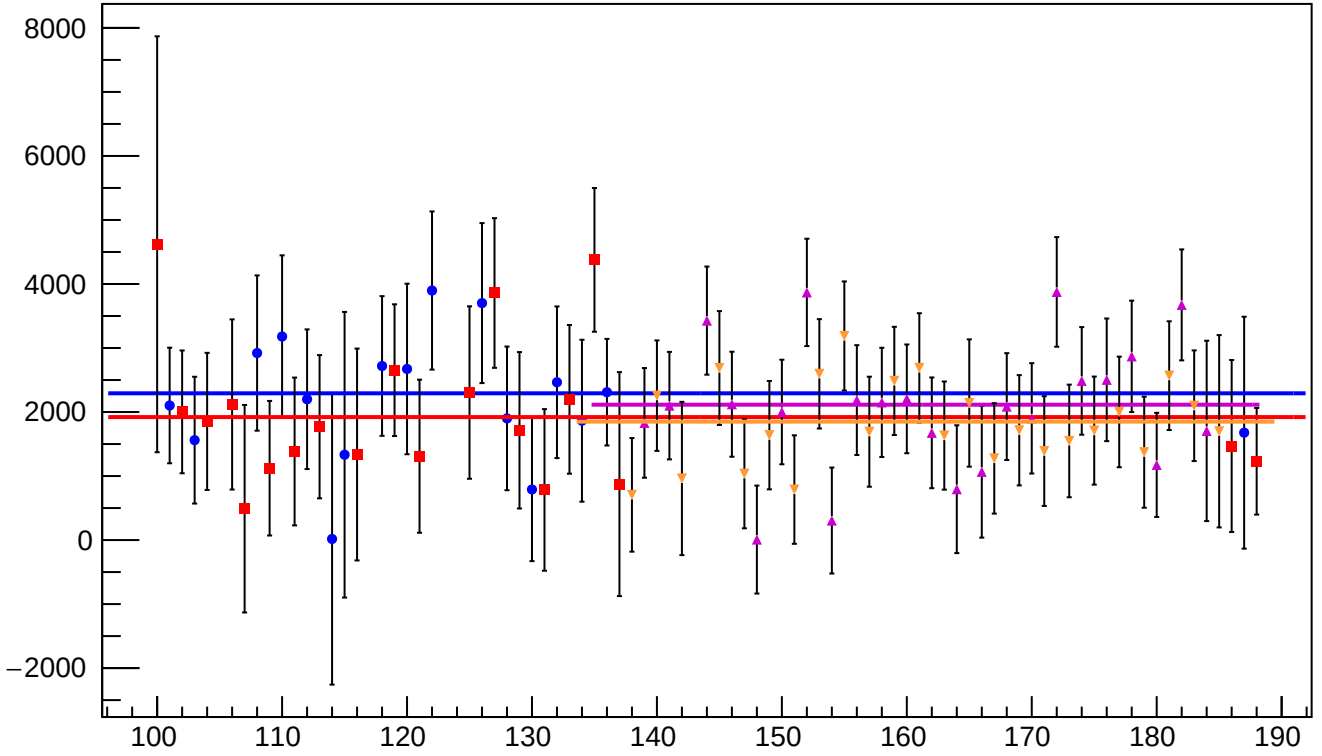
reg_asym_us_avg_mean vs Slug, Sign Corrected



Right In: 2292.339+/-286.769 χ^2/NDF: 7.9/16

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

Right Out: 1921.048+/-268.201 χ^2/NDF: 12.9/19

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

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

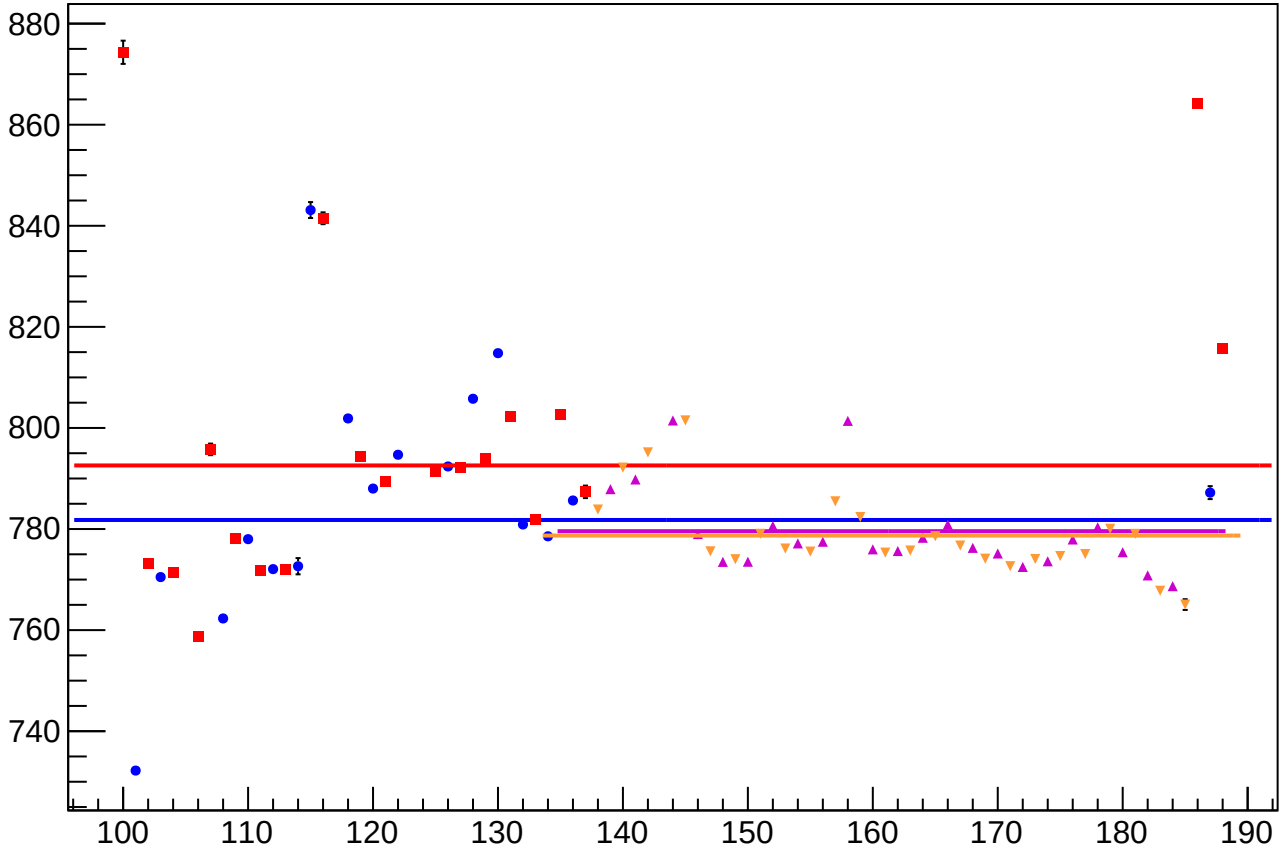
Right: 2094.285+/-195.882 χ^2/NDF: 21.7/36

In: 2165.534+/-153.682 χ^2/NDF:39.3/39

Out: 1871.908+/-149.882 χ^2/NDF:25.8/43

All: 2015.046+/-107.301 χ^2/NDF: 66.9/83

reg_asym_us_avg_rms vs Slug, Sign Corrected



Right In: 781.793+/-0.203 χ^2/NDF: 12337.3/16

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

Right Out: 792.582+/-0.190 χ^2/NDF: 15339.7/19

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

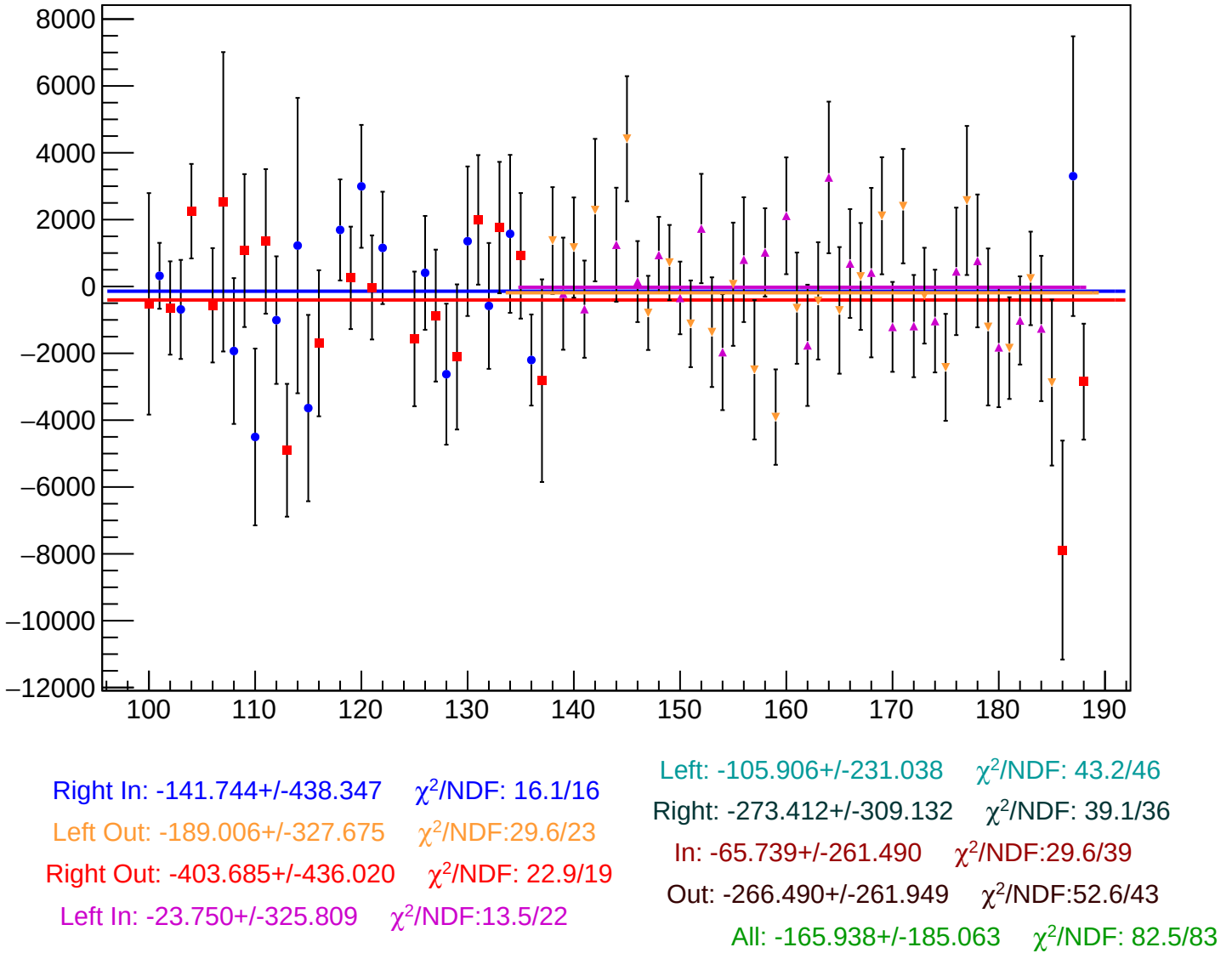
Left: 779.138+/-0.091 χ^2/NDF: 7585.5/46

Right: 787.548+/-0.139 χ^2/NDF: 29187.0/36

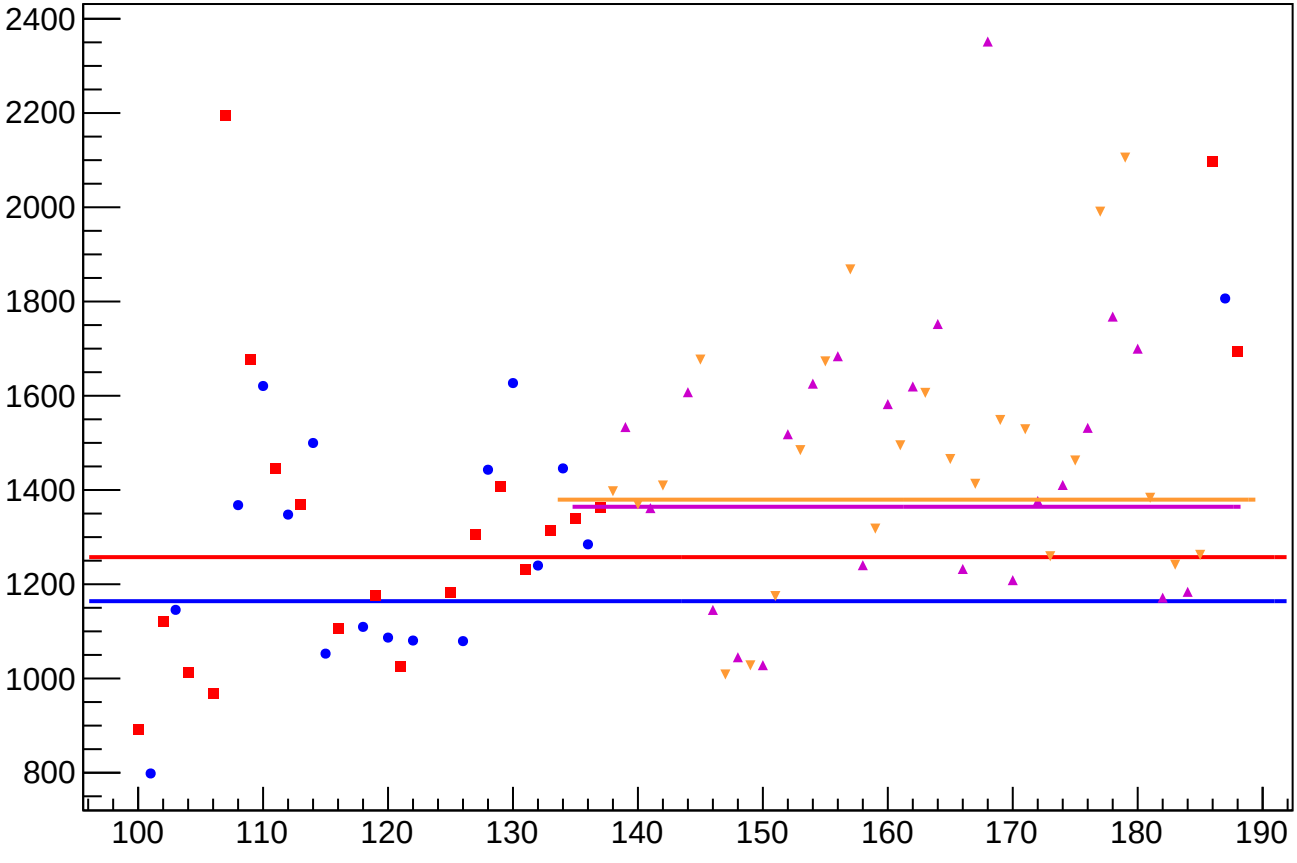
In: 780.212+/-0.109 χ^2/NDF:16595.6/39

Out: 783.041+/-0.106 χ^2/NDF:22409.6/43

All: 781.662+/-0.076 χ^2/NDF: 39352.6/83


asym_us_avg_reg_correction_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
100
110
120
130
140
150
160
170
180
190
Right In: -141.744+/-438.347 χ²/NDF: 16.1/16
Left Out: -189.006+/-327.675 χ²/NDF:29.6/23
Right Out: -403.685+/-436.020 χ²/NDF: 22.9/19
Left In: -23.750+/-325.809 χ²/NDF:13.5/22
Left: -105.906+/-231.038 χ²/NDF: 43.2/46
Right: -273.412+/-309.132 χ²/NDF: 39.1/36
In: -65.739+/-261.490 χ²/NDF:29.6/39
Out: -266.490+/-261.949 χ²/NDF:52.6/43
All: -165.938+/-185.063 χ²/NDF: 82.5/83

asym_us_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 1164.073+/-0.310 χ^2/NDF: 616762.4/16

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

Right Out: 1257.531+/-0.308 χ^2/NDF: 677141.8/19

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

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

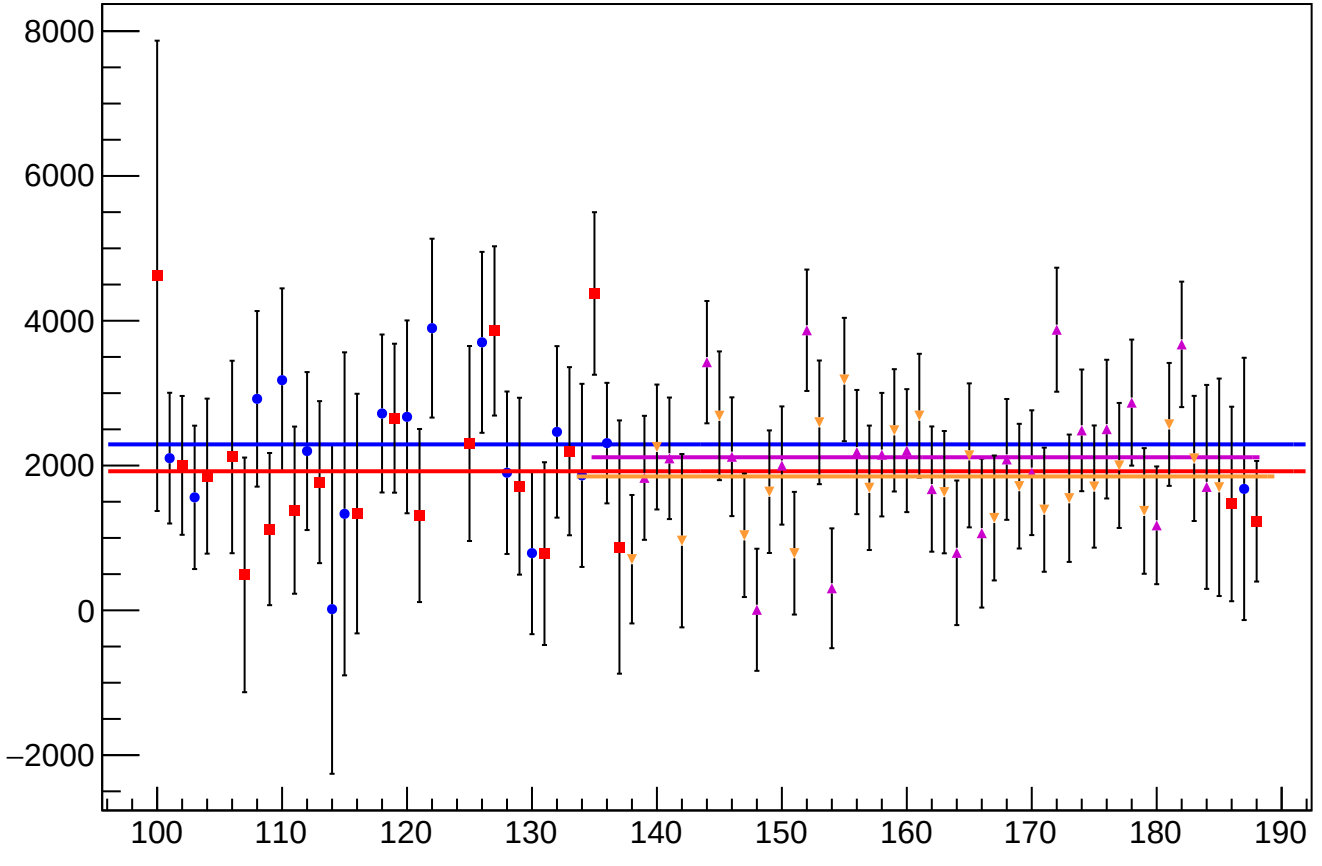
Right: 1211.051+/-0.219 χ^2/NDF: 1339601.9/36

In: 1293.120+/-0.185 χ^2/NDF:2198156.9/39

Out: 1335.501+/-0.185 χ^2/NDF:1935685.0/43

All: 1314.273+/-0.131 χ^2/NDF: 4160063.2/83

cor_asym_us_avg_mean vs Slug, Sign Corrected



Right In: 2292.339+/-286.769 χ^2/NDF: 7.9/16

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

Right Out: 1921.048+/-268.201 χ^2/NDF: 12.9/19

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

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

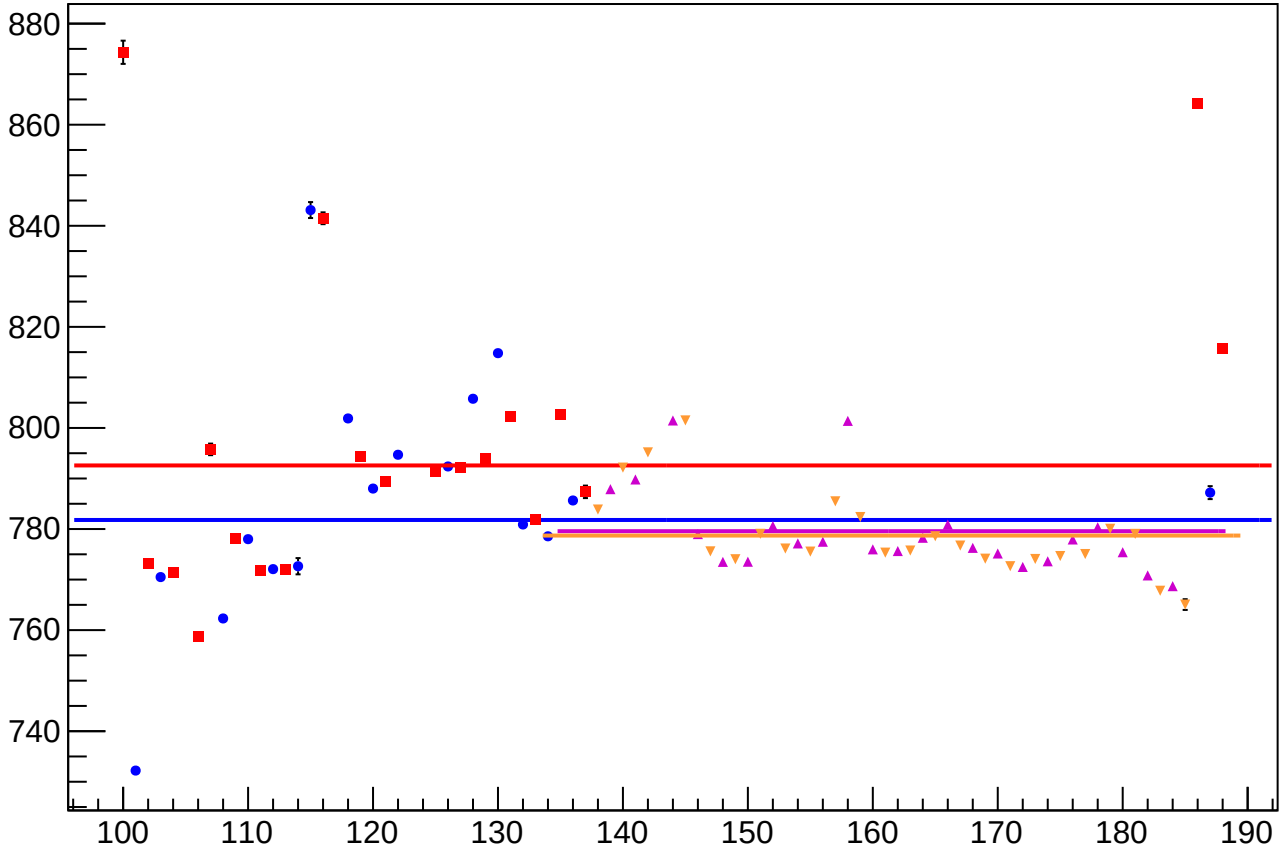
Right: 2094.285+/-195.882 χ^2/NDF: 21.7/36

In: 2165.534+/-153.682 χ^2/NDF:39.3/39

Out: 1871.908+/-149.882 χ^2/NDF:25.8/43

All: 2015.046+/-107.301 χ^2/NDF: 66.9/83

cor_asym_us_avg_rms vs Slug, Sign Corrected



Right In: 781.793+/-0.203 χ^2/NDF: 12337.3/16

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

Right Out: 792.582+/-0.190 χ^2/NDF: 15339.7/19

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

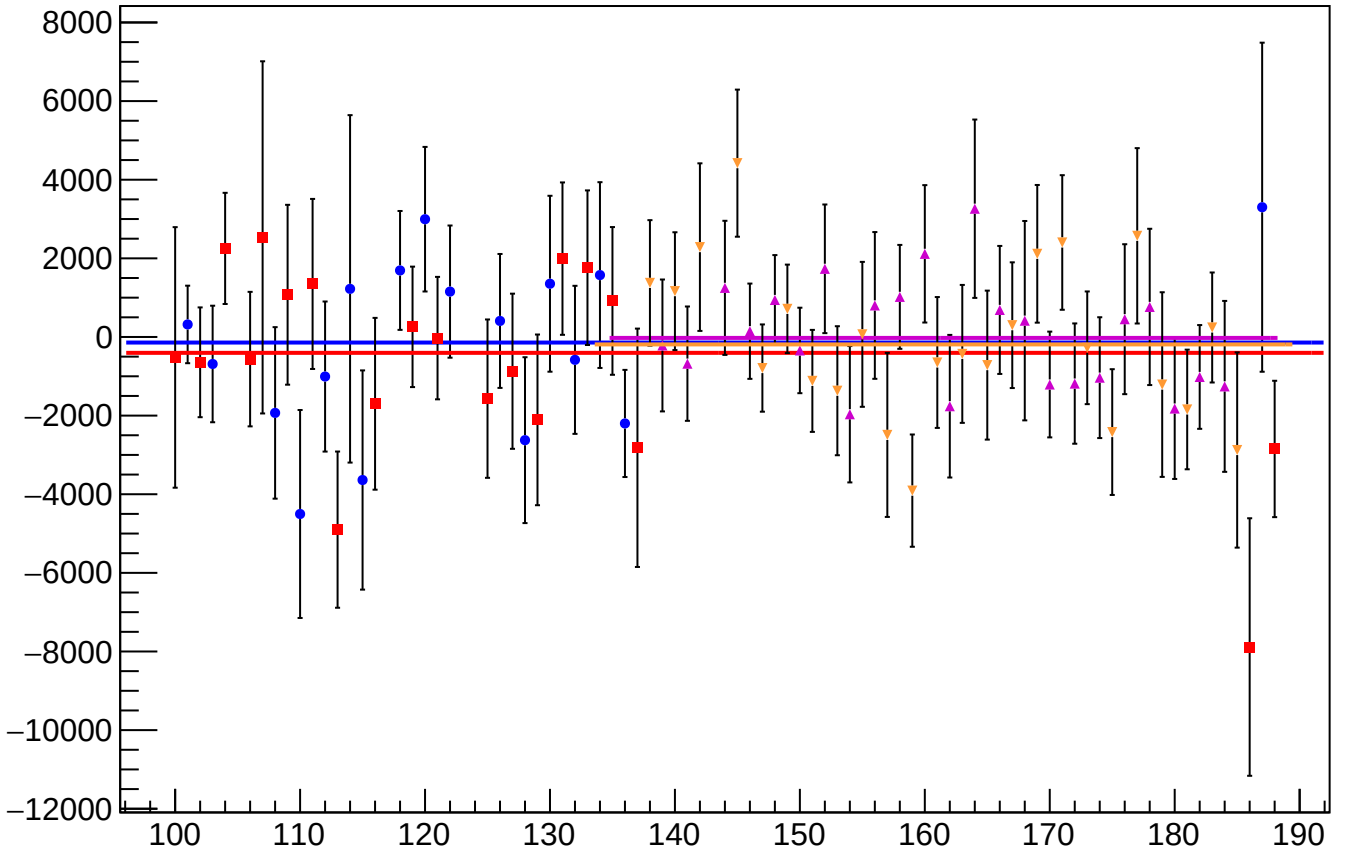
Left: 779.138+/-0.091 χ^2/NDF: 7585.5/46

Right: 787.548+/-0.139 χ^2/NDF: 29187.0/36

In: 780.212+/-0.109 χ^2/NDF:16595.6/39

Out: 783.041+/-0.106 χ^2/NDF:22409.6/43

All: 781.662+/-0.076 χ^2/NDF: 39352.6/83



Right In: -141.744+/-438.347 χ^2/NDF: 16.1/16

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

Right Out: -403.685+/-436.020 χ^2/NDF: 22.9/19

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

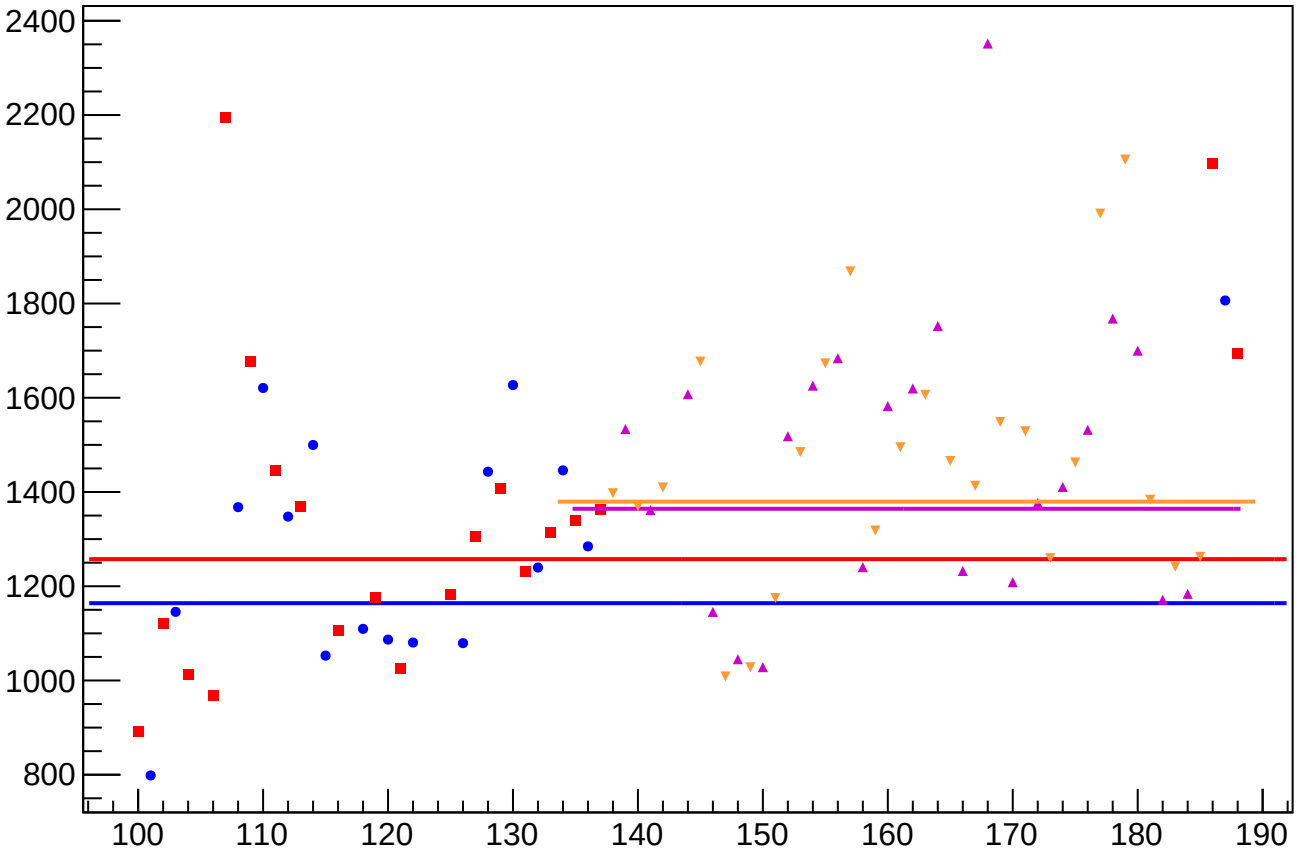
Left: -105.906+/-231.038 χ^2/NDF: 43.2/46

Right: -273.412+/-309.132 χ^2/NDF: 39.1/36

In: -65.739+/-261.490 χ^2/NDF:29.6/39

Out: -266.490+/-261.949 χ^2/NDF:52.6/43

All: -165.938+/-185.063 χ^2/NDF: 82.5/83



Right In: 1164.073+/-0.310 χ^2/NDF: 616762.4/16

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

Right Out: 1257.531+/-0.308 χ^2/NDF: 677141.8/19

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

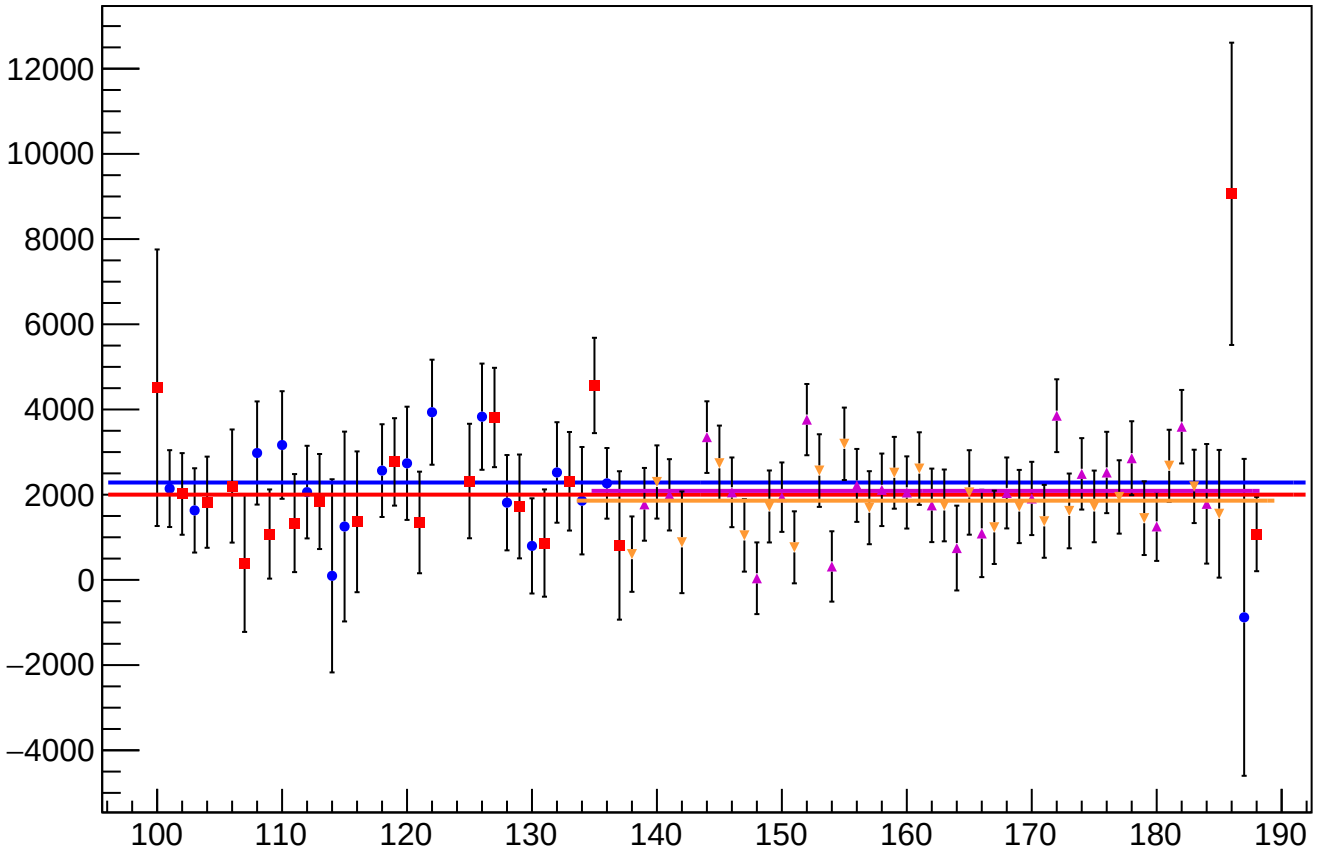
Left: 1371.931+/-0.163 χ^2/NDF: 2472910.6/46

Right: 1211.051+/-0.219 χ^2/NDF: 1339601.9/36

In: 1293.120+/-0.185 χ^2/NDF:2198156.9/39

Out: 1335.501+/-0.185 χ^2/NDF:1935685.0/43

All: 1314.273+/-0.131 χ^2/NDF: 4160063.2/83



Right In: 2285.655+/-288.829 χ^2/NDF: 8.8/16

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

Right Out: 2001.009+/-273.599 χ^2/NDF: 18.0/19

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

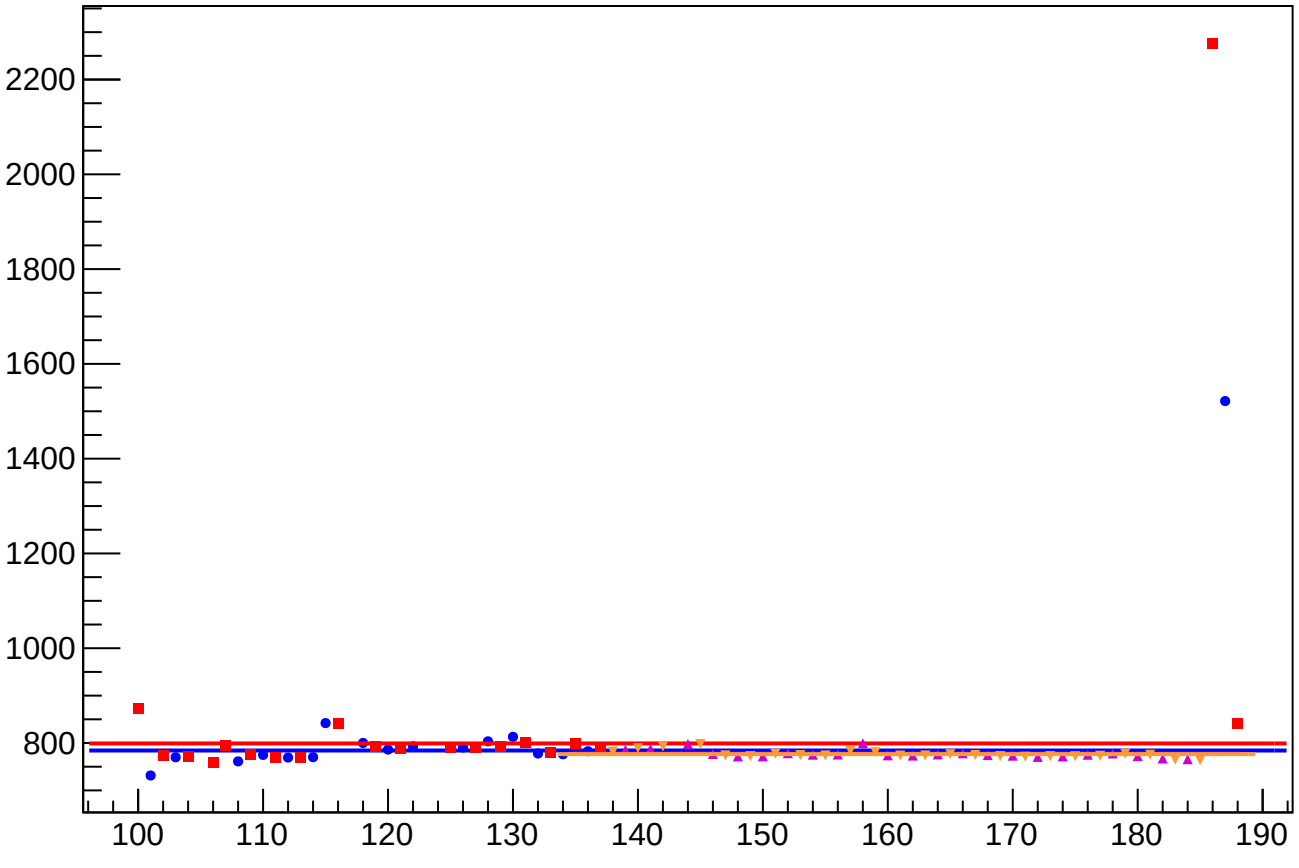
Left: 1973.689+/-127.897 χ^2/NDF: 43.9/46

Right: 2135.630+/-198.630 χ^2/NDF: 27.3/36

In: 2145.035+/-153.690 χ^2/NDF:38.8/39

Out: 1902.343+/-150.509 χ^2/NDF:31.7/43

All: 2021.152+/-107.533 χ^2/NDF: 71.7/83


overload_cor_asym_us_avg_rms vs Slug, Sign Corrected
2200
2000
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1400
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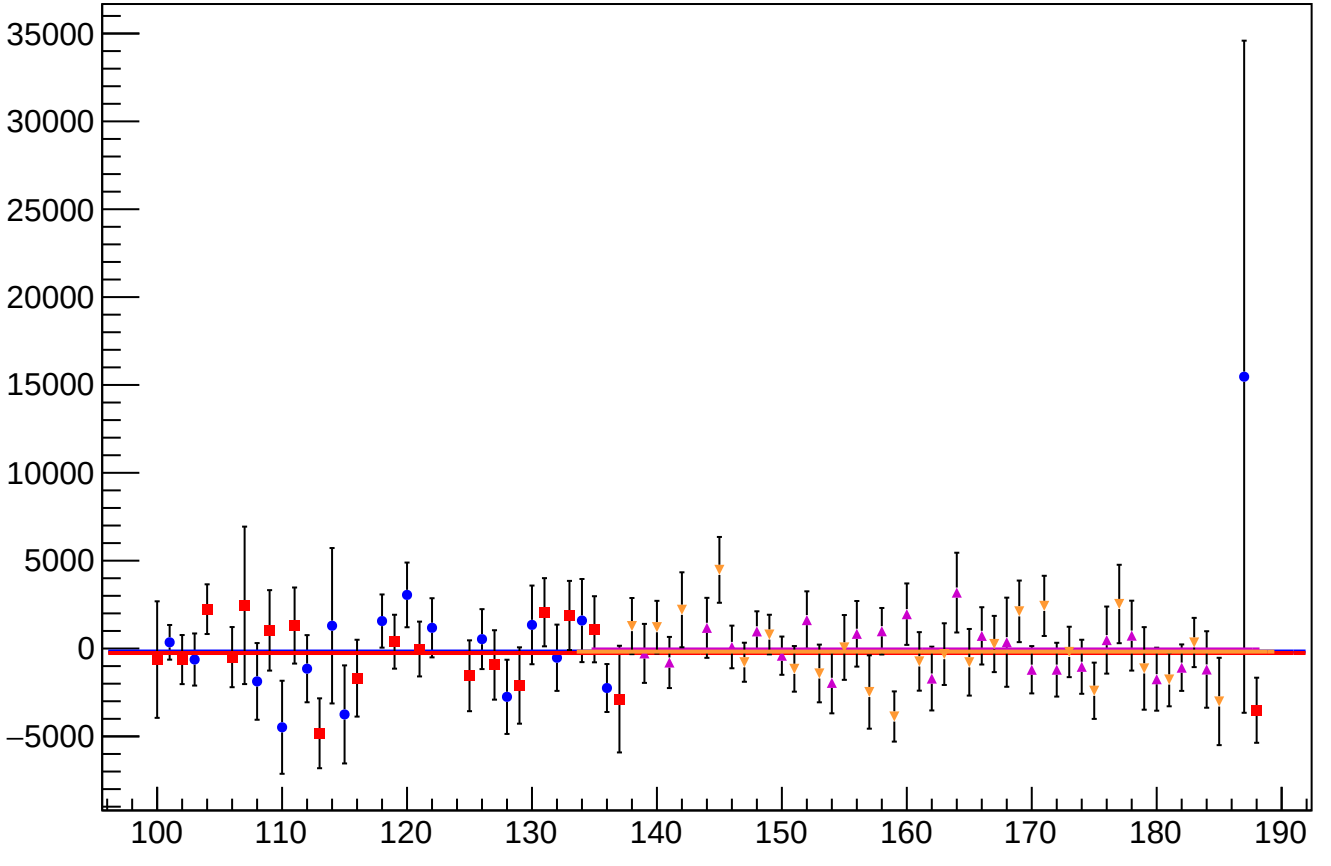
150
160
170
180
190
Right In: 784.175+/-0.204 χ²/NDF: 91131.6/16
Left Out: 776.523+/-0.127 χ²/NDF:3137.1/23
Right Out: 799.056+/-0.193 χ²/NDF: 363311.5/19
Left In: 777.413+/-0.128 χ²/NDF:4062.1/22
Left: 776.965+/-0.090 χ²/NDF: 7223.5/46
Right: 792.018+/-0.140 χ²/NDF: 457241.2/36
In: 779.327+/-0.109 χ²/NDF:95979.6/39
Out: 783.342+/-0.106 χ²/NDF:375909.0/43
All: 781.377+/-0.076 χ²/NDF: 472585.1/83

asym_us_avg_overload_cor_correction_mean vs Slug, Sign Corrected



Right In: -170.133+/-441.100 χ^2/NDF: 16.4/16

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

Right Out: -254.747+/-442.063 χ^2/NDF: 18.5/18

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

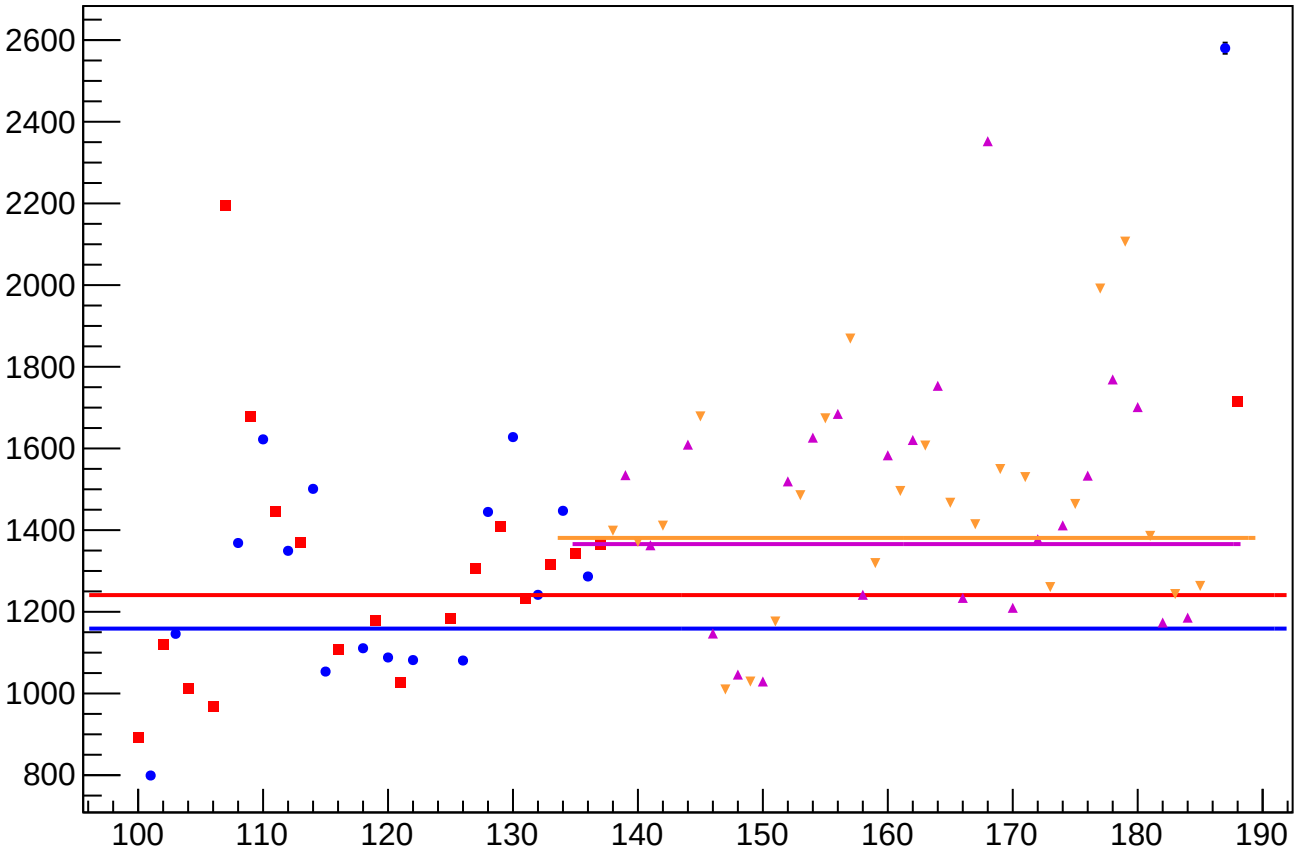
Left: -113.528+/-231.262 χ^2/NDF: 42.7/46

Right: -212.348+/-312.245 χ^2/NDF: 34.9/35

In: -94.282+/-262.235 χ^2/NDF:29.4/39

Out: -203.270+/-263.406 χ^2/NDF:48.2/42

All: -148.533+/-185.841 χ^2/NDF: 77.6/82



Right In: 1158.890+/-0.312 χ^2/NDF: 580195.8/16

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

Right Out: 1240.934+/-0.313 χ^2/NDF: 536428.0/18

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

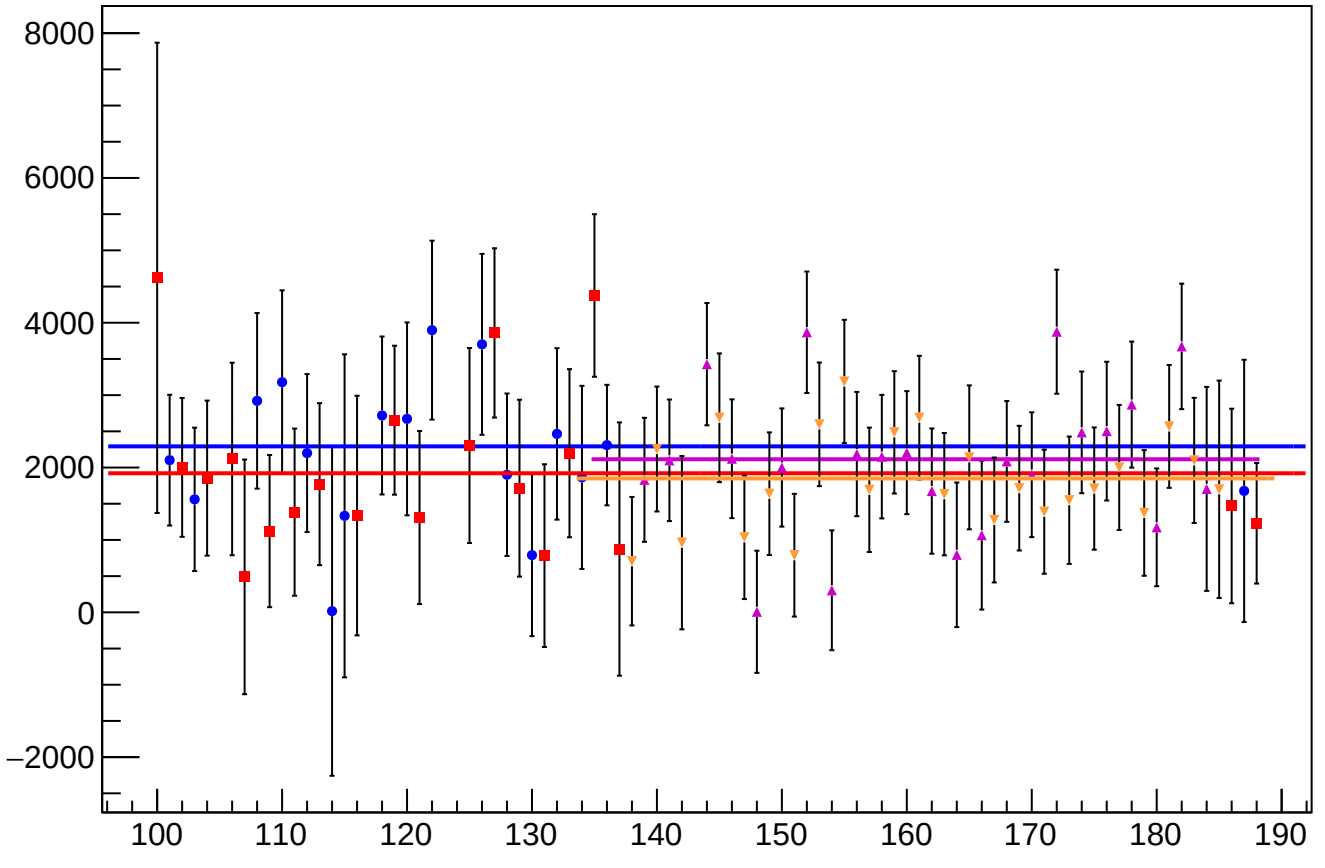
Left: 1373.338+/-0.164 χ^2/NDF: 2466443.3/46

Right: 1199.822+/-0.221 χ^2/NDF: 1151143.3/35

In: 1292.679+/-0.185 χ^2/NDF:2173621.9/39

Out: 1331.239+/-0.186 χ^2/NDF:1821273.8/42

All: 1311.873+/-0.131 χ^2/NDF: 4016421.9/82



Right In: 2292.339+/-286.769 χ^2/NDF: 7.9/16

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

Right Out: 1921.048+/-268.201 χ^2/NDF: 12.9/19

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

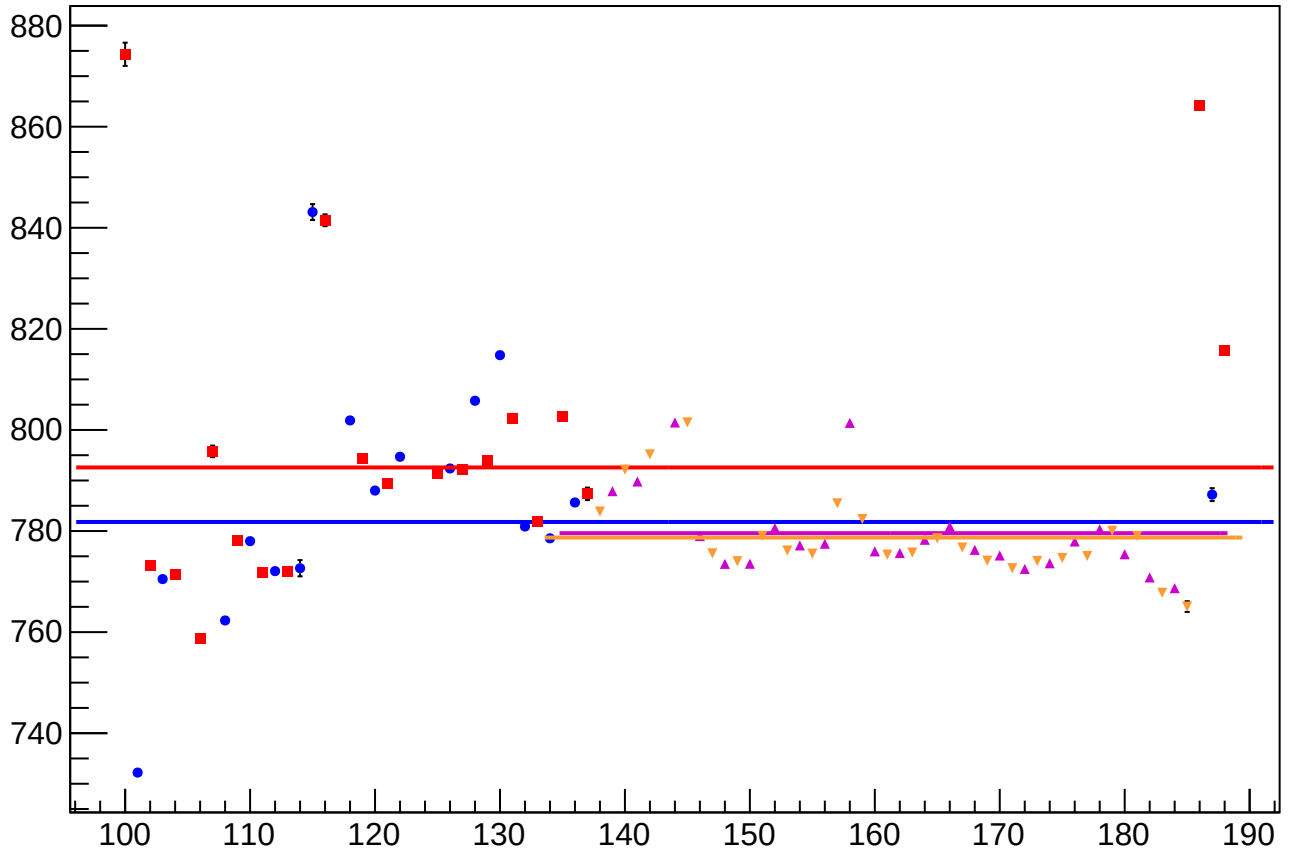
Left: 1981.076+/-128.255 χ^2/NDF: 45.0/46

Right: 2094.285+/-195.882 χ^2/NDF: 21.7/36

In: 2165.534+/-153.682 χ^2/NDF:39.3/39

Out: 1871.908+/-149.882 χ^2/NDF:25.8/43

All: 2015.046+/-107.301 χ^2/NDF: 66.9/83



Right In: 781.793+/-0.203 χ^2/NDF: 12337.3/16

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

Right Out: 792.582+/-0.190 χ^2/NDF: 15339.7/19

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

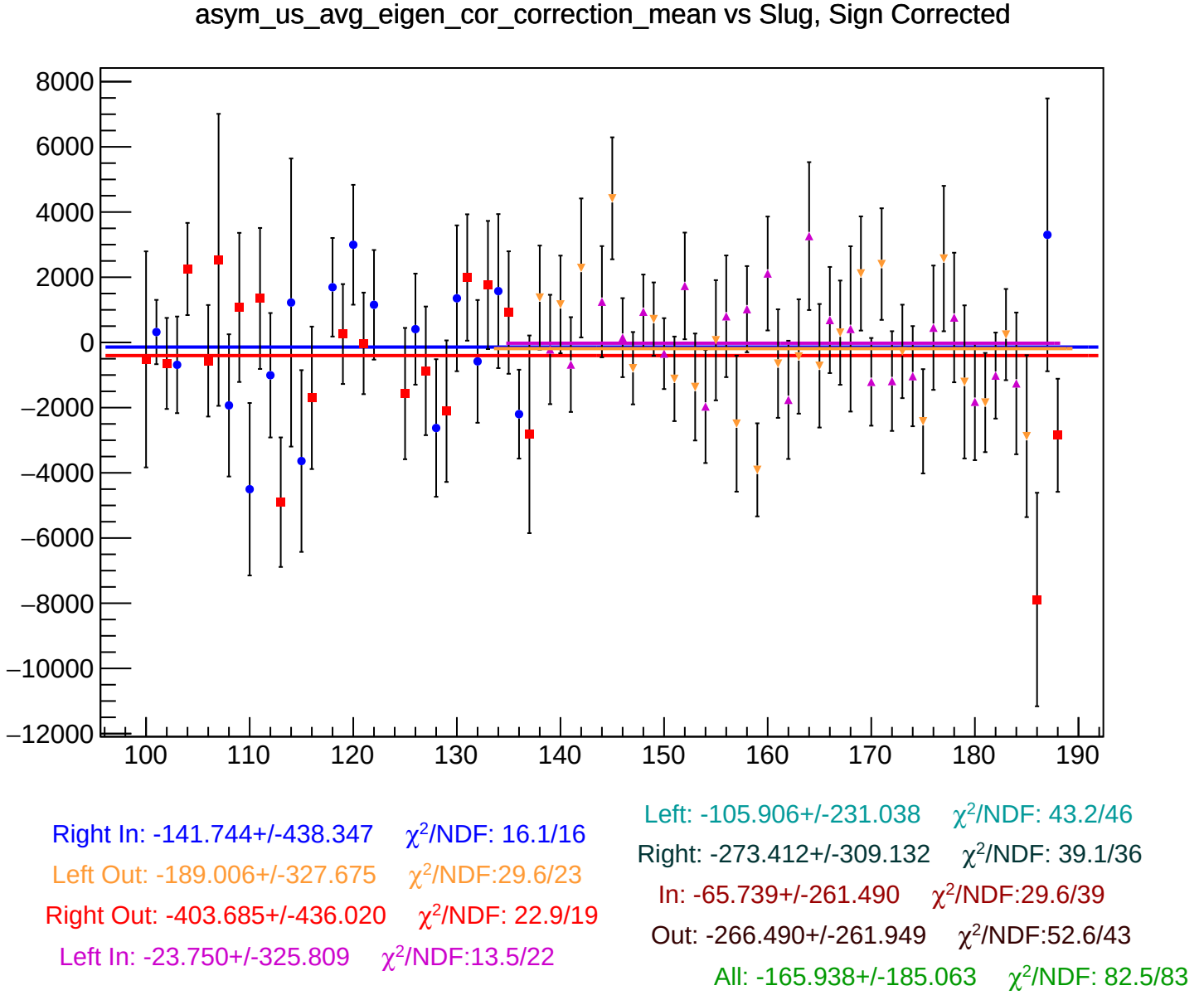
Left: 779.138+/-0.091 χ^2/NDF: 7585.5/46

Right: 787.548+/-0.139 χ^2/NDF: 29187.0/36

In: 780.212+/-0.109 χ^2/NDF:16595.6/39

Out: 783.041+/-0.106 χ^2/NDF:22409.6/43

All: 781.662+/-0.076 χ^2/NDF: 39352.6/83


asym_us_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
8000
6000
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−2000
−4000
−6000
−8000
−10000
−12000
100
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120
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170
180
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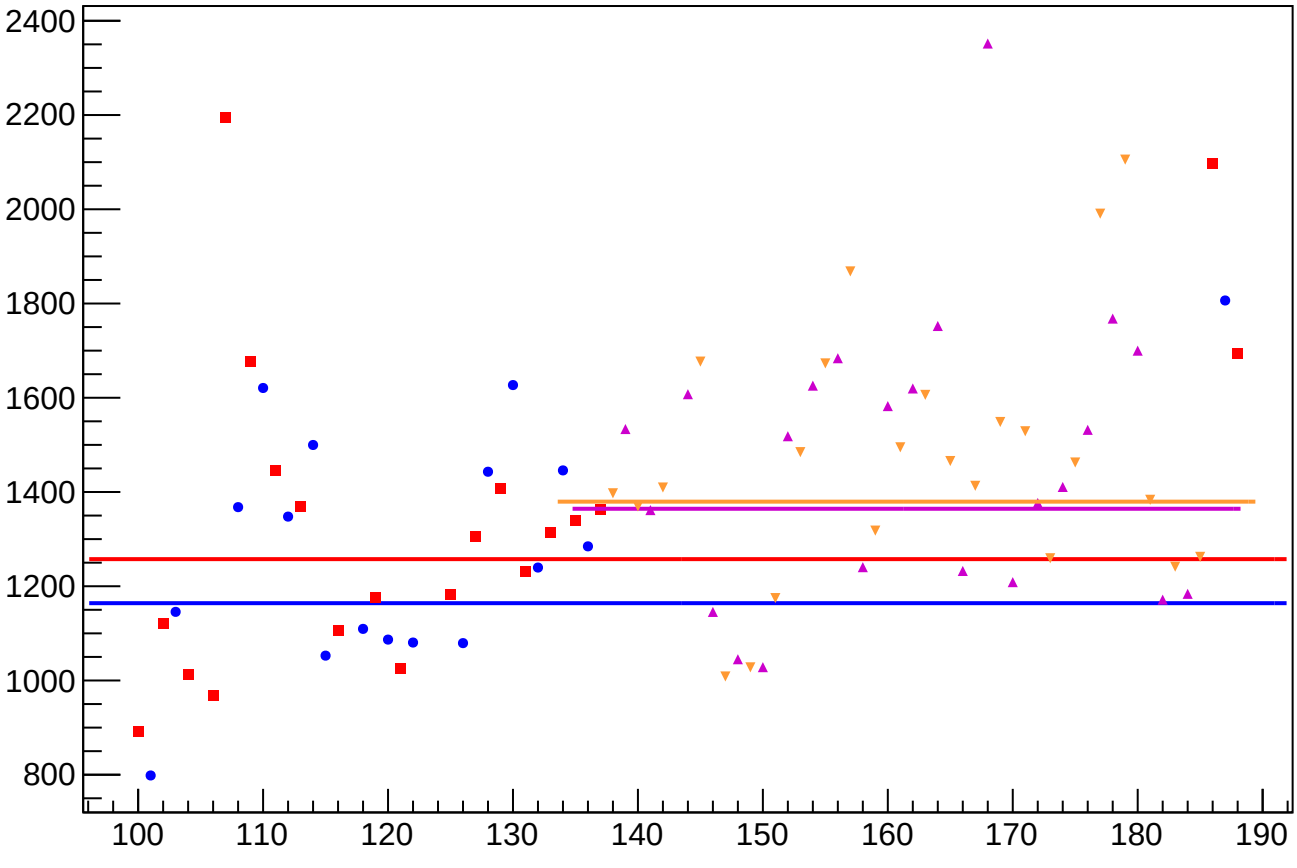
Right In: -141.744+/-438.347 χ²/NDF: 16.1/16
Left Out: -189.006+/-327.675 χ²/NDF:29.6/23
Right Out: -403.685+/-436.020 χ²/NDF: 22.9/19
Left In: -23.750+/-325.809 χ²/NDF:13.5/22
Left: -105.906+/-231.038 χ²/NDF: 43.2/46
Right: -273.412+/-309.132 χ²/NDF: 39.1/36
In: -65.739+/-261.490 χ²/NDF:29.6/39
Out: -266.490+/-261.949 χ²/NDF:52.6/43
All: -165.938+/-185.063 χ²/NDF: 82.5/83



Right In: 1164.073+/-0.310 χ^2/NDF: 616762.4/16

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

Right Out: 1257.531+/-0.308 χ^2/NDF: 677141.8/19

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

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

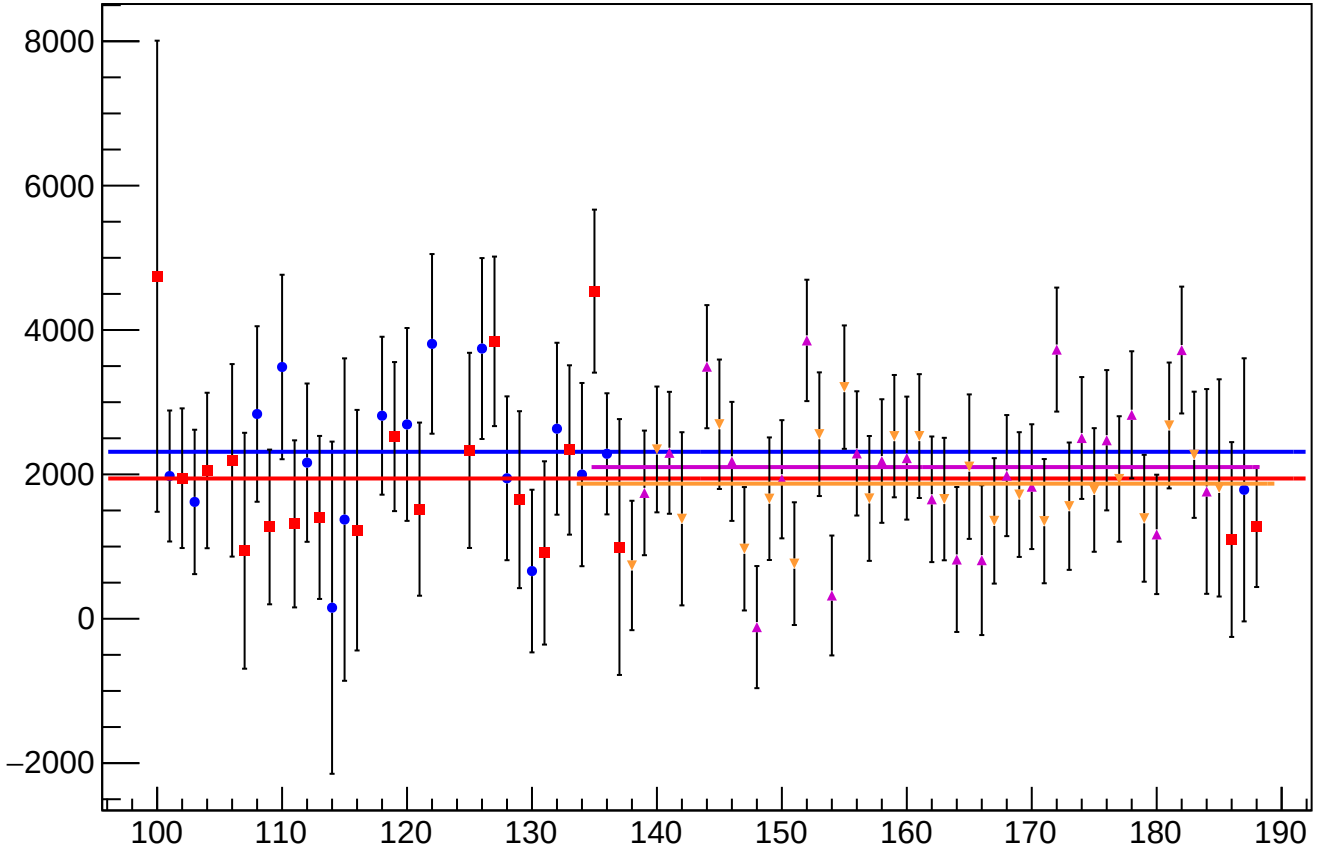
Right: 1211.051+/-0.219 χ^2/NDF: 1339601.9/36

In: 1293.120+/-0.185 χ^2/NDF:2198156.9/39

Out: 1335.501+/-0.185 χ^2/NDF:1935685.0/43

All: 1314.273+/-0.131 χ^2/NDF: 4160063.2/83

dit_asym_us_avg_mean vs Slug, Sign Corrected



Right In: 2312.885+/-288.492 χ^2/NDF: 8.2/16

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

Right Out: 1943.055+/-269.915 χ^2/NDF: 12.8/19

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

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

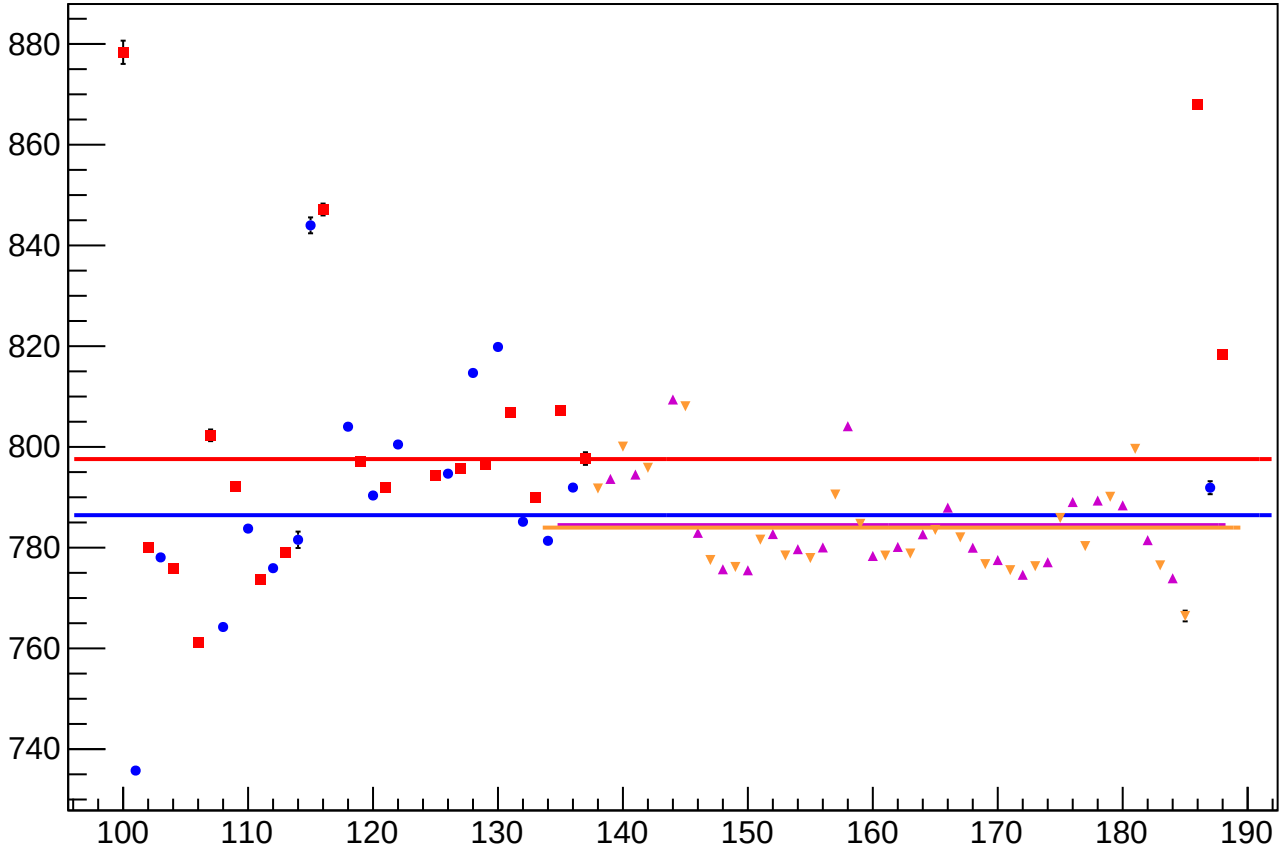
Right: 2115.681+/-197.099 χ^2/NDF: 21.9/36

In: 2161.914+/-154.640 χ^2/NDF:40.4/39

Out: 1893.832+/-150.887 χ^2/NDF:25.4/43

All: 2024.580+/-107.996 χ^2/NDF: 67.3/83

dit_asym_us_avg_rms vs Slug, Sign Corrected



Right In: 786.450+/-0.204 χ^2/NDF: 12589.5/16

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

Right Out: 797.586+/-0.191 χ^2/NDF: 14506.9/19

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

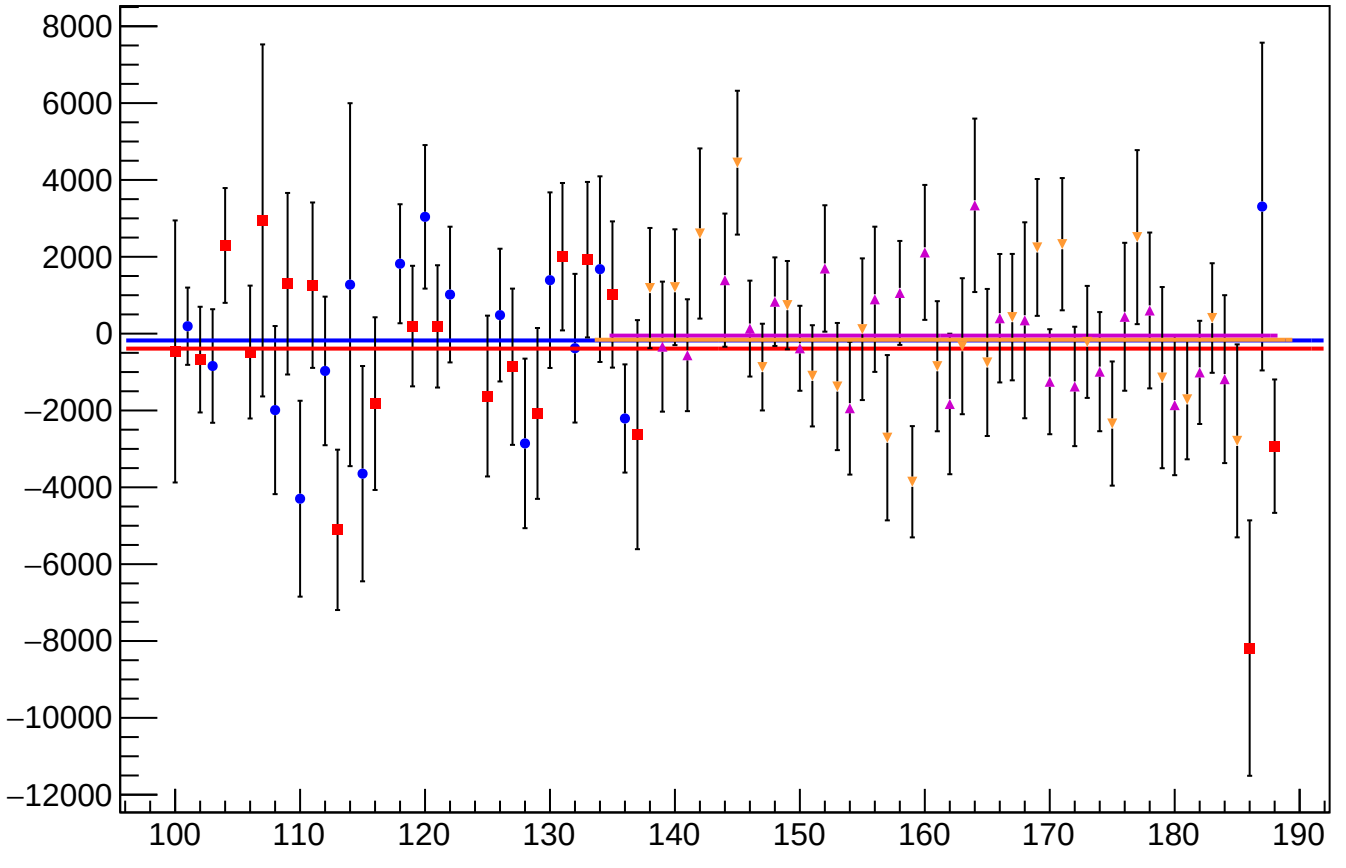
Left: 784.225+/-0.091 χ^2/NDF: 9863.0/46

Right: 792.388+/-0.139 χ^2/NDF: 28685.6/36

In: 785.041+/-0.109 χ^2/NDF:17584.1/39

Out: 788.233+/-0.107 χ^2/NDF:22928.2/43

All: 786.676+/-0.076 χ^2/NDF: 40949.0/83



Right In: -177.473+/-447.061 χ^2/NDF: 16.0/16

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

Right Out: -389.958+/-444.226 χ^2/NDF: 23.3/19

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

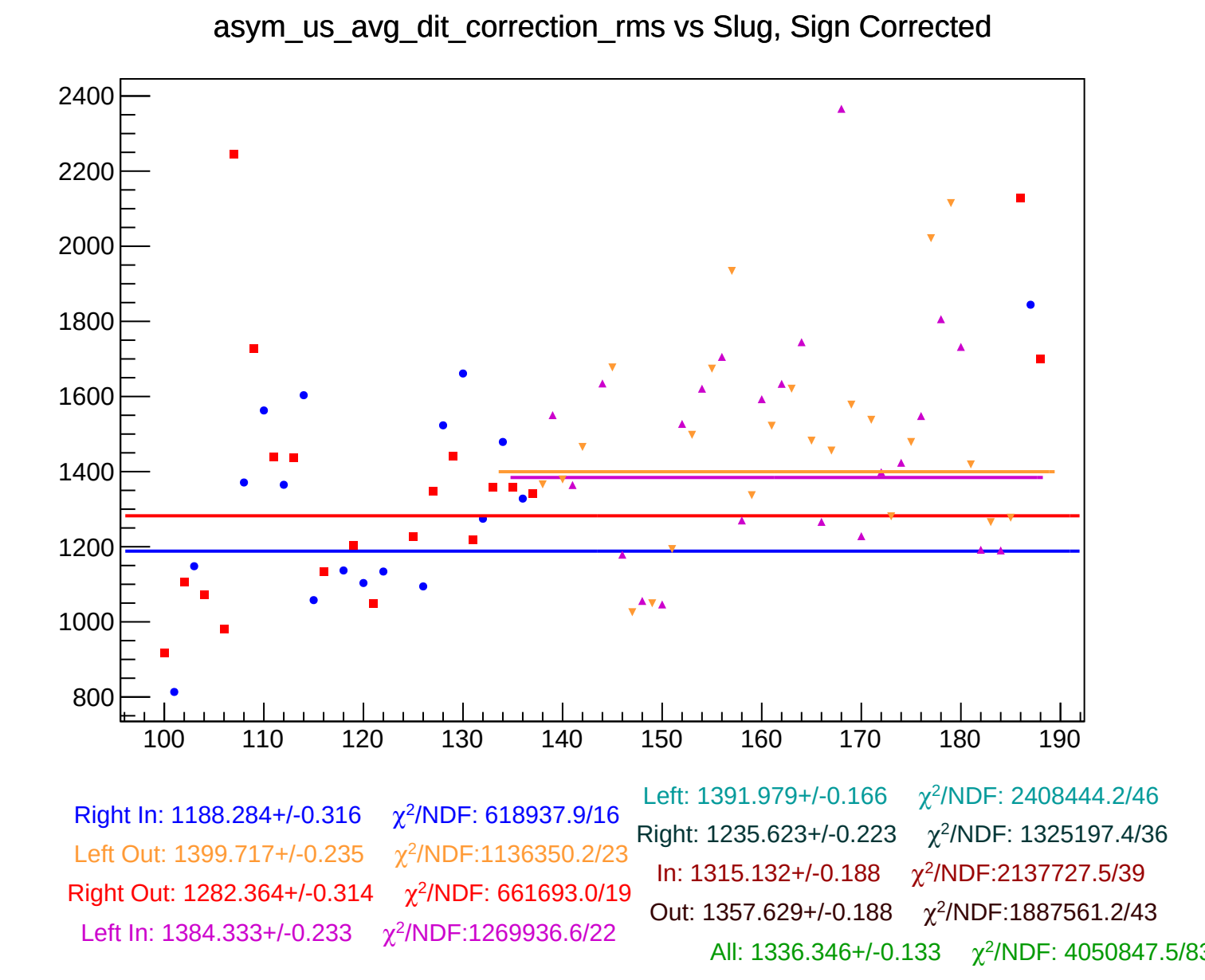
Left: -105.304+/-234.189 χ^2/NDF: 42.6/46

Right: -284.391+/-315.113 χ^2/NDF: 39.4/36

In: -96.274+/-265.609 χ^2/NDF:29.4/39

Out: -242.008+/-266.034 χ^2/NDF:52.6/43

All: -169.025+/-187.964 χ^2/NDF: 82.1/83


asym_us_avg_dit_correction_rms vs Slug, Sign Corrected
2400
2200
2000
1800
1600
1400
1200
1000
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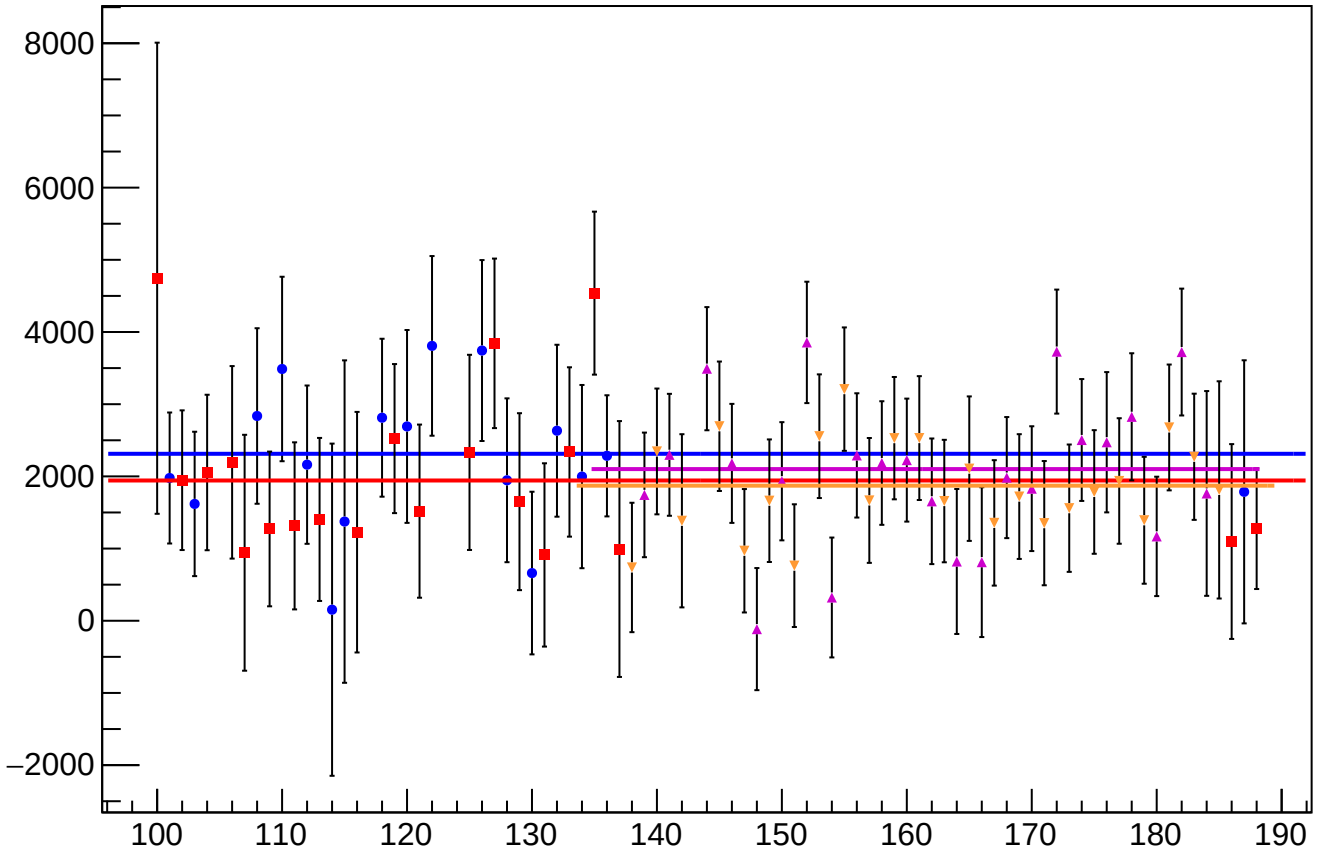
150
160
170
180
190
Right In: 1188.284+/-0.316 χ²/NDF: 618937.9/16
Left Out: 1399.717+/-0.235 χ²/NDF:1136350.2/23
Right Out: 1282.364+/-0.314 χ²/NDF: 661693.0/19
Left In: 1384.333+/-0.233 χ²/NDF:1269936.6/22
Left: 1391.979+/-0.166 χ²/NDF: 2408444.2/46
Right: 1235.623+/-0.223 χ²/NDF: 1325197.4/36
In: 1315.132+/-0.188 χ²/NDF:2137727.5/39
Out: 1357.629+/-0.188 χ²/NDF:1887561.2/43
All: 1336.346+/-0.133 χ²/NDF: 4050847.5/83



Right In: 2312.885+/-288.492 χ^2/NDF: 8.2/16

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

Right Out: 1943.053+/-269.915 χ^2/NDF: 12.8/19

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

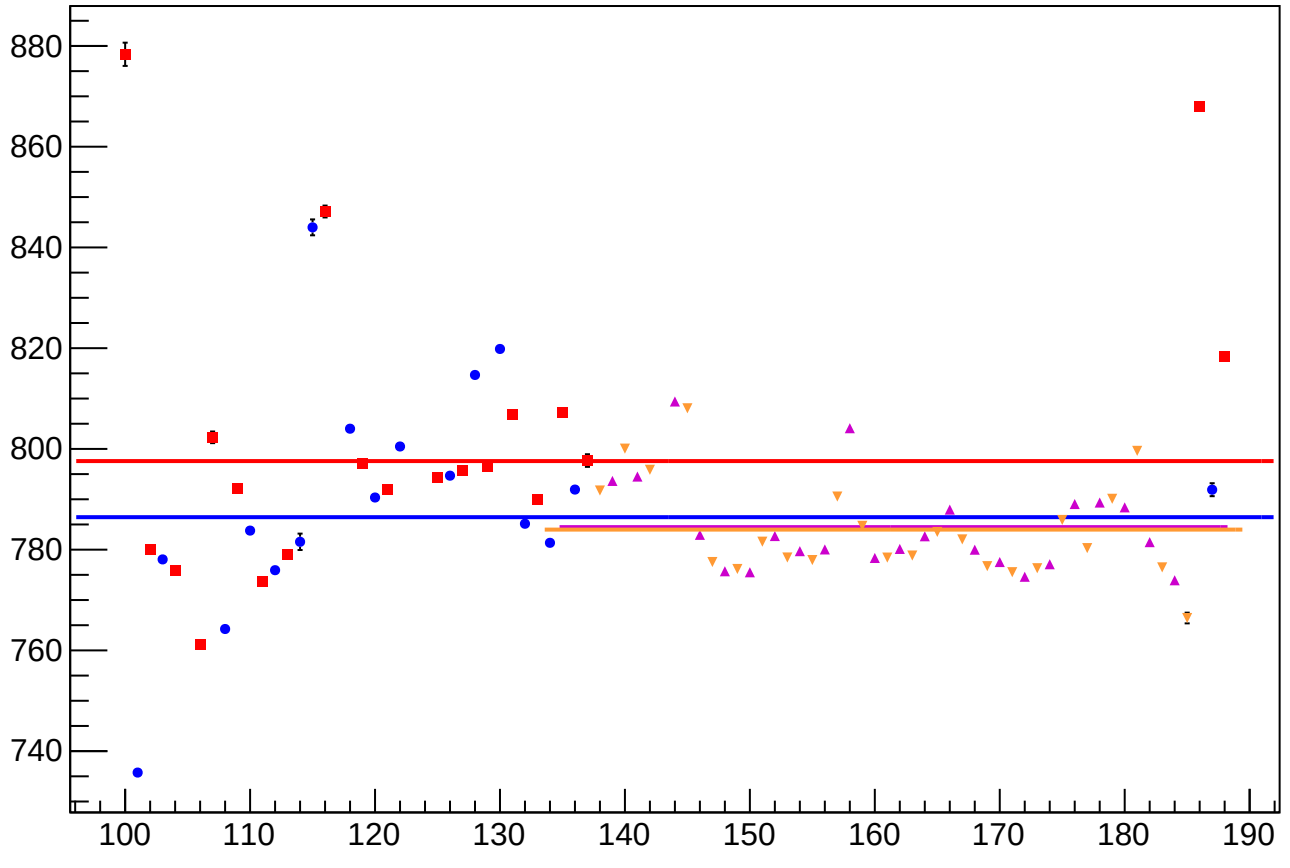
Left: 1985.495+/-129.100 χ^2/NDF: 45.0/46

Right: 2115.680+/-197.099 χ^2/NDF: 21.9/36

In: 2161.914+/-154.640 χ^2/NDF:40.4/39

Out: 1893.829+/-150.887 χ^2/NDF:25.4/43

All: 2024.579+/-107.996 χ^2/NDF: 67.3/83



Right In: 786.450+/-0.204 χ^2/NDF: 12589.4/16

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

Right Out: 797.586+/-0.191 χ^2/NDF: 14506.9/19

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

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

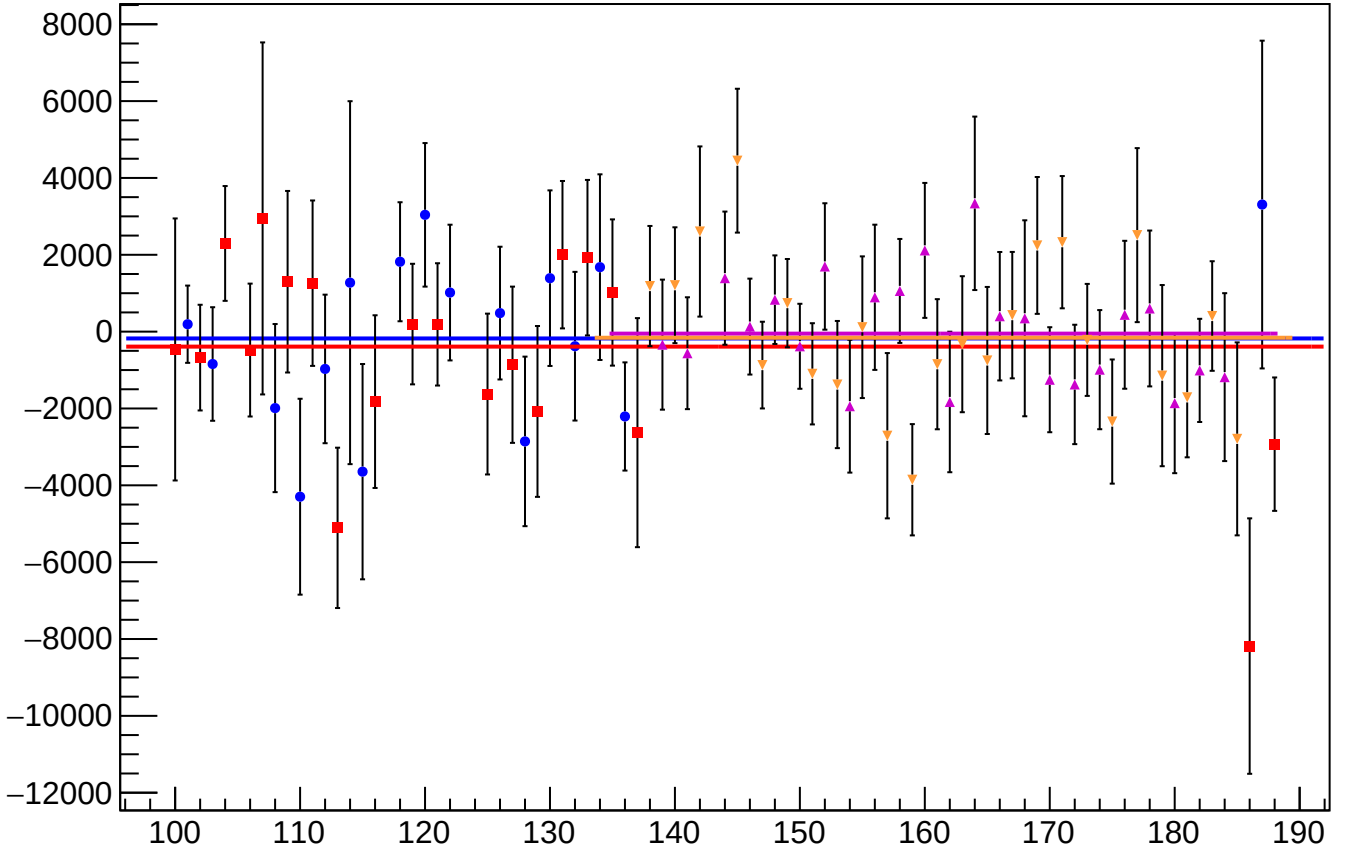
Right: 792.388+/-0.139 χ^2/NDF: 28685.6/36

In: 785.041+/-0.109 χ^2/NDF:17584.1/39

Out: 788.233+/-0.107 χ^2/NDF:22928.2/43

All: 786.676+/-0.076 χ^2/NDF: 40948.9/83

asym_us_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -177.473+/-447.060 χ^2/NDF: 16.0/16

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

Right Out: -389.956+/-444.225 χ^2/NDF: 23.3/19

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

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

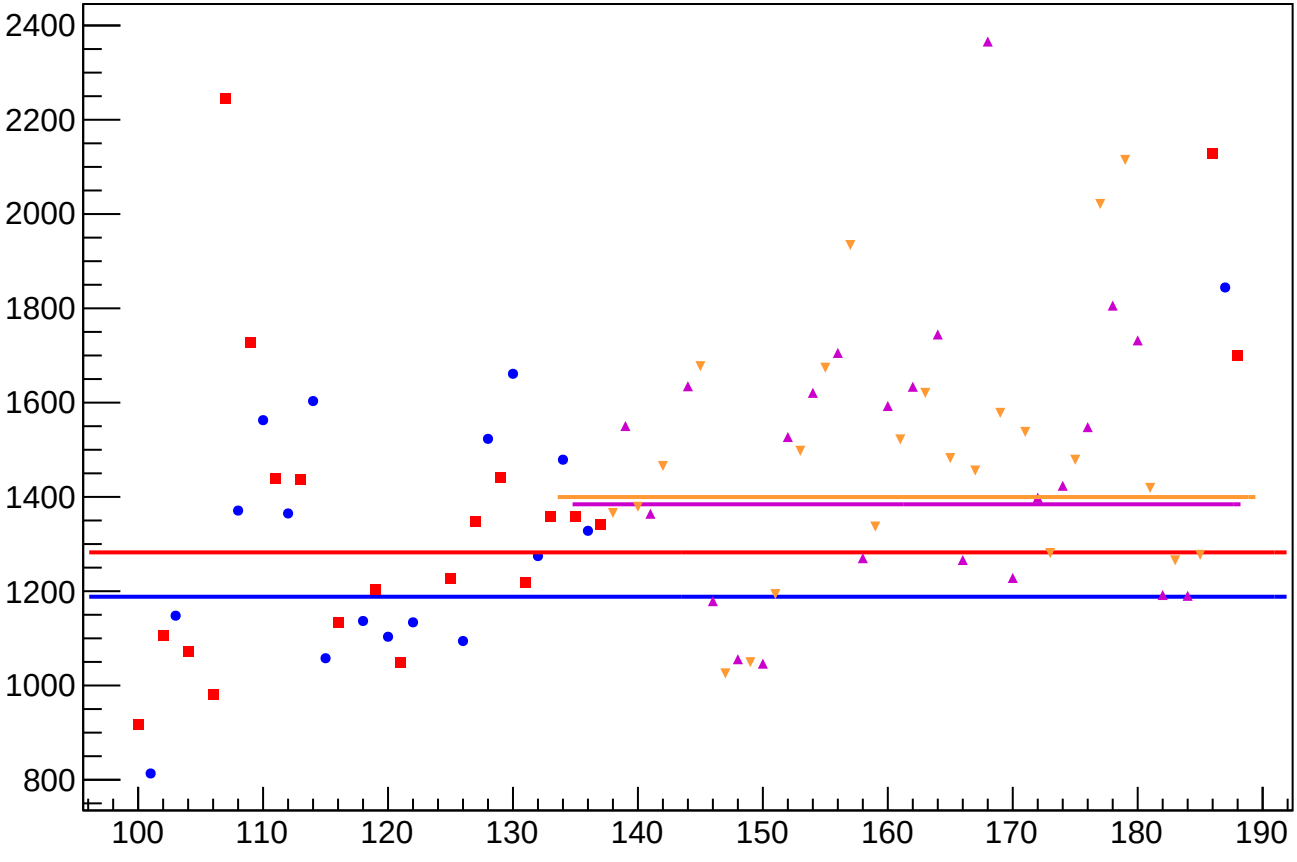
Right: -284.390+/-315.112 χ^2/NDF: 39.4/36

In: -96.274+/-265.609 χ^2/NDF:29.4/39

Out: -242.010+/-266.034 χ^2/NDF:52.6/43

All: -169.025+/-187.964 χ^2/NDF: 82.1/83

asym_us_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1188.281+/-0.316 χ^2/NDF: 618936.4/16

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

Right Out: 1282.360+/-0.314 χ^2/NDF: 661695.7/19

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

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

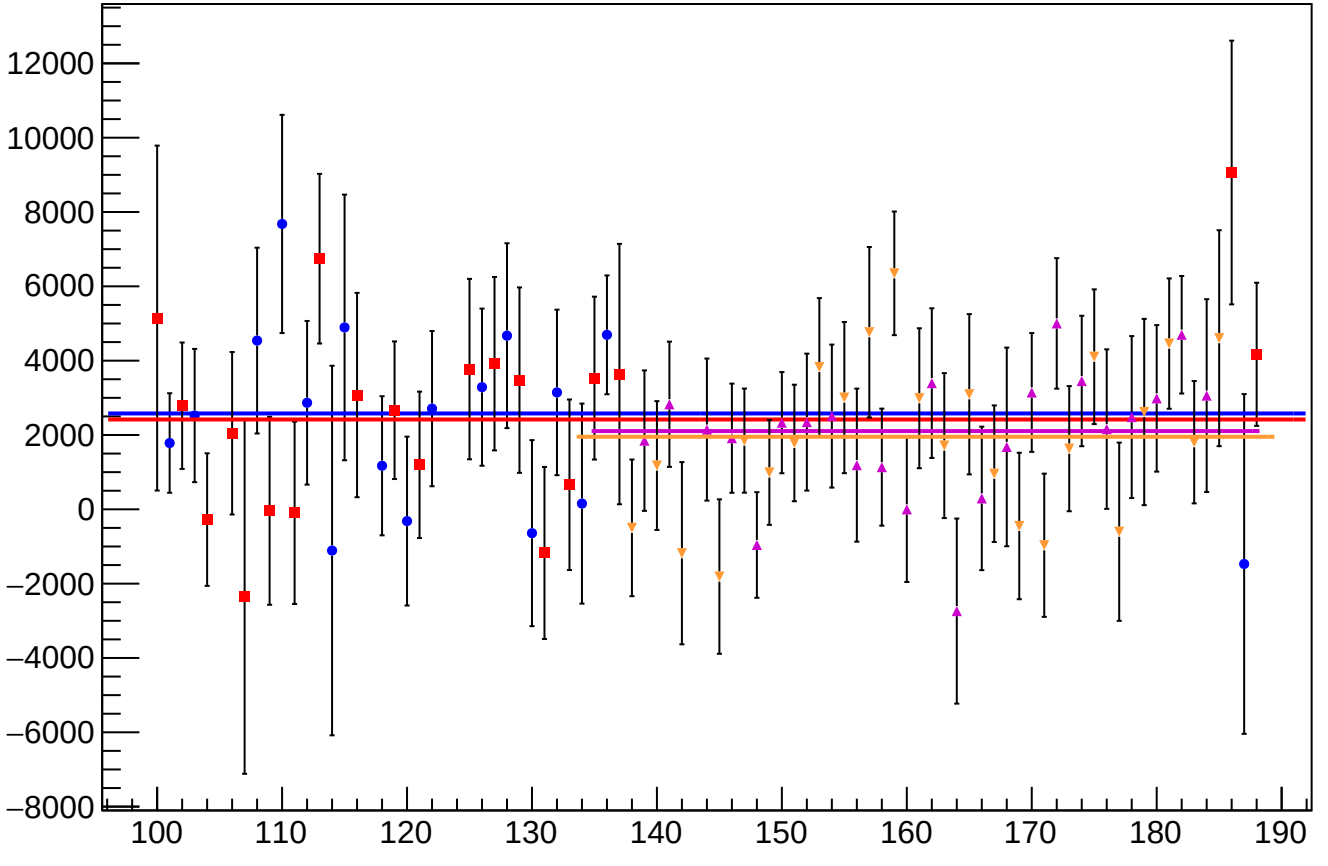
Right: 1235.620+/-0.223 χ^2/NDF: 1325198.4/36

In: 1315.132+/-0.188 χ^2/NDF:2137741.0/39

Out: 1357.629+/-0.188 χ^2/NDF:1887574.2/43

All: 1336.347+/-0.133 χ^2/NDF: 4050874.0/83

asym_us_avg_mean vs Slug, Sign Corrected



Right In: 2579.295+/-534.346 χ^2/NDF: 13.1/16

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

Right Out: 2417.163+/-520.908 χ^2/NDF: 18.4/19

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

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

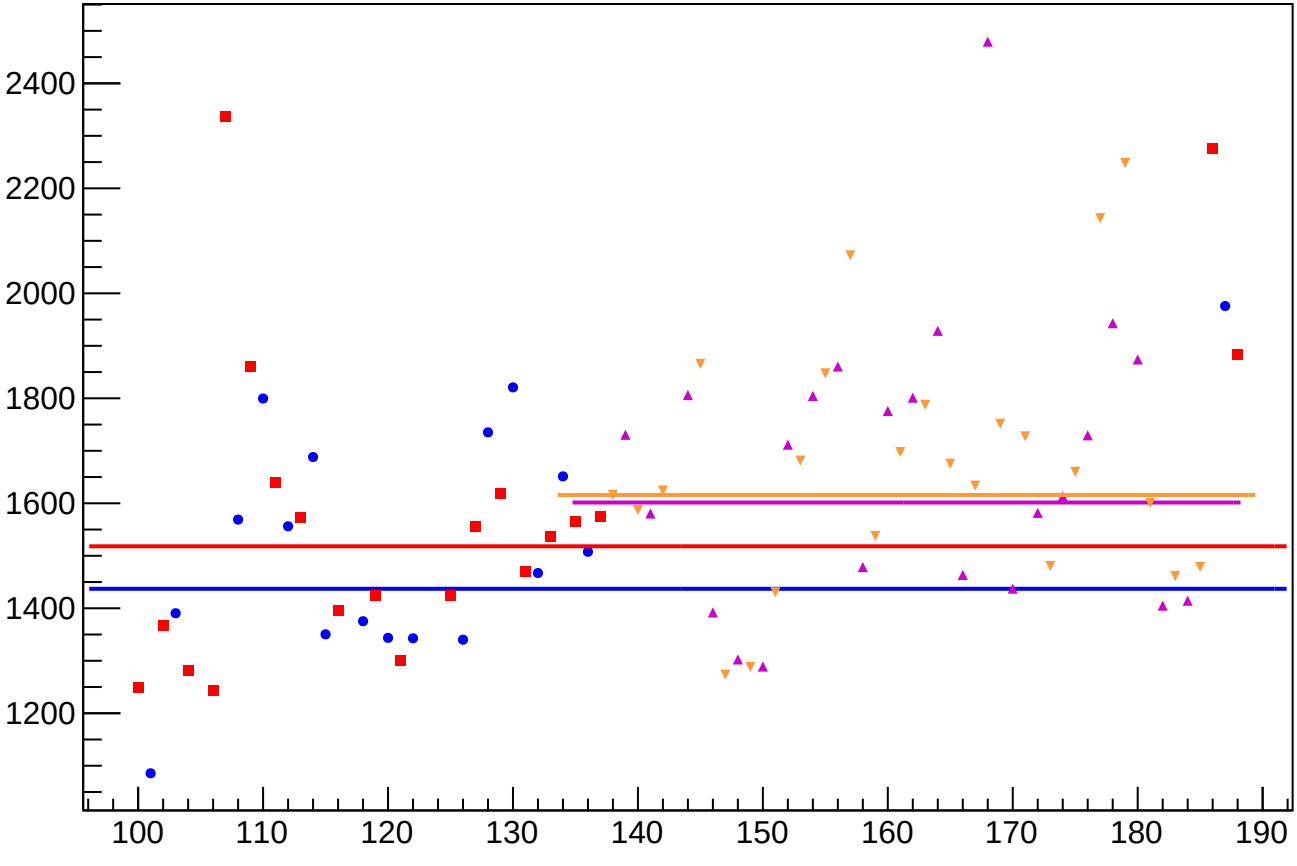
Right: 2496.165+/-372.998 χ^2/NDF: 31.5/36

In: 2264.050+/-309.163 χ^2/NDF:32.2/39

Out: 2113.978+/-307.136 χ^2/NDF:46.2/43

All: 2188.521+/-217.891 χ^2/NDF: 78.5/83

asym_us_avg_rms vs Slug, Sign Corrected



Right In: 1437.116+/-0.378 χ^2/NDF: 321544.4/16

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

Right Out: 1518.077+/-0.368 χ^2/NDF: 395982.0/19

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

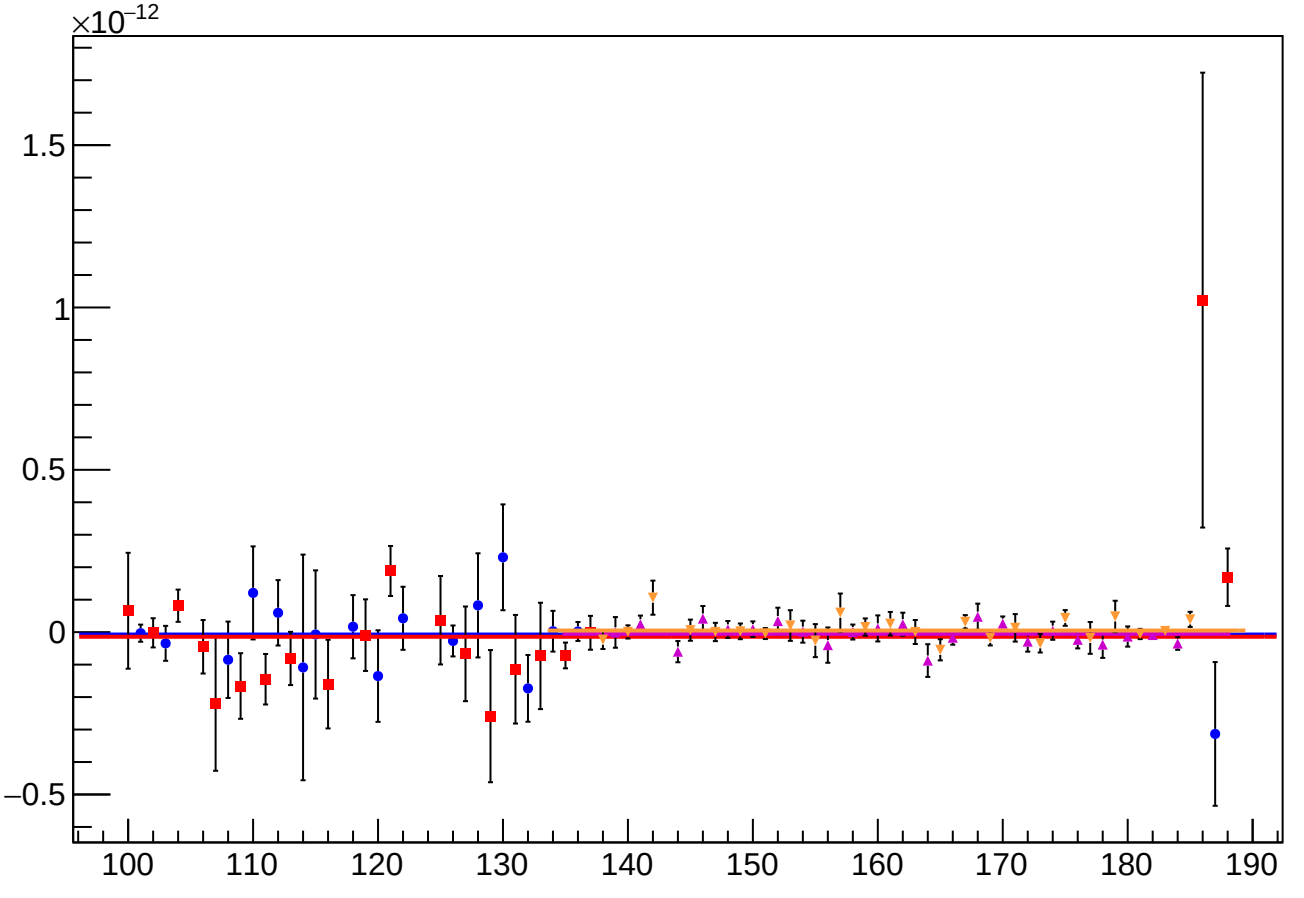
Left: 1608.652+/-0.190 χ^2/NDF: 1489505.9/46

Right: 1478.627+/-0.264 χ^2/NDF: 741067.7/36

In: 1546.469+/-0.219 χ^2/NDF:1241178.4/39

Out: 1581.862+/-0.217 χ^2/NDF:1136303.4/43

All: 1564.282+/-0.154 χ^2/NDF: 2390673.6/83



Right In: -0.000+/-0.000 χ^2/NDF: 10.4/16

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

Right Out: -0.000+/-0.000 χ^2/NDF: 29.8/19

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

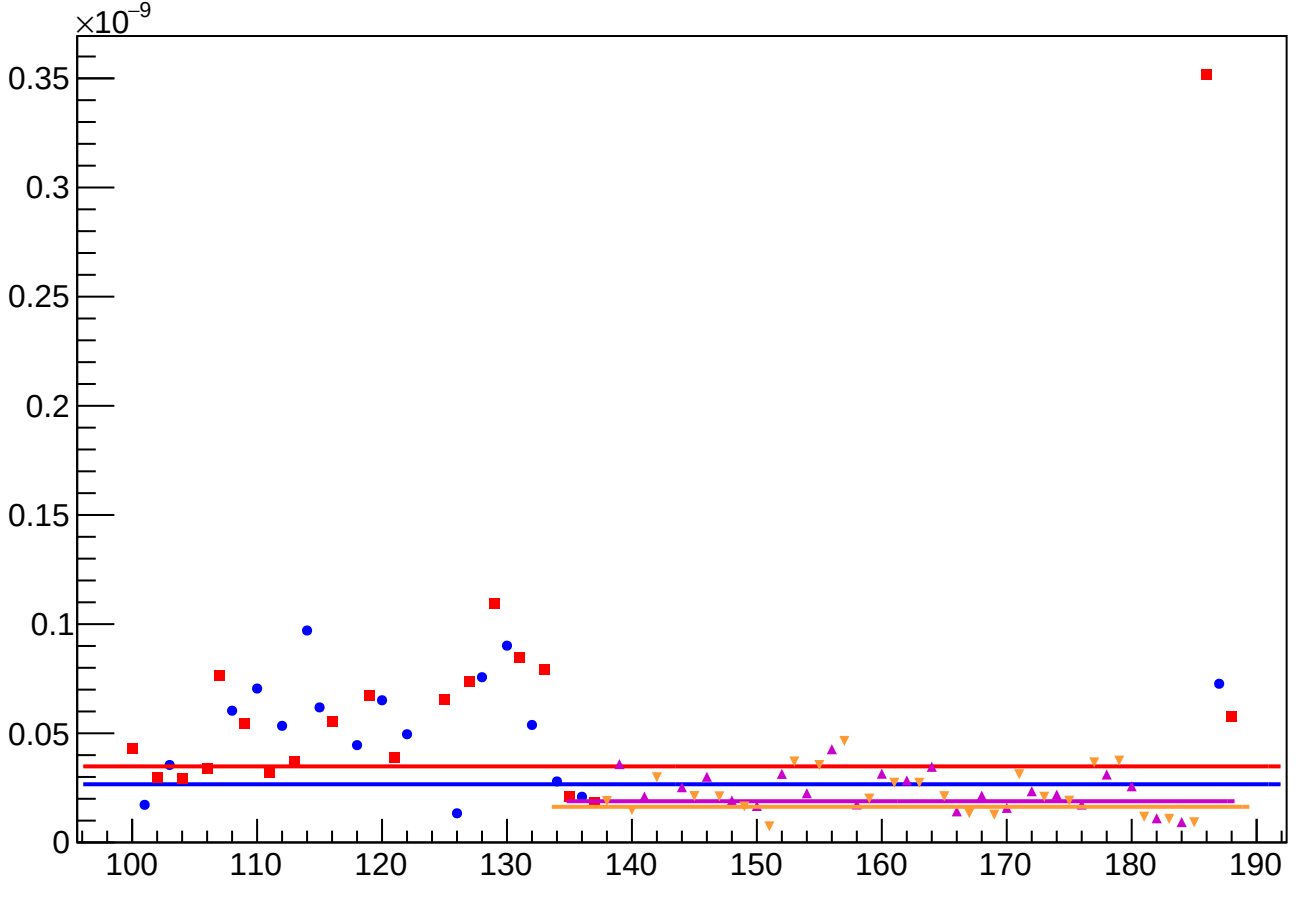
Left: 0.000+/-0.000 χ^2/NDF: 42.0/46

Right: -0.000+/-0.000 χ^2/NDF: 40.3/36

In: -0.000+/-0.000 χ^2/NDF:29.8/39

Out: 0.000+/-0.000 χ^2/NDF:51.8/43

All: -0.000+/-0.000 χ^2/NDF: 83.1/83



Right In: 0.000+/-0.000 χ^2/NDF: 2225365.5/16

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

Right Out: 0.000+/-0.000 χ^2/NDF: 2265279.1/19

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

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

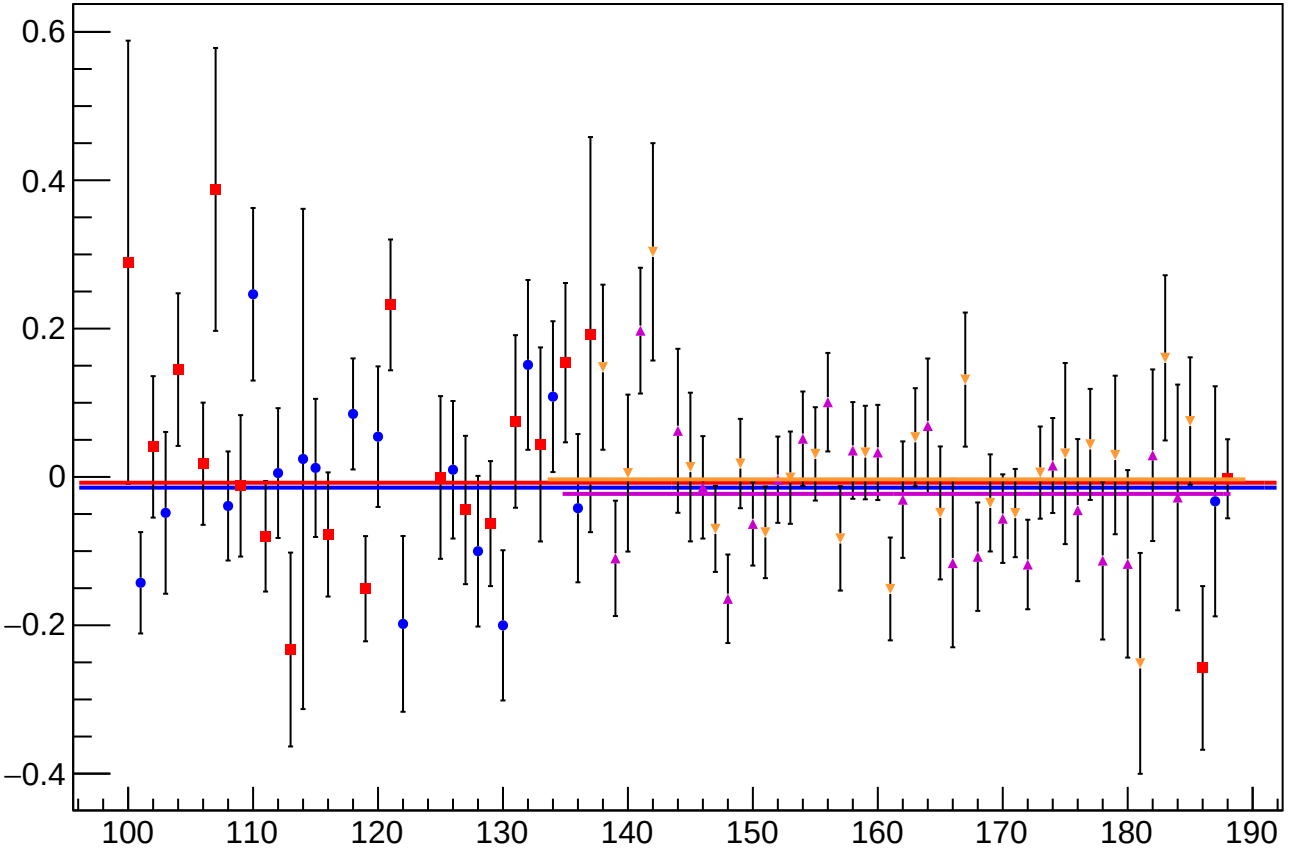
Right: 0.000+/-0.000 χ^2/NDF: 4736059.0/36

In: 0.000+/-0.000 χ^2/NDF:5941023.7/39

Out: 0.000+/-0.000 χ^2/NDF:8512963.8/43

All: 0.000+/-0.000 χ^2/NDF: 14605017.8/83

asym_us_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.014+/-0.024 χ^2/NDF: 21.4/16

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

Right Out: -0.008+/-0.021 χ^2/NDF: 33.1/19

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

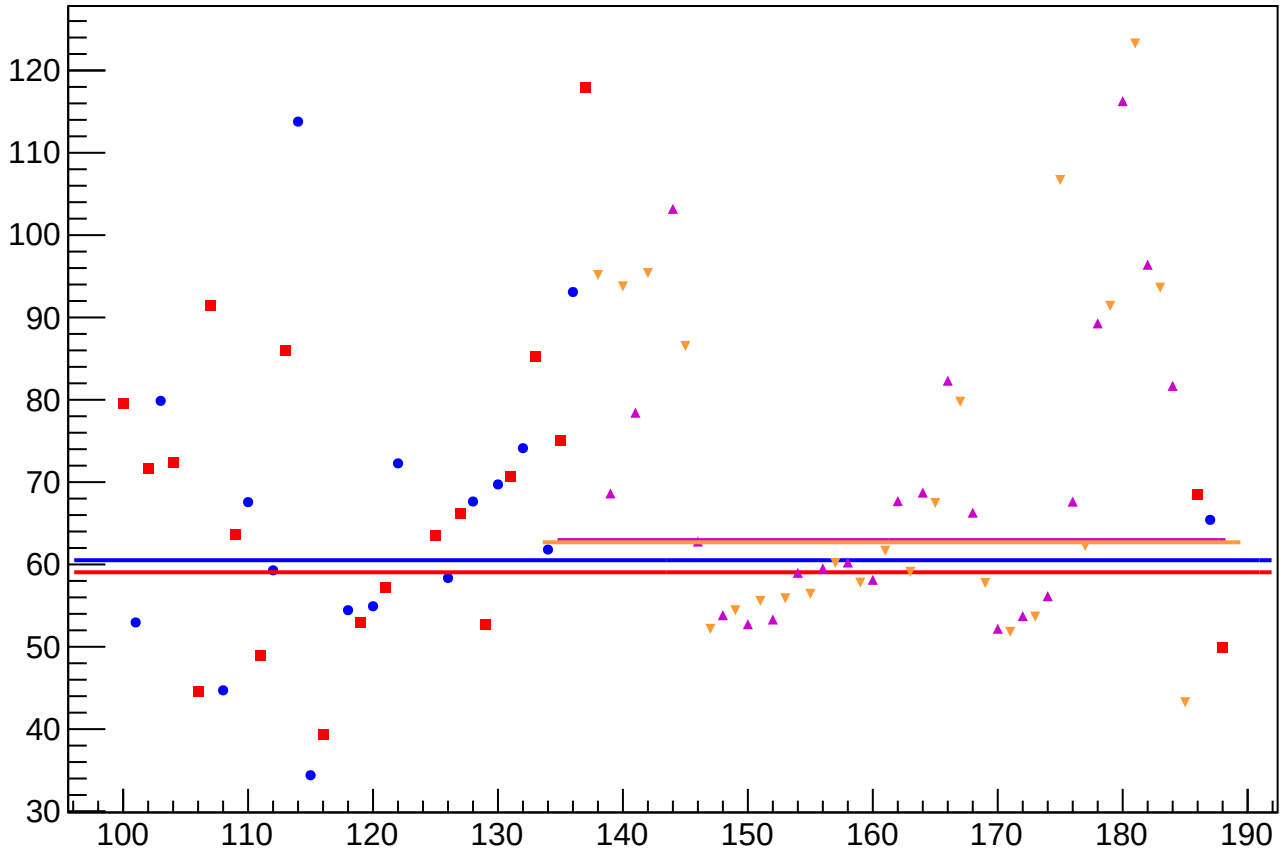
Left: -0.013+/-0.011 χ^2/NDF: 55.7/46

Right: -0.011+/-0.016 χ^2/NDF: 54.5/36

In: -0.020+/-0.013 χ^2/NDF:50.4/39

Out: -0.005+/-0.013 χ^2/NDF:59.0/43

All: -0.012+/-0.009 χ^2/NDF: 110.2/83



Right In: 60.515+/-0.017 χ^2/NDF: 705203.7/16

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

Right Out: 59.049+/-0.015 χ^2/NDF: 791585.7/19

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

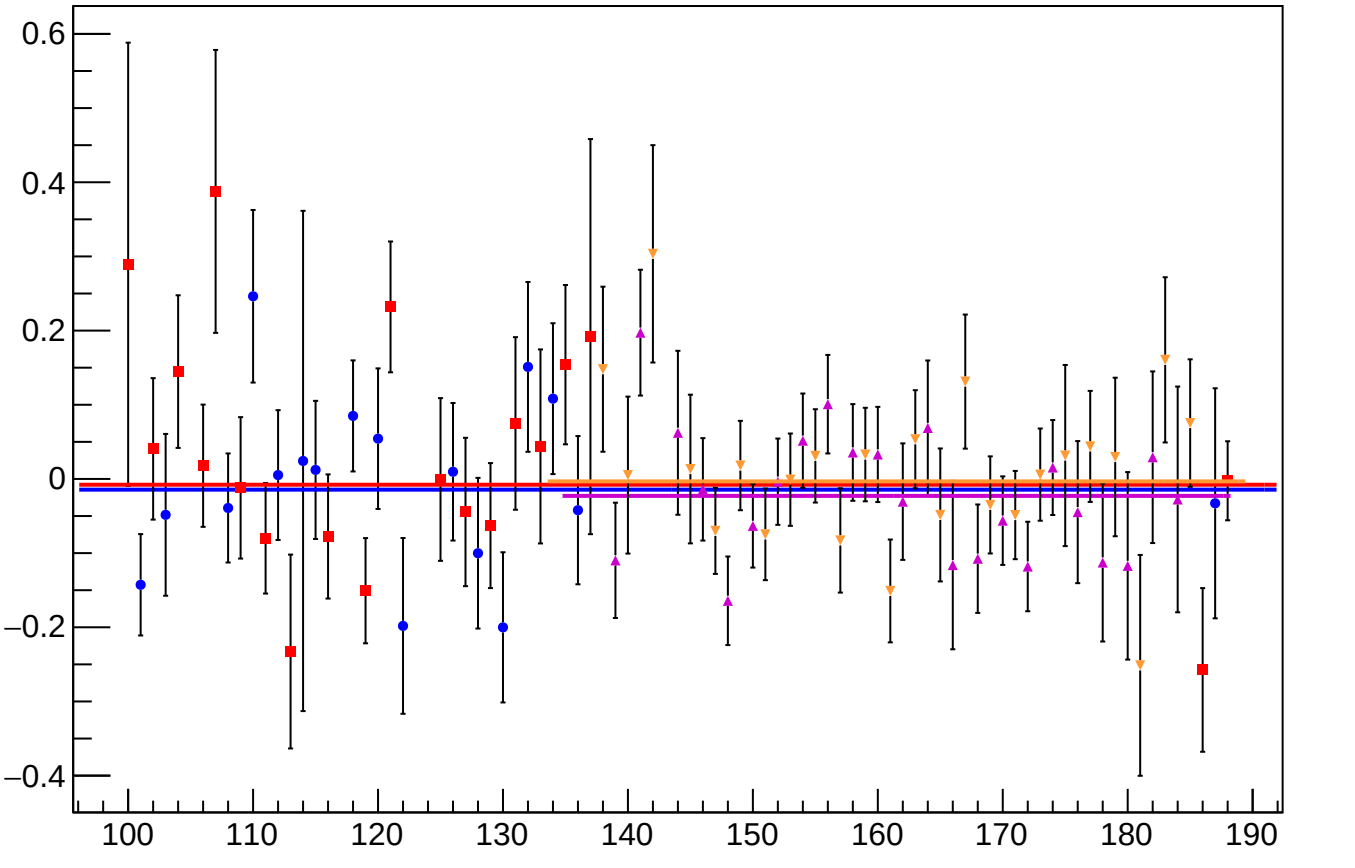
Left: 62.825+/-0.008 χ^2/NDF: 3370112.8/46

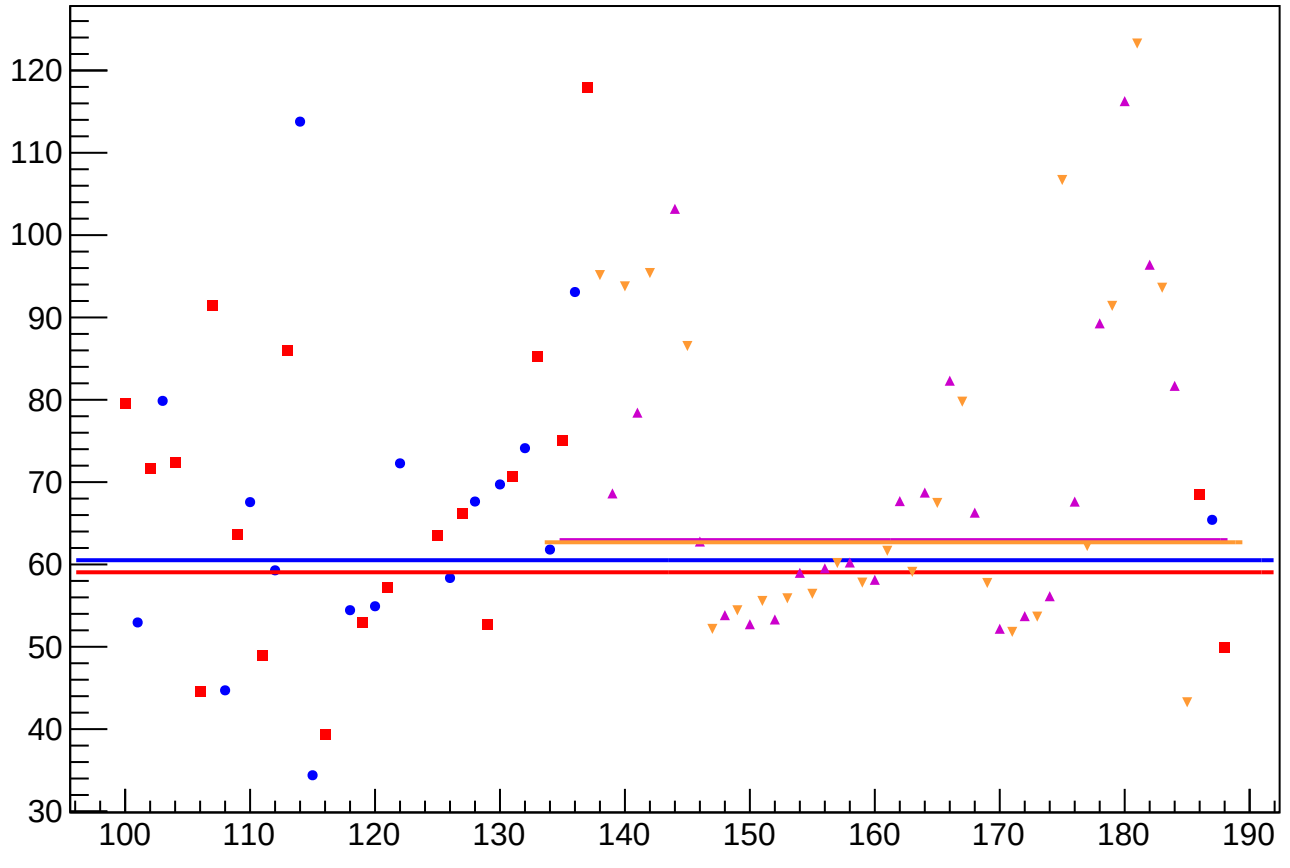
Right: 59.709+/-0.011 χ^2/NDF: 1501043.6/36

In: 62.220+/-0.009 χ^2/NDF:2150587.2/39

Out: 61.434+/-0.009 χ^2/NDF:2769244.6/43

All: 61.814+/-0.006 χ^2/NDF: 4923631.9/83


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
110
120
130
140
150
160
170
180
190
Right In: -0.014+/-0.024 χ²/NDF: 21.4/16
Left Out: -0.003+/-0.015 χ²/NDF:25.9/23
Right Out: -0.008+/-0.021 χ²/NDF: 33.1/19
Left In: -0.023+/-0.015 χ²/NDF:29.0/22
Left: -0.013+/-0.011 χ²/NDF: 55.7/46
Right: -0.011+/-0.016 χ²/NDF: 54.5/36
In: -0.020+/-0.013 χ²/NDF:50.4/39
Out: -0.005+/-0.013 χ²/NDF:59.0/43
All: -0.012+/-0.009 χ²/NDF: 110.2/83



Right In: 60.515+/-0.017 χ^2/NDF: 705203.7/16

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

Right Out: 59.049+/-0.015 χ^2/NDF: 791585.7/19

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

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

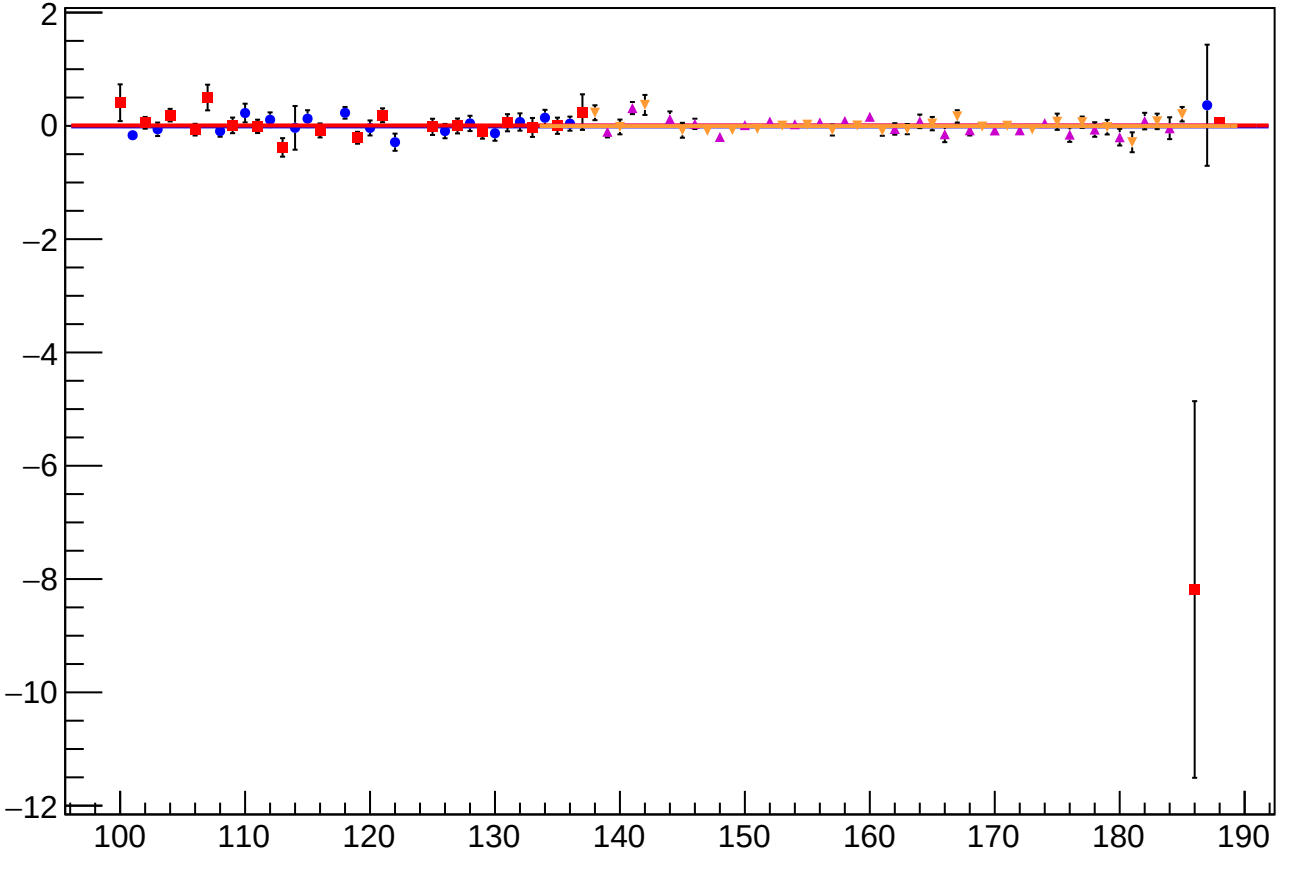
Right: 59.709+/-0.011 χ^2/NDF: 1501043.6/36

In: 62.220+/-0.009 χ^2/NDF:2150587.2/39

Out: 61.434+/-0.009 χ^2/NDF:2769244.6/43

All: 61.814+/-0.006 χ^2/NDF: 4923631.9/83

asym_us_avg_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.010+/-0.032 χ^2/NDF: 20.3/16

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

Right Out: 0.007+/-0.029 χ^2/NDF: 30.5/19

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

Left: -0.001+/-0.015 χ^2/NDF: 51.9/46

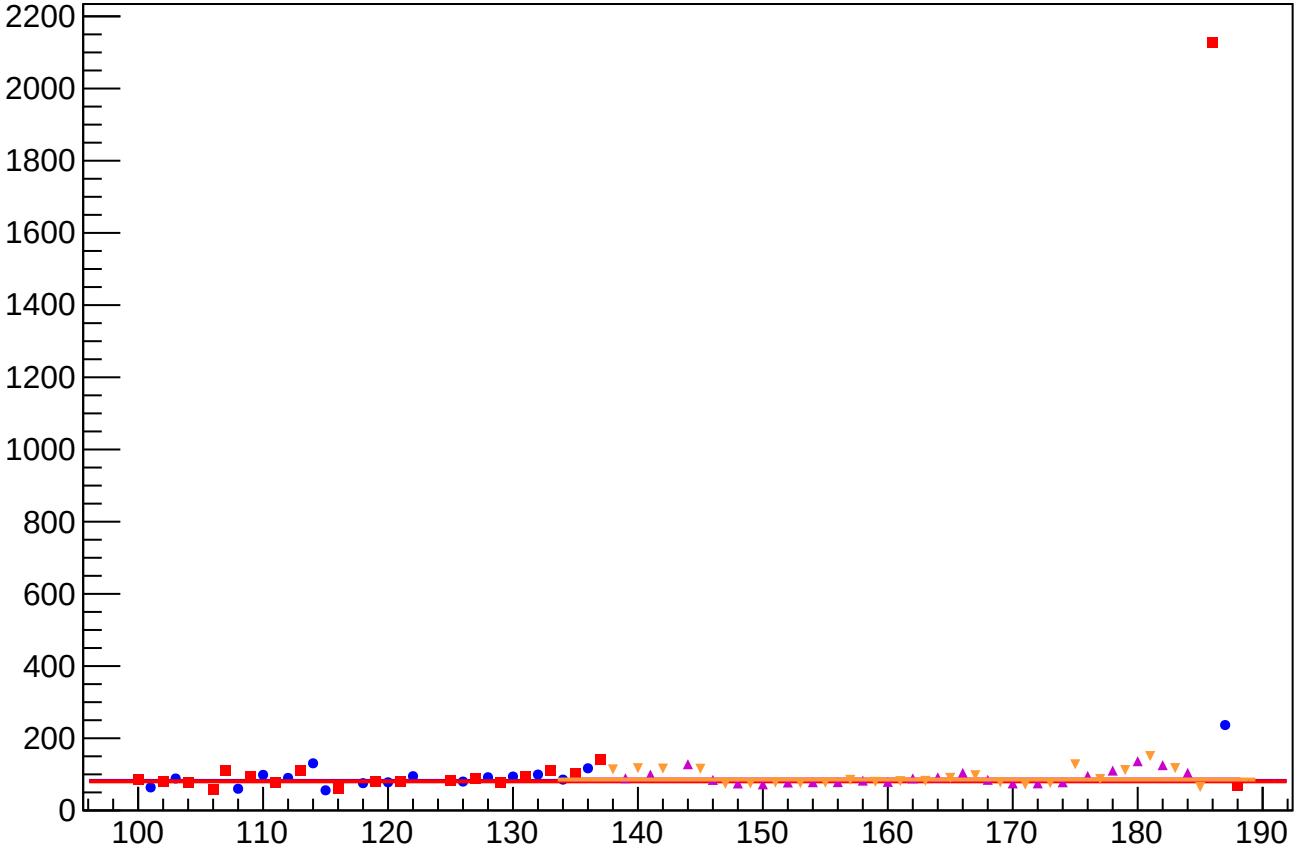
Right: -0.001+/-0.021 χ^2/NDF: 50.9/36

In: -0.002+/-0.017 χ^2/NDF:50.9/39

Out: -0.001+/-0.017 χ^2/NDF:51.9/43

All: -0.001+/-0.012 χ^2/NDF: 102.9/83

asym_us_avg_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



Right In: 81.799+/-0.022 χ^2/NDF: 603812.2/16

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

Right Out: 80.673+/-0.021 χ^2/NDF: 1293966.0/19

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

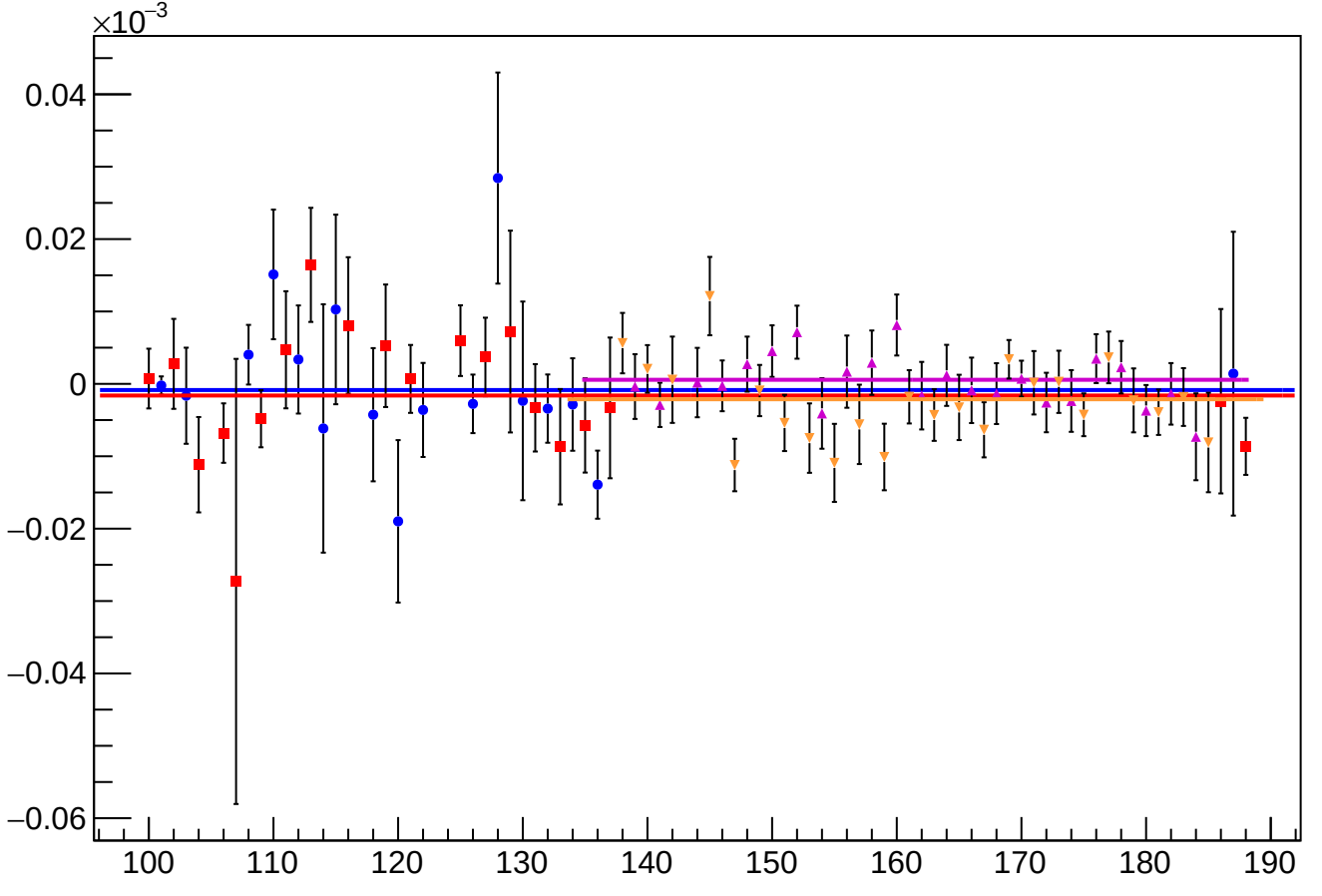
Left: 85.665+/-0.010 χ^2/NDF: 2348620.8/46

Right: 81.192+/-0.015 χ^2/NDF: 1899148.5/36

In: 84.515+/-0.012 χ^2/NDF:1620801.0/39

Out: 83.989+/-0.012 χ^2/NDF:2685386.4/43

All: 84.246+/-0.009 χ^2/NDF: 4307135.7/83



Right In: -0.000+/-0.000 χ^2/NDF: 21.3/16

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

Right Out: -0.000+/-0.000 χ^2/NDF: 21.9/19

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

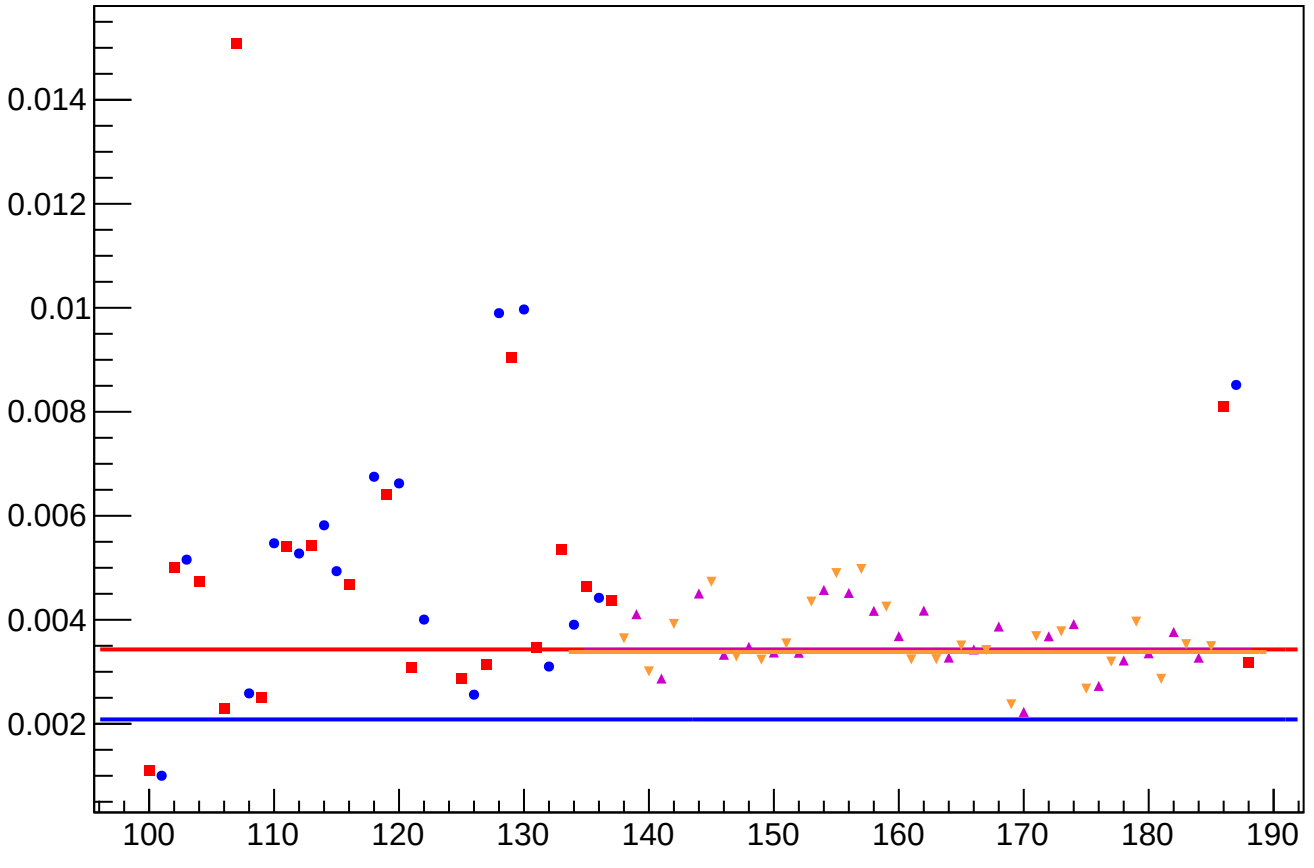
Left: -0.000+/-0.000 χ^2/NDF: 59.5/46

Right: -0.000+/-0.000 χ^2/NDF: 43.5/36

In: 0.000+/-0.000 χ^2/NDF:39.1/39

Out: -0.000+/-0.000 χ^2/NDF:59.5/43

All: -0.000+/-0.000 χ^2/NDF: 103.1/83



Right In: 0.002+/-0.000 χ^2/NDF: 6029307.6/16

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

Right Out: 0.003+/-0.000 χ^2/NDF: 2770076.5/19

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

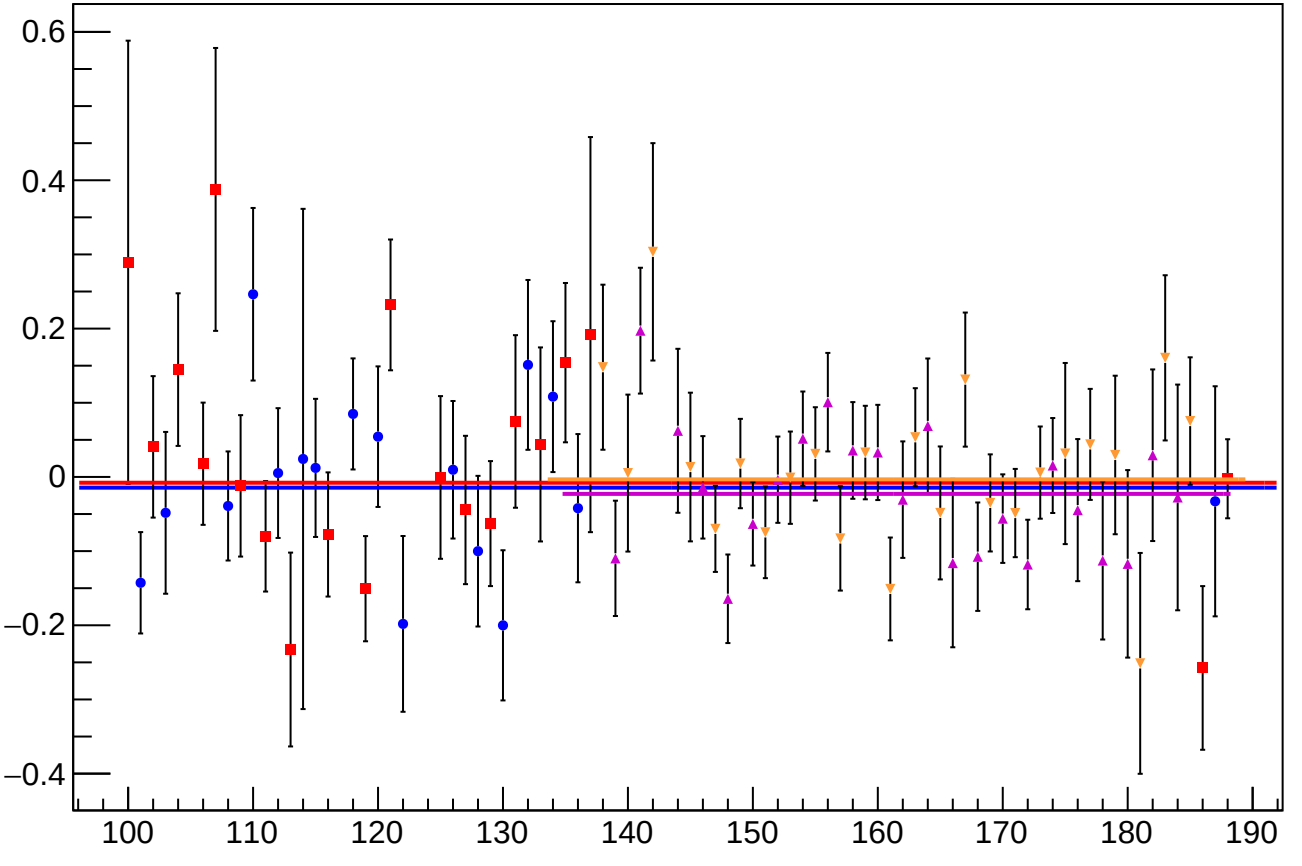
Left: 0.003+/-0.000 χ^2/NDF: 2367900.3/46

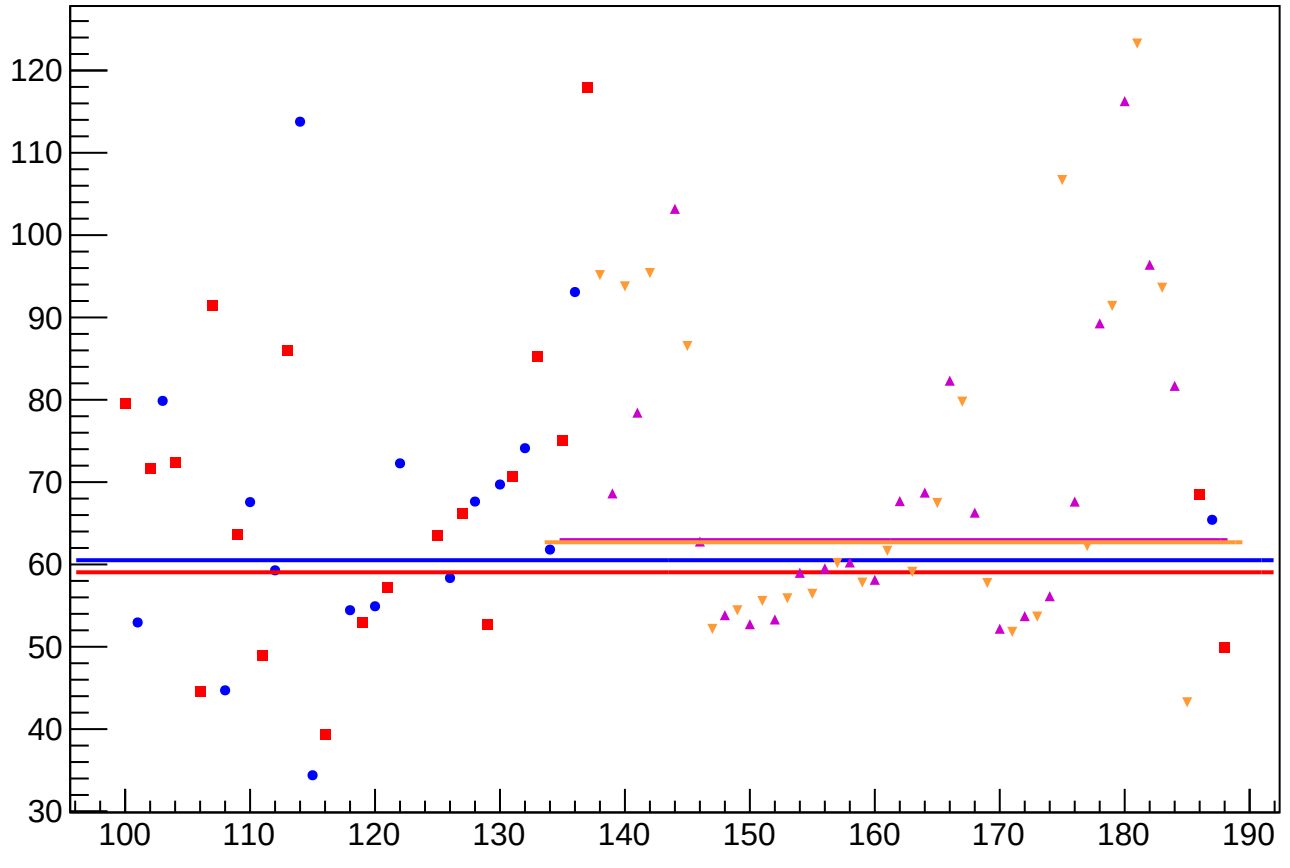
Right: 0.003+/-0.000 χ^2/NDF: 10098955.4/36

In: 0.003+/-0.000 χ^2/NDF:9313763.6/39

Out: 0.003+/-0.000 χ^2/NDF:3967748.2/43

All: 0.003+/-0.000 χ^2/NDF: 13863719.0/83


asym_us_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
0.6
0.4
0.2
0
−0.2
−0.4
100
110
120
130
140
150
160
170
180
190
Right In: -0.014+/-0.024 χ²/NDF: 21.4/16
Left Out: -0.003+/-0.015 χ²/NDF:25.9/23
Right Out: -0.008+/-0.021 χ²/NDF: 33.1/19
Left In: -0.023+/-0.015 χ²/NDF:29.0/22
Left: -0.013+/-0.011 χ²/NDF: 55.7/46
Right: -0.011+/-0.016 χ²/NDF: 54.5/36
In: -0.020+/-0.013 χ²/NDF:50.4/39
Out: -0.005+/-0.013 χ²/NDF:59.0/43
All: -0.012+/-0.009 χ²/NDF: 110.2/83



Right In: 60.514+/-0.017 χ^2/NDF: 705220.7/16

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

Right Out: 59.048+/-0.015 χ^2/NDF: 791576.9/19

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

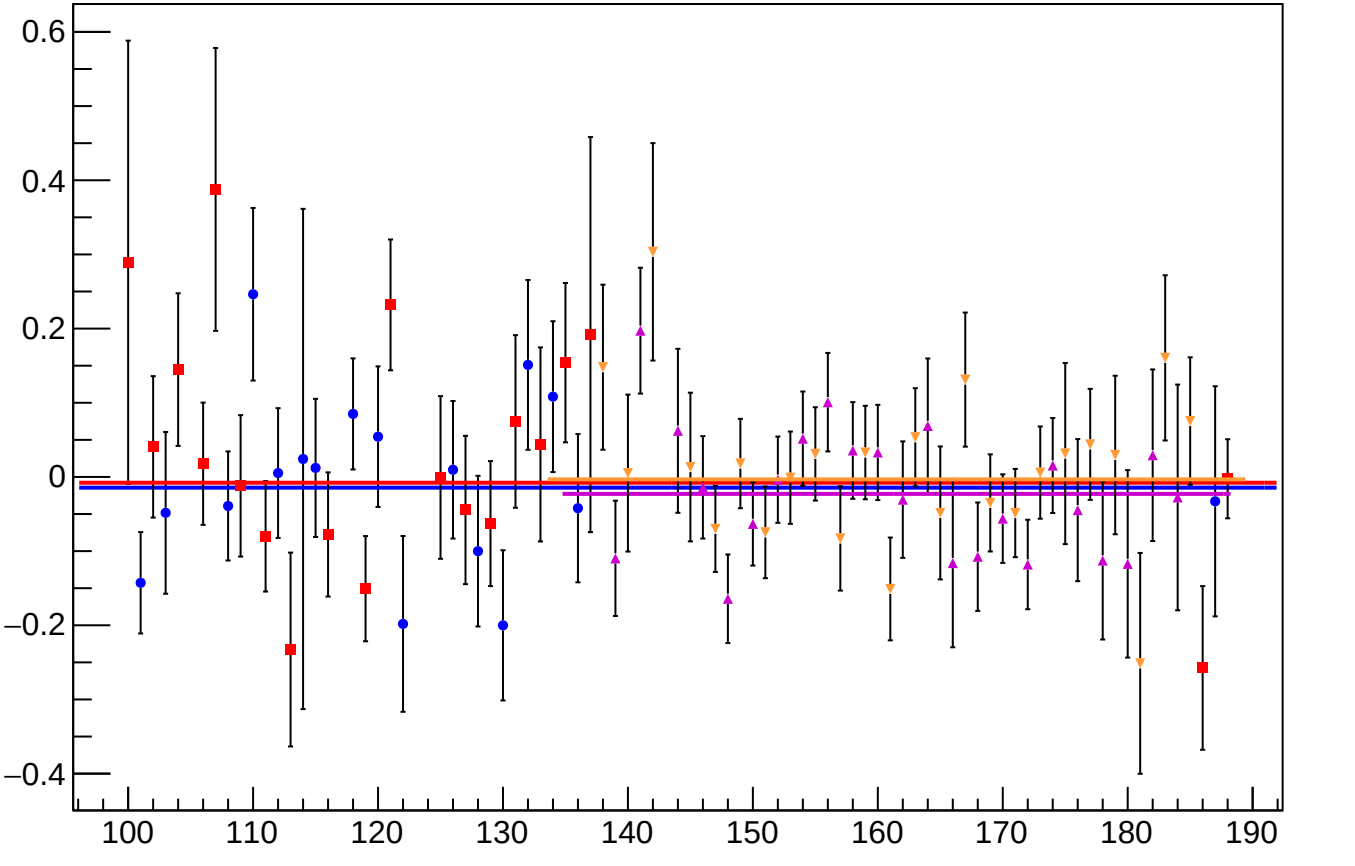
Left: 62.825+/-0.008 χ^2/NDF: 3370070.3/46

Right: 59.708+/-0.011 χ^2/NDF: 1501050.5/36

In: 62.220+/-0.009 χ^2/NDF:2150599.2/39

Out: 61.434+/-0.009 χ^2/NDF:2769249.1/43

All: 61.814+/-0.006 χ^2/NDF: 4923647.8/83



Right In: -0.014+/-0.024 χ^2/NDF: 21.4/16

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

Right Out: -0.008+/-0.021 χ^2/NDF: 33.1/19

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

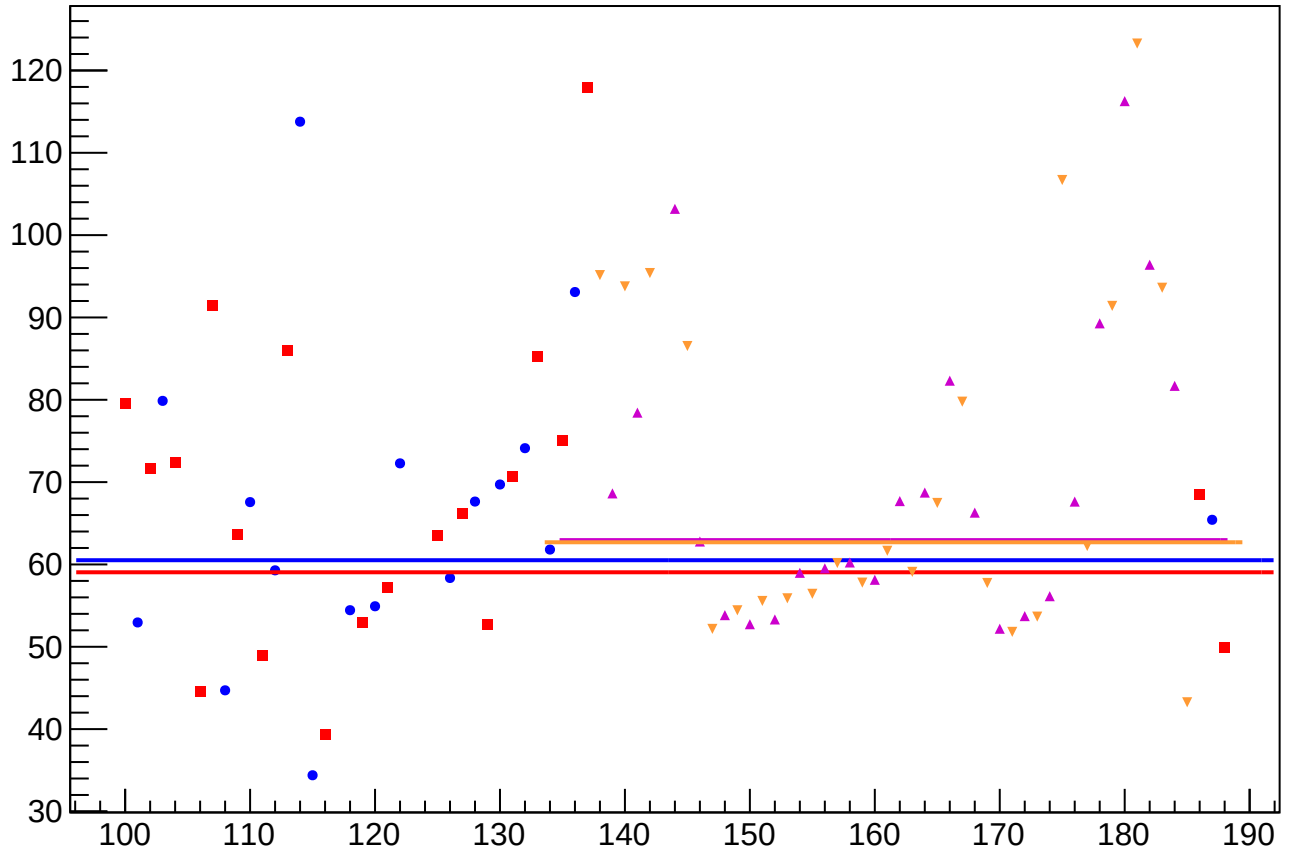
Left: -0.013+/-0.011 χ^2/NDF: 55.7/46

Right: -0.011+/-0.016 χ^2/NDF: 54.5/36

In: -0.020+/-0.013 χ^2/NDF:50.4/39

Out: -0.005+/-0.013 χ^2/NDF:59.0/43

All: -0.012+/-0.009 χ^2/NDF: 110.2/83



Right In: 60.514+/-0.017 χ^2/NDF: 705220.7/16

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

Right Out: 59.048+/-0.015 χ^2/NDF: 791576.9/19

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

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

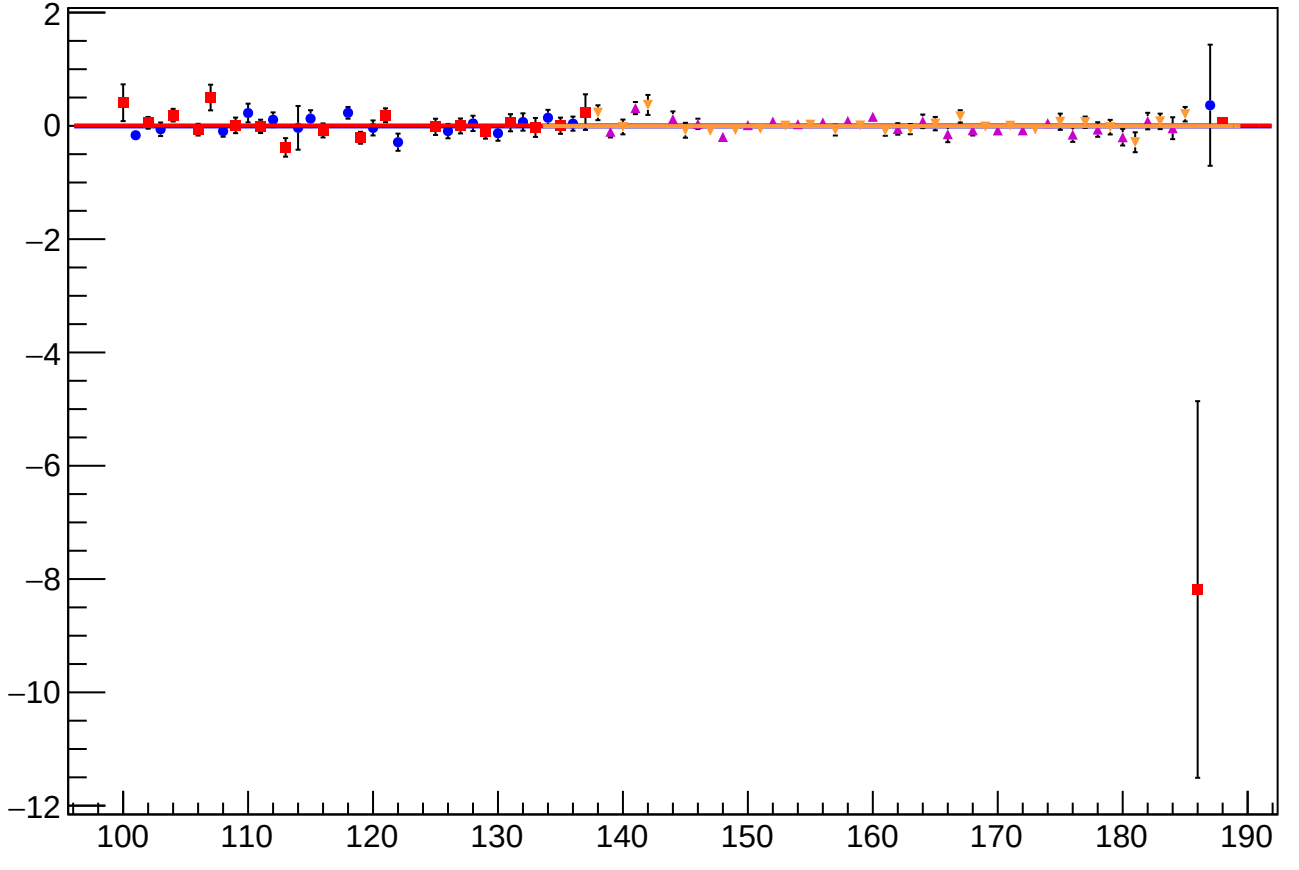
Right: 59.708+/-0.011 χ^2/NDF: 1501050.5/36

In: 62.220+/-0.009 χ^2/NDF:2150599.2/39

Out: 61.434+/-0.009 χ^2/NDF:2769249.1/43

All: 61.814+/-0.006 χ^2/NDF: 4923647.8/83

asym_us_avg_eigen_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.010+/-0.032 χ^2/NDF: 20.3/16

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

Right Out: 0.007+/-0.029 χ^2/NDF: 30.5/19

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

Left: -0.001+/-0.015 χ^2/NDF: 51.9/46

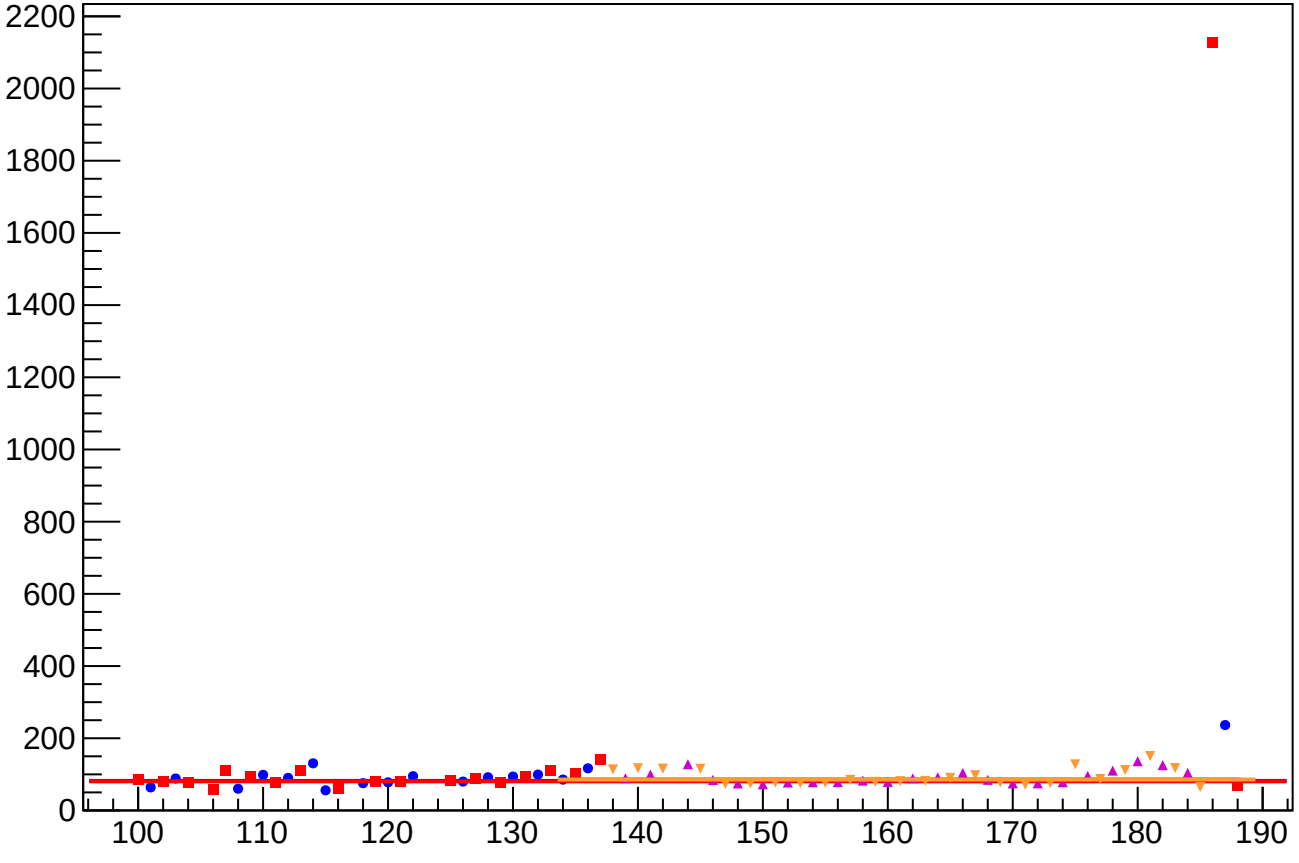
Right: -0.001+/-0.021 χ^2/NDF: 50.9/36

In: -0.002+/-0.017 χ^2/NDF:50.9/39

Out: -0.001+/-0.017 χ^2/NDF:51.9/43

All: -0.001+/-0.012 χ^2/NDF: 102.9/83

asym_us_avg_eigen_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



Right In: 81.798+/-0.022 χ^2/NDF: 603800.0/16

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

Right Out: 80.672+/-0.021 χ^2/NDF: 1293948.8/19

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

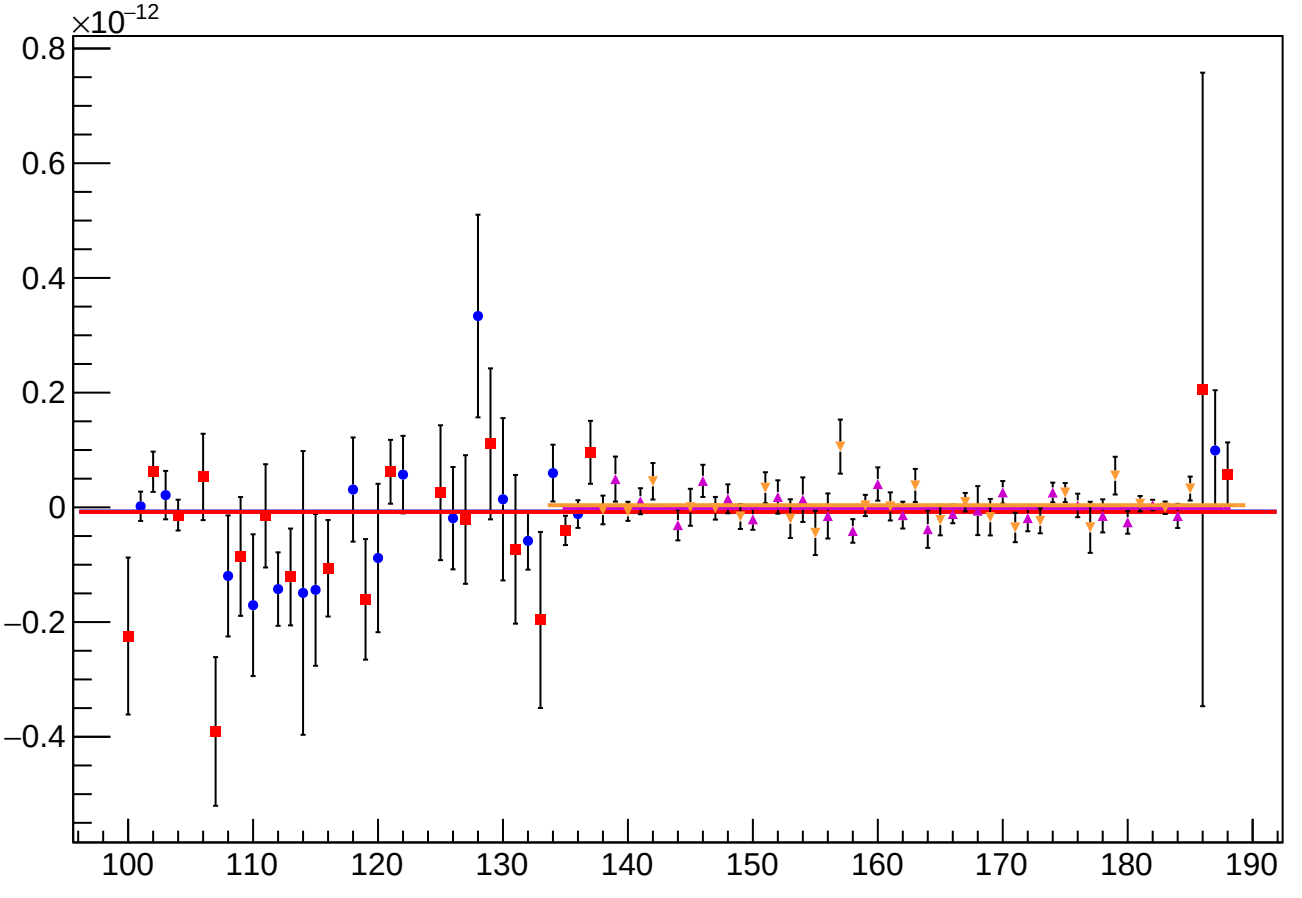
Left: 85.665+/-0.010 χ^2/NDF: 2348601.5/46

Right: 81.191+/-0.015 χ^2/NDF: 1899118.7/36

In: 84.515+/-0.012 χ^2/NDF:1620791.3/39

Out: 83.989+/-0.012 χ^2/NDF:2685376.5/43

All: 84.245+/-0.009 χ^2/NDF: 4307115.9/83



Right In: -0.000+/-0.000 χ^2/NDF: 18.5/16

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

Right Out: -0.000+/-0.000 χ^2/NDF: 32.7/19

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

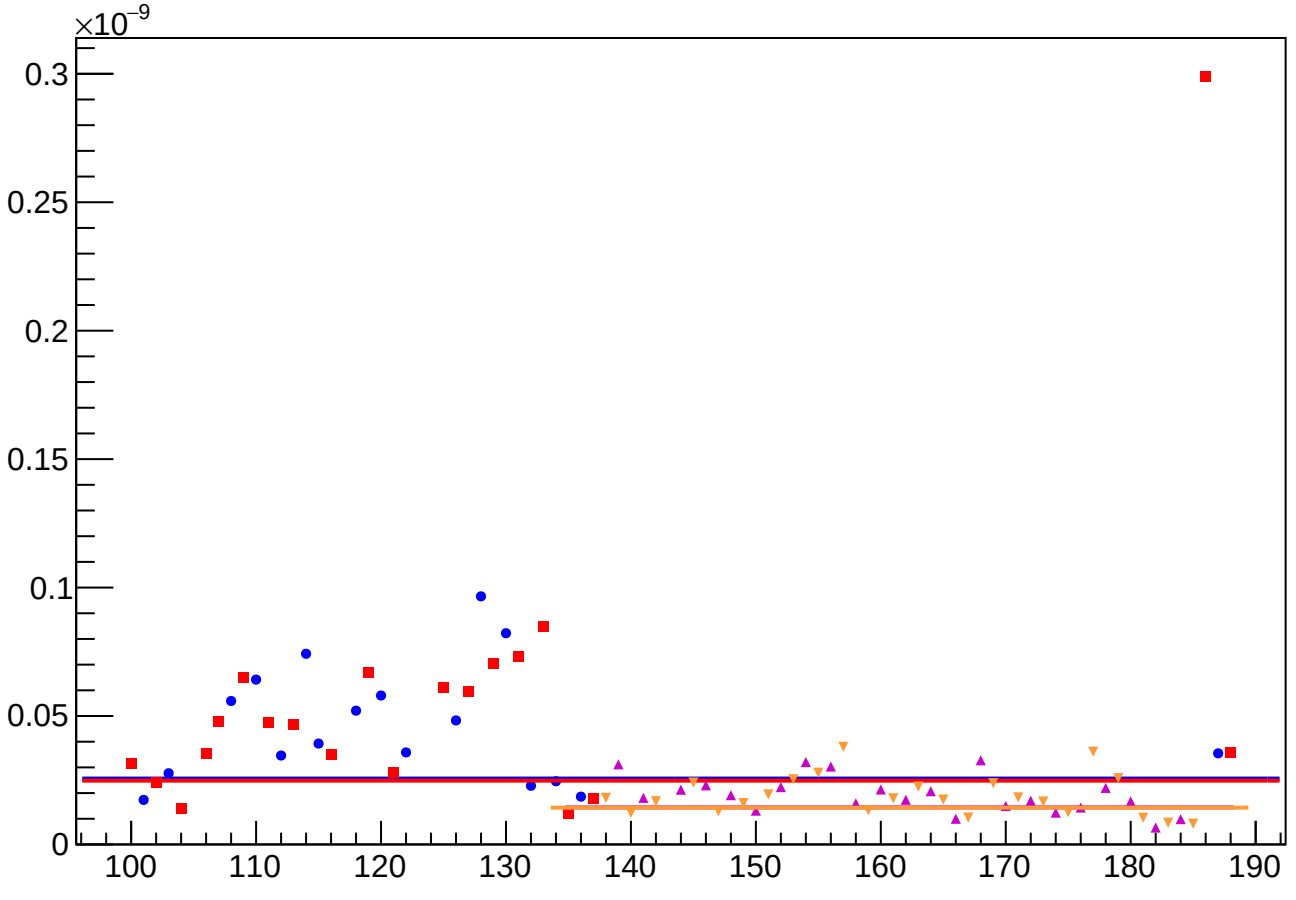
Left: 0.000+/-0.000 χ^2/NDF: 49.2/46

Right: -0.000+/-0.000 χ^2/NDF: 51.2/36

In: -0.000+/-0.000 χ^2/NDF:42.3/39

Out: 0.000+/-0.000 χ^2/NDF:58.4/43

All: 0.000+/-0.000 χ^2/NDF: 101.3/83



Right In: 0.000+/-0.000 χ^2/NDF: 2017649.2/16

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

Right Out: 0.000+/-0.000 χ^2/NDF: 3661064.1/19

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

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

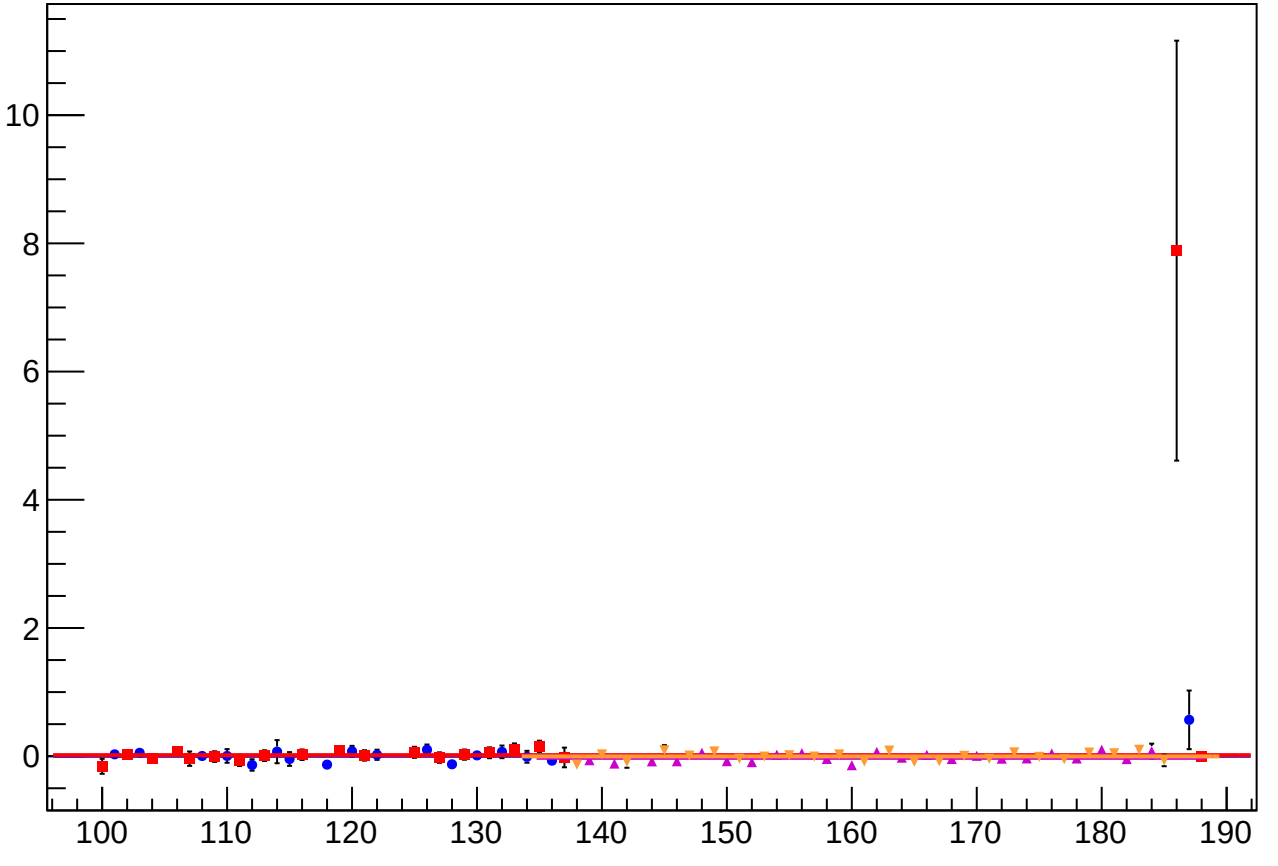
Right: 0.000+/-0.000 χ^2/NDF: 5682530.1/36

In: 0.000+/-0.000 χ^2/NDF:7583411.4/39

Out: 0.000+/-0.000 χ^2/NDF:8443515.5/43

All: 0.000+/-0.000 χ^2/NDF: 16028567.2/83

asym_us_avg_overload_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.007+/-0.017 χ^2/NDF: 17.1/16

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

Right Out: 0.016+/-0.015 χ^2/NDF: 18.3/19

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

Left: -0.014+/-0.009 χ^2/NDF: 49.0/46

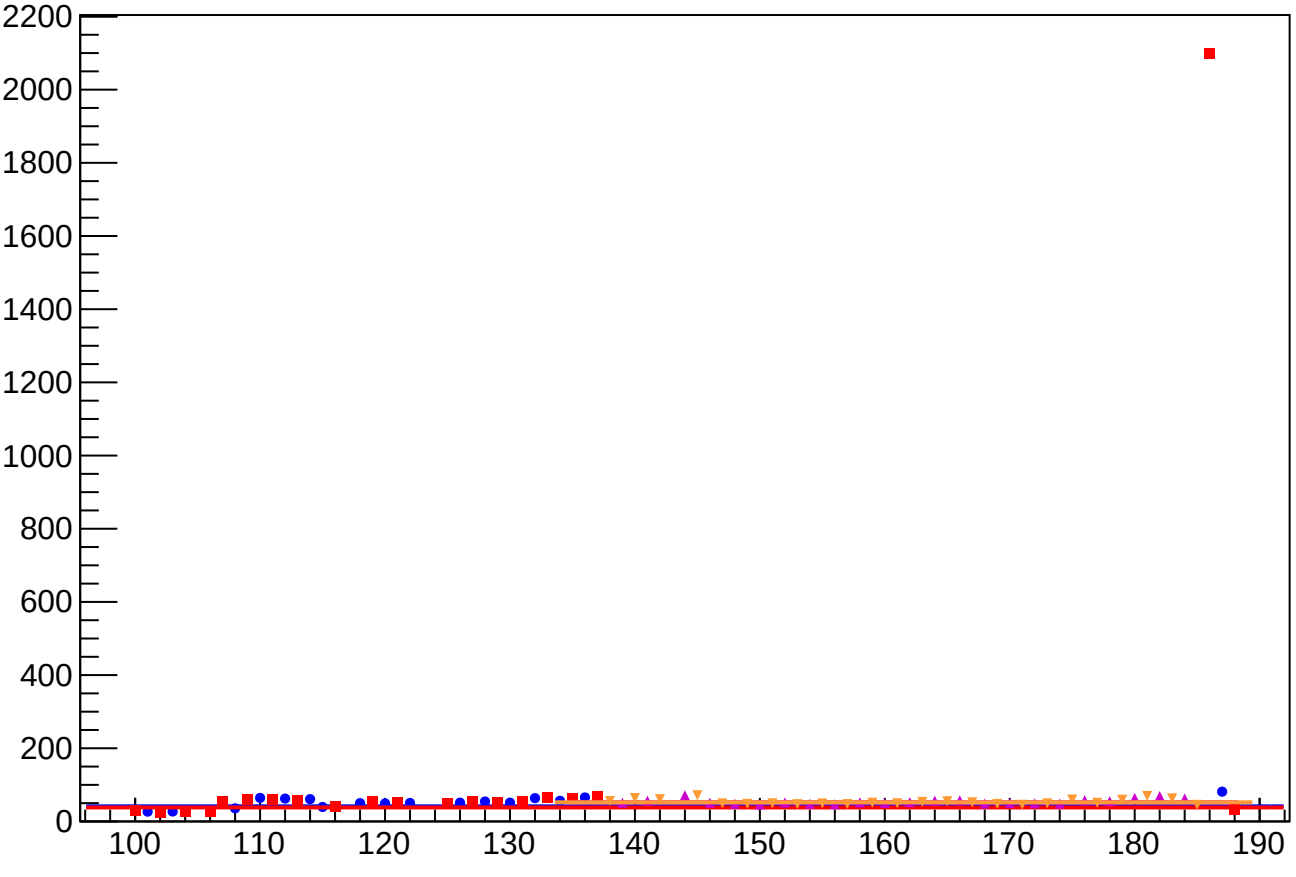
Right: 0.012+/-0.011 χ^2/NDF: 35.5/36

In: -0.014+/-0.010 χ^2/NDF:43.7/39

Out: 0.005+/-0.009 χ^2/NDF:42.4/43

All: -0.004+/-0.007 χ^2/NDF: 87.9/83

asym_us_avg_overload_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.329+/-0.012 χ^2/NDF: 1520626.1/16

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

Right Out: 38.240+/-0.010 χ^2/NDF: 2667393.0/19

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

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

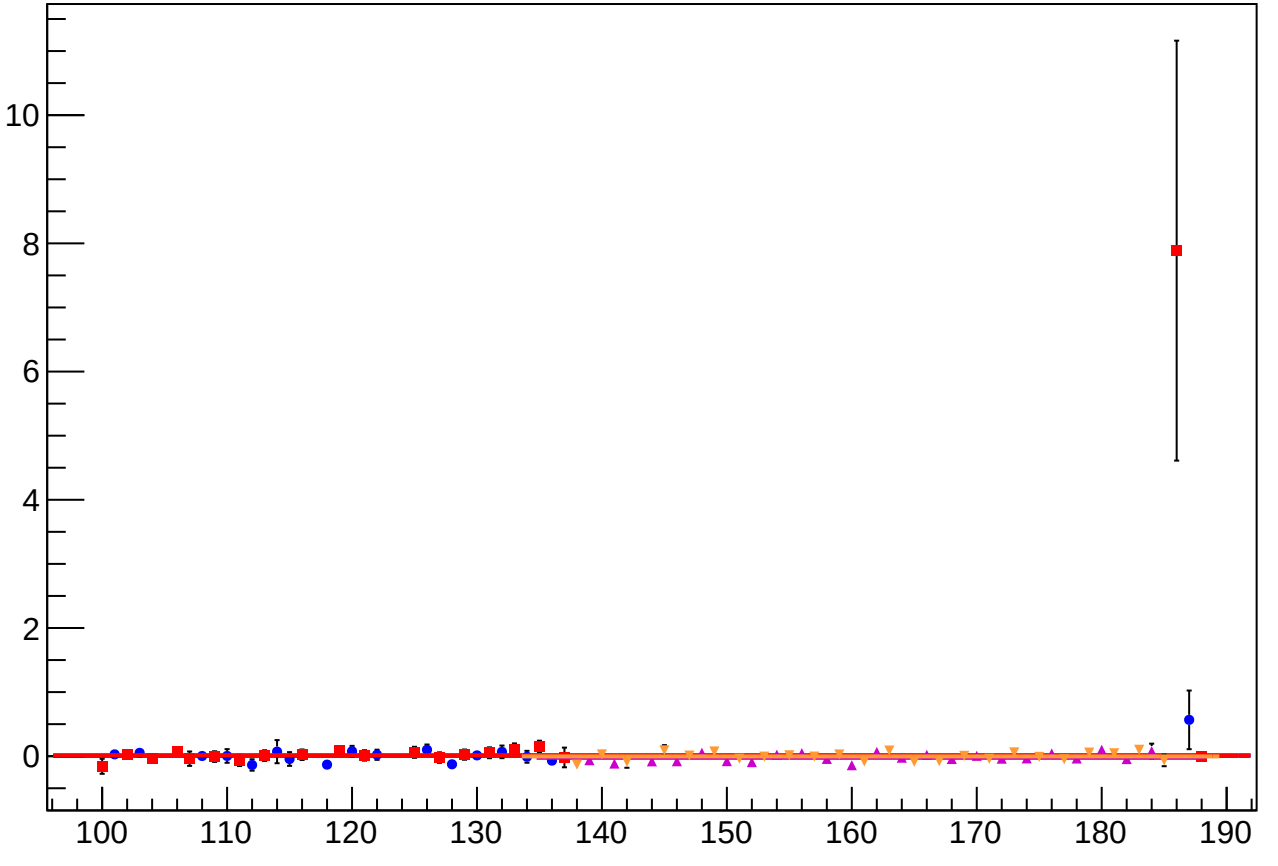
Right: 39.588+/-0.008 χ^2/NDF: 4227465.5/36

In: 48.416+/-0.007 χ^2/NDF:2545679.3/39

Out: 46.404+/-0.007 χ^2/NDF:4281335.7/43

All: 47.355+/-0.005 χ^2/NDF: 6869958.1/83

asym_us_avg_overload_cor_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.007+/-0.017 χ^2/NDF: 17.1/16

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

Right Out: 0.016+/-0.015 χ^2/NDF: 18.3/19

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

Left: -0.014+/-0.009 χ^2/NDF: 49.0/46

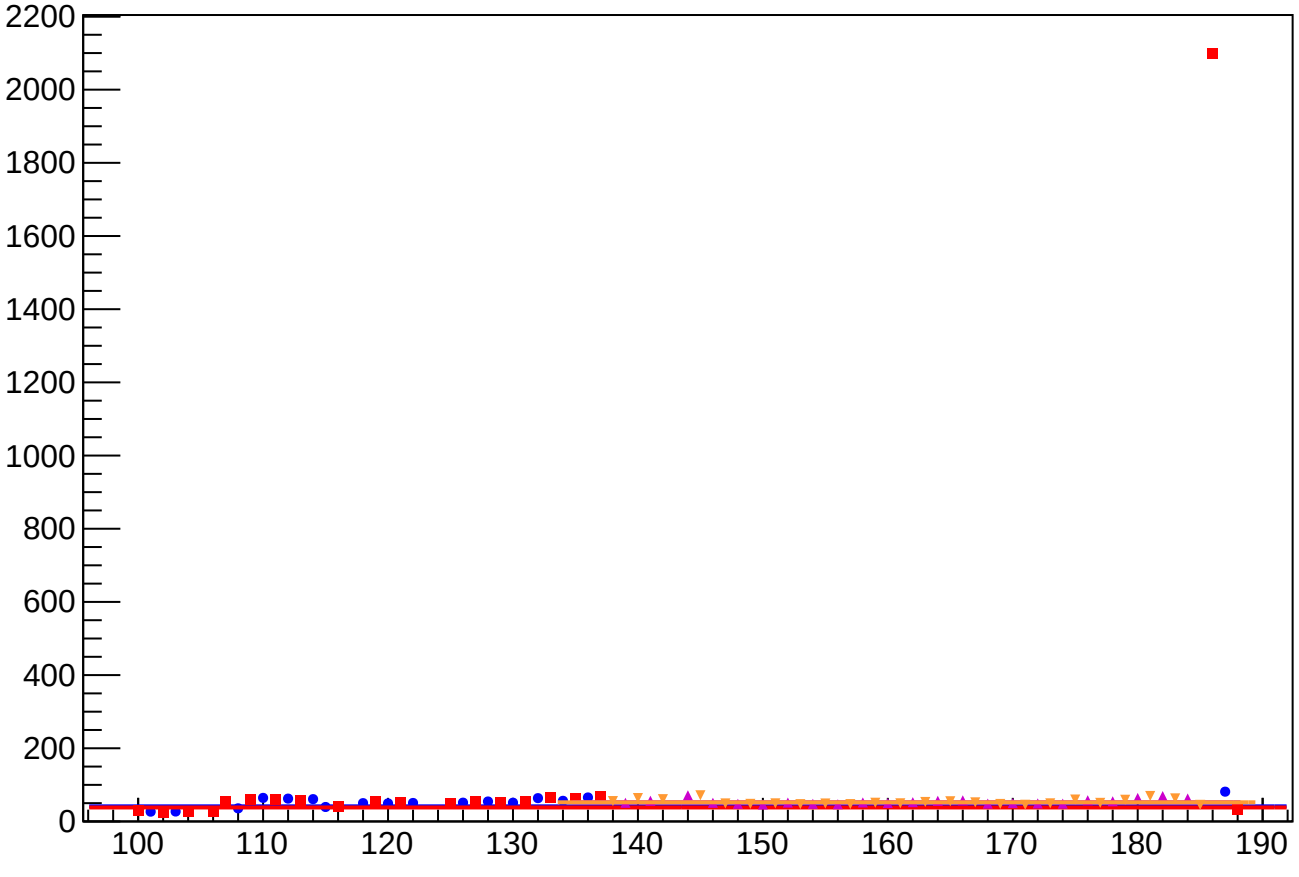
Right: 0.012+/-0.011 χ^2/NDF: 35.5/36

In: -0.014+/-0.010 χ^2/NDF:43.7/39

Out: 0.005+/-0.009 χ^2/NDF:42.4/43

All: -0.004+/-0.007 χ^2/NDF: 87.9/83

asym_us_avg_overload_cor_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.329+/-0.012 χ^2/NDF: 1520626.1/16

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

Right Out: 38.240+/-0.010 χ^2/NDF: 2667393.0/19

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

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

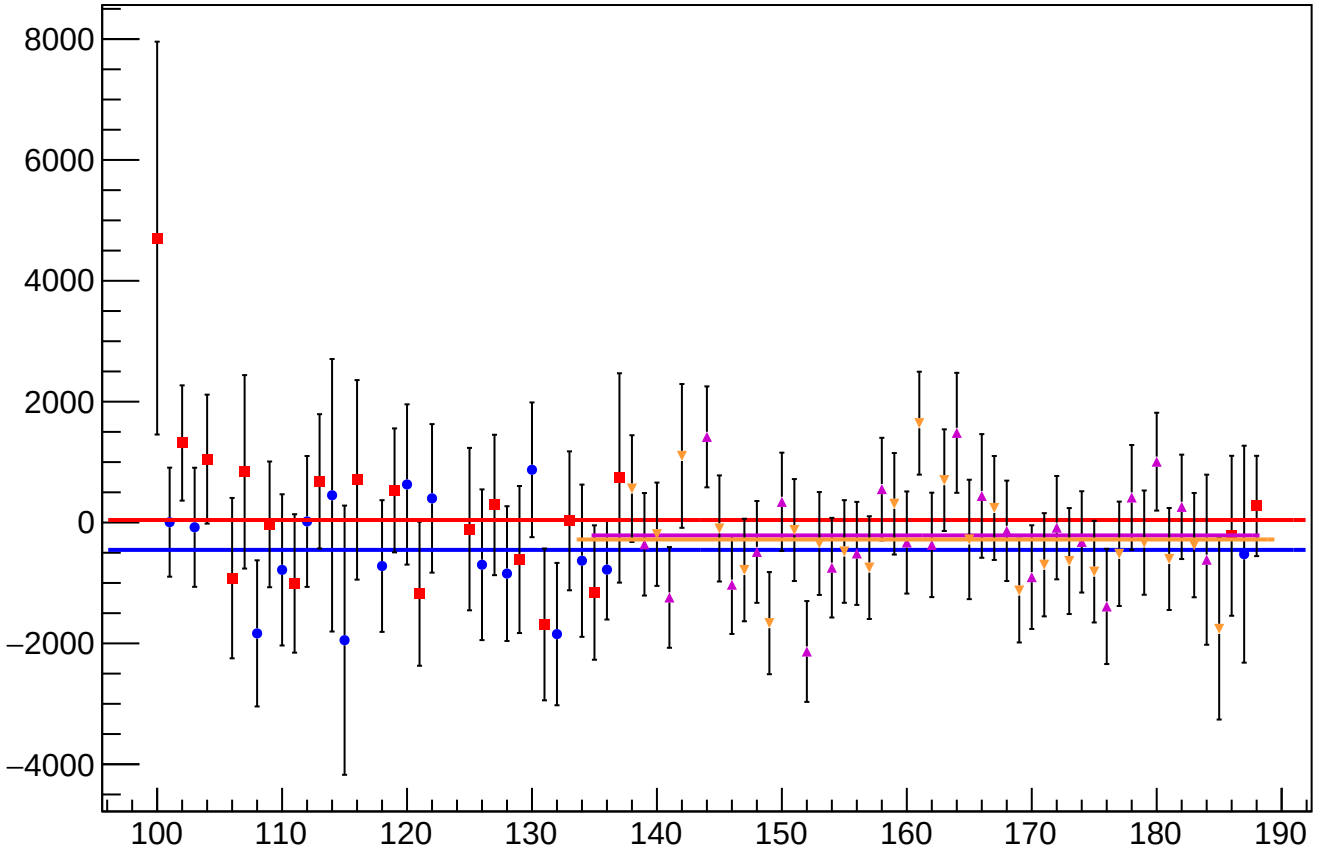
Right: 39.588+/-0.008 χ^2/NDF: 4227465.5/36

In: 48.416+/-0.007 χ^2/NDF:2545679.3/39

Out: 46.404+/-0.007 χ^2/NDF:4281335.7/43

All: 47.355+/-0.005 χ^2/NDF: 6869958.1/83

reg_asym_us_dd_mean vs Slug, Sign Corrected



Right In: -452.793+/-285.278 χ^2/NDF: 6.9/16

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

Right Out: 41.732+/-266.571 χ^2/NDF: 11.8/19

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

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

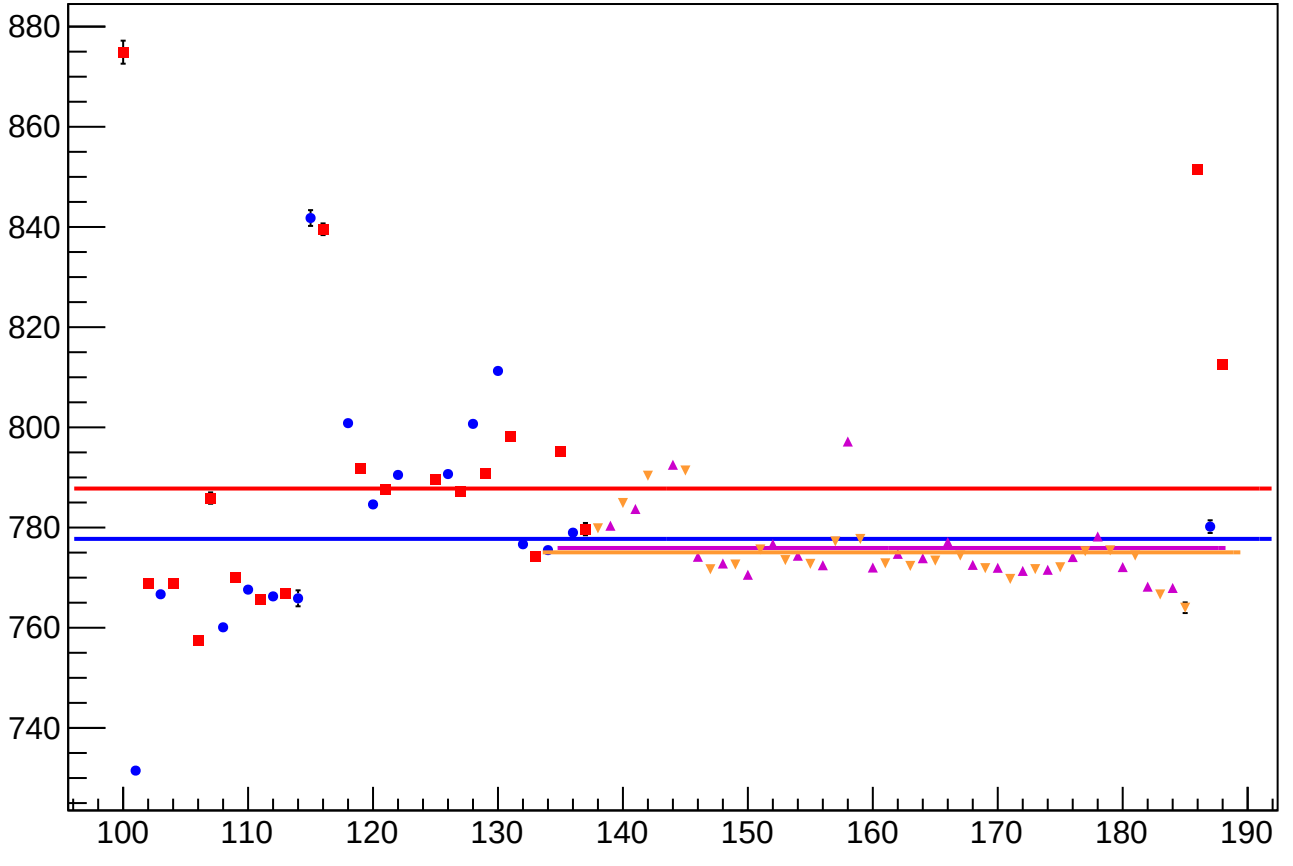
Right: -188.786+/-194.772 χ^2/NDF: 20.4/36

In: -282.218+/-152.935 χ^2/NDF:29.8/39

Out: -179.587+/-149.108 χ^2/NDF:28.9/43

All: -229.602+/-106.763 χ^2/NDF: 58.9/83

reg_asym_us_dd_rms vs Slug, Sign Corrected



Right In: 777.738+/-0.202 χ^2/NDF: 12059.2/16

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

Right Out: 787.787+/-0.188 χ^2/NDF: 14926.1/19

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

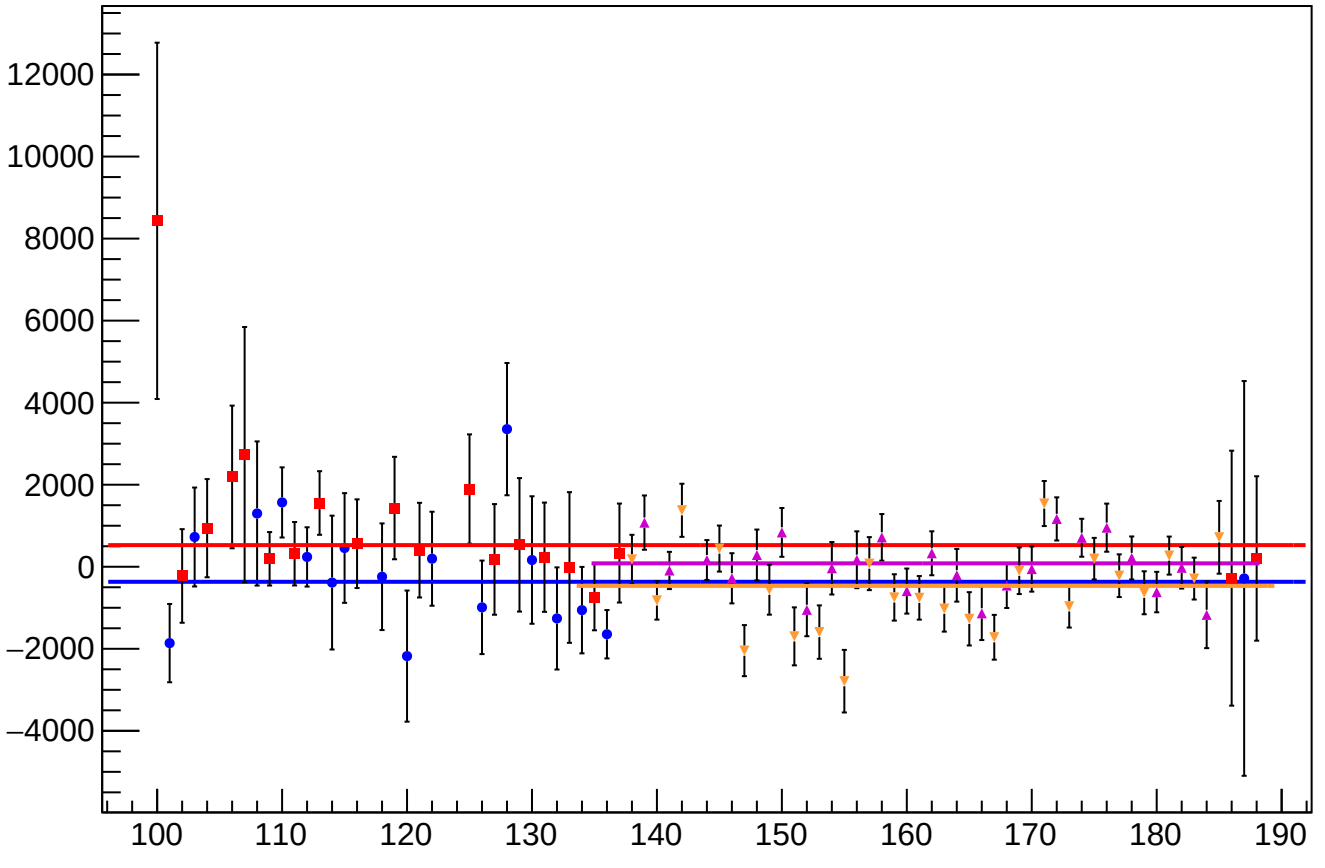
Left: 775.483+/-0.090 χ^2/NDF: 4947.6/46

Right: 783.103+/-0.138 χ^2/NDF: 28310.3/36

In: 776.444+/-0.108 χ^2/NDF:15089.9/39

Out: 779.035+/-0.105 χ^2/NDF:20015.2/43

All: 777.772+/-0.075 χ^2/NDF: 35399.4/83



Right In: -366.756+/-266.290 χ^2/NDF: 23.3/16

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

Right Out: 527.521+/-259.761 χ^2/NDF: 11.8/19

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

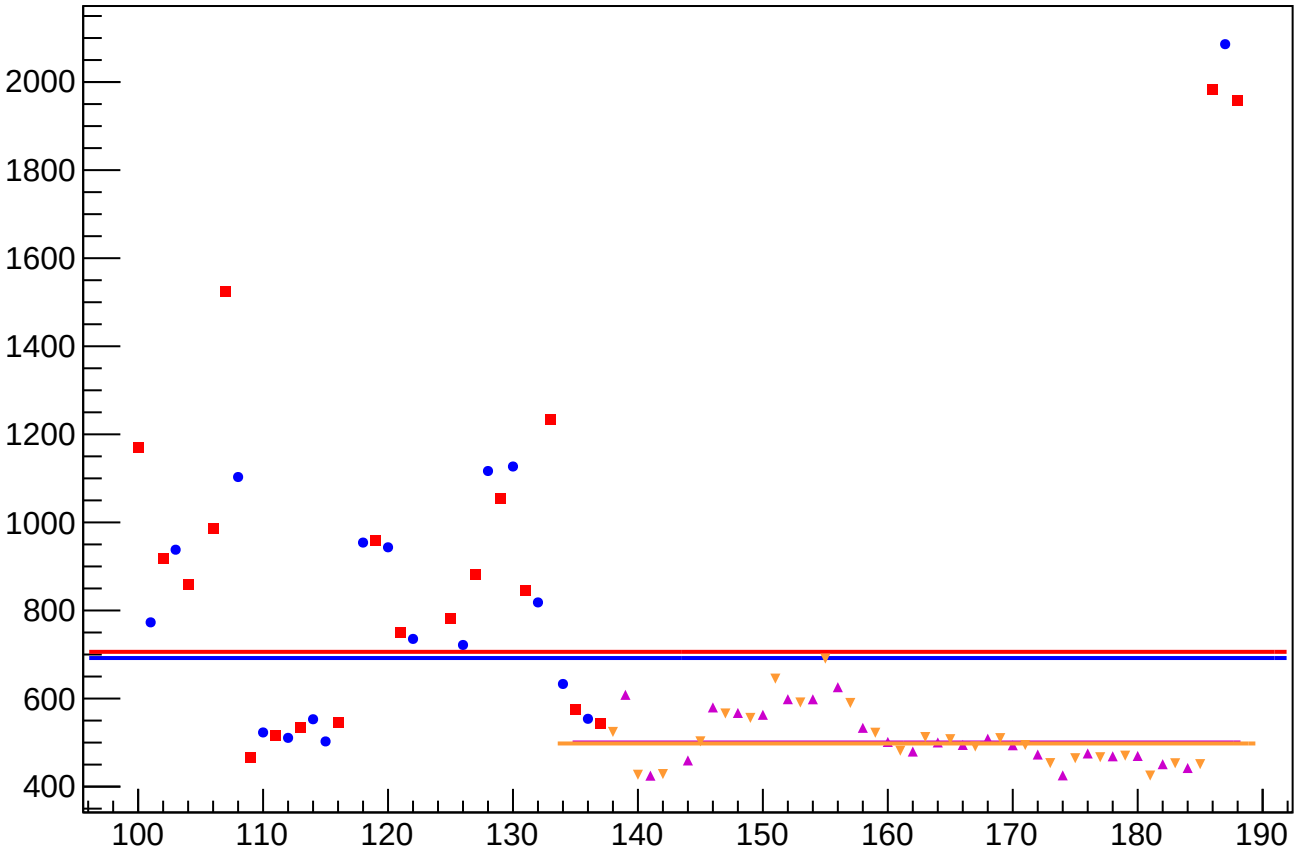
Left: -194.569+/-82.913 χ^2/NDF: 103.6/46

Right: 91.479+/-185.944 χ^2/NDF: 40.8/36

In: 9.511+/-107.736 χ^2/NDF:53.8/39

Out: -300.078+/-106.460 χ^2/NDF:88.4/43

All: -147.127+/-75.726 χ^2/NDF: 146.4/83



Right In: 691.999+/-0.188 χ^2/NDF: 1200290.1/16

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

Right Out: 706.088+/-0.184 χ^2/NDF: 2457821.7/19

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

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

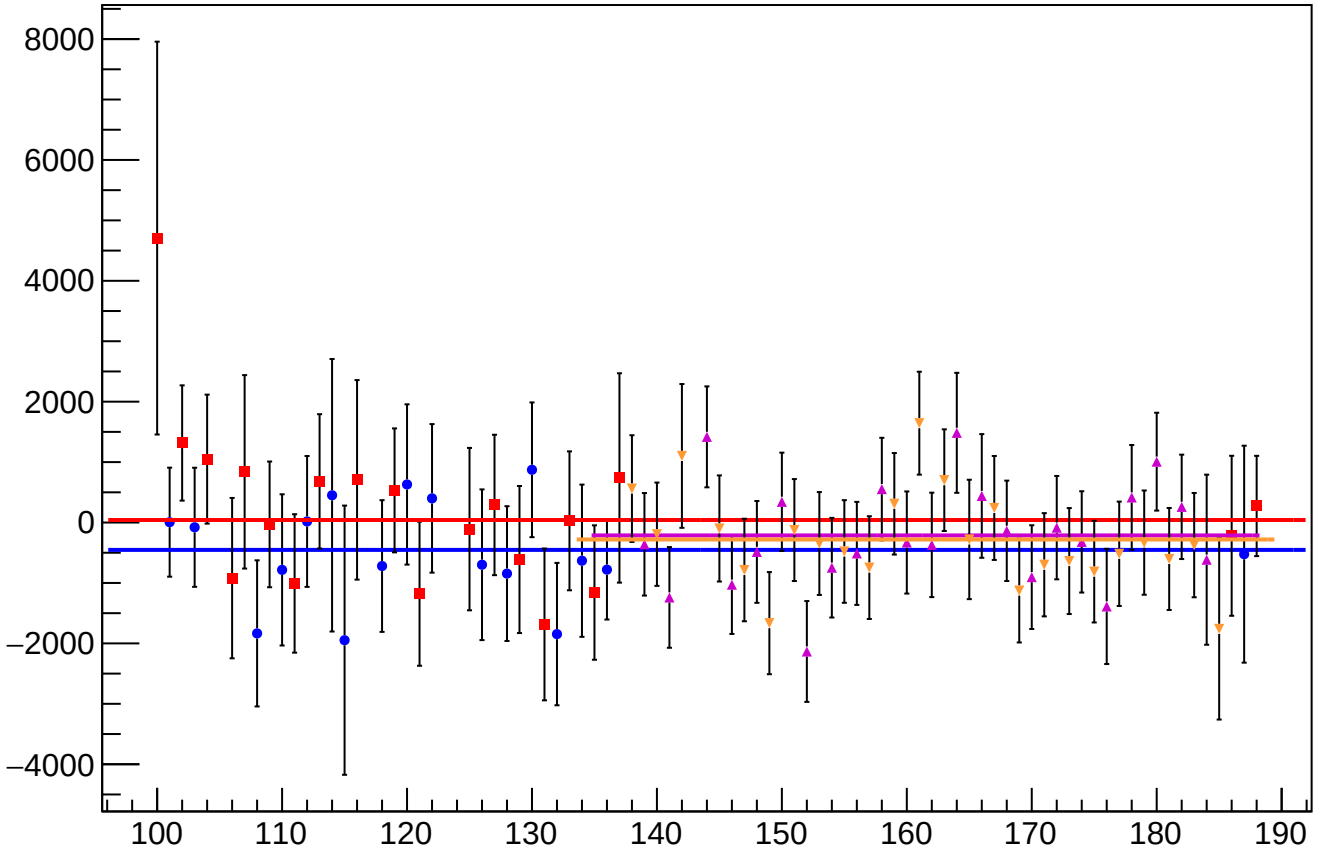
Right: 699.219+/-0.131 χ^2/NDF: 3660980.5/36

In: 531.684+/-0.076 χ^2/NDF:2544445.1/39

Out: 532.924+/-0.075 χ^2/NDF:4053029.9/43

All: 532.311+/-0.054 χ^2/NDF: 6597609.0/83

cor_asym_us_dd_mean vs Slug, Sign Corrected



Right In: -452.793+/-285.278 χ^2/NDF: 6.9/16

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

Right Out: 41.732+/-266.571 χ^2/NDF: 11.8/19

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

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

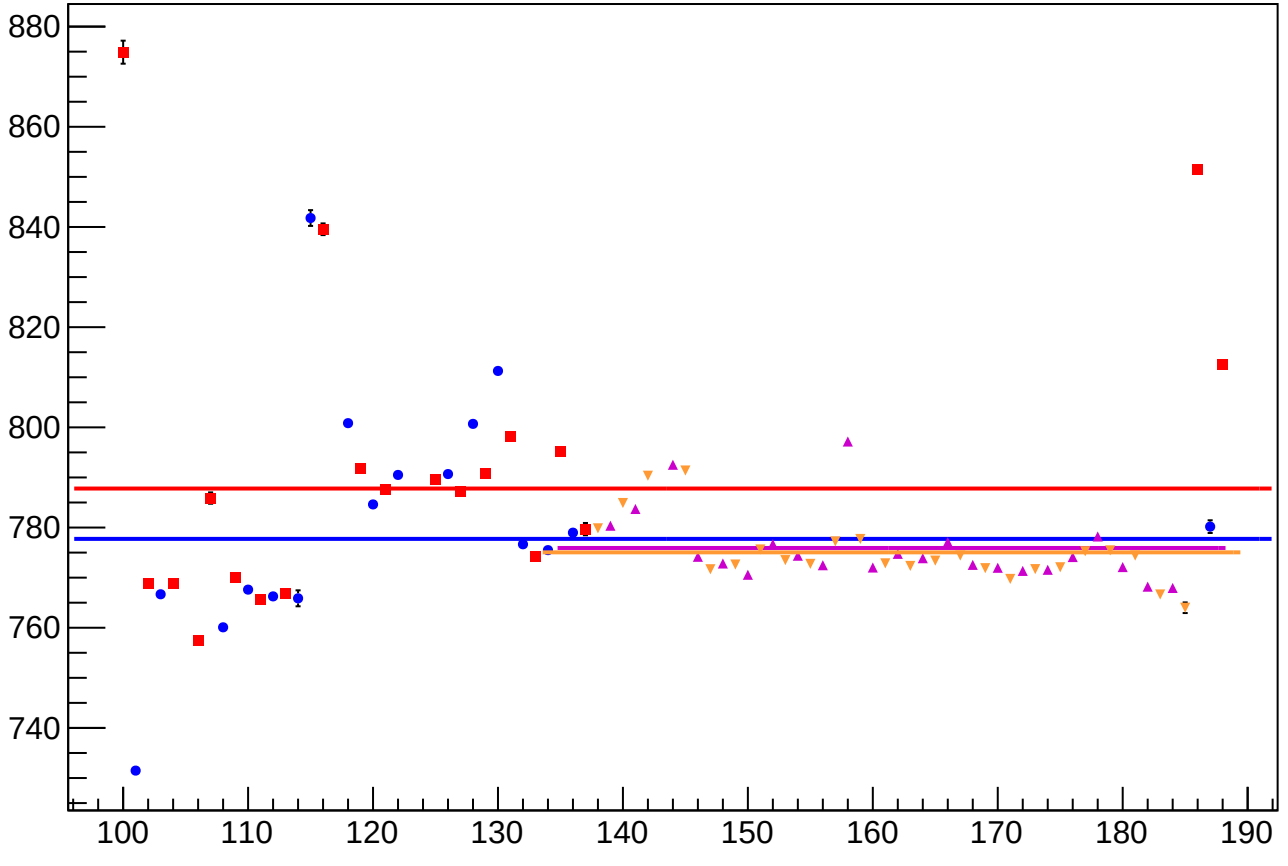
Right: -188.786+/-194.772 χ^2/NDF: 20.4/36

In: -282.218+/-152.935 χ^2/NDF:29.8/39

Out: -179.587+/-149.108 χ^2/NDF:28.9/43

All: -229.602+/-106.763 χ^2/NDF: 58.9/83

cor_asym_us_dd_rms vs Slug, Sign Corrected



Right In: 777.738+/-0.202 χ^2/NDF: 12059.2/16

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

Right Out: 787.787+/-0.188 χ^2/NDF: 14926.1/19

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

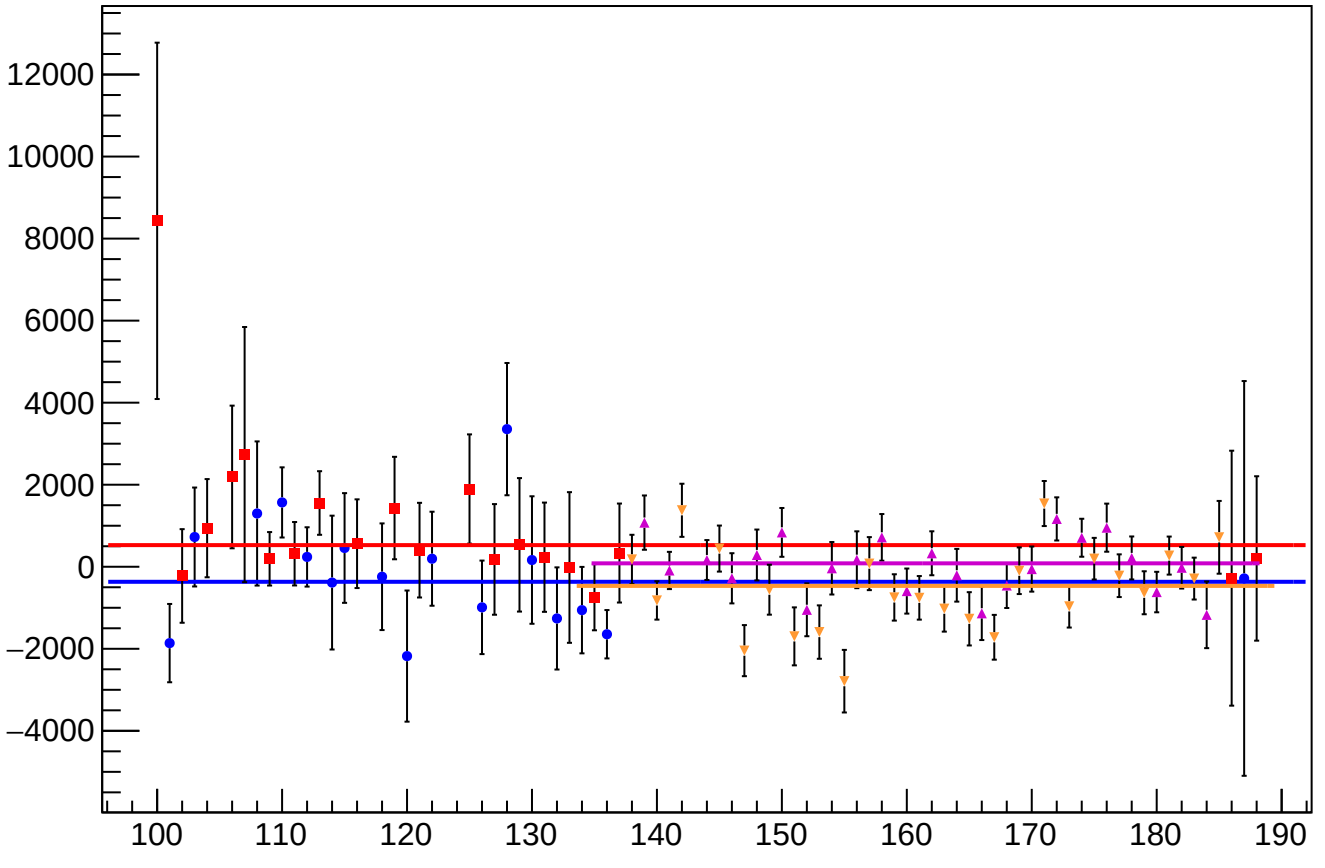
Left: 775.483+/-0.090 χ^2/NDF: 4947.6/46

Right: 783.103+/-0.138 χ^2/NDF: 28310.3/36

In: 776.444+/-0.108 χ^2/NDF:15089.9/39

Out: 779.035+/-0.105 χ^2/NDF:20015.2/43

All: 777.772+/-0.075 χ^2/NDF: 35399.4/83



Right In: -366.756+/-266.290 χ^2/NDF: 23.3/16

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

Right Out: 527.521+/-259.761 χ^2/NDF: 11.8/19

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

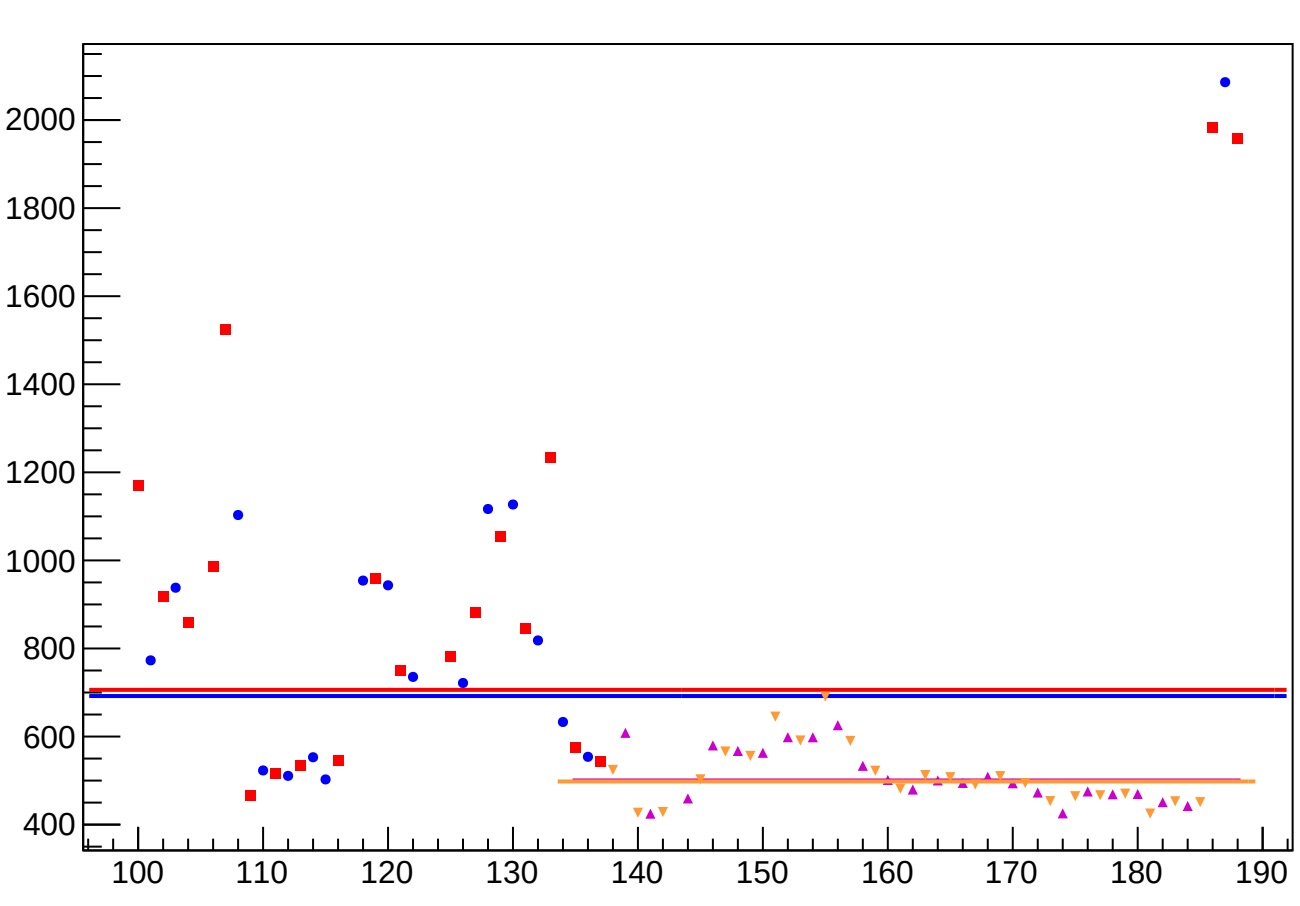
Left: -194.569+/-82.913 χ^2/NDF: 103.6/46

Right: 91.479+/-185.944 χ^2/NDF: 40.8/36

In: 9.511+/-107.736 χ^2/NDF:53.8/39

Out: -300.078+/-106.460 χ^2/NDF:88.4/43

All: -147.127+/-75.726 χ^2/NDF: 146.4/83



Right In: 691.999+/-0.188 χ^2/NDF: 1200290.1/16

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

Right Out: 706.088+/-0.184 χ^2/NDF: 2457821.7/19

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

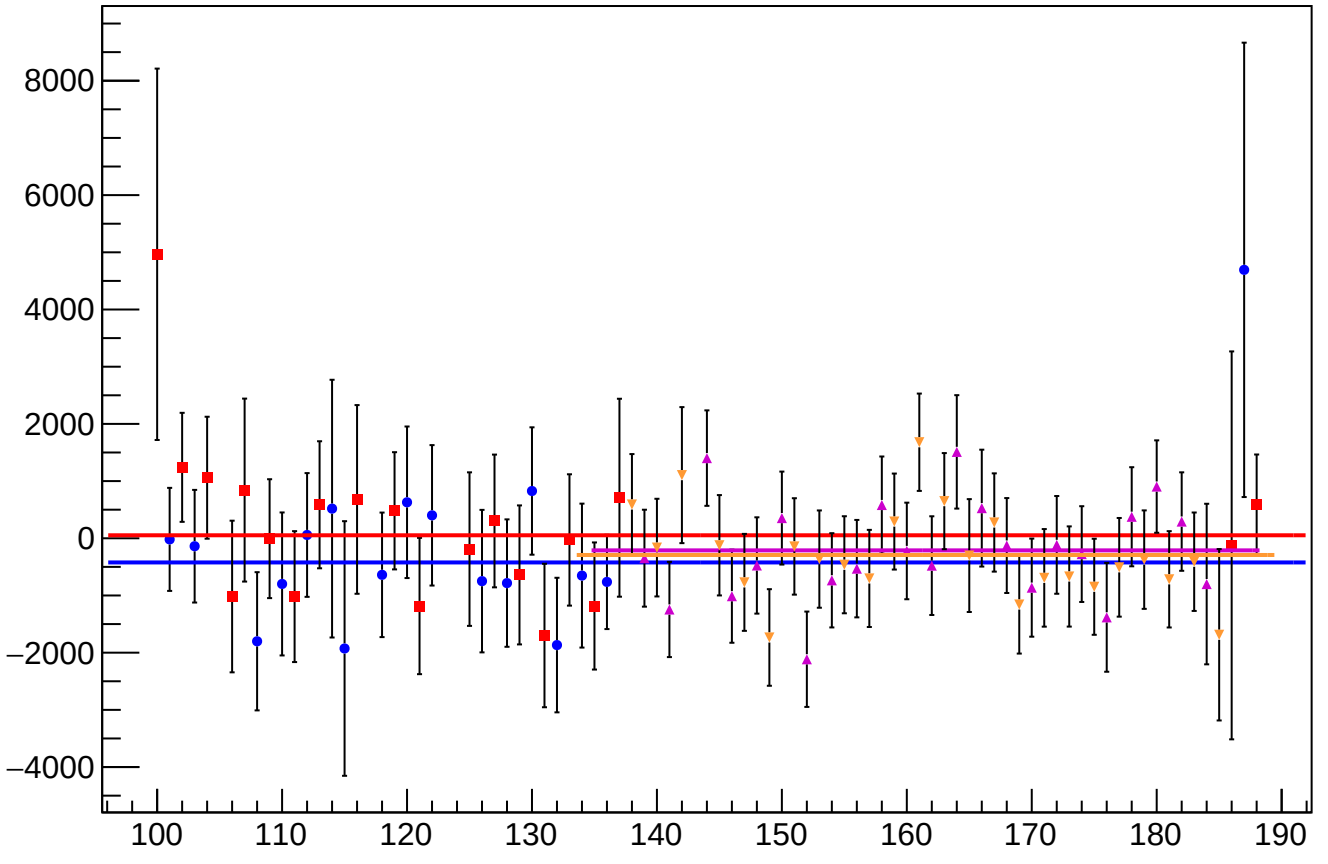
Left: 499.125+/-0.059 χ^2/NDF: 1004780.2/46

Right: 699.219+/-0.131 χ^2/NDF: 3660980.5/36

In: 531.684+/-0.076 χ^2/NDF:2544445.1/39

Out: 532.924+/-0.075 χ^2/NDF:4053029.9/43

All: 532.311+/-0.054 χ^2/NDF: 6597609.0/83



Right In: -422.414+/-287.909 χ^2/NDF: 8.4/16

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

Right Out: 52.562+/-272.478 χ^2/NDF: 12.3/19

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

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

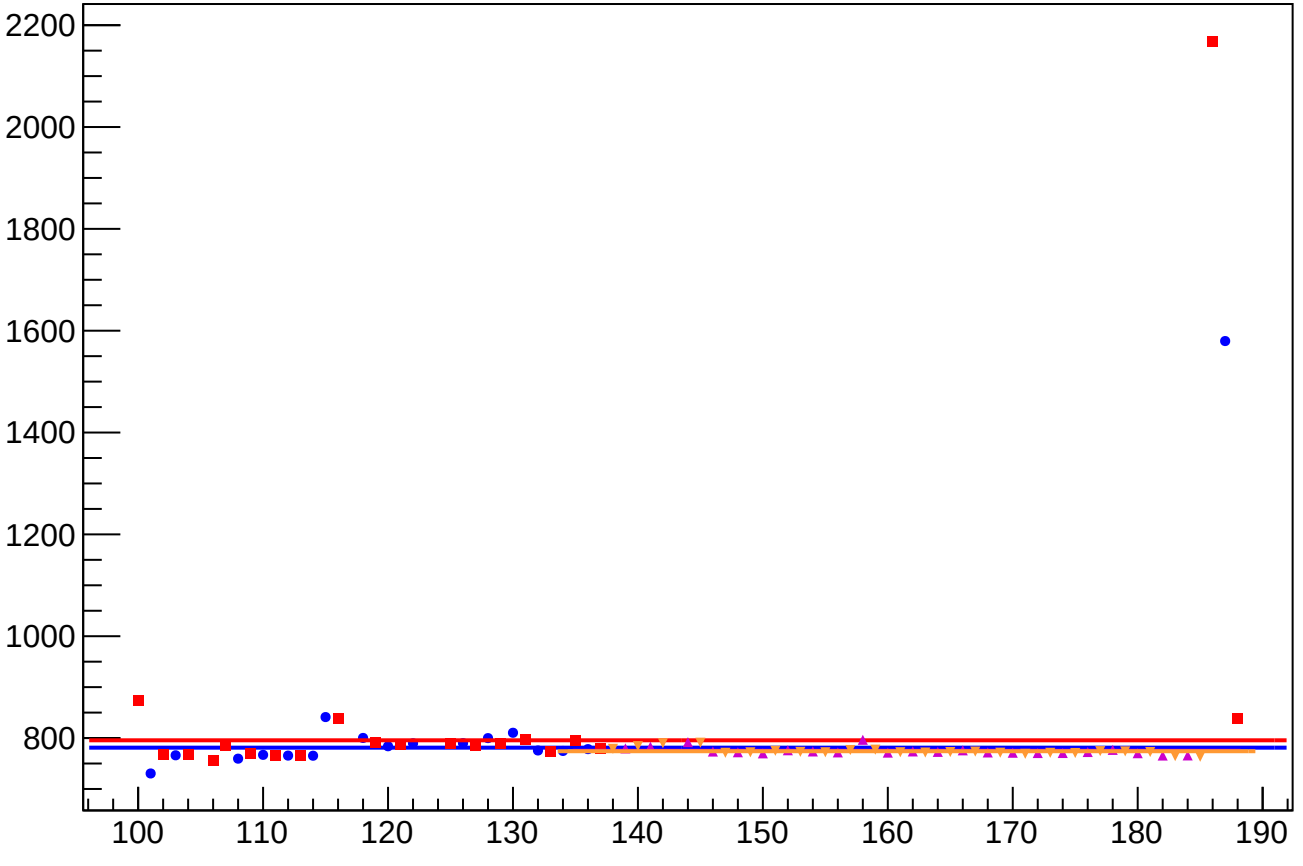
Right: -171.857+/-197.902 χ^2/NDF: 22.1/36

In: -271.035+/-153.204 χ^2/NDF:30.9/39

Out: -187.610+/-149.996 χ^2/NDF:30.0/43

All: -228.440+/-107.180 χ^2/NDF: 61.1/83

overload_cor_asym_us_dd_rms vs Slug, Sign Corrected



Right In: 781.130+/-0.204 χ^2/NDF: 93378.8/16

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

Right Out: 795.597+/-0.193 χ^2/NDF: 344651.9/19

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

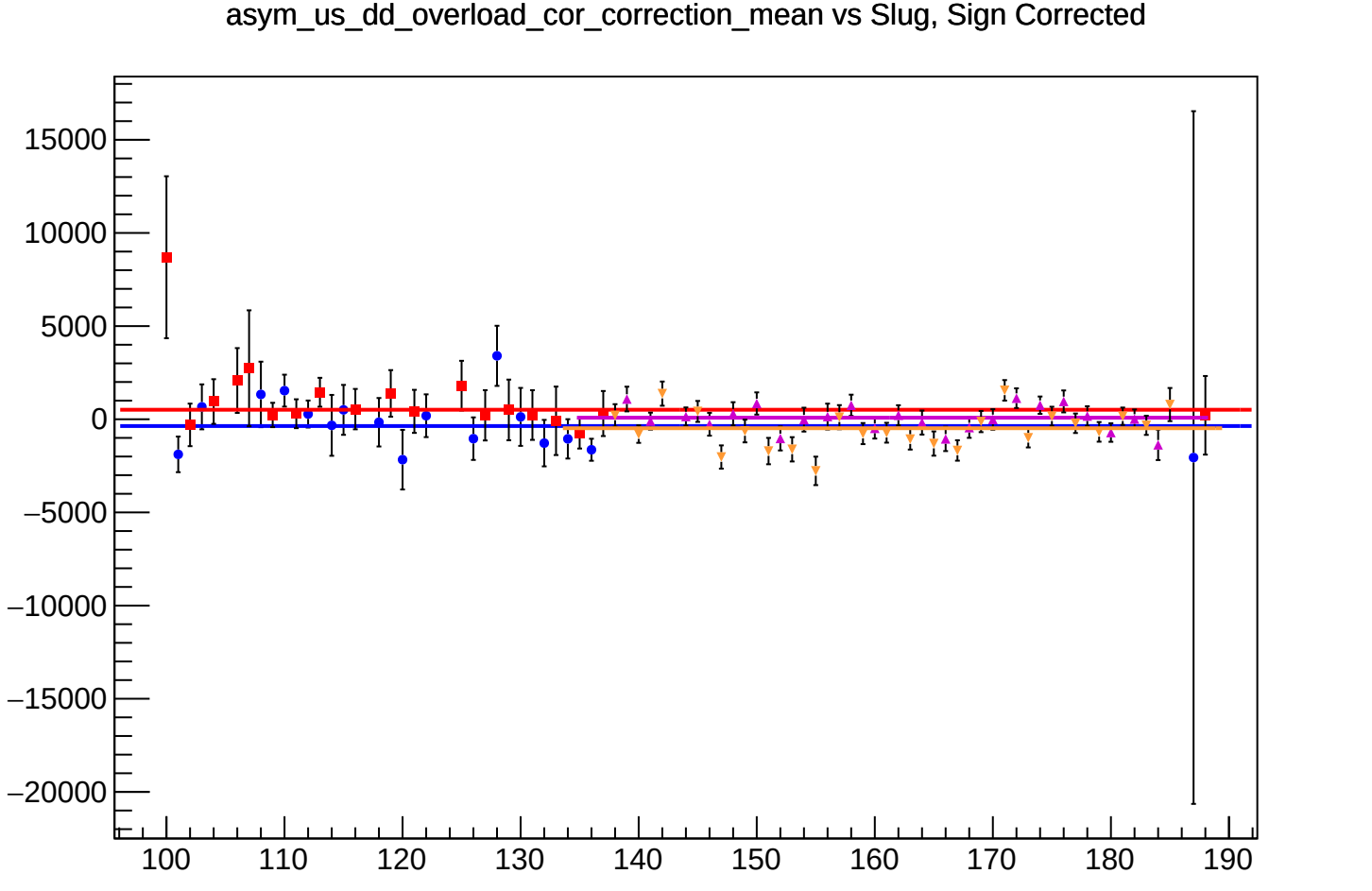
Left: 774.563+/-0.090 χ^2/NDF: 5230.7/46

Right: 788.761+/-0.140 χ^2/NDF: 440694.4/36

In: 776.728+/-0.108 χ^2/NDF:97179.2/39

Out: 780.643+/-0.106 χ^2/NDF:355354.5/43

All: 778.727+/-0.076 χ^2/NDF: 453200.5/83



Right In: -363.160+/-267.058 χ^2/NDF: 23.4/16

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

Right Out: 510.647+/-261.275 χ^2/NDF: 11.4/18

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

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

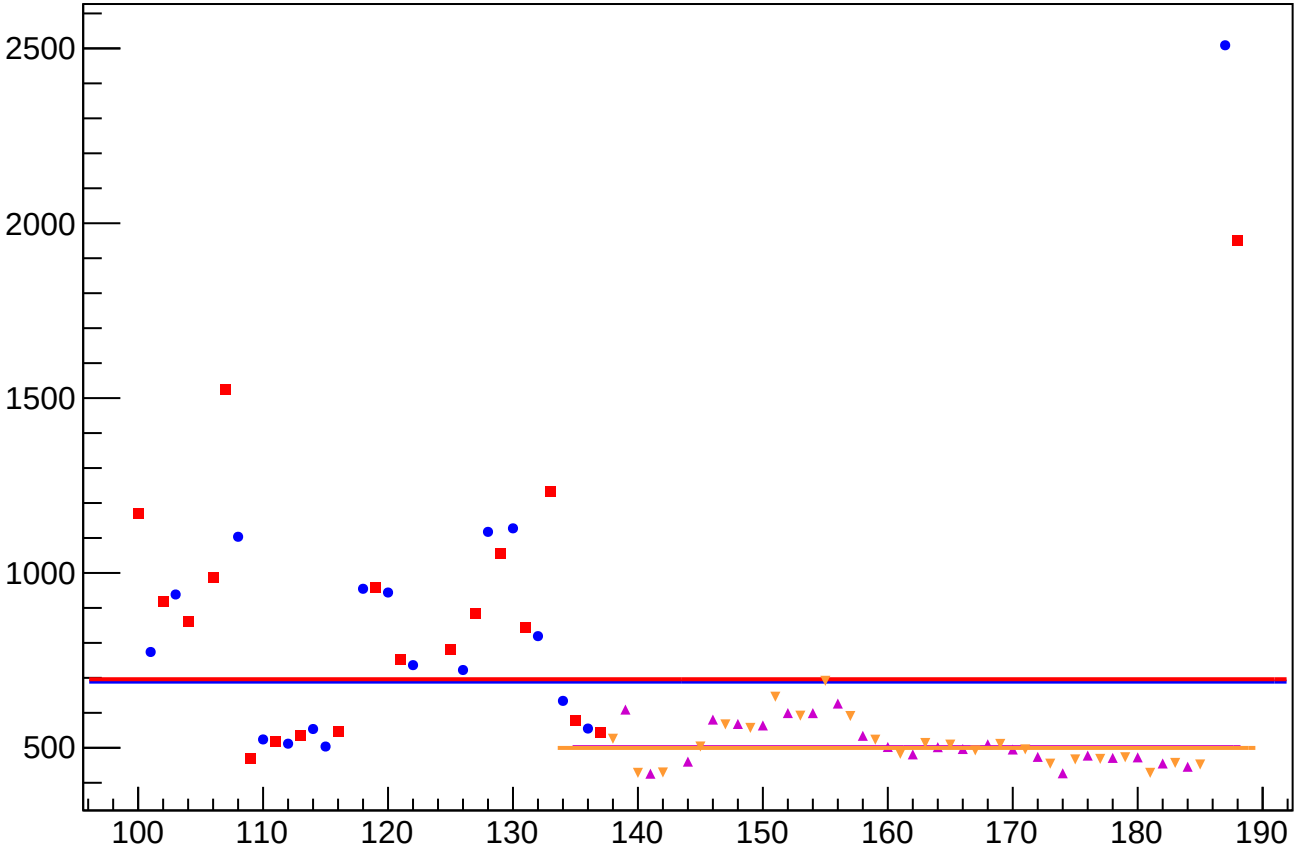
Right: 83.306+/-186.760 χ^2/NDF: 40.3/35

In: 10.086+/-108.082 χ^2/NDF:53.9/39

Out: -315.407+/-106.852 χ^2/NDF:86.9/42

All: -154.523+/-75.987 χ^2/NDF: 145.5/82

asym_us_dd_overload_cor_correction_rms vs Slug, Sign Corrected



Right In: 689.204+/-0.189 χ^2/NDF: 1047287.8/16

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

Right Out: 696.126+/-0.185 χ^2/NDF: 2027319.7/18

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

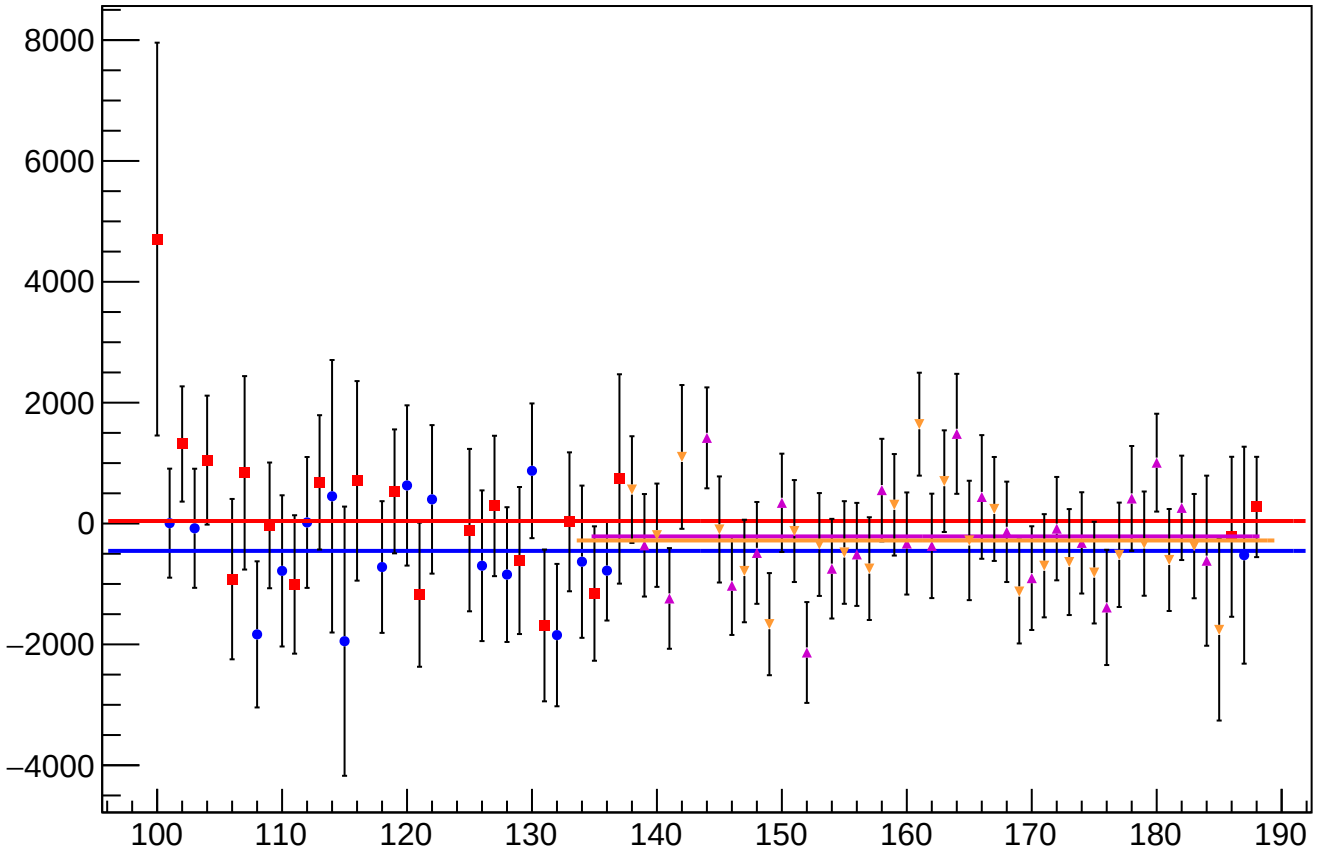
Left: 500.837+/-0.059 χ^2/NDF: 984164.9/46

Right: 692.741+/-0.132 χ^2/NDF: 3075294.1/35

In: 532.685+/-0.076 χ^2/NDF:2336303.0/39

Out: 532.527+/-0.076 χ^2/NDF:3485264.5/42

All: 532.605+/-0.054 χ^2/NDF: 5821569.6/82



Right In: -452.793+/-285.278 χ^2/NDF: 6.9/16

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

Right Out: 41.732+/-266.571 χ^2/NDF: 11.8/19

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

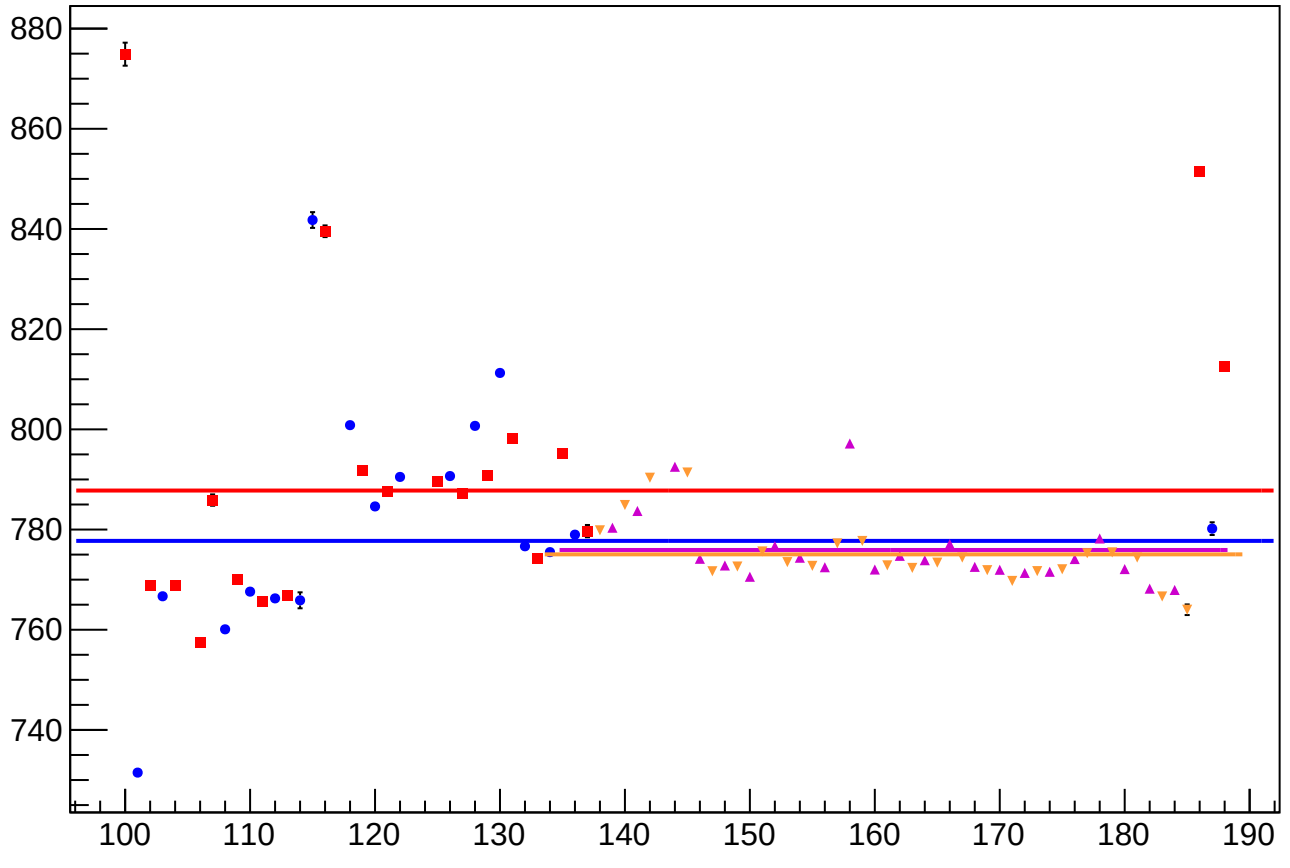
Left: -247.133+/-127.647 χ^2/NDF: 38.5/46

Right: -188.786+/-194.772 χ^2/NDF: 20.4/36

In: -282.218+/-152.935 χ^2/NDF:29.8/39

Out: -179.587+/-149.108 χ^2/NDF:28.9/43

All: -229.602+/-106.763 χ^2/NDF: 58.9/83



Right In: 777.738+/-0.202 χ^2/NDF: 12059.2/16

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

Right Out: 787.787+/-0.188 χ^2/NDF: 14926.1/19

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

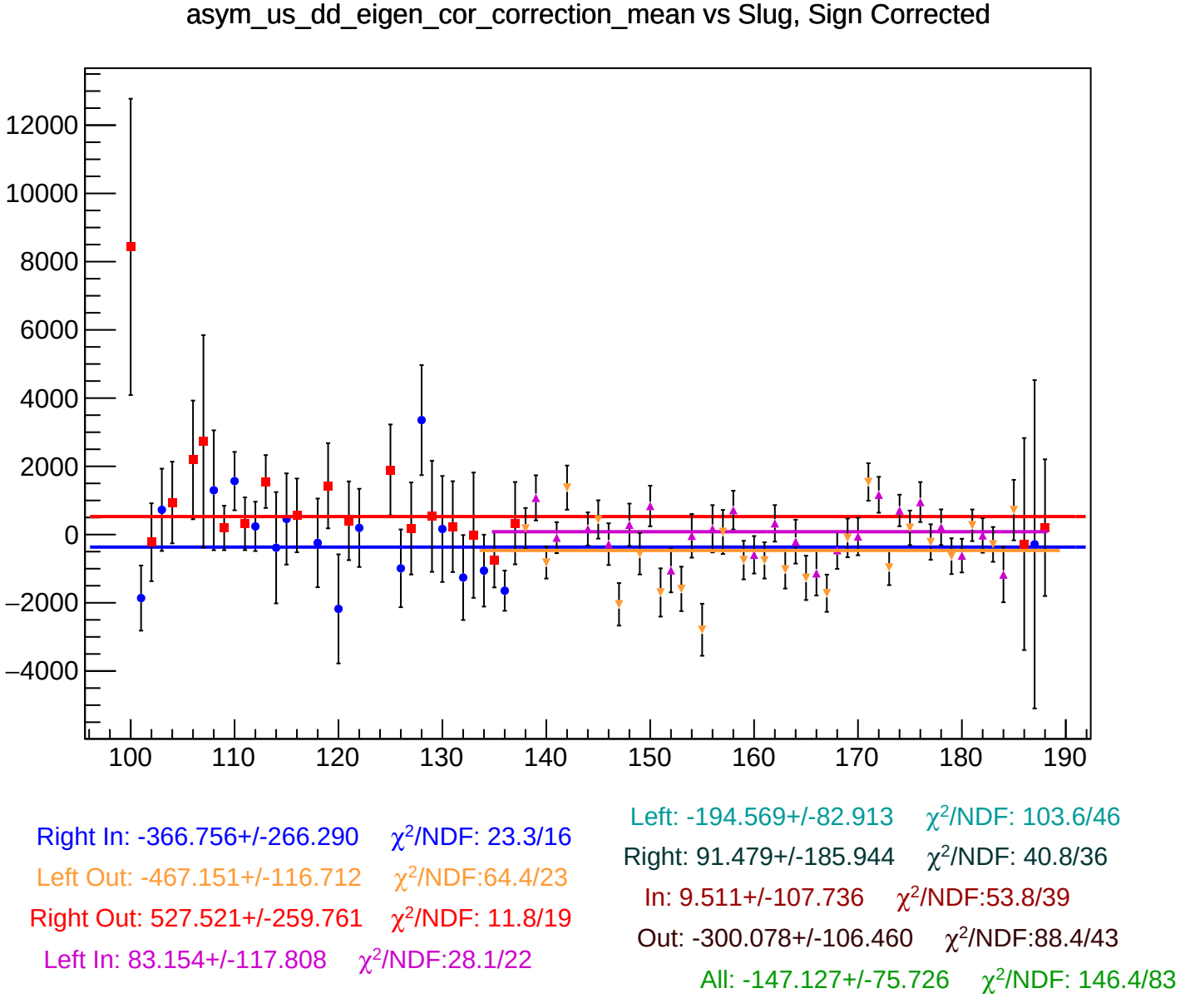
Left: 775.483+/-0.090 χ^2/NDF: 4947.6/46

Right: 783.103+/-0.138 χ^2/NDF: 28310.3/36

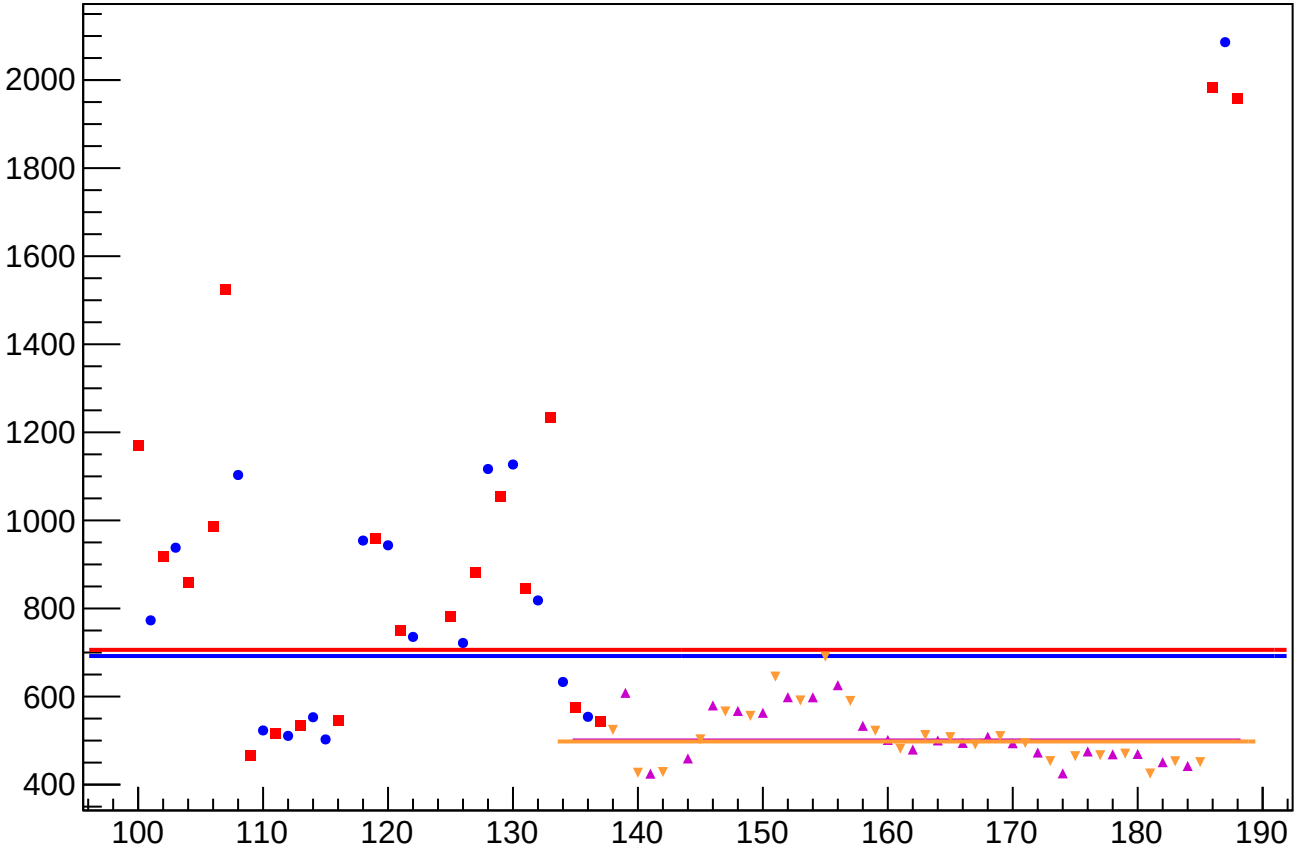
In: 776.444+/-0.108 χ^2/NDF:15089.9/39

Out: 779.035+/-0.105 χ^2/NDF:20015.2/43

All: 777.772+/-0.075 χ^2/NDF: 35399.4/83


asym_us_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
12000
10000
8000
6000
4000
2000
0
−2000
−4000
100
110
120
130
140
150
160
170
180
190
Right In: -366.756+/-266.290 χ²/NDF: 23.3/16
Left Out: -467.151+/-116.712 χ²/NDF:64.4/23
Right Out: 527.521+/-259.761 χ²/NDF: 11.8/19
Left In: 83.154+/-117.808 χ²/NDF:28.1/22
Left: -194.569+/-82.913 χ²/NDF: 103.6/46
Right: 91.479+/-185.944 χ²/NDF: 40.8/36
In: 9.511+/-107.736 χ²/NDF:53.8/39
Out: -300.078+/-106.460 χ²/NDF:88.4/43
All: -147.127+/-75.726 χ²/NDF: 146.4/83

asym_us_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 691.999+/-0.188 χ^2/NDF: 1200290.1/16

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

Right Out: 706.088+/-0.184 χ^2/NDF: 2457821.7/19

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

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

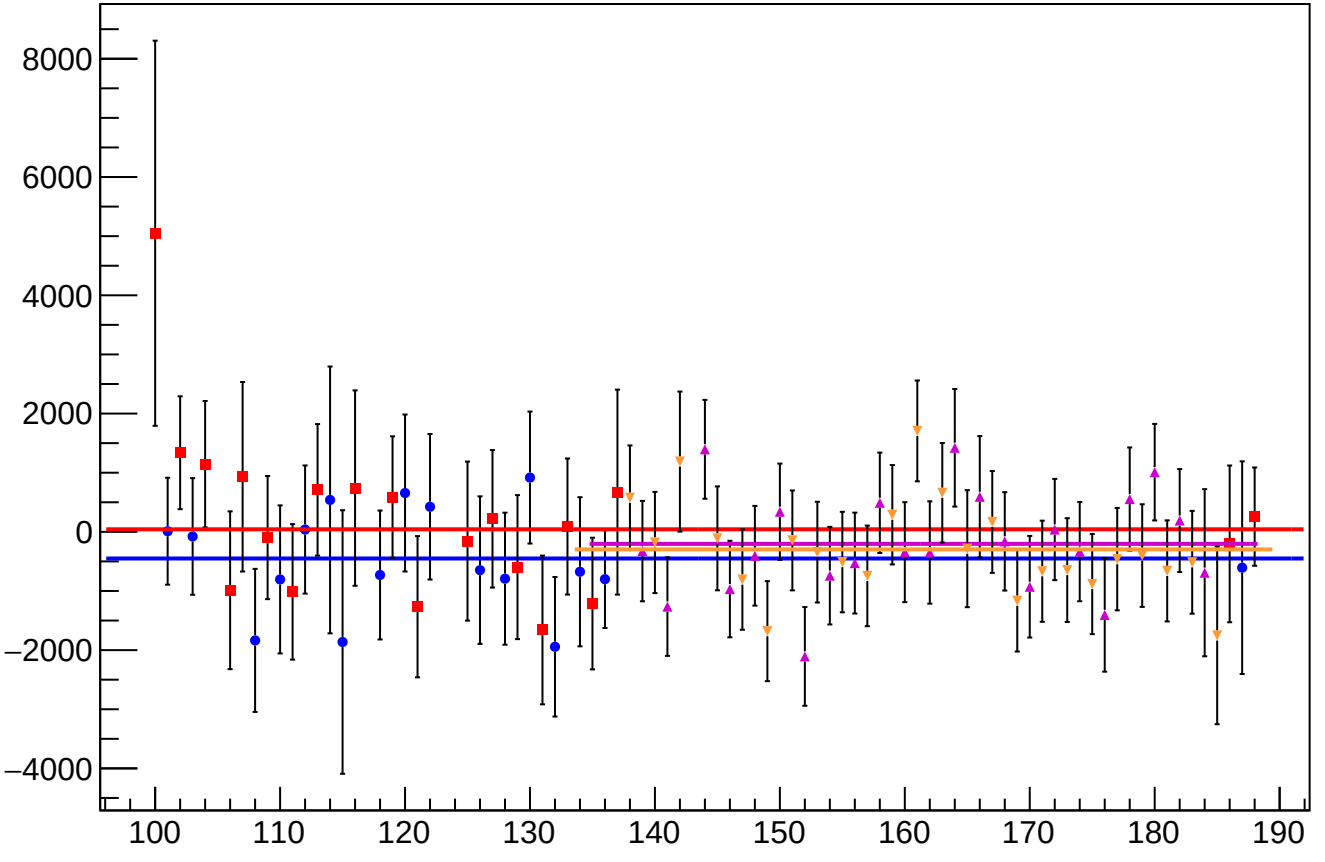
Right: 699.219+/-0.131 χ^2/NDF: 3660980.5/36

In: 531.684+/-0.076 χ^2/NDF:2544445.1/39

Out: 532.924+/-0.075 χ^2/NDF:4053029.9/43

All: 532.311+/-0.054 χ^2/NDF: 6597609.0/83

dit_asym_us_dd_mean vs Slug, Sign Corrected



Right In: -450.674+/-285.568 χ^2/NDF: 7.3/16

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

Right Out: 42.970+/-266.850 χ^2/NDF: 12.7/19

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

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

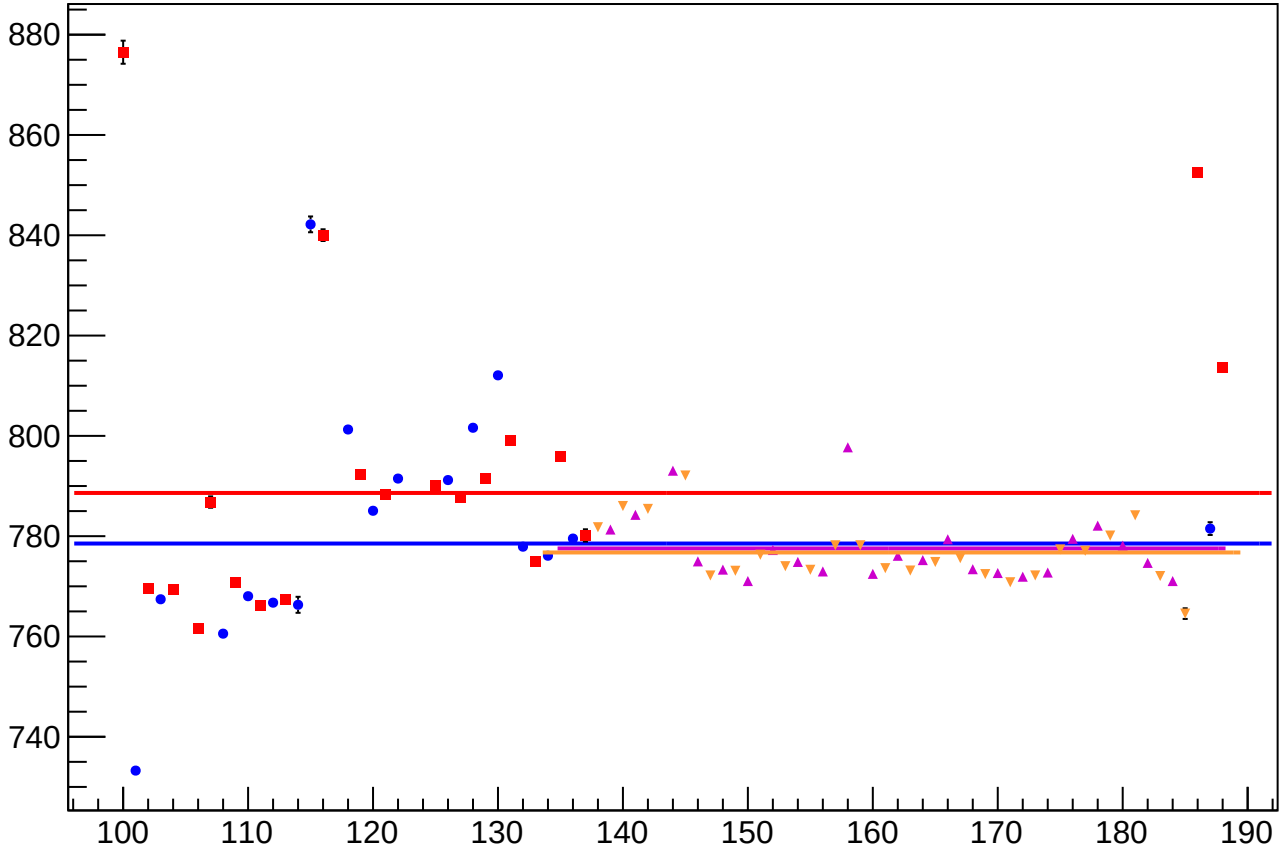
Right: -187.146+/-194.973 χ^2/NDF: 21.6/36

In: -274.531+/-153.208 χ^2/NDF:29.9/39

Out: -190.302+/-149.384 χ^2/NDF:30.5/43

All: -231.352+/-106.957 χ^2/NDF: 60.6/83

dit_asym_us_dd_rms vs Slug, Sign Corrected



Right In: 778.533+/-0.202 χ^2/NDF: 11800.8/16

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

Right Out: 788.619+/-0.189 χ^2/NDF: 14822.6/19

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

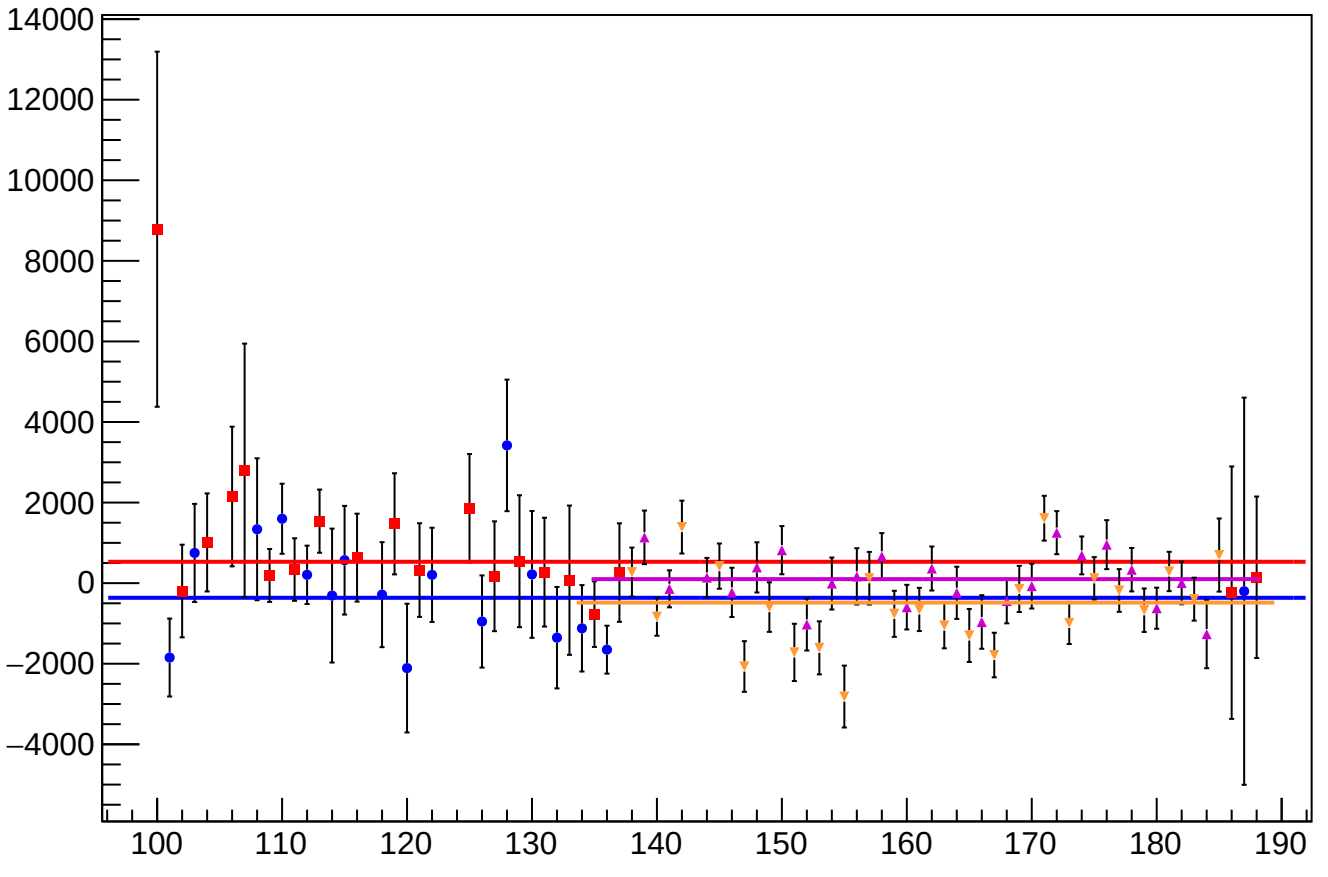
Left: 777.147+/-0.090 χ^2/NDF: 4596.6/46

Right: 783.917+/-0.138 χ^2/NDF: 27955.3/36

In: 777.833+/-0.108 χ^2/NDF:14568.4/39

Out: 780.470+/-0.106 χ^2/NDF:19365.1/43

All: 779.185+/-0.076 χ^2/NDF: 34237.4/83



Right In: -363.464+/-268.894 χ^2/NDF: 23.3/16

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

Right Out: 530.643+/-262.059 χ^2/NDF: 11.9/19

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

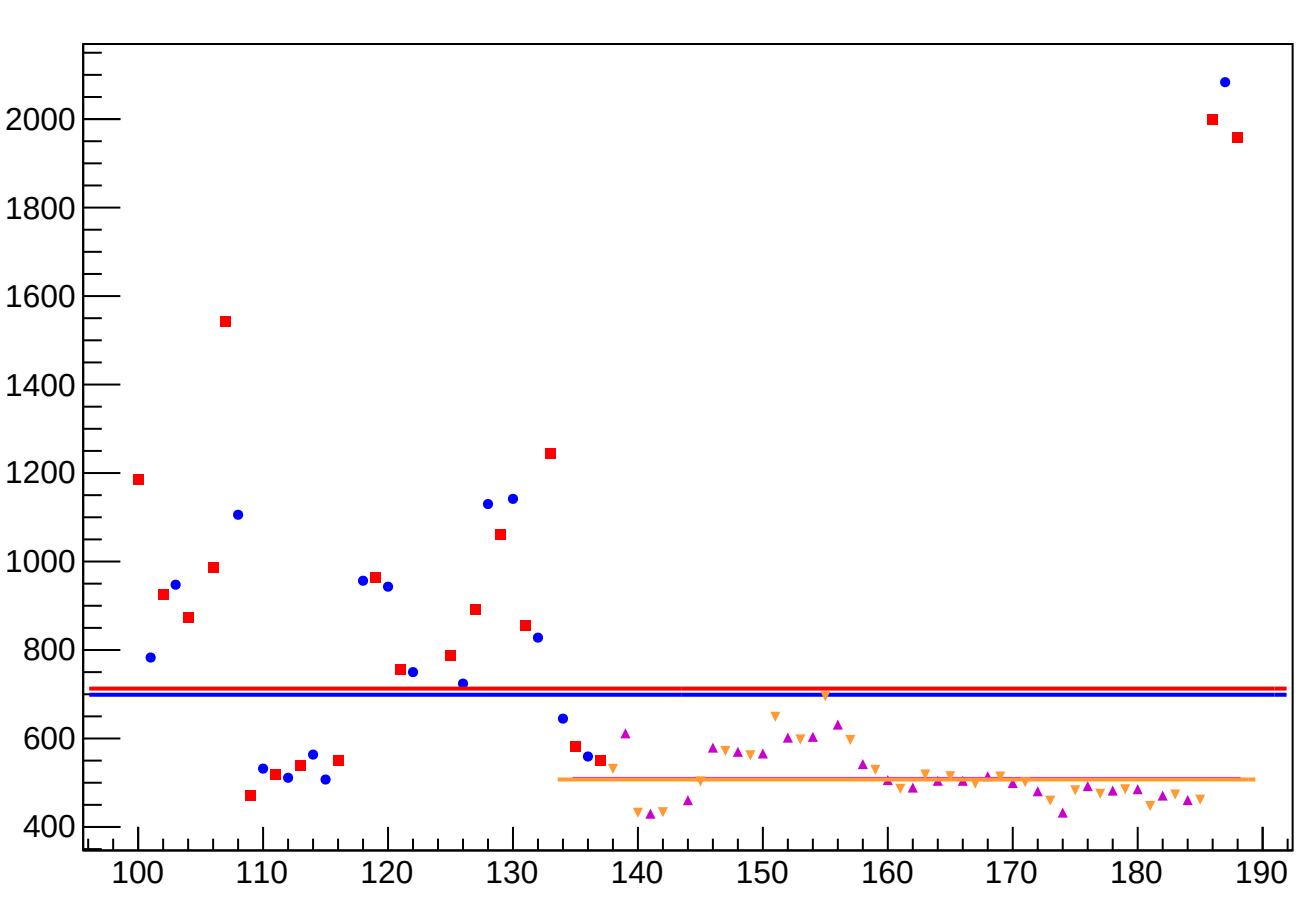
Left: -193.580+/-84.314 χ^2/NDF: 104.5/46

Right: 95.097+/-187.673 χ^2/NDF: 40.9/36

In: 23.360+/-109.336 χ^2/NDF:53.2/39

Out: -310.090+/-108.205 χ^2/NDF:89.4/43

All: -145.099+/-76.909 χ^2/NDF: 147.3/83



Right In: 698.872+/-0.190 χ^2/NDF: 1196468.2/16

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

Right Out: 712.781+/-0.185 χ^2/NDF: 2448198.2/19

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

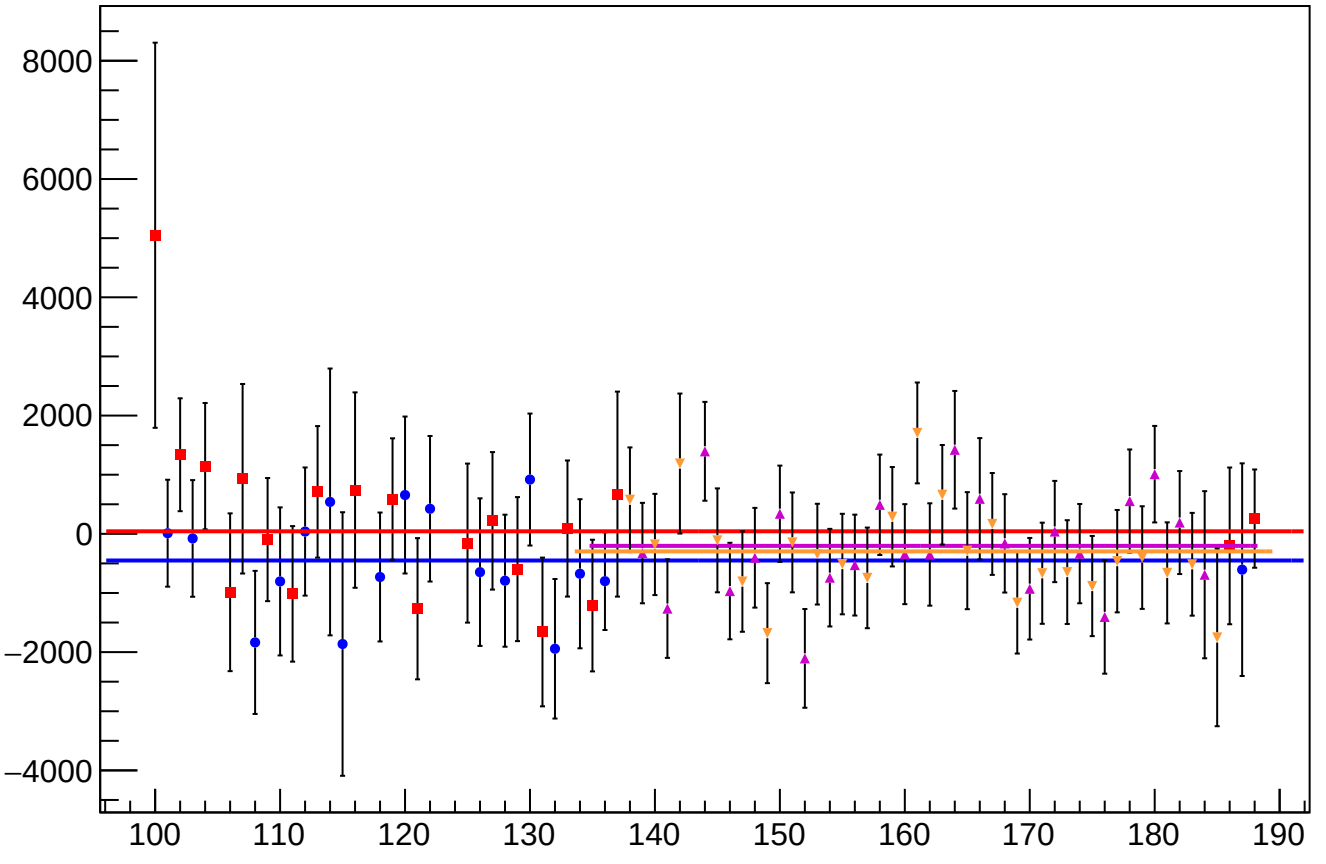
Left: 507.974+/-0.060 χ^2/NDF: 906551.9/46

Right: 706.005+/-0.133 χ^2/NDF: 3647411.0/36

In: 540.091+/-0.077 χ^2/NDF:2464429.9/39

Out: 542.348+/-0.077 χ^2/NDF:3941984.8/43

All: 541.231+/-0.054 χ^2/NDF: 6406845.3/83



Right In: -450.674+/-285.567 χ^2/NDF: 7.3/16

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

Right Out: 42.969+/-266.850 χ^2/NDF: 12.7/19

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

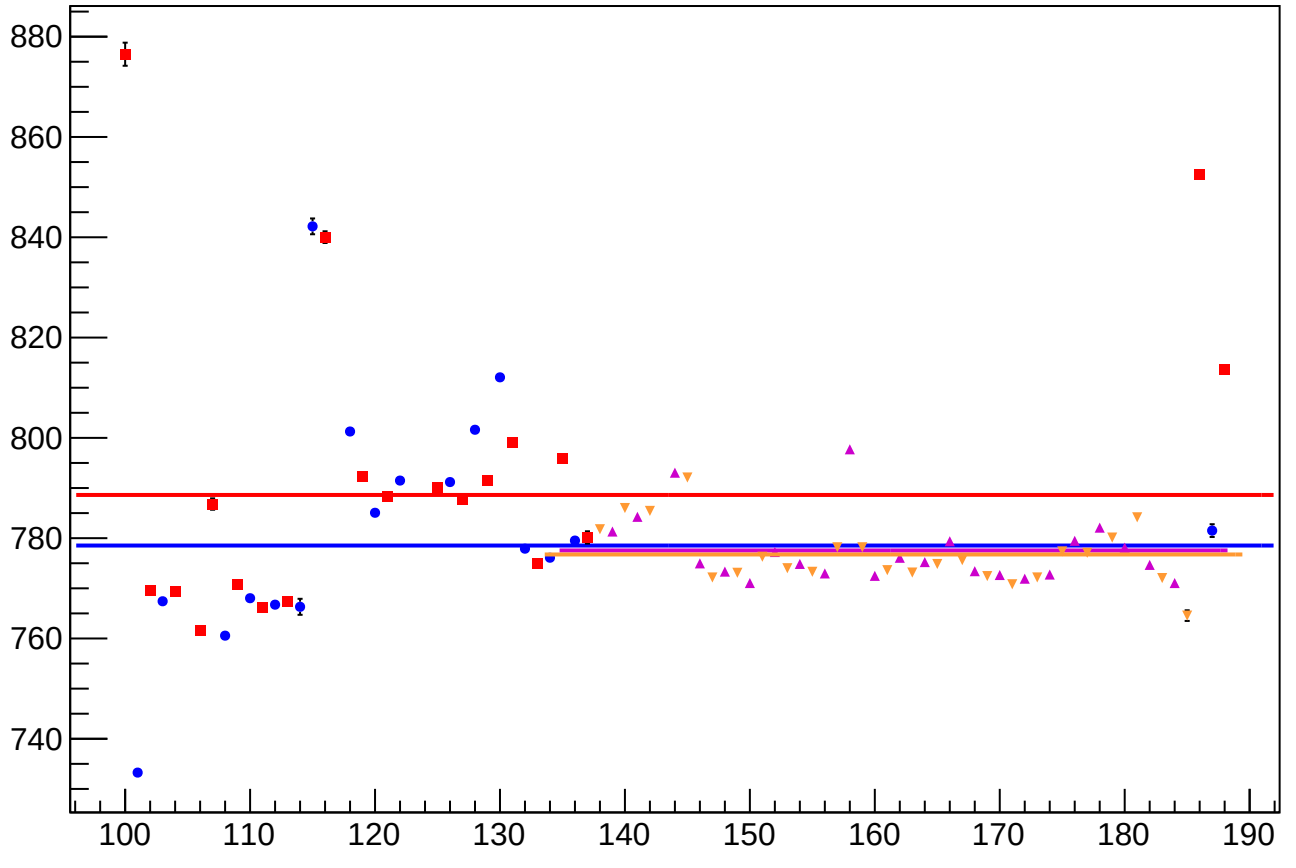
Left: -250.382+/-127.923 χ^2/NDF: 38.9/46

Right: -187.146+/-194.973 χ^2/NDF: 21.6/36

In: -274.530+/-153.208 χ^2/NDF:29.9/39

Out: -190.302+/-149.384 χ^2/NDF:30.5/43

All: -231.352+/-106.957 χ^2/NDF: 60.6/83



Right In: 778.533+/-0.202 χ^2/NDF: 11800.8/16

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

Right Out: 788.619+/-0.189 χ^2/NDF: 14822.6/19

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

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

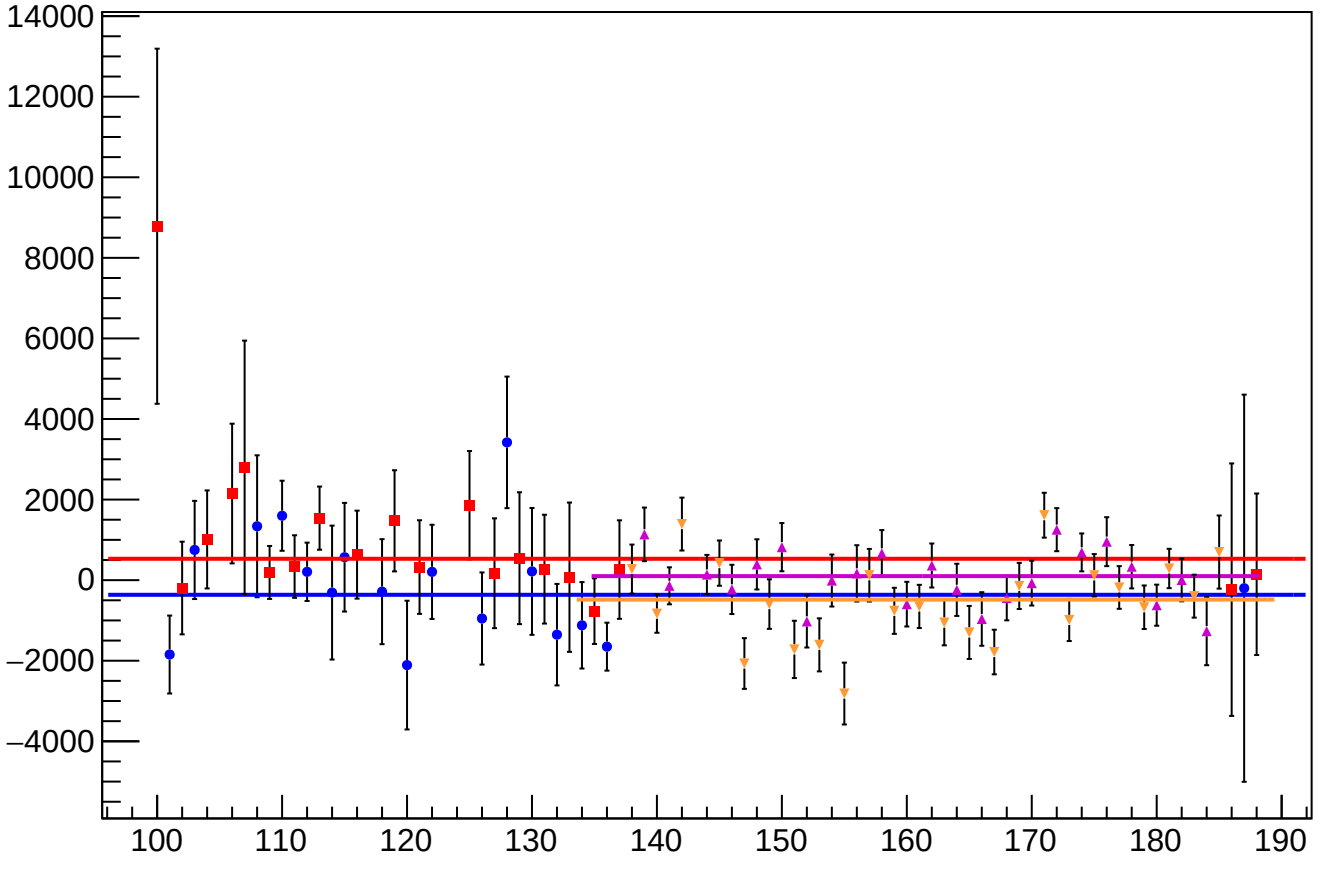
Right: 783.917+/-0.138 χ^2/NDF: 27955.3/36

In: 777.833+/-0.108 χ^2/NDF:14568.4/39

Out: 780.470+/-0.106 χ^2/NDF:19365.1/43

All: 779.185+/-0.076 χ^2/NDF: 34237.3/83

asym_us_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -363.459+/-268.892 χ^2/NDF: 23.3/16

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

Right Out: 530.642+/-262.058 χ^2/NDF: 11.9/19

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

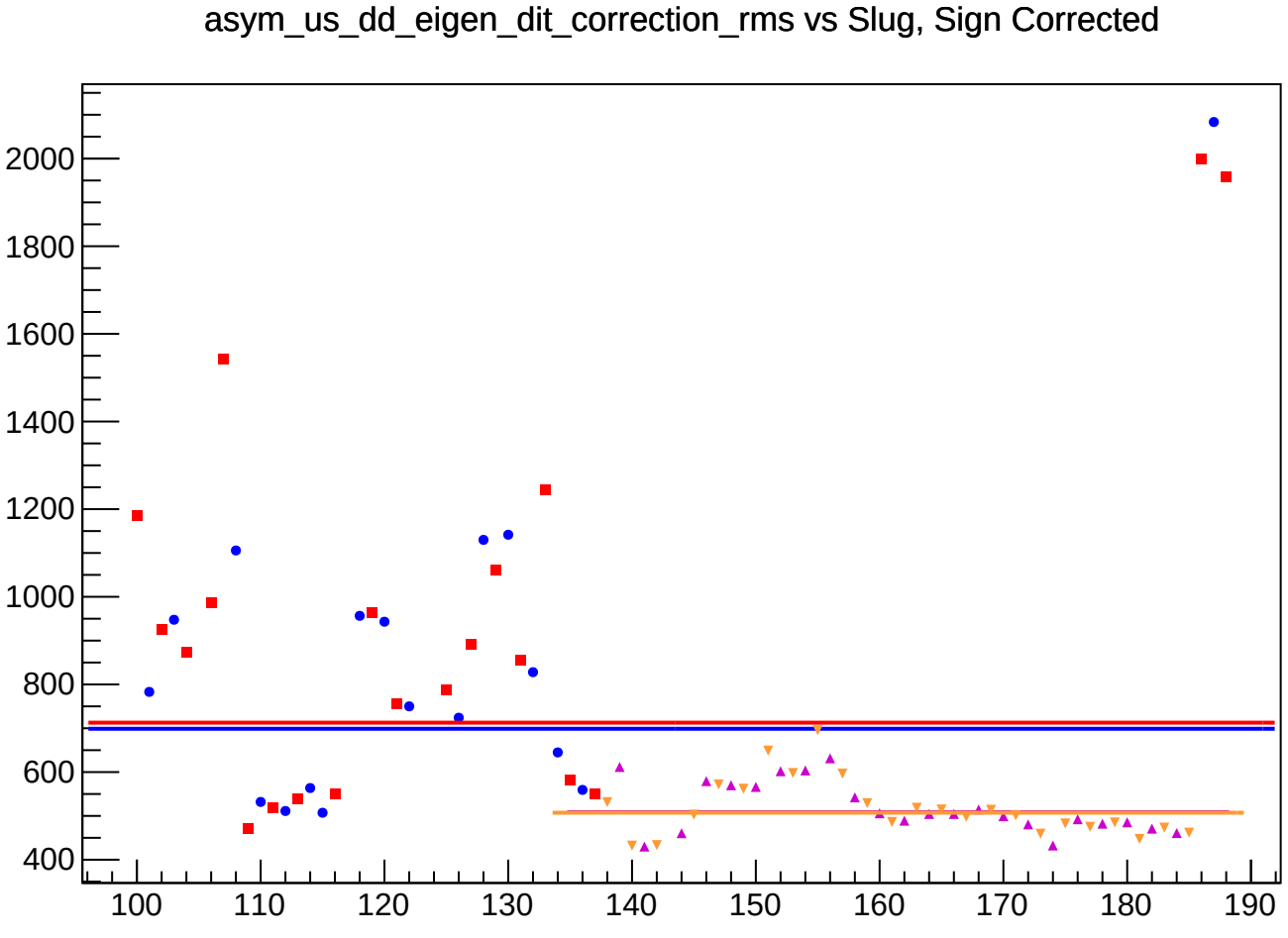
Left: -193.580+/-84.314 χ^2/NDF: 104.5/46

Right: 95.099+/-187.673 χ^2/NDF: 40.9/36

In: 23.360+/-109.336 χ^2/NDF:53.2/39

Out: -310.089+/-108.205 χ^2/NDF:89.4/43

All: -145.099+/-76.909 χ^2/NDF: 147.3/83



Right In: 698.868+/-0.190 χ^2/NDF: 1196480.5/16

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

Right Out: 712.777+/-0.185 χ^2/NDF: 2448221.6/19

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

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

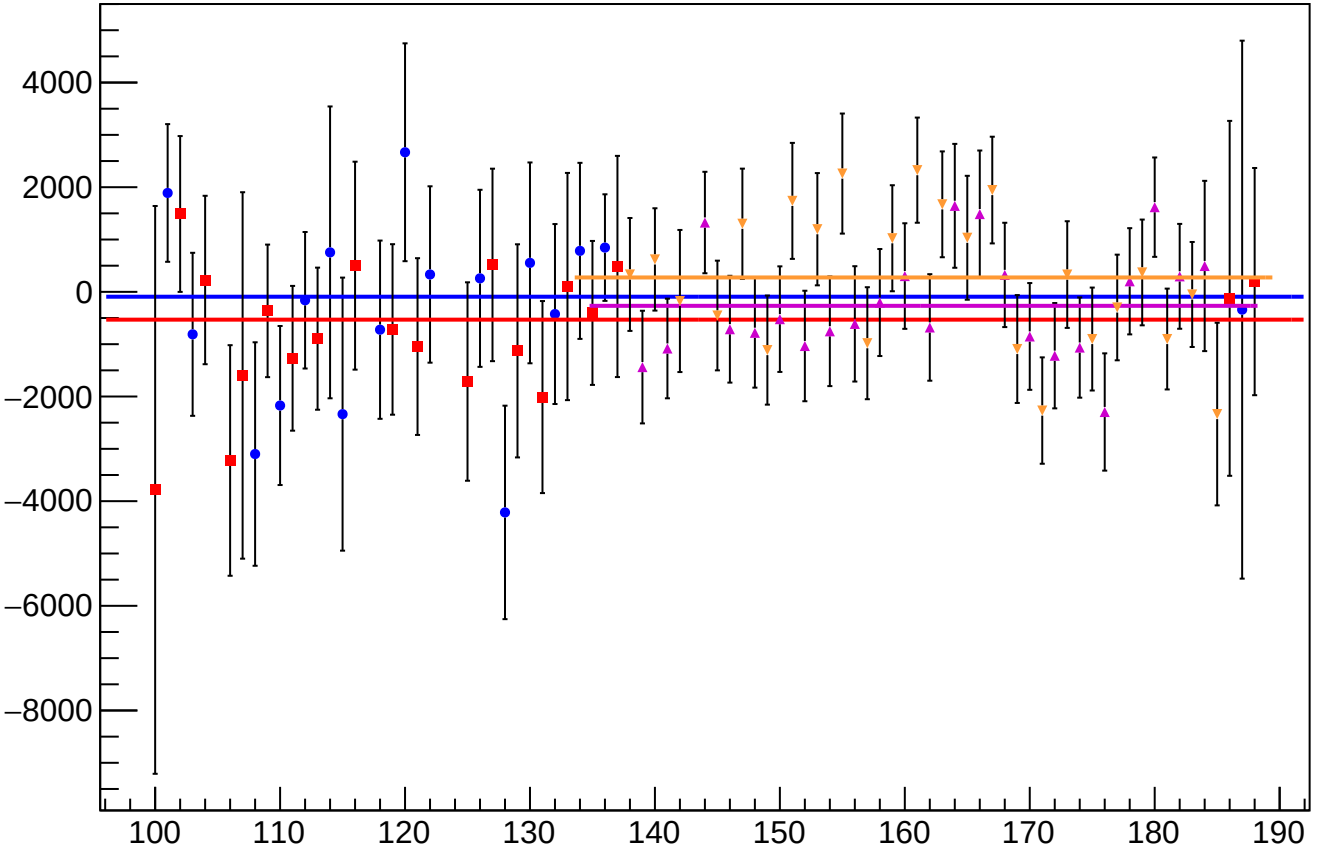
Right: 706.002+/-0.133 χ^2/NDF: 3647446.6/36

In: 540.091+/-0.077 χ^2/NDF:2464432.6/39

Out: 542.348+/-0.077 χ^2/NDF:3941989.2/43

All: 541.231+/-0.054 χ^2/NDF: 6406852.4/83

asym_us_dd_mean vs Slug, Sign Corrected



Right In: -92.877+/-408.659 χ^2/NDF: 14.5/16

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

Right Out: -531.160+/-401.519 χ^2/NDF: 6.7/19

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

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

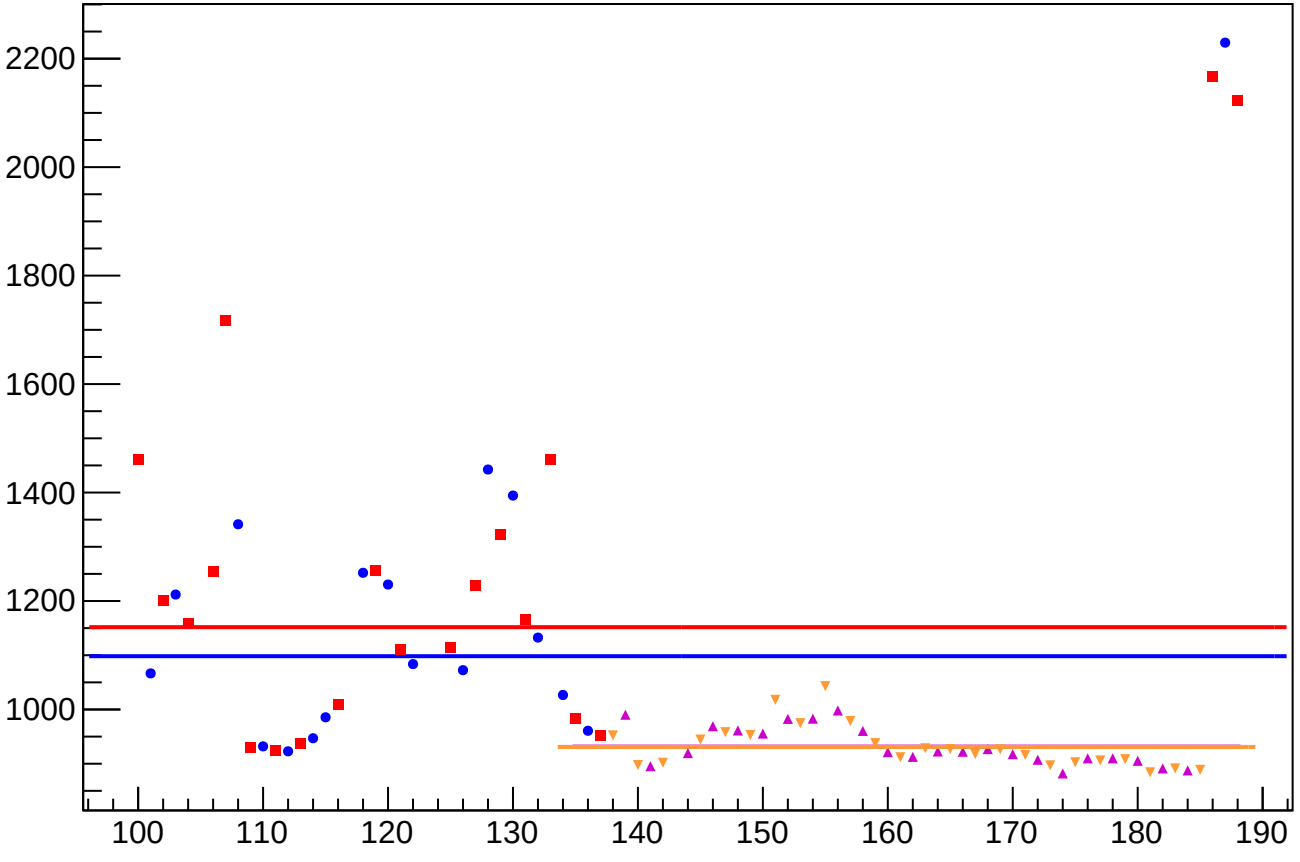
Right: -315.880+/-286.408 χ^2/NDF: 21.8/36

In: -228.560+/-192.127 χ^2/NDF:36.0/39

Out: 93.827+/-190.420 χ^2/NDF:43.4/43

All: -65.928+/-135.247 χ^2/NDF: 80.9/83

asym_us_dd_rms vs Slug, Sign Corrected



Right In: 1098.237+/-0.289 χ^2/NDF: 374796.1/16

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

Right Out: 1151.787+/-0.284 χ^2/NDF: 936466.1/19

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

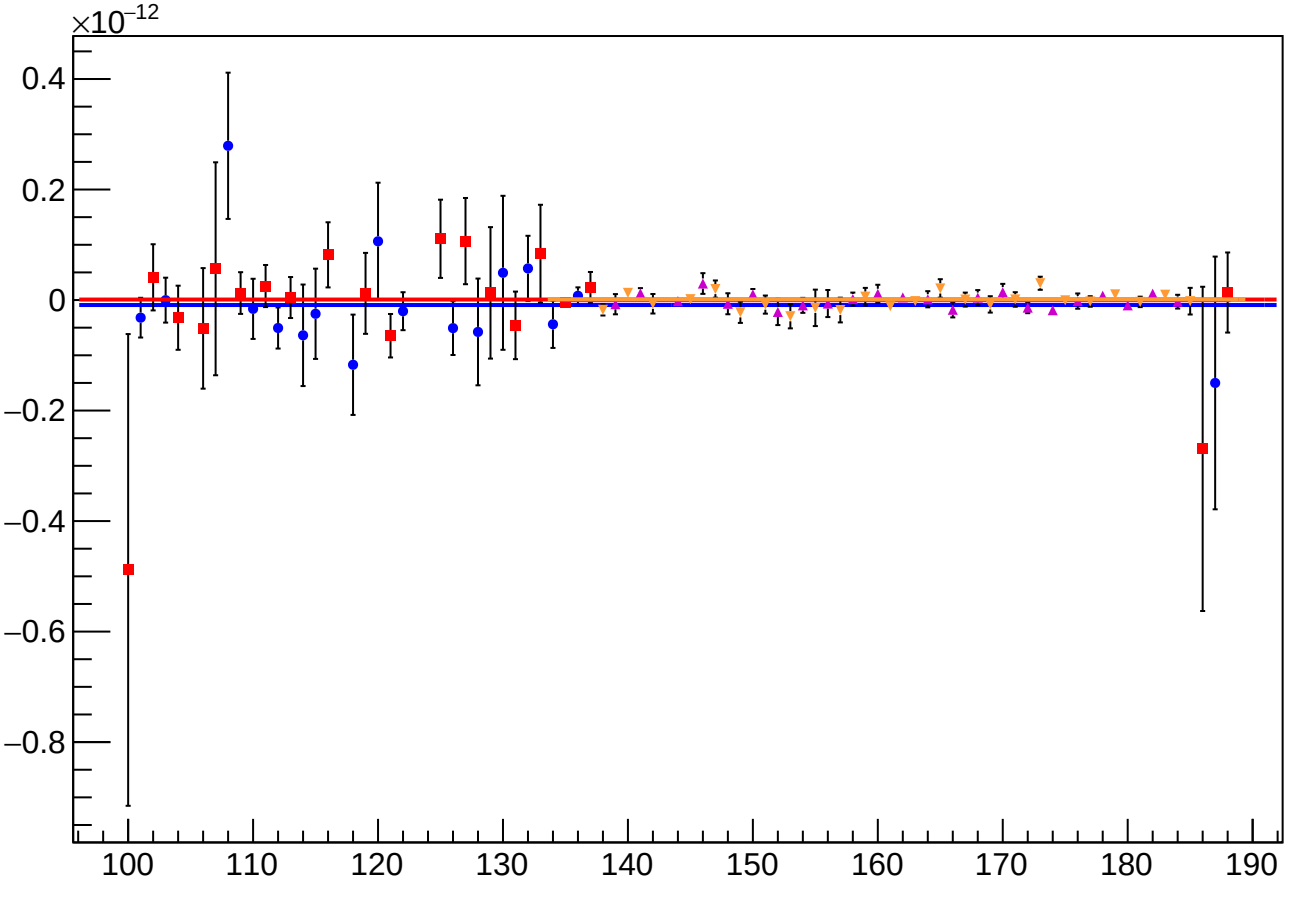
Left: 931.240+/-0.108 χ^2/NDF: 110877.8/46

Right: 1125.484+/-0.203 χ^2/NDF: 1328736.0/36

In: 968.402+/-0.136 χ^2/NDF:682871.3/39

Out: 980.597+/-0.135 χ^2/NDF:1467472.0/43

All: 974.554+/-0.096 χ^2/NDF: 2154407.9/83



Right In: -0.000+/-0.000 χ^2/NDF: 14.2/16

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

Right Out: 0.000+/-0.000 χ^2/NDF: 15.2/19

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

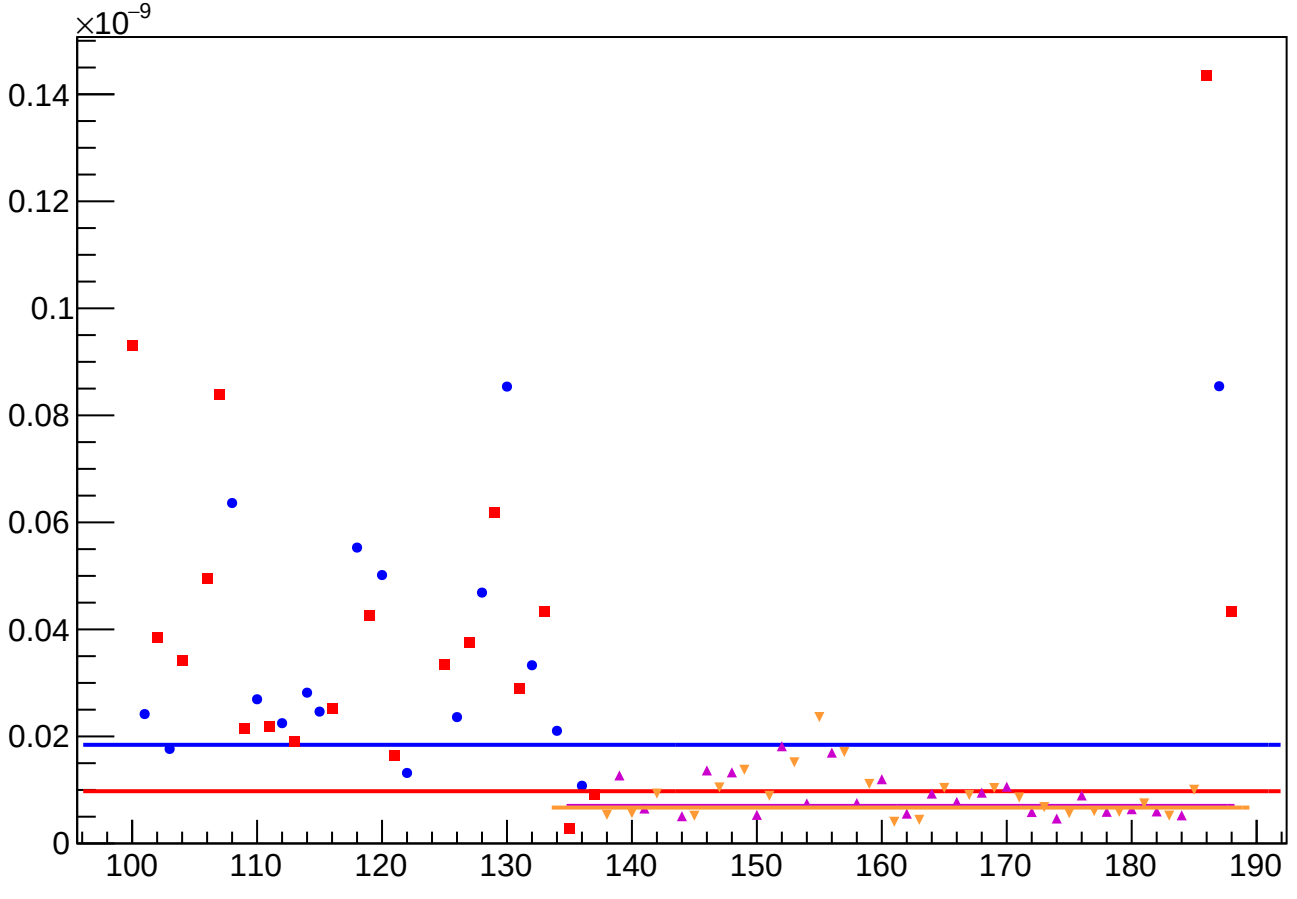
Left: 0.000+/-0.000 χ^2/NDF: 48.0/46

Right: -0.000+/-0.000 χ^2/NDF: 30.0/36

In: -0.000+/-0.000 χ^2/NDF:37.0/39

Out: 0.000+/-0.000 χ^2/NDF:40.9/43

All: 0.000+/-0.000 χ^2/NDF: 78.3/83



Right In: 0.000+/-0.000 χ^2/NDF: 2414628.8/16

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

Right Out: 0.000+/-0.000 χ^2/NDF: 5993902.5/19

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

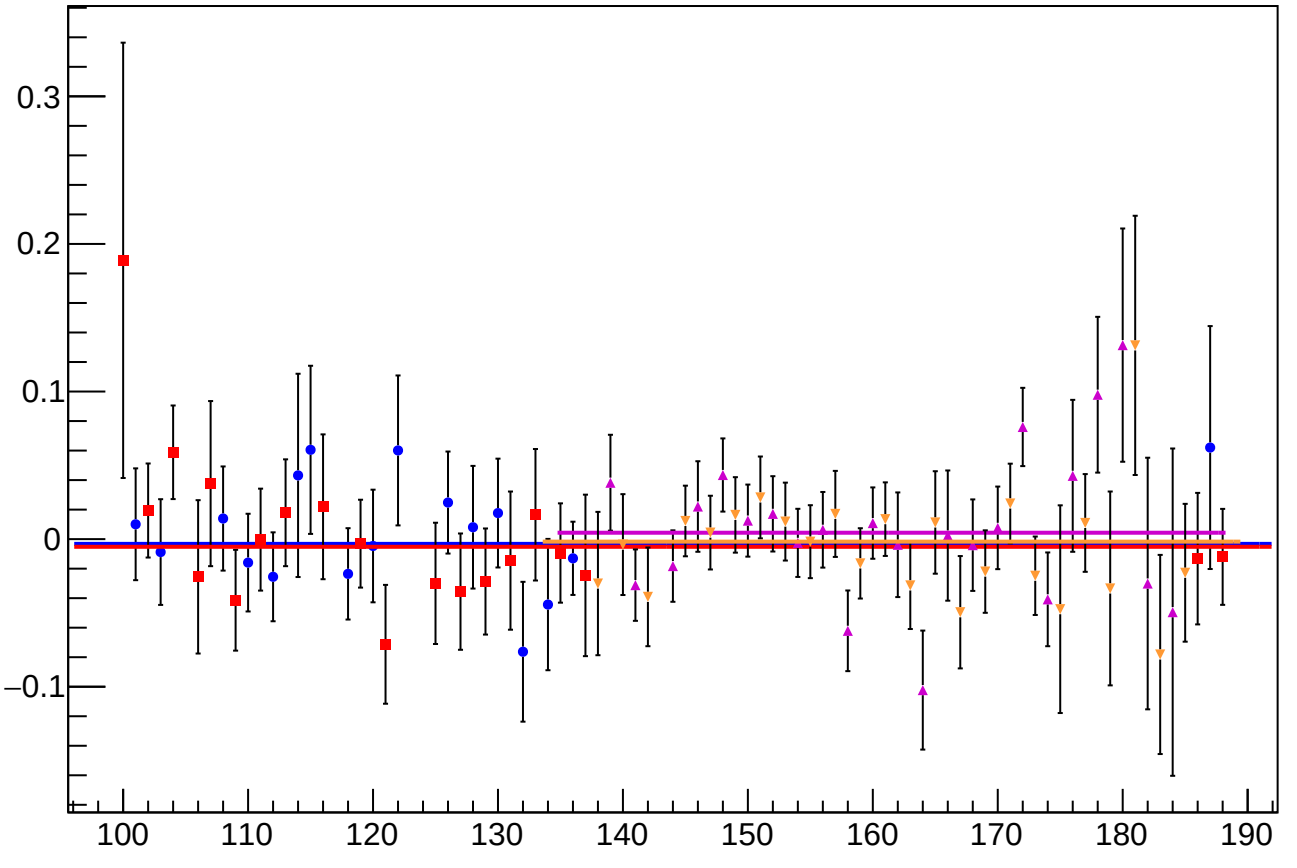
Left: 0.000+/-0.000 χ^2/NDF: 5389849.5/46

Right: 0.000+/-0.000 χ^2/NDF: 9365616.1/36

In: 0.000+/-0.000 χ^2/NDF:7222179.9/39

Out: 0.000+/-0.000 χ^2/NDF:9246342.7/43

All: 0.000+/-0.000 χ^2/NDF: 16546257.8/83



Right In: -0.003+/-0.009 χ^2/NDF: 9.8/16

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

Right Out: -0.005+/-0.009 χ^2/NDF: 13.6/19

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

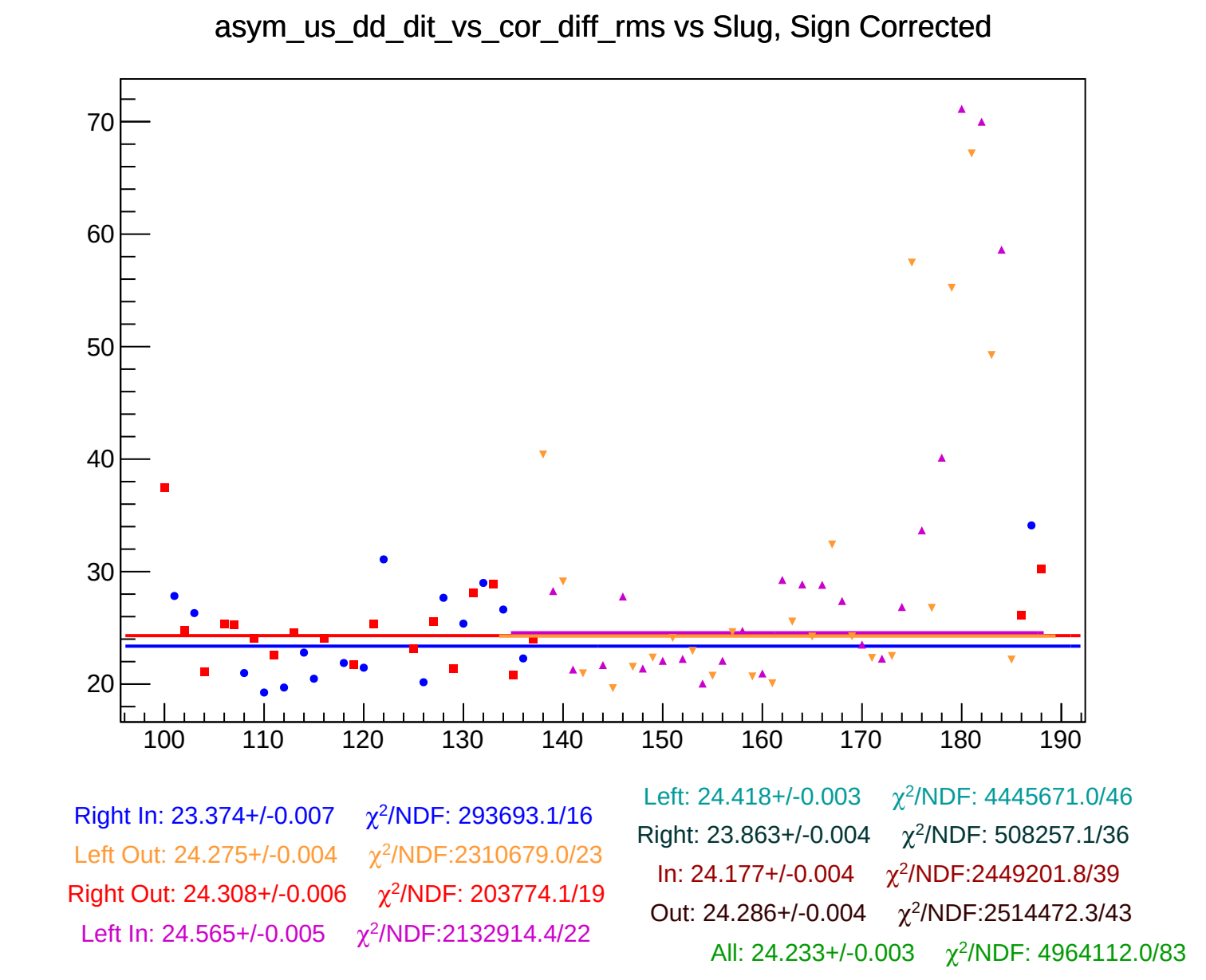
Left: 0.001+/-0.005 χ^2/NDF: 51.6/46

Right: -0.004+/-0.006 χ^2/NDF: 23.4/36

In: 0.002+/-0.005 χ^2/NDF:46.8/39

Out: -0.003+/-0.005 χ^2/NDF:28.3/43

All: -0.001+/-0.004 χ^2/NDF: 75.5/83


asym_us_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected
70
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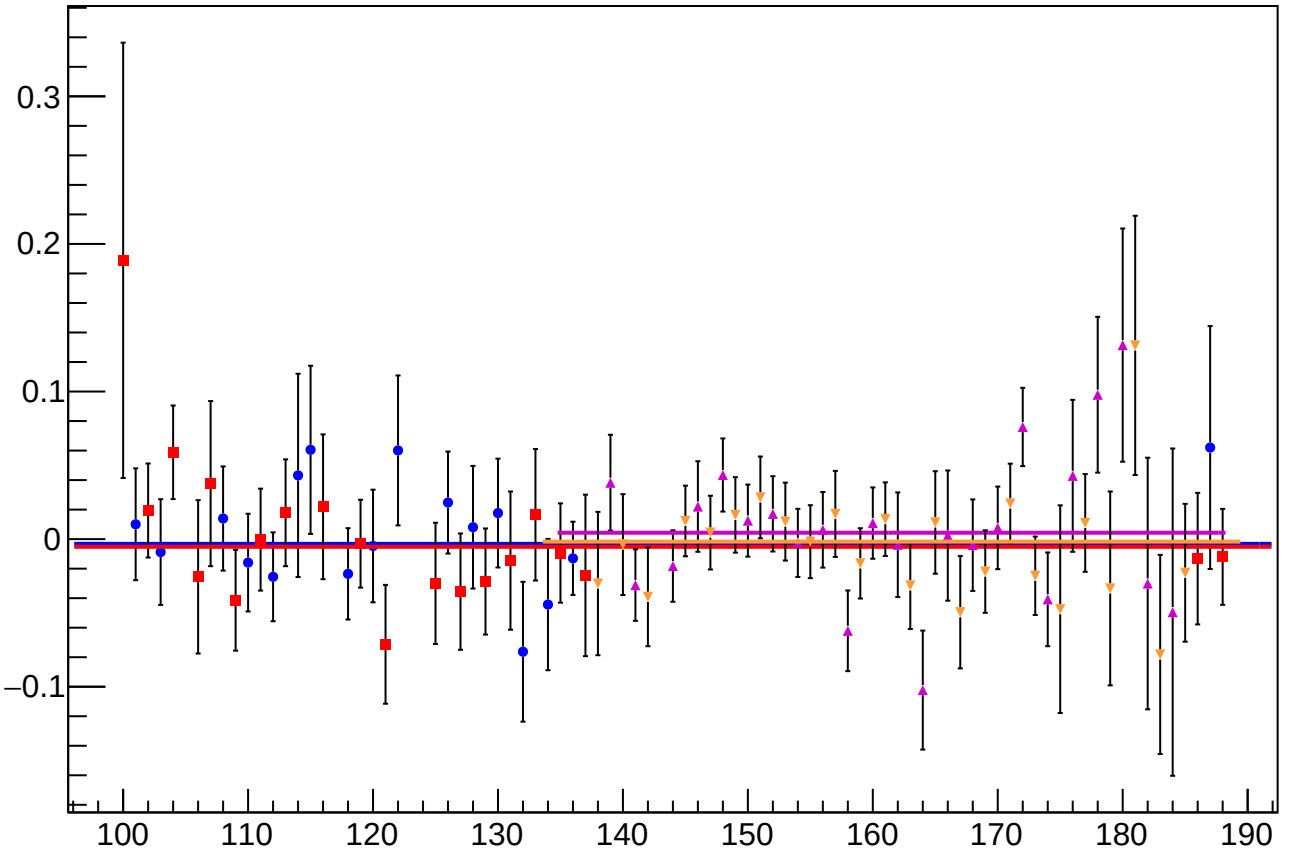
190
Right In: 23.374+/-0.007 χ²/NDF: 293693.1/16
Left Out: 24.275+/-0.004 χ²/NDF:2310679.0/23
Right Out: 24.308+/-0.006 χ²/NDF: 203774.1/19
Left In: 24.565+/-0.005 χ²/NDF:2132914.4/22
Left: 24.418+/-0.003 χ²/NDF: 4445671.0/46
Right: 23.863+/-0.004 χ²/NDF: 508257.1/36
In: 24.177+/-0.004 χ²/NDF:2449201.8/39
Out: 24.286+/-0.004 χ²/NDF:2514472.3/43
All: 24.233+/-0.003 χ²/NDF: 4964112.0/83



Right In: -0.003+/-0.009 χ^2/NDF: 9.8/16

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

Right Out: -0.005+/-0.009 χ^2/NDF: 13.6/19

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

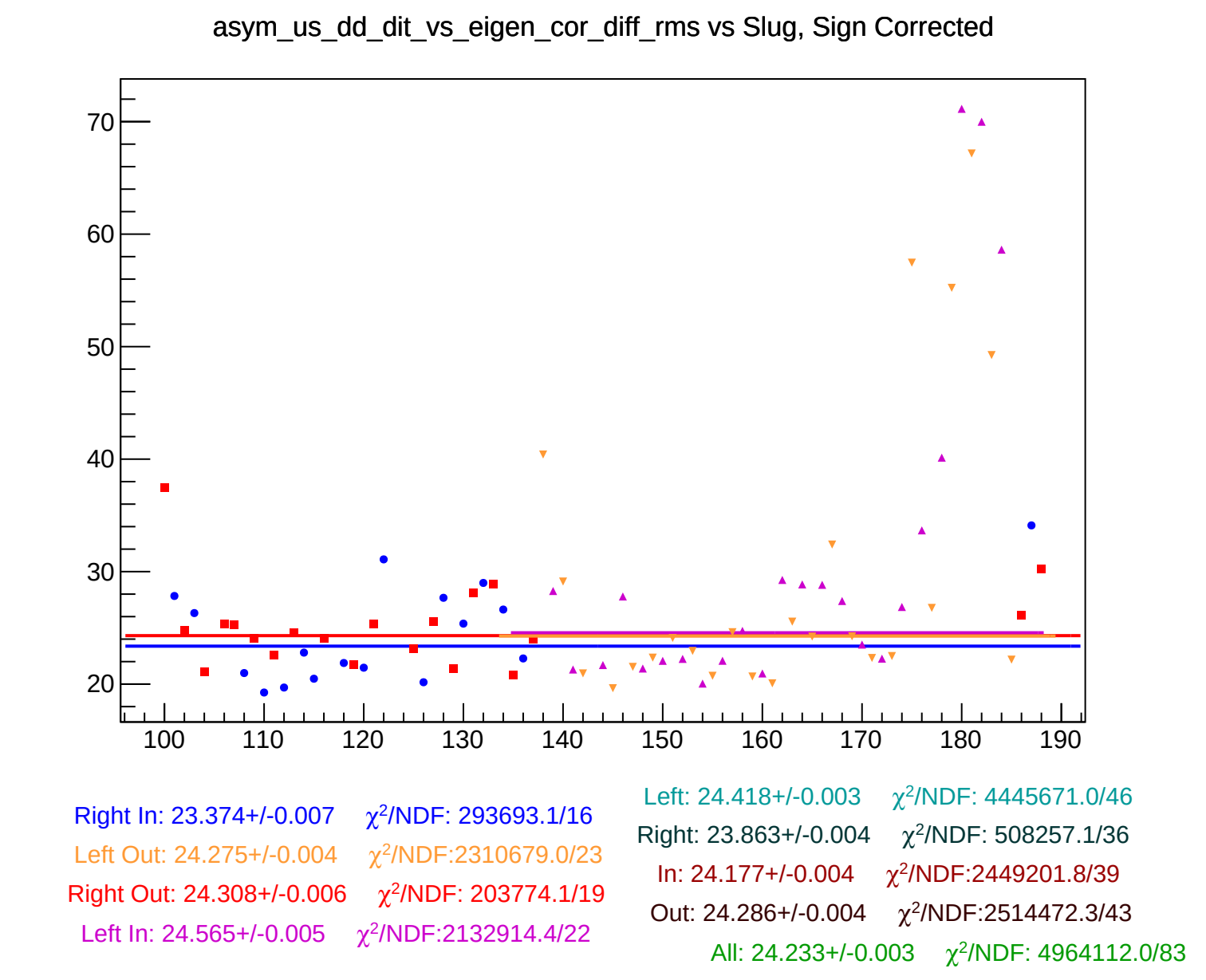
Left: 0.001+/-0.005 χ^2/NDF: 51.6/46

Right: -0.004+/-0.006 χ^2/NDF: 23.4/36

In: 0.002+/-0.005 χ^2/NDF:46.8/39

Out: -0.003+/-0.005 χ^2/NDF:28.3/43

All: -0.001+/-0.004 χ^2/NDF: 75.5/83


asym_us_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
70
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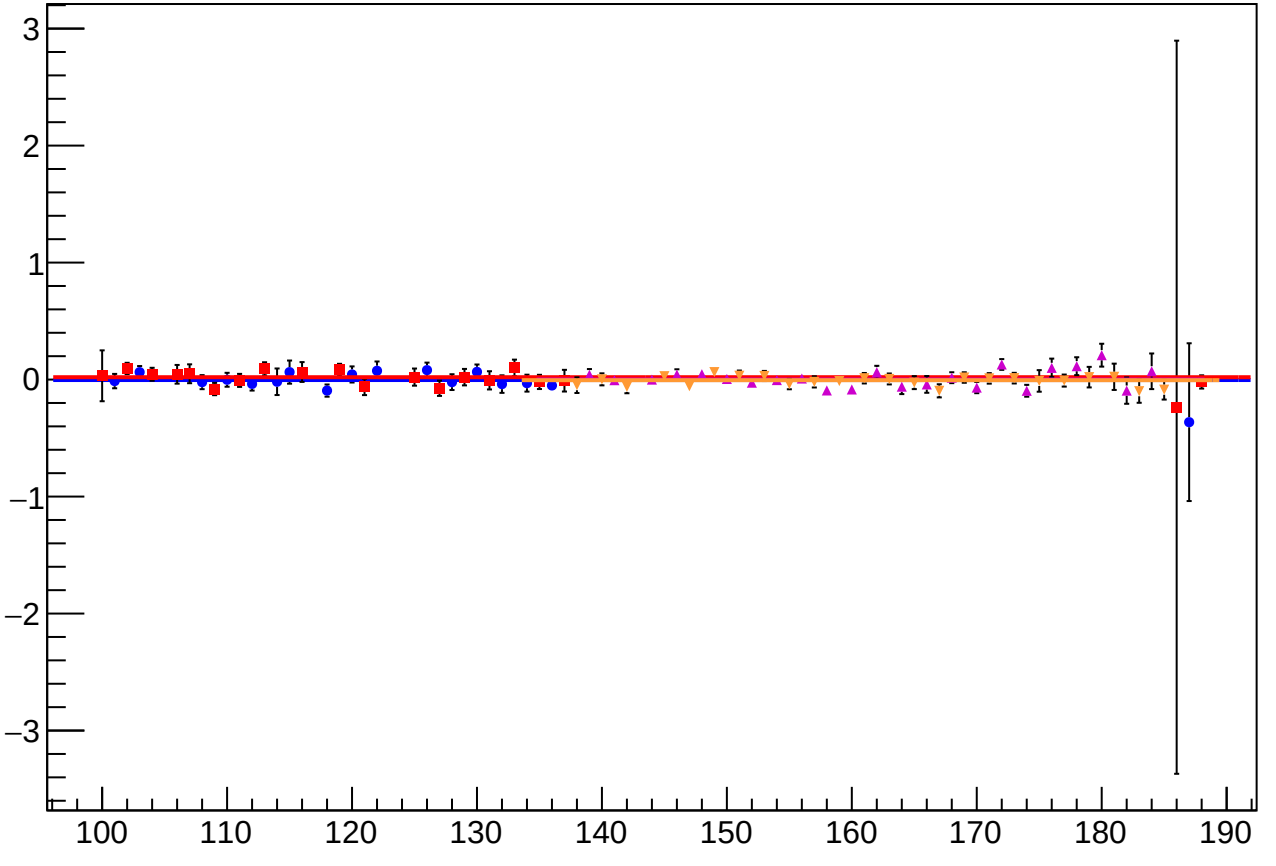
Right In: 23.374+/-0.007 χ²/NDF: 293693.1/16
Left Out: 24.275+/-0.004 χ²/NDF:2310679.0/23
Right Out: 24.308+/-0.006 χ²/NDF: 203774.1/19
Left In: 24.565+/-0.005 χ²/NDF:2132914.4/22
Left: 24.418+/-0.003 χ²/NDF: 4445671.0/46
Right: 23.863+/-0.004 χ²/NDF: 508257.1/36
In: 24.177+/-0.004 χ²/NDF:2449201.8/39
Out: 24.286+/-0.004 χ²/NDF:2514472.3/43
All: 24.233+/-0.003 χ²/NDF: 4964112.0/83

asym_us_dd_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.004+/-0.016 χ^2/NDF: 11.9/16

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

Right Out: 0.020+/-0.015 χ^2/NDF: 15.9/19

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

Left: -0.002+/-0.007 χ^2/NDF: 51.9/46

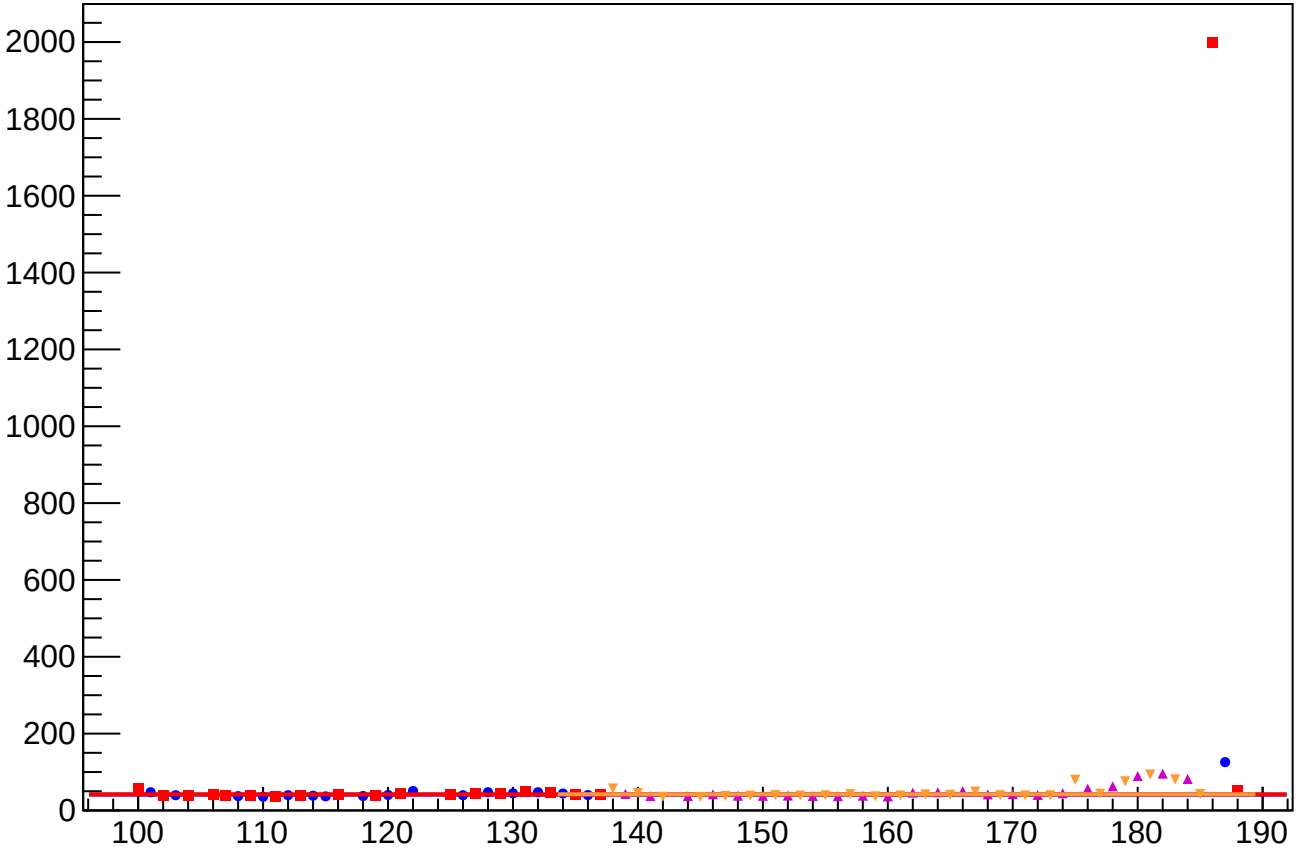
Right: 0.009+/-0.011 χ^2/NDF: 29.1/36

In: -0.001+/-0.009 χ^2/NDF:49.9/39

Out: 0.003+/-0.009 χ^2/NDF:31.7/43

All: 0.001+/-0.006 χ^2/NDF: 81.8/83

asym_us_dd_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.288+/-0.011 χ^2/NDF: 166710.1/16

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

Right Out: 41.829+/-0.011 χ^2/NDF: 939981.3/19

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

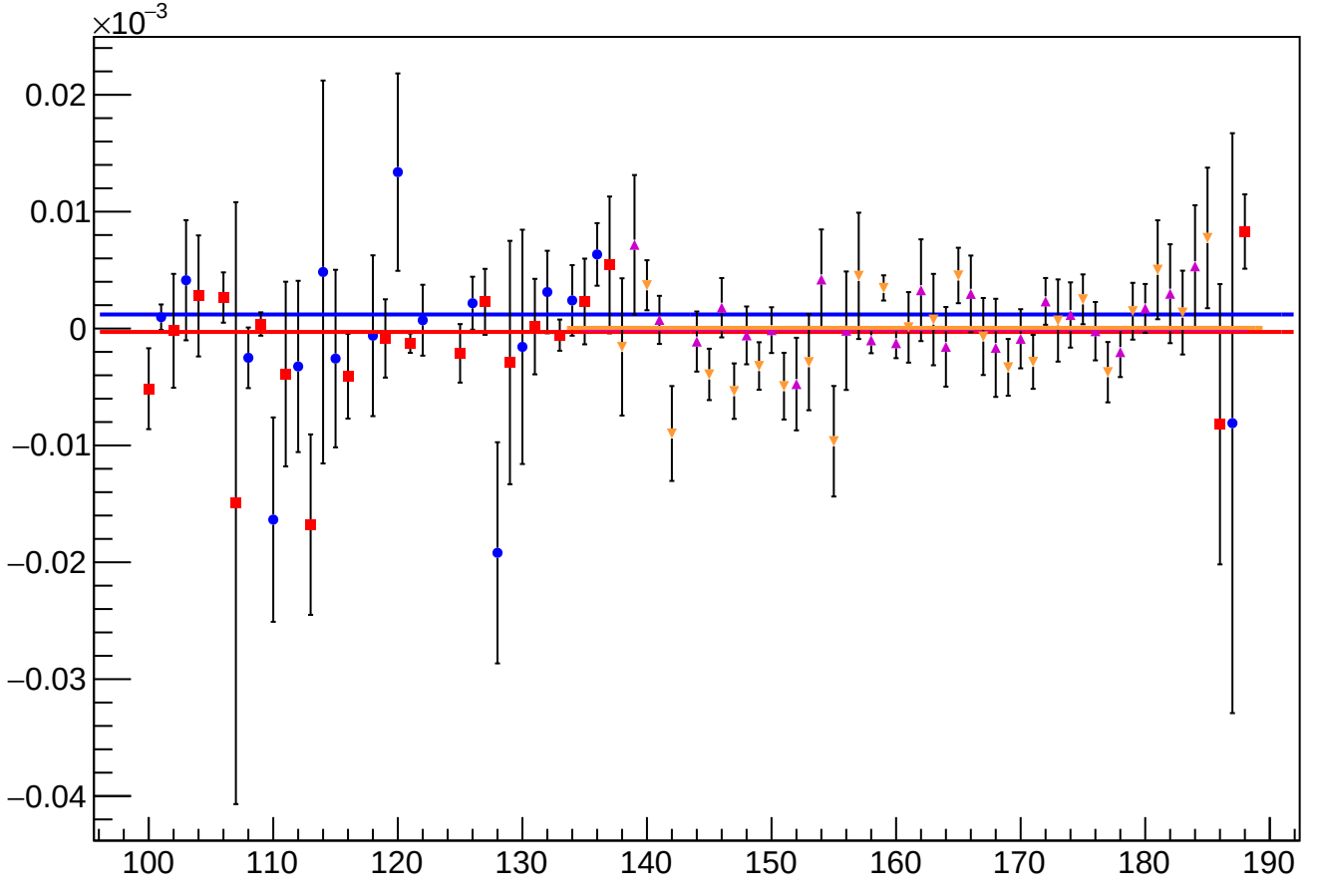
Left: 42.083+/-0.005 χ^2/NDF: 3259553.8/46

Right: 41.572+/-0.008 χ^2/NDF: 1107934.6/36

In: 41.837+/-0.006 χ^2/NDF:1713726.8/39

Out: 42.004+/-0.006 χ^2/NDF:2656434.5/43

All: 41.922+/-0.004 χ^2/NDF: 4370534.9/83



Right In: 0.000+/-0.000 χ^2/NDF: 18.5/16

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

Right Out: -0.000+/-0.000 χ^2/NDF: 22.9/19

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

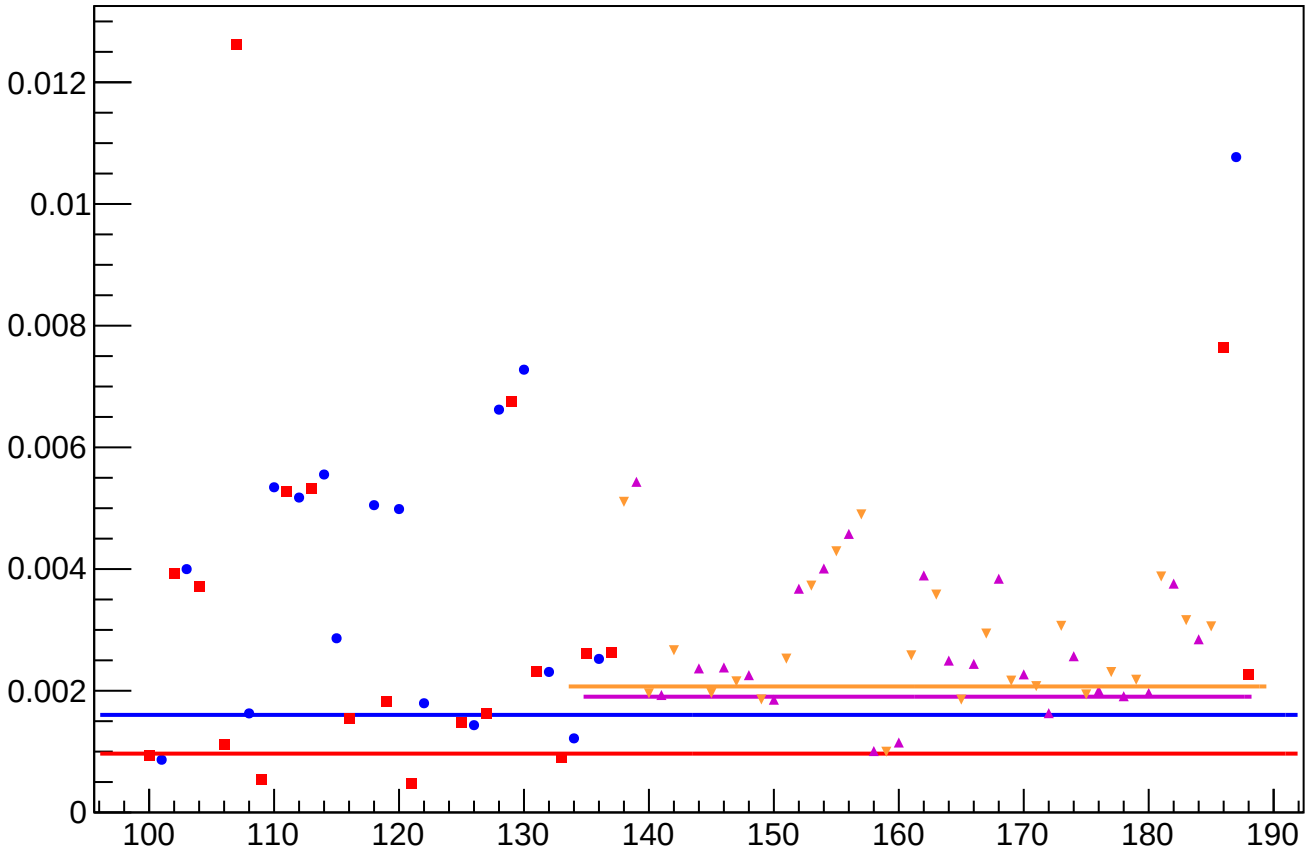
Left: -0.000+/-0.000 χ^2/NDF: 64.7/46

Right: 0.000+/-0.000 χ^2/NDF: 44.1/36

In: 0.000+/-0.000 χ^2/NDF:33.4/39

Out: -0.000+/-0.000 χ^2/NDF:74.8/43

All: 0.000+/-0.000 χ^2/NDF: 108.9/83



Right In: 0.002+/-0.000 χ^2/NDF: 5035417.6/16

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

Right Out: 0.001+/-0.000 χ^2/NDF: 6748915.0/19

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

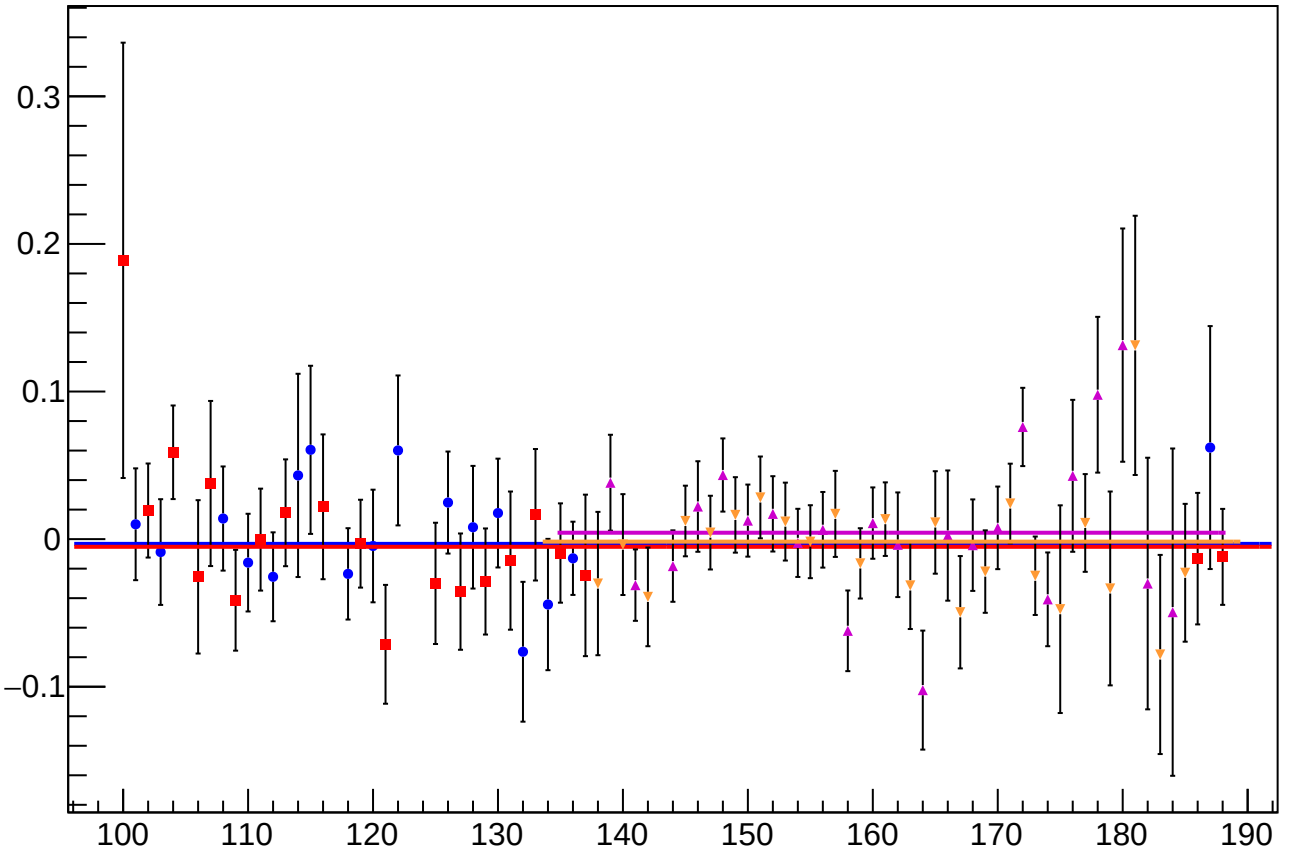
Left: 0.002+/-0.000 χ^2/NDF: 11308615.1/46

Right: 0.001+/-0.000 χ^2/NDF: 12793097.6/36

In: 0.002+/-0.000 χ^2/NDF:11193053.5/39

Out: 0.001+/-0.000 χ^2/NDF:16738584.2/43

All: 0.002+/-0.000 χ^2/NDF: 28659485.7/83



Right In: -0.003+/-0.009 χ^2/NDF: 9.8/16

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

Right Out: -0.005+/-0.009 χ^2/NDF: 13.6/19

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

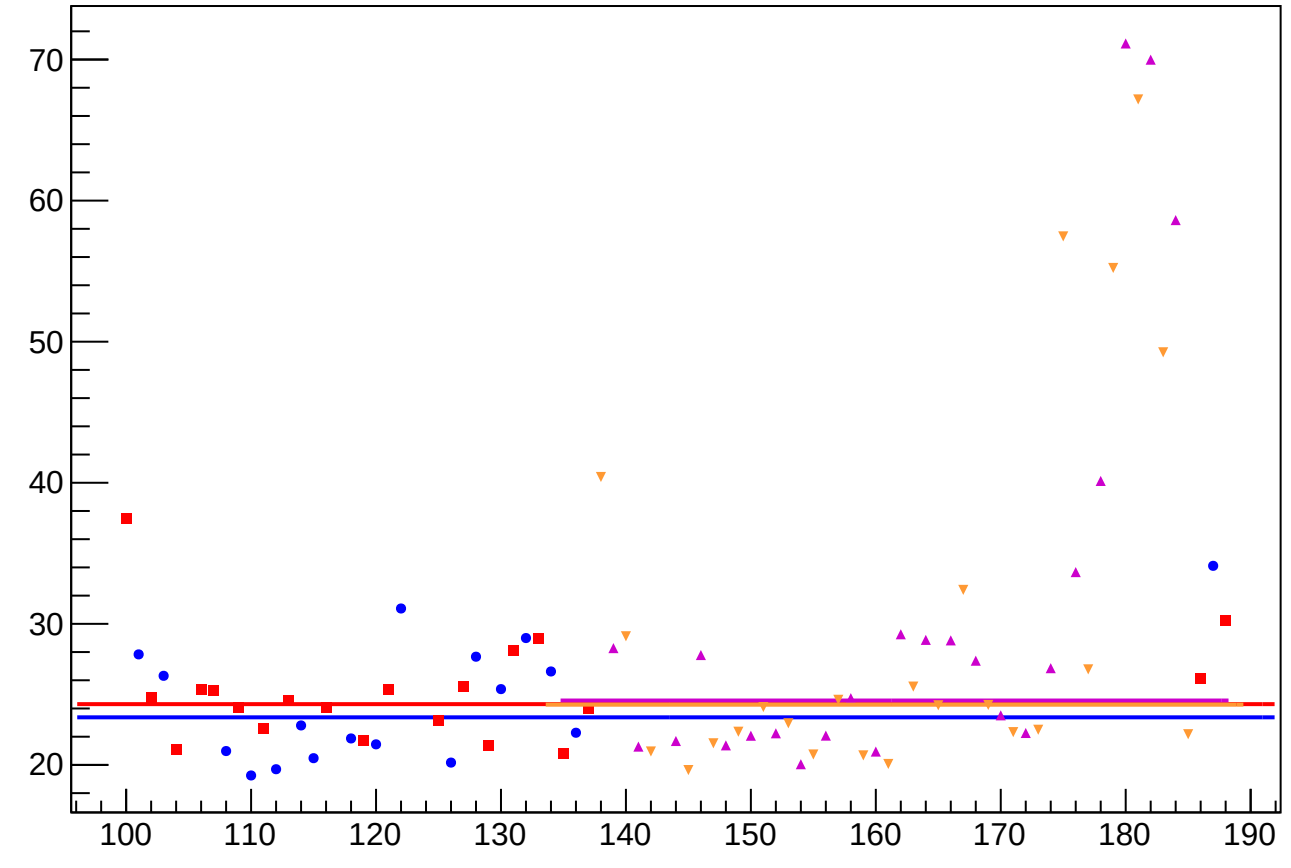
Left: 0.001+/-0.005 χ^2/NDF: 51.6/46

Right: -0.004+/-0.006 χ^2/NDF: 23.4/36

In: 0.002+/-0.005 χ^2/NDF:46.8/39

Out: -0.003+/-0.005 χ^2/NDF:28.3/43

All: -0.001+/-0.004 χ^2/NDF: 75.5/83



Right In: 23.373+/-0.007 χ^2/NDF: 293704.9/16

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

Right Out: 24.308+/-0.006 χ^2/NDF: 203729.3/19

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

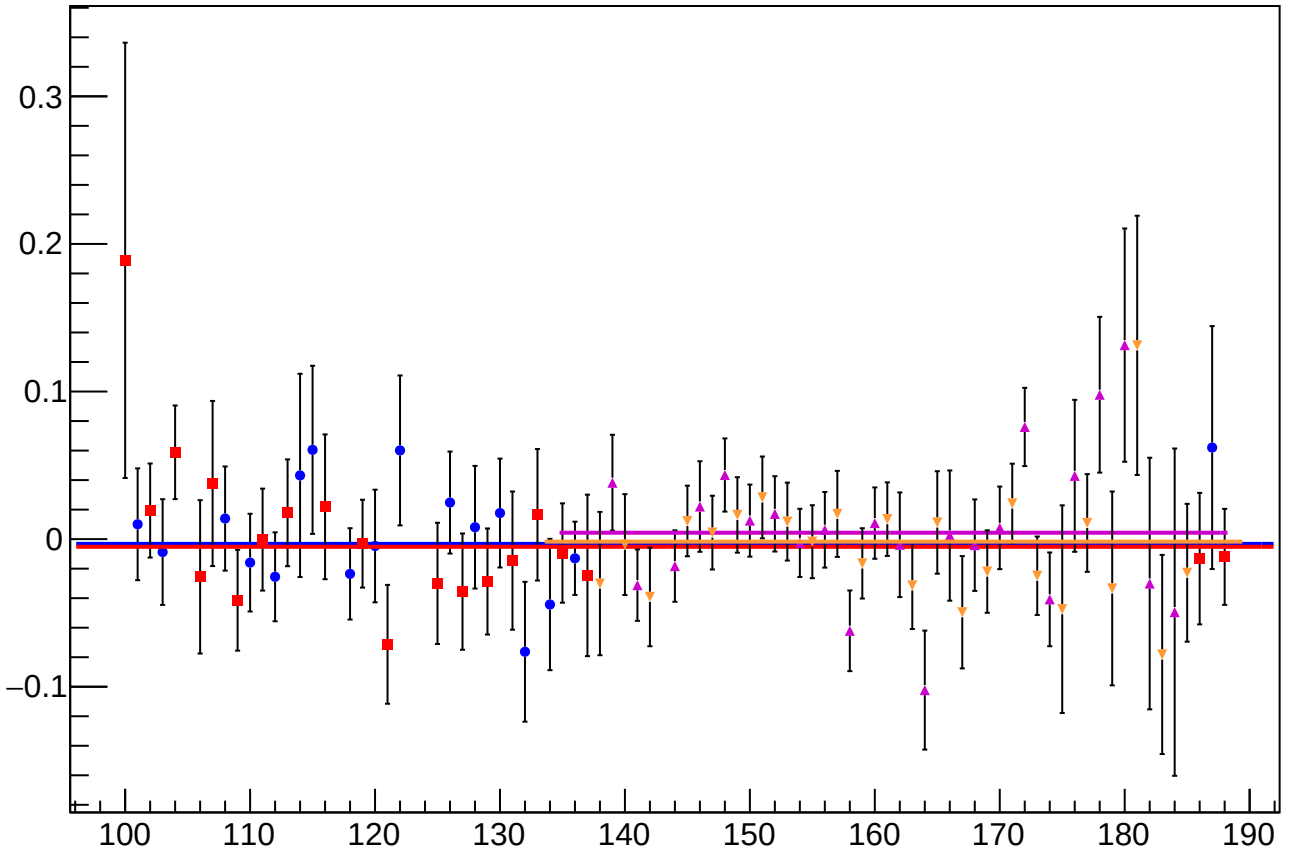
Left: 24.419+/-0.003 χ^2/NDF: 4445544.6/46

Right: 23.863+/-0.004 χ^2/NDF: 508244.7/36

In: 24.177+/-0.004 χ^2/NDF:2449113.9/39

Out: 24.286+/-0.004 χ^2/NDF:2514433.3/43

All: 24.233+/-0.003 χ^2/NDF: 4963986.4/83



Right In: -0.003+/-0.009 χ^2/NDF: 9.8/16

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

Right Out: -0.005+/-0.009 χ^2/NDF: 13.6/19

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

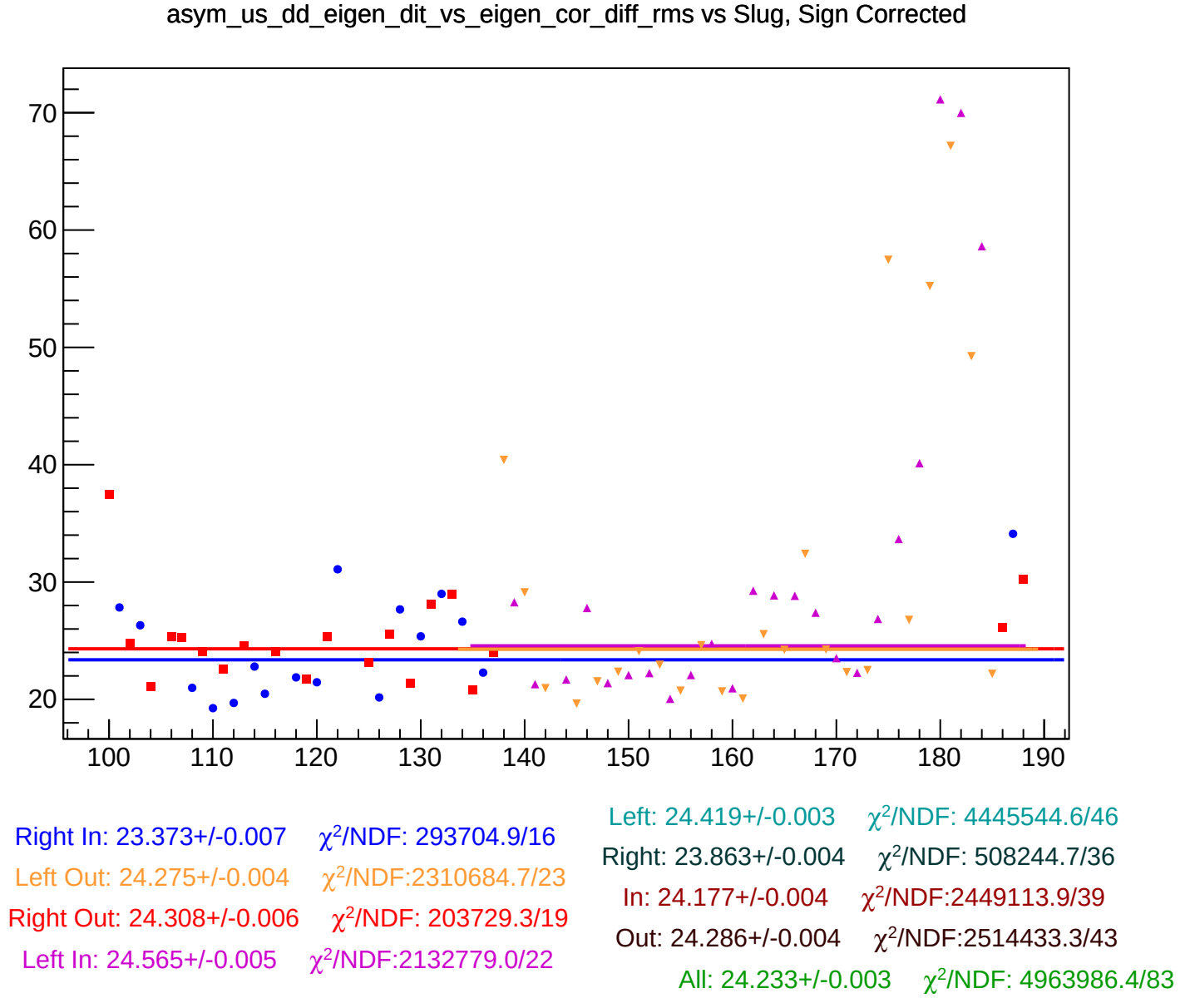
Left: 0.001+/-0.005 χ^2/NDF: 51.6/46

Right: -0.004+/-0.006 χ^2/NDF: 23.4/36

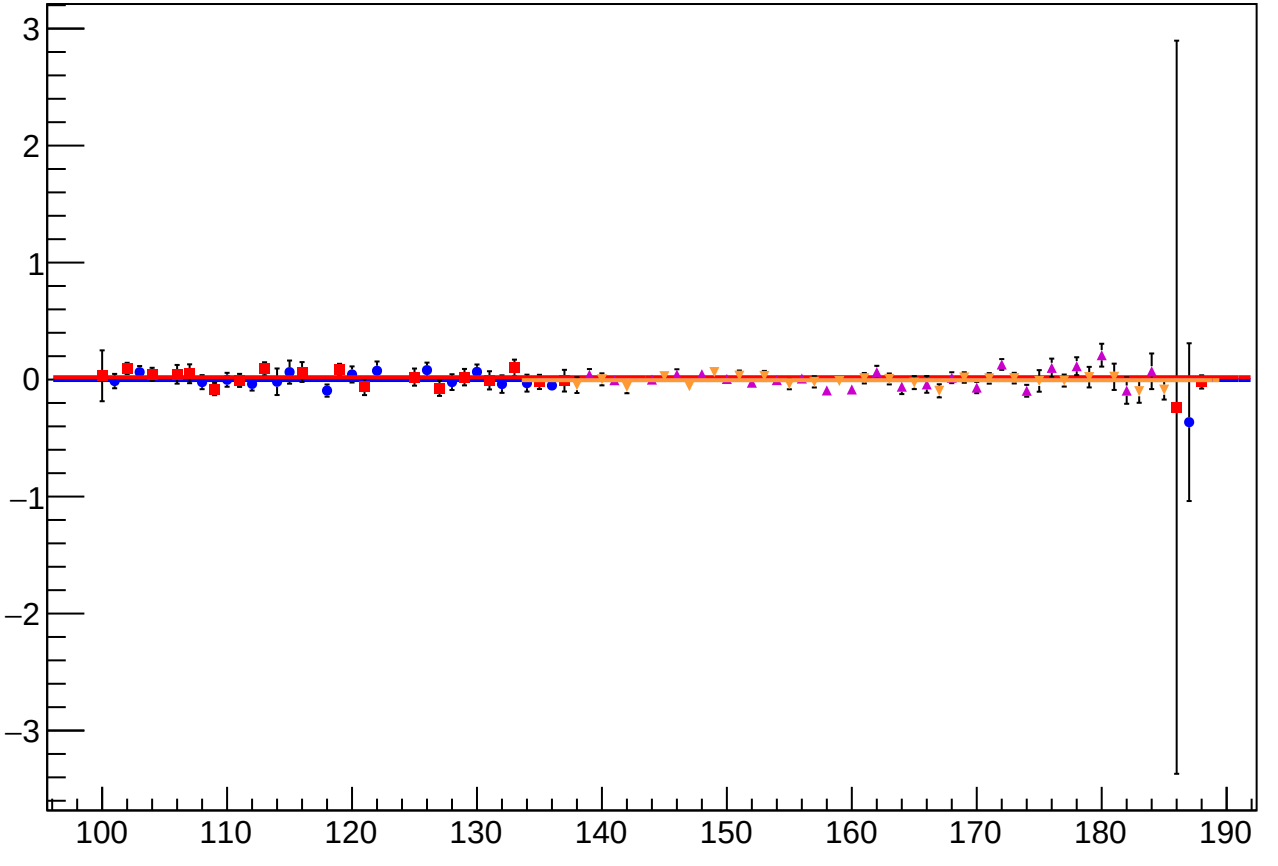
In: 0.002+/-0.005 χ^2/NDF:46.8/39

Out: -0.003+/-0.005 χ^2/NDF:28.3/43

All: -0.001+/-0.004 χ^2/NDF: 75.5/83


asym_us_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
70
60
50
40
30
20
100
110
120
130
140
150
160
170
180
190
Right In: 23.373+/-0.007 χ²/NDF: 293704.9/16
Left Out: 24.275+/-0.004 χ²/NDF:2310684.7/23
Right Out: 24.308+/-0.006 χ²/NDF: 203729.3/19
Left In: 24.565+/-0.005 χ²/NDF:2132779.0/22
Left: 24.419+/-0.003 χ²/NDF: 4445544.6/46
Right: 23.863+/-0.004 χ²/NDF: 508244.7/36
In: 24.177+/-0.004 χ²/NDF:2449113.9/39
Out: 24.286+/-0.004 χ²/NDF:2514433.3/43
All: 24.233+/-0.003 χ²/NDF: 4963986.4/83

asym_us_dd_eigen_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.004+/-0.016 χ^2/NDF: 11.9/16

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

Right Out: 0.020+/-0.015 χ^2/NDF: 15.9/19

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

Left: -0.002+/-0.007 χ^2/NDF: 51.9/46

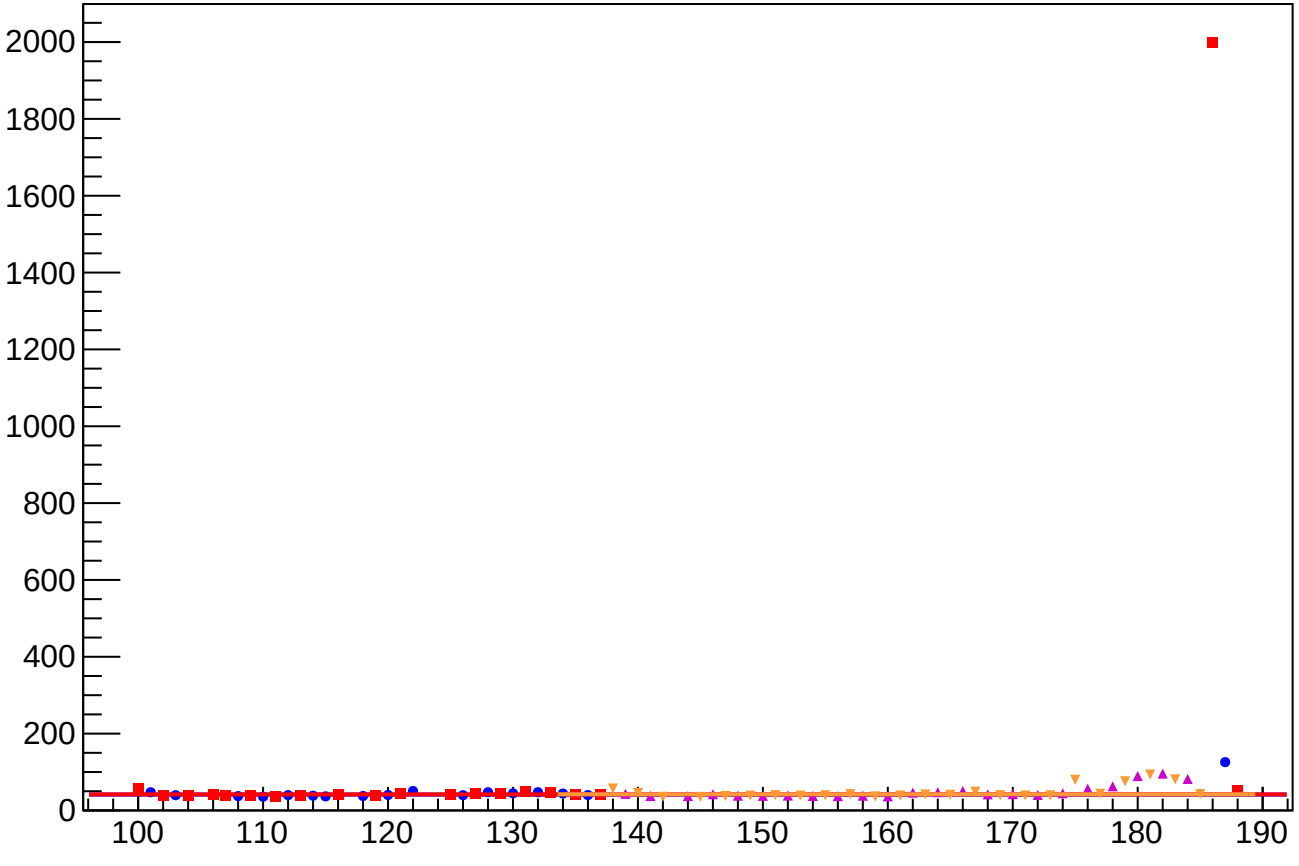
Right: 0.009+/-0.011 χ^2/NDF: 29.1/36

In: -0.001+/-0.009 χ^2/NDF:49.9/39

Out: 0.003+/-0.009 χ^2/NDF:31.7/43

All: 0.001+/-0.006 χ^2/NDF: 81.8/83

asym_us_dd_eigen_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.287+/-0.011 χ^2/NDF: 166687.5/16

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

Right Out: 41.829+/-0.011 χ^2/NDF: 939971.8/19

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

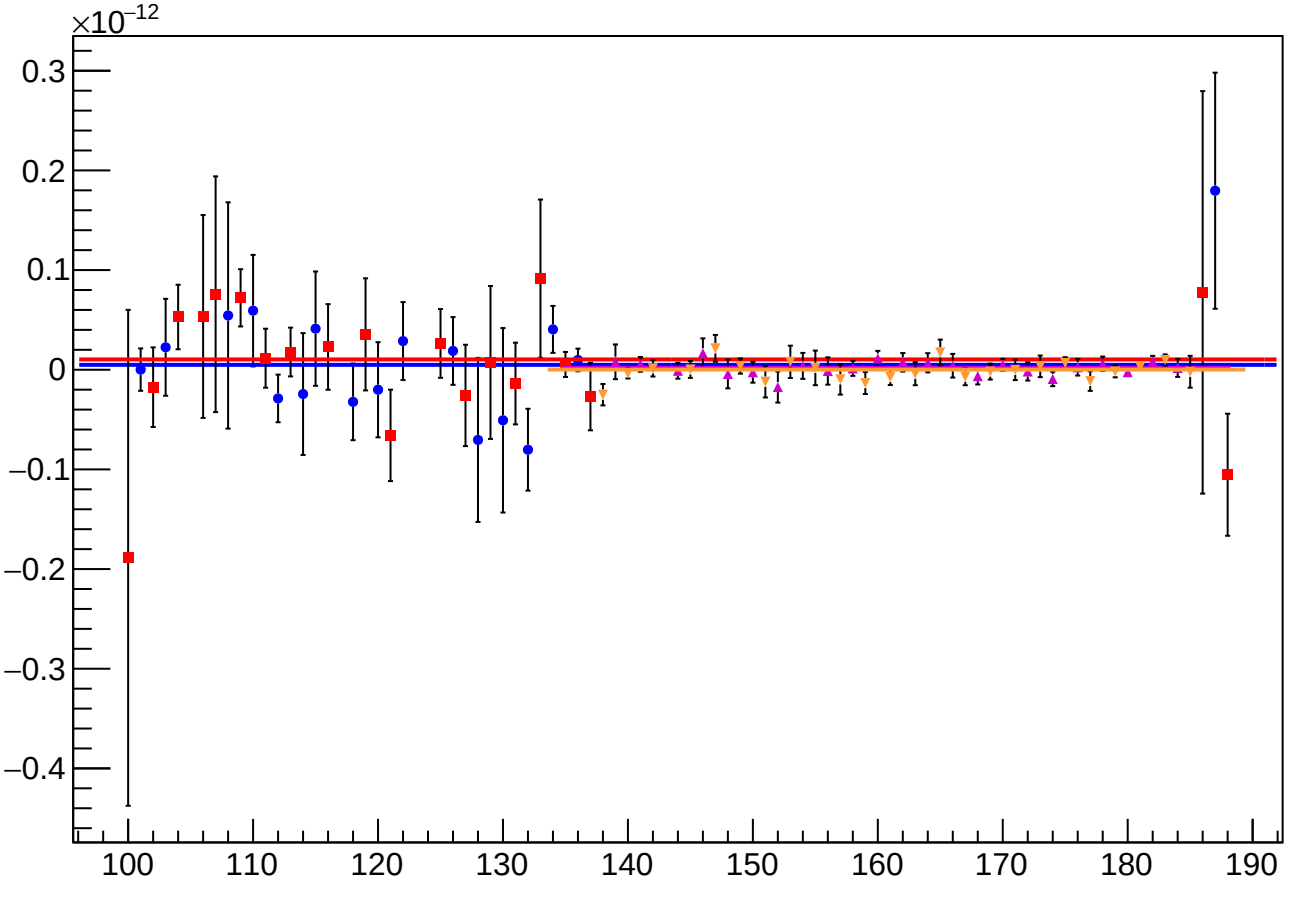
Left: 42.083+/-0.005 χ^2/NDF: 3259520.0/46

Right: 41.572+/-0.008 χ^2/NDF: 1107903.5/36

In: 41.837+/-0.006 χ^2/NDF:1713683.2/39

Out: 42.004+/-0.006 χ^2/NDF:2656415.8/43

All: 41.922+/-0.004 χ^2/NDF: 4370472.6/83



Right In: 0.000+/-0.000 χ^2/NDF: 15.8/16

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

Right Out: 0.000+/-0.000 χ^2/NDF: 18.3/19

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

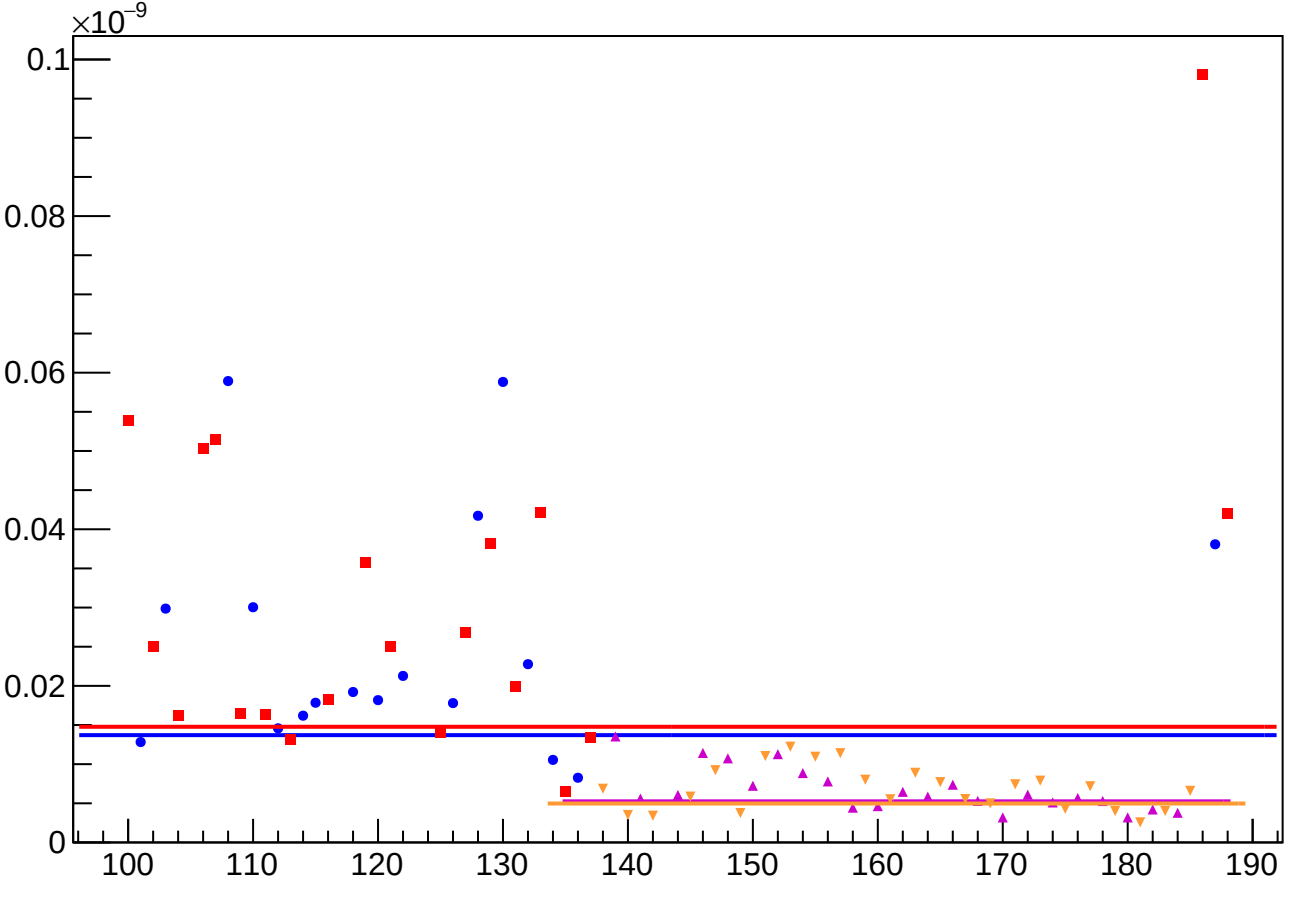
Left: 0.000+/-0.000 χ^2/NDF: 33.5/46

Right: 0.000+/-0.000 χ^2/NDF: 34.4/36

In: 0.000+/-0.000 χ^2/NDF:27.7/39

Out: 0.000+/-0.000 χ^2/NDF:41.1/43

All: 0.000+/-0.000 χ^2/NDF: 69.2/83



Right In: 0.000+/-0.000 χ^2/NDF: 2273631.3/16

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

Right Out: 0.000+/-0.000 χ^2/NDF: 3217789.3/19

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

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

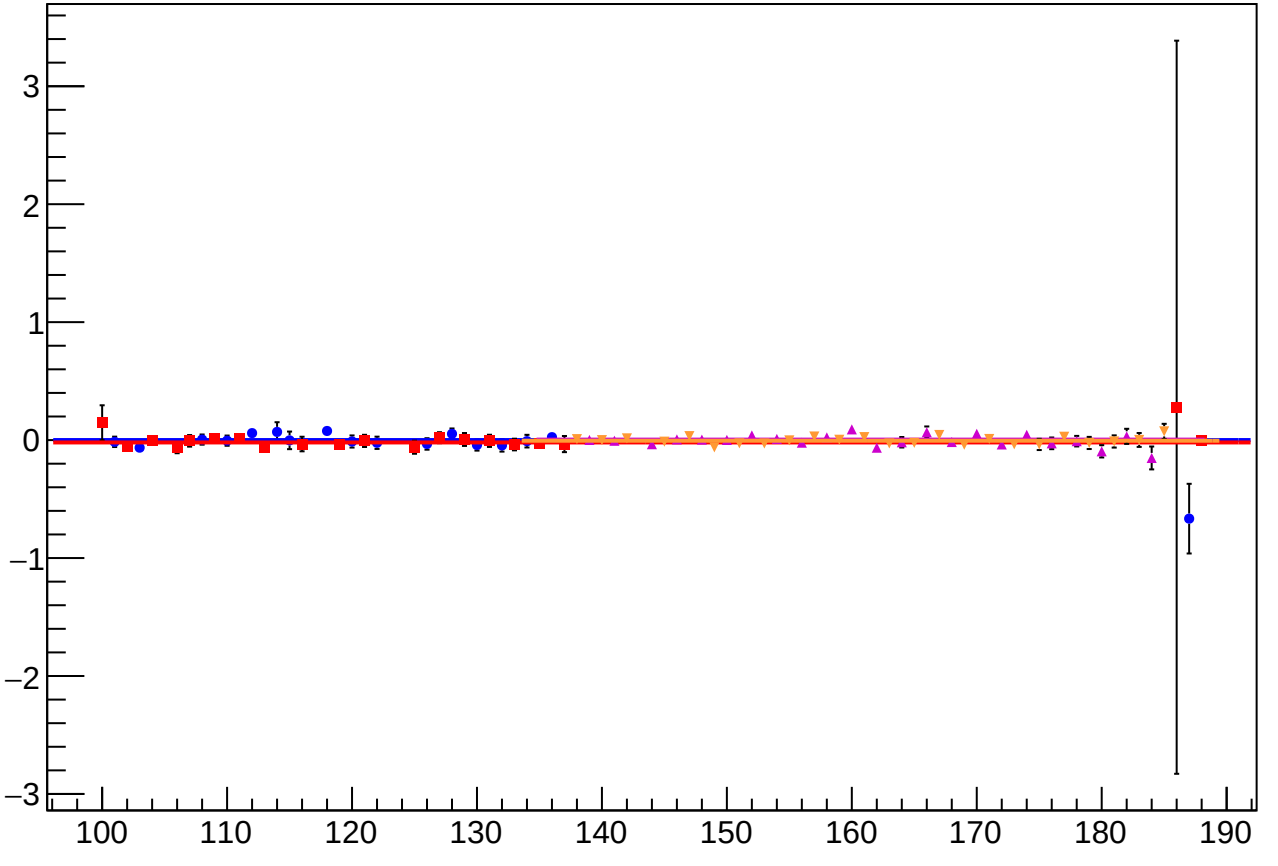
Right: 0.000+/-0.000 χ^2/NDF: 5511451.1/36

In: 0.000+/-0.000 χ^2/NDF:7391415.0/39

Out: 0.000+/-0.000 χ^2/NDF:9834058.9/43

All: 0.000+/-0.000 χ^2/NDF: 17255066.9/83

asym_us_dd_overload_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.011 χ^2/NDF: 20.4/16

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

Right Out: -0.020+/-0.010 χ^2/NDF: 9.4/19

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

Left: -0.001+/-0.005 χ^2/NDF: 48.8/46

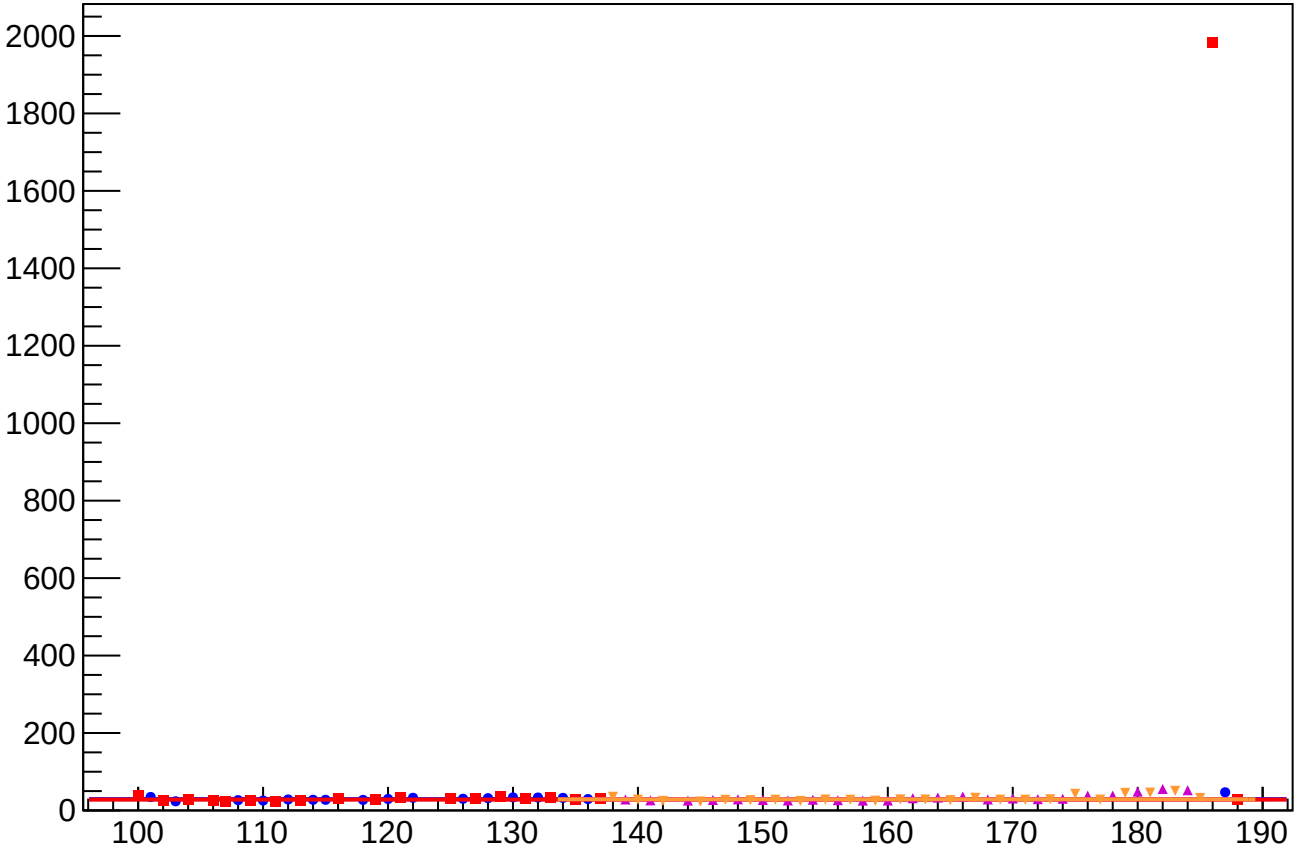
Right: -0.011+/-0.008 χ^2/NDF: 31.5/36

In: 0.003+/-0.006 χ^2/NDF:51.7/39

Out: -0.010+/-0.006 χ^2/NDF:27.5/43

All: -0.004+/-0.004 χ^2/NDF: 81.6/83

asym_us_dd_overload_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.171+/-0.008 χ^2/NDF: 184103.0/16

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

Right Out: 28.098+/-0.007 χ^2/NDF: 978667.3/19

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

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

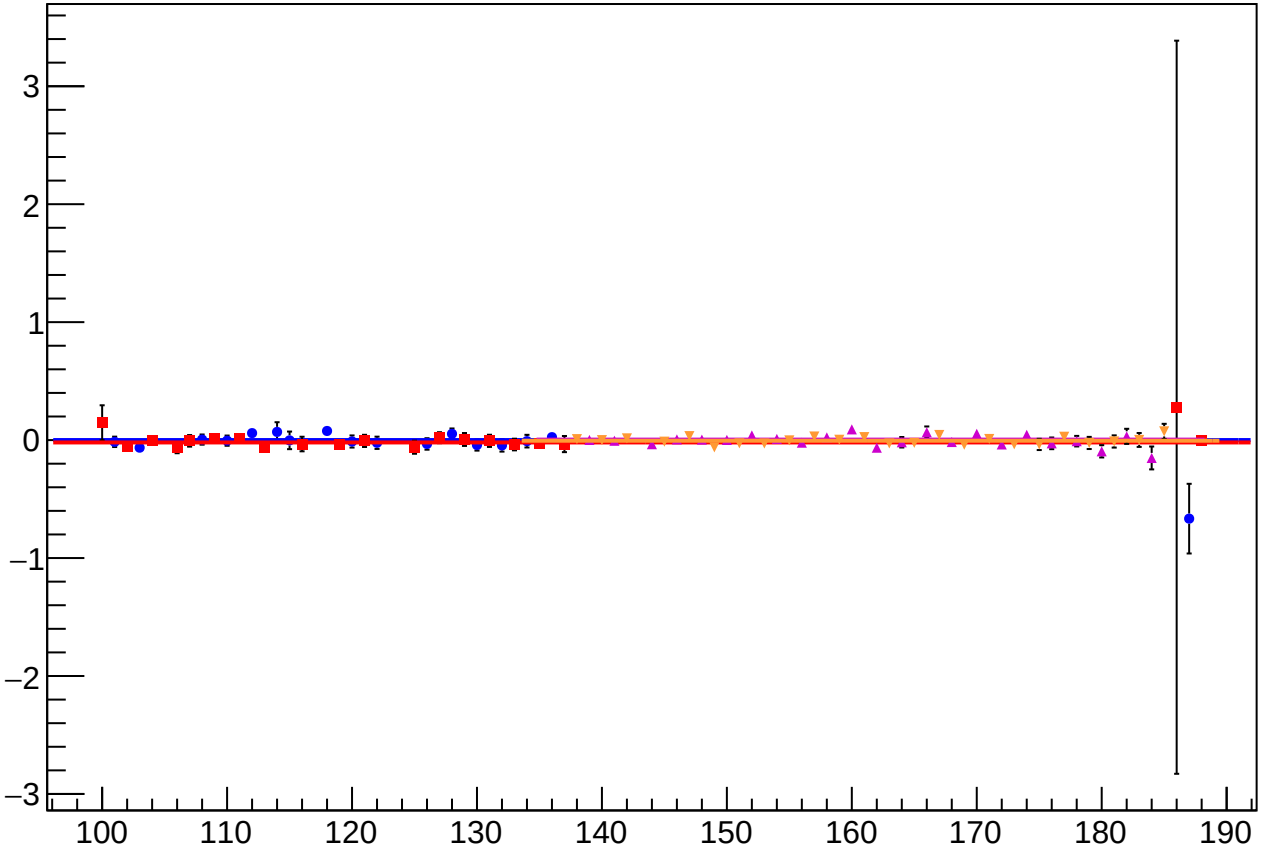
Right: 28.588+/-0.005 χ^2/NDF: 1172733.6/36

In: 29.230+/-0.004 χ^2/NDF:1324518.7/39

Out: 28.562+/-0.004 χ^2/NDF:2155278.7/43

All: 28.884+/-0.003 χ^2/NDF: 3492482.9/83

asym_us_dd_overload_cor_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.011 χ^2/NDF: 20.4/16

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

Right Out: -0.020+/-0.010 χ^2/NDF: 9.4/19

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

Left: -0.001+/-0.005 χ^2/NDF: 48.8/46

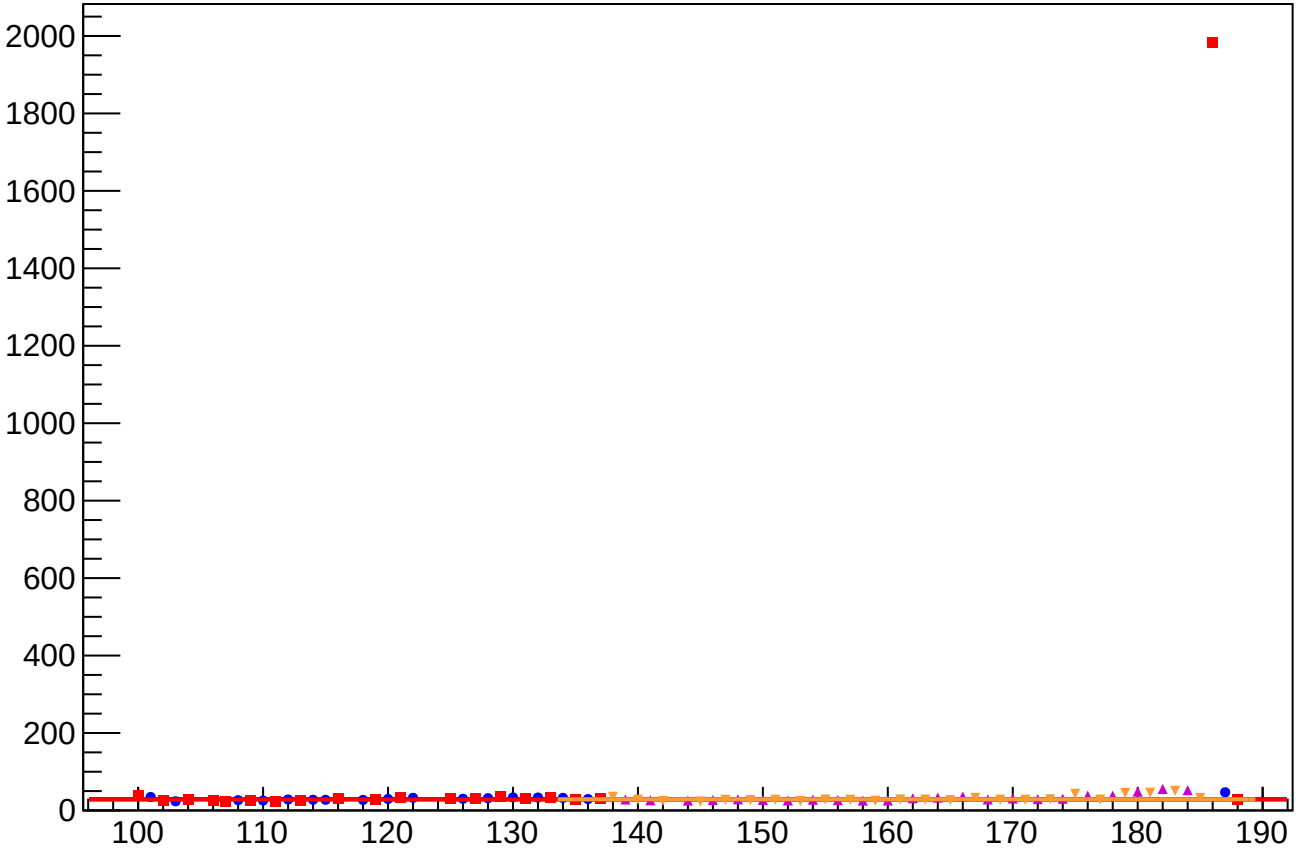
Right: -0.011+/-0.008 χ^2/NDF: 31.5/36

In: 0.003+/-0.006 χ^2/NDF:51.7/39

Out: -0.010+/-0.006 χ^2/NDF:27.5/43

All: -0.004+/-0.004 χ^2/NDF: 81.6/83

asym_us_dd_overload_cor_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.171+/-0.008 χ^2/NDF: 184103.0/16

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

Right Out: 28.098+/-0.007 χ^2/NDF: 978667.3/19

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

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

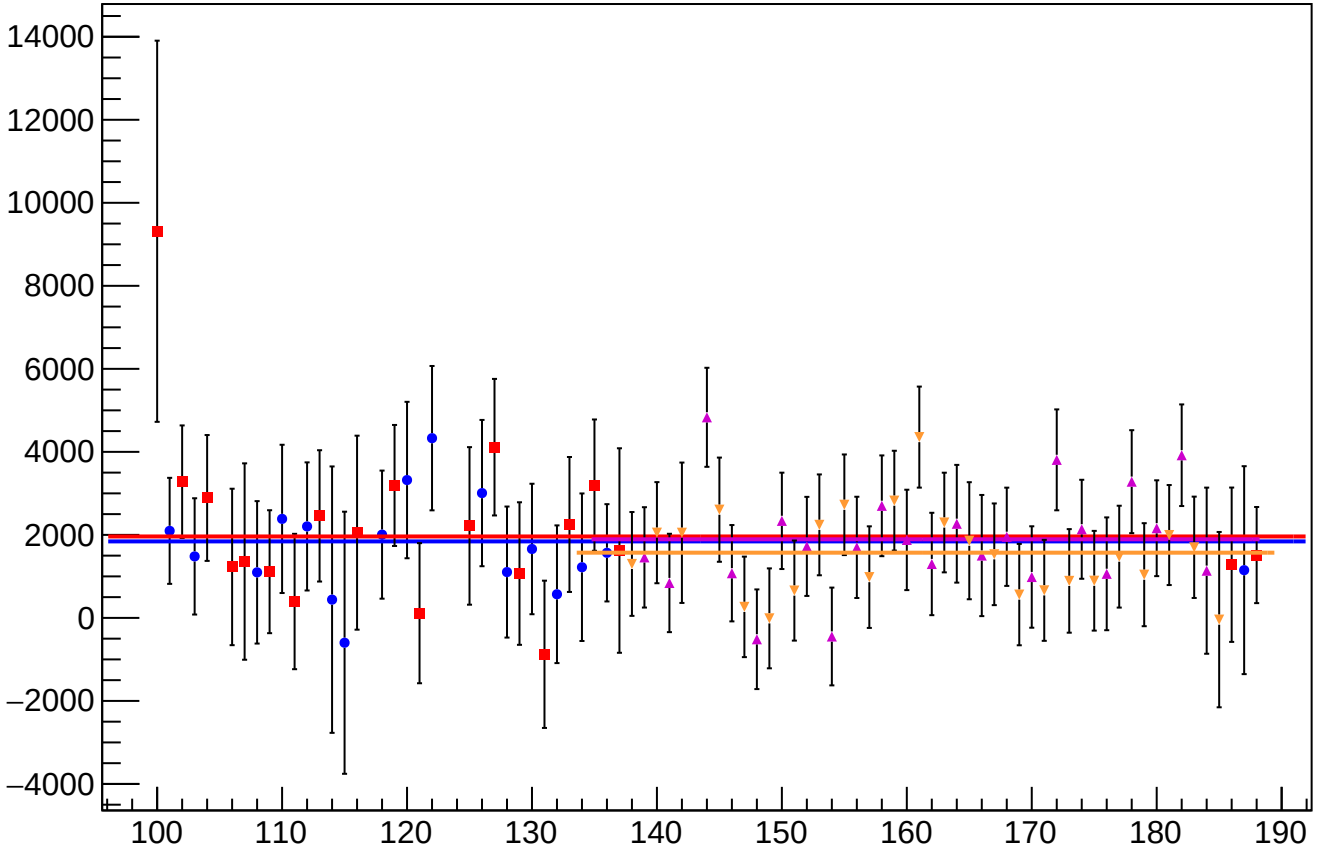
Right: 28.588+/-0.005 χ^2/NDF: 1172733.6/36

In: 29.230+/-0.004 χ^2/NDF:1324518.7/39

Out: 28.562+/-0.004 χ^2/NDF:2155278.7/43

All: 28.884+/-0.003 χ^2/NDF: 3492482.9/83

reg_asym_usl_mean vs Slug, Sign Corrected



Right In: 1843.002+/-404.157 χ^2/NDF: 5.4/16

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

Right Out: 1961.894+/-377.810 χ^2/NDF: 12.9/19

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

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

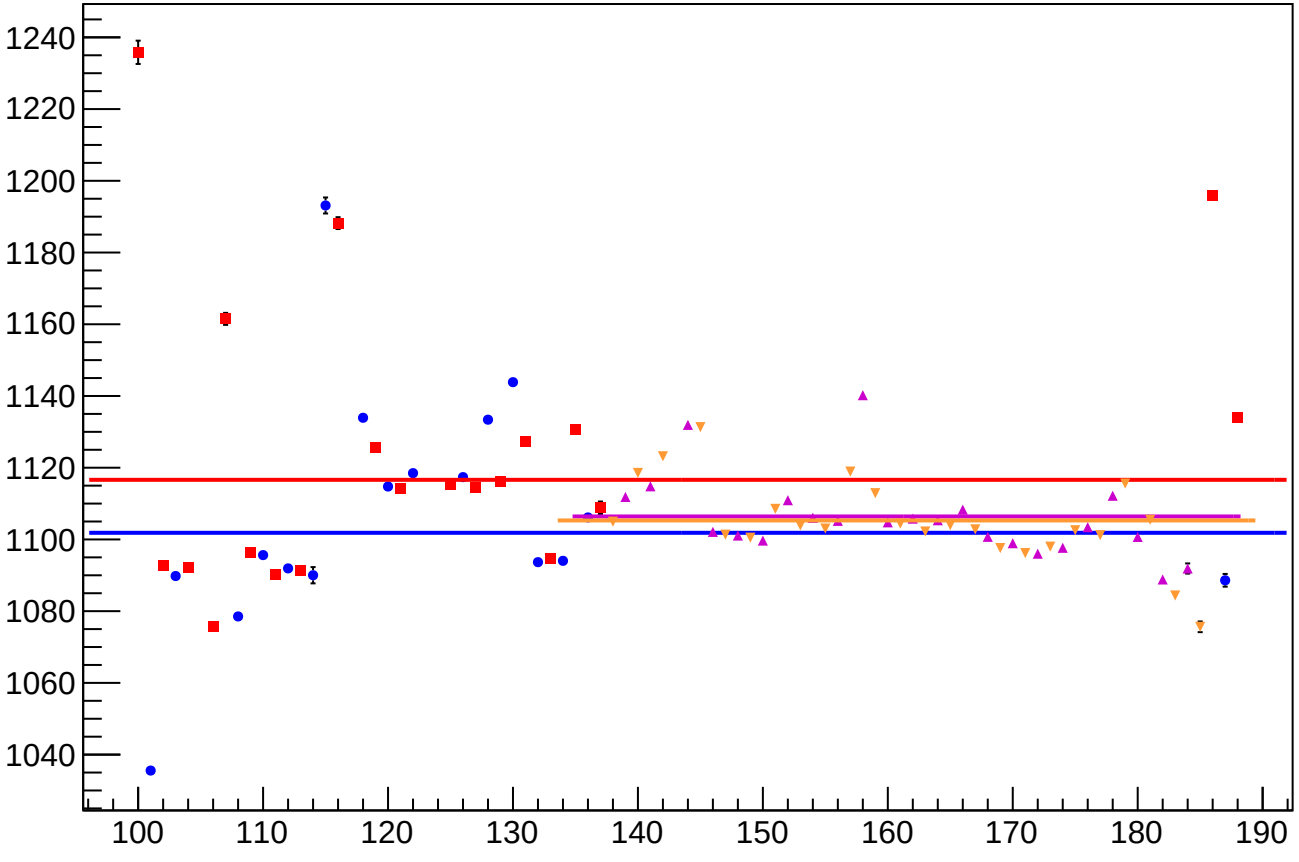
Right: 1906.449+/-275.996 χ^2/NDF: 18.3/36

In: 1878.743+/-217.670 χ^2/NDF:29.5/39

Out: 1694.389+/-212.234 χ^2/NDF:29.0/43

All: 1784.235+/-151.958 χ^2/NDF: 58.9/83

reg_asym_usl_rms vs Slug, Sign Corrected



Right In: 1101.851+/-0.286 χ^2/NDF: 11406.4/16

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

Right Out: 1116.621+/-0.267 χ^2/NDF: 12227.1/19

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

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

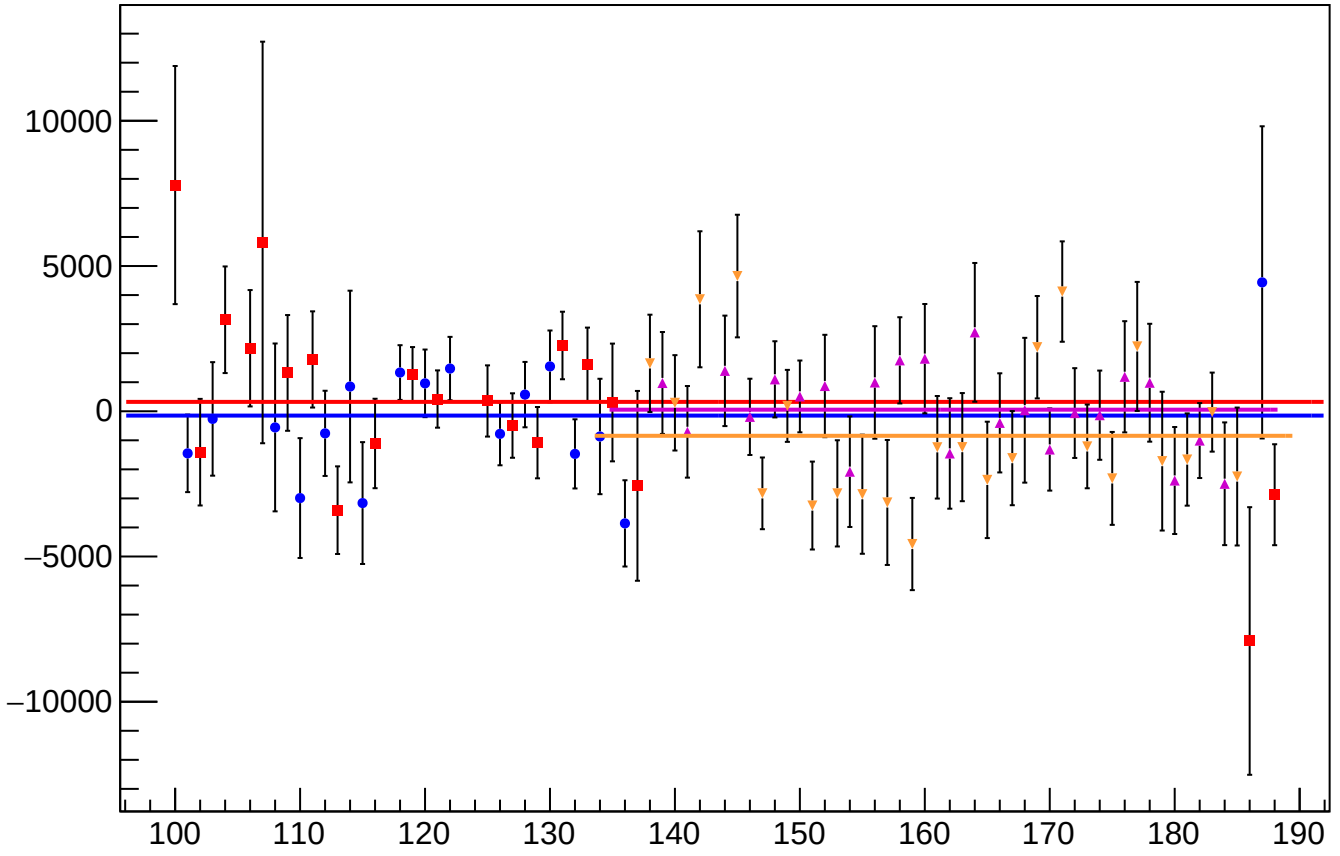
Right: 1109.733+/-0.195 χ^2/NDF: 25058.8/36

In: 1105.084+/-0.154 χ^2/NDF:15363.1/39

Out: 1108.868+/-0.150 χ^2/NDF:16619.2/43

All: 1107.024+/-0.107 χ^2/NDF: 32292.1/83

asym_usl_reg_correction_mean vs Slug, Sign Corrected



Right In: -148.937+/-344.730 χ^2/NDF: 21.7/16

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

Right Out: 322.955+/-337.536 χ^2/NDF: 30.1/19

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

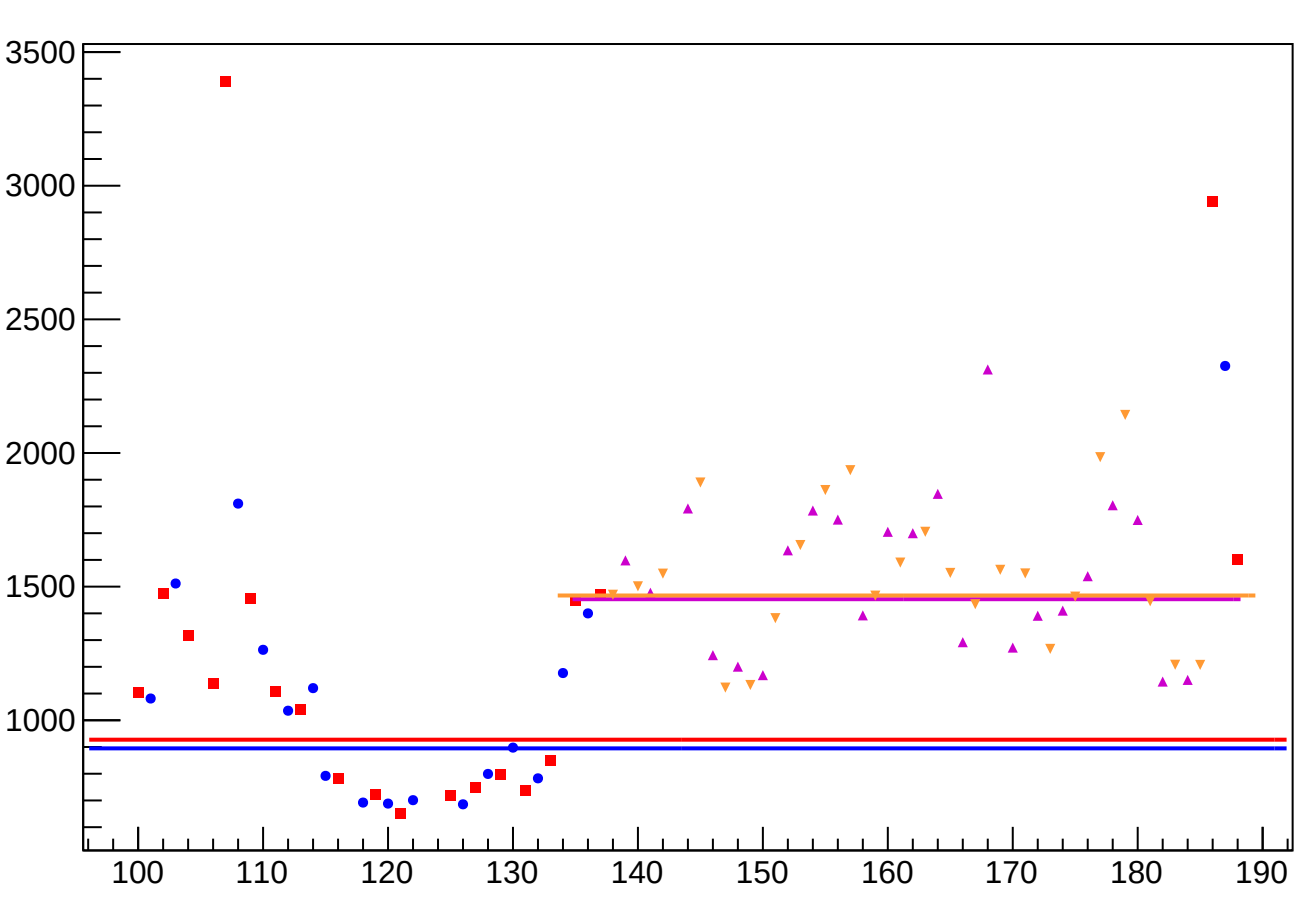
Left: -393.356+/-245.120 χ^2/NDF: 60.6/46

Right: 91.984+/-241.177 χ^2/NDF: 52.8/36

In: -47.658+/-244.195 χ^2/NDF:35.0/39

Out: -244.125+/-242.068 χ^2/NDF:80.1/43

All: -146.751+/-171.915 χ^2/NDF: 115.4/83



Right In: 894.869+/-0.244 χ^2/NDF: 1275164.2/16

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

Right Out: 927.352+/-0.239 χ^2/NDF: 2052456.3/19

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

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

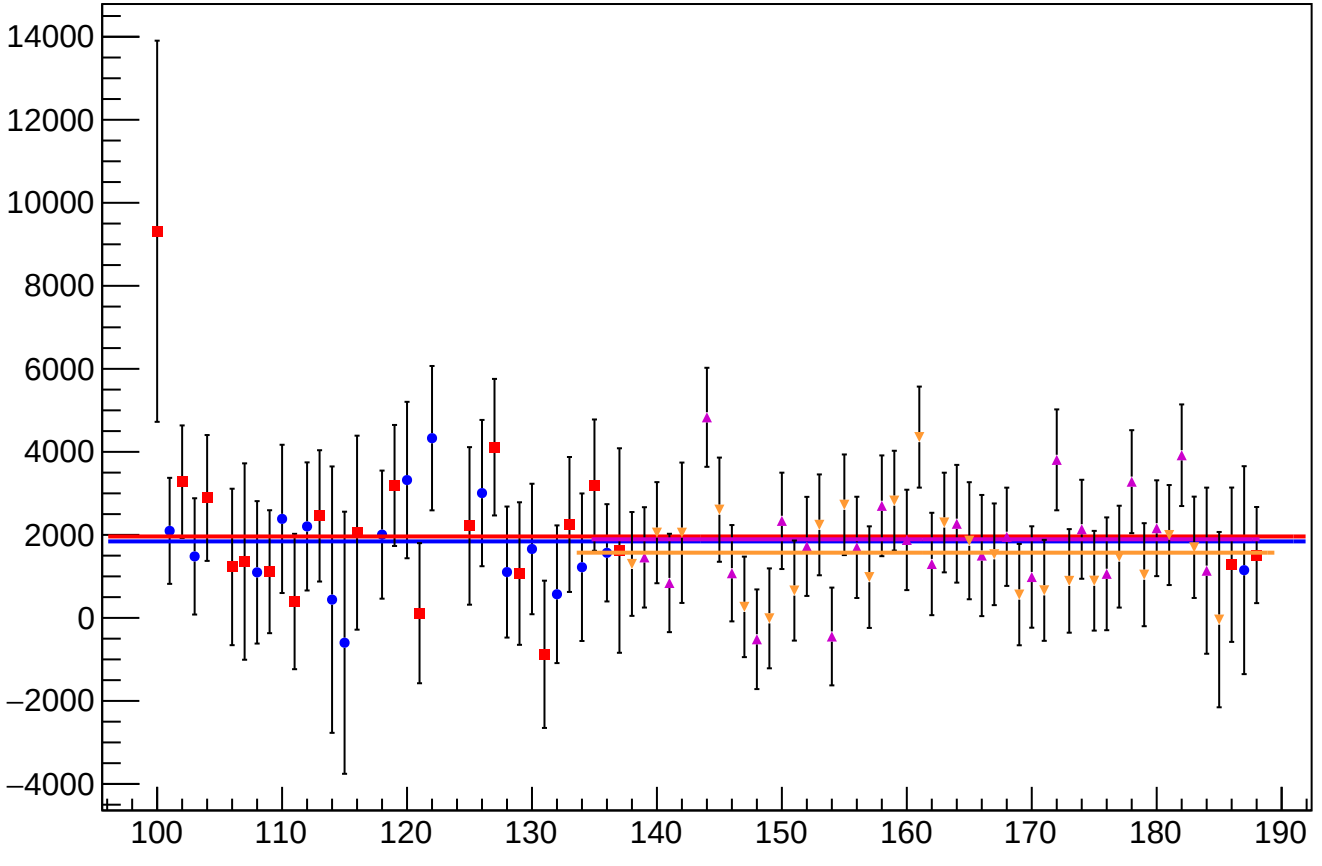
Right: 911.453+/-0.171 χ^2/NDF: 3336686.3/36

In: 1172.930+/-0.173 χ^2/NDF:5016502.7/39

Out: 1189.373+/-0.171 χ^2/NDF:5577244.5/43

All: 1181.223+/-0.122 χ^2/NDF: 10598320.9/8

cor_asym_usl_mean vs Slug, Sign Corrected



Right In: 1843.002+/-404.157 χ^2/NDF: 5.4/16

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

Right Out: 1961.894+/-377.810 χ^2/NDF: 12.9/19

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

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

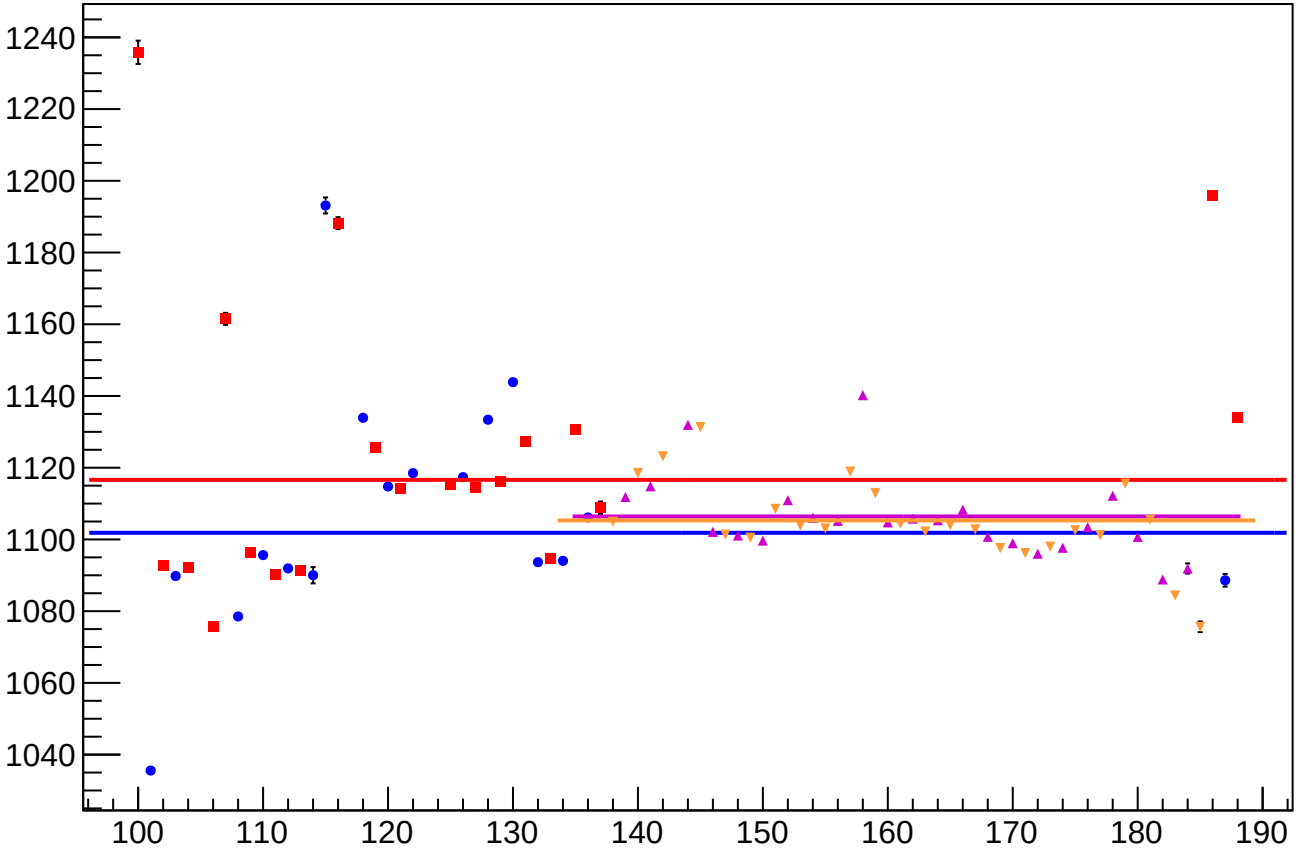
Right: 1906.449+/-275.996 χ^2/NDF: 18.3/36

In: 1878.743+/-217.670 χ^2/NDF:29.5/39

Out: 1694.389+/-212.234 χ^2/NDF:29.0/43

All: 1784.235+/-151.958 χ^2/NDF: 58.9/83

cor_asym_usl_rms vs Slug, Sign Corrected



Right In: 1101.851+/-0.286 χ^2/NDF: 11406.4/16

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

Right Out: 1116.621+/-0.267 χ^2/NDF: 12227.1/19

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

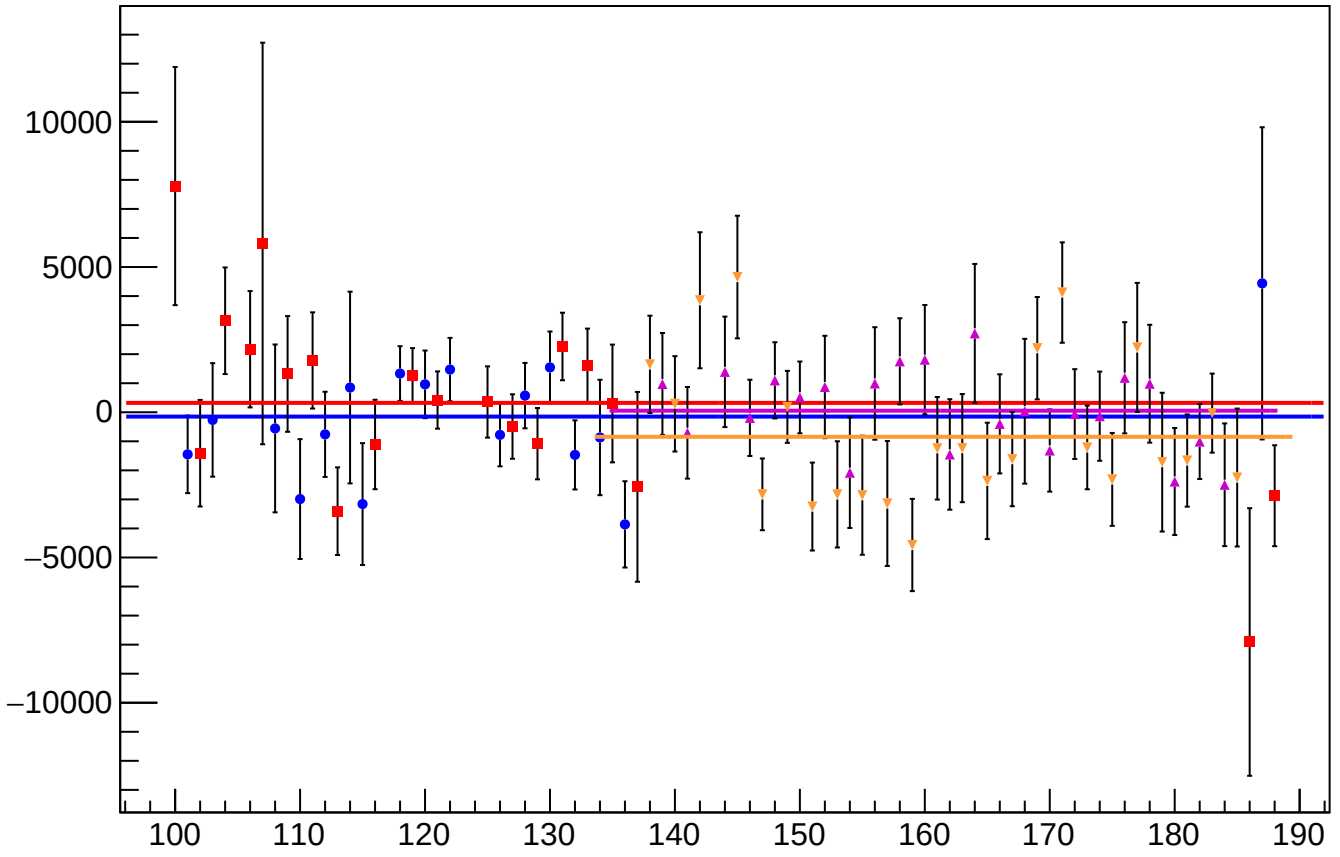
Left: 1105.846+/-0.129 χ^2/NDF: 6956.8/46

Right: 1109.733+/-0.195 χ^2/NDF: 25058.8/36

In: 1105.084+/-0.154 χ^2/NDF:15363.1/39

Out: 1108.868+/-0.150 χ^2/NDF:16619.2/43

All: 1107.024+/-0.107 χ^2/NDF: 32292.1/83



Right In: -148.937+/-344.730 χ^2/NDF: 21.7/16

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

Right Out: 322.955+/-337.536 χ^2/NDF: 30.1/19

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

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

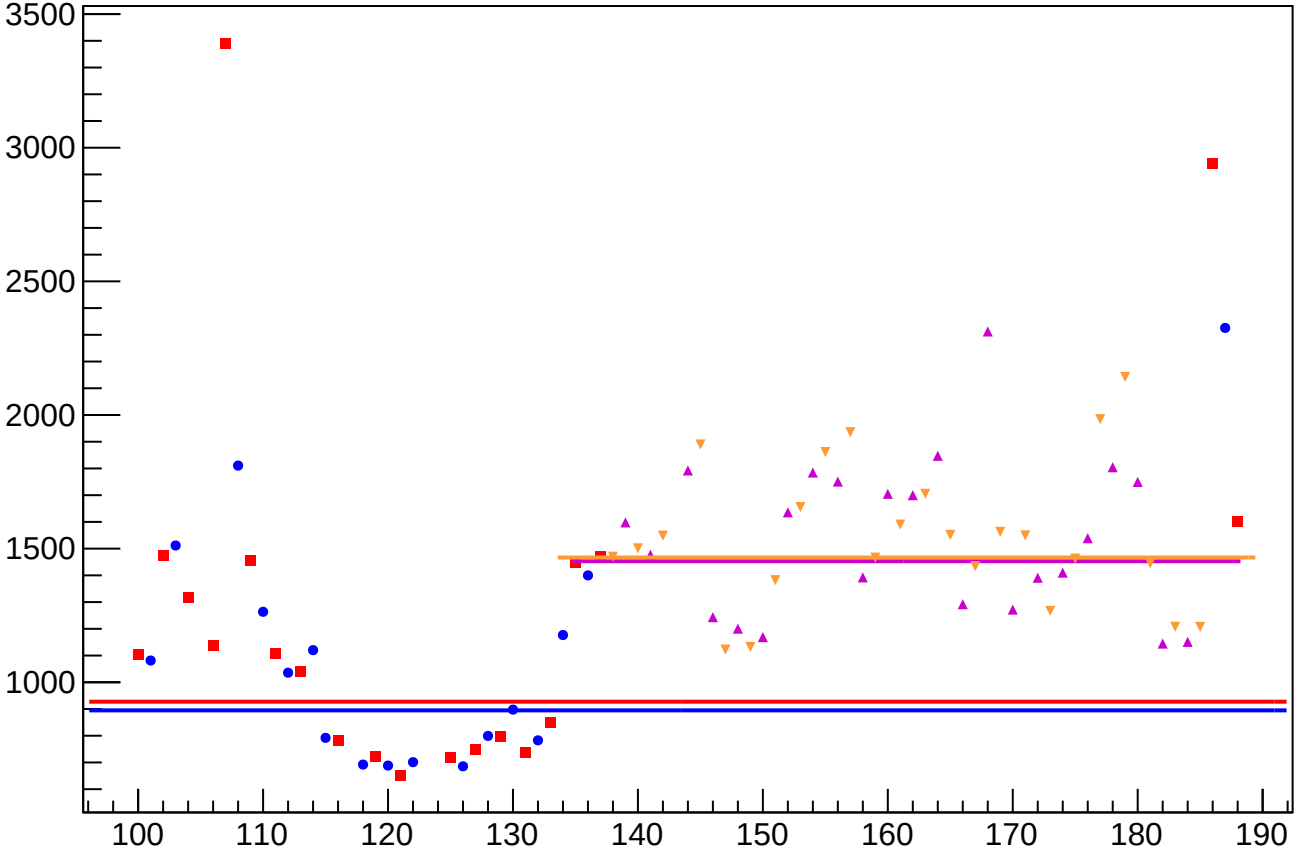
Right: 91.984+/-241.177 χ^2/NDF: 52.8/36

In: -47.658+/-244.195 χ^2/NDF:35.0/39

Out: -244.125+/-242.068 χ^2/NDF:80.1/43

All: -146.751+/-171.915 χ^2/NDF: 115.4/83

asym_usl_cor_correction_rms vs Slug, Sign Corrected



Right In: 894.869+/-0.244 χ^2/NDF: 1275164.2/16

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

Right Out: 927.352+/-0.239 χ^2/NDF: 2052456.3/19

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

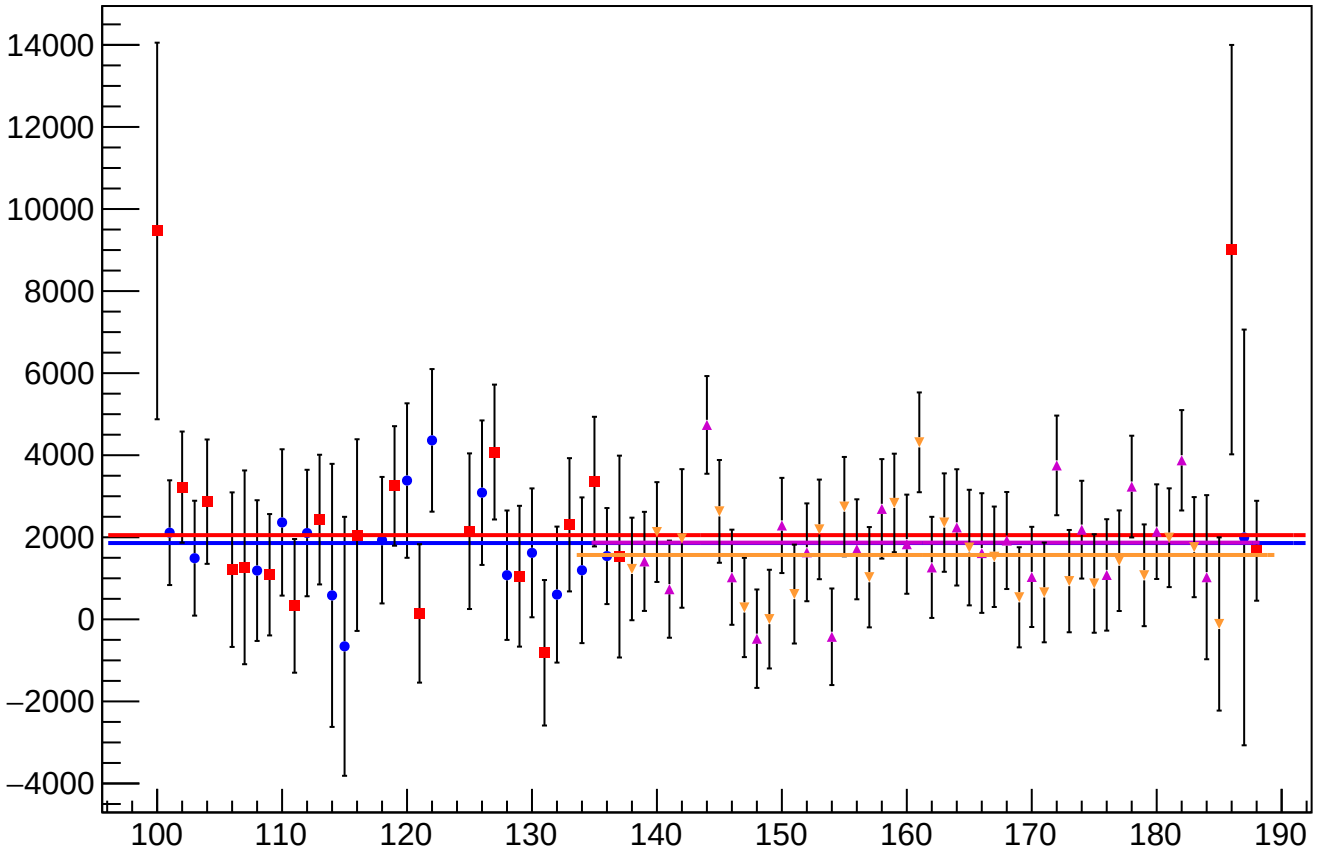
Left: 1459.887+/-0.173 χ^2/NDF: 2174470.2/46

Right: 911.453+/-0.171 χ^2/NDF: 3336686.3/36

In: 1172.930+/-0.173 χ^2/NDF:5016502.7/39

Out: 1189.373+/-0.171 χ^2/NDF:5577244.5/43

All: 1181.223+/-0.122 χ^2/NDF: 10598320.9/8



Right In: 1859.573+/-407.842 χ^2/NDF: 5.4/16

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

Right Out: 2052.460+/-386.451 χ^2/NDF: 14.8/19

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

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

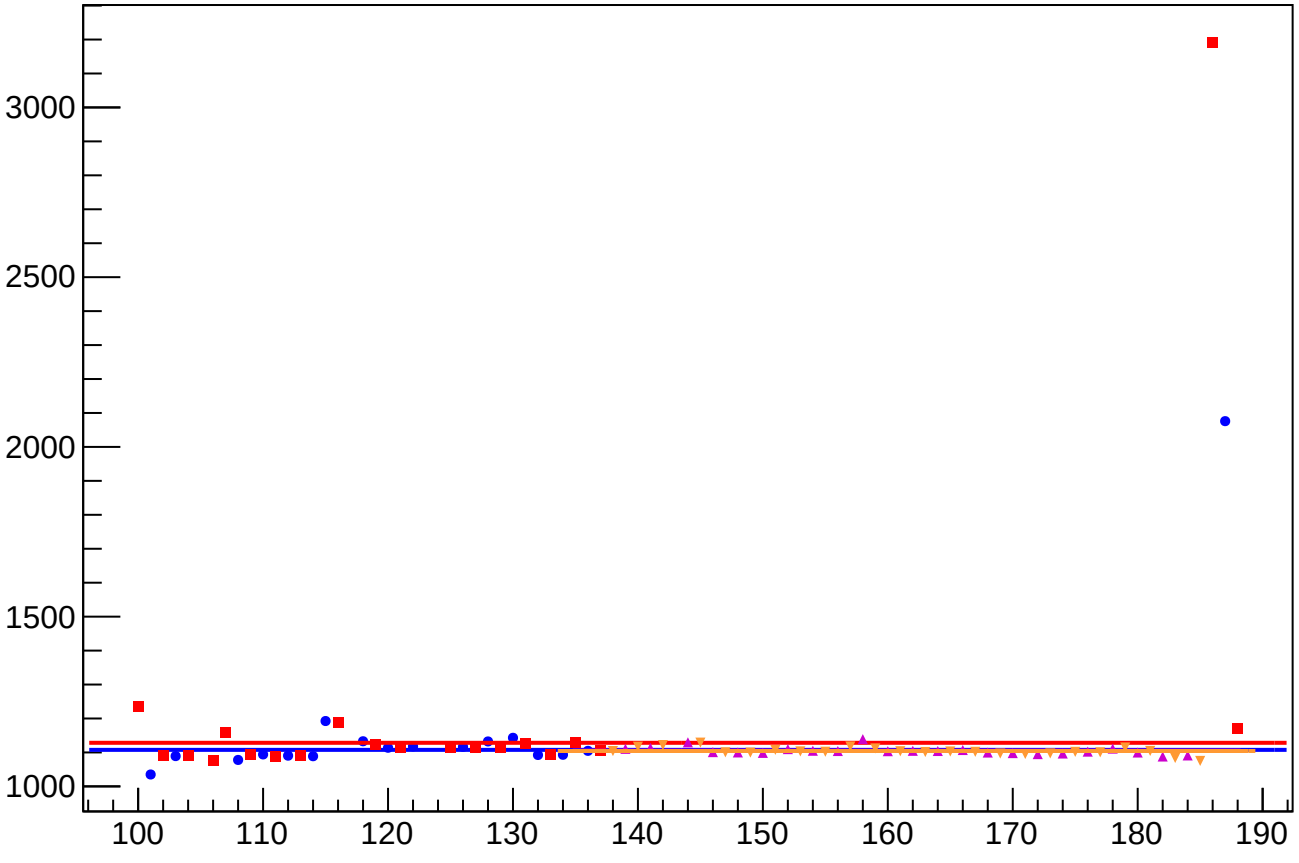
Right: 1961.208+/-280.519 χ^2/NDF: 20.3/36

In: 1866.549+/-218.096 χ^2/NDF:28.8/39

Out: 1716.537+/-213.591 χ^2/NDF:31.3/43

All: 1789.977+/-152.599 χ^2/NDF: 60.4/83

overload_cor_asym_usl_rms vs Slug, Sign Corrected



Right In: 1107.572+/-0.288 χ^2/NDF: 84862.0/16

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

Right Out: 1128.387+/-0.273 χ^2/NDF: 356074.9/19

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

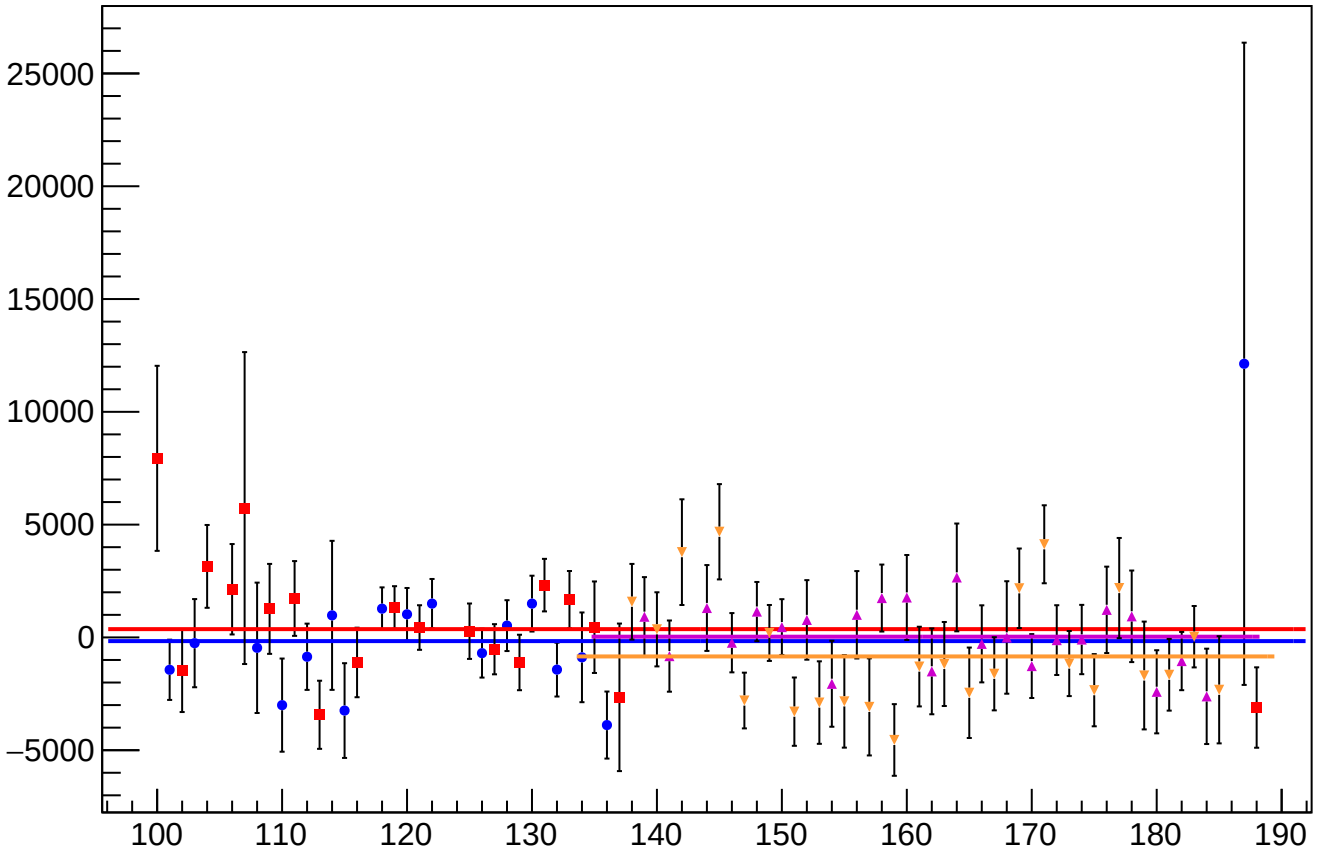
Left: 1104.815+/-0.129 χ^2/NDF: 6679.3/46

Right: 1118.539+/-0.198 χ^2/NDF: 443681.8/36

In: 1106.007+/-0.154 χ^2/NDF:88564.3/39

Out: 1111.629+/-0.151 χ^2/NDF:364489.0/43

All: 1108.877+/-0.108 χ^2/NDF: 453731.6/83



Right In: -163.668+/-345.878 χ^2/NDF: 21.7/16

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

Right Out: 367.281+/-339.247 χ^2/NDF: 27.9/18

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

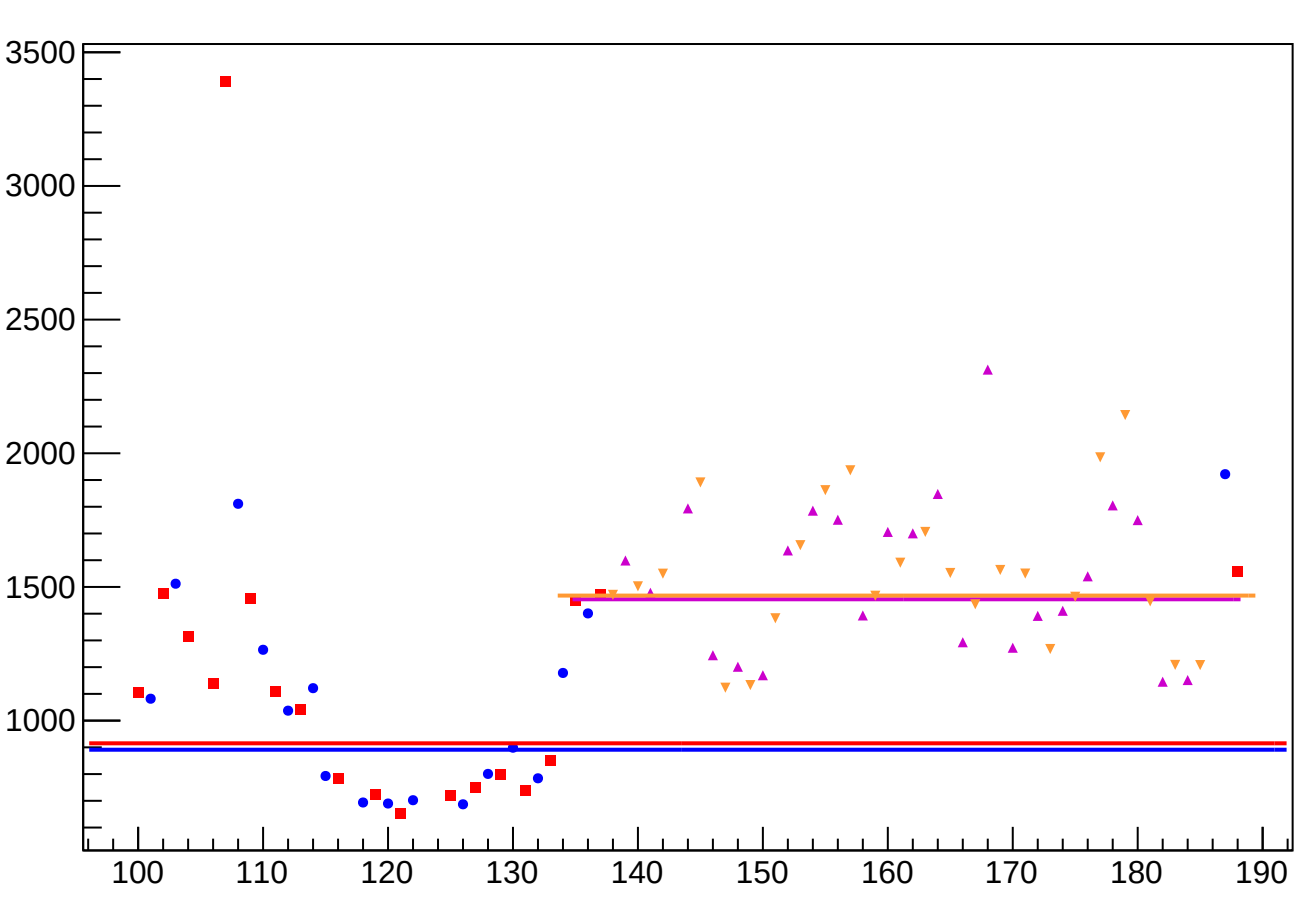
Left: -404.203+/-245.256 χ^2/NDF: 60.3/46

Right: 106.945+/-242.194 χ^2/NDF: 50.7/35

In: -66.218+/-244.671 χ^2/NDF:34.9/39

Out: -223.387+/-242.762 χ^2/NDF:78.1/42

All: -145.418+/-172.330 χ^2/NDF: 113.2/82



Right In: 891.103+/-0.245 χ^2/NDF: 1139231.6/16

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

Right Out: 915.093+/-0.240 χ^2/NDF: 1611492.8/18

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

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

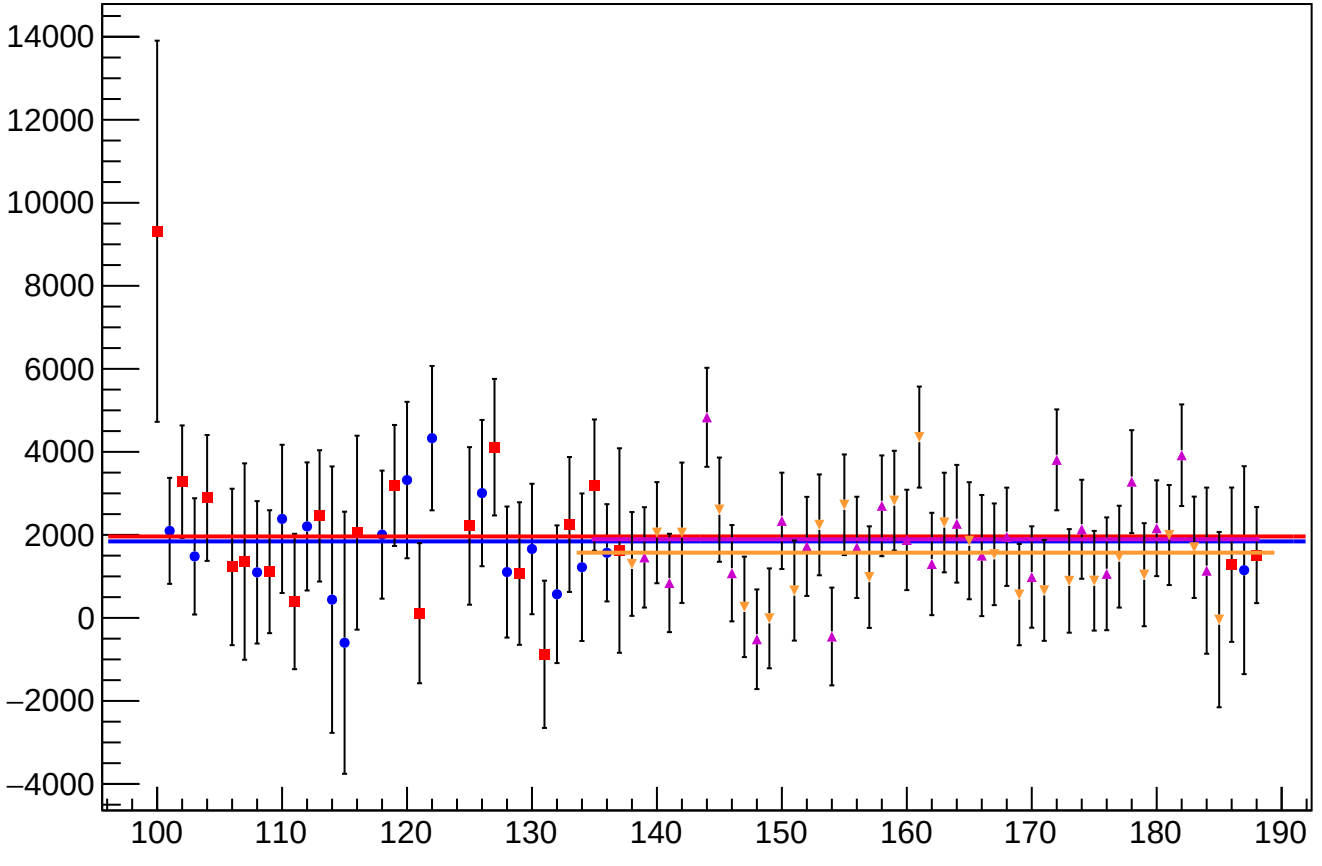
Right: 903.330+/-0.171 χ^2/NDF: 2755628.1/35

In: 1172.243+/-0.173 χ^2/NDF:4912113.5/39

Out: 1184.725+/-0.172 χ^2/NDF:5242673.9/42

All: 1178.533+/-0.122 χ^2/NDF: 10157410.0/8

eigen_cor_asym_usl_mean vs Slug, Sign Corrected



Right In: 1843.002+/-404.157 χ^2/NDF: 5.4/16

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

Right Out: 1961.894+/-377.810 χ^2/NDF: 12.9/19

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

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

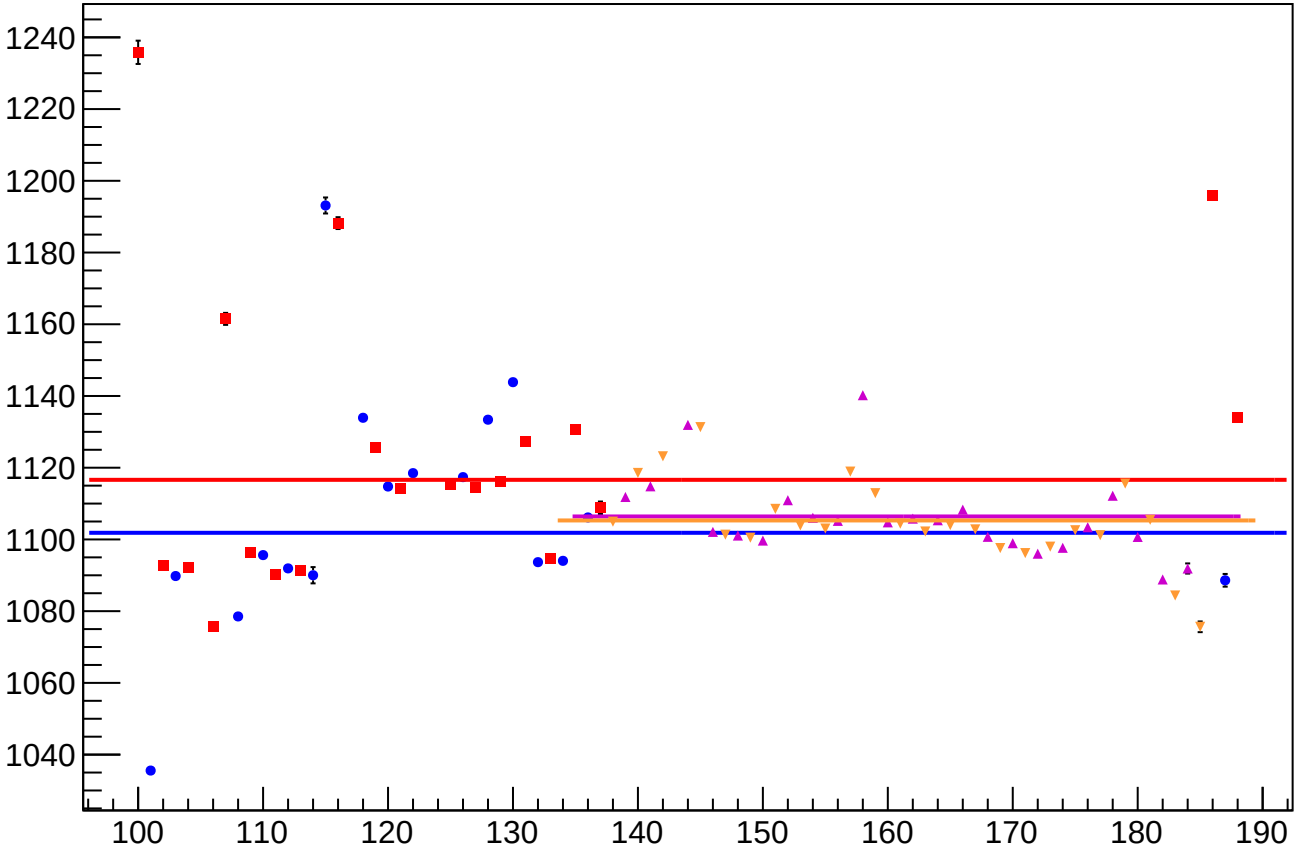
Right: 1906.449+/-275.996 χ^2/NDF: 18.3/36

In: 1878.743+/-217.670 χ^2/NDF:29.5/39

Out: 1694.389+/-212.234 χ^2/NDF:29.0/43

All: 1784.235+/-151.958 χ^2/NDF: 58.9/83

eigen_cor_asym_usl_rms vs Slug, Sign Corrected



Right In: 1101.851+/-0.286 χ^2/NDF: 11406.4/16

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

Right Out: 1116.621+/-0.267 χ^2/NDF: 12227.1/19

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

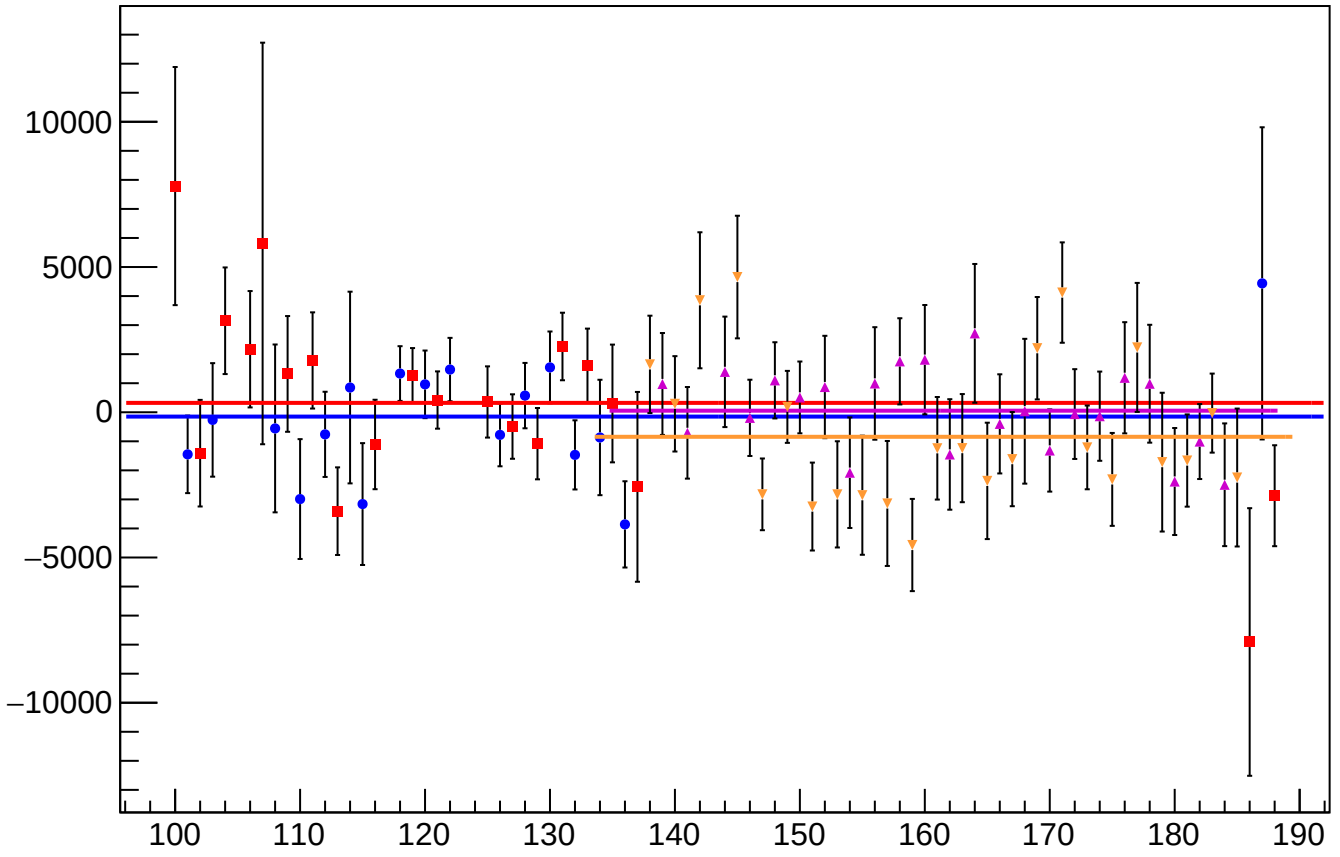
Left: 1105.846+/-0.129 χ^2/NDF: 6956.8/46

Right: 1109.733+/-0.195 χ^2/NDF: 25058.8/36

In: 1105.084+/-0.154 χ^2/NDF:15363.1/39

Out: 1108.868+/-0.150 χ^2/NDF:16619.2/43

All: 1107.024+/-0.107 χ^2/NDF: 32292.1/83



Right In: -148.937+/-344.730 χ^2/NDF: 21.7/16

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

Right Out: 322.955+/-337.536 χ^2/NDF: 30.1/19

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

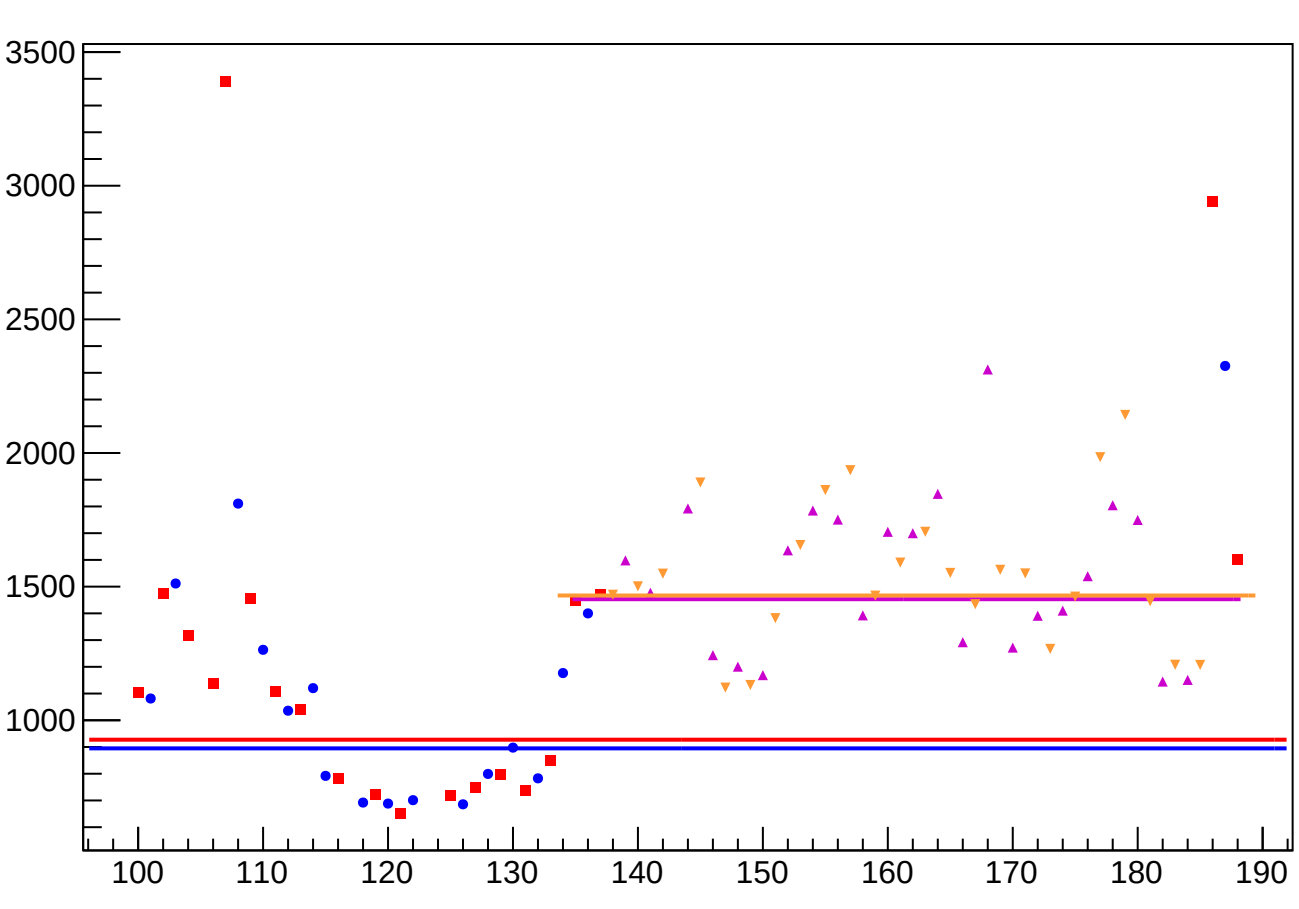
Left: -393.356+/-245.120 χ^2/NDF: 60.6/46

Right: 91.984+/-241.177 χ^2/NDF: 52.8/36

In: -47.658+/-244.195 χ^2/NDF:35.0/39

Out: -244.125+/-242.068 χ^2/NDF:80.1/43

All: -146.751+/-171.915 χ^2/NDF: 115.4/83



Right In: 894.869+/-0.244 χ^2/NDF: 1275164.2/16

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

Right Out: 927.352+/-0.239 χ^2/NDF: 2052456.3/19

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

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

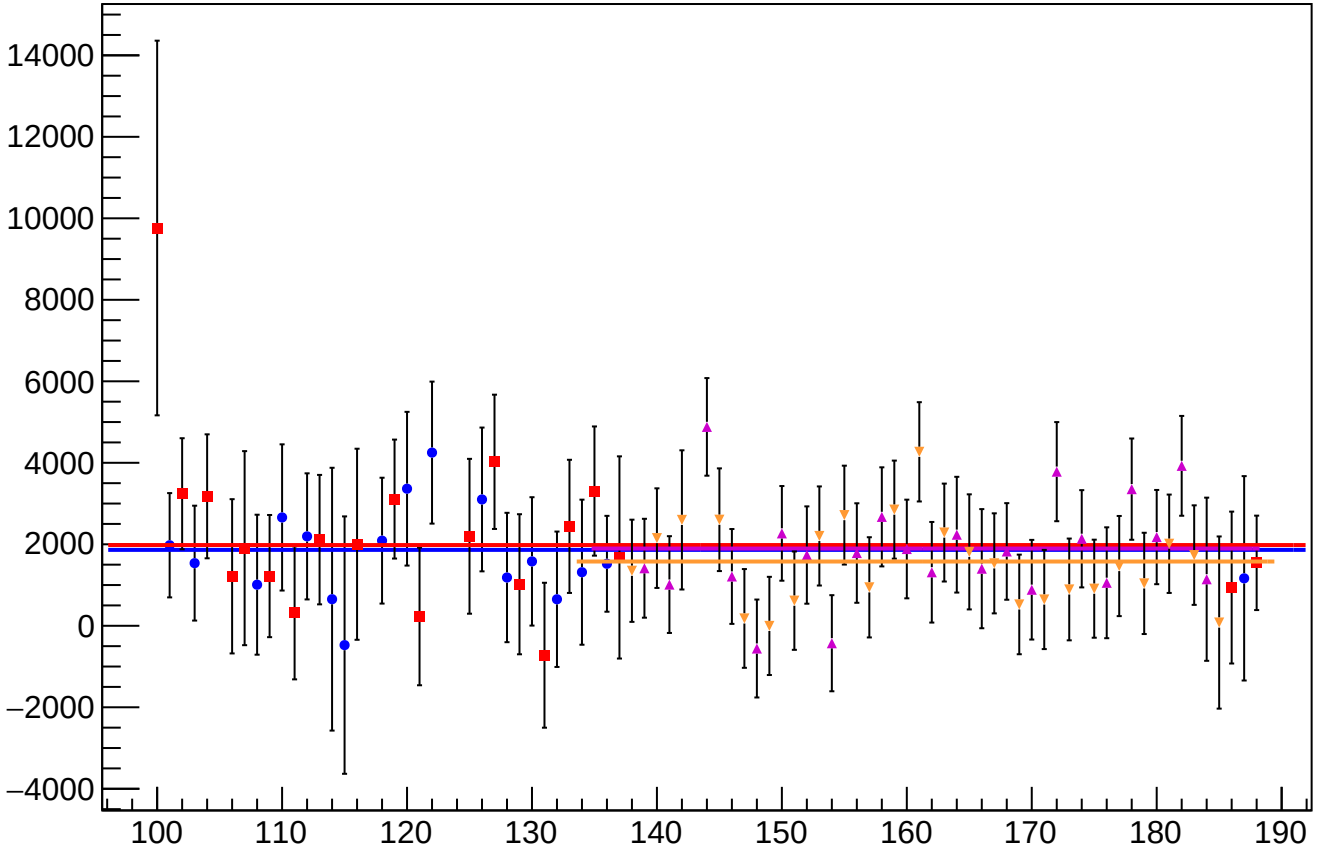
Right: 911.453+/-0.171 χ^2/NDF: 3336686.3/36

In: 1172.930+/-0.173 χ^2/NDF:5016502.7/39

Out: 1189.373+/-0.171 χ^2/NDF:5577244.5/43

All: 1181.223+/-0.122 χ^2/NDF: 10598320.9/8

dit_asym_usl_mean vs Slug, Sign Corrected



Right In: 1862.810+/-405.302 χ^2/NDF: 5.3/16

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

Right Out: 1981.316+/-379.081 χ^2/NDF: 12.9/19

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

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

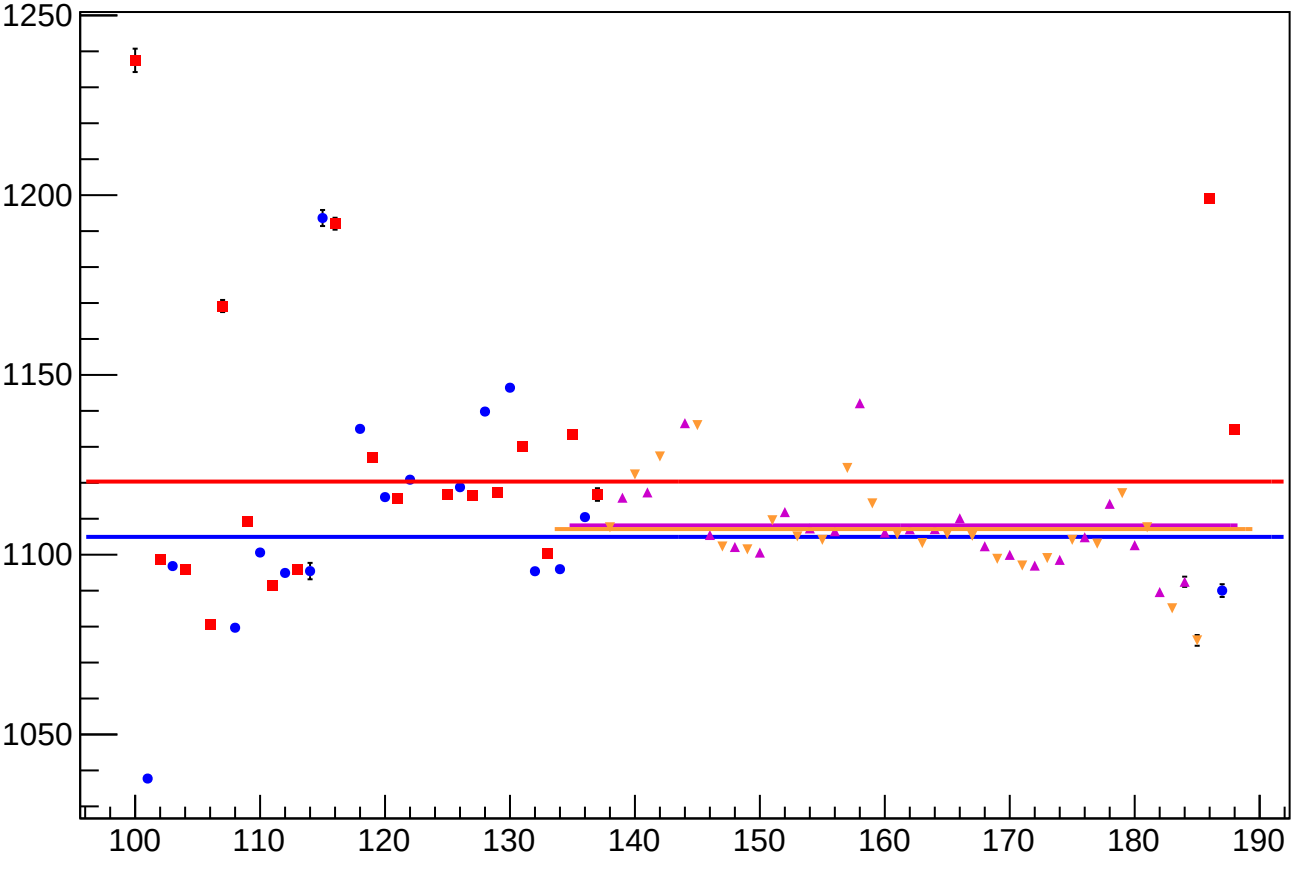
Right: 1926.020+/-276.856 χ^2/NDF: 18.2/36

In: 1886.068+/-218.095 χ^2/NDF:29.4/39

Out: 1704.593+/-212.724 χ^2/NDF:29.2/43

All: 1793.069+/-152.282 χ^2/NDF: 58.9/83

dit_asym_usl_rms vs Slug, Sign Corrected



Right In: 1104.955+/-0.287 χ^2/NDF: 11403.7/16

Left Out: 1107.127+/-0.182 χ^2/NDF:3783.7/23

Right Out: 1120.338+/-0.268 χ^2/NDF: 11582.1/19

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

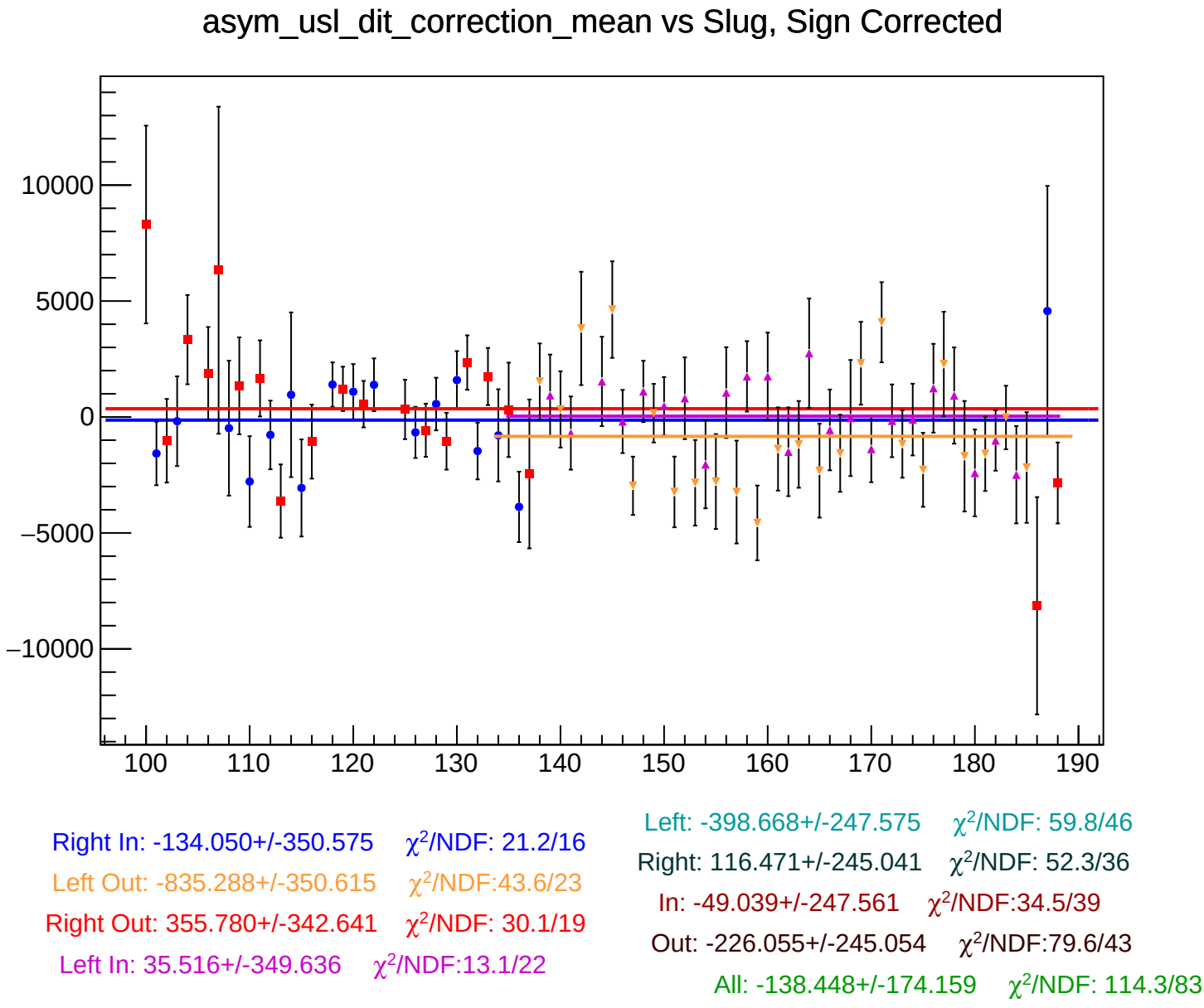
Left: 1107.633+/-0.129 χ^2/NDF: 7989.9/46

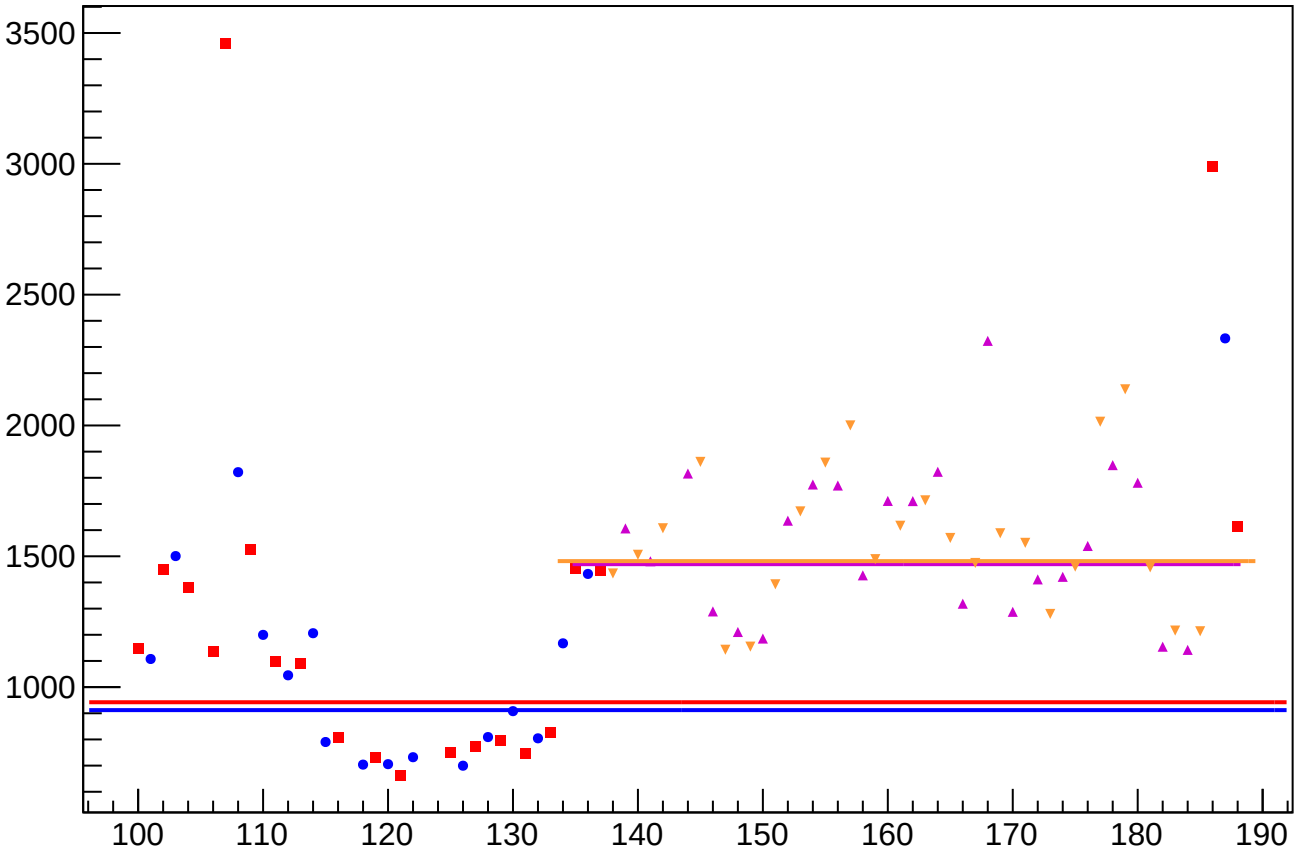
Right: 1113.160+/-0.196 χ^2/NDF: 24522.7/36

In: 1107.221+/-0.154 χ^2/NDF:15682.3/39

Out: 1111.287+/-0.150 χ^2/NDF:17030.1/43

All: 1109.305+/-0.108 χ^2/NDF: 33068.6/83


asym_usl_dit_correction_mean vs Slug, Sign Corrected
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
180
190
Right In: -134.050+/-350.575 χ²/NDF: 21.2/16
Left Out: -835.288+/-350.615 χ²/NDF:43.6/23
Right Out: 355.780+/-342.641 χ²/NDF: 30.1/19
Left In: 35.516+/-349.636 χ²/NDF:13.1/22
Left: -398.668+/-247.575 χ²/NDF: 59.8/46
Right: 116.471+/-245.041 χ²/NDF: 52.3/36
In: -49.039+/-247.561 χ²/NDF:34.5/39
Out: -226.055+/-245.054 χ²/NDF:79.6/43
All: -138.448+/-174.159 χ²/NDF: 114.3/83



Right In: 912.061+/-0.248 χ^2/NDF: 1218741.9/16

Left Out: 1481.543+/-0.248 χ^2/NDF:1017463.8/23

Right Out: 942.188+/-0.242 χ^2/NDF: 2040690.5/19

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

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

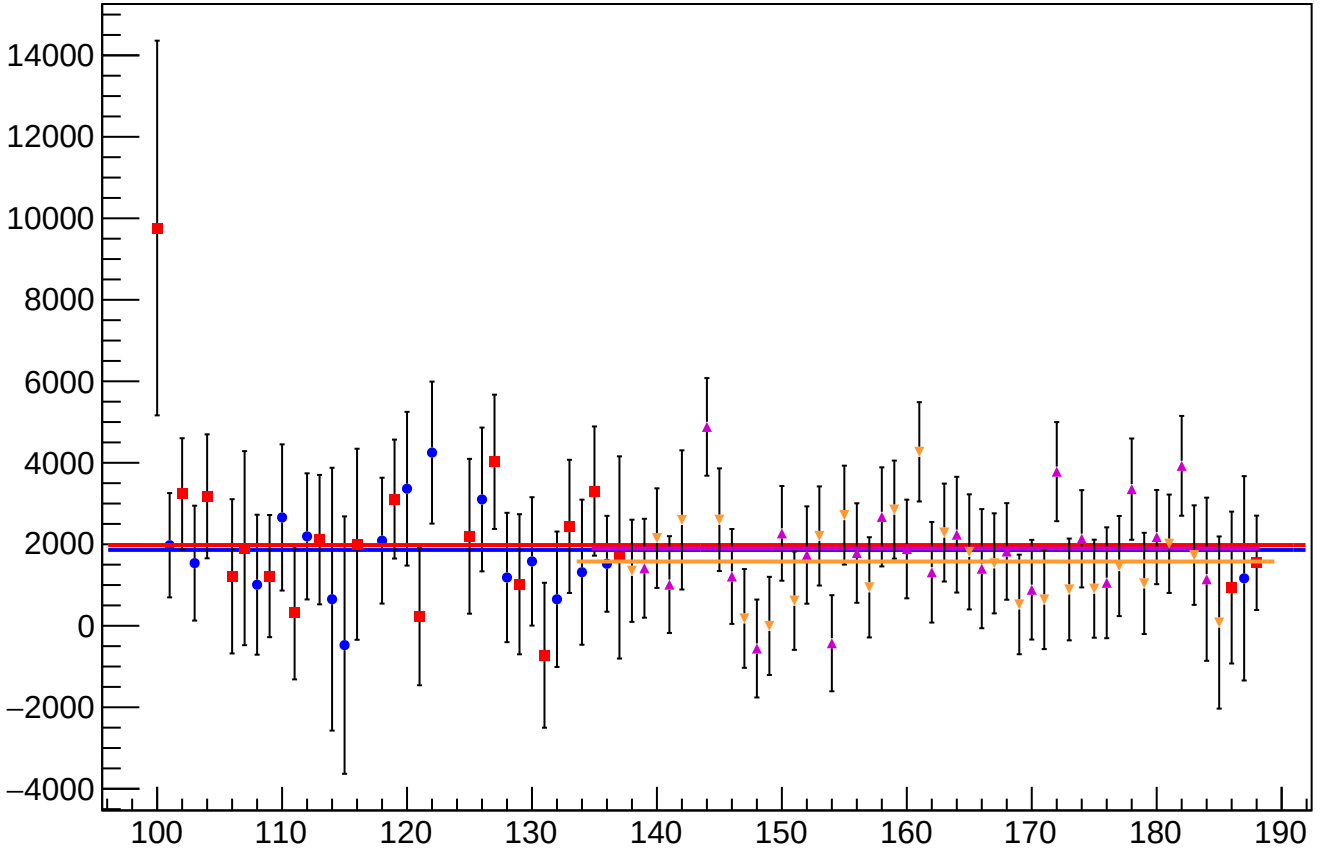
Right: 927.469+/-0.173 χ^2/NDF: 3266986.3/36

In: 1191.732+/-0.175 χ^2/NDF:4852607.2/39

Out: 1205.662+/-0.173 χ^2/NDF:5478997.6/43

All: 1198.768+/-0.123 χ^2/NDF: 10334803.1/8

eigen_dit_asym_usl_mean vs Slug, Sign Corrected



Right In: 1862.810+/-405.302 χ^2/NDF: 5.3/16

Left Out: 1577.399+/-257.003 χ^2/NDF:15.5/23

Right Out: 1981.313+/-379.081 χ^2/NDF: 12.9/19

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

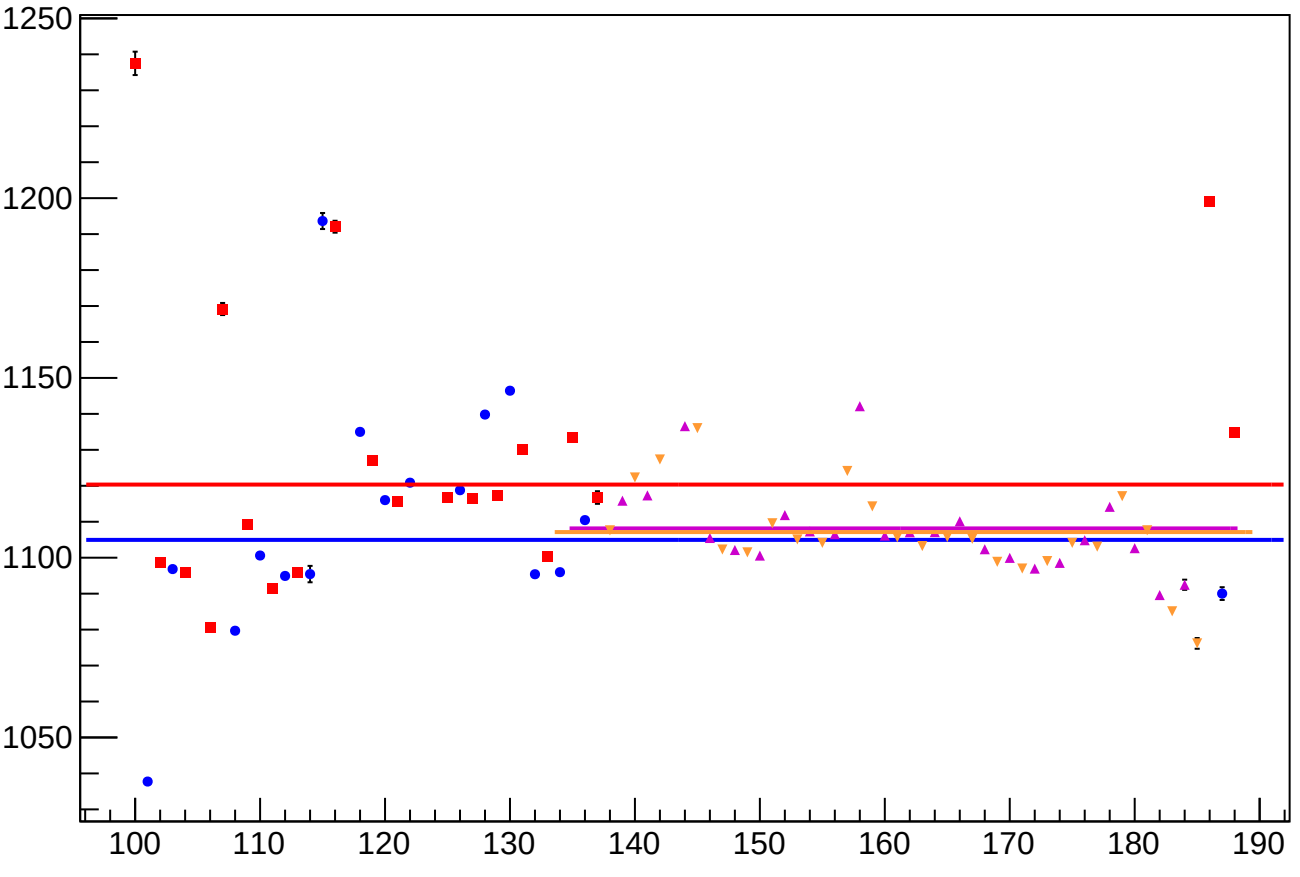
Left: 1735.396+/-182.343 χ^2/NDF: 40.4/46

Right: 1926.019+/-276.856 χ^2/NDF: 18.2/36

In: 1886.069+/-218.095 χ^2/NDF:29.4/39

Out: 1704.591+/-212.724 χ^2/NDF:29.2/43

All: 1793.068+/-152.282 χ^2/NDF: 58.9/83



Right In: 1104.955+/-0.287 χ^2/NDF: 11403.7/16

Left Out: 1107.127+/-0.182 χ^2/NDF:3783.7/23

Right Out: 1120.338+/-0.268 χ^2/NDF: 11582.1/19

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

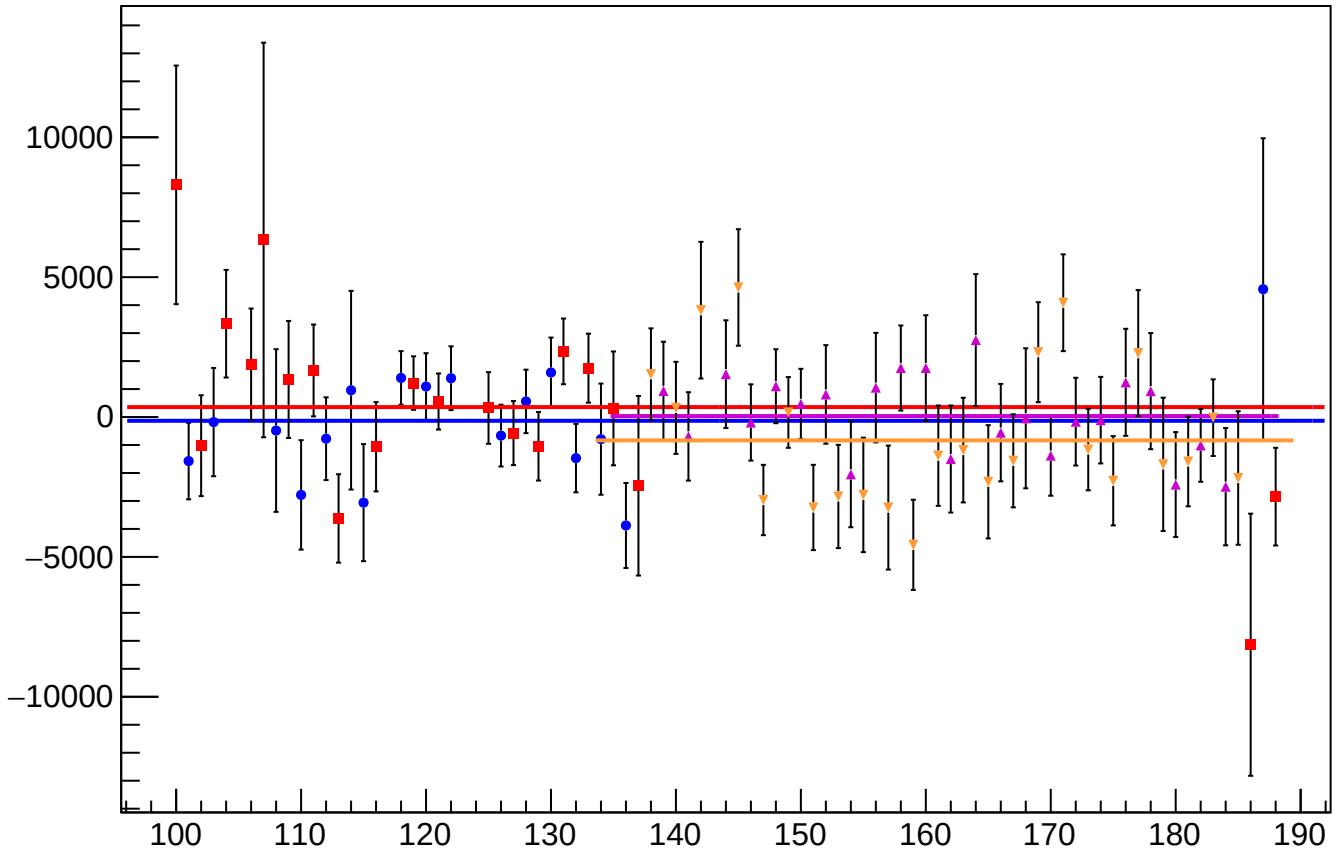
Left: 1107.633+/-0.129 χ^2/NDF: 7989.9/46

Right: 1113.160+/-0.196 χ^2/NDF: 24522.7/36

In: 1107.221+/-0.154 χ^2/NDF:15682.3/39

Out: 1111.287+/-0.150 χ^2/NDF:17030.1/43

All: 1109.305+/-0.108 χ^2/NDF: 33068.6/83



Right In: -134.049+/-350.574 χ^2/NDF: 21.2/16

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

Right Out: 355.780+/-342.640 χ^2/NDF: 30.1/19

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

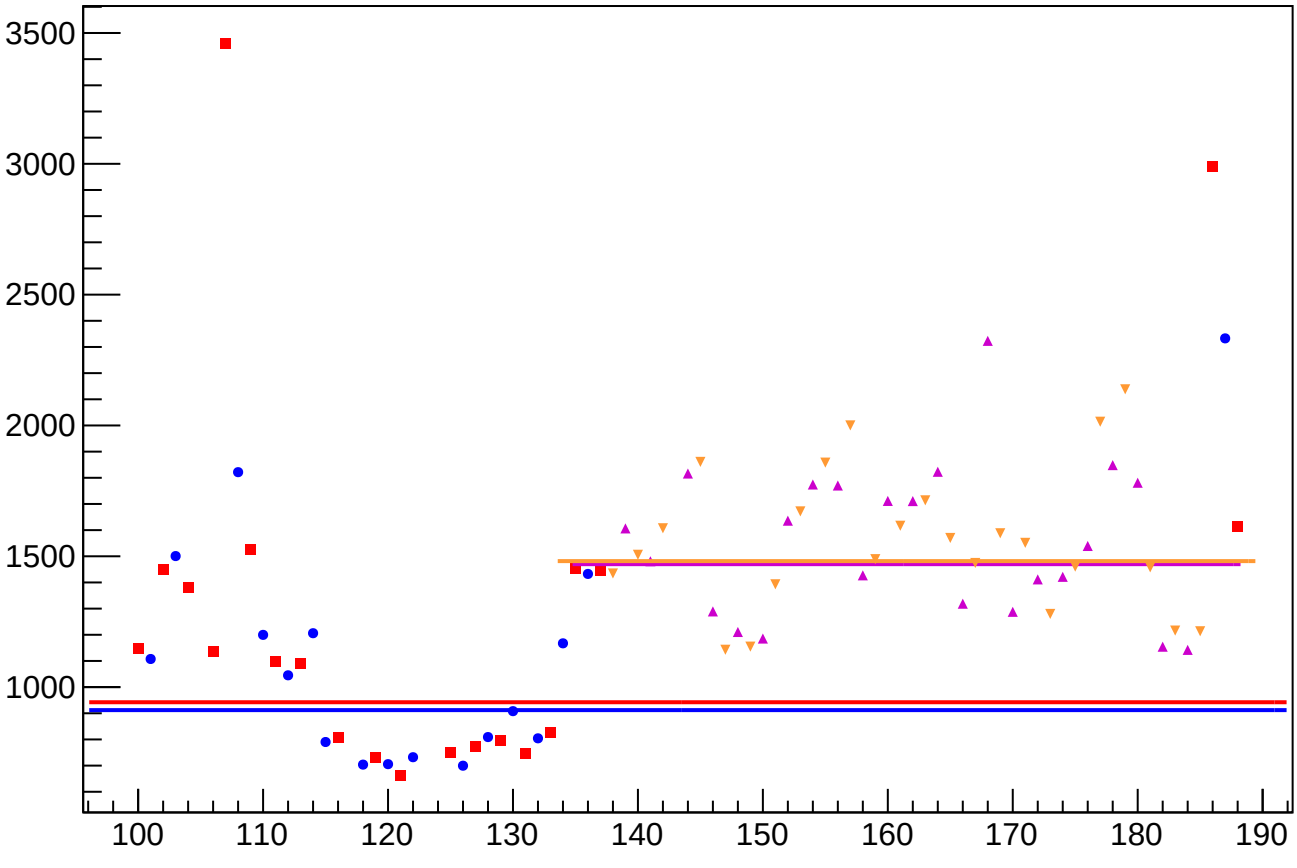
Left: -398.669+/-247.576 χ^2/NDF: 59.8/46

Right: 116.472+/-245.040 χ^2/NDF: 52.3/36

In: -49.039+/-247.561 χ^2/NDF:34.5/39

Out: -226.054+/-245.054 χ^2/NDF:79.6/43

All: -138.447+/-174.159 χ^2/NDF: 114.3/83



Right In: 912.059+/-0.248 χ^2/NDF: 1218747.0/16

Left Out: 1481.545+/-0.248 χ^2/NDF:1017460.8/23

Right Out: 942.185+/-0.242 χ^2/NDF: 2040697.1/19

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

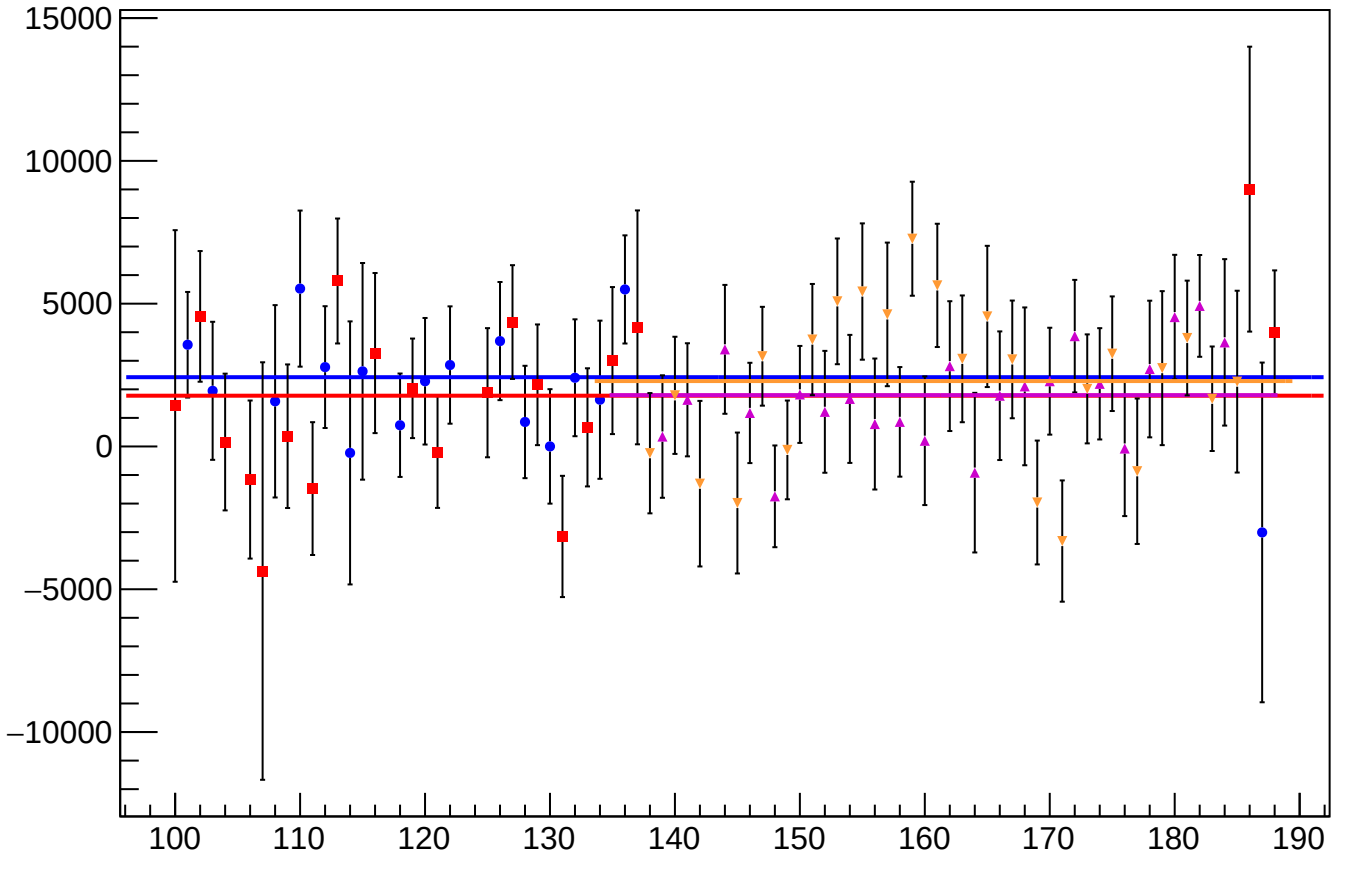
Left: 1475.710+/-0.175 χ^2/NDF: 2113619.5/46

Right: 927.467+/-0.173 χ^2/NDF: 3266997.9/36

In: 1191.731+/-0.175 χ^2/NDF:4852642.8/39

Out: 1205.661+/-0.173 χ^2/NDF:5479036.0/43

All: 1198.767+/-0.123 χ^2/NDF: 10334877.1/8



Right In: 2425.397+/-560.293 χ^2/NDF: 9.1/16

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

Right Out: 1777.337+/-542.382 χ^2/NDF: 21.8/19

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

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

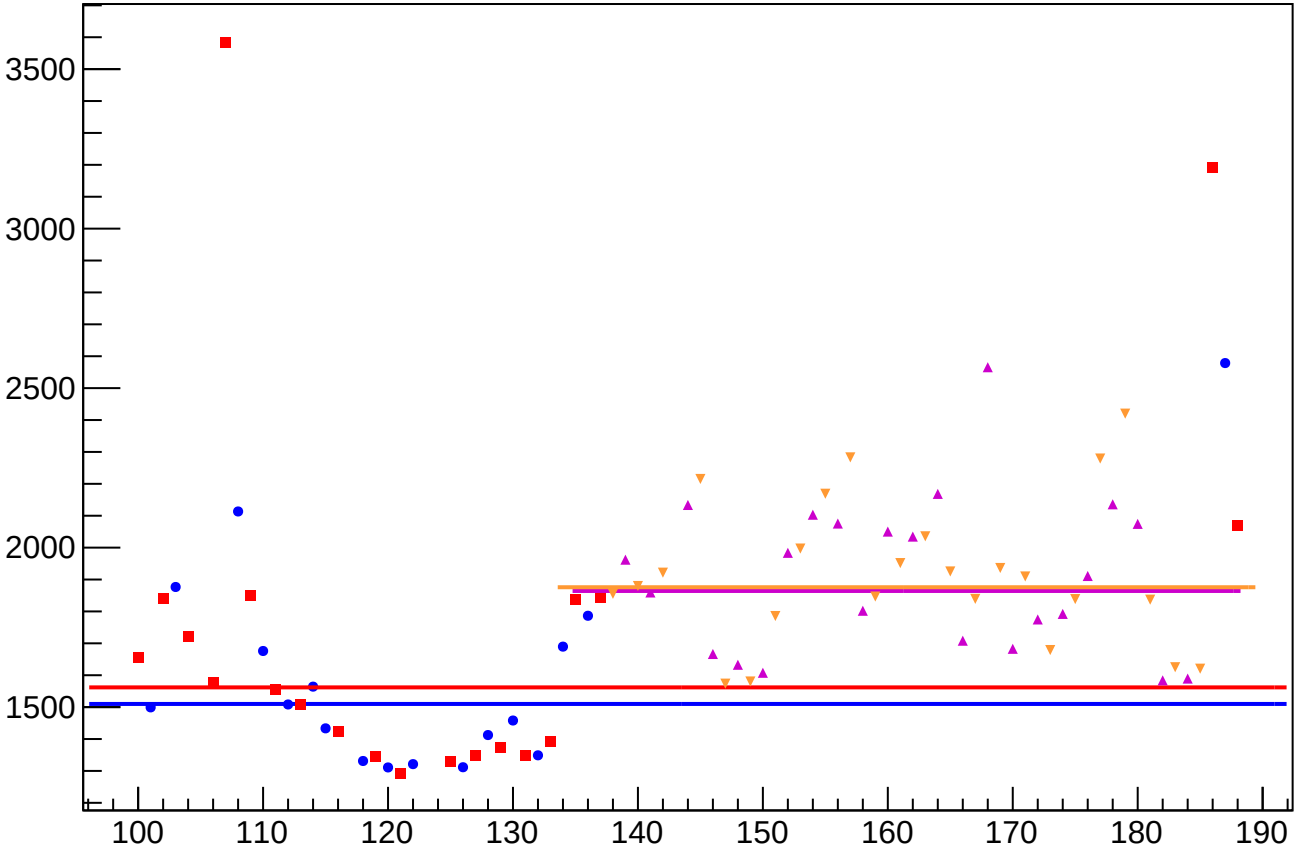
Right: 2090.844+/-389.700 χ^2/NDF: 31.6/36

In: 2035.699+/-345.632 χ^2/NDF:24.1/39

Out: 2086.718+/-341.387 χ^2/NDF:58.4/43

All: 2061.524+/-242.884 χ^2/NDF: 82.5/83

asym_usl_rms vs Slug, Sign Corrected



Right In: 1509.946+/-0.396 χ^2/NDF: 323936.0/16

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

Right Out: 1561.880+/-0.384 χ^2/NDF: 742135.4/19

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

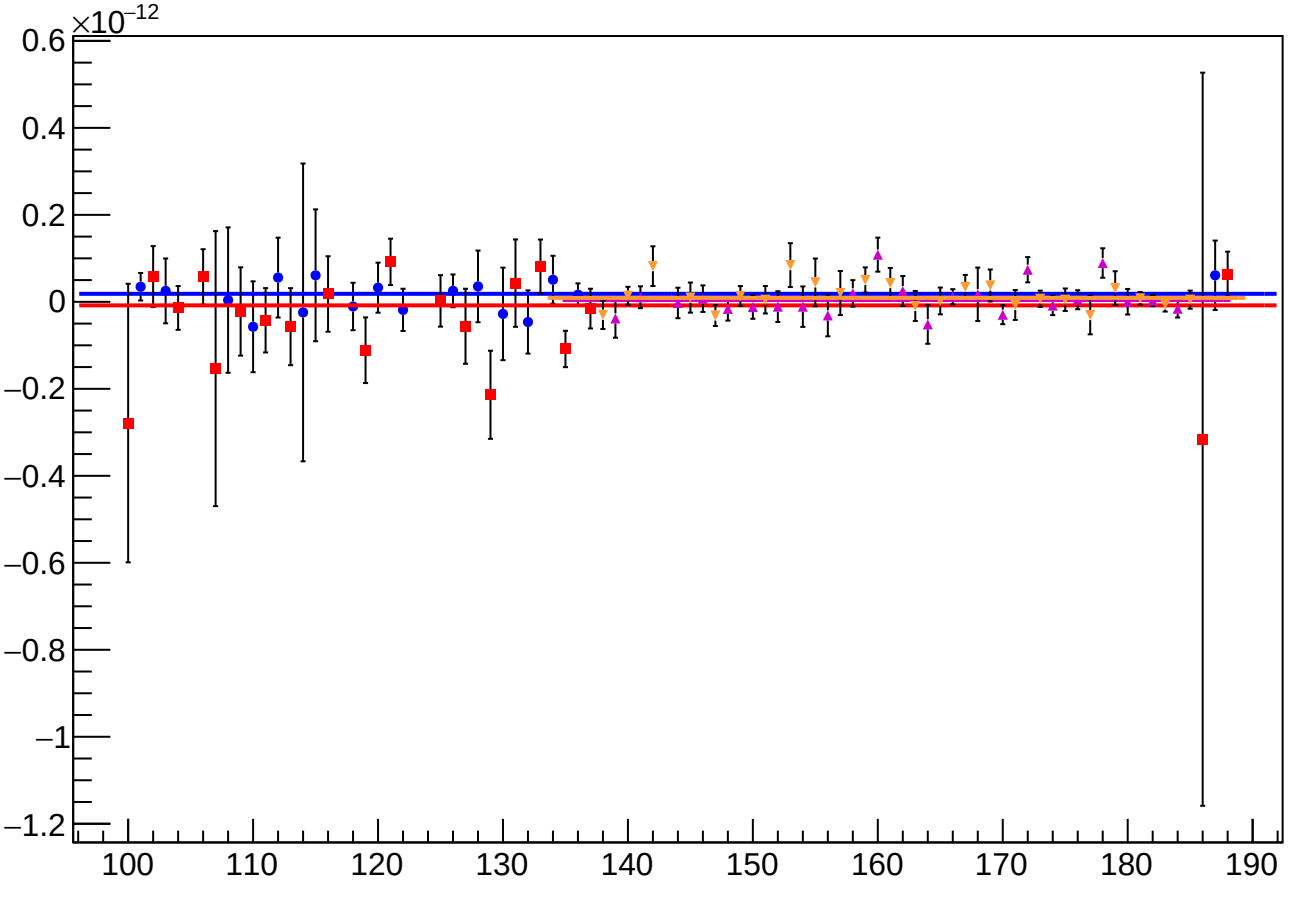
Left: 1869.988+/-0.220 χ^2/NDF: 983860.8/46

Right: 1536.756+/-0.276 χ^2/NDF: 1074942.1/36

In: 1729.370+/-0.244 χ^2/NDF:1329704.7/39

Out: 1751.445+/-0.241 χ^2/NDF:1619288.2/43

All: 1740.544+/-0.172 χ^2/NDF: 2953122.7/83



Right In: 0.000+/-0.000 χ^2/NDF: 3.7/16

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

Right Out: -0.000+/-0.000 χ^2/NDF: 23.5/19

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

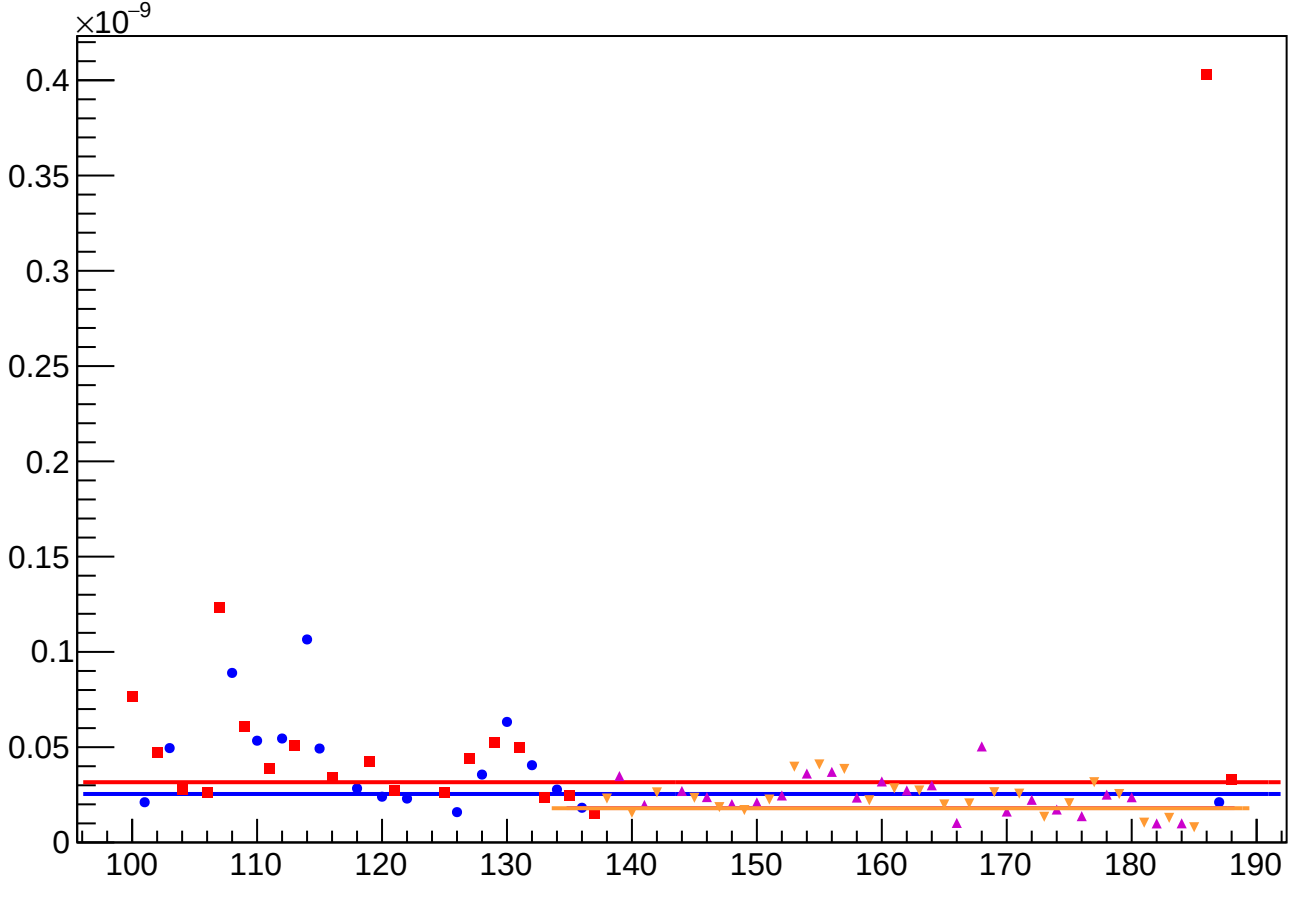
Left: 0.000+/-0.000 χ^2/NDF: 45.1/46

Right: 0.000+/-0.000 χ^2/NDF: 28.9/36

In: 0.000+/-0.000 χ^2/NDF:32.8/39

Out: 0.000+/-0.000 χ^2/NDF:41.2/43

All: 0.000+/-0.000 χ^2/NDF: 74.0/83



Right In: 0.000+/-0.000 χ^2/NDF: 1713826.9/16

Left Out: 0.000+/-0.000 χ^2/NDF:3491055.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 1617732.7/19

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

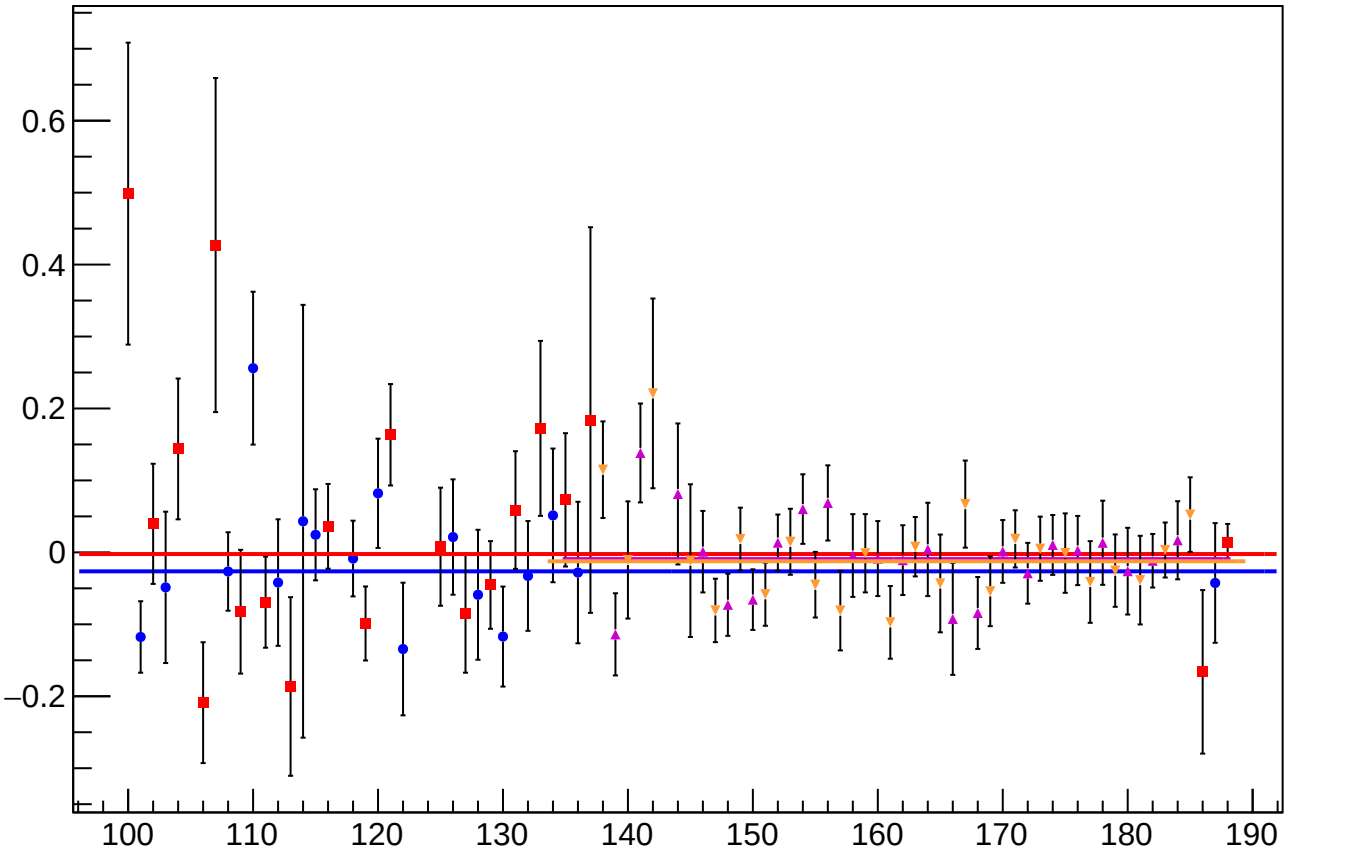
Left: 0.000+/-0.000 χ^2/NDF: 7671624.5/46

Right: 0.000+/-0.000 χ^2/NDF: 3516169.7/36

In: 0.000+/-0.000 χ^2/NDF:6417100.8/39

Out: 0.000+/-0.000 χ^2/NDF:6513085.1/43

All: 0.000+/-0.000 χ^2/NDF: 12934958.4/83



Right In: -0.026+/-0.018 χ^2/NDF: 17.7/16

Left Out: -0.012+/-0.010 χ^2/NDF:21.9/23

Right Out: -0.002+/-0.015 χ^2/NDF: 39.0/19

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

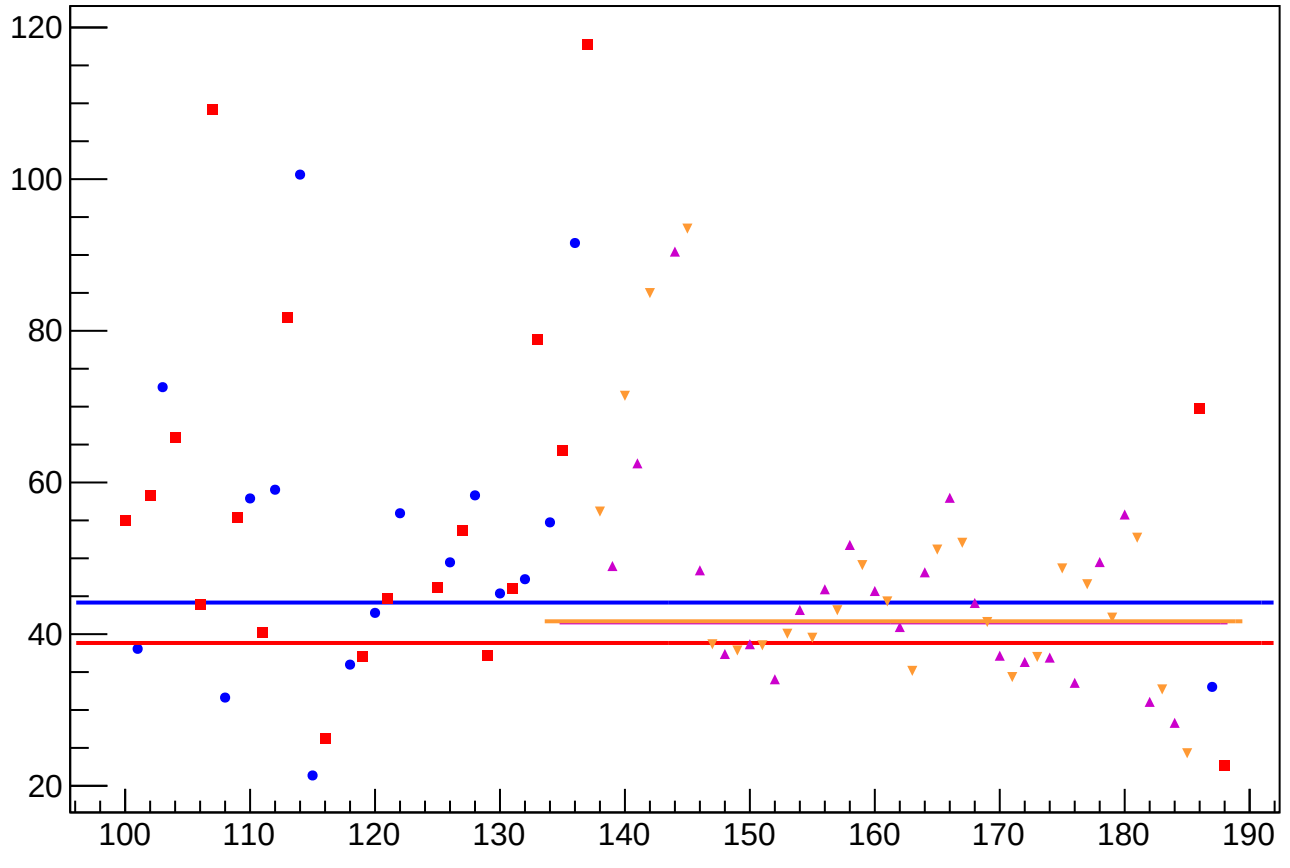
Left: -0.011+/-0.007 χ^2/NDF: 43.9/46

Right: -0.012+/-0.012 χ^2/NDF: 57.7/36

In: -0.014+/-0.009 χ^2/NDF:40.2/39

Out: -0.009+/-0.009 χ^2/NDF:61.2/43

All: -0.011+/-0.006 χ^2/NDF: 101.6/83



Right In: 44.167+/-0.013 χ^2/NDF: 1372129.4/16

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

Right Out: 38.837+/-0.011 χ^2/NDF: 2420825.7/19

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

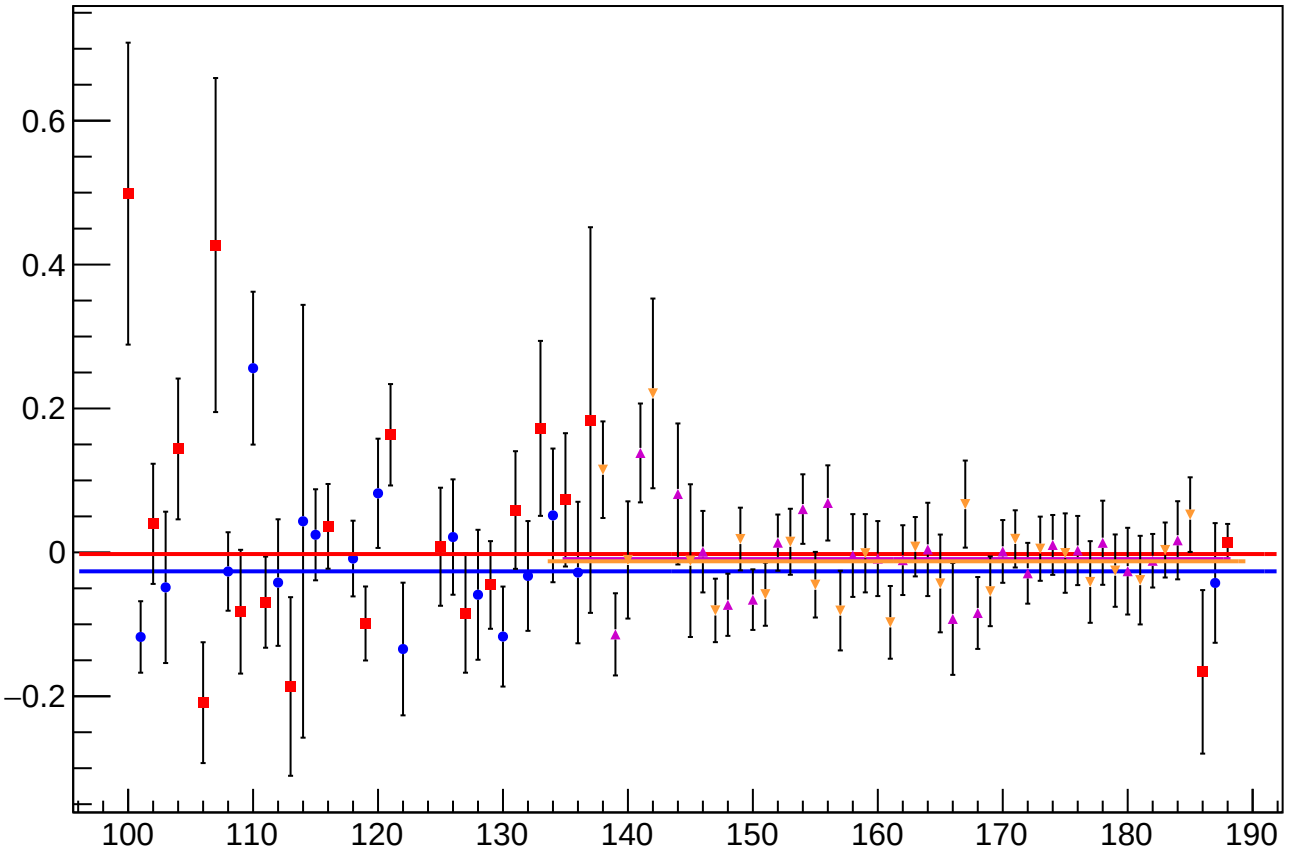
Left: 41.622+/-0.005 χ^2/NDF: 3434958.6/46

Right: 41.056+/-0.008 χ^2/NDF: 3891895.5/36

In: 42.196+/-0.006 χ^2/NDF:3015878.0/39

Out: 40.794+/-0.006 χ^2/NDF:4289388.6/43

All: 41.462+/-0.004 χ^2/NDF: 7330149.6/83



Right In: -0.026+/-0.018 χ^2/NDF: 17.7/16

Left Out: -0.012+/-0.010 χ^2/NDF:21.9/23

Right Out: -0.002+/-0.015 χ^2/NDF: 39.0/19

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

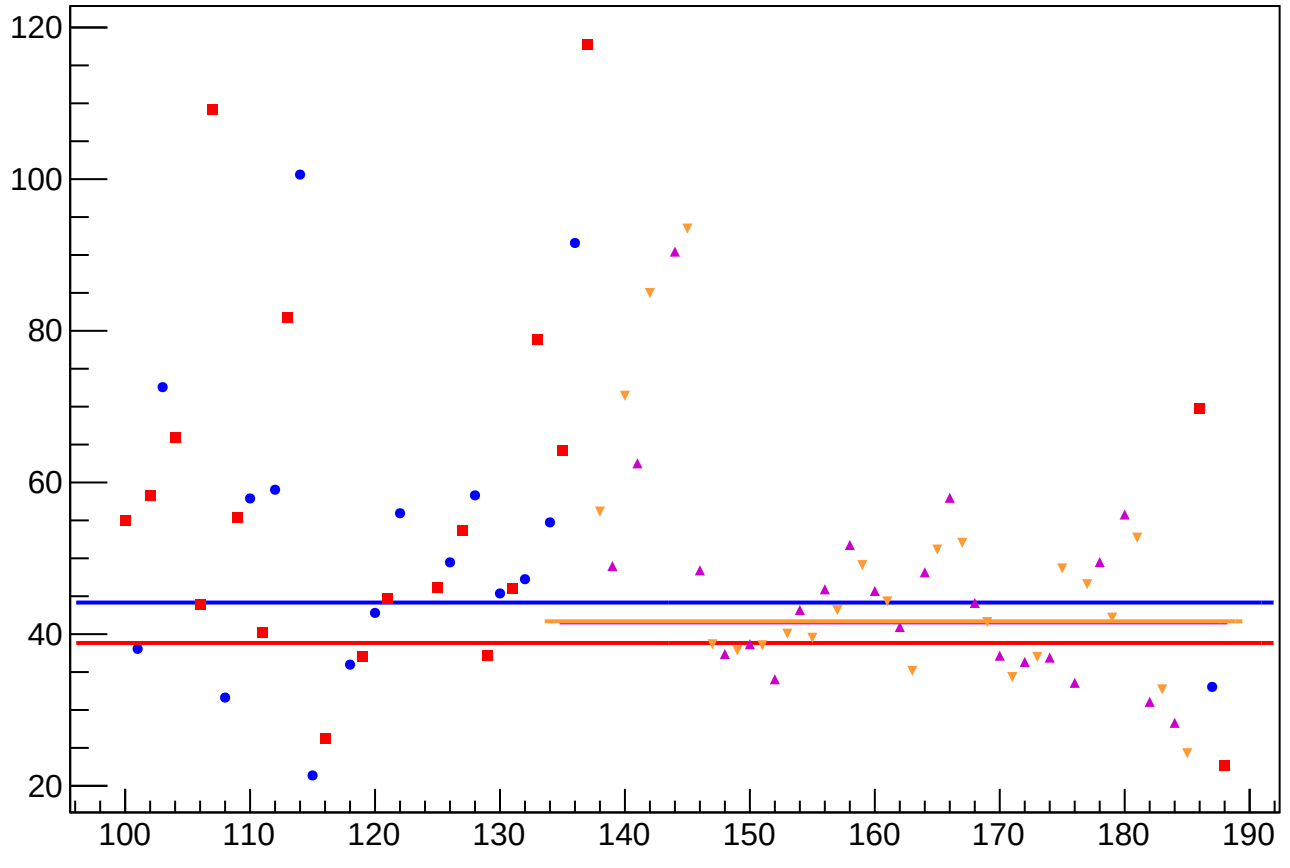
Left: -0.011+/-0.007 χ^2/NDF: 43.9/46

Right: -0.012+/-0.012 χ^2/NDF: 57.7/36

In: -0.014+/-0.009 χ^2/NDF:40.2/39

Out: -0.009+/-0.009 χ^2/NDF:61.2/43

All: -0.011+/-0.006 χ^2/NDF: 101.6/83



Right In: 44.167+/-0.013 χ^2/NDF: 1372129.4/16

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

Right Out: 38.837+/-0.011 χ^2/NDF: 2420825.7/19

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

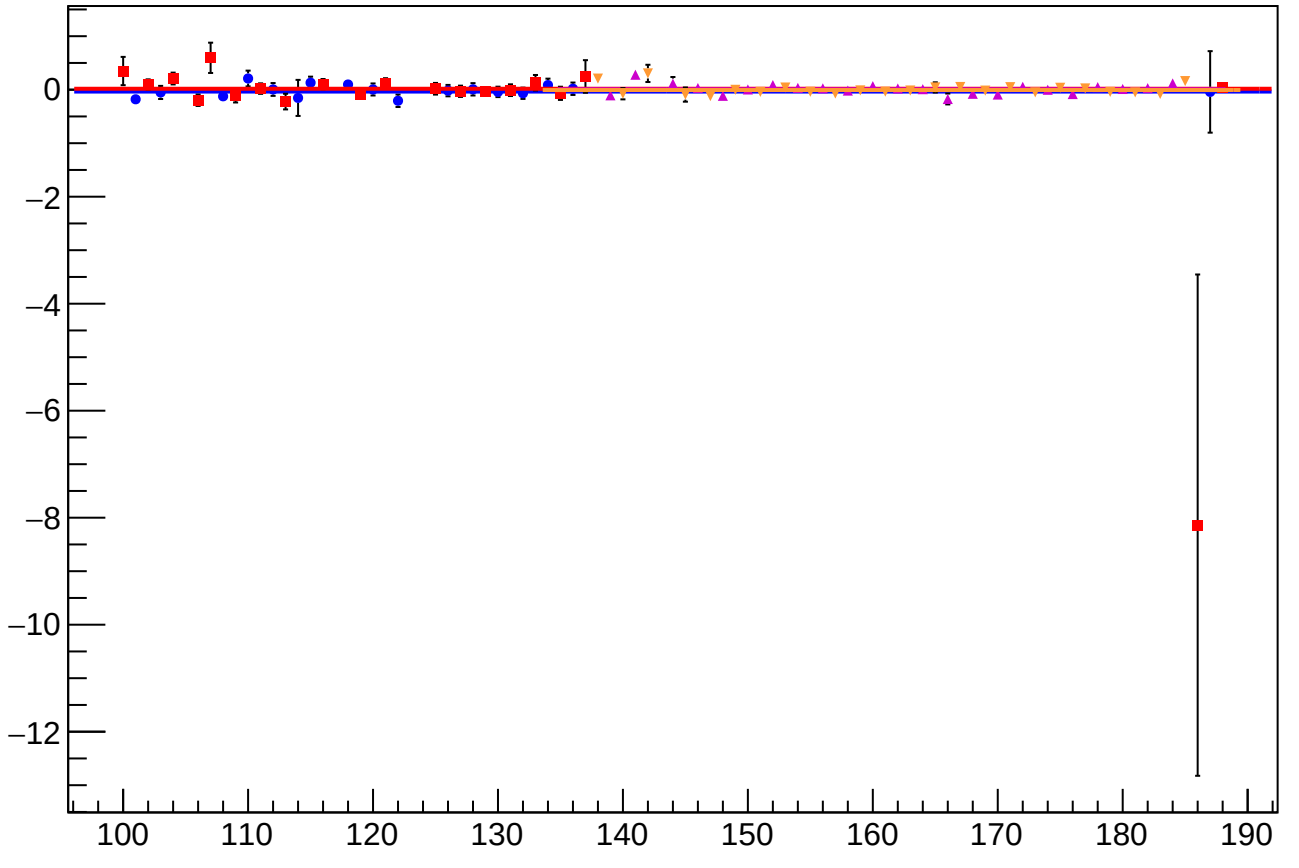
Left: 41.622+/-0.005 χ^2/NDF: 3434958.6/46

Right: 41.056+/-0.008 χ^2/NDF: 3891895.5/36

In: 42.196+/-0.006 χ^2/NDF:3015878.0/39

Out: 40.794+/-0.006 χ^2/NDF:4289388.6/43

All: 41.462+/-0.004 χ^2/NDF: 7330149.6/83



Right In: -0.035+/-0.026 χ^2/NDF: 17.4/16

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

Right Out: 0.018+/-0.024 χ^2/NDF: 26.0/19

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

Left: 0.000+/-0.011 χ^2/NDF: 52.2/46

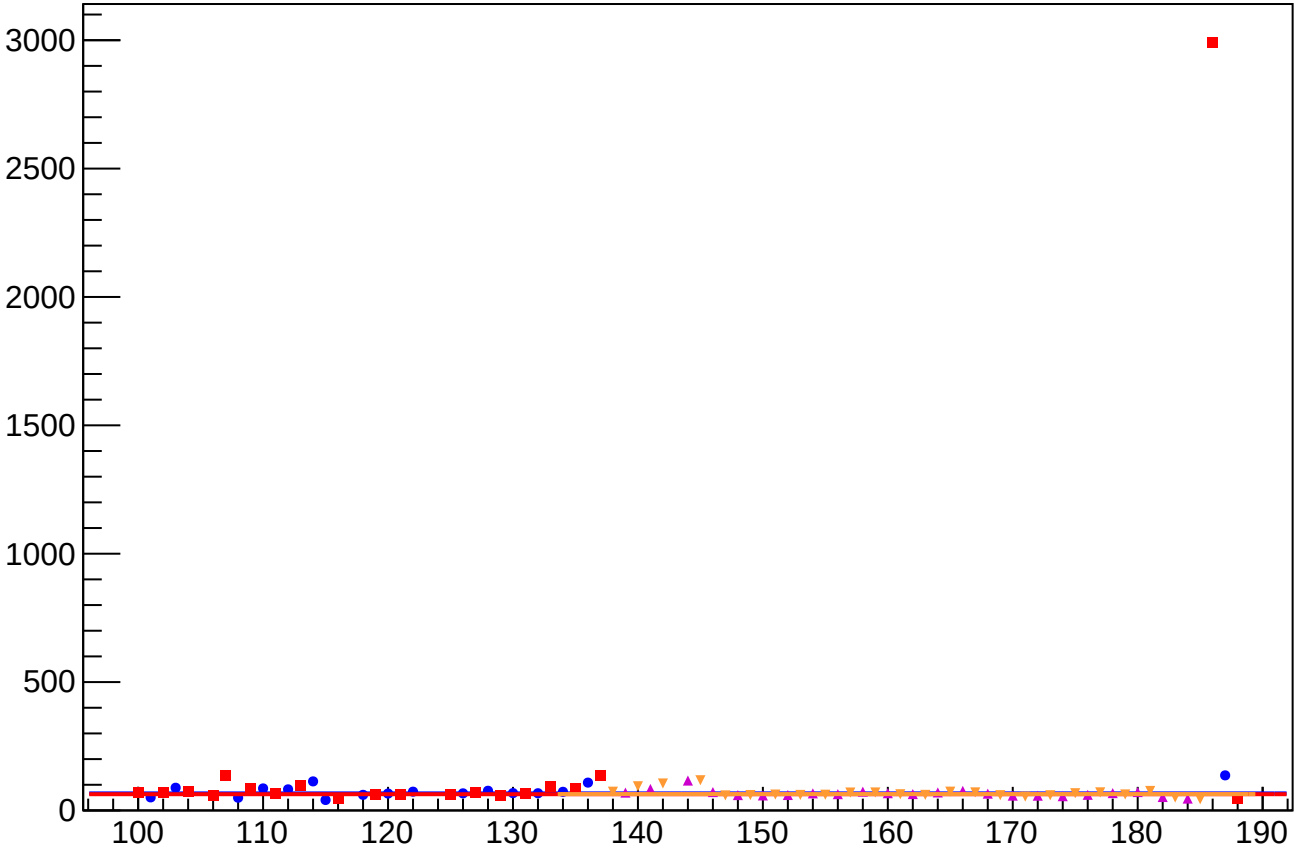
Right: -0.006+/-0.018 χ^2/NDF: 45.7/36

In: -0.003+/-0.013 χ^2/NDF:47.5/39

Out: 0.000+/-0.013 χ^2/NDF:50.4/43

All: -0.001+/-0.009 χ^2/NDF: 98.0/83

asym_usl_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



Right In: 66.432+/-0.019 χ^2/NDF: 789691.3/16

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

Right Out: 63.281+/-0.017 χ^2/NDF: 1733707.8/19

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

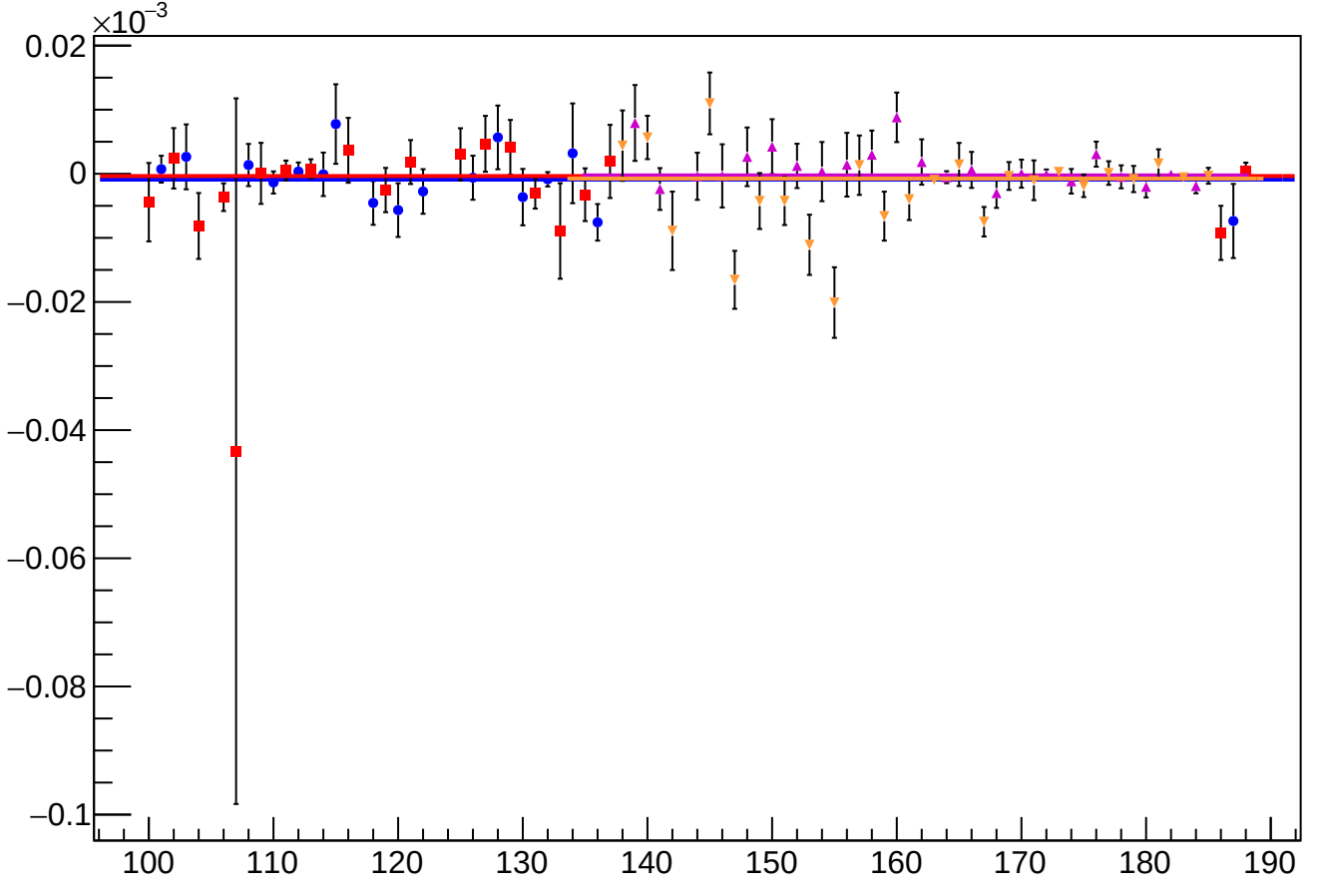
Left: 63.907+/-0.008 χ^2/NDF: 1917889.6/46

Right: 64.696+/-0.012 χ^2/NDF: 2539270.1/36

In: 64.655+/-0.009 χ^2/NDF:1640834.2/39

Out: 63.631+/-0.009 χ^2/NDF:2813151.3/43

All: 64.126+/-0.007 χ^2/NDF: 4460063.2/83



Right In: -0.000+/-0.000 χ^2/NDF: 16.3/16

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

Right Out: -0.000+/-0.000 χ^2/NDF: 19.6/19

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

Left: -0.000+/-0.000 χ^2/NDF: 79.8/46

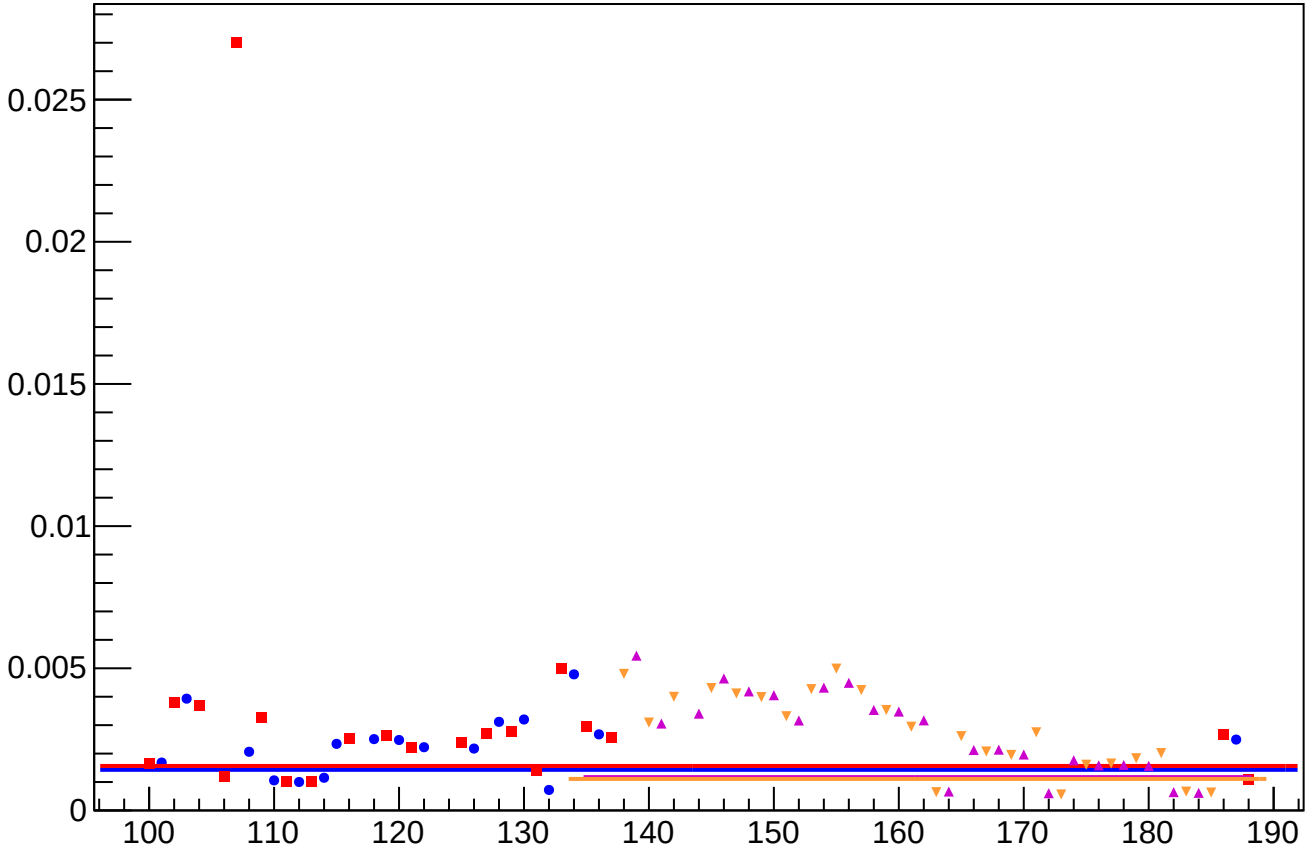
Right: -0.000+/-0.000 χ^2/NDF: 36.2/36

In: -0.000+/-0.000 χ^2/NDF:35.9/39

Out: -0.000+/-0.000 χ^2/NDF:79.9/43

All: -0.000+/-0.000 χ^2/NDF: 116.1/83

asym_usl_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 3615740.1/16

Left Out: 0.001+/-0.000 χ^2/NDF:15160045.8/23

Right Out: 0.002+/-0.000 χ^2/NDF: 3894205.6/19

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

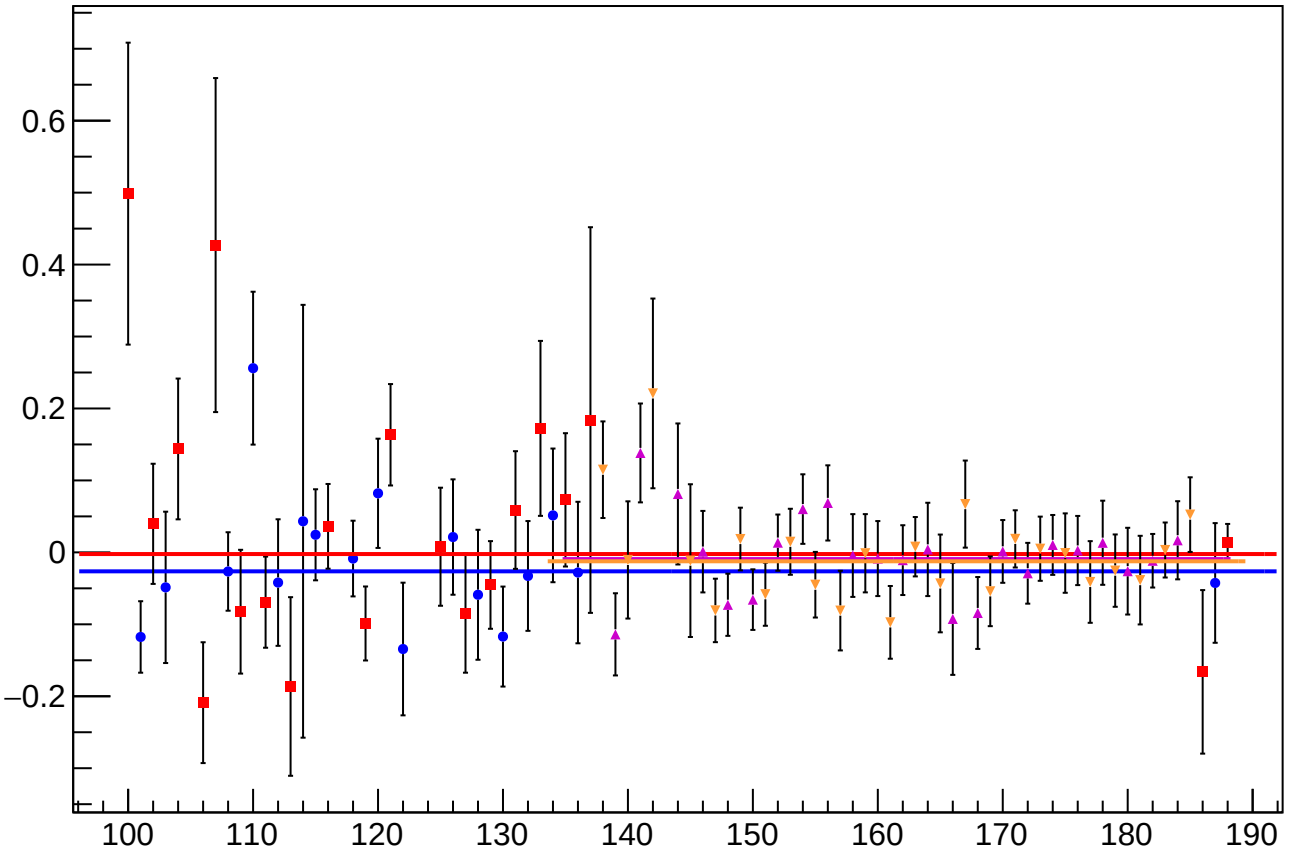
Left: 0.001+/-0.000 χ^2/NDF: 29445135.6/46

Right: 0.001+/-0.000 χ^2/NDF: 7558294.8/36

In: 0.001+/-0.000 χ^2/NDF:18129237.1/39

Out: 0.001+/-0.000 χ^2/NDF:19870536.9/43

All: 0.001+/-0.000 χ^2/NDF: 38006018.6/83



Right In: -0.026+/-0.018 χ^2/NDF: 17.7/16

Left Out: -0.012+/-0.010 χ^2/NDF:21.9/23

Right Out: -0.002+/-0.015 χ^2/NDF: 39.0/19

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

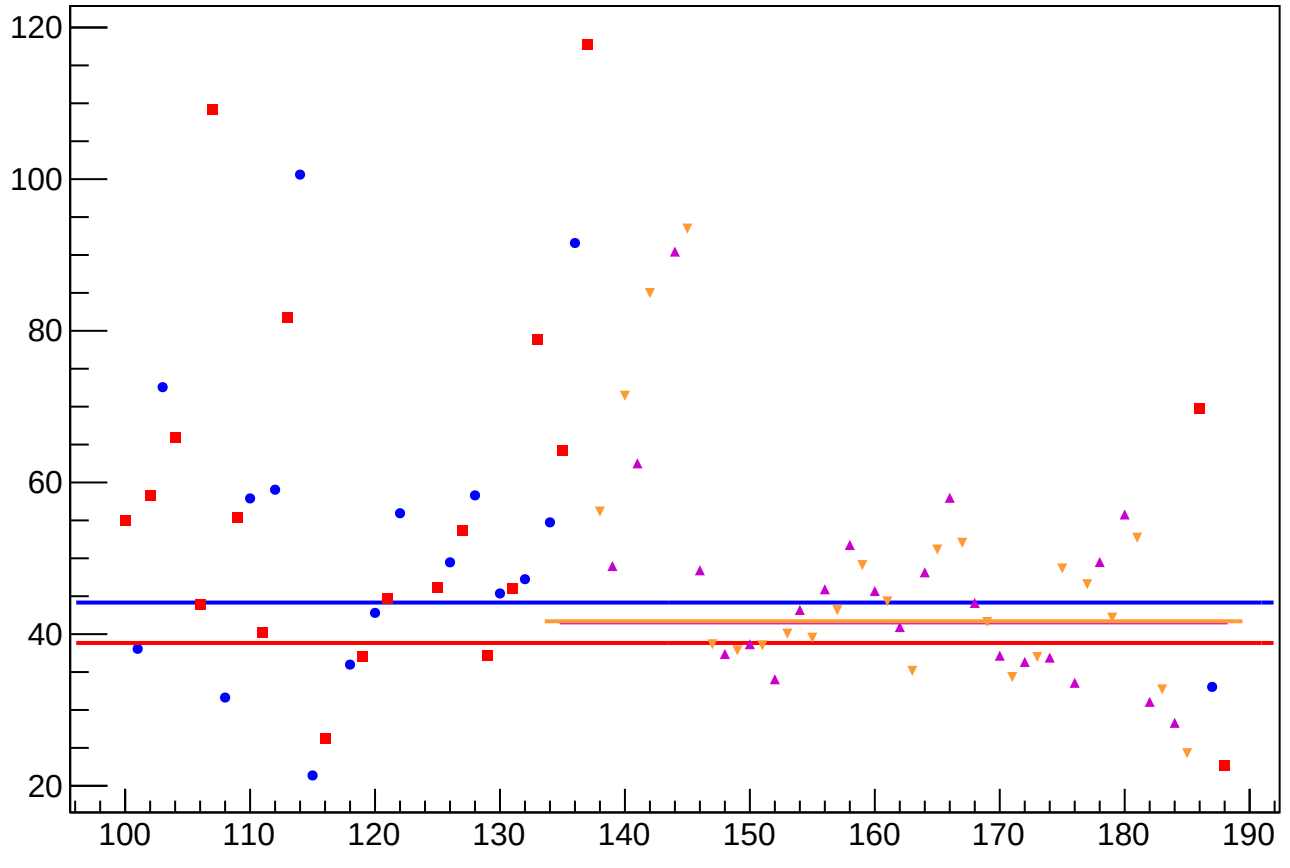
Left: -0.011+/-0.007 χ^2/NDF: 43.9/46

Right: -0.012+/-0.012 χ^2/NDF: 57.7/36

In: -0.014+/-0.009 χ^2/NDF:40.2/39

Out: -0.009+/-0.009 χ^2/NDF:61.2/43

All: -0.011+/-0.006 χ^2/NDF: 101.6/83



Right In: 44.166+/-0.013 χ^2/NDF: 1372190.0/16

Left Out: 41.695+/-0.007 χ^2/NDF:1821753.6/23

Right Out: 38.837+/-0.011 χ^2/NDF: 2420655.6/19

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

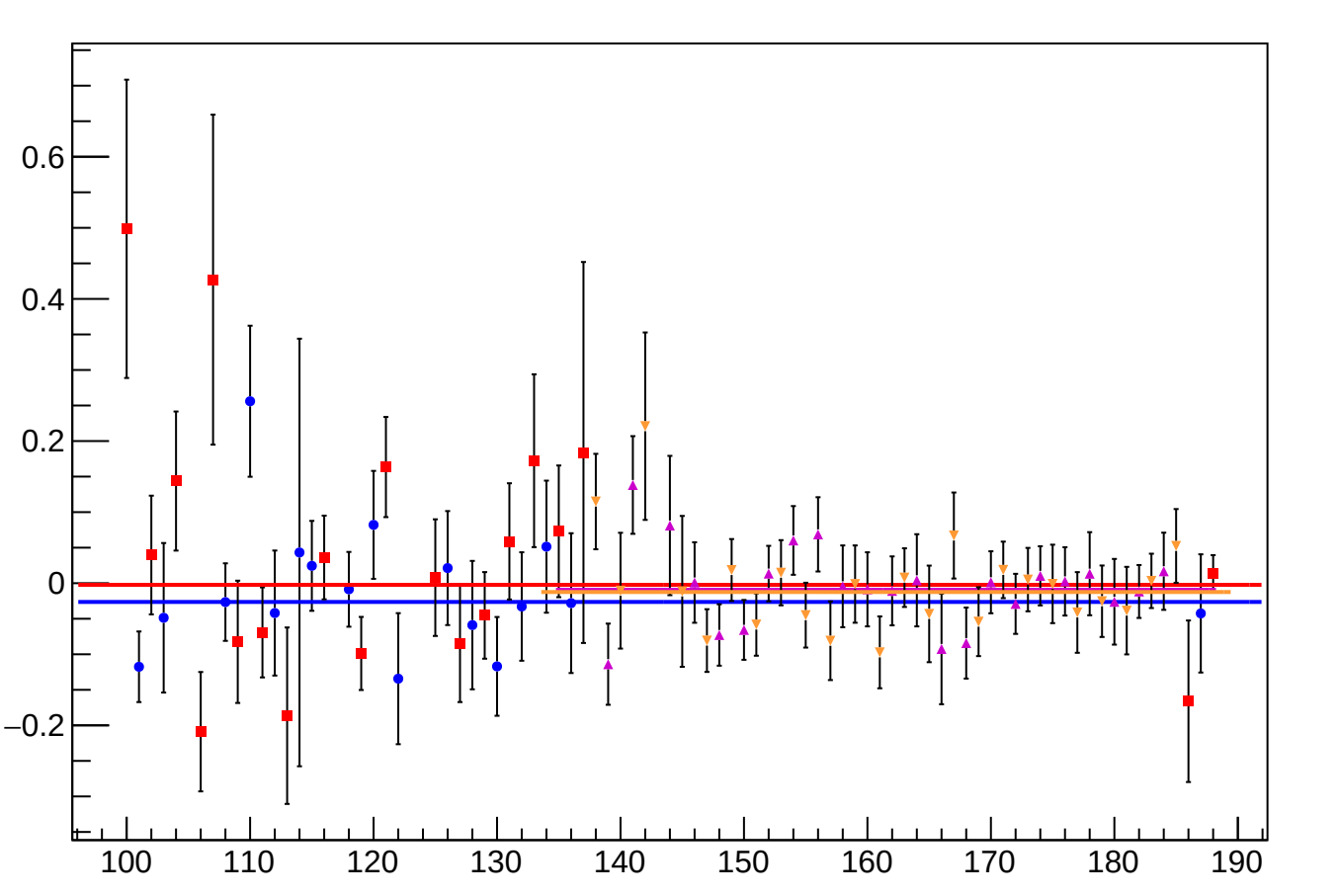
Left: 41.623+/-0.005 χ^2/NDF: 3434883.2/46

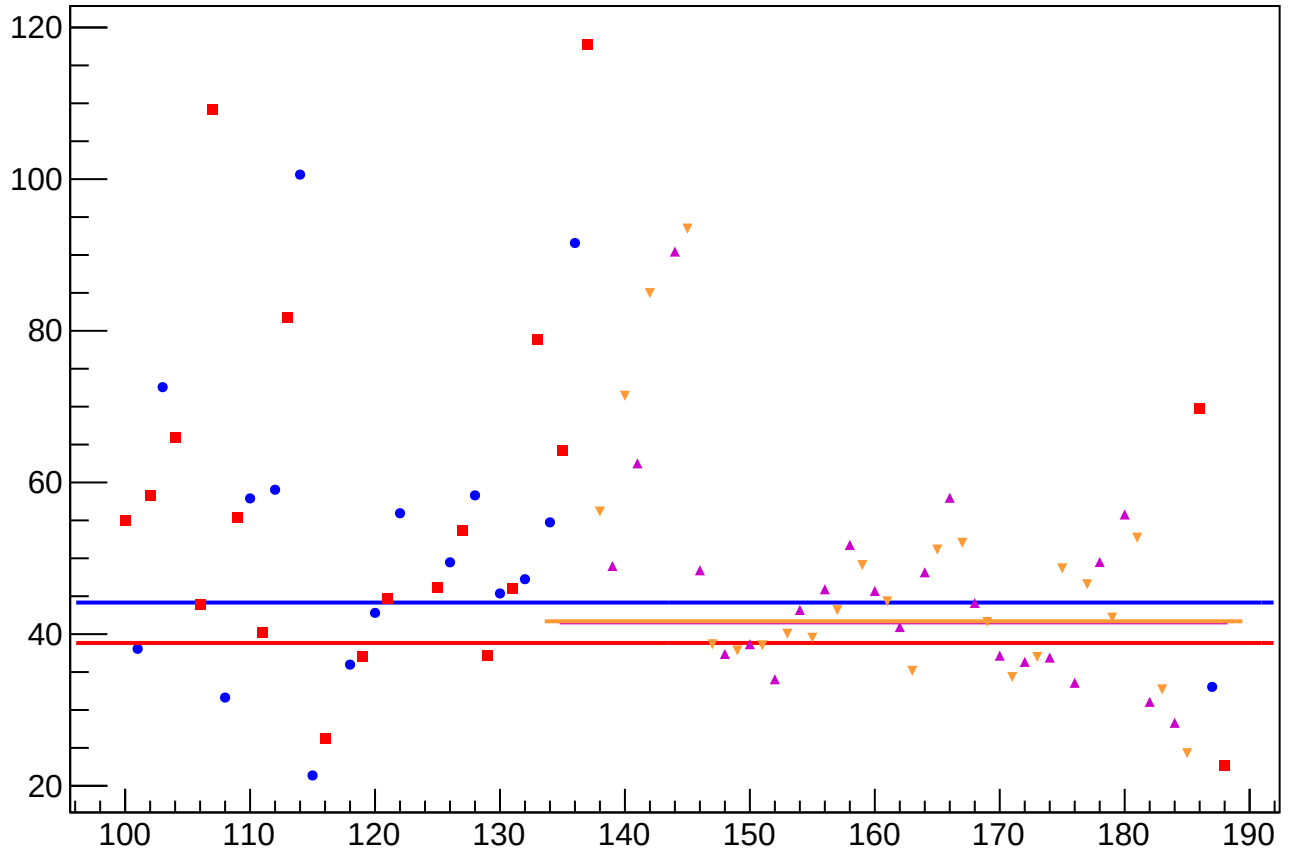
Right: 41.056+/-0.008 χ^2/NDF: 3891740.5/36

In: 42.196+/-0.006 χ^2/NDF:3015872.4/39

Out: 40.794+/-0.006 χ^2/NDF:4289174.5/43

All: 41.462+/-0.004 χ^2/NDF: 7329923.1/83


asym_usl_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.6
0.4
0.2
0
−0.2
100
110
120
130
140
150
160
170
180
190
Right In: -0.026+/-0.018 χ²/NDF: 17.7/16
Left Out: -0.012+/-0.010 χ²/NDF:21.9/23
Right Out: -0.002+/-0.015 χ²/NDF: 39.0/19
Left In: -0.009+/-0.010 χ²/NDF:21.9/22
Left: -0.011+/-0.007 χ²/NDF: 43.9/46
Right: -0.012+/-0.012 χ²/NDF: 57.7/36
In: -0.014+/-0.009 χ²/NDF:40.2/39
Out: -0.009+/-0.009 χ²/NDF:61.2/43
All: -0.011+/-0.006 χ²/NDF: 101.6/83



Right In: 44.166+/-0.013 χ^2/NDF: 1372190.0/16

Left Out: 41.695+/-0.007 χ^2/NDF:1821753.6/23

Right Out: 38.837+/-0.011 χ^2/NDF: 2420655.6/19

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

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

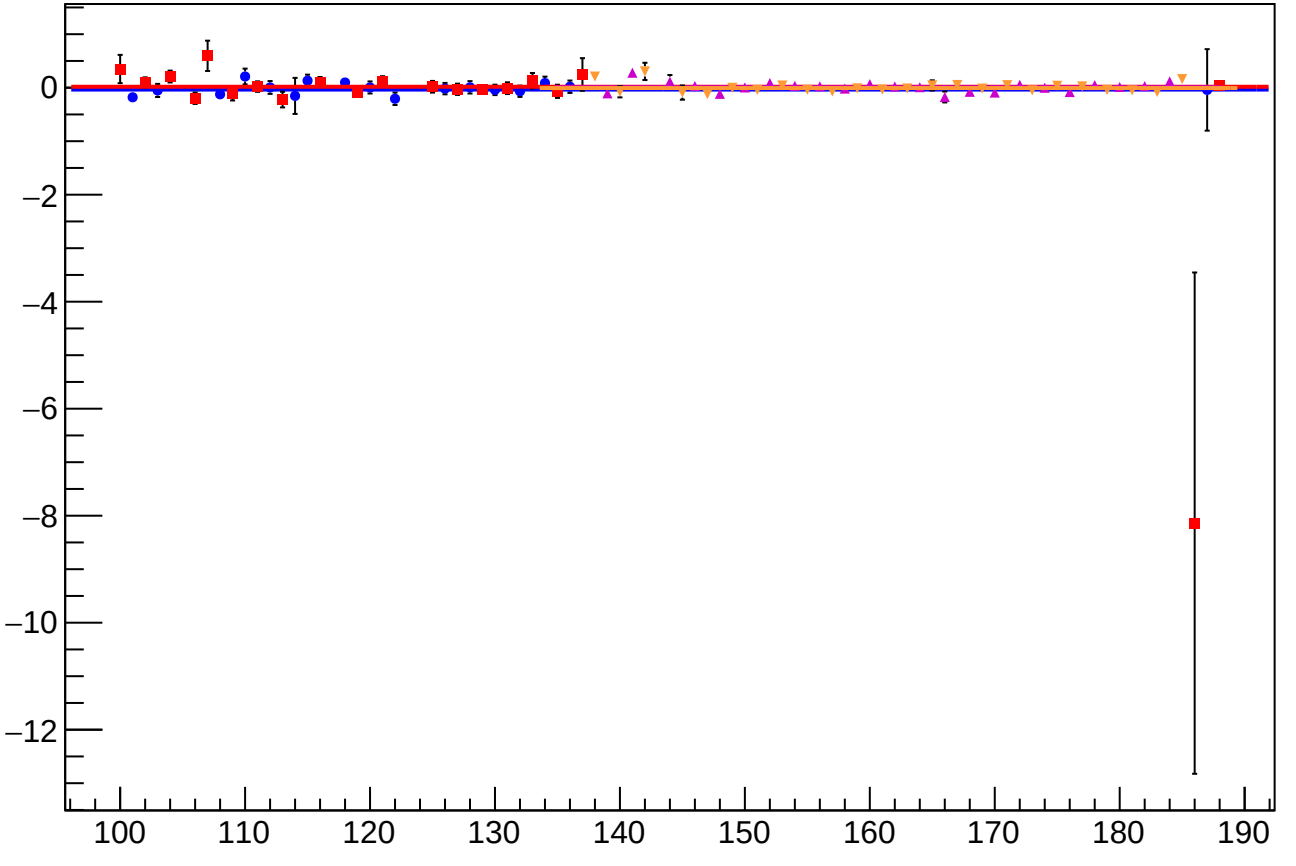
Right: 41.056+/-0.008 χ^2/NDF: 3891740.5/36

In: 42.196+/-0.006 χ^2/NDF:3015872.4/39

Out: 40.794+/-0.006 χ^2/NDF:4289174.5/43

All: 41.462+/-0.004 χ^2/NDF: 7329923.1/83

asym_usl_eigen_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.035+/-0.026 χ^2/NDF: 17.4/16

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

Right Out: 0.018+/-0.024 χ^2/NDF: 26.0/19

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

Left: 0.000+/-0.011 χ^2/NDF: 52.2/46

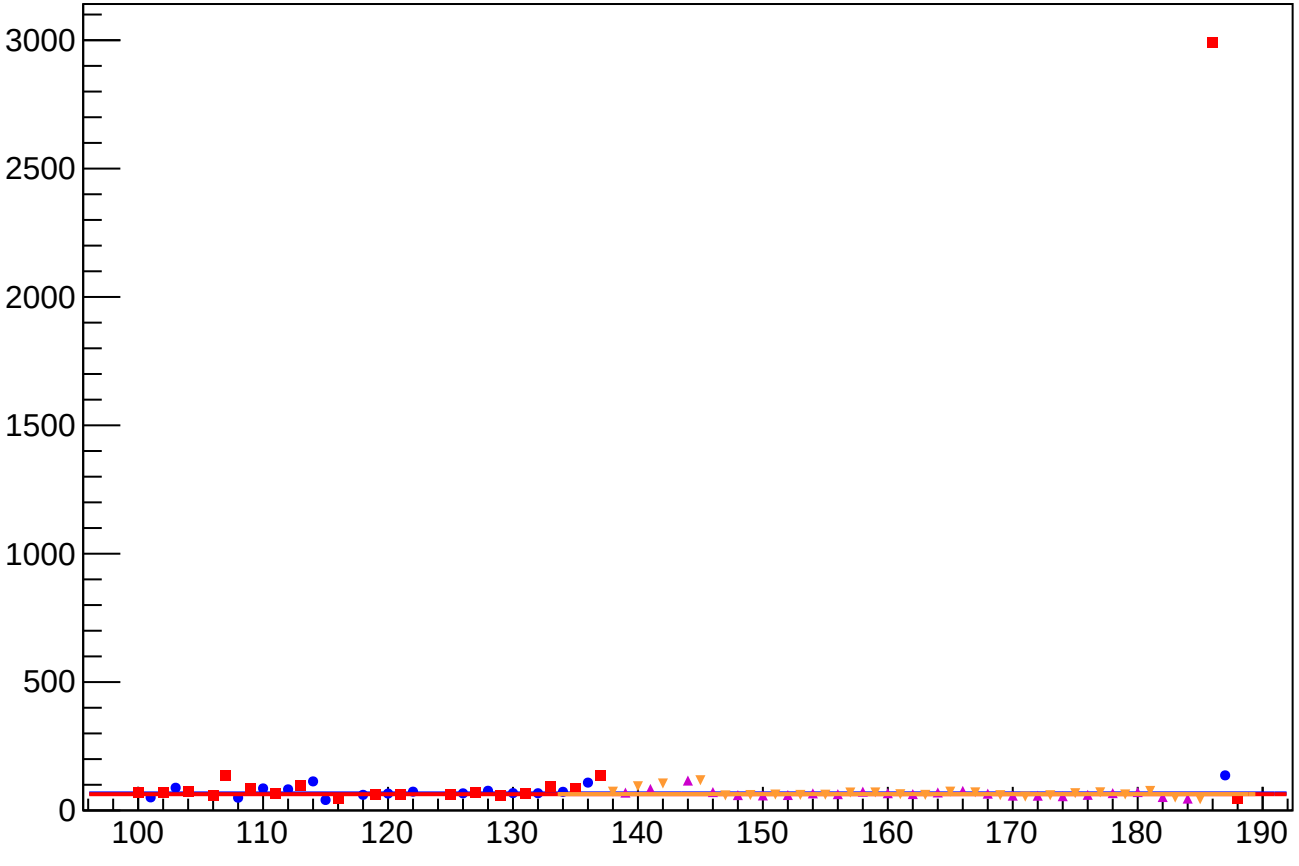
Right: -0.006+/-0.018 χ^2/NDF: 45.7/36

In: -0.003+/-0.013 χ^2/NDF:47.5/39

Out: 0.000+/-0.013 χ^2/NDF:50.4/43

All: -0.001+/-0.009 χ^2/NDF: 98.0/83

asym_usl_eigen_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



Right In: 66.431+/-0.019 χ^2/NDF: 789698.6/16

Left Out: 63.779+/-0.011 χ^2/NDF:1078810.5/23

Right Out: 63.280+/-0.017 χ^2/NDF: 1733674.5/19

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

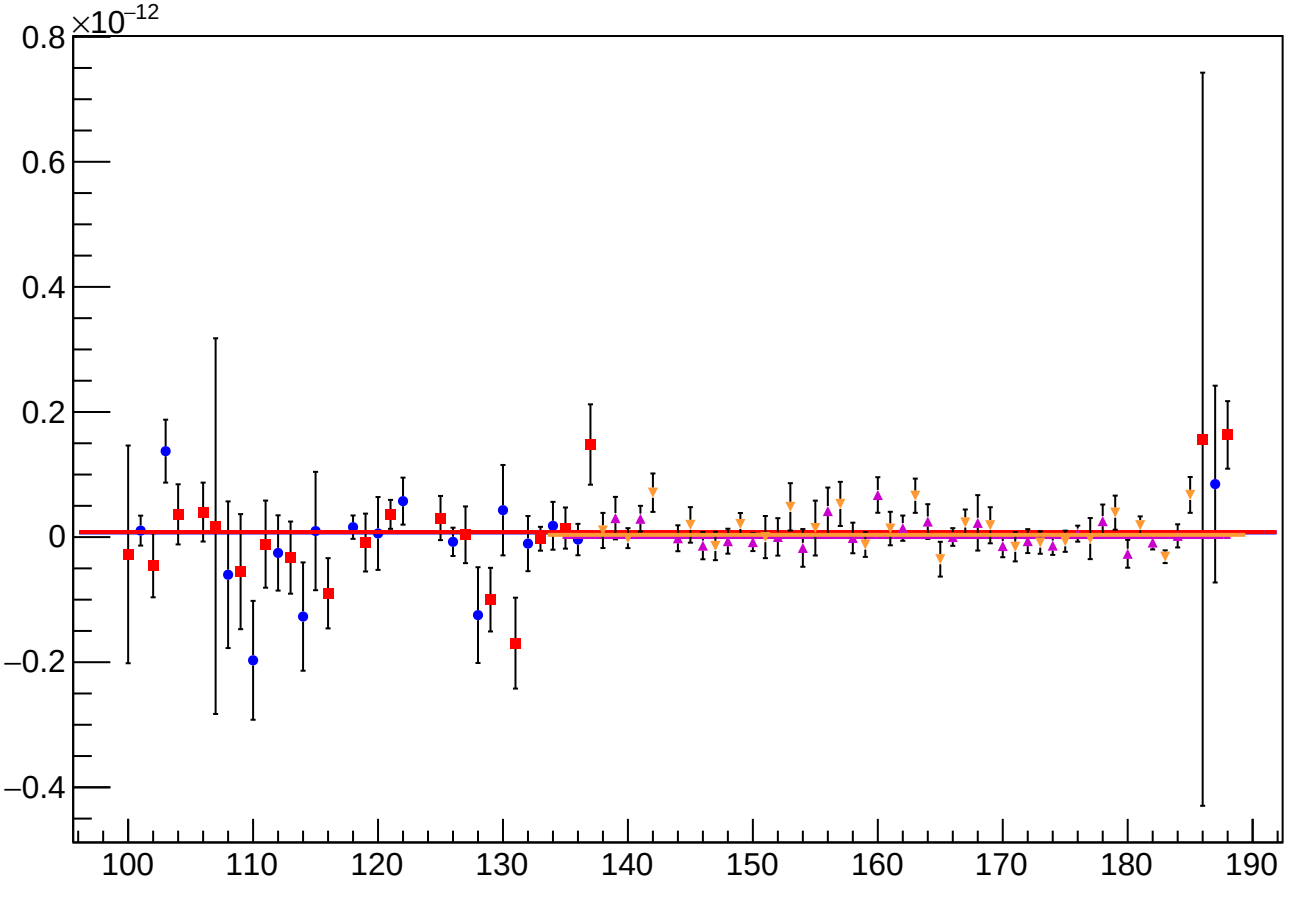
Left: 63.907+/-0.008 χ^2/NDF: 1917872.4/46

Right: 64.695+/-0.012 χ^2/NDF: 2539243.1/36

In: 64.655+/-0.009 χ^2/NDF:1640830.4/39

Out: 63.631+/-0.009 χ^2/NDF:2813106.5/43

All: 64.126+/-0.007 χ^2/NDF: 4460015.1/83



Right In: 0.000+/-0.000 χ^2/NDF: 20.7/16

Left Out: 0.000+/-0.000 χ^2/NDF:40.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 32.0/19

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

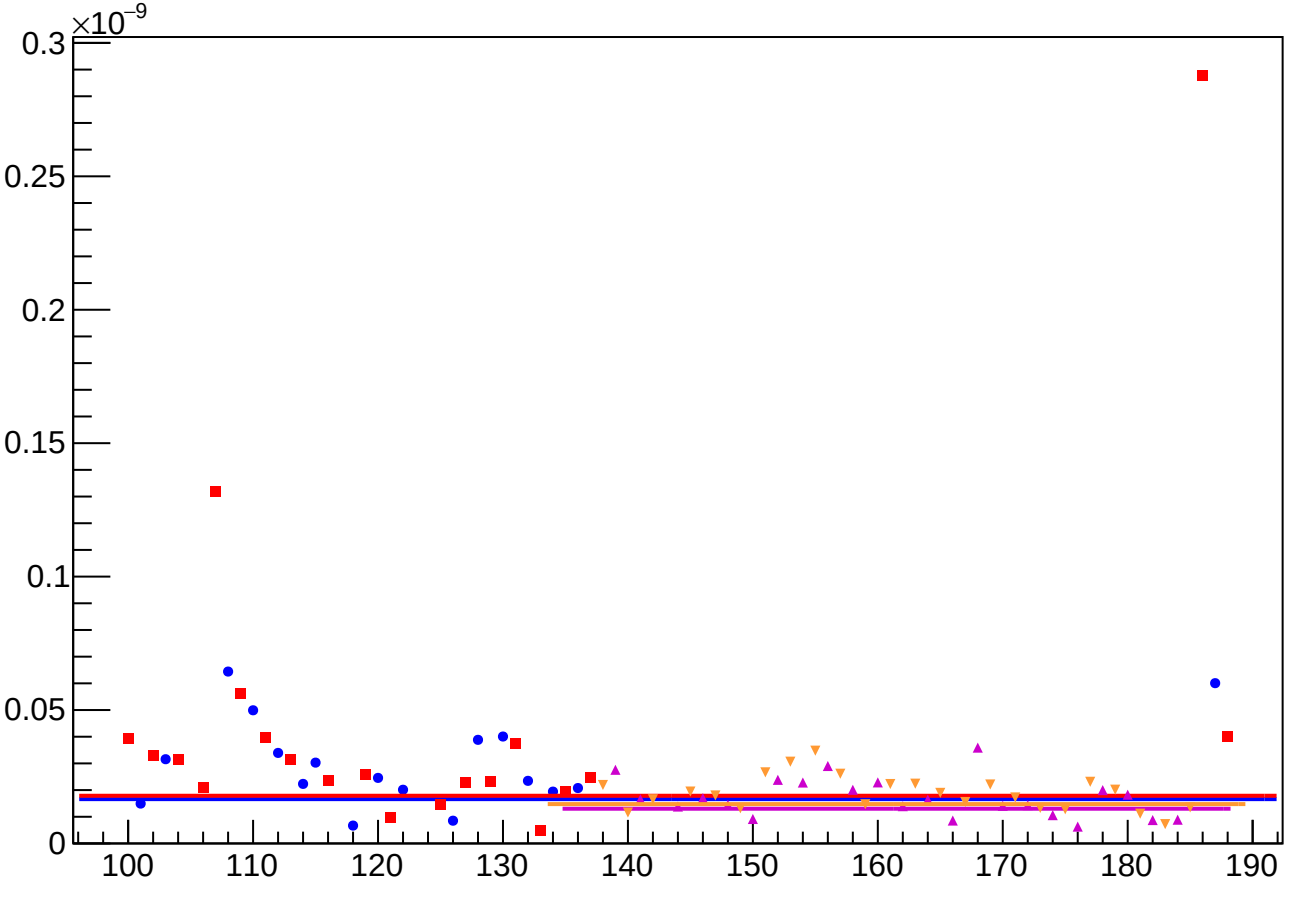
Left: 0.000+/-0.000 χ^2/NDF: 58.0/46

Right: 0.000+/-0.000 χ^2/NDF: 52.7/36

In: 0.000+/-0.000 χ^2/NDF:38.3/39

Out: 0.000+/-0.000 χ^2/NDF:72.7/43

All: 0.000+/-0.000 χ^2/NDF: 111.4/83



Right In: 0.000+/-0.000 χ^2/NDF: 2499046.4/16

Left Out: 0.000+/-0.000 χ^2/NDF:3531388.4/23

Right Out: 0.000+/-0.000 χ^2/NDF: 3562743.5/19

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

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

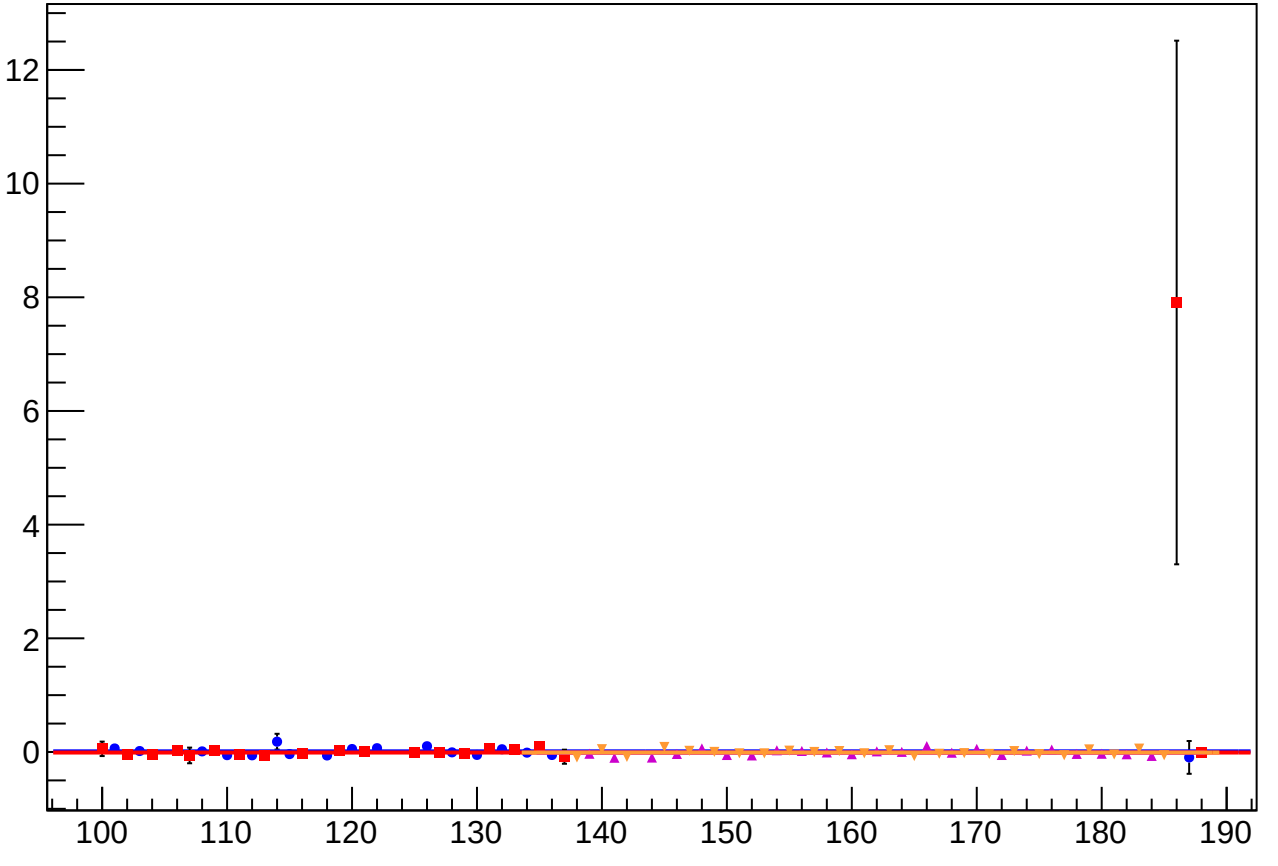
Right: 0.000+/-0.000 χ^2/NDF: 6079767.7/36

In: 0.000+/-0.000 χ^2/NDF:6681686.9/39

Out: 0.000+/-0.000 χ^2/NDF:7267556.3/43

All: 0.000+/-0.000 χ^2/NDF: 14140999.0/83

asym_usl_overload_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.012+/-0.014 χ^2/NDF: 14.8/16

Left Out: -0.010+/-0.009 χ^2/NDF:19.4/23

Right Out: -0.010+/-0.013 χ^2/NDF: 12.9/19

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

Left: -0.010+/-0.007 χ^2/NDF: 42.7/46

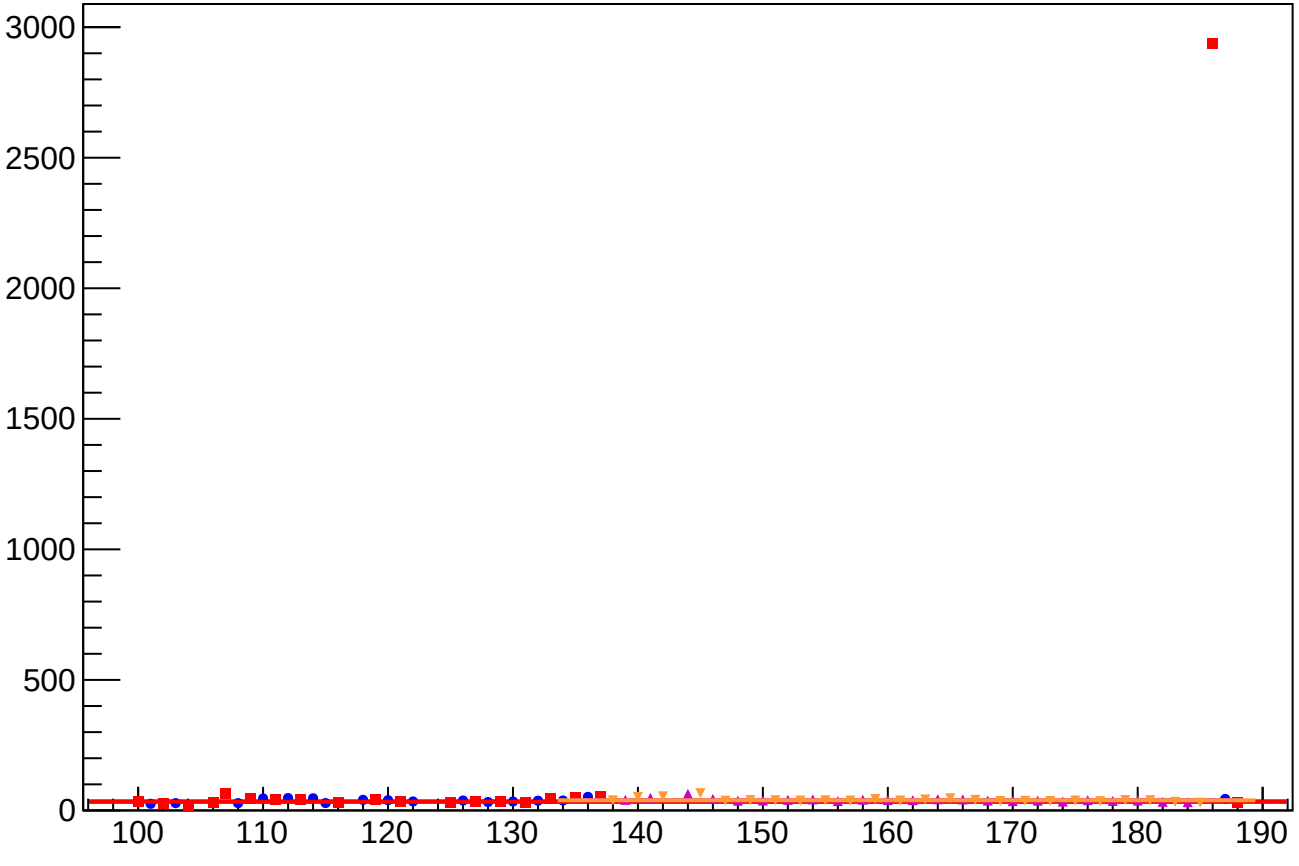
Right: 0.000+/-0.009 χ^2/NDF: 29.1/36

In: -0.004+/-0.008 χ^2/NDF:40.0/39

Out: -0.010+/-0.008 χ^2/NDF:32.4/43

All: -0.007+/-0.005 χ^2/NDF: 72.7/83

asym_usl_overload_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.276+/-0.010 χ^2/NDF: 638291.4/16

Left Out: 38.972+/-0.007 χ^2/NDF:624525.1/23

Right Out: 33.465+/-0.009 χ^2/NDF: 1715667.2/19

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

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

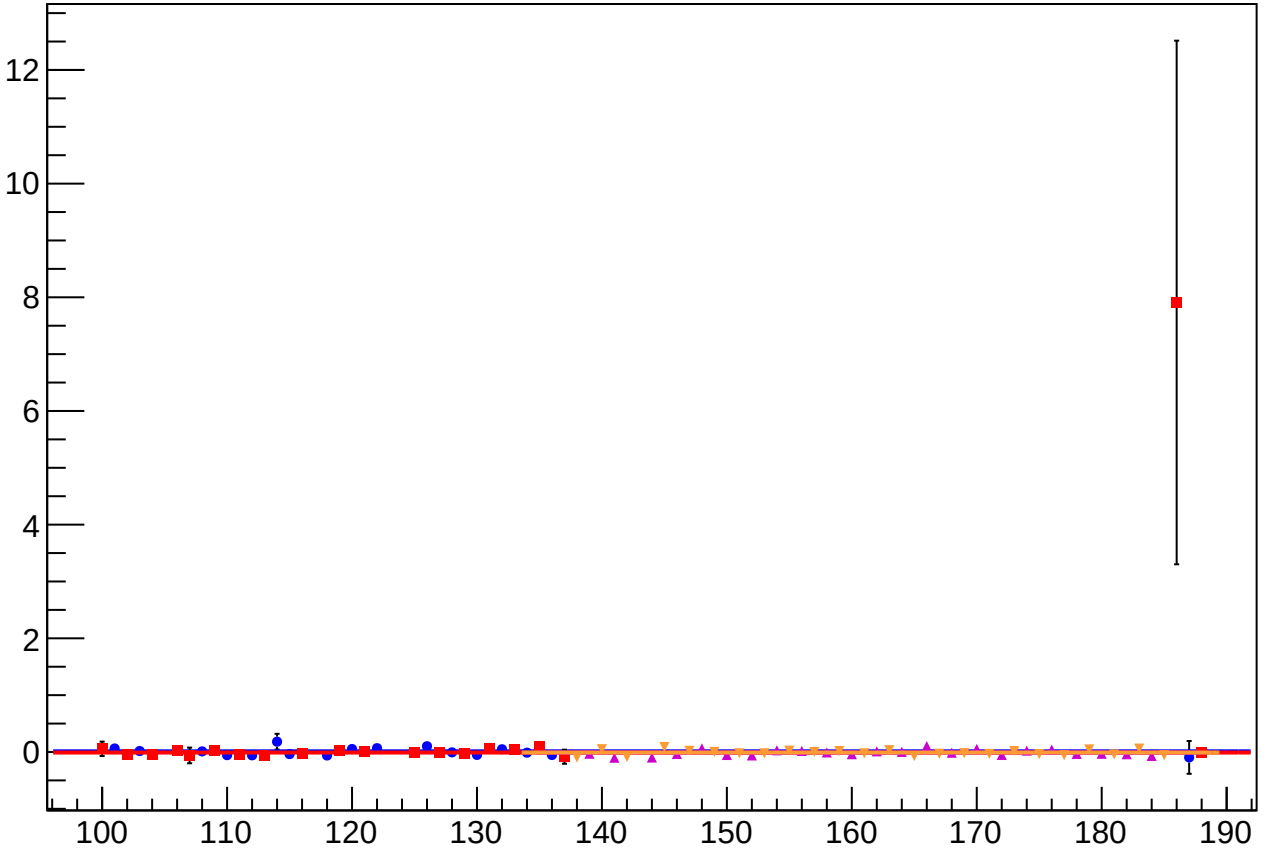
Right: 33.838+/-0.007 χ^2/NDF: 2357802.0/36

In: 37.557+/-0.006 χ^2/NDF:1334110.6/39

Out: 36.976+/-0.005 χ^2/NDF:2585717.9/43

All: 37.256+/-0.004 χ^2/NDF: 3925541.9/83

asym_usl_overload_cor_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.012+/-0.014 χ^2/NDF: 14.8/16

Left Out: -0.010+/-0.009 χ^2/NDF:19.4/23

Right Out: -0.010+/-0.013 χ^2/NDF: 12.9/19

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

Left: -0.010+/-0.007 χ^2/NDF: 42.7/46

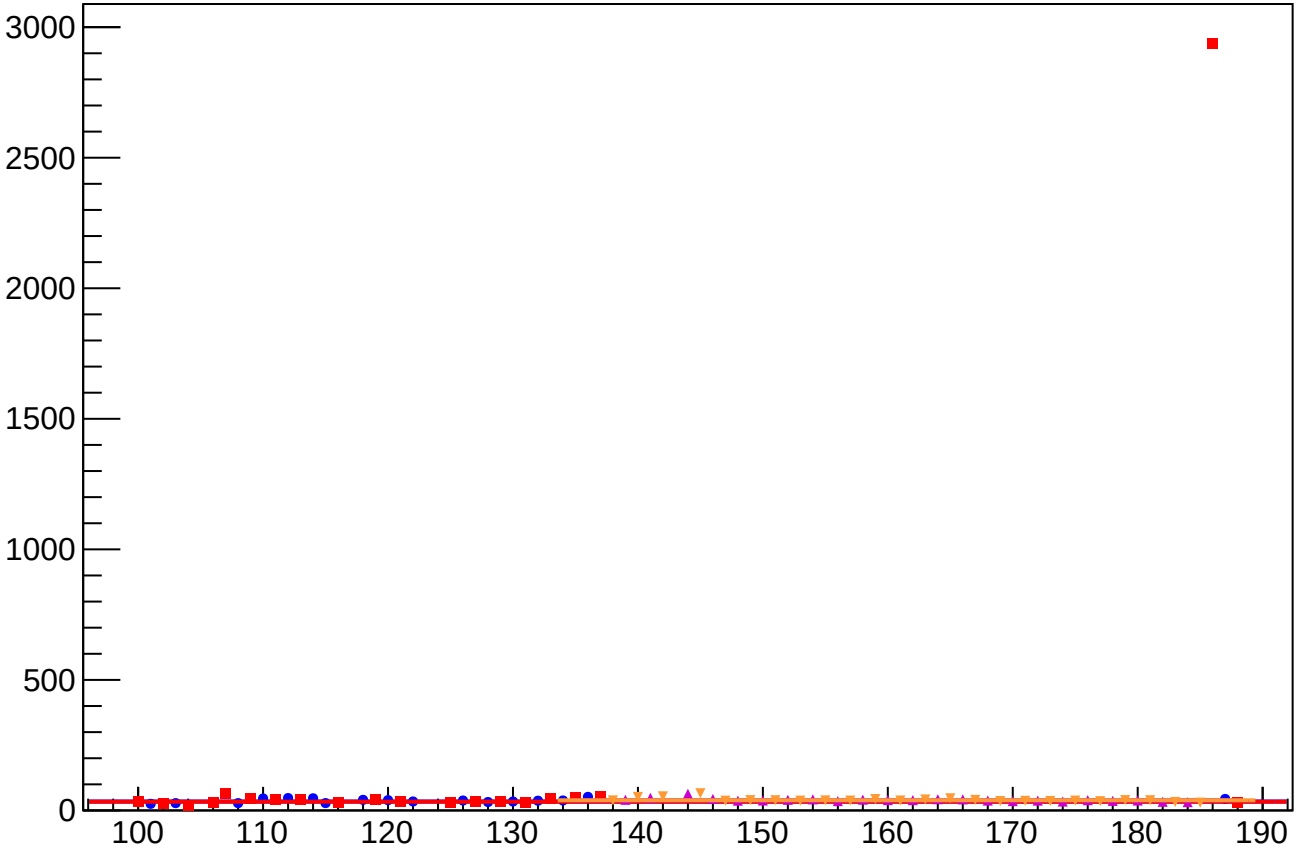
Right: 0.000+/-0.009 χ^2/NDF: 29.1/36

In: -0.004+/-0.008 χ^2/NDF:40.0/39

Out: -0.010+/-0.008 χ^2/NDF:32.4/43

All: -0.007+/-0.005 χ^2/NDF: 72.7/83

asym_usl_overload_cor_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.276+/-0.010 χ^2/NDF: 638291.4/16

Left Out: 38.972+/-0.007 χ^2/NDF:624525.1/23

Right Out: 33.465+/-0.009 χ^2/NDF: 1715667.2/19

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

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

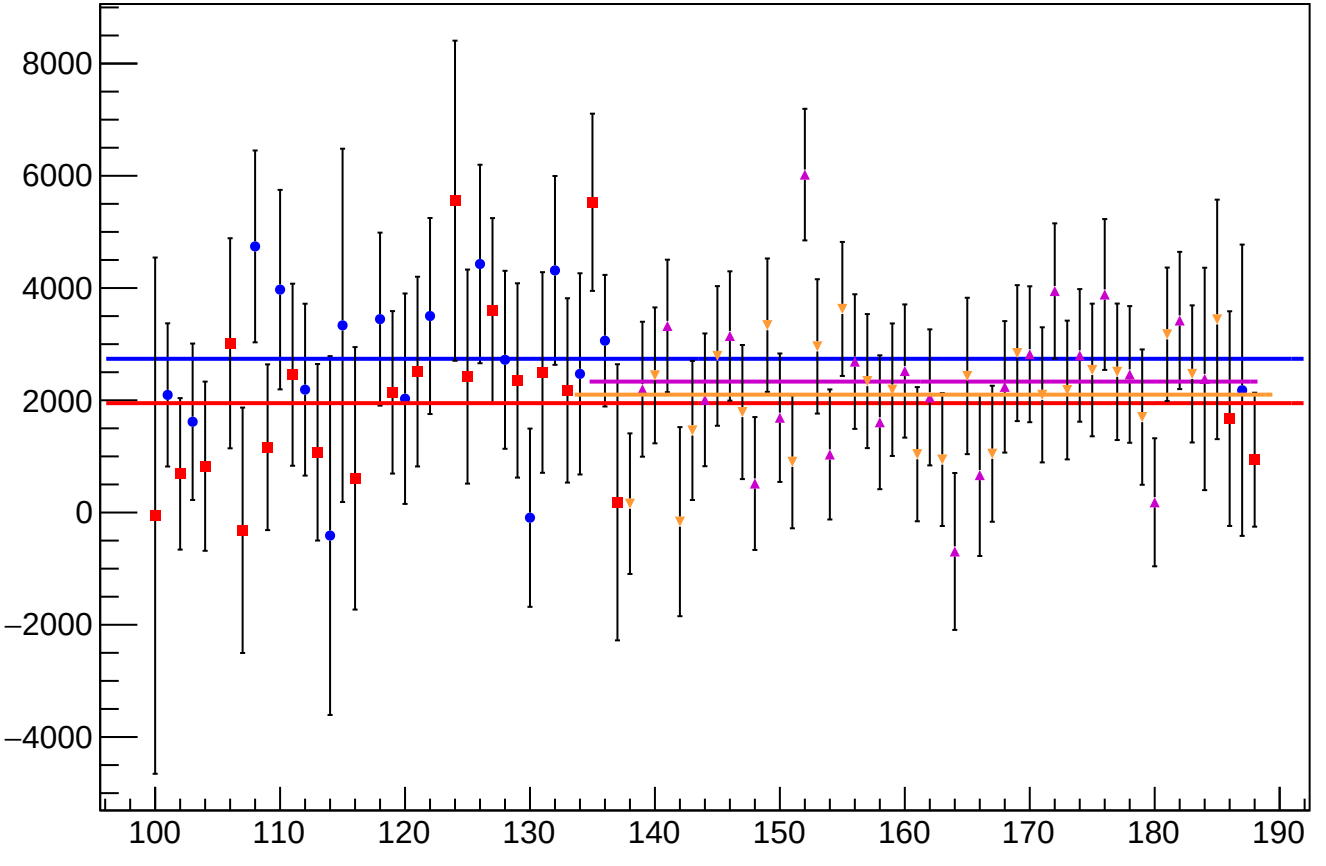
Right: 33.838+/-0.007 χ^2/NDF: 2357802.0/36

In: 37.557+/-0.006 χ^2/NDF:1334110.6/39

Out: 36.976+/-0.005 χ^2/NDF:2585717.9/43

All: 37.256+/-0.004 χ^2/NDF: 3925541.9/83

reg_asym_usr_mean vs Slug, Sign Corrected



Right In: 2739.158+/-404.821 χ^2/NDF: 9.5/16

Left Out: 2100.398+/-248.306 χ^2/NDF:13.8/24

Right Out: 1948.847+/-375.067 χ^2/NDF: 13.4/20

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

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

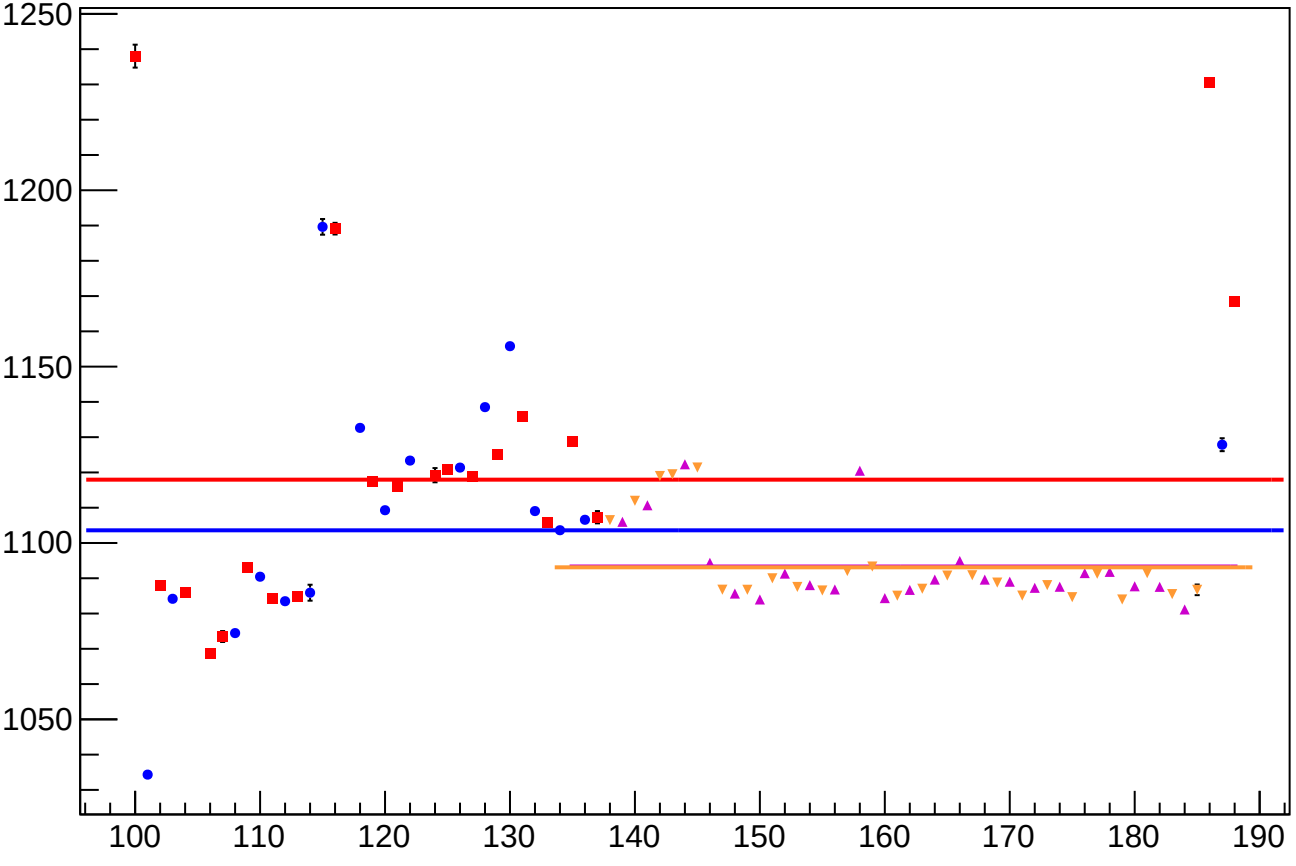
Right: 2313.895+/-275.131 χ^2/NDF: 25.0/37

In: 2448.529+/-215.934 χ^2/NDF:39.8/39

Out: 2054.216+/-207.045 χ^2/NDF:27.3/45

All: 2243.090+/-149.447 χ^2/NDF: 68.8/85

reg_asym_usr_rms vs Slug, Sign Corrected



Right In: 1103.593+/-0.286 χ^2/NDF: 13403.1/16

Left Out: 1093.102+/-0.176 χ^2/NDF:3983.2/24

Right Out: 1117.953+/-0.265 χ^2/NDF: 20607.2/20

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

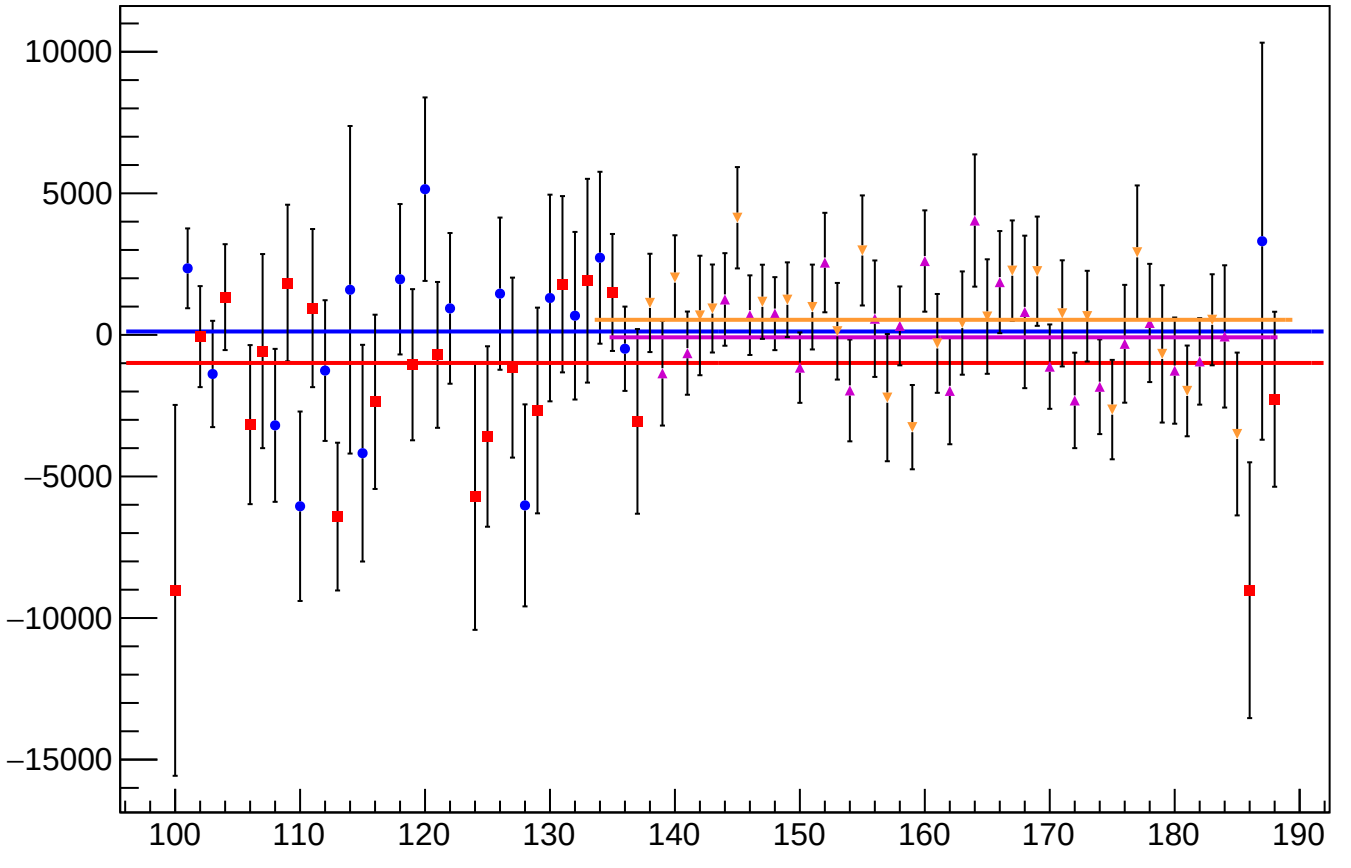
Left: 1093.217+/-0.126 χ^2/NDF: 7709.8/47

Right: 1111.320+/-0.195 χ^2/NDF: 35364.4/37

In: 1096.256+/-0.153 χ^2/NDF:18047.0/39

Out: 1100.675+/-0.146 χ^2/NDF:30694.6/45

All: 1098.558+/-0.106 χ^2/NDF: 49178.0/85



Right In: 120.729+/-615.708 χ^2/NDF: 17.1/16

Left Out: 532.982+/-347.223 χ^2/NDF:26.4/24

Right Out: -991.018+/-617.990 χ^2/NDF: 18.5/20

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

Left: 229.744+/-247.862 χ^2/NDF: 46.1/47

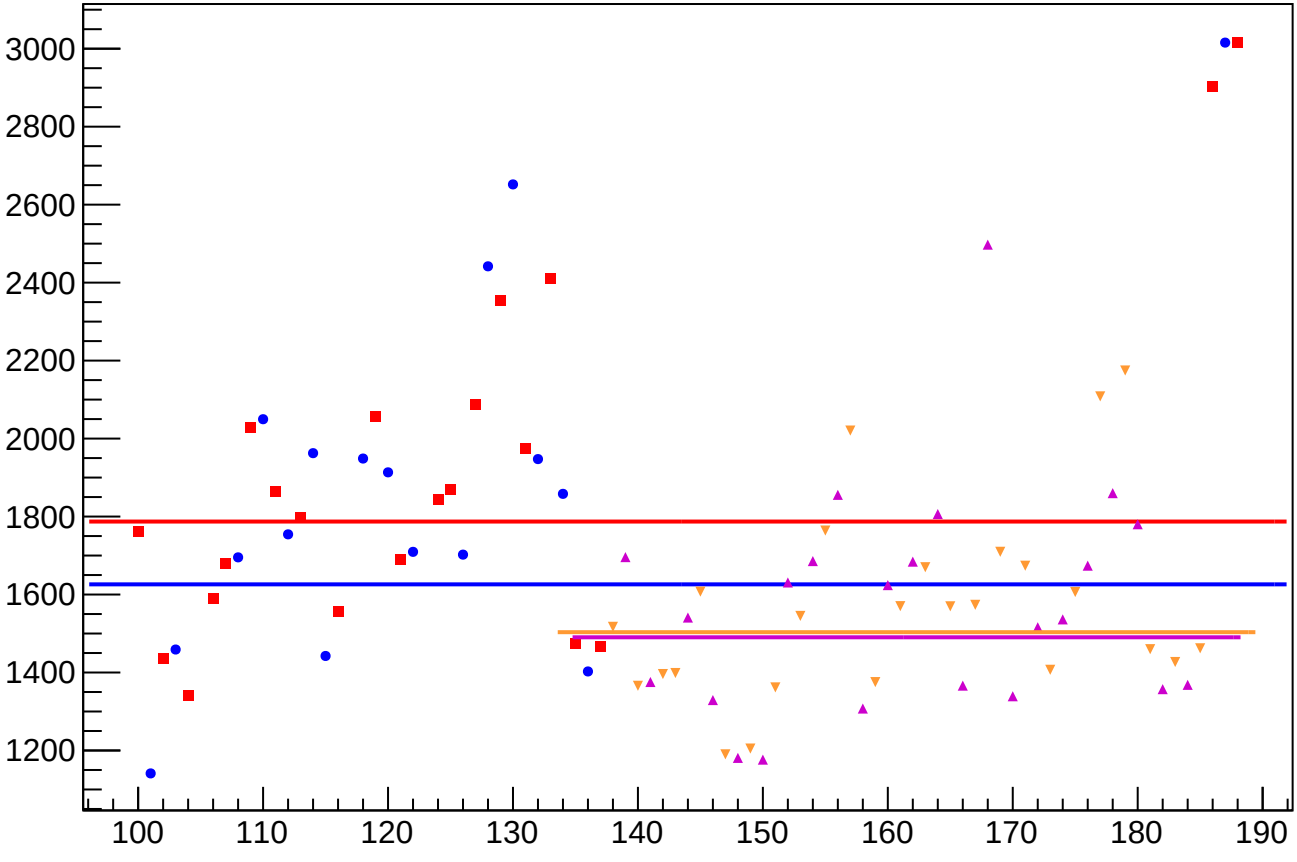
Right: -433.088+/-436.176 χ^2/NDF: 37.3/37

In: -34.150+/-306.848 χ^2/NDF:35.3/39

Out: 167.314+/-302.714 χ^2/NDF:49.6/45

All: 67.948+/-215.498 χ^2/NDF: 85.1/85

asym_usr_reg_correction_rms vs Slug, Sign Corrected



Right In: 1626.112+/-0.435 χ^2/NDF: 772772.2/16

Left Out: 1503.437+/-0.246 χ^2/NDF:799670.9/24

Right Out: 1787.195+/-0.437 χ^2/NDF: 893771.4/20

Left In: 1490.314+/-0.250 χ^2/NDF:968221.5/22

Left: 1497.001+/-0.175 χ^2/NDF: 1769293.4/47

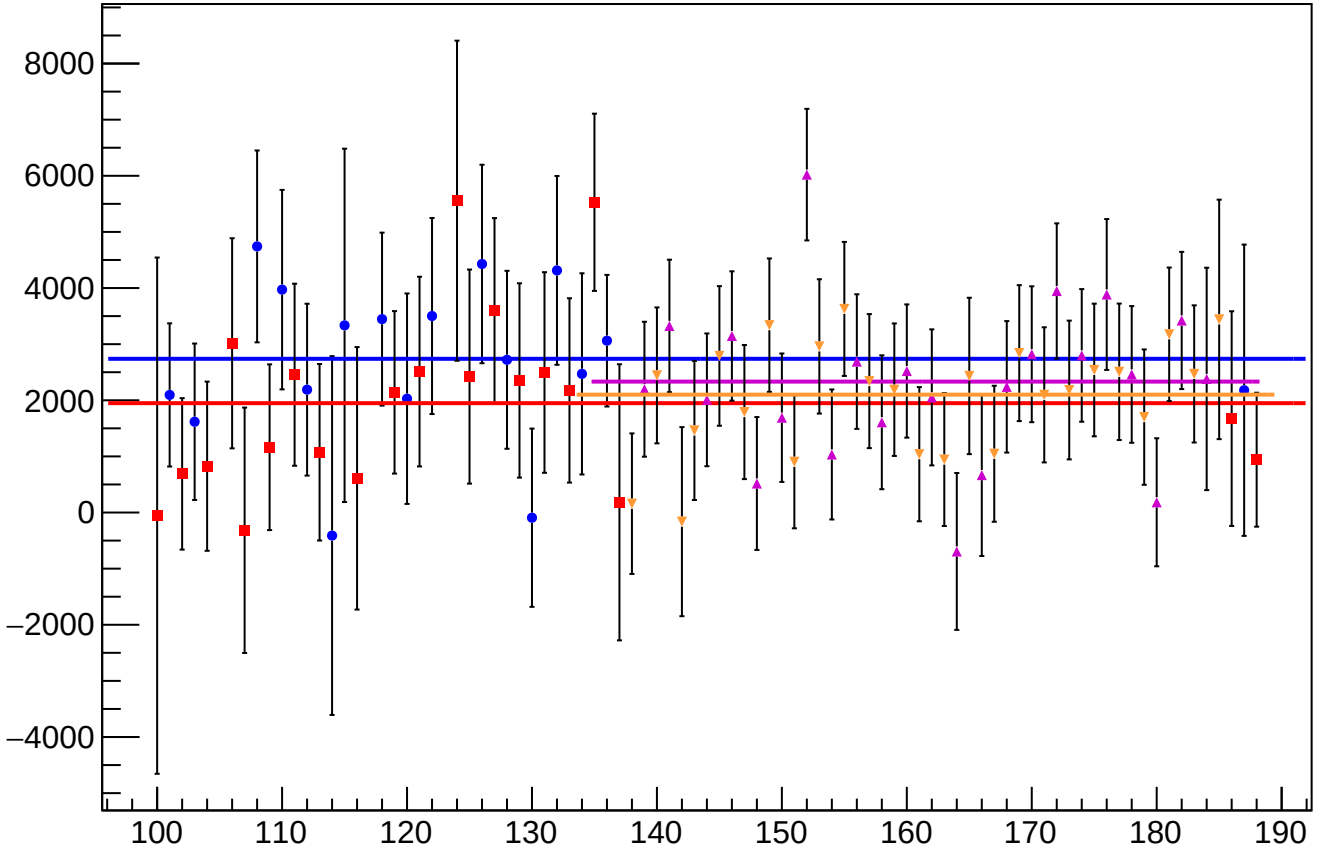
Right: 1706.356+/-0.308 χ^2/NDF: 1734737.4/37

In: 1524.042+/-0.217 χ^2/NDF:1814118.9/39

Out: 1571.522+/-0.214 χ^2/NDF:2013931.5/45

All: 1548.104+/-0.152 χ^2/NDF: 3852317.5/85

cor_asym_usr_mean vs Slug, Sign Corrected



Right In: 2739.158+/-404.821 χ^2/NDF: 9.5/16

Left Out: 2100.398+/-248.306 χ^2/NDF:13.8/24

Right Out: 1948.847+/-375.067 χ^2/NDF: 13.4/20

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

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

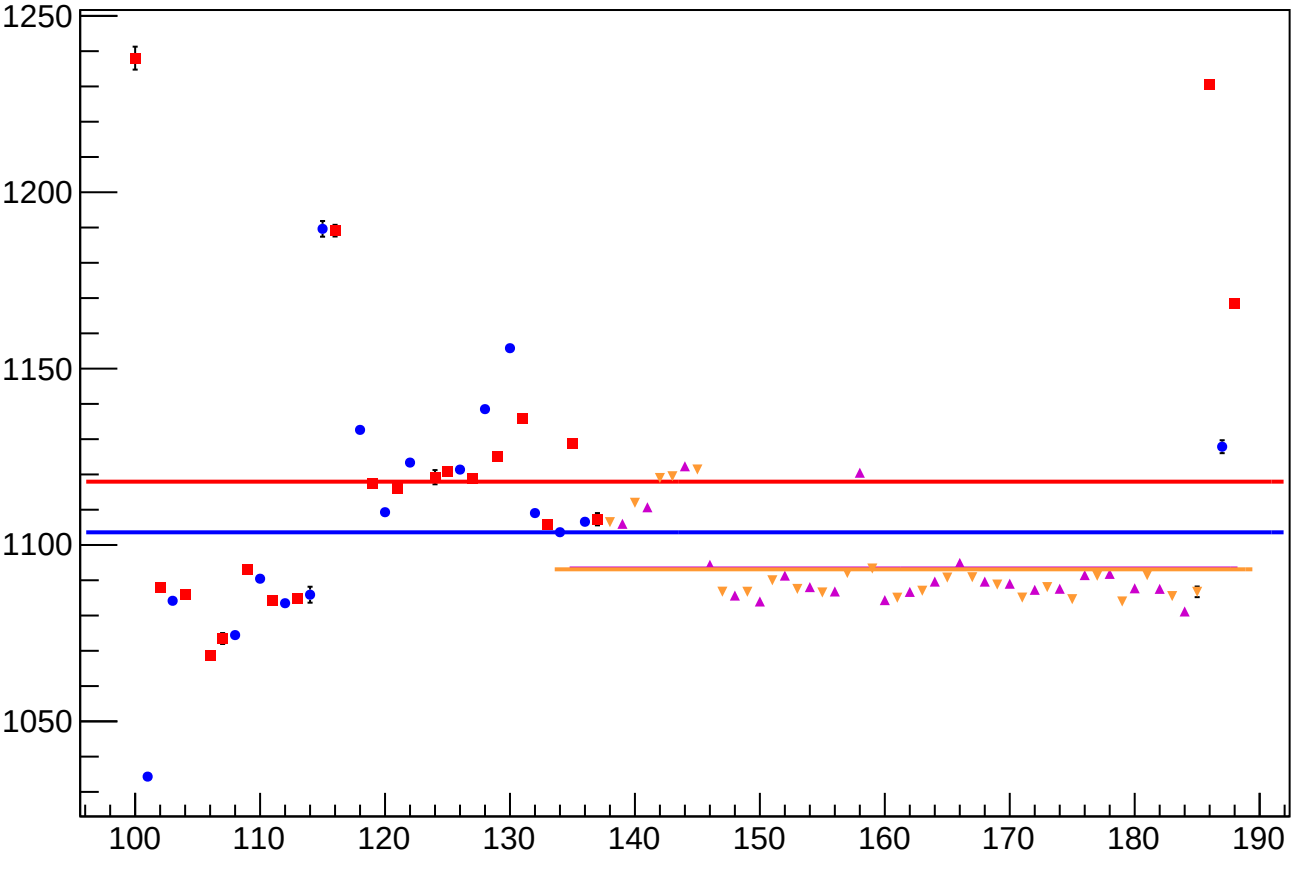
Right: 2313.895+/-275.131 χ^2/NDF: 25.0/37

In: 2448.529+/-215.934 χ^2/NDF:39.8/39

Out: 2054.216+/-207.045 χ^2/NDF:27.3/45

All: 2243.090+/-149.447 χ^2/NDF: 68.8/85

cor_asym_usr_rms vs Slug, Sign Corrected



Right In: 1103.593+/-0.286 χ^2/NDF: 13403.1/16

Left Out: 1093.102+/-0.176 χ^2/NDF:3983.2/24

Right Out: 1117.953+/-0.265 χ^2/NDF: 20607.2/20

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

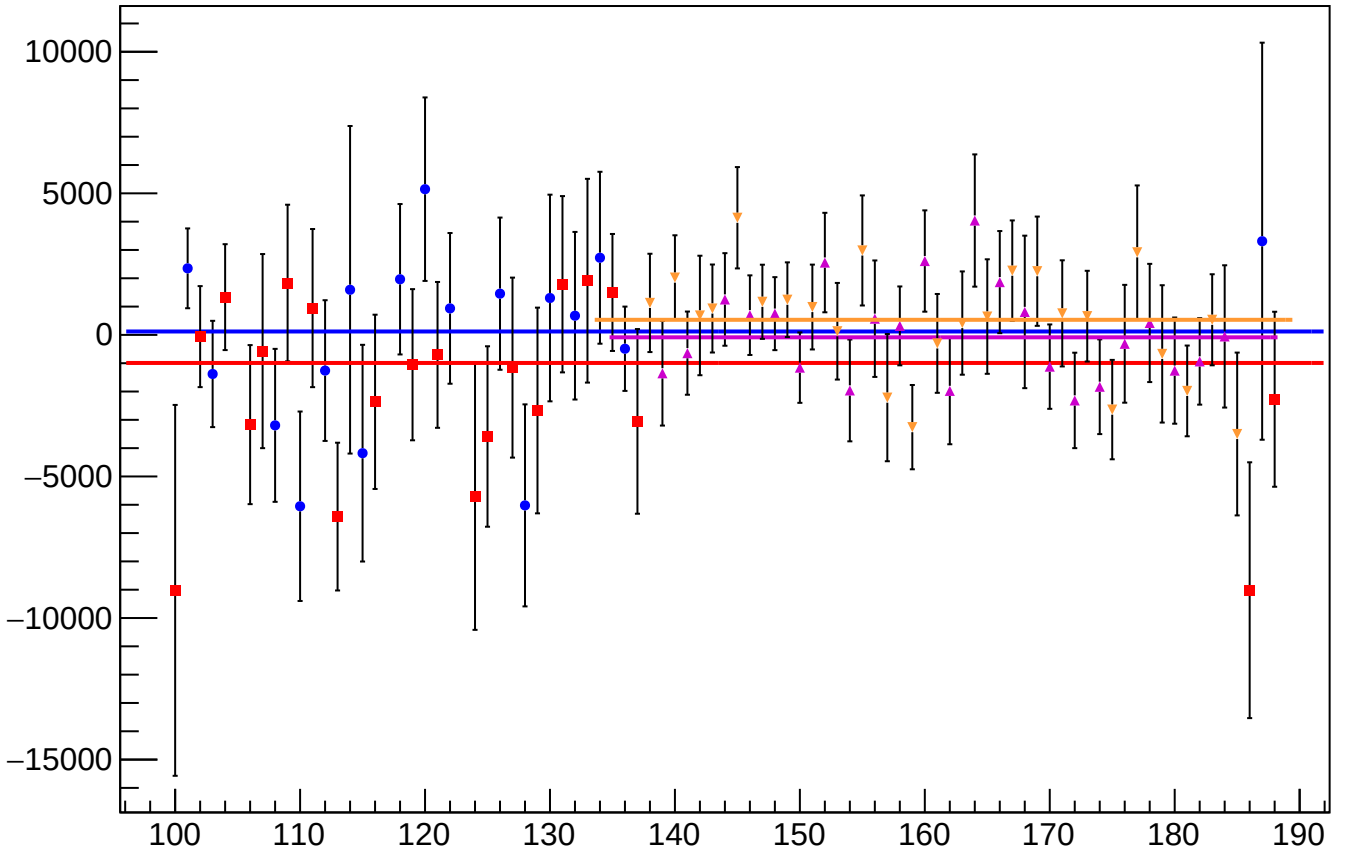
Left: 1093.217+/-0.126 χ^2/NDF: 7709.8/47

Right: 1111.320+/-0.195 χ^2/NDF: 35364.4/37

In: 1096.256+/-0.153 χ^2/NDF:18047.0/39

Out: 1100.675+/-0.146 χ^2/NDF:30694.6/45

All: 1098.558+/-0.106 χ^2/NDF: 49178.0/85



Right In: 120.729+/-615.708 χ^2/NDF: 17.1/16

Left Out: 532.982+/-347.223 χ^2/NDF:26.4/24

Right Out: -991.018+/-617.990 χ^2/NDF: 18.5/20

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

Left: 229.744+/-247.862 χ^2/NDF: 46.1/47

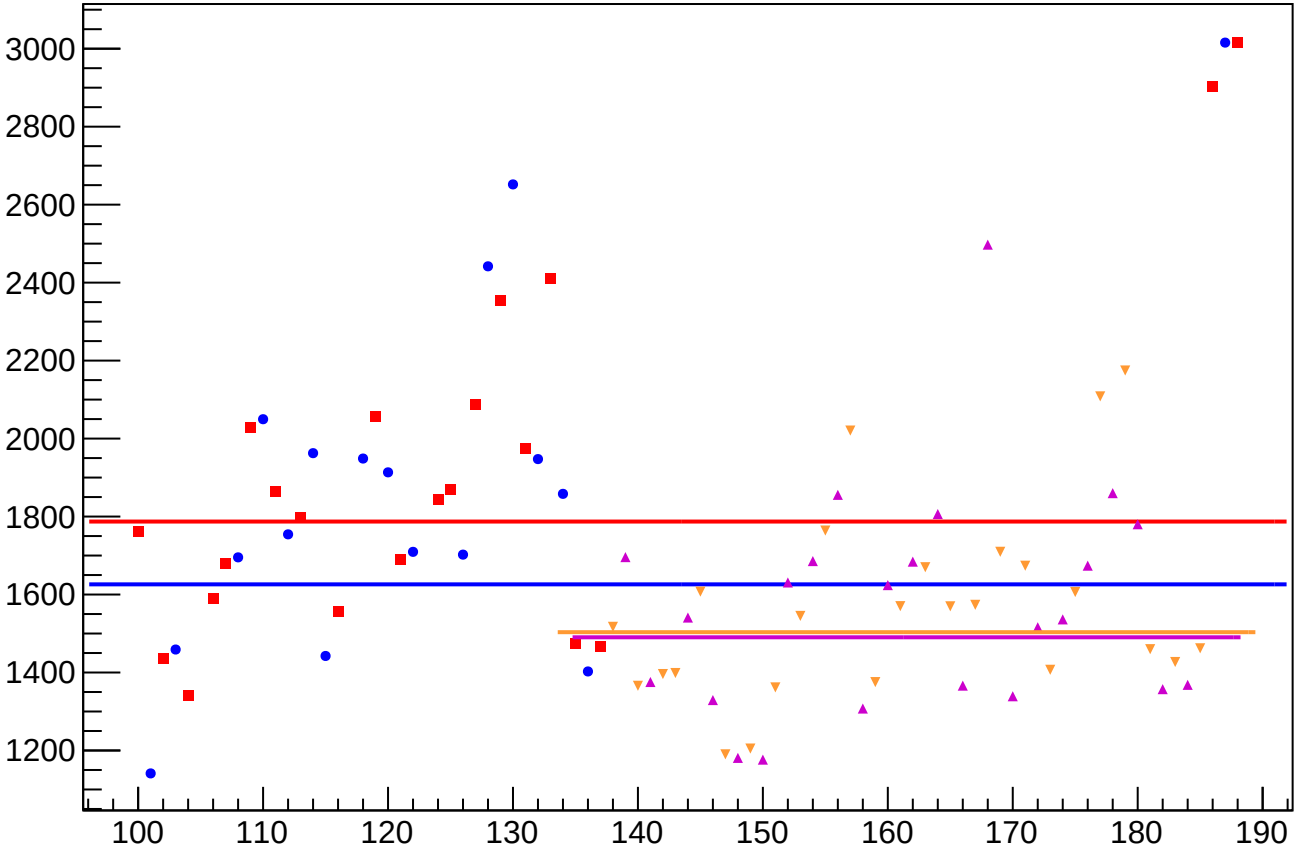
Right: -433.088+/-436.176 χ^2/NDF: 37.3/37

In: -34.150+/-306.848 χ^2/NDF:35.3/39

Out: 167.314+/-302.714 χ^2/NDF:49.6/45

All: 67.948+/-215.498 χ^2/NDF: 85.1/85

asym_usr_cor_correction_rms vs Slug, Sign Corrected



Right In: 1626.112+/-0.435 χ^2/NDF: 772772.2/16

Left Out: 1503.437+/-0.246 χ^2/NDF:799670.9/24

Right Out: 1787.195+/-0.437 χ^2/NDF: 893771.4/20

Left In: 1490.314+/-0.250 χ^2/NDF:968221.5/22

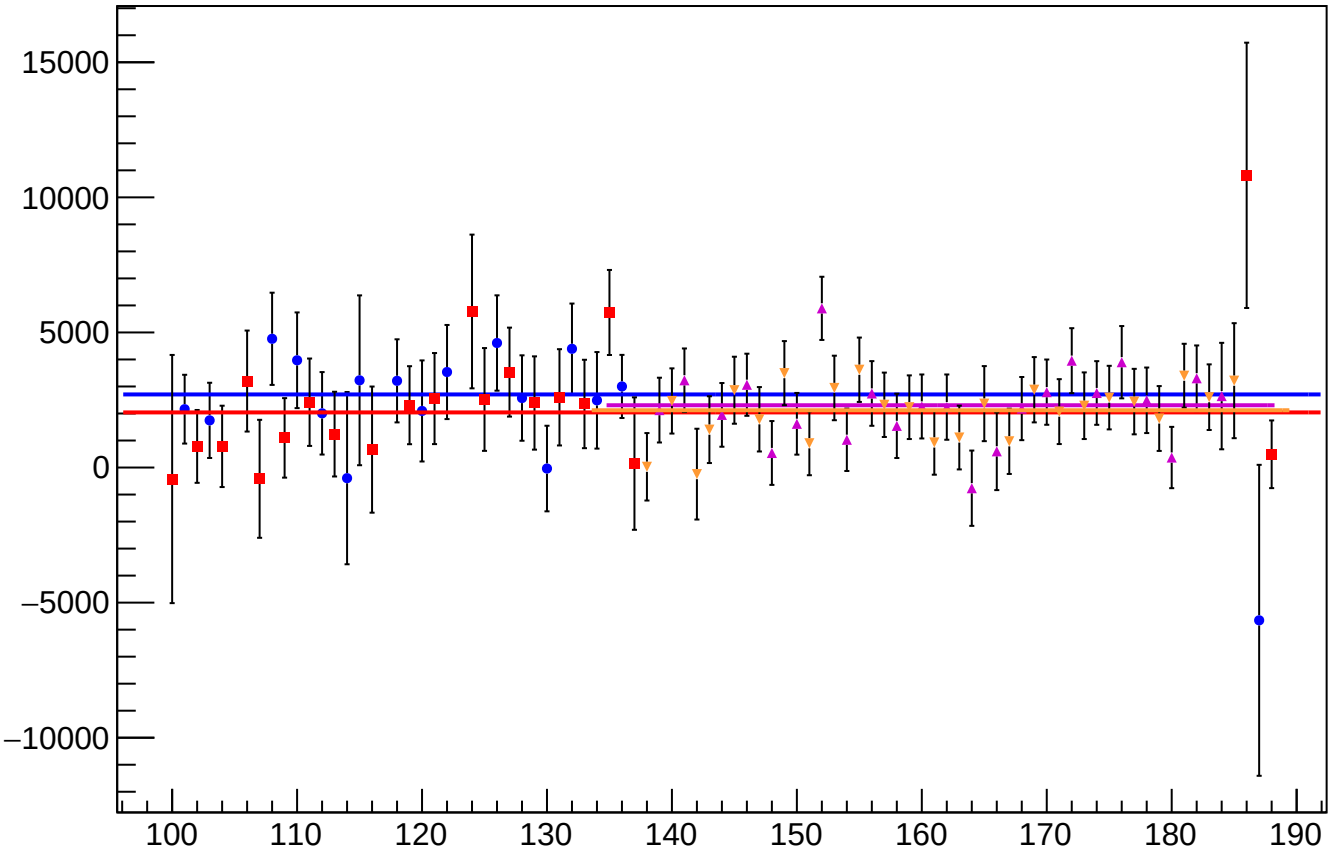
Left: 1497.001+/-0.175 χ^2/NDF: 1769293.4/47

Right: 1706.356+/-0.308 χ^2/NDF: 1734737.4/37

In: 1524.042+/-0.217 χ^2/NDF:1814118.9/39

Out: 1571.522+/-0.214 χ^2/NDF:2013931.5/45

All: 1548.104+/-0.152 χ^2/NDF: 3852317.5/85



Right In: 2705.760+/-407.732 χ^2/NDF: 11.6/16

Left Out: 2119.973+/-247.544 χ^2/NDF:15.1/24

Right Out: 2040.007+/-382.289 χ^2/NDF: 18.3/20

Left In: 2305.411+/-254.497 χ^2/NDF:28.5/22

Left: 2210.124+/-177.447 χ^2/NDF: 43.9/47

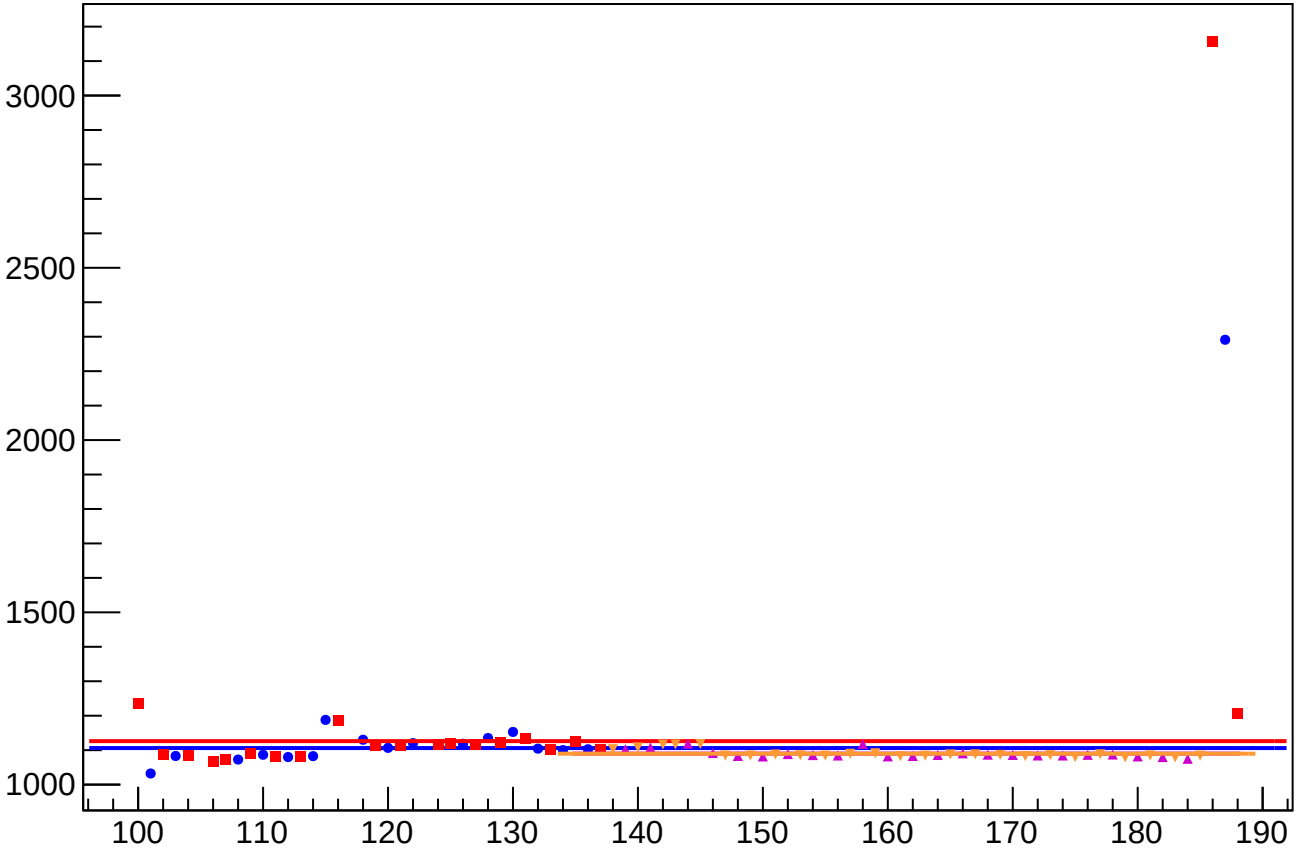
Right: 2351.464+/-278.880 χ^2/NDF: 31.4/37

In: 2417.656+/-215.893 χ^2/NDF:40.8/39

Out: 2096.349+/-207.785 χ^2/NDF:33.5/45

All: 2250.856+/-149.711 χ^2/NDF: 75.4/85

overload_cor_asym_usr_rms vs Slug, Sign Corrected



Right In: 1106.069+/-0.288 χ^2/NDF: 98316.7/16

Left Out: 1089.744+/-0.175 χ^2/NDF:4057.6/24

Right Out: 1126.204+/-0.270 χ^2/NDF: 364016.8/20

Left In: 1089.964+/-0.180 χ^2/NDF:3896.0/22

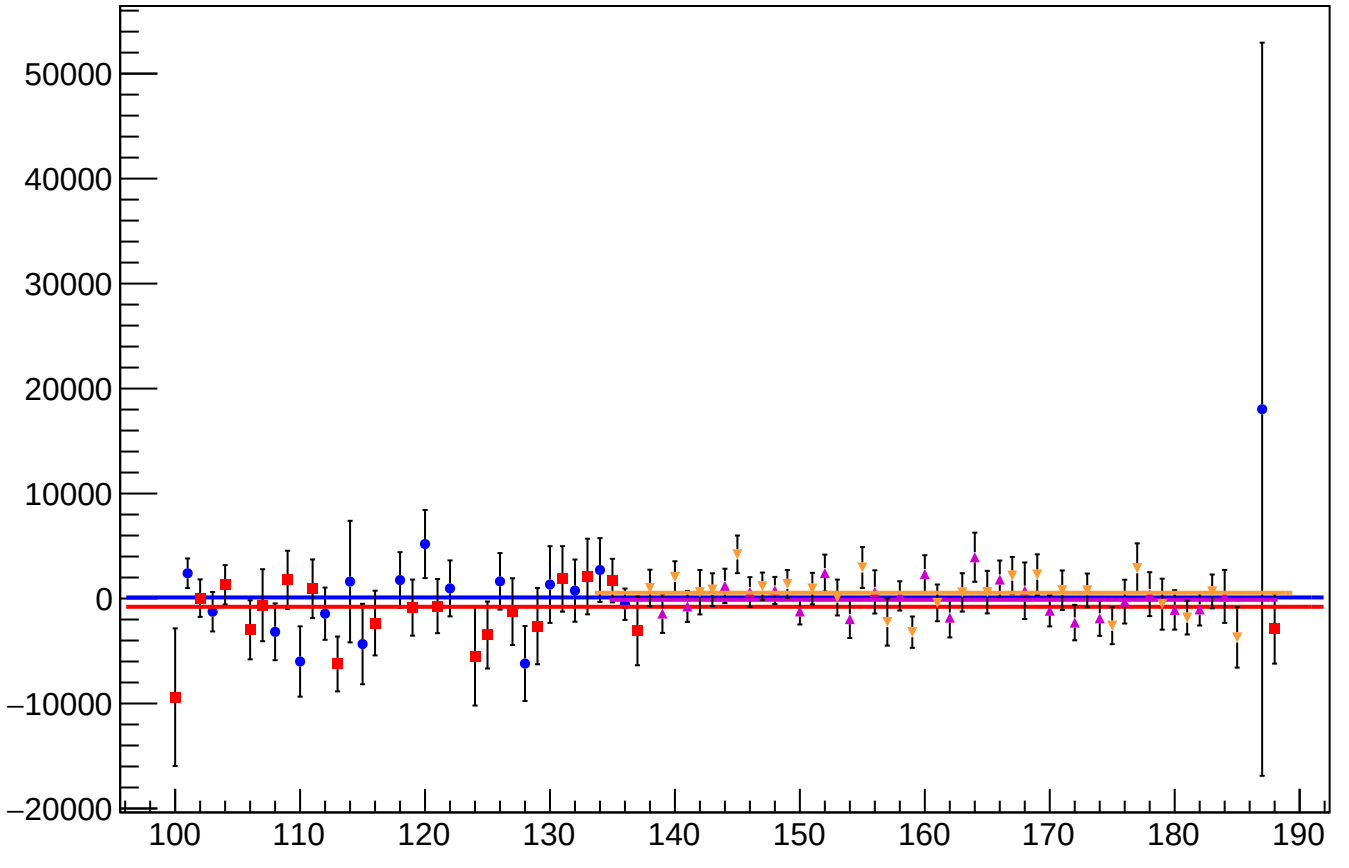
Left: 1089.851+/-0.125 χ^2/NDF: 7954.4/47

Right: 1116.785+/-0.197 χ^2/NDF: 464929.2/37

In: 1094.480+/-0.153 χ^2/NDF:104458.2/39

Out: 1100.515+/-0.147 χ^2/NDF:380892.6/45

All: 1097.613+/-0.106 χ^2/NDF: 486162.2/85



Right In: 103.067+/-618.779 χ^2/NDF: 17.5/16

Left Out: 553.759+/-347.813 χ^2/NDF:26.1/24

Right Out: -787.429+/-626.227 χ^2/NDF: 15.3/19

Left In: -121.420+/-354.540 χ^2/NDF:17.1/22

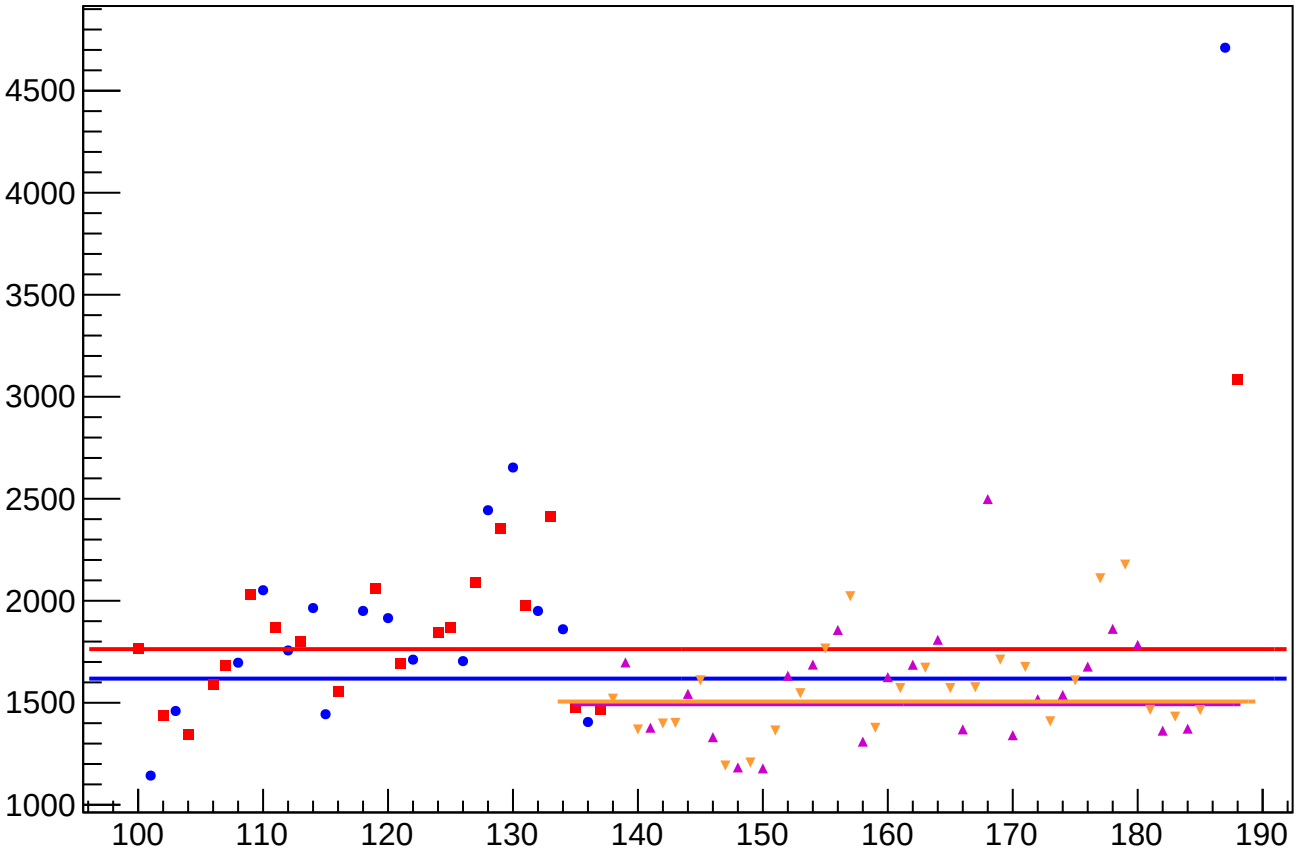
Left: 222.636+/-248.285 χ^2/NDF: 45.1/47

Right: -336.854+/-440.153 χ^2/NDF: 33.9/36

In: -65.938+/-307.623 χ^2/NDF:34.7/39

Out: 237.569+/-304.062 χ^2/NDF:45.0/44

All: 87.583+/-216.252 χ^2/NDF: 80.2/84



Right In: 1618.462+/-0.438 χ^2/NDF: 707417.2/16

Left Out: 1506.103+/-0.246 χ^2/NDF:796401.8/24

Right Out: 1762.880+/-0.443 χ^2/NDF: 753679.2/19

Left In: 1492.976+/-0.251 χ^2/NDF:964358.0/22

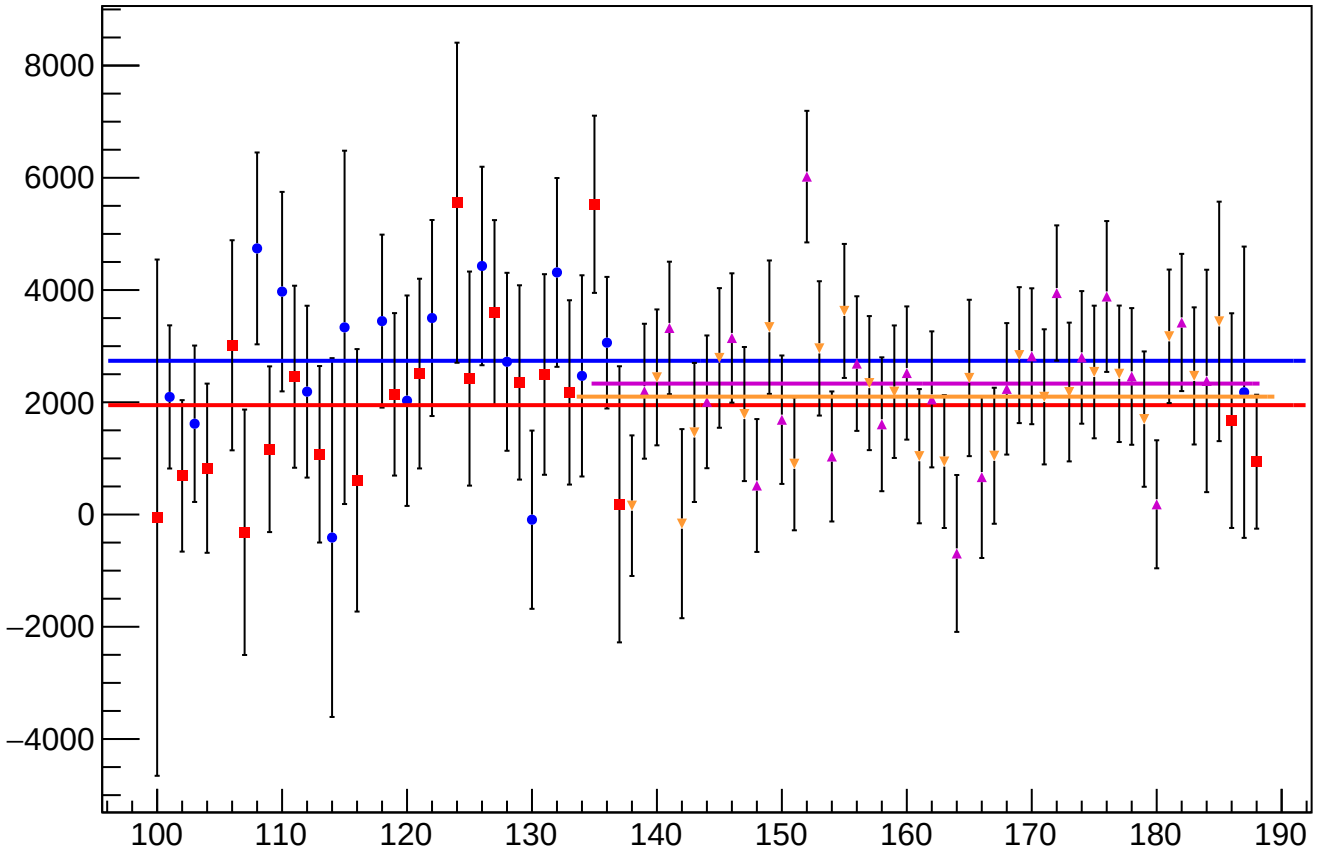
Left: 1499.665+/-0.176 χ^2/NDF: 1762156.9/47

Right: 1689.807+/-0.311 χ^2/NDF: 1514916.2/36

In: 1523.990+/-0.218 χ^2/NDF:1733699.1/39

Out: 1566.639+/-0.215 χ^2/NDF:1807068.4/44

All: 1545.563+/-0.153 χ^2/NDF: 3560212.3/84



Right In: 2739.158+/-404.821 χ^2/NDF: 9.5/16

Left Out: 2100.398+/-248.306 χ^2/NDF:13.8/24

Right Out: 1948.847+/-375.067 χ^2/NDF: 13.4/20

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

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

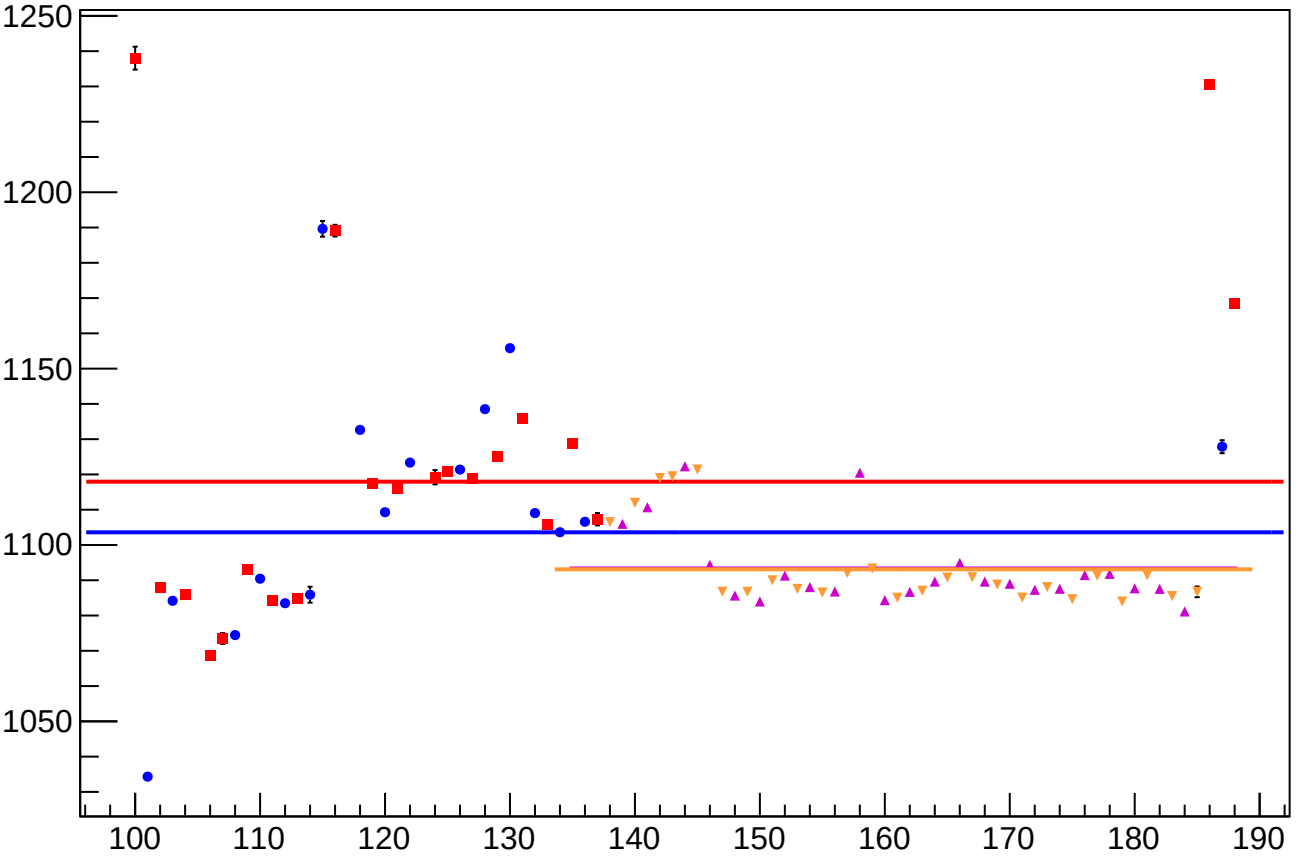
Right: 2313.895+/-275.131 χ^2/NDF: 25.0/37

In: 2448.529+/-215.934 χ^2/NDF:39.8/39

Out: 2054.216+/-207.045 χ^2/NDF:27.3/45

All: 2243.090+/-149.447 χ^2/NDF: 68.8/85

eigen_cor_asym_usr_rms vs Slug, Sign Corrected



Right In: 1103.593+/-0.286 χ^2/NDF: 13403.1/16

Left Out: 1093.102+/-0.176 χ^2/NDF:3983.2/24

Right Out: 1117.953+/-0.265 χ^2/NDF: 20607.2/20

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

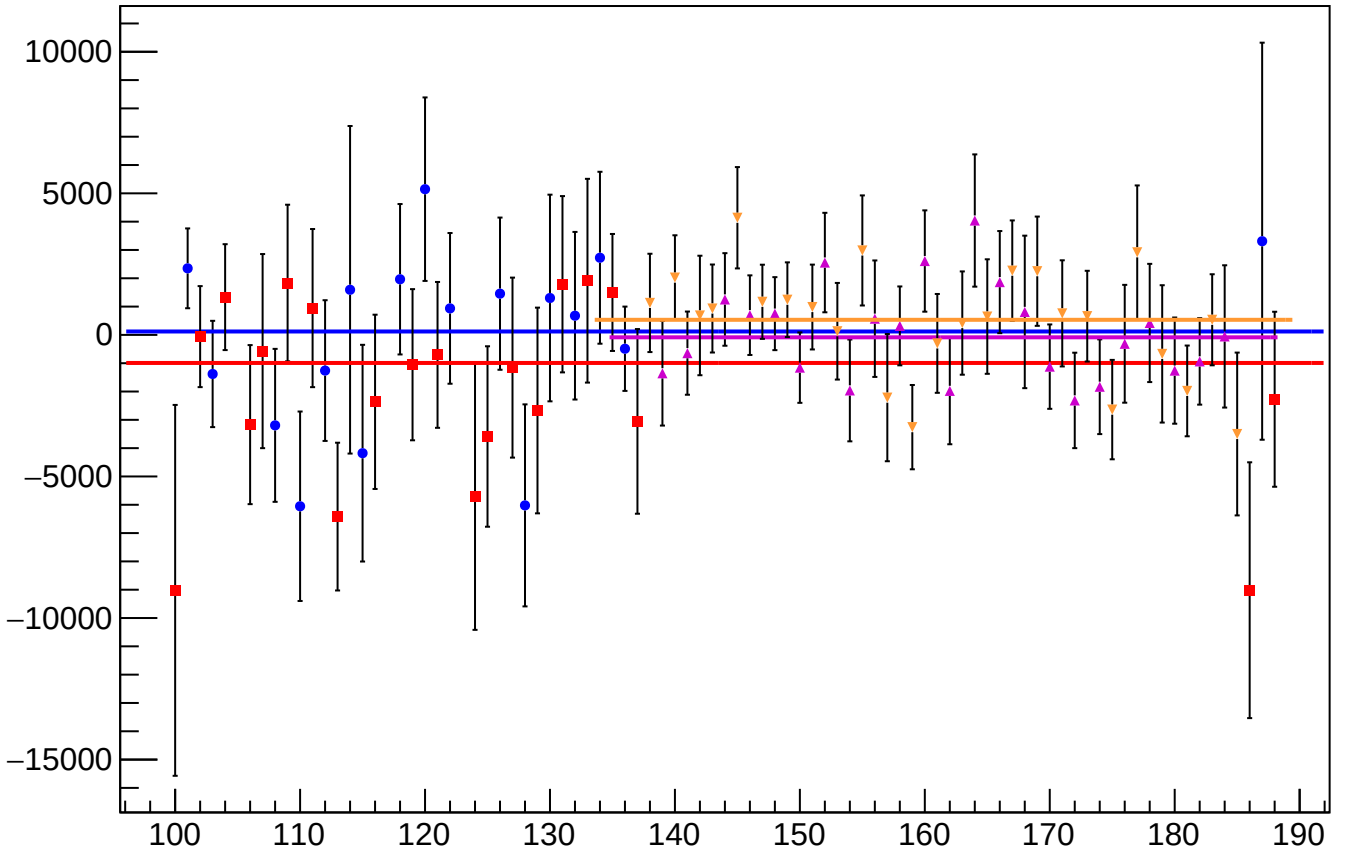
Left: 1093.217+/-0.126 χ^2/NDF: 7709.8/47

Right: 1111.320+/-0.195 χ^2/NDF: 35364.4/37

In: 1096.256+/-0.153 χ^2/NDF:18047.0/39

Out: 1100.675+/-0.146 χ^2/NDF:30694.6/45

All: 1098.558+/-0.106 χ^2/NDF: 49178.0/85



Right In: 120.729+/-615.708 χ^2/NDF: 17.1/16

Left Out: 532.982+/-347.223 χ^2/NDF:26.4/24

Right Out: -991.018+/-617.990 χ^2/NDF: 18.5/20

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

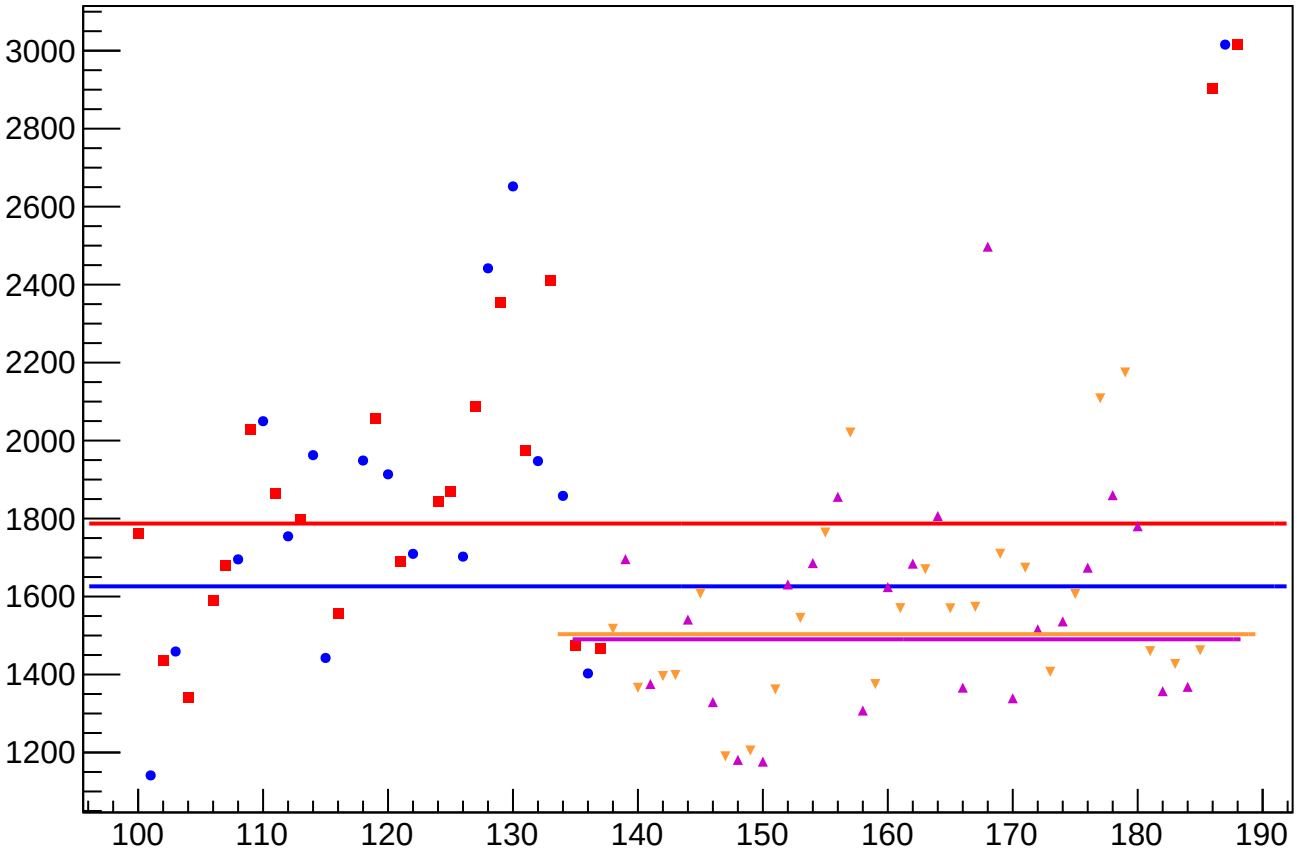
Left: 229.744+/-247.862 χ^2/NDF: 46.1/47

Right: -433.088+/-436.176 χ^2/NDF: 37.3/37

In: -34.150+/-306.848 χ^2/NDF:35.3/39

Out: 167.314+/-302.714 χ^2/NDF:49.6/45

All: 67.948+/-215.498 χ^2/NDF: 85.1/85



Right In: 1626.112+/-0.435 χ^2/NDF: 772772.2/16

Left Out: 1503.437+/-0.246 χ^2/NDF:799670.9/24

Right Out: 1787.195+/-0.437 χ^2/NDF: 893771.4/20

Left In: 1490.314+/-0.250 χ^2/NDF:968221.5/22

Left: 1497.001+/-0.175 χ^2/NDF: 1769293.4/47

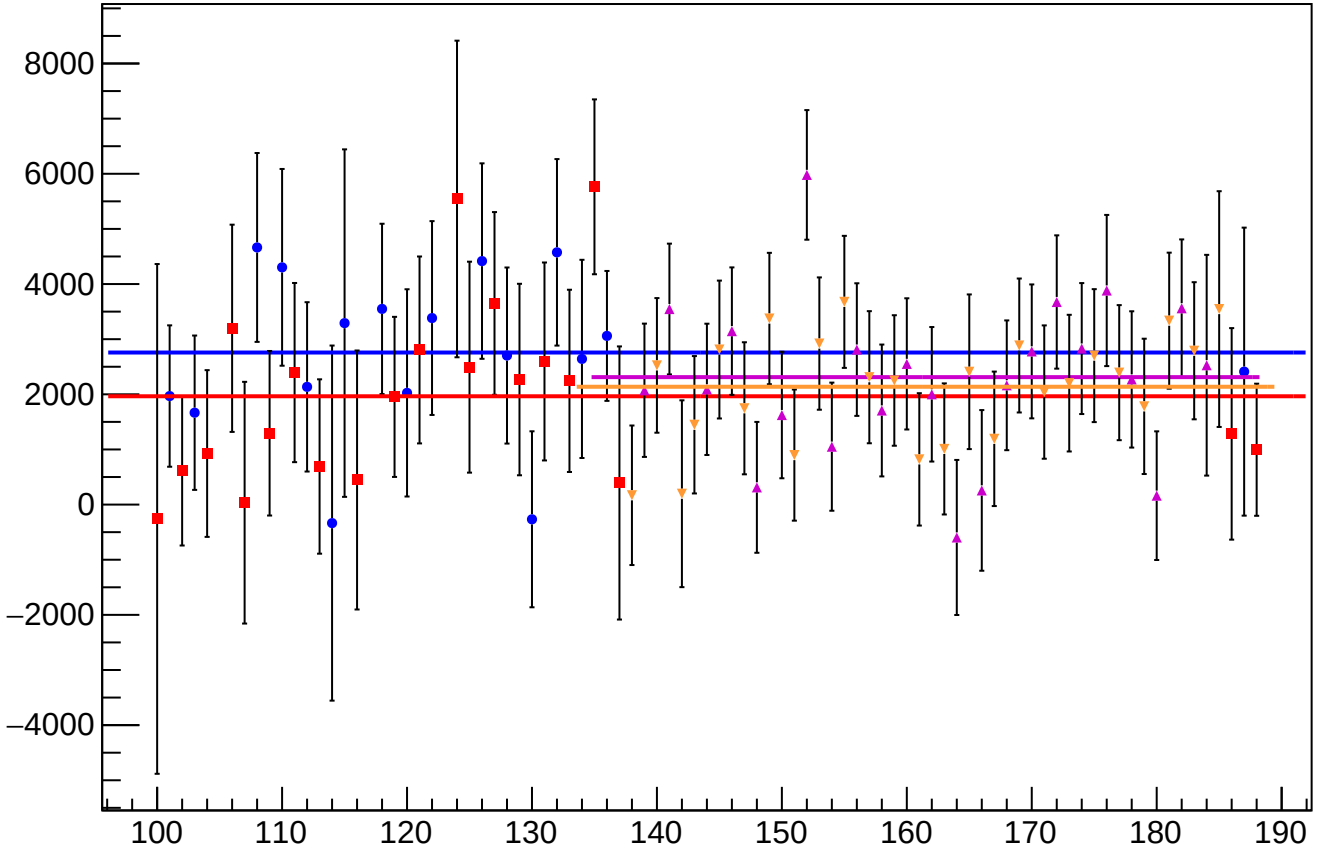
Right: 1706.356+/-0.308 χ^2/NDF: 1734737.4/37

In: 1524.042+/-0.217 χ^2/NDF:1814118.9/39

Out: 1571.522+/-0.214 χ^2/NDF:2013931.5/45

All: 1548.104+/-0.152 χ^2/NDF: 3852317.5/85

dit_asym_usr_mean vs Slug, Sign Corrected



Right In: 2758.049+/-406.546 χ^2/NDF: 10.3/16

Left Out: 2137.184+/-250.195 χ^2/NDF:13.9/24

Right Out: 1964.677+/-376.687 χ^2/NDF: 14.3/20

Left In: 2311.761+/-257.036 χ^2/NDF:29.9/22

Left: 2222.119+/-179.284 χ^2/NDF: 44.1/47

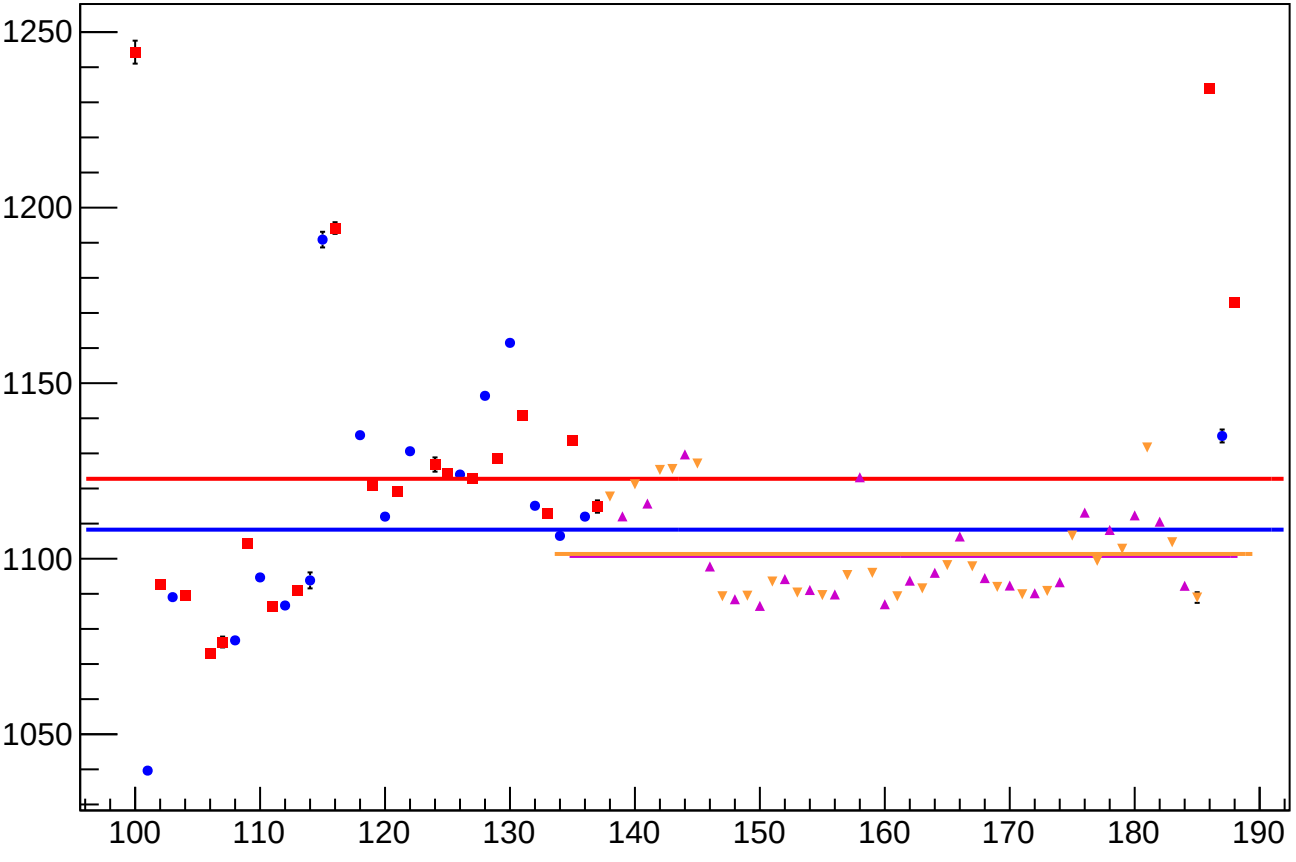
Right: 2331.161+/-276.311 χ^2/NDF: 26.6/37

In: 2439.210+/-217.256 χ^2/NDF:41.1/39

Out: 2084.378+/-208.412 χ^2/NDF:28.3/45

All: 2254.425+/-150.399 χ^2/NDF: 70.9/85

dit_asym_usr_rms vs Slug, Sign Corrected



Right In: 1108.276+/-0.287 χ^2/NDF: 13434.8/16

Left Out: 1101.353+/-0.177 χ^2/NDF:5950.6/24

Right Out: 1122.762+/-0.266 χ^2/NDF: 20295.5/20

Left In: 1100.792+/-0.182 χ^2/NDF:4641.7/22

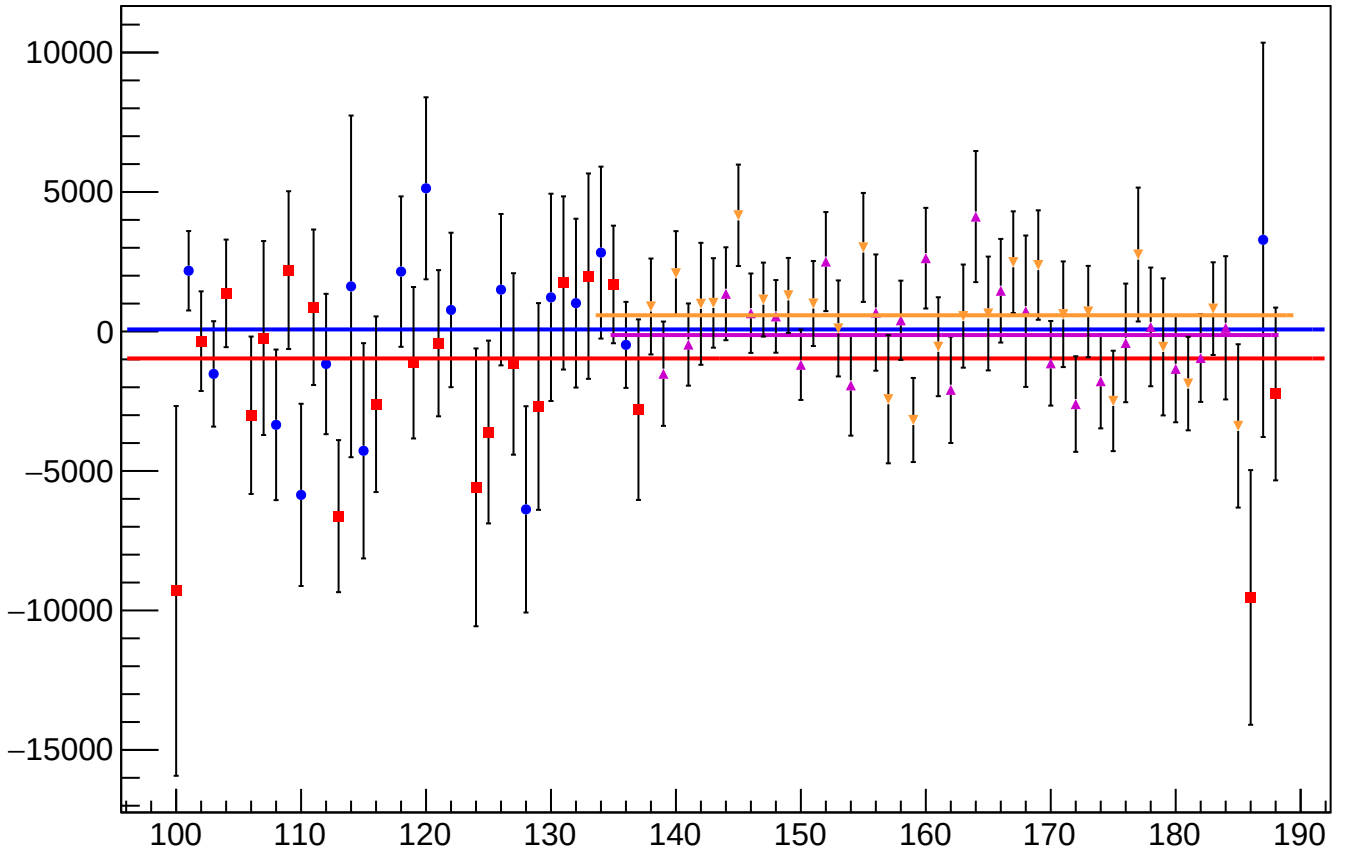
Left: 1101.080+/-0.127 χ^2/NDF: 10597.2/47

Right: 1116.070+/-0.195 χ^2/NDF: 35096.5/37

In: 1102.930+/-0.154 χ^2/NDF:18560.6/39

Out: 1107.907+/-0.147 χ^2/NDF:30728.6/45

All: 1105.522+/-0.106 χ^2/NDF: 49835.9/85



Right In: 73.176+/-625.595 χ^2/NDF: 17.1/16

Left Out: 581.427+/-353.389 χ^2/NDF:25.4/24

Right Out: -966.451+/-628.041 χ^2/NDF: 18.8/20

Left In: -128.769+/-359.128 χ^2/NDF:17.9/22

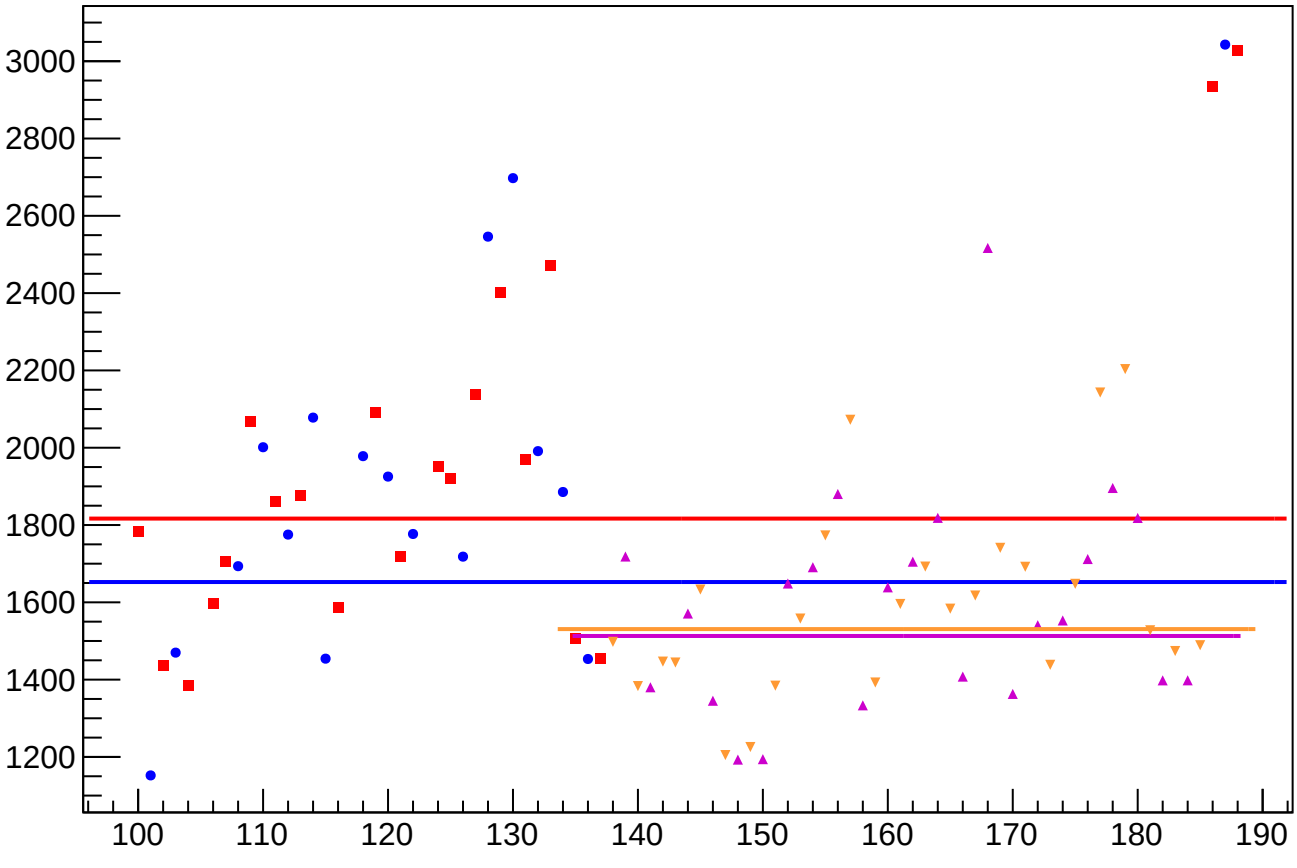
Left: 232.050+/-251.888 χ^2/NDF: 45.2/47

Right: -444.609+/-443.225 χ^2/NDF: 37.2/37

In: -78.715+/-311.457 χ^2/NDF:35.0/39

Out: 209.200+/-307.981 χ^2/NDF:48.8/45

All: 66.859+/-218.994 χ^2/NDF: 84.2/85



Right In: 1652.517+/-0.442 χ^2/NDF: 779324.3/16

Left Out: 1530.764+/-0.250 χ^2/NDF:795634.5/24

Right Out: 1816.677+/-0.444 χ^2/NDF: 890990.2/20

Left In: 1512.947+/-0.254 χ^2/NDF:957059.5/22

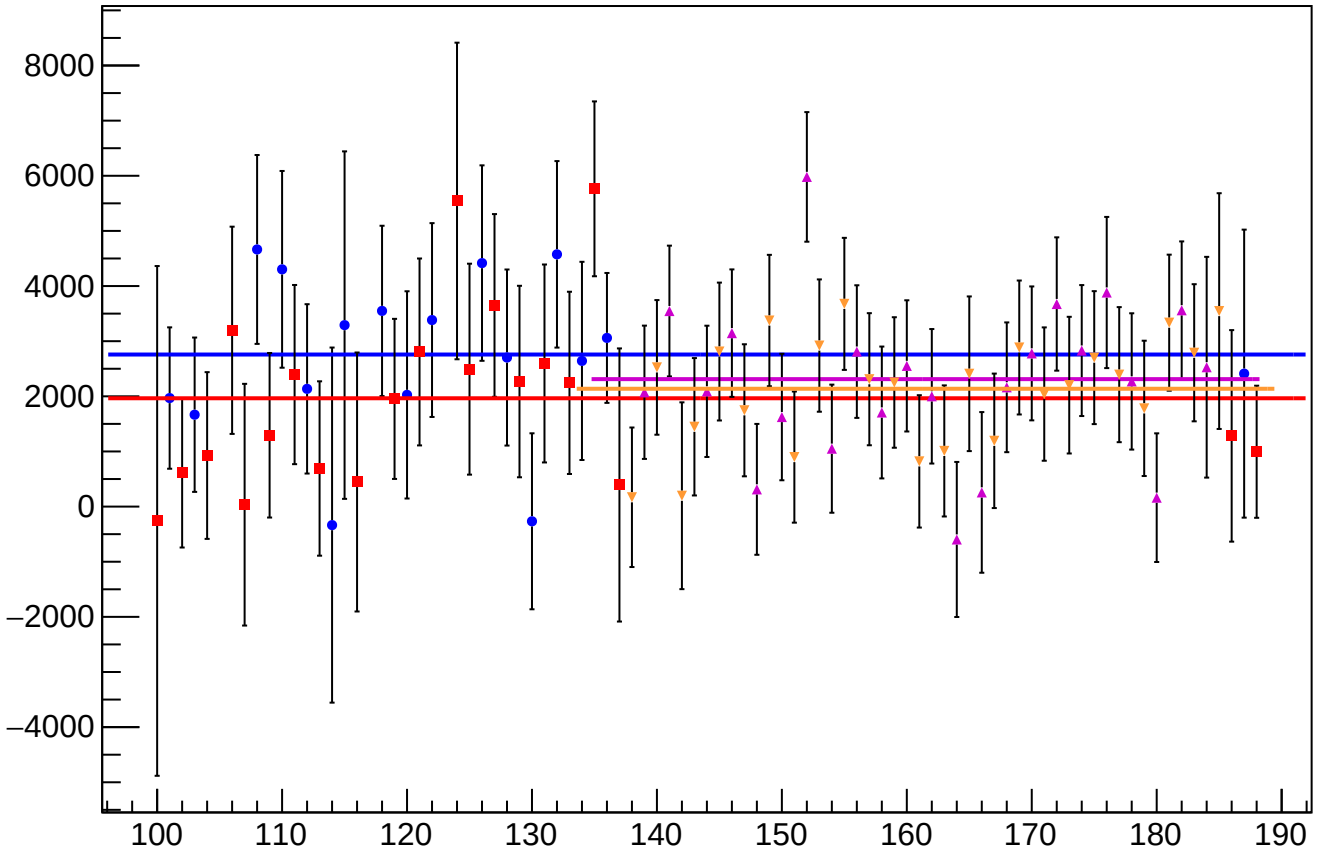
Left: 1521.999+/-0.178 χ^2/NDF: 1755195.1/47

Right: 1734.277+/-0.313 χ^2/NDF: 1738903.0/37

In: 1547.541+/-0.220 χ^2/NDF:1811256.7/39

Out: 1599.519+/-0.218 χ^2/NDF:2001445.2/45

All: 1573.822+/-0.155 χ^2/NDF: 3840866.0/85



Right In: 2758.048+/-406.546 χ^2/NDF: 10.3/16

Left Out: 2137.182+/-250.195 χ^2/NDF:13.9/24

Right Out: 1964.677+/-376.686 χ^2/NDF: 14.3/20

Left In: 2311.761+/-257.036 χ^2/NDF:29.9/22

Left: 2222.118+/-179.284 χ^2/NDF: 44.1/47

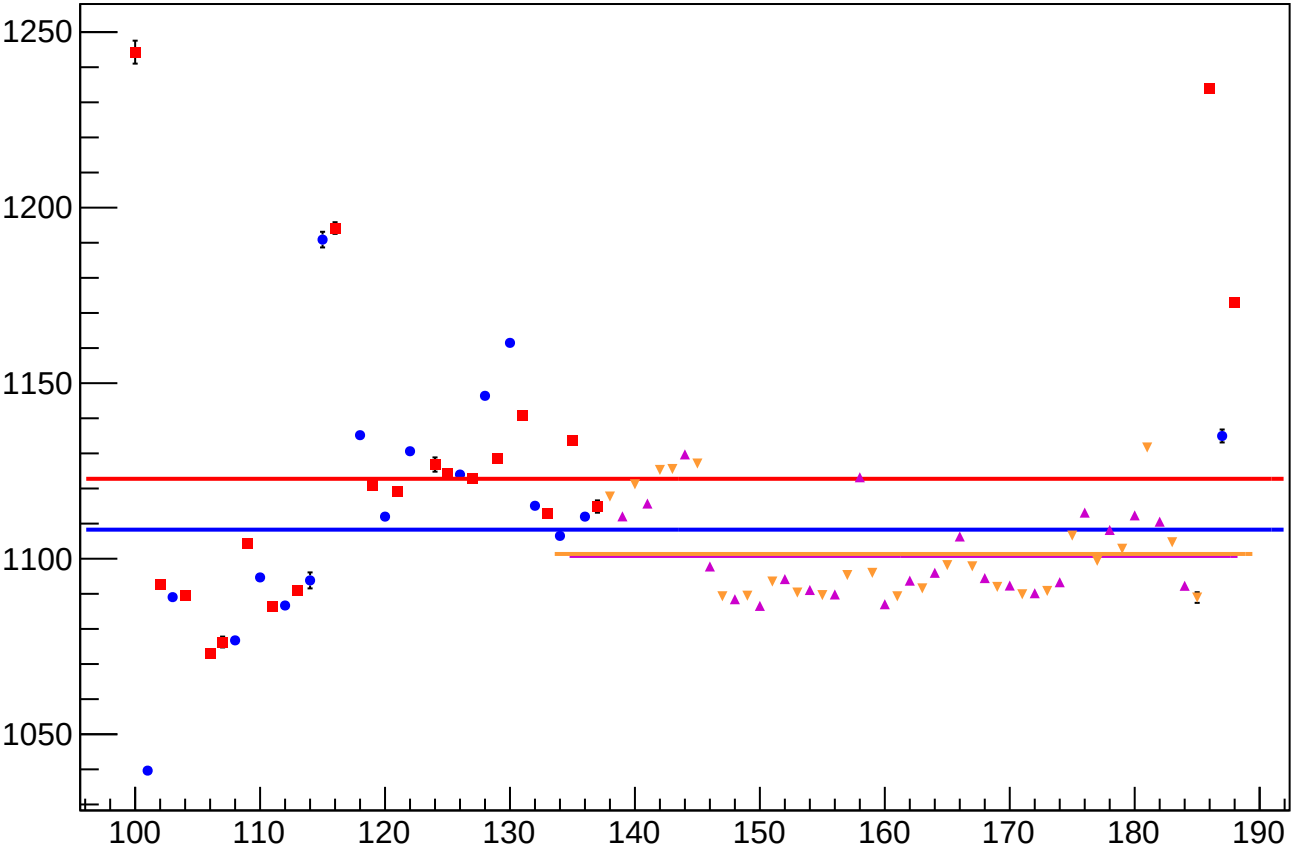
Right: 2331.160+/-276.311 χ^2/NDF: 26.6/37

In: 2439.210+/-217.256 χ^2/NDF:41.1/39

Out: 2084.376+/-208.412 χ^2/NDF:28.3/45

All: 2254.424+/-150.399 χ^2/NDF: 70.9/85

eigen_dit_asym_usr_rms vs Slug, Sign Corrected



Right In: 1108.276+/-0.287 χ^2/NDF: 13434.7/16

Left Out: 1101.353+/-0.177 χ^2/NDF:5950.6/24

Right Out: 1122.761+/-0.266 χ^2/NDF: 20295.5/20

Left In: 1100.792+/-0.182 χ^2/NDF:4641.7/22

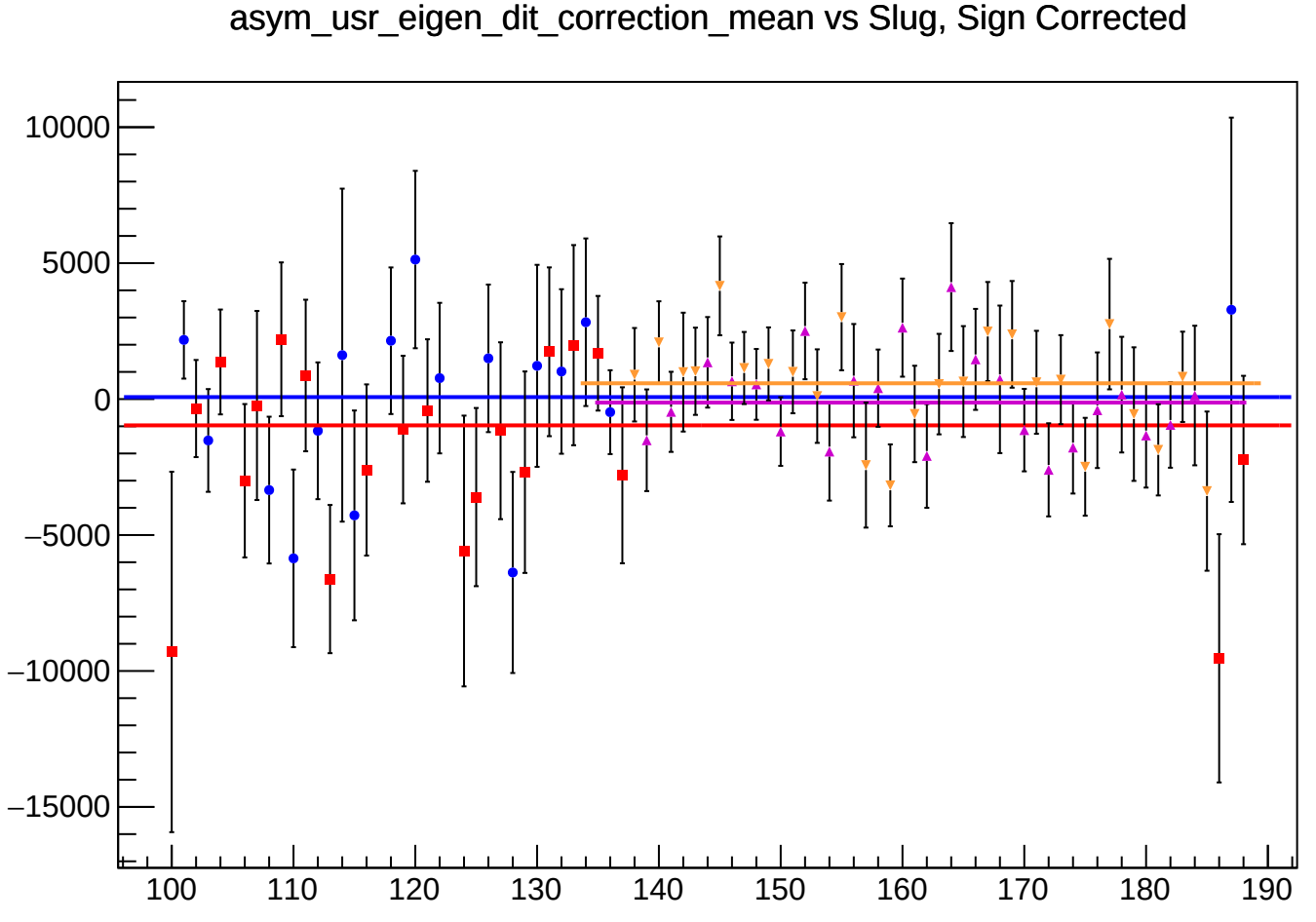
Left: 1101.081+/-0.127 χ^2/NDF: 10597.2/47

Right: 1116.070+/-0.195 χ^2/NDF: 35096.4/37

In: 1102.930+/-0.154 χ^2/NDF:18560.5/39

Out: 1107.907+/-0.147 χ^2/NDF:30728.5/45

All: 1105.522+/-0.106 χ^2/NDF: 49835.7/85



Right In: 73.172+/-625.594 χ^2/NDF: 17.1/16

Left Out: 581.426+/-353.390 χ^2/NDF:25.4/24

Right Out: -966.454+/-628.040 χ^2/NDF: 18.8/20

Left In: -128.769+/-359.129 χ^2/NDF:17.9/22

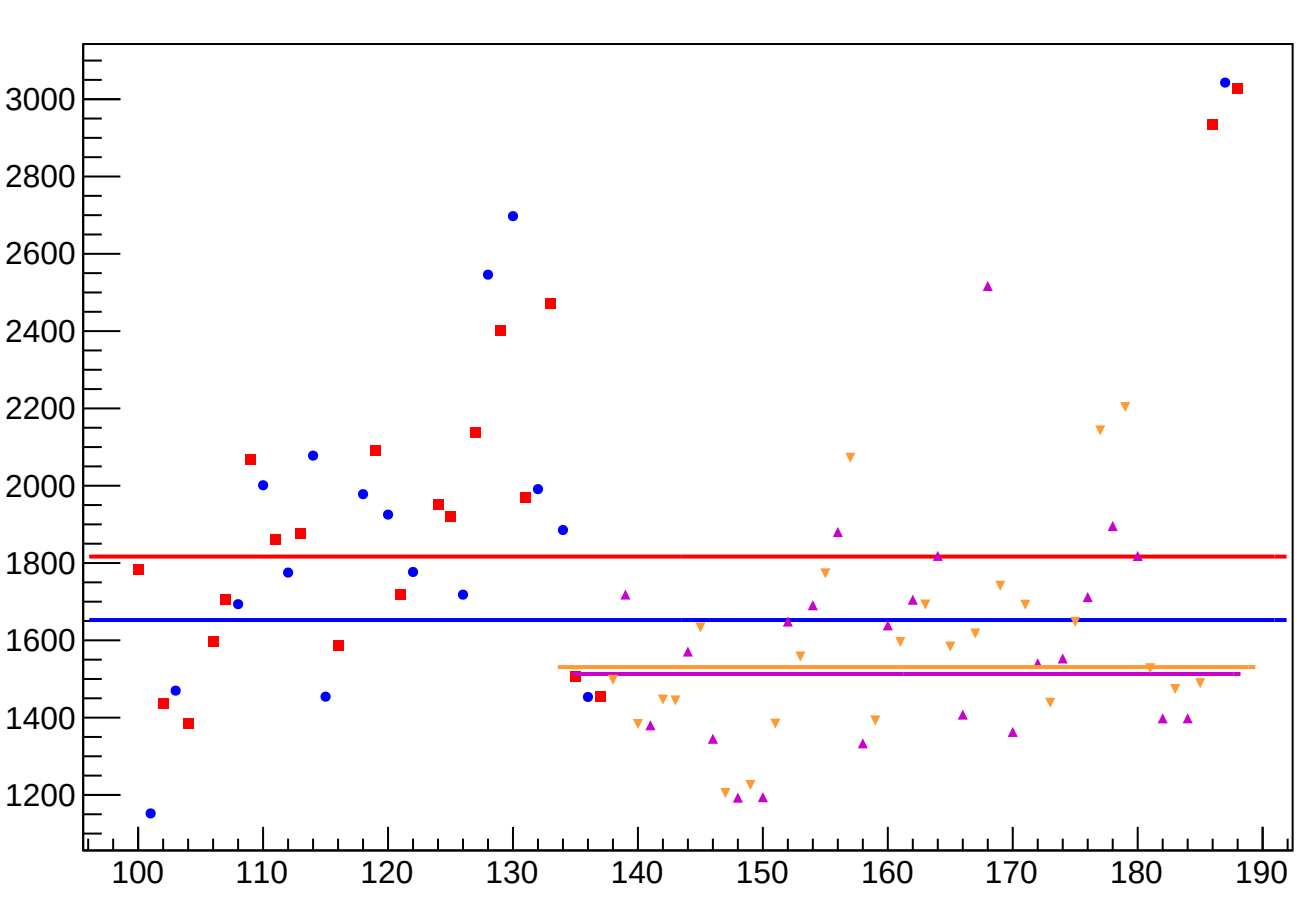
Left: 232.049+/-251.889 χ^2/NDF: 45.2/47

Right: -444.612+/-443.224 χ^2/NDF: 37.2/37

In: -78.716+/-311.458 χ^2/NDF:35.0/39

Out: 209.196+/-307.981 χ^2/NDF:48.8/45

All: 66.856+/-218.994 χ^2/NDF: 84.2/85



Right In: 1652.515+/-0.442 χ^2/NDF: 779311.6/16

Left Out: 1530.768+/-0.250 χ^2/NDF:795638.4/24

Right Out: 1816.676+/-0.444 χ^2/NDF: 890976.0/20

Left In: 1512.951+/-0.254 χ^2/NDF:957065.2/22

Left: 1522.003+/-0.178 χ^2/NDF: 1755204.7/47

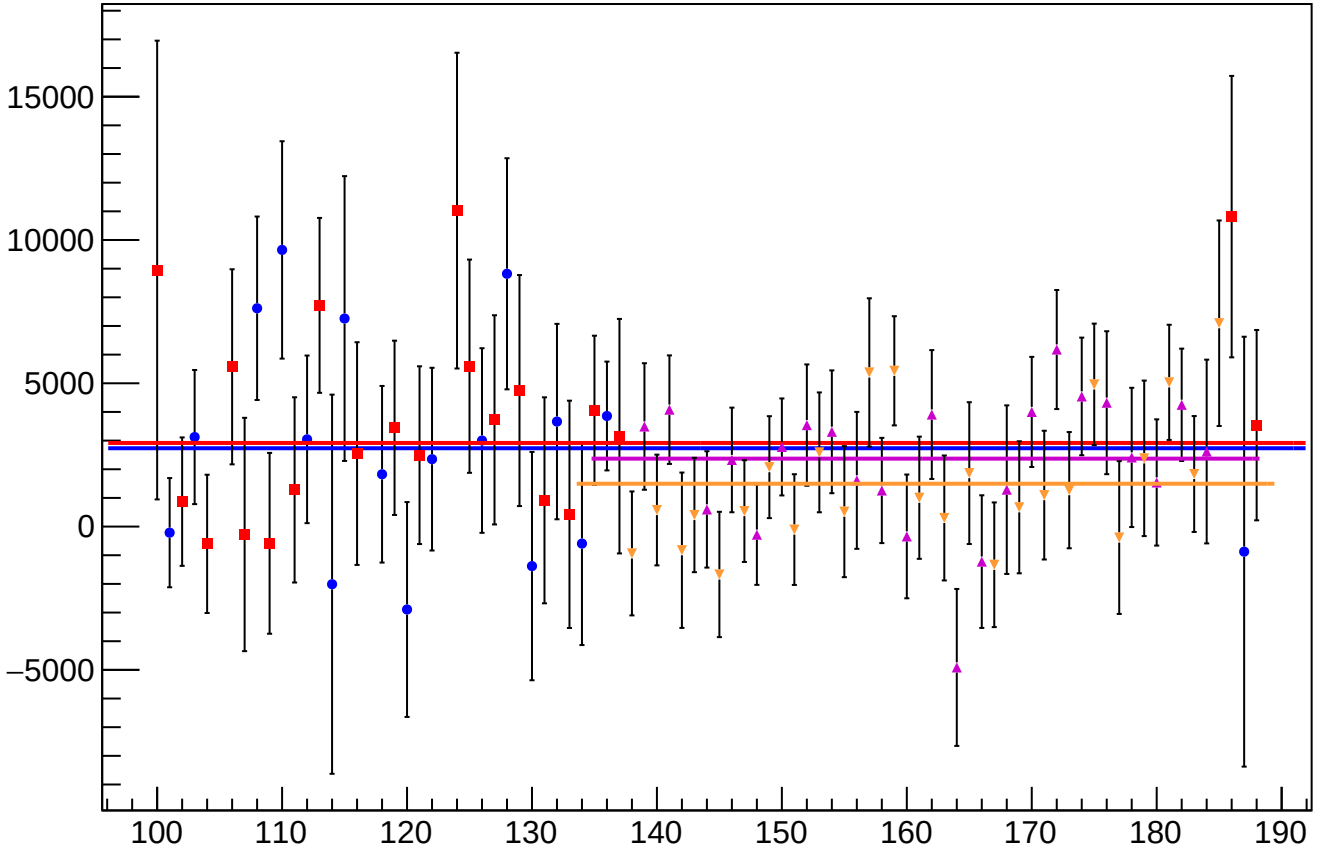
Right: 1734.275+/-0.313 χ^2/NDF: 1738876.8/37

In: 1547.544+/-0.220 χ^2/NDF:1811243.7/39

Out: 1599.522+/-0.218 χ^2/NDF:2001423.5/45

All: 1573.825+/-0.155 χ^2/NDF: 3840831.6/85

asym_usr_mean vs Slug, Sign Corrected



Right In: 2733.178+/-753.281 χ^2/NDF: 16.7/16

Left Out: 1495.022+/-433.196 χ^2/NDF:23.8/24

Right Out: 2917.750+/-737.704 χ^2/NDF: 15.2/20

Left In: 2370.694+/-442.952 χ^2/NDF:23.7/22

Left: 1923.108+/-309.708 χ^2/NDF: 49.5/47

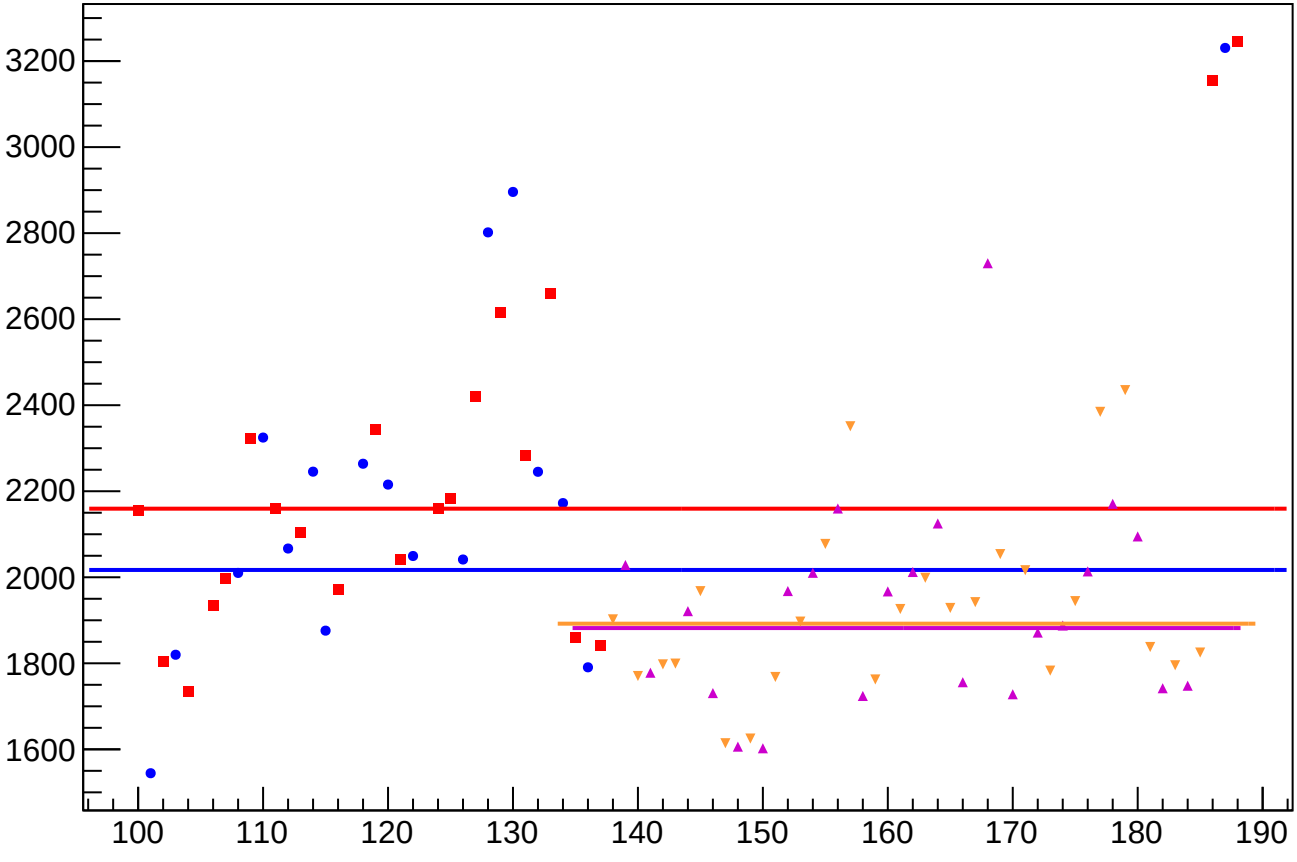
Right: 2827.392+/-527.057 χ^2/NDF: 32.0/37

In: 2463.829+/-381.830 χ^2/NDF:40.5/39

Out: 1859.825+/-373.552 χ^2/NDF:41.8/45

All: 2155.209+/-267.020 χ^2/NDF: 83.6/85

asym_usr_rms vs Slug, Sign Corrected



Right In: 2017.001+/-0.533 χ^2/NDF: 440461.5/16

Left Out: 1892.117+/-0.306 χ^2/NDF:389648.0/24

Right Out: 2159.456+/-0.522 χ^2/NDF: 549483.1/20

Left In: 1881.892+/-0.313 χ^2/NDF:462659.6/22

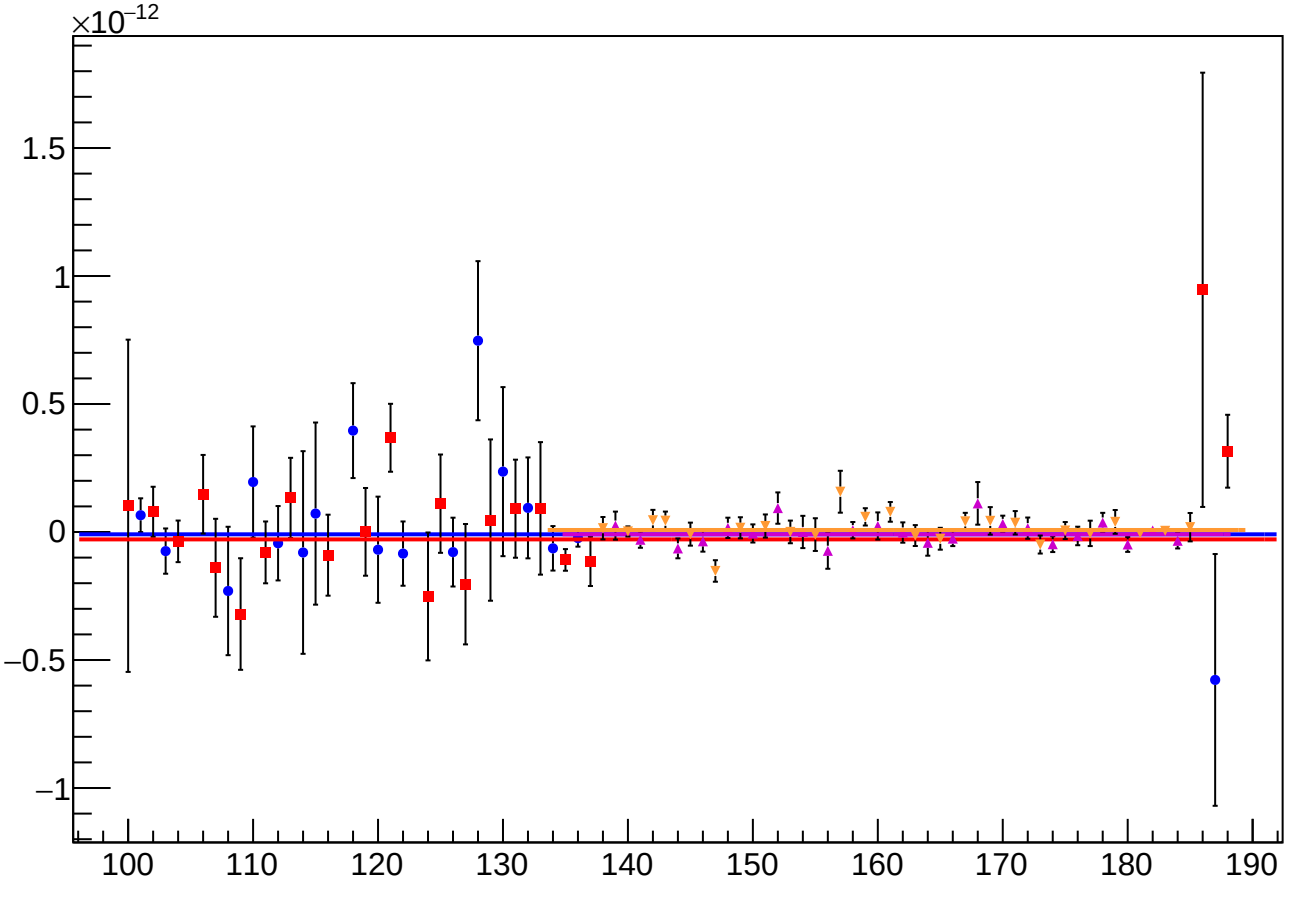
Left: 1887.118+/-0.219 χ^2/NDF: 852852.3/47

Right: 2089.717+/-0.373 χ^2/NDF: 1026455.5/37

In: 1916.606+/-0.270 χ^2/NDF:950930.4/39

Out: 1960.666+/-0.264 χ^2/NDF:1134440.8/45

All: 1939.119+/-0.189 χ^2/NDF: 2098978.0/85



Right In: -0.000+/-0.000 χ^2/NDF: 17.8/16

Left Out: 0.000+/-0.000 χ^2/NDF:32.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 29.2/20

Left In: -0.000+/-0.000 χ^2/NDF:19.1/22

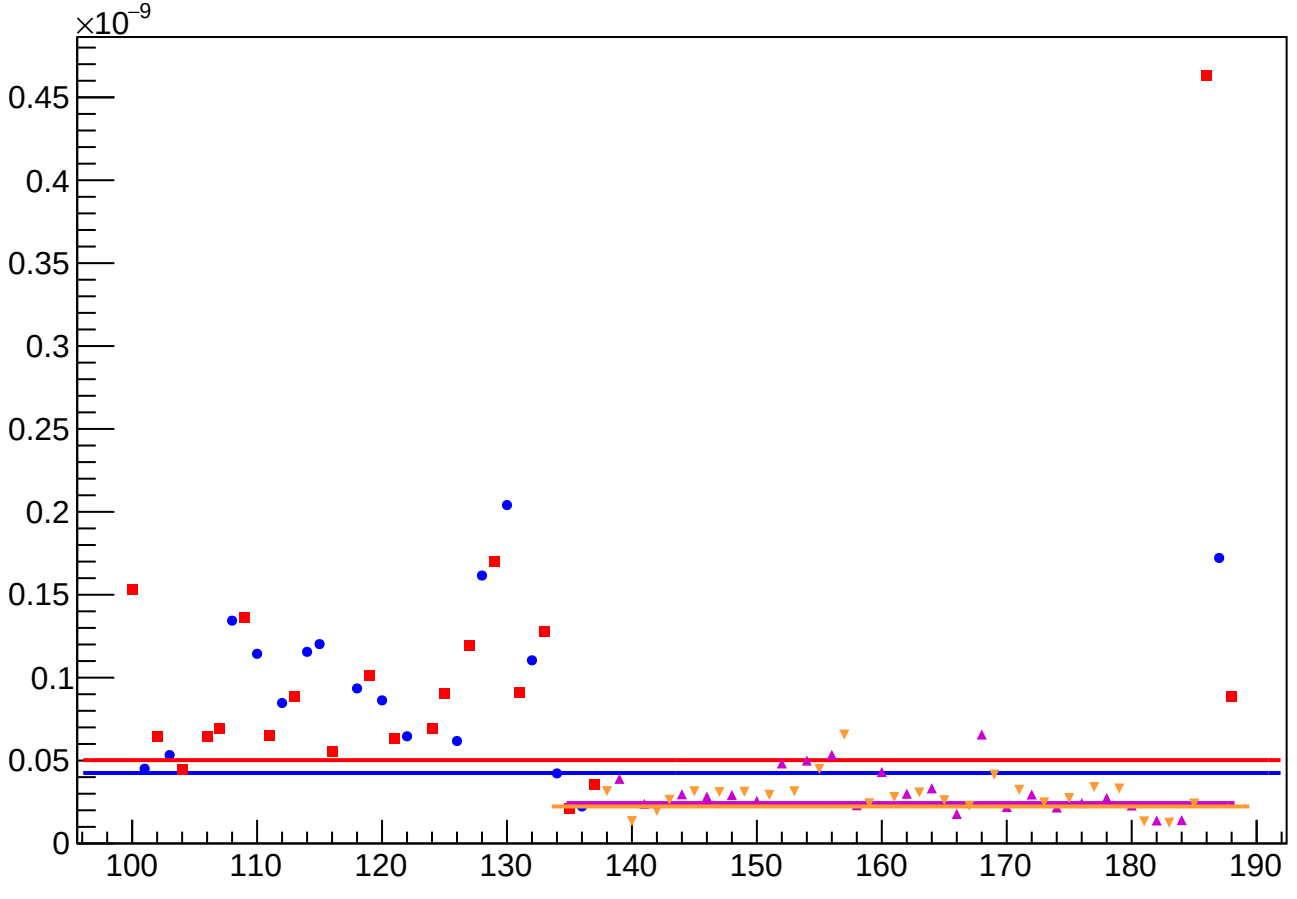
Left: 0.000+/-0.000 χ^2/NDF: 54.2/47

Right: -0.000+/-0.000 χ^2/NDF: 47.3/37

In: -0.000+/-0.000 χ^2/NDF:36.9/39

Out: 0.000+/-0.000 χ^2/NDF:63.4/45

All: -0.000+/-0.000 χ^2/NDF: 102.5/85



Right In: 0.000+/-0.000 χ^2/NDF: 3073003.2/16

Left Out: 0.000+/-0.000 χ^2/NDF:3629538.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3234711.5/20

Left In: 0.000+/-0.000 χ^2/NDF:3124271.4/22

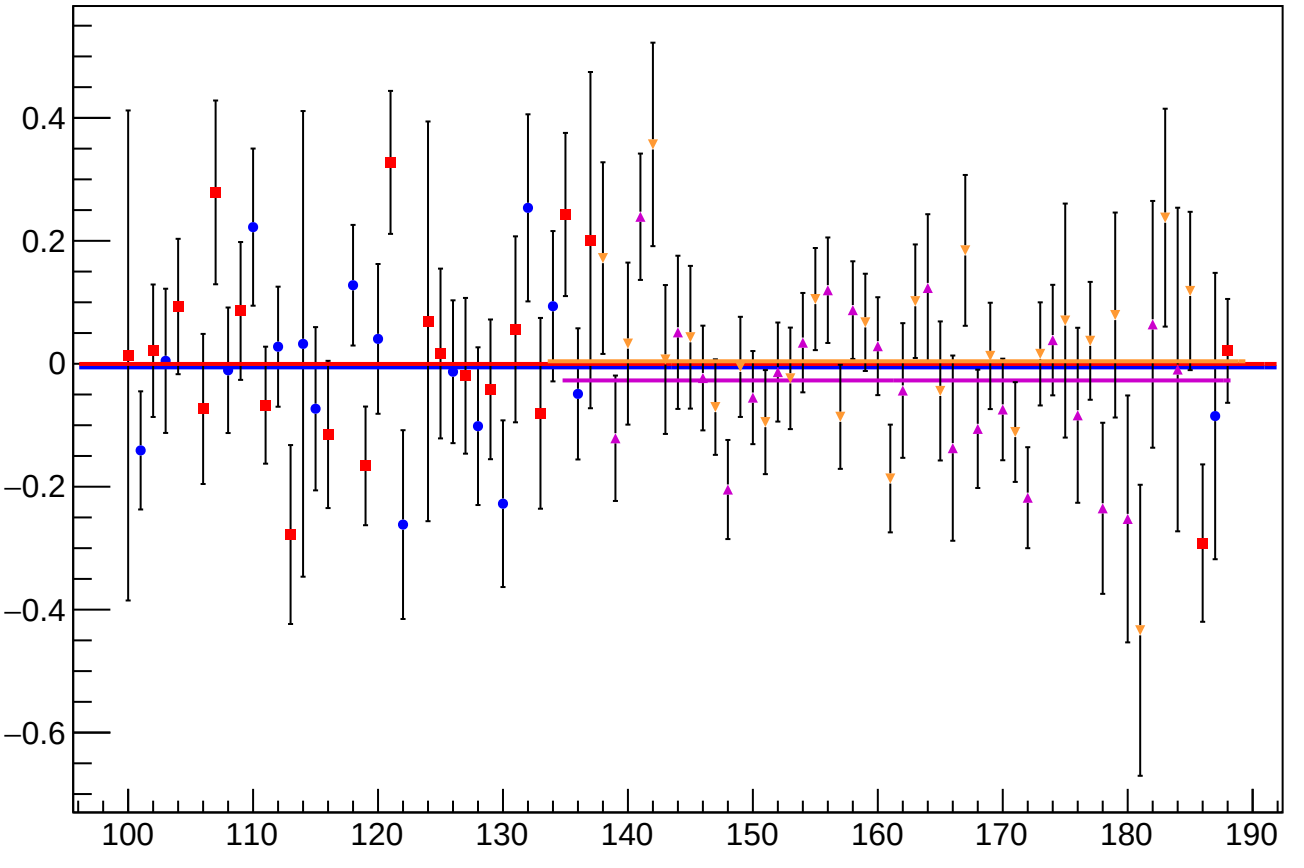
Left: 0.000+/-0.000 χ^2/NDF: 6833582.6/47

Right: 0.000+/-0.000 χ^2/NDF: 6400587.8/37

In: 0.000+/-0.000 χ^2/NDF:7219402.1/39

Out: 0.000+/-0.000 χ^2/NDF:8941921.4/45

All: 0.000+/-0.000 χ^2/NDF: 16233677.6/85



Right In: -0.006+/-0.030 χ^2/NDF: 17.4/16

Left Out: 0.004+/-0.020 χ^2/NDF:28.2/24

Right Out: -0.000+/-0.027 χ^2/NDF: 30.9/20

Left In: -0.027+/-0.021 χ^2/NDF:32.0/22

Left: -0.011+/-0.014 χ^2/NDF: 61.3/47

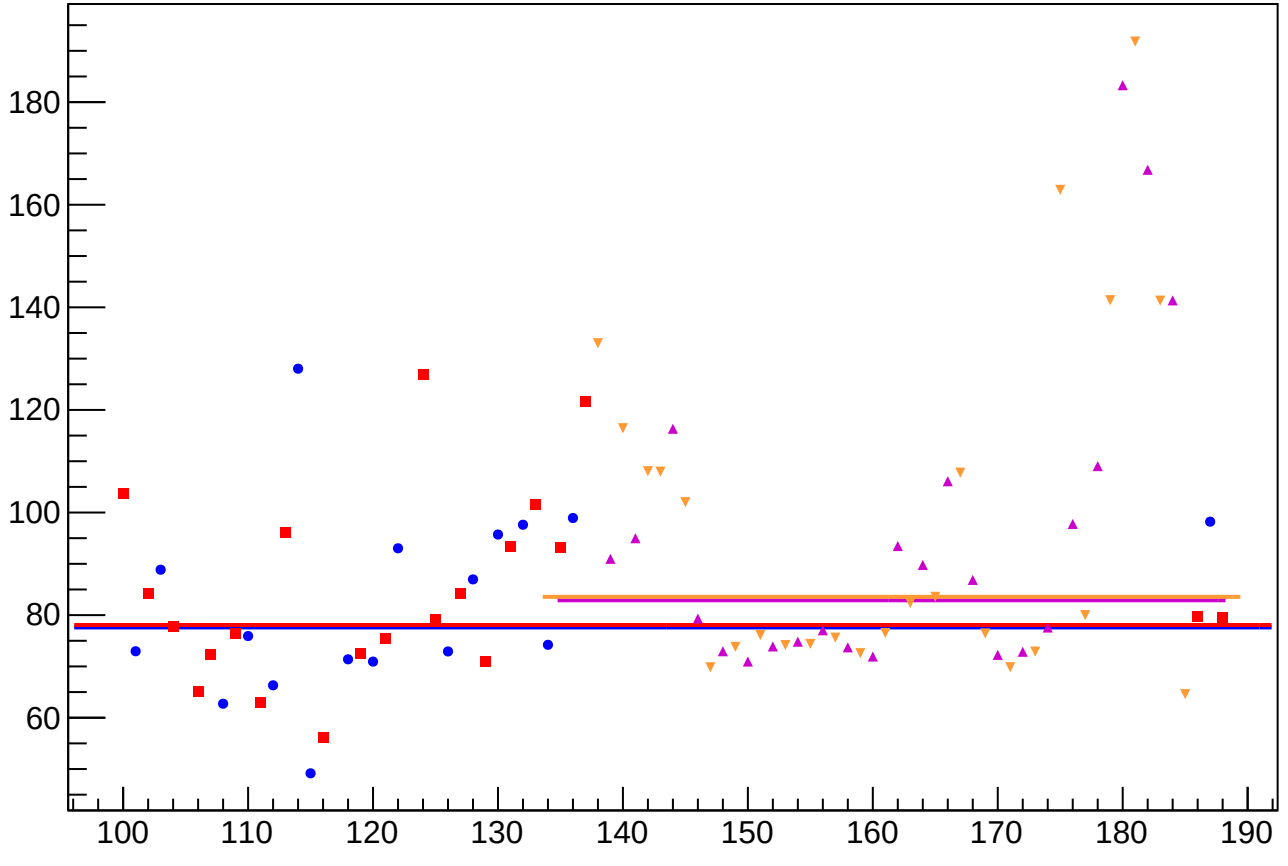
Right: -0.003+/-0.020 χ^2/NDF: 48.3/37

In: -0.020+/-0.017 χ^2/NDF:49.7/39

Out: 0.003+/-0.016 χ^2/NDF:59.1/45

All: -0.008+/-0.012 χ^2/NDF: 109.7/85

asym_usr_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 77.602+/-0.021 χ^2/NDF: 435216.9/16

Left Out: 83.564+/-0.014 χ^2/NDF:2172931.4/24

Right Out: 78.074+/-0.019 χ^2/NDF: 397631.6/20

Left In: 82.891+/-0.015 χ^2/NDF:1573003.1/22

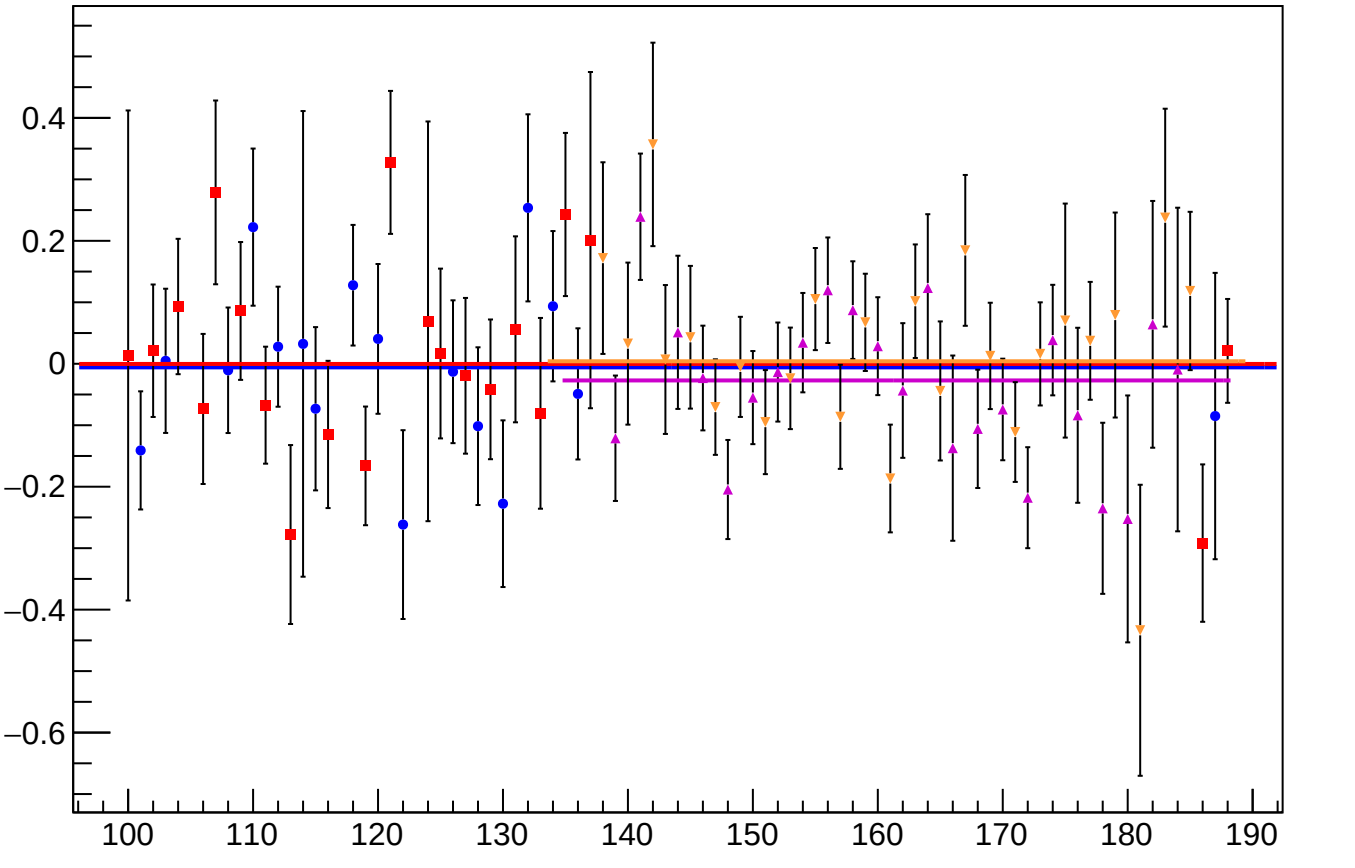
Left: 83.231+/-0.010 χ^2/NDF: 3747022.5/47

Right: 77.858+/-0.014 χ^2/NDF: 833120.2/37

In: 81.187+/-0.012 χ^2/NDF:2050906.5/39

Out: 81.617+/-0.012 χ^2/NDF:2622433.8/45

All: 81.410+/-0.008 χ^2/NDF: 4674012.1/85



Right In: -0.006+/-0.030 χ^2/NDF: 17.4/16

Left Out: 0.004+/-0.020 χ^2/NDF:28.2/24

Right Out: -0.000+/-0.027 χ^2/NDF: 30.9/20

Left In: -0.027+/-0.021 χ^2/NDF:32.0/22

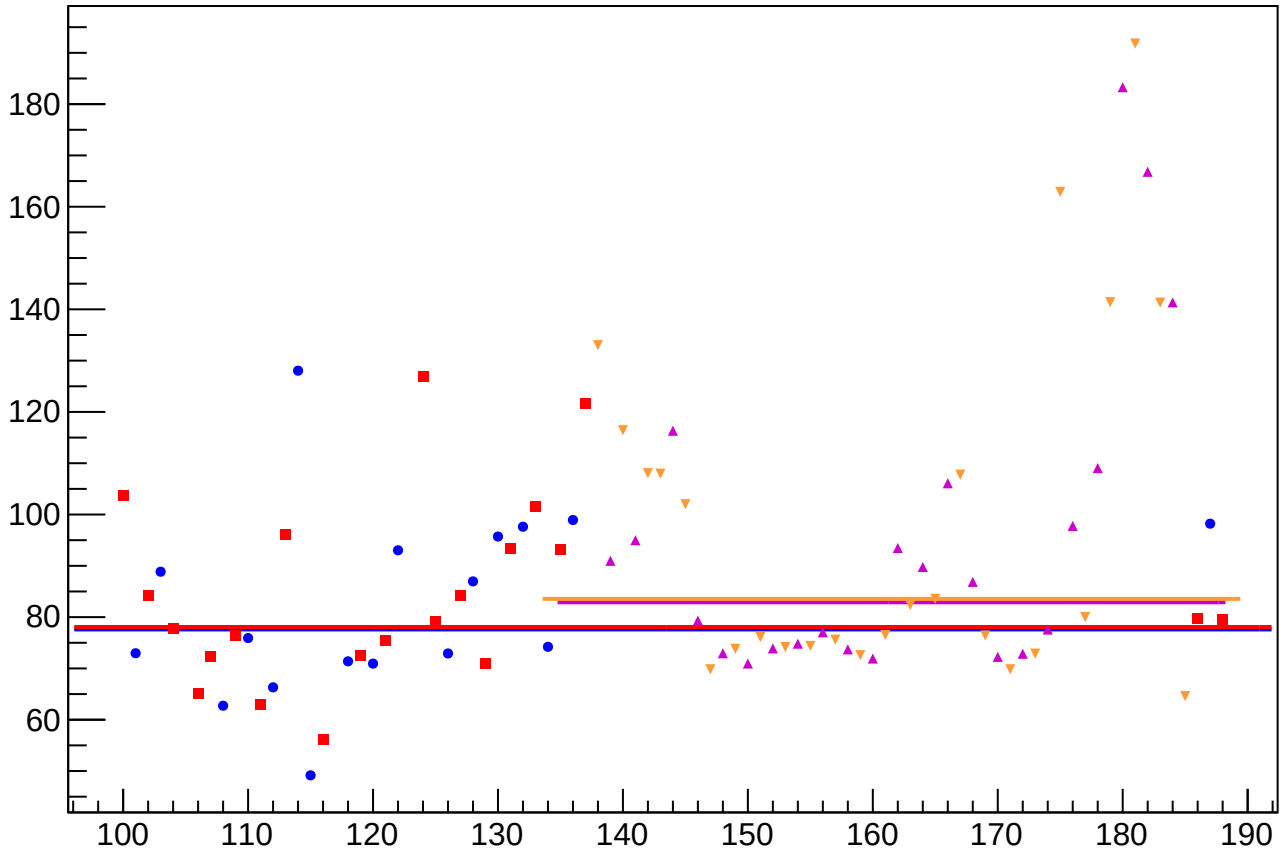
Left: -0.011+/-0.014 χ^2/NDF: 61.3/47

Right: -0.003+/-0.020 χ^2/NDF: 48.3/37

In: -0.020+/-0.017 χ^2/NDF:49.7/39

Out: 0.003+/-0.016 χ^2/NDF:59.1/45

All: -0.008+/-0.012 χ^2/NDF: 109.7/85



Right In: 77.602+/-0.021 χ^2/NDF: 435216.9/16

Left Out: 83.564+/-0.014 χ^2/NDF:2172931.4/24

Right Out: 78.074+/-0.019 χ^2/NDF: 397631.6/20

Left In: 82.891+/-0.015 χ^2/NDF:1573003.1/22

Left: 83.231+/-0.010 χ^2/NDF: 3747022.5/47

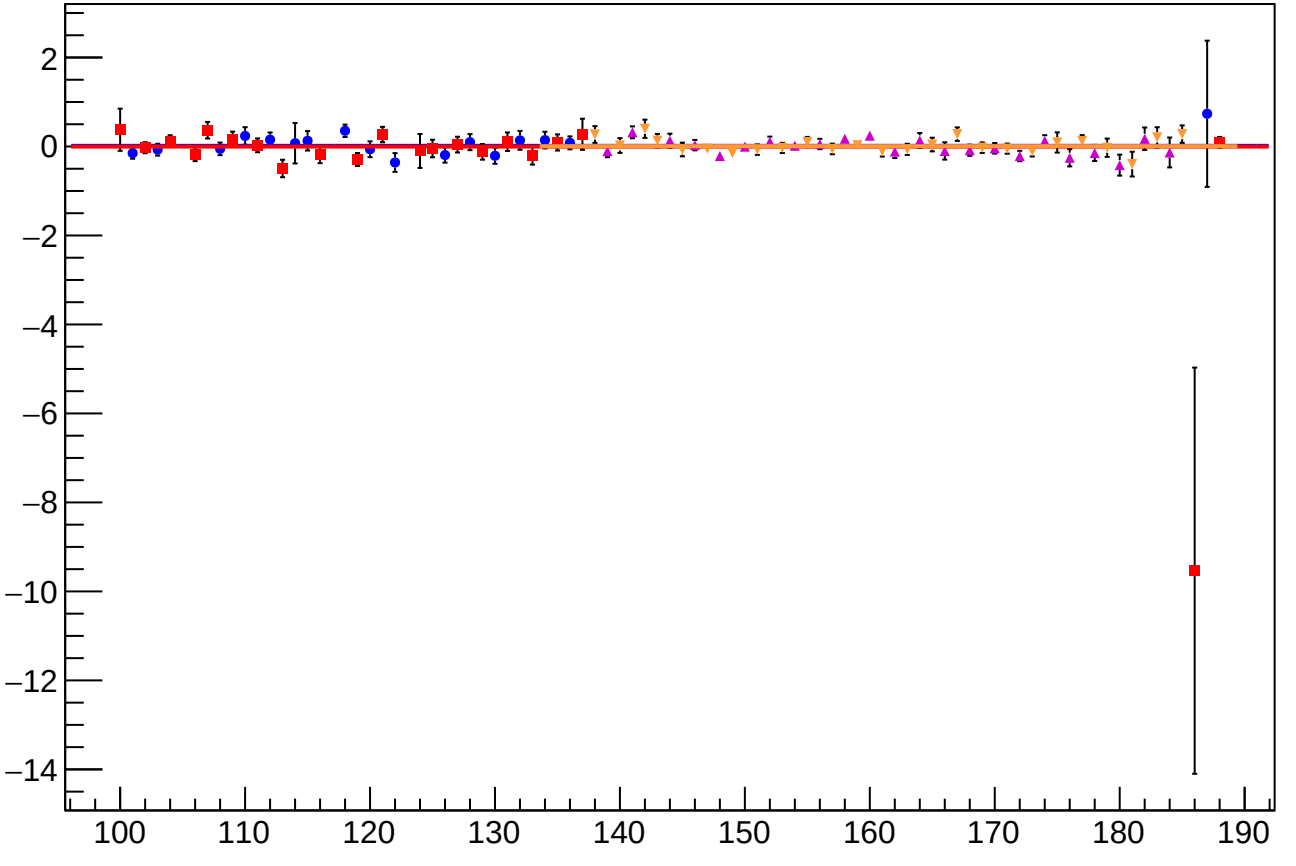
Right: 77.858+/-0.014 χ^2/NDF: 833120.2/37

In: 81.187+/-0.012 χ^2/NDF:2050906.5/39

Out: 81.617+/-0.012 χ^2/NDF:2622433.8/45

All: 81.410+/-0.008 χ^2/NDF: 4674012.1/85

asym_usr_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.015+/-0.042 χ^2/NDF: 18.4/16

Left Out: 0.006+/-0.028 χ^2/NDF:21.3/24

Right Out: -0.002+/-0.039 χ^2/NDF: 28.8/20

Left In: 0.010+/-0.028 χ^2/NDF:31.3/22

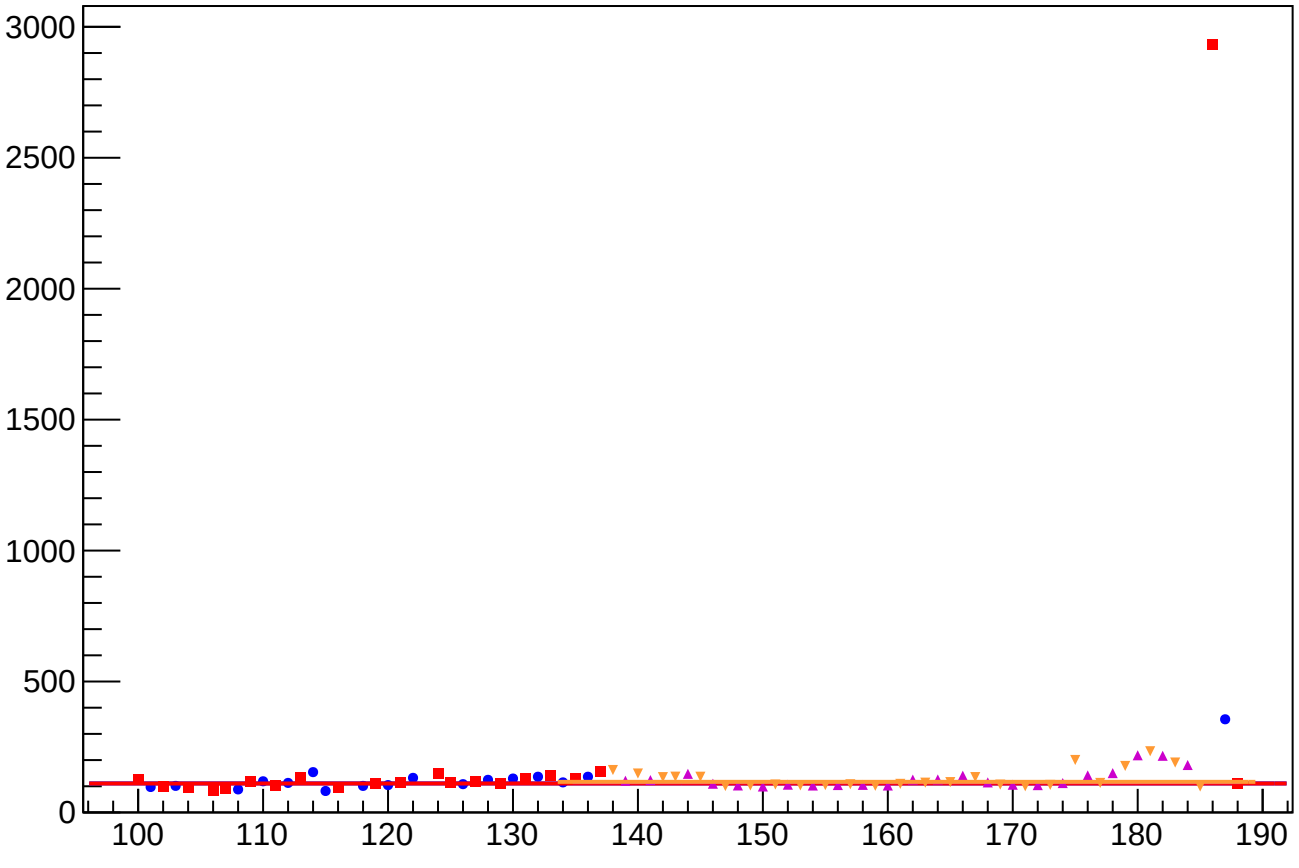
Left: 0.008+/-0.020 χ^2/NDF: 52.6/47

Right: 0.005+/-0.029 χ^2/NDF: 47.2/37

In: 0.011+/-0.023 χ^2/NDF:49.7/39

Out: 0.003+/-0.023 χ^2/NDF:50.1/45

All: 0.007+/-0.016 χ^2/NDF: 99.9/85



Right In: 110.877+/-0.030 χ^2/NDF: 344447.6/16

Left Out: 116.880+/-0.020 χ^2/NDF:1596935.1/24

Right Out: 110.573+/-0.028 χ^2/NDF: 1092133.3/20

Left In: 115.858+/-0.020 χ^2/NDF:1231382.1/22

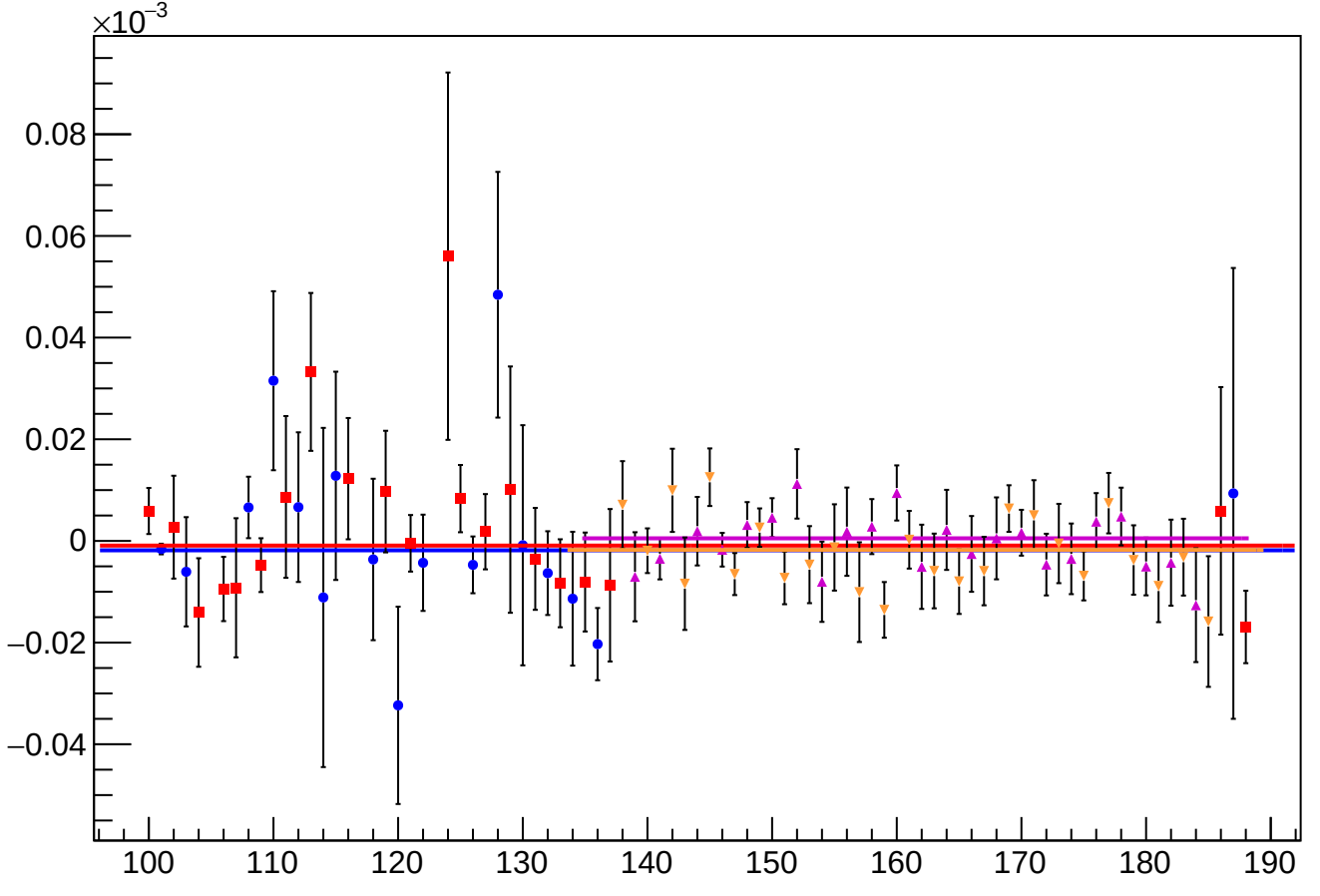
Left: 116.376+/-0.014 χ^2/NDF: 2829653.1/47

Right: 110.713+/-0.020 χ^2/NDF: 1436636.6/37

In: 114.326+/-0.017 χ^2/NDF:1595073.2/39

Out: 114.770+/-0.016 χ^2/NDF:2723602.8/45

All: 114.555+/-0.012 χ^2/NDF: 4319047.6/85



Right In: -0.000+/-0.000 χ^2/NDF: 21.4/16

Left Out: -0.000+/-0.000 χ^2/NDF:31.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 25.4/20

Left In: 0.000+/-0.000 χ^2/NDF:15.6/22

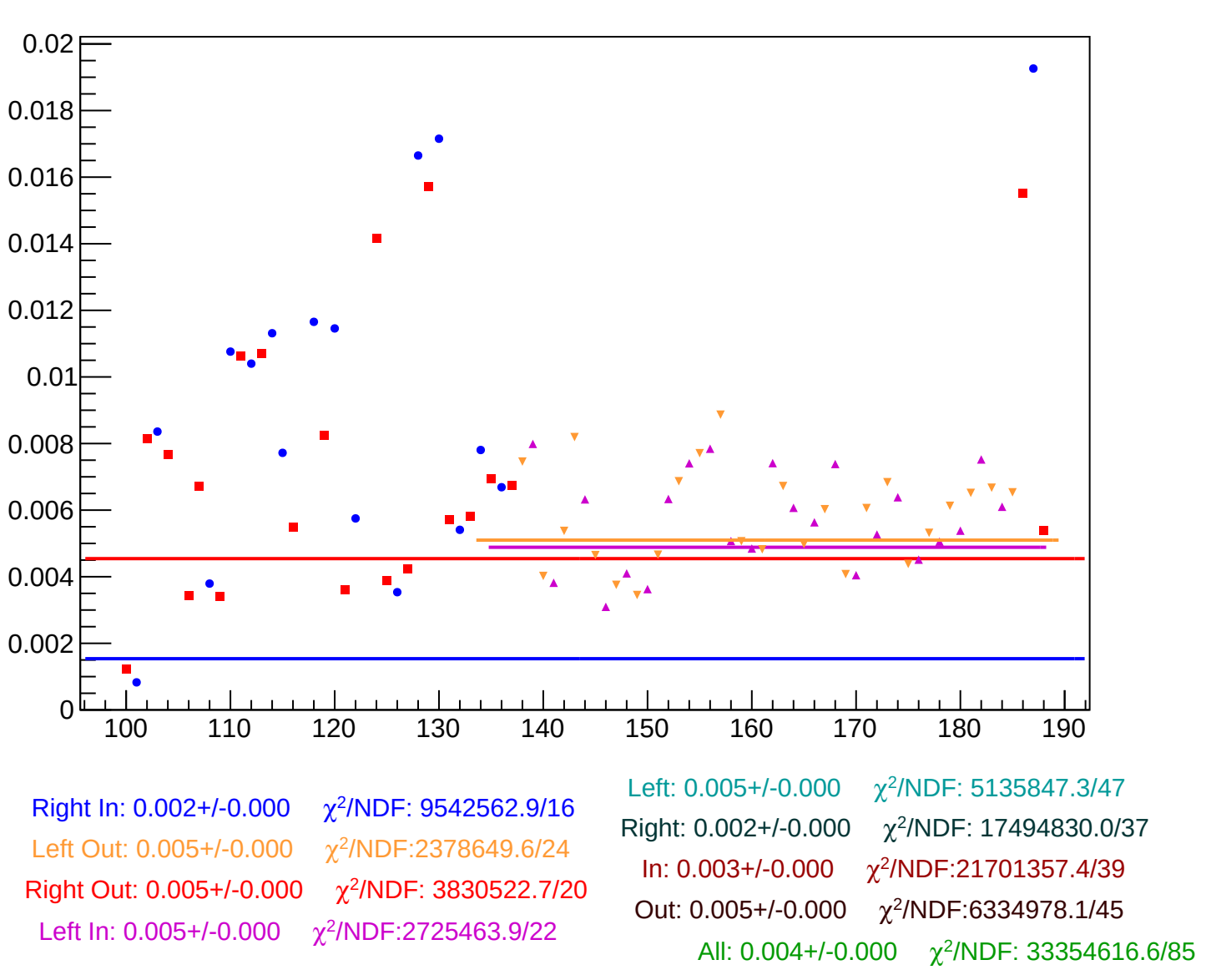
Left: -0.000+/-0.000 χ^2/NDF: 48.4/47

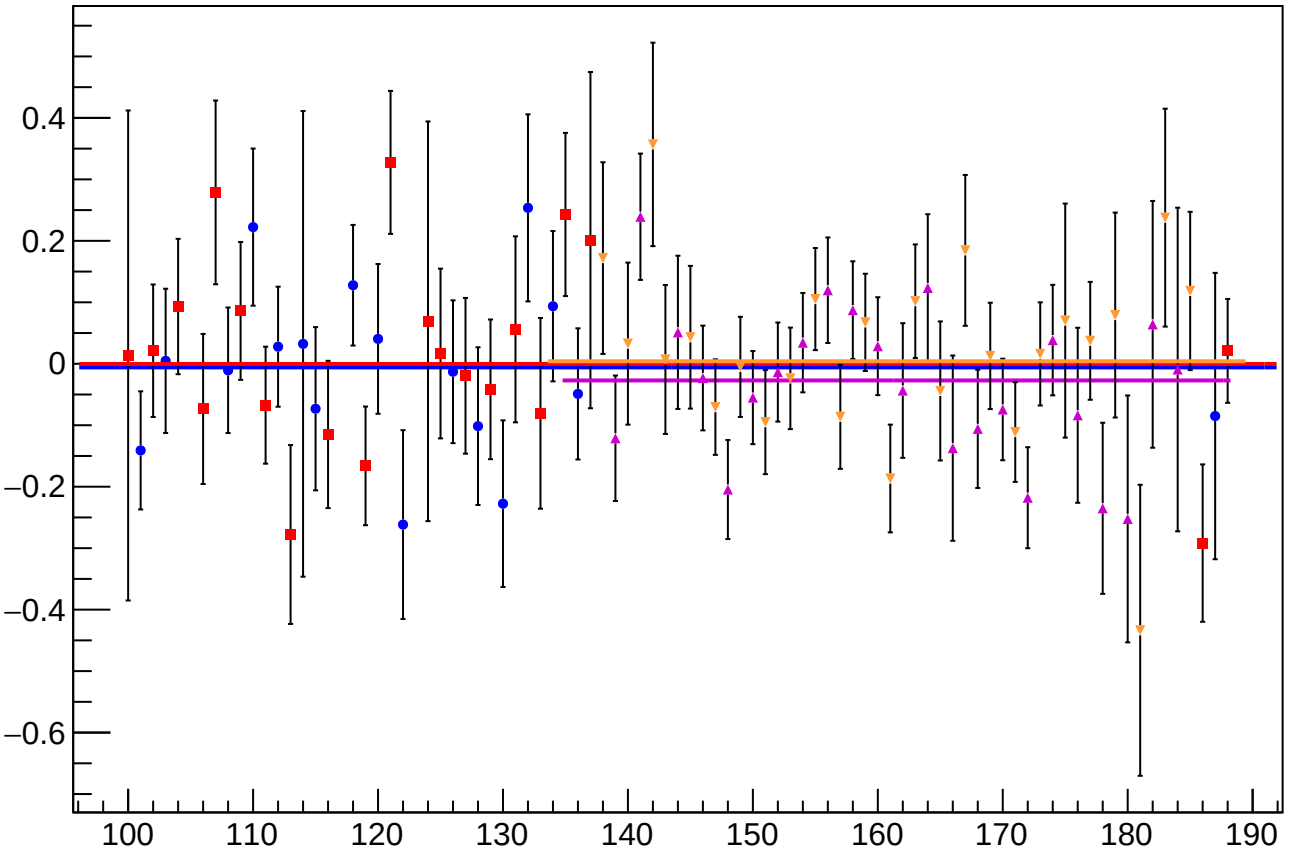
Right: -0.000+/-0.000 χ^2/NDF: 47.0/37

In: -0.000+/-0.000 χ^2/NDF:39.4/39

Out: -0.000+/-0.000 χ^2/NDF:56.6/45

All: -0.000+/-0.000 χ^2/NDF: 96.2/85


asym_usr_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.002+/-0.000 χ²/NDF: 9542562.9/16
Left Out: 0.005+/-0.000 χ²/NDF:2378649.6/24
Right Out: 0.005+/-0.000 χ²/NDF: 3830522.7/20
Left In: 0.005+/-0.000 χ²/NDF:2725463.9/22
Left: 0.005+/-0.000 χ²/NDF: 5135847.3/47
Right: 0.002+/-0.000 χ²/NDF: 17494830.0/37
In: 0.003+/-0.000 χ²/NDF:21701357.4/39
Out: 0.005+/-0.000 χ²/NDF:6334978.1/45
All: 0.004+/-0.000 χ²/NDF: 33354616.6/85



Right In: -0.006+/-0.030 χ^2/NDF: 17.4/16

Left Out: 0.004+/-0.020 χ^2/NDF:28.2/24

Right Out: -0.000+/-0.027 χ^2/NDF: 30.9/20

Left In: -0.027+/-0.021 χ^2/NDF:32.0/22

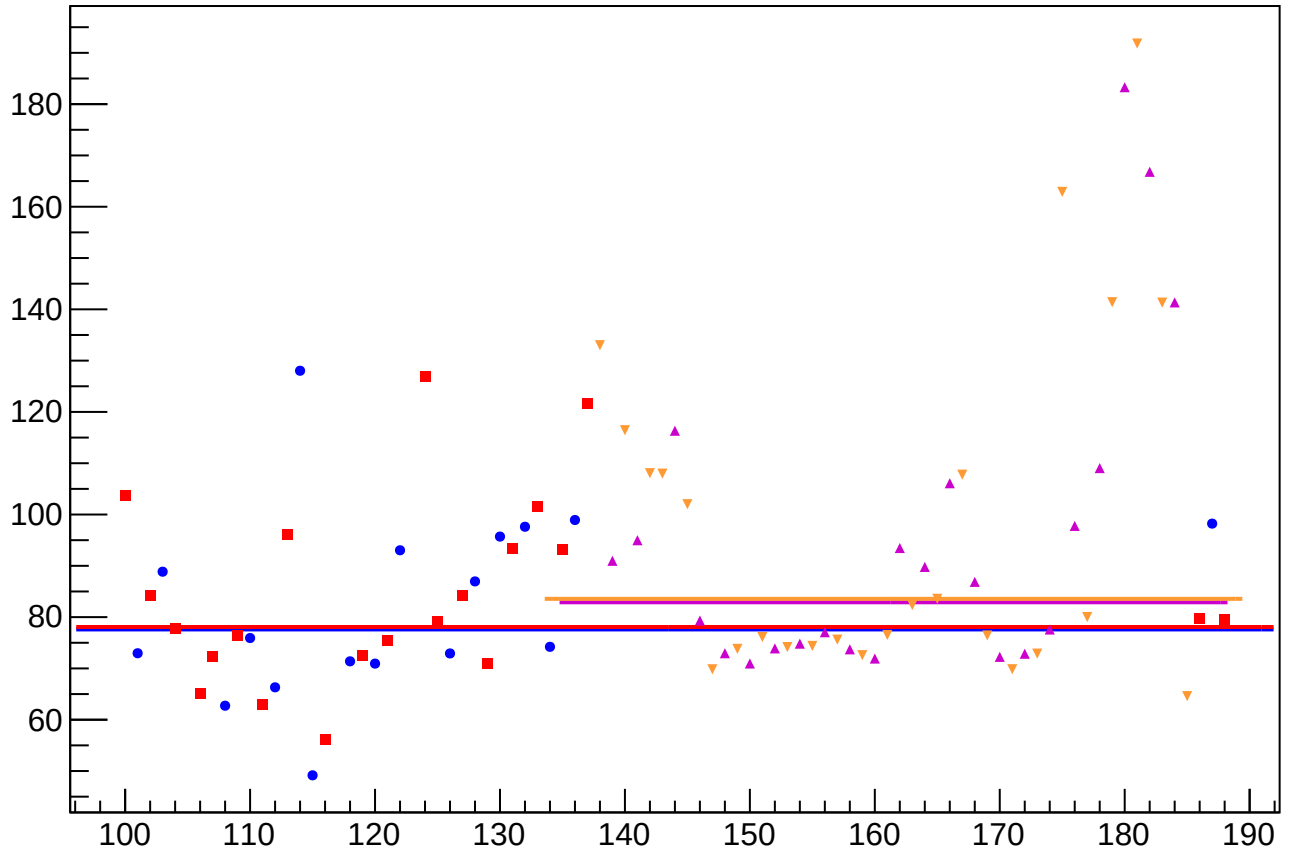
Left: -0.011+/-0.014 χ^2/NDF: 61.3/47

Right: -0.003+/-0.020 χ^2/NDF: 48.3/37

In: -0.020+/-0.017 χ^2/NDF:49.7/39

Out: 0.003+/-0.016 χ^2/NDF:59.1/45

All: -0.008+/-0.012 χ^2/NDF: 109.8/85



Right In: 77.600+/-0.021 χ^2/NDF: 435219.0/16

Left Out: 83.565+/-0.014 χ^2/NDF:2172921.0/24

Right Out: 78.072+/-0.019 χ^2/NDF: 397630.2/20

Left In: 82.891+/-0.015 χ^2/NDF:1572981.0/22

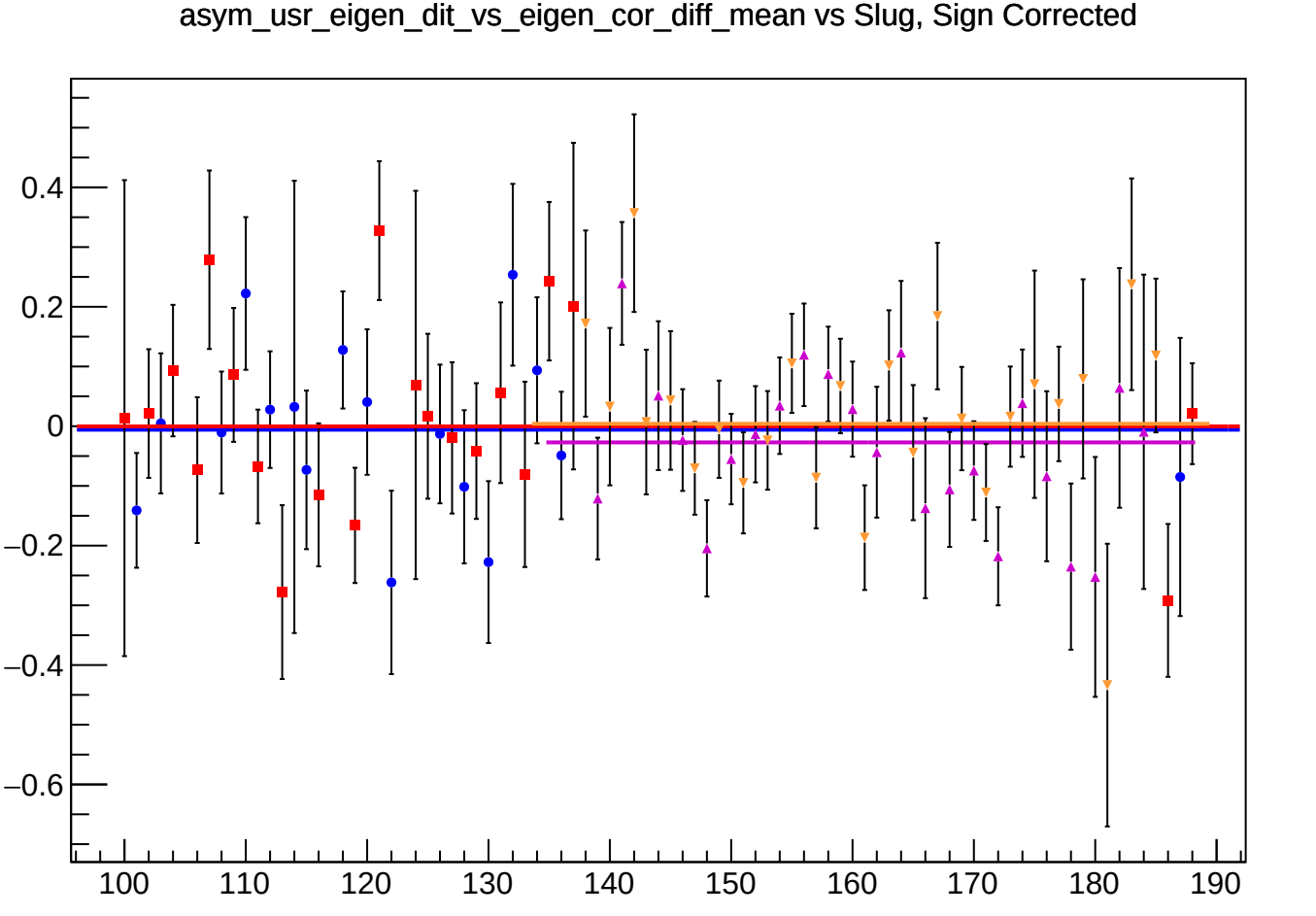
Left: 83.232+/-0.010 χ^2/NDF: 3746990.7/47

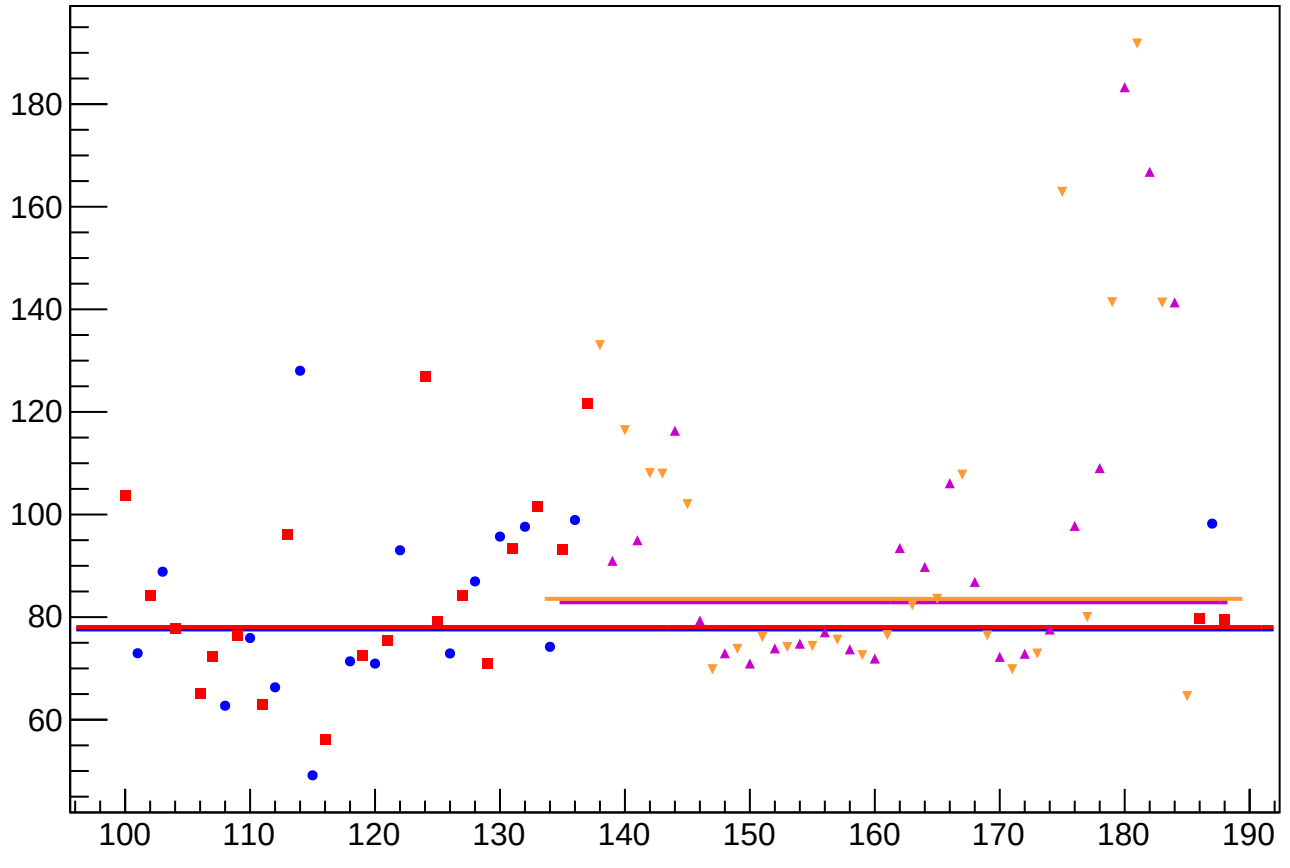
Right: 77.856+/-0.014 χ^2/NDF: 833120.9/37

In: 81.186+/-0.012 χ^2/NDF:2050918.6/39

Out: 81.617+/-0.012 χ^2/NDF:2622462.0/45

All: 81.410+/-0.008 χ^2/NDF: 4674052.7/85


asym_usr_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.4
0.2
0
−0.2
−0.4
−0.6
100
110
120
130
140
150
160
170
180
190
Right In: -0.006+/-0.030 χ²/NDF: 17.4/16
Left Out: 0.004+/-0.020 χ²/NDF:28.2/24
Right Out: -0.000+/-0.027 χ²/NDF: 30.9/20
Left In: -0.027+/-0.021 χ²/NDF:32.0/22
Left: -0.011+/-0.014 χ²/NDF: 61.3/47
Right: -0.003+/-0.020 χ²/NDF: 48.3/37
In: -0.020+/-0.017 χ²/NDF:49.7/39
Out: 0.003+/-0.016 χ²/NDF:59.1/45
All: -0.008+/-0.012 χ²/NDF: 109.8/85



Right In: 77.600+/-0.021 χ^2/NDF: 435219.0/16

Left Out: 83.565+/-0.014 χ^2/NDF:2172921.0/24

Right Out: 78.072+/-0.019 χ^2/NDF: 397630.2/20

Left In: 82.891+/-0.015 χ^2/NDF:1572981.0/22

Left: 83.232+/-0.010 χ^2/NDF: 3746990.7/47

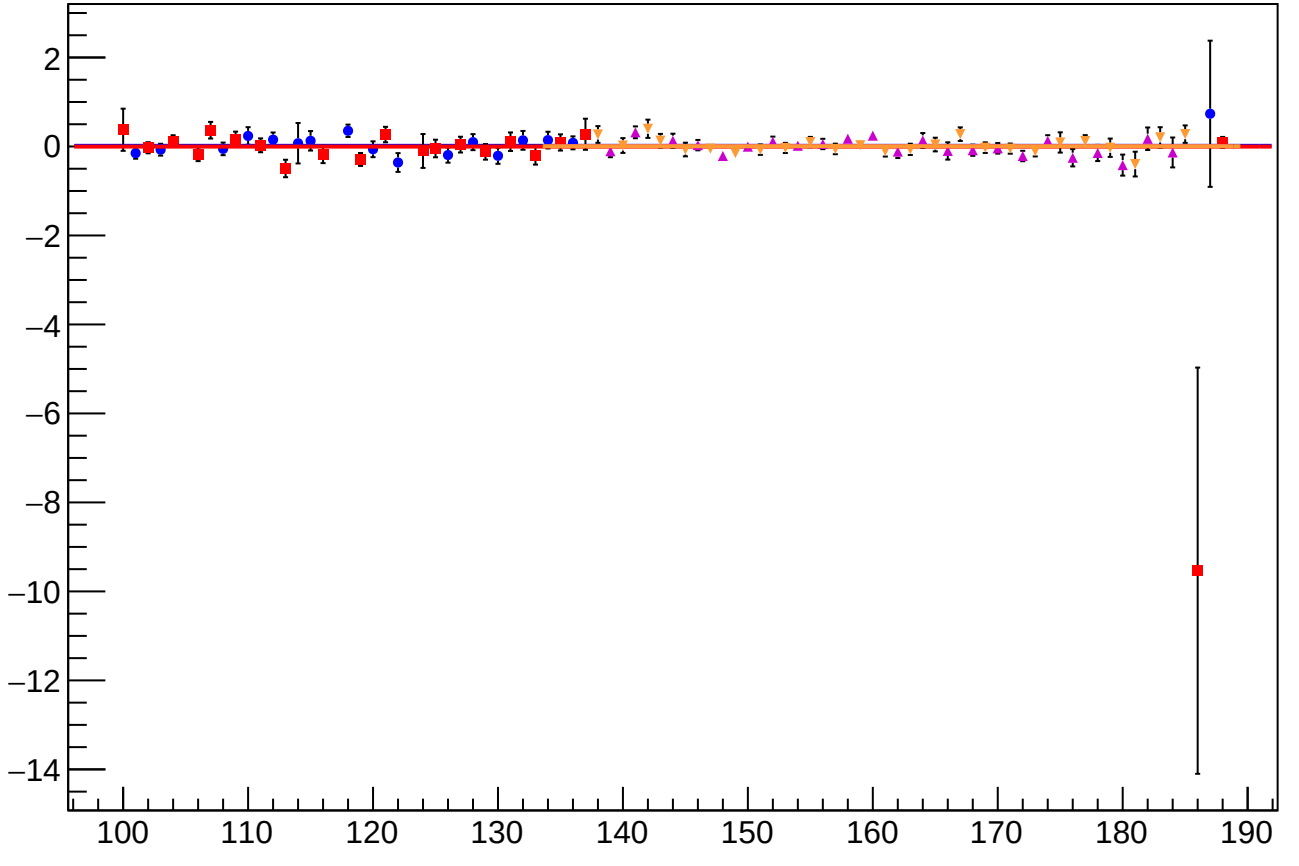
Right: 77.856+/-0.014 χ^2/NDF: 833120.9/37

In: 81.186+/-0.012 χ^2/NDF:2050918.6/39

Out: 81.617+/-0.012 χ^2/NDF:2622462.0/45

All: 81.410+/-0.008 χ^2/NDF: 4674052.7/85

asym_usr_eigen_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.015+/-0.042 χ^2/NDF: 18.4/16

Left Out: 0.006+/-0.028 χ^2/NDF:21.3/24

Right Out: -0.002+/-0.039 χ^2/NDF: 28.8/20

Left In: 0.010+/-0.028 χ^2/NDF:31.3/22

Left: 0.008+/-0.020 χ^2/NDF: 52.6/47

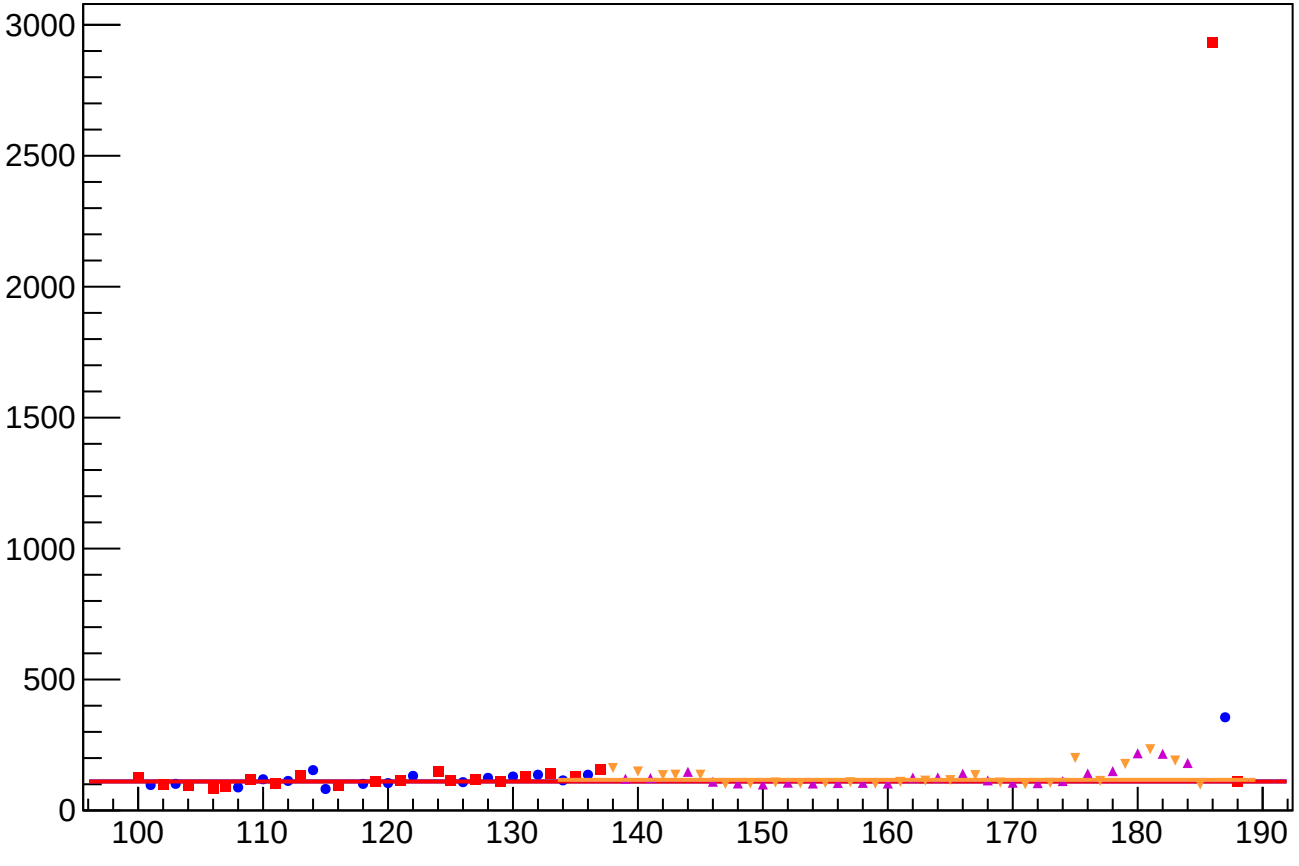
Right: 0.005+/-0.029 χ^2/NDF: 47.2/37

In: 0.011+/-0.023 χ^2/NDF:49.7/39

Out: 0.003+/-0.023 χ^2/NDF:50.1/45

All: 0.007+/-0.016 χ^2/NDF: 99.9/85

asym_usr_eigen_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



Right In: 110.876+/-0.030 χ^2/NDF: 344422.5/16

Left Out: 116.880+/-0.020 χ^2/NDF:1596928.7/24

Right Out: 110.572+/-0.028 χ^2/NDF: 1092104.6/20

Left In: 115.858+/-0.020 χ^2/NDF:1231371.8/22

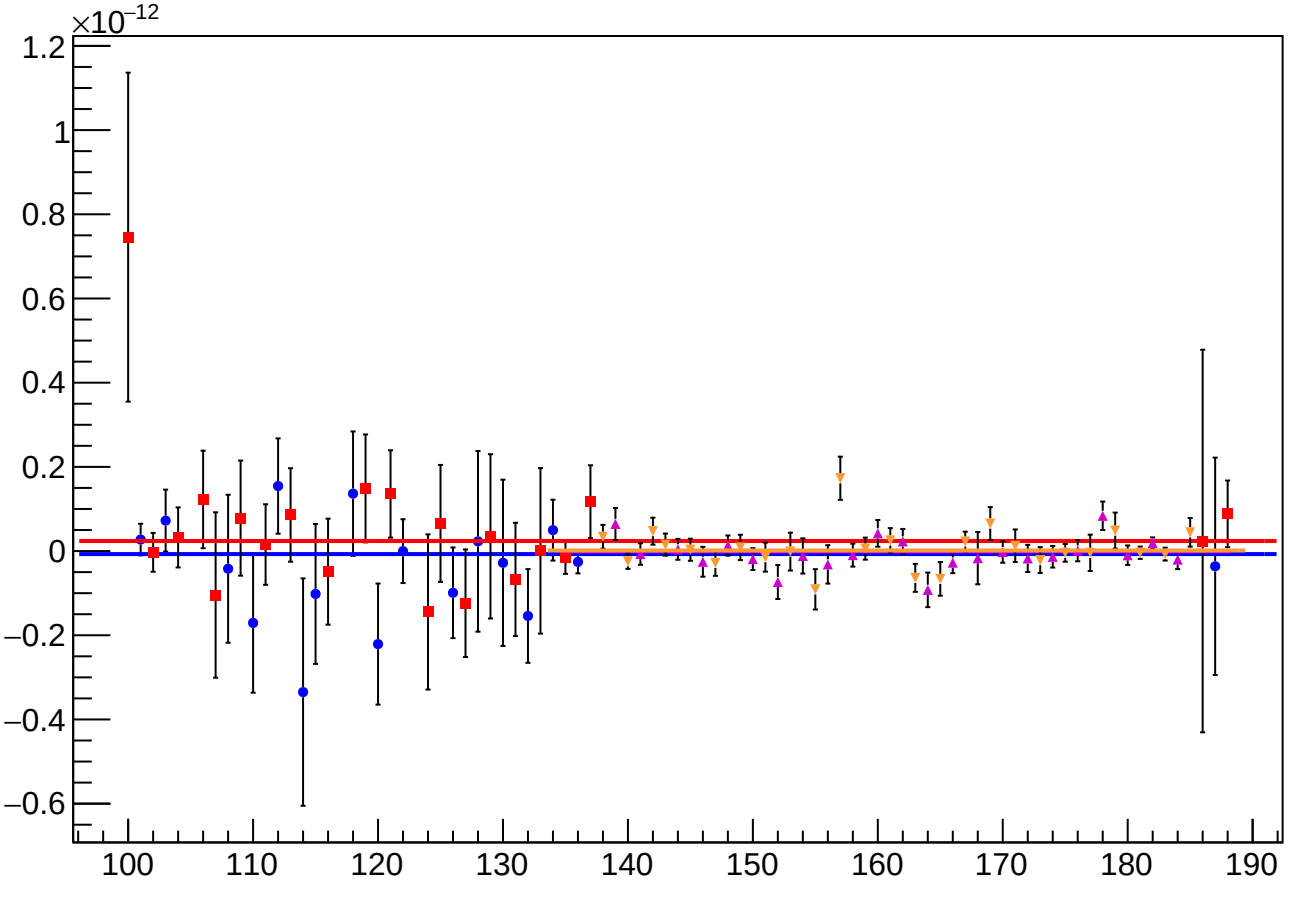
Left: 116.377+/-0.014 χ^2/NDF: 2829636.7/47

Right: 110.712+/-0.020 χ^2/NDF: 1436582.7/37

In: 114.325+/-0.017 χ^2/NDF:1595047.8/39

Out: 114.770+/-0.016 χ^2/NDF:2723580.2/45

All: 114.555+/-0.012 χ^2/NDF: 4318999.9/85



Right In: -0.000+/-0.000 χ^2/NDF: 13.6/16

Left Out: 0.000+/-0.000 χ^2/NDF:36.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 13.3/20

Left In: -0.000+/-0.000 χ^2/NDF:26.7/22

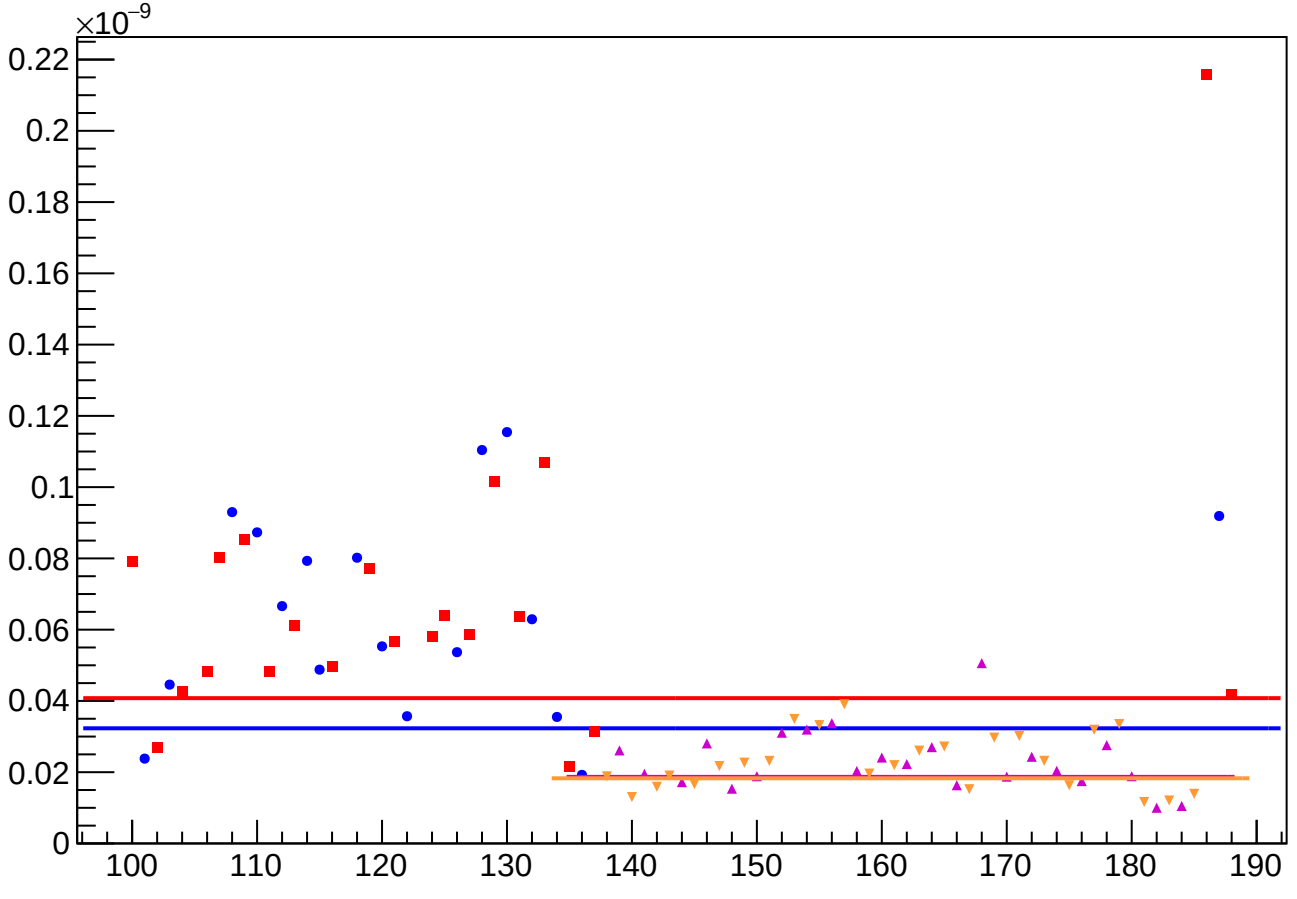
Left: 0.000+/-0.000 χ^2/NDF: 63.4/47

Right: 0.000+/-0.000 χ^2/NDF: 28.2/37

In: -0.000+/-0.000 χ^2/NDF:40.5/39

Out: 0.000+/-0.000 χ^2/NDF:51.1/45

All: 0.000+/-0.000 χ^2/NDF: 91.8/85



Right In: 0.000+/-0.000 χ^2/NDF: 2566373.4/16

Left Out: 0.000+/-0.000 χ^2/NDF:3029080.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2164061.8/20

Left In: 0.000+/-0.000 χ^2/NDF:2908977.5/22

Left: 0.000+/-0.000 χ^2/NDF: 5943205.7/47

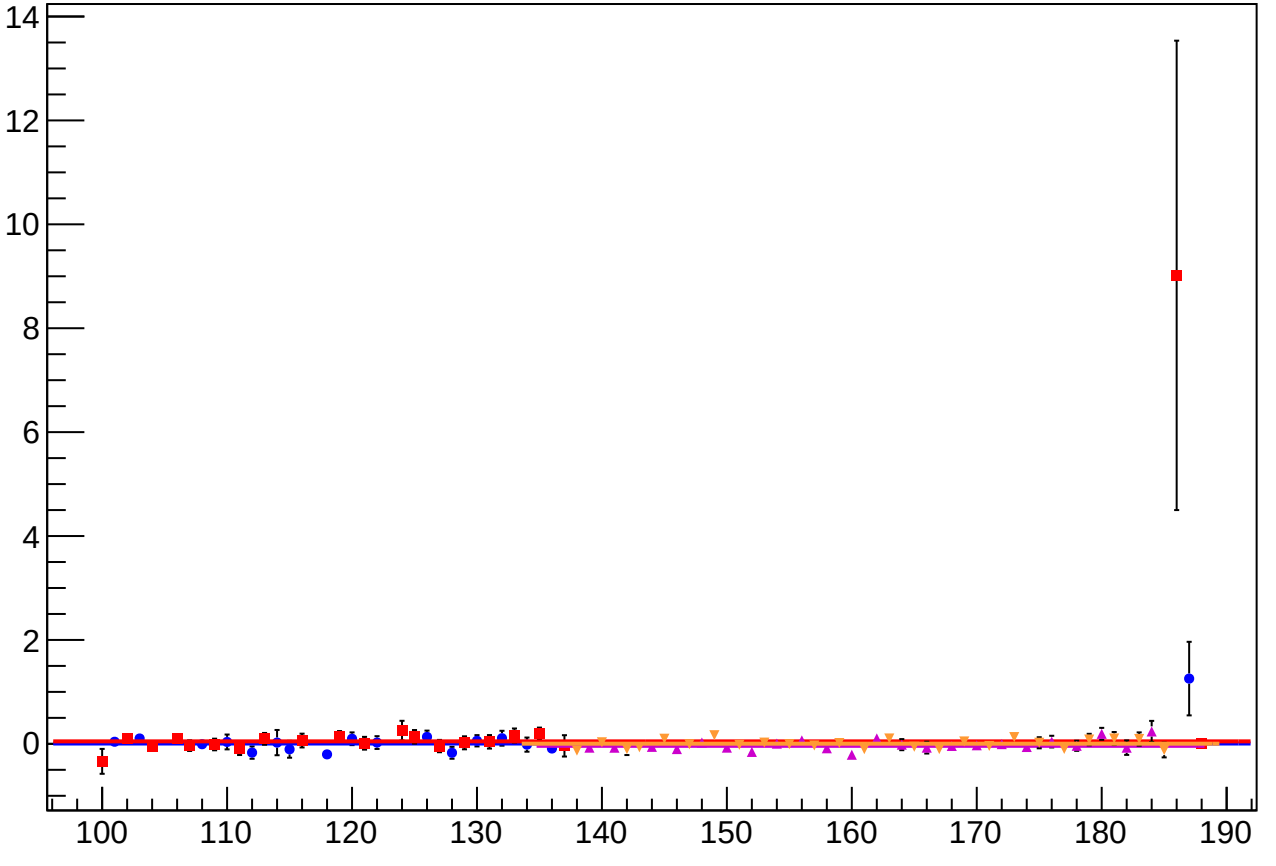
Right: 0.000+/-0.000 χ^2/NDF: 4925196.7/37

In: 0.000+/-0.000 χ^2/NDF:6532803.2/39

Out: 0.000+/-0.000 χ^2/NDF:7465980.3/45

All: 0.000+/-0.000 χ^2/NDF: 13999544.6/85

asym_usr_overload_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.006+/-0.026 χ^2/NDF: 19.7/16

Left Out: 0.003+/-0.017 χ^2/NDF:21.5/24

Right Out: 0.048+/-0.023 χ^2/NDF: 19.1/20

Left In: -0.038+/-0.018 χ^2/NDF:21.6/22

Left: -0.017+/-0.012 χ^2/NDF: 45.8/47

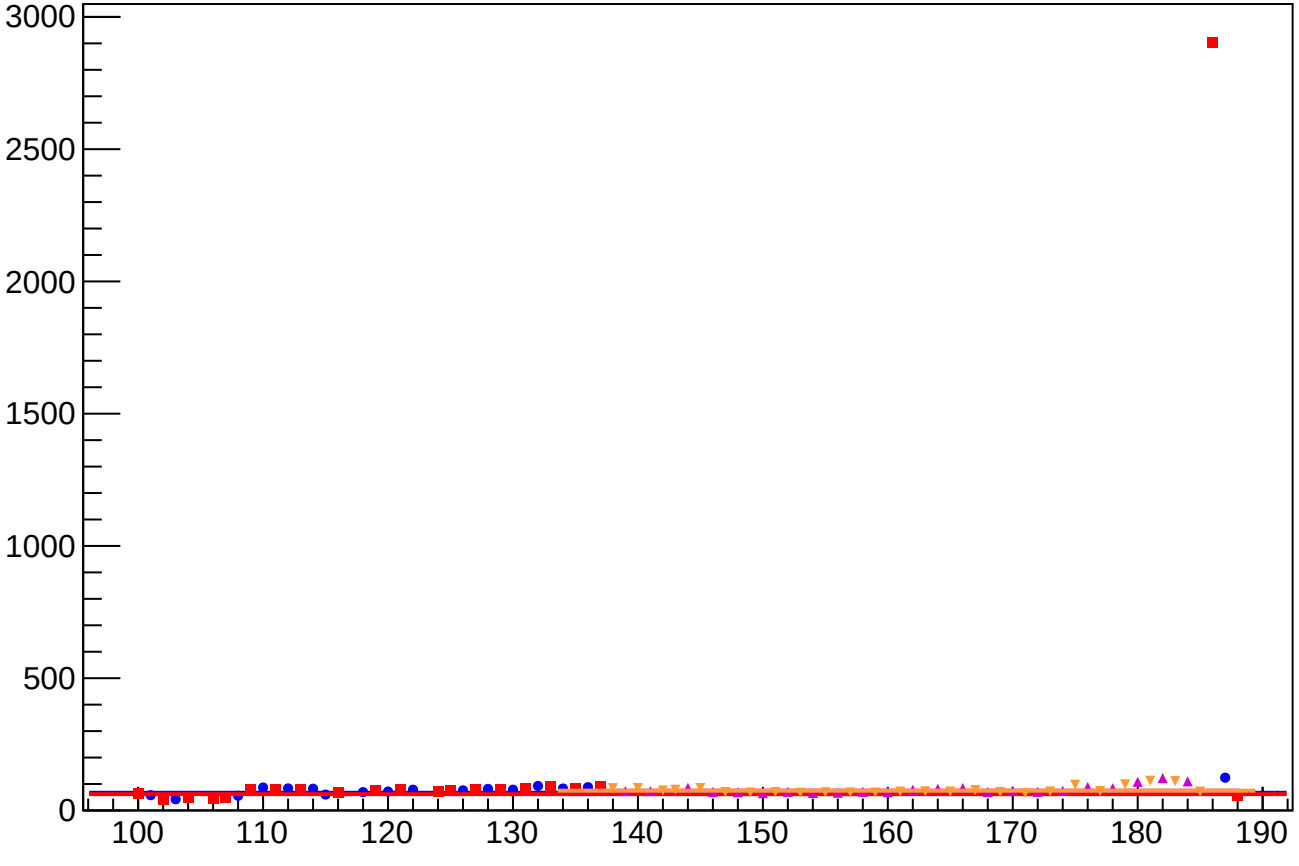
Right: 0.030+/-0.017 χ^2/NDF: 40.3/37

In: -0.024+/-0.015 χ^2/NDF:43.4/39

Out: 0.020+/-0.014 χ^2/NDF:43.1/45

All: -0.001+/-0.010 χ^2/NDF: 91.1/85

asym_usr_overload_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 66.809+/-0.018 χ^2/NDF: 829771.7/16

Left Out: 74.749+/-0.012 χ^2/NDF:744366.0/24

Right Out: 61.690+/-0.016 χ^2/NDF: 1923924.8/20

Left In: 74.601+/-0.013 χ^2/NDF:713751.1/22

Left: 74.677+/-0.009 χ^2/NDF: 1458187.6/47

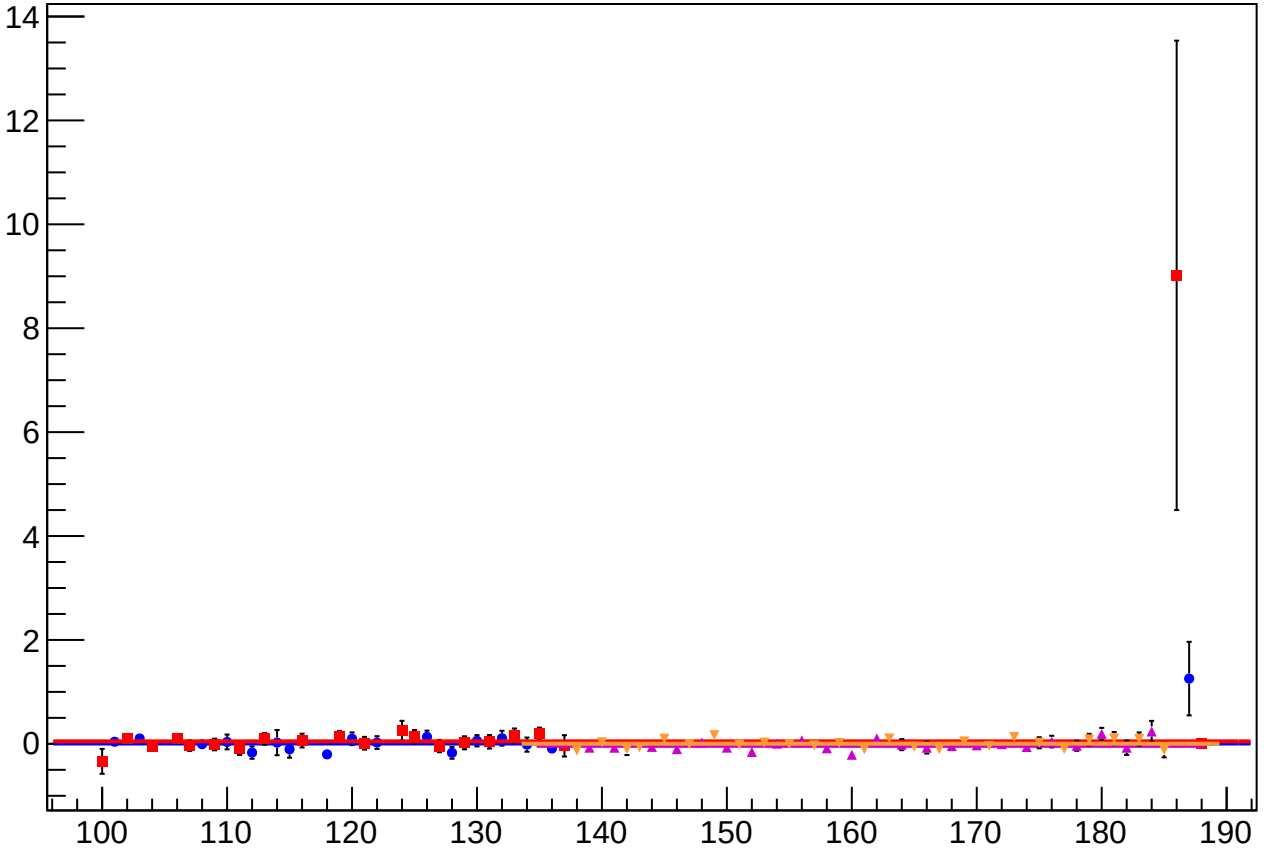
Right: 63.906+/-0.012 χ^2/NDF: 2798064.7/37

In: 72.084+/-0.010 χ^2/NDF:1666258.9/39

Out: 69.883+/-0.010 χ^2/NDF:3086775.6/45

All: 70.914+/-0.007 χ^2/NDF: 4776839.6/85

asym_usr_overload_cor_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.006+/-0.026 χ^2/NDF: 19.7/16

Left Out: 0.003+/-0.017 χ^2/NDF:21.5/24

Right Out: 0.048+/-0.023 χ^2/NDF: 19.1/20

Left In: -0.038+/-0.018 χ^2/NDF:21.6/22

Left: -0.017+/-0.012 χ^2/NDF: 45.8/47

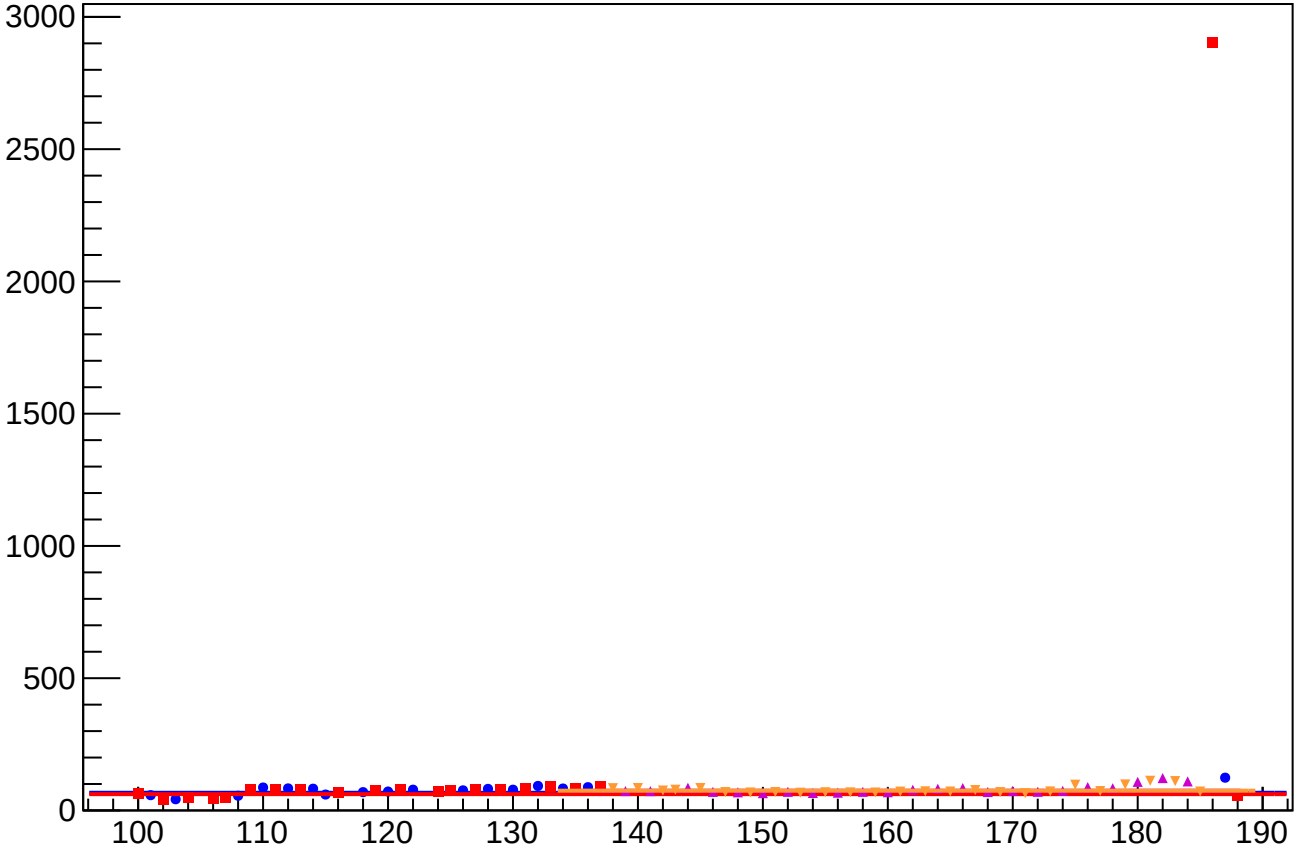
Right: 0.030+/-0.017 χ^2/NDF: 40.3/37

In: -0.024+/-0.015 χ^2/NDF:43.4/39

Out: 0.020+/-0.014 χ^2/NDF:43.1/45

All: -0.001+/-0.010 χ^2/NDF: 91.1/85

asym_usr_overload_cor_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 66.809+/-0.018 χ^2/NDF: 829771.7/16

Left Out: 74.749+/-0.012 χ^2/NDF:744366.0/24

Right Out: 61.690+/-0.016 χ^2/NDF: 1923924.8/20

Left In: 74.601+/-0.013 χ^2/NDF:713751.1/22

Left: 74.677+/-0.009 χ^2/NDF: 1458187.6/47

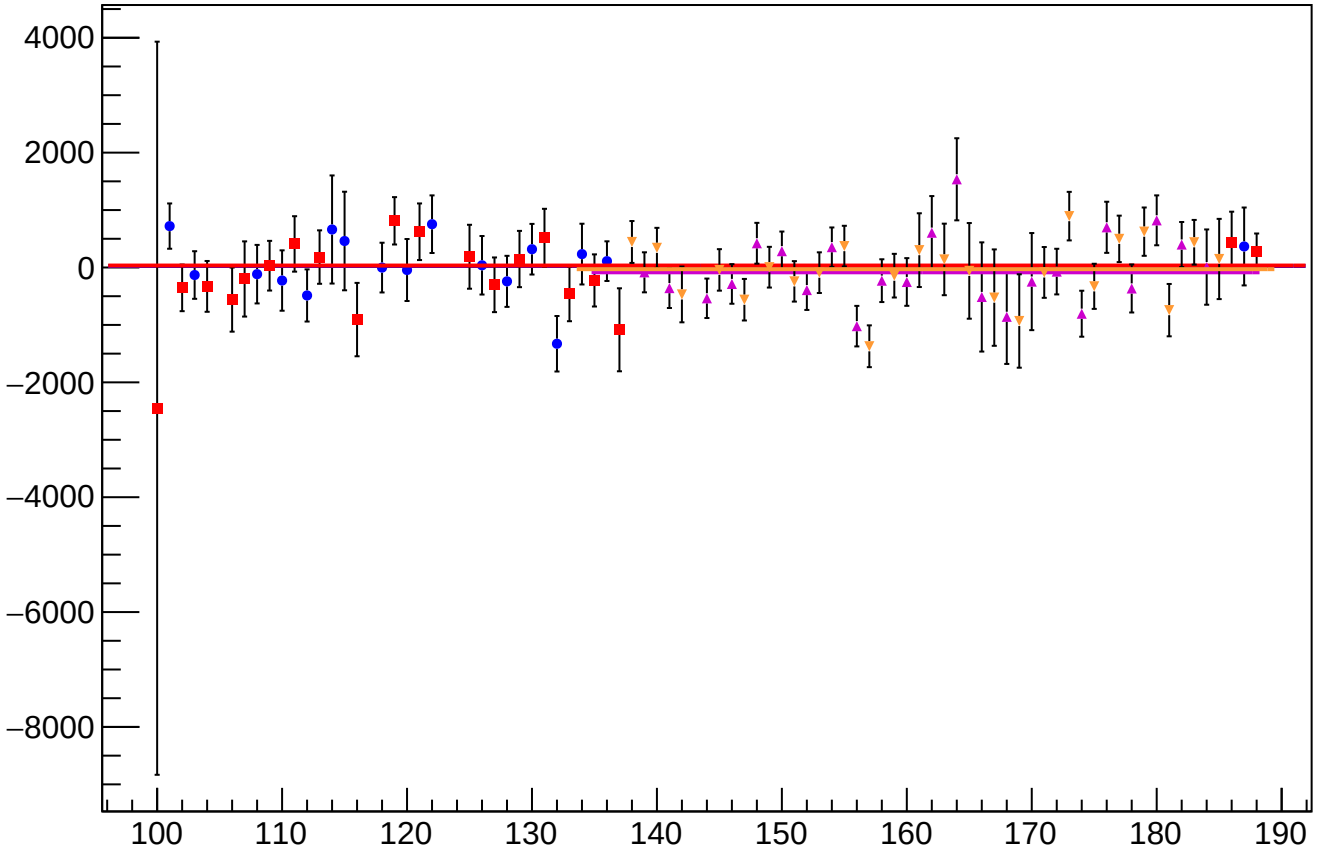
Right: 63.906+/-0.012 χ^2/NDF: 2798064.7/37

In: 72.084+/-0.010 χ^2/NDF:1666258.9/39

Out: 69.883+/-0.010 χ^2/NDF:3086775.6/45

All: 70.914+/-0.007 χ^2/NDF: 4776839.6/85

asym_dsl_mean vs Slug, Sign Corrected



Right In: 26.064+/-117.621 χ^2/NDF: 16.8/16

Left Out: -29.346+/-86.530 χ^2/NDF:36.6/23

Right Out: 33.818+/-109.039 χ^2/NDF: 17.4/19

Left In: -83.719+/-86.476 χ^2/NDF:35.8/22

Left: -56.550+/-61.167 χ^2/NDF: 72.6/46

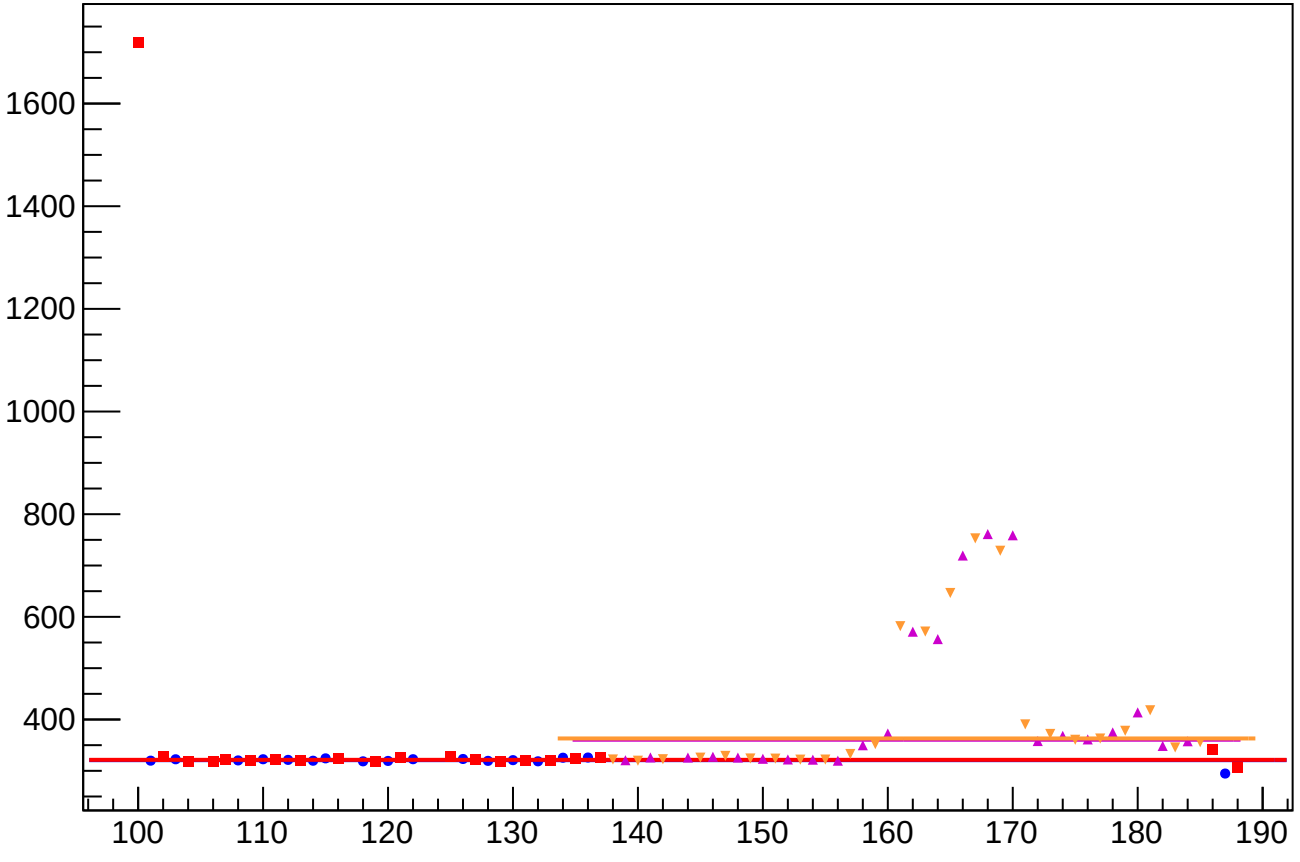
Right: 30.234+/-79.964 χ^2/NDF: 34.2/36

In: -45.199+/-69.672 χ^2/NDF:53.2/39

Out: -4.939+/-67.781 χ^2/NDF:54.2/43

All: -24.515+/-48.583 χ^2/NDF: 107.5/83

asym_dsl_rms vs Slug, Sign Corrected



Right In: 320.795+/-0.083 χ^2/NDF: 3874.6/16

Left Out: 363.079+/-0.061 χ^2/NDF:1795570.0/23

Right Out: 321.414+/-0.077 χ^2/NDF: 104151.8/19

Left In: 360.585+/-0.061 χ^2/NDF:1817691.0/22

Left: 361.831+/-0.043 χ^2/NDF: 3614092.1/46

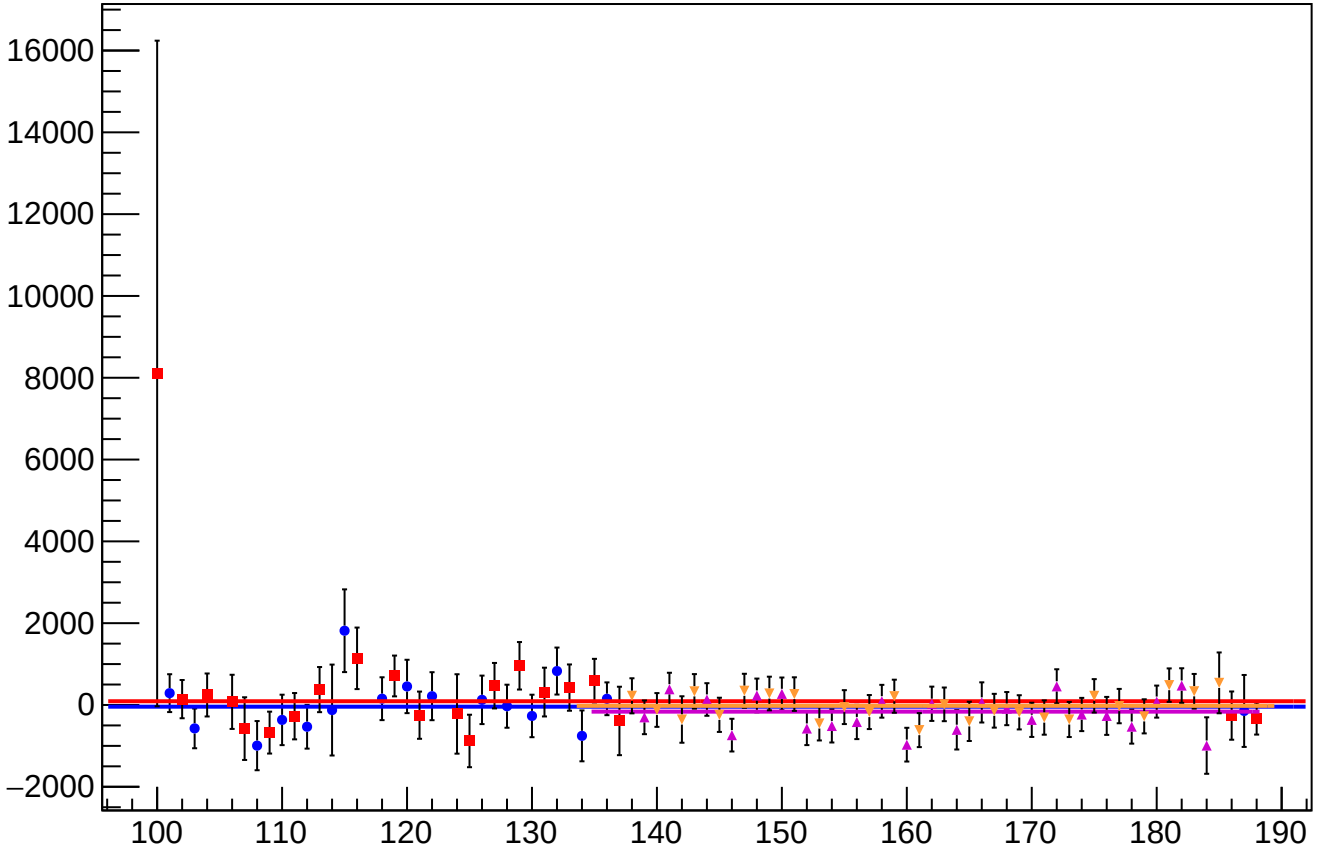
Right: 321.128+/-0.057 χ^2/NDF: 108056.2/36

In: 346.624+/-0.049 χ^2/NDF:1970142.0/39

Out: 346.979+/-0.048 χ^2/NDF:2078900.7/43

All: 346.807+/-0.034 χ^2/NDF: 4049069.4/83

asym_dsr_mean vs Slug, Sign Corrected



Right In: -41.585+/-138.952 χ^2/NDF: 13.7/16

Left Out: -21.061+/-85.620 χ^2/NDF:12.6/24

Right Out: 91.293+/-127.801 χ^2/NDF: 16.9/20

Left In: -162.992+/-87.991 χ^2/NDF:21.8/22

Left: -90.087+/-61.364 χ^2/NDF: 35.7/47

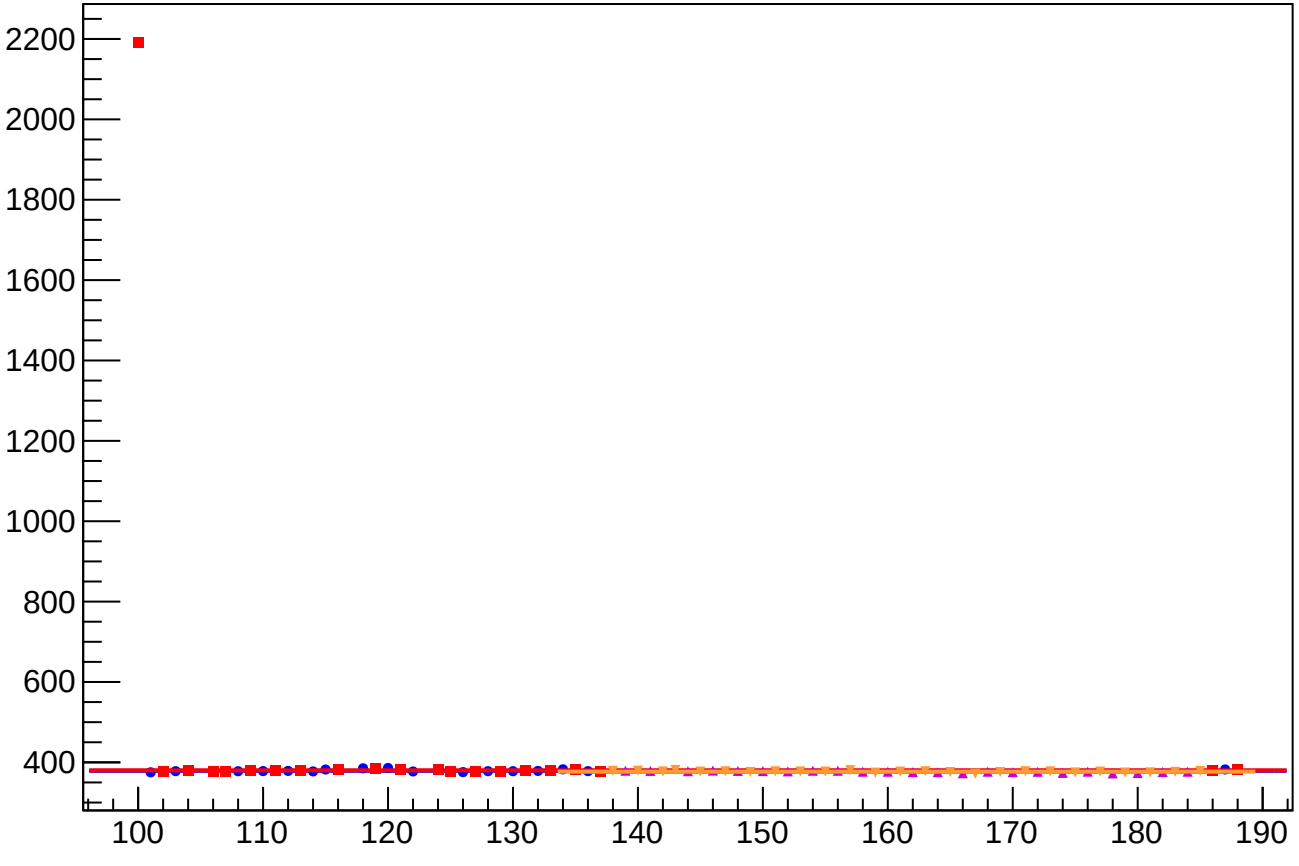
Right: 30.399+/-94.065 χ^2/NDF: 31.2/37

In: -128.242+/-74.340 χ^2/NDF:36.1/39

Out: 13.745+/-71.132 χ^2/NDF:30.1/45

All: -54.119+/-51.395 χ^2/NDF: 68.0/85

asym_dsr_rms vs Slug, Sign Corrected



Right In: 378.995+/-0.098 χ^2/NDF: 880.2/16

Left Out: 376.906+/-0.061 χ^2/NDF:1058.3/24

Right Out: 380.177+/-0.090 χ^2/NDF: 99731.9/20

Left In: 376.846+/-0.062 χ^2/NDF:1074.1/22

Left: 376.877+/-0.043 χ^2/NDF: 2132.9/47

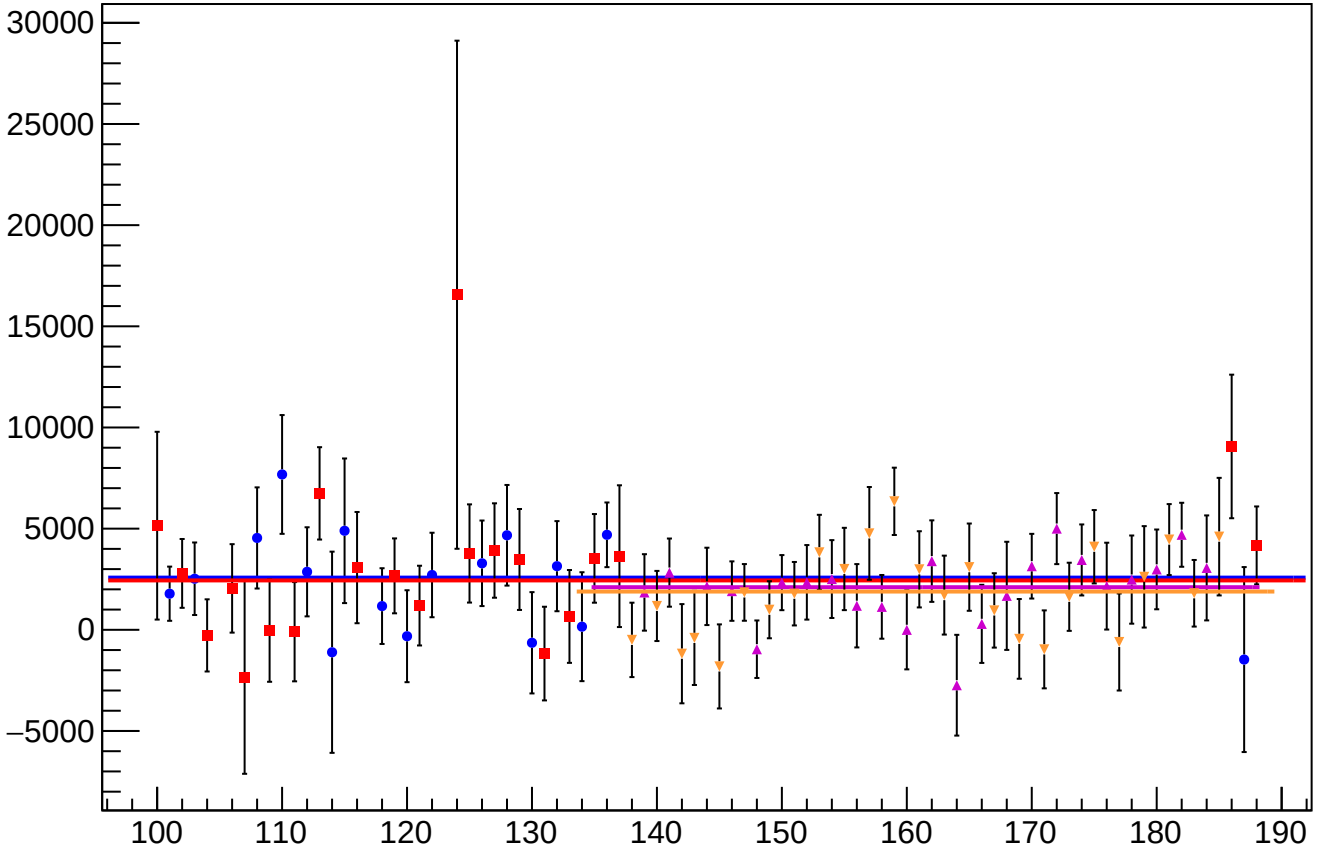
Right: 379.635+/-0.067 χ^2/NDF: 100690.6/37

In: 377.461+/-0.053 χ^2/NDF:2295.6/39

Out: 377.919+/-0.050 χ^2/NDF:101694.8/45

All: 377.700+/-0.036 χ^2/NDF: 104030.1/85

asym_us_agg_avg_mean vs Slug, Sign Corrected



Right In: 2579.295+/-534.346 χ^2/NDF: 13.1/16

Left Out: 1891.201+/-375.290 χ^2/NDF:28.4/24

Right Out: 2441.463+/-520.460 χ^2/NDF: 19.6/20

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

Left: 1997.240+/-266.690 χ^2/NDF: 47.1/47

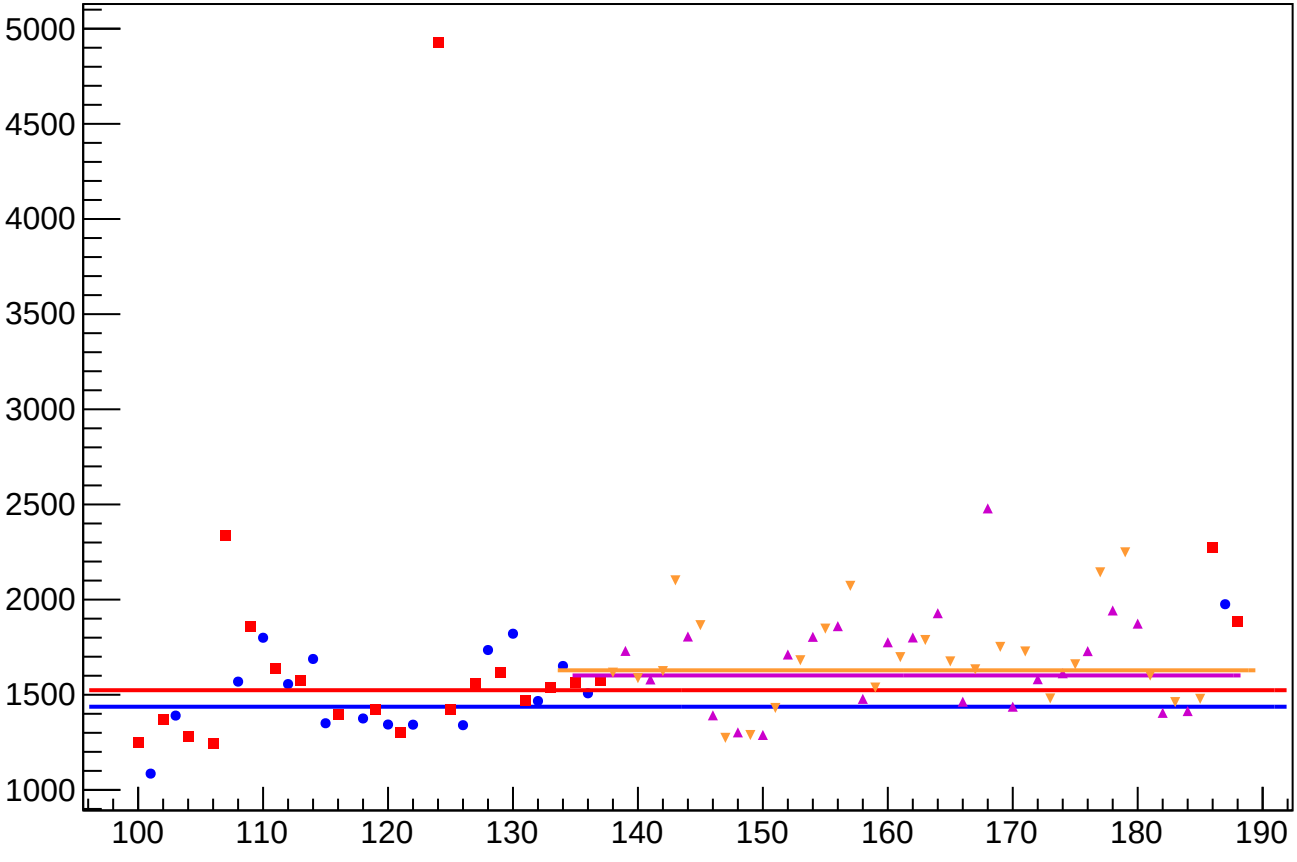
Right: 2508.565+/-372.833 χ^2/NDF: 32.7/37

In: 2264.050+/-309.163 χ^2/NDF:32.2/39

Out: 2079.436+/-304.406 χ^2/NDF:48.7/45

All: 2170.311+/-216.910 χ^2/NDF: 81.1/85

asym_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 1437.116+/-0.378 χ^2/NDF: 321544.4/16

Left Out: 1628.479+/-0.265 χ^2/NDF:779094.7/24

Right Out: 1523.936+/-0.368 χ^2/NDF: 543240.4/20

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

Left: 1615.122+/-0.189 χ^2/NDF: 1577935.0/47

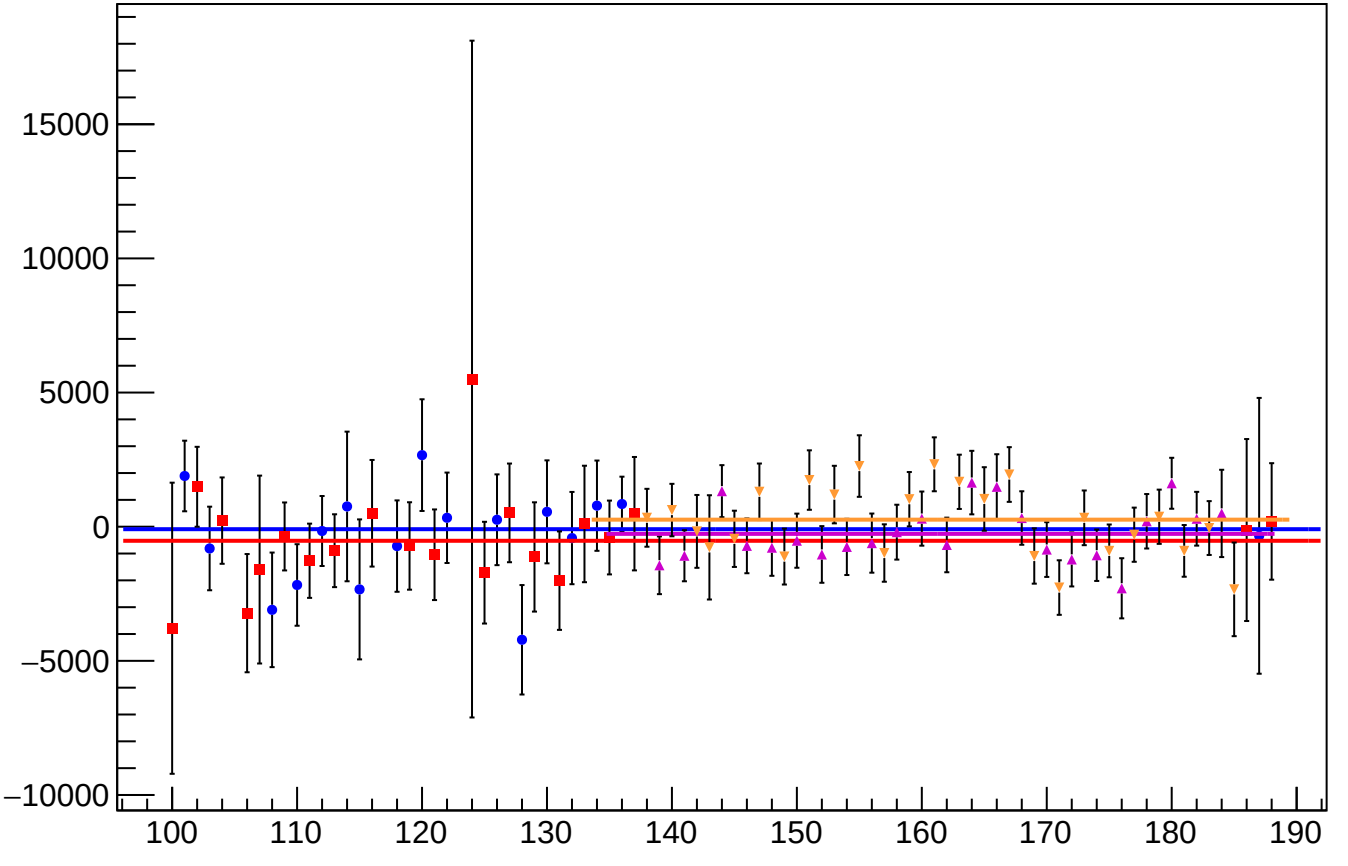
Right: 1481.669+/-0.264 χ^2/NDF: 891879.1/37

In: 1546.469+/-0.219 χ^2/NDF:1241178.4/39

Out: 1592.716+/-0.215 χ^2/NDF:1375425.5/45

All: 1569.951+/-0.153 χ^2/NDF: 2639328.1/85

asym_us_agg_dd_mean vs Slug, Sign Corrected



Right In: -92.877+/-408.659 χ^2/NDF: 14.5/16

Left Out: 262.383+/-214.962 χ^2/NDF:33.9/24

Right Out: -525.052+/-401.316 χ^2/NDF: 6.9/20

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

Left: 0.994+/-152.955 χ^2/NDF: 58.3/47

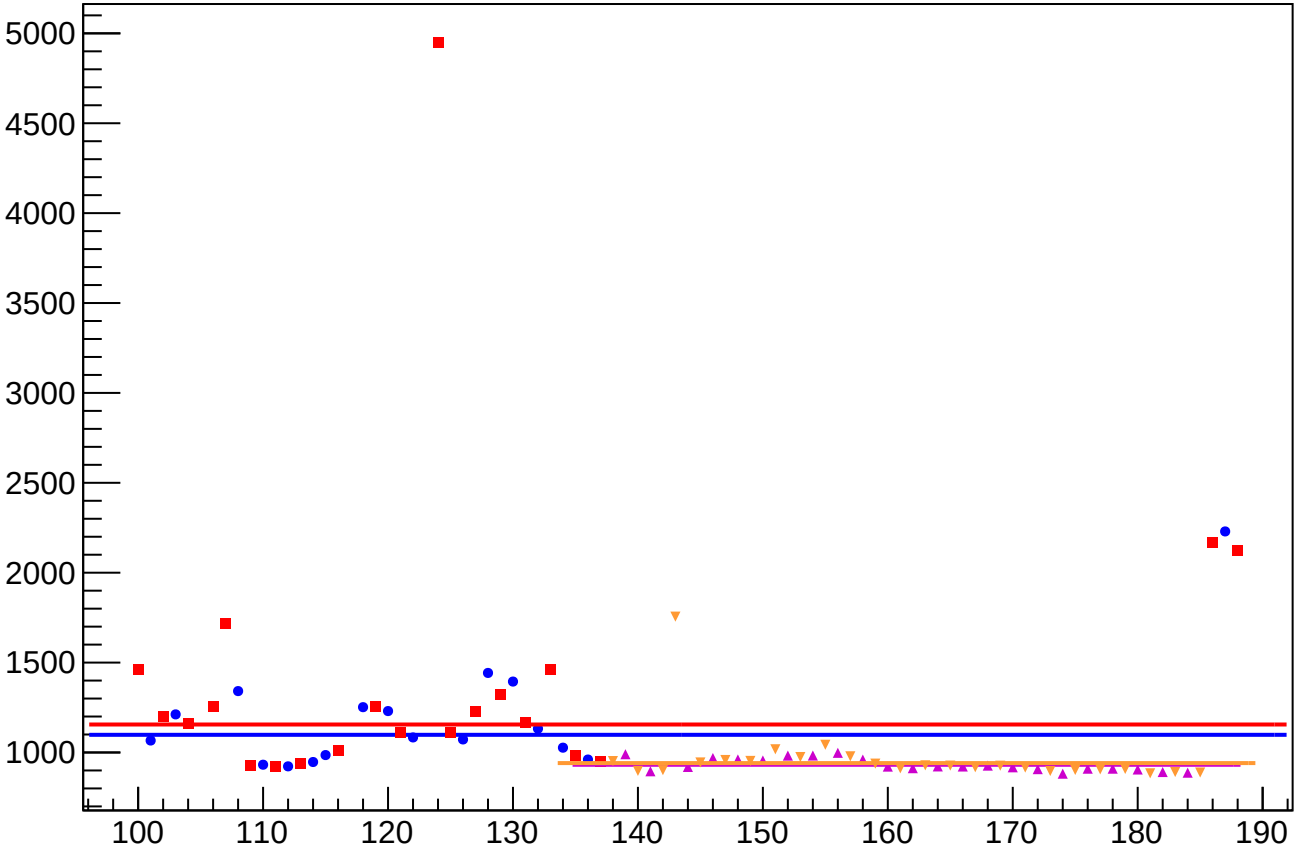
Right: -312.882+/-286.334 χ^2/NDF: 22.0/37

In: -228.560+/-192.127 χ^2/NDF:36.0/39

Out: 86.827+/-189.490 χ^2/NDF:43.8/45

All: -68.687+/-134.912 χ^2/NDF: 81.2/85

asym_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 1098.237+/-0.289 χ^2/NDF: 374796.1/16

Left Out: 941.013+/-0.152 χ^2/NDF:417710.2/24

Right Out: 1155.633+/-0.284 χ^2/NDF: 1117680.0/20

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

Left: 936.347+/-0.108 χ^2/NDF: 468535.2/47

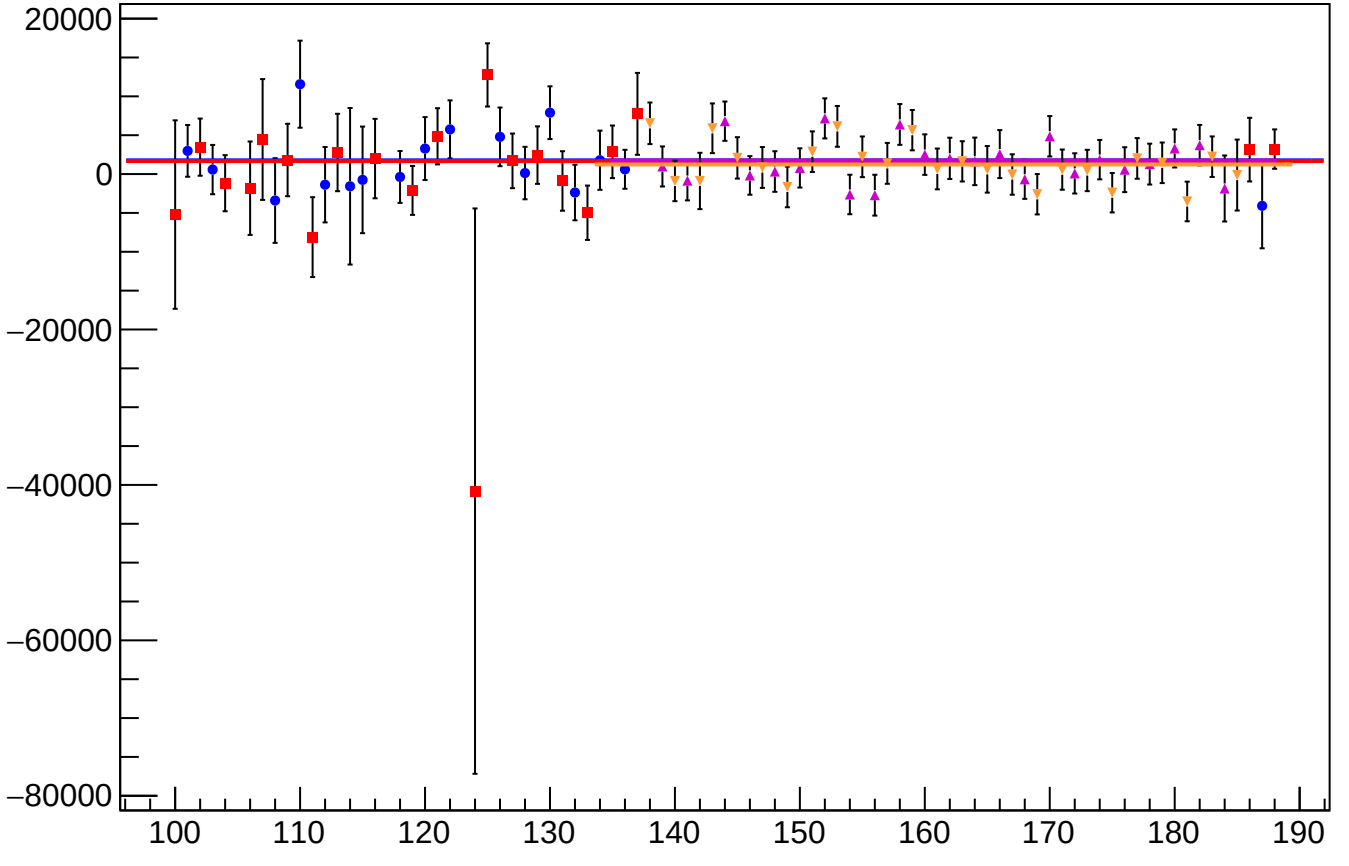
Right: 1127.455+/-0.202 χ^2/NDF: 1512559.7/37

In: 968.402+/-0.136 χ^2/NDF:682871.3/39

Out: 988.862+/-0.134 χ^2/NDF:1979862.2/45

All: 978.774+/-0.095 χ^2/NDF: 2674230.3/85

reg_asym_atl1_mean vs Slug, Sign Corrected



Right In: 1762.150+/-938.403 χ^2/NDF: 13.4/16

Left Out: 1234.728+/-541.289 χ^2/NDF:23.9/24

Right Out: 1671.911+/-895.889 χ^2/NDF: 22.4/20

Left In: 1741.730+/-553.254 χ^2/NDF:24.4/22

Left: 1482.688+/-386.910 χ^2/NDF: 48.7/47

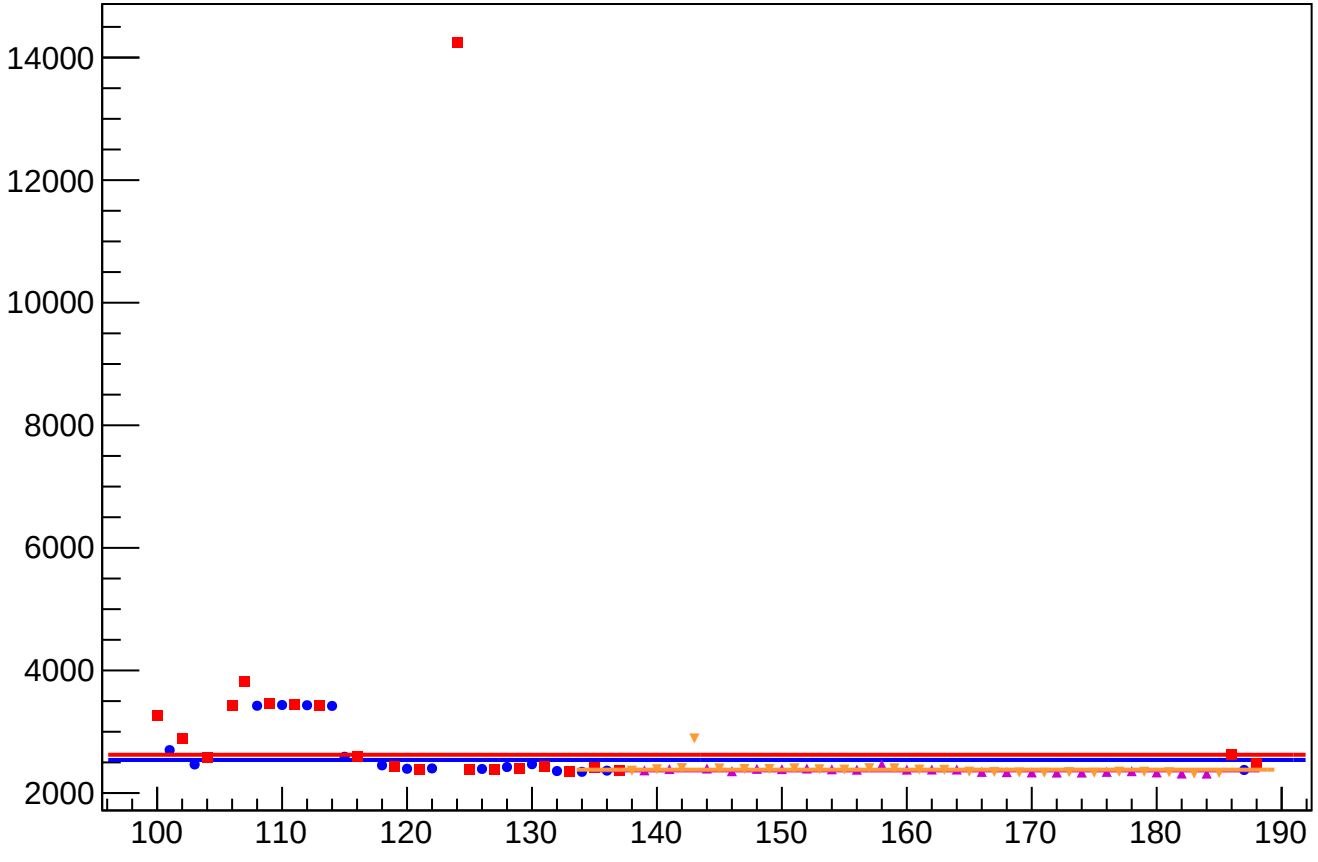
Right: 1714.940+/-647.998 χ^2/NDF: 35.8/37

In: 1746.997+/-476.591 χ^2/NDF:37.8/39

Out: 1351.642+/-463.293 χ^2/NDF:46.4/45

All: 1543.727+/-332.199 χ^2/NDF: 84.6/85

reg_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2539.464+/-0.664 χ^2/NDF: 227449.2/16

Left Out: 2381.235+/-0.383 χ^2/NDF:57623.2/24

Right Out: 2624.592+/-0.633 χ^2/NDF: 544257.0/20

Left In: 2369.384+/-0.391 χ^2/NDF:7034.0/22

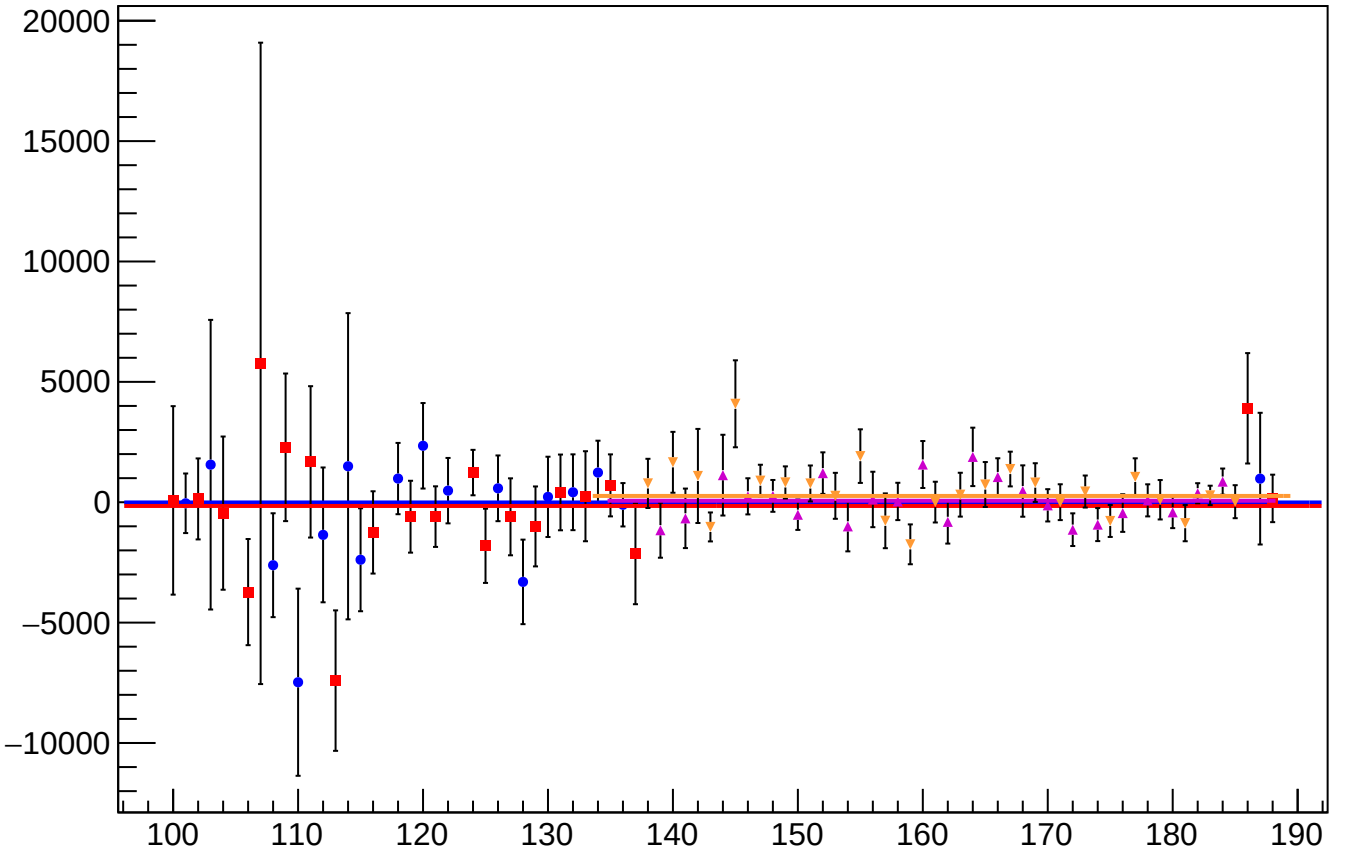
Left: 2375.439+/-0.274 χ^2/NDF: 65126.0/47

Right: 2584.000+/-0.458 χ^2/NDF: 780316.8/37

In: 2413.254+/-0.337 χ^2/NDF:283235.6/39

Out: 2446.315+/-0.328 χ^2/NDF:709988.5/45

All: 2430.252+/-0.235 χ^2/NDF: 998172.5/85



Right In: -9.427+/-401.335 χ^2/NDF: 13.9/16

Left Out: 261.877+/-154.009 χ^2/NDF:31.1/24

Right Out: -154.646+/-364.817 χ^2/NDF: 19.1/20

Left In: 61.960+/-157.394 χ^2/NDF:22.0/22

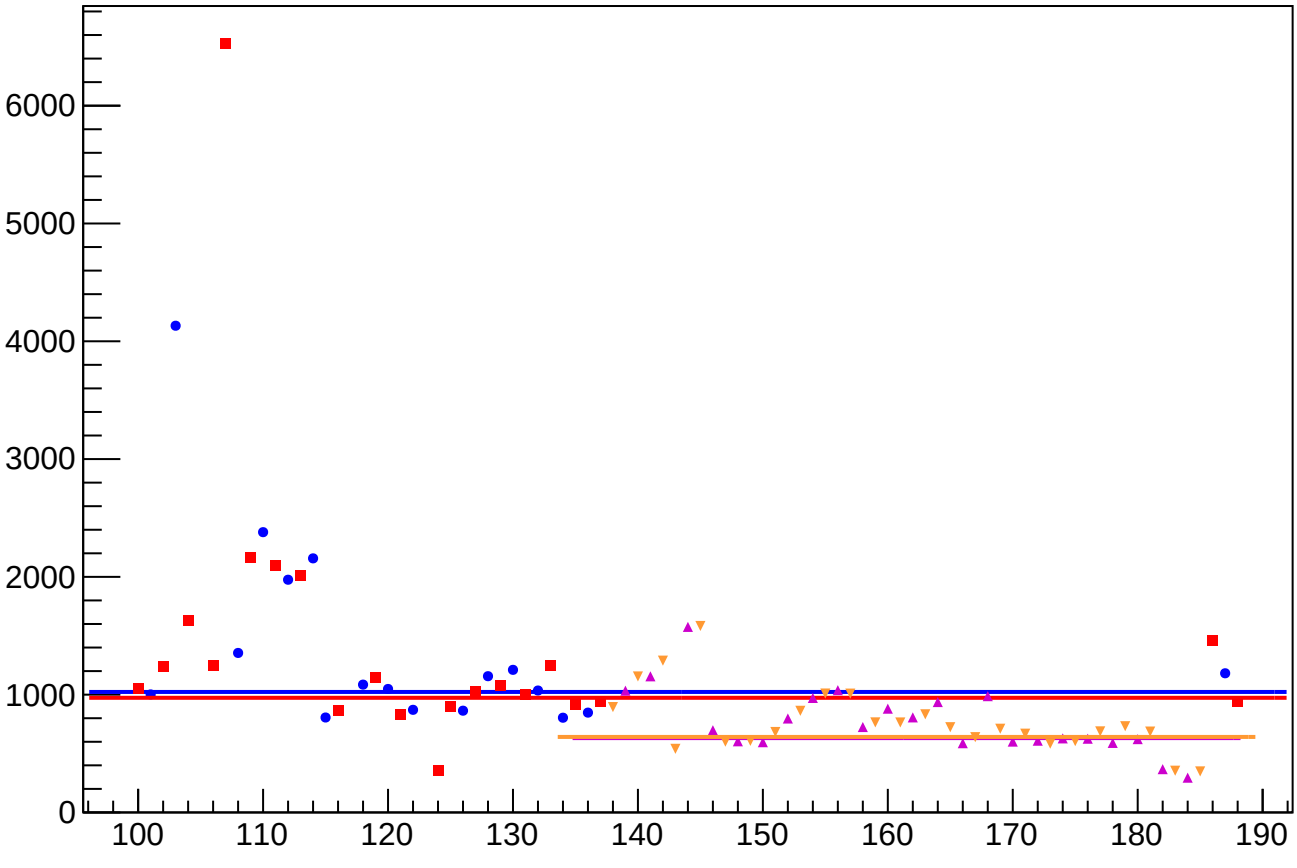
Left: 164.091+/-110.078 χ^2/NDF: 53.9/47

Right: -88.943+/-269.954 χ^2/NDF: 33.0/37

In: 52.444+/-146.528 χ^2/NDF:35.9/39

Out: 198.874+/-141.884 χ^2/NDF:51.3/45

All: 128.016+/-101.930 χ^2/NDF: 87.7/85



Right In: 1023.011+/-0.284 χ^2/NDF: 1371612.1/16

Left Out: 641.156+/-0.109 χ^2/NDF:3474860.7/24

Right Out: 973.357+/-0.258 χ^2/NDF: 2403429.7/20

Left In: 631.199+/-0.111 χ^2/NDF:3975438.6/22

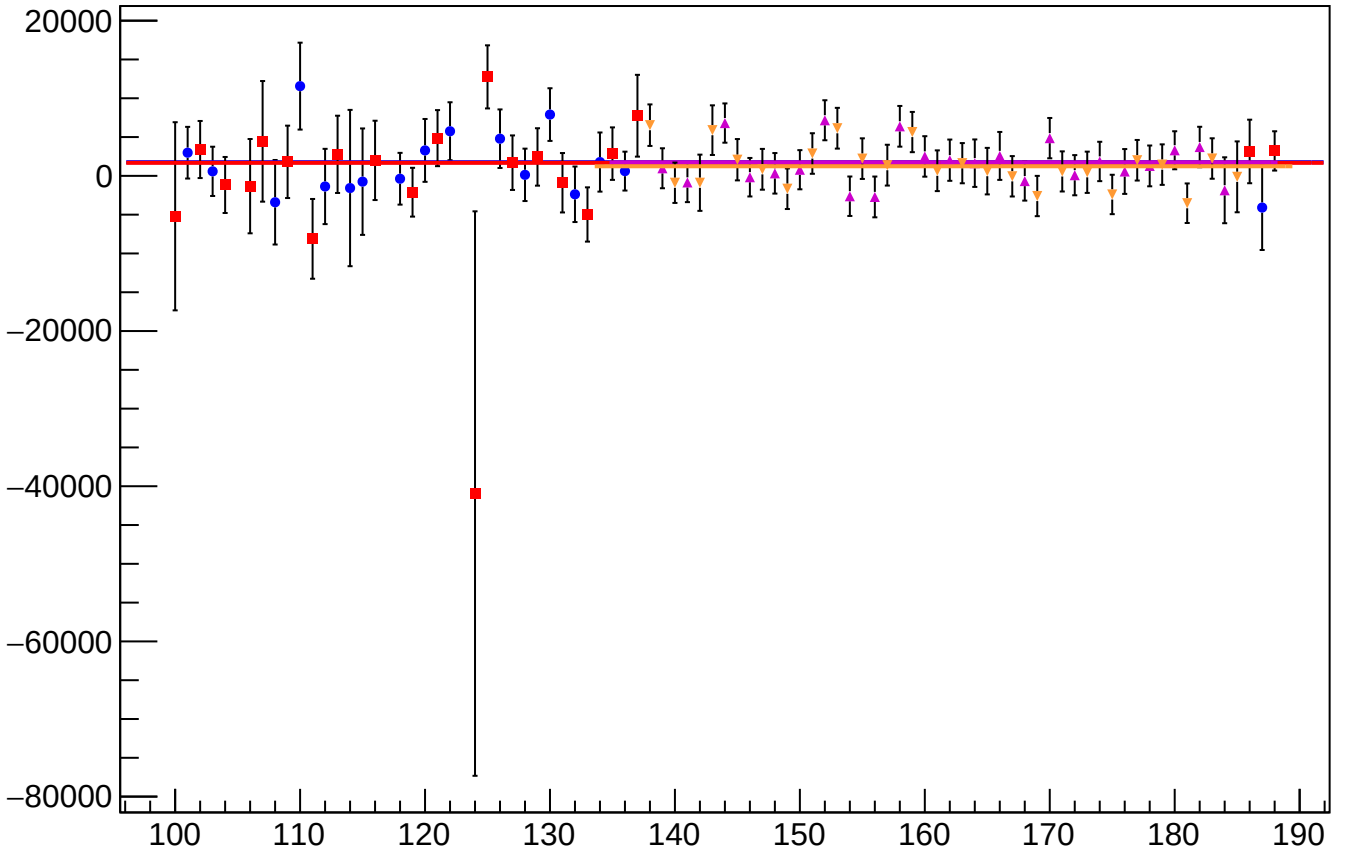
Left: 636.286+/-0.078 χ^2/NDF: 7454389.1/47

Right: 995.823+/-0.191 χ^2/NDF: 3791804.9/37

In: 683.427+/-0.104 χ^2/NDF:6999171.6/39

Out: 691.404+/-0.100 χ^2/NDF:7285818.3/45

All: 687.544+/-0.072 χ^2/NDF: 14288049.3/85



Right In: 1762.480+/-938.403 χ^2/NDF: 13.4/16

Left Out: 1234.706+/-541.289 χ^2/NDF:23.9/24

Right Out: 1680.104+/-896.115 χ^2/NDF: 22.3/20

Left In: 1741.784+/-553.254 χ^2/NDF:24.4/22

Left: 1482.702+/-386.910 χ^2/NDF: 48.7/47

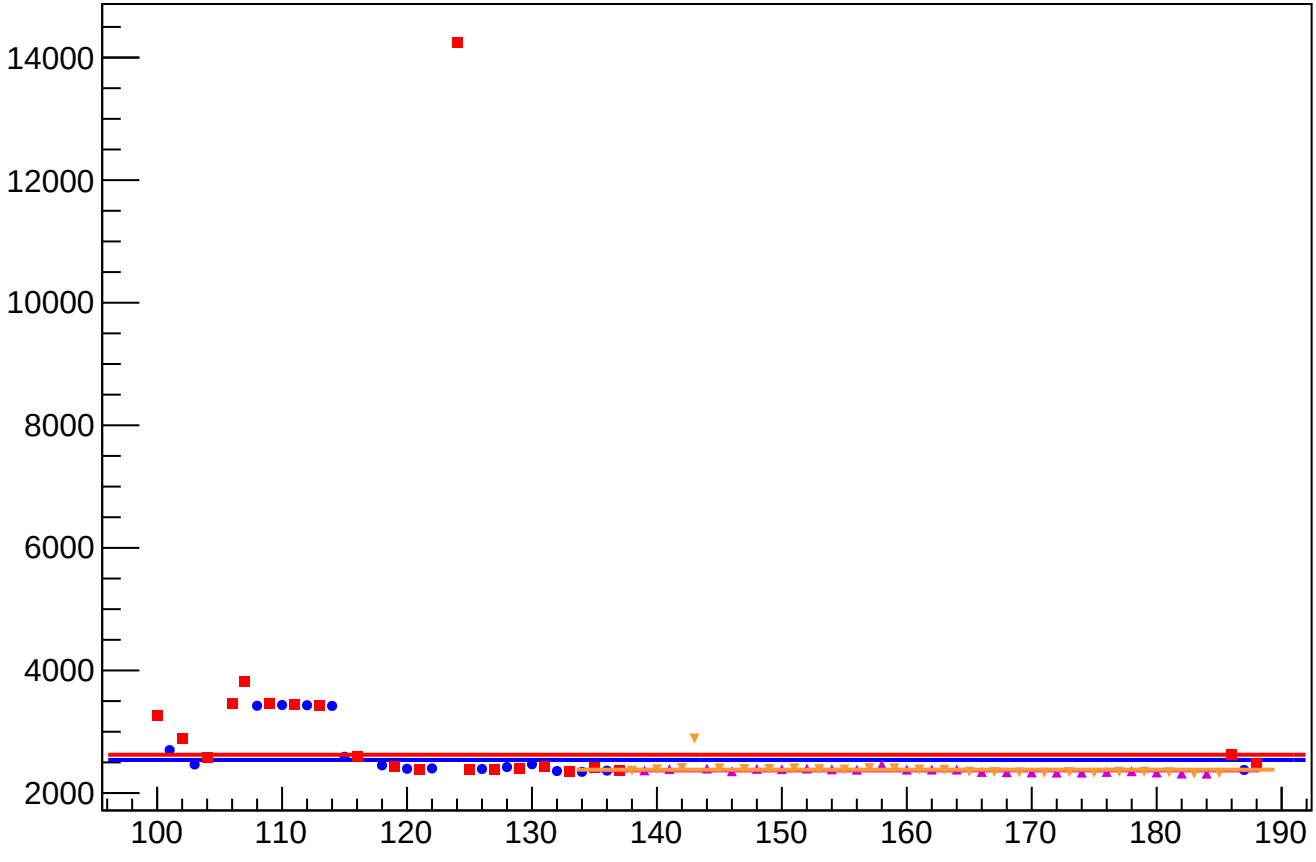
Right: 1719.394+/-648.084 χ^2/NDF: 35.7/37

In: 1747.122+/-476.591 χ^2/NDF:37.8/39

Out: 1353.772+/-463.324 χ^2/NDF:46.3/45

All: 1544.896+/-332.211 χ^2/NDF: 84.5/85

cor_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2539.464+/-0.664 χ^2/NDF: 227449.2/16

Left Out: 2381.235+/-0.383 χ^2/NDF:57623.2/24

Right Out: 2625.041+/-0.634 χ^2/NDF: 546886.4/20

Left In: 2369.384+/-0.391 χ^2/NDF:7034.0/22

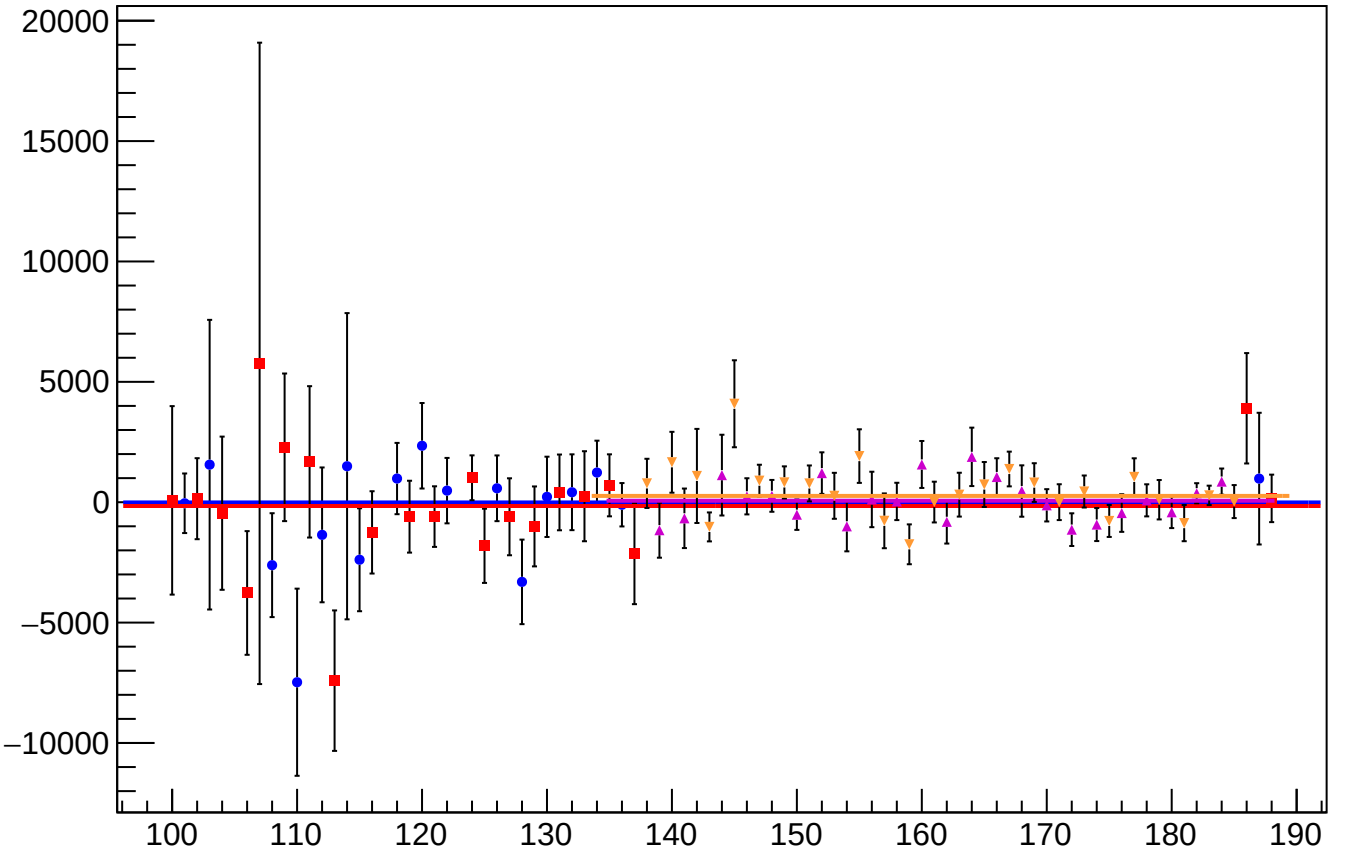
Left: 2375.439+/-0.274 χ^2/NDF: 65126.0/47

Right: 2584.224+/-0.458 χ^2/NDF: 783035.3/37

In: 2413.254+/-0.337 χ^2/NDF:283235.6/39

Out: 2446.411+/-0.328 χ^2/NDF:712977.4/45

All: 2430.300+/-0.235 χ^2/NDF: 1001189.8/85



Right In: -9.488+/-401.332 χ^2/NDF: 13.9/16

Left Out: 262.160+/-154.012 χ^2/NDF:31.1/24

Right Out: -156.940+/-365.404 χ^2/NDF: 17.8/20

Left In: 61.976+/-157.393 χ^2/NDF:22.0/22

Left: 164.242+/-110.079 χ^2/NDF: 53.9/47

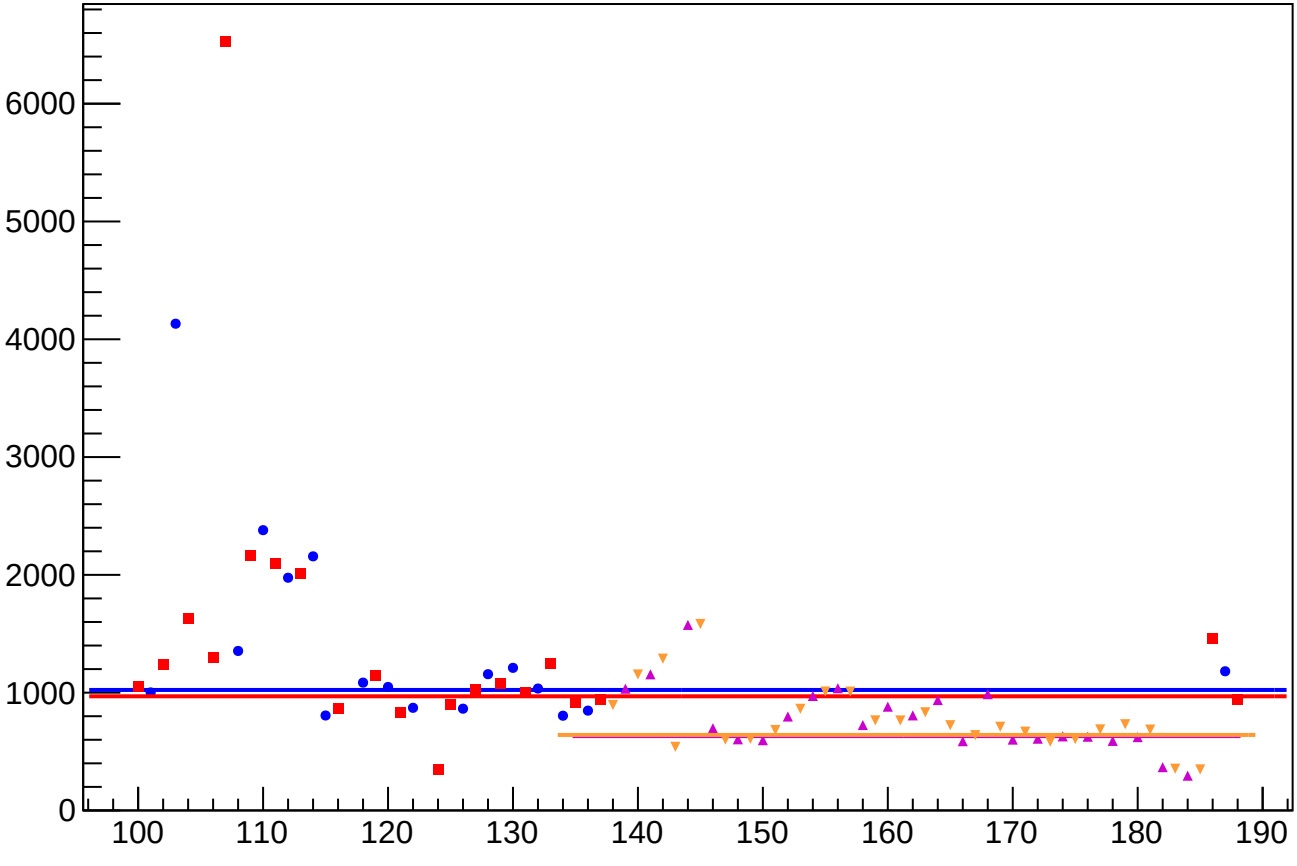
Right: -90.108+/-270.190 χ^2/NDF: 31.8/37

In: 52.450+/-146.528 χ^2/NDF:35.9/39

Out: 198.939+/-141.921 χ^2/NDF:50.0/45

All: 128.034+/-101.943 χ^2/NDF: 86.5/85

asym_atl1_cor_correction_rms vs Slug, Sign Corrected



Right In: 1023.002+/-0.284 χ^2/NDF: 1371607.2/16

Left Out: 641.169+/-0.109 χ^2/NDF:3474589.1/24

Right Out: 969.171+/-0.258 χ^2/NDF: 2439678.6/20

Left In: 631.196+/-0.111 χ^2/NDF:3975563.1/22

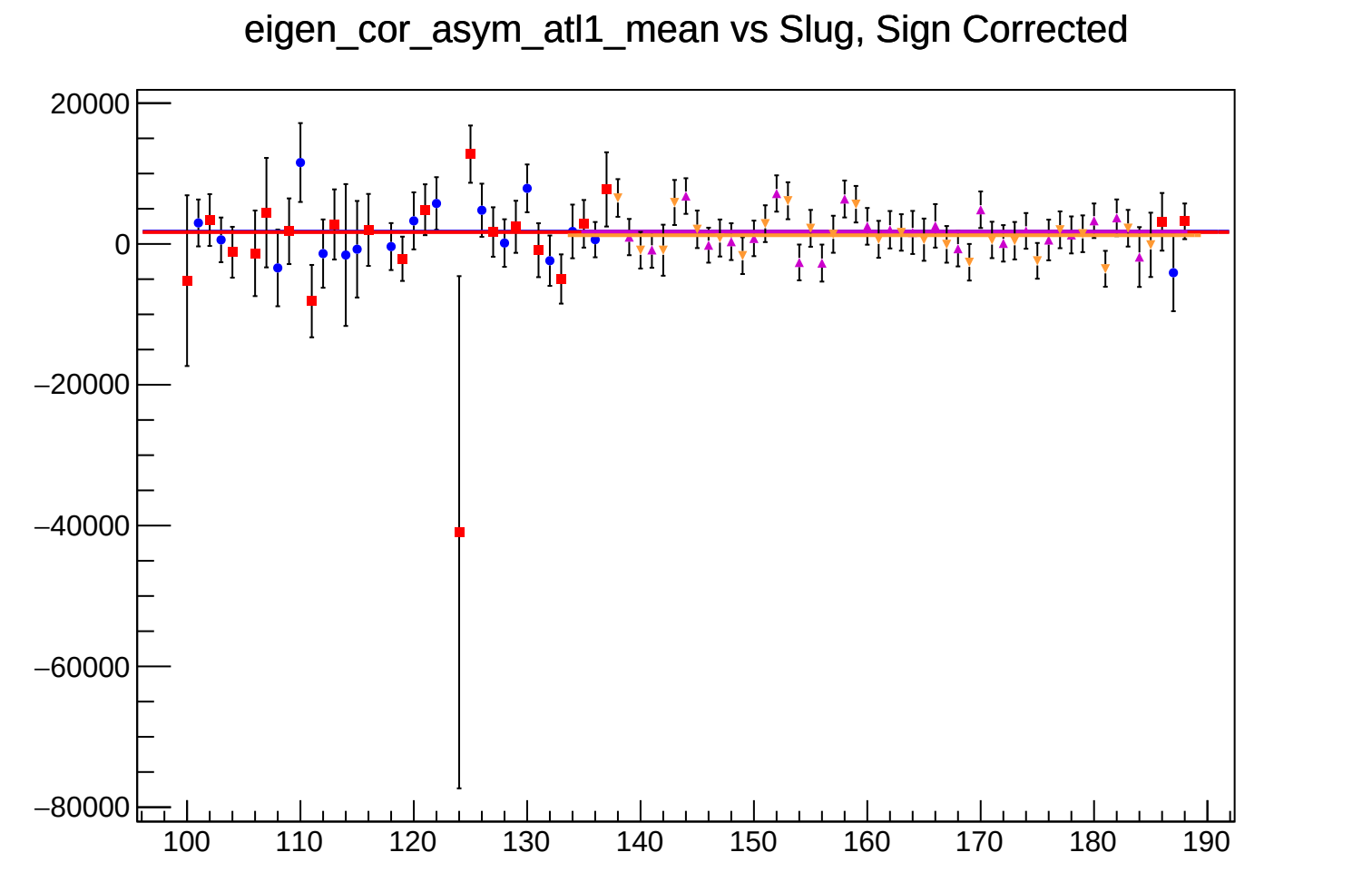
Left: 636.291+/-0.078 χ^2/NDF: 7454254.5/47

Right: 993.570+/-0.191 χ^2/NDF: 3830959.2/37

In: 683.424+/-0.104 χ^2/NDF:6999260.8/39

Out: 690.648+/-0.100 χ^2/NDF:7282690.6/45

All: 687.152+/-0.072 χ^2/NDF: 14284459.6/85



Right In: 1762.480+/-938.403 χ^2/NDF: 13.4/16

Left Out: 1234.706+/-541.289 χ^2/NDF:23.9/24

Right Out: 1680.104+/-896.115 χ^2/NDF: 22.3/20

Left In: 1741.784+/-553.254 χ^2/NDF:24.4/22

Left: 1482.702+/-386.910 χ^2/NDF: 48.7/47

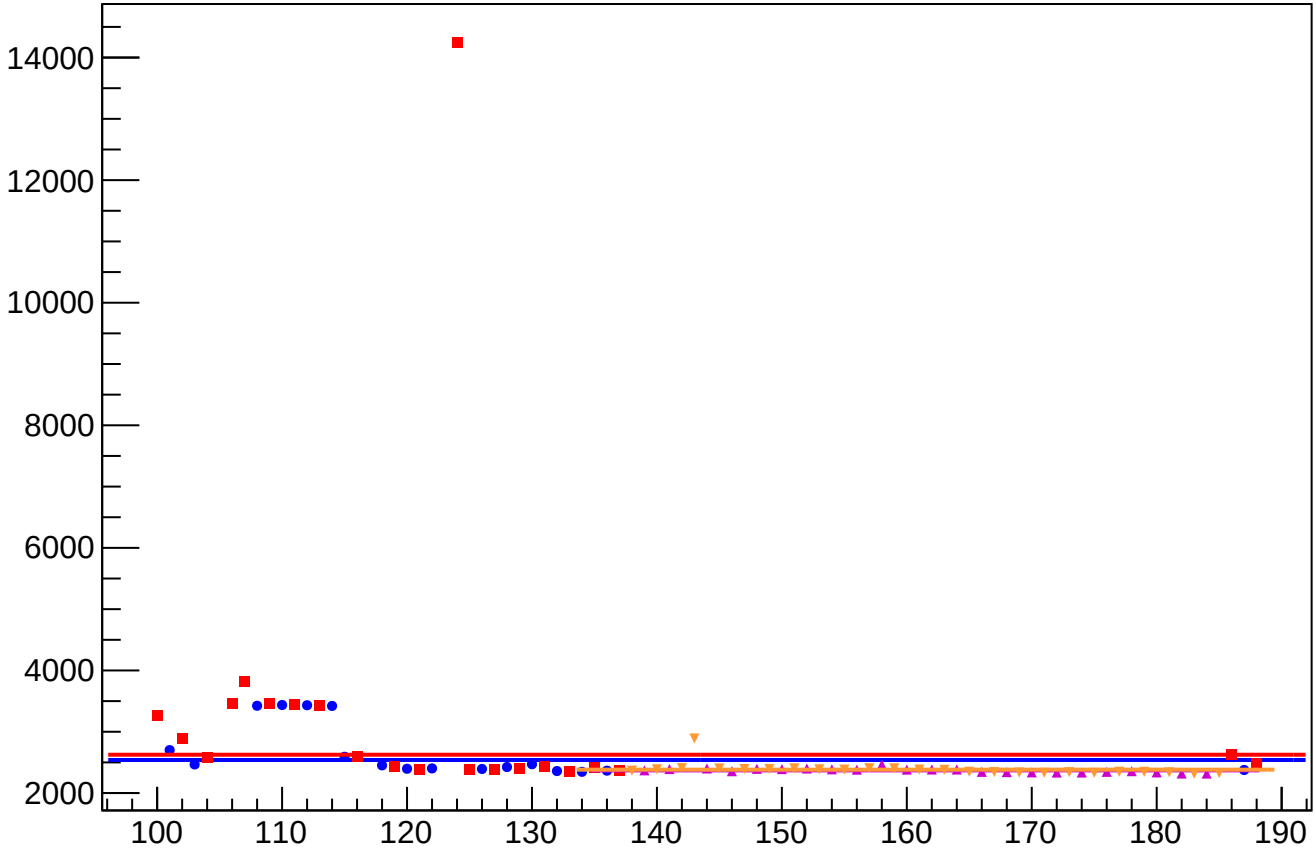
Right: 1719.394+/-648.084 χ^2/NDF: 35.7/37

In: 1747.122+/-476.591 χ^2/NDF:37.8/39

Out: 1353.772+/-463.324 χ^2/NDF:46.3/45

All: 1544.896+/-332.211 χ^2/NDF: 84.5/85

eigen_cor_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2539.464+/-0.664 χ^2/NDF: 227449.2/16

Left Out: 2381.235+/-0.383 χ^2/NDF:57623.2/24

Right Out: 2625.041+/-0.634 χ^2/NDF: 546886.4/20

Left In: 2369.384+/-0.391 χ^2/NDF:7034.0/22

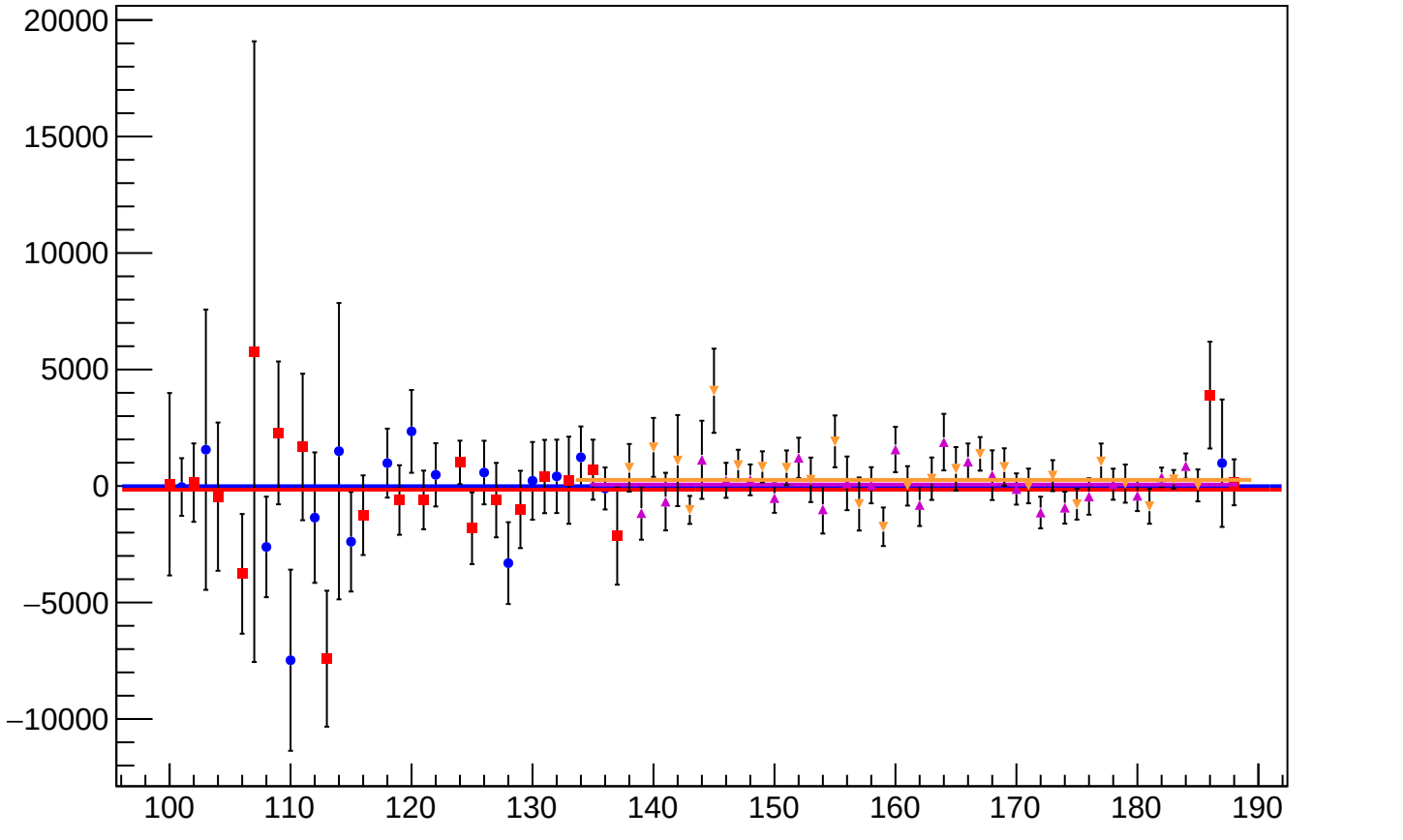
Left: 2375.439+/-0.274 χ^2/NDF: 65126.0/47

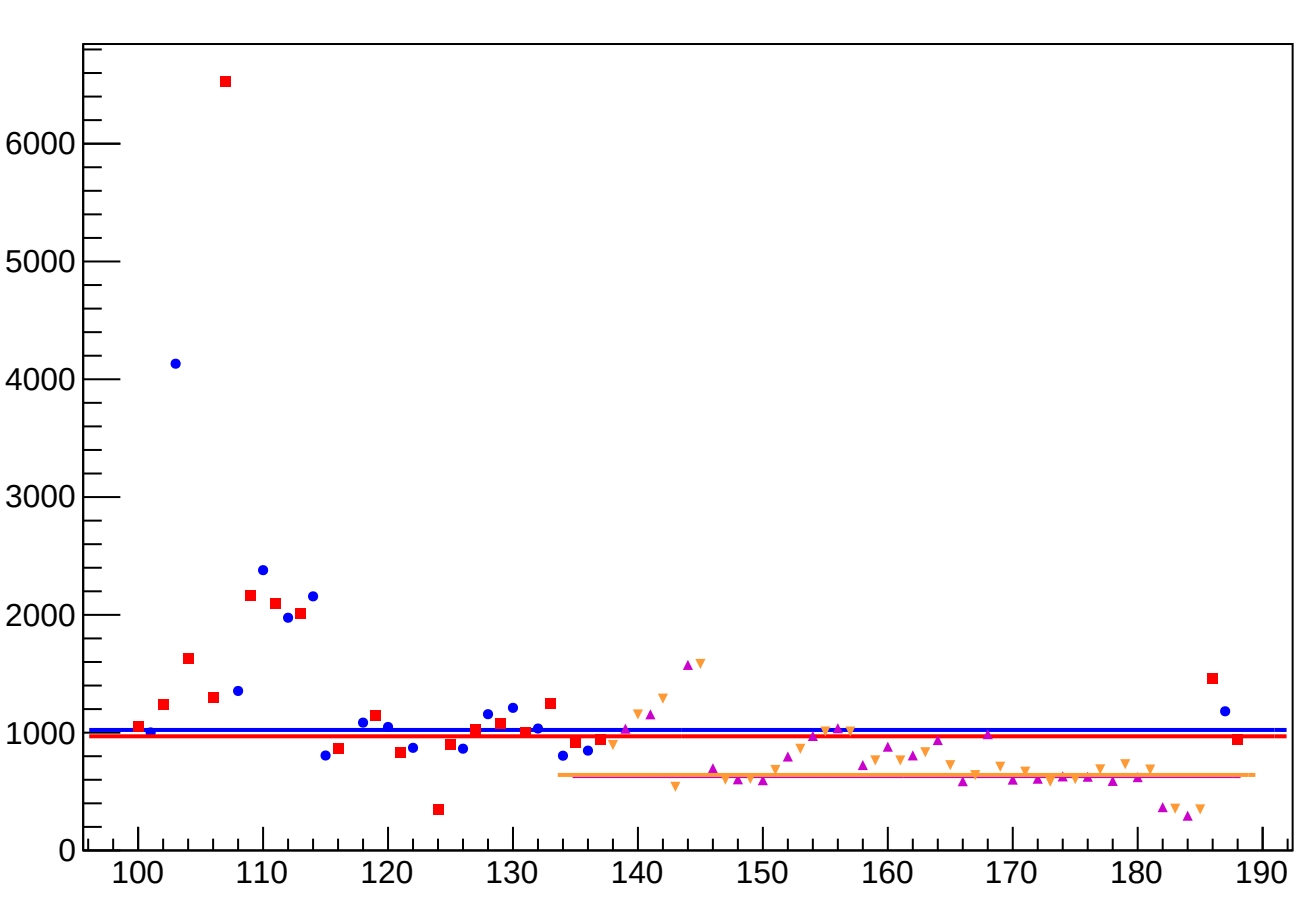
Right: 2584.224+/-0.458 χ^2/NDF: 783035.3/37

In: 2413.254+/-0.337 χ^2/NDF:283235.6/39

Out: 2446.411+/-0.328 χ^2/NDF:712977.4/45

All: 2430.300+/-0.235 χ^2/NDF: 1001189.8/85


asym_atl1_eigen_cor_correction_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
180
190
Right In: -9.488+/-401.332 χ²/NDF: 13.9/16
Left Out: 262.160+/-154.012 χ²/NDF:31.1/24
Right Out: -156.940+/-365.404 χ²/NDF: 17.8/20
Left In: 61.976+/-157.393 χ²/NDF:22.0/22
Left: 164.242+/-110.079 χ²/NDF: 53.9/47
Right: -90.108+/-270.190 χ²/NDF: 31.8/37
In: 52.450+/-146.528 χ²/NDF:35.9/39
Out: 198.939+/-141.921 χ²/NDF:50.0/45
All: 128.034+/-101.943 χ²/NDF: 86.5/85



Right In: 1023.002+/-0.284 χ^2/NDF: 1371607.2/16

Left Out: 641.169+/-0.109 χ^2/NDF:3474589.1/24

Right Out: 969.171+/-0.258 χ^2/NDF: 2439678.6/20

Left In: 631.196+/-0.111 χ^2/NDF:3975563.1/22

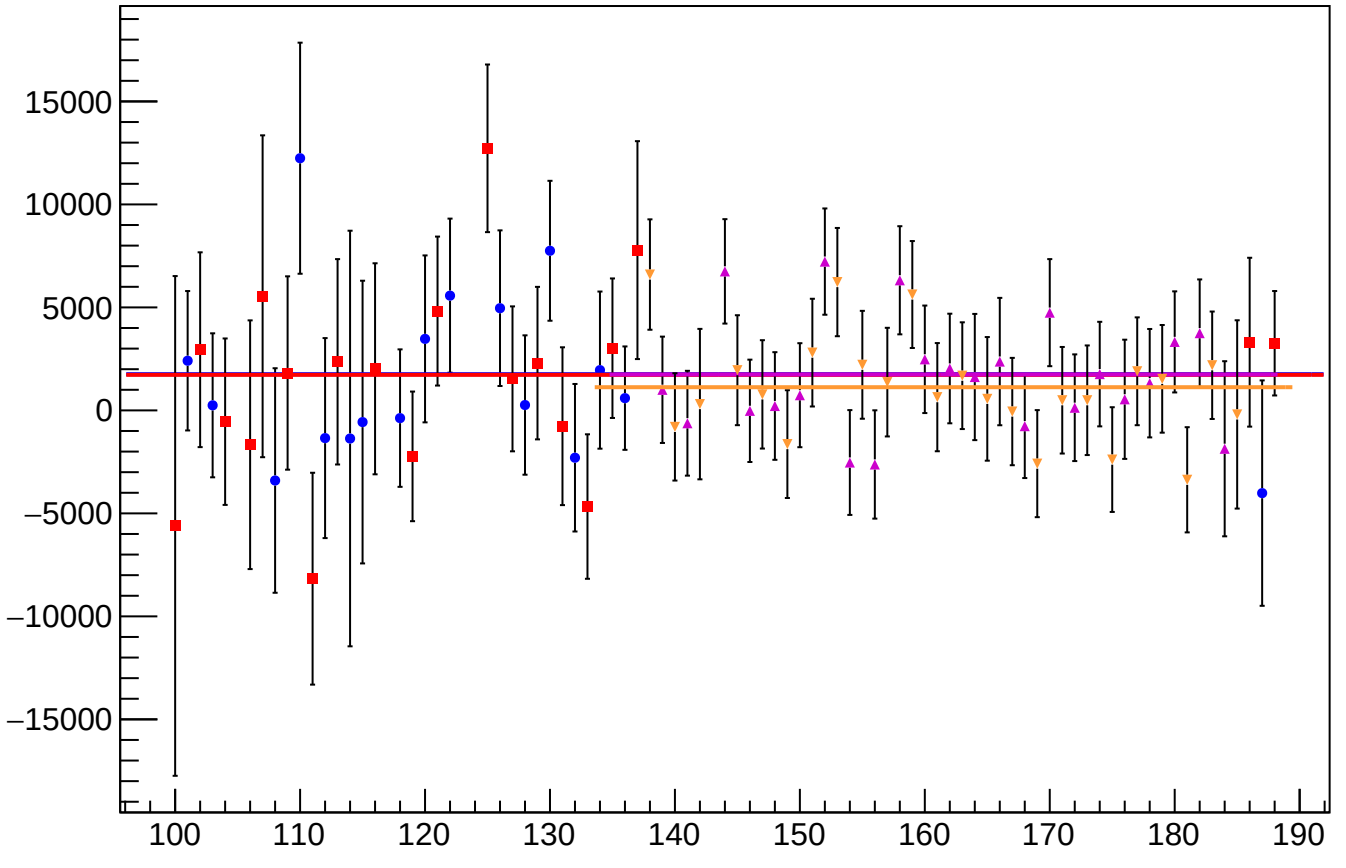
Left: 636.291+/-0.078 χ^2/NDF: 7454254.5/47

Right: 993.570+/-0.191 χ^2/NDF: 3830959.2/37

In: 683.424+/-0.104 χ^2/NDF:6999260.8/39

Out: 690.648+/-0.100 χ^2/NDF:7282690.6/45

All: 687.152+/-0.072 χ^2/NDF: 14284459.6/85



Right In: 1757.397+/-947.775 χ^2/NDF: 13.5/16

Left Out: 1125.562+/-549.834 χ^2/NDF:21.2/23

Right Out: 1726.500+/-913.960 χ^2/NDF: 20.4/19

Left In: 1742.304+/-553.755 χ^2/NDF:23.8/22

Left: 1431.742+/-390.170 χ^2/NDF: 45.6/46

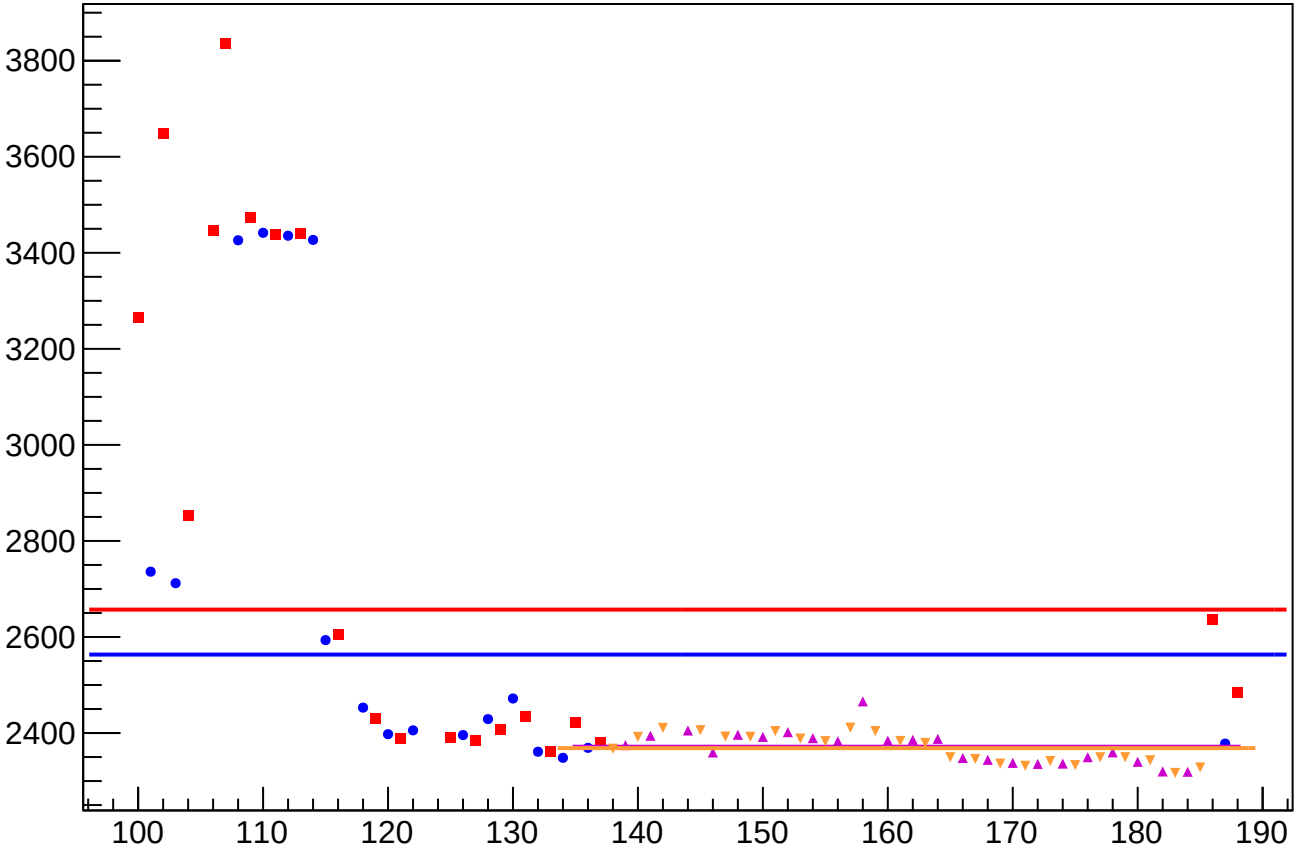
Right: 1741.388+/-657.897 χ^2/NDF: 33.9/36

In: 1746.145+/-478.127 χ^2/NDF:37.3/39

Out: 1285.256+/-471.147 χ^2/NDF:41.9/43

All: 1512.312+/-335.592 χ^2/NDF: 79.6/83

dit_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2563.394+/-0.670 χ^2/NDF: 231855.6/16

Left Out: 2368.569+/-0.389 χ^2/NDF:5571.3/23

Right Out: 2657.005+/-0.646 χ^2/NDF: 430268.7/19

Left In: 2371.518+/-0.392 χ^2/NDF:7053.5/22

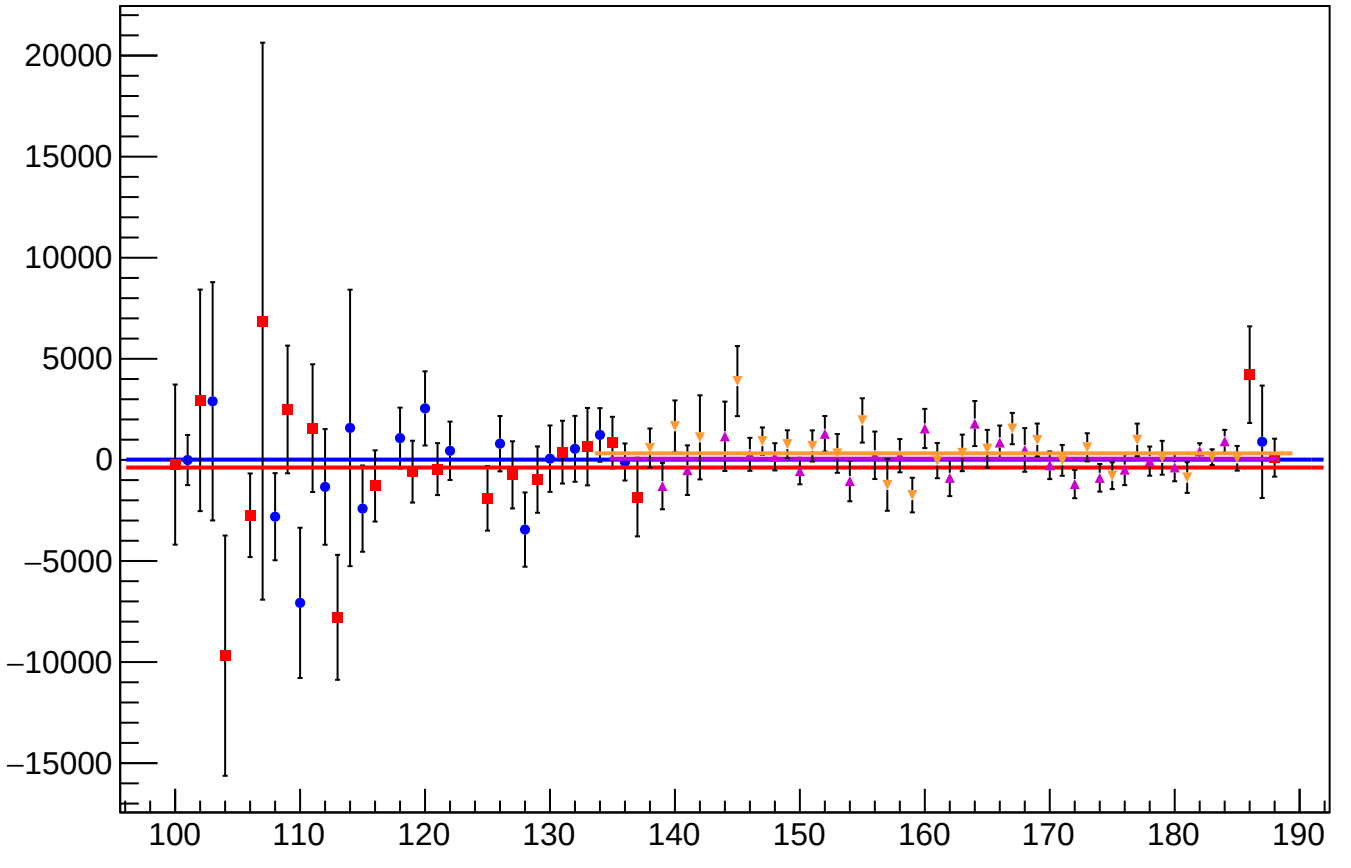
Left: 2370.033+/-0.276 χ^2/NDF: 12653.4/46

Right: 2611.899+/-0.465 χ^2/NDF: 672233.9/36

In: 2420.349+/-0.338 χ^2/NDF:300019.1/39

Out: 2445.218+/-0.333 χ^2/NDF:582099.5/43

All: 2432.967+/-0.237 χ^2/NDF: 884863.8/83



Right In: 14.204+/-407.792 χ^2/NDF: 14.6/16

Left Out: 325.955+/-160.041 χ^2/NDF:26.8/23

Right Out: -378.031+/-407.422 χ^2/NDF: 18.7/19

Left In: 59.619+/-159.669 χ^2/NDF:22.7/22

Left: 192.477+/-113.035 χ^2/NDF: 50.9/46

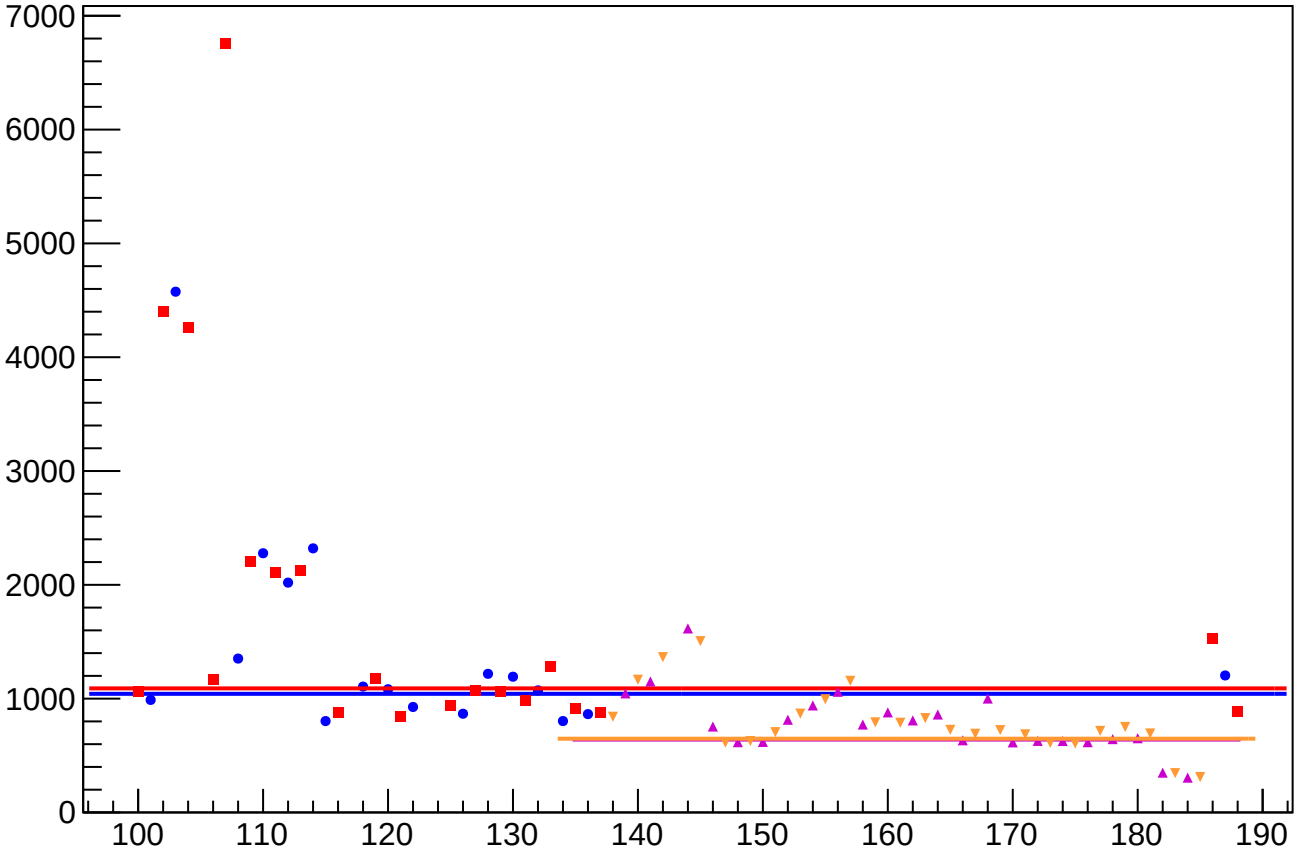
Right: -182.091+/-288.222 χ^2/NDF: 33.8/36

In: 53.582+/-148.679 χ^2/NDF:37.3/39

Out: 231.849+/-148.961 χ^2/NDF:48.1/43

All: 142.546+/-105.231 χ^2/NDF: 86.1/83

asym_atl1_dit_correction_rms vs Slug, Sign Corrected



Right In: 1042.351+/-0.288 χ^2/NDF: 1546620.4/16

Left Out: 648.100+/-0.113 χ^2/NDF:3886991.8/23

Right Out: 1090.091+/-0.288 χ^2/NDF: 2708204.5/19

Left In: 640.422+/-0.113 χ^2/NDF:4128760.4/22

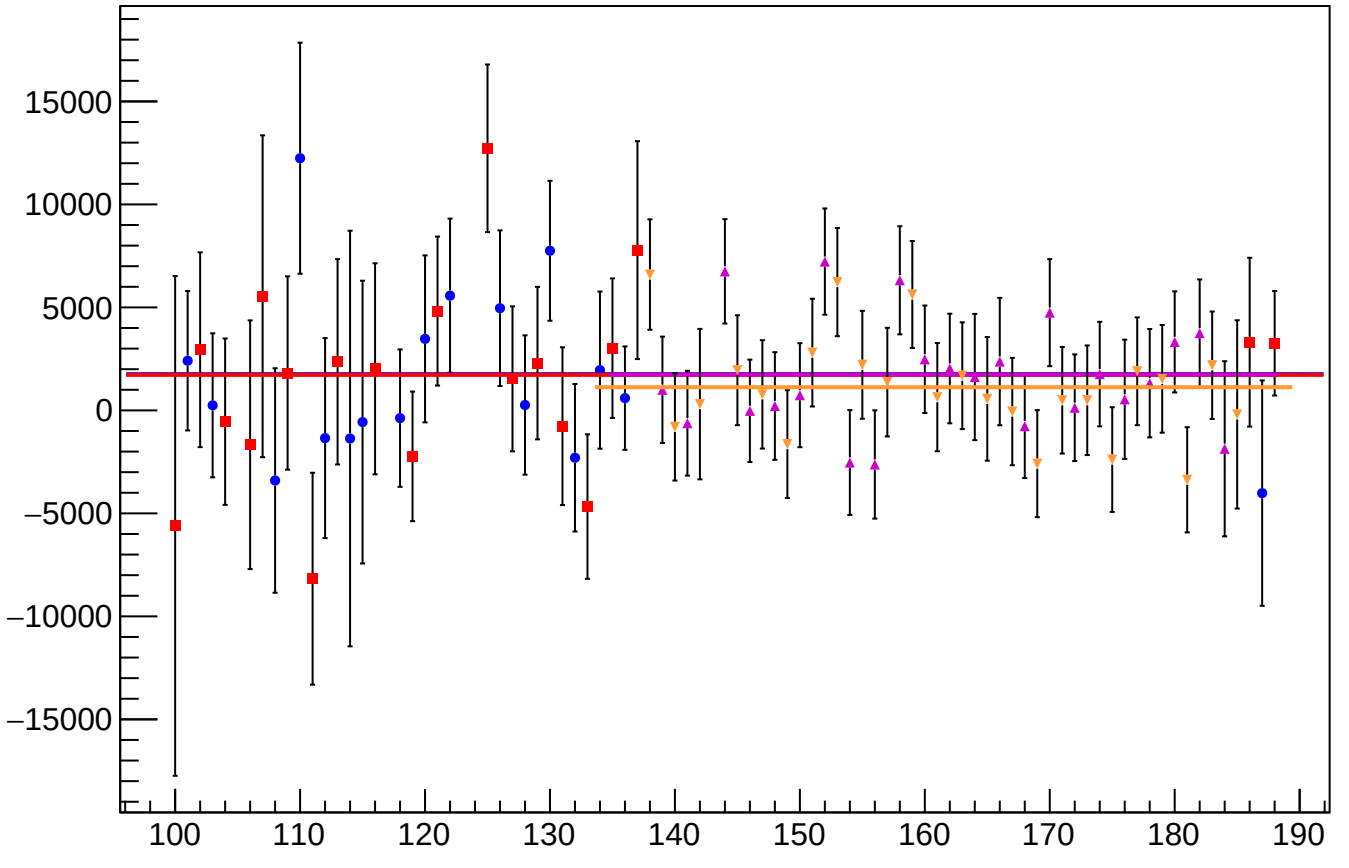
Left: 644.252+/-0.080 χ^2/NDF: 8018059.4/46

Right: 1066.243+/-0.204 χ^2/NDF: 4268543.1/36

In: 693.850+/-0.105 χ^2/NDF:7360015.5/39

Out: 707.184+/-0.105 χ^2/NDF:8634337.7/43

All: 700.504+/-0.074 χ^2/NDF: 16002381.1/83



Right In: 1757.394+/-947.775 χ^2/NDF: 13.5/16

Left Out: 1125.562+/-549.834 χ^2/NDF:21.2/23

Right Out: 1726.498+/-913.960 χ^2/NDF: 20.4/19

Left In: 1742.305+/-553.755 χ^2/NDF:23.8/22

Left: 1431.742+/-390.170 χ^2/NDF: 45.6/46

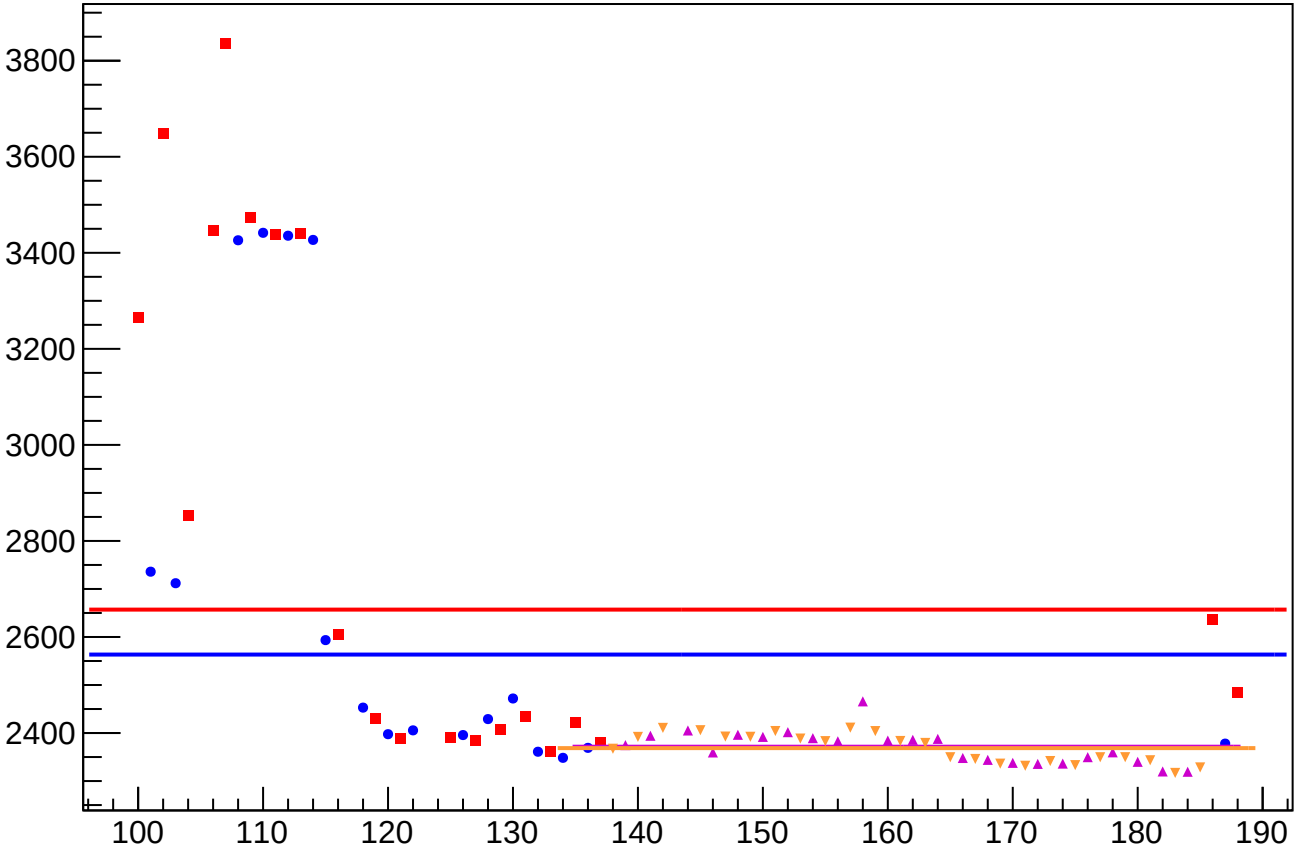
Right: 1741.385+/-657.897 χ^2/NDF: 33.9/36

In: 1746.145+/-478.127 χ^2/NDF:37.3/39

Out: 1285.255+/-471.147 χ^2/NDF:41.9/43

All: 1512.311+/-335.592 χ^2/NDF: 79.6/83

eigen_dit_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2563.394+/-0.670 χ^2/NDF: 231855.4/16

Left Out: 2368.569+/-0.389 χ^2/NDF:5571.3/23

Right Out: 2657.005+/-0.646 χ^2/NDF: 430268.1/19

Left In: 2371.518+/-0.392 χ^2/NDF:7053.5/22

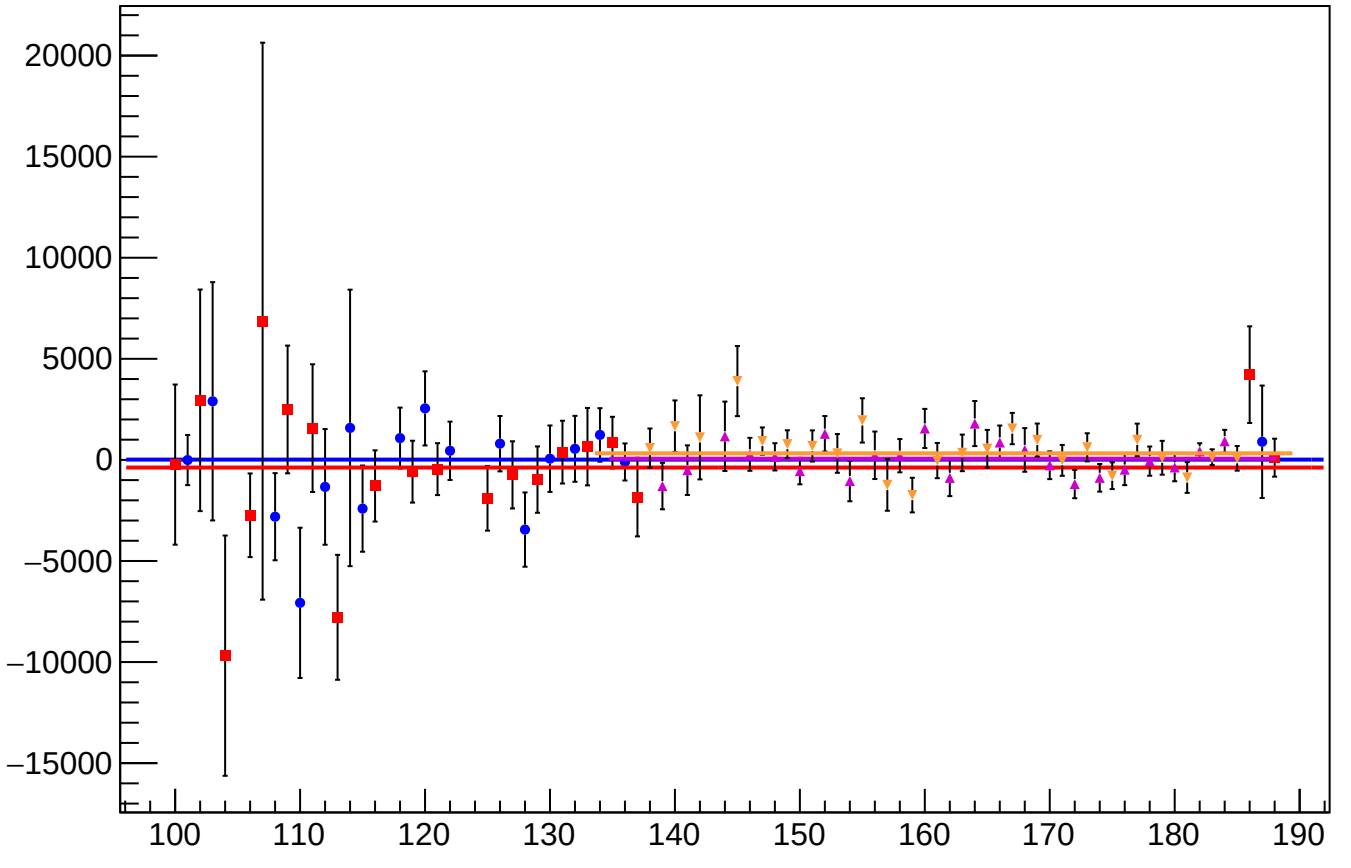
Left: 2370.033+/-0.276 χ^2/NDF: 12653.4/46

Right: 2611.899+/-0.465 χ^2/NDF: 672233.1/36

In: 2420.349+/-0.338 χ^2/NDF:300018.7/39

Out: 2445.218+/-0.333 χ^2/NDF:582098.5/43

All: 2432.966+/-0.237 χ^2/NDF: 884862.3/83



Right In: 14.202+/-407.792 χ^2/NDF: 14.6/16

Left Out: 325.955+/-160.042 χ^2/NDF:26.8/23

Right Out: -378.031+/-407.422 χ^2/NDF: 18.7/19

Left In: 59.619+/-159.670 χ^2/NDF:22.7/22

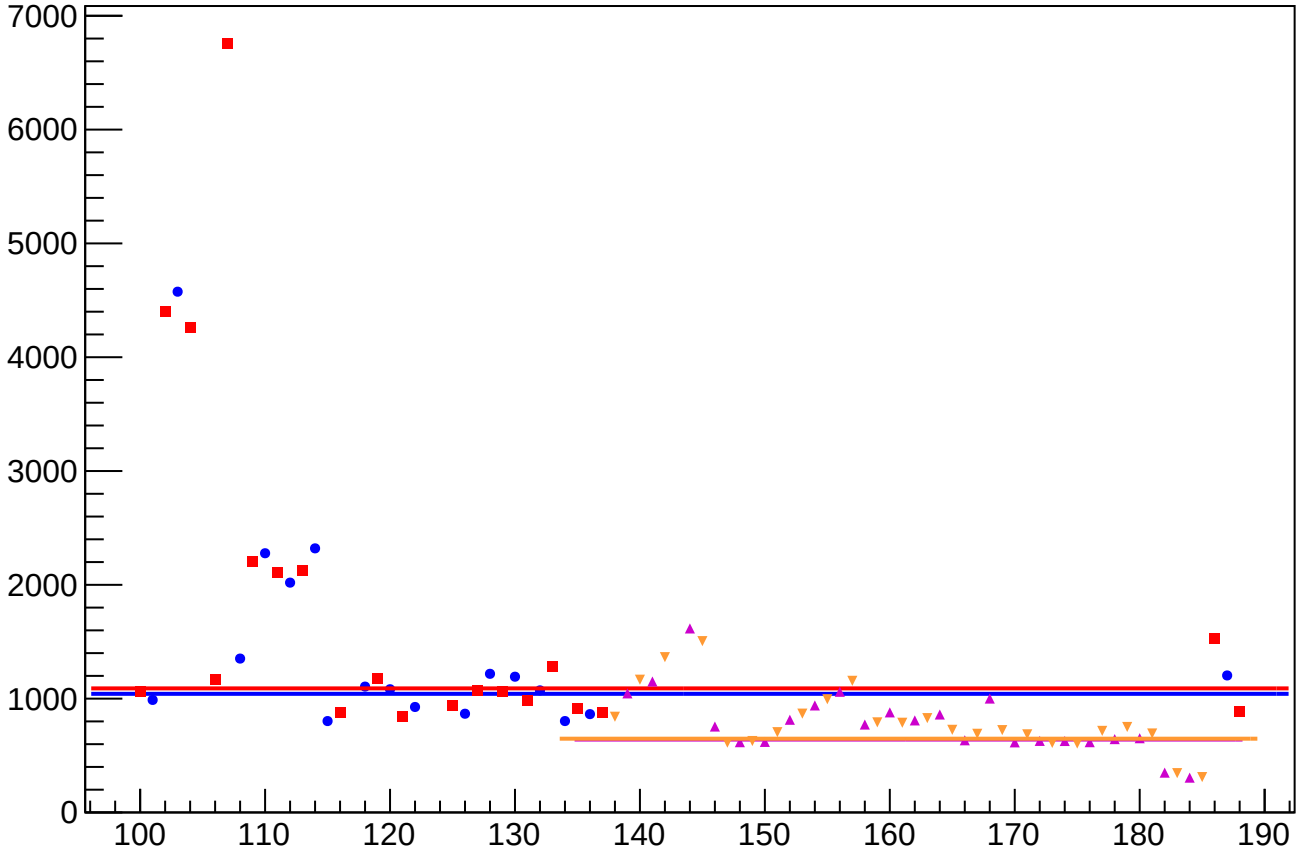
Left: 192.477+/-113.035 χ^2/NDF: 50.9/46

Right: -182.092+/-288.222 χ^2/NDF: 33.8/36

In: 53.582+/-148.679 χ^2/NDF:37.3/39

Out: 231.848+/-148.961 χ^2/NDF:48.1/43

All: 142.546+/-105.231 χ^2/NDF: 86.1/83



Right In: 1042.351+/-0.288 χ^2/NDF: 1546613.8/16

Left Out: 648.101+/-0.113 χ^2/NDF:3887001.9/23

Right Out: 1090.091+/-0.288 χ^2/NDF: 2708203.9/19

Left In: 640.423+/-0.113 χ^2/NDF:4128774.2/22

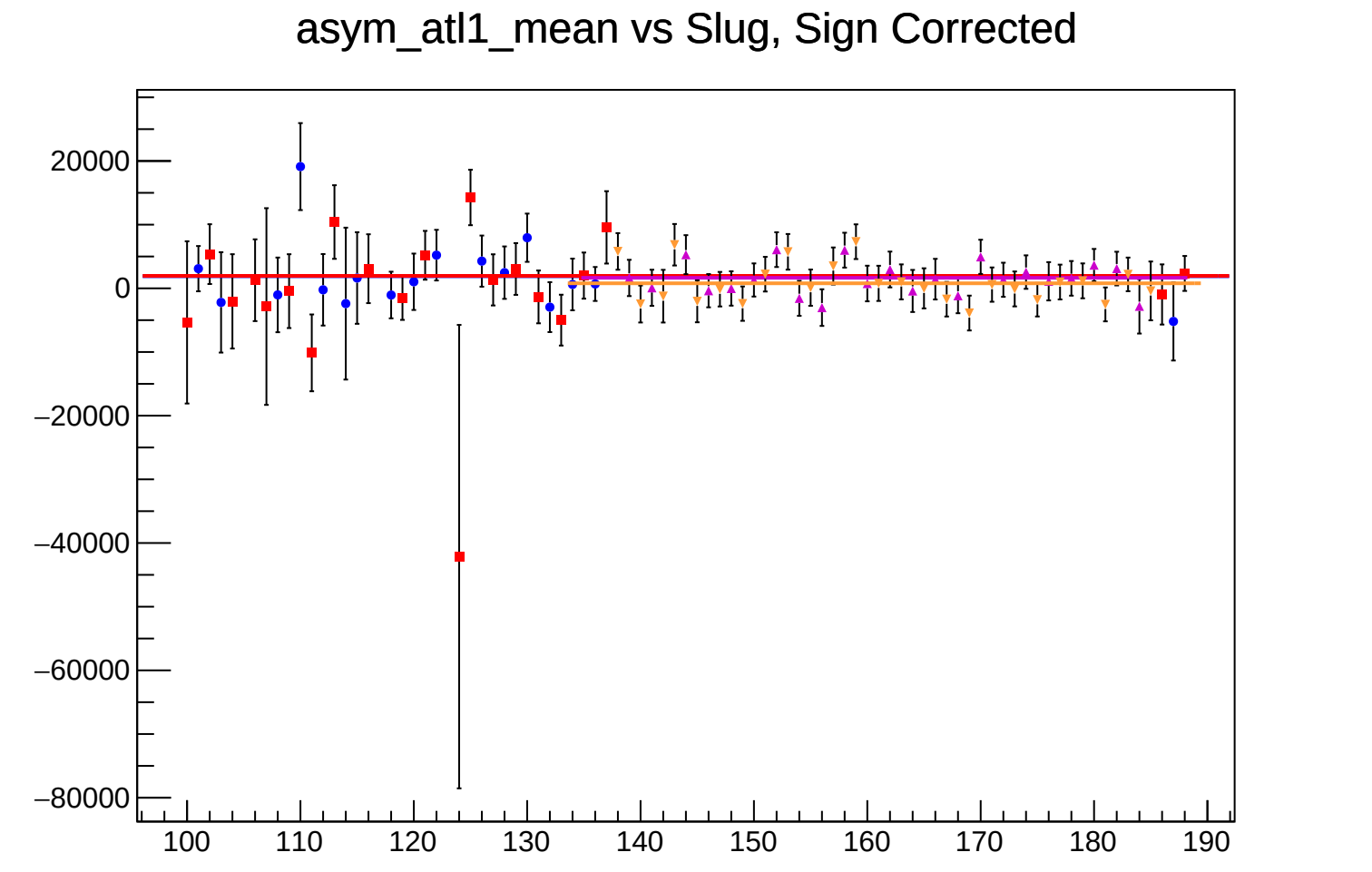
Left: 644.253+/-0.080 χ^2/NDF: 8018083.4/46

Right: 1066.243+/-0.204 χ^2/NDF: 4268535.3/36

In: 693.851+/-0.105 χ^2/NDF:7360020.2/39

Out: 707.185+/-0.105 χ^2/NDF:8634336.3/43

All: 700.505+/-0.074 χ^2/NDF: 16002384.5/83



Right In: 1900.322+/-1068.151 χ^2/NDF: 14.7/16

Left Out: 791.438+/-573.266 χ^2/NDF:27.1/24

Right Out: 1956.273+/-1025.299 χ^2/NDF: 24.7/20

Left In: 1654.626+/-586.767 χ^2/NDF:17.3/22

Left: 1212.987+/-410.050 χ^2/NDF: 45.6/47

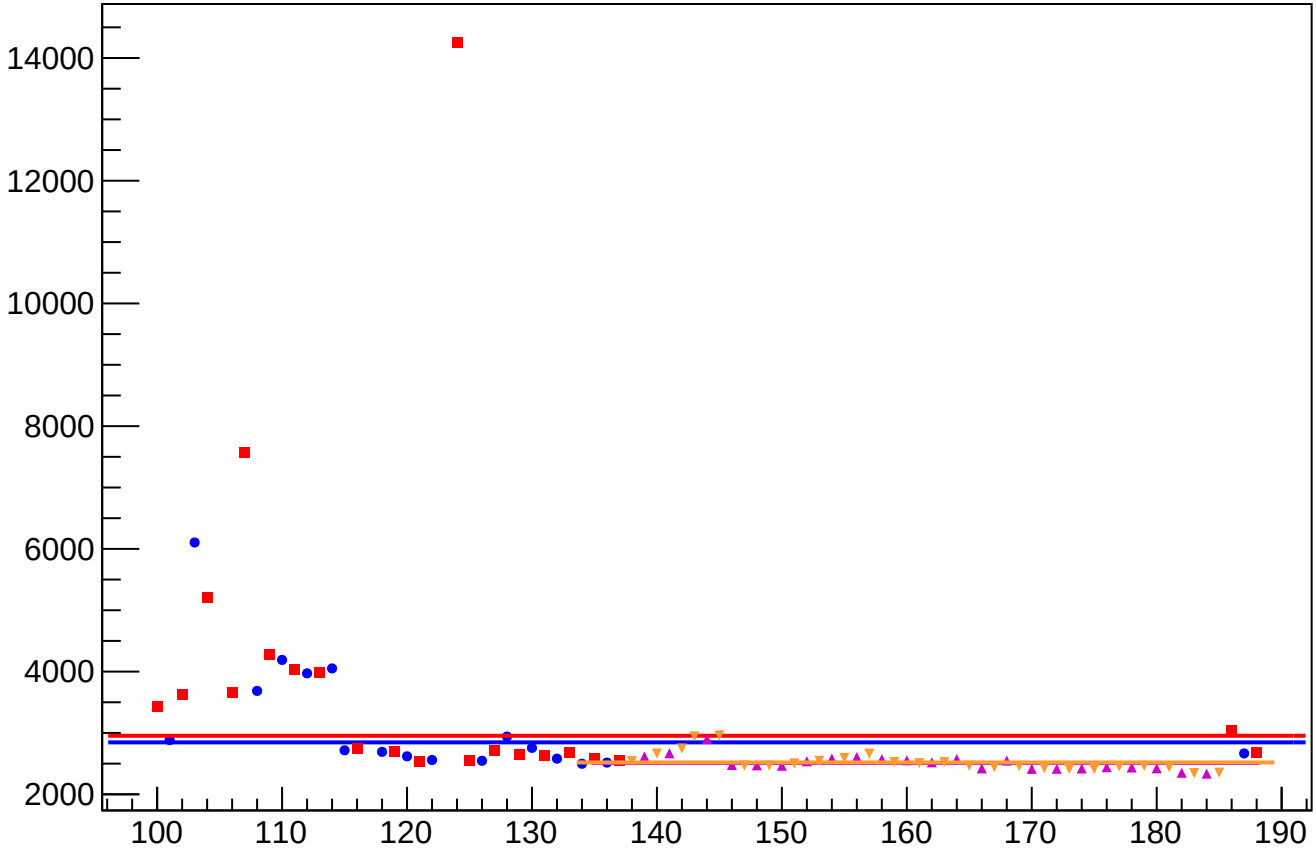
Right: 1929.442+/-739.681 χ^2/NDF: 39.5/37

In: 1711.581+/-514.280 χ^2/NDF:32.1/39

Out: 1068.858+/-500.366 χ^2/NDF:52.8/45

All: 1381.407+/-358.630 χ^2/NDF: 85.8/85

asym_atl1_rms vs Slug, Sign Corrected



Right In: 2846.576+/-0.755 χ^2/NDF: 650494.1/16

Left Out: 2519.516+/-0.405 χ^2/NDF:115204.3/24

Right Out: 2954.428+/-0.725 χ^2/NDF: 1001501.1/20

Left In: 2510.156+/-0.415 χ^2/NDF:73771.4/22

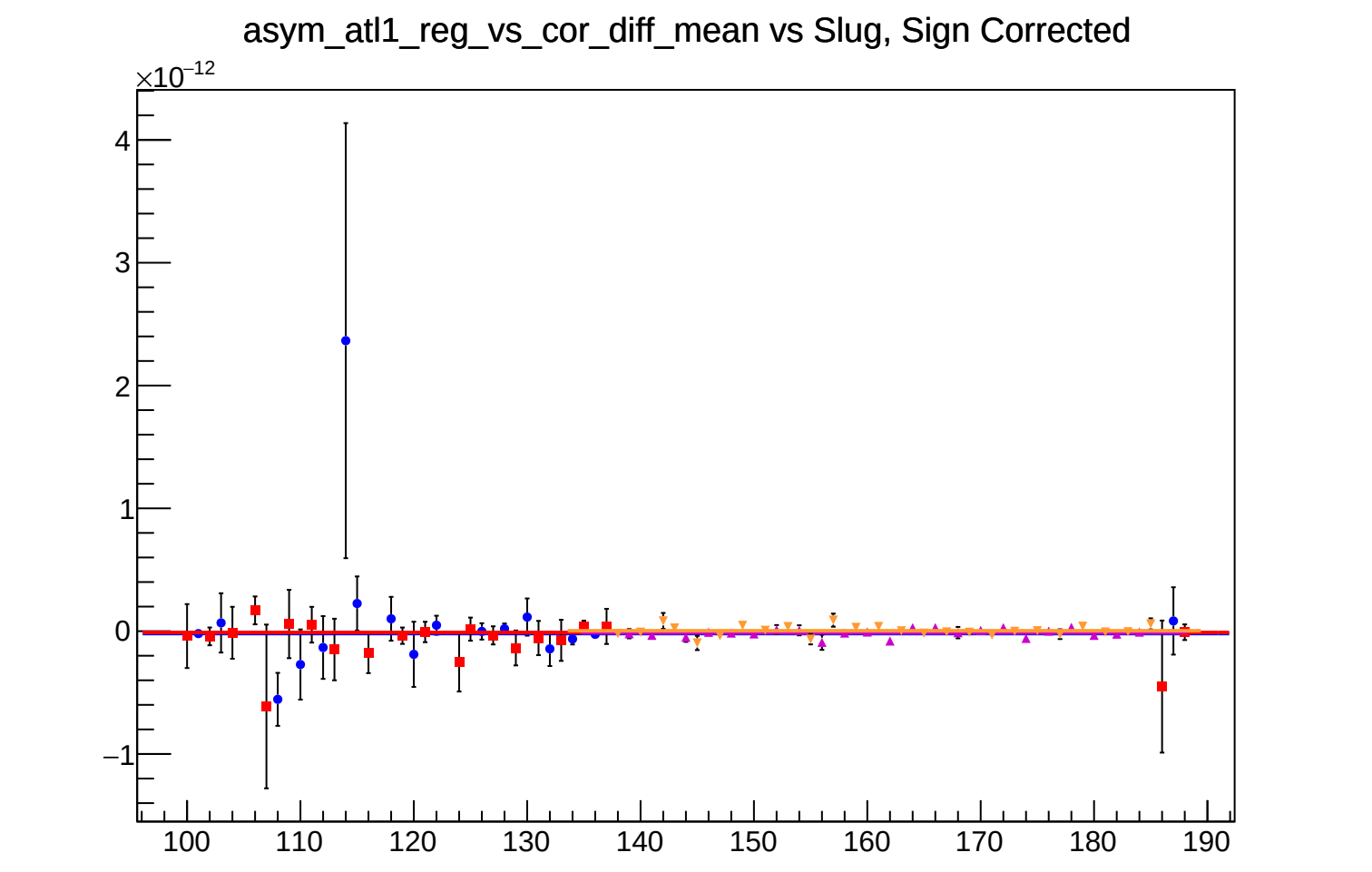
Left: 2514.945+/-0.290 χ^2/NDF: 189236.0/47

Right: 2902.709+/-0.523 χ^2/NDF: 1662607.4/37

In: 2588.142+/-0.364 χ^2/NDF:876670.2/39

Out: 2623.095+/-0.354 χ^2/NDF:1390859.6/45

All: 2606.098+/-0.254 χ^2/NDF: 2272275.8/85



Right In: -0.000+/-0.000 χ^2/NDF: 15.6/16

Left Out: 0.000+/-0.000 χ^2/NDF:28.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 9.0/20

Left In: -0.000+/-0.000 χ^2/NDF:32.3/22

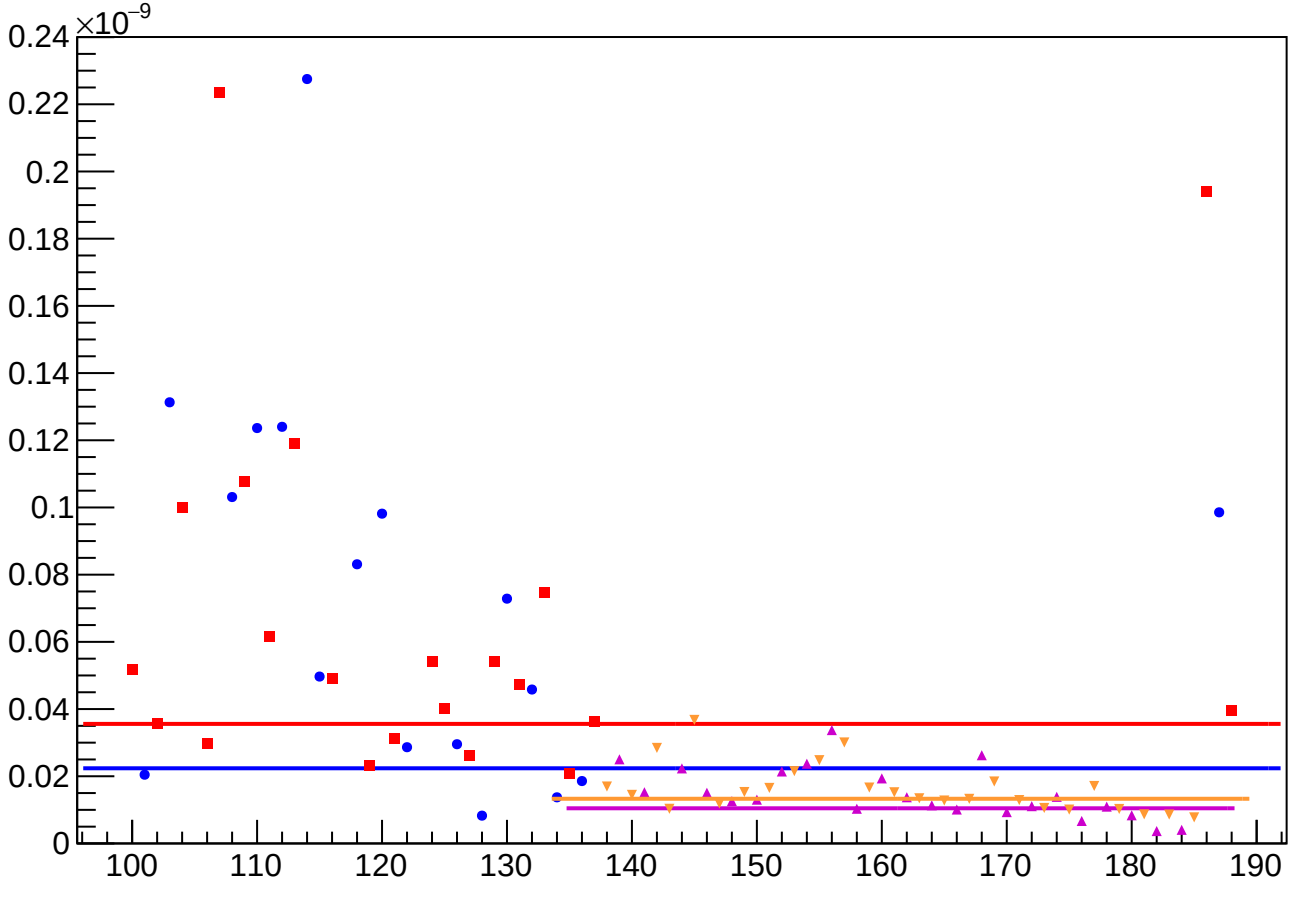
Left: -0.000+/-0.000 χ^2/NDF: 66.1/47

Right: -0.000+/-0.000 χ^2/NDF: 24.6/37

In: -0.000+/-0.000 χ^2/NDF:47.9/39

Out: 0.000+/-0.000 χ^2/NDF:38.1/45

All: -0.000+/-0.000 χ^2/NDF: 91.3/85



Right In: 0.000+/-0.000 χ^2/NDF: 2499075.1/16

Left Out: 0.000+/-0.000 χ^2/NDF:1472019.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 1428318.6/20

Left In: 0.000+/-0.000 χ^2/NDF:2813965.8/22

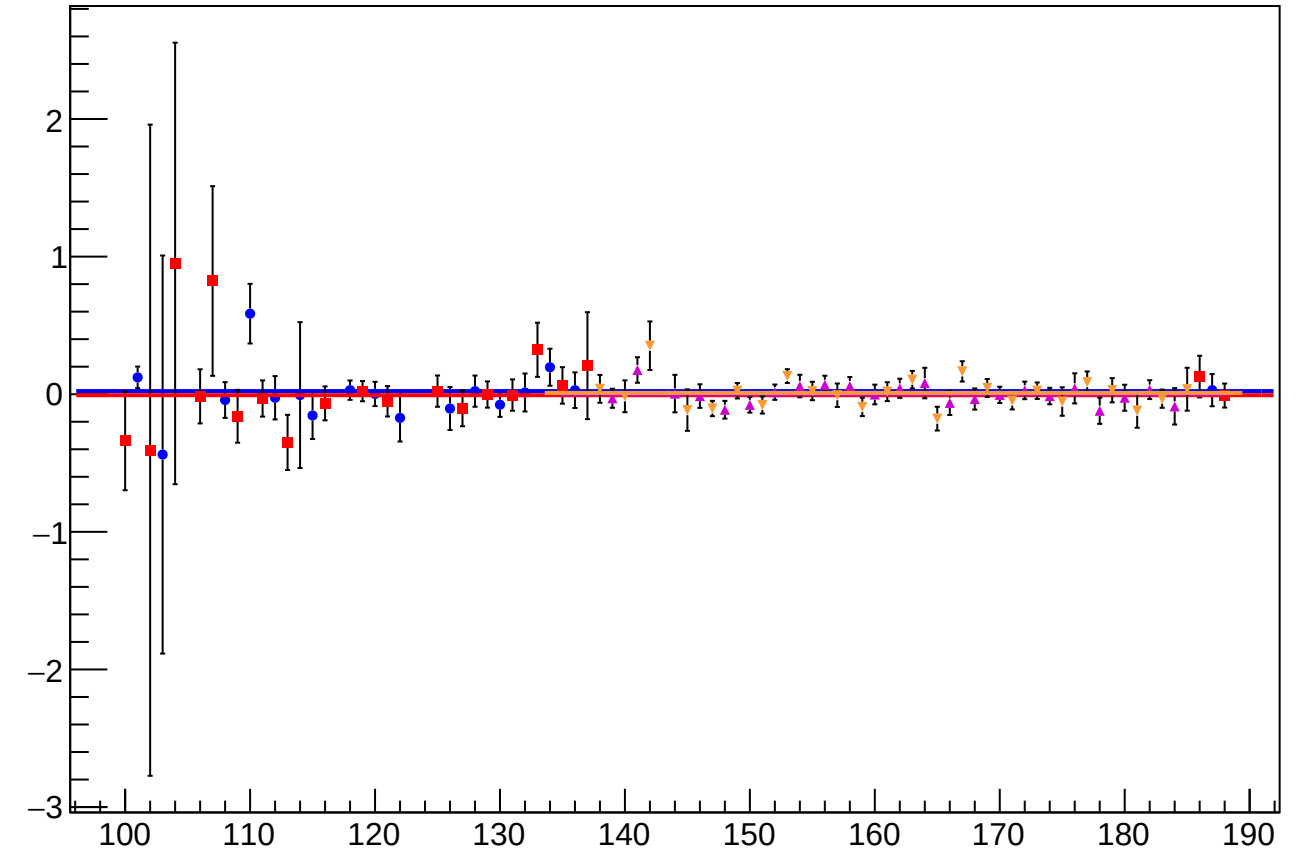
Left: 0.000+/-0.000 χ^2/NDF: 4603369.9/47

Right: 0.000+/-0.000 χ^2/NDF: 4357205.4/37

In: 0.000+/-0.000 χ^2/NDF:6211701.3/39

Out: 0.000+/-0.000 χ^2/NDF:4715427.1/45

All: 0.000+/-0.000 χ^2/NDF: 11328990.4/85



Right In: 0.023+/-0.029 χ^2/NDF: 14.8/16

Left Out: 0.009+/-0.015 χ^2/NDF:34.7/23

Right Out: -0.007+/-0.031 χ^2/NDF: 11.7/19

Left In: -0.001+/-0.015 χ^2/NDF:15.6/22

Left: 0.004+/-0.011 χ^2/NDF: 50.5/46

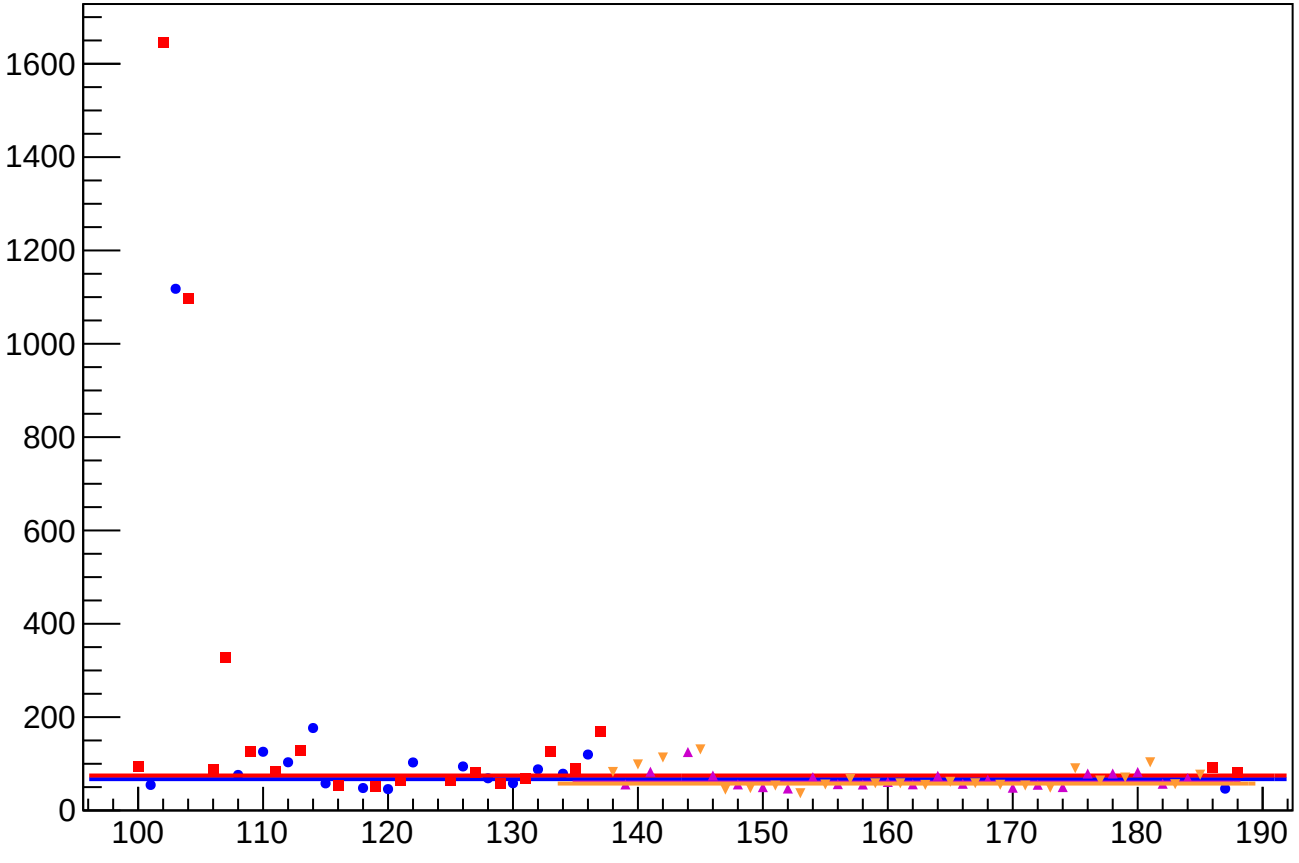
Right: 0.008+/-0.021 χ^2/NDF: 27.0/36

In: 0.004+/-0.014 χ^2/NDF:30.9/39

Out: 0.006+/-0.014 χ^2/NDF:46.6/43

All: 0.005+/-0.010 χ^2/NDF: 77.5/83

asym_atl1_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 67.083+/-0.021 χ^2/NDF: 2342403.1/16

Left Out: 57.606+/-0.011 χ^2/NDF:2213142.2/23

Right Out: 74.881+/-0.022 χ^2/NDF: 2957815.7/19

Left In: 59.828+/-0.011 χ^2/NDF:1340700.1/22

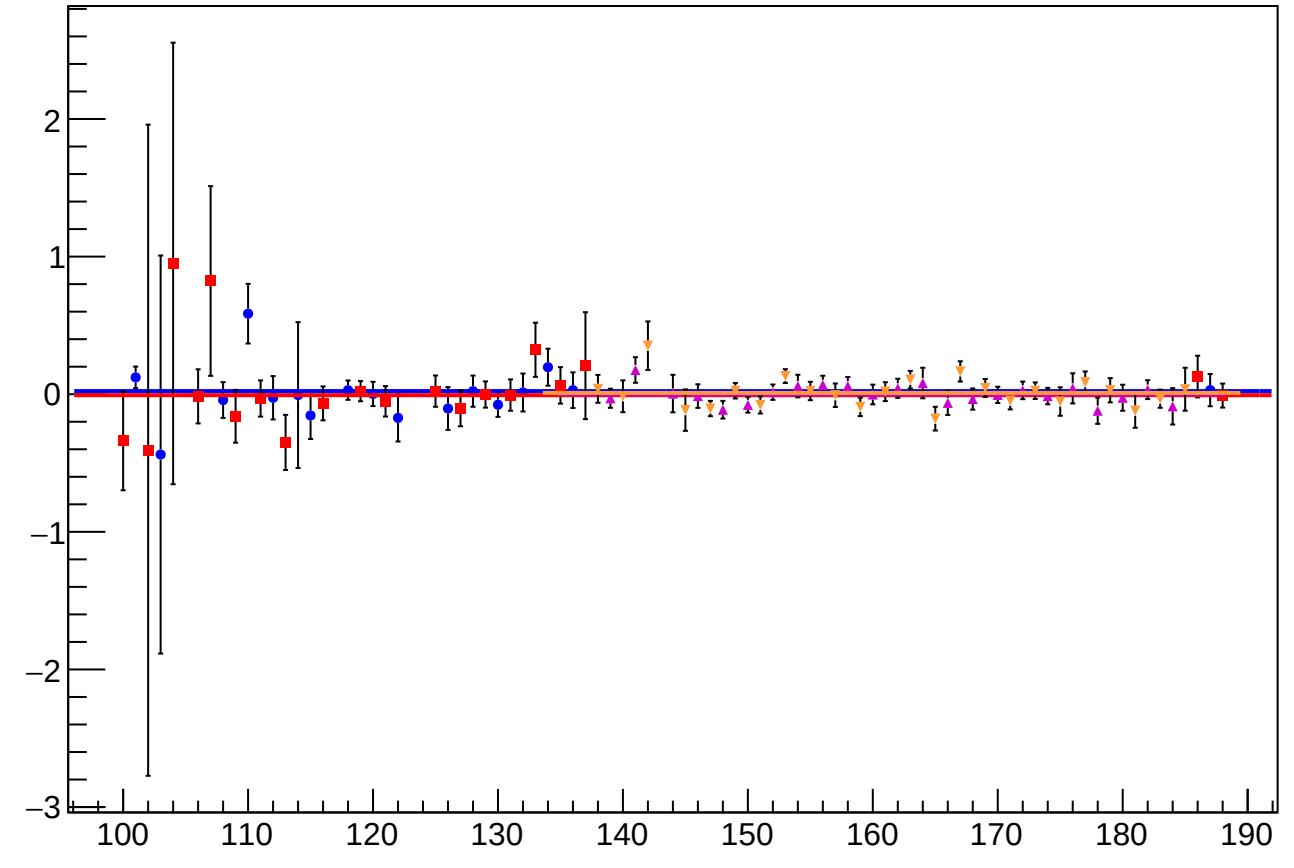
Left: 58.689+/-0.008 χ^2/NDF: 3574922.2/46

Right: 70.799+/-0.015 χ^2/NDF: 5368188.0/36

In: 61.421+/-0.010 χ^2/NDF:3779448.0/39

Out: 60.990+/-0.010 χ^2/NDF:5683313.1/43

All: 61.204+/-0.007 χ^2/NDF: 9463763.6/83



Right In: 0.023+/-0.029 χ^2/NDF: 14.8/16

Left Out: 0.009+/-0.015 χ^2/NDF:34.7/23

Right Out: -0.007+/-0.031 χ^2/NDF: 11.7/19

Left In: -0.001+/-0.015 χ^2/NDF:15.6/22

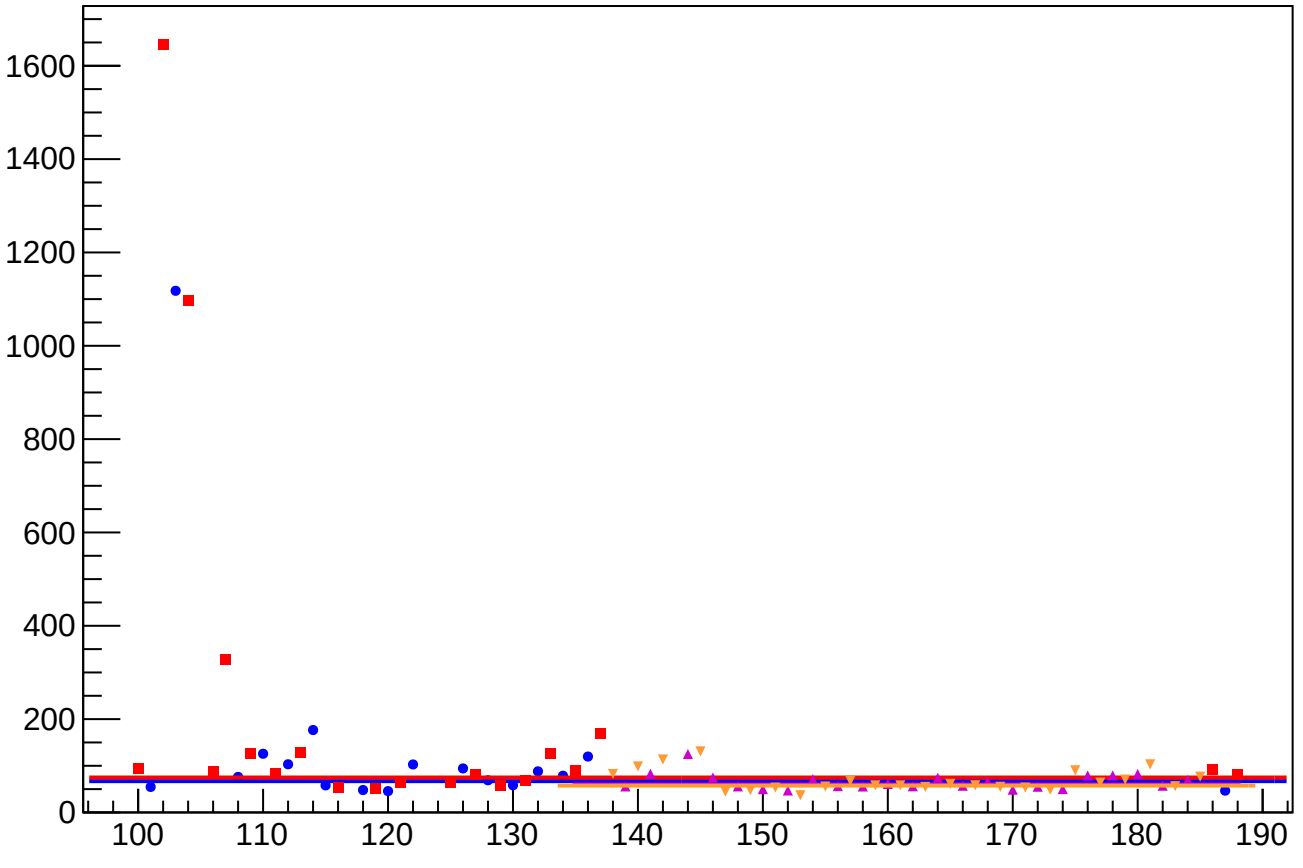
Left: 0.004+/-0.011 χ^2/NDF: 50.5/46

Right: 0.008+/-0.021 χ^2/NDF: 27.0/36

In: 0.004+/-0.014 χ^2/NDF:30.9/39

Out: 0.006+/-0.014 χ^2/NDF:46.6/43

All: 0.005+/-0.010 χ^2/NDF: 77.5/83



Right In: 67.083+/-0.021 χ^2/NDF: 2342403.1/16

Left Out: 57.606+/-0.011 χ^2/NDF:2213142.2/23

Right Out: 74.881+/-0.022 χ^2/NDF: 2957815.7/19

Left In: 59.828+/-0.011 χ^2/NDF:1340700.1/22

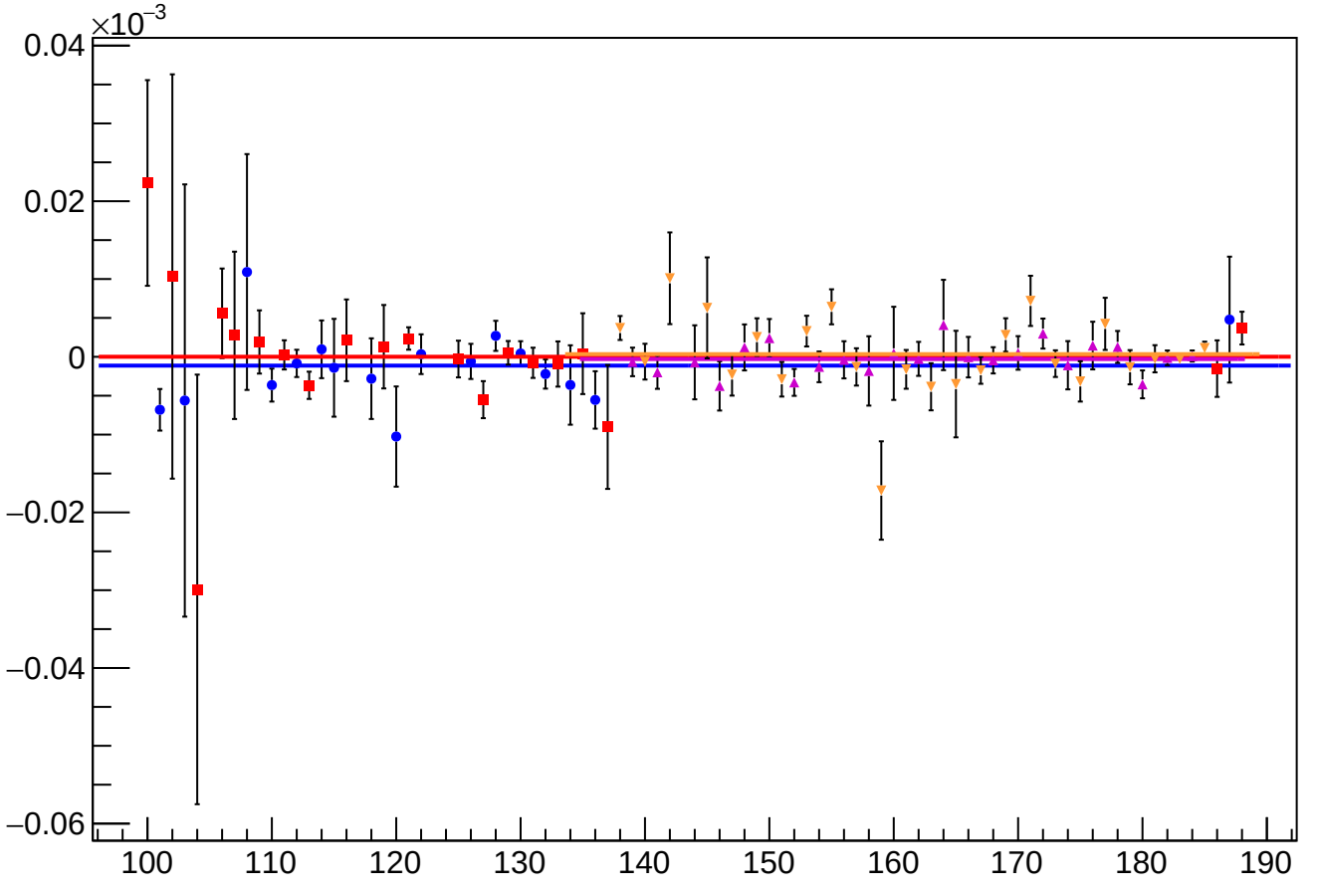
Left: 58.689+/-0.008 χ^2/NDF: 3574922.2/46

Right: 70.799+/-0.015 χ^2/NDF: 5368188.0/36

In: 61.421+/-0.010 χ^2/NDF:3779448.0/39

Out: 60.990+/-0.010 χ^2/NDF:5683313.1/43

All: 61.204+/-0.007 χ^2/NDF: 9463763.6/83



Right In: -0.000+/-0.000 χ^2/NDF: 16.8/16

Left Out: 0.000+/-0.000 χ^2/NDF:46.8/23

Right Out: 0.000+/-0.000 χ^2/NDF: 23.0/19

Left In: -0.000+/-0.000 χ^2/NDF:14.9/22

Left: 0.000+/-0.000 χ^2/NDF: 63.2/46

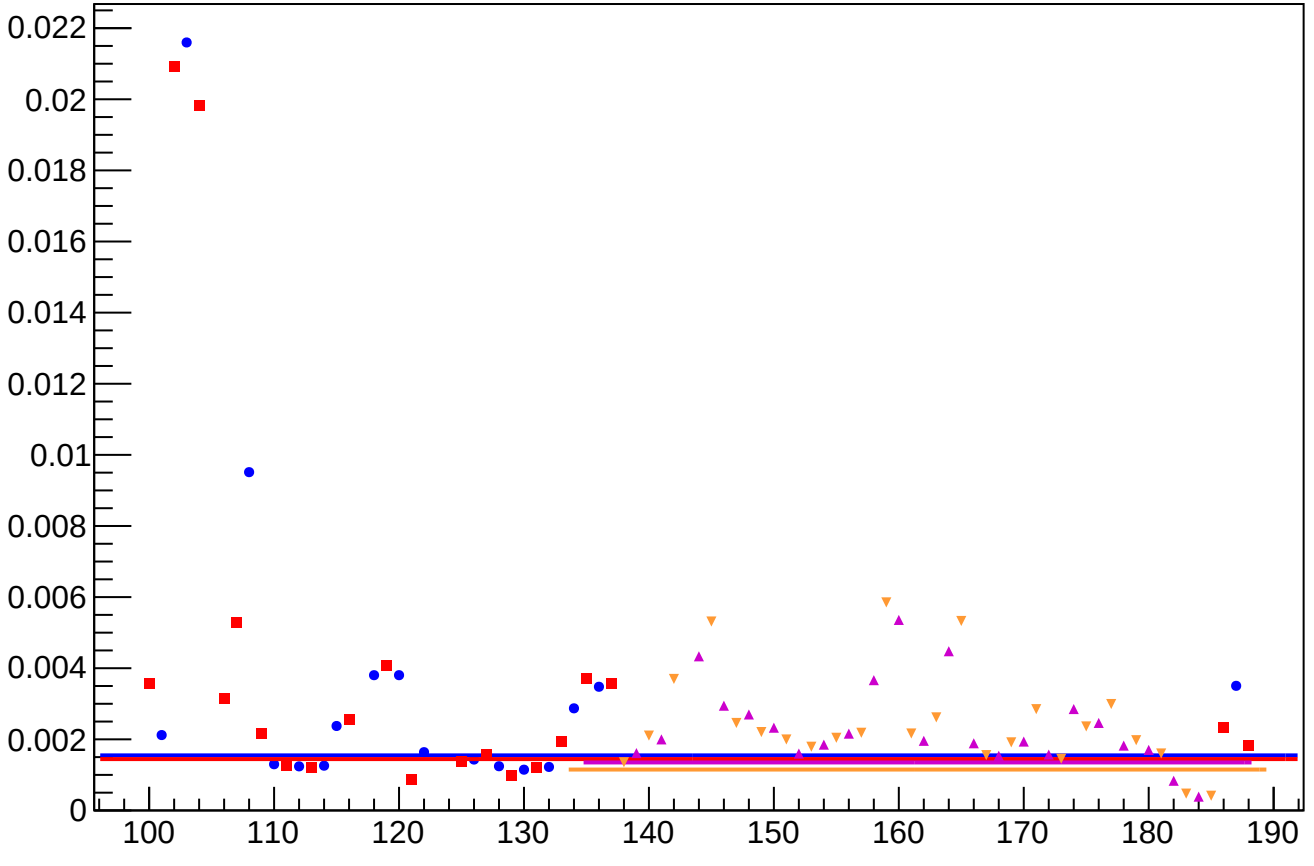
Right: -0.000+/-0.000 χ^2/NDF: 41.4/36

In: -0.000+/-0.000 χ^2/NDF:33.0/39

Out: 0.000+/-0.000 χ^2/NDF:70.0/43

All: -0.000+/-0.000 χ^2/NDF: 105.9/83

asym_atl1_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 3491529.0/16

Left Out: 0.001+/-0.000 χ^2/NDF:13242273.9/23

Right Out: 0.001+/-0.000 χ^2/NDF: 4470090.5/19

Left In: 0.001+/-0.000 χ^2/NDF:10247159.8/22

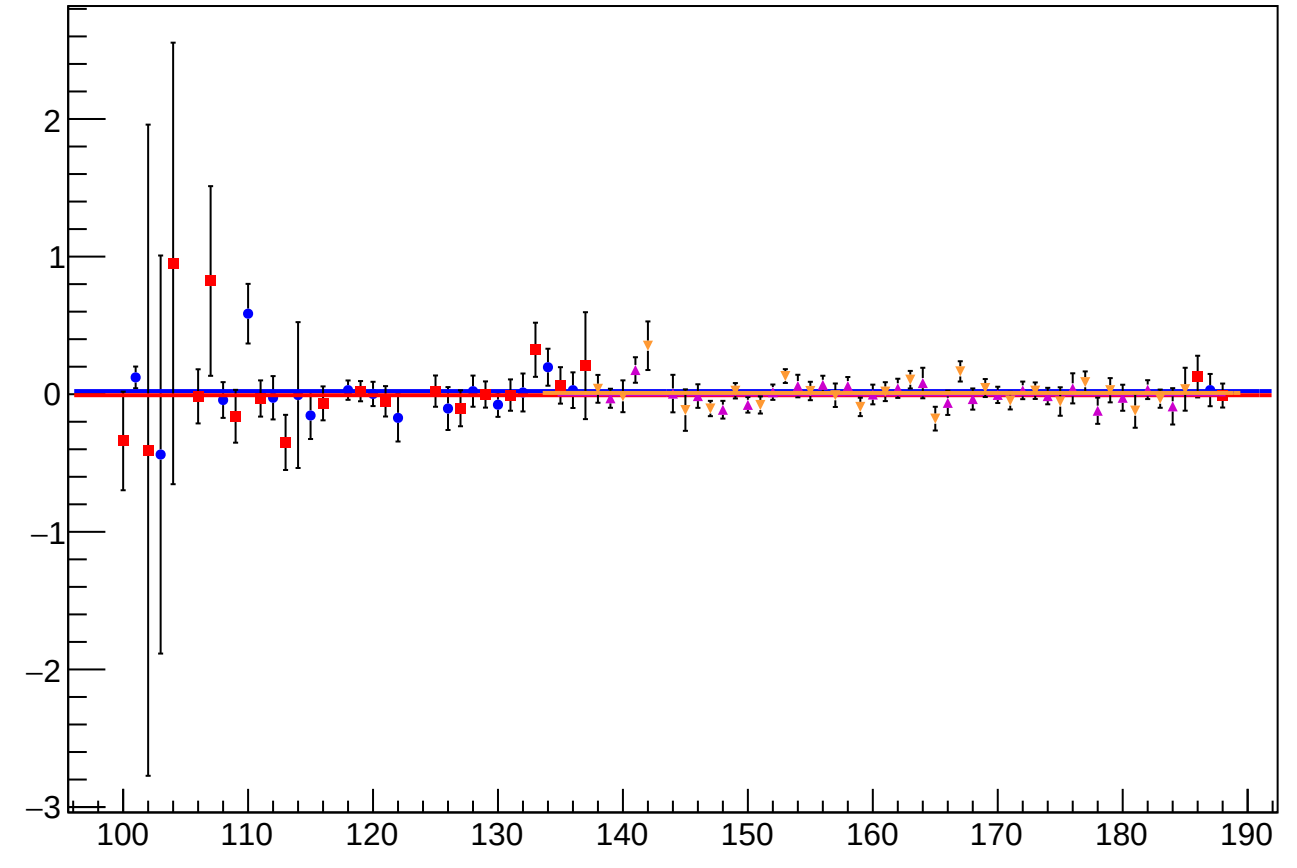
Left: 0.001+/-0.000 χ^2/NDF: 23793610.5/46

Right: 0.001+/-0.000 χ^2/NDF: 7988981.7/36

In: 0.001+/-0.000 χ^2/NDF:13873863.3/39

Out: 0.001+/-0.000 χ^2/NDF:18077837.9/43

All: 0.001+/-0.000 χ^2/NDF: 32269302.7/83



Right In: 0.023+/-0.029 χ^2/NDF: 14.8/16

Left Out: 0.009+/-0.015 χ^2/NDF:34.7/23

Right Out: -0.007+/-0.031 χ^2/NDF: 11.7/19

Left In: -0.001+/-0.015 χ^2/NDF:15.6/22

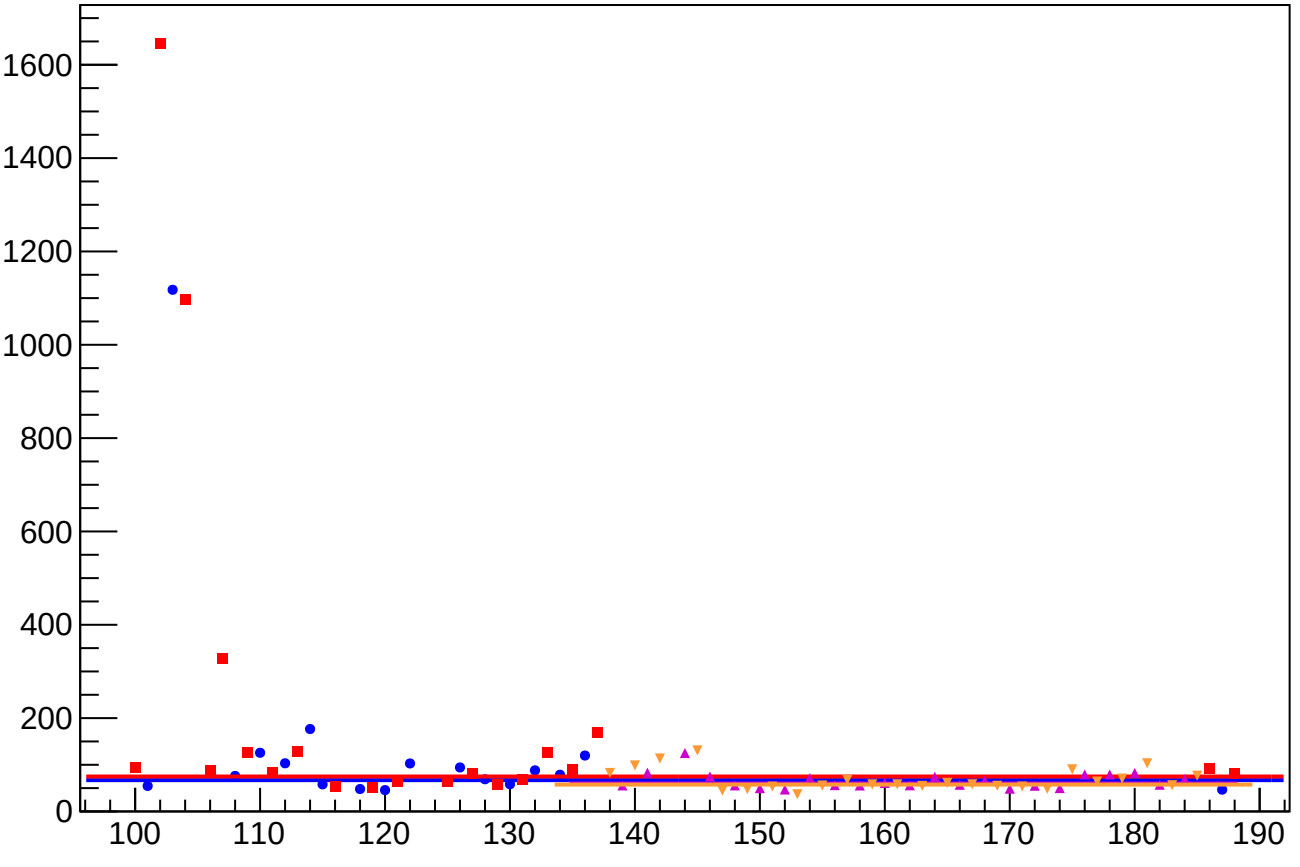
Left: 0.004+/-0.011 χ^2/NDF: 50.5/46

Right: 0.008+/-0.021 χ^2/NDF: 27.0/36

In: 0.004+/-0.014 χ^2/NDF:30.9/39

Out: 0.006+/-0.014 χ^2/NDF:46.6/43

All: 0.005+/-0.010 χ^2/NDF: 77.5/83



Right In: 67.082+/-0.021 χ^2/NDF: 2342487.0/16

Left Out: 57.606+/-0.011 χ^2/NDF:2213216.3/23

Right Out: 74.880+/-0.022 χ^2/NDF: 2957828.4/19

Left In: 59.828+/-0.011 χ^2/NDF:1340684.6/22

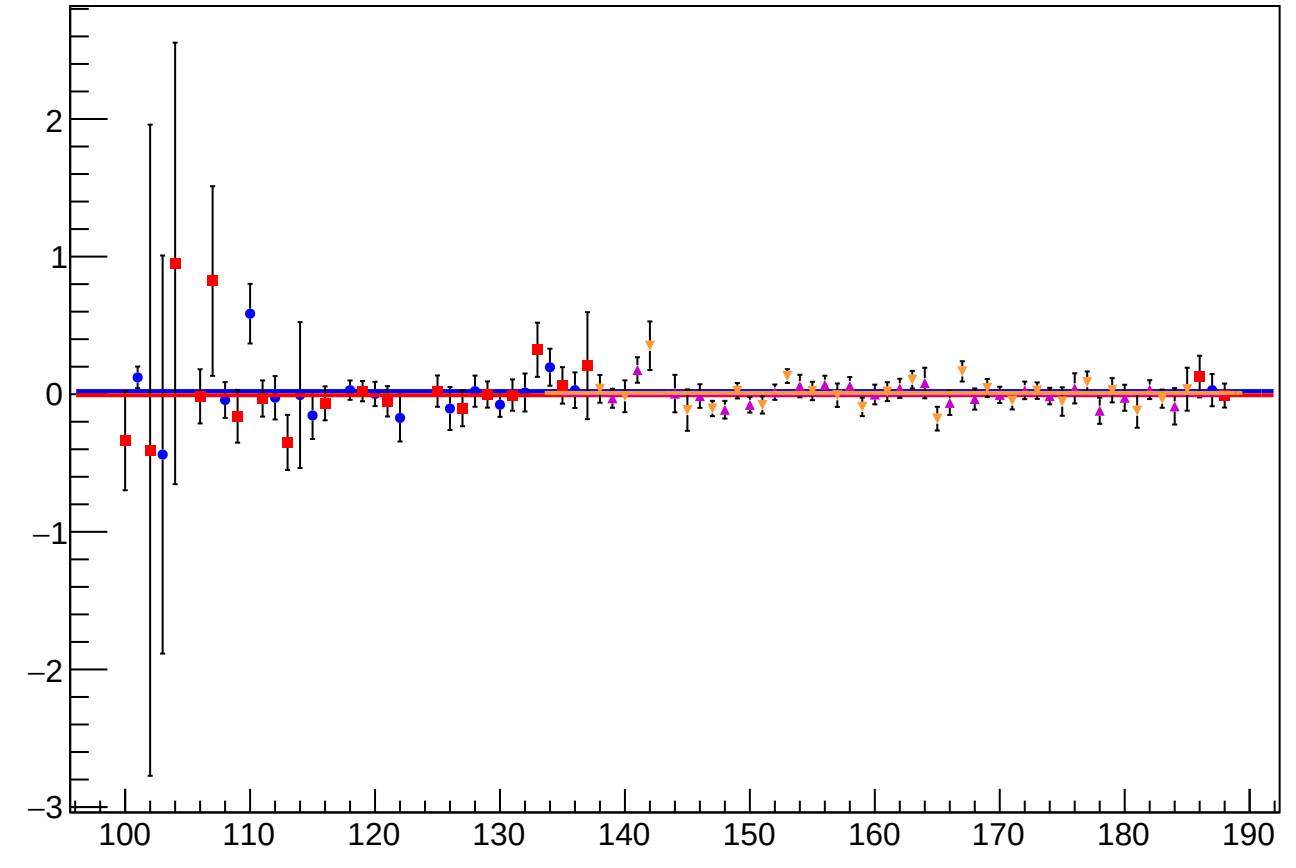
Left: 58.689+/-0.008 χ^2/NDF: 3574984.0/46

Right: 70.798+/-0.015 χ^2/NDF: 5368292.9/36

In: 61.421+/-0.010 χ^2/NDF:3779487.3/39

Out: 60.990+/-0.010 χ^2/NDF:5683371.3/43

All: 61.204+/-0.007 χ^2/NDF: 9463861.1/83



Right In: 0.023+/-0.029 χ^2/NDF: 14.8/16

Left Out: 0.009+/-0.015 χ^2/NDF:34.7/23

Right Out: -0.007+/-0.031 χ^2/NDF: 11.7/19

Left In: -0.001+/-0.015 χ^2/NDF:15.6/22

Left: 0.004+/-0.011 χ^2/NDF: 50.5/46

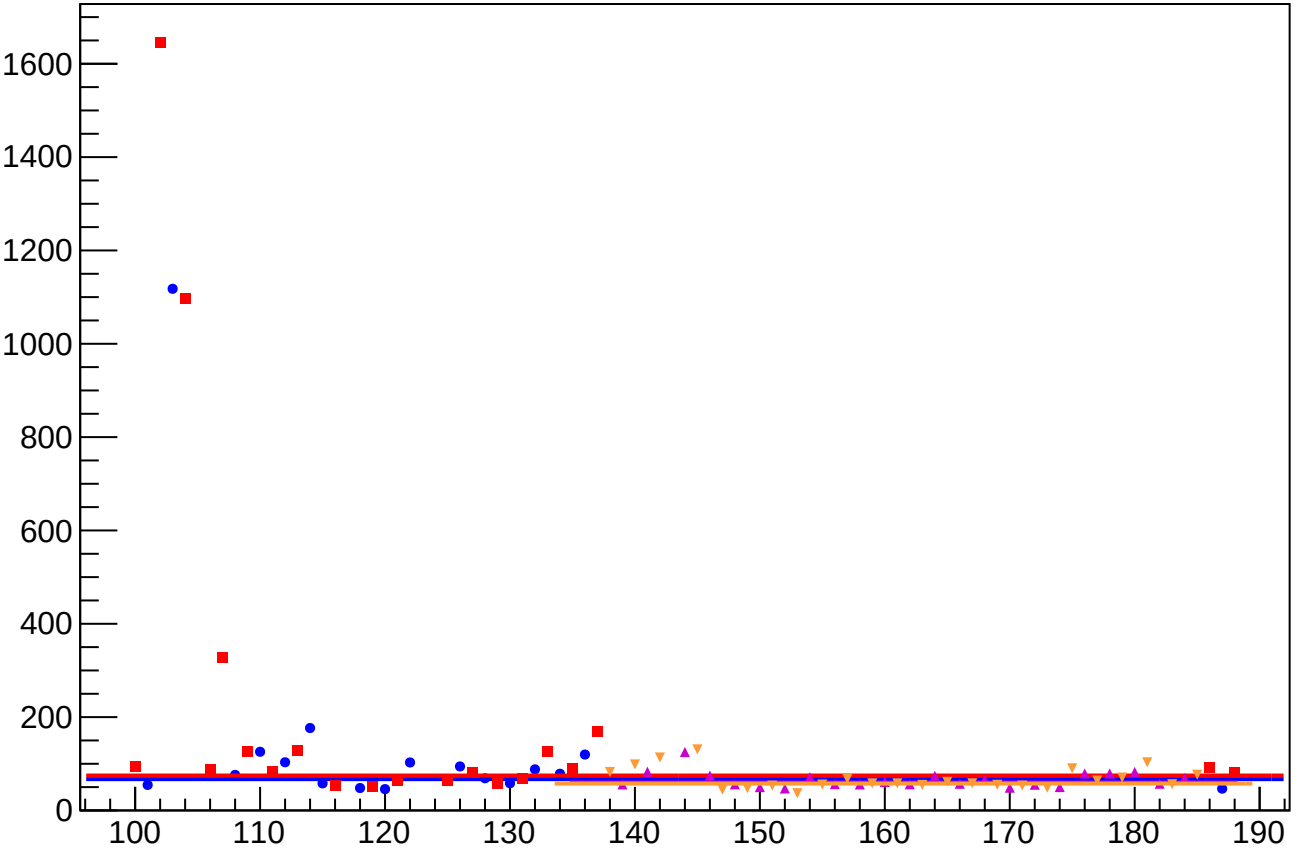
Right: 0.008+/-0.021 χ^2/NDF: 27.0/36

In: 0.004+/-0.014 χ^2/NDF:30.9/39

Out: 0.006+/-0.014 χ^2/NDF:46.6/43

All: 0.005+/-0.010 χ^2/NDF: 77.5/83

asym_atl1_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 67.082+/-0.021 χ^2/NDF: 2342487.0/16

Left Out: 57.606+/-0.011 χ^2/NDF:2213216.3/23

Right Out: 74.880+/-0.022 χ^2/NDF: 2957828.4/19

Left In: 59.828+/-0.011 χ^2/NDF:1340684.6/22

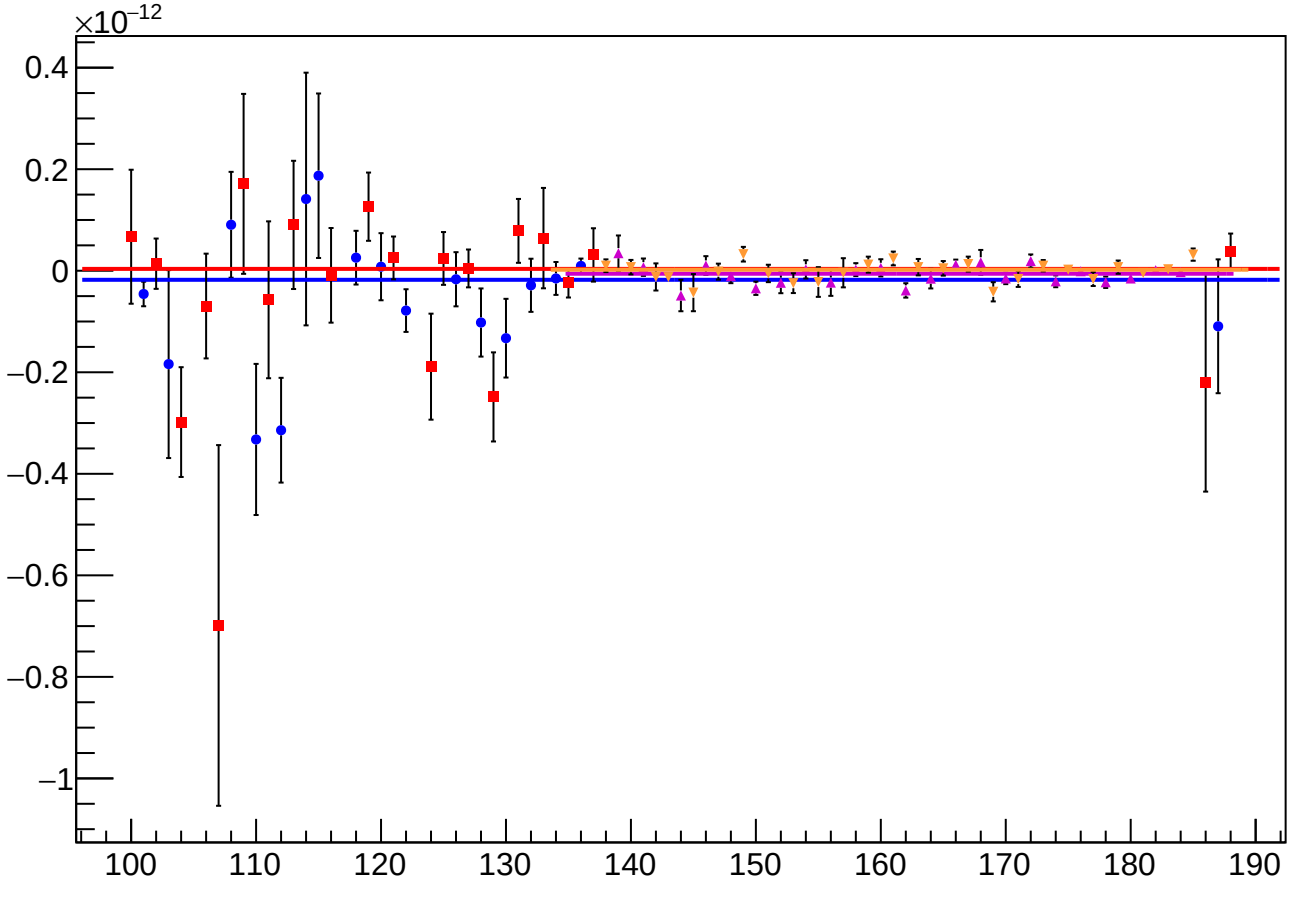
Left: 58.689+/-0.008 χ^2/NDF: 3574984.0/46

Right: 70.798+/-0.015 χ^2/NDF: 5368292.9/36

In: 61.421+/-0.010 χ^2/NDF:3779487.3/39

Out: 60.990+/-0.010 χ^2/NDF:5683371.3/43

All: 61.204+/-0.007 χ^2/NDF: 9463861.1/83



Right In: -0.000+/-0.000 χ^2/NDF: 28.7/16

Left Out: 0.000+/-0.000 χ^2/NDF:31.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 34.5/20

Left In: -0.000+/-0.000 χ^2/NDF:32.6/22

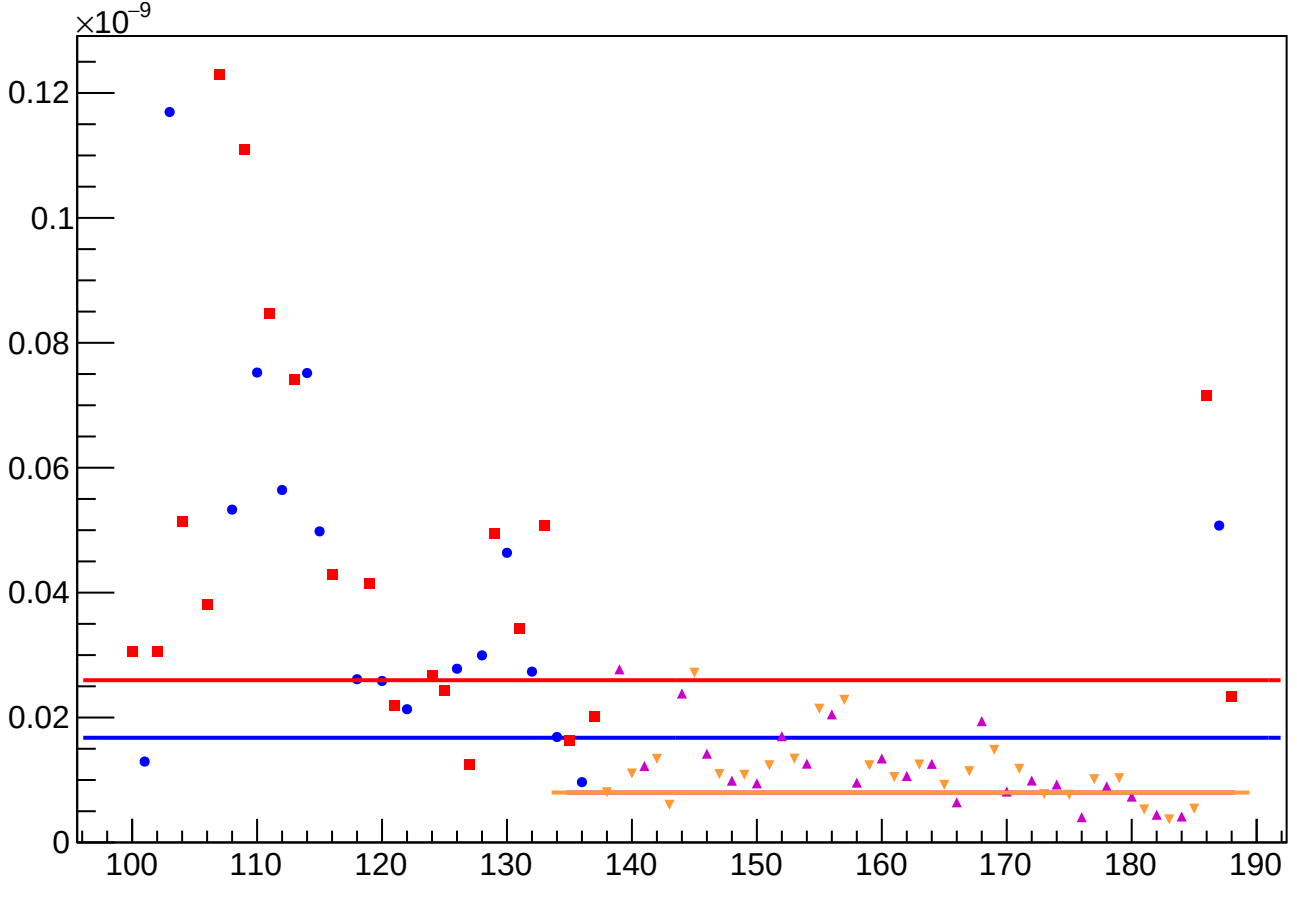
Left: -0.000+/-0.000 χ^2/NDF: 69.4/47

Right: -0.000+/-0.000 χ^2/NDF: 64.9/37

In: -0.000+/-0.000 χ^2/NDF:62.7/39

Out: 0.000+/-0.000 χ^2/NDF:66.4/45

All: -0.000+/-0.000 χ^2/NDF: 135.4/85



Right In: 0.000+/-0.000 χ^2/NDF: 2957020.9/16

Left Out: 0.000+/-0.000 χ^2/NDF:4887759.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2448901.9/20

Left In: 0.000+/-0.000 χ^2/NDF:5188583.5/22

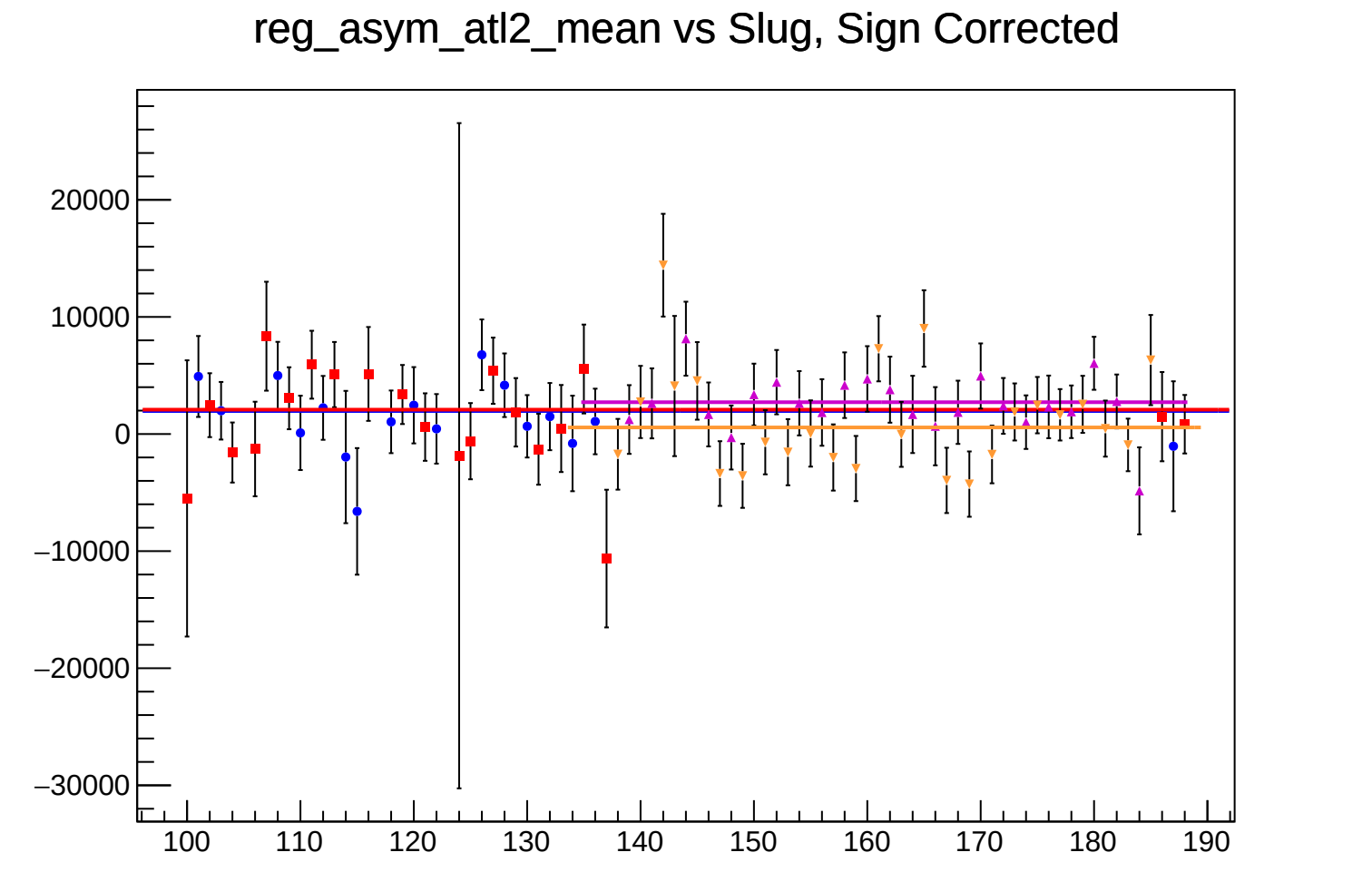
Left: 0.000+/-0.000 χ^2/NDF: 10076343.4/47

Right: 0.000+/-0.000 χ^2/NDF: 6030220.6/37

In: 0.000+/-0.000 χ^2/NDF:9601863.4/39

Out: 0.000+/-0.000 χ^2/NDF:10950956.1/45

All: 0.000+/-0.000 χ^2/NDF: 20553726.7/85



Right In: 1965.551+/-757.205 χ^2/NDF: 9.9/16

Left Out: 562.390+/-557.316 χ^2/NDF:43.9/24

Right Out: 2080.078+/-711.015 χ^2/NDF: 18.4/20

Left In: 2716.200+/-566.202 χ^2/NDF:14.3/22

Left: 1622.262+/-397.186 χ^2/NDF: 65.6/47

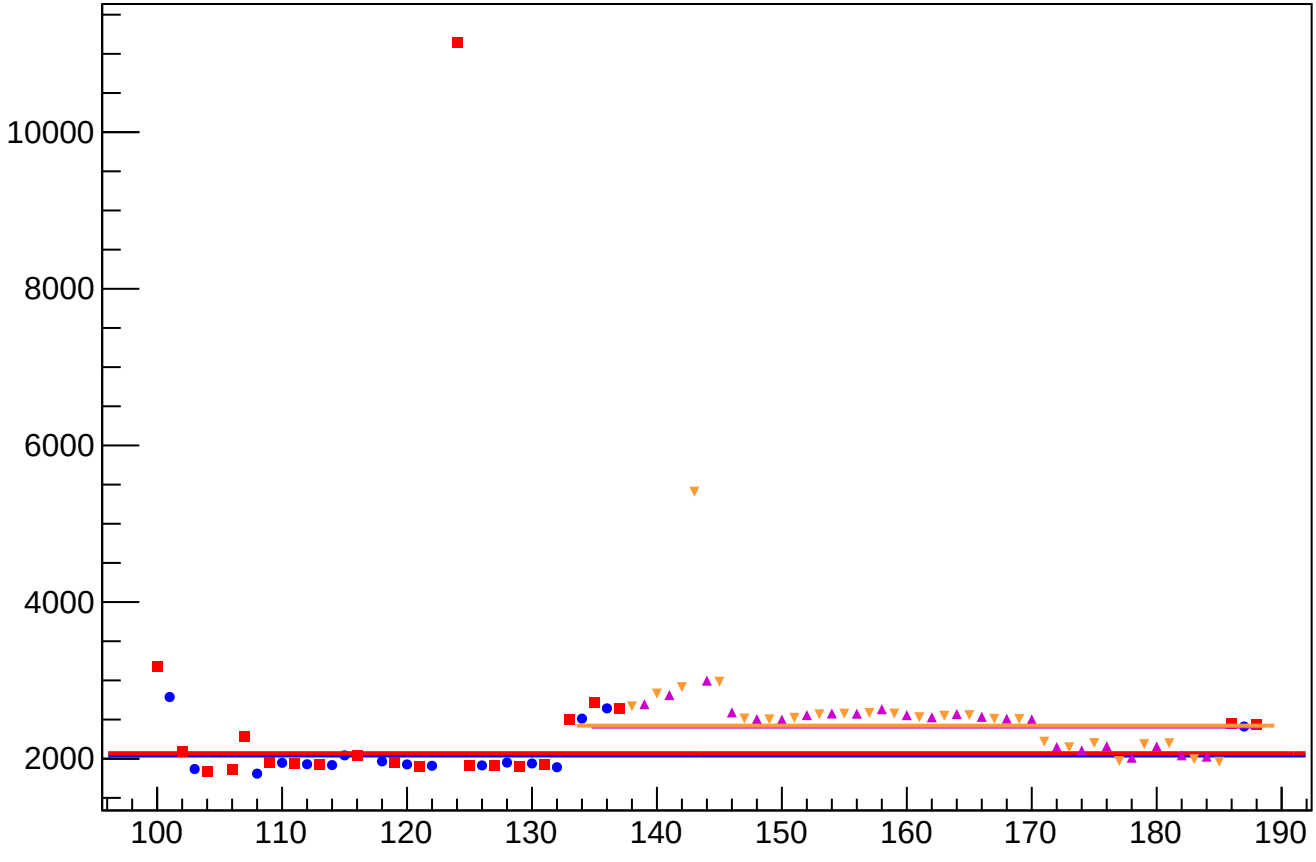
Right: 2026.414+/-518.324 χ^2/NDF: 28.4/37

In: 2447.004+/-453.450 χ^2/NDF:24.8/39

Out: 1139.980+/-438.629 χ^2/NDF:65.2/45

All: 1771.782+/-315.267 χ^2/NDF: 94.3/85

reg_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2041.184+/-0.535 χ^2/NDF: 272030.4/16

Left Out: 2422.152+/-0.394 χ^2/NDF:952857.9/24

Right Out: 2070.494+/-0.503 χ^2/NDF: 462712.7/20

Left In: 2409.820+/-0.400 χ^2/NDF:428364.2/22

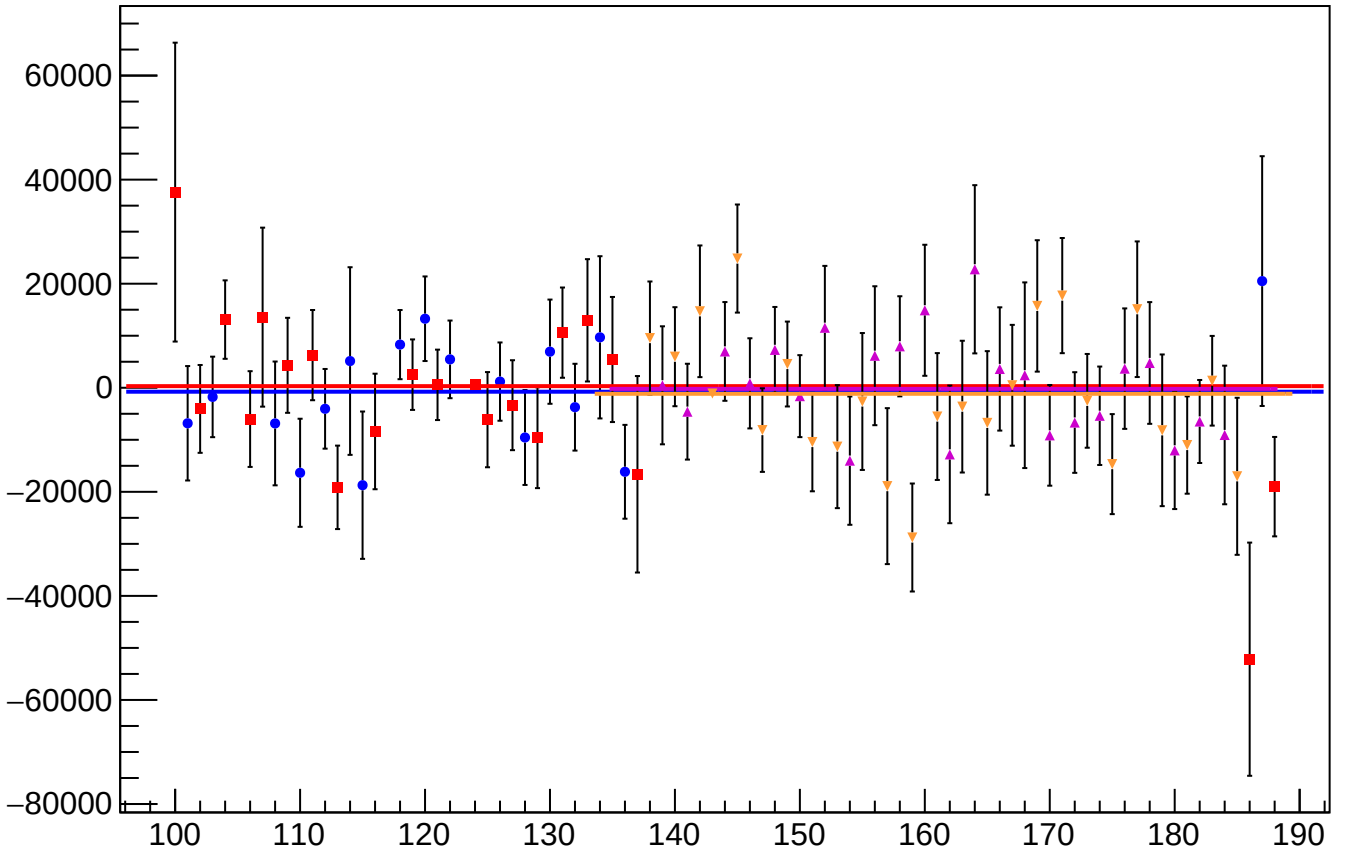
Left: 2416.083+/-0.281 χ^2/NDF: 1381704.0/47

Right: 2056.760+/-0.367 χ^2/NDF: 736335.6/37

In: 2277.620+/-0.321 χ^2/NDF:1004423.5/39

Out: 2288.321+/-0.310 χ^2/NDF:1718613.3/45

All: 2283.148+/-0.223 χ^2/NDF: 2723612.2/85



Right In: -758.934+/-2268.334 χ^2/NDF: 16.1/16

Left Out: -1158.214+/-757.797 χ^2/NDF:31.9/24

Right Out: 310.753+/-765.368 χ^2/NDF: 28.1/20

Left In: -209.655+/-2195.058 χ^2/NDF:13.4/22

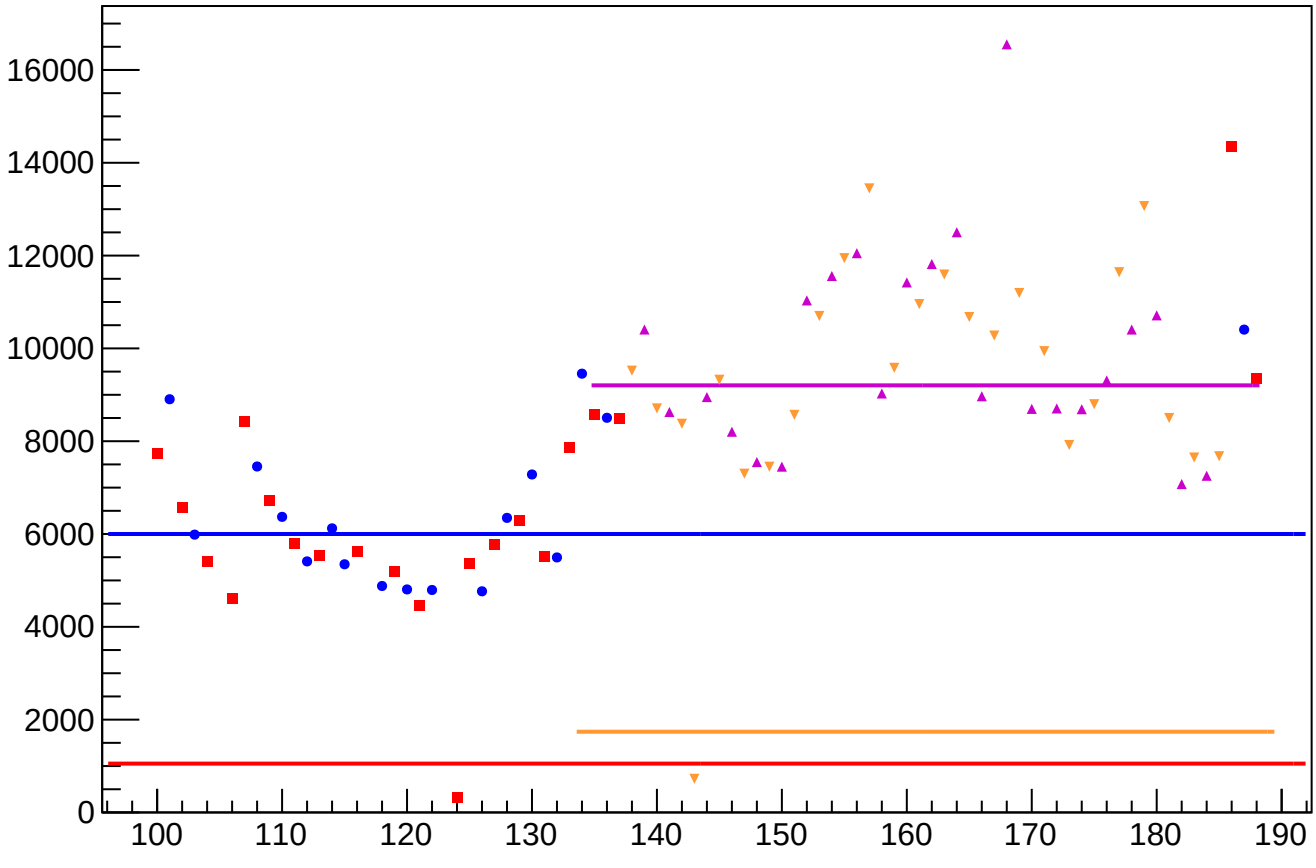
Left: -1057.201+/-716.312 χ^2/NDF: 45.5/47

Right: 201.419+/-725.199 χ^2/NDF: 44.4/37

In: -475.279+/-1577.410 χ^2/NDF:29.6/39

Out: -431.031+/-538.500 χ^2/NDF:61.9/45

All: -435.650+/-509.622 χ^2/NDF: 91.4/85



Right In: 6000.493+/-1.604 χ^2/NDF: 757220.1/16

Left Out: 1739.692+/-0.536 χ^2/NDF:27734045.9/24

Right Out: 1052.591+/-0.541 χ^2/NDF: 13644799.3/20

Left In: 9203.758+/-1.552 χ^2/NDF:1272066.5/22

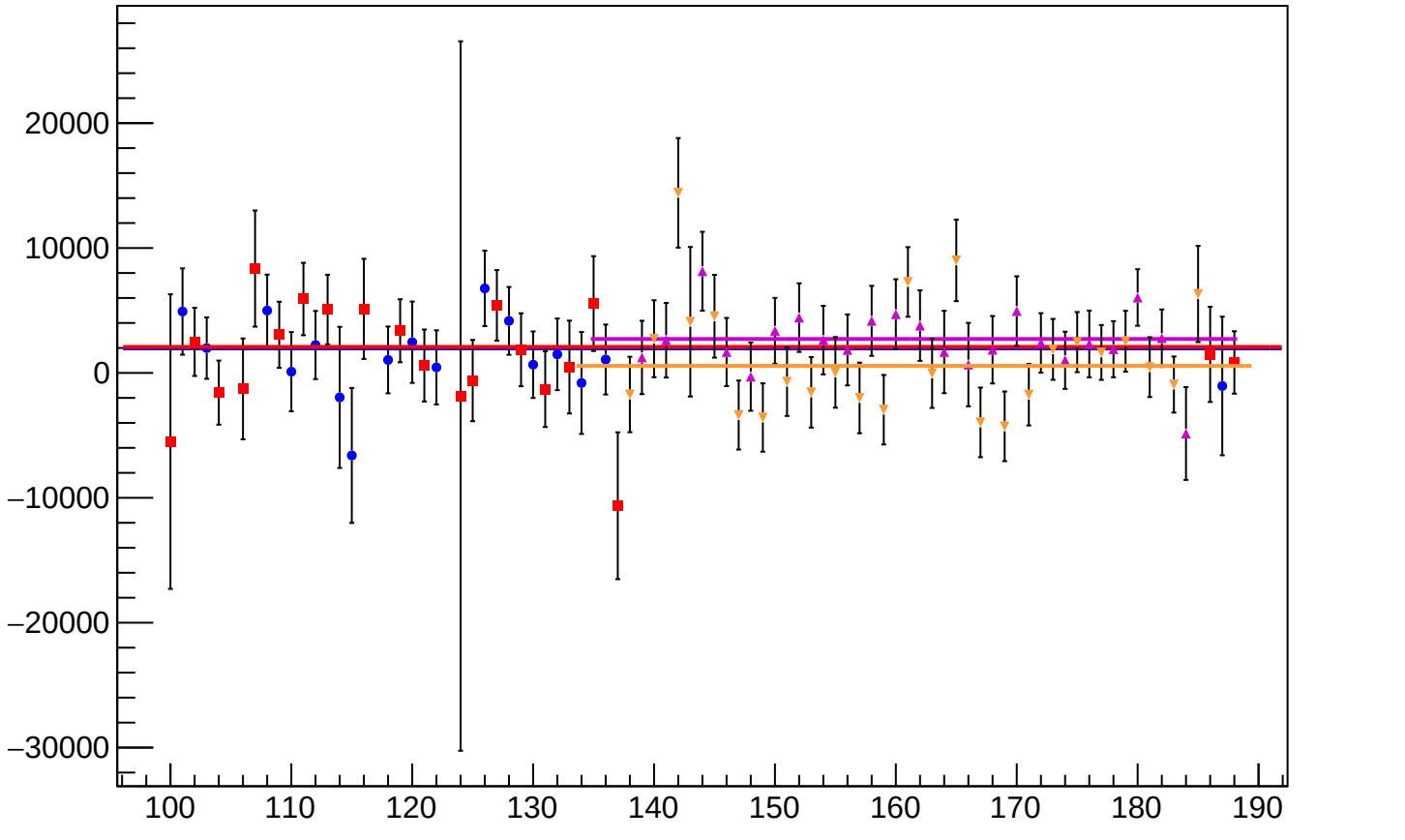
Left: 2534.547+/-0.507 χ^2/NDF: 49668848.5/47

Right: 1558.323+/-0.513 χ^2/NDF: 22945448.6/37

In: 7654.700+/-1.115 χ^2/NDF:4088961.0/39

Out: 1399.556+/-0.381 χ^2/NDF:42192794.0/45

All: 2052.453+/-0.360 χ^2/NDF: 74448749.4/8



Right In: 1965.667+/-757.205 χ^2/NDF: 9.9/16

Left Out: 562.392+/-557.316 χ^2/NDF:43.9/24

Right Out: 2081.698+/-711.021 χ^2/NDF: 18.4/20

Left In: 2716.163+/-566.202 χ^2/NDF:14.3/22

Left: 1622.245+/-397.186 χ^2/NDF: 65.6/47

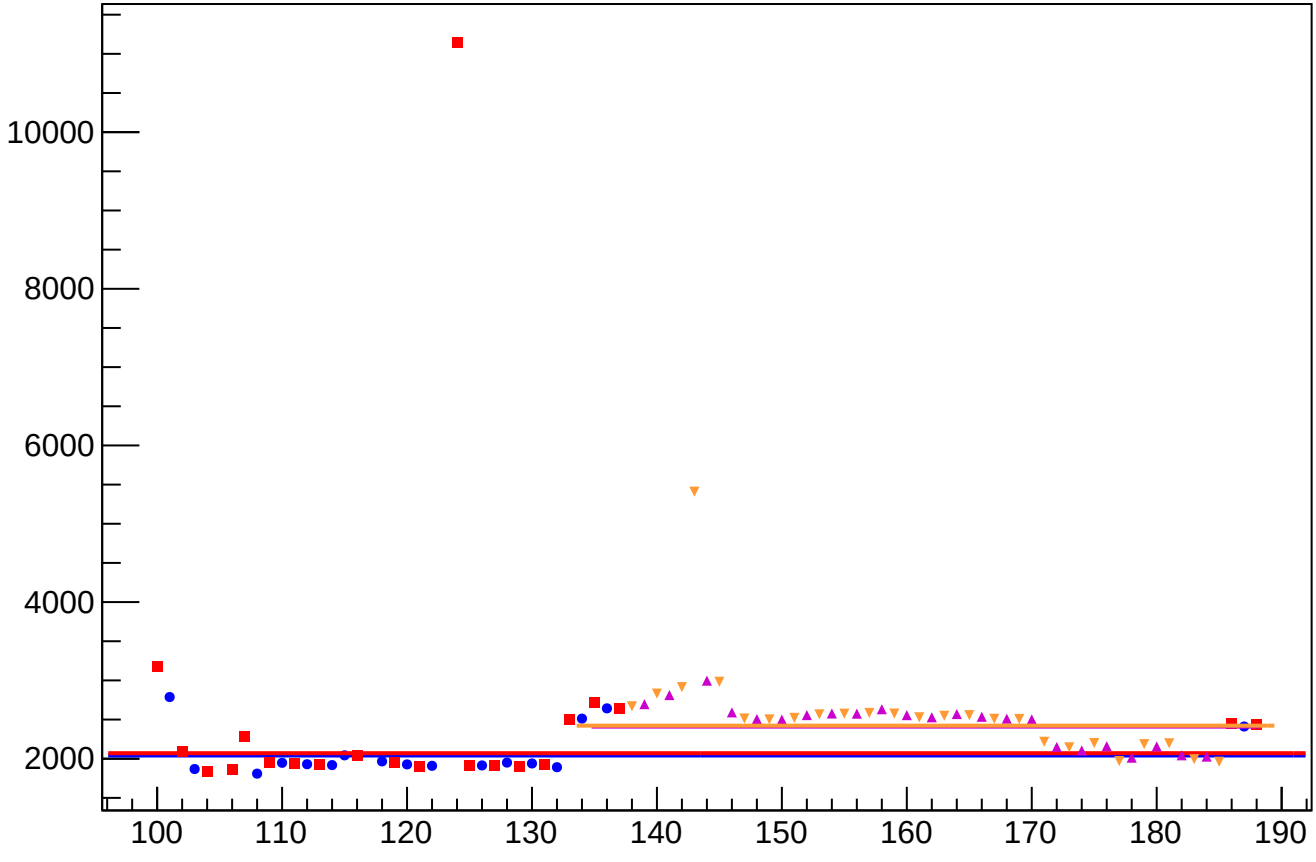
Right: 2027.329+/-518.326 χ^2/NDF: 28.4/37

In: 2447.021+/-453.450 χ^2/NDF:24.8/39

Out: 1140.591+/-438.630 χ^2/NDF:65.2/45

All: 1772.109+/-315.268 χ^2/NDF: 94.3/85

cor_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2041.184+/-0.535 χ^2/NDF: 272030.2/16

Left Out: 2422.152+/-0.394 χ^2/NDF:952857.9/24

Right Out: 2070.514+/-0.503 χ^2/NDF: 462716.8/20

Left In: 2409.820+/-0.400 χ^2/NDF:428364.2/22

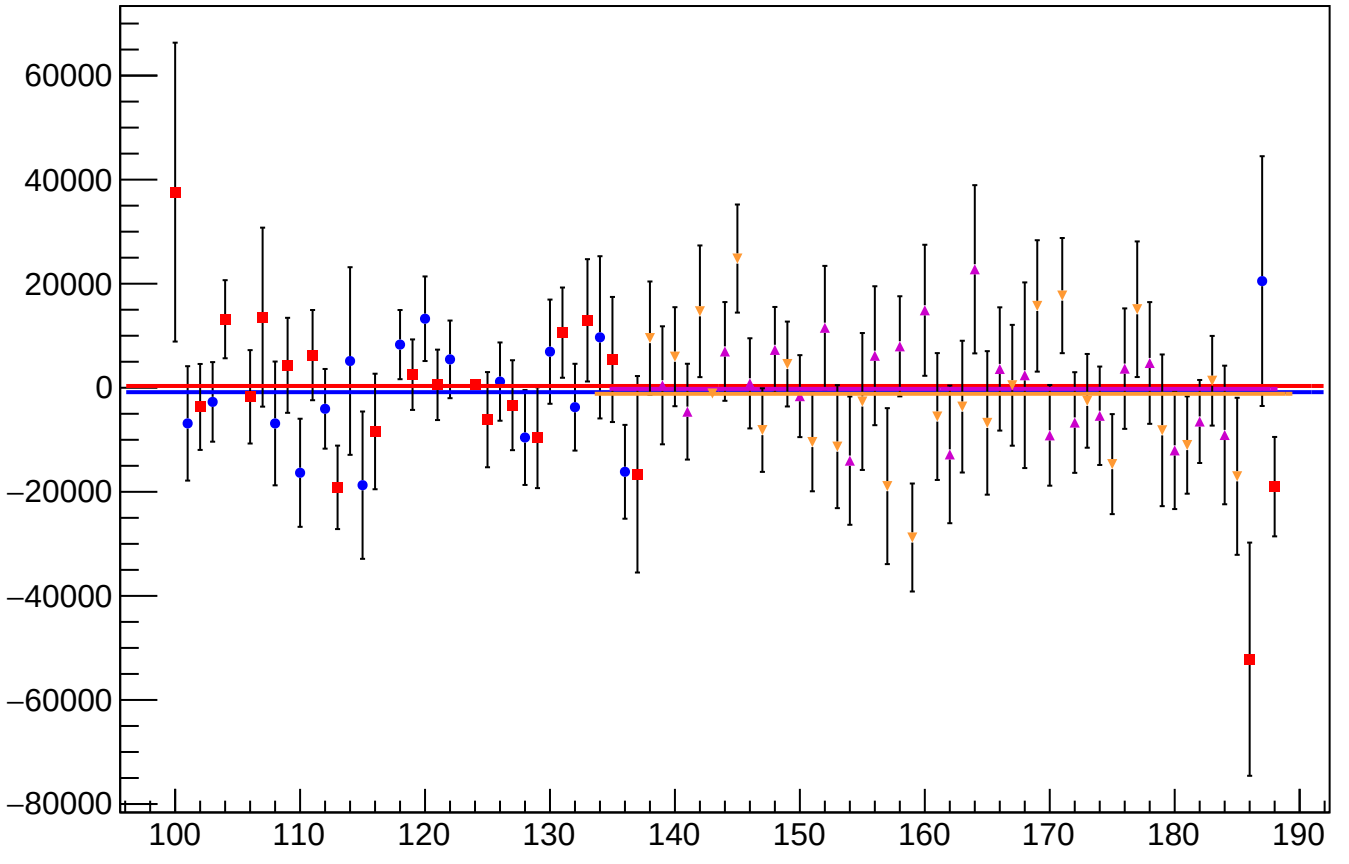
Left: 2416.083+/-0.281 χ^2/NDF: 1381703.9/47

Right: 2056.770+/-0.367 χ^2/NDF: 736341.7/37

In: 2277.620+/-0.321 χ^2/NDF:1004423.6/39

Out: 2288.330+/-0.310 χ^2/NDF:1718579.8/45

All: 2283.153+/-0.223 χ^2/NDF: 2723579.8/85



Right In: -845.973+/-2266.014 χ^2/NDF: 16.2/16

Left Out: -1157.974+/-757.732 χ^2/NDF:31.9/24

Right Out: 343.978+/-765.032 χ^2/NDF: 27.7/20

Left In: -209.500+/-2195.055 χ^2/NDF:13.4/22

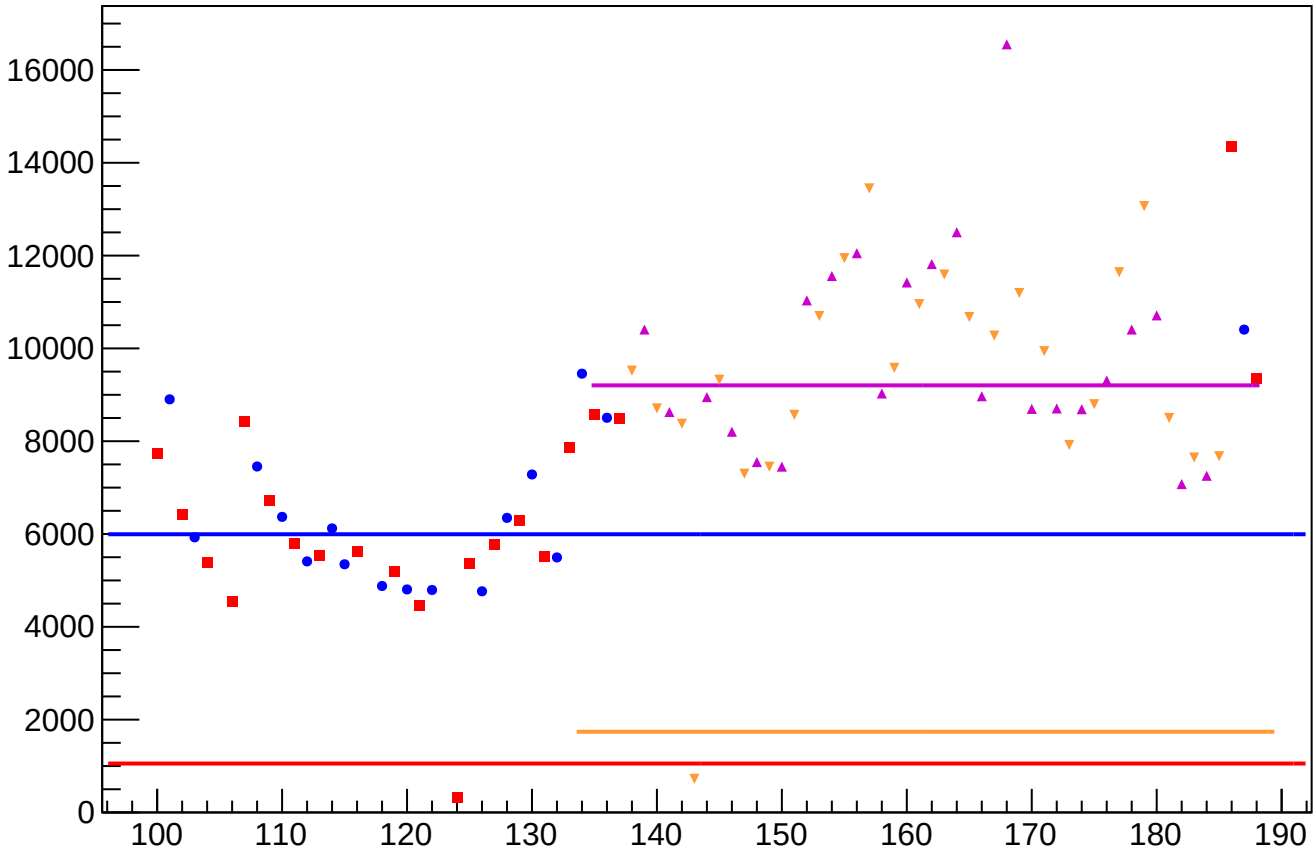
Left: -1056.985+/-716.258 χ^2/NDF: 45.5/47

Right: 222.223+/-724.837 χ^2/NDF: 44.1/37

In: -517.615+/-1576.628 χ^2/NDF:29.6/39

Out: -414.198+/-538.360 χ^2/NDF:61.6/45

All: -424.997+/-509.477 χ^2/NDF: 91.2/85



Right In: 5995.295+/-1.602 χ^2/NDF: 757253.5/16

Left Out: 1739.457+/-0.536 χ^2/NDF:27735092.1/24

Right Out: 1054.245+/-0.541 χ^2/NDF: 13640155.3/20

Left In: 9203.744+/-1.552 χ^2/NDF:1272079.0/22

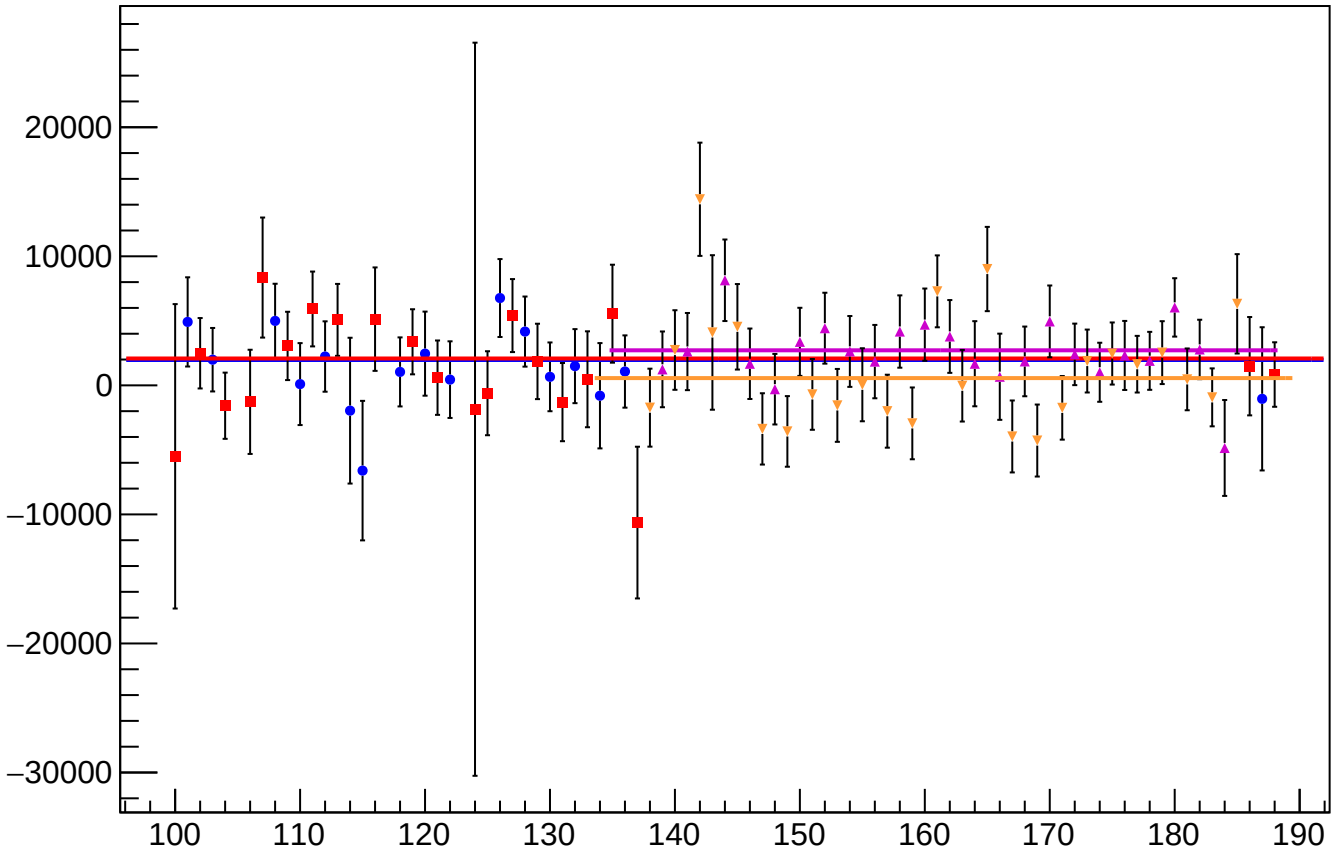
Left: 2534.217+/-0.506 χ^2/NDF: 49671551.4/47

Right: 1559.808+/-0.513 χ^2/NDF: 22933621.1/37

In: 7650.541+/-1.115 χ^2/NDF:4097866.2/39

Out: 1400.136+/-0.381 χ^2/NDF:42185154.2/45

All: 2052.814+/-0.360 χ^2/NDF: 74433870.9/8



Right In: 1965.667+/-757.205 χ^2/NDF: 9.9/16

Left Out: 562.392+/-557.316 χ^2/NDF:43.9/24

Right Out: 2081.698+/-711.021 χ^2/NDF: 18.4/20

Left In: 2716.163+/-566.202 χ^2/NDF:14.3/22

Left: 1622.245+/-397.186 χ^2/NDF: 65.6/47

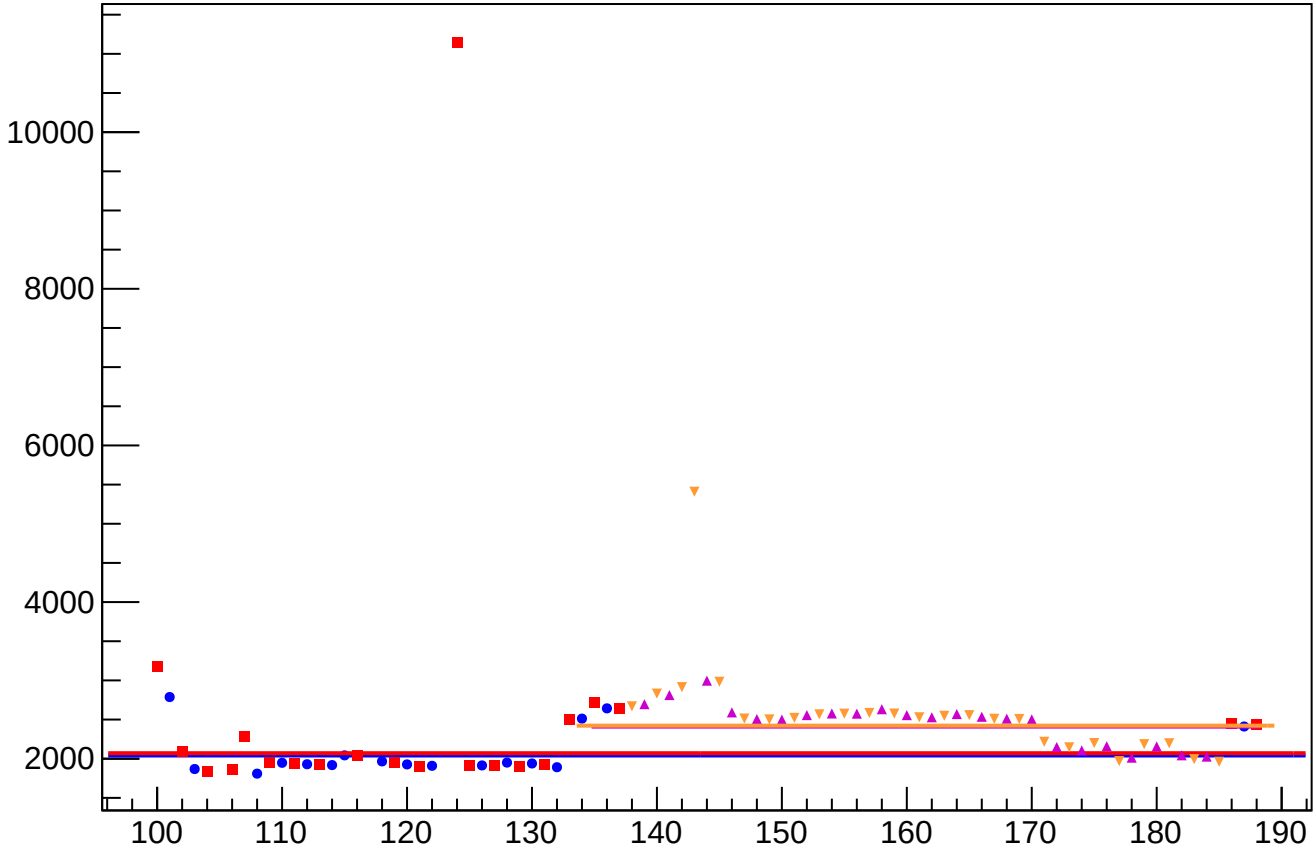
Right: 2027.329+/-518.326 χ^2/NDF: 28.4/37

In: 2447.021+/-453.450 χ^2/NDF:24.8/39

Out: 1140.591+/-438.630 χ^2/NDF:65.2/45

All: 1772.109+/-315.268 χ^2/NDF: 94.3/85

eigen_cor_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2041.184+/-0.535 χ^2/NDF: 272030.2/16

Left Out: 2422.152+/-0.394 χ^2/NDF:952857.9/24

Right Out: 2070.514+/-0.503 χ^2/NDF: 462716.8/20

Left In: 2409.820+/-0.400 χ^2/NDF:428364.2/22

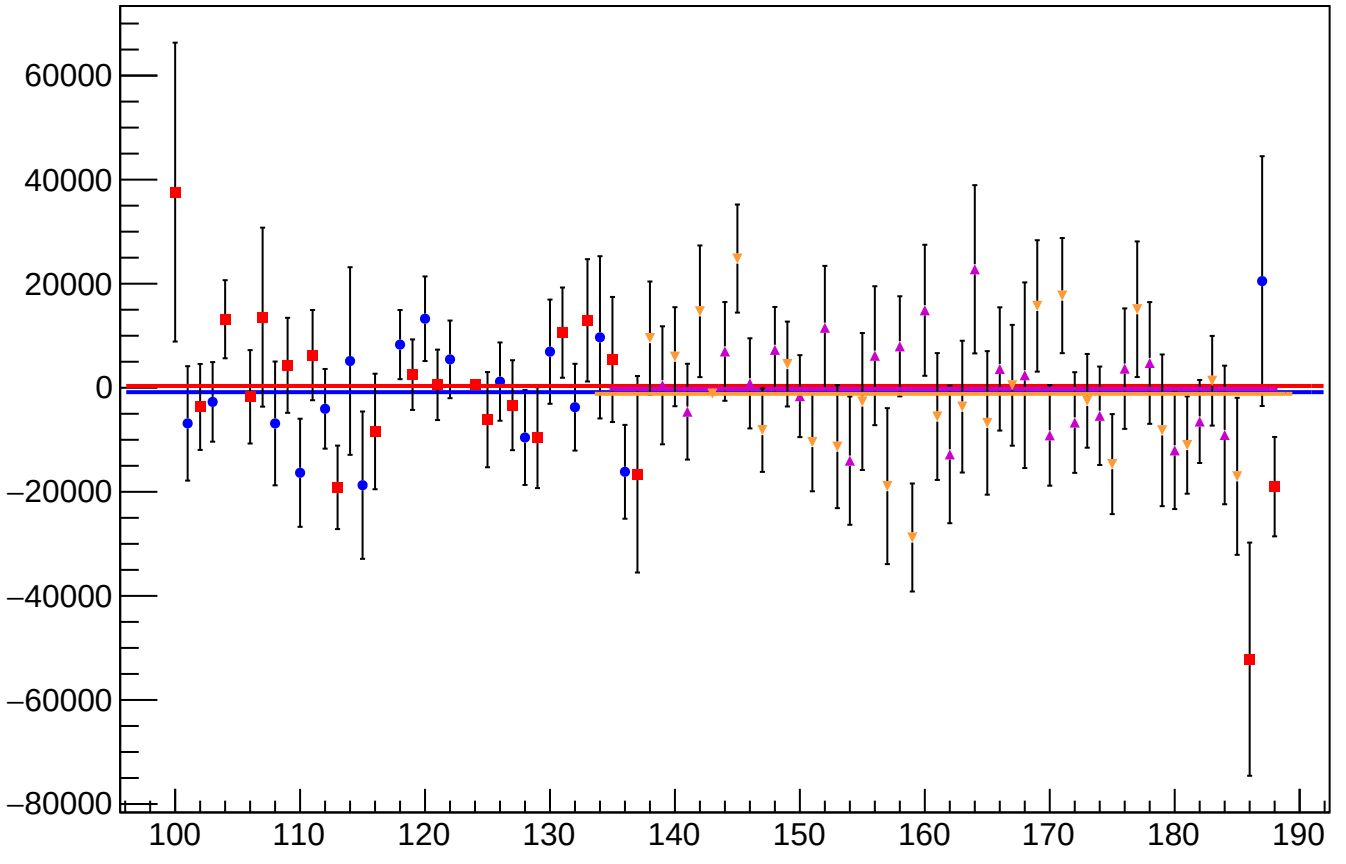
Left: 2416.083+/-0.281 χ^2/NDF: 1381703.9/47

Right: 2056.770+/-0.367 χ^2/NDF: 736341.7/37

In: 2277.620+/-0.321 χ^2/NDF:1004423.6/39

Out: 2288.330+/-0.310 χ^2/NDF:1718579.8/45

All: 2283.153+/-0.223 χ^2/NDF: 2723579.8/85



Right In: -845.973+/-2266.014 χ^2/NDF: 16.2/16

Left Out: -1157.974+/-757.732 χ^2/NDF:31.9/24

Right Out: 343.978+/-765.032 χ^2/NDF: 27.7/20

Left In: -209.500+/-2195.055 χ^2/NDF:13.4/22

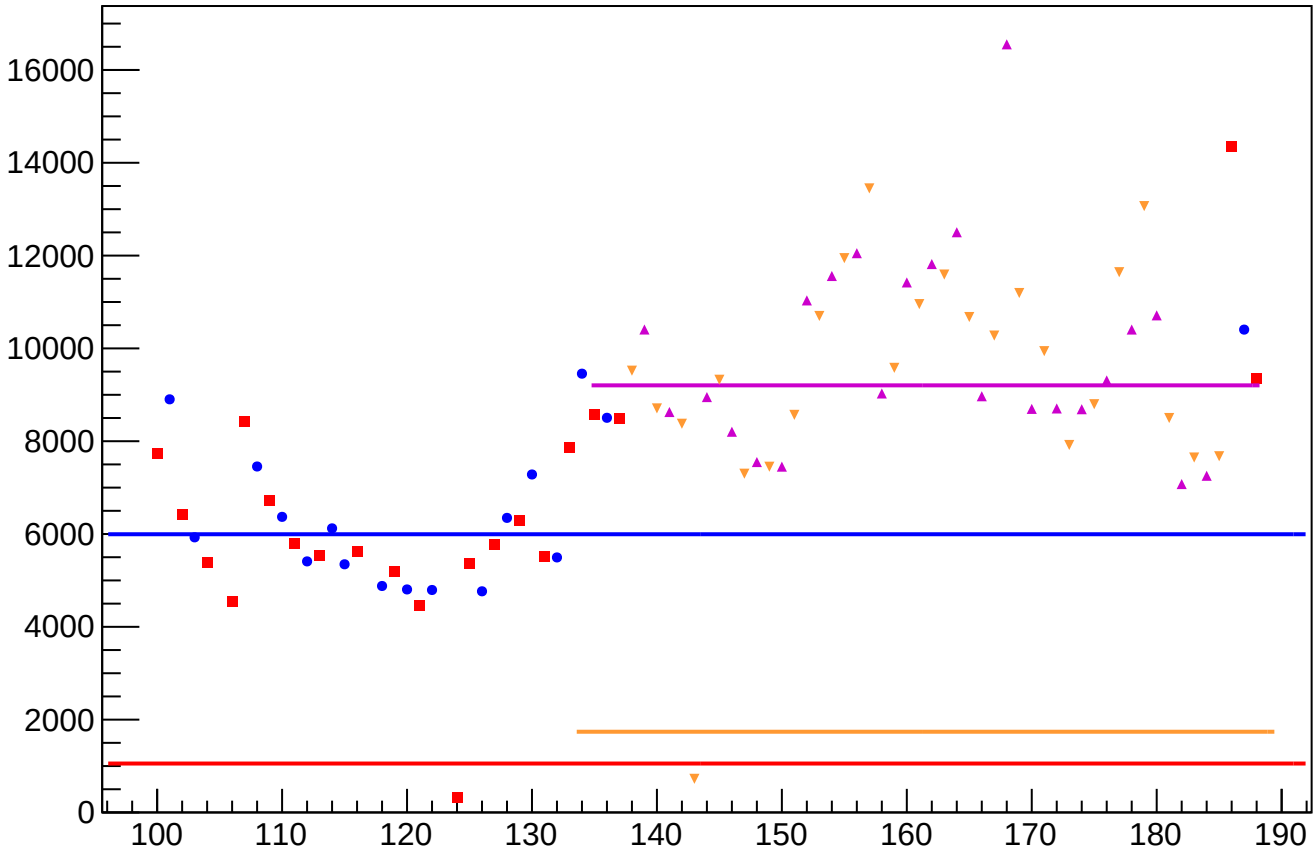
Left: -1056.985+/-716.258 χ^2/NDF: 45.5/47

Right: 222.223+/-724.837 χ^2/NDF: 44.1/37

In: -517.615+/-1576.628 χ^2/NDF:29.6/39

Out: -414.198+/-538.360 χ^2/NDF:61.6/45

All: -424.997+/-509.477 χ^2/NDF: 91.2/85



Right In: 5995.295+/-1.602 χ^2/NDF: 757253.5/16

Left Out: 1739.457+/-0.536 χ^2/NDF:27735092.1/24

Right Out: 1054.245+/-0.541 χ^2/NDF: 13640155.3/20

Left In: 9203.744+/-1.552 χ^2/NDF:1272079.0/22

Left: 2534.217+/-0.506 χ^2/NDF: 49671551.4/47

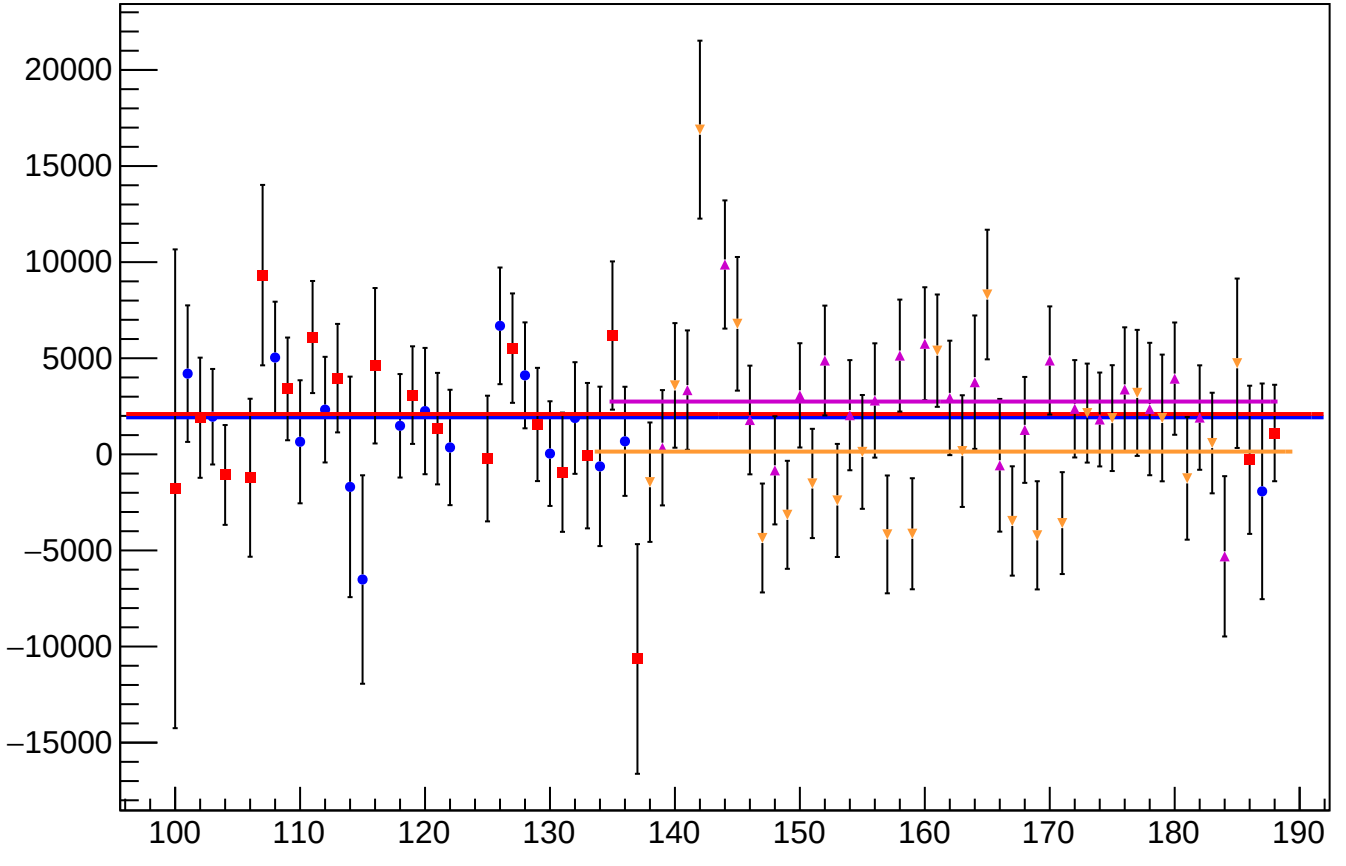
Right: 1559.808+/-0.513 χ^2/NDF: 22933621.1/37

In: 7650.541+/-1.115 χ^2/NDF:4097866.2/39

Out: 1400.136+/-0.381 χ^2/NDF:42185154.2/45

All: 2052.814+/-0.360 χ^2/NDF: 74433870.9/8

dit_asym_atl2_mean vs Slug, Sign Corrected



Right In: 1926.016+/-766.290 χ^2/NDF: 9.5/16

Left Out: 142.497+/-615.731 χ^2/NDF:45.8/23

Right Out: 2097.307+/-724.136 χ^2/NDF: 17.3/19

Left In: 2745.982+/-616.123 χ^2/NDF:15.4/22

Left: 1443.410+/-435.526 χ^2/NDF: 70.2/46

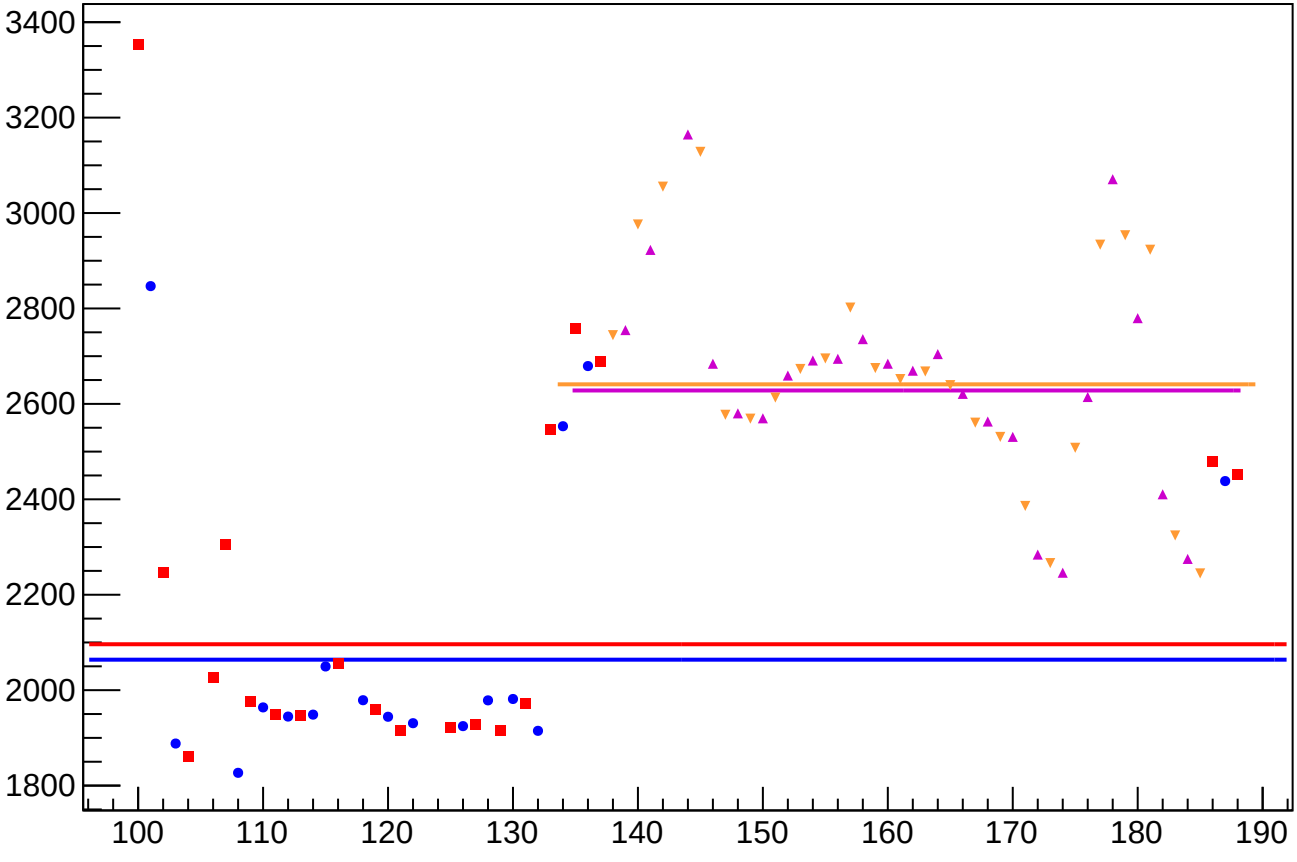
Right: 2016.502+/-526.313 χ^2/NDF: 26.8/36

In: 2424.030+/-480.165 χ^2/NDF:25.6/39

Out: 962.771+/-469.081 χ^2/NDF:67.3/43

All: 1676.340+/-335.540 χ^2/NDF: 97.6/83

dit_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2063.910+/-0.542 χ^2/NDF: 279525.6/16

Left Out: 2640.990+/-0.435 χ^2/NDF:253402.6/23

Right Out: 2096.258+/-0.511 χ^2/NDF: 264673.0/19

Left In: 2628.113+/-0.436 χ^2/NDF:237507.6/22

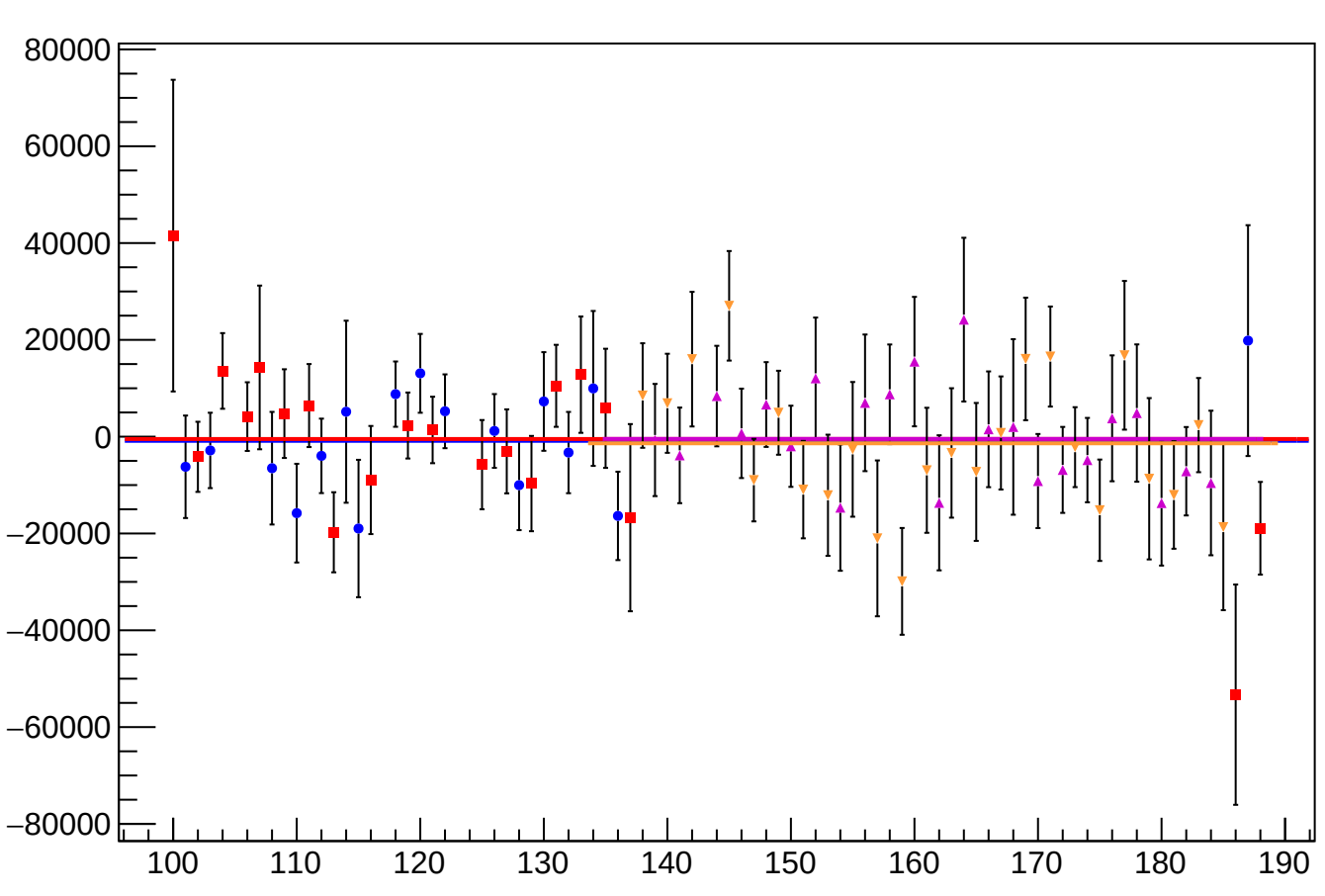
Left: 2634.556+/-0.308 χ^2/NDF: 491347.2/46

Right: 2081.020+/-0.372 χ^2/NDF: 546083.7/36

In: 2406.584+/-0.340 χ^2/NDF:1175541.2/39

Out: 2412.057+/-0.332 χ^2/NDF:1175945.4/43

All: 2409.386+/-0.237 χ^2/NDF: 2351619.6/83



Right In: -850.890+/-2284.057 χ^2/NDF: 16.1/16

Left Out: -1366.840+/-2326.289 χ^2/NDF:31.3/23

Right Out: -482.836+/-2089.725 χ^2/NDF: 27.9/19

Left In: -463.775+/-2314.478 χ^2/NDF:13.1/22

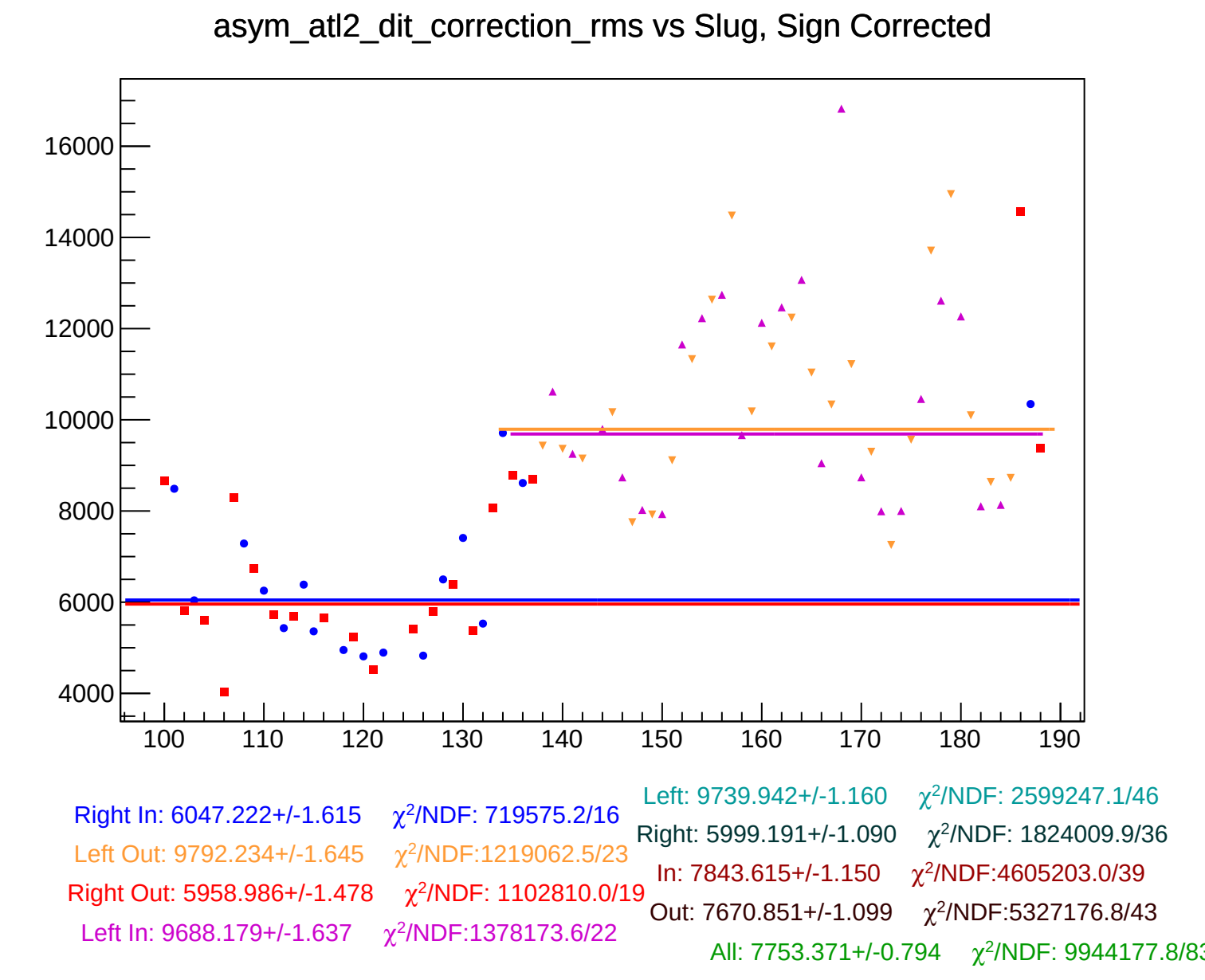
Left: -913.009+/-1640.743 χ^2/NDF: 44.4/46

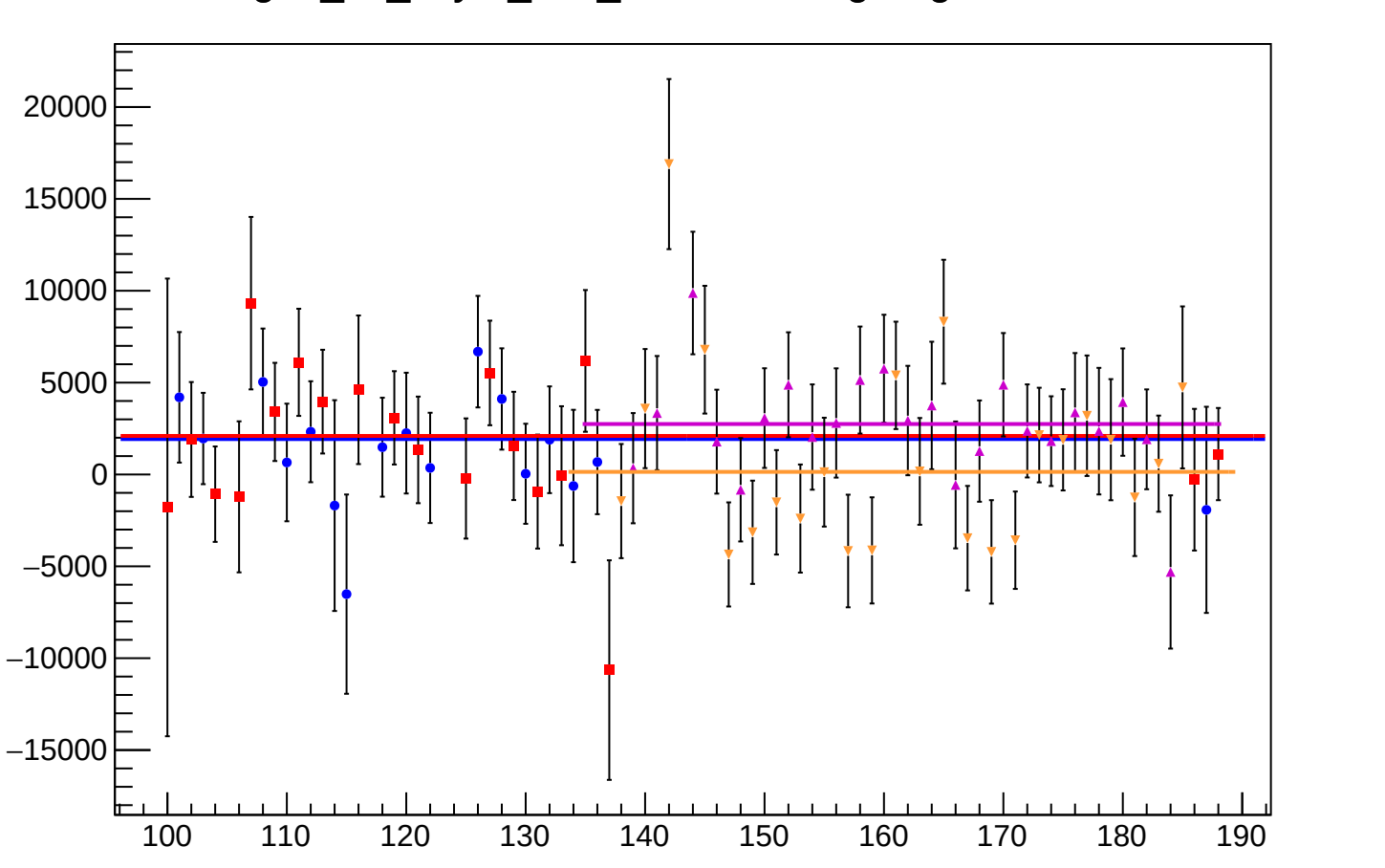
Right: -650.542+/-1541.792 χ^2/NDF: 44.0/36

In: -659.893+/-1625.721 χ^2/NDF:29.2/39

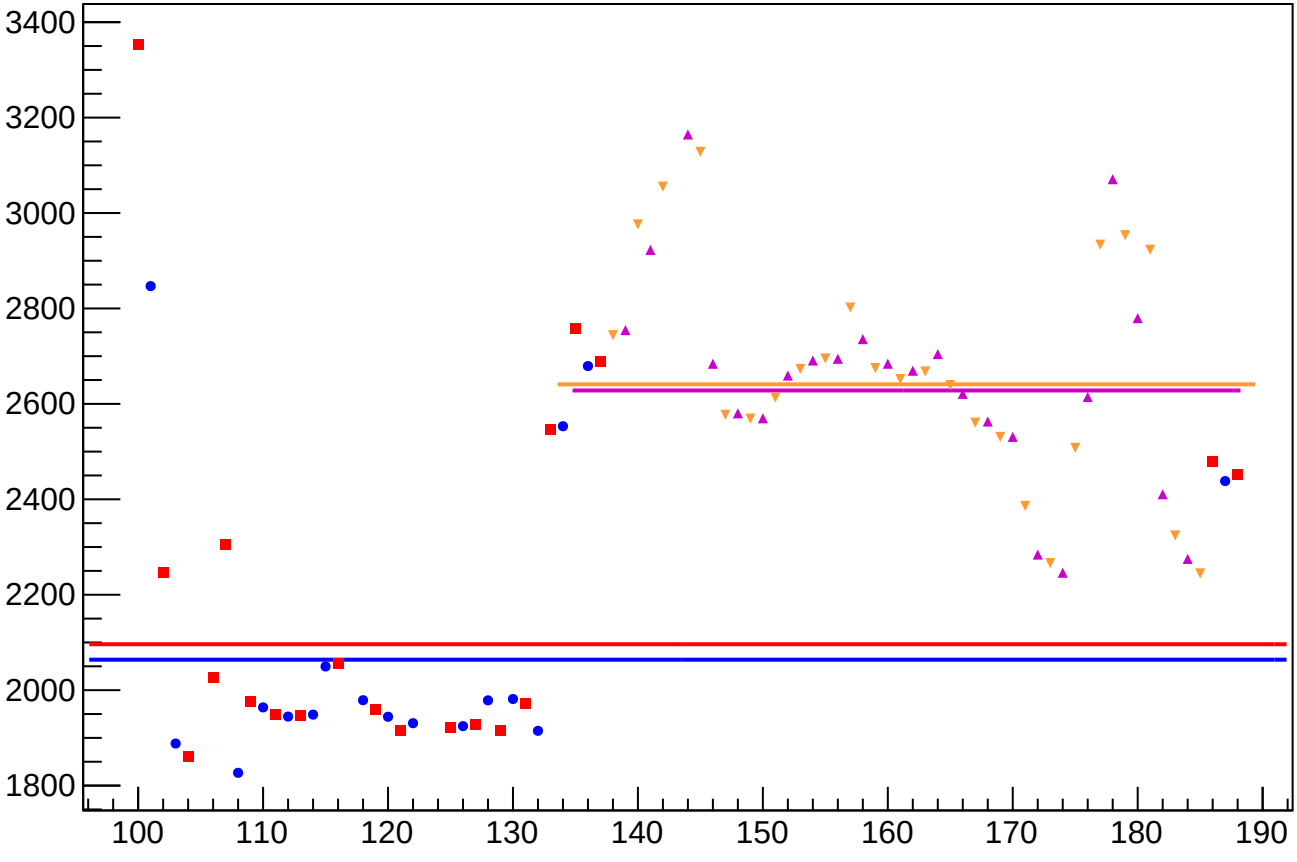
Out: -877.618+/-1554.587 χ^2/NDF:59.2/43

All: -773.623+/-1123.565 χ^2/NDF: 88.4/83


asym_atl2_dit_correction_rms vs Slug, Sign Corrected
16000
14000
12000
10000
8000
6000
4000
100
110
120
130
140
150
160
170
180
190
Right In: 6047.222+/-1.615 χ²/NDF: 719575.2/16
Left Out: 9792.234+/-1.645 χ²/NDF:1219062.5/23
Right Out: 5958.986+/-1.478 χ²/NDF: 1102810.0/19
Left In: 9688.179+/-1.637 χ²/NDF:1378173.6/22
Left: 9739.942+/-1.160 χ²/NDF: 2599247.1/46
Right: 5999.191+/-1.090 χ²/NDF: 1824009.9/36
In: 7843.615+/-1.150 χ²/NDF:4605203.0/39
Out: 7670.851+/-1.099 χ²/NDF:5327176.8/43
All: 7753.371+/-0.794 χ²/NDF: 9944177.8/83


eigen_dit_asym_atl2_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
180
190
Right In: 1926.022+/-766.290 χ²/NDF: 9.5/16
Left Out: 142.487+/-615.732 χ²/NDF:45.8/23
Right Out: 2097.313+/-724.136 χ²/NDF: 17.3/19
Left In: 2745.980+/-616.124 χ²/NDF:15.4/22
Left: 1443.405+/-435.527 χ²/NDF: 70.2/46
Right: 2016.508+/-526.313 χ²/NDF: 26.8/36
In: 2424.031+/-480.165 χ²/NDF:25.6/39
Out: 962.769+/-469.081 χ²/NDF:67.3/43
All: 1676.340+/-335.541 χ²/NDF: 97.6/83

eigen_dit_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2063.910+/-0.542 χ^2/NDF: 279525.6/16

Left Out: 2640.993+/-0.435 χ^2/NDF:253411.8/23

Right Out: 2096.258+/-0.511 χ^2/NDF: 264673.0/19

Left In: 2628.116+/-0.436 χ^2/NDF:237516.8/22

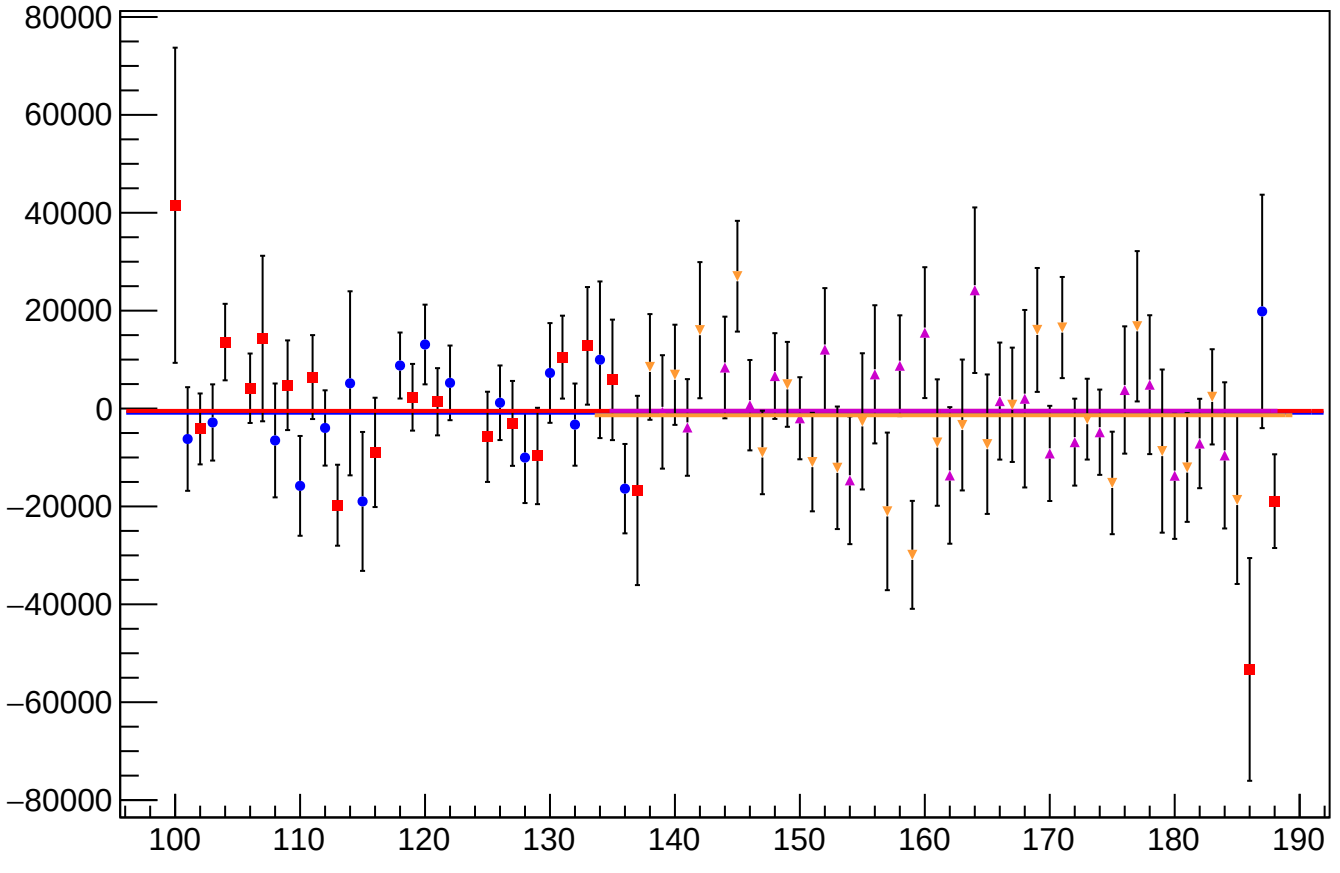
Left: 2634.558+/-0.308 χ^2/NDF: 491365.7/46

Right: 2081.020+/-0.372 χ^2/NDF: 546083.5/36

In: 2406.586+/-0.340 χ^2/NDF:1175554.8/39

Out: 2412.058+/-0.332 χ^2/NDF:1175960.4/43

All: 2409.387+/-0.237 χ^2/NDF: 2351648.2/83



Right In: -850.879+/-2284.050 χ^2/NDF: 16.1/16

Left Out: -1366.849+/-2326.293 χ^2/NDF:31.3/23

Right Out: -482.824+/-2089.719 χ^2/NDF: 27.9/19

Left In: -463.777+/-2314.482 χ^2/NDF:13.1/22

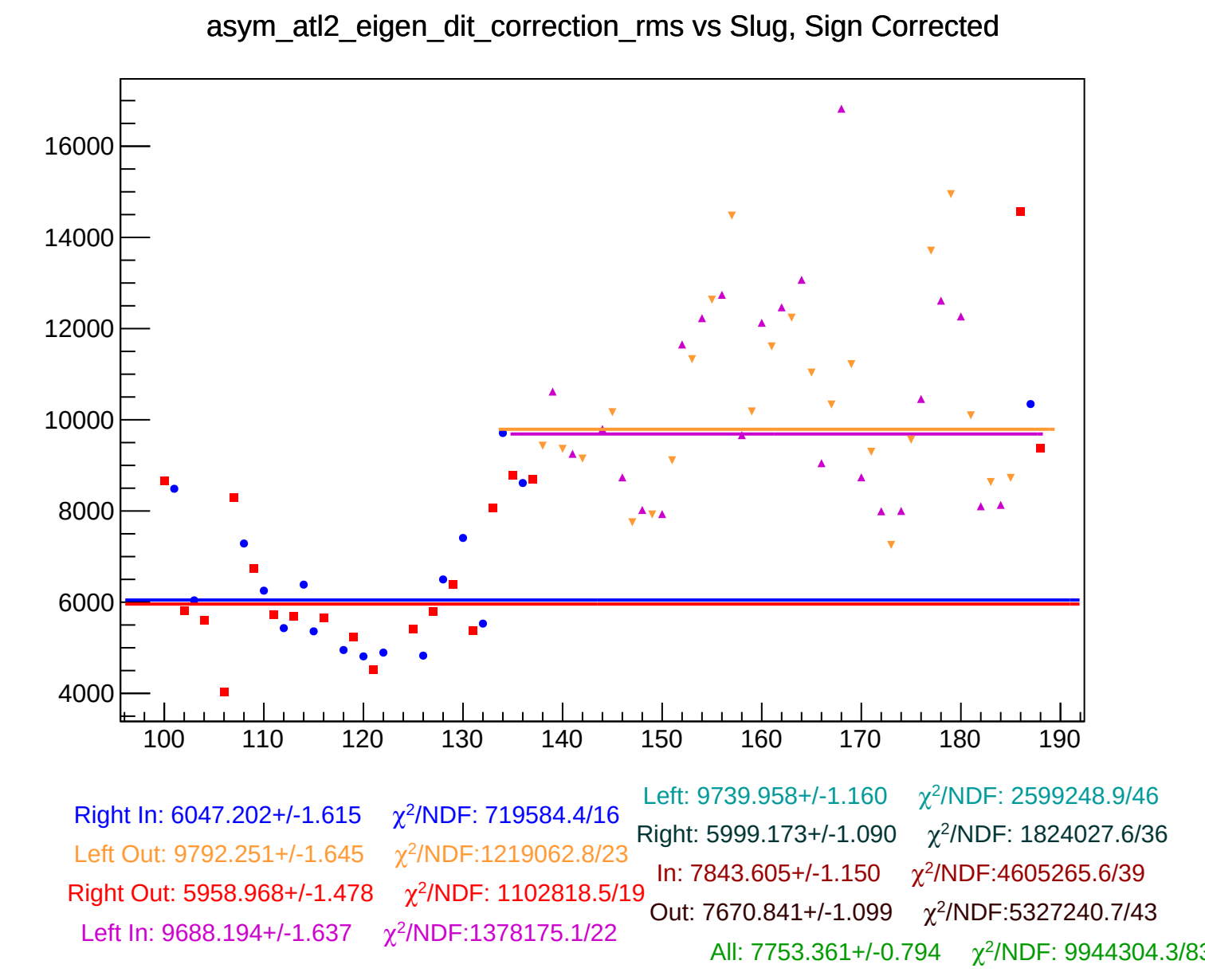
Left: -913.015+/-1640.746 χ^2/NDF: 44.4/46

Right: -650.531+/-1541.787 χ^2/NDF: 44.0/36

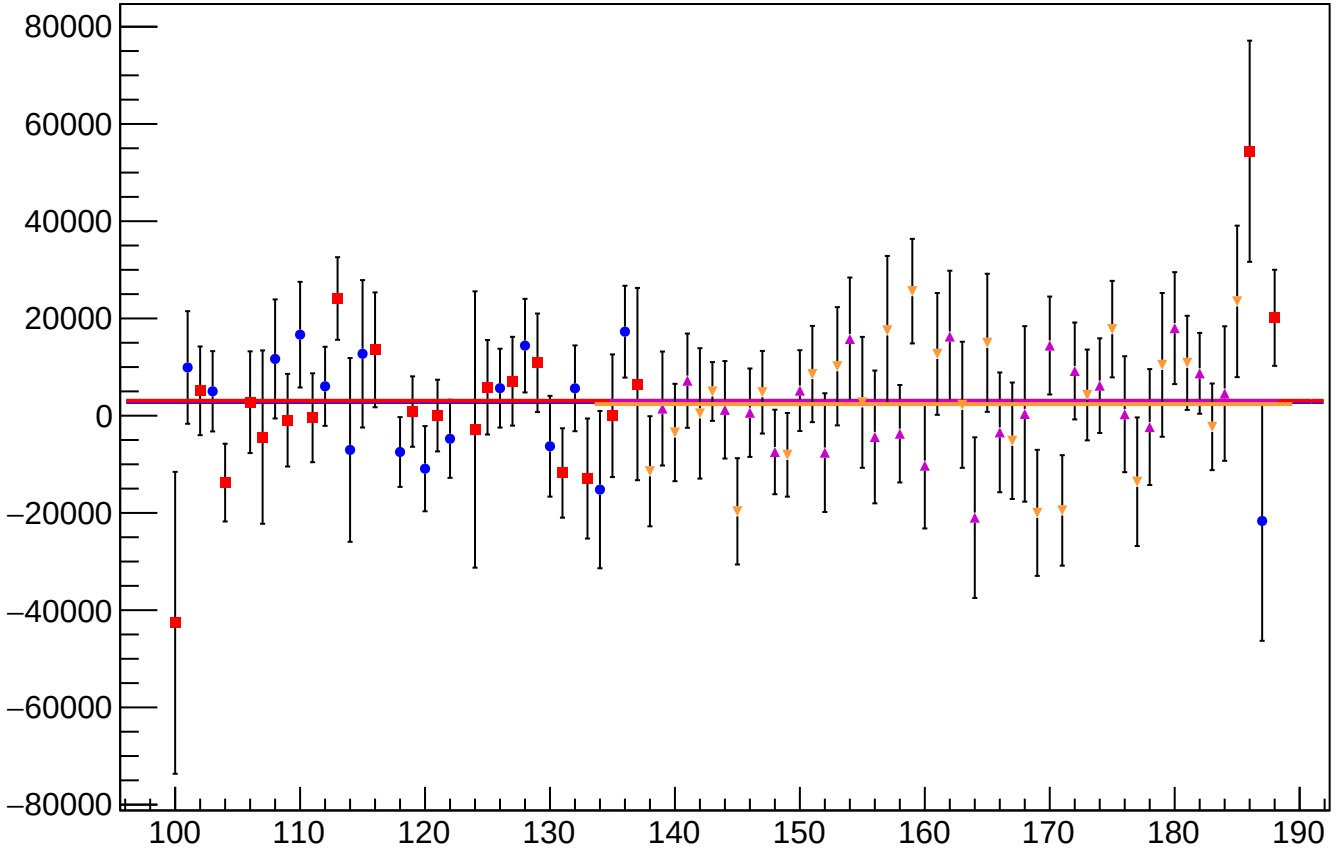
In: -659.889+/-1625.720 χ^2/NDF:29.2/39

Out: -877.614+/-1554.586 χ^2/NDF:59.2/43

All: -773.619+/-1123.564 χ^2/NDF: 88.4/83


asym_atl2_eigen_dit_correction_rms vs Slug, Sign Corrected
16000
14000
12000
10000
8000
6000
4000
100
110
120
130
140
150
160
170
180
190
Right In: 6047.202+/-1.615 χ²/NDF: 719584.4/16
Left Out: 9792.251+/-1.645 χ²/NDF:1219062.8/23
Right Out: 5958.968+/-1.478 χ²/NDF: 1102818.5/19
Left In: 9688.194+/-1.637 χ²/NDF:1378175.1/22
Left: 9739.958+/-1.160 χ²/NDF: 2599248.9/46
Right: 5999.173+/-1.090 χ²/NDF: 1824027.6/36
In: 7843.605+/-1.150 χ²/NDF:4605265.6/39
Out: 7670.841+/-1.099 χ²/NDF:5327240.7/43
All: 7753.361+/-0.794 χ²/NDF: 9944304.3/83

asym_atl2_mean vs Slug, Sign Corrected



Right In: 2834.003+/-2409.127 χ^2/NDF: 15.9/16

Left Out: 2387.857+/-2136.530 χ^2/NDF:29.7/24

Right Out: 3062.909+/-2261.910 χ^2/NDF: 27.7/20

Left In: 2963.537+/-2278.927 χ^2/NDF:13.0/22

Left: 2657.151+/-1558.666 χ^2/NDF: 42.8/47

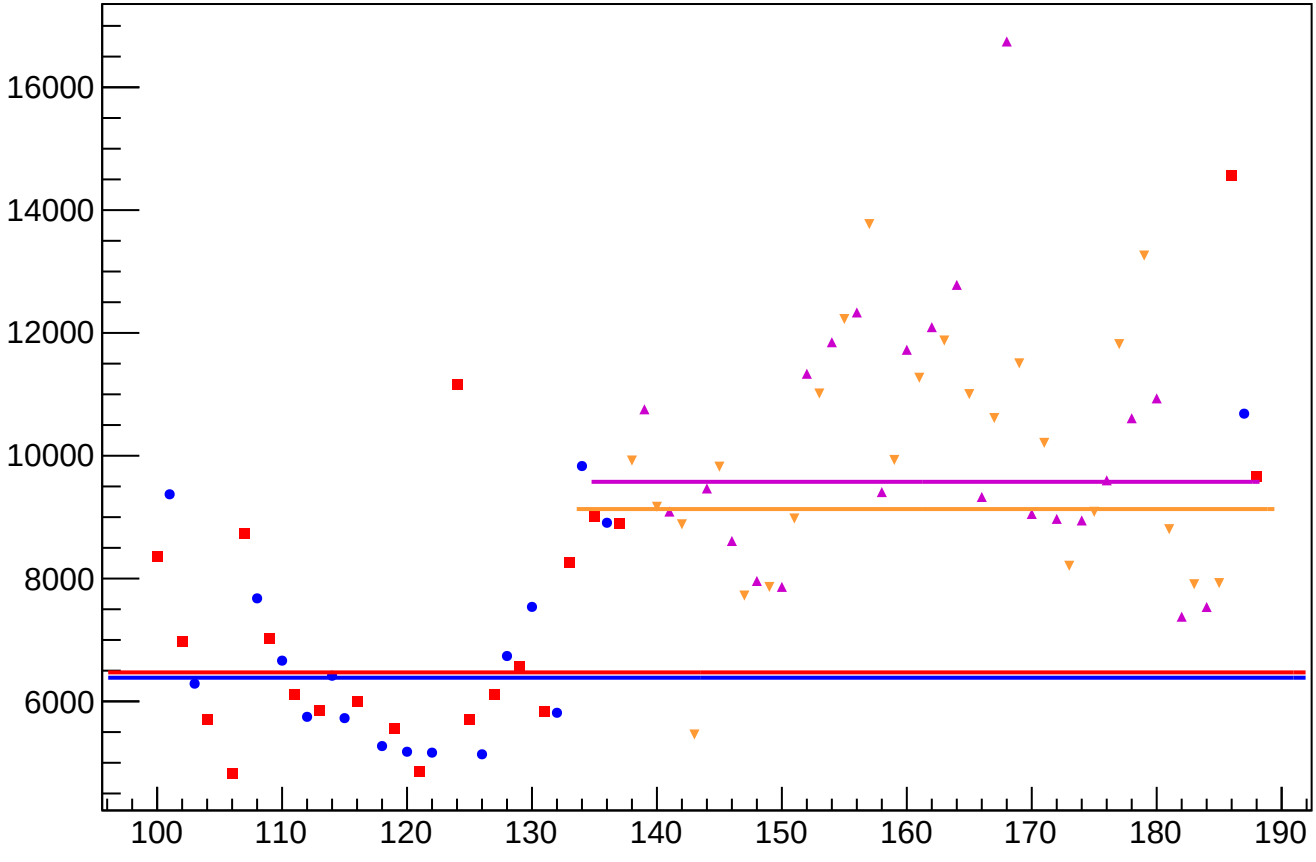
Right: 2955.664+/-1649.002 χ^2/NDF: 43.6/37

In: 2902.365+/-1655.561 χ^2/NDF:28.8/39

Out: 2706.156+/-1553.189 χ^2/NDF:57.5/45

All: 2798.007+/-1132.733 χ^2/NDF: 86.3/85

asym_atl2_rms vs Slug, Sign Corrected



Right In: 6385.285+/-1.704 χ^2/NDF: 682716.4/16

Left Out: 9131.714+/-1.511 χ^2/NDF:1811661.2/24

Right Out: 6472.012+/-1.599 χ^2/NDF: 959482.5/20

Left In: 9575.233+/-1.611 χ^2/NDF:1153802.3/22

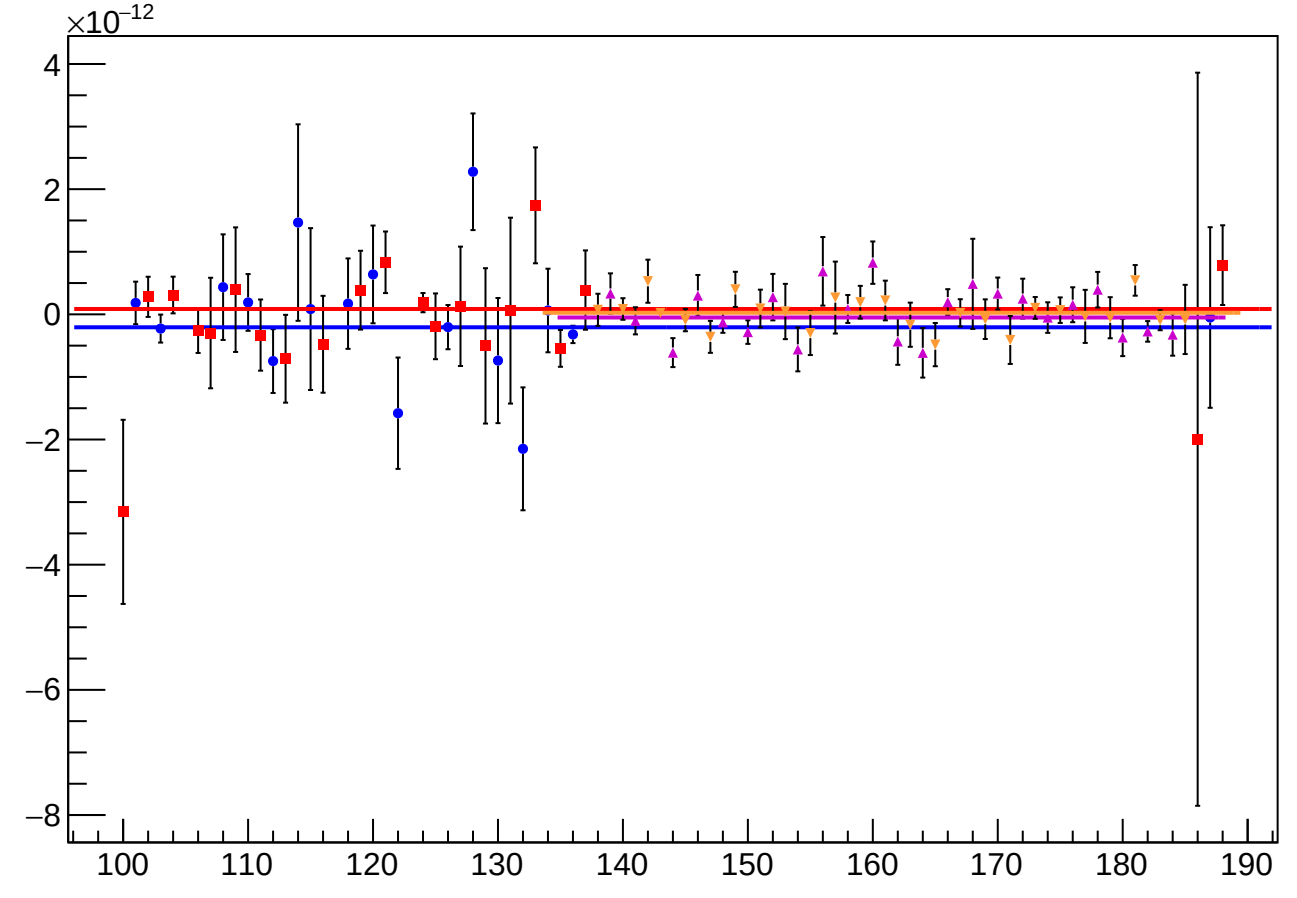
Left: 9339.185+/-1.102 χ^2/NDF: 3005779.9/47

Right: 6431.379+/-1.166 χ^2/NDF: 1643576.5/37

In: 8068.781+/-1.171 χ^2/NDF:3687099.4/39

Out: 7877.614+/-1.098 χ^2/NDF:4232571.3/45

All: 7967.105+/-0.801 χ^2/NDF: 7933853.9/85



Right In: -0.000+/-0.000 χ^2/NDF: 20.9/16

Left Out: 0.000+/-0.000 χ^2/NDF:17.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 22.2/20

Left In: -0.000+/-0.000 χ^2/NDF:36.8/22

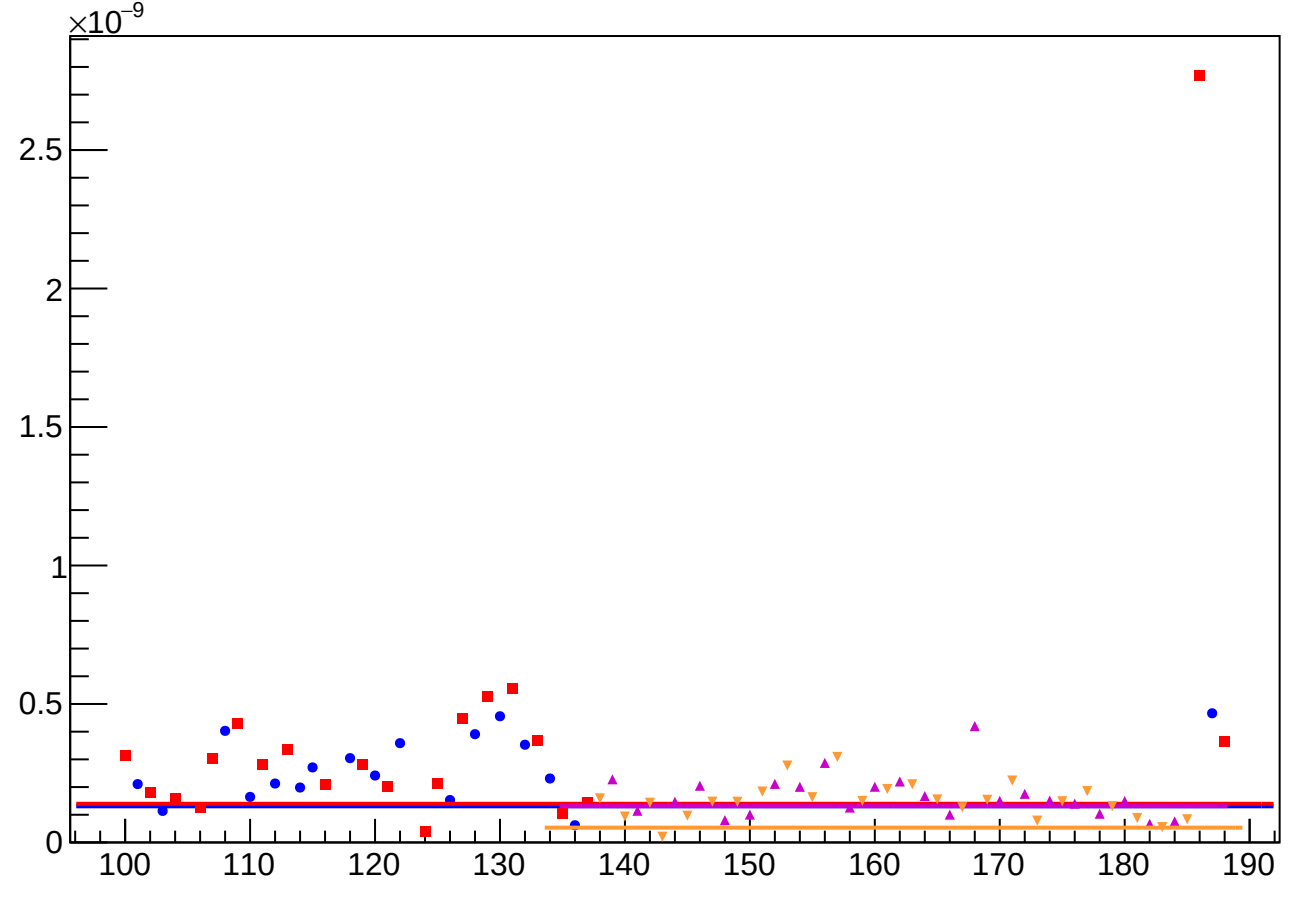
Left: 0.000+/-0.000 χ^2/NDF: 56.1/47

Right: -0.000+/-0.000 χ^2/NDF: 47.9/37

In: -0.000+/-0.000 χ^2/NDF:59.8/39

Out: 0.000+/-0.000 χ^2/NDF:40.5/45

All: -0.000+/-0.000 χ^2/NDF: 105.0/85



Right In: 0.000+/-0.000 χ^2/NDF: 1829189.1/16

Left Out: 0.000+/-0.000 χ^2/NDF:7244510.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2960991.0/20

Left In: 0.000+/-0.000 χ^2/NDF:1904207.4/22

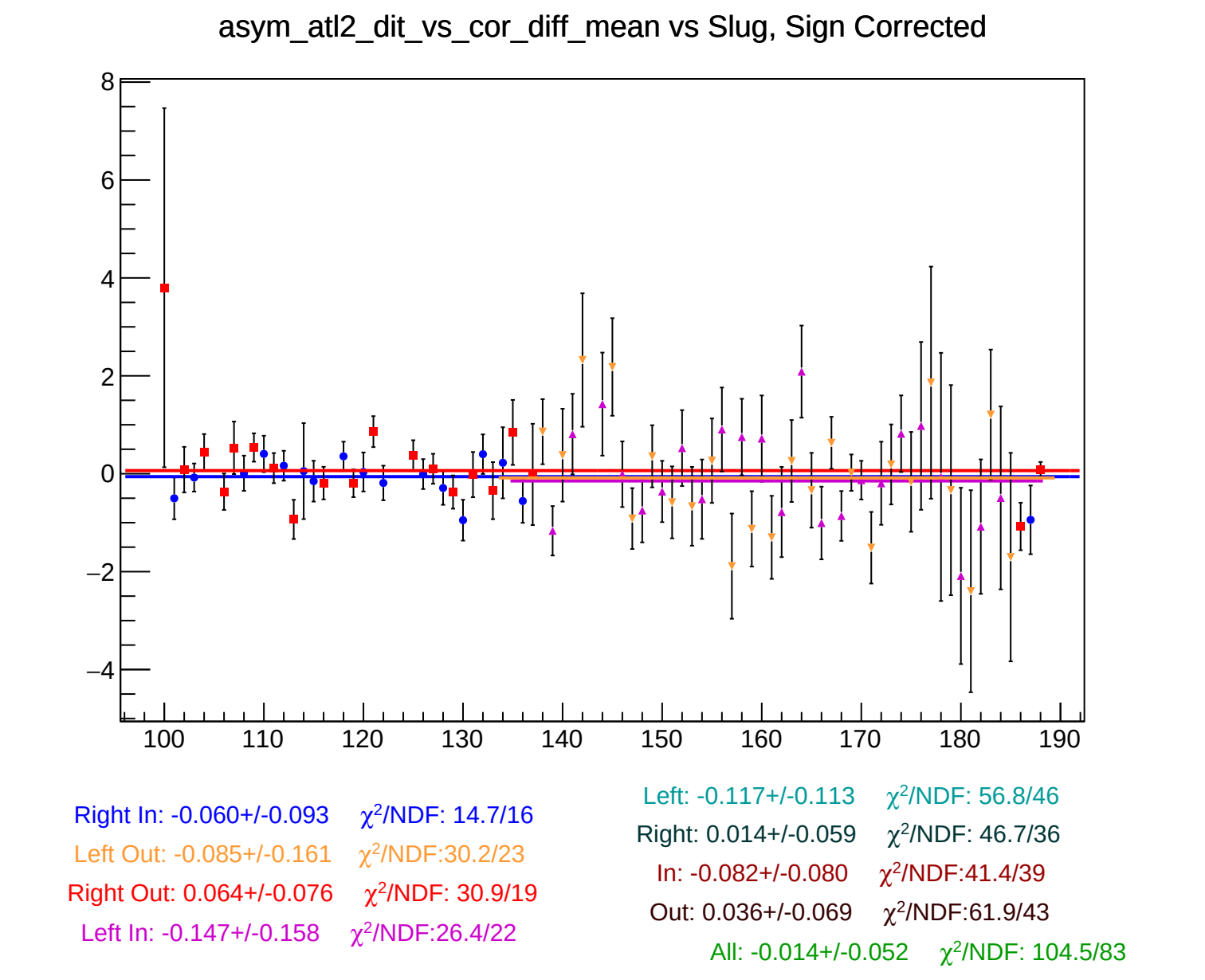
Left: 0.000+/-0.000 χ^2/NDF: 12255967.6/47

Right: 0.000+/-0.000 χ^2/NDF: 4799433.7/37

In: 0.000+/-0.000 χ^2/NDF:3733449.8/39

Out: 0.000+/-0.000 χ^2/NDF:11714704.2/45

All: 0.000+/-0.000 χ^2/NDF: 18642510.9/85


asym_atl2_dit_vs_cor_diff_mean vs Slug, Sign Corrected
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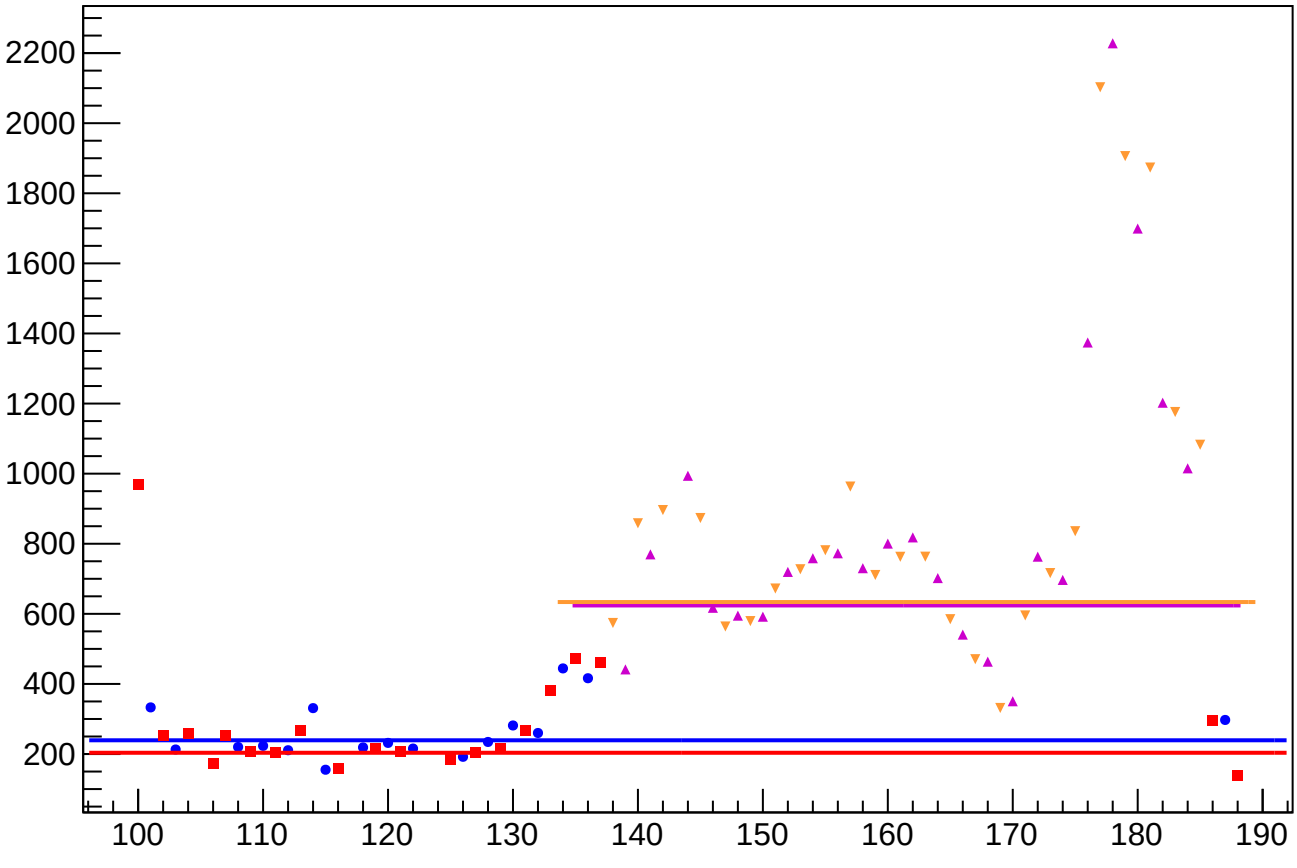
Right In: -0.060+/-0.093 χ²/NDF: 14.7/16
Left Out: -0.085+/-0.161 χ²/NDF:30.2/23
Right Out: 0.064+/-0.076 χ²/NDF: 30.9/19
Left In: -0.147+/-0.158 χ²/NDF:26.4/22
Left: -0.117+/-0.113 χ²/NDF: 56.8/46
Right: 0.014+/-0.059 χ²/NDF: 46.7/36
In: -0.082+/-0.080 χ²/NDF:41.4/39
Out: 0.036+/-0.069 χ²/NDF:61.9/43
All: -0.014+/-0.052 χ²/NDF: 104.5/83



Right In: 239.202+/-0.066 χ^2/NDF: 821137.0/16

Left Out: 633.674+/-0.114 χ^2/NDF:4994105.8/23

Right Out: 203.574+/-0.054 χ^2/NDF: 1406011.7/19

Left In: 623.916+/-0.112 χ^2/NDF:4541431.8/22

Left: 628.697+/-0.080 χ^2/NDF: 9539265.1/46

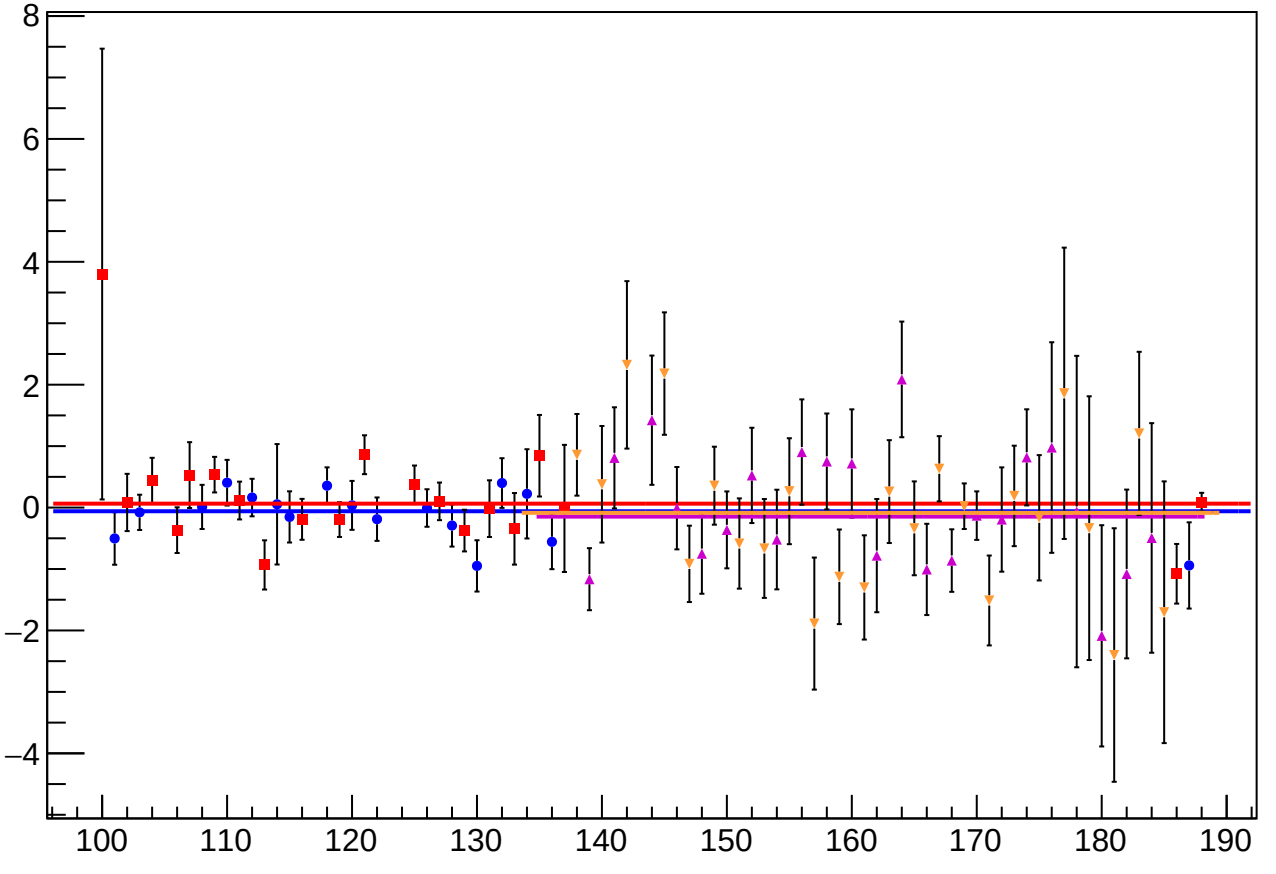
Right: 217.956+/-0.042 χ^2/NDF: 2402296.6/36

In: 337.952+/-0.057 χ^2/NDF:14152830.2/39

Out: 282.435+/-0.049 χ^2/NDF:17993938.4/43

All: 306.113+/-0.037 χ^2/NDF: 32697007.9/83

asym_atl2_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.060+/-0.093 χ^2/NDF: 14.7/16

Left Out: -0.085+/-0.161 χ^2/NDF:30.2/23

Right Out: 0.064+/-0.076 χ^2/NDF: 30.9/19

Left In: -0.147+/-0.158 χ^2/NDF:26.4/22

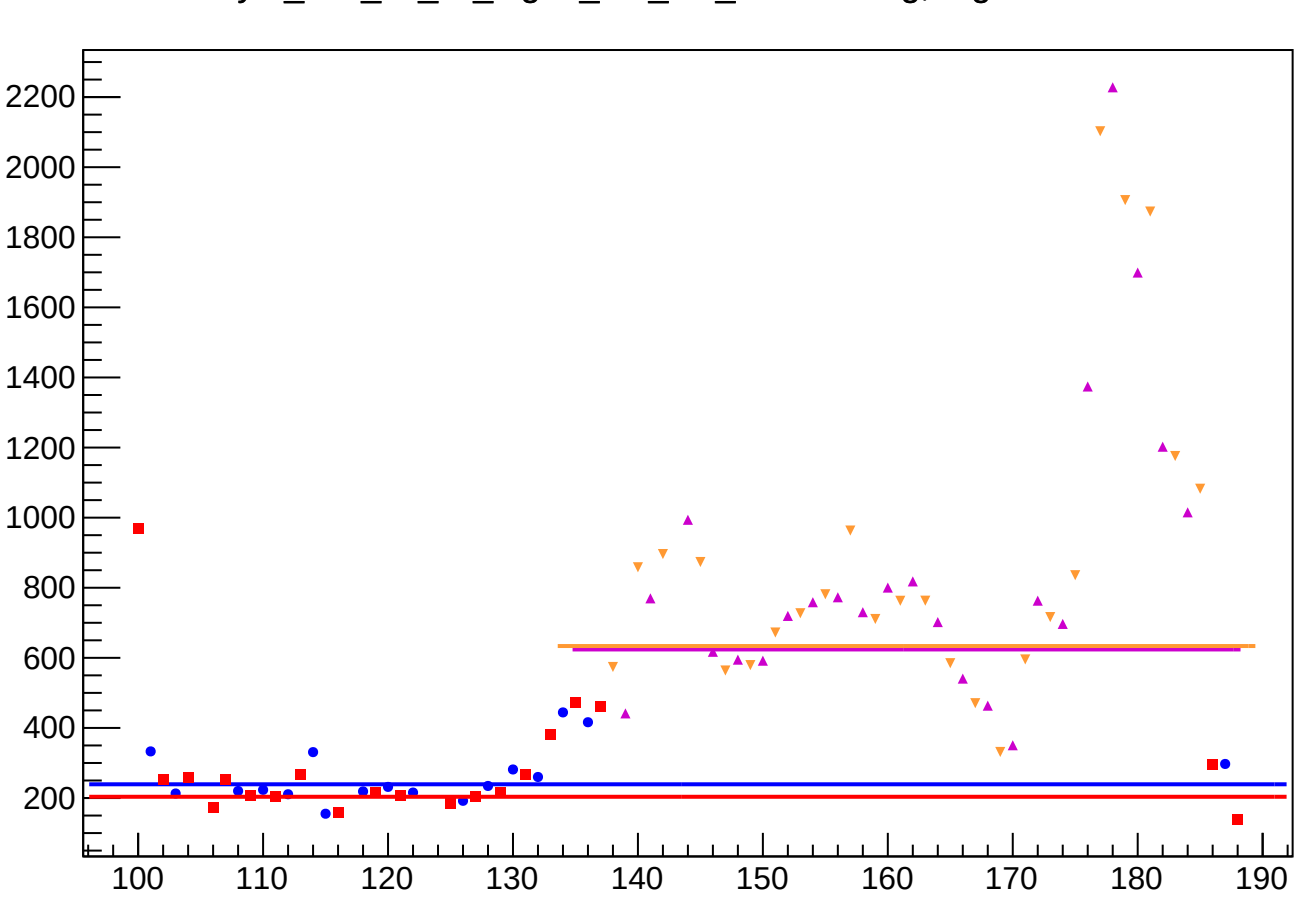
Left: -0.117+/-0.113 χ^2/NDF: 56.8/46

Right: 0.014+/-0.059 χ^2/NDF: 46.7/36

In: -0.082+/-0.080 χ^2/NDF:41.4/39

Out: 0.036+/-0.069 χ^2/NDF:61.9/43

All: -0.014+/-0.052 χ^2/NDF: 104.5/83


asym_atl2_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
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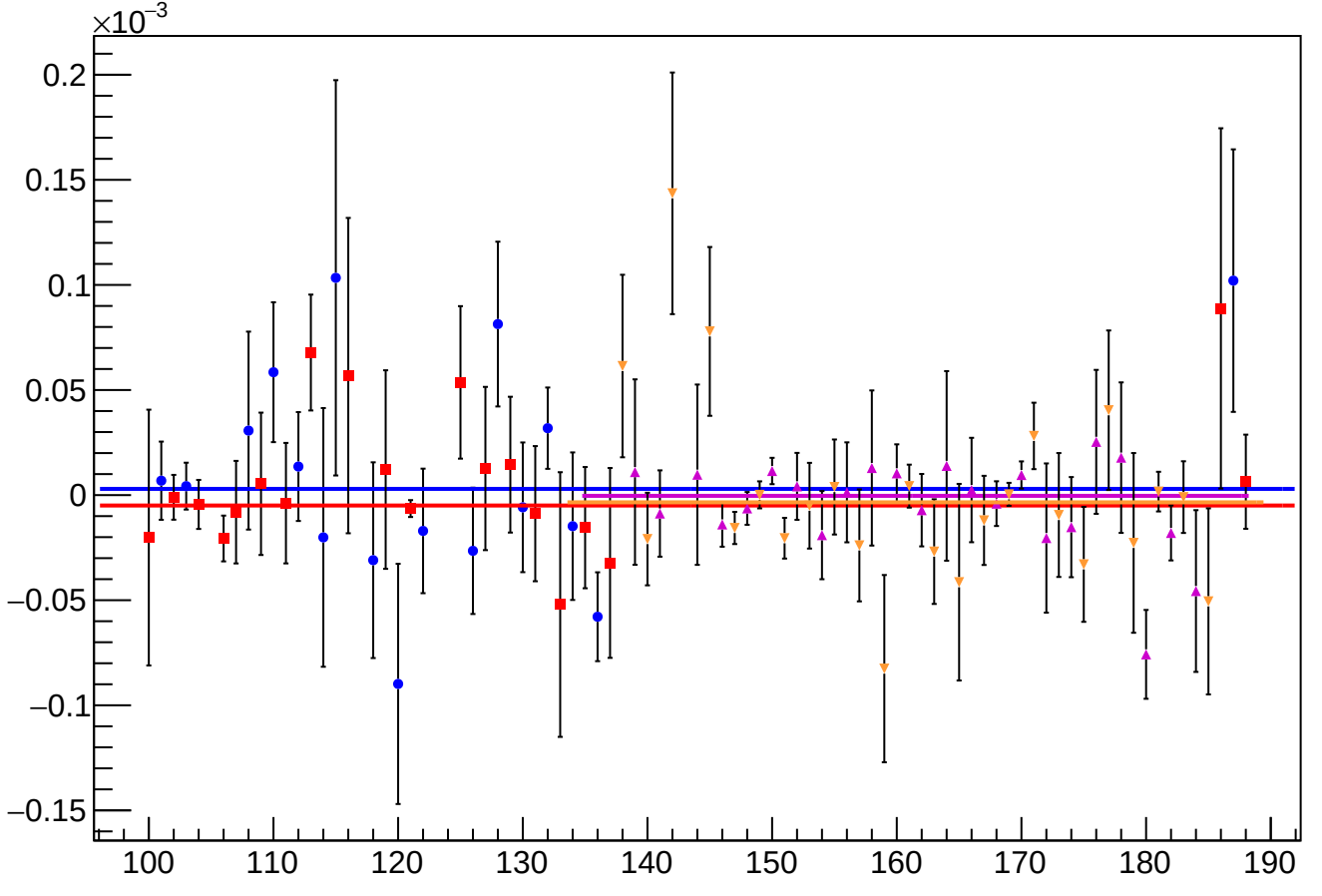
Right In: 239.202+/-0.066 χ²/NDF: 821137.0/16
Left Out: 633.674+/-0.114 χ²/NDF:4994105.8/23
Right Out: 203.574+/-0.054 χ²/NDF: 1406011.7/19
Left In: 623.916+/-0.112 χ²/NDF:4541431.8/22
Left: 628.697+/-0.080 χ²/NDF: 9539265.1/46
Right: 217.956+/-0.042 χ²/NDF: 2402296.6/36
In: 337.952+/-0.057 χ²/NDF:14152830.2/39
Out: 282.435+/-0.049 χ²/NDF:17993938.4/43
All: 306.113+/-0.037 χ²/NDF: 32697007.9/83



Right In: 0.000+/-0.000 χ^2/NDF: 26.6/16

Left Out: -0.000+/-0.000 χ^2/NDF:34.3/23

Right Out: -0.000+/-0.000 χ^2/NDF: 16.0/19

Left In: -0.000+/-0.000 χ^2/NDF:27.9/22

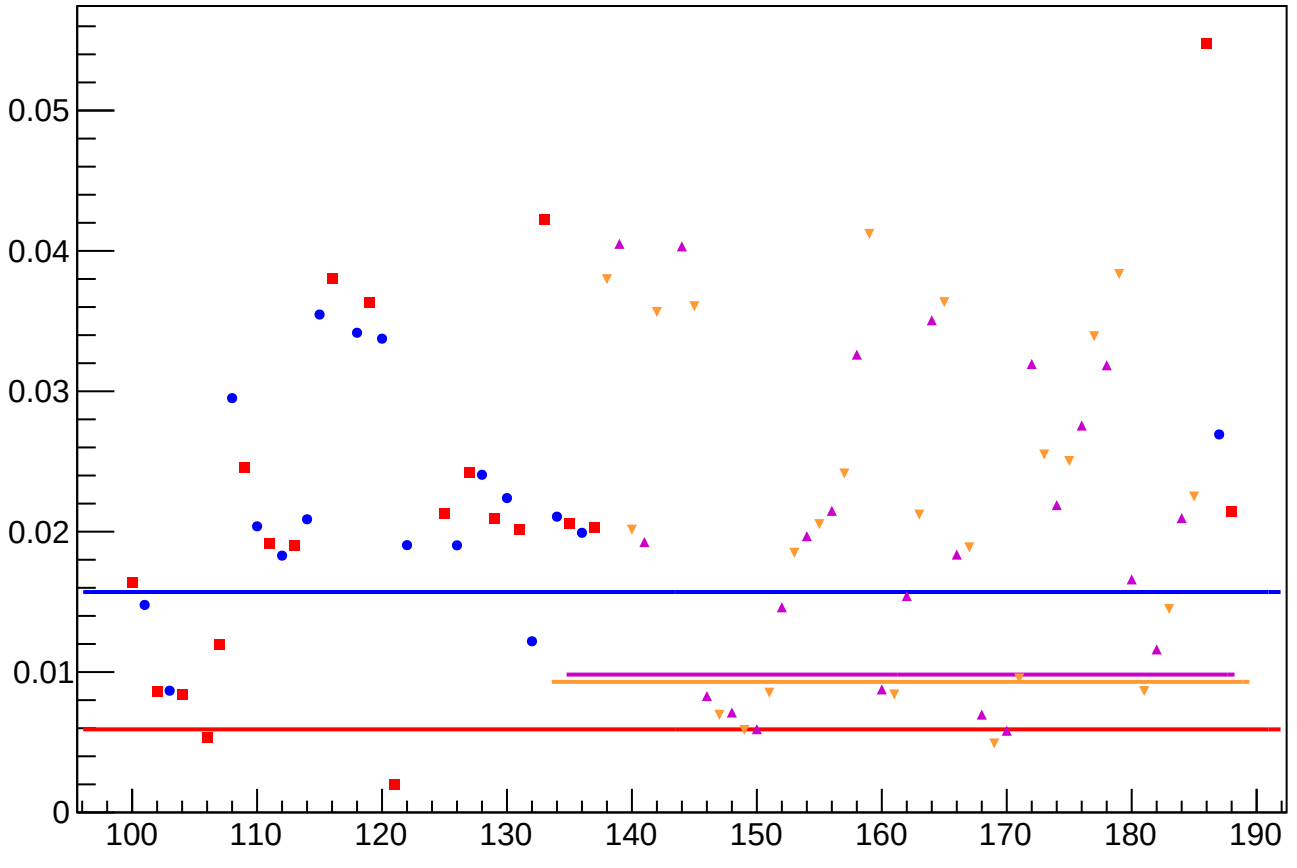
Left: -0.000+/-0.000 χ^2/NDF: 62.8/46

Right: -0.000+/-0.000 χ^2/NDF: 43.8/36

In: 0.000+/-0.000 χ^2/NDF:54.7/39

Out: -0.000+/-0.000 χ^2/NDF:50.4/43

All: -0.000+/-0.000 χ^2/NDF: 106.8/83



Right In: 0.016+/-0.000 χ^2/NDF: 2139935.6/16

Left Out: 0.009+/-0.000 χ^2/NDF:12224529.3/23

Right Out: 0.006+/-0.000 χ^2/NDF: 9590414.8/19

Left In: 0.010+/-0.000 χ^2/NDF:10307261.6/22

Left: 0.010+/-0.000 χ^2/NDF: 22565208.8/46

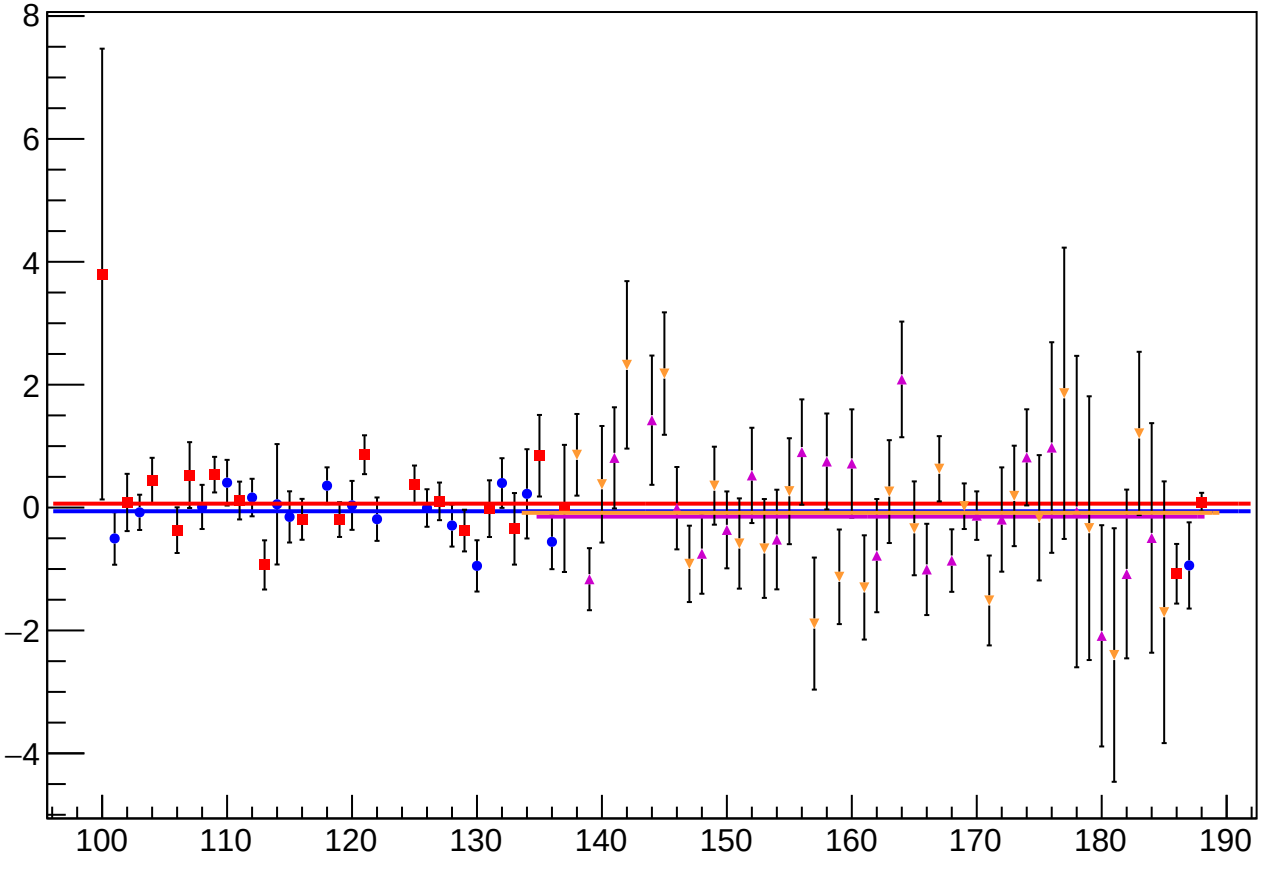
Right: 0.008+/-0.000 χ^2/NDF: 15539849.9/36

In: 0.011+/-0.000 χ^2/NDF:13869951.5/39

Out: 0.008+/-0.000 χ^2/NDF:23117962.1/43

All: 0.009+/-0.000 χ^2/NDF: 38576311.2/83

asym_atl2_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.060+/-0.093 χ^2/NDF: 14.7/16

Left Out: -0.085+/-0.161 χ^2/NDF:30.2/23

Right Out: 0.064+/-0.076 χ^2/NDF: 30.9/19

Left In: -0.147+/-0.158 χ^2/NDF:26.4/22

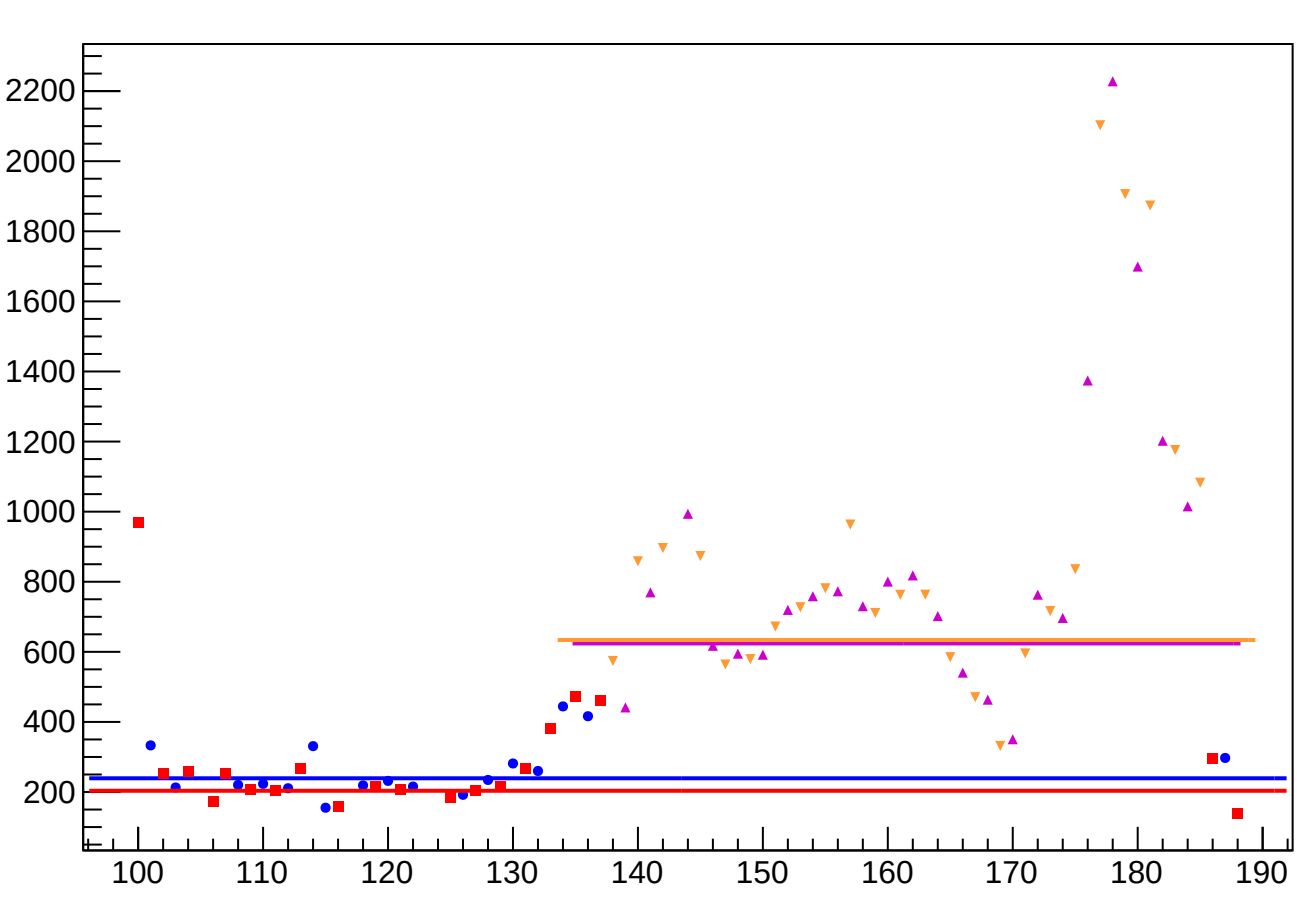
Left: -0.117+/-0.113 χ^2/NDF: 56.8/46

Right: 0.014+/-0.059 χ^2/NDF: 46.7/36

In: -0.082+/-0.080 χ^2/NDF:41.4/39

Out: 0.036+/-0.069 χ^2/NDF:61.9/43

All: -0.014+/-0.052 χ^2/NDF: 104.5/83


asym_atl2_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected
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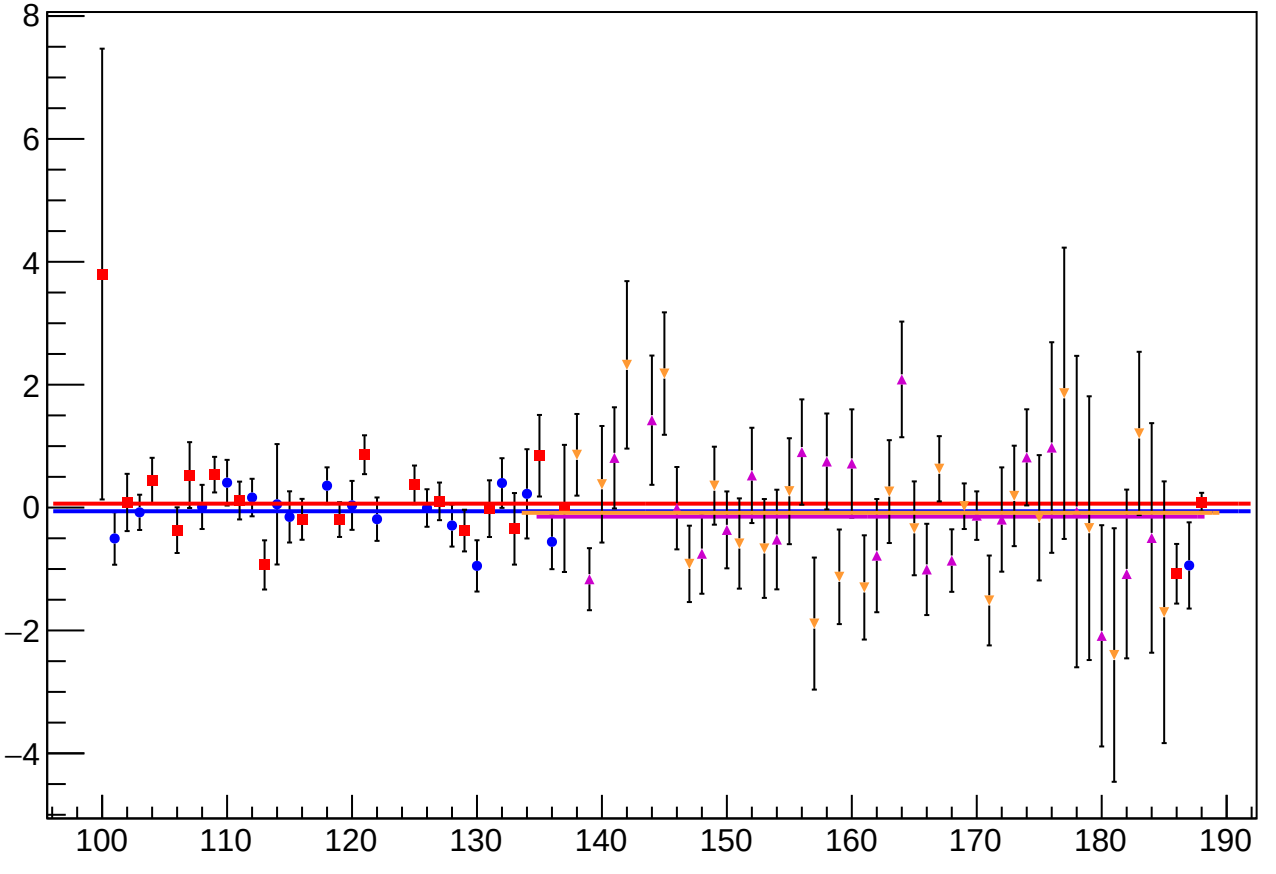
Right In: 239.203+/-0.066 χ²/NDF: 821105.9/16
Left Out: 633.678+/-0.114 χ²/NDF:4994172.5/23
Right Out: 203.571+/-0.054 χ²/NDF: 1406056.9/19
Left In: 623.922+/-0.112 χ²/NDF:4541413.9/22
Left: 628.702+/-0.080 χ²/NDF: 9539311.9/46
Right: 217.954+/-0.042 χ²/NDF: 2402349.3/36
In: 337.954+/-0.057 χ²/NDF:14152888.8/39
Out: 282.430+/-0.049 χ²/NDF:17994339.3/43
All: 306.111+/-0.037 χ²/NDF: 32697575.4/83

asym_atl2_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.060+/-0.093 χ^2/NDF: 14.7/16

Left Out: -0.085+/-0.161 χ^2/NDF:30.2/23

Right Out: 0.064+/-0.076 χ^2/NDF: 30.9/19

Left In: -0.147+/-0.158 χ^2/NDF:26.4/22

Left: -0.117+/-0.113 χ^2/NDF: 56.8/46

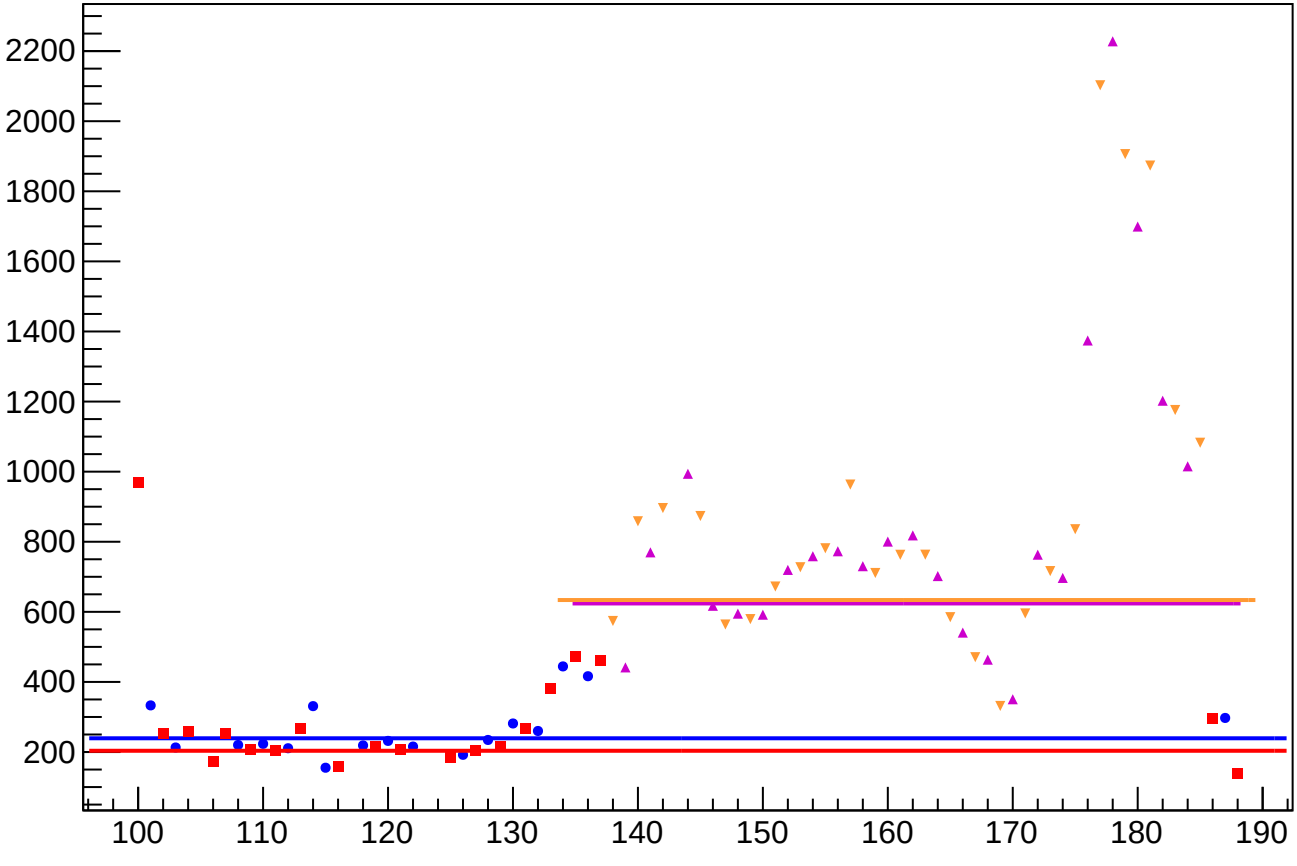
Right: 0.014+/-0.059 χ^2/NDF: 46.7/36

In: -0.082+/-0.080 χ^2/NDF:41.4/39

Out: 0.036+/-0.069 χ^2/NDF:61.9/43

All: -0.014+/-0.052 χ^2/NDF: 104.5/83

asym_atl2_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 239.203+/-0.066 χ^2/NDF: 821105.9/16

Left Out: 633.678+/-0.114 χ^2/NDF:4994172.5/23

Right Out: 203.571+/-0.054 χ^2/NDF: 1406056.9/19

Left In: 623.922+/-0.112 χ^2/NDF:4541413.9/22

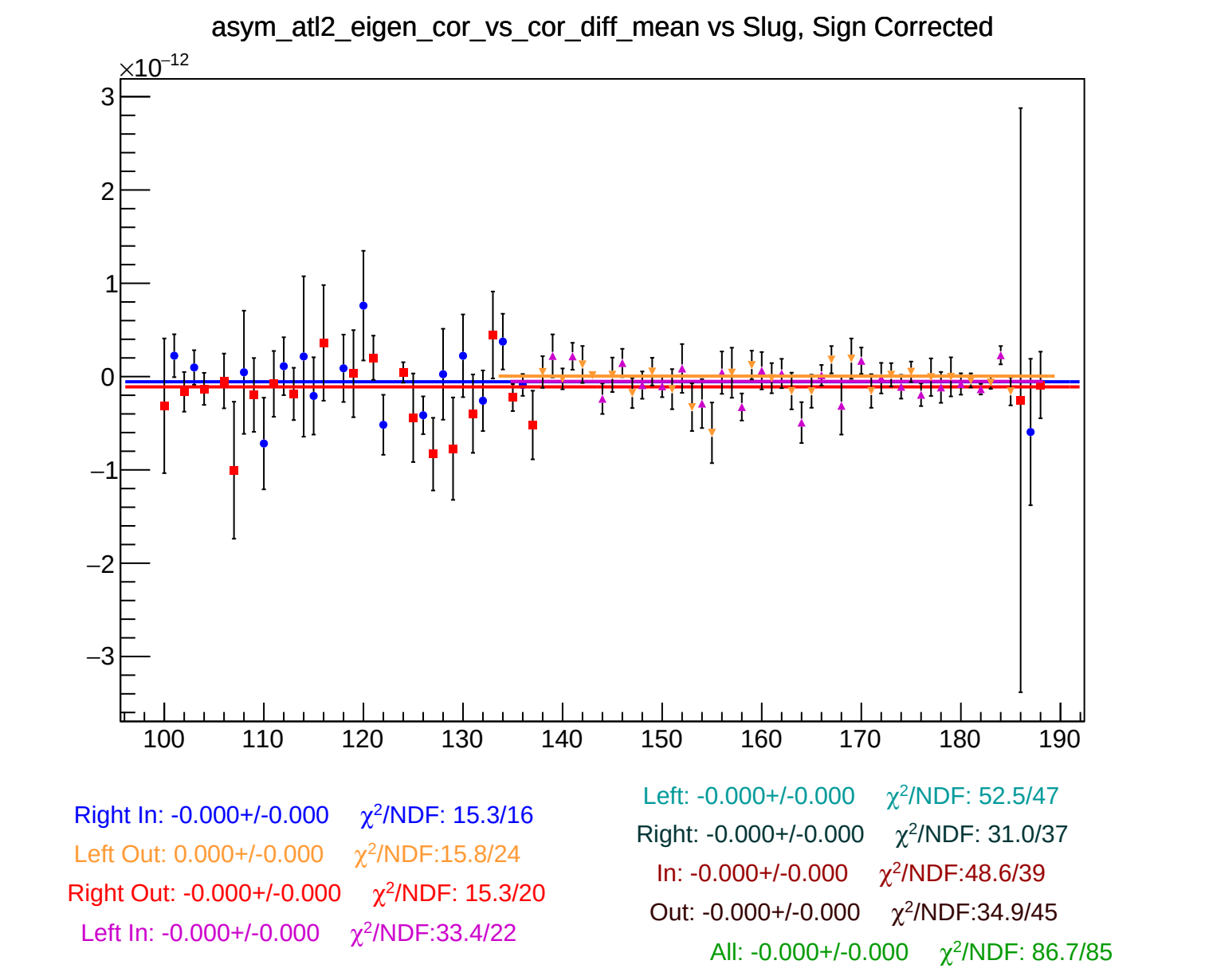
Left: 628.702+/-0.080 χ^2/NDF: 9539311.9/46

Right: 217.954+/-0.042 χ^2/NDF: 2402349.3/36

In: 337.954+/-0.057 χ^2/NDF:14152888.8/39

Out: 282.430+/-0.049 χ^2/NDF:17994339.3/43

All: 306.111+/-0.037 χ^2/NDF: 32697575.4/83


asym_atl2_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
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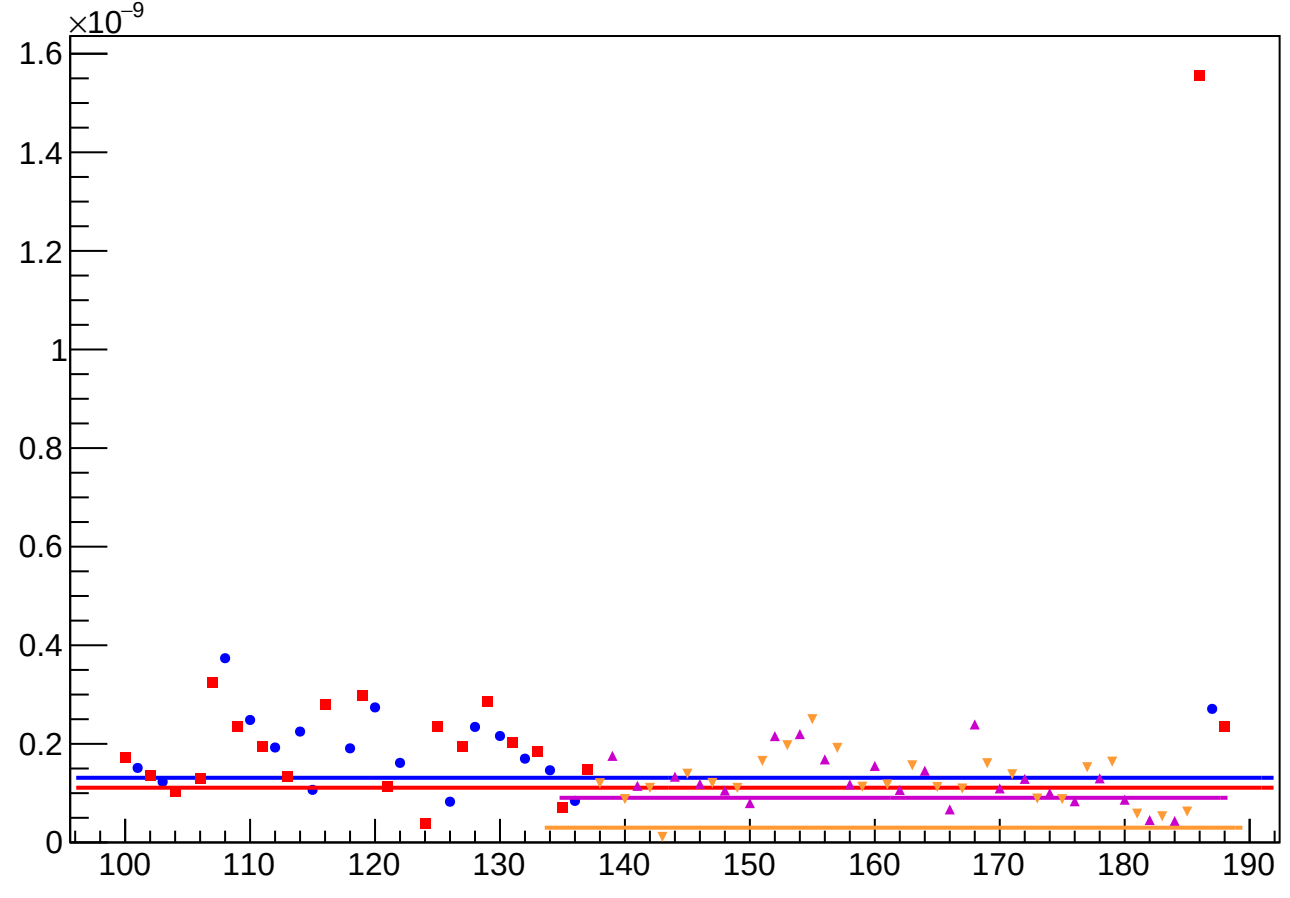
Right In: -0.000+/-0.000 χ²/NDF: 15.3/16
Left Out: 0.000+/-0.000 χ²/NDF:15.8/24
Right Out: -0.000+/-0.000 χ²/NDF: 15.3/20
Left In: -0.000+/-0.000 χ²/NDF:33.4/22
Left: -0.000+/-0.000 χ²/NDF: 52.5/47
Right: -0.000+/-0.000 χ²/NDF: 31.0/37
In: -0.000+/-0.000 χ²/NDF:48.6/39
Out: -0.000+/-0.000 χ²/NDF:34.9/45
All: -0.000+/-0.000 χ²/NDF: 86.7/85



Right In: 0.000+/-0.000 χ^2/NDF: 1398168.5/16

Left Out: 0.000+/-0.000 χ^2/NDF:17263498.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3335935.2/20

Left In: 0.000+/-0.000 χ^2/NDF:4716343.8/22

Left: 0.000+/-0.000 χ^2/NDF: 29587513.4/47

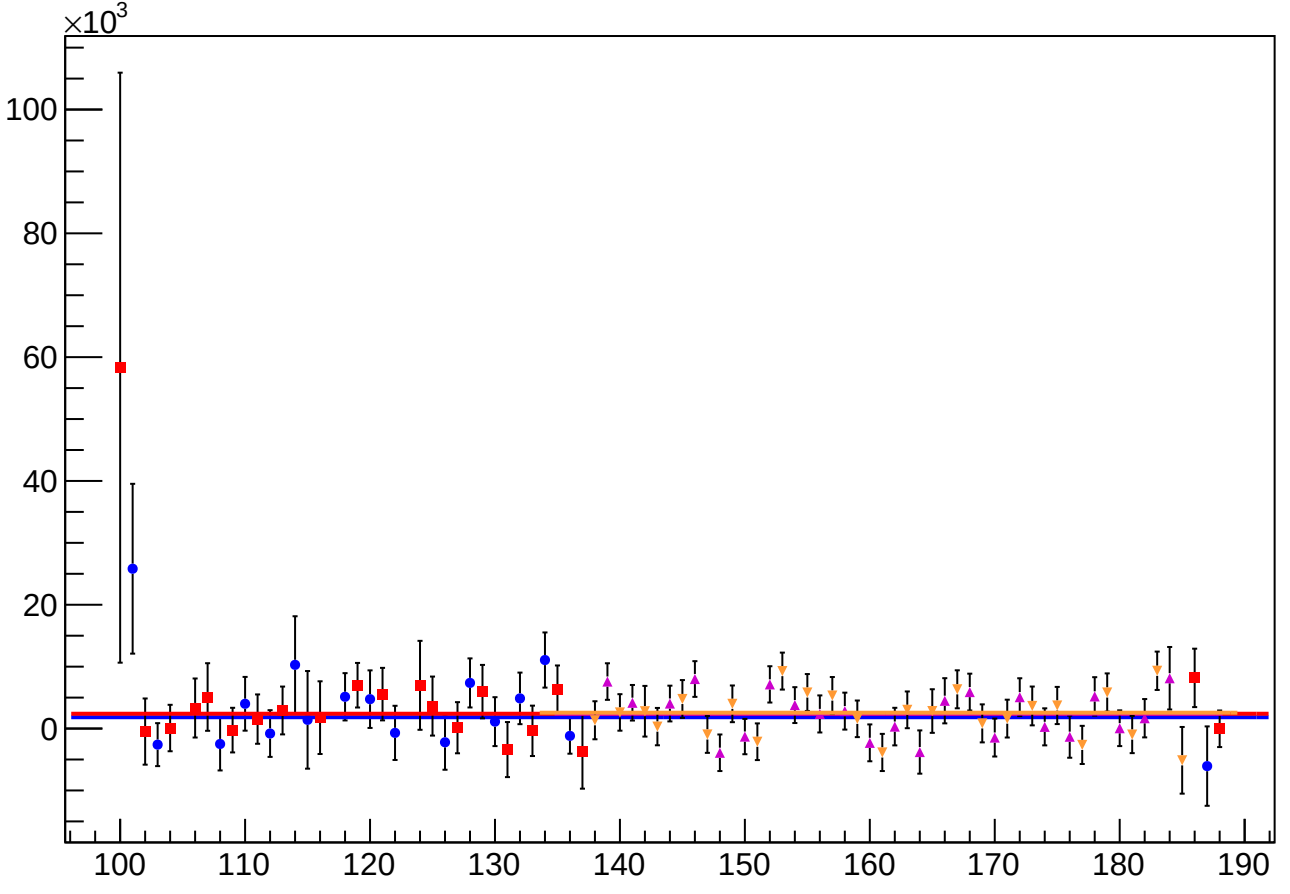
Right: 0.000+/-0.000 χ^2/NDF: 4836437.2/37

In: 0.000+/-0.000 χ^2/NDF:6736167.5/39

Out: 0.000+/-0.000 χ^2/NDF:24277977.2/45

All: 0.000+/-0.000 χ^2/NDF: 40265620.5/85

reg_asym_atr1_mean vs Slug, Sign Corrected



Right In: 1829.549+/-1055.790 χ^2/NDF: 19.3/16

Left Out: 2556.827+/-621.829 χ^2/NDF:31.6/24

Right Out: 2392.396+/-956.903 χ^2/NDF: 12.9/20

Left In: 2408.320+/-639.726 χ^2/NDF:31.4/22

Left: 2484.680+/-445.893 χ^2/NDF: 63.0/47

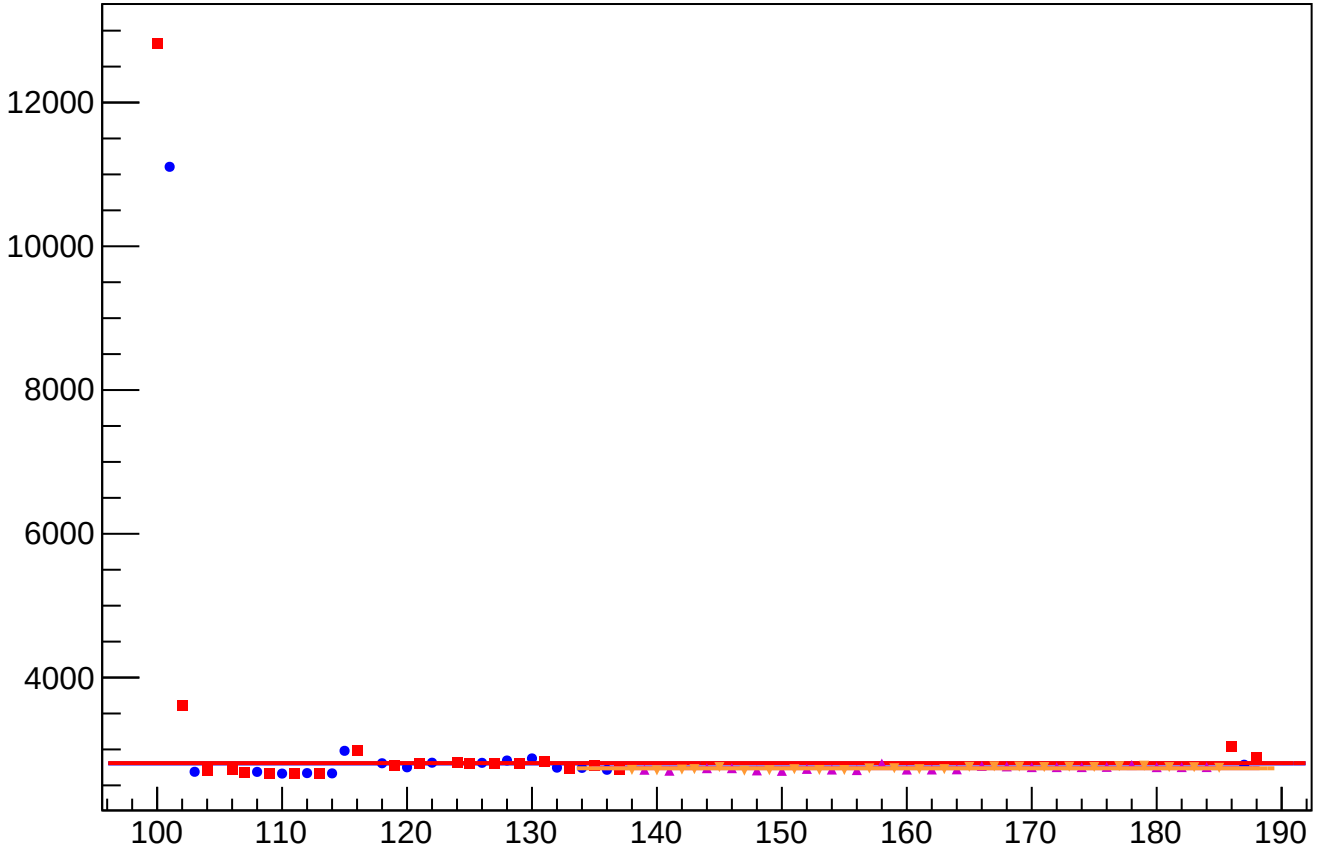
Right: 2138.560+/-709.021 χ^2/NDF: 32.5/37

In: 2252.893+/-547.126 χ^2/NDF:50.9/39

Out: 2508.006+/-521.408 χ^2/NDF:44.6/45

All: 2386.586+/-377.456 χ^2/NDF: 95.6/85

reg_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2804.954+/-0.747 χ^2/NDF: 746256.2/16

Left Out: 2737.519+/-0.440 χ^2/NDF:2317.5/24

Right Out: 2809.957+/-0.677 χ^2/NDF: 154000.8/20

Left In: 2739.863+/-0.452 χ^2/NDF:3362.0/22

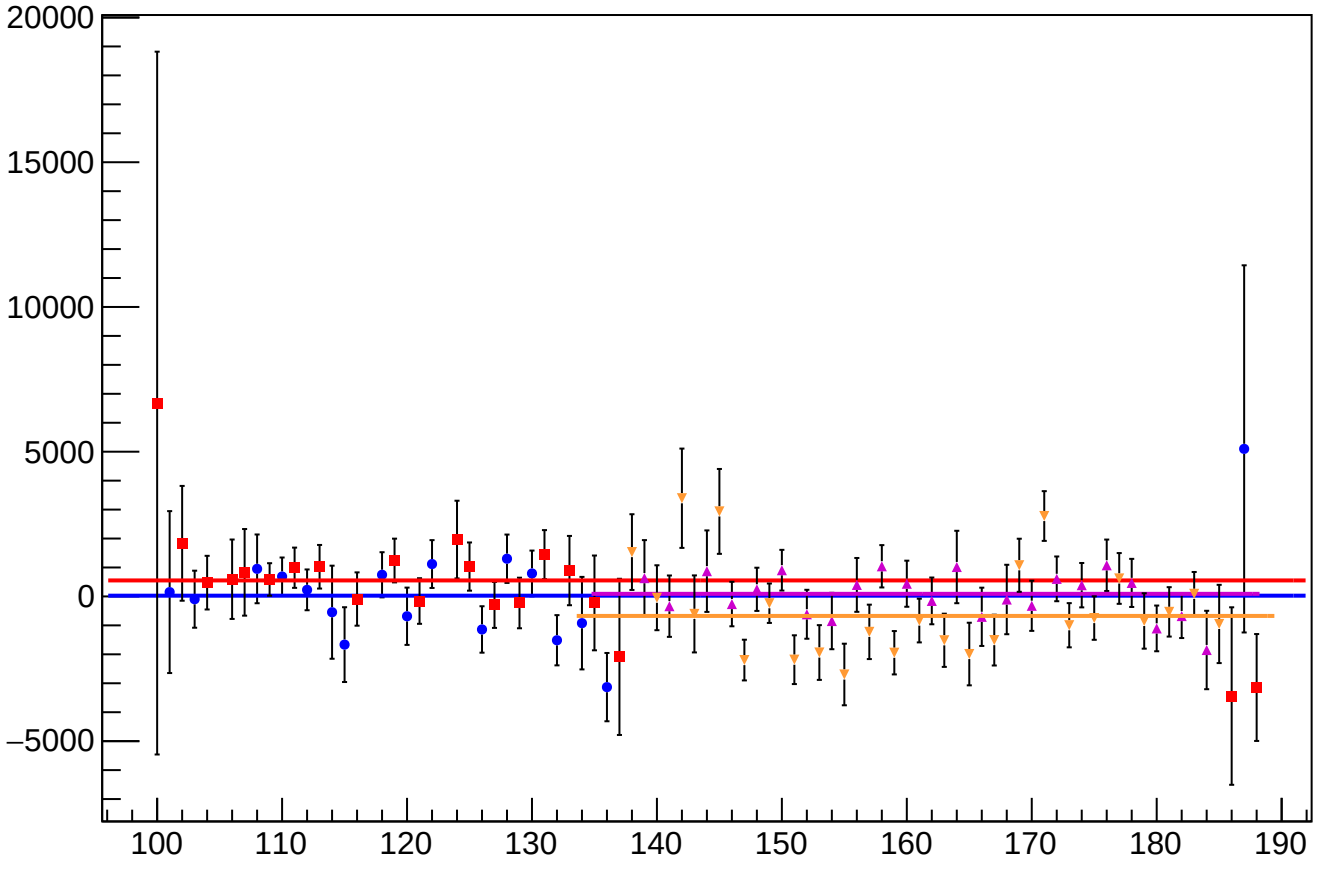
Left: 2738.658+/-0.315 χ^2/NDF: 5693.3/47

Right: 2807.701+/-0.501 χ^2/NDF: 900281.7/37

In: 2757.343+/-0.387 χ^2/NDF:755178.6/39

Out: 2759.026+/-0.369 χ^2/NDF:164376.6/45

All: 2758.225+/-0.267 χ^2/NDF: 919565.1/85



Right In: 25.854+/-233.325 χ^2/NDF: 23.4/16

Left Out: -673.693+/-181.230 χ^2/NDF:58.4/24

Right Out: 552.700+/-213.963 χ^2/NDF: 15.1/20

Left In: 89.519+/-183.491 χ^2/NDF:14.8/22

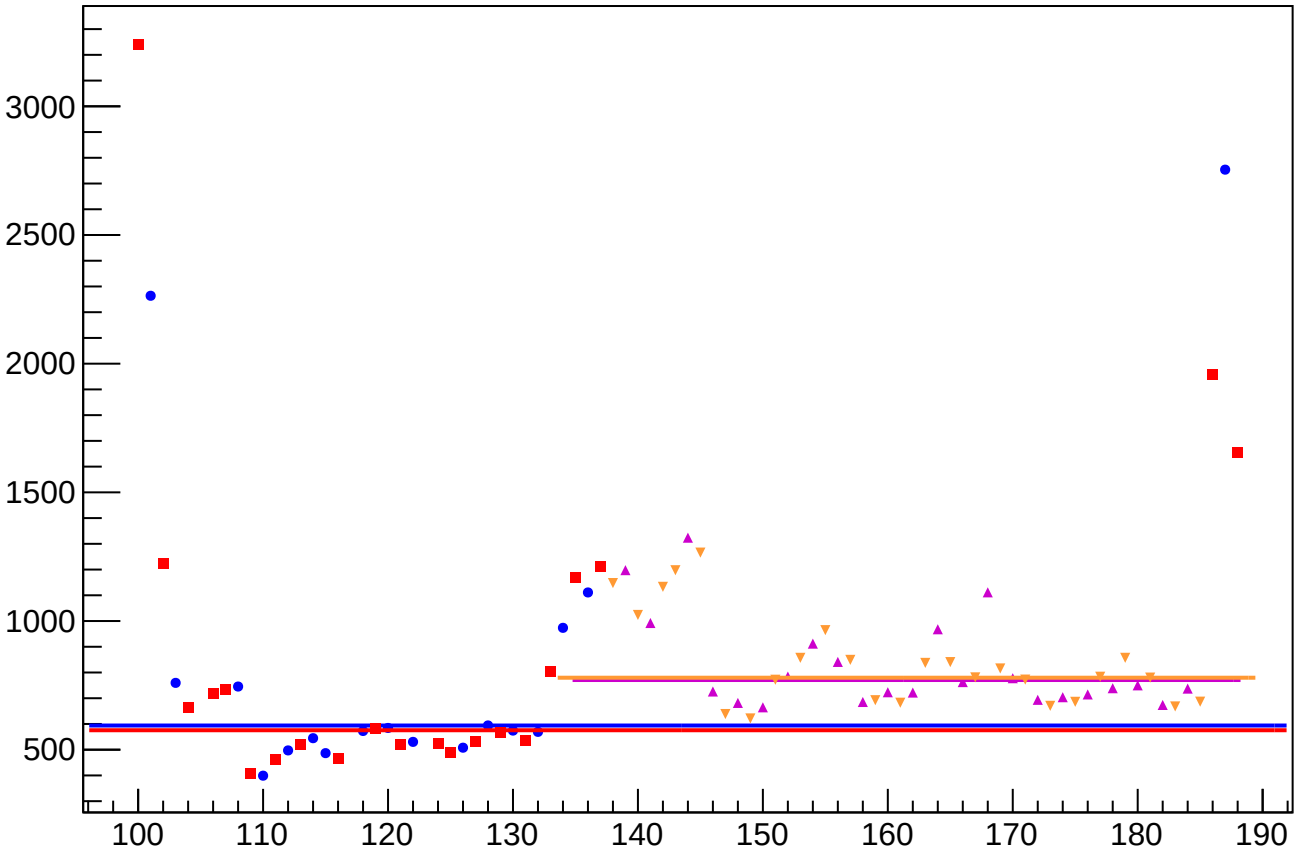
Left: -296.818+/-128.941 χ^2/NDF: 81.9/47

Right: 312.040+/-157.696 χ^2/NDF: 41.3/37

In: 65.191+/-144.233 χ^2/NDF:38.2/39

Out: -161.383+/-138.290 χ^2/NDF:92.6/45

All: -52.860+/-99.821 χ^2/NDF: 132.1/85



Right In: 593.968+/-0.165 χ^2/NDF: 1799951.6/16

Left Out: 779.715+/-0.128 χ^2/NDF:1243743.5/24

Right Out: 575.610+/-0.151 χ^2/NDF: 2227823.7/20

Left In: 770.795+/-0.130 χ^2/NDF:1076354.9/22

Left: 775.310+/-0.091 χ^2/NDF: 2322491.0/47

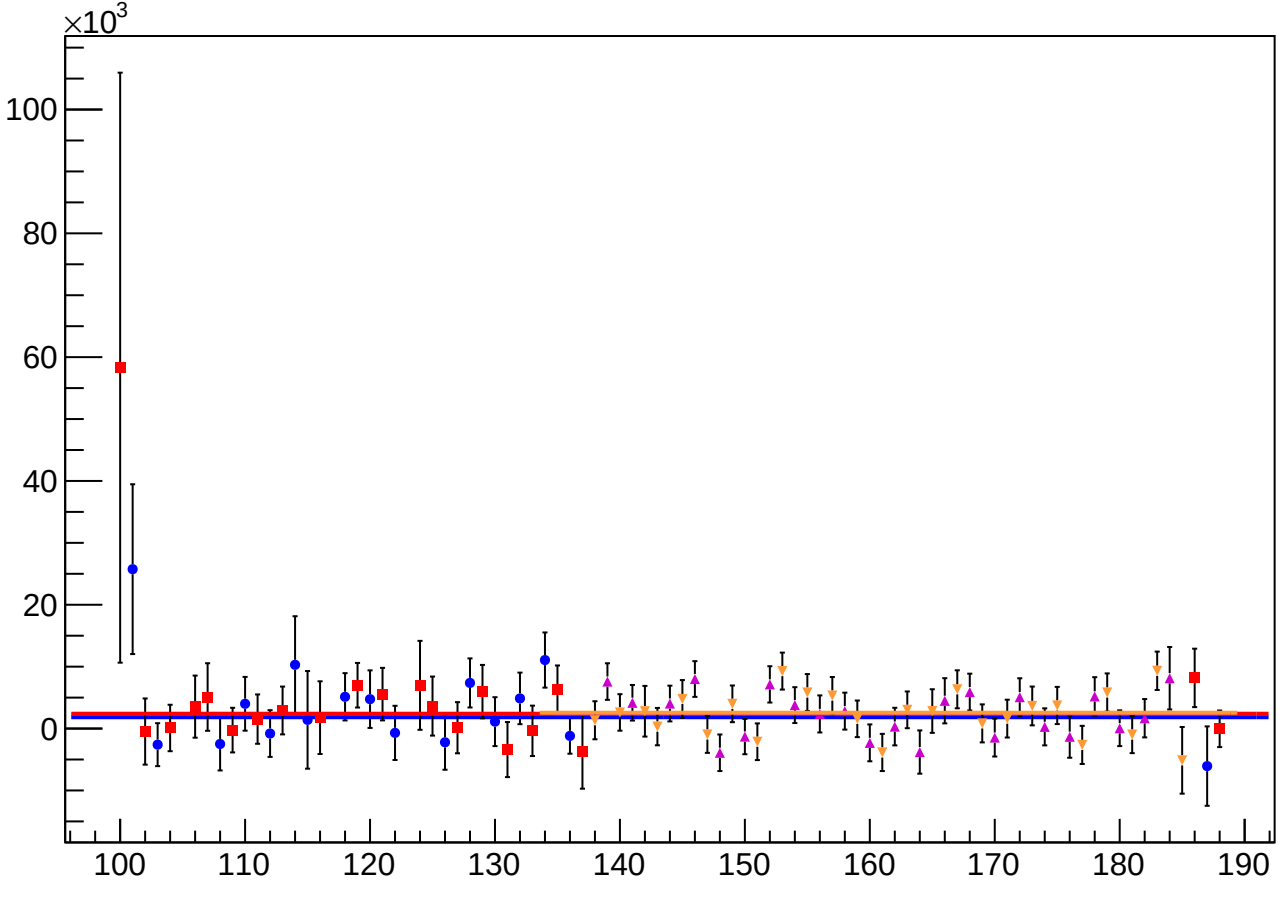
Right: 583.996+/-0.112 χ^2/NDF: 4034501.3/37

In: 703.225+/-0.102 χ^2/NDF:3586049.6/39

Out: 694.453+/-0.098 χ^2/NDF:4531257.0/45

All: 698.654+/-0.071 χ^2/NDF: 8121161.0/85

cor_asym_atr1_mean vs Slug, Sign Corrected



Right In: 1828.783+/-1055.791 χ^2/NDF: 19.3/16

Left Out: 2556.787+/-621.829 χ^2/NDF:31.6/24

Right Out: 2397.388+/-958.784 χ^2/NDF: 13.0/20

Left In: 2408.461+/-639.726 χ^2/NDF:31.4/22

Left: 2484.728+/-445.893 χ^2/NDF: 63.0/47

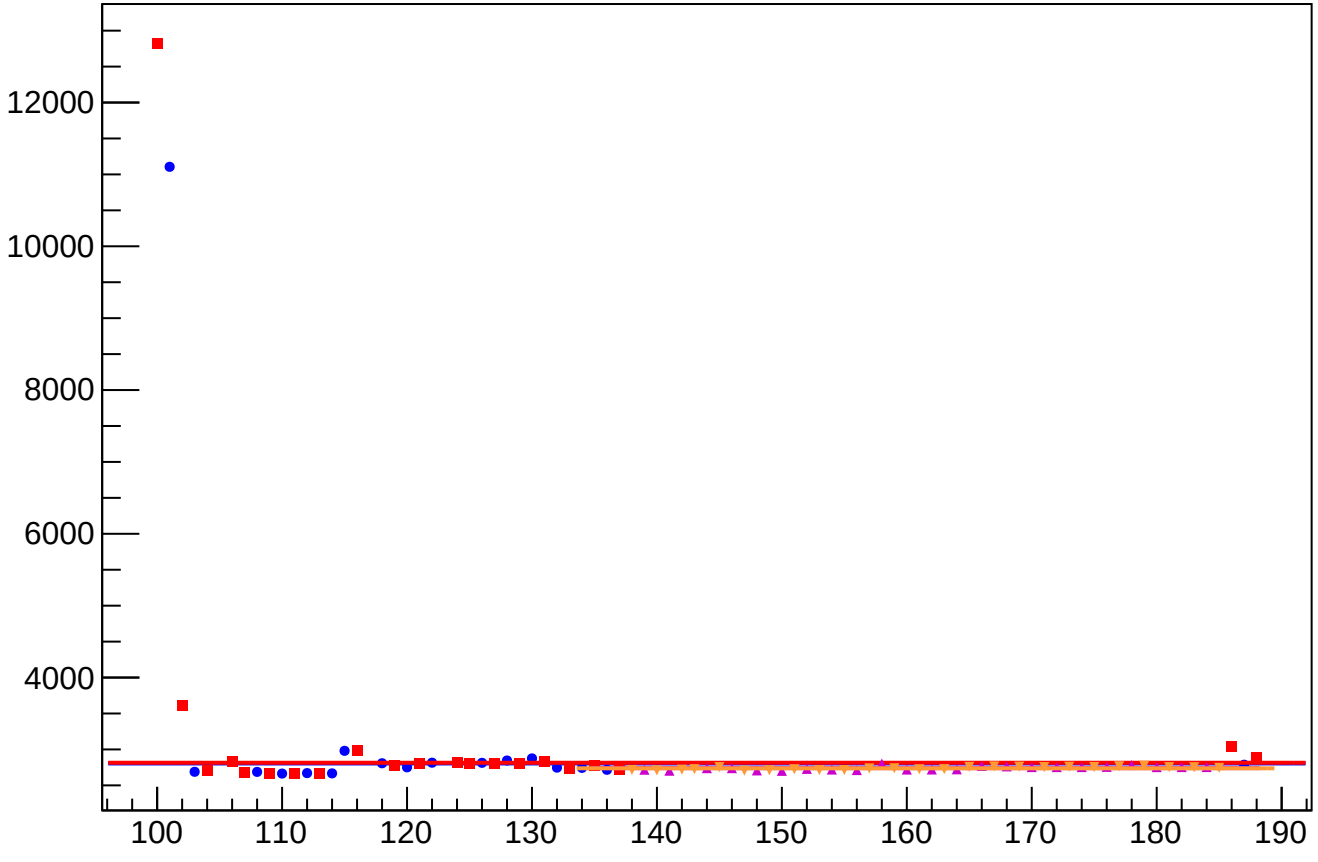
Right: 2140.402+/-709.786 χ^2/NDF: 32.5/37

In: 2252.791+/-547.126 χ^2/NDF:50.9/39

Out: 2509.591+/-521.712 χ^2/NDF:44.6/45

All: 2387.294+/-377.571 χ^2/NDF: 95.6/85

cor_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2804.954+/-0.747 χ^2/NDF: 746255.3/16

Left Out: 2737.519+/-0.440 χ^2/NDF:2317.5/24

Right Out: 2814.594+/-0.678 χ^2/NDF: 153330.2/20

Left In: 2739.863+/-0.452 χ^2/NDF:3362.0/22

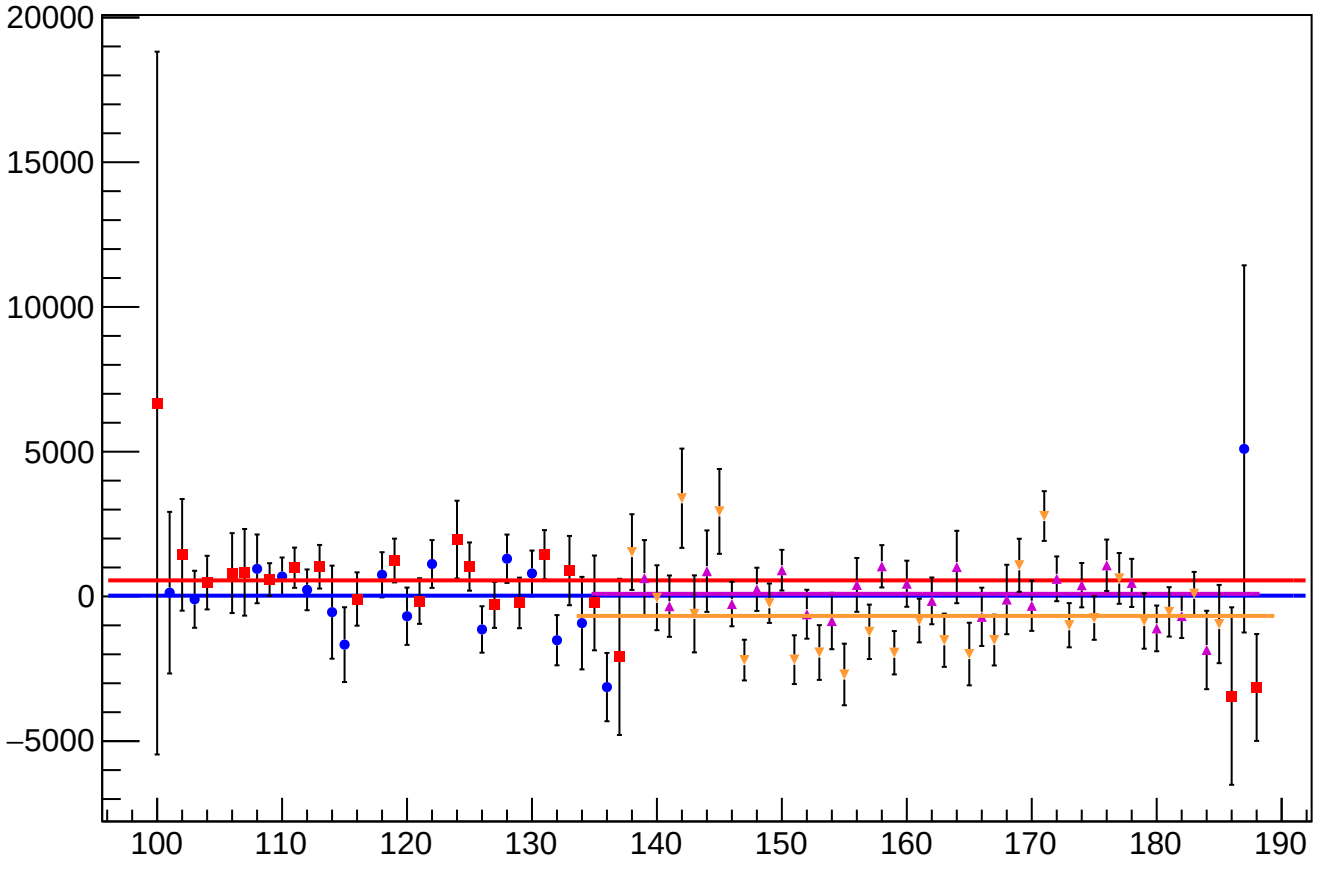
Left: 2738.658+/-0.315 χ^2/NDF: 5693.3/47

Right: 2810.237+/-0.502 χ^2/NDF: 899676.9/37

In: 2757.343+/-0.387 χ^2/NDF:755177.7/39

Out: 2760.340+/-0.369 χ^2/NDF:164745.7/45

All: 2758.913+/-0.267 χ^2/NDF: 919954.7/85



Right In: 25.812+/-233.313 χ^2/NDF: 23.4/16

Left Out: -673.608+/-181.230 χ^2/NDF:58.4/24

Right Out: 553.817+/-213.918 χ^2/NDF: 14.9/20

Left In: 89.643+/-183.492 χ^2/NDF:14.8/22

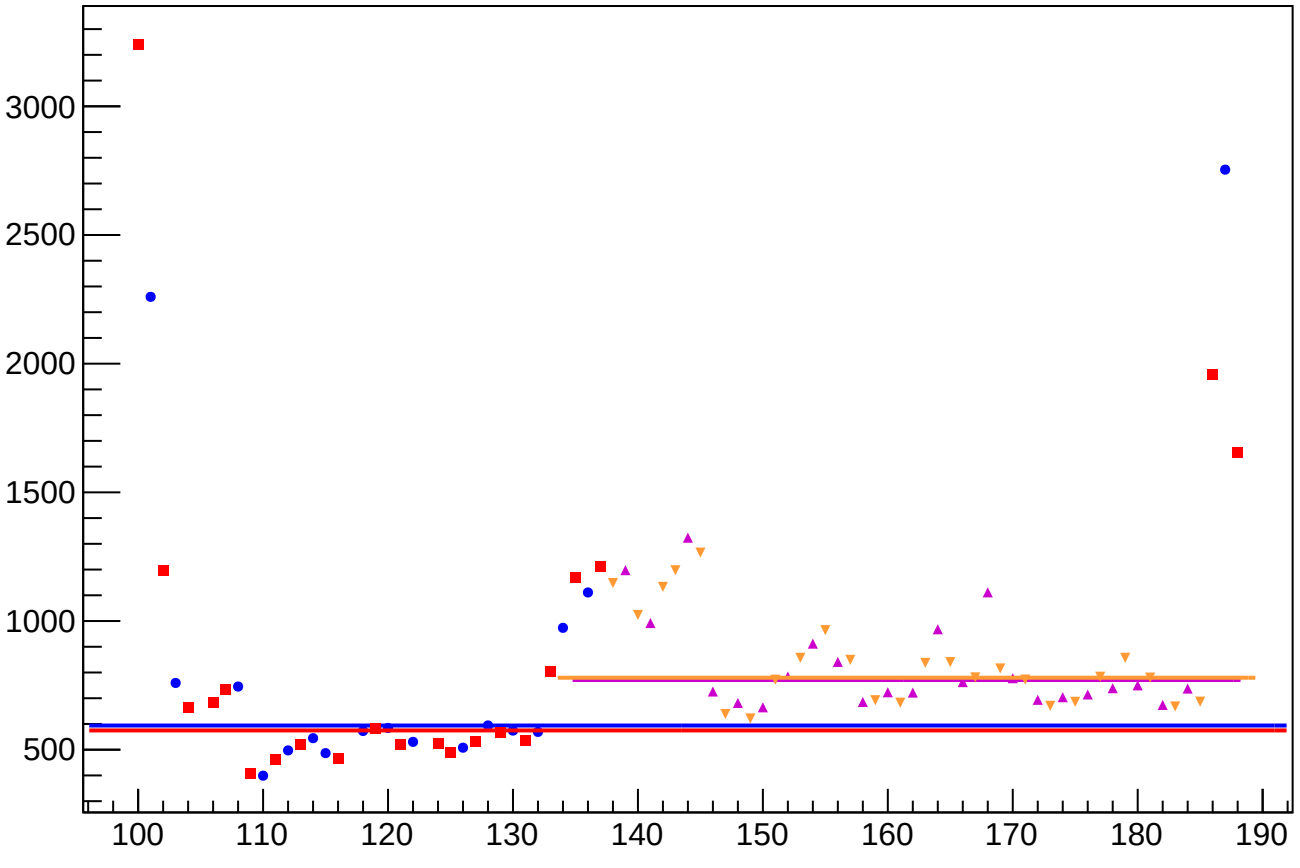
Left: -296.716+/-128.941 χ^2/NDF: 81.9/47

Right: 312.669+/-157.675 χ^2/NDF: 41.1/37

In: 65.250+/-144.231 χ^2/NDF:38.2/39

Out: -160.741+/-138.278 χ^2/NDF:92.4/45

All: -52.506+/-99.815 χ^2/NDF: 132.0/85



Right In: 593.966+/-0.165 χ^2/NDF: 1798924.7/16

Left Out: 779.713+/-0.128 χ^2/NDF:1243769.6/24

Right Out: 574.866+/-0.151 χ^2/NDF: 2213941.5/20

Left In: 770.799+/-0.130 χ^2/NDF:1076291.1/22

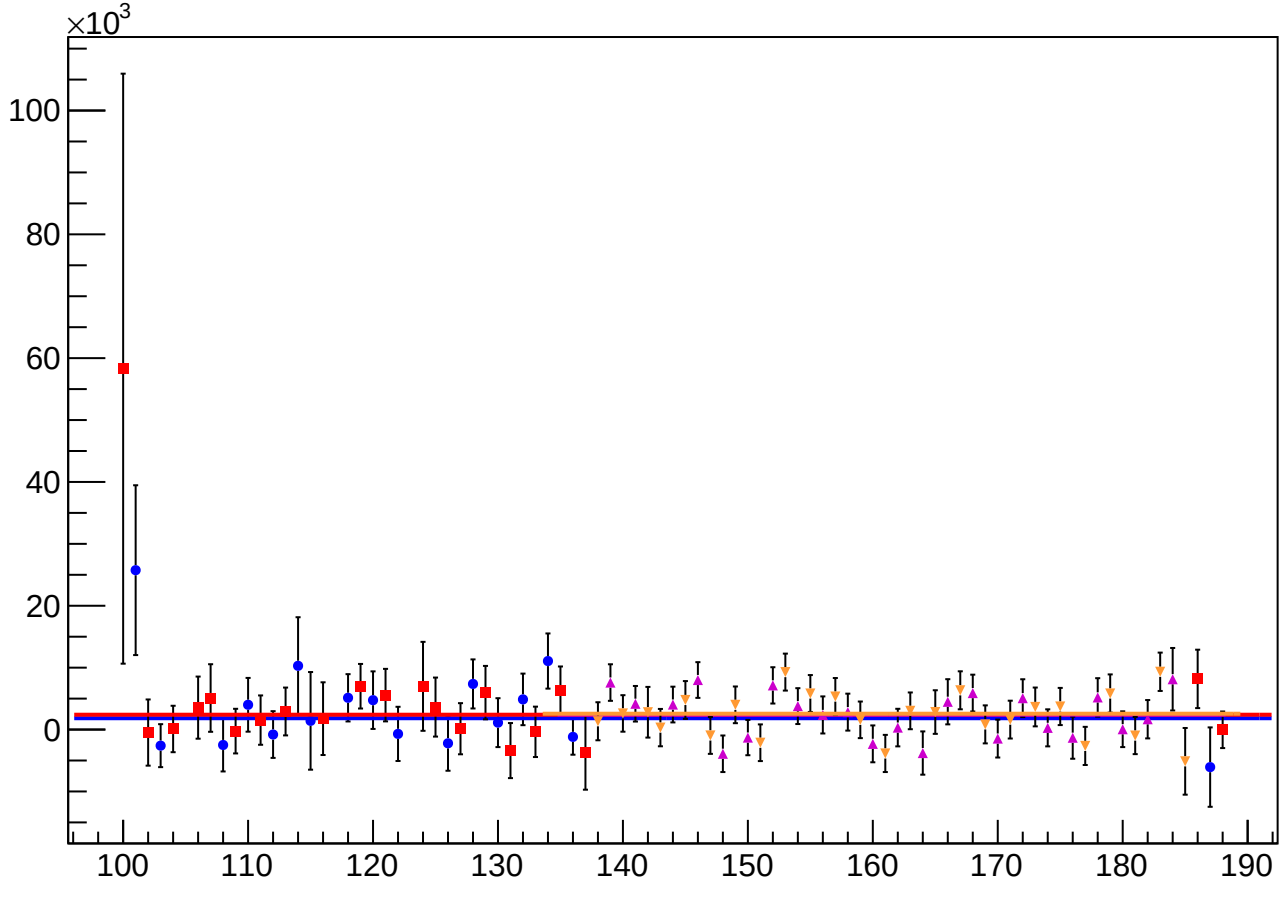
Left: 775.311+/-0.091 χ^2/NDF: 2322450.1/47

Right: 583.589+/-0.111 χ^2/NDF: 4020148.9/37

In: 703.222+/-0.102 χ^2/NDF:3585047.9/39

Out: 694.120+/-0.098 χ^2/NDF:4525386.6/45

All: 698.479+/-0.071 χ^2/NDF: 8114584.9/85



Right In: 1828.783+/-1055.791 χ^2/NDF: 19.3/16

Left Out: 2556.787+/-621.829 χ^2/NDF:31.6/24

Right Out: 2397.388+/-958.784 χ^2/NDF: 13.0/20

Left In: 2408.461+/-639.726 χ^2/NDF:31.4/22

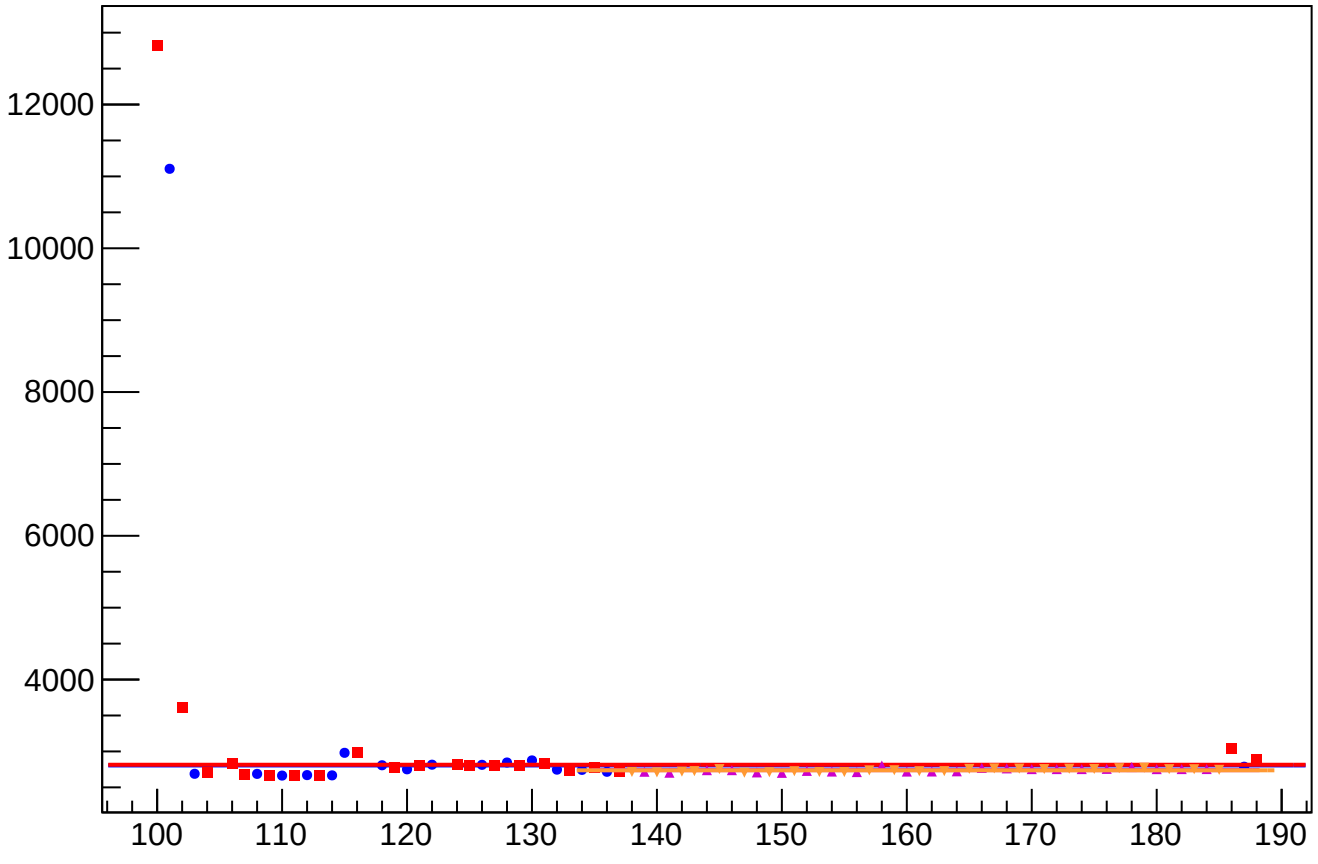
Left: 2484.728+/-445.893 χ^2/NDF: 63.0/47

Right: 2140.402+/-709.786 χ^2/NDF: 32.5/37

In: 2252.791+/-547.126 χ^2/NDF:50.9/39

Out: 2509.591+/-521.712 χ^2/NDF:44.6/45

All: 2387.294+/-377.571 χ^2/NDF: 95.6/85



Right In: 2804.954+/-0.747 χ^2/NDF: 746255.3/16

Left Out: 2737.519+/-0.440 χ^2/NDF:2317.5/24

Right Out: 2814.594+/-0.678 χ^2/NDF: 153330.2/20

Left In: 2739.863+/-0.452 χ^2/NDF:3362.0/22

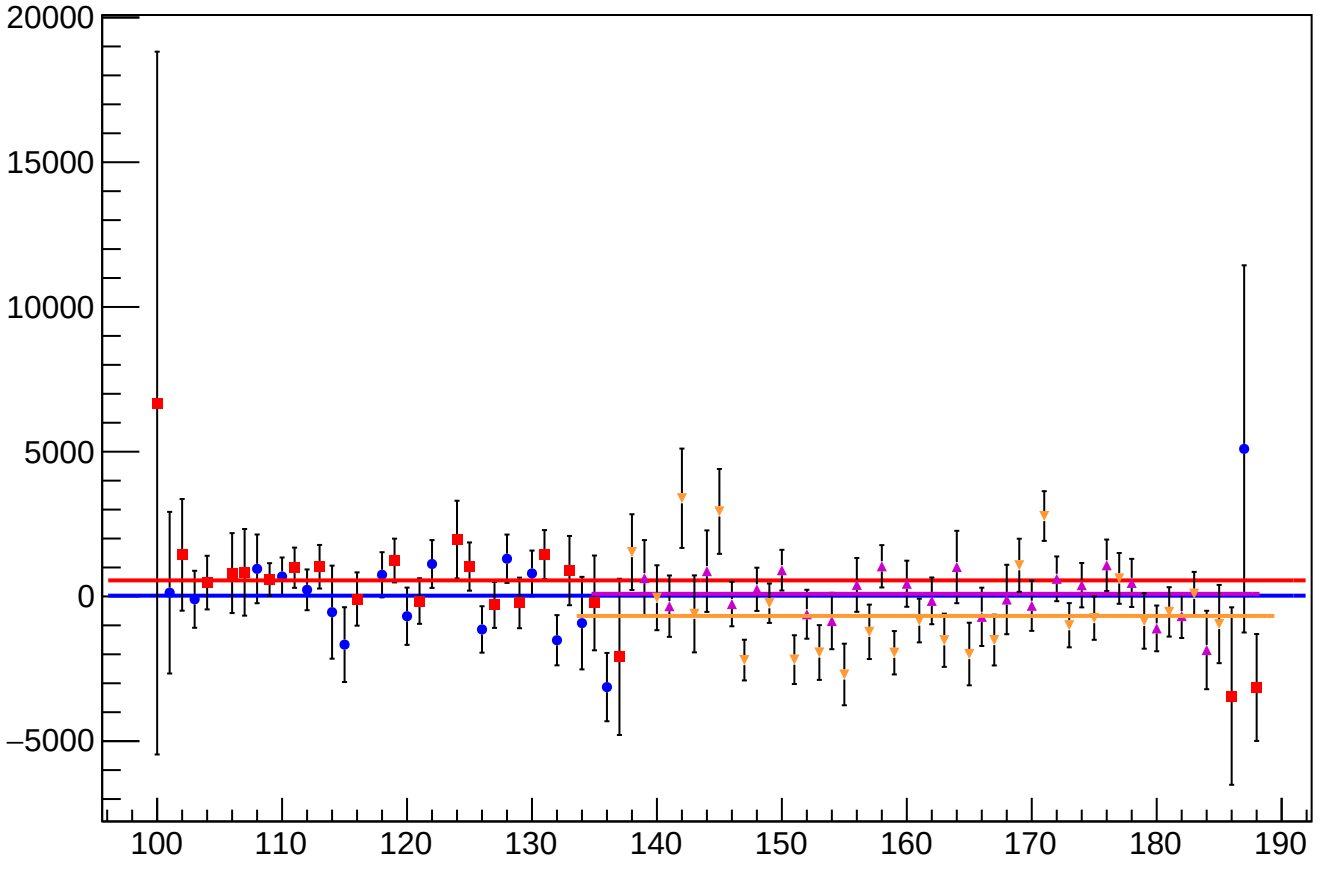
Left: 2738.658+/-0.315 χ^2/NDF: 5693.3/47

Right: 2810.237+/-0.502 χ^2/NDF: 899676.9/37

In: 2757.343+/-0.387 χ^2/NDF:755177.7/39

Out: 2760.340+/-0.369 χ^2/NDF:164745.7/45

All: 2758.913+/-0.267 χ^2/NDF: 919954.7/85



Right In: 25.812+/-233.313 χ^2/NDF: 23.4/16

Left Out: -673.608+/-181.230 χ^2/NDF:58.4/24

Right Out: 553.817+/-213.918 χ^2/NDF: 14.9/20

Left In: 89.643+/-183.492 χ^2/NDF:14.8/22

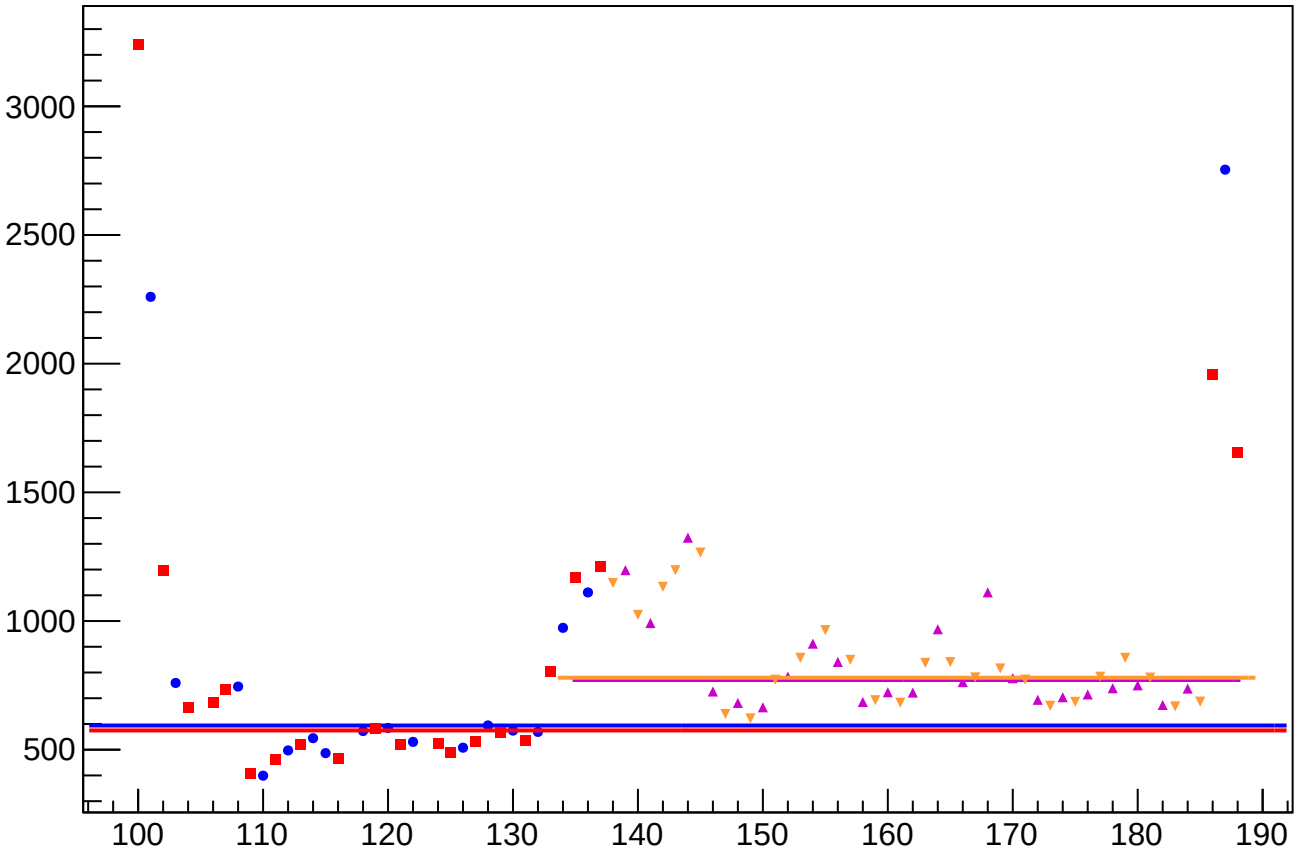
Left: -296.716+/-128.941 χ^2/NDF: 81.9/47

Right: 312.669+/-157.675 χ^2/NDF: 41.1/37

In: 65.250+/-144.231 χ^2/NDF:38.2/39

Out: -160.741+/-138.278 χ^2/NDF:92.4/45

All: -52.506+/-99.815 χ^2/NDF: 132.0/85



Right In: 593.966+/-0.165 χ^2/NDF: 1798924.7/16

Left Out: 779.713+/-0.128 χ^2/NDF:1243769.6/24

Right Out: 574.866+/-0.151 χ^2/NDF: 2213941.5/20

Left In: 770.799+/-0.130 χ^2/NDF:1076291.1/22

Left: 775.311+/-0.091 χ^2/NDF: 2322450.1/47

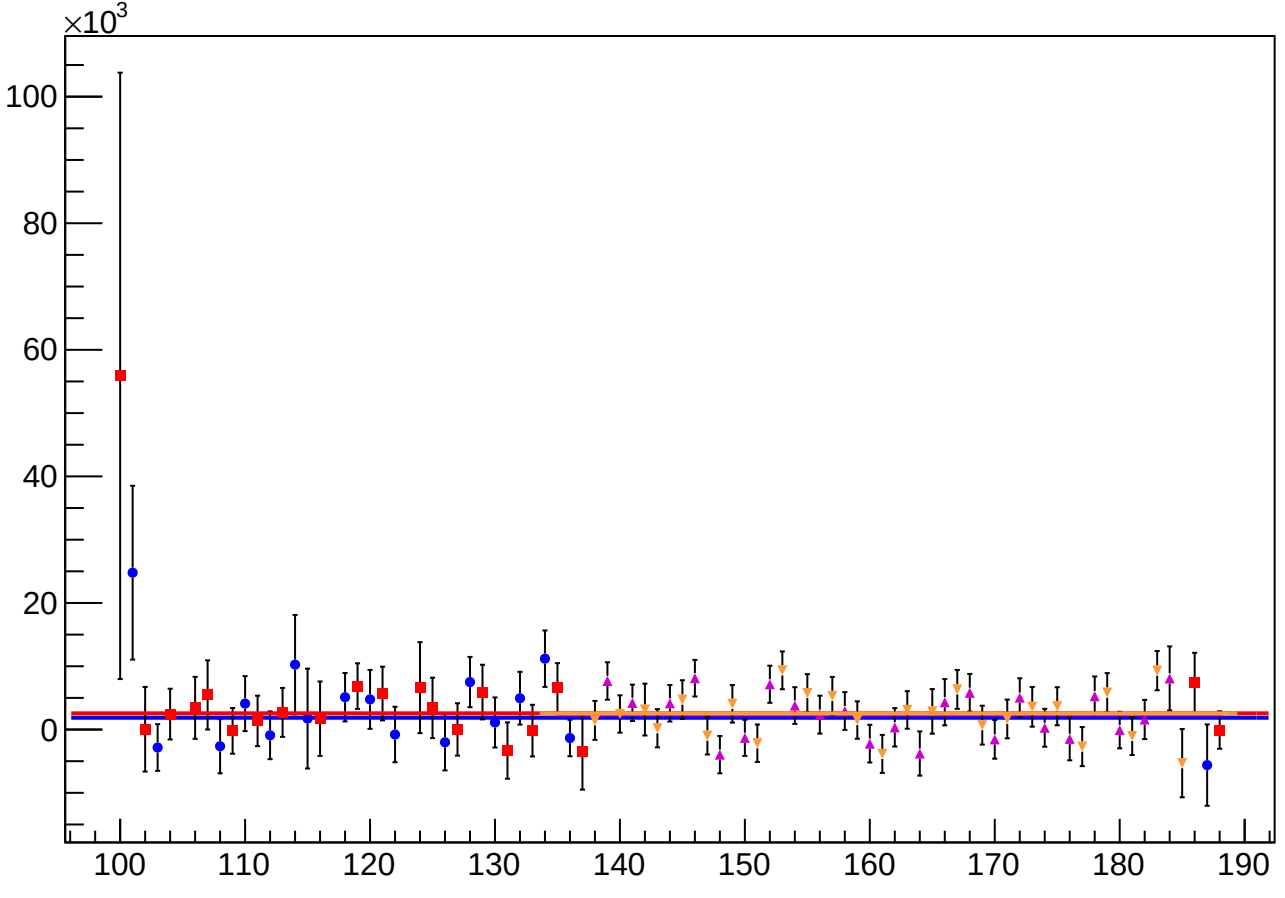
Right: 583.589+/-0.111 χ^2/NDF: 4020148.9/37

In: 703.222+/-0.102 χ^2/NDF:3585047.9/39

Out: 694.120+/-0.098 χ^2/NDF:4525386.6/45

All: 698.479+/-0.071 χ^2/NDF: 8114584.9/85

dit_asym_atr1_mean vs Slug, Sign Corrected



Right In: 1864.770+/-1062.379 χ^2/NDF: 19.3/16

Left Out: 2545.043+/-622.236 χ^2/NDF:31.9/24

Right Out: 2563.200+/-968.571 χ^2/NDF: 11.8/20

Left In: 2406.858+/-640.084 χ^2/NDF:31.8/22

Left: 2477.904+/-446.164 χ^2/NDF: 63.7/47

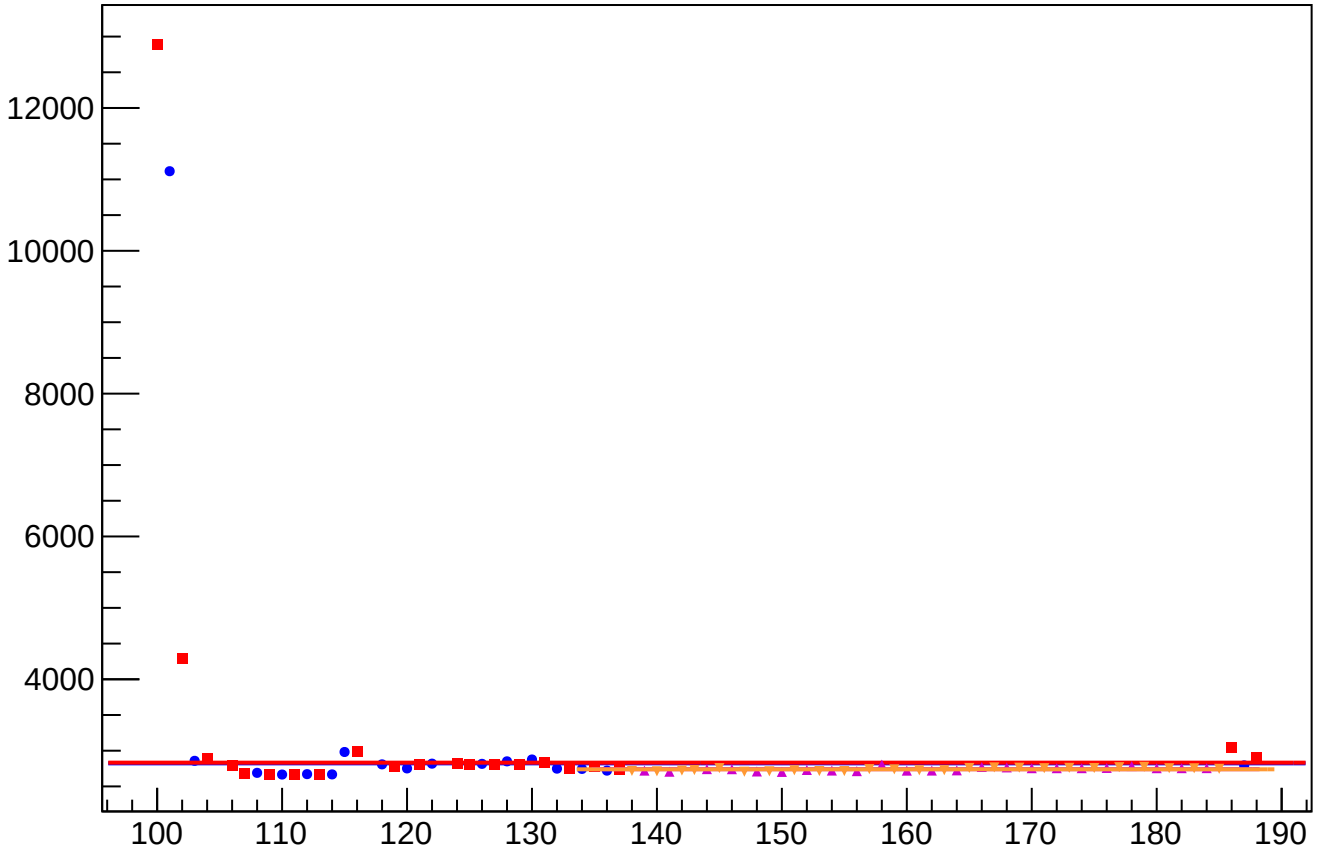
Right: 2246.176+/-715.754 χ^2/NDF: 31.3/37

In: 2262.484+/-548.262 χ^2/NDF:51.3/39

Out: 2550.348+/-523.514 χ^2/NDF:43.7/45

All: 2413.060+/-378.627 χ^2/NDF: 95.1/85

dit_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2822.662+/-0.751 χ^2/NDF: 743955.1/16

Left Out: 2739.304+/-0.440 χ^2/NDF:2322.3/24

Right Out: 2832.685+/-0.685 χ^2/NDF: 206199.4/20

Left In: 2741.391+/-0.453 χ^2/NDF:3369.6/22

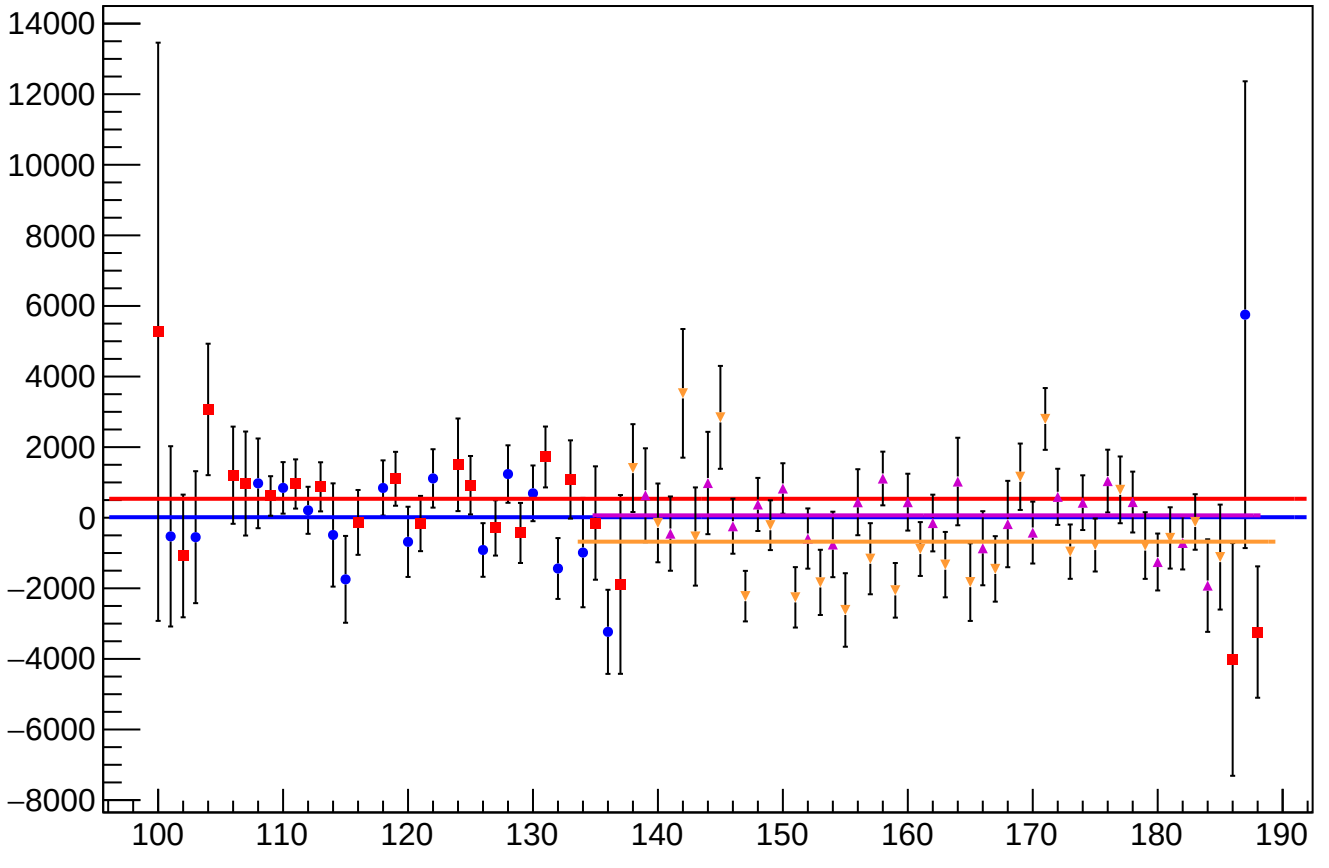
Left: 2740.318+/-0.315 χ^2/NDF: 5702.8/47

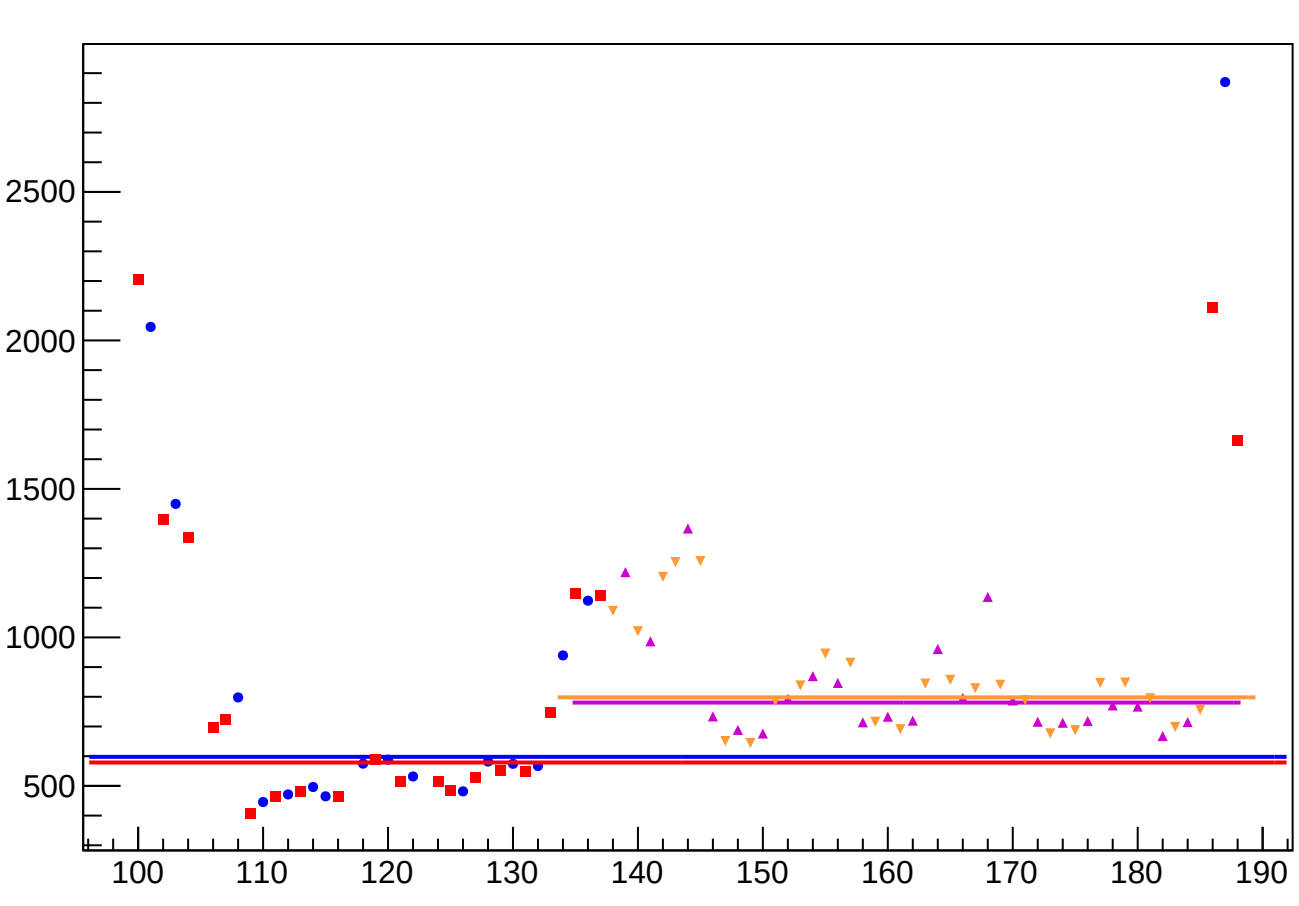
Right: 2828.135+/-0.506 χ^2/NDF: 950251.8/37

In: 2763.036+/-0.388 χ^2/NDF:755911.8/39

Out: 2766.584+/-0.370 χ^2/NDF:221681.0/45

All: 2764.892+/-0.268 χ^2/NDF: 977636.6/85


asym_atr1_dit_correction_mean vs Slug, Sign Corrected
14000
12000
10000
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
100
110
120
130
140
150
160
170
180
190
Right In: 14.447+/-237.302 χ²/NDF: 23.6/16
Left Out: -678.226+/-185.004 χ²/NDF:56.2/24
Right Out: 536.554+/-215.172 χ²/NDF: 18.3/20
Left In: 67.156+/-185.436 χ²/NDF:15.8/22
Left: -306.403+/-130.970 χ²/NDF: 80.1/47
Right: 300.975+/-159.401 χ²/NDF: 44.5/37
In: 47.173+/-146.115 χ²/NDF:39.4/39
Out: -161.896+/-140.282 χ²/NDF:92.8/45
All: -61.618+/-101.193 χ²/NDF: 133.3/85



Right In: 597.787+/-0.168 χ^2/NDF: 2089091.2/16

Left Out: 798.091+/-0.131 χ^2/NDF:1168352.1/24

Right Out: 578.780+/-0.152 χ^2/NDF: 2760182.7/20

Left In: 780.525+/-0.131 χ^2/NDF:1064827.5/22

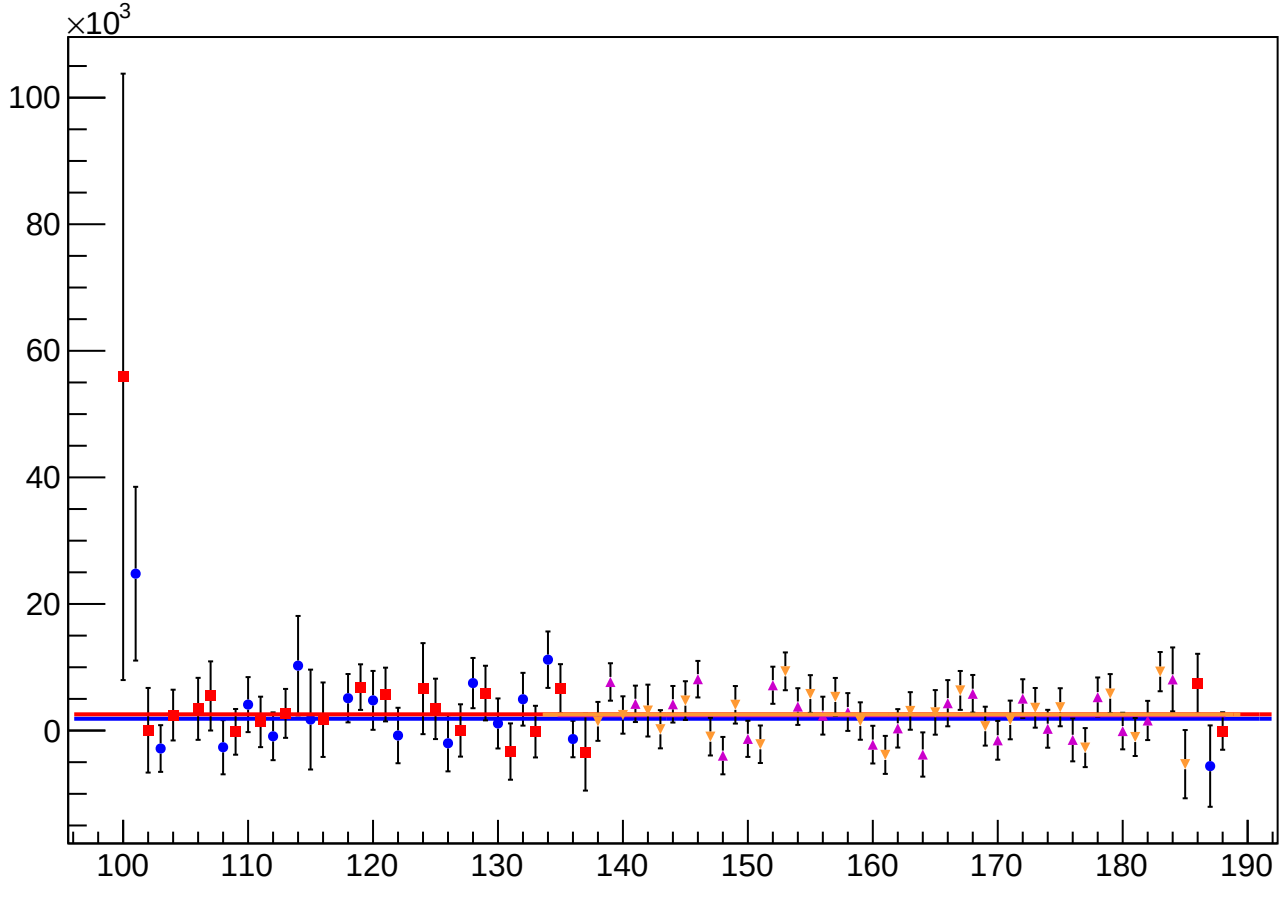
Left: 789.329+/-0.093 χ^2/NDF: 2242174.0/47

Right: 587.356+/-0.113 χ^2/NDF: 4856315.5/37

In: 711.244+/-0.103 χ^2/NDF:3890271.9/39

Out: 704.875+/-0.099 χ^2/NDF:5123120.9/45

All: 707.930+/-0.072 χ^2/NDF: 9015370.1/85



Right In: 1864.769+/-1062.379 χ^2/NDF: 19.3/16

Left Out: 2545.044+/-622.236 χ^2/NDF:31.9/24

Right Out: 2563.197+/-968.571 χ^2/NDF: 11.8/20

Left In: 2406.858+/-640.084 χ^2/NDF:31.8/22

Left: 2477.904+/-446.164 χ^2/NDF: 63.7/47

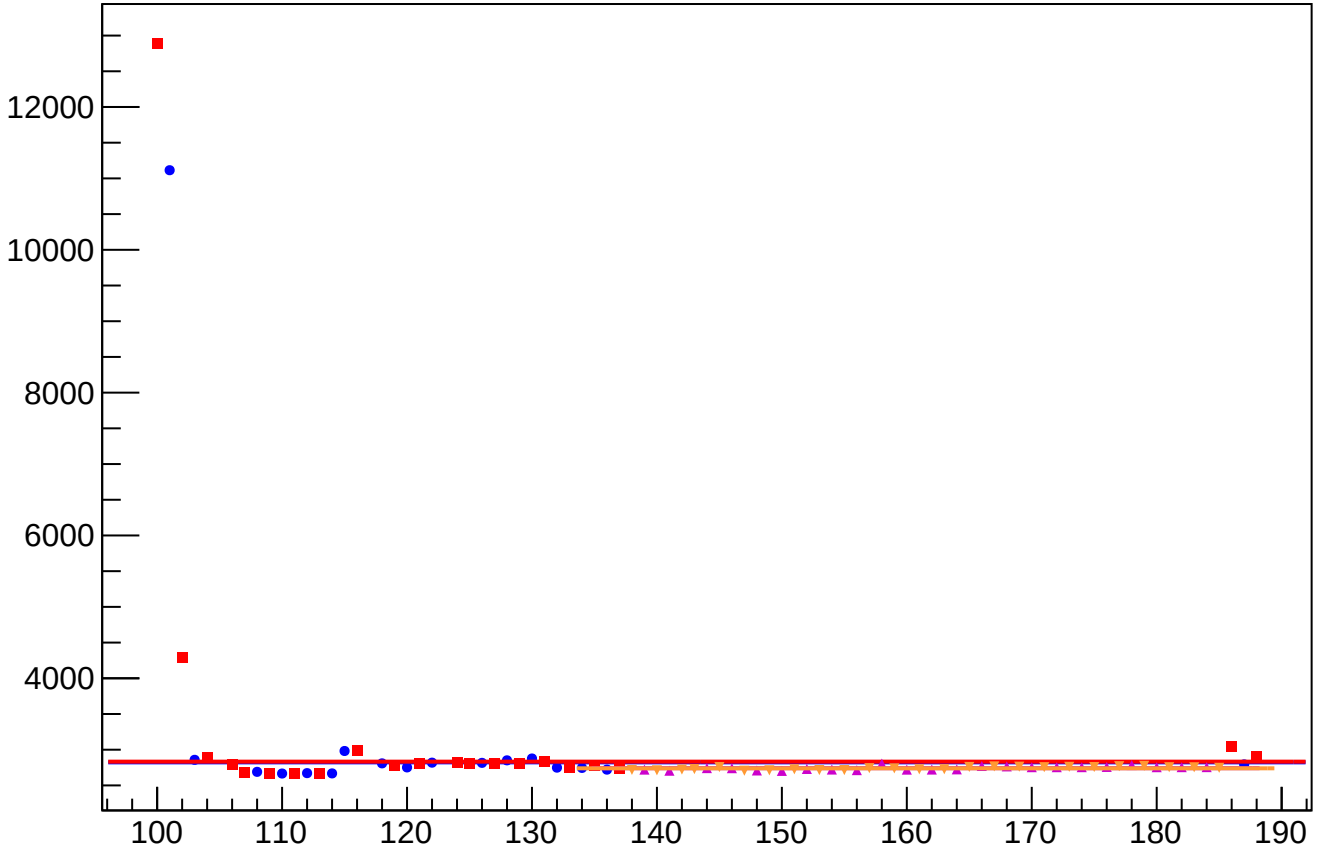
Right: 2246.174+/-715.754 χ^2/NDF: 31.3/37

In: 2262.484+/-548.262 χ^2/NDF:51.3/39

Out: 2550.347+/-523.514 χ^2/NDF:43.7/45

All: 2413.059+/-378.627 χ^2/NDF: 95.1/85

eigen_dit_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2822.662+/-0.751 χ^2/NDF: 743955.1/16

Left Out: 2739.304+/-0.440 χ^2/NDF:2322.3/24

Right Out: 2832.685+/-0.685 χ^2/NDF: 206199.3/20

Left In: 2741.391+/-0.453 χ^2/NDF:3369.6/22

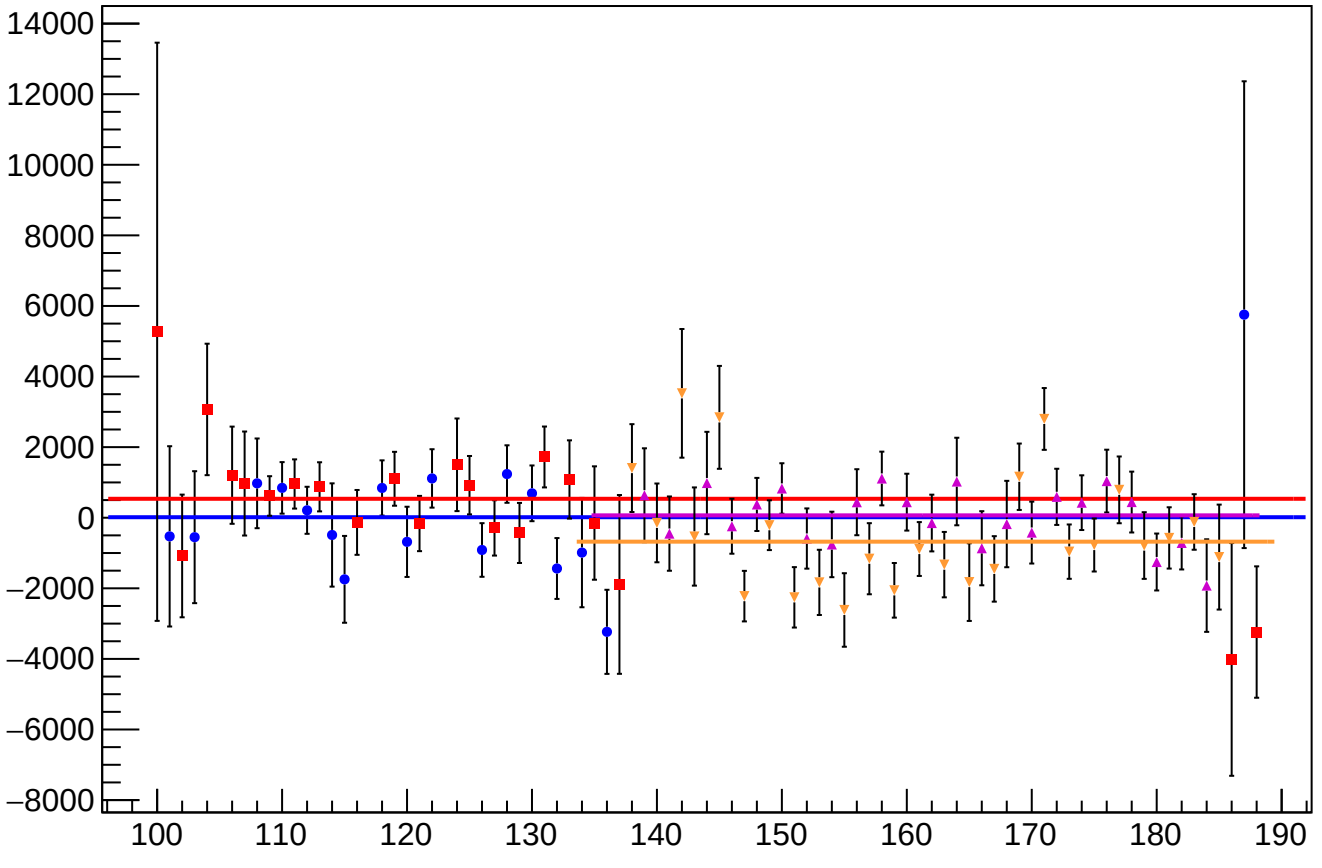
Left: 2740.318+/-0.315 χ^2/NDF: 5702.8/47

Right: 2828.135+/-0.506 χ^2/NDF: 950251.6/37

In: 2763.035+/-0.388 χ^2/NDF:755911.8/39

Out: 2766.584+/-0.370 χ^2/NDF:221680.7/45

All: 2764.892+/-0.268 χ^2/NDF: 977636.3/85



Right In: 14.448+/-237.302 χ^2/NDF: 23.6/16

Left Out: -678.227+/-185.004 χ^2/NDF:56.2/24

Right Out: 536.554+/-215.172 χ^2/NDF: 18.3/20

Left In: 67.157+/-185.436 χ^2/NDF:15.8/22

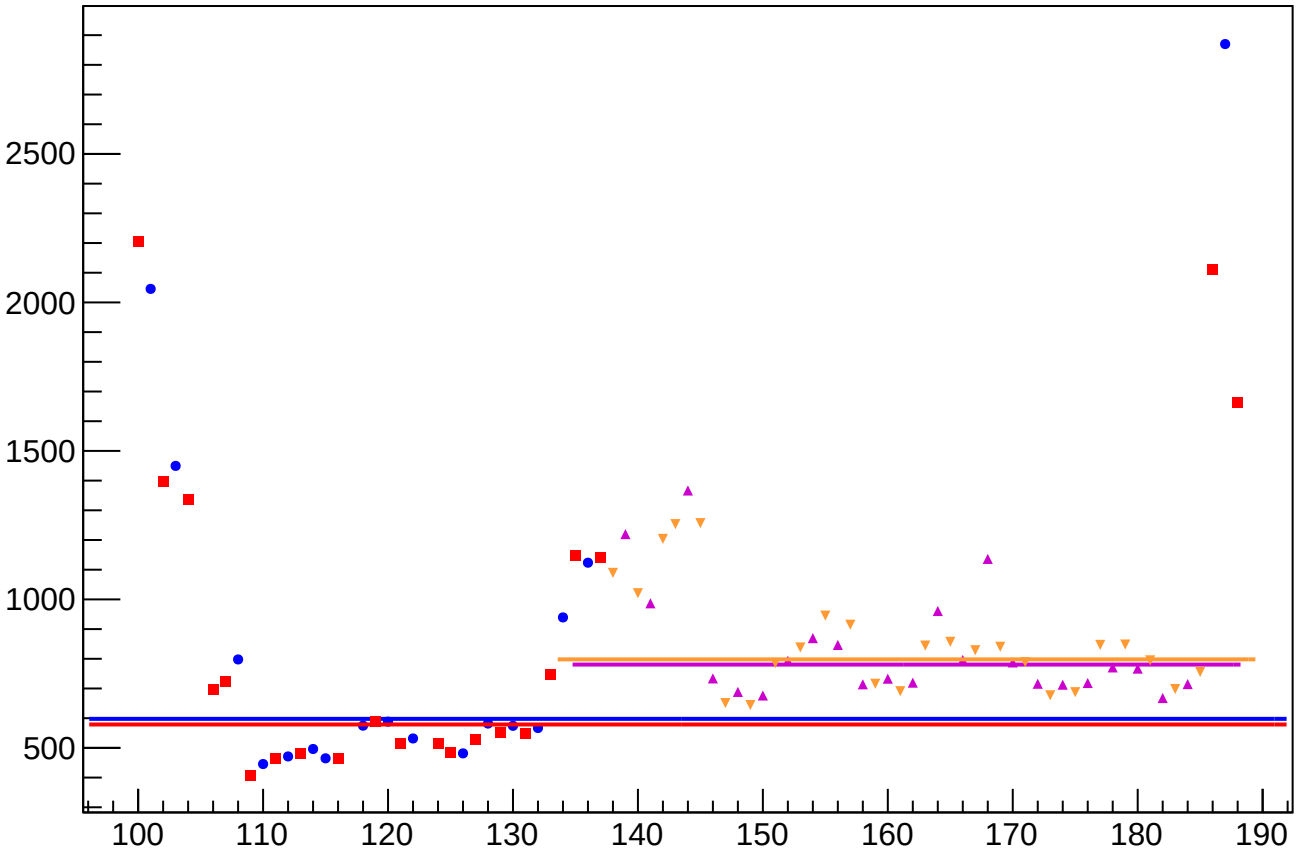
Left: -306.403+/-130.970 χ^2/NDF: 80.1/47

Right: 300.976+/-159.401 χ^2/NDF: 44.5/37

In: 47.173+/-146.115 χ^2/NDF:39.4/39

Out: -161.897+/-140.282 χ^2/NDF:92.8/45

All: -61.618+/-101.193 χ^2/NDF: 133.3/85



Right In: 597.788+/-0.168 χ^2/NDF: 2089085.8/16

Left Out: 798.092+/-0.131 χ^2/NDF:1168353.9/24

Right Out: 578.780+/-0.152 χ^2/NDF: 2760181.1/20

Left In: 780.525+/-0.131 χ^2/NDF:1064830.7/22

Left: 789.329+/-0.093 χ^2/NDF: 2242179.2/47

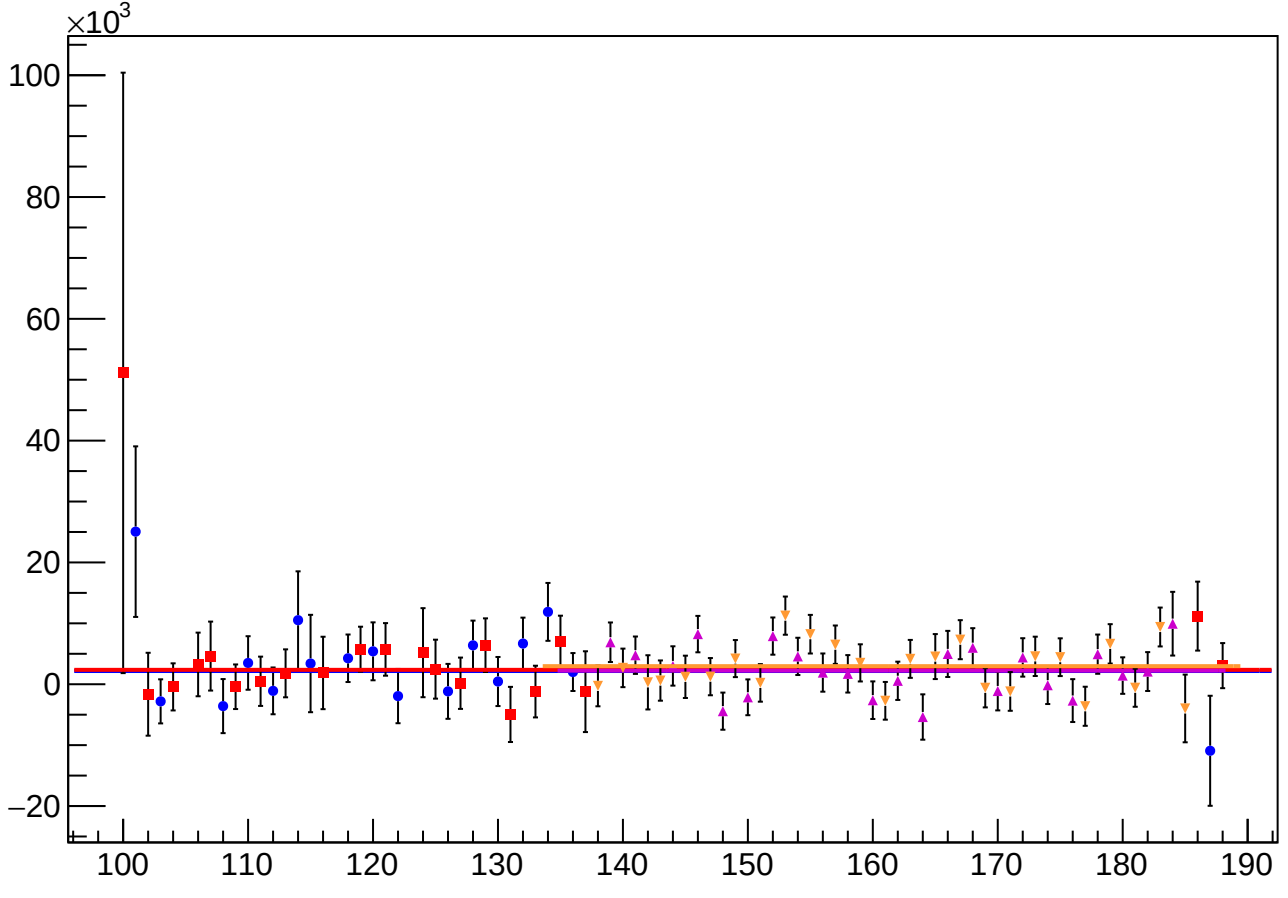
Right: 587.357+/-0.113 χ^2/NDF: 4856308.7/37

In: 711.244+/-0.103 χ^2/NDF:3890264.6/39

Out: 704.876+/-0.099 χ^2/NDF:5123120.2/45

All: 707.930+/-0.072 χ^2/NDF: 9015362.2/85

asym_atr1_mean vs Slug, Sign Corrected



Right In: 2170.763+/-1098.001 χ^2/NDF: 19.0/16

Left Out: 2969.337+/-653.286 χ^2/NDF:35.7/24

Right Out: 2363.604+/-1015.863 χ^2/NDF: 12.9/20

Left In: 2237.495+/-670.327 χ^2/NDF:33.8/22

Left: 2612.837+/-467.852 χ^2/NDF: 70.1/47

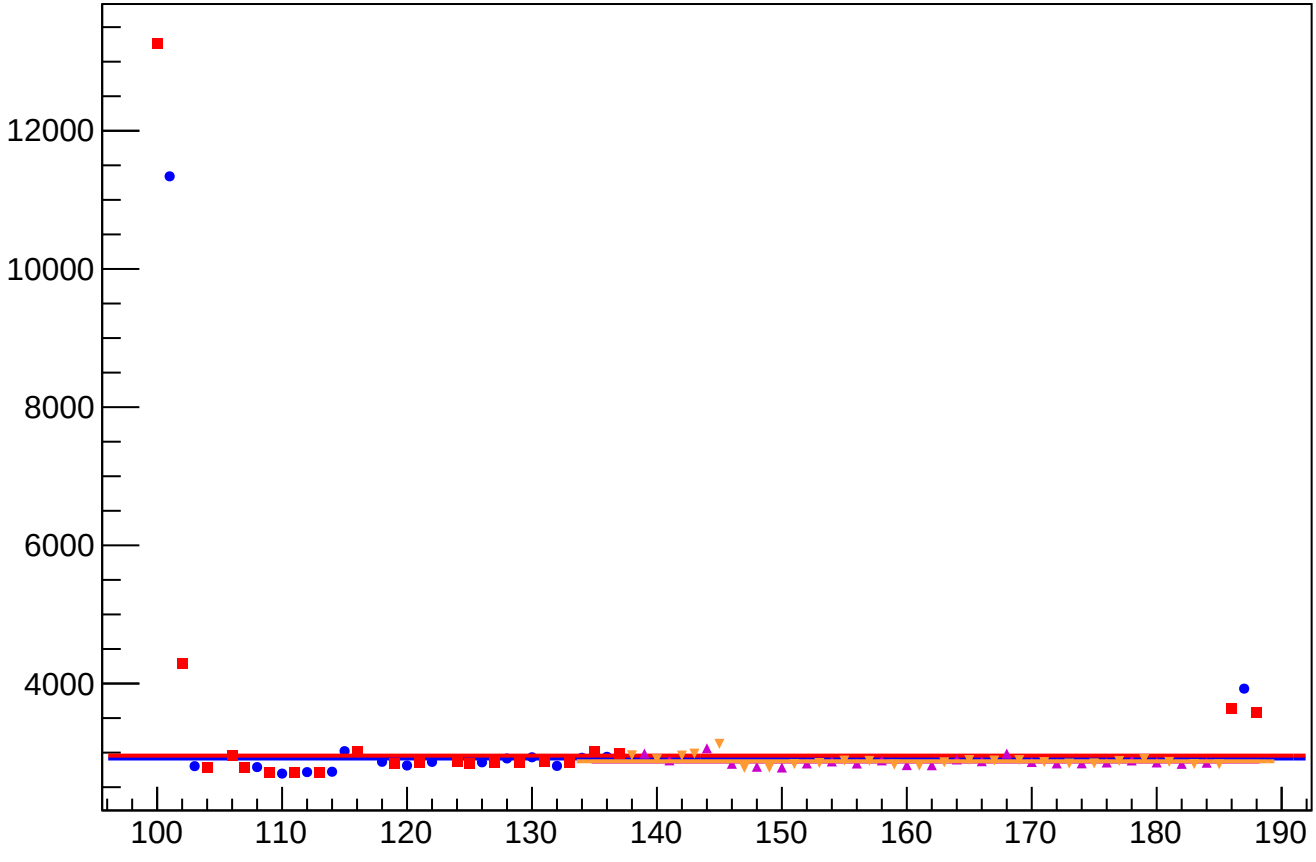
Right: 2274.665+/-745.673 χ^2/NDF: 31.9/37

In: 2219.377+/-572.134 χ^2/NDF:52.8/39

Out: 2792.120+/-549.473 χ^2/NDF:48.9/45

All: 2517.315+/-396.305 χ^2/NDF: 102.2/85

asym_atr1_rms vs Slug, Sign Corrected



Right In: 2914.987+/-0.776 χ^2/NDF: 767242.6/16

Left Out: 2874.933+/-0.462 χ^2/NDF:21788.8/24

Right Out: 2956.815+/-0.718 χ^2/NDF: 290925.5/20

Left In: 2870.153+/-0.474 χ^2/NDF:17687.5/22

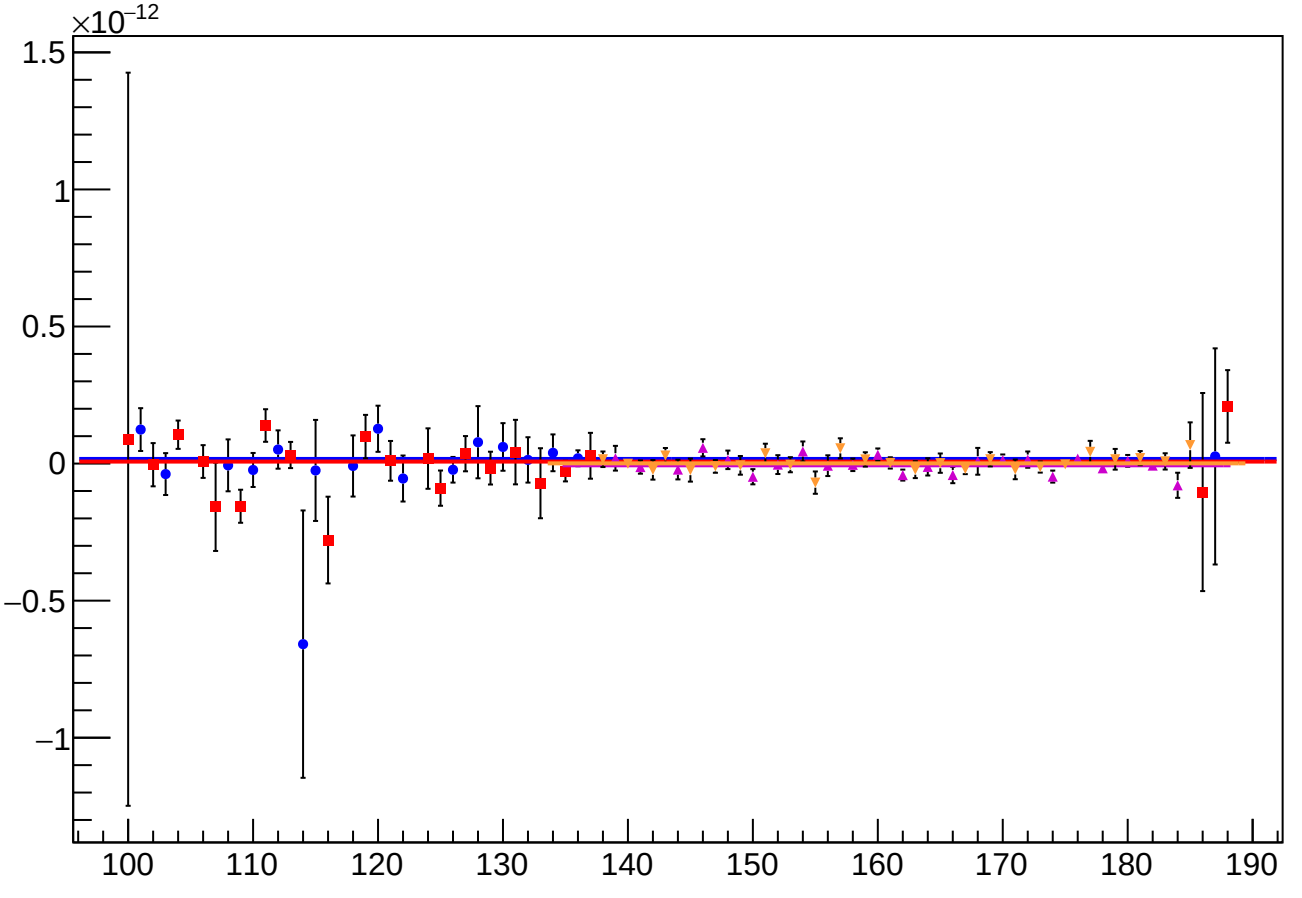
Left: 2872.605+/-0.331 χ^2/NDF: 39528.5/47

Right: 2937.524+/-0.527 χ^2/NDF: 1059731.8/37

In: 2882.326+/-0.405 χ^2/NDF:787359.3/39

Out: 2898.889+/-0.389 χ^2/NDF:321906.5/45

All: 2890.942+/-0.280 χ^2/NDF: 1110137.7/85



Right In: 0.000+/-0.000 χ^2/NDF: 8.9/16

Left Out: 0.000+/-0.000 χ^2/NDF:14.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 28.1/20

Left In: -0.000+/-0.000 χ^2/NDF:27.9/22

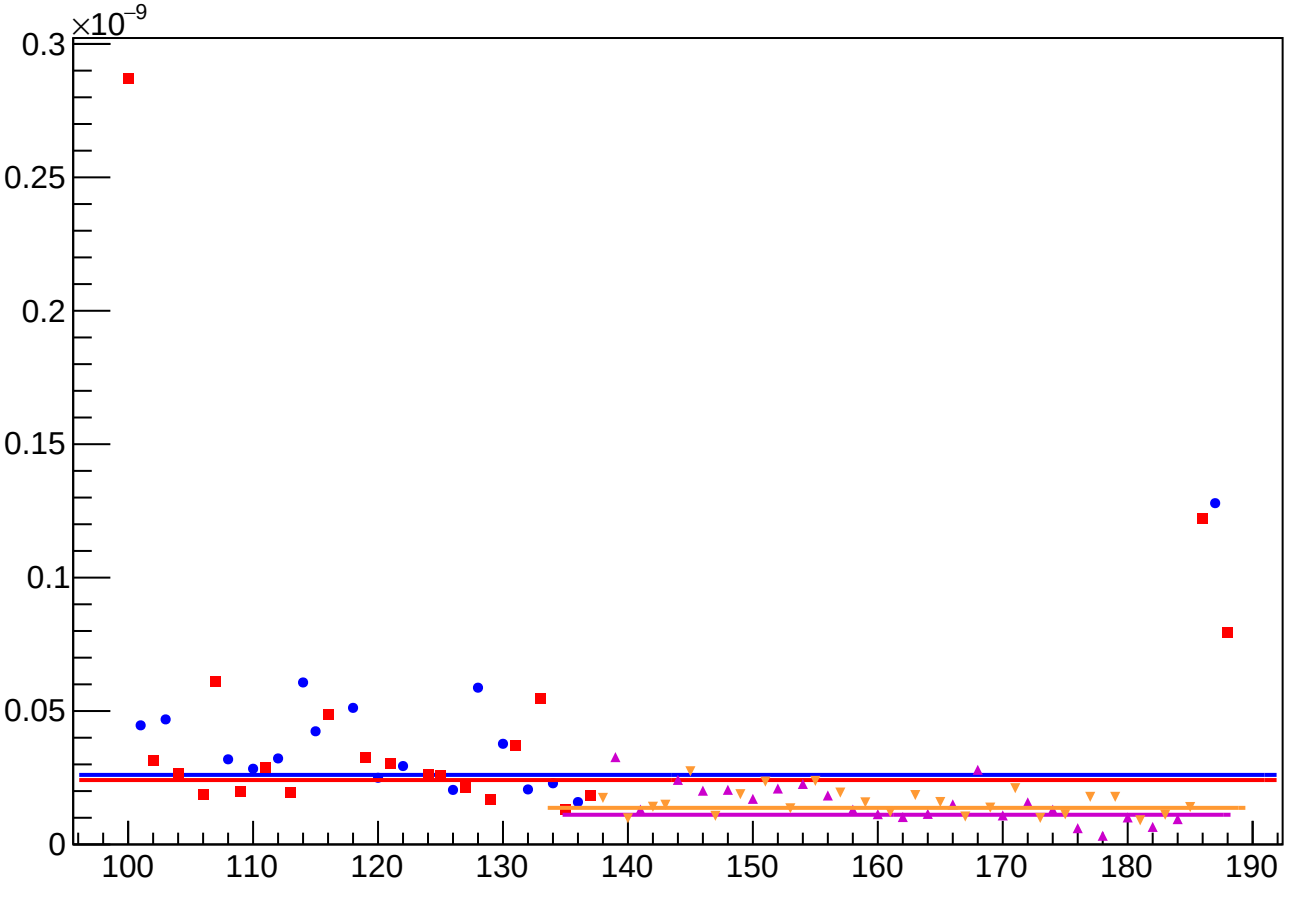
Left: -0.000+/-0.000 χ^2/NDF: 43.3/47

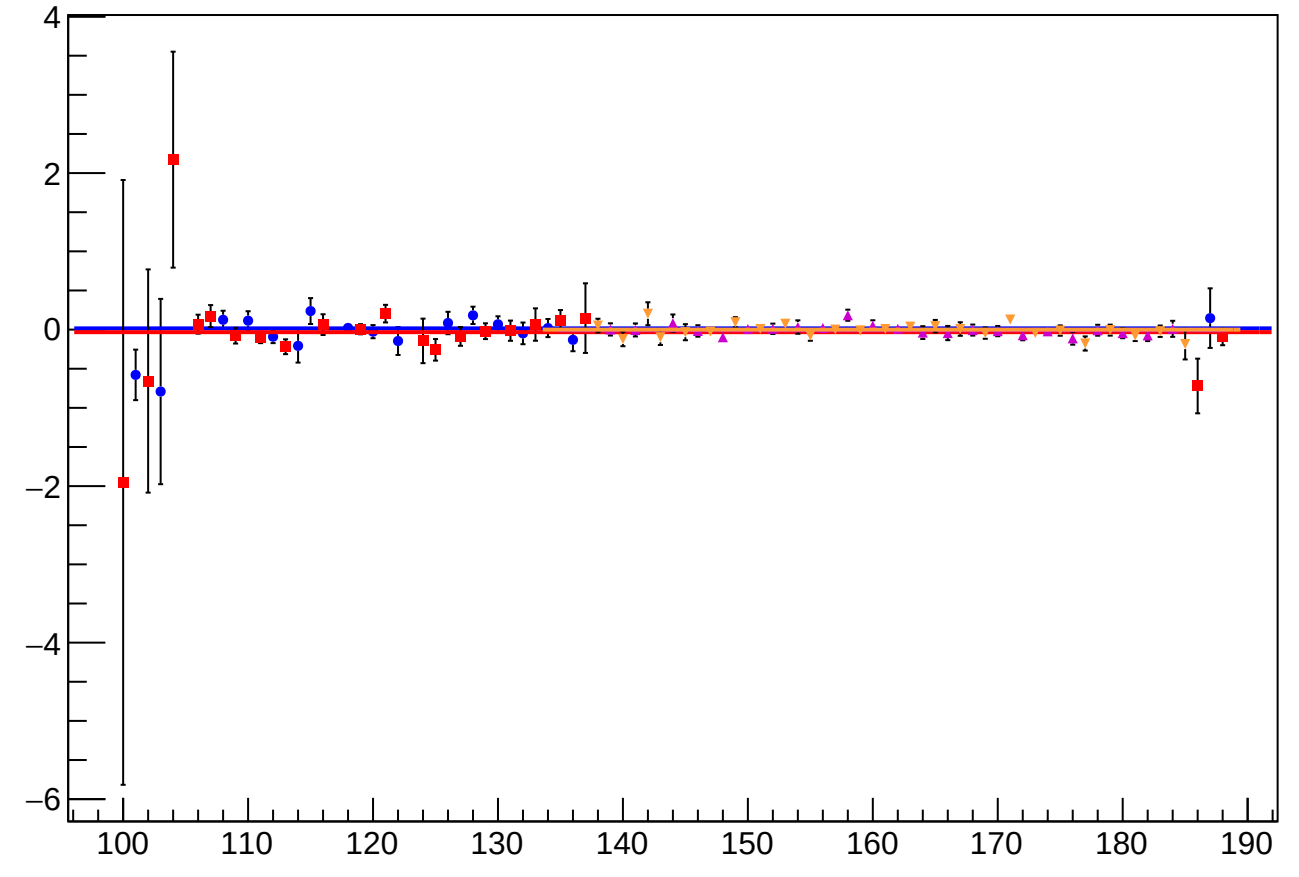
Right: 0.000+/-0.000 χ^2/NDF: 37.2/37

In: -0.000+/-0.000 χ^2/NDF:38.6/39

Out: 0.000+/-0.000 χ^2/NDF:42.7/45

All: -0.000+/-0.000 χ^2/NDF: 82.0/85


asym_atr1_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.3
0.25
0.2
0.15
0.1
0.05
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 999173.6/16
Left Out: 0.000+/-0.000 χ²/NDF:1210269.4/24
Right Out: 0.000+/-0.000 χ²/NDF: 1189694.6/20
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: 2203143.7/37
In: 0.000+/-0.000 χ²/NDF:5610083.6/39
Out: 0.000+/-0.000 χ²/NDF:3198430.8/45
All: 0.000+/-0.000 χ²/NDF: 9063533.8/85



Right In: 0.016+/-0.028 χ^2/NDF: 15.2/16

Left Out: -0.000+/-0.014 χ^2/NDF:22.6/24

Right Out: -0.033+/-0.027 χ^2/NDF: 25.1/20

Left In: -0.008+/-0.015 χ^2/NDF:15.5/22

Left: -0.004+/-0.010 χ^2/NDF: 38.2/47

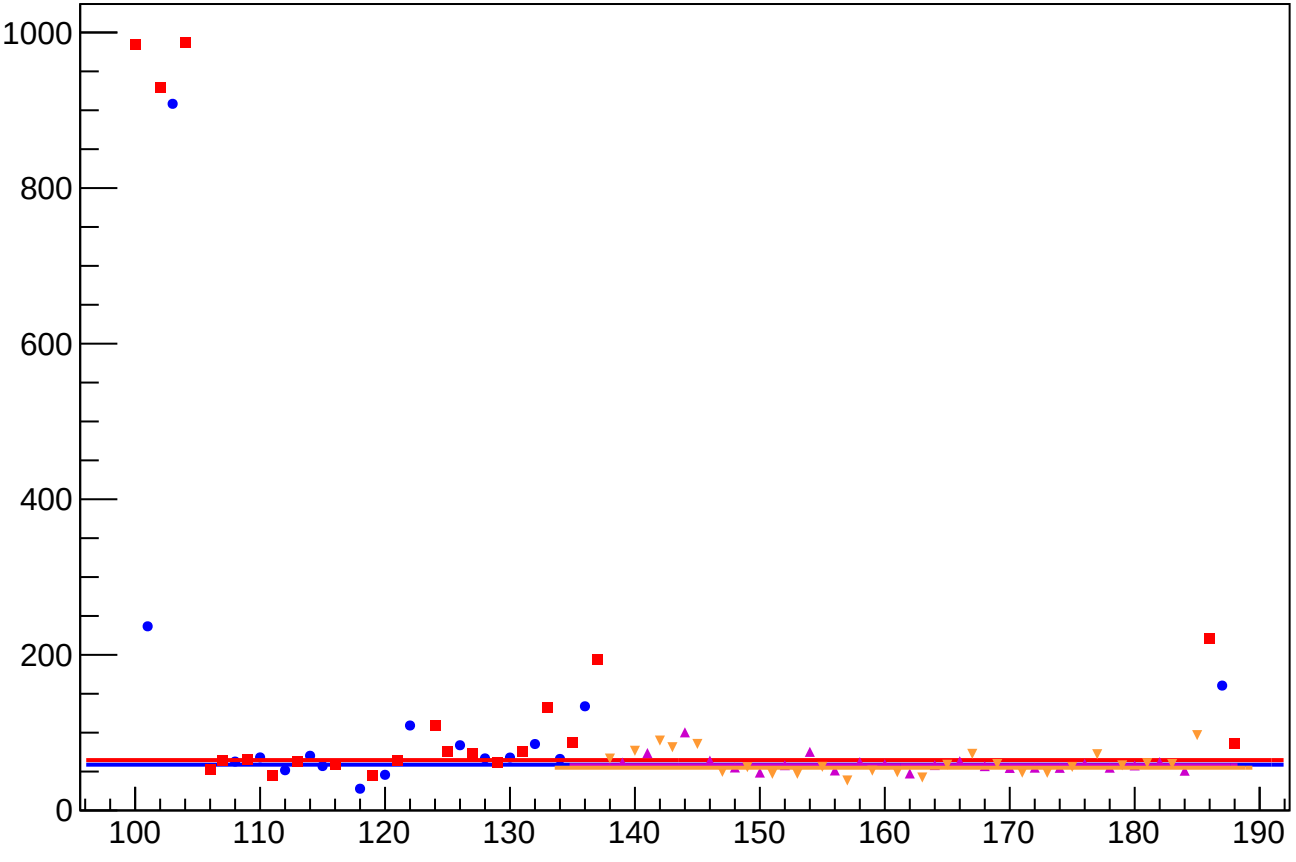
Right: -0.009+/-0.019 χ^2/NDF: 41.8/37

In: -0.003+/-0.013 χ^2/NDF:31.3/39

Out: -0.007+/-0.012 χ^2/NDF:48.8/45

All: -0.005+/-0.009 χ^2/NDF: 80.1/85

asym_atr1_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 58.856+/-0.020 χ^2/NDF: 3403735.6/16

Left Out: 54.931+/-0.010 χ^2/NDF:1297647.2/24

Right Out: 64.739+/-0.019 χ^2/NDF: 3126042.4/20

Left In: 58.138+/-0.010 χ^2/NDF:657436.9/22

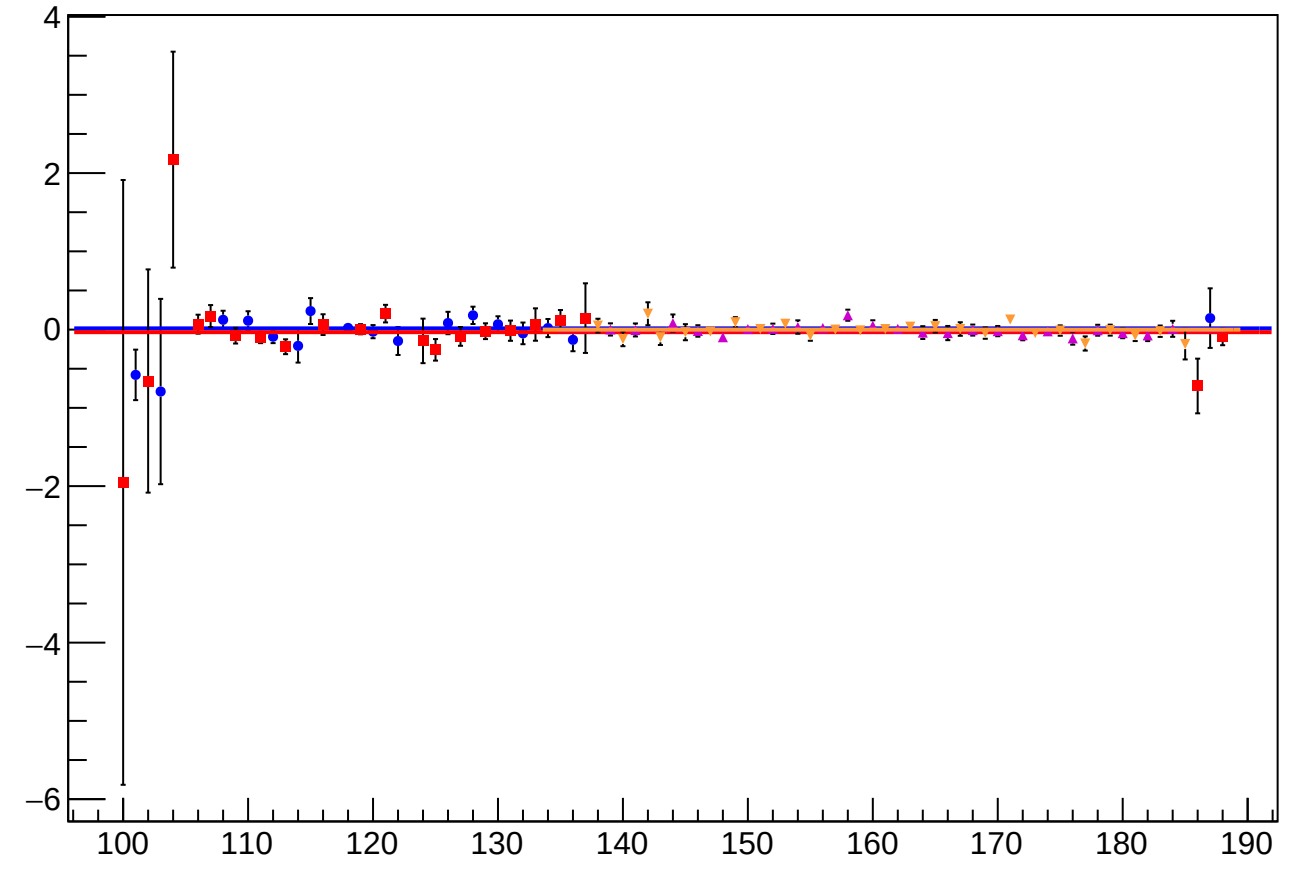
Left: 56.452+/-0.007 χ^2/NDF: 2004214.4/47

Right: 61.876+/-0.014 χ^2/NDF: 6575891.5/37

In: 58.297+/-0.009 χ^2/NDF:4062213.2/39

Out: 57.028+/-0.009 χ^2/NDF:4630762.9/45

All: 57.634+/-0.006 χ^2/NDF: 8702825.0/85



Right In: 0.016+/-0.028 χ^2/NDF: 15.2/16

Left Out: -0.000+/-0.014 χ^2/NDF:22.6/24

Right Out: -0.033+/-0.027 χ^2/NDF: 25.1/20

Left In: -0.008+/-0.015 χ^2/NDF:15.5/22

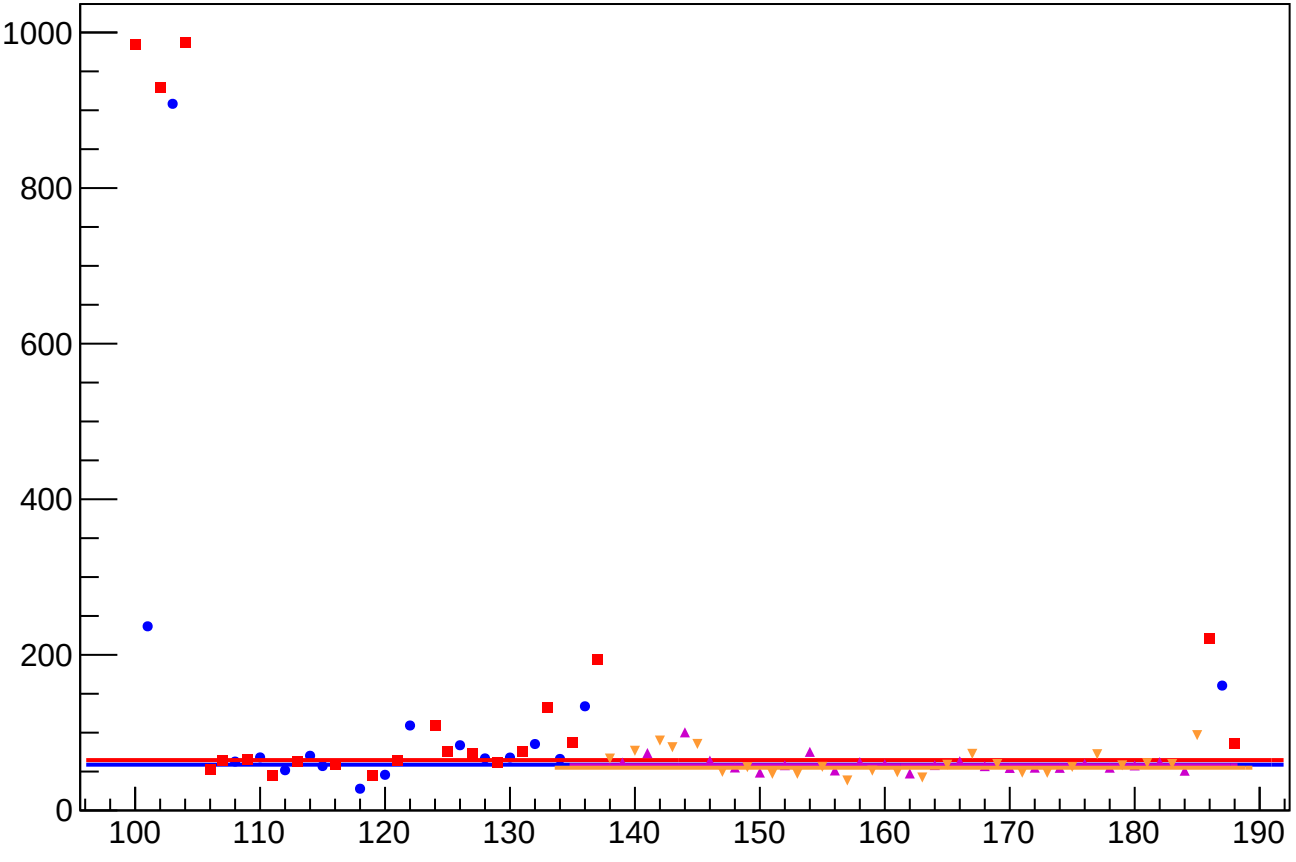
Left: -0.004+/-0.010 χ^2/NDF: 38.2/47

Right: -0.009+/-0.019 χ^2/NDF: 41.8/37

In: -0.003+/-0.013 χ^2/NDF:31.3/39

Out: -0.007+/-0.012 χ^2/NDF:48.8/45

All: -0.005+/-0.009 χ^2/NDF: 80.1/85



Right In: 58.856+/-0.020 χ^2/NDF: 3403735.6/16

Left Out: 54.931+/-0.010 χ^2/NDF:1297647.2/24

Right Out: 64.739+/-0.019 χ^2/NDF: 3126042.4/20

Left In: 58.138+/-0.010 χ^2/NDF:657436.9/22

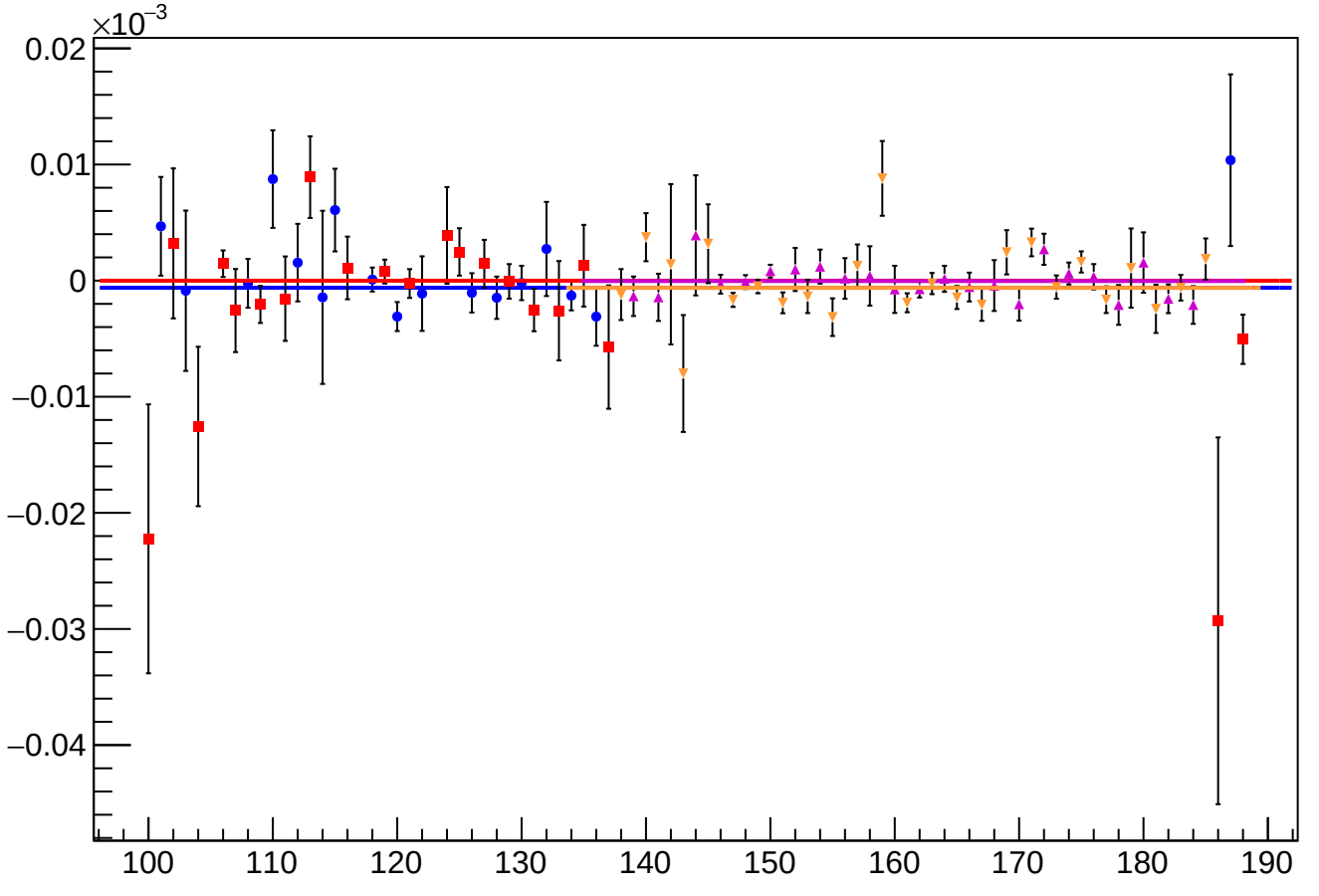
Left: 56.452+/-0.007 χ^2/NDF: 2004214.4/47

Right: 61.876+/-0.014 χ^2/NDF: 6575891.5/37

In: 58.297+/-0.009 χ^2/NDF:4062213.2/39

Out: 57.028+/-0.009 χ^2/NDF:4630762.9/45

All: 57.634+/-0.006 χ^2/NDF: 8702825.0/85



Right In: -0.000+/-0.000 χ^2/NDF: 19.5/16

Left Out: -0.000+/-0.000 χ^2/NDF:52.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 34.0/20

Left In: -0.000+/-0.000 χ^2/NDF:18.2/22

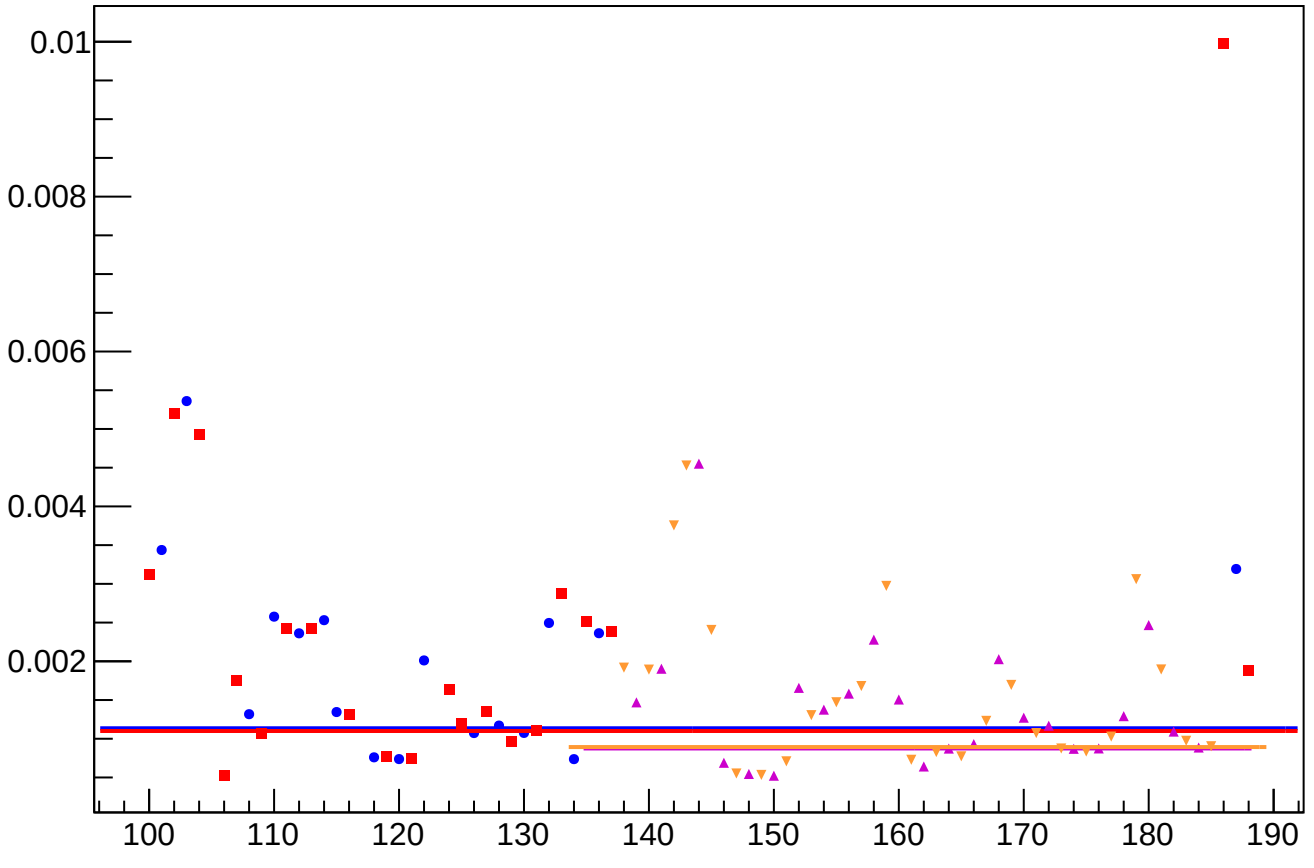
Left: -0.000+/-0.000 χ^2/NDF: 74.1/47

Right: -0.000+/-0.000 χ^2/NDF: 54.3/37

In: -0.000+/-0.000 χ^2/NDF:38.8/39

Out: -0.000+/-0.000 χ^2/NDF:88.2/45

All: -0.000+/-0.000 χ^2/NDF: 128.4/85



Right In: 0.001+/-0.000 χ^2/NDF: 3608610.8/16

Left Out: 0.001+/-0.000 χ^2/NDF:7739119.9/24

Right Out: 0.001+/-0.000 χ^2/NDF: 4770578.9/20

Left In: 0.001+/-0.000 χ^2/NDF:6963716.3/22

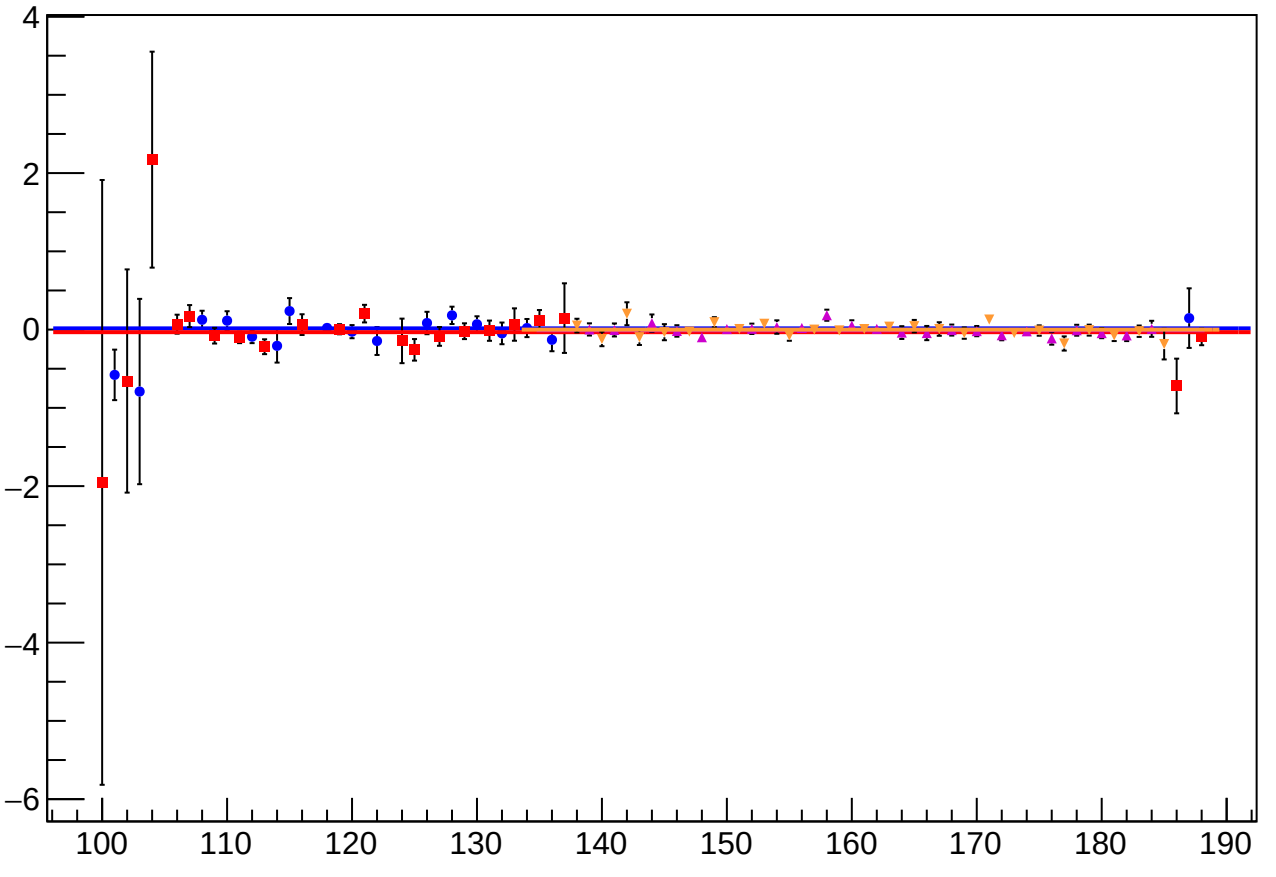
Left: 0.001+/-0.000 χ^2/NDF: 14708860.3/47

Right: 0.001+/-0.000 χ^2/NDF: 8384709.4/37

In: 0.001+/-0.000 χ^2/NDF:11033245.6/39

Out: 0.001+/-0.000 χ^2/NDF:12840365.8/45

All: 0.001+/-0.000 χ^2/NDF: 23876948.5/85



Right In: 0.016+/-0.028 χ^2/NDF: 15.2/16

Left Out: -0.000+/-0.014 χ^2/NDF:22.6/24

Right Out: -0.033+/-0.027 χ^2/NDF: 25.1/20

Left In: -0.008+/-0.015 χ^2/NDF:15.5/22

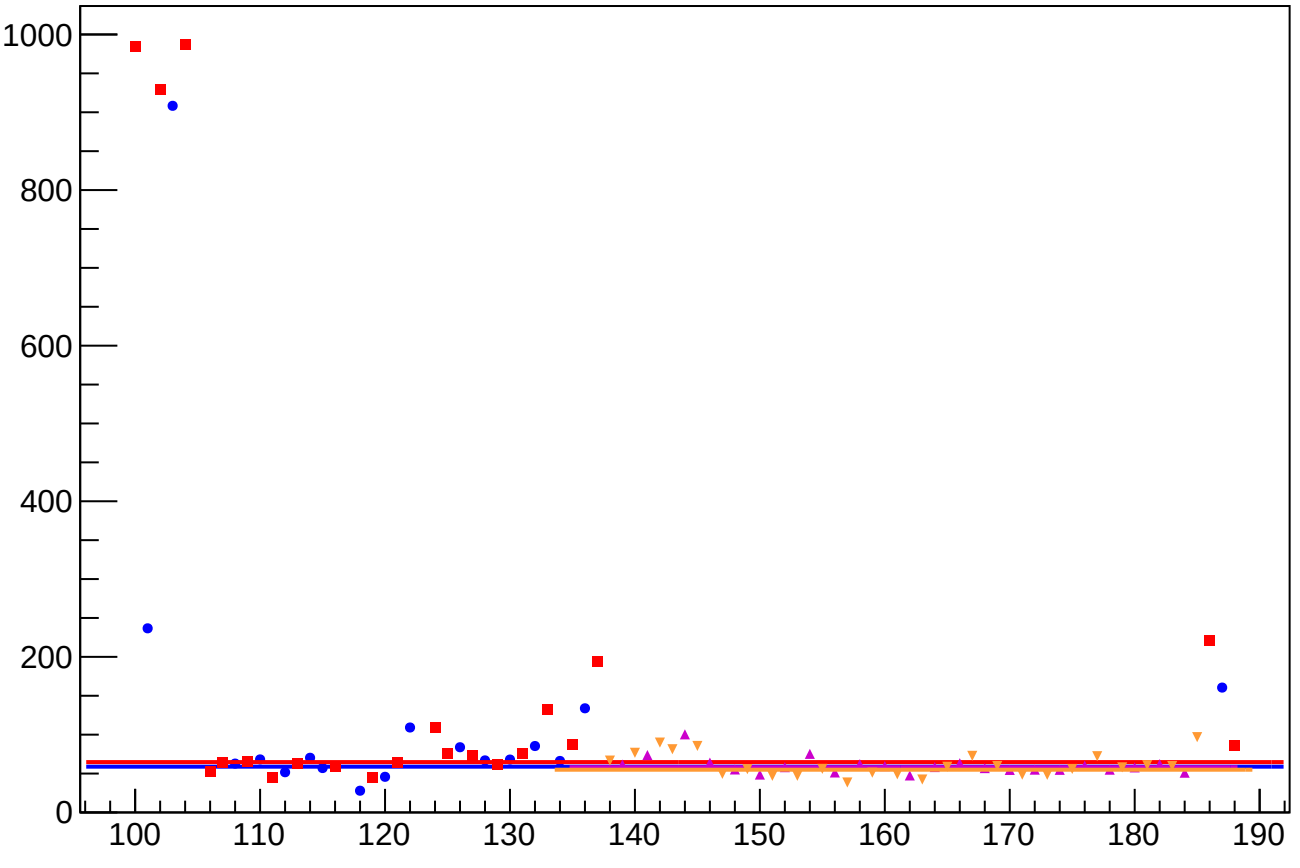
Left: -0.004+/-0.010 χ^2/NDF: 38.2/47

Right: -0.009+/-0.019 χ^2/NDF: 41.8/37

In: -0.003+/-0.013 χ^2/NDF:31.3/39

Out: -0.007+/-0.012 χ^2/NDF:48.8/45

All: -0.005+/-0.009 χ^2/NDF: 80.1/85



Right In: 58.855+/-0.020 χ^2/NDF: 3403820.7/16

Left Out: 54.930+/-0.010 χ^2/NDF:1297722.9/24

Right Out: 64.738+/-0.019 χ^2/NDF: 3126042.1/20

Left In: 58.138+/-0.010 χ^2/NDF:657460.3/22

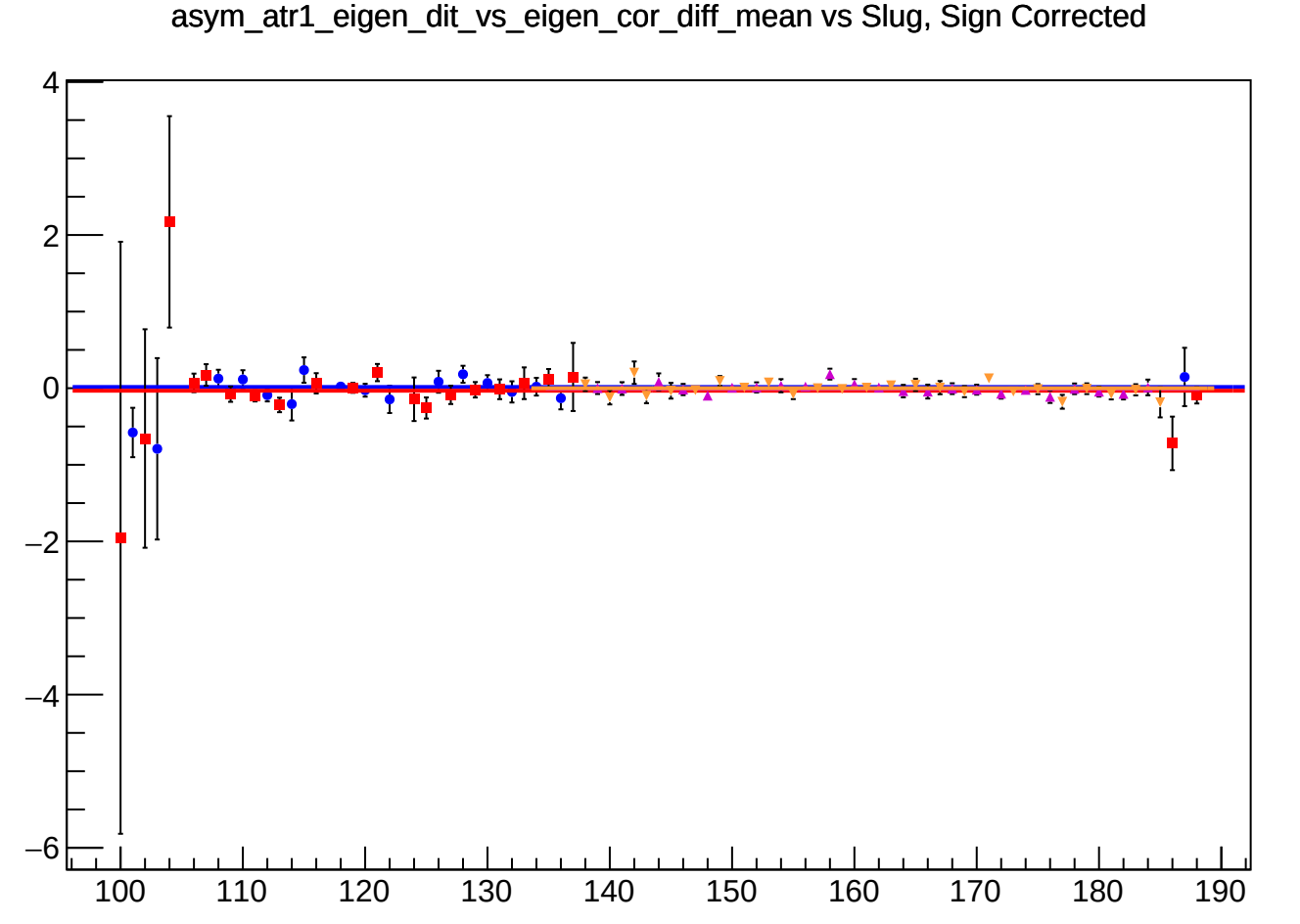
Left: 56.452+/-0.007 χ^2/NDF: 2004328.0/47

Right: 61.875+/-0.014 χ^2/NDF: 6575986.1/37

In: 58.297+/-0.009 χ^2/NDF:4062319.2/39

Out: 57.027+/-0.009 χ^2/NDF:4630847.2/45

All: 57.633+/-0.006 χ^2/NDF: 8703019.0/85



Right In: 0.016+/-0.028 χ^2/NDF: 15.2/16

Left Out: -0.000+/-0.014 χ^2/NDF:22.6/24

Right Out: -0.033+/-0.027 χ^2/NDF: 25.1/20

Left In: -0.008+/-0.015 χ^2/NDF:15.5/22

Left: -0.004+/-0.010 χ^2/NDF: 38.2/47

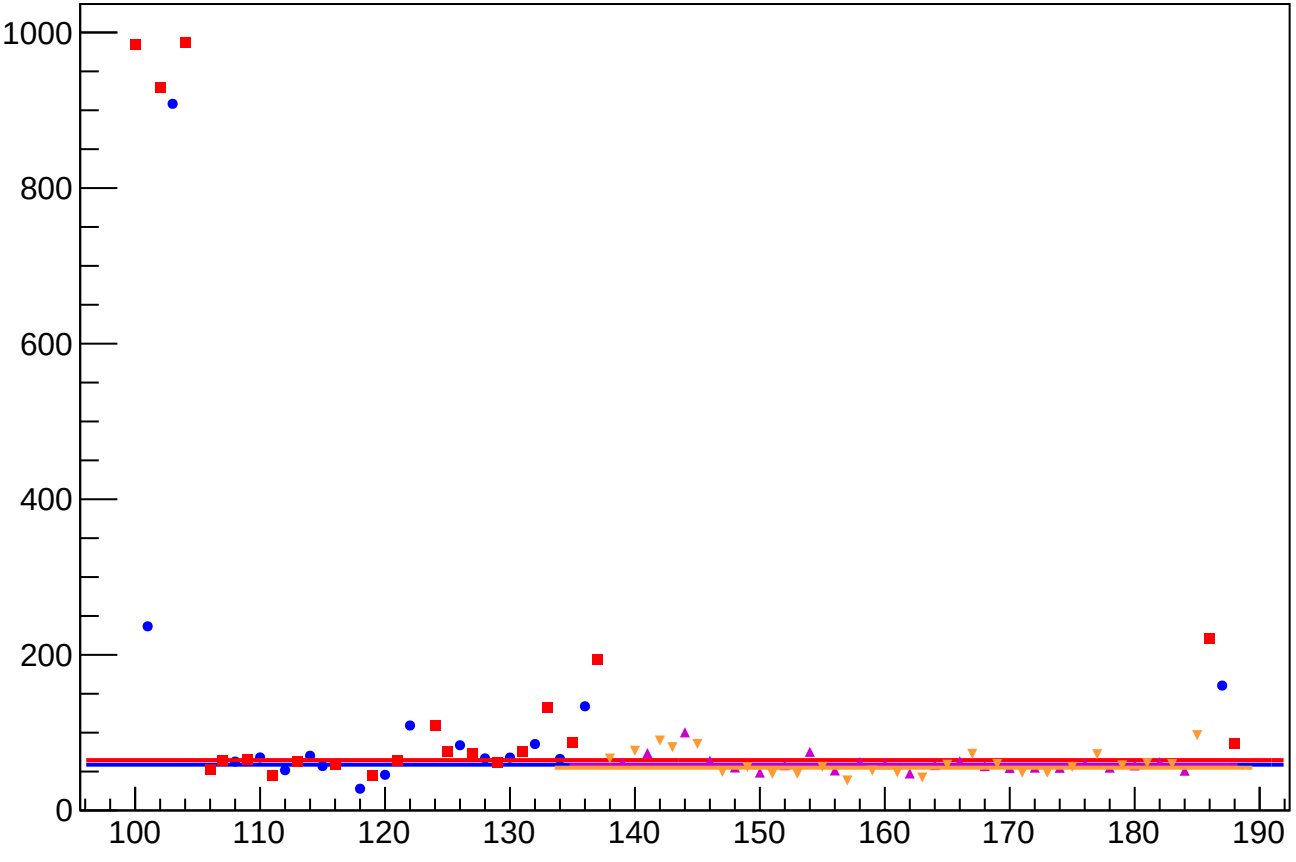
Right: -0.009+/-0.019 χ^2/NDF: 41.8/37

In: -0.003+/-0.013 χ^2/NDF:31.3/39

Out: -0.007+/-0.012 χ^2/NDF:48.8/45

All: -0.005+/-0.009 χ^2/NDF: 80.1/85

asym_atr1_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 58.855+/-0.020 χ^2/NDF: 3403820.7/16

Left Out: 54.930+/-0.010 χ^2/NDF:1297722.9/24

Right Out: 64.738+/-0.019 χ^2/NDF: 3126042.1/20

Left In: 58.138+/-0.010 χ^2/NDF:657460.3/22

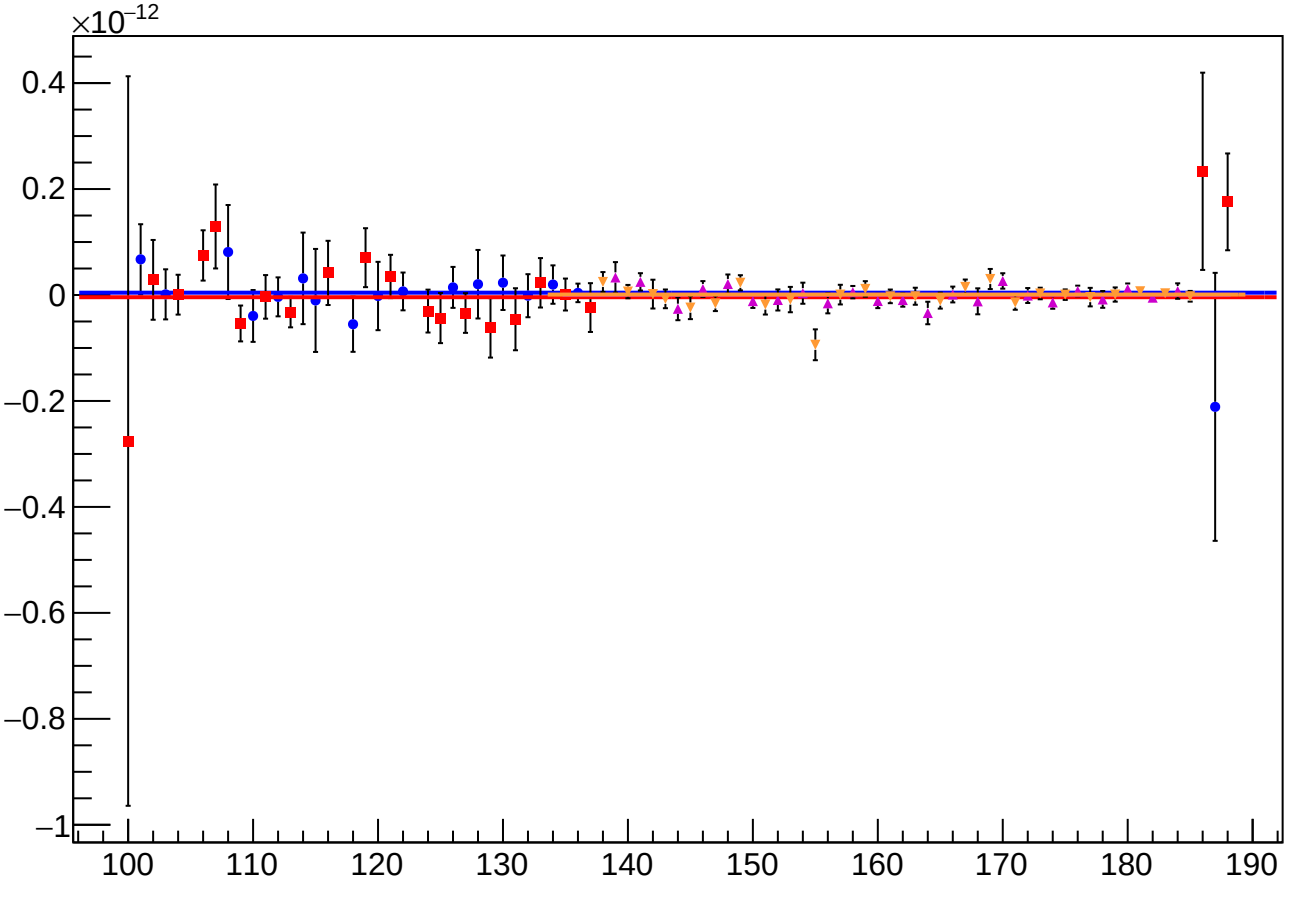
Left: 56.452+/-0.007 χ^2/NDF: 2004328.0/47

Right: 61.875+/-0.014 χ^2/NDF: 6575986.1/37

In: 58.297+/-0.009 χ^2/NDF:4062319.2/39

Out: 57.027+/-0.009 χ^2/NDF:4630847.2/45

All: 57.633+/-0.006 χ^2/NDF: 8703019.0/85



Right In: 0.000+/-0.000 χ^2/NDF: 5.1/16

Left Out: 0.000+/-0.000 χ^2/NDF:25.3/24

Right Out: -0.000+/-0.000 χ^2/NDF: 21.7/20

Left In: 0.000+/-0.000 χ^2/NDF:20.2/22

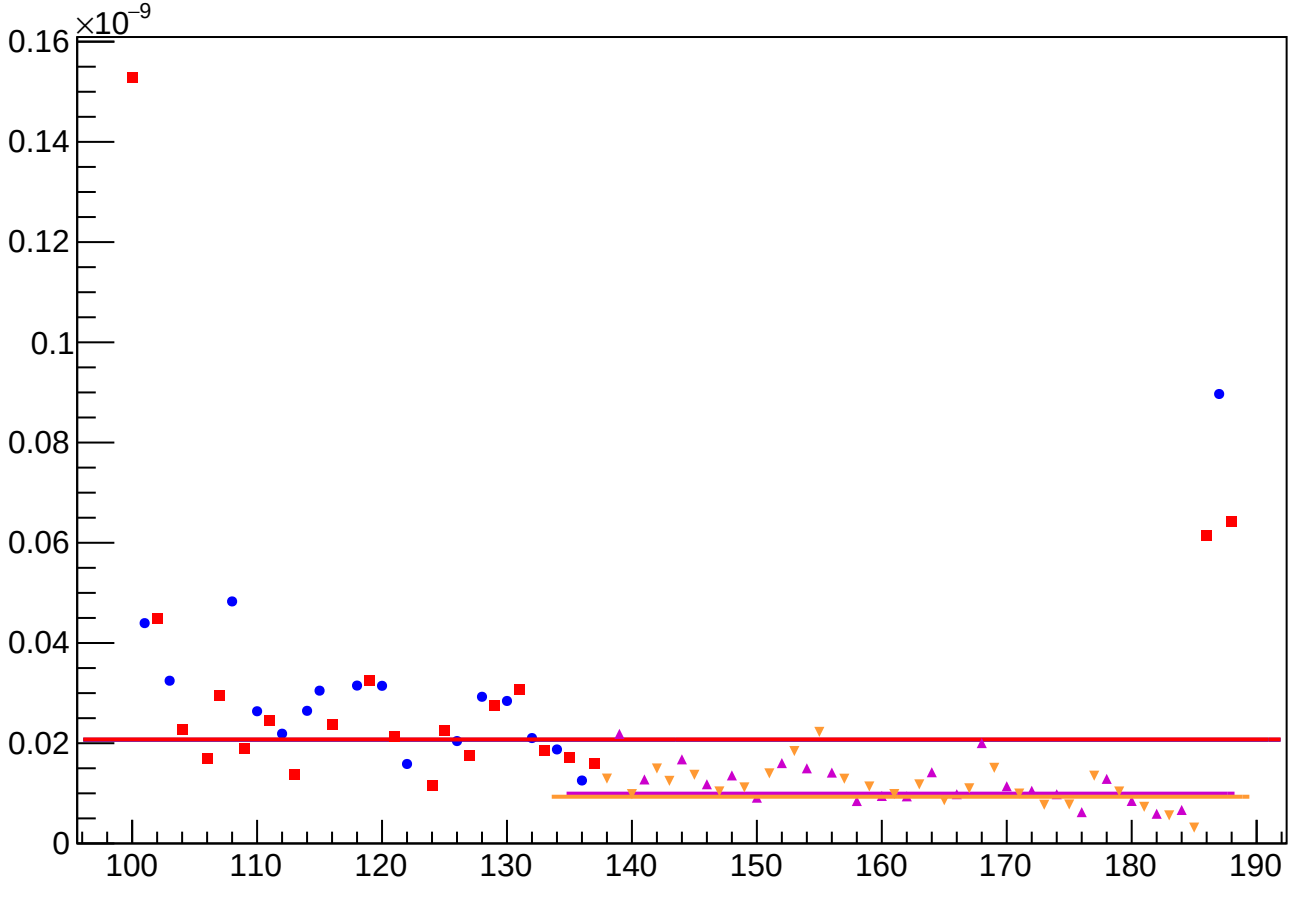
Left: 0.000+/-0.000 χ^2/NDF: 45.6/47

Right: 0.000+/-0.000 χ^2/NDF: 27.2/37

In: 0.000+/-0.000 χ^2/NDF:25.5/39

Out: 0.000+/-0.000 χ^2/NDF:47.3/45

All: 0.000+/-0.000 χ^2/NDF: 72.8/85



Right In: 0.000+/-0.000 χ^2/NDF: 1468713.8/16

Left Out: 0.000+/-0.000 χ^2/NDF:3070809.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 1371546.3/20

Left In: 0.000+/-0.000 χ^2/NDF:2573277.3/22

Left: 0.000+/-0.000 χ^2/NDF: 5690216.6/47

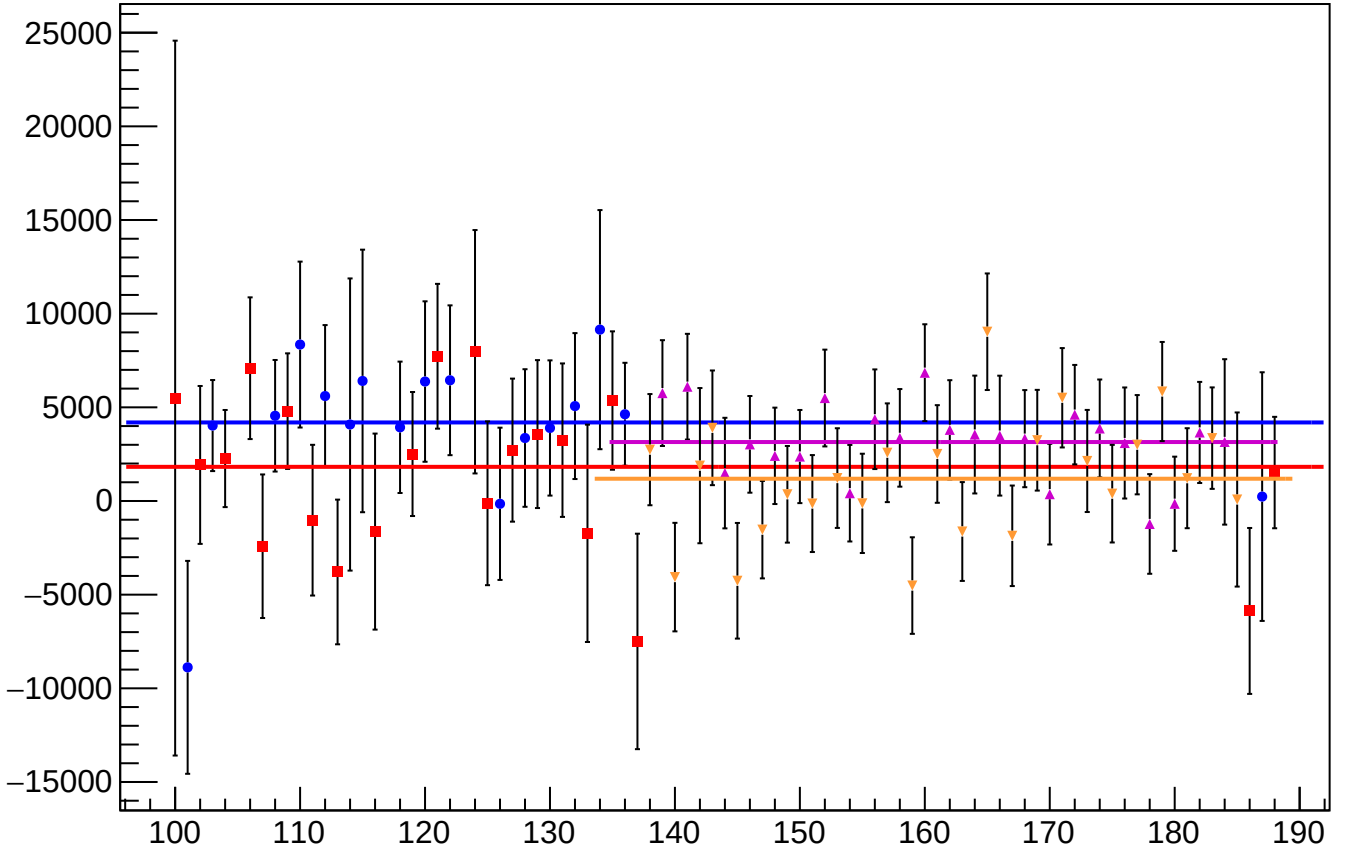
Right: 0.000+/-0.000 χ^2/NDF: 2840295.9/37

In: 0.000+/-0.000 χ^2/NDF:6077847.6/39

Out: 0.000+/-0.000 χ^2/NDF:6851228.7/45

All: 0.000+/-0.000 χ^2/NDF: 12982606.0/85

reg_asym_atr2_mean vs Slug, Sign Corrected



Right In: 4192.967+/-942.312 χ^2/NDF: 9.2/16

Left Out: 1188.836+/-556.242 χ^2/NDF:31.1/24

Right Out: 1823.506+/-863.829 χ^2/NDF: 18.0/20

Left In: 3147.419+/-569.221 χ^2/NDF:12.7/22

Left: 2145.543+/-397.832 χ^2/NDF: 49.9/47

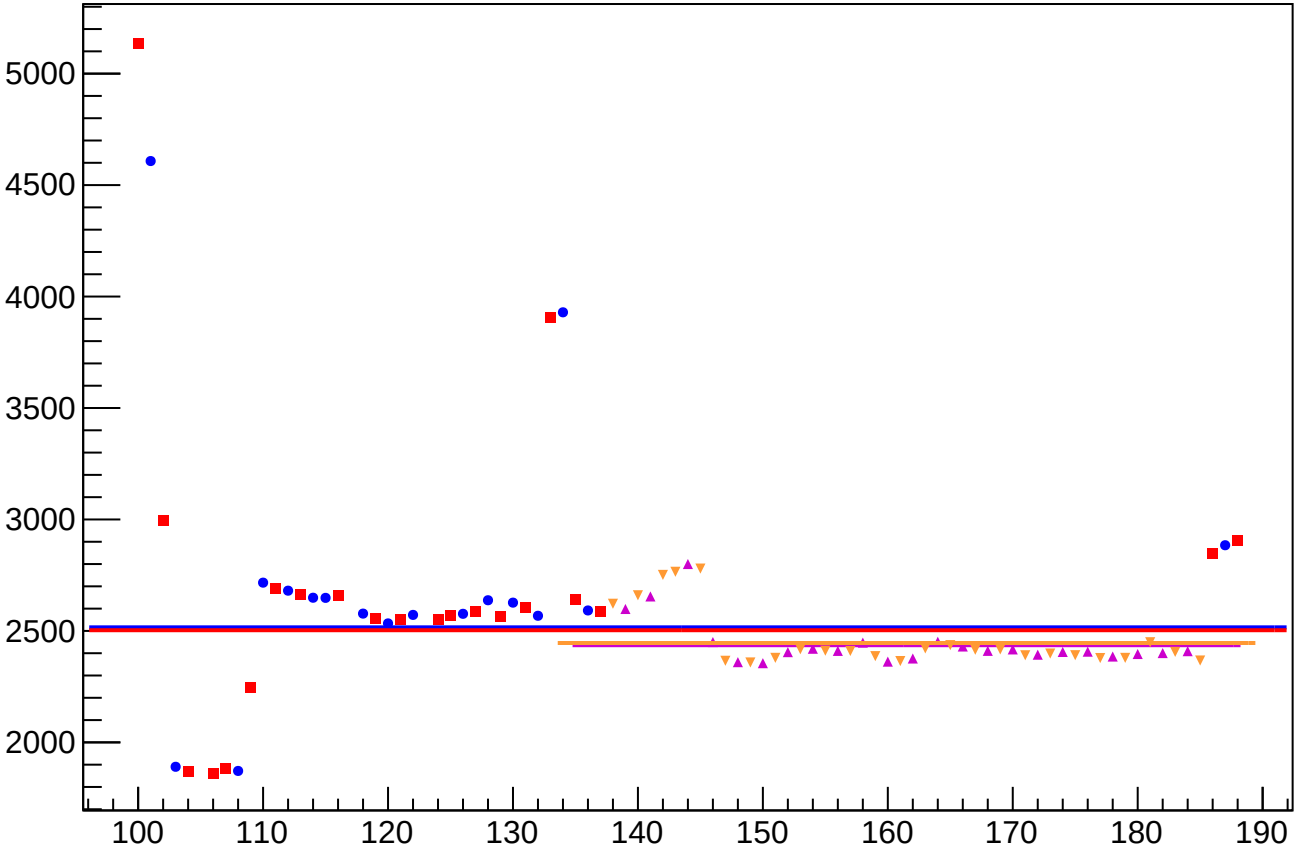
Right: 2905.469+/-636.761 χ^2/NDF: 30.7/37

In: 3426.942+/-487.227 χ^2/NDF:22.8/39

Out: 1374.862+/-467.671 χ^2/NDF:49.5/45

All: 2358.894+/-337.395 χ^2/NDF: 81.6/85

reg_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2516.045+/-0.666 χ^2/NDF: 617877.5/16

Left Out: 2445.826+/-0.393 χ^2/NDF:90014.8/24

Right Out: 2503.140+/-0.611 χ^2/NDF: 492151.9/20

Left In: 2435.950+/-0.403 χ^2/NDF:59189.9/22

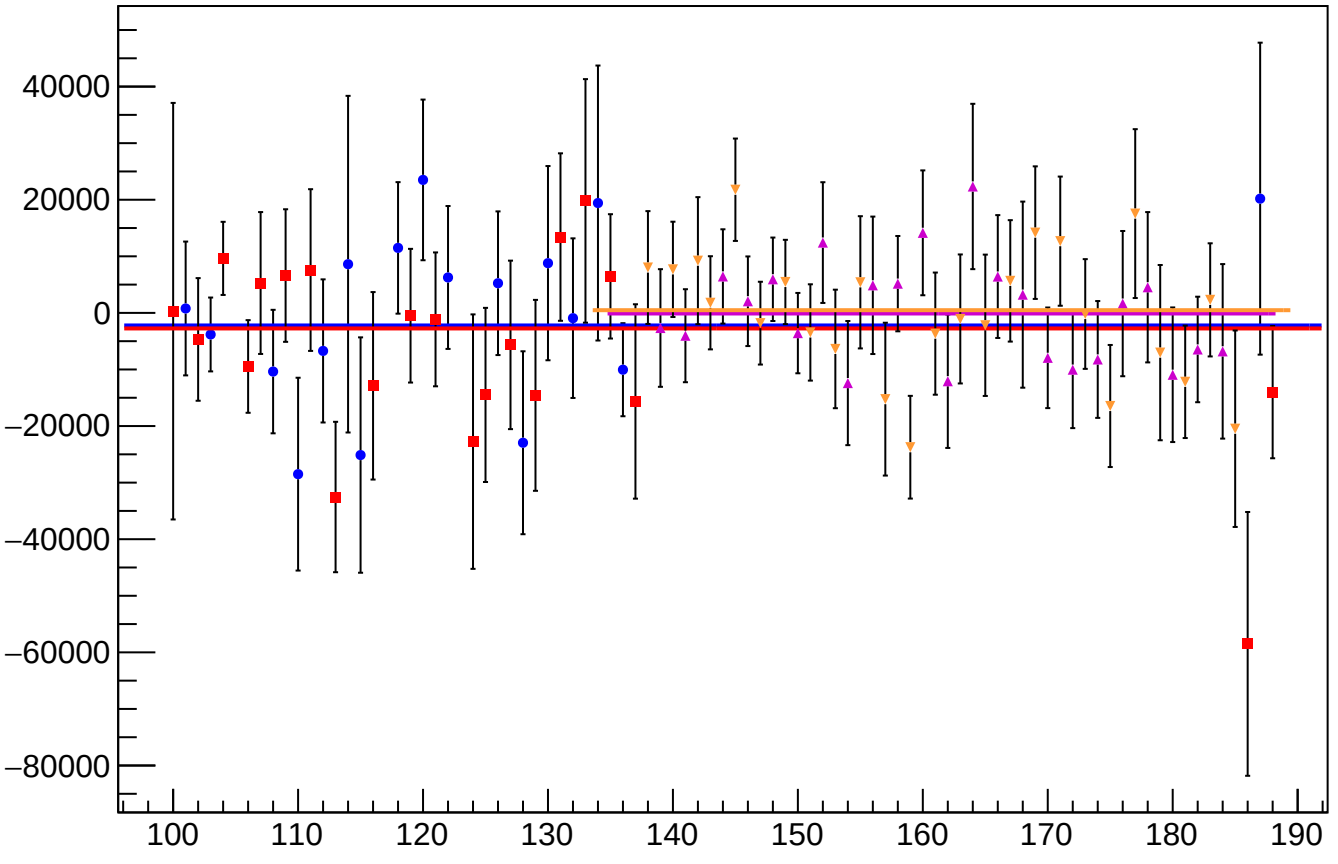
Left: 2441.002+/-0.281 χ^2/NDF: 149512.6/47

Right: 2509.033+/-0.450 χ^2/NDF: 1110233.2/37

In: 2457.363+/-0.345 χ^2/NDF:687653.8/39

Out: 2462.625+/-0.331 χ^2/NDF:588390.7/45

All: 2460.102+/-0.239 χ^2/NDF: 1276165.9/85



Right In: -2221.713+/-3056.621 χ^2/NDF: 14.4/16

Left Out: 477.187+/-2035.969 χ^2/NDF:27.4/24

Right Out: -2749.231+/-2752.046 χ^2/NDF: 23.5/20

Left In: -104.954+/-2090.899 χ^2/NDF:14.5/22

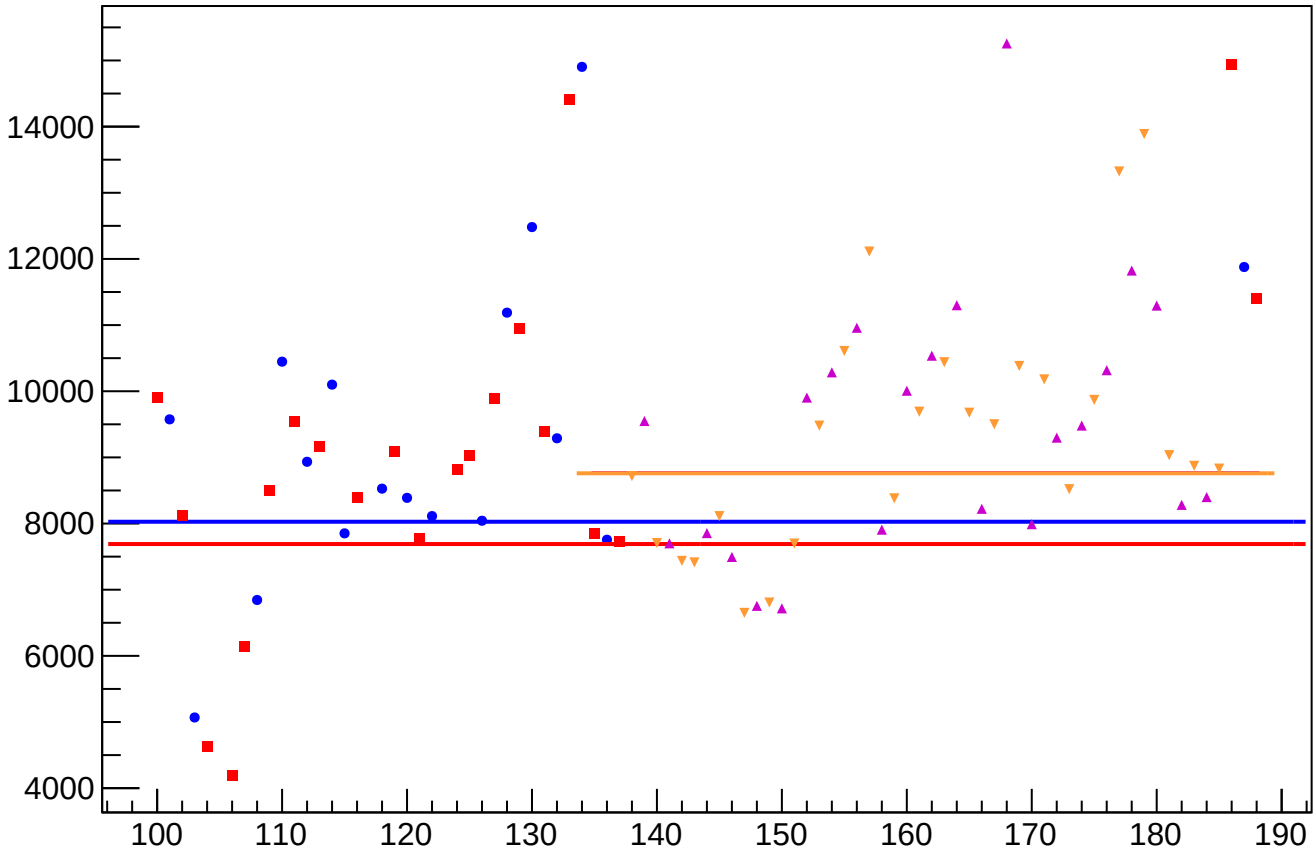
Left: 193.864+/-1458.680 χ^2/NDF: 41.9/47

Right: -2513.056+/-2045.218 χ^2/NDF: 38.0/37

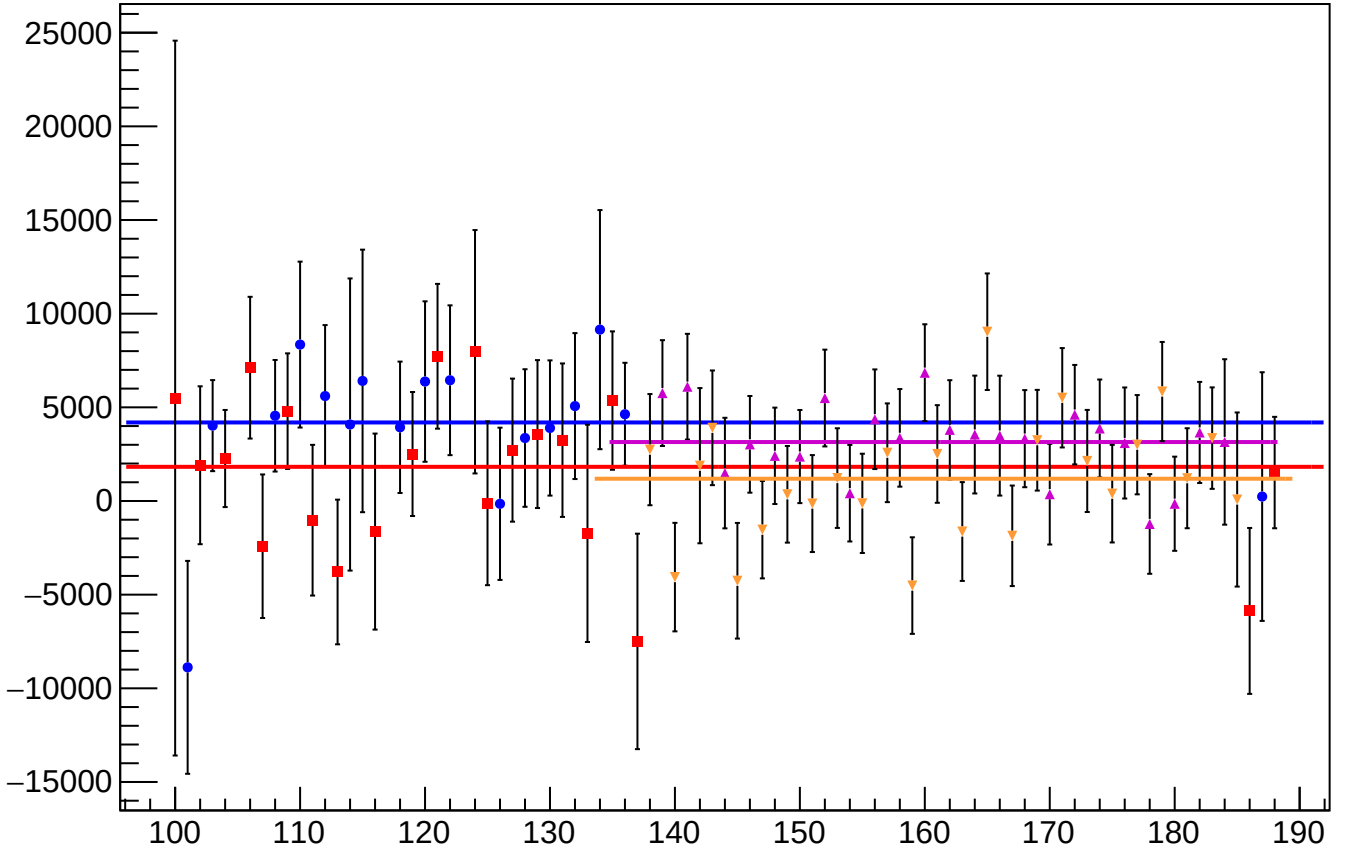
In: -779.712+/-1725.758 χ^2/NDF:29.2/39

Out: -664.048+/-1636.752 χ^2/NDF:51.8/45

All: -718.821+/-1187.578 χ^2/NDF: 81.0/85


asym_atr2_reg_correction_rms vs Slug, Sign Corrected
14000
12000
10000
8000
6000
4000
100
110
120
130
140
150
160
170
180
190
Right In: 8027.399+/-2.161 χ²/NDF: 962573.6/16
Left Out: 8759.635+/-1.440 χ²/NDF:1222238.0/24
Right Out: 7690.424+/-1.946 χ²/NDF: 1707928.6/20
Left In: 8764.138+/-1.478 χ²/NDF:1291698.9/22
Left: 8761.827+/-1.031 χ²/NDF: 2513941.7/47
Right: 7841.291+/-1.446 χ²/NDF: 2683927.1/37
In: 8529.288+/-1.220 χ²/NDF:2333425.6/39
Out: 8381.438+/-1.157 χ²/NDF:3125271.8/45
All: 8451.452+/-0.840 χ²/NDF: 5466425.4/85

cor_asym_atr2_mean vs Slug, Sign Corrected



Right In: 4192.509+/-942.312 χ^2/NDF: 9.2/16

Left Out: 1188.666+/-556.242 χ^2/NDF:31.1/24

Right Out: 1824.020+/-863.835 χ^2/NDF: 18.0/20

Left In: 3147.222+/-569.221 χ^2/NDF:12.7/22

Left: 2145.360+/-397.832 χ^2/NDF: 49.9/47

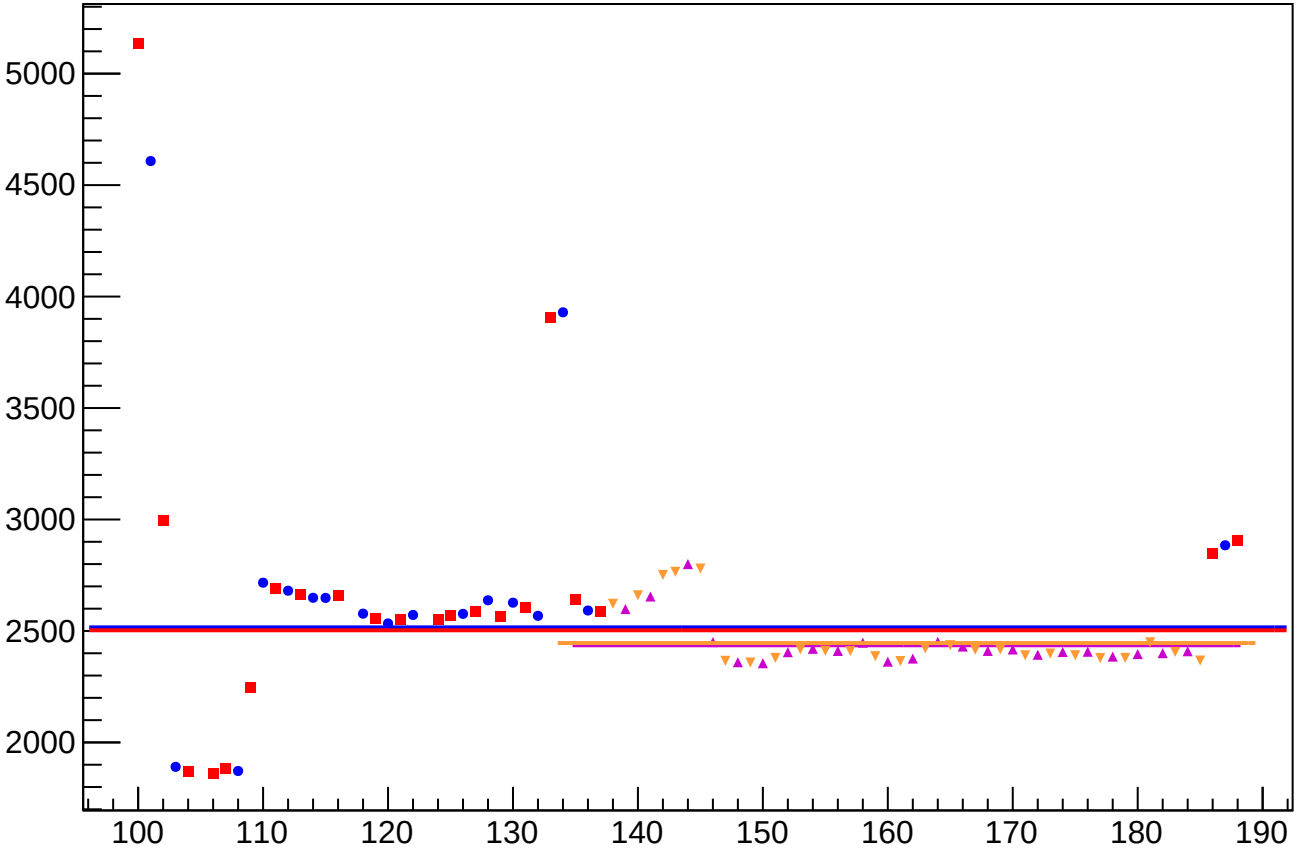
Right: 2905.548+/-636.763 χ^2/NDF: 30.7/37

In: 3426.675+/-487.227 χ^2/NDF:22.8/39

Out: 1374.891+/-467.672 χ^2/NDF:49.5/45

All: 2358.784+/-337.395 χ^2/NDF: 81.6/85

cor_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2516.046+/-0.666 χ^2/NDF: 617875.2/16

Left Out: 2445.826+/-0.393 χ^2/NDF:90014.8/24

Right Out: 2503.163+/-0.611 χ^2/NDF: 492091.3/20

Left In: 2435.950+/-0.403 χ^2/NDF:59189.9/22

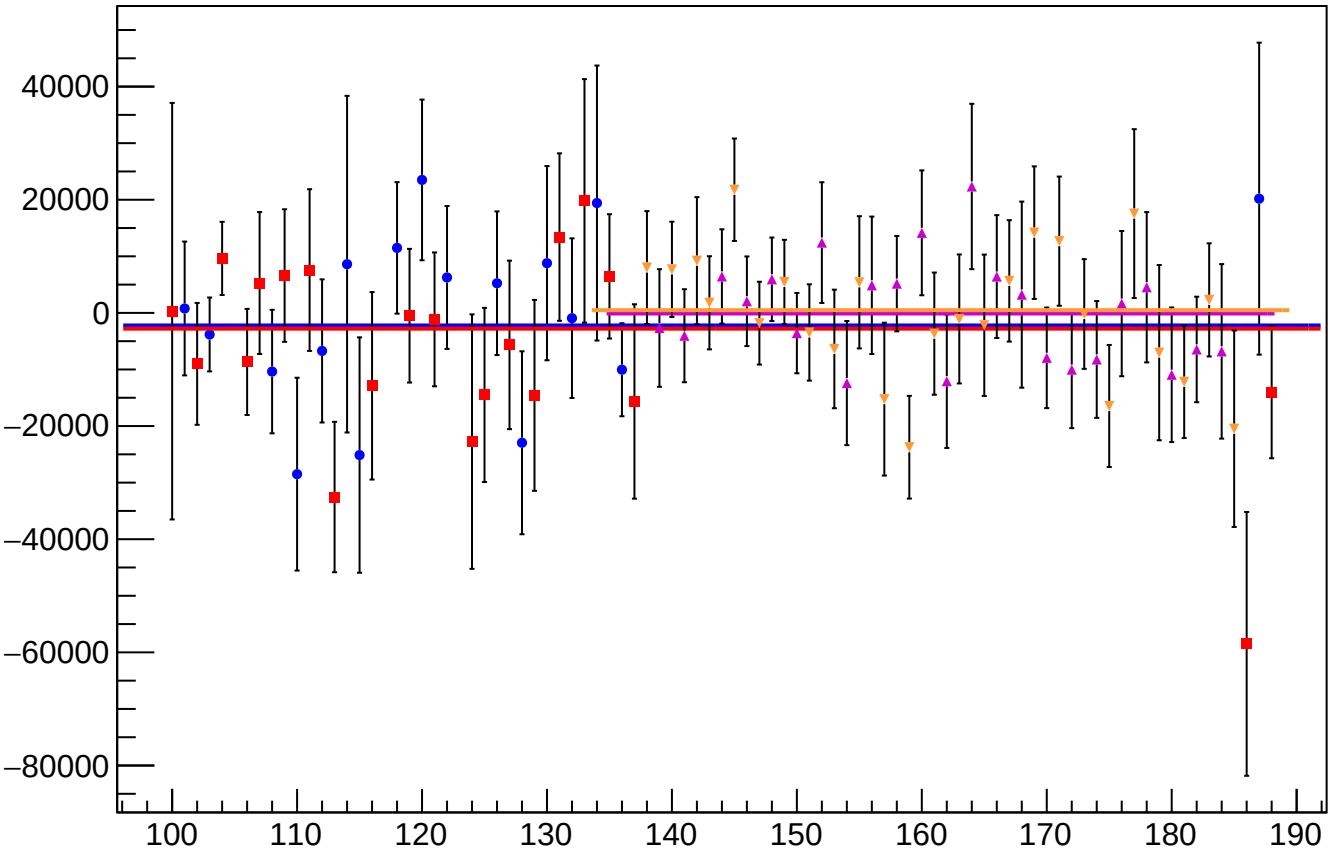
Left: 2441.002+/-0.281 χ^2/NDF: 149512.6/47

Right: 2509.045+/-0.450 χ^2/NDF: 1110169.7/37

In: 2457.363+/-0.345 χ^2/NDF:687651.8/39

Out: 2462.631+/-0.331 χ^2/NDF:588334.8/45

All: 2460.105+/-0.239 χ^2/NDF: 1276108.2/85



Right In: -2221.476+/-3056.708 χ^2/NDF: 14.4/16

Left Out: 477.198+/-2035.967 χ^2/NDF:27.4/24

Right Out: -2785.304+/-2788.555 χ^2/NDF: 23.5/20

Left In: -105.025+/-2090.897 χ^2/NDF:14.5/22

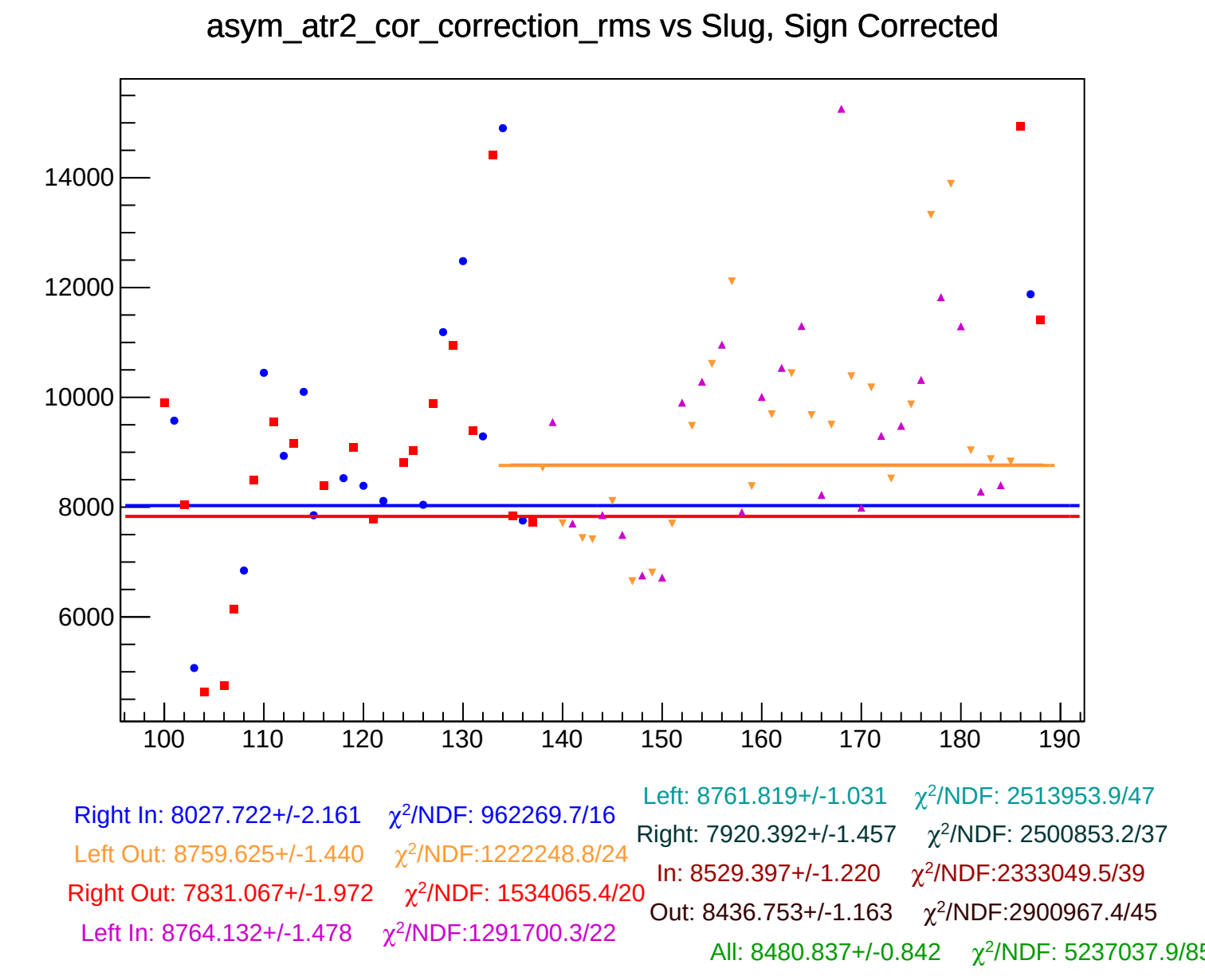
Left: 193.835+/-1458.679 χ^2/NDF: 41.9/47

Right: -2529.202+/-2060.096 χ^2/NDF: 38.0/37

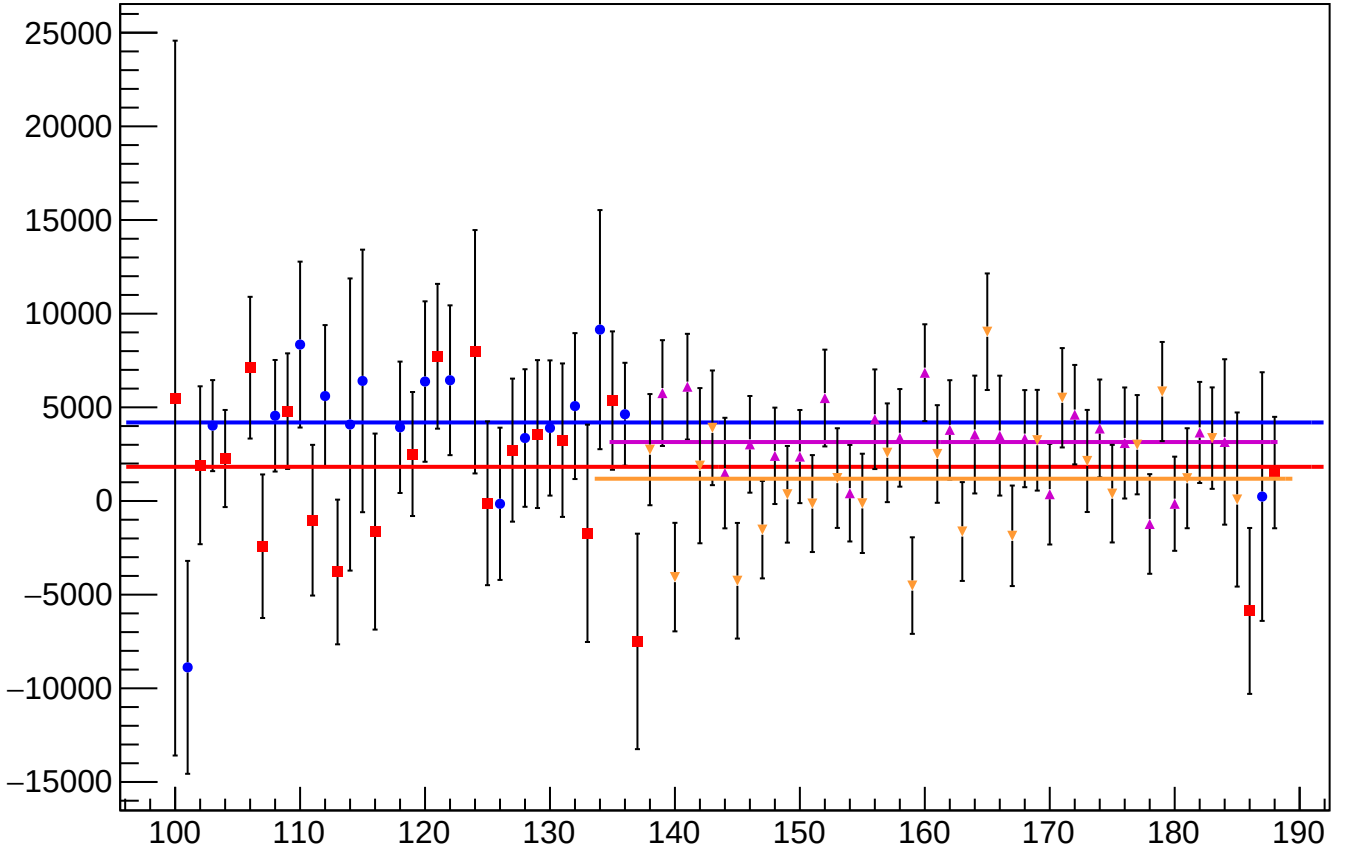
In: -779.658+/-1725.773 χ^2/NDF:29.2/39

Out: -657.218+/-1644.333 χ^2/NDF:51.8/45

All: -715.481+/-1190.469 χ^2/NDF: 81.1/85


asym_atr2_cor_correction_rms vs Slug, Sign Corrected
14000
12000
10000
8000
6000
100
110
120
130
140
150
160
170
180
190
Right In: 8027.722+/-2.161 χ²/NDF: 962269.7/16
Left Out: 8759.625+/-1.440 χ²/NDF:1222248.8/24
Right Out: 7831.067+/-1.972 χ²/NDF: 1534065.4/20
Left In: 8764.132+/-1.478 χ²/NDF:1291700.3/22
Left: 8761.819+/-1.031 χ²/NDF: 2513953.9/47
Right: 7920.392+/-1.457 χ²/NDF: 2500853.2/37
In: 8529.397+/-1.220 χ²/NDF:2333049.5/39
Out: 8436.753+/-1.163 χ²/NDF:2900967.4/45
All: 8480.837+/-0.842 χ²/NDF: 5237037.9/85

eigen_cor_asym_atr2_mean vs Slug, Sign Corrected



Right In: 4192.509+/-942.312 χ^2/NDF: 9.2/16

Left Out: 1188.666+/-556.242 χ^2/NDF:31.1/24

Right Out: 1824.020+/-863.835 χ^2/NDF: 18.0/20

Left In: 3147.222+/-569.221 χ^2/NDF:12.7/22

Left: 2145.360+/-397.832 χ^2/NDF: 49.9/47

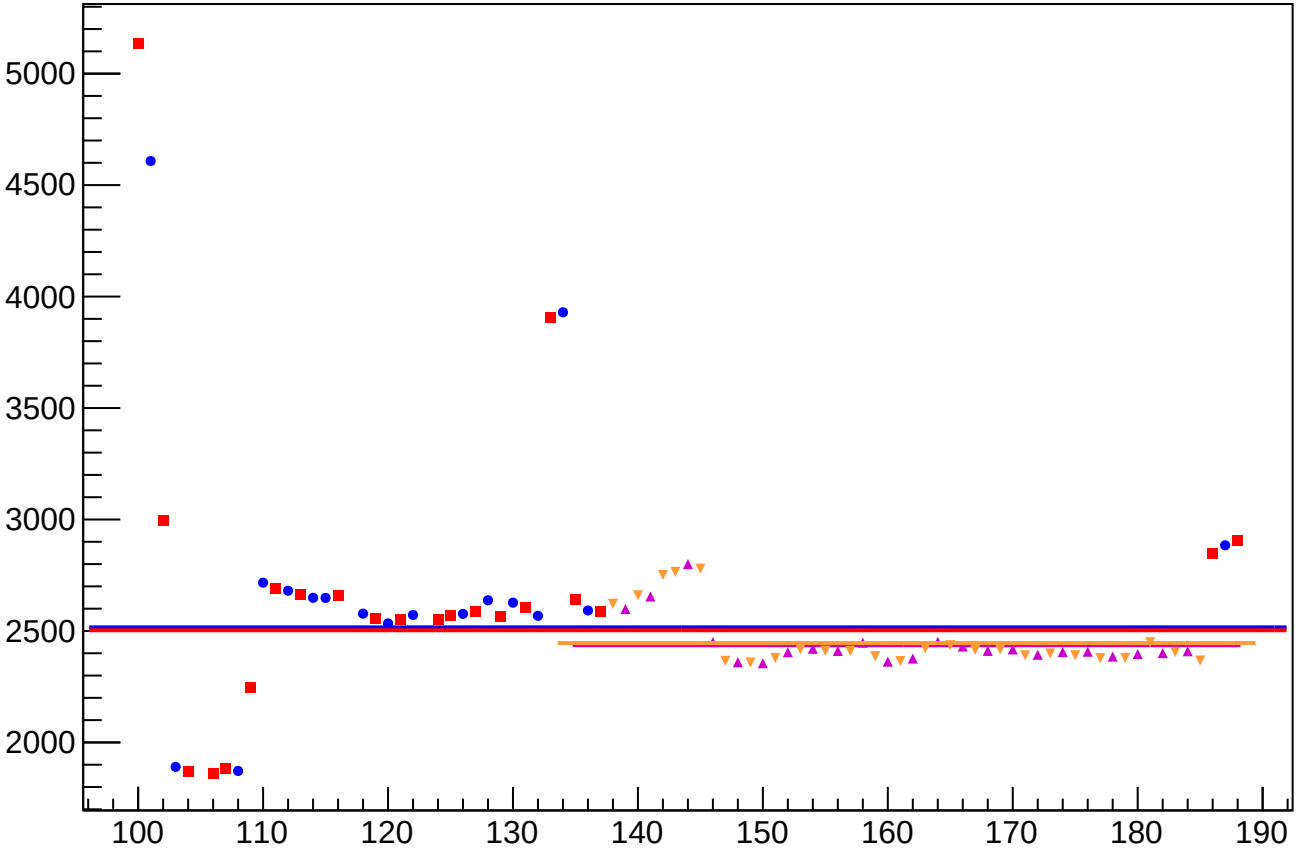
Right: 2905.548+/-636.763 χ^2/NDF: 30.7/37

In: 3426.675+/-487.227 χ^2/NDF:22.8/39

Out: 1374.891+/-467.672 χ^2/NDF:49.5/45

All: 2358.784+/-337.395 χ^2/NDF: 81.6/85

eigen_cor_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2516.046+/-0.666 χ^2/NDF: 617875.2/16

Left Out: 2445.826+/-0.393 χ^2/NDF:90014.8/24

Right Out: 2503.163+/-0.611 χ^2/NDF: 492091.3/20

Left In: 2435.950+/-0.403 χ^2/NDF:59189.9/22

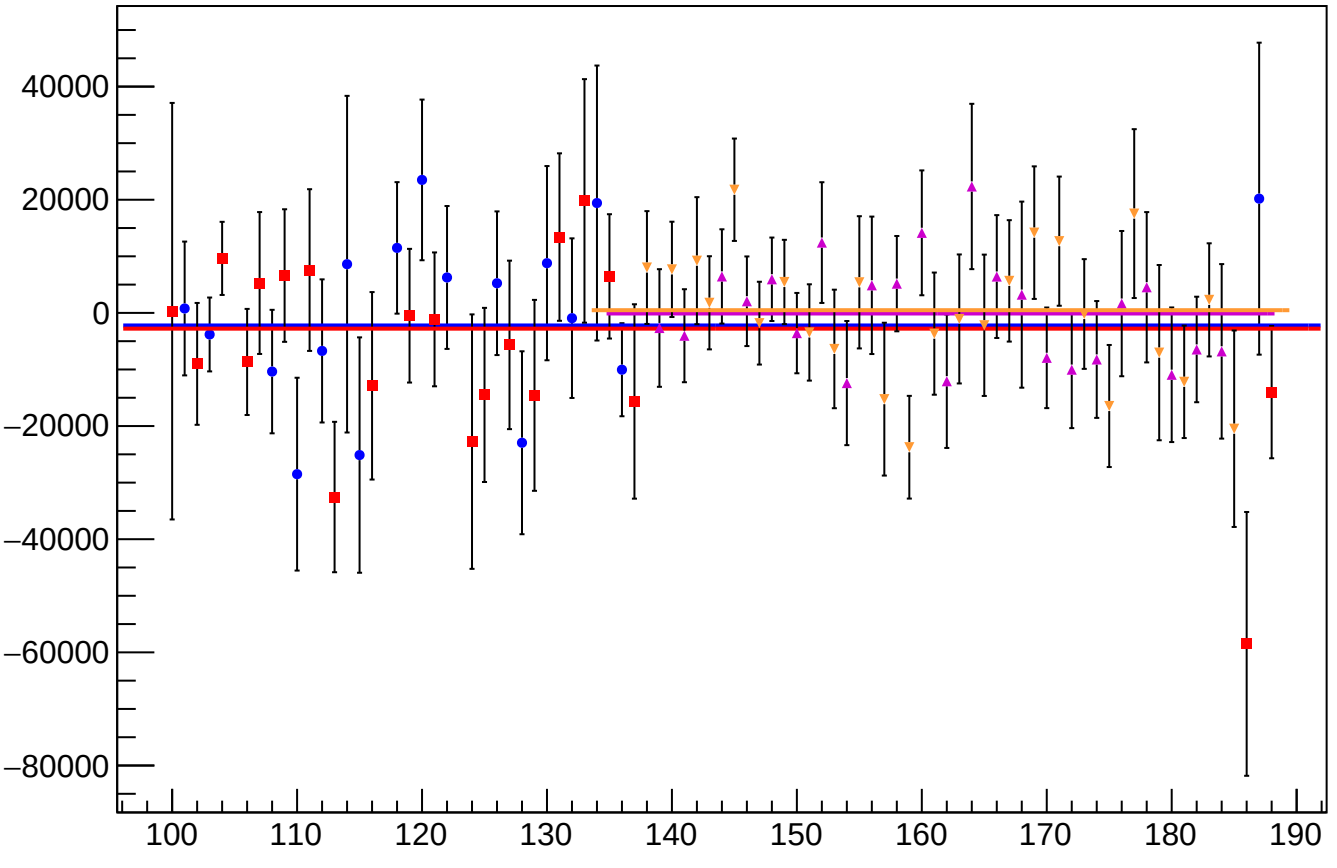
Left: 2441.002+/-0.281 χ^2/NDF: 149512.6/47

Right: 2509.045+/-0.450 χ^2/NDF: 1110169.7/37

In: 2457.363+/-0.345 χ^2/NDF:687651.8/39

Out: 2462.631+/-0.331 χ^2/NDF:588334.8/45

All: 2460.105+/-0.239 χ^2/NDF: 1276108.2/85



Right In: -2221.476+/-3056.708 χ^2/NDF: 14.4/16

Left Out: 477.198+/-2035.967 χ^2/NDF:27.4/24

Right Out: -2785.304+/-2788.555 χ^2/NDF: 23.5/20

Left In: -105.025+/-2090.897 χ^2/NDF:14.5/22

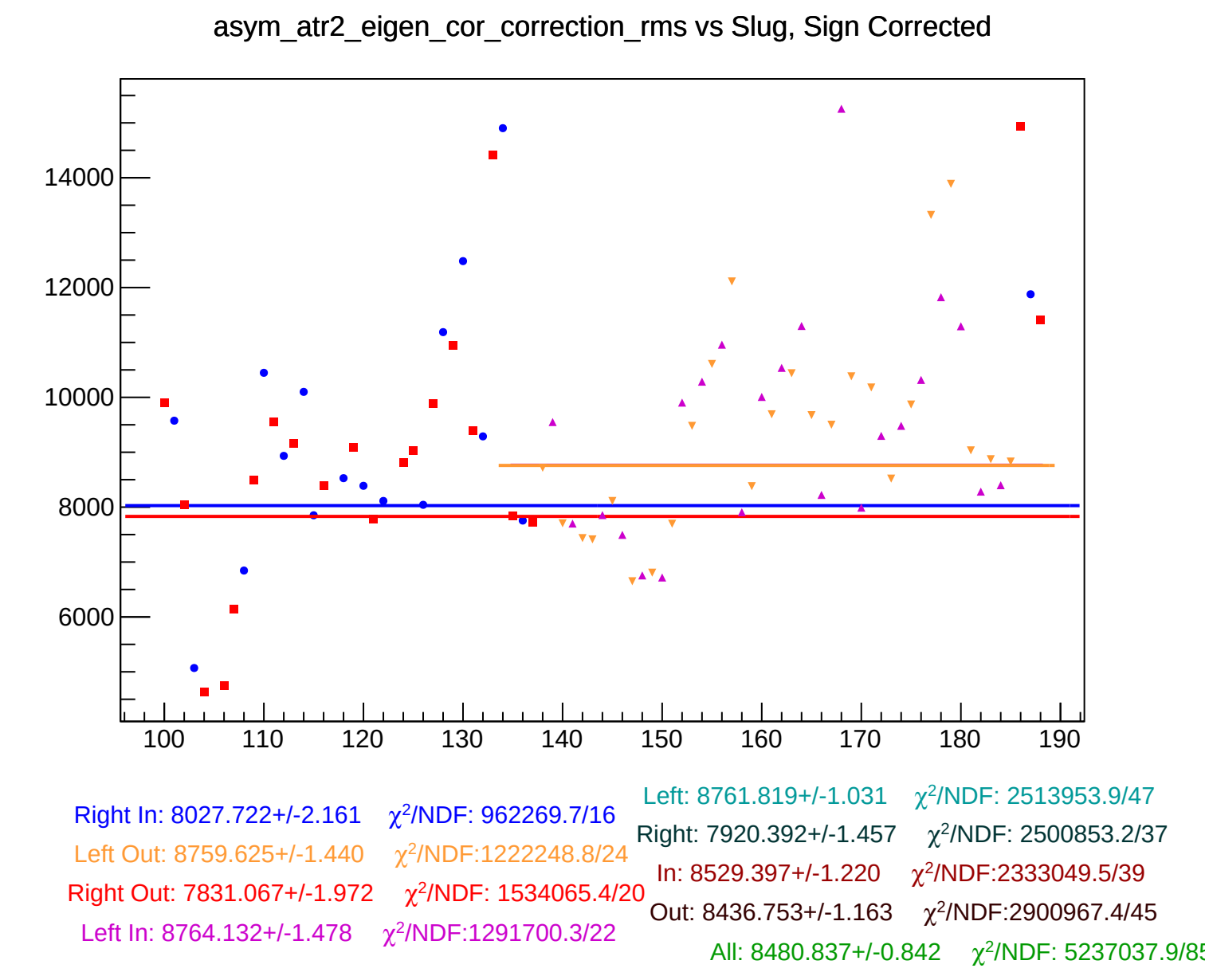
Left: 193.835+/-1458.679 χ^2/NDF: 41.9/47

Right: -2529.202+/-2060.096 χ^2/NDF: 38.0/37

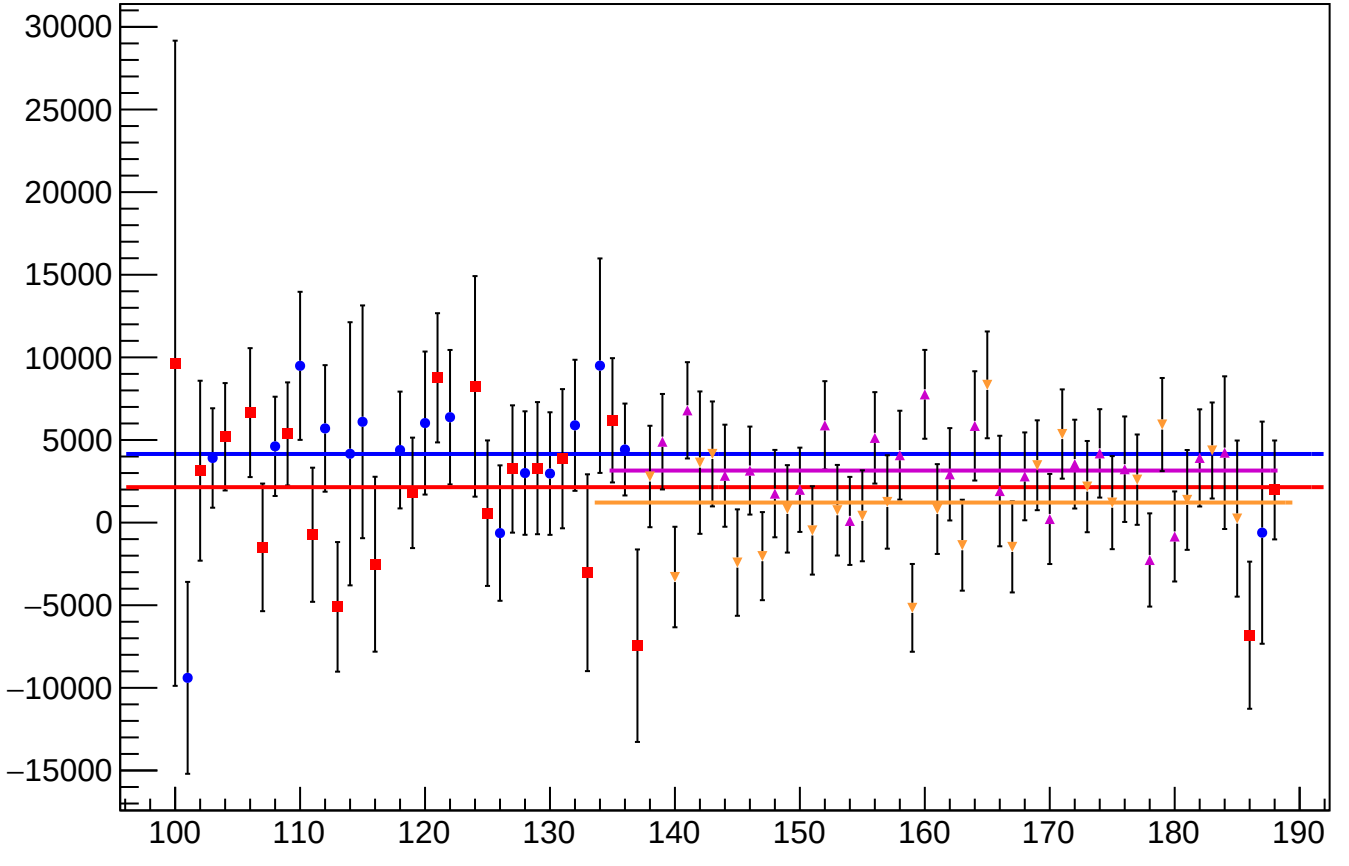
In: -779.658+/-1725.773 χ^2/NDF:29.2/39

Out: -657.218+/-1644.333 χ^2/NDF:51.8/45

All: -715.481+/-1190.469 χ^2/NDF: 81.1/85


asym_atr2_eigen_cor_correction_rms vs Slug, Sign Corrected
14000
12000
10000
8000
6000
100
110
120
130
140
150
160
170
180
190
Right In: 8027.722+/-2.161 χ²/NDF: 962269.7/16
Left Out: 8759.625+/-1.440 χ²/NDF:1222248.8/24
Right Out: 7831.067+/-1.972 χ²/NDF: 1534065.4/20
Left In: 8764.132+/-1.478 χ²/NDF:1291700.3/22
Left: 8761.819+/-1.031 χ²/NDF: 2513953.9/47
Right: 7920.392+/-1.457 χ²/NDF: 2500853.2/37
In: 8529.397+/-1.220 χ²/NDF:2333049.5/39
Out: 8436.753+/-1.163 χ²/NDF:2900967.4/45
All: 8480.837+/-0.842 χ²/NDF: 5237037.9/85

dit_asym_atr2_mean vs Slug, Sign Corrected



Right In: 4153.552+/-979.960 χ^2/NDF: 10.6/16

Left Out: 1213.875+/-579.693 χ^2/NDF:26.8/24

Right Out: 2145.299+/-900.338 χ^2/NDF: 21.9/20

Left In: 3150.265+/-592.116 χ^2/NDF:16.5/22

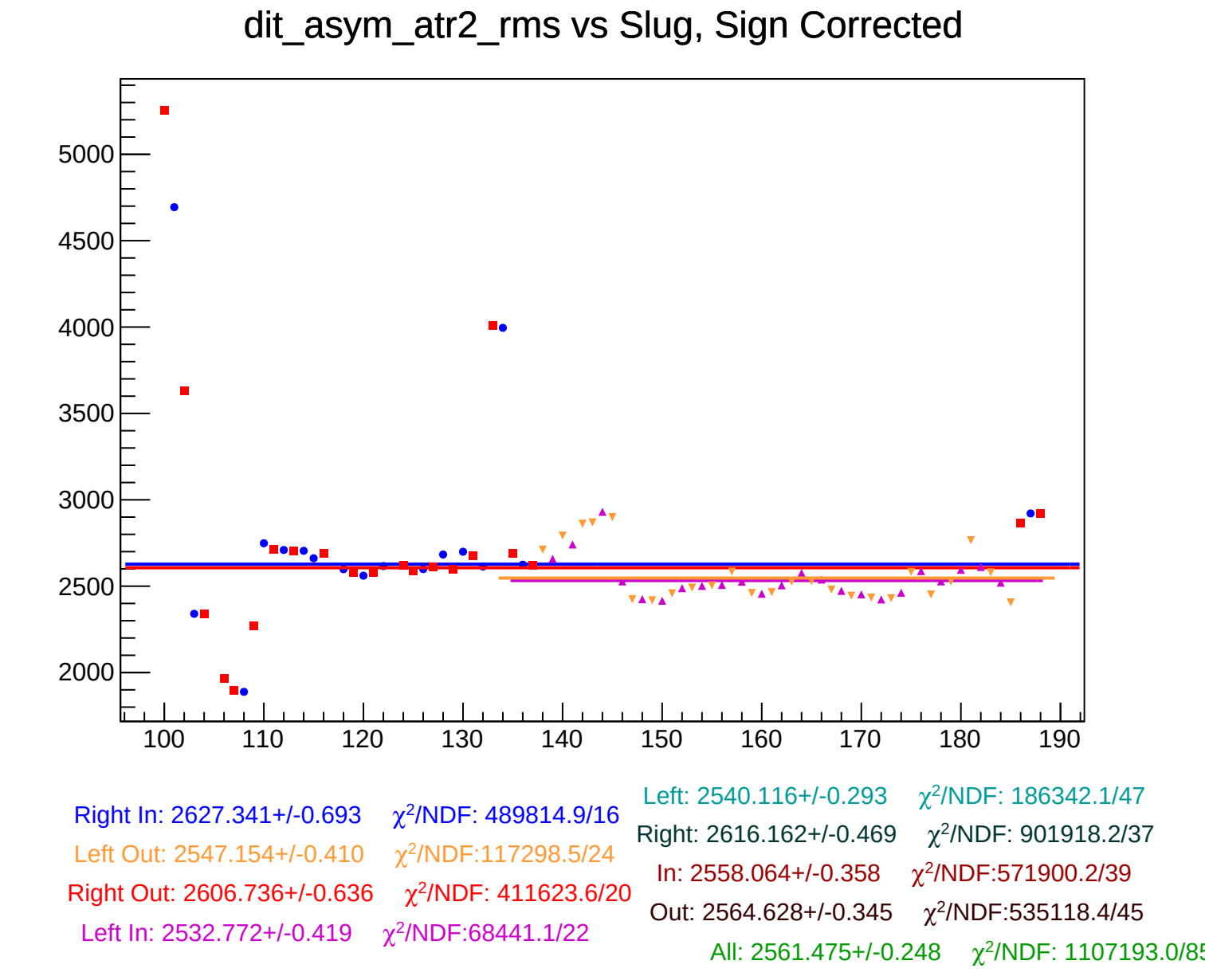
Left: 2161.543+/-414.227 χ^2/NDF: 48.7/47

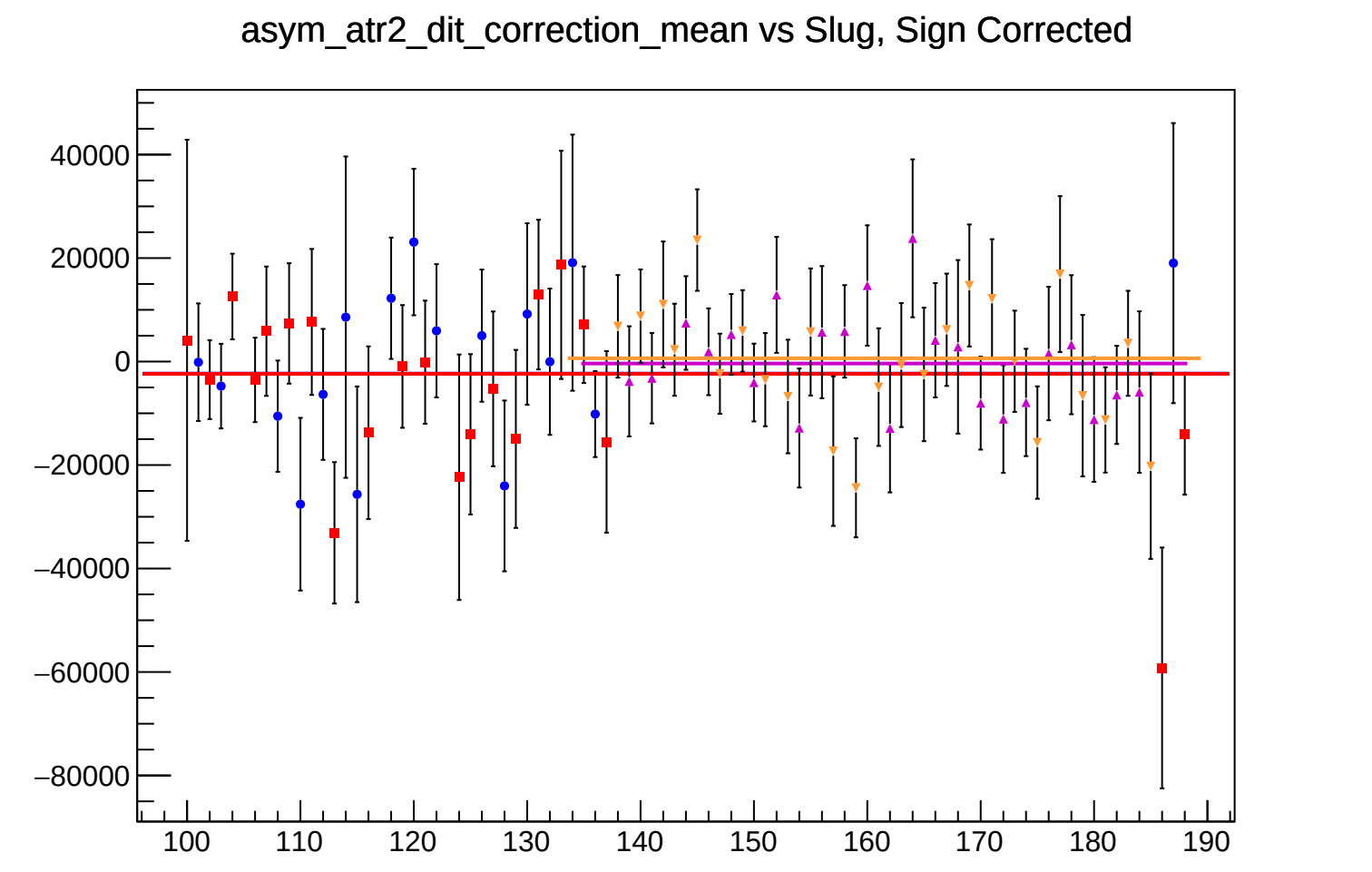
Right: 3064.538+/-663.000 χ^2/NDF: 34.7/37

In: 3418.591+/-506.789 χ^2/NDF:27.8/39

Out: 1486.843+/-487.403 χ^2/NDF:49.5/45

All: 2415.064+/-351.299 χ^2/NDF: 84.8/85


dit_asym_atr2_rms vs Slug, Sign Corrected
5000
4500
4000
3500
3000
2500
2000
100
110
120
130
140
150
160
170
180
190
Right In: 2627.341+/-0.693 χ²/NDF: 489814.9/16
Left Out: 2547.154+/-0.410 χ²/NDF:117298.5/24
Right Out: 2606.736+/-0.636 χ²/NDF: 411623.6/20
Left In: 2532.772+/-0.419 χ²/NDF:68441.1/22
Left: 2540.116+/-0.293 χ²/NDF: 186342.1/47
Right: 2616.162+/-0.469 χ²/NDF: 901918.2/37
In: 2558.064+/-0.358 χ²/NDF:571900.2/39
Out: 2564.628+/-0.345 χ²/NDF:535118.4/45
All: 2561.475+/-0.248 χ²/NDF: 1107193.0/85



Right In: -2331.224+/-3189.132 χ^2/NDF: 14.4/16

Left Out: 631.360+/-2123.101 χ^2/NDF:26.7/24

Right Out: -2359.435+/-2771.212 χ^2/NDF: 22.6/20

Left In: -377.922+/-2176.347 χ^2/NDF:14.2/22

Left: 139.216+/-1519.735 χ^2/NDF: 41.0/47

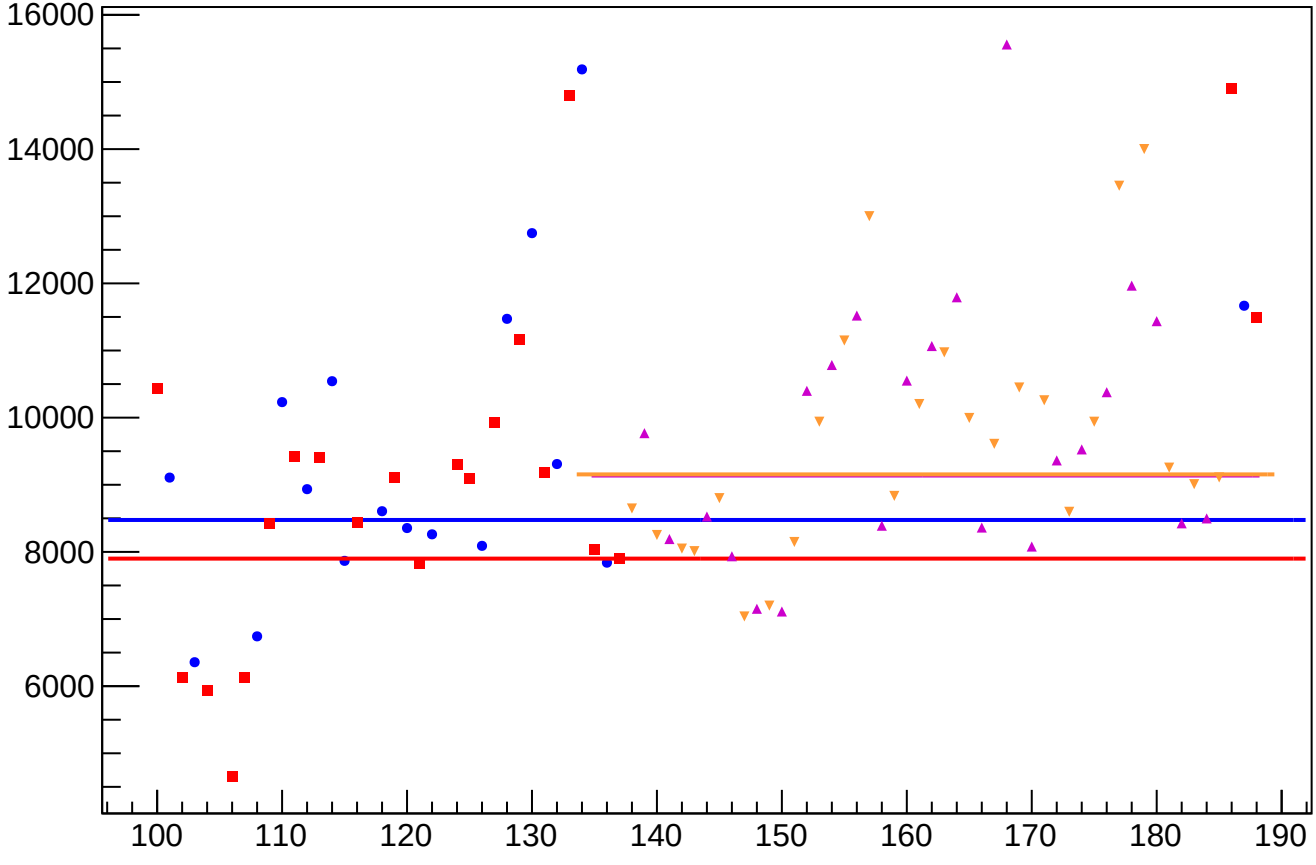
Right: -2347.298+/-2091.804 χ^2/NDF: 37.1/37

In: -998.554+/-1797.648 χ^2/NDF:28.9/39

Out: -474.818+/-1685.345 χ^2/NDF:50.0/45

All: -719.816+/-1229.505 χ^2/NDF: 79.0/85

asym_atr2_dit_correction_rms vs Slug, Sign Corrected



Right In: 8475.703+/-2.255 χ^2/NDF: 608495.2/16

Left Out: 9154.688+/-1.501 χ^2/NDF:1072073.9/24

Right Out: 7900.017+/-1.960 χ^2/NDF: 1366957.4/20

Left In: 9137.576+/-1.539 χ^2/NDF:1172792.2/22

Left: 9146.344+/-1.075 χ^2/NDF: 2244929.5/47

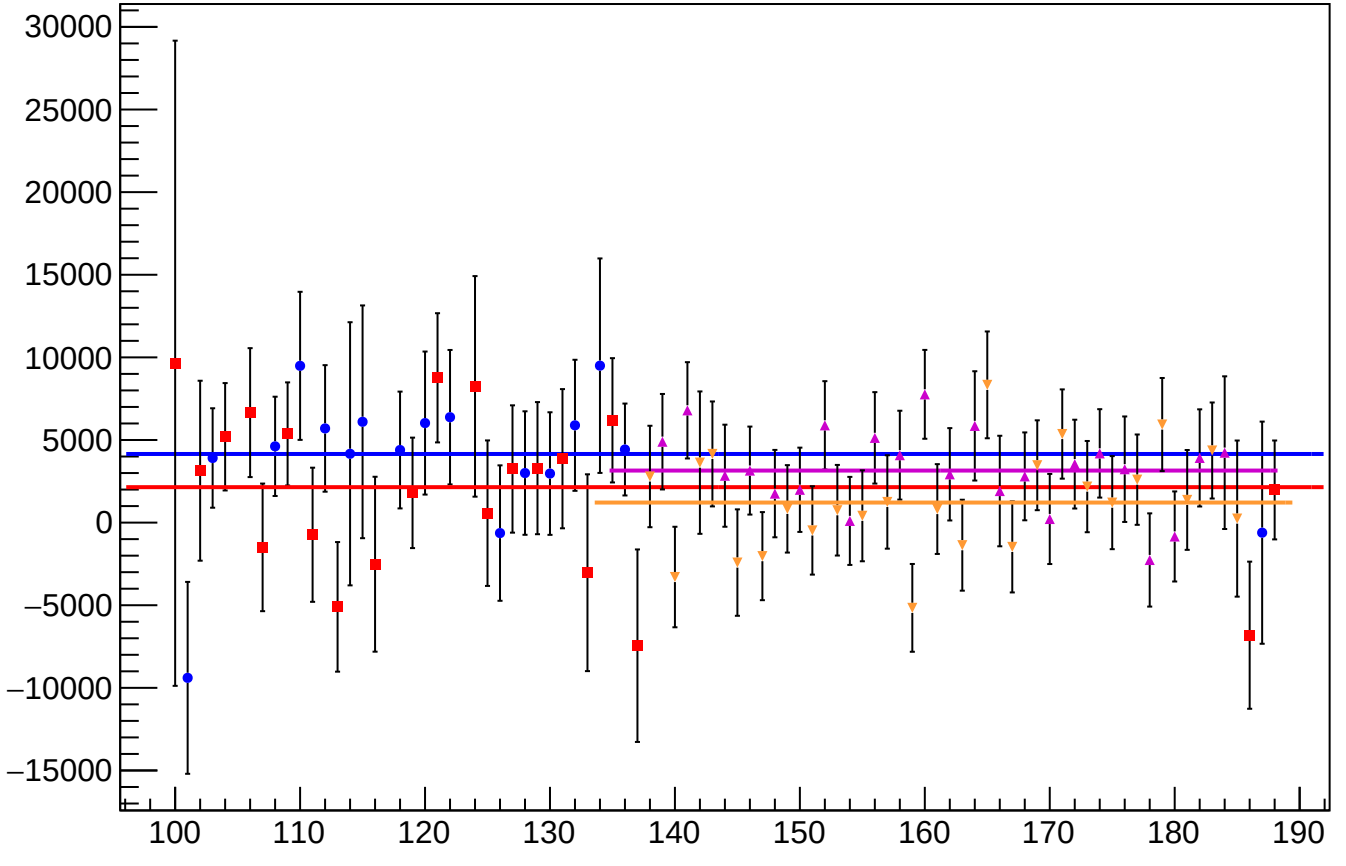
Right: 8147.693+/-1.479 χ^2/NDF: 2012585.4/37

In: 8927.276+/-1.271 χ^2/NDF:1840061.6/39

Out: 8690.635+/-1.192 χ^2/NDF:2697368.3/45

All: 8801.333+/-0.869 χ^2/NDF: 4555875.2/85

eigen_dit_asym_atr2_mean vs Slug, Sign Corrected



Right In: 4153.561+/-979.960 χ^2/NDF: 10.6/16

Left Out: 1213.864+/-579.693 χ^2/NDF:26.8/24

Right Out: 2145.309+/-900.338 χ^2/NDF: 21.9/20

Left In: 3150.264+/-592.117 χ^2/NDF:16.5/22

Left: 2161.537+/-414.228 χ^2/NDF: 48.7/47

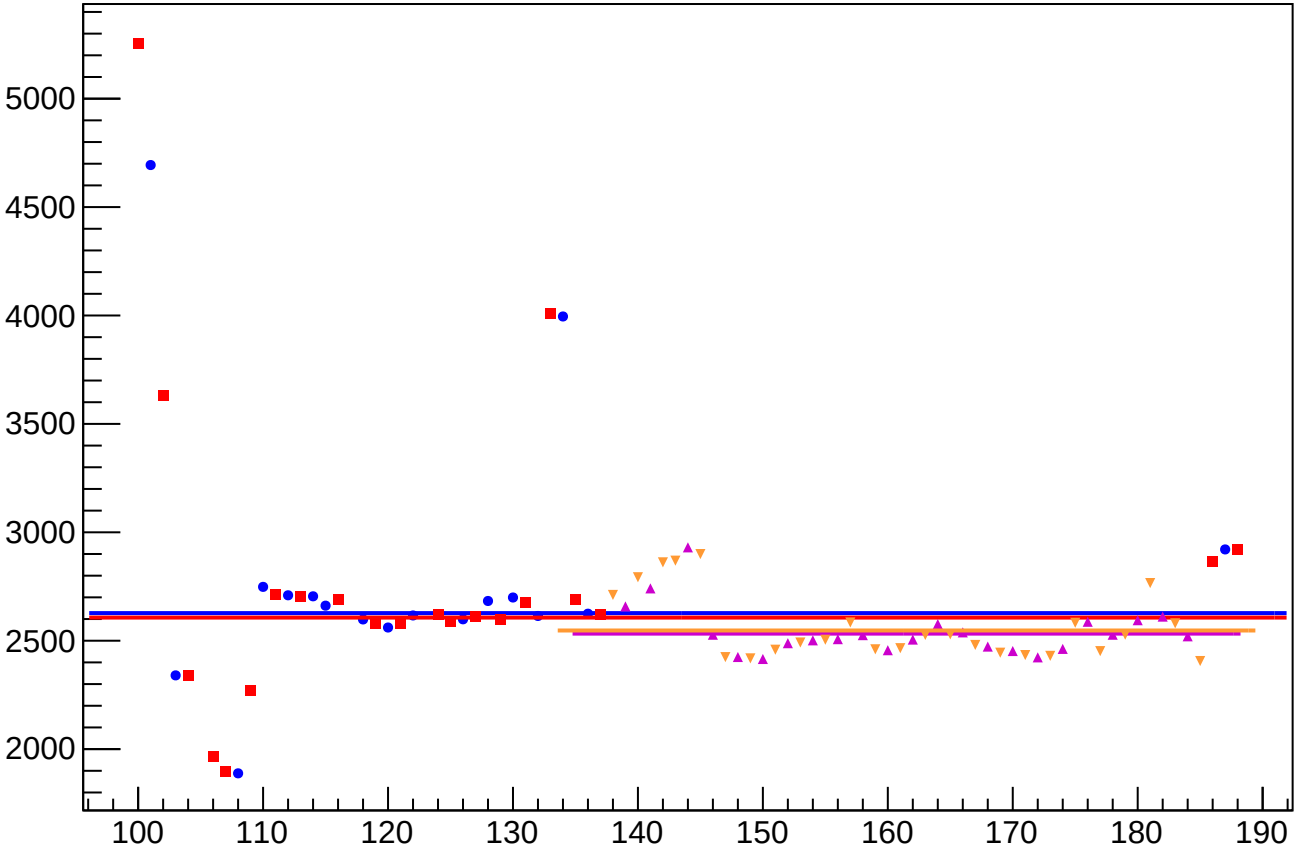
Right: 3064.548+/-663.000 χ^2/NDF: 34.7/37

In: 3418.593+/-506.789 χ^2/NDF:27.8/39

Out: 1486.838+/-487.403 χ^2/NDF:49.5/45

All: 2415.062+/-351.299 χ^2/NDF: 84.8/85

eigen_dit_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2627.340+/-0.693 χ^2/NDF: 489815.1/16

Left Out: 2547.156+/-0.410 χ^2/NDF:117298.5/24

Right Out: 2606.736+/-0.636 χ^2/NDF: 411623.1/20

Left In: 2532.774+/-0.419 χ^2/NDF:68440.8/22

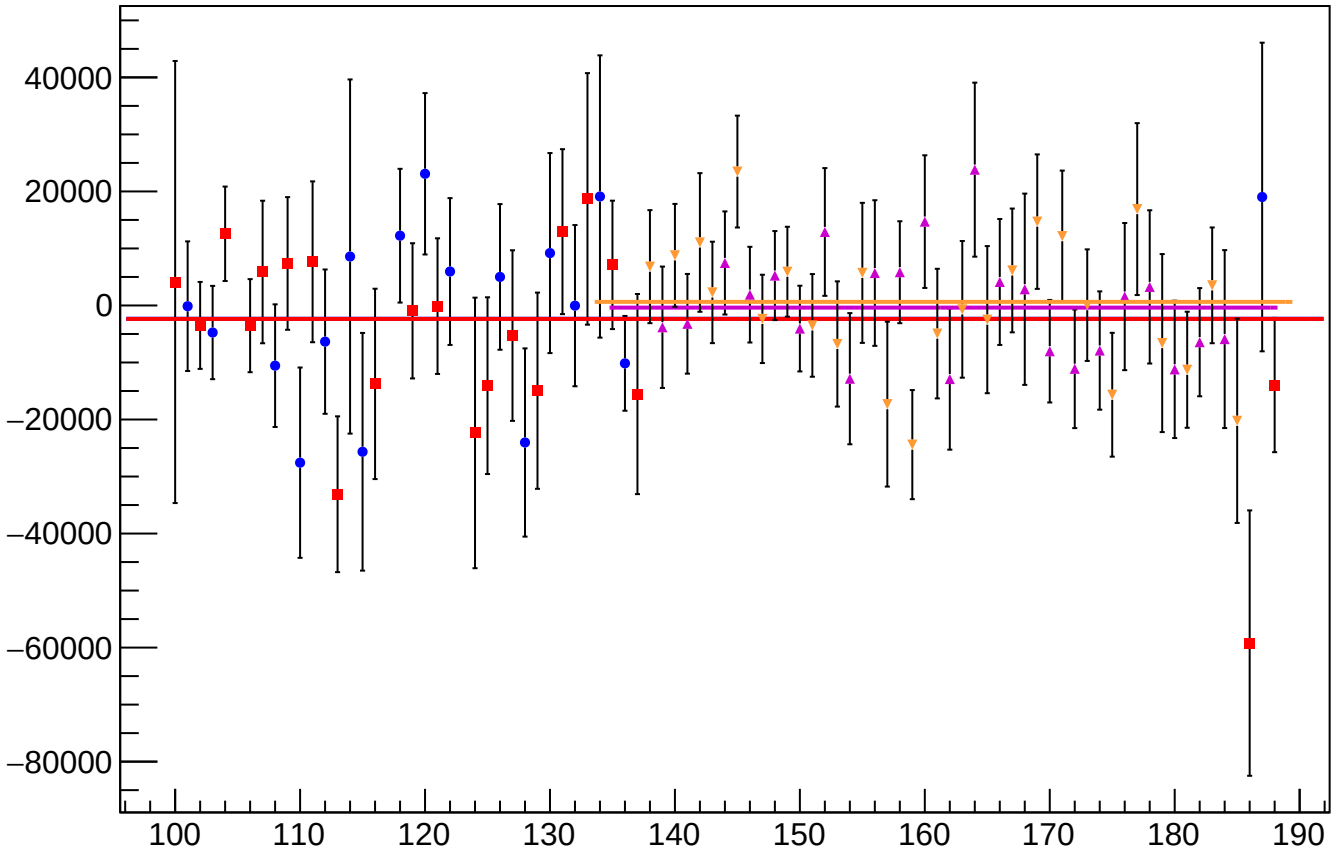
Left: 2540.117+/-0.293 χ^2/NDF: 186341.7/47

Right: 2616.162+/-0.469 χ^2/NDF: 901917.9/37

In: 2558.065+/-0.358 χ^2/NDF:571899.4/39

Out: 2564.629+/-0.345 χ^2/NDF:535117.5/45

All: 2561.476+/-0.248 χ^2/NDF: 1107191.2/85



Right In: -2331.192+/-3189.128 χ^2/NDF: 14.4/16

Left Out: 631.356+/-2123.104 χ^2/NDF:26.7/24

Right Out: -2359.427+/-2771.208 χ^2/NDF: 22.6/20

Left In: -377.927+/-2176.350 χ^2/NDF:14.2/22

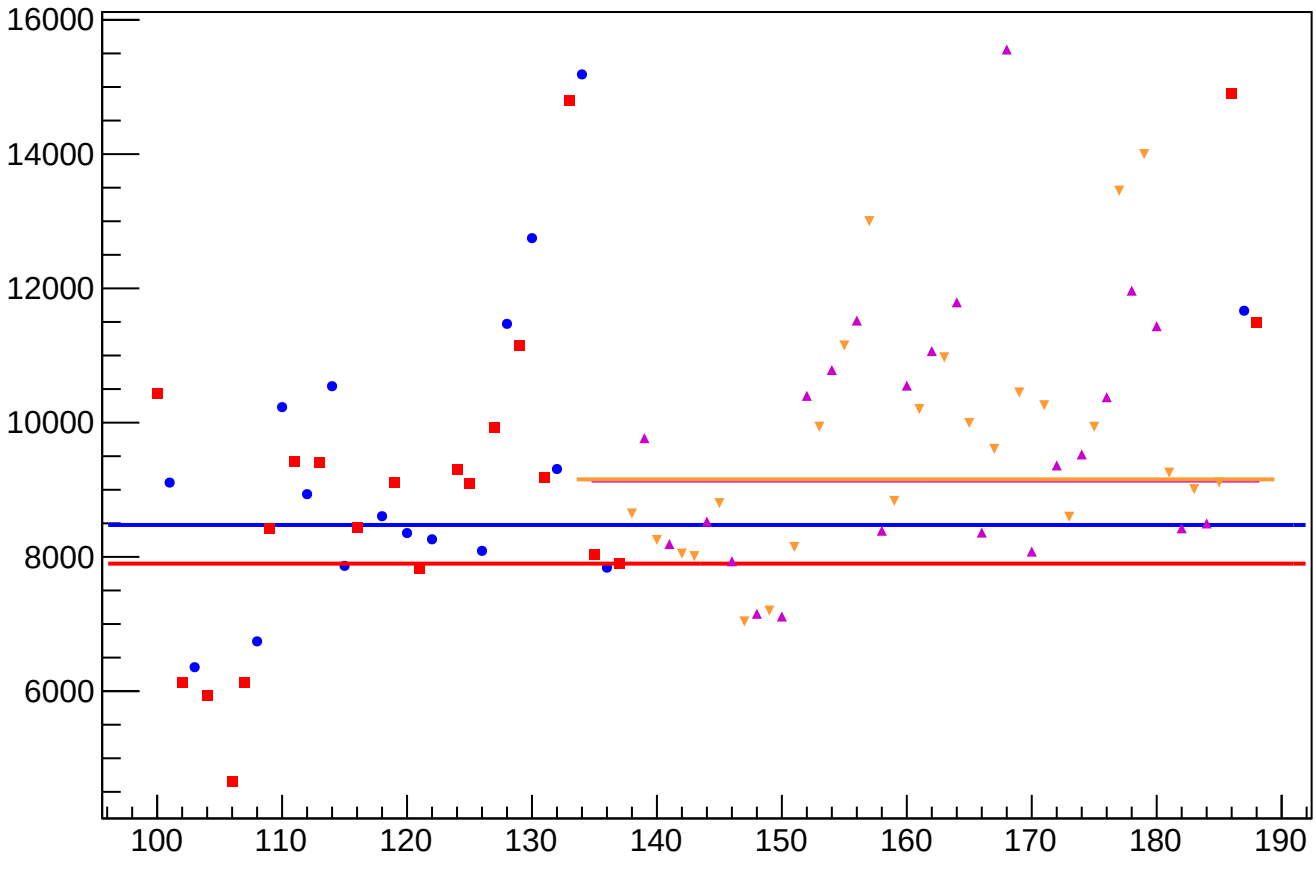
Left: 139.212+/-1519.737 χ^2/NDF: 41.0/47

Right: -2347.279+/-2091.801 χ^2/NDF: 37.1/37

In: -998.549+/-1797.650 χ^2/NDF:28.9/39

Out: -474.822+/-1685.346 χ^2/NDF:50.0/45

All: -719.816+/-1229.506 χ^2/NDF: 79.0/85



Right In: 8475.694+/-2.255 χ^2/NDF: 608489.9/16

Left Out: 9154.703+/-1.501 χ^2/NDF:1072075.9/24

Right Out: 7900.006+/-1.960 χ^2/NDF: 1366956.5/20

Left In: 9137.590+/-1.539 χ^2/NDF:1172796.0/22

Left: 9146.358+/-1.075 χ^2/NDF: 2244935.3/47

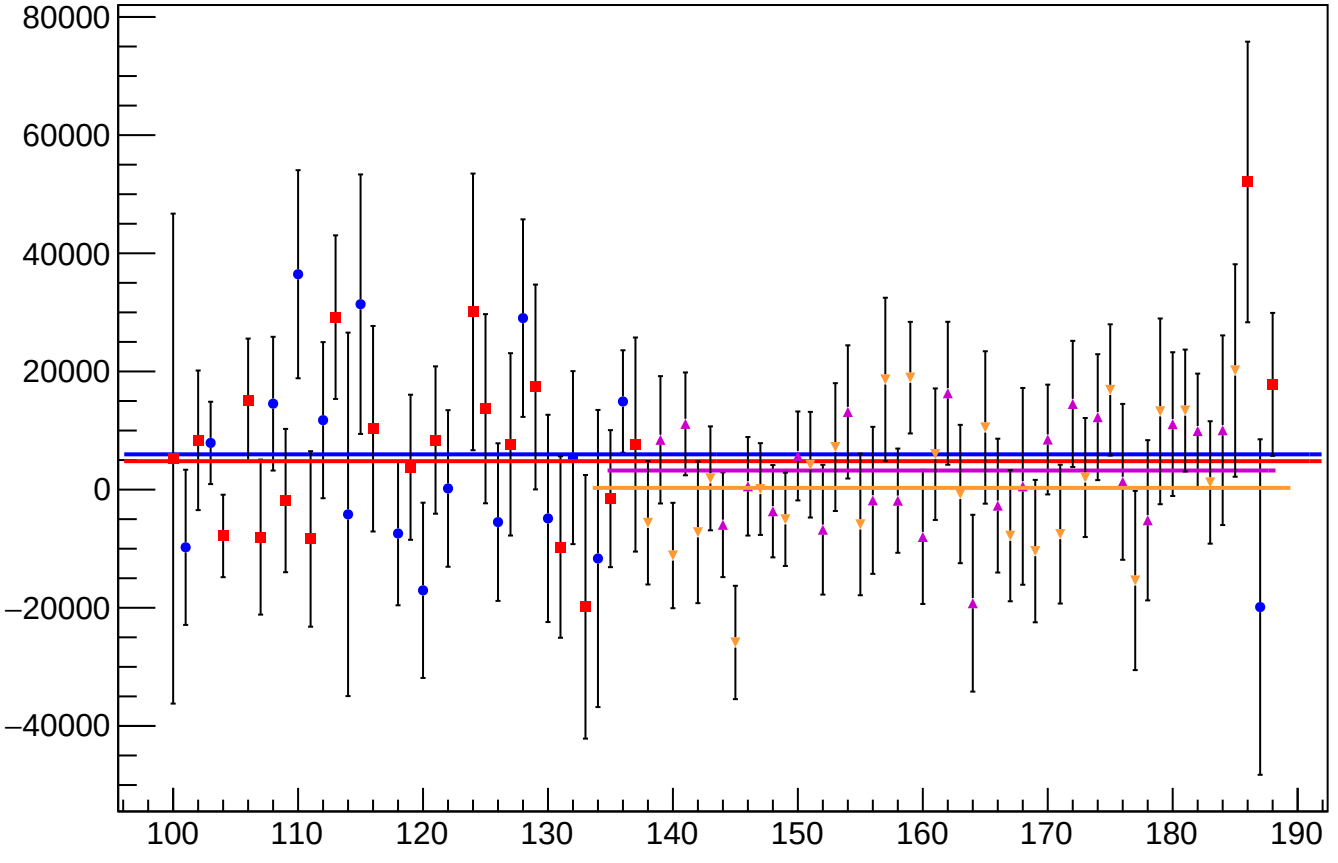
Right: 8147.682+/-1.479 χ^2/NDF: 2012579.6/37

In: 8927.282+/-1.271 χ^2/NDF:1840064.5/39

Out: 8690.638+/-1.192 χ^2/NDF:2697380.1/45

All: 8801.338+/-0.869 χ^2/NDF: 4555890.3/85

asym_atr2_mean vs Slug, Sign Corrected



Right In: 5970.535+/-3218.817 χ^2/NDF: 15.9/16

Left Out: 295.038+/-2125.383 χ^2/NDF:26.3/24

Right Out: 4815.423+/-2951.345 χ^2/NDF: 19.3/20

Left In: 3233.667+/-2179.845 χ^2/NDF:13.6/22

Left: 1727.184+/-1521.763 χ^2/NDF: 40.8/47

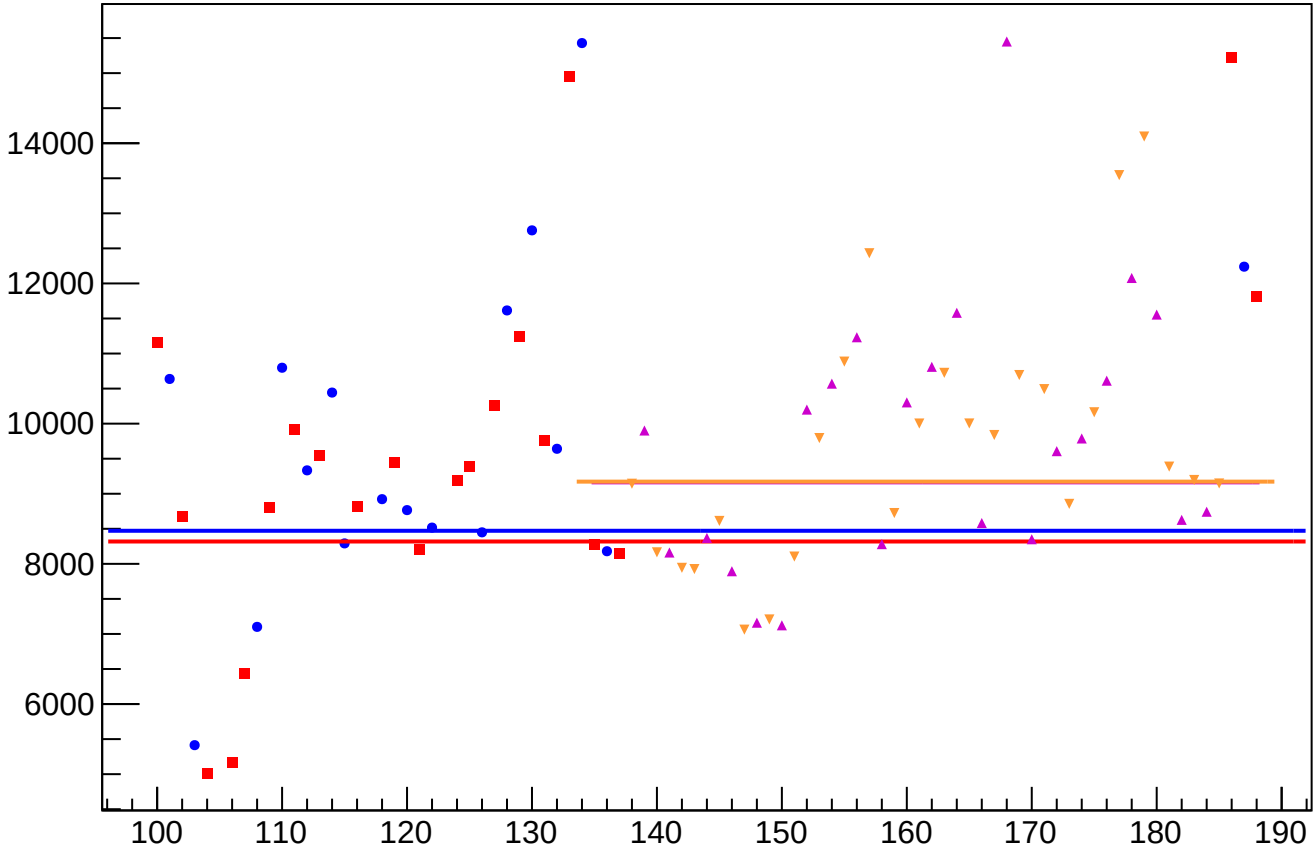
Right: 5342.999+/-2175.339 χ^2/NDF: 35.3/37

In: 4094.202+/-1804.902 χ^2/NDF:30.0/39

Out: 1838.749+/-1724.706 χ^2/NDF:47.2/45

All: 2915.256+/-1246.939 χ^2/NDF: 78.0/85

asym_atr2_rms vs Slug, Sign Corrected



Right In: 8471.765+/-2.276 χ^2/NDF: 917502.1/16

Left Out: 9172.826+/-1.503 χ^2/NDF:1056946.9/24

Right Out: 8318.832+/-2.087 χ^2/NDF: 1375950.6/20

Left In: 9162.276+/-1.541 χ^2/NDF:1127533.4/22

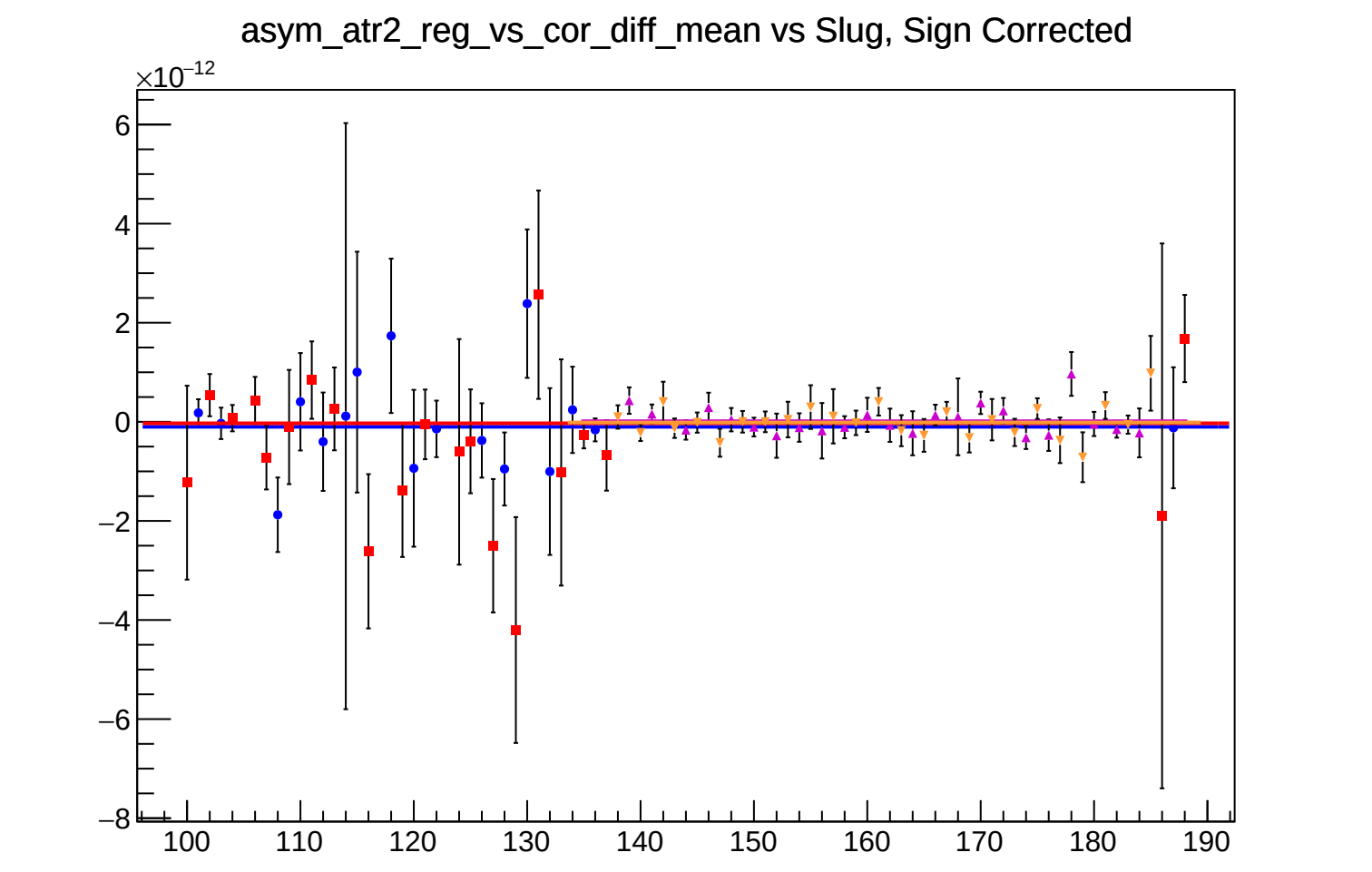
Left: 9167.685+/-1.076 χ^2/NDF: 2184504.3/47

Right: 8388.680+/-1.538 χ^2/NDF: 2295905.4/37

In: 8945.163+/-1.276 χ^2/NDF:2108136.4/39

Out: 8881.181+/-1.220 χ^2/NDF:2543169.4/45

All: 8911.719+/-0.882 χ^2/NDF: 4652619.5/85



Right In: -0.000+/-0.000 χ^2/NDF: 13.6/16

Left Out: -0.000+/-0.000 χ^2/NDF:19.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 23.6/20

Left In: 0.000+/-0.000 χ^2/NDF:19.2/22

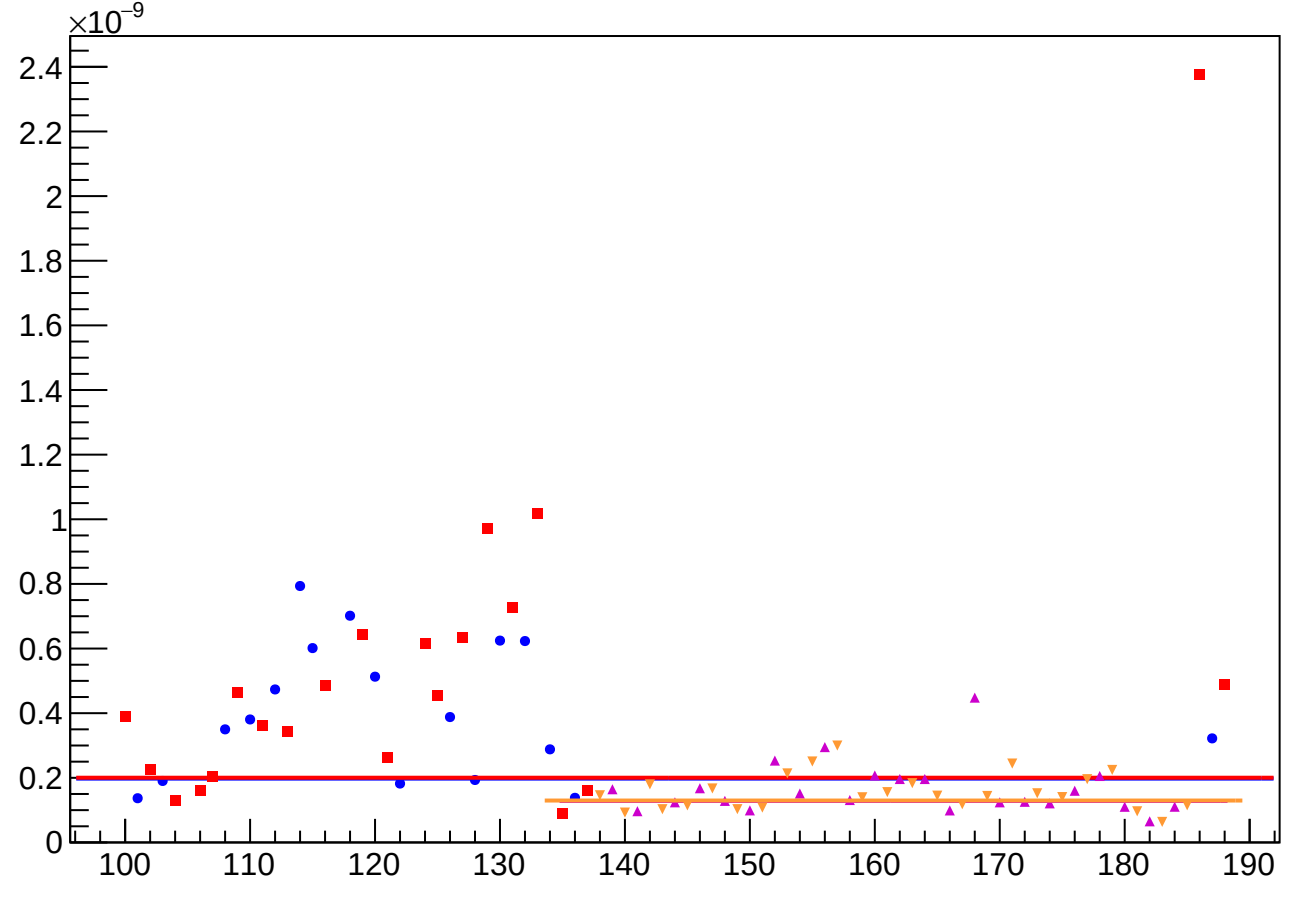
Left: -0.000+/-0.000 χ^2/NDF: 38.7/47

Right: -0.000+/-0.000 χ^2/NDF: 37.4/37

In: -0.000+/-0.000 χ^2/NDF:33.4/39

Out: -0.000+/-0.000 χ^2/NDF:43.0/45

All: -0.000+/-0.000 χ^2/NDF: 76.4/85



Right In: 0.000+/-0.000 χ^2/NDF: 1363288.3/16

Left Out: 0.000+/-0.000 χ^2/NDF:1390522.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2601374.6/20

Left In: 0.000+/-0.000 χ^2/NDF:1516080.8/22

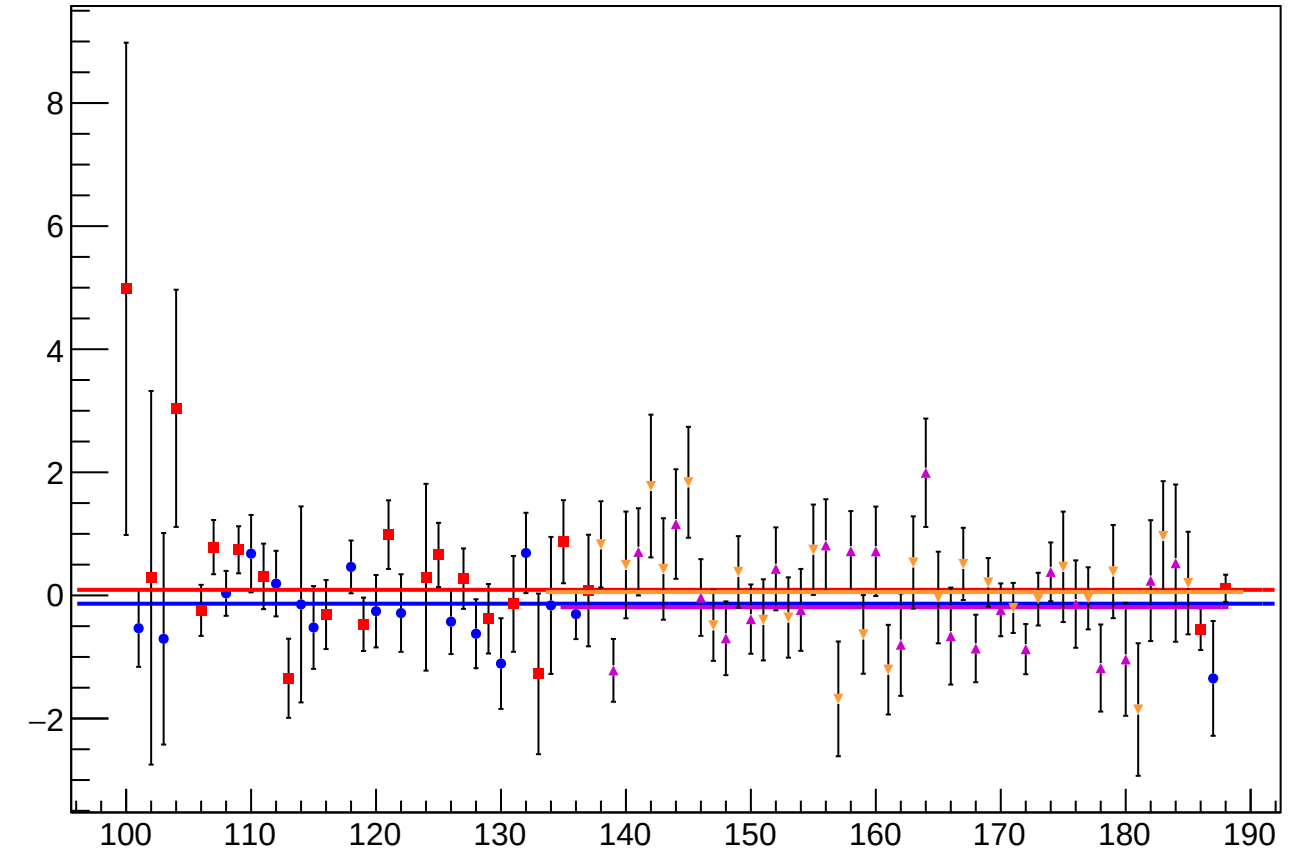
Left: 0.000+/-0.000 χ^2/NDF: 2907331.7/47

Right: 0.000+/-0.000 χ^2/NDF: 3965062.4/37

In: 0.000+/-0.000 χ^2/NDF:3341837.5/39

Out: 0.000+/-0.000 χ^2/NDF:4451539.7/45

All: 0.000+/-0.000 χ^2/NDF: 7793503.0/85



Right In: -0.135+/-0.143 χ^2/NDF: 11.4/16

Left Out: 0.054+/-0.130 χ^2/NDF:24.7/24

Right Out: 0.091+/-0.110 χ^2/NDF: 27.9/20

Left In: -0.191+/-0.133 χ^2/NDF:31.1/22

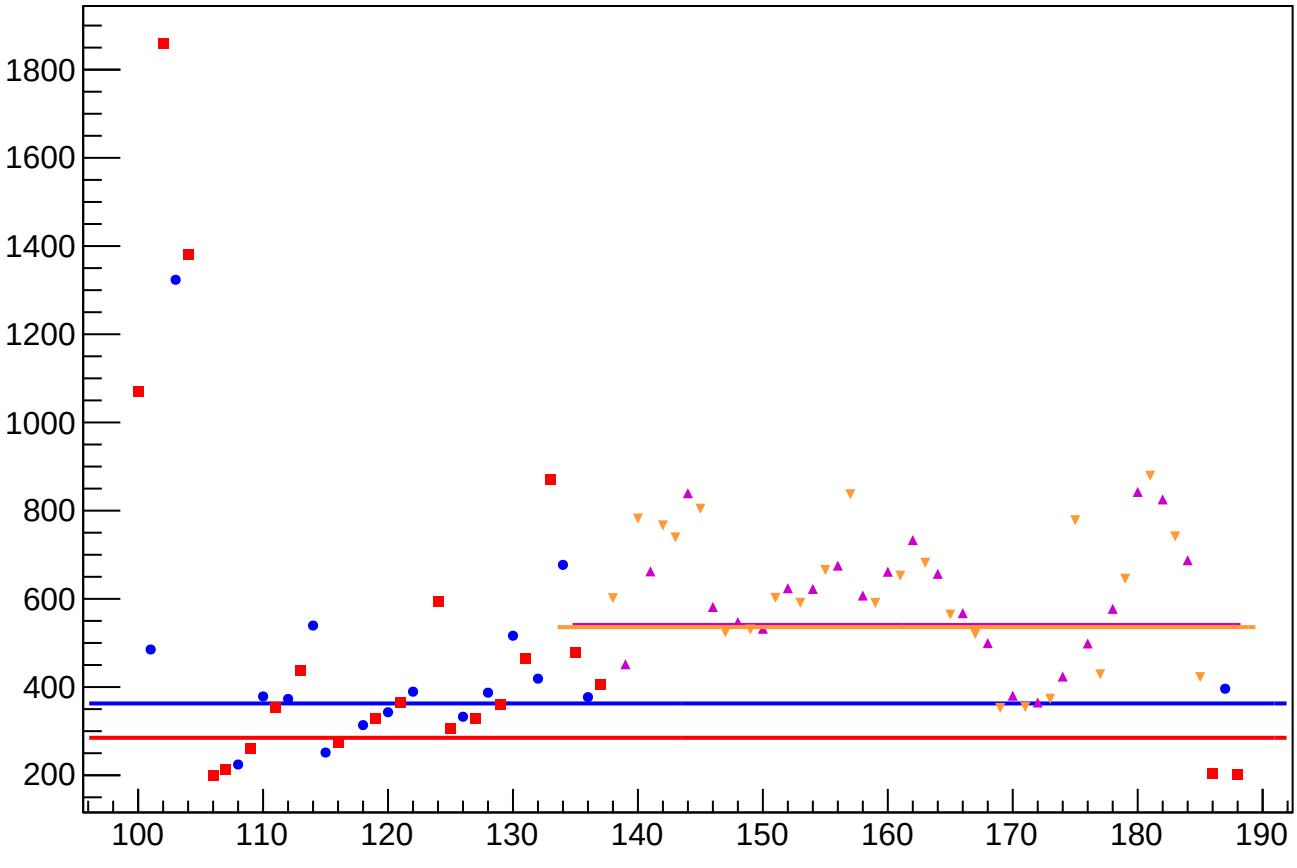
Left: -0.065+/-0.093 χ^2/NDF: 57.6/47

Right: 0.007+/-0.087 χ^2/NDF: 40.9/37

In: -0.165+/-0.097 χ^2/NDF:42.7/39

Out: 0.075+/-0.084 χ^2/NDF:52.7/45

All: -0.027+/-0.064 χ^2/NDF: 98.8/85



Right In: 362.839+/-0.101 χ^2/NDF: 1379950.0/16

Left Out: 535.943+/-0.092 χ^2/NDF:2749736.4/24

Right Out: 284.945+/-0.078 χ^2/NDF: 2853871.4/20

Left In: 540.804+/-0.094 χ^2/NDF:1904998.0/22

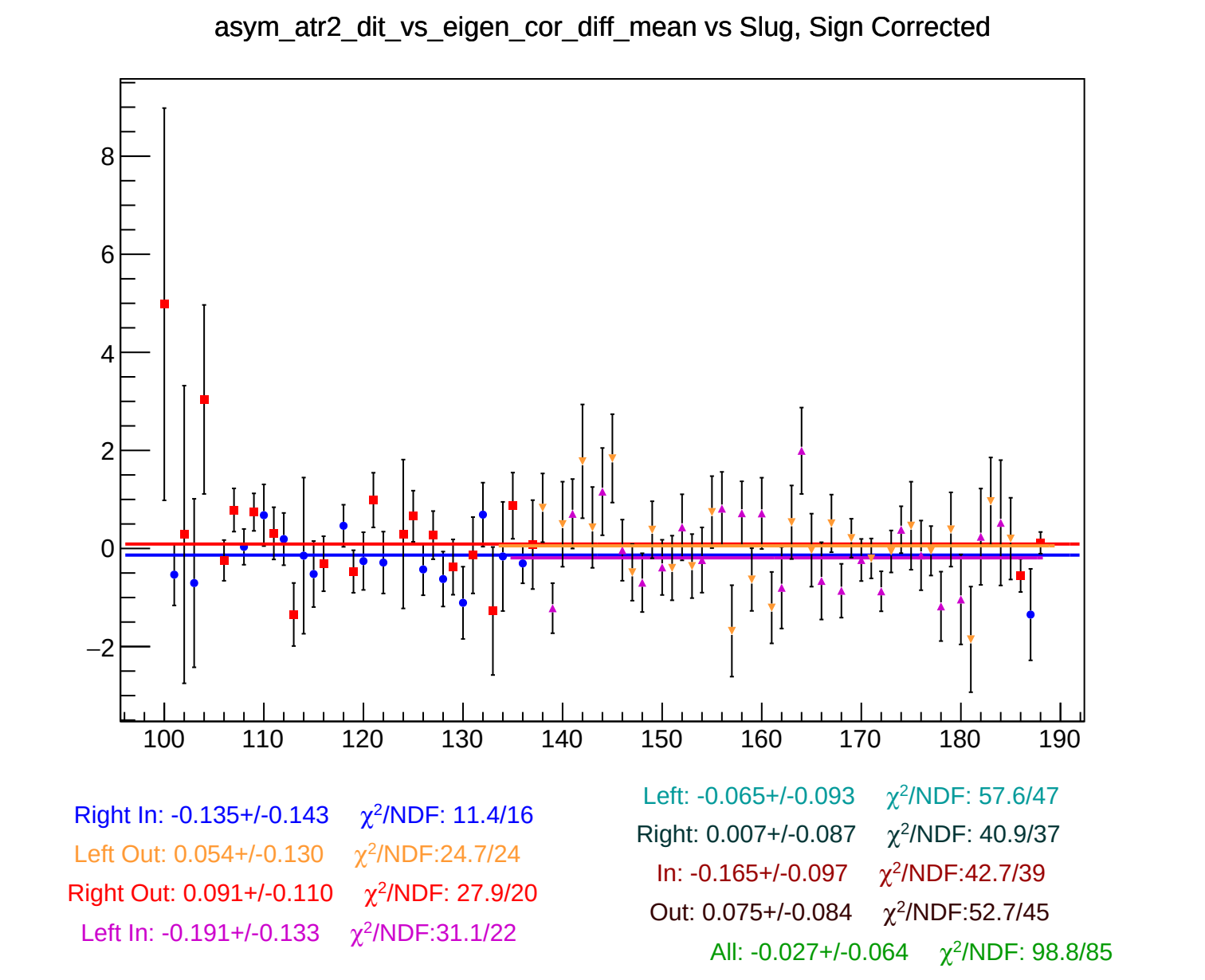
Left: 538.306+/-0.066 χ^2/NDF: 4656104.0/47

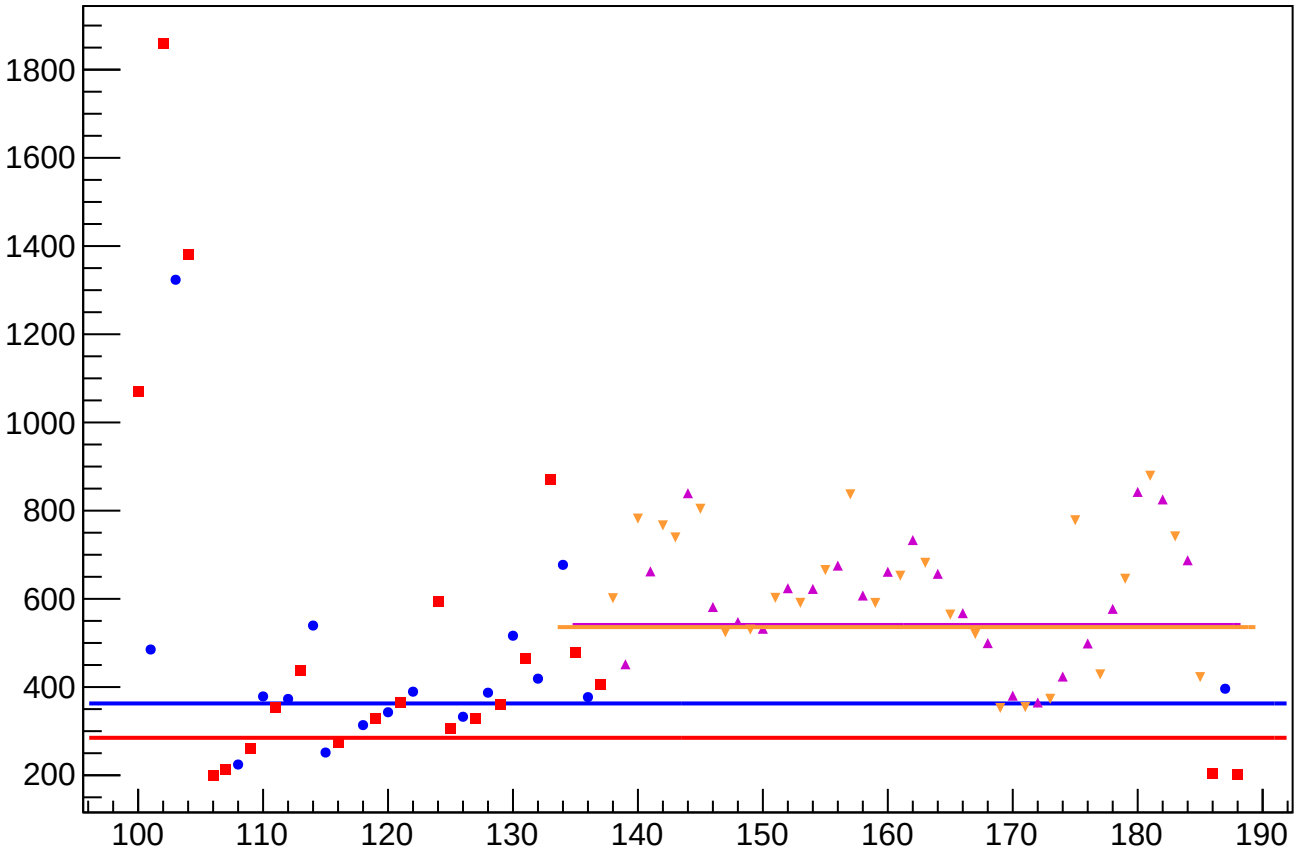
Right: 314.017+/-0.062 χ^2/NDF: 4605900.5/37

In: 458.157+/-0.069 χ^2/NDF:4944576.4/39

Out: 390.505+/-0.059 χ^2/NDF:9957073.5/45

All: 419.342+/-0.045 χ^2/NDF: 15454854.4/85


asym_atr2_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
8
6
4
2
0
−2
100
110
120
130
140
150
160
170
180
190
Right In: -0.135+/-0.143 χ²/NDF: 11.4/16
Left Out: 0.054+/-0.130 χ²/NDF:24.7/24
Right Out: 0.091+/-0.110 χ²/NDF: 27.9/20
Left In: -0.191+/-0.133 χ²/NDF:31.1/22
Left: -0.065+/-0.093 χ²/NDF: 57.6/47
Right: 0.007+/-0.087 χ²/NDF: 40.9/37
In: -0.165+/-0.097 χ²/NDF:42.7/39
Out: 0.075+/-0.084 χ²/NDF:52.7/45
All: -0.027+/-0.064 χ²/NDF: 98.8/85



Right In: 362.839+/-0.101 χ^2/NDF: 1379950.0/16

Left Out: 535.943+/-0.092 χ^2/NDF:2749736.4/24

Right Out: 284.945+/-0.078 χ^2/NDF: 2853871.4/20

Left In: 540.804+/-0.094 χ^2/NDF:1904998.0/22

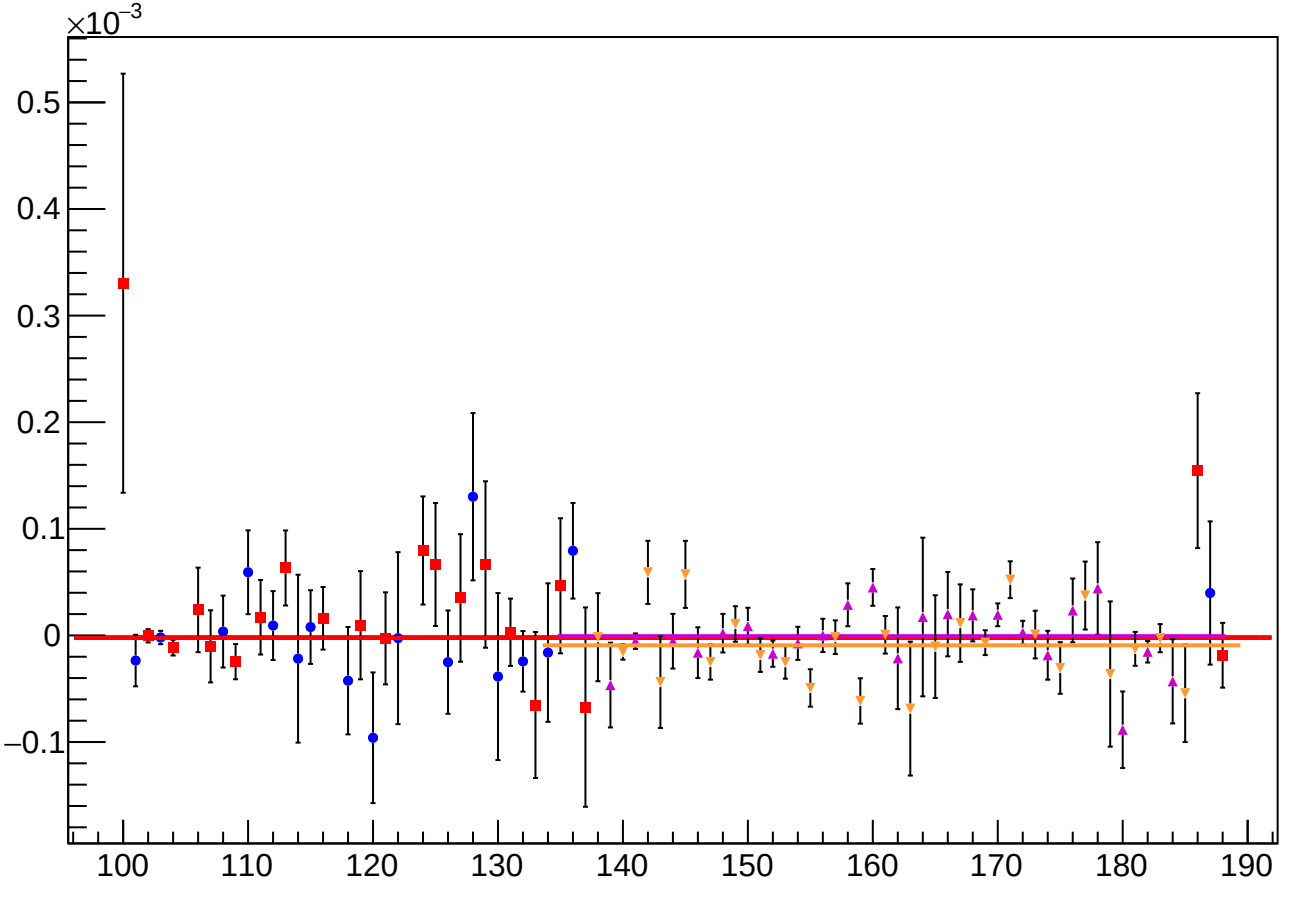
Left: 538.306+/-0.066 χ^2/NDF: 4656104.0/47

Right: 314.017+/-0.062 χ^2/NDF: 4605900.5/37

In: 458.157+/-0.069 χ^2/NDF:4944576.4/39

Out: 390.505+/-0.059 χ^2/NDF:9957073.5/45

All: 419.342+/-0.045 χ^2/NDF: 15454854.4/85



Right In: -0.000+/-0.000 χ^2/NDF: 14.1/16

Left Out: -0.000+/-0.000 χ^2/NDF:45.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 23.2/20

Left In: -0.000+/-0.000 χ^2/NDF:30.0/22

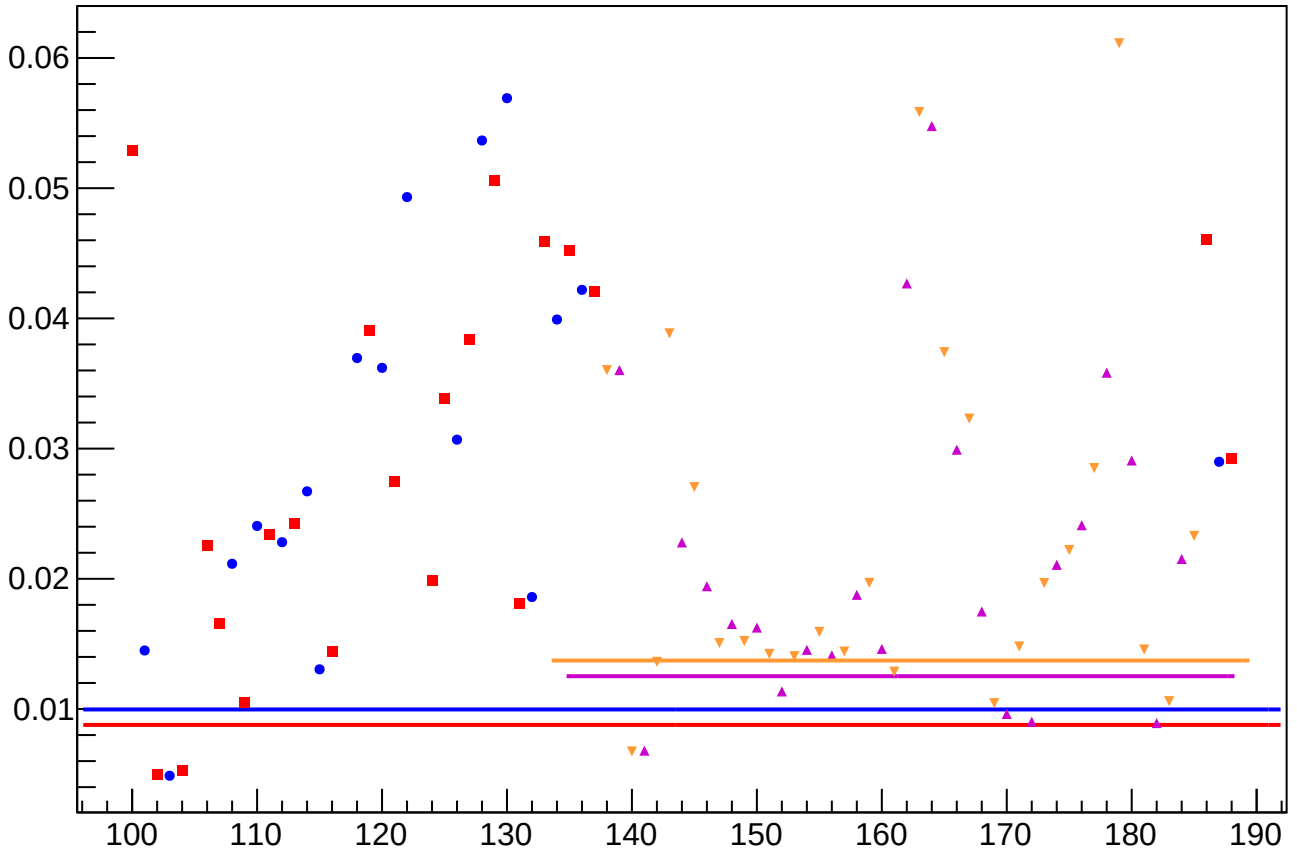
Left: -0.000+/-0.000 χ^2/NDF: 78.1/47

Right: -0.000+/-0.000 χ^2/NDF: 37.3/37

In: -0.000+/-0.000 χ^2/NDF:44.2/39

Out: -0.000+/-0.000 χ^2/NDF:69.9/45

All: -0.000+/-0.000 χ^2/NDF: 115.8/85



Right In: 0.010+/-0.000 χ^2/NDF: 7213764.9/16

Left Out: 0.014+/-0.000 χ^2/NDF:7717157.8/24

Right Out: 0.009+/-0.000 χ^2/NDF: 8207892.4/20

Left In: 0.013+/-0.000 χ^2/NDF:7121524.7/22

Left: 0.013+/-0.000 χ^2/NDF: 14955984.5/47

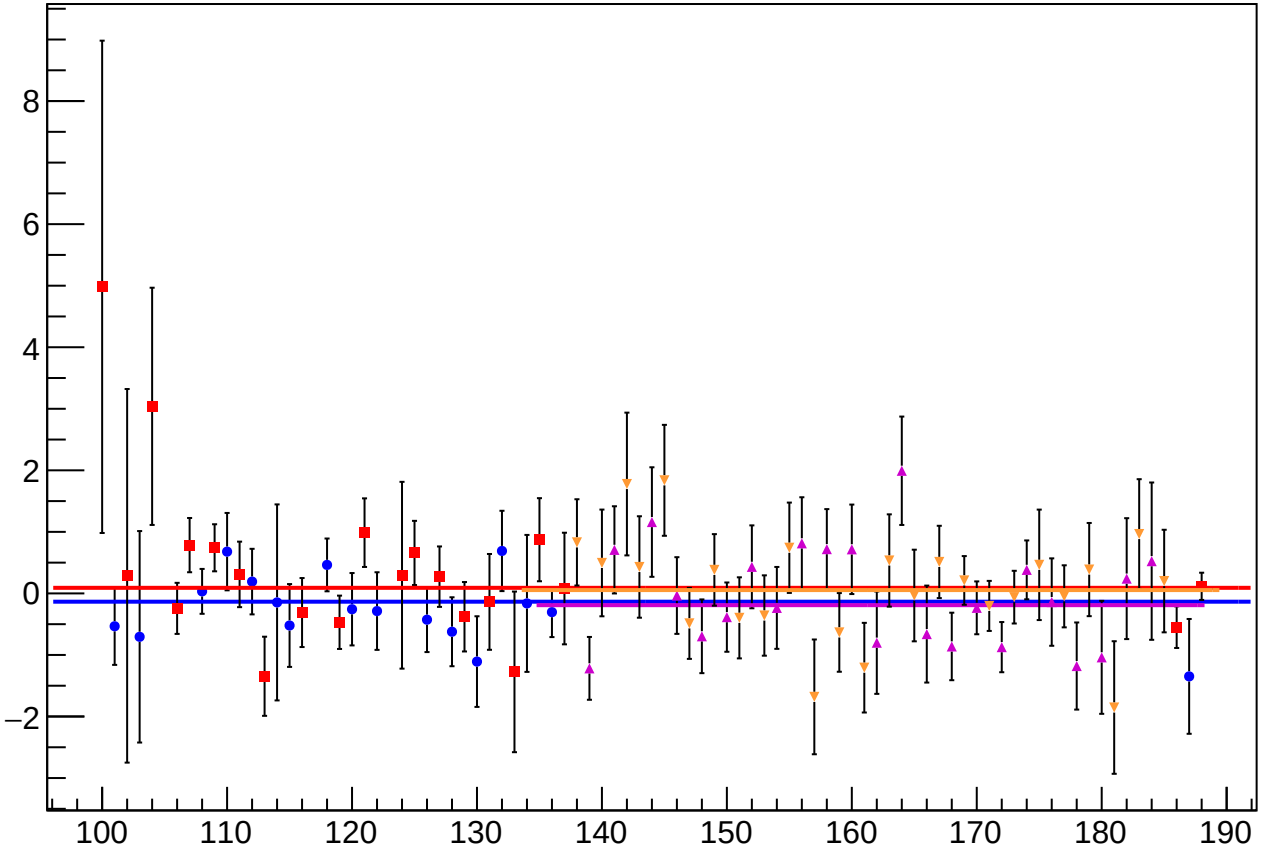
Right: 0.009+/-0.000 χ^2/NDF: 15482260.3/37

In: 0.012+/-0.000 χ^2/NDF:14654489.0/39

Out: 0.012+/-0.000 χ^2/NDF:17533734.3/45

All: 0.012+/-0.000 χ^2/NDF: 32191588.6/85

asym_atr2_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.135+/-0.143 χ^2/NDF: 11.4/16

Left Out: 0.054+/-0.130 χ^2/NDF:24.7/24

Right Out: 0.091+/-0.110 χ^2/NDF: 27.9/20

Left In: -0.191+/-0.133 χ^2/NDF:31.1/22

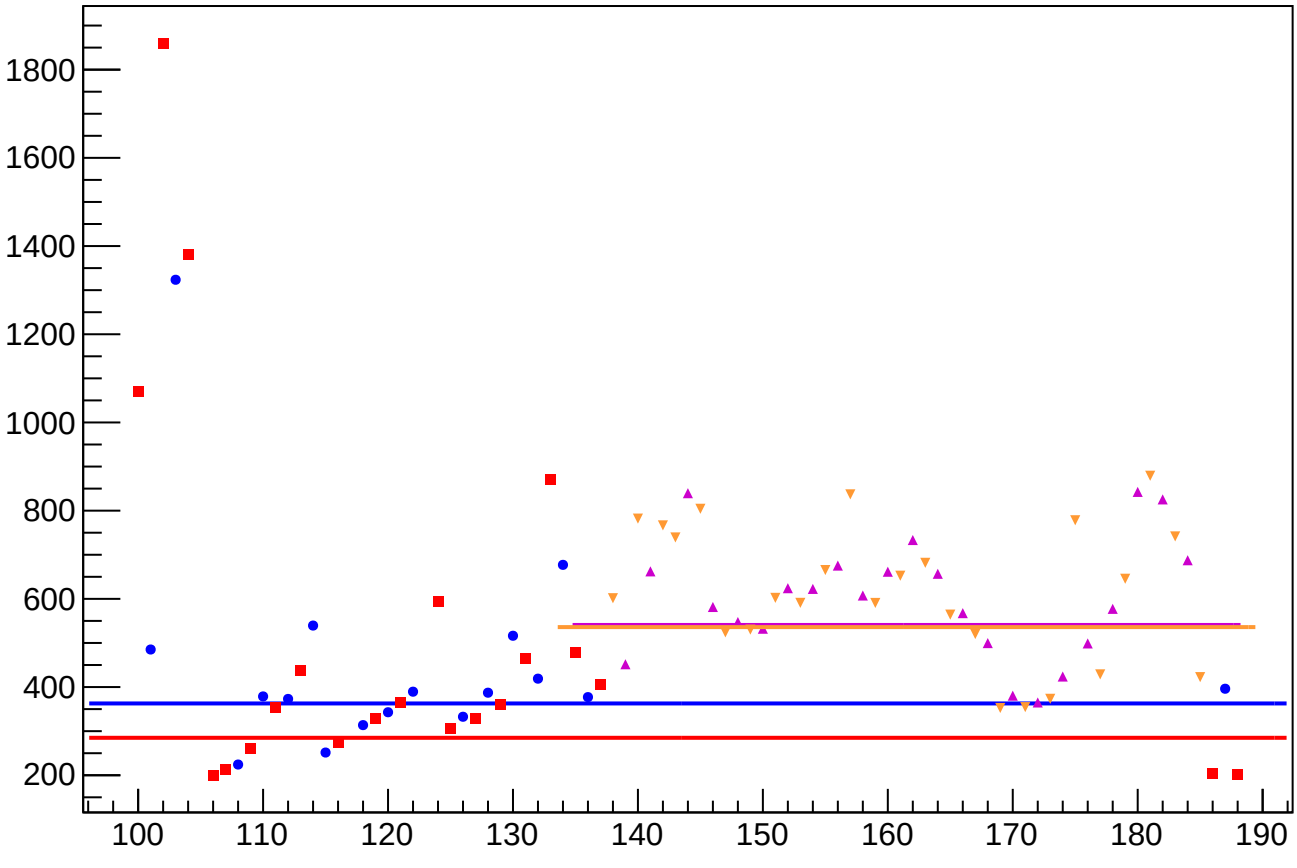
Left: -0.065+/-0.093 χ^2/NDF: 57.6/47

Right: 0.007+/-0.087 χ^2/NDF: 40.9/37

In: -0.165+/-0.097 χ^2/NDF:42.7/39

Out: 0.075+/-0.084 χ^2/NDF:52.7/45

All: -0.027+/-0.064 χ^2/NDF: 98.8/85



Right In: 362.837+/-0.101 χ^2/NDF: 1379952.0/16

Left Out: 535.948+/-0.092 χ^2/NDF:2749816.2/24

Right Out: 284.947+/-0.078 χ^2/NDF: 2853802.7/20

Left In: 540.809+/-0.094 χ^2/NDF:1905035.9/22

Left: 538.311+/-0.066 χ^2/NDF: 4656222.0/47

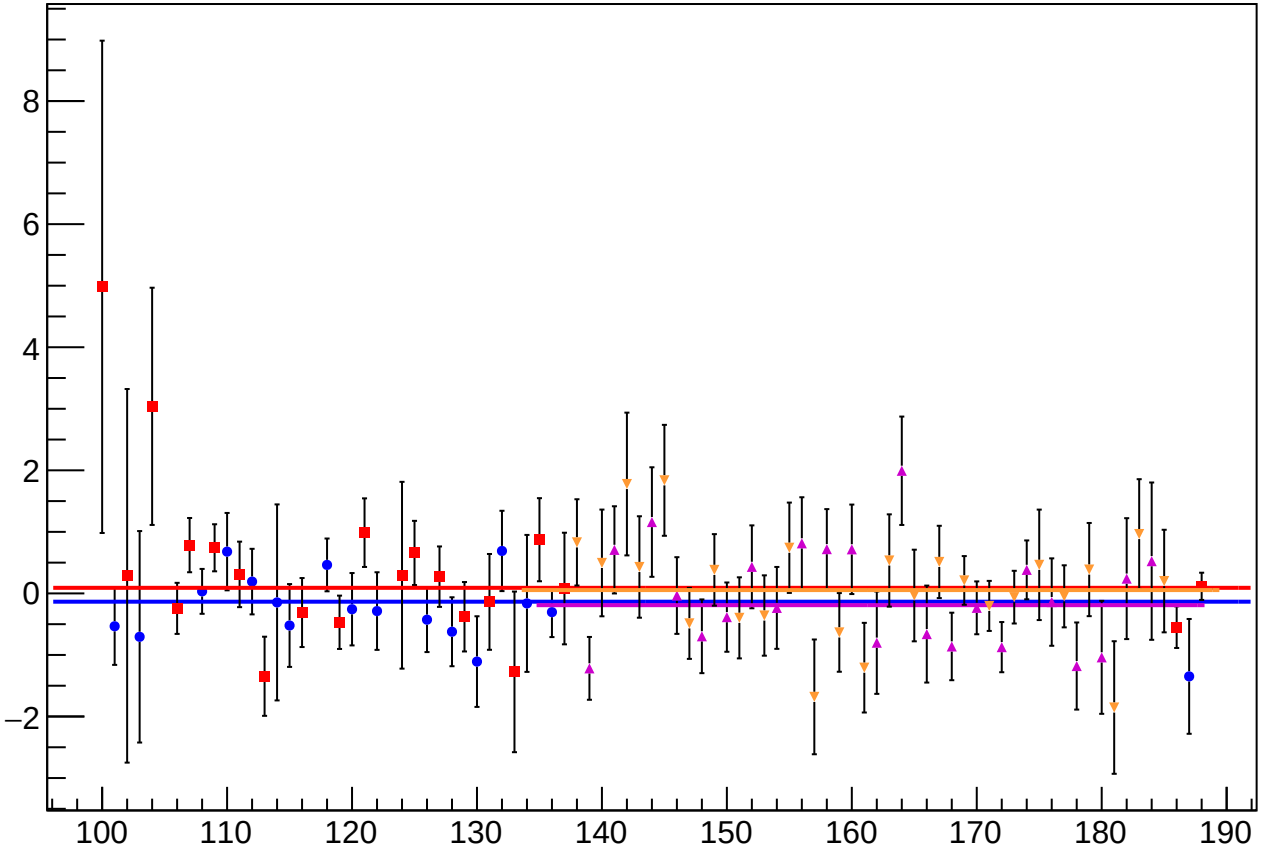
Right: 314.017+/-0.062 χ^2/NDF: 4605792.7/37

In: 458.157+/-0.069 χ^2/NDF:4944762.2/39

Out: 390.507+/-0.059 χ^2/NDF:9957124.8/45

All: 419.344+/-0.045 χ^2/NDF: 15455049.2/85

asym_atr2_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.135+/-0.143 χ^2/NDF: 11.4/16

Left Out: 0.054+/-0.130 χ^2/NDF:24.7/24

Right Out: 0.091+/-0.110 χ^2/NDF: 27.9/20

Left In: -0.191+/-0.133 χ^2/NDF:31.1/22

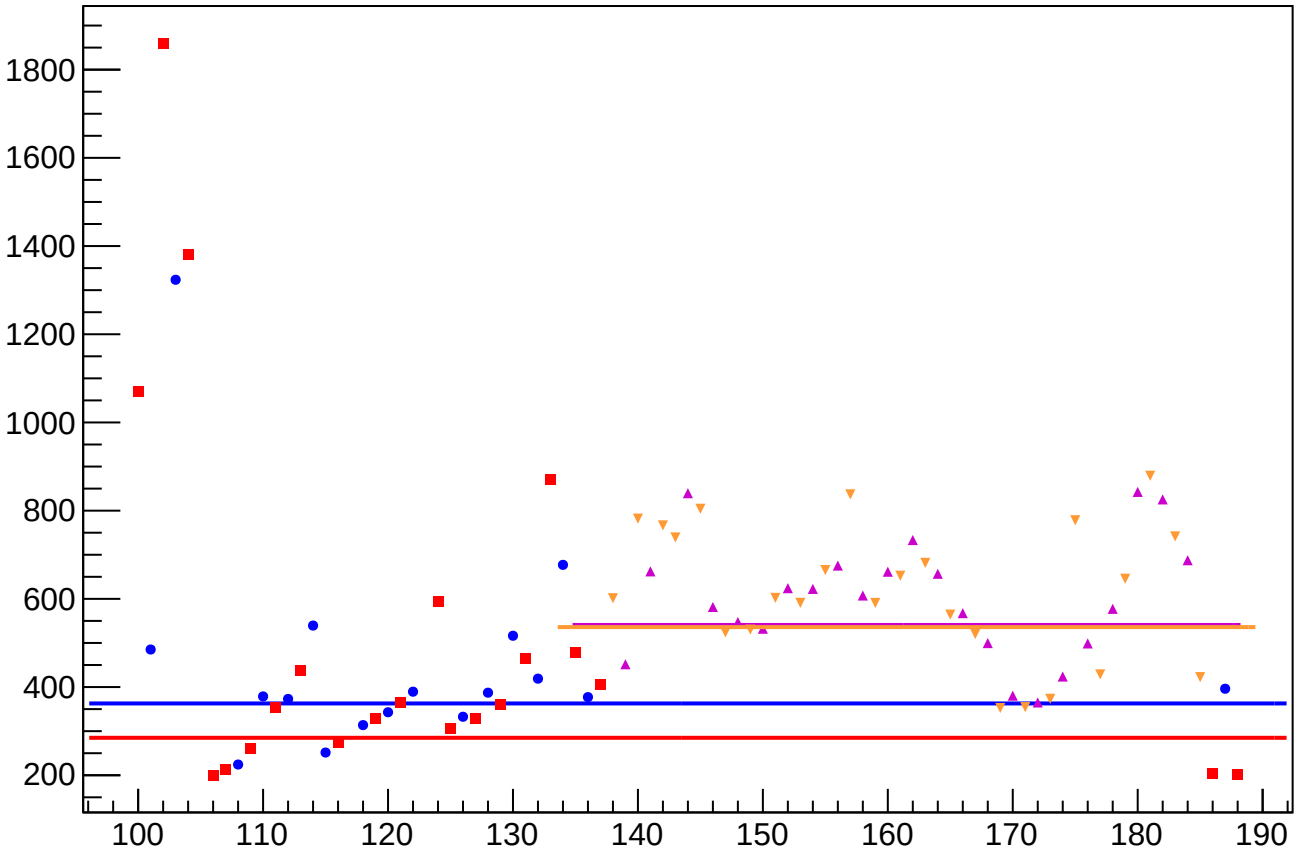
Left: -0.065+/-0.093 χ^2/NDF: 57.6/47

Right: 0.007+/-0.087 χ^2/NDF: 40.9/37

In: -0.165+/-0.097 χ^2/NDF:42.7/39

Out: 0.075+/-0.084 χ^2/NDF:52.7/45

All: -0.027+/-0.064 χ^2/NDF: 98.8/85



Right In: 362.837+/-0.101 χ^2/NDF: 1379952.0/16

Left Out: 535.948+/-0.092 χ^2/NDF:2749816.2/24

Right Out: 284.947+/-0.078 χ^2/NDF: 2853802.7/20

Left In: 540.809+/-0.094 χ^2/NDF:1905035.9/22

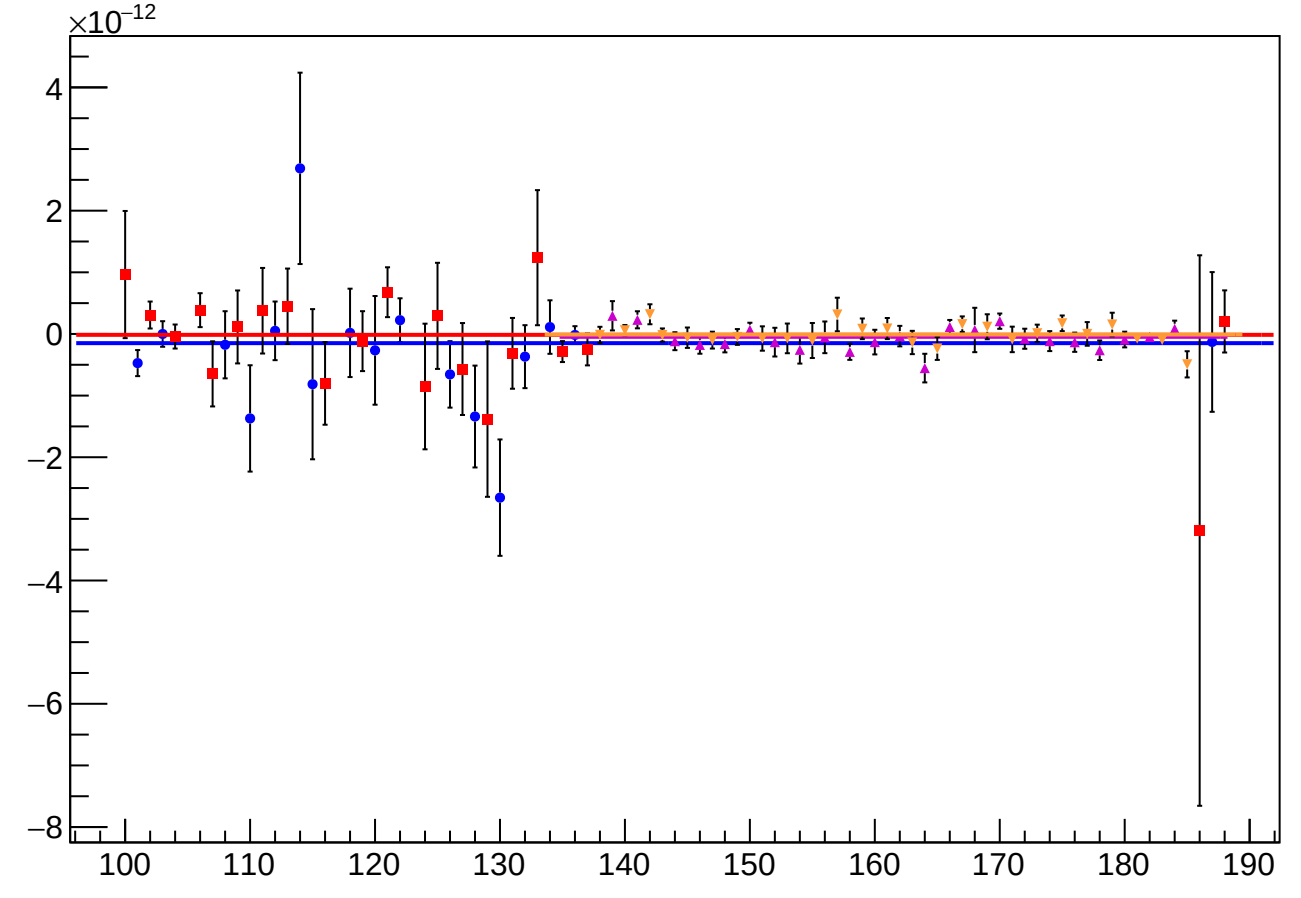
Left: 538.311+/-0.066 χ^2/NDF: 4656222.0/47

Right: 314.017+/-0.062 χ^2/NDF: 4605792.7/37

In: 458.157+/-0.069 χ^2/NDF:4944762.2/39

Out: 390.507+/-0.059 χ^2/NDF:9957124.8/45

All: 419.344+/-0.045 χ^2/NDF: 15455049.2/85



Right In: -0.000+/-0.000 χ^2/NDF: 21.3/16

Left Out: -0.000+/-0.000 χ^2/NDF:22.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 20.1/20

Left In: -0.000+/-0.000 χ^2/NDF:28.2/22

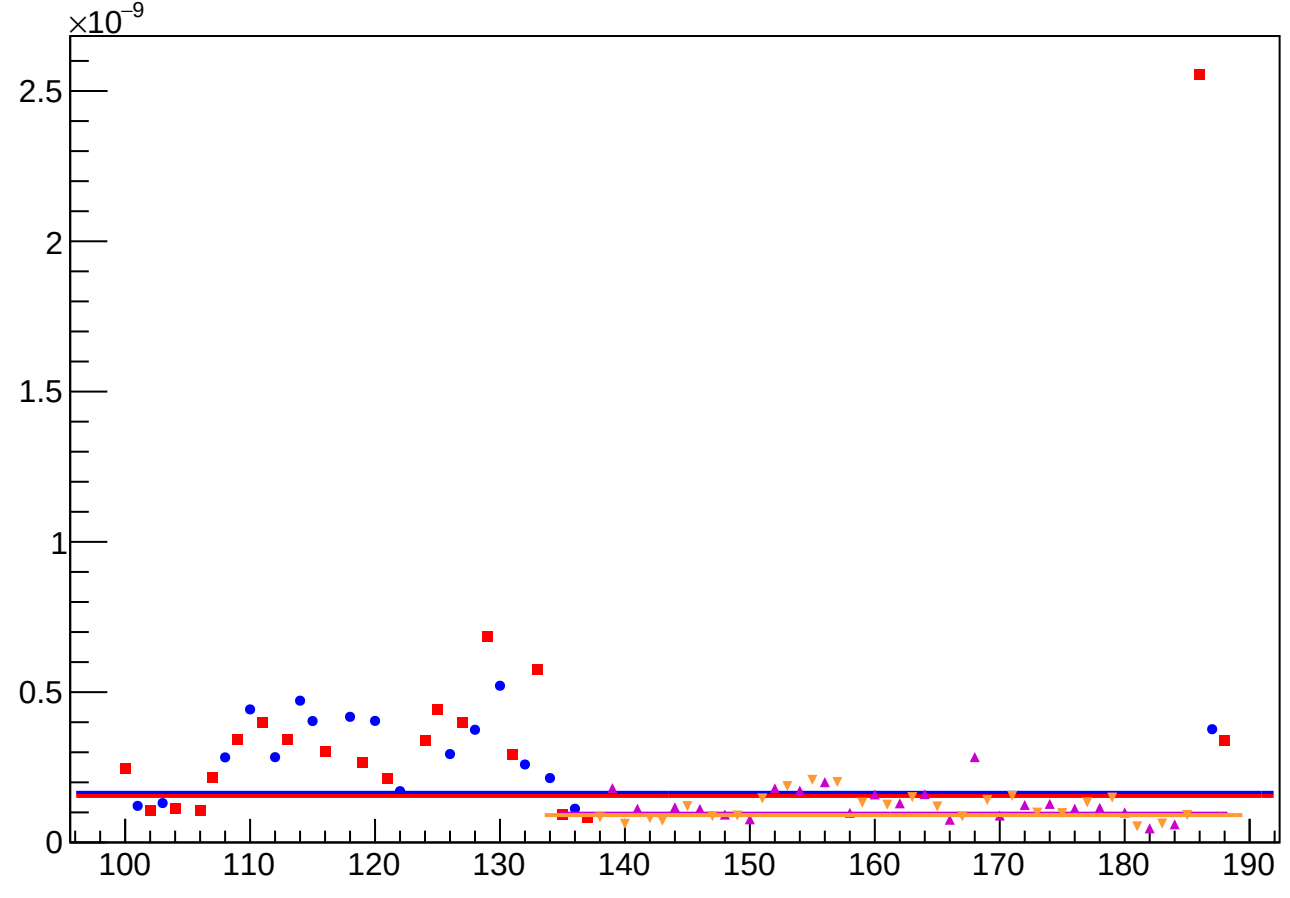
Left: -0.000+/-0.000 χ^2/NDF: 51.1/47

Right: -0.000+/-0.000 χ^2/NDF: 42.7/37

In: -0.000+/-0.000 χ^2/NDF:50.7/39

Out: -0.000+/-0.000 χ^2/NDF:42.2/45

All: -0.000+/-0.000 χ^2/NDF: 94.5/85



Right In: 0.000+/-0.000 χ^2/NDF: 2081364.8/16

Left Out: 0.000+/-0.000 χ^2/NDF:3367730.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3701546.1/20

Left In: 0.000+/-0.000 χ^2/NDF:3905784.1/22

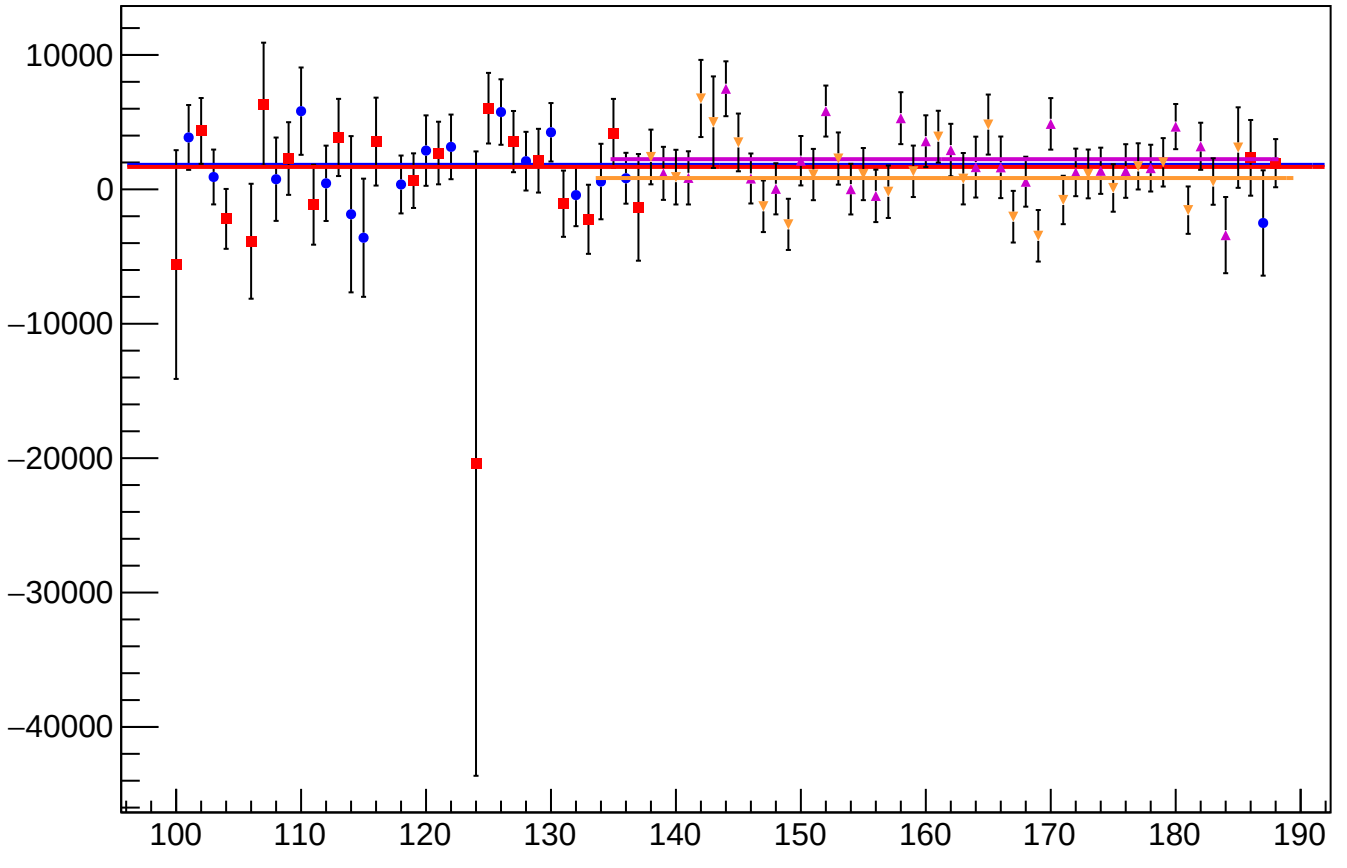
Left: 0.000+/-0.000 χ^2/NDF: 7302418.3/47

Right: 0.000+/-0.000 χ^2/NDF: 5797896.5/37

In: 0.000+/-0.000 χ^2/NDF:7129194.9/39

Out: 0.000+/-0.000 χ^2/NDF:8147373.4/45

All: 0.000+/-0.000 χ^2/NDF: 15316431.9/85



Right In: 1823.742+/-619.969 χ^2/NDF: 12.1/16

Left Out: 841.572+/-394.444 χ^2/NDF:30.4/24

Right Out: 1669.027+/-591.088 χ^2/NDF: 19.5/20

Left In: 2245.041+/-400.753 χ^2/NDF:29.4/22

Left: 1532.172+/-281.118 χ^2/NDF: 66.0/47

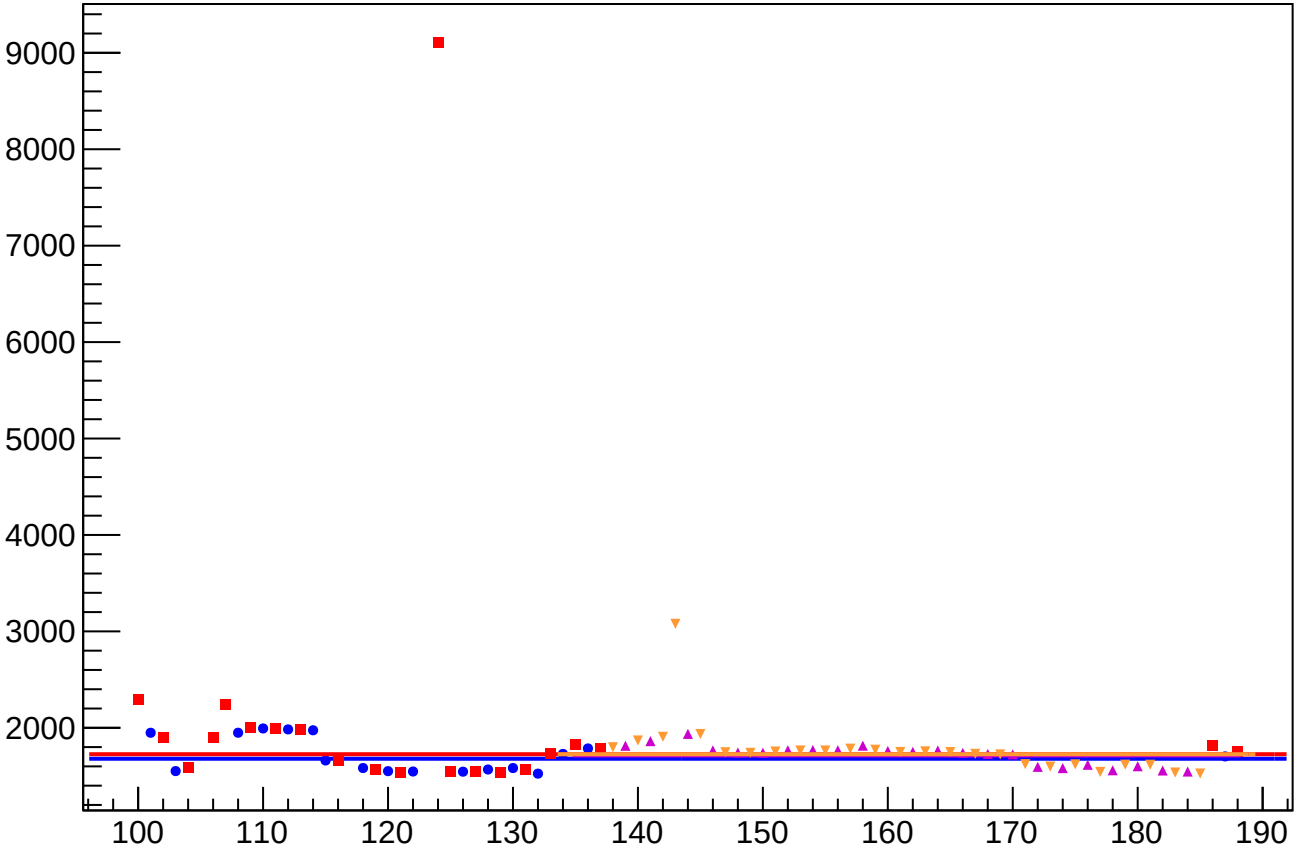
Right: 1742.697+/-427.808 χ^2/NDF: 31.7/37

In: 2120.883+/-336.560 χ^2/NDF:41.9/39

Out: 1096.519+/-328.099 χ^2/NDF:51.2/45

All: 1595.662+/-234.935 χ^2/NDF: 97.9/85

reg_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1679.164+/-0.438 χ^2/NDF: 141560.7/16

Left Out: 1726.058+/-0.279 χ^2/NDF:454930.8/24

Right Out: 1726.208+/-0.416 χ^2/NDF: 385800.6/20

Left In: 1713.156+/-0.283 χ^2/NDF:129290.6/22

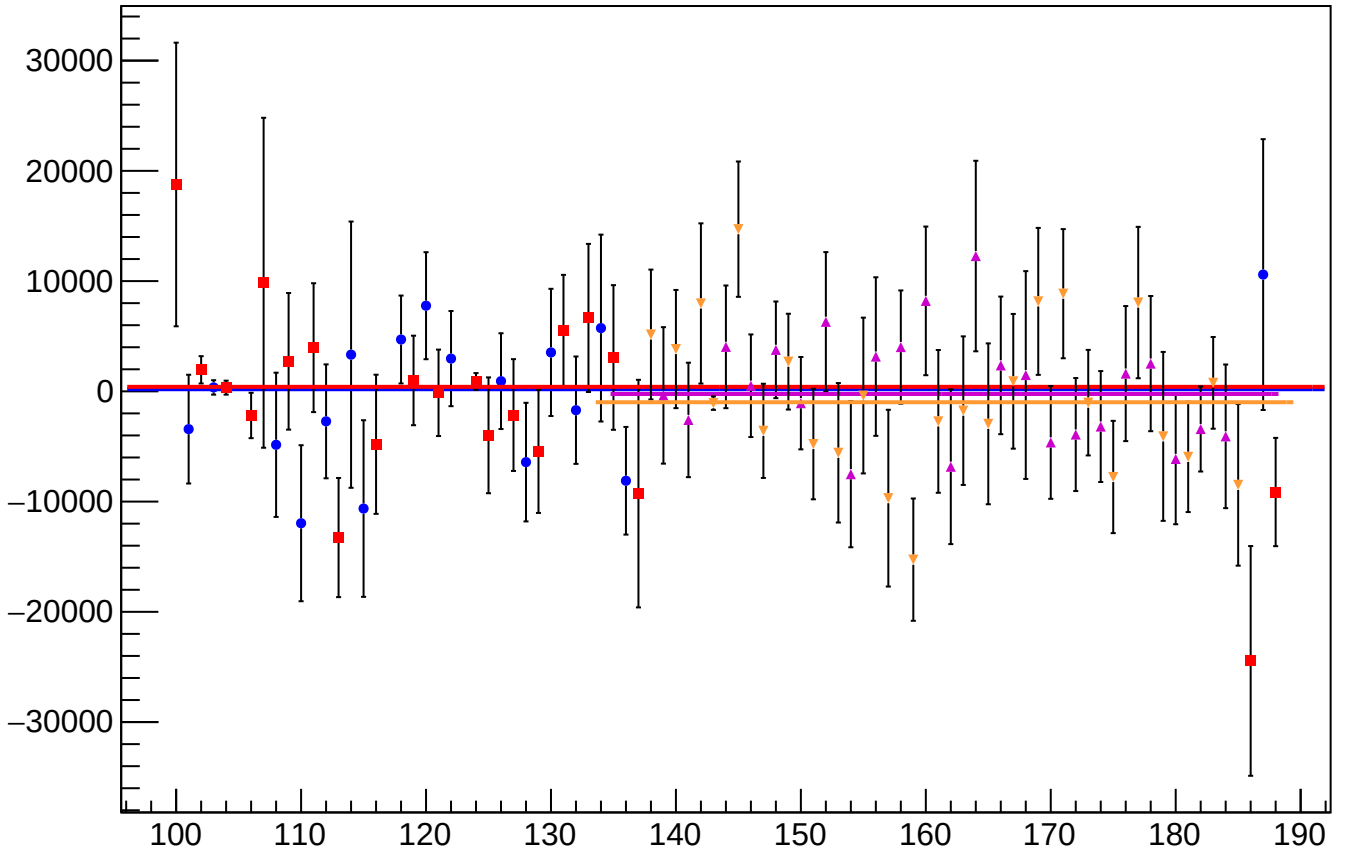
Left: 1719.709+/-0.199 χ^2/NDF: 585274.4/47

Right: 1703.901+/-0.302 χ^2/NDF: 533416.9/37

In: 1703.138+/-0.238 χ^2/NDF:275091.9/39

Out: 1726.105+/-0.232 χ^2/NDF:840731.4/45

All: 1714.928+/-0.166 χ^2/NDF: 1120604.2/85



Right In: 192.407+/-590.922 χ^2/NDF: 16.5/16

Left Out: -987.621+/-541.250 χ^2/NDF:30.8/24

Right Out: 408.375+/-422.854 χ^2/NDF: 28.1/20

Left In: -239.582+/-1165.046 χ^2/NDF:13.5/22

Left: -854.832+/-490.864 χ^2/NDF: 44.7/47

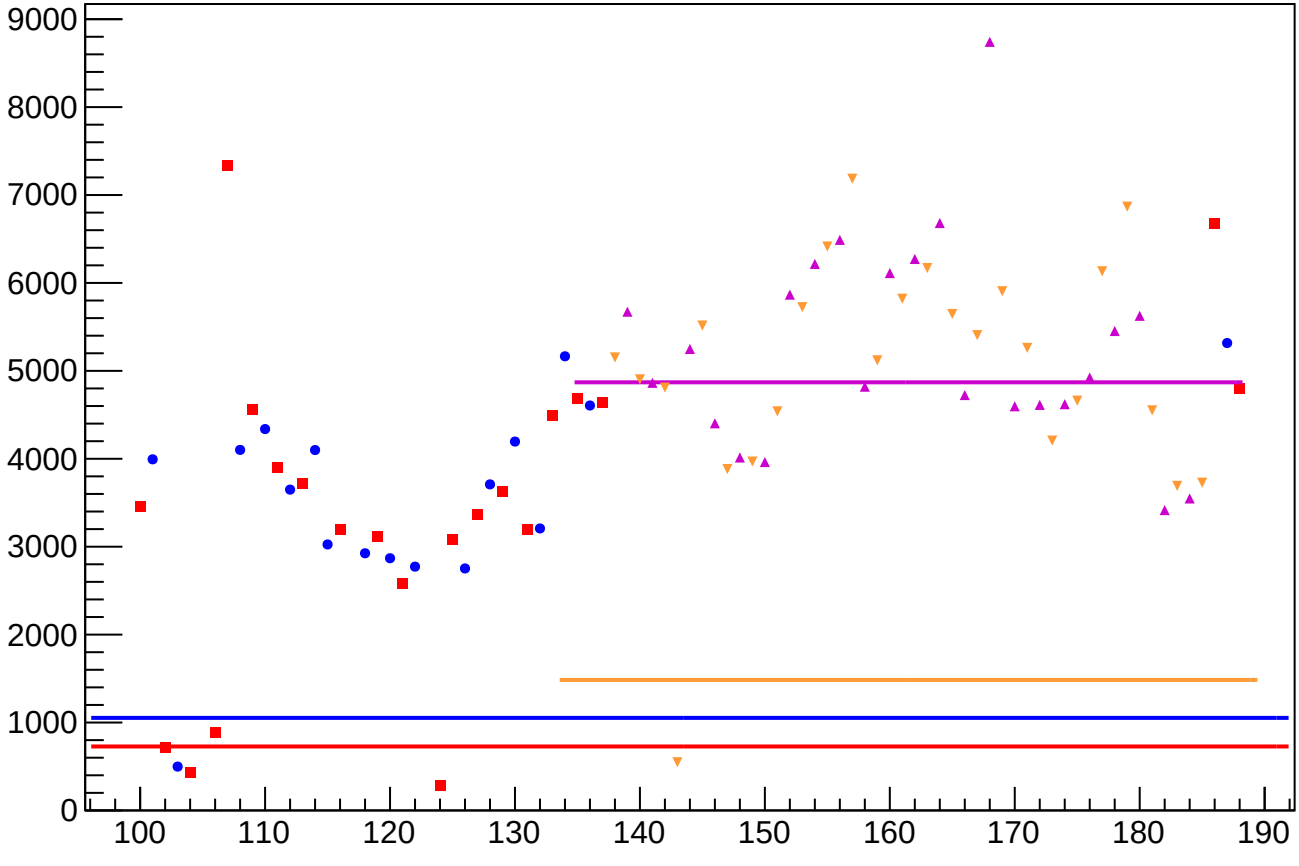
Right: 335.238+/-343.879 χ^2/NDF: 44.7/37

In: 104.013+/-527.008 χ^2/NDF:30.2/39

Out: -120.736+/-333.218 χ^2/NDF:63.0/45

All: -56.547+/-281.643 χ^2/NDF: 93.4/85

asym_atl_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 1053.007+/-0.418 χ^2/NDF: 8353413.0/16

Left Out: 1484.563+/-0.383 χ^2/NDF:23224946.4/24

Right Out: 727.712+/-0.299 χ^2/NDF: 10679153.2/20

Left In: 4869.707+/-0.824 χ^2/NDF:1474225.9/22

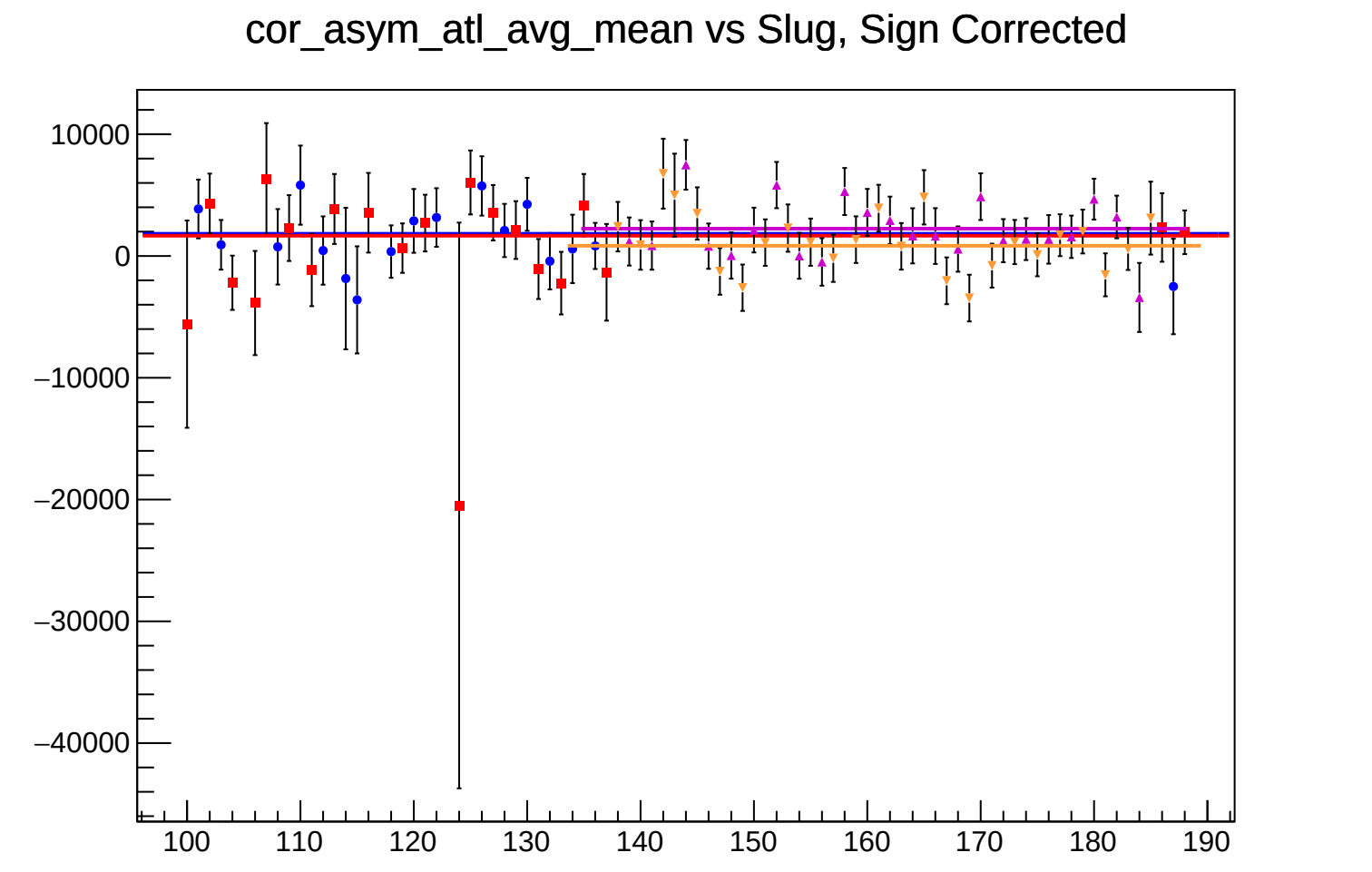
Left: 2085.479+/-0.347 χ^2/NDF: 38586716.8/47

Right: 837.873+/-0.243 χ^2/NDF: 19433393.6/37

In: 1833.981+/-0.373 χ^2/NDF:26900021.4/39

Out: 1014.574+/-0.236 χ^2/NDF:36332569.6/45

All: 1248.599+/-0.199 χ^2/NDF: 66686684.2/8



Right In: 1823.846+/-619.969 χ^2/NDF: 12.1/16

Left Out: 841.564+/-394.444 χ^2/NDF:30.4/24

Right Out: 1666.978+/-591.092 χ^2/NDF: 19.5/20

Left In: 2245.061+/-400.753 χ^2/NDF:29.4/22

Left: 1532.178+/-281.118 χ^2/NDF: 66.0/47

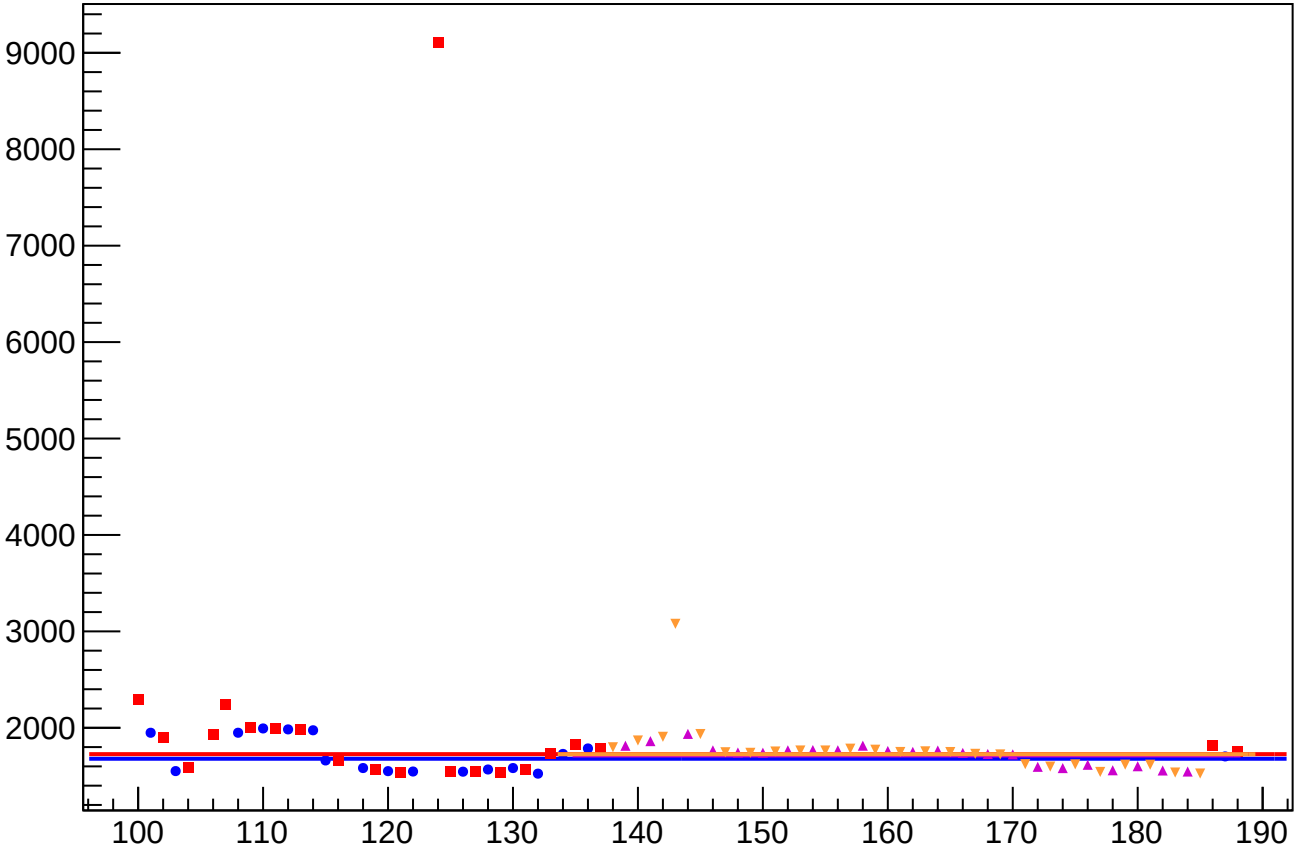
Right: 1741.674+/-427.809 χ^2/NDF: 31.6/37

In: 2120.927+/-336.560 χ^2/NDF:41.9/39

Out: 1095.880+/-328.099 χ^2/NDF:51.2/45

All: 1595.357+/-234.936 χ^2/NDF: 97.8/85

cor_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1679.163+/-0.438 χ^2/NDF: 141560.8/16

Left Out: 1726.058+/-0.279 χ^2/NDF:454930.8/24

Right Out: 1726.922+/-0.416 χ^2/NDF: 387479.3/20

Left In: 1713.156+/-0.283 χ^2/NDF:129290.6/22

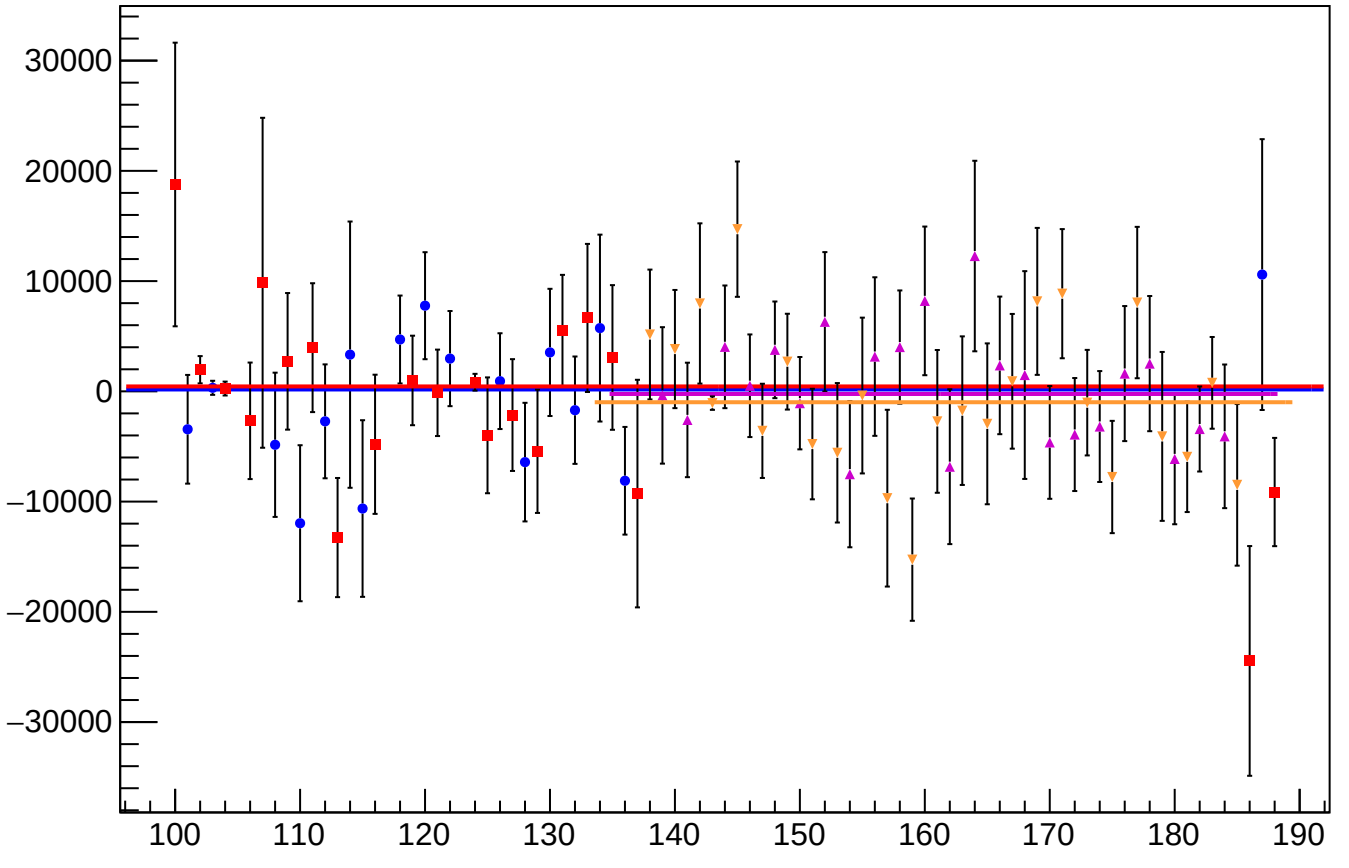
Left: 1719.709+/-0.199 χ^2/NDF: 585274.4/47

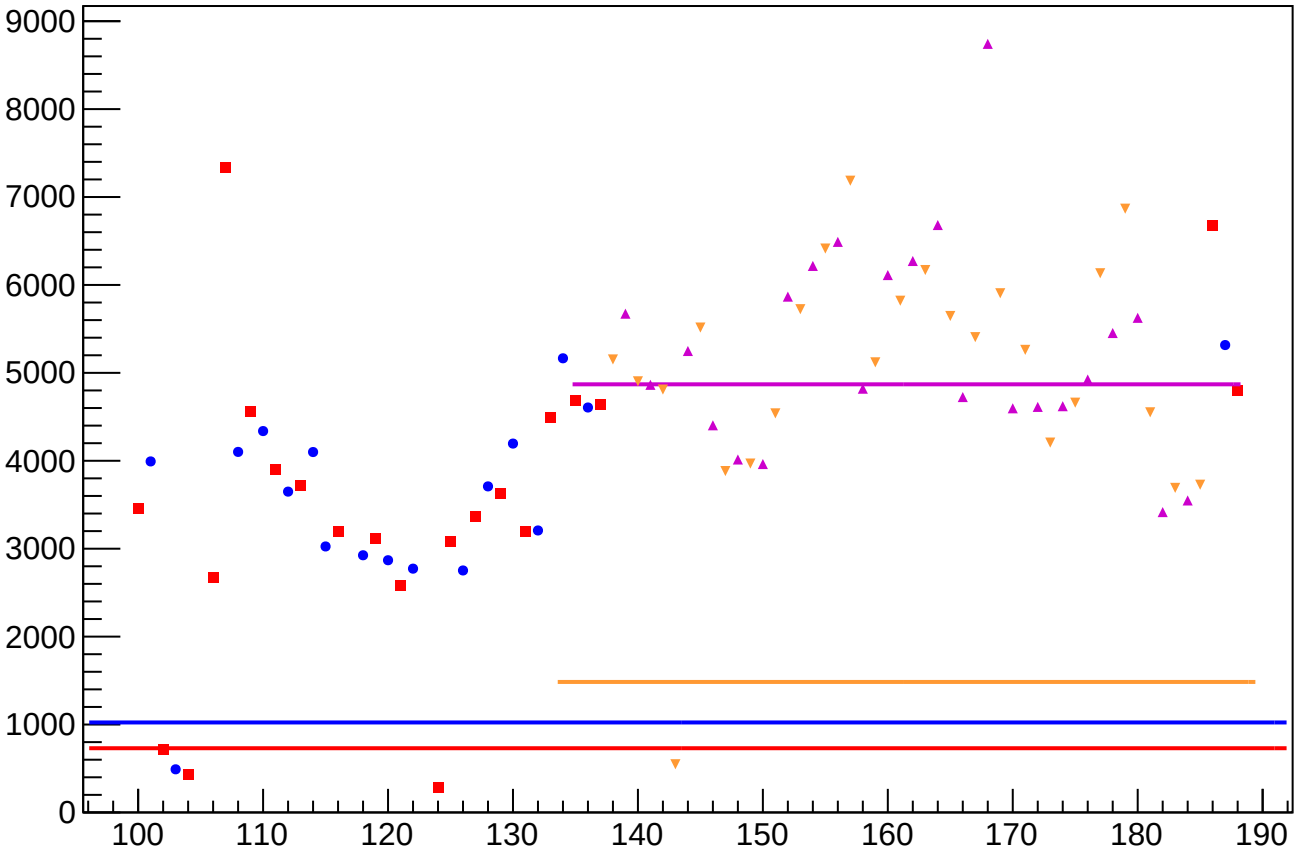
Right: 1704.267+/-0.302 χ^2/NDF: 535278.5/37

In: 1703.138+/-0.238 χ^2/NDF:275092.0/39

Out: 1726.326+/-0.232 χ^2/NDF:842413.0/45

All: 1715.040+/-0.166 χ^2/NDF: 1122377.8/85


asym_atl_avg_cor_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
160
170
180
190
Right In: 169.734+/-578.713 χ²/NDF: 16.5/16
Left Out: -987.291+/-541.232 χ²/NDF:30.8/24
Right Out: 445.283+/-428.612 χ²/NDF: 26.8/20
Left In: -239.478+/-1165.045 χ²/NDF:13.5/22
Left: -854.550+/-490.851 χ²/NDF: 44.7/47
Right: 347.676+/-344.433 χ²/NDF: 43.5/37
In: 88.747+/-518.293 χ²/NDF:30.2/39
Out: -106.865+/-336.010 χ²/NDF:61.9/45
All: -48.979+/-281.944 χ²/NDF: 92.2/85



Right In: 1023.645+/-0.409 χ^2/NDF: 8467847.9/16

Left Out: 1484.485+/-0.383 χ^2/NDF:23225570.5/24

Right Out: 730.528+/-0.303 χ^2/NDF: 10955944.6/20

Left In: 4869.699+/-0.824 χ^2/NDF:1474252.6/22

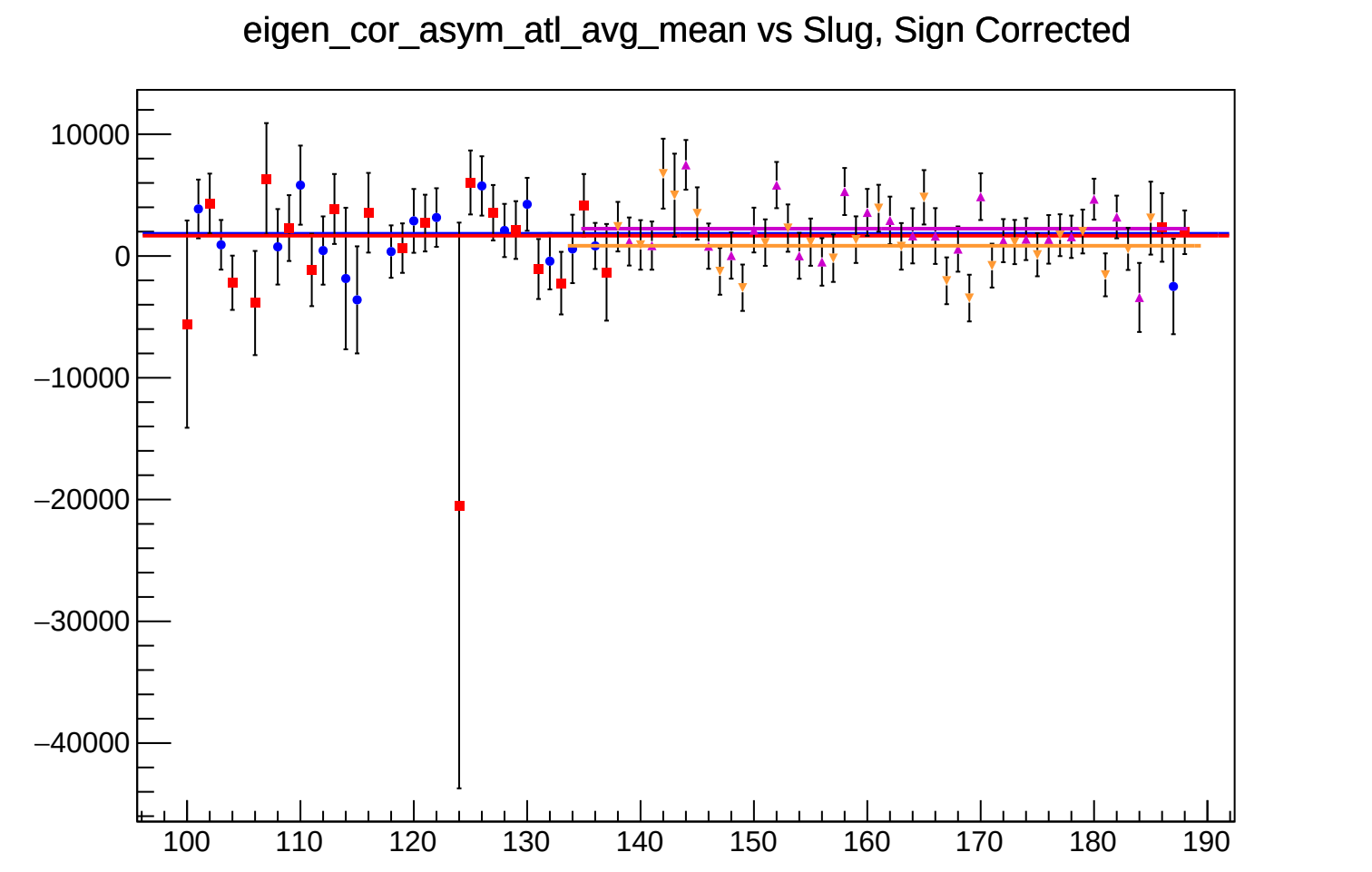
Left: 2085.382+/-0.347 χ^2/NDF: 38588136.1/47

Right: 834.358+/-0.244 χ^2/NDF: 19755124.7/37

In: 1784.812+/-0.366 χ^2/NDF:27424430.4/39

Out: 1021.121+/-0.238 χ^2/NDF:36566749.5/45

All: 1247.113+/-0.199 χ^2/NDF: 67048471.7/8



Right In: 1823.846+/-619.969 χ^2/NDF: 12.1/16

Left Out: 841.564+/-394.444 χ^2/NDF:30.4/24

Right Out: 1666.978+/-591.092 χ^2/NDF: 19.5/20

Left In: 2245.061+/-400.753 χ^2/NDF:29.4/22

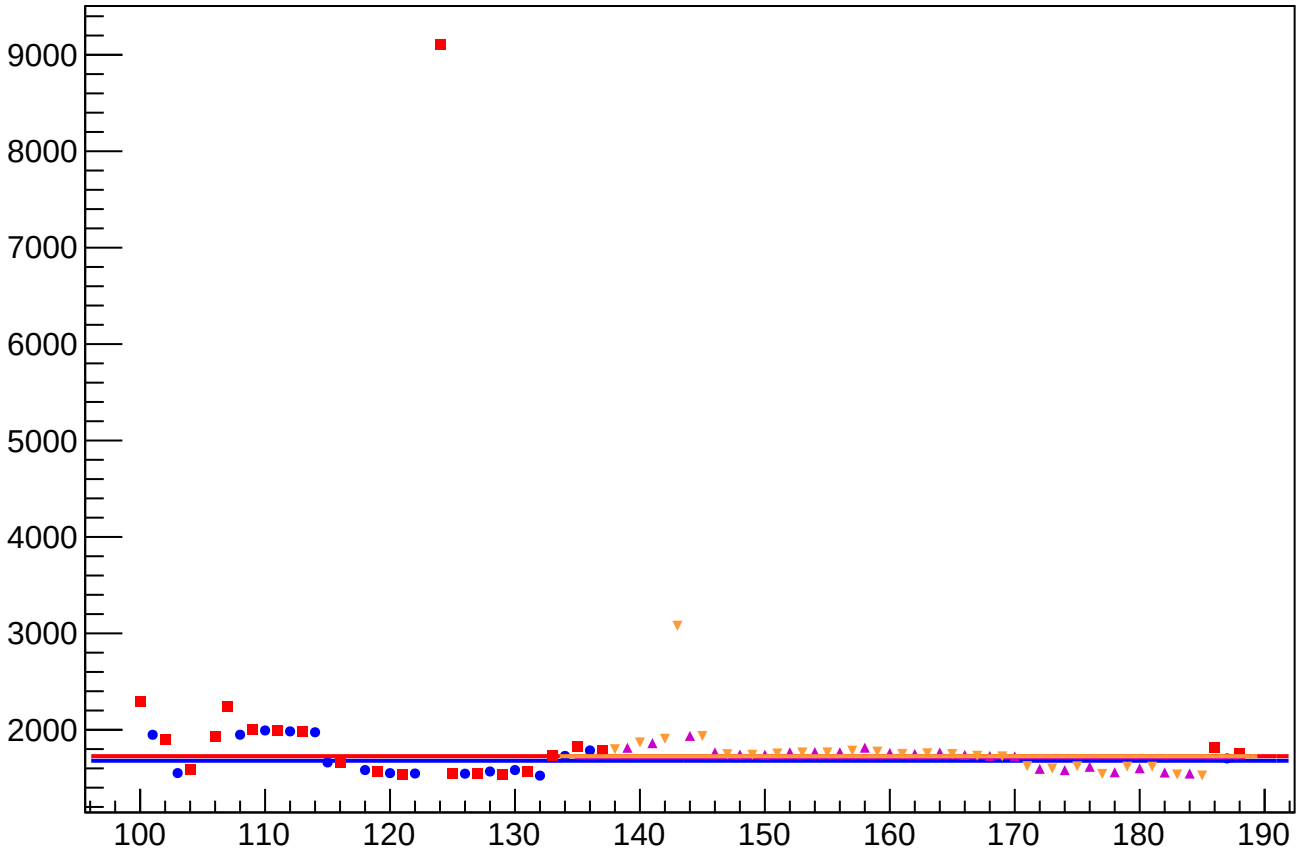
Left: 1532.178+/-281.118 χ^2/NDF: 66.0/47

Right: 1741.674+/-427.809 χ^2/NDF: 31.6/37

In: 2120.927+/-336.560 χ^2/NDF:41.9/39

Out: 1095.880+/-328.099 χ^2/NDF:51.2/45

All: 1595.357+/-234.936 χ^2/NDF: 97.8/85



Right In: 1679.163+/-0.438 χ^2/NDF: 141560.8/16

Left Out: 1726.058+/-0.279 χ^2/NDF:454930.8/24

Right Out: 1726.922+/-0.416 χ^2/NDF: 387479.3/20

Left In: 1713.156+/-0.283 χ^2/NDF:129290.6/22

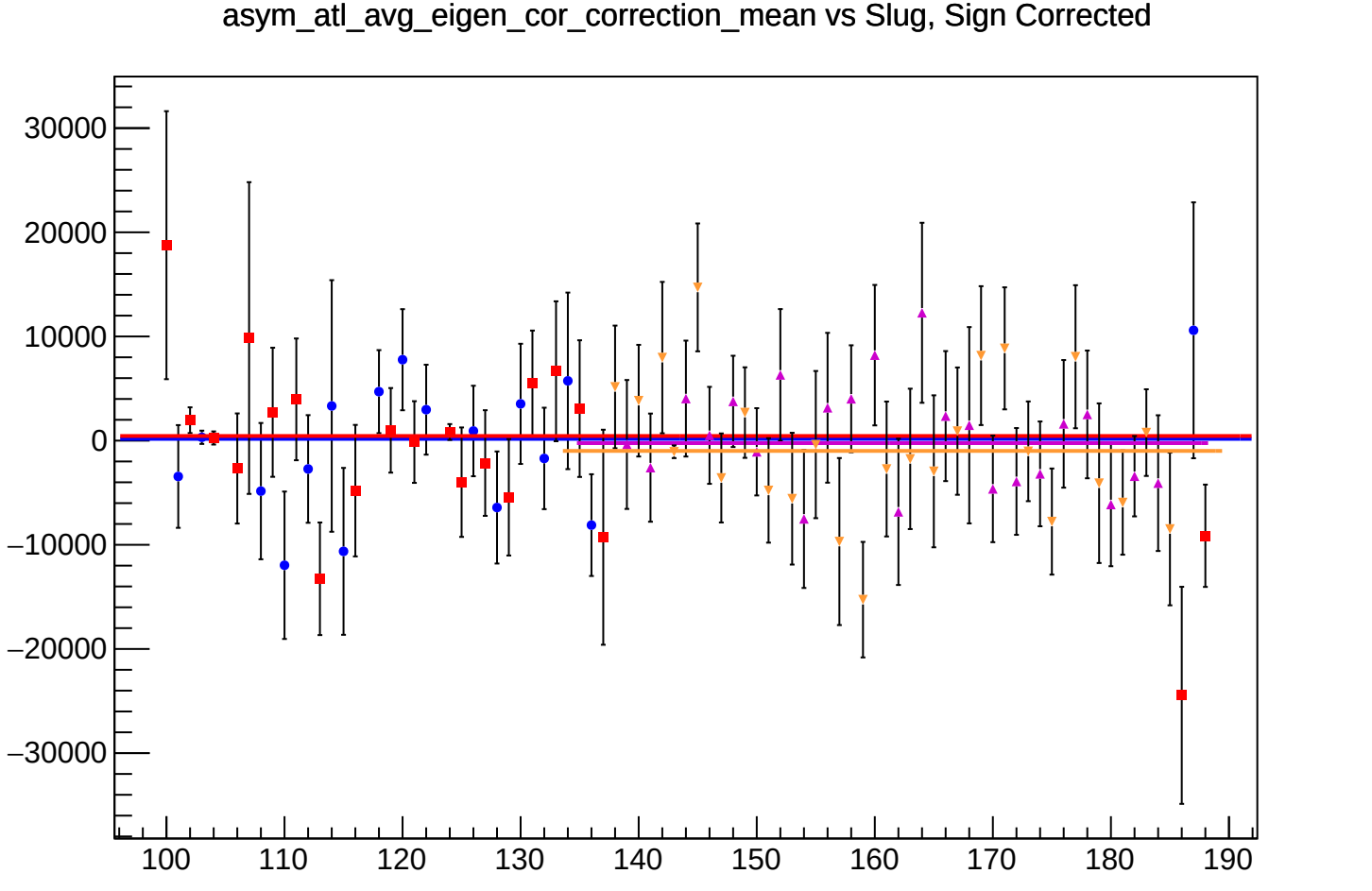
Left: 1719.709+/-0.199 χ^2/NDF: 585274.4/47

Right: 1704.267+/-0.302 χ^2/NDF: 535278.5/37

In: 1703.138+/-0.238 χ^2/NDF:275092.0/39

Out: 1726.326+/-0.232 χ^2/NDF:842413.0/45

All: 1715.040+/-0.166 χ^2/NDF: 1122377.8/85



Right In: 169.734+/-578.713 χ^2/NDF: 16.5/16

Left Out: -987.291+/-541.232 χ^2/NDF:30.8/24

Right Out: 445.283+/-428.612 χ^2/NDF: 26.8/20

Left In: -239.478+/-1165.045 χ^2/NDF:13.5/22

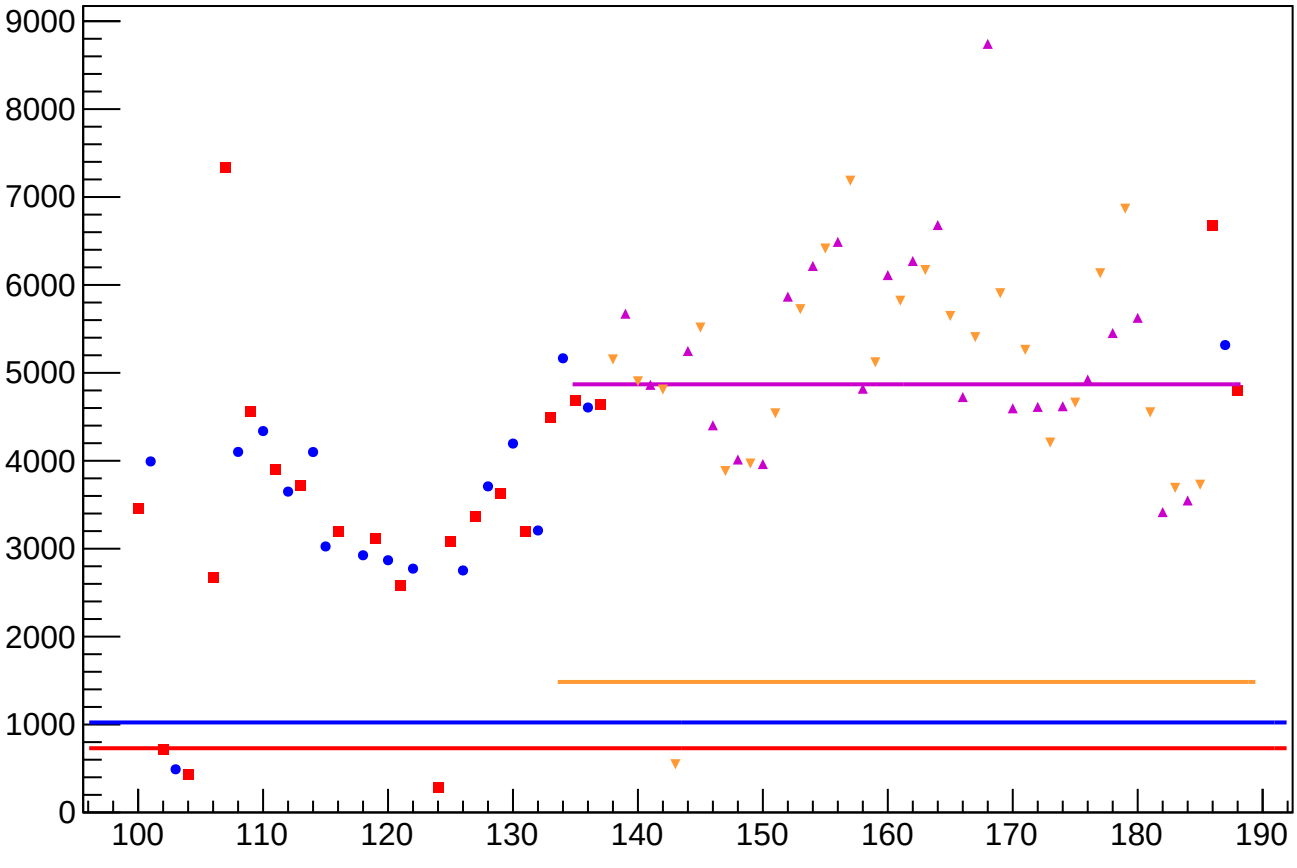
Left: -854.550+/-490.851 χ^2/NDF: 44.7/47

Right: 347.676+/-344.433 χ^2/NDF: 43.5/37

In: 88.747+/-518.293 χ^2/NDF:30.2/39

Out: -106.865+/-336.010 χ^2/NDF:61.9/45

All: -48.979+/-281.944 χ^2/NDF: 92.2/85



Right In: 1023.645+/-0.409 χ^2/NDF: 8467847.9/16

Left Out: 1484.485+/-0.383 χ^2/NDF:23225570.5/24

Right Out: 730.528+/-0.303 χ^2/NDF: 10955944.6/20

Left In: 4869.699+/-0.824 χ^2/NDF:1474252.6/22

Left: 2085.382+/-0.347 χ^2/NDF: 38588136.1/47

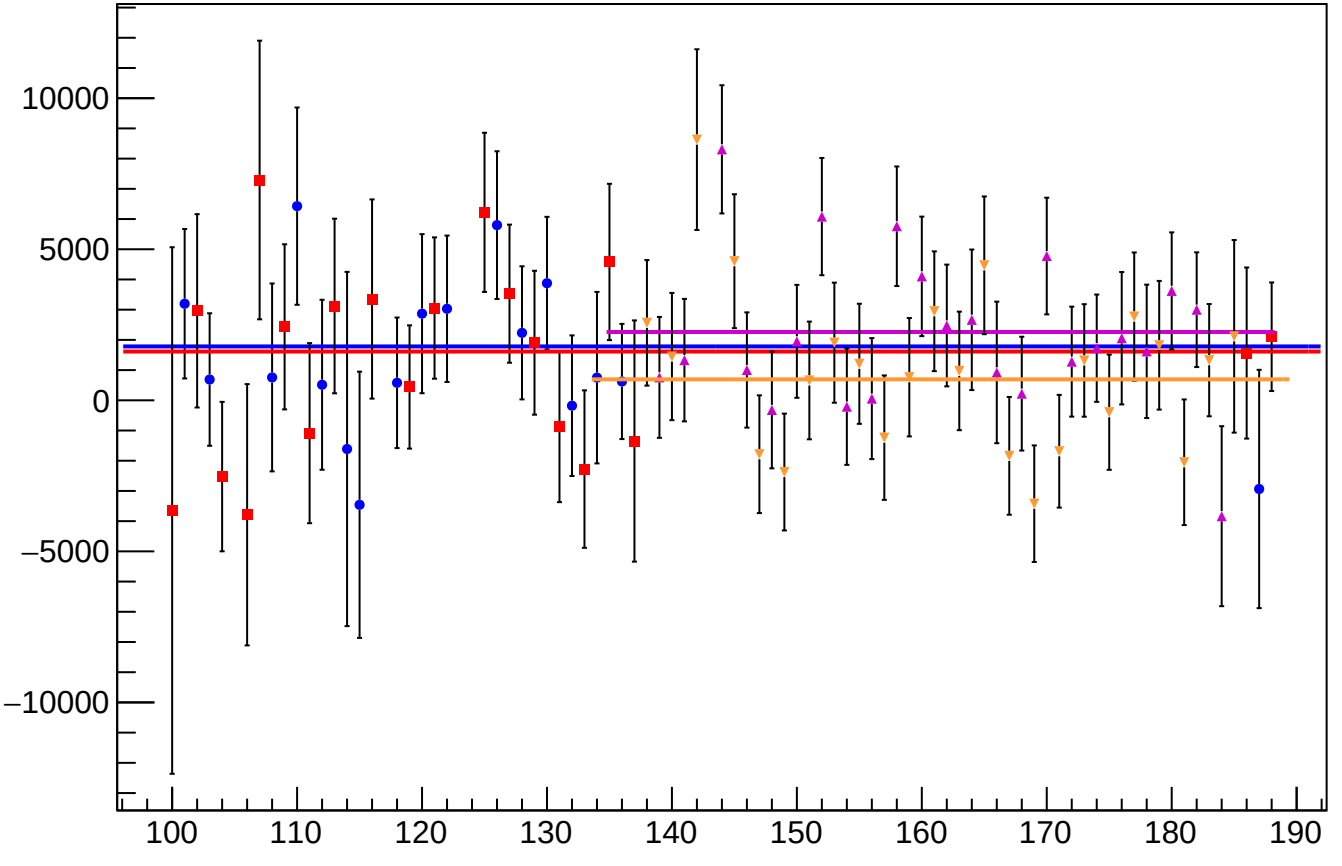
Right: 834.358+/-0.244 χ^2/NDF: 19755124.7/37

In: 1784.812+/-0.366 χ^2/NDF:27424430.4/39

Out: 1021.121+/-0.238 χ^2/NDF:36566749.5/45

All: 1247.113+/-0.199 χ^2/NDF: 67048471.7/8

dit_asym_atl_avg_mean vs Slug, Sign Corrected



Right In: 1783.361+/-628.307 χ^2/NDF: 11.7/16

Left Out: 694.317+/-418.051 χ^2/NDF:32.2/23

Right Out: 1614.439+/-606.016 χ^2/NDF: 17.5/19

Left In: 2261.767+/-419.177 χ^2/NDF:30.4/22

Left: 1475.934+/-296.004 χ^2/NDF: 69.6/46

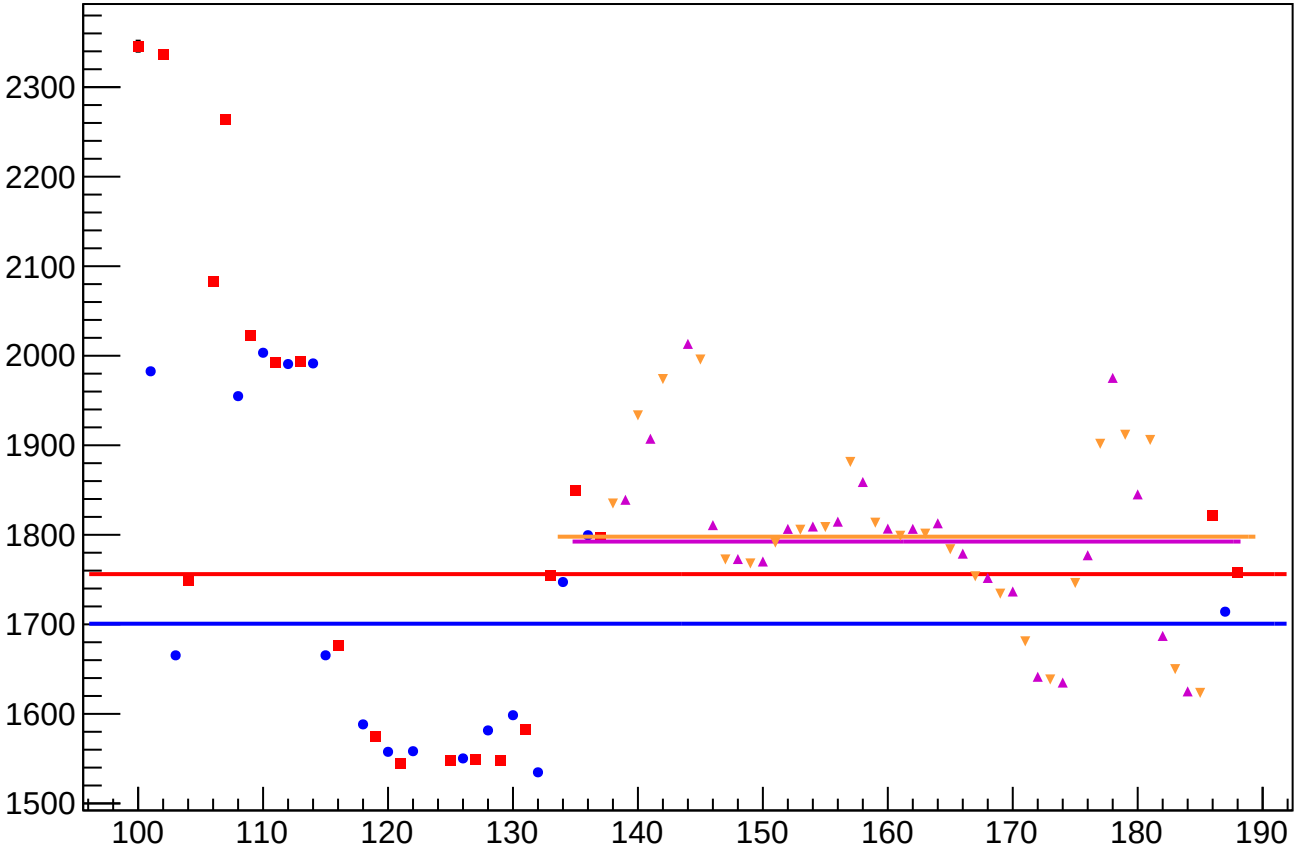
Right: 1695.850+/-436.186 χ^2/NDF: 29.3/36

In: 2114.417+/-348.698 χ^2/NDF:42.5/39

Out: 990.996+/-344.116 χ^2/NDF:51.3/43

All: 1545.277+/-244.931 χ^2/NDF: 99.1/83

dit_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1700.707+/-0.444 χ^2/NDF: 135443.0/16

Left Out: 1797.909+/-0.296 χ^2/NDF:98002.1/23

Right Out: 1756.098+/-0.428 χ^2/NDF: 249093.1/19

Left In: 1792.450+/-0.296 χ^2/NDF:92875.2/22

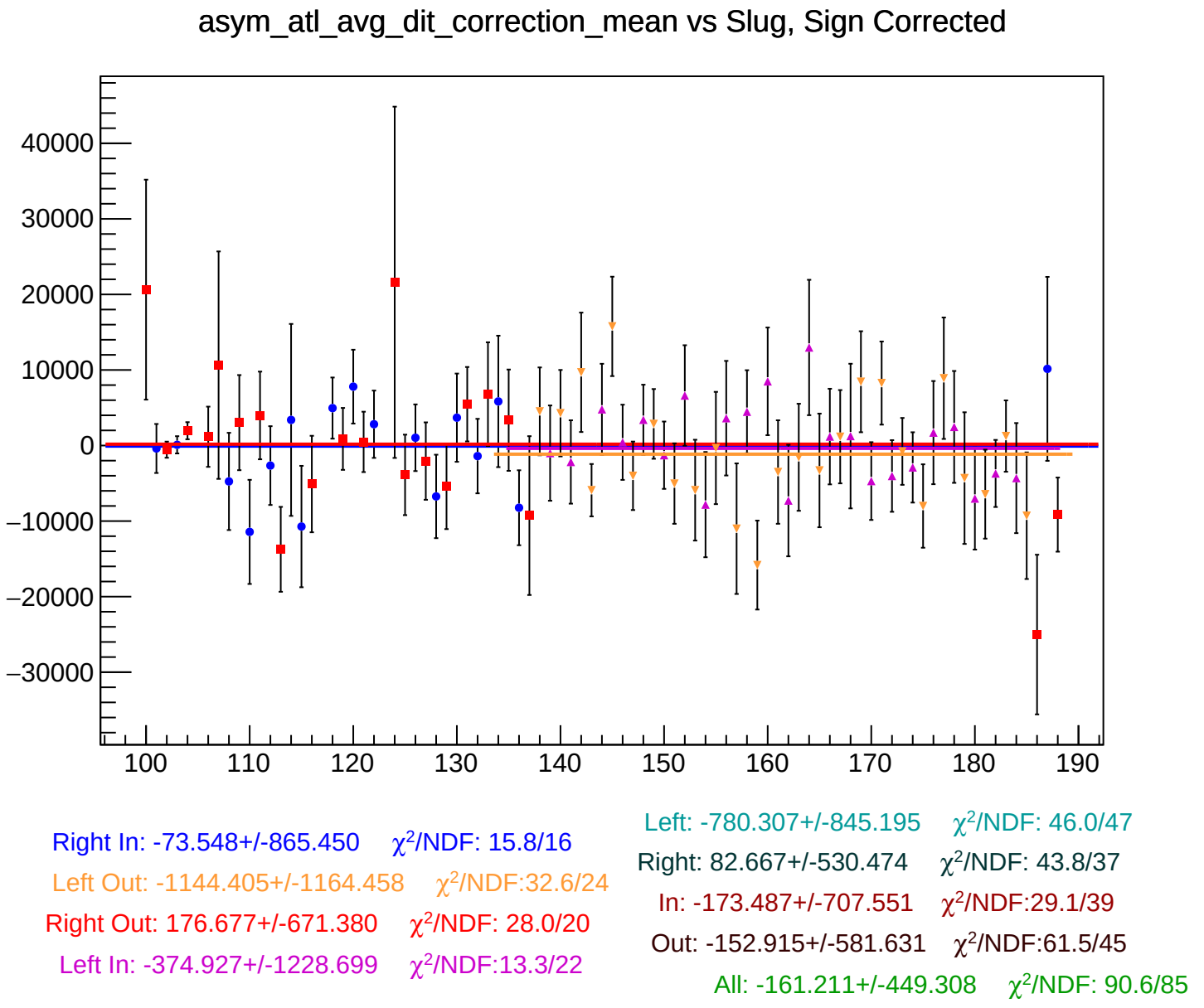
Left: 1795.187+/-0.209 χ^2/NDF: 191047.3/46

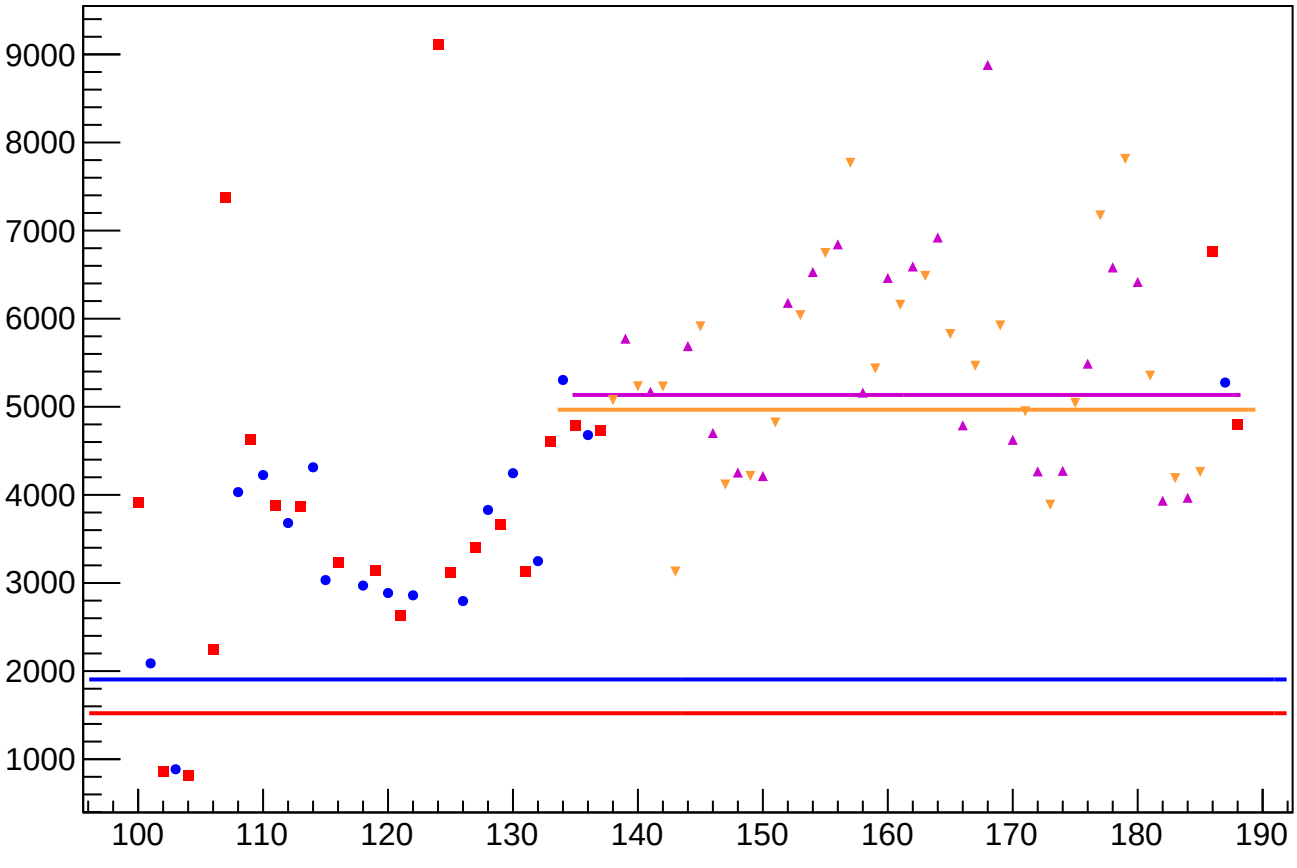
Right: 1729.455+/-0.308 χ^2/NDF: 392603.6/36

In: 1764.193+/-0.247 χ^2/NDF:257826.4/39

Out: 1784.393+/-0.243 χ^2/NDF:353562.7/43

All: 1774.433+/-0.173 χ^2/NDF: 614791.4/83


asym_atl_avg_dit_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
160
170
180
190
Right In: -73.548+/-865.450 χ²/NDF: 15.8/16
Left Out: -1144.405+/-1164.458 χ²/NDF:32.6/24
Right Out: 176.677+/-671.380 χ²/NDF: 28.0/20
Left In: -374.927+/-1228.699 χ²/NDF:13.3/22
Left: -780.307+/-845.195 χ²/NDF: 46.0/47
Right: 82.667+/-530.474 χ²/NDF: 43.8/37
In: -173.487+/-707.551 χ²/NDF:29.1/39
Out: -152.915+/-581.631 χ²/NDF:61.5/45
All: -161.211+/-449.308 χ²/NDF: 90.6/85



Right In: 1905.114+/-0.612 χ^2/NDF: 4579698.3/16

Left Out: 4966.879+/-0.823 χ^2/NDF:1917937.7/24

Right Out: 1521.638+/-0.475 χ^2/NDF: 7381844.3/20

Left In: 5134.445+/-0.869 χ^2/NDF:1487075.9/22

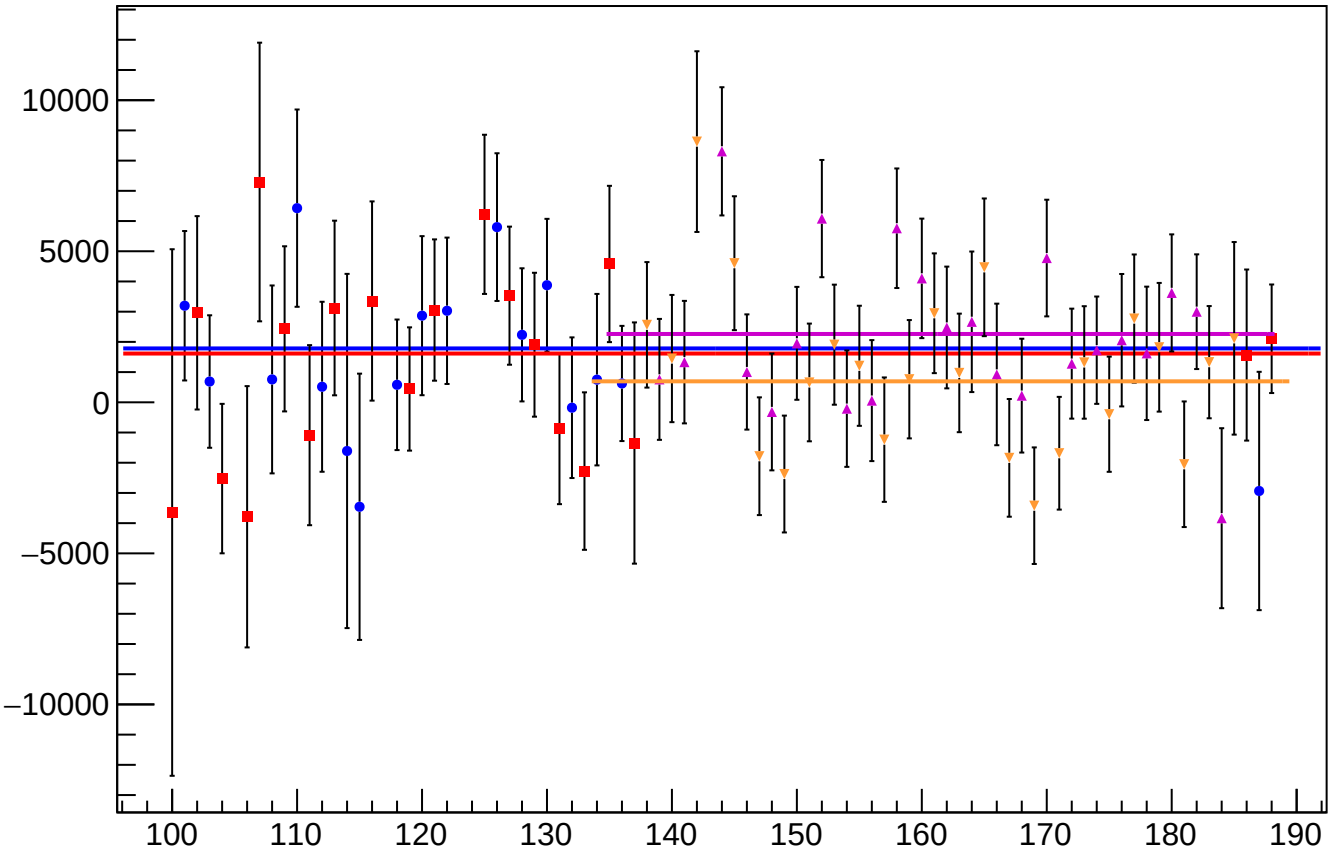
Left: 5046.167+/-0.598 χ^2/NDF: 3424610.1/47

Right: 1665.711+/-0.375 χ^2/NDF: 12206681.8/37

In: 2975.984+/-0.500 χ^2/NDF:15300893.7/39

Out: 2381.179+/-0.411 χ^2/NDF:22439312.5/45

All: 2621.034+/-0.318 χ^2/NDF: 38583651.4/8



Right In: 1783.360+/-628.307 χ^2/NDF: 11.7/16

Left Out: 694.313+/-418.051 χ^2/NDF:32.2/23

Right Out: 1614.439+/-606.016 χ^2/NDF: 17.5/19

Left In: 2261.767+/-419.177 χ^2/NDF:30.4/22

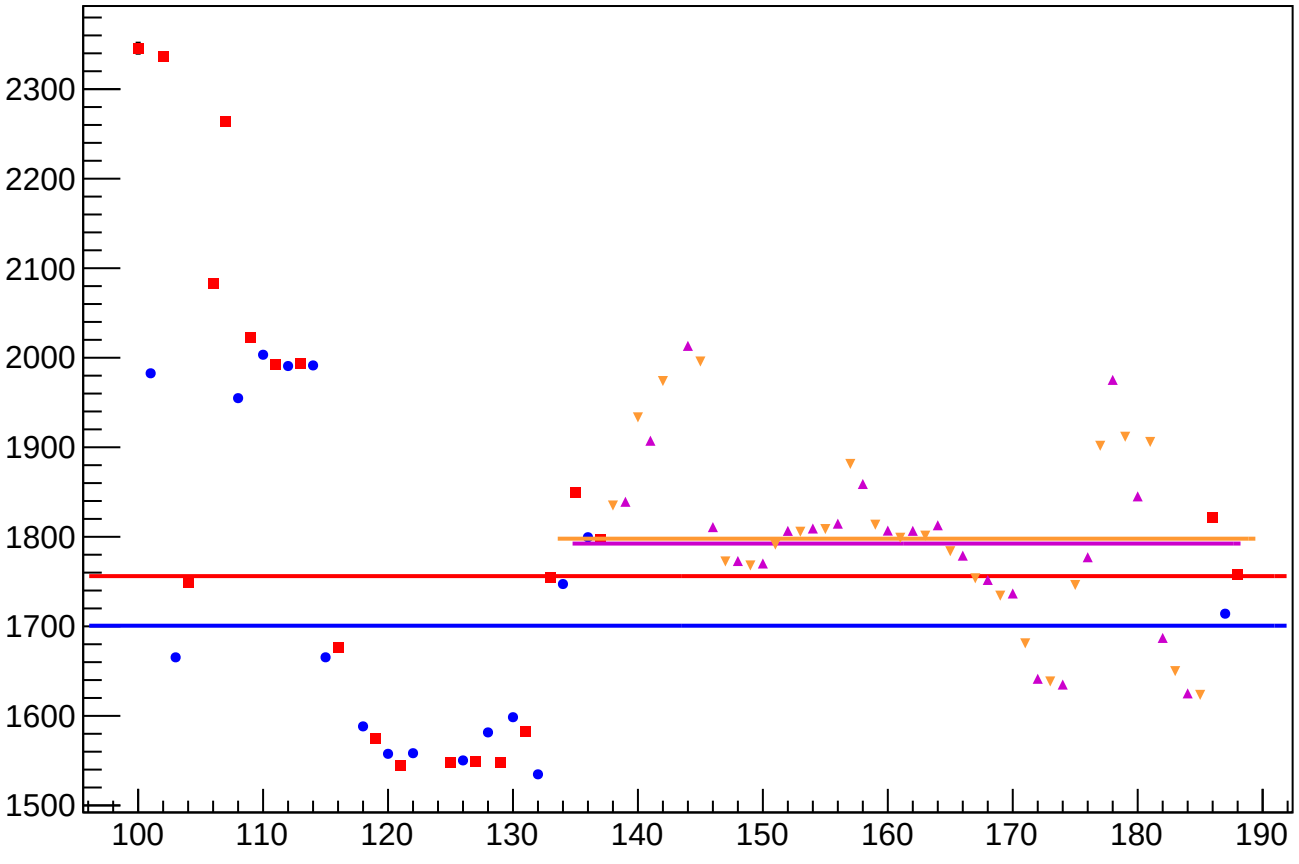
Left: 1475.932+/-296.004 χ^2/NDF: 69.6/46

Right: 1695.850+/-436.186 χ^2/NDF: 29.3/36

In: 2114.416+/-348.698 χ^2/NDF:42.5/39

Out: 990.993+/-344.116 χ^2/NDF:51.3/43

All: 1545.275+/-244.931 χ^2/NDF: 99.1/83



Right In: 1700.706+/-0.444 χ^2/NDF: 135443.2/16

Left Out: 1797.911+/-0.296 χ^2/NDF:98005.5/23

Right Out: 1756.097+/-0.428 χ^2/NDF: 249092.6/19

Left In: 1792.451+/-0.296 χ^2/NDF:92878.6/22

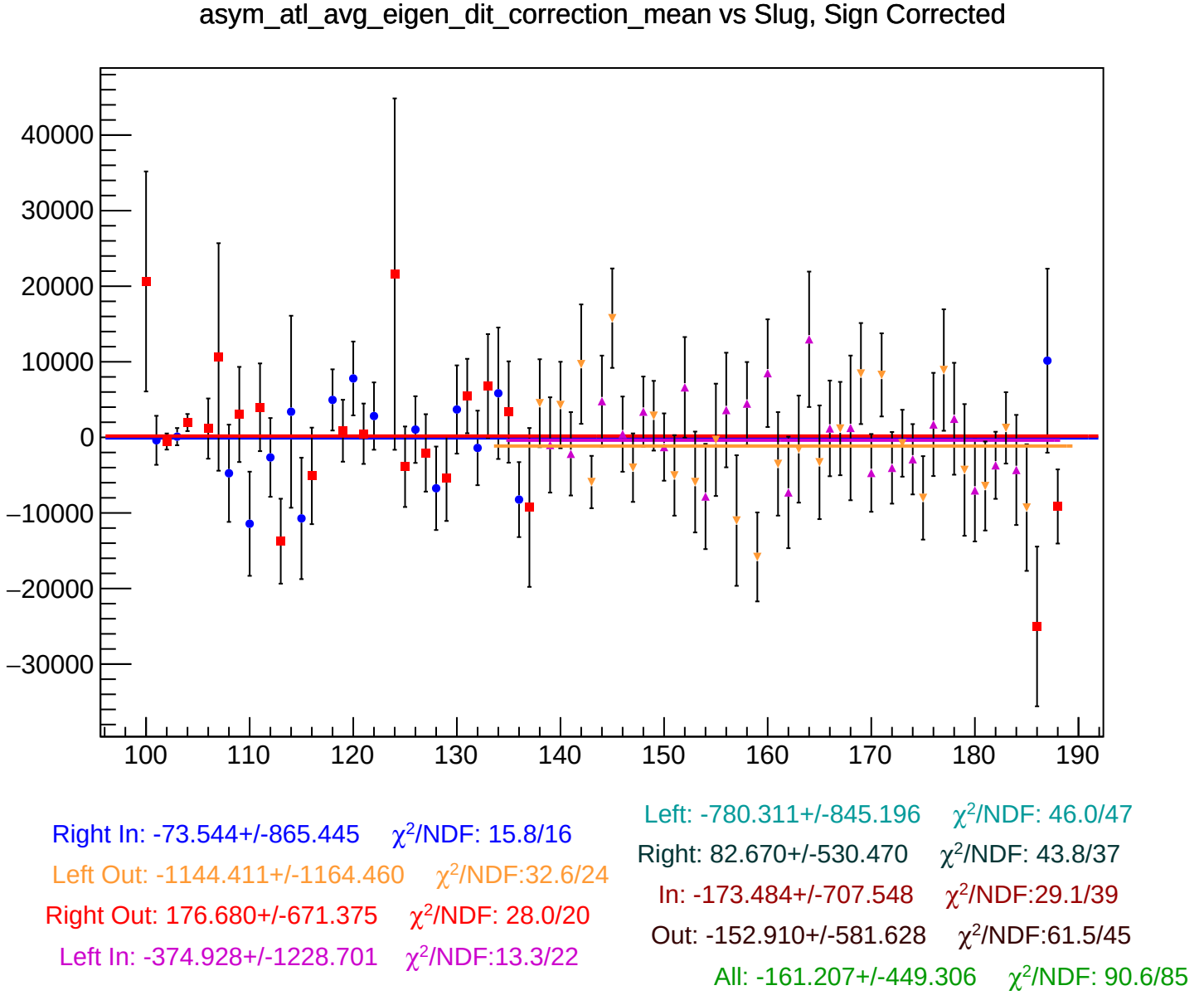
Left: 1795.188+/-0.209 χ^2/NDF: 191054.1/46

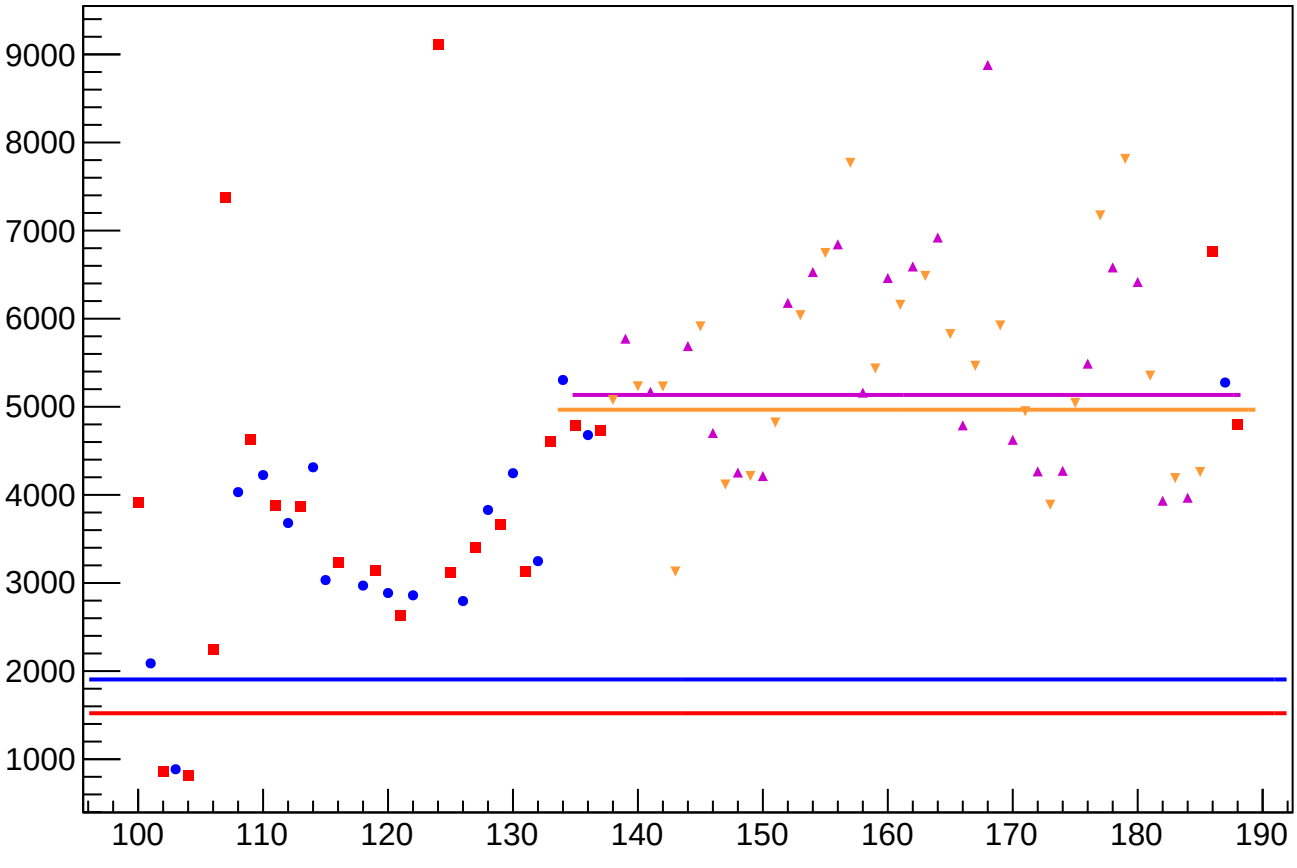
Right: 1729.455+/-0.308 χ^2/NDF: 392603.3/36

In: 1764.194+/-0.247 χ^2/NDF:257830.9/39

Out: 1784.394+/-0.243 χ^2/NDF:353566.1/43

All: 1774.433+/-0.173 χ^2/NDF: 614799.3/83


asym_atl_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
160
170
180
190
Right In: -73.544+/-865.445 χ²/NDF: 15.8/16
Left Out: -1144.411+/-1164.460 χ²/NDF:32.6/24
Right Out: 176.680+/-671.375 χ²/NDF: 28.0/20
Left In: -374.928+/-1228.701 χ²/NDF:13.3/22
Left: -780.311+/-845.196 χ²/NDF: 46.0/47
Right: 82.670+/-530.470 χ²/NDF: 43.8/37
In: -173.484+/-707.548 χ²/NDF:29.1/39
Out: -152.910+/-581.628 χ²/NDF:61.5/45
All: -161.207+/-449.306 χ²/NDF: 90.6/85



Right In: 1905.097+/-0.612 χ^2/NDF: 4579737.2/16

Left Out: 4966.886+/-0.823 χ^2/NDF:1917943.9/24

Right Out: 1521.624+/-0.475 χ^2/NDF: 7381890.1/20

Left In: 5134.453+/-0.869 χ^2/NDF:1487077.8/22

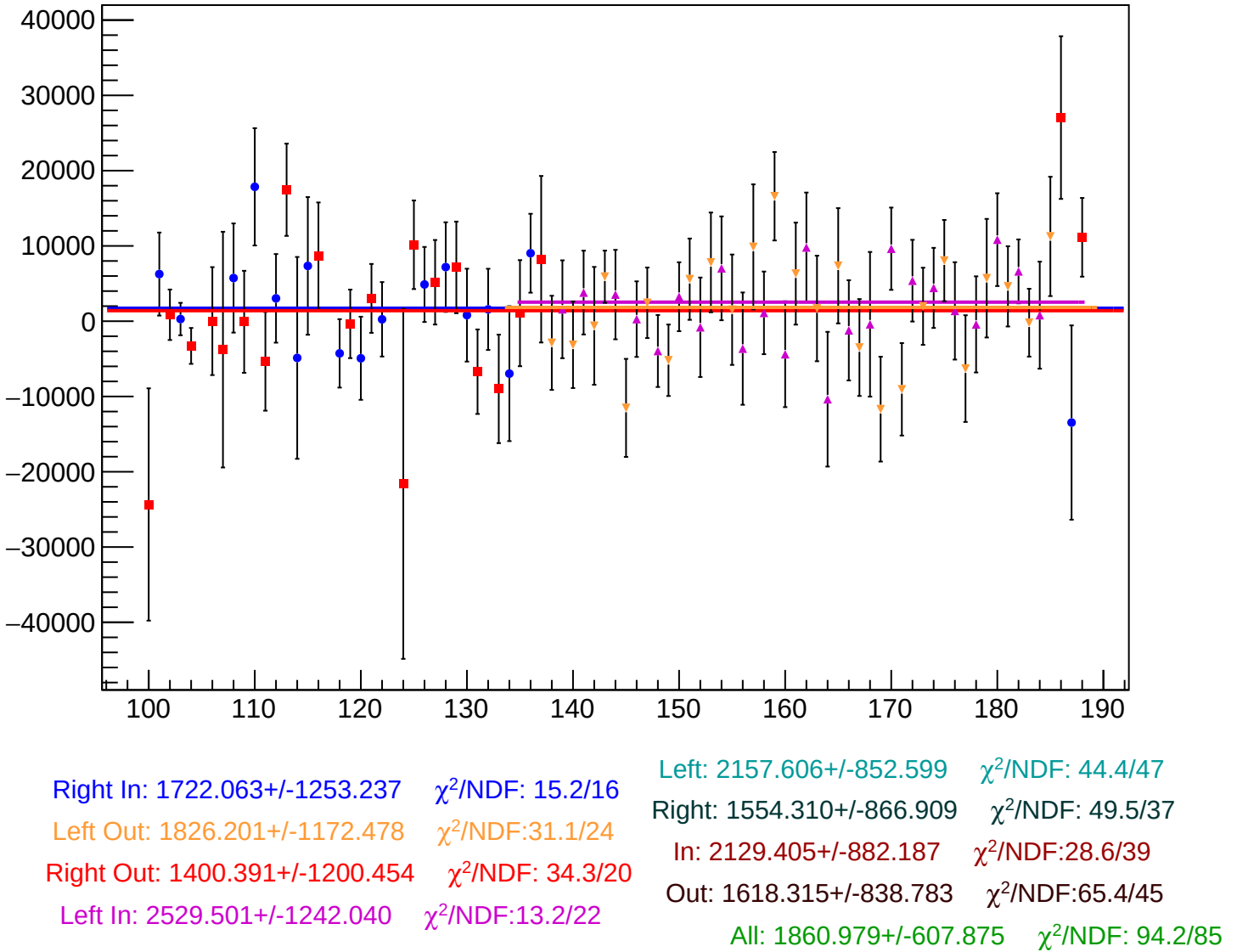
Left: 5046.175+/-0.598 χ^2/NDF: 3424618.3/47

Right: 1665.695+/-0.375 χ^2/NDF: 12206767.1/37

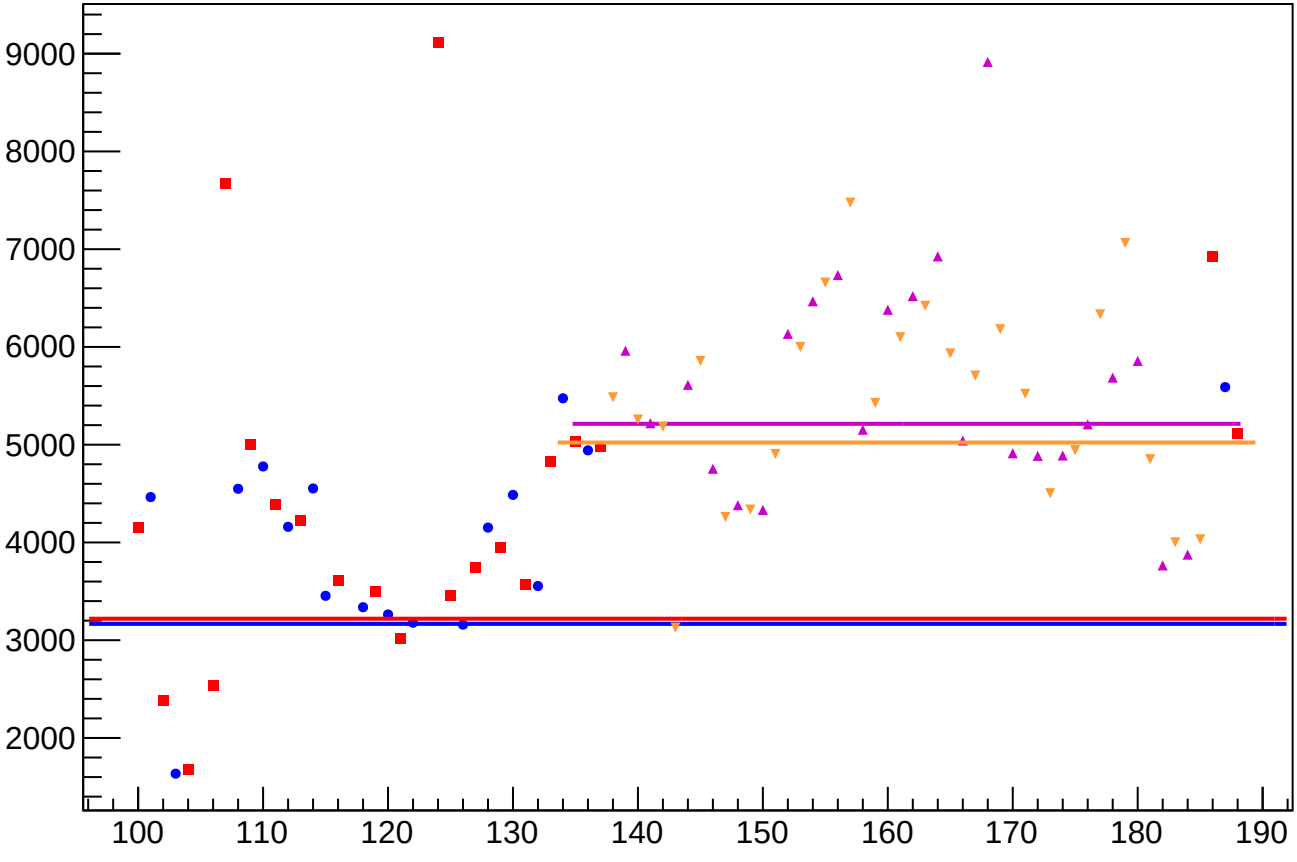
In: 2975.964+/-0.500 χ^2/NDF:15301096.7/39

Out: 2381.159+/-0.411 χ^2/NDF:22439547.9/45

All: 2621.013+/-0.318 χ^2/NDF: 38584098.3/8


asym_atl_avg_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
160
170
180
190
Right In: 1722.063+/-1253.237 χ²/NDF: 15.2/16
Left Out: 1826.201+/-1172.478 χ²/NDF:31.1/24
Right Out: 1400.391+/-1200.454 χ²/NDF: 34.3/20
Left In: 2529.501+/-1242.040 χ²/NDF:13.2/22
Left: 2157.606+/-852.599 χ²/NDF: 44.4/47
Right: 1554.310+/-866.909 χ²/NDF: 49.5/37
In: 2129.405+/-882.187 χ²/NDF:28.6/39
Out: 1618.315+/-838.783 χ²/NDF:65.4/45
All: 1860.979+/-607.875 χ²/NDF: 94.2/85

asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 3167.190+/-0.886 χ^2/NDF: 1954237.8/16

Left Out: 5022.407+/-0.829 χ^2/NDF:1676611.8/24

Right Out: 3220.068+/-0.836 χ^2/NDF: 2410293.3/20

Left In: 5213.625+/-0.878 χ^2/NDF:1223192.9/22

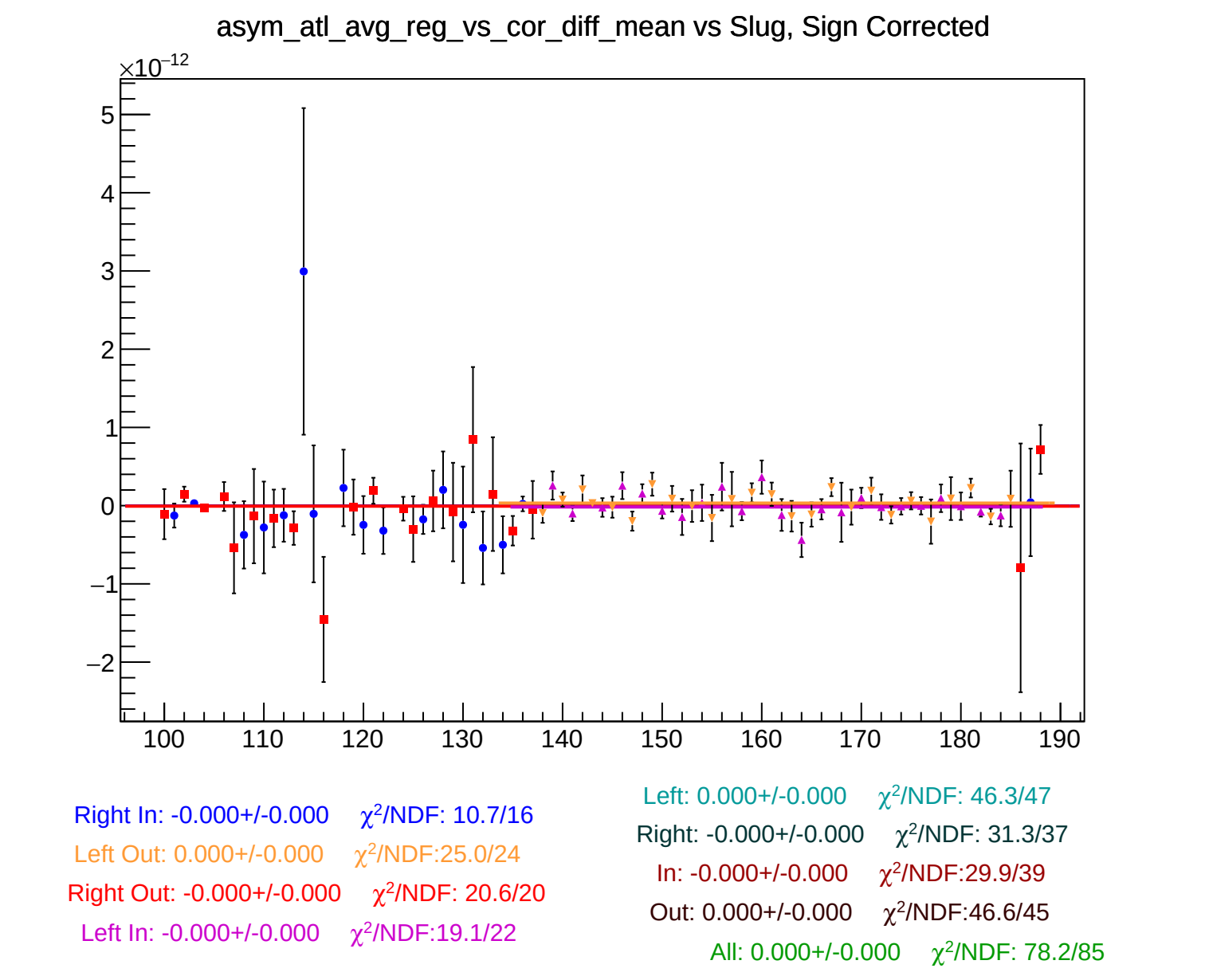
Left: 5112.512+/-0.603 χ^2/NDF: 2924871.4/47

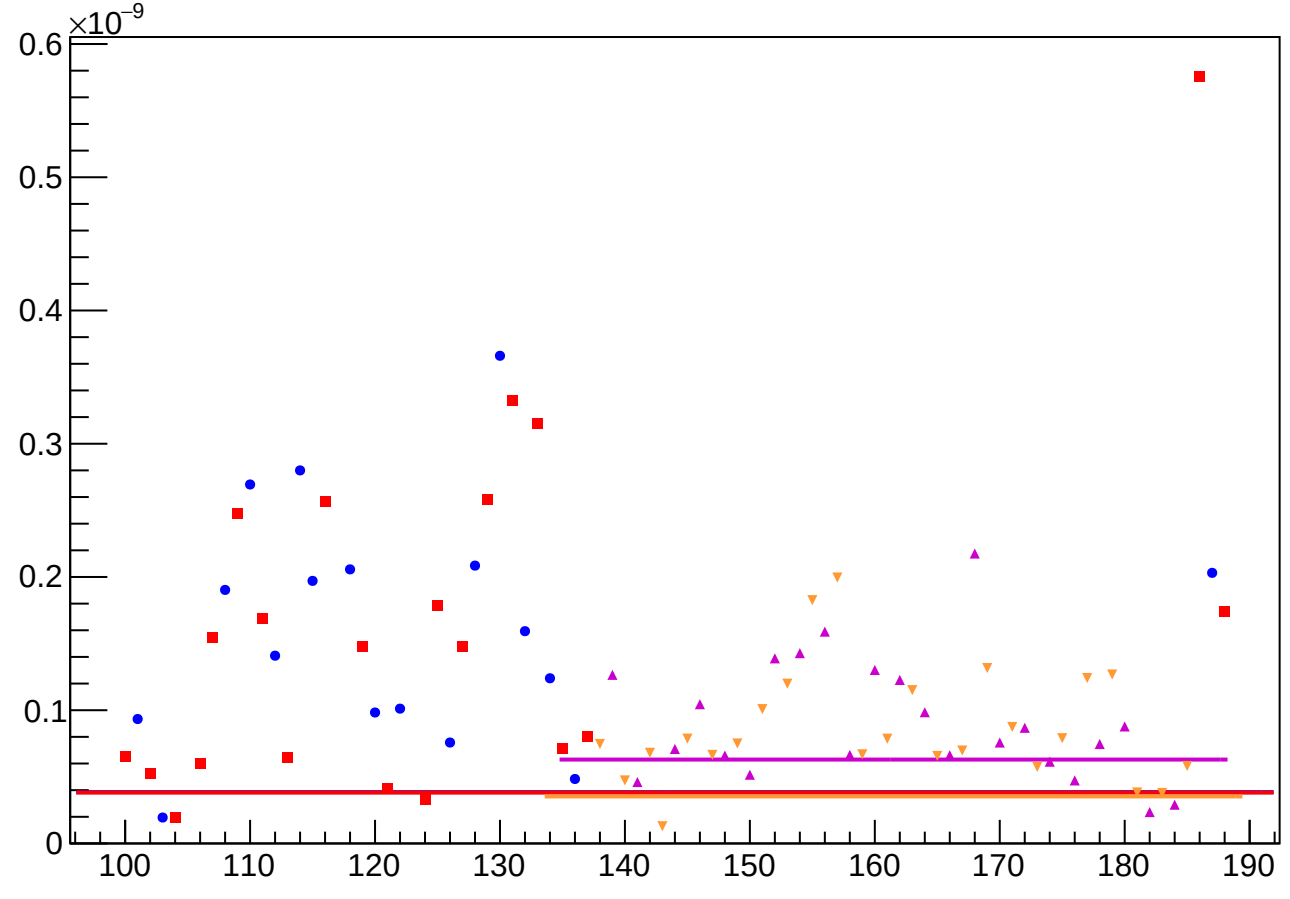
Right: 3195.153+/-0.608 χ^2/NDF: 4366414.0/37

In: 4199.588+/-0.624 χ^2/NDF:5867792.3/39

Out: 4129.242+/-0.589 χ^2/NDF:6428914.8/45

All: 4162.389+/-0.428 χ^2/NDF: 12303432.1/8


asym_atl_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
5
4
3
2
1
0
−1
−2
100
110
120
130
140
150
160
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 10.7/16
Left Out: 0.000+/-0.000 χ²/NDF:25.0/24
Right Out: -0.000+/-0.000 χ²/NDF: 20.6/20
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: 31.3/37
In: -0.000+/-0.000 χ²/NDF:29.9/39
Out: 0.000+/-0.000 χ²/NDF:46.6/45
All: 0.000+/-0.000 χ²/NDF: 78.2/85



Right In: 0.000+/-0.000 χ^2/NDF: 3003464.3/16

Left Out: 0.000+/-0.000 χ^2/NDF:6511119.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3294520.9/20

Left In: 0.000+/-0.000 χ^2/NDF:2934305.1/22

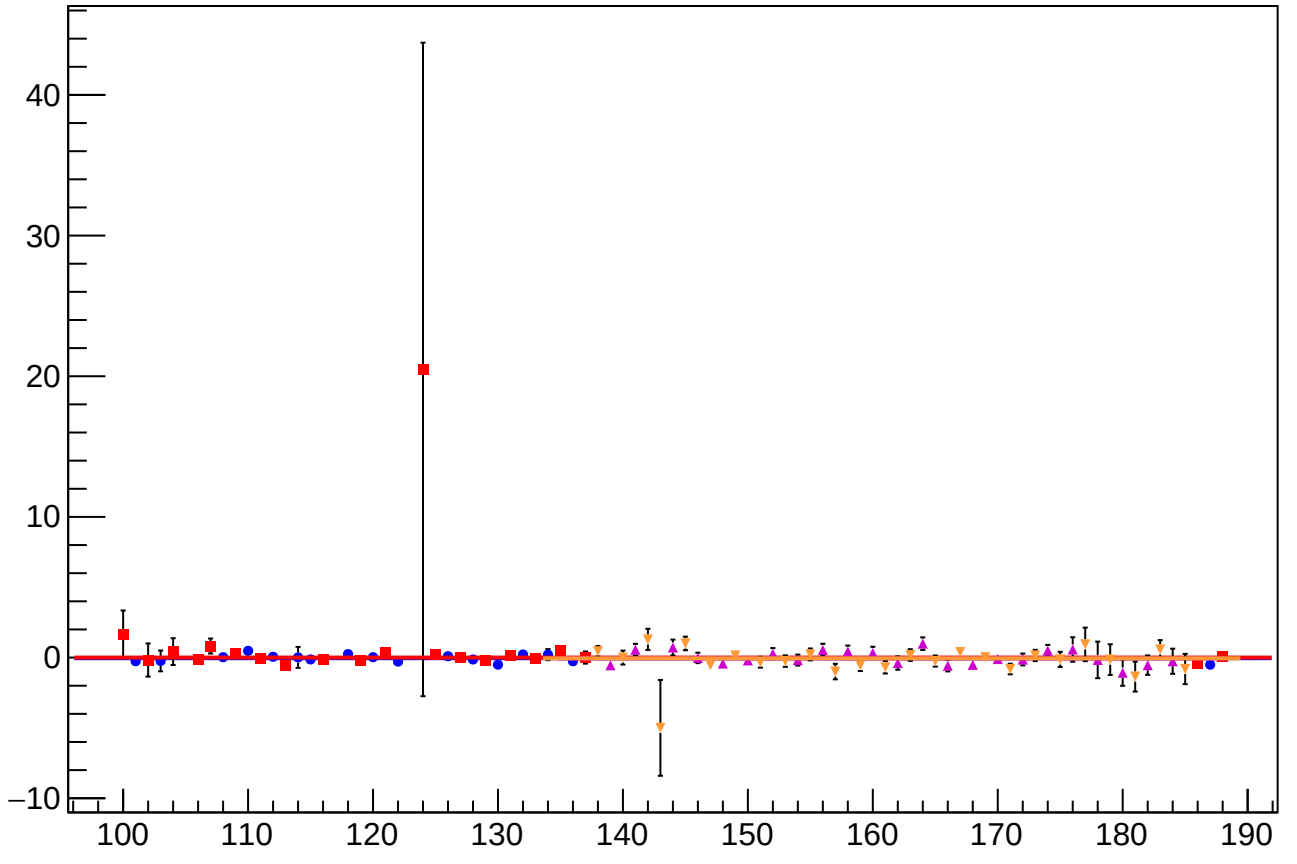
Left: 0.000+/-0.000 χ^2/NDF: 10839622.8/47

Right: 0.000+/-0.000 χ^2/NDF: 6298043.7/37

In: 0.000+/-0.000 χ^2/NDF:6563210.8/39

Out: 0.000+/-0.000 χ^2/NDF:9818255.7/45

All: 0.000+/-0.000 χ^2/NDF: 17211436.7/85



Right In: -0.044+/-0.057 χ^2/NDF: 19.4/16

Left Out: -0.054+/-0.085 χ^2/NDF:33.1/24

Right Out: 0.001+/-0.048 χ^2/NDF: 26.1/20

Left In: -0.063+/-0.083 χ^2/NDF:28.0/22

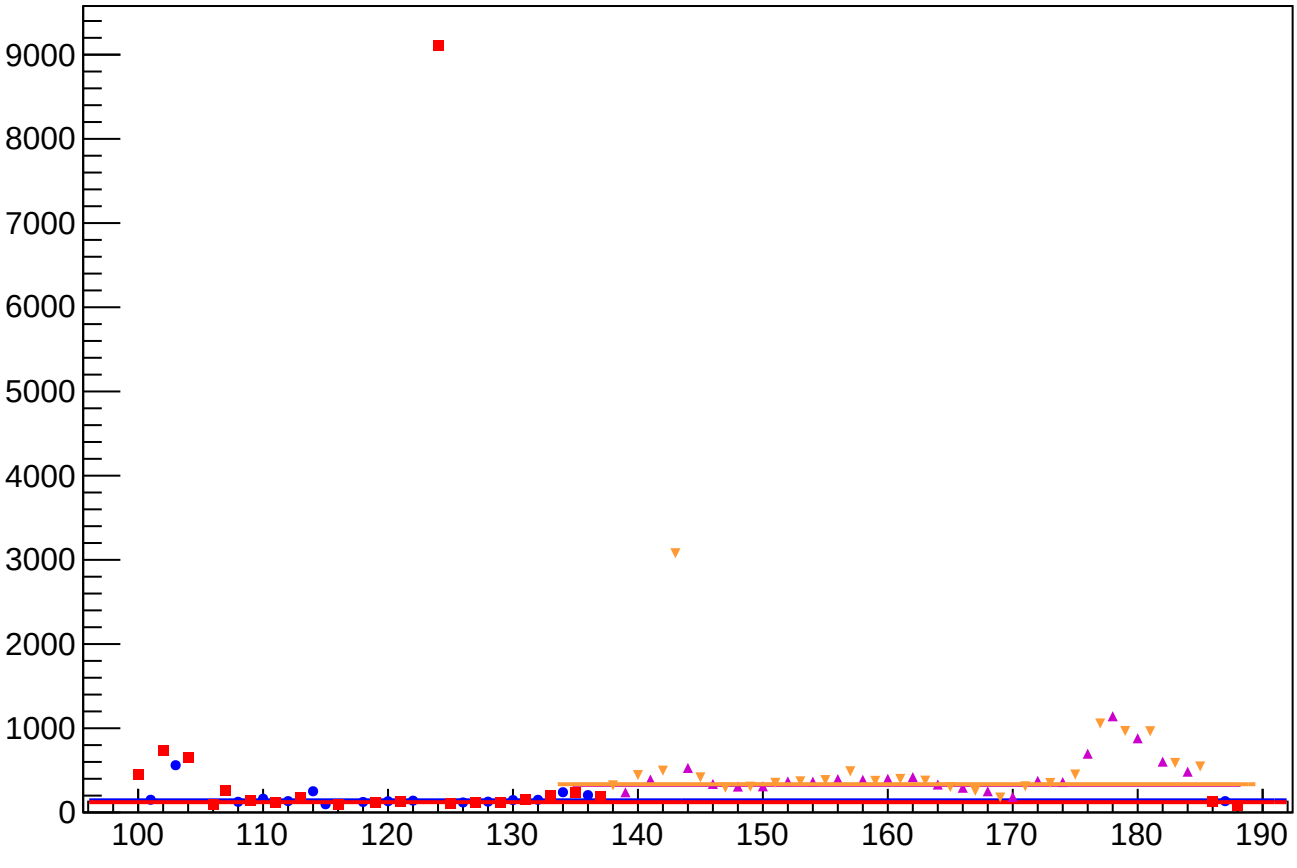
Left: -0.059+/-0.059 χ^2/NDF: 61.1/47

Right: -0.017+/-0.037 χ^2/NDF: 45.8/37

In: -0.050+/-0.047 χ^2/NDF:47.4/39

Out: -0.012+/-0.041 χ^2/NDF:59.5/45

All: -0.029+/-0.031 χ^2/NDF: 107.3/85



Right In: 143.985+/-0.040 χ^2/NDF: 1130563.7/16

Left Out: 335.166+/-0.060 χ^2/NDF:5852083.8/24

Right Out: 122.103+/-0.034 χ^2/NDF: 2563295.0/20

Left In: 327.572+/-0.059 χ^2/NDF:4153081.9/22

Left: 331.284+/-0.042 χ^2/NDF: 10013400.4/47

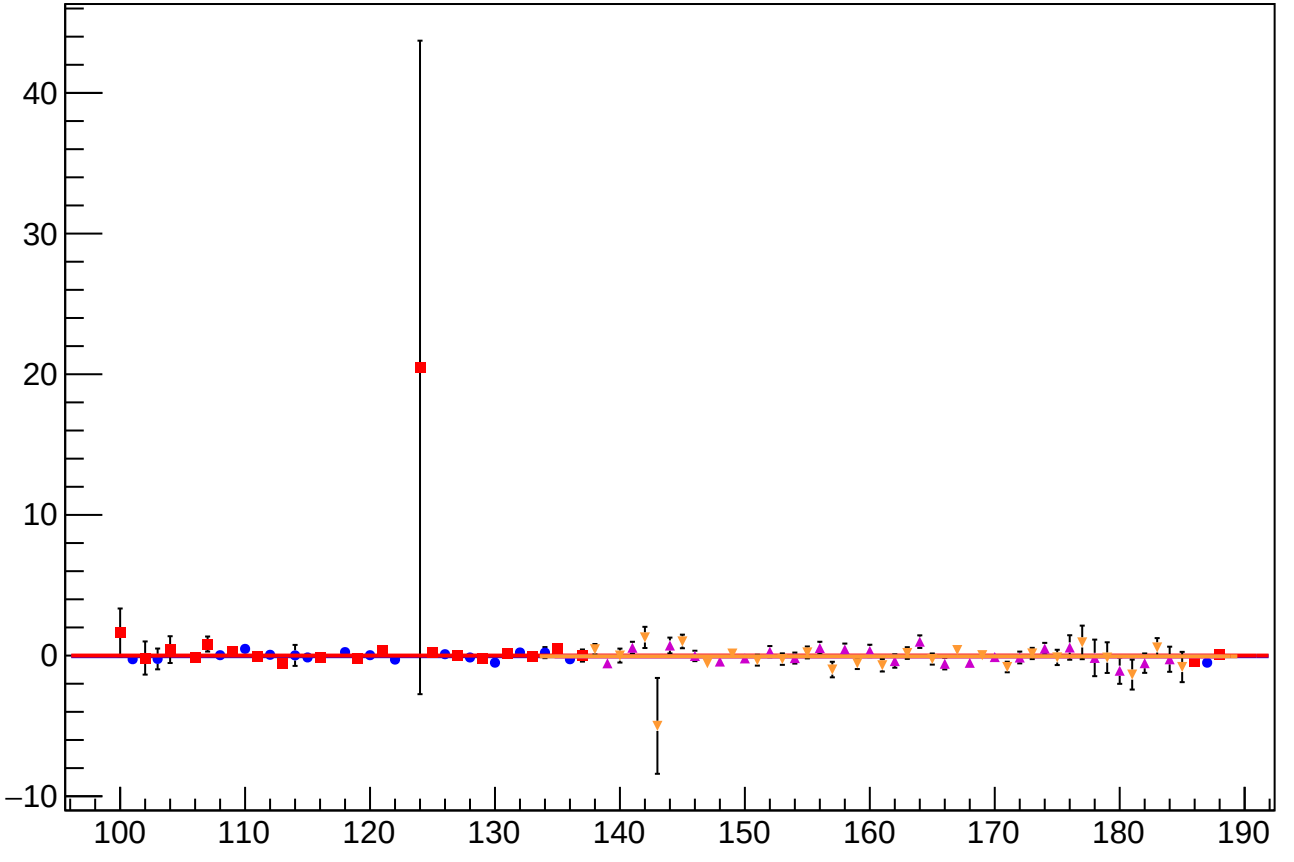
Right: 131.112+/-0.026 χ^2/NDF: 3867782.0/37

In: 202.954+/-0.033 χ^2/NDF:11967556.8/39

Out: 173.348+/-0.029 χ^2/NDF:18047507.9/45

All: 186.350+/-0.022 χ^2/NDF: 30462176.6/85

asym_atl_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.044+/-0.057 χ^2/NDF: 19.4/16

Left Out: -0.054+/-0.085 χ^2/NDF:33.1/24

Right Out: 0.001+/-0.048 χ^2/NDF: 26.1/20

Left In: -0.063+/-0.083 χ^2/NDF:28.0/22

Left: -0.059+/-0.059 χ^2/NDF: 61.1/47

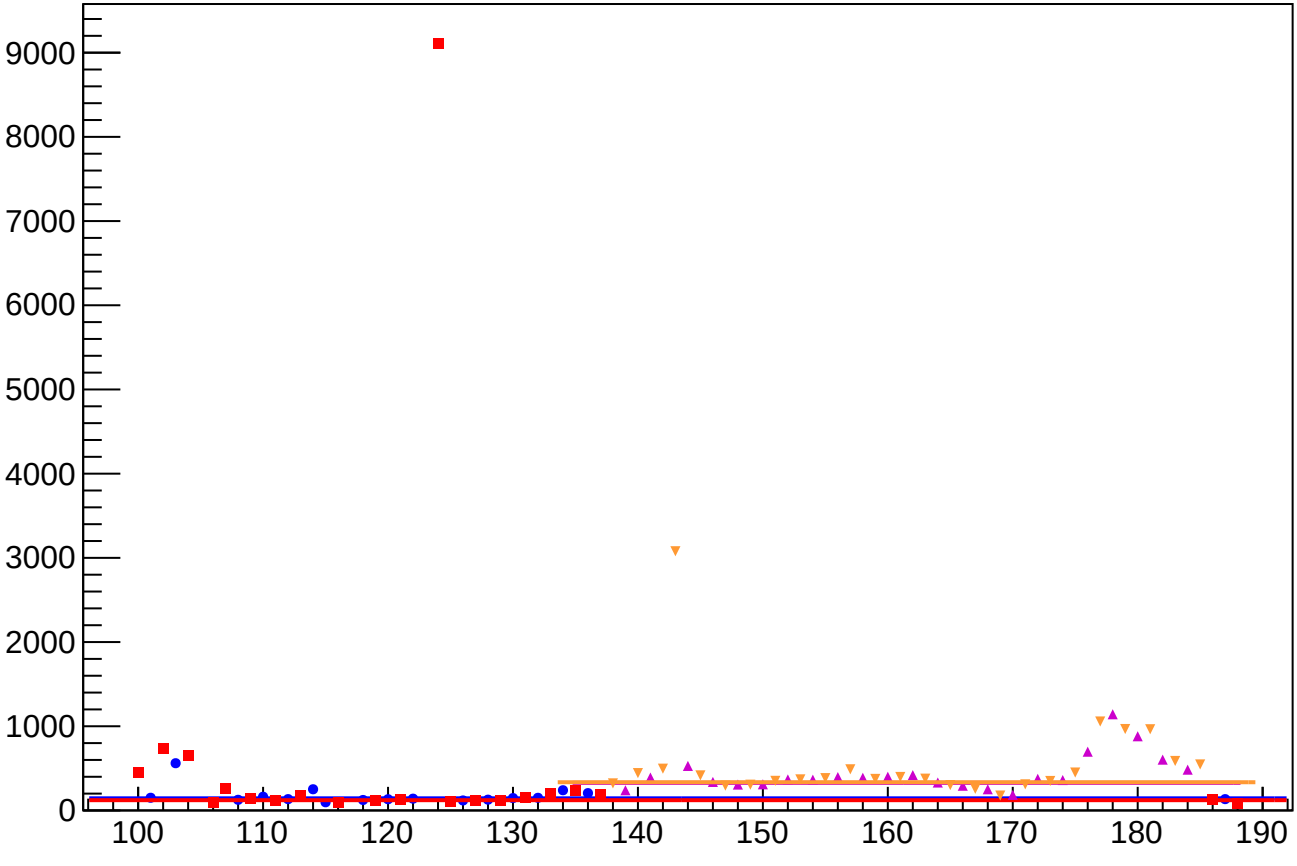
Right: -0.017+/-0.037 χ^2/NDF: 45.8/37

In: -0.050+/-0.047 χ^2/NDF:47.4/39

Out: -0.012+/-0.041 χ^2/NDF:59.5/45

All: -0.029+/-0.031 χ^2/NDF: 107.3/85

asym_atl_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 143.985+/-0.040 χ^2/NDF: 1130563.7/16

Left Out: 335.166+/-0.060 χ^2/NDF:5852083.8/24

Right Out: 122.103+/-0.034 χ^2/NDF: 2563295.0/20

Left In: 327.572+/-0.059 χ^2/NDF:4153081.9/22

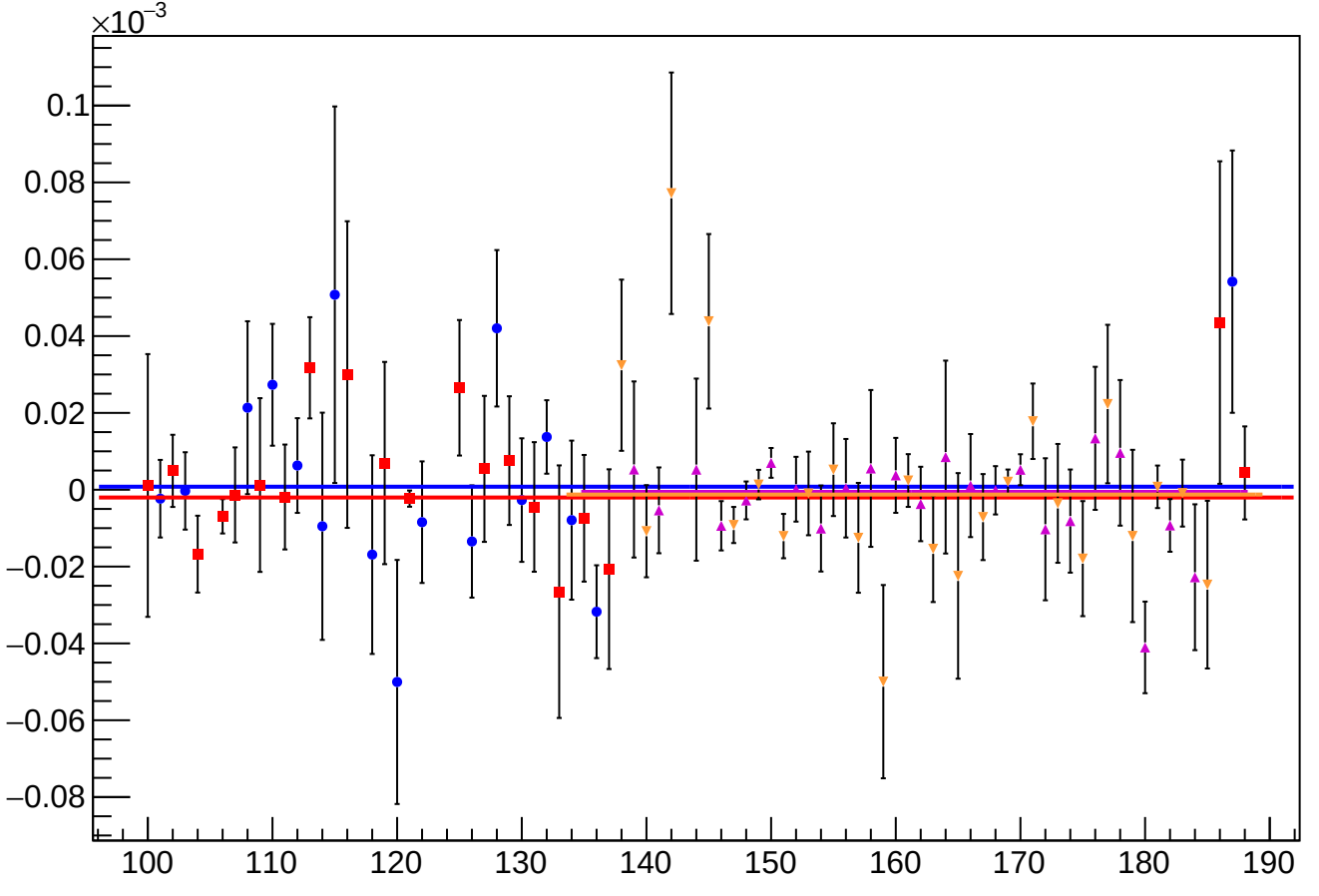
Left: 331.284+/-0.042 χ^2/NDF: 10013400.4/47

Right: 131.112+/-0.026 χ^2/NDF: 3867782.0/37

In: 202.954+/-0.033 χ^2/NDF:11967556.8/39

Out: 173.348+/-0.029 χ^2/NDF:18047507.9/45

All: 186.350+/-0.022 χ^2/NDF: 30462176.6/85



Right In: 0.000+/-0.000 χ^2/NDF: 25.3/16

Left Out: -0.000+/-0.000 χ^2/NDF:35.7/23

Right Out: -0.000+/-0.000 χ^2/NDF: 17.1/19

Left In: -0.000+/-0.000 χ^2/NDF:25.5/22

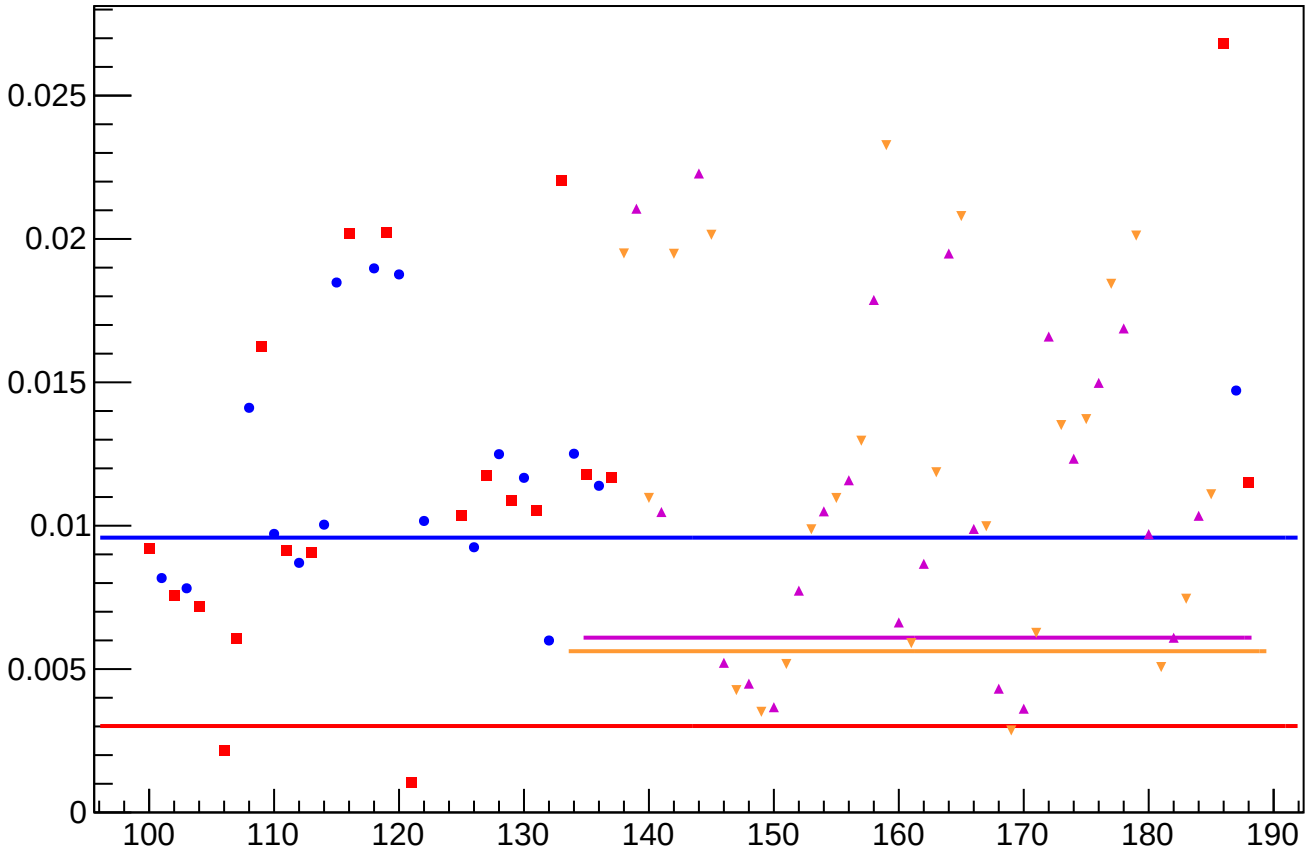
Left: -0.000+/-0.000 χ^2/NDF: 61.3/46

Right: -0.000+/-0.000 χ^2/NDF: 42.8/36

In: -0.000+/-0.000 χ^2/NDF:50.9/39

Out: -0.000+/-0.000 χ^2/NDF:52.9/43

All: -0.000+/-0.000 χ^2/NDF: 104.2/83



Right In: 0.010+/-0.000 χ^2/NDF: 1178647.5/16

Left Out: 0.006+/-0.000 χ^2/NDF:11183743.0/23

Right Out: 0.003+/-0.000 χ^2/NDF: 10223680.8/19

Left In: 0.006+/-0.000 χ^2/NDF:8798992.3/22

Left: 0.006+/-0.000 χ^2/NDF: 20062256.6/46

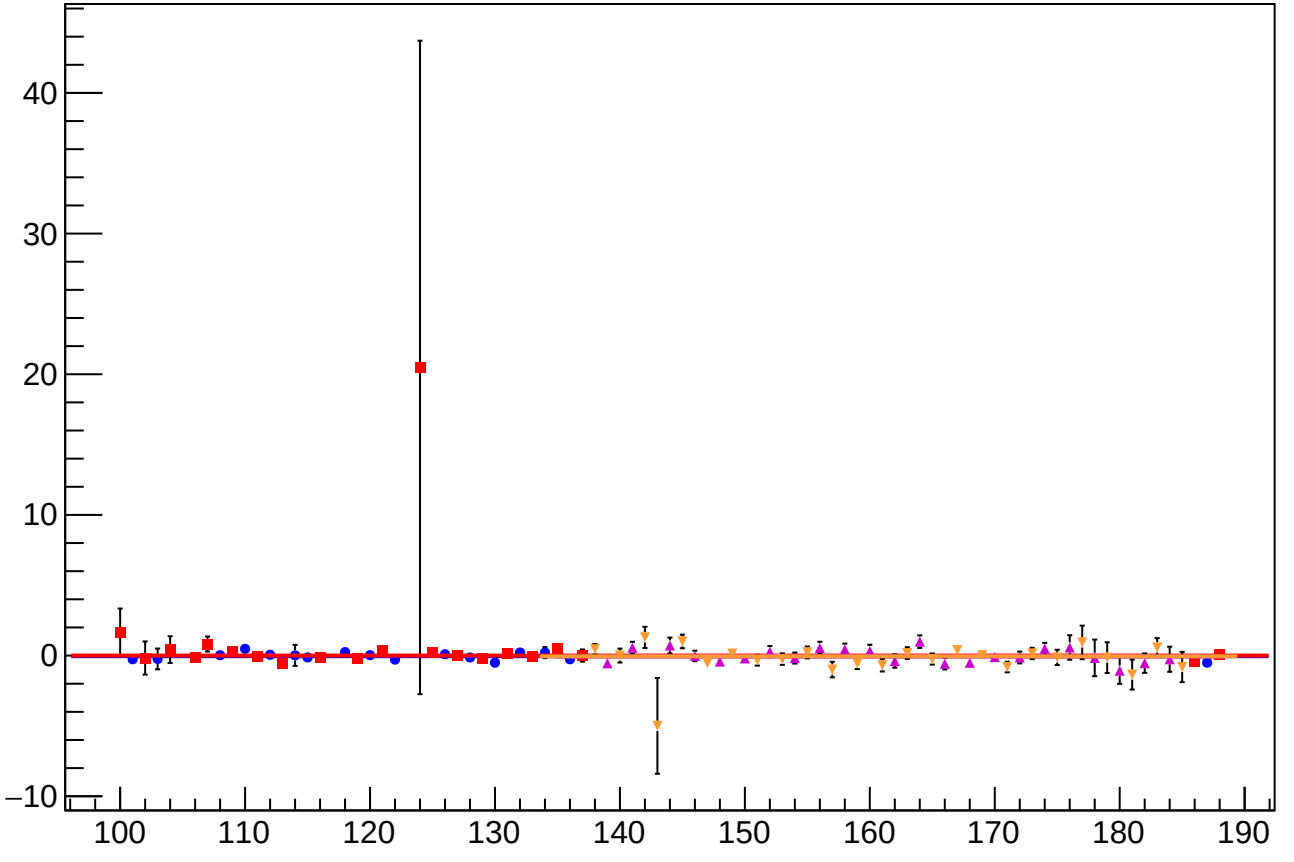
Right: 0.004+/-0.000 χ^2/NDF: 16556521.8/36

In: 0.007+/-0.000 χ^2/NDF:11422674.4/39

Out: 0.004+/-0.000 χ^2/NDF:23878372.0/43

All: 0.005+/-0.000 χ^2/NDF: 38133556.8/83

asym_atl_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.044+/-0.057 χ^2/NDF: 19.4/16

Left Out: -0.054+/-0.085 χ^2/NDF:33.1/24

Right Out: 0.001+/-0.048 χ^2/NDF: 26.1/20

Left In: -0.063+/-0.083 χ^2/NDF:28.0/22

Left: -0.059+/-0.059 χ^2/NDF: 61.1/47

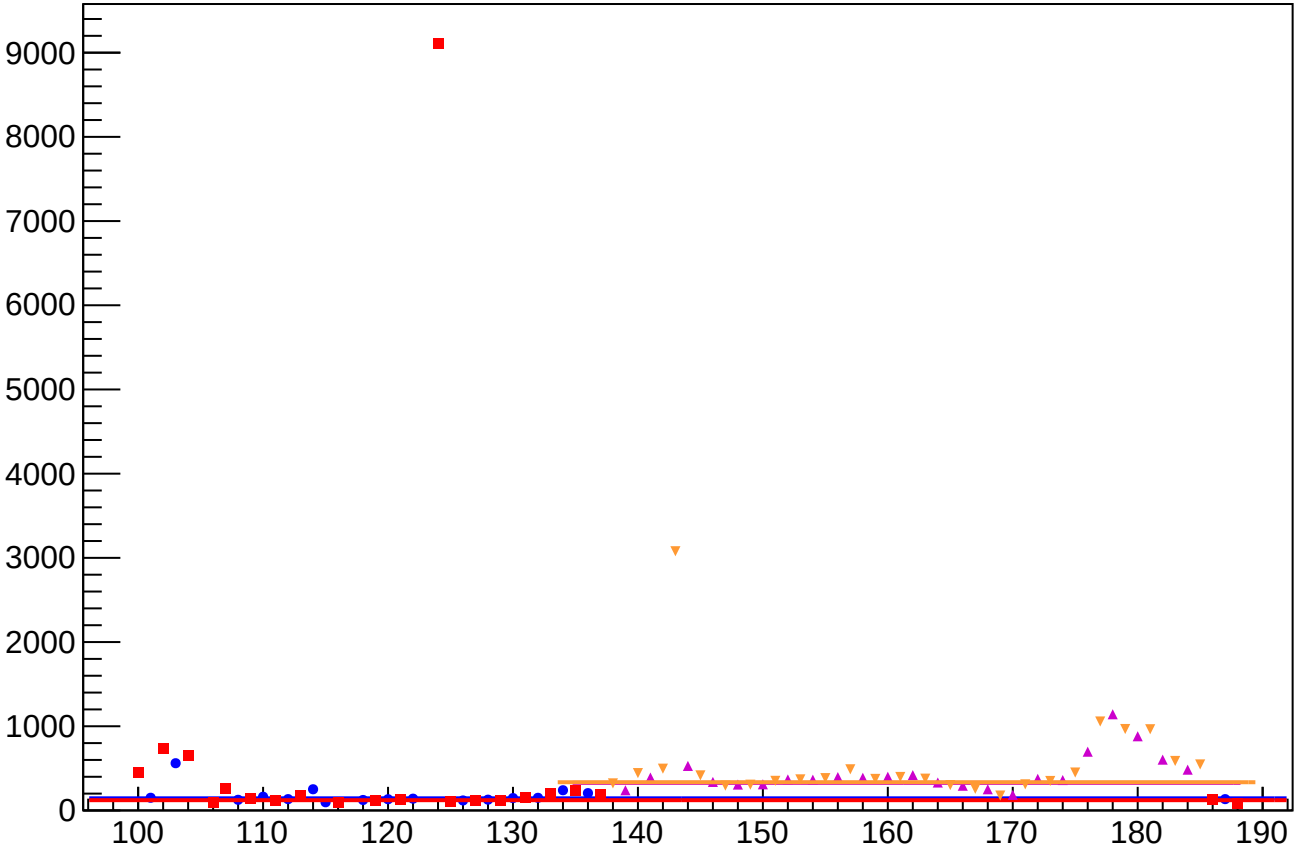
Right: -0.017+/-0.037 χ^2/NDF: 45.8/37

In: -0.050+/-0.047 χ^2/NDF:47.4/39

Out: -0.012+/-0.041 χ^2/NDF:59.5/45

All: -0.029+/-0.031 χ^2/NDF: 107.3/85

asym_atl_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 143.984+/-0.040 χ^2/NDF: 1130585.9/16

Left Out: 335.168+/-0.060 χ^2/NDF:5852151.8/24

Right Out: 122.098+/-0.034 χ^2/NDF: 2563421.4/20

Left In: 327.575+/-0.059 χ^2/NDF:4153087.6/22

Left: 331.286+/-0.042 χ^2/NDF: 10013472.2/47

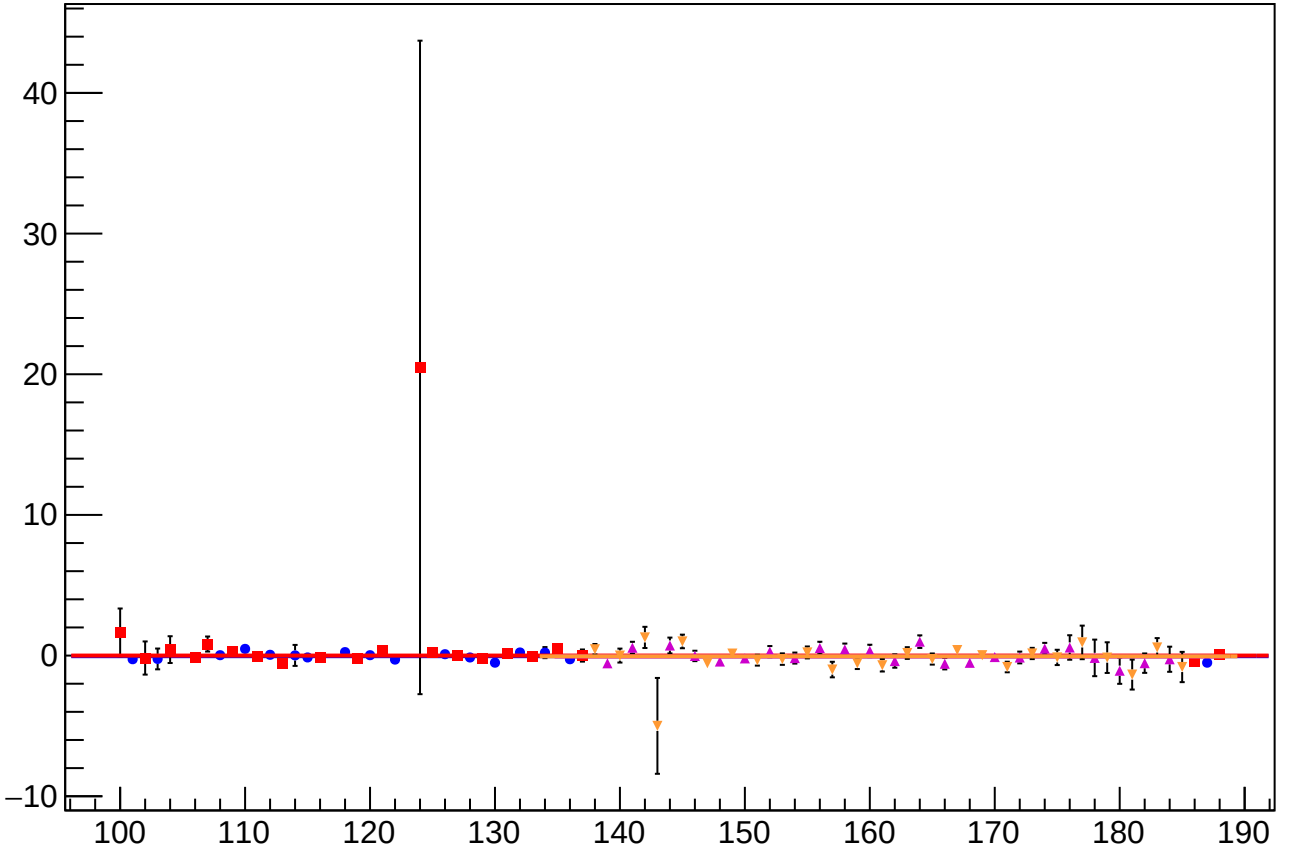
Right: 131.108+/-0.026 χ^2/NDF: 3867994.6/37

In: 202.953+/-0.033 χ^2/NDF:11967831.0/39

Out: 173.342+/-0.029 χ^2/NDF:18048373.1/45

All: 186.346+/-0.022 χ^2/NDF: 30463475.2/85

asym_atl_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.044+/-0.057 χ^2/NDF: 19.4/16

Left Out: -0.054+/-0.085 χ^2/NDF:33.1/24

Right Out: 0.001+/-0.048 χ^2/NDF: 26.1/20

Left In: -0.063+/-0.083 χ^2/NDF:28.0/22

Left: -0.059+/-0.059 χ^2/NDF: 61.1/47

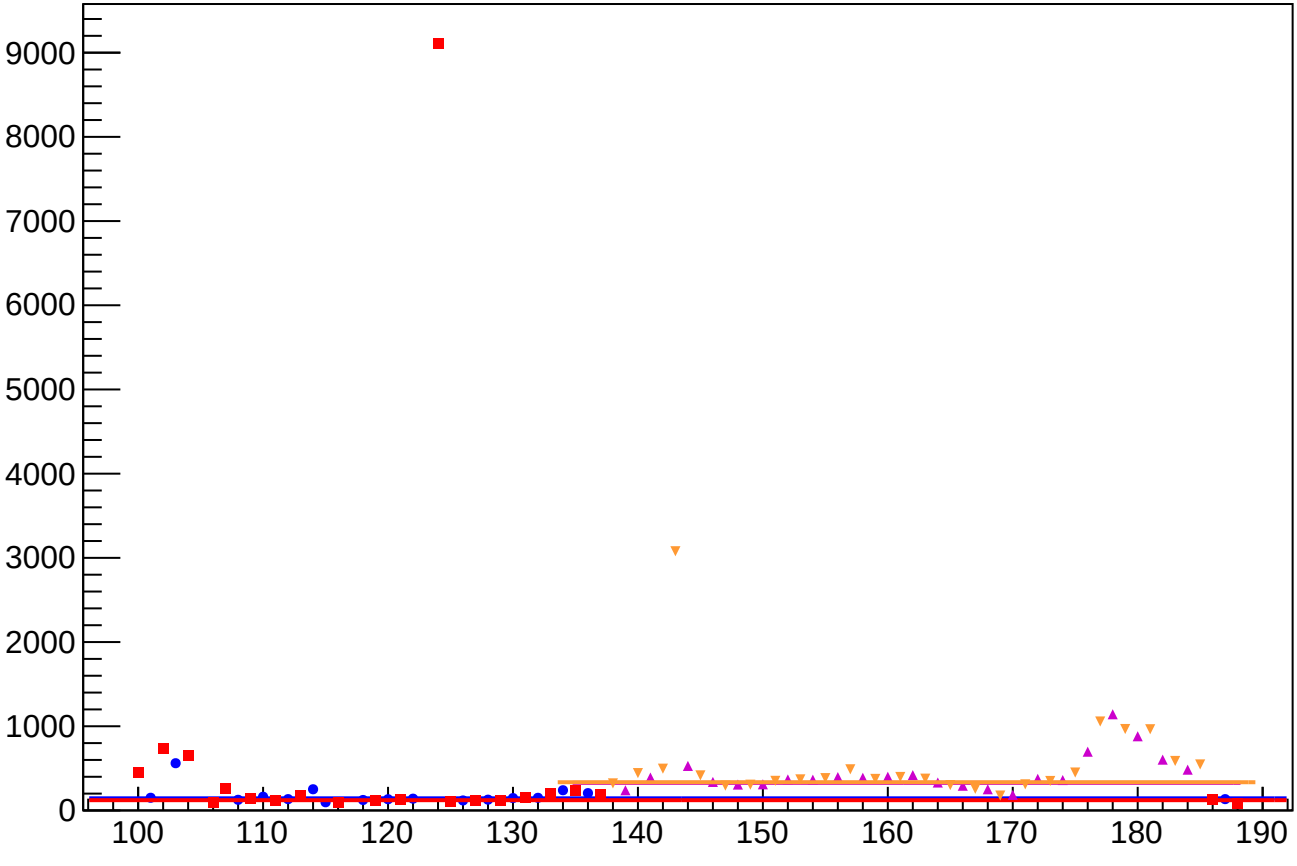
Right: -0.017+/-0.037 χ^2/NDF: 45.8/37

In: -0.050+/-0.047 χ^2/NDF:47.4/39

Out: -0.012+/-0.041 χ^2/NDF:59.5/45

All: -0.029+/-0.031 χ^2/NDF: 107.3/85

asym_atl_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 143.984+/-0.040 χ^2/NDF: 1130585.9/16

Left Out: 335.168+/-0.060 χ^2/NDF:5852151.8/24

Right Out: 122.098+/-0.034 χ^2/NDF: 2563421.4/20

Left In: 327.575+/-0.059 χ^2/NDF:4153087.6/22

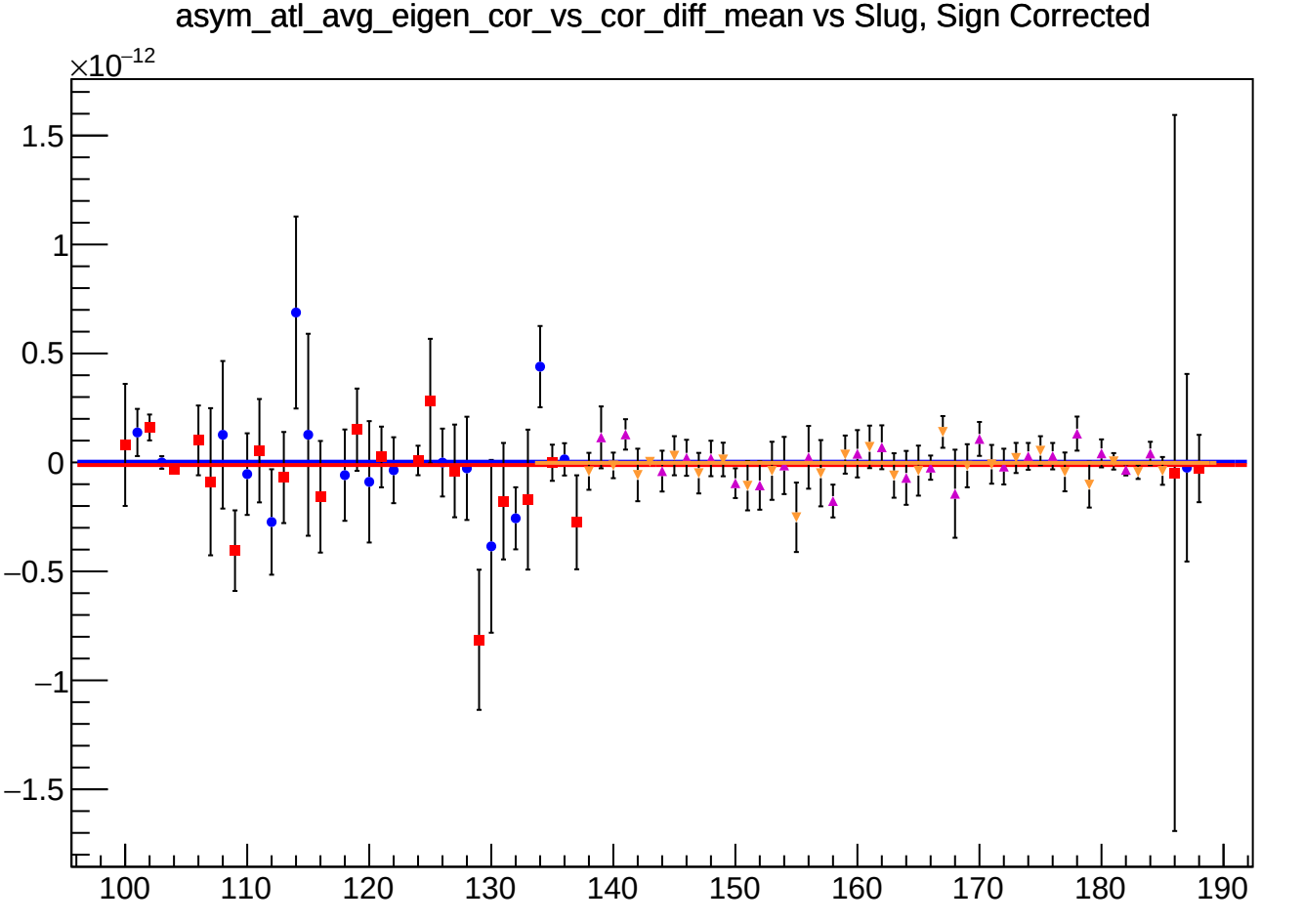
Left: 331.286+/-0.042 χ^2/NDF: 10013472.2/47

Right: 131.108+/-0.026 χ^2/NDF: 3867994.6/37

In: 202.953+/-0.033 χ^2/NDF:11967831.0/39

Out: 173.342+/-0.029 χ^2/NDF:18048373.1/45

All: 186.346+/-0.022 χ^2/NDF: 30463475.2/85



Right In: 0.000+/-0.000 χ^2/NDF: 15.6/16

Left Out: -0.000+/-0.000 χ^2/NDF:13.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 25.1/20

Left In: -0.000+/-0.000 χ^2/NDF:22.5/22

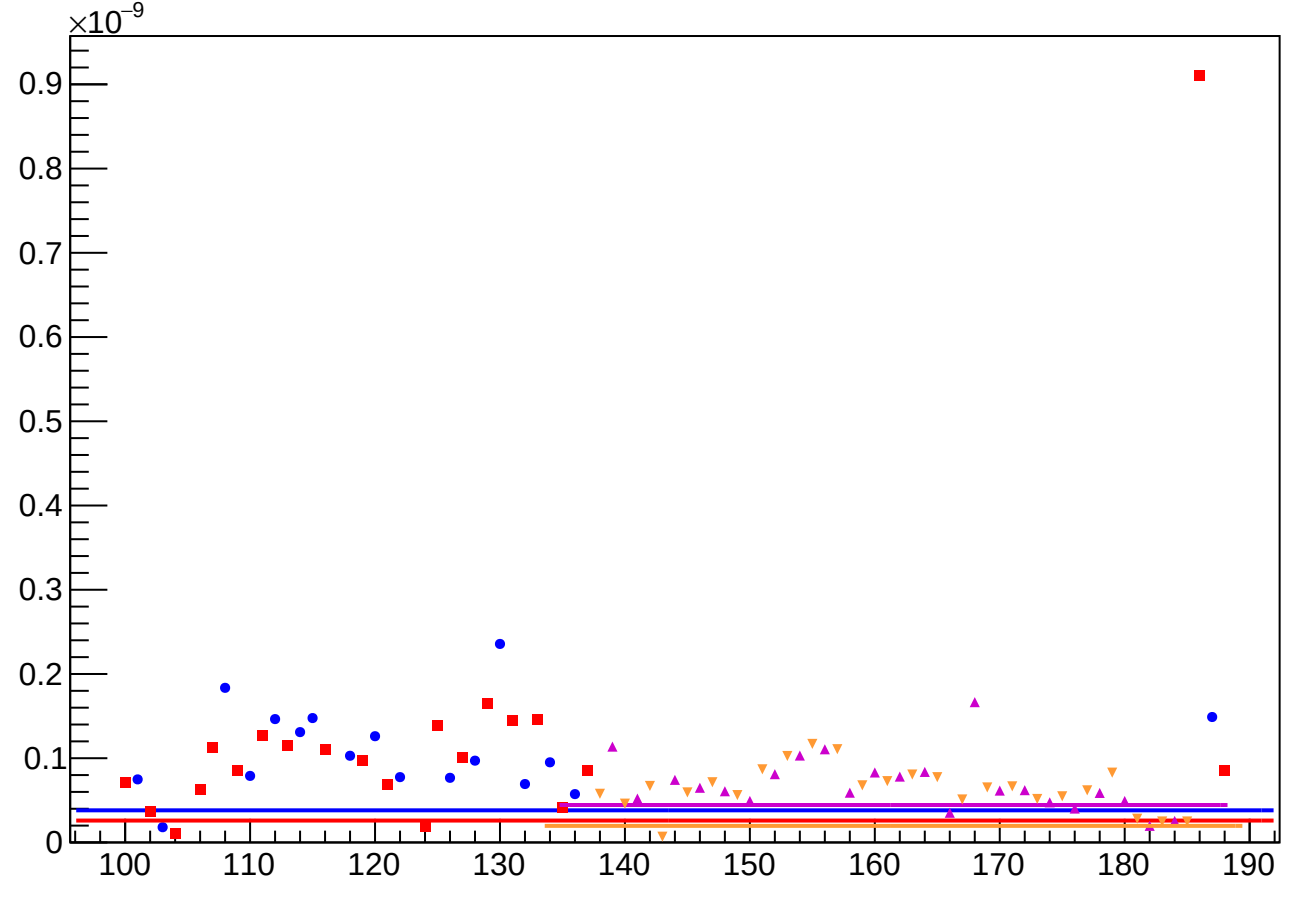
Left: -0.000+/-0.000 χ^2/NDF: 36.1/47

Right: -0.000+/-0.000 χ^2/NDF: 41.0/37

In: -0.000+/-0.000 χ^2/NDF:38.1/39

Out: -0.000+/-0.000 χ^2/NDF:39.0/45

All: -0.000+/-0.000 χ^2/NDF: 77.2/85



Right In: 0.000+/-0.000 χ^2/NDF: 4075607.3/16

Left Out: 0.000+/-0.000 χ^2/NDF:14888228.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5578289.8/20

Left In: 0.000+/-0.000 χ^2/NDF:5919814.1/22

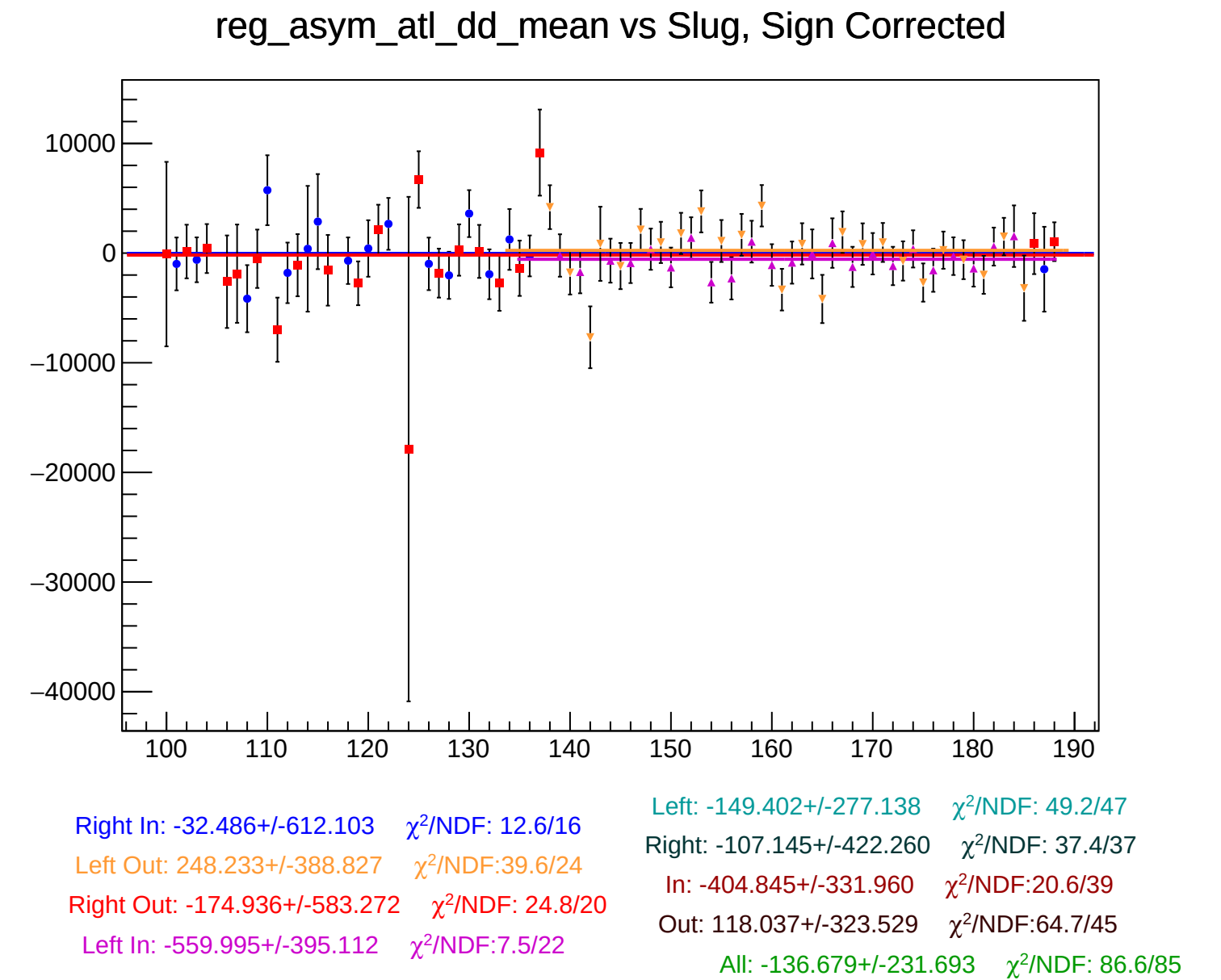
Left: 0.000+/-0.000 χ^2/NDF: 25361712.4/47

Right: 0.000+/-0.000 χ^2/NDF: 9978118.3/37

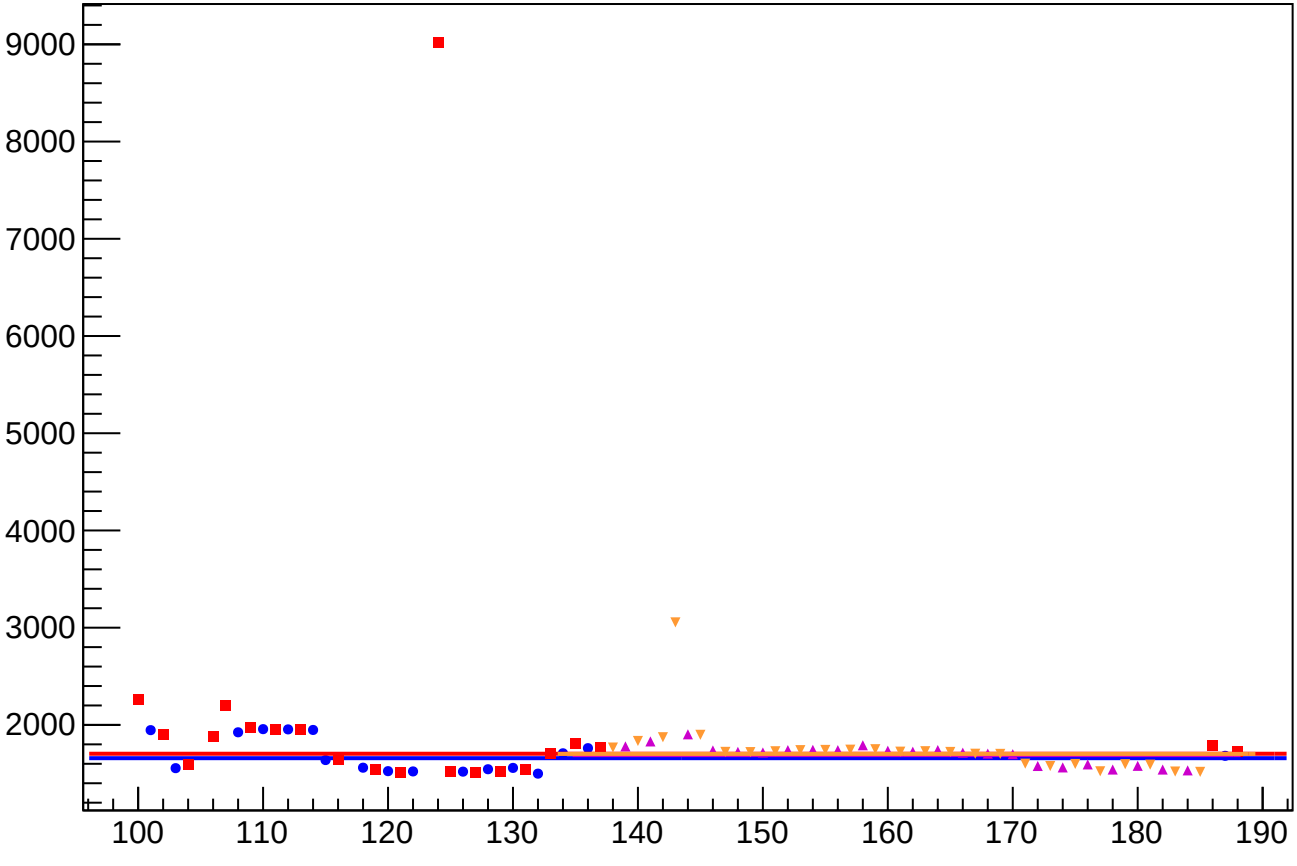
In: 0.000+/-0.000 χ^2/NDF:10099202.0/39

Out: 0.000+/-0.000 χ^2/NDF:20661389.8/45

All: 0.000+/-0.000 χ^2/NDF: 35491124.5/85


reg_asym_atl_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
160
170
180
190
Right In: -32.486+/-612.103 χ²/NDF: 12.6/16
Left Out: 248.233+/-388.827 χ²/NDF:39.6/24
Right Out: -174.936+/-583.272 χ²/NDF: 24.8/20
Left In: -559.995+/-395.112 χ²/NDF:7.5/22
Left: -149.402+/-277.138 χ²/NDF: 49.2/47
Right: -107.145+/-422.260 χ²/NDF: 37.4/37
In: -404.845+/-331.960 χ²/NDF:20.6/39
Out: 118.037+/-323.529 χ²/NDF:64.7/45
All: -136.679+/-231.693 χ²/NDF: 86.6/85

reg_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1657.742+/-0.433 χ^2/NDF: 144063.2/16

Left Out: 1701.583+/-0.275 χ^2/NDF:452379.1/24

Right Out: 1703.504+/-0.411 χ^2/NDF: 388816.2/20

Left In: 1689.259+/-0.279 χ^2/NDF:122317.9/22

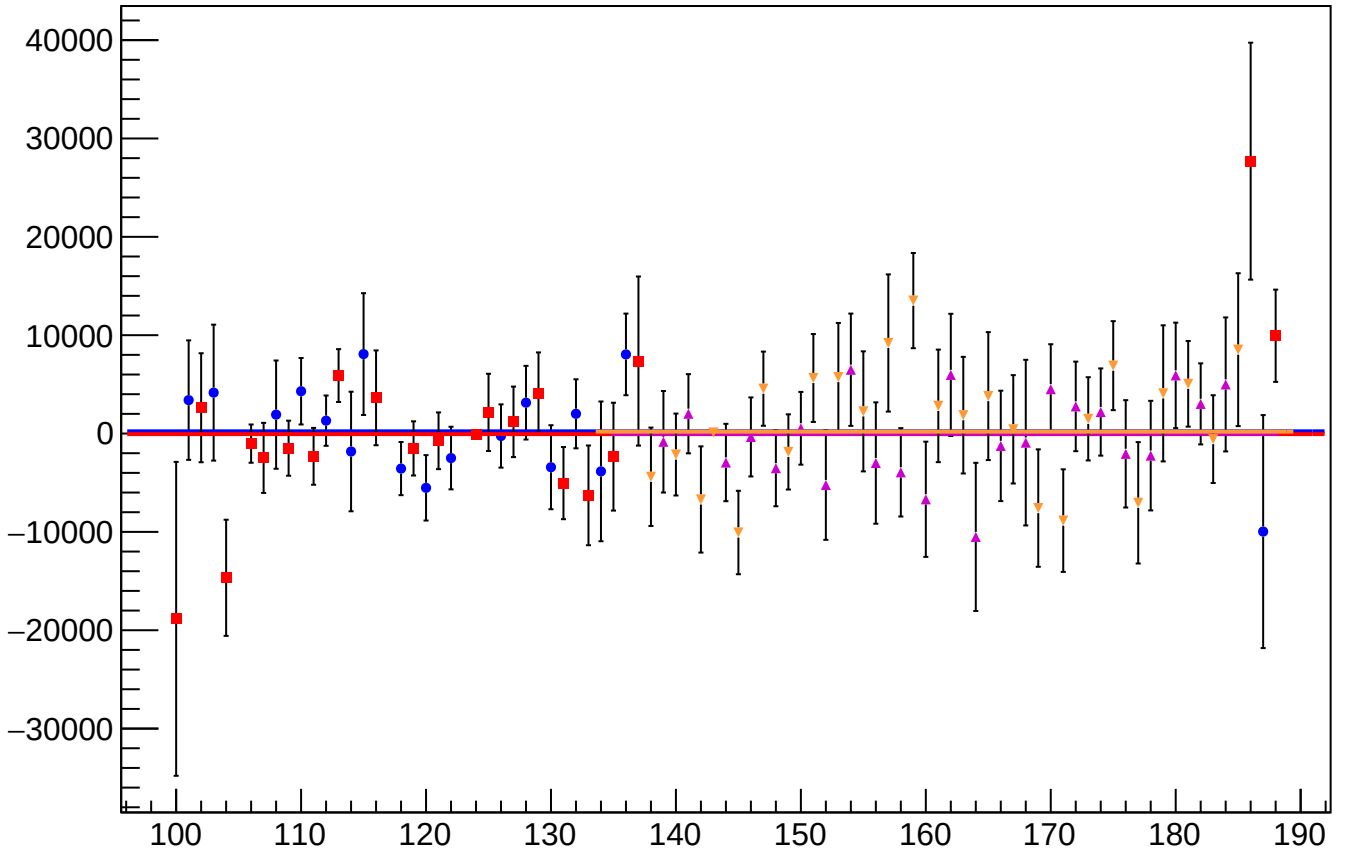
Left: 1695.520+/-0.196 χ^2/NDF: 575685.4/47

Right: 1681.815+/-0.298 χ^2/NDF: 538760.1/37

In: 1679.989+/-0.235 χ^2/NDF:270123.9/39

Out: 1702.177+/-0.228 χ^2/NDF:841210.4/45

All: 1691.382+/-0.164 χ^2/NDF: 1115922.1/85



Right In: 222.165+/-957.923 χ^2/NDF: 16.0/16

Left Out: 193.503+/-343.131 χ^2/NDF:33.9/24

Right Out: -57.904+/-322.830 χ^2/NDF: 30.7/20

Left In: -28.728+/-1025.481 χ^2/NDF:13.3/22

Left: 171.127+/-325.399 χ^2/NDF: 47.2/47

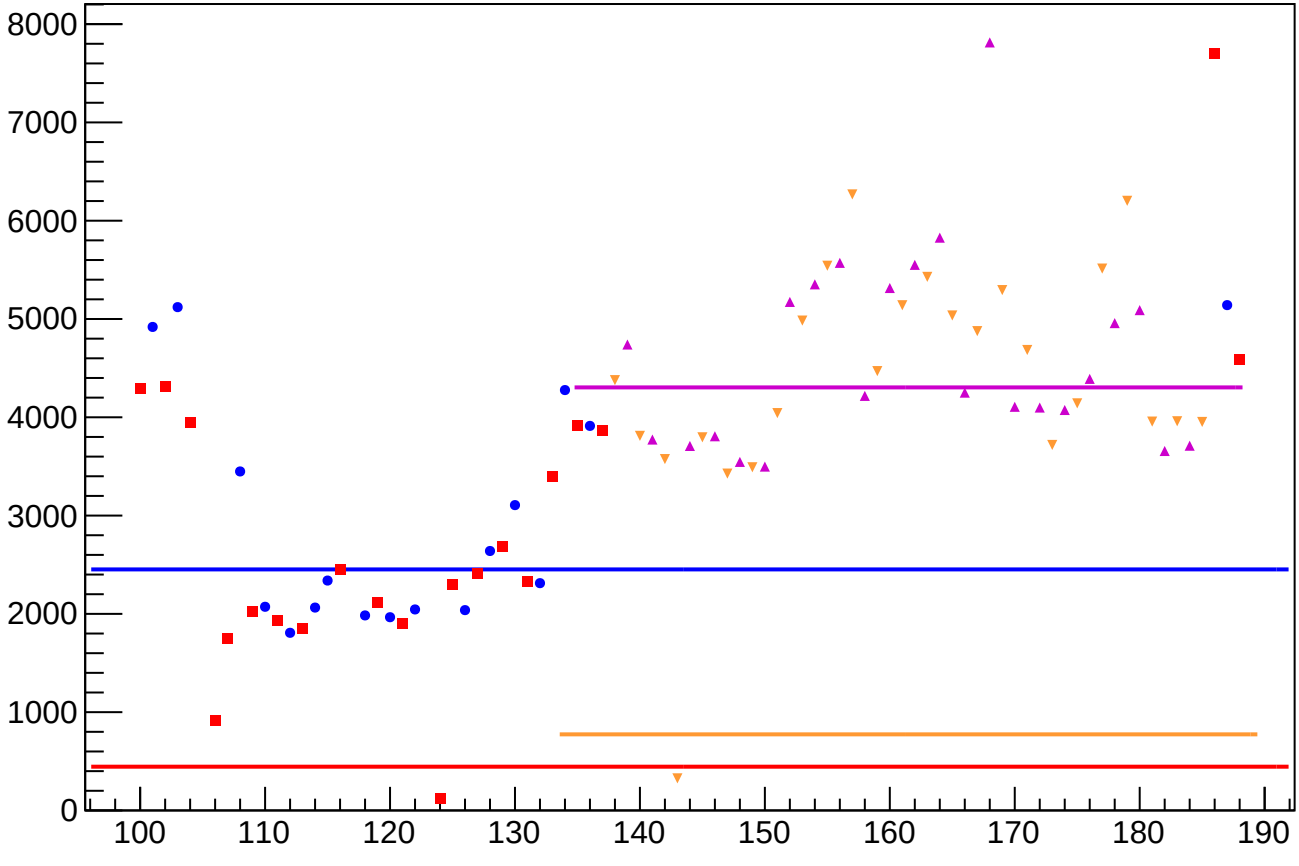
Right: -29.339+/-305.924 χ^2/NDF: 46.8/37

In: 105.254+/-700.020 χ^2/NDF:29.3/39

Out: 60.143+/-235.125 χ^2/NDF:64.9/45

All: 64.716+/-222.888 χ^2/NDF: 94.2/85

asym_atl_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 2452.295+/-0.677 χ^2/NDF: 1561470.4/16

Left Out: 774.232+/-0.243 χ^2/NDF:28085586.8/24

Right Out: 445.272+/-0.228 χ^2/NDF: 13362920.9/20

Left In: 4304.007+/-0.725 χ^2/NDF:1216578.1/22

Left: 1129.637+/-0.230 χ^2/NDF: 50611957.4/47

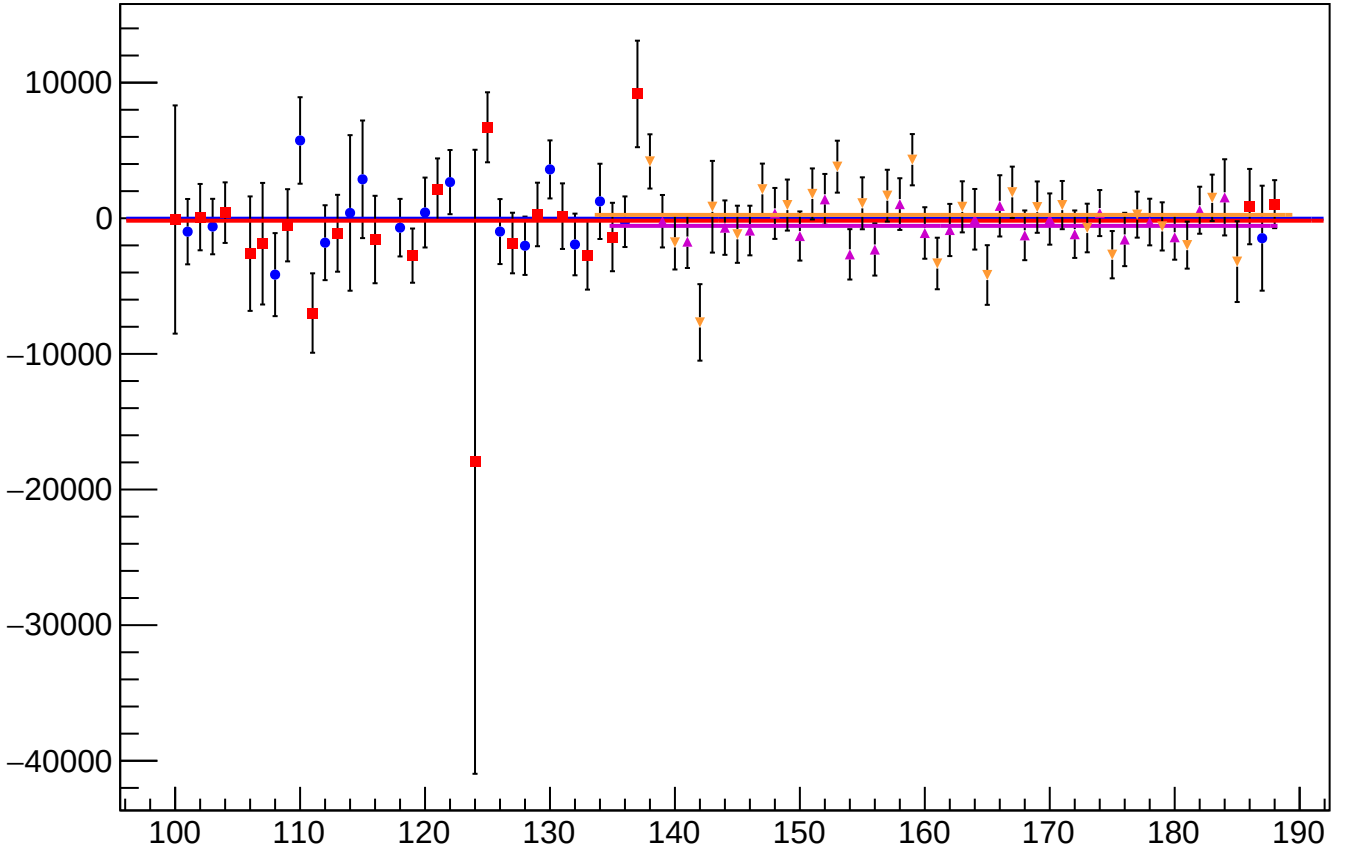
Right: 649.973+/-0.216 χ^2/NDF: 22808521.8/37

In: 3315.152+/-0.495 χ^2/NDF:6260464.5/39

Out: 599.733+/-0.166 χ^2/NDF:42423596.8/45

All: 875.023+/-0.158 χ^2/NDF: 75727318.5/85

cor_asym_atl_dd_mean vs Slug, Sign Corrected



Right In: -32.561+/-612.103 χ^2/NDF: 12.6/16

Left Out: 248.216+/-388.827 χ^2/NDF:39.6/24

Right Out: -178.554+/-583.277 χ^2/NDF: 24.8/20

Left In: -559.960+/-395.112 χ^2/NDF:7.5/22

Left: -149.393+/-277.138 χ^2/NDF: 49.2/47

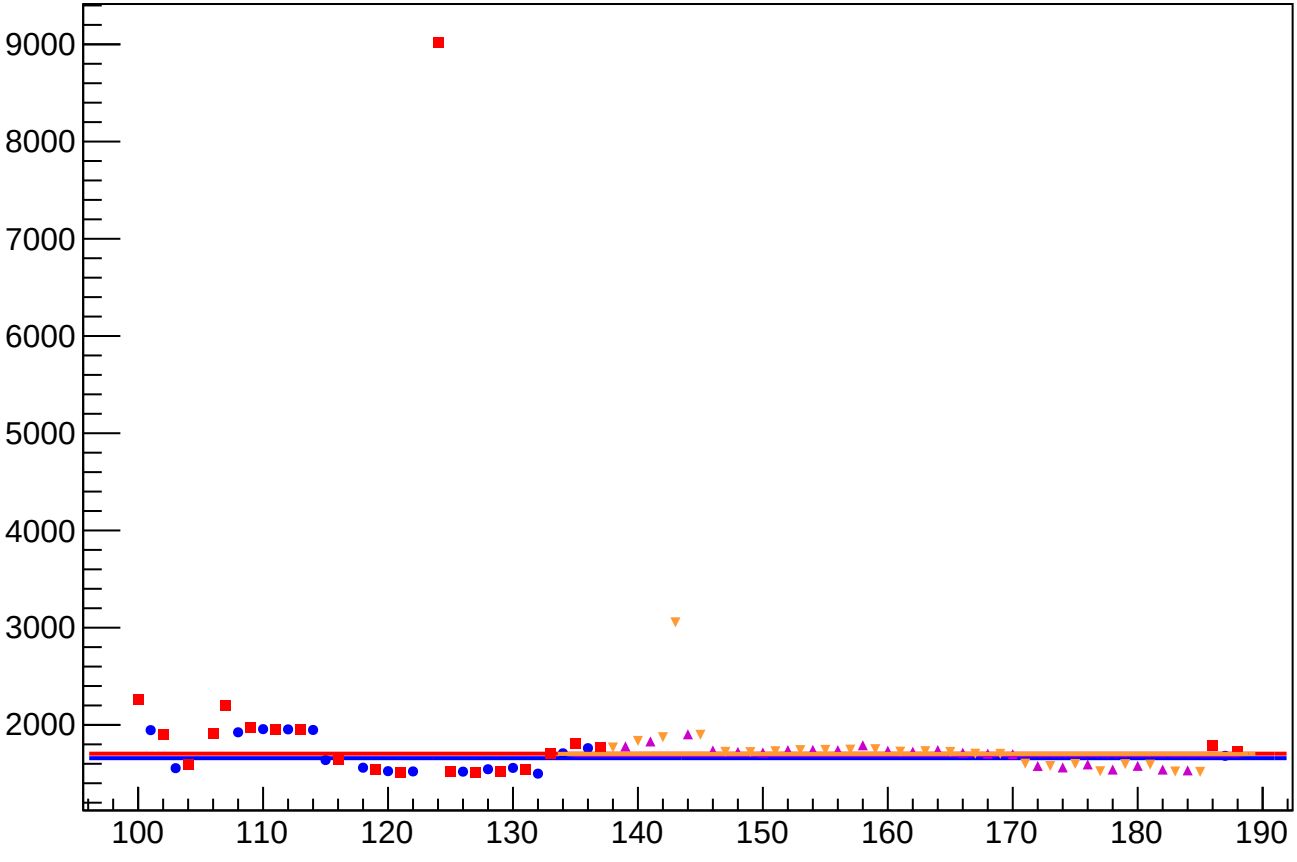
Right: -109.076+/-422.262 χ^2/NDF: 37.4/37

In: -404.842+/-331.960 χ^2/NDF:20.6/39

Out: 116.914+/-323.530 χ^2/NDF:64.7/45

All: -137.255+/-231.693 χ^2/NDF: 86.6/85

cor_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1657.742+/-0.433 χ^2/NDF: 144063.2/16

Left Out: 1701.583+/-0.275 χ^2/NDF:452379.0/24

Right Out: 1704.184+/-0.411 χ^2/NDF: 390512.0/20

Left In: 1689.259+/-0.279 χ^2/NDF:122317.9/22

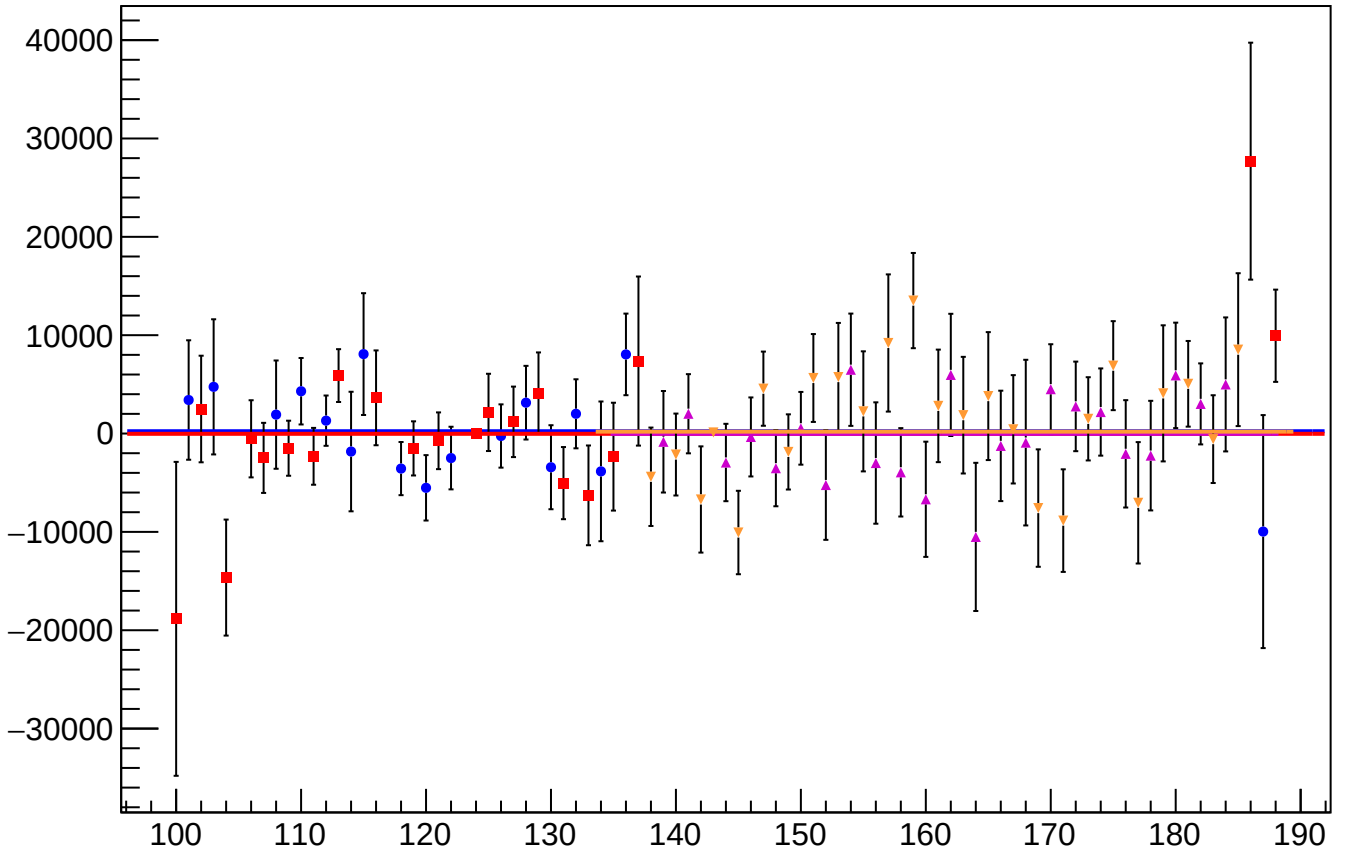
Left: 1695.520+/-0.196 χ^2/NDF: 575685.4/47

Right: 1682.163+/-0.298 χ^2/NDF: 540629.5/37

In: 1679.989+/-0.235 χ^2/NDF:270124.0/39

Out: 1702.387+/-0.229 χ^2/NDF:842918.7/45

All: 1691.488+/-0.164 χ^2/NDF: 1117717.0/85



Right In: 234.679+/-957.806 χ^2/NDF: 16.1/16

Left Out: 193.916+/-343.107 χ^2/NDF:33.9/24

Right Out: -28.002+/-314.936 χ^2/NDF: 30.5/20

Left In: -28.766+/-1025.480 χ^2/NDF:13.3/22

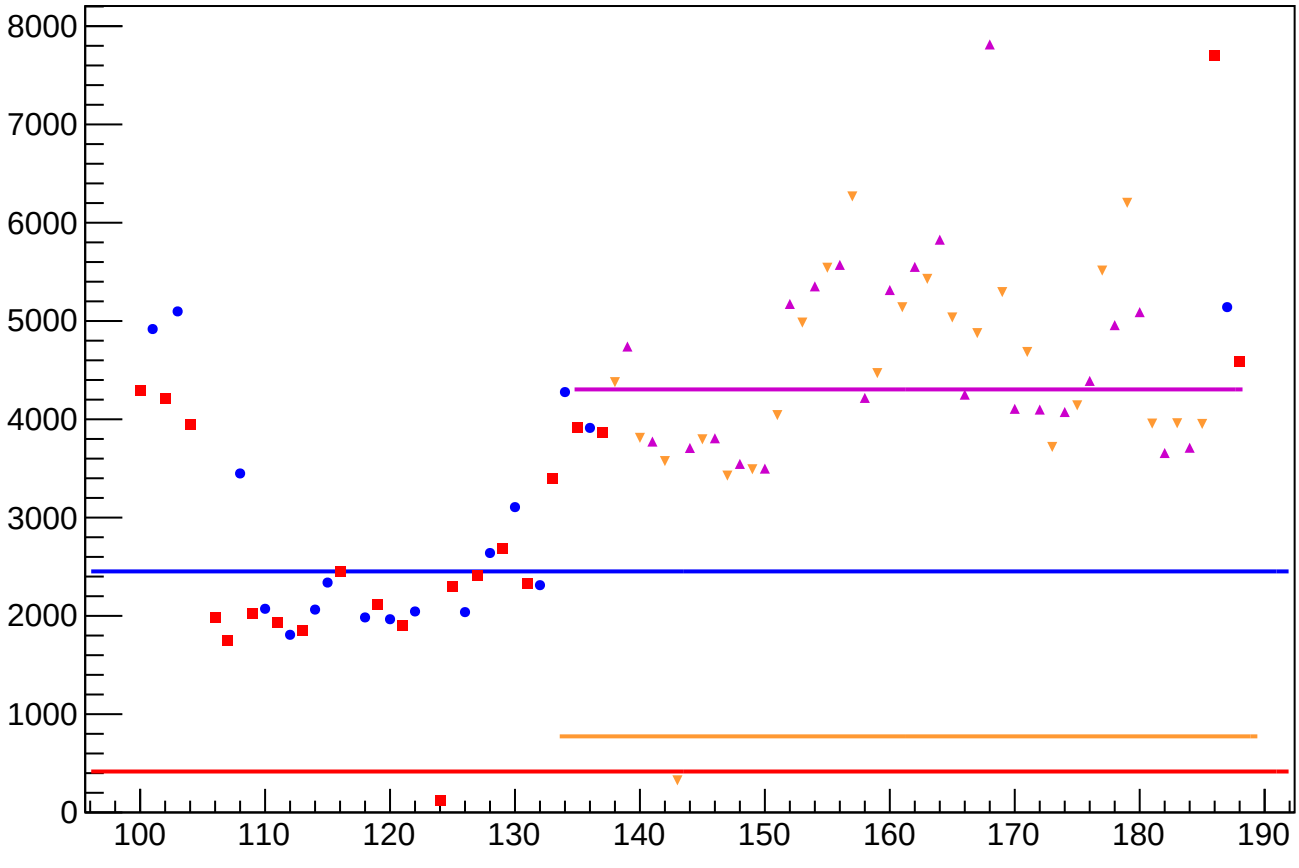
Left: 171.497+/-325.378 χ^2/NDF: 47.2/47

Right: -2.373+/-299.178 χ^2/NDF: 46.6/37

In: 111.936+/-699.973 χ^2/NDF:29.4/39

Out: 73.474+/-232.015 χ^2/NDF:64.6/45

All: 77.281+/-220.232 χ^2/NDF: 94.0/85



Right In: 2452.455+/-0.677 χ^2/NDF: 1559764.6/16

Left Out: 774.143+/-0.243 χ^2/NDF:28086455.1/24

Right Out: 416.582+/-0.223 χ^2/NDF: 13733960.0/20

Left In: 4304.001+/-0.725 χ^2/NDF:1216572.3/22

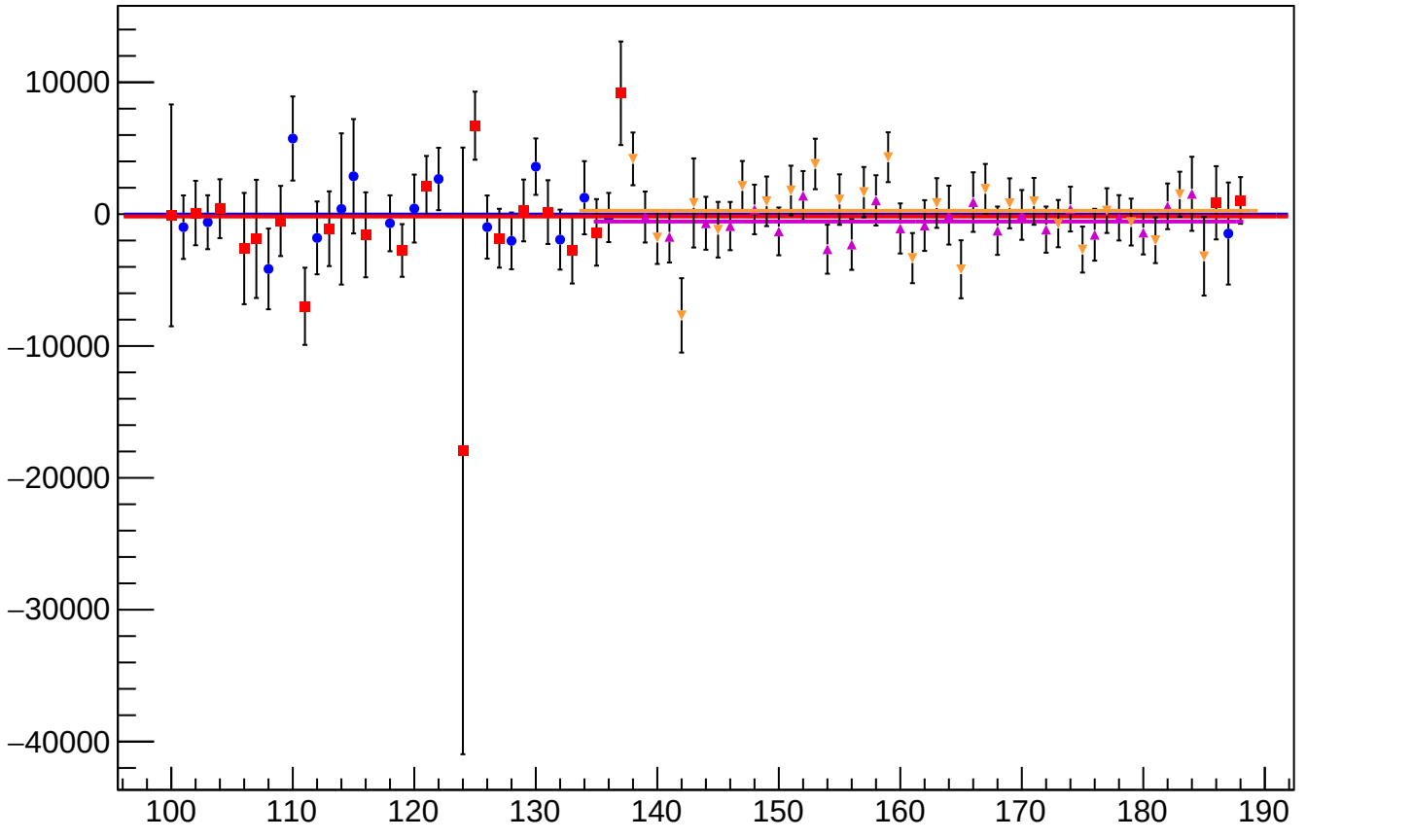
Left: 1129.512+/-0.230 χ^2/NDF: 50614177.8/47

Right: 615.217+/-0.212 χ^2/NDF: 23448110.9/37

In: 3315.123+/-0.495 χ^2/NDF:6258533.0/39

Out: 580.083+/-0.164 χ^2/NDF:42999256.3/45

All: 850.828+/-0.156 χ^2/NDF: 76769843.9/85



Right In: -32.561+/-612.103 χ^2/NDF: 12.6/16

Left Out: 248.216+/-388.827 χ^2/NDF:39.6/24

Right Out: -178.554+/-583.277 χ^2/NDF: 24.8/20

Left In: -559.960+/-395.112 χ^2/NDF:7.5/22

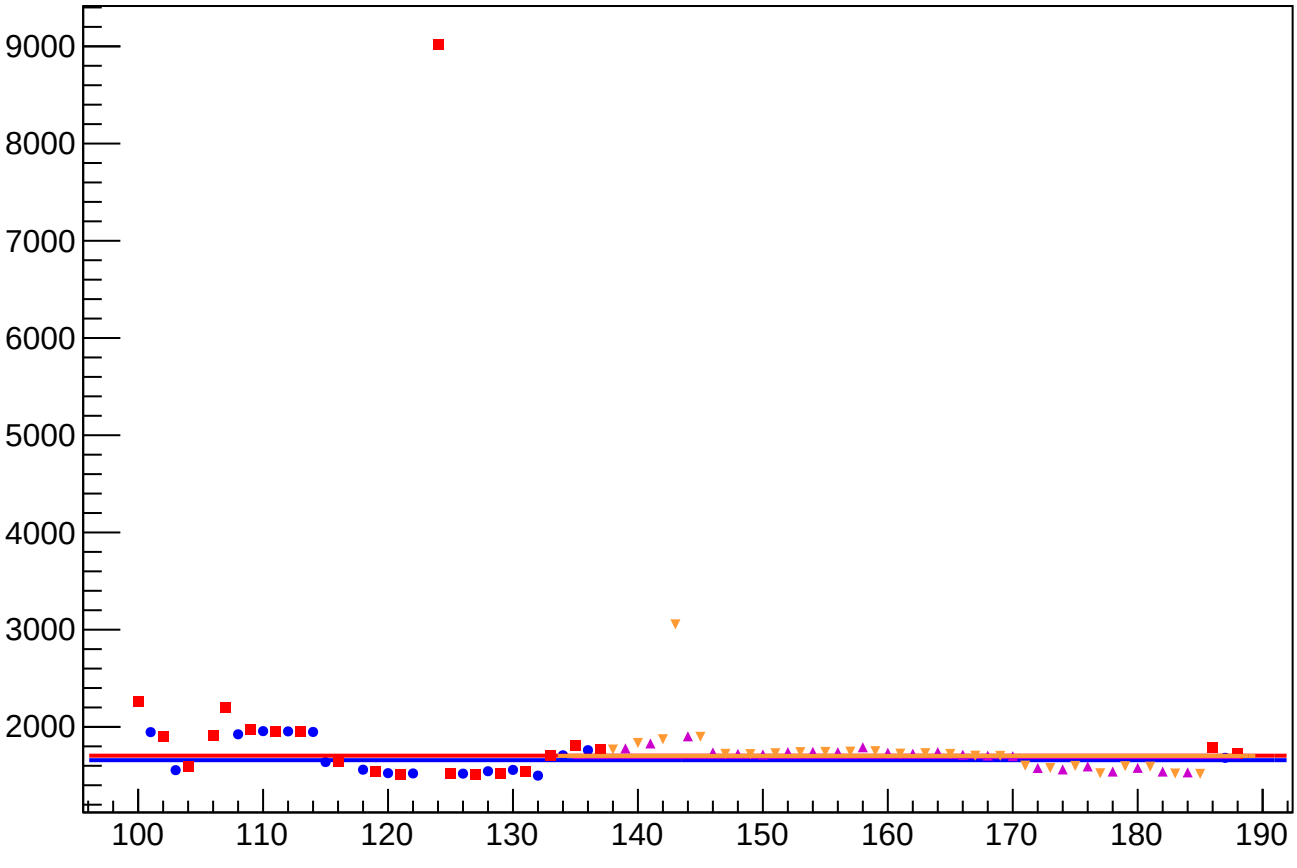
Left: -149.393+/-277.138 χ^2/NDF: 49.2/47

Right: -109.076+/-422.262 χ^2/NDF: 37.4/37

In: -404.842+/-331.960 χ^2/NDF:20.6/39

Out: 116.914+/-323.530 χ^2/NDF:64.7/45

All: -137.255+/-231.693 χ^2/NDF: 86.6/85



Right In: 1657.742+/-0.433 χ^2/NDF: 144063.2/16

Left Out: 1701.583+/-0.275 χ^2/NDF:452379.0/24

Right Out: 1704.184+/-0.411 χ^2/NDF: 390512.0/20

Left In: 1689.259+/-0.279 χ^2/NDF:122317.9/22

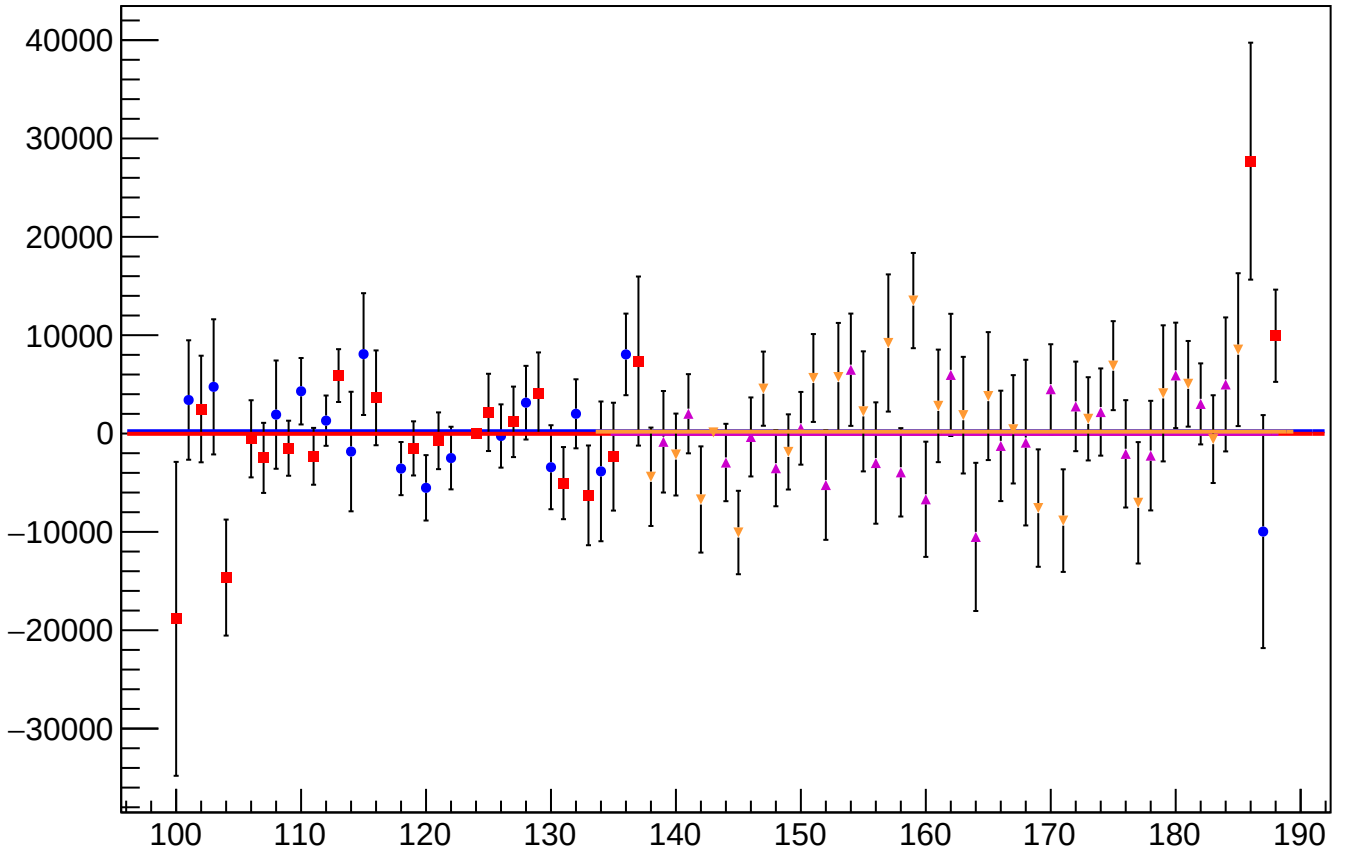
Left: 1695.520+/-0.196 χ^2/NDF: 575685.4/47

Right: 1682.163+/-0.298 χ^2/NDF: 540629.5/37

In: 1679.989+/-0.235 χ^2/NDF:270124.0/39

Out: 1702.387+/-0.229 χ^2/NDF:842918.7/45

All: 1691.488+/-0.164 χ^2/NDF: 1117717.0/85



Right In: 234.679+/-957.806 χ^2/NDF: 16.1/16

Left Out: 193.916+/-343.107 χ^2/NDF:33.9/24

Right Out: -28.002+/-314.936 χ^2/NDF: 30.5/20

Left In: -28.766+/-1025.480 χ^2/NDF:13.3/22

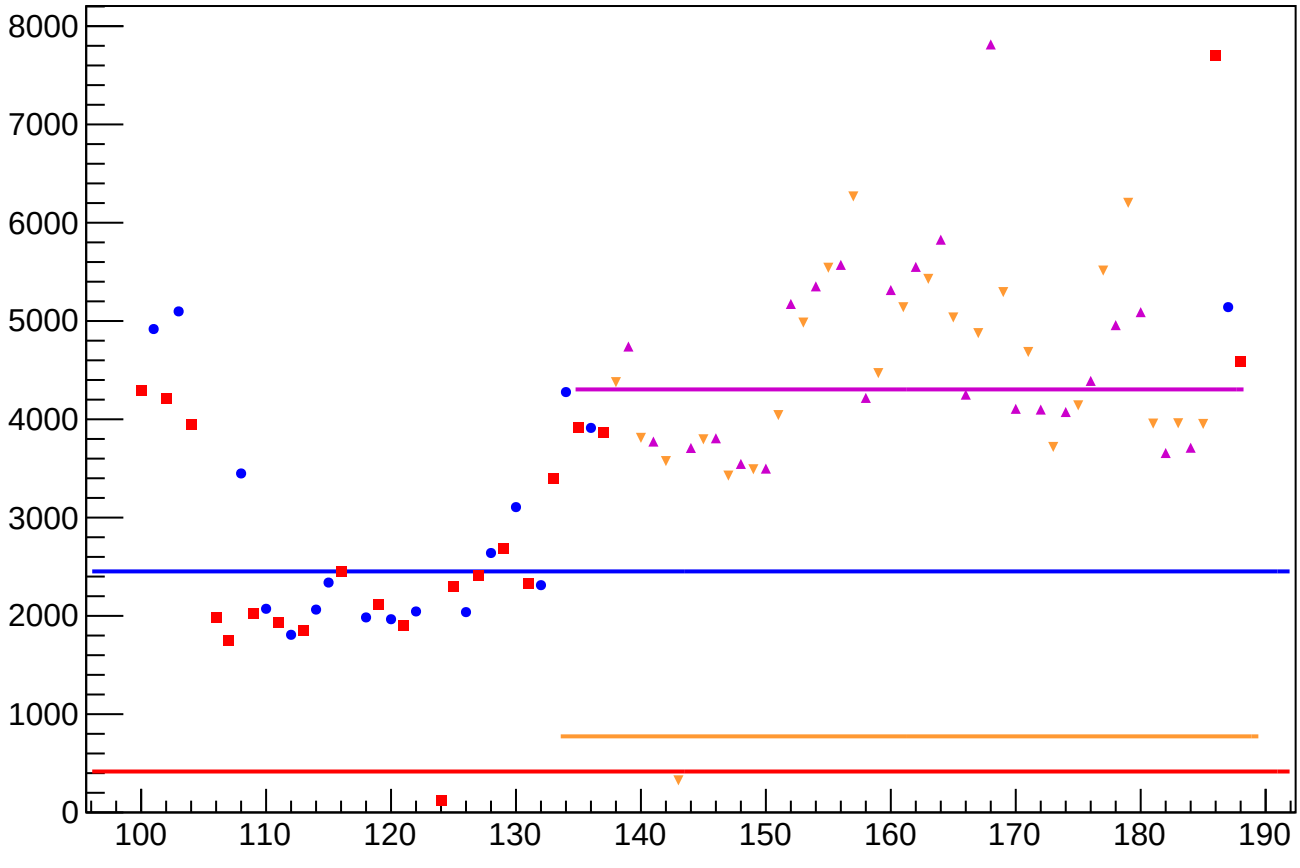
Left: 171.497+/-325.378 χ^2/NDF: 47.2/47

Right: -2.373+/-299.178 χ^2/NDF: 46.6/37

In: 111.936+/-699.973 χ^2/NDF:29.4/39

Out: 73.474+/-232.015 χ^2/NDF:64.6/45

All: 77.281+/-220.232 χ^2/NDF: 94.0/85



Right In: 2452.455+/-0.677 χ^2/NDF: 1559764.6/16

Left Out: 774.143+/-0.243 χ^2/NDF:28086455.1/24

Right Out: 416.582+/-0.223 χ^2/NDF: 13733960.0/20

Left In: 4304.001+/-0.725 χ^2/NDF:1216572.3/22

Left: 1129.512+/-0.230 χ^2/NDF: 50614177.8/47

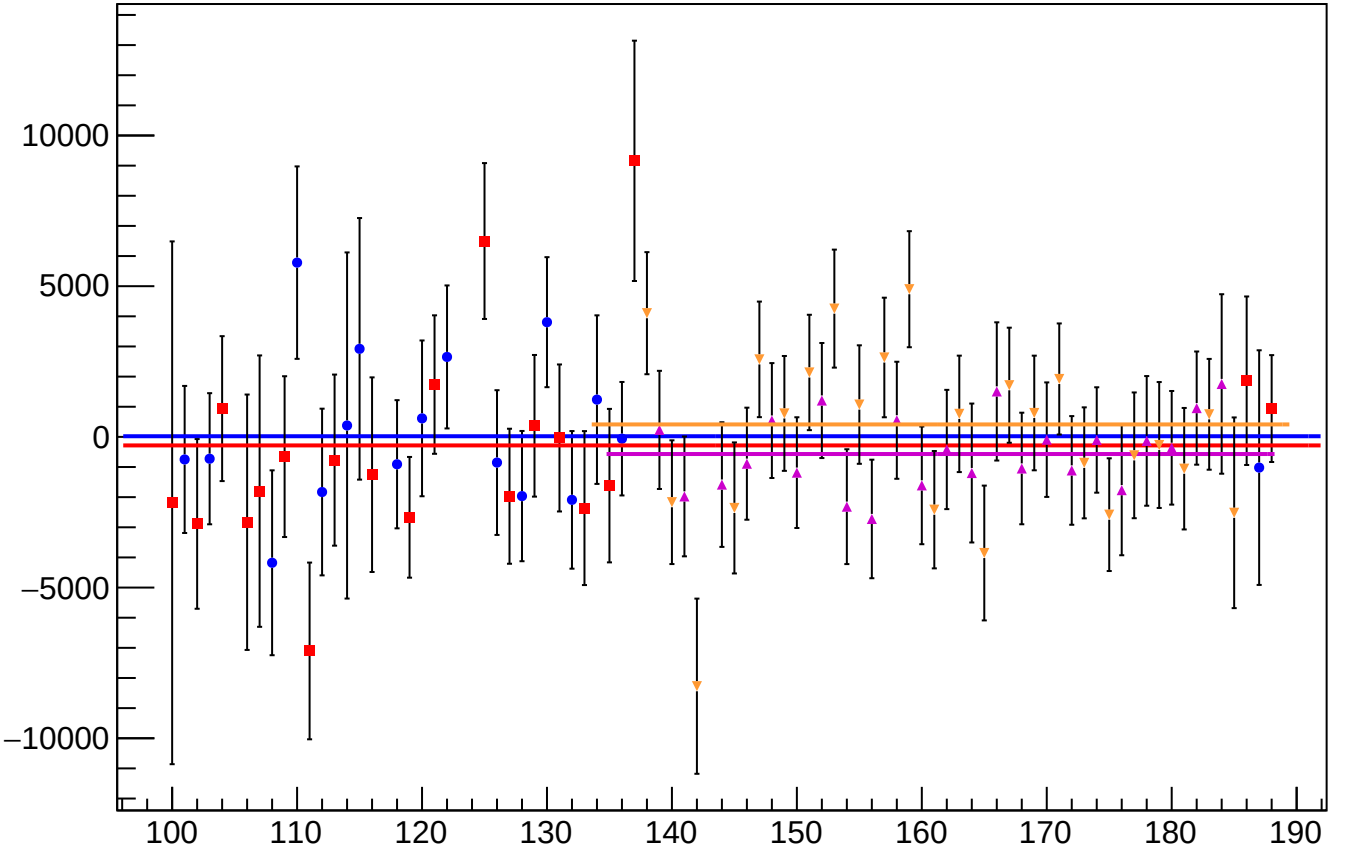
Right: 615.217+/-0.212 χ^2/NDF: 23448110.9/37

In: 3315.123+/-0.495 χ^2/NDF:6258533.0/39

Out: 580.083+/-0.164 χ^2/NDF:42999256.3/45

All: 850.828+/-0.156 χ^2/NDF: 76769843.9/85

dit_asym_atl_dd_mean vs Slug, Sign Corrected



Right In: 21.408+/-618.206 χ^2/NDF: 12.9/16

Left Out: 413.309+/-410.536 χ^2/NDF:40.0/23

Right Out: -283.305+/-592.610 χ^2/NDF: 24.5/19

Left In: -568.823+/-412.052 χ^2/NDF:7.7/22

Left: -75.946+/-290.827 χ^2/NDF: 50.6/46

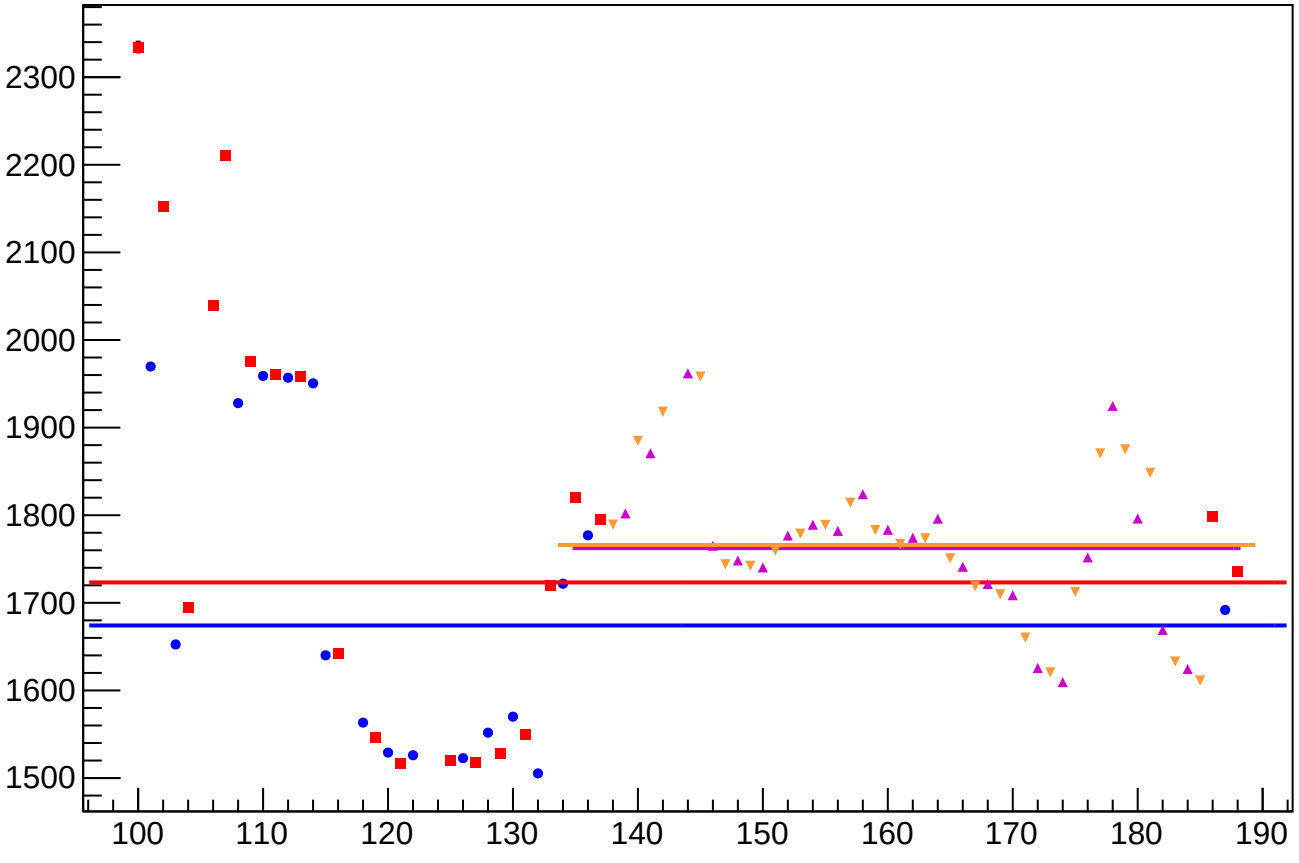
Right: -137.387+/-427.801 χ^2/NDF: 37.5/36

In: -387.265+/-342.870 χ^2/NDF:21.3/39

Out: 187.408+/-337.468 χ^2/NDF:65.4/43

All: -95.366+/-240.513 χ^2/NDF: 88.1/83

dit_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1674.186+/-0.437 χ^2/NDF: 140915.4/16

Left Out: 1766.115+/-0.290 χ^2/NDF:83252.4/23

Right Out: 1723.311+/-0.418 χ^2/NDF: 229332.1/19

Left In: 1762.405+/-0.291 χ^2/NDF:80090.6/22

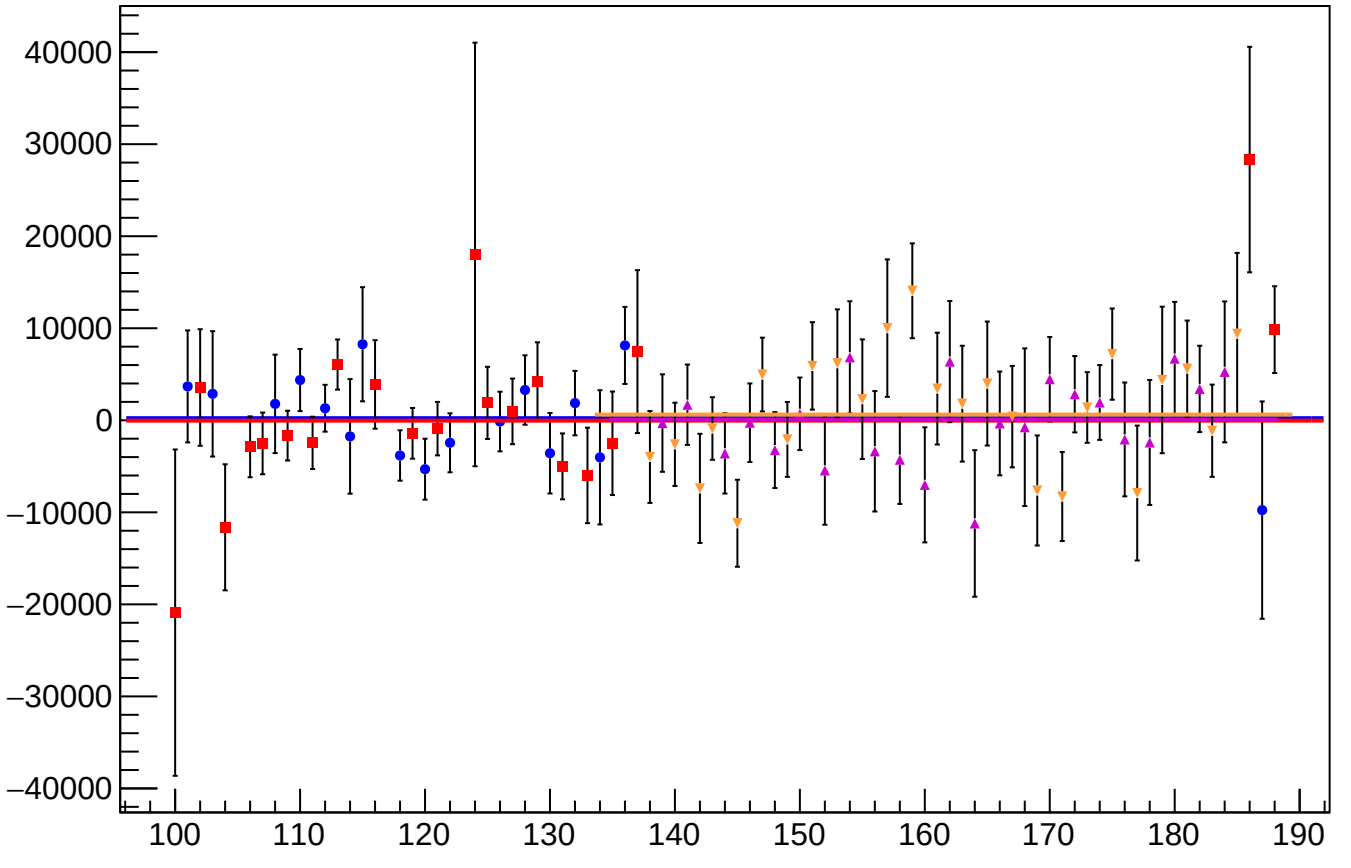
Left: 1764.267+/-0.206 χ^2/NDF: 163424.4/46

Right: 1699.834+/-0.302 χ^2/NDF: 376841.2/36

In: 1735.269+/-0.242 χ^2/NDF:249205.7/39

Out: 1752.198+/-0.238 χ^2/NDF:319653.8/43

All: 1743.873+/-0.170 χ^2/NDF: 571337.6/83



Right In: 229.820+/-961.473 χ^2/NDF: 16.0/16

Left Out: 619.658+/-1034.658 χ^2/NDF:33.1/24

Right Out: -36.125+/-866.666 χ^2/NDF: 28.8/20

Left In: 85.511+/-1082.508 χ^2/NDF:12.9/22

Left: 364.651+/-747.958 χ^2/NDF: 46.1/47

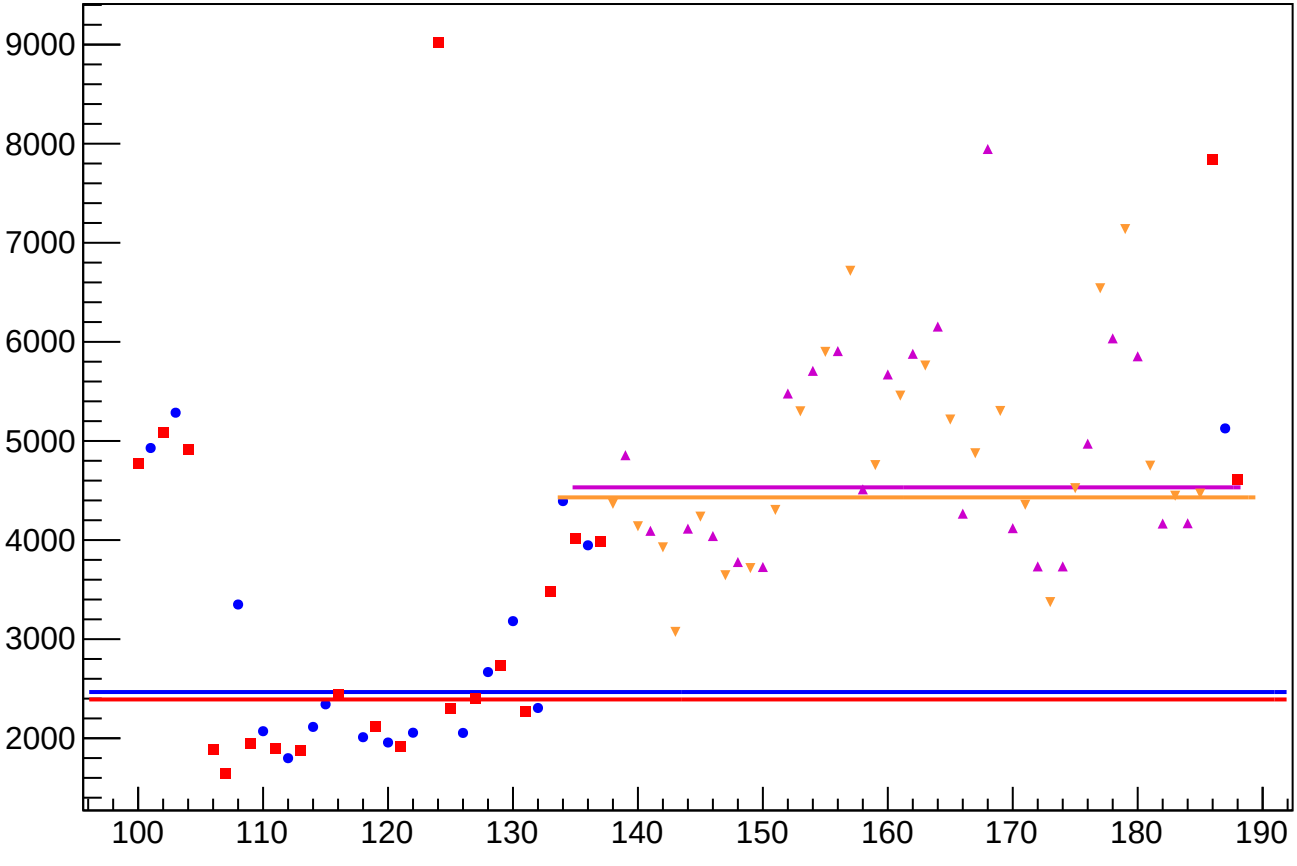
Right: 83.093+/-643.741 χ^2/NDF: 44.9/37

In: 166.181+/-718.863 χ^2/NDF:28.9/39

Out: 234.274+/-664.384 χ^2/NDF:62.1/45

All: 202.905+/-487.915 χ^2/NDF: 91.0/85

asym_atl_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 2466.361+/-0.680 χ^2/NDF: 1619828.5/16

Left Out: 4430.796+/-0.732 χ^2/NDF:1613272.4/24

Right Out: 2391.497+/-0.613 χ^2/NDF: 2417128.4/20

Left In: 4531.944+/-0.765 χ^2/NDF:1376472.2/22

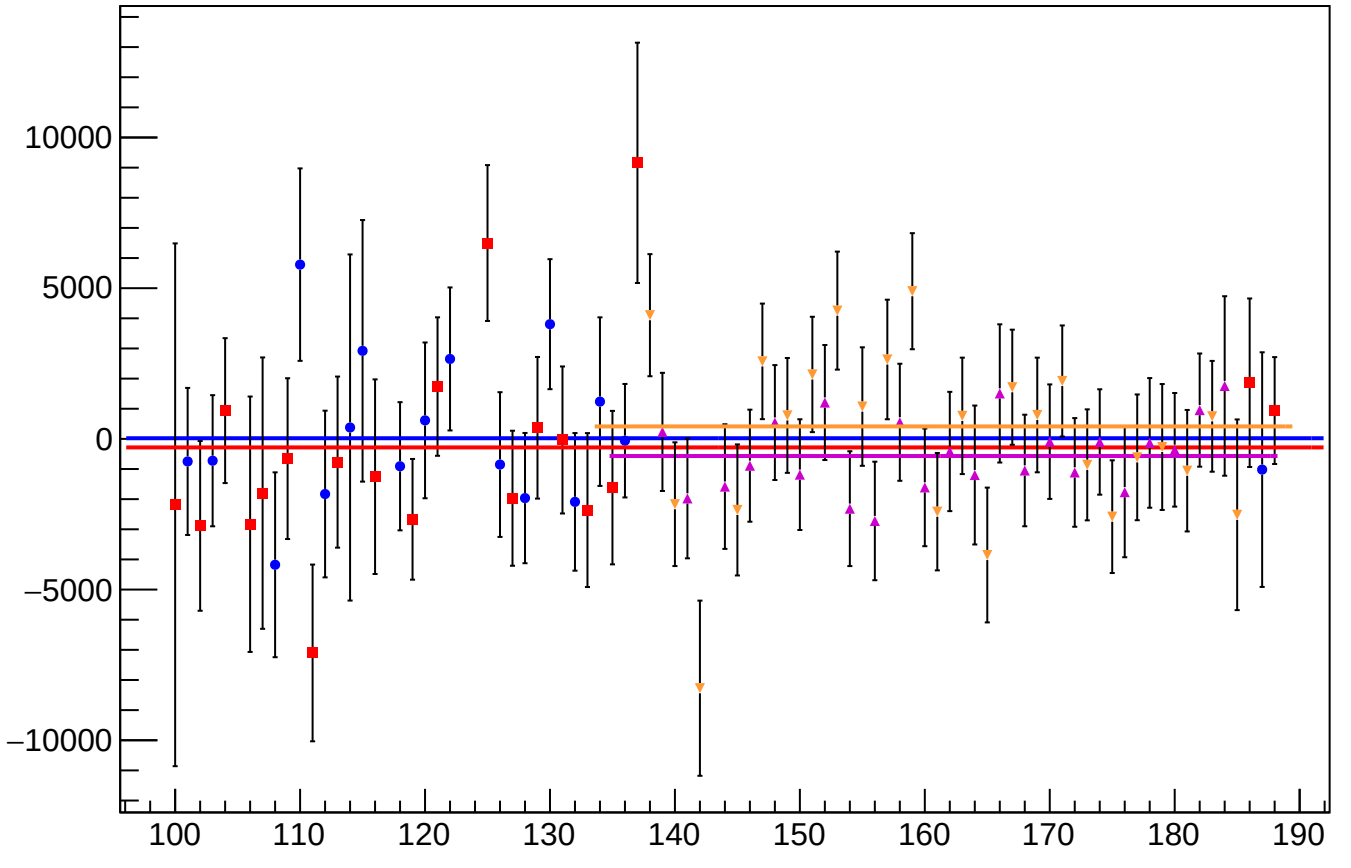
Left: 4479.085+/-0.529 χ^2/NDF: 2998869.7/47

Right: 2425.057+/-0.455 χ^2/NDF: 4043646.9/37

In: 3377.266+/-0.508 χ^2/NDF:7067021.5/39

Out: 3232.361+/-0.470 χ^2/NDF:8596362.8/45

All: 3299.115+/-0.345 χ^2/NDF: 15707212.8/8



Right In: 21.405+/-618.205 χ^2/NDF: 12.9/16

Left Out: 413.311+/-410.536 χ^2/NDF:40.0/23

Right Out: -283.309+/-592.610 χ^2/NDF: 24.5/19

Left In: -568.821+/-412.052 χ^2/NDF:7.7/22

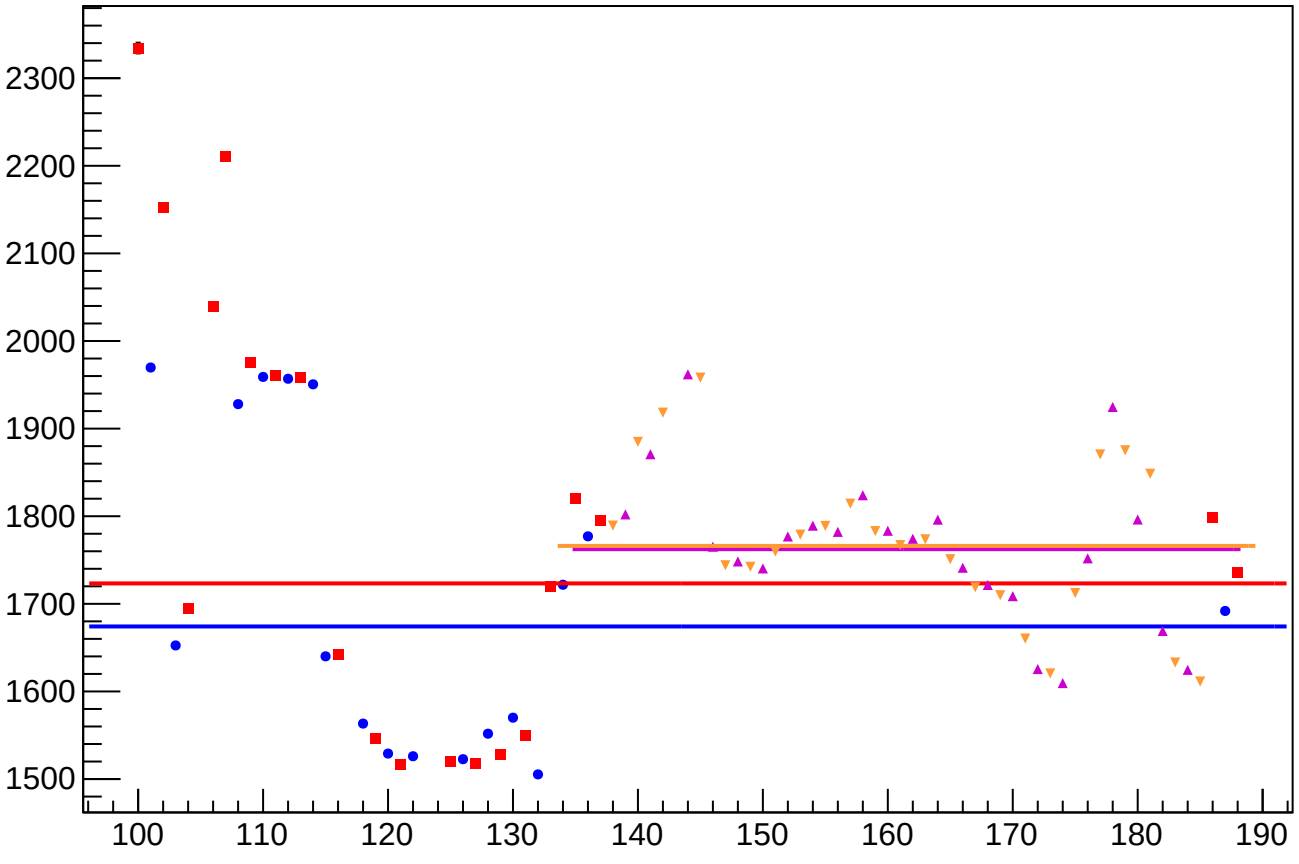
Left: -75.945+/-290.827 χ^2/NDF: 50.6/46

Right: -137.391+/-427.801 χ^2/NDF: 37.5/36

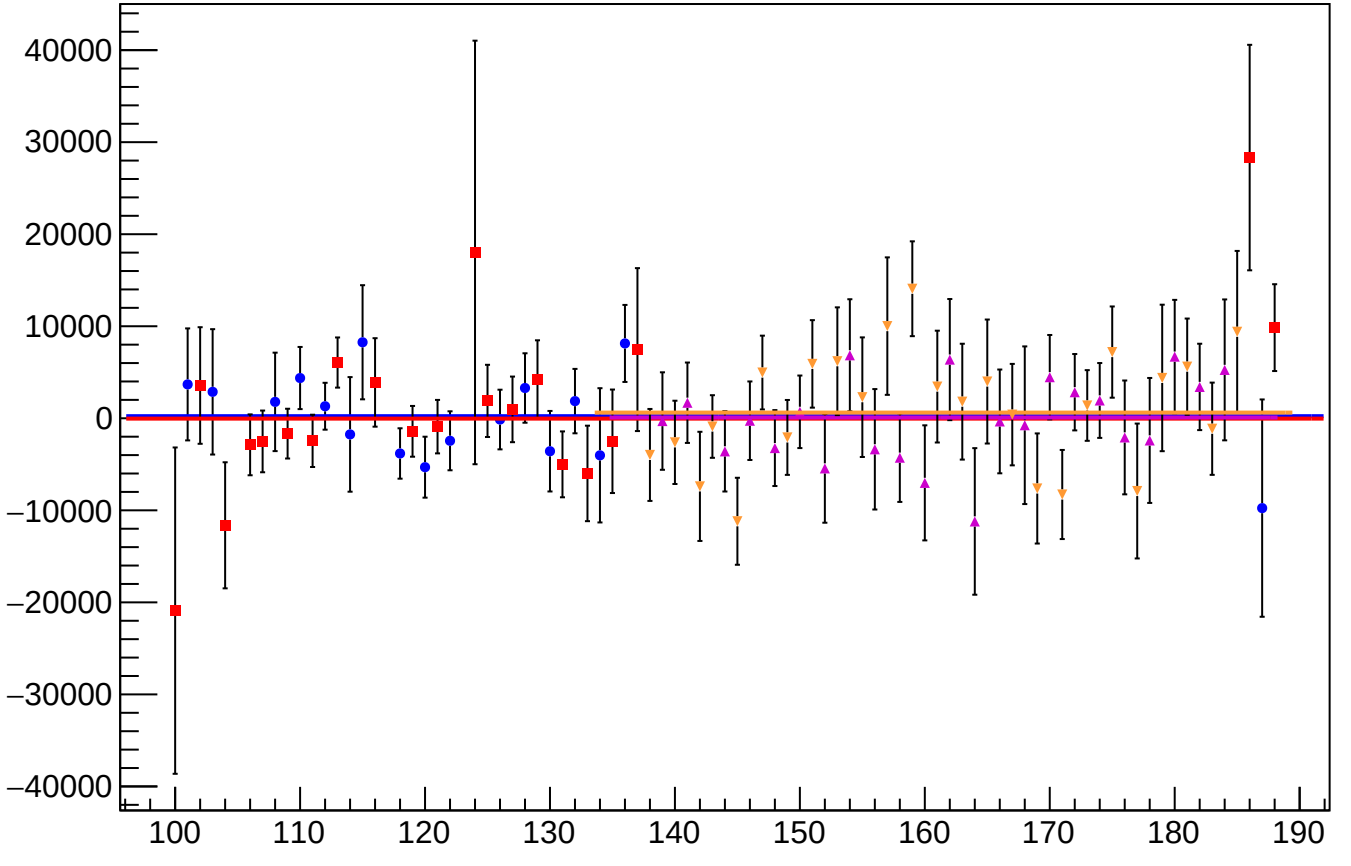
In: -387.265+/-342.870 χ^2/NDF:21.3/39

Out: 187.407+/-337.468 χ^2/NDF:65.4/43

All: -95.367+/-240.513 χ^2/NDF: 88.1/83


eigen_dit_asym_atl_dd_rms vs Slug, Sign Corrected
2300
2200
2100
2000
1900
1800
1700
1600
1500
100
110
120
130
140
150
160
170
180
190
Right In: 1674.186+/-0.437 χ²/NDF: 140915.5/16
Left Out: 1766.116+/-0.290 χ²/NDF:83255.3/23
Right Out: 1723.311+/-0.418 χ²/NDF: 229331.3/19
Left In: 1762.406+/-0.291 χ²/NDF:80093.2/22
Left: 1764.268+/-0.206 χ²/NDF: 163429.9/46
Right: 1699.834+/-0.302 χ²/NDF: 376840.5/36
In: 1735.269+/-0.242 χ²/NDF:249209.2/39
Out: 1752.198+/-0.238 χ²/NDF:319656.3/43
All: 1743.874+/-0.170 χ²/NDF: 571343.6/83

asym_atl_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 229.815+/-961.469 χ^2/NDF: 16.0/16

Left Out: 619.663+/-1034.659 χ^2/NDF:33.1/24

Right Out: -36.130+/-866.663 χ^2/NDF: 28.8/20

Left In: 85.511+/-1082.509 χ^2/NDF:12.9/22

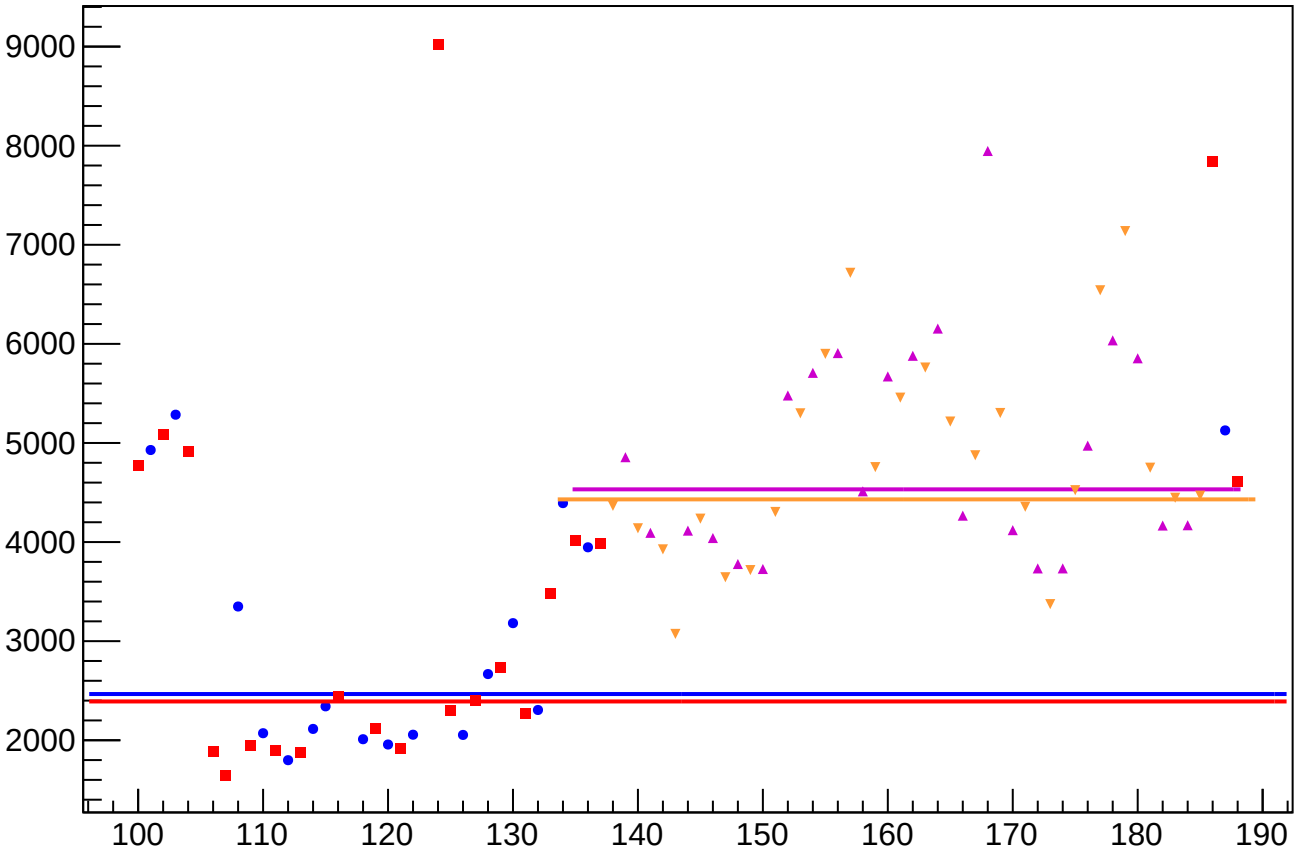
Left: 364.653+/-747.959 χ^2/NDF: 46.1/47

Right: 83.088+/-643.739 χ^2/NDF: 44.9/37

In: 166.179+/-718.862 χ^2/NDF:28.9/39

Out: 234.271+/-664.383 χ^2/NDF:62.1/45

All: 202.902+/-487.914 χ^2/NDF: 91.0/85



Right In: 2466.350+/-0.680 χ^2/NDF: 1619842.4/16

Left Out: 4430.803+/-0.732 χ^2/NDF:1613274.9/24

Right Out: 2391.488+/-0.613 χ^2/NDF: 2417142.4/20

Left In: 4531.951+/-0.765 χ^2/NDF:1376473.4/22

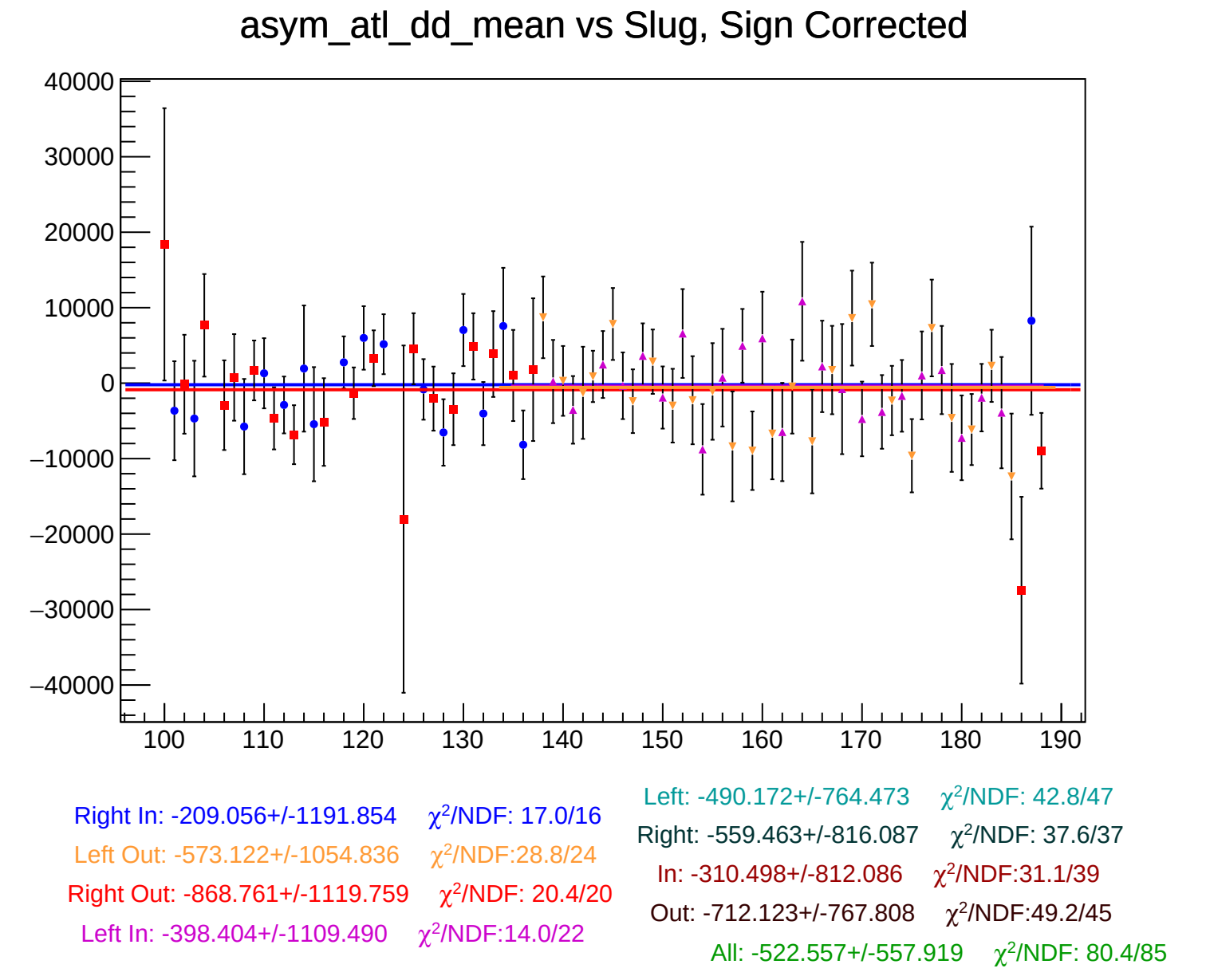
Left: 4479.092+/-0.529 χ^2/NDF: 2998873.4/47

Right: 2425.048+/-0.455 χ^2/NDF: 4043674.5/37

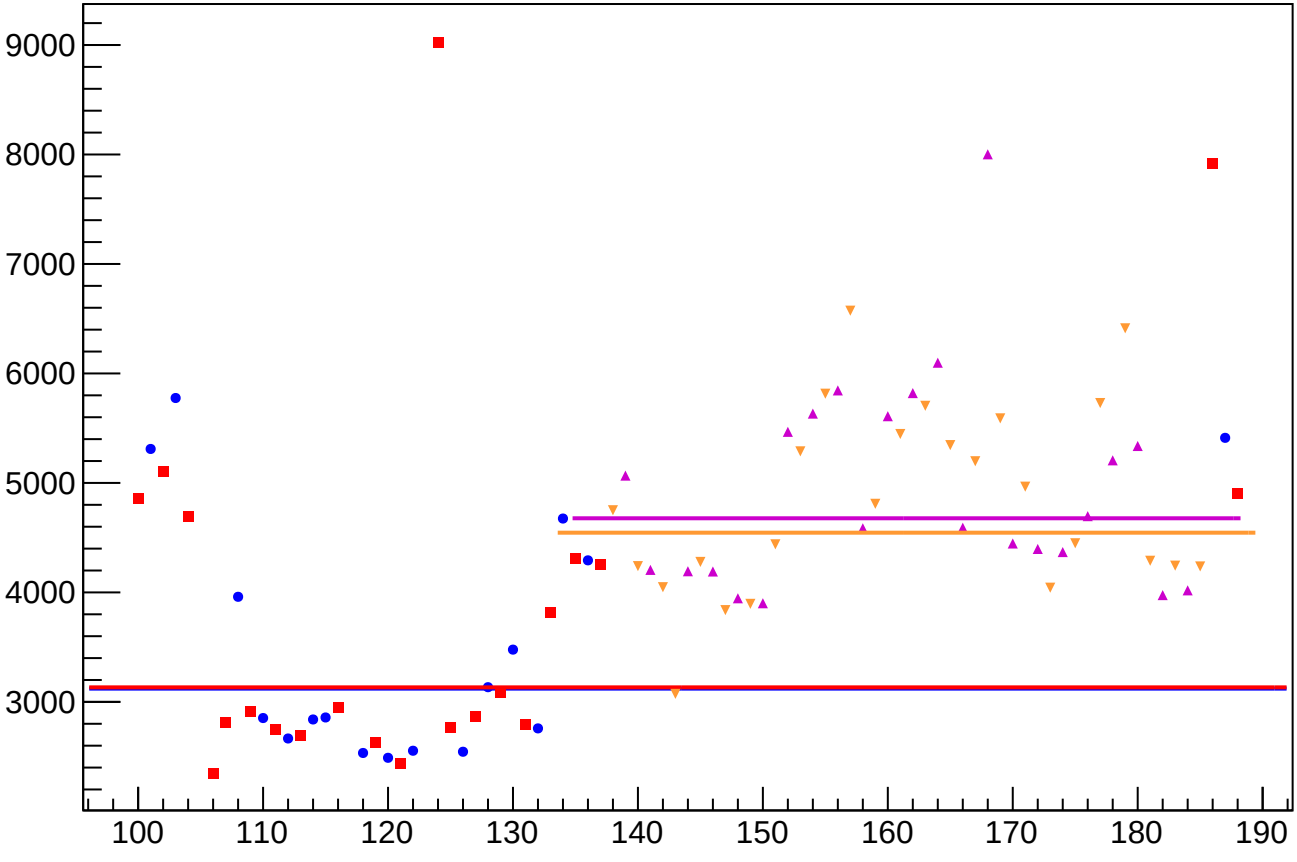
In: 3377.257+/-0.508 χ^2/NDF:7067114.2/39

Out: 3232.353+/-0.470 χ^2/NDF:8596454.3/45

All: 3299.107+/-0.345 χ^2/NDF: 15707396.3/8


asym_atl_dd_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
160
170
180
190
Right In: -209.056+/-1191.854 χ²/NDF: 17.0/16
Left Out: -573.122+/-1054.836 χ²/NDF:28.8/24
Right Out: -868.761+/-1119.759 χ²/NDF: 20.4/20
Left In: -398.404+/-1109.490 χ²/NDF:14.0/22
Left: -490.172+/-764.473 χ²/NDF: 42.8/47
Right: -559.463+/-816.087 χ²/NDF: 37.6/37
In: -310.498+/-812.086 χ²/NDF:31.1/39
Out: -712.123+/-767.808 χ²/NDF:49.2/45
All: -522.557+/-557.919 χ²/NDF: 80.4/85

asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 3121.267+/-0.843 χ^2/NDF: 1031820.2/16

Left Out: 4545.493+/-0.746 χ^2/NDF:1258528.5/24

Right Out: 3132.631+/-0.782 χ^2/NDF: 1383215.9/20

Left In: 4677.049+/-0.785 χ^2/NDF:959885.7/22

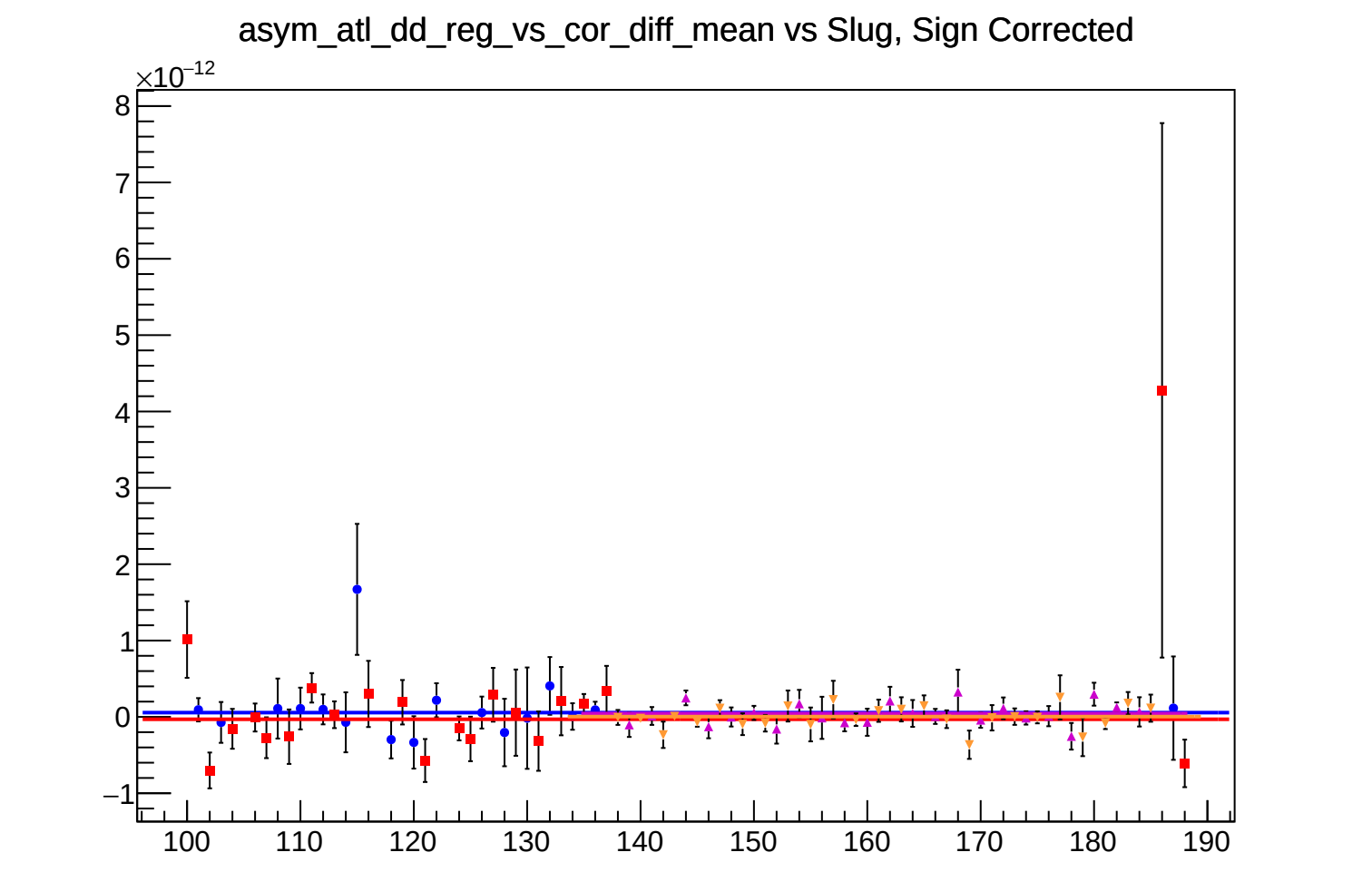
Left: 4607.951+/-0.541 χ^2/NDF: 2233183.6/47

Right: 3127.375+/-0.573 χ^2/NDF: 2415133.9/37

In: 3954.766+/-0.574 χ^2/NDF:3817449.0/39

Out: 3872.181+/-0.540 χ^2/NDF:4351666.4/45

All: 3910.911+/-0.393 χ^2/NDF: 8180099.1/85



Right In: 0.000+/-0.000 χ^2/NDF: 9.3/16

Left Out: 0.000+/-0.000 χ^2/NDF:18.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 35.1/20

Left In: 0.000+/-0.000 χ^2/NDF:20.6/22

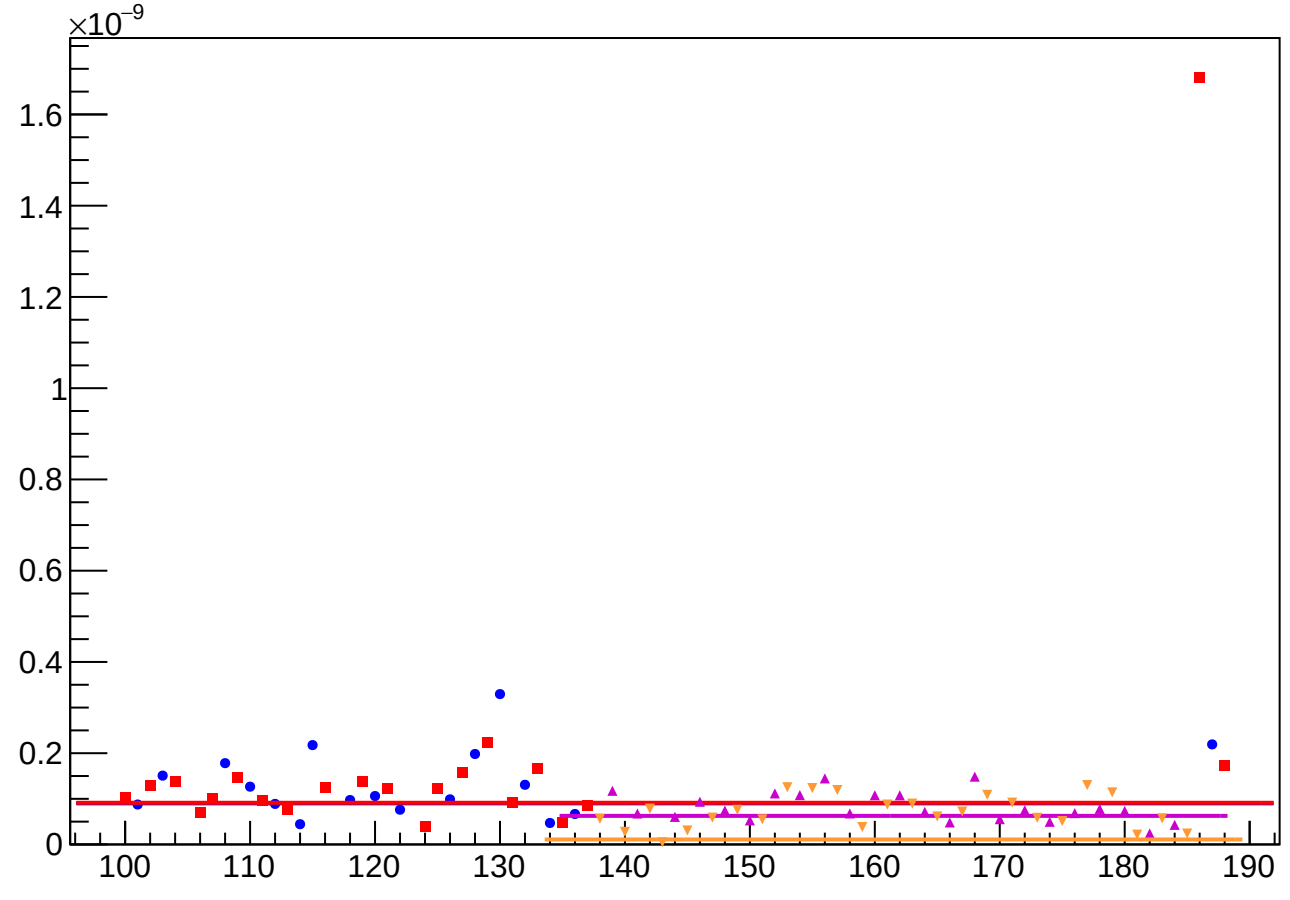
Left: 0.000+/-0.000 χ^2/NDF: 40.9/47

Right: 0.000+/-0.000 χ^2/NDF: 45.7/37

In: 0.000+/-0.000 χ^2/NDF:30.0/39

Out: 0.000+/-0.000 χ^2/NDF:53.7/45

All: 0.000+/-0.000 χ^2/NDF: 86.6/85



Right In: 0.000+/-0.000 χ^2/NDF: 1022902.8/16

Left Out: 0.000+/-0.000 χ^2/NDF:9705530.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 1566394.0/20

Left In: 0.000+/-0.000 χ^2/NDF:2092071.7/22

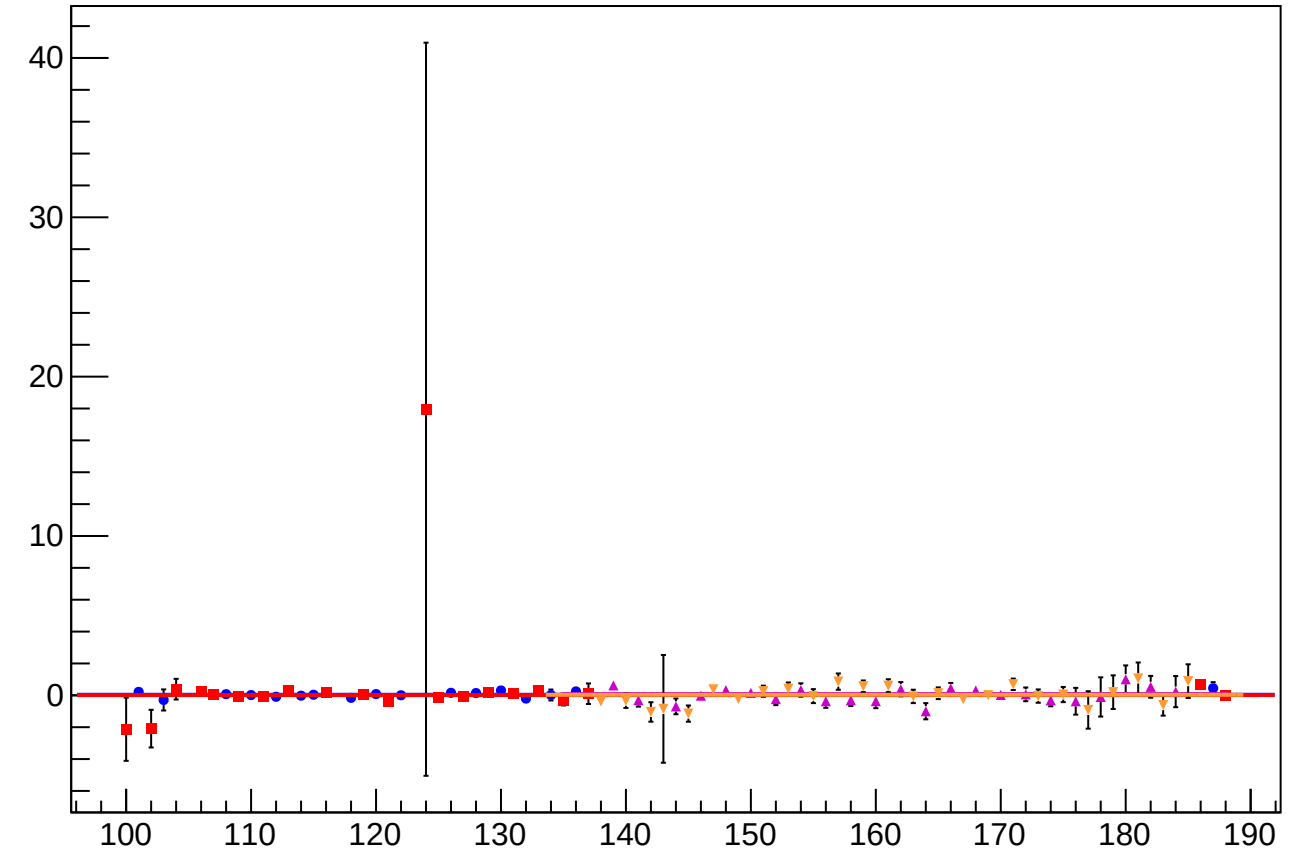
Left: 0.000+/-0.000 χ^2/NDF: 18964164.6/47

Right: 0.000+/-0.000 χ^2/NDF: 2589760.7/37

In: 0.000+/-0.000 χ^2/NDF:3508693.6/39

Out: 0.000+/-0.000 χ^2/NDF:15474575.9/45

All: 0.000+/-0.000 χ^2/NDF: 28570500.5/85



Right In: 0.034+/-0.045 χ^2/NDF: 10.1/16

Left Out: 0.036+/-0.077 χ^2/NDF:29.7/24

Right Out: 0.017+/-0.038 χ^2/NDF: 27.9/20

Left In: 0.078+/-0.076 χ^2/NDF:24.1/22

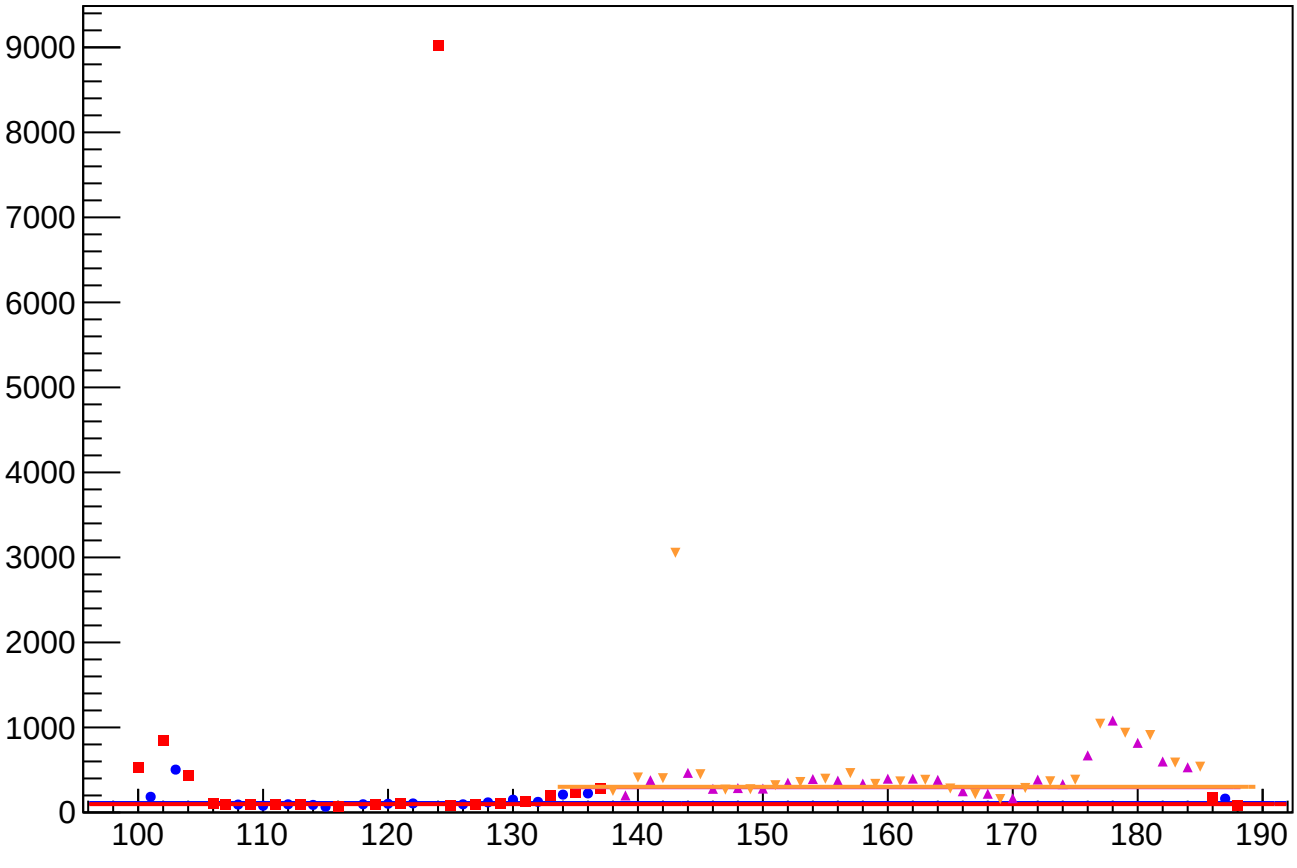
Left: 0.057+/-0.054 χ^2/NDF: 53.9/47

Right: 0.024+/-0.029 χ^2/NDF: 38.1/37

In: 0.045+/-0.039 χ^2/NDF:34.4/39

Out: 0.020+/-0.034 χ^2/NDF:57.6/45

All: 0.031+/-0.026 χ^2/NDF: 92.3/85



Right In: 110.719+/-0.032 χ^2/NDF: 1967977.1/16

Left Out: 301.735+/-0.054 χ^2/NDF:6693517.2/24

Right Out: 97.815+/-0.027 χ^2/NDF: 2883178.8/20

Left In: 296.875+/-0.054 χ^2/NDF:4917907.0/22

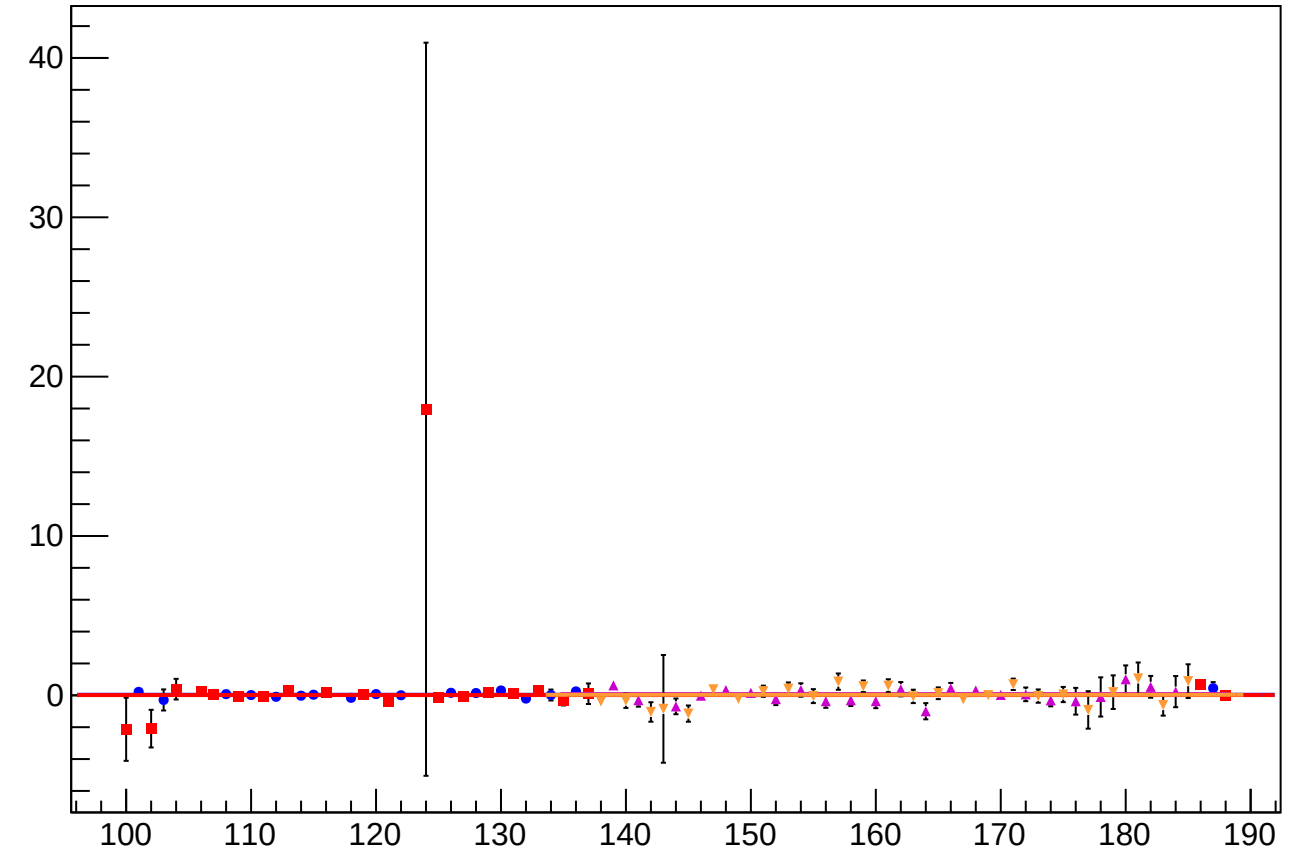
Left: 299.267+/-0.038 χ^2/NDF: 11615477.5/47

Right: 103.197+/-0.021 χ^2/NDF: 4947099.0/37

In: 159.264+/-0.027 χ^2/NDF:15817484.3/39

Out: 137.895+/-0.024 χ^2/NDF:20866633.8/45

All: 147.243+/-0.018 χ^2/NDF: 37027572.5/85



Right In: 0.034+/-0.045 χ^2/NDF: 10.1/16

Left Out: 0.036+/-0.077 χ^2/NDF:29.7/24

Right Out: 0.017+/-0.038 χ^2/NDF: 27.9/20

Left In: 0.078+/-0.076 χ^2/NDF:24.1/22

Left: 0.057+/-0.054 χ^2/NDF: 53.9/47

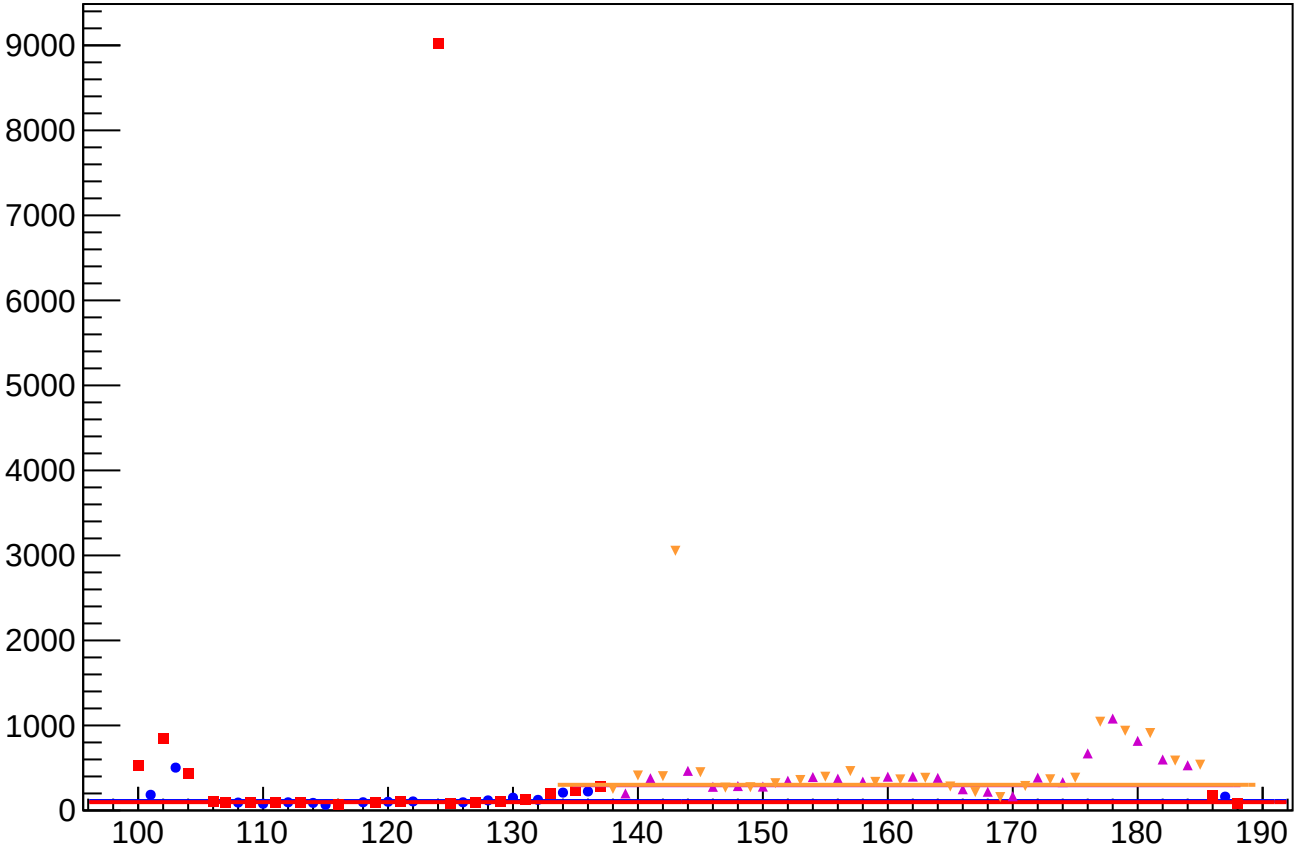
Right: 0.024+/-0.029 χ^2/NDF: 38.1/37

In: 0.045+/-0.039 χ^2/NDF:34.4/39

Out: 0.020+/-0.034 χ^2/NDF:57.6/45

All: 0.031+/-0.026 χ^2/NDF: 92.3/85

asym_atl_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 110.719+/-0.032 χ^2/NDF: 1967977.1/16

Left Out: 301.735+/-0.054 χ^2/NDF:6693517.2/24

Right Out: 97.815+/-0.027 χ^2/NDF: 2883178.8/20

Left In: 296.875+/-0.054 χ^2/NDF:4917907.0/22

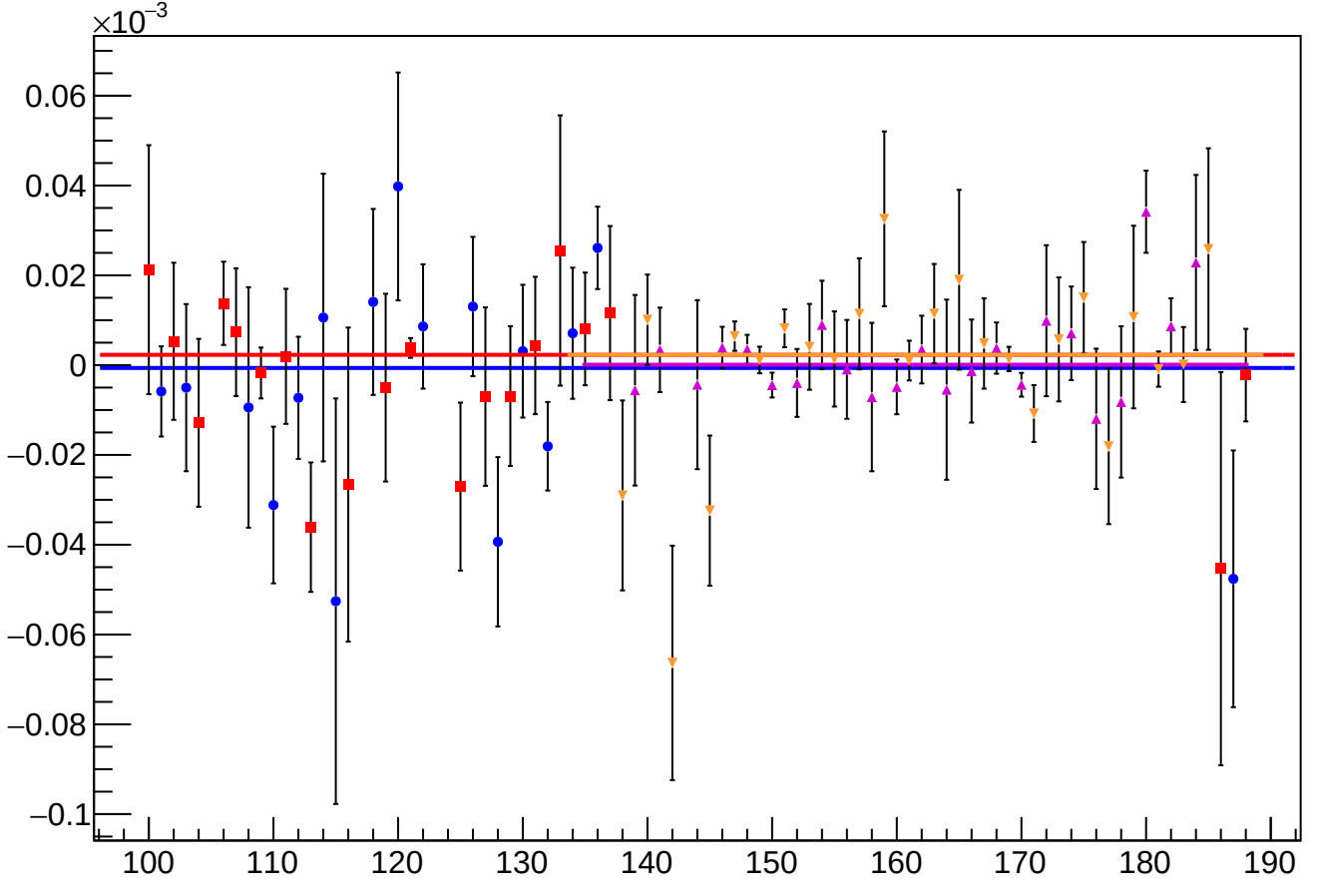
Left: 299.267+/-0.038 χ^2/NDF: 11615477.5/47

Right: 103.197+/-0.021 χ^2/NDF: 4947099.0/37

In: 159.264+/-0.027 χ^2/NDF:15817484.3/39

Out: 137.895+/-0.024 χ^2/NDF:20866633.8/45

All: 147.243+/-0.018 χ^2/NDF: 37027572.5/85



Right In: -0.000+/-0.000 χ^2/NDF: 28.3/16

Left Out: 0.000+/-0.000 χ^2/NDF:31.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 17.2/19

Left In: 0.000+/-0.000 χ^2/NDF:29.1/22

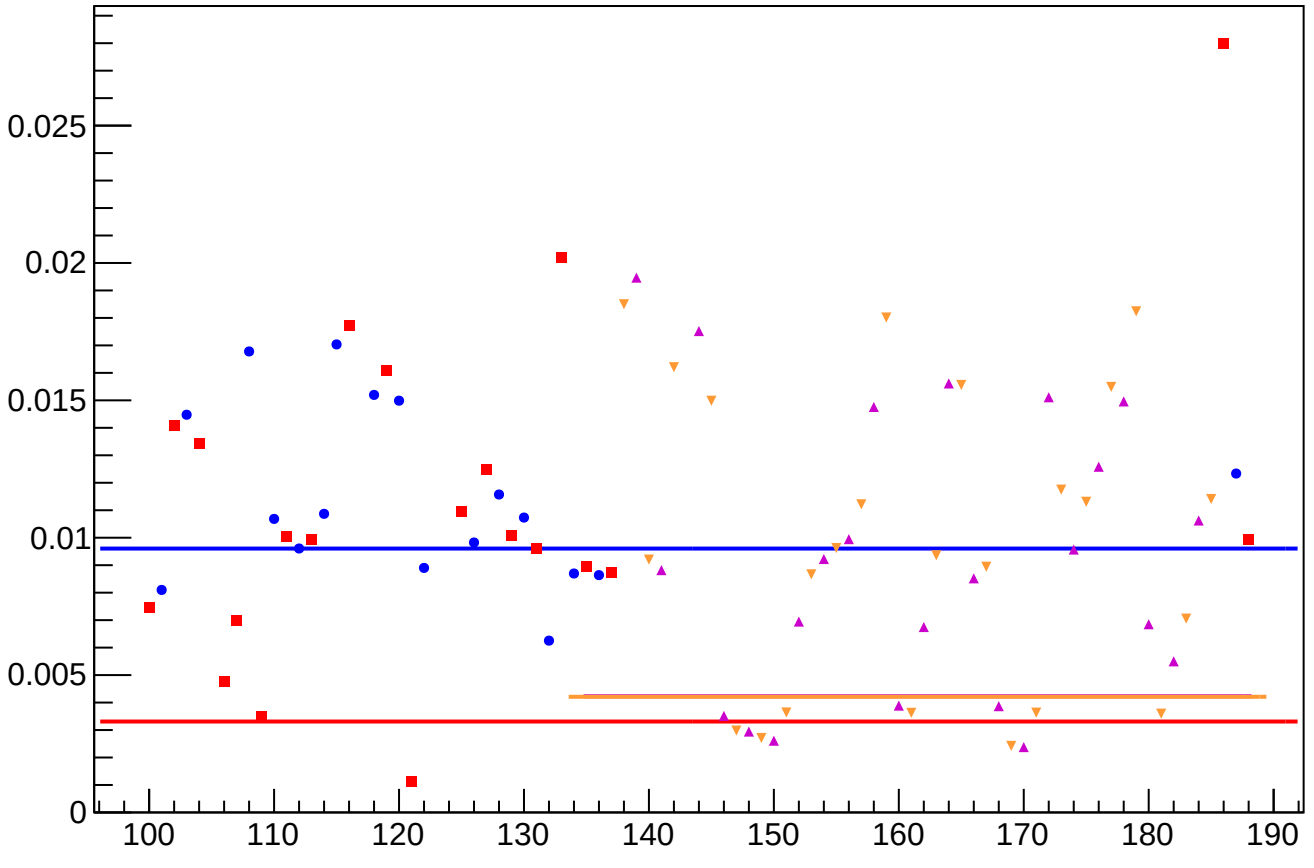
Left: 0.000+/-0.000 χ^2/NDF: 61.8/46

Right: 0.000+/-0.000 χ^2/NDF: 46.0/36

In: 0.000+/-0.000 χ^2/NDF:57.5/39

Out: 0.000+/-0.000 χ^2/NDF:48.3/43

All: 0.000+/-0.000 χ^2/NDF: 107.9/83



Right In: 0.010+/-0.000 χ^2/NDF: 944570.5/16

Left Out: 0.004+/-0.000 χ^2/NDF:12078055.5/23

Right Out: 0.003+/-0.000 χ^2/NDF: 9617611.6/19

Left In: 0.004+/-0.000 χ^2/NDF:11034220.9/22

Left: 0.004+/-0.000 χ^2/NDF: 23112509.3/46

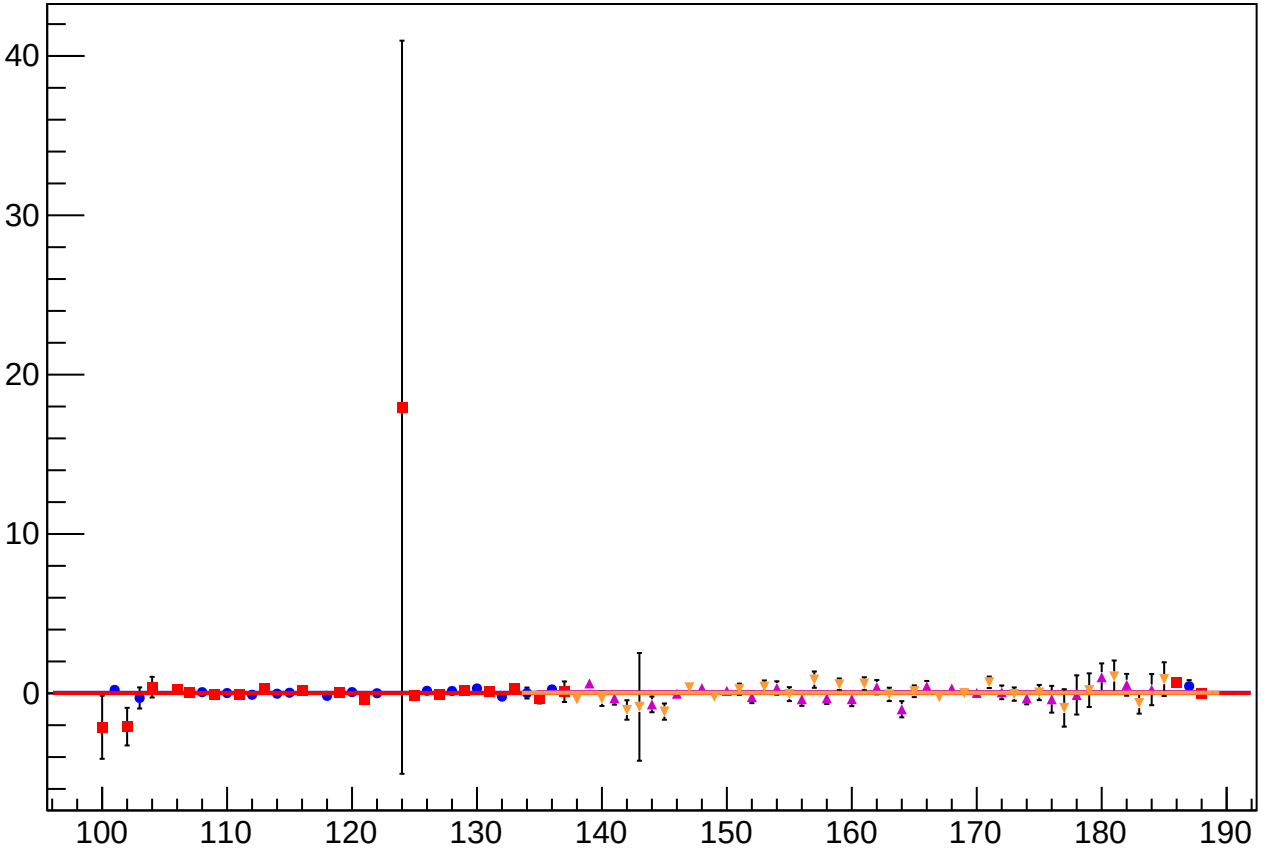
Right: 0.005+/-0.000 χ^2/NDF: 15247321.7/36

In: 0.005+/-0.000 χ^2/NDF:15757674.5/39

Out: 0.004+/-0.000 χ^2/NDF:22033855.0/43

All: 0.004+/-0.000 χ^2/NDF: 38410698.6/83

asym_atl_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.034+/-0.045 χ^2/NDF: 10.1/16

Left Out: 0.036+/-0.077 χ^2/NDF:29.7/24

Right Out: 0.017+/-0.038 χ^2/NDF: 27.9/20

Left In: 0.078+/-0.076 χ^2/NDF:24.1/22

Left: 0.057+/-0.054 χ^2/NDF: 53.9/47

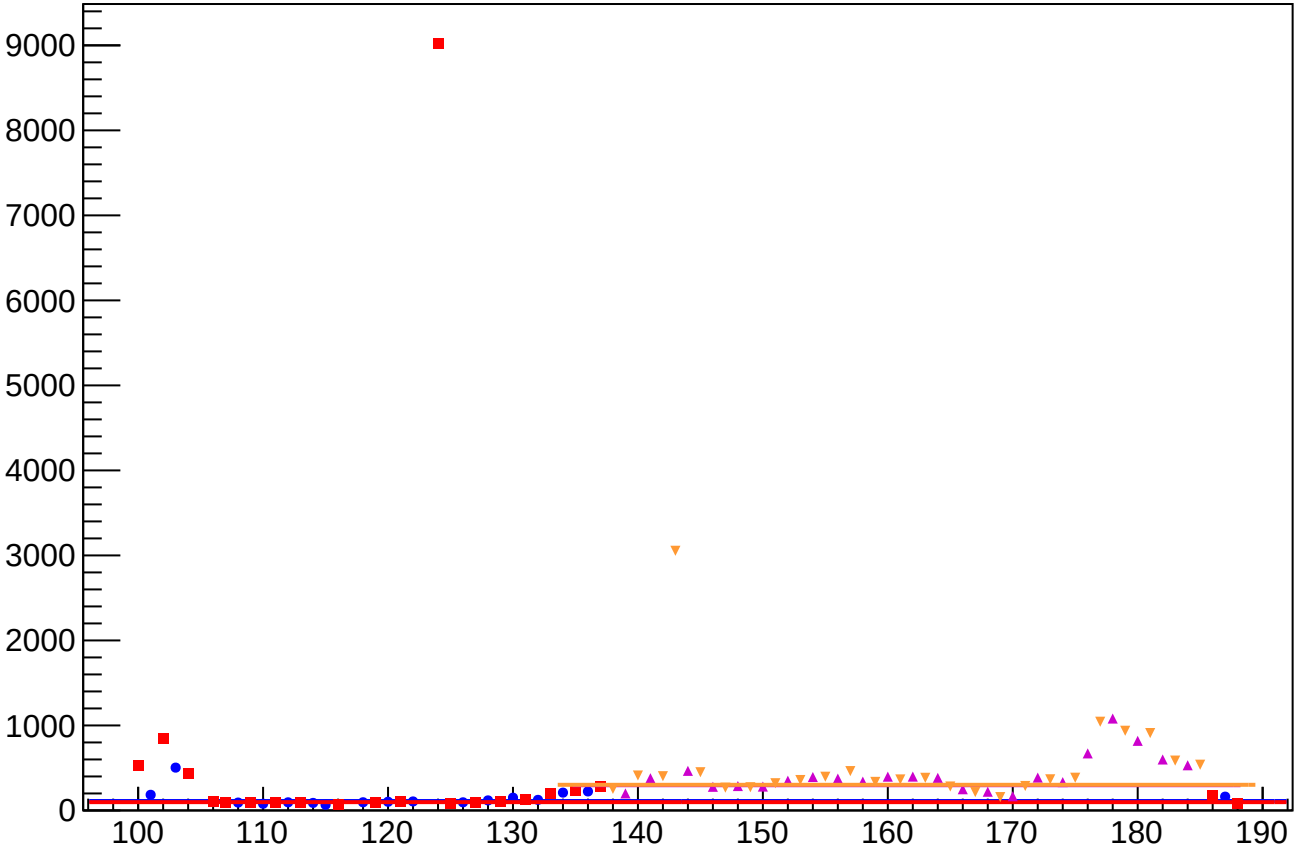
Right: 0.024+/-0.029 χ^2/NDF: 38.1/37

In: 0.045+/-0.039 χ^2/NDF:34.4/39

Out: 0.020+/-0.034 χ^2/NDF:57.6/45

All: 0.031+/-0.026 χ^2/NDF: 92.3/85

asym_atl_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 110.720+/-0.032 χ^2/NDF: 1967912.4/16

Left Out: 301.737+/-0.054 χ^2/NDF:6693577.7/24

Right Out: 97.816+/-0.027 χ^2/NDF: 2883059.4/20

Left In: 296.878+/-0.054 χ^2/NDF:4917864.1/22

Left: 299.269+/-0.038 χ^2/NDF: 11615492.5/47

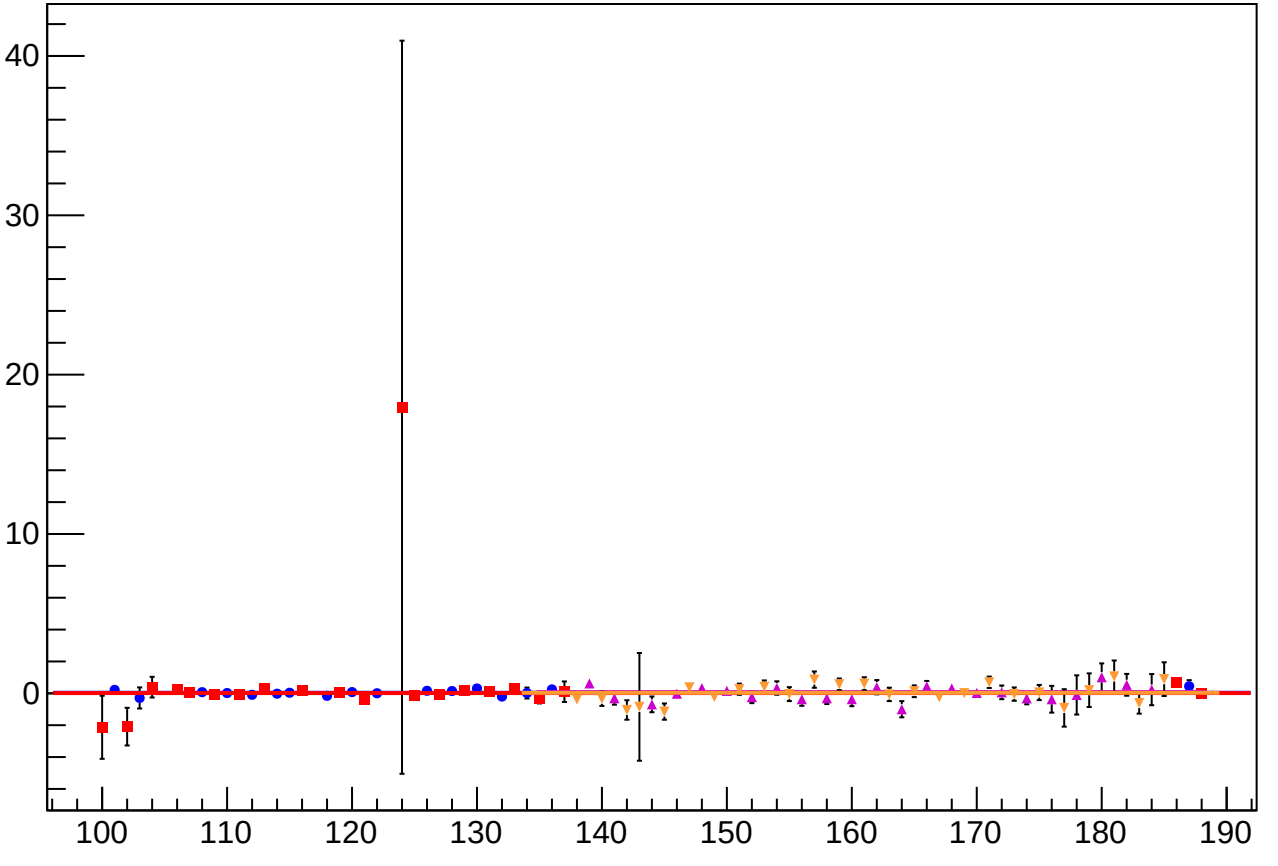
Right: 103.198+/-0.021 χ^2/NDF: 4946910.3/37

In: 159.265+/-0.027 χ^2/NDF:15817429.3/39

Out: 137.896+/-0.024 χ^2/NDF:20866487.0/45

All: 147.244+/-0.018 χ^2/NDF: 37027364.0/85

asym_atl_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.034+/-0.045 χ^2/NDF: 10.1/16

Left Out: 0.036+/-0.077 χ^2/NDF:29.7/24

Right Out: 0.017+/-0.038 χ^2/NDF: 27.9/20

Left In: 0.078+/-0.076 χ^2/NDF:24.1/22

Left: 0.057+/-0.054 χ^2/NDF: 53.9/47

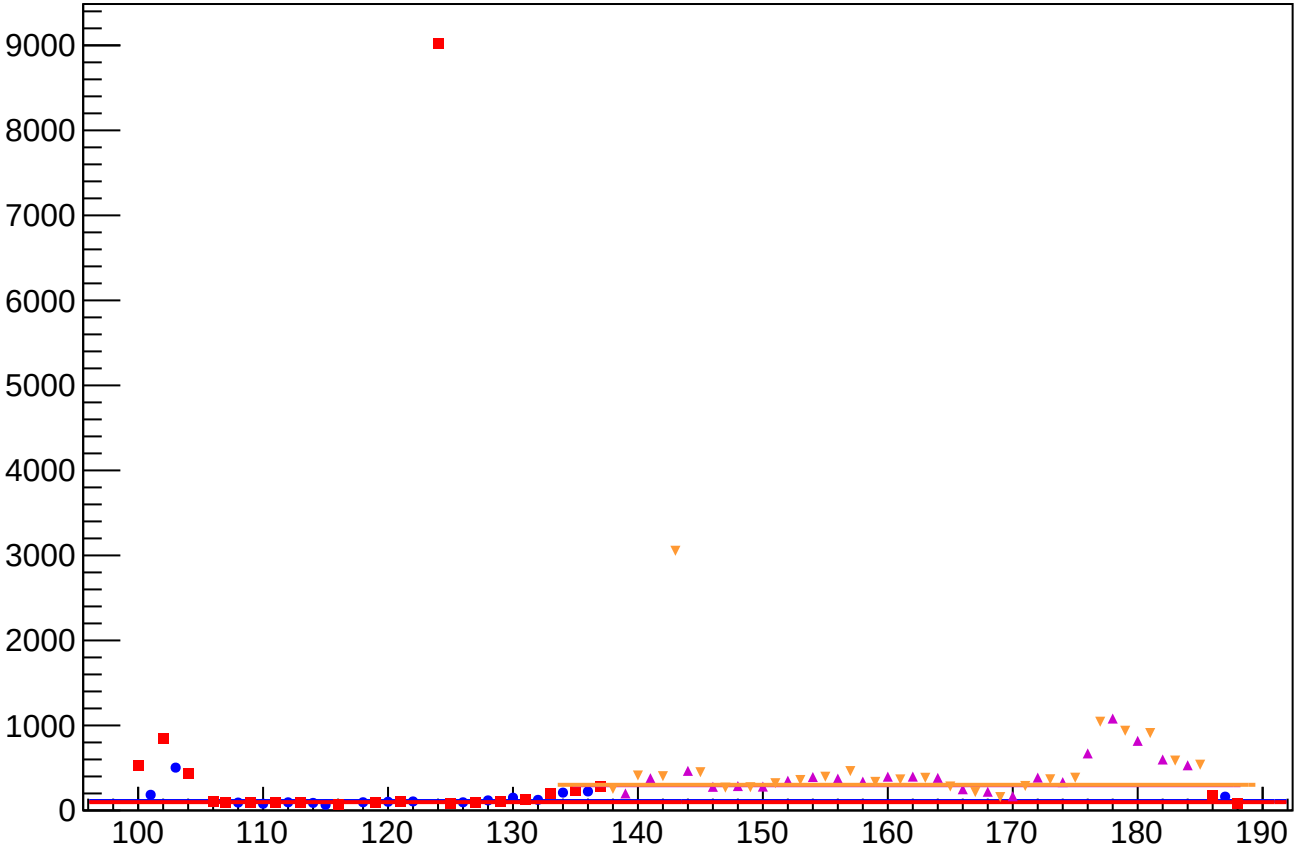
Right: 0.024+/-0.029 χ^2/NDF: 38.1/37

In: 0.045+/-0.039 χ^2/NDF:34.4/39

Out: 0.020+/-0.034 χ^2/NDF:57.6/45

All: 0.031+/-0.026 χ^2/NDF: 92.3/85

asym_atl_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 110.720+/-0.032 χ^2/NDF: 1967912.4/16

Left Out: 301.737+/-0.054 χ^2/NDF:6693577.7/24

Right Out: 97.816+/-0.027 χ^2/NDF: 2883059.4/20

Left In: 296.878+/-0.054 χ^2/NDF:4917864.1/22

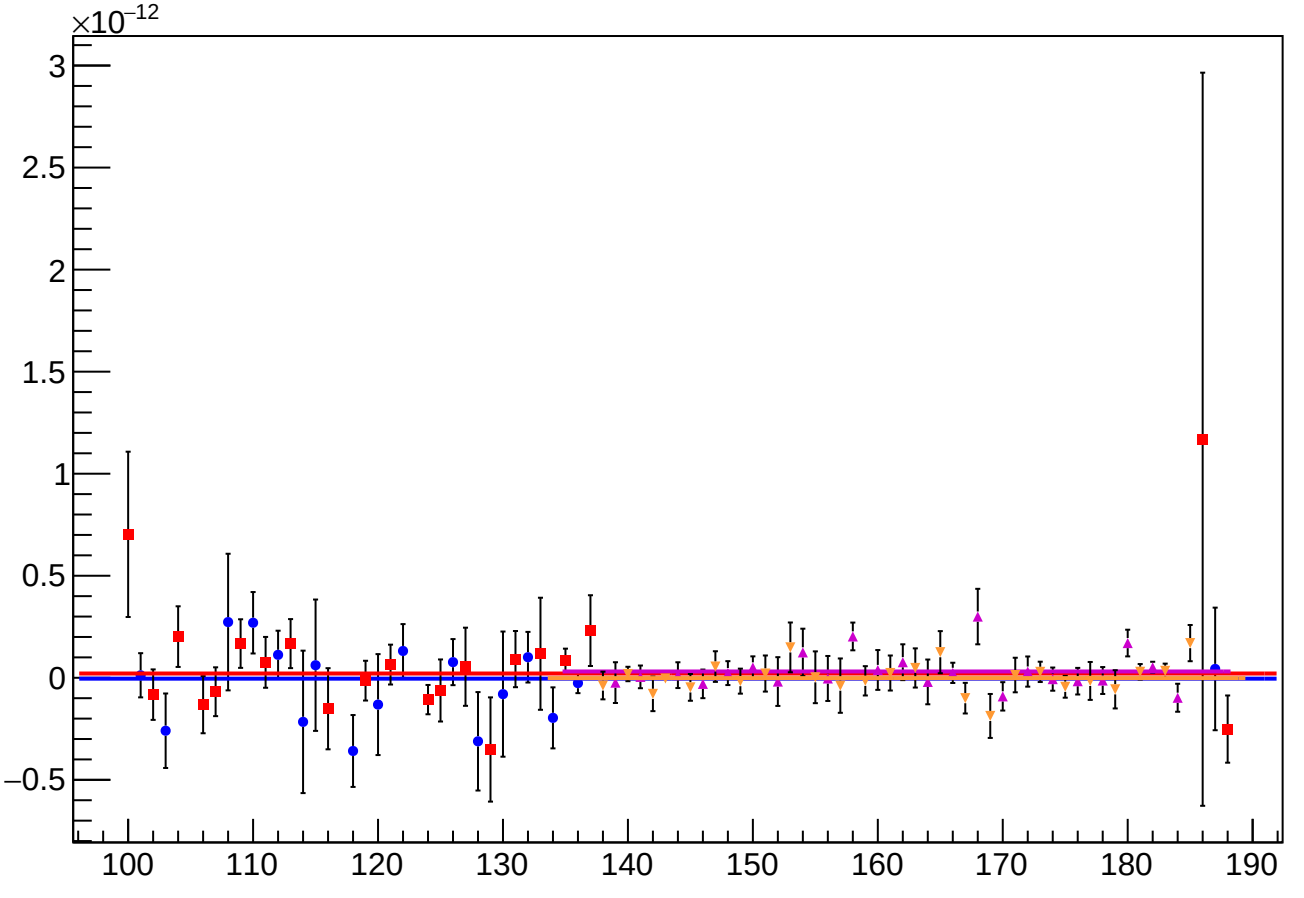
Left: 299.269+/-0.038 χ^2/NDF: 11615492.5/47

Right: 103.198+/-0.021 χ^2/NDF: 4946910.3/37

In: 159.265+/-0.027 χ^2/NDF:15817429.3/39

Out: 137.896+/-0.024 χ^2/NDF:20866487.0/45

All: 147.244+/-0.018 χ^2/NDF: 37027364.0/85



Right In: -0.000+/-0.000 χ^2/NDF: 17.5/16

Left Out: -0.000+/-0.000 χ^2/NDF:17.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 22.9/20

Left In: 0.000+/-0.000 χ^2/NDF:26.4/22

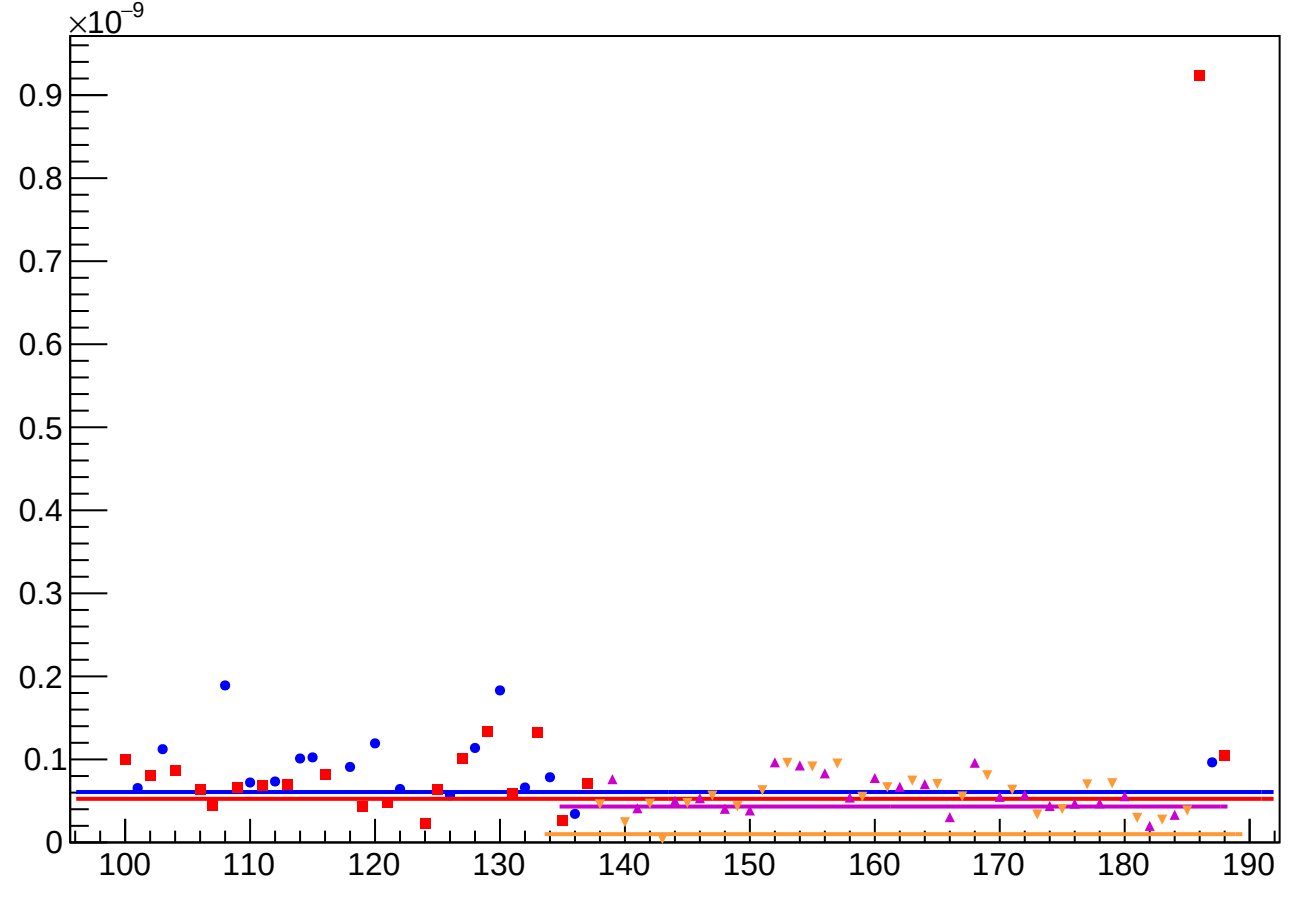
Left: 0.000+/-0.000 χ^2/NDF: 49.3/47

Right: 0.000+/-0.000 χ^2/NDF: 40.7/37

In: 0.000+/-0.000 χ^2/NDF:44.9/39

Out: -0.000+/-0.000 χ^2/NDF:41.3/45

All: 0.000+/-0.000 χ^2/NDF: 90.2/85



Right In: 0.000+/-0.000 χ^2/NDF: 1774787.8/16

Left Out: 0.000+/-0.000 χ^2/NDF:18523402.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2343843.1/20

Left In: 0.000+/-0.000 χ^2/NDF:4049081.0/22

Left: 0.000+/-0.000 χ^2/NDF: 33507700.8/47

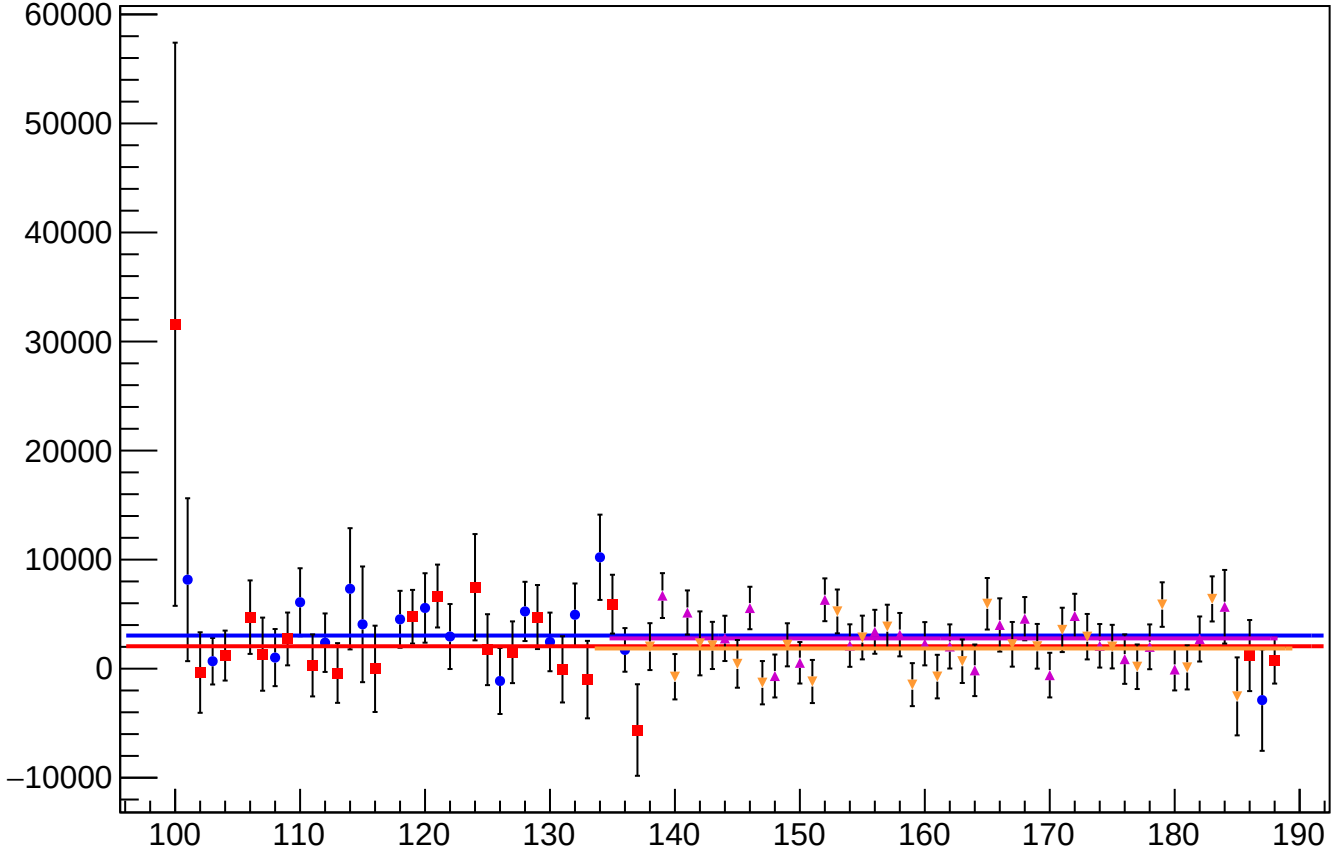
Right: 0.000+/-0.000 χ^2/NDF: 4196695.6/37

In: 0.000+/-0.000 χ^2/NDF:6345181.8/39

Out: 0.000+/-0.000 χ^2/NDF:25717306.6/45

All: 0.000+/-0.000 χ^2/NDF: 45544270.0/85

reg_asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 3037.626+/-722.274 χ^2/NDF: 13.4/16

Left Out: 1851.999+/-420.006 χ^2/NDF:31.5/24

Right Out: 2056.353+/-659.750 χ^2/NDF: 17.0/20

Left In: 2775.769+/-430.870 χ^2/NDF:25.4/22

Left: 2302.092+/-300.757 χ^2/NDF: 59.3/47

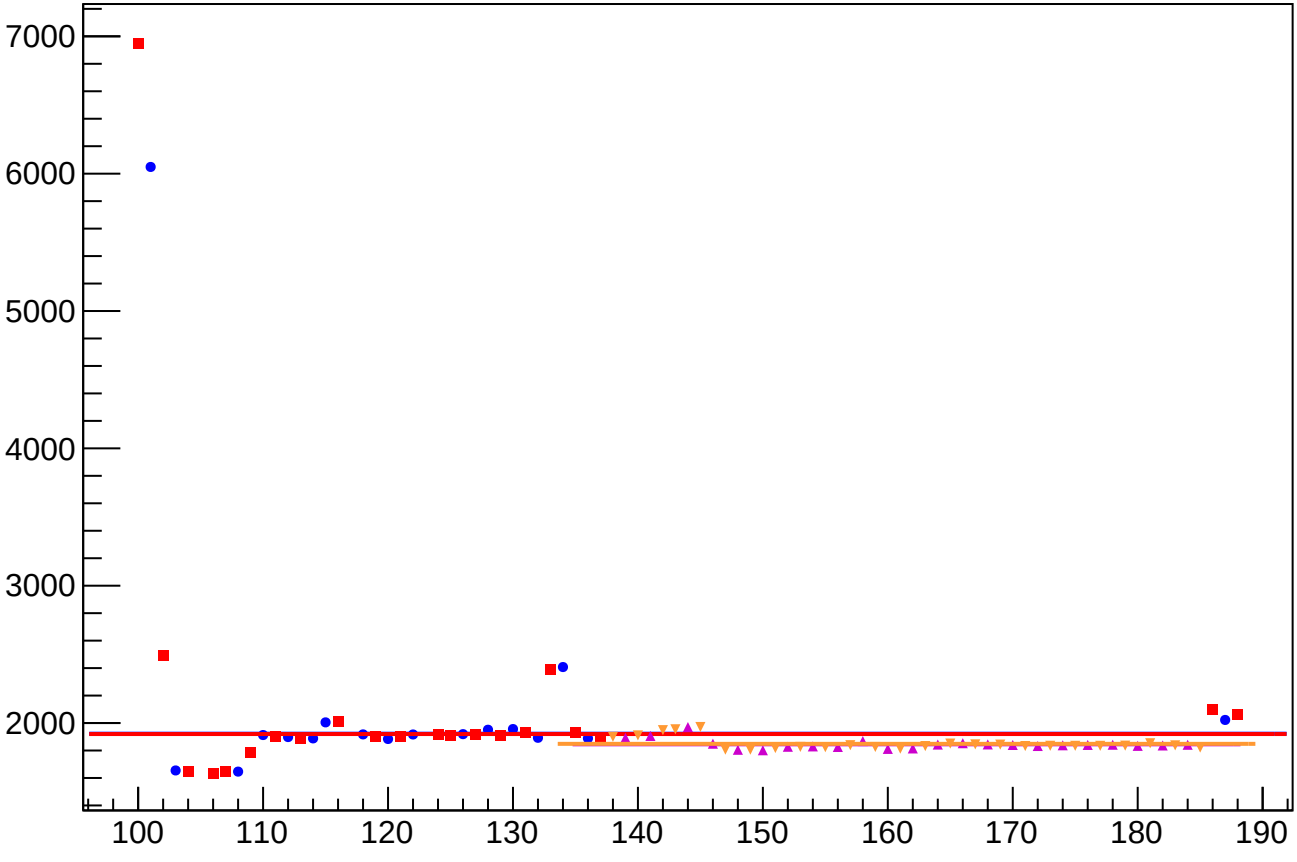
Right: 2502.687+/-487.121 χ^2/NDF: 31.4/37

In: 2844.497+/-370.030 χ^2/NDF:38.9/39

Out: 1910.934+/-354.303 χ^2/NDF:48.6/45

All: 2357.455+/-255.909 χ^2/NDF: 90.8/85

reg_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1922.302+/-0.511 χ^2/NDF: 698283.0/16

Left Out: 1848.522+/-0.297 χ^2/NDF:20886.6/24

Right Out: 1919.894+/-0.465 χ^2/NDF: 239806.5/20

Left In: 1845.061+/-0.305 χ^2/NDF:14026.0/22

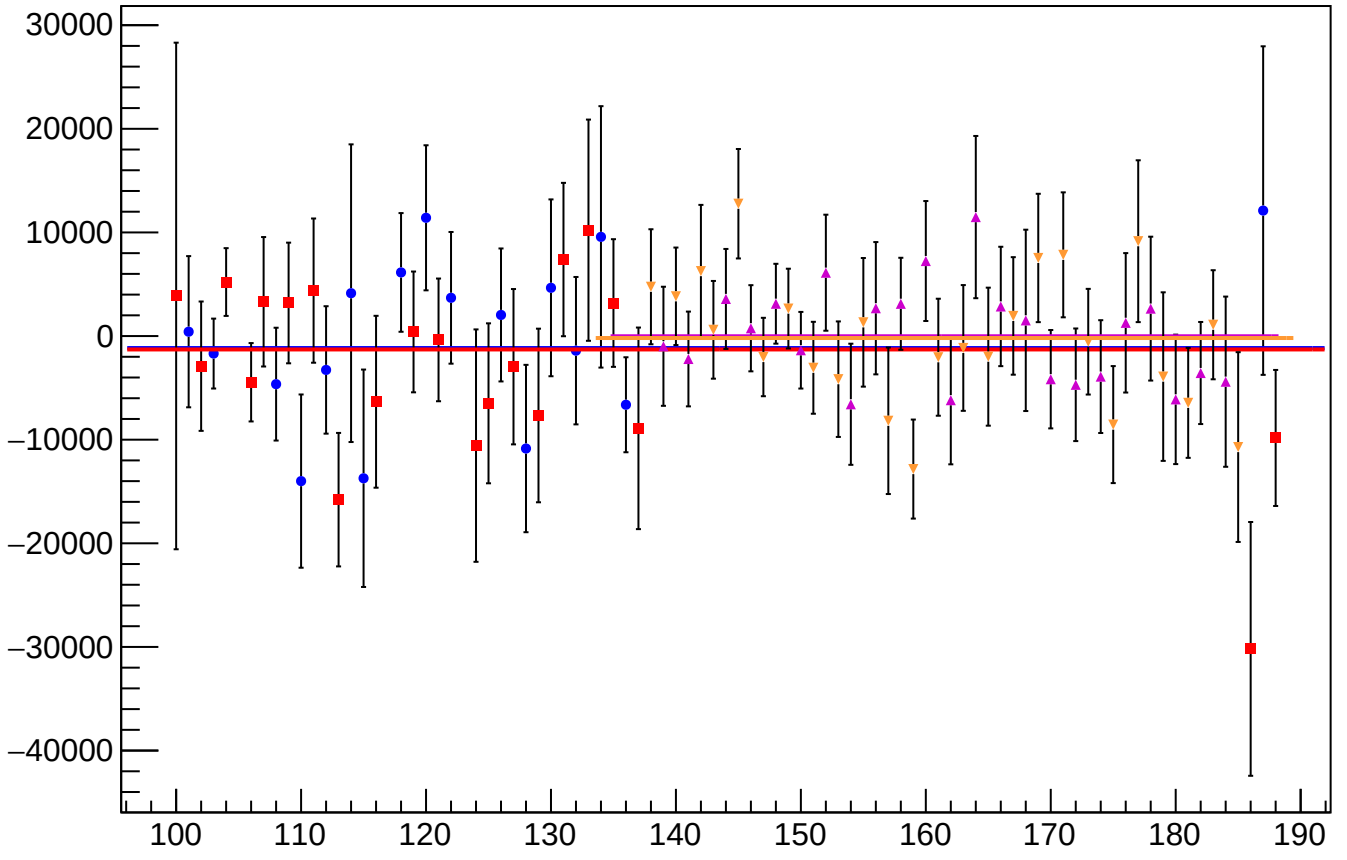
Left: 1846.835+/-0.213 χ^2/NDF: 34978.8/47

Right: 1920.986+/-0.344 χ^2/NDF: 938101.6/37

In: 1865.334+/-0.262 χ^2/NDF:729178.7/39

Out: 1869.193+/-0.250 χ^2/NDF:277420.0/45

All: 1867.349+/-0.181 χ^2/NDF: 1006712.3/85



Right In: -1157.800+/-1577.563 χ^2/NDF: 15.0/16

Left Out: -189.458+/-1088.618 χ^2/NDF:28.9/24

Right Out: -1292.979+/-1395.047 χ^2/NDF: 24.8/20

Left In: -19.391+/-1112.574 χ^2/NDF:13.7/22

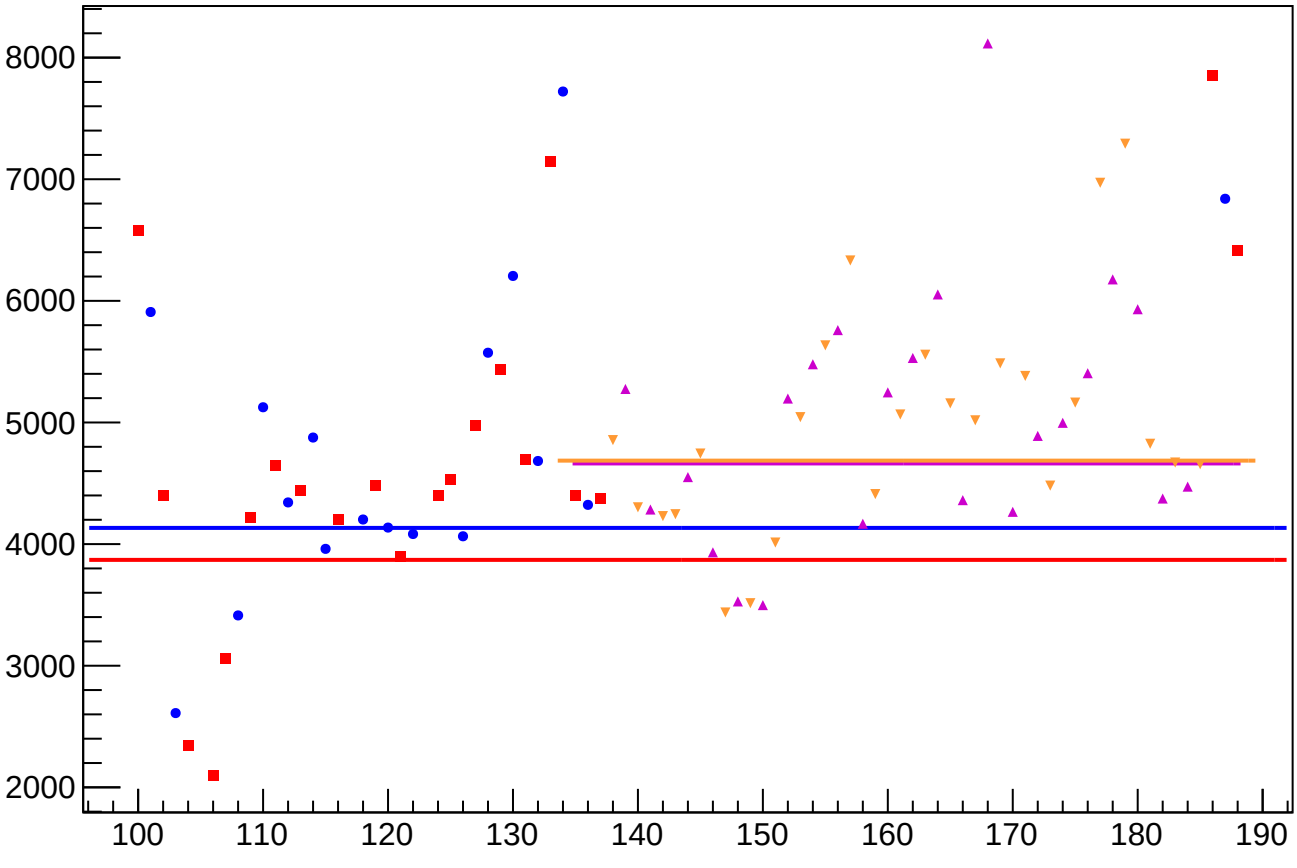
Left: -106.275+/-778.101 χ^2/NDF: 42.7/47

Right: -1233.658+/-1045.046 χ^2/NDF: 39.8/37

In: -397.531+/-909.208 χ^2/NDF:29.1/39

Out: -607.110+/-858.234 χ^2/NDF:54.1/45

All: -508.360+/-624.106 χ^2/NDF: 83.2/85



Right In: 4133.209+/-1.116 χ^2/NDF: 1014997.8/16

Left Out: 4686.353+/-0.770 χ^2/NDF:1185063.7/24

Right Out: 3870.254+/-0.986 χ^2/NDF: 1899315.5/20

Left In: 4663.272+/-0.787 χ^2/NDF:1286726.4/22

Left: 4675.064+/-0.550 χ^2/NDF: 2472229.8/47

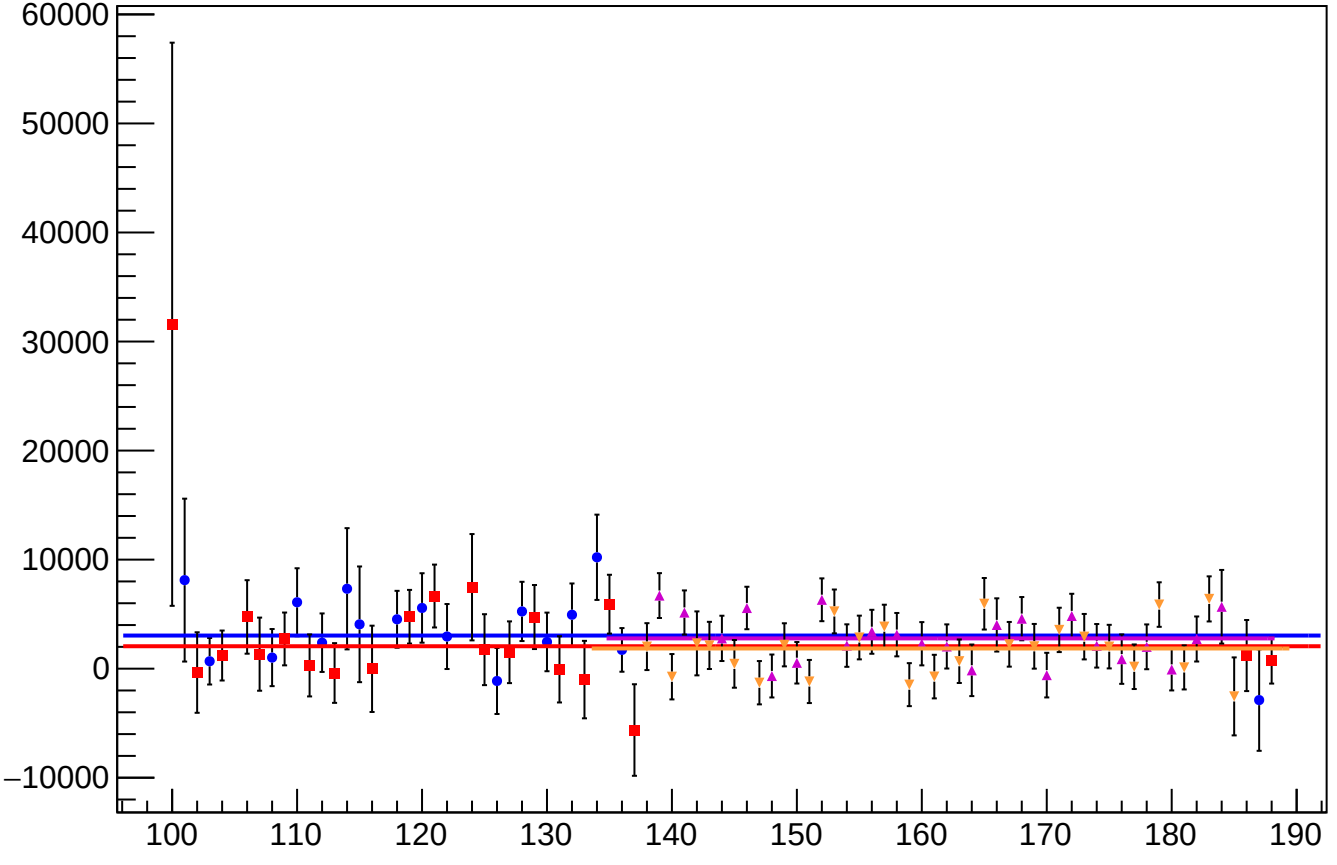
Right: 3985.647+/-0.739 χ^2/NDF: 2945495.9/37

In: 4487.204+/-0.643 χ^2/NDF:2452516.9/39

Out: 4377.482+/-0.607 χ^2/NDF:3509780.1/45

All: 4429.181+/-0.441 χ^2/NDF: 5977699.5/85

cor_asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 3036.934+/-722.274 χ^2/NDF: 13.4/16

Left Out: 1851.888+/-420.006 χ^2/NDF:31.5/24

Right Out: 2057.270+/-659.753 χ^2/NDF: 17.0/20

Left In: 2775.745+/-430.870 χ^2/NDF:25.4/22

Left: 2302.023+/-300.757 χ^2/NDF: 59.3/47

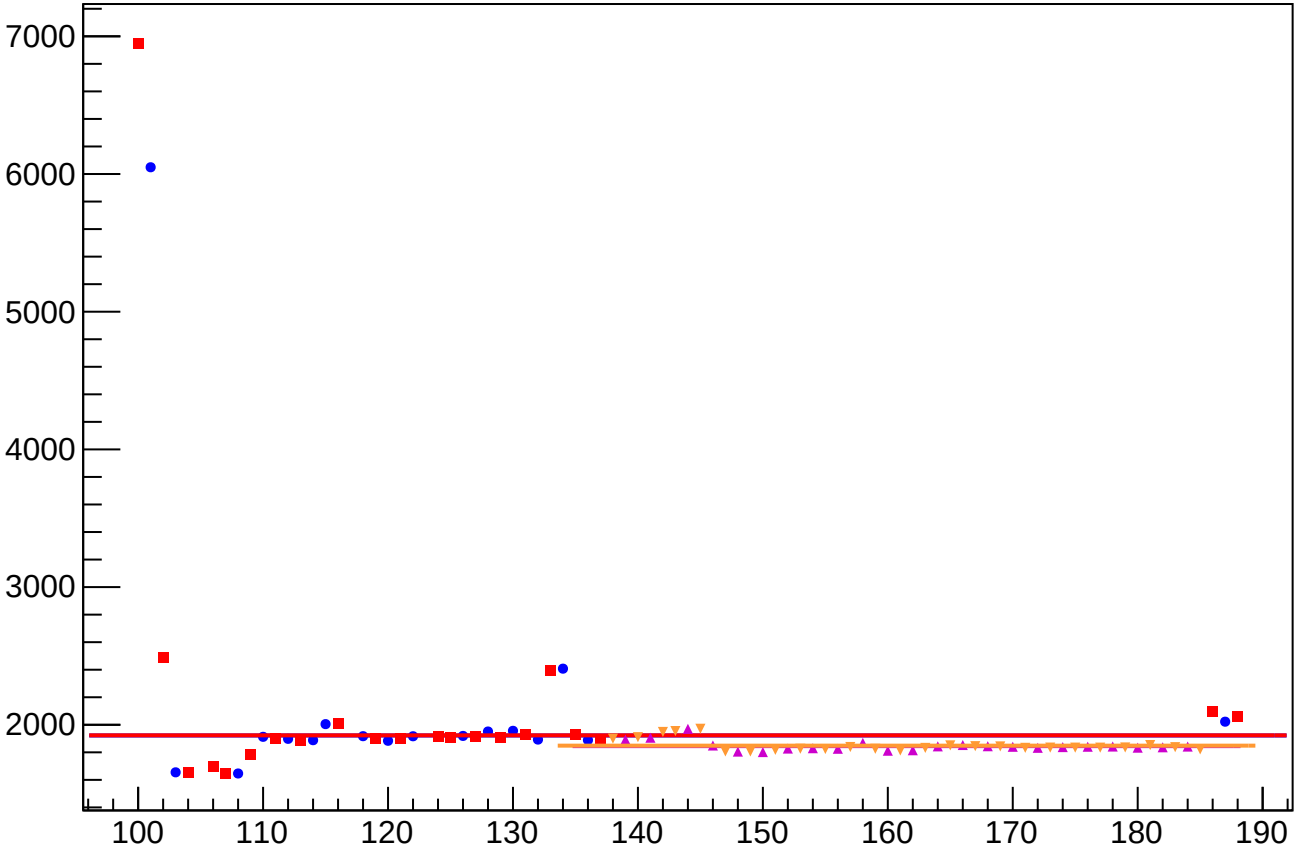
Right: 2502.874+/-487.122 χ^2/NDF: 31.4/37

In: 2844.298+/-370.030 χ^2/NDF:38.9/39

Out: 1911.119+/-354.303 χ^2/NDF:48.6/45

All: 2357.457+/-255.910 χ^2/NDF: 90.8/85

cor_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1922.302+/-0.511 χ^2/NDF: 698282.1/16

Left Out: 1848.522+/-0.297 χ^2/NDF:20886.6/24

Right Out: 1923.423+/-0.466 χ^2/NDF: 232404.3/20

Left In: 1845.061+/-0.305 χ^2/NDF:14026.0/22

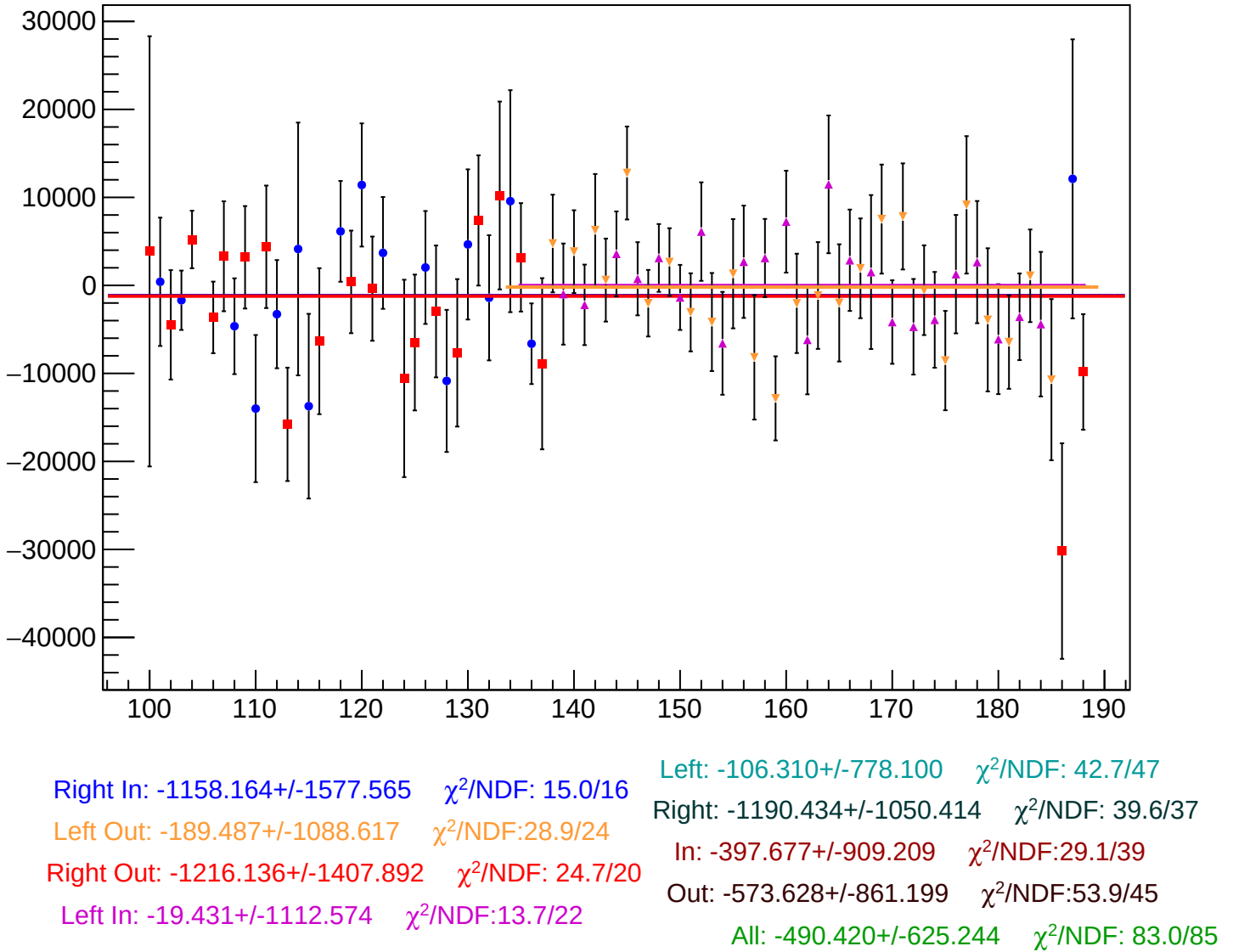
Left: 1846.835+/-0.213 χ^2/NDF: 34978.8/47

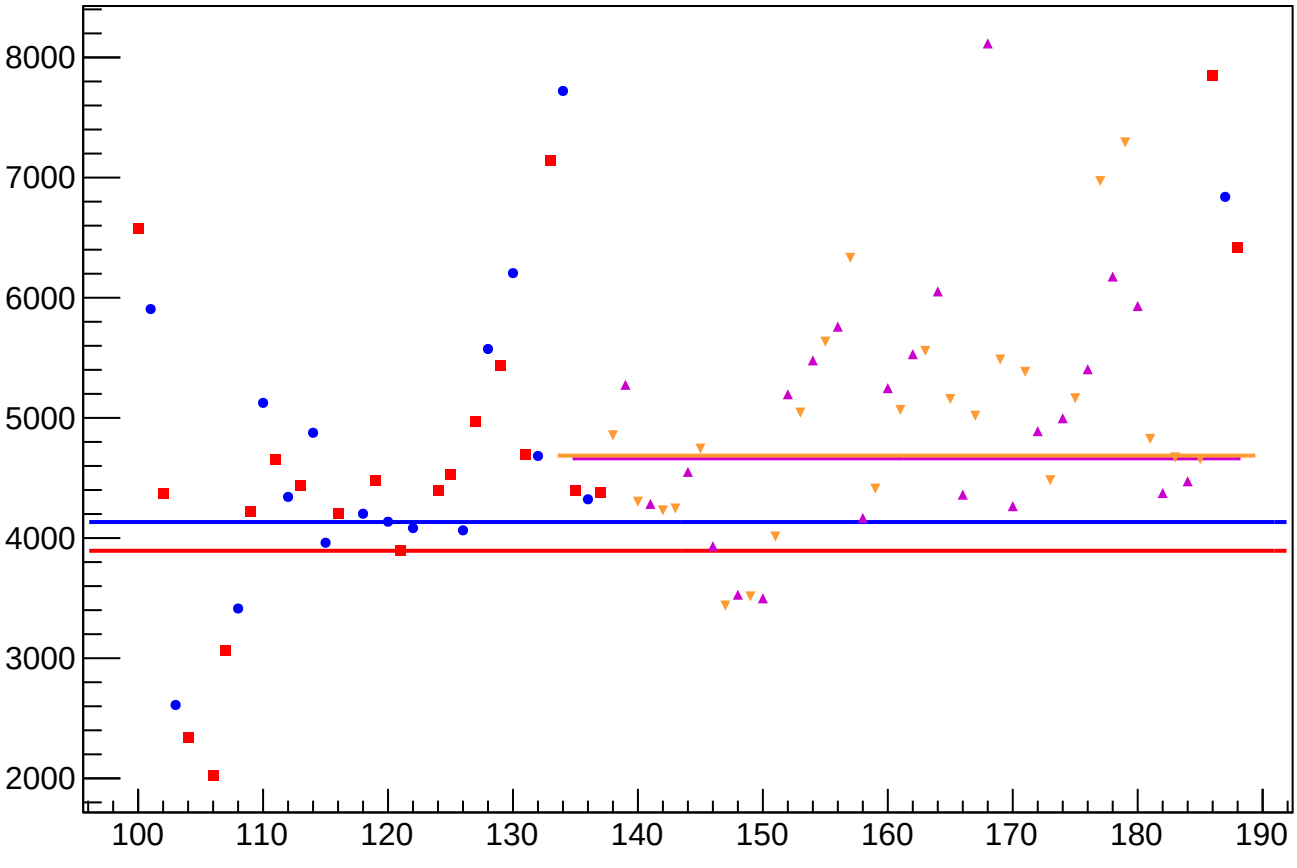
Right: 1922.914+/-0.344 χ^2/NDF: 930689.0/37

In: 1865.334+/-0.262 χ^2/NDF:729178.0/39

Out: 1870.165+/-0.250 χ^2/NDF:271670.0/45

All: 1867.855+/-0.181 χ^2/NDF: 1001025.9/85


asym_atr_avg_cor_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
160
170
180
190
Right In: -1158.164+/-1577.565 χ²/NDF: 15.0/16
Left Out: -189.487+/-1088.617 χ²/NDF:28.9/24
Right Out: -1216.136+/-1407.892 χ²/NDF: 24.7/20
Left In: -19.431+/-1112.574 χ²/NDF:13.7/22
Left: -106.310+/-778.100 χ²/NDF: 42.7/47
Right: -1190.434+/-1050.414 χ²/NDF: 39.6/37
In: -397.677+/-909.209 χ²/NDF:29.1/39
Out: -573.628+/-861.199 χ²/NDF:53.9/45
All: -490.420+/-625.244 χ²/NDF: 83.0/85



Right In: 4133.301+/-1.116 χ^2/NDF: 1014495.9/16

Left Out: 4686.346+/-0.770 χ^2/NDF:1185089.0/24

Right Out: 3894.166+/-0.996 χ^2/NDF: 1869698.4/20

Left In: 4663.273+/-0.787 χ^2/NDF:1286722.8/22

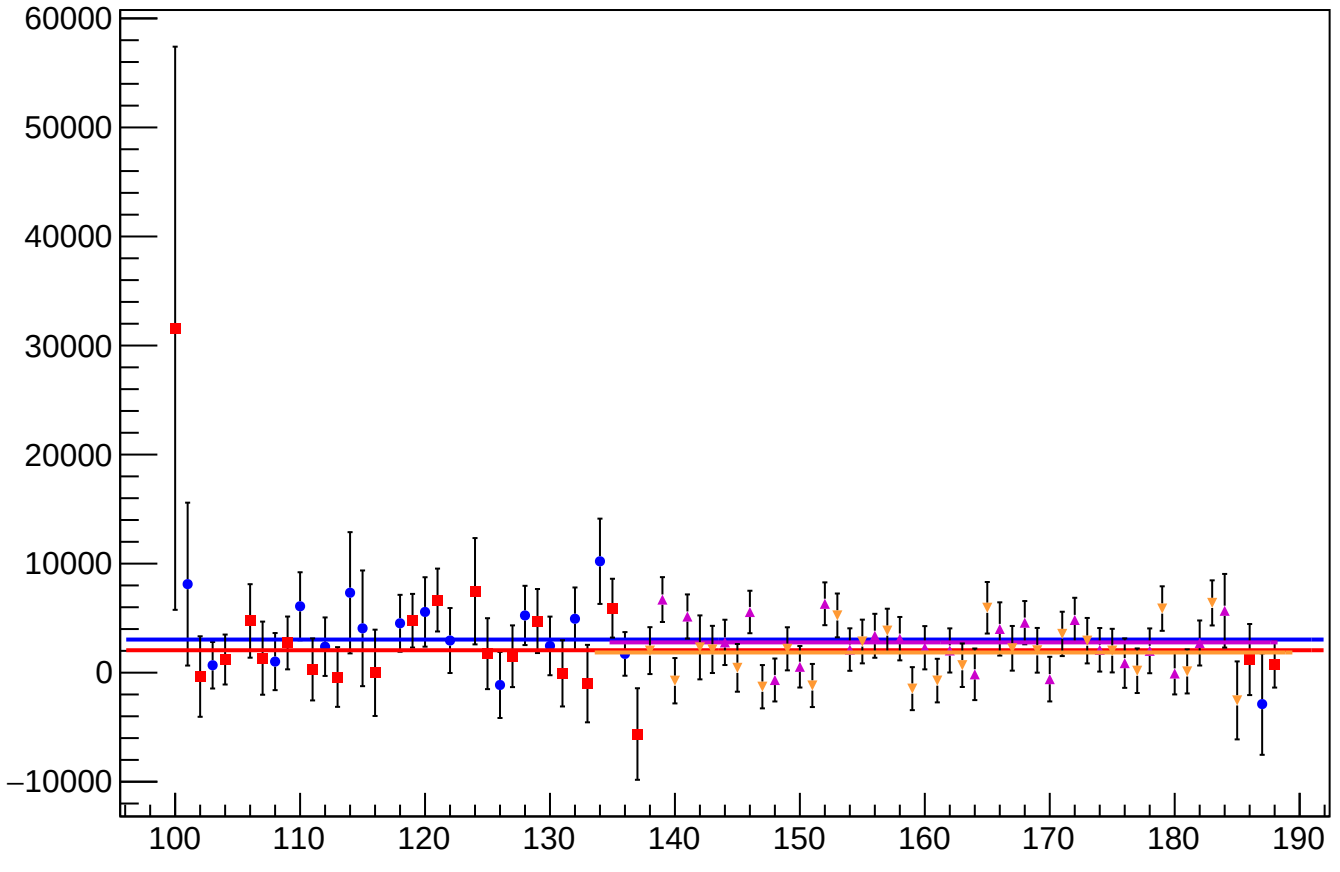
Left: 4675.061+/-0.550 χ^2/NDF: 2472251.2/47

Right: 4000.186+/-0.743 χ^2/NDF: 2909775.8/37

In: 4487.236+/-0.643 χ^2/NDF:2451959.7/39

Out: 4389.936+/-0.609 χ^2/NDF:3451061.6/45

All: 4435.949+/-0.442 χ^2/NDF: 5915094.2/85



Right In: 3036.934+/-722.274 χ^2/NDF: 13.4/16

Left Out: 1851.888+/-420.006 χ^2/NDF:31.5/24

Right Out: 2057.270+/-659.753 χ^2/NDF: 17.0/20

Left In: 2775.745+/-430.870 χ^2/NDF:25.4/22

Left: 2302.023+/-300.757 χ^2/NDF: 59.3/47

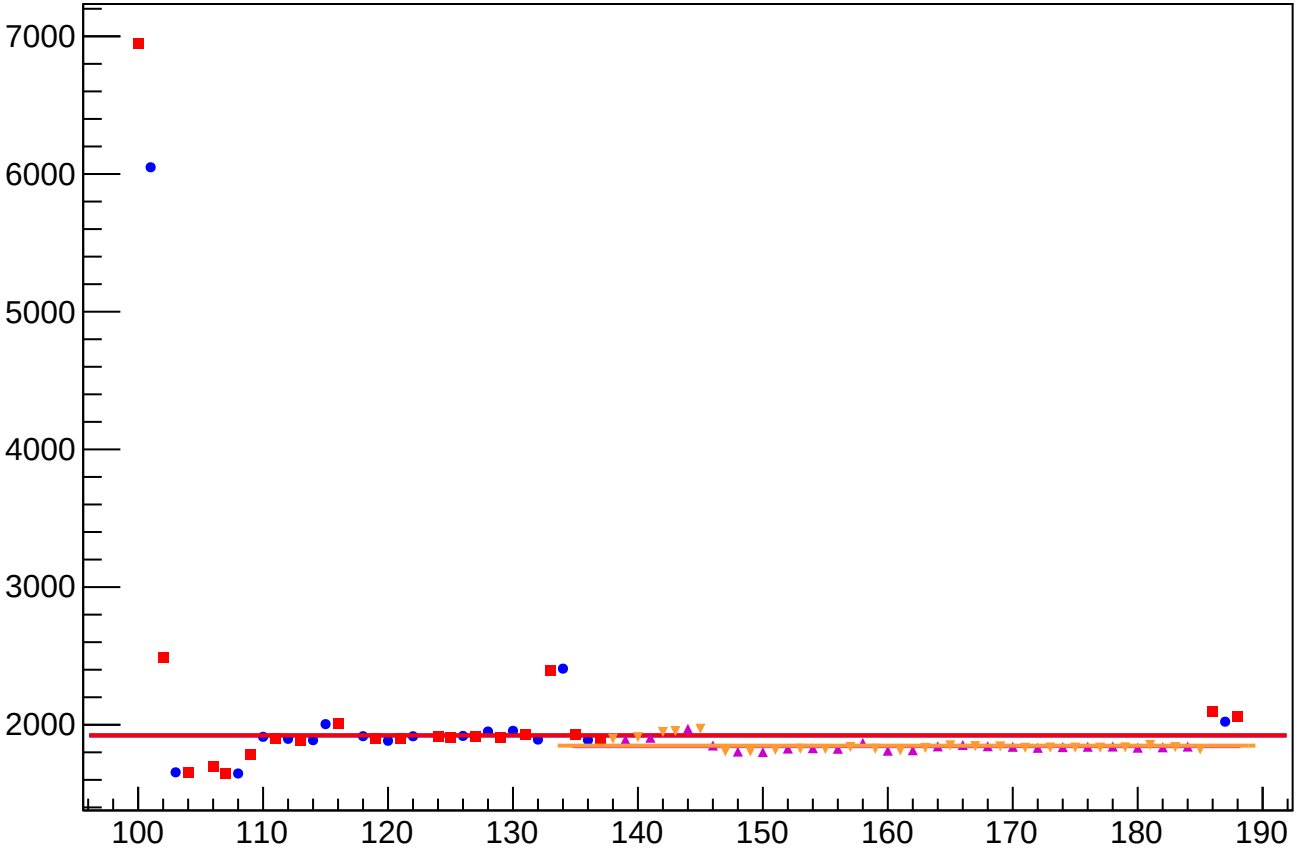
Right: 2502.874+/-487.122 χ^2/NDF: 31.4/37

In: 2844.298+/-370.030 χ^2/NDF:38.9/39

Out: 1911.119+/-354.303 χ^2/NDF:48.6/45

All: 2357.457+/-255.910 χ^2/NDF: 90.8/85

eigen_cor_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1922.302+/-0.511 χ^2/NDF: 698282.1/16

Left Out: 1848.522+/-0.297 χ^2/NDF:20886.6/24

Right Out: 1923.423+/-0.466 χ^2/NDF: 232404.3/20

Left In: 1845.061+/-0.305 χ^2/NDF:14026.0/22

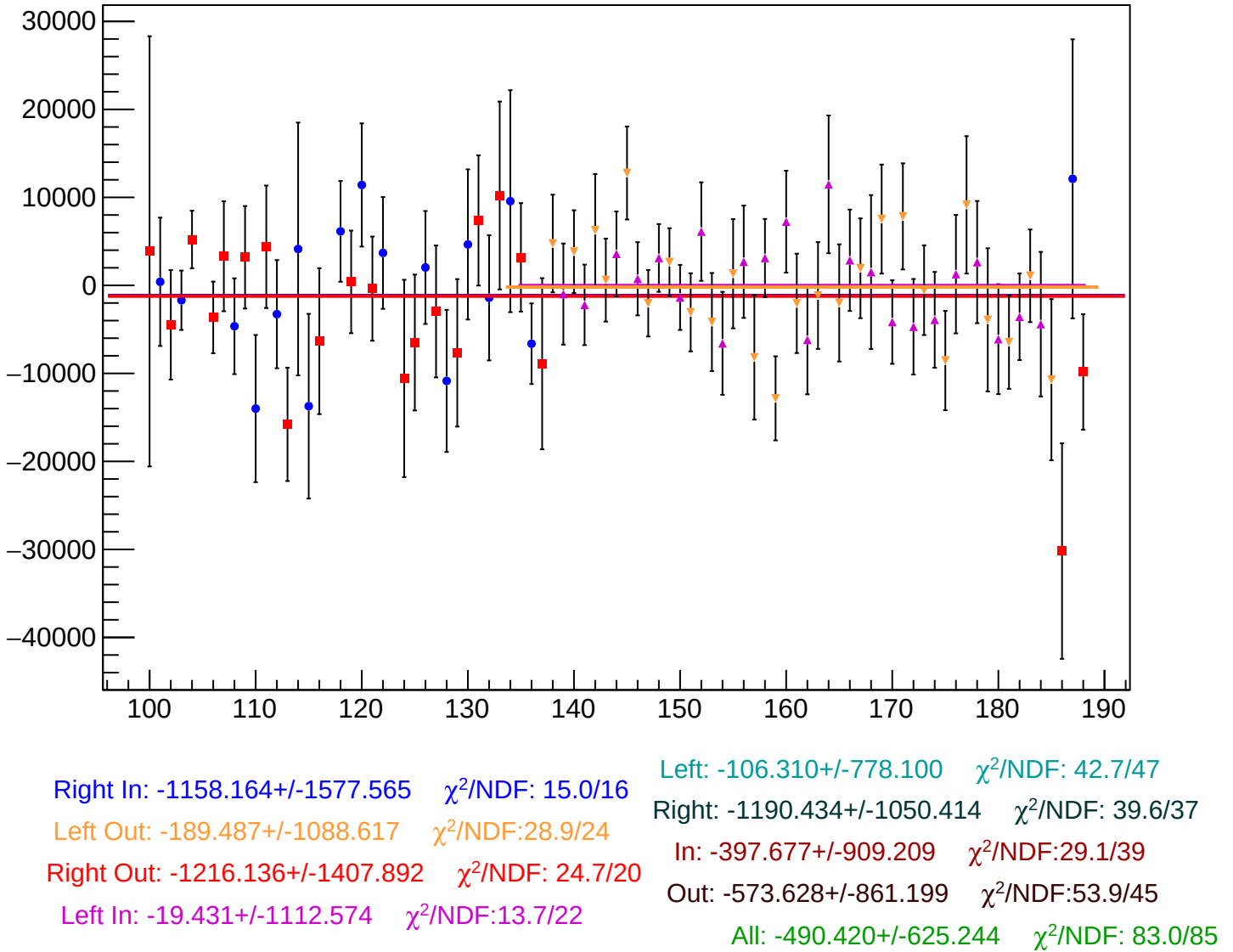
Left: 1846.835+/-0.213 χ^2/NDF: 34978.8/47

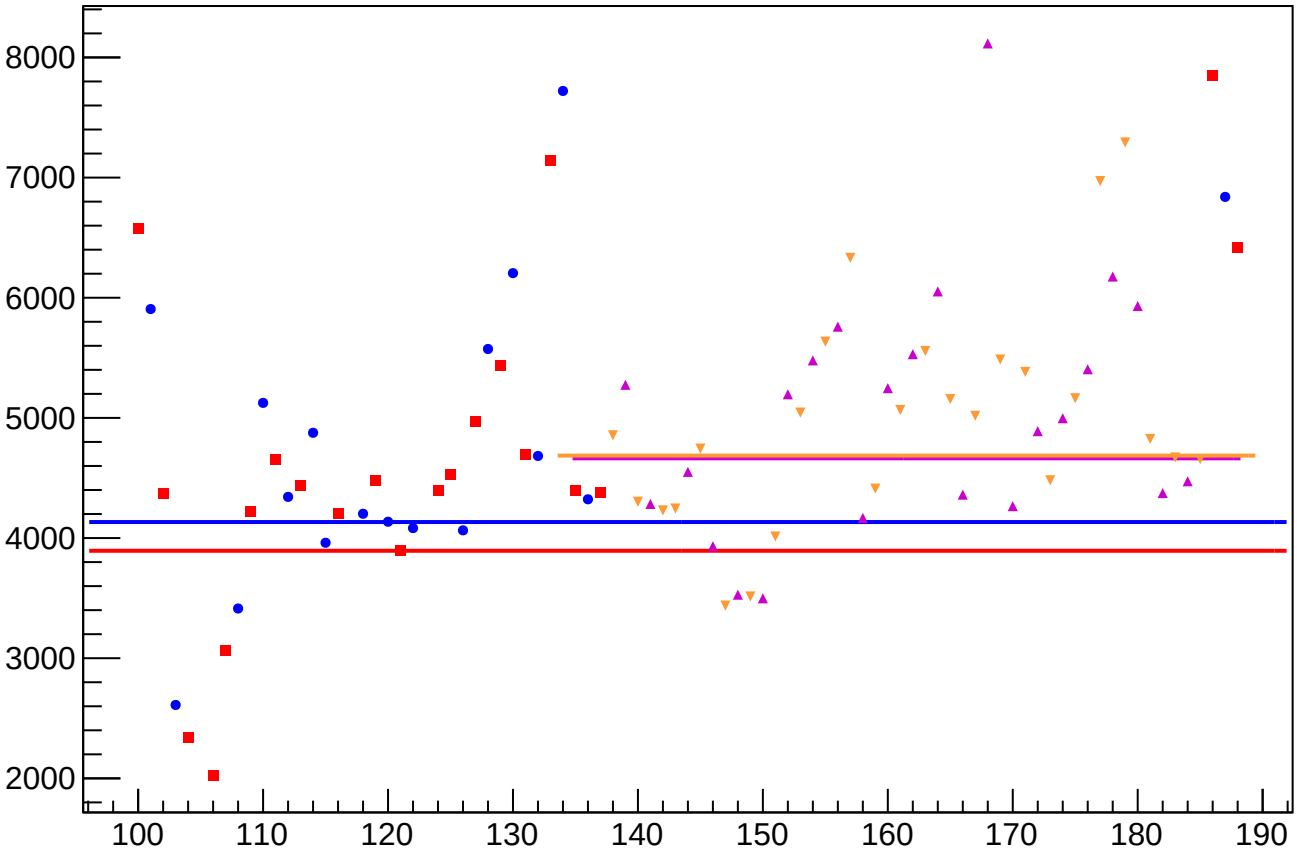
Right: 1922.914+/-0.344 χ^2/NDF: 930689.0/37

In: 1865.334+/-0.262 χ^2/NDF:729178.0/39

Out: 1870.165+/-0.250 χ^2/NDF:271670.0/45

All: 1867.855+/-0.181 χ^2/NDF: 1001025.9/85


asym_atr_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
160
170
180
190
Right In: -1158.164+/-1577.565 χ²/NDF: 15.0/16
Left Out: -189.487+/-1088.617 χ²/NDF:28.9/24
Right Out: -1216.136+/-1407.892 χ²/NDF: 24.7/20
Left In: -19.431+/-1112.574 χ²/NDF:13.7/22
Left: -106.310+/-778.100 χ²/NDF: 42.7/47
Right: -1190.434+/-1050.414 χ²/NDF: 39.6/37
In: -397.677+/-909.209 χ²/NDF:29.1/39
Out: -573.628+/-861.199 χ²/NDF:53.9/45
All: -490.420+/-625.244 χ²/NDF: 83.0/85



Right In: 4133.301+/-1.116 χ^2/NDF: 1014495.9/16

Left Out: 4686.346+/-0.770 χ^2/NDF:1185089.0/24

Right Out: 3894.166+/-0.996 χ^2/NDF: 1869698.4/20

Left In: 4663.273+/-0.787 χ^2/NDF:1286722.8/22

Left: 4675.061+/-0.550 χ^2/NDF: 2472251.2/47

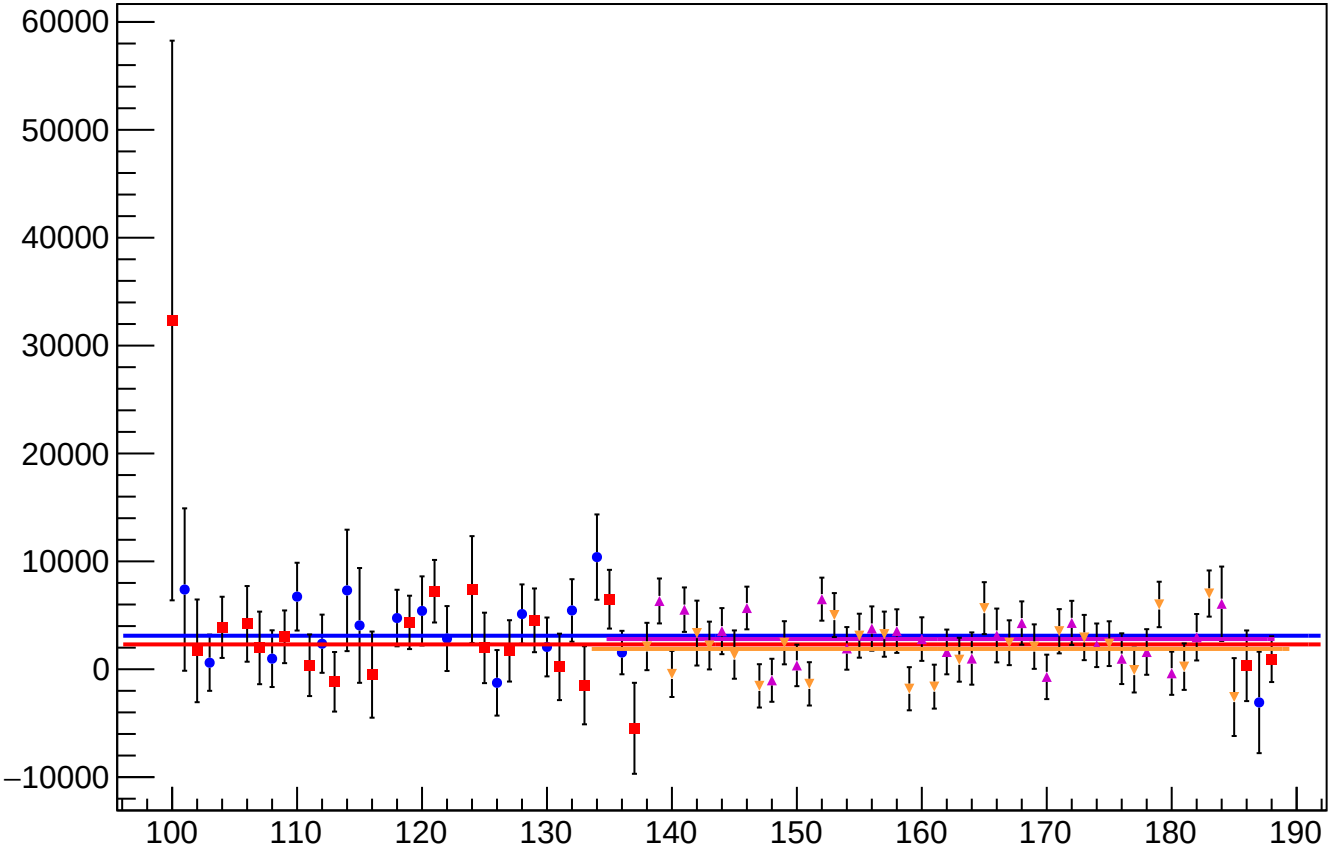
Right: 4000.186+/-0.743 χ^2/NDF: 2909775.8/37

In: 4487.236+/-0.643 χ^2/NDF:2451959.7/39

Out: 4389.936+/-0.609 χ^2/NDF:3451061.6/45

All: 4435.949+/-0.442 χ^2/NDF: 5915094.2/85

dit_asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 3106.926+/-741.468 χ^2/NDF: 13.9/16

Left Out: 1880.927+/-428.980 χ^2/NDF:32.9/24

Right Out: 2302.374+/-679.234 χ^2/NDF: 17.9/20

Left In: 2798.435+/-439.234 χ^2/NDF:25.4/22

Left: 2328.846+/-306.896 χ^2/NDF: 60.6/47

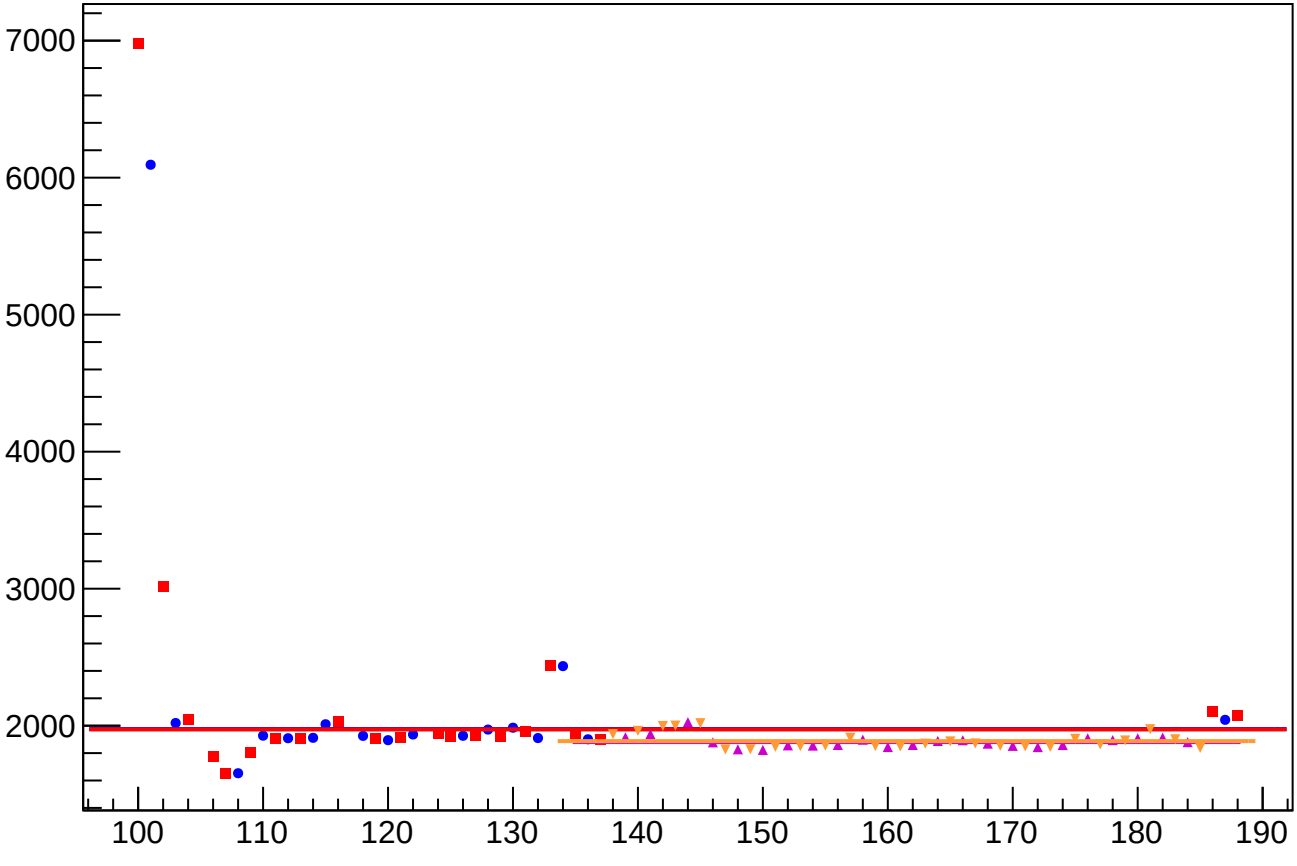
Right: 2669.474+/-500.850 χ^2/NDF: 32.5/37

In: 2878.569+/-377.904 χ^2/NDF:39.5/39

Out: 2001.098+/-362.700 χ^2/NDF:51.2/45

All: 2421.828+/-261.678 χ^2/NDF: 93.5/85

dit_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1975.468+/-0.524 χ^2/NDF: 665546.2/16

Left Out: 1887.545+/-0.303 χ^2/NDF:31955.7/24

Right Out: 1973.091+/-0.480 χ^2/NDF: 255314.8/20

Left In: 1880.575+/-0.311 χ^2/NDF:19037.6/22

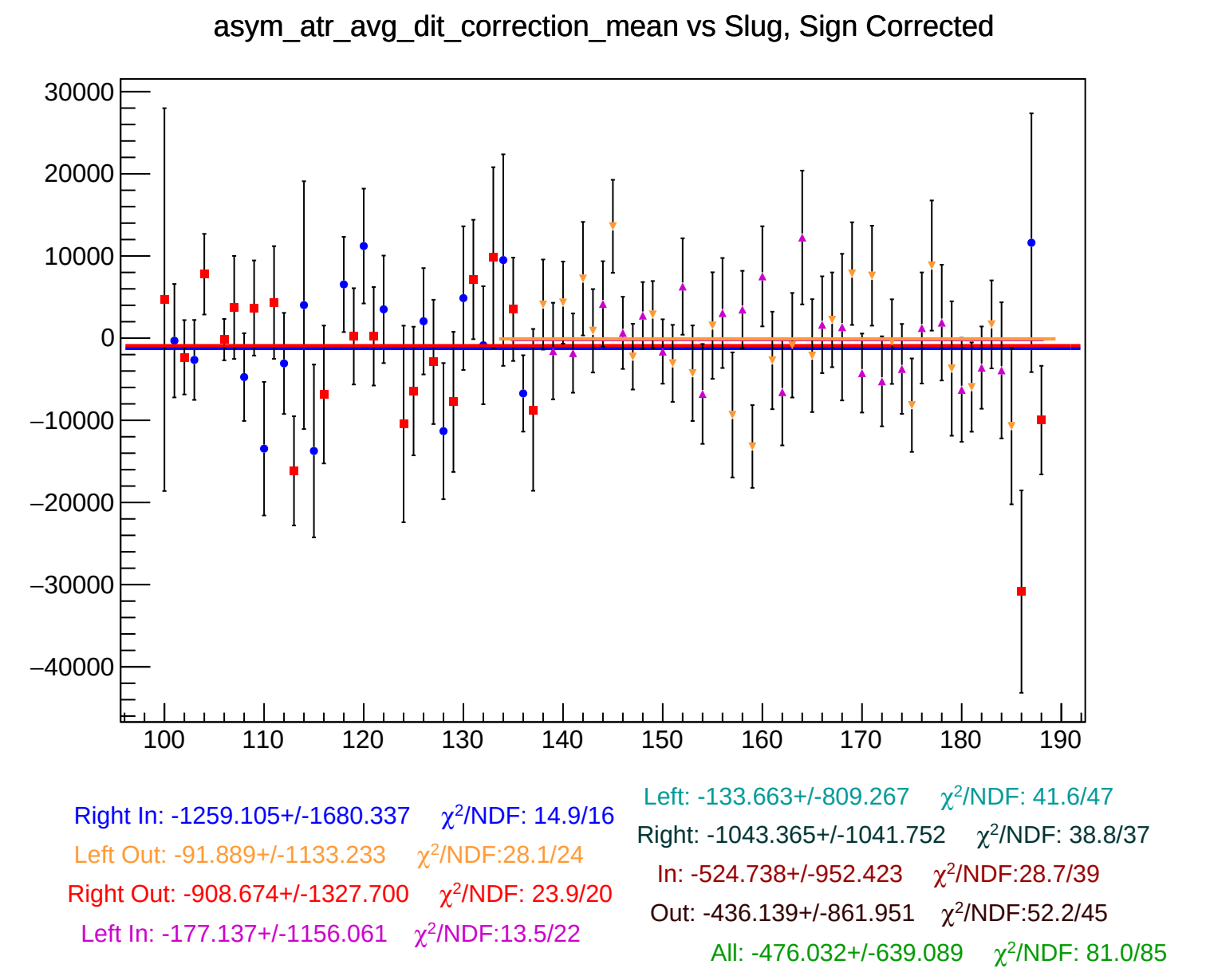
Left: 1884.142+/-0.217 χ^2/NDF: 51251.1/47

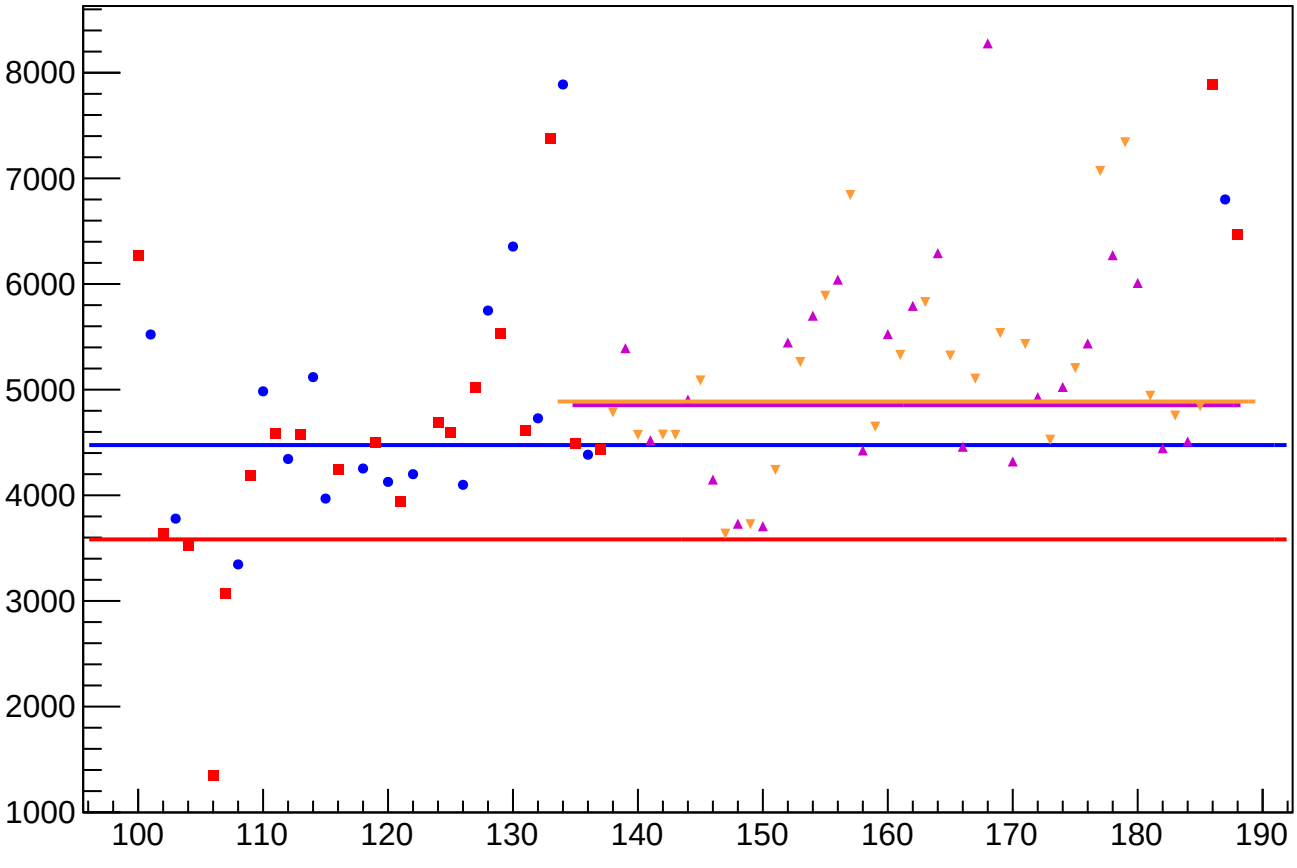
Right: 1974.175+/-0.354 χ^2/NDF: 920872.3/37

In: 1905.225+/-0.267 χ^2/NDF:708832.4/39

Out: 1911.964+/-0.256 χ^2/NDF:309973.1/45

All: 1908.733+/-0.185 χ^2/NDF: 1019136.6/85


asym_atr_avg_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
160
170
180
190
Right In: -1259.105+/-1680.337 χ²/NDF: 14.9/16
Left Out: -91.889+/-1133.233 χ²/NDF:28.1/24
Right Out: -908.674+/-1327.700 χ²/NDF: 23.9/20
Left In: -177.137+/-1156.061 χ²/NDF:13.5/22
Left: -133.663+/-809.267 χ²/NDF: 41.6/47
Right: -1043.365+/-1041.752 χ²/NDF: 38.8/37
In: -524.738+/-952.423 χ²/NDF:28.7/39
Out: -436.139+/-861.951 χ²/NDF:52.2/45
All: -476.032+/-639.089 χ²/NDF: 81.0/85



Right In: 4475.495+/-1.188 χ^2/NDF: 538722.7/16

Left Out: 4887.823+/-0.801 χ^2/NDF:1063298.6/24

Right Out: 3582.804+/-0.939 χ^2/NDF: 2984827.9/20

Left In: 4853.363+/-0.817 χ^2/NDF:1178636.9/22

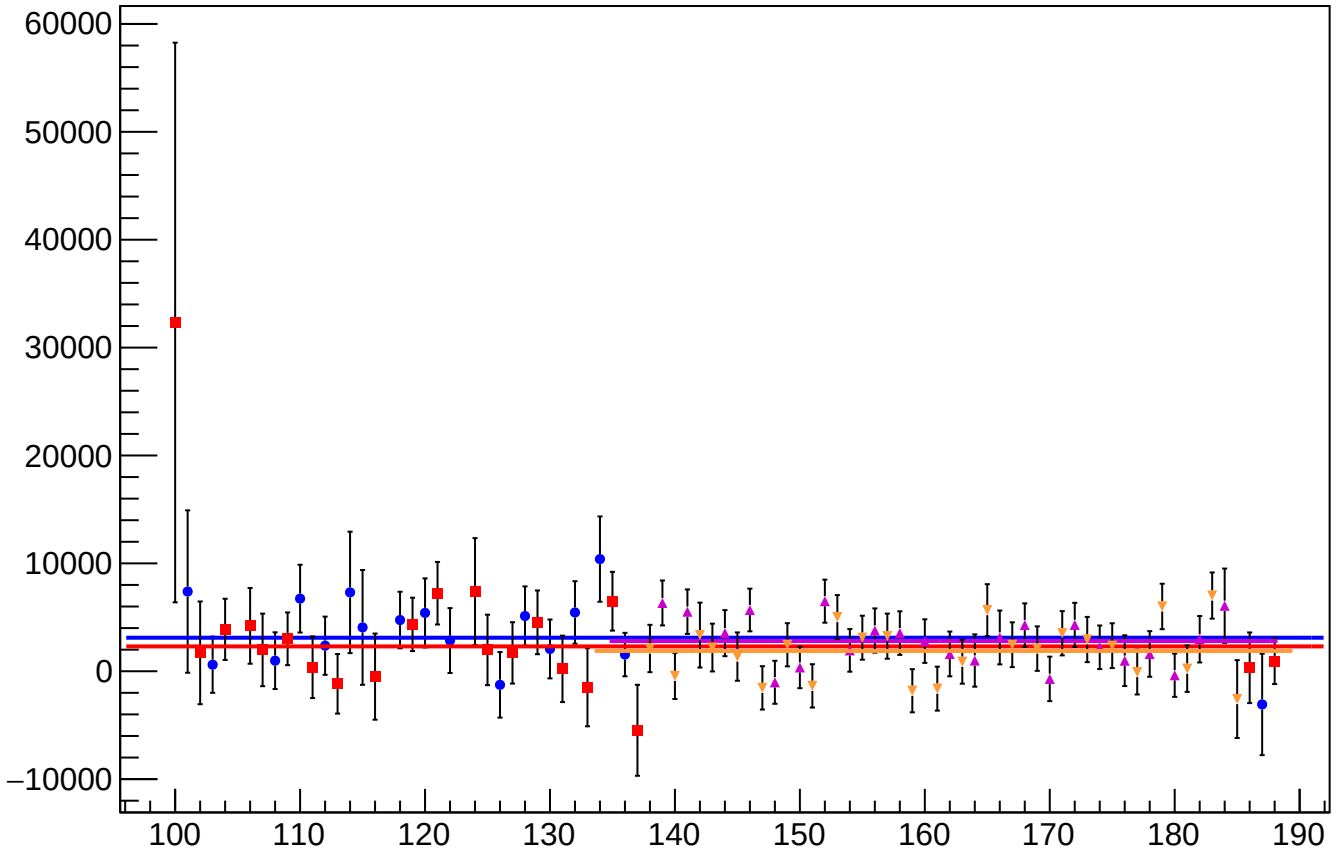
Left: 4870.937+/-0.572 χ^2/NDF: 2242841.7/47

Right: 3925.917+/-0.737 χ^2/NDF: 3871061.7/37

In: 4731.967+/-0.673 χ^2/NDF:1786005.6/39

Out: 4337.798+/-0.609 χ^2/NDF:5165994.1/45

All: 4515.276+/-0.452 χ^2/NDF: 7140317.6/85



Right In: 3106.931+/-741.468 χ^2/NDF: 13.9/16

Left Out: 1880.922+/-428.981 χ^2/NDF:32.9/24

Right Out: 2302.378+/-679.234 χ^2/NDF: 17.9/20

Left In: 2798.435+/-439.234 χ^2/NDF:25.4/22

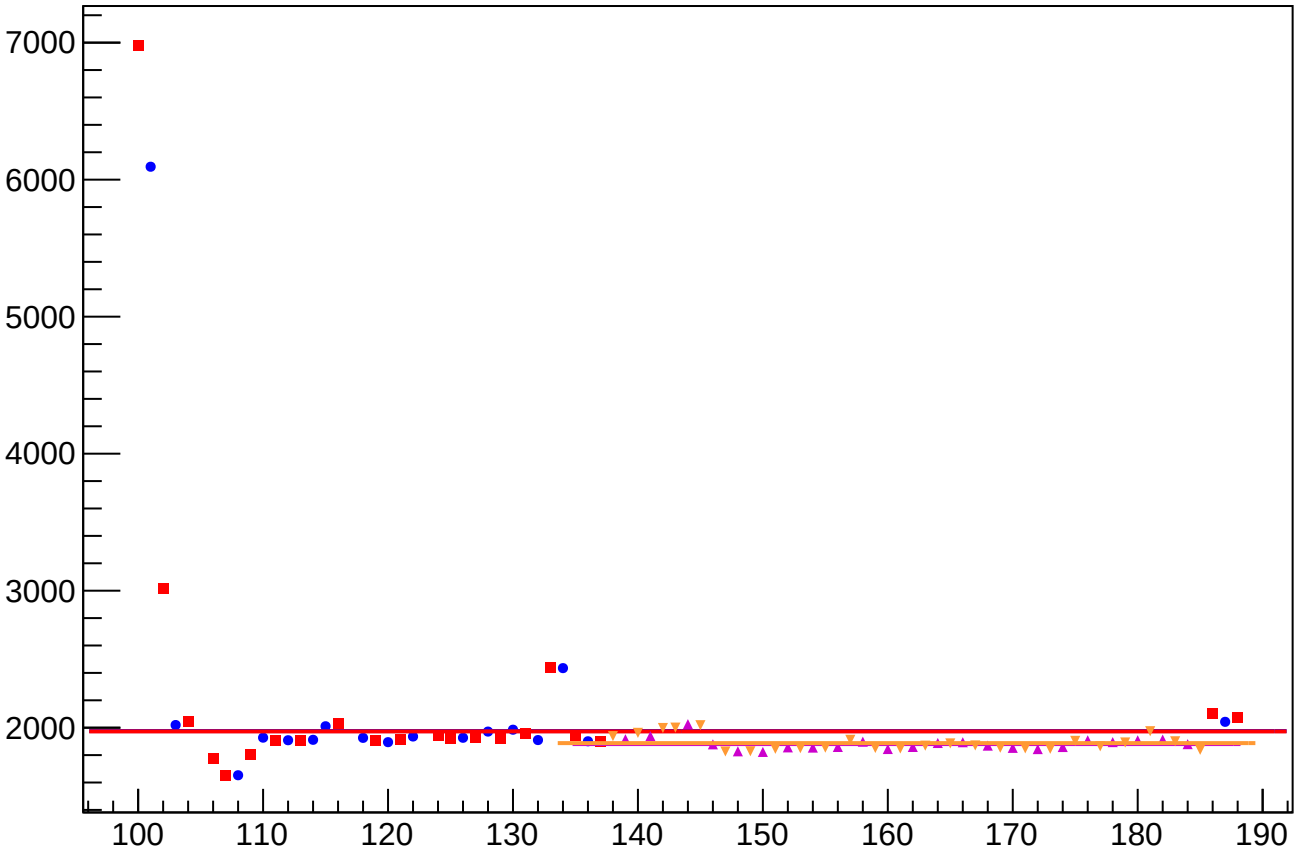
Left: 2328.844+/-306.896 χ^2/NDF: 60.6/47

Right: 2669.479+/-500.850 χ^2/NDF: 32.5/37

In: 2878.571+/-377.904 χ^2/NDF:39.5/39

Out: 2001.096+/-362.701 χ^2/NDF:51.2/45

All: 2421.828+/-261.678 χ^2/NDF: 93.5/85



Right In: 1975.468+/-0.524 χ^2/NDF: 665546.2/16

Left Out: 1887.546+/-0.303 χ^2/NDF:31955.8/24

Right Out: 1973.091+/-0.480 χ^2/NDF: 255314.3/20

Left In: 1880.576+/-0.311 χ^2/NDF:19037.6/22

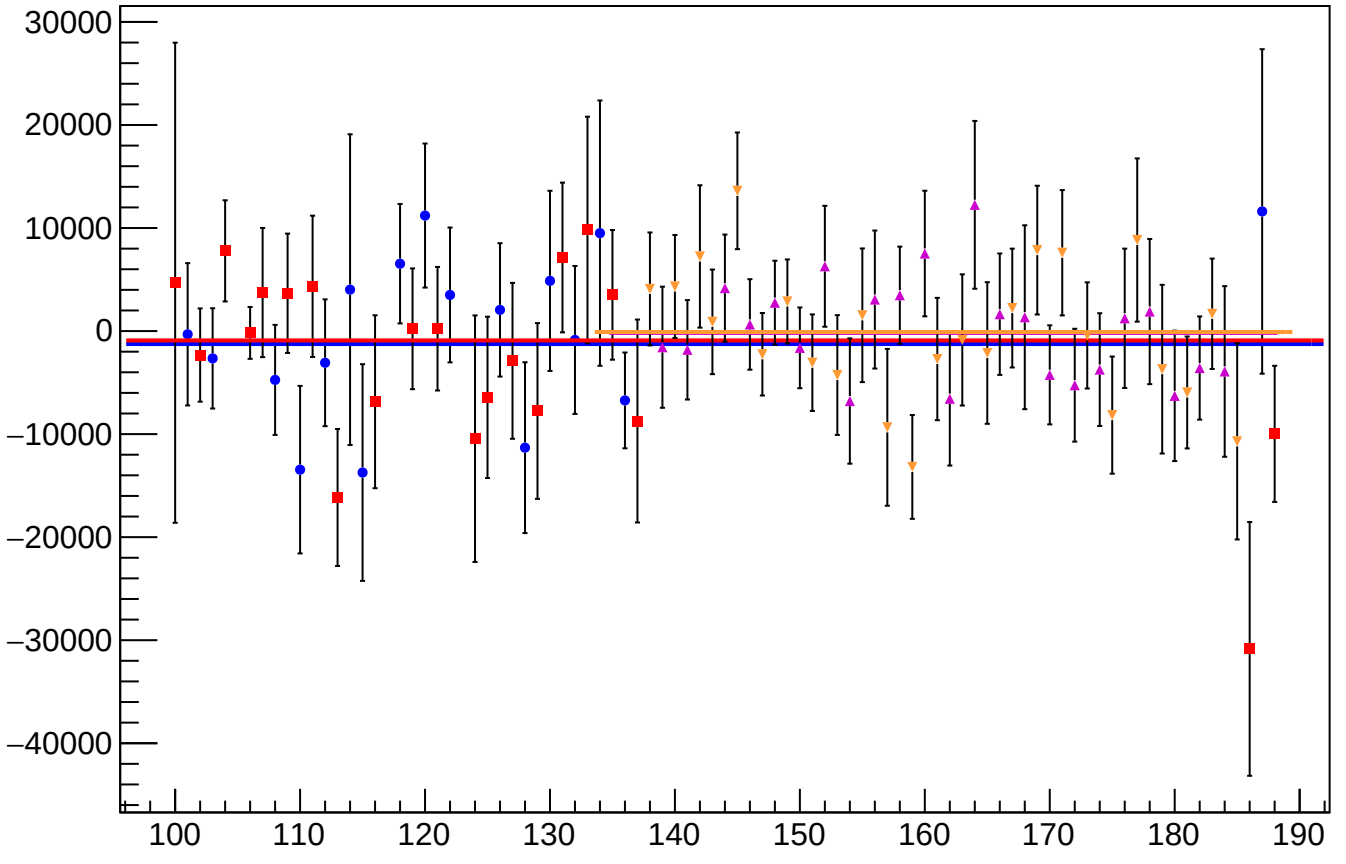
Left: 1884.143+/-0.217 χ^2/NDF: 51251.1/47

Right: 1974.174+/-0.354 χ^2/NDF: 920871.8/37

In: 1905.225+/-0.267 χ^2/NDF:708831.9/39

Out: 1911.964+/-0.256 χ^2/NDF:309972.1/45

All: 1908.734+/-0.185 χ^2/NDF: 1019135.1/85



Right In: -1259.087+/-1680.334 χ^2/NDF: 14.9/16

Left Out: -91.892+/-1133.235 χ^2/NDF:28.1/24

Right Out: -908.672+/-1327.698 χ^2/NDF: 23.9/20

Left In: -177.140+/-1156.062 χ^2/NDF:13.5/22

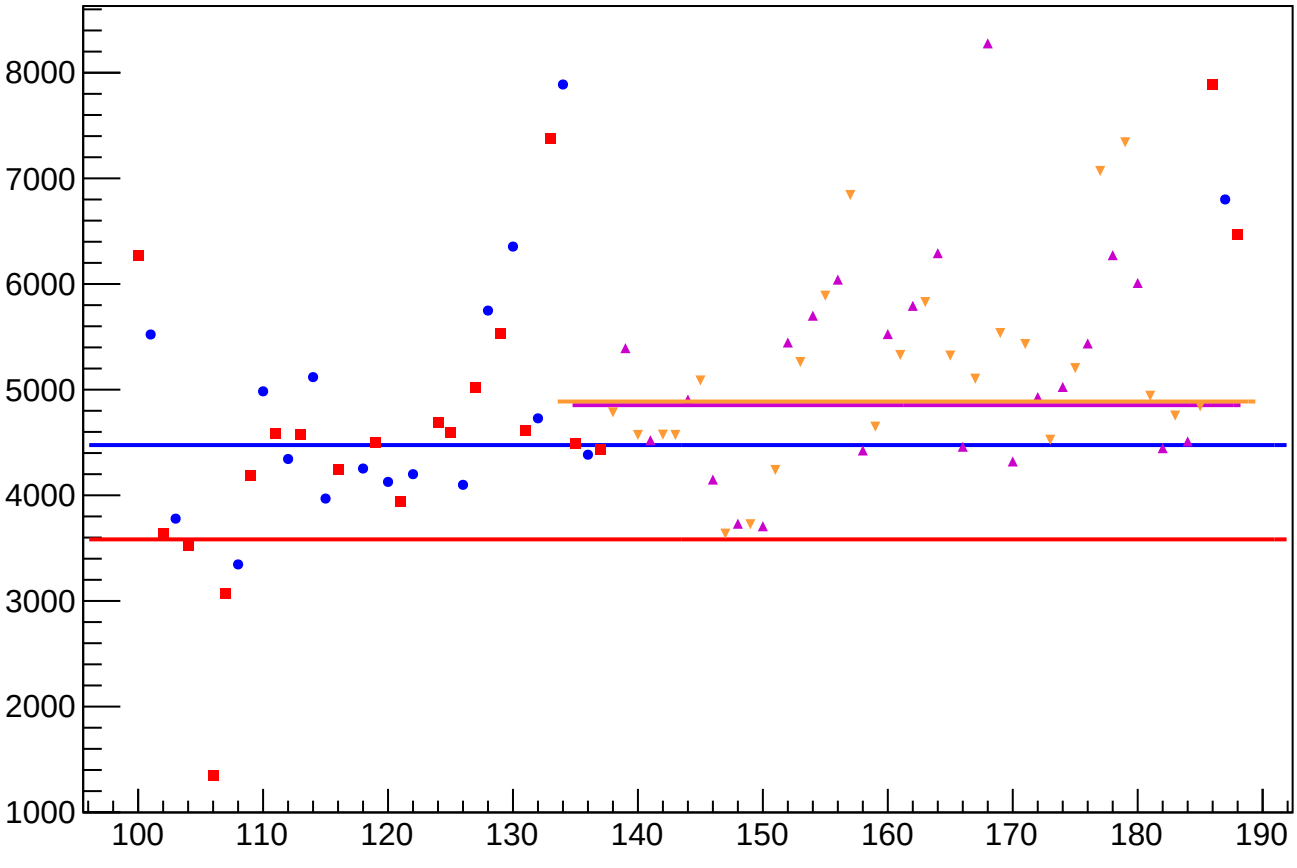
Left: -133.666+/-809.268 χ^2/NDF: 41.6/47

Right: -1043.357+/-1041.750 χ^2/NDF: 38.8/37

In: -524.736+/-952.423 χ^2/NDF:28.7/39

Out: -436.141+/-861.951 χ^2/NDF:52.2/45

All: -476.032+/-639.089 χ^2/NDF: 81.0/85



Right In: 4475.488+/-1.188 χ^2/NDF: 538720.3/16

Left Out: 4887.830+/-0.801 χ^2/NDF:1063300.0/24

Right Out: 3582.795+/-0.939 χ^2/NDF: 2984836.1/20

Left In: 4853.371+/-0.817 χ^2/NDF:1178639.4/22

Left: 4870.944+/-0.572 χ^2/NDF: 2242845.7/47

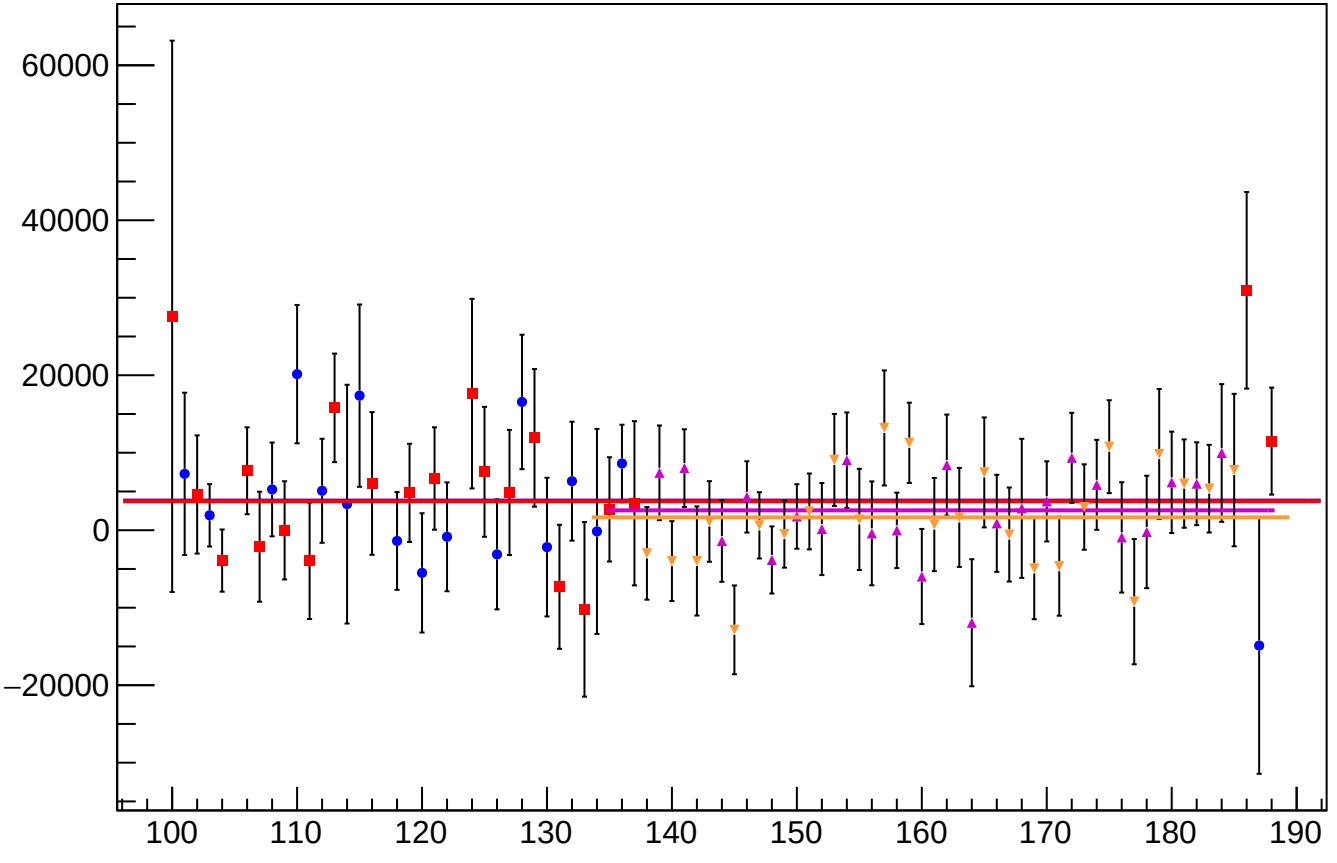
Right: 3925.909+/-0.737 χ^2/NDF: 3871069.8/37

In: 4731.969+/-0.673 χ^2/NDF:1786011.1/39

Out: 4337.797+/-0.609 χ^2/NDF:5166032.6/45

All: 4515.276+/-0.452 χ^2/NDF: 7140364.9/85

asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 3817.578+/-1771.784 χ^2/NDF: 13.6/16

Left Out: 1654.615+/-1178.652 χ^2/NDF:26.0/24

Right Out: 3729.268+/-1611.739 χ^2/NDF: 21.6/20

Left In: 2563.603+/-1204.450 χ^2/NDF:16.0/22

Left: 2099.270+/-842.406 χ^2/NDF: 42.2/47

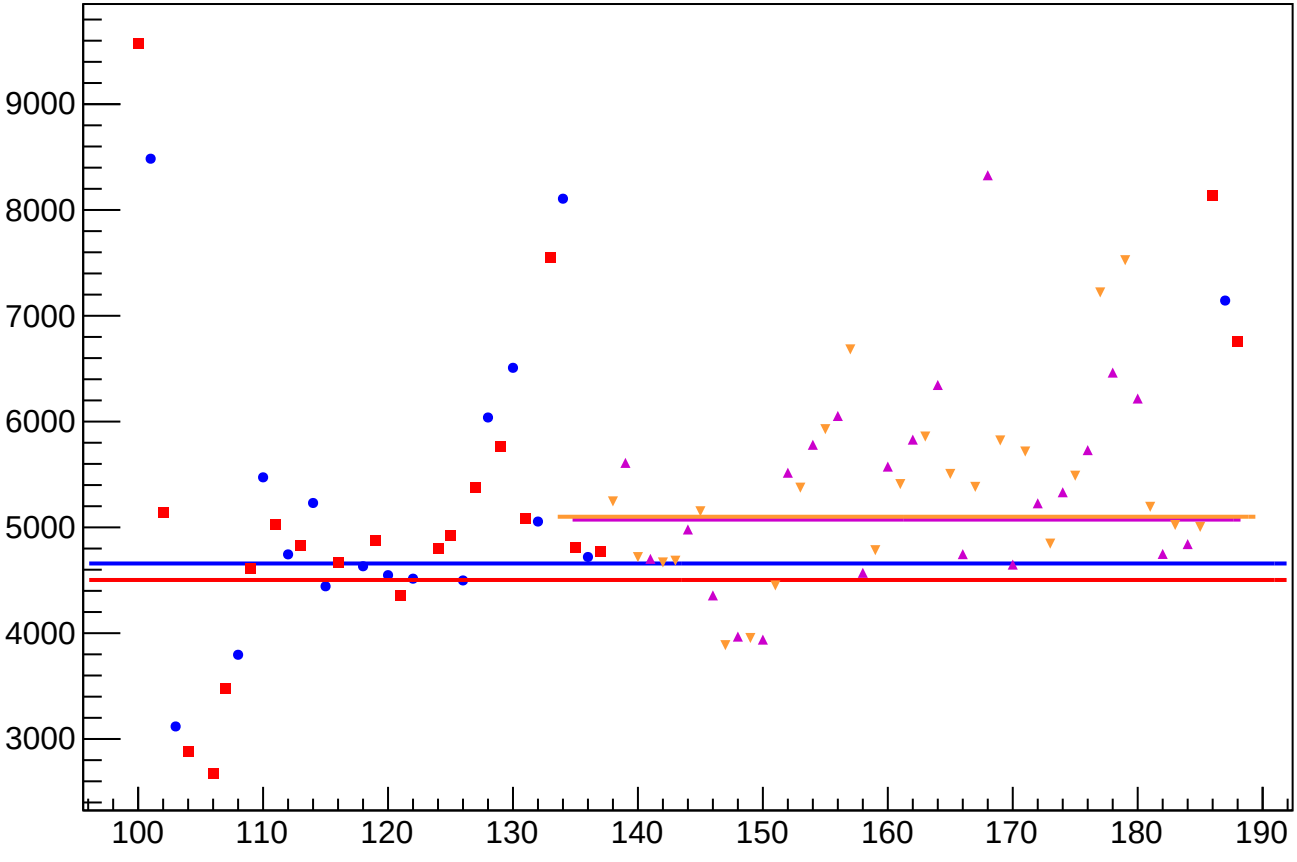
Right: 3769.256+/-1192.247 χ^2/NDF: 35.3/37

In: 2959.937+/-996.086 χ^2/NDF:29.9/39

Out: 2377.516+/-951.396 χ^2/NDF:48.7/45

All: 2655.369+/-687.995 χ^2/NDF: 78.8/85

asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 4658.793+/-1.253 χ^2/NDF: 945884.4/16

Left Out: 5100.641+/-0.833 χ^2/NDF:909330.5/24

Right Out: 4502.879+/-1.130 χ^2/NDF: 1307808.1/20

Left In: 5073.543+/-0.852 χ^2/NDF:991915.5/22

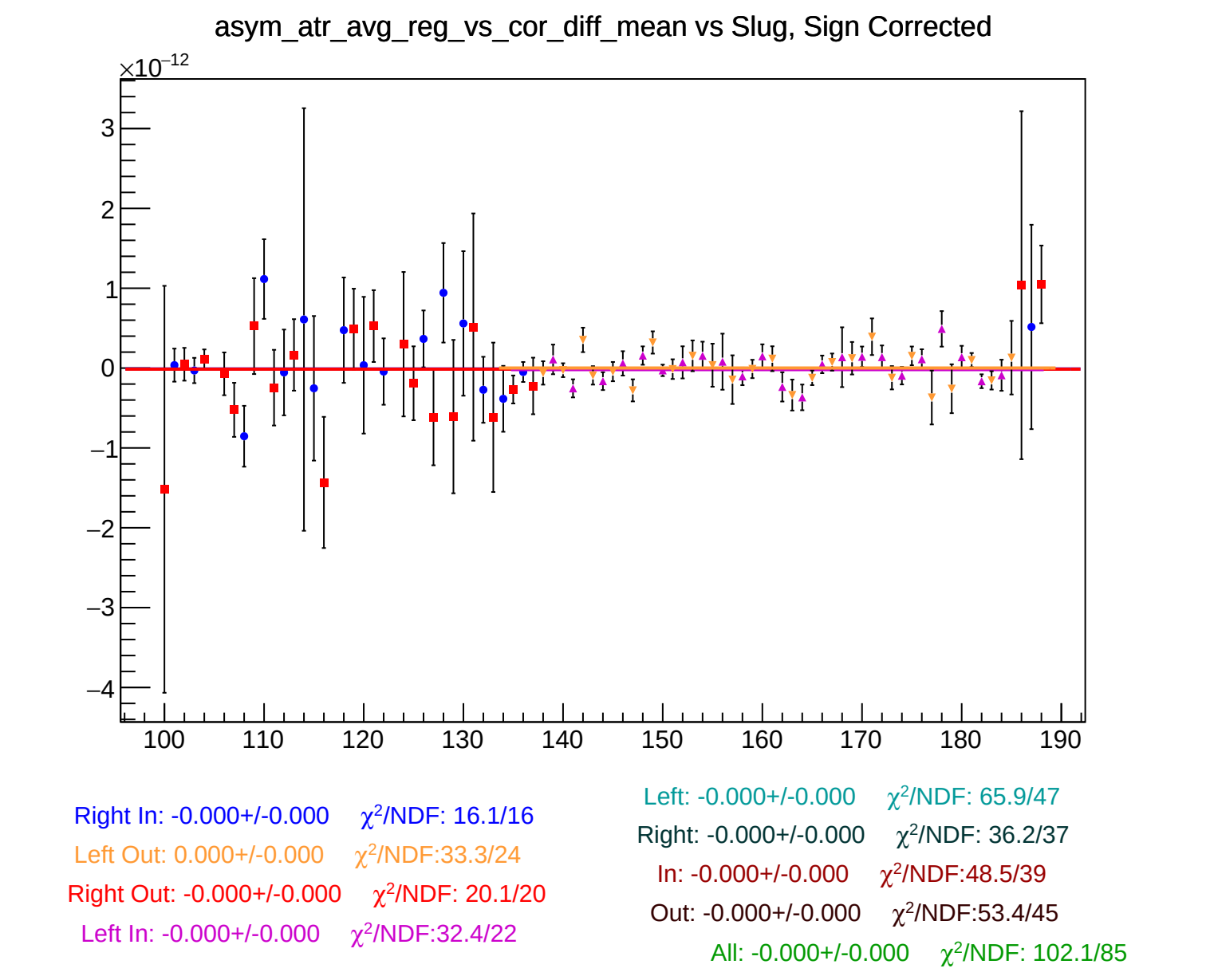
Left: 5087.385+/-0.596 χ^2/NDF: 1901763.2/47

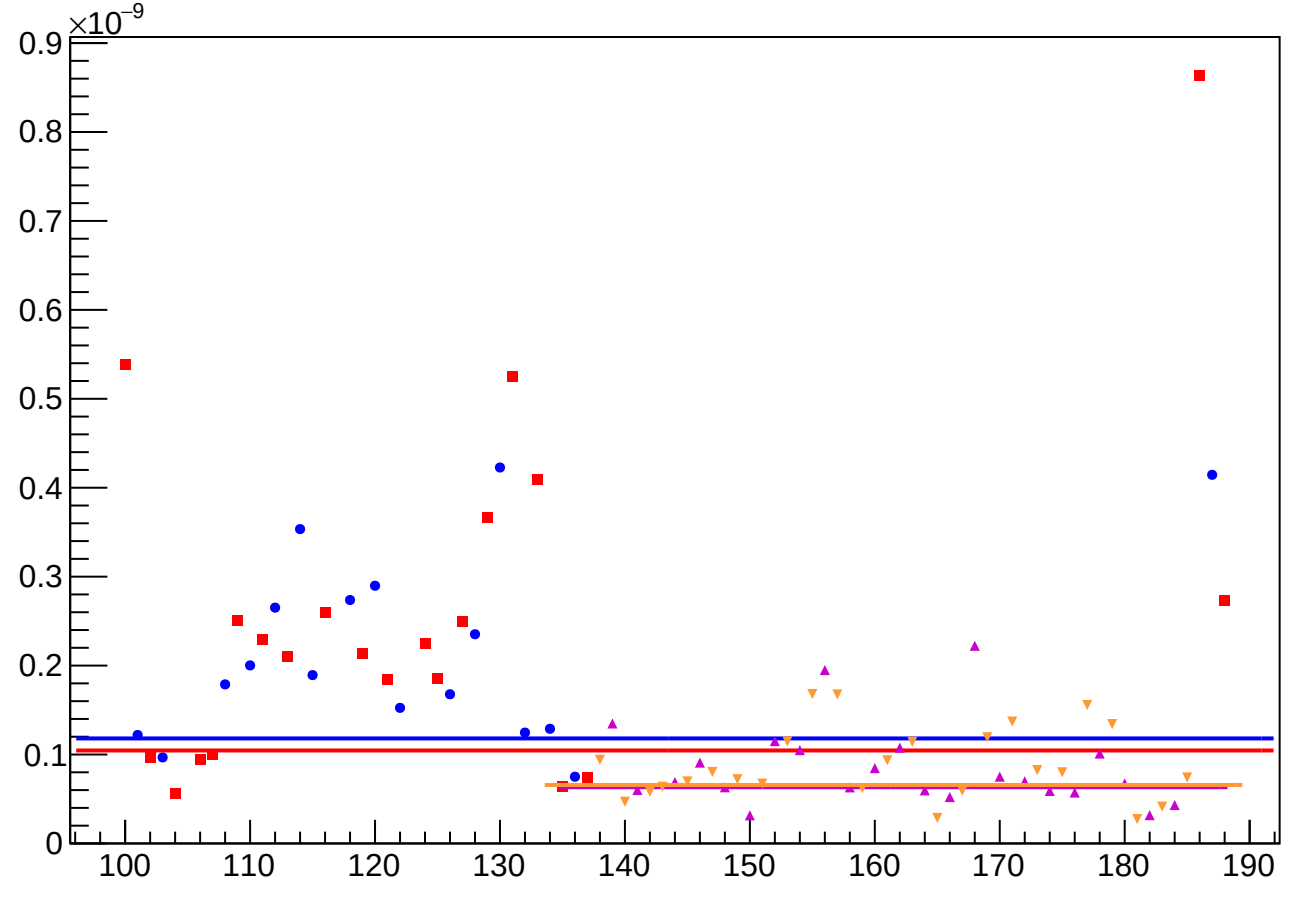
Right: 4572.854+/-0.839 χ^2/NDF: 2262229.2/37

In: 4942.456+/-0.704 χ^2/NDF:2012754.4/39

Out: 4890.156+/-0.671 χ^2/NDF:2398276.6/45

All: 4915.032+/-0.486 χ^2/NDF: 4413922.0/85


asym_atr_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
3
2
1
0
−1
−2
−3
−4
100
110
120
130
140
150
160
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 16.1/16
Left Out: 0.000+/-0.000 χ²/NDF:33.3/24
Right Out: -0.000+/-0.000 χ²/NDF: 20.1/20
Left In: -0.000+/-0.000 χ²/NDF:32.4/22
Left: -0.000+/-0.000 χ²/NDF: 65.9/47
Right: -0.000+/-0.000 χ²/NDF: 36.2/37
In: -0.000+/-0.000 χ²/NDF:48.5/39
Out: -0.000+/-0.000 χ²/NDF:53.4/45
All: -0.000+/-0.000 χ²/NDF: 102.1/85



Right In: 0.000+/-0.000 χ^2/NDF: 1208129.5/16

Left Out: 0.000+/-0.000 χ^2/NDF:2472657.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2335350.1/20

Left In: 0.000+/-0.000 χ^2/NDF:2196878.1/22

Left: 0.000+/-0.000 χ^2/NDF: 4678116.7/47

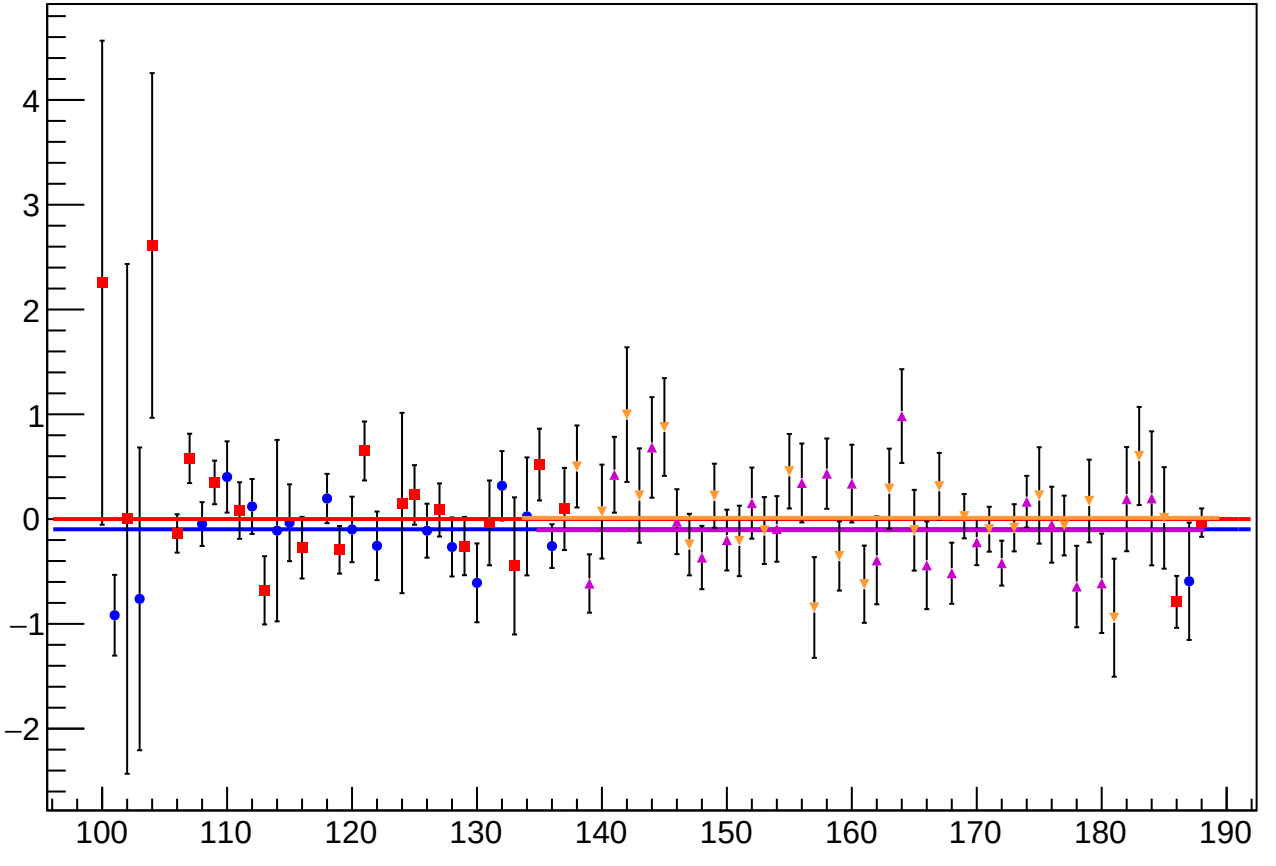
Right: 0.000+/-0.000 χ^2/NDF: 3577280.9/37

In: 0.000+/-0.000 χ^2/NDF:4342613.4/39

Out: 0.000+/-0.000 χ^2/NDF:5317023.3/45

All: 0.000+/-0.000 χ^2/NDF: 9661351.5/85

asym_atr_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.097+/-0.076 χ^2/NDF: 14.7/16

Left Out: 0.012+/-0.068 χ^2/NDF:25.2/24

Right Out: 0.000+/-0.060 χ^2/NDF: 40.0/20

Left In: -0.105+/-0.069 χ^2/NDF:31.4/22

Left: -0.046+/-0.048 χ^2/NDF: 58.1/47

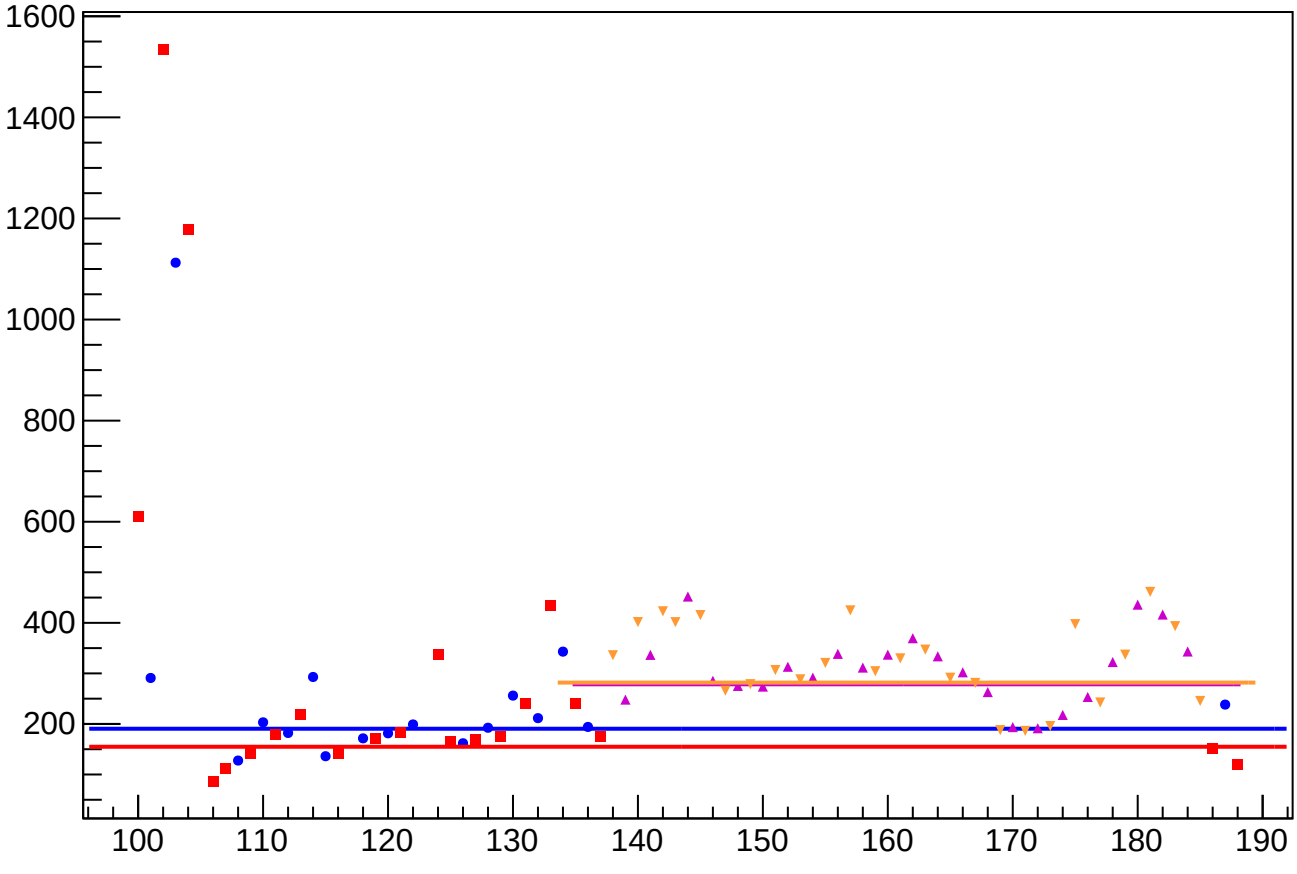
Right: -0.037+/-0.047 χ^2/NDF: 55.6/37

In: -0.102+/-0.051 χ^2/NDF:46.1/39

Out: 0.005+/-0.045 χ^2/NDF:65.2/45

All: -0.042+/-0.034 χ^2/NDF: 113.7/85

asym_atr_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 190.526+/-0.054 χ^2/NDF: 1480295.9/16

Left Out: 281.818+/-0.048 χ^2/NDF:2520824.2/24

Right Out: 154.887+/-0.043 χ^2/NDF: 2807445.0/20

Left In: 278.409+/-0.049 χ^2/NDF:1799690.4/22

Left: 280.127+/-0.034 χ^2/NDF: 4323003.2/47

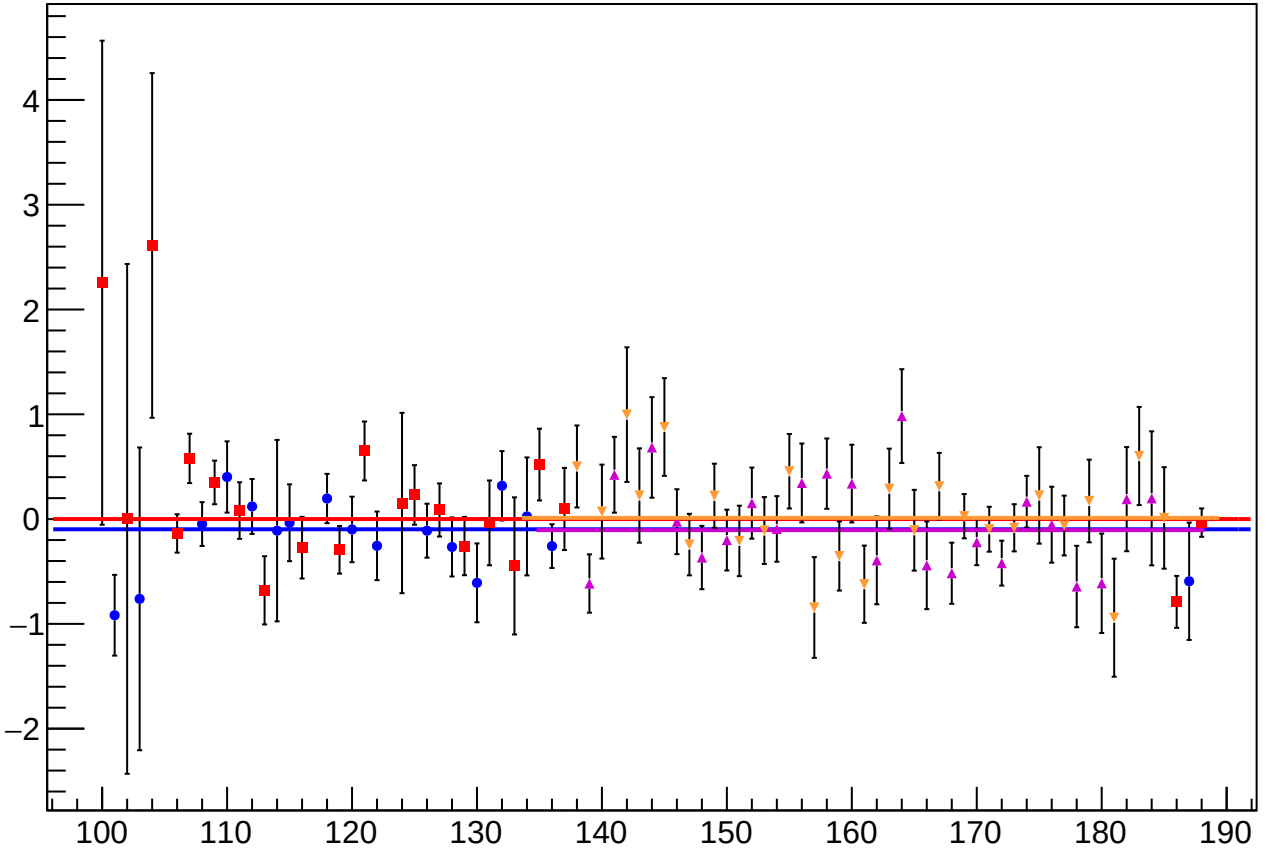
Right: 168.646+/-0.033 χ^2/NDF: 4557336.3/37

In: 238.988+/-0.036 χ^2/NDF:4752494.6/39

Out: 210.735+/-0.032 χ^2/NDF:9225472.2/45

All: 223.161+/-0.024 χ^2/NDF: 14322624.4/85

asym_atr_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.097+/-0.076 χ^2/NDF: 14.7/16

Left Out: 0.012+/-0.068 χ^2/NDF:25.2/24

Right Out: 0.000+/-0.060 χ^2/NDF: 40.0/20

Left In: -0.105+/-0.069 χ^2/NDF:31.4/22

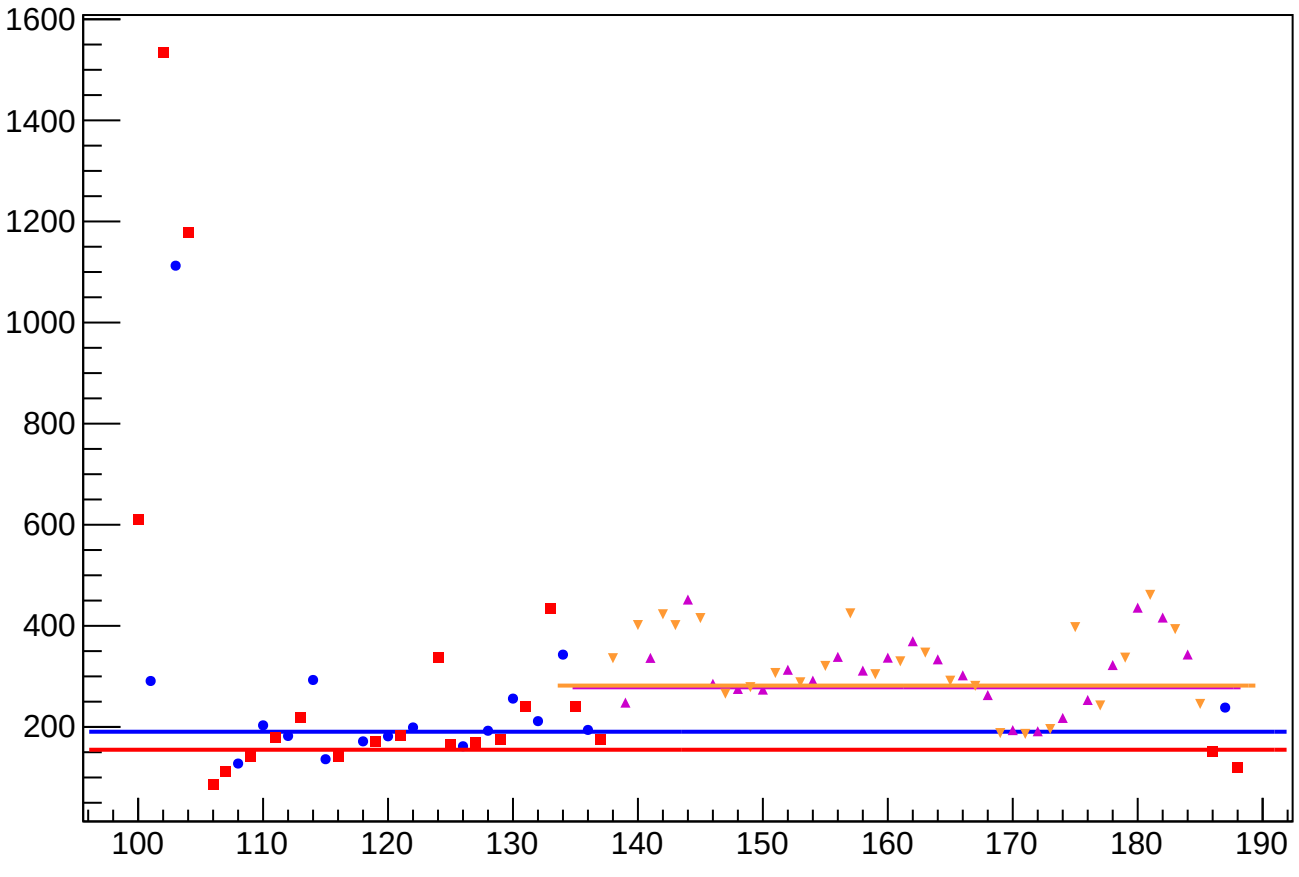
Left: -0.046+/-0.048 χ^2/NDF: 58.1/47

Right: -0.037+/-0.047 χ^2/NDF: 55.6/37

In: -0.102+/-0.051 χ^2/NDF:46.1/39

Out: 0.005+/-0.045 χ^2/NDF:65.2/45

All: -0.042+/-0.034 χ^2/NDF: 113.7/85



Right In: 190.526+/-0.054 χ^2/NDF: 1480295.9/16

Left Out: 281.818+/-0.048 χ^2/NDF:2520824.2/24

Right Out: 154.887+/-0.043 χ^2/NDF: 2807445.0/20

Left In: 278.409+/-0.049 χ^2/NDF:1799690.4/22

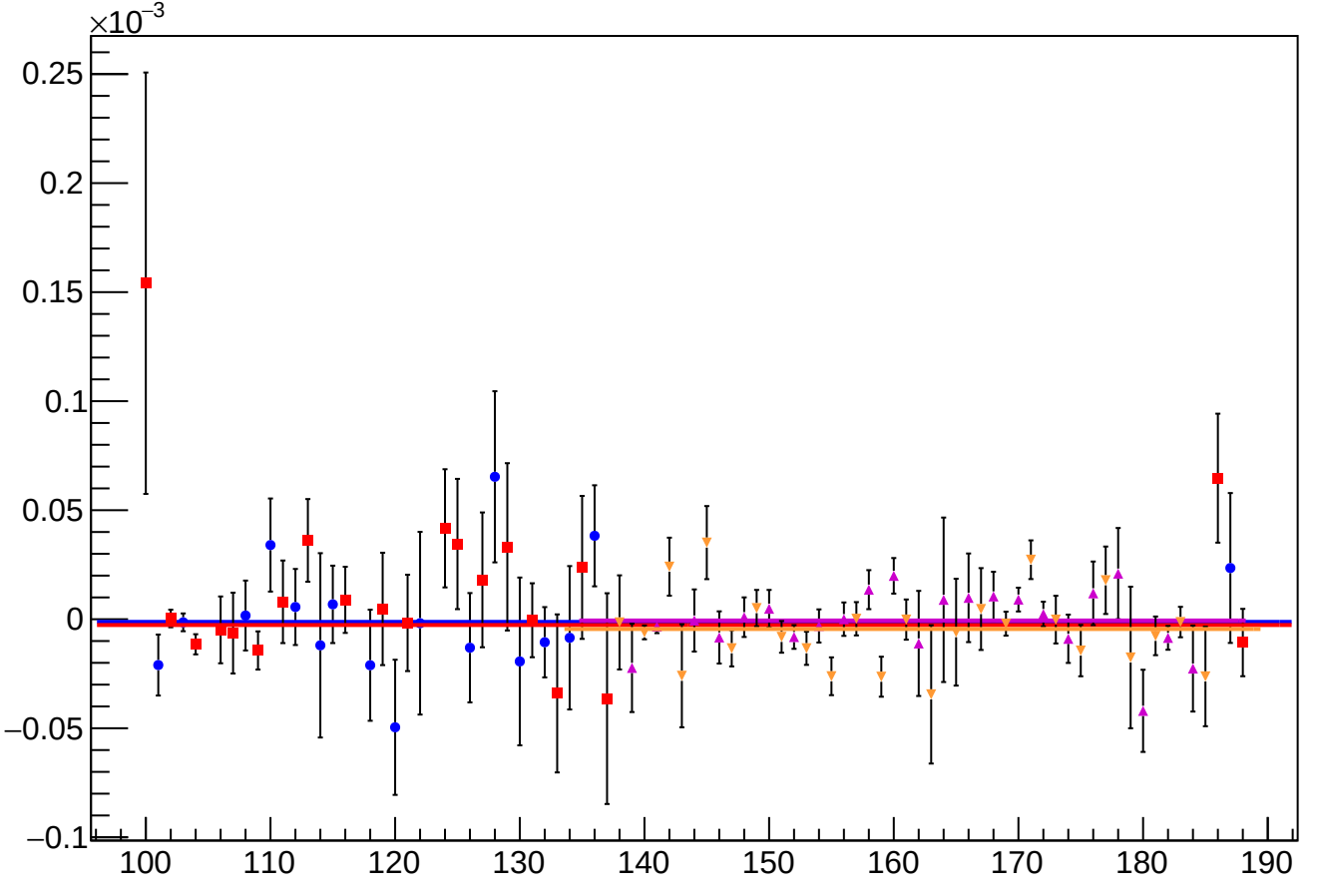
Left: 280.127+/-0.034 χ^2/NDF: 4323003.2/47

Right: 168.646+/-0.033 χ^2/NDF: 4557336.3/37

In: 238.988+/-0.036 χ^2/NDF:4752494.6/39

Out: 210.735+/-0.032 χ^2/NDF:9225472.2/45

All: 223.161+/-0.024 χ^2/NDF: 14322624.4/85



Right In: -0.000+/-0.000 χ^2/NDF: 15.4/16

Left Out: -0.000+/-0.000 χ^2/NDF:46.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 26.8/20

Left In: -0.000+/-0.000 χ^2/NDF:29.1/22

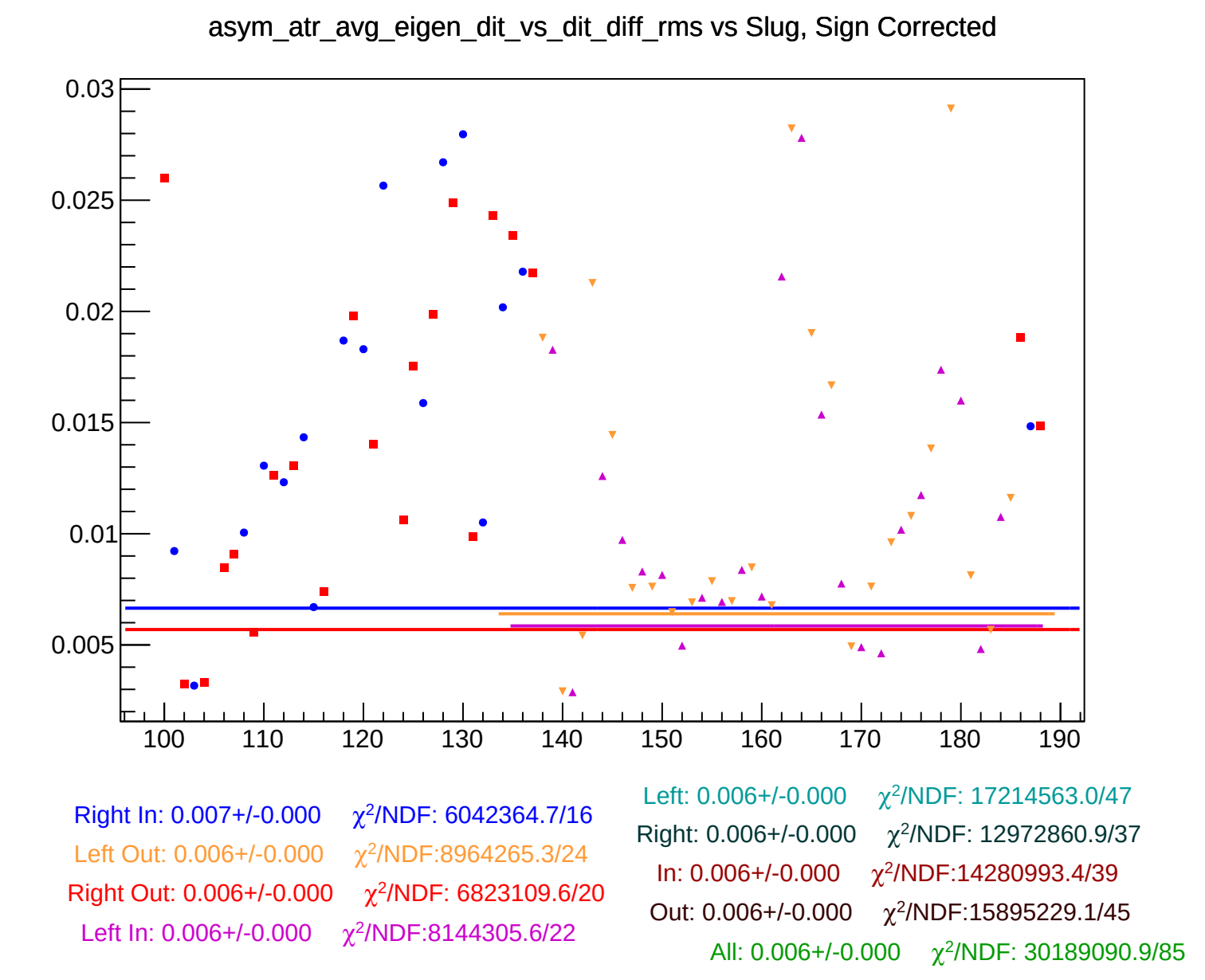
Left: -0.000+/-0.000 χ^2/NDF: 78.2/47

Right: -0.000+/-0.000 χ^2/NDF: 42.2/37

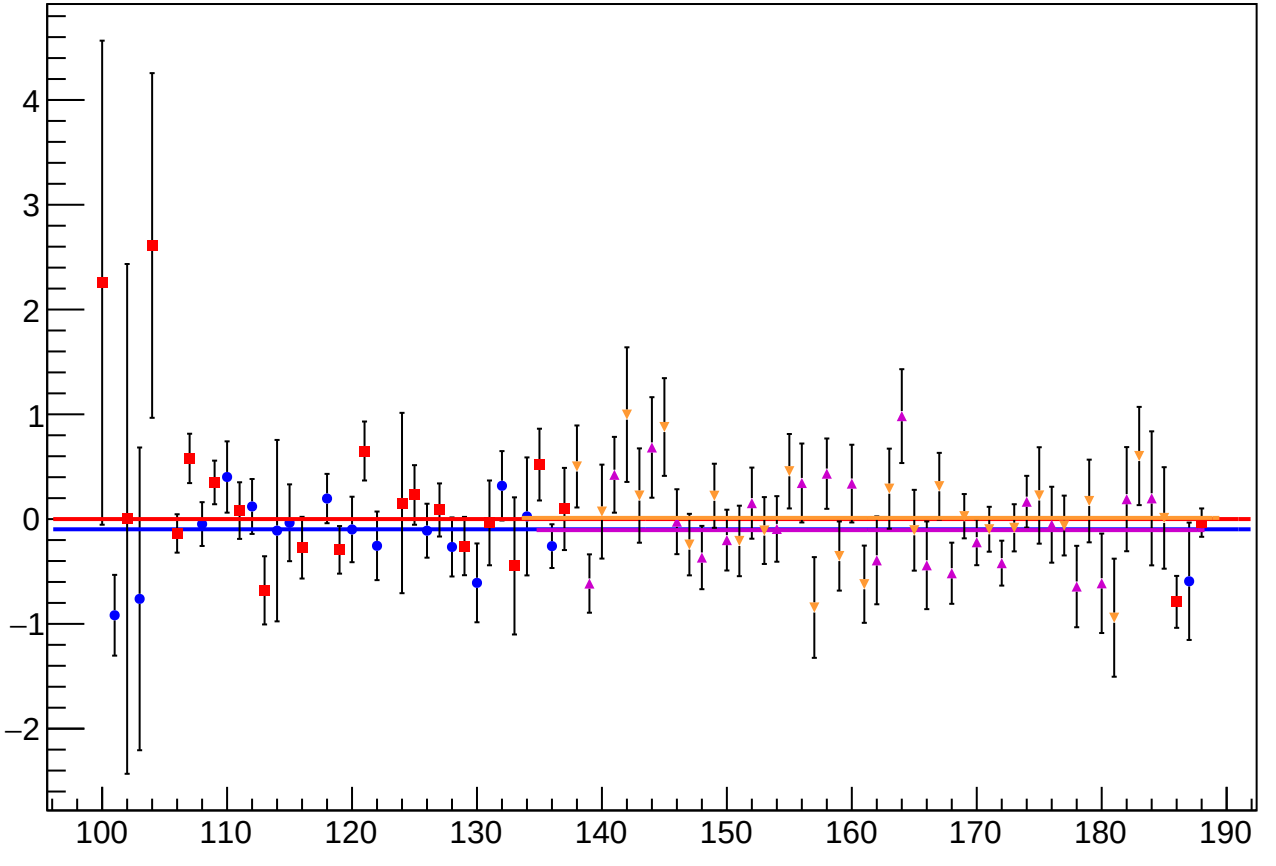
In: -0.000+/-0.000 χ^2/NDF:44.5/39

Out: -0.000+/-0.000 χ^2/NDF:73.5/45

All: -0.000+/-0.000 χ^2/NDF: 120.4/85


asym_atr_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.03
0.025
0.02
0.015
0.01
0.005
100
110
120
130
140
150
160
170
180
190
Right In: 0.007+/-0.000 χ²/NDF: 6042364.7/16
Left Out: 0.006+/-0.000 χ²/NDF:8964265.3/24
Right Out: 0.006+/-0.000 χ²/NDF: 6823109.6/20
Left In: 0.006+/-0.000 χ²/NDF:8144305.6/22
Left: 0.006+/-0.000 χ²/NDF: 17214563.0/47
Right: 0.006+/-0.000 χ²/NDF: 12972860.9/37
In: 0.006+/-0.000 χ²/NDF:14280993.4/39
Out: 0.006+/-0.000 χ²/NDF:15895229.1/45
All: 0.006+/-0.000 χ²/NDF: 30189090.9/85

asym_atr_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.097+/-0.076 χ^2/NDF: 14.7/16

Left Out: 0.012+/-0.068 χ^2/NDF:25.2/24

Right Out: 0.000+/-0.060 χ^2/NDF: 40.0/20

Left In: -0.105+/-0.069 χ^2/NDF:31.4/22

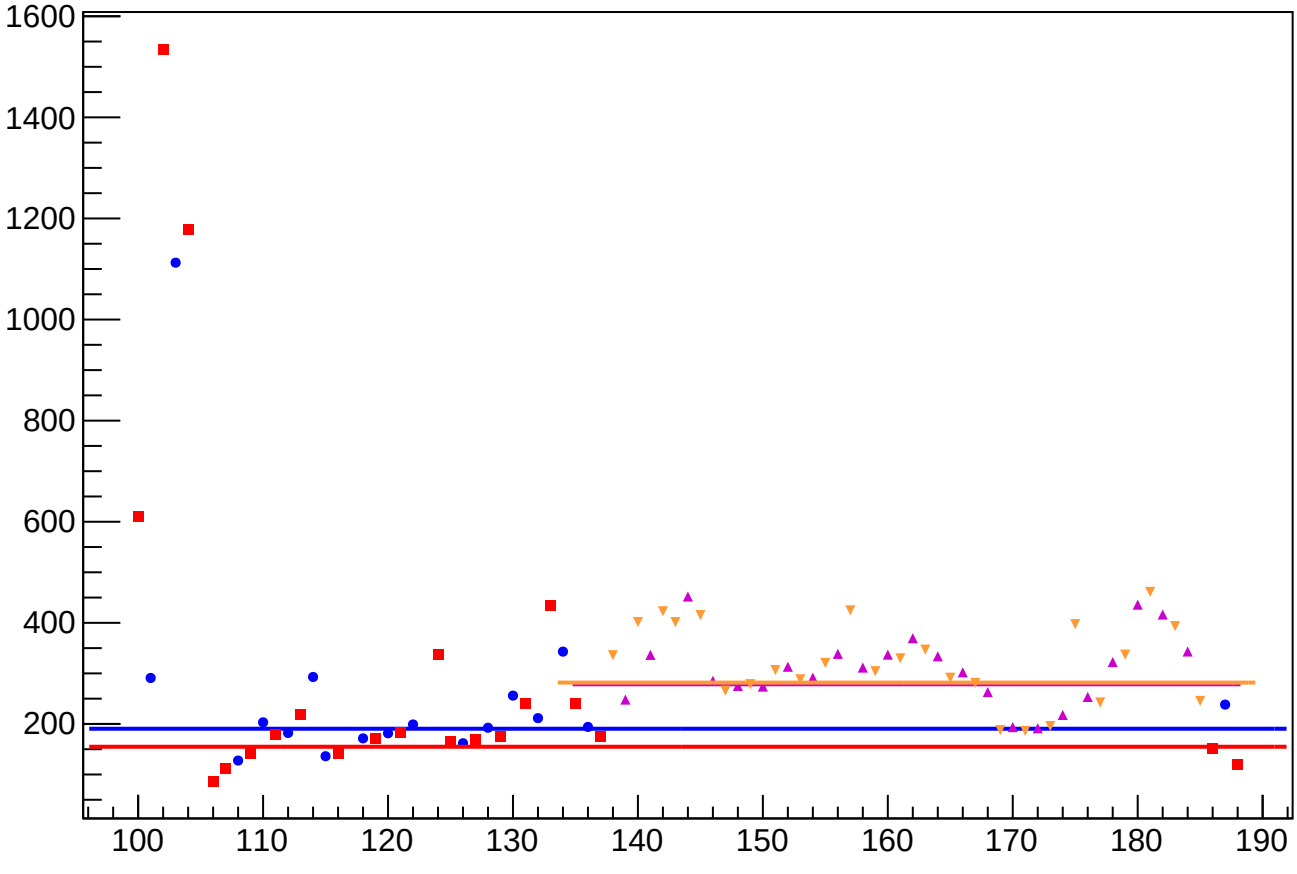
Left: -0.046+/-0.048 χ^2/NDF: 58.1/47

Right: -0.037+/-0.047 χ^2/NDF: 55.6/37

In: -0.102+/-0.051 χ^2/NDF:46.1/39

Out: 0.005+/-0.045 χ^2/NDF:65.2/45

All: -0.042+/-0.034 χ^2/NDF: 113.7/85



Right In: 190.525+/-0.054 χ^2/NDF: 1480282.6/16

Left Out: 281.820+/-0.048 χ^2/NDF:2520889.0/24

Right Out: 154.883+/-0.043 χ^2/NDF: 2807502.3/20

Left In: 278.412+/-0.049 χ^2/NDF:1799730.1/22

Left: 280.130+/-0.034 χ^2/NDF: 4323107.7/47

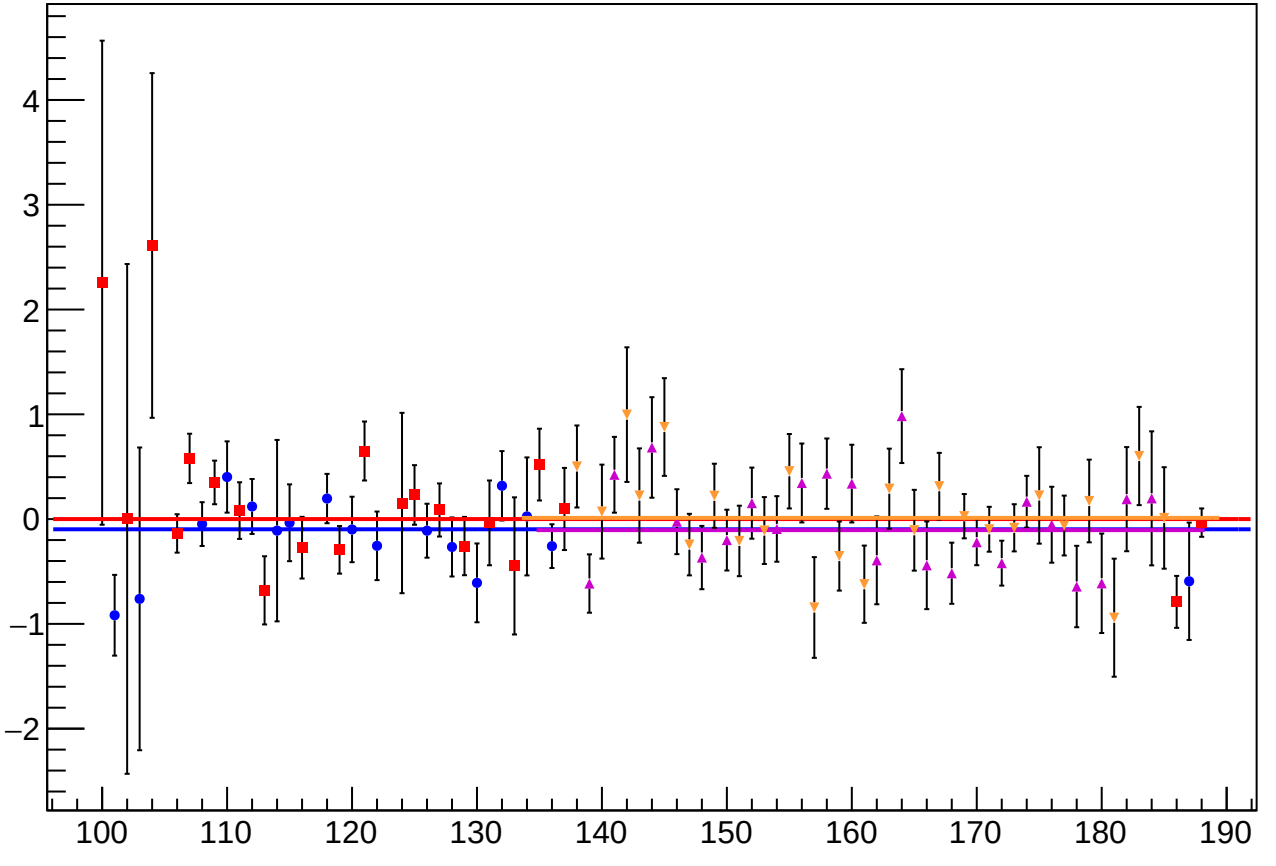
Right: 168.643+/-0.033 χ^2/NDF: 4557428.8/37

In: 238.988+/-0.036 χ^2/NDF:4752624.5/39

Out: 210.732+/-0.032 χ^2/NDF:9225996.9/45

All: 223.160+/-0.024 χ^2/NDF: 14323356.2/85

asym_atr_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.097+/-0.076 χ^2/NDF: 14.7/16

Left Out: 0.012+/-0.068 χ^2/NDF:25.2/24

Right Out: 0.000+/-0.060 χ^2/NDF: 40.0/20

Left In: -0.105+/-0.069 χ^2/NDF:31.4/22

Left: -0.046+/-0.048 χ^2/NDF: 58.1/47

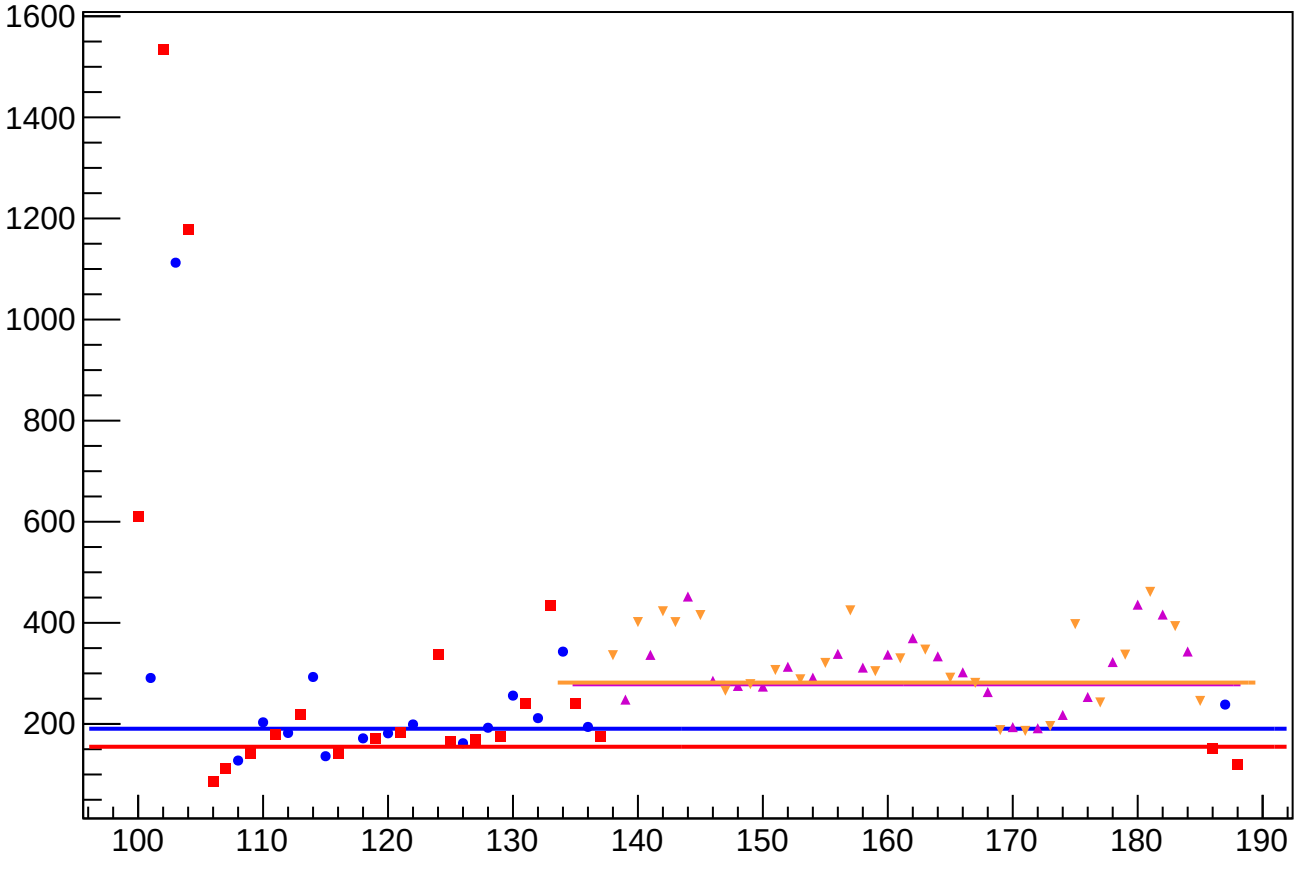
Right: -0.037+/-0.047 χ^2/NDF: 55.6/37

In: -0.102+/-0.051 χ^2/NDF:46.1/39

Out: 0.005+/-0.045 χ^2/NDF:65.2/45

All: -0.042+/-0.034 χ^2/NDF: 113.7/85

asym_atr_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 190.525+/-0.054 χ^2/NDF: 1480282.6/16

Left Out: 281.820+/-0.048 χ^2/NDF:2520889.0/24

Right Out: 154.883+/-0.043 χ^2/NDF: 2807502.3/20

Left In: 278.412+/-0.049 χ^2/NDF:1799730.1/22

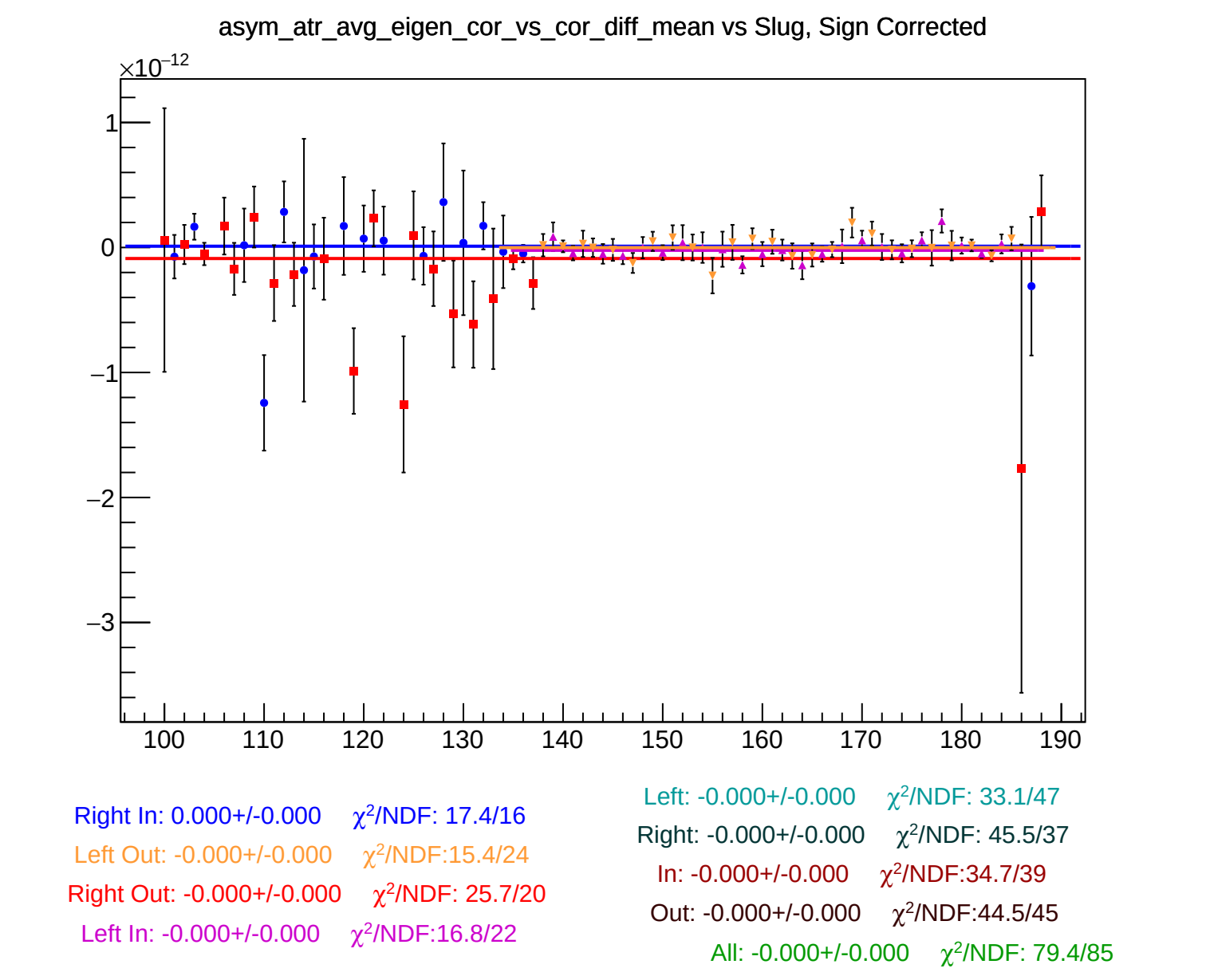
Left: 280.130+/-0.034 χ^2/NDF: 4323107.7/47

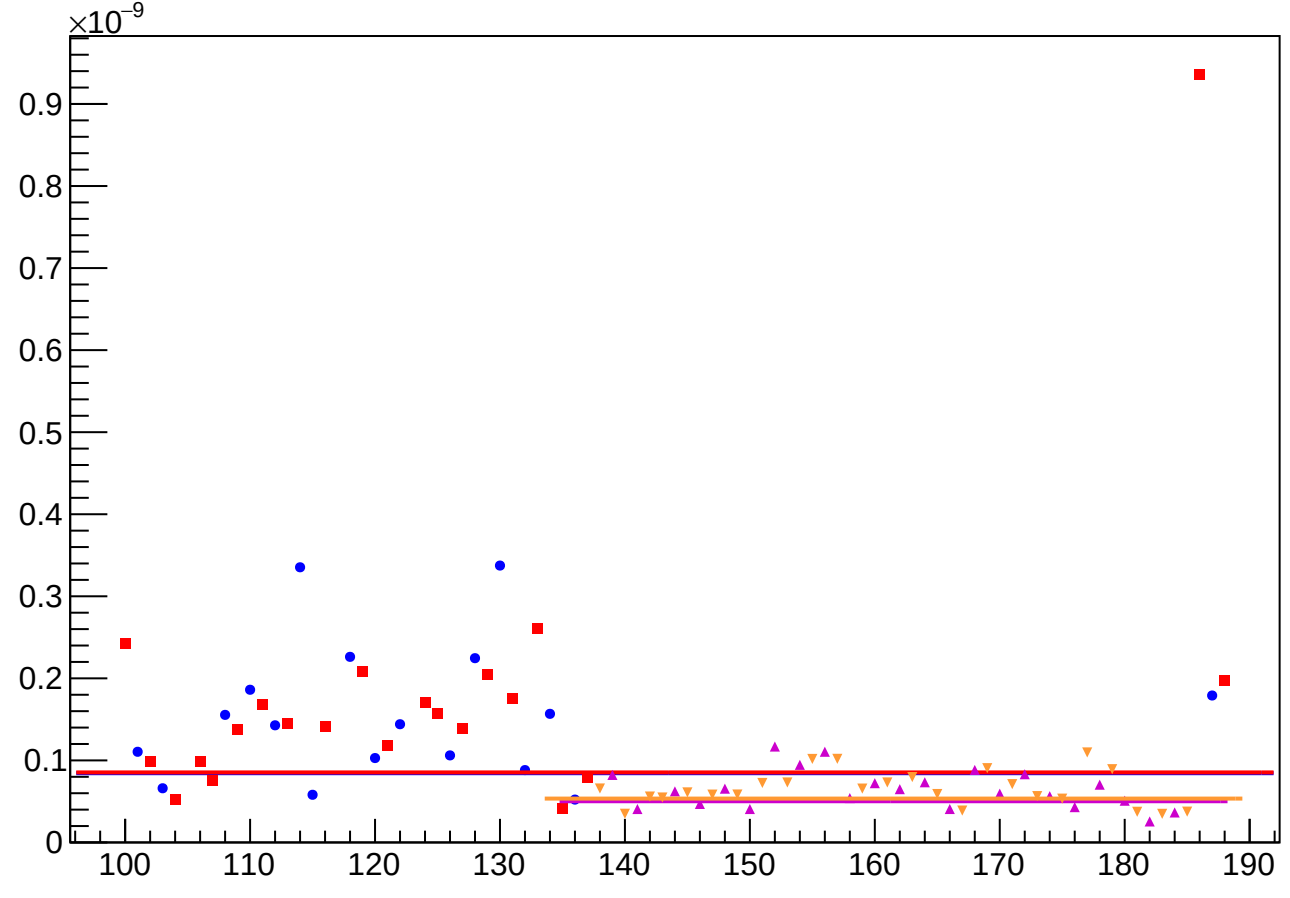
Right: 168.643+/-0.033 χ^2/NDF: 4557428.8/37

In: 238.988+/-0.036 χ^2/NDF:4752624.5/39

Out: 210.732+/-0.032 χ^2/NDF:9225996.9/45

All: 223.160+/-0.024 χ^2/NDF: 14323356.2/85


asym_atr_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1
0
−1
−2
−3
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 17.4/16
Left Out: -0.000+/-0.000 χ²/NDF:15.4/24
Right Out: -0.000+/-0.000 χ²/NDF: 25.7/20
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: 45.5/37
In: -0.000+/-0.000 χ²/NDF:34.7/39
Out: -0.000+/-0.000 χ²/NDF:44.5/45
All: -0.000+/-0.000 χ²/NDF: 79.4/85



Right In: 0.000+/-0.000 χ^2/NDF: 2167780.2/16

Left Out: 0.000+/-0.000 χ^2/NDF:2781376.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3025795.9/20

Left In: 0.000+/-0.000 χ^2/NDF:3367886.1/22

Left: 0.000+/-0.000 χ^2/NDF: 6193032.5/47

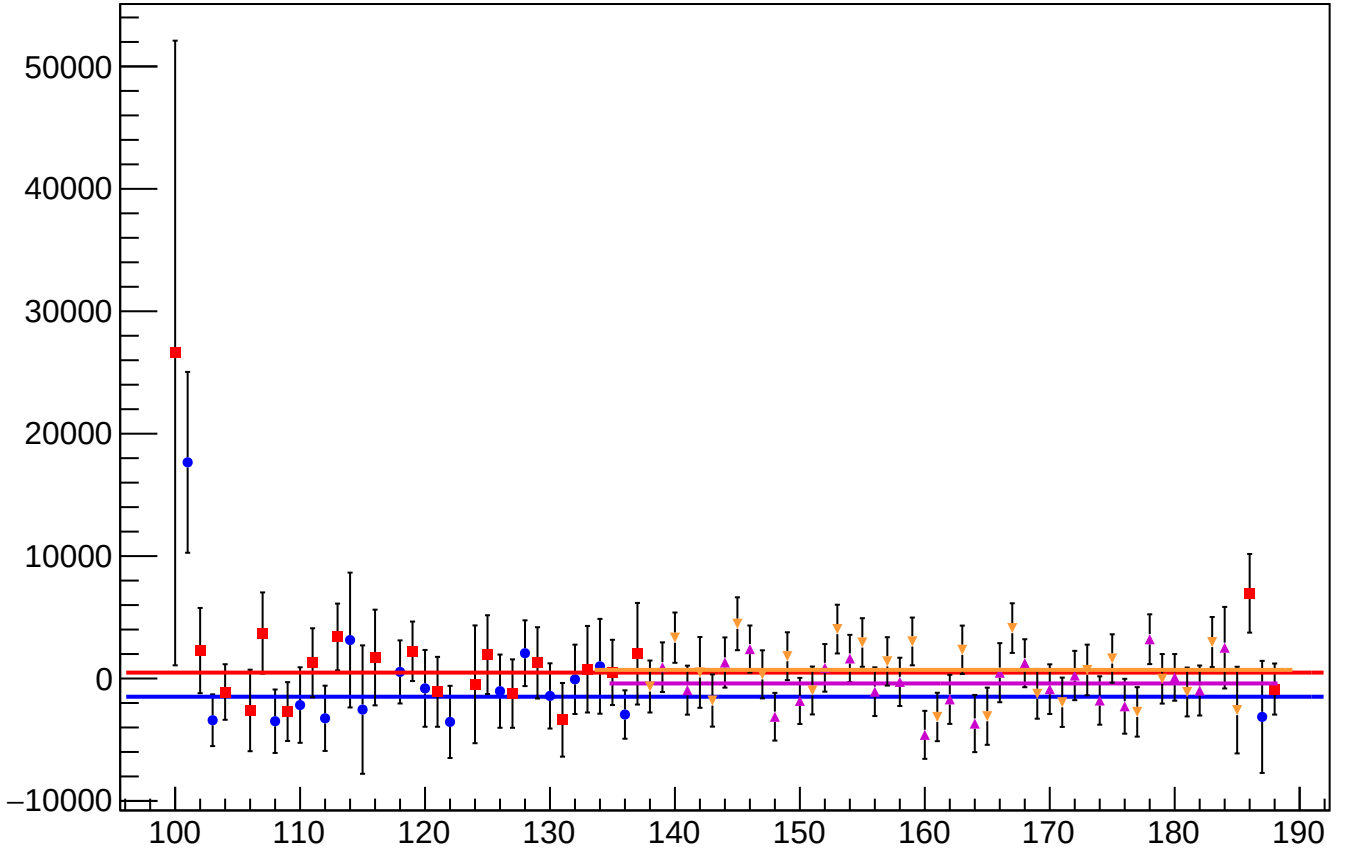
Right: 0.000+/-0.000 χ^2/NDF: 5194038.5/37

In: 0.000+/-0.000 χ^2/NDF:6551822.2/39

Out: 0.000+/-0.000 χ^2/NDF:6732527.5/45

All: 0.000+/-0.000 χ^2/NDF: 13334569.3/85

reg_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -1487.685+/-714.274 χ^2/NDF: 13.6/16

Left Out: 705.742+/-415.383 χ^2/NDF:31.9/24

Right Out: 483.267+/-652.038 χ^2/NDF: 14.5/20

Left In: -403.144+/-426.215 χ^2/NDF:20.7/22

Left: 165.568+/-297.476 χ^2/NDF: 56.1/47

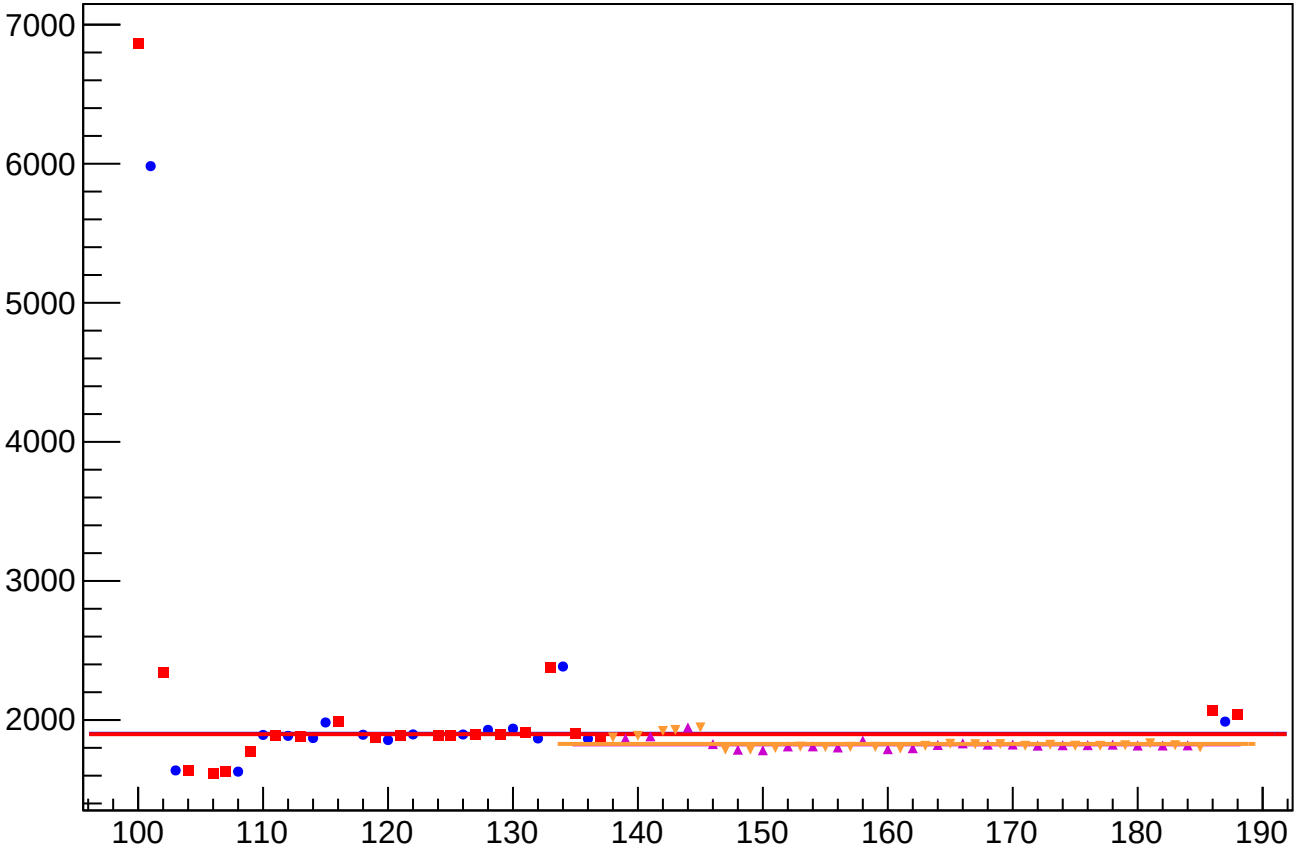
Right: -412.618+/-481.563 χ^2/NDF: 32.3/37

In: -687.914+/-366.006 χ^2/NDF:36.1/39

Out: 641.518+/-350.333 χ^2/NDF:46.5/45

All: 5.875+/-253.083 χ^2/NDF: 89.5/85

reg_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1901.013+/-0.505 χ^2/NDF: 698264.7/16

Left Out: 1828.243+/-0.294 χ^2/NDF:19329.0/24

Right Out: 1898.302+/-0.460 χ^2/NDF: 224838.2/20

Left In: 1825.165+/-0.301 χ^2/NDF:13360.2/22

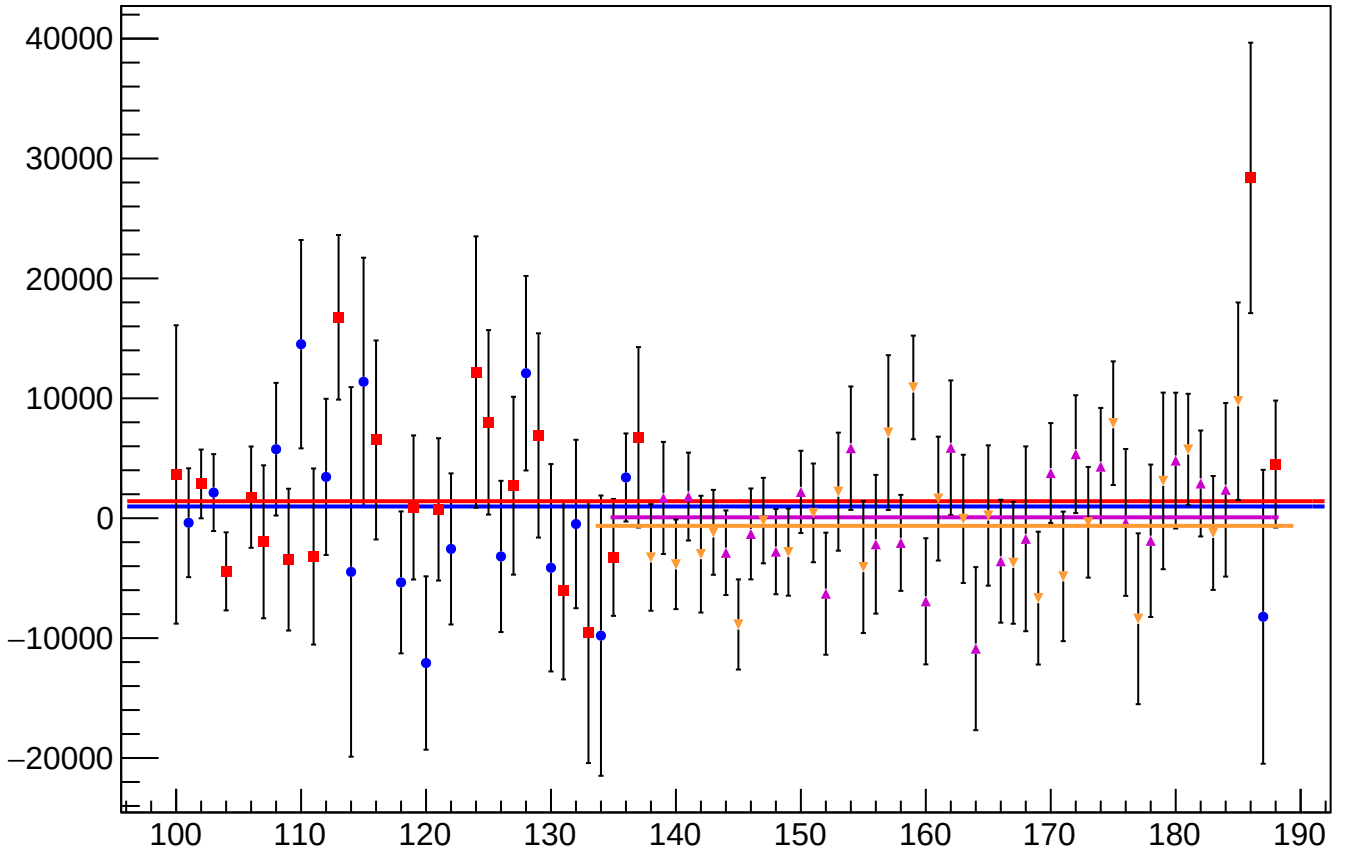
Left: 1826.743+/-0.210 χ^2/NDF: 32742.7/47

Right: 1899.530+/-0.340 χ^2/NDF: 923118.6/37

In: 1845.080+/-0.259 χ^2/NDF:728255.6/39

Out: 1848.551+/-0.248 χ^2/NDF:260659.4/45

All: 1846.893+/-0.179 χ^2/NDF: 989009.0/85



Right In: 978.673+/-1468.605 χ^2/NDF: 13.9/16

Left Out: -637.703+/-946.866 χ^2/NDF:26.0/24

Right Out: 1418.210+/-1261.145 χ^2/NDF: 21.9/20

Left In: 75.764+/-980.243 χ^2/NDF:15.4/22

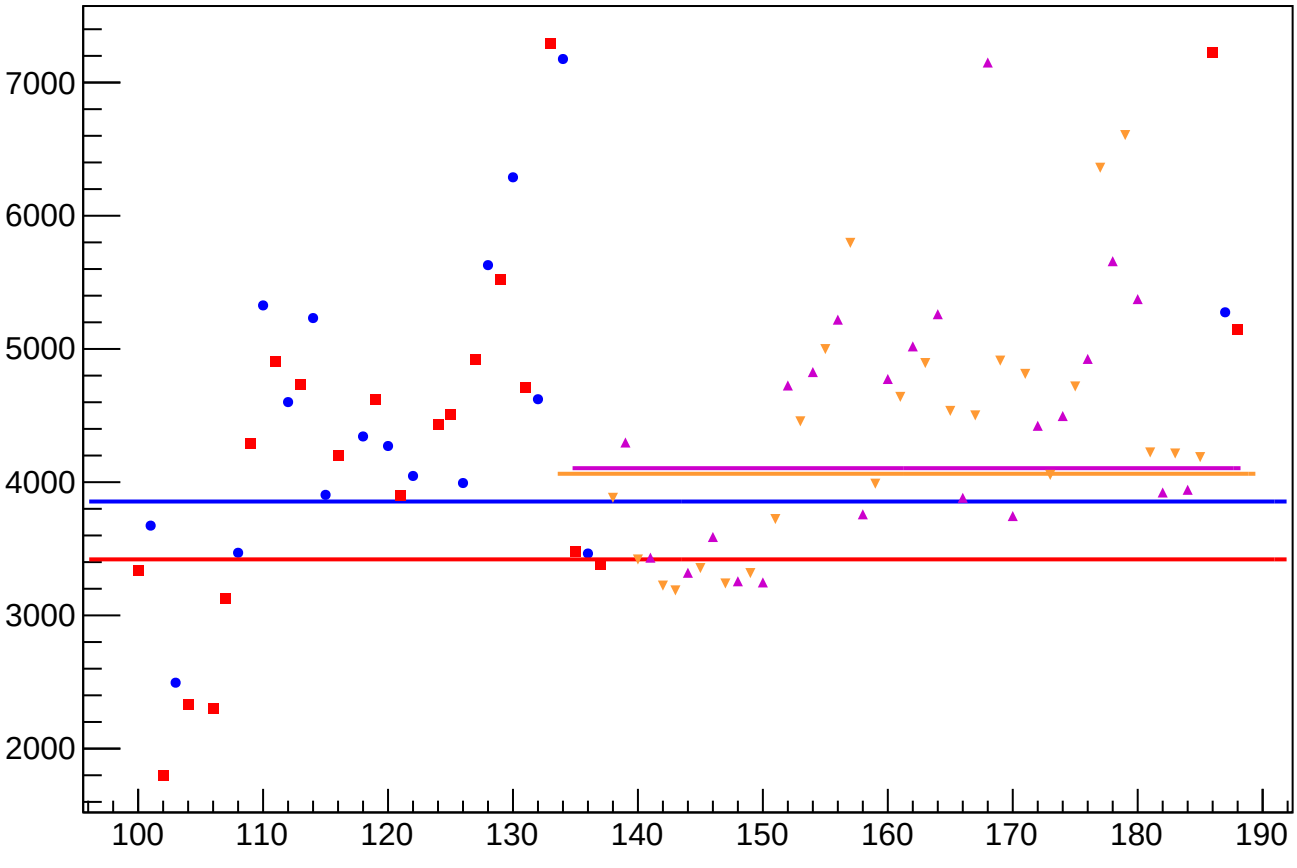
Left: -293.323+/-681.030 χ^2/NDF: 41.7/47

Right: 1231.655+/-956.779 χ^2/NDF: 35.9/37

In: 354.043+/-815.311 χ^2/NDF:29.7/39

Out: 103.434+/-757.203 χ^2/NDF:49.5/45

All: 219.491+/-554.830 χ^2/NDF: 79.2/85



Right In: 3854.858+/-1.038 χ^2/NDF: 984031.6/16

Left Out: 4063.108+/-0.670 χ^2/NDF:1405036.2/24

Right Out: 3420.540+/-0.892 χ^2/NDF: 2333600.5/20

Left In: 4105.057+/-0.693 χ^2/NDF:1359493.1/22

Left: 4083.357+/-0.482 χ^2/NDF: 2766424.2/47

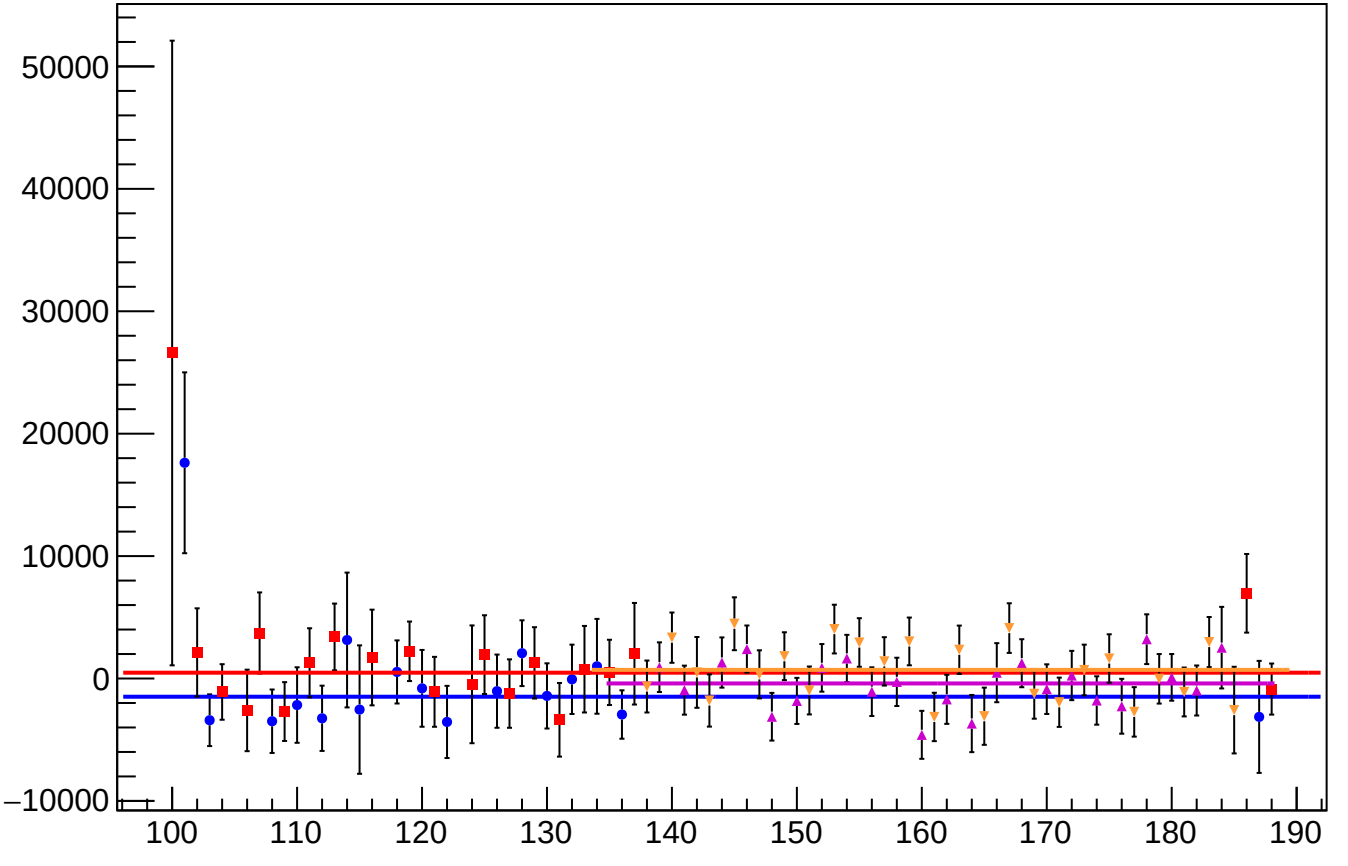
Right: 3604.881+/-0.677 χ^2/NDF: 3418308.5/37

In: 4027.945+/-0.577 χ^2/NDF:2383682.7/39

Out: 3831.469+/-0.535 χ^2/NDF:4070672.3/45

All: 3922.457+/-0.392 χ^2/NDF: 6516714.2/85

cor_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -1488.067+/-714.274 χ^2/NDF: 13.6/16

Left Out: 705.801+/-415.383 χ^2/NDF:31.9/24

Right Out: 474.615+/-652.795 χ^2/NDF: 14.4/20

Left In: -402.981+/-426.215 χ^2/NDF:20.8/22

Left: 165.678+/-297.476 χ^2/NDF: 56.1/47

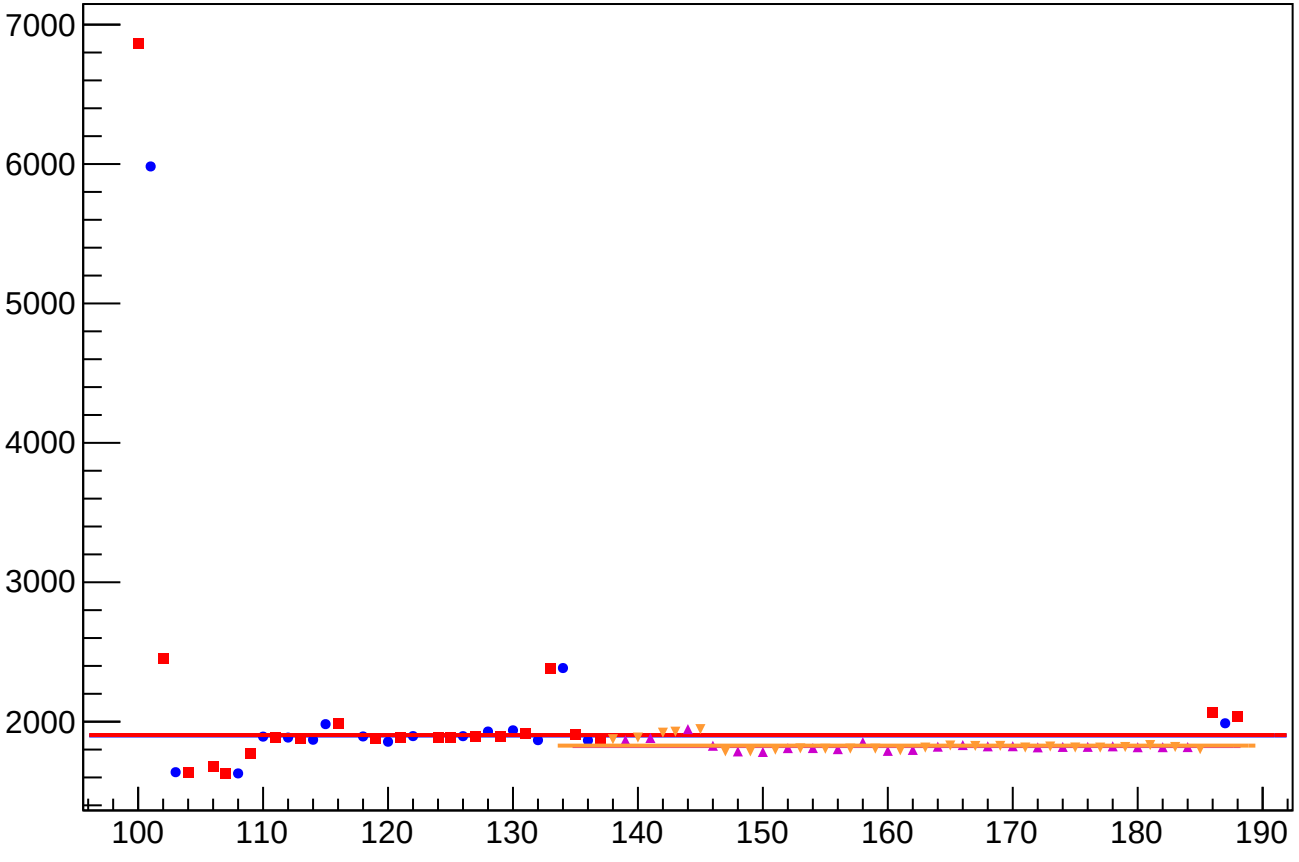
Right: -418.640+/-481.868 χ^2/NDF: 32.1/37

In: -687.893+/-366.006 χ^2/NDF:36.1/39

Out: 639.172+/-350.451 χ^2/NDF:46.4/45

All: 4.439+/-253.127 χ^2/NDF: 89.4/85

cor_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1901.013+/-0.505 χ^2/NDF: 698264.8/16

Left Out: 1828.243+/-0.294 χ^2/NDF:19329.0/24

Right Out: 1904.252+/-0.461 χ^2/NDF: 232431.3/20

Left In: 1825.165+/-0.301 χ^2/NDF:13360.2/22

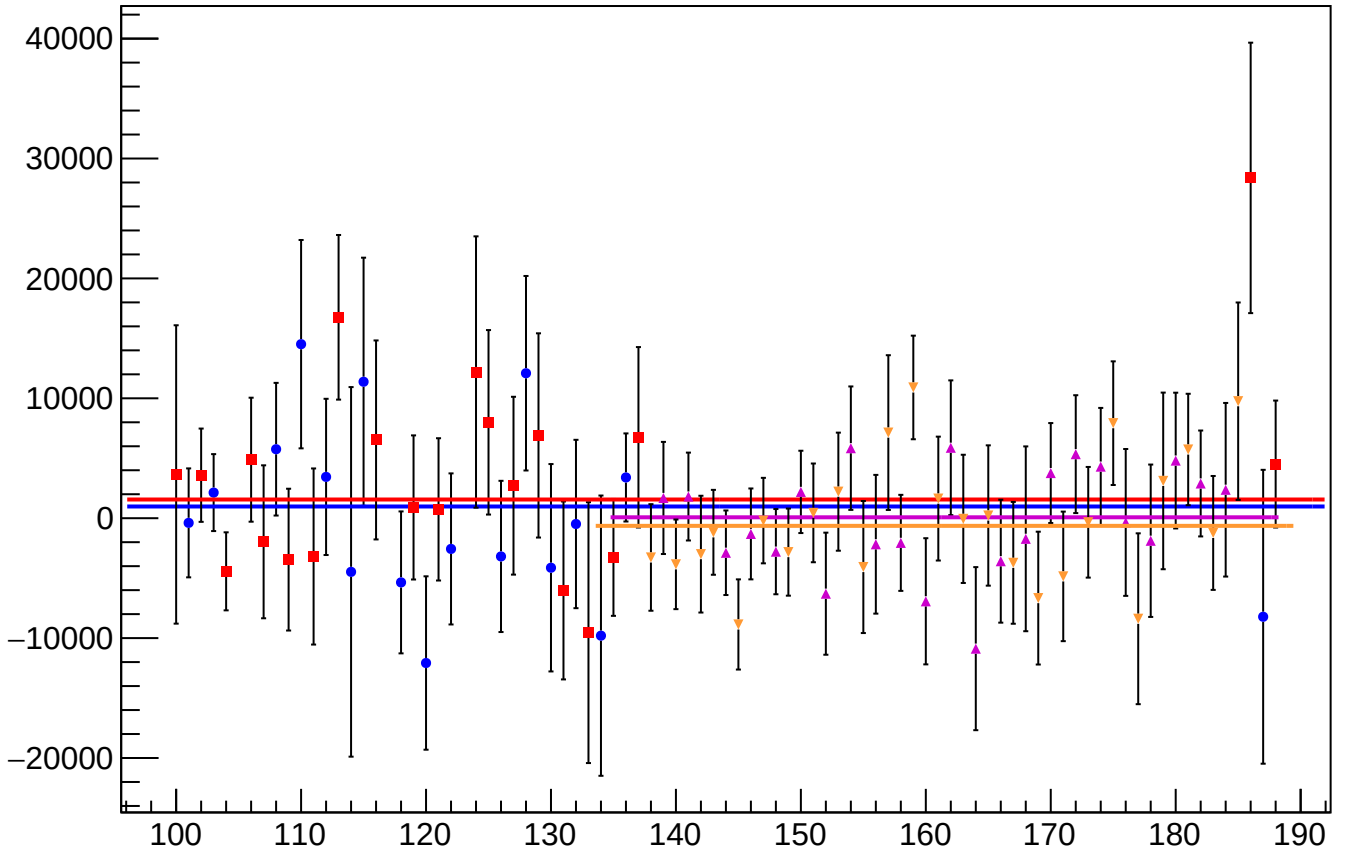
Left: 1826.743+/-0.210 χ^2/NDF: 32742.7/47

Right: 1902.780+/-0.340 χ^2/NDF: 930718.6/37

In: 1845.080+/-0.259 χ^2/NDF:728255.7/39

Out: 1850.190+/-0.248 χ^2/NDF:271097.3/45

All: 1847.747+/-0.179 χ^2/NDF: 999556.5/85



Right In: 977.486+/-1468.774 χ^2/NDF: 13.9/16

Left Out: -637.720+/-946.866 χ^2/NDF:26.0/24

Right Out: 1559.959+/-1342.938 χ^2/NDF: 22.3/20

Left In: 75.789+/-980.241 χ^2/NDF:15.4/22

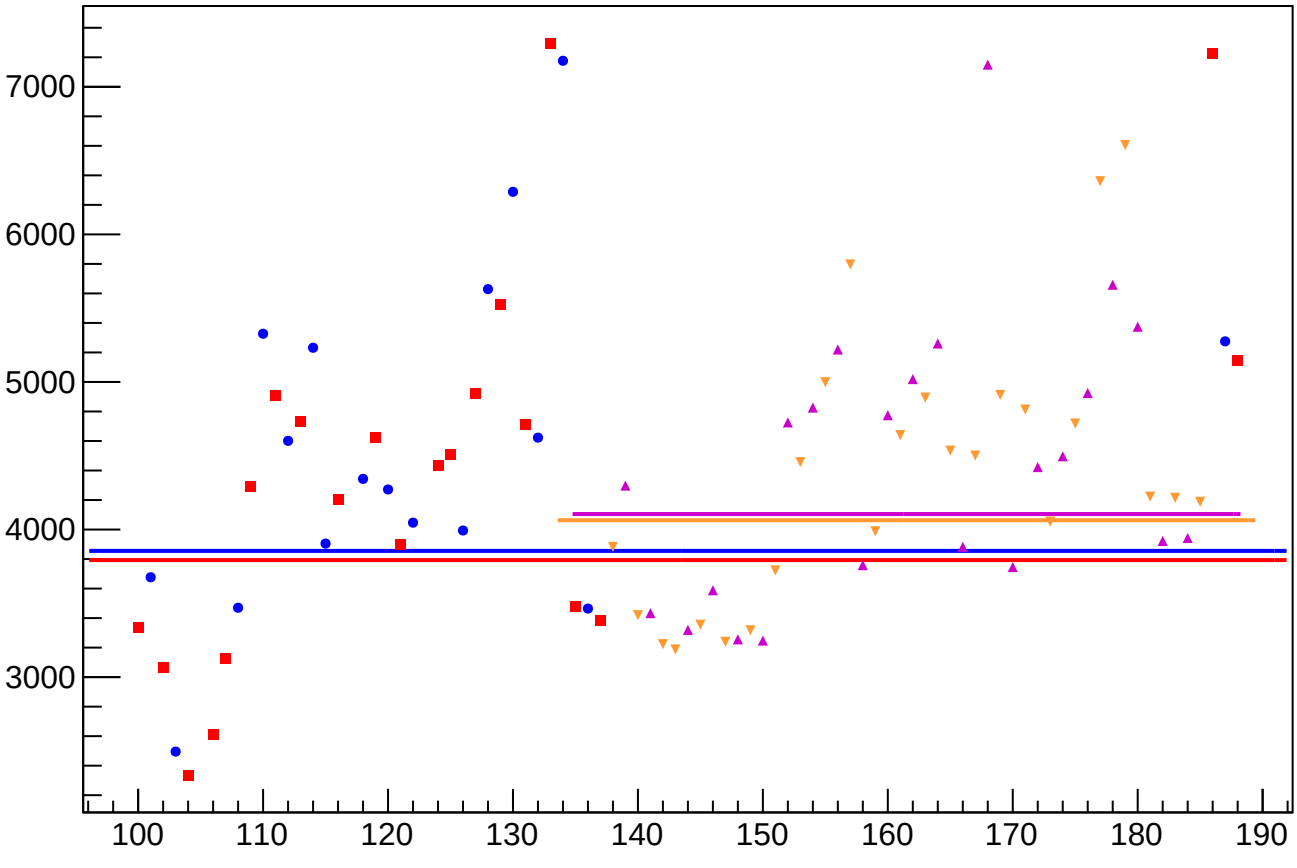
Left: -293.319+/-681.029 χ^2/NDF: 41.7/47

Right: 1294.739+/-991.107 χ^2/NDF: 36.4/37

In: 353.650+/-815.339 χ^2/NDF:29.7/39

Out: 92.025+/-773.855 χ^2/NDF:50.1/45

All: 216.013+/-561.291 χ^2/NDF: 79.8/85



Right In: 3855.382+/-1.039 χ^2/NDF: 983549.3/16

Left Out: 4063.106+/-0.670 χ^2/NDF:1405030.5/24

Right Out: 3793.103+/-0.950 χ^2/NDF: 1463575.0/20

Left In: 4105.050+/-0.693 χ^2/NDF:1359501.9/22

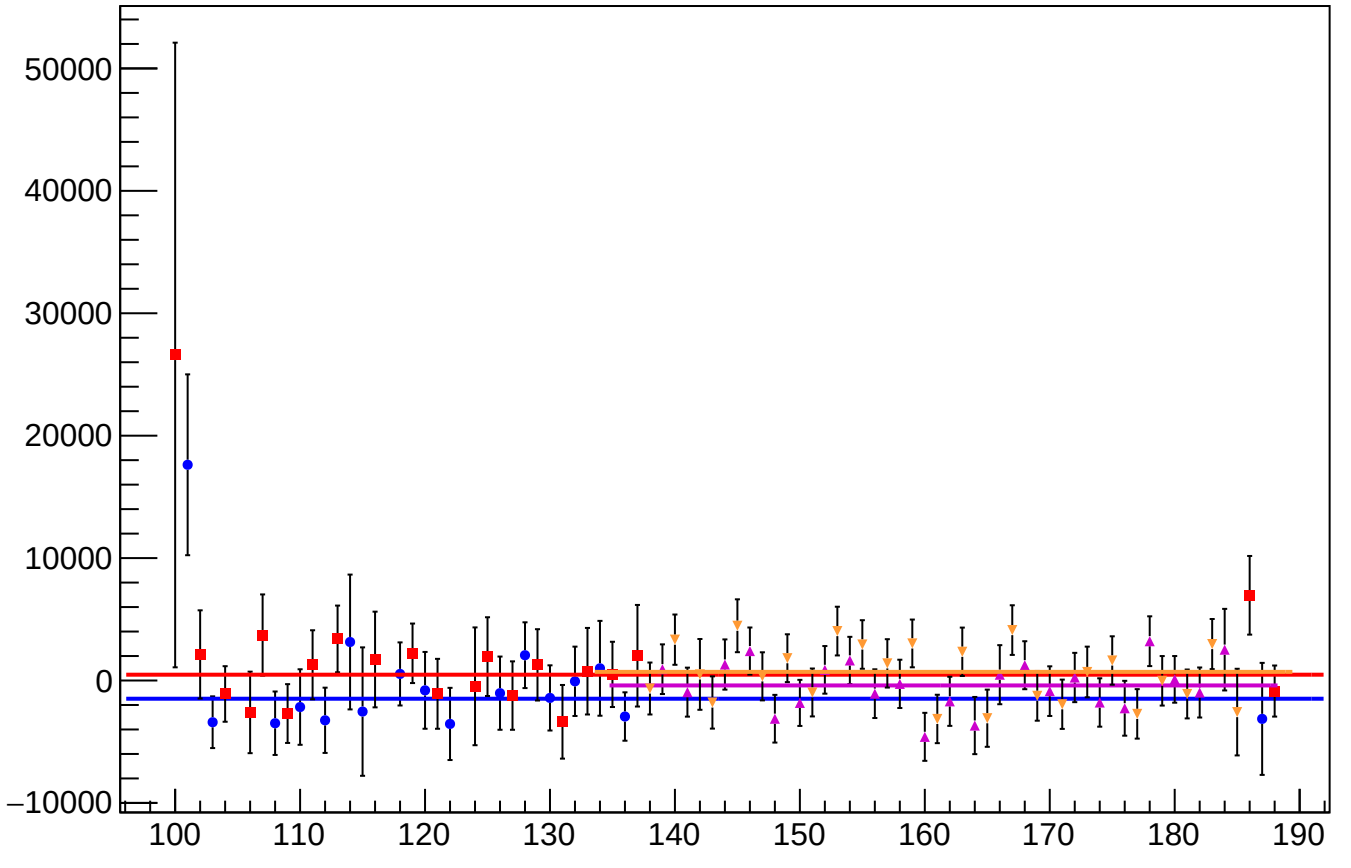
Left: 4083.351+/-0.482 χ^2/NDF: 2766426.7/47

Right: 3821.461+/-0.701 χ^2/NDF: 2449082.8/37

In: 4028.114+/-0.577 χ^2/NDF:2383032.4/39

Out: 3973.451+/-0.547 χ^2/NDF:2922605.7/45

All: 3999.356+/-0.397 χ^2/NDF: 5310367.4/85



Right In: -1488.067+/-714.274 χ^2/NDF: 13.6/16

Left Out: 705.801+/-415.383 χ^2/NDF:31.9/24

Right Out: 474.615+/-652.795 χ^2/NDF: 14.4/20

Left In: -402.981+/-426.215 χ^2/NDF:20.8/22

Left: 165.678+/-297.476 χ^2/NDF: 56.1/47

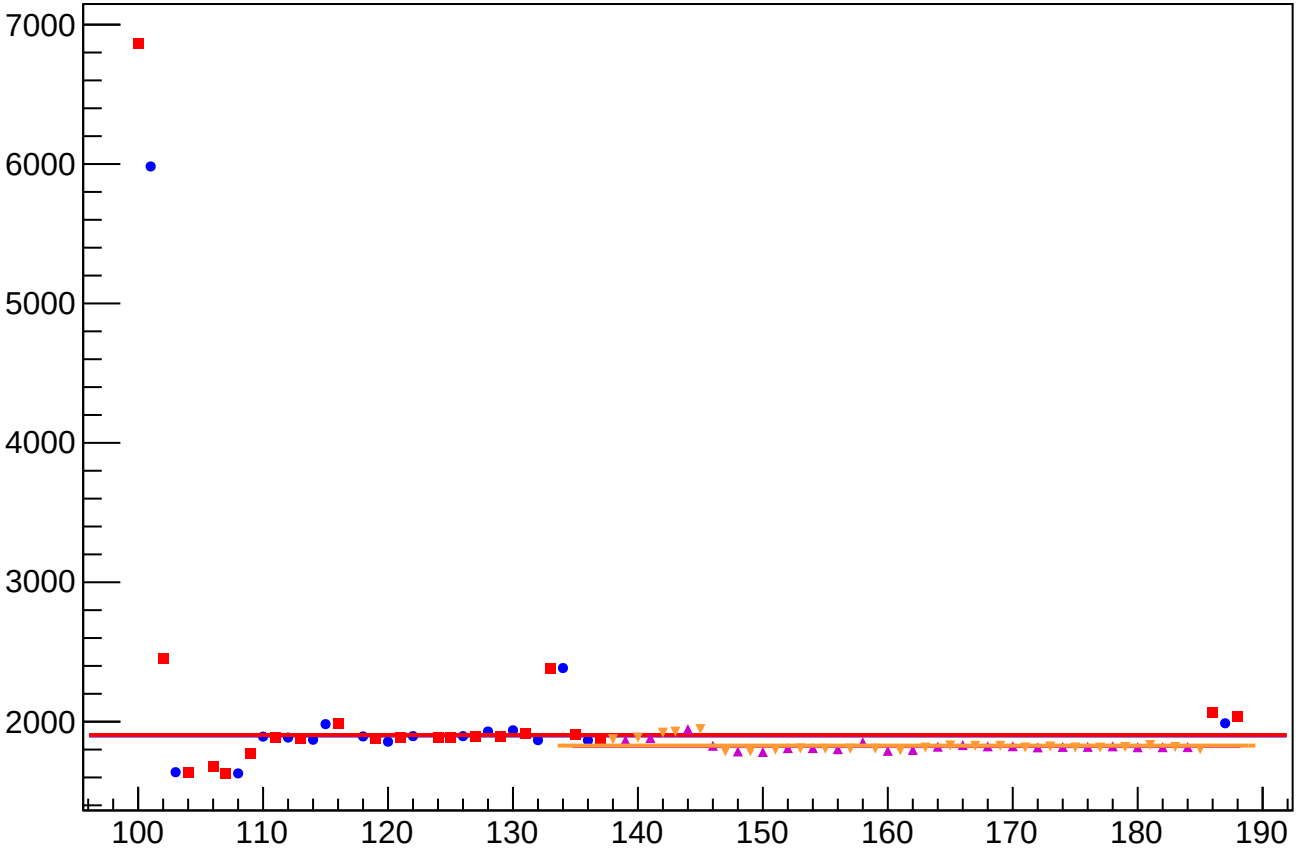
Right: -418.640+/-481.868 χ^2/NDF: 32.1/37

In: -687.893+/-366.006 χ^2/NDF:36.1/39

Out: 639.172+/-350.451 χ^2/NDF:46.4/45

All: 4.439+/-253.127 χ^2/NDF: 89.4/85

eigen_cor_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1901.013+/-0.505 χ^2/NDF: 698264.8/16

Left Out: 1828.243+/-0.294 χ^2/NDF:19329.0/24

Right Out: 1904.252+/-0.461 χ^2/NDF: 232431.3/20

Left In: 1825.165+/-0.301 χ^2/NDF:13360.2/22

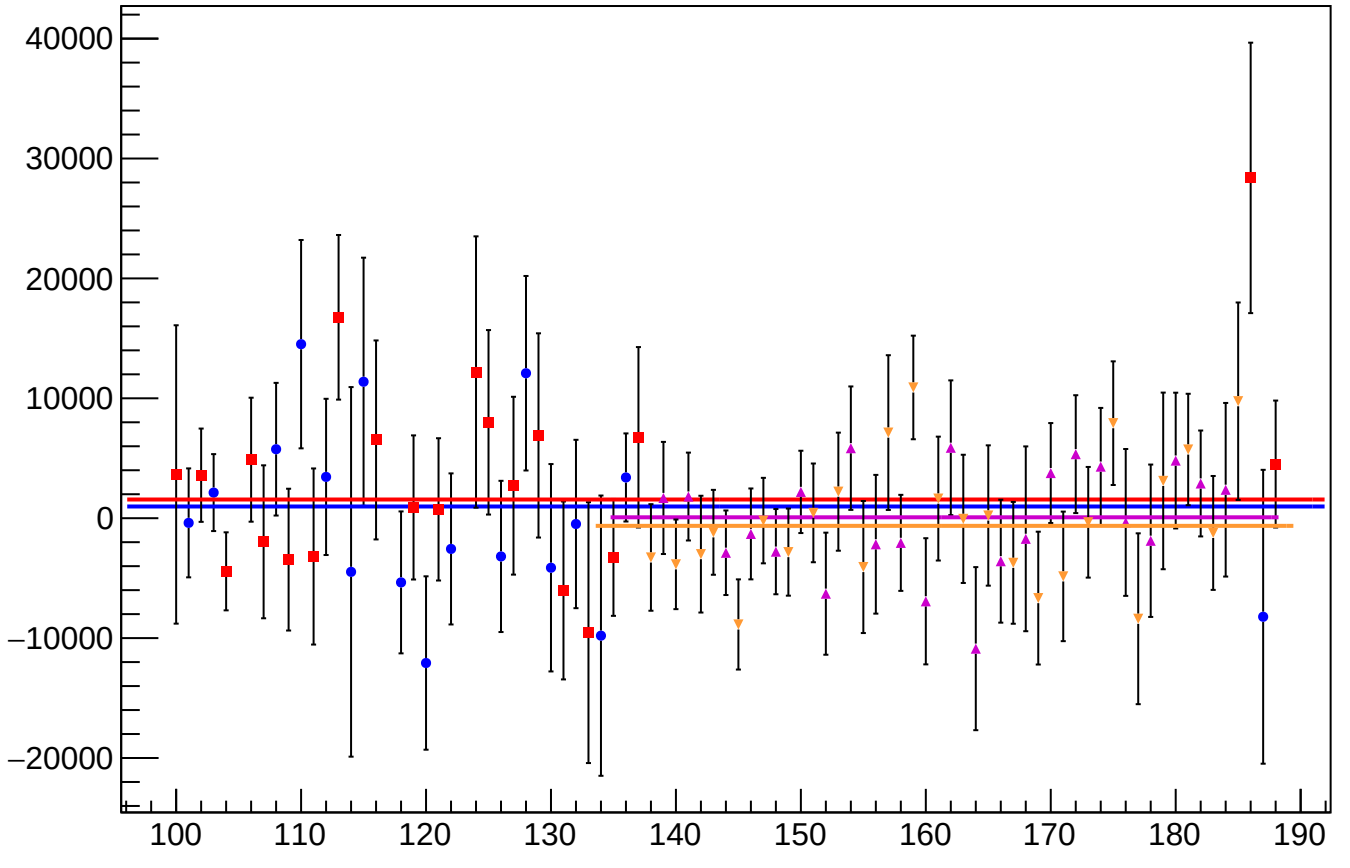
Left: 1826.743+/-0.210 χ^2/NDF: 32742.7/47

Right: 1902.780+/-0.340 χ^2/NDF: 930718.6/37

In: 1845.080+/-0.259 χ^2/NDF:728255.7/39

Out: 1850.190+/-0.248 χ^2/NDF:271097.3/45

All: 1847.747+/-0.179 χ^2/NDF: 999556.5/85



Right In: 977.486+/-1468.774 χ^2/NDF: 13.9/16

Left Out: -637.720+/-946.866 χ^2/NDF:26.0/24

Right Out: 1559.959+/-1342.938 χ^2/NDF: 22.3/20

Left In: 75.789+/-980.241 χ^2/NDF:15.4/22

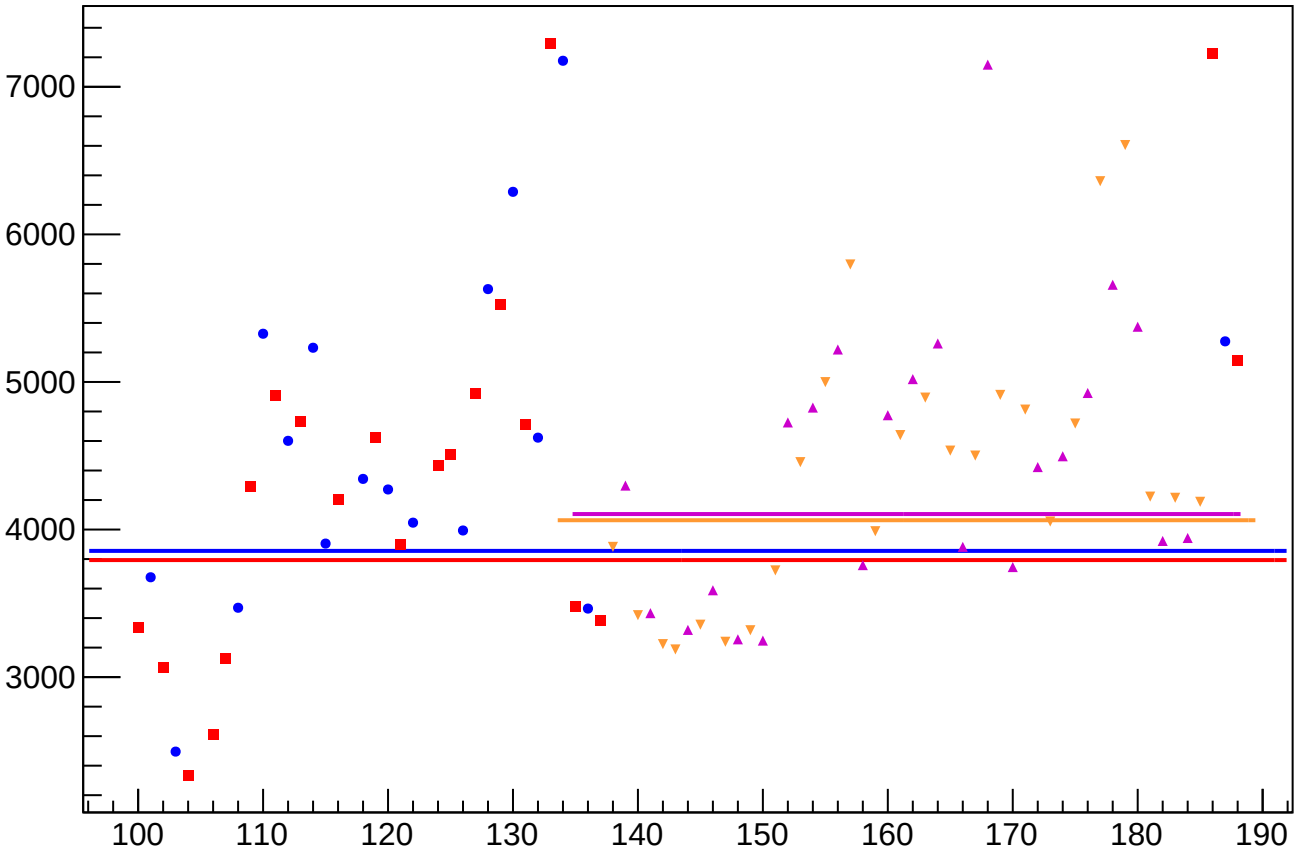
Left: -293.319+/-681.029 χ^2/NDF: 41.7/47

Right: 1294.739+/-991.107 χ^2/NDF: 36.4/37

In: 353.650+/-815.339 χ^2/NDF:29.7/39

Out: 92.025+/-773.855 χ^2/NDF:50.1/45

All: 216.013+/-561.291 χ^2/NDF: 79.8/85



Right In: 3855.382+/-1.039 χ^2/NDF: 983549.3/16

Left Out: 4063.106+/-0.670 χ^2/NDF:1405030.5/24

Right Out: 3793.103+/-0.950 χ^2/NDF: 1463575.0/20

Left In: 4105.050+/-0.693 χ^2/NDF:1359501.9/22

Left: 4083.351+/-0.482 χ^2/NDF: 2766426.7/47

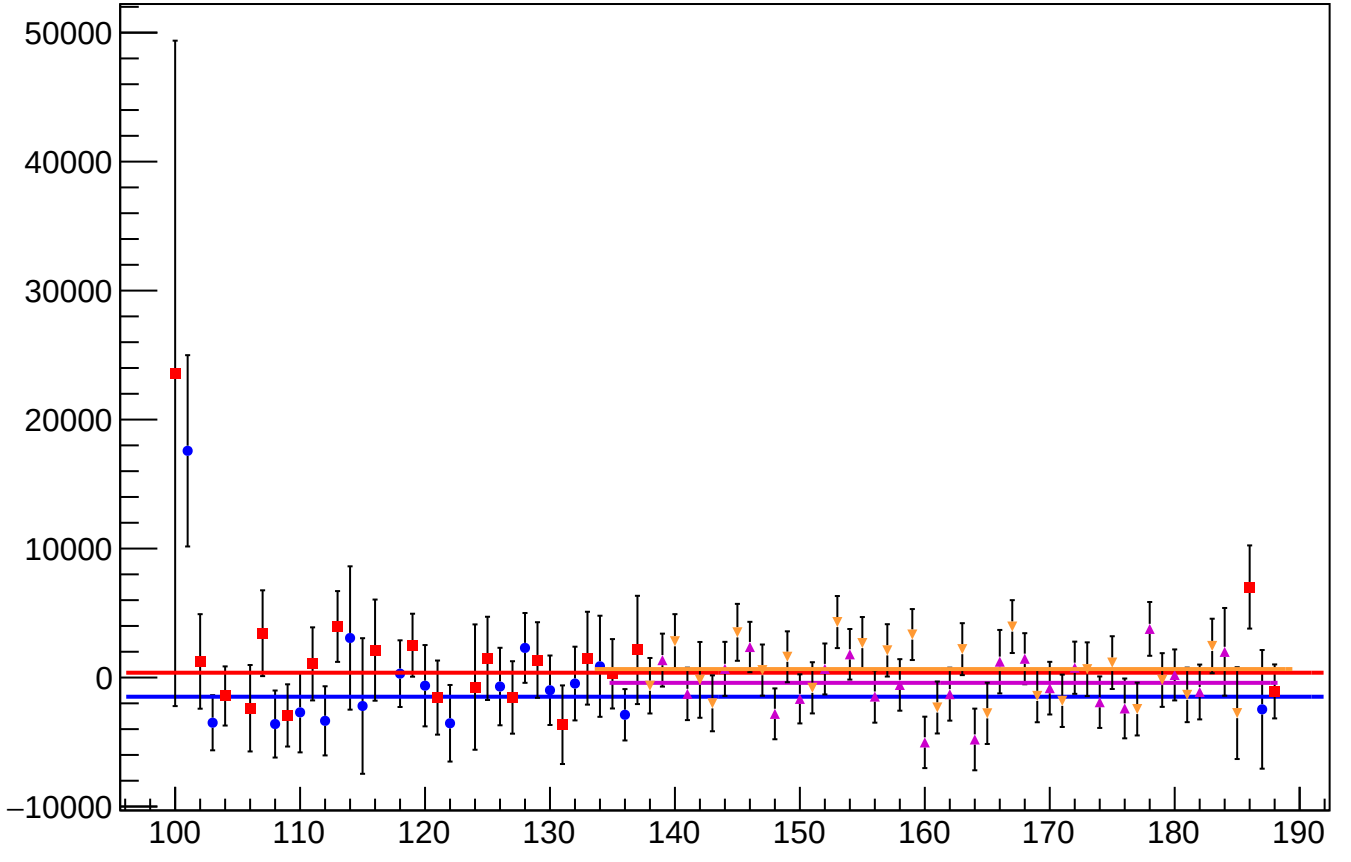
Right: 3821.461+/-0.701 χ^2/NDF: 2449082.8/37

In: 4028.114+/-0.577 χ^2/NDF:2383032.4/39

Out: 3973.451+/-0.547 χ^2/NDF:2922605.7/45

All: 3999.356+/-0.397 χ^2/NDF: 5310367.4/85

dit_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -1487.177+/-719.317 χ^2/NDF: 13.6/16

Left Out: 657.616+/-423.063 χ^2/NDF:27.0/24

Right Out: 374.468+/-657.290 χ^2/NDF: 15.6/20

Left In: -410.869+/-433.856 χ^2/NDF:23.6/22

Left: 136.829+/-302.895 χ^2/NDF: 53.8/47

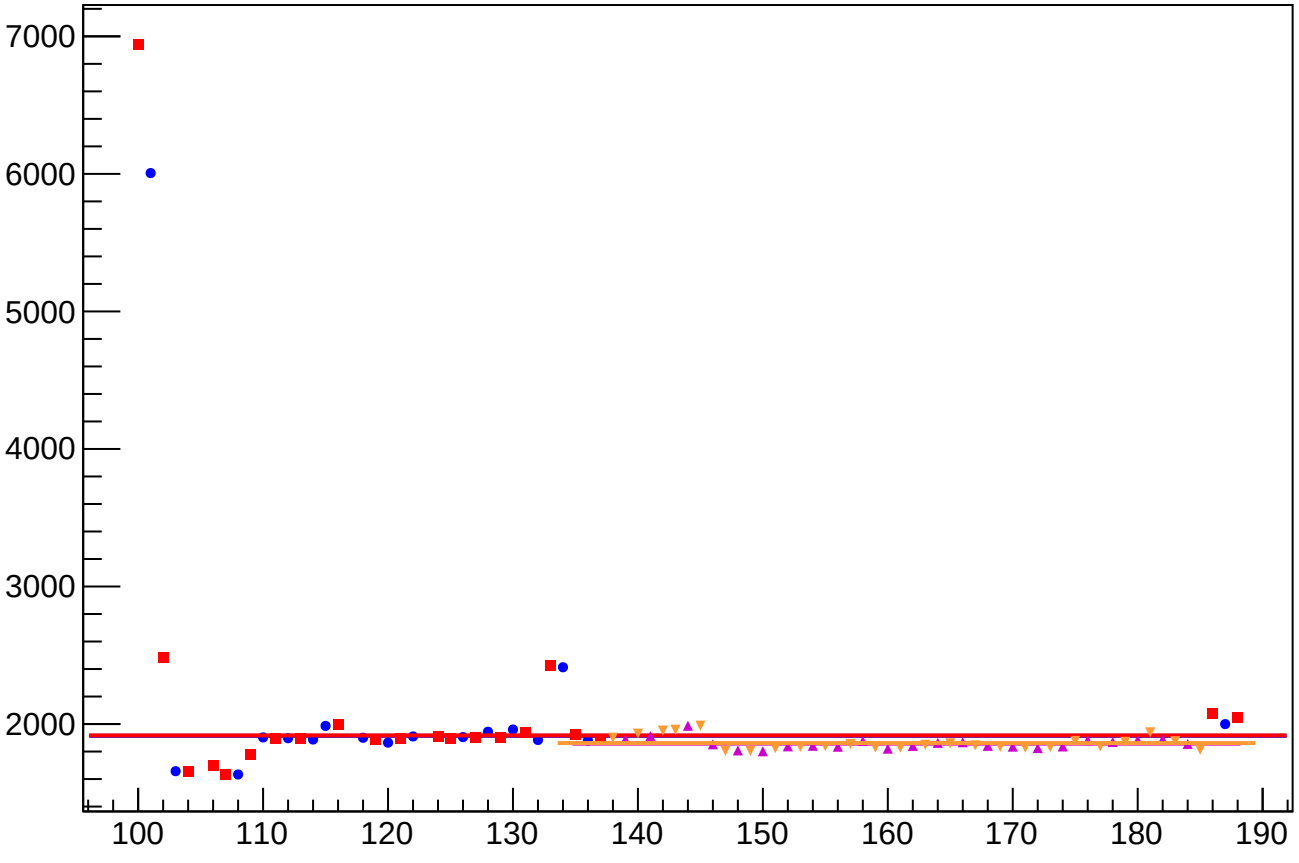
Right: -472.642+/-485.223 χ^2/NDF: 32.8/37

In: -697.973+/-371.511 χ^2/NDF:38.9/39

Out: 574.674+/-355.744 χ^2/NDF:42.7/45

All: -34.070+/-256.942 χ^2/NDF: 87.8/85

dit_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1914.506+/-0.509 χ^2/NDF: 696918.8/16

Left Out: 1861.731+/-0.299 χ^2/NDF:26014.9/24

Right Out: 1917.234+/-0.464 χ^2/NDF: 234273.0/20

Left In: 1857.661+/-0.307 χ^2/NDF:16381.0/22

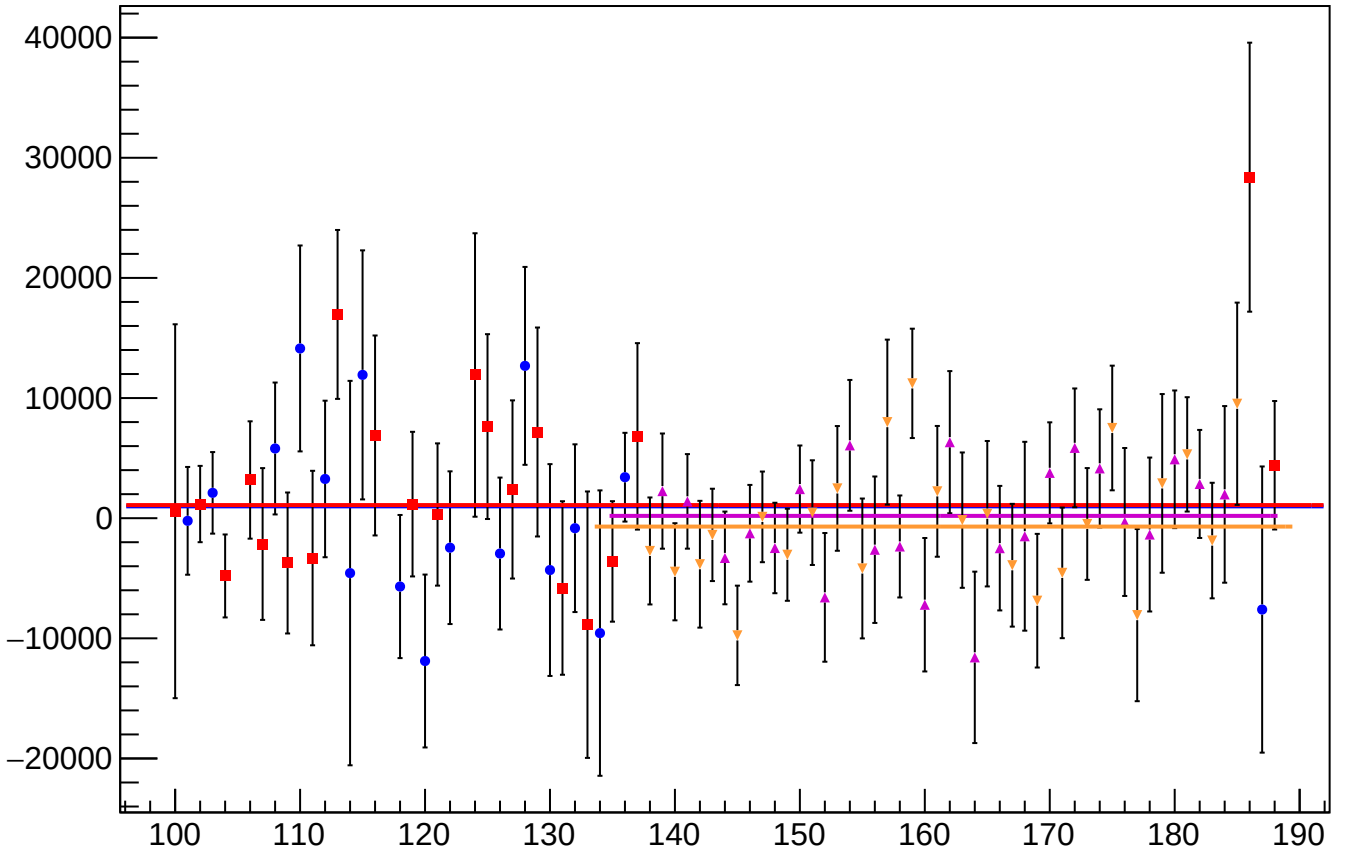
Left: 1859.747+/-0.214 χ^2/NDF: 42486.2/47

Right: 1915.994+/-0.343 χ^2/NDF: 931207.5/37

In: 1872.824+/-0.263 χ^2/NDF:722458.7/39

Out: 1878.010+/-0.251 χ^2/NDF:270384.6/45

All: 1875.530+/-0.182 χ^2/NDF: 993046.6/85



Right In: 984.358+/-1485.968 χ^2/NDF: 14.0/16

Left Out: -698.287+/-990.035 χ^2/NDF:25.3/24

Right Out: 1091.450+/-1318.625 χ^2/NDF: 21.6/20

Left In: 192.486+/-1022.469 χ^2/NDF:15.2/22

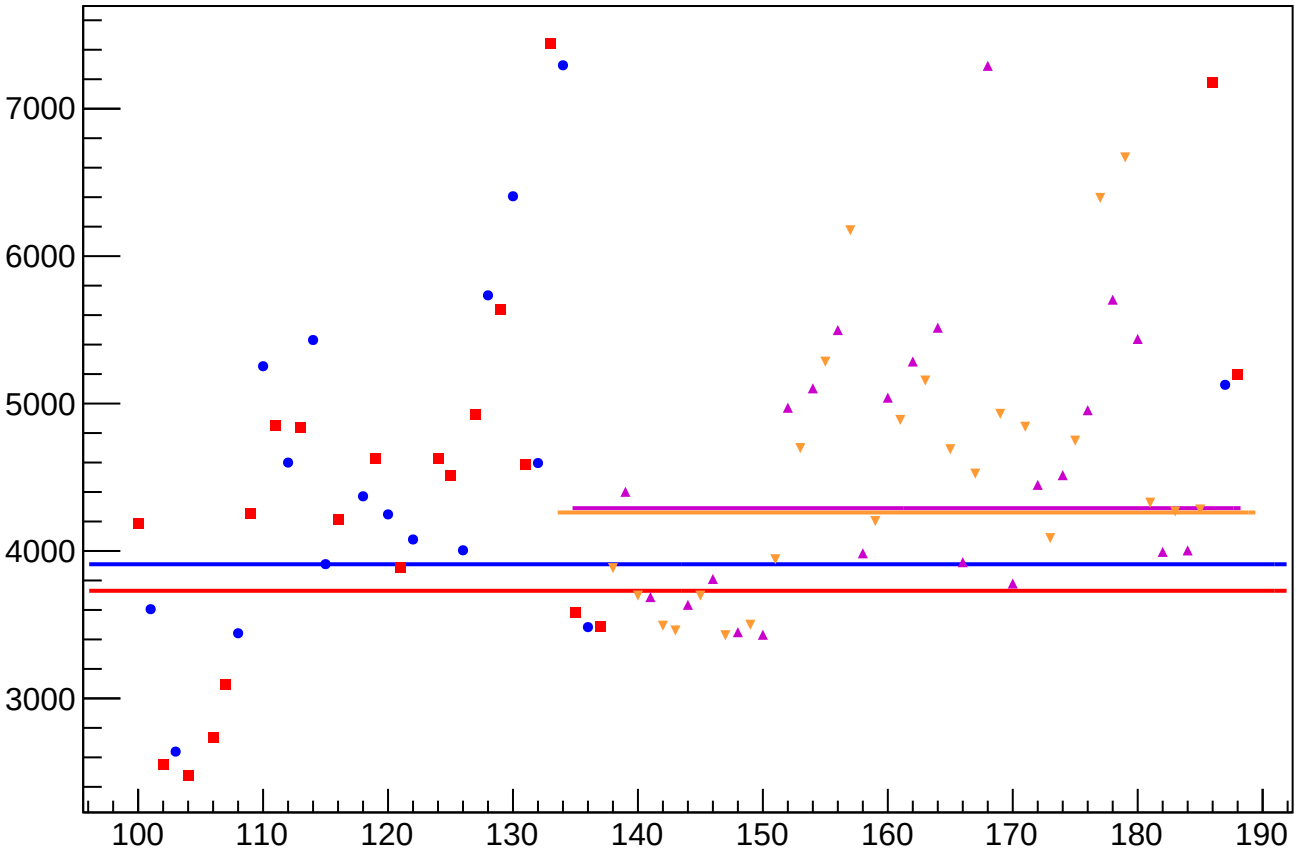
Left: -267.253+/-711.250 χ^2/NDF: 40.9/47

Right: 1044.271+/-986.289 χ^2/NDF: 35.5/37

In: 446.933+/-842.328 χ^2/NDF:29.3/39

Out: -53.092+/-791.720 χ^2/NDF:48.1/45

All: 181.449+/-576.893 χ^2/NDF: 77.6/85



Right In: 3909.956+/-1.051 χ^2/NDF: 899639.8/16

Left Out: 4261.124+/-0.700 χ^2/NDF:1190561.4/24

Right Out: 3730.016+/-0.932 χ^2/NDF: 1585666.6/20

Left In: 4290.398+/-0.723 χ^2/NDF:1213964.7/22

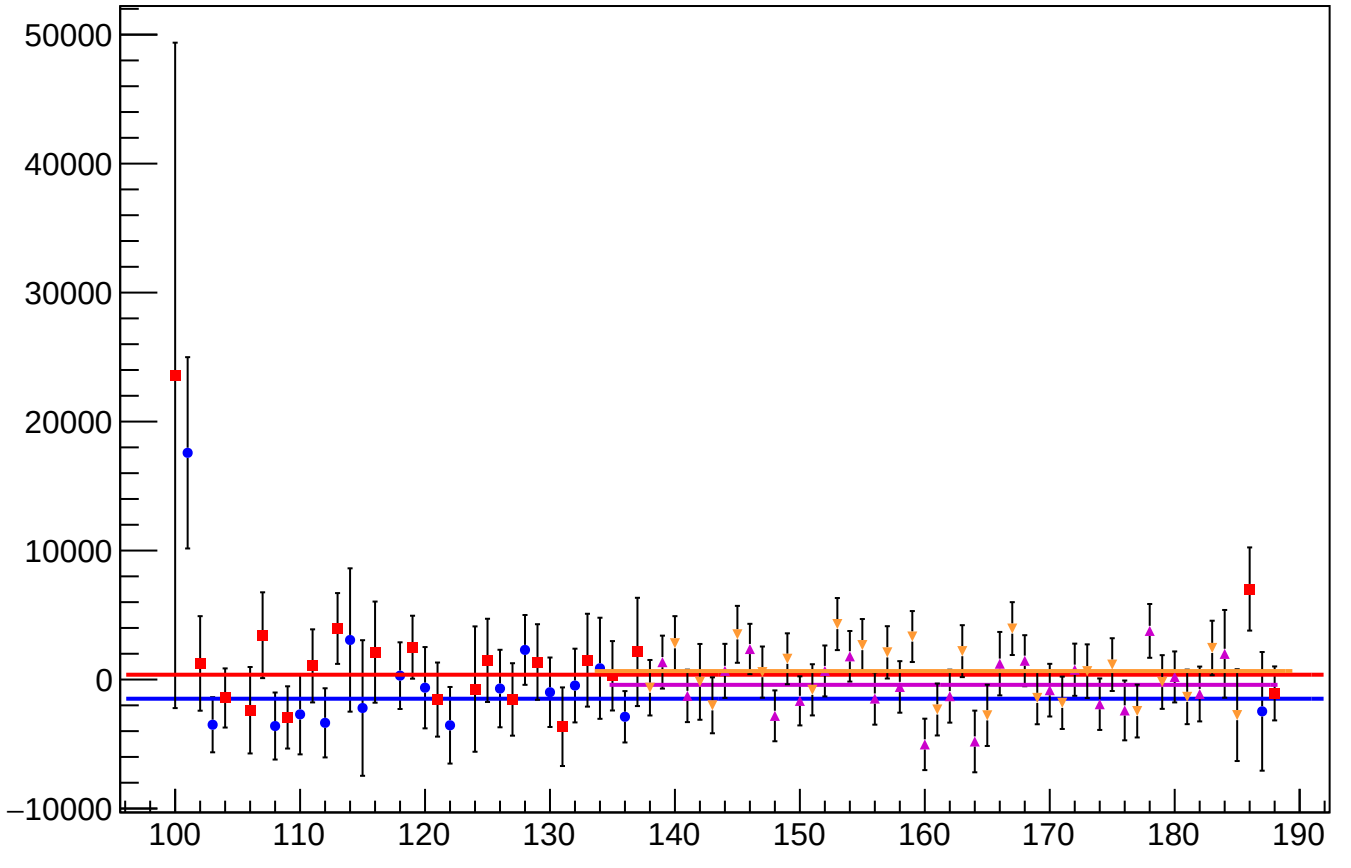
Left: 4275.289+/-0.503 χ^2/NDF: 2405372.2/47

Right: 3809.288+/-0.697 χ^2/NDF: 2501713.4/37

In: 4168.153+/-0.596 χ^2/NDF:2202575.9/39

Out: 4069.661+/-0.560 χ^2/NDF:2983717.1/45

All: 4115.860+/-0.408 χ^2/NDF: 5200811.0/85



Right In: -1487.183+/-719.317 χ^2/NDF: 13.6/16

Left Out: 657.622+/-423.063 χ^2/NDF:27.0/24

Right Out: 374.461+/-657.290 χ^2/NDF: 15.6/20

Left In: -410.869+/-433.856 χ^2/NDF:23.6/22

Left: 136.832+/-302.895 χ^2/NDF: 53.8/47

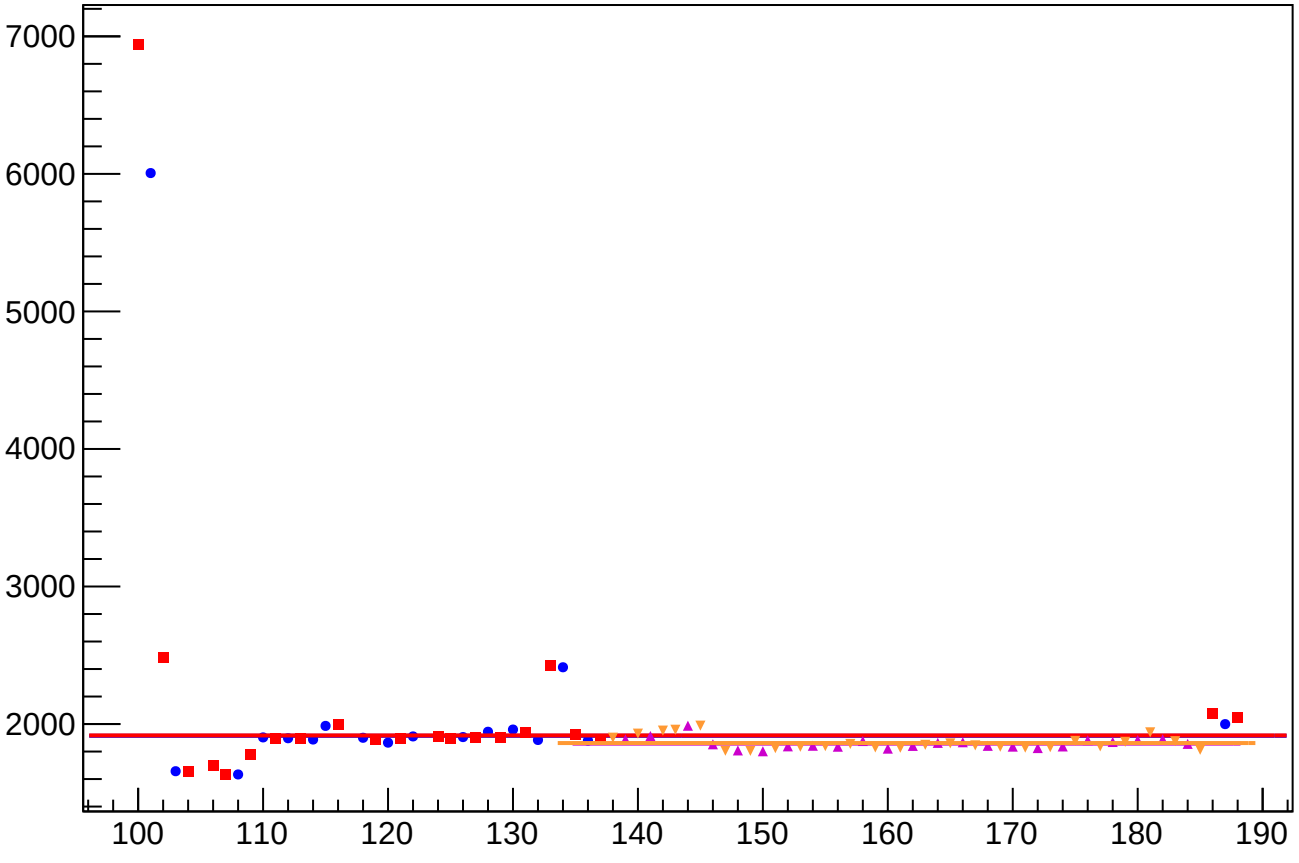
Right: -472.649+/-485.223 χ^2/NDF: 32.8/37

In: -697.975+/-371.511 χ^2/NDF:38.9/39

Out: 574.676+/-355.744 χ^2/NDF:42.7/45

All: -34.070+/-256.942 χ^2/NDF: 87.8/85

eigen_dit_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1914.506+/-0.509 χ^2/NDF: 696918.7/16

Left Out: 1861.731+/-0.299 χ^2/NDF:26014.9/24

Right Out: 1917.234+/-0.464 χ^2/NDF: 234273.0/20

Left In: 1857.661+/-0.307 χ^2/NDF:16380.9/22

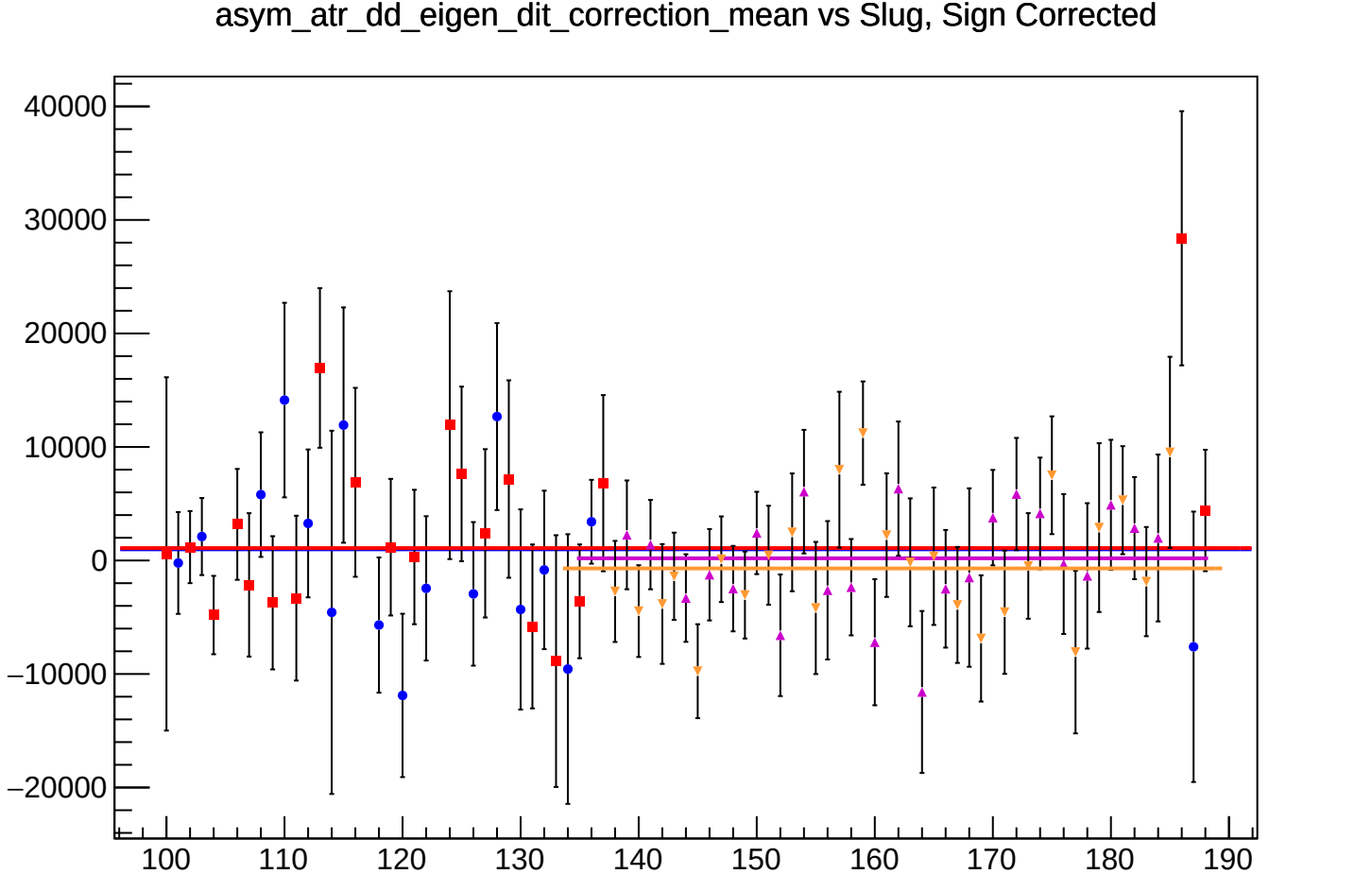
Left: 1859.748+/-0.214 χ^2/NDF: 42486.0/47

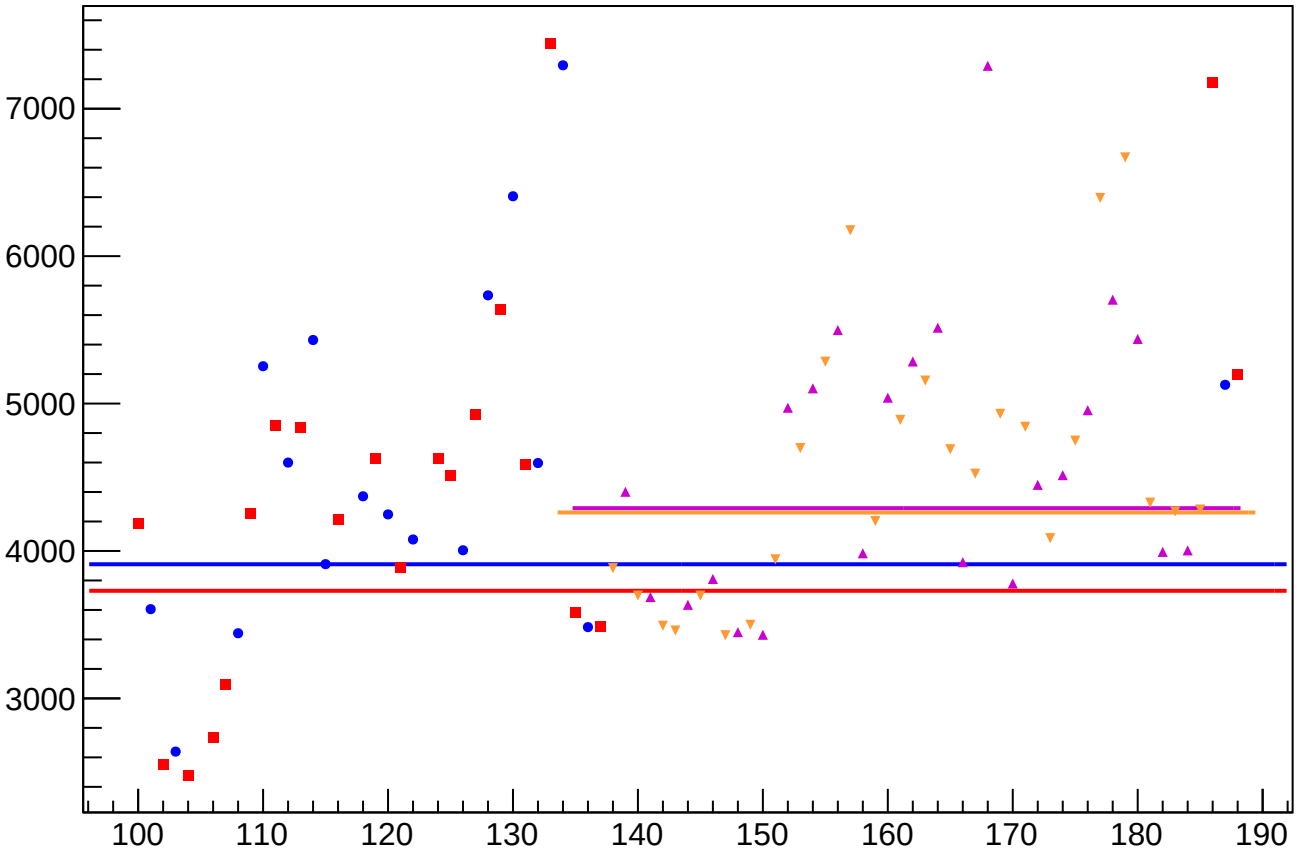
Right: 1915.994+/-0.343 χ^2/NDF: 931207.4/37

In: 1872.825+/-0.263 χ^2/NDF:722458.2/39

Out: 1878.011+/-0.251 χ^2/NDF:270384.5/45

All: 1875.531+/-0.182 χ^2/NDF: 993046.0/85


asym_atr_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
170
180
190
Right In: 984.345+/-1485.967 χ²/NDF: 14.0/16
Left Out: -698.285+/-990.036 χ²/NDF:25.3/24
Right Out: 1091.449+/-1318.623 χ²/NDF: 21.6/20
Left In: 192.488+/-1022.471 χ²/NDF:15.2/22
Left: -267.251+/-711.252 χ²/NDF: 40.9/47
Right: 1044.265+/-986.288 χ²/NDF: 35.5/37
In: 446.932+/-842.329 χ²/NDF:29.3/39
Out: -53.090+/-791.721 χ²/NDF:48.1/45
All: 181.450+/-576.893 χ²/NDF: 77.6/85



Right In: 3909.953+/-1.051 χ^2/NDF: 899631.3/16

Left Out: 4261.131+/-0.700 χ^2/NDF:1190564.2/24

Right Out: 3730.014+/-0.932 χ^2/NDF: 1585659.8/20

Left In: 4290.404+/-0.723 χ^2/NDF:1213970.5/22

Left: 4275.296+/-0.503 χ^2/NDF: 2405380.8/47

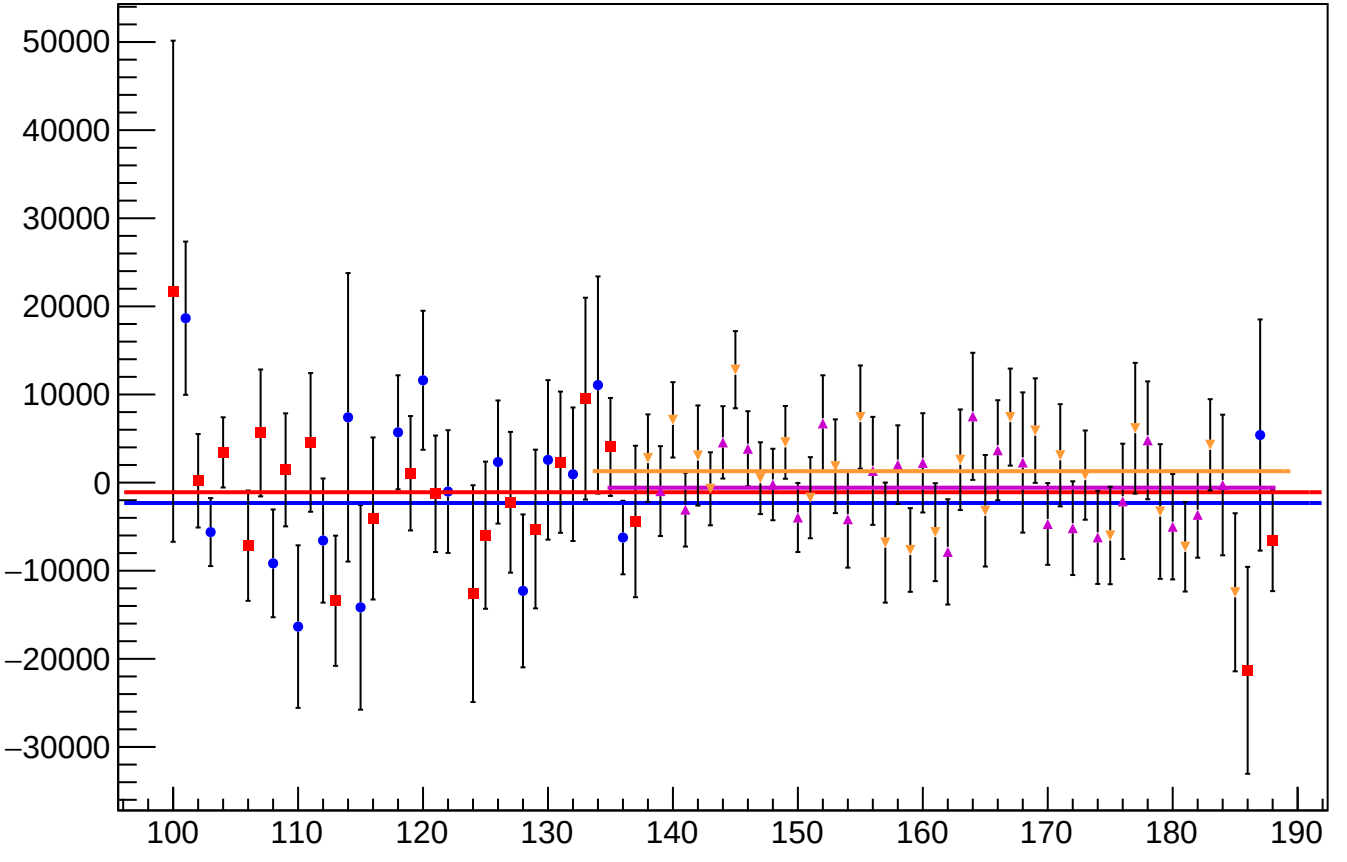
Right: 3809.285+/-0.697 χ^2/NDF: 2501698.2/37

In: 4168.156+/-0.596 χ^2/NDF:2202577.4/39

Out: 4069.664+/-0.560 χ^2/NDF:2983720.6/45

All: 4115.863+/-0.408 χ^2/NDF: 5200816.1/85

asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -2315.725+/-1705.107 χ^2/NDF: 21.2/16

Left Out: 1298.373+/-1049.555 χ^2/NDF:28.5/24

Right Out: -1092.732+/-1547.542 χ^2/NDF: 14.8/20

Left In: -576.442+/-1082.127 χ^2/NDF:14.4/22

Left: 389.606+/-753.400 χ^2/NDF: 44.4/47

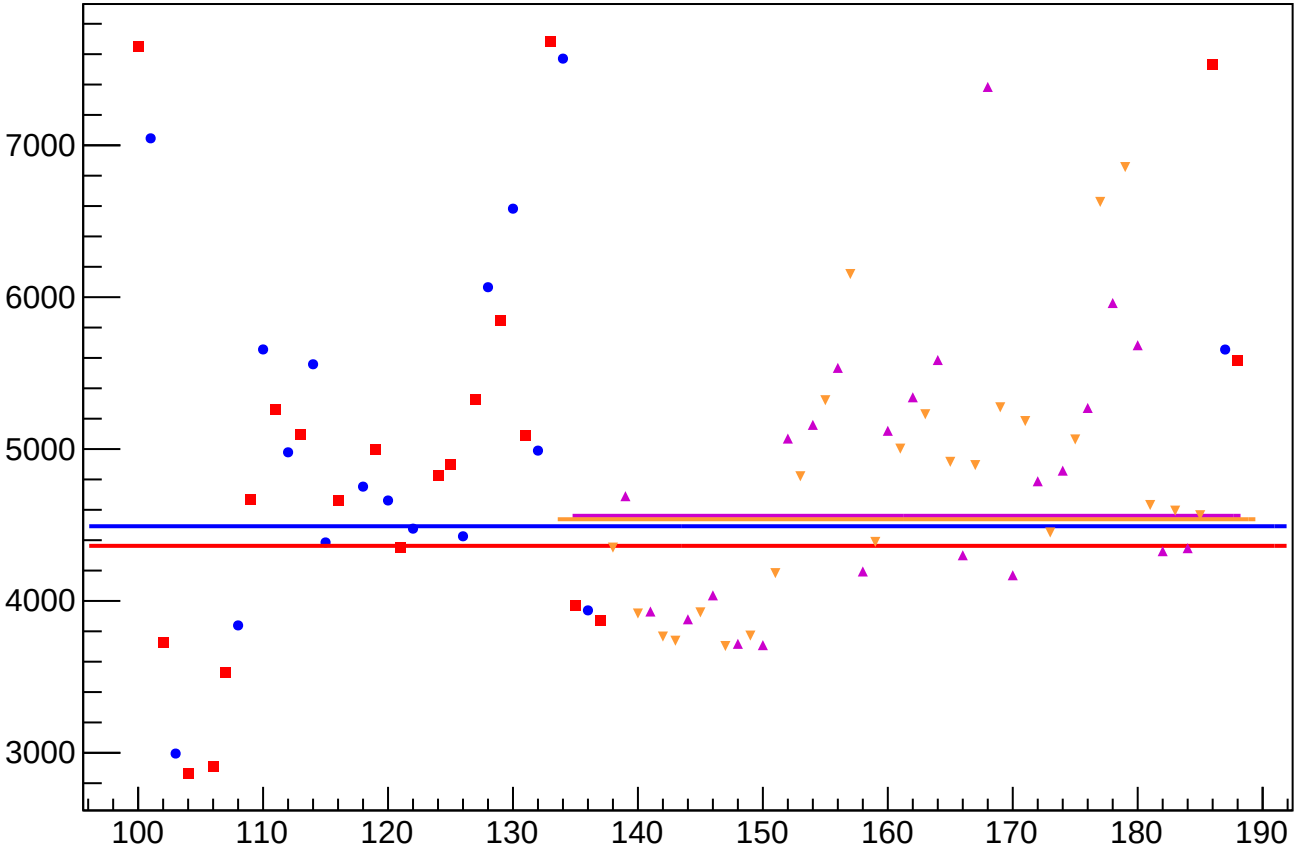
Right: -1645.123+/-1145.943 χ^2/NDF: 36.3/37

In: -1075.830+/-913.662 χ^2/NDF:36.4/39

Out: 545.050+/-868.628 χ^2/NDF:45.0/45

All: -224.461+/-629.532 χ^2/NDF: 83.0/85

asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 4491.894+/-1.206 χ^2/NDF: 907675.6/16

Left Out: 4537.934+/-0.742 χ^2/NDF:992905.4/24

Right Out: 4362.753+/-1.086 χ^2/NDF: 1101599.6/20

Left In: 4560.506+/-0.765 χ^2/NDF:980201.3/22

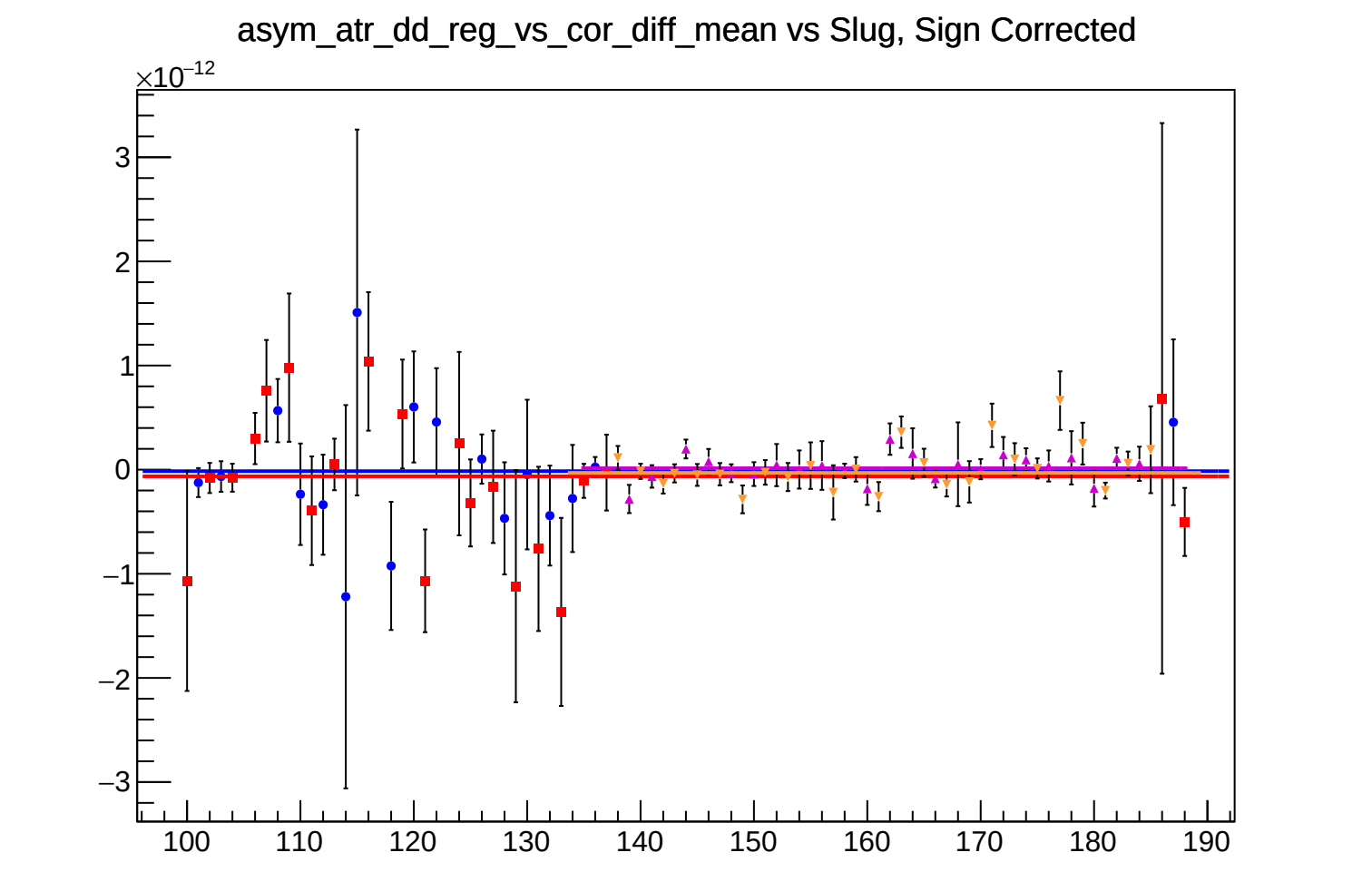
Left: 4548.875+/-0.533 χ^2/NDF: 1973555.1/47

Right: 4420.606+/-0.807 χ^2/NDF: 2015608.3/37

In: 4540.806+/-0.646 χ^2/NDF:1890185.4/39

Out: 4482.178+/-0.613 χ^2/NDF:2112238.9/45

All: 4509.942+/-0.445 χ^2/NDF: 4006759.5/85



Right In: -0.000+/-0.000 χ^2/NDF: 13.1/16

Left Out: -0.000+/-0.000 χ^2/NDF:37.9/24

Right Out: -0.000+/-0.000 χ^2/NDF: 23.2/20

Left In: 0.000+/-0.000 χ^2/NDF:20.6/22

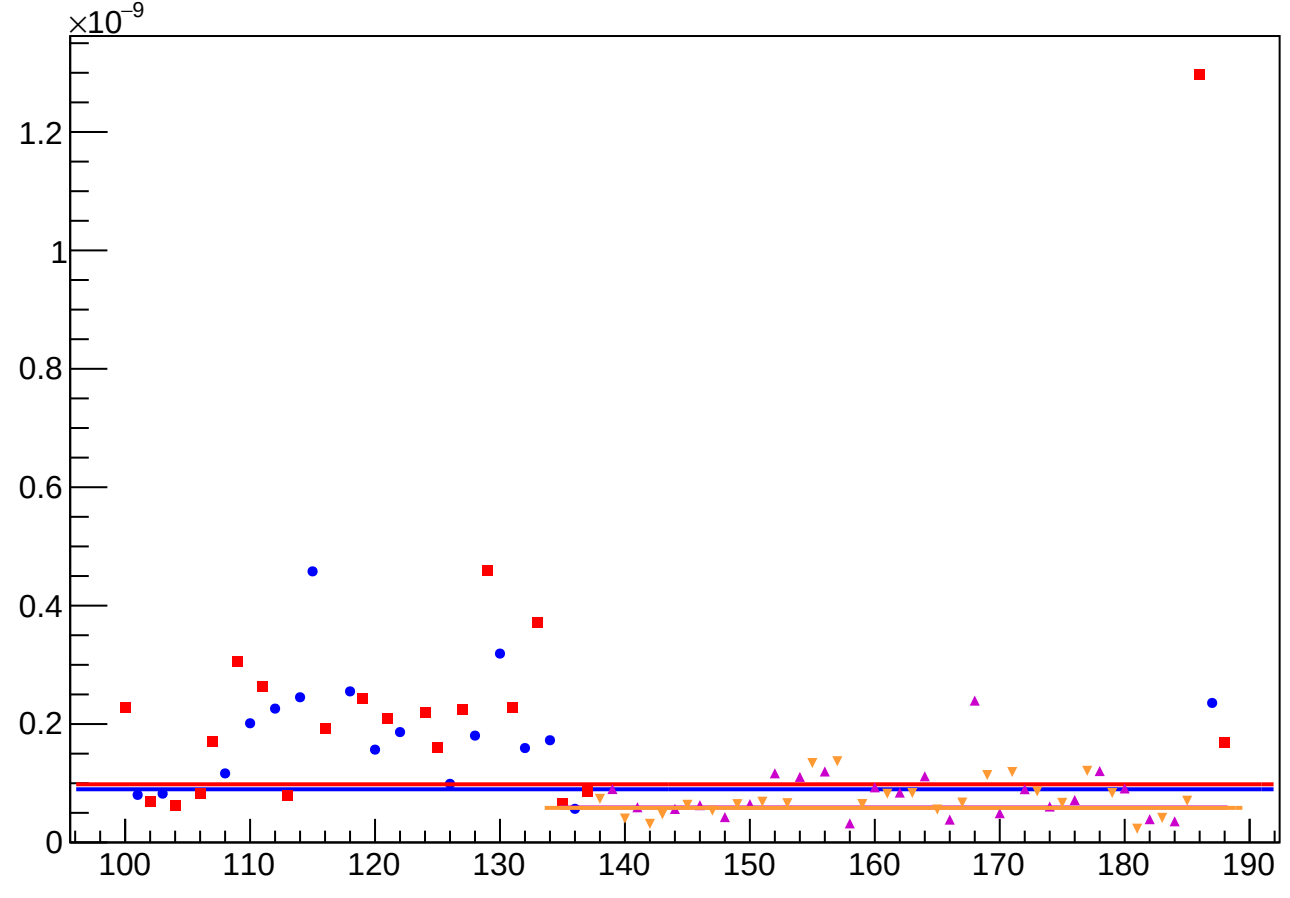
Left: -0.000+/-0.000 χ^2/NDF: 60.1/47

Right: -0.000+/-0.000 χ^2/NDF: 36.6/37

In: 0.000+/-0.000 χ^2/NDF:33.9/39

Out: -0.000+/-0.000 χ^2/NDF:61.3/45

All: -0.000+/-0.000 χ^2/NDF: 97.0/85



Right In: 0.000+/-0.000 χ^2/NDF: 1297753.7/16

Left Out: 0.000+/-0.000 χ^2/NDF:1934390.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2206850.3/20

Left In: 0.000+/-0.000 χ^2/NDF:2104577.2/22

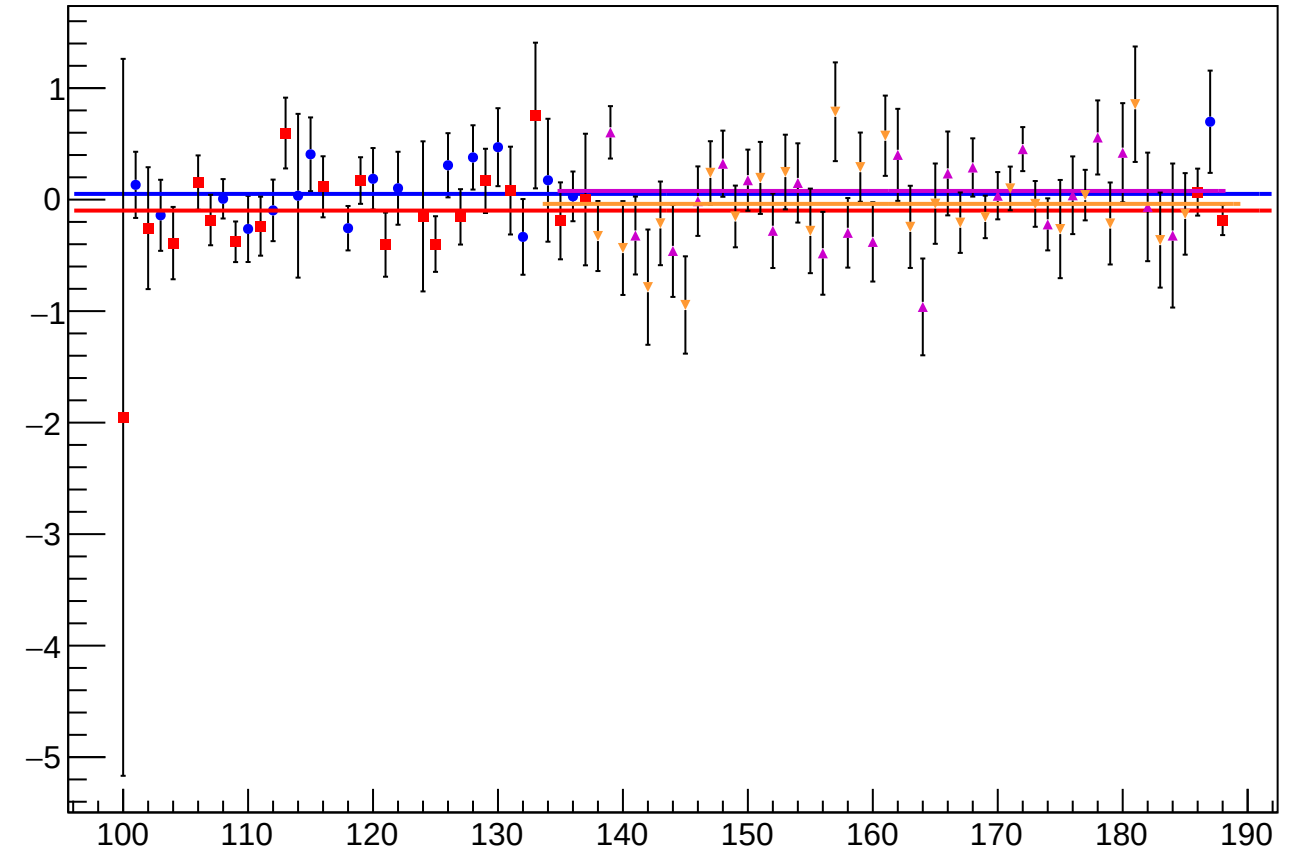
Left: 0.000+/-0.000 χ^2/NDF: 4039734.3/47

Right: 0.000+/-0.000 χ^2/NDF: 3521903.8/37

In: 0.000+/-0.000 χ^2/NDF:3830224.4/39

Out: 0.000+/-0.000 χ^2/NDF:4771563.4/45

All: 0.000+/-0.000 χ^2/NDF: 8602401.6/85



Right In: 0.051+/-0.070 χ^2/NDF: 12.6/16

Left Out: -0.038+/-0.062 χ^2/NDF:24.4/24

Right Out: -0.098+/-0.058 χ^2/NDF: 18.6/20

Left In: 0.078+/-0.065 χ^2/NDF:31.1/22

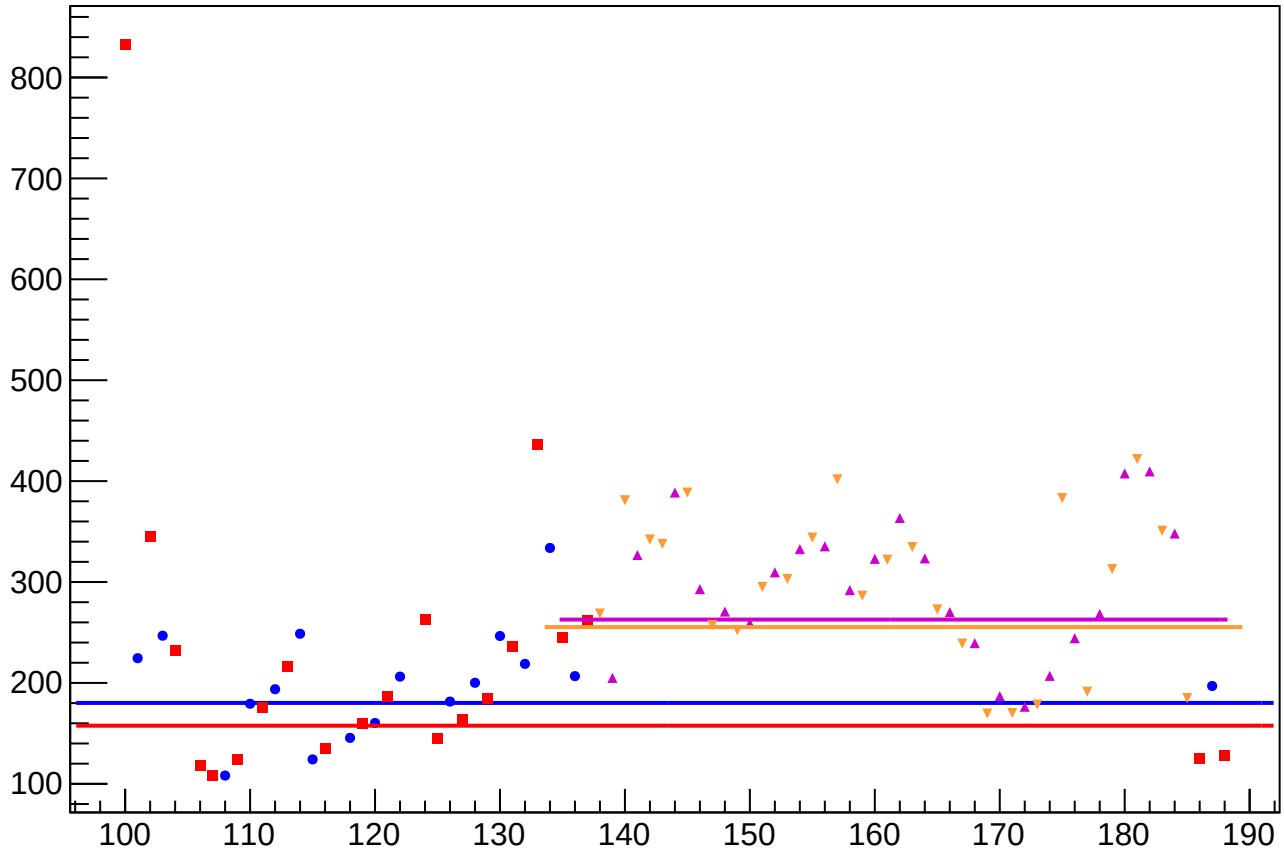
Left: 0.017+/-0.045 χ^2/NDF: 57.2/47

Right: -0.037+/-0.045 χ^2/NDF: 33.9/37

In: 0.065+/-0.048 χ^2/NDF:43.7/39

Out: -0.070+/-0.042 χ^2/NDF:43.6/45

All: -0.010+/-0.032 χ^2/NDF: 91.8/85



Right In: 180.194+/-0.049 χ^2/NDF: 921283.4/16

Left Out: 255.355+/-0.044 χ^2/NDF:2935324.6/24

Right Out: 157.626+/-0.041 χ^2/NDF: 1601794.7/20

Left In: 262.788+/-0.046 χ^2/NDF:2025363.4/22

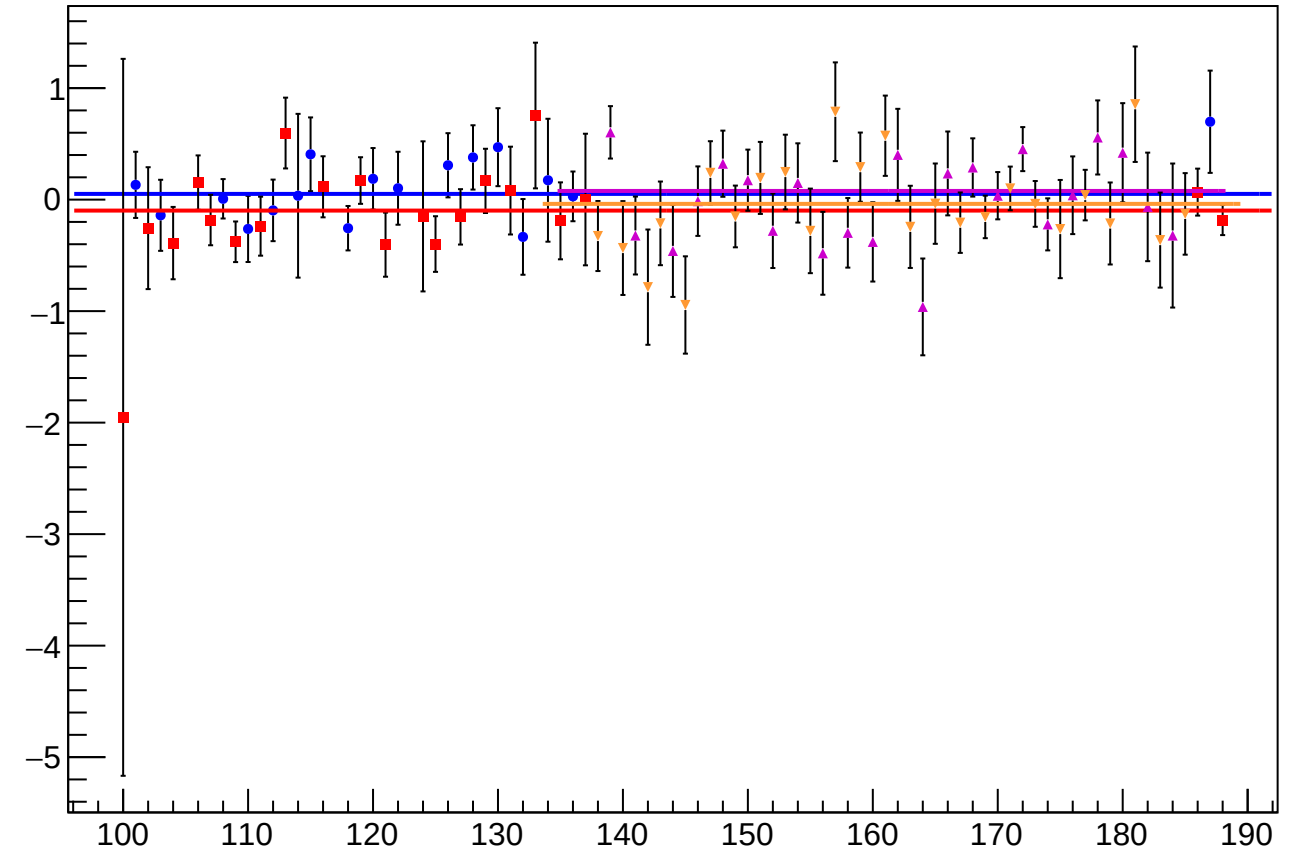
Left: 258.898+/-0.032 χ^2/NDF: 4974421.6/47

Right: 166.879+/-0.032 χ^2/NDF: 2646576.2/37

In: 224.476+/-0.034 χ^2/NDF:4449858.1/39

Out: 203.424+/-0.030 χ^2/NDF:7184298.5/45

All: 212.755+/-0.022 χ^2/NDF: 11852790.6/85



Right In: 0.051+/-0.070 χ^2/NDF: 12.6/16

Left Out: -0.038+/-0.062 χ^2/NDF:24.4/24

Right Out: -0.098+/-0.058 χ^2/NDF: 18.6/20

Left In: 0.078+/-0.065 χ^2/NDF:31.1/22

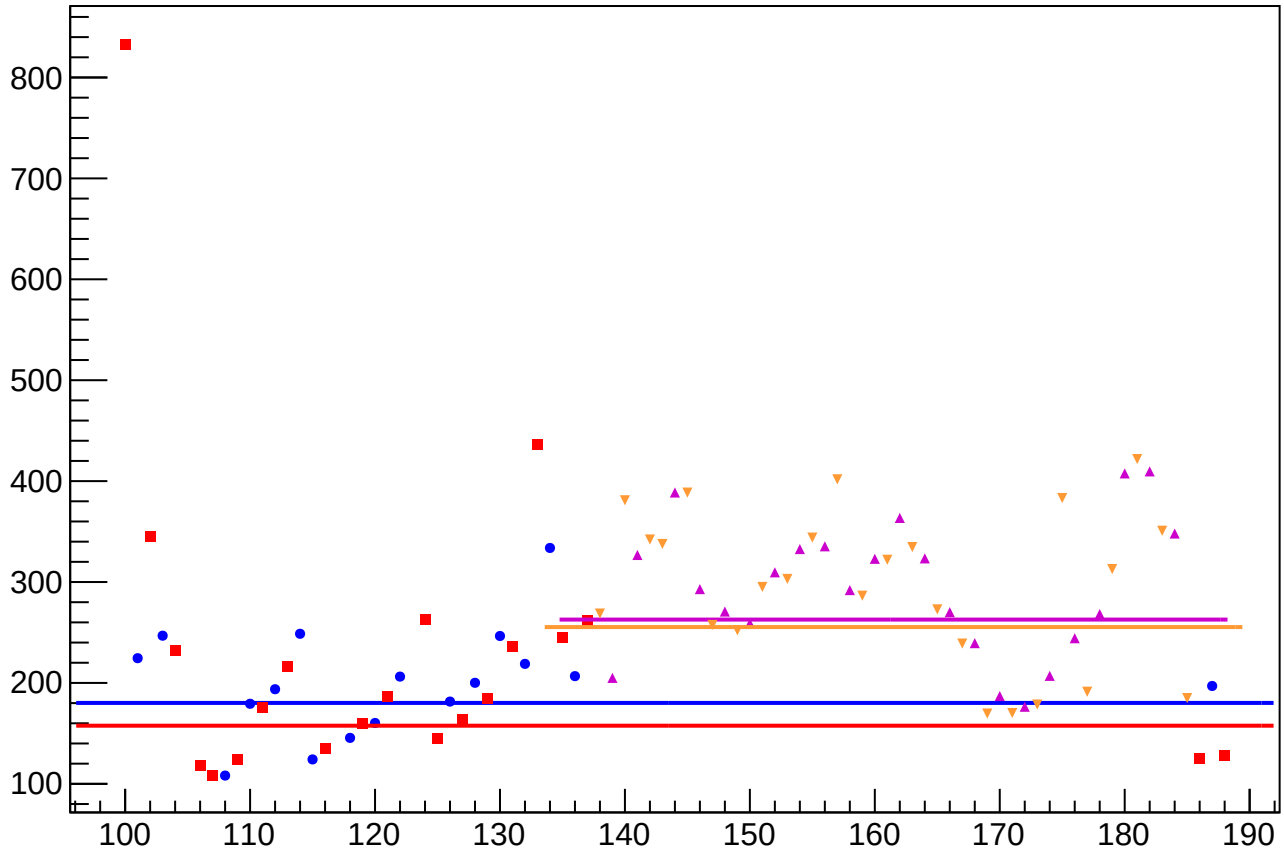
Left: 0.017+/-0.045 χ^2/NDF: 57.2/47

Right: -0.037+/-0.045 χ^2/NDF: 33.9/37

In: 0.065+/-0.048 χ^2/NDF:43.7/39

Out: -0.070+/-0.042 χ^2/NDF:43.6/45

All: -0.010+/-0.032 χ^2/NDF: 91.8/85



Right In: 180.194+/-0.049 χ^2/NDF: 921283.4/16

Left Out: 255.355+/-0.044 χ^2/NDF:2935324.6/24

Right Out: 157.626+/-0.041 χ^2/NDF: 1601794.7/20

Left In: 262.788+/-0.046 χ^2/NDF:2025363.4/22

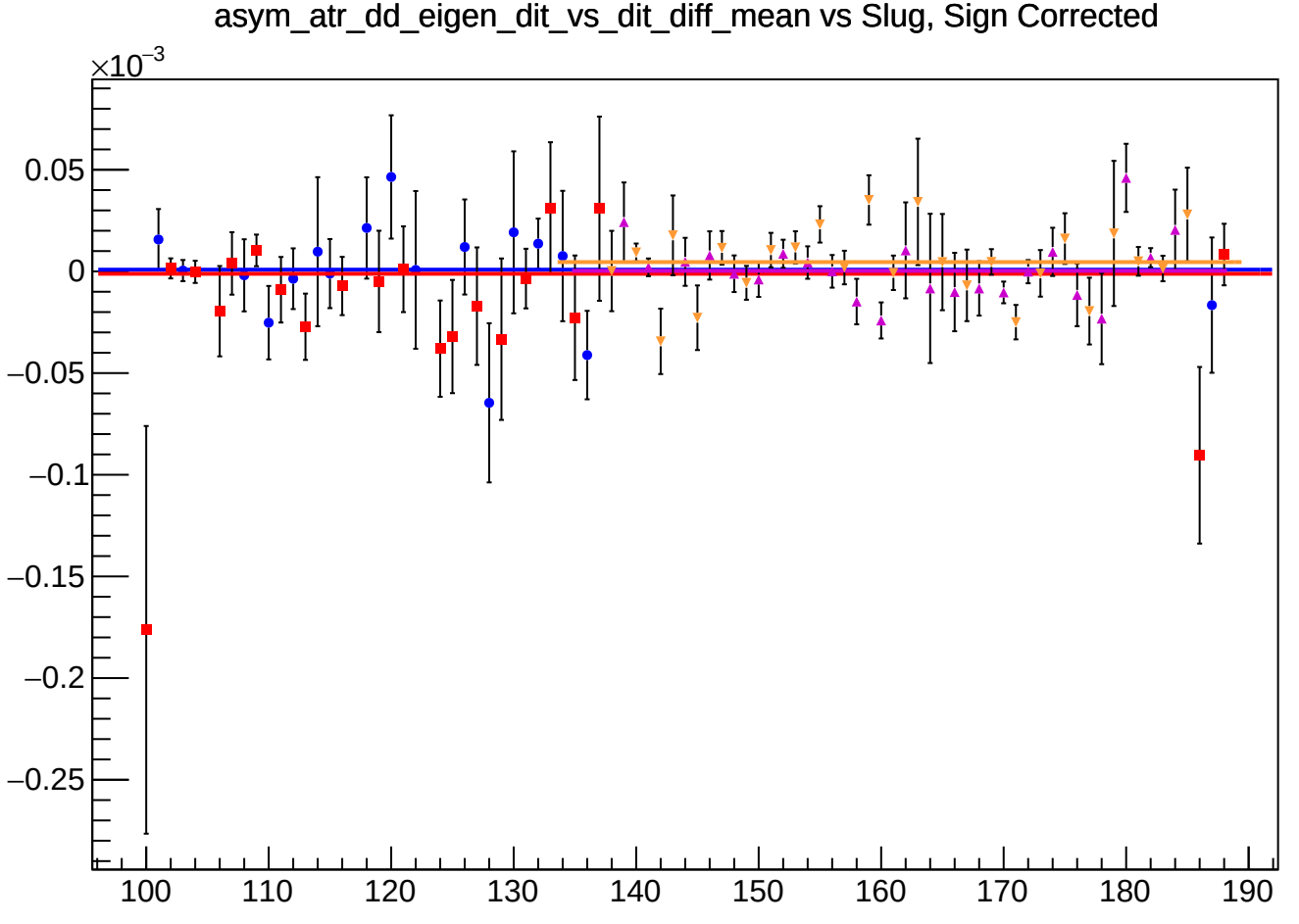
Left: 258.898+/-0.032 χ^2/NDF: 4974421.6/47

Right: 166.879+/-0.032 χ^2/NDF: 2646576.2/37

In: 224.476+/-0.034 χ^2/NDF:4449858.1/39

Out: 203.424+/-0.030 χ^2/NDF:7184298.5/45

All: 212.755+/-0.022 χ^2/NDF: 11852790.6/85



Right In: 0.000+/-0.000 χ^2/NDF: 14.6/16

Left Out: 0.000+/-0.000 χ^2/NDF:43.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 20.6/20

Left In: 0.000+/-0.000 χ^2/NDF:31.2/22

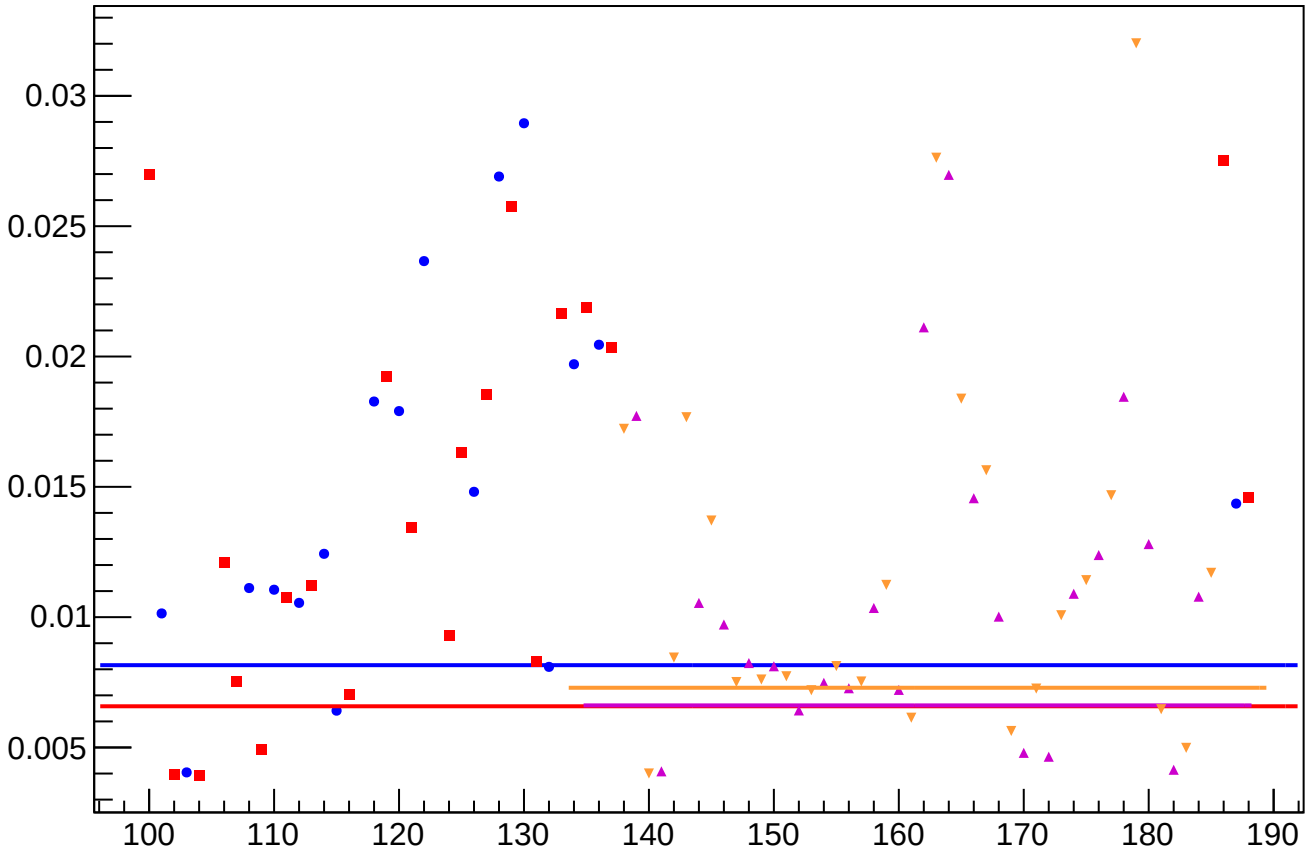
Left: 0.000+/-0.000 χ^2/NDF: 77.4/47

Right: -0.000+/-0.000 χ^2/NDF: 35.4/37

In: 0.000+/-0.000 χ^2/NDF:45.8/39

Out: 0.000+/-0.000 χ^2/NDF:66.9/45

All: 0.000+/-0.000 χ^2/NDF: 113.9/85



Right In: 0.008+/-0.000 χ^2/NDF: 4483758.3/16

Left Out: 0.007+/-0.000 χ^2/NDF:6772003.6/24

Right Out: 0.007+/-0.000 χ^2/NDF: 5620917.0/20

Left In: 0.007+/-0.000 χ^2/NDF:6410135.0/22

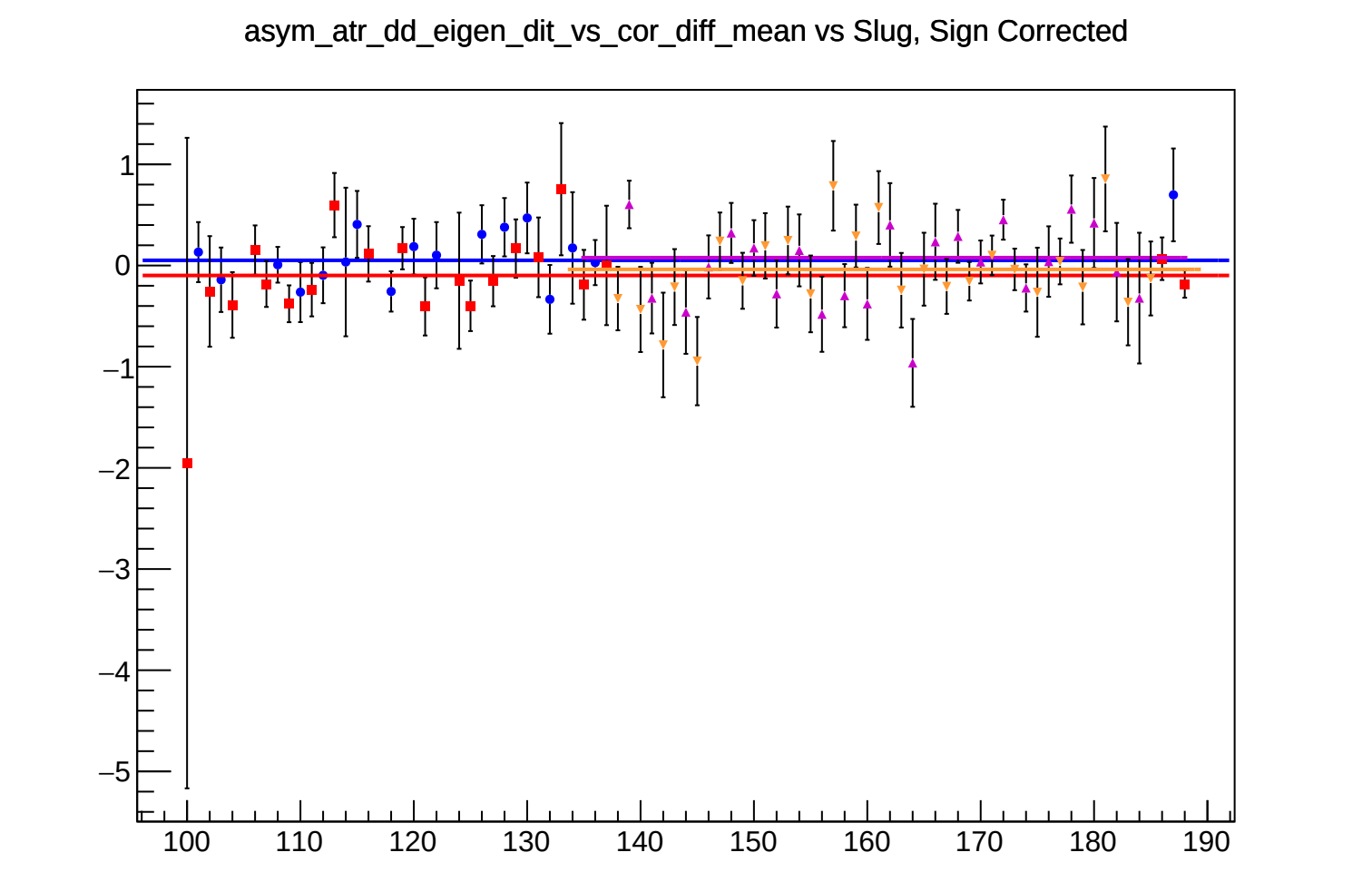
Left: 0.007+/-0.000 χ^2/NDF: 13317745.0/47

Right: 0.007+/-0.000 χ^2/NDF: 10338816.3/37

In: 0.007+/-0.000 χ^2/NDF:11176679.3/39

Out: 0.007+/-0.000 χ^2/NDF:12483450.4/45

All: 0.007+/-0.000 χ^2/NDF: 23669877.4/85



Right In: 0.051+/-0.070 χ^2/NDF: 12.6/16

Left Out: -0.038+/-0.062 χ^2/NDF:24.4/24

Right Out: -0.098+/-0.058 χ^2/NDF: 18.6/20

Left In: 0.078+/-0.065 χ^2/NDF:31.1/22

Left: 0.017+/-0.045 χ^2/NDF: 57.2/47

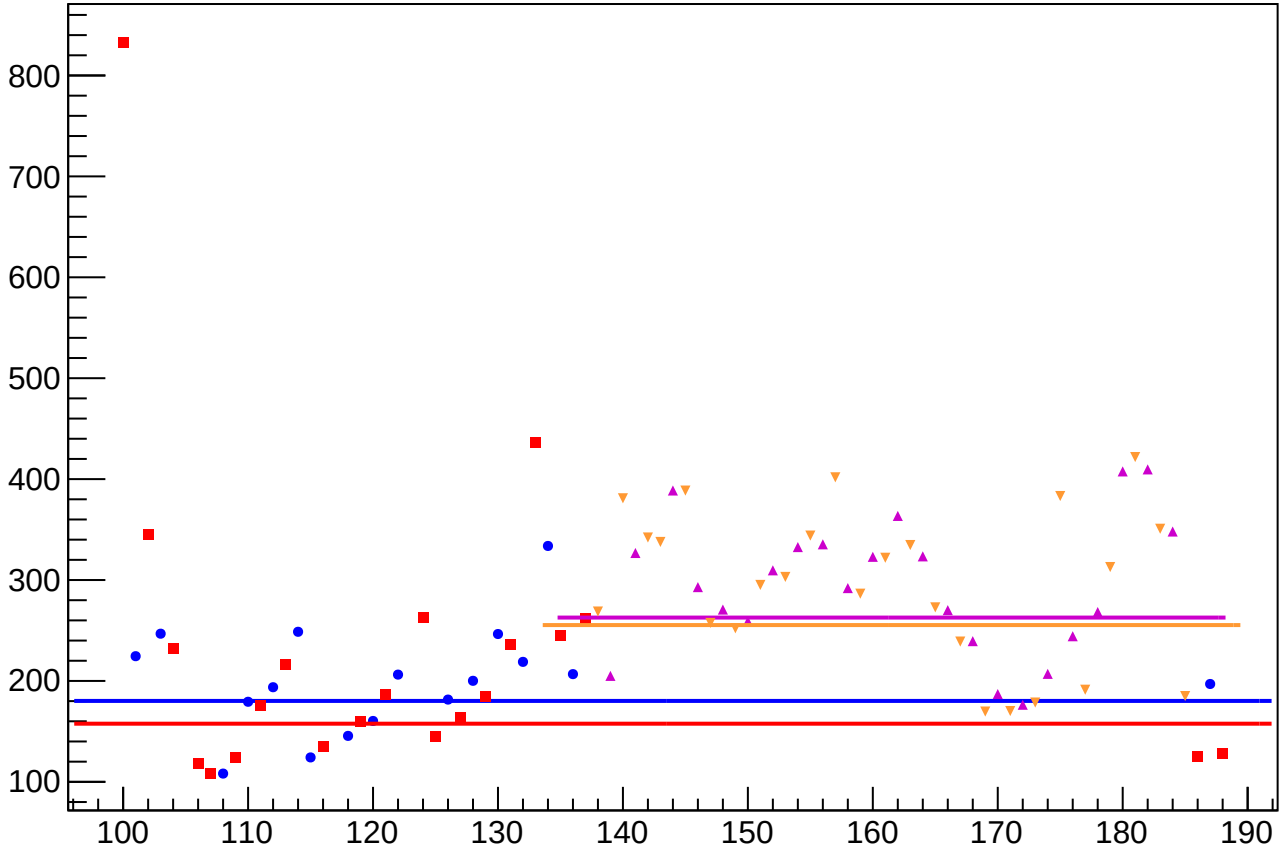
Right: -0.037+/-0.045 χ^2/NDF: 33.9/37

In: 0.065+/-0.048 χ^2/NDF:43.7/39

Out: -0.070+/-0.042 χ^2/NDF:43.6/45

All: -0.010+/-0.032 χ^2/NDF: 91.8/85

asym_atr_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 180.191+/-0.049 χ^2/NDF: 921329.8/16

Left Out: 255.357+/-0.044 χ^2/NDF:2935428.4/24

Right Out: 157.628+/-0.041 χ^2/NDF: 1601753.1/20

Left In: 262.790+/-0.046 χ^2/NDF:2025402.0/22

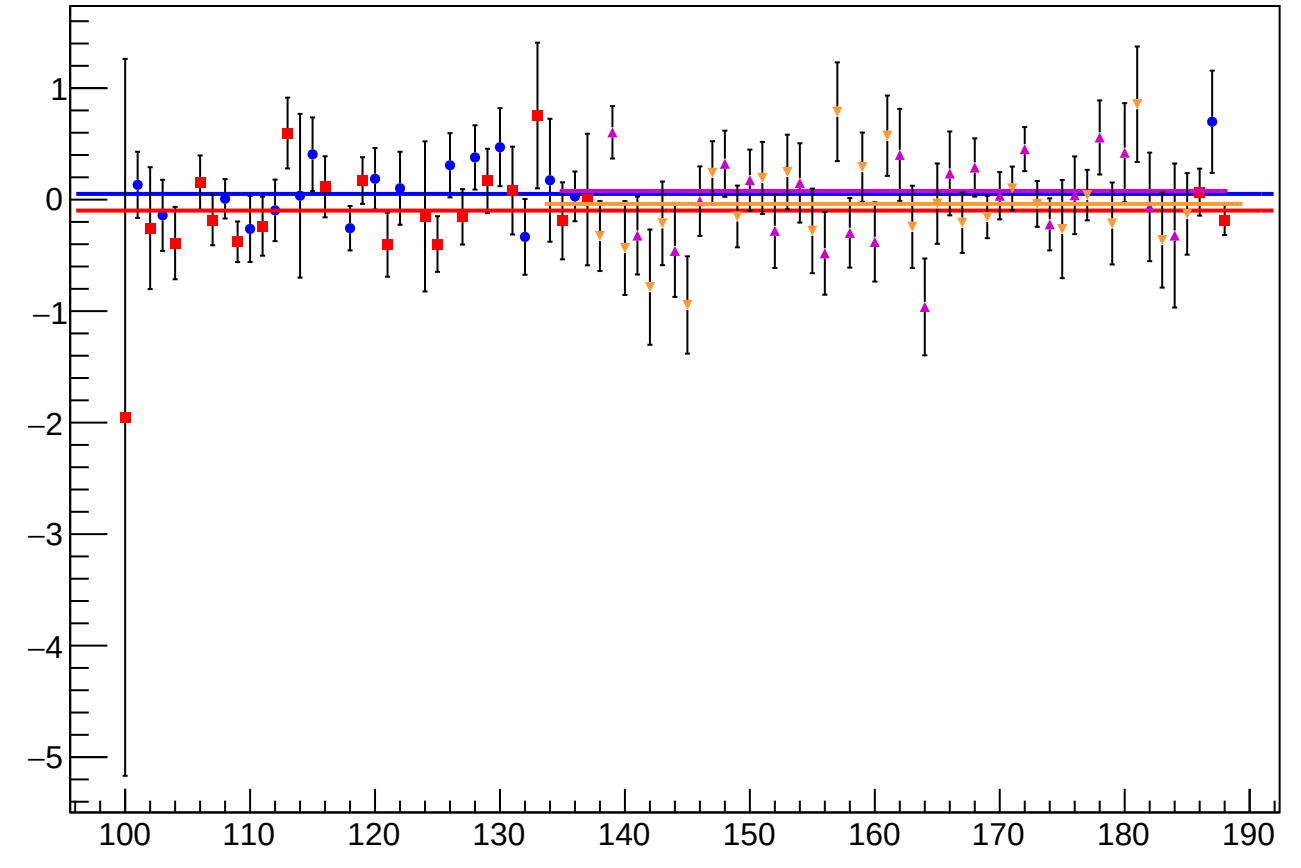
Left: 258.900+/-0.032 χ^2/NDF: 4974565.9/47

Right: 166.879+/-0.032 χ^2/NDF: 2646538.1/37

In: 224.475+/-0.034 χ^2/NDF:4450133.3/39

Out: 203.425+/-0.030 χ^2/NDF:7184341.3/45

All: 212.755+/-0.022 χ^2/NDF: 11853056.2/85



Right In: 0.051+/-0.070 χ^2/NDF: 12.6/16

Left Out: -0.038+/-0.062 χ^2/NDF:24.4/24

Right Out: -0.098+/-0.058 χ^2/NDF: 18.6/20

Left In: 0.078+/-0.065 χ^2/NDF:31.1/22

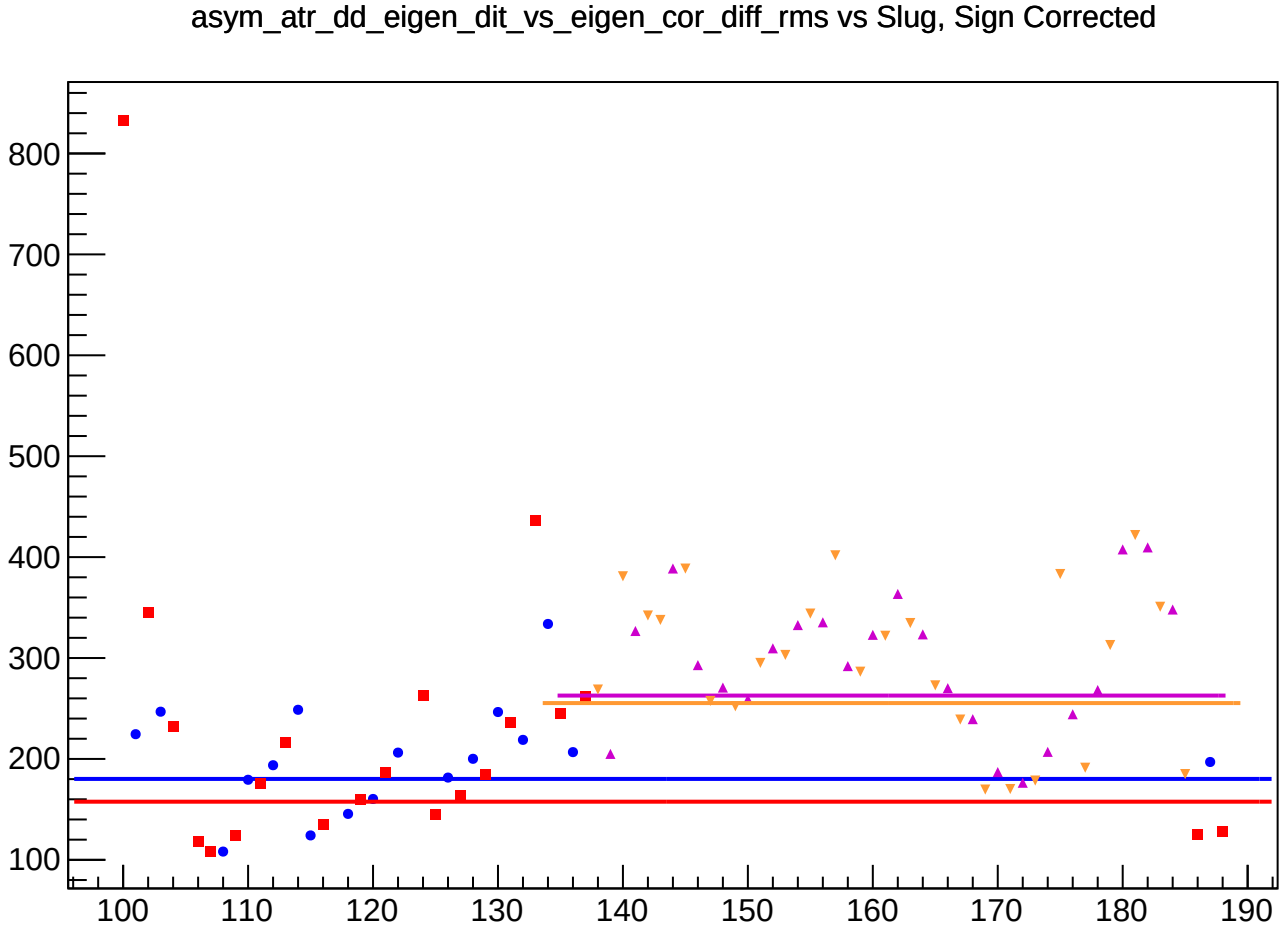
Left: 0.017+/-0.045 χ^2/NDF: 57.2/47

Right: -0.037+/-0.045 χ^2/NDF: 33.9/37

In: 0.065+/-0.048 χ^2/NDF:43.7/39

Out: -0.070+/-0.042 χ^2/NDF:43.6/45

All: -0.010+/-0.032 χ^2/NDF: 91.8/85



Right In: 180.191+/-0.049 χ^2/NDF: 921329.8/16

Left Out: 255.357+/-0.044 χ^2/NDF:2935428.4/24

Right Out: 157.628+/-0.041 χ^2/NDF: 1601753.1/20

Left In: 262.790+/-0.046 χ^2/NDF:2025402.0/22

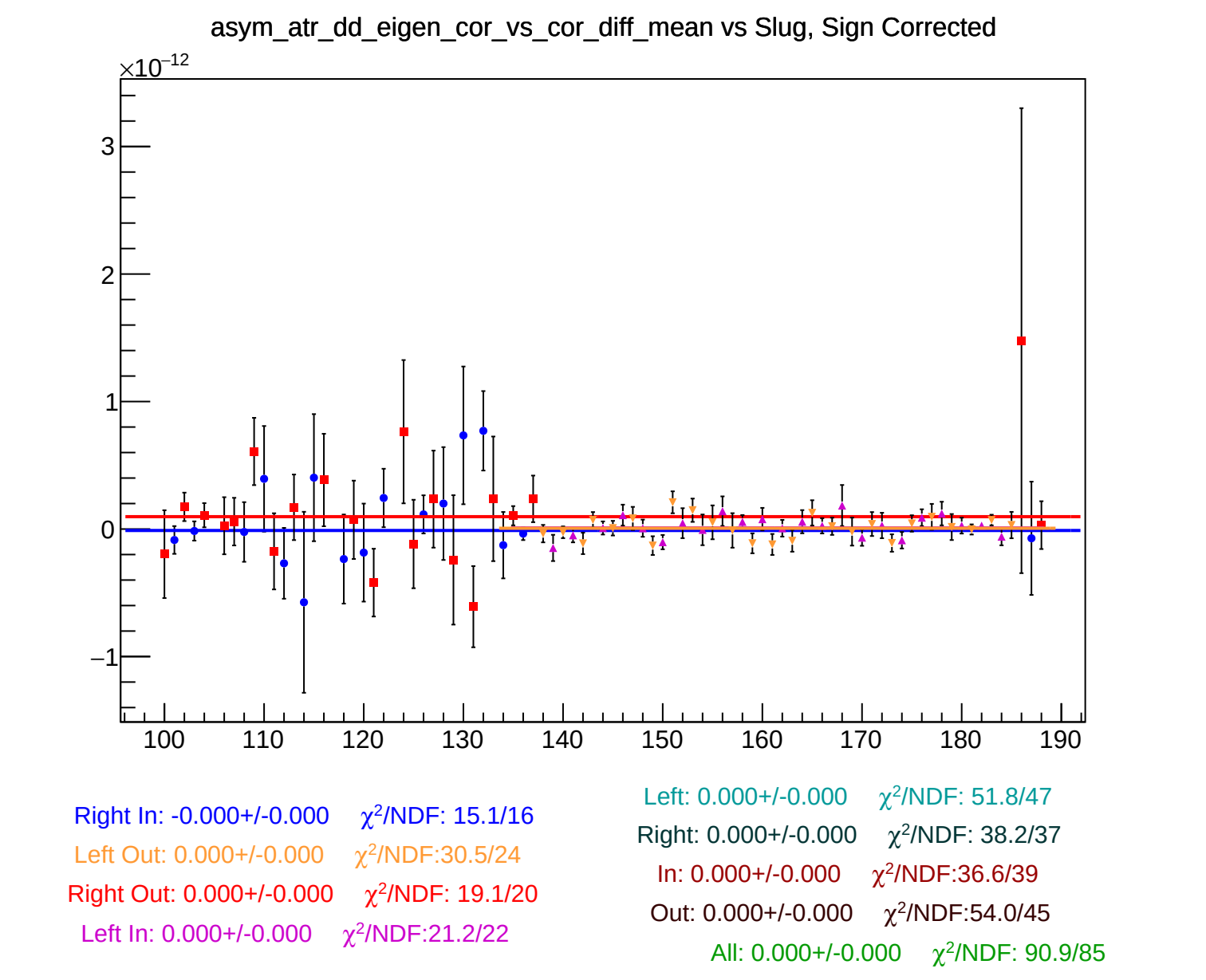
Left: 258.900+/-0.032 χ^2/NDF: 4974565.9/47

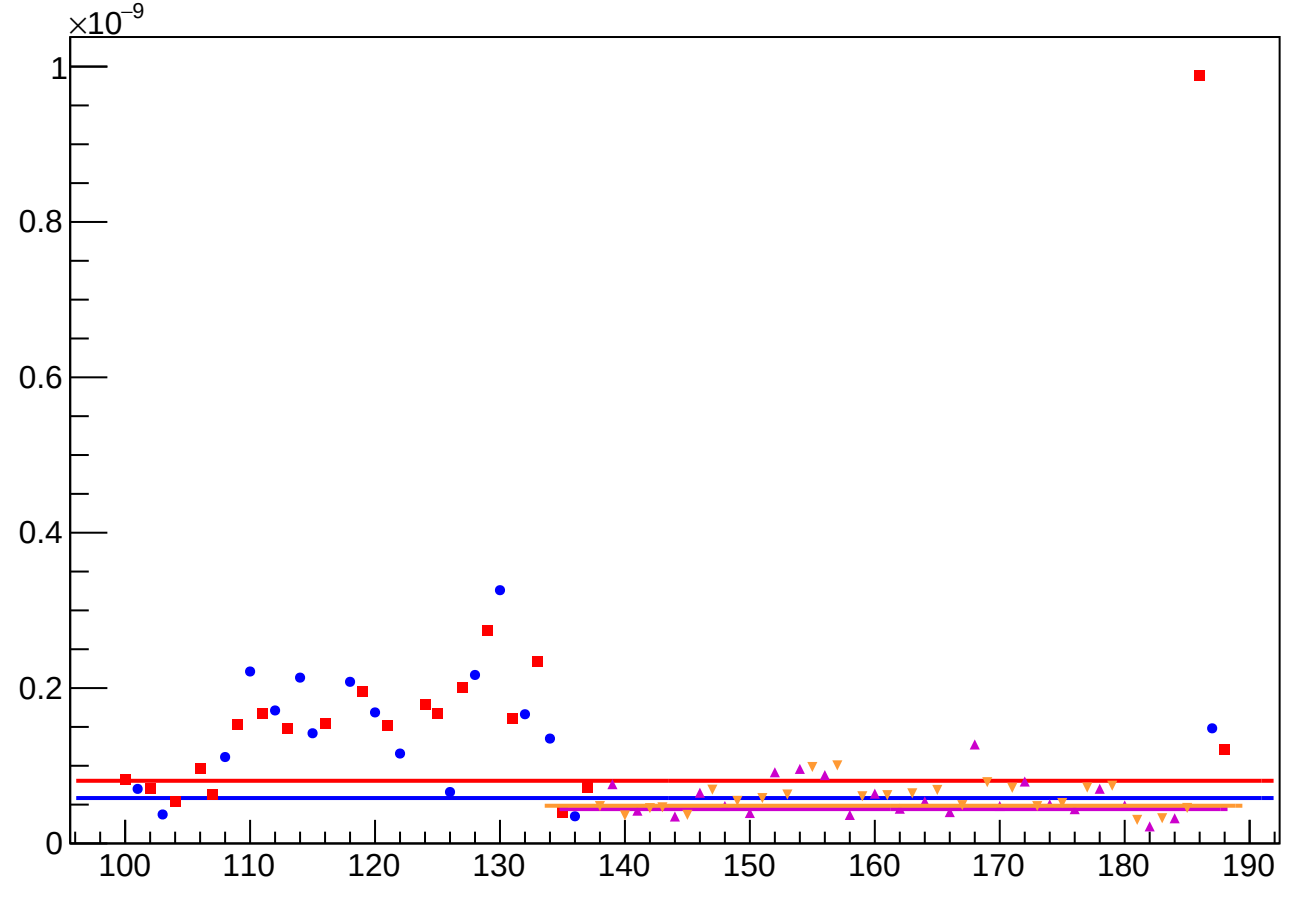
Right: 166.879+/-0.032 χ^2/NDF: 2646538.1/37

In: 224.475+/-0.034 χ^2/NDF:4450133.3/39

Out: 203.425+/-0.030 χ^2/NDF:7184341.3/45

All: 212.755+/-0.022 χ^2/NDF: 11853056.2/85


asym_atr_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
3
2
1
0
−1
100
110
120
130
140
150
160
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 15.1/16
Left Out: 0.000+/-0.000 χ²/NDF:30.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 19.1/20
Left In: 0.000+/-0.000 χ²/NDF:21.2/22
Left: 0.000+/-0.000 χ²/NDF: 51.8/47
Right: 0.000+/-0.000 χ²/NDF: 38.2/37
In: 0.000+/-0.000 χ²/NDF:36.6/39
Out: 0.000+/-0.000 χ²/NDF:54.0/45
All: 0.000+/-0.000 χ²/NDF: 90.9/85



Right In: 0.000+/-0.000 χ^2/NDF: 3405148.7/16

Left Out: 0.000+/-0.000 χ^2/NDF:2493290.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3327928.7/20

Left In: 0.000+/-0.000 χ^2/NDF:3624474.0/22

Left: 0.000+/-0.000 χ^2/NDF: 6214196.4/47

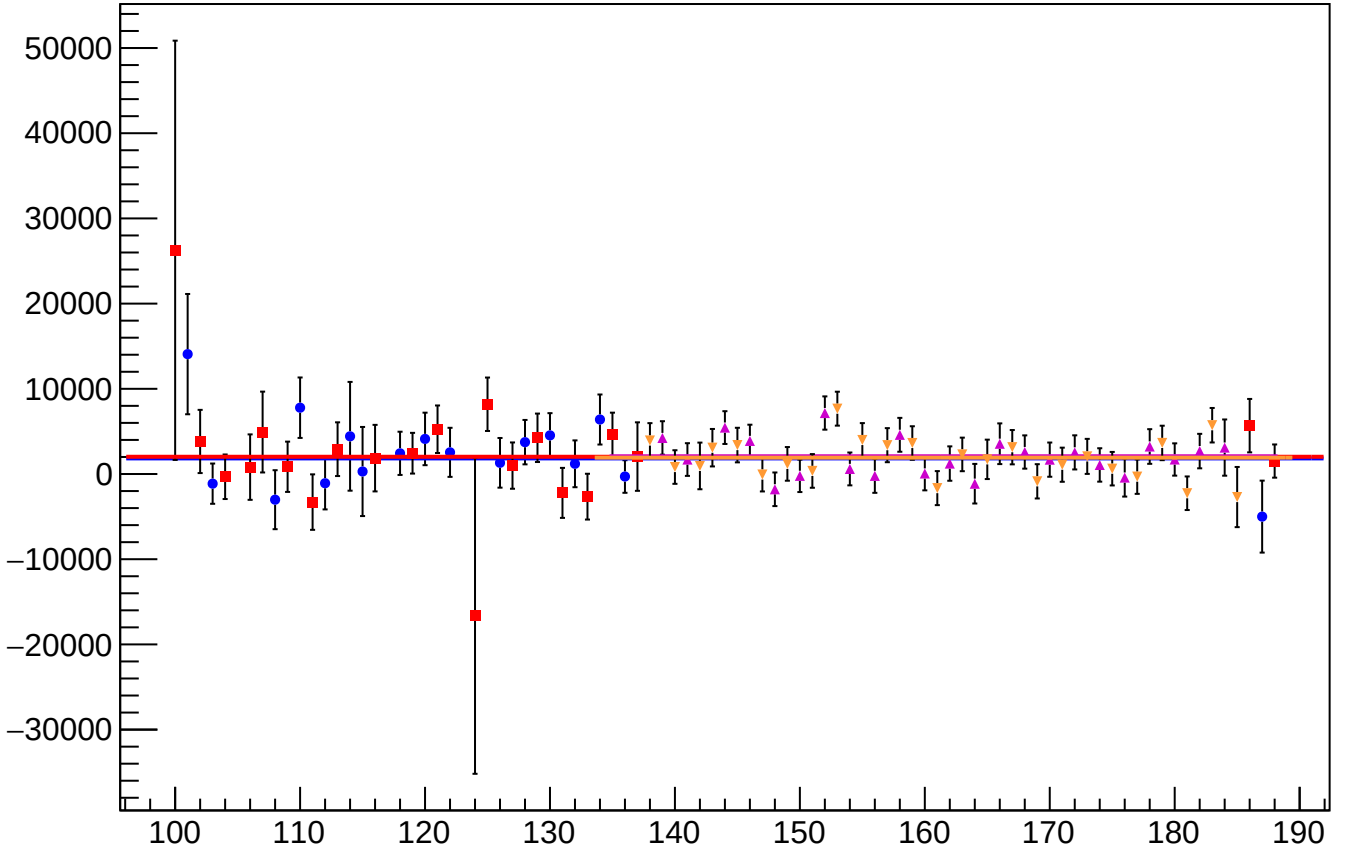
Right: 0.000+/-0.000 χ^2/NDF: 7070859.2/37

In: 0.000+/-0.000 χ^2/NDF:7314154.5/39

Out: 0.000+/-0.000 χ^2/NDF:6913652.2/45

All: 0.000+/-0.000 χ^2/NDF: 14427329.5/85

reg_asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 1831.575+/-725.273 χ^2/NDF: 19.1/16

Left Out: 1920.623+/-412.915 χ^2/NDF:32.5/24

Right Out: 2024.755+/-673.083 χ^2/NDF: 20.0/20

Left In: 2074.205+/-423.203 χ^2/NDF:26.5/22

Left: 1995.525+/-295.545 χ^2/NDF: 59.1/47

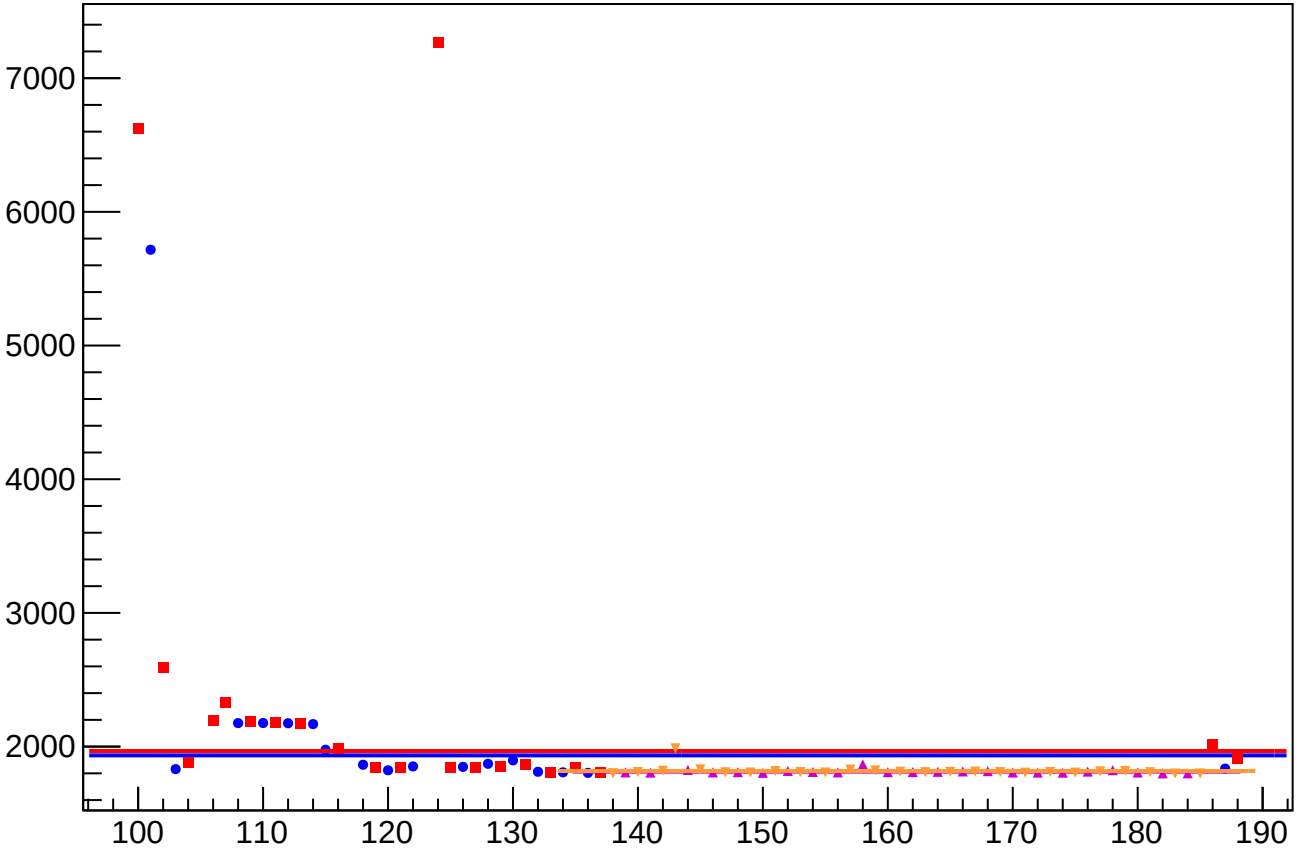
Right: 1935.365+/-493.361 χ^2/NDF: 39.1/37

In: 2012.577+/-365.526 χ^2/NDF:45.8/39

Out: 1949.097+/-351.963 χ^2/NDF:52.5/45

All: 1979.638+/-253.535 χ^2/NDF: 98.3/85

reg_asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 1934.249+/-0.513 χ^2/NDF: 639220.3/16

Left Out: 1817.524+/-0.292 χ^2/NDF:12955.2/24

Right Out: 1967.149+/-0.476 χ^2/NDF: 379950.4/20

Left In: 1812.545+/-0.299 χ^2/NDF:2013.0/22

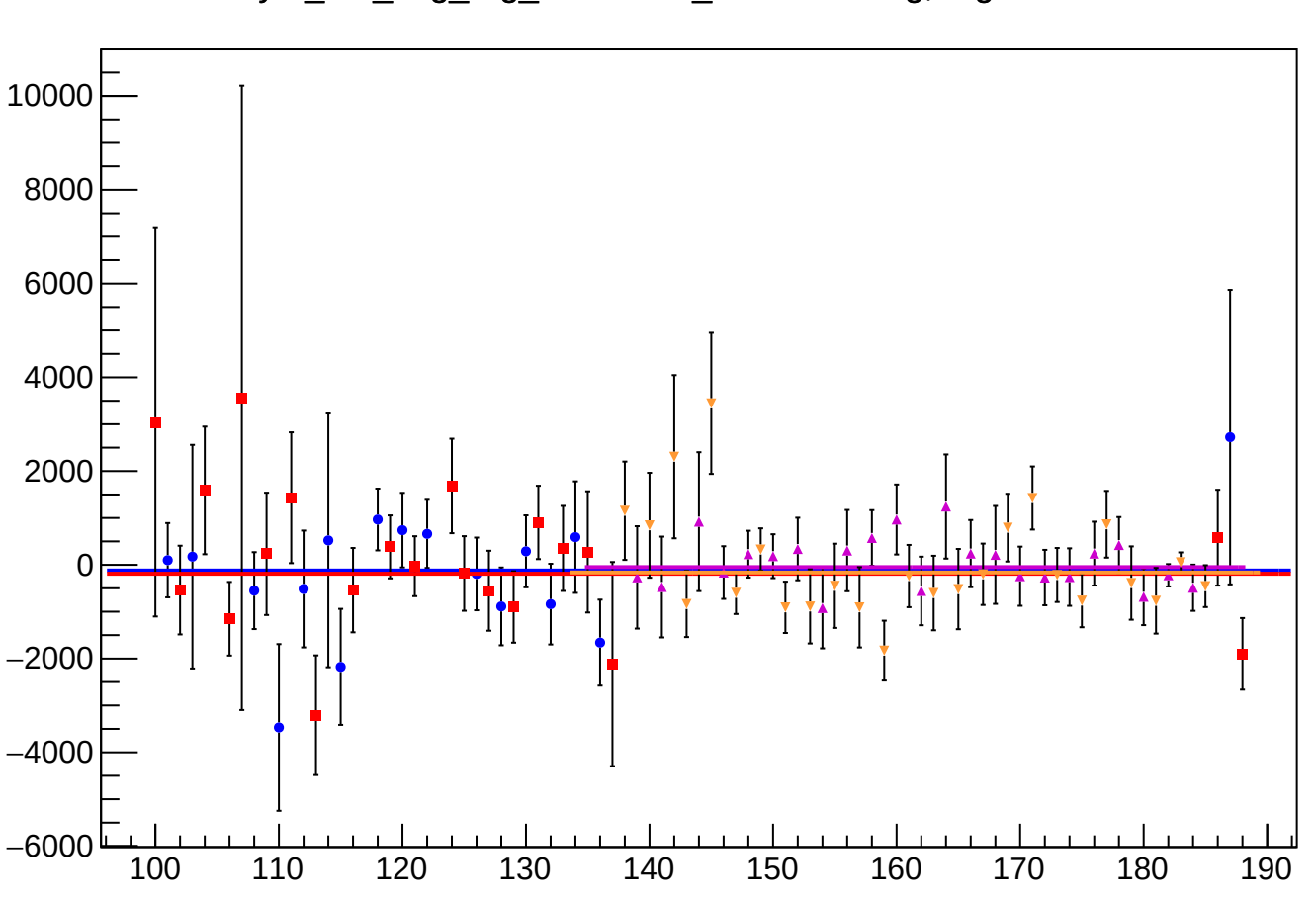
Left: 1815.096+/-0.209 χ^2/NDF: 15110.1/47

Right: 1951.925+/-0.349 χ^2/NDF: 1021381.9/37

In: 1843.458+/-0.258 χ^2/NDF:683245.5/39

Out: 1858.437+/-0.249 χ^2/NDF:464714.3/45

All: 1851.231+/-0.179 χ^2/NDF: 1149702.7/85



Right In: -121.339+/-229.813 χ^2/NDF: 17.7/16

Left Out: -162.996+/-115.295 χ^2/NDF:36.8/24

Right Out: -190.354+/-208.703 χ^2/NDF: 25.6/20

Left In: -49.290+/-122.691 χ^2/NDF:11.3/22

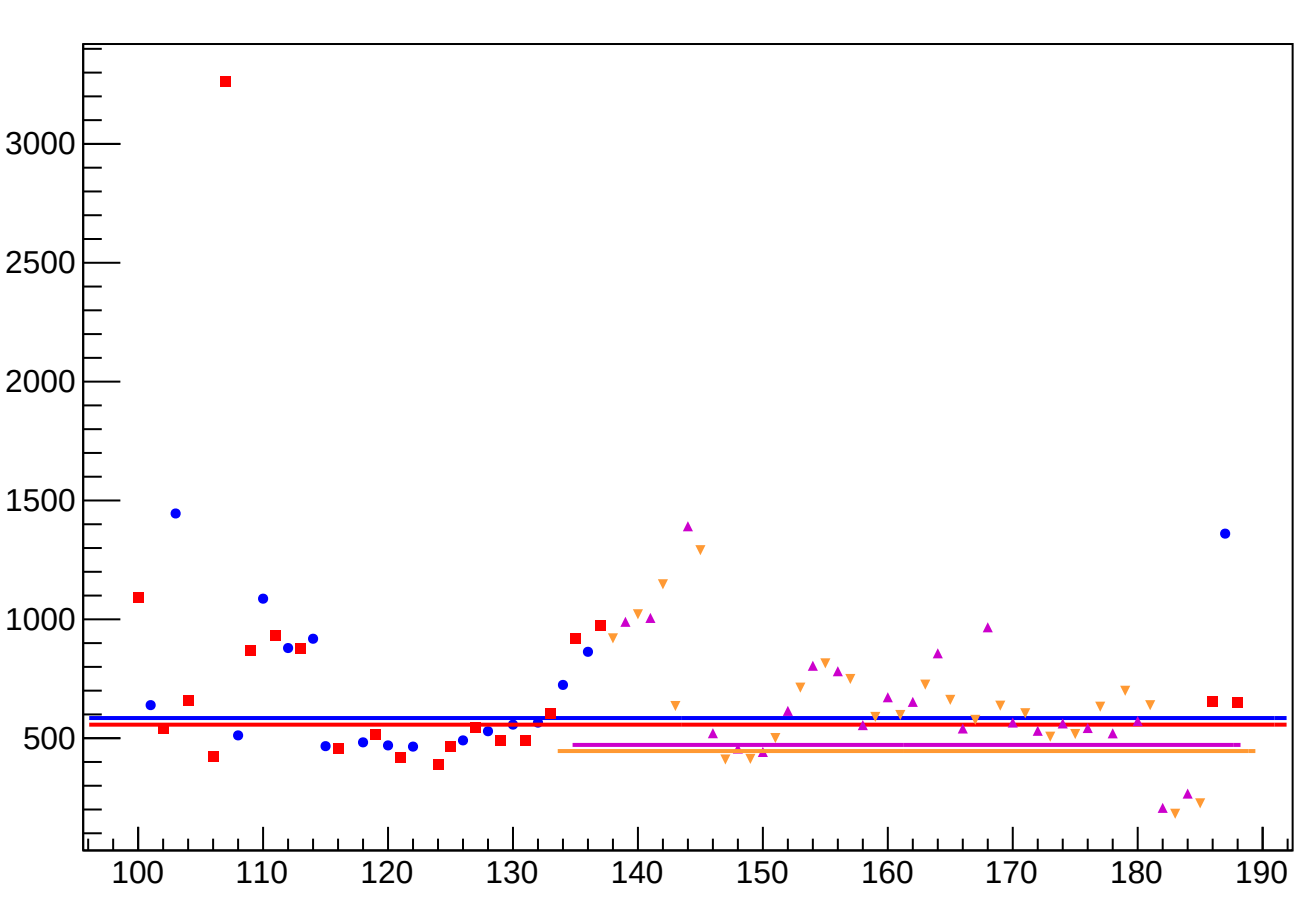
Left: -109.673+/-84.019 χ^2/NDF: 48.6/47

Right: -159.161+/-154.501 χ^2/NDF: 43.3/37

In: -65.270+/-108.233 χ^2/NDF:29.1/39

Out: -169.393+/-100.920 χ^2/NDF:62.4/45

All: -120.968+/-73.811 χ^2/NDF: 92.0/85



Right In: 584.783+/-0.163 χ^2/NDF: 1125988.5/16

Left Out: 445.893+/-0.082 χ^2/NDF:7982455.6/24

Right Out: 556.921+/-0.148 χ^2/NDF: 1341200.3/20

Left In: 471.746+/-0.087 χ^2/NDF:6413905.5/22

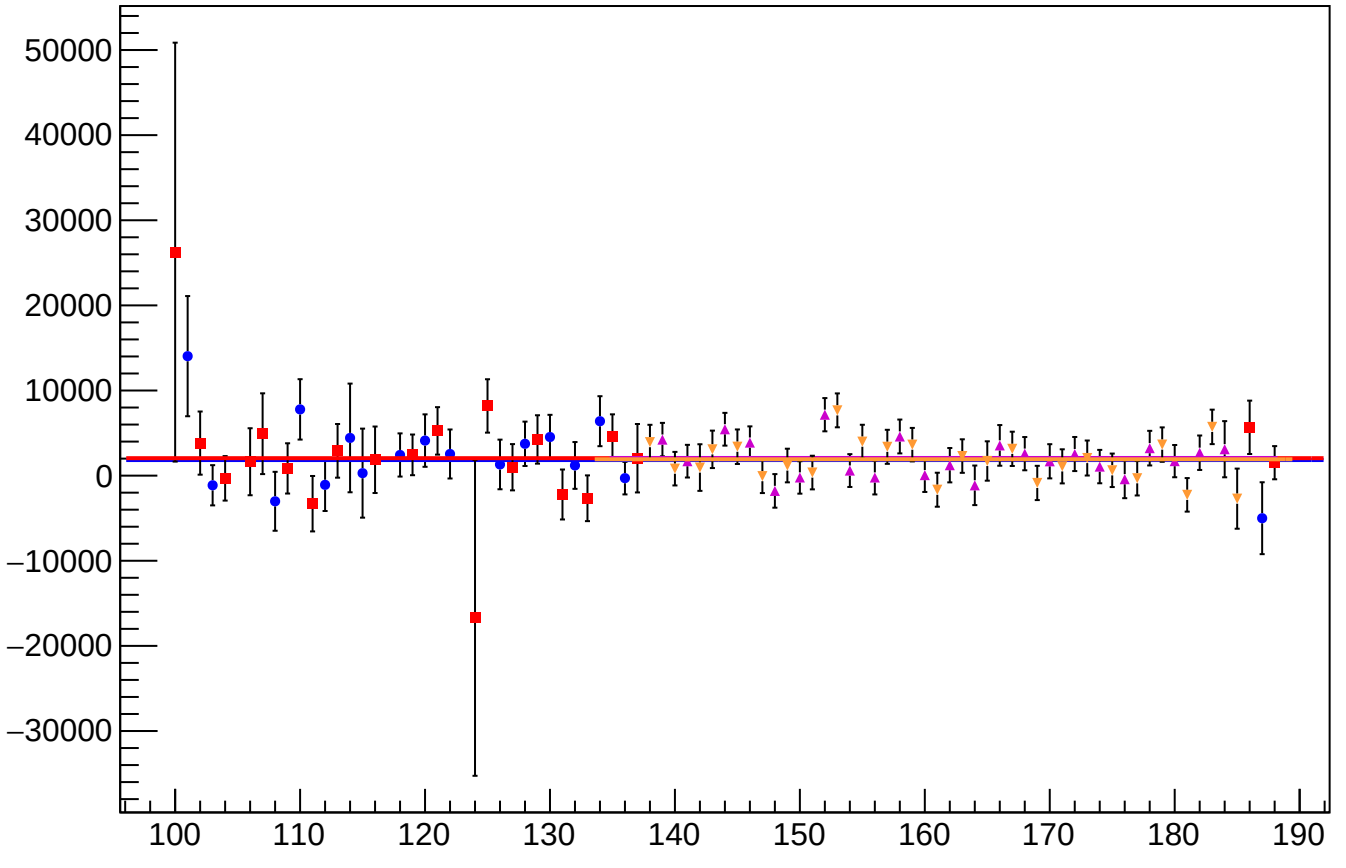
Left: 458.017+/-0.059 χ^2/NDF: 14443518.4/47

Right: 569.514+/-0.109 χ^2/NDF: 2483299.0/37

In: 496.818+/-0.077 χ^2/NDF:7916437.6/39

Out: 471.854+/-0.071 χ^2/NDF:9757335.8/45

All: 483.464+/-0.052 χ^2/NDF: 17730686.1/85



Right In: 1831.222+/-725.274 χ^2/NDF: 19.1/16

Left Out: 1920.588+/-412.915 χ^2/NDF:32.5/24

Right Out: 2050.794+/-673.577 χ^2/NDF: 19.9/20

Left In: 2074.306+/-423.203 χ^2/NDF:26.5/22

Left: 1995.556+/-295.545 χ^2/NDF: 59.1/47

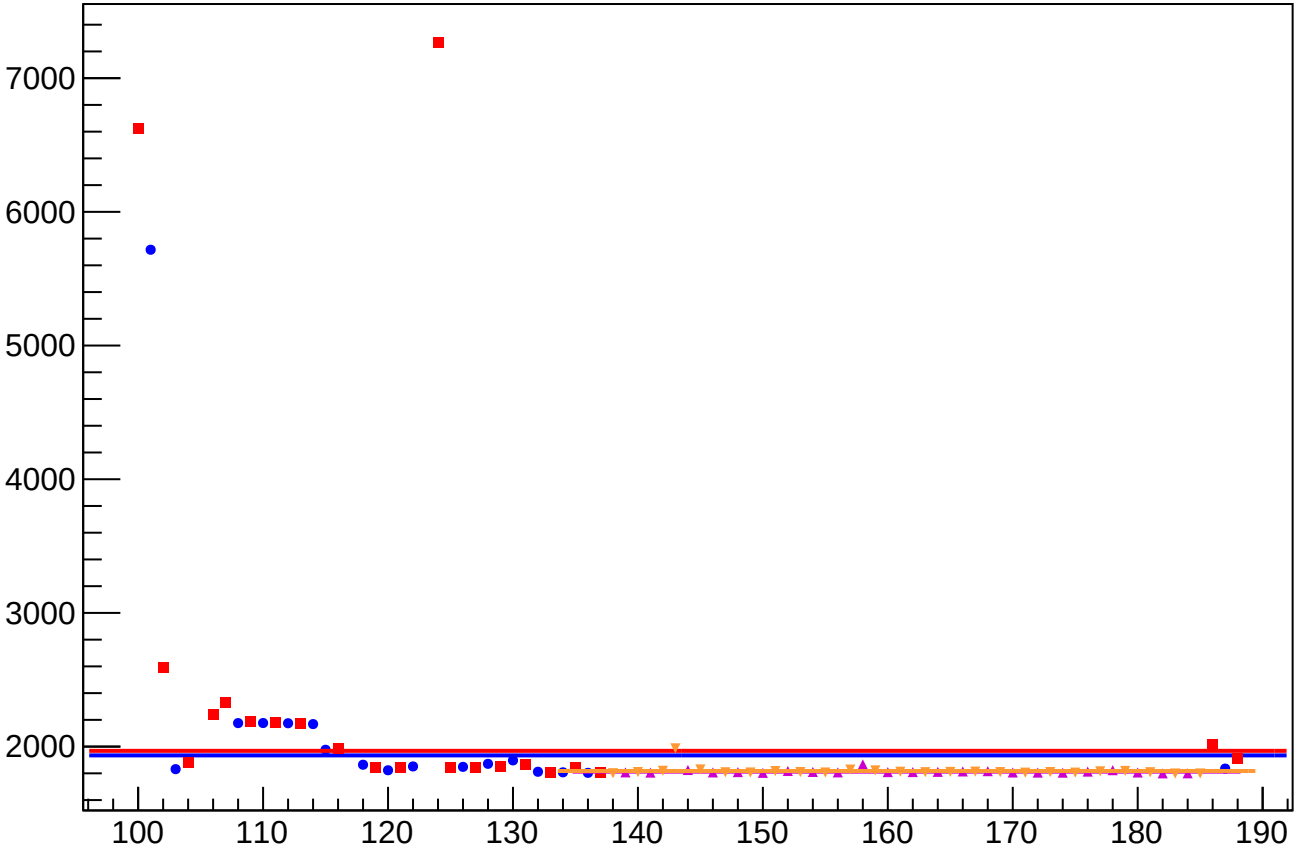
Right: 1949.112+/-493.556 χ^2/NDF: 39.0/37

In: 2012.563+/-365.526 χ^2/NDF:45.7/39

Out: 1956.153+/-352.034 χ^2/NDF:52.4/45

All: 1983.298+/-253.561 χ^2/NDF: 98.2/85

cor_asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 1934.249+/-0.513 χ^2/NDF: 639220.4/16

Left Out: 1817.524+/-0.292 χ^2/NDF:12955.2/24

Right Out: 1968.305+/-0.476 χ^2/NDF: 382902.6/20

Left In: 1812.545+/-0.299 χ^2/NDF:2013.0/22

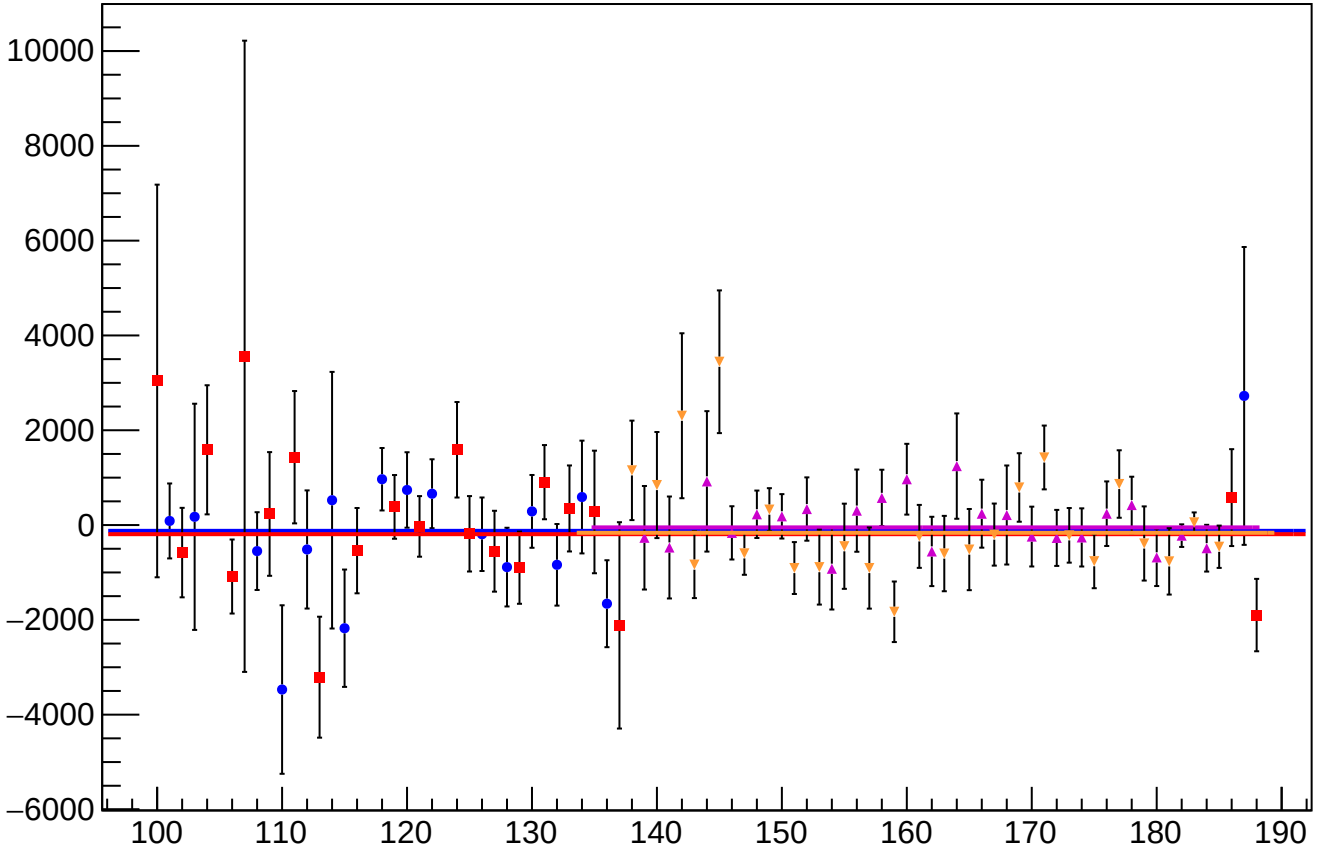
Left: 1815.096+/-0.209 χ^2/NDF: 15110.1/47

Right: 1952.534+/-0.349 χ^2/NDF: 1024490.6/37

In: 1843.458+/-0.258 χ^2/NDF:683245.4/39

Out: 1858.709+/-0.249 χ^2/NDF:468701.9/45

All: 1851.370+/-0.179 χ^2/NDF: 1153753.8/85



Right In: -122.188+/-229.765 χ^2/NDF: 17.7/16

Left Out: -162.911+/-115.291 χ^2/NDF:36.9/24

Right Out: -192.597+/-208.588 χ^2/NDF: 25.1/20

Left In: -49.310+/-122.694 χ^2/NDF:11.3/22

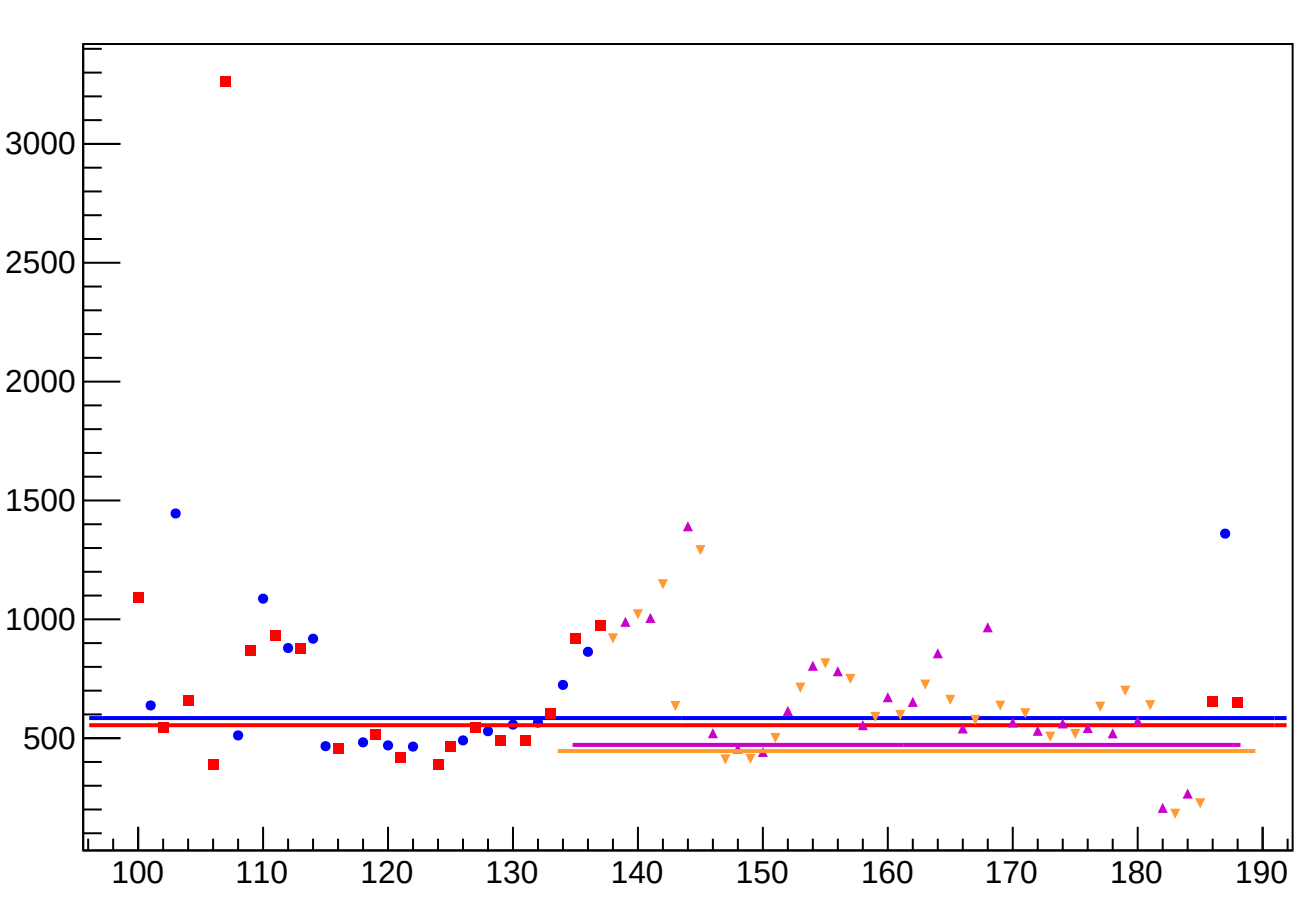
Left: -109.640+/-84.018 χ^2/NDF: 48.6/47

Right: -160.786+/-154.439 χ^2/NDF: 42.8/37

In: -65.480+/-108.229 χ^2/NDF:29.1/39

Out: -169.858+/-100.904 χ^2/NDF:61.9/45

All: -121.321+/-73.804 χ^2/NDF: 91.6/85



Right In: 584.690+/-0.162 χ^2/NDF: 1125508.2/16

Left Out: 445.867+/-0.082 χ^2/NDF:7983869.6/24

Right Out: 554.617+/-0.147 χ^2/NDF: 1375046.8/20

Left In: 471.757+/-0.087 χ^2/NDF:6413685.0/22

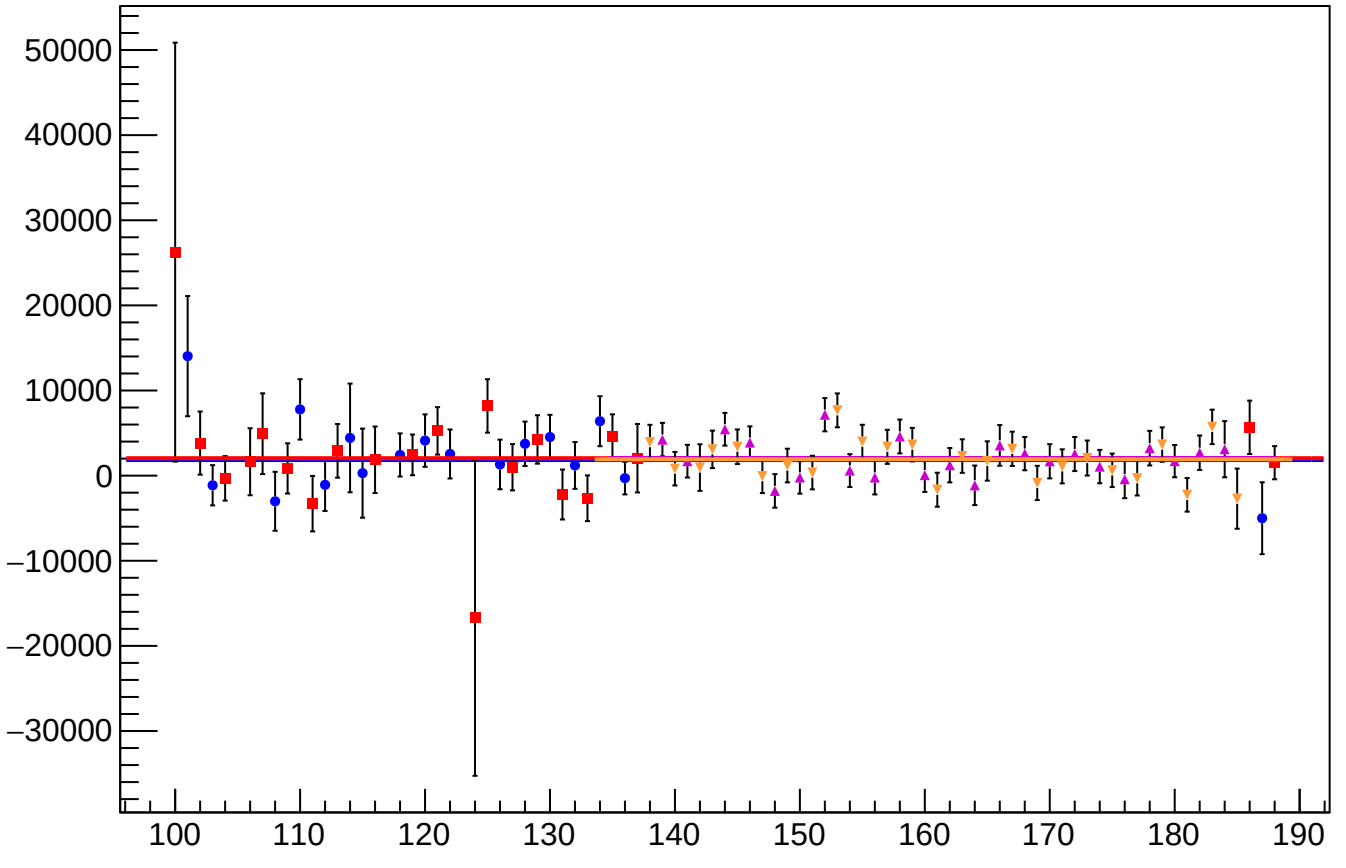
Left: 458.008+/-0.059 χ^2/NDF: 14444849.4/47

Right: 568.204+/-0.109 χ^2/NDF: 2519337.8/37

In: 496.815+/-0.077 χ^2/NDF:7915158.9/39

Out: 471.316+/-0.071 χ^2/NDF:9775335.3/45

All: 483.173+/-0.052 χ^2/NDF: 17749887.4/85



Right In: 1831.222+/-725.274 χ^2/NDF: 19.1/16

Left Out: 1920.588+/-412.915 χ^2/NDF:32.5/24

Right Out: 2050.794+/-673.577 χ^2/NDF: 19.9/20

Left In: 2074.306+/-423.203 χ^2/NDF:26.5/22

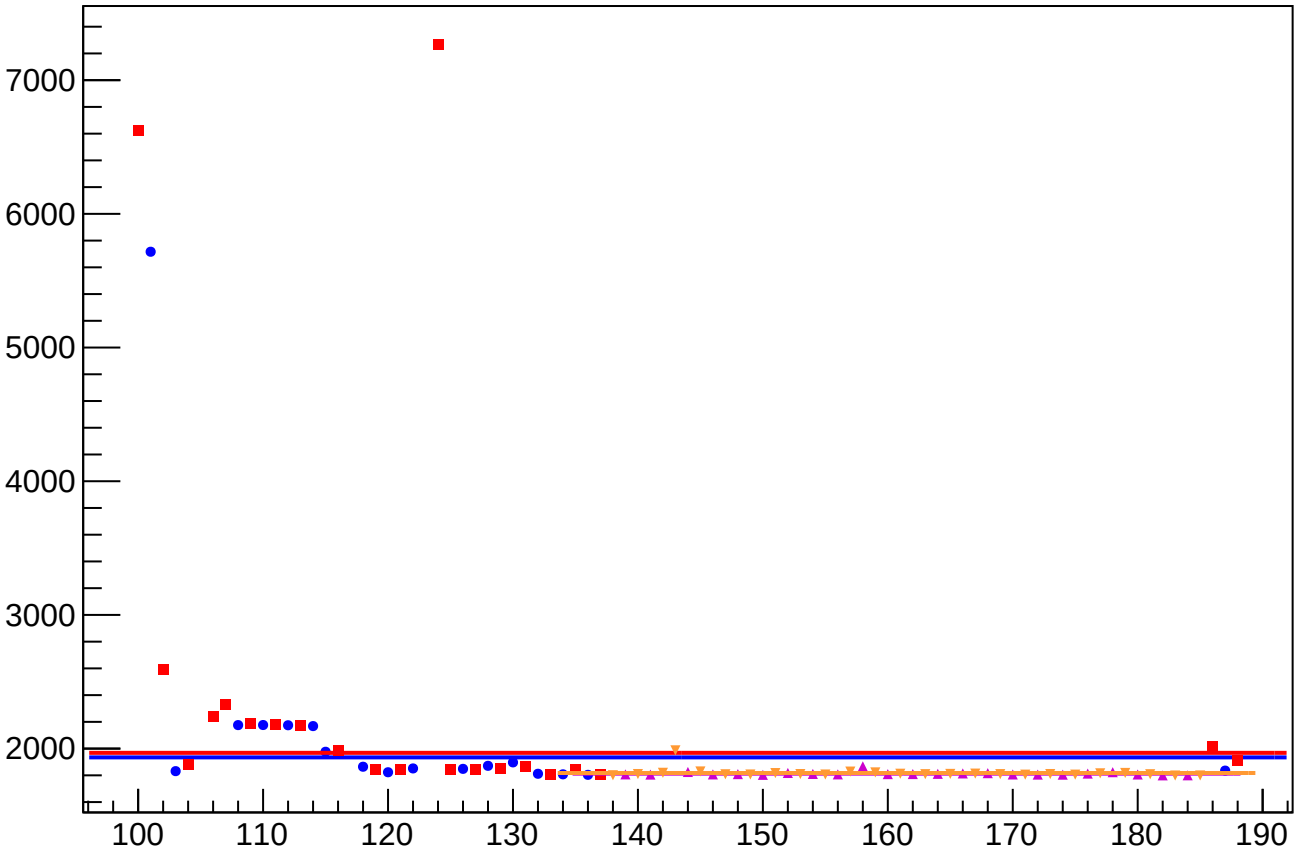
Left: 1995.556+/-295.545 χ^2/NDF: 59.1/47

Right: 1949.112+/-493.556 χ^2/NDF: 39.0/37

In: 2012.563+/-365.526 χ^2/NDF:45.7/39

Out: 1956.153+/-352.034 χ^2/NDF:52.4/45

All: 1983.298+/-253.561 χ^2/NDF: 98.2/85



Right In: 1934.249+/-0.513 χ^2/NDF: 639220.4/16

Left Out: 1817.524+/-0.292 χ^2/NDF:12955.2/24

Right Out: 1968.305+/-0.476 χ^2/NDF: 382902.6/20

Left In: 1812.545+/-0.299 χ^2/NDF:2013.0/22

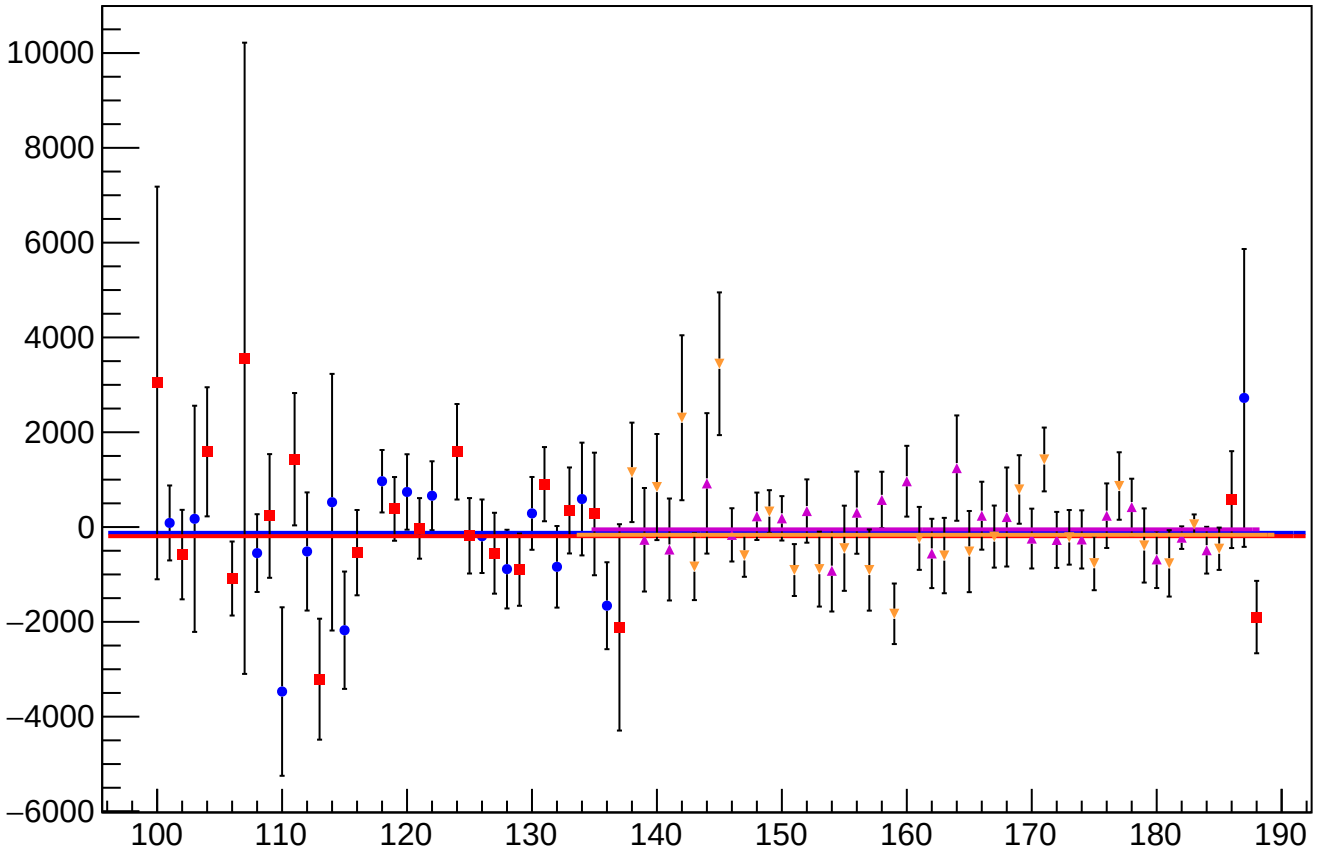
Left: 1815.096+/-0.209 χ^2/NDF: 15110.1/47

Right: 1952.534+/-0.349 χ^2/NDF: 1024490.6/37

In: 1843.458+/-0.258 χ^2/NDF:683245.4/39

Out: 1858.709+/-0.249 χ^2/NDF:468701.9/45

All: 1851.370+/-0.179 χ^2/NDF: 1153753.8/85



Right In: -122.188+/-229.765 χ^2/NDF: 17.7/16

Left Out: -162.911+/-115.291 χ^2/NDF:36.9/24

Right Out: -192.597+/-208.588 χ^2/NDF: 25.1/20

Left In: -49.310+/-122.694 χ^2/NDF:11.3/22

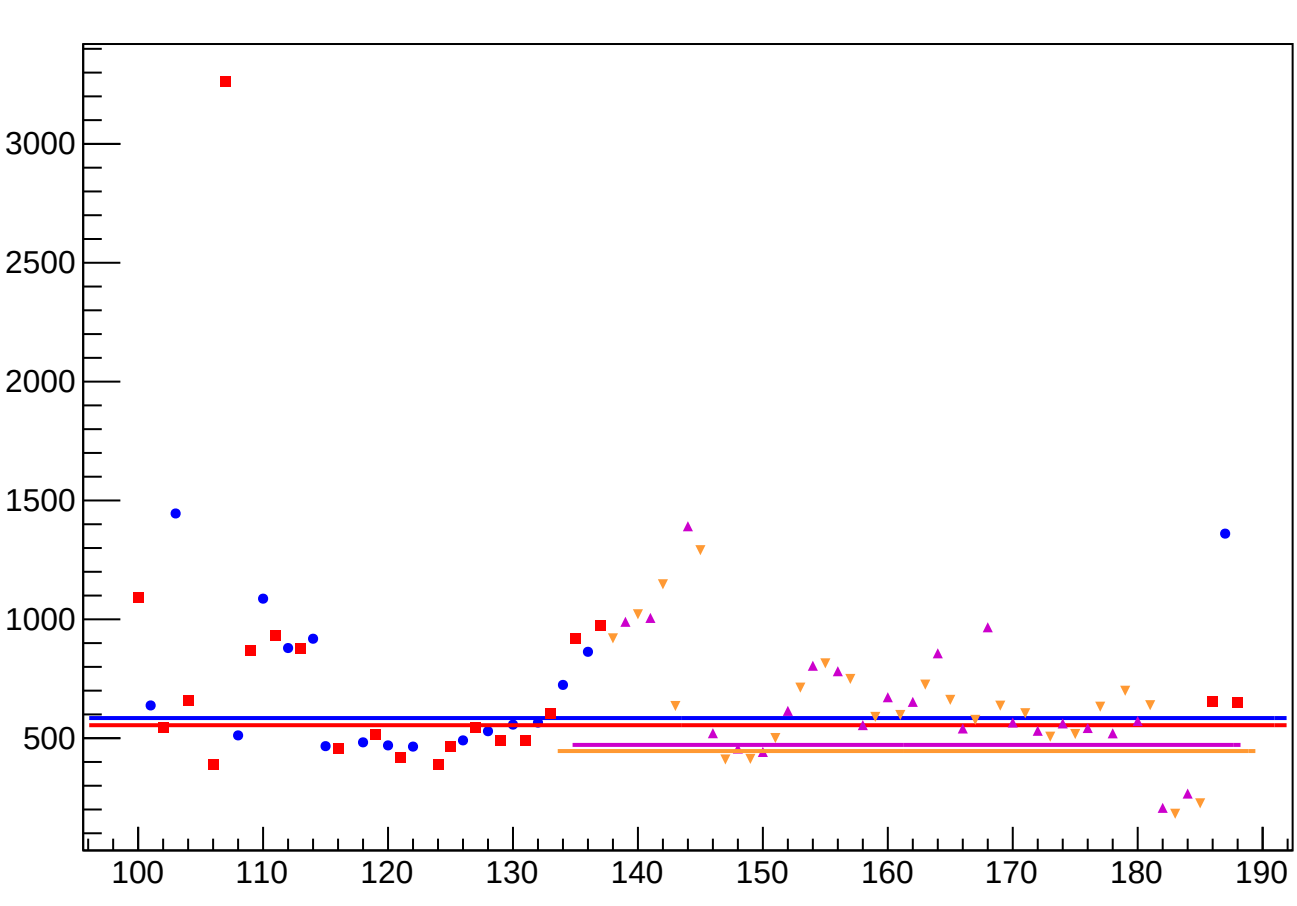
Left: -109.640+/-84.018 χ^2/NDF: 48.6/47

Right: -160.786+/-154.439 χ^2/NDF: 42.8/37

In: -65.480+/-108.229 χ^2/NDF:29.1/39

Out: -169.858+/-100.904 χ^2/NDF:61.9/45

All: -121.321+/-73.804 χ^2/NDF: 91.6/85



Right In: 584.690+/-0.162 χ^2/NDF: 1125508.2/16

Left Out: 445.867+/-0.082 χ^2/NDF:7983869.6/24

Right Out: 554.617+/-0.147 χ^2/NDF: 1375046.8/20

Left In: 471.757+/-0.087 χ^2/NDF:6413685.0/22

Left: 458.008+/-0.059 χ^2/NDF: 14444849.4/47

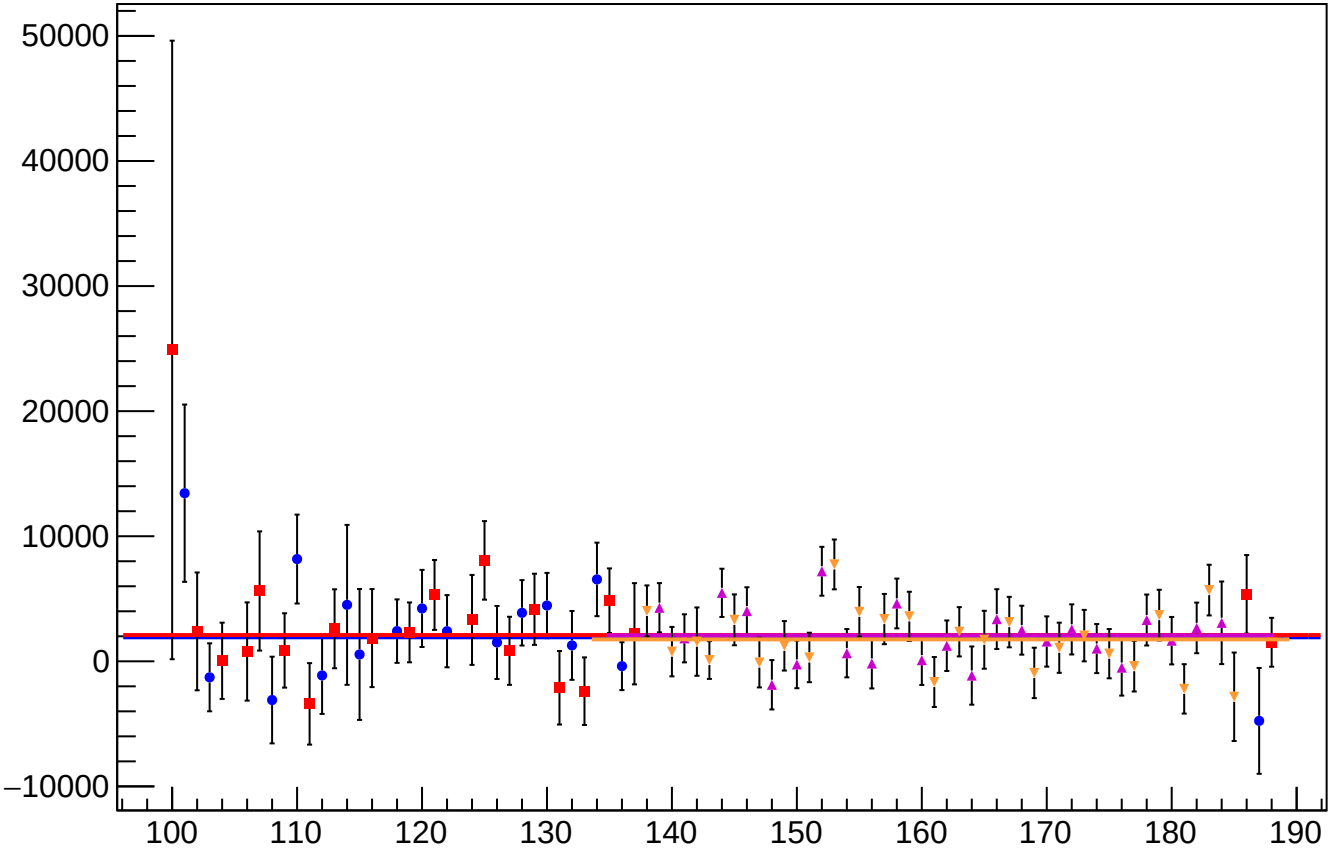
Right: 568.204+/-0.109 χ^2/NDF: 2519337.8/37

In: 496.815+/-0.077 χ^2/NDF:7915158.9/39

Out: 471.316+/-0.071 χ^2/NDF:9775335.3/45

All: 483.173+/-0.052 χ^2/NDF: 17749887.4/85

dit_asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 1921.004+/-734.906 χ^2/NDF: 19.1/16

Left Out: 1755.493+/-405.401 χ^2/NDF:33.8/24

Right Out: 2099.369+/-673.646 χ^2/NDF: 17.9/20

Left In: 2073.441+/-423.648 χ^2/NDF:27.0/22

Left: 1907.472+/-292.900 χ^2/NDF: 61.1/47

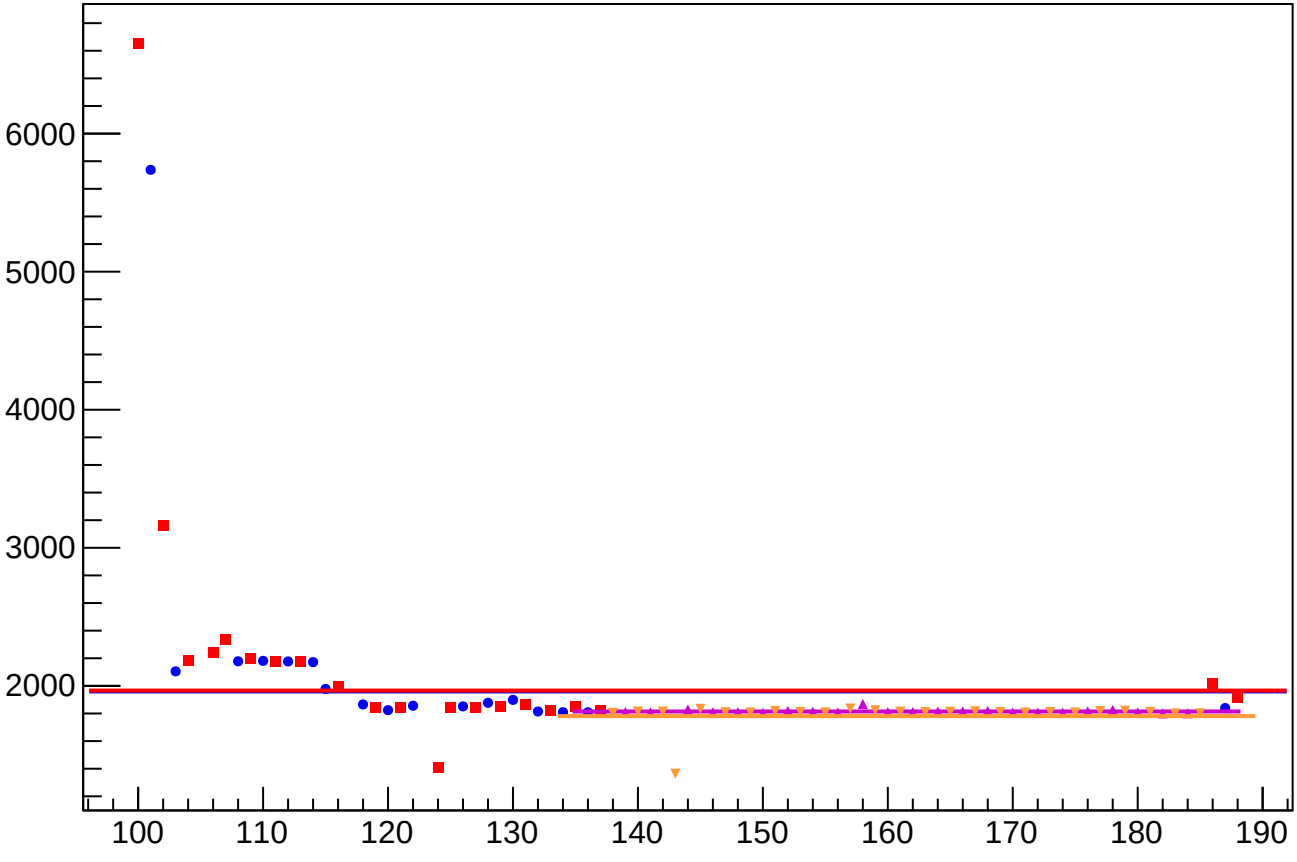
Right: 2017.929+/-496.587 χ^2/NDF: 37.0/37

In: 2035.419+/-367.030 χ^2/NDF:46.1/39

Out: 1846.921+/-347.352 χ^2/NDF:51.9/45

All: 1935.982+/-252.285 χ^2/NDF: 98.1/85

dit_asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 1959.673+/-0.520 χ^2/NDF: 641922.0/16

Left Out: 1780.913+/-0.287 χ^2/NDF:164936.9/24

Right Out: 1965.915+/-0.476 χ^2/NDF: 347284.8/20

Left In: 1814.434+/-0.300 χ^2/NDF:2094.6/22

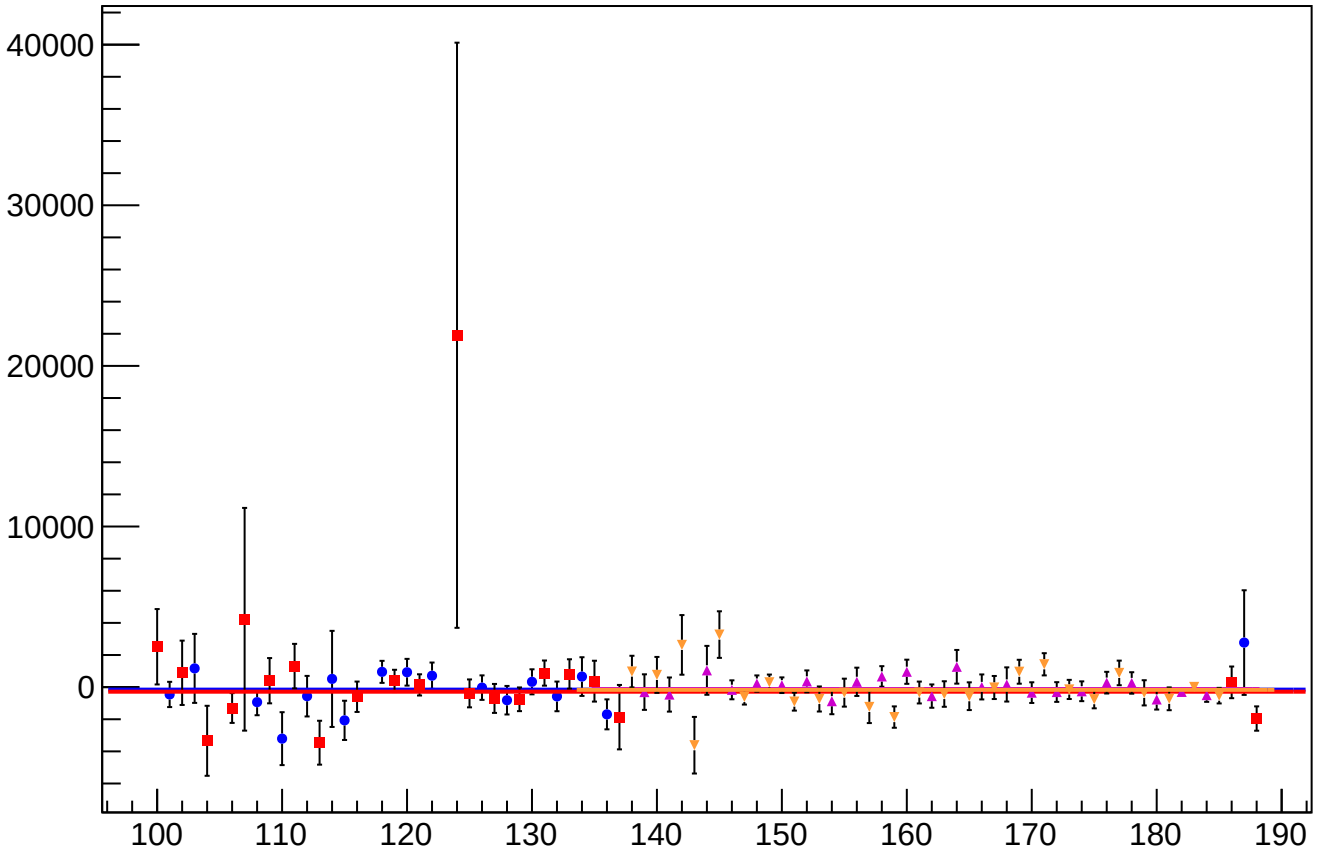
Left: 1796.936+/-0.207 χ^2/NDF: 173567.7/47

Right: 1963.065+/-0.351 χ^2/NDF: 989285.2/37

In: 1850.660+/-0.260 χ^2/NDF:702647.3/39

Out: 1830.101+/-0.246 χ^2/NDF:622958.1/45

All: 1839.815+/-0.178 χ^2/NDF: 1328916.0/85



Right In: -155.281+/-236.288 χ^2/NDF: 18.0/16

Left Out: -167.909+/-121.628 χ^2/NDF:38.3/24

Right Out: -284.023+/-225.139 χ^2/NDF: 25.6/20

Left In: -117.211+/-119.772 χ^2/NDF:12.3/22

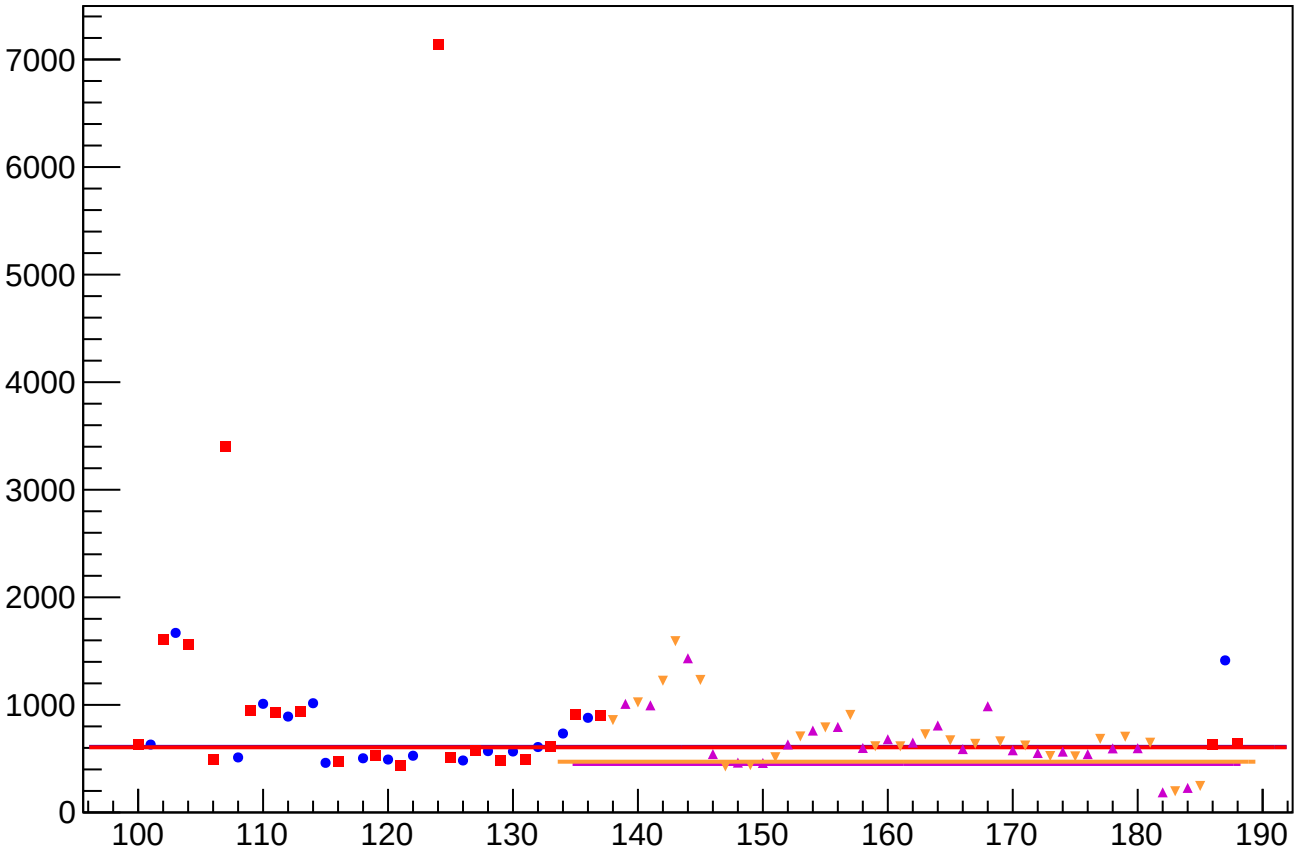
Left: -142.170+/-85.340 χ^2/NDF: 50.7/47

Right: -222.761+/-162.996 χ^2/NDF: 43.8/37

In: -124.993+/-106.831 χ^2/NDF:30.4/39

Out: -194.141+/-107.011 χ^2/NDF:64.2/45

All: -159.509+/-75.604 χ^2/NDF: 94.8/85



Right In: 609.683+/-0.167 χ^2/NDF: 1284982.2/16

Left Out: 471.777+/-0.086 χ^2/NDF:8112666.9/24

Right Out: 605.805+/-0.159 χ^2/NDF: 2335623.6/20

Left In: 450.652+/-0.085 χ^2/NDF:7928332.5/22

Left: 461.052+/-0.060 χ^2/NDF: 16071629.8/47

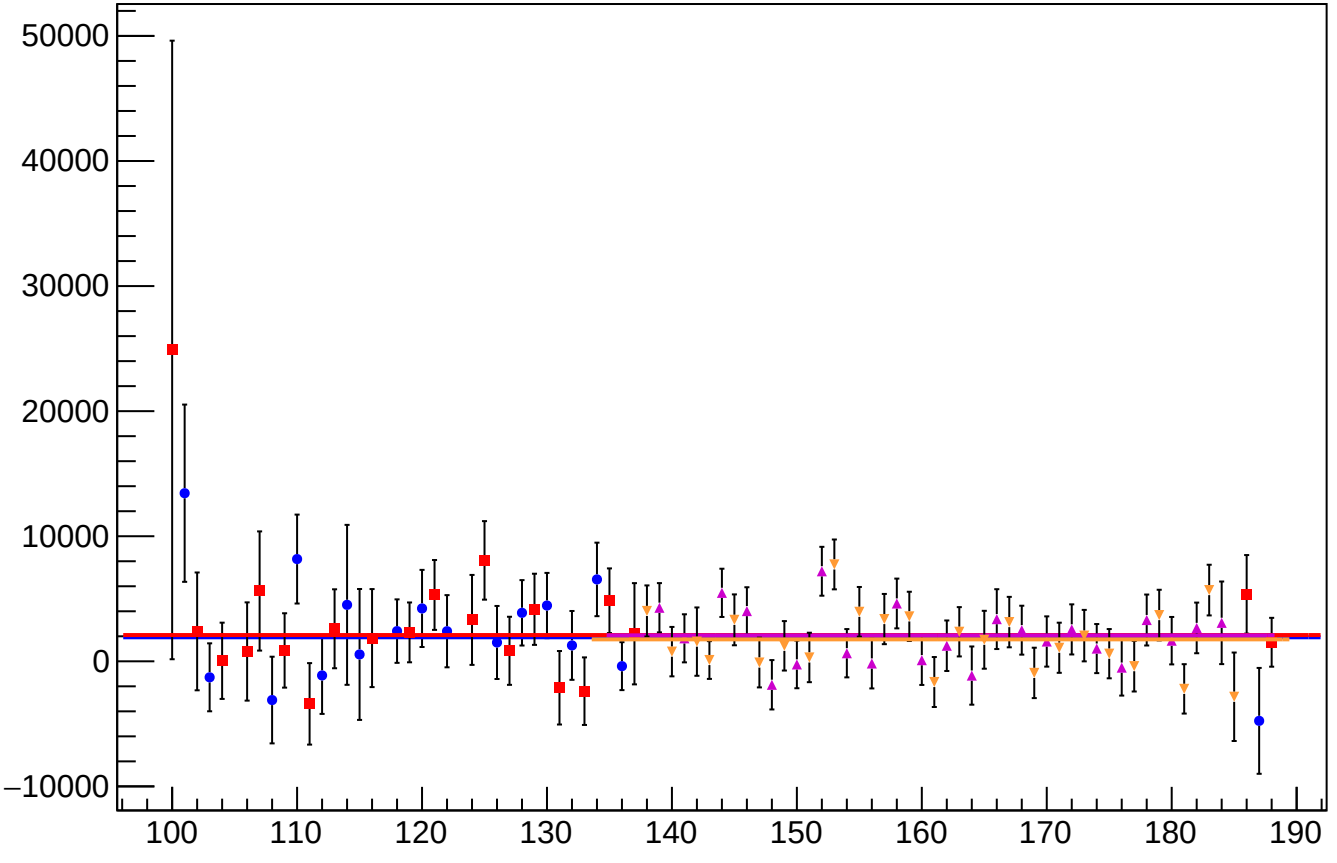
Right: 607.651+/-0.115 χ^2/NDF: 3620888.1/37

In: 483.160+/-0.076 χ^2/NDF:9934087.9/39

Out: 502.057+/-0.076 χ^2/NDF:10996957.7/45

All: 492.593+/-0.053 χ^2/NDF: 20962279.8/85

eigen_dit_asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 1921.002+/-734.906 χ^2/NDF: 19.1/16

Left Out: 1755.493+/-405.401 χ^2/NDF:33.8/24

Right Out: 2099.366+/-673.646 χ^2/NDF: 17.9/20

Left In: 2073.441+/-423.648 χ^2/NDF:27.0/22

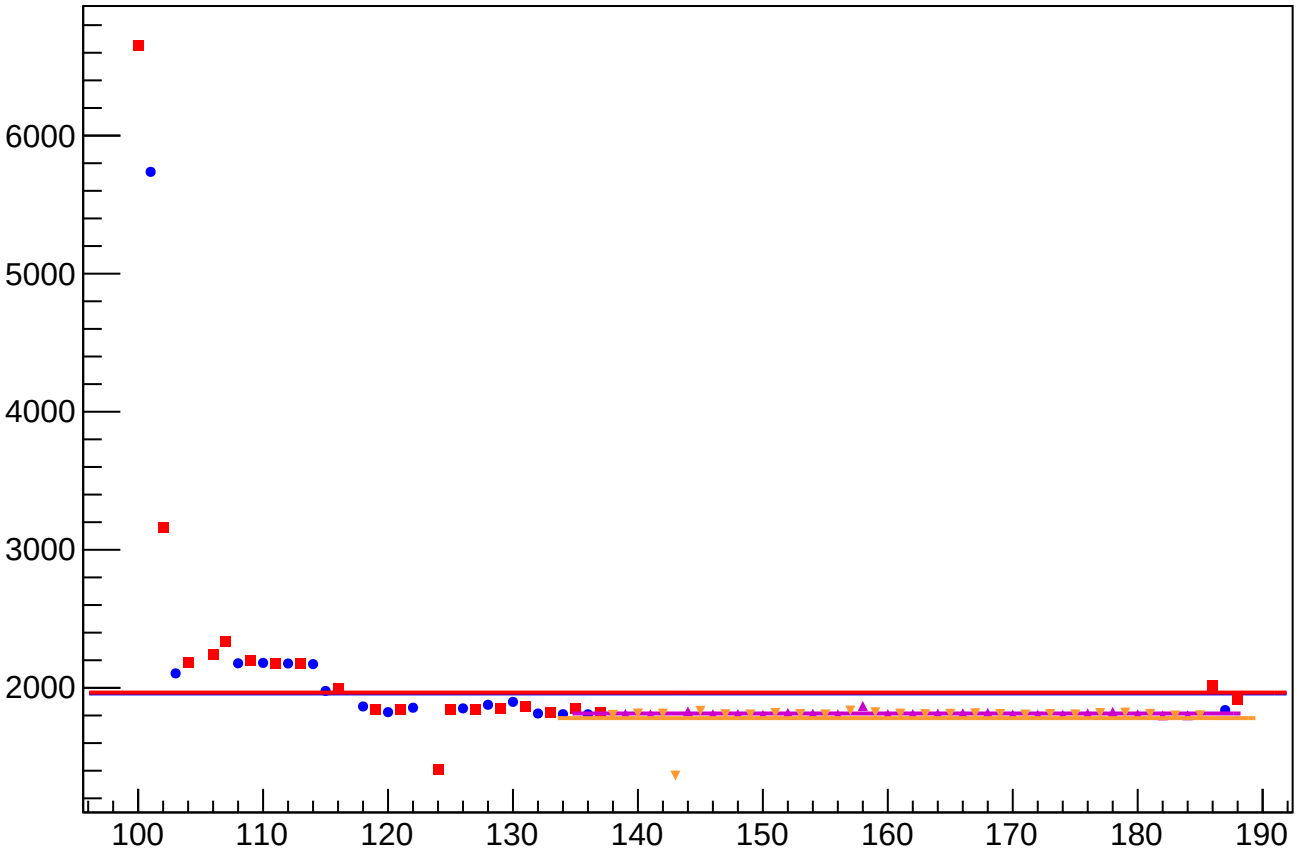
Left: 1907.473+/-292.900 χ^2/NDF: 61.1/47

Right: 2017.926+/-496.587 χ^2/NDF: 37.0/37

In: 2035.419+/-367.030 χ^2/NDF:46.1/39

Out: 1846.920+/-347.352 χ^2/NDF:51.9/45

All: 1935.981+/-252.285 χ^2/NDF: 98.1/85



Right In: 1959.673+/-0.520 χ^2/NDF: 641921.7/16

Left Out: 1780.913+/-0.287 χ^2/NDF:164936.9/24

Right Out: 1965.915+/-0.476 χ^2/NDF: 347283.5/20

Left In: 1814.434+/-0.300 χ^2/NDF:2094.6/22

Left: 1796.936+/-0.207 χ^2/NDF: 173567.7/47

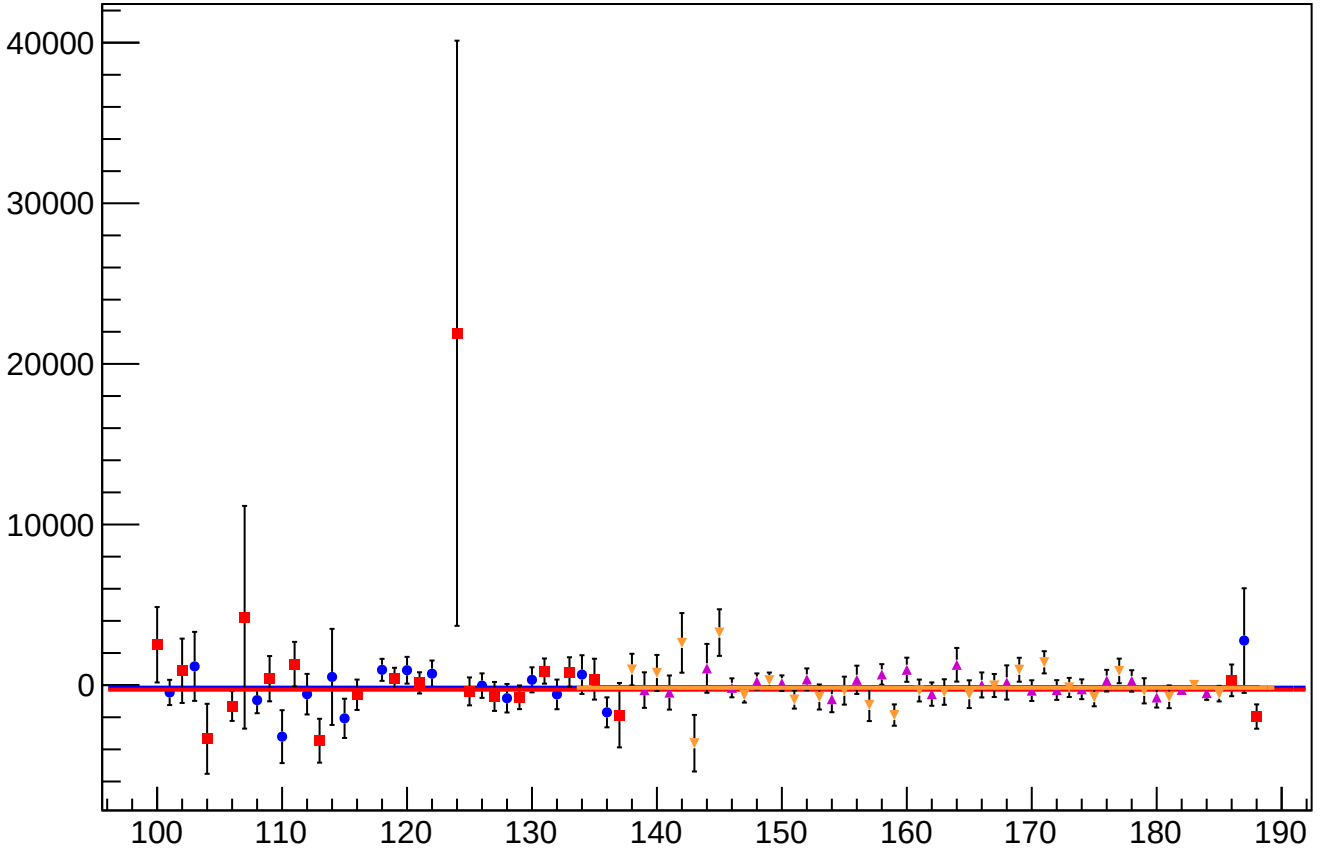
Right: 1963.065+/-0.351 χ^2/NDF: 989283.6/37

In: 1850.660+/-0.260 χ^2/NDF:702646.8/39

Out: 1830.101+/-0.246 χ^2/NDF:622956.5/45

All: 1839.815+/-0.178 χ^2/NDF: 1328914.0/85

asym_at1_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -155.280+/-236.288 χ^2/NDF: 18.0/16

Left Out: -167.909+/-121.629 χ^2/NDF:38.3/24

Right Out: -284.023+/-225.139 χ^2/NDF: 25.6/20

Left In: -117.211+/-119.772 χ^2/NDF:12.3/22

Left: -142.170+/-85.340 χ^2/NDF: 50.7/47

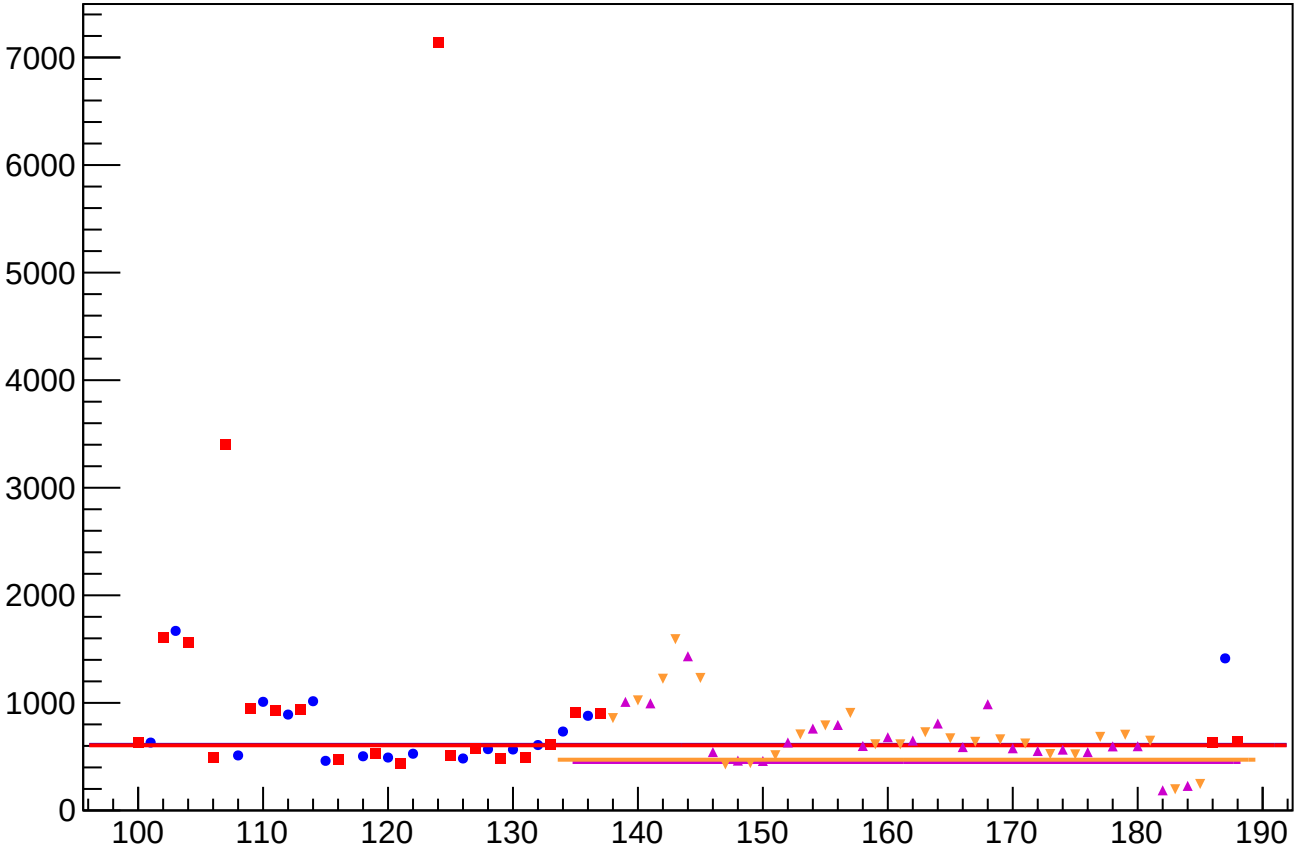
Right: -222.760+/-162.996 χ^2/NDF: 43.8/37

In: -124.993+/-106.831 χ^2/NDF:30.4/39

Out: -194.142+/-107.011 χ^2/NDF:64.2/45

All: -159.509+/-75.605 χ^2/NDF: 94.8/85

asym_at1_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 609.682+/-0.167 χ^2/NDF: 1284990.7/16

Left Out: 471.778+/-0.086 χ^2/NDF:8112665.9/24

Right Out: 605.805+/-0.159 χ^2/NDF: 2335631.8/20

Left In: 450.653+/-0.085 χ^2/NDF:7928317.5/22

Left: 461.053+/-0.060 χ^2/NDF: 16071613.1/47

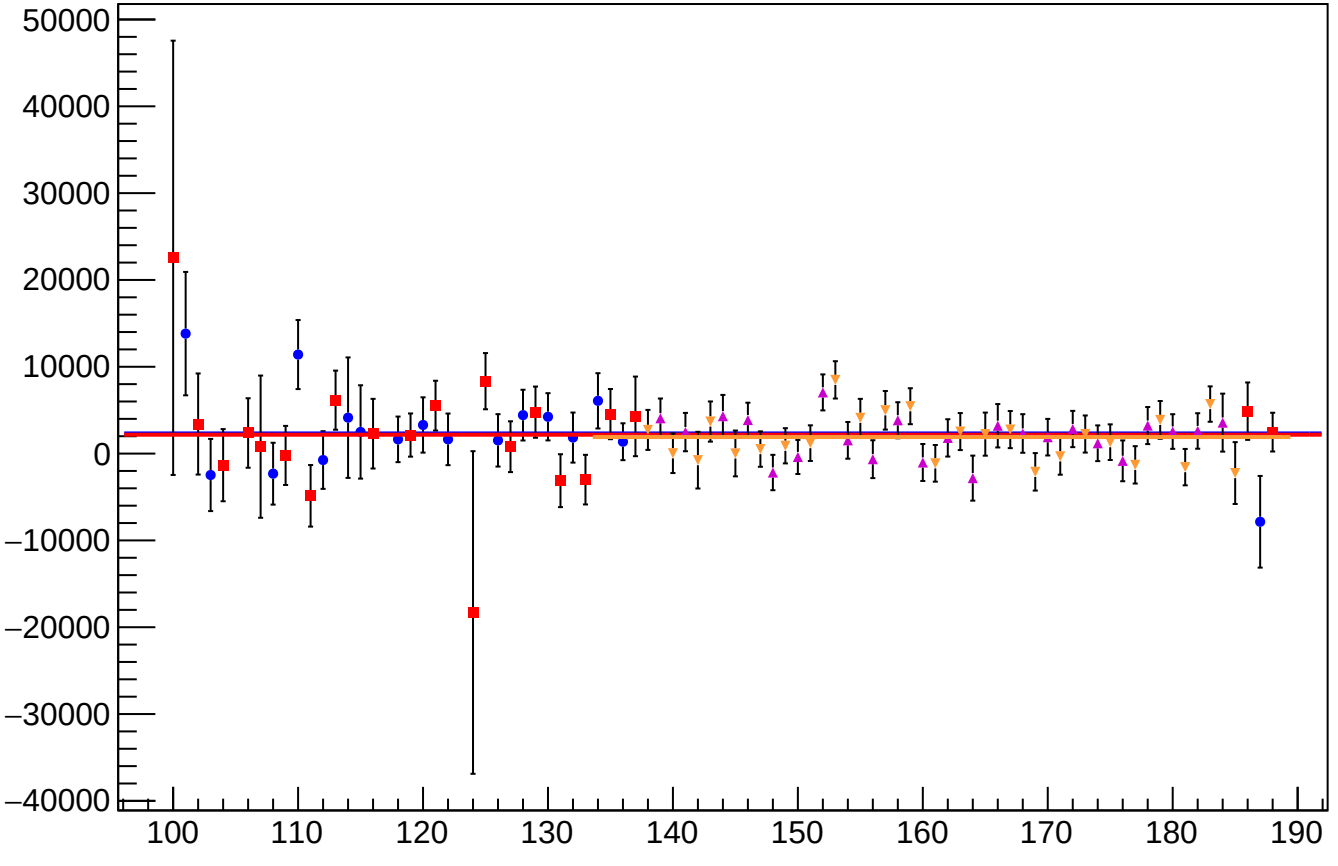
Right: 607.650+/-0.115 χ^2/NDF: 3620904.8/37

In: 483.161+/-0.076 χ^2/NDF:9934065.2/39

Out: 502.057+/-0.076 χ^2/NDF:10996954.0/45

All: 492.593+/-0.053 χ^2/NDF: 20962252.7/85

asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 2321.645+/-800.303 χ^2/NDF: 18.4/16

Left Out: 1907.369+/-443.523 χ^2/NDF:36.3/24

Right Out: 2173.494+/-748.759 χ^2/NDF: 22.3/20

Left In: 1926.570+/-454.880 χ^2/NDF:24.8/22

Left: 1916.727+/-317.557 χ^2/NDF: 61.0/47

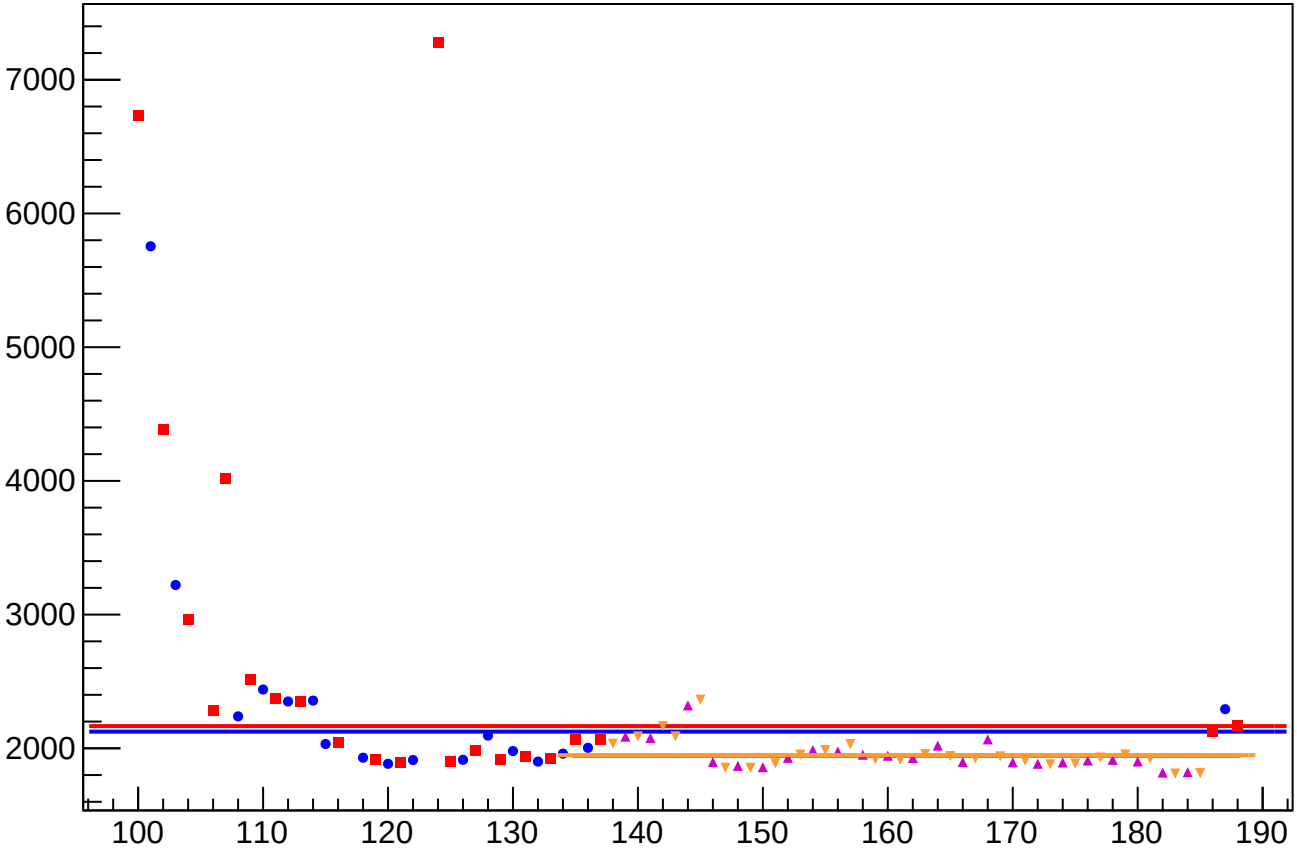
Right: 2242.645+/-546.767 χ^2/NDF: 40.8/37

In: 2023.038+/-395.464 χ^2/NDF:43.4/39

Out: 1976.492+/-381.601 χ^2/NDF:58.7/45

All: 1998.935+/-274.603 χ^2/NDF: 102.1/85

asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 2124.727+/-0.566 χ^2/NDF: 762040.2/16

Left Out: 1949.001+/-0.314 χ^2/NDF:108523.9/24

Right Out: 2166.123+/-0.529 χ^2/NDF: 824234.7/20

Left In: 1945.132+/-0.322 χ^2/NDF:95954.5/22

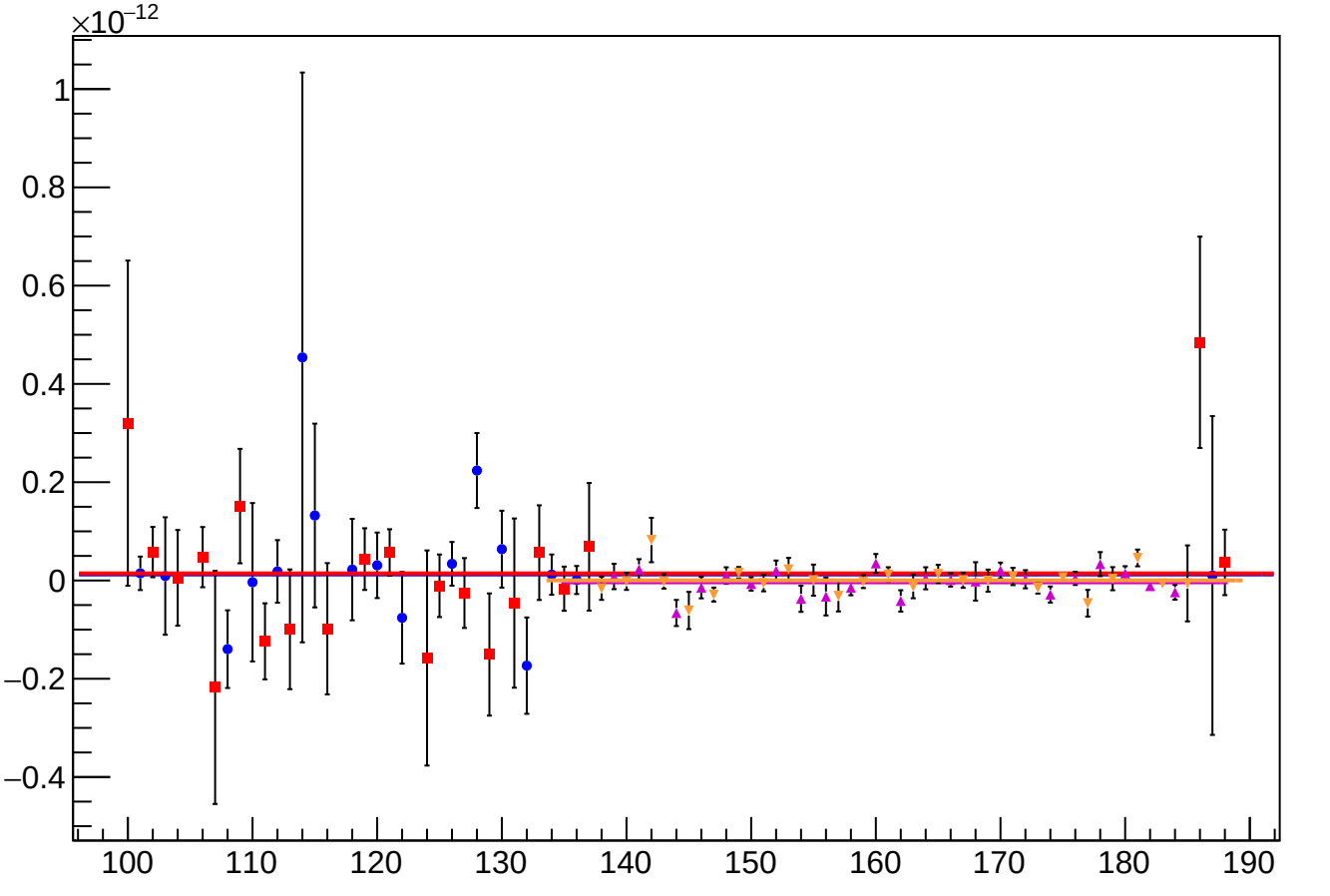
Left: 1947.116+/-0.225 χ^2/NDF: 204552.7/47

Right: 2146.801+/-0.387 χ^2/NDF: 1589128.3/37

In: 1988.985+/-0.280 χ^2/NDF:934120.1/39

Out: 2005.396+/-0.270 χ^2/NDF:1057250.4/45

All: 1997.483+/-0.194 χ^2/NDF: 1993154.1/85



Right In: 0.000+/-0.000 χ^2/NDF: 17.8/16

Left Out: 0.000+/-0.000 χ^2/NDF:28.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 18.7/20

Left In: -0.000+/-0.000 χ^2/NDF:31.1/22

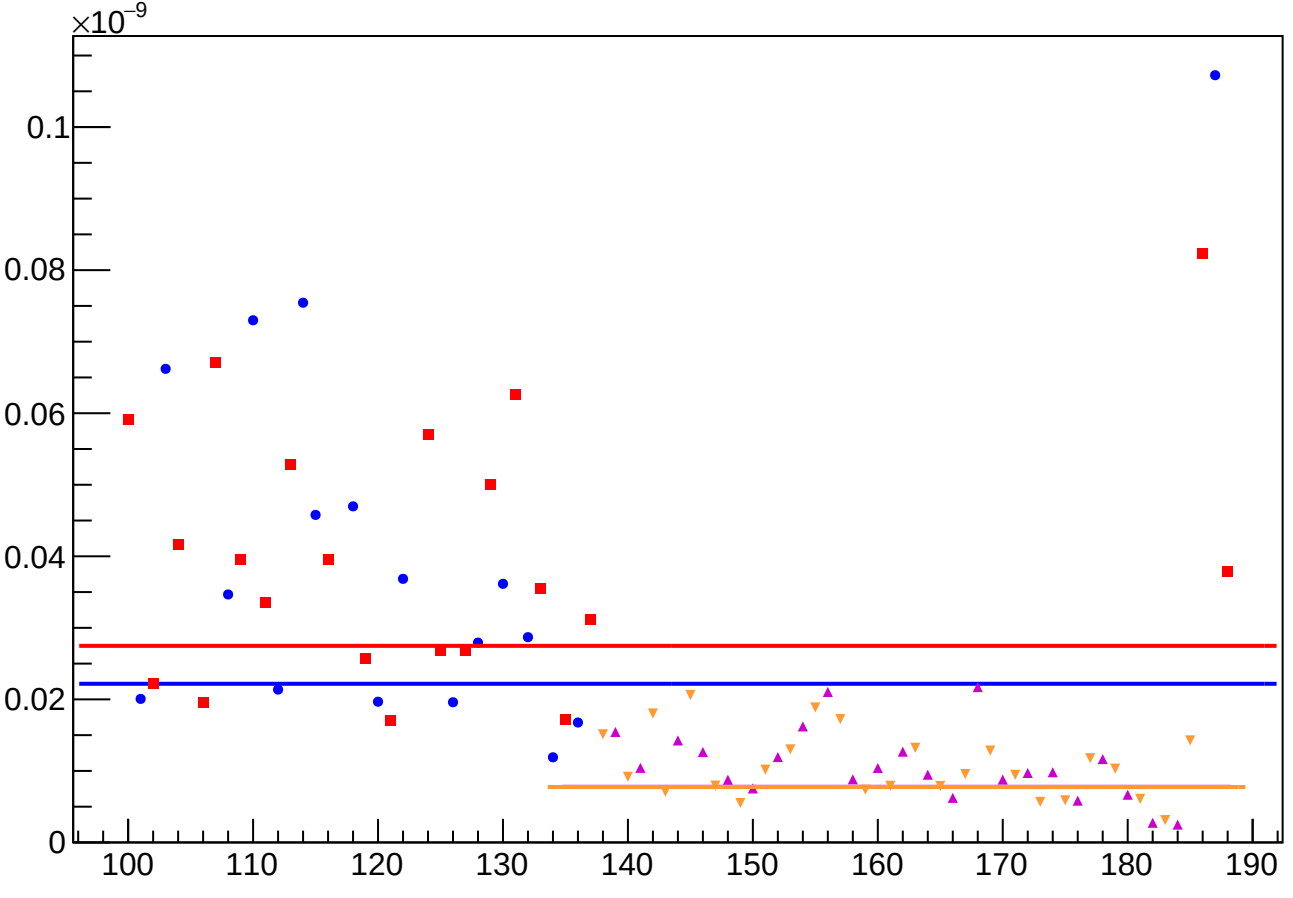
Left: -0.000+/-0.000 χ^2/NDF: 60.4/47

Right: 0.000+/-0.000 χ^2/NDF: 36.5/37

In: -0.000+/-0.000 χ^2/NDF:50.0/39

Out: 0.000+/-0.000 χ^2/NDF:48.1/45

All: -0.000+/-0.000 χ^2/NDF: 98.6/85



Right In: 0.000+/-0.000 χ^2/NDF: 1170485.5/16

Left Out: 0.000+/-0.000 χ^2/NDF:2160933.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 892966.7/20

Left In: 0.000+/-0.000 χ^2/NDF:2613869.2/22

Left: 0.000+/-0.000 χ^2/NDF: 4774854.4/47

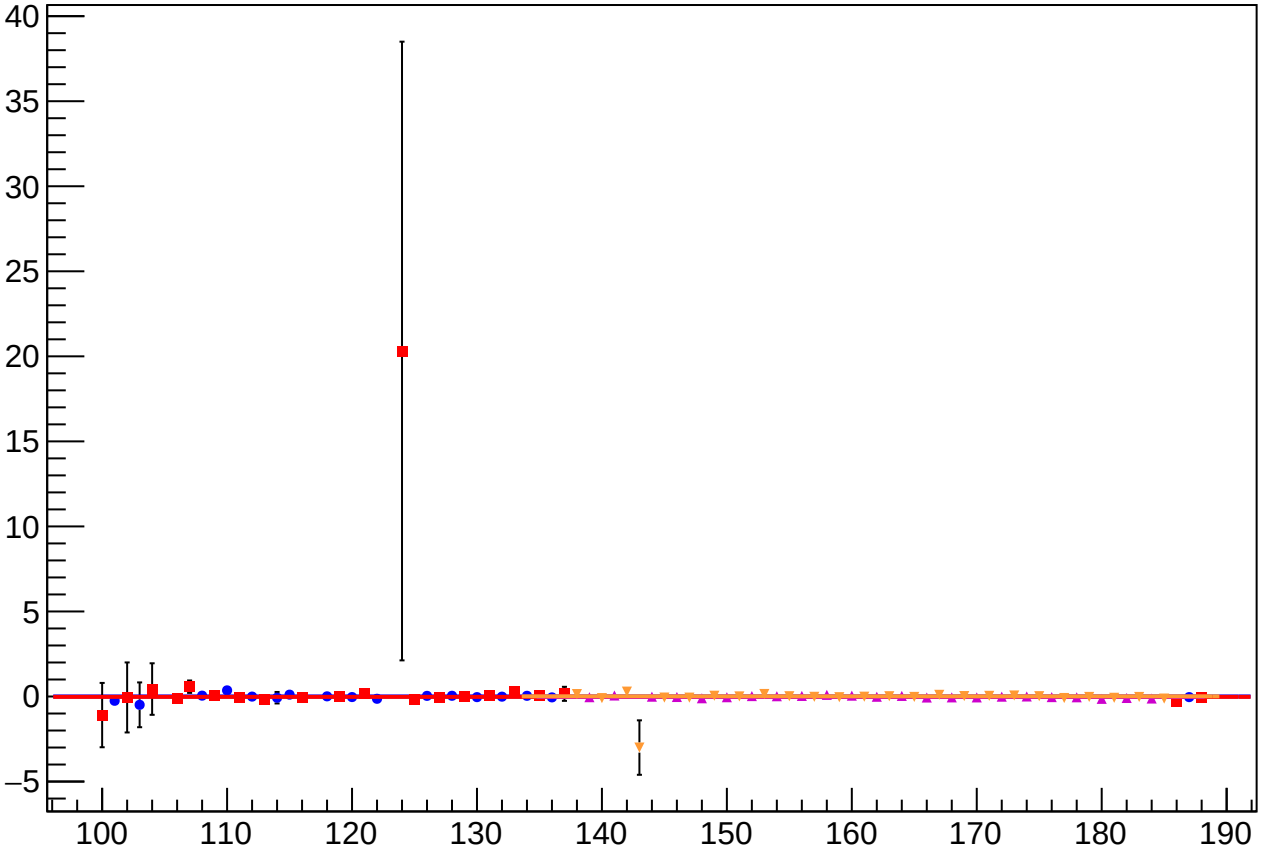
Right: 0.000+/-0.000 χ^2/NDF: 2172126.2/37

In: 0.000+/-0.000 χ^2/NDF:5595939.3/39

Out: 0.000+/-0.000 χ^2/NDF:5549984.7/45

All: 0.000+/-0.000 χ^2/NDF: 11147219.1/85

asym_at1_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.003+/-0.026 χ^2/NDF: 11.4/16

Left Out: 0.011+/-0.012 χ^2/NDF:29.6/24

Right Out: -0.021+/-0.025 χ^2/NDF: 20.6/20

Left In: -0.018+/-0.012 χ^2/NDF:20.3/22

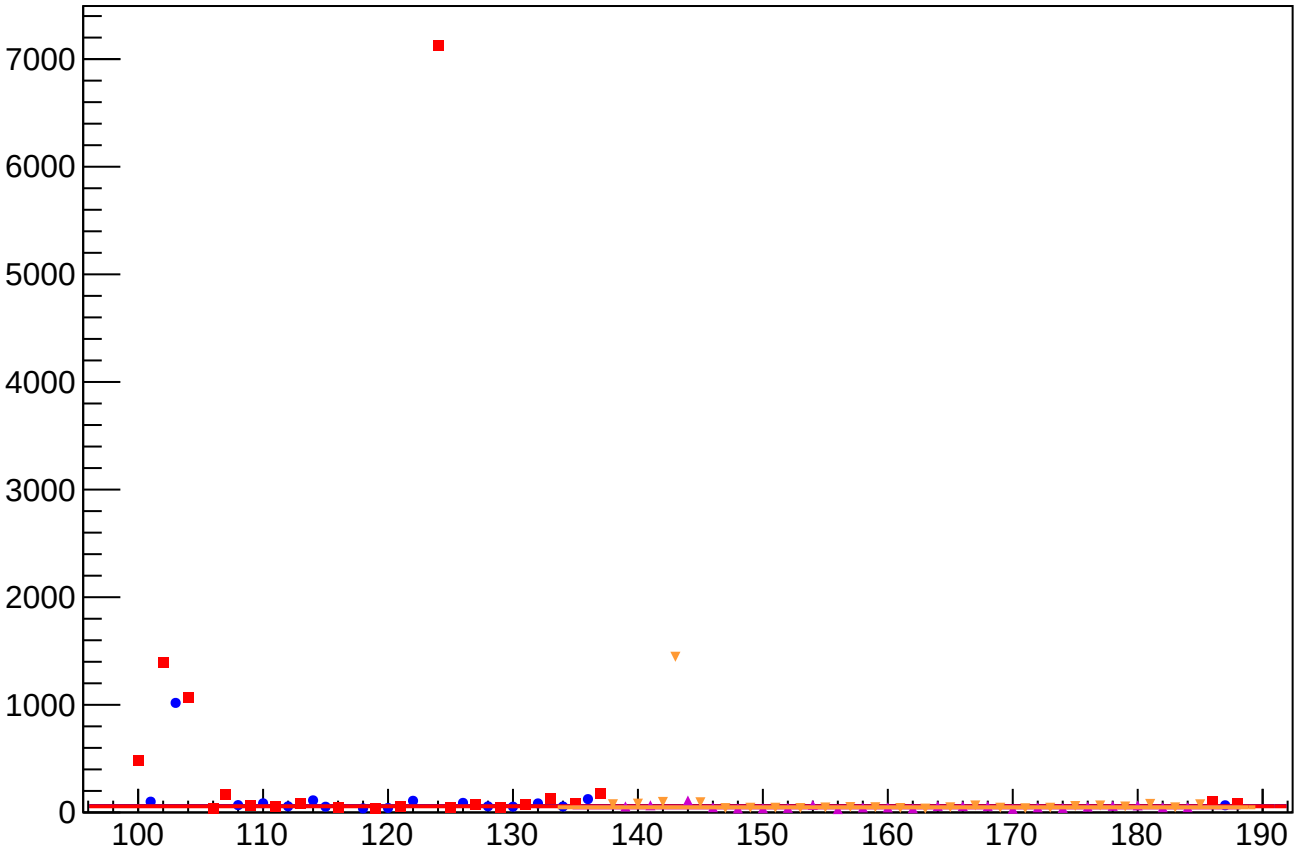
Left: -0.004+/-0.009 χ^2/NDF: 52.8/47

Right: -0.010+/-0.018 χ^2/NDF: 32.5/37

In: -0.014+/-0.011 χ^2/NDF:32.3/39

Out: 0.005+/-0.011 χ^2/NDF:51.6/45

All: -0.005+/-0.008 χ^2/NDF: 85.4/85



Right In: 60.011+/-0.019 χ^2/NDF: 2542116.4/16

Left Out: 47.901+/-0.009 χ^2/NDF:3496596.6/24

Right Out: 57.473+/-0.017 χ^2/NDF: 3887014.8/20

Left In: 46.786+/-0.009 χ^2/NDF:1949486.1/22

Left: 47.335+/-0.006 χ^2/NDF: 5454241.8/47

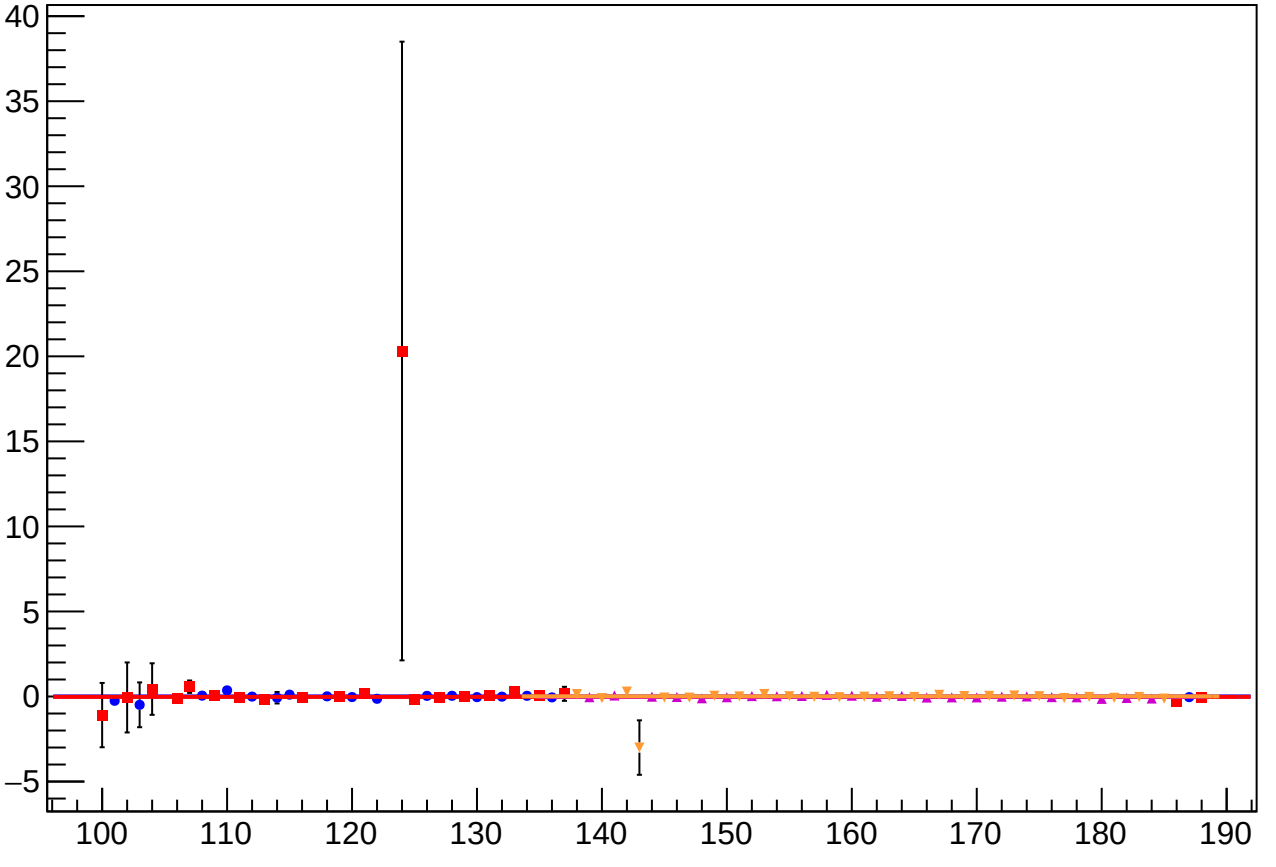
Right: 58.656+/-0.013 χ^2/NDF: 6439022.5/37

In: 49.134+/-0.008 χ^2/NDF:4905151.8/39

Out: 49.847+/-0.008 χ^2/NDF:7624174.1/45

All: 49.490+/-0.006 χ^2/NDF: 12533443.0/85

asym_at1_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.003+/-0.026 χ^2/NDF: 11.4/16

Left Out: 0.011+/-0.012 χ^2/NDF:29.6/24

Right Out: -0.021+/-0.025 χ^2/NDF: 20.6/20

Left In: -0.018+/-0.012 χ^2/NDF:20.3/22

Left: -0.004+/-0.009 χ^2/NDF: 52.8/47

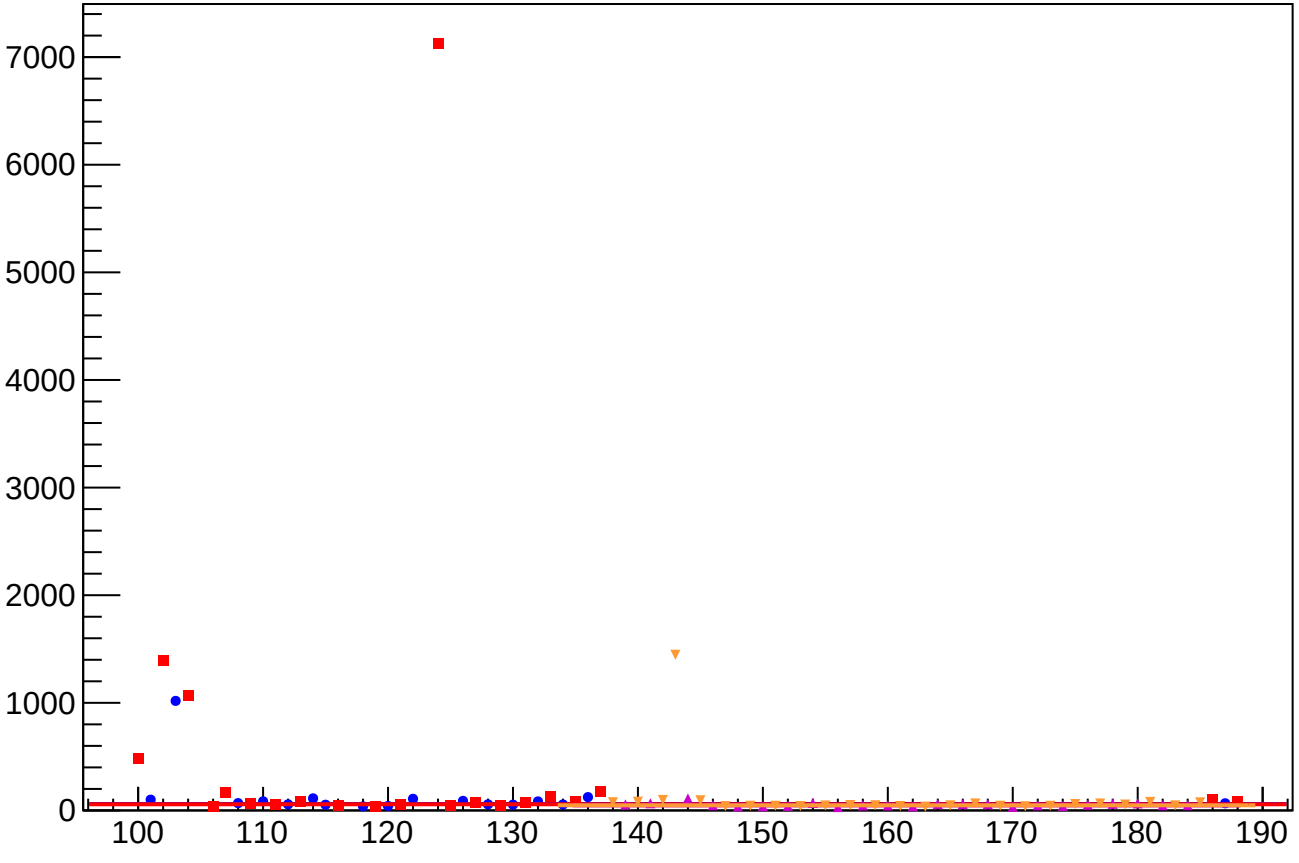
Right: -0.010+/-0.018 χ^2/NDF: 32.5/37

In: -0.014+/-0.011 χ^2/NDF:32.3/39

Out: 0.005+/-0.011 χ^2/NDF:51.6/45

All: -0.005+/-0.008 χ^2/NDF: 85.4/85

asym_at1_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 60.011+/-0.019 χ^2/NDF: 2542116.4/16

Left Out: 47.901+/-0.009 χ^2/NDF:3496596.6/24

Right Out: 57.473+/-0.017 χ^2/NDF: 3887014.8/20

Left In: 46.786+/-0.009 χ^2/NDF:1949486.1/22

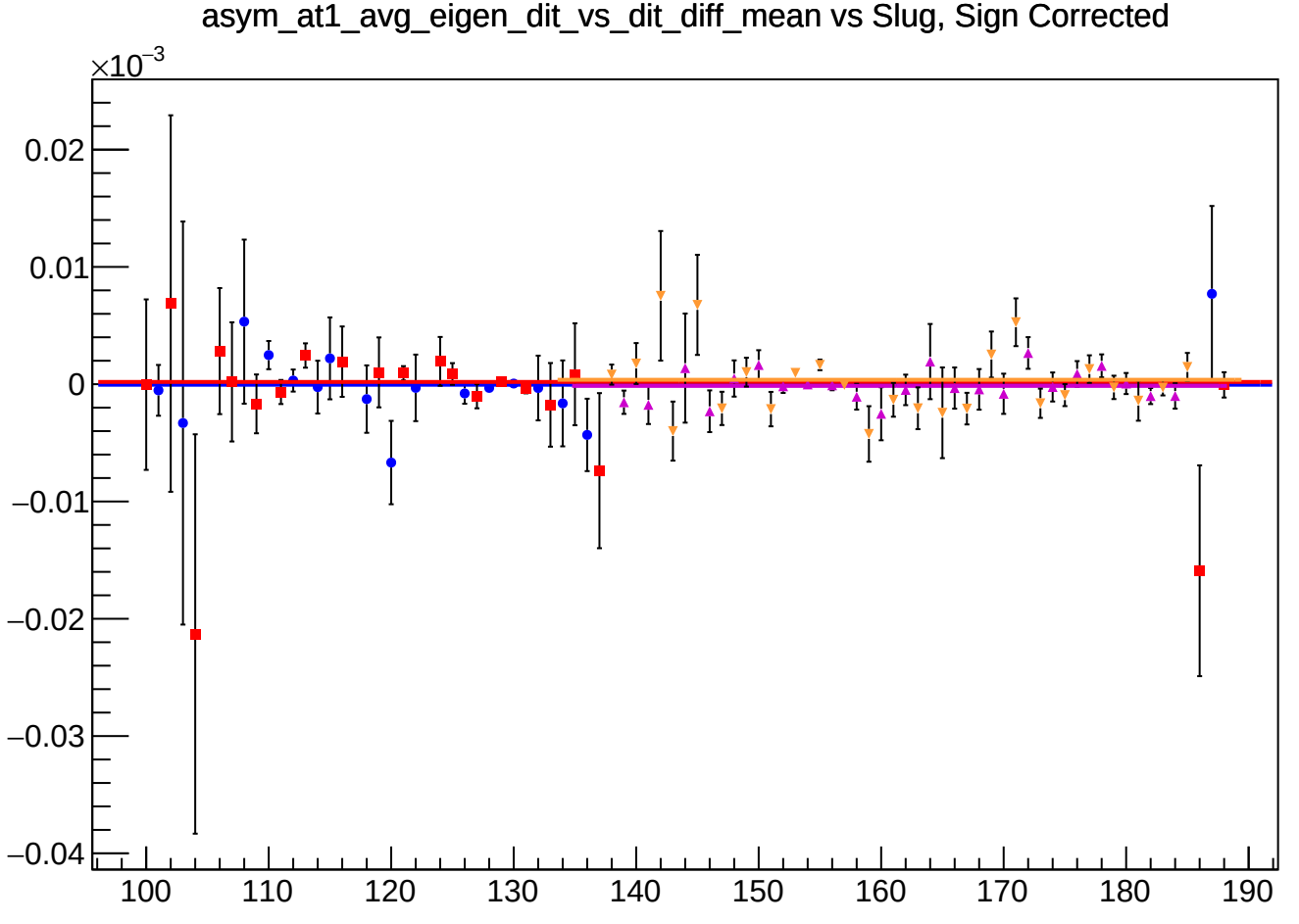
Left: 47.335+/-0.006 χ^2/NDF: 5454241.8/47

Right: 58.656+/-0.013 χ^2/NDF: 6439022.5/37

In: 49.134+/-0.008 χ^2/NDF:4905151.8/39

Out: 49.847+/-0.008 χ^2/NDF:7624174.1/45

All: 49.490+/-0.006 χ^2/NDF: 12533443.0/85



Right In: -0.000+/-0.000 χ^2/NDF: 13.9/16

Left Out: 0.000+/-0.000 χ^2/NDF:51.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 18.9/20

Left In: -0.000+/-0.000 χ^2/NDF:19.9/22

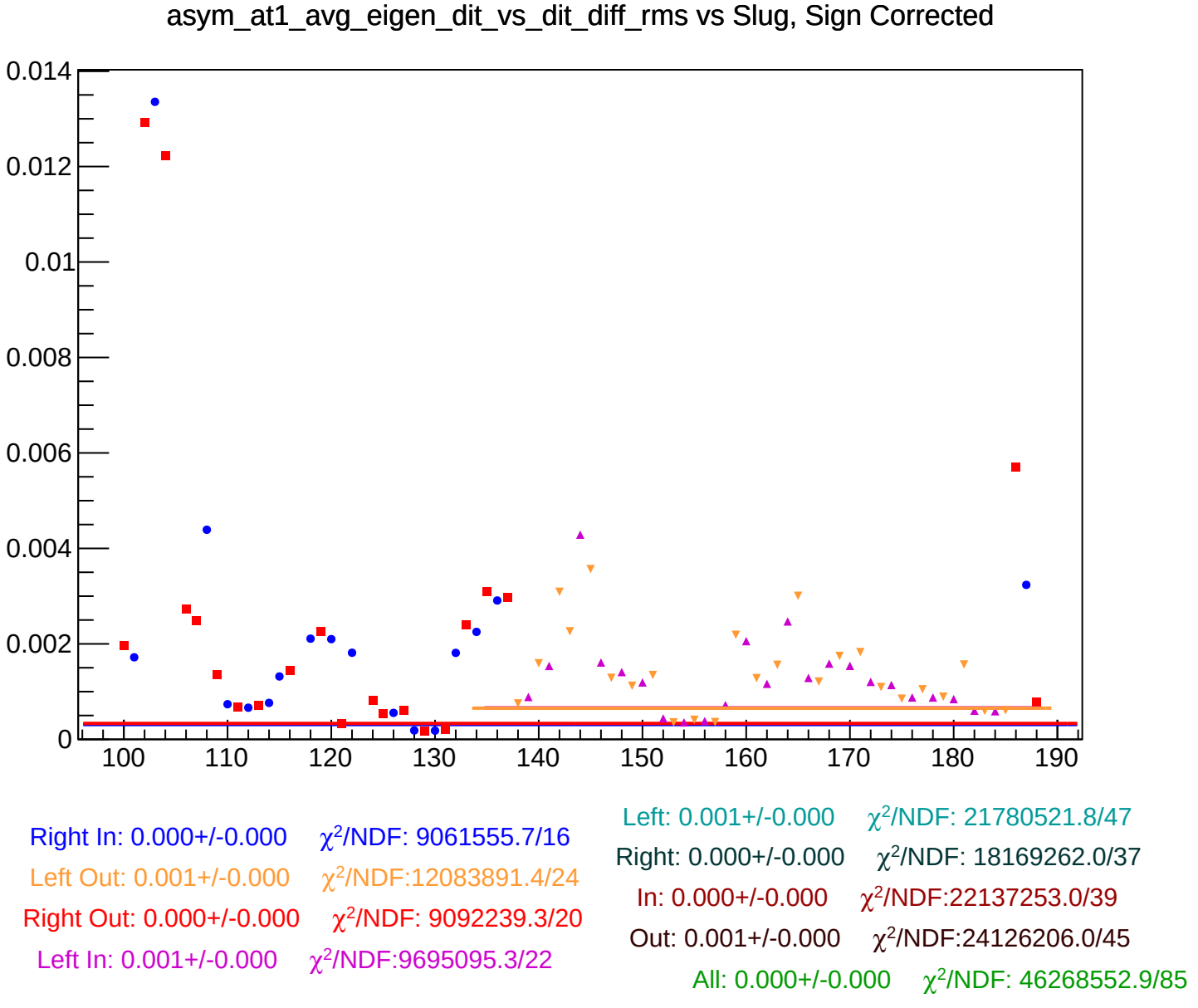
Left: 0.000+/-0.000 χ^2/NDF: 75.6/47

Right: 0.000+/-0.000 χ^2/NDF: 33.6/37

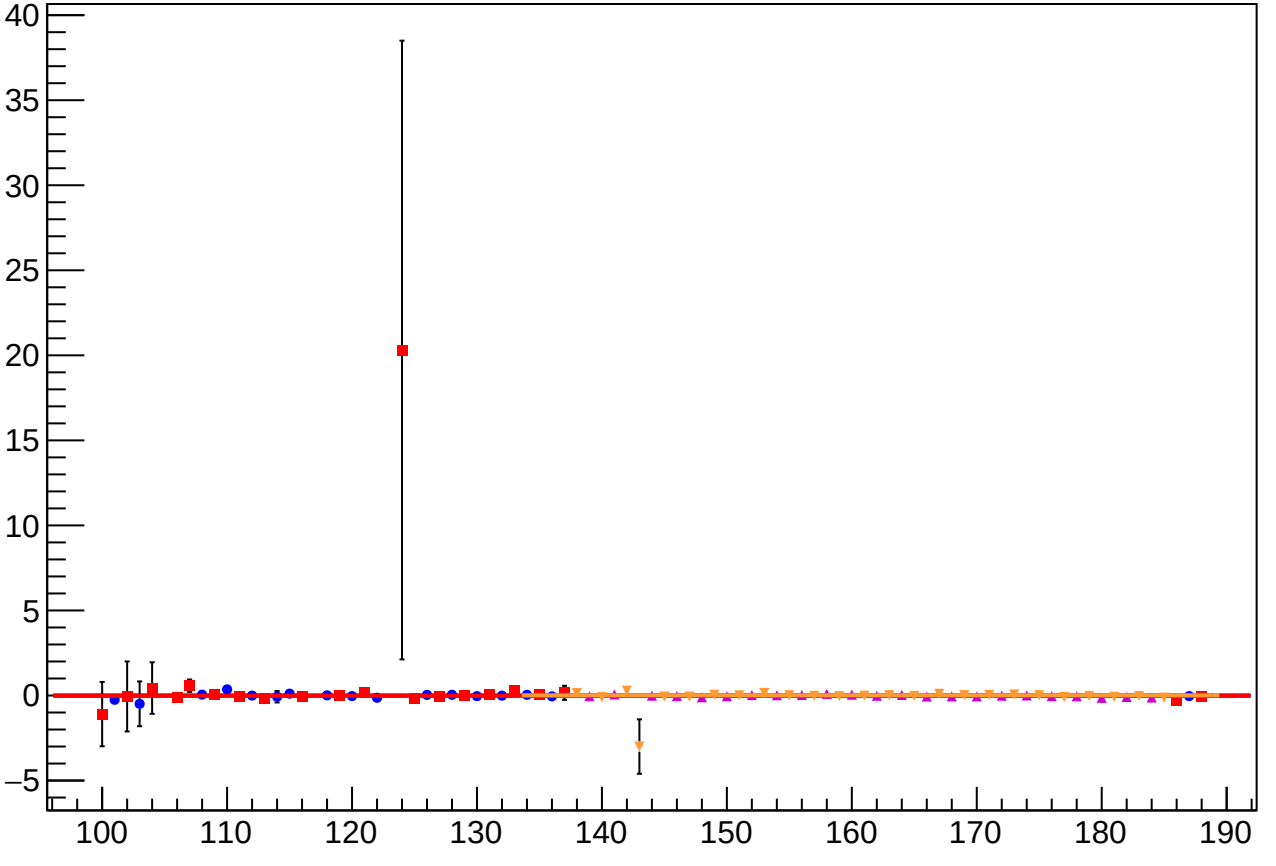
In: -0.000+/-0.000 χ^2/NDF:33.9/39

Out: 0.000+/-0.000 χ^2/NDF:71.1/45

All: 0.000+/-0.000 χ^2/NDF: 109.2/85


asym_at1_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.014
0.012
0.01
0.008
0.006
0.004
0.002
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 9061555.7/16
Left Out: 0.001+/-0.000 χ²/NDF:12083891.4/24
Right Out: 0.000+/-0.000 χ²/NDF: 9092239.3/20
Left In: 0.001+/-0.000 χ²/NDF:9695095.3/22
Left: 0.001+/-0.000 χ²/NDF: 21780521.8/47
Right: 0.000+/-0.000 χ²/NDF: 18169262.0/37
In: 0.000+/-0.000 χ²/NDF:22137253.0/39
Out: 0.001+/-0.000 χ²/NDF:24126206.0/45
All: 0.000+/-0.000 χ²/NDF: 46268552.9/85

asym_at1_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.003+/-0.026 χ^2/NDF: 11.4/16

Left Out: 0.011+/-0.012 χ^2/NDF:29.6/24

Right Out: -0.021+/-0.025 χ^2/NDF: 20.6/20

Left In: -0.018+/-0.012 χ^2/NDF:20.3/22

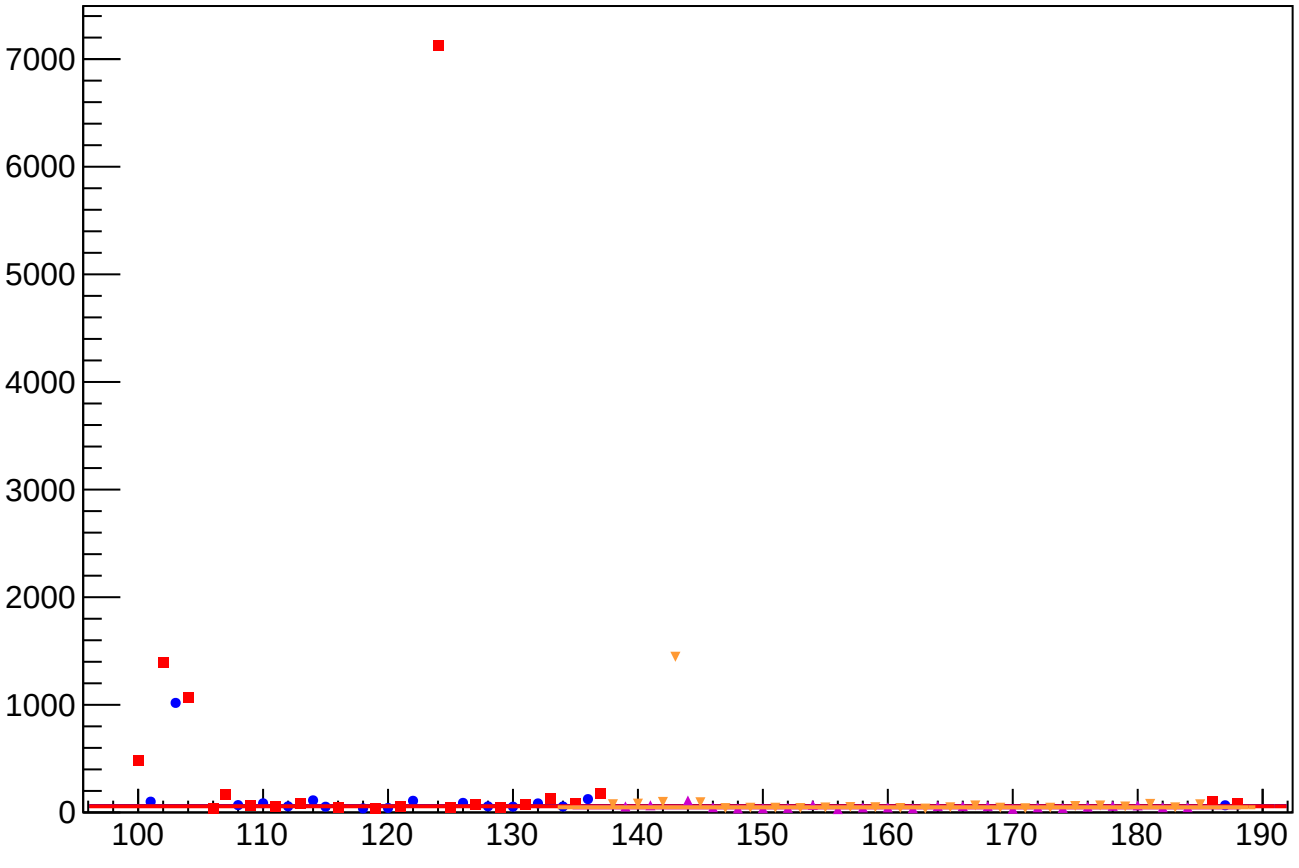
Left: -0.004+/-0.009 χ^2/NDF: 52.8/47

Right: -0.010+/-0.018 χ^2/NDF: 32.5/37

In: -0.014+/-0.011 χ^2/NDF:32.3/39

Out: 0.005+/-0.011 χ^2/NDF:51.6/45

All: -0.005+/-0.008 χ^2/NDF: 85.4/85



Right In: 60.011+/-0.019 χ^2/NDF: 2542132.8/16

Left Out: 47.902+/-0.009 χ^2/NDF:3496571.8/24

Right Out: 57.472+/-0.017 χ^2/NDF: 3887109.3/20

Left In: 46.786+/-0.009 χ^2/NDF:1949480.3/22

Left: 47.335+/-0.006 χ^2/NDF: 5454214.5/47

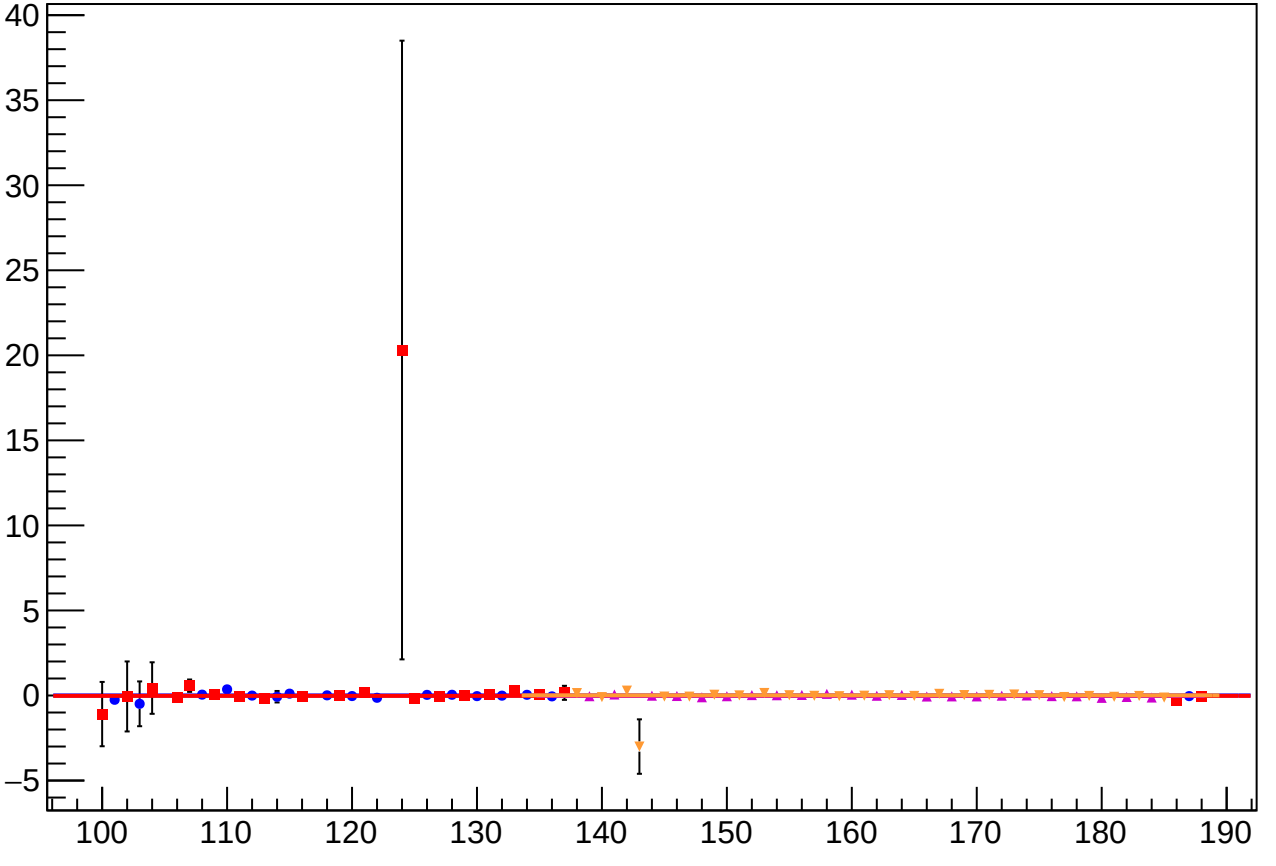
Right: 58.655+/-0.013 χ^2/NDF: 6439140.4/37

In: 49.134+/-0.008 χ^2/NDF:4905155.8/39

Out: 49.847+/-0.008 χ^2/NDF:7624185.5/45

All: 49.490+/-0.006 χ^2/NDF: 12533458.9/85

asym_at1_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.003+/-0.026 χ^2/NDF: 11.4/16

Left Out: 0.011+/-0.012 χ^2/NDF:29.6/24

Right Out: -0.021+/-0.025 χ^2/NDF: 20.6/20

Left In: -0.018+/-0.012 χ^2/NDF:20.3/22

Left: -0.004+/-0.009 χ^2/NDF: 52.8/47

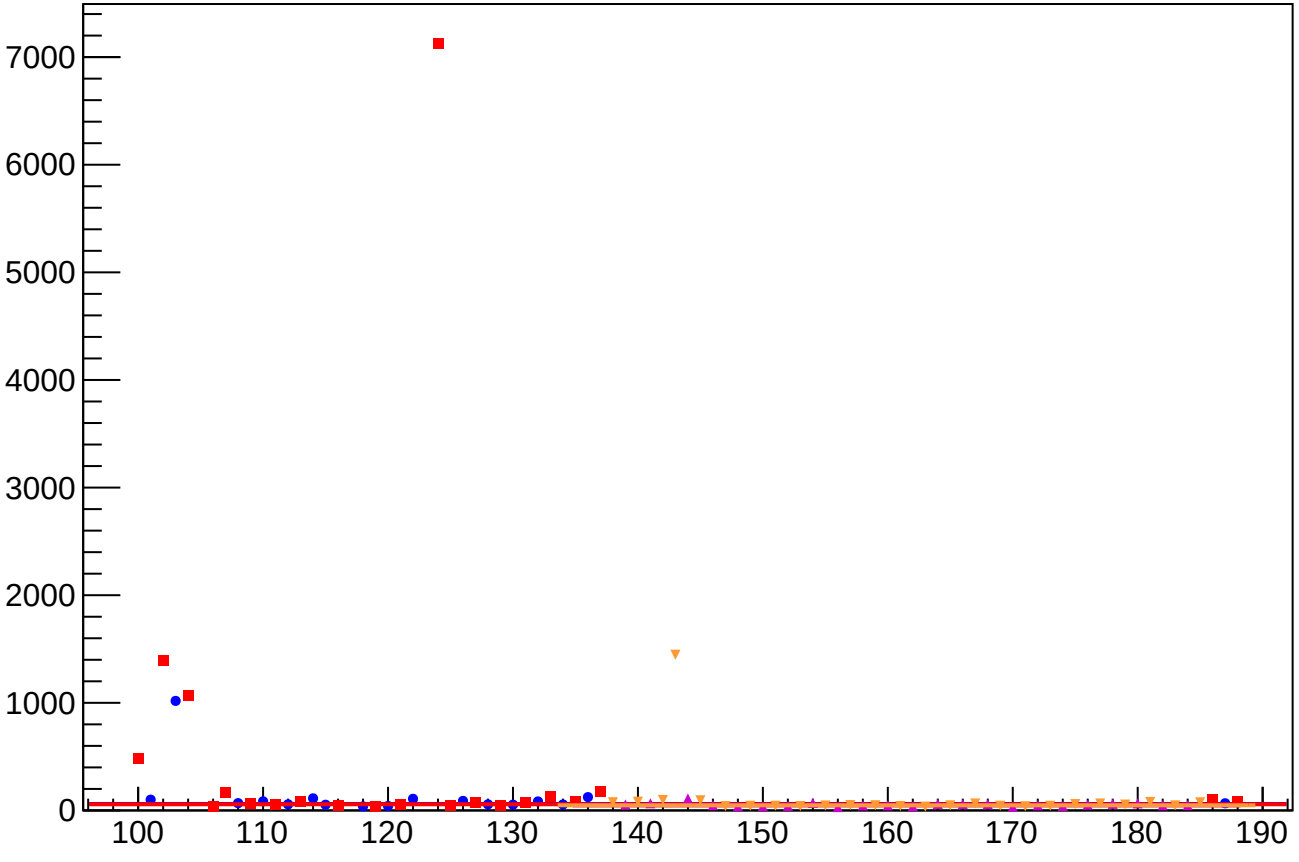
Right: -0.010+/-0.018 χ^2/NDF: 32.5/37

In: -0.014+/-0.011 χ^2/NDF:32.3/39

Out: 0.005+/-0.011 χ^2/NDF:51.6/45

All: -0.005+/-0.008 χ^2/NDF: 85.4/85

asym_at1_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 60.011+/-0.019 χ^2/NDF: 2542132.8/16

Left Out: 47.902+/-0.009 χ^2/NDF:3496571.8/24

Right Out: 57.472+/-0.017 χ^2/NDF: 3887109.3/20

Left In: 46.786+/-0.009 χ^2/NDF:1949480.3/22

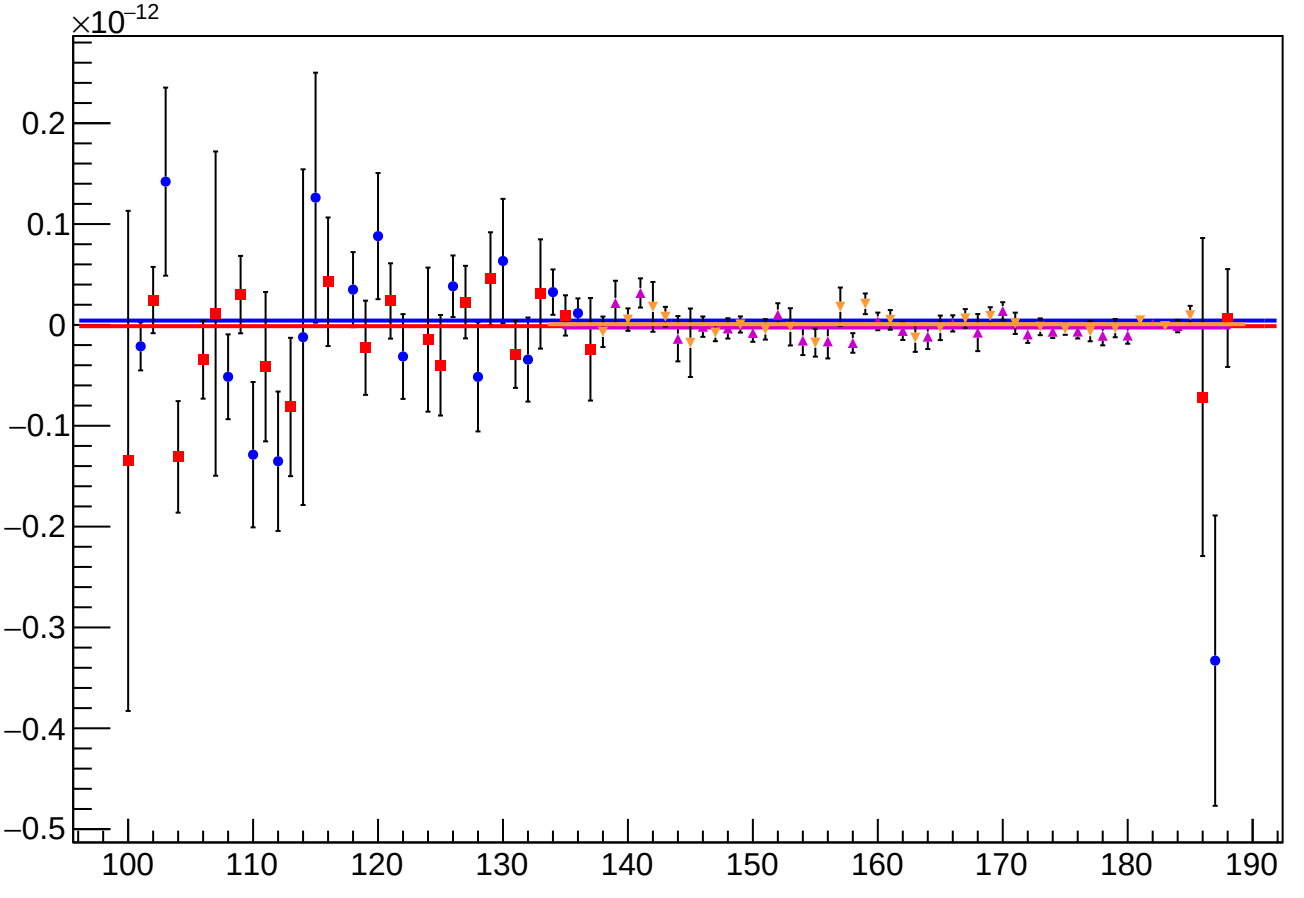
Left: 47.335+/-0.006 χ^2/NDF: 5454214.5/47

Right: 58.655+/-0.013 χ^2/NDF: 6439140.4/37

In: 49.134+/-0.008 χ^2/NDF:4905155.8/39

Out: 49.847+/-0.008 χ^2/NDF:7624185.5/45

All: 49.490+/-0.006 χ^2/NDF: 12533458.9/85



Right In: 0.000+/-0.000 χ^2/NDF: 28.1/16

Left Out: 0.000+/-0.000 χ^2/NDF:15.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 14.5/20

Left In: -0.000+/-0.000 χ^2/NDF:21.8/22

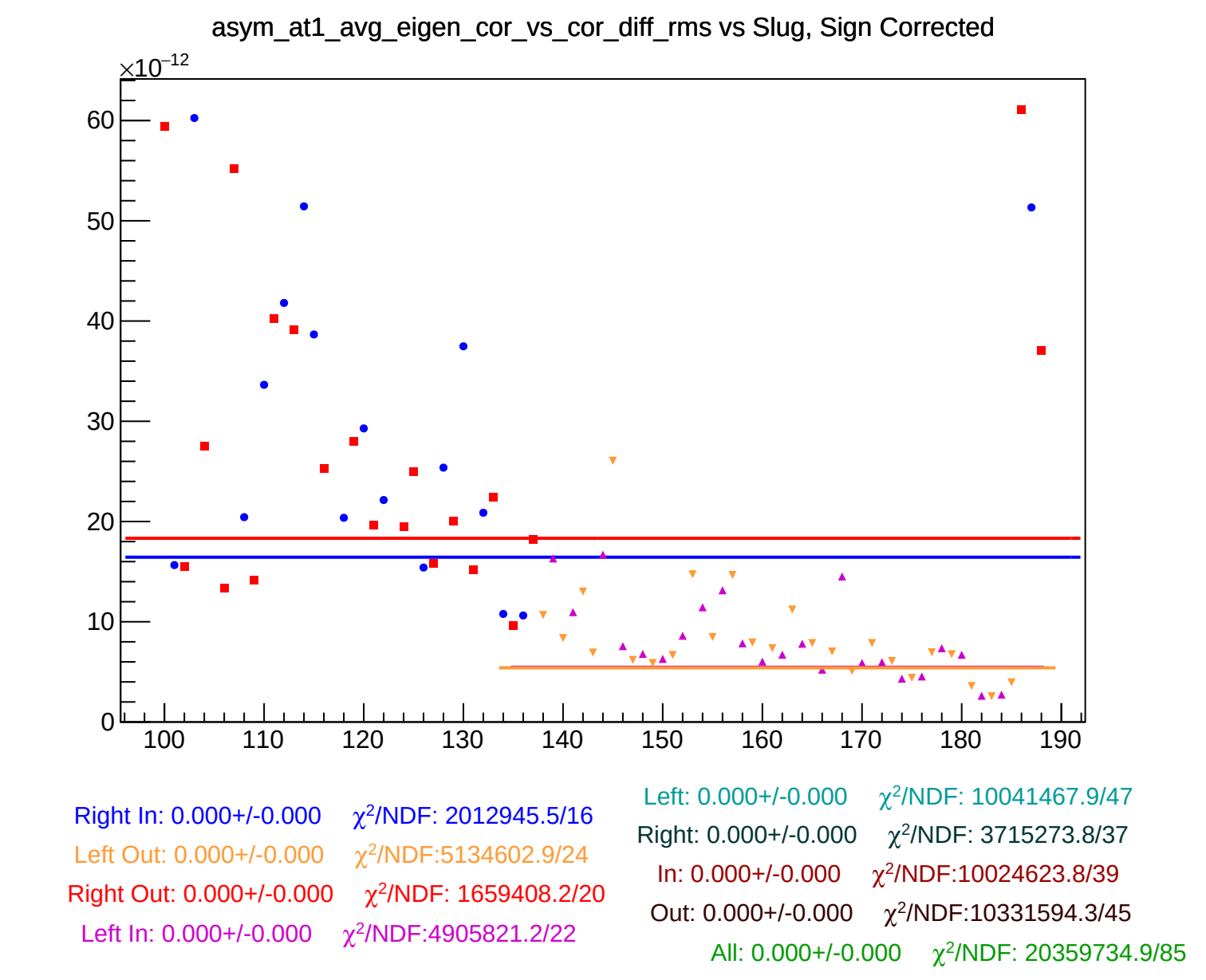
Left: -0.000+/-0.000 χ^2/NDF: 38.7/47

Right: 0.000+/-0.000 χ^2/NDF: 42.8/37

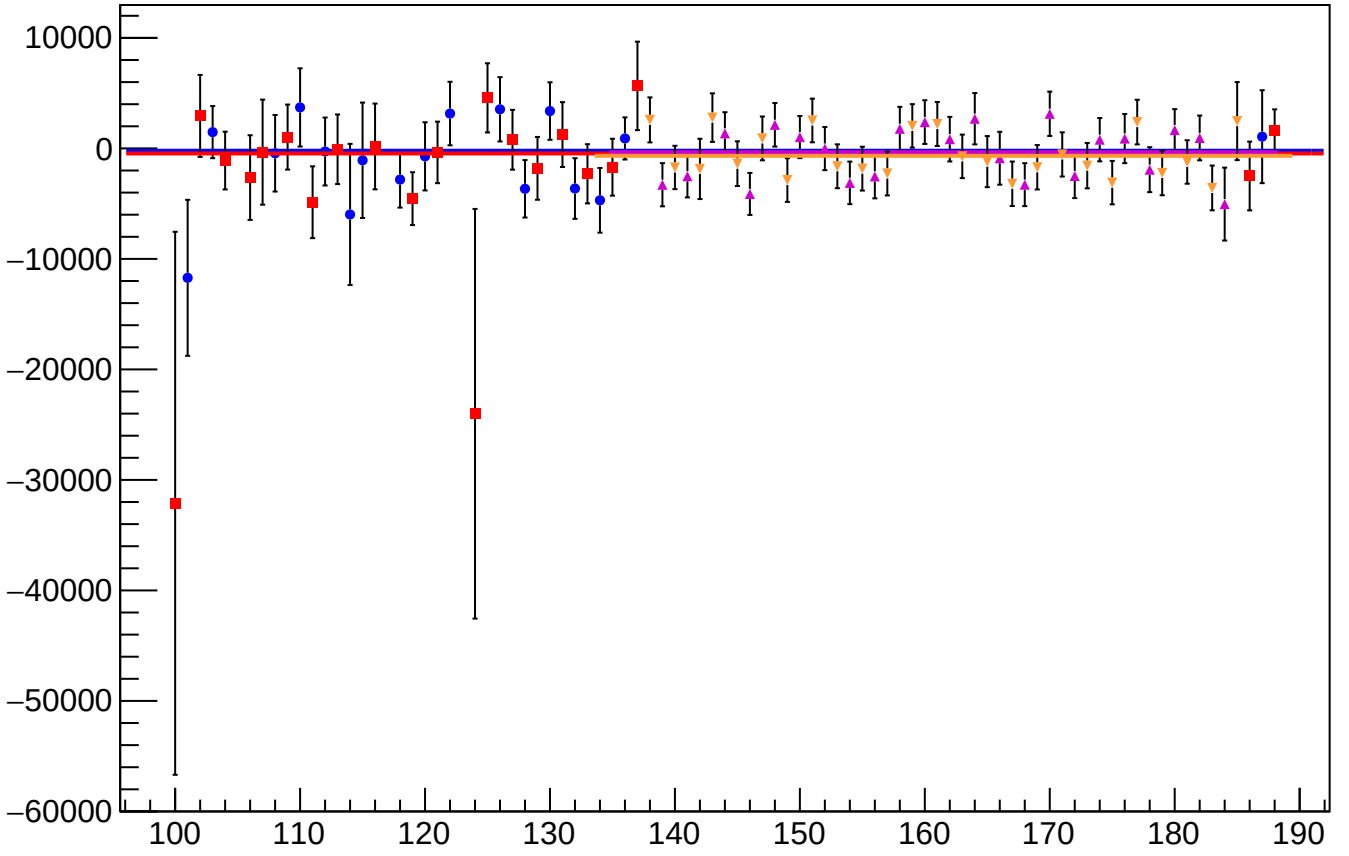
In: -0.000+/-0.000 χ^2/NDF:50.5/39

Out: 0.000+/-0.000 χ^2/NDF:29.7/45

All: -0.000+/-0.000 χ^2/NDF: 81.7/85


asym_at1_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
60
50
40
30
20
10
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 2012945.5/16
Left Out: 0.000+/-0.000 χ²/NDF:5134602.9/24
Right Out: 0.000+/-0.000 χ²/NDF: 1659408.2/20
Left In: 0.000+/-0.000 χ²/NDF:4905821.2/22
Left: 0.000+/-0.000 χ²/NDF: 10041467.9/47
Right: 0.000+/-0.000 χ²/NDF: 3715273.8/37
In: 0.000+/-0.000 χ²/NDF:10024623.8/39
Out: 0.000+/-0.000 χ²/NDF:10331594.3/45
All: 0.000+/-0.000 χ²/NDF: 20359734.9/85

reg_asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -212.413+/-724.127 χ^2/NDF: 17.3/16

Left Out: -670.041+/-412.206 χ^2/NDF:24.7/24

Right Out: -456.784+/-671.662 χ^2/NDF: 17.5/20

Left In: -342.945+/-422.712 χ^2/NDF:30.1/22

Left: -510.608+/-295.118 χ^2/NDF: 55.1/47

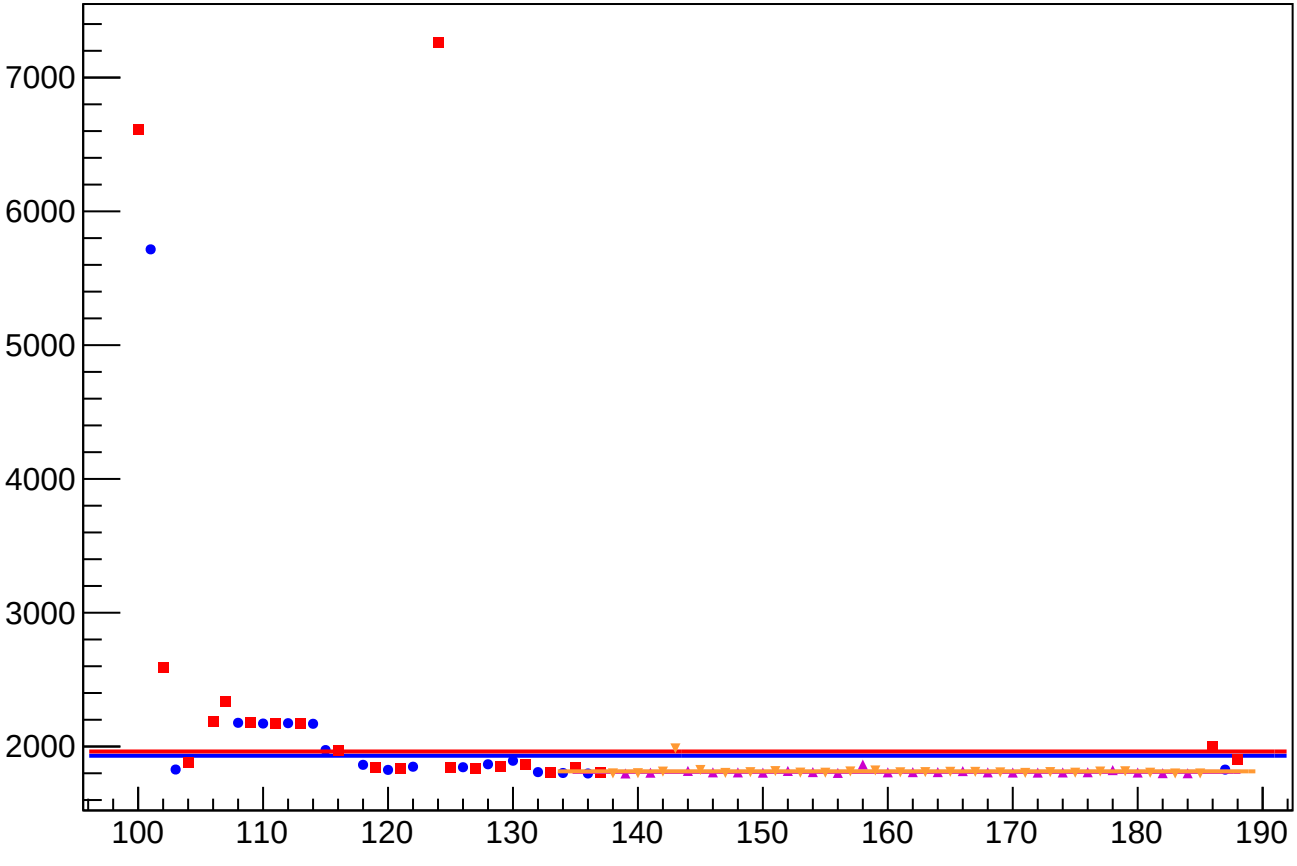
Right: -343.771+/-492.441 χ^2/NDF: 34.9/37

In: -309.769+/-365.063 χ^2/NDF:47.4/39

Out: -611.695+/-351.321 χ^2/NDF:42.3/45

All: -466.522+/-253.140 χ^2/NDF: 90.1/85

reg_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1931.048+/-0.512 χ^2/NDF: 641172.9/16

Left Out: 1814.435+/-0.291 χ^2/NDF:13102.1/24

Right Out: 1962.907+/-0.475 χ^2/NDF: 380710.6/20

Left In: 1810.457+/-0.299 χ^2/NDF:1967.2/22

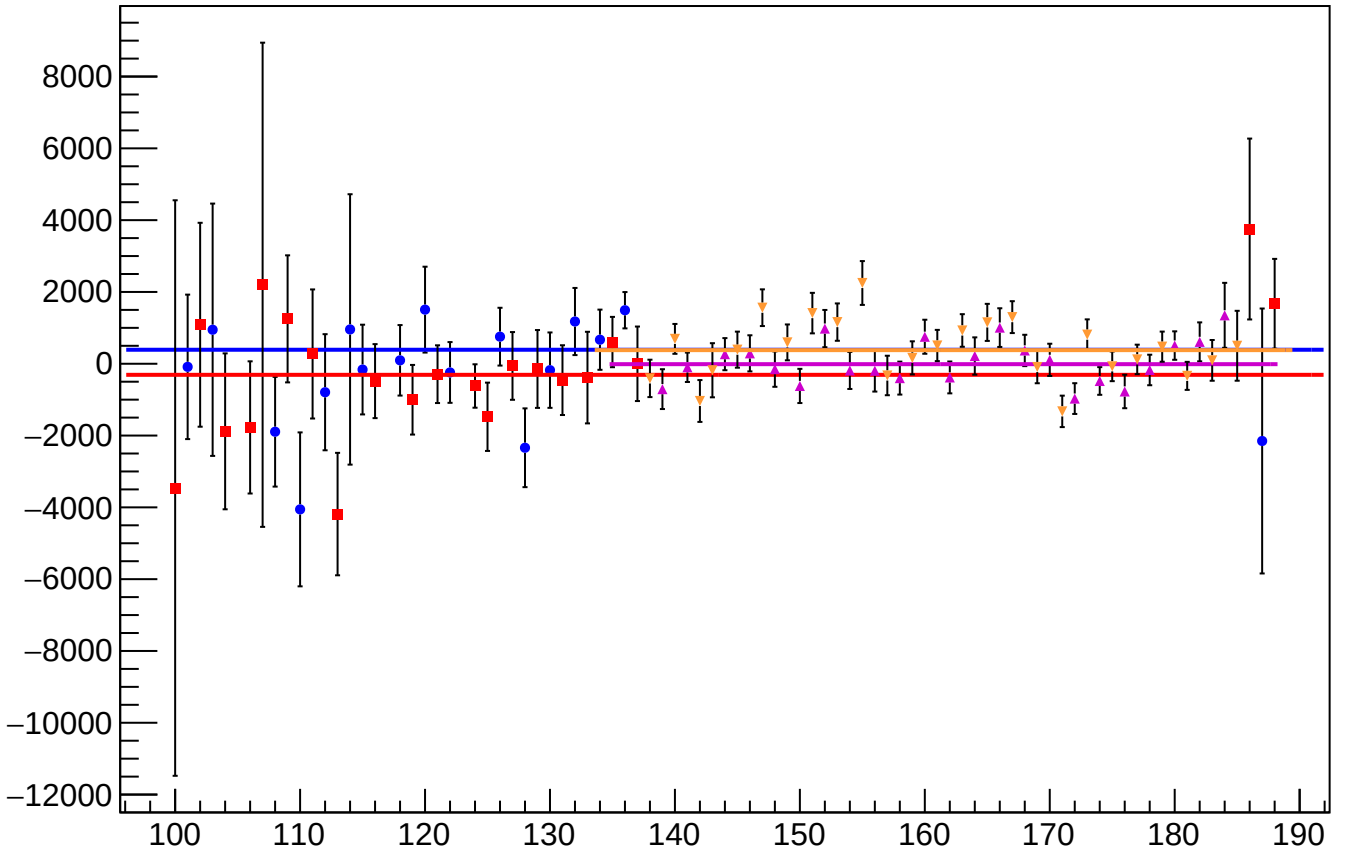
Left: 1812.496+/-0.209 χ^2/NDF: 15160.0/47

Right: 1948.173+/-0.348 χ^2/NDF: 1023964.6/37

In: 1841.107+/-0.258 χ^2/NDF:684508.8/39

Out: 1855.056+/-0.248 χ^2/NDF:464803.4/45

All: 1848.349+/-0.179 χ^2/NDF: 1150828.3/85



Right In: 390.146+/-257.942 χ^2/NDF: 21.6/16

Left Out: 379.353+/-97.013 χ^2/NDF:62.3/24

Right Out: -308.336+/-246.622 χ^2/NDF: 17.1/20

Left In: -11.527+/-98.976 χ^2/NDF:31.1/22

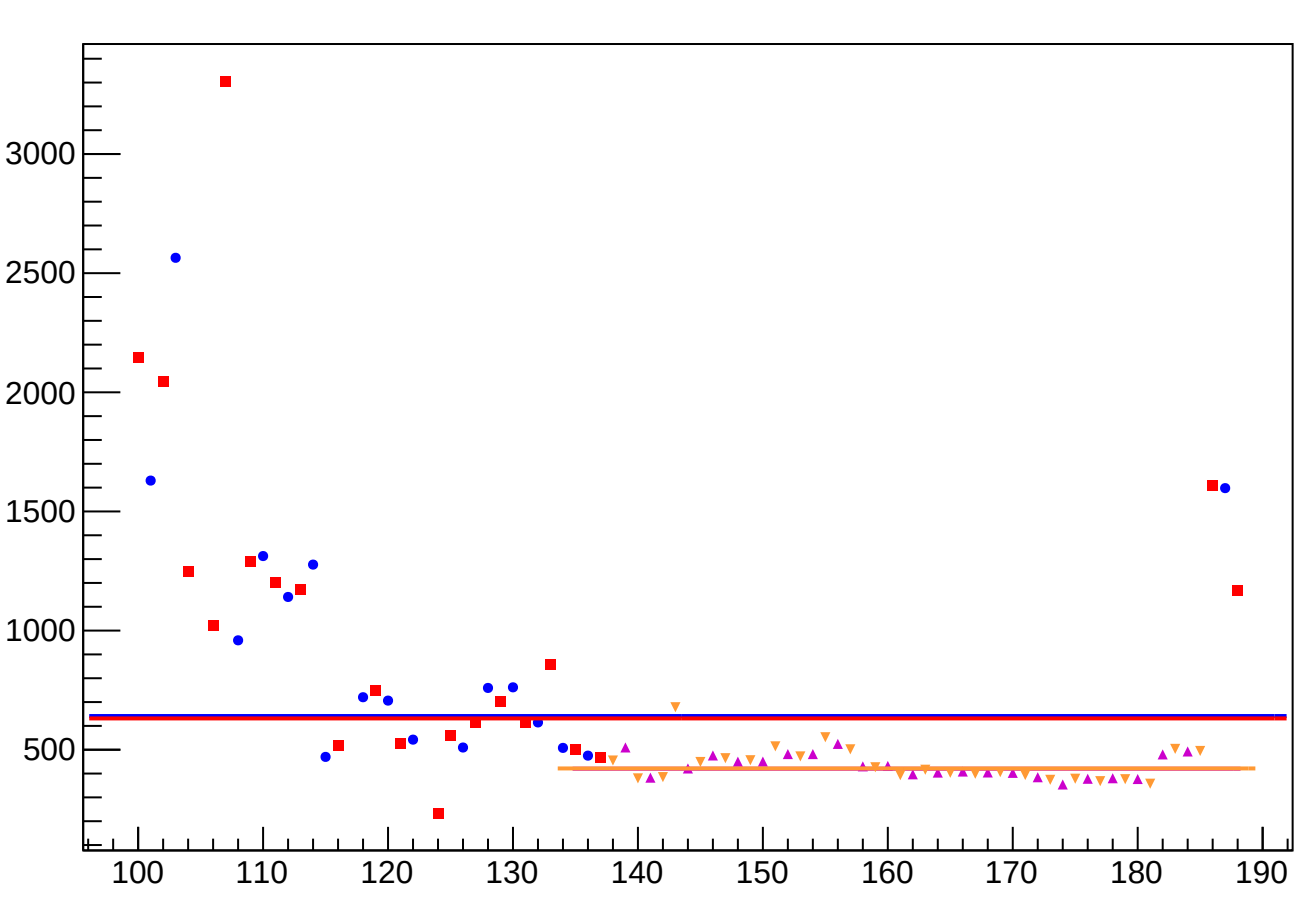
Left: 187.827+/-69.282 χ^2/NDF: 101.4/47

Right: 25.243+/-178.256 χ^2/NDF: 42.5/37

In: 40.023+/-92.407 χ^2/NDF:54.8/39

Out: 287.201+/-90.279 χ^2/NDF:86.1/45

All: 166.490+/-64.576 χ^2/NDF: 144.6/85



Right In: 641.397+/-0.182 χ^2/NDF: 2201938.3/16

Left Out: 421.417+/-0.069 χ^2/NDF:743048.1/24

Right Out: 631.351+/-0.174 χ^2/NDF: 3643629.6/20

Left In: 420.222+/-0.070 χ^2/NDF:413129.7/22

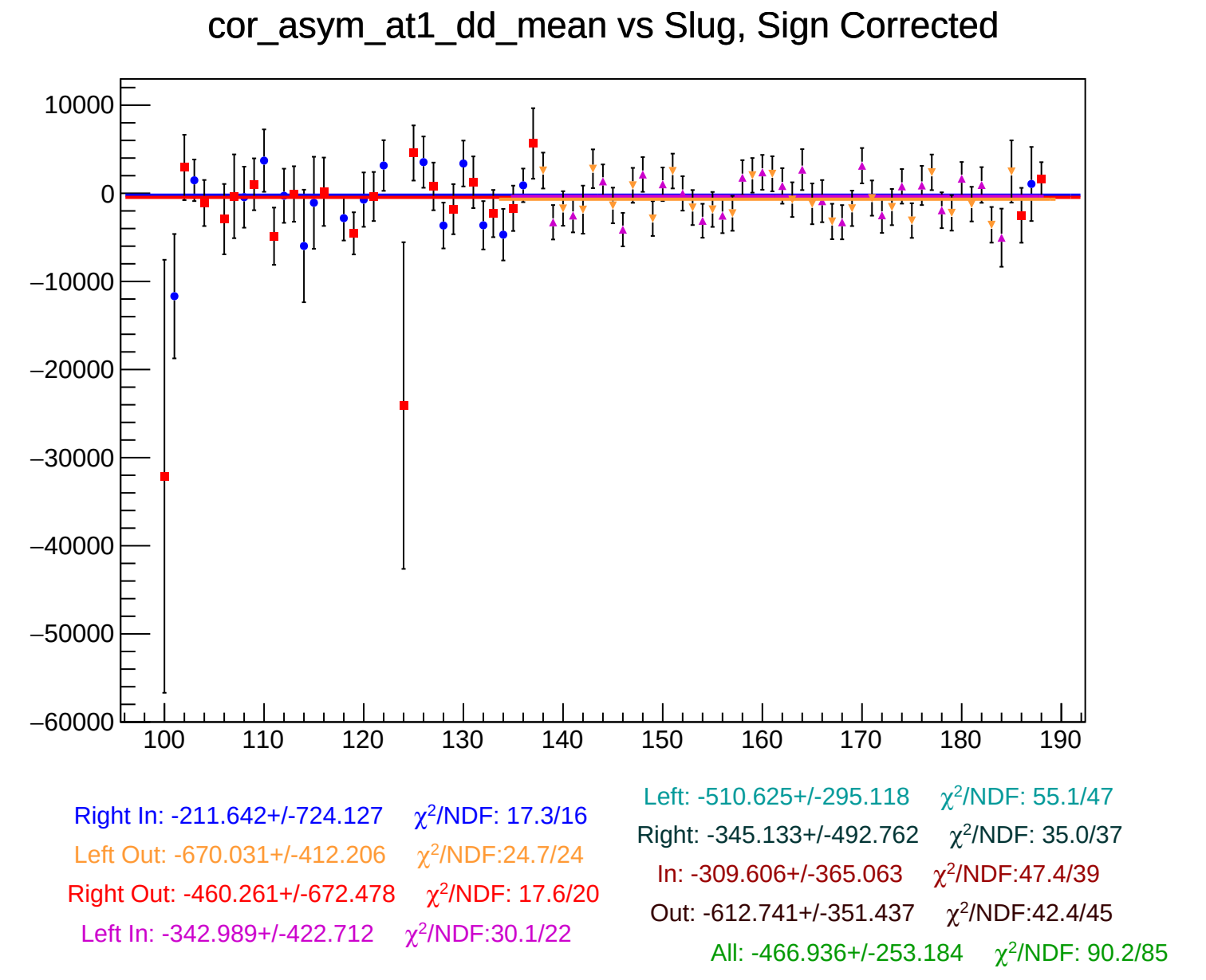
Left: 420.831+/-0.049 χ^2/NDF: 1156326.3/47

Right: 636.149+/-0.126 χ^2/NDF: 5847152.7/37

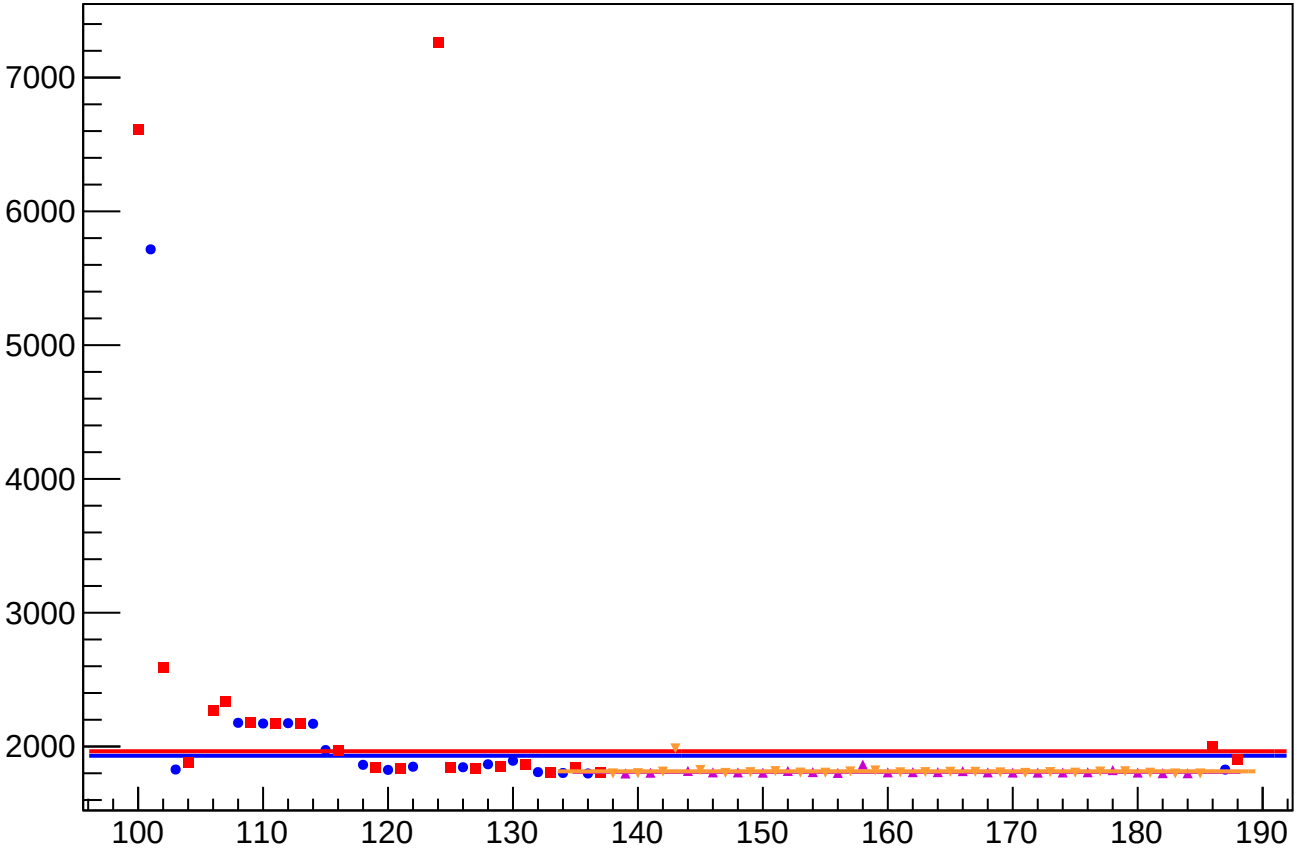
In: 448.608+/-0.065 χ^2/NDF:3896821.2/39

Out: 449.548+/-0.064 χ^2/NDF:5641694.6/45

All: 449.089+/-0.046 χ^2/NDF: 9538621.7/85


cor_asym_at1_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
−50000
−60000
100
110
120
130
140
150
160
170
180
190
Right In: -211.642+/-724.127 χ²/NDF: 17.3/16
Left Out: -670.031+/-412.206 χ²/NDF:24.7/24
Right Out: -460.261+/-672.478 χ²/NDF: 17.6/20
Left In: -342.989+/-422.712 χ²/NDF:30.1/22
Left: -510.625+/-295.118 χ²/NDF: 55.1/47
Right: -345.133+/-492.762 χ²/NDF: 35.0/37
In: -309.606+/-365.063 χ²/NDF:47.4/39
Out: -612.741+/-351.437 χ²/NDF:42.4/45
All: -466.936+/-253.184 χ²/NDF: 90.2/85

cor_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1931.048+/-0.512 χ^2/NDF: 641172.8/16

Left Out: 1814.435+/-0.291 χ^2/NDF:13102.1/24

Right Out: 1964.686+/-0.476 χ^2/NDF: 385611.0/20

Left In: 1810.457+/-0.299 χ^2/NDF:1967.2/22

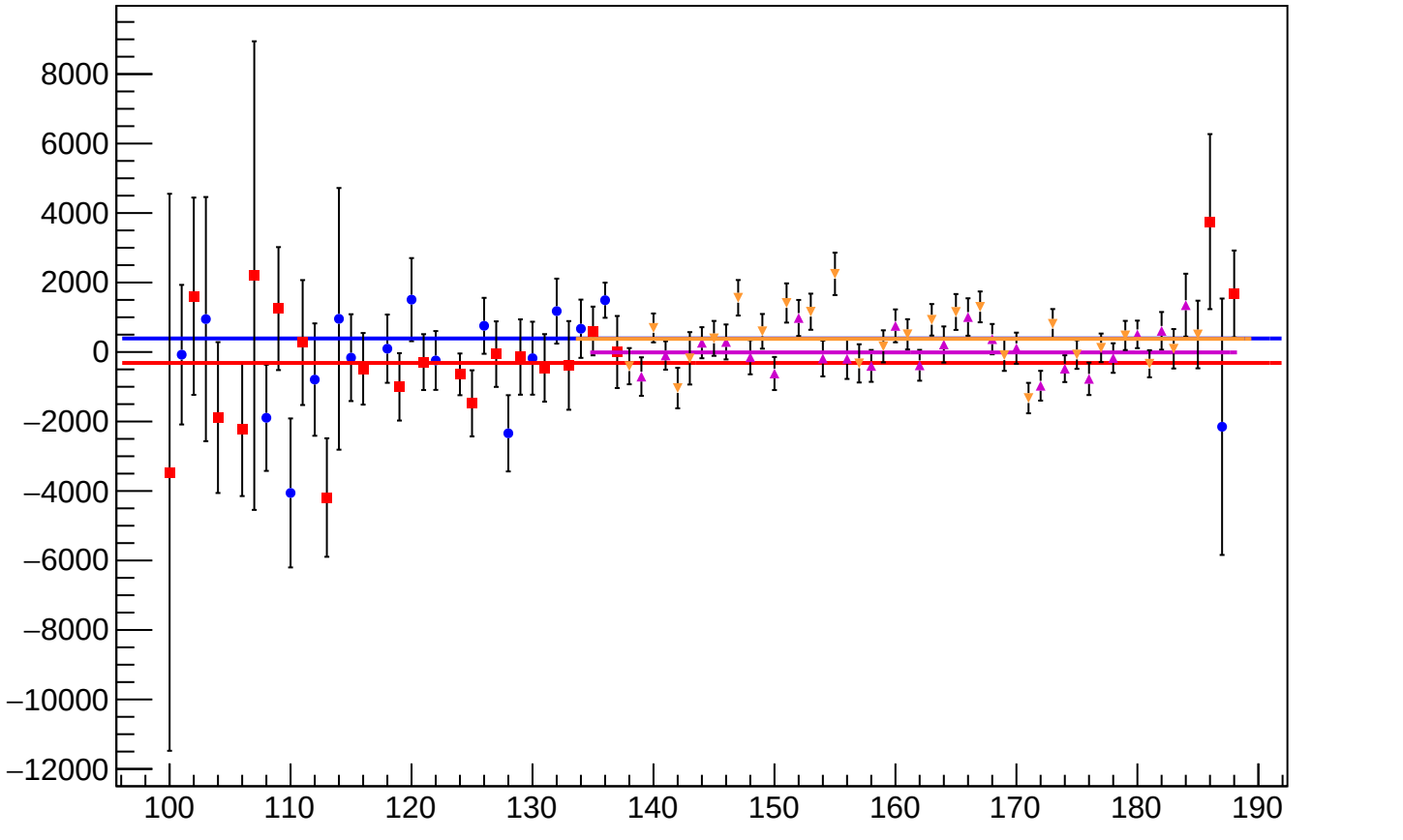
Left: 1812.496+/-0.209 χ^2/NDF: 15160.0/47

Right: 1949.109+/-0.348 χ^2/NDF: 1029101.2/37

In: 1841.107+/-0.258 χ^2/NDF:684508.7/39

Out: 1855.470+/-0.249 χ^2/NDF:471287.2/45

All: 1848.561+/-0.179 χ^2/NDF: 1157402.8/85



Right In: 390.224+/-257.931 χ^2/NDF: 21.6/16

Left Out: 379.343+/-97.014 χ^2/NDF:62.3/24

Right Out: -314.775+/-246.482 χ^2/NDF: 17.7/20

Left In: -11.539+/-98.975 χ^2/NDF:31.1/22

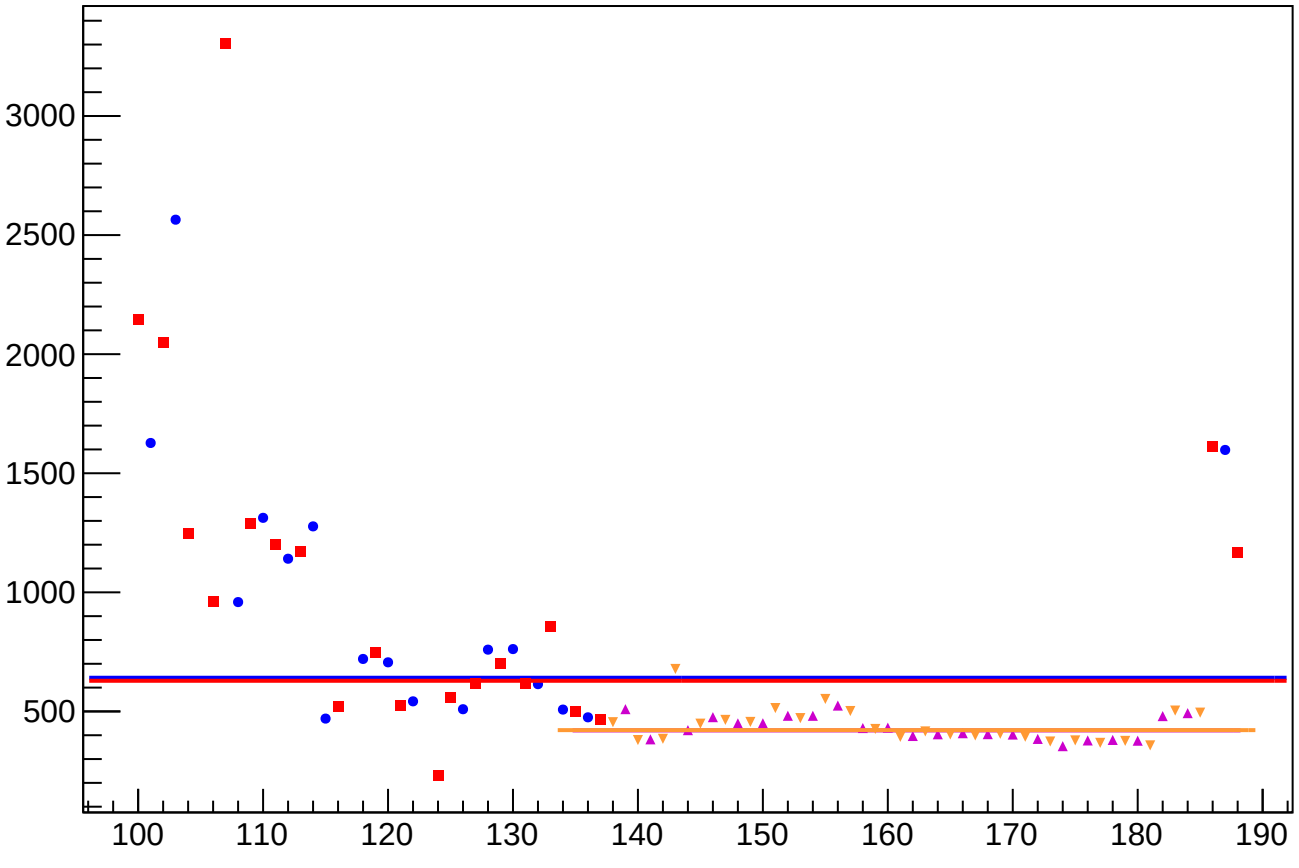
Left: 187.813+/-69.282 χ^2/NDF: 101.4/47

Right: 21.731+/-178.199 χ^2/NDF: 43.2/37

In: 40.026+/-92.406 χ^2/NDF:54.8/39

Out: 286.237+/-90.273 χ^2/NDF:86.9/45

All: 166.005+/-64.573 χ^2/NDF: 145.4/85



Right In: 641.395+/-0.182 χ^2/NDF: 2201070.9/16

Left Out: 421.420+/-0.069 χ^2/NDF:742987.6/24

Right Out: 628.680+/-0.174 χ^2/NDF: 3635507.9/20

Left In: 420.218+/-0.070 χ^2/NDF:413172.4/22

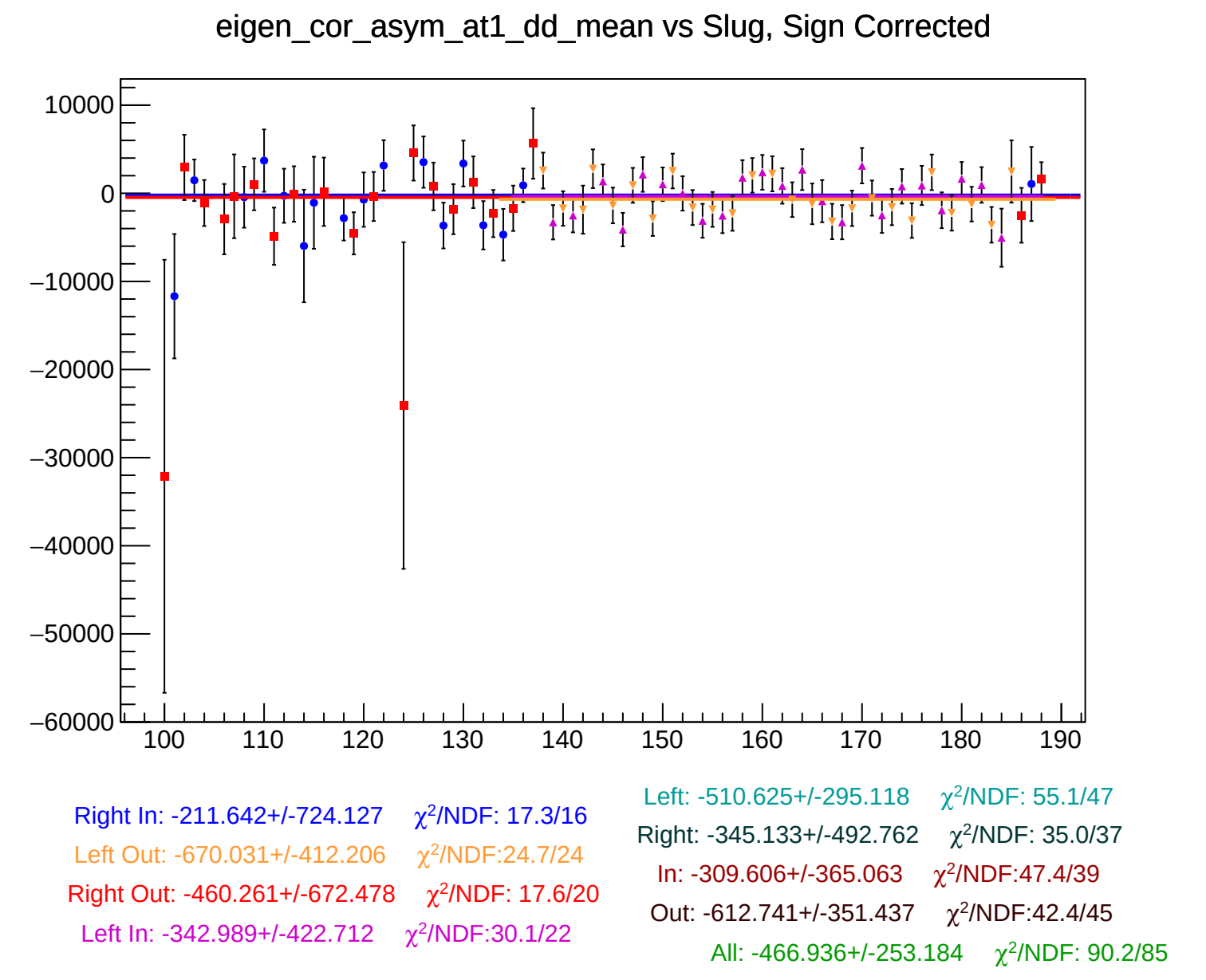
Left: 420.831+/-0.049 χ^2/NDF: 1156310.3/47

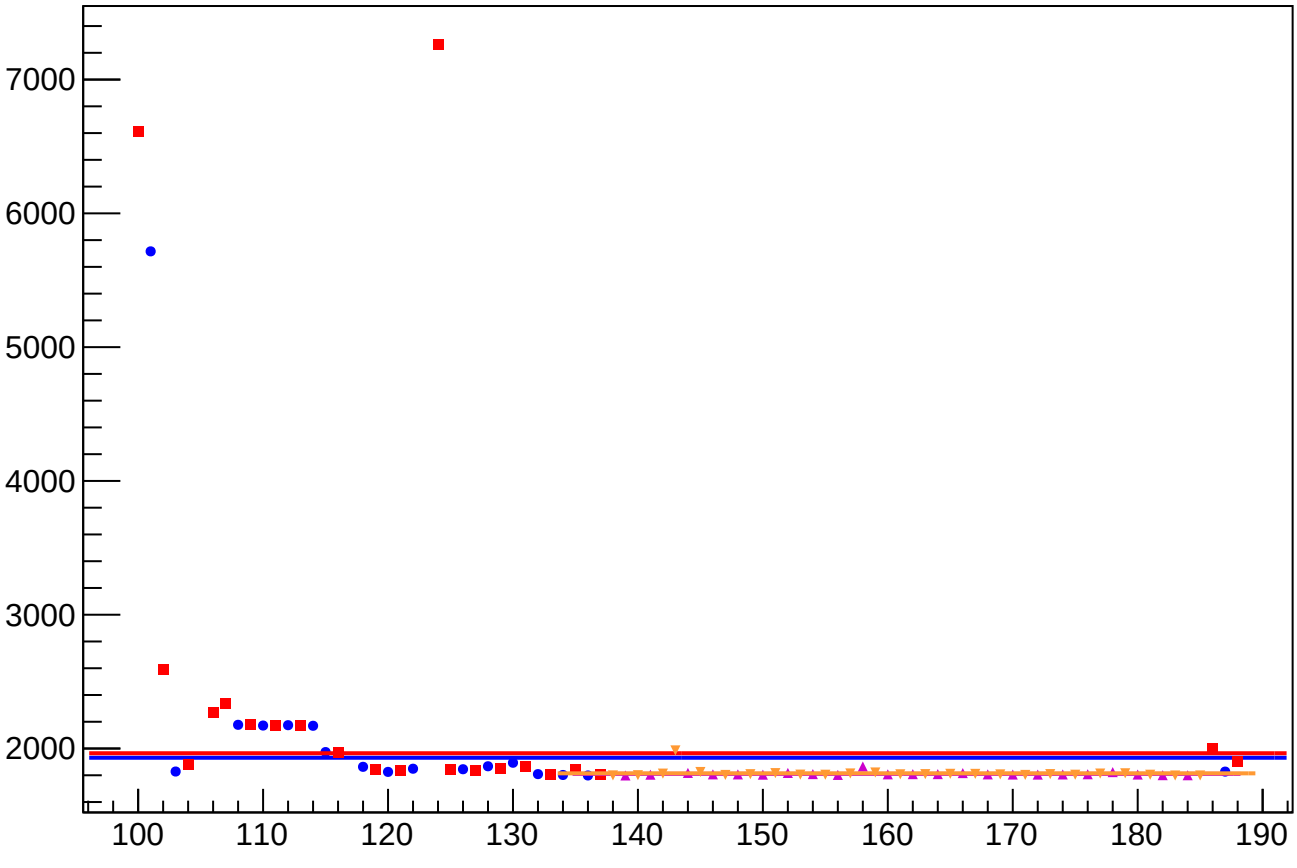
Right: 634.749+/-0.126 χ^2/NDF: 5839119.1/37

In: 448.606+/-0.065 χ^2/NDF:3896110.1/39

Out: 449.221+/-0.064 χ^2/NDF:5602942.8/45

All: 448.921+/-0.046 χ^2/NDF: 9499098.3/85


eigen_cor_asym_at1_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
−50000
−60000
100
110
120
130
140
150
160
170
180
190
Right In: -211.642+/-724.127 χ²/NDF: 17.3/16
Left Out: -670.031+/-412.206 χ²/NDF:24.7/24
Right Out: -460.261+/-672.478 χ²/NDF: 17.6/20
Left In: -342.989+/-422.712 χ²/NDF:30.1/22
Left: -510.625+/-295.118 χ²/NDF: 55.1/47
Right: -345.133+/-492.762 χ²/NDF: 35.0/37
In: -309.606+/-365.063 χ²/NDF:47.4/39
Out: -612.741+/-351.437 χ²/NDF:42.4/45
All: -466.936+/-253.184 χ²/NDF: 90.2/85



Right In: 1931.048+/-0.512 χ^2/NDF: 641172.8/16

Left Out: 1814.435+/-0.291 χ^2/NDF:13102.1/24

Right Out: 1964.686+/-0.476 χ^2/NDF: 385611.0/20

Left In: 1810.457+/-0.299 χ^2/NDF:1967.2/22

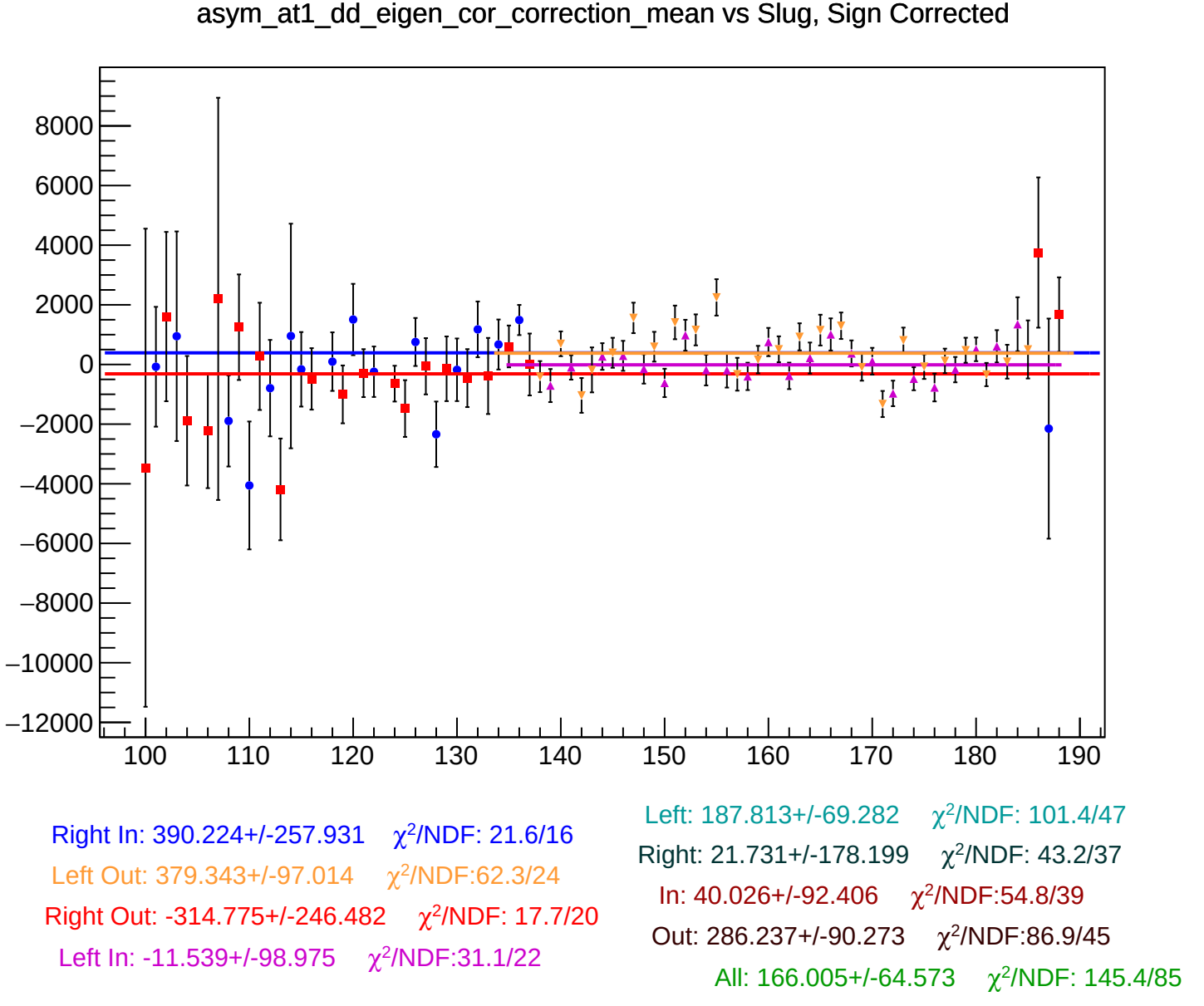
Left: 1812.496+/-0.209 χ^2/NDF: 15160.0/47

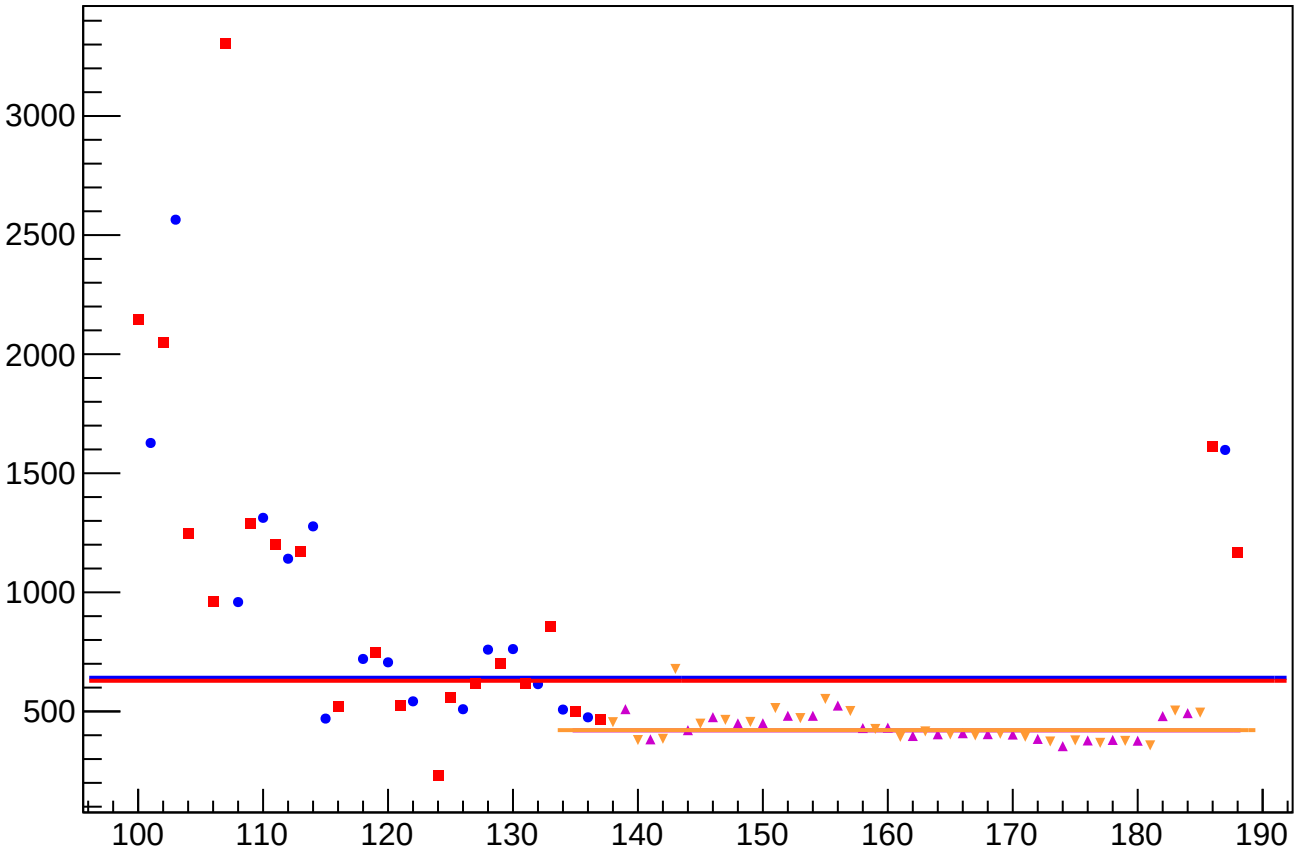
Right: 1949.109+/-0.348 χ^2/NDF: 1029101.2/37

In: 1841.107+/-0.258 χ^2/NDF:684508.7/39

Out: 1855.470+/-0.249 χ^2/NDF:471287.2/45

All: 1848.561+/-0.179 χ^2/NDF: 1157402.8/85


asym_at1_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
100
110
120
130
140
150
160
170
180
190
Right In: 390.224+/-257.931 χ²/NDF: 21.6/16
Left Out: 379.343+/-97.014 χ²/NDF:62.3/24
Right Out: -314.775+/-246.482 χ²/NDF: 17.7/20
Left In: -11.539+/-98.975 χ²/NDF:31.1/22
Left: 187.813+/-69.282 χ²/NDF: 101.4/47
Right: 21.731+/-178.199 χ²/NDF: 43.2/37
In: 40.026+/-92.406 χ²/NDF:54.8/39
Out: 286.237+/-90.273 χ²/NDF:86.9/45
All: 166.005+/-64.573 χ²/NDF: 145.4/85



Right In: 641.395+/-0.182 χ^2/NDF: 2201070.9/16

Left Out: 421.420+/-0.069 χ^2/NDF:742987.6/24

Right Out: 628.680+/-0.174 χ^2/NDF: 3635507.9/20

Left In: 420.218+/-0.070 χ^2/NDF:413172.4/22

Left: 420.831+/-0.049 χ^2/NDF: 1156310.3/47

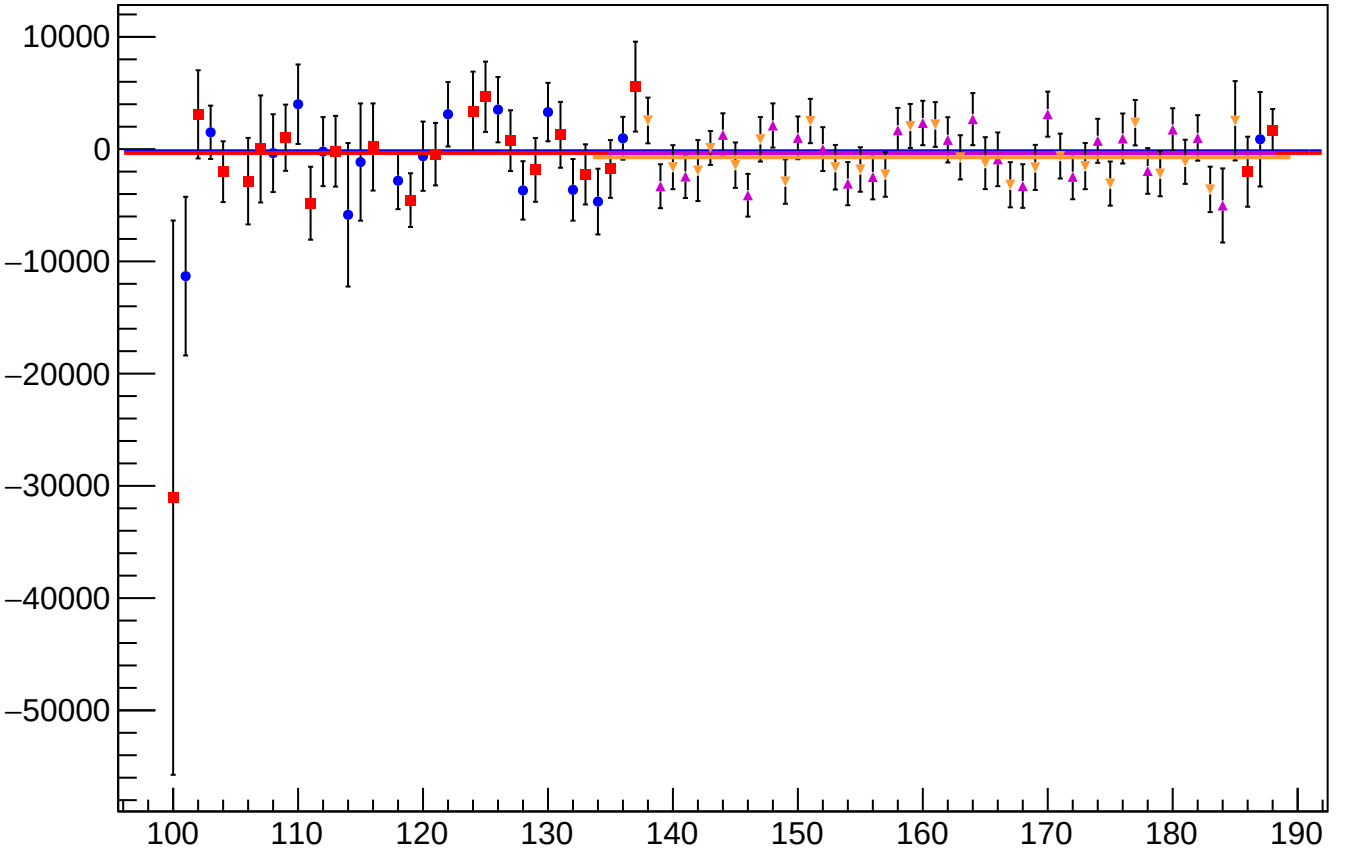
Right: 634.749+/-0.126 χ^2/NDF: 5839119.1/37

In: 448.606+/-0.065 χ^2/NDF:3896110.1/39

Out: 449.221+/-0.064 χ^2/NDF:5602942.8/45

All: 448.921+/-0.046 χ^2/NDF: 9499098.3/85

dit_asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -187.726+/-724.901 χ^2/NDF: 17.2/16

Left Out: -724.527+/-404.417 χ^2/NDF:22.2/24

Right Out: -337.604+/-663.785 χ^2/NDF: 17.0/20

Left In: -341.223+/-422.858 χ^2/NDF:29.6/22

Left: -541.415+/-292.268 χ^2/NDF: 52.3/47

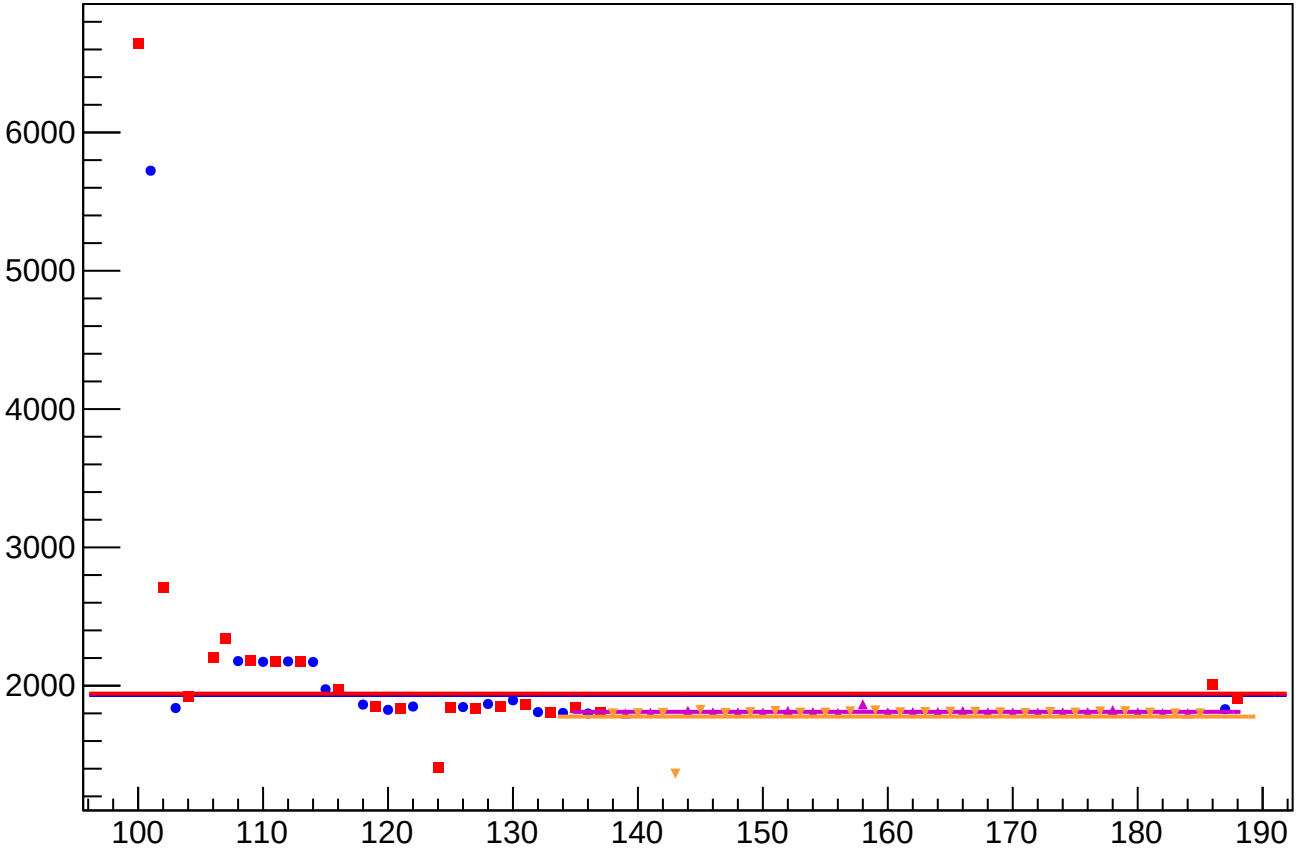
Right: -269.248+/-489.550 χ^2/NDF: 34.2/37

In: -302.252+/-365.256 χ^2/NDF:46.8/39

Out: -619.783+/-345.366 χ^2/NDF:39.4/45

All: -469.898+/-250.948 χ^2/NDF: 86.7/85

dit_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1932.836+/-0.513 χ^2/NDF: 641035.1/16

Left Out: 1776.721+/-0.286 χ^2/NDF:161294.8/24

Right Out: 1942.781+/-0.469 χ^2/NDF: 277836.4/20

Left In: 1811.084+/-0.299 χ^2/NDF:1965.1/22

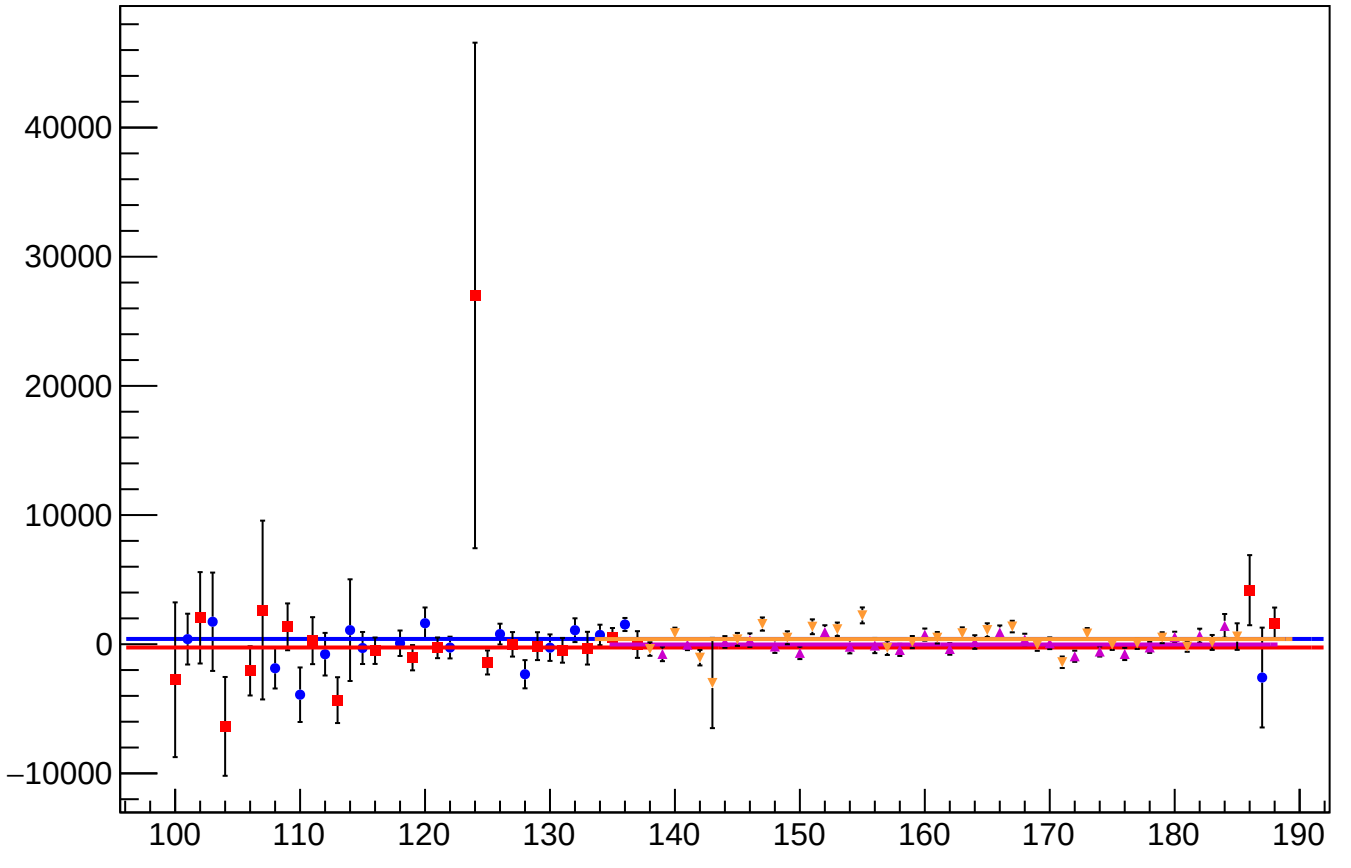
Left: 1793.137+/-0.207 χ^2/NDF: 170157.7/47

Right: 1938.245+/-0.346 χ^2/NDF: 919076.3/37

In: 1841.995+/-0.258 χ^2/NDF:685095.7/39

Out: 1821.675+/-0.244 χ^2/NDF:530417.6/45

All: 1831.267+/-0.177 χ^2/NDF: 1218781.1/85



Right In: 407.955+/-256.185 χ^2/NDF: 22.1/16

Left Out: 398.269+/-99.165 χ^2/NDF:60.5/24

Right Out: -253.995+/-271.435 χ^2/NDF: 21.0/20

Left In: -21.453+/-100.264 χ^2/NDF:30.8/22

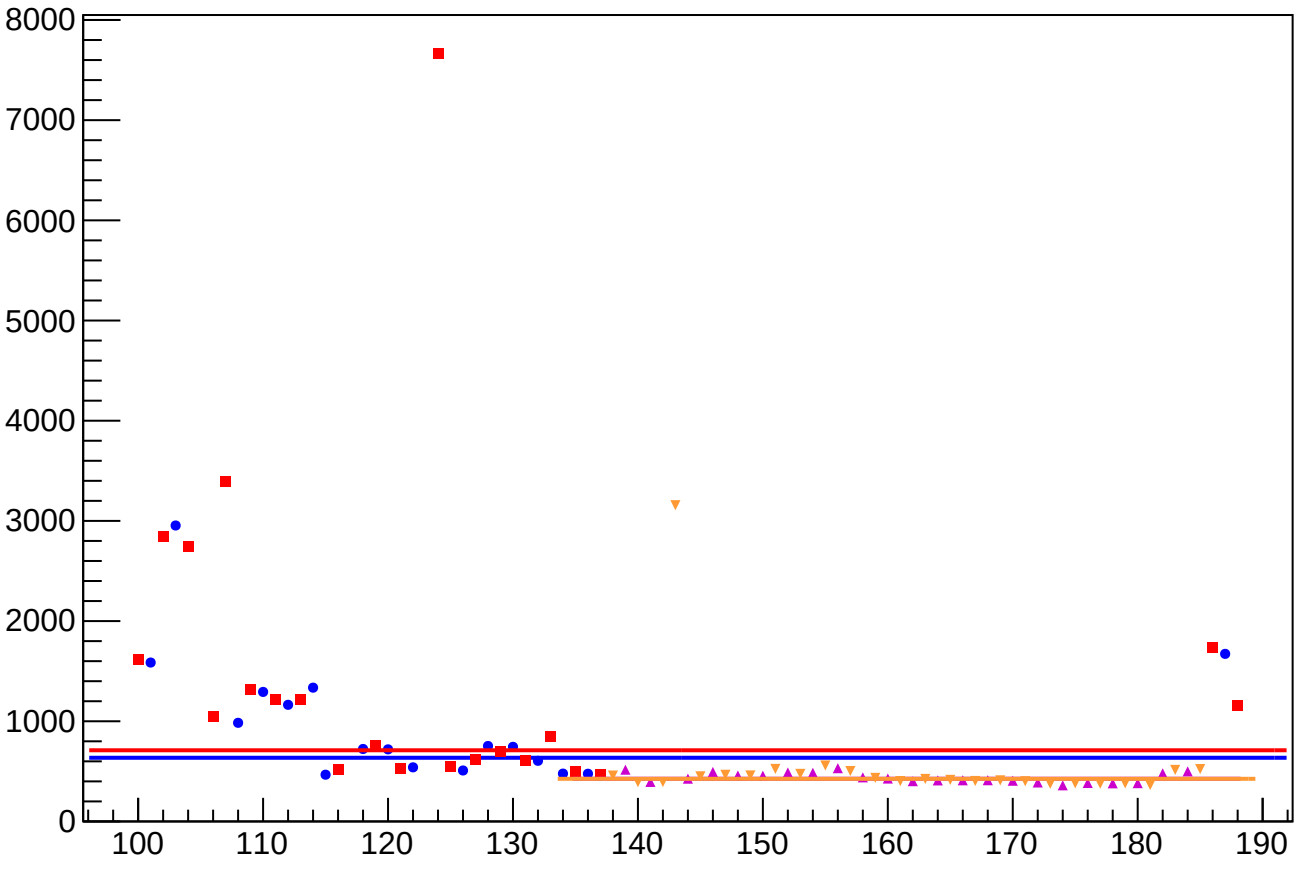
Left: 190.721+/-70.506 χ^2/NDF: 100.2/47

Right: 96.097+/-186.308 χ^2/NDF: 46.2/37

In: 35.585+/-93.368 χ^2/NDF:55.4/39

Out: 321.462+/-93.143 χ^2/NDF:86.6/45

All: 178.868+/-65.942 χ^2/NDF: 146.6/85



Right In: 635.717+/-0.181 χ^2/NDF: 2379116.9/16

Left Out: 425.697+/-0.070 χ^2/NDF:1718145.2/24

Right Out: 710.542+/-0.192 χ^2/NDF: 3646909.2/20

Left In: 426.144+/-0.071 χ^2/NDF:415411.7/22

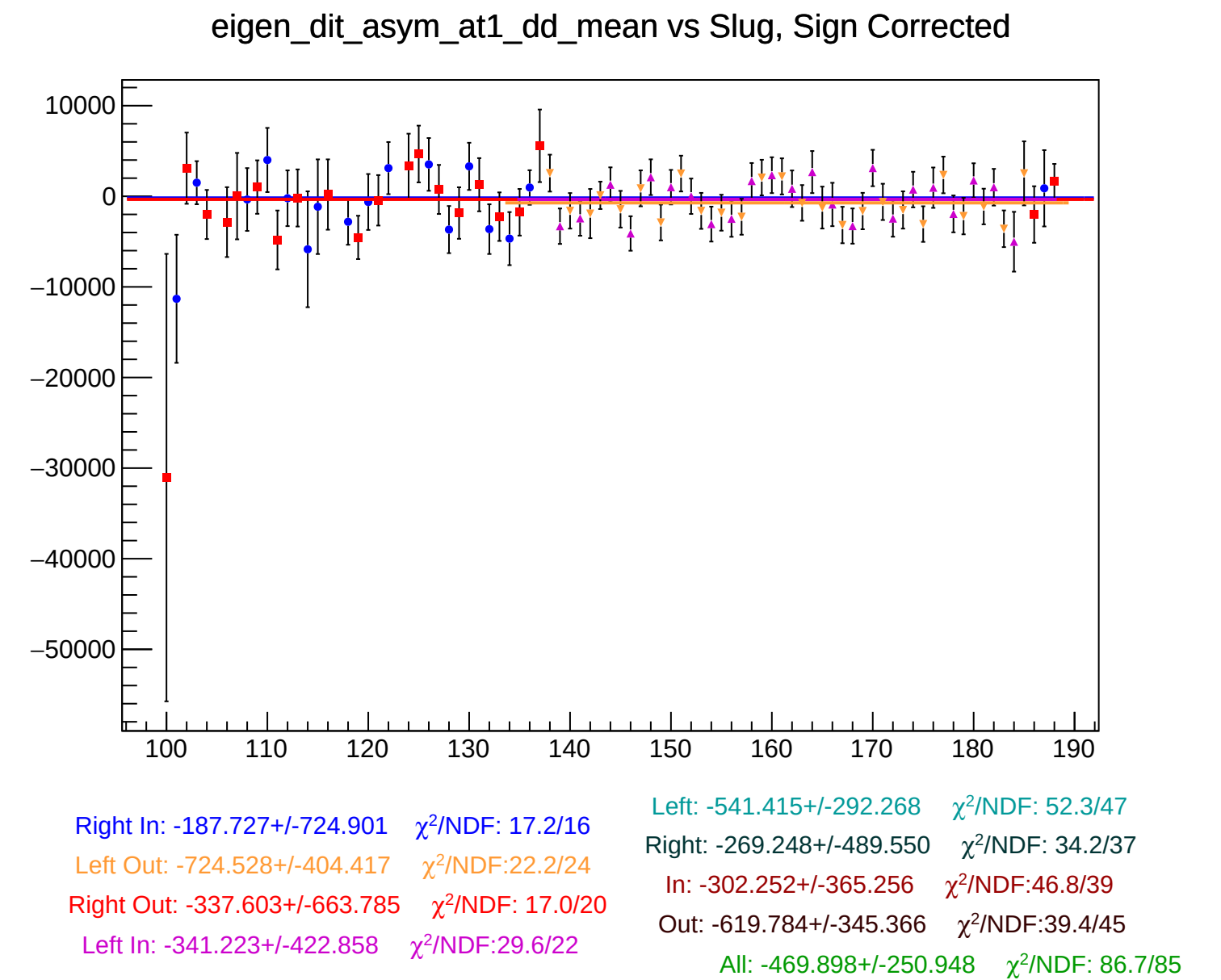
Left: 425.918+/-0.050 χ^2/NDF: 2133577.1/47

Right: 670.968+/-0.132 χ^2/NDF: 6106407.3/37

In: 453.981+/-0.066 χ^2/NDF:3955165.3/39

Out: 459.238+/-0.066 χ^2/NDF:7308204.0/45

All: 456.616+/-0.047 χ^2/NDF: 11266546.8/85


eigen_dit_asym_at1_dd_mean vs Slug, Sign Corrected
10000
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−10000
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−30000
−40000
−50000
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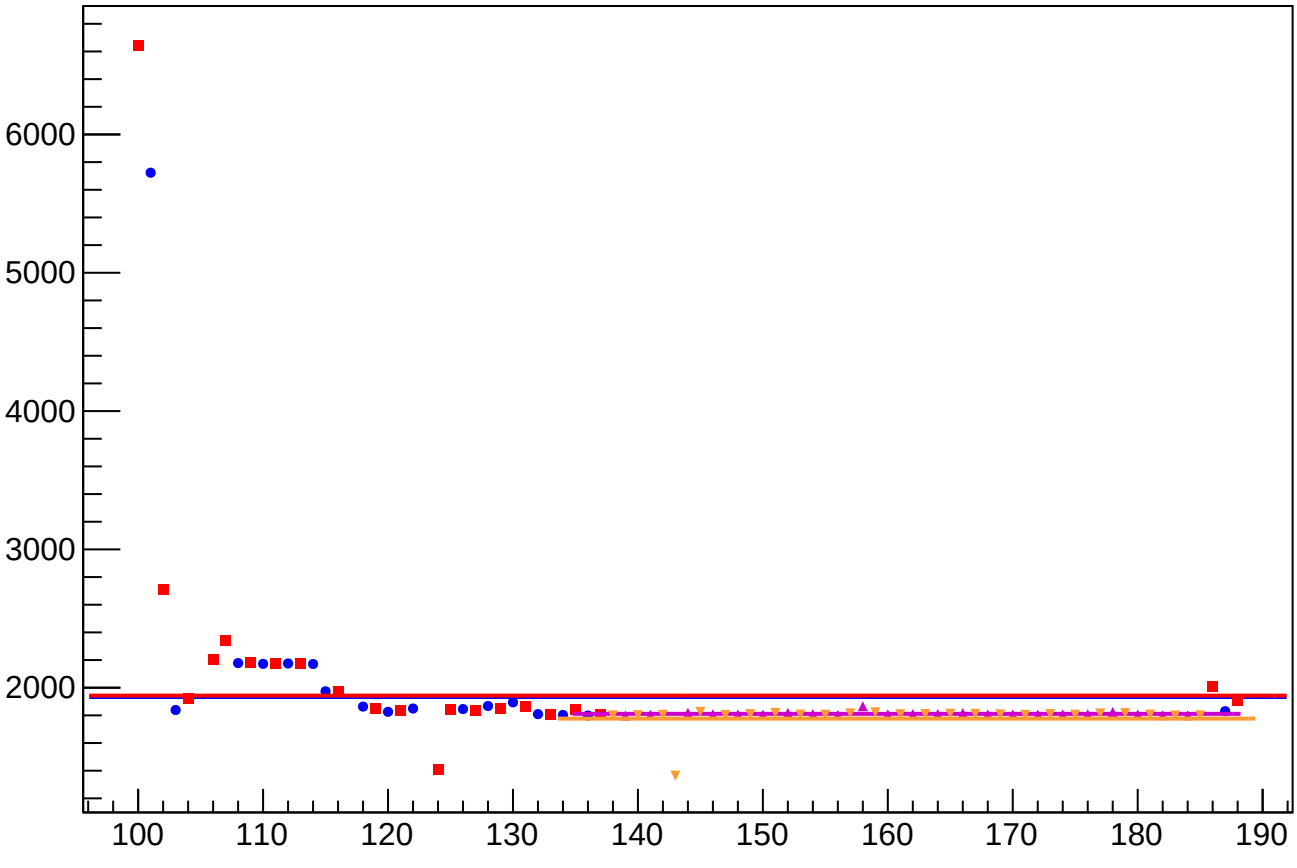
170
180
190
Right In: -187.727+/-724.901 χ²/NDF: 17.2/16
Left Out: -724.528+/-404.417 χ²/NDF:22.2/24
Right Out: -337.603+/-663.785 χ²/NDF: 17.0/20
Left In: -341.223+/-422.858 χ²/NDF:29.6/22
Left: -541.415+/-292.268 χ²/NDF: 52.3/47
Right: -269.248+/-489.550 χ²/NDF: 34.2/37
In: -302.252+/-365.256 χ²/NDF:46.8/39
Out: -619.784+/-345.366 χ²/NDF:39.4/45
All: -469.898+/-250.948 χ²/NDF: 86.7/85



Right In: 1932.836+/-0.513 χ^2/NDF: 641035.2/16

Left Out: 1776.721+/-0.286 χ^2/NDF:161294.8/24

Right Out: 1942.781+/-0.469 χ^2/NDF: 277836.2/20

Left In: 1811.084+/-0.299 χ^2/NDF:1965.1/22

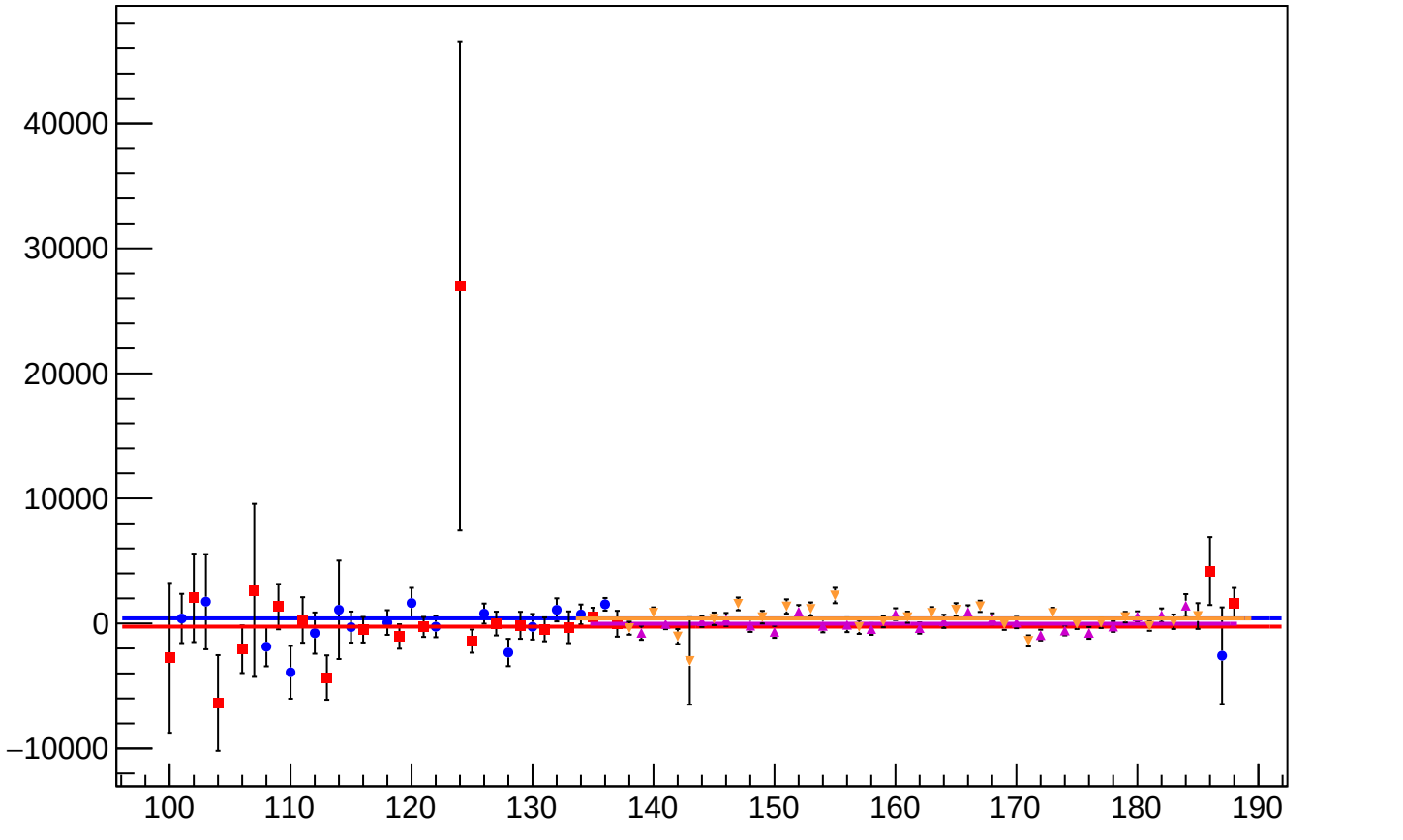
Left: 1793.137+/-0.207 χ^2/NDF: 170157.7/47

Right: 1938.245+/-0.346 χ^2/NDF: 919076.1/37

In: 1841.995+/-0.258 χ^2/NDF:685095.7/39

Out: 1821.675+/-0.244 χ^2/NDF:530417.4/45

All: 1831.267+/-0.177 χ^2/NDF: 1218780.9/85


asym_at1_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
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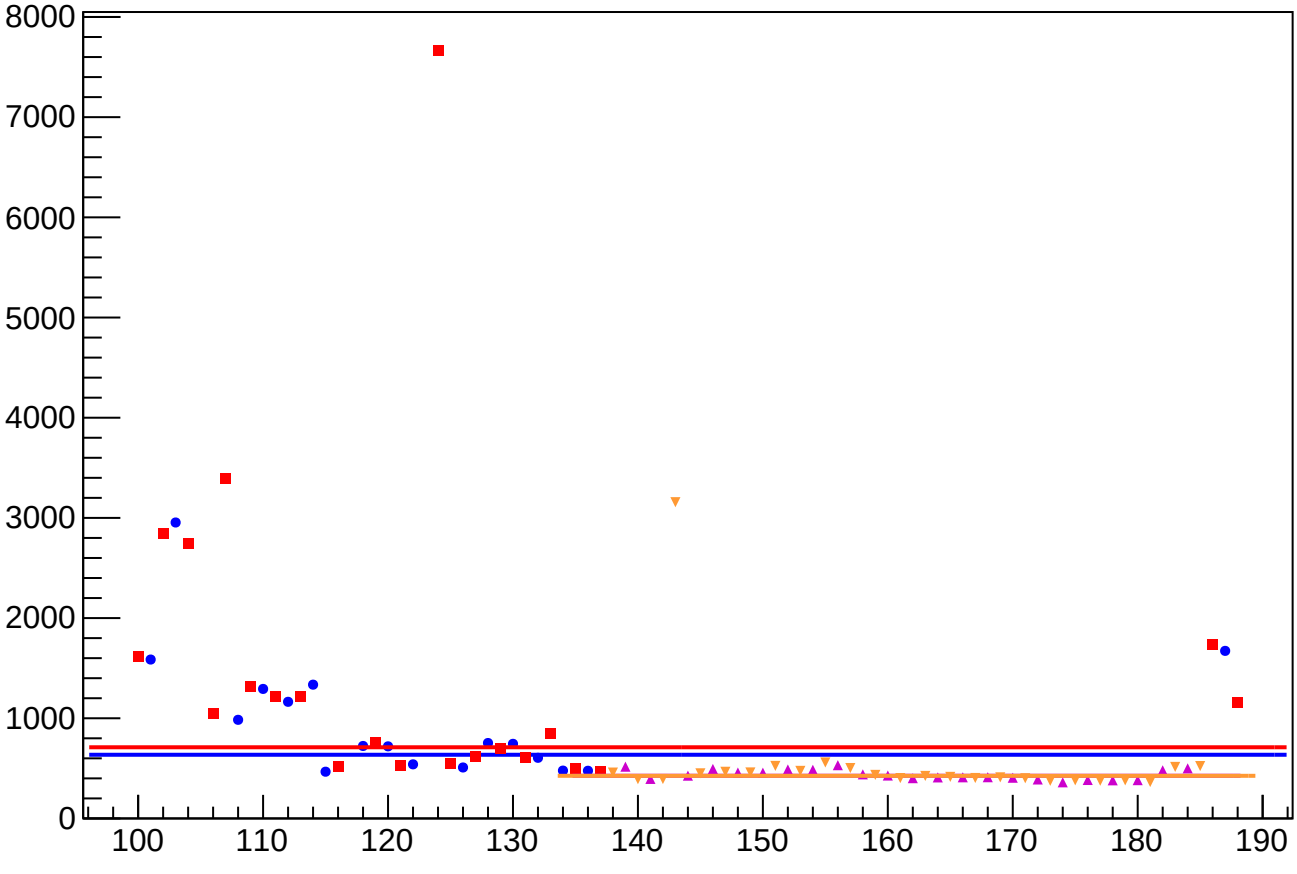
−10000
100
110
120
130
140
150
160
170
180
190
Right In: 407.954+/-256.185 χ²/NDF: 22.1/16
Left Out: 398.268+/-99.165 χ²/NDF:60.5/24
Right Out: -253.995+/-271.435 χ²/NDF: 21.0/20
Left In: -21.452+/-100.264 χ²/NDF:30.8/22
Left: 190.722+/-70.506 χ²/NDF: 100.2/47
Right: 96.097+/-186.308 χ²/NDF: 46.2/37
In: 35.585+/-93.368 χ²/NDF:55.4/39
Out: 321.462+/-93.143 χ²/NDF:86.6/45
All: 178.868+/-65.942 χ²/NDF: 146.6/85

asym_at1_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 635.716+/-0.181 χ^2/NDF: 2379116.0/16

Left Out: 425.696+/-0.070 χ^2/NDF:1718147.9/24

Right Out: 710.542+/-0.192 χ^2/NDF: 3646911.3/20

Left In: 426.144+/-0.071 χ^2/NDF:415415.2/22

Left: 425.918+/-0.050 χ^2/NDF: 2133583.2/47

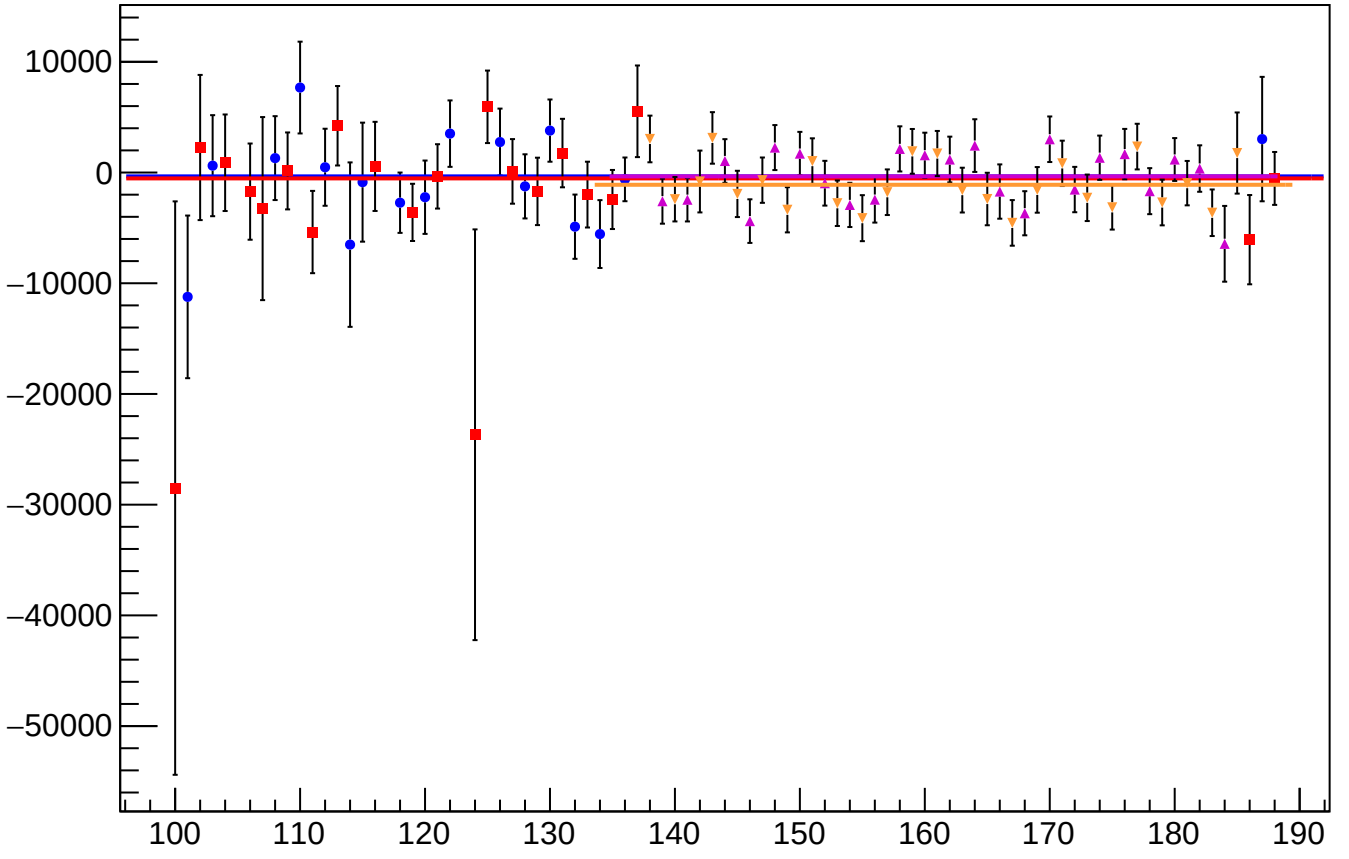
Right: 670.968+/-0.132 χ^2/NDF: 6106408.4/37

In: 453.981+/-0.066 χ^2/NDF:3955168.2/39

Out: 459.238+/-0.066 χ^2/NDF:7308210.4/45

All: 456.616+/-0.047 χ^2/NDF: 11266556.1/85

asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -346.729+/-806.919 χ^2/NDF: 18.7/16

Left Out: -1105.791+/-424.648 χ^2/NDF:28.0/24

Right Out: -530.240+/-770.923 χ^2/NDF: 17.6/20

Left In: -346.936+/-434.947 χ^2/NDF:28.8/22

Left: -735.454+/-303.847 χ^2/NDF: 58.3/47

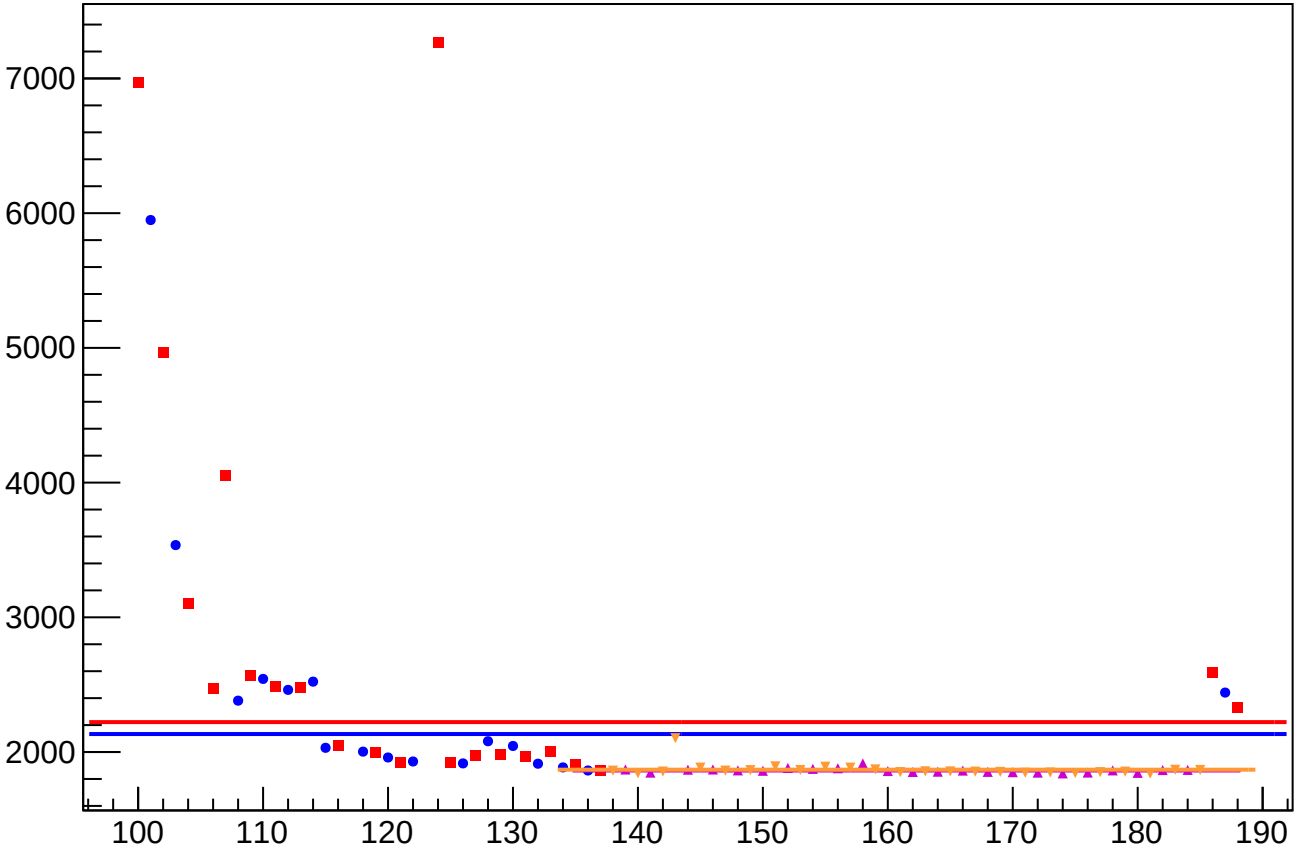
Right: -442.669+/-557.416 χ^2/NDF: 36.3/37

In: -346.890+/-382.869 χ^2/NDF:47.5/39

Out: -971.812+/-371.953 χ^2/NDF:46.0/45

All: -668.386+/-266.786 χ^2/NDF: 94.9/85

asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 2133.524+/-0.571 χ^2/NDF: 881208.6/16

Left Out: 1868.941+/-0.300 χ^2/NDF:23314.7/24

Right Out: 2222.058+/-0.545 χ^2/NDF: 965579.6/20

Left In: 1862.828+/-0.308 χ^2/NDF:2714.5/22

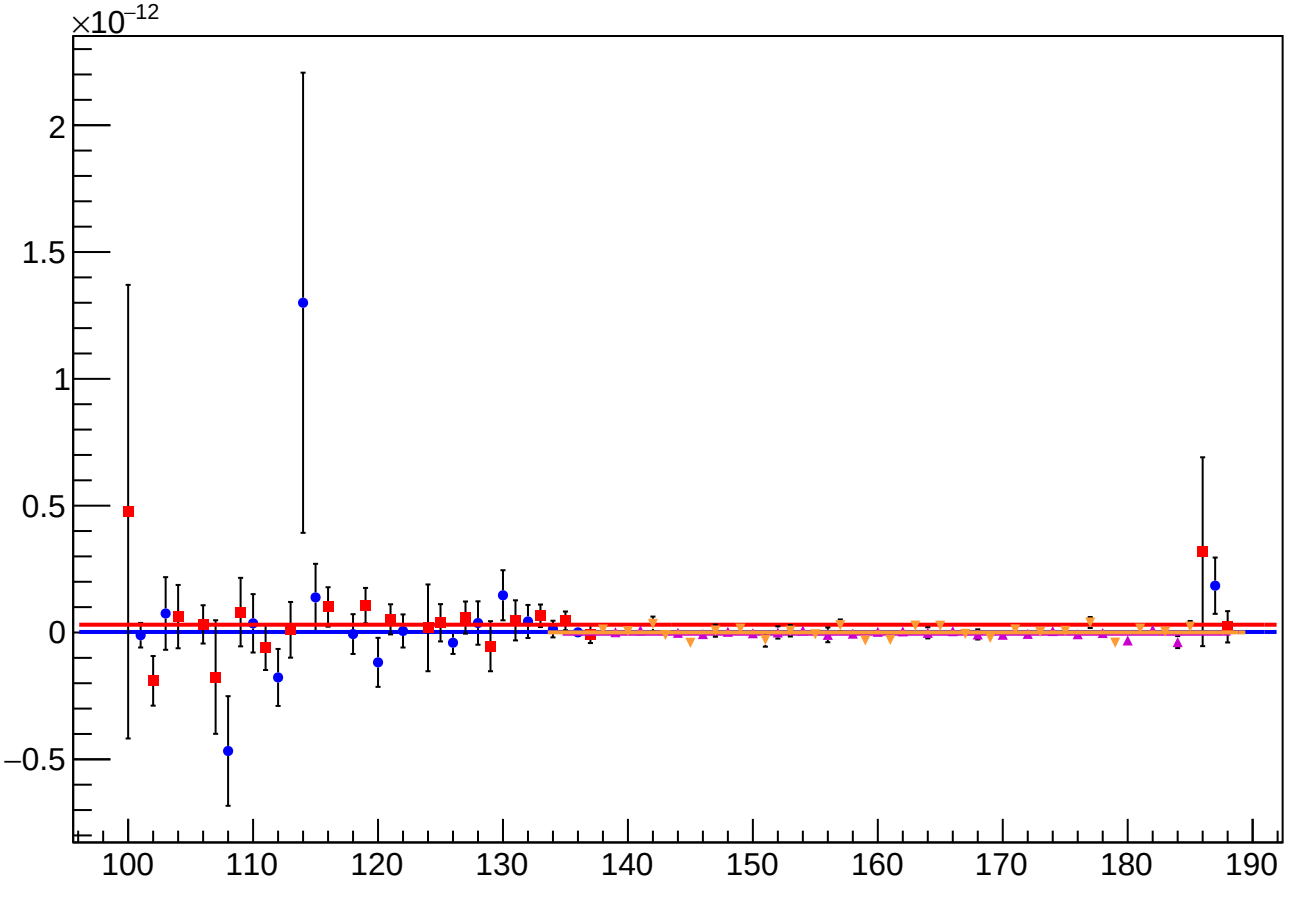
Left: 1865.958+/-0.215 χ^2/NDF: 26231.5/47

Right: 2179.810+/-0.394 χ^2/NDF: 1859375.5/37

In: 1923.771+/-0.271 χ^2/NDF:1058328.7/39

Out: 1951.141+/-0.263 χ^2/NDF:1310827.3/45

All: 1937.852+/-0.189 χ^2/NDF: 2374414.3/85



Right In: 0.000+/-0.000 χ^2/NDF: 18.8/16

Left Out: 0.000+/-0.000 χ^2/NDF:42.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 13.0/20

Left In: -0.000+/-0.000 χ^2/NDF:17.3/22

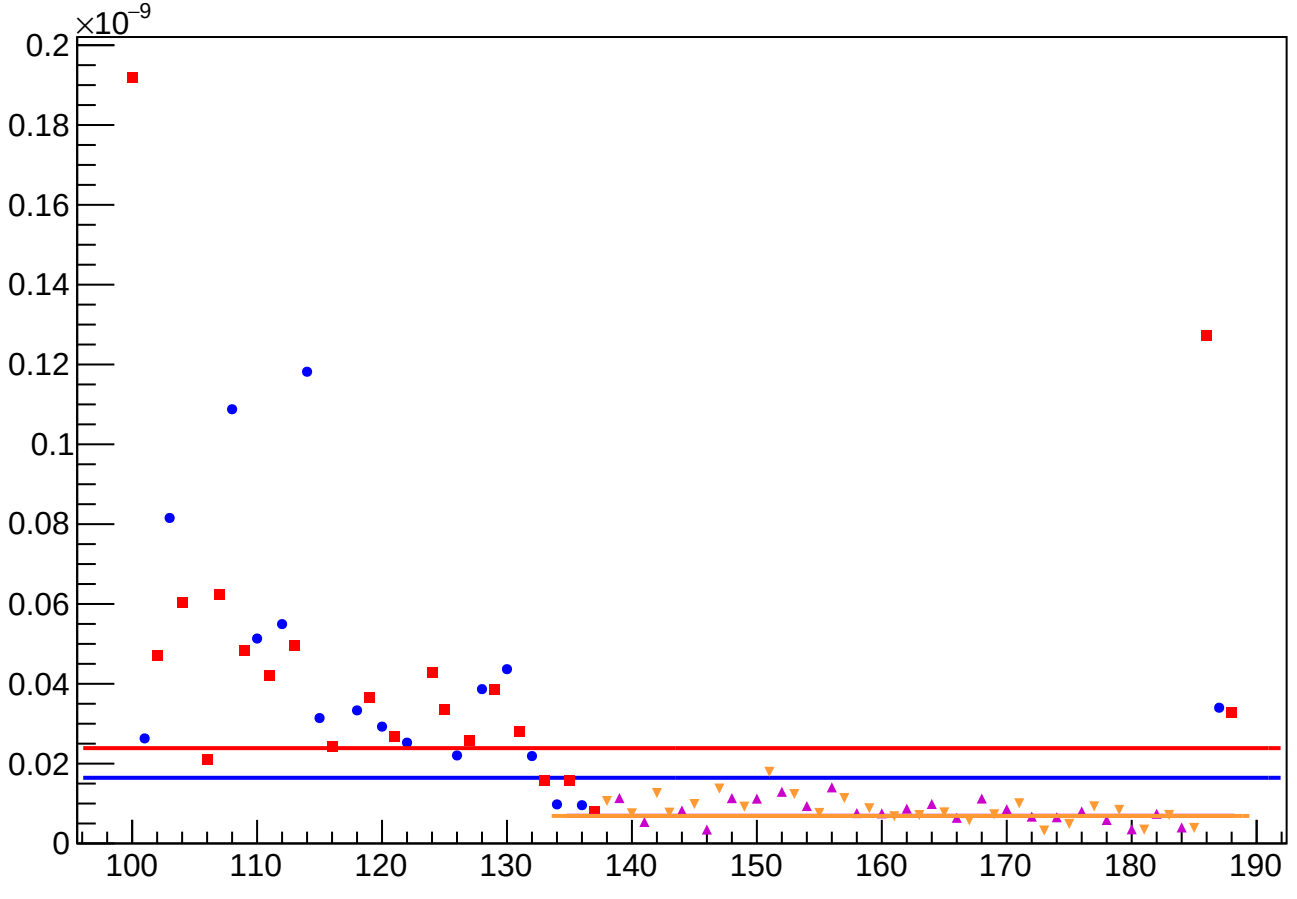
Left: -0.000+/-0.000 χ^2/NDF: 61.0/47

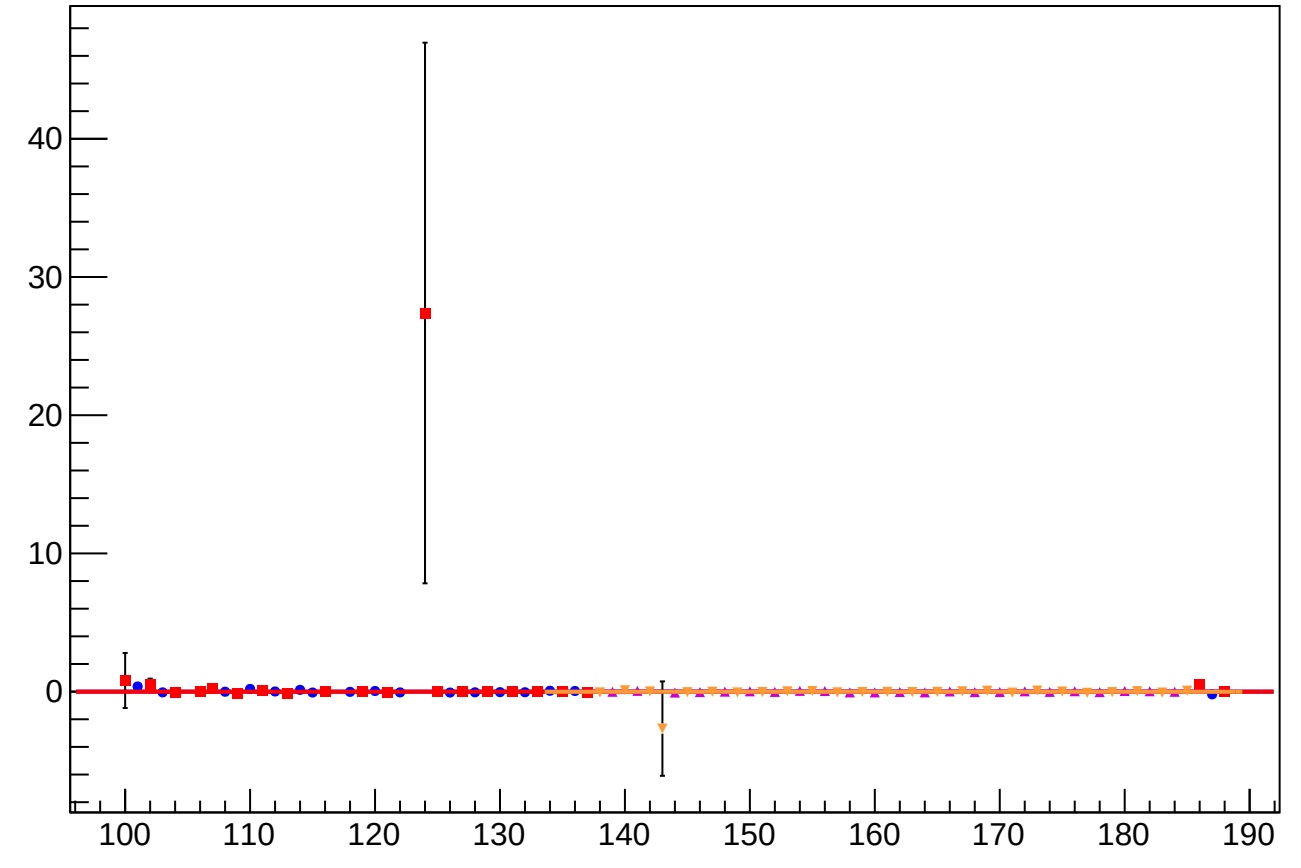
Right: 0.000+/-0.000 χ^2/NDF: 34.1/37

In: -0.000+/-0.000 χ^2/NDF:36.5/39

Out: 0.000+/-0.000 χ^2/NDF:58.9/45

All: -0.000+/-0.000 χ^2/NDF: 97.4/85


asym_at1_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 2337282.4/16
Left Out: 0.000+/-0.000 χ²/NDF:1843010.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 1611536.1/20
Left In: 0.000+/-0.000 χ²/NDF:1477997.8/22
Left: 0.000+/-0.000 χ²/NDF: 3321189.0/47
Right: 0.000+/-0.000 χ²/NDF: 4247108.0/37
In: 0.000+/-0.000 χ²/NDF:5035984.1/39
Out: 0.000+/-0.000 χ²/NDF:5854995.1/45
All: 0.000+/-0.000 χ²/NDF: 10891045.7/85



Right In: 0.001+/-0.015 χ^2/NDF: 21.9/16

Left Out: -0.010+/-0.008 χ^2/NDF:39.5/24

Right Out: -0.007+/-0.014 χ^2/NDF: 20.6/20

Left In: -0.004+/-0.008 χ^2/NDF:20.8/22

Left: -0.007+/-0.006 χ^2/NDF: 60.7/47

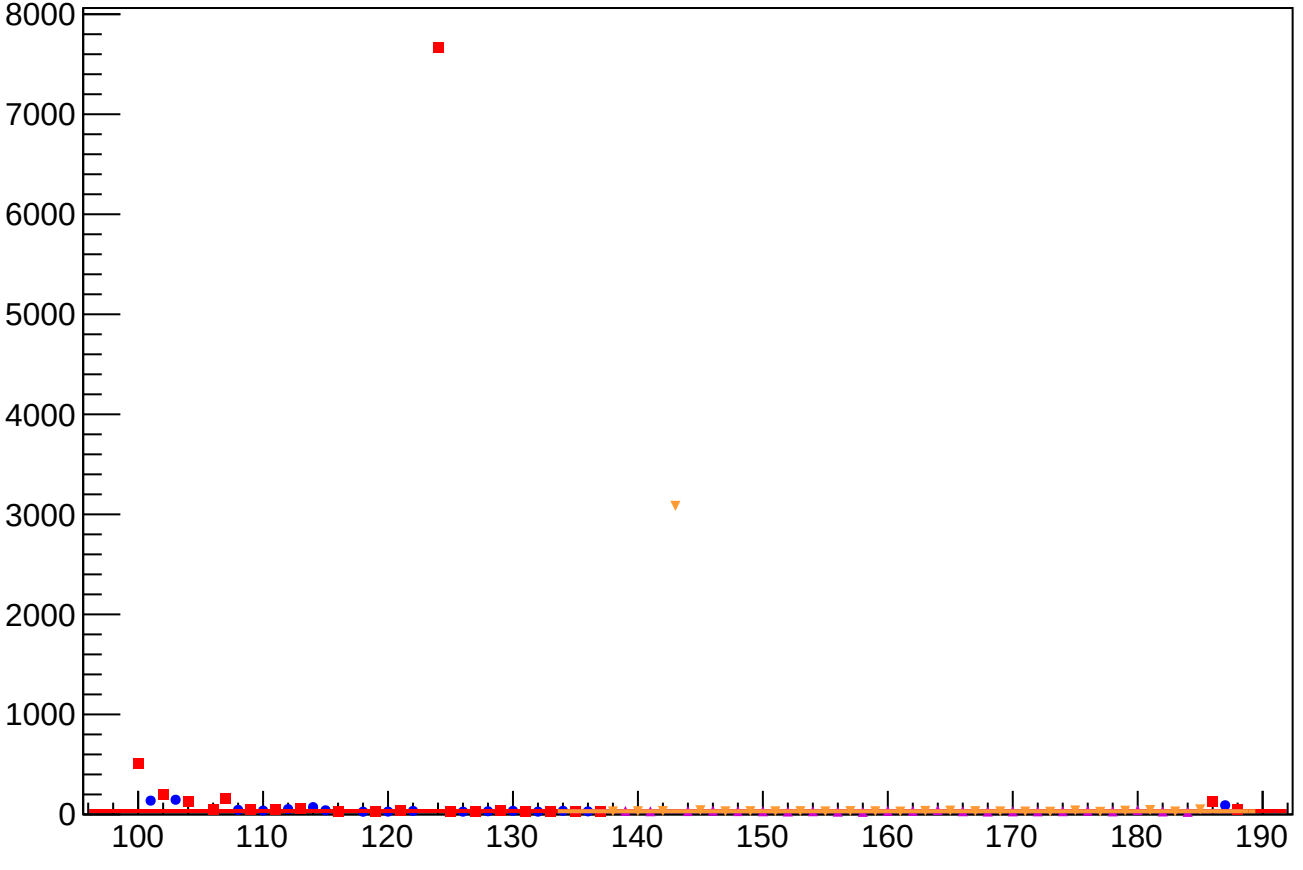
Right: -0.003+/-0.010 χ^2/NDF: 42.6/37

In: -0.003+/-0.007 χ^2/NDF:42.8/39

Out: -0.009+/-0.007 χ^2/NDF:60.2/45

All: -0.006+/-0.005 χ^2/NDF: 103.4/85

asym_at1_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.326+/-0.010 χ^2/NDF: 1861190.0/16

Left Out: 32.277+/-0.006 χ^2/NDF:2120929.6/24

Right Out: 34.656+/-0.010 χ^2/NDF: 2685392.4/20

Left In: 32.421+/-0.006 χ^2/NDF:426084.8/22

Left: 32.349+/-0.004 χ^2/NDF: 2547318.7/47

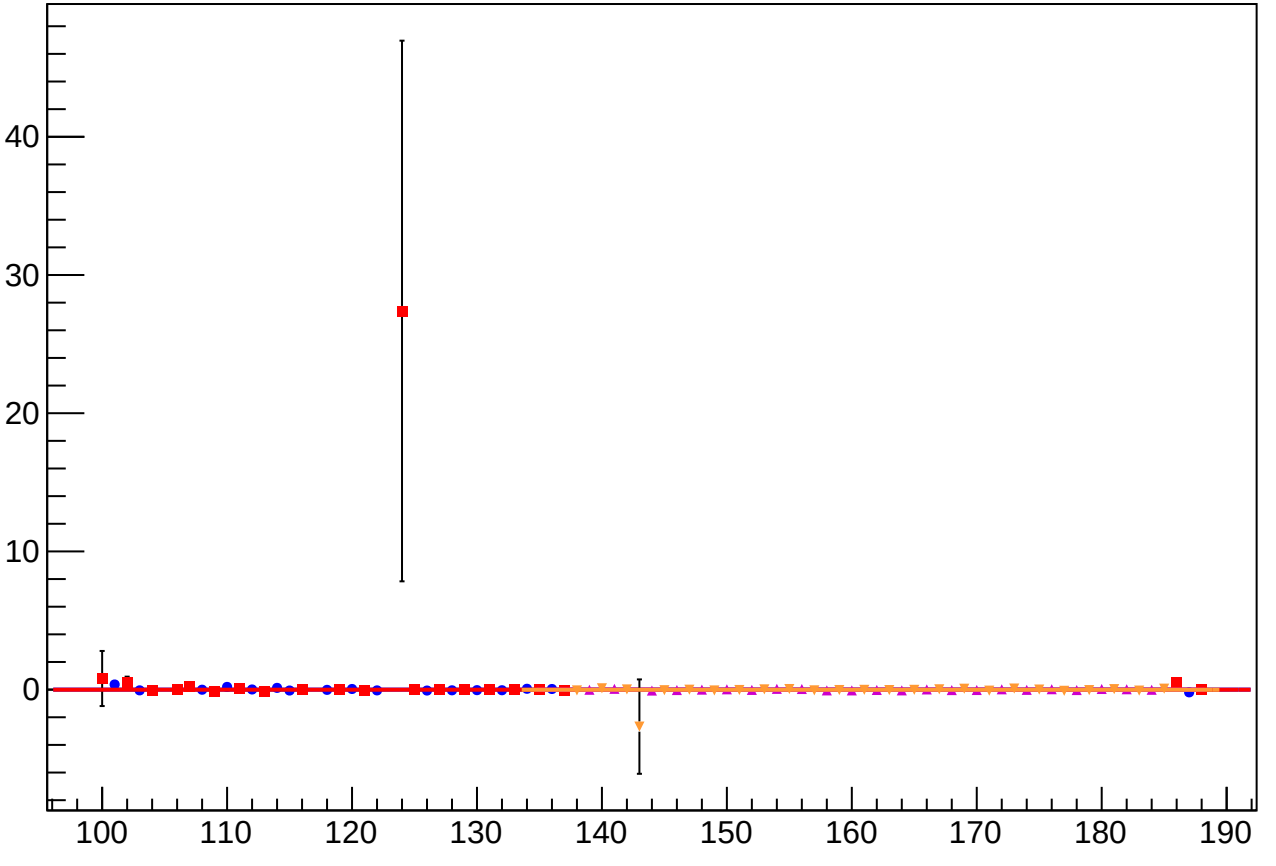
Right: 34.495+/-0.007 χ^2/NDF: 4547096.5/37

In: 32.880+/-0.005 χ^2/NDF:2312704.8/39

Out: 32.867+/-0.005 χ^2/NDF:4847711.1/45

All: 32.873+/-0.004 χ^2/NDF: 7160419.1/85

asym_at1_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.001+/-0.015 χ^2/NDF: 21.9/16

Left Out: -0.010+/-0.008 χ^2/NDF:39.5/24

Right Out: -0.007+/-0.014 χ^2/NDF: 20.6/20

Left In: -0.004+/-0.008 χ^2/NDF:20.8/22

Left: -0.007+/-0.006 χ^2/NDF: 60.7/47

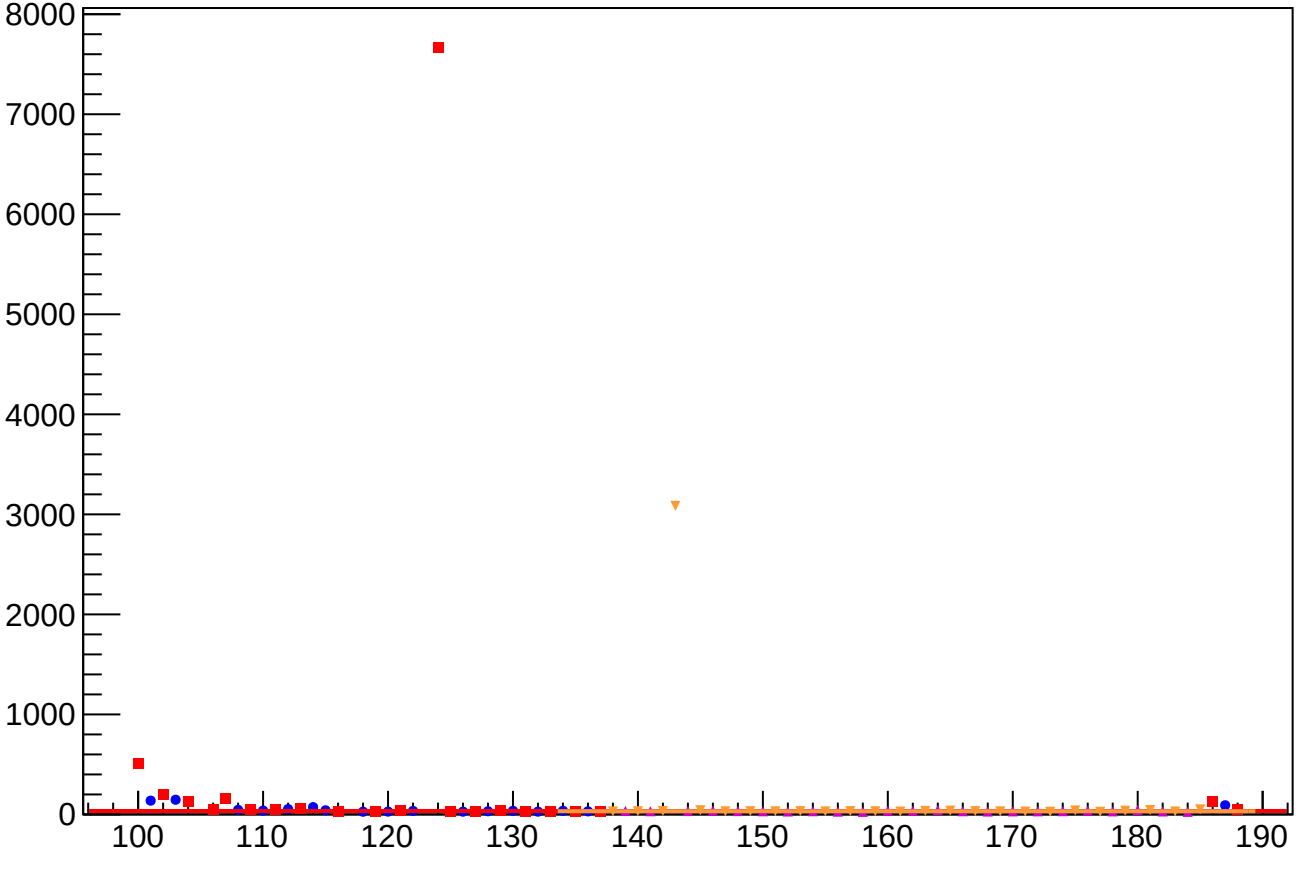
Right: -0.003+/-0.010 χ^2/NDF: 42.6/37

In: -0.003+/-0.007 χ^2/NDF:42.8/39

Out: -0.009+/-0.007 χ^2/NDF:60.2/45

All: -0.006+/-0.005 χ^2/NDF: 103.4/85

asym_at1_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.326+/-0.010 χ^2/NDF: 1861190.0/16

Left Out: 32.277+/-0.006 χ^2/NDF:2120929.6/24

Right Out: 34.656+/-0.010 χ^2/NDF: 2685392.4/20

Left In: 32.421+/-0.006 χ^2/NDF:426084.8/22

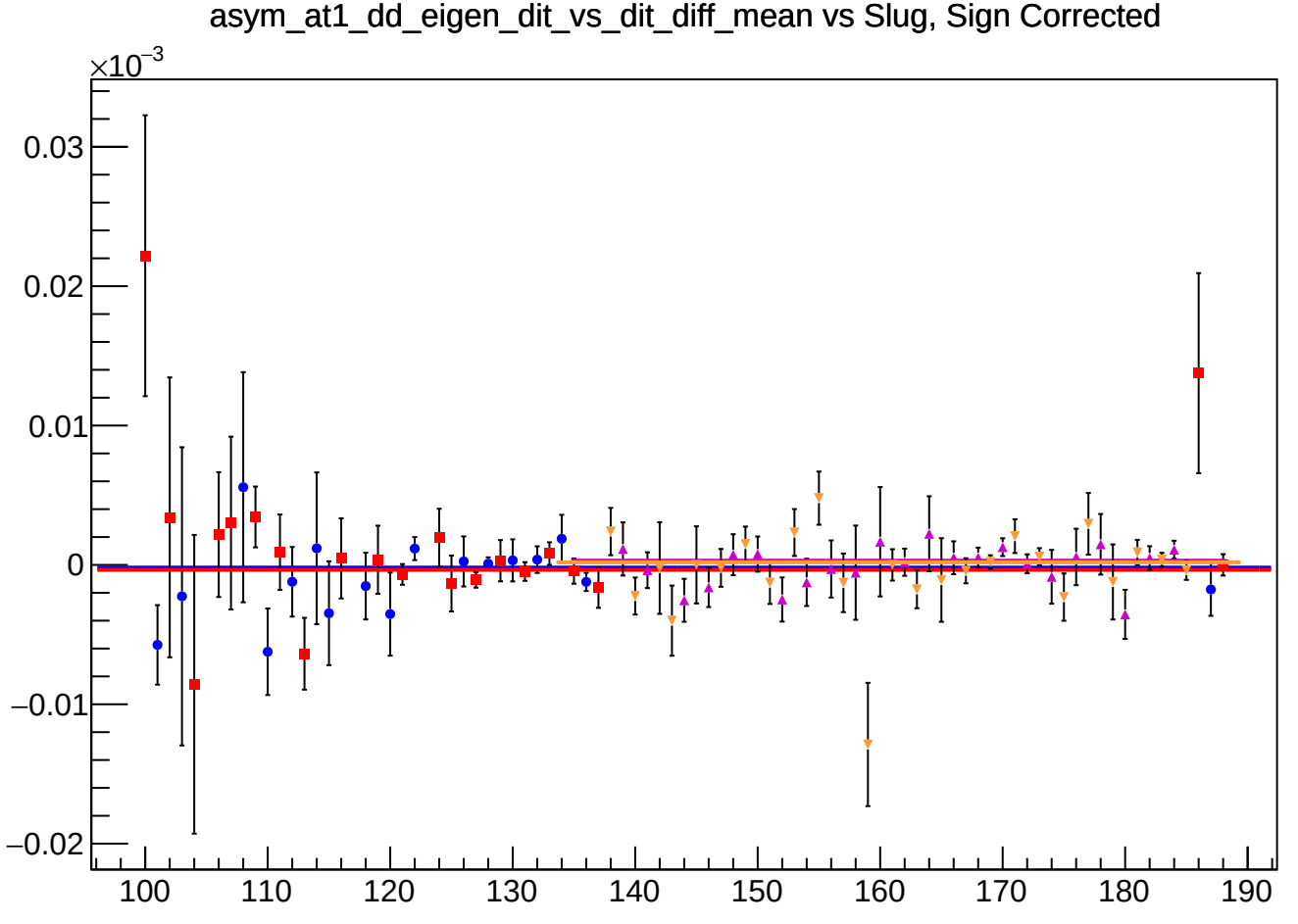
Left: 32.349+/-0.004 χ^2/NDF: 2547318.7/47

Right: 34.495+/-0.007 χ^2/NDF: 4547096.5/37

In: 32.880+/-0.005 χ^2/NDF:2312704.8/39

Out: 32.867+/-0.005 χ^2/NDF:4847711.1/45

All: 32.873+/-0.004 χ^2/NDF: 7160419.1/85



Right In: -0.000+/-0.000 χ^2/NDF: 18.9/16

Left Out: 0.000+/-0.000 χ^2/NDF:37.5/24

Right Out: -0.000+/-0.000 χ^2/NDF: 25.7/20

Left In: 0.000+/-0.000 χ^2/NDF:20.2/22

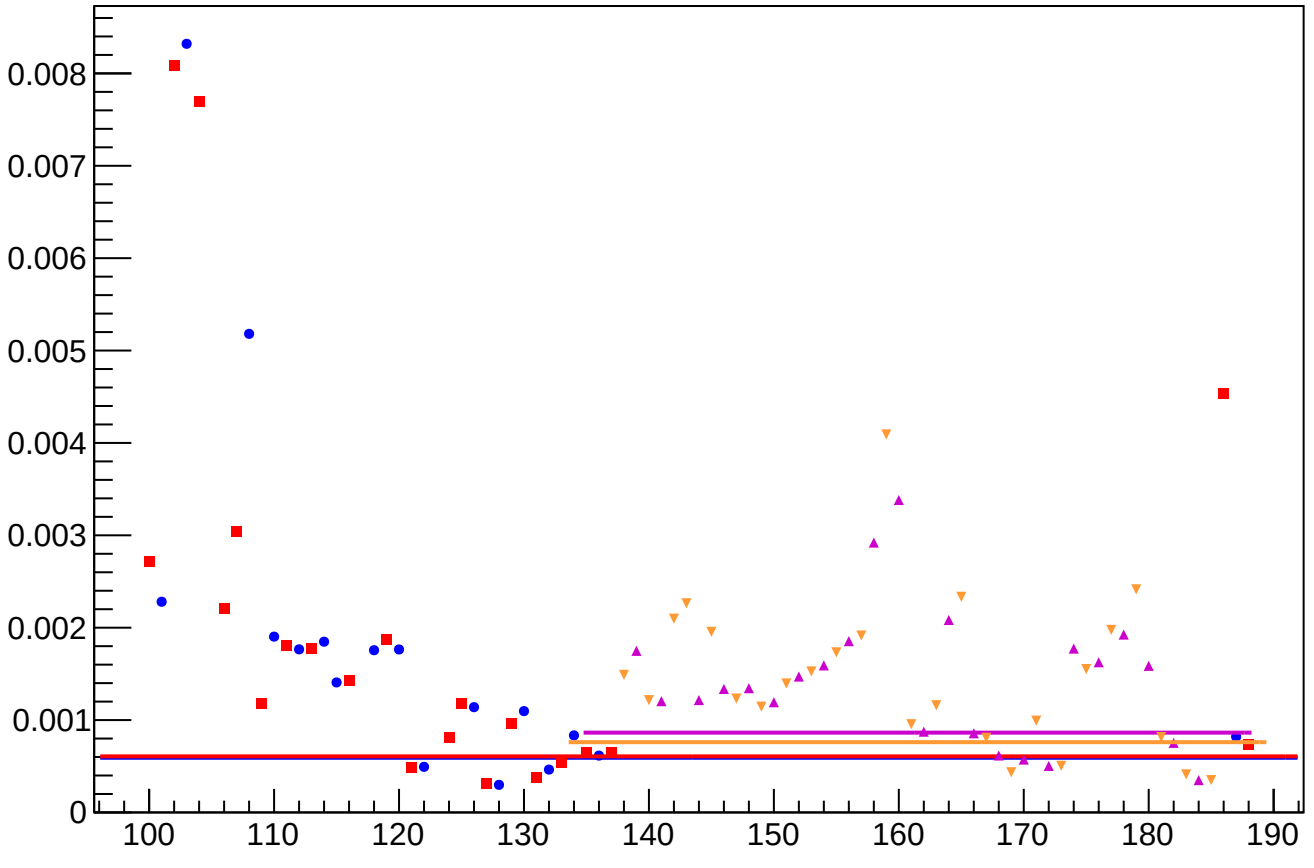
Left: 0.000+/-0.000 χ^2/NDF: 57.9/47

Right: -0.000+/-0.000 χ^2/NDF: 44.8/37

In: 0.000+/-0.000 χ^2/NDF:40.9/39

Out: -0.000+/-0.000 χ^2/NDF:65.7/45

All: 0.000+/-0.000 χ^2/NDF: 106.8/85



Right In: 0.001+/-0.000 χ^2/NDF: 5515651.2/16

Left Out: 0.001+/-0.000 χ^2/NDF:11085699.1/24

Right Out: 0.001+/-0.000 χ^2/NDF: 6099736.2/20

Left In: 0.001+/-0.000 χ^2/NDF:8440059.8/22

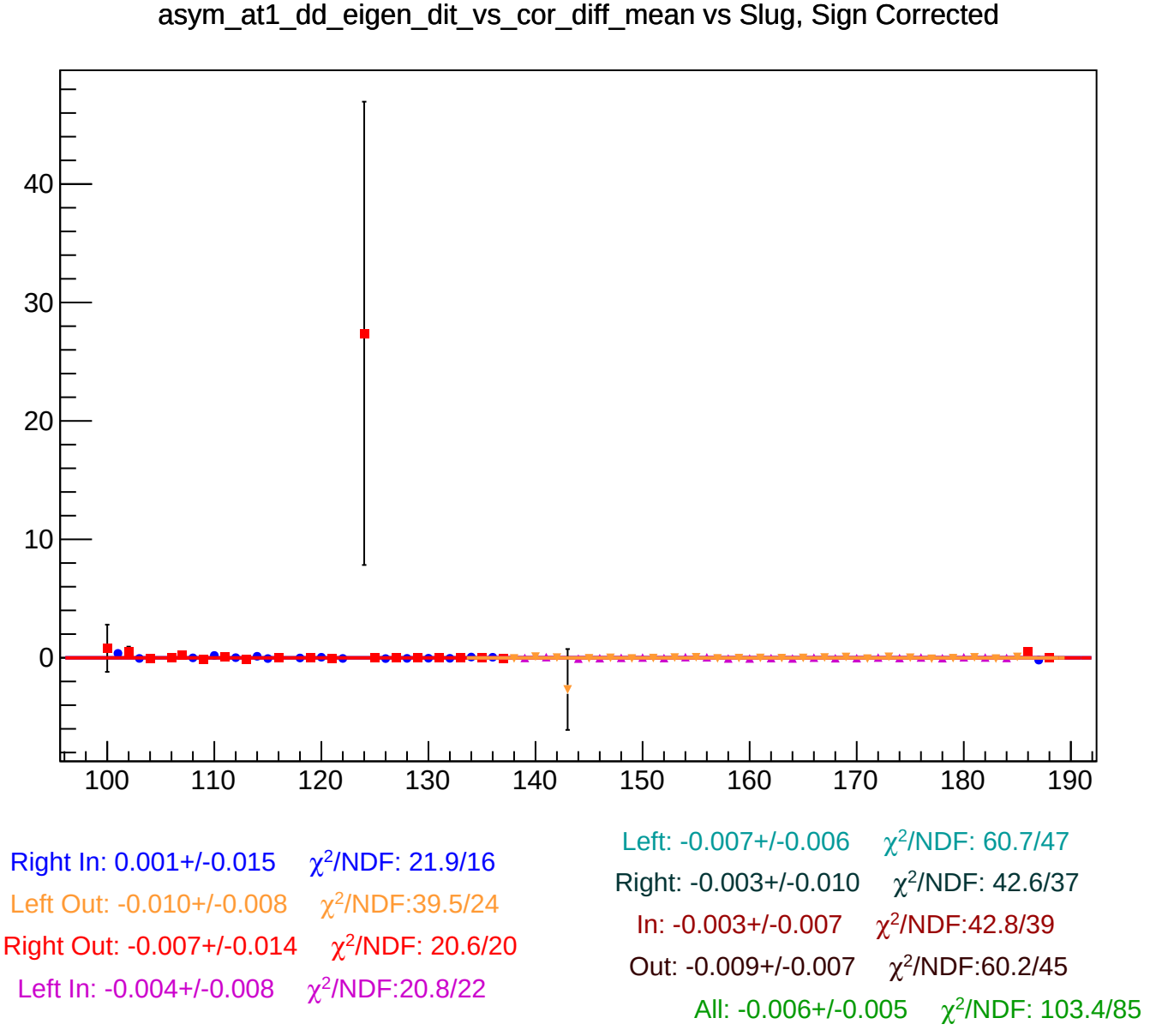
Left: 0.001+/-0.000 χ^2/NDF: 19733433.3/47

Right: 0.001+/-0.000 χ^2/NDF: 11618243.4/37

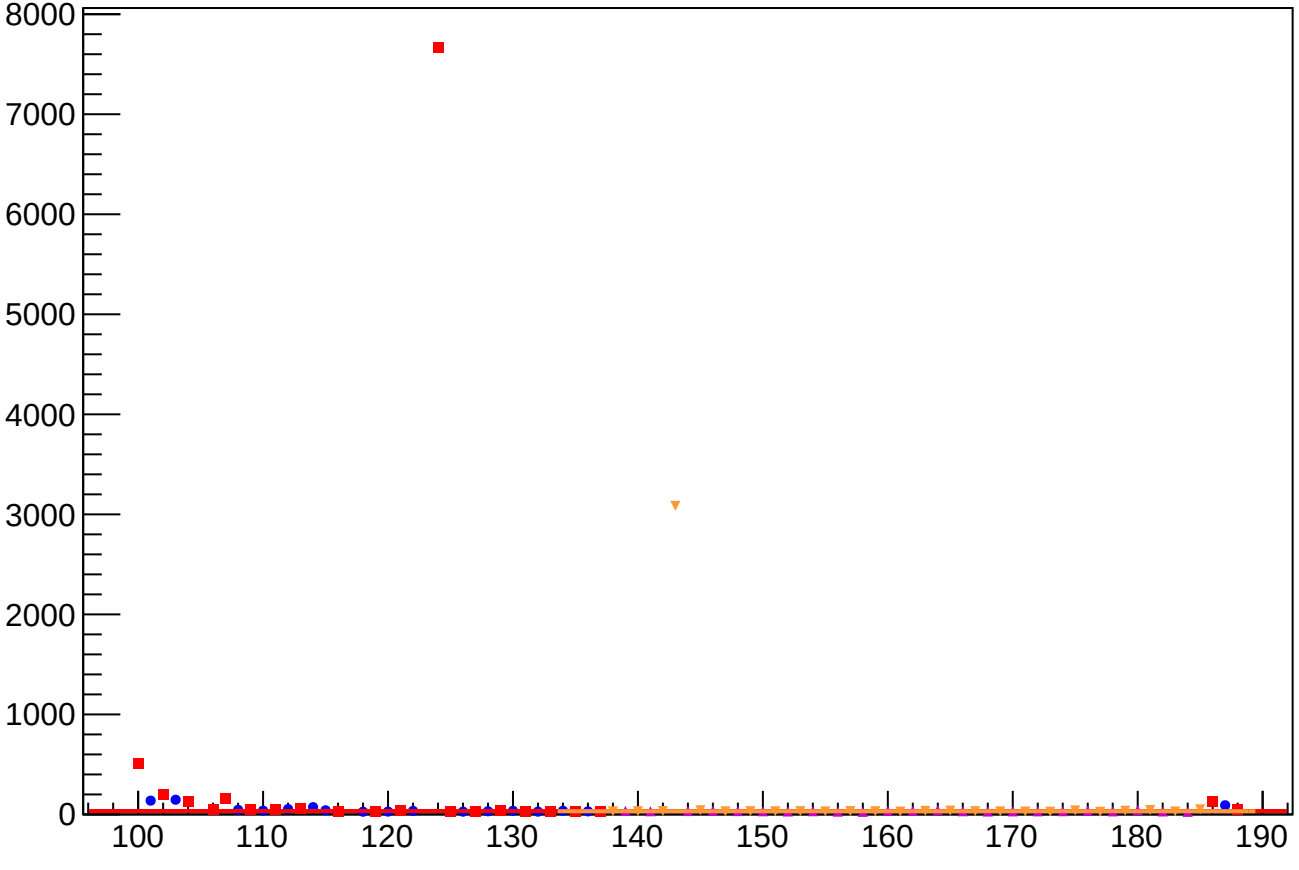
In: 0.001+/-0.000 χ^2/NDF:14999671.2/39

Out: 0.001+/-0.000 χ^2/NDF:17592107.3/45

All: 0.001+/-0.000 χ^2/NDF: 32681480.5/85


asym_at1_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
40
30
20
10
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.001+/-0.015 χ2/NDF: 21.9/16
Left Out: -0.010+/-0.008 χ2/NDF:39.5/24
Right Out: -0.007+/-0.014 χ2/NDF: 20.6/20
Left In: -0.004+/-0.008 χ2/NDF:20.8/22
Left: -0.007+/-0.006 χ2/NDF: 60.7/47
Right: -0.003+/-0.010 χ2/NDF: 42.6/37
In: -0.003+/-0.007 χ2/NDF:42.8/39
Out: -0.009+/-0.007 χ2/NDF:60.2/45
All: -0.006+/-0.005 χ2/NDF: 103.4/85

asym_at1_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.326+/-0.010 χ^2/NDF: 1861178.1/16

Left Out: 32.277+/-0.006 χ^2/NDF:2120971.9/24

Right Out: 34.656+/-0.010 χ^2/NDF: 2685380.7/20

Left In: 32.422+/-0.006 χ^2/NDF:426001.5/22

Left: 32.349+/-0.004 χ^2/NDF: 2547279.1/47

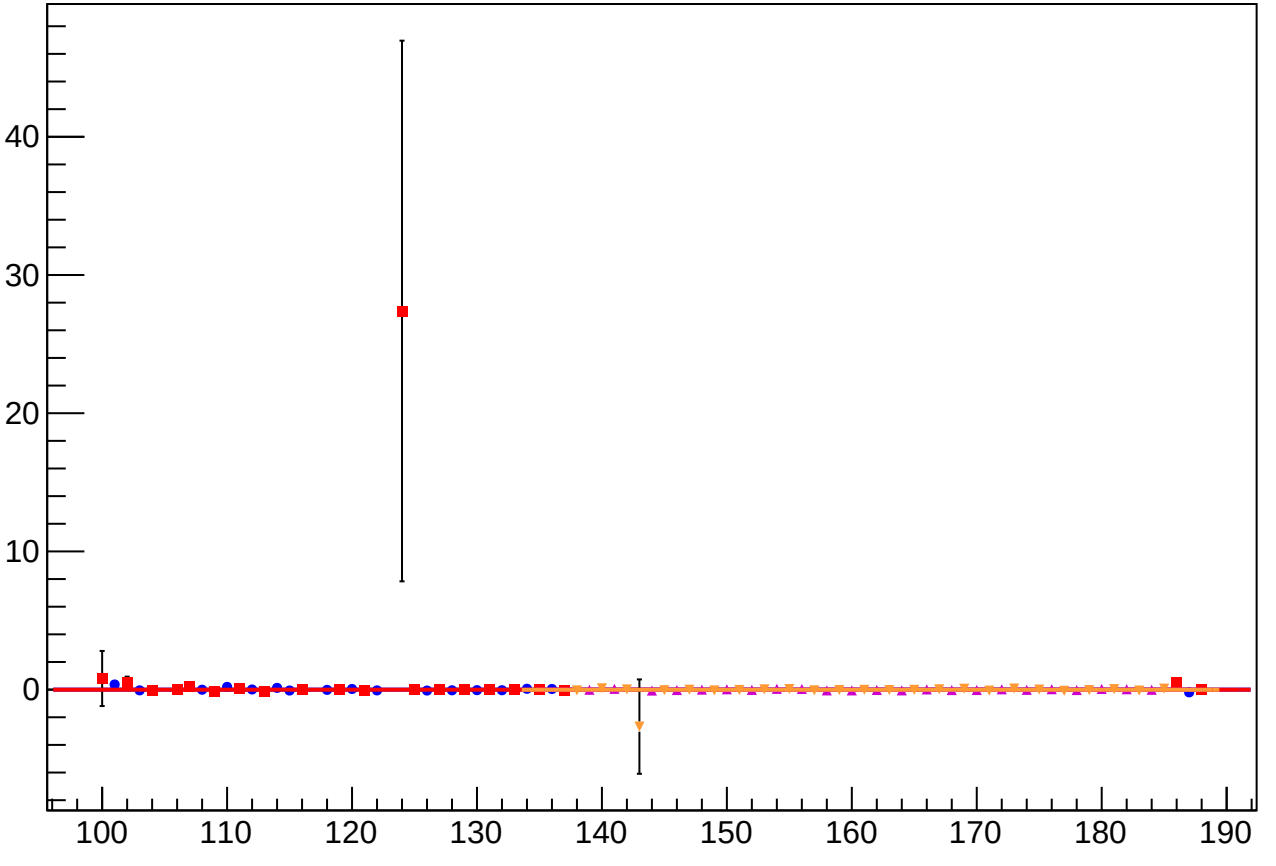
Right: 34.495+/-0.007 χ^2/NDF: 4547072.5/37

In: 32.880+/-0.005 χ^2/NDF:2312603.8/39

Out: 32.867+/-0.005 χ^2/NDF:4847740.8/45

All: 32.873+/-0.004 χ^2/NDF: 7160347.9/85

asym_at1_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.001+/-0.015 χ^2/NDF: 21.9/16

Left Out: -0.010+/-0.008 χ^2/NDF:39.5/24

Right Out: -0.007+/-0.014 χ^2/NDF: 20.6/20

Left In: -0.004+/-0.008 χ^2/NDF:20.8/22

Left: -0.007+/-0.006 χ^2/NDF: 60.7/47

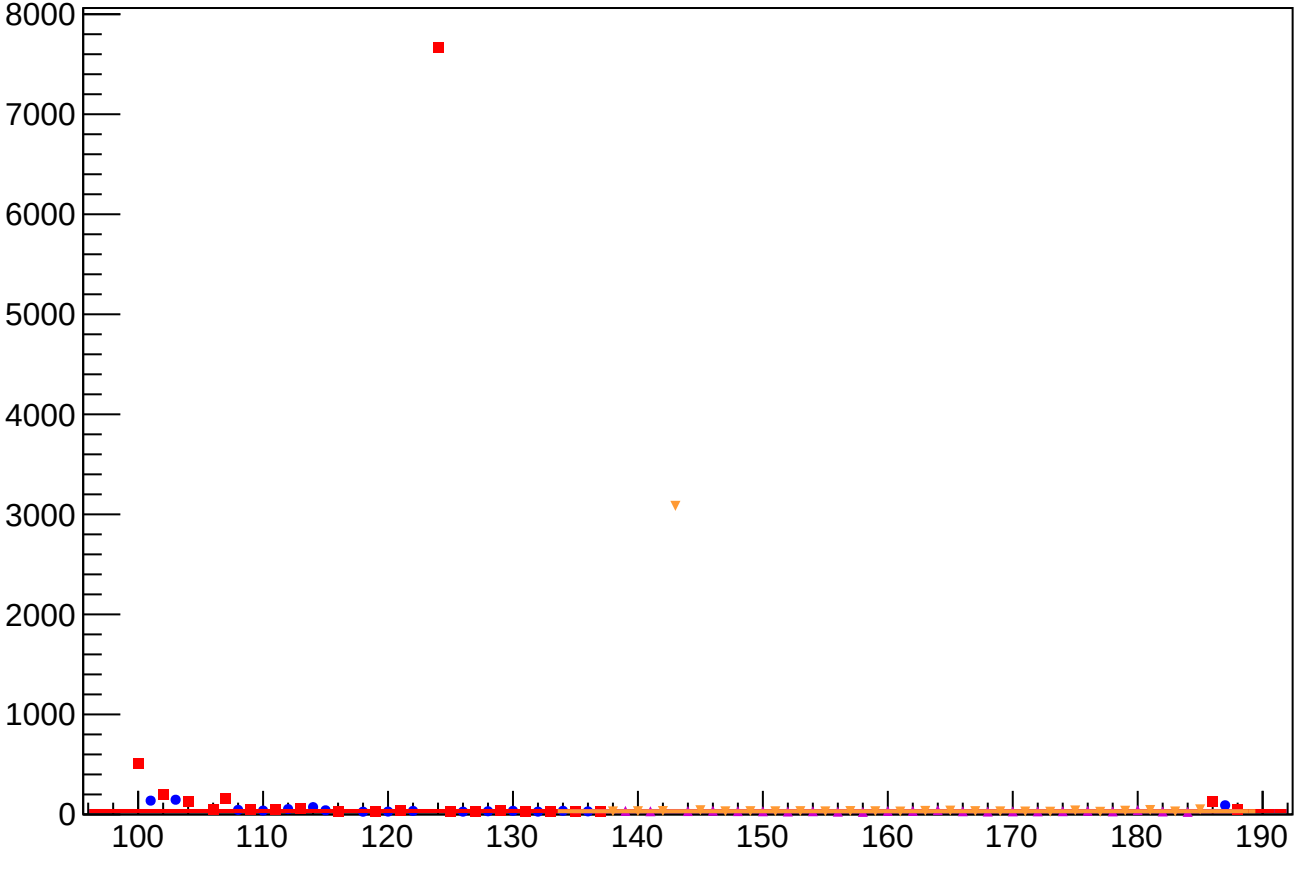
Right: -0.003+/-0.010 χ^2/NDF: 42.6/37

In: -0.003+/-0.007 χ^2/NDF:42.8/39

Out: -0.009+/-0.007 χ^2/NDF:60.2/45

All: -0.006+/-0.005 χ^2/NDF: 103.4/85

asym_at1_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.326+/-0.010 χ^2/NDF: 1861178.1/16

Left Out: 32.277+/-0.006 χ^2/NDF:2120971.9/24

Right Out: 34.656+/-0.010 χ^2/NDF: 2685380.7/20

Left In: 32.422+/-0.006 χ^2/NDF:426001.5/22

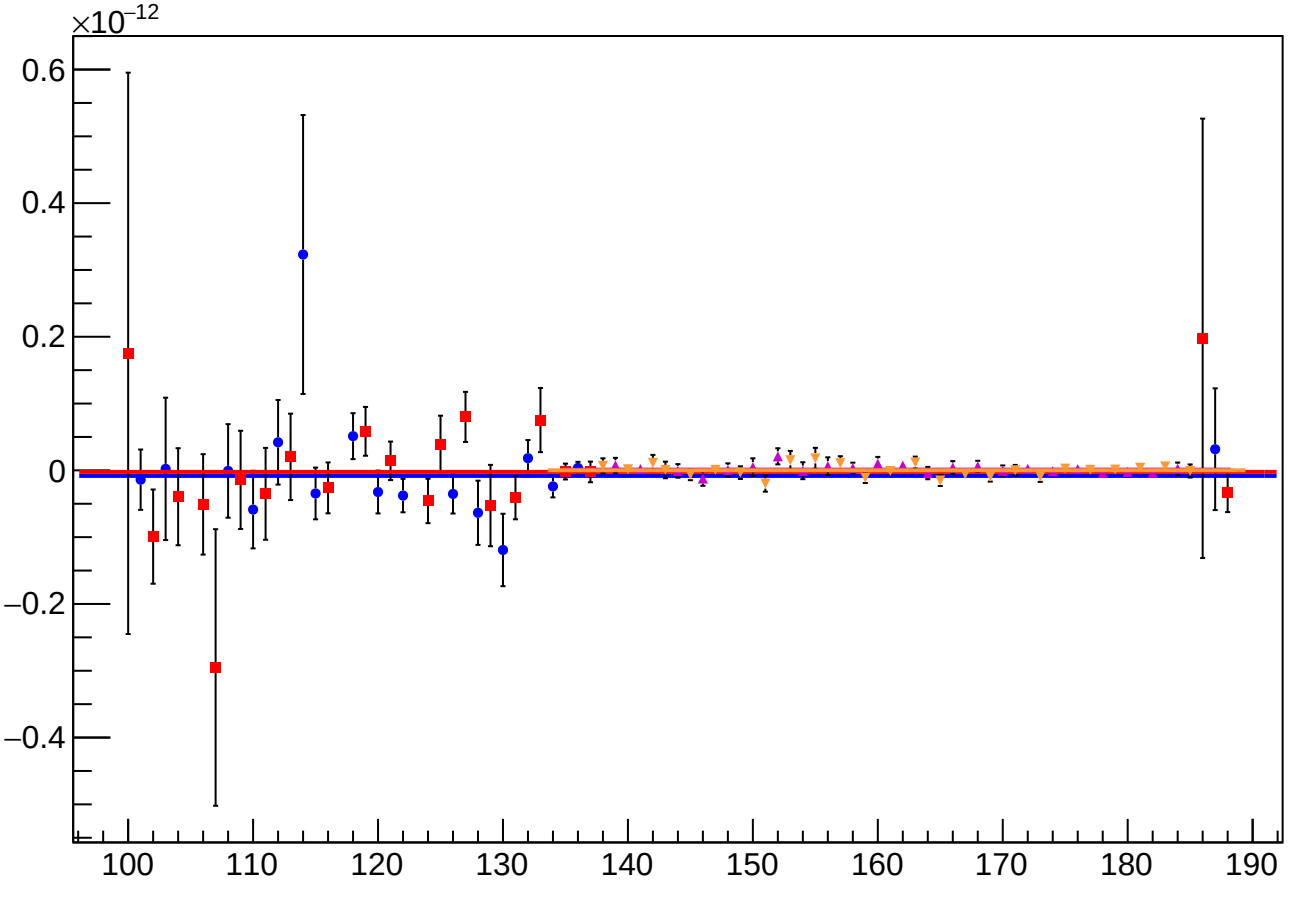
Left: 32.349+/-0.004 χ^2/NDF: 2547279.1/47

Right: 34.495+/-0.007 χ^2/NDF: 4547072.5/37

In: 32.880+/-0.005 χ^2/NDF:2312603.8/39

Out: 32.867+/-0.005 χ^2/NDF:4847740.8/45

All: 32.873+/-0.004 χ^2/NDF: 7160347.9/85



Right In: -0.000+/-0.000 χ^2/NDF: 19.5/16

Left Out: 0.000+/-0.000 χ^2/NDF:21.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 22.2/20

Left In: 0.000+/-0.000 χ^2/NDF:9.2/22

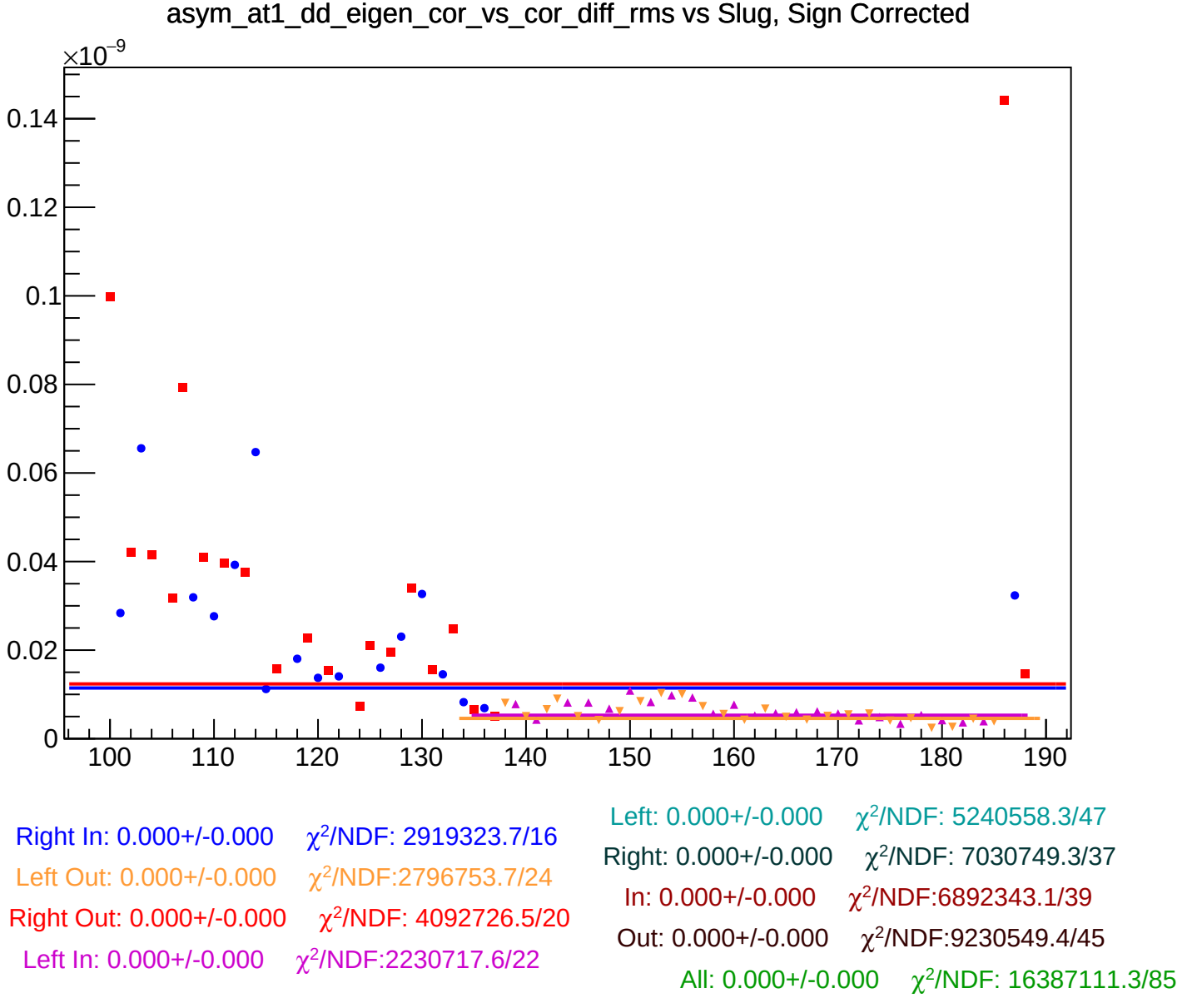
Left: 0.000+/-0.000 χ^2/NDF: 30.5/47

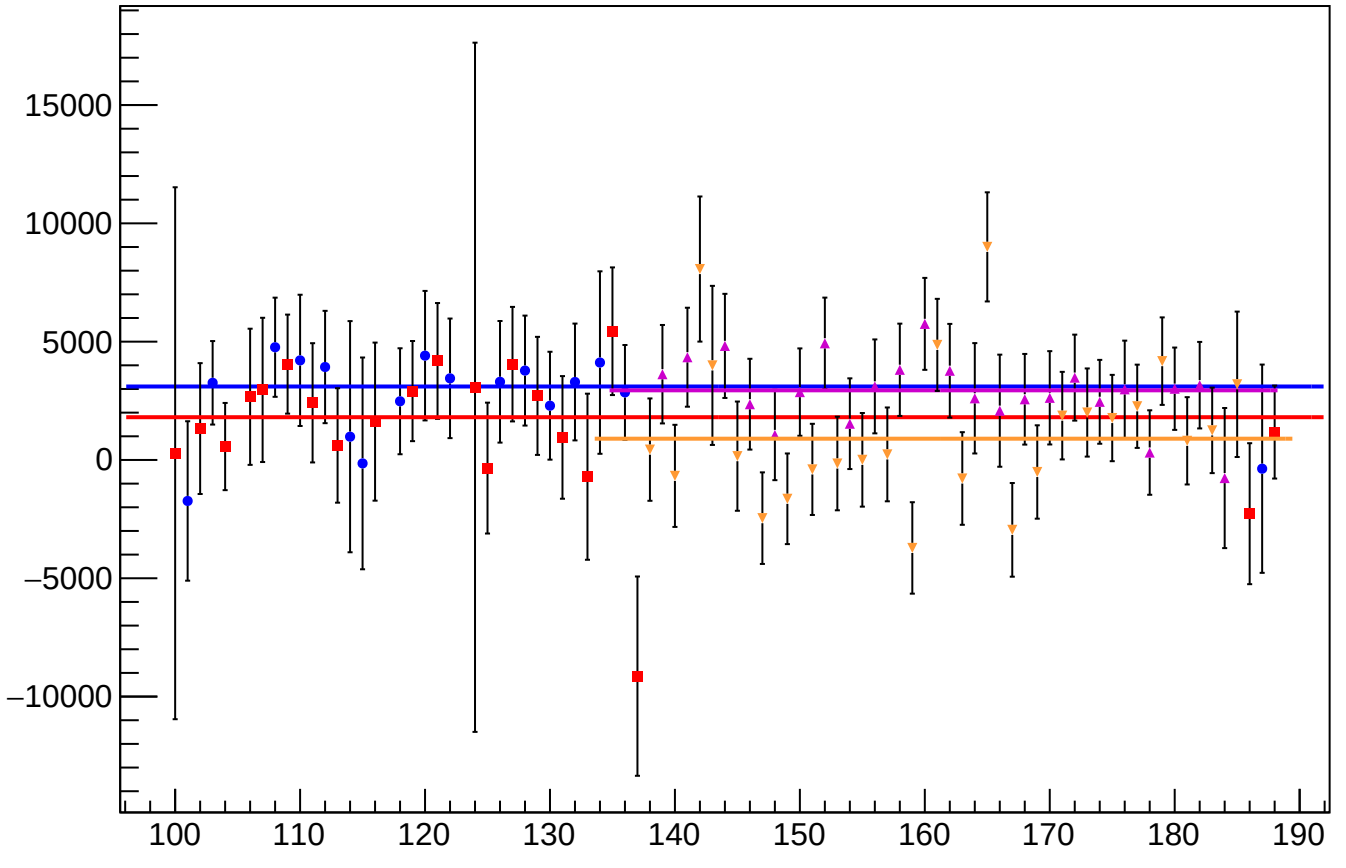
Right: -0.000+/-0.000 χ^2/NDF: 42.1/37

In: 0.000+/-0.000 χ^2/NDF:30.6/39

Out: -0.000+/-0.000 χ^2/NDF:43.4/45

All: 0.000+/-0.000 χ^2/NDF: 74.1/85


asym_at1_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 2919323.7/16
Left Out: 0.000+/-0.000 χ²/NDF:2796753.7/24
Right Out: 0.000+/-0.000 χ²/NDF: 4092726.5/20
Left In: 0.000+/-0.000 χ²/NDF:2230717.6/22
Left: 0.000+/-0.000 χ²/NDF: 5240558.3/47
Right: 0.000+/-0.000 χ²/NDF: 7030749.3/37
In: 0.000+/-0.000 χ²/NDF:6892343.1/39
Out: 0.000+/-0.000 χ²/NDF:9230549.4/45
All: 0.000+/-0.000 χ²/NDF: 16387111.3/85



Right In: 3104.864+/-621.695 χ^2/NDF: 4.9/16

Left Out: 898.921+/-405.540 χ^2/NDF:45.3/24

Right Out: 1807.014+/-581.167 χ^2/NDF: 16.2/20

Left In: 2943.285+/-412.069 χ^2/NDF:10.6/22

Left: 1904.780+/-289.041 χ^2/NDF: 68.3/47

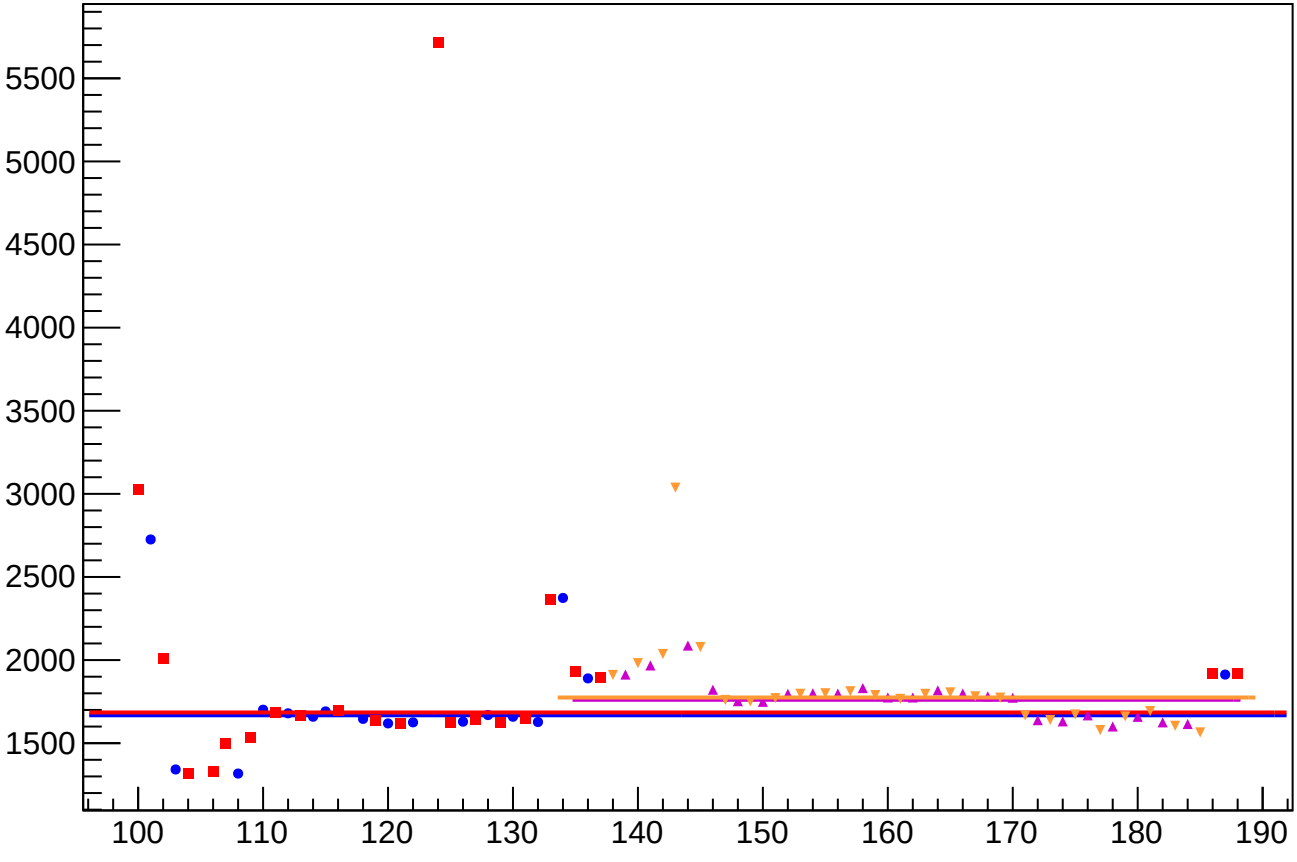
Right: 2412.260+/-424.552 χ^2/NDF: 23.4/37

In: 2992.604+/-343.472 χ^2/NDF:15.5/39

Out: 1196.297+/-332.574 χ^2/NDF:63.1/45

All: 2065.504+/-238.925 χ^2/NDF: 92.7/85

reg_asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 1667.887+/-0.440 χ^2/NDF: 421946.9/16

Left Out: 1774.731+/-0.287 χ^2/NDF:446895.8/24

Right Out: 1684.768+/-0.411 χ^2/NDF: 478089.2/20

Left In: 1761.089+/-0.291 χ^2/NDF:146266.6/22

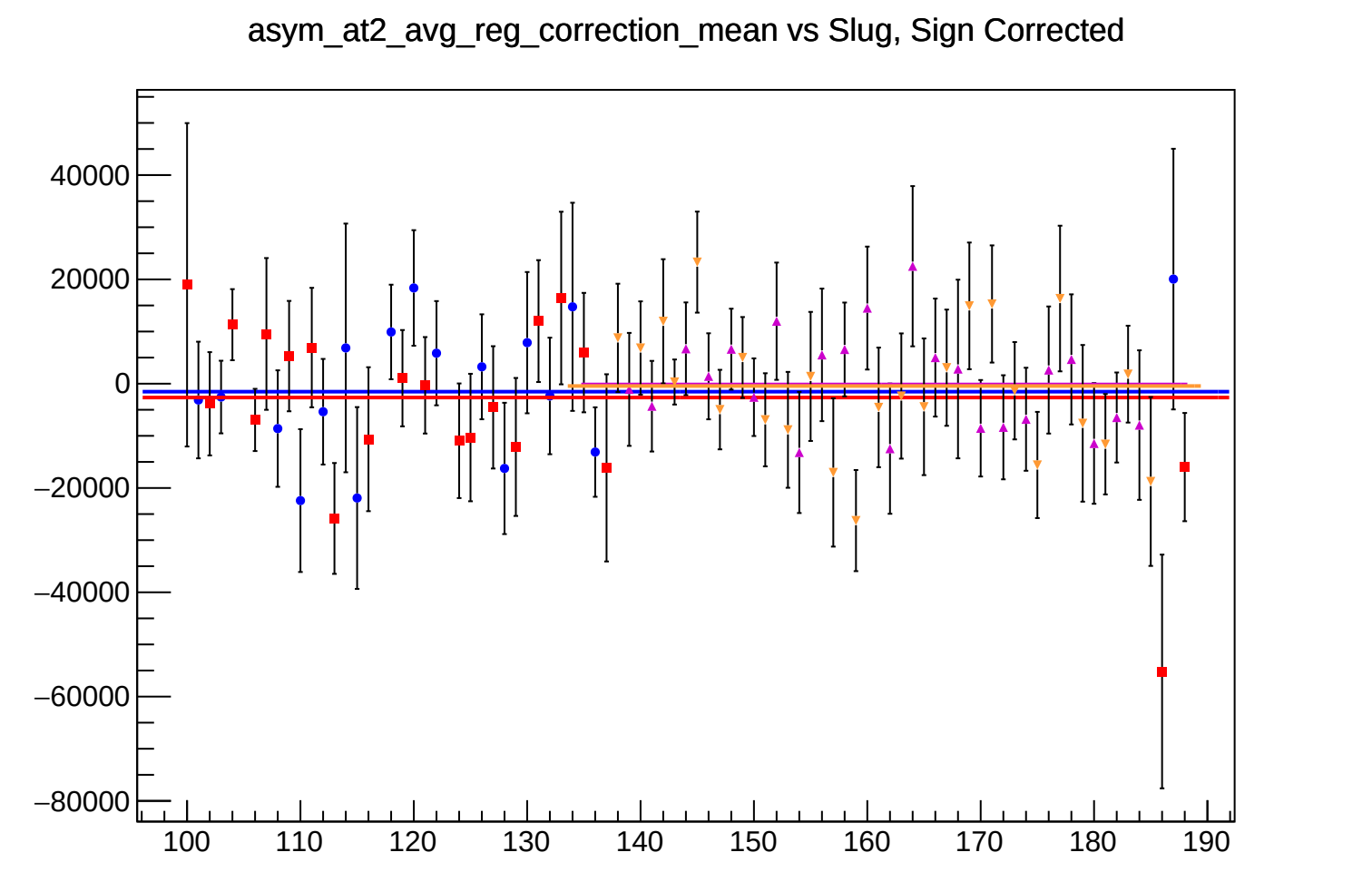
Left: 1768.019+/-0.204 χ^2/NDF: 594275.9/47

Right: 1676.895+/-0.300 χ^2/NDF: 900823.0/37

In: 1732.641+/-0.243 χ^2/NDF:599443.2/39

Out: 1745.270+/-0.235 χ^2/NDF:957215.6/45

All: 1739.159+/-0.169 χ^2/NDF: 1558054.4/85



Right In: -1530.839+/-2727.231 χ^2/NDF: 15.1/16

Left Out: -443.346+/-1925.604 χ^2/NDF:29.5/24

Right Out: -2655.494+/-2352.968 χ^2/NDF: 25.2/20

Left In: -155.268+/-2143.489 χ^2/NDF:13.8/22

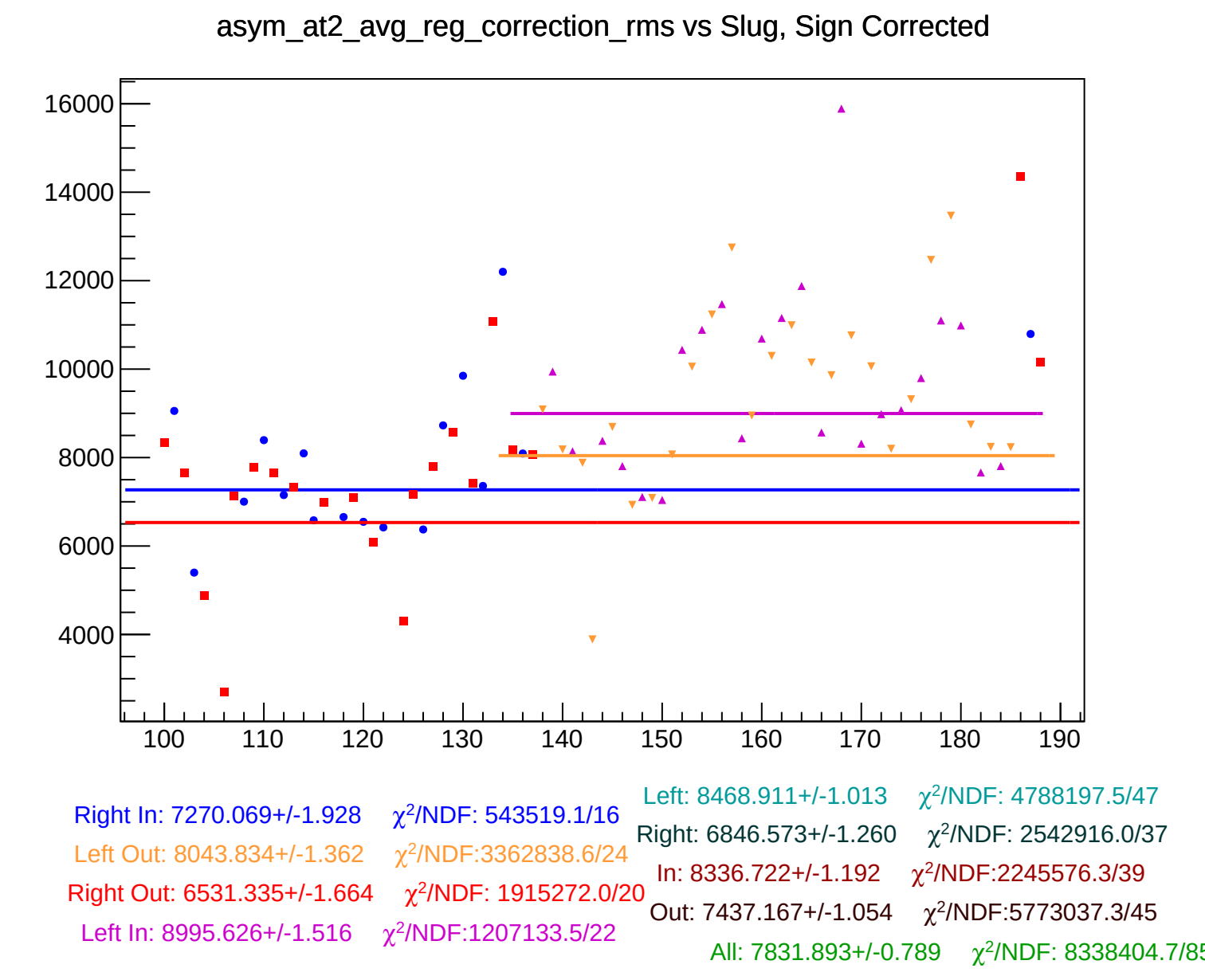
Left: -314.688+/-1432.465 χ^2/NDF: 43.3/47

Right: -2175.574+/-1781.545 χ^2/NDF: 40.4/37

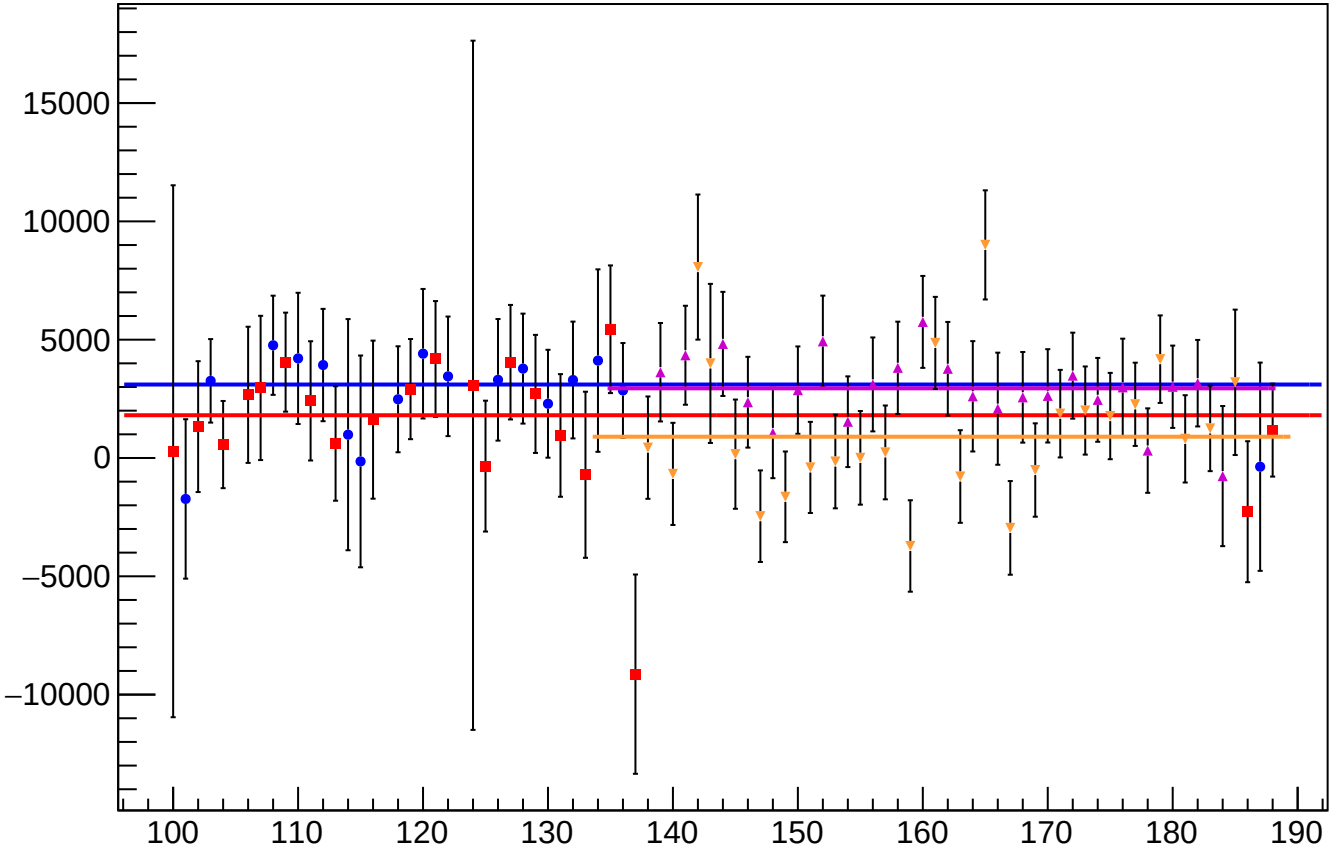
In: -680.529+/-1685.265 χ^2/NDF:29.0/39

Out: -1330.643+/-1490.196 χ^2/NDF:55.2/45

All: -1045.373+/-1116.354 χ^2/NDF: 84.3/85


asym_at2_avg_reg_correction_rms vs Slug, Sign Corrected
16000
14000
12000
10000
8000
6000
4000
100
110
120
130
140
150
160
170
180
190
Right In: 7270.069+/-1.928 χ²/NDF: 543519.1/16
Left Out: 8043.834+/-1.362 χ²/NDF:3362838.6/24
Right Out: 6531.335+/-1.664 χ²/NDF: 1915272.0/20
Left In: 8995.626+/-1.516 χ²/NDF:1207133.5/22
Left: 8468.911+/-1.013 χ²/NDF: 4788197.5/47
Right: 6846.573+/-1.260 χ²/NDF: 2542916.0/37
In: 8336.722+/-1.192 χ²/NDF:2245576.3/39
Out: 7437.167+/-1.054 χ²/NDF:5773037.3/45
All: 7831.893+/-0.789 χ²/NDF: 8338404.7/85

cor_asym_at2_avg_mean vs Slug, Sign Corrected



Right In: 3104.959+/-621.695 χ^2/NDF: 4.9/16

Left Out: 898.842+/-405.540 χ^2/NDF:45.3/24

Right Out: 1806.828+/-581.167 χ^2/NDF: 16.2/20

Left In: 2943.173+/-412.069 χ^2/NDF:10.6/22

Left: 1904.684+/-289.041 χ^2/NDF: 68.3/47

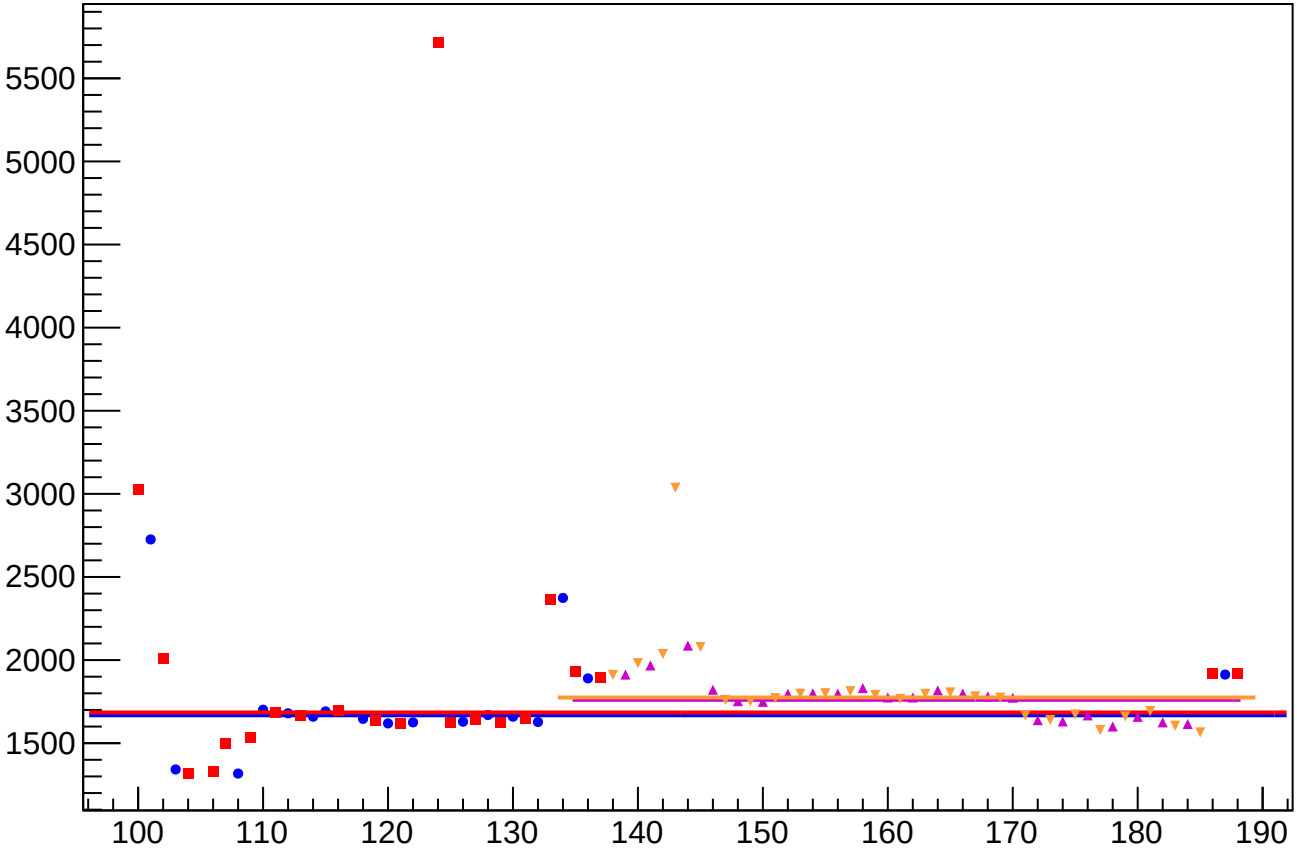
Right: 2412.205+/-424.552 χ^2/NDF: 23.4/37

In: 2992.555+/-343.472 χ^2/NDF:15.5/39

Out: 1196.183+/-332.574 χ^2/NDF:63.1/45

All: 2065.421+/-238.925 χ^2/NDF: 92.7/85

cor_asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 1667.886+/-0.440 χ^2/NDF: 421947.2/16

Left Out: 1774.731+/-0.287 χ^2/NDF:446895.7/24

Right Out: 1684.767+/-0.411 χ^2/NDF: 478089.3/20

Left In: 1761.089+/-0.291 χ^2/NDF:146266.6/22

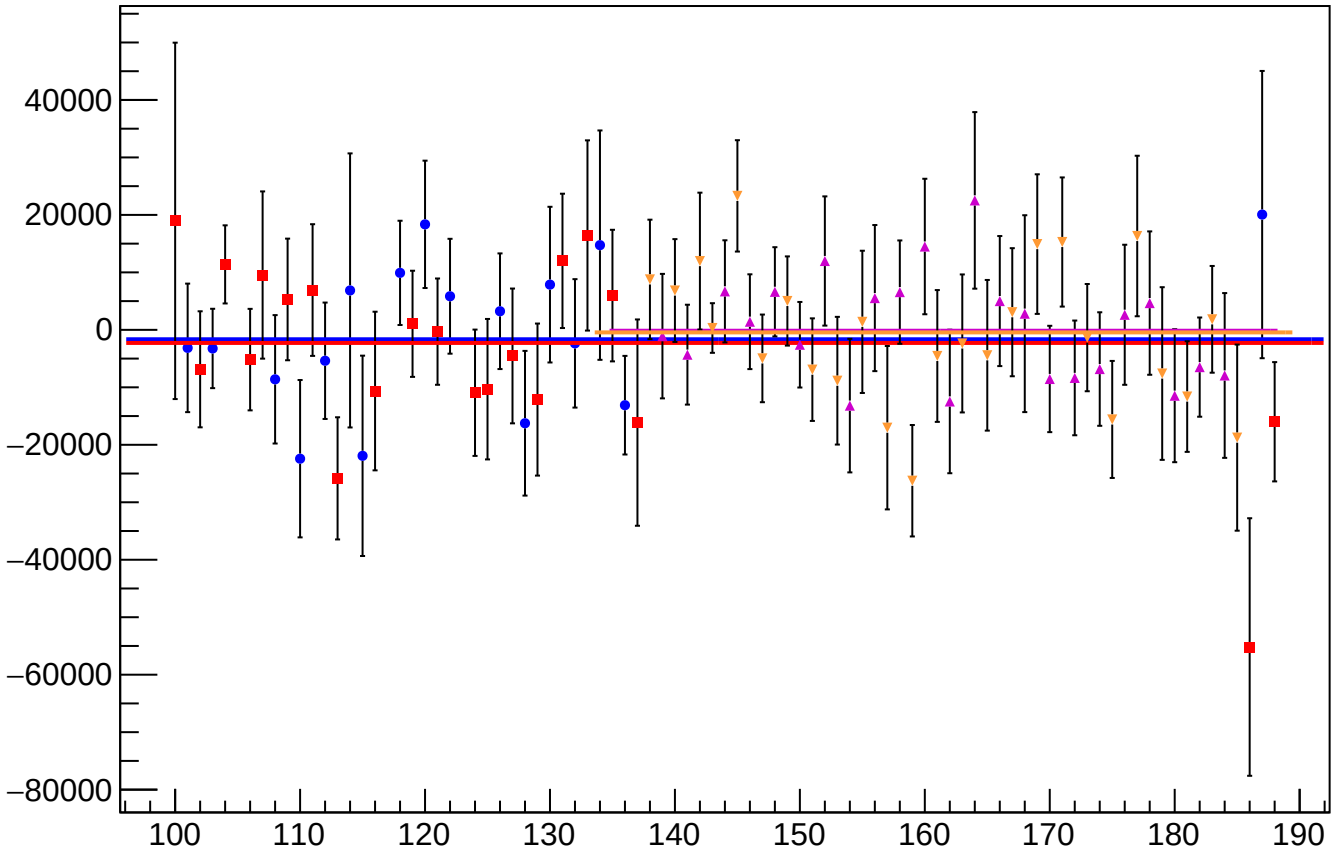
Left: 1768.019+/-0.204 χ^2/NDF: 594275.8/47

Right: 1676.895+/-0.300 χ^2/NDF: 900823.5/37

In: 1732.641+/-0.243 χ^2/NDF:599443.6/39

Out: 1745.270+/-0.235 χ^2/NDF:957215.8/45

All: 1739.159+/-0.169 χ^2/NDF: 1558055.0/85



Right In: -1639.332+/-2723.633 χ^2/NDF: 15.1/16

Left Out: -443.387+/-1925.600 χ^2/NDF:29.5/24

Right Out: -2275.947+/-2461.287 χ^2/NDF: 25.0/20

Left In: -155.239+/-2143.487 χ^2/NDF:13.8/22

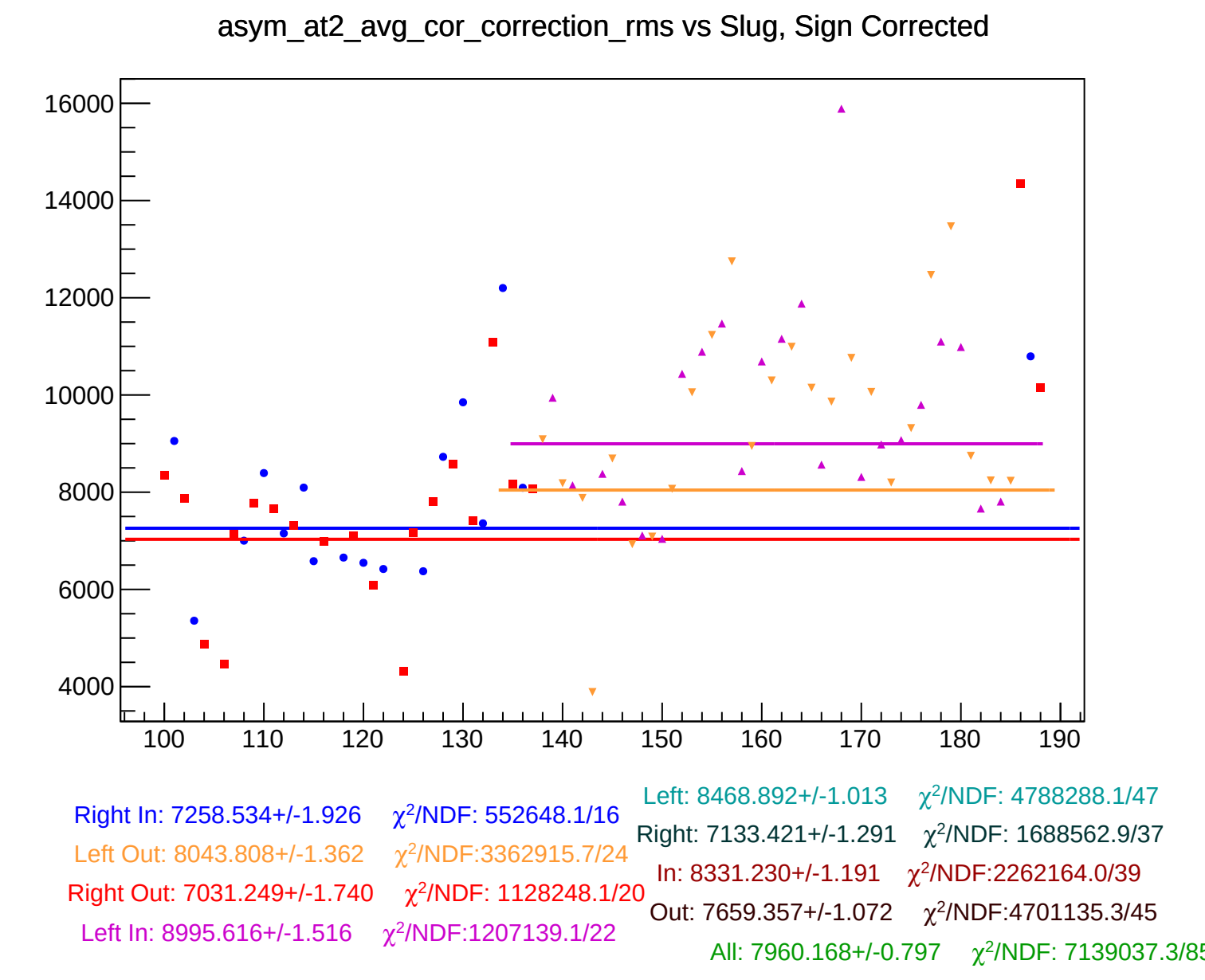
Left: -314.698+/-1432.462 χ^2/NDF: 43.3/47

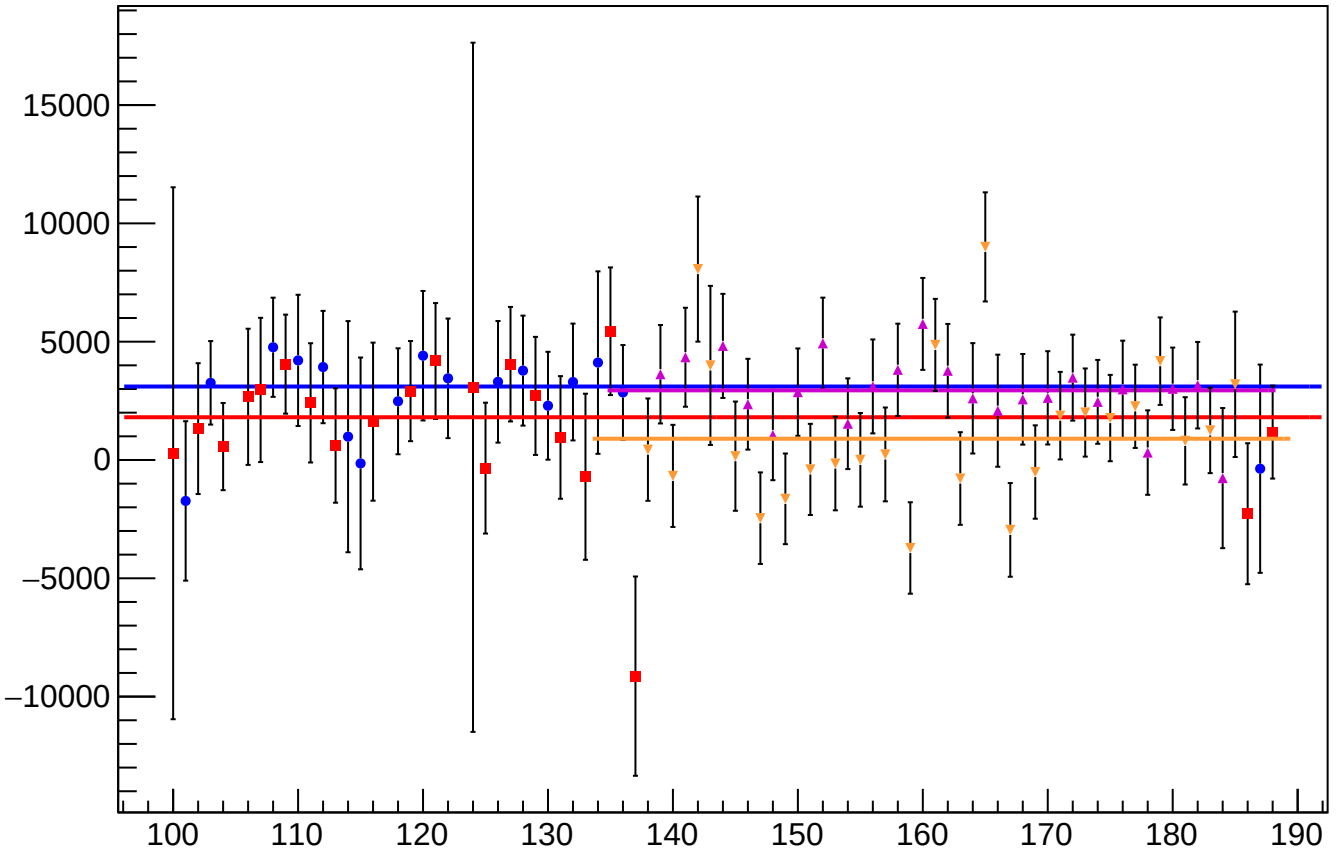
Right: -1989.768+/-1826.117 χ^2/NDF: 40.1/37

In: -722.864+/-1684.414 χ^2/NDF:29.1/39

Out: -1139.179+/-1516.607 χ^2/NDF:54.8/45

All: -952.786+/-1127.074 χ^2/NDF: 83.9/85


asym_at2_avg_cor_correction_rms vs Slug, Sign Corrected
16000
14000
12000
10000
8000
6000
4000
100
110
120
130
140
150
160
170
180
190
Right In: 7258.534+/-1.926 χ²/NDF: 552648.1/16
Left Out: 8043.808+/-1.362 χ²/NDF:3362915.7/24
Right Out: 7031.249+/-1.740 χ²/NDF: 1128248.1/20
Left In: 8995.616+/-1.516 χ²/NDF:1207139.1/22
Left: 8468.892+/-1.013 χ²/NDF: 4788288.1/47
Right: 7133.421+/-1.291 χ²/NDF: 1688562.9/37
In: 8331.230+/-1.191 χ²/NDF:2262164.0/39
Out: 7659.357+/-1.072 χ²/NDF:4701135.3/45
All: 7960.168+/-0.797 χ²/NDF: 7139037.3/85



Right In: 3104.959+/-621.695 χ^2/NDF: 4.9/16

Left Out: 898.842+/-405.540 χ^2/NDF:45.3/24

Right Out: 1806.828+/-581.167 χ^2/NDF: 16.2/20

Left In: 2943.173+/-412.069 χ^2/NDF:10.6/22

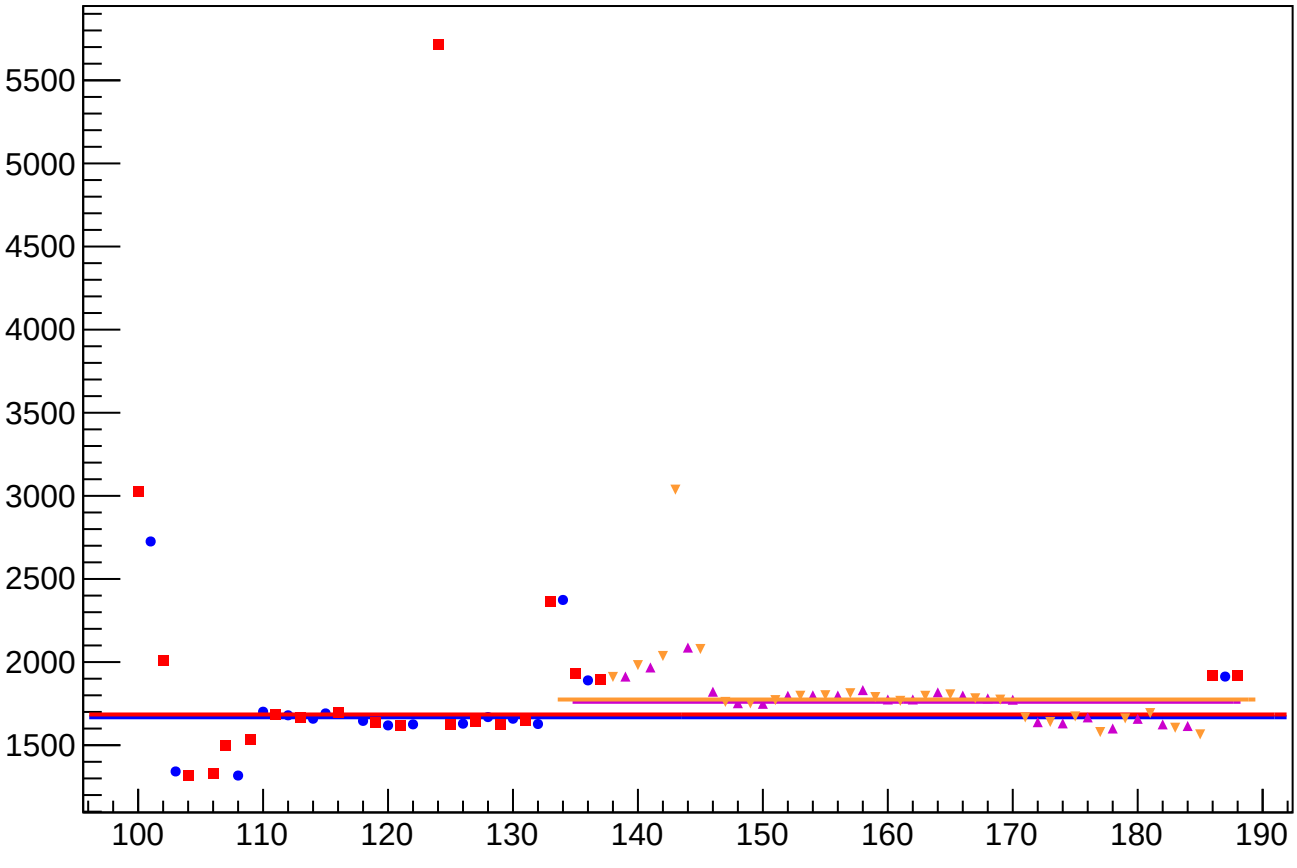
Left: 1904.684+/-289.041 χ^2/NDF: 68.3/47

Right: 2412.205+/-424.552 χ^2/NDF: 23.4/37

In: 2992.555+/-343.472 χ^2/NDF:15.5/39

Out: 1196.183+/-332.574 χ^2/NDF:63.1/45

All: 2065.421+/-238.925 χ^2/NDF: 92.7/85



Right In: 1667.886+/-0.440 χ^2/NDF: 421947.2/16

Left Out: 1774.731+/-0.287 χ^2/NDF:446895.7/24

Right Out: 1684.767+/-0.411 χ^2/NDF: 478089.3/20

Left In: 1761.089+/-0.291 χ^2/NDF:146266.6/22

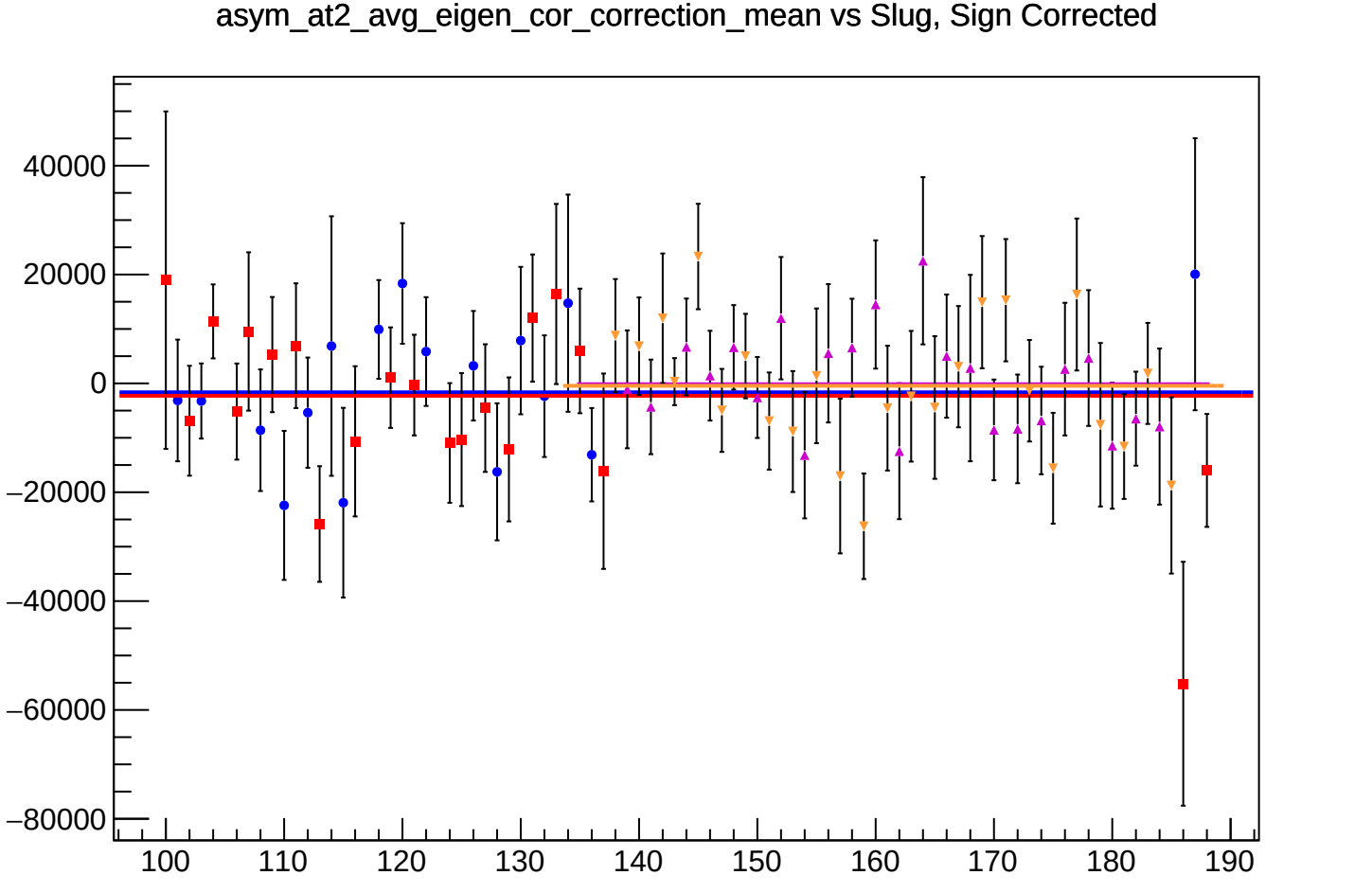
Left: 1768.019+/-0.204 χ^2/NDF: 594275.8/47

Right: 1676.895+/-0.300 χ^2/NDF: 900823.5/37

In: 1732.641+/-0.243 χ^2/NDF:599443.6/39

Out: 1745.270+/-0.235 χ^2/NDF:957215.8/45

All: 1739.159+/-0.169 χ^2/NDF: 1558055.0/85



Right In: -1639.332+/-2723.633 χ^2/NDF: 15.1/16

Left Out: -443.387+/-1925.600 χ^2/NDF:29.5/24

Right Out: -2275.947+/-2461.287 χ^2/NDF: 25.0/20

Left In: -155.239+/-2143.487 χ^2/NDF:13.8/22

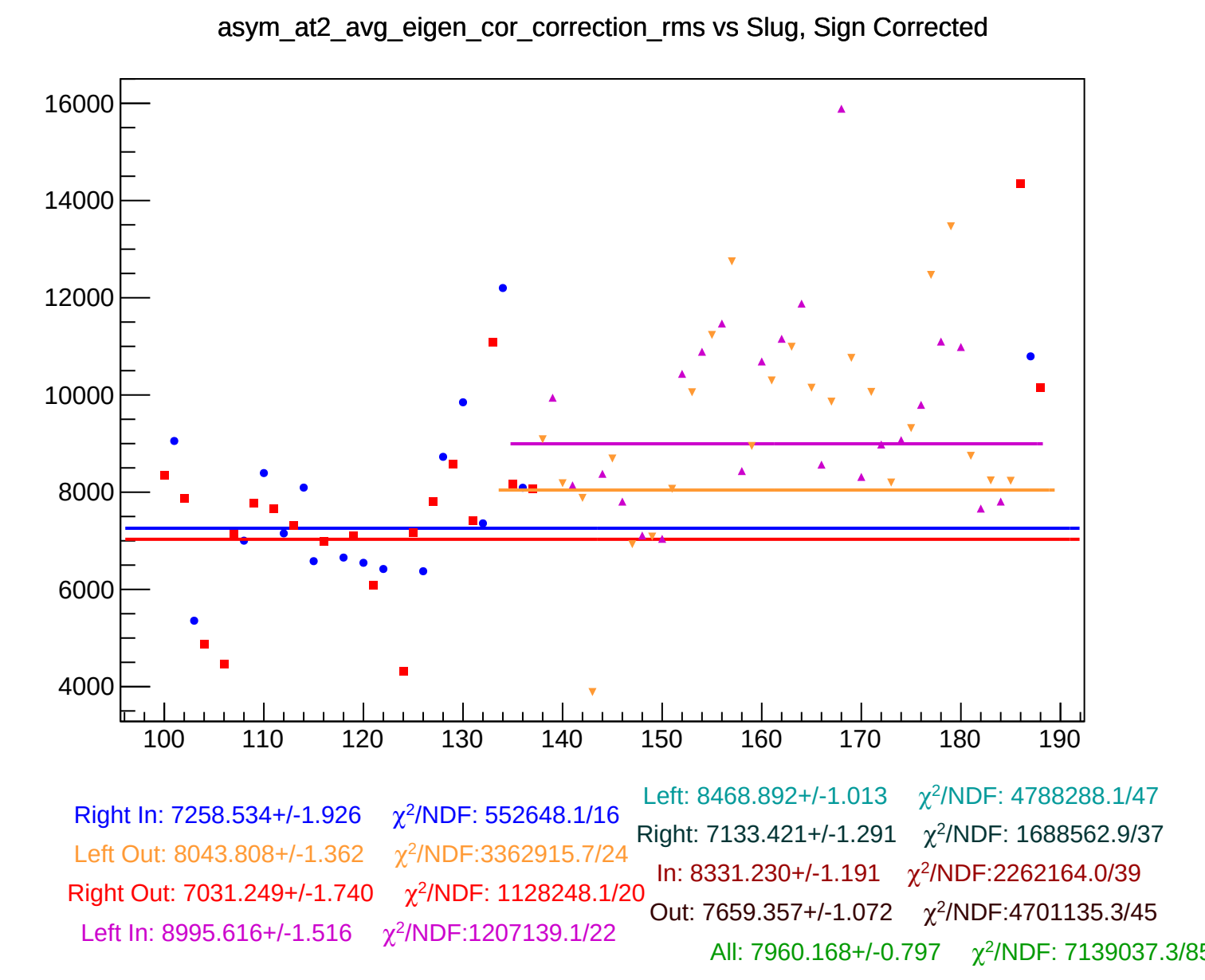
Left: -314.698+/-1432.462 χ^2/NDF: 43.3/47

Right: -1989.768+/-1826.117 χ^2/NDF: 40.1/37

In: -722.864+/-1684.414 χ^2/NDF:29.1/39

Out: -1139.179+/-1516.607 χ^2/NDF:54.8/45

All: -952.786+/-1127.074 χ^2/NDF: 83.9/85


asym_at2_avg_eigen_cor_correction_rms vs Slug, Sign Corrected
16000
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4000
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180
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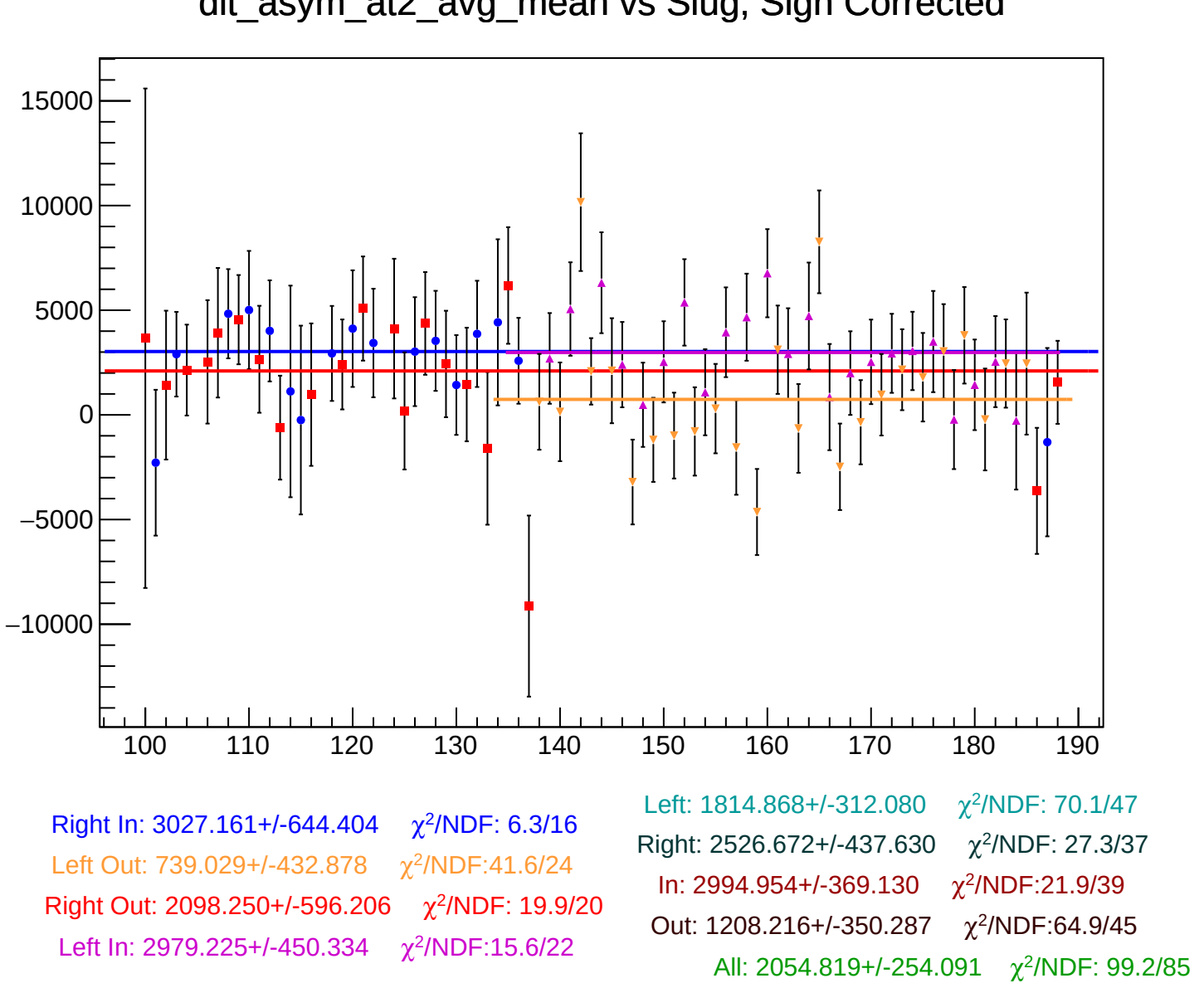
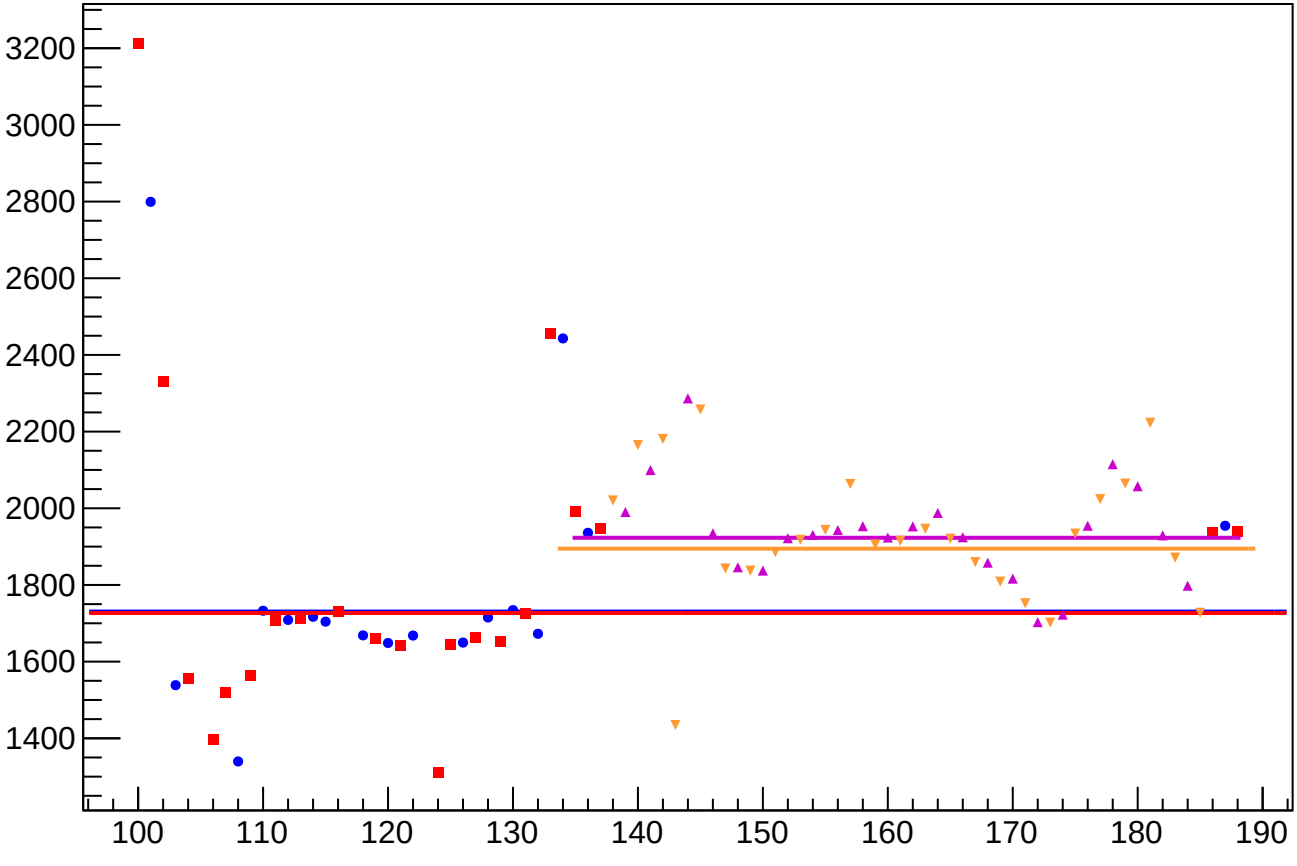
Right In: 7258.534+/-1.926 χ²/NDF: 552648.1/16
Left Out: 8043.808+/-1.362 χ²/NDF:3362915.7/24
Right Out: 7031.249+/-1.740 χ²/NDF: 1128248.1/20
Left In: 8995.616+/-1.516 χ²/NDF:1207139.1/22
Left: 8468.892+/-1.013 χ²/NDF: 4788288.1/47
Right: 7133.421+/-1.291 χ²/NDF: 1688562.9/37
In: 8331.230+/-1.191 χ²/NDF:2262164.0/39
Out: 7659.357+/-1.072 χ²/NDF:4701135.3/45
All: 7960.168+/-0.797 χ²/NDF: 7139037.3/85


dit_asym_at2_avg_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
180
190
Right In: 3027.161+/-644.404 χ²/NDF: 6.3/16
Left Out: 739.029+/-432.878 χ²/NDF:41.6/24
Right Out: 2098.250+/-596.206 χ²/NDF: 19.9/20
Left In: 2979.225+/-450.334 χ²/NDF:15.6/22
Left: 1814.868+/-312.080 χ²/NDF: 70.1/47
Right: 2526.672+/-437.630 χ²/NDF: 27.3/37
In: 2994.954+/-369.130 χ²/NDF:21.9/39
Out: 1208.216+/-350.287 χ²/NDF:64.9/45
All: 2054.819+/-254.091 χ²/NDF: 99.2/85

dit_asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 1730.598+/-0.456 χ^2/NDF: 370689.8/16

Left Out: 1894.684+/-0.306 χ^2/NDF:368587.1/24

Right Out: 1726.791+/-0.421 χ^2/NDF: 322972.6/20

Left In: 1923.038+/-0.318 χ^2/NDF:150977.3/22

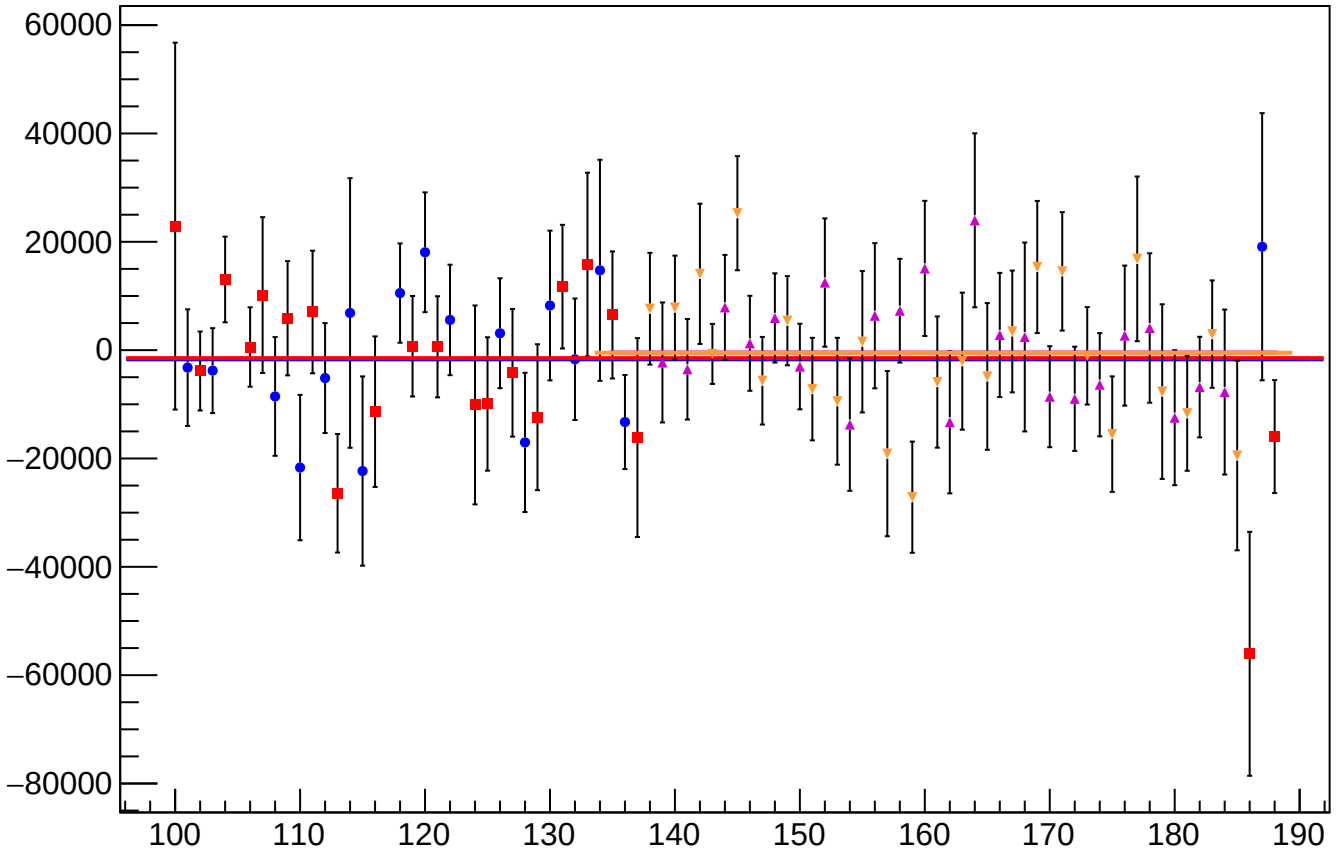
Left: 1908.301+/-0.221 χ^2/NDF: 523685.2/47

Right: 1728.546+/-0.309 χ^2/NDF: 693700.0/37

In: 1859.894+/-0.261 χ^2/NDF:641505.0/39

Out: 1836.705+/-0.248 χ^2/NDF:795456.5/45

All: 1847.691+/-0.180 χ^2/NDF: 1441114.8/85



Right In: -1690.943+/-2780.464 χ^2/NDF: 15.1/16

Left Out: -479.338+/-2089.235 χ^2/NDF:28.8/24

Right Out: -1473.176+/-2443.674 χ^2/NDF: 24.3/20

Left In: -436.717+/-2245.180 χ^2/NDF:13.6/22

Left: -459.559+/-1529.474 χ^2/NDF: 42.4/47

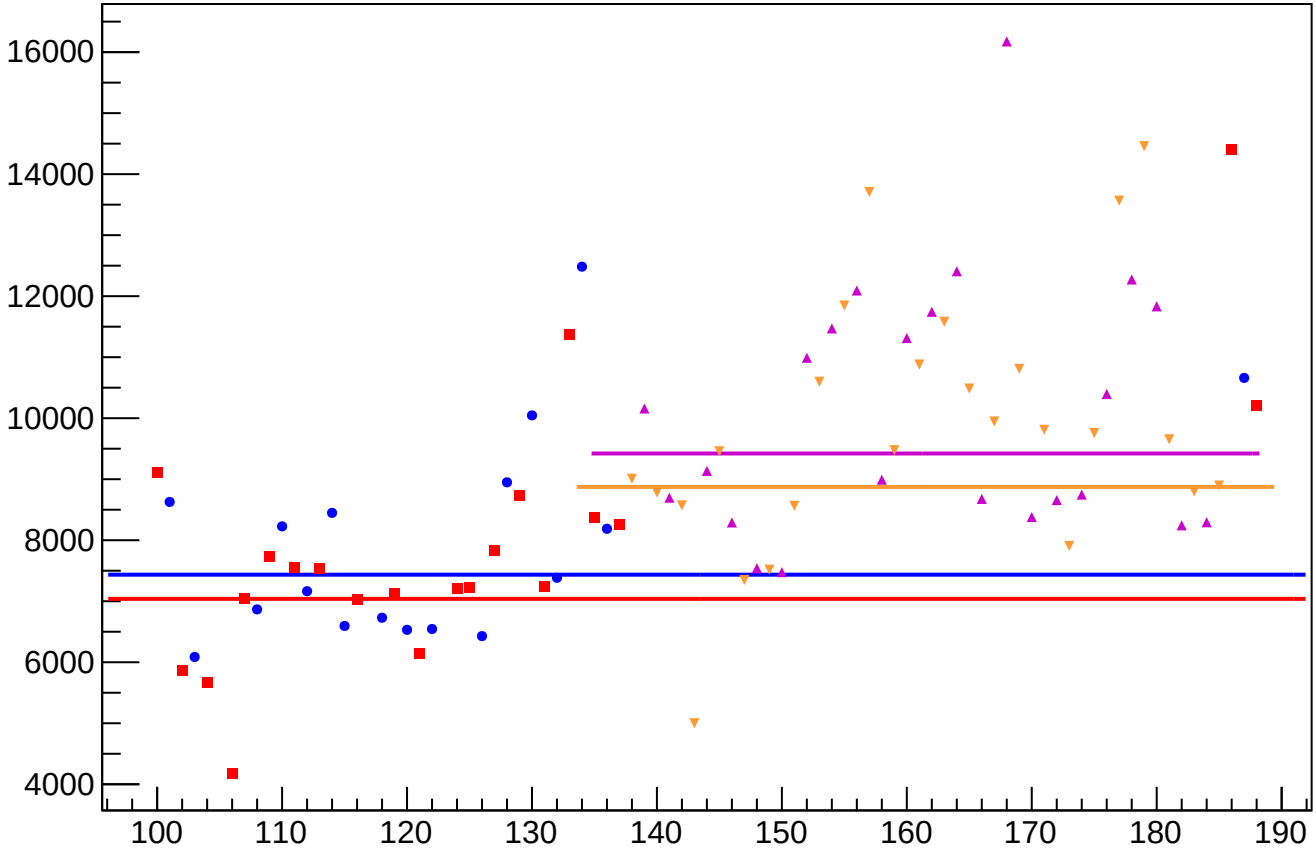
Right: -1568.078+/-1835.525 χ^2/NDF: 39.4/37

In: -931.740+/-1746.796 χ^2/NDF:28.8/39

Out: -899.019+/-1587.980 χ^2/NDF:53.2/45

All: -913.825+/-1175.015 χ^2/NDF: 82.0/85

asym_at2_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 7435.156+/-1.966 χ^2/NDF: 436482.0/16

Left Out: 8873.592+/-1.477 χ^2/NDF:2203249.6/24

Right Out: 7039.125+/-1.728 χ^2/NDF: 1068107.9/20

Left In: 9421.708+/-1.588 χ^2/NDF:1204848.0/22

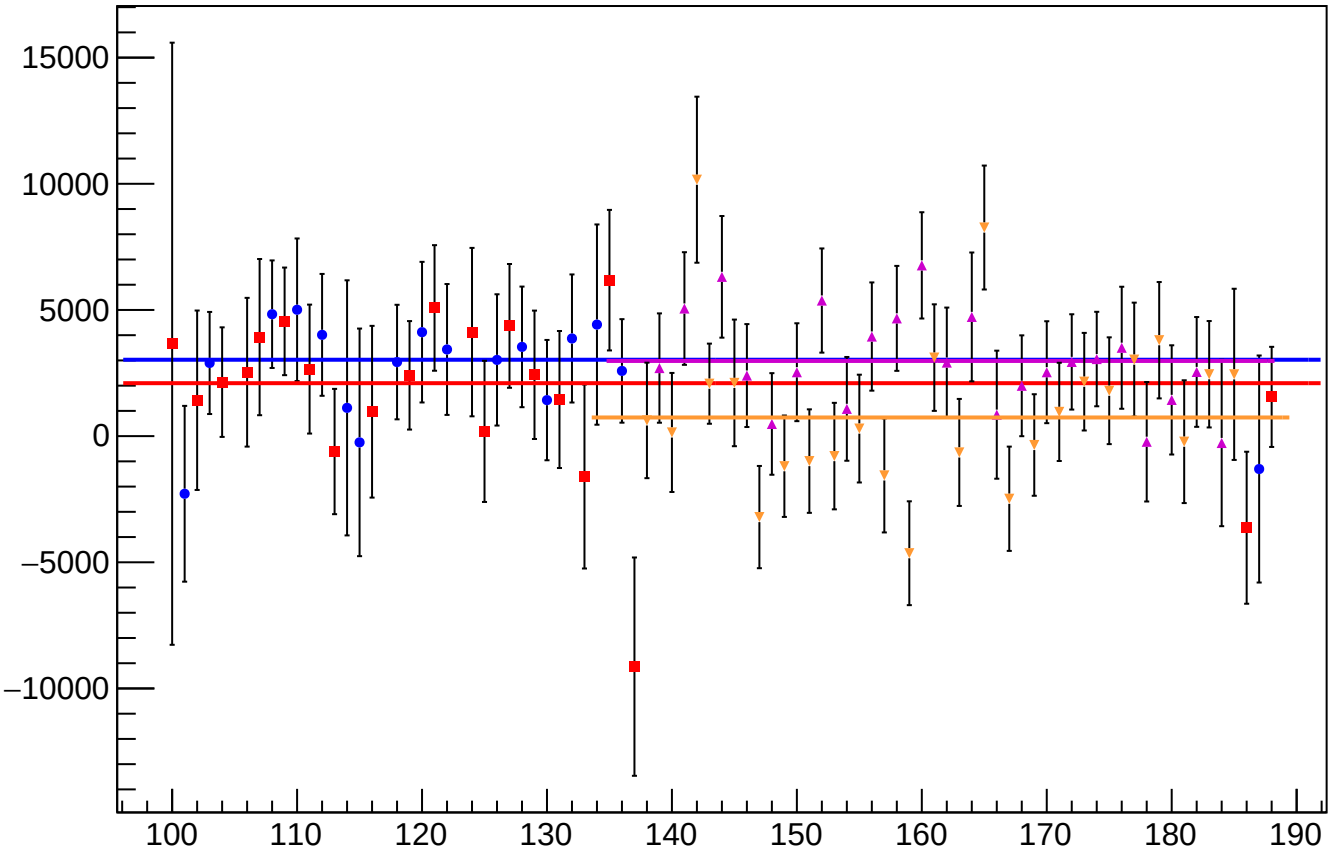
Left: 9127.955+/-1.082 χ^2/NDF: 3471980.0/47

Right: 7211.715+/-1.298 χ^2/NDF: 1527482.2/37

In: 8637.647+/-1.235 χ^2/NDF:2259314.1/39

Out: 8098.928+/-1.123 χ^2/NDF:3922504.6/45

All: 8342.690+/-0.831 χ^2/NDF: 6285970.5/85



Right In: 3027.165+/-644.404 χ^2/NDF: 6.3/16

Left Out: 739.018+/-432.879 χ^2/NDF:41.6/24

Right Out: 2098.259+/-596.206 χ^2/NDF: 19.9/20

Left In: 2979.226+/-450.335 χ^2/NDF:15.6/22

Left: 1814.862+/-312.080 χ^2/NDF: 70.1/47

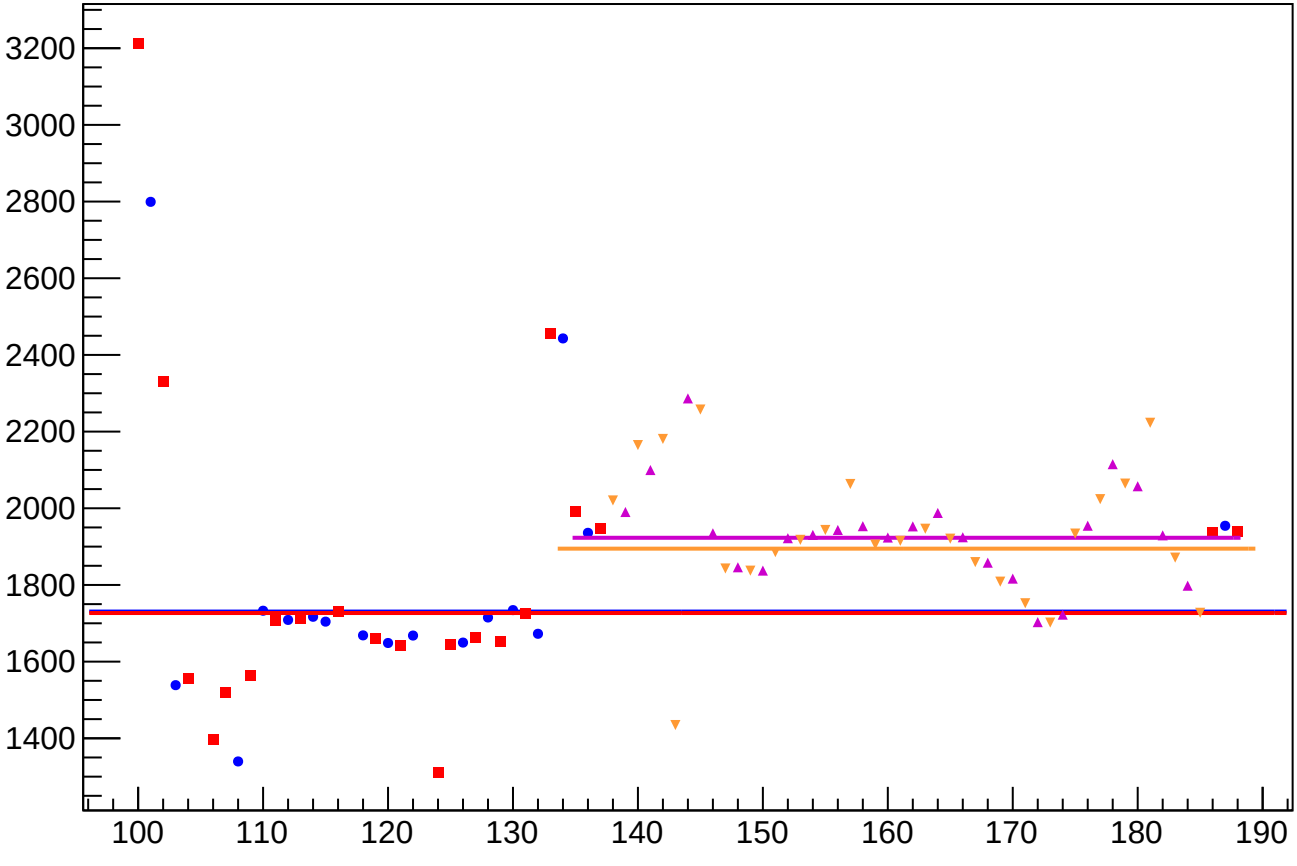
Right: 2526.679+/-437.630 χ^2/NDF: 27.3/37

In: 2994.956+/-369.130 χ^2/NDF:21.9/39

Out: 1208.212+/-350.287 χ^2/NDF:64.9/45

All: 2054.819+/-254.091 χ^2/NDF: 99.2/85

eigen_dit_asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 1730.597+/-0.456 χ^2/NDF: 370689.9/16

Left Out: 1894.687+/-0.306 χ^2/NDF:368594.6/24

Right Out: 1726.791+/-0.421 χ^2/NDF: 322972.8/20

Left In: 1923.042+/-0.318 χ^2/NDF:150984.8/22

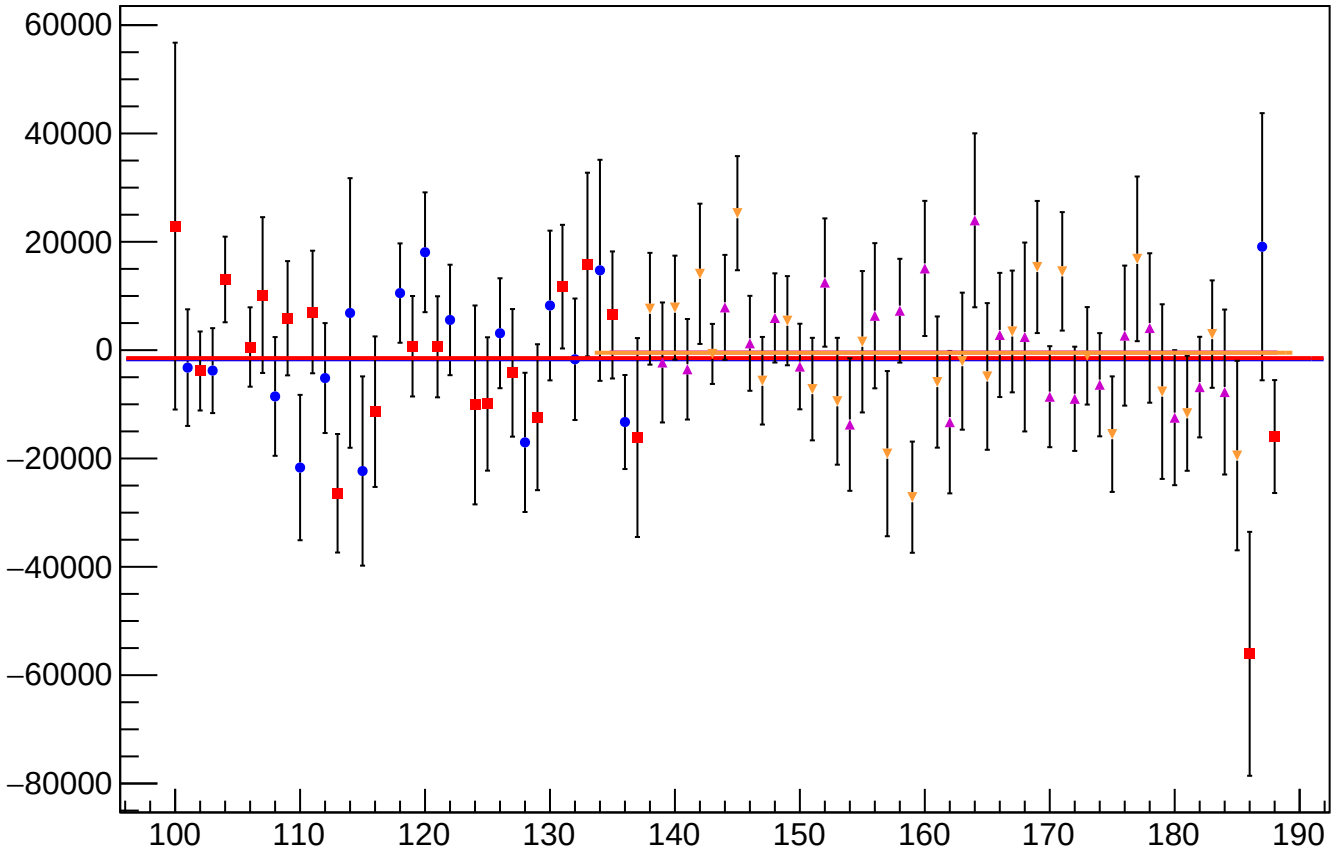
Left: 1908.304+/-0.221 χ^2/NDF: 523700.4/47

Right: 1728.546+/-0.309 χ^2/NDF: 693700.3/37

In: 1859.895+/-0.261 χ^2/NDF:641517.1/39

Out: 1836.707+/-0.248 χ^2/NDF:795468.5/45

All: 1847.693+/-0.180 χ^2/NDF: 1441139.0/85



Right In: -1690.923+/-2780.457 χ^2/NDF: 15.1/16

Left Out: -479.345+/-2089.238 χ^2/NDF:28.8/24

Right Out: -1473.164+/-2443.669 χ^2/NDF: 24.3/20

Left In: -436.720+/-2245.183 χ^2/NDF:13.6/22

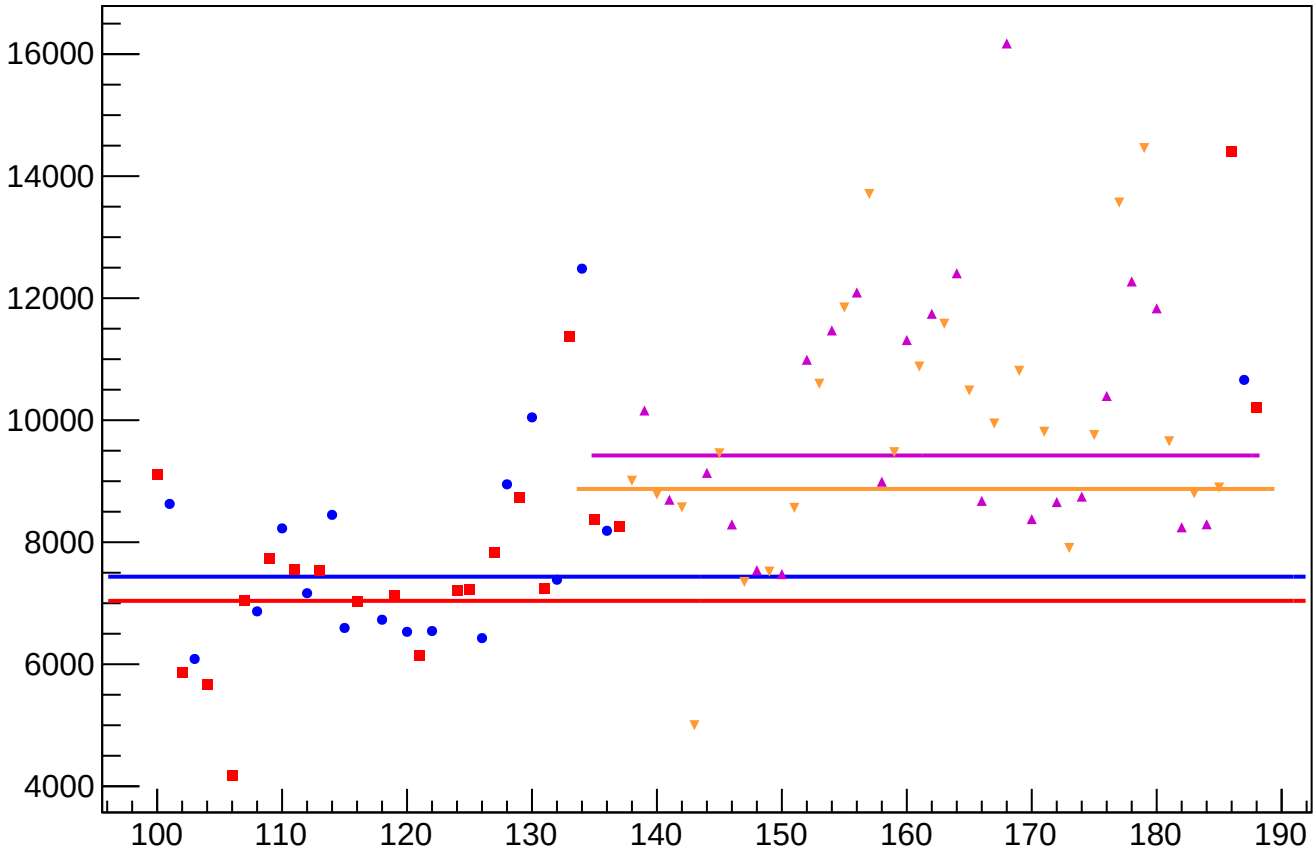
Left: -459.564+/-1529.476 χ^2/NDF: 42.4/47

Right: -1568.063+/-1835.521 χ^2/NDF: 39.4/37

In: -931.736+/-1746.796 χ^2/NDF:28.8/39

Out: -899.019+/-1587.980 χ^2/NDF:53.2/45

All: -913.823+/-1175.015 χ^2/NDF: 82.0/85



Right In: 7435.139+/-1.966 χ^2/NDF: 436484.9/16

Left Out: 8873.607+/-1.477 χ^2/NDF:2203251.2/24

Right Out: 7039.111+/-1.728 χ^2/NDF: 1068110.3/20

Left In: 9421.722+/-1.588 χ^2/NDF:1204851.9/22

Left: 9127.970+/-1.082 χ^2/NDF: 3471985.2/47

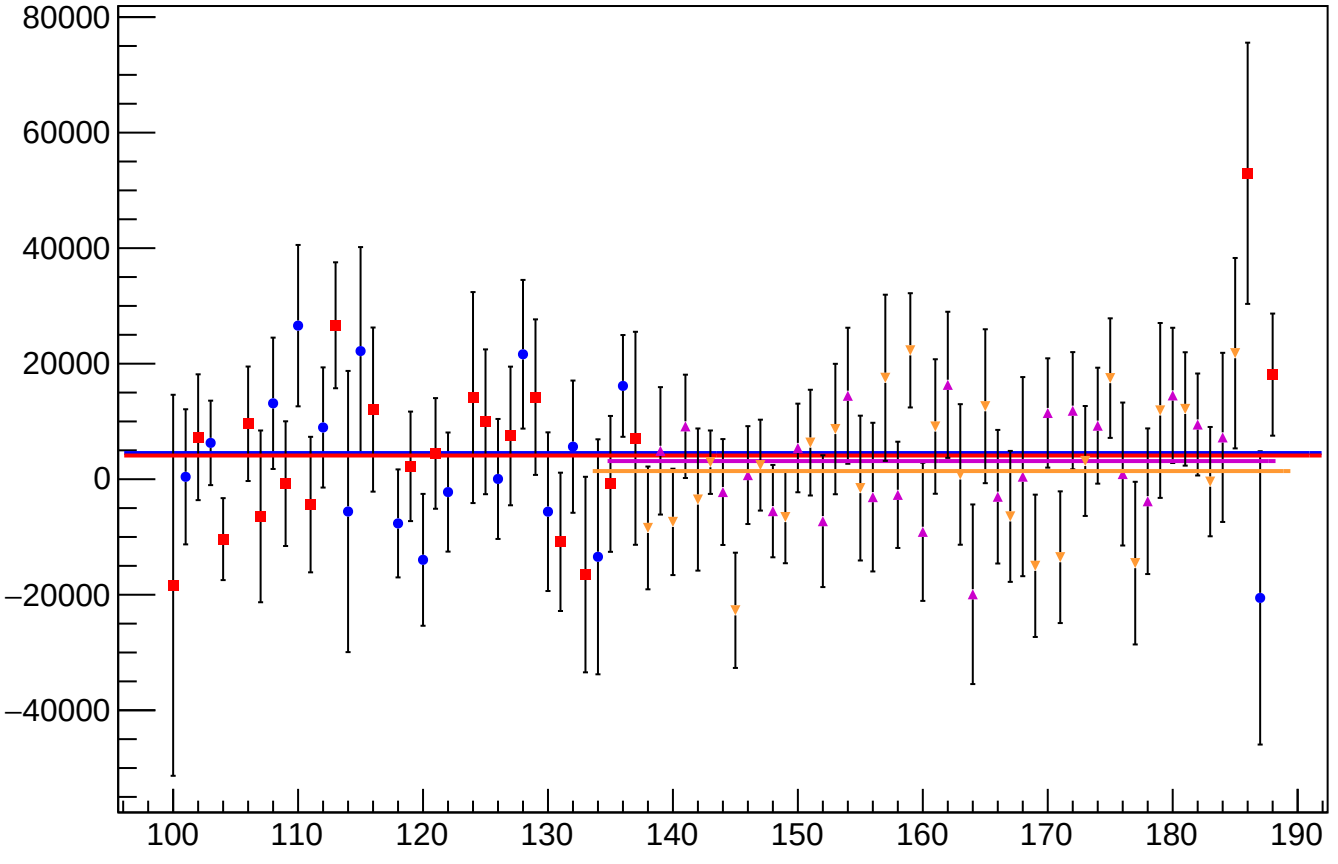
Right: 7211.699+/-1.298 χ^2/NDF: 1527487.2/37

In: 8637.645+/-1.235 χ^2/NDF:2259341.5/39

Out: 8098.927+/-1.123 χ^2/NDF:3922529.3/45

All: 8342.688+/-0.831 χ^2/NDF: 6286022.2/85

asym_at2_avg_mean vs Slug, Sign Corrected



Right In: 4526.460+/-2811.516 χ^2/NDF: 15.3/16

Left Out: 1408.316+/-2039.907 χ^2/NDF:27.4/24

Right Out: 4101.070+/-2594.673 χ^2/NDF: 21.7/20

Left In: 3139.264+/-2189.465 χ^2/NDF:13.0/22

Left: 2212.657+/-1492.506 χ^2/NDF: 40.7/47

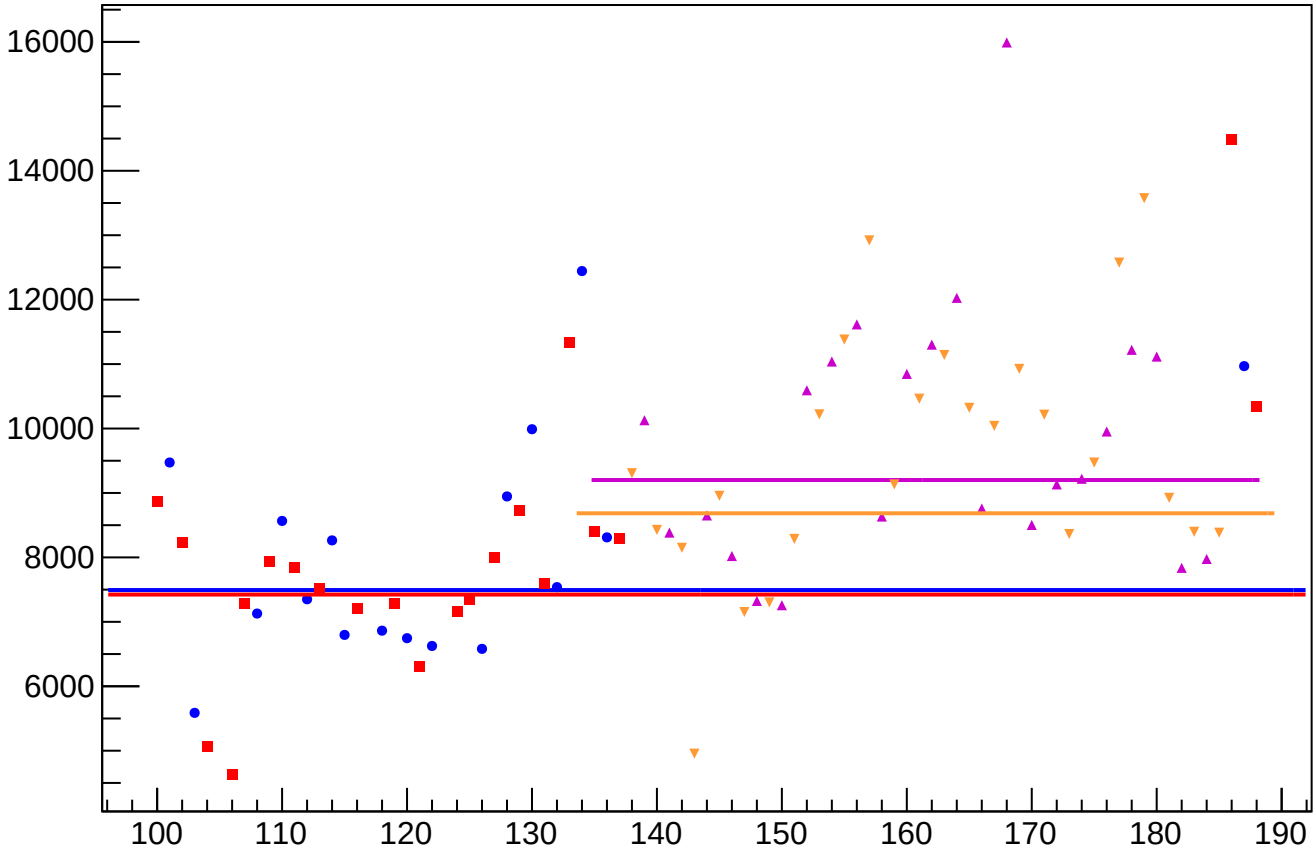
Right: 4296.730+/-1906.768 χ^2/NDF: 37.0/37

In: 3662.943+/-1727.446 χ^2/NDF:28.4/39

Out: 2436.920+/-1603.645 χ^2/NDF:49.8/45

All: 3004.429+/-1175.280 χ^2/NDF: 78.5/85

asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 7493.136+/-1.988 χ^2/NDF: 524369.6/16

Left Out: 8684.549+/-1.442 χ^2/NDF:2051622.3/24

Right Out: 7423.515+/-1.835 χ^2/NDF: 928080.9/20

Left In: 9200.796+/-1.548 χ^2/NDF:1129421.3/22

Left: 8924.440+/-1.055 χ^2/NDF: 3240566.0/47

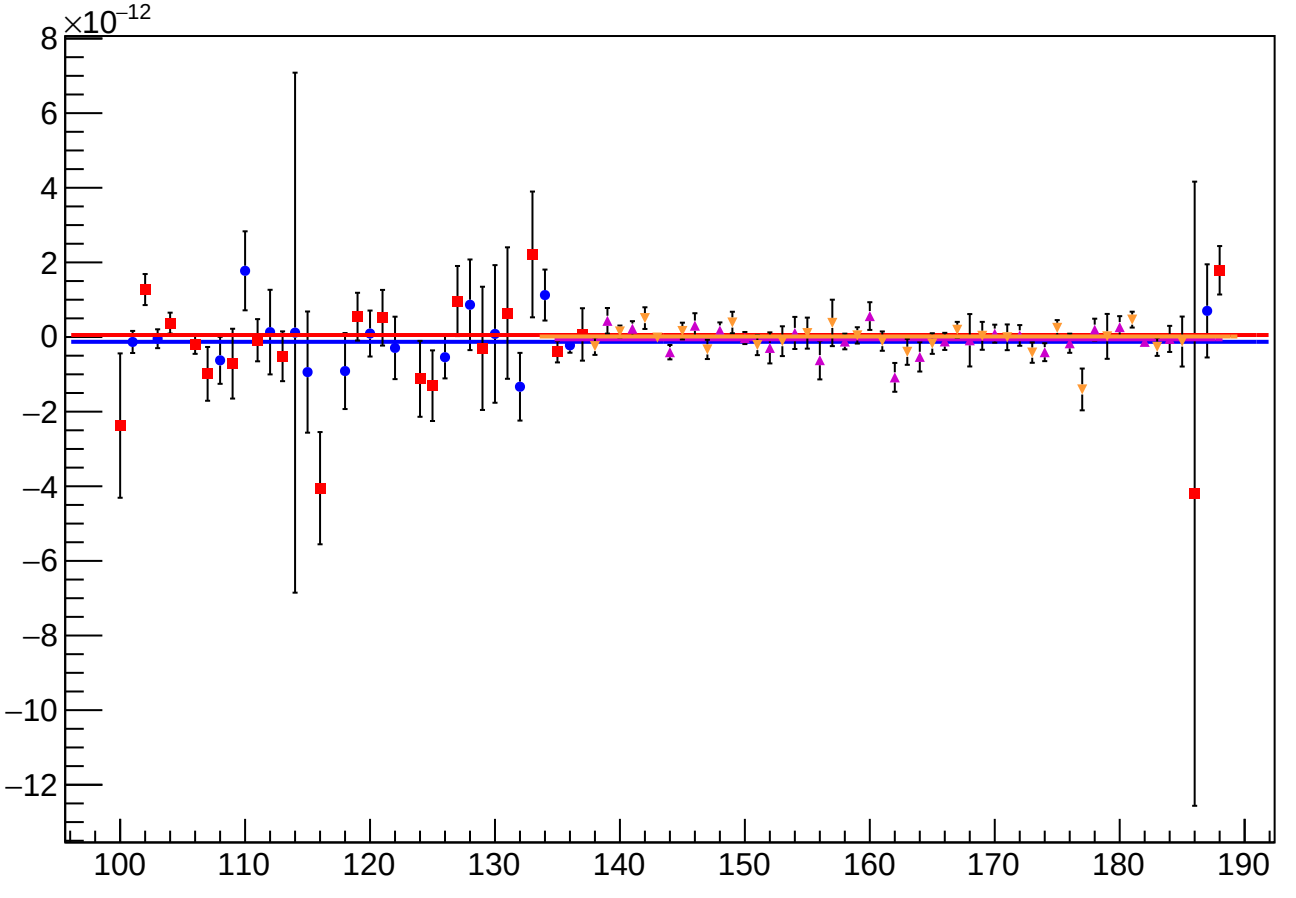
Right: 7455.536+/-1.348 χ^2/NDF: 1453112.9/37

In: 8556.132+/-1.221 χ^2/NDF:2113083.4/39

Out: 8202.809+/-1.134 χ^2/NDF:3271680.2/45

All: 8366.353+/-0.831 χ^2/NDF: 5429704.6/85

asym_at2_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 12.0/16

Left Out: 0.000+/-0.000 χ^2/NDF:28.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 40.4/20

Left In: -0.000+/-0.000 χ^2/NDF:27.8/22

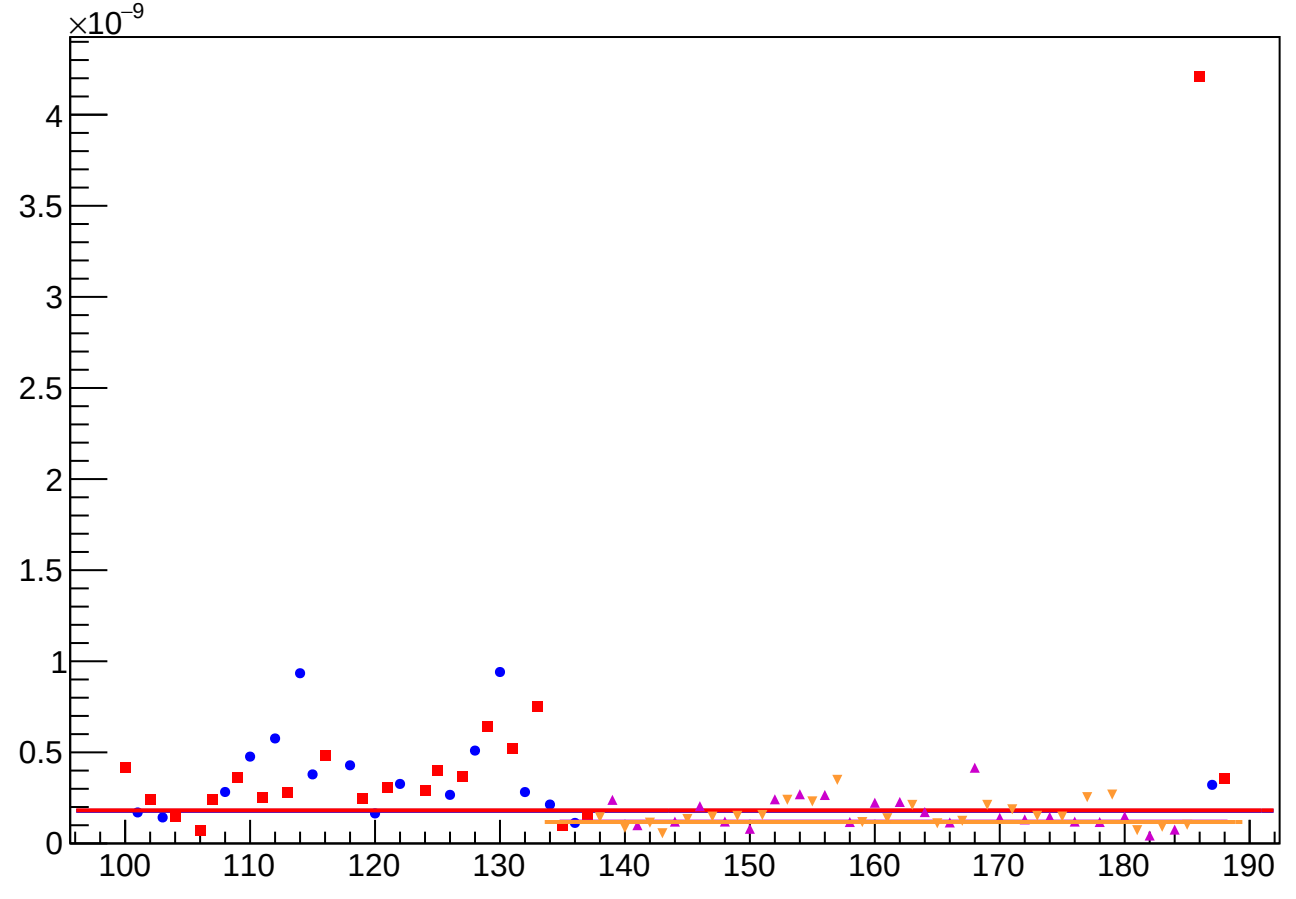
Left: -0.000+/-0.000 χ^2/NDF: 57.7/47

Right: -0.000+/-0.000 χ^2/NDF: 53.6/37

In: -0.000+/-0.000 χ^2/NDF:40.1/39

Out: 0.000+/-0.000 χ^2/NDF:69.3/45

All: -0.000+/-0.000 χ^2/NDF: 111.4/85



Right In: 0.000+/-0.000 χ^2/NDF: 1556433.2/16

Left Out: 0.000+/-0.000 χ^2/NDF:2335885.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2255039.2/20

Left In: 0.000+/-0.000 χ^2/NDF:2660632.2/22

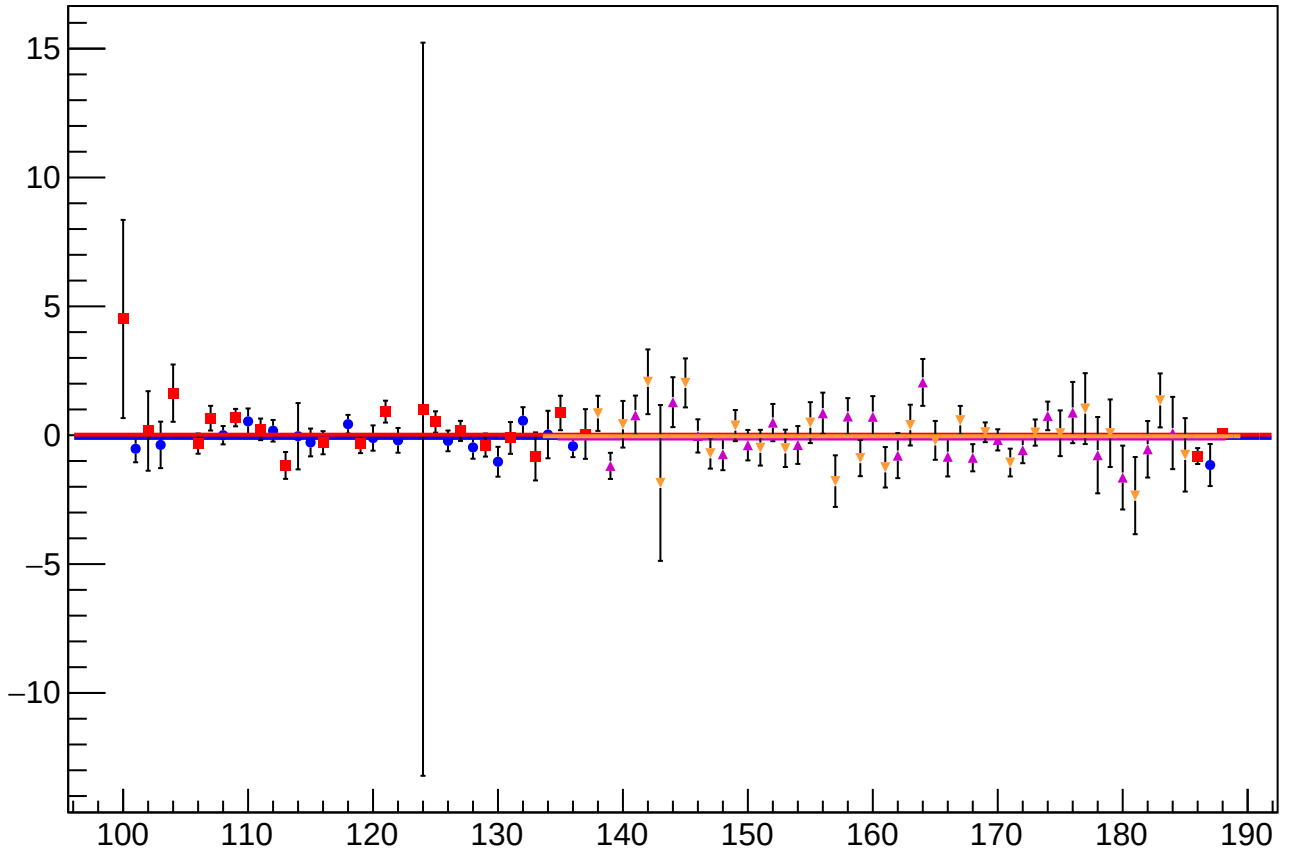
Left: 0.000+/-0.000 χ^2/NDF: 4998299.1/47

Right: 0.000+/-0.000 χ^2/NDF: 3811986.0/37

In: 0.000+/-0.000 χ^2/NDF:4629477.9/39

Out: 0.000+/-0.000 χ^2/NDF:5072091.7/45

All: 0.000+/-0.000 χ^2/NDF: 9704631.8/85



Right In: -0.103+/-0.121 χ^2/NDF: 12.5/16

Left Out: -0.041+/-0.148 χ^2/NDF:30.1/24

Right Out: 0.021+/-0.094 χ^2/NDF: 33.3/20

Left In: -0.128+/-0.145 χ^2/NDF:29.0/22

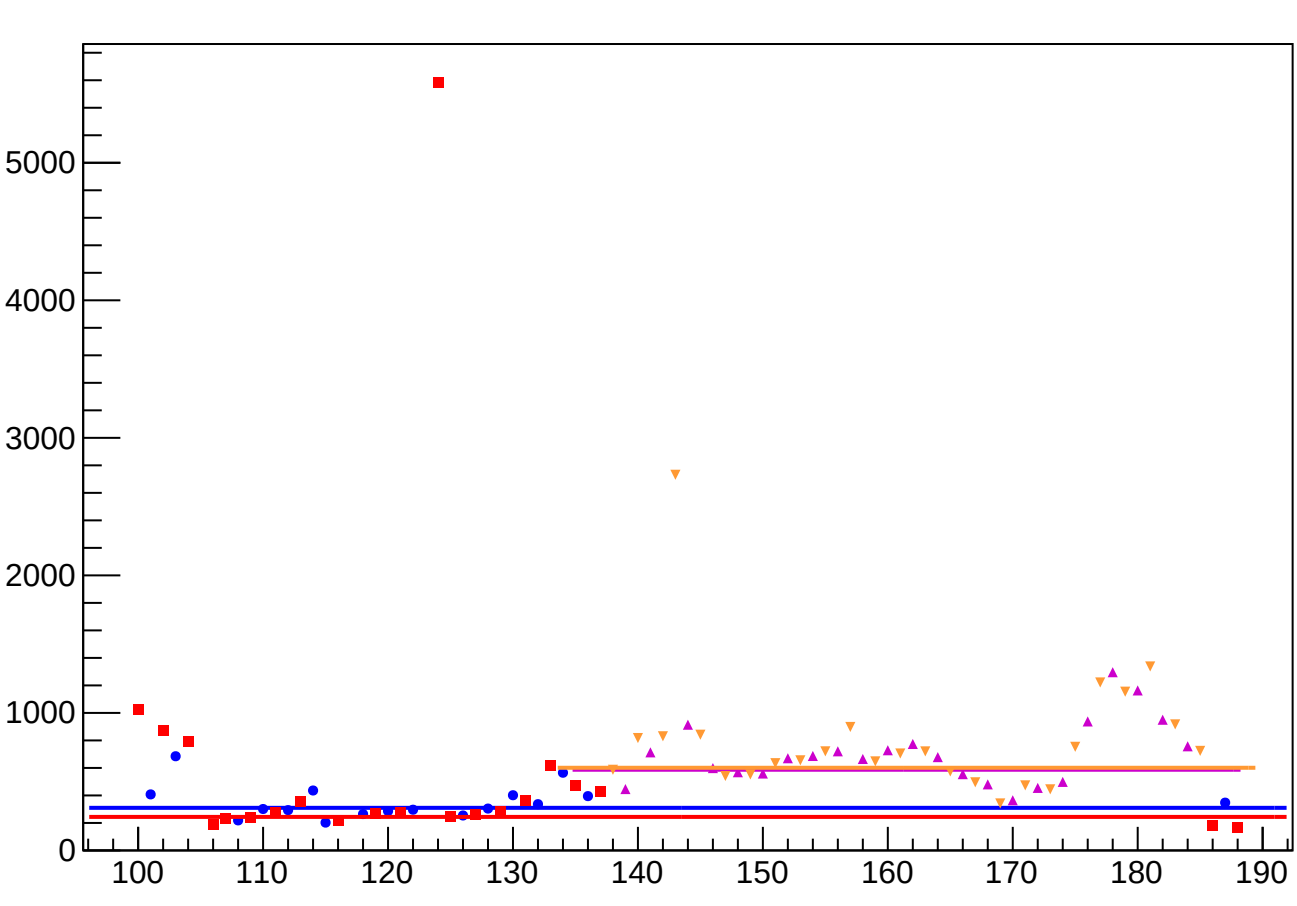
Left: -0.085+/-0.103 χ^2/NDF: 59.3/47

Right: -0.026+/-0.074 χ^2/NDF: 46.5/37

In: -0.113+/-0.093 χ^2/NDF:41.5/39

Out: 0.003+/-0.079 χ^2/NDF:63.6/45

All: -0.046+/-0.060 χ^2/NDF: 106.0/85



Right In: 309.932+/-0.085 χ^2/NDF: 1018959.4/16

Left Out: 601.214+/-0.104 χ^2/NDF:4460456.7/24

Right Out: 243.918+/-0.066 χ^2/NDF: 2524526.7/20

Left In: 586.817+/-0.103 χ^2/NDF:2934488.2/22

Left: 593.901+/-0.073 χ^2/NDF: 7404620.8/47

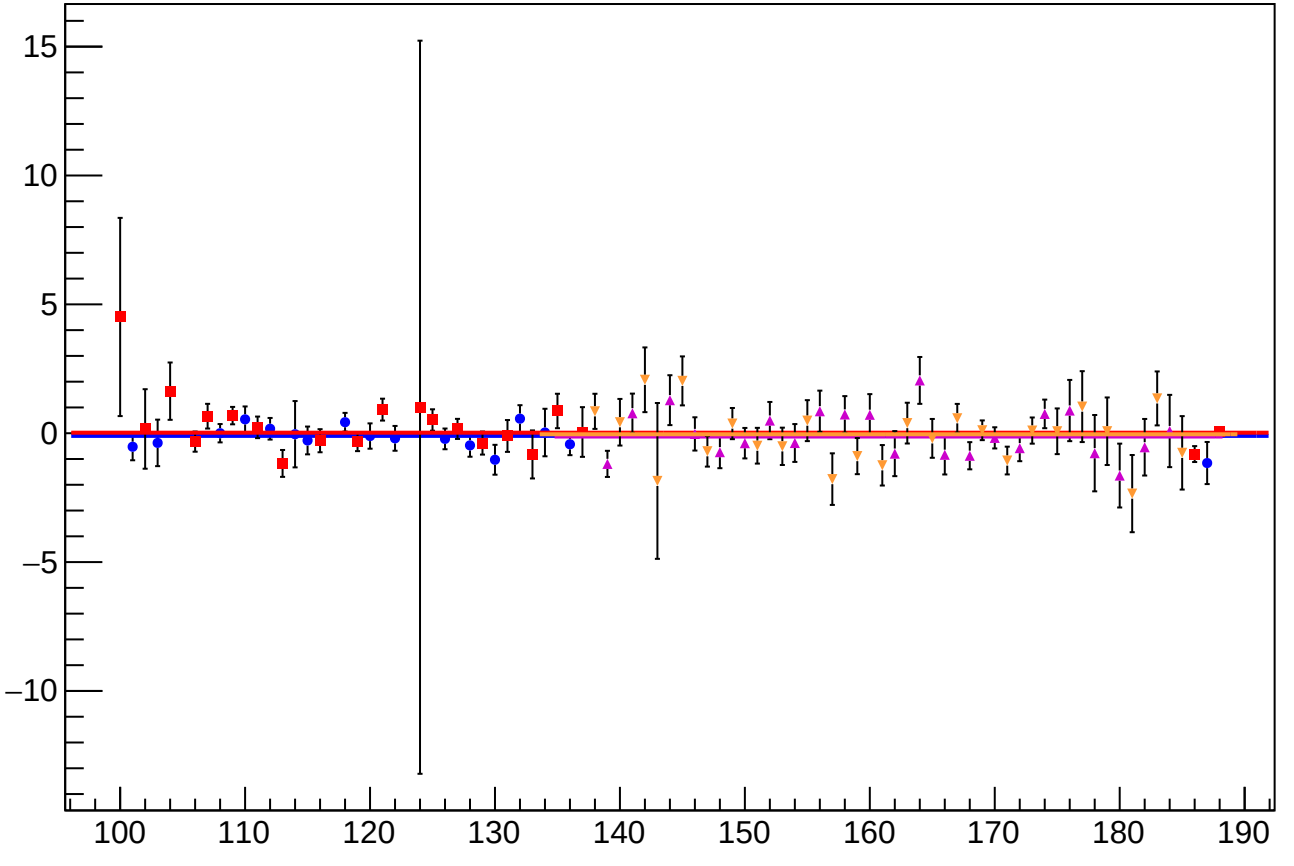
Right: 268.799+/-0.052 χ^2/NDF: 3917289.8/37

In: 422.893+/-0.066 χ^2/NDF:8259170.9/39

Out: 346.703+/-0.056 χ^2/NDF:15342629.7/45

All: 378.797+/-0.043 χ^2/NDF: 24383025.0/85

asym_at2_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.103+/-0.121 χ^2/NDF: 12.5/16

Left Out: -0.041+/-0.148 χ^2/NDF:30.1/24

Right Out: 0.021+/-0.094 χ^2/NDF: 33.3/20

Left In: -0.128+/-0.145 χ^2/NDF:29.0/22

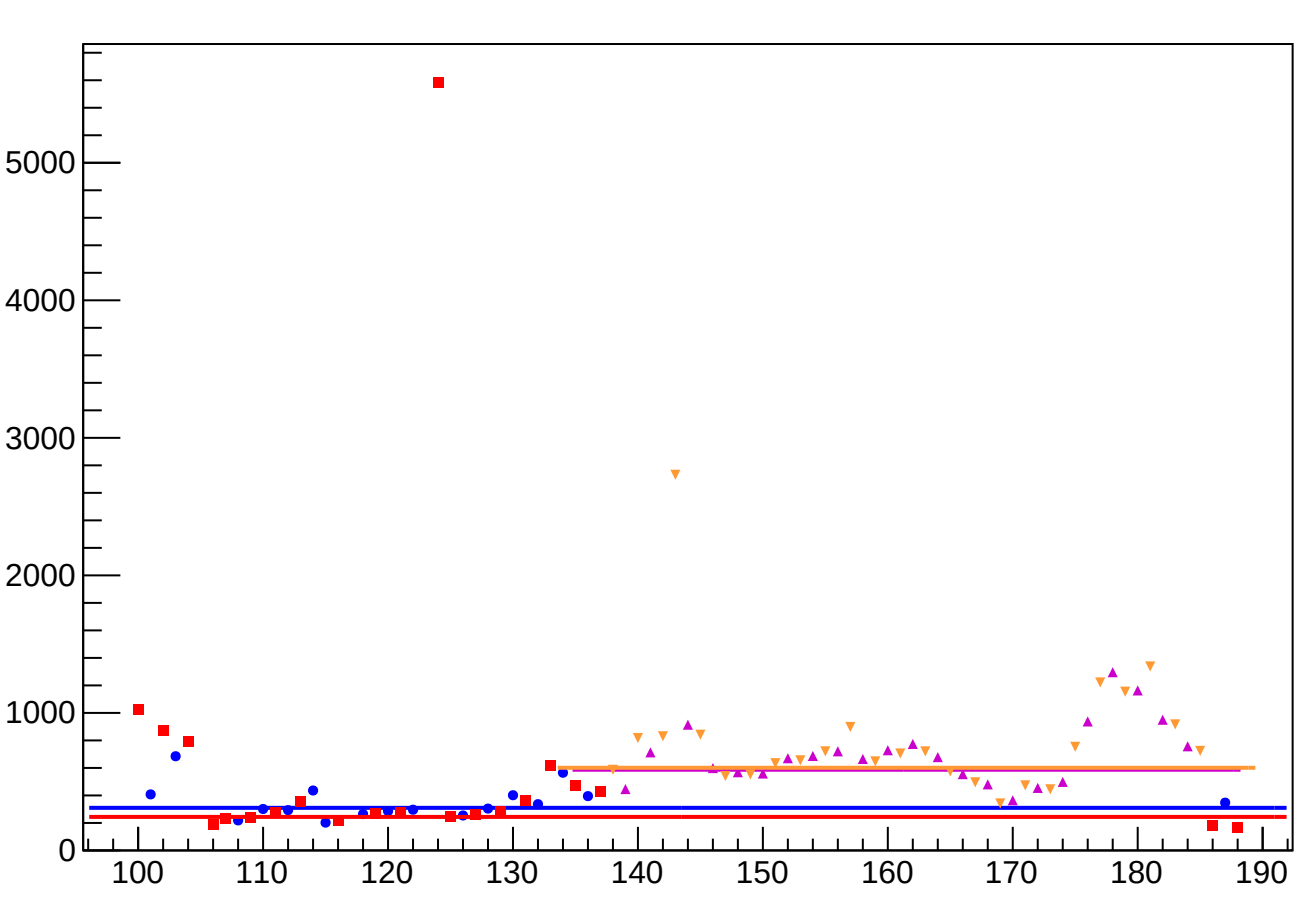
Left: -0.085+/-0.103 χ^2/NDF: 59.3/47

Right: -0.026+/-0.074 χ^2/NDF: 46.5/37

In: -0.113+/-0.093 χ^2/NDF:41.5/39

Out: 0.003+/-0.079 χ^2/NDF:63.6/45

All: -0.046+/-0.060 χ^2/NDF: 106.0/85



Right In: 309.932+/-0.085 χ^2/NDF: 1018959.4/16

Left Out: 601.214+/-0.104 χ^2/NDF:4460456.7/24

Right Out: 243.918+/-0.066 χ^2/NDF: 2524526.7/20

Left In: 586.817+/-0.103 χ^2/NDF:2934488.2/22

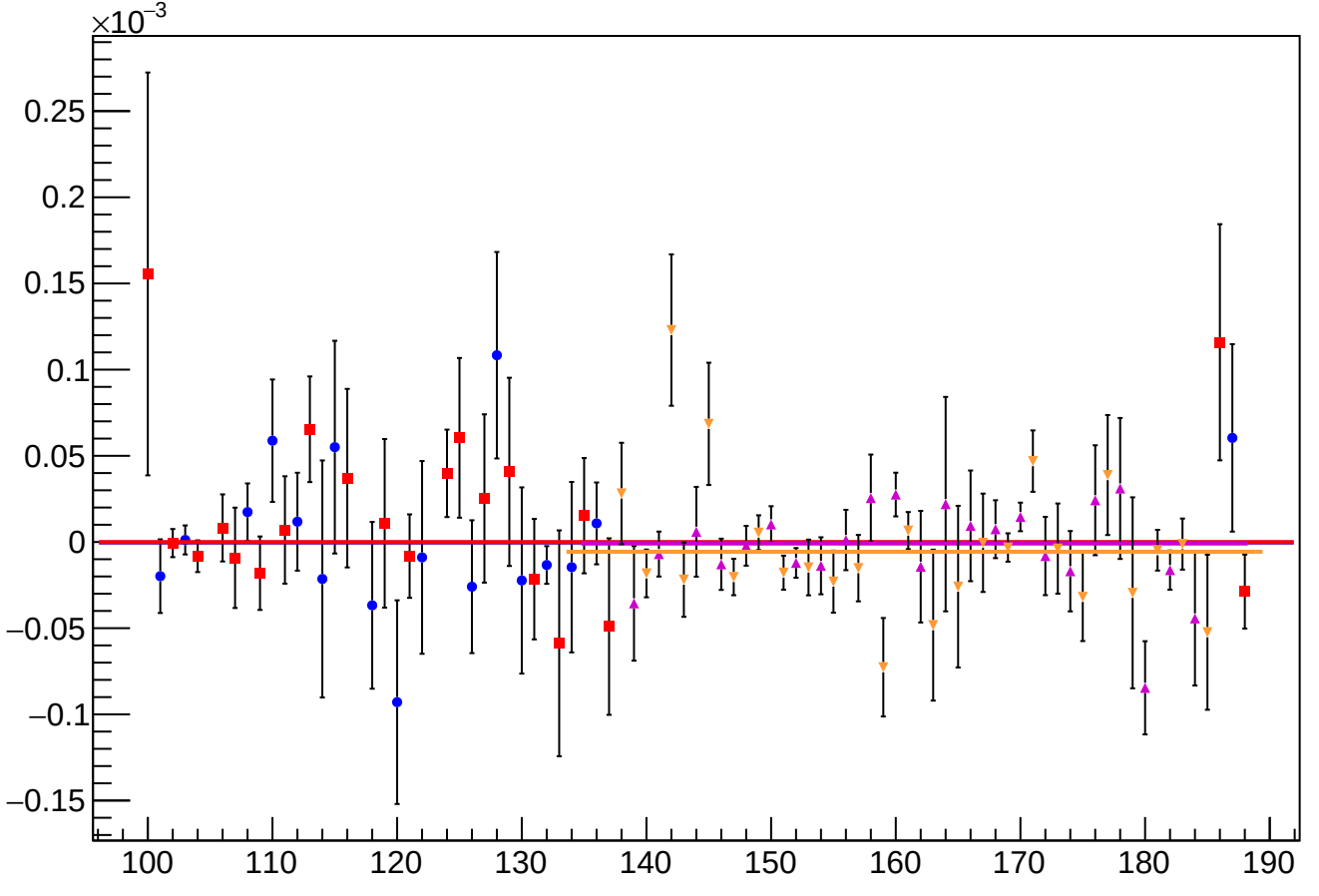
Left: 593.901+/-0.073 χ^2/NDF: 7404620.8/47

Right: 268.799+/-0.052 χ^2/NDF: 3917289.8/37

In: 422.893+/-0.066 χ^2/NDF:8259170.9/39

Out: 346.703+/-0.056 χ^2/NDF:15342629.7/45

All: 378.797+/-0.043 χ^2/NDF: 24383025.0/85



Right In: -0.000+/-0.000 χ^2/NDF: 15.8/16

Left Out: -0.000+/-0.000 χ^2/NDF:42.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 20.8/20

Left In: -0.000+/-0.000 χ^2/NDF:30.2/22

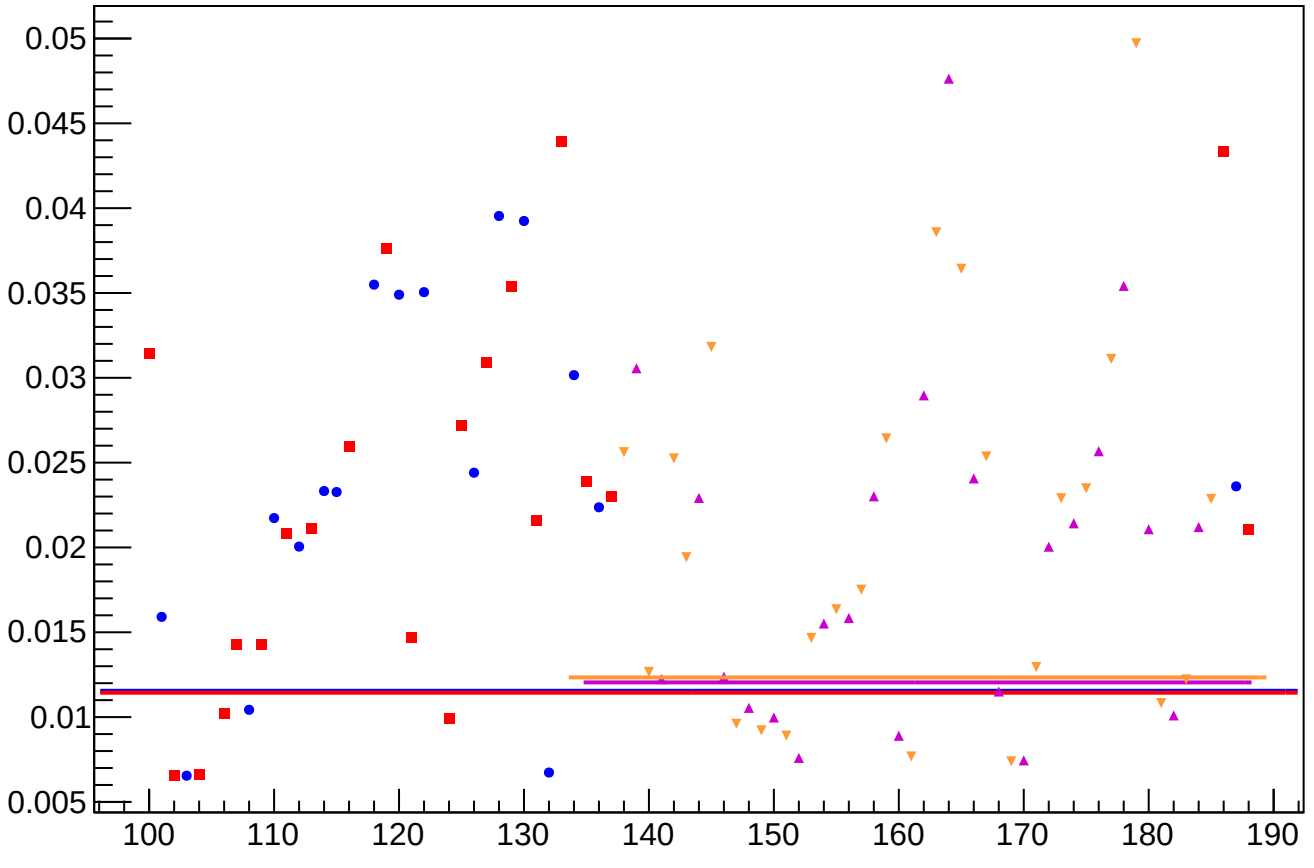
Left: -0.000+/-0.000 χ^2/NDF: 73.9/47

Right: -0.000+/-0.000 χ^2/NDF: 36.6/37

In: -0.000+/-0.000 χ^2/NDF:46.0/39

Out: -0.000+/-0.000 χ^2/NDF:64.4/45

All: -0.000+/-0.000 χ^2/NDF: 111.0/85



Right In: 0.012+/-0.000 χ^2/NDF: 4799113.8/16

Left Out: 0.012+/-0.000 χ^2/NDF:7839123.8/24

Right Out: 0.011+/-0.000 χ^2/NDF: 5344012.5/20

Left In: 0.012+/-0.000 χ^2/NDF:6379401.9/22

Left: 0.012+/-0.000 χ^2/NDF: 14226676.0/47

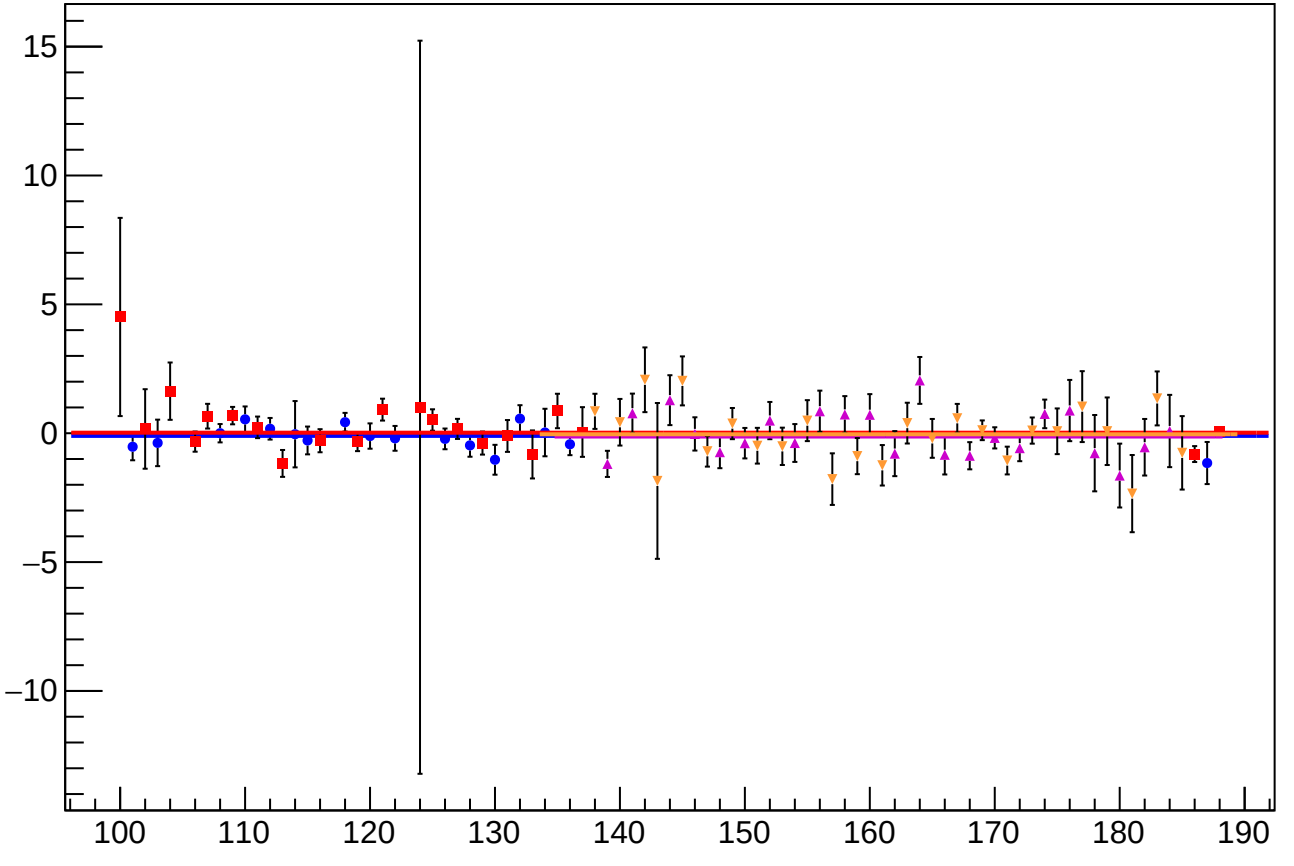
Right: 0.011+/-0.000 χ^2/NDF: 10143626.9/37

In: 0.012+/-0.000 χ^2/NDF:11191158.2/39

Out: 0.012+/-0.000 χ^2/NDF:13232826.5/45

All: 0.012+/-0.000 χ^2/NDF: 24426667.3/85

asym_at2_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.103+/-0.121 χ^2/NDF: 12.5/16

Left Out: -0.041+/-0.148 χ^2/NDF:30.1/24

Right Out: 0.021+/-0.094 χ^2/NDF: 33.3/20

Left In: -0.128+/-0.145 χ^2/NDF:29.0/22

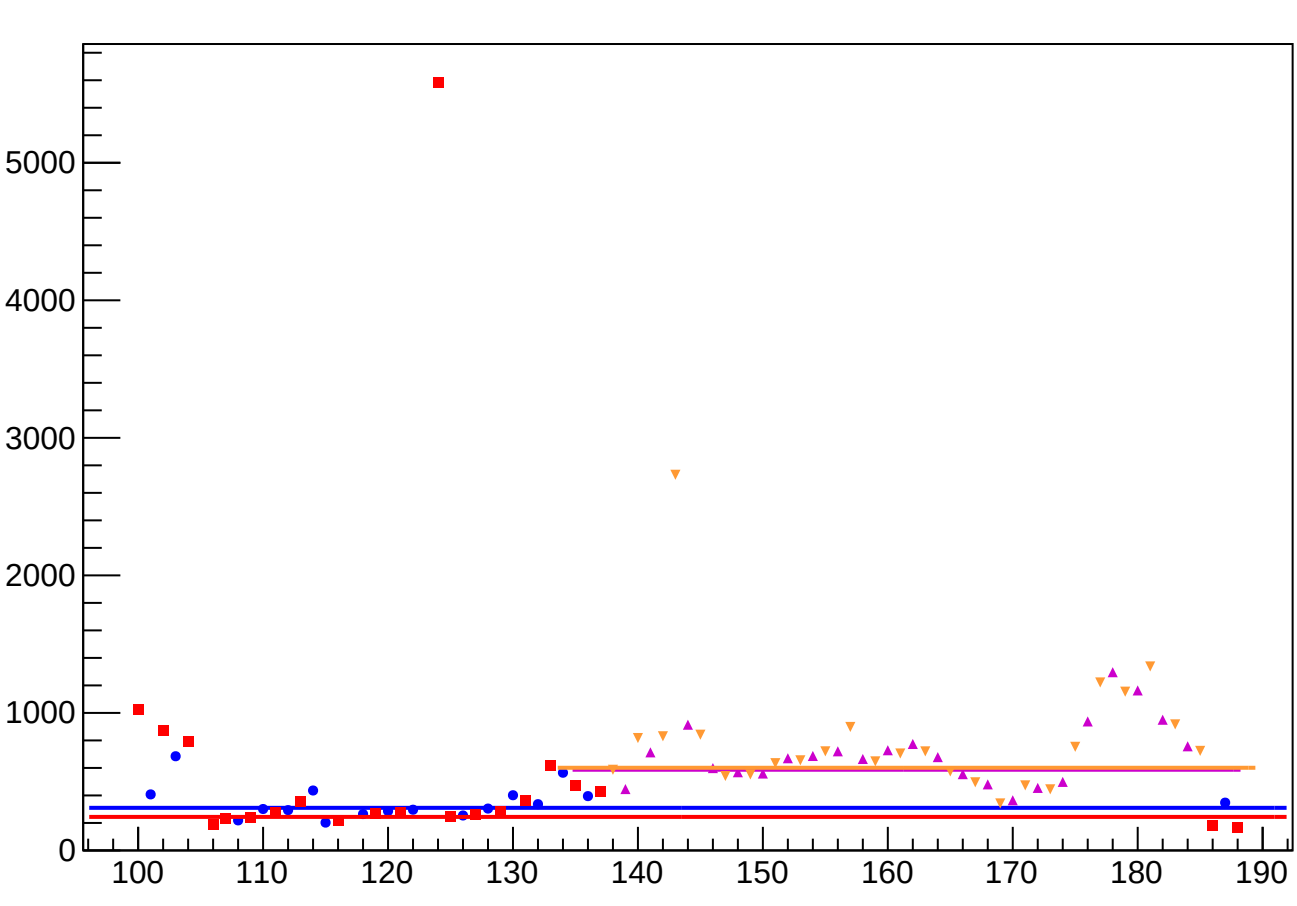
Left: -0.085+/-0.103 χ^2/NDF: 59.3/47

Right: -0.026+/-0.074 χ^2/NDF: 46.5/37

In: -0.113+/-0.093 χ^2/NDF:41.5/39

Out: 0.003+/-0.079 χ^2/NDF:63.6/45

All: -0.046+/-0.060 χ^2/NDF: 106.0/85



Right In: 309.931+/-0.085 χ^2/NDF: 1018927.9/16

Left Out: 601.214+/-0.104 χ^2/NDF:4460662.1/24

Right Out: 243.913+/-0.066 χ^2/NDF: 2524625.3/20

Left In: 586.820+/-0.103 χ^2/NDF:2934613.3/22

Left: 593.903+/-0.073 χ^2/NDF: 7404947.7/47

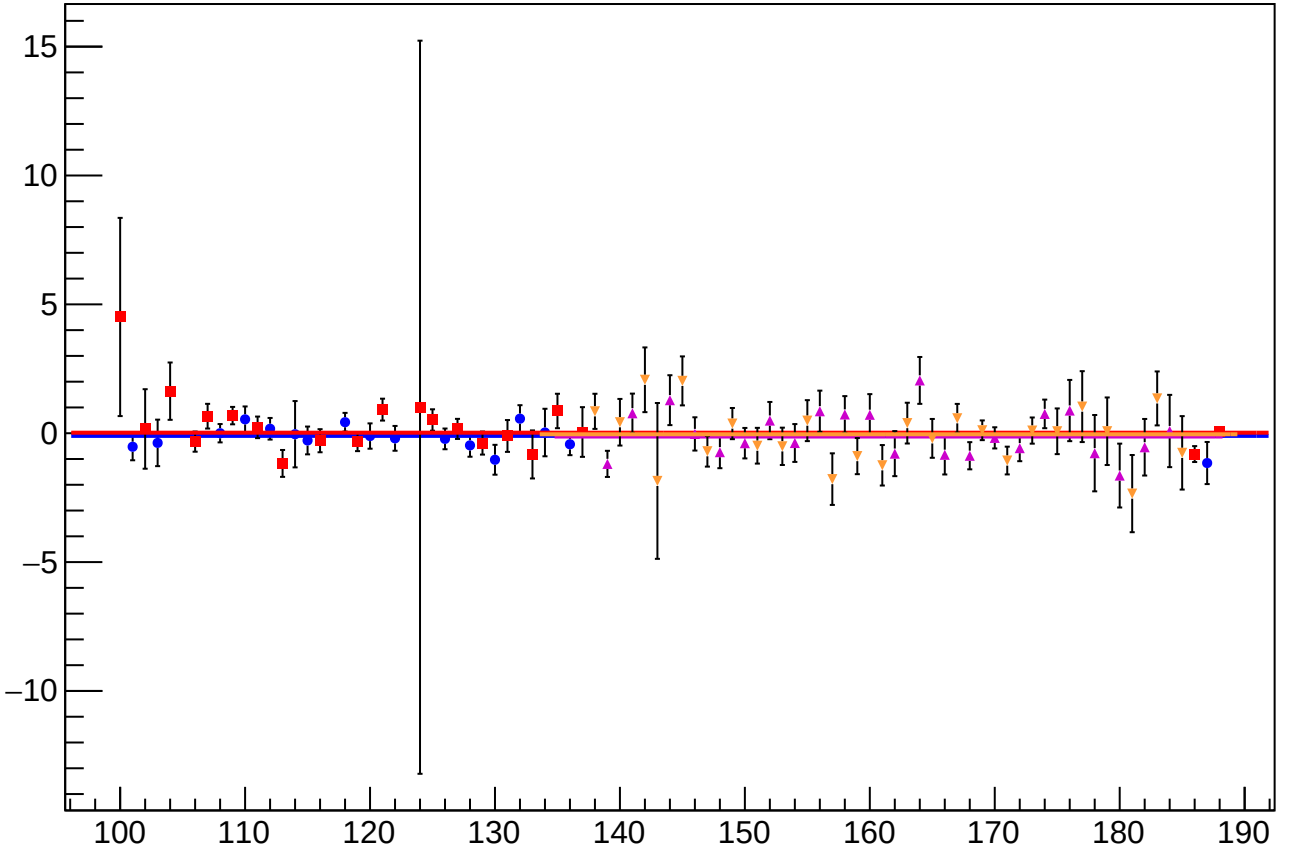
Right: 268.796+/-0.052 χ^2/NDF: 3917412.6/37

In: 422.893+/-0.066 χ^2/NDF:8259352.0/39

Out: 346.696+/-0.056 χ^2/NDF:15343223.6/45

All: 378.793+/-0.043 χ^2/NDF: 24383926.1/85

asym_at2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.103+/-0.121 χ^2/NDF: 12.5/16

Left Out: -0.041+/-0.148 χ^2/NDF:30.1/24

Right Out: 0.021+/-0.094 χ^2/NDF: 33.3/20

Left In: -0.128+/-0.145 χ^2/NDF:29.0/22

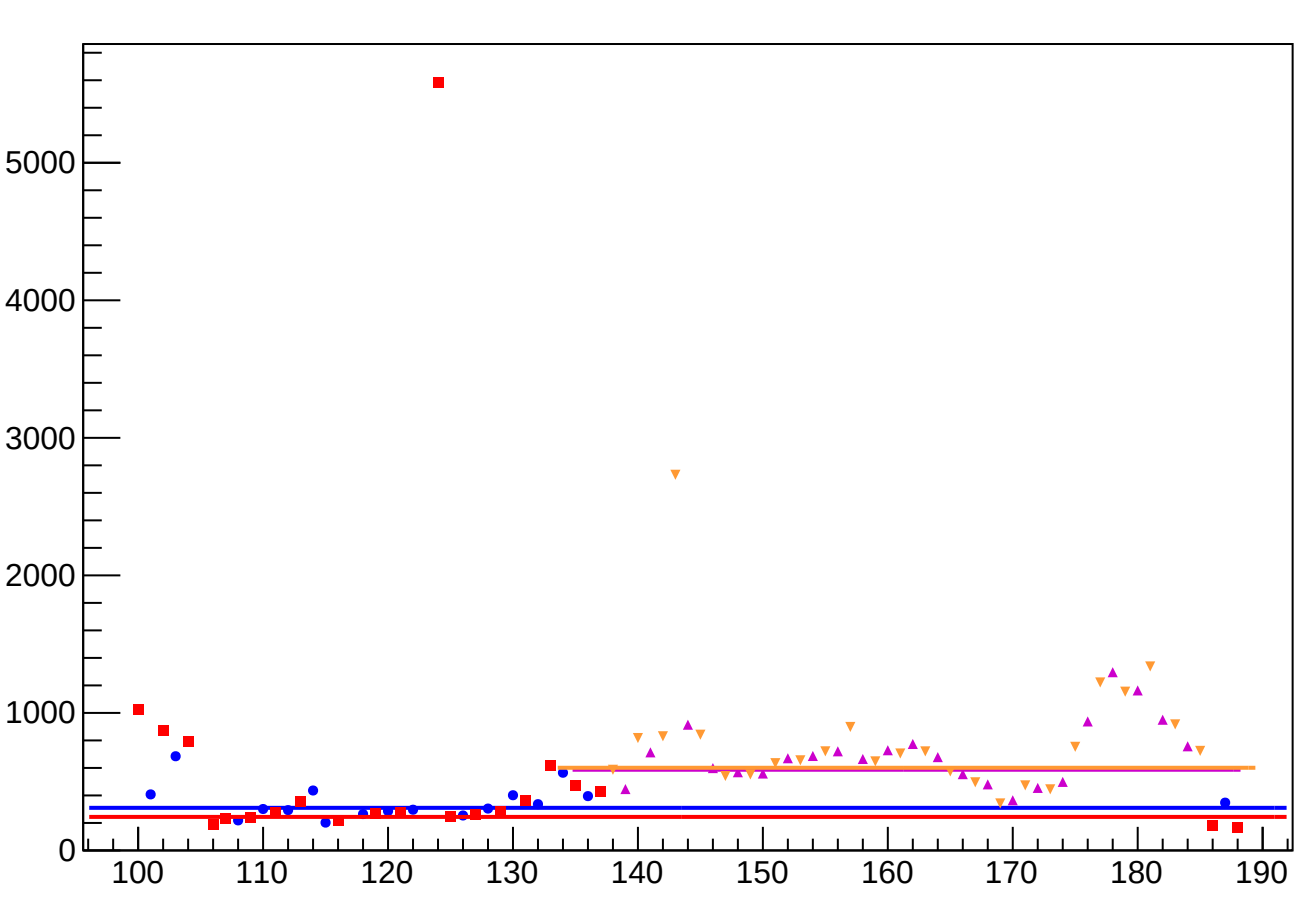
Left: -0.085+/-0.103 χ^2/NDF: 59.3/47

Right: -0.026+/-0.074 χ^2/NDF: 46.5/37

In: -0.113+/-0.093 χ^2/NDF:41.5/39

Out: 0.003+/-0.079 χ^2/NDF:63.6/45

All: -0.046+/-0.060 χ^2/NDF: 106.0/85



Right In: 309.931+/-0.085 χ^2/NDF: 1018927.9/16

Left Out: 601.214+/-0.104 χ^2/NDF:4460662.1/24

Right Out: 243.913+/-0.066 χ^2/NDF: 2524625.3/20

Left In: 586.820+/-0.103 χ^2/NDF:2934613.3/22

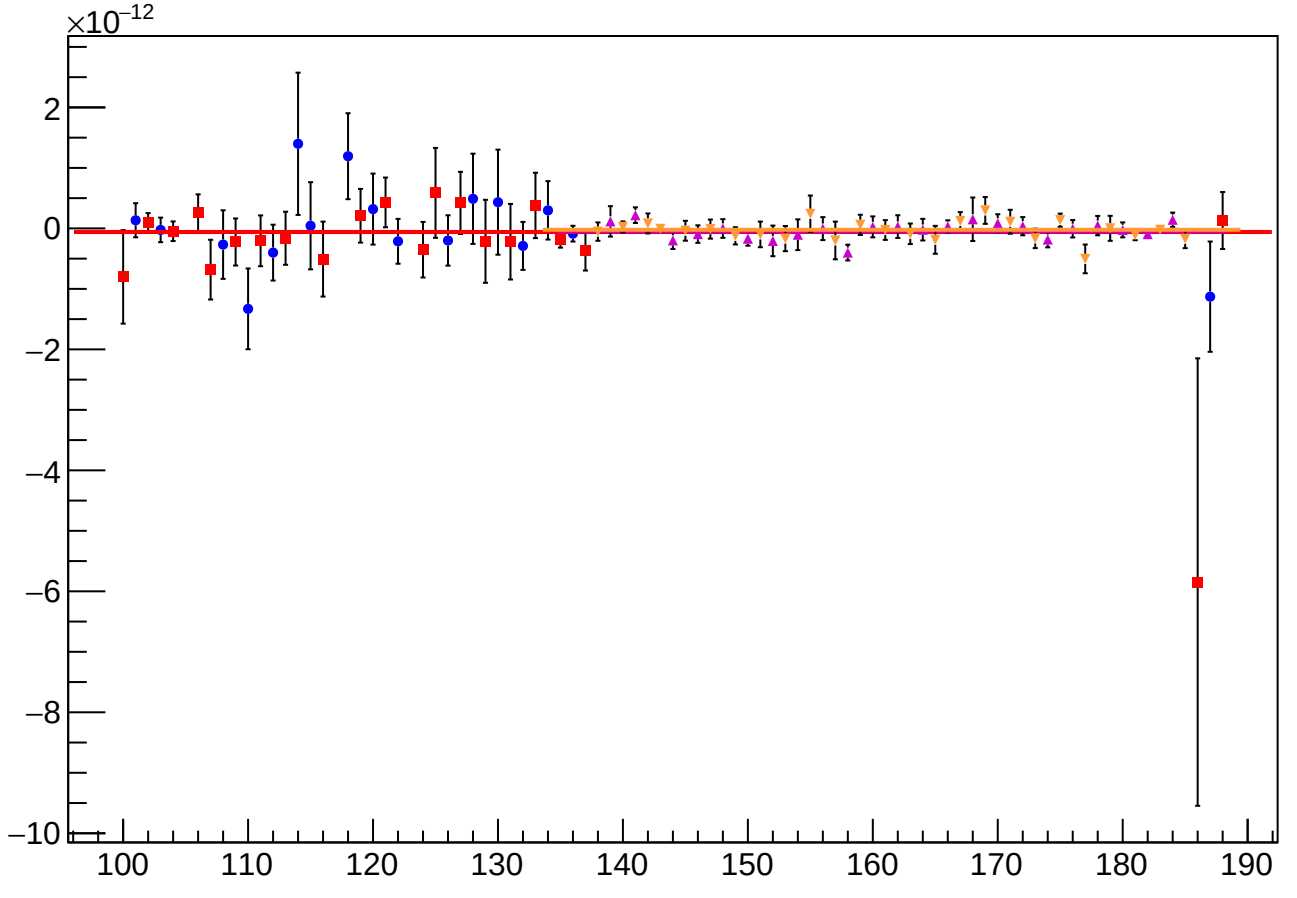
Left: 593.903+/-0.073 χ^2/NDF: 7404947.7/47

Right: 268.796+/-0.052 χ^2/NDF: 3917412.6/37

In: 422.893+/-0.066 χ^2/NDF:8259352.0/39

Out: 346.696+/-0.056 χ^2/NDF:15343223.6/45

All: 378.793+/-0.043 χ^2/NDF: 24383926.1/85



Right In: -0.000+/-0.000 χ^2/NDF: 13.3/16

Left Out: -0.000+/-0.000 χ^2/NDF:16.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 14.1/20

Left In: -0.000+/-0.000 χ^2/NDF:22.0/22

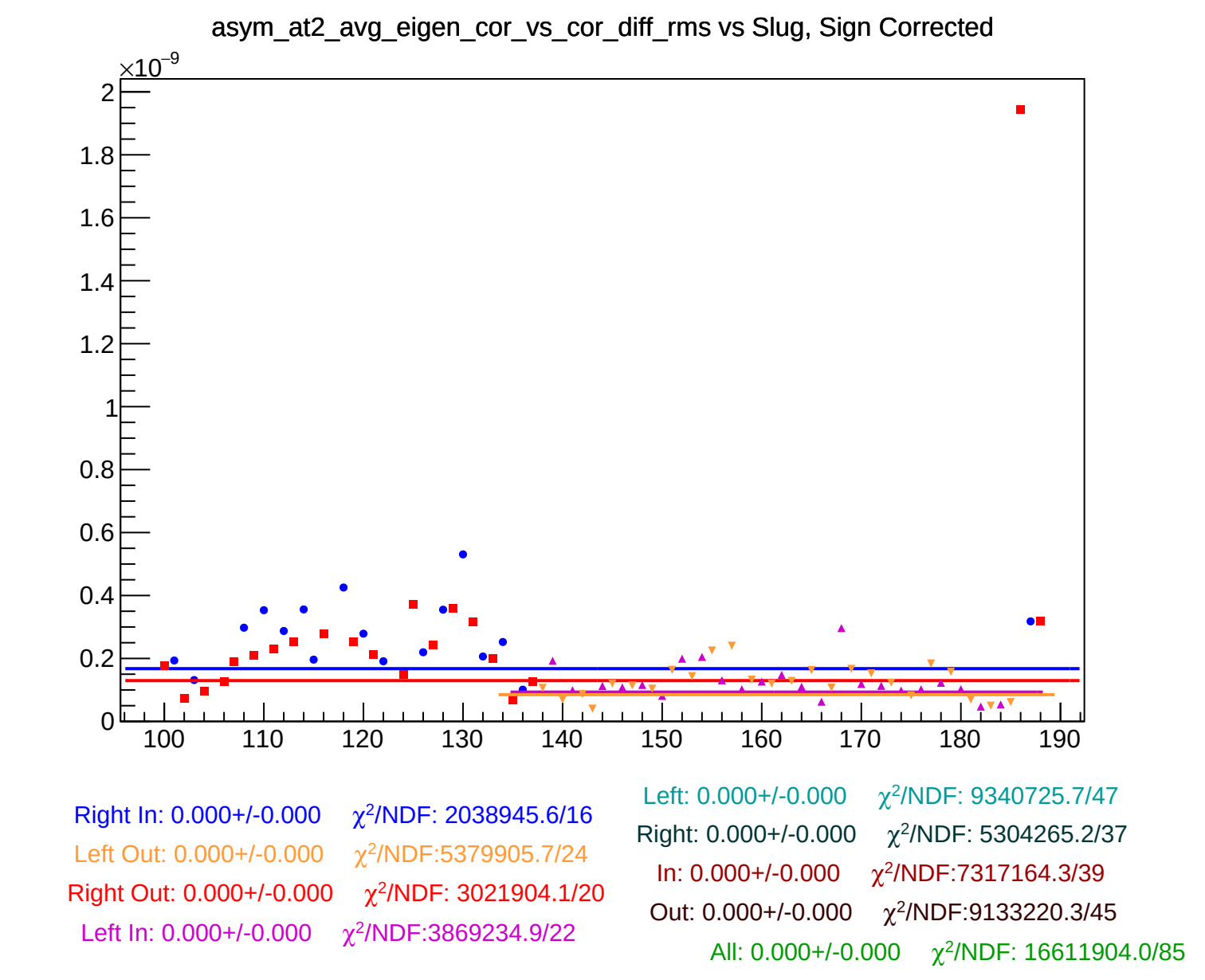
Left: -0.000+/-0.000 χ^2/NDF: 38.7/47

Right: -0.000+/-0.000 χ^2/NDF: 27.4/37

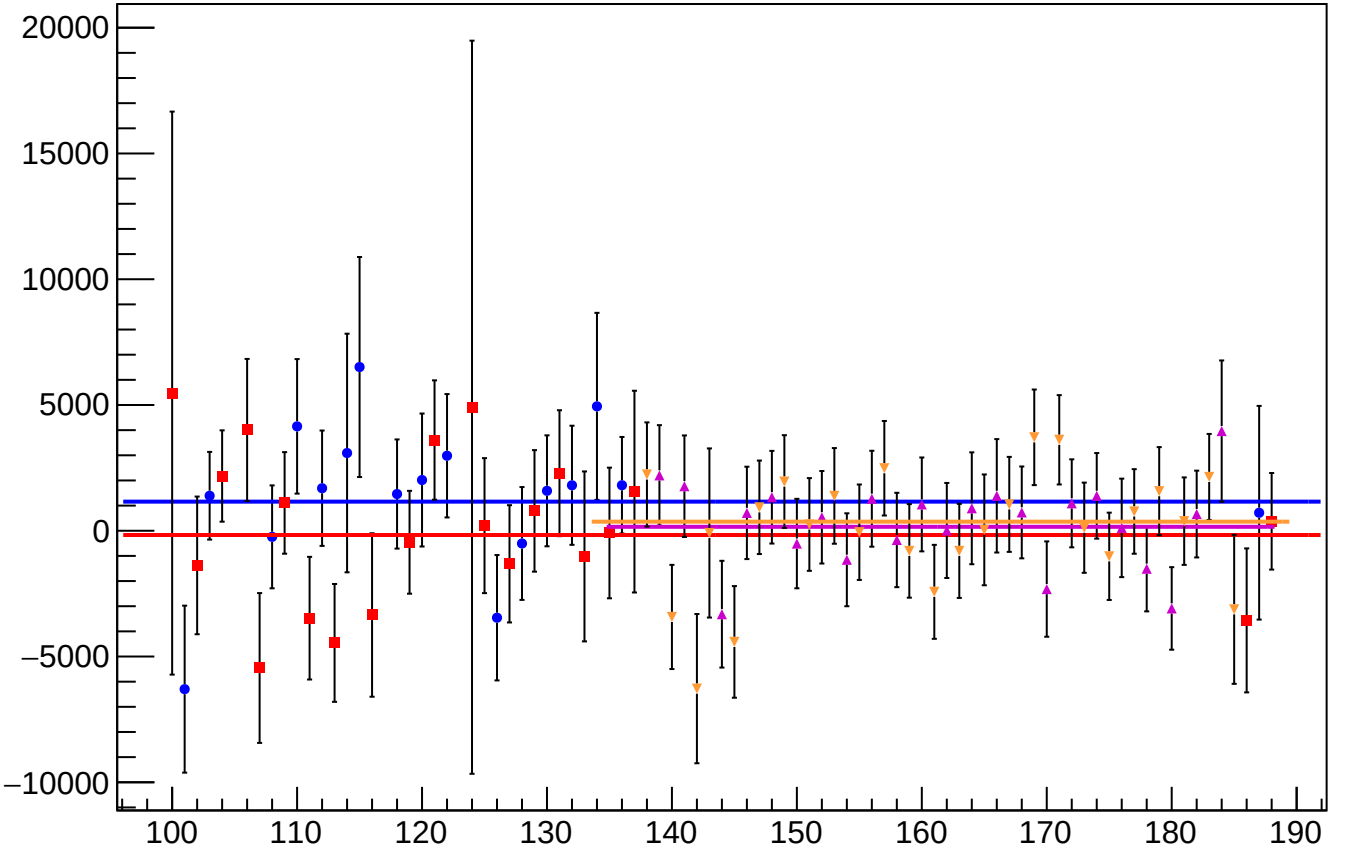
In: -0.000+/-0.000 χ^2/NDF:35.4/39

Out: -0.000+/-0.000 χ^2/NDF:30.6/45

All: -0.000+/-0.000 χ^2/NDF: 66.3/85


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
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 2038945.6/16
Left Out: 0.000+/-0.000 χ²/NDF:5379905.7/24
Right Out: 0.000+/-0.000 χ²/NDF: 3021904.1/20
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: 5304265.2/37
In: 0.000+/-0.000 χ²/NDF:7317164.3/39
Out: 0.000+/-0.000 χ²/NDF:9133220.3/45
All: 0.000+/-0.000 χ²/NDF: 16611904.0/85

reg_asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 1157.776+/-603.002 χ^2/NDF: 14.4/16

Left Out: 361.645+/-388.131 χ^2/NDF:29.6/24

Right Out: -169.178+/-564.304 χ^2/NDF: 19.8/20

Left In: 157.028+/-394.257 χ^2/NDF:16.0/22

Left: 260.939+/-276.591 χ^2/NDF: 45.7/47

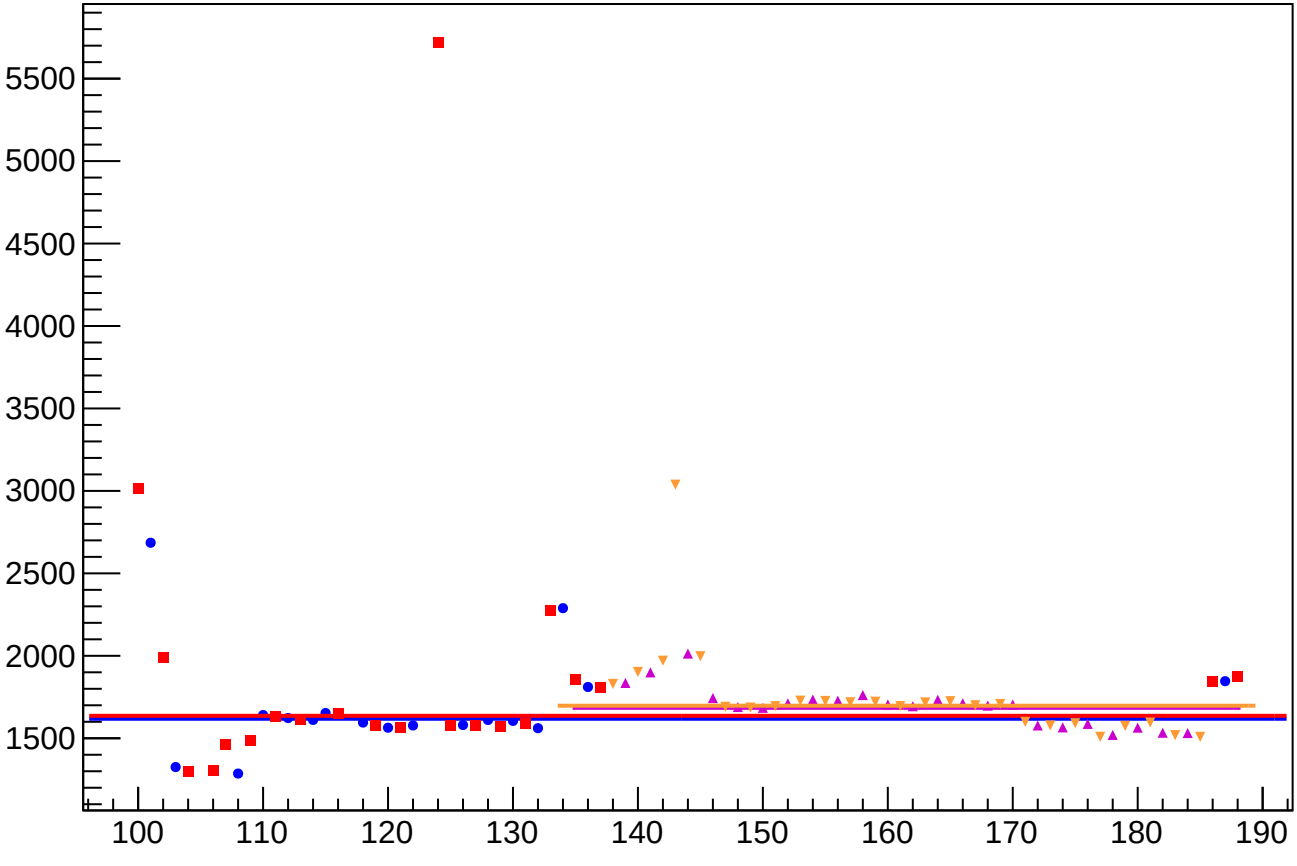
Right: 450.357+/-412.025 χ^2/NDF: 36.8/37

In: 456.720+/-329.985 χ^2/NDF:32.4/39

Out: 191.172+/-319.791 χ^2/NDF:50.0/45

All: 319.781+/-229.646 χ^2/NDF: 82.7/85

reg_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1618.359+/-0.426 χ^2/NDF: 410559.7/16

Left Out: 1697.496+/-0.274 χ^2/NDF:495397.9/24

Right Out: 1636.204+/-0.399 χ^2/NDF: 472992.9/20

Left In: 1684.577+/-0.279 χ^2/NDF:165355.7/22

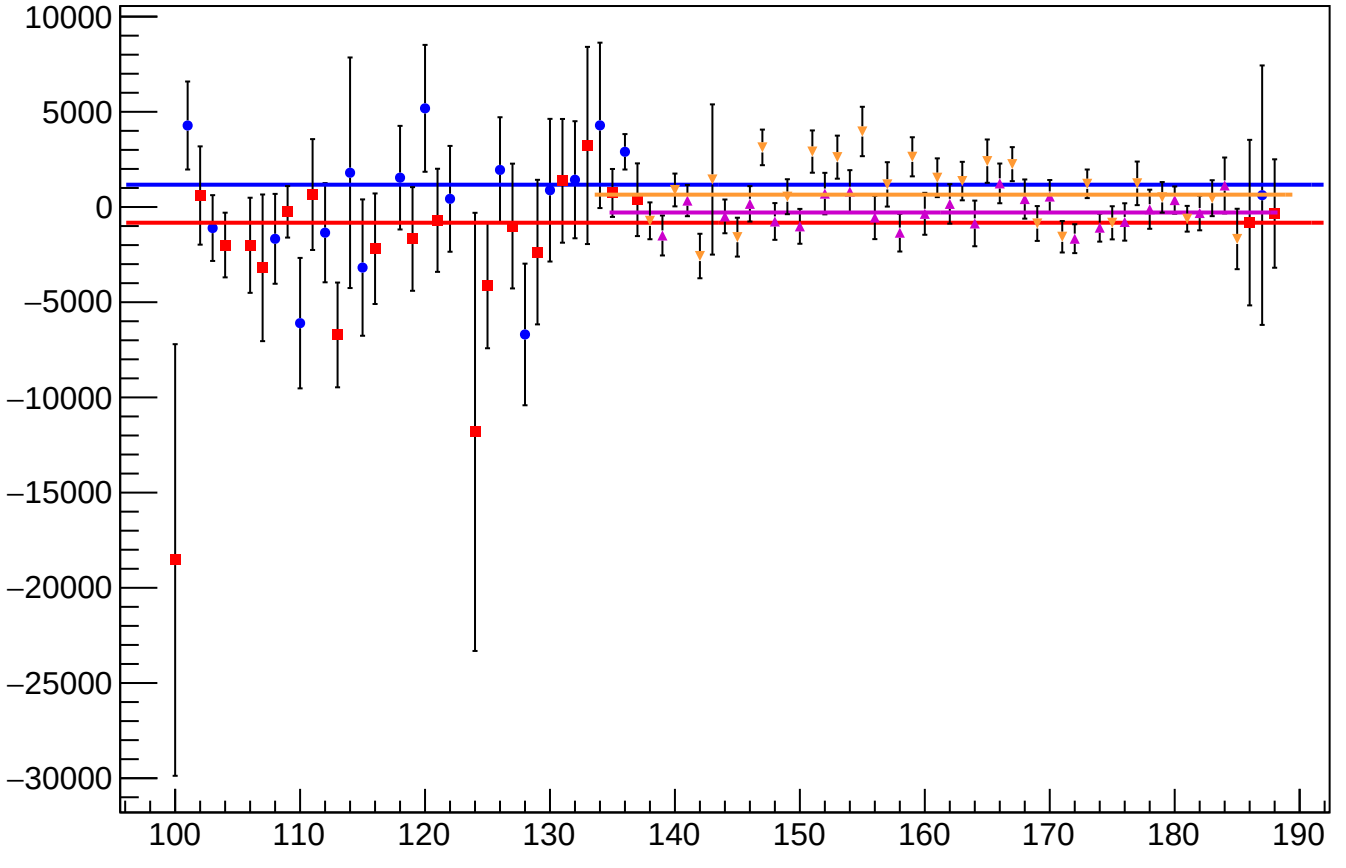
Left: 1691.137+/-0.196 χ^2/NDF: 661844.1/47

Right: 1627.872+/-0.291 χ^2/NDF: 884486.4/37

In: 1664.747+/-0.233 χ^2/NDF:592811.0/39

Out: 1677.812+/-0.226 χ^2/NDF:984408.0/45

All: 1671.484+/-0.162 χ^2/NDF: 1578835.7/85



Right In: 1171.509+/-576.982 χ^2/NDF: 22.0/16

Left Out: 649.165+/-195.671 χ^2/NDF:65.5/24

Right Out: -825.244+/-542.775 χ^2/NDF: 14.3/20

Left In: -288.616+/-198.494 χ^2/NDF:16.6/22

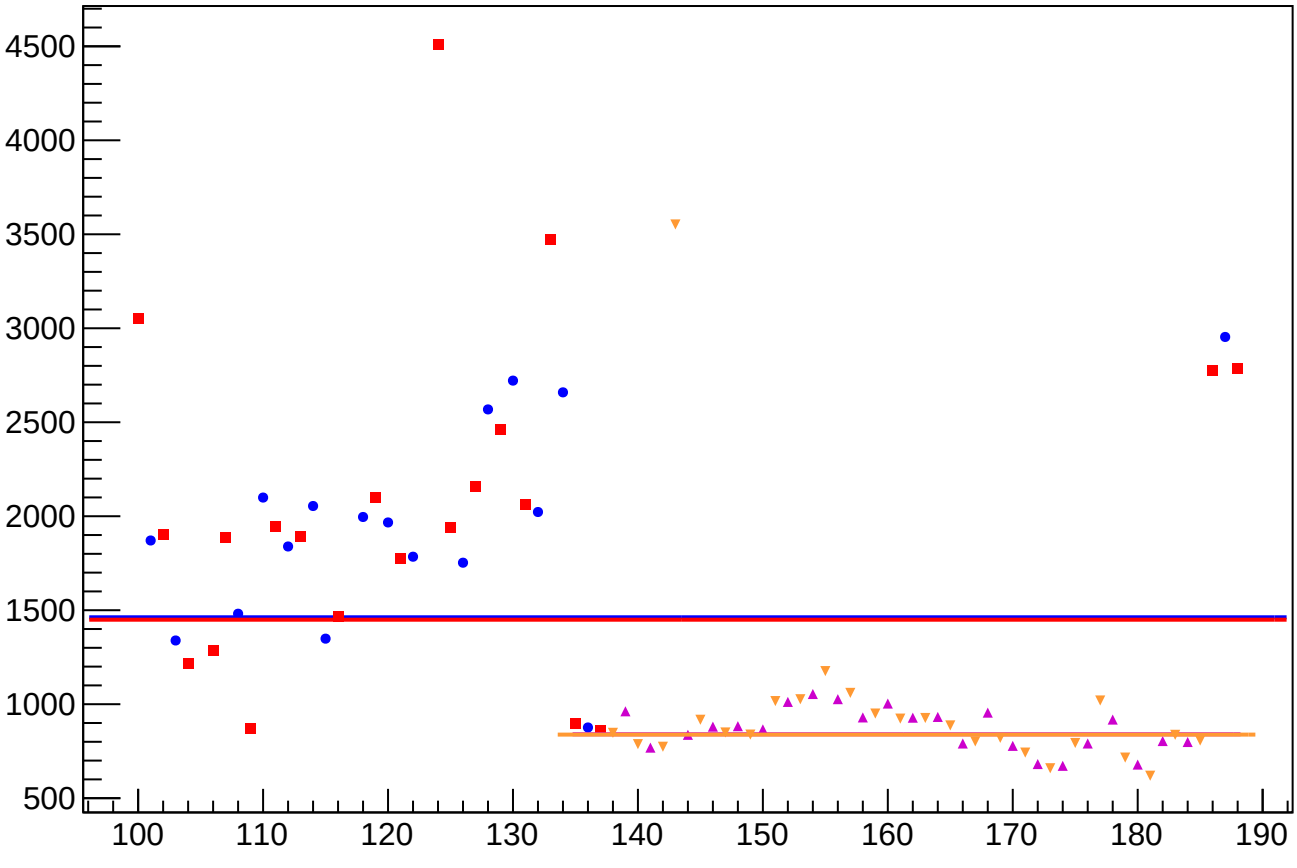
Left: 186.992+/-139.348 χ^2/NDF: 93.4/47

Right: 112.190+/-395.340 χ^2/NDF: 42.6/37

In: -134.097+/-187.698 χ^2/NDF:44.3/39

Out: 479.588+/-184.075 χ^2/NDF:86.3/45

All: 178.726+/-131.423 χ^2/NDF: 136.1/85



Right In: 1462.404+/-0.408 χ^2/NDF: 1887357.5/16

Left Out: 838.243+/-0.138 χ^2/NDF:1800245.5/24

Right Out: 1449.513+/-0.384 χ^2/NDF: 2793457.5/20

Left In: 839.976+/-0.140 χ^2/NDF:669341.7/22

Left: 839.097+/-0.099 χ^2/NDF: 2469664.6/47

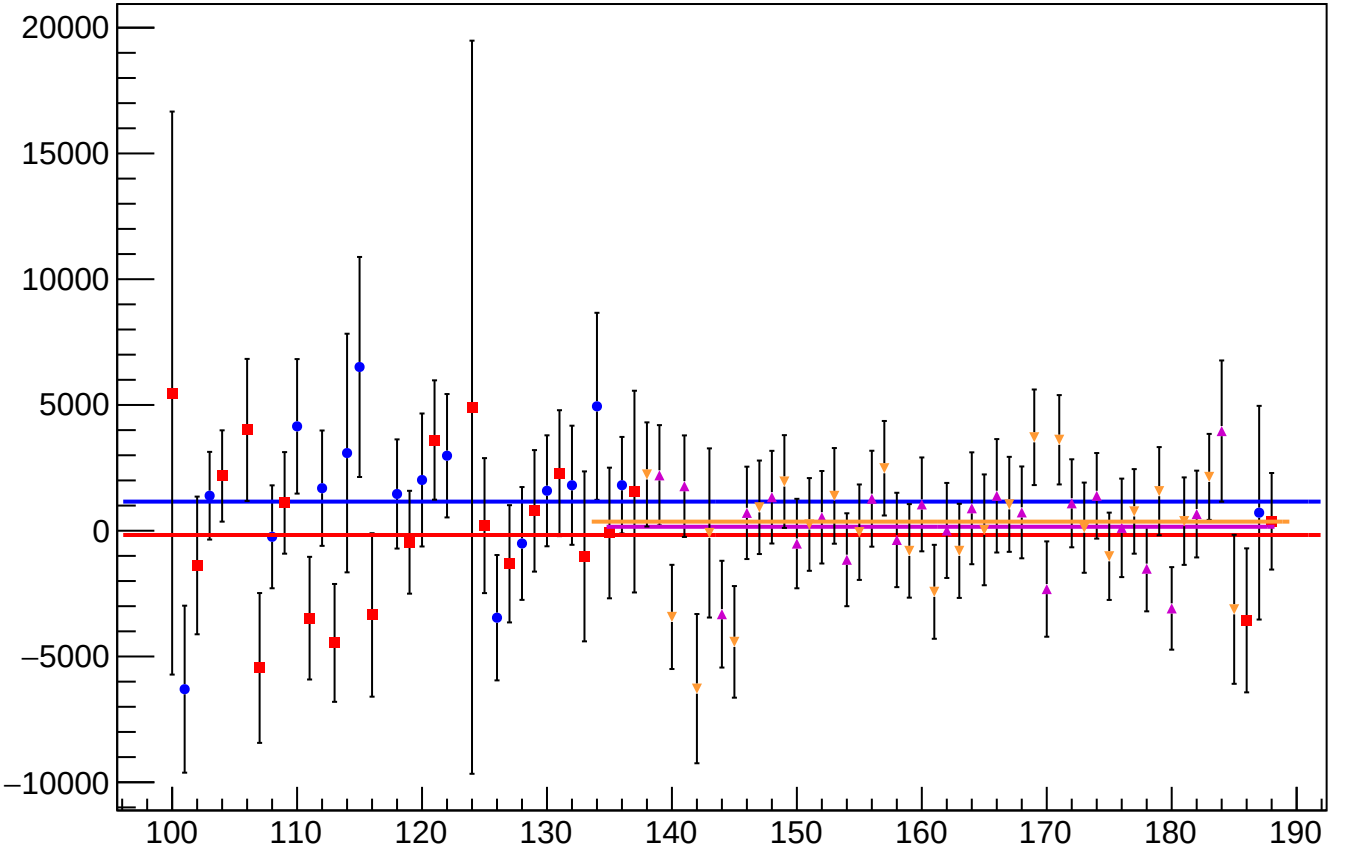
Right: 1455.565+/-0.280 χ^2/NDF: 4681344.7/37

In: 905.845+/-0.133 χ^2/NDF:4637855.6/39

Out: 908.547+/-0.130 χ^2/NDF:6838588.0/45

All: 907.222+/-0.093 χ^2/NDF: 11476654.8/85

cor_asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 1157.701+/-603.002 χ^2/NDF: 14.4/16

Left Out: 361.560+/-388.131 χ^2/NDF:29.6/24

Right Out: -169.470+/-564.304 χ^2/NDF: 19.8/20

Left In: 156.934+/-394.258 χ^2/NDF:16.0/22

Left: 260.849+/-276.591 χ^2/NDF: 45.7/47

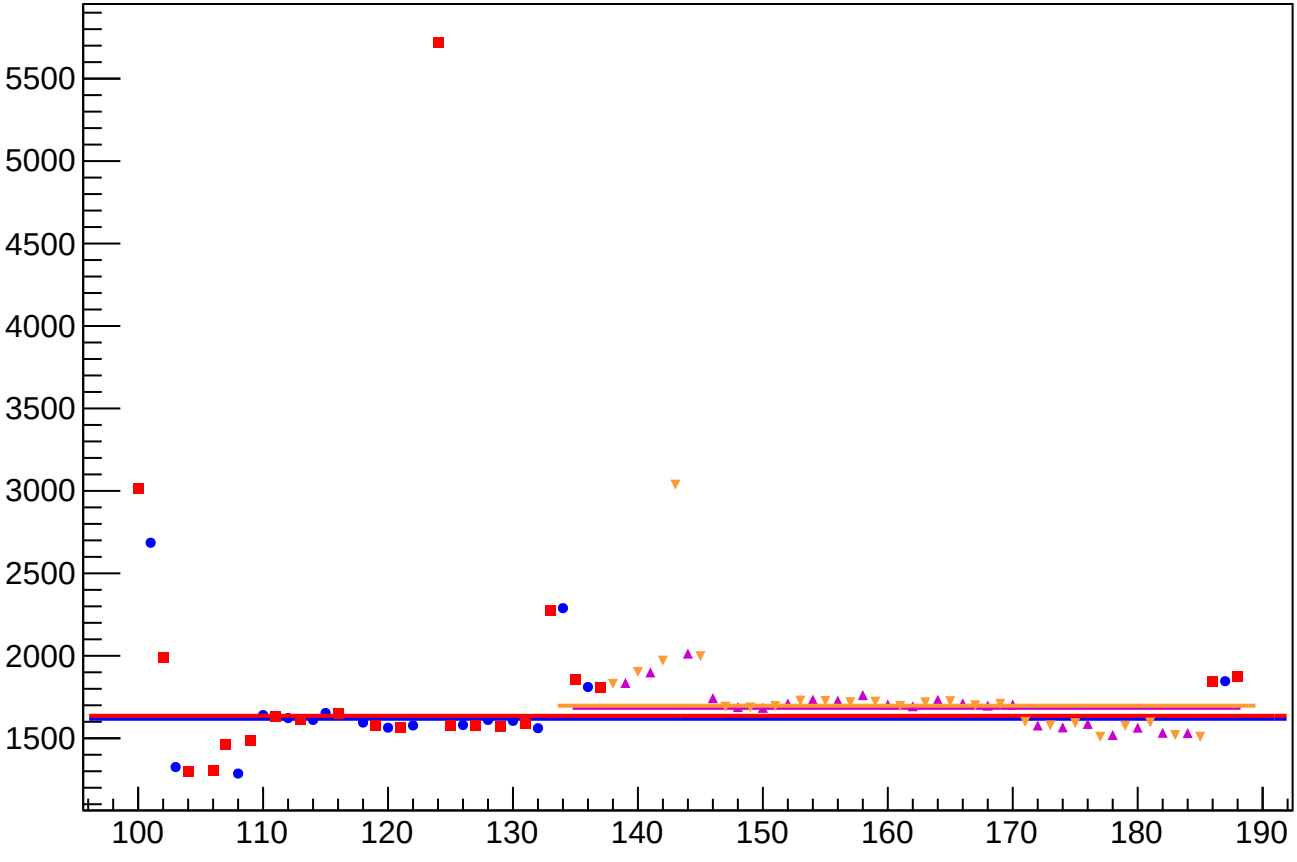
Right: 450.166+/-412.025 χ^2/NDF: 36.8/37

In: 456.632+/-329.985 χ^2/NDF:32.4/39

Out: 191.021+/-319.791 χ^2/NDF:50.0/45

All: 319.660+/-229.646 χ^2/NDF: 82.7/85

cor_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1618.359+/-0.426 χ^2/NDF: 410560.0/16

Left Out: 1697.496+/-0.274 χ^2/NDF:495397.9/24

Right Out: 1636.204+/-0.399 χ^2/NDF: 472993.0/20

Left In: 1684.577+/-0.279 χ^2/NDF:165355.7/22

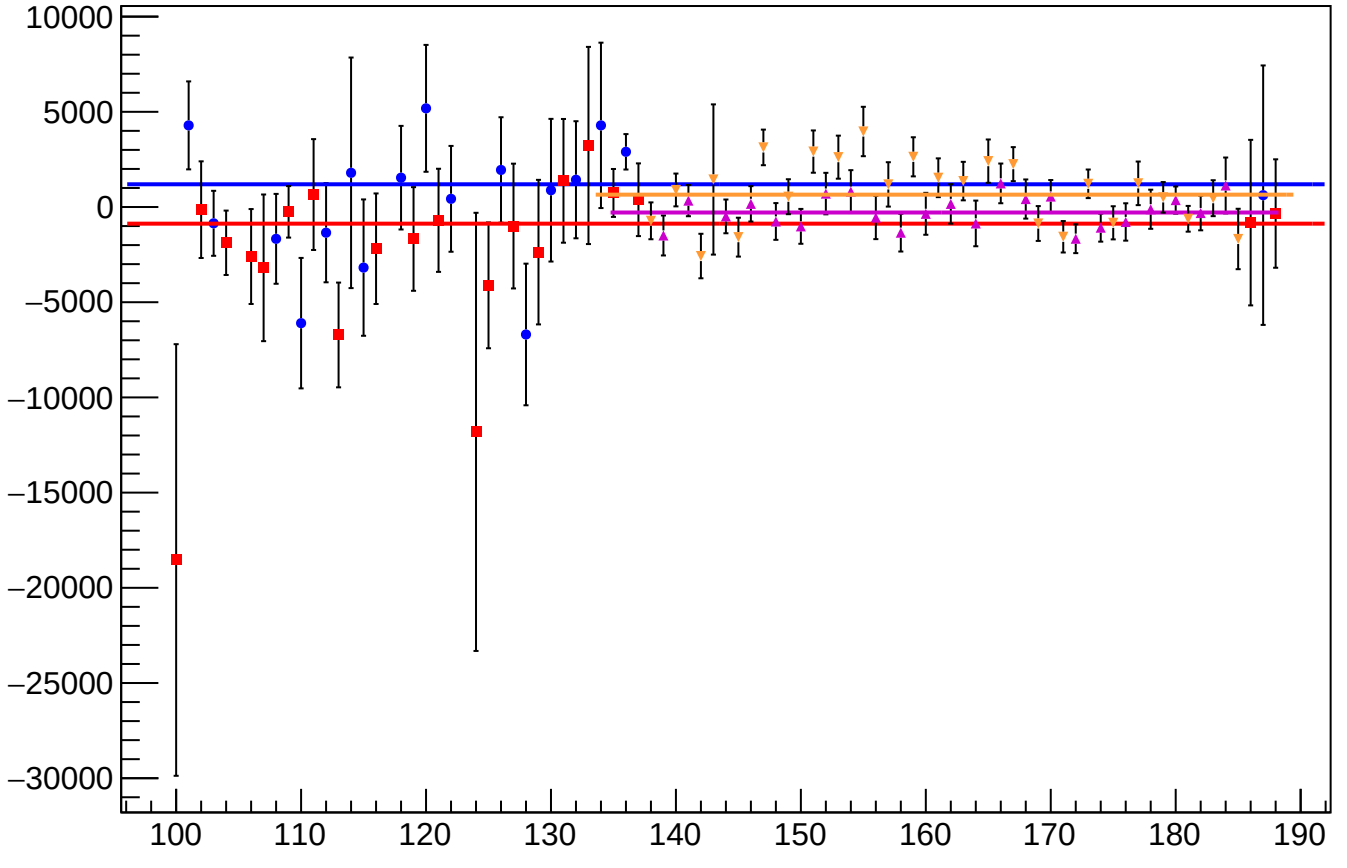
Left: 1691.137+/-0.196 χ^2/NDF: 661844.0/47

Right: 1627.872+/-0.291 χ^2/NDF: 884486.7/37

In: 1664.747+/-0.233 χ^2/NDF:592811.3/39

Out: 1677.812+/-0.226 χ^2/NDF:984408.1/45

All: 1671.484+/-0.162 χ^2/NDF: 1578836.1/85



Right In: 1194.216+/-576.169 χ^2/NDF: 21.7/16

Left Out: 649.165+/-195.673 χ^2/NDF:65.5/24

Right Out: -874.236+/-542.062 χ^2/NDF: 14.2/20

Left In: -288.602+/-198.495 χ^2/NDF:16.6/22

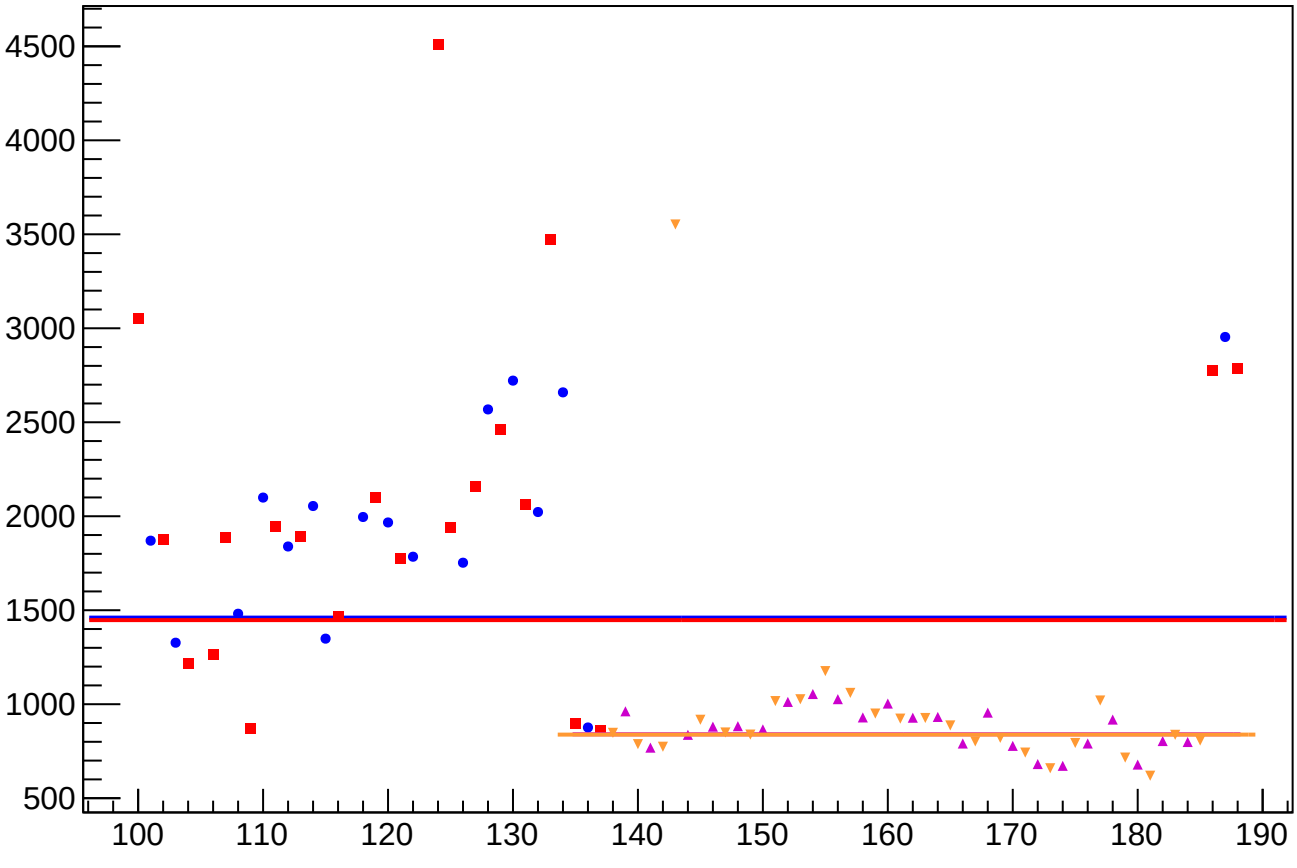
Left: 186.994+/-139.349 χ^2/NDF: 93.4/47

Right: 96.958+/-394.803 χ^2/NDF: 42.8/37

In: -131.284+/-187.670 χ^2/NDF:44.2/39

Out: 473.542+/-184.049 χ^2/NDF:86.8/45

All: 177.020+/-131.404 χ^2/NDF: 136.2/85



Right In: 1460.693+/-0.407 χ^2/NDF: 1889409.2/16

Left Out: 838.254+/-0.138 χ^2/NDF:1800138.0/24

Right Out: 1447.394+/-0.383 χ^2/NDF: 2791113.2/20

Left In: 839.978+/-0.140 χ^2/NDF:669338.3/22

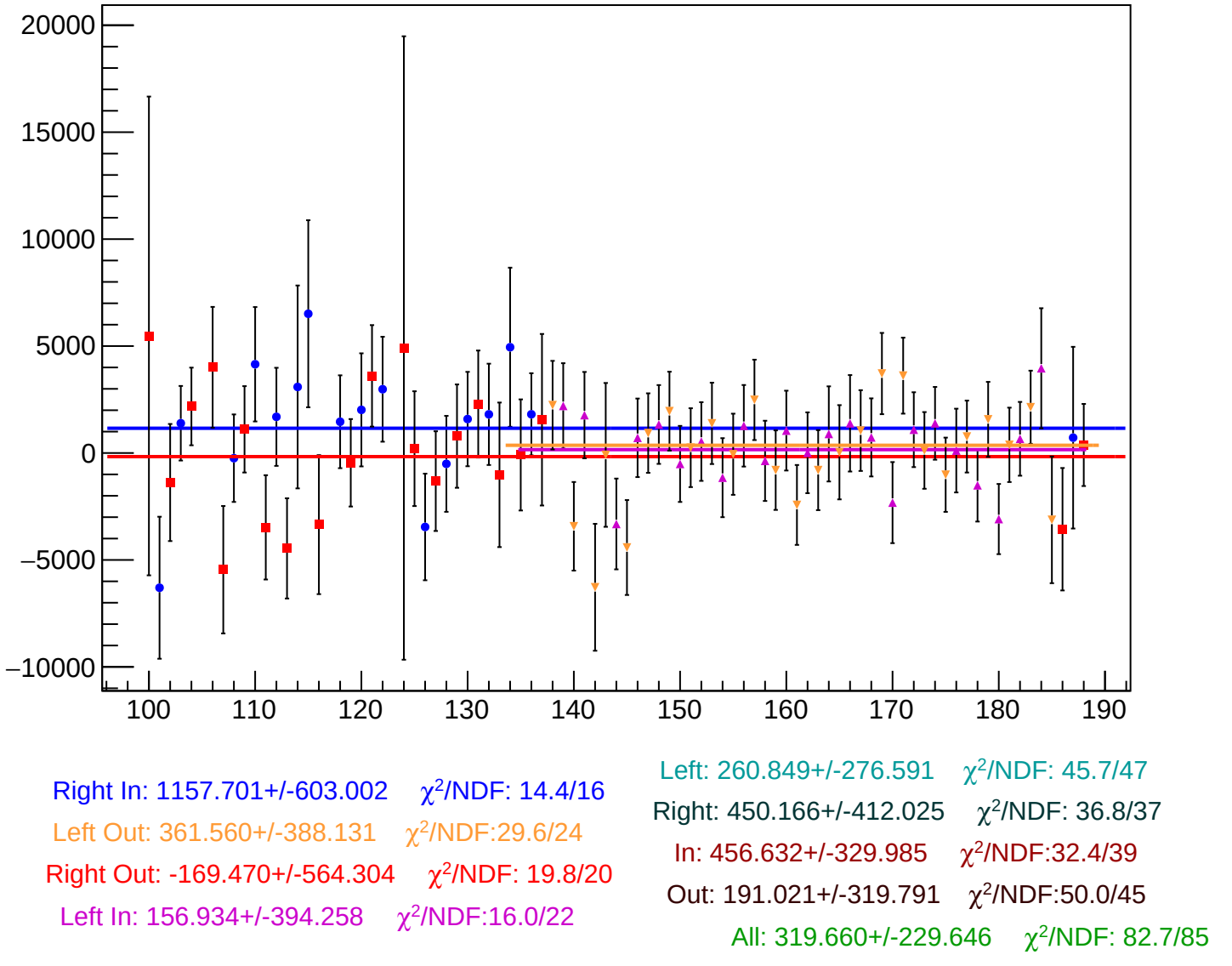
Left: 839.104+/-0.099 χ^2/NDF: 2469552.9/47

Right: 1453.638+/-0.279 χ^2/NDF: 4681087.7/37

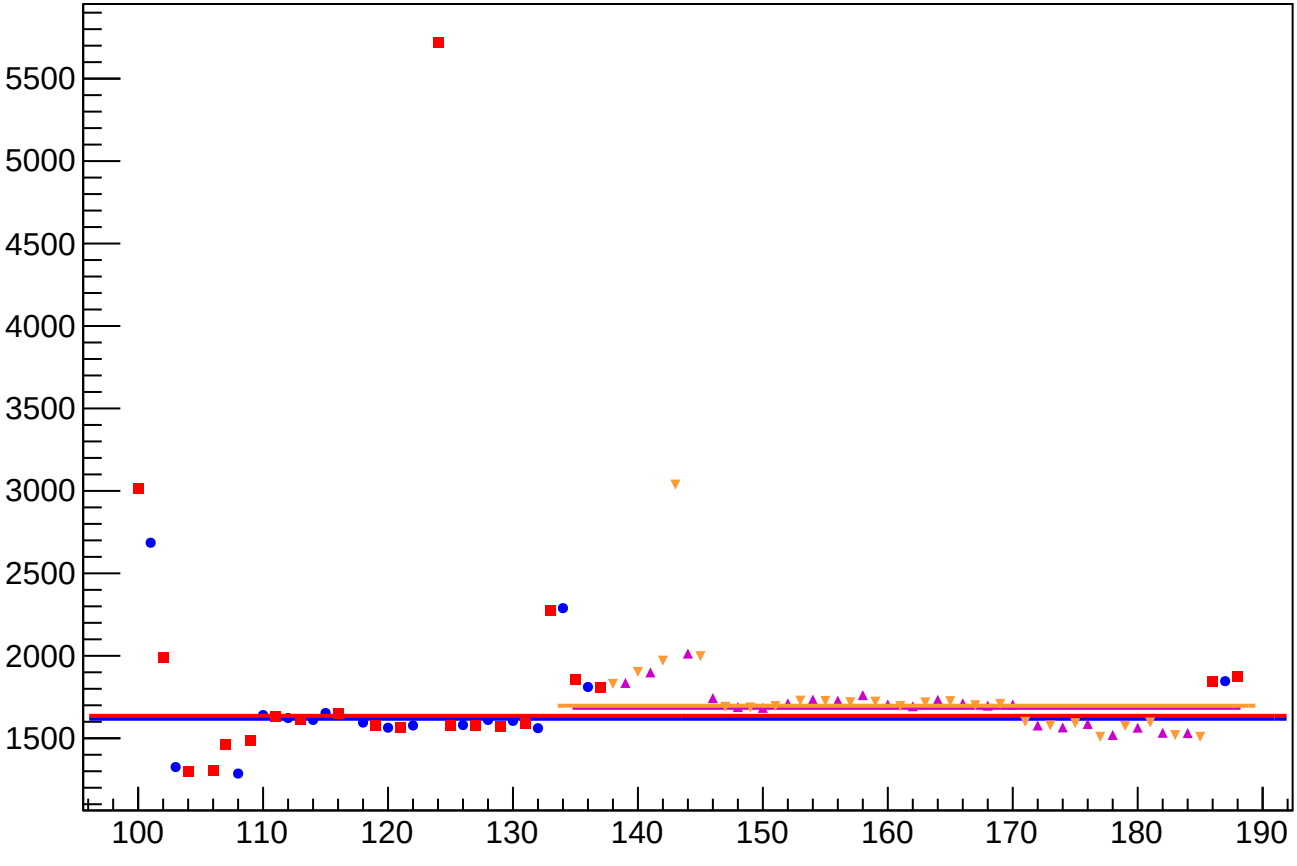
In: 905.832+/-0.133 χ^2/NDF:4633687.3/39

Out: 908.478+/-0.130 χ^2/NDF:6825701.7/45

All: 907.181+/-0.093 χ^2/NDF: 11459591.7/85


eigen_cor_asym_at2_dd_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
180
190
Right In: 1157.701+/-603.002 χ²/NDF: 14.4/16
Left Out: 361.560+/-388.131 χ²/NDF:29.6/24
Right Out: -169.470+/-564.304 χ²/NDF: 19.8/20
Left In: 156.934+/-394.258 χ²/NDF:16.0/22
Left: 260.849+/-276.591 χ²/NDF: 45.7/47
Right: 450.166+/-412.025 χ²/NDF: 36.8/37
In: 456.632+/-329.985 χ²/NDF:32.4/39
Out: 191.021+/-319.791 χ²/NDF:50.0/45
All: 319.660+/-229.646 χ²/NDF: 82.7/85

eigen_cor_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1618.359+/-0.426 χ^2/NDF: 410560.0/16

Left Out: 1697.496+/-0.274 χ^2/NDF:495397.9/24

Right Out: 1636.204+/-0.399 χ^2/NDF: 472993.0/20

Left In: 1684.577+/-0.279 χ^2/NDF:165355.7/22

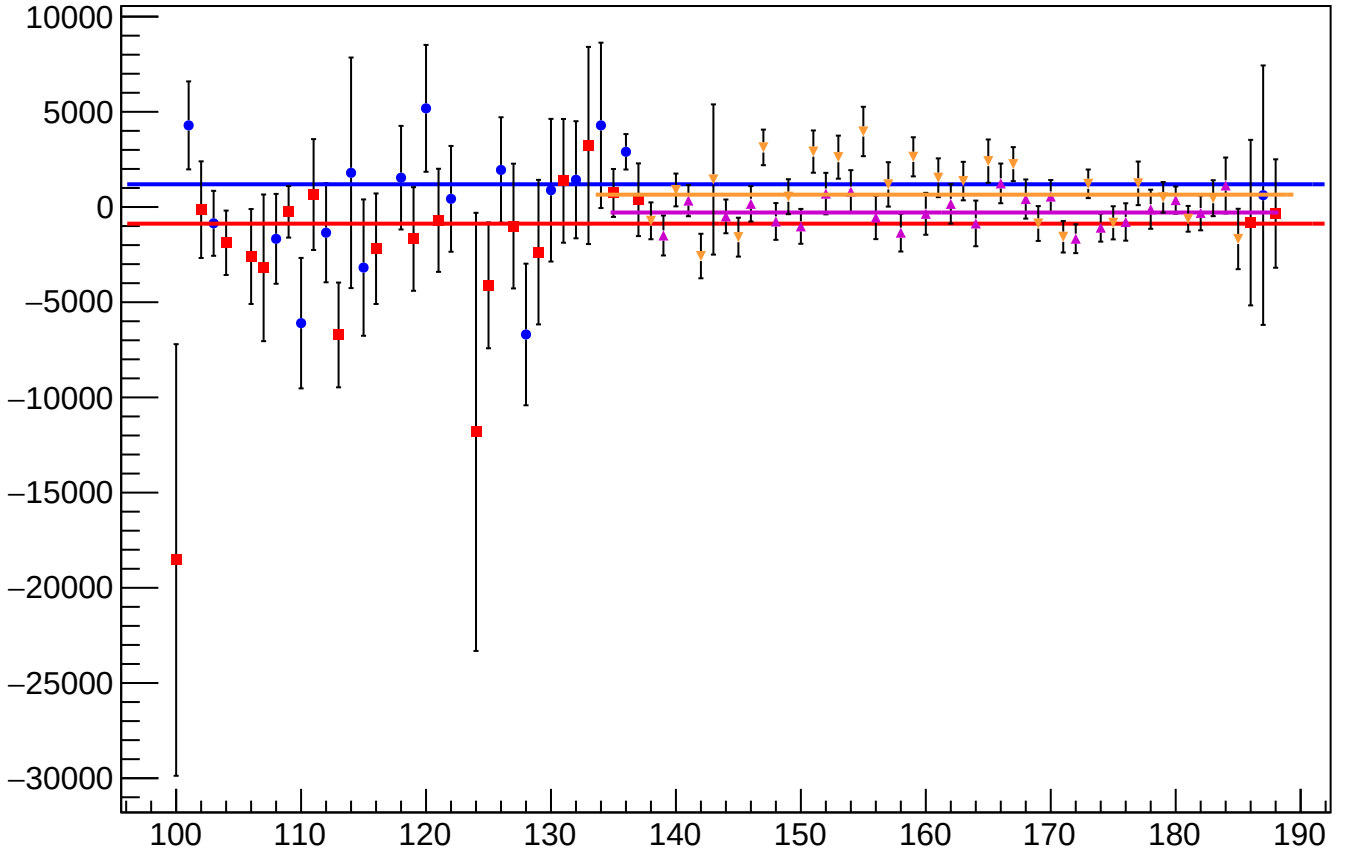
Left: 1691.137+/-0.196 χ^2/NDF: 661844.0/47

Right: 1627.872+/-0.291 χ^2/NDF: 884486.7/37

In: 1664.747+/-0.233 χ^2/NDF:592811.3/39

Out: 1677.812+/-0.226 χ^2/NDF:984408.1/45

All: 1671.484+/-0.162 χ^2/NDF: 1578836.1/85



Right In: 1194.216+/-576.169 χ^2/NDF: 21.7/16

Left Out: 649.165+/-195.673 χ^2/NDF:65.5/24

Right Out: -874.236+/-542.062 χ^2/NDF: 14.2/20

Left In: -288.602+/-198.495 χ^2/NDF:16.6/22

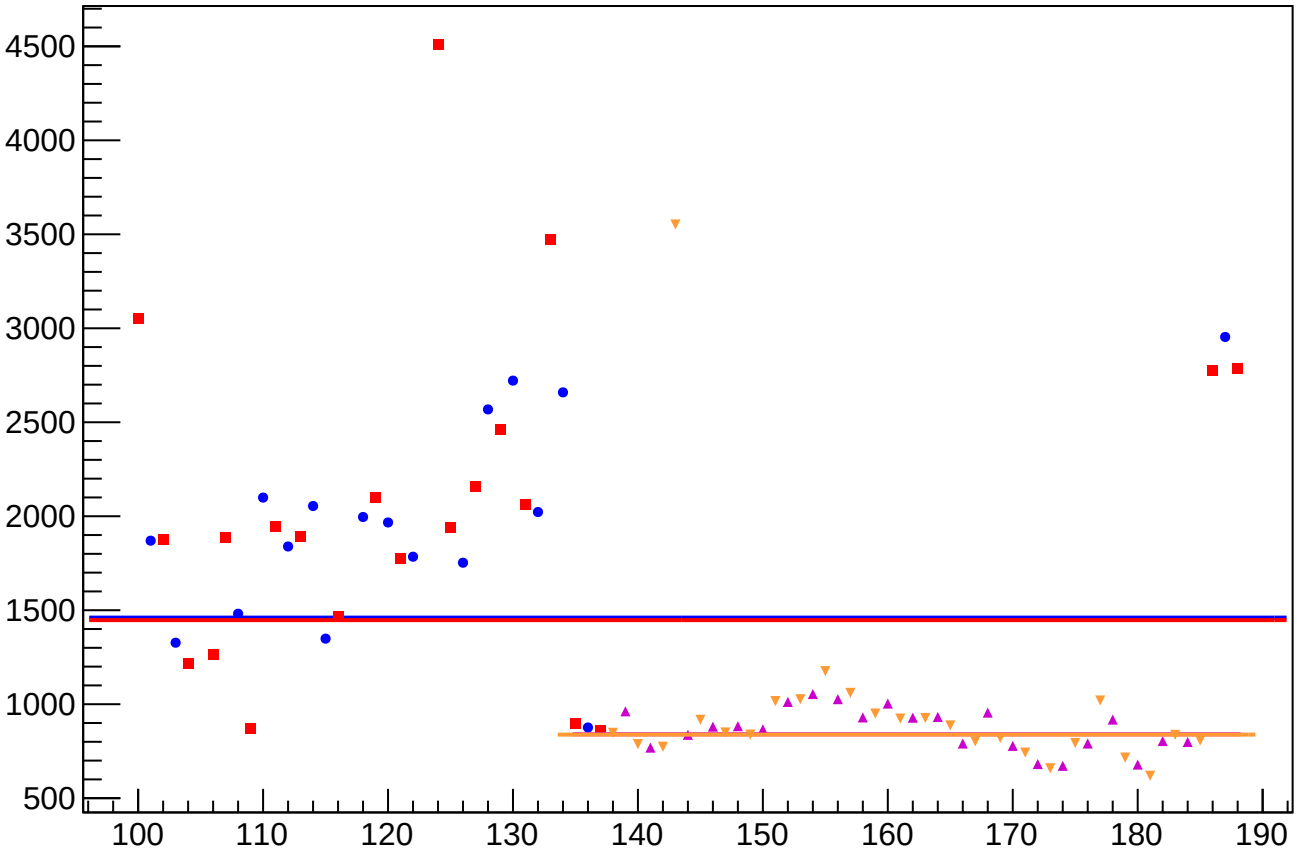
Left: 186.994+/-139.349 χ^2/NDF: 93.4/47

Right: 96.958+/-394.803 χ^2/NDF: 42.8/37

In: -131.284+/-187.670 χ^2/NDF:44.2/39

Out: 473.542+/-184.049 χ^2/NDF:86.8/45

All: 177.020+/-131.404 χ^2/NDF: 136.2/85



Right In: 1460.693+/-0.407 χ^2/NDF: 1889409.2/16

Left Out: 838.254+/-0.138 χ^2/NDF:1800138.0/24

Right Out: 1447.394+/-0.383 χ^2/NDF: 2791113.2/20

Left In: 839.978+/-0.140 χ^2/NDF:669338.3/22

Left: 839.104+/-0.099 χ^2/NDF: 2469552.9/47

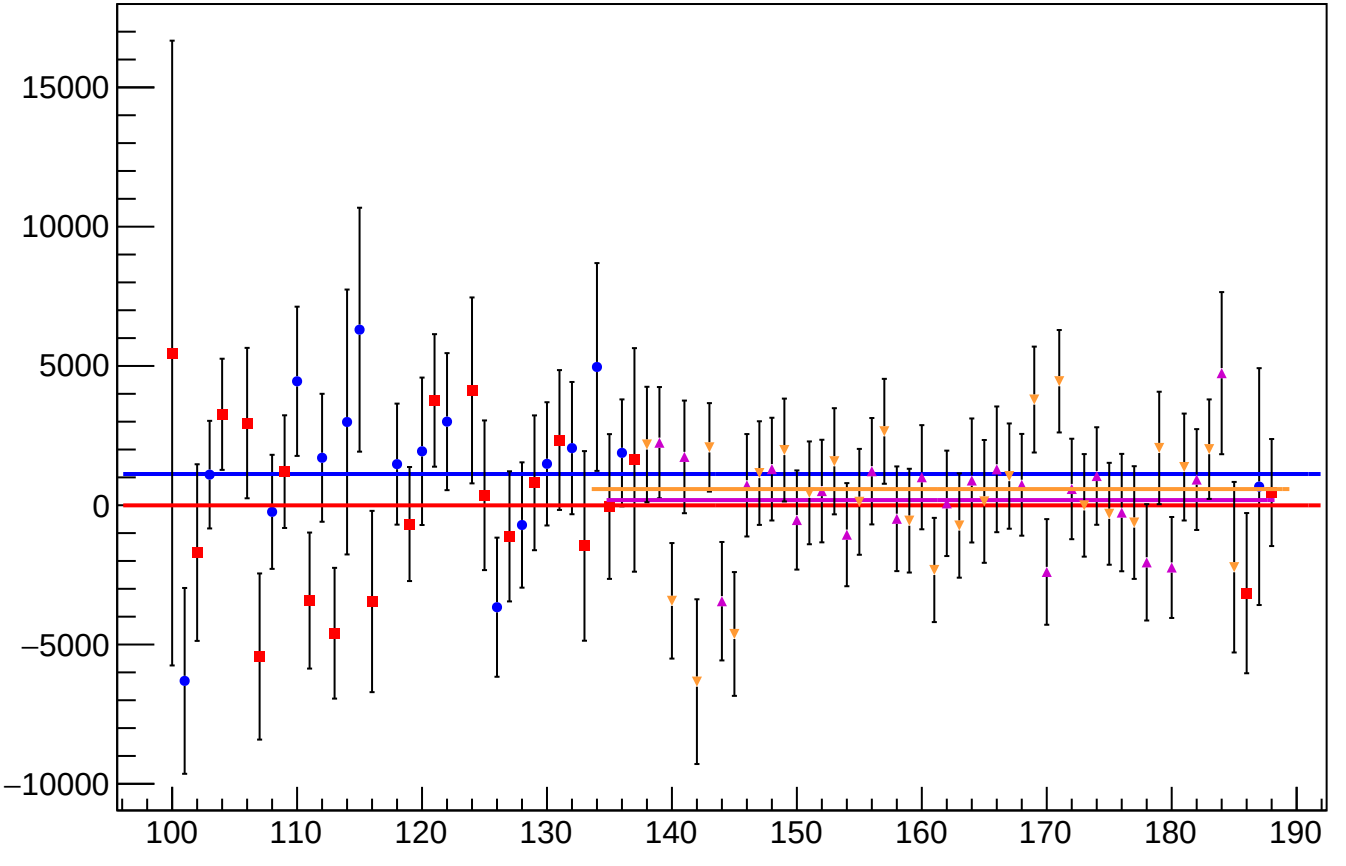
Right: 1453.638+/-0.279 χ^2/NDF: 4681087.7/37

In: 905.832+/-0.133 χ^2/NDF:4633687.3/39

Out: 908.478+/-0.130 χ^2/NDF:6825701.7/45

All: 907.181+/-0.093 χ^2/NDF: 11459591.7/85

dit_asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 1121.200+/-610.832 χ^2/NDF: 15.0/16

Left Out: 580.299+/-389.769 χ^2/NDF:31.9/24

Right Out: -4.067+/-564.208 χ^2/NDF: 22.0/20

Left In: 185.836+/-404.094 χ^2/NDF:14.4/22

Left: 390.183+/-280.536 χ^2/NDF: 46.9/47

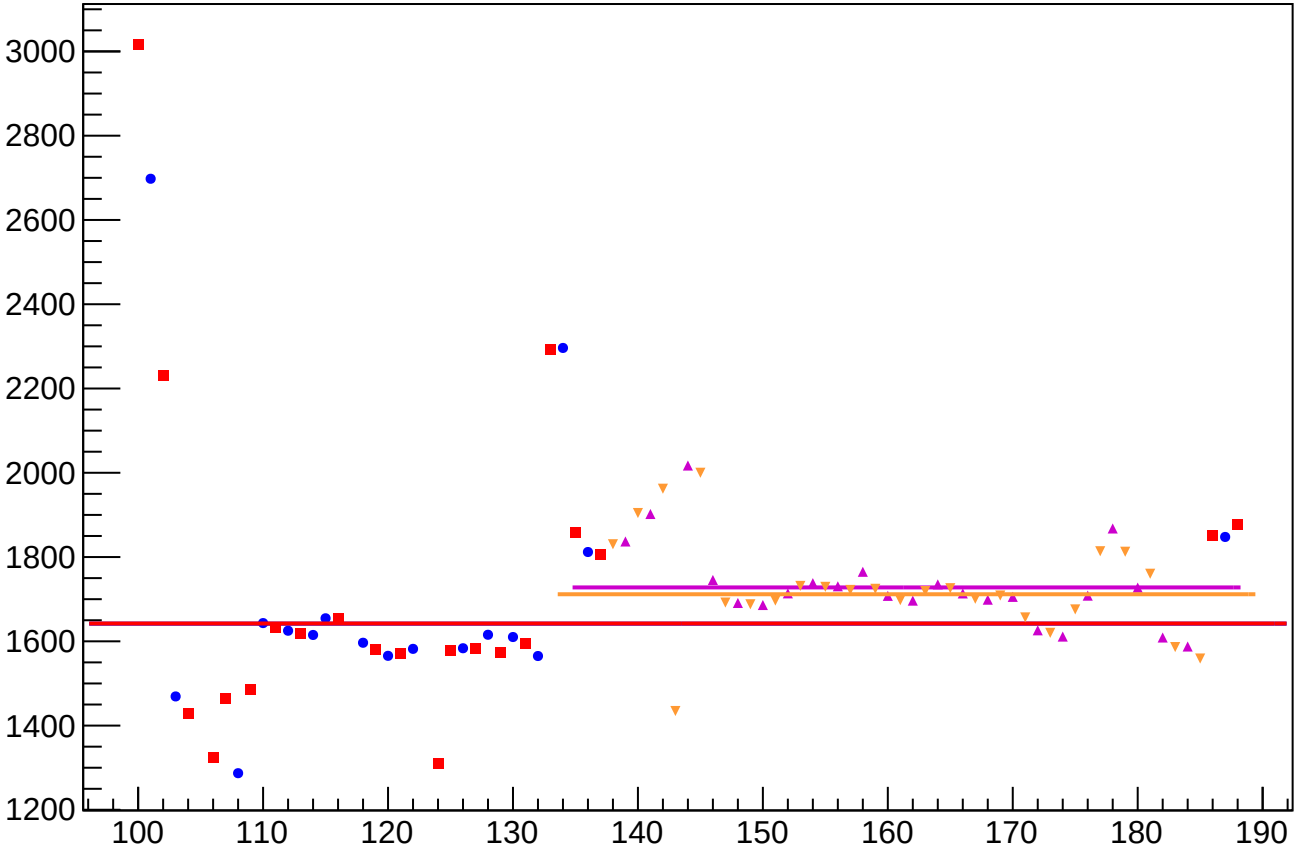
Right: 513.988+/-414.459 χ^2/NDF: 38.8/37

In: 470.578+/-337.021 χ^2/NDF:31.1/39

Out: 391.513+/-320.687 χ^2/NDF:54.6/45

All: 429.083+/-232.320 χ^2/NDF: 85.7/85

dit_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1641.912+/-0.432 χ^2/NDF: 366202.1/16

Left Out: 1711.712+/-0.276 χ^2/NDF:168006.4/24

Right Out: 1642.292+/-0.399 χ^2/NDF: 326782.2/20

Left In: 1727.912+/-0.286 χ^2/NDF:100226.8/22

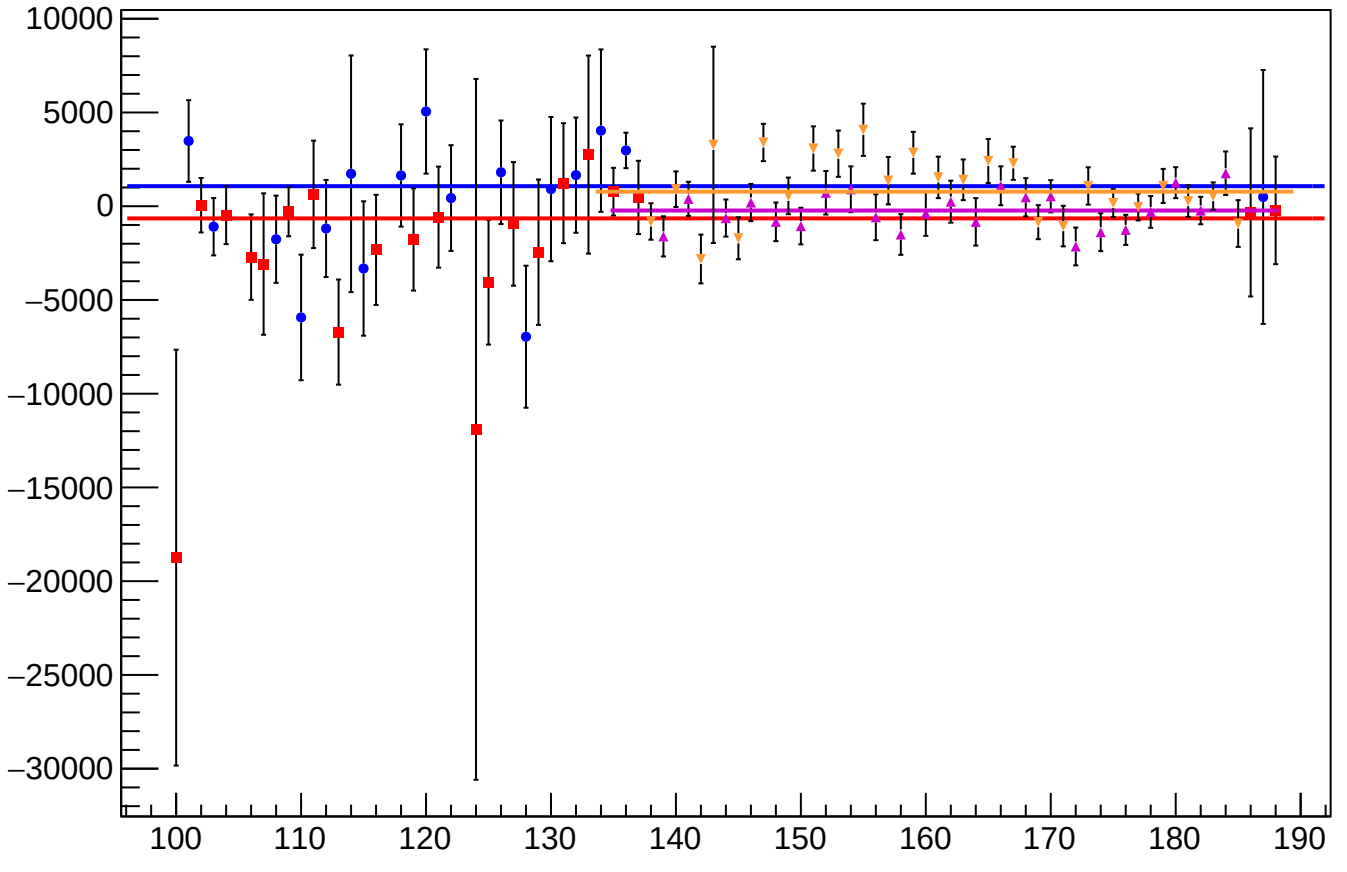
Left: 1719.520+/-0.198 χ^2/NDF: 269898.5/47

Right: 1642.117+/-0.293 χ^2/NDF: 692984.8/37

In: 1701.732+/-0.238 χ^2/NDF:494005.5/39

Out: 1689.285+/-0.227 χ^2/NDF:515284.7/45

All: 1695.199+/-0.164 χ^2/NDF: 1010722.0/85



Right In: 1069.496+/-569.583 χ^2/NDF: 22.0/16

Left Out: 778.974+/-201.641 χ^2/NDF:54.5/24

Right Out: -649.201+/-511.626 χ^2/NDF: 13.6/20

Left In: -228.879+/-206.703 χ^2/NDF:22.6/22

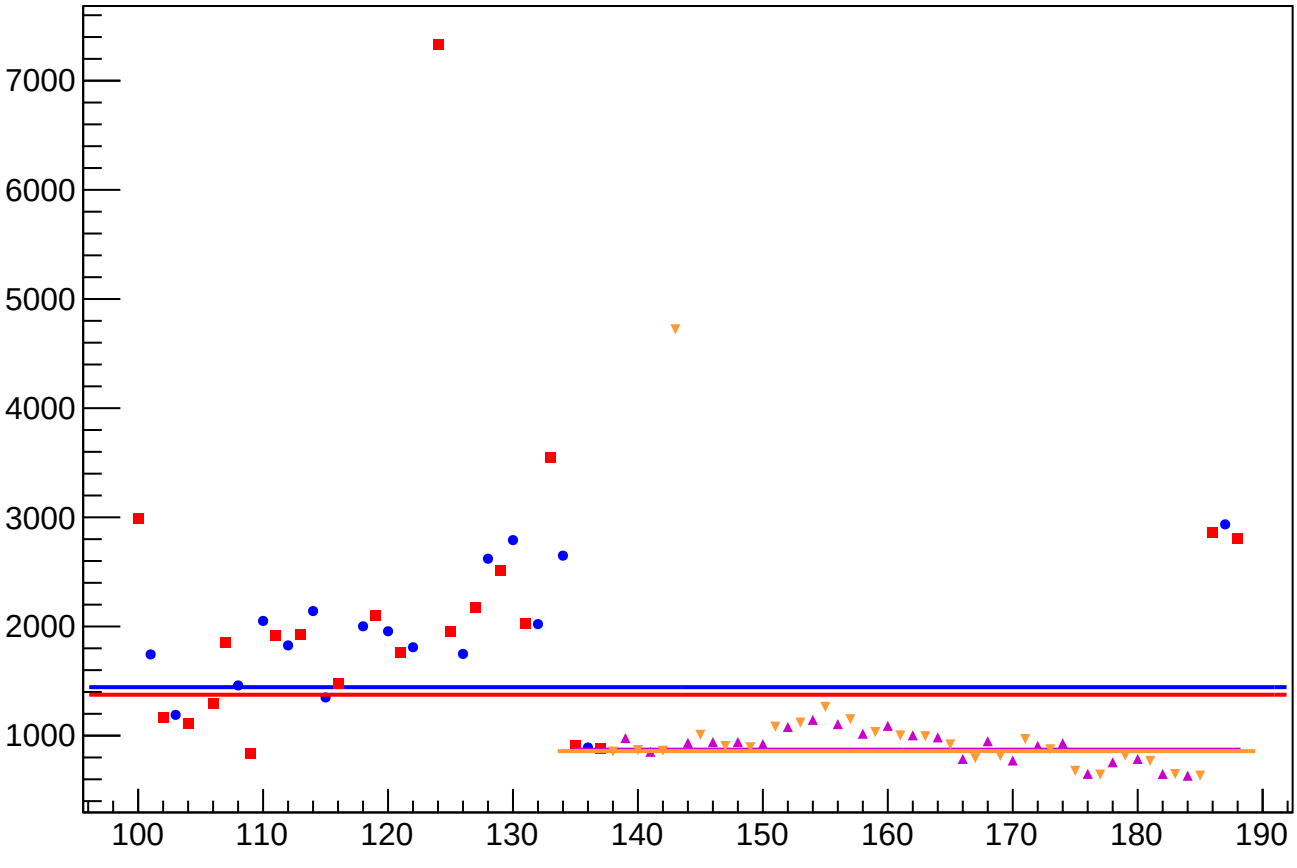
Left: 287.540+/-144.338 χ^2/NDF: 89.3/47

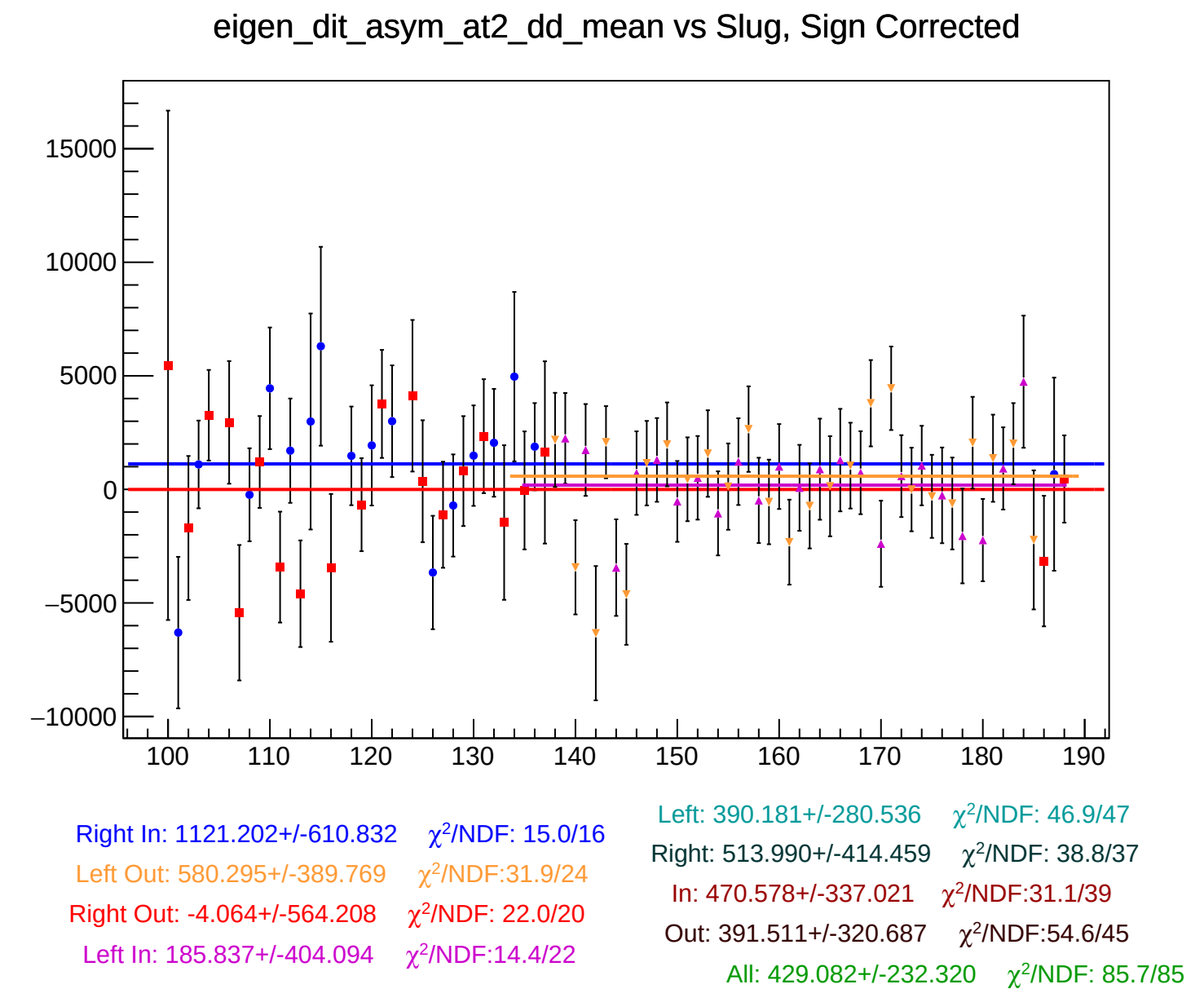
Right: 118.282+/-380.620 χ^2/NDF: 40.7/37

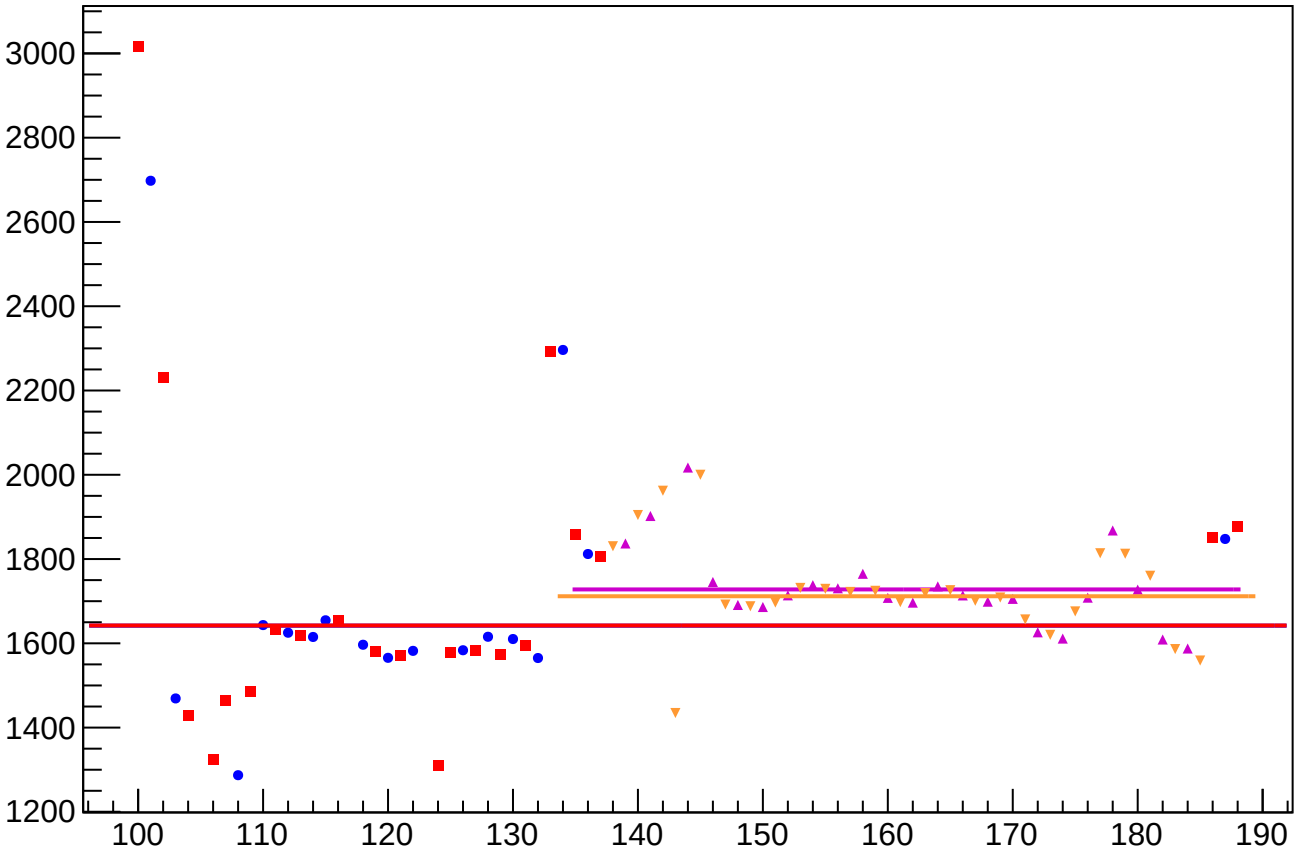
In: -77.783+/-194.304 χ^2/NDF:49.2/39

Out: 586.962+/-187.597 χ^2/NDF:74.9/45

All: 266.260+/-134.960 χ^2/NDF: 130.2/85


asym_at2_dd_dit_correction_rms vs Slug, Sign Corrected
7000
6000
5000
4000
3000
2000
1000
100
110
120
130
140
150
160
170
180
190
Right In: 1444.105+/-0.403 χ²/NDF: 1861221.0/16
Left Out: 858.593+/-0.143 χ²/NDF:2279775.0/24
Right Out: 1374.840+/-0.362 χ²/NDF: 2937379.1/20
Left In: 871.527+/-0.146 χ²/NDF:979356.2/22
Left: 864.899+/-0.102 χ²/NDF: 3263143.5/47
Right: 1405.771+/-0.269 χ²/NDF: 4814969.1/37
In: 938.159+/-0.137 χ²/NDF:4626471.3/39
Out: 928.000+/-0.133 χ²/NDF:6979682.6/45
All: 932.901+/-0.095 χ²/NDF: 11608983.4/85


eigen_dit_asym_at2_dd_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
180
190
Right In: 1121.202+/-610.832 χ²/NDF: 15.0/16
Left Out: 580.295+/-389.769 χ²/NDF:31.9/24
Right Out: -4.064+/-564.208 χ²/NDF: 22.0/20
Left In: 185.837+/-404.094 χ²/NDF:14.4/22
Left: 390.181+/-280.536 χ²/NDF: 46.9/47
Right: 513.990+/-414.459 χ²/NDF: 38.8/37
In: 470.578+/-337.021 χ²/NDF:31.1/39
Out: 391.511+/-320.687 χ²/NDF:54.6/45
All: 429.082+/-232.320 χ²/NDF: 85.7/85



Right In: 1641.912+/-0.432 χ^2/NDF: 366202.0/16

Left Out: 1711.711+/-0.276 χ^2/NDF:168005.1/24

Right Out: 1642.292+/-0.399 χ^2/NDF: 326782.5/20

Left In: 1727.912+/-0.286 χ^2/NDF:100226.8/22

Left: 1719.519+/-0.198 χ^2/NDF: 269897.2/47

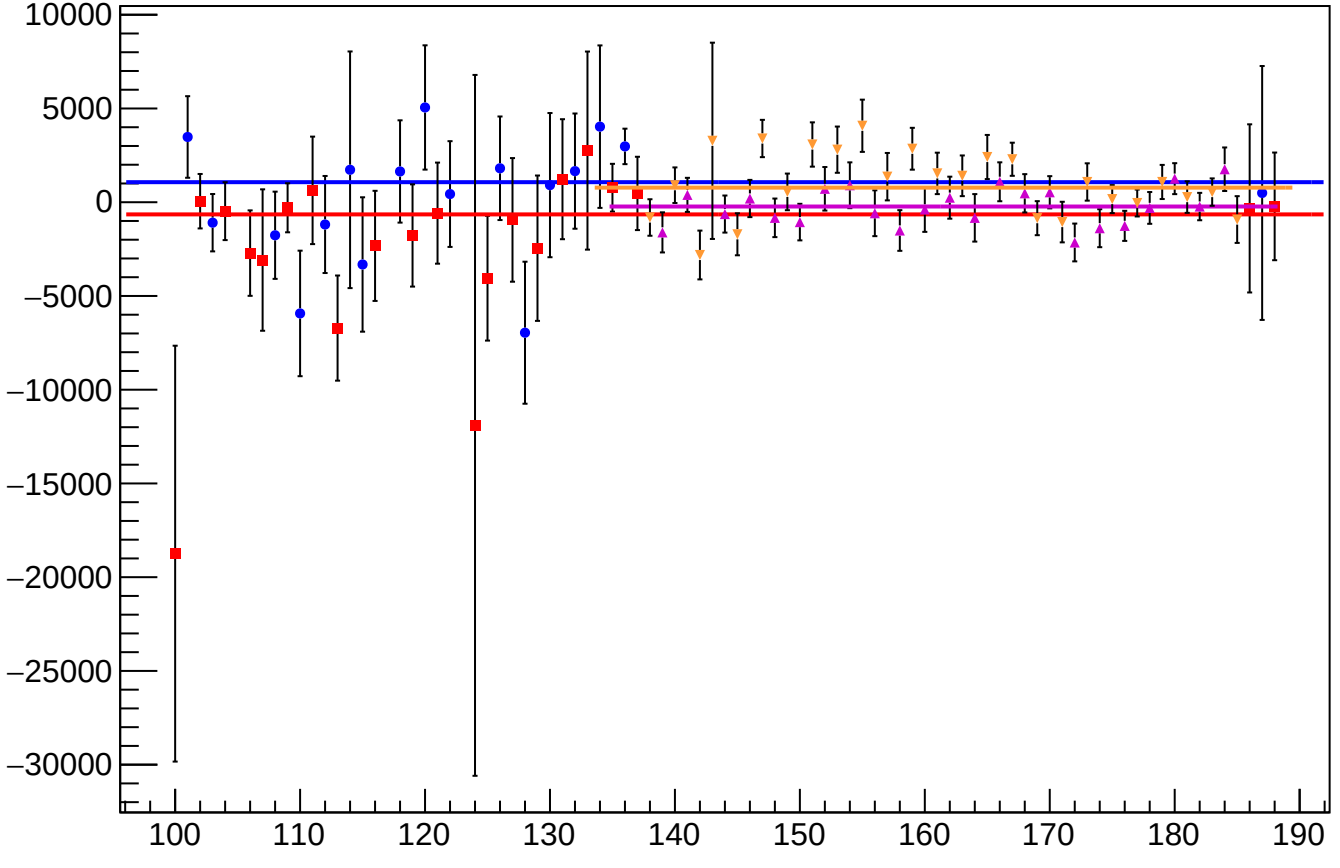
Right: 1642.117+/-0.293 χ^2/NDF: 692984.9/37

In: 1701.732+/-0.238 χ^2/NDF:494005.1/39

Out: 1689.284+/-0.227 χ^2/NDF:515283.7/45

All: 1695.199+/-0.164 χ^2/NDF: 1010720.6/85

asym_at2_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 1069.485+/-569.587 χ^2/NDF: 22.0/16

Left Out: 778.977+/-201.641 χ^2/NDF:54.5/24

Right Out: -649.213+/-511.629 χ^2/NDF: 13.6/20

Left In: -228.876+/-206.703 χ^2/NDF:22.6/22

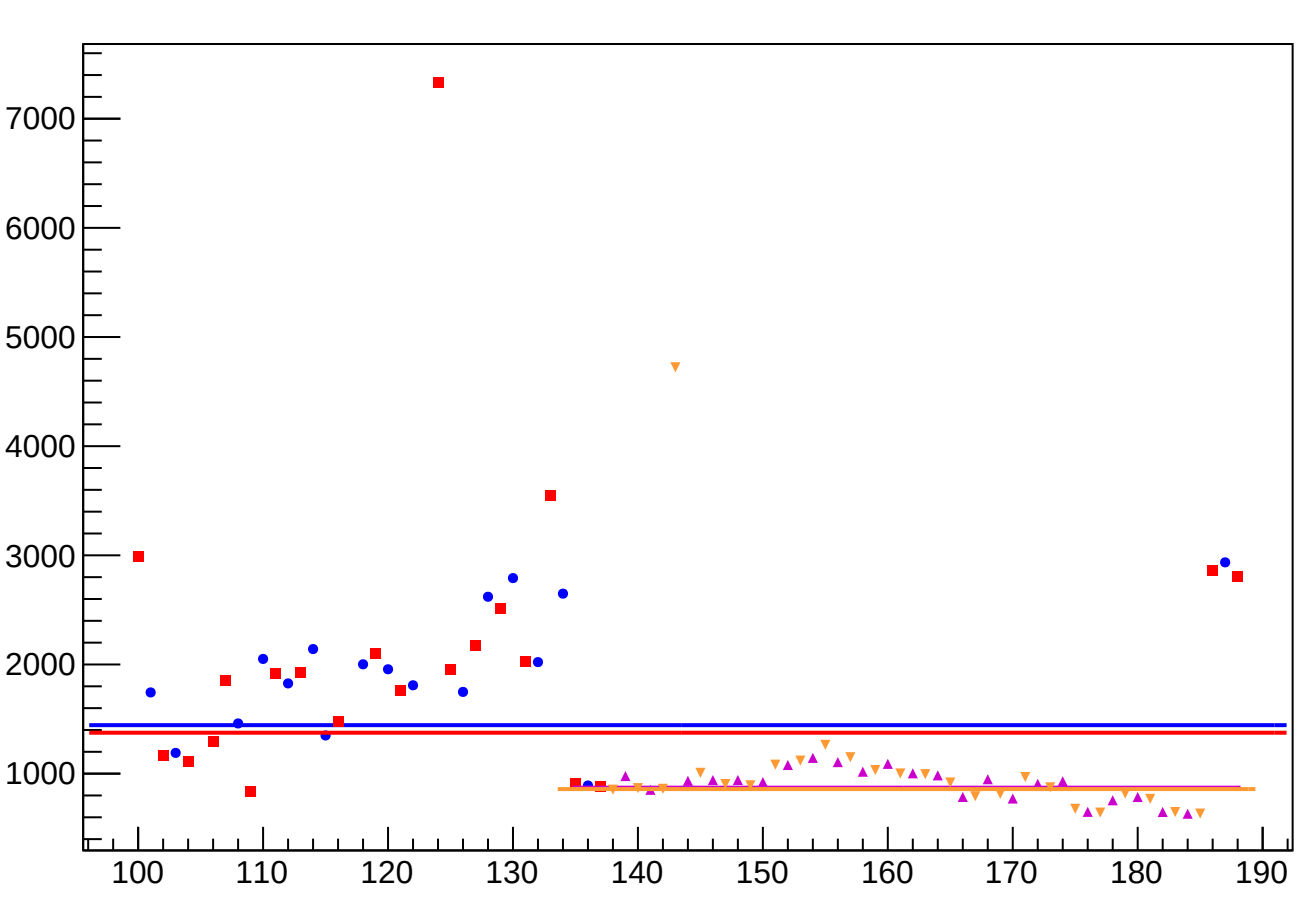
Left: 287.542+/-144.338 χ^2/NDF: 89.3/47

Right: 118.271+/-380.623 χ^2/NDF: 40.7/37

In: -77.785+/-194.304 χ^2/NDF:49.2/39

Out: 586.965+/-187.597 χ^2/NDF:74.9/45

All: 266.261+/-134.960 χ^2/NDF: 130.2/85



Right In: 1444.121+/-0.403 χ^2/NDF: 1861125.7/16

Left Out: 858.593+/-0.143 χ^2/NDF:2279765.6/24

Right Out: 1374.854+/-0.362 χ^2/NDF: 2937299.6/20

Left In: 871.525+/-0.146 χ^2/NDF:979360.3/22

Left: 864.899+/-0.102 χ^2/NDF: 3263137.5/47

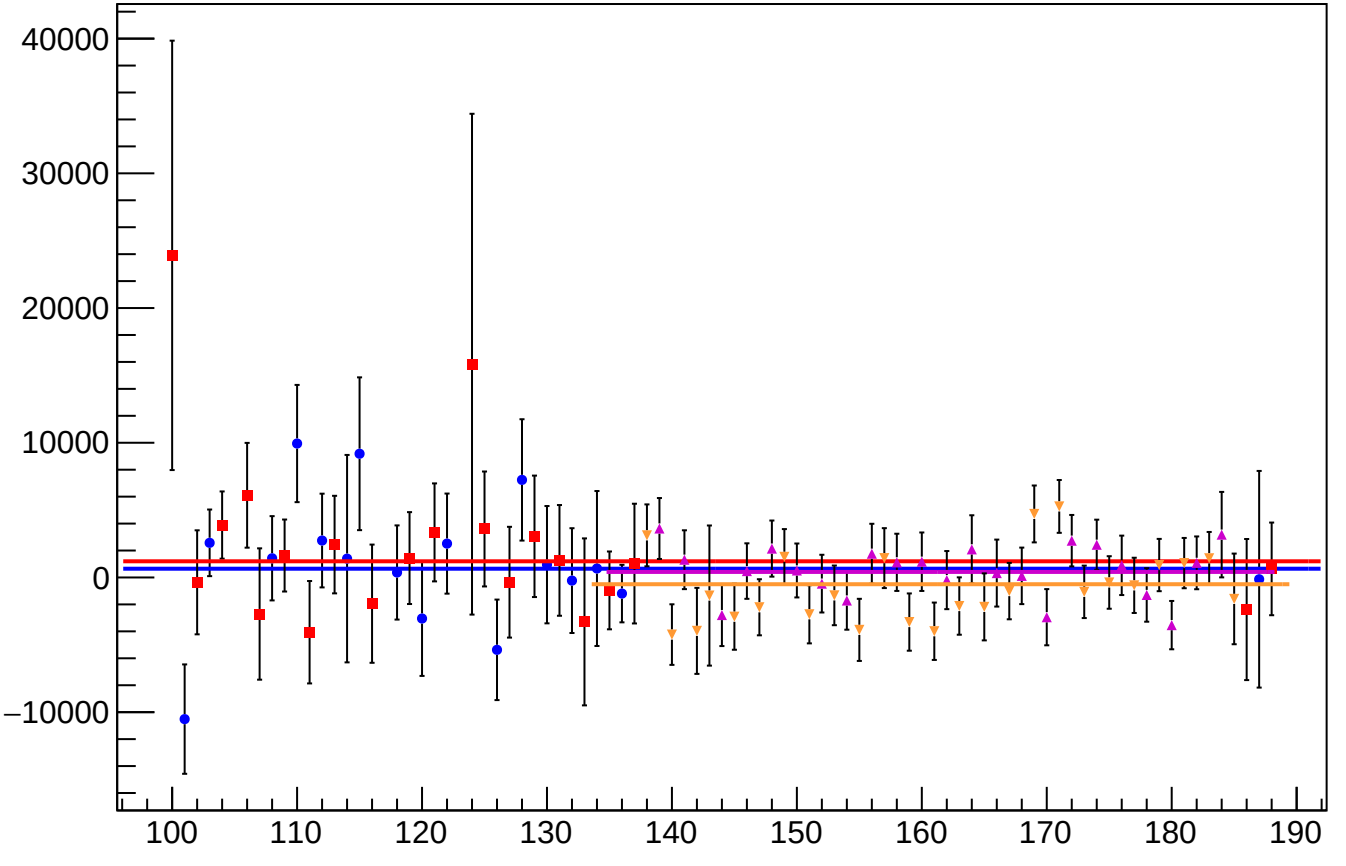
Right: 1405.785+/-0.269 χ^2/NDF: 4814795.0/37

In: 938.159+/-0.137 χ^2/NDF:4626461.4/39

Out: 928.001+/-0.133 χ^2/NDF:6979663.8/45

All: 932.902+/-0.095 χ^2/NDF: 11608954.1/85

asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 649.446+/-903.807 χ^2/NDF: 22.0/16

Left Out: -501.517+/-439.916 χ^2/NDF:35.9/24

Right Out: 1200.583+/-850.686 χ^2/NDF: 11.3/20

Left In: 411.323+/-444.573 χ^2/NDF:18.9/22

Left: -49.903+/-312.701 χ^2/NDF: 56.9/47

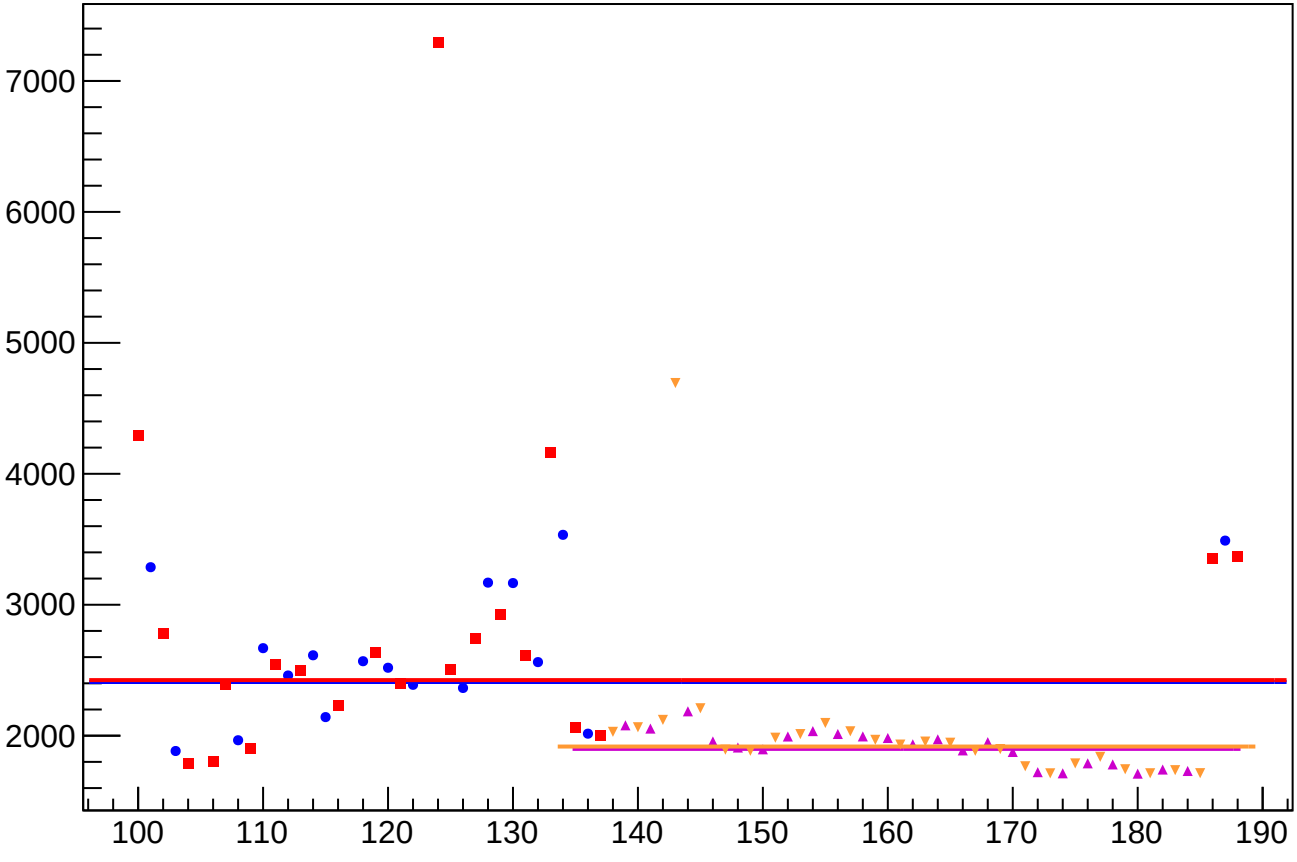
Right: 941.686+/-619.454 χ^2/NDF: 33.5/37

In: 457.714+/-398.924 χ^2/NDF:40.9/39

Out: -142.376+/-390.759 χ^2/NDF:50.4/45

All: 151.465+/-279.150 χ^2/NDF: 92.5/85

asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 2410.089+/-0.639 χ^2/NDF: 544413.2/16

Left Out: 1917.157+/-0.311 χ^2/NDF:756385.6/24

Right Out: 2424.528+/-0.602 χ^2/NDF: 914482.8/20

Left In: 1899.245+/-0.314 χ^2/NDF:173376.4/22

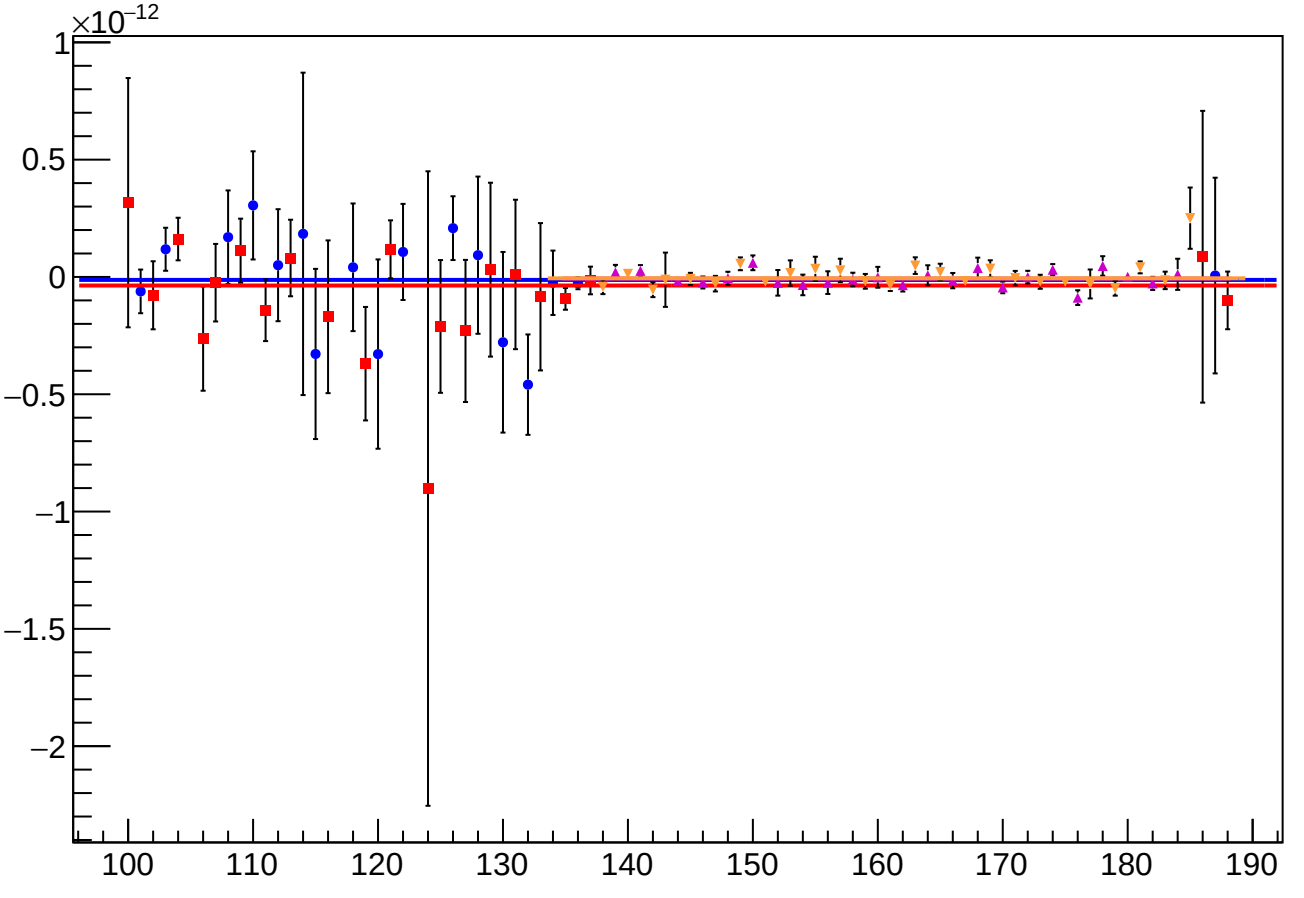
Left: 1908.296+/-0.221 χ^2/NDF: 931402.4/47

Right: 2417.745+/-0.438 χ^2/NDF: 1459166.7/37

In: 1998.767+/-0.282 χ^2/NDF:1232246.5/39

Out: 2024.213+/-0.276 χ^2/NDF:2232206.9/45

All: 2011.753+/-0.197 χ^2/NDF: 3468606.3/85



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/16

Left Out: -0.000+/-0.000 χ^2/NDF:28.5/24

Right Out: -0.000+/-0.000 χ^2/NDF: 15.5/20

Left In: -0.000+/-0.000 χ^2/NDF:25.0/22

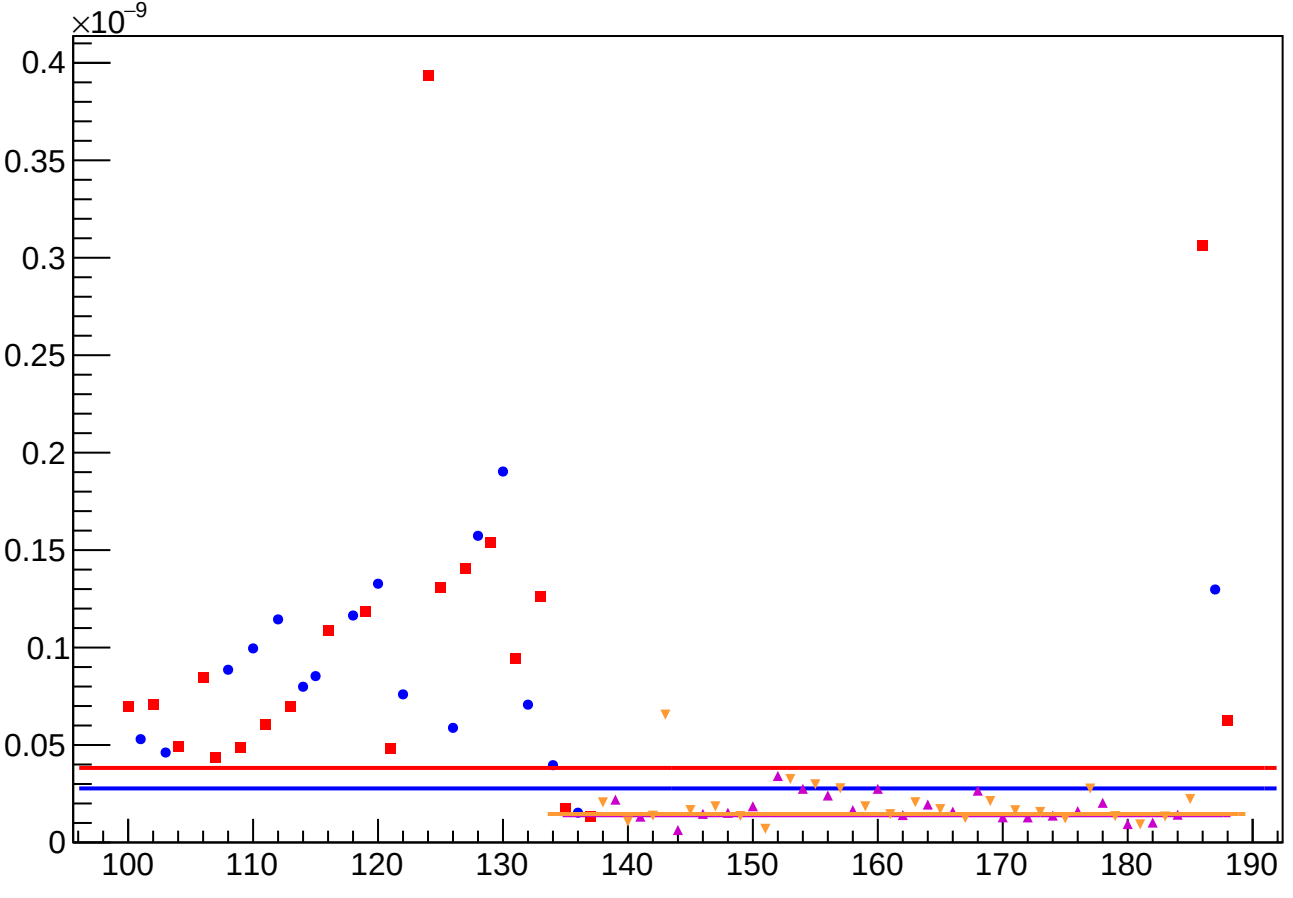
Left: -0.000+/-0.000 χ^2/NDF: 53.6/47

Right: -0.000+/-0.000 χ^2/NDF: 30.8/37

In: -0.000+/-0.000 χ^2/NDF:39.9/39

Out: -0.000+/-0.000 χ^2/NDF:45.3/45

All: -0.000+/-0.000 χ^2/NDF: 85.2/85



Right In: 0.000+/-0.000 χ^2/NDF: 2848118.7/16

Left Out: 0.000+/-0.000 χ^2/NDF:1874636.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2899791.0/20

Left In: 0.000+/-0.000 χ^2/NDF:1944578.7/22

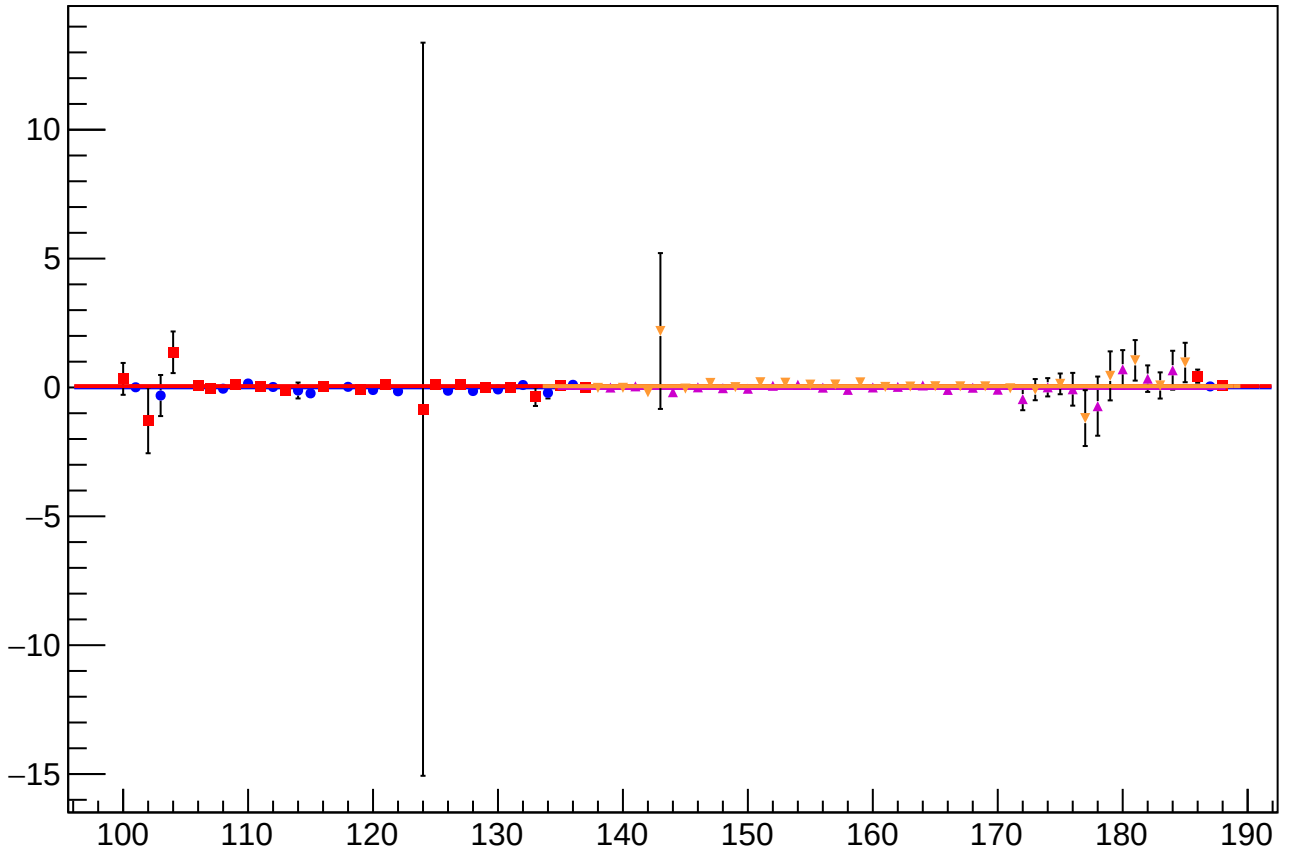
Left: 0.000+/-0.000 χ^2/NDF: 3830932.2/47

Right: 0.000+/-0.000 χ^2/NDF: 5927035.3/37

In: 0.000+/-0.000 χ^2/NDF:5513297.0/39

Out: 0.000+/-0.000 χ^2/NDF:6209459.0/45

All: 0.000+/-0.000 χ^2/NDF: 11741618.2/85



Right In: 0.004+/-0.027 χ^2/NDF: 13.3/16

Left Out: 0.050+/-0.017 χ^2/NDF:24.5/24

Right Out: 0.053+/-0.023 χ^2/NDF: 15.4/20

Left In: -0.019+/-0.017 χ^2/NDF:15.4/22

Left: 0.016+/-0.012 χ^2/NDF: 48.0/47

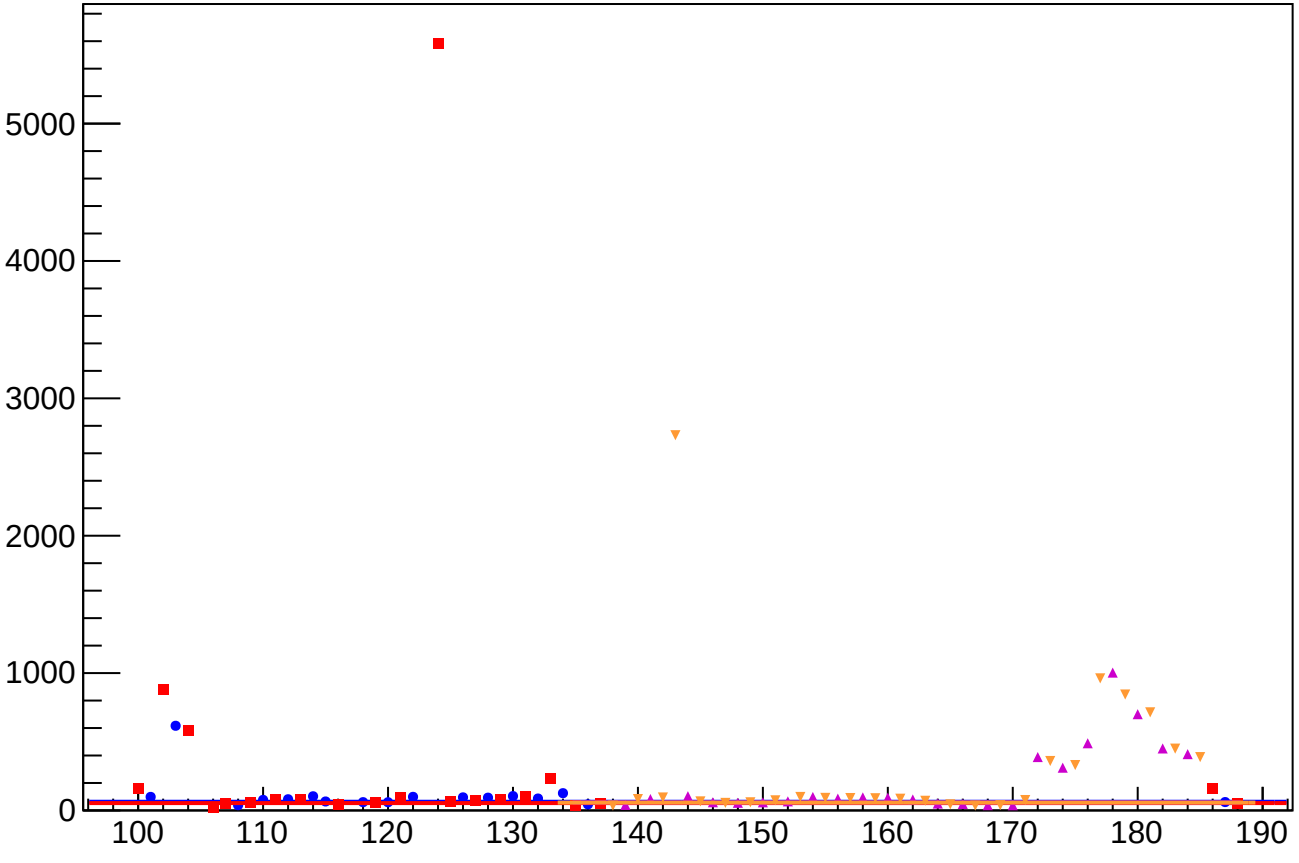
Right: 0.032+/-0.017 χ^2/NDF: 30.6/37

In: -0.012+/-0.014 χ^2/NDF:29.3/39

Out: 0.051+/-0.014 χ^2/NDF:39.9/45

All: 0.021+/-0.010 χ^2/NDF: 79.3/85

asym_at2_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 63.377+/-0.019 χ^2/NDF: 2445739.6/16

Left Out: 57.259+/-0.012 χ^2/NDF:12322019.7/24

Right Out: 53.607+/-0.016 χ^2/NDF: 4301469.3/20

Left In: 58.580+/-0.012 χ^2/NDF:10247660.0/22

Left: 57.916+/-0.009 χ^2/NDF: 22575659.0/47

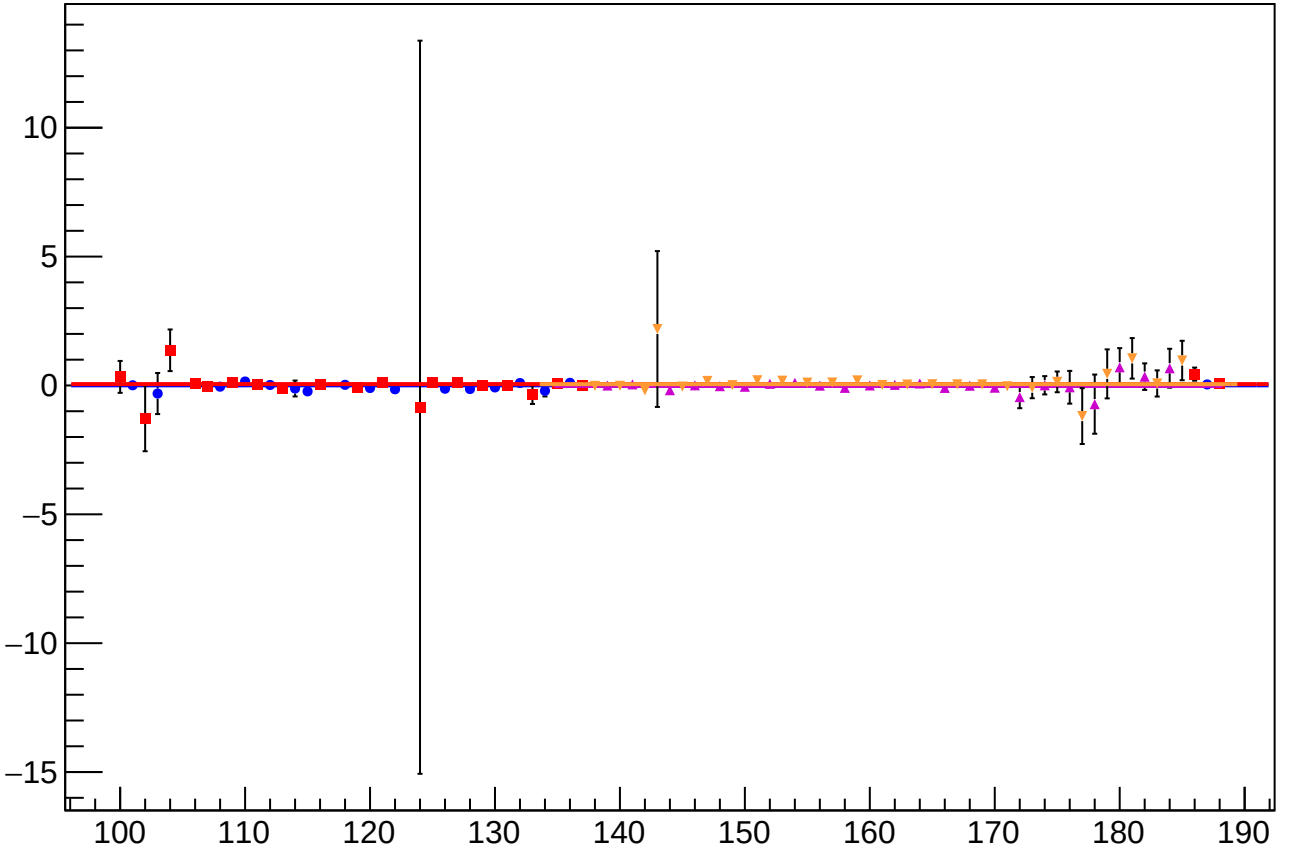
Right: 57.687+/-0.012 χ^2/NDF: 6902454.2/37

In: 59.974+/-0.010 χ^2/NDF:12738989.1/39

Out: 55.942+/-0.010 χ^2/NDF:16656697.4/45

All: 57.841+/-0.007 χ^2/NDF: 29478347.8/85

asym_at2_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.004+/-0.027 χ^2/NDF: 13.3/16

Left Out: 0.050+/-0.017 χ^2/NDF:24.5/24

Right Out: 0.053+/-0.023 χ^2/NDF: 15.4/20

Left In: -0.019+/-0.017 χ^2/NDF:15.4/22

Left: 0.016+/-0.012 χ^2/NDF: 48.0/47

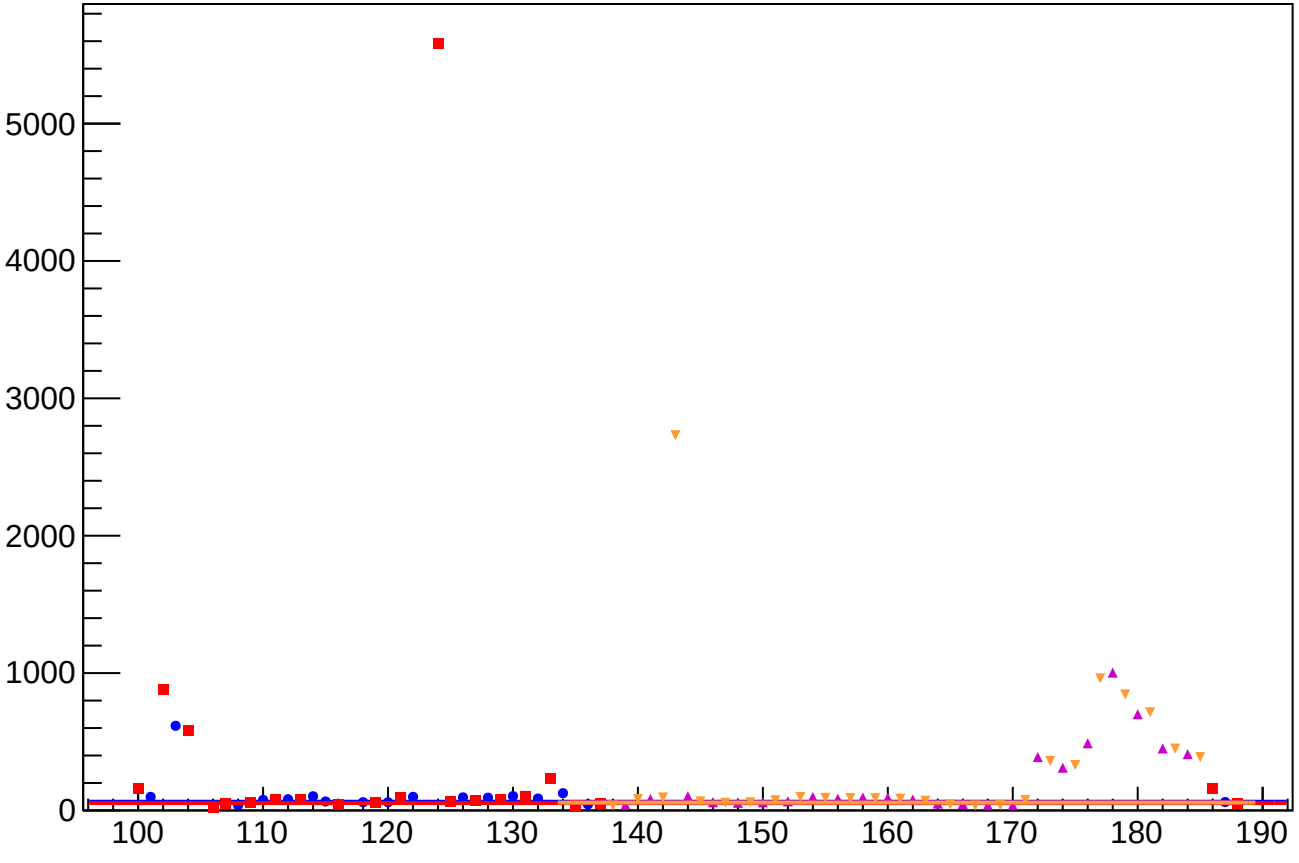
Right: 0.032+/-0.017 χ^2/NDF: 30.6/37

In: -0.012+/-0.014 χ^2/NDF:29.3/39

Out: 0.051+/-0.014 χ^2/NDF:39.9/45

All: 0.021+/-0.010 χ^2/NDF: 79.3/85

asym_at2_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 63.377+/-0.019 χ^2/NDF: 2445739.6/16

Left Out: 57.259+/-0.012 χ^2/NDF:12322019.7/24

Right Out: 53.607+/-0.016 χ^2/NDF: 4301469.3/20

Left In: 58.580+/-0.012 χ^2/NDF:10247660.0/22

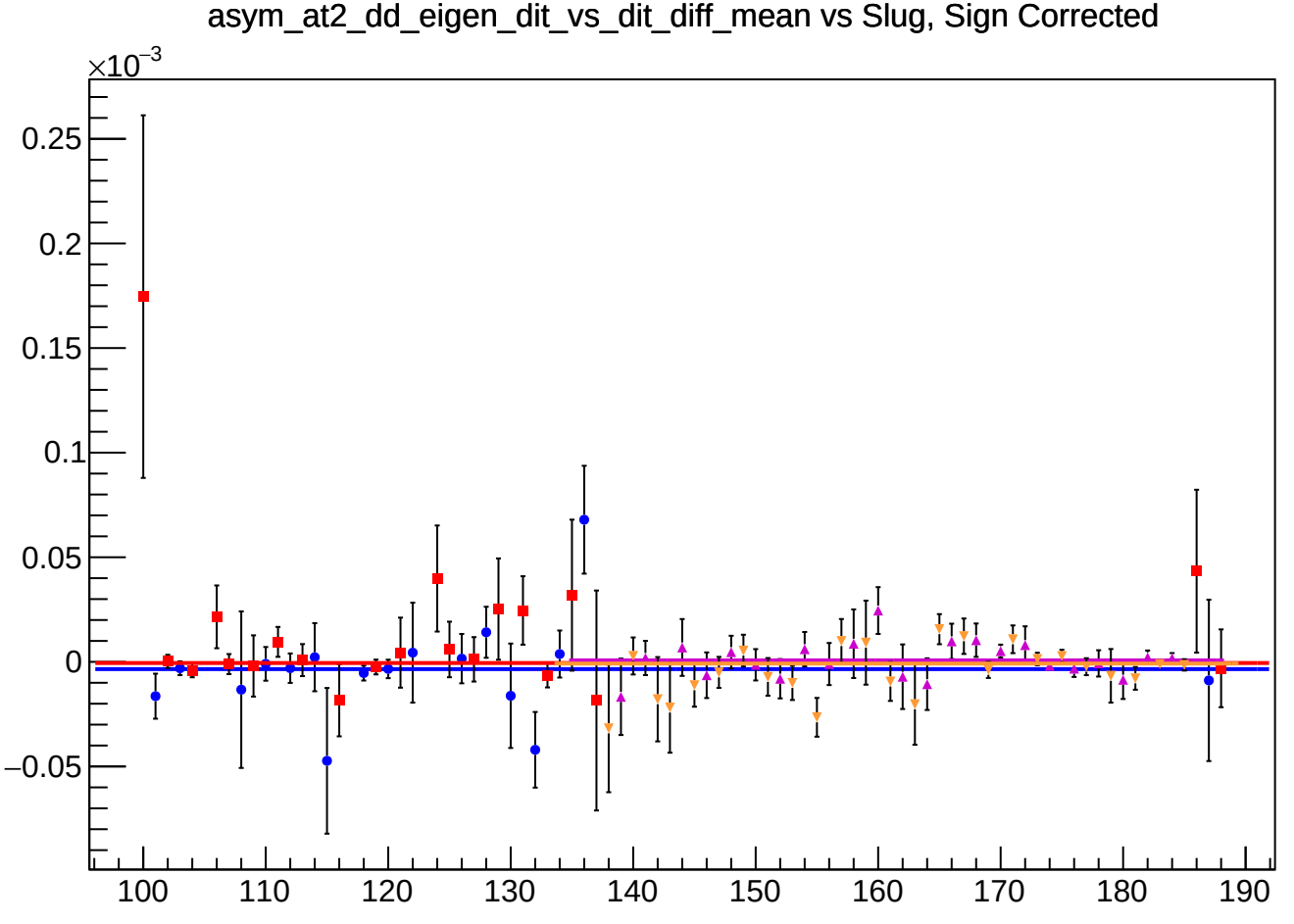
Left: 57.916+/-0.009 χ^2/NDF: 22575659.0/47

Right: 57.687+/-0.012 χ^2/NDF: 6902454.2/37

In: 59.974+/-0.010 χ^2/NDF:12738989.1/39

Out: 55.942+/-0.010 χ^2/NDF:16656697.4/45

All: 57.841+/-0.007 χ^2/NDF: 29478347.8/85



Right In: -0.000+/-0.000 χ^2/NDF: 18.9/16

Left Out: -0.000+/-0.000 χ^2/NDF:32.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 20.4/20

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

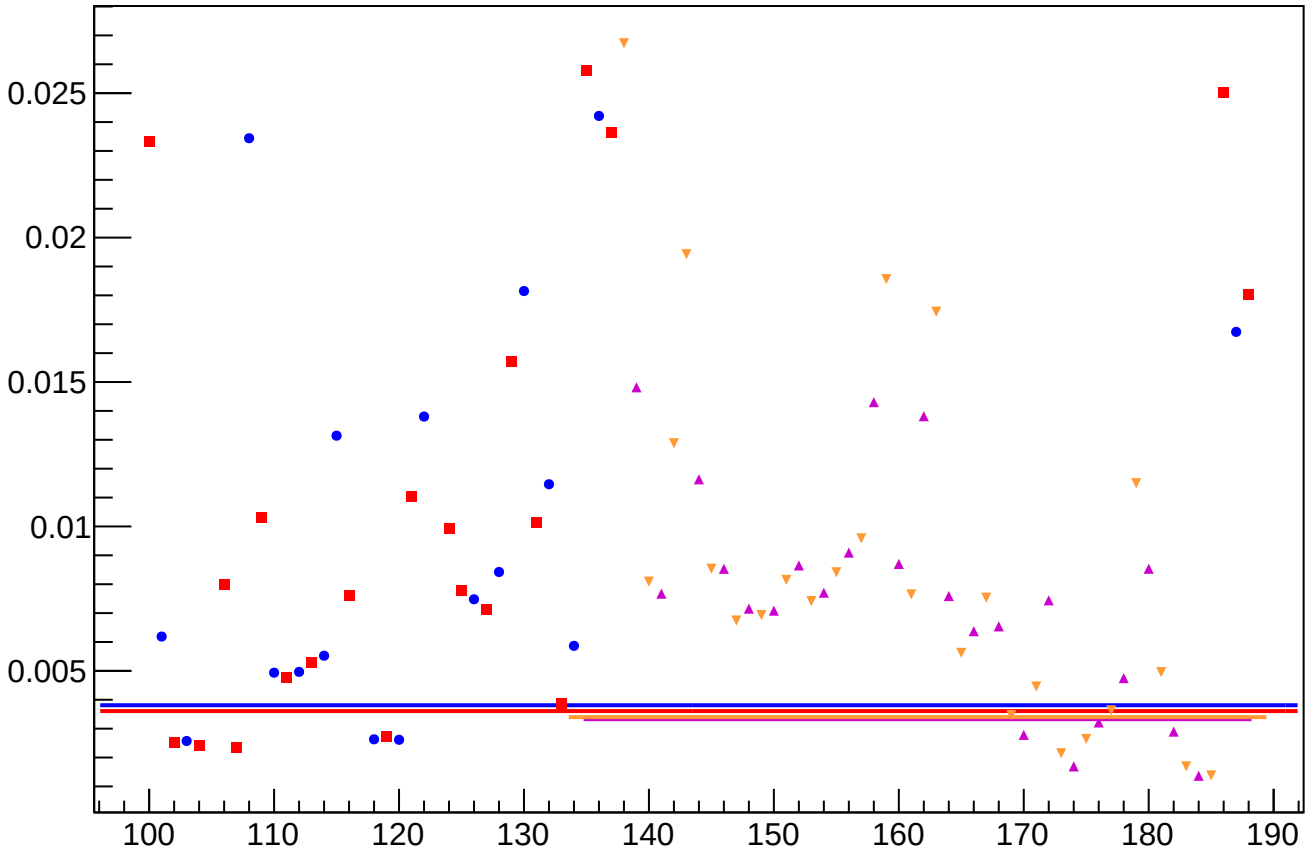
Left: -0.000+/-0.000 χ^2/NDF: 52.7/47

Right: -0.000+/-0.000 χ^2/NDF: 40.8/37

In: -0.000+/-0.000 χ^2/NDF:41.7/39

Out: -0.000+/-0.000 χ^2/NDF:53.2/45

All: -0.000+/-0.000 χ^2/NDF: 95.0/85



Right In: 0.004+/-0.000 χ^2/NDF: 4944824.4/16

Left Out: 0.003+/-0.000 χ^2/NDF:14248948.0/24

Right Out: 0.004+/-0.000 χ^2/NDF: 6316817.8/20

Left In: 0.003+/-0.000 χ^2/NDF:12566501.1/22

Left: 0.003+/-0.000 χ^2/NDF: 26820032.9/47

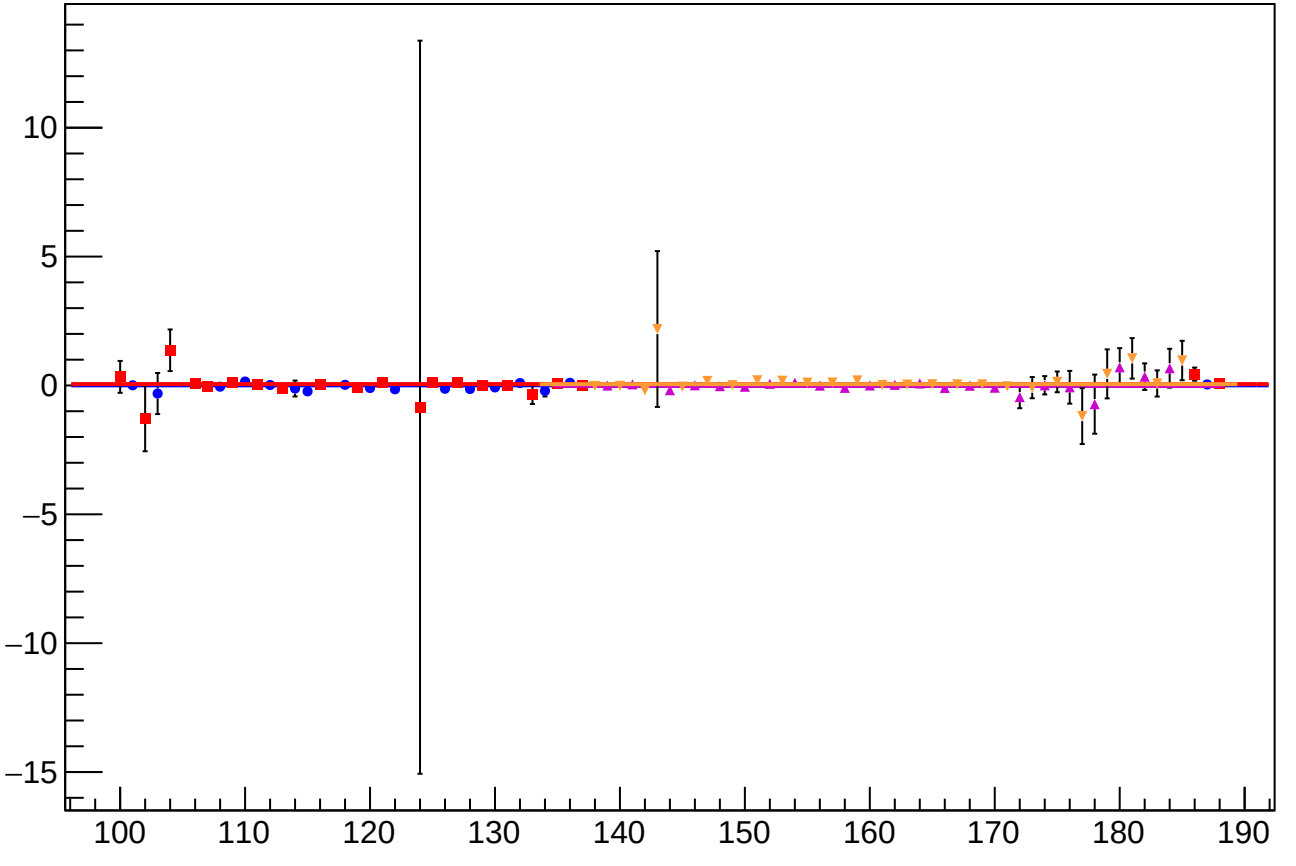
Right: 0.004+/-0.000 χ^2/NDF: 11275845.7/37

In: 0.003+/-0.000 χ^2/NDF:17616433.0/39

Out: 0.003+/-0.000 χ^2/NDF:20591796.2/45

All: 0.003+/-0.000 χ^2/NDF: 38208547.9/85

asym_at2_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.004+/-0.027 χ^2/NDF: 13.3/16

Left Out: 0.050+/-0.017 χ^2/NDF:24.5/24

Right Out: 0.053+/-0.023 χ^2/NDF: 15.4/20

Left In: -0.019+/-0.017 χ^2/NDF:15.4/22

Left: 0.016+/-0.012 χ^2/NDF: 48.0/47

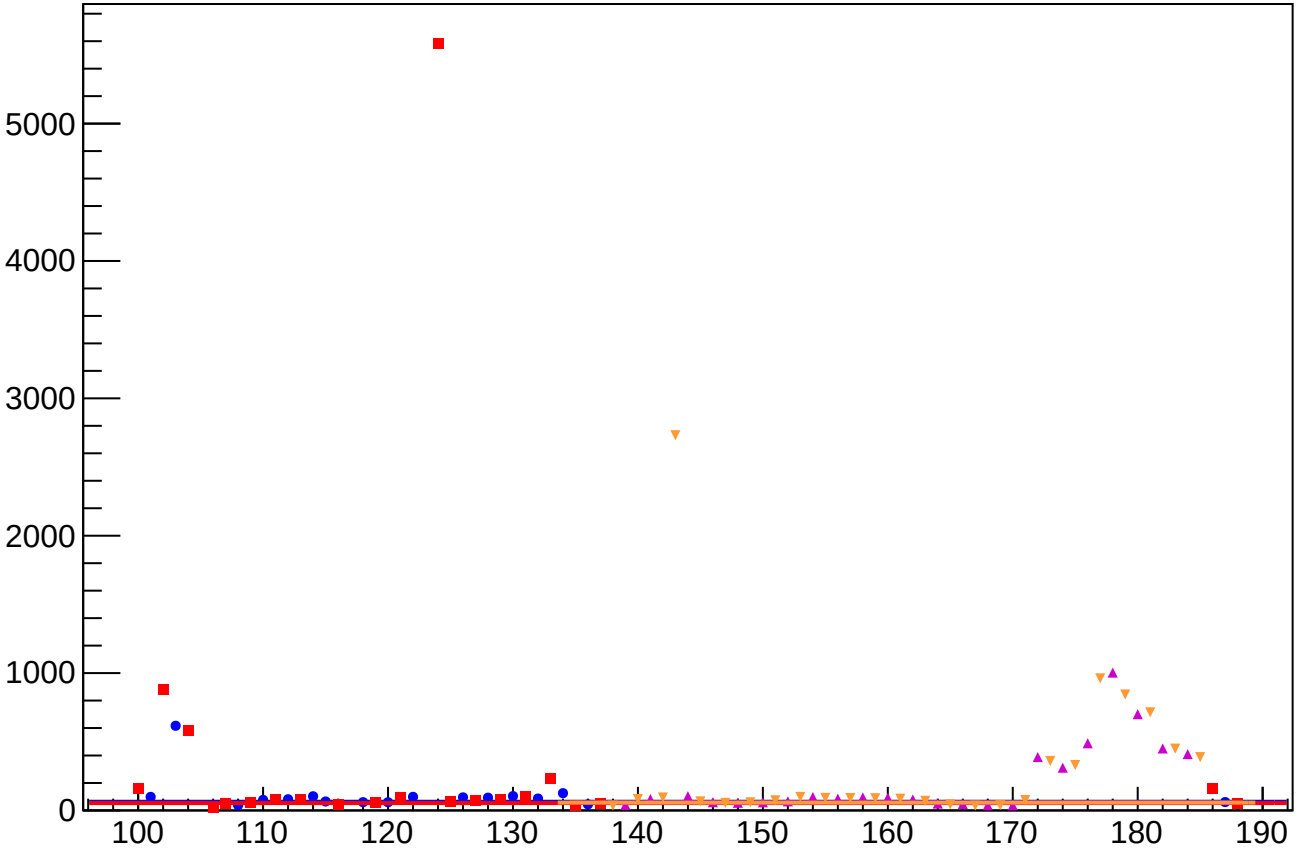
Right: 0.032+/-0.017 χ^2/NDF: 30.6/37

In: -0.012+/-0.014 χ^2/NDF:29.3/39

Out: 0.051+/-0.014 χ^2/NDF:39.9/45

All: 0.021+/-0.010 χ^2/NDF: 79.3/85

asym_at2_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 63.386+/-0.019 χ^2/NDF: 2444843.3/16

Left Out: 57.258+/-0.012 χ^2/NDF:12321763.3/24

Right Out: 53.602+/-0.016 χ^2/NDF: 4302063.6/20

Left In: 58.582+/-0.012 χ^2/NDF:10247153.8/22

Left: 57.916+/-0.009 χ^2/NDF: 22574928.3/47

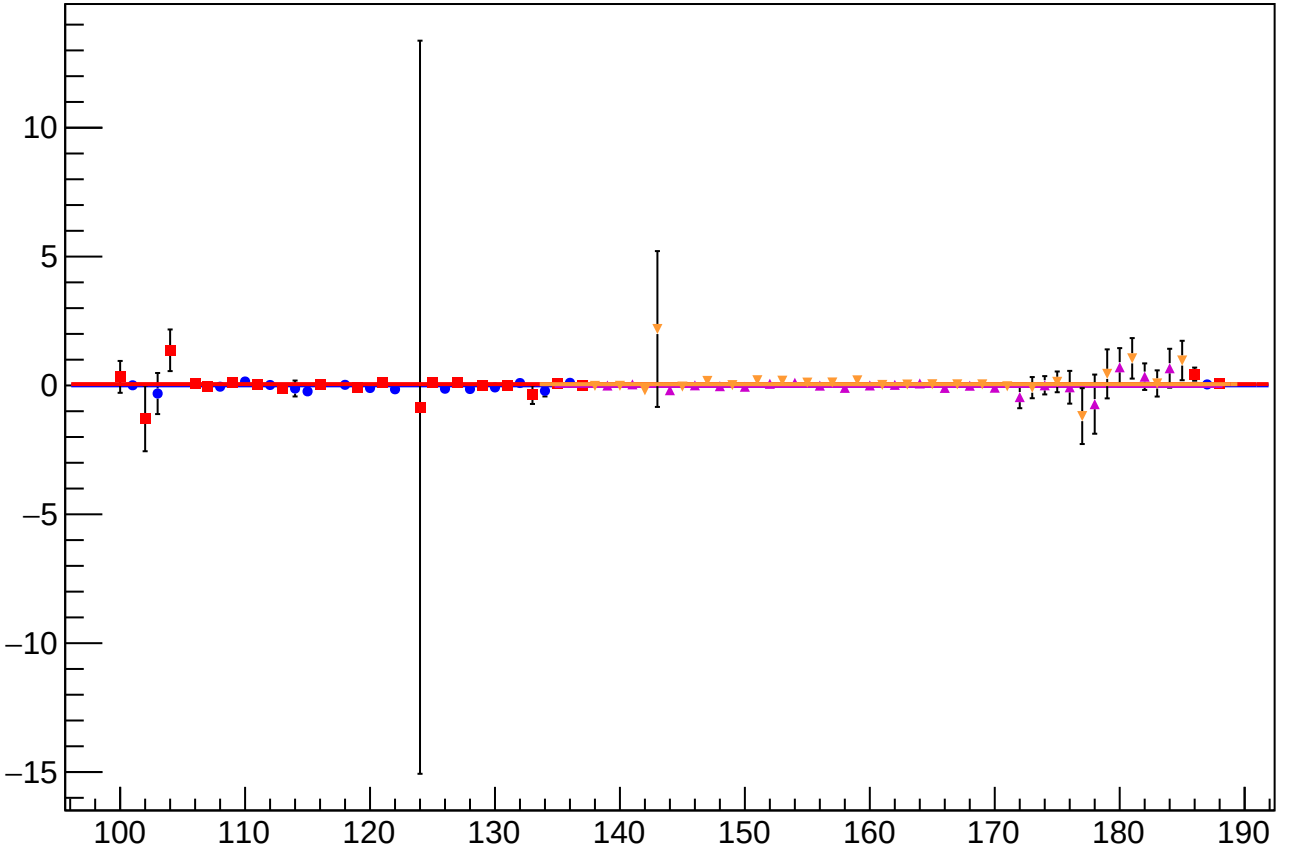
Right: 57.687+/-0.012 χ^2/NDF: 6902580.2/37

In: 59.978+/-0.010 χ^2/NDF:12737701.6/39

Out: 55.939+/-0.010 χ^2/NDF:16657108.3/45

All: 57.841+/-0.007 χ^2/NDF: 29477744.2/85

asym_at2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.004+/-0.027 χ^2/NDF: 13.3/16

Left Out: 0.050+/-0.017 χ^2/NDF:24.5/24

Right Out: 0.053+/-0.023 χ^2/NDF: 15.4/20

Left In: -0.019+/-0.017 χ^2/NDF:15.4/22

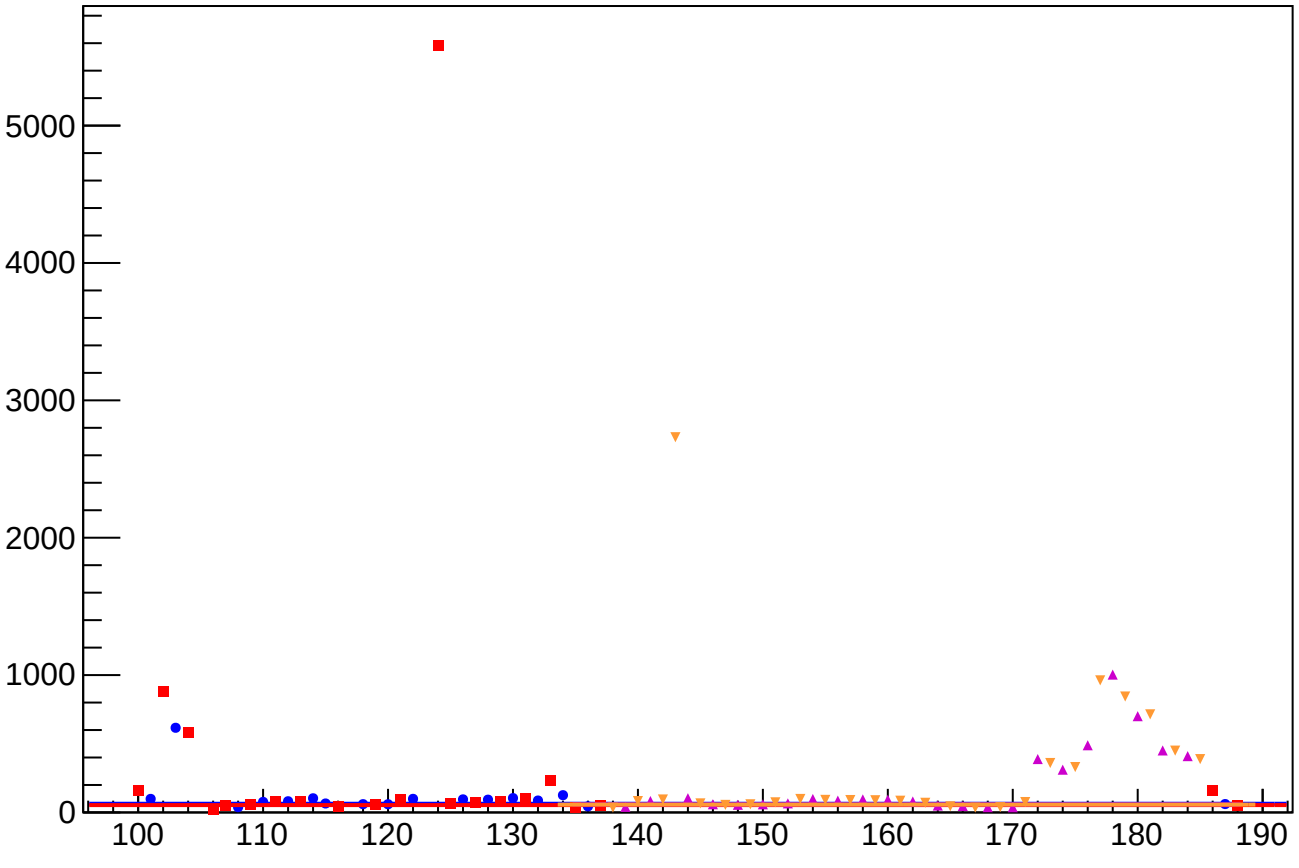
Left: 0.016+/-0.012 χ^2/NDF: 48.0/47

Right: 0.032+/-0.017 χ^2/NDF: 30.6/37

In: -0.012+/-0.014 χ^2/NDF:29.3/39

Out: 0.051+/-0.014 χ^2/NDF:39.9/45

All: 0.021+/-0.010 χ^2/NDF: 79.3/85



Right In: 63.386+/-0.019 χ^2/NDF: 2444843.3/16

Left Out: 57.258+/-0.012 χ^2/NDF:12321763.3/24

Right Out: 53.602+/-0.016 χ^2/NDF: 4302063.6/20

Left In: 58.582+/-0.012 χ^2/NDF:10247153.8/22

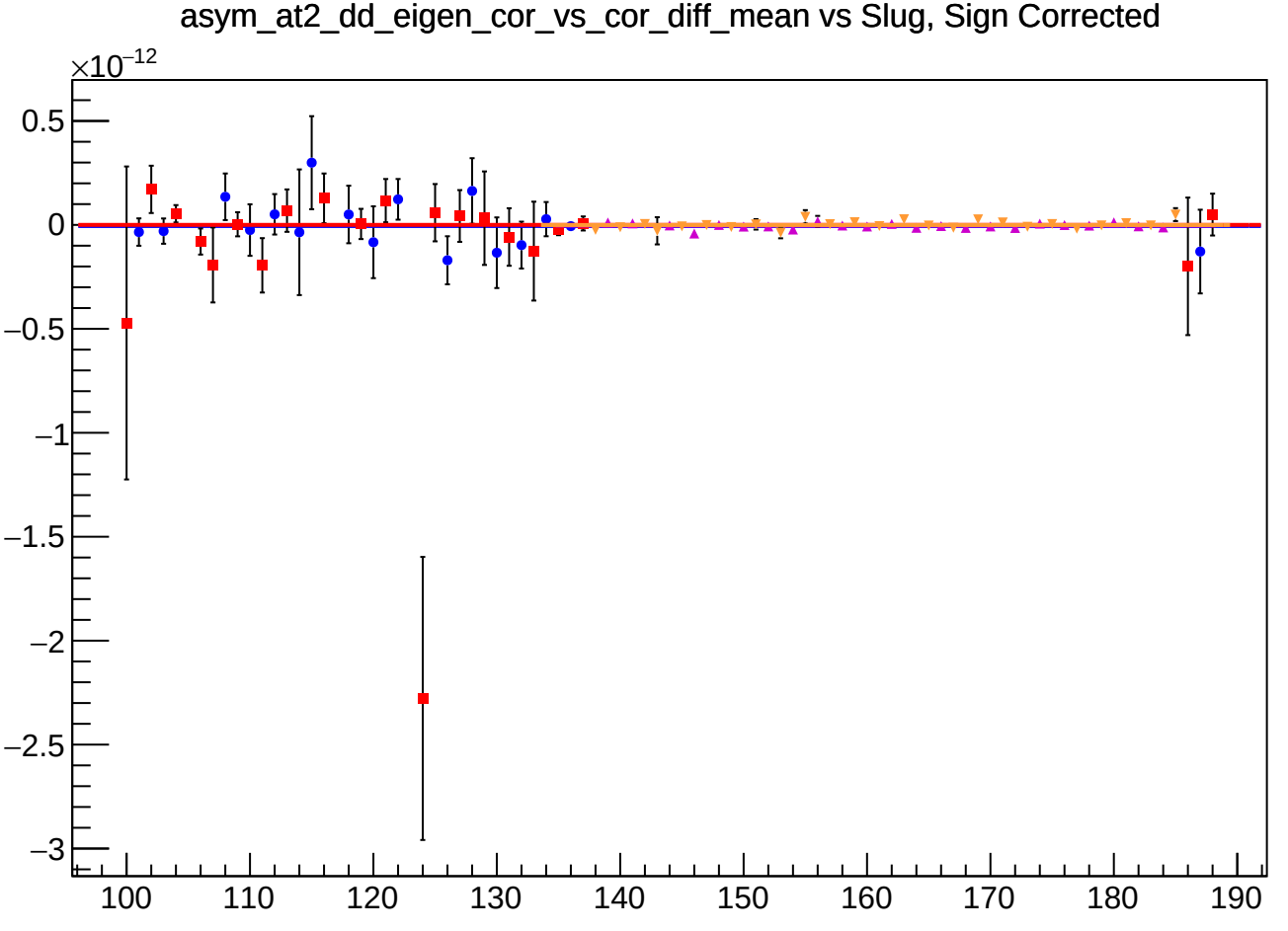
Left: 57.916+/-0.009 χ^2/NDF: 22574928.3/47

Right: 57.687+/-0.012 χ^2/NDF: 6902580.2/37

In: 59.978+/-0.010 χ^2/NDF:12737701.6/39

Out: 55.939+/-0.010 χ^2/NDF:16657108.3/45

All: 57.841+/-0.007 χ^2/NDF: 29477744.2/85



Right In: -0.000+/-0.000 χ^2/NDF: 11.2/16

Left Out: -0.000+/-0.000 χ^2/NDF:18.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 25.7/20

Left In: -0.000+/-0.000 χ^2/NDF:15.4/22

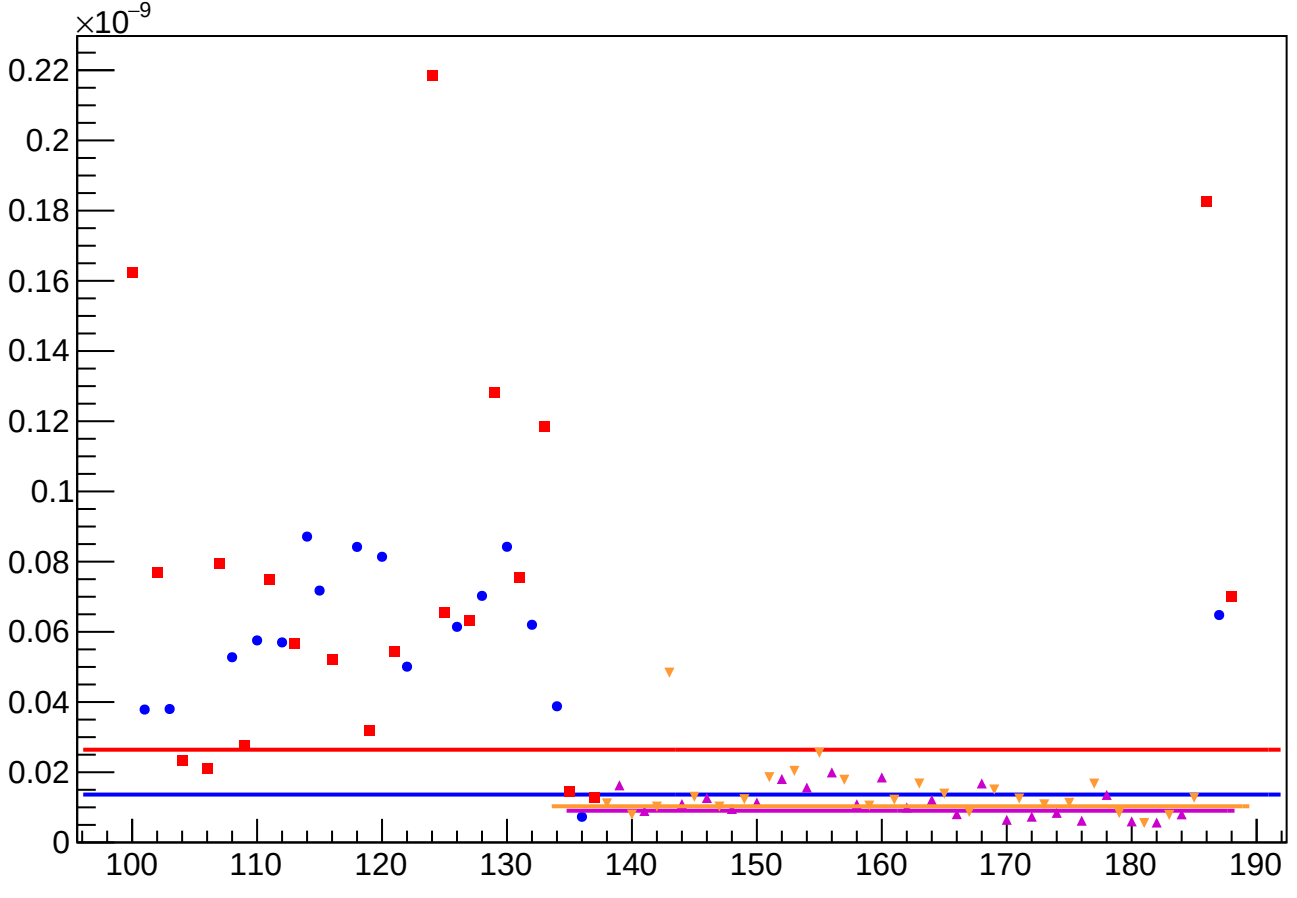
Left: -0.000+/-0.000 χ^2/NDF: 34.5/47

Right: -0.000+/-0.000 χ^2/NDF: 37.0/37

In: -0.000+/-0.000 χ^2/NDF:26.6/39

Out: -0.000+/-0.000 χ^2/NDF:44.5/45

All: -0.000+/-0.000 χ^2/NDF: 71.6/85



Right In: 0.000+/-0.000 χ^2/NDF: 5122802.5/16

Left Out: 0.000+/-0.000 χ^2/NDF:3643428.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4413658.3/20

Left In: 0.000+/-0.000 χ^2/NDF:3047861.1/22

Left: 0.000+/-0.000 χ^2/NDF: 6877548.0/47

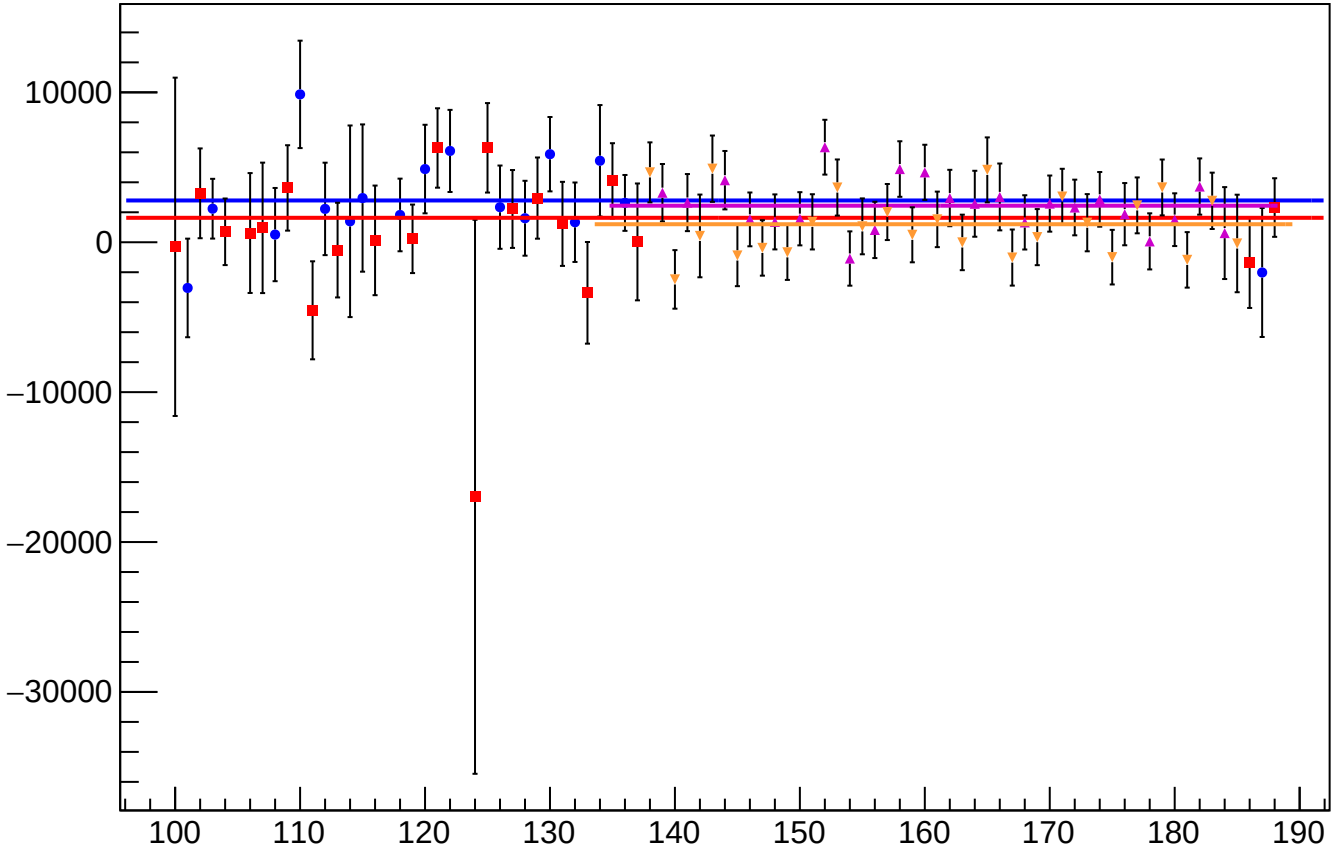
Right: 0.000+/-0.000 χ^2/NDF: 10537783.9/37

In: 0.000+/-0.000 χ^2/NDF:8544520.4/39

Out: 0.000+/-0.000 χ^2/NDF:10312241.3/45

All: 0.000+/-0.000 χ^2/NDF: 19166495.3/85

reg_asym_atl1r2_avg_mean vs Slug, Sign Corrected



Right In: 2787.542+/-686.163 χ^2/NDF: 13.7/16

Left Out: 1202.401+/-389.137 χ^2/NDF:26.3/24

Right Out: 1631.048+/-649.198 χ^2/NDF: 16.9/20

Left In: 2439.008+/-397.969 χ^2/NDF:17.5/22

Left: 1806.830+/-278.231 χ^2/NDF: 48.7/47

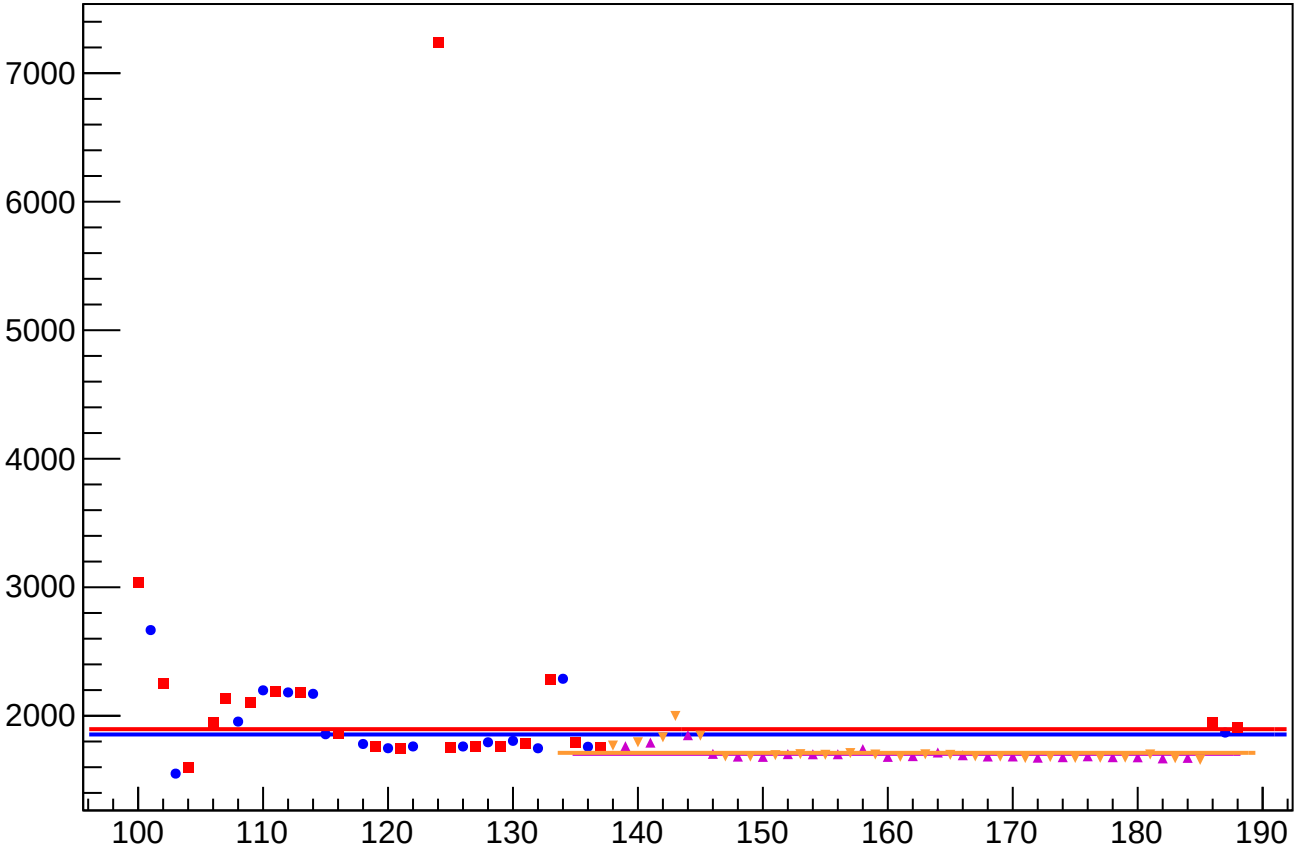
Right: 2177.306+/-471.579 χ^2/NDF: 32.2/37

In: 2526.739+/-344.257 χ^2/NDF:31.4/39

Out: 1315.703+/-333.769 χ^2/NDF:43.6/45

All: 1902.492+/-239.632 χ^2/NDF: 81.4/85

reg_asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 1854.699+/-0.485 χ^2/NDF: 263346.9/16

Left Out: 1711.777+/-0.275 χ^2/NDF:60068.7/24

Right Out: 1896.090+/-0.458 χ^2/NDF: 364780.9/20

Left In: 1703.969+/-0.281 χ^2/NDF:22568.8/22

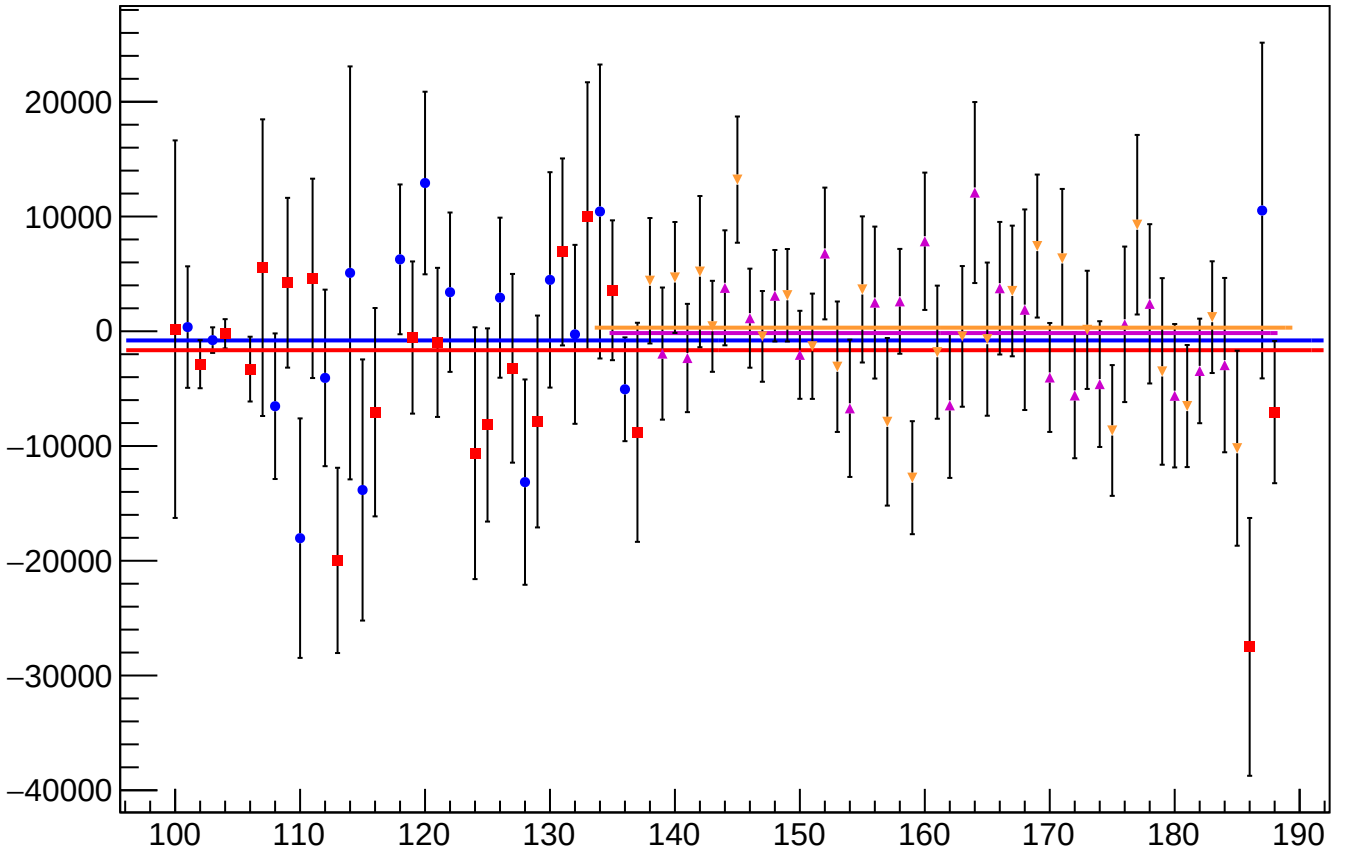
Left: 1707.960+/-0.197 χ^2/NDF: 83031.0/47

Right: 1876.580+/-0.333 χ^2/NDF: 631975.0/37

In: 1741.910+/-0.243 χ^2/NDF:358132.9/39

Out: 1760.636+/-0.236 χ^2/NDF:543789.5/45

All: 1751.567+/-0.169 χ^2/NDF: 904974.2/85



Right In: -798.922+/-960.840 χ^2/NDF: 14.5/16

Left Out: 314.051+/-1091.976 χ^2/NDF:27.0/24

Right Out: -1651.161+/-903.150 χ^2/NDF: 20.2/20

Left In: -157.968+/-1128.443 χ^2/NDF:14.7/22

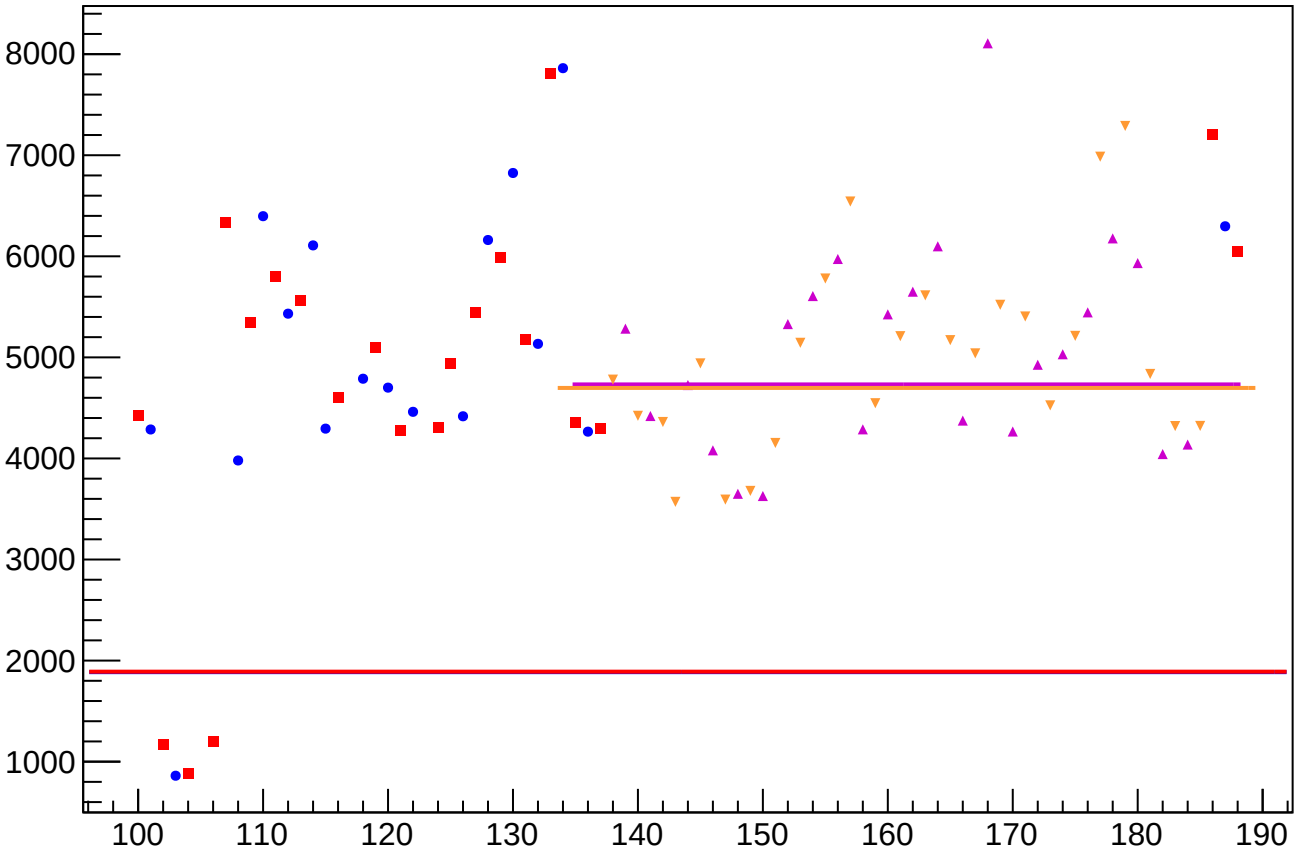
Left: 85.792+/-784.719 χ^2/NDF: 41.8/47

Right: -1251.393+/-658.074 χ^2/NDF: 35.1/37

In: -529.534+/-731.570 χ^2/NDF:29.4/39

Out: -852.899+/-695.955 χ^2/NDF:49.1/45

All: -699.279+/-504.235 χ^2/NDF: 78.6/85



Right In: 1885.521+/-0.679 χ^2/NDF: 7032329.3/16

Left Out: 4697.622+/-0.772 χ^2/NDF:1239373.0/24

Right Out: 1890.375+/-0.639 χ^2/NDF: 7819574.2/20

Left In: 4732.424+/-0.798 χ^2/NDF:1242793.9/22

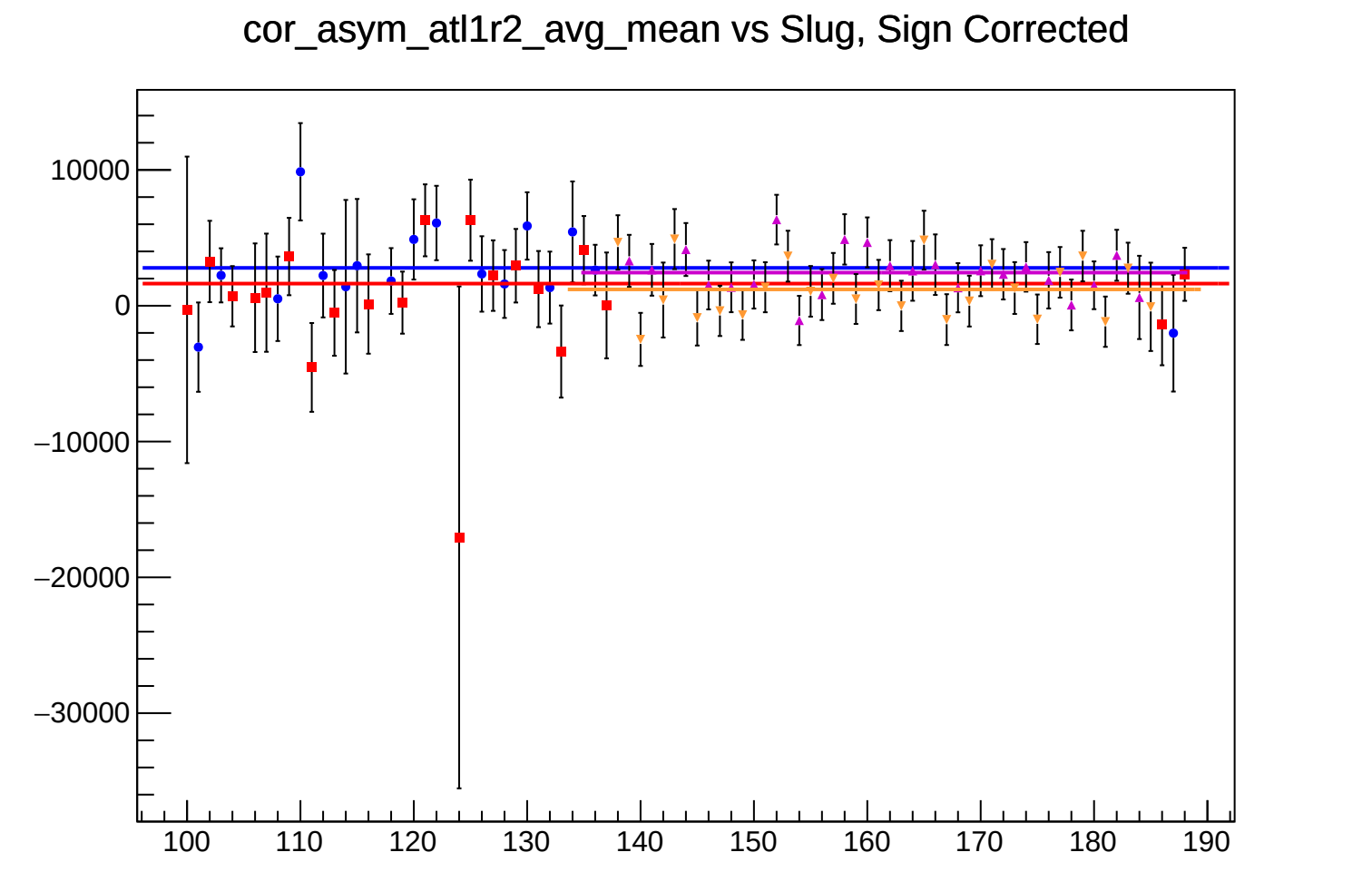
Left: 4714.452+/-0.555 χ^2/NDF: 2483149.3/47

Right: 1888.098+/-0.465 χ^2/NDF: 14851930.6/37

In: 3082.053+/-0.517 χ^2/NDF:15654585.4/39

Out: 3030.669+/-0.492 χ^2/NDF:16907830.8/45

All: 3055.080+/-0.357 χ^2/NDF: 32567595.7/8



Right In: 2787.650+/-686.163 χ^2/NDF: 13.7/16

Left Out: 1202.304+/-389.137 χ^2/NDF:26.3/24

Right Out: 1629.879+/-649.199 χ^2/NDF: 16.9/20

Left In: 2438.940+/-397.969 χ^2/NDF:17.5/22

Left: 1806.747+/-278.231 χ^2/NDF: 48.7/47

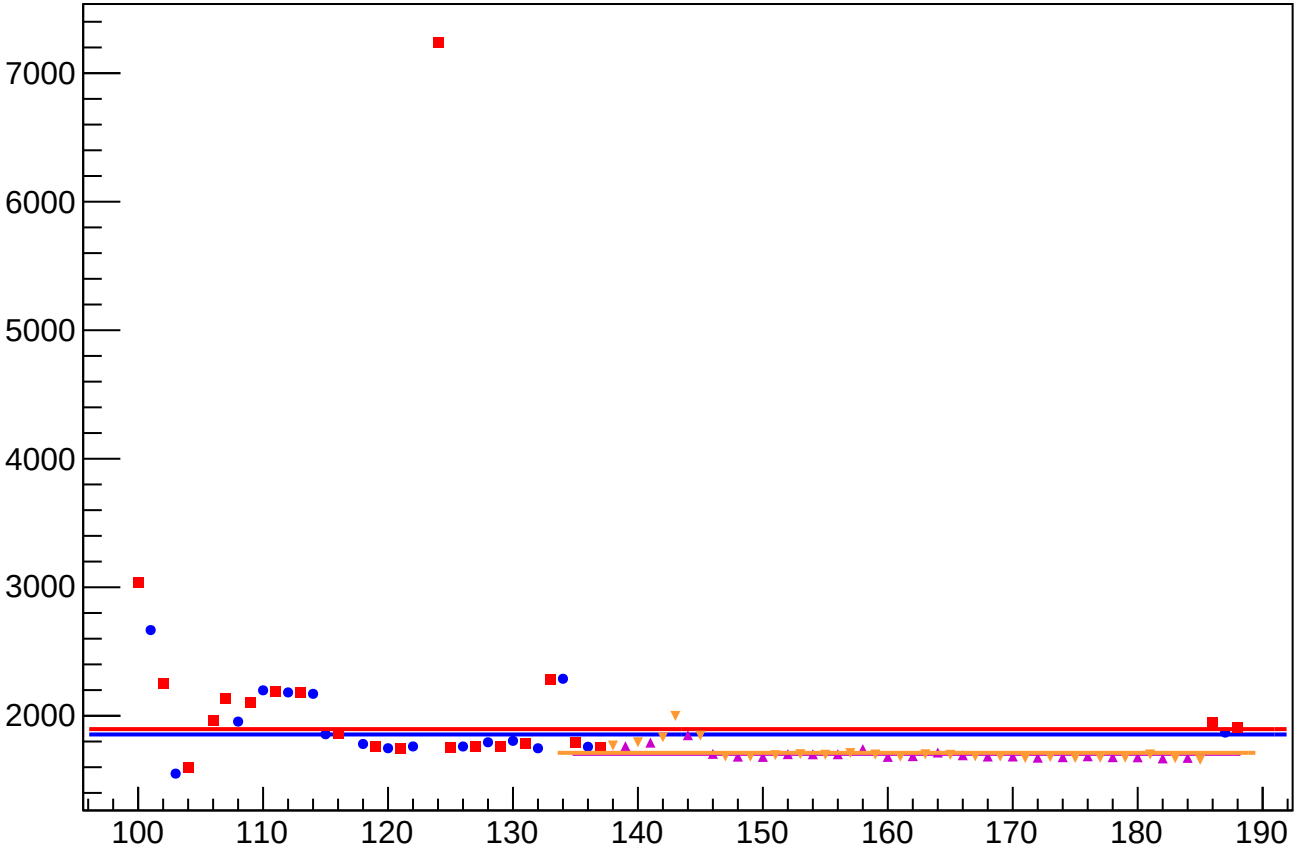
Right: 2176.741+/-471.579 χ^2/NDF: 32.2/37

In: 2526.715+/-344.257 χ^2/NDF:31.4/39

Out: 1315.322+/-333.769 χ^2/NDF:43.6/45

All: 1902.285+/-239.632 χ^2/NDF: 81.4/85

cor_asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 1854.699+/-0.485 χ^2/NDF: 263346.7/16

Left Out: 1711.777+/-0.275 χ^2/NDF:60068.7/24

Right Out: 1896.479+/-0.458 χ^2/NDF: 365005.6/20

Left In: 1703.969+/-0.281 χ^2/NDF:22568.8/22

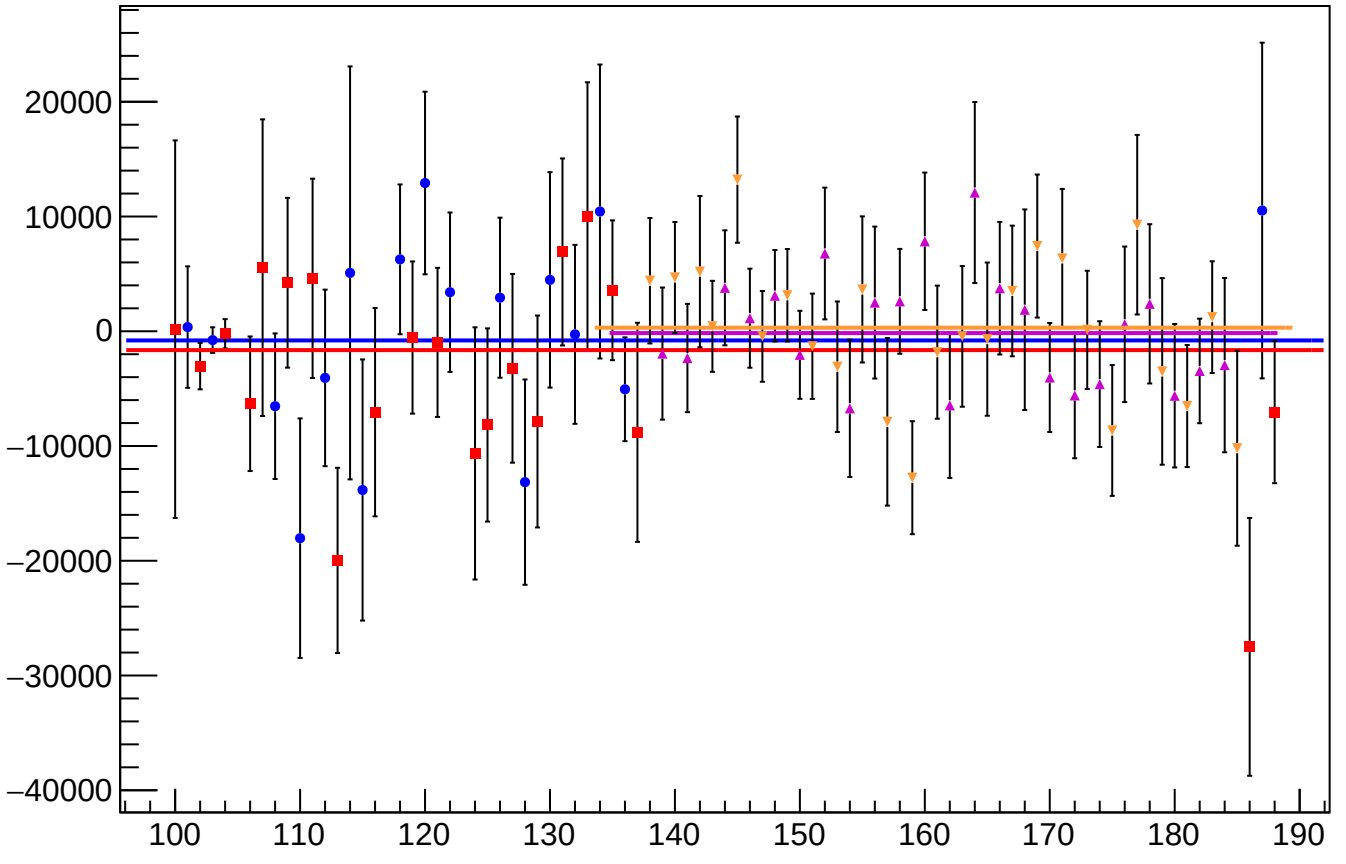
Left: 1707.960+/-0.197 χ^2/NDF: 83031.0/47

Right: 1876.781+/-0.333 χ^2/NDF: 632271.4/37

In: 1741.910+/-0.243 χ^2/NDF:358132.8/39

Out: 1760.725+/-0.236 χ^2/NDF:544482.7/45

All: 1751.613+/-0.169 χ^2/NDF: 905696.3/85



Right In: -798.455+/-960.787 χ^2/NDF: 14.5/16

Left Out: 314.084+/-1091.975 χ^2/NDF:27.0/24

Right Out: -1642.033+/-934.012 χ^2/NDF: 20.6/20

Left In: -157.977+/-1128.443 χ^2/NDF:14.7/22

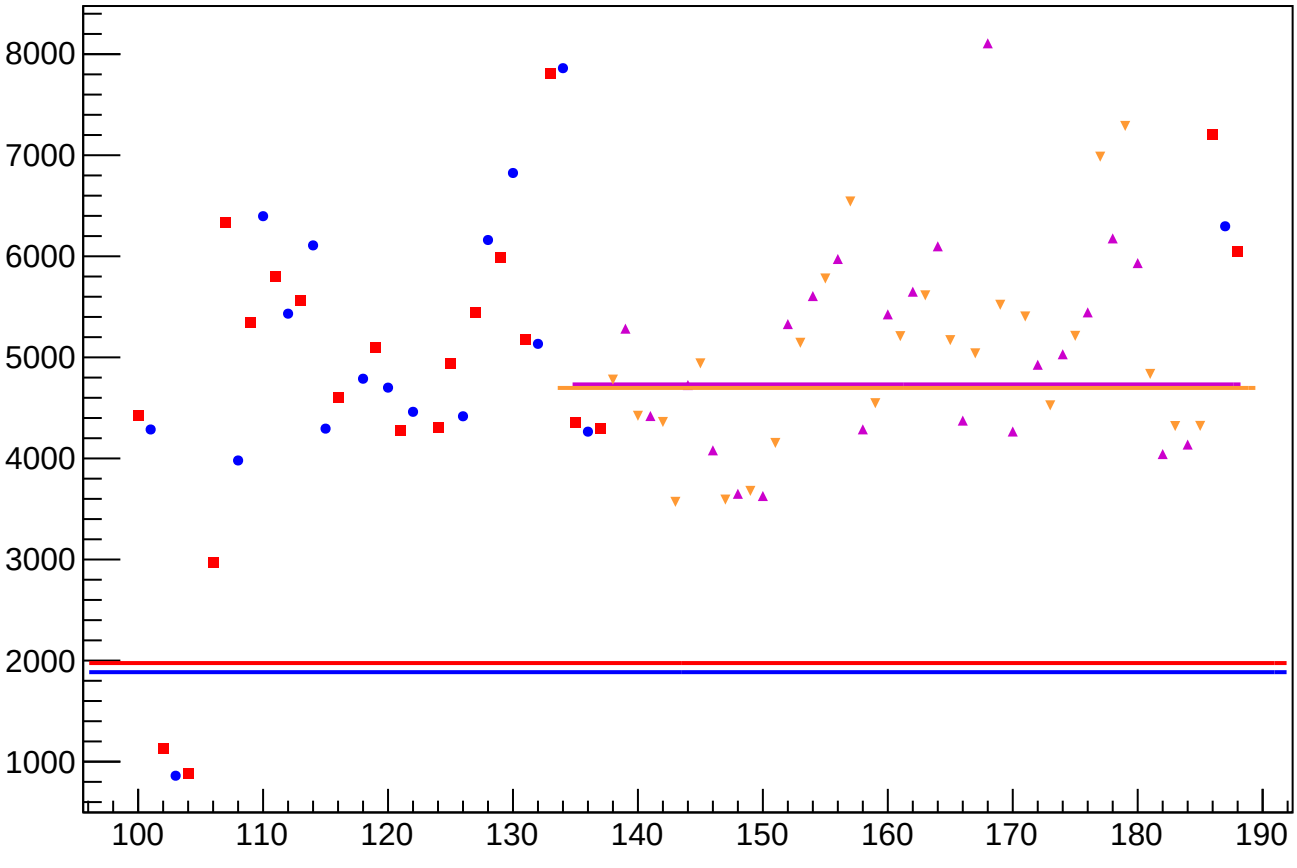
Left: 85.804+/-784.719 χ^2/NDF: 41.8/47

Right: -1232.162+/-669.712 χ^2/NDF: 35.5/37

In: -529.284+/-731.546 χ^2/NDF:29.4/39

Out: -815.569+/-709.786 χ^2/NDF:49.5/45

All: -676.748+/-509.414 χ^2/NDF: 78.9/85



Right In: 1885.366+/-0.679 χ^2/NDF: 7032766.0/16

Left Out: 4697.618+/-0.772 χ^2/NDF:1239387.1/24

Right Out: 1975.412+/-0.660 χ^2/NDF: 7793760.8/20

Left In: 4732.421+/-0.798 χ^2/NDF:1242809.3/22

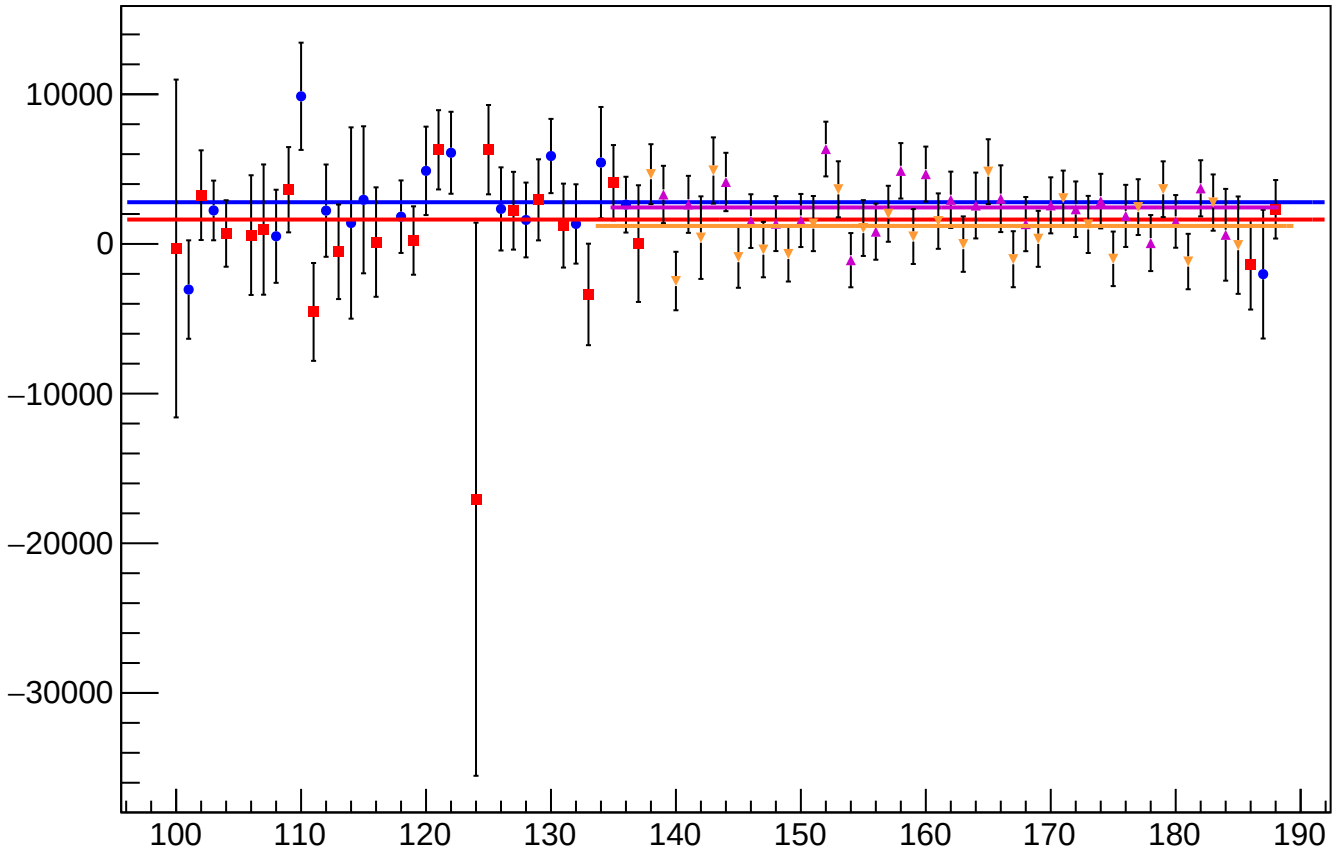
Left: 4714.448+/-0.555 χ^2/NDF: 2483178.9/47

Right: 1931.661+/-0.474 χ^2/NDF: 14835558.6/37

In: 3081.886+/-0.517 χ^2/NDF:15656170.0/39

Out: 3125.551+/-0.502 χ^2/NDF:16211032.8/45

All: 3104.378+/-0.360 χ^2/NDF: 31870873.2/8



Right In: 2787.650+/-686.163 χ^2/NDF: 13.7/16

Left Out: 1202.304+/-389.137 χ^2/NDF:26.3/24

Right Out: 1629.879+/-649.199 χ^2/NDF: 16.9/20

Left In: 2438.940+/-397.969 χ^2/NDF:17.5/22

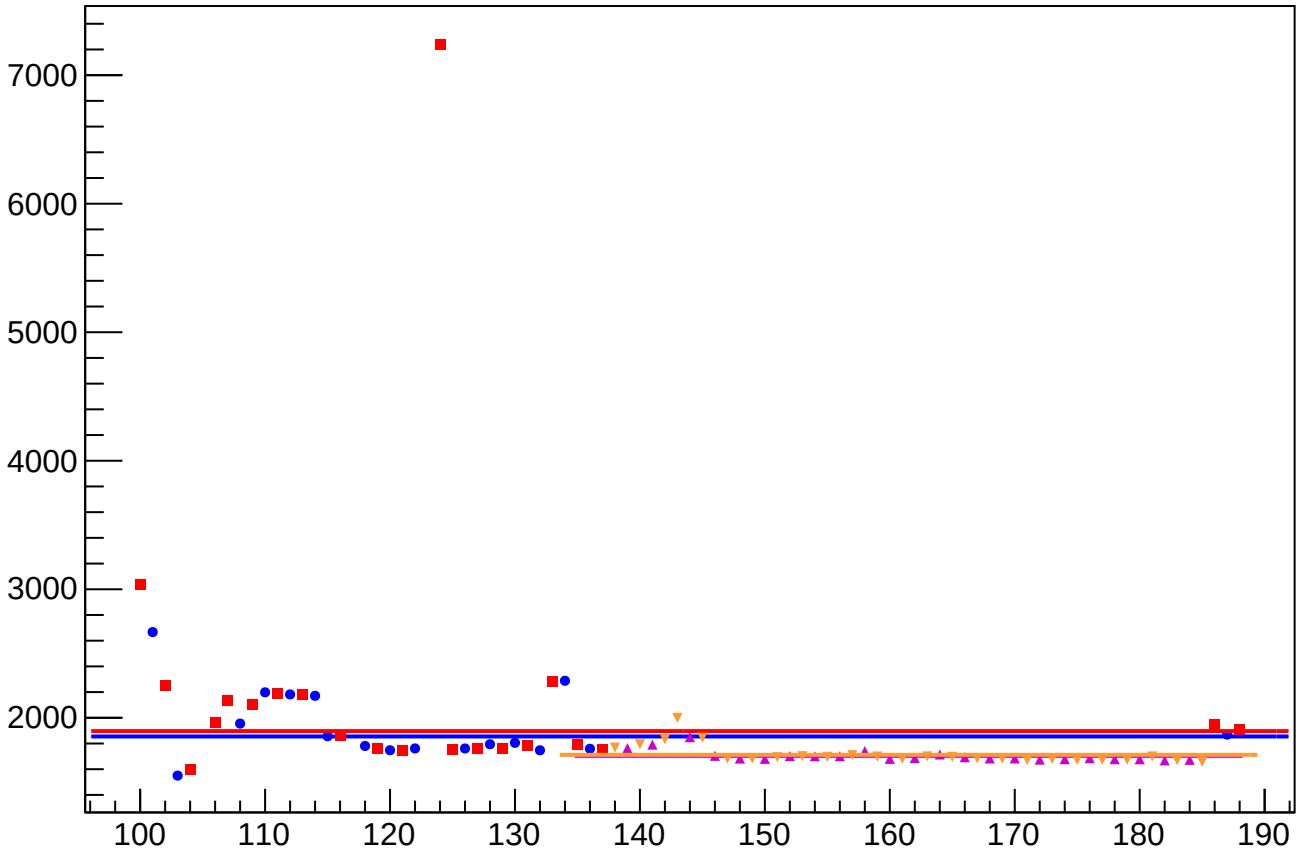
Left: 1806.747+/-278.231 χ^2/NDF: 48.7/47

Right: 2176.741+/-471.579 χ^2/NDF: 32.2/37

In: 2526.715+/-344.257 χ^2/NDF:31.4/39

Out: 1315.322+/-333.769 χ^2/NDF:43.6/45

All: 1902.285+/-239.632 χ^2/NDF: 81.4/85



Right In: 1854.699+/-0.485 χ^2/NDF: 263346.7/16

Left Out: 1711.777+/-0.275 χ^2/NDF:60068.7/24

Right Out: 1896.479+/-0.458 χ^2/NDF: 365005.6/20

Left In: 1703.969+/-0.281 χ^2/NDF:22568.8/22

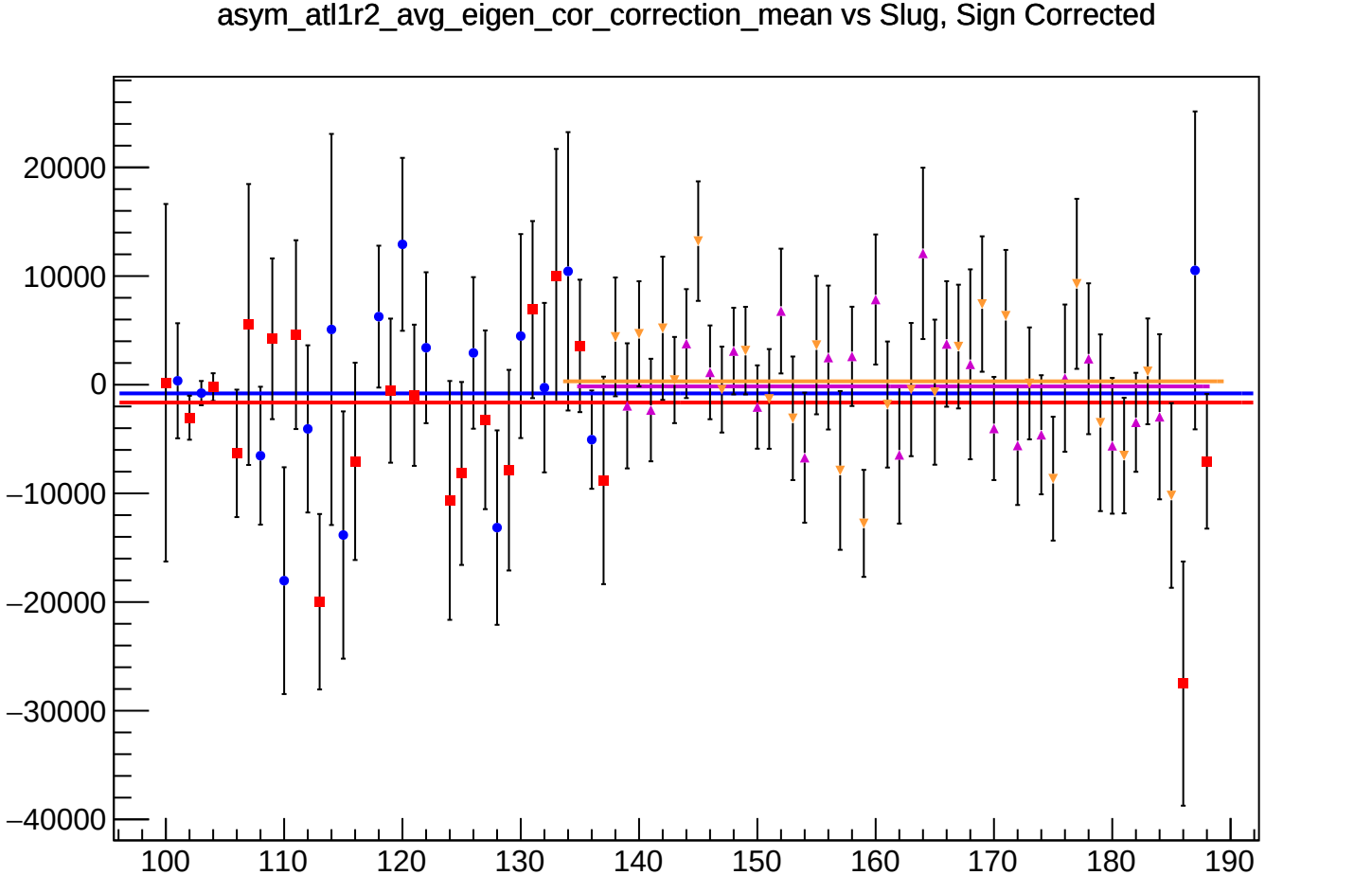
Left: 1707.960+/-0.197 χ^2/NDF: 83031.0/47

Right: 1876.781+/-0.333 χ^2/NDF: 632271.4/37

In: 1741.910+/-0.243 χ^2/NDF:358132.8/39

Out: 1760.725+/-0.236 χ^2/NDF:544482.7/45

All: 1751.613+/-0.169 χ^2/NDF: 905696.3/85



Right In: -798.455+/-960.787 χ^2/NDF: 14.5/16

Left Out: 314.084+/-1091.975 χ^2/NDF:27.0/24

Right Out: -1642.033+/-934.012 χ^2/NDF: 20.6/20

Left In: -157.977+/-1128.443 χ^2/NDF:14.7/22

Left: 85.804+/-784.719 χ^2/NDF: 41.8/47

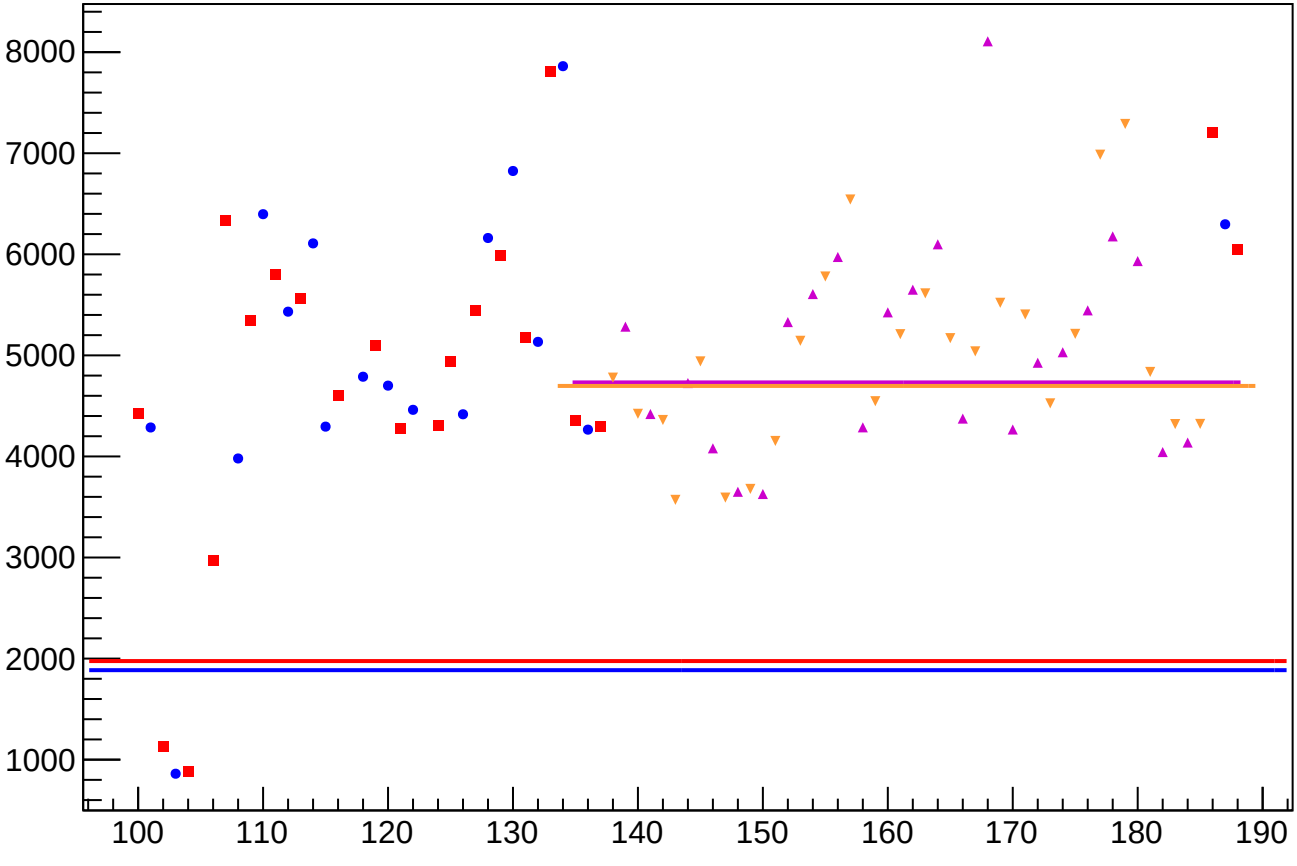
Right: -1232.162+/-669.712 χ^2/NDF: 35.5/37

In: -529.284+/-731.546 χ^2/NDF:29.4/39

Out: -815.569+/-709.786 χ^2/NDF:49.5/45

All: -676.748+/-509.414 χ^2/NDF: 78.9/85

asym_atl1r2_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1885.366+/-0.679 χ^2/NDF: 7032766.0/16

Left Out: 4697.618+/-0.772 χ^2/NDF:1239387.1/24

Right Out: 1975.412+/-0.660 χ^2/NDF: 7793760.8/20

Left In: 4732.421+/-0.798 χ^2/NDF:1242809.3/22

Left: 4714.448+/-0.555 χ^2/NDF: 2483178.9/47

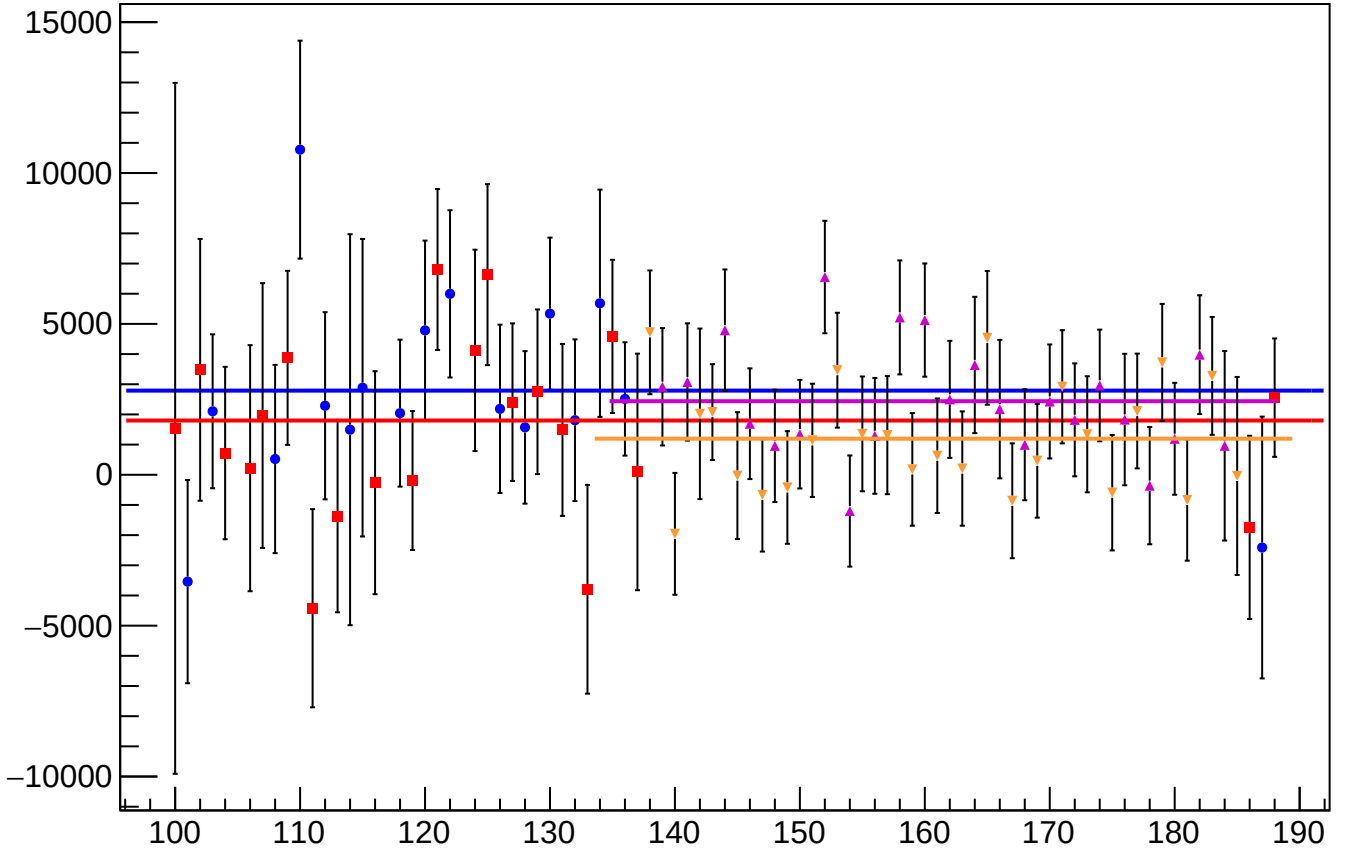
Right: 1931.661+/-0.474 χ^2/NDF: 14835558.6/37

In: 3081.886+/-0.517 χ^2/NDF:15656170.0/39

Out: 3125.551+/-0.502 χ^2/NDF:16211032.8/45

All: 3104.378+/-0.360 χ^2/NDF: 31870873.2/8

dit_asym_atl1r2_avg_mean vs Slug, Sign Corrected



Right In: 2789.080+/-708.654 χ^2/NDF: 14.5/16

Left Out: 1197.362+/-392.981 χ^2/NDF:19.5/24

Right Out: 1797.942+/-661.248 χ^2/NDF: 18.9/20

Left In: 2438.062+/-407.551 χ^2/NDF:20.6/22

Left: 1795.138+/-282.890 χ^2/NDF: 44.9/47

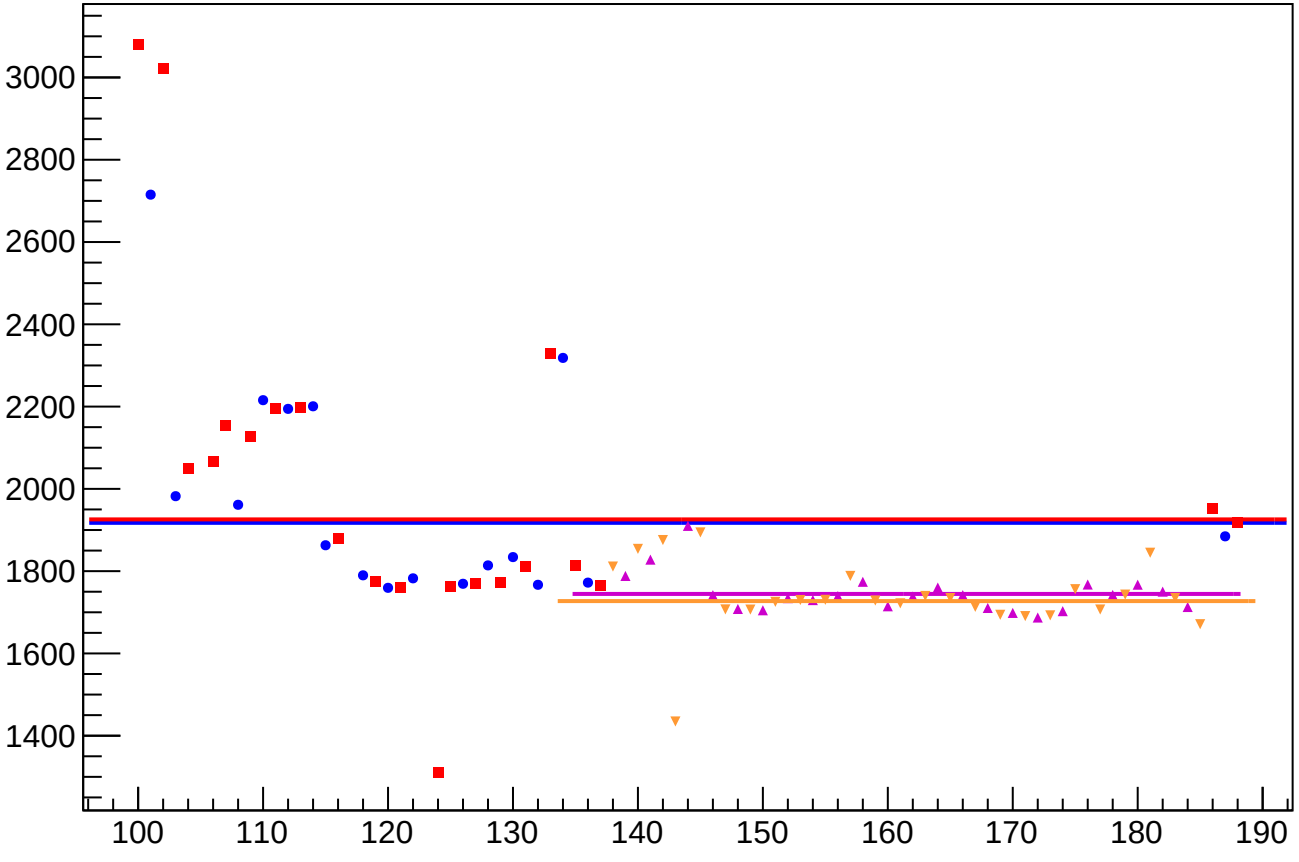
Right: 2259.254+/-483.464 χ^2/NDF: 34.4/37

In: 2525.305+/-353.293 χ^2/NDF:35.2/39

Out: 1354.118+/-337.825 χ^2/NDF:39.0/45

All: 1913.513+/-244.163 χ^2/NDF: 80.0/85

dit_asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 1917.467+/-0.501 χ^2/NDF: 215710.4/16

Left Out: 1727.235+/-0.278 χ^2/NDF:110270.9/24

Right Out: 1925.800+/-0.467 χ^2/NDF: 339280.2/20

Left In: 1744.633+/-0.288 χ^2/NDF:26798.0/22

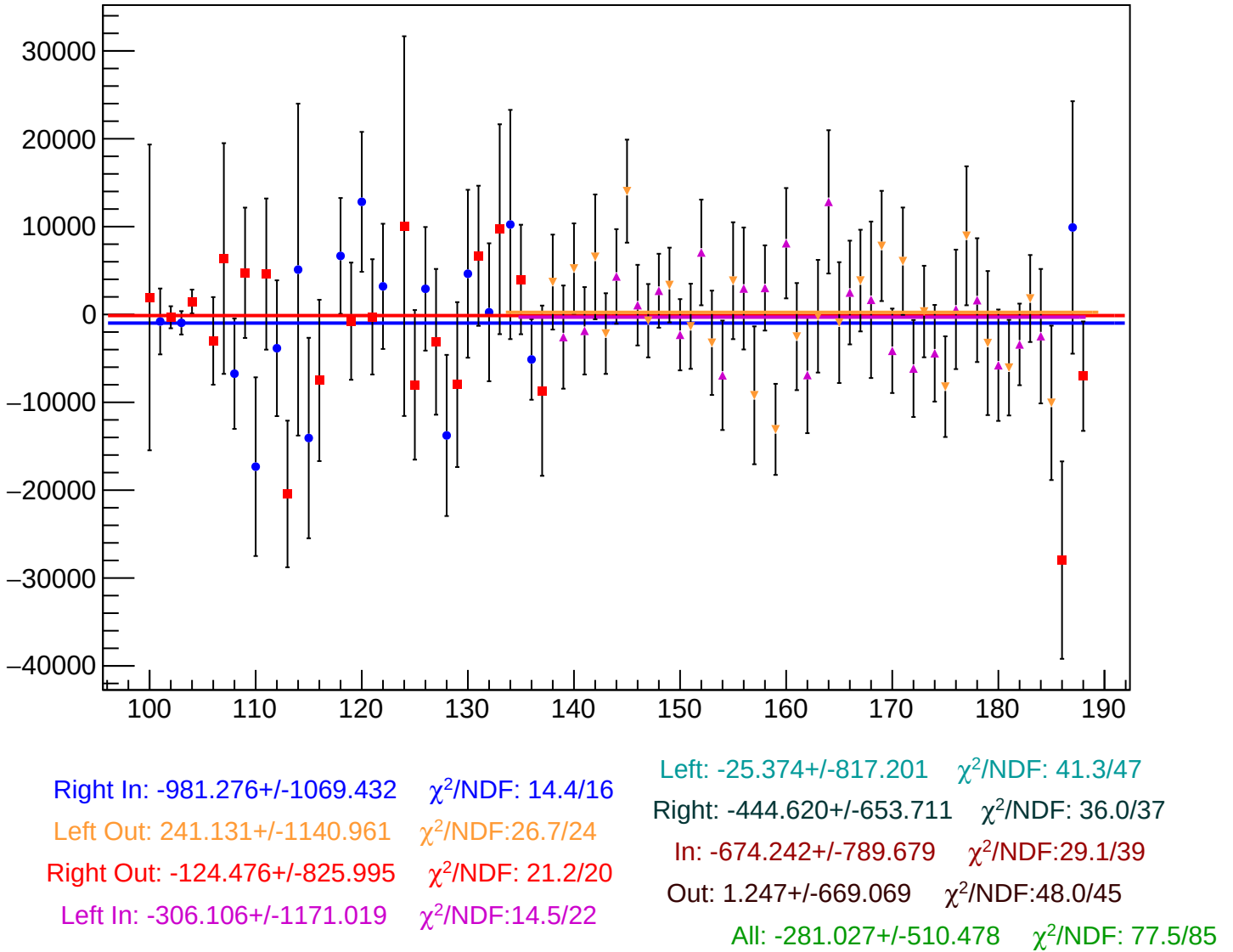
Left: 1735.617+/-0.200 χ^2/NDF: 138957.4/47

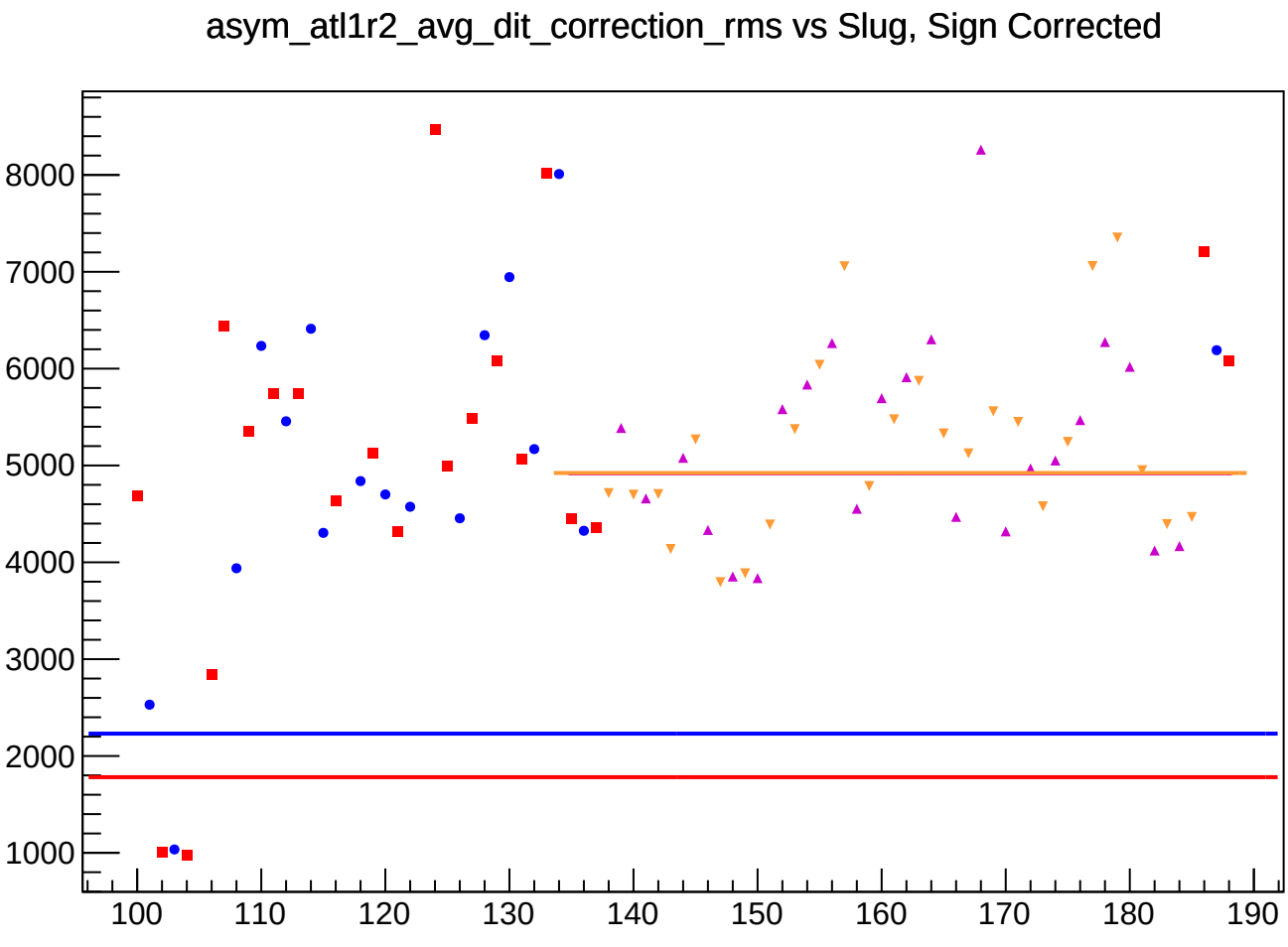
Right: 1921.924+/-0.342 χ^2/NDF: 555138.4/37

In: 1787.589+/-0.250 χ^2/NDF:331906.1/39

Out: 1779.115+/-0.239 χ^2/NDF:582960.7/45

All: 1783.162+/-0.173 χ^2/NDF: 915468.0/85


asym_atl1r2_avg_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
160
170
180
190
Right In: -981.276+/-1069.432 χ²/NDF: 14.4/16
Left Out: 241.131+/-1140.961 χ²/NDF:26.7/24
Right Out: -124.476+/-825.995 χ²/NDF: 21.2/20
Left In: -306.106+/-1171.019 χ²/NDF:14.5/22
Left: -25.374+/-817.201 χ²/NDF: 41.3/47
Right: -444.620+/-653.711 χ²/NDF: 36.0/37
In: -674.242+/-789.679 χ²/NDF:29.1/39
Out: 1.247+/-669.069 χ²/NDF:48.0/45
All: -281.027+/-510.478 χ²/NDF: 77.5/85



Right In: 2230.966+/-0.756 χ^2/NDF: 5651711.2/16

Left Out: 4922.380+/-0.807 χ^2/NDF:1050408.0/24

Right Out: 1781.590+/-0.584 χ^2/NDF: 8306297.7/20

Left In: 4916.964+/-0.828 χ^2/NDF:1161642.5/22

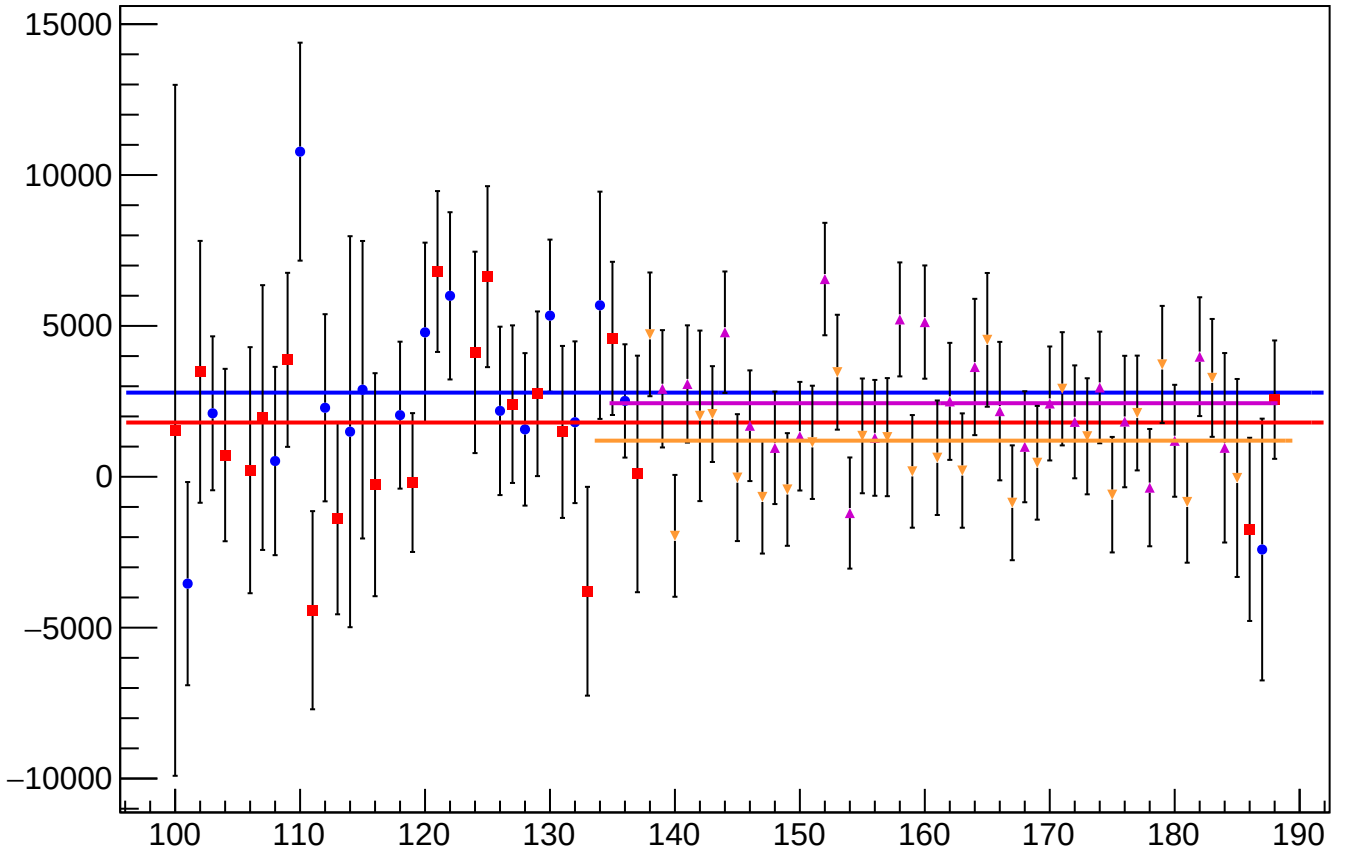
Left: 4919.742+/-0.578 χ^2/NDF: 2212072.5/47

Right: 1949.499+/-0.462 χ^2/NDF: 14179195.8/37

In: 3452.426+/-0.558 χ^2/NDF:12550669.7/39

Out: 2861.628+/-0.473 χ^2/NDF:19300527.5/45

All: 3108.511+/-0.361 χ^2/NDF: 32502853.7/8



Right In: 2789.083+/-708.653 χ^2/NDF: 14.5/16

Left Out: 1197.356+/-392.981 χ^2/NDF:19.5/24

Right Out: 1797.947+/-661.248 χ^2/NDF: 18.9/20

Left In: 2438.062+/-407.552 χ^2/NDF:20.6/22

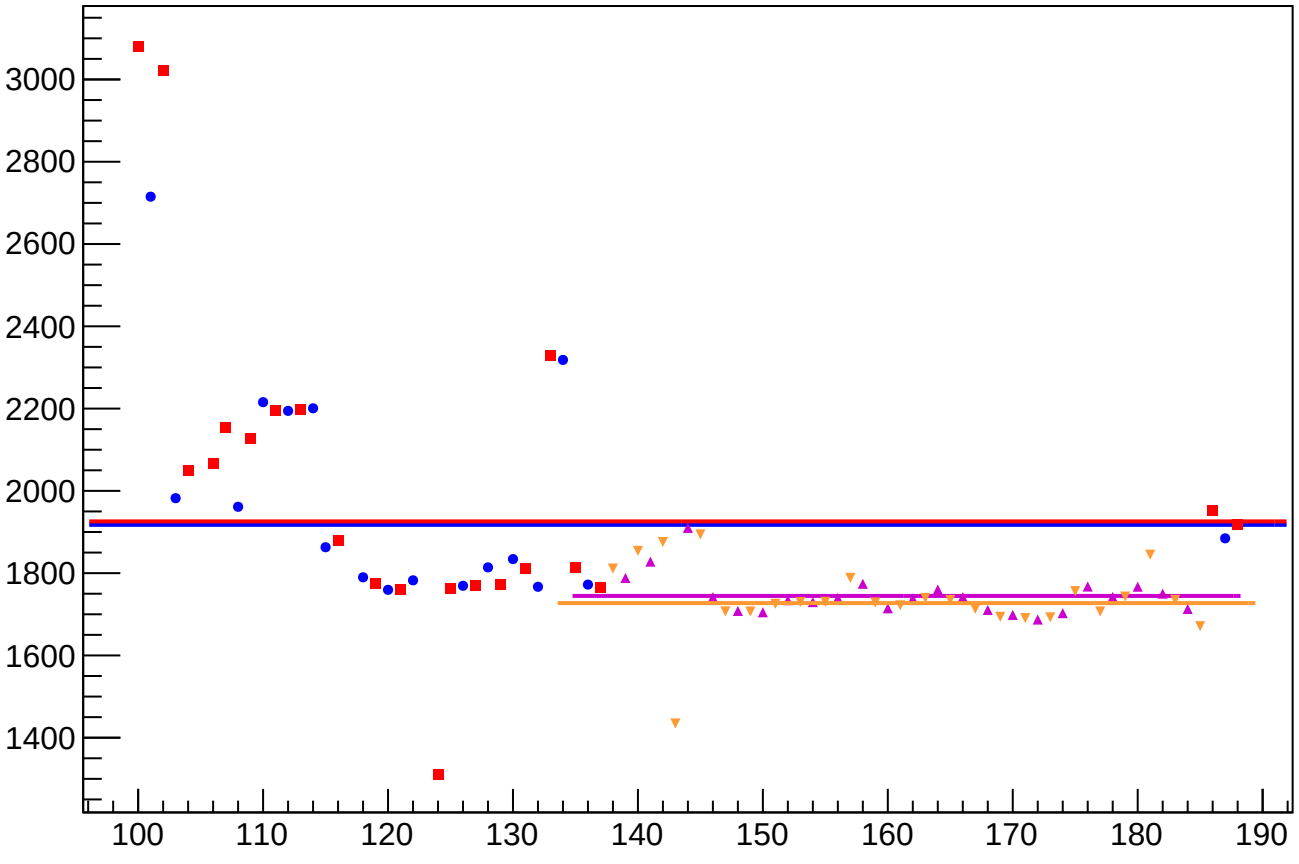
Left: 1795.135+/-282.891 χ^2/NDF: 44.9/47

Right: 2259.258+/-483.464 χ^2/NDF: 34.4/37

In: 2525.306+/-353.293 χ^2/NDF:35.2/39

Out: 1354.115+/-337.825 χ^2/NDF:39.0/45

All: 1913.512+/-244.163 χ^2/NDF: 80.0/85



Right In: 1917.466+/-0.501 χ^2/NDF: 215710.4/16

Left Out: 1727.236+/-0.278 χ^2/NDF:110269.9/24

Right Out: 1925.799+/-0.467 χ^2/NDF: 339279.2/20

Left In: 1744.633+/-0.288 χ^2/NDF:26798.0/22

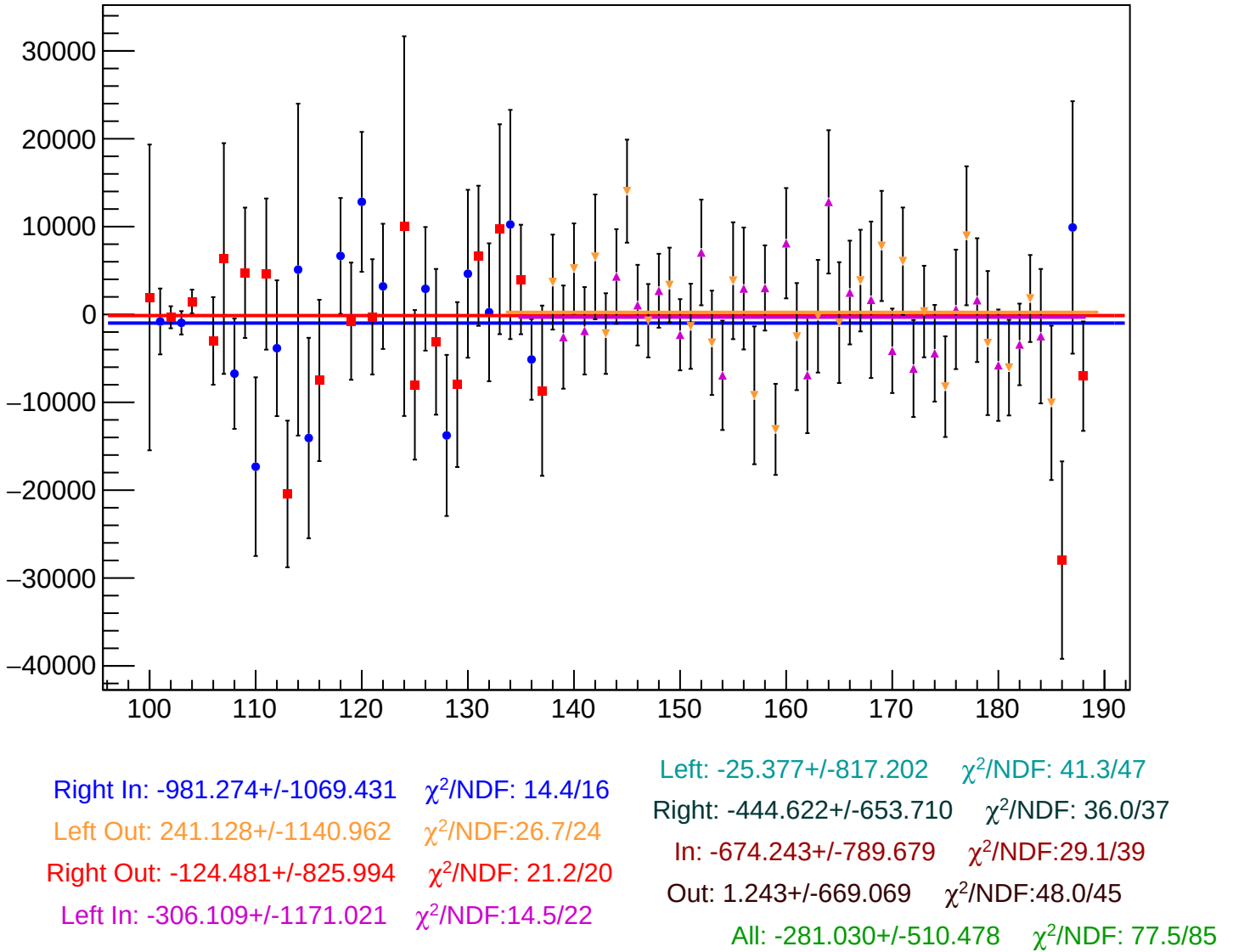
Left: 1735.618+/-0.200 χ^2/NDF: 138956.4/47

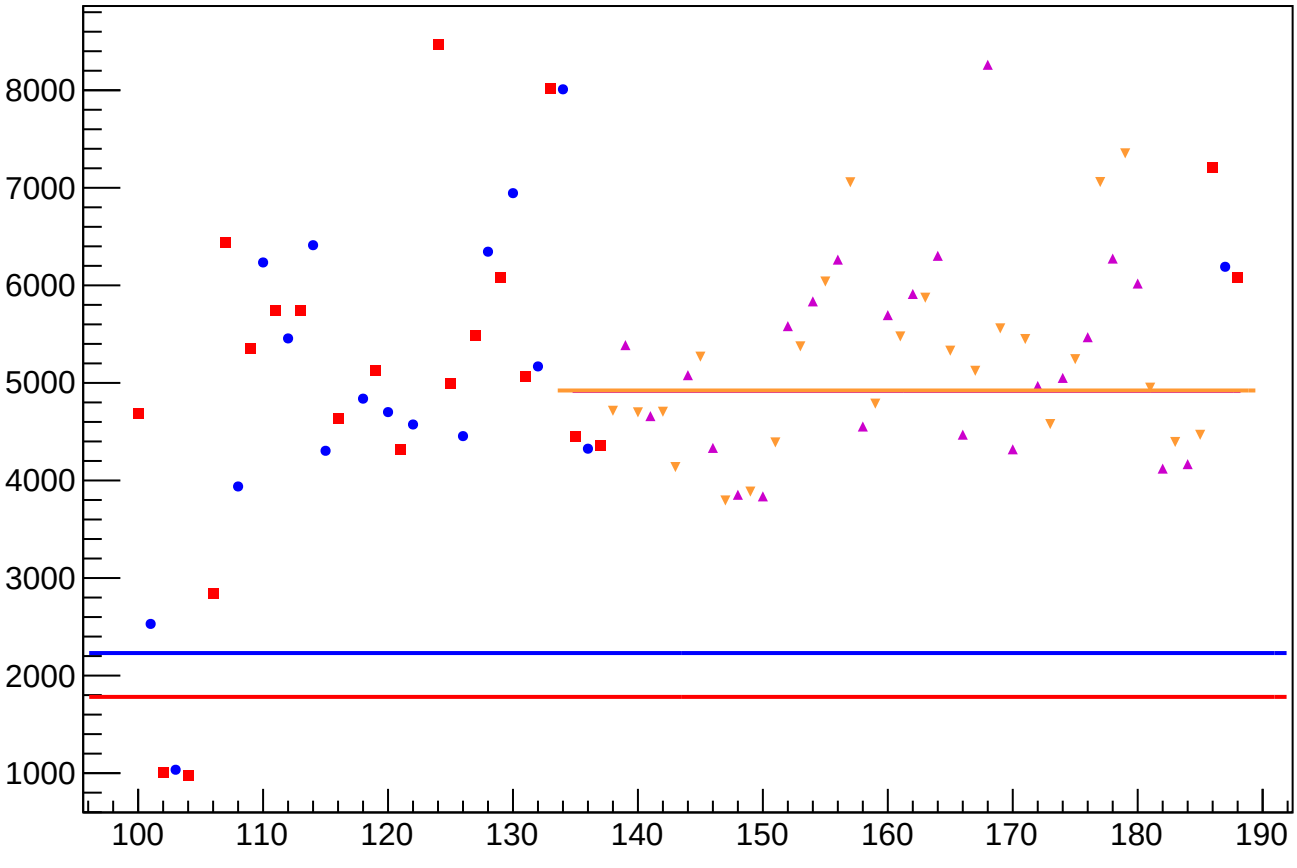
Right: 1921.924+/-0.342 χ^2/NDF: 555137.5/37

In: 1787.590+/-0.250 χ^2/NDF:331904.8/39

Out: 1779.115+/-0.239 χ^2/NDF:582957.0/45

All: 1783.162+/-0.173 χ^2/NDF: 915463.0/85


asym_atl1r2_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
160
170
180
190
Right In: -981.274+/-1069.431 χ²/NDF: 14.4/16
Left Out: 241.128+/-1140.962 χ²/NDF:26.7/24
Right Out: -124.481+/-825.994 χ²/NDF: 21.2/20
Left In: -306.109+/-1171.021 χ²/NDF:14.5/22
Left: -25.377+/-817.202 χ²/NDF: 41.3/47
Right: -444.622+/-653.710 χ²/NDF: 36.0/37
In: -674.243+/-789.679 χ²/NDF:29.1/39
Out: 1.243+/-669.069 χ²/NDF:48.0/45
All: -281.030+/-510.478 χ²/NDF: 77.5/85



Right In: 2230.965+/-0.756 χ^2/NDF: 5651704.4/16

Left Out: 4922.388+/-0.807 χ^2/NDF:1050409.4/24

Right Out: 1781.590+/-0.584 χ^2/NDF: 8306290.7/20

Left In: 4916.972+/-0.828 χ^2/NDF:1161645.9/22

Left: 4919.750+/-0.578 χ^2/NDF: 2212077.2/47

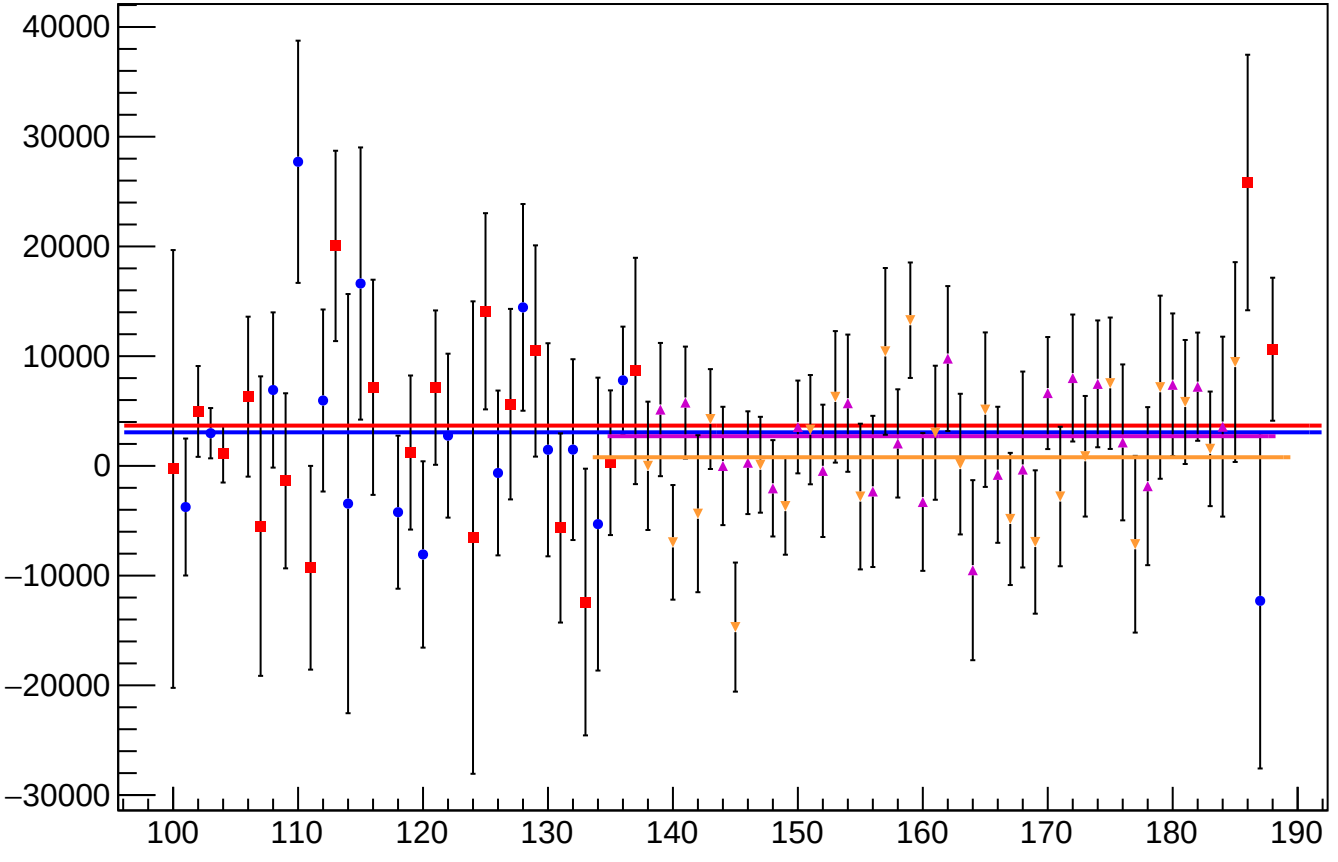
Right: 1949.499+/-0.462 χ^2/NDF: 14179182.1/37

In: 3452.426+/-0.558 χ^2/NDF:12550696.4/39

Out: 2861.627+/-0.473 χ^2/NDF:19300558.1/45

All: 3108.510+/-0.361 χ^2/NDF: 32502912.0/8

asym_atl1r2_avg_mean vs Slug, Sign Corrected



Right In: 3059.717+/-1531.506 χ^2/NDF: 14.8/16

Left Out: 787.965+/-1171.964 χ^2/NDF:27.6/24

Right Out: 3671.991+/-1497.344 χ^2/NDF: 18.4/20

Left In: 2705.532+/-1206.281 χ^2/NDF:11.9/22

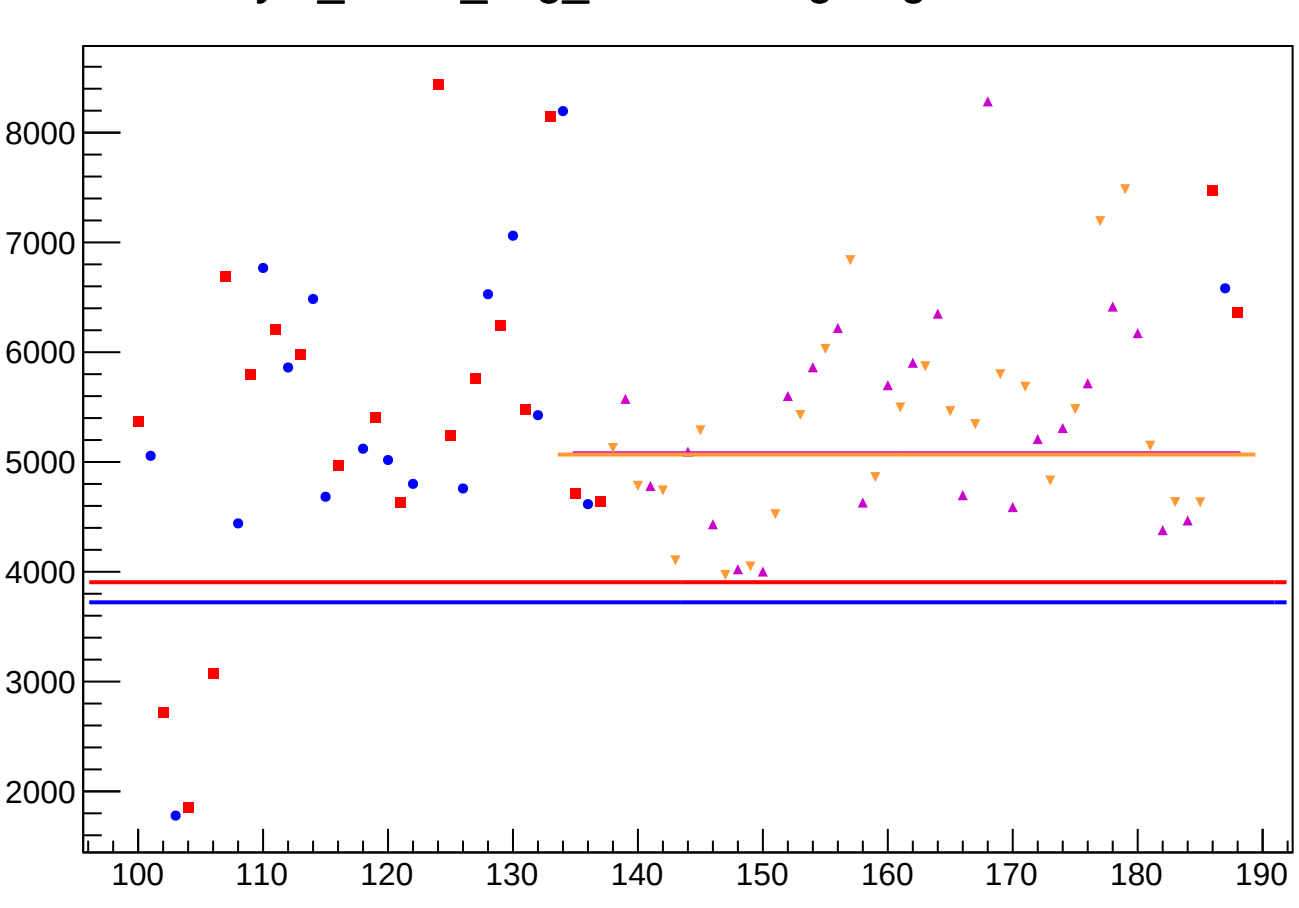
Left: 1719.085+/-840.574 χ^2/NDF: 40.8/47

Right: 3372.759+/-1070.656 χ^2/NDF: 33.3/37

In: 2841.136+/-947.632 χ^2/NDF:26.8/39

Out: 1883.572+/-922.889 χ^2/NDF:48.3/45

All: 2349.689+/-661.155 χ^2/NDF: 75.6/85



Right In: 3721.856+/-1.083 χ^2/NDF: 2956484.6/16

Left Out: 5067.898+/-0.829 χ^2/NDF:954253.8/24

Right Out: 3904.903+/-1.049 χ^2/NDF: 3190372.6/20

Left In: 5079.715+/-0.853 χ^2/NDF:1001241.5/22

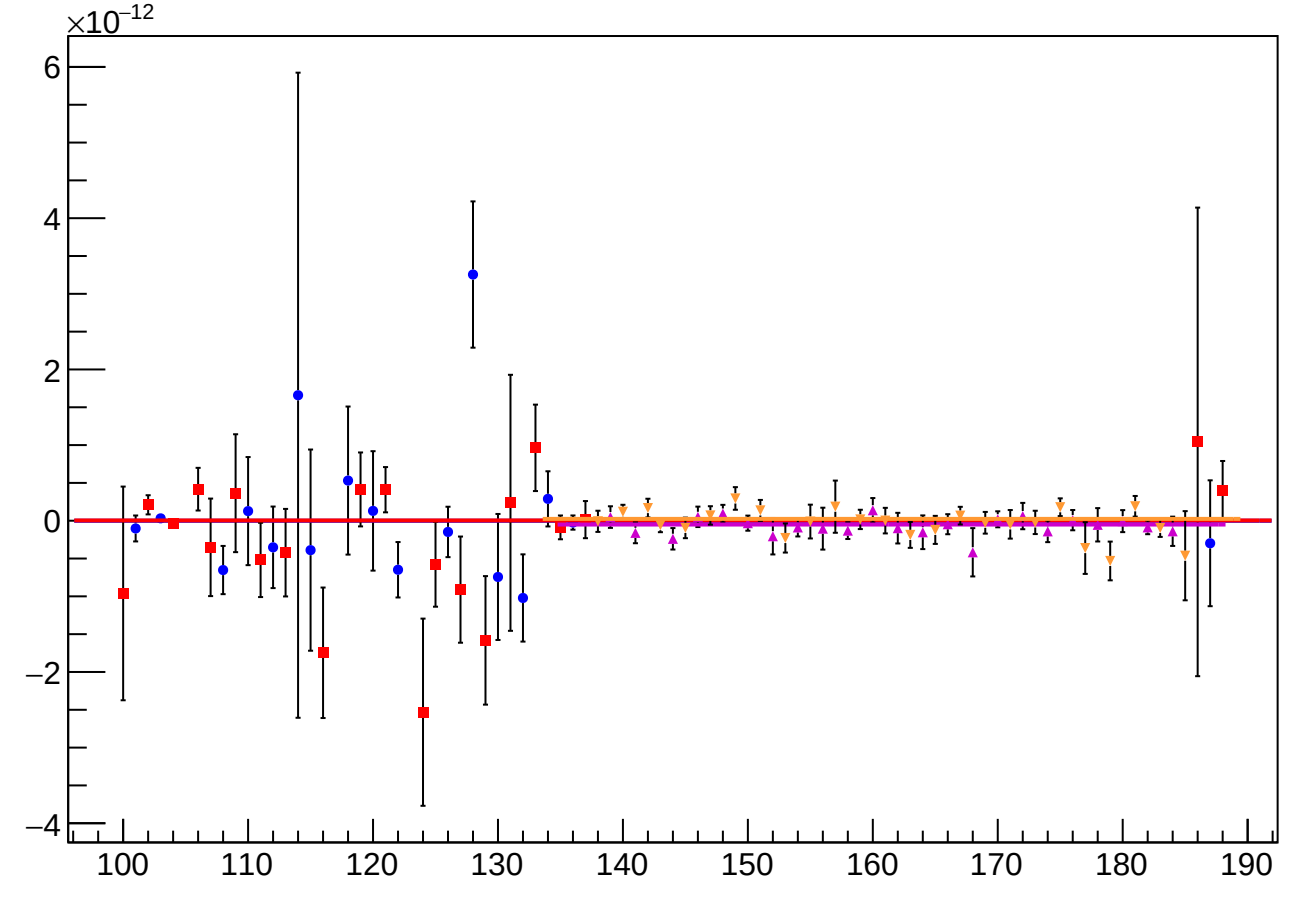
Left: 5073.636+/-0.594 χ^2/NDF: 1955594.0/47

Right: 3816.298+/-0.753 χ^2/NDF: 6161598.0/37

In: 4559.843+/-0.670 χ^2/NDF:4927976.9/39

Out: 4620.959+/-0.650 χ^2/NDF:4901506.2/45

All: 4591.318+/-0.467 χ^2/NDF: 9833767.4/85



Right In: -0.000+/-0.000 χ^2/NDF: 25.5/16

Left Out: 0.000+/-0.000 χ^2/NDF:23.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 29.4/20

Left In: -0.000+/-0.000 χ^2/NDF:11.0/22

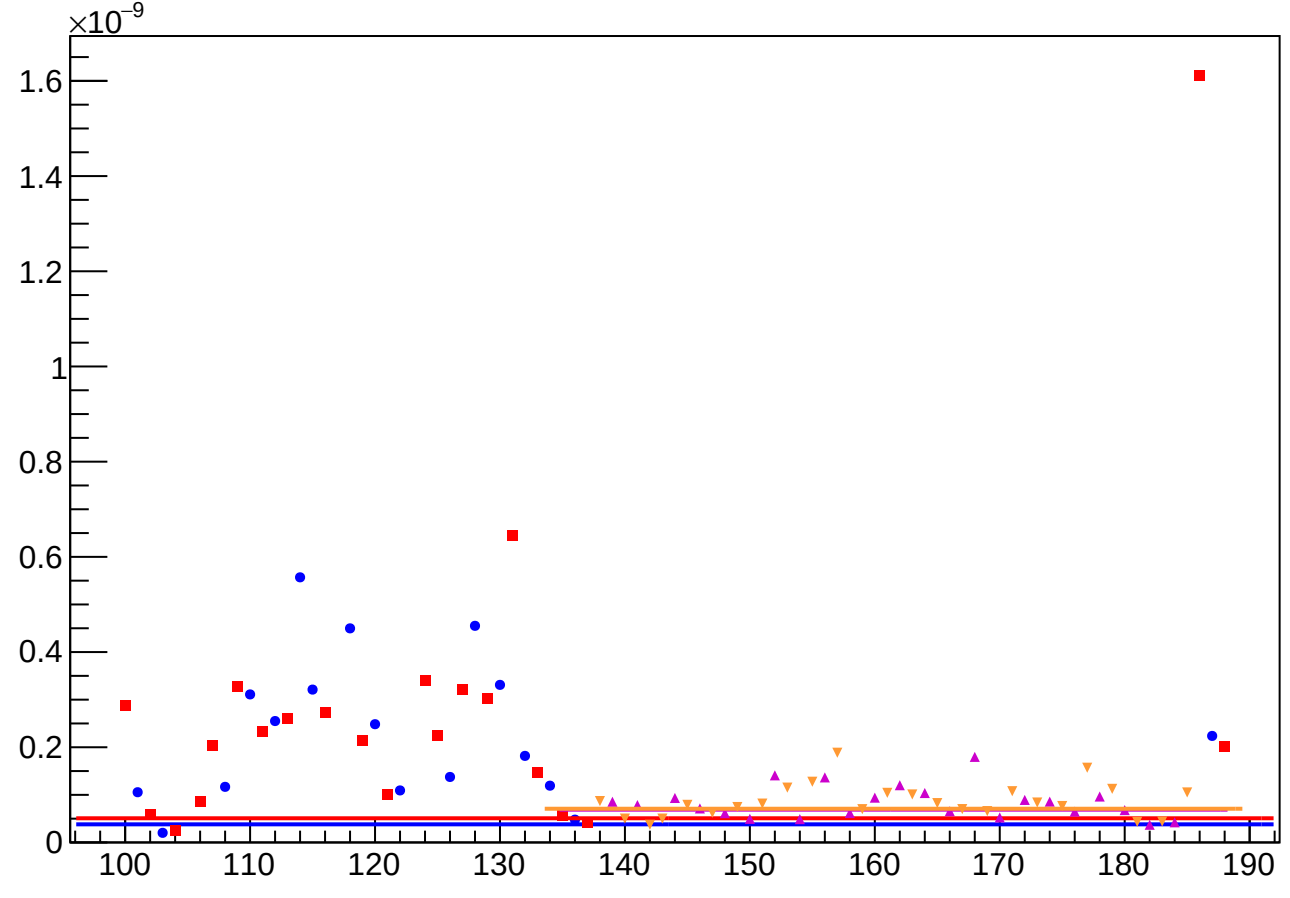
Left: -0.000+/-0.000 χ^2/NDF: 37.9/47

Right: 0.000+/-0.000 χ^2/NDF: 54.9/37

In: -0.000+/-0.000 χ^2/NDF:37.7/39

Out: 0.000+/-0.000 χ^2/NDF:53.1/45

All: -0.000+/-0.000 χ^2/NDF: 93.0/85



Right In: 0.000+/-0.000 χ^2/NDF: 3240536.8/16

Left Out: 0.000+/-0.000 χ^2/NDF:1489228.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3706338.8/20

Left In: 0.000+/-0.000 χ^2/NDF:1432116.0/22

Left: 0.000+/-0.000 χ^2/NDF: 2925873.0/47

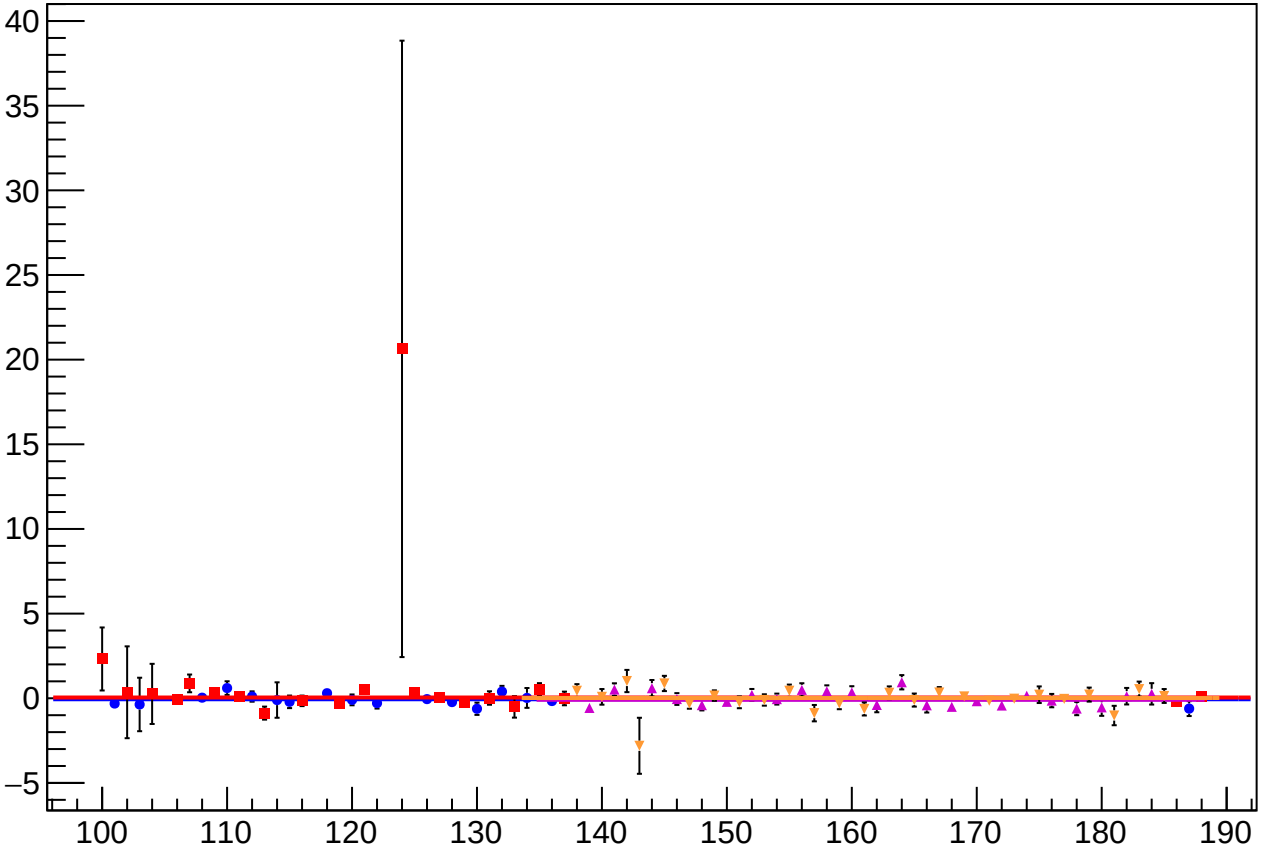
Right: 0.000+/-0.000 χ^2/NDF: 7045019.1/37

In: 0.000+/-0.000 χ^2/NDF:5542857.2/39

Out: 0.000+/-0.000 χ^2/NDF:5480452.0/45

All: 0.000+/-0.000 χ^2/NDF: 11145978.0/85

asym_atl1r2_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.058+/-0.077 χ^2/NDF: 13.4/16

Left Out: 0.014+/-0.070 χ^2/NDF:28.3/24

Right Out: 0.045+/-0.063 χ^2/NDF: 24.8/20

Left In: -0.091+/-0.070 χ^2/NDF:30.9/22

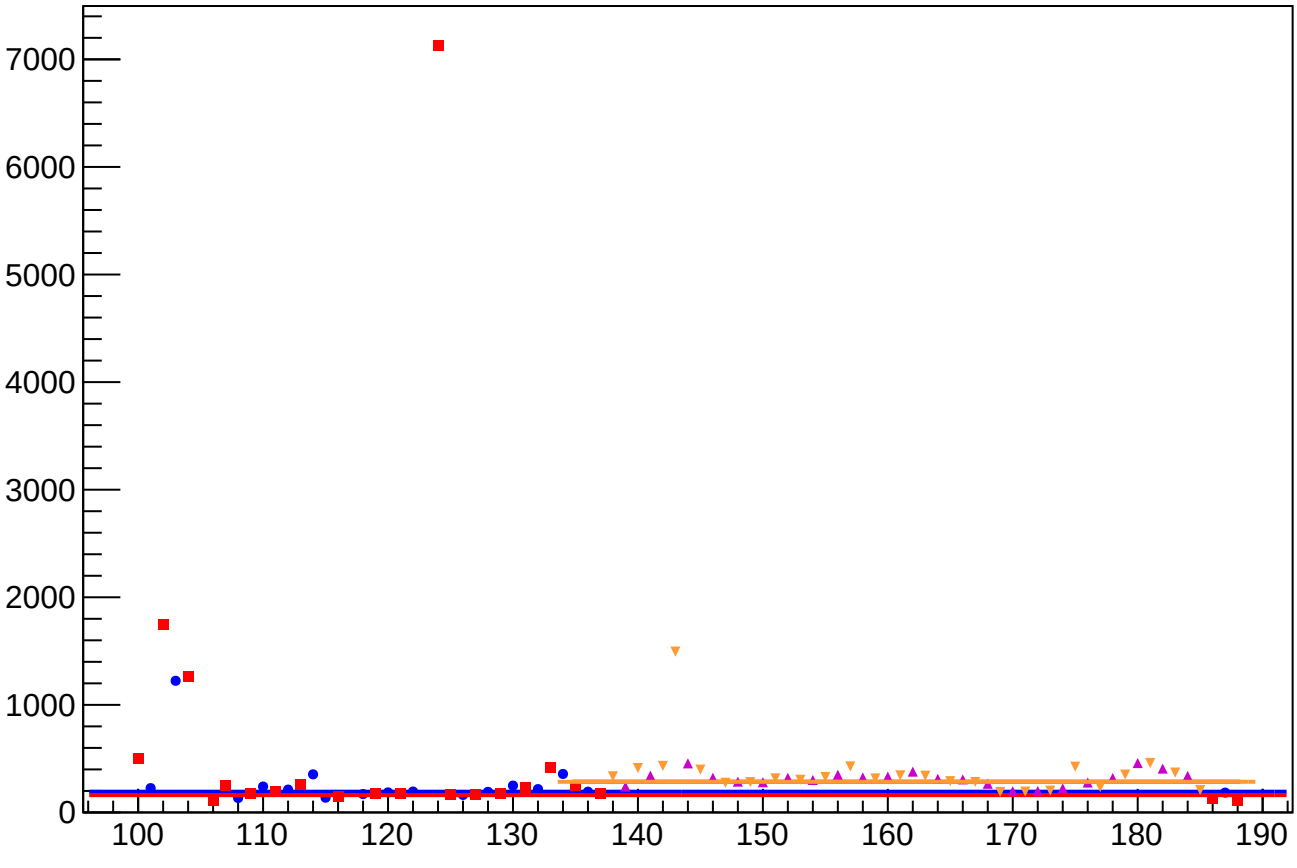
Left: -0.038+/-0.050 χ^2/NDF: 60.3/47

Right: 0.003+/-0.049 χ^2/NDF: 39.3/37

In: -0.076+/-0.052 χ^2/NDF:44.4/39

Out: 0.031+/-0.047 χ^2/NDF:53.2/45

All: -0.017+/-0.035 χ^2/NDF: 99.9/85



Right In: 192.978+/-0.054 χ^2/NDF: 1409192.7/16

Left Out: 285.036+/-0.049 χ^2/NDF:3407001.6/24

Right Out: 160.995+/-0.045 χ^2/NDF: 3061383.9/20

Left In: 285.869+/-0.050 χ^2/NDF:1744706.1/22

Left: 285.449+/-0.035 χ^2/NDF: 5151848.7/47

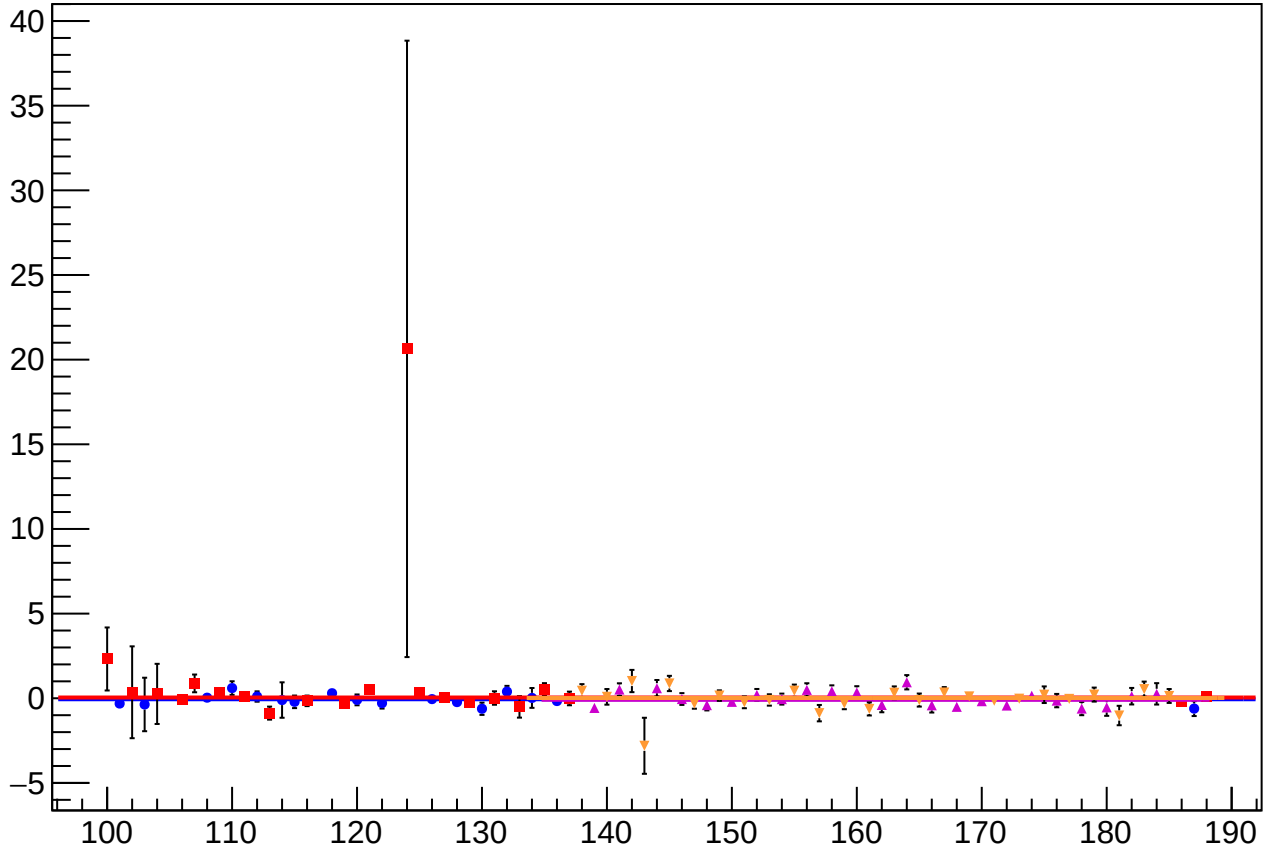
Right: 173.913+/-0.034 χ^2/NDF: 4678596.1/37

In: 243.303+/-0.037 χ^2/NDF:4748660.5/39

Out: 216.689+/-0.033 χ^2/NDF:9946533.8/45

All: 228.638+/-0.025 χ^2/NDF: 14985766.9/85

asym_atl1r2_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.058+/-0.077 χ^2/NDF: 13.4/16

Left Out: 0.014+/-0.070 χ^2/NDF:28.3/24

Right Out: 0.045+/-0.063 χ^2/NDF: 24.8/20

Left In: -0.091+/-0.070 χ^2/NDF:30.9/22

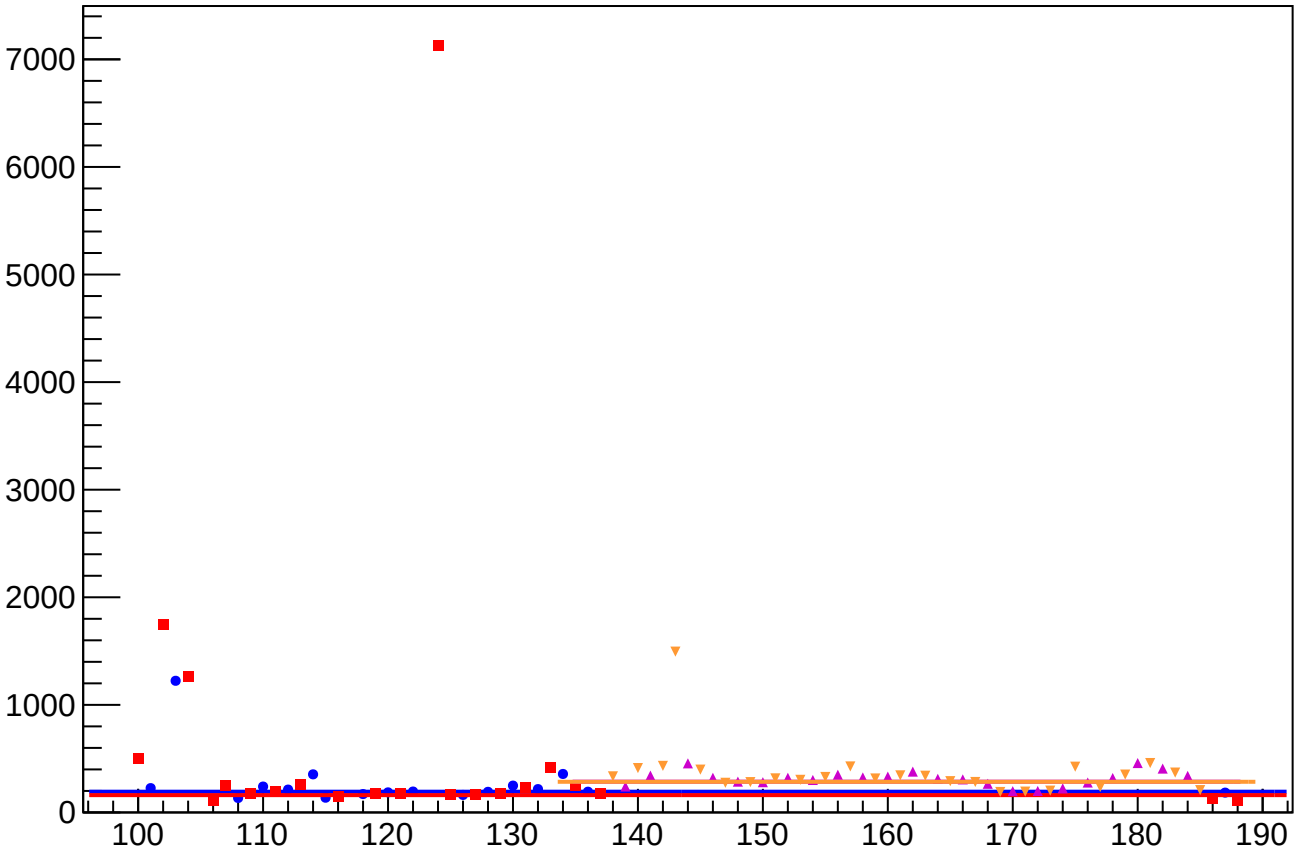
Left: -0.038+/-0.050 χ^2/NDF: 60.3/47

Right: 0.003+/-0.049 χ^2/NDF: 39.3/37

In: -0.076+/-0.052 χ^2/NDF:44.4/39

Out: 0.031+/-0.047 χ^2/NDF:53.2/45

All: -0.017+/-0.035 χ^2/NDF: 99.9/85



Right In: 192.978+/-0.054 χ^2/NDF: 1409192.7/16

Left Out: 285.036+/-0.049 χ^2/NDF:3407001.6/24

Right Out: 160.995+/-0.045 χ^2/NDF: 3061383.9/20

Left In: 285.869+/-0.050 χ^2/NDF:1744706.1/22

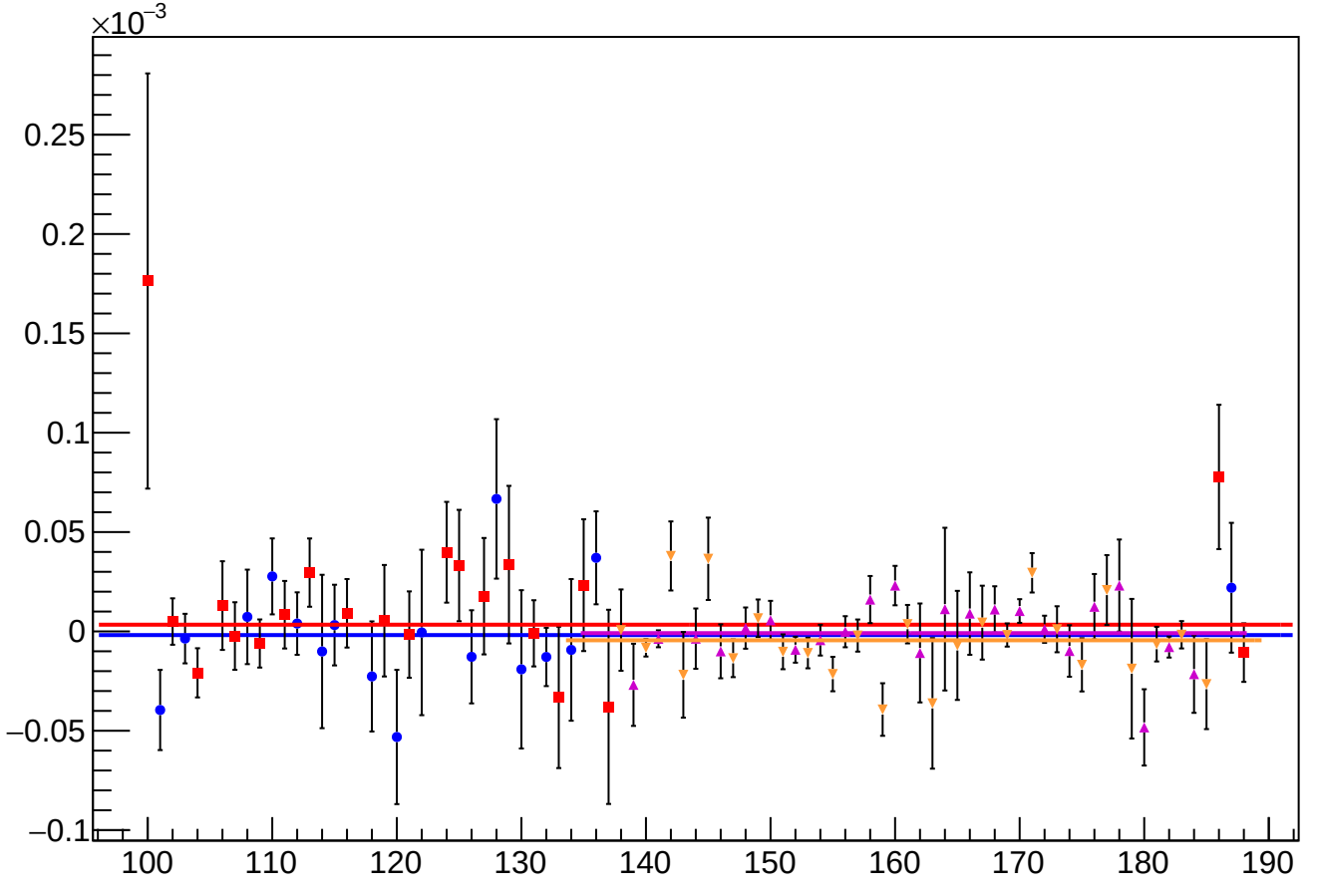
Left: 285.449+/-0.035 χ^2/NDF: 5151848.7/47

Right: 173.913+/-0.034 χ^2/NDF: 4678596.1/37

In: 243.303+/-0.037 χ^2/NDF:4748660.5/39

Out: 216.689+/-0.033 χ^2/NDF:9946533.8/45

All: 228.638+/-0.025 χ^2/NDF: 14985766.9/85



Right In: -0.000+/-0.000 χ^2/NDF: 16.4/16

Left Out: -0.000+/-0.000 χ^2/NDF:43.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 21.4/20

Left In: -0.000+/-0.000 χ^2/NDF:29.0/22

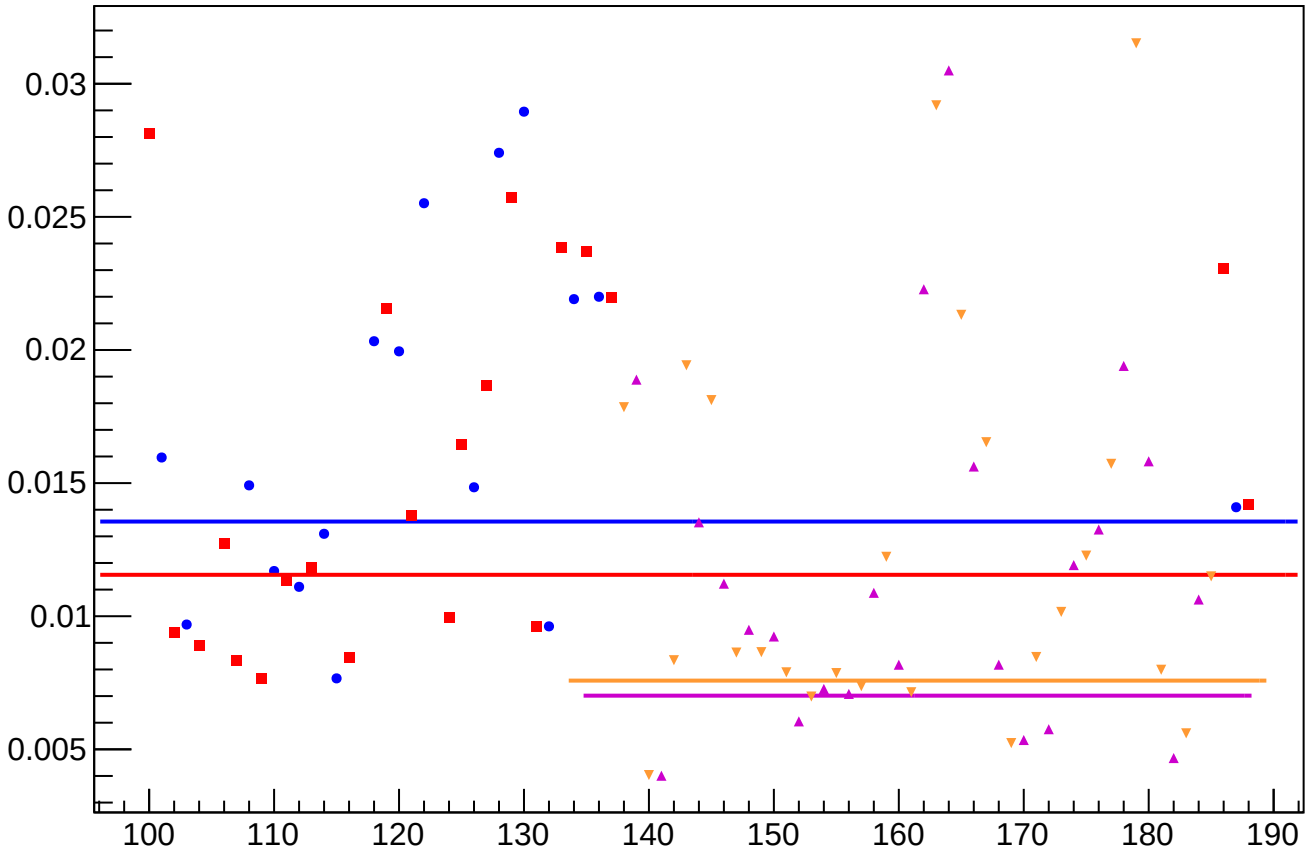
Left: -0.000+/-0.000 χ^2/NDF: 74.6/47

Right: 0.000+/-0.000 χ^2/NDF: 38.4/37

In: -0.000+/-0.000 χ^2/NDF:45.4/39

Out: -0.000+/-0.000 χ^2/NDF:68.1/45

All: -0.000+/-0.000 χ^2/NDF: 114.2/85



Right In: 0.014+/-0.000 χ^2/NDF: 1878172.2/16

Left Out: 0.008+/-0.000 χ^2/NDF:7351454.7/24

Right Out: 0.012+/-0.000 χ^2/NDF: 2169574.7/20

Left In: 0.007+/-0.000 χ^2/NDF:6740679.5/22

Left: 0.007+/-0.000 χ^2/NDF: 14177078.3/47

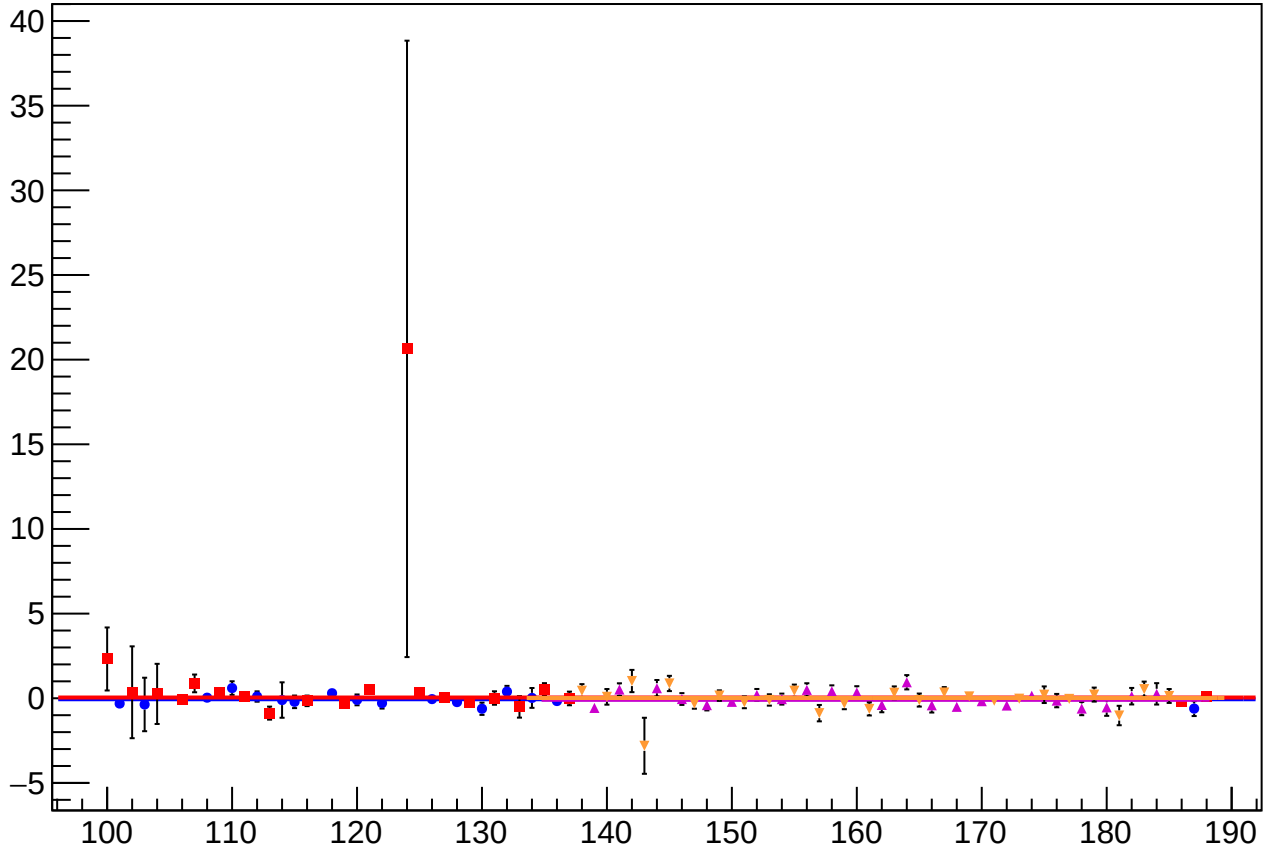
Right: 0.012+/-0.000 χ^2/NDF: 4218317.7/37

In: 0.008+/-0.000 χ^2/NDF:11245486.7/39

Out: 0.008+/-0.000 χ^2/NDF:10964153.0/45

All: 0.008+/-0.000 χ^2/NDF: 22300475.0/85

asym_atl1r2_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.058+/-0.077 χ^2/NDF: 13.4/16

Left Out: 0.014+/-0.070 χ^2/NDF:28.3/24

Right Out: 0.045+/-0.063 χ^2/NDF: 24.8/20

Left In: -0.091+/-0.070 χ^2/NDF:30.9/22

Left: -0.038+/-0.050 χ^2/NDF: 60.3/47

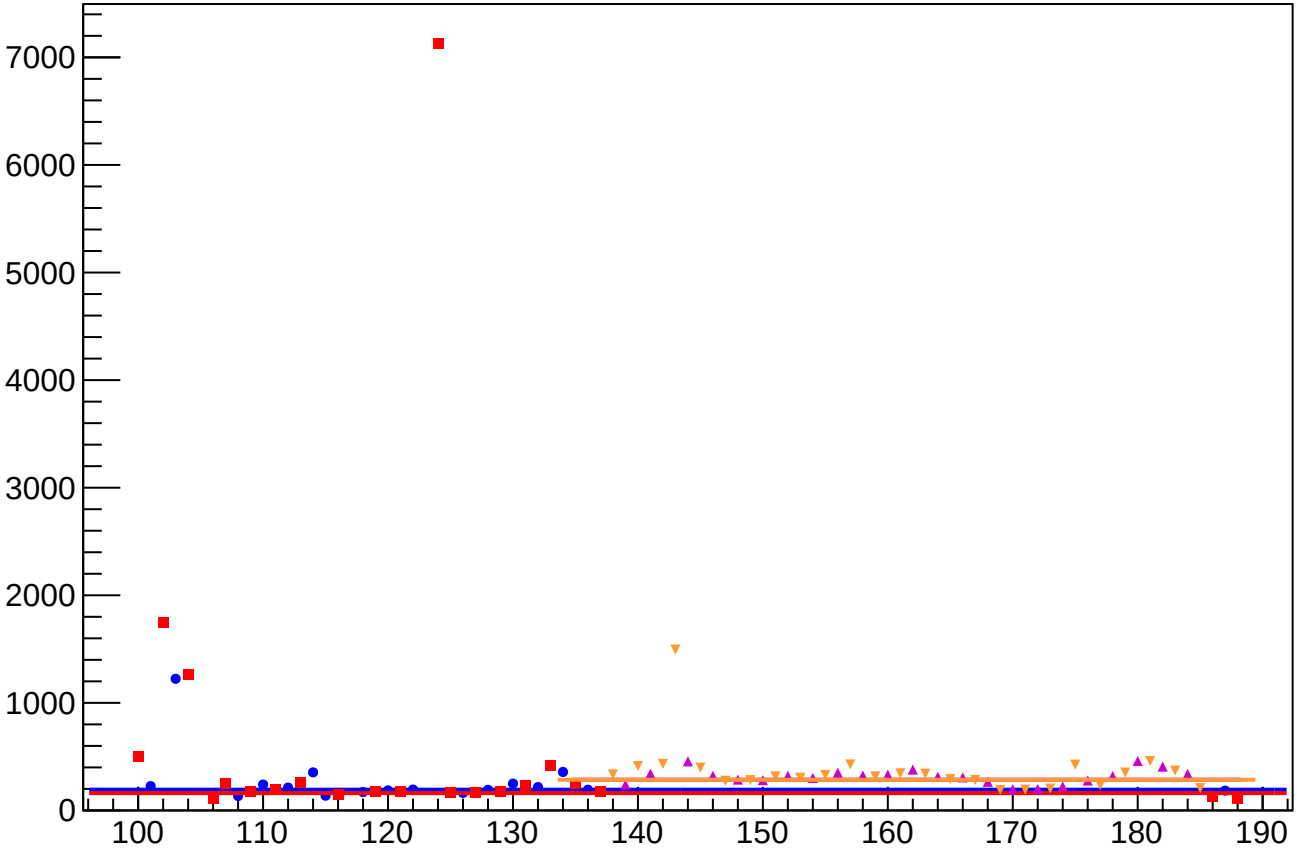
Right: 0.003+/-0.049 χ^2/NDF: 39.3/37

In: -0.076+/-0.052 χ^2/NDF:44.4/39

Out: 0.031+/-0.047 χ^2/NDF:53.2/45

All: -0.017+/-0.035 χ^2/NDF: 99.9/85

asym_atl1r2_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 192.977+/-0.054 χ^2/NDF: 1409186.7/16

Left Out: 285.039+/-0.049 χ^2/NDF:3407037.3/24

Right Out: 160.992+/-0.045 χ^2/NDF: 3061456.6/20

Left In: 285.871+/-0.050 χ^2/NDF:1744743.9/22

Left: 285.451+/-0.035 χ^2/NDF: 5151922.1/47

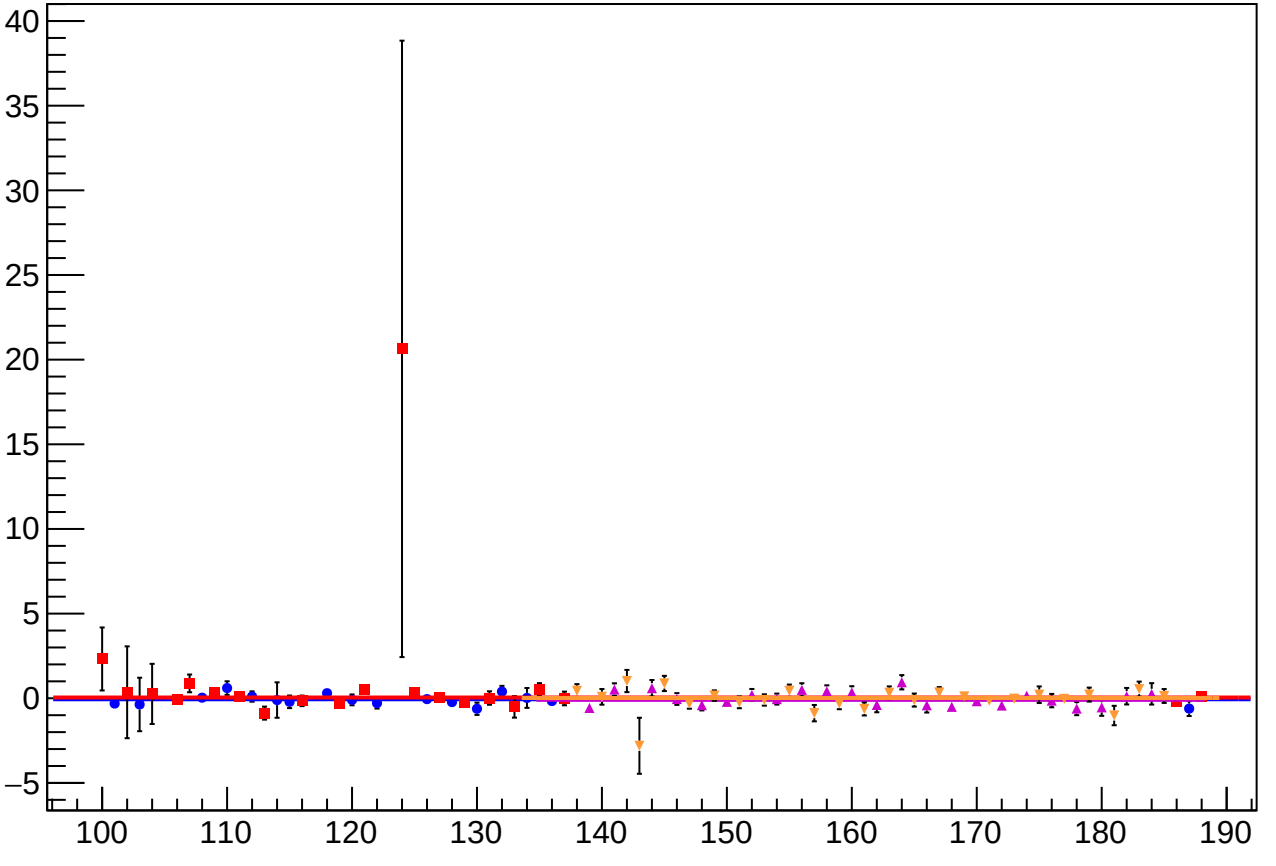
Right: 173.911+/-0.034 χ^2/NDF: 4678684.2/37

In: 243.303+/-0.037 χ^2/NDF:4748834.1/39

Out: 216.688+/-0.033 χ^2/NDF:9946961.6/45

All: 228.637+/-0.025 χ^2/NDF: 14986405.5/85

asym_atl1r2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.058+/-0.077 χ^2/NDF: 13.4/16

Left Out: 0.014+/-0.070 χ^2/NDF:28.3/24

Right Out: 0.045+/-0.063 χ^2/NDF: 24.8/20

Left In: -0.091+/-0.070 χ^2/NDF:30.9/22

Left: -0.038+/-0.050 χ^2/NDF: 60.3/47

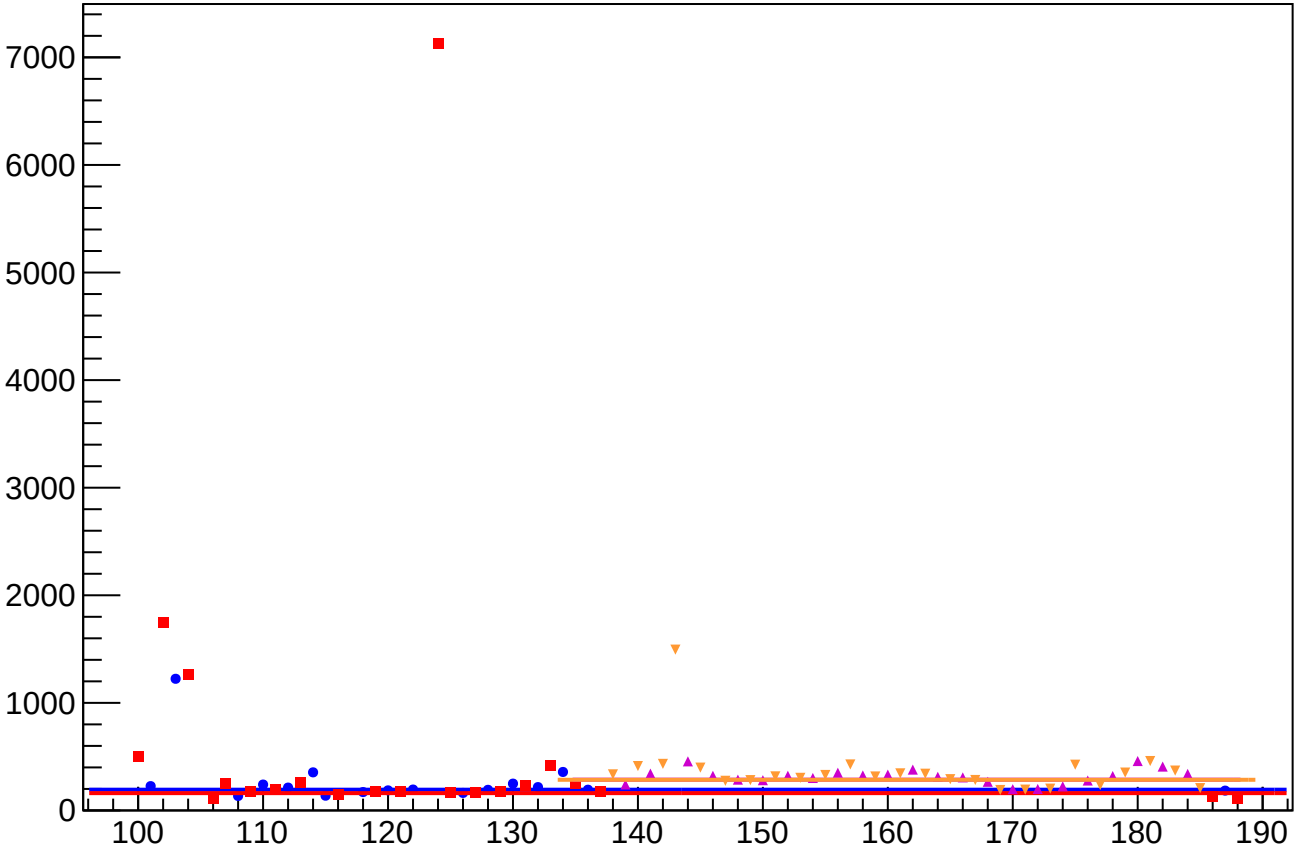
Right: 0.003+/-0.049 χ^2/NDF: 39.3/37

In: -0.076+/-0.052 χ^2/NDF:44.4/39

Out: 0.031+/-0.047 χ^2/NDF:53.2/45

All: -0.017+/-0.035 χ^2/NDF: 99.9/85

asym_atl1r2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 192.977+/-0.054 χ^2/NDF: 1409186.7/16

Left Out: 285.039+/-0.049 χ^2/NDF:3407037.3/24

Right Out: 160.992+/-0.045 χ^2/NDF: 3061456.6/20

Left In: 285.871+/-0.050 χ^2/NDF:1744743.9/22

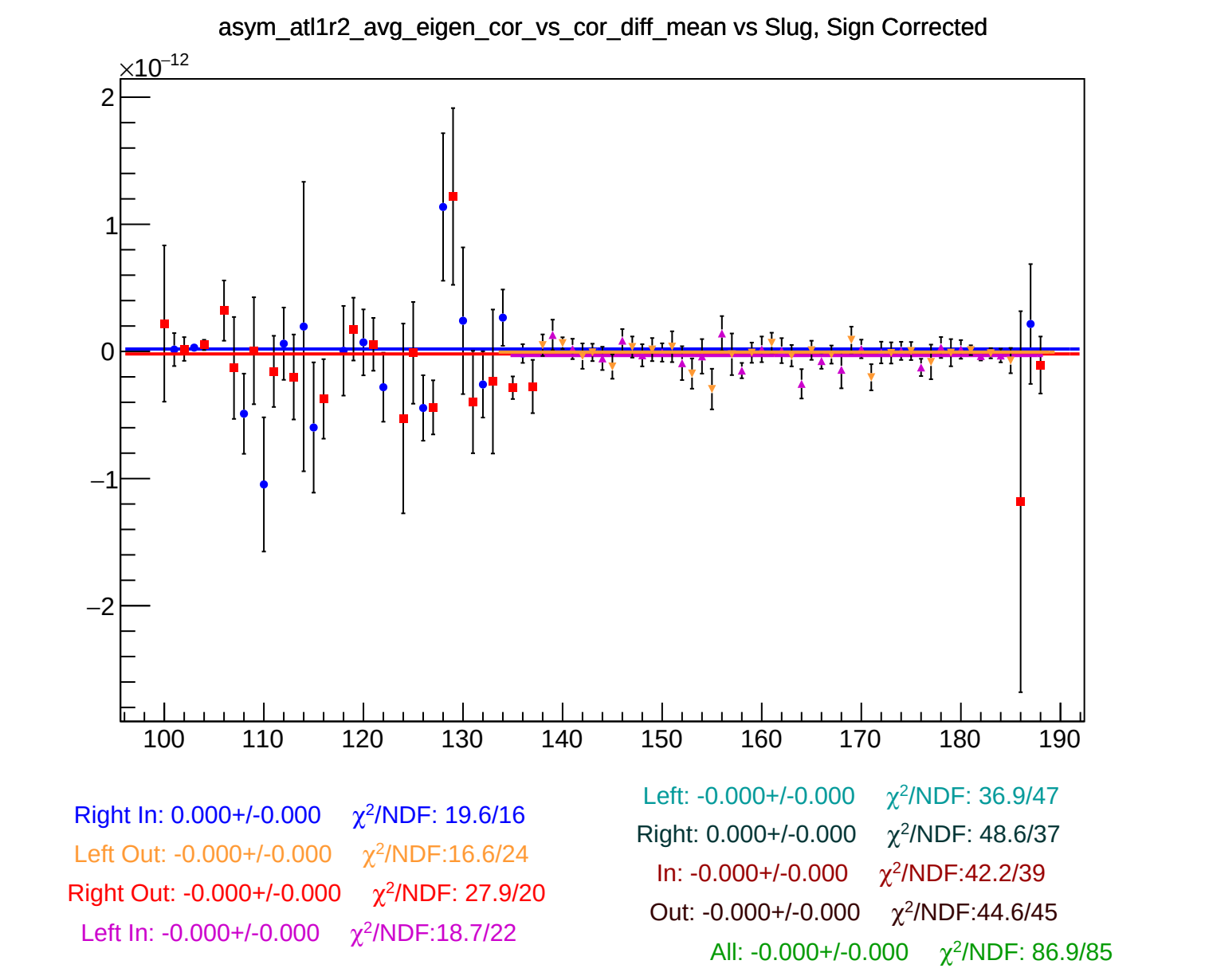
Left: 285.451+/-0.035 χ^2/NDF: 5151922.1/47

Right: 173.911+/-0.034 χ^2/NDF: 4678684.2/37

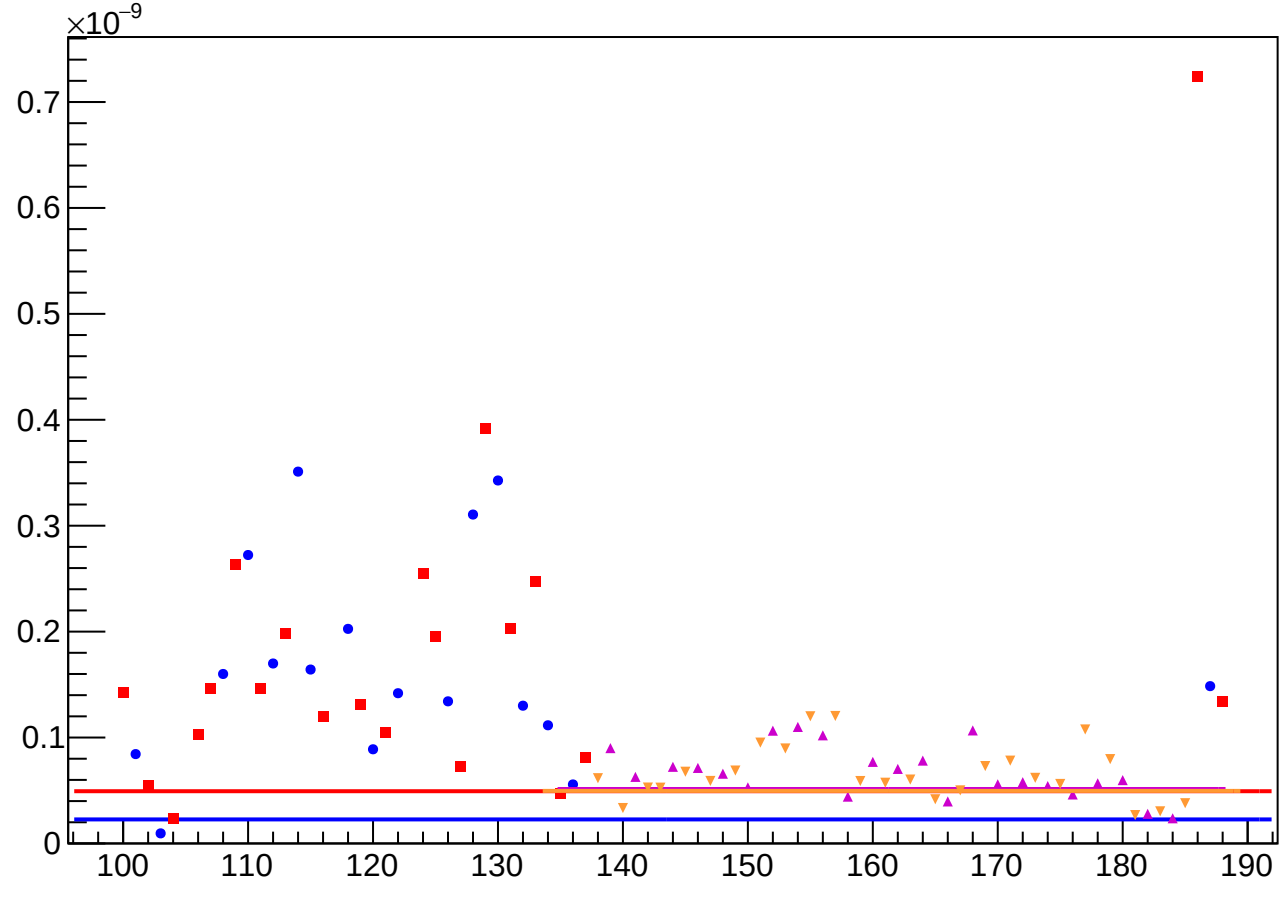
In: 243.303+/-0.037 χ^2/NDF:4748834.1/39

Out: 216.688+/-0.033 χ^2/NDF:9946961.6/45

All: 228.637+/-0.025 χ^2/NDF: 14986405.5/85


asym_atl1r2_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10−12
2
1
0
−1
−2
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ2/NDF: 19.6/16
Left Out: -0.000+/-0.000 χ2/NDF:16.6/24
Right Out: -0.000+/-0.000 χ2/NDF: 27.9/20
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: 48.6/37
In: -0.000+/-0.000 χ2/NDF:42.2/39
Out: -0.000+/-0.000 χ2/NDF:44.6/45
All: -0.000+/-0.000 χ2/NDF: 86.9/85

asym_atl1r2_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 6553008.7/16

Left Out: 0.000+/-0.000 χ^2/NDF:3882649.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4932677.5/20

Left In: 0.000+/-0.000 χ^2/NDF:3659712.8/22

Left: 0.000+/-0.000 χ^2/NDF: 7555879.5/47

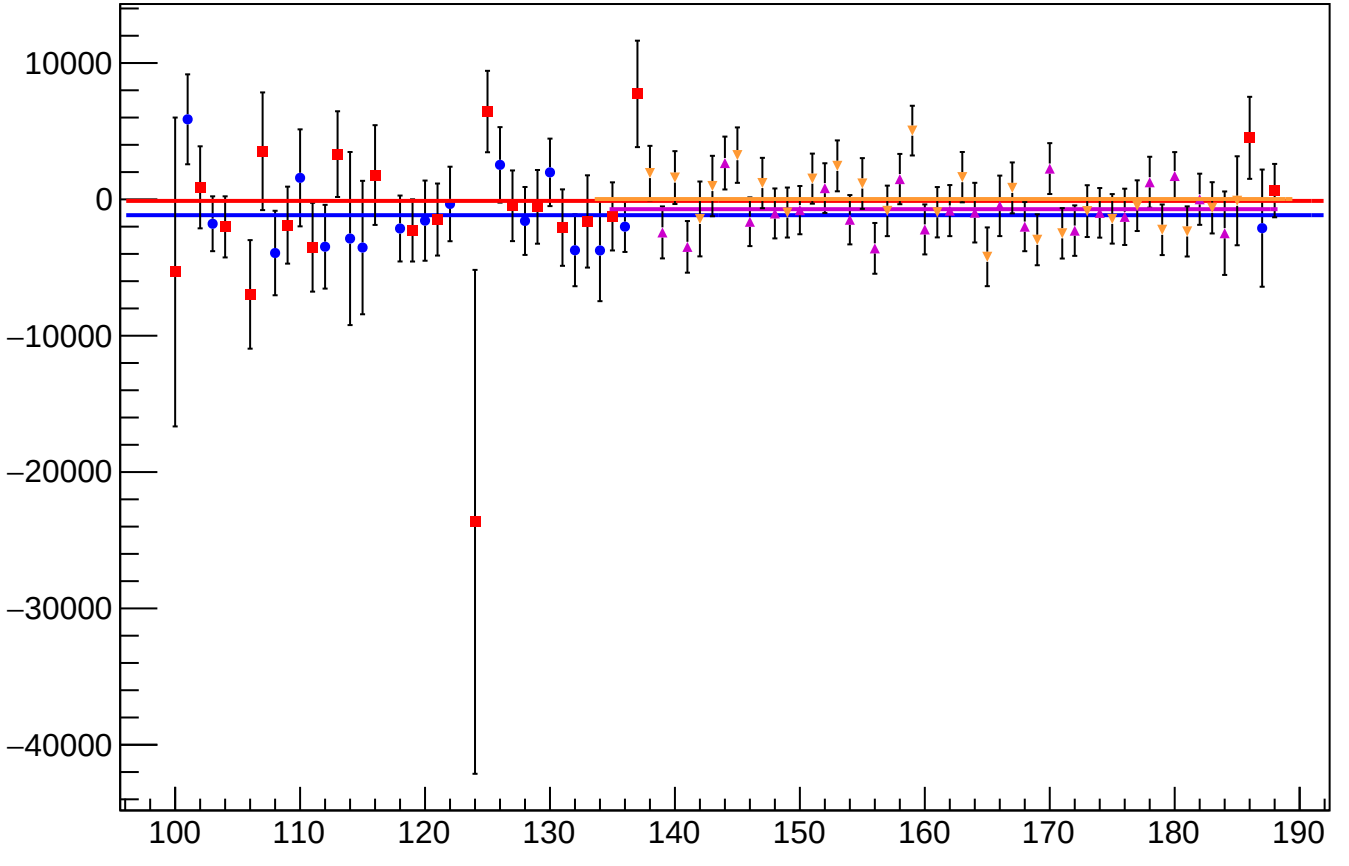
Right: 0.000+/-0.000 χ^2/NDF: 12513126.1/37

In: 0.000+/-0.000 χ^2/NDF:12669833.9/39

Out: 0.000+/-0.000 χ^2/NDF:8815484.6/45

All: 0.000+/-0.000 χ^2/NDF: 21937056.8/85

reg_asym_atl1r2_dd_mean vs Slug, Sign Corrected



Right In: -1159.434+/-684.911 χ^2/NDF: 12.3/16

Left Out: 23.114+/-387.732 χ^2/NDF:29.5/24

Right Out: -112.631+/-648.453 χ^2/NDF: 22.8/20

Left In: -719.504+/-396.449 χ^2/NDF:19.1/22

Left: -339.941+/-277.199 χ^2/NDF: 50.3/47

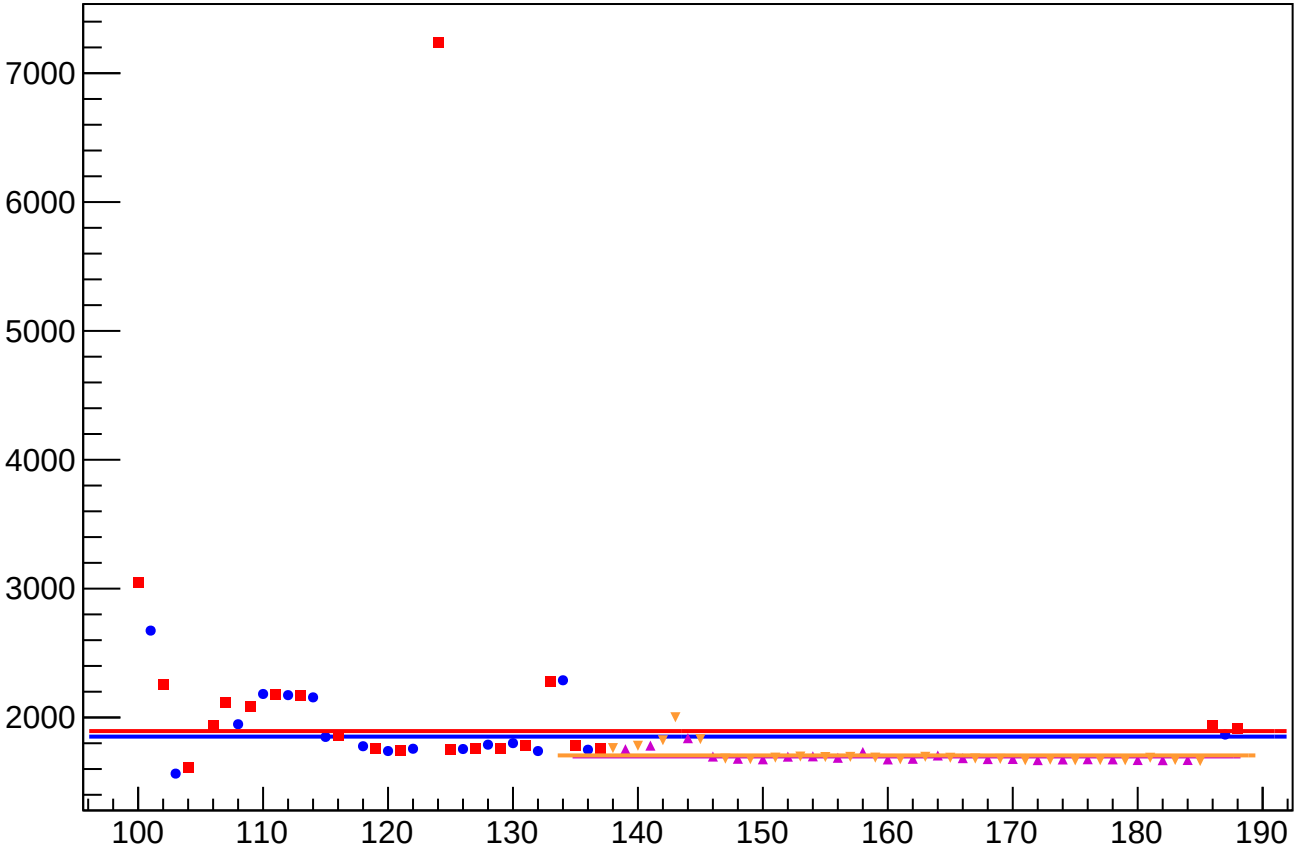
Right: -607.431+/-470.887 χ^2/NDF: 36.3/37

In: -829.910+/-343.115 χ^2/NDF:31.7/39

Out: -12.636+/-332.781 χ^2/NDF:52.3/45

All: -408.781+/-238.881 χ^2/NDF: 86.9/85

reg_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1851.547+/-0.484 χ^2/NDF: 260010.0/16

Left Out: 1705.634+/-0.274 χ^2/NDF:59928.6/24

Right Out: 1894.424+/-0.458 χ^2/NDF: 359587.7/20

Left In: 1697.514+/-0.280 χ^2/NDF:21146.9/22

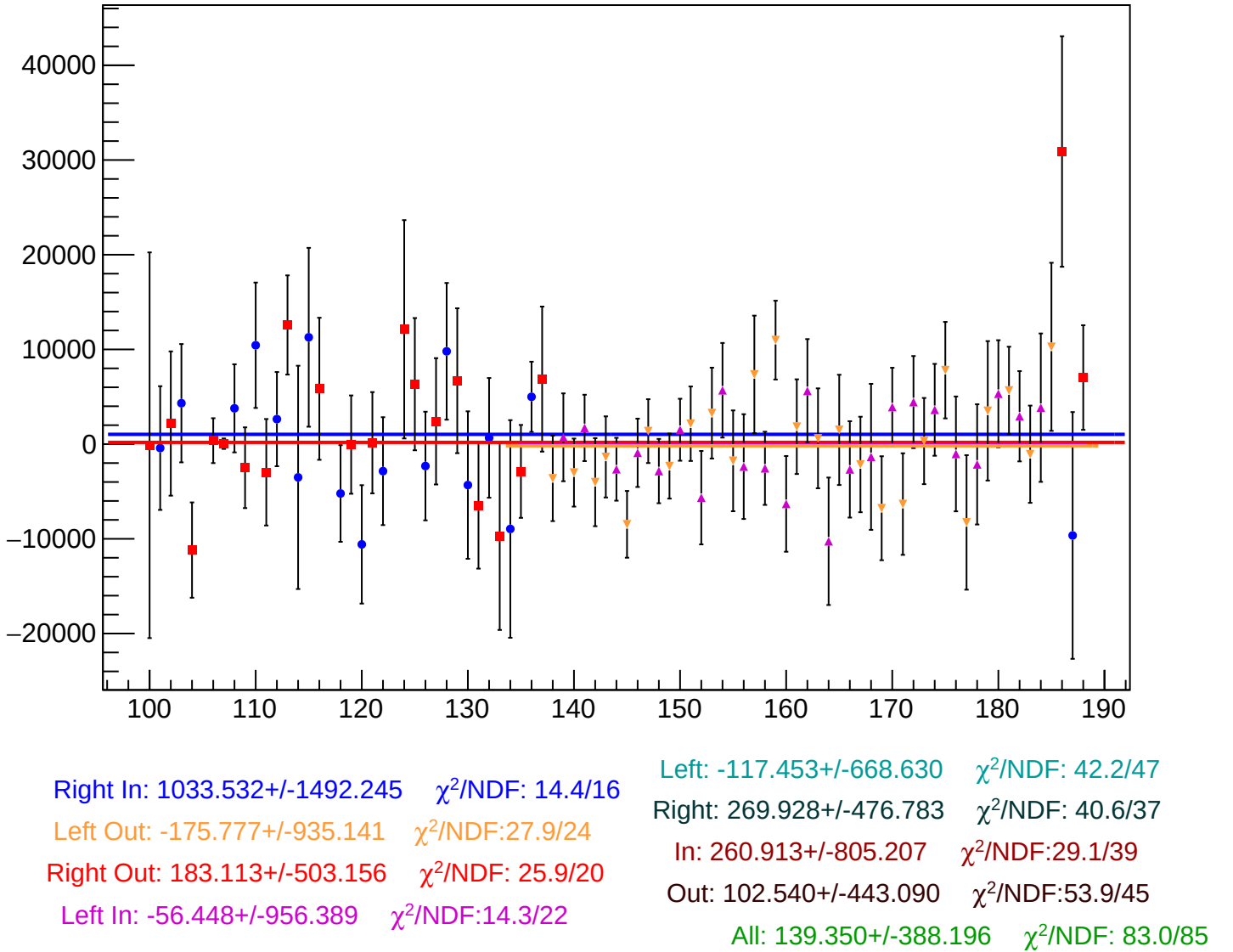
Left: 1701.665+/-0.196 χ^2/NDF: 81504.4/47

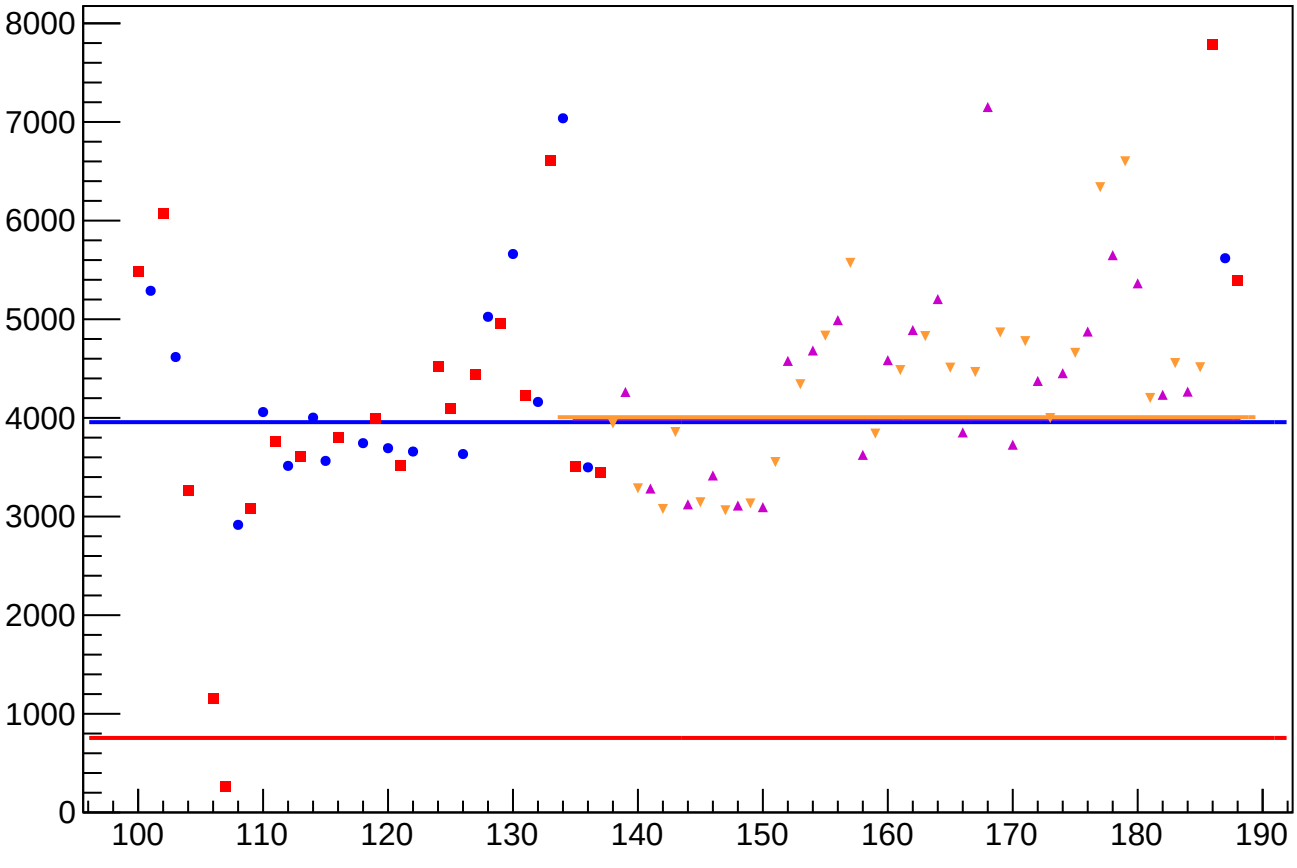
Right: 1874.199+/-0.333 χ^2/NDF: 623738.5/37

In: 1736.171+/-0.243 χ^2/NDF:356925.8/39

Out: 1755.498+/-0.235 χ^2/NDF:544752.9/45

All: 1746.135+/-0.169 χ^2/NDF: 904950.4/85


asym_atl1r2_dd_reg_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
170
180
190
Right In: 1033.532+/-1492.245 χ²/NDF: 14.4/16
Left Out: -175.777+/-935.141 χ²/NDF:27.9/24
Right Out: 183.113+/-503.156 χ²/NDF: 25.9/20
Left In: -56.448+/-956.389 χ²/NDF:14.3/22
Left: -117.453+/-668.630 χ²/NDF: 42.2/47
Right: 269.928+/-476.783 χ²/NDF: 40.6/37
In: 260.913+/-805.207 χ²/NDF:29.1/39
Out: 102.540+/-443.090 χ²/NDF:53.9/45
All: 139.350+/-388.196 χ²/NDF: 83.0/85



Right In: 3956.806+/-1.055 χ^2/NDF: 593095.2/16

Left Out: 4006.998+/-0.661 χ^2/NDF:1503677.6/24

Right Out: 755.371+/-0.356 χ^2/NDF: 12714610.5/20

Left In: 3994.974+/-0.676 χ^2/NDF:1538115.4/22

Left: 4001.121+/-0.473 χ^2/NDF: 3041954.6/47

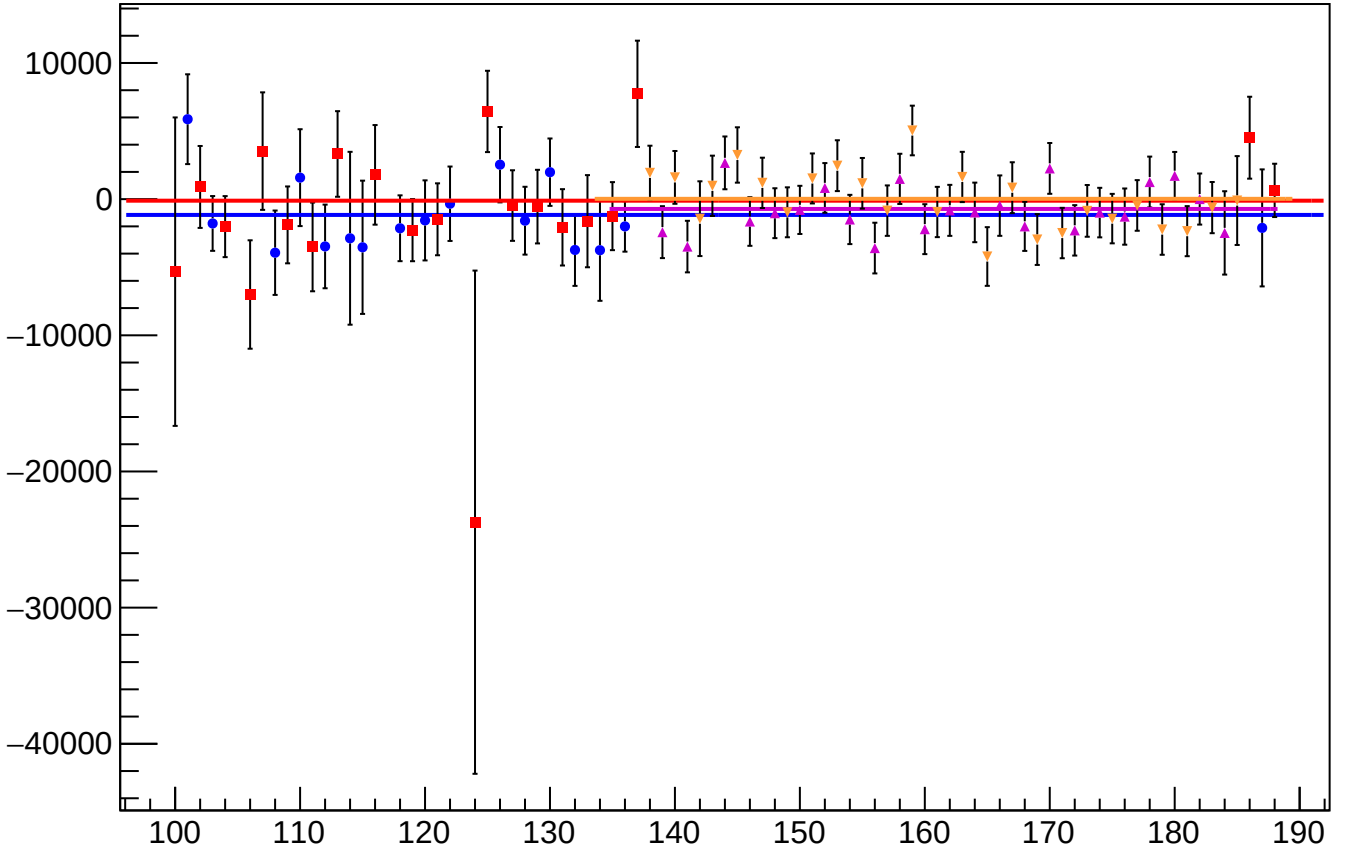
Right: 1082.189+/-0.337 χ^2/NDF: 21573311.6/37

In: 3983.861+/-0.569 χ^2/NDF:2132138.0/39

Out: 1485.383+/-0.313 χ^2/NDF:32970610.0/45

All: 2066.098+/-0.274 χ^2/NDF: 49883104.6/8

cor_asym_atl1r2_dd_mean vs Slug, Sign Corrected



Right In: -1159.036+/-684.911 χ^2/NDF: 12.3/16

Left Out: 23.186+/-387.732 χ^2/NDF:29.5/24

Right Out: -112.913+/-648.454 χ^2/NDF: 22.8/20

Left In: -719.380+/-396.449 χ^2/NDF:19.1/22

Left: -339.844+/-277.199 χ^2/NDF: 50.3/47

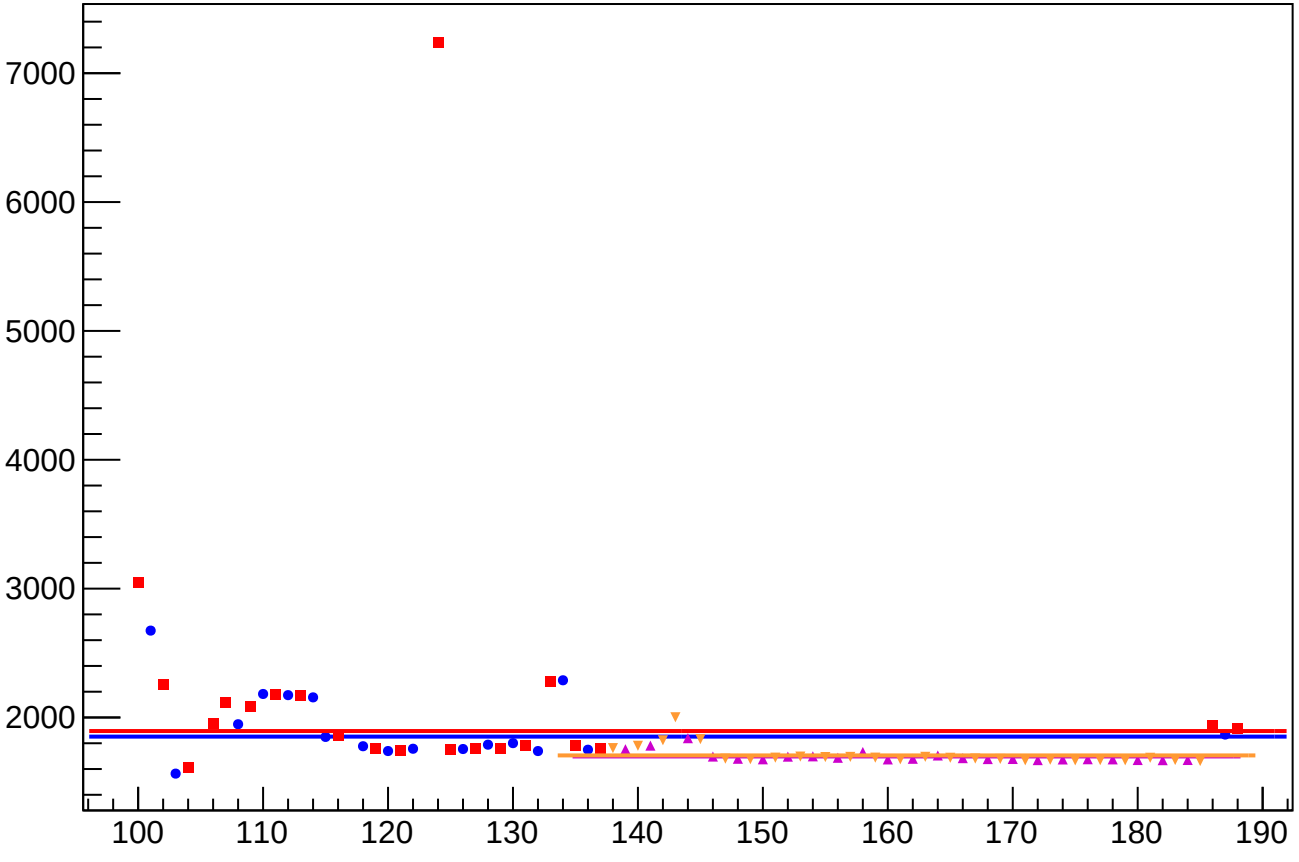
Right: -607.392+/-470.887 χ^2/NDF: 36.3/37

In: -829.717+/-343.115 χ^2/NDF:31.7/39

Out: -12.658+/-332.781 χ^2/NDF:52.3/45

All: -408.698+/-238.881 χ^2/NDF: 86.9/85

cor_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1851.547+/-0.484 χ^2/NDF: 260009.1/16

Left Out: 1705.635+/-0.274 χ^2/NDF:59928.6/24

Right Out: 1894.813+/-0.458 χ^2/NDF: 359789.4/20

Left In: 1697.514+/-0.280 χ^2/NDF:21146.9/22

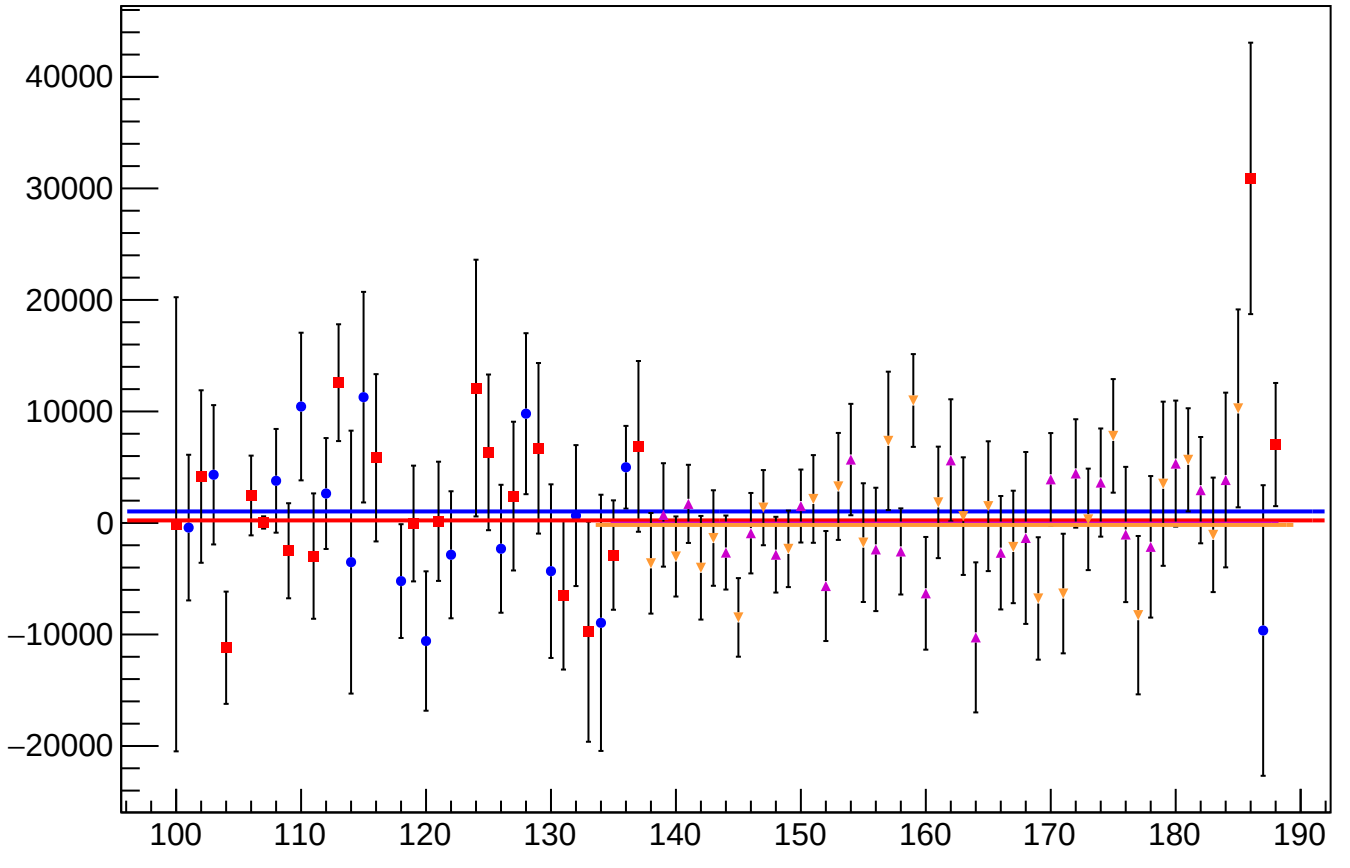
Left: 1701.665+/-0.196 χ^2/NDF: 81504.4/47

Right: 1874.400+/-0.333 χ^2/NDF: 624014.0/37

In: 1736.171+/-0.243 χ^2/NDF:356925.3/39

Out: 1755.587+/-0.235 χ^2/NDF:545435.5/45

All: 1746.180+/-0.169 χ^2/NDF: 905662.4/85



Right In: 1033.509+/-1492.250 χ^2/NDF: 14.4/16

Left Out: -175.755+/-935.140 χ^2/NDF:27.9/24

Right Out: 228.778+/-509.652 χ^2/NDF: 26.5/20

Left In: -56.377+/-956.388 χ^2/NDF:14.3/22

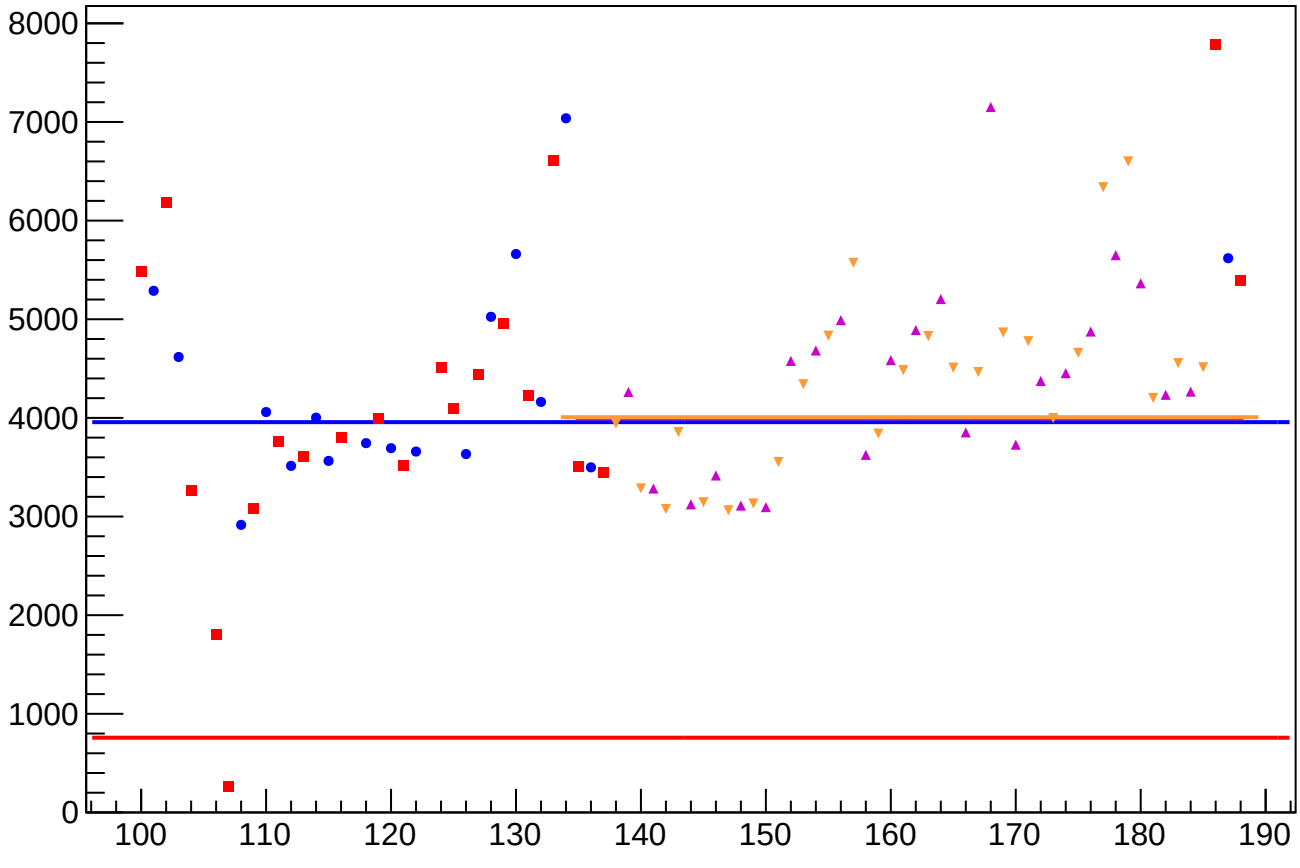
Left: -117.407+/-668.630 χ^2/NDF: 42.2/47

Right: 312.840+/-482.299 χ^2/NDF: 41.1/37

In: 260.955+/-805.208 χ^2/NDF:29.1/39

Out: 136.138+/-447.507 χ^2/NDF:54.6/45

All: 165.593+/-391.156 χ^2/NDF: 83.7/85



Right In: 3956.815+/-1.055 χ^2/NDF: 593120.7/16

Left Out: 4006.990+/-0.661 χ^2/NDF:1503698.2/24

Right Out: 757.918+/-0.360 χ^2/NDF: 12841656.4/20

Left In: 3994.972+/-0.676 χ^2/NDF:1538098.4/22

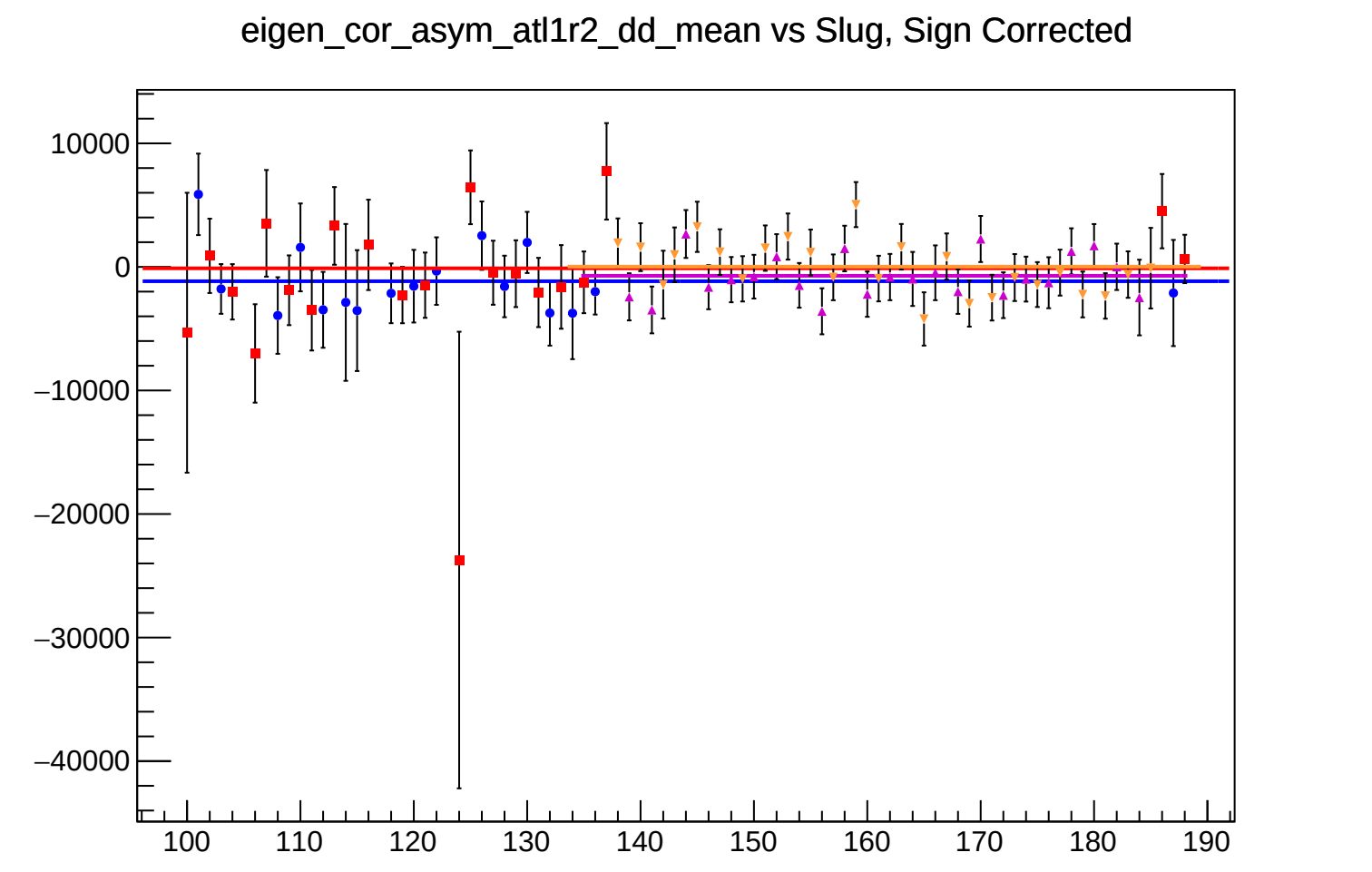
Left: 4001.116+/-0.473 χ^2/NDF: 3041958.1/47

Right: 1092.075+/-0.341 χ^2/NDF: 21665390.6/37

In: 3983.863+/-0.569 χ^2/NDF:2132146.1/39

Out: 1501.973+/-0.316 χ^2/NDF:32959662.1/45

All: 2087.662+/-0.277 χ^2/NDF: 49608929.4/8



Right In: -1159.036+/-684.911 χ^2/NDF: 12.3/16

Left Out: 23.186+/-387.732 χ^2/NDF:29.5/24

Right Out: -112.913+/-648.454 χ^2/NDF: 22.8/20

Left In: -719.380+/-396.449 χ^2/NDF:19.1/22

Left: -339.844+/-277.199 χ^2/NDF: 50.3/47

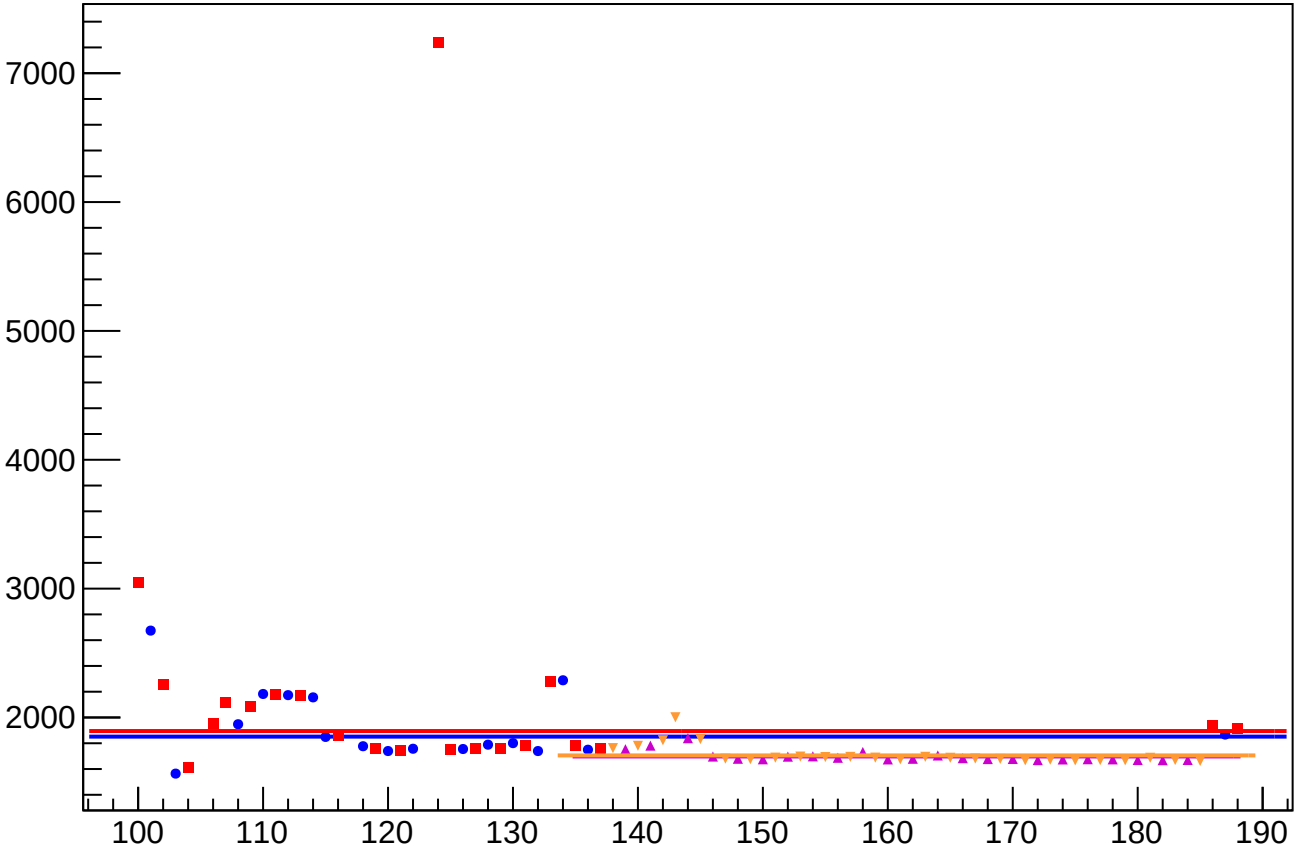
Right: -607.392+/-470.887 χ^2/NDF: 36.3/37

In: -829.717+/-343.115 χ^2/NDF:31.7/39

Out: -12.658+/-332.781 χ^2/NDF:52.3/45

All: -408.698+/-238.881 χ^2/NDF: 86.9/85

eigen_cor_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1851.547+/-0.484 χ^2/NDF: 260009.1/16

Left Out: 1705.635+/-0.274 χ^2/NDF:59928.6/24

Right Out: 1894.813+/-0.458 χ^2/NDF: 359789.4/20

Left In: 1697.514+/-0.280 χ^2/NDF:21146.9/22

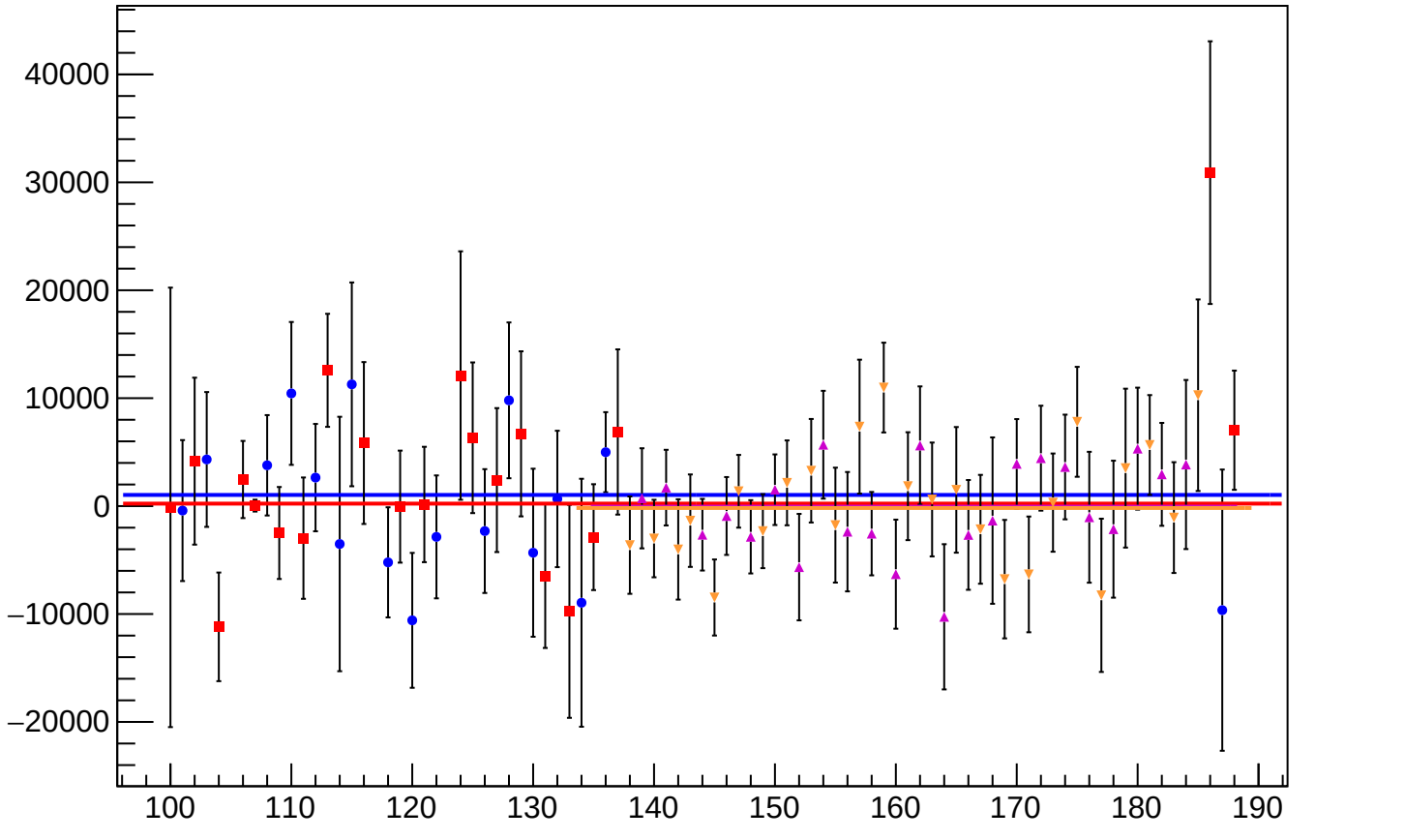
Left: 1701.665+/-0.196 χ^2/NDF: 81504.4/47

Right: 1874.400+/-0.333 χ^2/NDF: 624014.0/37

In: 1736.171+/-0.243 χ^2/NDF:356925.3/39

Out: 1755.587+/-0.235 χ^2/NDF:545435.5/45

All: 1746.180+/-0.169 χ^2/NDF: 905662.4/85



Right In: 1033.509+/-1492.250 χ^2/NDF: 14.4/16

Left Out: -175.755+/-935.140 χ^2/NDF:27.9/24

Right Out: 228.778+/-509.652 χ^2/NDF: 26.5/20

Left In: -56.377+/-956.388 χ^2/NDF:14.3/22

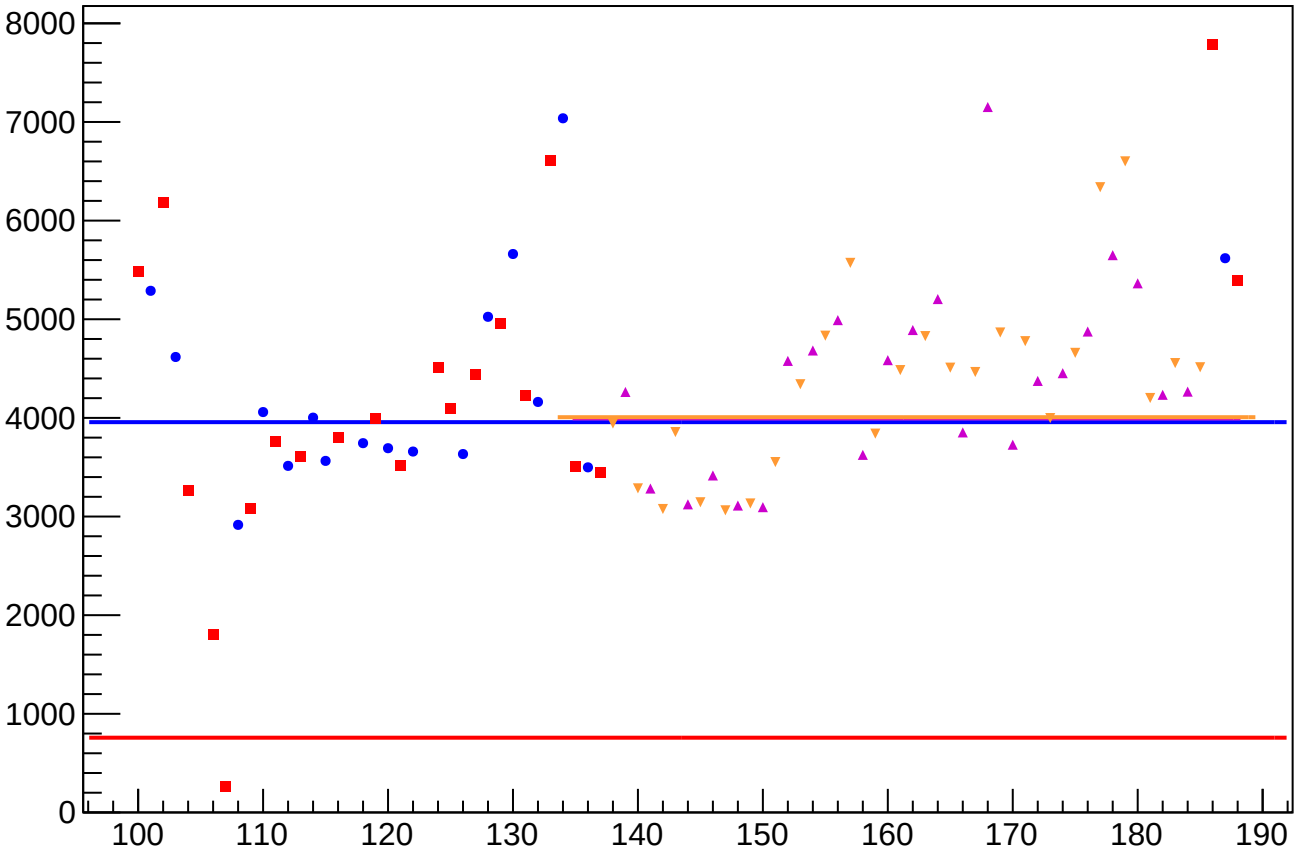
Left: -117.407+/-668.630 χ^2/NDF: 42.2/47

Right: 312.840+/-482.299 χ^2/NDF: 41.1/37

In: 260.955+/-805.208 χ^2/NDF:29.1/39

Out: 136.138+/-447.507 χ^2/NDF:54.6/45

All: 165.593+/-391.156 χ^2/NDF: 83.7/85



Right In: 3956.815+/-1.055 χ^2/NDF: 593120.7/16

Left Out: 4006.990+/-0.661 χ^2/NDF:1503698.2/24

Right Out: 757.918+/-0.360 χ^2/NDF: 12841656.4/20

Left In: 3994.972+/-0.676 χ^2/NDF:1538098.4/22

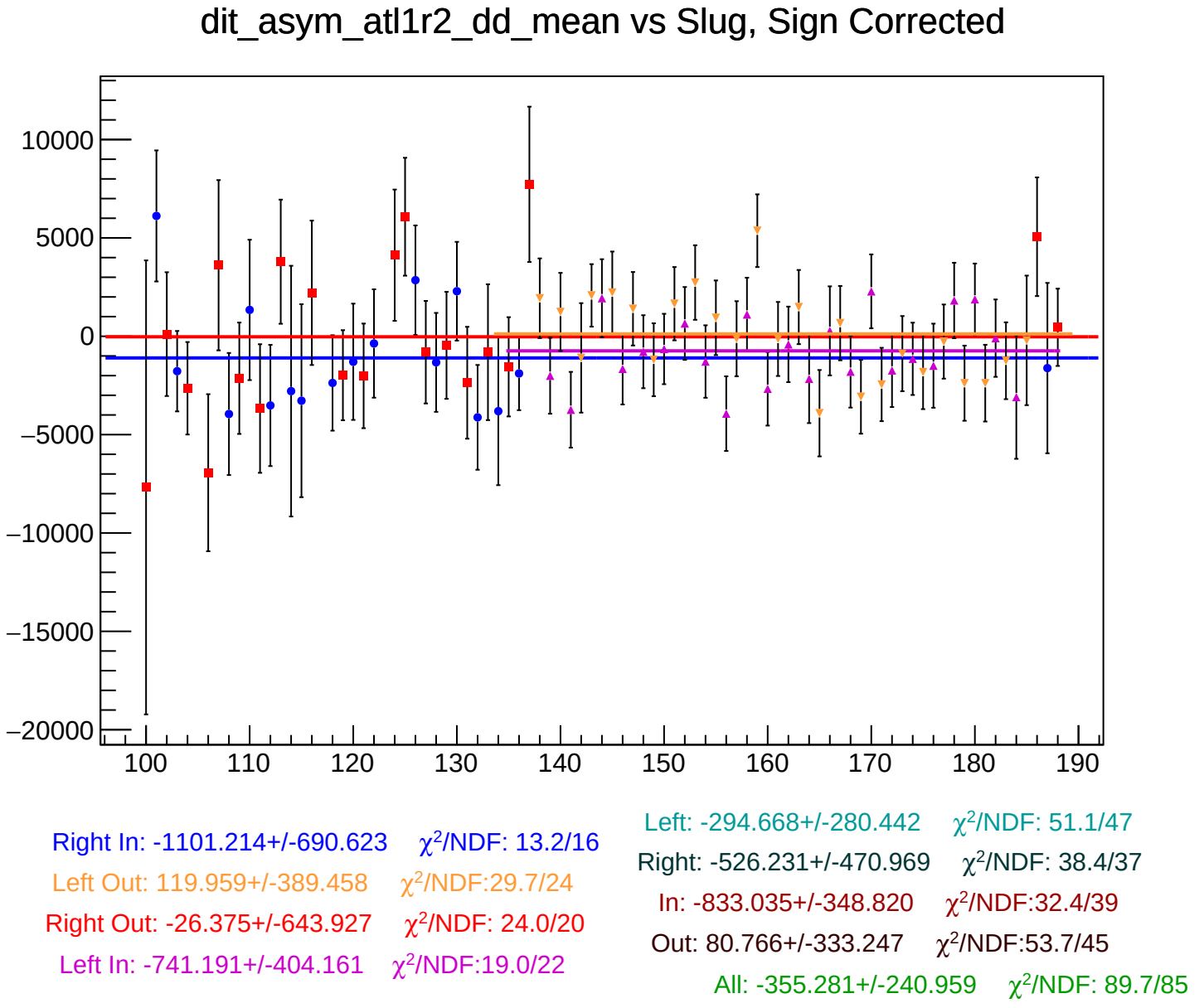
Left: 4001.116+/-0.473 χ^2/NDF: 3041958.1/47

Right: 1092.075+/-0.341 χ^2/NDF: 21665390.6/37

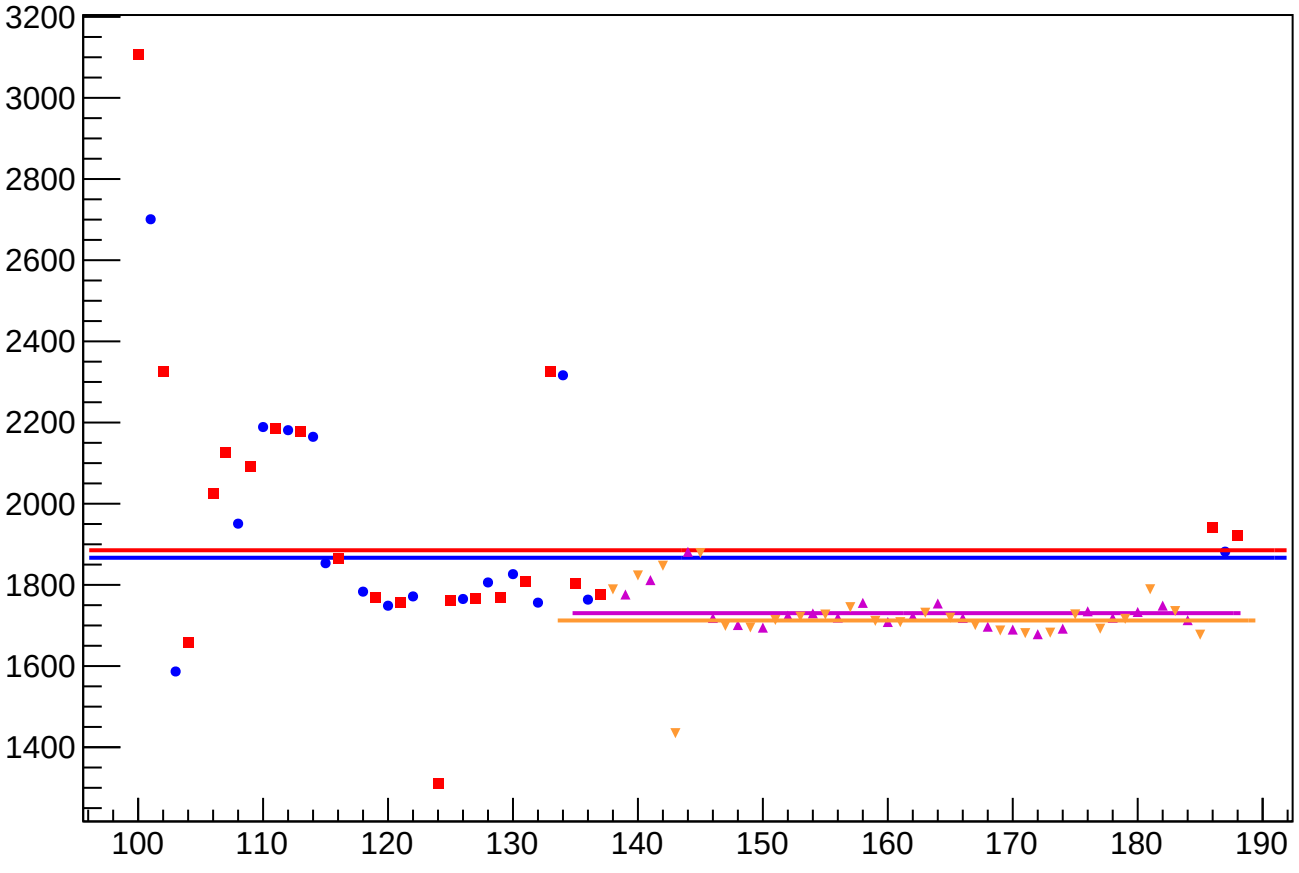
In: 3983.863+/-0.569 χ^2/NDF:2132146.1/39

Out: 1501.973+/-0.316 χ^2/NDF:32959662.1/45

All: 2087.662+/-0.277 χ^2/NDF: 49608929.4/8


dit_asym_atl1r2_dd_mean vs Slug, Sign Corrected
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
170
180
190
Right In: -1101.214+/-690.623 χ²/NDF: 13.2/16
Left Out: 119.959+/-389.458 χ²/NDF:29.7/24
Right Out: -26.375+/-643.927 χ²/NDF: 24.0/20
Left In: -741.191+/-404.161 χ²/NDF:19.0/22
Left: -294.668+/-280.442 χ²/NDF: 51.1/47
Right: -526.231+/-470.969 χ²/NDF: 38.4/37
In: -833.035+/-348.820 χ²/NDF:32.4/39
Out: 80.766+/-333.247 χ²/NDF:53.7/45
All: -355.281+/-240.959 χ²/NDF: 89.7/85

dit_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1866.849+/-0.488 χ^2/NDF: 256287.2/16

Left Out: 1712.310+/-0.275 χ^2/NDF:94399.0/24

Right Out: 1885.316+/-0.455 χ^2/NDF: 253472.1/20

Left In: 1730.342+/-0.286 χ^2/NDF:23075.7/22

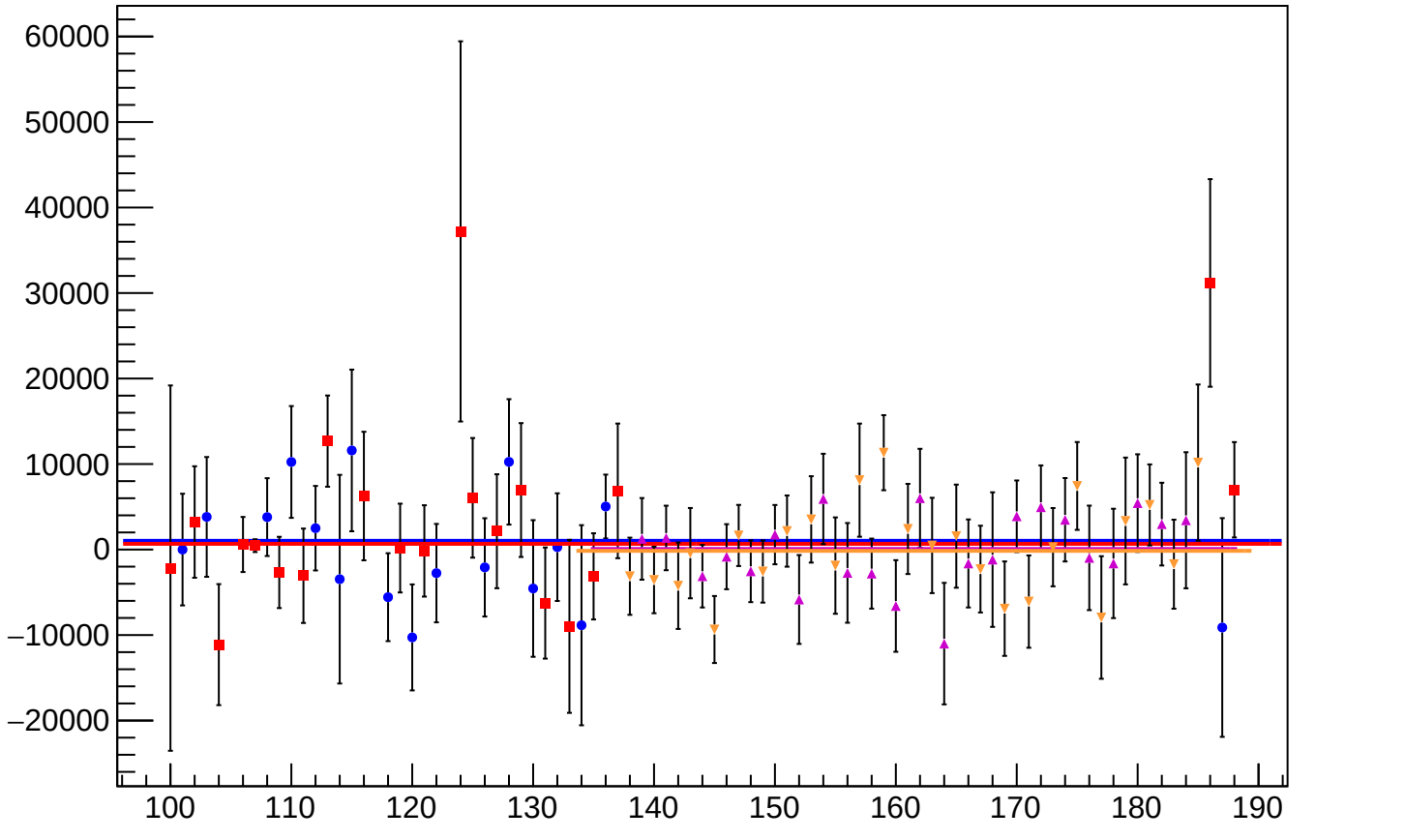
Left: 1720.992+/-0.198 χ^2/NDF: 119539.0/47

Right: 1876.735+/-0.333 χ^2/NDF: 510524.9/37

In: 1765.166+/-0.247 χ^2/NDF:337567.1/39

Out: 1758.694+/-0.236 χ^2/NDF:453684.6/45

All: 1761.781+/-0.170 χ^2/NDF: 791611.7/85



Right In: 1019.438+/-1501.765 χ^2/NDF: 14.3/16

Left Out: -150.169+/-984.984 χ^2/NDF:26.9/24

Right Out: 670.722+/-653.022 χ^2/NDF: 24.6/20

Left In: 65.169+/-1000.106 χ^2/NDF:14.0/22

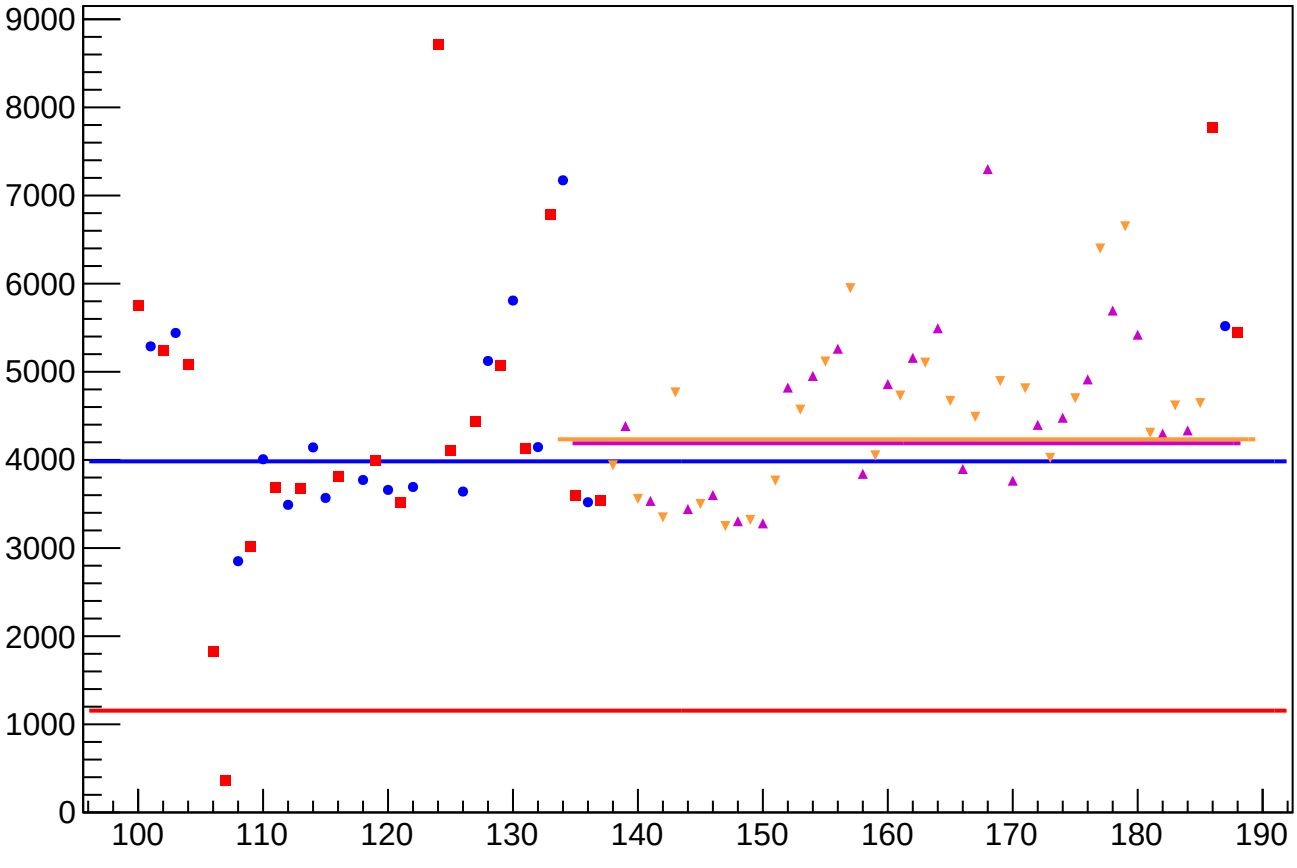
Left: -44.140+/-701.774 χ^2/NDF: 40.9/47

Right: 726.173+/-598.855 χ^2/NDF: 38.9/37

In: 358.356+/-832.413 χ^2/NDF:28.6/39

Out: 420.077+/-544.272 χ^2/NDF:52.0/45

All: 401.593+/-455.539 χ^2/NDF: 80.5/85



Right In: 3983.821+/-1.062 χ^2/NDF: 697536.1/16

Left Out: 4233.905+/-0.696 χ^2/NDF:1284783.2/24

Right Out: 1155.200+/-0.462 χ^2/NDF: 11363448.8/20

Left In: 4188.874+/-0.707 χ^2/NDF:1344602.0/22

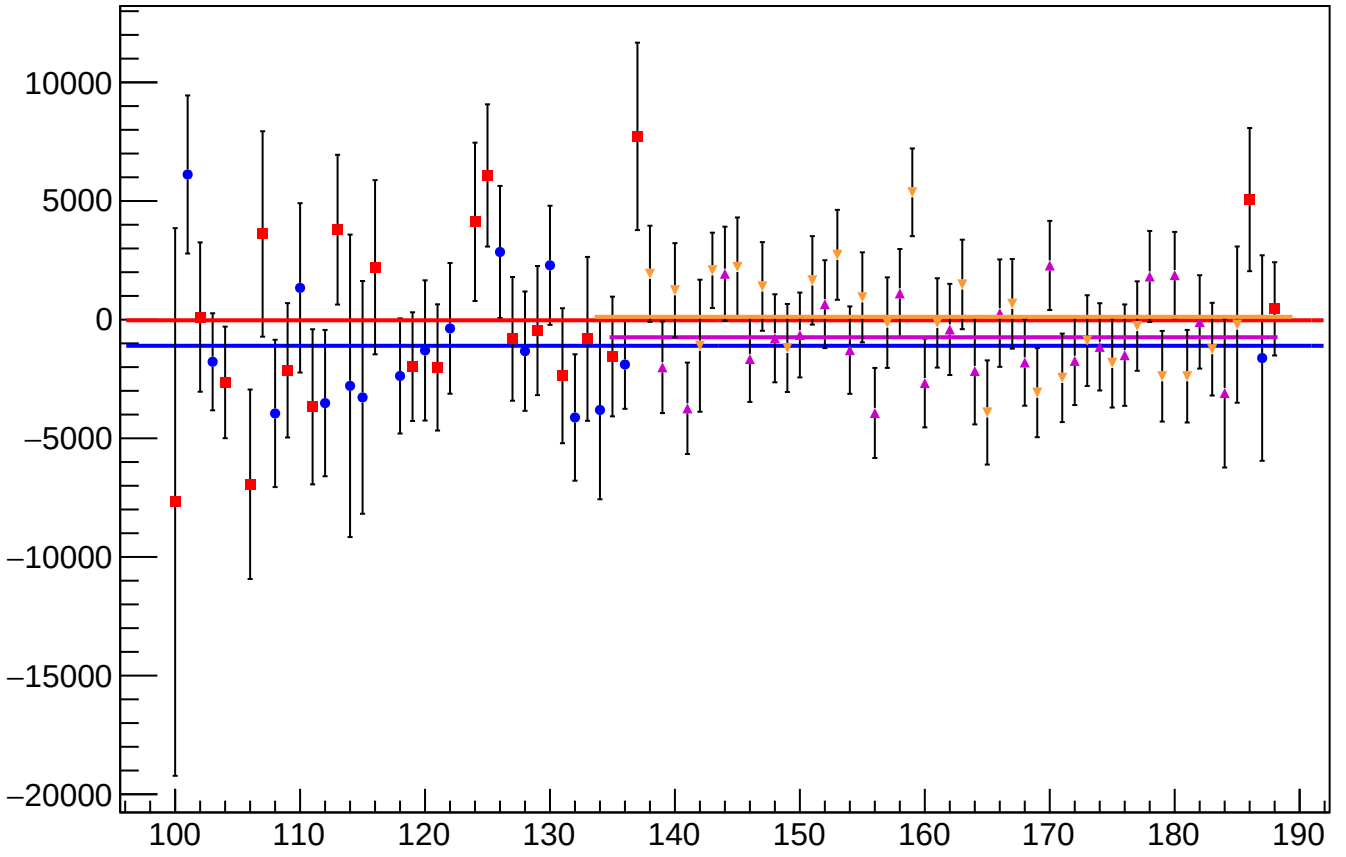
Left: 4211.733+/-0.496 χ^2/NDF: 2631443.5/47

Right: 1604.995+/-0.423 χ^2/NDF: 18028085.8/37

In: 4125.874+/-0.589 χ^2/NDF:2067969.3/39

Out: 2095.230+/-0.385 χ^2/NDF:26221496.8/45

All: 2703.375+/-0.322 χ^2/NDF: 36627017.9/8



Right In: -1101.219+/-690.623 χ^2/NDF: 13.2/16

Left Out: 119.962+/-389.458 χ^2/NDF:29.7/24

Right Out: -26.380+/-643.927 χ^2/NDF: 24.0/20

Left In: -741.189+/-404.161 χ^2/NDF:19.0/22

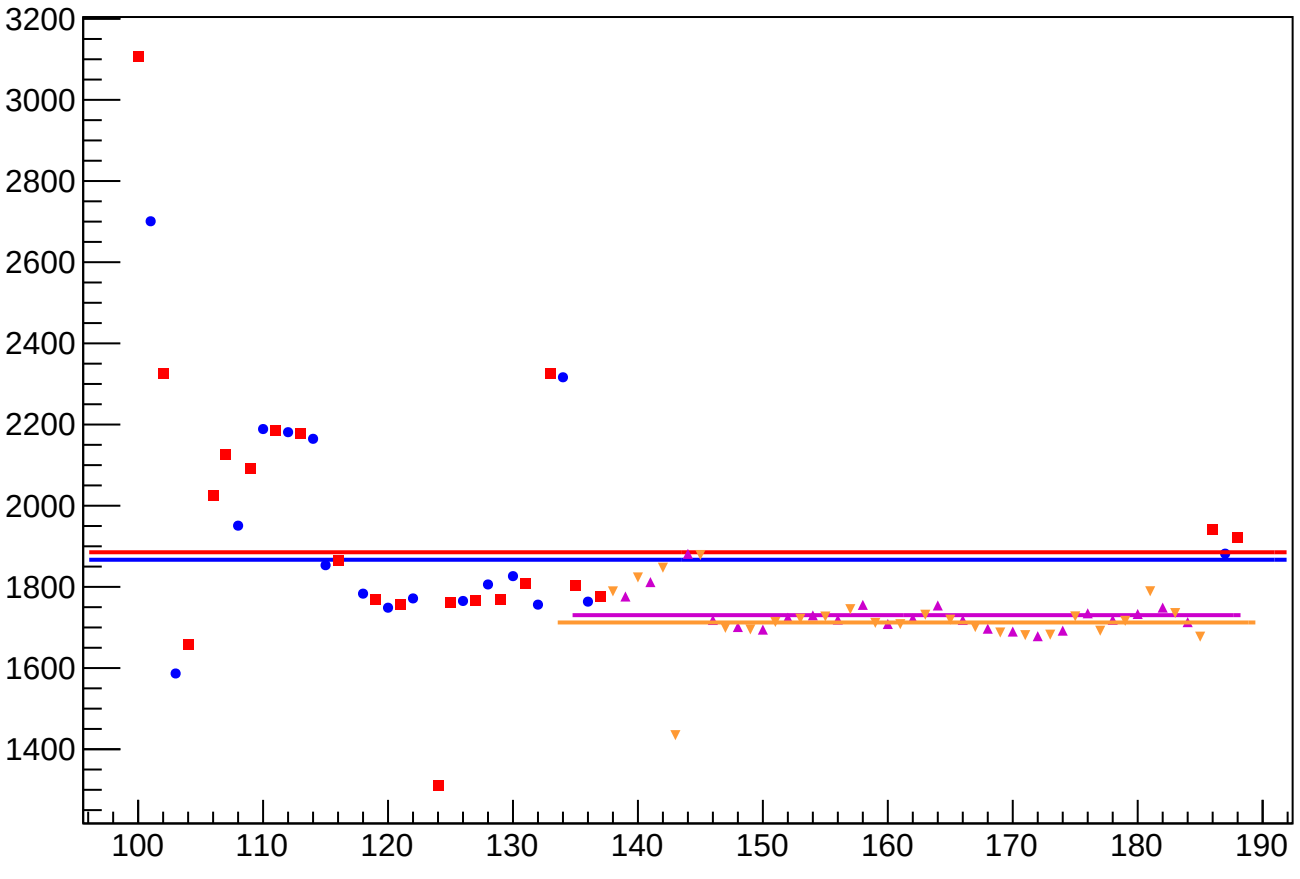
Left: -294.666+/-280.442 χ^2/NDF: 51.1/47

Right: -526.237+/-470.969 χ^2/NDF: 38.4/37

In: -833.035+/-348.820 χ^2/NDF:32.4/39

Out: 80.767+/-333.247 χ^2/NDF:53.7/45

All: -355.281+/-240.959 χ^2/NDF: 89.7/85



Right In: 1866.849+/-0.488 χ^2/NDF: 256287.1/16

Left Out: 1712.310+/-0.275 χ^2/NDF:94398.1/24

Right Out: 1885.316+/-0.455 χ^2/NDF: 253472.5/20

Left In: 1730.342+/-0.286 χ^2/NDF:23075.7/22

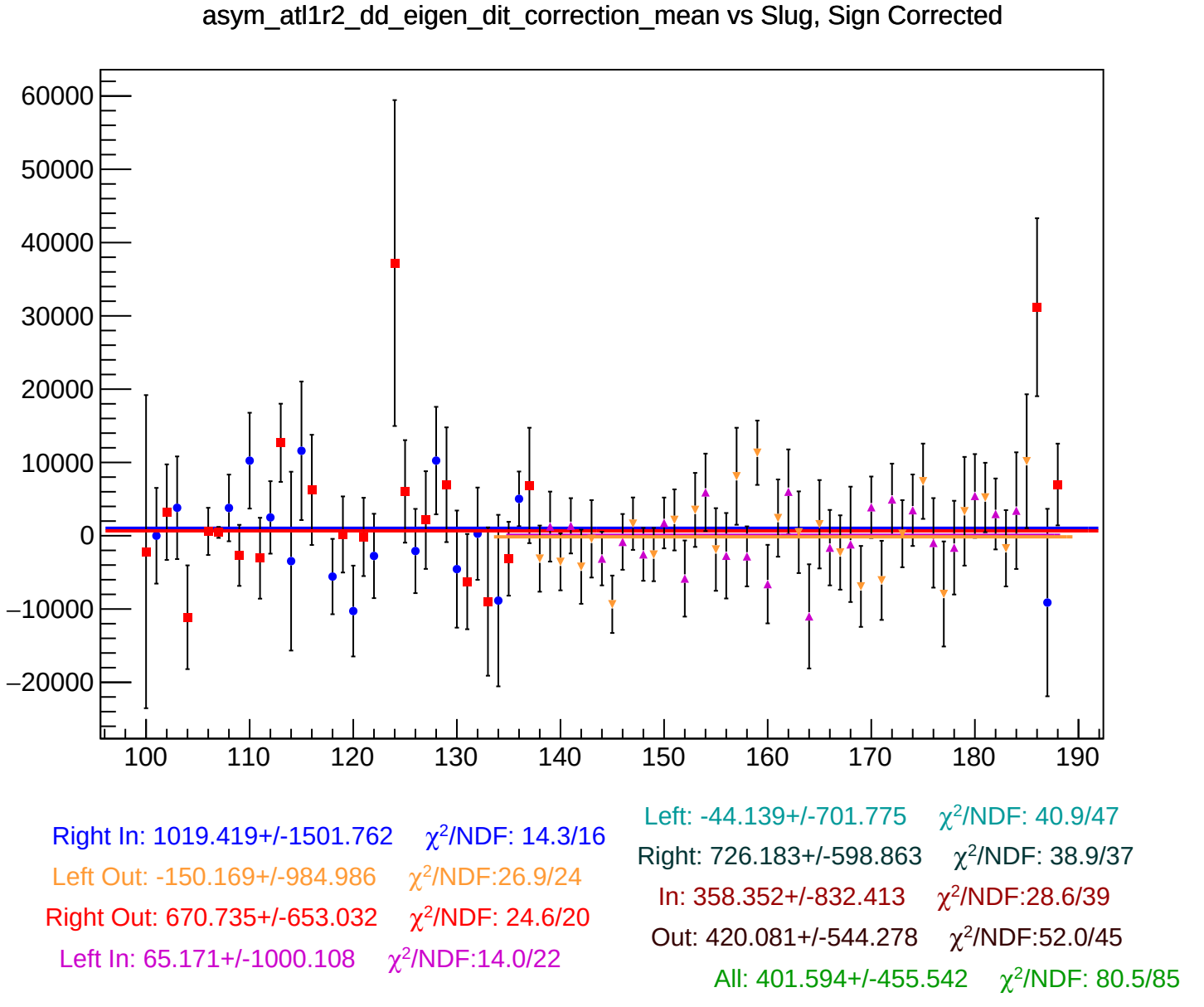
Left: 1720.992+/-0.198 χ^2/NDF: 119538.1/47

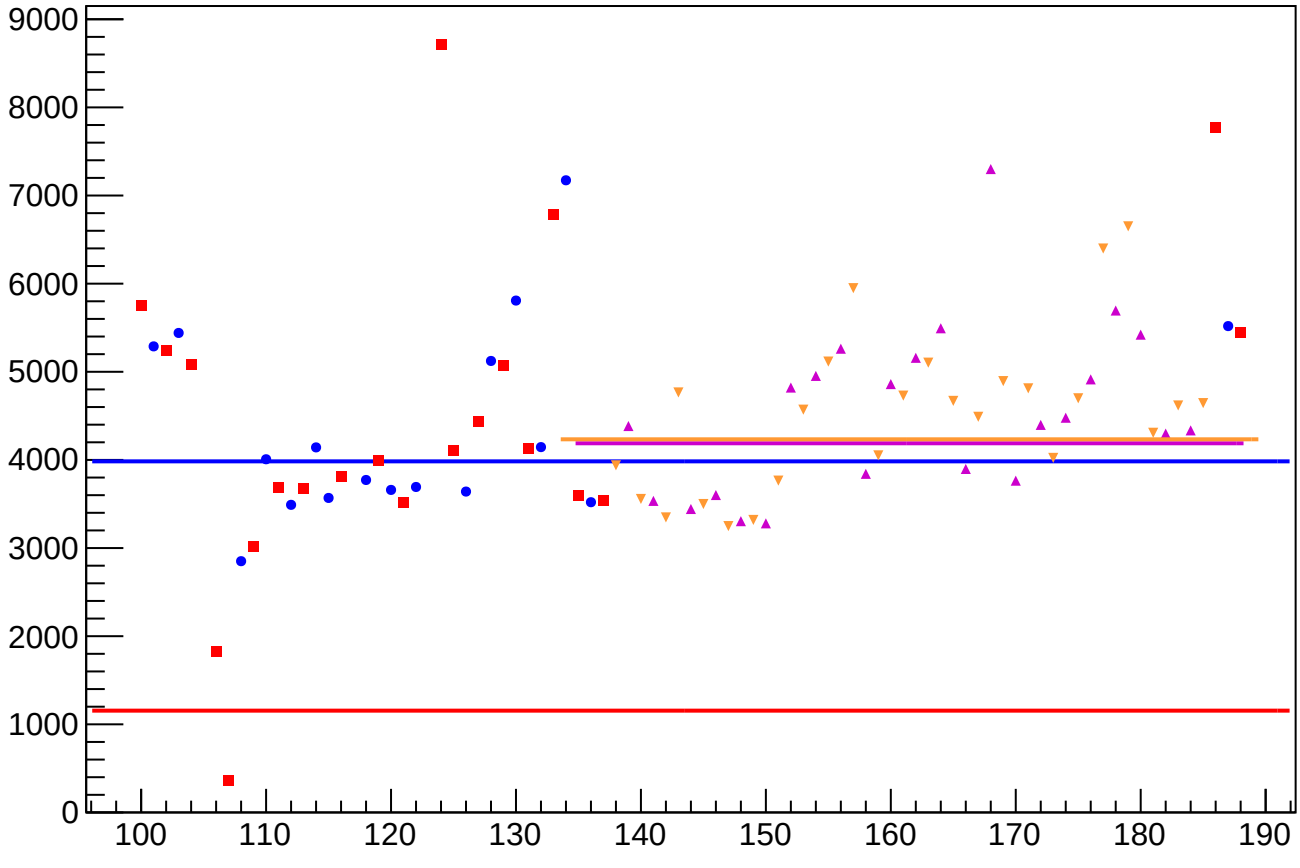
Right: 1876.734+/-0.333 χ^2/NDF: 510525.1/37

In: 1765.166+/-0.247 χ^2/NDF:337566.3/39

Out: 1758.694+/-0.236 χ^2/NDF:453683.2/45

All: 1761.782+/-0.170 χ^2/NDF: 791609.5/85


asym_atl1r2_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
60000
50000
40000
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
170
180
190
Right In: 1019.419+/-1501.762 χ²/NDF: 14.3/16
Left Out: -150.169+/-984.986 χ²/NDF:26.9/24
Right Out: 670.735+/-653.032 χ²/NDF: 24.6/20
Left In: 65.171+/-1000.108 χ²/NDF:14.0/22
Left: -44.139+/-701.775 χ²/NDF: 40.9/47
Right: 726.183+/-598.863 χ²/NDF: 38.9/37
In: 358.352+/-832.413 χ²/NDF:28.6/39
Out: 420.081+/-544.278 χ²/NDF:52.0/45
All: 401.594+/-455.542 χ²/NDF: 80.5/85



Right In: 3983.814+/-1.062 χ^2/NDF: 697533.0/16

Left Out: 4233.911+/-0.696 χ^2/NDF:1284785.6/24

Right Out: 1155.233+/-0.462 χ^2/NDF: 11363296.7/20

Left In: 4188.880+/-0.707 χ^2/NDF:1344607.0/22

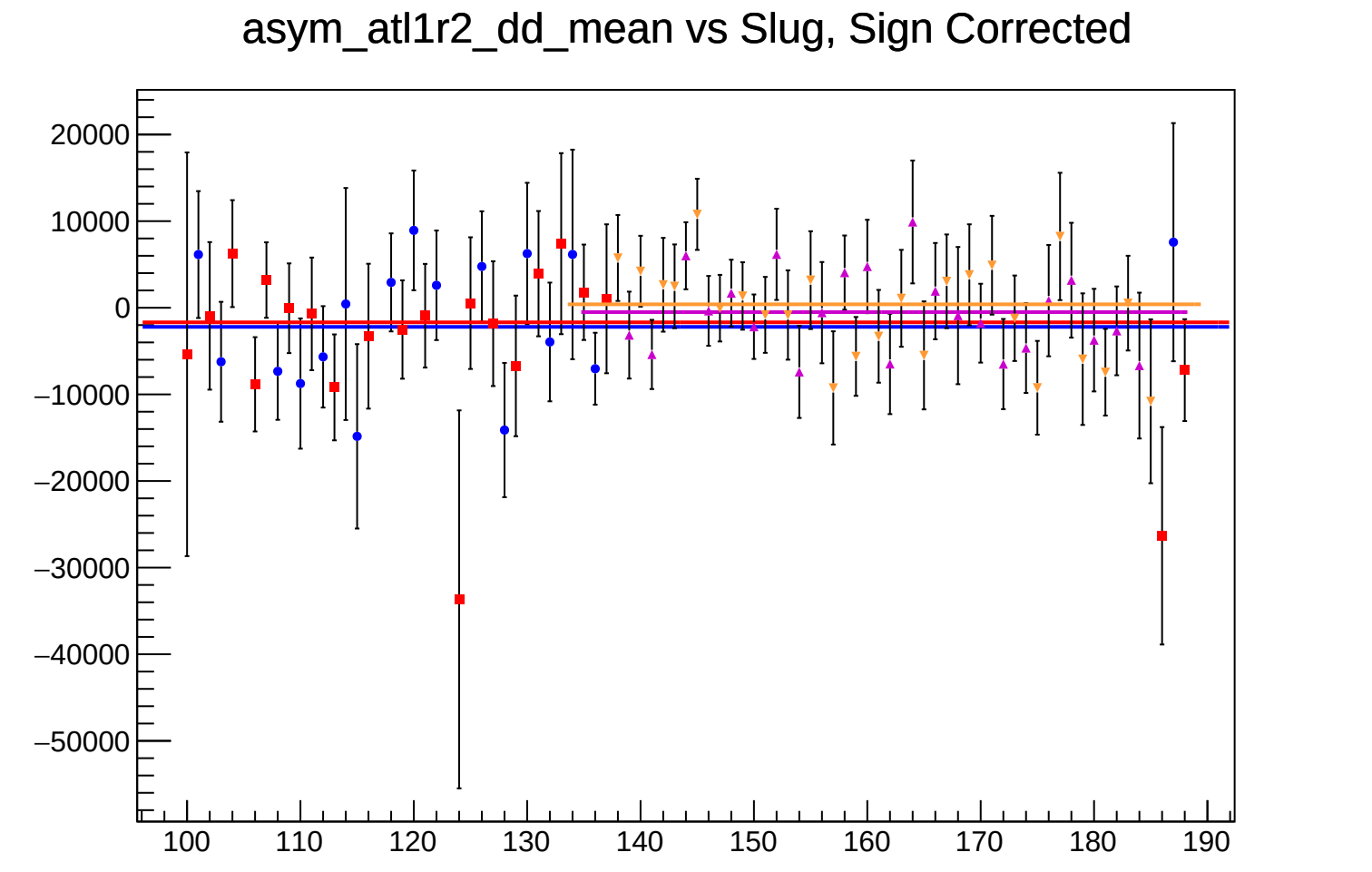
Left: 4211.738+/-0.496 χ^2/NDF: 2631450.8/47

Right: 1605.035+/-0.423 χ^2/NDF: 18027752.3/37

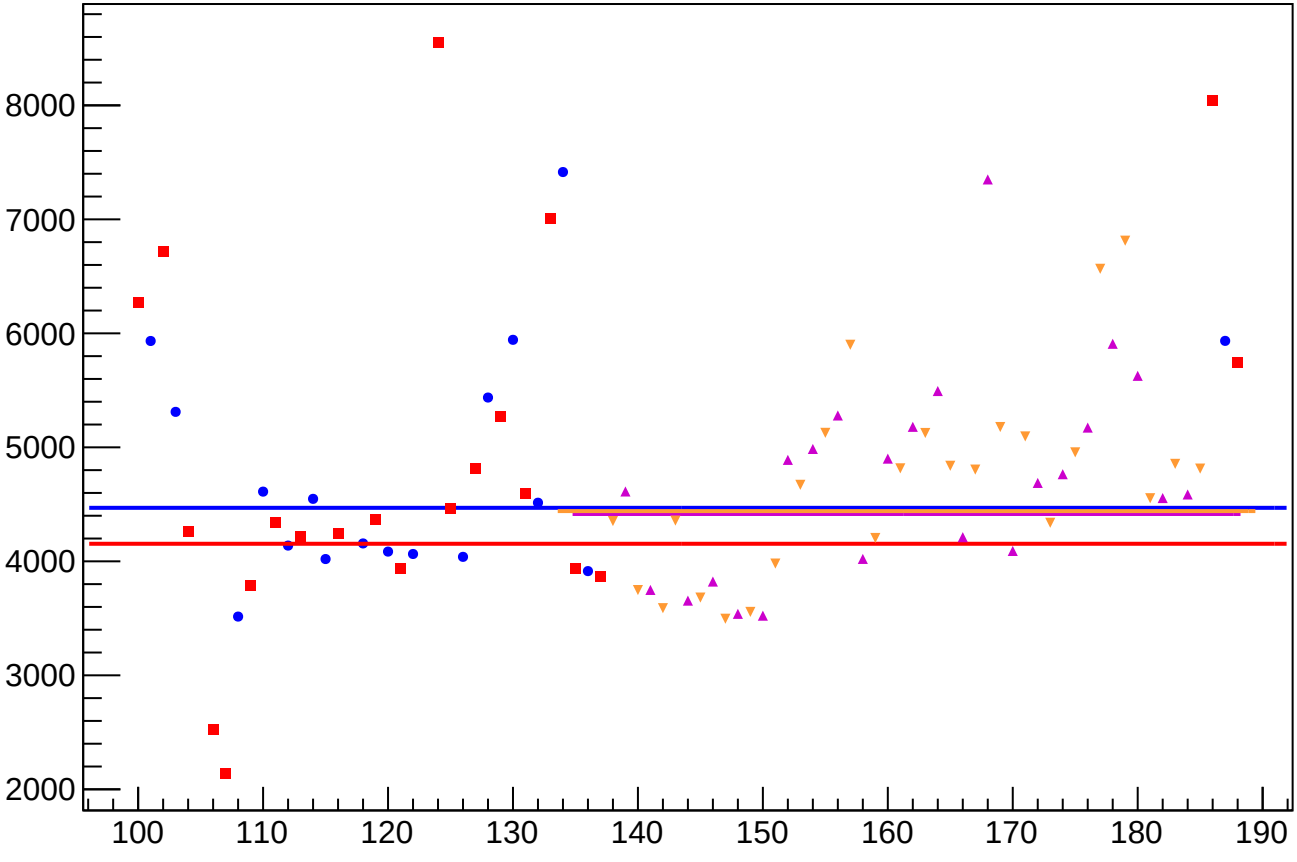
In: 4125.876+/-0.589 χ^2/NDF:2067974.3/39

Out: 2095.274+/-0.385 χ^2/NDF:26220949.2/45

All: 2703.416+/-0.322 χ^2/NDF: 36626067.4/8


asym_atl1r2_dd_mean vs Slug, Sign Corrected
20000
10000
0
−10000
−20000
−30000
−40000
−50000
100
110
120
130
140
150
160
170
180
190
Right In: -2207.972+/-1672.273 χ²/NDF: 16.1/16
Left Out: 398.336+/-1028.431 χ²/NDF:24.7/24
Right Out: -1680.966+/-1485.509 χ²/NDF: 15.6/20
Left In: -502.999+/-1049.682 χ²/NDF:17.3/22
Left: -43.115+/-734.609 χ²/NDF: 42.4/47
Right: -1913.409+/-1110.598 χ²/NDF: 31.7/37
In: -984.896+/-889.049 χ²/NDF:34.1/39
Out: -275.360+/-845.567 χ²/NDF:41.6/45
All: -612.353+/-612.702 χ²/NDF: 76.1/85

asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 4469.421+/-1.182 χ^2/NDF: 481290.8/16

Left Out: 4440.810+/-0.727 χ^2/NDF:1073119.1/24

Right Out: 4154.034+/-1.041 χ^2/NDF: 1505537.9/20

Left In: 4415.366+/-0.742 χ^2/NDF:1111411.1/22

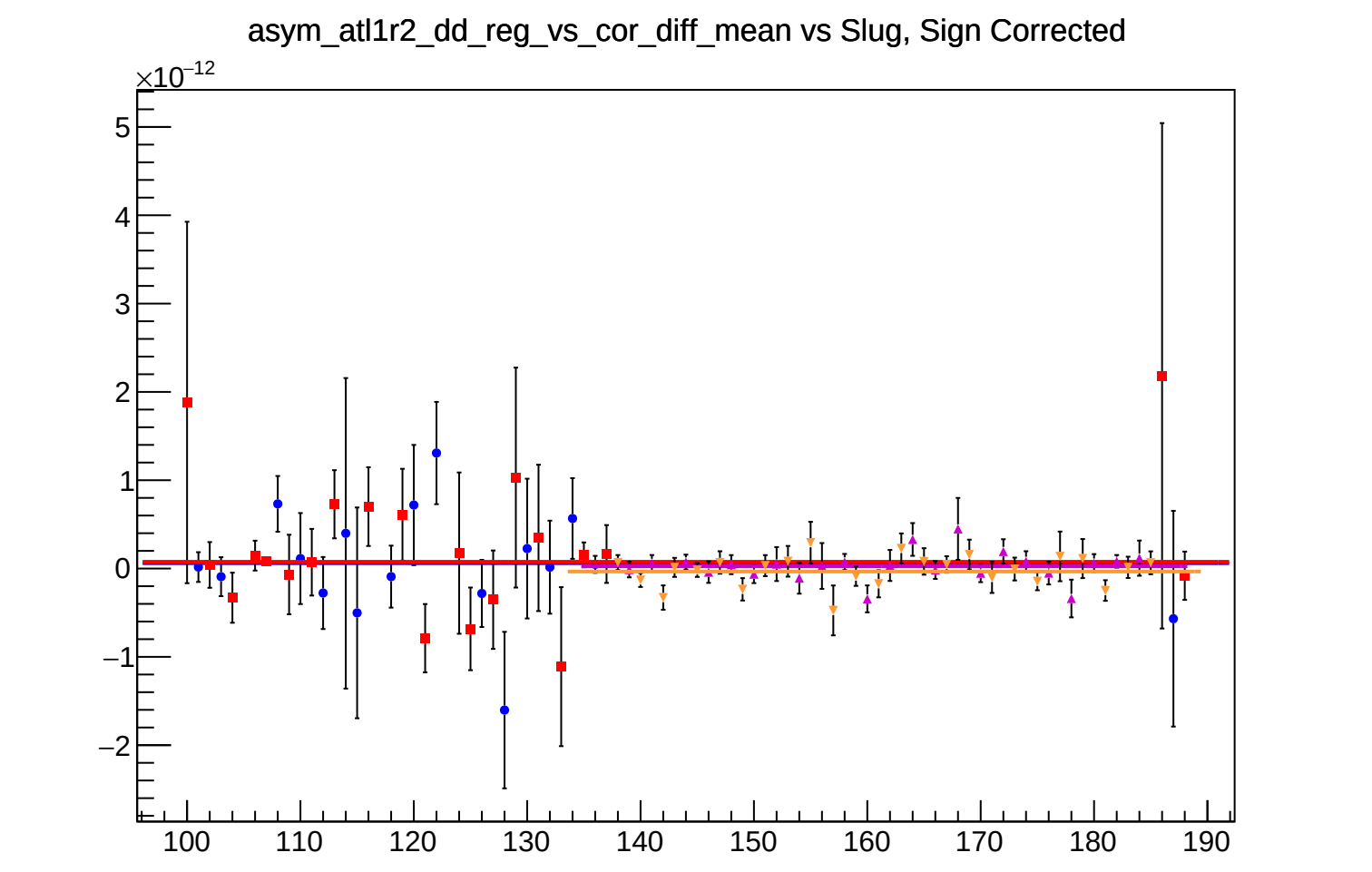
Left: 4428.348+/-0.519 χ^2/NDF: 2185129.8/47

Right: 4291.711+/-0.781 χ^2/NDF: 2026912.6/37

In: 4430.644+/-0.629 χ^2/NDF:1594201.0/39

Out: 4346.735+/-0.596 χ^2/NDF:2629671.6/45

All: 4386.462+/-0.433 χ^2/NDF: 4233253.2/85



Right In: 0.000+/-0.000 χ^2/NDF: 17.7/16

Left Out: -0.000+/-0.000 χ^2/NDF:28.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 20.9/20

Left In: 0.000+/-0.000 χ^2/NDF:19.3/22

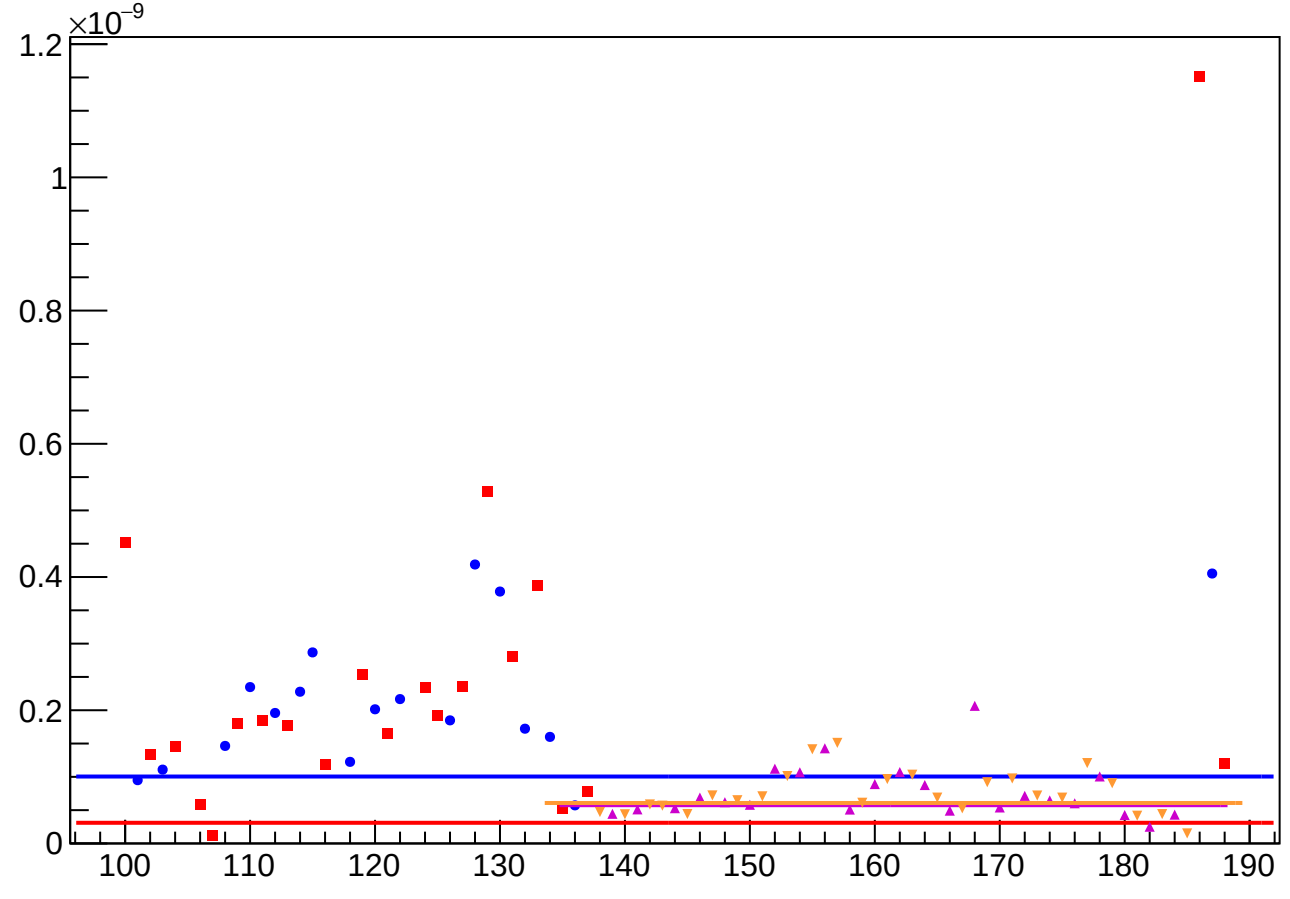
Left: -0.000+/-0.000 χ^2/NDF: 50.6/47

Right: 0.000+/-0.000 χ^2/NDF: 38.7/37

In: 0.000+/-0.000 χ^2/NDF:37.2/39

Out: 0.000+/-0.000 χ^2/NDF:56.6/45

All: 0.000+/-0.000 χ^2/NDF: 94.5/85



Right In: 0.000+/-0.000 χ^2/NDF: 1687842.4/16

Left Out: 0.000+/-0.000 χ^2/NDF:1723737.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4886226.6/20

Left In: 0.000+/-0.000 χ^2/NDF:1878360.3/22

Left: 0.000+/-0.000 χ^2/NDF: 3620409.0/47

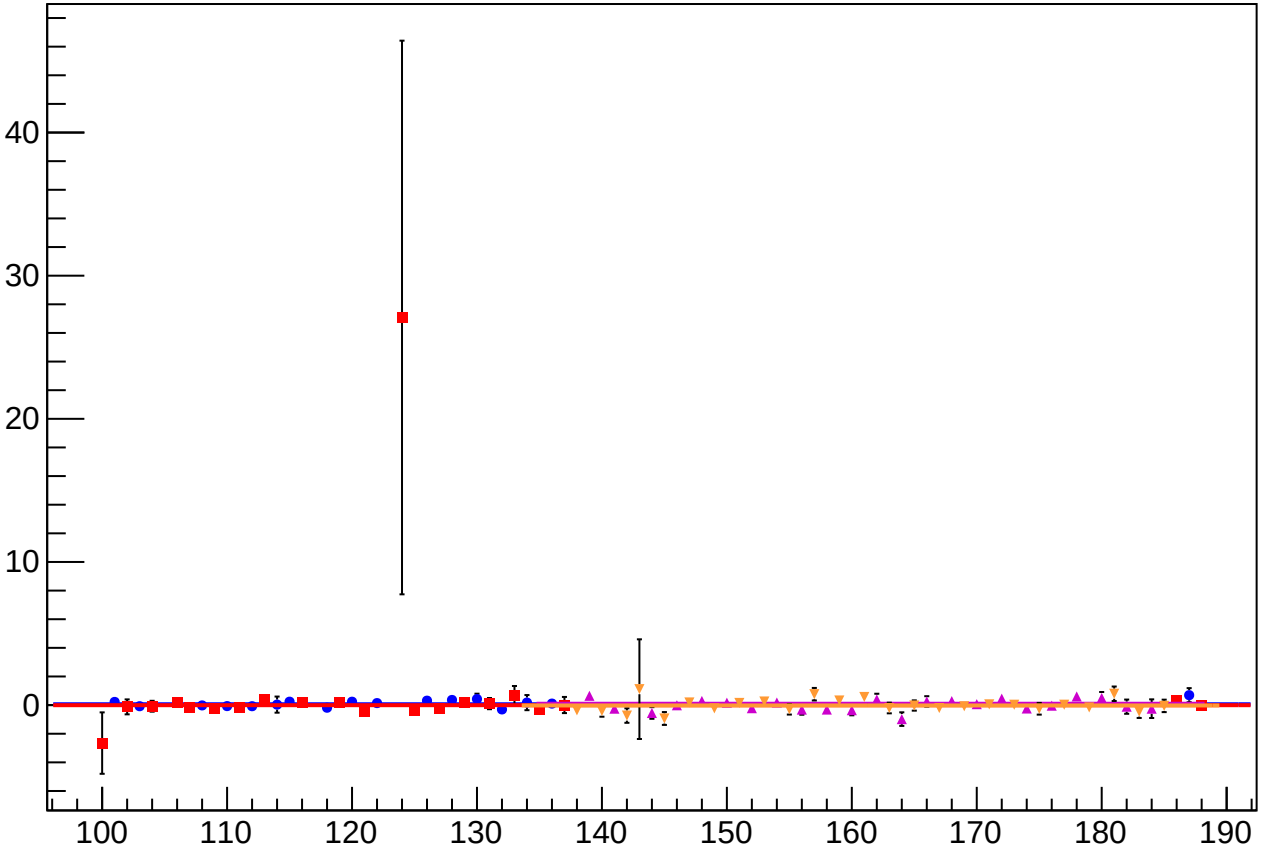
Right: 0.000+/-0.000 χ^2/NDF: 8262946.8/37

In: 0.000+/-0.000 χ^2/NDF:4275545.4/39

Out: 0.000+/-0.000 χ^2/NDF:7651081.0/45

All: 0.000+/-0.000 χ^2/NDF: 12253517.4/85

asym_atl1r2_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.060+/-0.066 χ^2/NDF: 9.3/16

Left Out: -0.024+/-0.062 χ^2/NDF:23.5/24

Right Out: -0.006+/-0.054 χ^2/NDF: 24.1/20

Left In: 0.095+/-0.063 χ^2/NDF:31.5/22

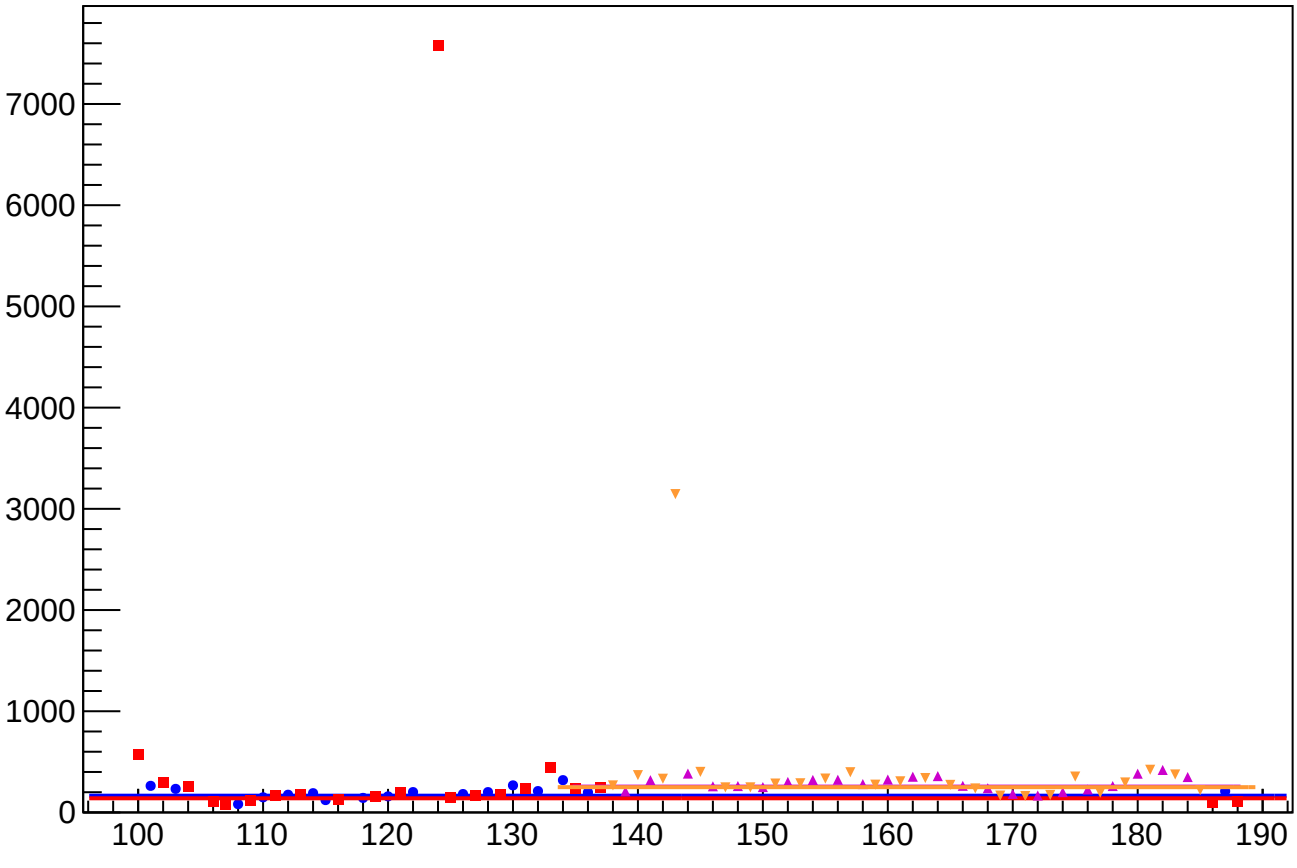
Left: 0.034+/-0.044 χ^2/NDF: 56.9/47

Right: 0.021+/-0.042 χ^2/NDF: 34.0/37

In: 0.078+/-0.046 χ^2/NDF:41.0/39

Out: -0.013+/-0.040 χ^2/NDF:47.7/45

All: 0.027+/-0.030 χ^2/NDF: 90.9/85



Right In: 165.674+/-0.047 χ^2/NDF: 1491436.5/16

Left Out: 249.848+/-0.044 χ^2/NDF:4234507.4/24

Right Out: 139.866+/-0.038 χ^2/NDF: 2264692.4/20

Left In: 255.299+/-0.045 χ^2/NDF:2111552.0/22

Left: 252.513+/-0.031 χ^2/NDF: 6353711.9/47

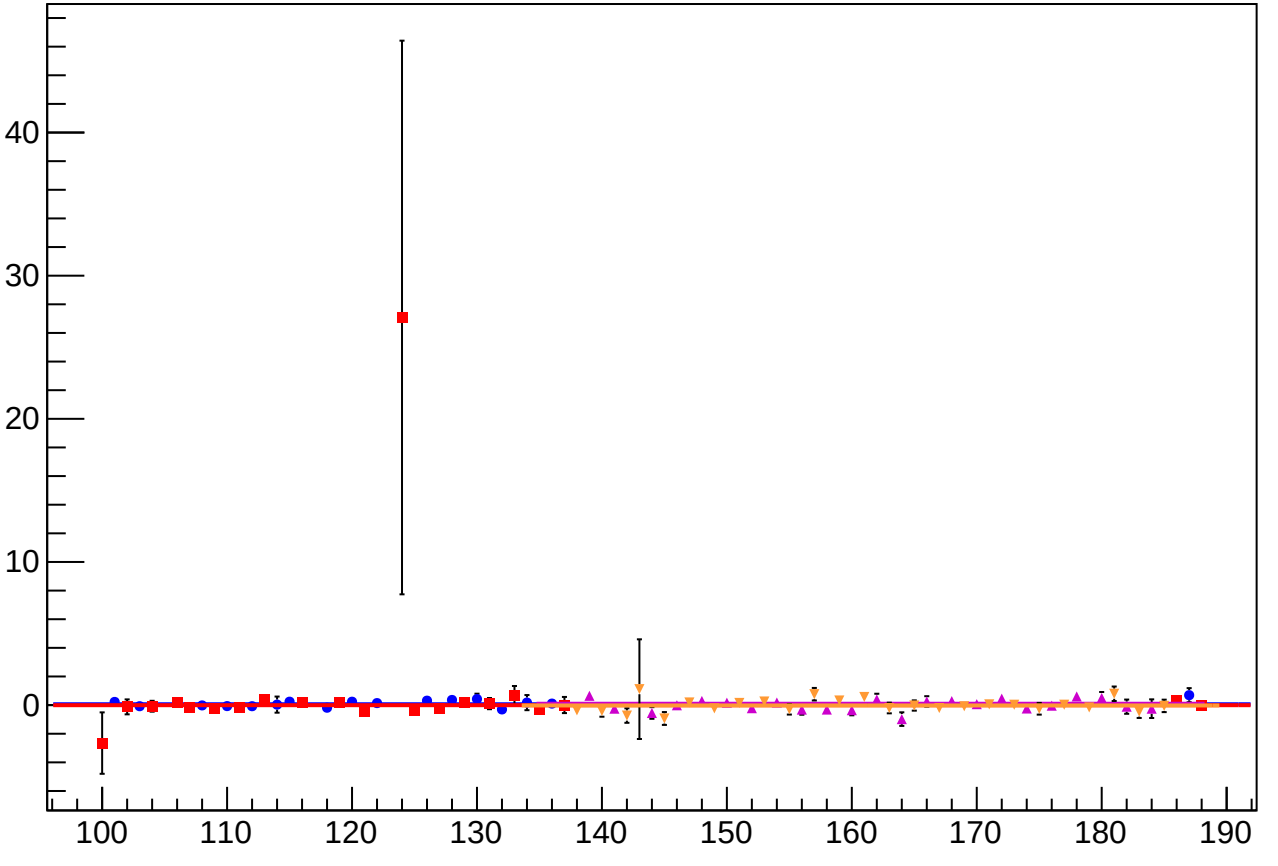
Right: 150.177+/-0.029 χ^2/NDF: 3940832.7/37

In: 212.440+/-0.032 χ^2/NDF:5538556.4/39

Out: 187.319+/-0.029 χ^2/NDF:10121689.3/45

All: 198.414+/-0.021 χ^2/NDF: 16000499.4/85

asym_atl1r2_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.060+/-0.066 χ^2/NDF: 9.3/16

Left Out: -0.024+/-0.062 χ^2/NDF:23.5/24

Right Out: -0.006+/-0.054 χ^2/NDF: 24.1/20

Left In: 0.095+/-0.063 χ^2/NDF:31.5/22

Left: 0.034+/-0.044 χ^2/NDF: 56.9/47

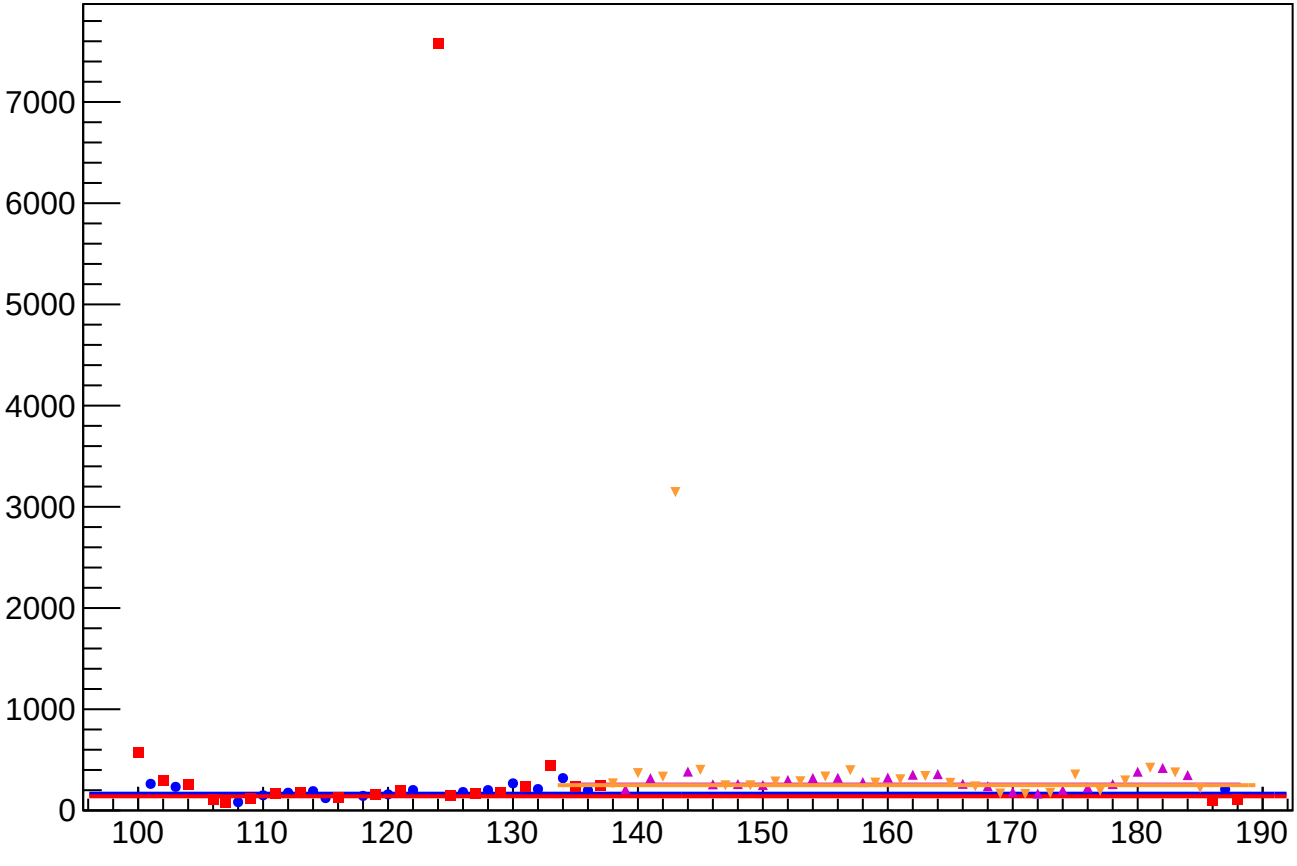
Right: 0.021+/-0.042 χ^2/NDF: 34.0/37

In: 0.078+/-0.046 χ^2/NDF:41.0/39

Out: -0.013+/-0.040 χ^2/NDF:47.7/45

All: 0.027+/-0.030 χ^2/NDF: 90.9/85

asym_atl1r2_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 165.674+/-0.047 χ^2/NDF: 1491436.5/16

Left Out: 249.848+/-0.044 χ^2/NDF:4234507.4/24

Right Out: 139.866+/-0.038 χ^2/NDF: 2264692.4/20

Left In: 255.299+/-0.045 χ^2/NDF:2111552.0/22

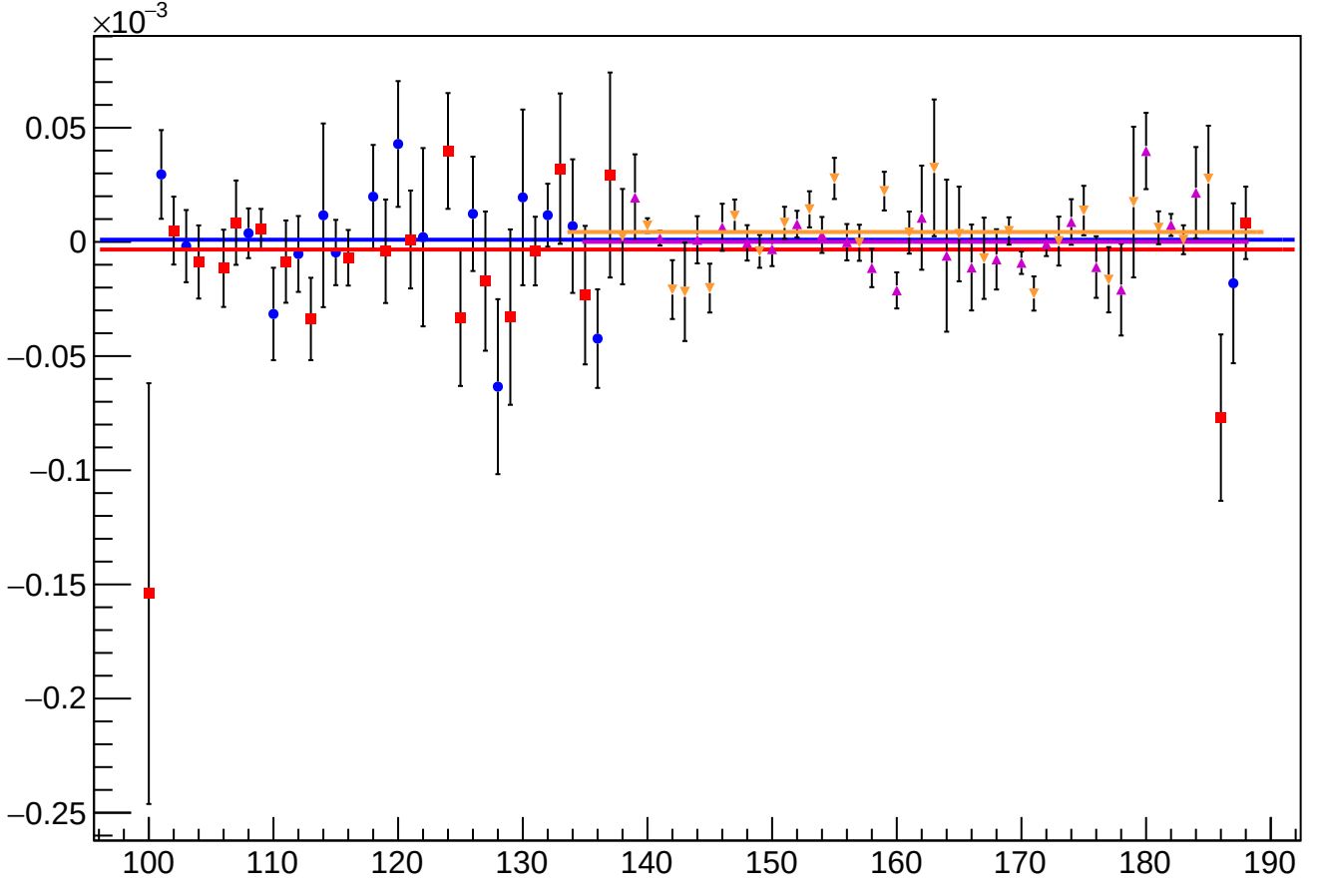
Left: 252.513+/-0.031 χ^2/NDF: 6353711.9/47

Right: 150.177+/-0.029 χ^2/NDF: 3940832.7/37

In: 212.440+/-0.032 χ^2/NDF:5538556.4/39

Out: 187.319+/-0.029 χ^2/NDF:10121689.3/45

All: 198.414+/-0.021 χ^2/NDF: 16000499.4/85



Right In: 0.000+/-0.000 χ^2/NDF: 16.4/16

Left Out: 0.000+/-0.000 χ^2/NDF:46.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 19.2/20

Left In: 0.000+/-0.000 χ^2/NDF:29.0/22

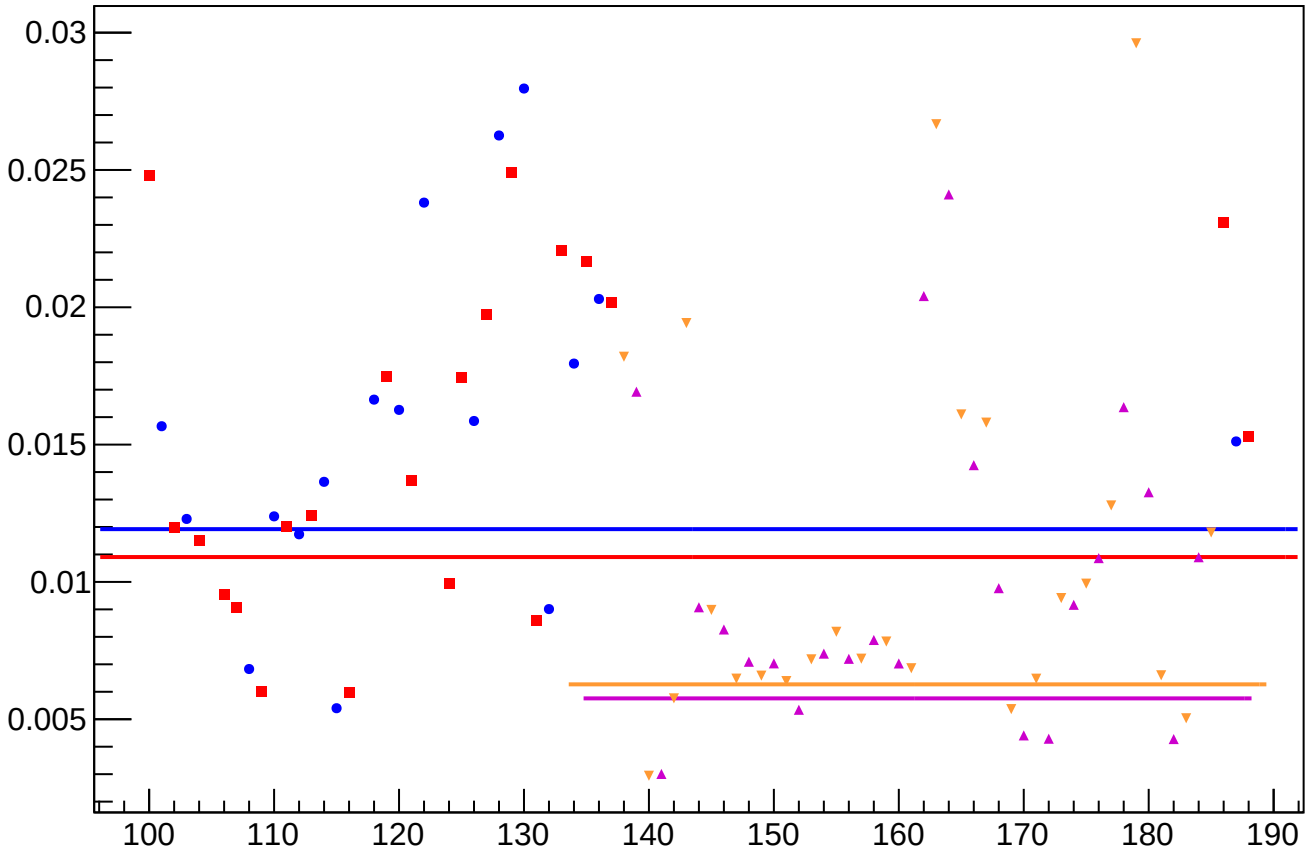
Left: 0.000+/-0.000 χ^2/NDF: 78.6/47

Right: -0.000+/-0.000 χ^2/NDF: 36.1/37

In: 0.000+/-0.000 χ^2/NDF:45.5/39

Out: 0.000+/-0.000 χ^2/NDF:68.3/45

All: 0.000+/-0.000 χ^2/NDF: 115.9/85



Right In: 0.012+/-0.000 χ^2/NDF: 2424146.6/16

Left Out: 0.006+/-0.000 χ^2/NDF:7909965.6/24

Right Out: 0.011+/-0.000 χ^2/NDF: 2757896.9/20

Left In: 0.006+/-0.000 χ^2/NDF:7081814.9/22

Left: 0.006+/-0.000 χ^2/NDF: 15091688.1/47

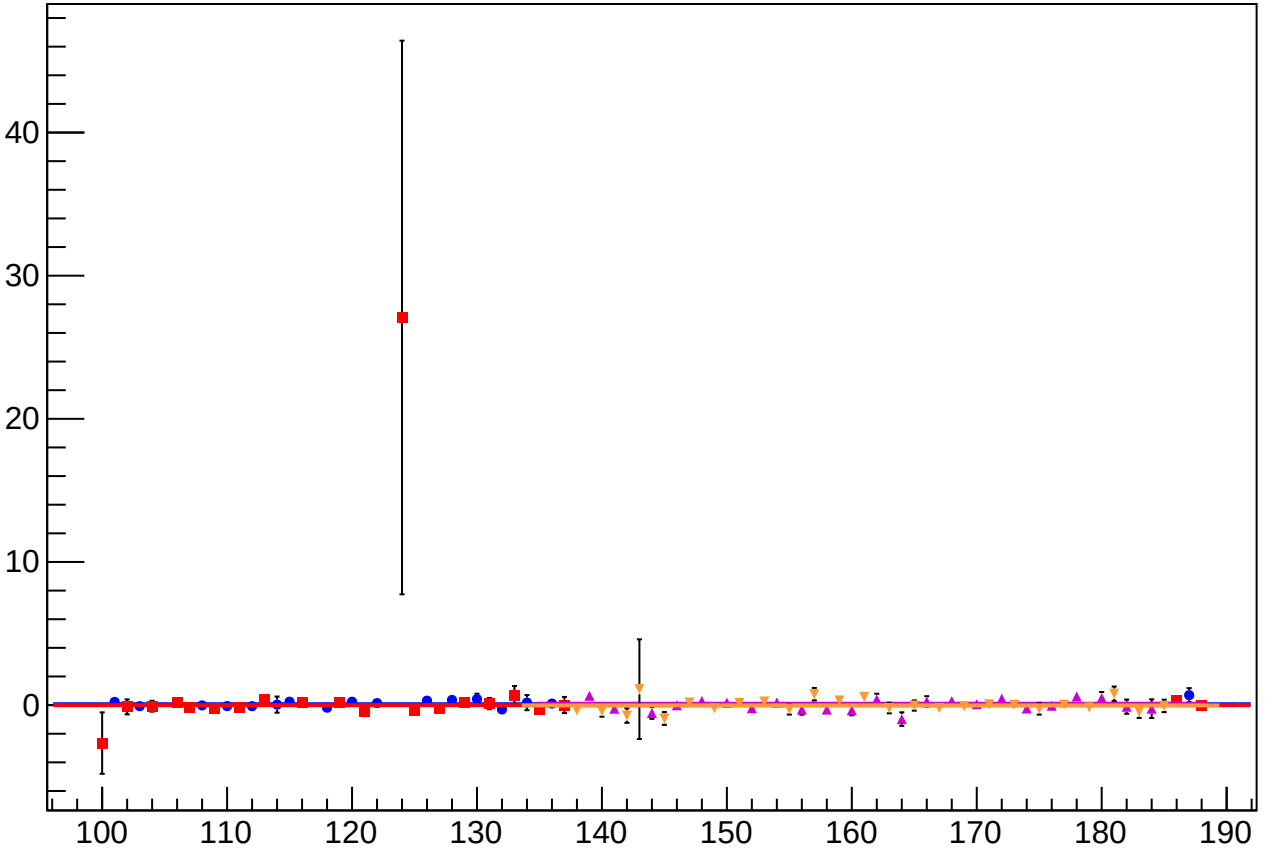
Right: 0.011+/-0.000 χ^2/NDF: 5233865.3/37

In: 0.006+/-0.000 χ^2/NDF:12449609.4/39

Out: 0.007+/-0.000 χ^2/NDF:12896708.8/45

All: 0.007+/-0.000 χ^2/NDF: 25487316.5/85

asym_atl1r2_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.060+/-0.066 χ^2/NDF: 9.3/16

Left Out: -0.024+/-0.062 χ^2/NDF:23.5/24

Right Out: -0.006+/-0.054 χ^2/NDF: 24.1/20

Left In: 0.095+/-0.063 χ^2/NDF:31.5/22

Left: 0.034+/-0.044 χ^2/NDF: 56.9/47

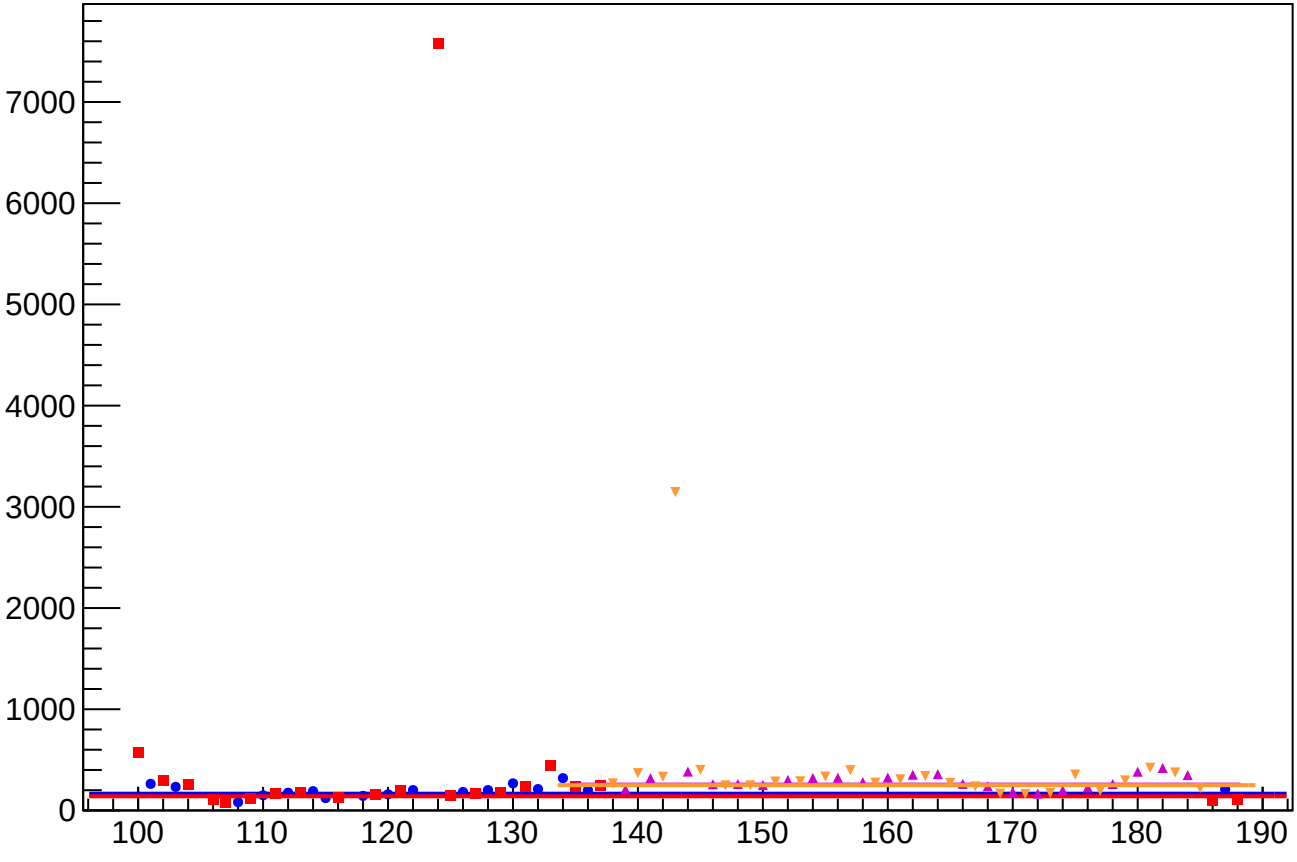
Right: 0.021+/-0.042 χ^2/NDF: 34.0/37

In: 0.078+/-0.046 χ^2/NDF:41.0/39

Out: -0.013+/-0.040 χ^2/NDF:47.7/45

All: 0.027+/-0.030 χ^2/NDF: 90.9/85

asym_atl1r2_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 165.674+/-0.047 χ^2/NDF: 1491407.5/16

Left Out: 249.850+/-0.044 χ^2/NDF:4234600.7/24

Right Out: 139.868+/-0.038 χ^2/NDF: 2264615.7/20

Left In: 255.302+/-0.045 χ^2/NDF:2111585.0/22

Left: 252.515+/-0.031 χ^2/NDF: 6353840.1/47

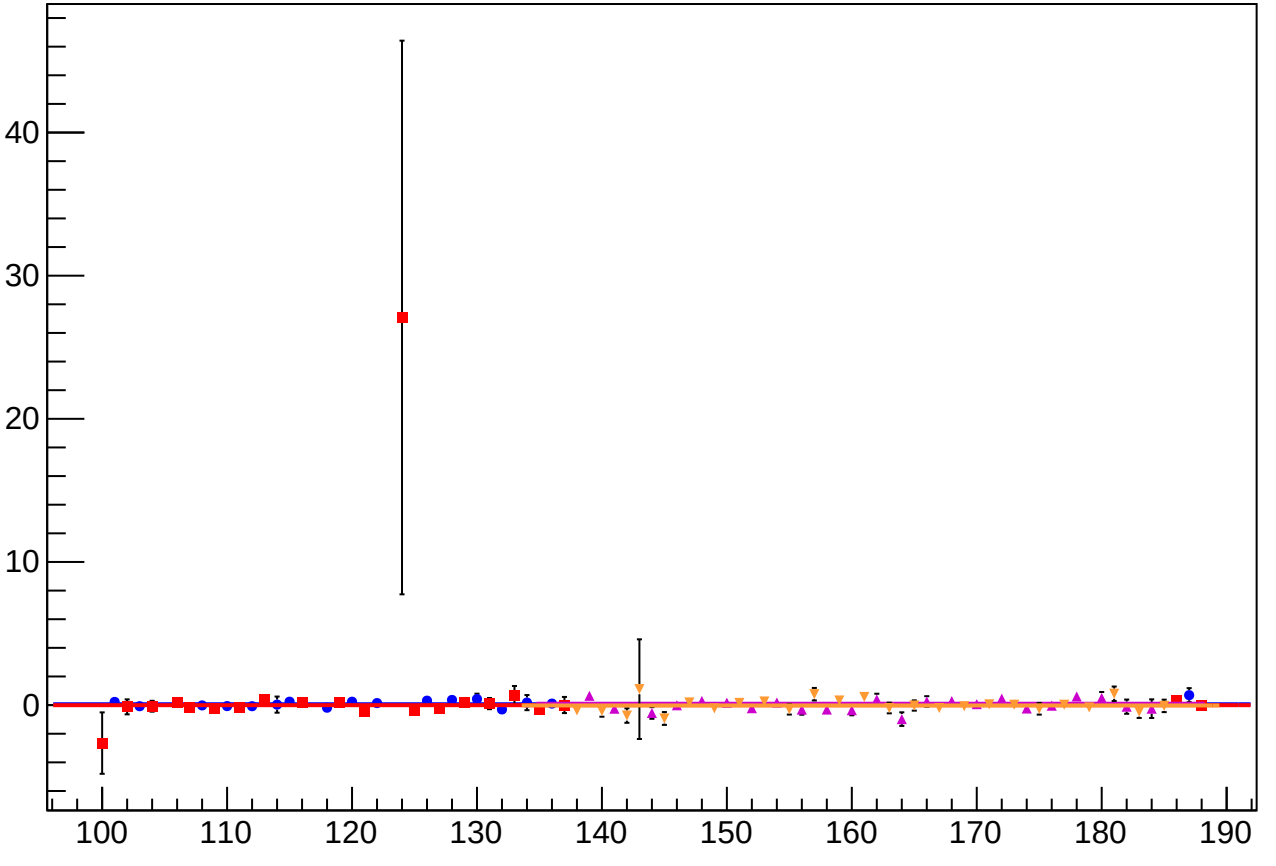
Right: 150.178+/-0.029 χ^2/NDF: 3940688.5/37

In: 212.440+/-0.032 χ^2/NDF:5538662.8/39

Out: 187.322+/-0.029 χ^2/NDF:10121586.1/45

All: 198.415+/-0.021 χ^2/NDF: 16000448.7/85

asym_atl1r2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.060+/-0.066 χ^2/NDF: 9.3/16

Left Out: -0.024+/-0.062 χ^2/NDF:23.5/24

Right Out: -0.006+/-0.054 χ^2/NDF: 24.1/20

Left In: 0.095+/-0.063 χ^2/NDF:31.5/22

Left: 0.034+/-0.044 χ^2/NDF: 56.9/47

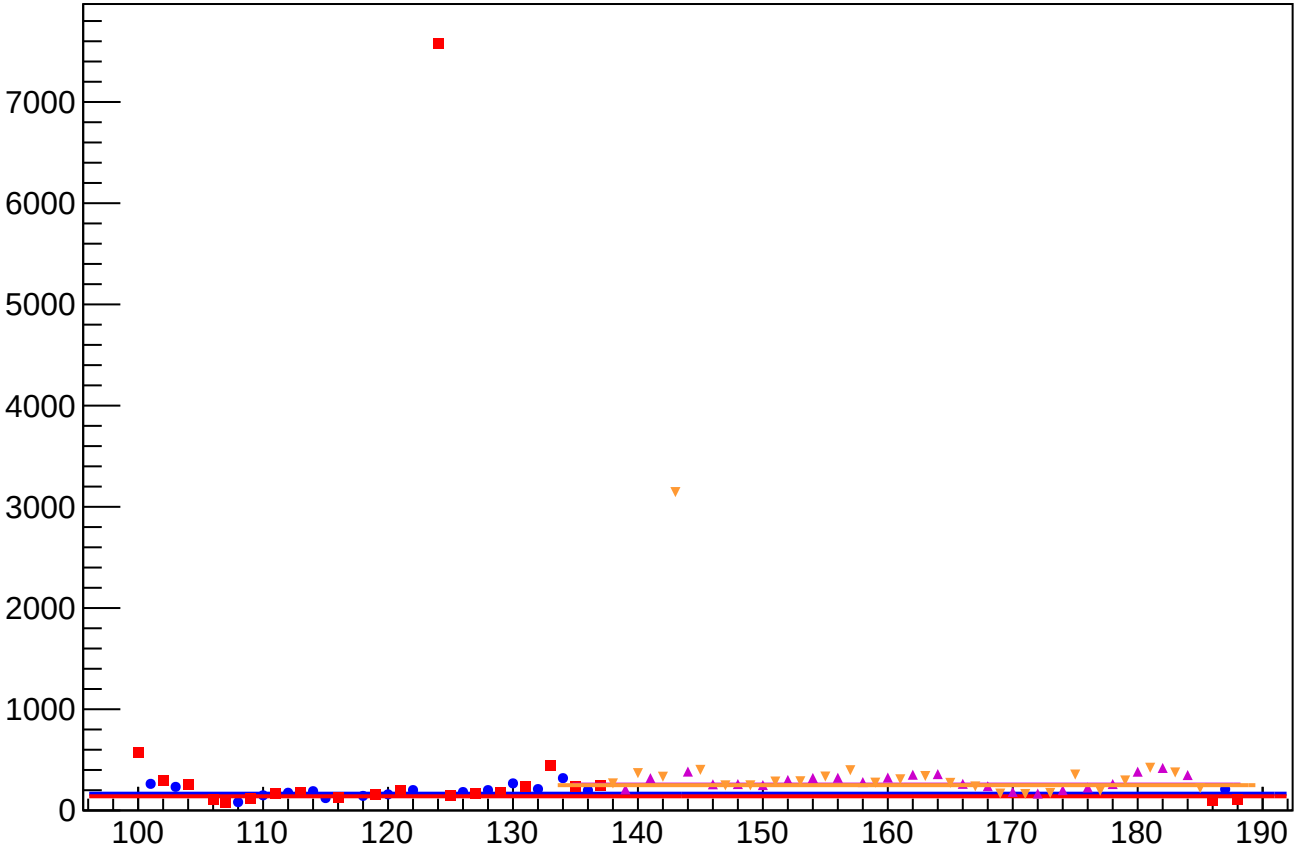
Right: 0.021+/-0.042 χ^2/NDF: 34.0/37

In: 0.078+/-0.046 χ^2/NDF:41.0/39

Out: -0.013+/-0.040 χ^2/NDF:47.7/45

All: 0.027+/-0.030 χ^2/NDF: 90.9/85

asym_atl1r2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 165.674+/-0.047 χ^2/NDF: 1491407.5/16

Left Out: 249.850+/-0.044 χ^2/NDF:4234600.7/24

Right Out: 139.868+/-0.038 χ^2/NDF: 2264615.7/20

Left In: 255.302+/-0.045 χ^2/NDF:2111585.0/22

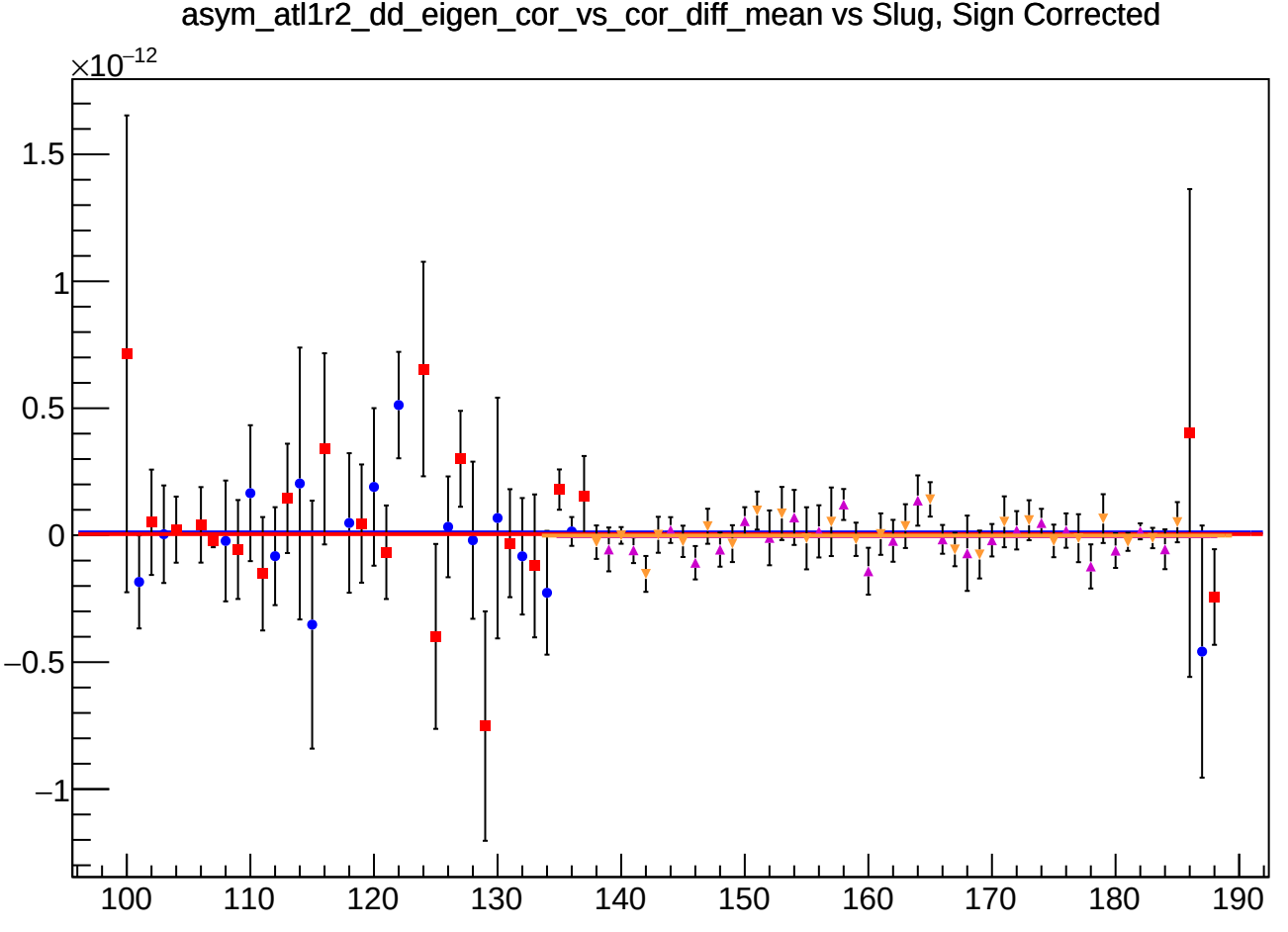
Left: 252.515+/-0.031 χ^2/NDF: 6353840.1/47

Right: 150.178+/-0.029 χ^2/NDF: 3940688.5/37

In: 212.440+/-0.032 χ^2/NDF:5538662.8/39

Out: 187.322+/-0.029 χ^2/NDF:10121586.1/45

All: 198.415+/-0.021 χ^2/NDF: 16000448.7/85



Right In: 0.000+/-0.000 χ^2/NDF: 10.5/16

Left Out: -0.000+/-0.000 χ^2/NDF:16.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 20.3/20

Left In: -0.000+/-0.000 χ^2/NDF:19.9/22

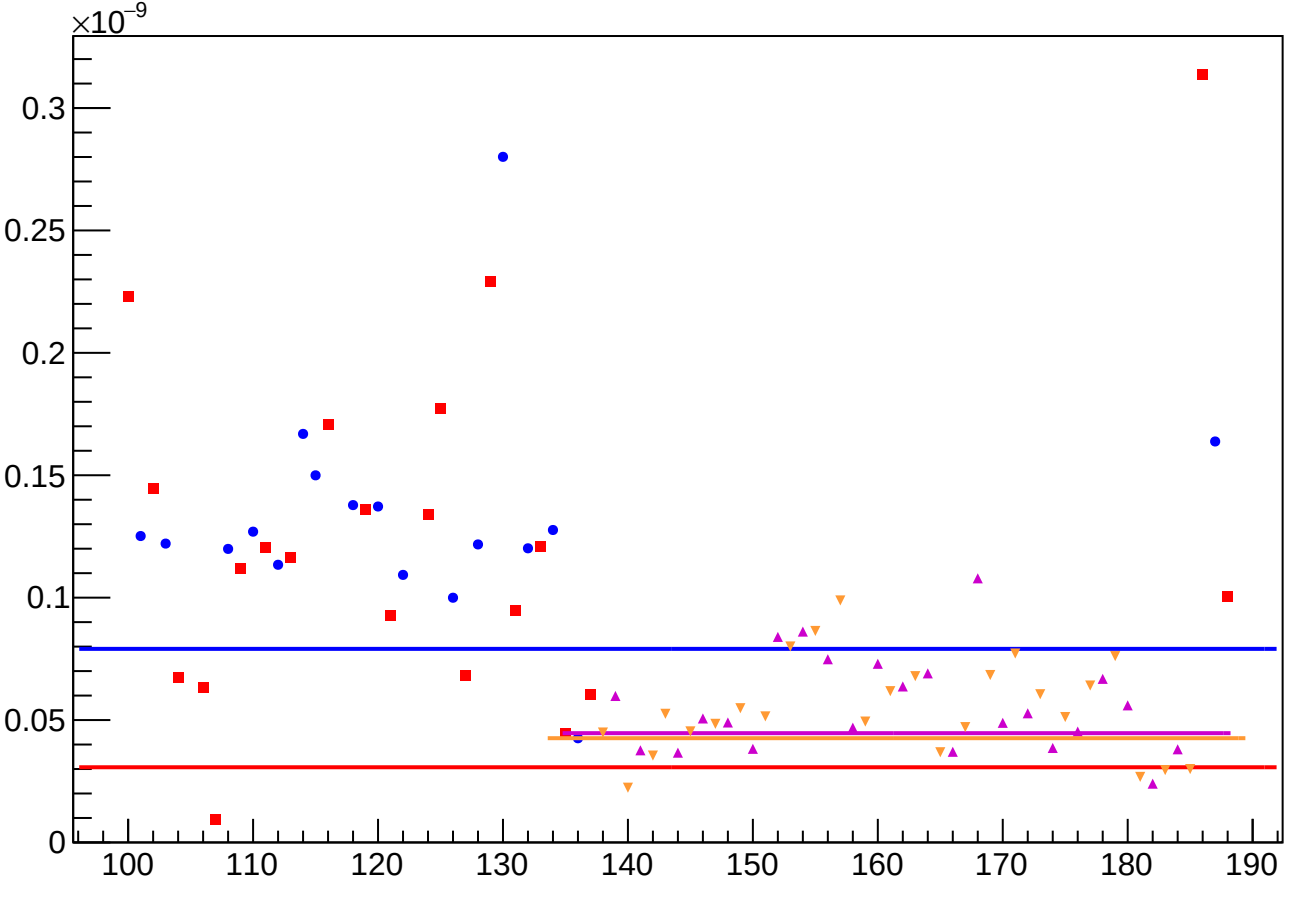
Left: -0.000+/-0.000 χ^2/NDF: 36.2/47

Right: 0.000+/-0.000 χ^2/NDF: 30.8/37

In: -0.000+/-0.000 χ^2/NDF:30.5/39

Out: -0.000+/-0.000 χ^2/NDF:36.7/45

All: -0.000+/-0.000 χ^2/NDF: 67.2/85



Right In: 0.000+/-0.000 χ^2/NDF: 2161705.3/16

Left Out: 0.000+/-0.000 χ^2/NDF:3648691.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5941300.2/20

Left In: 0.000+/-0.000 χ^2/NDF:2871089.5/22

Left: 0.000+/-0.000 χ^2/NDF: 6543796.8/47

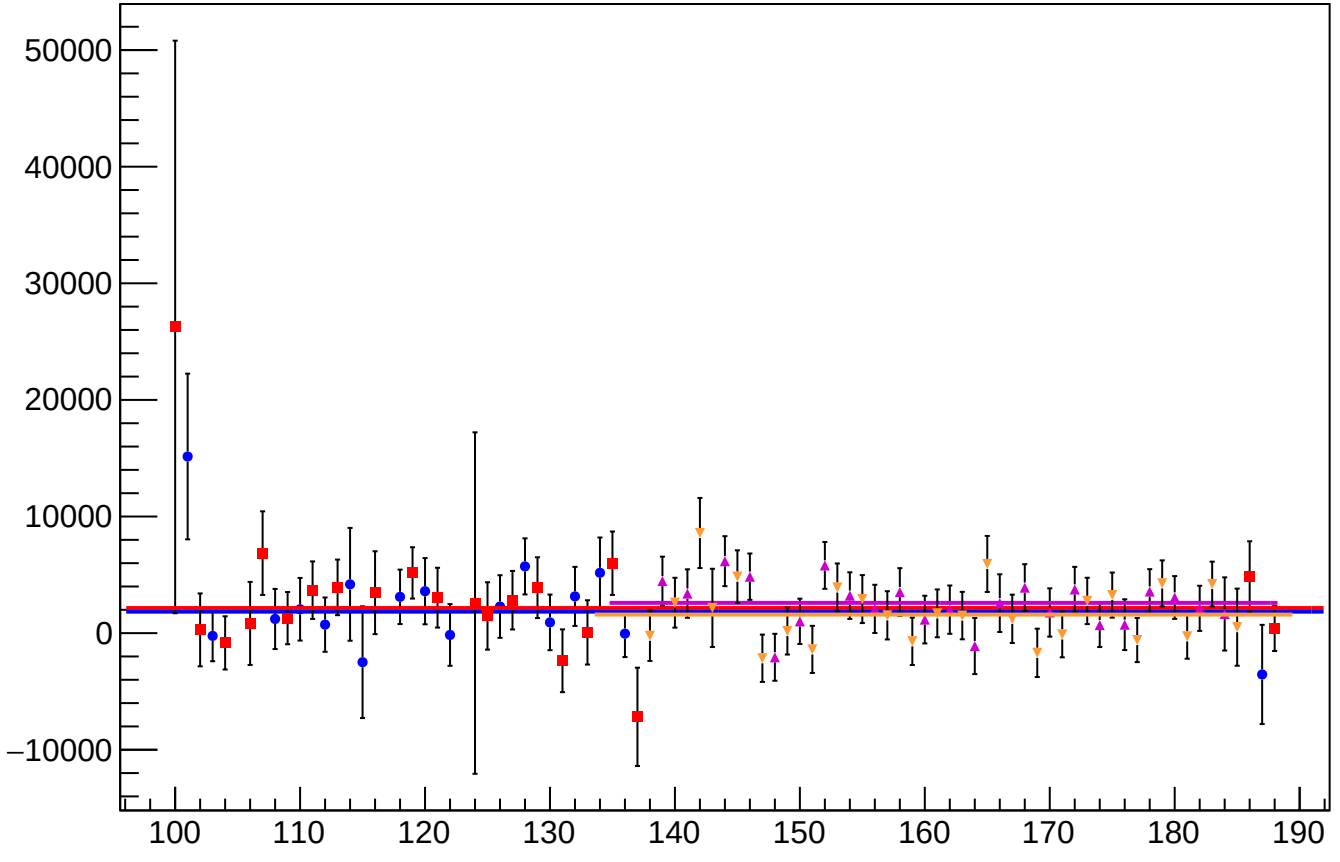
Right: 0.000+/-0.000 χ^2/NDF: 10133748.5/37

In: 0.000+/-0.000 χ^2/NDF:6237250.3/39

Out: 0.000+/-0.000 χ^2/NDF:10001518.5/45

All: 0.000+/-0.000 χ^2/NDF: 16693441.9/85

reg_asym_atr1l2_avg_mean vs Slug, Sign Corrected



Right In: 1843.574+/-659.631 χ^2/NDF: 13.8/16

Left Out: 1592.464+/-423.298 χ^2/NDF:31.3/24

Right Out: 2151.466+/-609.010 χ^2/NDF: 20.6/20

Left In: 2597.740+/-430.293 χ^2/NDF:20.1/22

Left: 2086.864+/-301.760 χ^2/NDF: 54.1/47

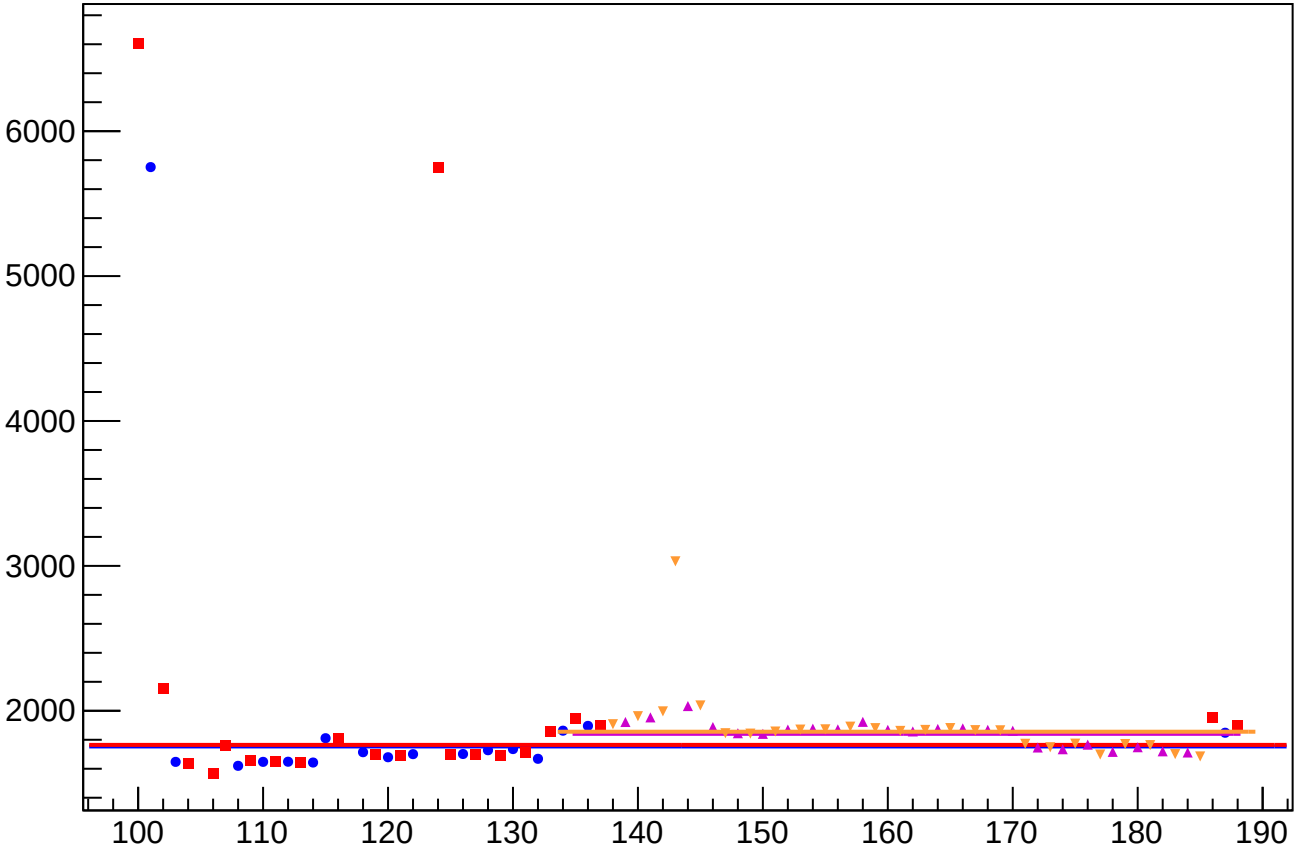
Right: 2009.786+/-447.462 χ^2/NDF: 34.5/37

In: 2372.618+/-360.393 χ^2/NDF:34.8/39

Out: 1774.553+/-347.584 χ^2/NDF:52.4/45

All: 2062.768+/-250.185 χ^2/NDF: 88.6/85

reg_asym_atr1l2_avg_rms vs Slug, Sign Corrected



Right In: 1753.939+/-0.466 χ^2/NDF: 671666.1/16

Left Out: 1855.560+/-0.299 χ^2/NDF:324267.7/24

Right Out: 1764.692+/-0.428 χ^2/NDF: 324366.4/20

Left In: 1840.981+/-0.304 χ^2/NDF:70985.8/22

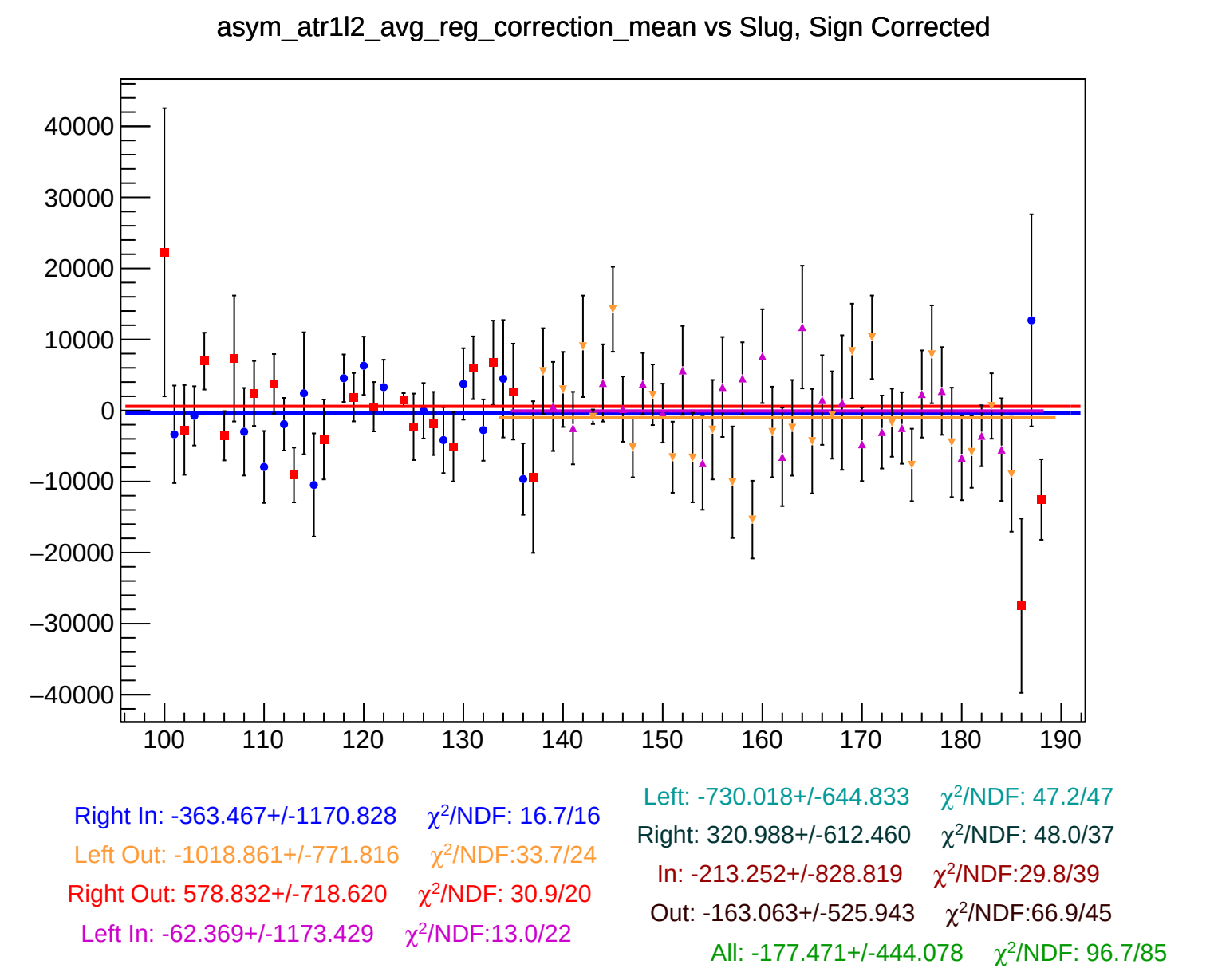
Left: 1848.390+/-0.213 χ^2/NDF: 396420.2/47

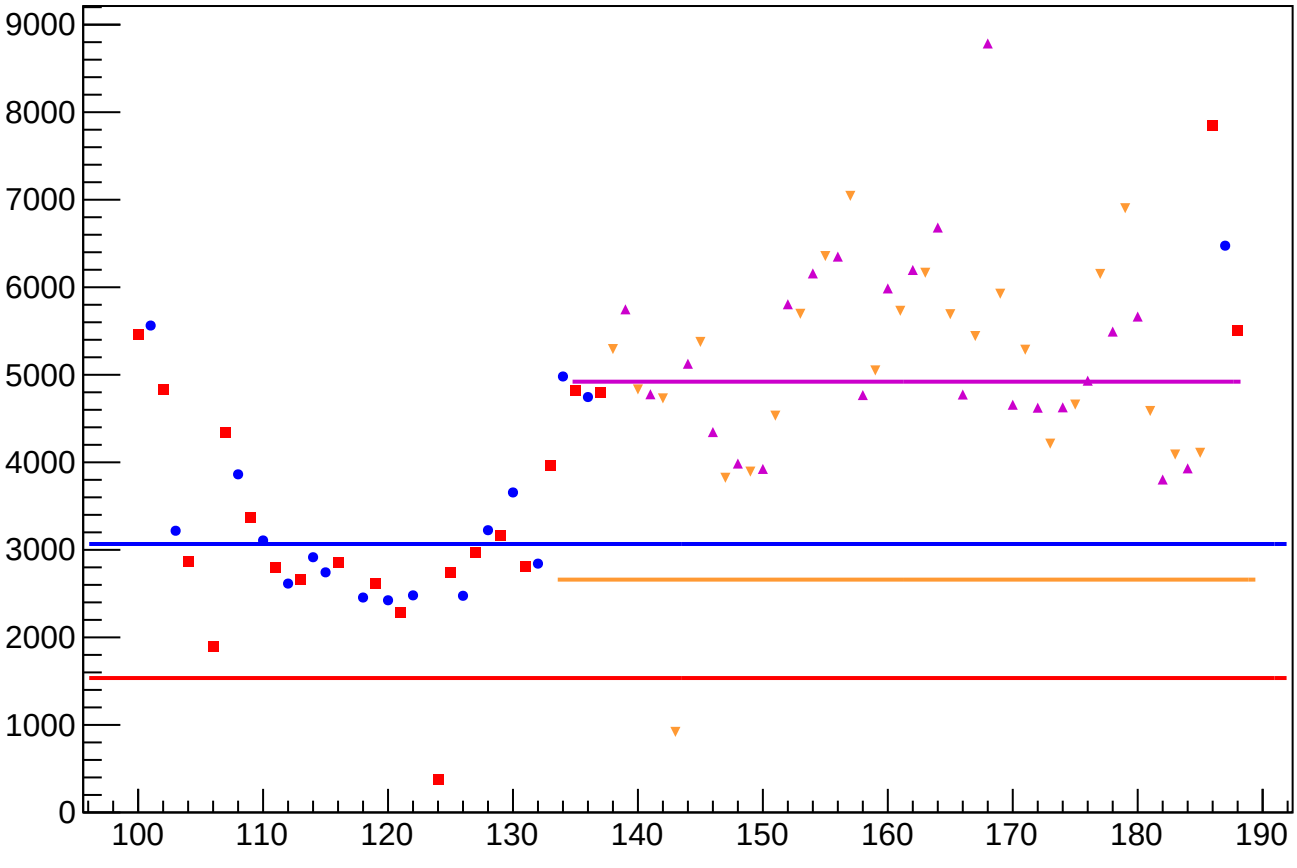
Right: 1759.778+/-0.315 χ^2/NDF: 996321.1/37

In: 1814.999+/-0.255 χ^2/NDF:767081.2/39

Out: 1825.706+/-0.245 χ^2/NDF:678913.3/45

All: 1820.557+/-0.177 χ^2/NDF: 1446911.0/85


asym_atr1l2_avg_reg_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
160
170
180
190
Right In: -363.467+/-1170.828 χ²/NDF: 16.7/16
Left Out: -1018.861+/-771.816 χ²/NDF:33.7/24
Right Out: 578.832+/-718.620 χ²/NDF: 30.9/20
Left In: -62.369+/-1173.429 χ²/NDF:13.0/22
Left: -730.018+/-644.833 χ²/NDF: 47.2/47
Right: 320.988+/-612.460 χ²/NDF: 48.0/37
In: -213.252+/-828.819 χ²/NDF:29.8/39
Out: -163.063+/-525.943 χ²/NDF:66.9/45
All: -177.471+/-444.078 χ²/NDF: 96.7/85



Right In: 3067.025+/-0.828 χ^2/NDF: 1012336.5/16

Left Out: 2660.009+/-0.546 χ^2/NDF:14536074.6/24

Right Out: 1535.687+/-0.508 χ^2/NDF: 8325922.4/20

Left In: 4921.319+/-0.830 χ^2/NDF:1251123.1/22

Left: 3342.883+/-0.456 χ^2/NDF: 20971649.5/47

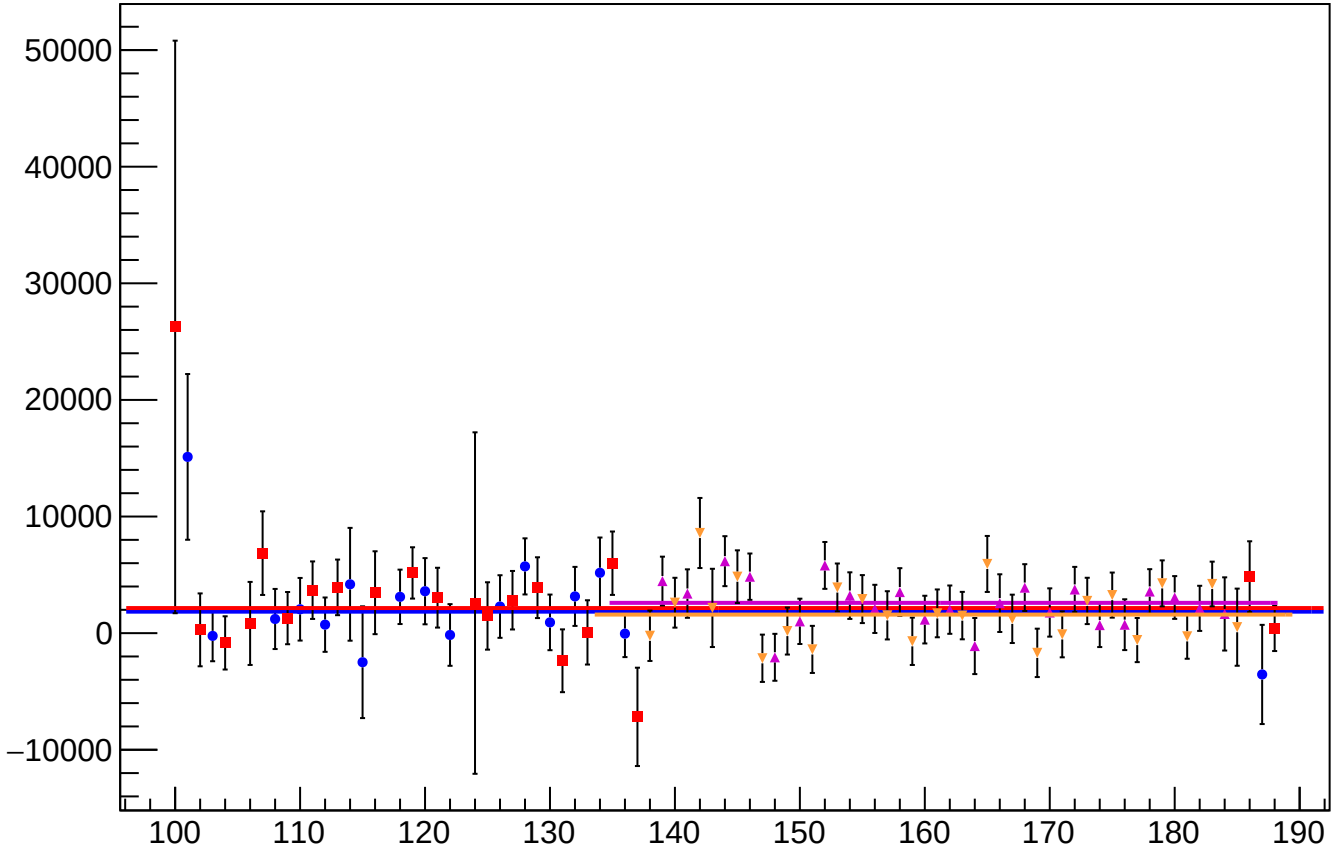
Right: 1954.712+/-0.433 χ^2/NDF: 11823344.8/37

In: 3992.114+/-0.586 χ^2/NDF:4766143.4/39

Out: 2057.771+/-0.372 χ^2/NDF:25135322.6/45

All: 2613.078+/-0.314 χ^2/NDF: 37667872.6/8

cor_asym_atr1l2_avg_mean vs Slug, Sign Corrected



Right In: 1843.233+/-659.631 χ^2/NDF: 13.7/16

Left Out: 1592.431+/-423.298 χ^2/NDF:31.3/24

Right Out: 2151.504+/-609.010 χ^2/NDF: 20.6/20

Left In: 2597.812+/-430.293 χ^2/NDF:20.1/22

Left: 2086.883+/-301.760 χ^2/NDF: 54.1/47

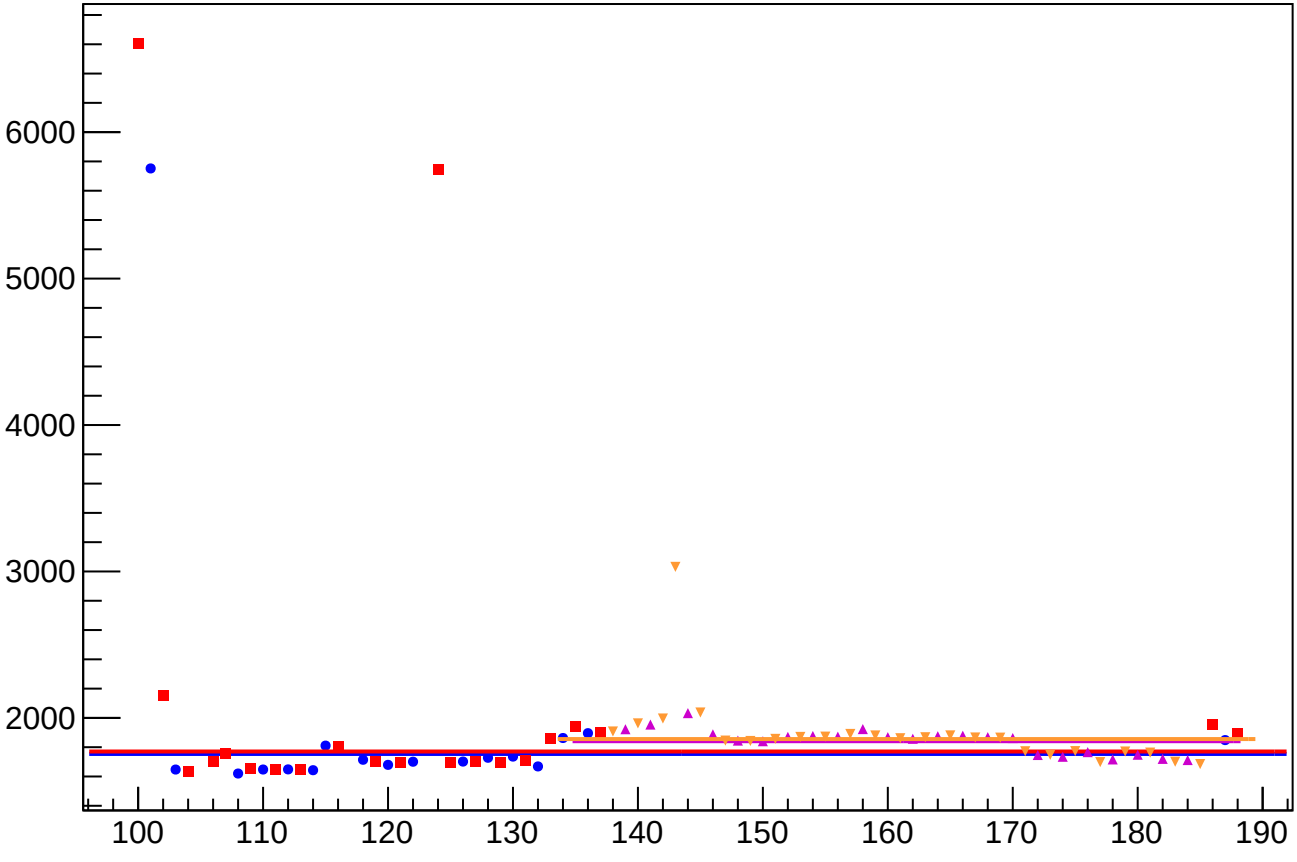
Right: 2009.650+/-447.462 χ^2/NDF: 34.4/37

In: 2372.566+/-360.393 χ^2/NDF:34.7/39

Out: 1774.544+/-347.584 χ^2/NDF:52.4/45

All: 2062.739+/-250.185 χ^2/NDF: 88.6/85

cor_asym_atr1l2_avg_rms vs Slug, Sign Corrected



Right In: 1753.939+/-0.466 χ^2/NDF: 671666.4/16

Left Out: 1855.560+/-0.299 χ^2/NDF:324267.7/24

Right Out: 1770.645+/-0.429 χ^2/NDF: 316140.1/20

Left In: 1840.981+/-0.304 χ^2/NDF:70985.8/22

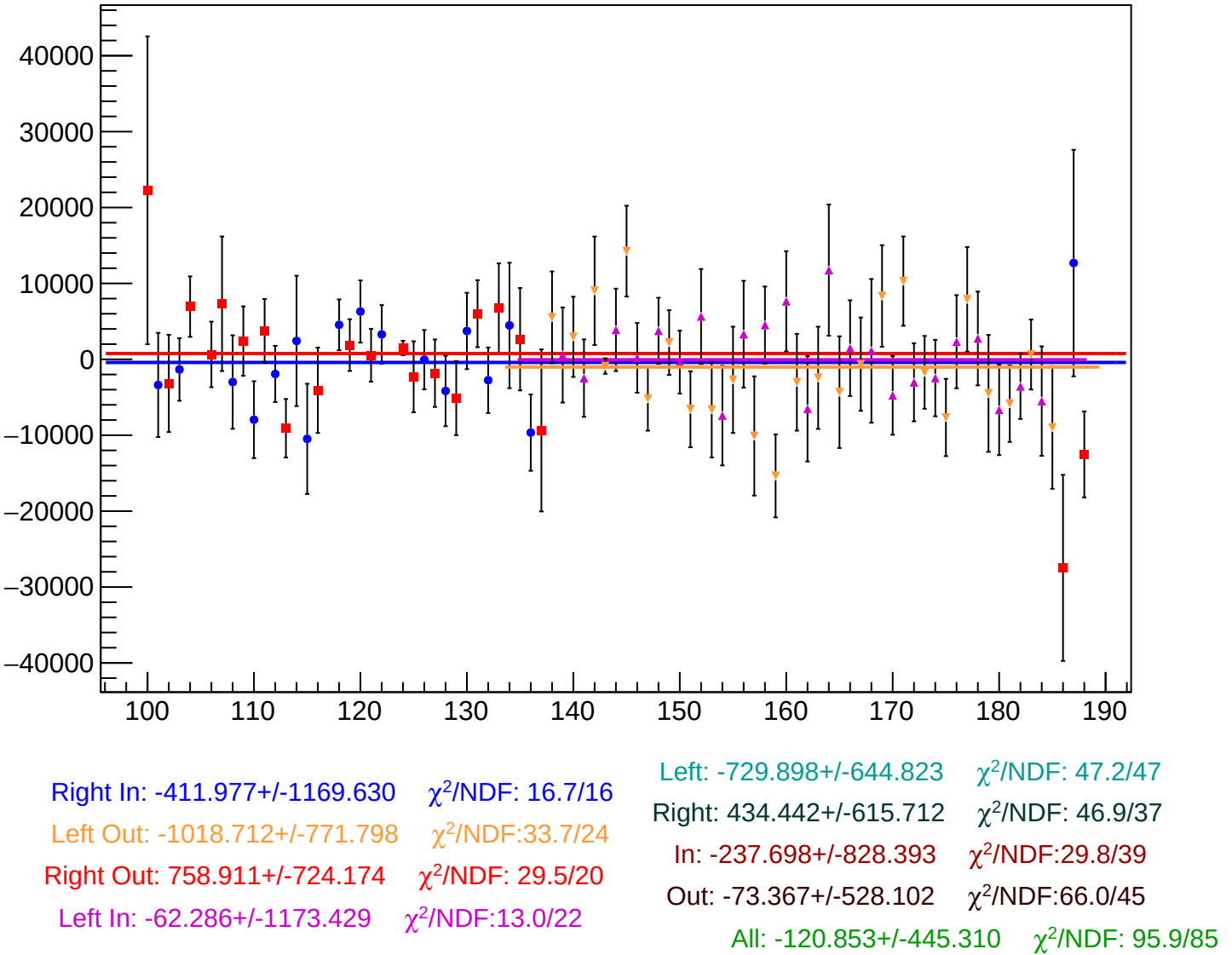
Left: 1848.390+/-0.213 χ^2/NDF: 396420.2/47

Right: 1762.985+/-0.316 χ^2/NDF: 988501.1/37

In: 1814.999+/-0.255 χ^2/NDF:767081.6/39

Out: 1827.779+/-0.246 χ^2/NDF:666738.3/45

All: 1821.627+/-0.177 χ^2/NDF: 1435124.3/85


asym_atr1l2_avg_cor_correction_mean vs Slug, Sign Corrected
40000
30000
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10000
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−10000
−20000
−30000
−40000
100
110
120
130
140
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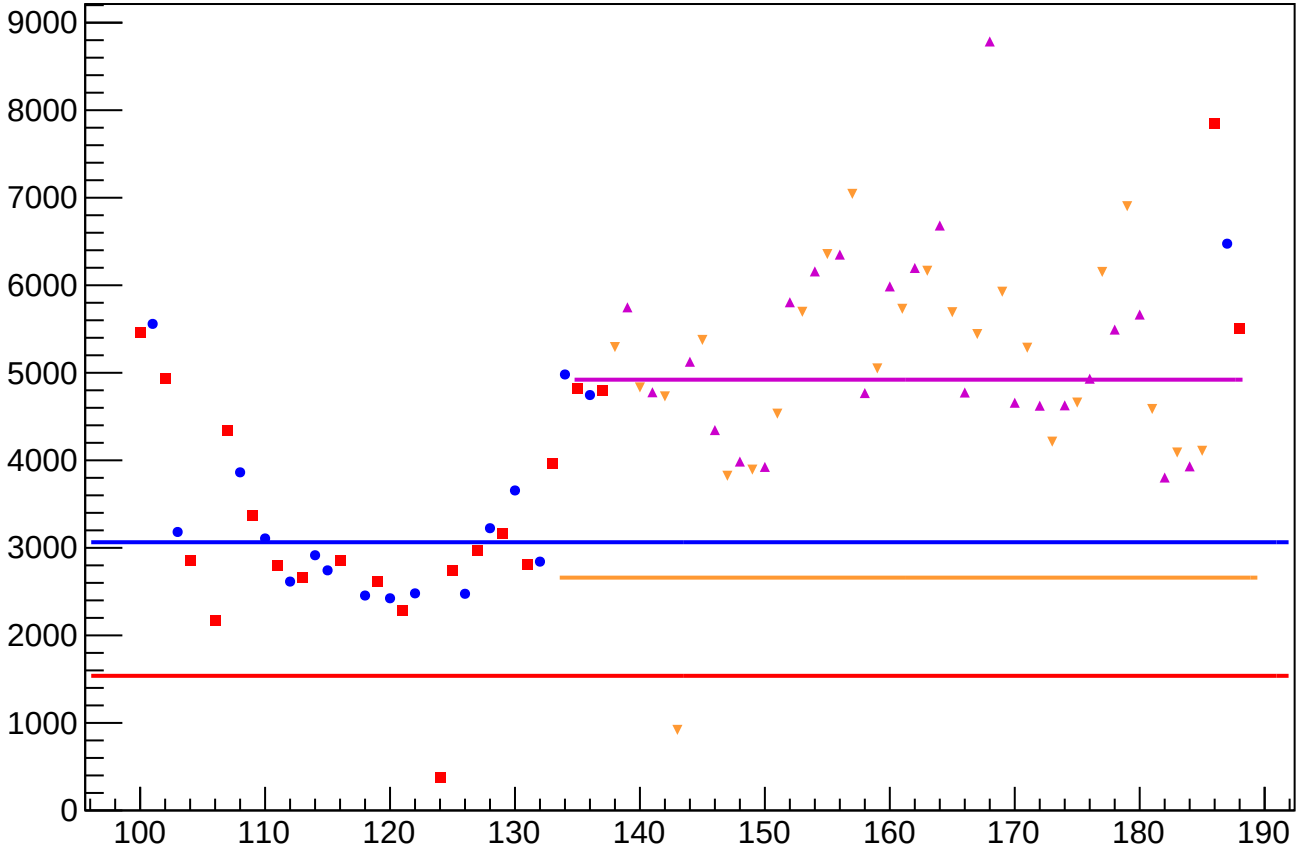
160
170
180
190
Right In: -411.977+/-1169.630 χ²/NDF: 16.7/16
Left Out: -1018.712+/-771.798 χ²/NDF:33.7/24
Right Out: 758.911+/-724.174 χ²/NDF: 29.5/20
Left In: -62.286+/-1173.429 χ²/NDF:13.0/22
Left: -729.898+/-644.823 χ²/NDF: 47.2/47
Right: 434.442+/-615.712 χ²/NDF: 46.9/37
In: -237.698+/-828.393 χ²/NDF:29.8/39
Out: -73.367+/-528.102 χ²/NDF:66.0/45
All: -120.853+/-445.310 χ²/NDF: 95.9/85

asym_atr1l2_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 3064.350+/-0.827 χ^2/NDF: 1010774.7/16

Left Out: 2659.907+/-0.546 χ^2/NDF:14536813.3/24

Right Out: 1538.016+/-0.512 χ^2/NDF: 8363596.8/20

Left In: 4921.316+/-0.830 χ^2/NDF:1251131.6/22

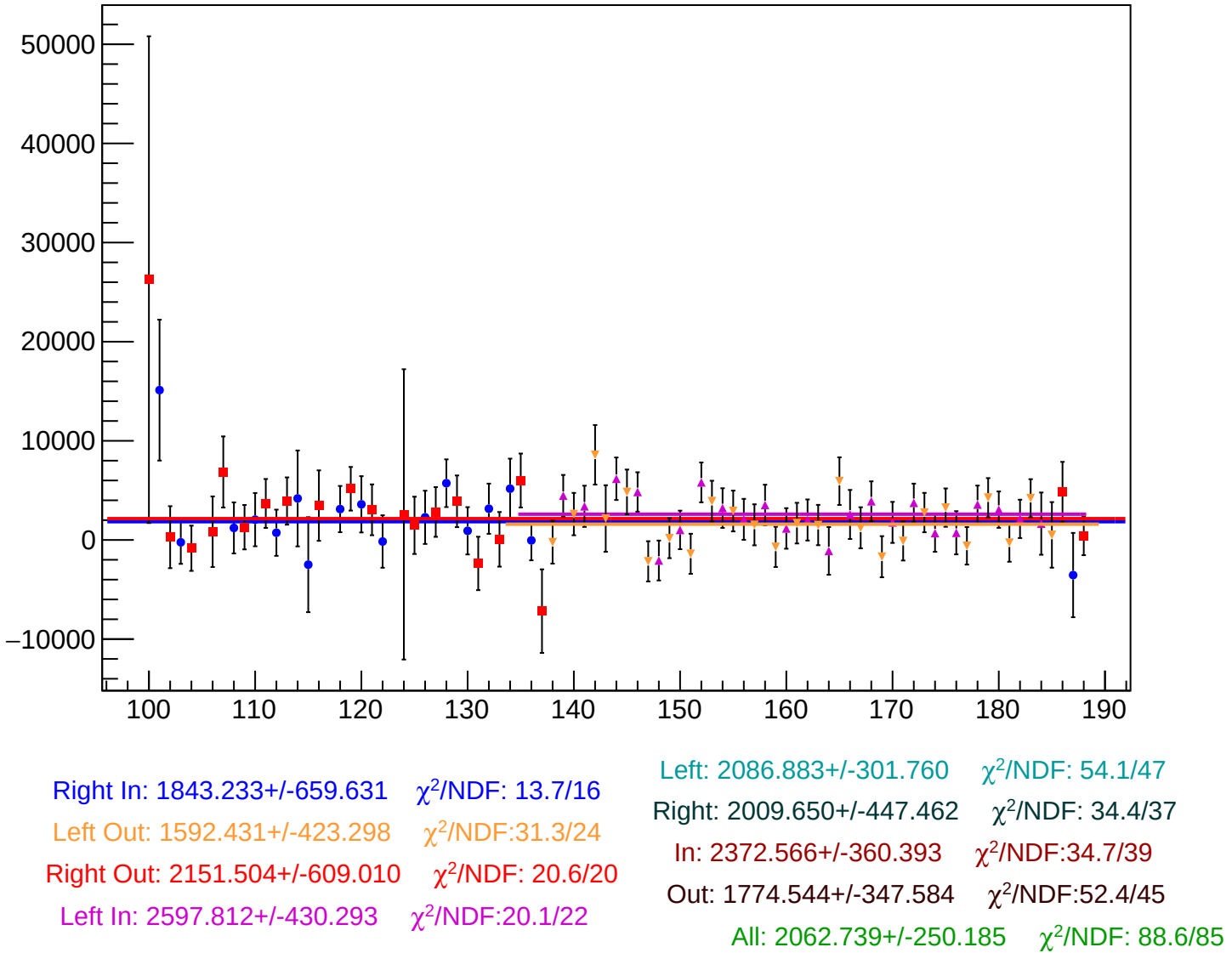
Left: 3342.790+/-0.456 χ^2/NDF: 20972927.8/47

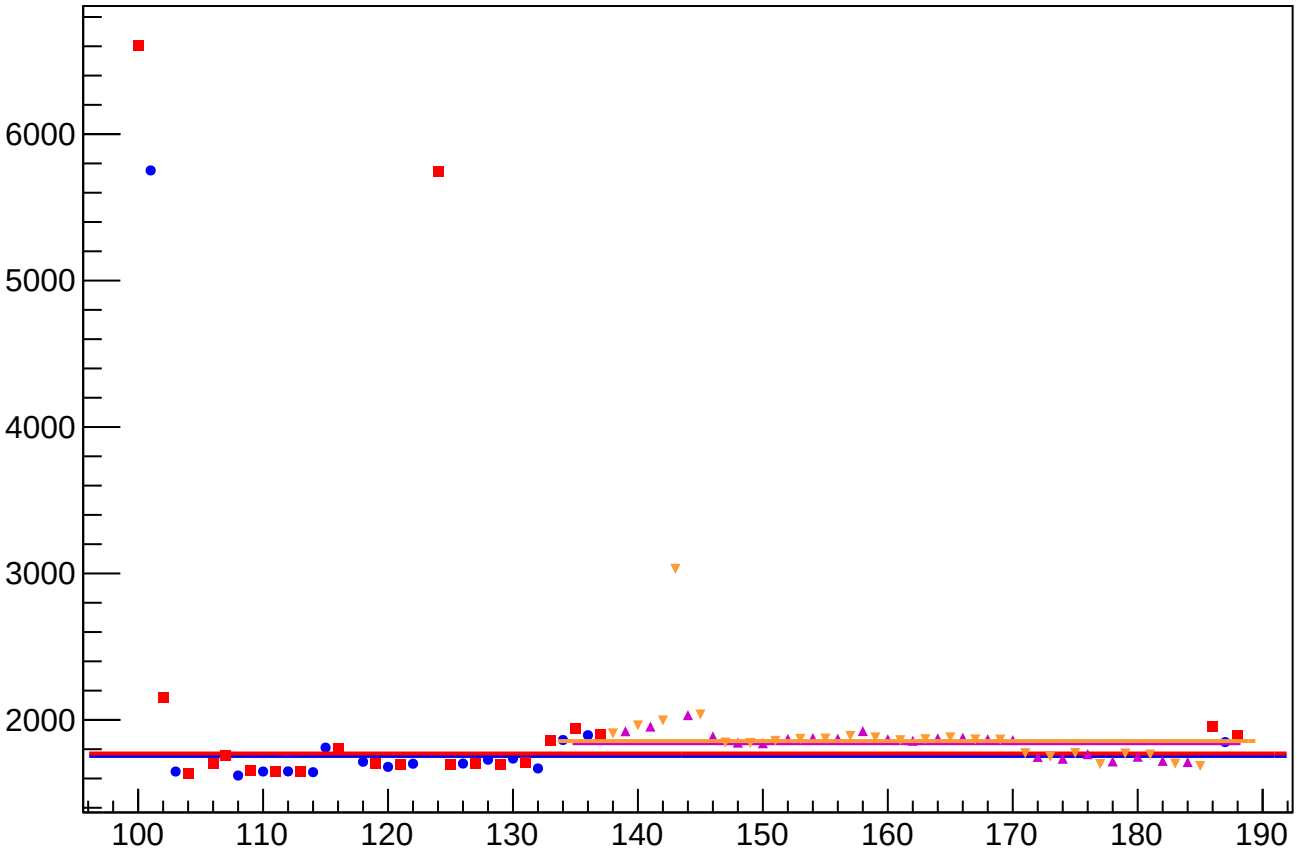
Right: 1960.985+/-0.435 χ^2/NDF: 11836450.1/37

In: 3989.823+/-0.586 χ^2/NDF:4774370.6/39

Out: 2063.282+/-0.373 χ^2/NDF:25147776.9/45

All: 2619.993+/-0.315 χ^2/NDF: 37613479.9/8


eigen_cor_asym_atr1l2_avg_mean vs Slug, Sign Corrected
50000
40000
30000
20000
10000
0
−10000
100
110
120
130
140
150
160
170
180
190
Right In: 1843.233+/-659.631 χ²/NDF: 13.7/16
Left Out: 1592.431+/-423.298 χ²/NDF:31.3/24
Right Out: 2151.504+/-609.010 χ²/NDF: 20.6/20
Left In: 2597.812+/-430.293 χ²/NDF:20.1/22
Left: 2086.883+/-301.760 χ²/NDF: 54.1/47
Right: 2009.650+/-447.462 χ²/NDF: 34.4/37
In: 2372.566+/-360.393 χ²/NDF:34.7/39
Out: 1774.544+/-347.584 χ²/NDF:52.4/45
All: 2062.739+/-250.185 χ²/NDF: 88.6/85



Right In: 1753.939+/-0.466 χ^2/NDF: 671666.4/16

Left Out: 1855.560+/-0.299 χ^2/NDF:324267.7/24

Right Out: 1770.645+/-0.429 χ^2/NDF: 316140.1/20

Left In: 1840.981+/-0.304 χ^2/NDF:70985.8/22

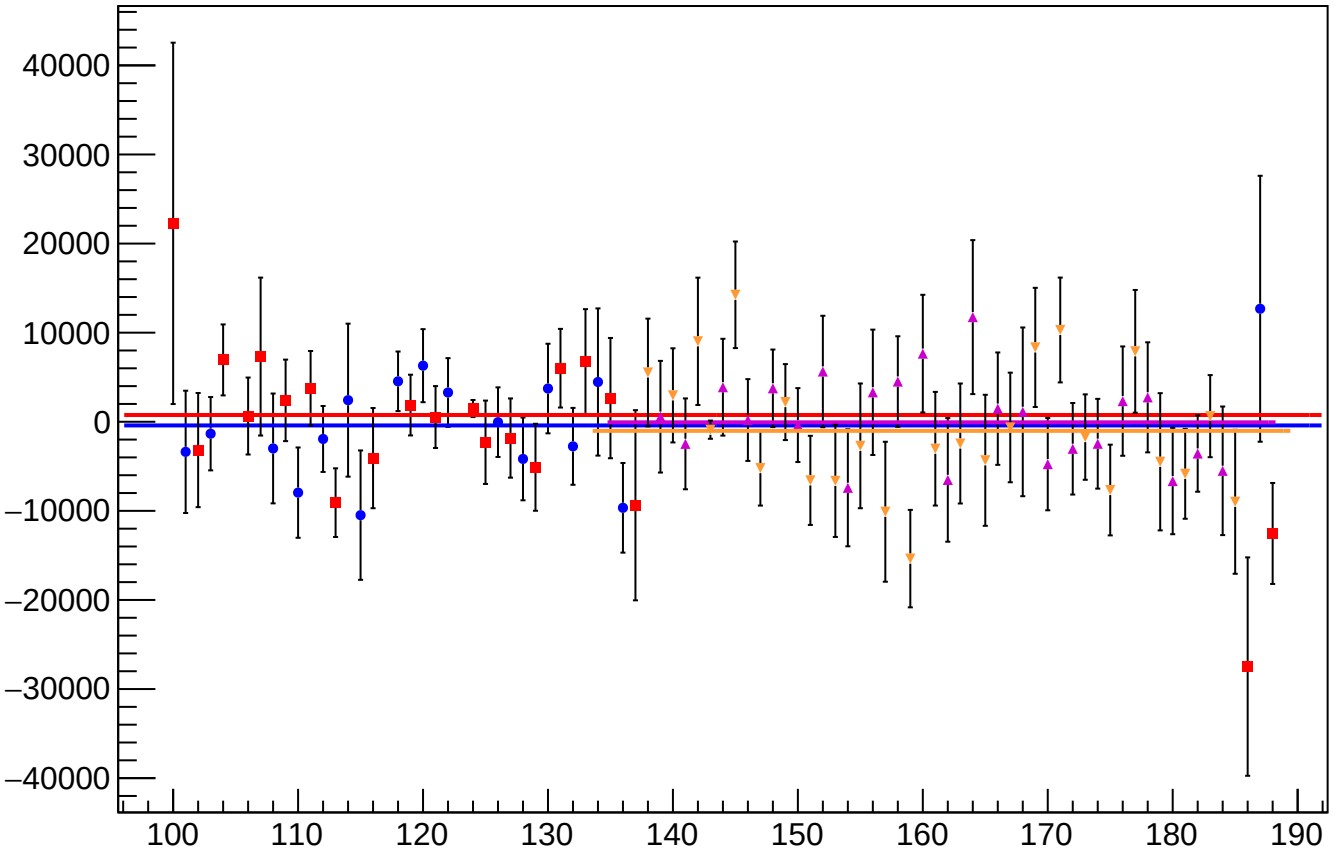
Left: 1848.390+/-0.213 χ^2/NDF: 396420.2/47

Right: 1762.985+/-0.316 χ^2/NDF: 988501.1/37

In: 1814.999+/-0.255 χ^2/NDF:767081.6/39

Out: 1827.779+/-0.246 χ^2/NDF:666738.3/45

All: 1821.627+/-0.177 χ^2/NDF: 1435124.3/85



Right In: -411.977+/-1169.630 χ^2/NDF: 16.7/16

Left Out: -1018.712+/-771.798 χ^2/NDF:33.7/24

Right Out: 758.911+/-724.174 χ^2/NDF: 29.5/20

Left In: -62.286+/-1173.429 χ^2/NDF:13.0/22

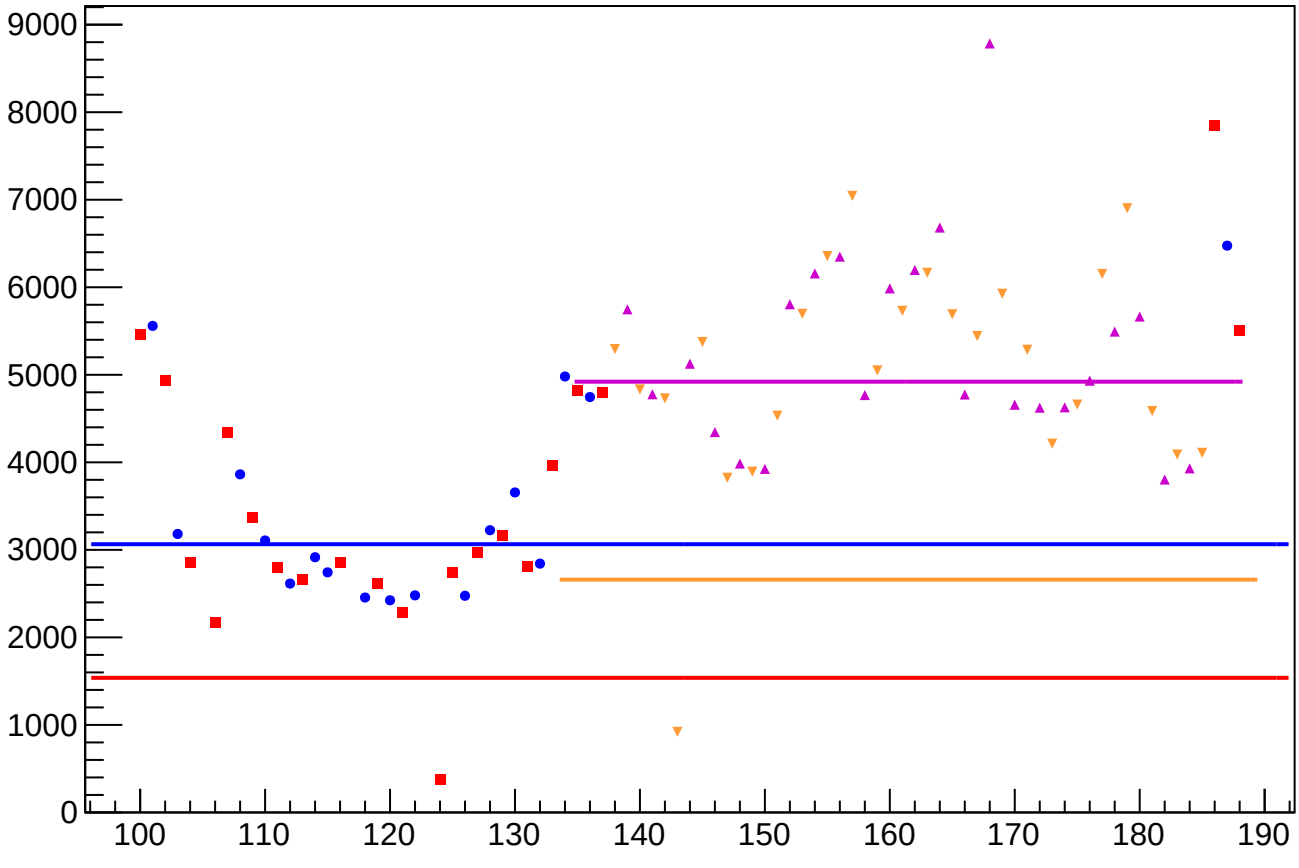
Left: -729.898+/-644.823 χ^2/NDF: 47.2/47

Right: 434.442+/-615.712 χ^2/NDF: 46.9/37

In: -237.698+/-828.393 χ^2/NDF:29.8/39

Out: -73.367+/-528.102 χ^2/NDF:66.0/45

All: -120.853+/-445.310 χ^2/NDF: 95.9/85



Right In: 3064.350+/-0.827 χ^2/NDF: 1010774.7/16

Left Out: 2659.907+/-0.546 χ^2/NDF:14536813.3/24

Right Out: 1538.016+/-0.512 χ^2/NDF: 8363596.8/20

Left In: 4921.316+/-0.830 χ^2/NDF:1251131.6/22

Left: 3342.790+/-0.456 χ^2/NDF: 20972927.8/47

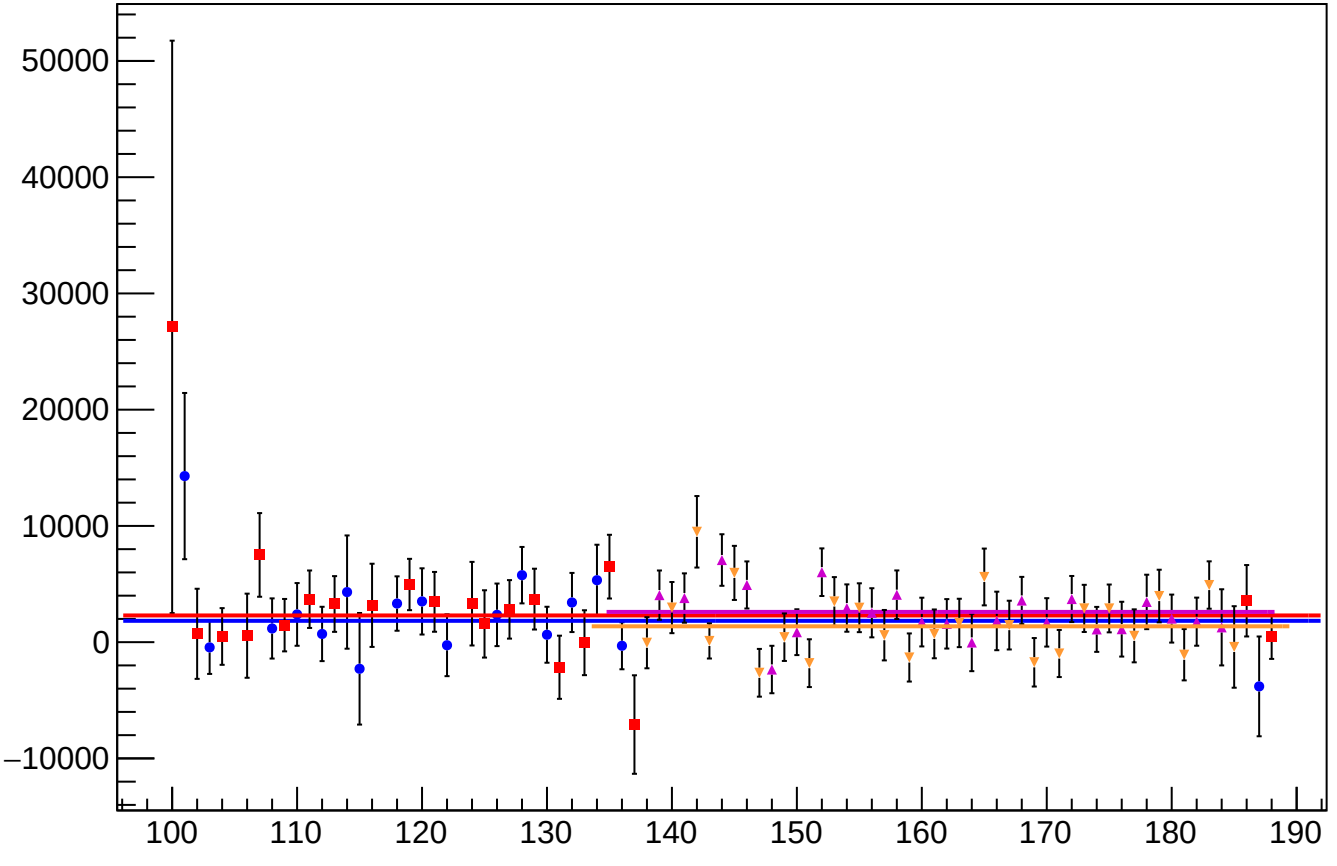
Right: 1960.985+/-0.435 χ^2/NDF: 11836450.1/37

In: 3989.823+/-0.586 χ^2/NDF:4774370.6/39

Out: 2063.282+/-0.373 χ^2/NDF:25147776.9/45

All: 2619.993+/-0.315 χ^2/NDF: 37613479.9/8

dit_asym_atr1l2_avg_mean vs Slug, Sign Corrected



Right In: 1836.666+/-665.923 χ^2/NDF: 14.2/16

Left Out: 1363.887+/-427.332 χ^2/NDF:36.1/24

Right Out: 2297.524+/-610.637 χ^2/NDF: 18.5/20

Left In: 2602.835+/-446.741 χ^2/NDF:20.0/22

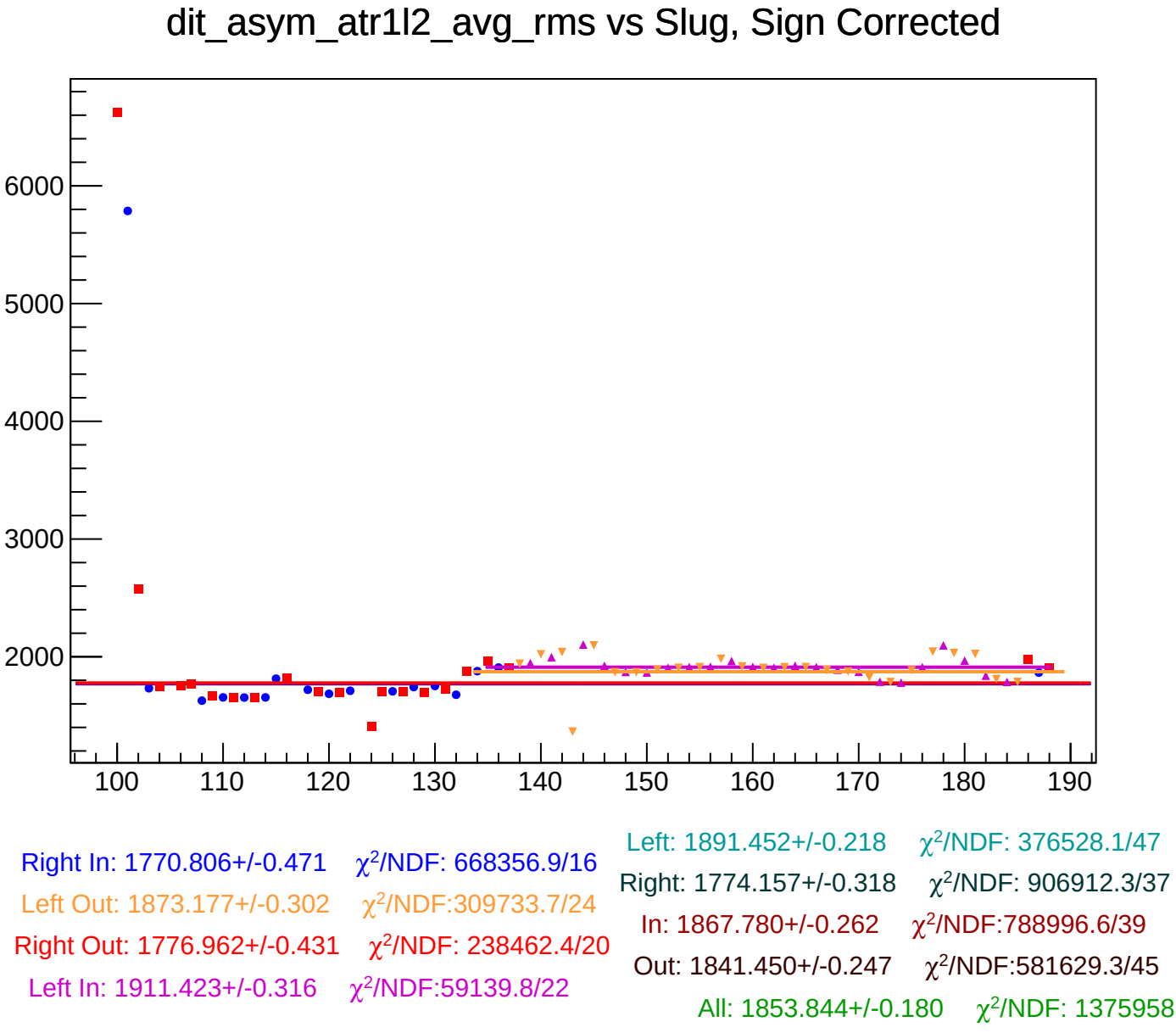
Left: 1955.864+/-308.803 χ^2/NDF: 60.2/47

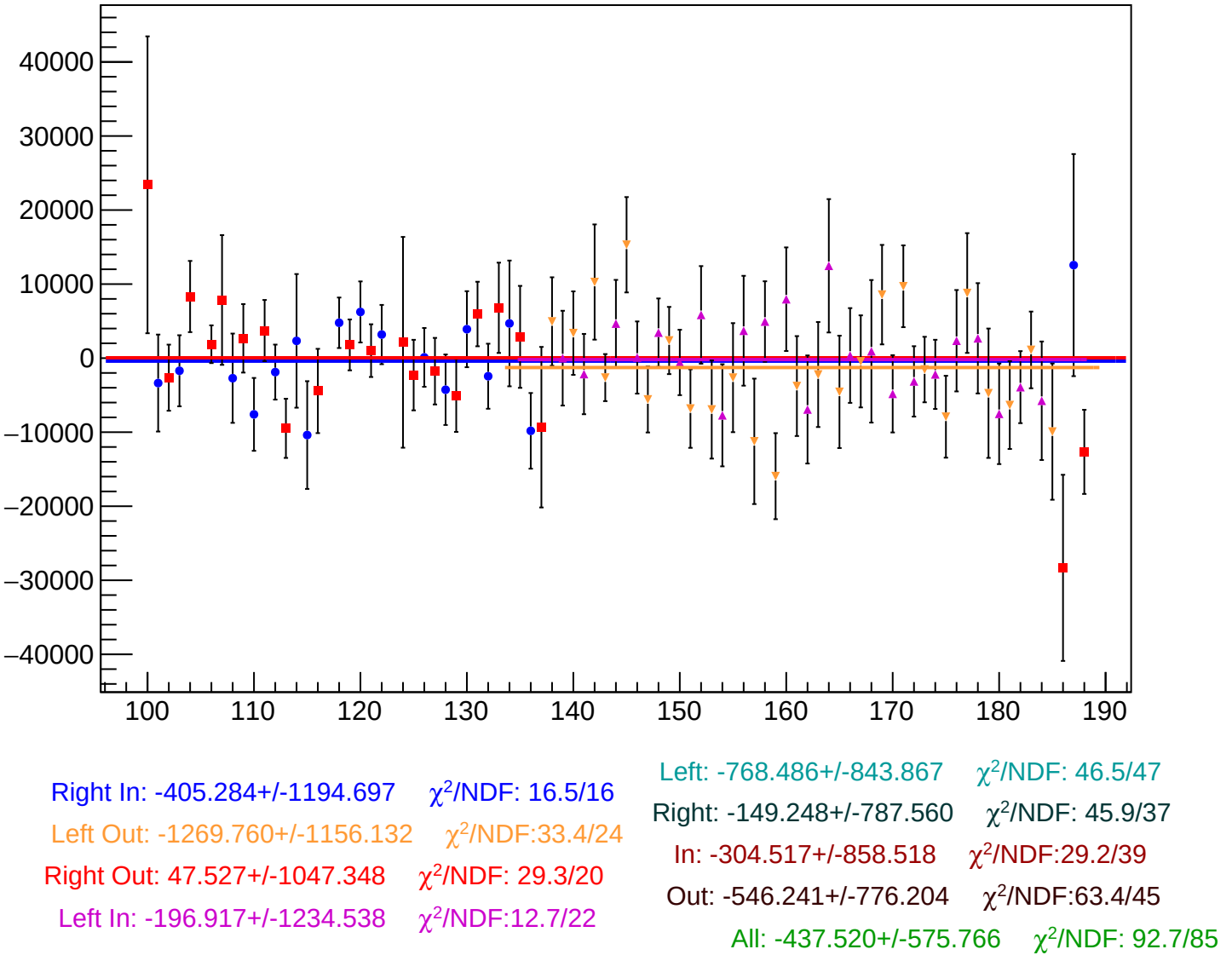
Right: 2087.017+/-450.064 χ^2/NDF: 33.0/37

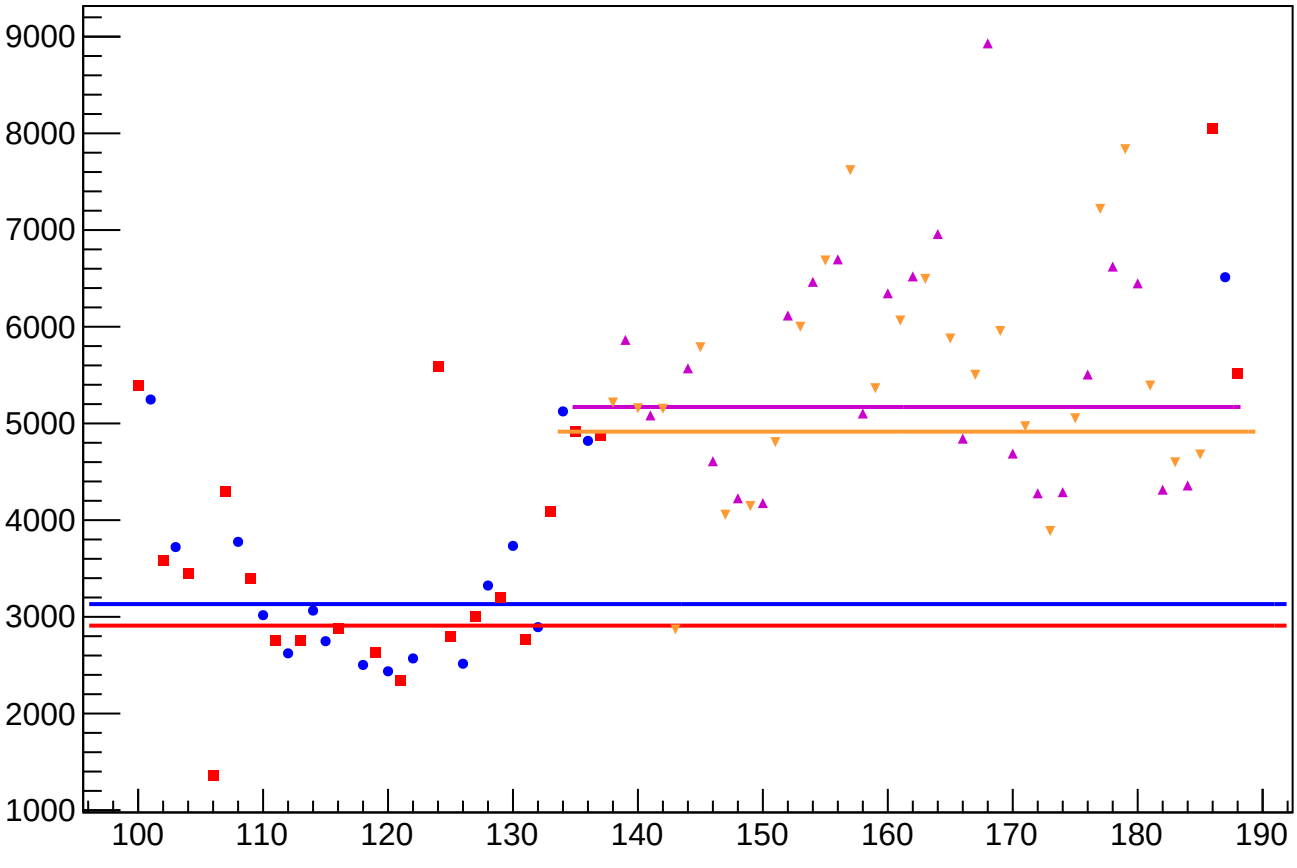
In: 2365.039+/-370.992 χ^2/NDF:35.2/39

Out: 1670.812+/-350.115 χ^2/NDF:56.2/45

All: 1997.844+/-254.629 χ^2/NDF: 93.2/85


dit_asym_atr1l2_avg_rms vs Slug, Sign Corrected
6000
5000
4000
3000
2000
100
110
120
130
140
150
160
170
180
190
Right In: 1770.806+/-0.471 χ²/NDF: 668356.9/16
Left Out: 1873.177+/-0.302 χ²/NDF:309733.7/24
Right Out: 1776.962+/-0.431 χ²/NDF: 238462.4/20
Left In: 1911.423+/-0.316 χ²/NDF:59139.8/22
Left: 1891.452+/-0.218 χ²/NDF: 376528.1/47
Right: 1774.157+/-0.318 χ²/NDF: 906912.3/37
In: 1867.780+/-0.262 χ²/NDF:788996.6/39
Out: 1841.450+/-0.247 χ²/NDF:581629.3/45
All: 1853.844+/-0.180 χ²/NDF: 1375958.1/85


asym_atr1l2_avg_dit_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
160
170
180
190
Right In: -405.284+/-1194.697 χ²/NDF: 16.5/16
Left Out: -1269.760+/-1156.132 χ²/NDF:33.4/24
Right Out: 47.527+/-1047.348 χ²/NDF: 29.3/20
Left In: -196.917+/-1234.538 χ²/NDF:12.7/22
Left: -768.486+/-843.867 χ²/NDF: 46.5/47
Right: -149.248+/-787.560 χ²/NDF: 45.9/37
In: -304.517+/-858.518 χ²/NDF:29.2/39
Out: -546.241+/-776.204 χ²/NDF:63.4/45
All: -437.520+/-575.766 χ²/NDF: 92.7/85



Right In: 3131.720+/-0.845 χ^2/NDF: 985519.0/16

Left Out: 4915.244+/-0.818 χ^2/NDF:2166229.1/24

Right Out: 2909.177+/-0.741 χ^2/NDF: 2132619.1/20

Left In: 5170.028+/-0.873 χ^2/NDF:1348711.3/22

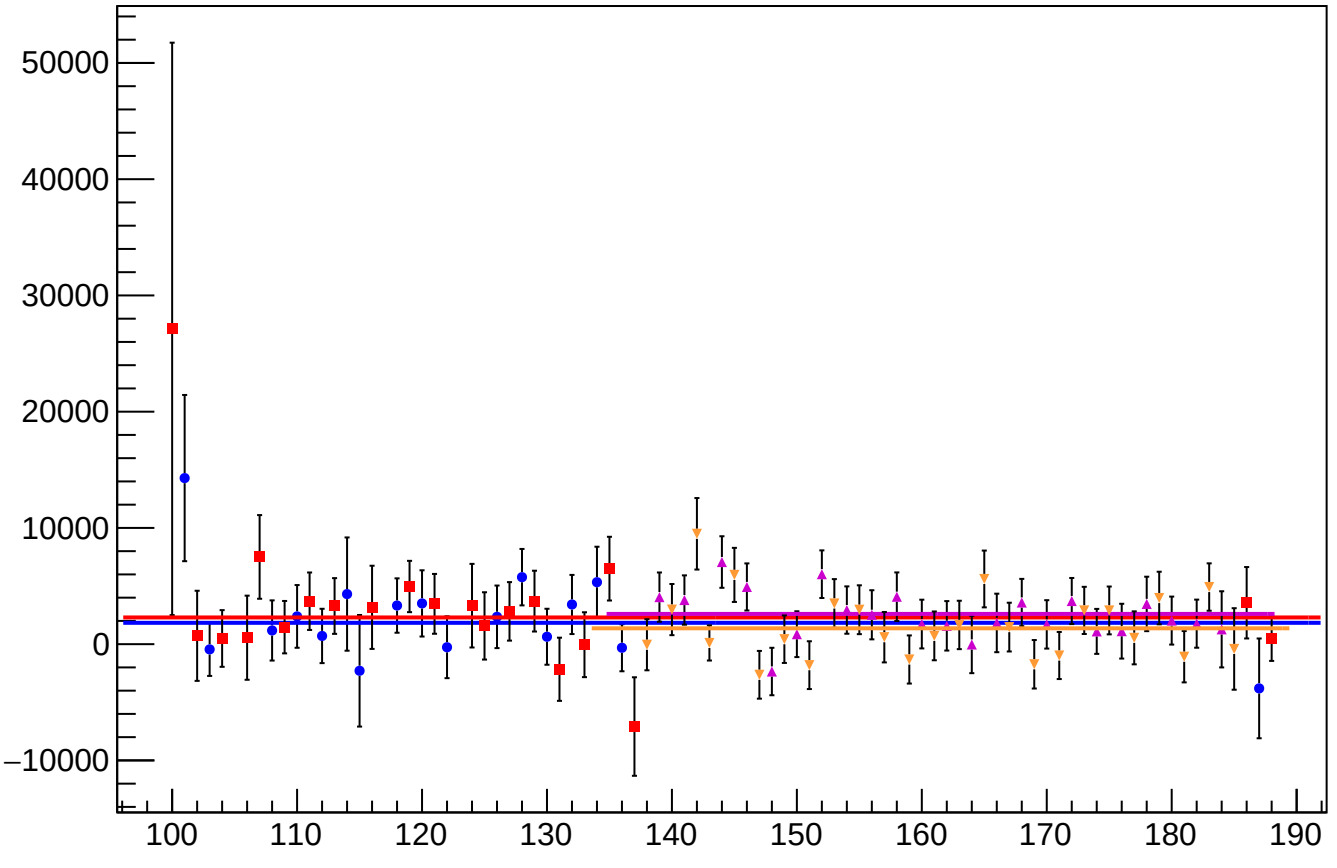
Left: 5034.289+/-0.597 χ^2/NDF: 3560323.8/47

Right: 3005.886+/-0.557 χ^2/NDF: 3157377.9/37

In: 4117.453+/-0.607 χ^2/NDF:5149652.5/39

Out: 3813.414+/-0.549 χ^2/NDF:7606160.7/45

All: 3950.163+/-0.407 χ^2/NDF: 12893829.8/8



Right In: 1836.668+/-665.923 χ^2/NDF: 14.2/16

Left Out: 1363.884+/-427.333 χ^2/NDF:36.1/24

Right Out: 2297.525+/-610.637 χ^2/NDF: 18.5/20

Left In: 2602.834+/-446.742 χ^2/NDF:20.0/22

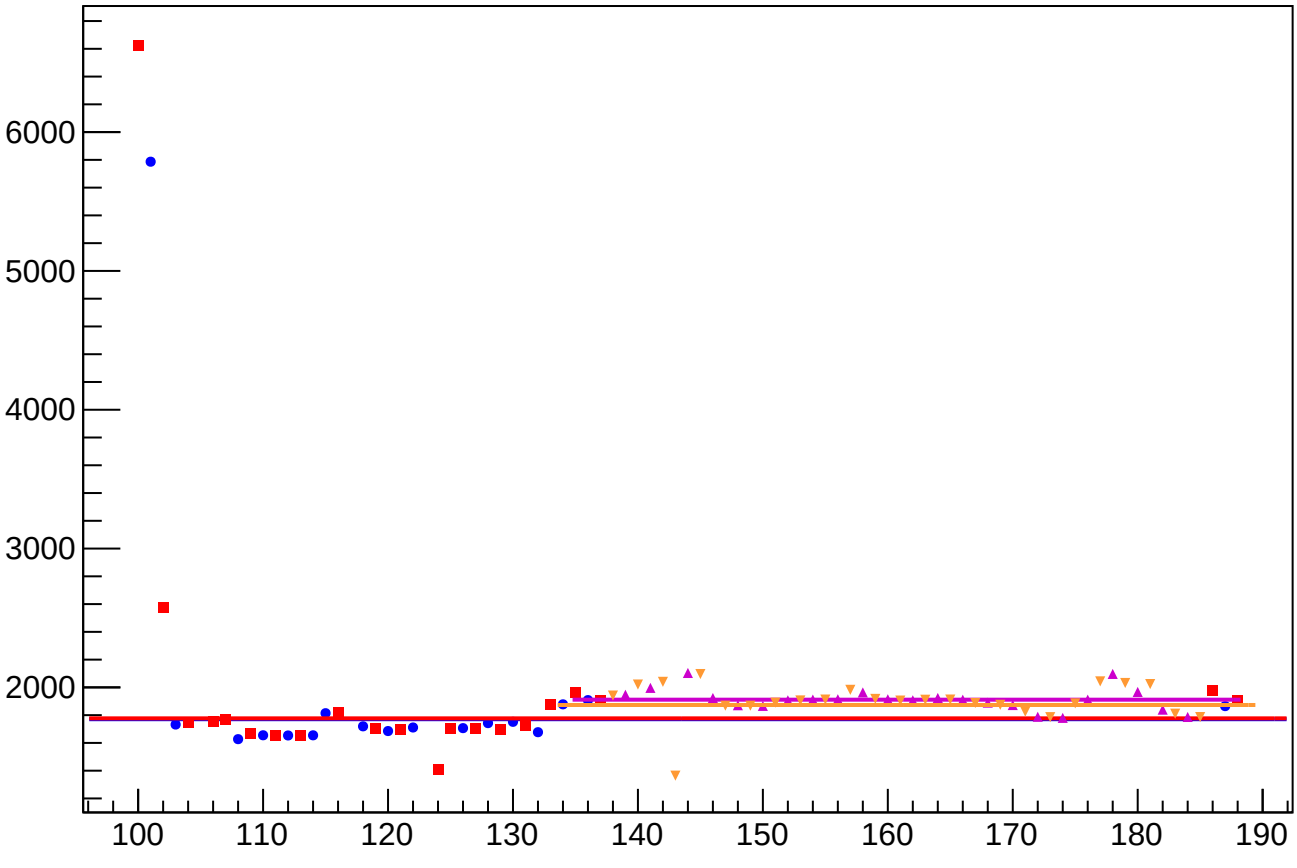
Left: 1955.861+/-308.803 χ^2/NDF: 60.2/47

Right: 2087.018+/-450.064 χ^2/NDF: 33.0/37

In: 2365.039+/-370.992 χ^2/NDF:35.2/39

Out: 1670.811+/-350.115 χ^2/NDF:56.2/45

All: 1997.843+/-254.629 χ^2/NDF: 93.2/85



Right In: 1770.806+/-0.471 χ^2/NDF: 668356.9/16

Left Out: 1873.178+/-0.302 χ^2/NDF:309737.2/24

Right Out: 1776.962+/-0.431 χ^2/NDF: 238462.3/20

Left In: 1911.425+/-0.316 χ^2/NDF:59142.0/22

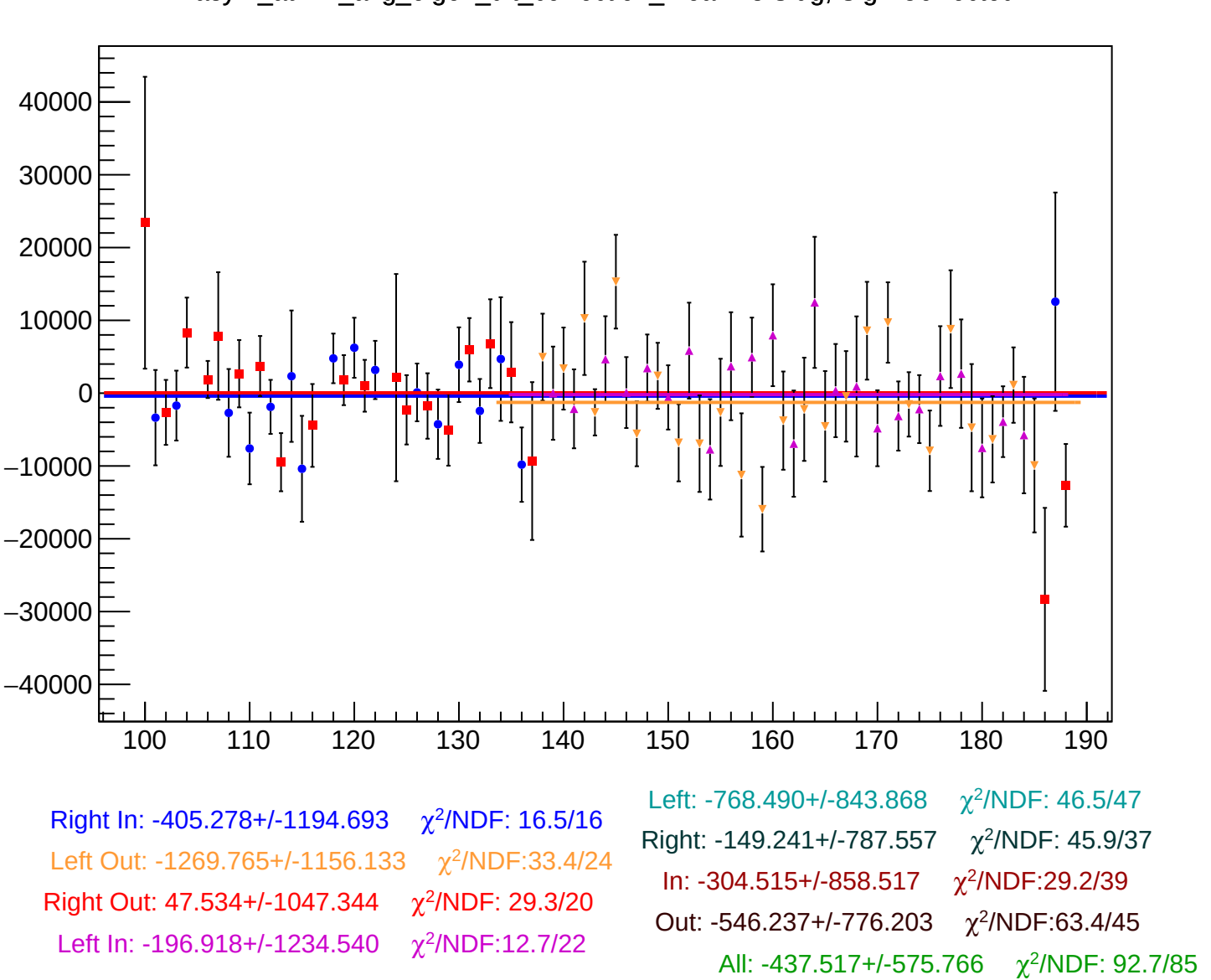
Left: 1891.453+/-0.218 χ^2/NDF: 376533.8/47

Right: 1774.157+/-0.318 χ^2/NDF: 906912.2/37

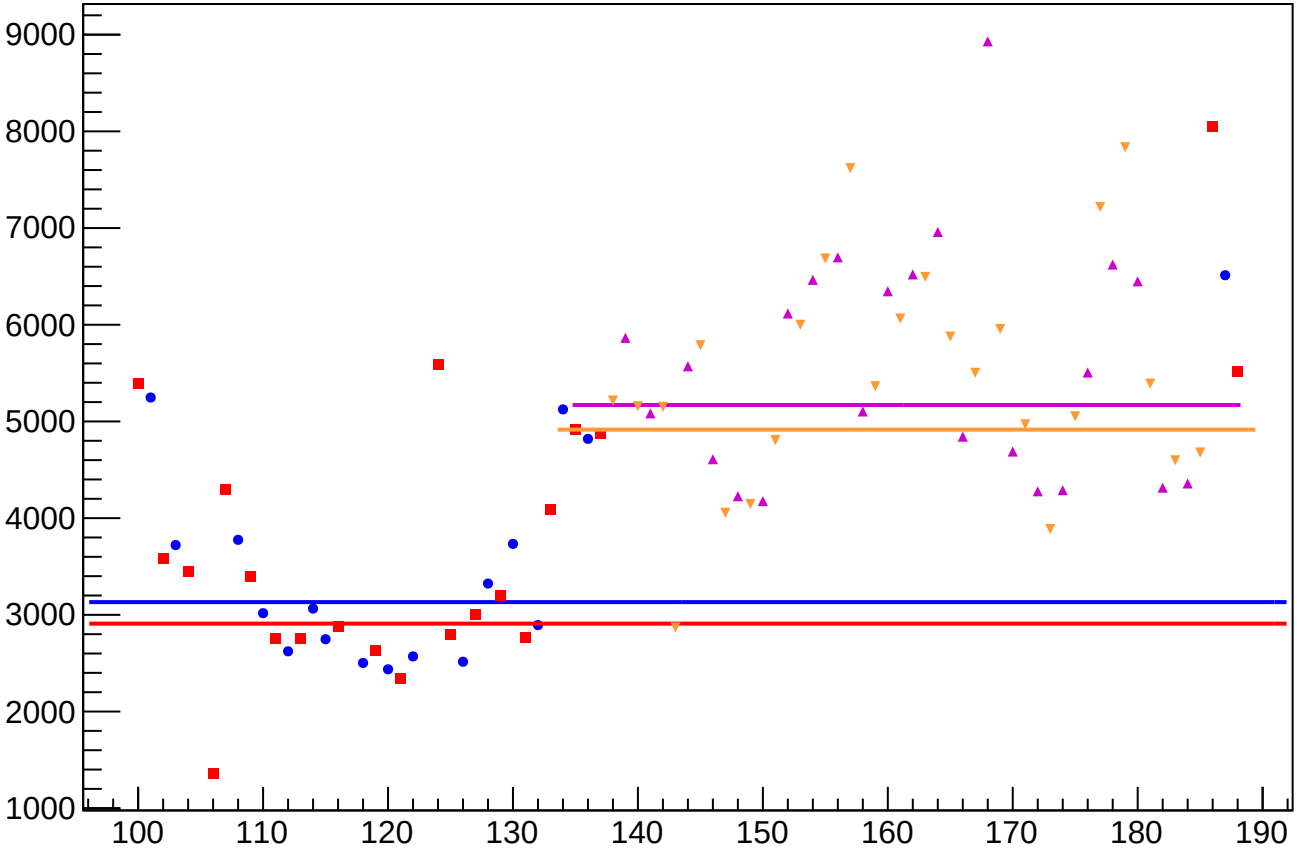
In: 1867.781+/-0.262 χ^2/NDF:788999.8/39

Out: 1841.451+/-0.247 χ^2/NDF:581633.5/45

All: 1853.844+/-0.180 χ^2/NDF: 1375965.6/85


asym_atr1l2_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
160
170
180
190
Right In: -405.278+/-1194.693 χ²/NDF: 16.5/16
Left Out: -1269.765+/-1156.133 χ²/NDF:33.4/24
Right Out: 47.534+/-1047.344 χ²/NDF: 29.3/20
Left In: -196.918+/-1234.540 χ²/NDF:12.7/22
Left: -768.490+/-843.868 χ²/NDF: 46.5/47
Right: -149.241+/-787.557 χ²/NDF: 45.9/37
In: -304.515+/-858.517 χ²/NDF:29.2/39
Out: -546.237+/-776.203 χ²/NDF:63.4/45
All: -437.517+/-575.766 χ²/NDF: 92.7/85

asym_atr1l2_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 3131.709+/-0.845 χ^2/NDF: 985529.9/16

Left Out: 4915.251+/-0.818 χ^2/NDF:2166236.2/24

Right Out: 2909.164+/-0.741 χ^2/NDF: 2132645.0/20

Left In: 5170.035+/-0.873 χ^2/NDF:1348713.2/22

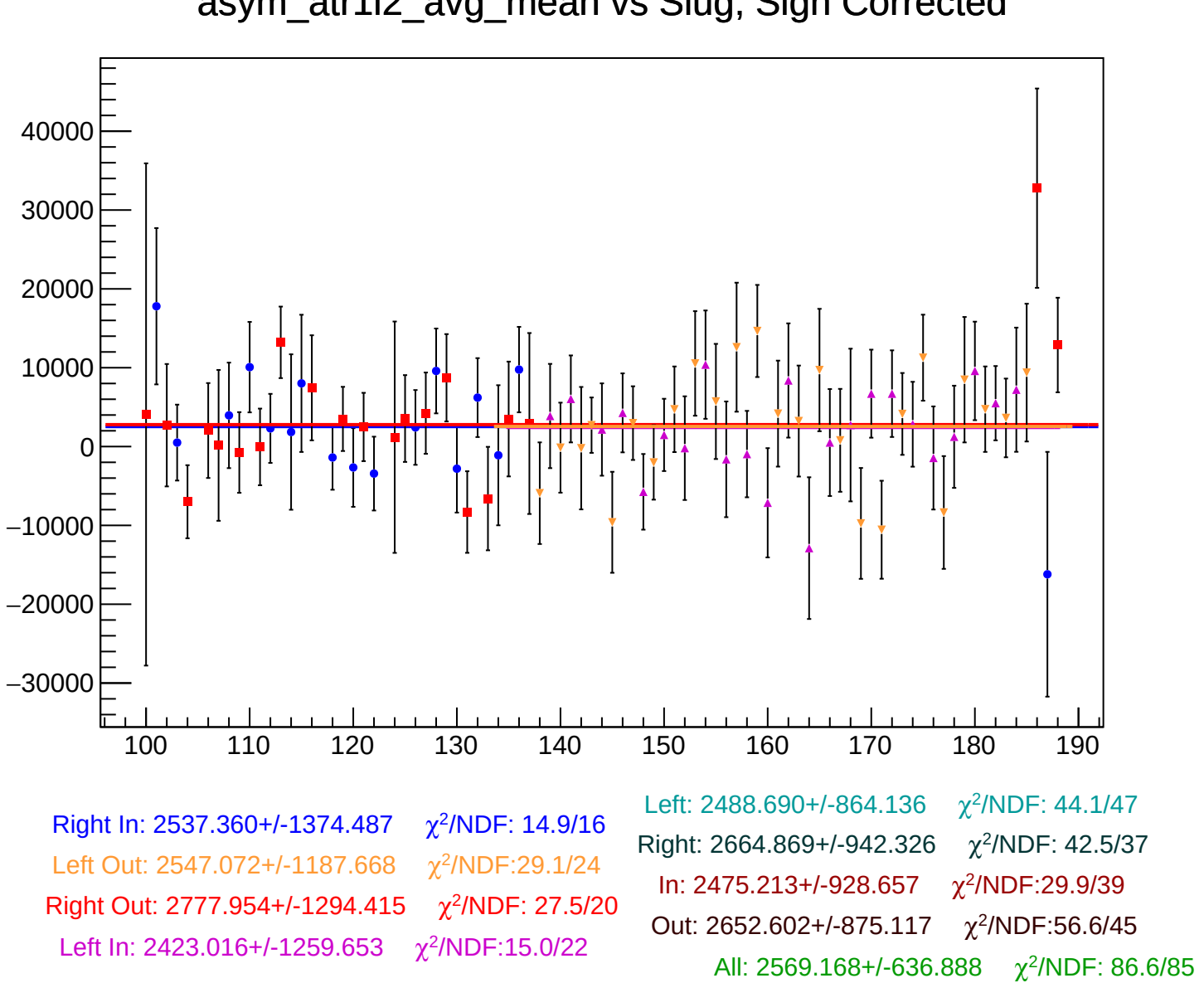
Left: 5034.296+/-0.597 χ^2/NDF: 3560333.0/47

Right: 3005.874+/-0.557 χ^2/NDF: 3157415.7/37

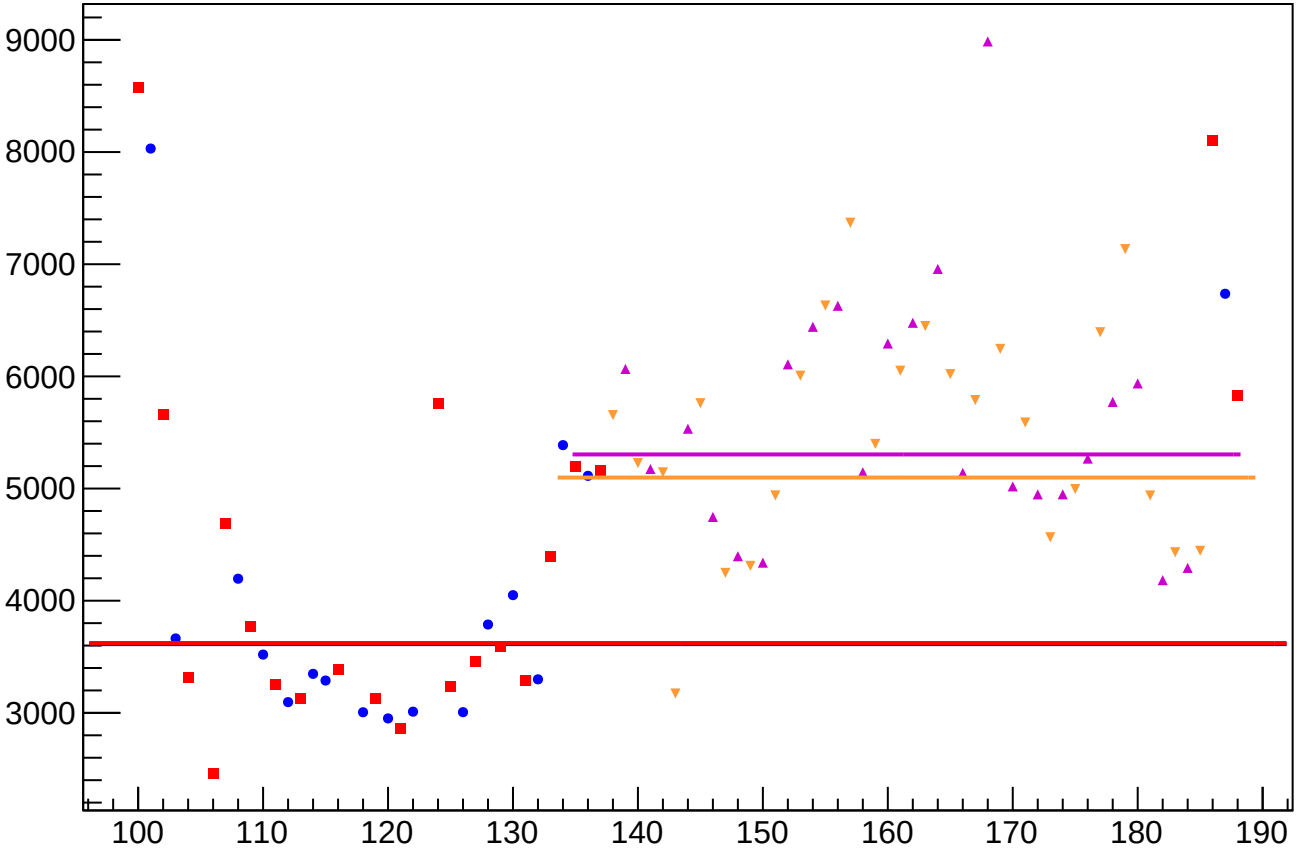
In: 4117.446+/-0.607 χ^2/NDF:5149721.9/39

Out: 3813.405+/-0.549 χ^2/NDF:7606265.0/45

All: 3950.155+/-0.407 χ^2/NDF: 12894006.1/8


asym_atr1l2_avg_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
160
170
180
190
Right In: 2537.360+/-1374.487 χ²/NDF: 14.9/16
Left Out: 2547.072+/-1187.668 χ²/NDF:29.1/24
Right Out: 2777.954+/-1294.415 χ²/NDF: 27.5/20
Left In: 2423.016+/-1259.653 χ²/NDF:15.0/22
Left: 2488.690+/-864.136 χ²/NDF: 44.1/47
Right: 2664.869+/-942.326 χ²/NDF: 42.5/37
In: 2475.213+/-928.657 χ²/NDF:29.9/39
Out: 2652.602+/-875.117 χ²/NDF:56.6/45
All: 2569.168+/-636.888 χ²/NDF: 86.6/85

asym_atr1l2_avg_rms vs Slug, Sign Corrected



Right In: 3613.112+/-0.972 χ^2/NDF: 926834.5/16

Left Out: 5097.995+/-0.840 χ^2/NDF:1544385.5/24

Right Out: 3622.663+/-0.902 χ^2/NDF: 1216152.8/20

Left In: 5304.171+/-0.891 χ^2/NDF:1017974.6/22

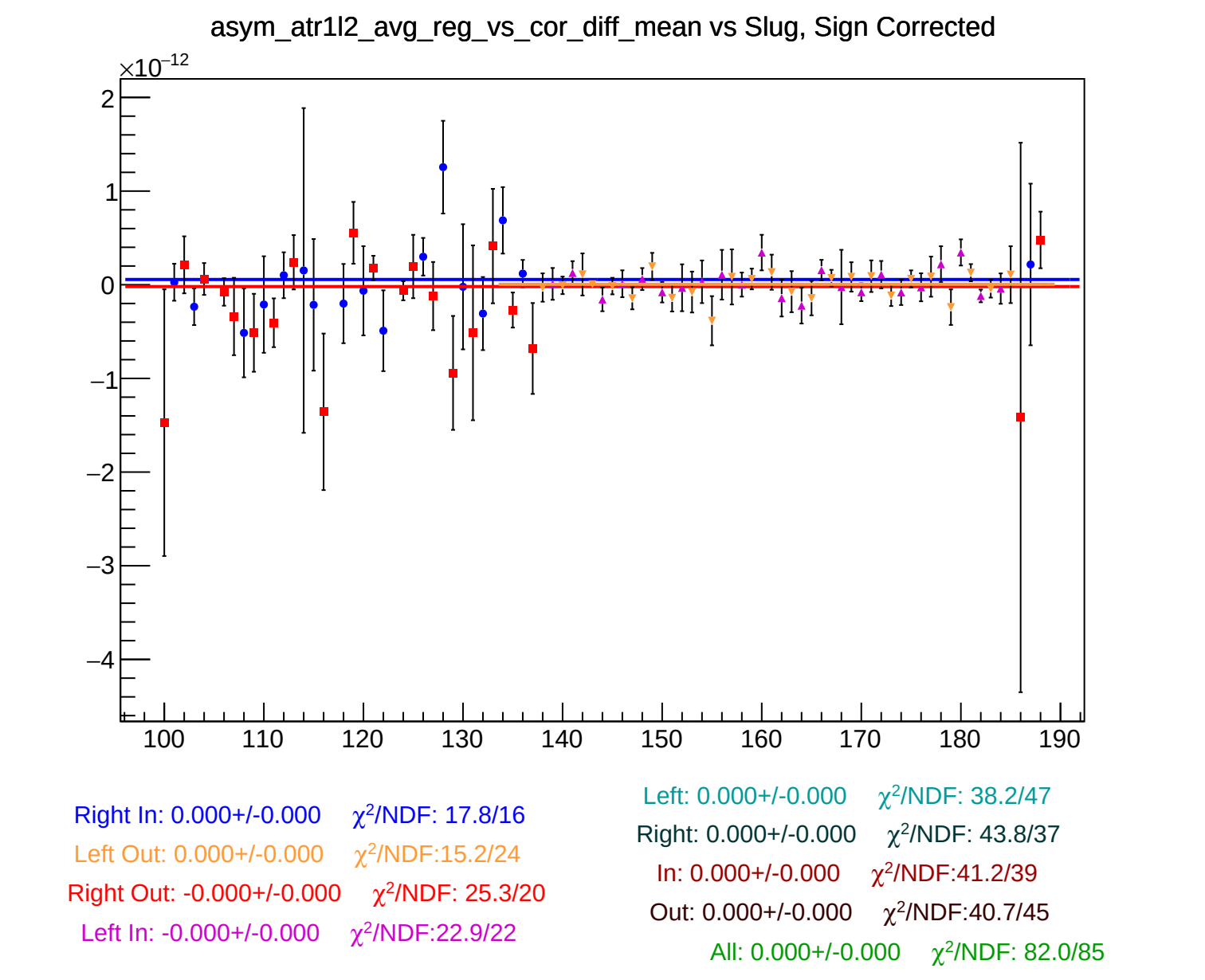
Left: 5195.024+/-0.611 χ^2/NDF: 2590724.7/47

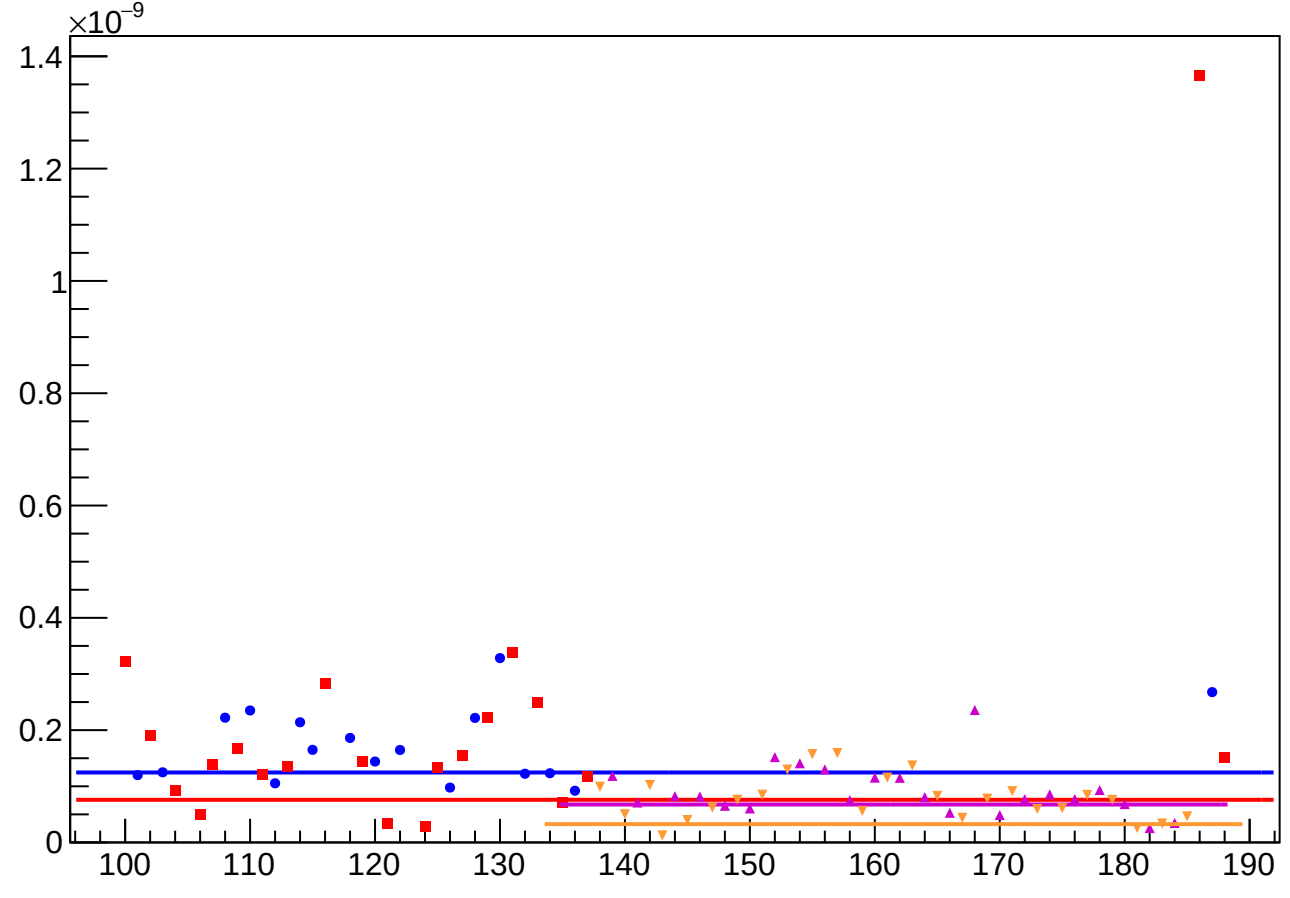
Right: 3618.243+/-0.661 χ^2/NDF: 2143039.2/37

In: 4532.221+/-0.657 χ^2/NDF:3590226.0/39

Out: 4413.074+/-0.615 χ^2/NDF:4193288.1/45

All: 4468.719+/-0.449 χ^2/NDF: 7801060.5/85


asym_atr1l2_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
1
0
−1
−2
−3
−4
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 17.8/16
Left Out: 0.000+/-0.000 χ²/NDF:15.2/24
Right Out: -0.000+/-0.000 χ²/NDF: 25.3/20
Left In: -0.000+/-0.000 χ²/NDF:22.9/22
Left: 0.000+/-0.000 χ²/NDF: 38.2/47
Right: 0.000+/-0.000 χ²/NDF: 43.8/37
In: 0.000+/-0.000 χ²/NDF:41.2/39
Out: 0.000+/-0.000 χ²/NDF:40.7/45
All: 0.000+/-0.000 χ²/NDF: 82.0/85



Right In: 0.000+/-0.000 χ^2/NDF: 717561.0/16

Left Out: 0.000+/-0.000 χ^2/NDF:6126369.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2706575.3/20

Left In: 0.000+/-0.000 χ^2/NDF:2448729.8/22

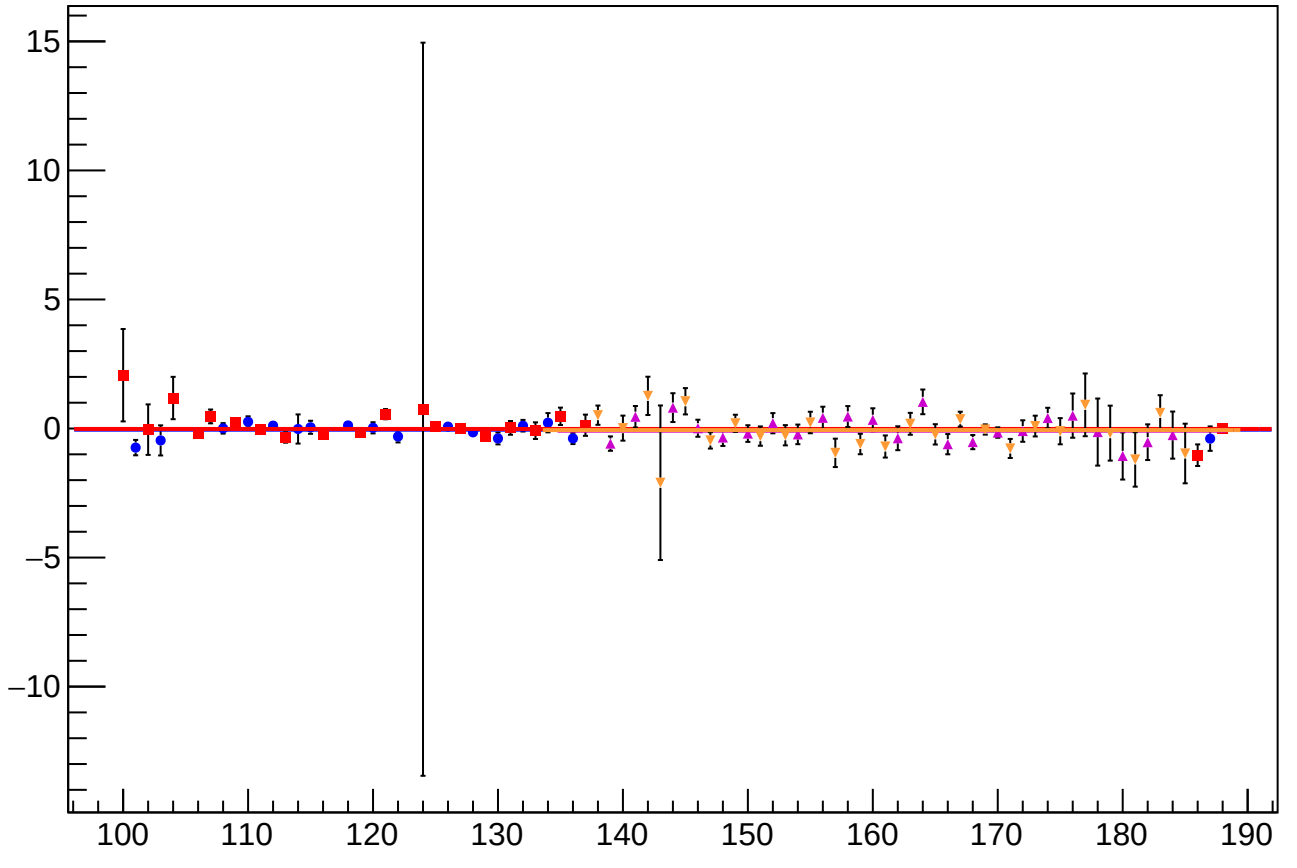
Left: 0.000+/-0.000 χ^2/NDF: 10780036.3/47

Right: 0.000+/-0.000 χ^2/NDF: 4011167.3/37

In: 0.000+/-0.000 χ^2/NDF:4229636.5/39

Out: 0.000+/-0.000 χ^2/NDF:10067210.5/45

All: 0.000+/-0.000 χ^2/NDF: 17309561.2/85



Right In: -0.044+/-0.055 χ^2/NDF: 18.5/16

Left Out: -0.061+/-0.084 χ^2/NDF:30.8/24

Right Out: -0.017+/-0.047 χ^2/NDF: 34.7/20

Left In: -0.084+/-0.081 χ^2/NDF:27.0/22

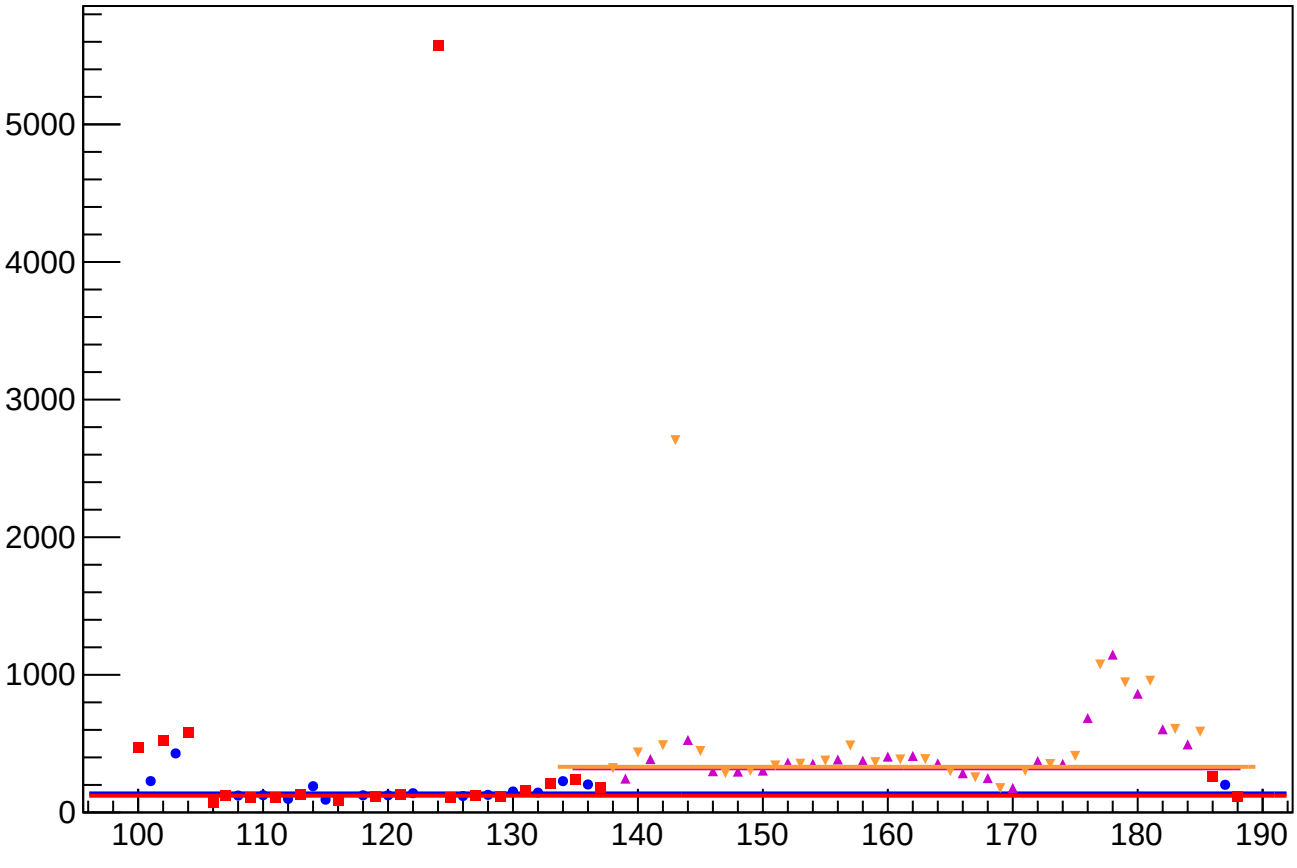
Left: -0.073+/-0.058 χ^2/NDF: 57.8/47

Right: -0.028+/-0.036 χ^2/NDF: 53.3/37

In: -0.057+/-0.046 χ^2/NDF:45.7/39

Out: -0.027+/-0.041 χ^2/NDF:65.7/45

All: -0.041+/-0.031 χ^2/NDF: 111.6/85



Right In: 138.274+/-0.039 χ^2/NDF: 1304053.2/16

Left Out: 331.651+/-0.059 χ^2/NDF:5838206.4/24

Right Out: 121.699+/-0.033 χ^2/NDF: 2371363.6/20

Left In: 320.746+/-0.057 χ^2/NDF:4248172.2/22

Left: 326.030+/-0.041 χ^2/NDF: 10103882.3/47

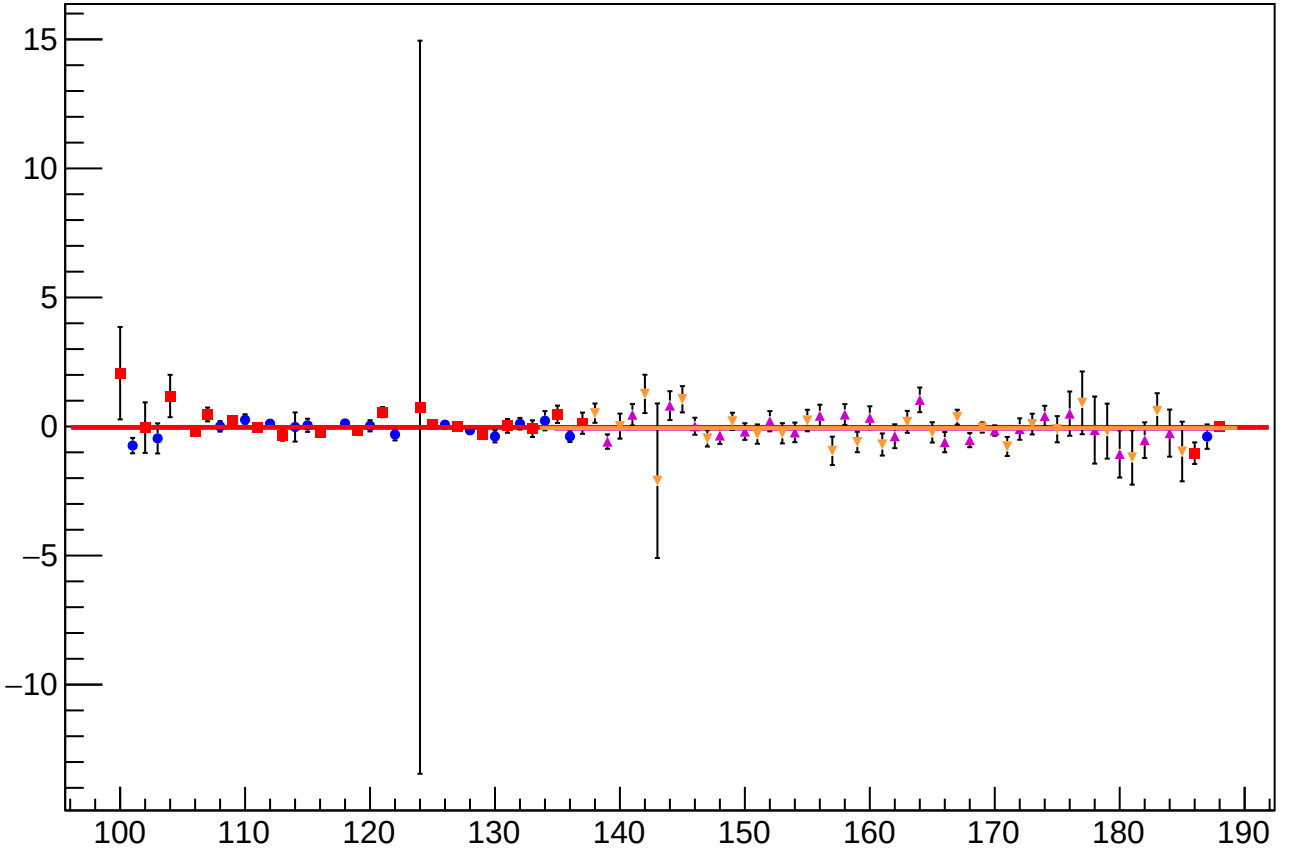
Right: 128.645+/-0.025 χ^2/NDF: 3779288.9/37

In: 196.337+/-0.032 χ^2/NDF:12447279.2/39

Out: 172.175+/-0.029 χ^2/NDF:17769825.4/45

All: 182.941+/-0.022 χ^2/NDF: 30526067.9/85

asym_atr1l2_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.044+/-0.055 χ^2/NDF: 18.5/16

Left Out: -0.061+/-0.084 χ^2/NDF:30.8/24

Right Out: -0.017+/-0.047 χ^2/NDF: 34.7/20

Left In: -0.084+/-0.081 χ^2/NDF:27.0/22

Left: -0.073+/-0.058 χ^2/NDF: 57.8/47

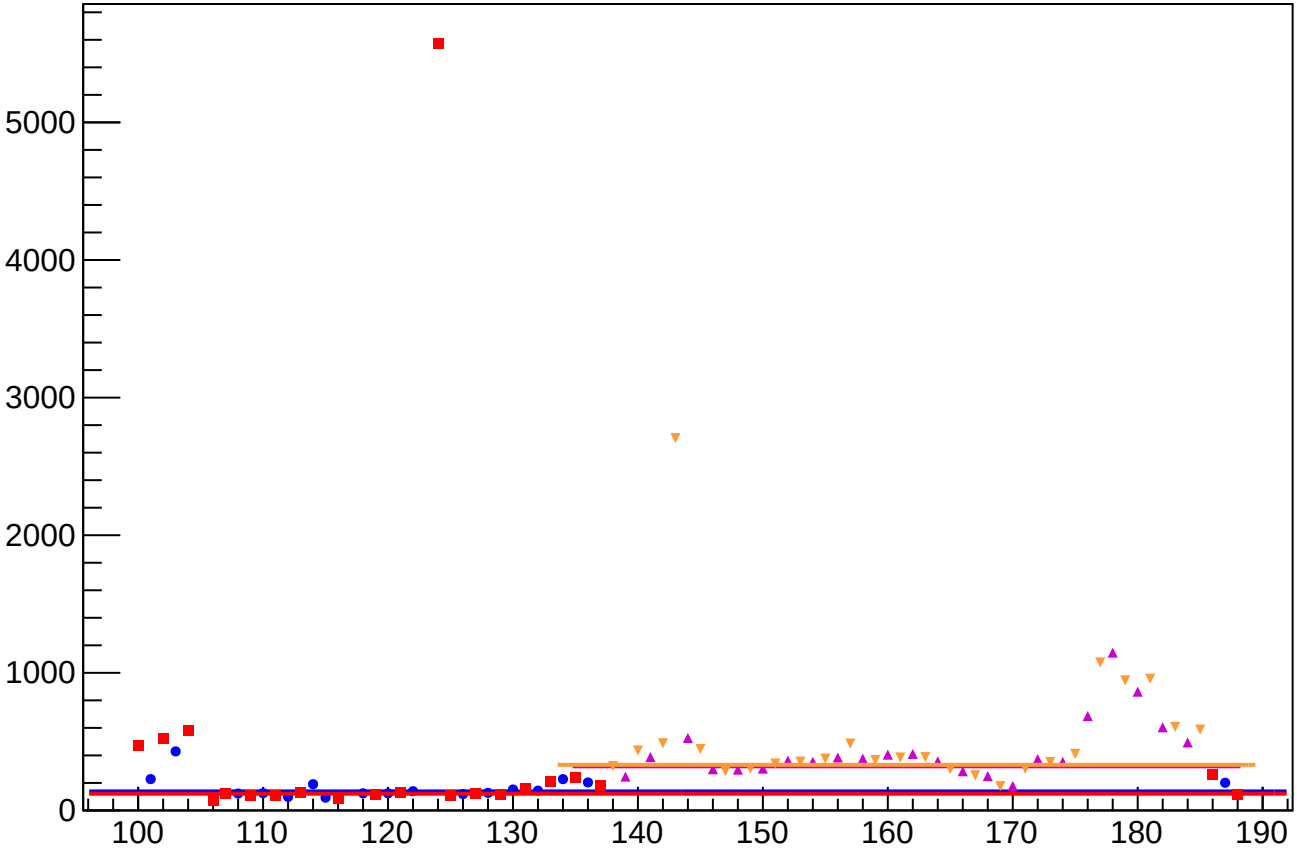
Right: -0.028+/-0.036 χ^2/NDF: 53.3/37

In: -0.057+/-0.046 χ^2/NDF:45.7/39

Out: -0.027+/-0.041 χ^2/NDF:65.7/45

All: -0.041+/-0.031 χ^2/NDF: 111.6/85

asym_atr1l2_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 138.274+/-0.039 χ^2/NDF: 1304053.2/16

Left Out: 331.651+/-0.059 χ^2/NDF:5838206.4/24

Right Out: 121.699+/-0.033 χ^2/NDF: 2371363.6/20

Left In: 320.746+/-0.057 χ^2/NDF:4248172.2/22

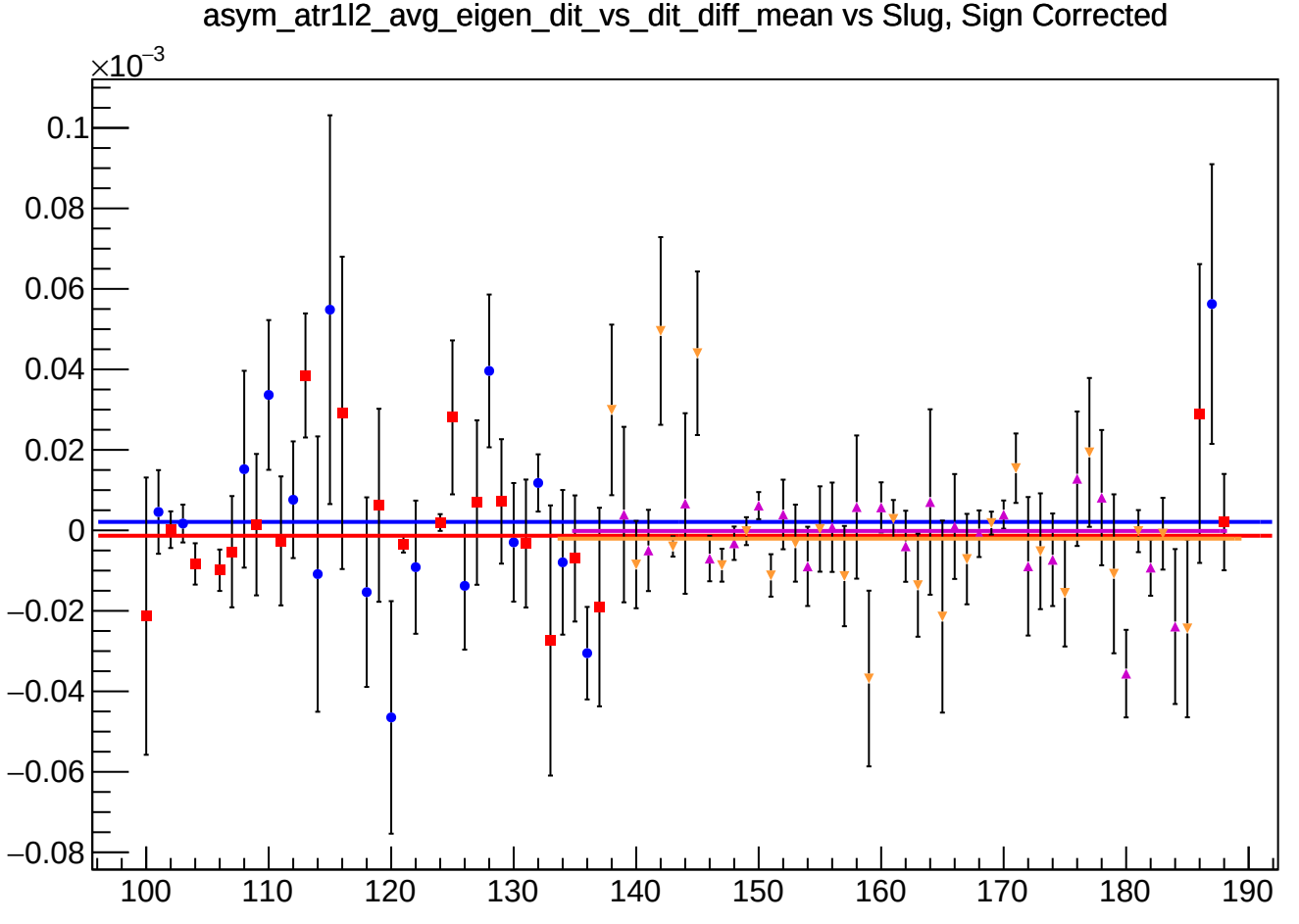
Left: 326.030+/-0.041 χ^2/NDF: 10103882.3/47

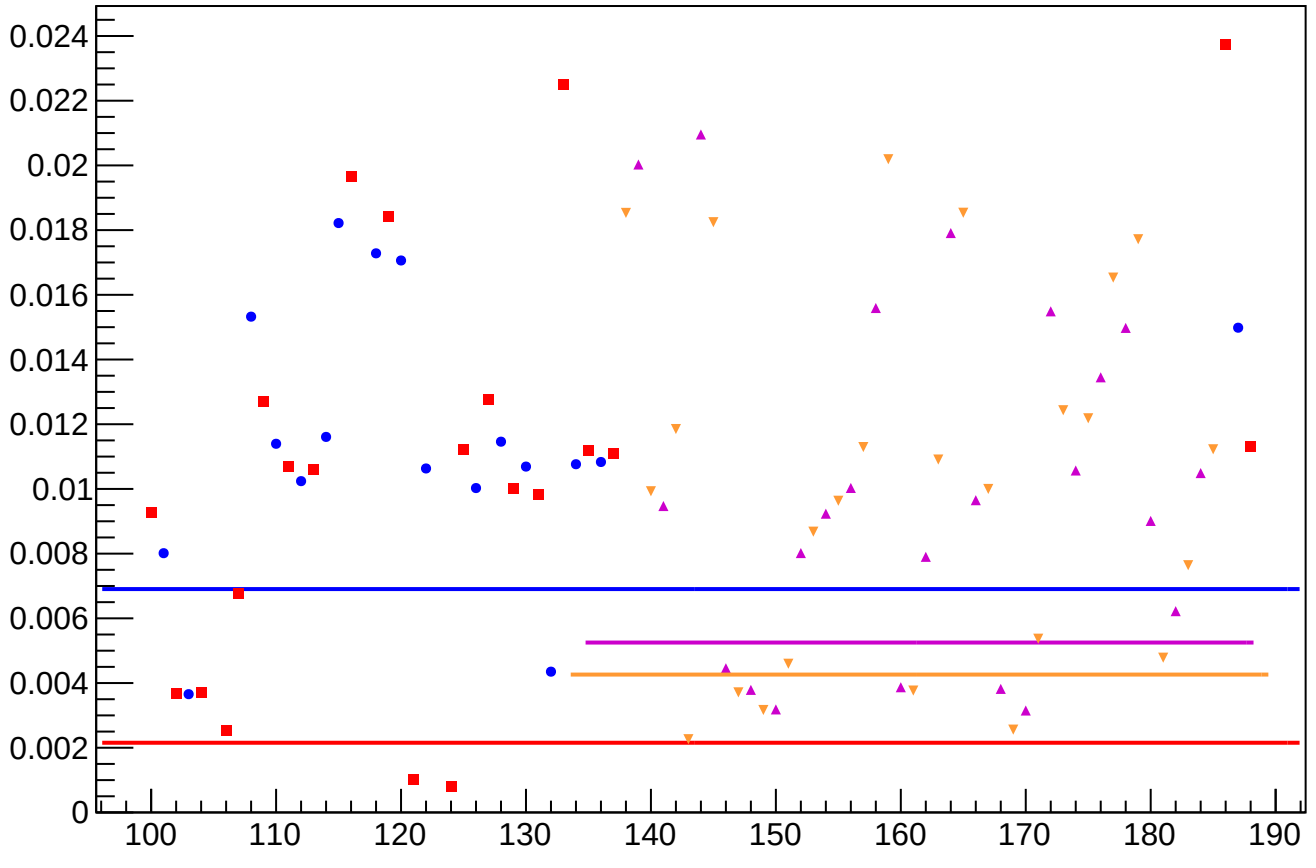
Right: 128.645+/-0.025 χ^2/NDF: 3779288.9/37

In: 196.337+/-0.032 χ^2/NDF:12447279.2/39

Out: 172.175+/-0.029 χ^2/NDF:17769825.4/45

All: 182.941+/-0.022 χ^2/NDF: 30526067.9/85


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
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 26.2/16
Left Out: -0.000+/-0.000 χ²/NDF:34.8/24
Right Out: -0.000+/-0.000 χ²/NDF: 21.0/20
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: 48.4/37
In: 0.000+/-0.000 χ²/NDF:51.6/39
Out: -0.000+/-0.000 χ²/NDF:56.0/45
All: -0.000+/-0.000 χ²/NDF: 109.1/85



Right In: 0.007+/-0.000 χ^2/NDF: 3339014.1/16

Left Out: 0.004+/-0.000 χ^2/NDF:12968514.8/24

Right Out: 0.002+/-0.000 χ^2/NDF: 10876917.2/20

Left In: 0.005+/-0.000 χ^2/NDF:9531217.7/22

Left: 0.005+/-0.000 χ^2/NDF: 23007822.3/47

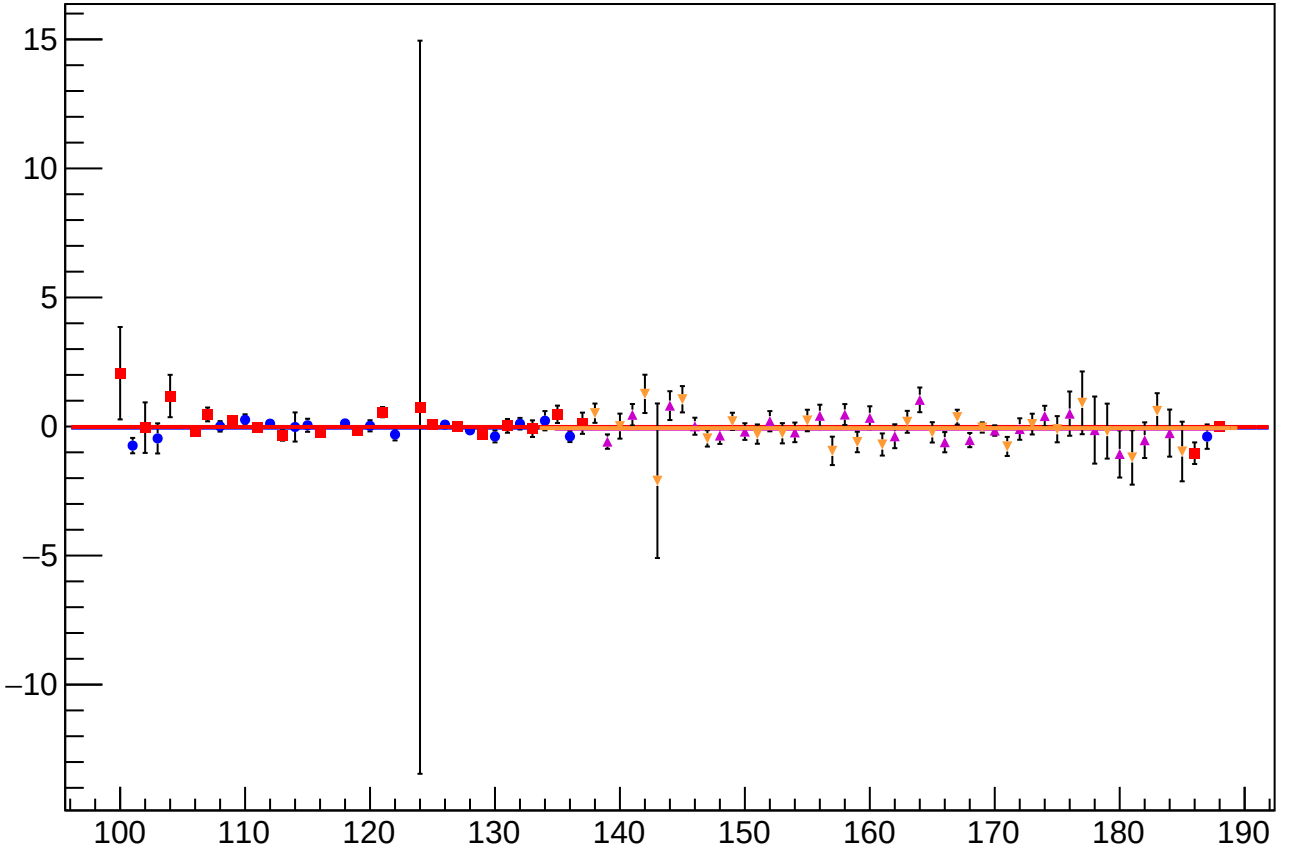
Right: 0.003+/-0.000 χ^2/NDF: 18597281.1/37

In: 0.006+/-0.000 χ^2/NDF:13365022.0/39

Out: 0.003+/-0.000 χ^2/NDF:26700769.0/45

All: 0.004+/-0.000 χ^2/NDF: 44440204.3/85

asym_atr1l2_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.044+/-0.055 χ^2/NDF: 18.5/16

Left Out: -0.061+/-0.084 χ^2/NDF:30.8/24

Right Out: -0.017+/-0.047 χ^2/NDF: 34.7/20

Left In: -0.084+/-0.081 χ^2/NDF:27.0/22

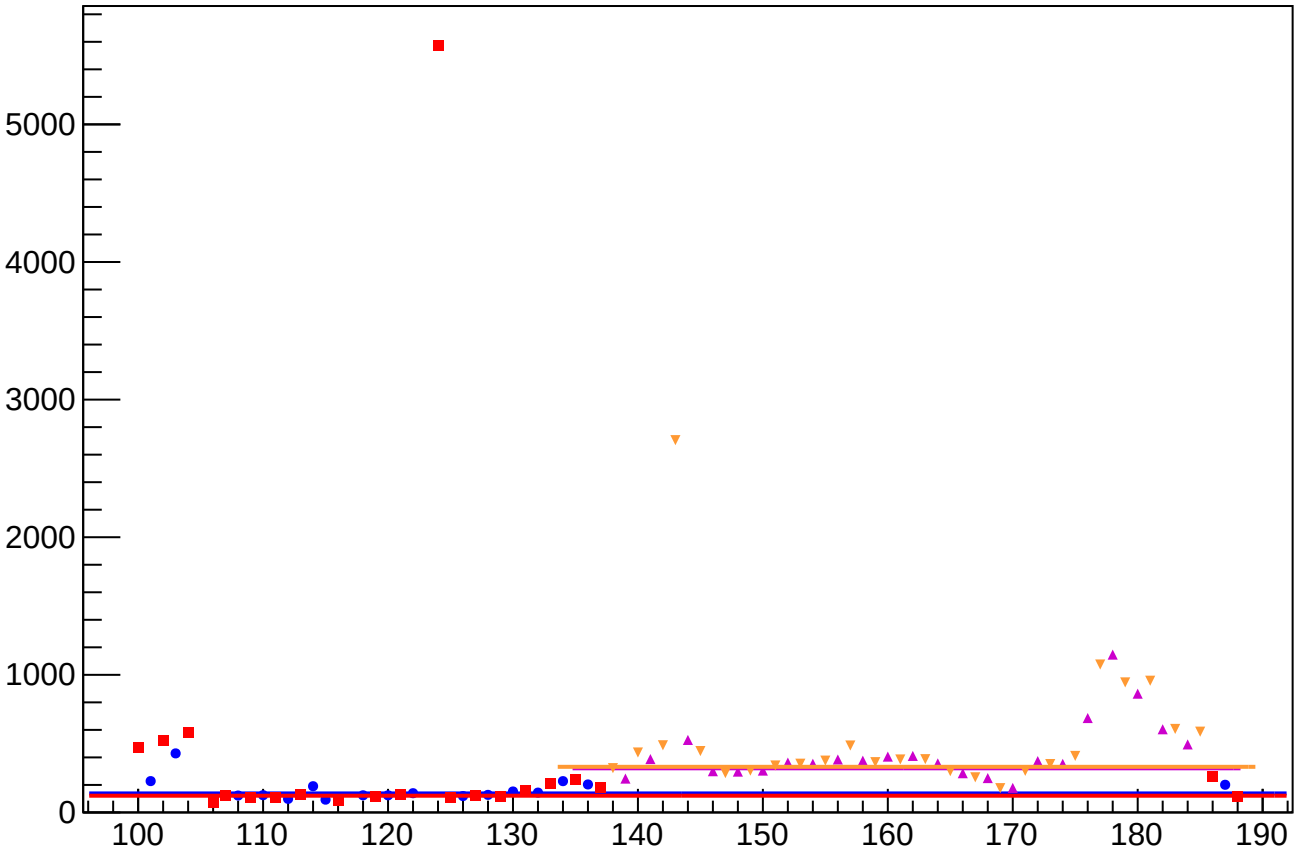
Left: -0.073+/-0.058 χ^2/NDF: 57.8/47

Right: -0.028+/-0.036 χ^2/NDF: 53.3/37

In: -0.057+/-0.046 χ^2/NDF:45.7/39

Out: -0.027+/-0.041 χ^2/NDF:65.7/45

All: -0.041+/-0.031 χ^2/NDF: 111.6/85



Right In: 138.275+/-0.039 χ^2/NDF: 1304001.1/16

Left Out: 331.653+/-0.059 χ^2/NDF:5838264.0/24

Right Out: 121.698+/-0.033 χ^2/NDF: 2371279.6/20

Left In: 320.749+/-0.057 χ^2/NDF:4248171.3/22

Left: 326.033+/-0.041 χ^2/NDF: 10103935.7/47

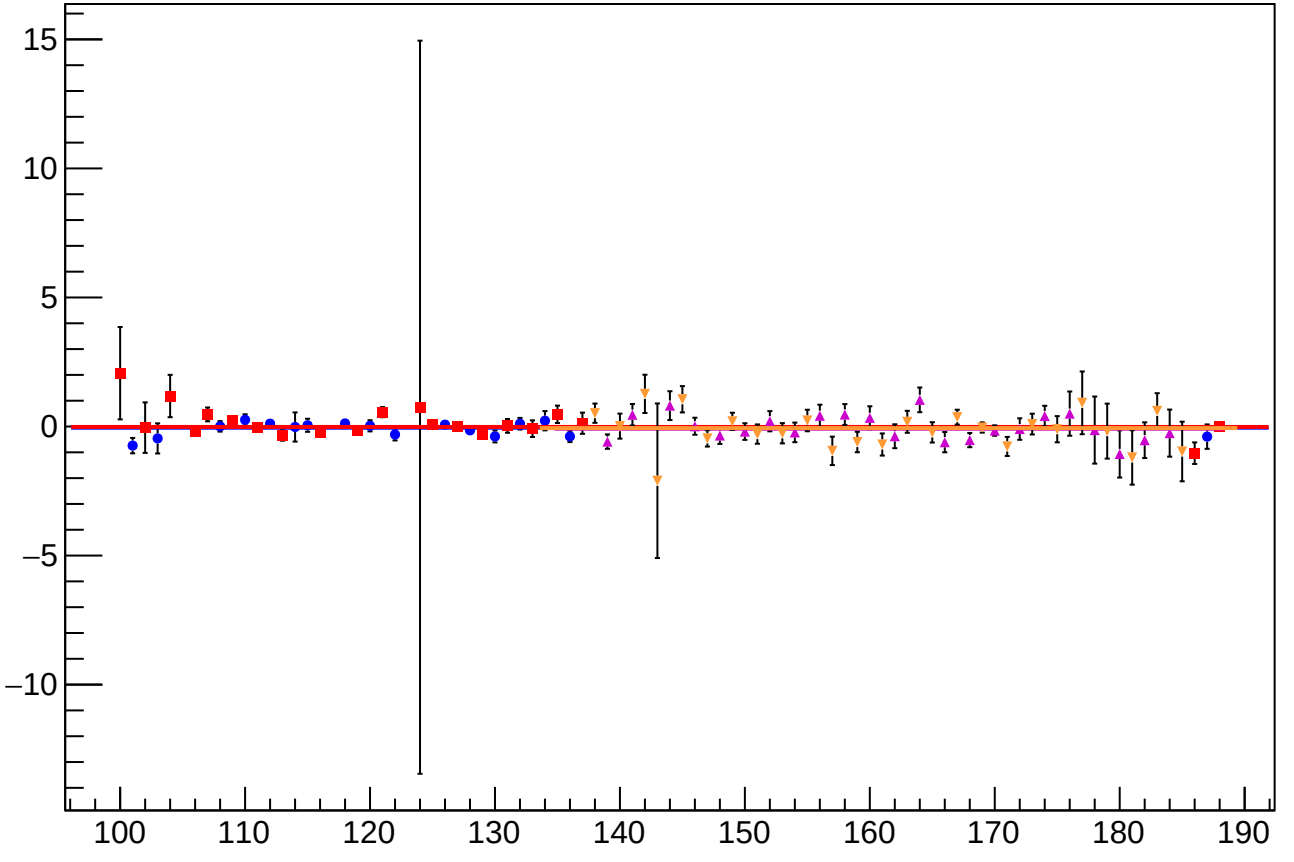
Right: 128.645+/-0.025 χ^2/NDF: 3779170.8/37

In: 196.339+/-0.032 χ^2/NDF:12447258.2/39

Out: 172.174+/-0.029 χ^2/NDF:17769946.8/45

All: 182.941+/-0.022 χ^2/NDF: 30526220.2/85

asym_atr1l2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.044+/-0.055 χ^2/NDF: 18.5/16

Left Out: -0.061+/-0.084 χ^2/NDF:30.8/24

Right Out: -0.017+/-0.047 χ^2/NDF: 34.7/20

Left In: -0.084+/-0.081 χ^2/NDF:27.0/22

Left: -0.073+/-0.058 χ^2/NDF: 57.8/47

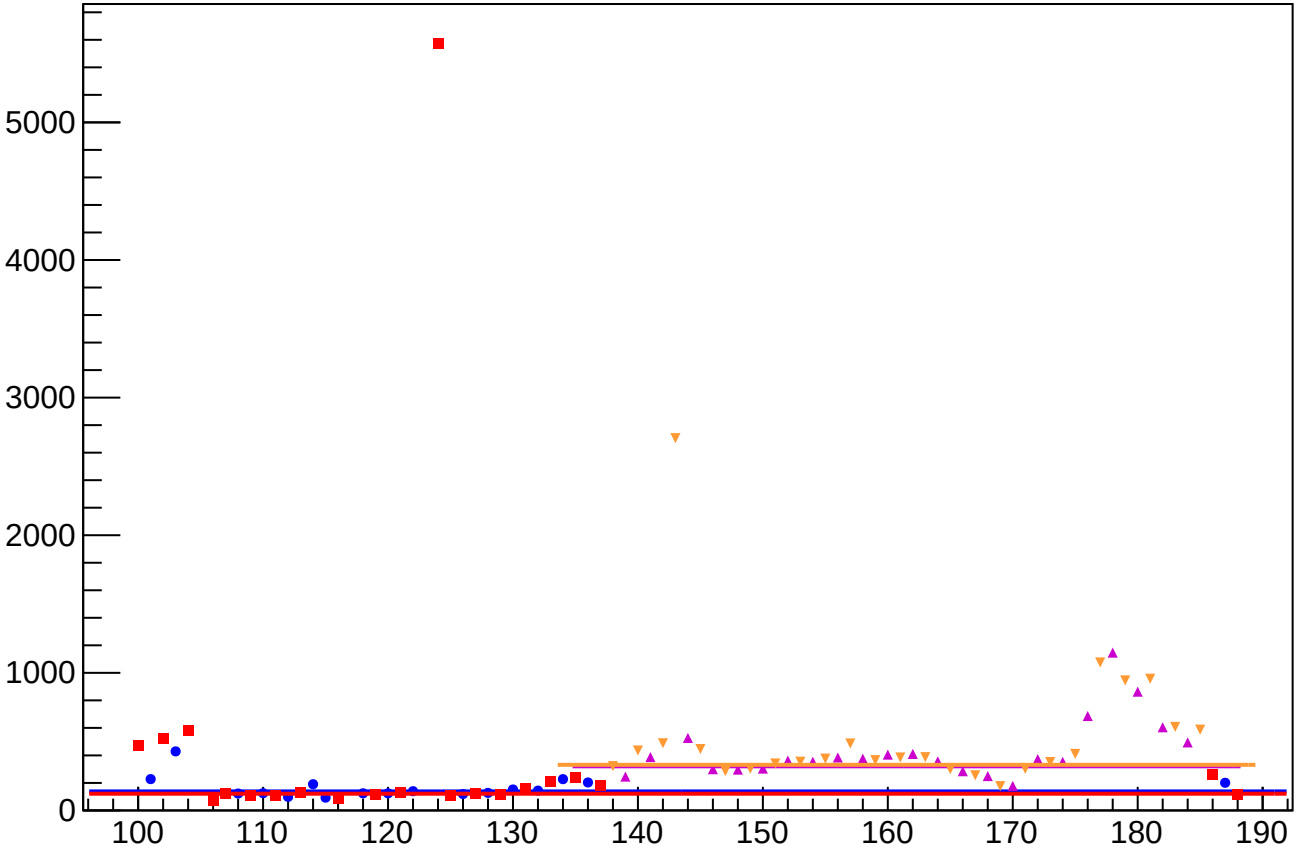
Right: -0.028+/-0.036 χ^2/NDF: 53.3/37

In: -0.057+/-0.046 χ^2/NDF:45.7/39

Out: -0.027+/-0.041 χ^2/NDF:65.7/45

All: -0.041+/-0.031 χ^2/NDF: 111.6/85

asym_atr1l2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 138.275+/-0.039 χ^2/NDF: 1304001.1/16

Left Out: 331.653+/-0.059 χ^2/NDF:5838264.0/24

Right Out: 121.698+/-0.033 χ^2/NDF: 2371279.6/20

Left In: 320.749+/-0.057 χ^2/NDF:4248171.3/22

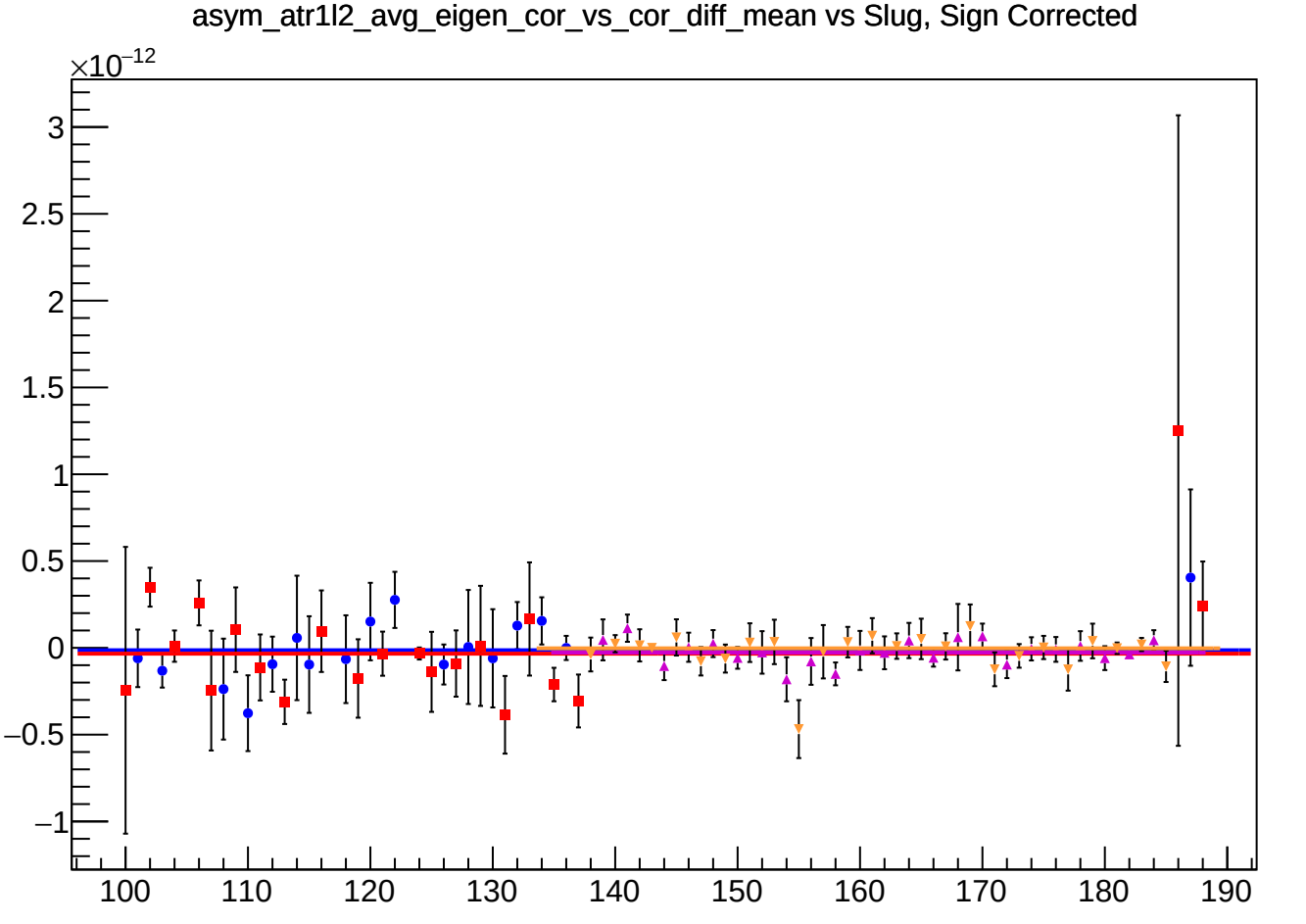
Left: 326.033+/-0.041 χ^2/NDF: 10103935.7/47

Right: 128.645+/-0.025 χ^2/NDF: 3779170.8/37

In: 196.339+/-0.032 χ^2/NDF:12447258.2/39

Out: 172.174+/-0.029 χ^2/NDF:17769946.8/45

All: 182.941+/-0.022 χ^2/NDF: 30526220.2/85



Right In: -0.000+/-0.000 χ^2/NDF: 13.0/16

Left Out: -0.000+/-0.000 χ^2/NDF:17.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 34.8/20

Left In: -0.000+/-0.000 χ^2/NDF:16.1/22

Left: -0.000+/-0.000 χ^2/NDF: 34.9/47

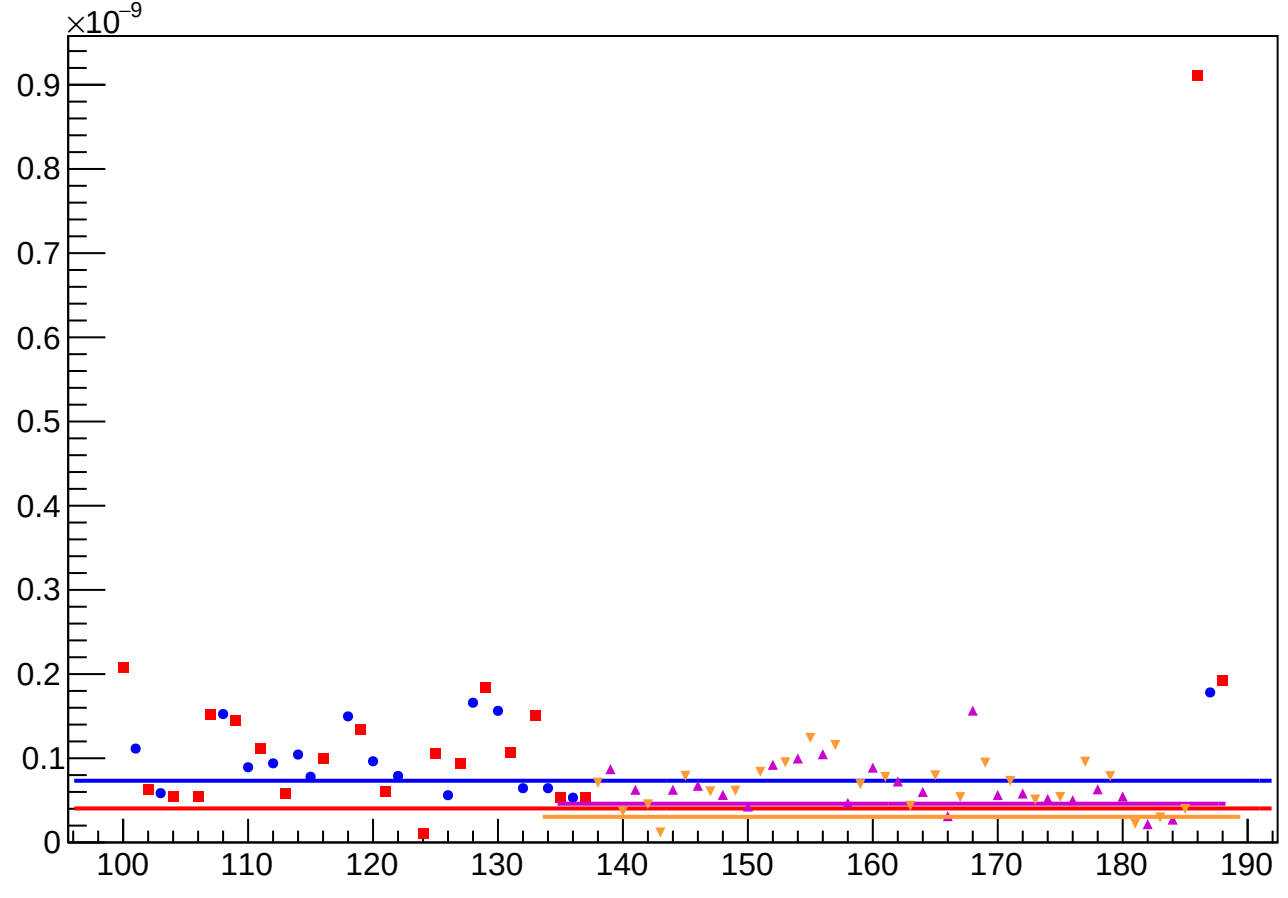
Right: -0.000+/-0.000 χ^2/NDF: 48.0/37

In: -0.000+/-0.000 χ^2/NDF:29.2/39

Out: -0.000+/-0.000 χ^2/NDF:53.0/45

All: -0.000+/-0.000 χ^2/NDF: 83.3/85

asym_atr1l2_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1213791.7/16

Left Out: 0.000+/-0.000 χ^2/NDF:10517831.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5433499.0/20

Left In: 0.000+/-0.000 χ^2/NDF:4899715.4/22

Left: 0.000+/-0.000 χ^2/NDF: 16912386.2/47

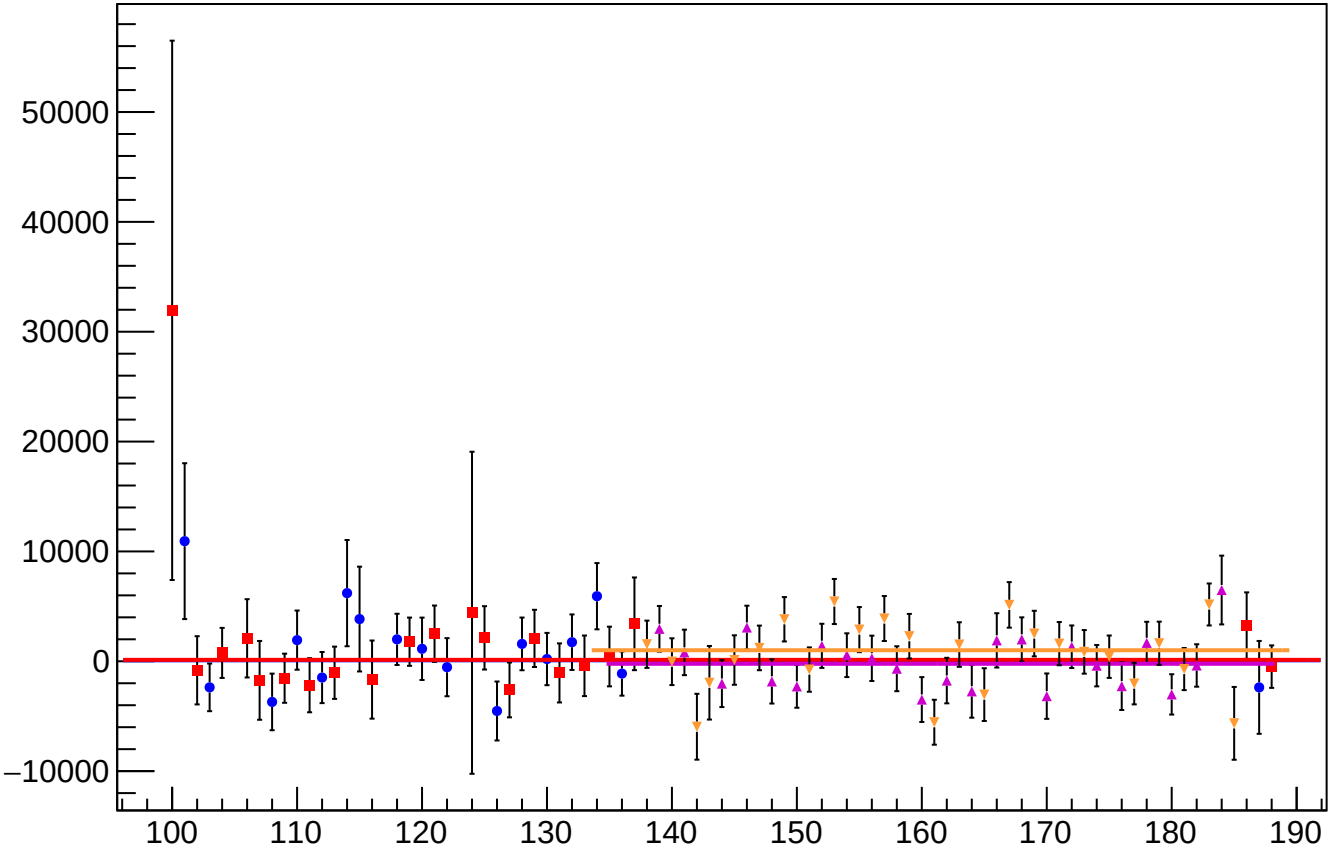
Right: 0.000+/-0.000 χ^2/NDF: 7721008.1/37

In: 0.000+/-0.000 χ^2/NDF:7051123.1/39

Out: 0.000+/-0.000 χ^2/NDF:16213940.4/45

All: 0.000+/-0.000 χ^2/NDF: 25493013.1/85

reg_asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: 89.308+/-658.876 χ^2/NDF: 18.0/16

Left Out: 1004.165+/-422.582 χ^2/NDF:47.4/24

Right Out: 129.182+/-607.951 χ^2/NDF: 10.1/20

Left In: -229.321+/-429.699 χ^2/NDF:26.4/22

Left: 397.721+/-301.295 χ^2/NDF: 77.9/47

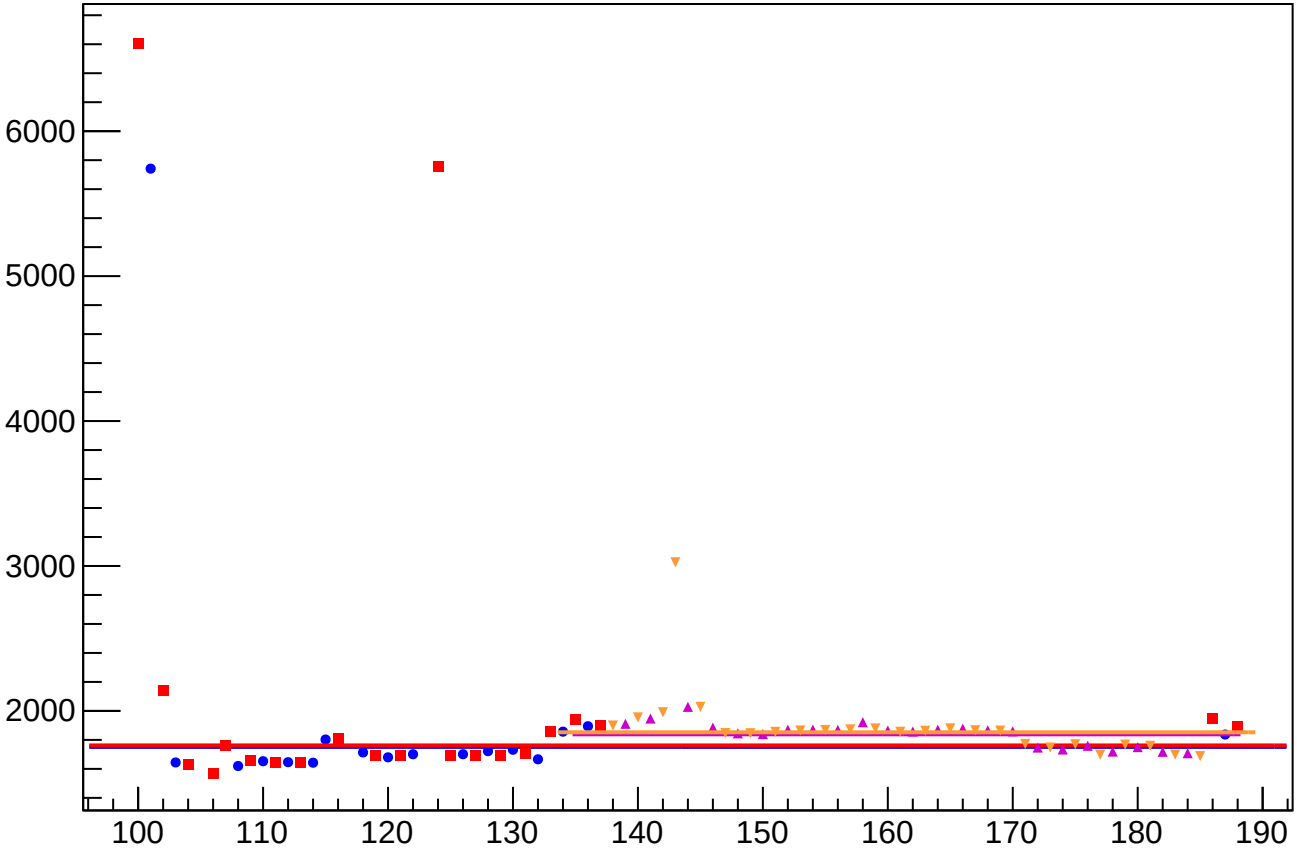
Right: 110.845+/-446.806 χ^2/NDF: 28.1/37

In: -134.241+/-359.921 χ^2/NDF:44.5/39

Out: 719.129+/-346.991 χ^2/NDF:58.9/45

All: 308.048+/-249.806 χ^2/NDF: 106.4/85

reg_asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 1751.984+/-0.466 χ^2/NDF: 670406.7/16

Left Out: 1852.534+/-0.299 χ^2/NDF:321038.9/24

Right Out: 1761.796+/-0.427 χ^2/NDF: 323648.1/20

Left In: 1838.528+/-0.304 χ^2/NDF:68478.0/22

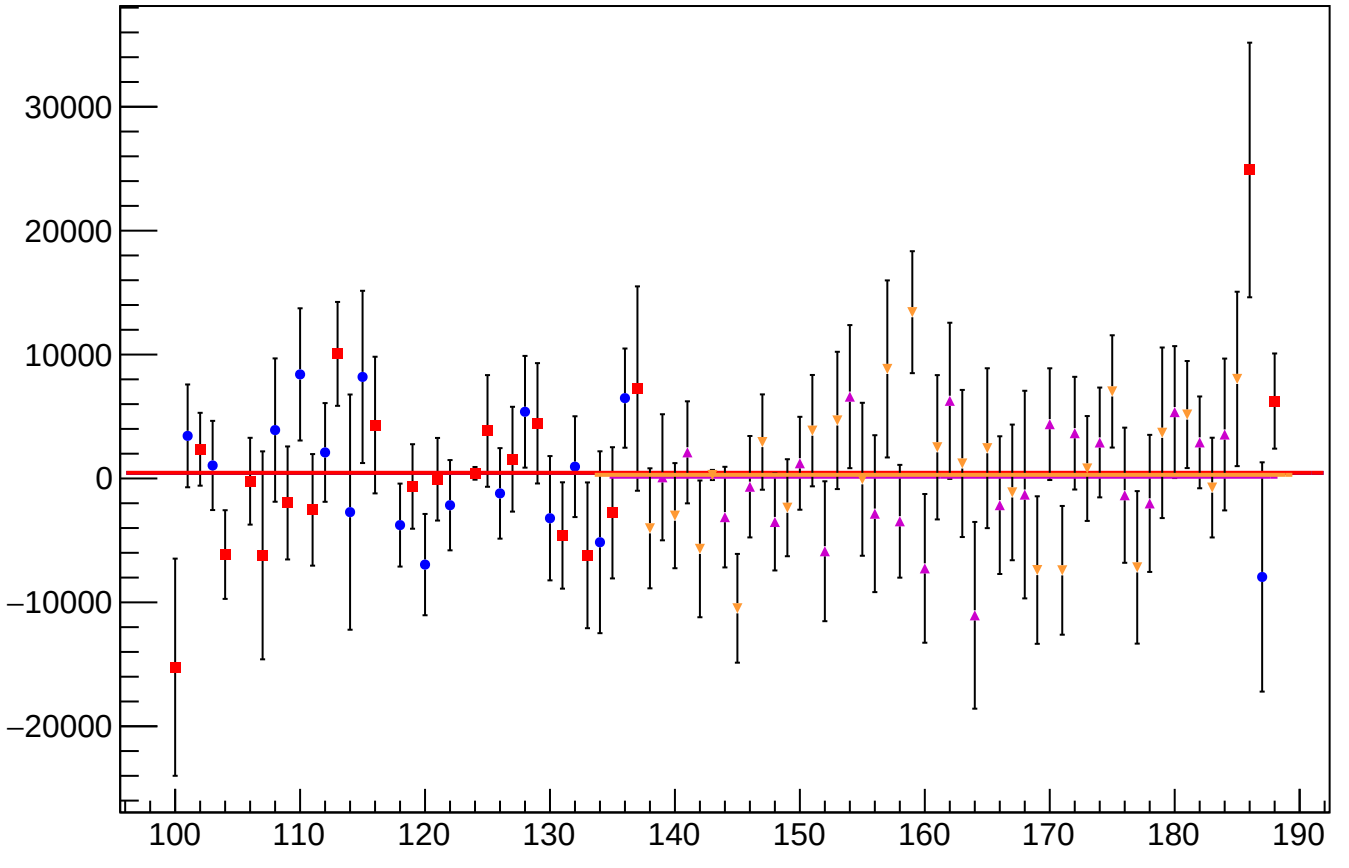
Left: 1845.648+/-0.213 χ^2/NDF: 390597.1/47

Right: 1757.315+/-0.315 χ^2/NDF: 994295.8/37

In: 1812.703+/-0.255 χ^2/NDF:763094.4/39

Out: 1822.722+/-0.245 χ^2/NDF:674983.3/45

All: 1817.906+/-0.176 χ^2/NDF: 1438882.6/85



Right In: 443.483+/-1093.447 χ^2/NDF: 15.6/16

Left Out: 294.407+/-379.922 χ^2/NDF:30.0/24

Right Out: 456.431+/-454.283 χ^2/NDF: 27.2/20

Left In: 138.350+/-1022.943 χ^2/NDF:13.9/22

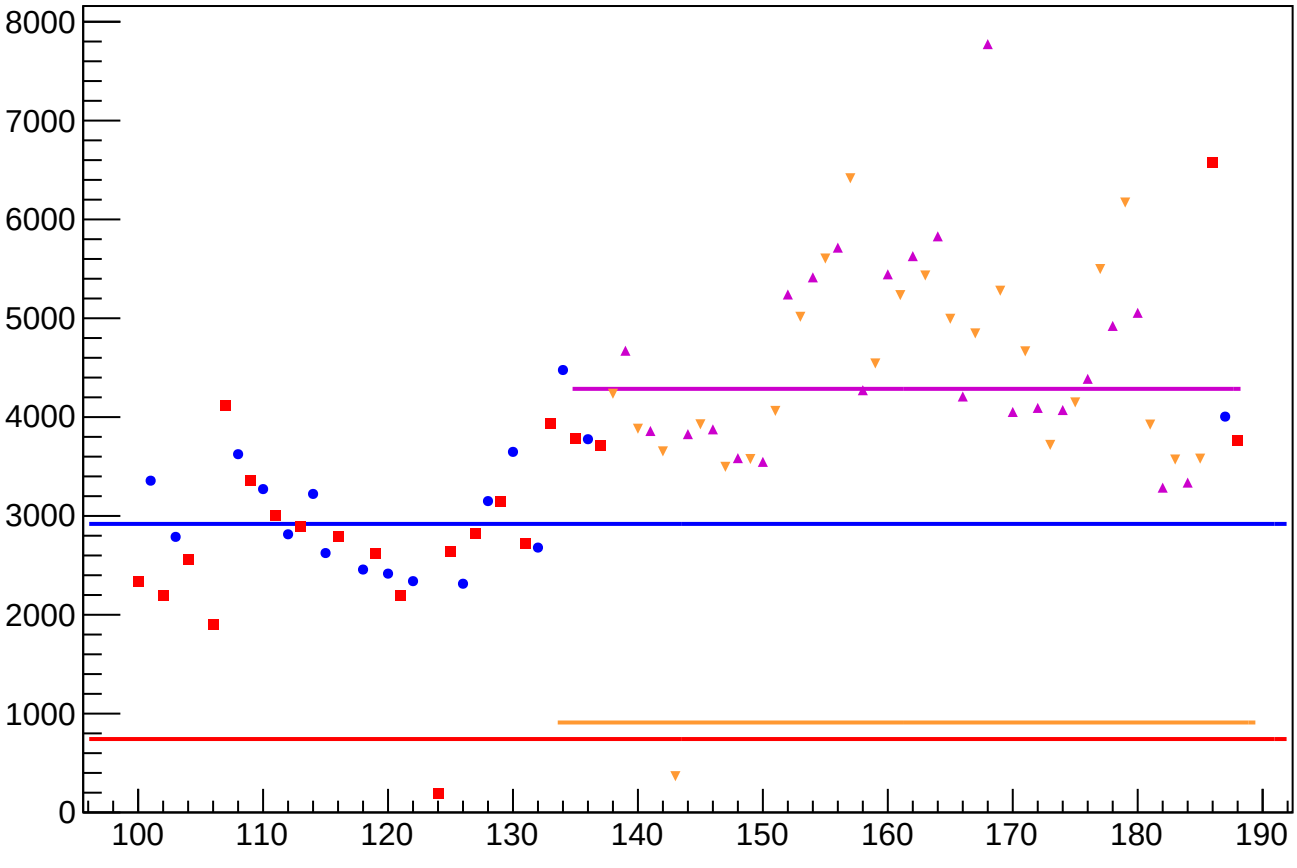
Left: 275.490+/-356.152 χ^2/NDF: 43.9/47

Right: 454.525+/-419.518 χ^2/NDF: 42.9/37

In: 280.763+/-747.012 χ^2/NDF:29.6/39

Out: 361.090+/-291.437 χ^2/NDF:57.3/45

All: 350.479+/-271.506 χ^2/NDF: 86.9/85



Right In: 2919.431+/-0.773 χ^2/NDF: 507685.9/16

Left Out: 910.135+/-0.269 χ^2/NDF:26774123.9/24

Right Out: 742.831+/-0.321 χ^2/NDF: 12057508.6/20

Left In: 4285.839+/-0.723 χ^2/NDF:1327947.9/22

Left: 1319.331+/-0.252 χ^2/NDF: 47241855.7/47

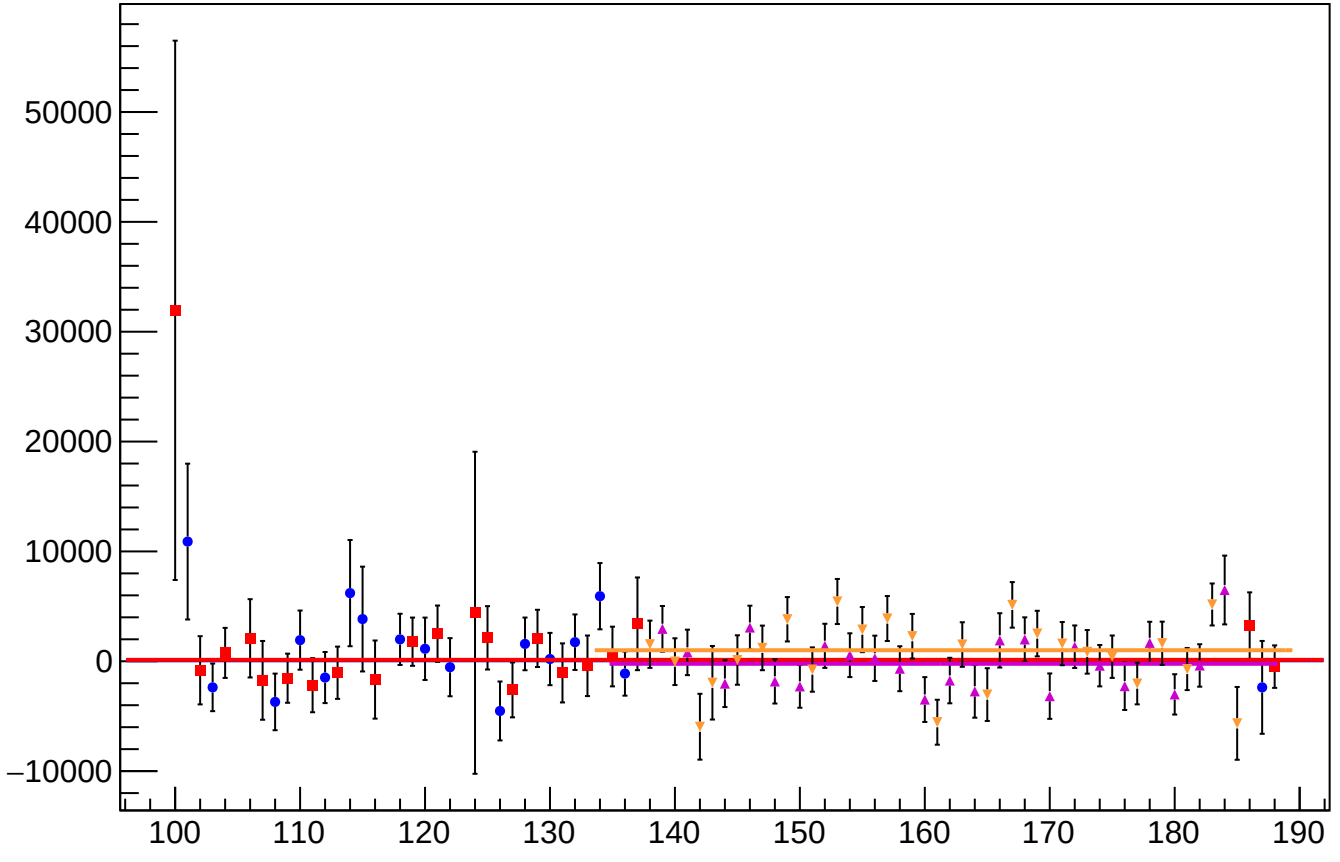
Right: 1063.224+/-0.297 χ^2/NDF: 19323523.0/37

In: 3648.104+/-0.528 χ^2/NDF:3501142.9/39

Out: 841.279+/-0.206 χ^2/NDF:38991253.3/45

All: 1212.061+/-0.192 χ^2/NDF: 66998549.7/8

cor_asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: 88.864+/-658.876 χ^2/NDF: 18.0/16

Left Out: 1004.123+/-422.582 χ^2/NDF:47.4/24

Right Out: 129.184+/-607.951 χ^2/NDF: 10.1/20

Left In: -229.236+/-429.699 χ^2/NDF:26.4/22

Left: 397.741+/-301.295 χ^2/NDF: 77.9/47

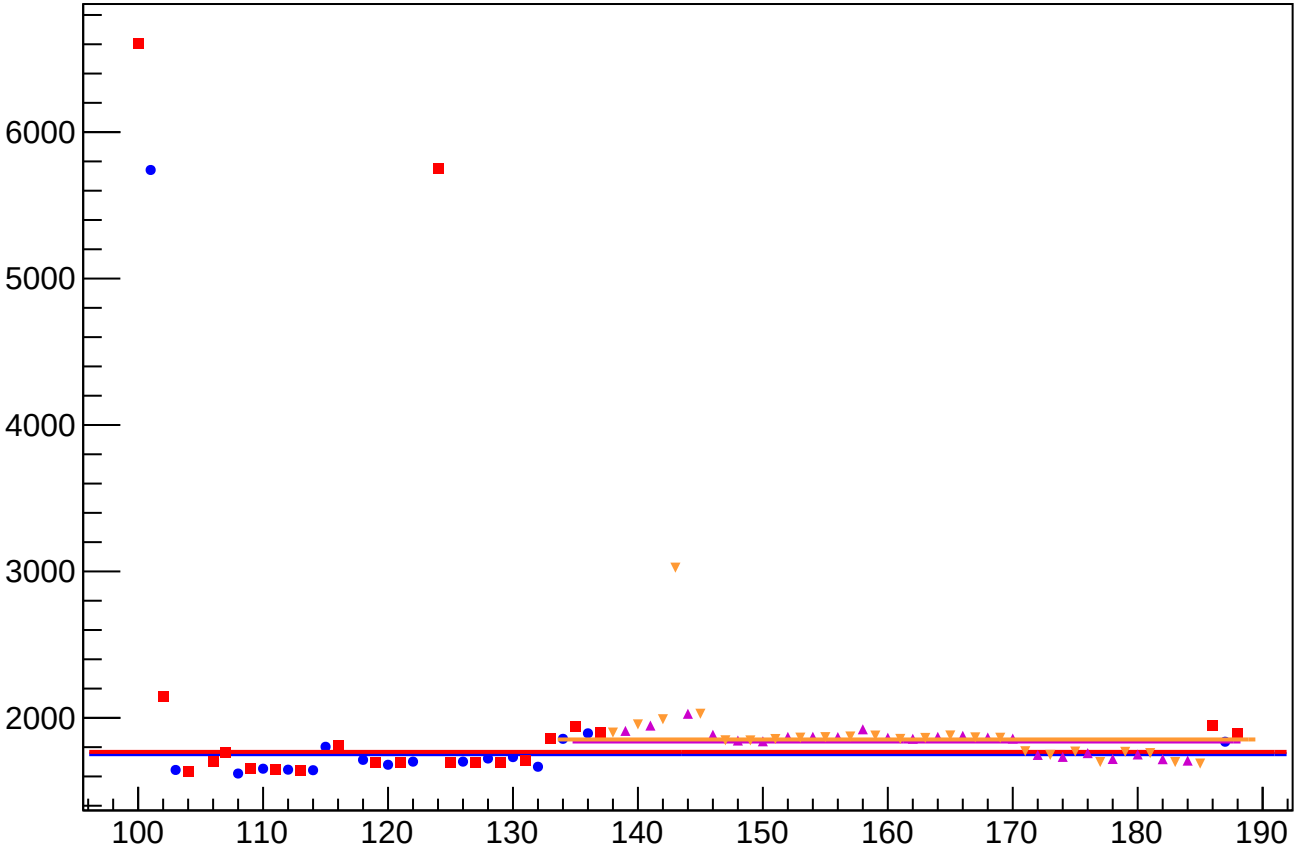
Right: 110.643+/-446.806 χ^2/NDF: 28.1/37

In: -134.313+/-359.921 χ^2/NDF:44.5/39

Out: 719.102+/-346.991 χ^2/NDF:58.9/45

All: 307.999+/-249.806 χ^2/NDF: 106.3/85

cor_asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 1751.983+/-0.466 χ^2/NDF: 670406.9/16

Left Out: 1852.534+/-0.299 χ^2/NDF:321038.9/24

Right Out: 1767.711+/-0.429 χ^2/NDF: 315670.8/20

Left In: 1838.528+/-0.304 χ^2/NDF:68478.0/22

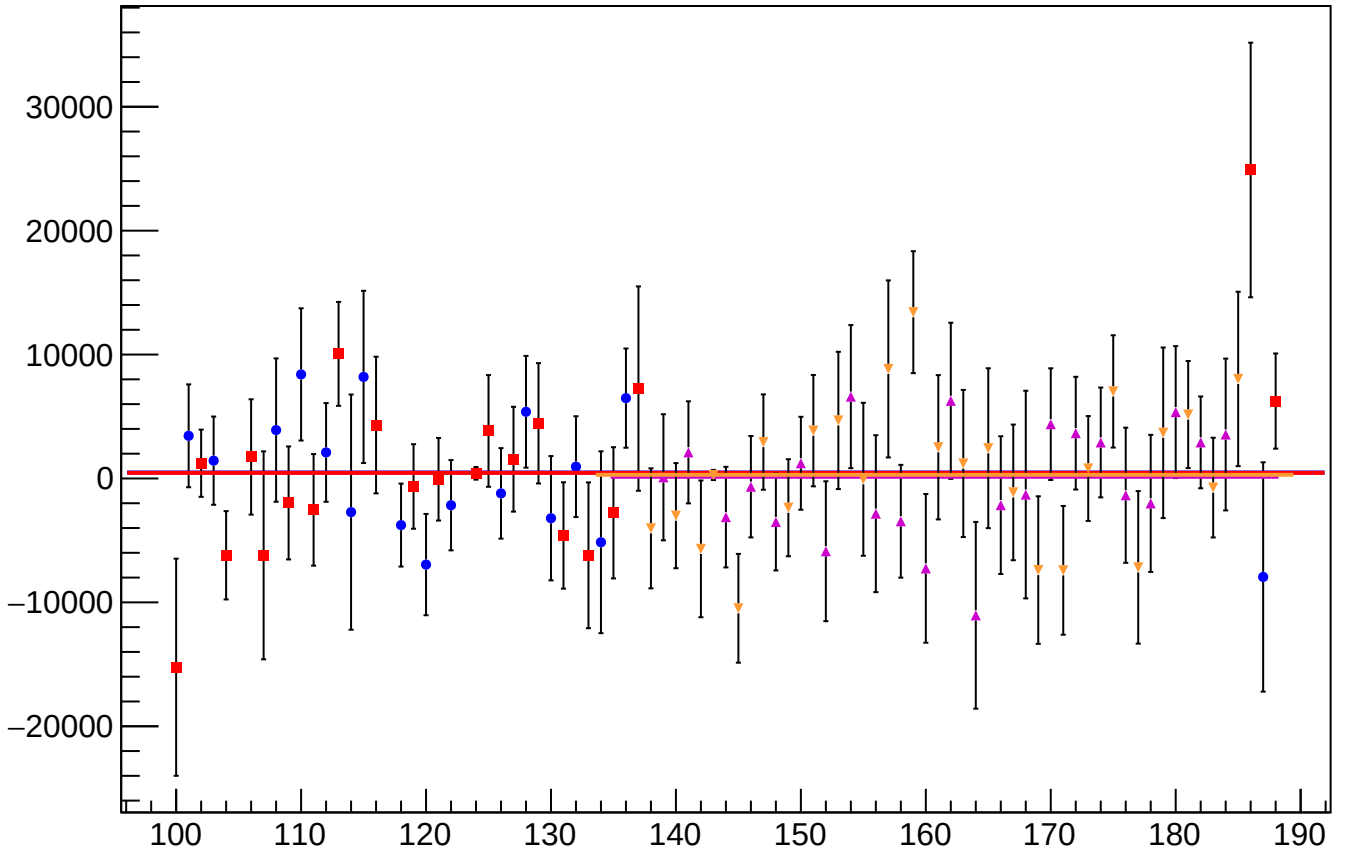
Left: 1845.648+/-0.213 χ^2/NDF: 390597.1/47

Right: 1760.503+/-0.315 χ^2/NDF: 986695.0/37

In: 1812.703+/-0.255 χ^2/NDF:763094.8/39

Out: 1824.782+/-0.245 χ^2/NDF:663074.2/45

All: 1818.969+/-0.177 χ^2/NDF: 1427337.7/85



Right In: 481.045+/-1092.432 χ^2/NDF: 15.7/16

Left Out: 295.308+/-379.951 χ^2/NDF:30.0/24

Right Out: 454.579+/-455.175 χ^2/NDF: 27.0/20

Left In: 138.272+/-1022.940 χ^2/NDF:13.9/22

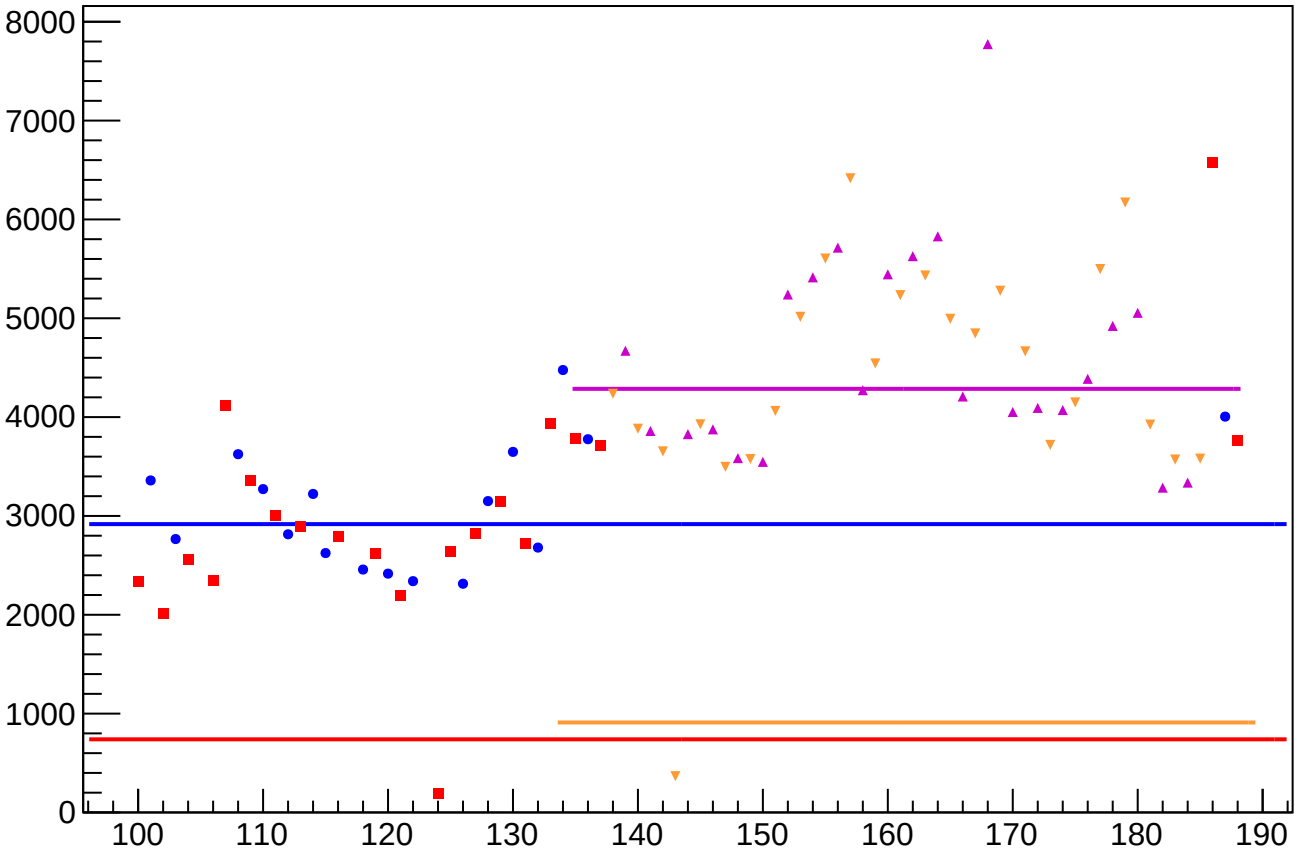
Left: 276.270+/-356.175 χ^2/NDF: 43.9/47

Right: 458.494+/-420.162 χ^2/NDF: 42.7/37

In: 298.410+/-746.687 χ^2/NDF:29.6/39

Out: 360.713+/-291.685 χ^2/NDF:57.1/45

All: 352.464+/-271.691 χ^2/NDF: 86.8/85



Right In: 2917.235+/-0.772 χ^2/NDF: 508958.2/16

Left Out: 910.253+/-0.269 χ^2/NDF:26772969.1/24

Right Out: 740.032+/-0.322 χ^2/NDF: 12017461.4/20

Left In: 4285.828+/-0.723 χ^2/NDF:1327963.4/22

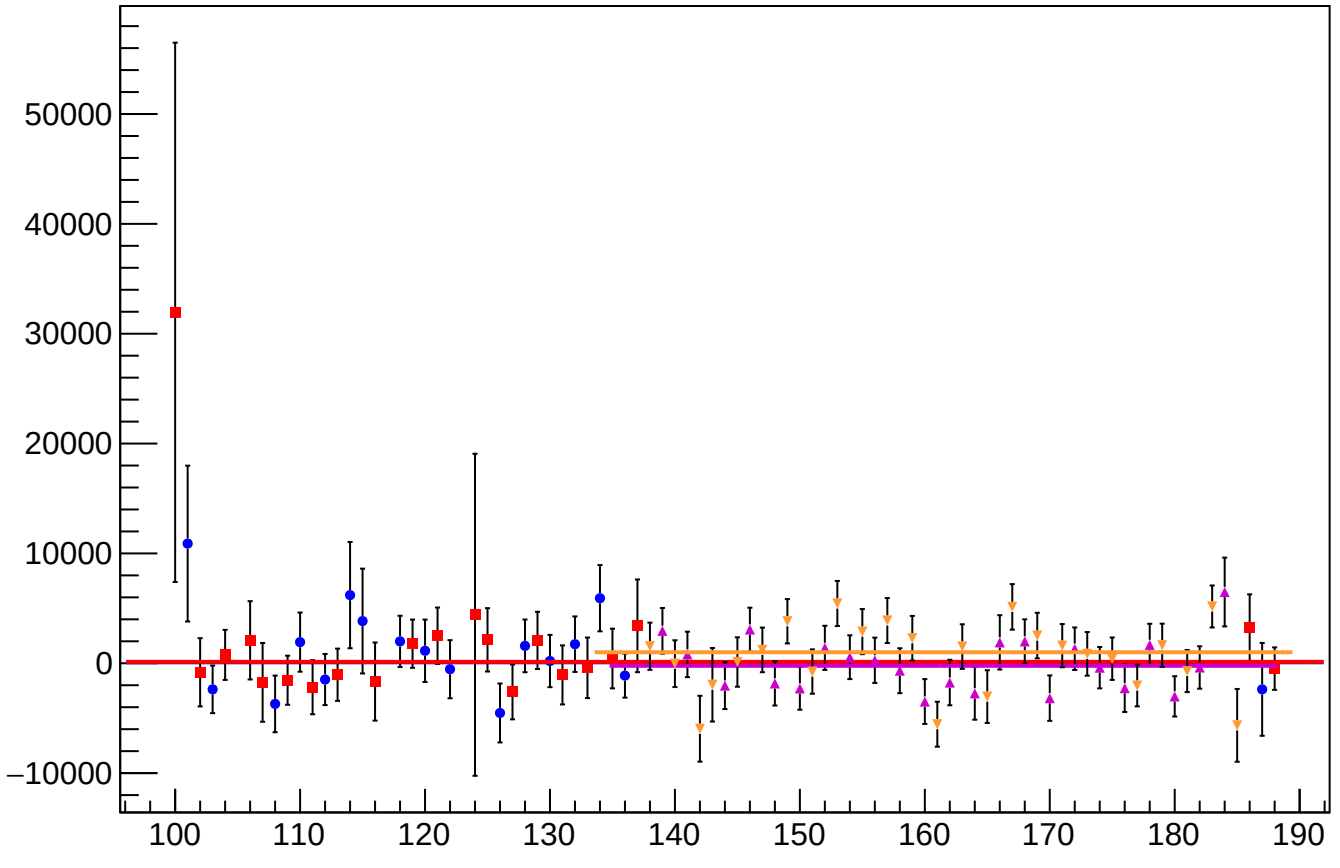
Left: 1319.491+/-0.252 χ^2/NDF: 47238971.3/47

Right: 1062.098+/-0.297 χ^2/NDF: 19295291.9/37

In: 3646.442+/-0.528 χ^2/NDF:3509421.4/39

Out: 840.352+/-0.206 χ^2/NDF:38955274.2/45

All: 1211.866+/-0.192 χ^2/NDF: 66970988.4/8



Right In: 88.864+/-658.876 χ^2/NDF: 18.0/16

Left Out: 1004.123+/-422.582 χ^2/NDF:47.4/24

Right Out: 129.184+/-607.951 χ^2/NDF: 10.1/20

Left In: -229.236+/-429.699 χ^2/NDF:26.4/22

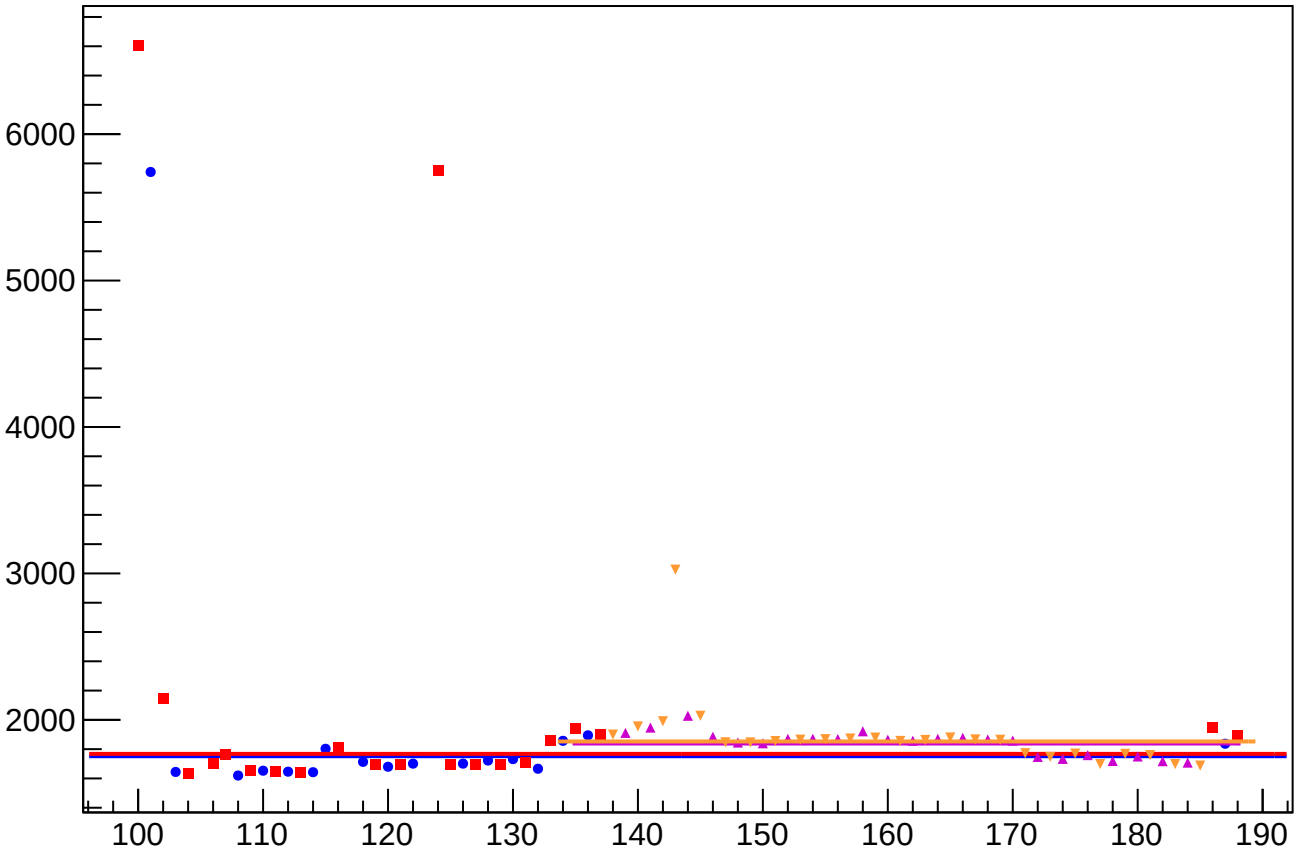
Left: 397.741+/-301.295 χ^2/NDF: 77.9/47

Right: 110.643+/-446.806 χ^2/NDF: 28.1/37

In: -134.313+/-359.921 χ^2/NDF:44.5/39

Out: 719.102+/-346.991 χ^2/NDF:58.9/45

All: 307.999+/-249.806 χ^2/NDF: 106.3/85



Right In: 1751.983+/-0.466 χ^2/NDF: 670406.9/16

Left Out: 1852.534+/-0.299 χ^2/NDF:321038.9/24

Right Out: 1767.711+/-0.429 χ^2/NDF: 315670.8/20

Left In: 1838.528+/-0.304 χ^2/NDF:68478.0/22

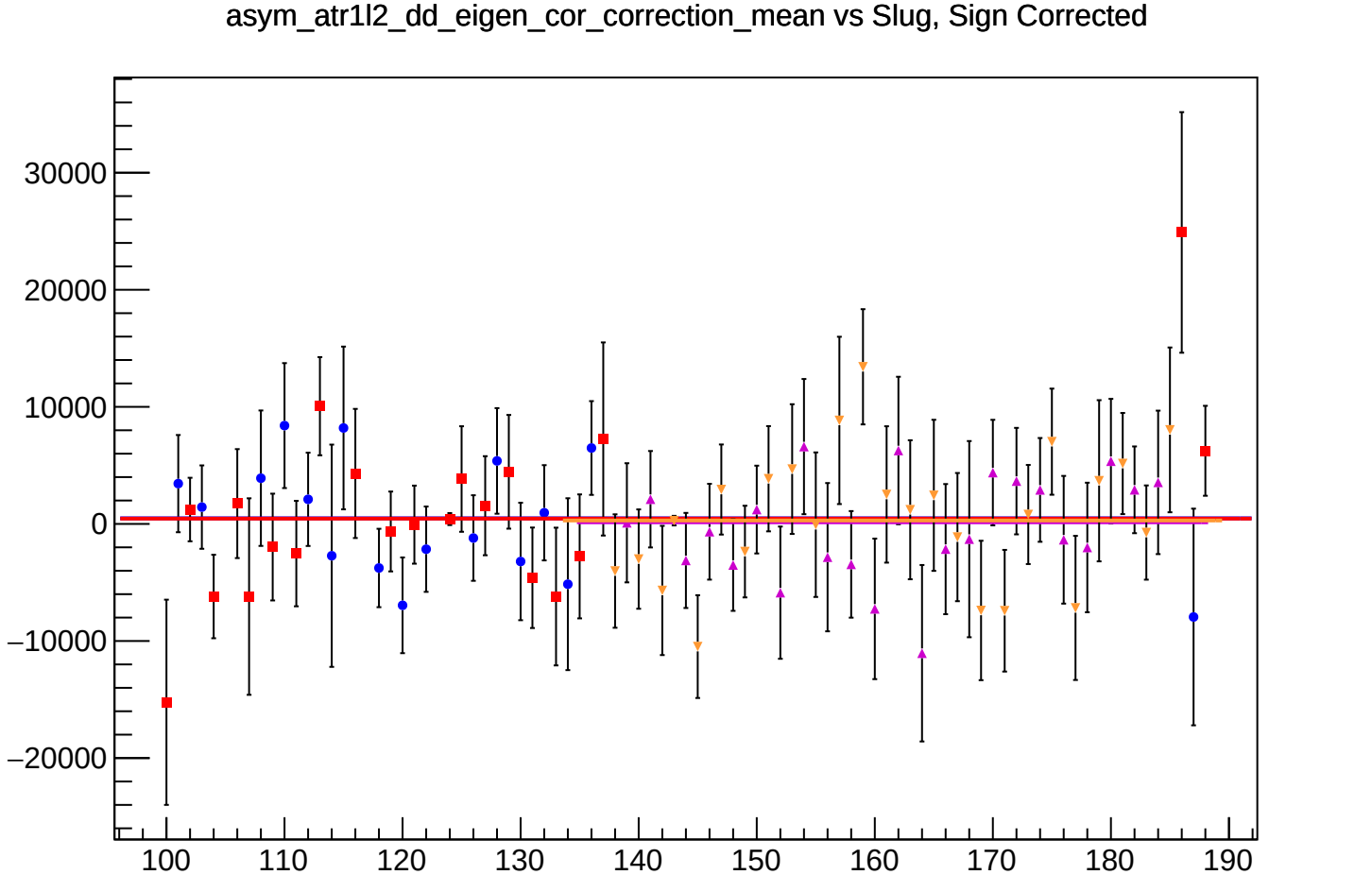
Left: 1845.648+/-0.213 χ^2/NDF: 390597.1/47

Right: 1760.503+/-0.315 χ^2/NDF: 986695.0/37

In: 1812.703+/-0.255 χ^2/NDF:763094.8/39

Out: 1824.782+/-0.245 χ^2/NDF:663074.2/45

All: 1818.969+/-0.177 χ^2/NDF: 1427337.7/85



Right In: 481.045+/-1092.432 χ^2/NDF: 15.7/16

Left Out: 295.308+/-379.951 χ^2/NDF:30.0/24

Right Out: 454.579+/-455.175 χ^2/NDF: 27.0/20

Left In: 138.272+/-1022.940 χ^2/NDF:13.9/22

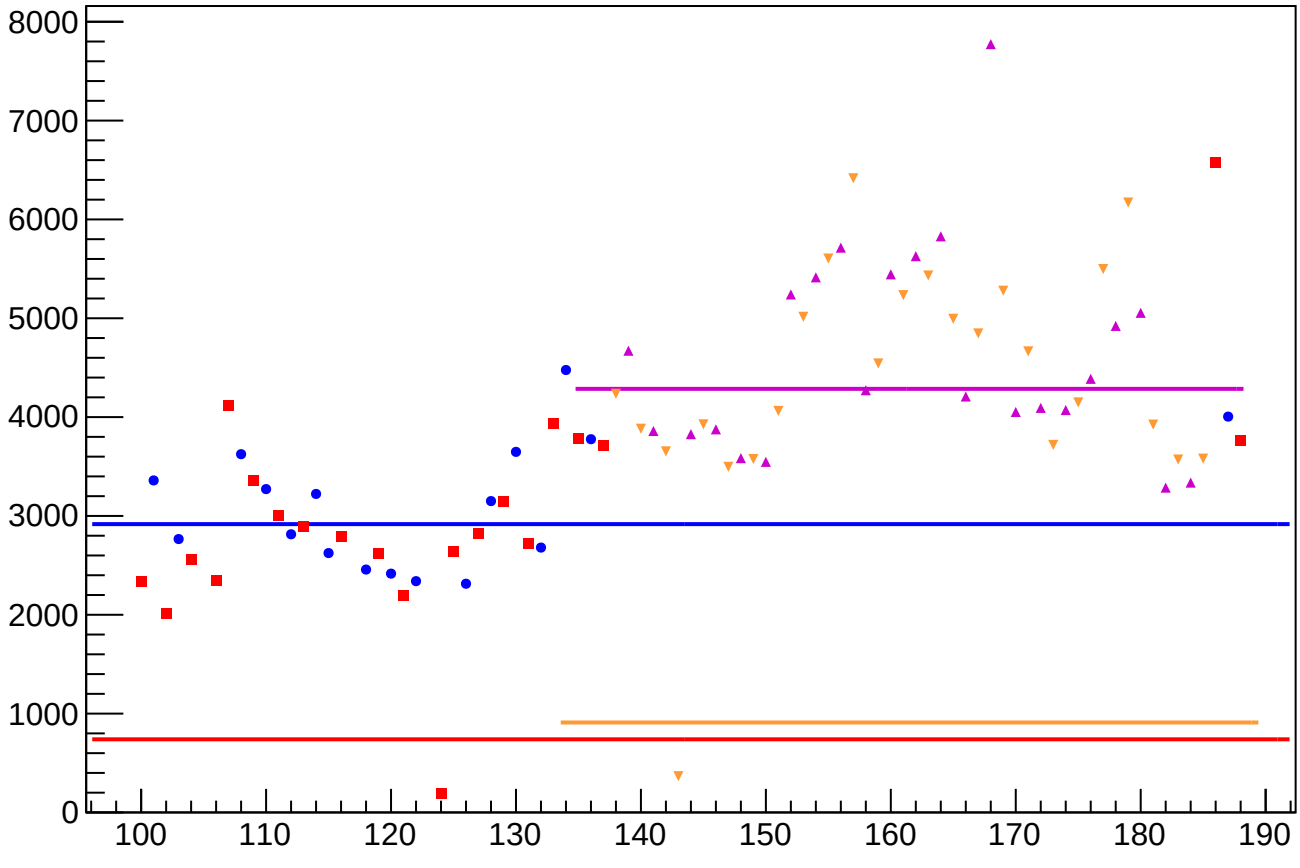
Left: 276.270+/-356.175 χ^2/NDF: 43.9/47

Right: 458.494+/-420.162 χ^2/NDF: 42.7/37

In: 298.410+/-746.687 χ^2/NDF:29.6/39

Out: 360.713+/-291.685 χ^2/NDF:57.1/45

All: 352.464+/-271.691 χ^2/NDF: 86.8/85



Right In: 2917.235+/-0.772 χ^2/NDF: 508958.2/16

Left Out: 910.253+/-0.269 χ^2/NDF:26772969.1/24

Right Out: 740.032+/-0.322 χ^2/NDF: 12017461.4/20

Left In: 4285.828+/-0.723 χ^2/NDF:1327963.4/22

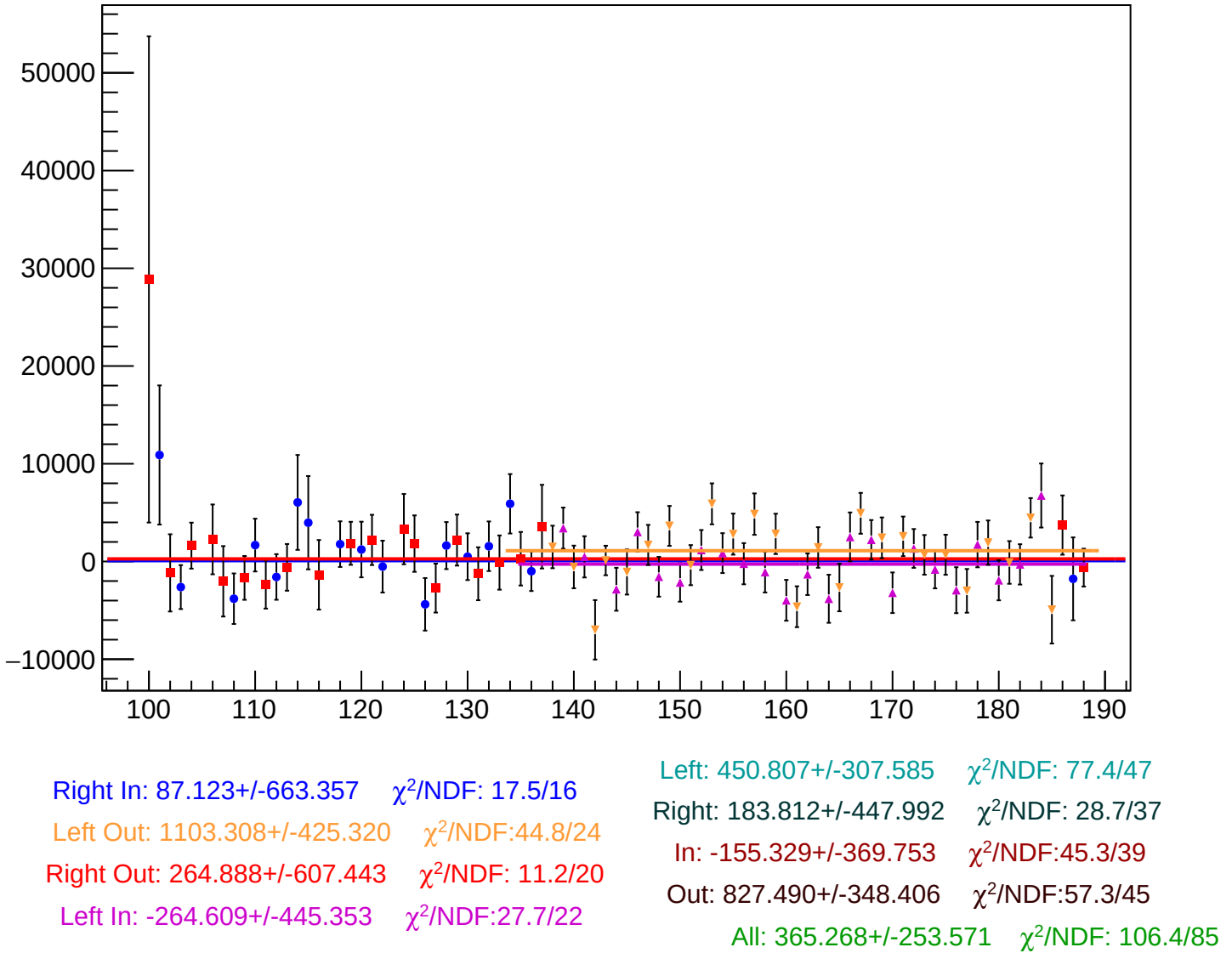
Left: 1319.491+/-0.252 χ^2/NDF: 47238971.3/47

Right: 1062.098+/-0.297 χ^2/NDF: 19295291.9/37

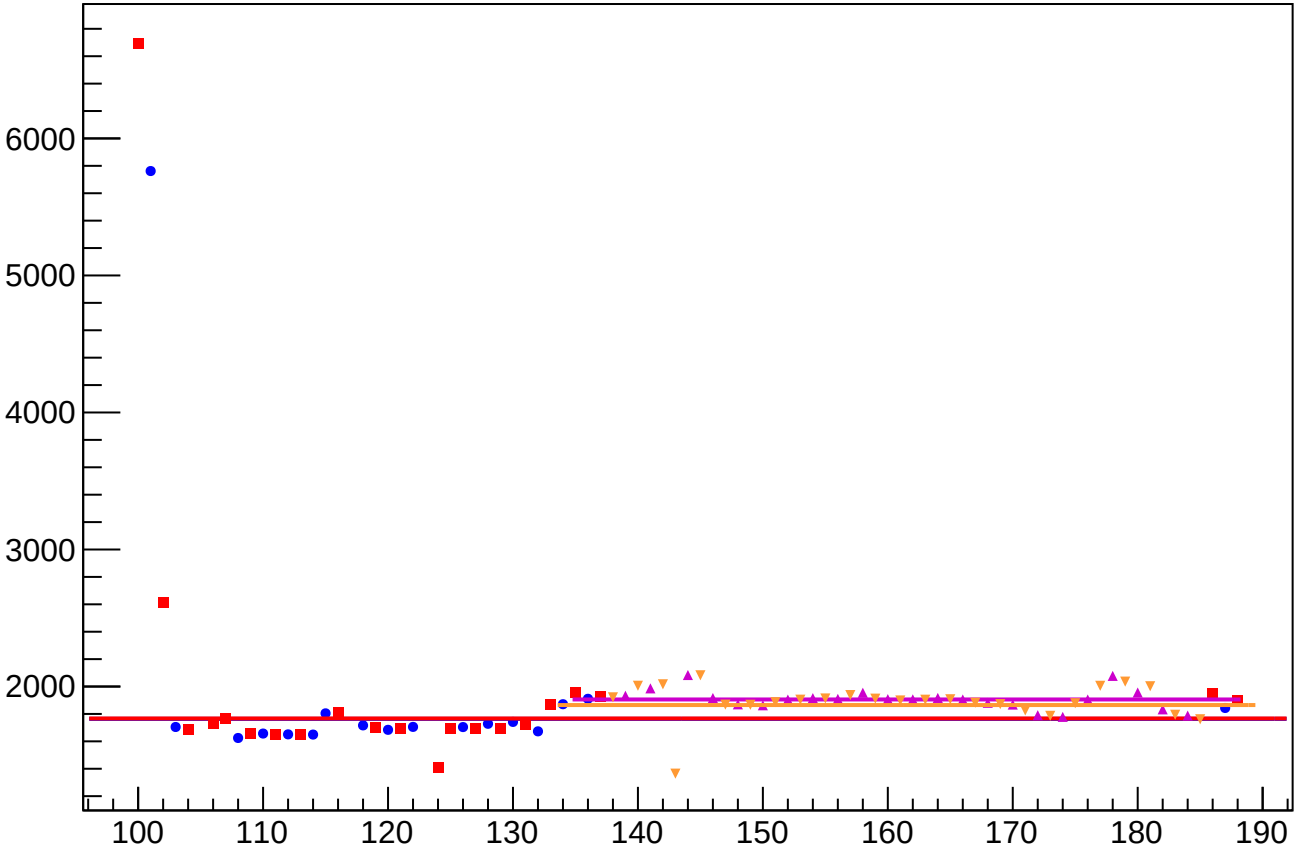
In: 3646.442+/-0.528 χ^2/NDF:3509421.4/39

Out: 840.352+/-0.206 χ^2/NDF:38955274.2/45

All: 1211.866+/-0.192 χ^2/NDF: 66970988.4/8


dit_asym_atr1l2_dd_mean vs Slug, Sign Corrected
50000
40000
30000
20000
10000
0
−10000
100
110
120
130
140
150
160
170
180
190
Right In: 87.123+/-663.357 χ²/NDF: 17.5/16
Left Out: 1103.308+/-425.320 χ²/NDF:44.8/24
Right Out: 264.888+/-607.443 χ²/NDF: 11.2/20
Left In: -264.609+/-445.353 χ²/NDF:27.7/22
Left: 450.807+/-307.585 χ²/NDF: 77.4/47
Right: 183.812+/-447.992 χ²/NDF: 28.7/37
In: -155.329+/-369.753 χ²/NDF:45.3/39
Out: 827.490+/-348.406 χ²/NDF:57.3/45
All: 365.268+/-253.571 χ²/NDF: 106.4/85

dit_asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 1764.044+/-0.469 χ^2/NDF: 668416.4/16

Left Out: 1864.841+/-0.301 χ^2/NDF:294712.1/24

Right Out: 1766.837+/-0.428 χ^2/NDF: 246449.2/20

Left In: 1905.628+/-0.315 χ^2/NDF:52781.7/22

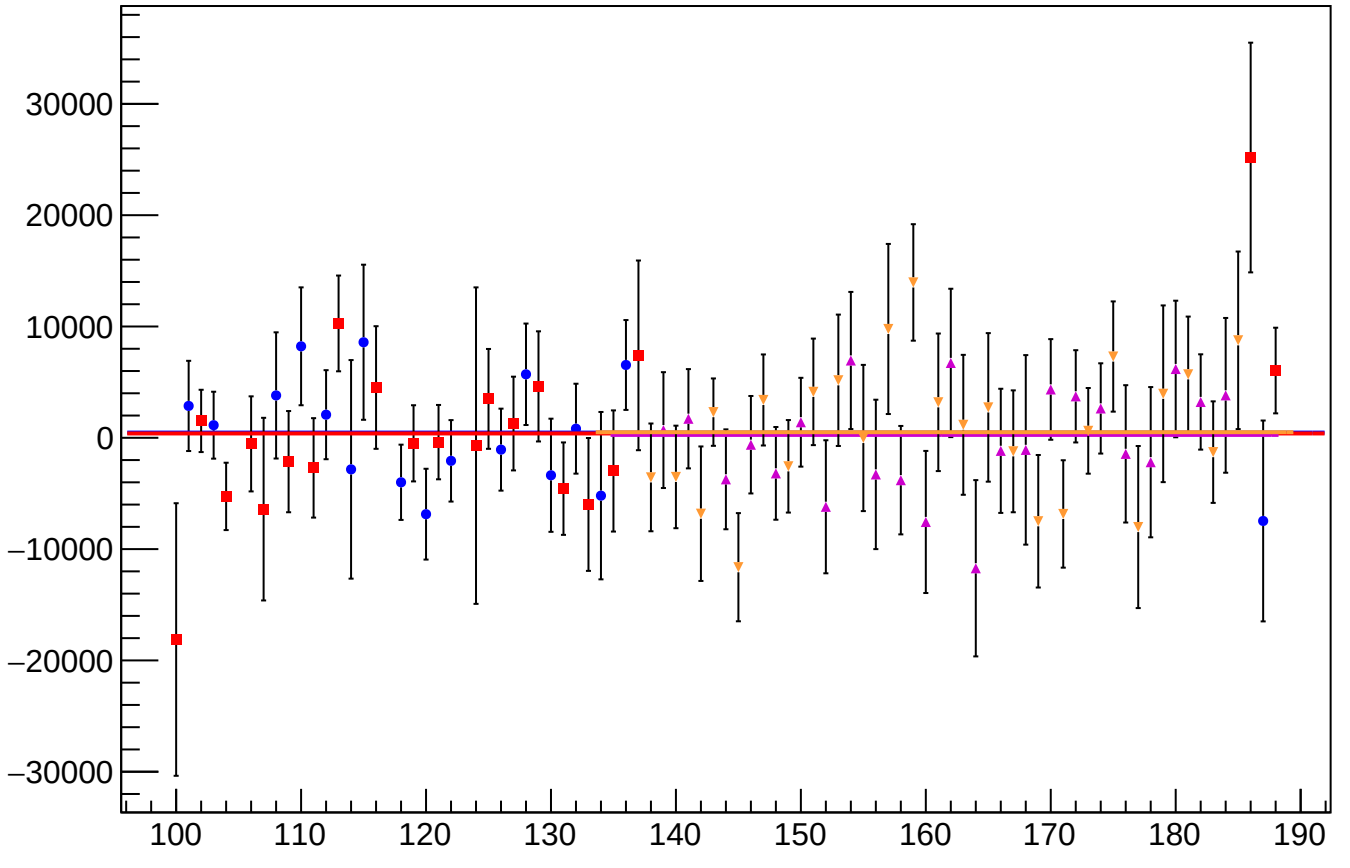
Left: 1884.296+/-0.217 χ^2/NDF: 356267.0/47

Right: 1765.567+/-0.316 χ^2/NDF: 914884.9/37

In: 1861.639+/-0.261 χ^2/NDF:783999.9/39

Out: 1832.492+/-0.246 χ^2/NDF:576211.8/45

All: 1846.188+/-0.179 χ^2/NDF: 1366799.6/85



Right In: 468.173+/-1073.796 χ^2/NDF: 15.7/16

Left Out: 504.261+/-1021.684 χ^2/NDF:30.1/24

Right Out: 390.491+/-982.378 χ^2/NDF: 26.2/20

Left In: 261.050+/-1081.402 χ^2/NDF:13.6/22

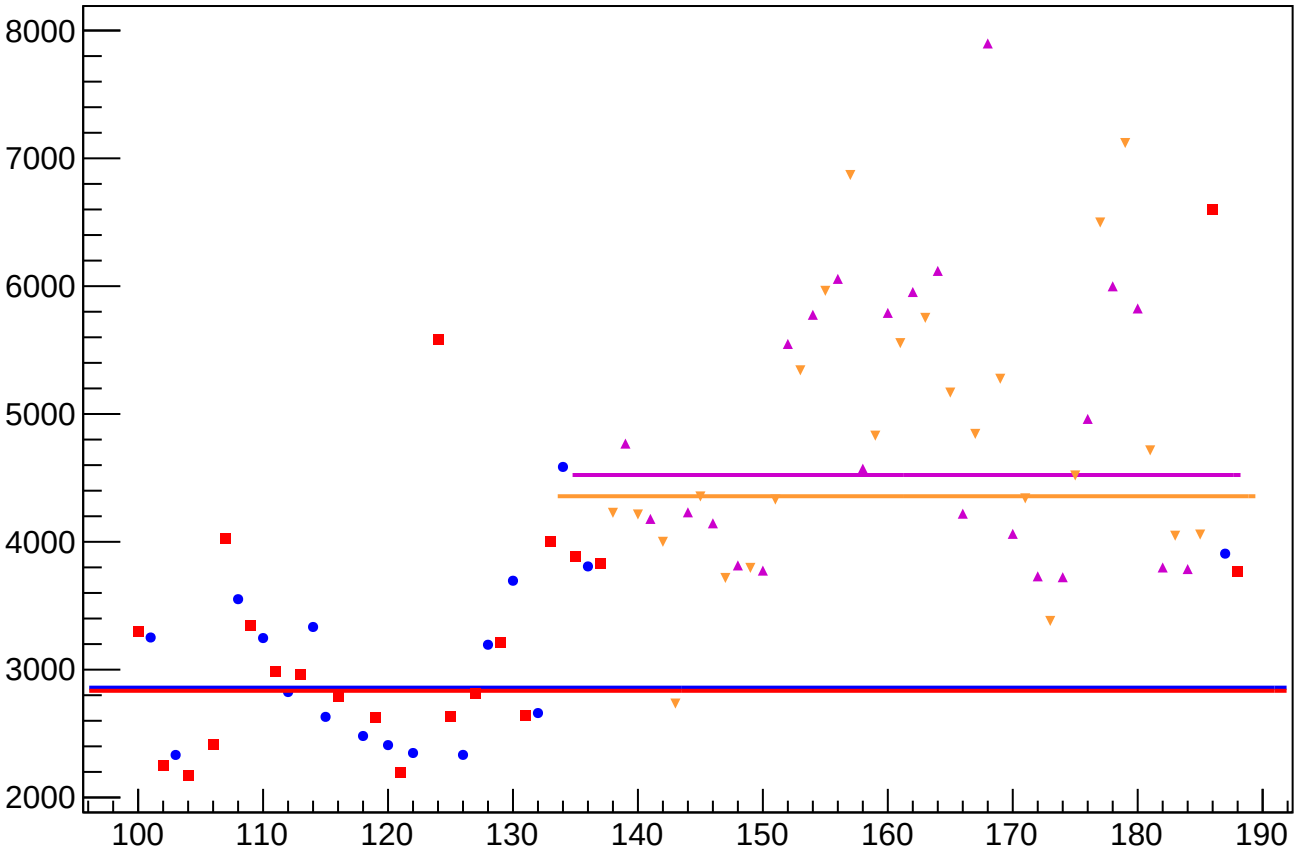
Left: 389.556+/-742.654 χ^2/NDF: 43.7/47

Right: 425.885+/-724.815 χ^2/NDF: 41.9/37

In: 365.343+/-761.963 χ^2/NDF:29.3/39

Out: 445.146+/-708.134 χ^2/NDF:56.3/45

All: 408.162+/-518.714 χ^2/NDF: 85.6/85



Right In: 2859.210+/-0.759 χ^2/NDF: 569411.1/16

Left Out: 4356.643+/-0.722 χ^2/NDF:1912322.9/24

Right Out: 2834.605+/-0.695 χ^2/NDF: 1015530.8/20

Left In: 4522.787+/-0.765 χ^2/NDF:1434008.9/22

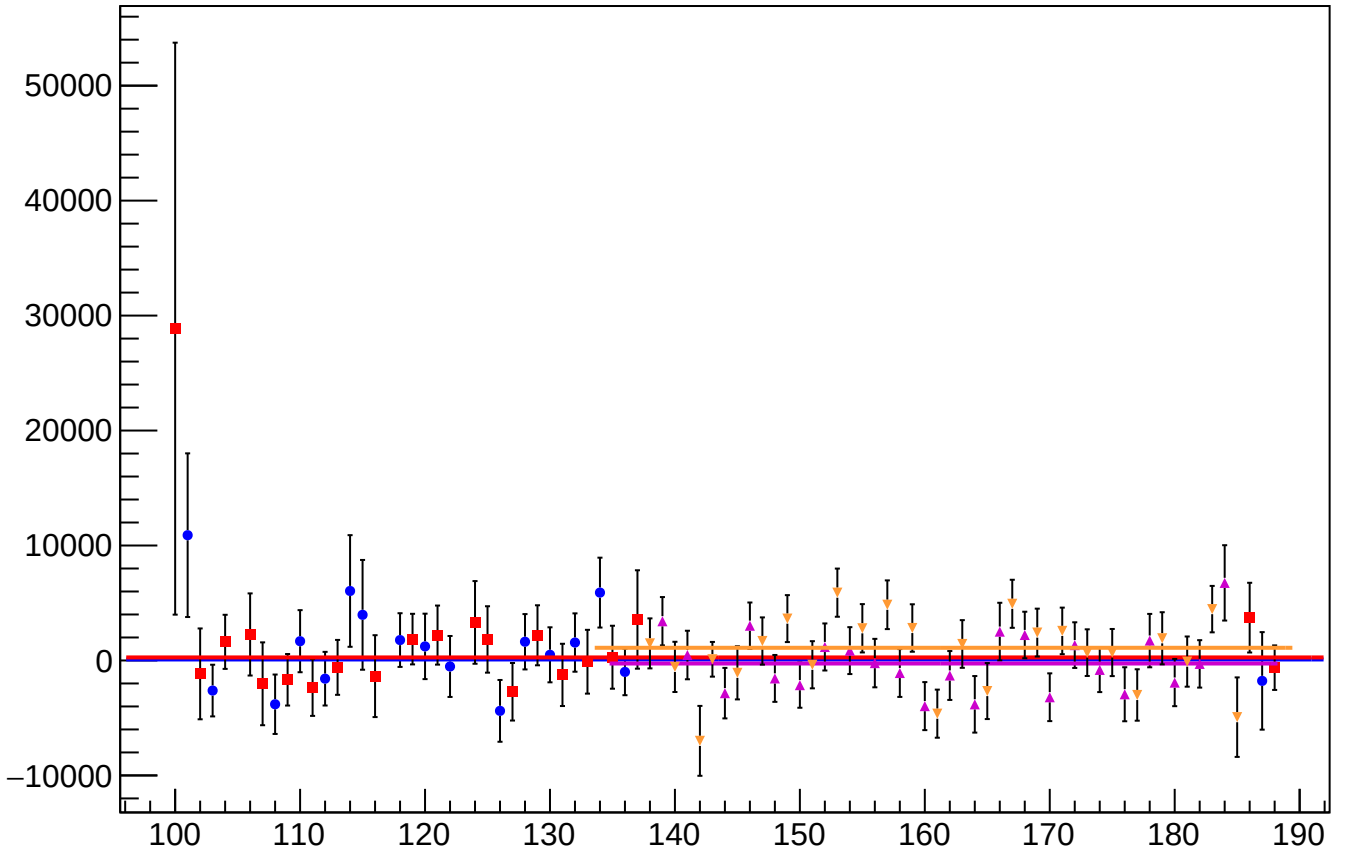
Left: 4435.001+/-0.525 χ^2/NDF: 3371275.6/47

Right: 2845.816+/-0.513 χ^2/NDF: 1585513.6/37

In: 3685.128+/-0.539 χ^2/NDF:4386649.6/39

Out: 3565.784+/-0.501 χ^2/NDF:5234185.7/45

All: 3621.092+/-0.367 χ^2/NDF: 9647161.5/85



Right In: 87.121+/-663.357 χ^2/NDF: 17.5/16

Left Out: 1103.310+/-425.321 χ^2/NDF:44.8/24

Right Out: 264.884+/-607.443 χ^2/NDF: 11.2/20

Left In: -264.609+/-445.354 χ^2/NDF:27.7/22

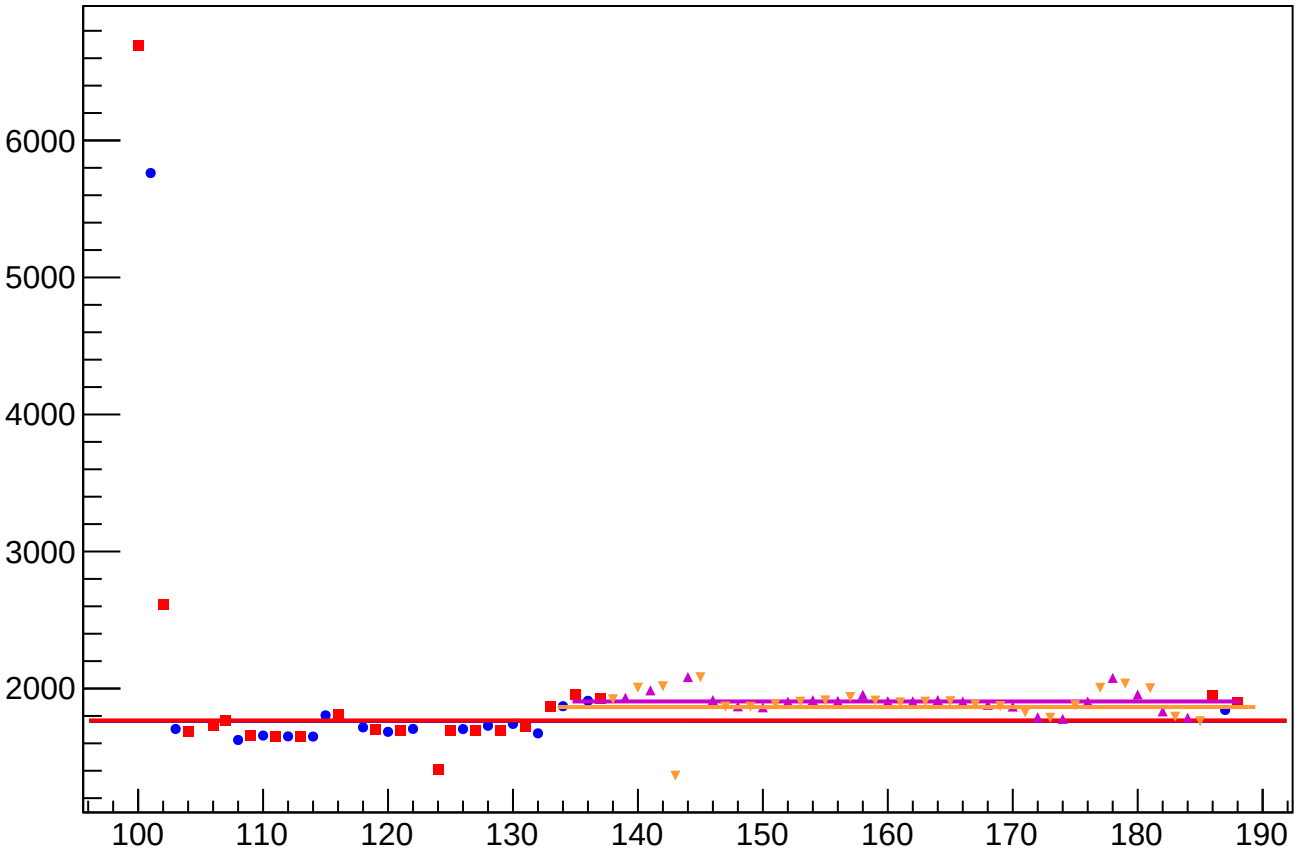
Left: 450.808+/-307.585 χ^2/NDF: 77.4/47

Right: 183.809+/-447.992 χ^2/NDF: 28.7/37

In: -155.330+/-369.753 χ^2/NDF:45.3/39

Out: 827.490+/-348.406 χ^2/NDF:57.3/45

All: 365.268+/-253.571 χ^2/NDF: 106.4/85



Right In: 1764.045+/-0.469 χ^2/NDF: 668416.4/16

Left Out: 1864.842+/-0.301 χ^2/NDF:294715.4/24

Right Out: 1766.837+/-0.428 χ^2/NDF: 246449.2/20

Left In: 1905.629+/-0.315 χ^2/NDF:52783.9/22

Left: 1884.297+/-0.217 χ^2/NDF: 356272.6/47

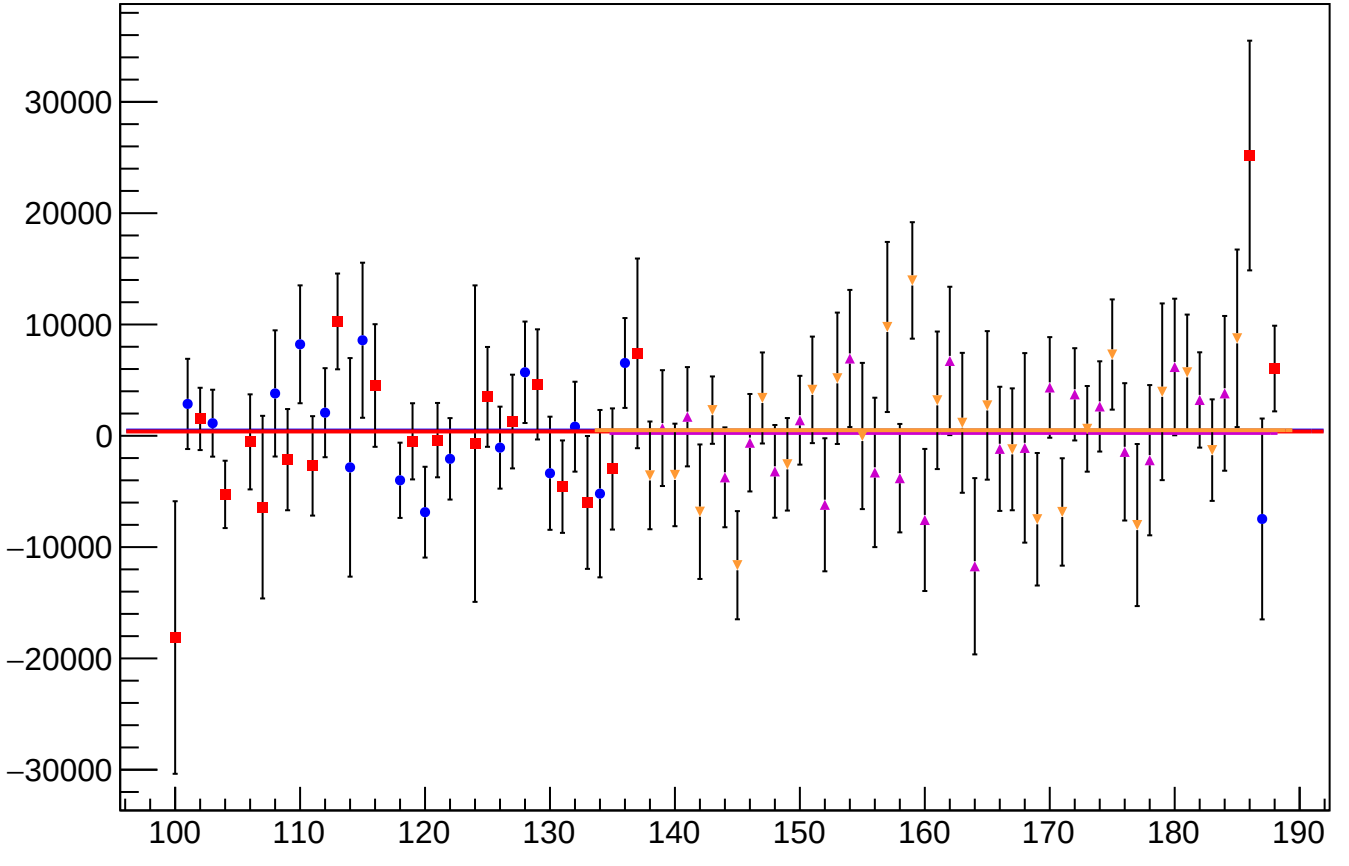
Right: 1765.567+/-0.316 χ^2/NDF: 914884.9/37

In: 1861.640+/-0.261 χ^2/NDF:784003.1/39

Out: 1832.493+/-0.246 χ^2/NDF:576215.8/45

All: 1846.189+/-0.179 χ^2/NDF: 1366806.9/85

asym_atr1l2_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 468.169+/-1073.794 χ^2/NDF: 15.7/16

Left Out: 504.265+/-1021.686 χ^2/NDF:30.1/24

Right Out: 390.489+/-982.377 χ^2/NDF: 26.2/20

Left In: 261.051+/-1081.404 χ^2/NDF:13.6/22

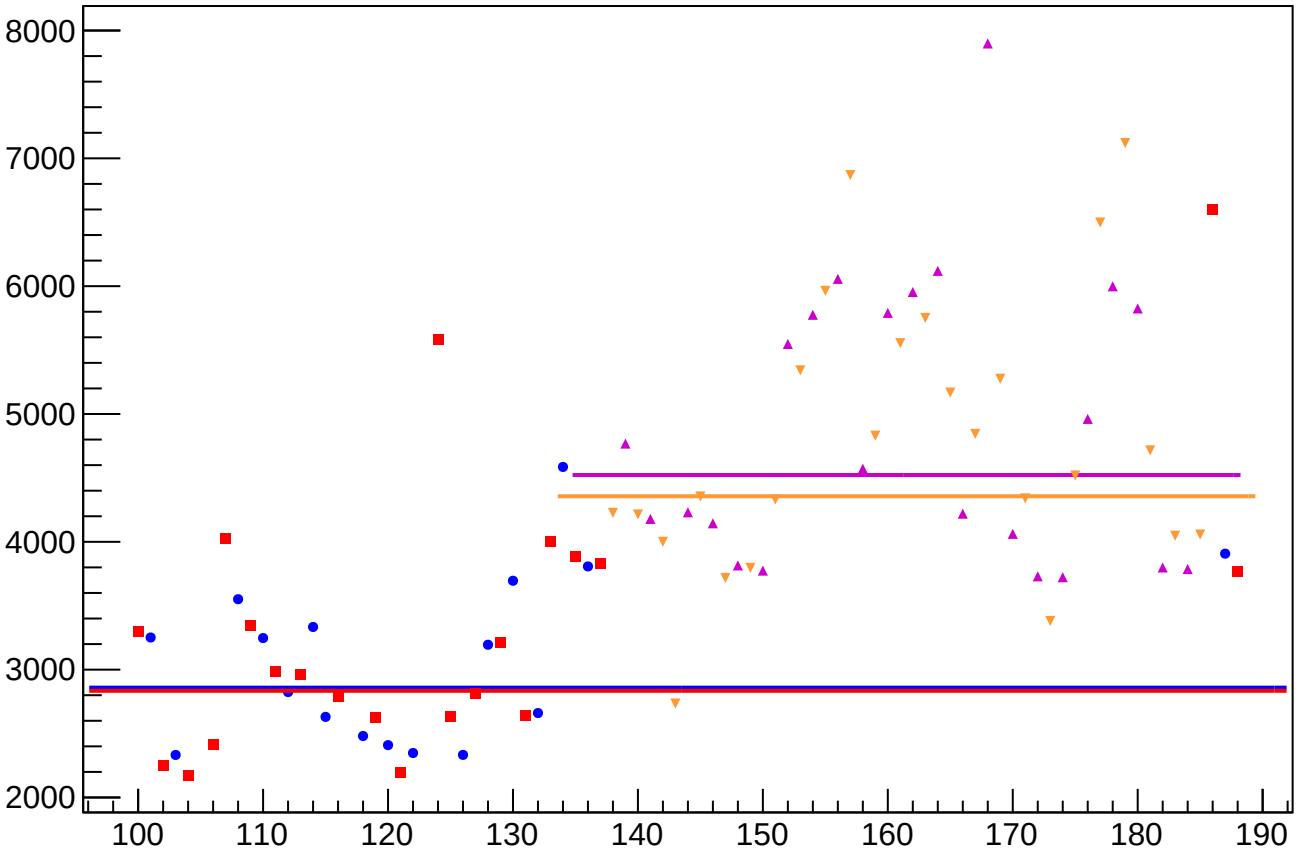
Left: 389.559+/-742.655 χ^2/NDF: 43.7/47

Right: 425.882+/-724.813 χ^2/NDF: 41.9/37

In: 365.341+/-761.963 χ^2/NDF:29.3/39

Out: 445.146+/-708.134 χ^2/NDF:56.3/45

All: 408.162+/-518.713 χ^2/NDF: 85.6/85



Right In: 2859.203+/-0.759 χ^2/NDF: 569415.5/16

Left Out: 4356.650+/-0.722 χ^2/NDF:1912327.4/24

Right Out: 2834.599+/-0.695 χ^2/NDF: 1015531.3/20

Left In: 4522.795+/-0.765 χ^2/NDF:1434009.9/22

Left: 4435.009+/-0.525 χ^2/NDF: 3371281.4/47

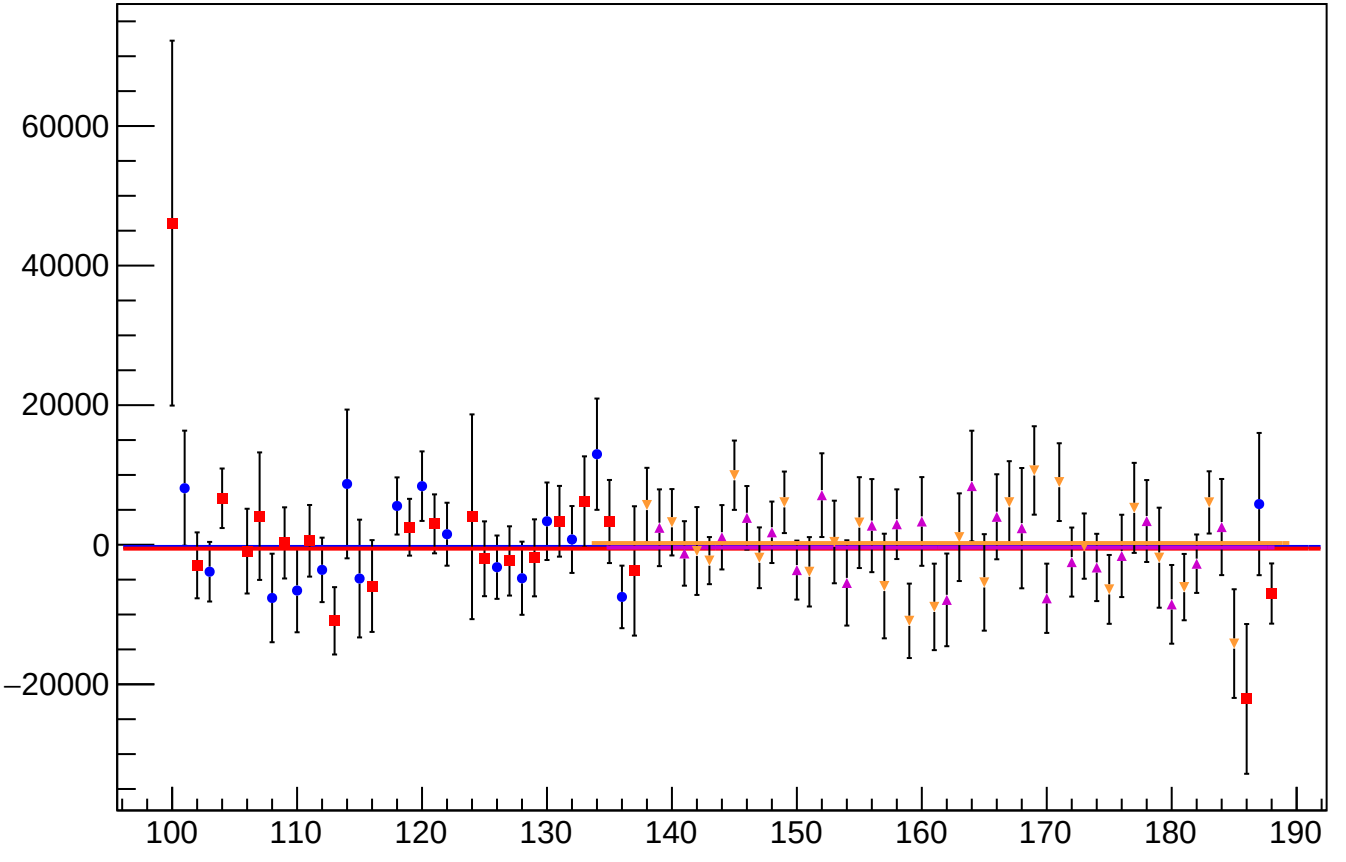
Right: 2845.809+/-0.513 χ^2/NDF: 1585518.4/37

In: 3685.125+/-0.539 χ^2/NDF:4386700.8/39

Out: 3565.782+/-0.501 χ^2/NDF:5234228.3/45

All: 3621.089+/-0.367 χ^2/NDF: 9647254.7/85

asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: -318.874+/-1316.143 χ^2/NDF: 18.3/16

Left Out: 239.929+/-1064.647 χ^2/NDF:32.2/24

Right Out: -559.187+/-1215.482 χ^2/NDF: 22.0/20

Left In: -397.881+/-1121.323 χ^2/NDF:14.2/22

Left: -62.451+/-772.078 χ^2/NDF: 46.6/47

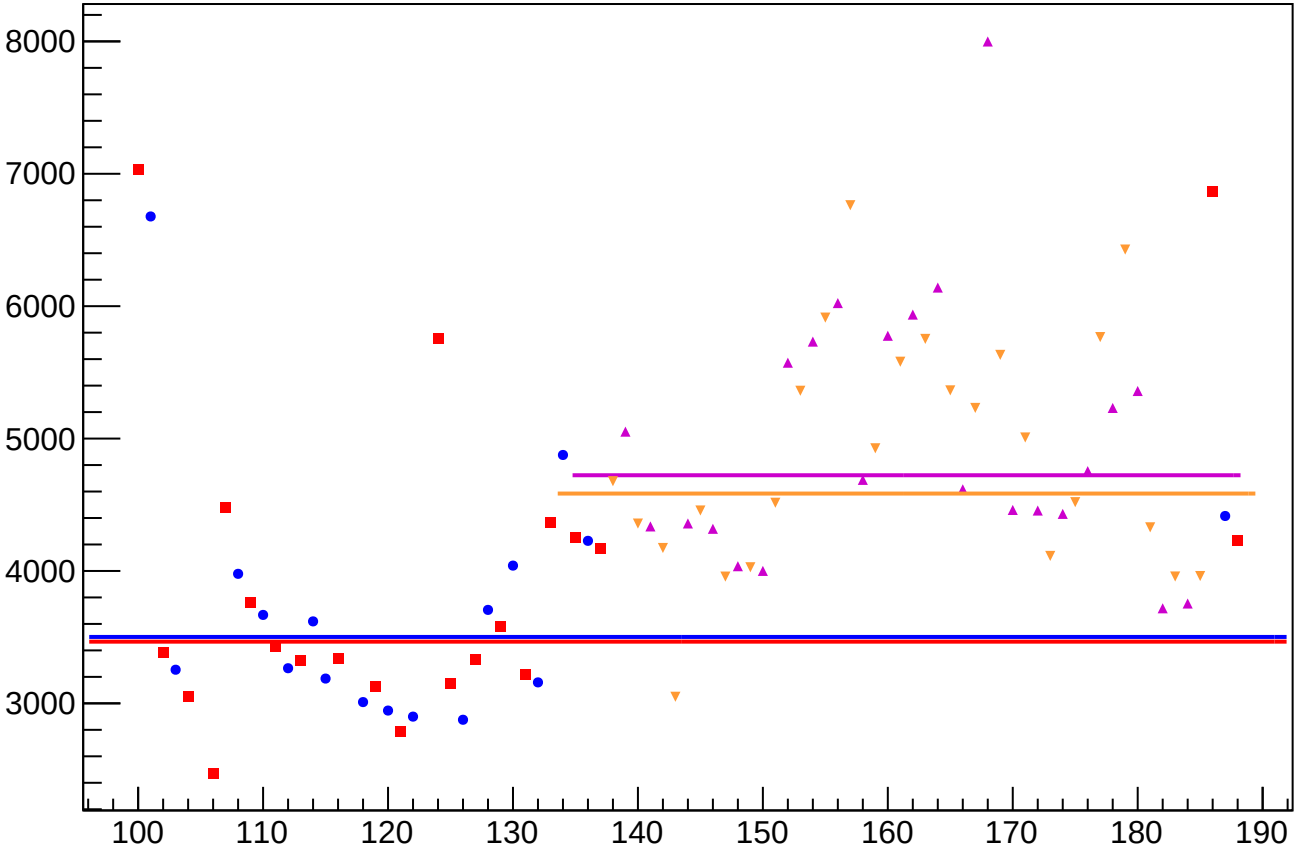
Right: -448.571+/-892.944 χ^2/NDF: 40.3/37

In: -364.652+/-853.547 χ^2/NDF:32.5/39

Out: -106.997+/-800.869 χ^2/NDF:54.4/45

All: -227.629+/-584.035 χ^2/NDF: 86.9/85

asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 3501.663+/-0.931 χ^2/NDF: 612136.5/16

Left Out: 4584.664+/-0.753 χ^2/NDF:1311720.7/24

Right Out: 3466.074+/-0.849 χ^2/NDF: 655909.9/20

Left In: 4723.014+/-0.793 χ^2/NDF:1016613.0/22

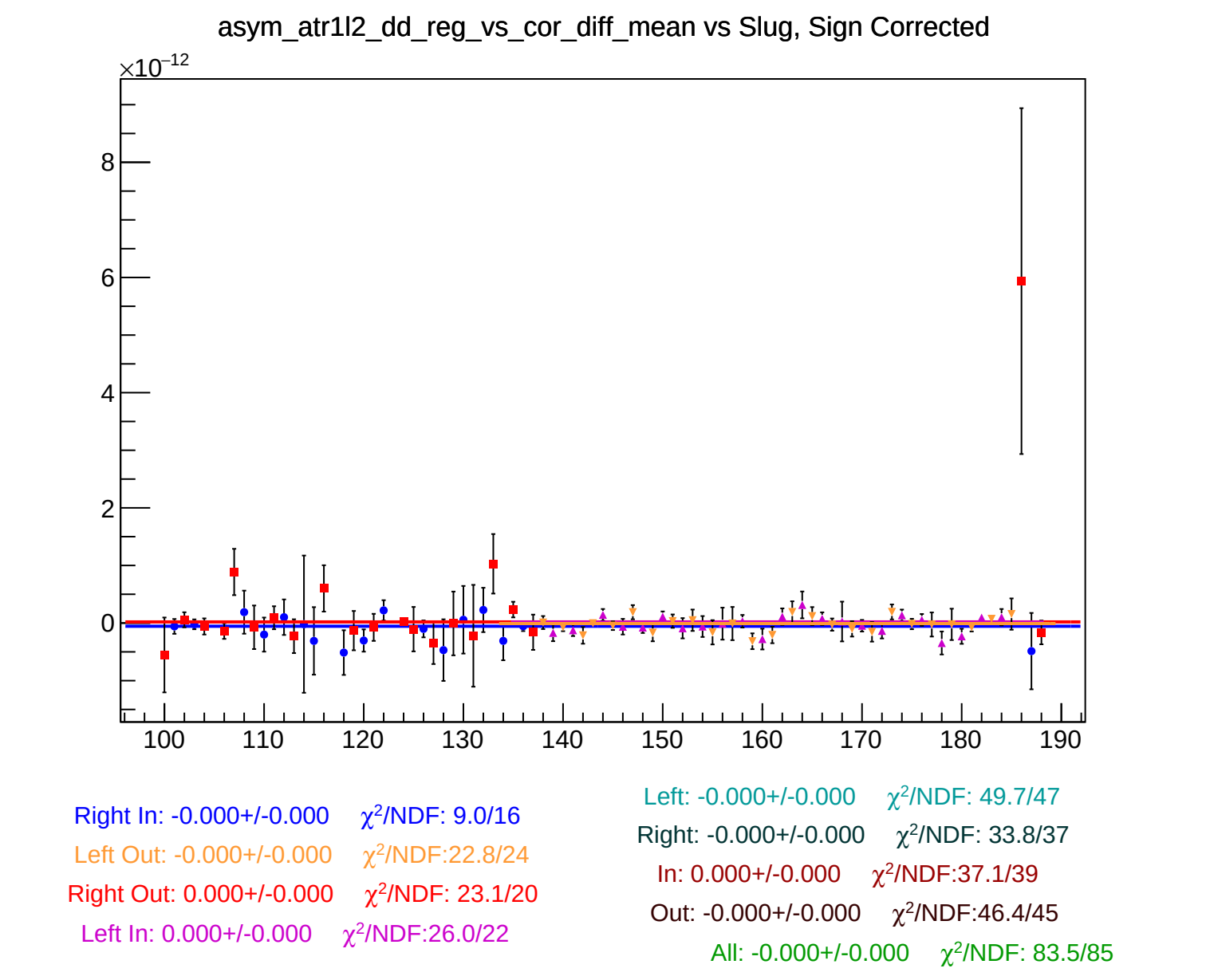
Left: 4650.254+/-0.546 χ^2/NDF: 2344345.5/47

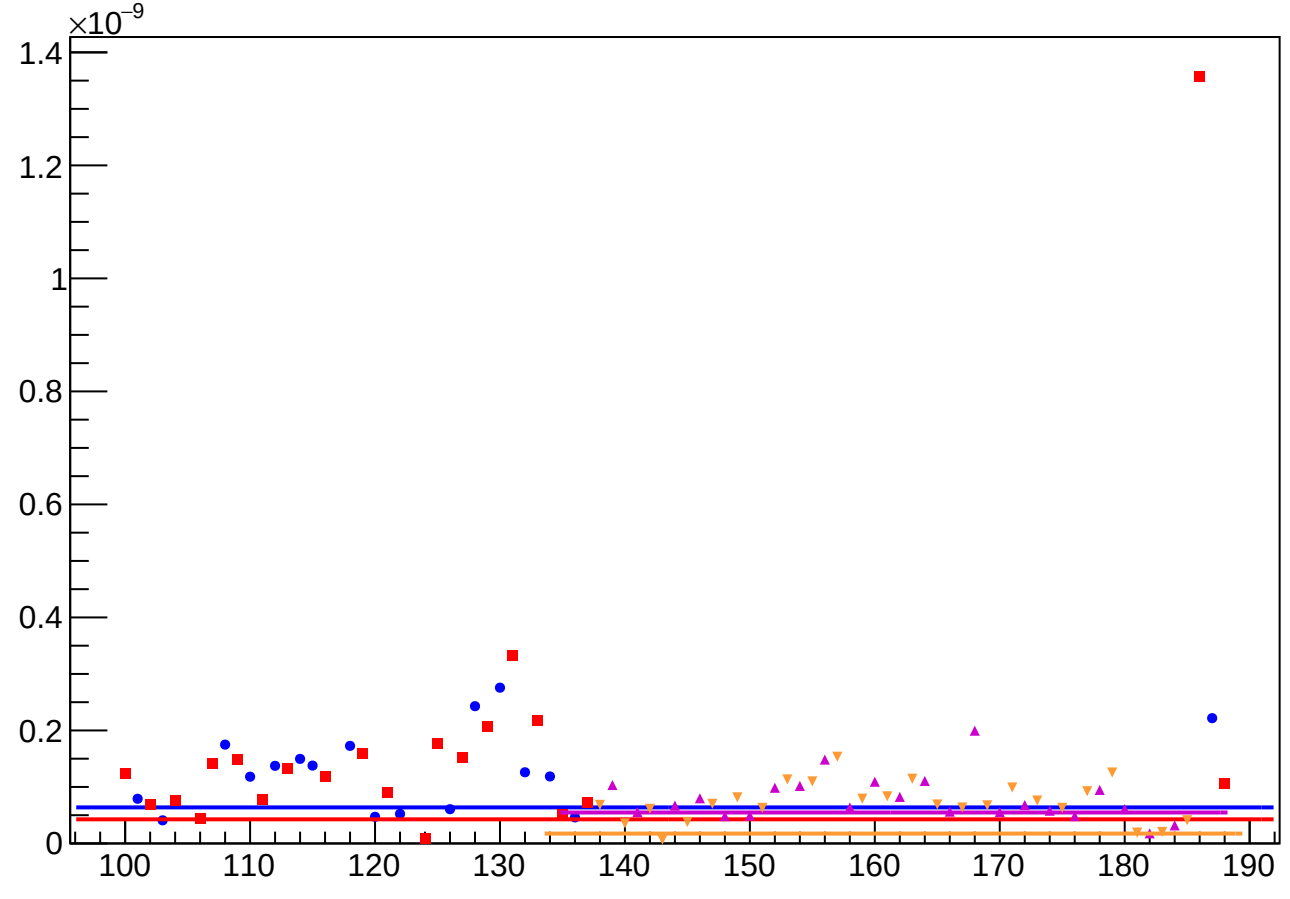
Right: 3482.230+/-0.627 χ^2/NDF: 1268844.9/37

In: 4209.337+/-0.604 χ^2/NDF:2626677.9/39

Out: 4092.019+/-0.563 χ^2/NDF:2939983.5/45

All: 4146.620+/-0.412 χ^2/NDF: 5586860.2/85


asym_atr1l2_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
8
6
4
2
0
100
110
120
130
140
150
160
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 9.0/16
Left Out: -0.000+/-0.000 χ²/NDF:22.8/24
Right Out: 0.000+/-0.000 χ²/NDF: 23.1/20
Left In: 0.000+/-0.000 χ²/NDF:26.0/22
Left: -0.000+/-0.000 χ²/NDF: 49.7/47
Right: -0.000+/-0.000 χ²/NDF: 33.8/37
In: 0.000+/-0.000 χ²/NDF:37.1/39
Out: -0.000+/-0.000 χ²/NDF:46.4/45
All: -0.000+/-0.000 χ²/NDF: 83.5/85



Right In: 0.000+/-0.000 χ^2/NDF: 1546095.4/16

Left Out: 0.000+/-0.000 χ^2/NDF:8870606.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3750047.4/20

Left In: 0.000+/-0.000 χ^2/NDF:2798764.9/22

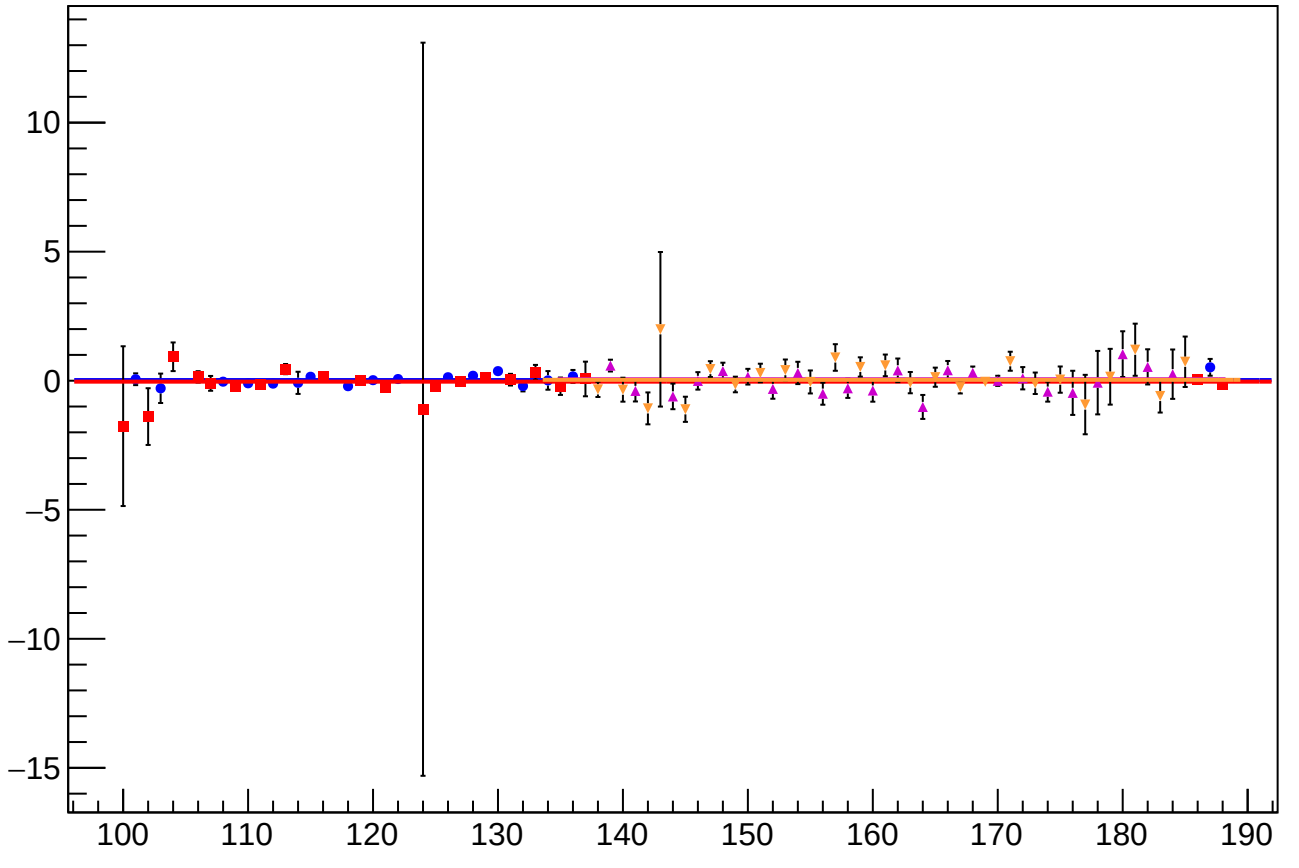
Left: 0.000+/-0.000 χ^2/NDF: 15661479.1/47

Right: 0.000+/-0.000 χ^2/NDF: 5573956.8/37

In: 0.000+/-0.000 χ^2/NDF:4409043.4/39

Out: 0.000+/-0.000 χ^2/NDF:13551842.7/45

All: 0.000+/-0.000 χ^2/NDF: 22859302.4/85



Right In: 0.026+/-0.047 χ^2/NDF: 14.1/16

Left Out: 0.034+/-0.078 χ^2/NDF:30.5/24

Right Out: -0.036+/-0.039 χ^2/NDF: 23.8/20

Left In: 0.056+/-0.077 χ^2/NDF:26.1/22

Left: 0.045+/-0.055 χ^2/NDF: 56.5/47

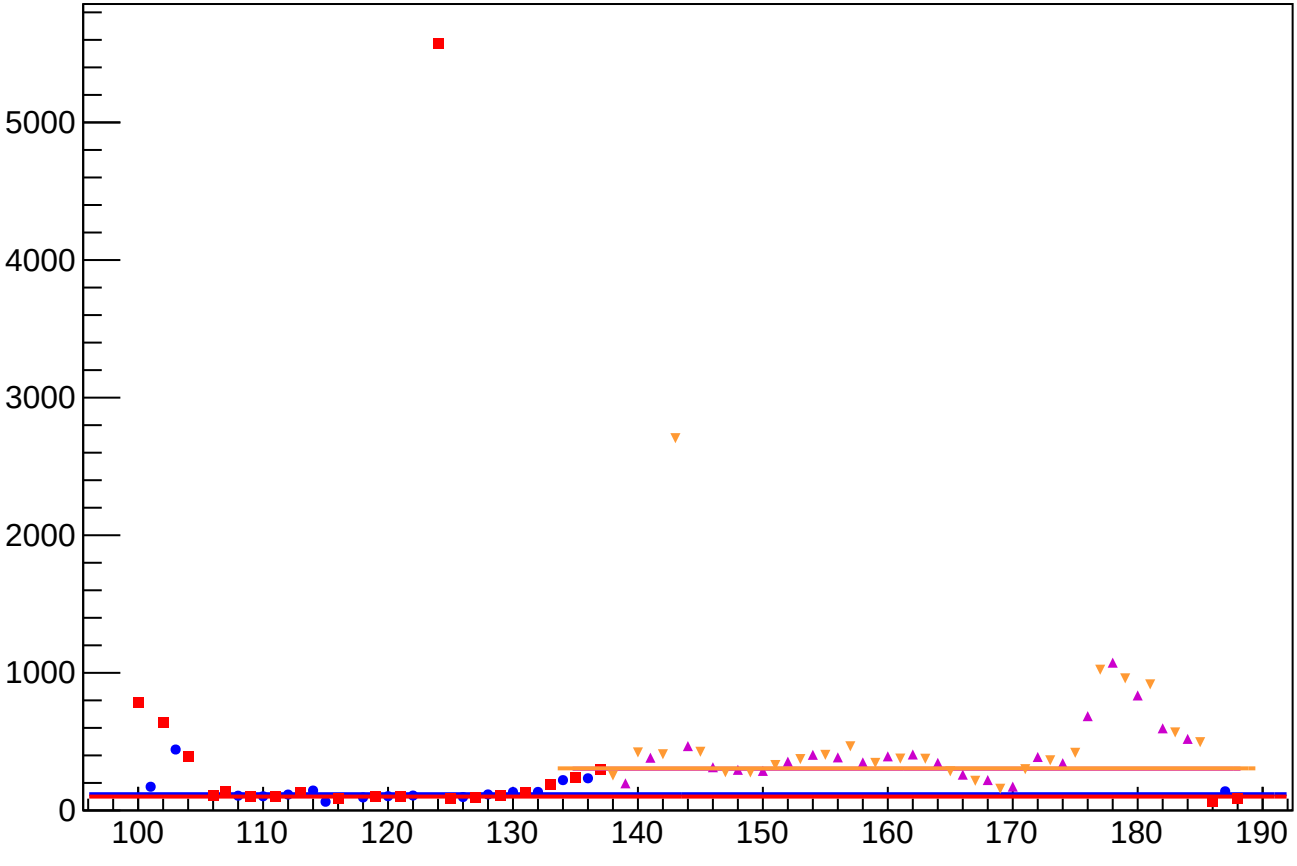
Right: -0.011+/-0.030 χ^2/NDF: 39.0/37

In: 0.034+/-0.040 χ^2/NDF:40.3/39

Out: -0.022+/-0.035 χ^2/NDF:55.0/45

All: 0.002+/-0.026 χ^2/NDF: 96.4/85

asym_atr1l2_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 118.105+/-0.034 χ^2/NDF: 1730918.0/16

Left Out: 305.950+/-0.055 χ^2/NDF:6634928.0/24

Right Out: 100.764+/-0.028 χ^2/NDF: 2617456.4/20

Left In: 303.278+/-0.055 χ^2/NDF:4813442.3/22

Left: 304.603+/-0.039 χ^2/NDF: 11449555.3/47

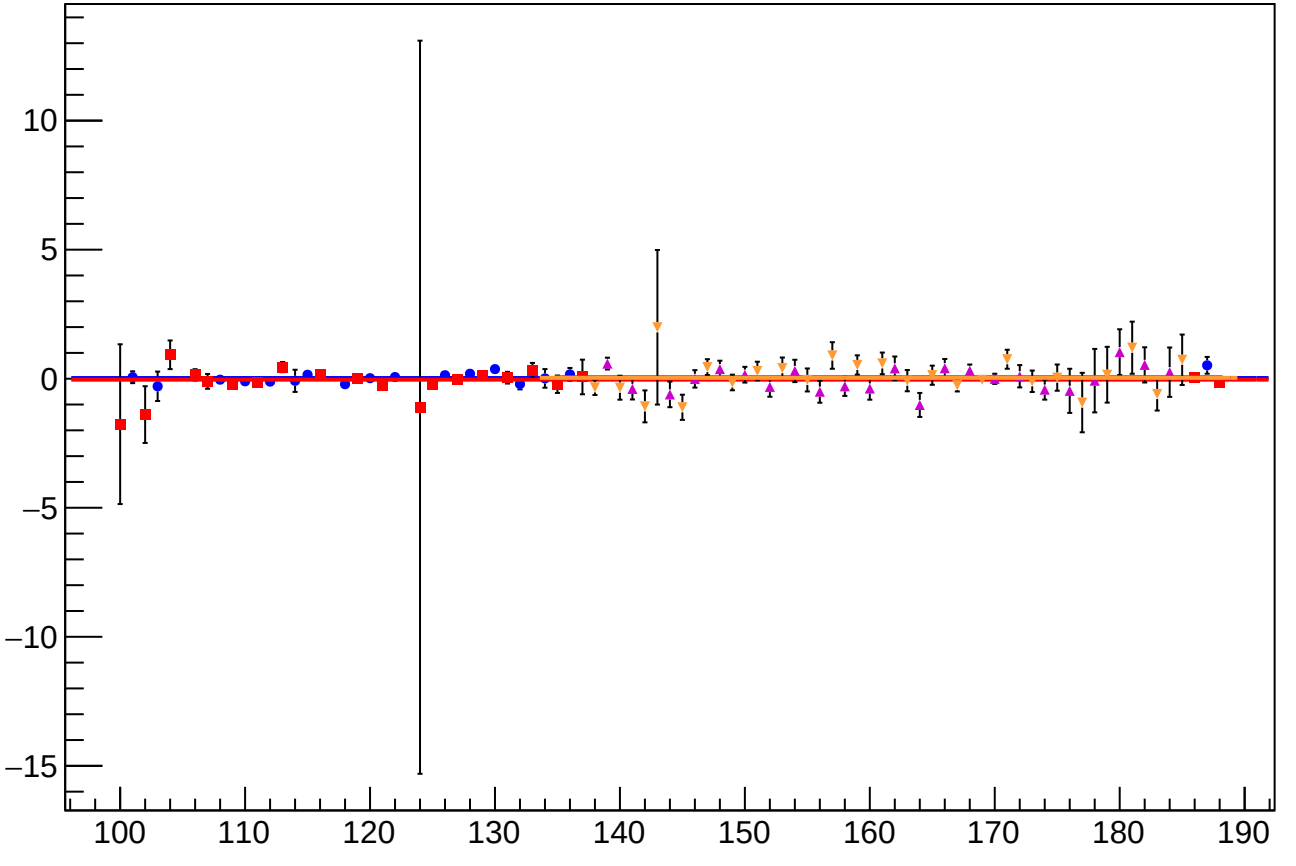
Right: 107.766+/-0.021 χ^2/NDF: 4508078.4/37

In: 168.673+/-0.029 χ^2/NDF:14885884.4/39

Out: 141.845+/-0.025 χ^2/NDF:20339390.2/45

All: 153.300+/-0.019 χ^2/NDF: 35730694.0/85

asym_atr1l2_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.026+/-0.047 χ^2/NDF: 14.1/16

Left Out: 0.034+/-0.078 χ^2/NDF:30.5/24

Right Out: -0.036+/-0.039 χ^2/NDF: 23.8/20

Left In: 0.056+/-0.077 χ^2/NDF:26.1/22

Left: 0.045+/-0.055 χ^2/NDF: 56.5/47

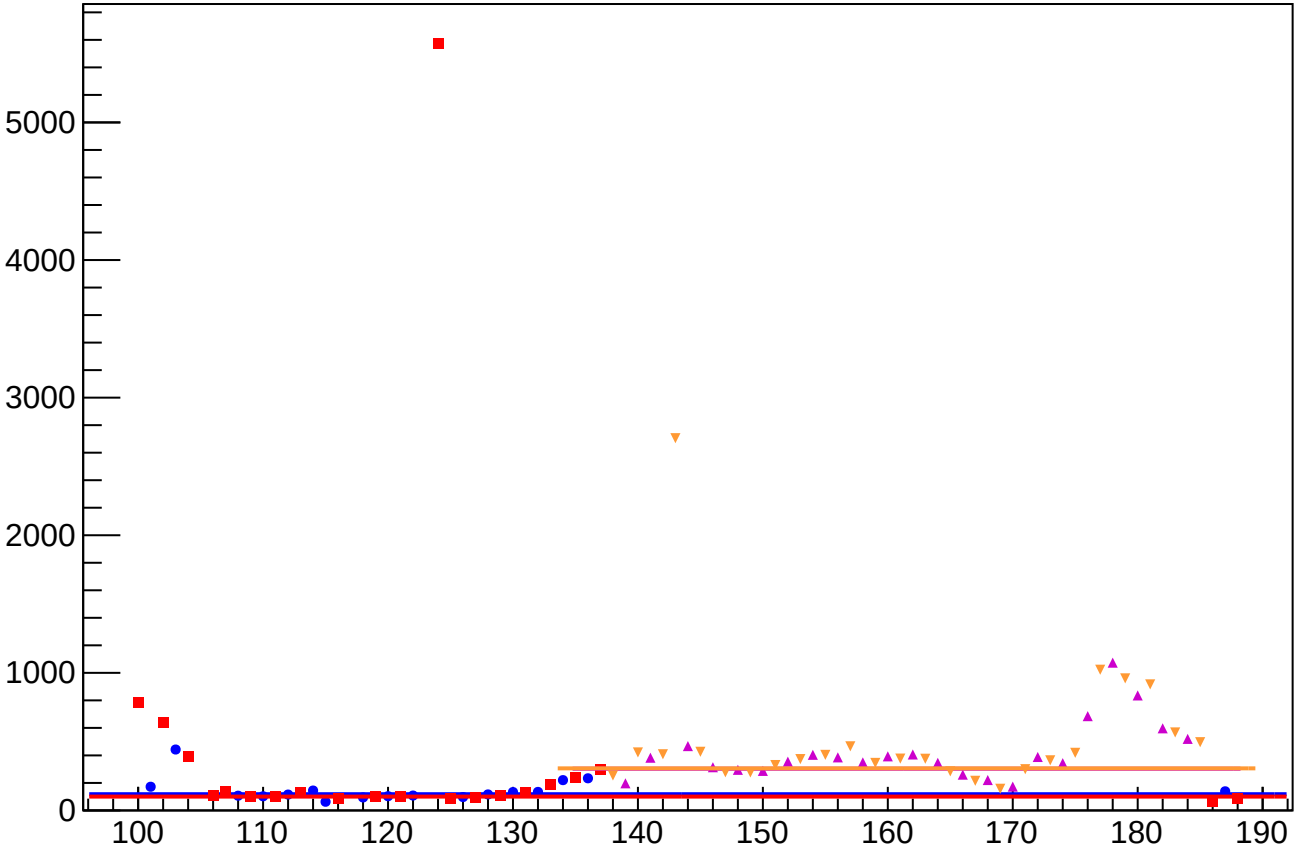
Right: -0.011+/-0.030 χ^2/NDF: 39.0/37

In: 0.034+/-0.040 χ^2/NDF:40.3/39

Out: -0.022+/-0.035 χ^2/NDF:55.0/45

All: 0.002+/-0.026 χ^2/NDF: 96.4/85

asym_atr1l2_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 118.105+/-0.034 χ^2/NDF: 1730918.0/16

Left Out: 305.950+/-0.055 χ^2/NDF:6634928.0/24

Right Out: 100.764+/-0.028 χ^2/NDF: 2617456.4/20

Left In: 303.278+/-0.055 χ^2/NDF:4813442.3/22

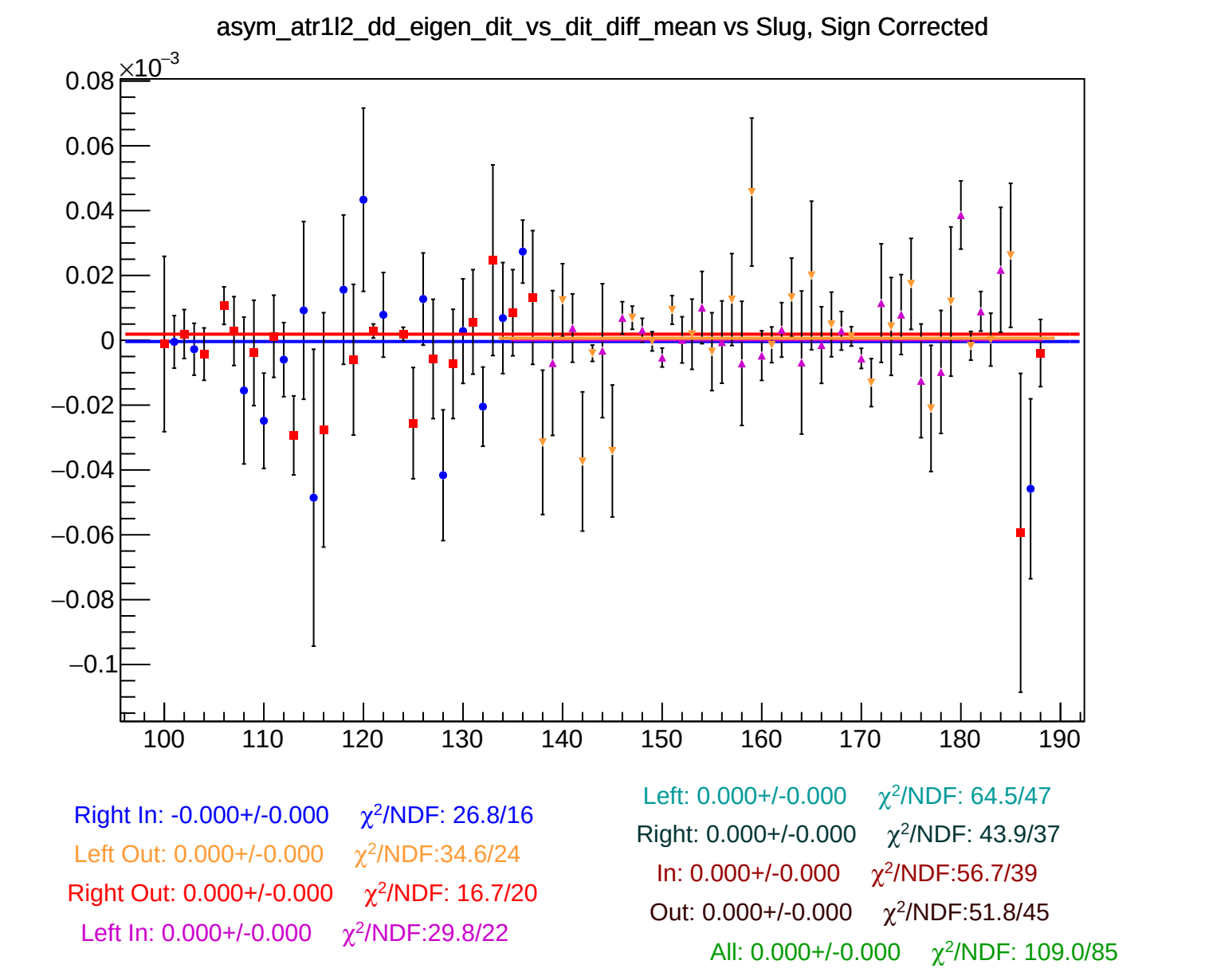
Left: 304.603+/-0.039 χ^2/NDF: 11449555.3/47

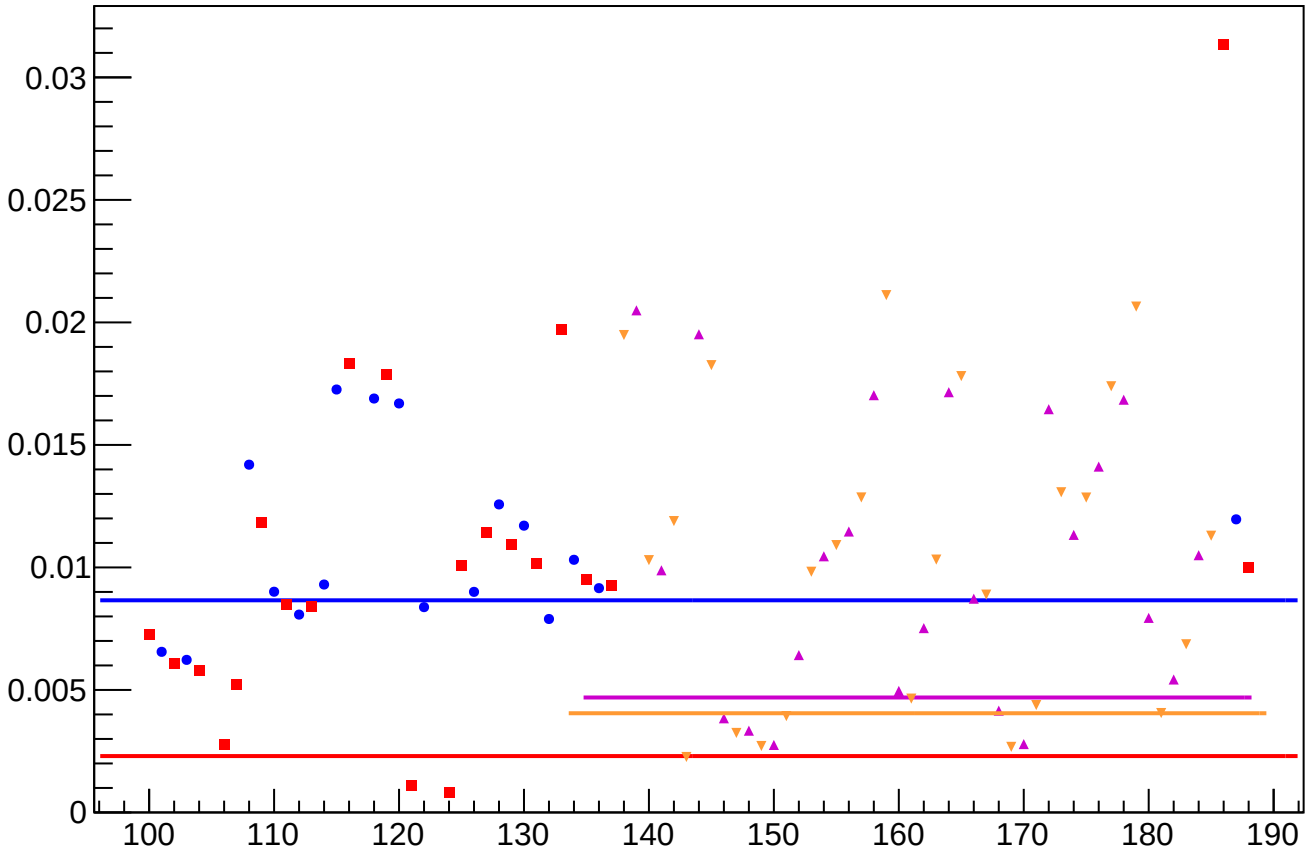
Right: 107.766+/-0.021 χ^2/NDF: 4508078.4/37

In: 168.673+/-0.029 χ^2/NDF:14885884.4/39

Out: 141.845+/-0.025 χ^2/NDF:20339390.2/45

All: 153.300+/-0.019 χ^2/NDF: 35730694.0/85


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
110
120
130
140
150
160
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 26.8/16
Left Out: 0.000+/-0.000 χ²/NDF:34.6/24
Right Out: 0.000+/-0.000 χ²/NDF: 16.7/20
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: 43.9/37
In: 0.000+/-0.000 χ²/NDF:56.7/39
Out: 0.000+/-0.000 χ²/NDF:51.8/45
All: 0.000+/-0.000 χ²/NDF: 109.0/85



Right In: 0.009+/-0.000 χ^2/NDF: 1143021.7/16

Left Out: 0.004+/-0.000 χ^2/NDF:13552895.5/24

Right Out: 0.002+/-0.000 χ^2/NDF: 10916956.5/20

Left In: 0.005+/-0.000 χ^2/NDF:10859759.8/22

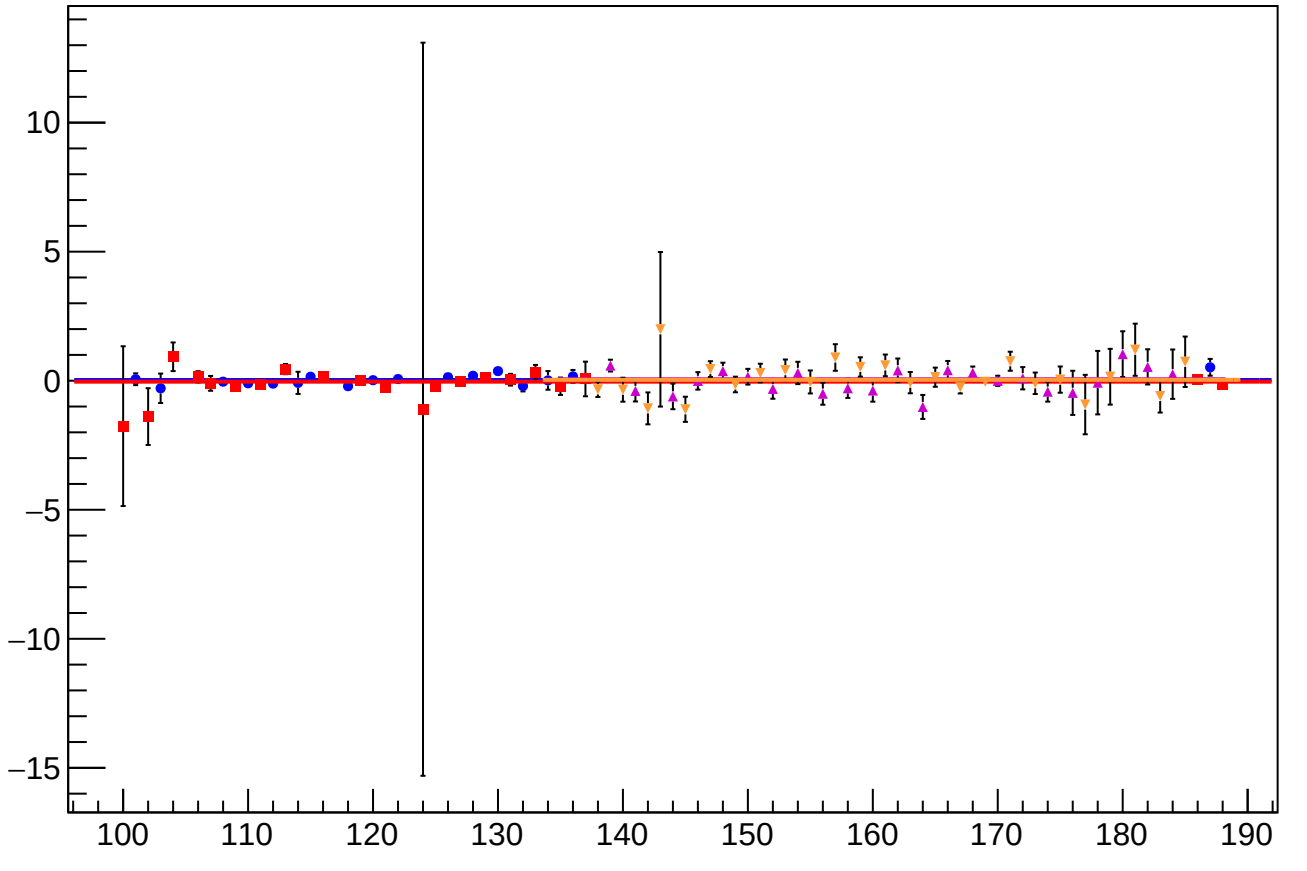
Left: 0.004+/-0.000 χ^2/NDF: 24656660.1/47

Right: 0.003+/-0.000 χ^2/NDF: 18288327.9/37

In: 0.005+/-0.000 χ^2/NDF:14390221.8/39

Out: 0.003+/-0.000 χ^2/NDF:26390057.9/45

All: 0.004+/-0.000 χ^2/NDF: 44087338.8/85



Right In: 0.026+/-0.047 χ^2/NDF: 14.1/16

Left Out: 0.034+/-0.078 χ^2/NDF:30.5/24

Right Out: -0.036+/-0.039 χ^2/NDF: 23.8/20

Left In: 0.056+/-0.077 χ^2/NDF:26.0/22

Left: 0.045+/-0.055 χ^2/NDF: 56.5/47

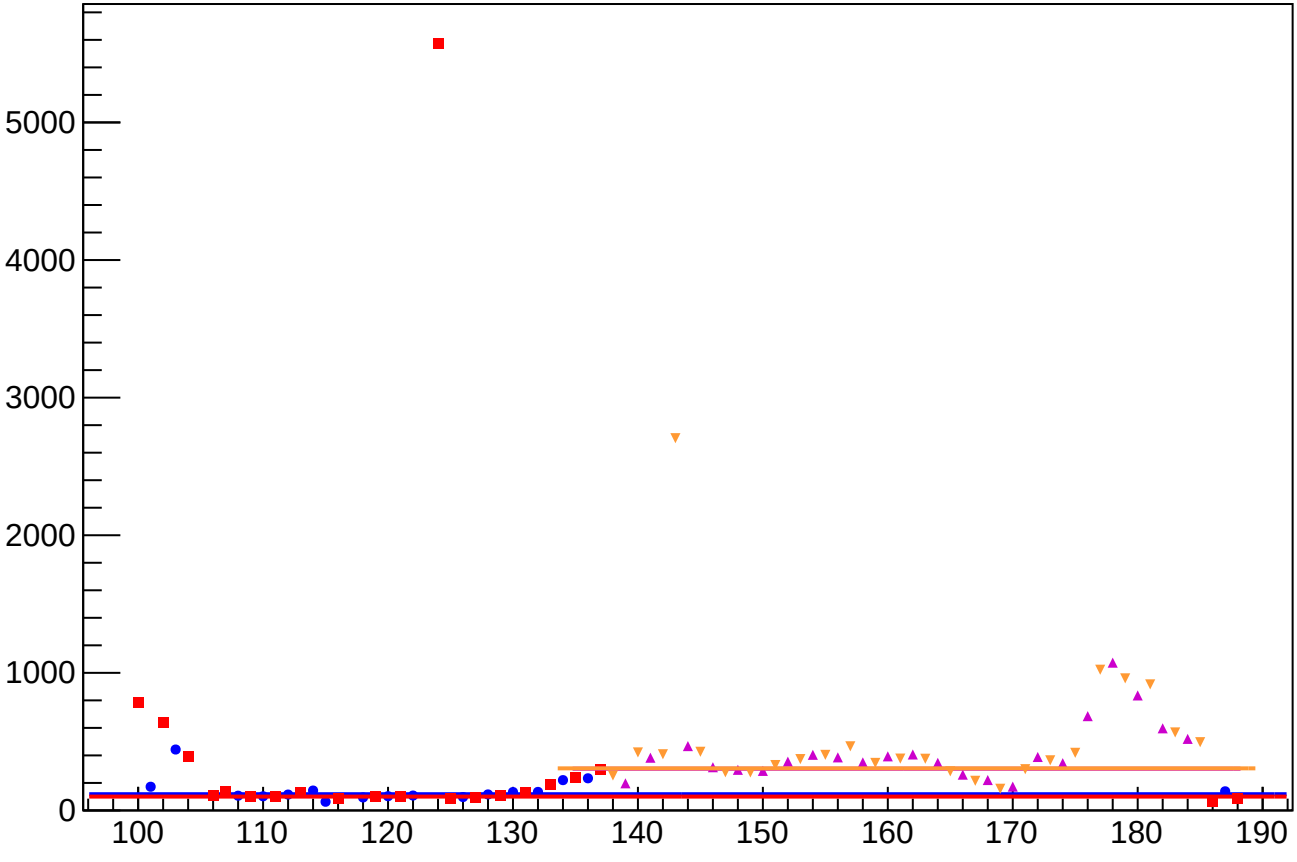
Right: -0.011+/-0.030 χ^2/NDF: 39.0/37

In: 0.034+/-0.040 χ^2/NDF:40.3/39

Out: -0.022+/-0.035 χ^2/NDF:55.0/45

All: 0.002+/-0.026 χ^2/NDF: 96.4/85

asym_atr1l2_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 118.105+/-0.034 χ^2/NDF: 1730884.0/16

Left Out: 305.951+/-0.055 χ^2/NDF:6634999.6/24

Right Out: 100.765+/-0.028 χ^2/NDF: 2617335.5/20

Left In: 303.281+/-0.055 χ^2/NDF:4813426.5/22

Left: 304.605+/-0.039 χ^2/NDF: 11449609.9/47

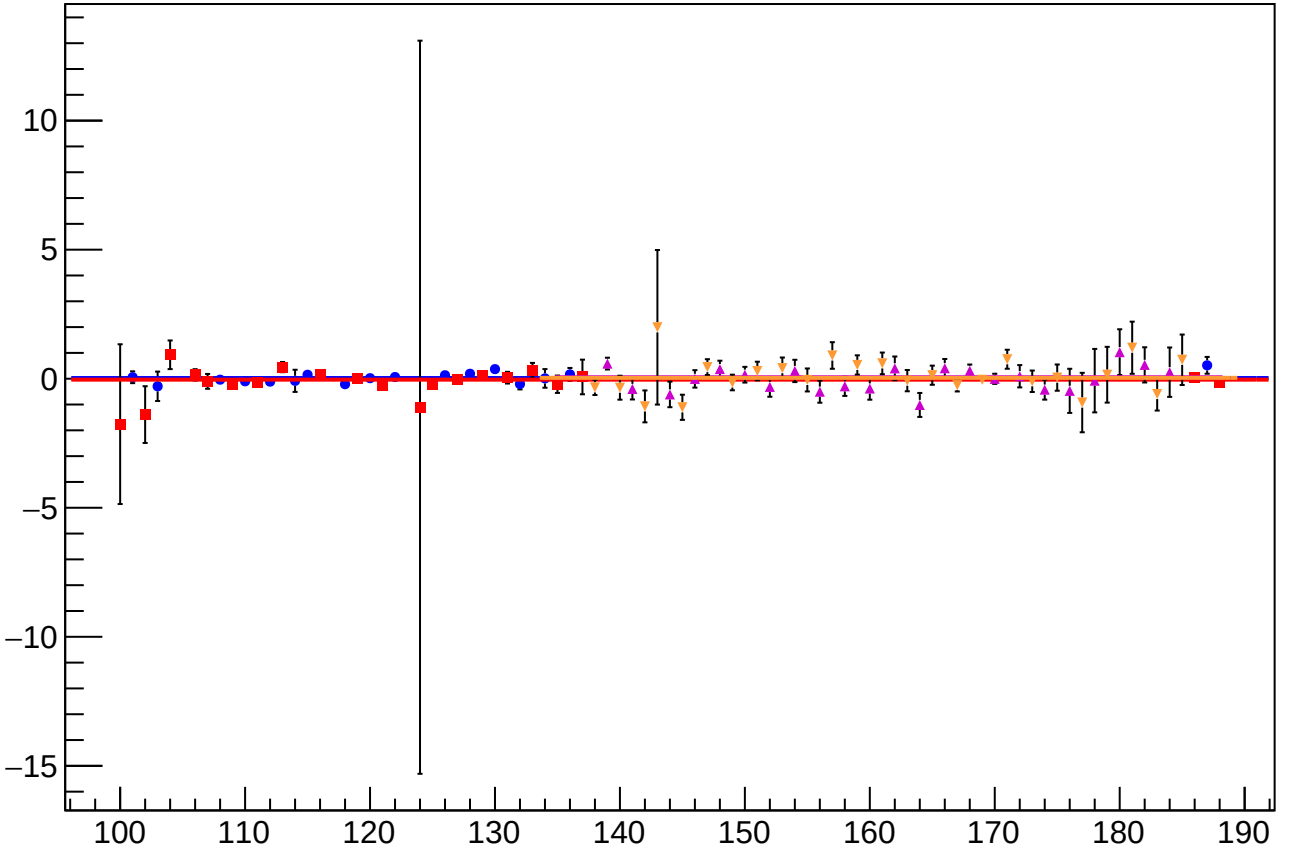
Right: 107.767+/-0.021 χ^2/NDF: 4507897.3/37

In: 168.673+/-0.029 χ^2/NDF:14885982.1/39

Out: 141.846+/-0.025 χ^2/NDF:20339237.9/45

All: 153.301+/-0.019 χ^2/NDF: 35730588.8/85

asym_atr1l2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.026+/-0.047 χ^2/NDF: 14.1/16

Left Out: 0.034+/-0.078 χ^2/NDF:30.5/24

Right Out: -0.036+/-0.039 χ^2/NDF: 23.8/20

Left In: 0.056+/-0.077 χ^2/NDF:26.0/22

Left: 0.045+/-0.055 χ^2/NDF: 56.5/47

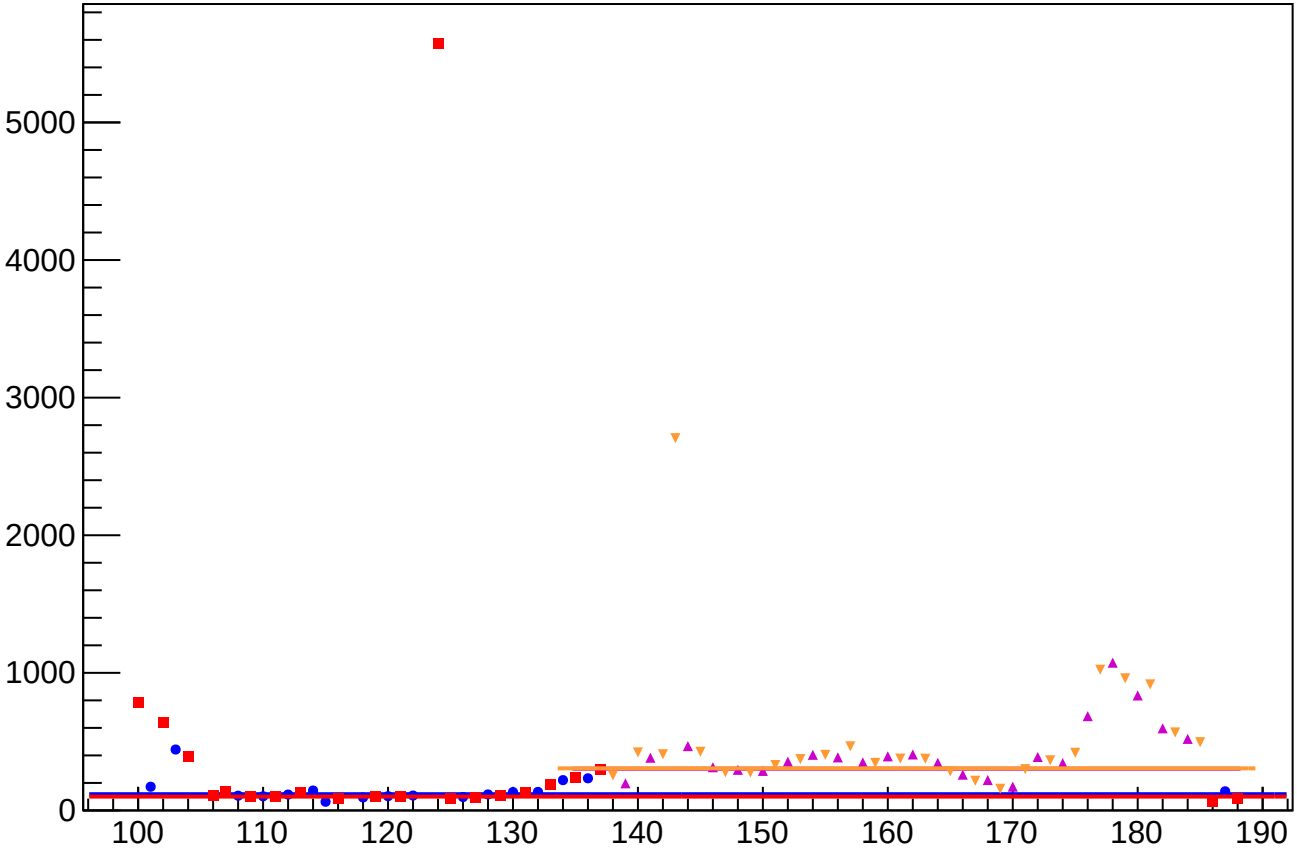
Right: -0.011+/-0.030 χ^2/NDF: 39.0/37

In: 0.034+/-0.040 χ^2/NDF:40.3/39

Out: -0.022+/-0.035 χ^2/NDF:55.0/45

All: 0.002+/-0.026 χ^2/NDF: 96.4/85

asym_atr1l2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 118.105+/-0.034 χ^2/NDF: 1730884.0/16

Left Out: 305.951+/-0.055 χ^2/NDF:6634999.6/24

Right Out: 100.765+/-0.028 χ^2/NDF: 2617335.5/20

Left In: 303.281+/-0.055 χ^2/NDF:4813426.5/22

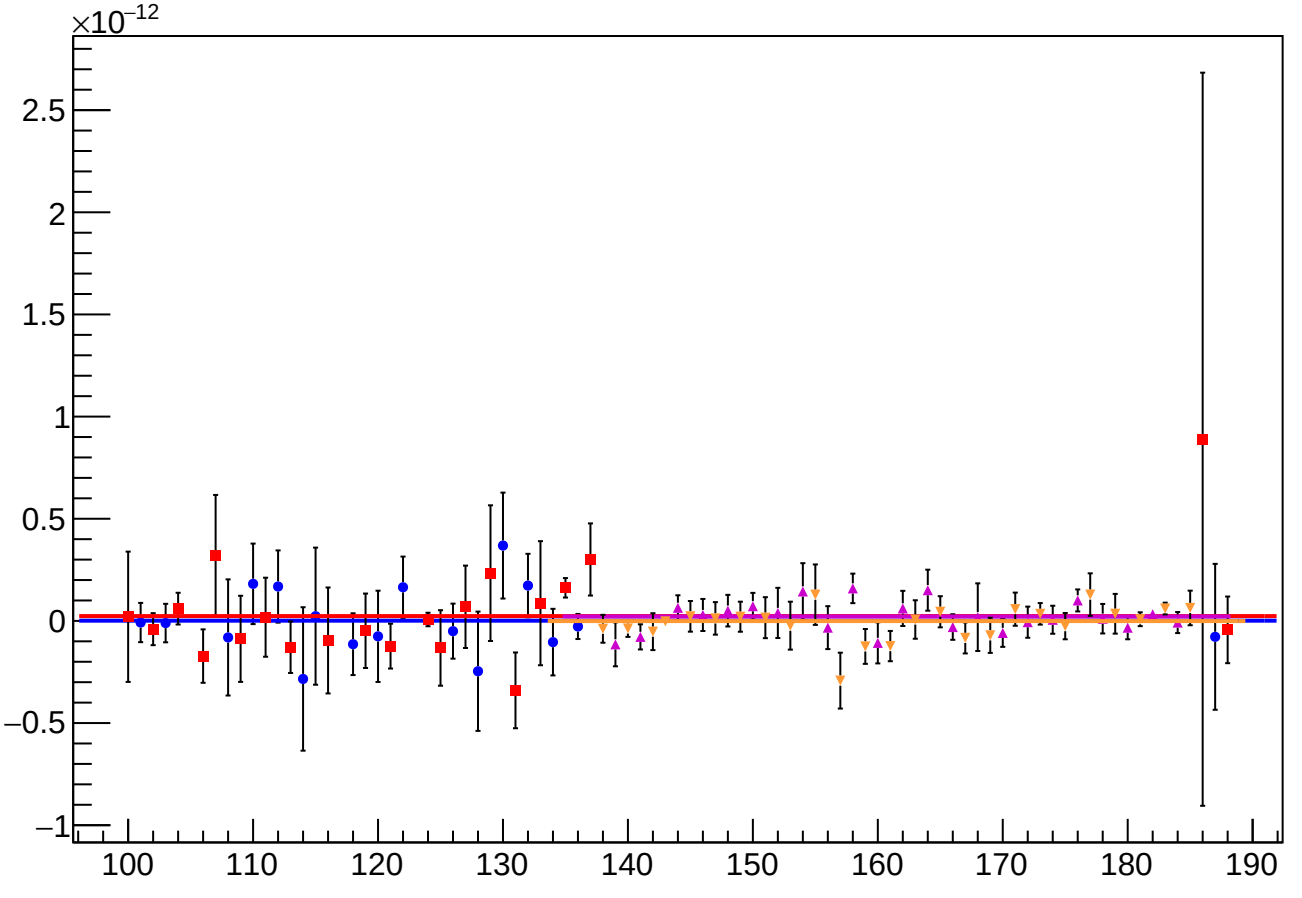
Left: 304.605+/-0.039 χ^2/NDF: 11449609.9/47

Right: 107.767+/-0.021 χ^2/NDF: 4507897.3/37

In: 168.673+/-0.029 χ^2/NDF:14885982.1/39

Out: 141.846+/-0.025 χ^2/NDF:20339237.9/45

All: 153.301+/-0.019 χ^2/NDF: 35730588.8/85



Right In: 0.000+/-0.000 χ^2/NDF: 9.2/16

Left Out: -0.000+/-0.000 χ^2/NDF:22.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 24.6/20

Left In: 0.000+/-0.000 χ^2/NDF:19.5/22

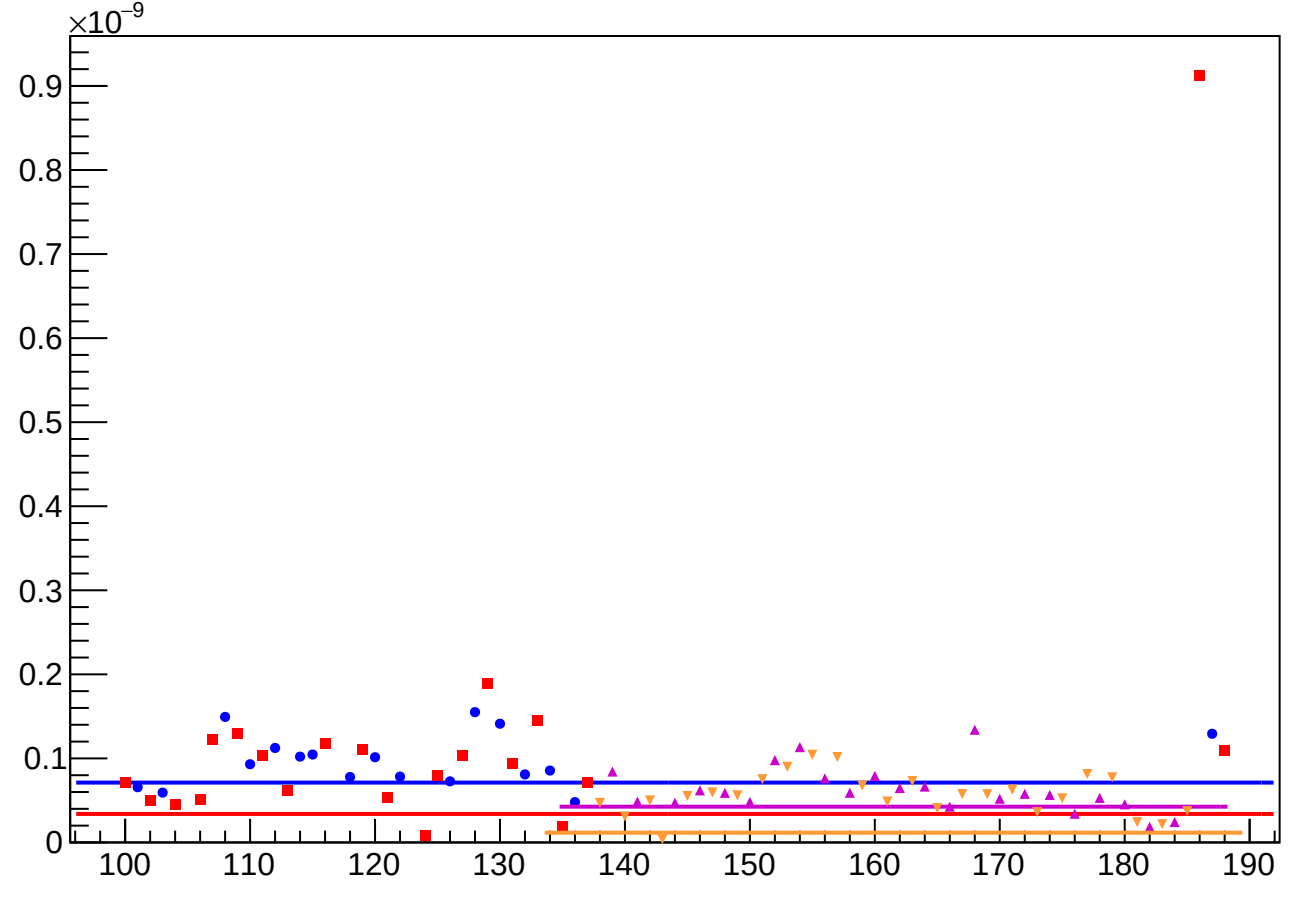
Left: 0.000+/-0.000 χ^2/NDF: 44.0/47

Right: 0.000+/-0.000 χ^2/NDF: 34.1/37

In: 0.000+/-0.000 χ^2/NDF:29.0/39

Out: 0.000+/-0.000 χ^2/NDF:47.9/45

All: 0.000+/-0.000 χ^2/NDF: 78.7/85



Right In: 0.000+/-0.000 χ^2/NDF: 1077123.5/16

Left Out: 0.000+/-0.000 χ^2/NDF:17863822.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5366276.7/20

Left In: 0.000+/-0.000 χ^2/NDF:5419961.9/22

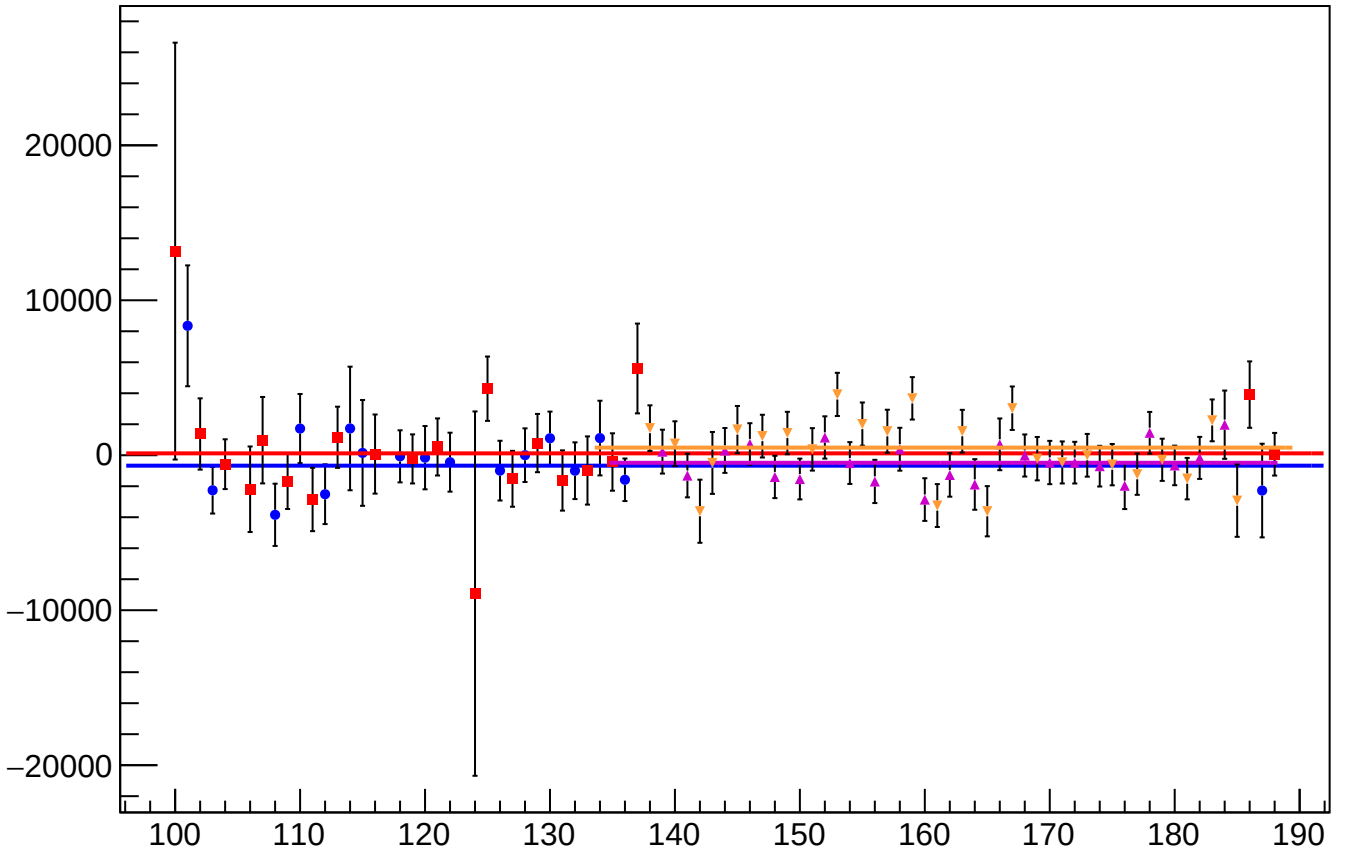
Left: 0.000+/-0.000 χ^2/NDF: 32408011.0/47

Right: 0.000+/-0.000 χ^2/NDF: 8146001.0/37

In: 0.000+/-0.000 χ^2/NDF:7713986.8/39

Out: 0.000+/-0.000 χ^2/NDF:25241496.6/45

All: 0.000+/-0.000 χ^2/NDF: 44801711.7/85



Right In: -673.024+/-482.395 χ^2/NDF: 14.2/16

Left Out: 492.062+/-288.495 χ^2/NDF:46.9/24

Right Out: 121.728+/-449.522 χ^2/NDF: 19.2/20

Left In: -486.821+/-293.769 χ^2/NDF:14.4/22

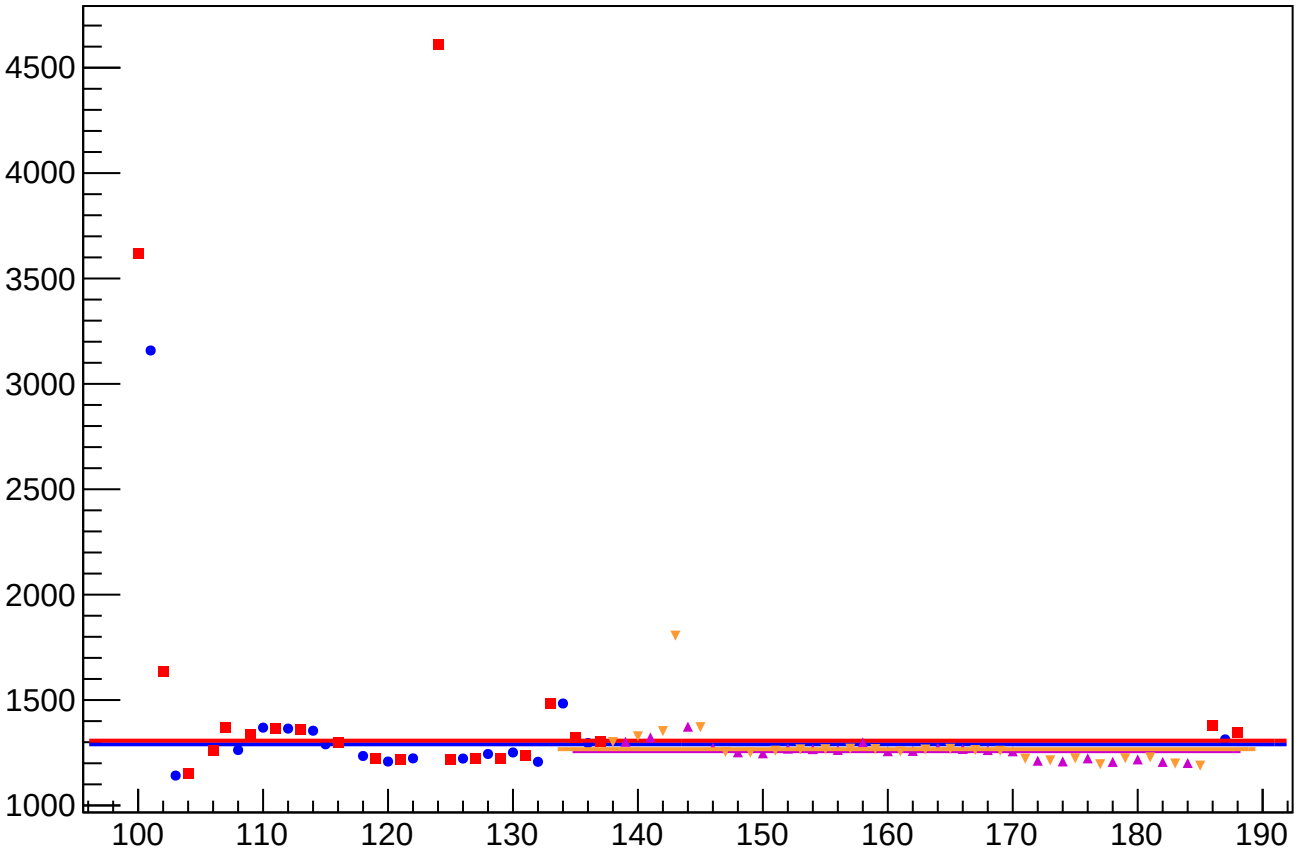
Left: 11.486+/-205.836 χ^2/NDF: 67.0/47

Right: -247.648+/-328.868 χ^2/NDF: 34.8/37

In: -537.195+/-250.905 χ^2/NDF:28.7/39

Out: 384.026+/-242.794 χ^2/NDF:66.5/45

All: -61.454+/-174.479 χ^2/NDF: 102.2/85



Right In: 1290.072+/-0.341 χ^2/NDF: 514795.6/16

Left Out: 1266.967+/-0.204 χ^2/NDF:187545.6/24

Right Out: 1307.259+/-0.317 χ^2/NDF: 323856.3/20

Left In: 1257.551+/-0.208 χ^2/NDF:36816.4/22

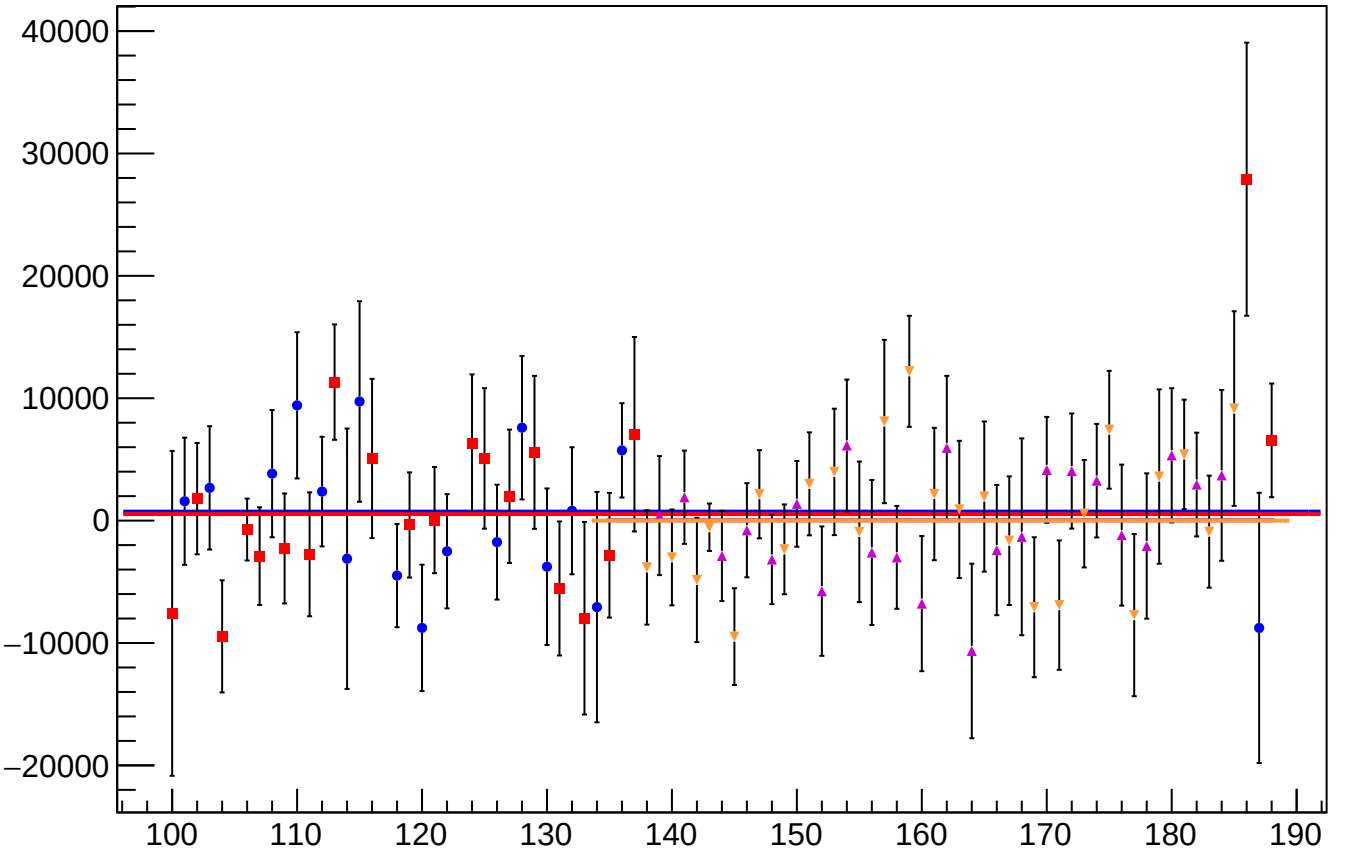
Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

Right: 1299.290+/-0.232 χ^2/NDF: 840013.6/37

In: 1266.349+/-0.177 χ^2/NDF:558242.4/39

Out: 1278.759+/-0.172 χ^2/NDF:522818.3/45

All: 1272.762+/-0.123 χ^2/NDF: 1083588.9/85



Right In: 733.408+/-1315.832 χ^2/NDF: 14.8/16

Left Out: -0.604+/-886.488 χ^2/NDF:29.1/24

Right Out: 538.329+/-1075.559 χ^2/NDF: 26.4/20

Left In: 31.593+/-995.348 χ^2/NDF:14.0/22

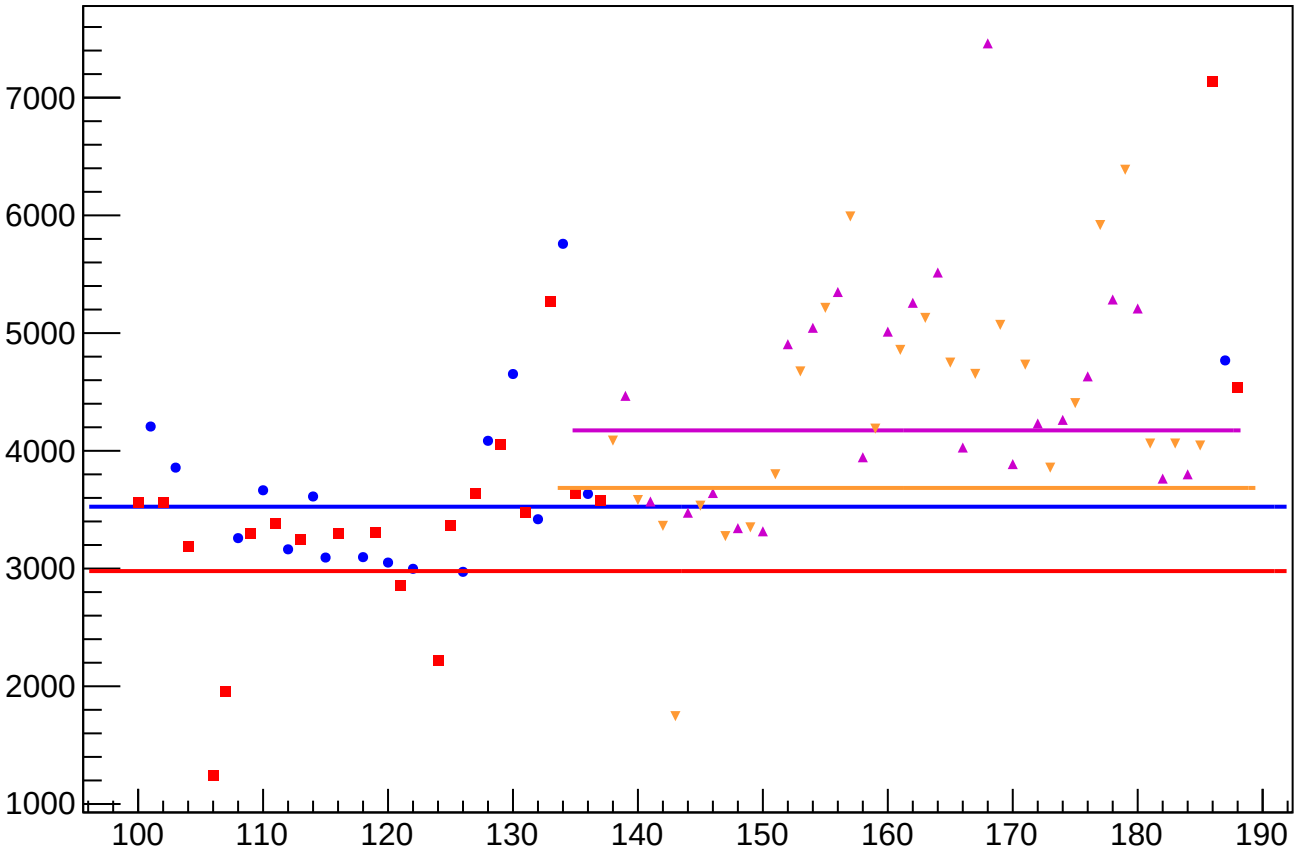
Left: 13.638+/-661.996 χ^2/NDF: 43.1/47

Right: 616.464+/-832.756 χ^2/NDF: 41.2/37

In: 287.018+/-793.818 χ^2/NDF:29.0/39

Out: 217.406+/-684.078 χ^2/NDF:55.6/45

All: 247.071+/-518.207 χ^2/NDF: 84.6/85



Right In: 3525.301+/-0.930 χ^2/NDF: 379677.5/16

Left Out: 3684.769+/-0.627 χ^2/NDF:3693646.6/24

Right Out: 2978.438+/-0.761 χ^2/NDF: 2031137.2/20

Left In: 4173.556+/-0.704 χ^2/NDF:1274968.4/22

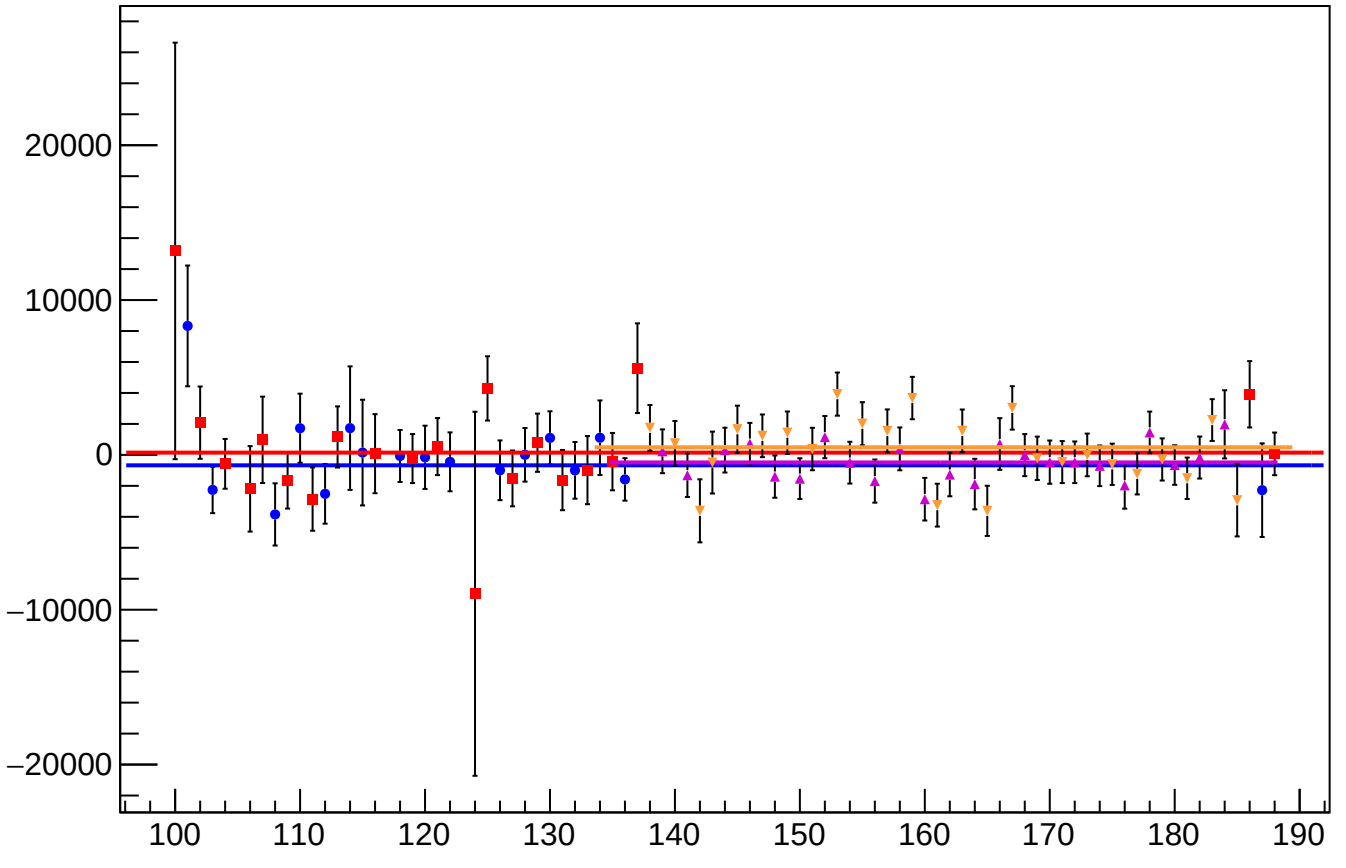
Left: 3900.981+/-0.468 χ^2/NDF: 5237573.9/47

Right: 3197.473+/-0.589 χ^2/NDF: 2617902.3/37

In: 3937.624+/-0.561 χ^2/NDF:1963400.0/39

Out: 3399.042+/-0.484 χ^2/NDF:6238405.2/45

All: 3628.560+/-0.366 χ^2/NDF: 8730114.9/85



Right In: -673.402+/-482.395 χ^2/NDF: 14.2/16

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: 146.579+/-449.775 χ^2/NDF: 19.6/20

Left In: -486.720+/-293.769 χ^2/NDF:14.4/22

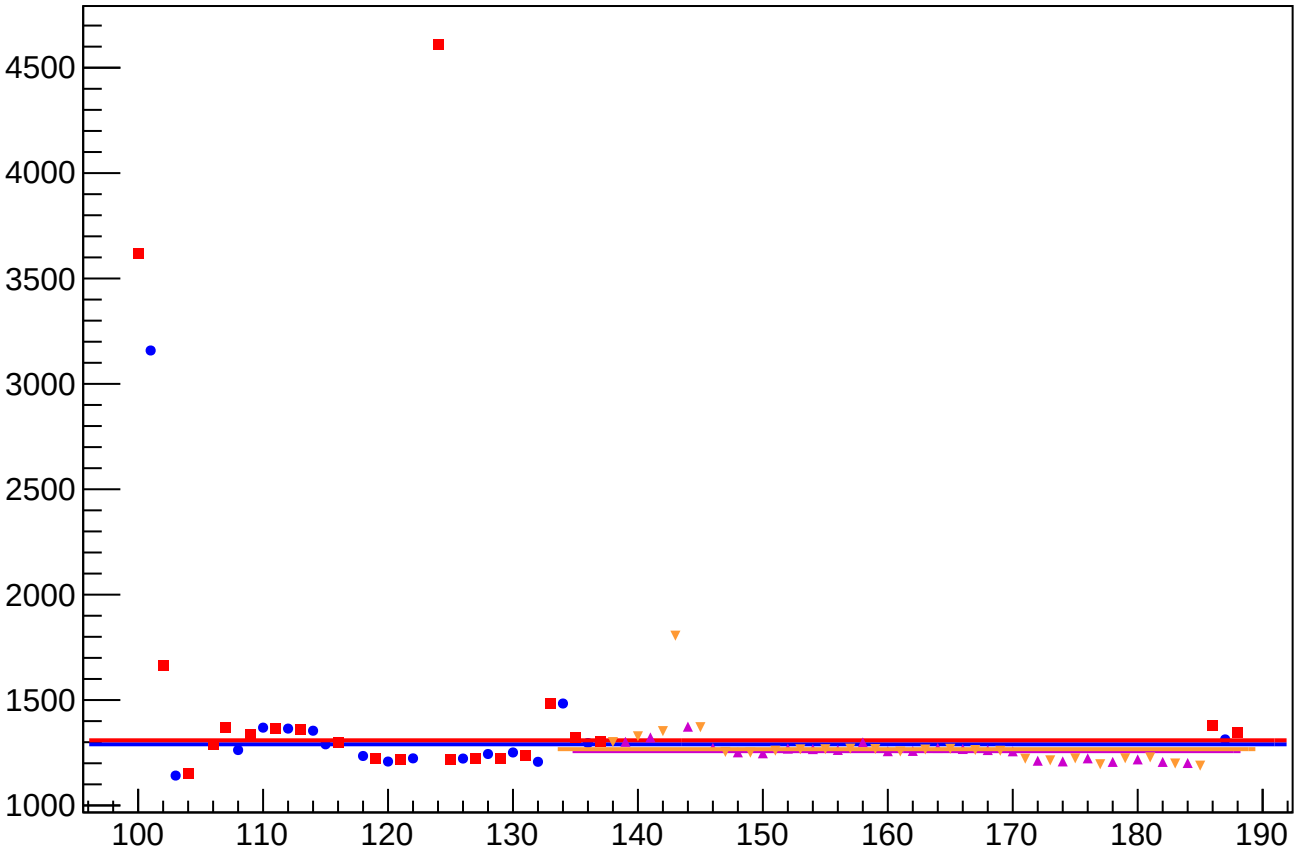
Left: 11.544+/-205.836 χ^2/NDF: 67.0/47

Right: -234.752+/-328.967 χ^2/NDF: 35.3/37

In: -537.223+/-250.905 χ^2/NDF:28.7/39

Out: 391.368+/-242.834 χ^2/NDF:66.9/45

All: -57.752+/-174.493 χ^2/NDF: 102.7/85



Right In: 1290.072+/-0.341 χ^2/NDF: 514797.0/16

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

Right Out: 1309.004+/-0.318 χ^2/NDF: 330097.7/20

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

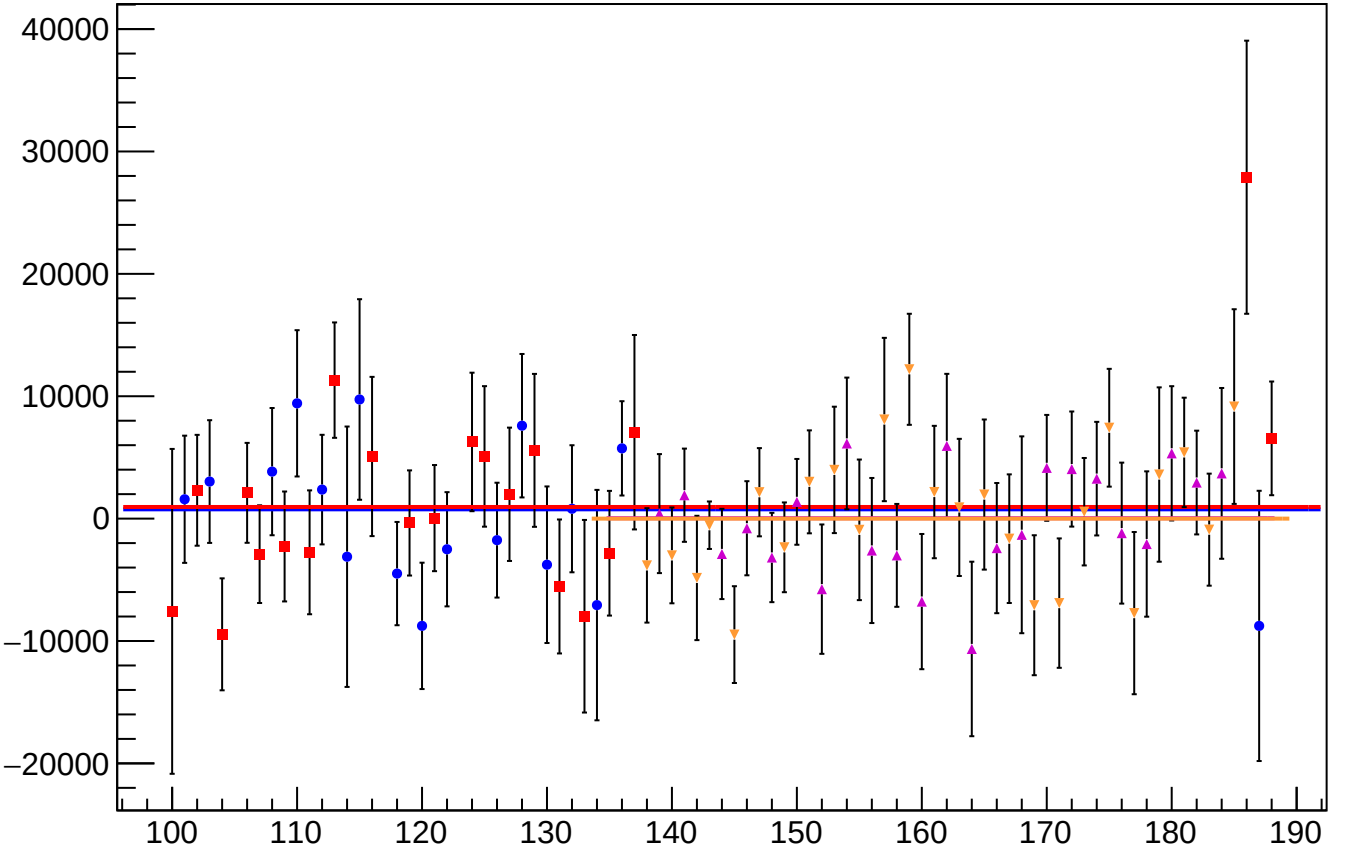
Right: 1300.214+/-0.232 χ^2/NDF: 846545.0/37

In: 1266.349+/-0.177 χ^2/NDF:558243.8/39

Out: 1279.248+/-0.172 χ^2/NDF:530048.2/45

All: 1273.012+/-0.123 χ^2/NDF: 1091022.6/85

asym_atl_dd_atr_dd_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: 758.865+/-1315.387 χ^2/NDF: 14.8/16

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

Right Out: 950.718+/-1140.555 χ^2/NDF: 26.2/20

Left In: 31.597+/-995.347 χ^2/NDF:14.0/22

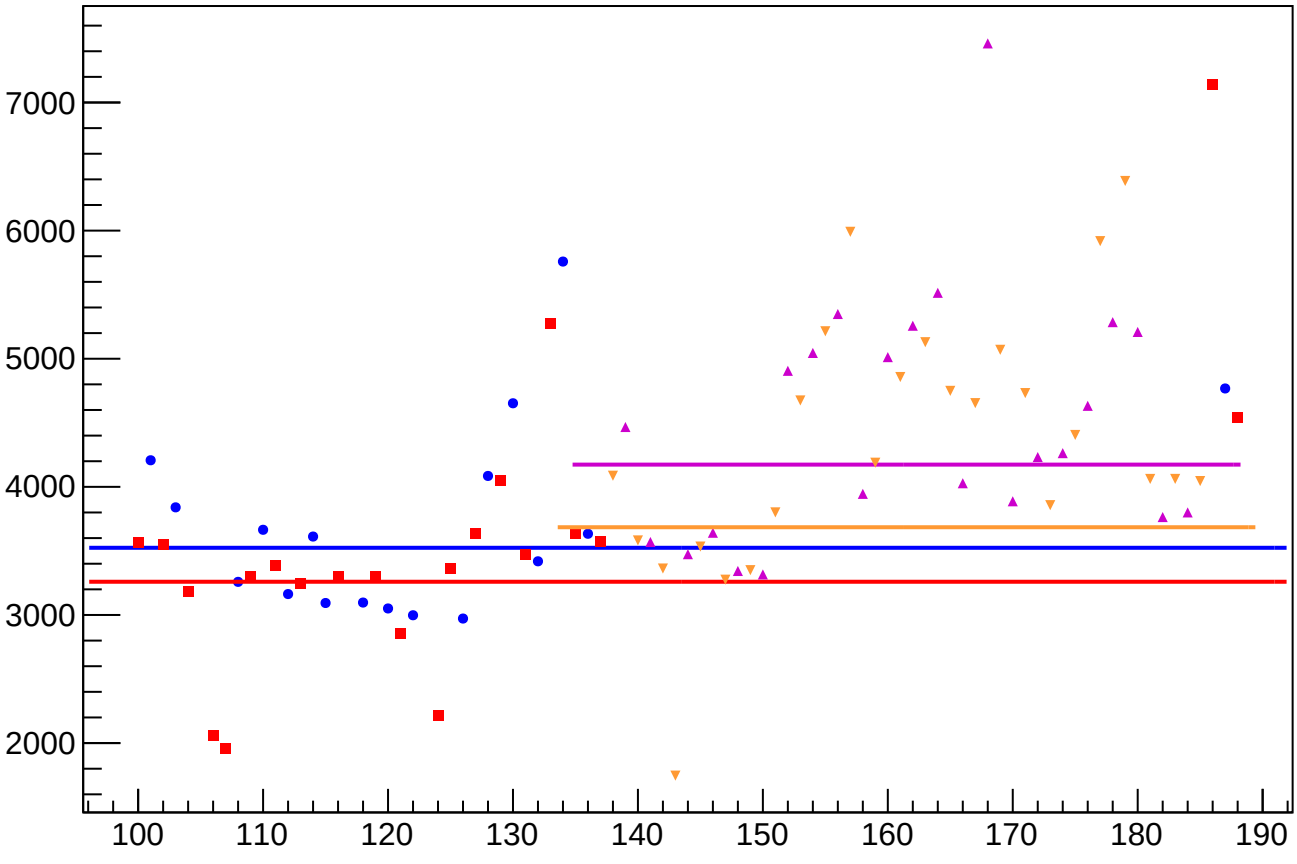
Left: 13.675+/-661.996 χ^2/NDF: 43.1/47

Right: 868.380+/-861.726 χ^2/NDF: 41.1/37

In: 296.399+/-793.719 χ^2/NDF:29.1/39

Out: 357.702+/-699.932 χ^2/NDF:55.7/45

All: 330.885+/-524.970 χ^2/NDF: 84.8/85



Right In: 3524.389+/-0.930 χ^2/NDF: 378974.6/16

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

Right Out: 3259.310+/-0.806 χ^2/NDF: 1066399.1/20

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

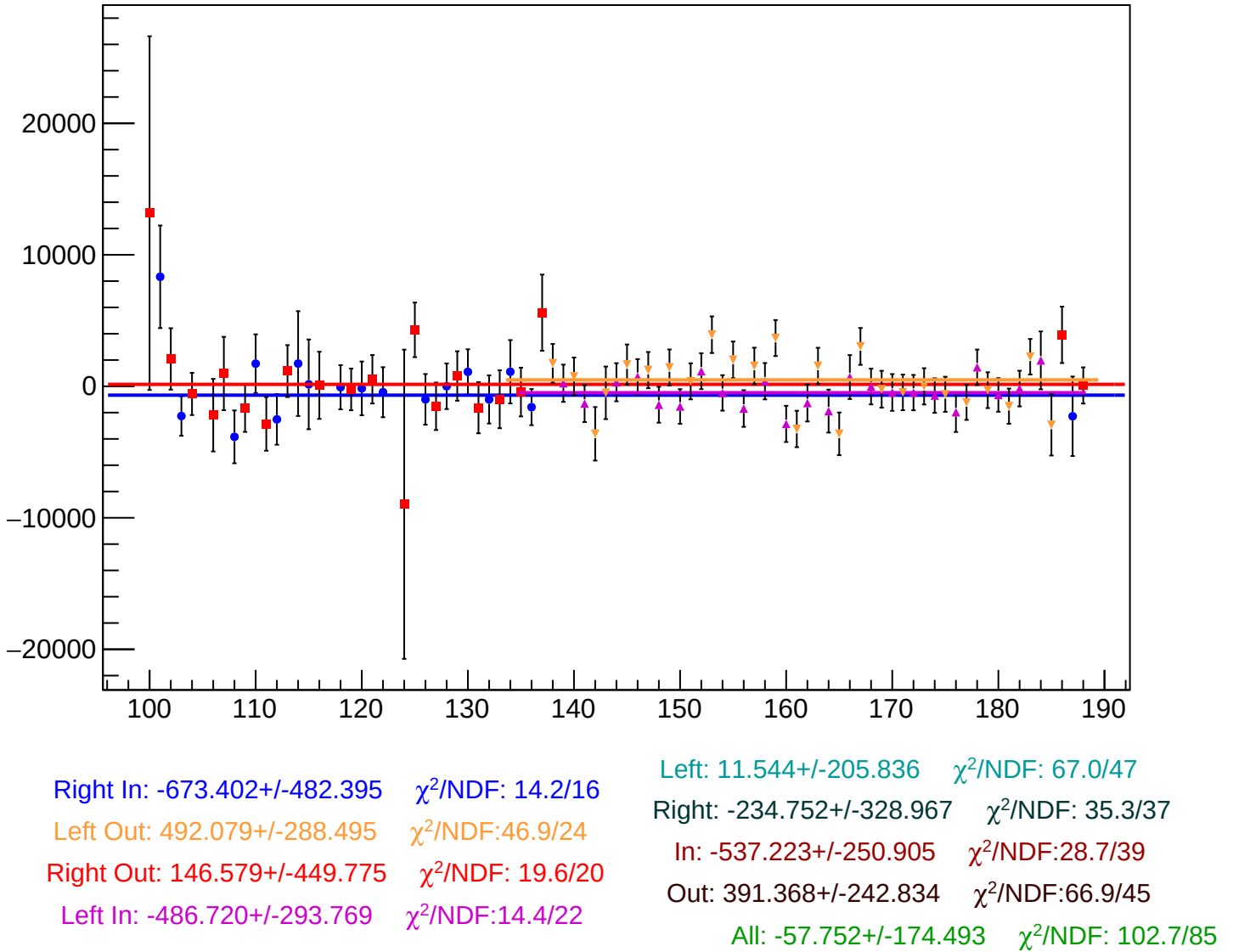
Left: 3900.975+/-0.468 χ^2/NDF: 5237615.0/47

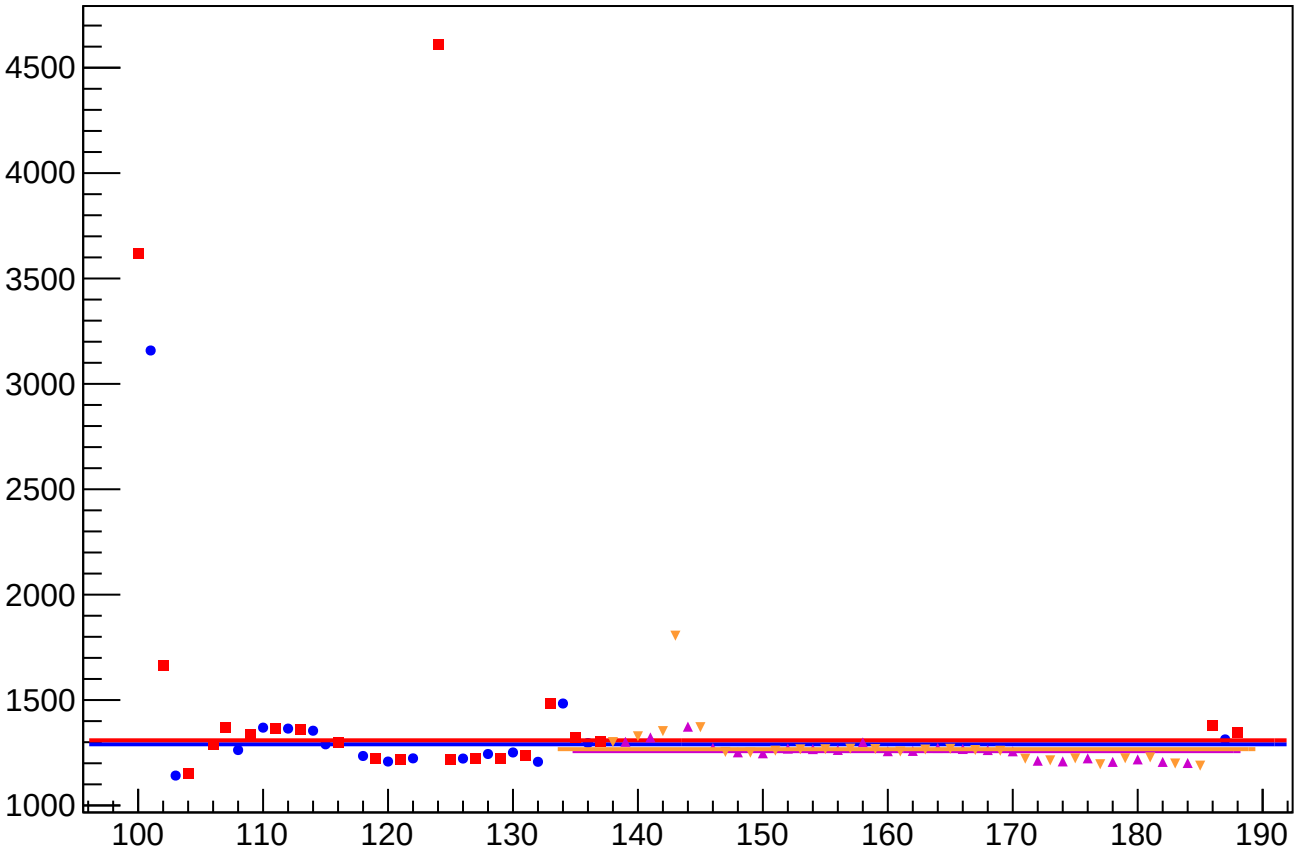
Right: 3373.074+/-0.609 χ^2/NDF: 1491737.7/37

In: 3937.187+/-0.561 χ^2/NDF:1963693.1/39

Out: 3524.537+/-0.495 χ^2/NDF:4933573.1/45

All: 3705.053+/-0.371 χ^2/NDF: 7201366.5/85


eigen_cor_asym_atl_dd_atr_dd_avg_mean vs Slug, Sign Corrected
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
170
180
190
Right In: -673.402+/-482.395 χ²/NDF: 14.2/16
Left Out: 492.079+/-288.495 χ²/NDF:46.9/24
Right Out: 146.579+/-449.775 χ²/NDF: 19.6/20
Left In: -486.720+/-293.769 χ²/NDF:14.4/22
Left: 11.544+/-205.836 χ²/NDF: 67.0/47
Right: -234.752+/-328.967 χ²/NDF: 35.3/37
In: -537.223+/-250.905 χ²/NDF:28.7/39
Out: 391.368+/-242.834 χ²/NDF:66.9/45
All: -57.752+/-174.493 χ²/NDF: 102.7/85



Right In: 1290.072+/-0.341 χ^2/NDF: 514797.0/16

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

Right Out: 1309.004+/-0.318 χ^2/NDF: 330097.7/20

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

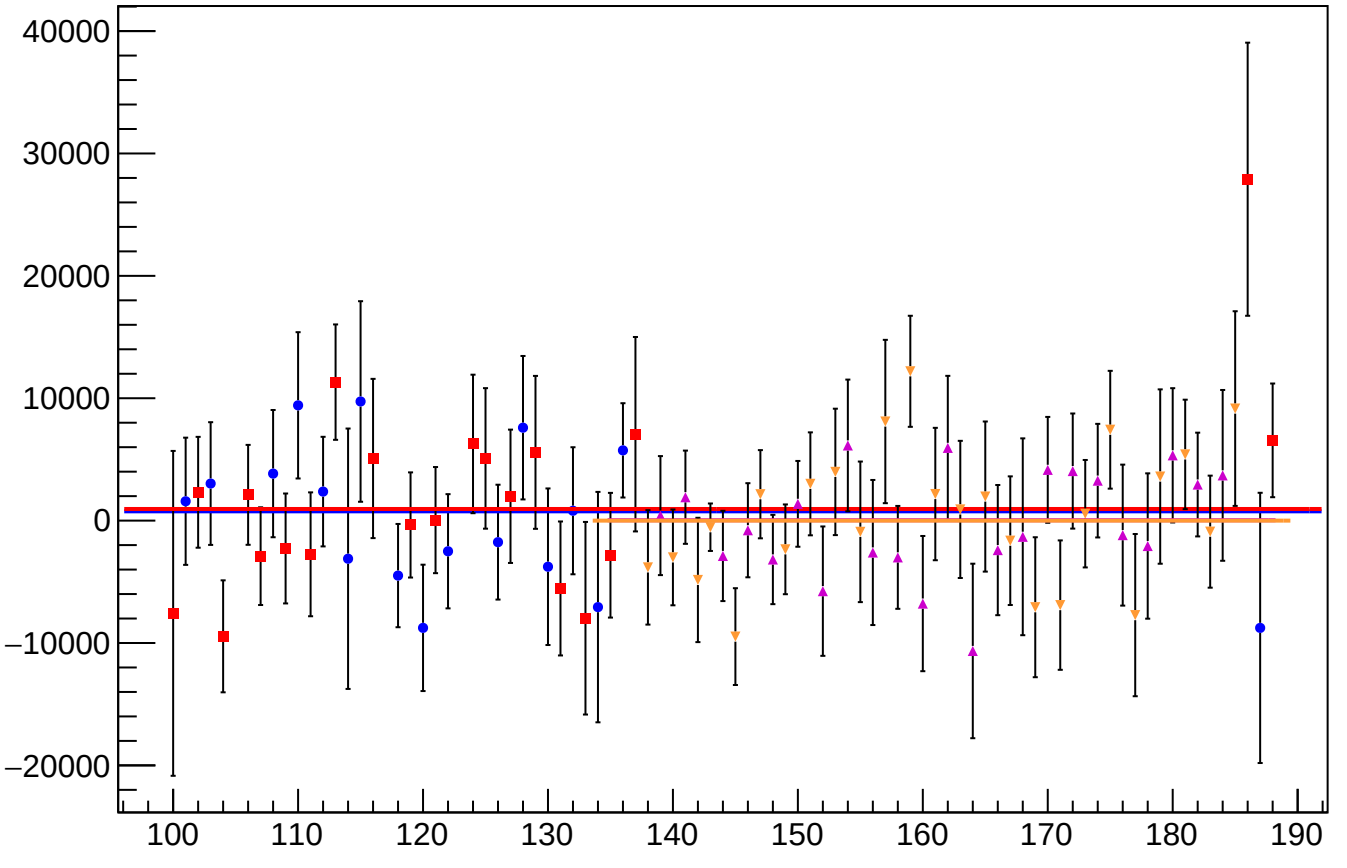
Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

Right: 1300.214+/-0.232 χ^2/NDF: 846545.0/37

In: 1266.349+/-0.177 χ^2/NDF:558243.8/39

Out: 1279.248+/-0.172 χ^2/NDF:530048.2/45

All: 1273.012+/-0.123 χ^2/NDF: 1091022.6/85



Right In: 758.865+/-1315.387 χ^2/NDF: 14.8/16

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

Right Out: 950.718+/-1140.555 χ^2/NDF: 26.2/20

Left In: 31.597+/-995.347 χ^2/NDF:14.0/22

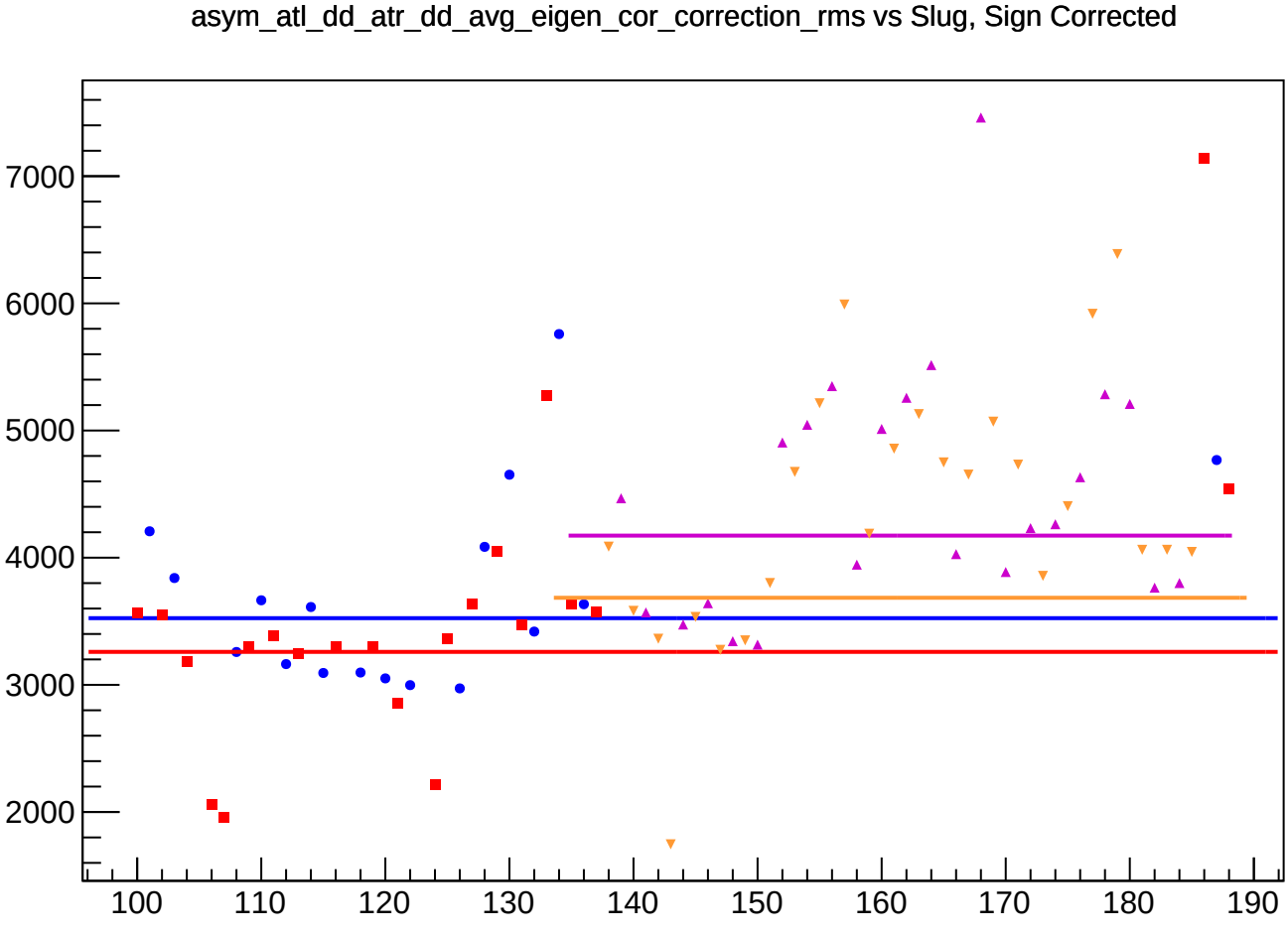
Left: 13.675+/-661.996 χ^2/NDF: 43.1/47

Right: 868.380+/-861.726 χ^2/NDF: 41.1/37

In: 296.399+/-793.719 χ^2/NDF:29.1/39

Out: 357.702+/-699.932 χ^2/NDF:55.7/45

All: 330.885+/-524.970 χ^2/NDF: 84.8/85



Right In: 3524.389+/-0.930 χ^2/NDF: 378974.6/16

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

Right Out: 3259.310+/-0.806 χ^2/NDF: 1066399.1/20

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

Left: 3900.975+/-0.468 χ^2/NDF: 5237615.0/47

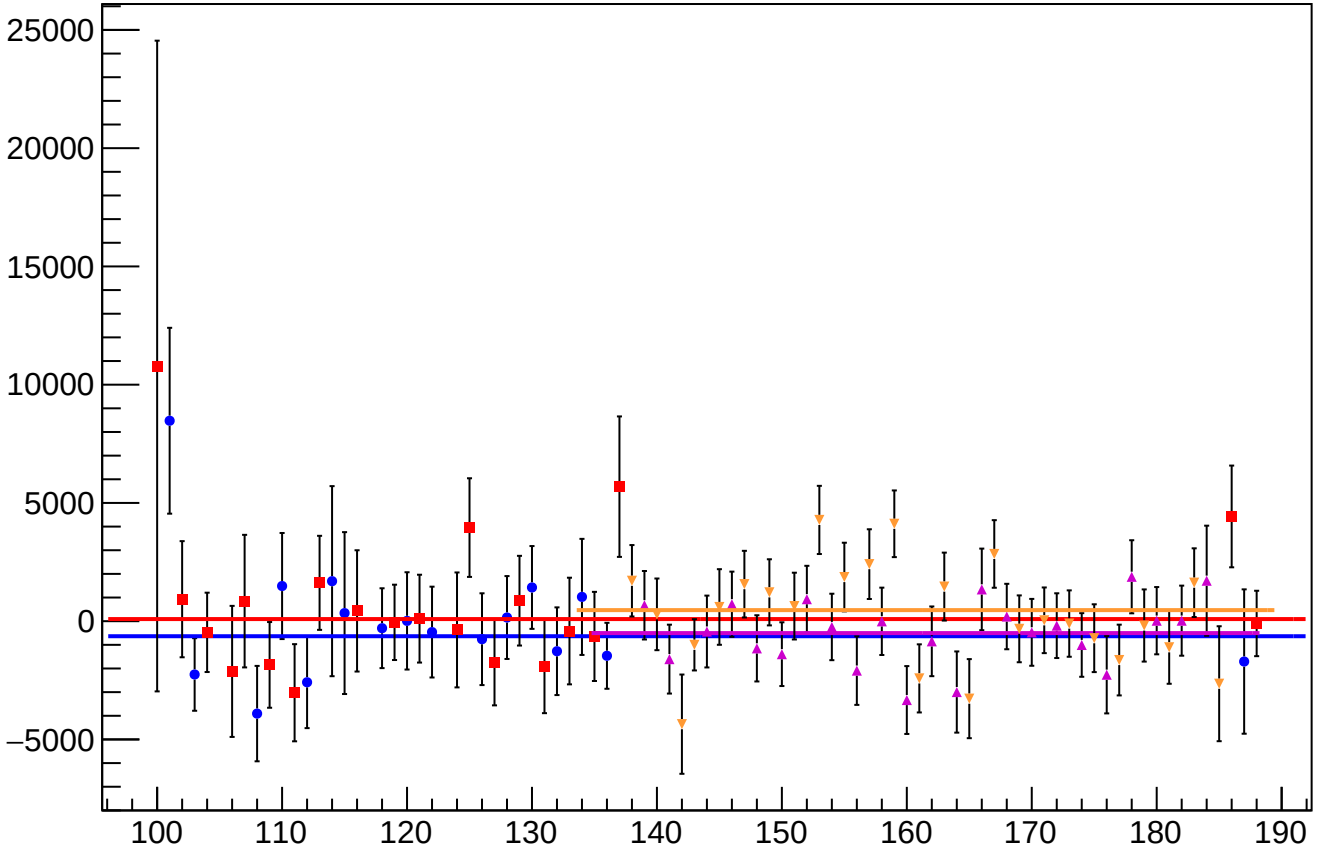
Right: 3373.074+/-0.609 χ^2/NDF: 1491737.7/37

In: 3937.187+/-0.561 χ^2/NDF:1963693.1/39

Out: 3524.537+/-0.495 χ^2/NDF:4933573.1/45

All: 3705.053+/-0.371 χ^2/NDF: 7201366.5/85

dit_asym_atl_dd_atr_dd_avg_mean vs Slug, Sign Corrected



Right In: -635.897+/-487.827 χ^2/NDF: 14.2/16

Left Out: 467.929+/-294.257 χ^2/NDF:44.1/24

Right Out: 89.620+/-448.080 χ^2/NDF: 19.1/20

Left In: -503.558+/-307.055 χ^2/NDF:17.4/22

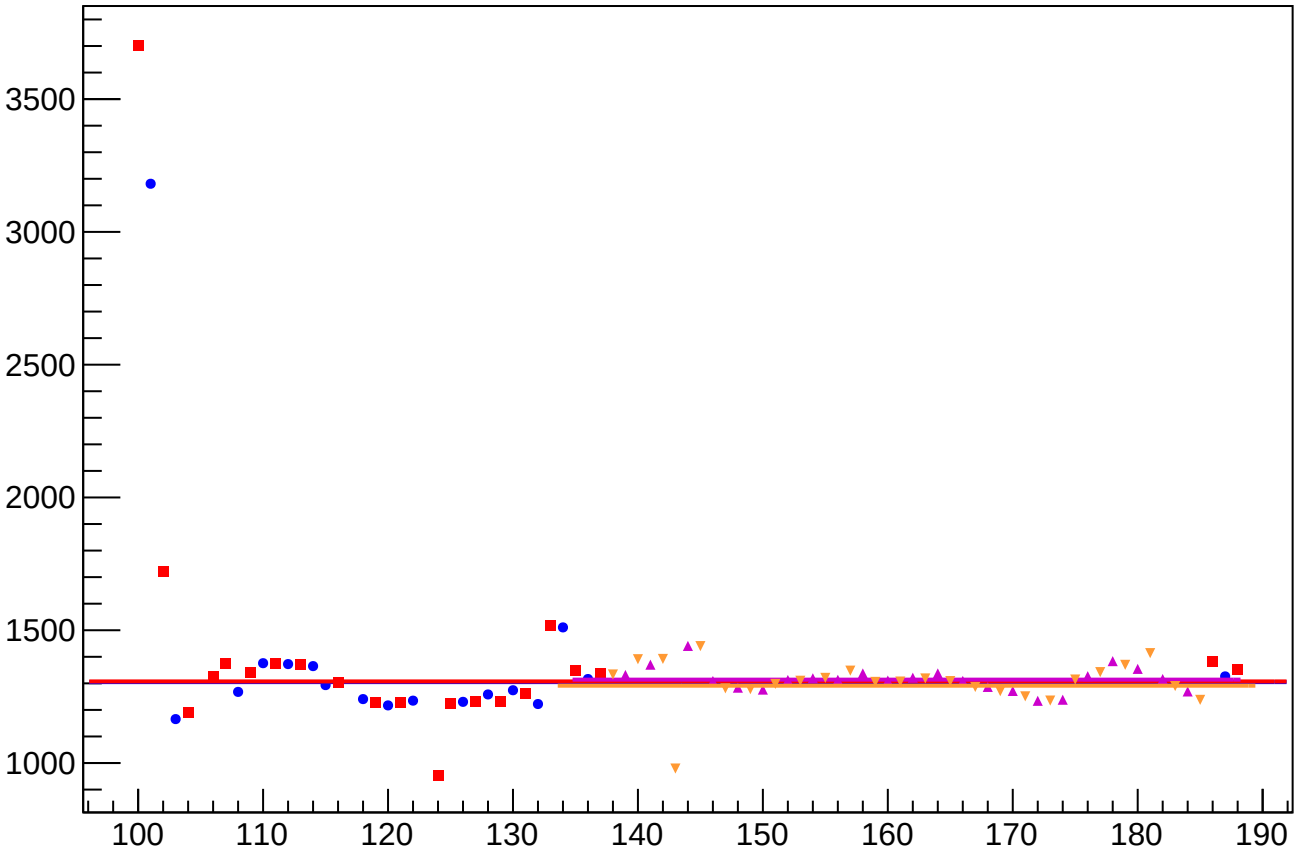
Left: 2.853+/-212.452 χ^2/NDF: 66.7/47

Right: -242.382+/-329.999 χ^2/NDF: 34.6/37

In: -541.111+/-259.863 χ^2/NDF:31.7/39

Out: 353.938+/-245.961 χ^2/NDF:63.7/45

All: -69.006+/-178.633 χ^2/NDF: 101.7/85



Right In: 1304.668+/-0.345 χ^2/NDF: 510692.0/16

Left Out: 1291.211+/-0.208 χ^2/NDF:230735.1/24

Right Out: 1307.323+/-0.317 χ^2/NDF: 218583.3/20

Left In: 1314.006+/-0.217 χ^2/NDF:43044.7/22

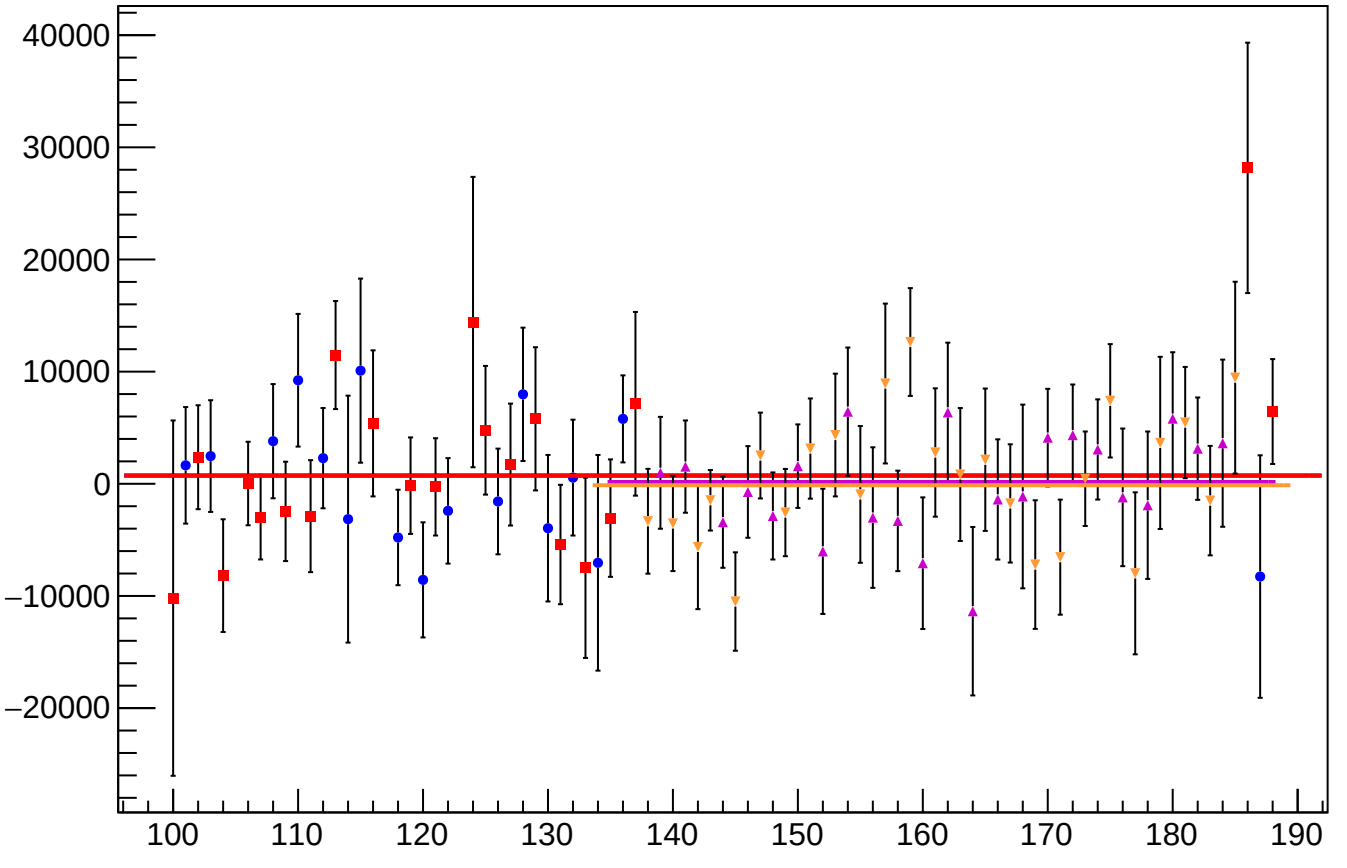
Left: 1302.123+/-0.150 χ^2/NDF: 279525.5/47

Right: 1306.109+/-0.233 χ^2/NDF: 729307.5/37

In: 1311.356+/-0.184 χ^2/NDF:554261.6/39

Out: 1296.070+/-0.174 χ^2/NDF:451127.0/45

All: 1303.292+/-0.126 χ^2/NDF: 1009039.5/85



Right In: 748.094+/-1317.505 χ^2/NDF: 14.8/16

Left Out: -127.273+/-977.231 χ^2/NDF:28.6/24

Right Out: 715.172+/-1156.094 χ^2/NDF: 24.7/20

Left In: 159.452+/-1045.510 χ^2/NDF:13.8/22

Left: 6.422+/-713.925 χ^2/NDF: 42.4/47

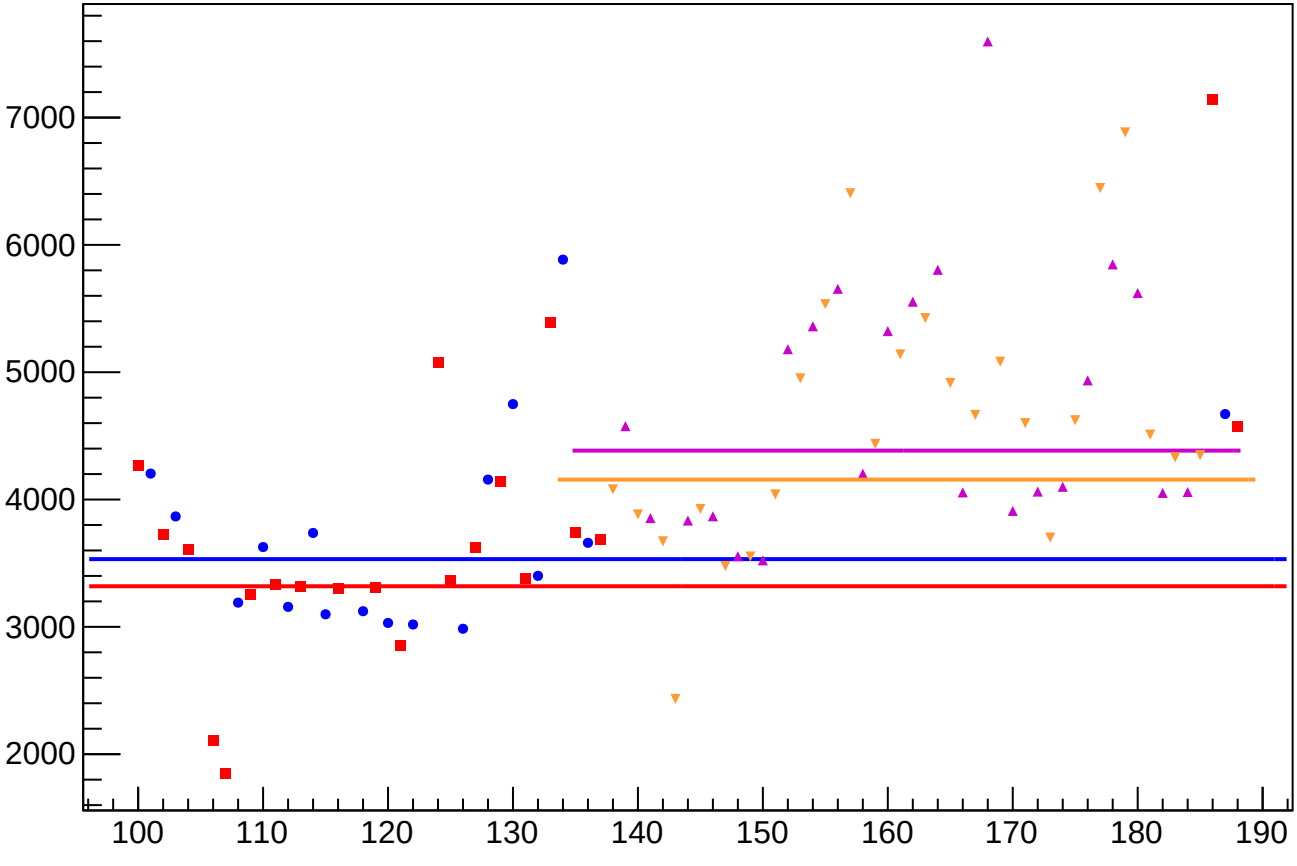
Right: 729.494+/-868.977 χ^2/NDF: 39.5/37

In: 386.904+/-818.975 χ^2/NDF:28.7/39

Out: 223.810+/-746.324 χ^2/NDF:53.6/45

All: 297.803+/-551.631 χ^2/NDF: 82.3/85

asym_atl_dd_atr_dd_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 3531.921+/-0.932 χ^2/NDF: 397625.9/16

Left Out: 4156.582+/-0.691 χ^2/NDF:2080766.1/24

Right Out: 3318.797+/-0.817 χ^2/NDF: 1172344.7/20

Left In: 4384.323+/-0.739 χ^2/NDF:1255470.8/22

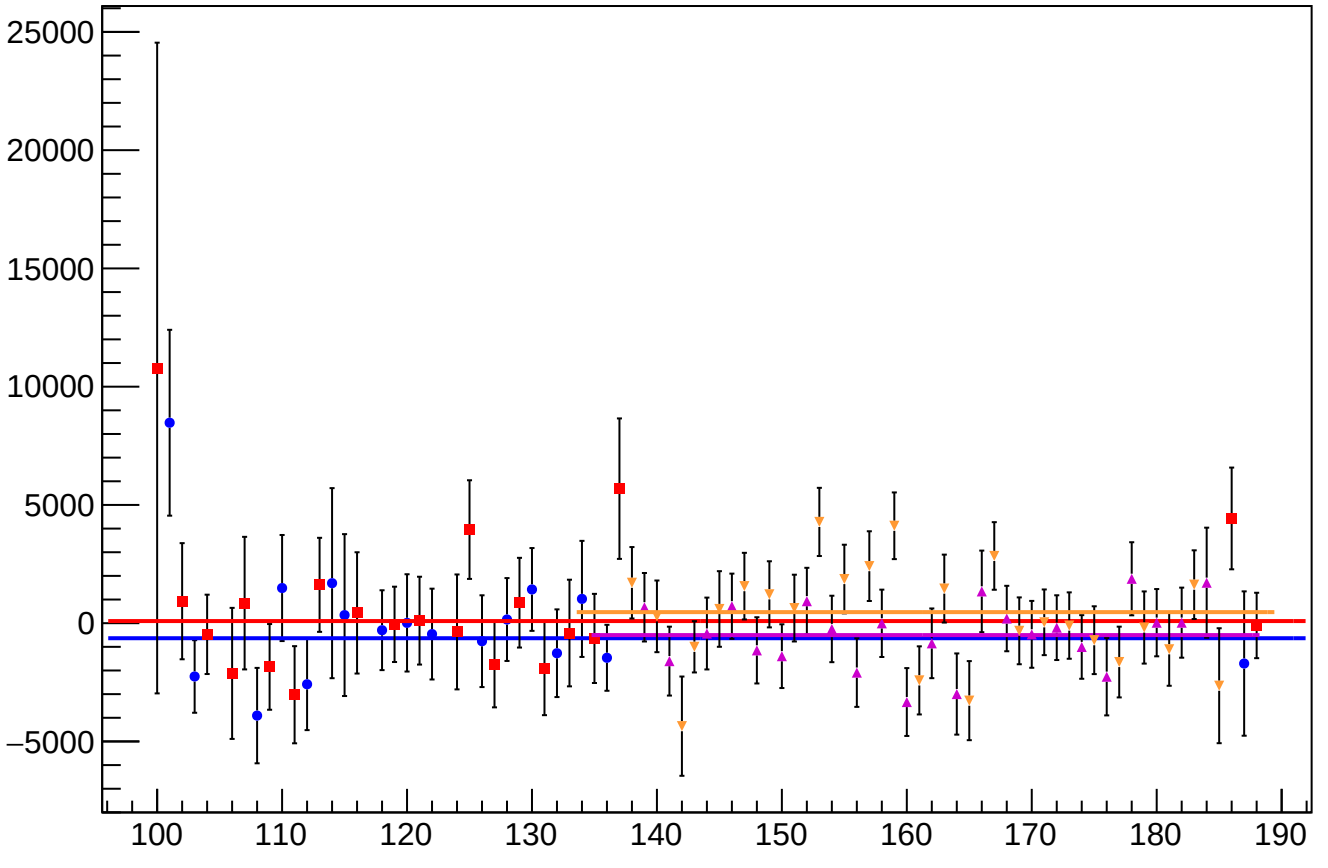
Left: 4262.773+/-0.505 χ^2/NDF: 3386885.6/47

Right: 3411.511+/-0.614 χ^2/NDF: 1599538.5/37

In: 4054.955+/-0.579 χ^2/NDF:2166784.2/39

Out: 3807.441+/-0.528 χ^2/NDF:3865698.8/45

All: 3919.735+/-0.390 χ^2/NDF: 6132282.9/85



Right In: -635.901+/-487.827 χ^2/NDF: 14.2/16

Left Out: 467.933+/-294.257 χ^2/NDF:44.1/24

Right Out: 89.613+/-448.080 χ^2/NDF: 19.1/20

Left In: -503.558+/-307.056 χ^2/NDF:17.4/22

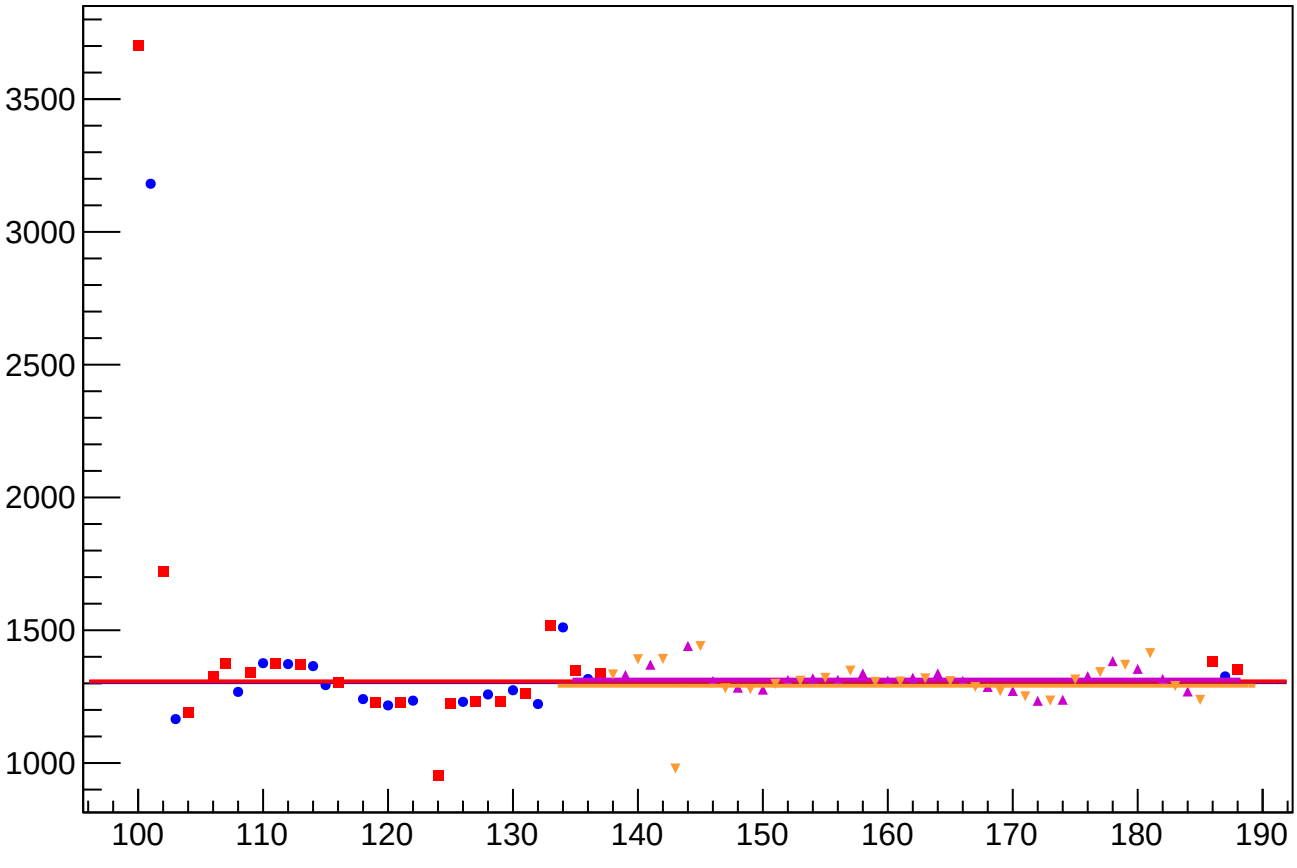
Left: 2.855+/-212.452 χ^2/NDF: 66.7/47

Right: -242.388+/-329.999 χ^2/NDF: 34.6/37

In: -541.113+/-259.863 χ^2/NDF:31.7/39

Out: 353.939+/-245.962 χ^2/NDF:63.7/45

All: -69.007+/-178.634 χ^2/NDF: 101.7/85



Right In: 1304.668+/-0.345 χ^2/NDF: 510692.2/16

Left Out: 1291.212+/-0.208 χ^2/NDF:230737.6/24

Right Out: 1307.323+/-0.317 χ^2/NDF: 218583.4/20

Left In: 1314.007+/-0.217 χ^2/NDF:43046.8/22

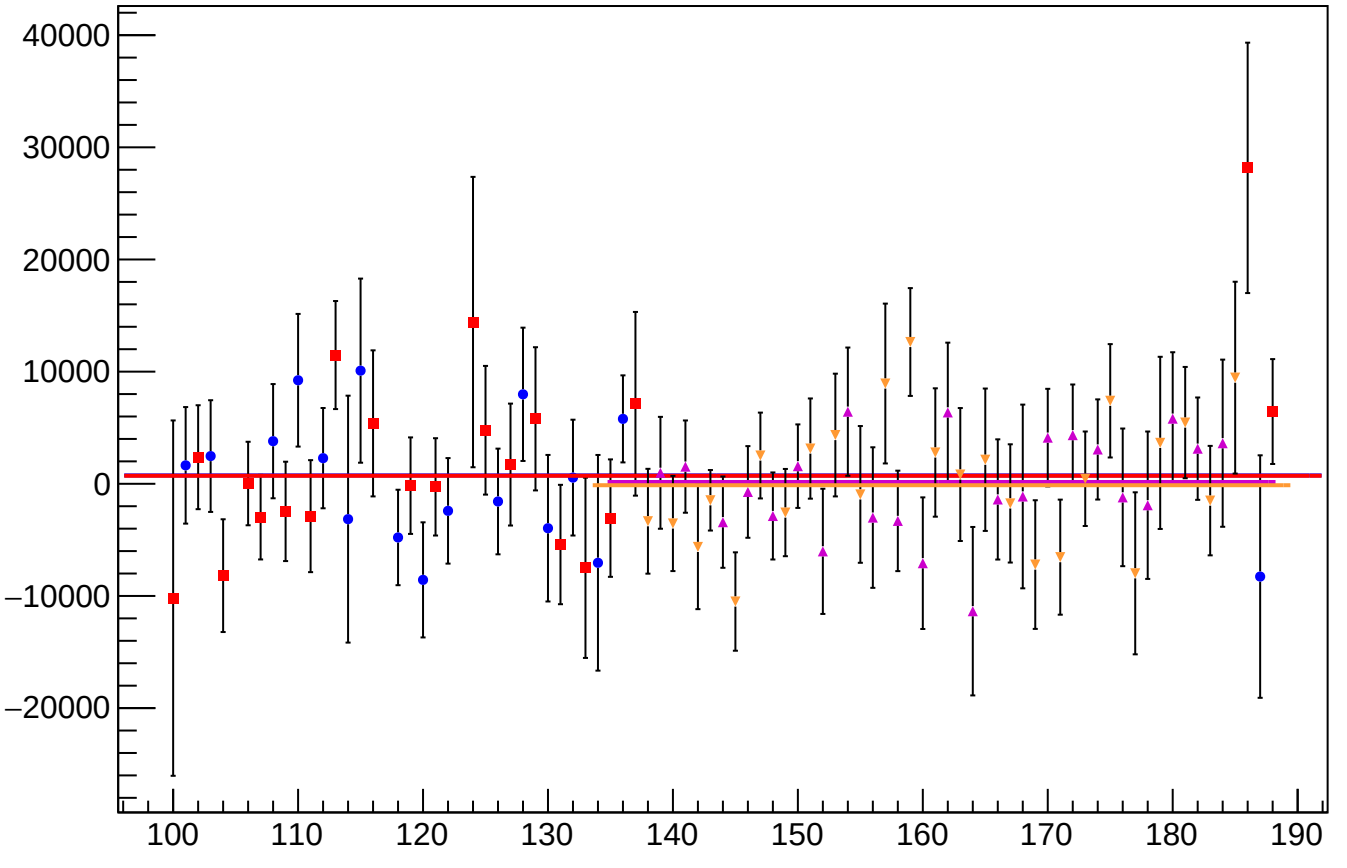
Left: 1302.125+/-0.150 χ^2/NDF: 279530.2/47

Right: 1306.109+/-0.233 χ^2/NDF: 729307.7/37

In: 1311.357+/-0.184 χ^2/NDF:554264.0/39

Out: 1296.071+/-0.174 χ^2/NDF:451129.2/45

All: 1303.293+/-0.126 χ^2/NDF: 1009044.2/85



Right In: 748.085+/-1317.502 χ^2/NDF: 14.8/16

Left Out: -127.271+/-977.232 χ^2/NDF:28.6/24

Right Out: 715.165+/-1156.092 χ^2/NDF: 24.7/20

Left In: 159.454+/-1045.511 χ^2/NDF:13.8/22

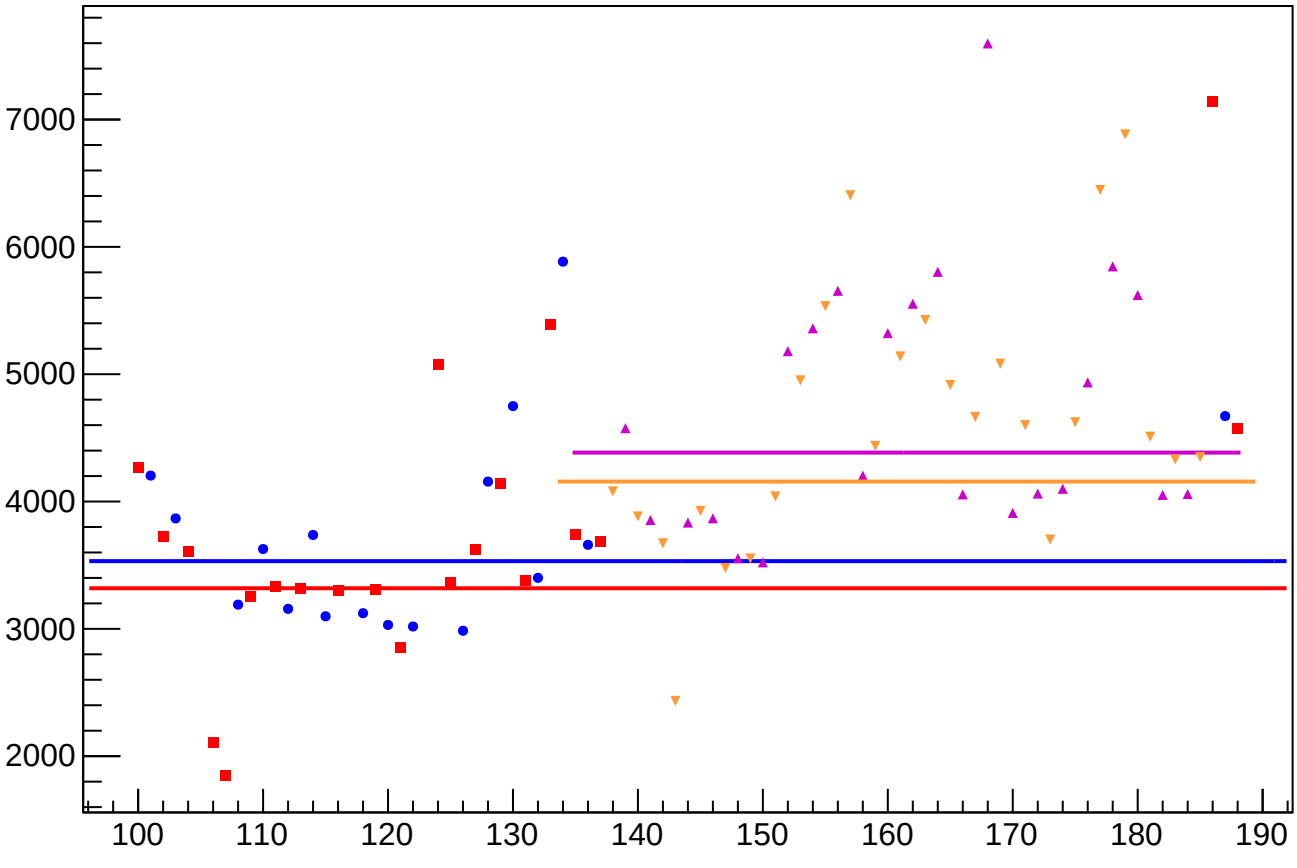
Left: 6.424+/-713.926 χ^2/NDF: 42.4/47

Right: 729.486+/-868.975 χ^2/NDF: 39.5/37

In: 386.902+/-818.975 χ^2/NDF:28.7/39

Out: 223.810+/-746.324 χ^2/NDF:53.6/45

All: 297.802+/-551.631 χ^2/NDF: 82.3/85



Right In: 3531.912+/-0.932 χ^2/NDF: 397630.7/16

Left Out: 4156.588+/-0.691 χ^2/NDF:2080769.0/24

Right Out: 3318.790+/-0.817 χ^2/NDF: 1172350.5/20

Left In: 4384.329+/-0.739 χ^2/NDF:1255475.0/22

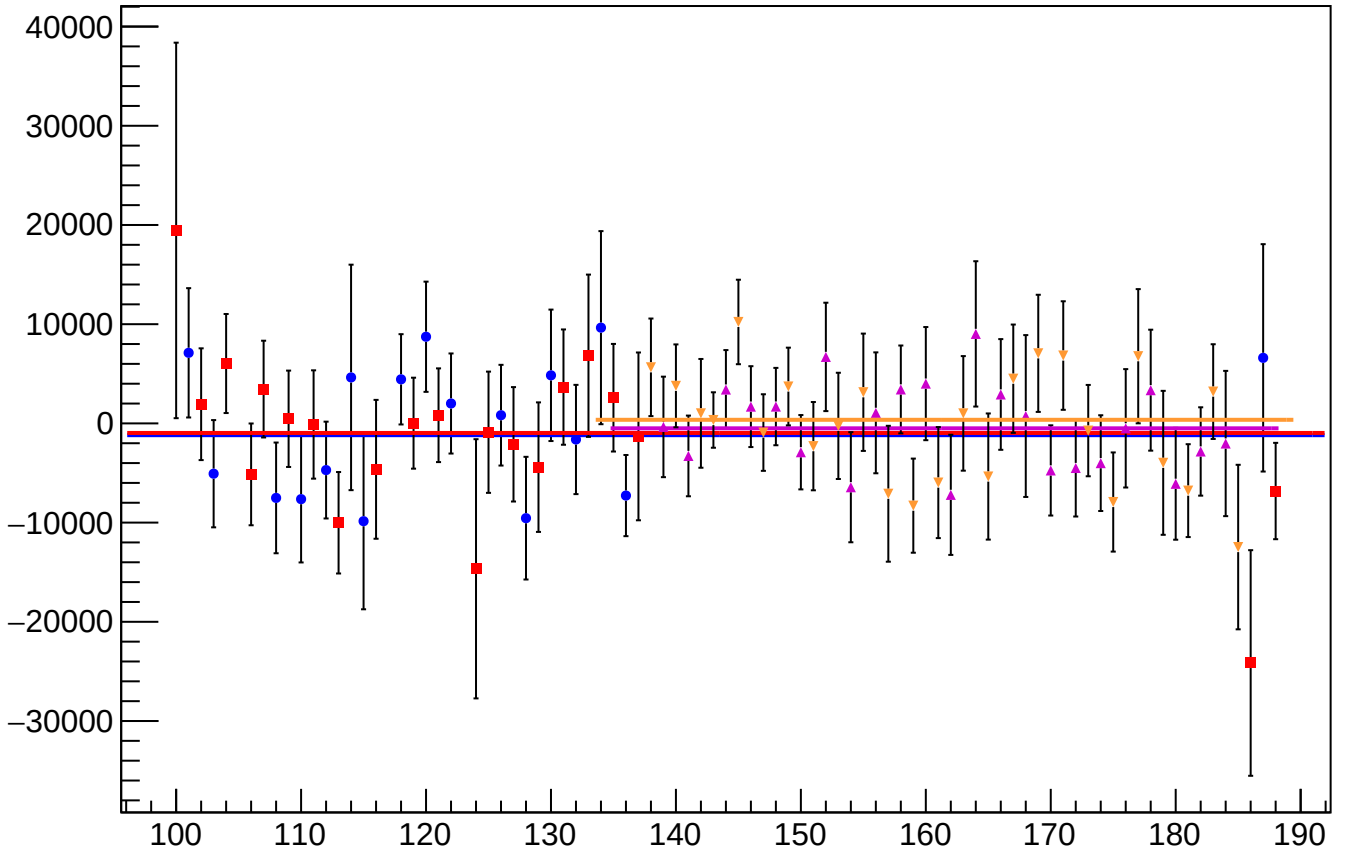
Left: 4262.780+/-0.505 χ^2/NDF: 3386892.6/47

Right: 3411.503+/-0.614 χ^2/NDF: 1599548.9/37

In: 4054.954+/-0.579 χ^2/NDF:2166813.0/39

Out: 3807.440+/-0.528 χ^2/NDF:3865728.8/45

All: 3919.734+/-0.390 χ^2/NDF: 6132341.6/85



Right In: -1187.710+/-1420.581 χ^2/NDF: 18.0/16

Left Out: 362.528+/-979.860 χ^2/NDF:27.7/24

Right Out: -964.766+/-1280.004 χ^2/NDF: 17.6/20

Left In: -497.522+/-1044.707 χ^2/NDF:13.9/22

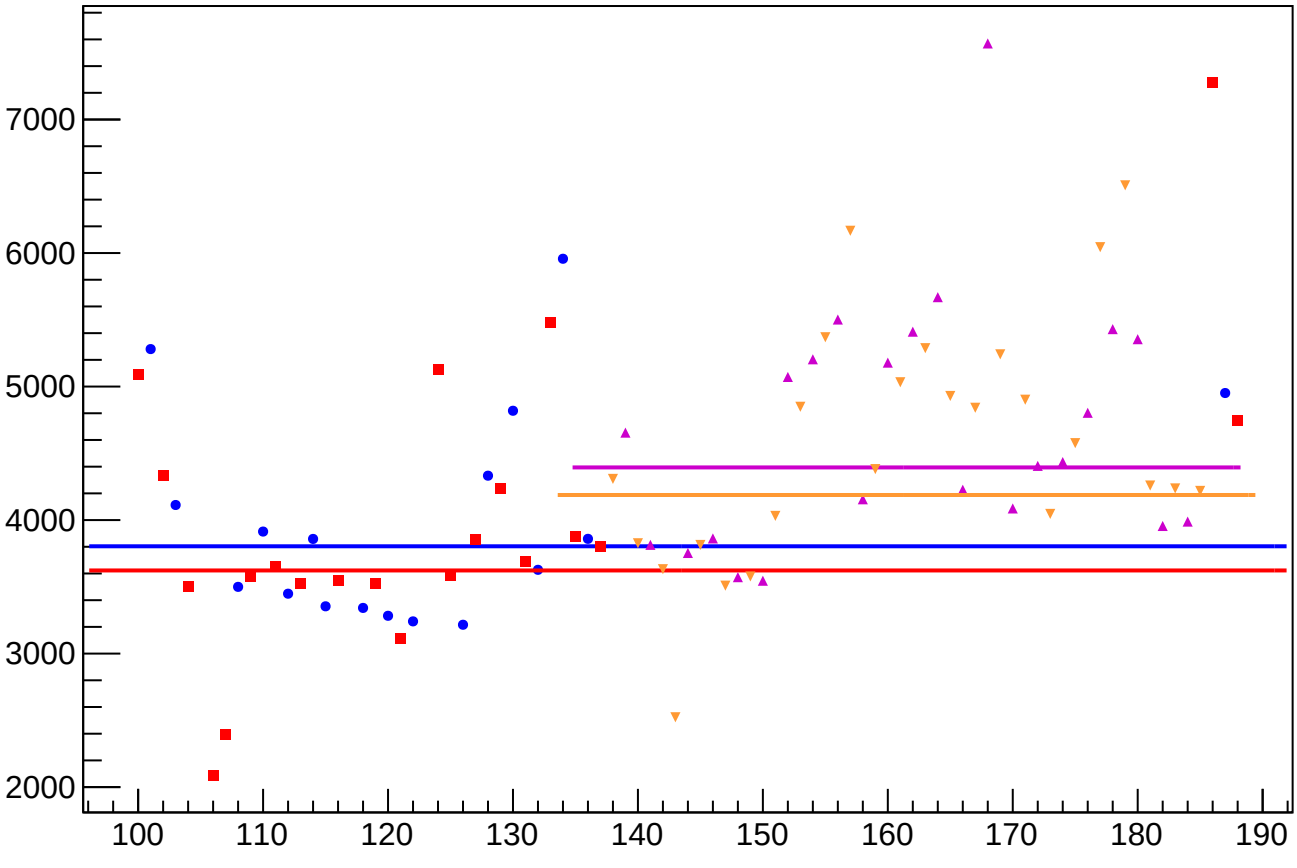
Left: -39.978+/-714.692 χ^2/NDF: 41.9/47

Right: -1064.664+/-950.926 χ^2/NDF: 35.6/37

In: -739.776+/-841.623 χ^2/NDF:32.1/39

Out: -127.890+/-778.056 χ^2/NDF:45.9/45

All: -409.856+/-571.321 χ^2/NDF: 78.3/85



Right In: 3803.689+/-1.004 χ^2/NDF: 403375.2/16

Left Out: 4187.848+/-0.693 χ^2/NDF:1796345.9/24

Right Out: 3622.693+/-0.894 χ^2/NDF: 921143.5/20

Left In: 4394.324+/-0.739 χ^2/NDF:1088394.9/22

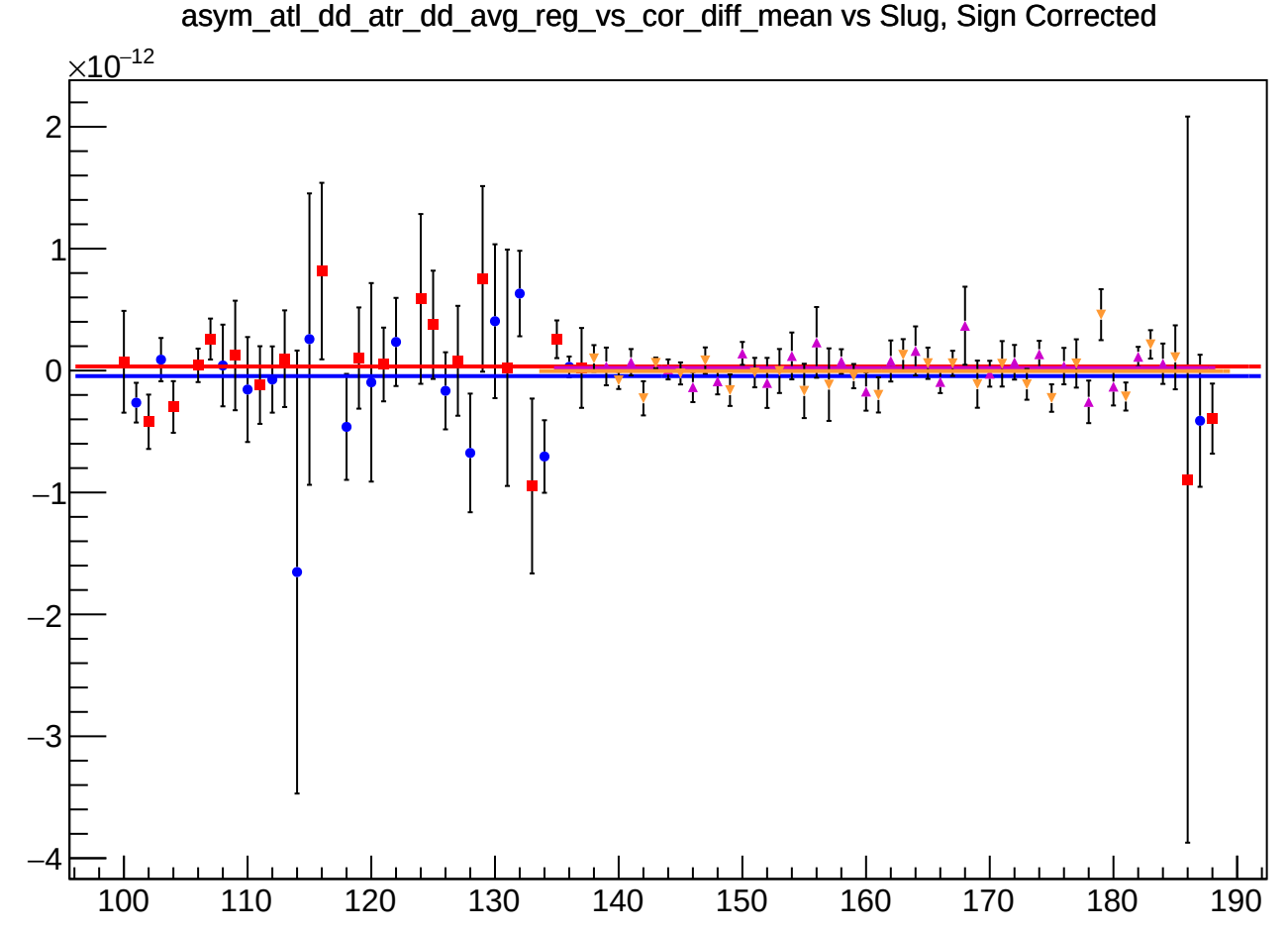
Left: 4284.479+/-0.505 χ^2/NDF: 2926302.1/47

Right: 3702.668+/-0.668 χ^2/NDF: 1342639.9/37

In: 4187.011+/-0.595 χ^2/NDF:1716151.8/39

Out: 3975.698+/-0.548 χ^2/NDF:2967242.7/45

All: 4072.581+/-0.403 χ^2/NDF: 4751669.3/85



Right In: -0.000+/-0.000 χ^2/NDF: 17.1/16

Left Out: -0.000+/-0.000 χ^2/NDF:30.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 18.3/20

Left In: 0.000+/-0.000 χ^2/NDF:17.0/22

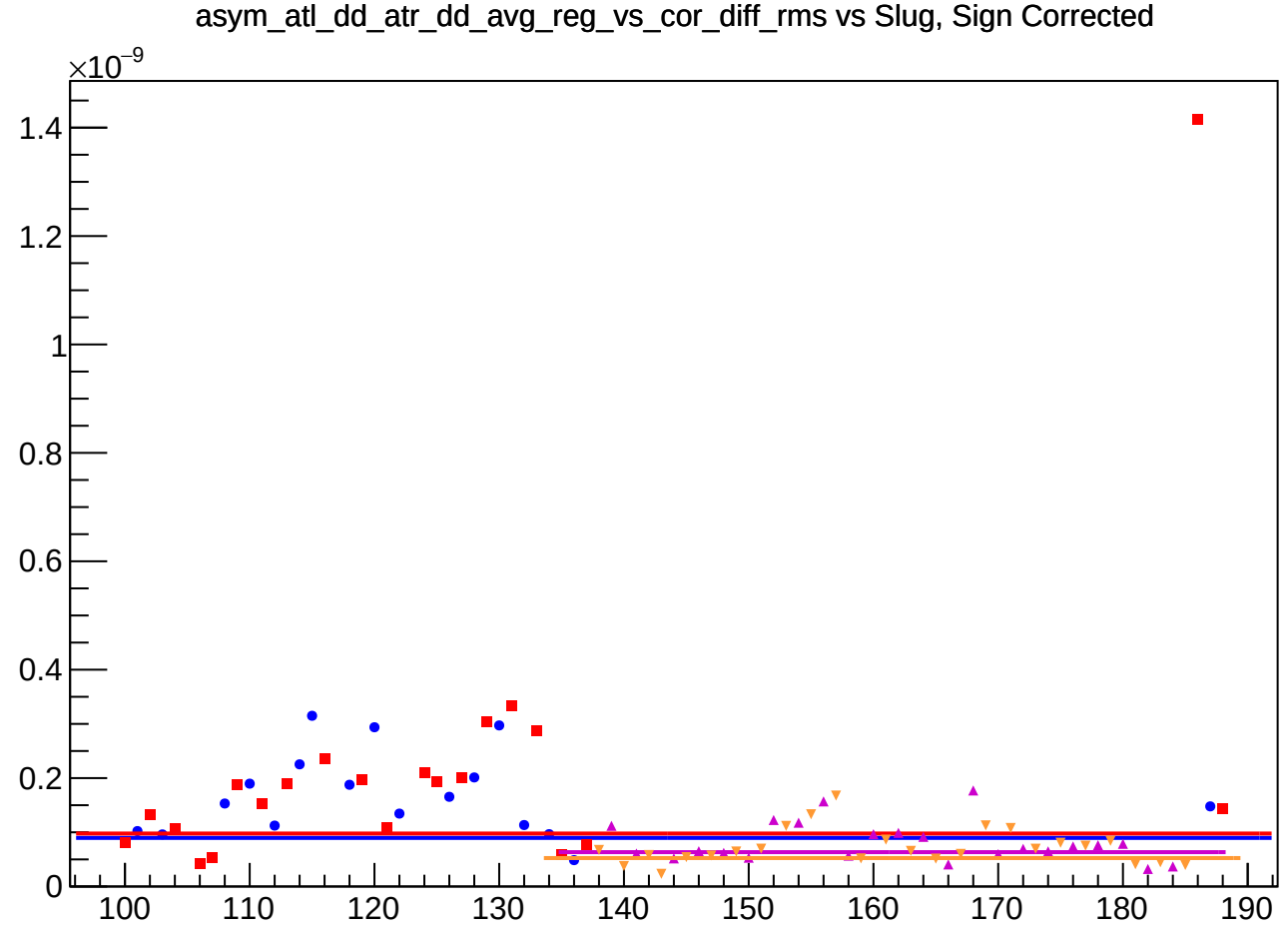
Left: 0.000+/-0.000 χ^2/NDF: 48.0/47

Right: -0.000+/-0.000 χ^2/NDF: 36.3/37

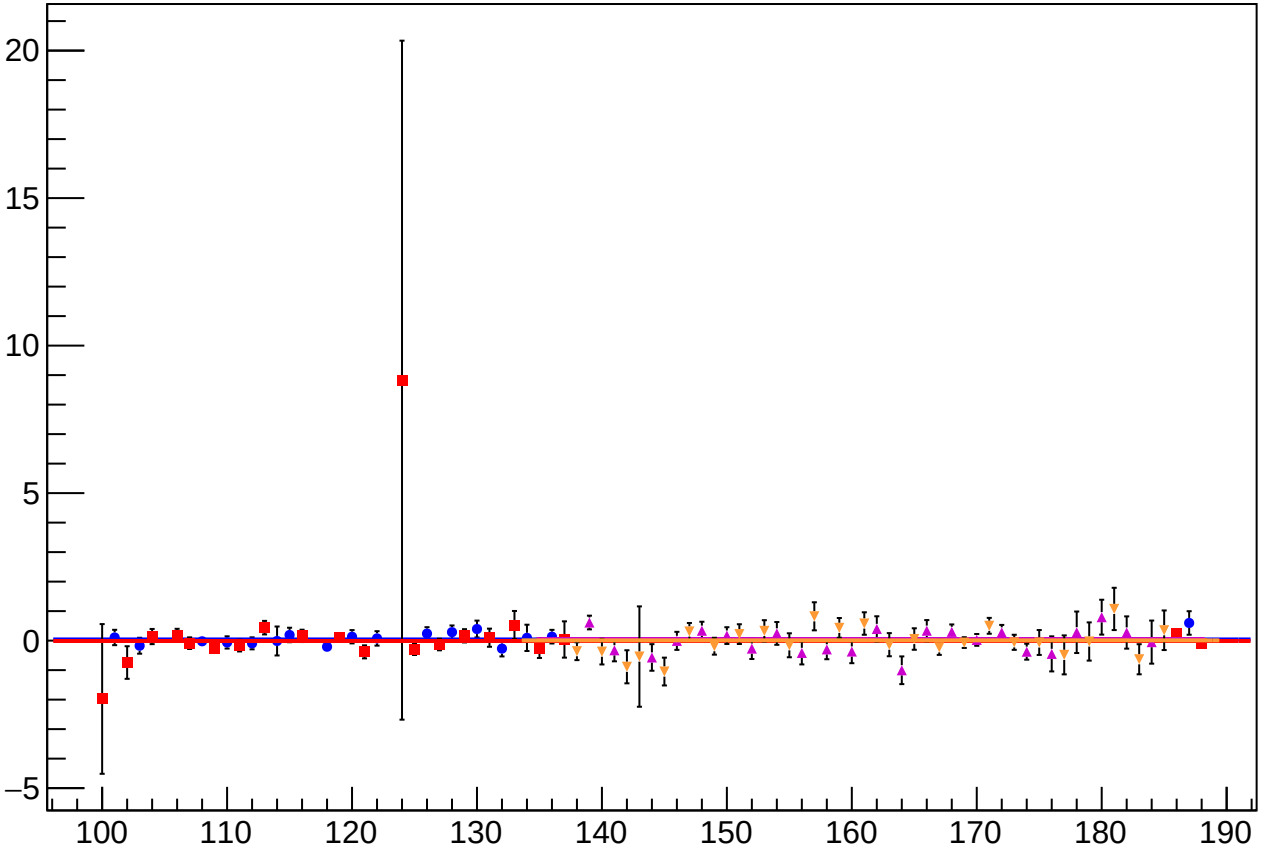
In: 0.000+/-0.000 χ^2/NDF:35.2/39

Out: 0.000+/-0.000 χ^2/NDF:49.1/45

All: 0.000+/-0.000 χ^2/NDF: 84.3/85


asym_atl_dd_atr_dd_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
1.4
1.2
1
0.8
0.6
0.4
0.2
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 1484054.5/16
Left Out: 0.000+/-0.000 χ²/NDF:2628519.8/24
Right Out: 0.000+/-0.000 χ²/NDF: 2182752.7/20
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: 3684494.2/37
In: 0.000+/-0.000 χ²/NDF:3607391.7/39
Out: 0.000+/-0.000 χ²/NDF:5743467.6/45
All: 0.000+/-0.000 χ²/NDF: 9555638.4/85

asym_atl_dd_atr_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.040+/-0.057 χ^2/NDF: 11.5/16

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.013+/-0.045 χ^2/NDF: 24.7/20

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

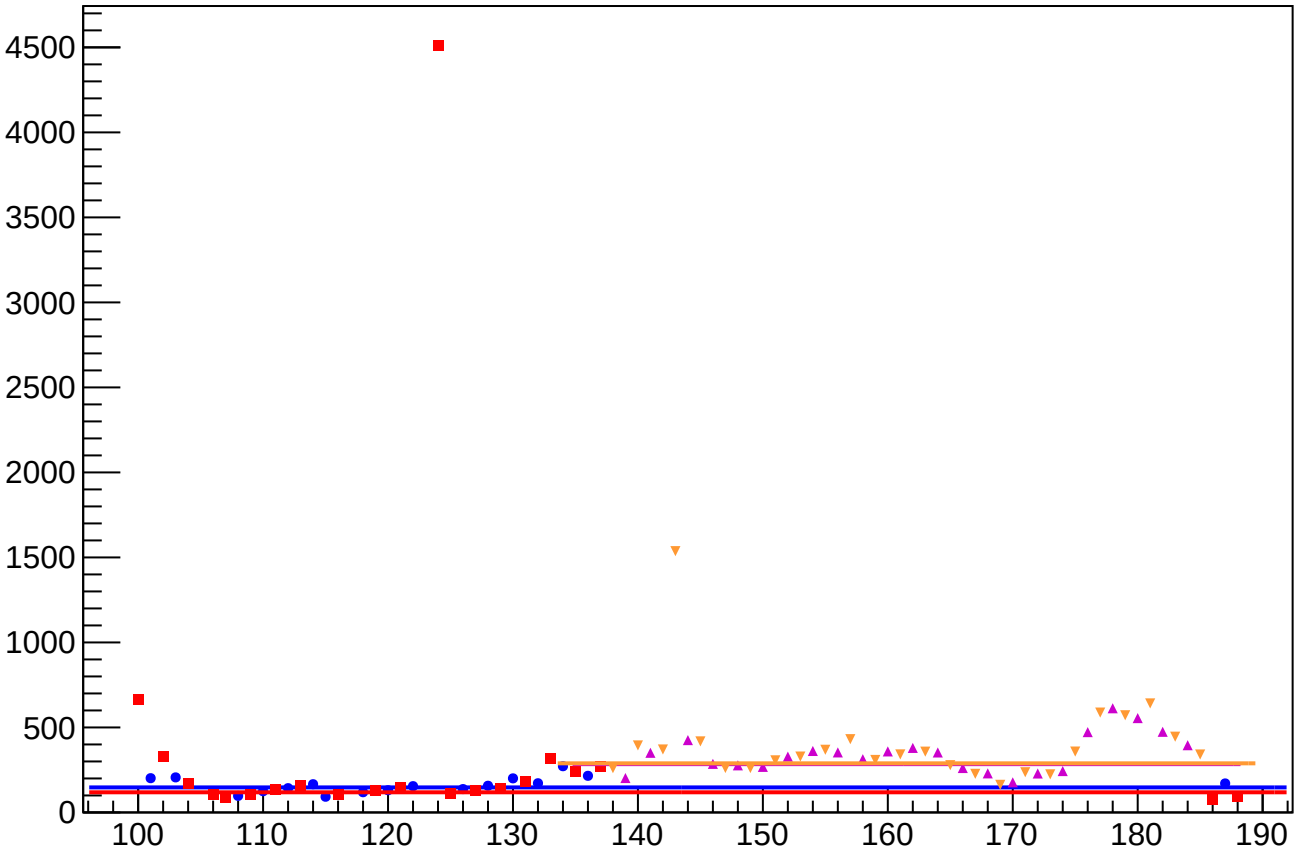
Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

Right: 0.007+/-0.035 χ^2/NDF: 36.7/37

In: 0.045+/-0.044 χ^2/NDF:39.2/39

Out: -0.007+/-0.038 χ^2/NDF:53.7/45

All: 0.015+/-0.029 χ^2/NDF: 93.7/85



Right In: 147.318+/-0.040 χ^2/NDF: 1005702.3/16

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

Right Out: 118.570+/-0.032 χ^2/NDF: 2147690.3/20

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

Left: 286.524+/-0.035 χ^2/NDF: 7730236.9/47

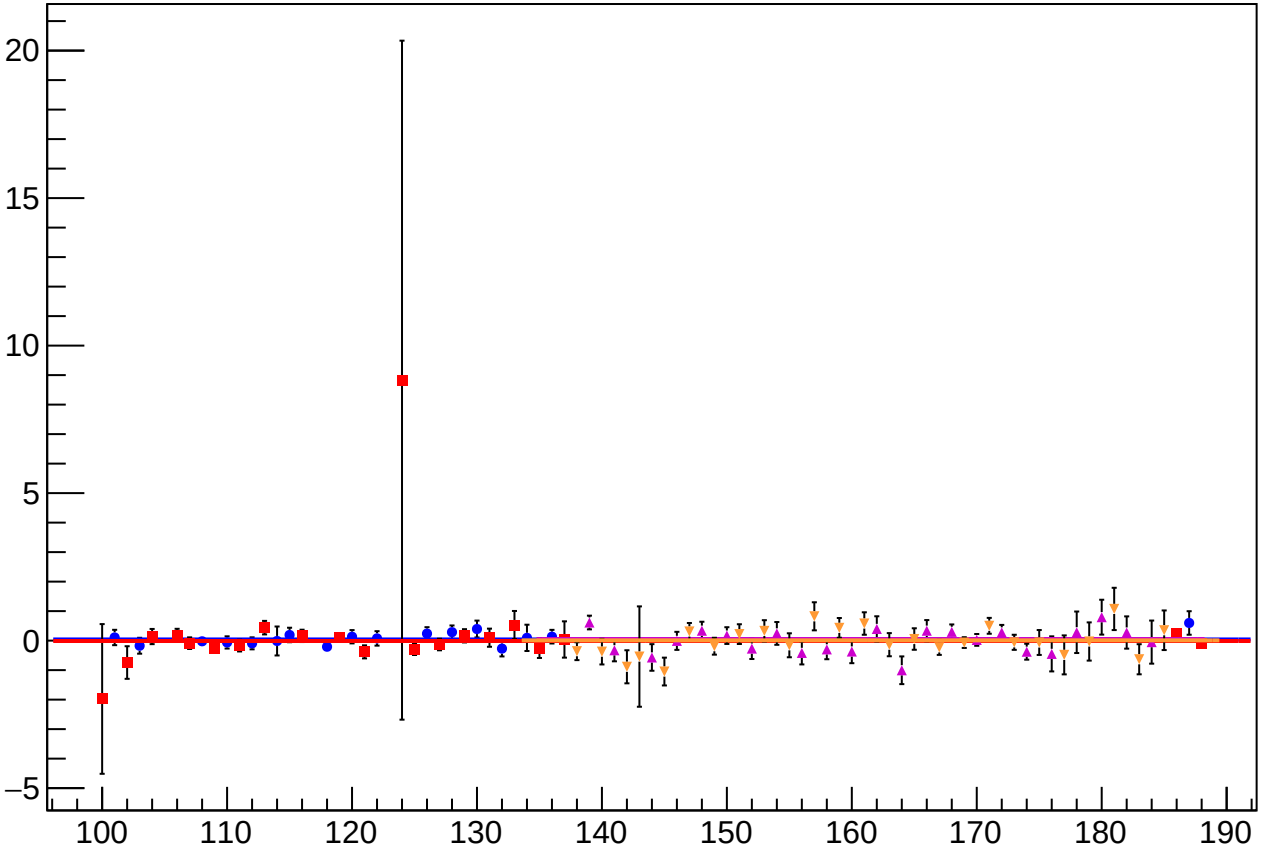
Right: 129.534+/-0.025 χ^2/NDF: 3466940.8/37

In: 201.625+/-0.031 χ^2/NDF:8640977.5/39

Out: 167.120+/-0.027 χ^2/NDF:15023755.9/45

All: 181.689+/-0.020 χ^2/NDF: 24364154.3/85

asym_atl_dd_atr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.040+/-0.057 χ^2/NDF: 11.5/16

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.013+/-0.045 χ^2/NDF: 24.7/20

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

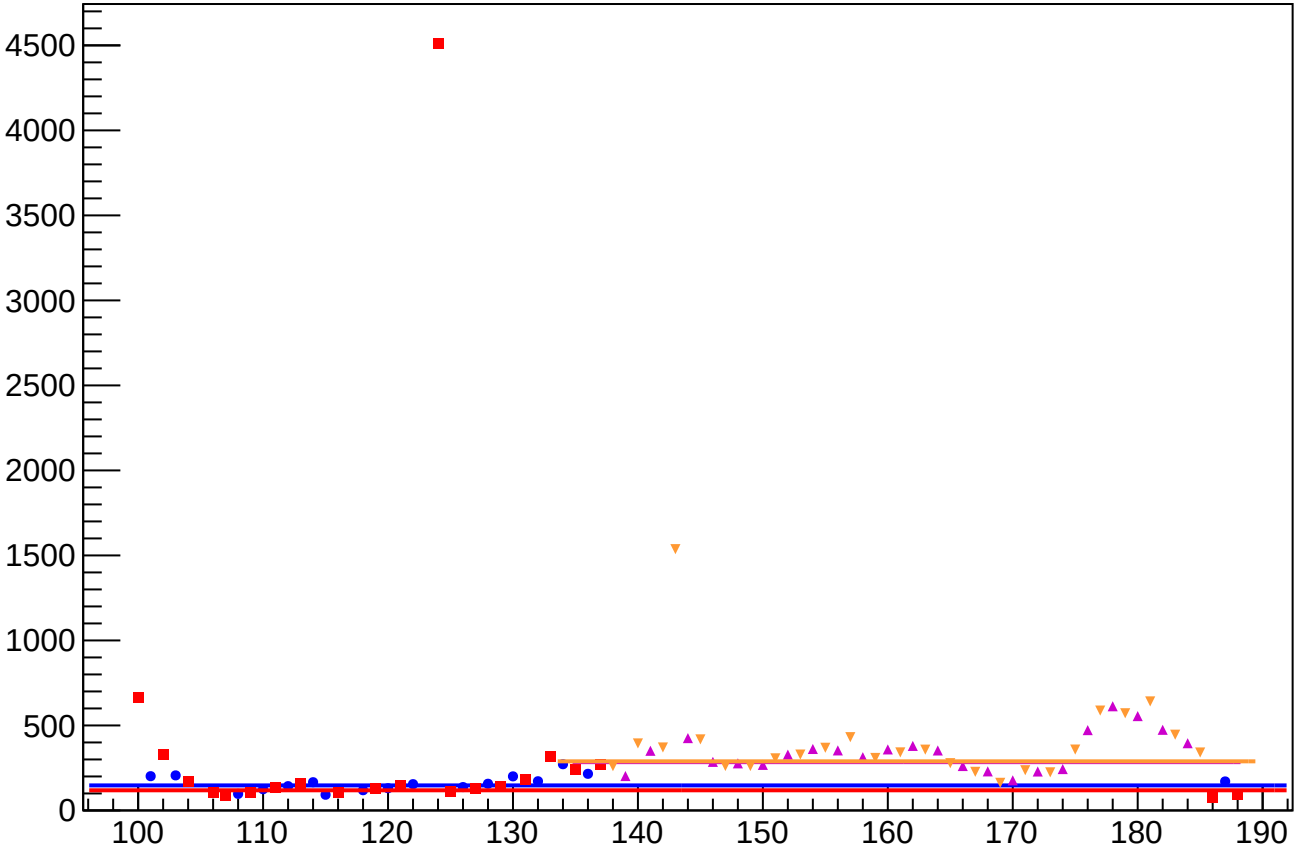
Right: 0.007+/-0.035 χ^2/NDF: 36.7/37

In: 0.045+/-0.044 χ^2/NDF:39.2/39

Out: -0.007+/-0.038 χ^2/NDF:53.7/45

All: 0.015+/-0.029 χ^2/NDF: 93.7/85

asym_atl_dd_atr_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 147.318+/-0.040 χ^2/NDF: 1005702.3/16

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

Right Out: 118.570+/-0.032 χ^2/NDF: 2147690.3/20

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

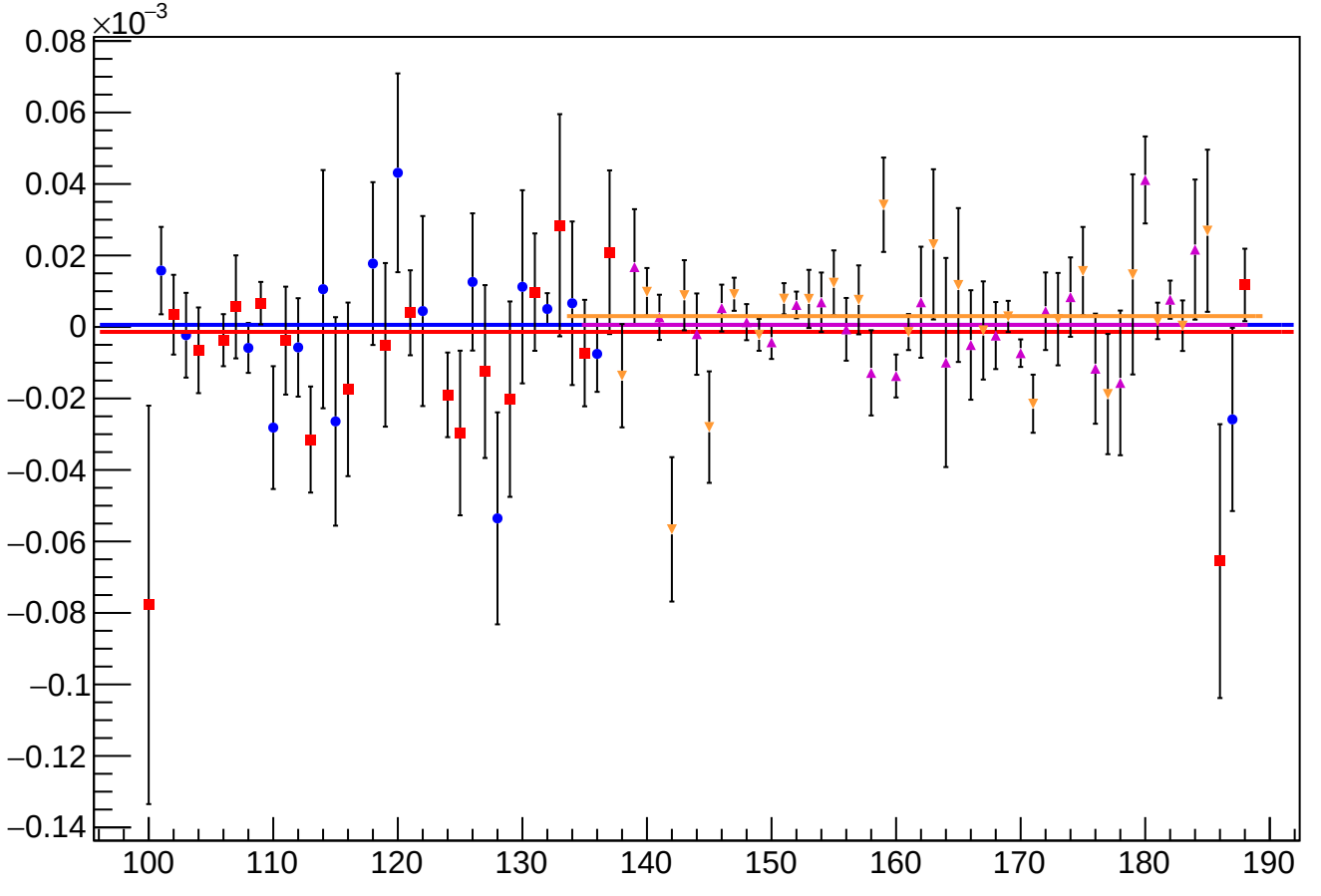
Left: 286.524+/-0.035 χ^2/NDF: 7730236.9/47

Right: 129.534+/-0.025 χ^2/NDF: 3466940.8/37

In: 201.625+/-0.031 χ^2/NDF:8640977.5/39

Out: 167.120+/-0.027 χ^2/NDF:15023755.9/45

All: 181.689+/-0.020 χ^2/NDF: 24364154.3/85



Right In: 0.000+/-0.000 χ^2/NDF: 15.9/16

Left Out: 0.000+/-0.000 χ^2/NDF:42.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 20.6/20

Left In: 0.000+/-0.000 χ^2/NDF:33.2/22

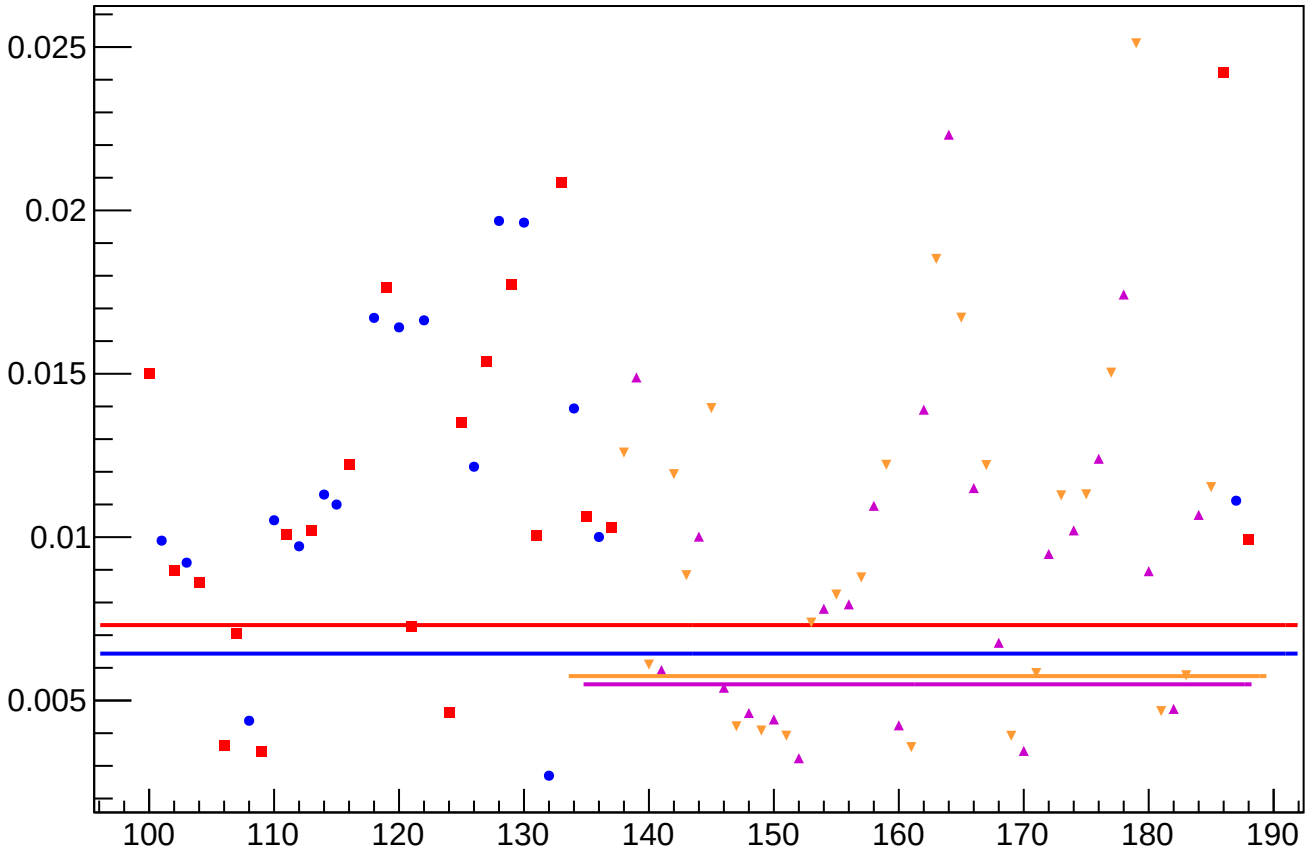
Left: 0.000+/-0.000 χ^2/NDF: 76.7/47

Right: -0.000+/-0.000 χ^2/NDF: 36.8/37

In: 0.000+/-0.000 χ^2/NDF:49.1/39

Out: 0.000+/-0.000 χ^2/NDF:64.6/45

All: 0.000+/-0.000 χ^2/NDF: 114.4/85



Right In: 0.006+/-0.000 χ^2/NDF: 4707327.9/16

Left Out: 0.006+/-0.000 χ^2/NDF:8128513.8/24

Right Out: 0.007+/-0.000 χ^2/NDF: 3959056.4/20

Left In: 0.005+/-0.000 χ^2/NDF:6937299.0/22

Left: 0.006+/-0.000 χ^2/NDF: 15093250.6/47

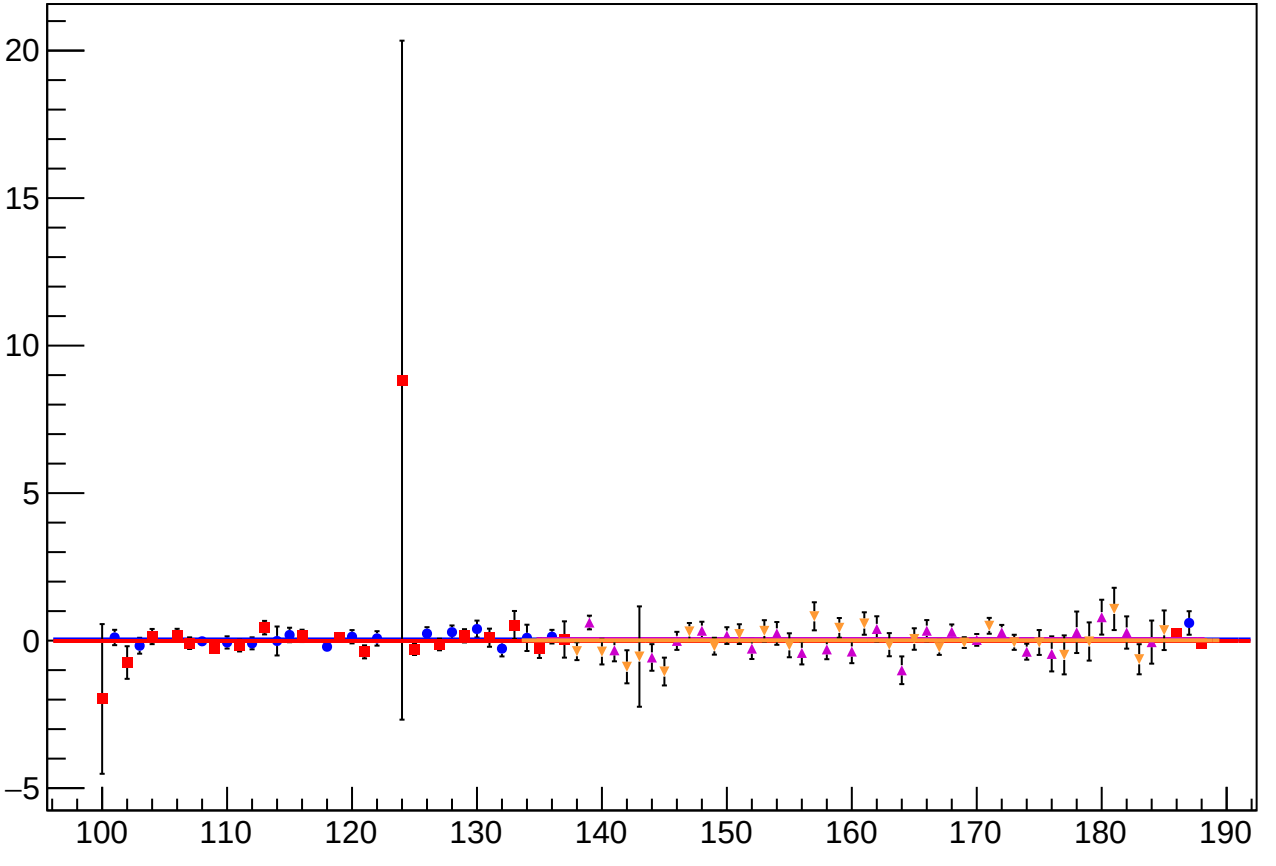
Right: 0.007+/-0.000 χ^2/NDF: 8757385.7/37

In: 0.006+/-0.000 χ^2/NDF:11808826.7/39

Out: 0.006+/-0.000 χ^2/NDF:12546785.7/45

All: 0.006+/-0.000 χ^2/NDF: 24440341.3/85

asym_atl_dd_atr_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.040+/-0.057 χ^2/NDF: 11.5/16

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.013+/-0.045 χ^2/NDF: 24.7/20

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

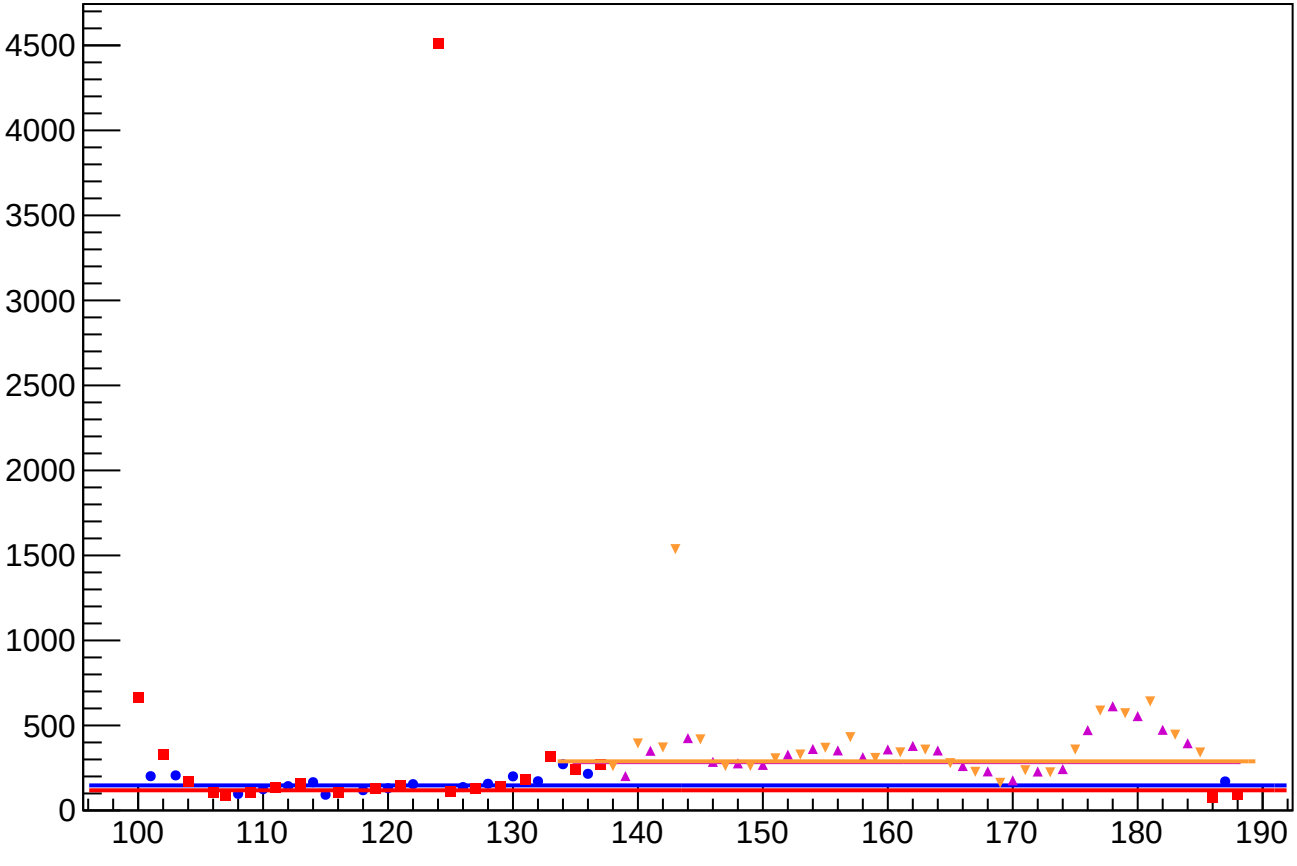
Right: 0.007+/-0.035 χ^2/NDF: 36.7/37

In: 0.045+/-0.044 χ^2/NDF:39.2/39

Out: -0.007+/-0.038 χ^2/NDF:53.7/45

All: 0.015+/-0.029 χ^2/NDF: 93.7/85

asym_atl_dd_atr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 147.318+/-0.040 χ^2/NDF: 1005643.2/16

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

Right Out: 118.572+/-0.032 χ^2/NDF: 2147574.0/20

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

Left: 286.525+/-0.035 χ^2/NDF: 7730531.8/47

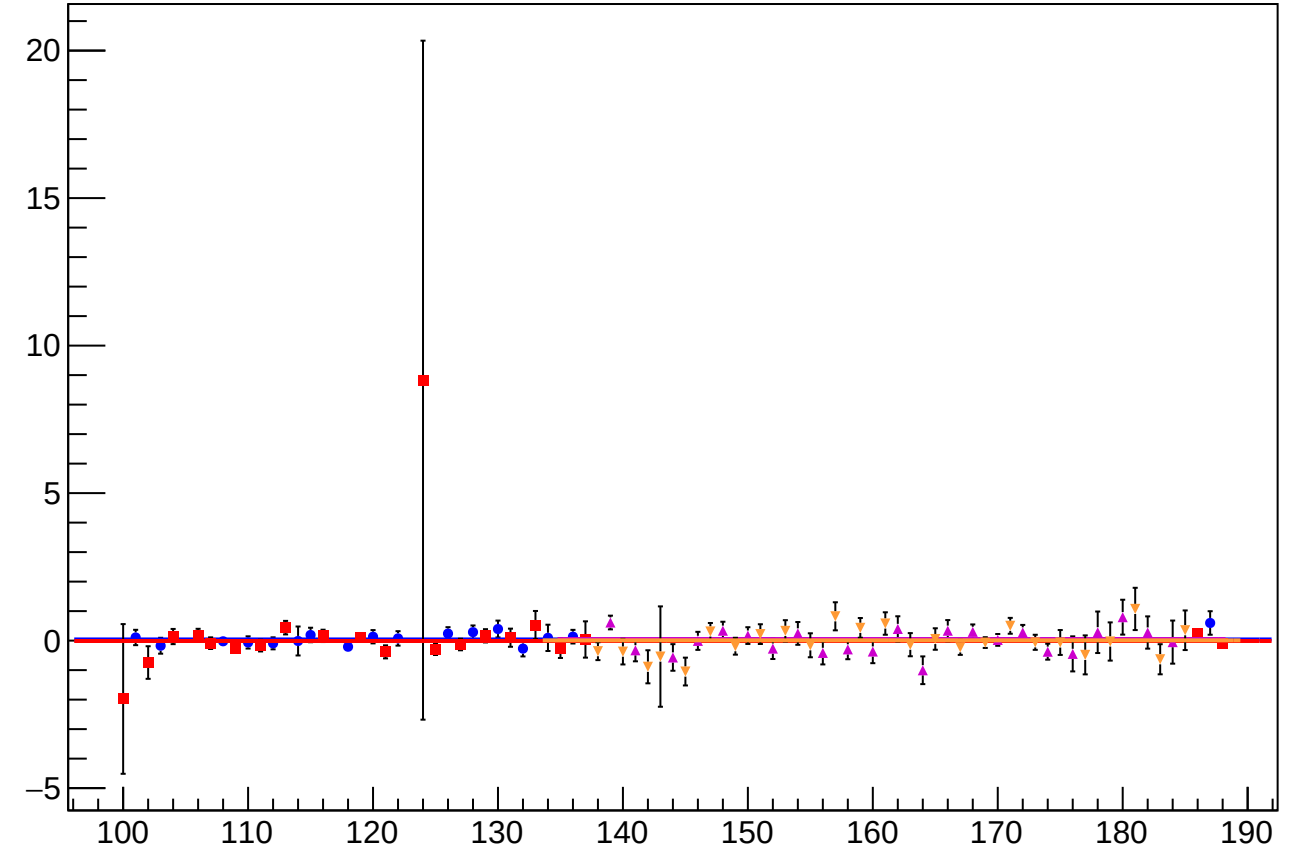
Right: 129.535+/-0.025 χ^2/NDF: 3466719.3/37

In: 201.625+/-0.031 χ^2/NDF:8641101.7/39

Out: 167.122+/-0.027 χ^2/NDF:15023568.0/45

All: 181.690+/-0.020 χ^2/NDF: 24364000.7/85

asym_atl_dd_atr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.040+/-0.057 χ^2/NDF: 11.5/16

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.013+/-0.045 χ^2/NDF: 24.7/20

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

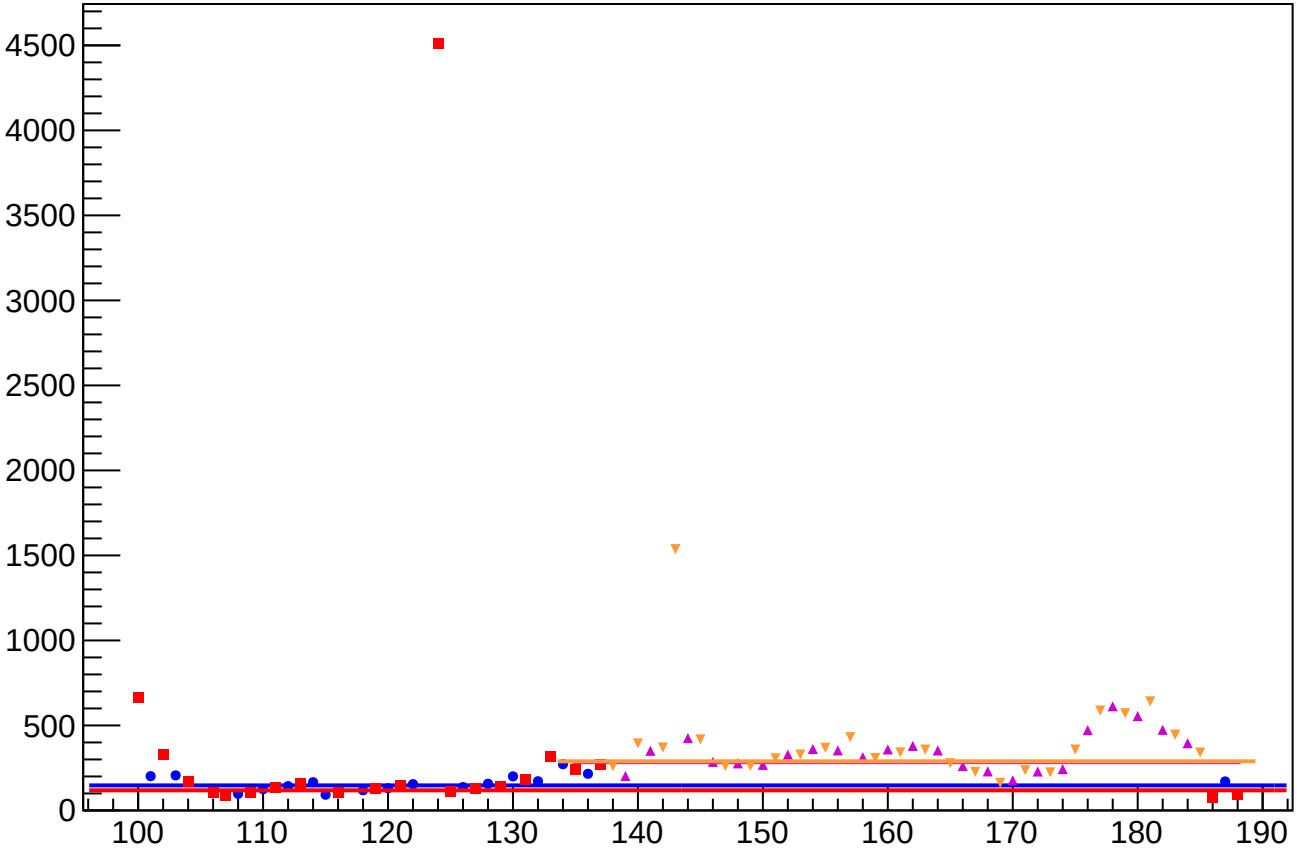
Right: 0.007+/-0.035 χ^2/NDF: 36.7/37

In: 0.045+/-0.044 χ^2/NDF:39.2/39

Out: -0.007+/-0.038 χ^2/NDF:53.7/45

All: 0.015+/-0.029 χ^2/NDF: 93.7/85

asym_atl_dd_atr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 147.318+/-0.040 χ^2/NDF: 1005643.2/16

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

Right Out: 118.572+/-0.032 χ^2/NDF: 2147574.0/20

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

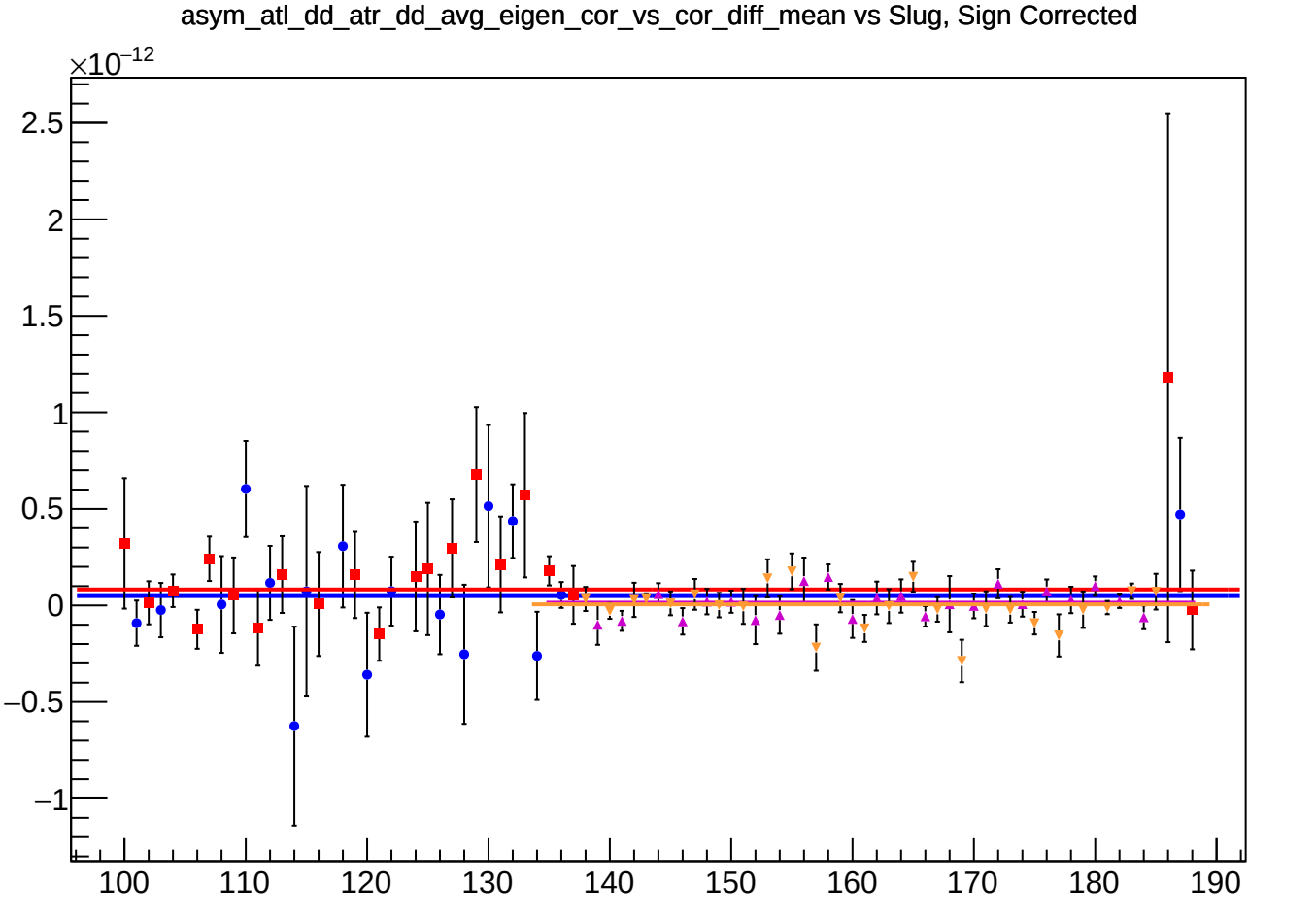
Left: 286.525+/-0.035 χ^2/NDF: 7730531.8/47

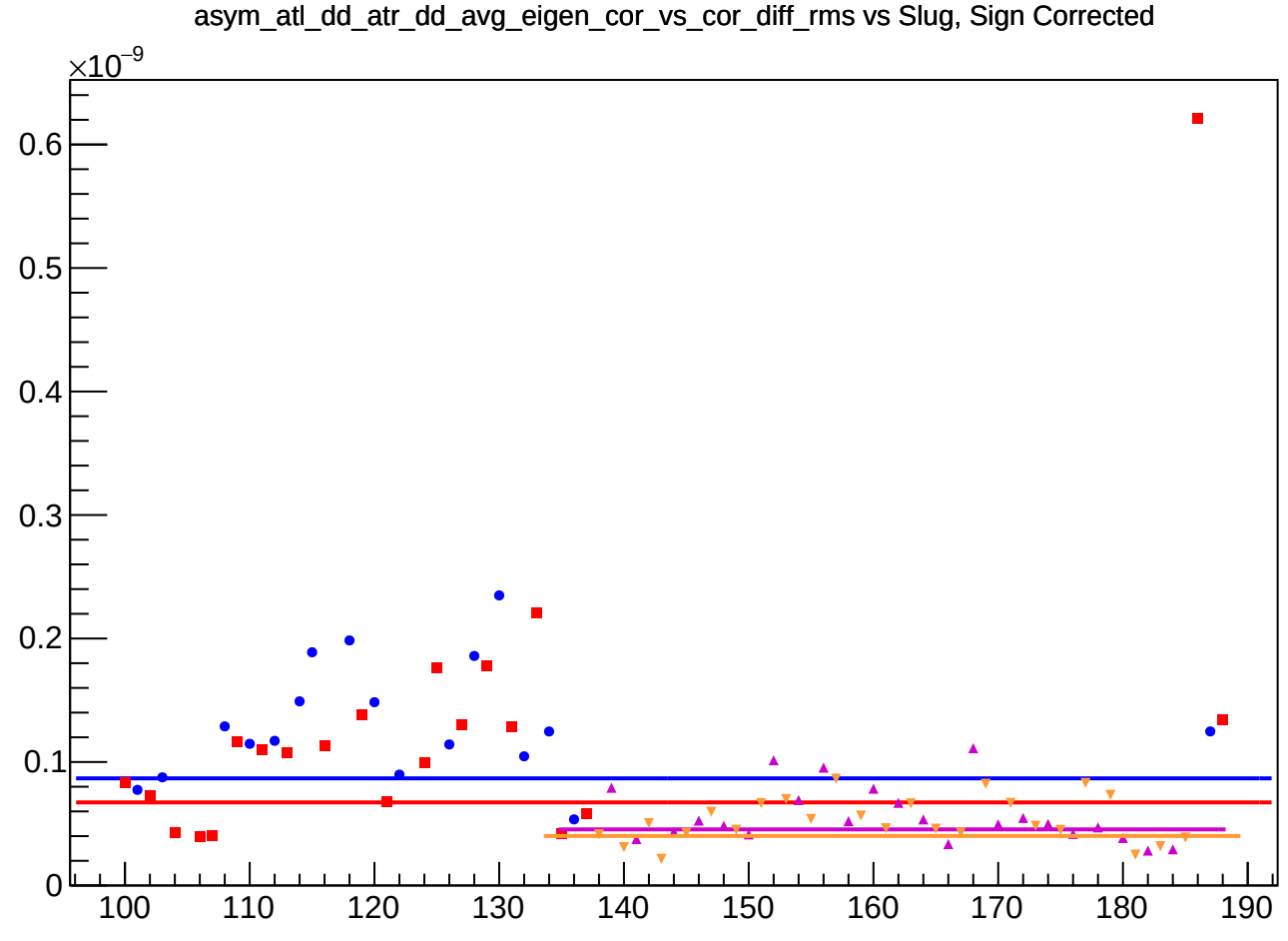
Right: 129.535+/-0.025 χ^2/NDF: 3466719.3/37

In: 201.625+/-0.031 χ^2/NDF:8641101.7/39

Out: 167.122+/-0.027 χ^2/NDF:15023568.0/45

All: 181.690+/-0.020 χ^2/NDF: 24364000.7/85


asym_atl_dd_atr_dd_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2.5
2
1.5
1
0.5
0
−0.5
−1
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 20.1/16
Left Out: 0.000+/-0.000 χ²/NDF:34.1/24
Right Out: 0.000+/-0.000 χ²/NDF: 19.1/20
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: 39.6/37
In: 0.000+/-0.000 χ²/NDF:43.9/39
Out: 0.000+/-0.000 χ²/NDF:57.9/45
All: 0.000+/-0.000 χ²/NDF: 101.8/85



Right In: 0.000+/-0.000 χ^2/NDF: 1584239.1/16

Left Out: 0.000+/-0.000 χ^2/NDF:3609934.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2710521.4/20

Left In: 0.000+/-0.000 χ^2/NDF:2780344.5/22

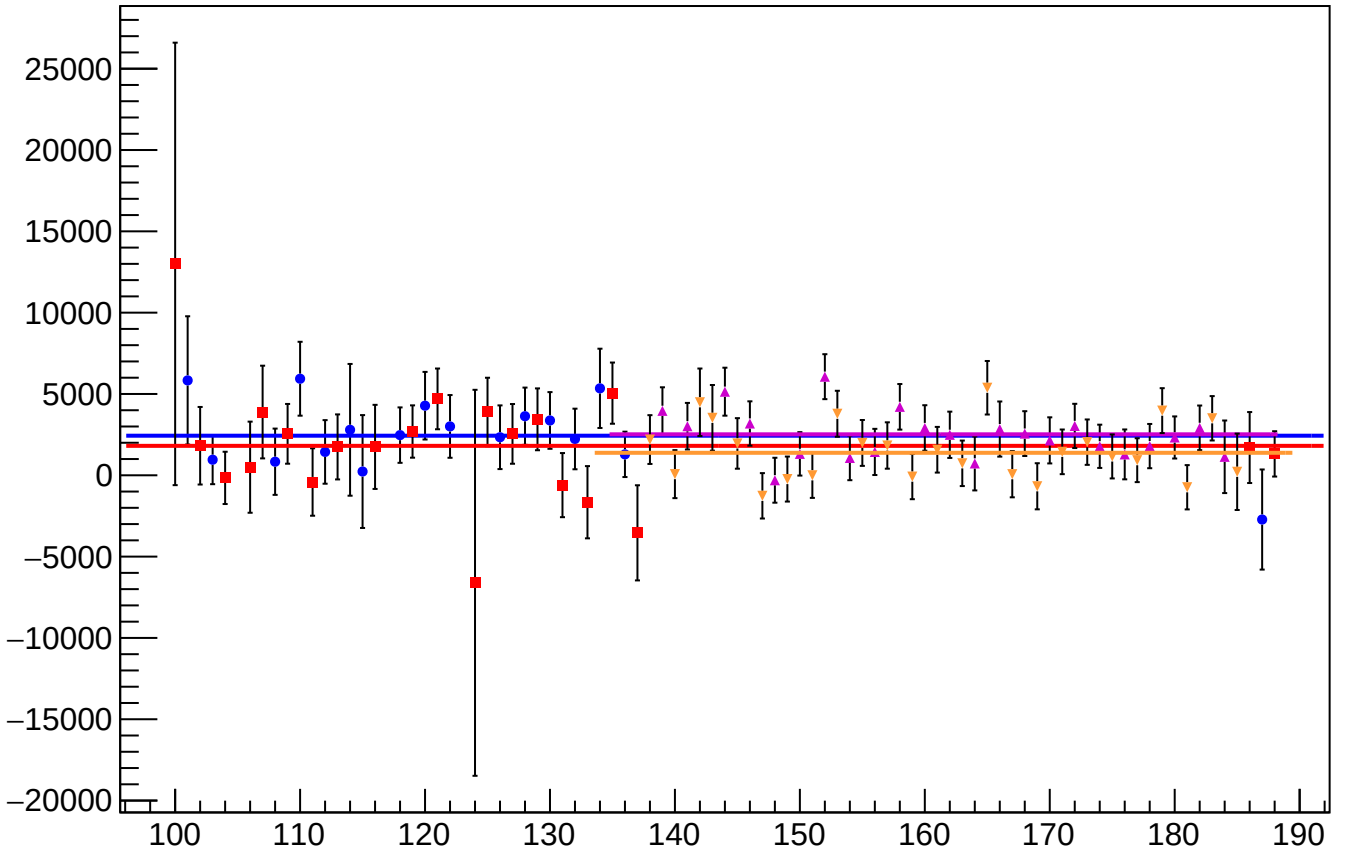
Left: 0.000+/-0.000 χ^2/NDF: 6559252.5/47

Right: 0.000+/-0.000 χ^2/NDF: 4552623.7/37

In: 0.000+/-0.000 χ^2/NDF:6081623.0/39

Out: 0.000+/-0.000 χ^2/NDF:7466241.3/45

All: 0.000+/-0.000 χ^2/NDF: 13787059.0/85



Right In: 2433.943+/-489.070 χ^2/NDF: 11.9/16

Left Out: 1383.252+/-292.777 χ^2/NDF:32.9/24

Right Out: 1810.314+/-455.915 χ^2/NDF: 19.7/20

Left In: 2519.365+/-298.095 χ^2/NDF:22.5/22

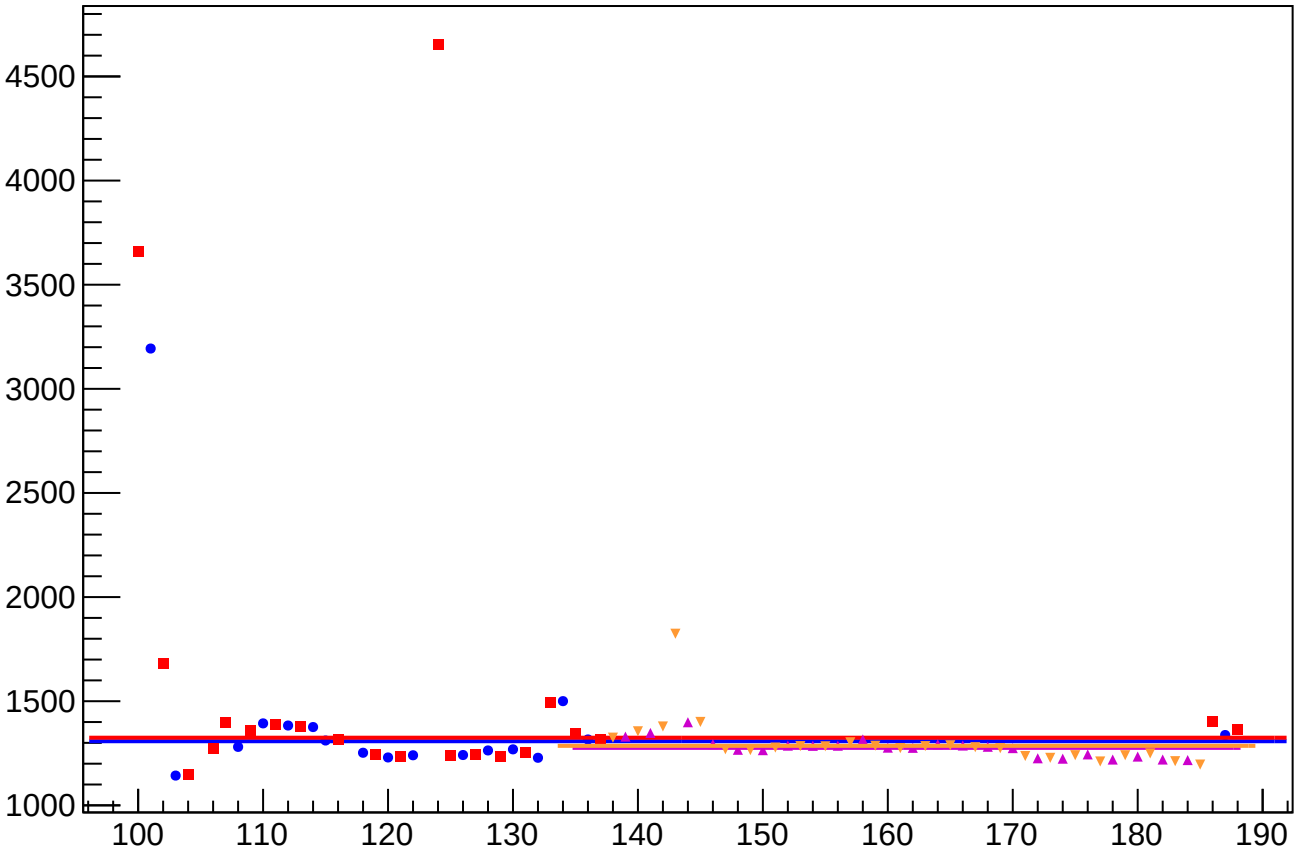
Left: 1941.083+/-208.879 χ^2/NDF: 62.8/47

Right: 2100.275+/-333.486 χ^2/NDF: 32.5/37

In: 2496.226+/-254.540 χ^2/NDF:34.4/39

Out: 1507.945+/-246.354 χ^2/NDF:53.2/45

All: 1985.938+/-177.022 χ^2/NDF: 95.4/85



Right In: 1307.840+/-0.346 χ^2/NDF: 516441.2/16

Left Out: 1285.649+/-0.207 χ^2/NDF:191027.3/24

Right Out: 1324.798+/-0.322 χ^2/NDF: 331155.3/20

Left In: 1275.941+/-0.211 χ^2/NDF:41399.0/22

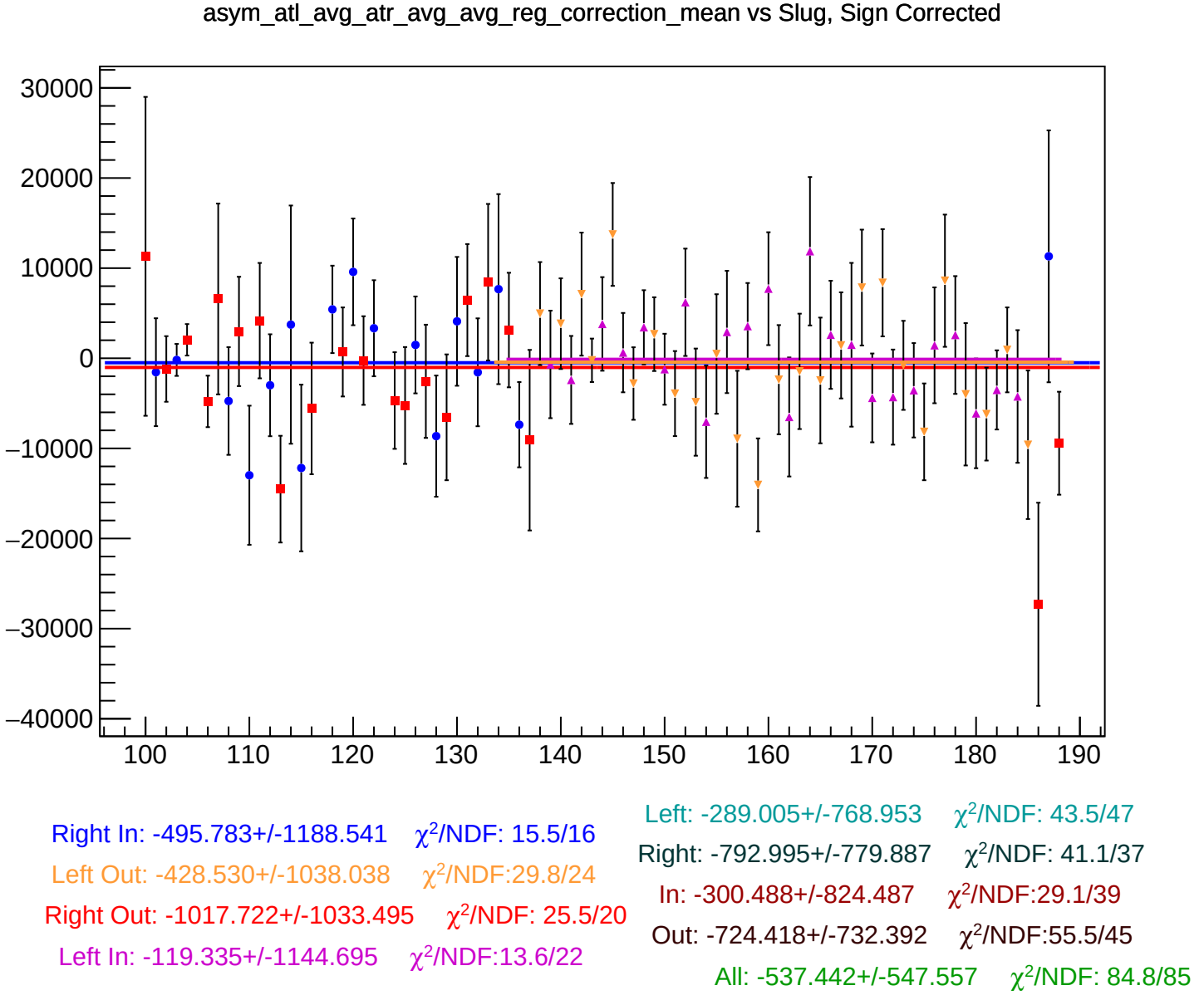
Left: 1280.882+/-0.148 χ^2/NDF: 233506.1/47

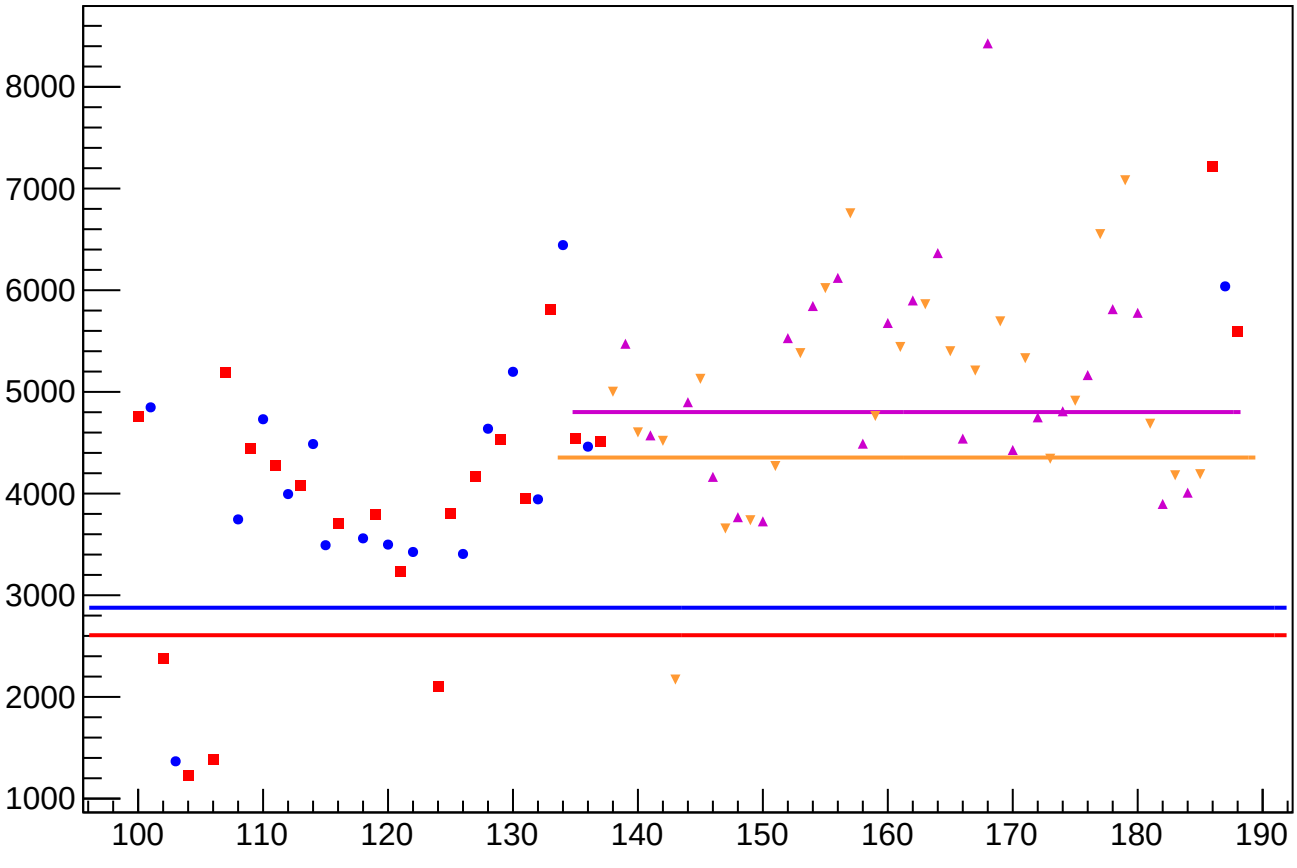
Right: 1316.933+/-0.236 χ^2/NDF: 848885.8/37

In: 1284.581+/-0.180 χ^2/NDF:564043.9/39

Out: 1297.117+/-0.174 χ^2/NDF:532657.7/45

All: 1291.058+/-0.125 χ^2/NDF: 1099207.8/85


asym_atl_avg_atr_avg_avg_reg_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
160
170
180
190
Right In: -495.783+/-1188.541 χ²/NDF: 15.5/16
Left Out: -428.530+/-1038.038 χ²/NDF:29.8/24
Right Out: -1017.722+/-1033.495 χ²/NDF: 25.5/20
Left In: -119.335+/-1144.695 χ²/NDF:13.6/22
Left: -289.005+/-768.953 χ²/NDF: 43.5/47
Right: -792.995+/-779.887 χ²/NDF: 41.1/37
In: -300.488+/-824.487 χ²/NDF:29.1/39
Out: -724.418+/-732.392 χ²/NDF:55.5/45
All: -537.442+/-547.557 χ²/NDF: 84.8/85



Right In: 2877.324+/-0.840 χ^2/NDF: 3007852.8/16

Left Out: 4354.526+/-0.734 χ^2/NDF:3071436.3/24

Right Out: 2606.906+/-0.731 χ^2/NDF: 4273154.9/20

Left In: 4801.573+/-0.809 χ^2/NDF:1231883.2/22

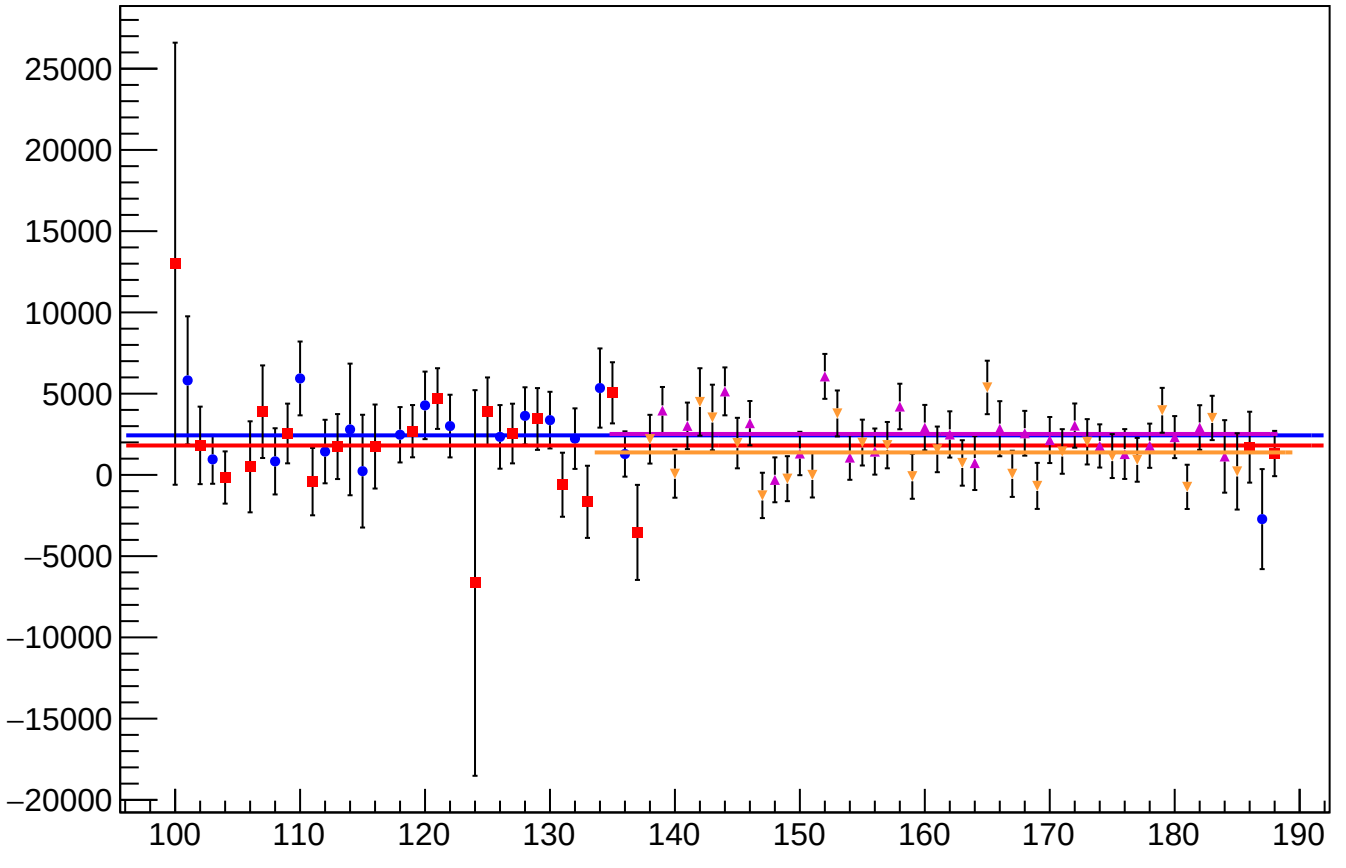
Left: 4556.257+/-0.544 χ^2/NDF: 4470709.2/47

Right: 2723.337+/-0.551 χ^2/NDF: 7339962.8/37

In: 3875.596+/-0.583 χ^2/NDF:6959378.7/39

Out: 3476.884+/-0.518 χ^2/NDF:10191466.6/45

All: 3652.737+/-0.387 χ^2/NDF: 17412273.2/8



Right In: 2433.677+/-489.071 χ^2/NDF: 11.9/16

Left Out: 1383.188+/-292.777 χ^2/NDF:32.9/24

Right Out: 1810.071+/-455.915 χ^2/NDF: 19.7/20

Left In: 2519.366+/-298.095 χ^2/NDF:22.5/22

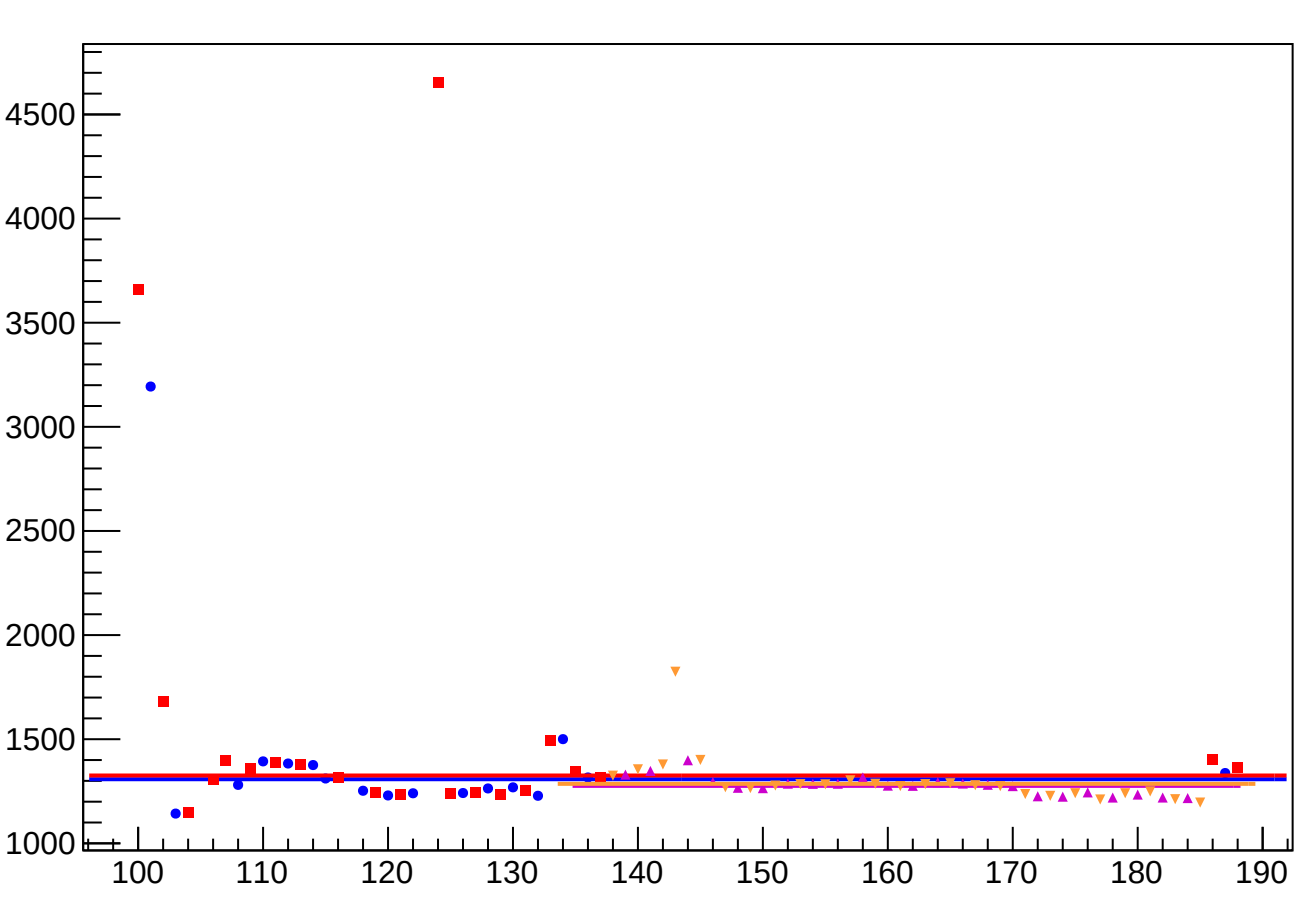
Left: 1941.050+/-208.879 χ^2/NDF: 62.8/47

Right: 2100.021+/-333.486 χ^2/NDF: 32.5/37

In: 2496.155+/-254.540 χ^2/NDF:34.4/39

Out: 1507.829+/-246.354 χ^2/NDF:53.2/45

All: 1985.844+/-177.022 χ^2/NDF: 95.4/85



Right In: 1307.839+/-0.346 χ^2/NDF: 516442.7/16

Left Out: 1285.649+/-0.207 χ^2/NDF:191027.3/24

Right Out: 1325.770+/-0.322 χ^2/NDF: 330499.3/20

Left In: 1275.941+/-0.211 χ^2/NDF:41399.0/22

Left: 1280.882+/-0.148 χ^2/NDF: 233506.1/47

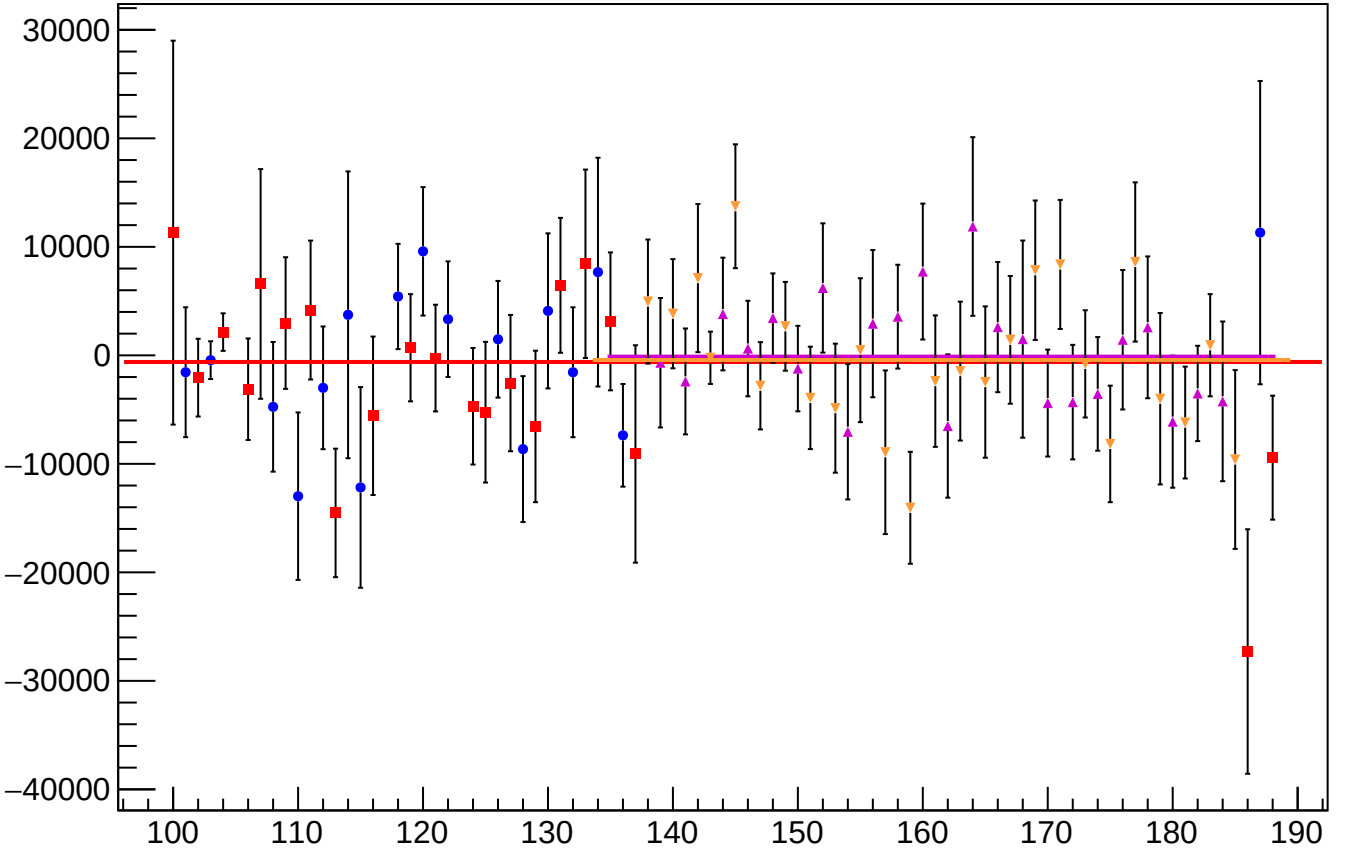
Right: 1317.447+/-0.236 χ^2/NDF: 848382.5/37

In: 1284.581+/-0.180 χ^2/NDF:564045.3/39

Out: 1297.390+/-0.174 χ^2/NDF:532517.6/45

All: 1291.198+/-0.125 χ^2/NDF: 1099179.2/85

asym_atl_avg_atr_avg_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -609.924+/-1178.223 χ^2/NDF: 15.4/16

Left Out: -428.525+/-1038.036 χ^2/NDF:29.8/24

Right Out: -615.247+/-1073.555 χ^2/NDF: 24.2/20

Left In: -119.307+/-1144.695 χ^2/NDF:13.6/22

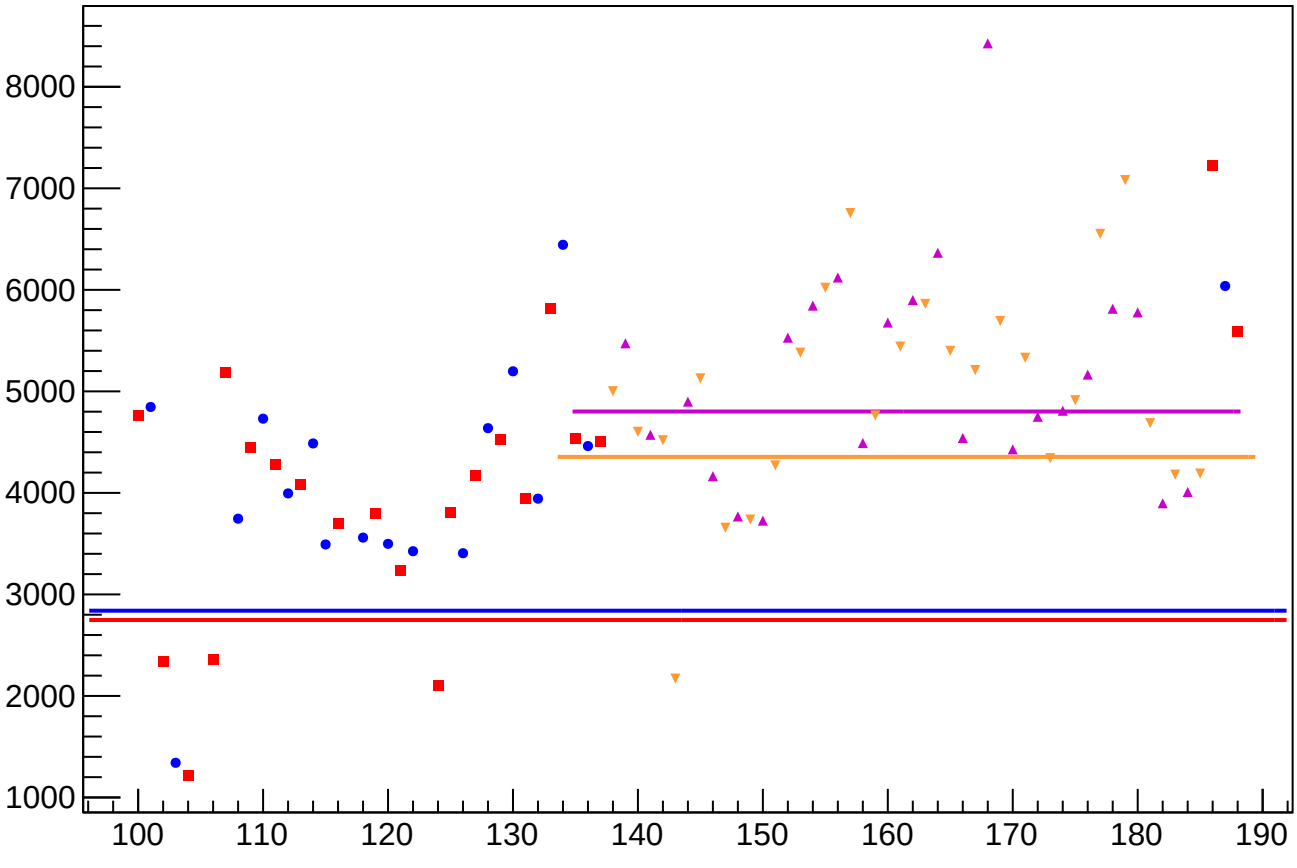
Left: -288.990+/-768.952 χ^2/NDF: 43.5/47

Right: -612.833+/-793.547 χ^2/NDF: 39.6/37

In: -357.536+/-821.019 χ^2/NDF:29.1/39

Out: -518.746+/-746.243 χ^2/NDF:54.0/45

All: -445.815+/-552.221 χ^2/NDF: 83.2/85



Right In: 2839.677+/-0.833 χ^2/NDF: 3113057.3/16

Left Out: 4354.511+/-0.734 χ^2/NDF:3071528.5/24

Right Out: 2748.049+/-0.759 χ^2/NDF: 3927116.0/20

Left In: 4801.570+/-0.809 χ^2/NDF:1231894.6/22

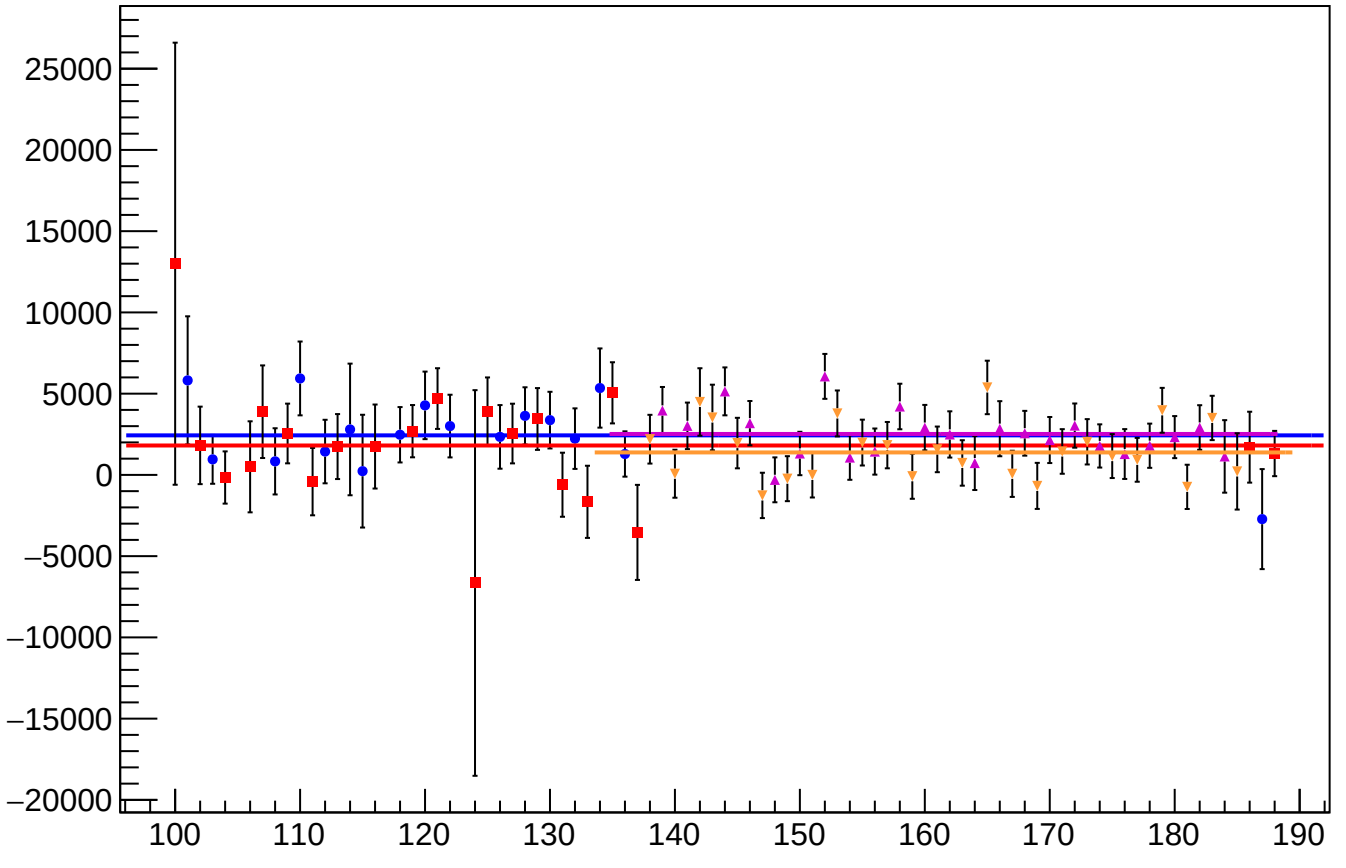
Left: 4556.247+/-0.544 χ^2/NDF: 4470822.6/47

Right: 2789.613+/-0.561 χ^2/NDF: 7046782.2/37

In: 3848.935+/-0.581 χ^2/NDF:7197627.6/39

Out: 3578.294+/-0.528 χ^2/NDF:9313153.4/45

All: 3700.731+/-0.390 χ^2/NDF: 16629789.0/8



Right In: 2433.677+/-489.071 χ^2/NDF: 11.9/16

Left Out: 1383.188+/-292.777 χ^2/NDF:32.9/24

Right Out: 1810.071+/-455.915 χ^2/NDF: 19.7/20

Left In: 2519.366+/-298.095 χ^2/NDF:22.5/22

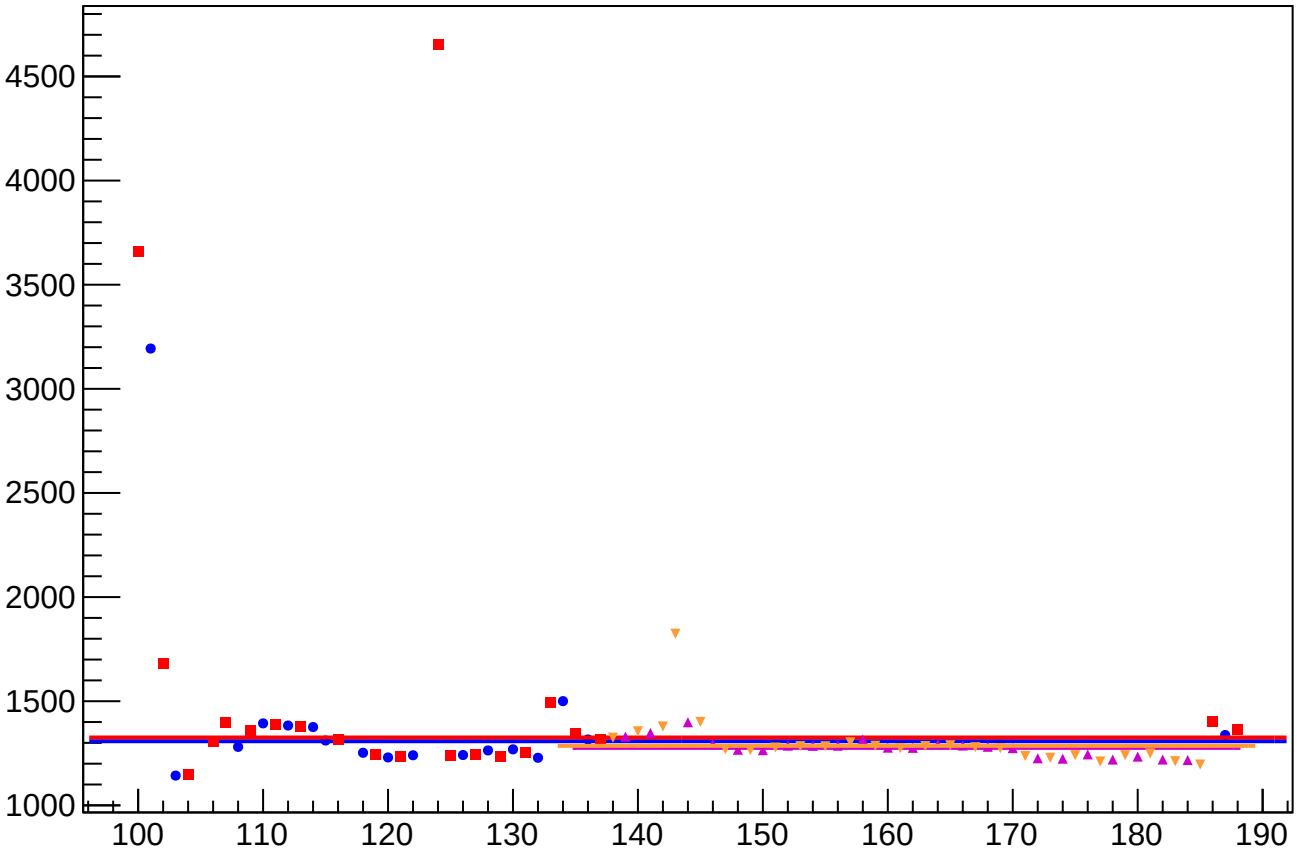
Left: 1941.050+/-208.879 χ^2/NDF: 62.8/47

Right: 2100.021+/-333.486 χ^2/NDF: 32.5/37

In: 2496.155+/-254.540 χ^2/NDF:34.4/39

Out: 1507.829+/-246.354 χ^2/NDF:53.2/45

All: 1985.844+/-177.022 χ^2/NDF: 95.4/85



Right In: 1307.839+/-0.346 χ^2/NDF: 516442.7/16

Left Out: 1285.649+/-0.207 χ^2/NDF:191027.3/24

Right Out: 1325.770+/-0.322 χ^2/NDF: 330499.3/20

Left In: 1275.941+/-0.211 χ^2/NDF:41399.0/22

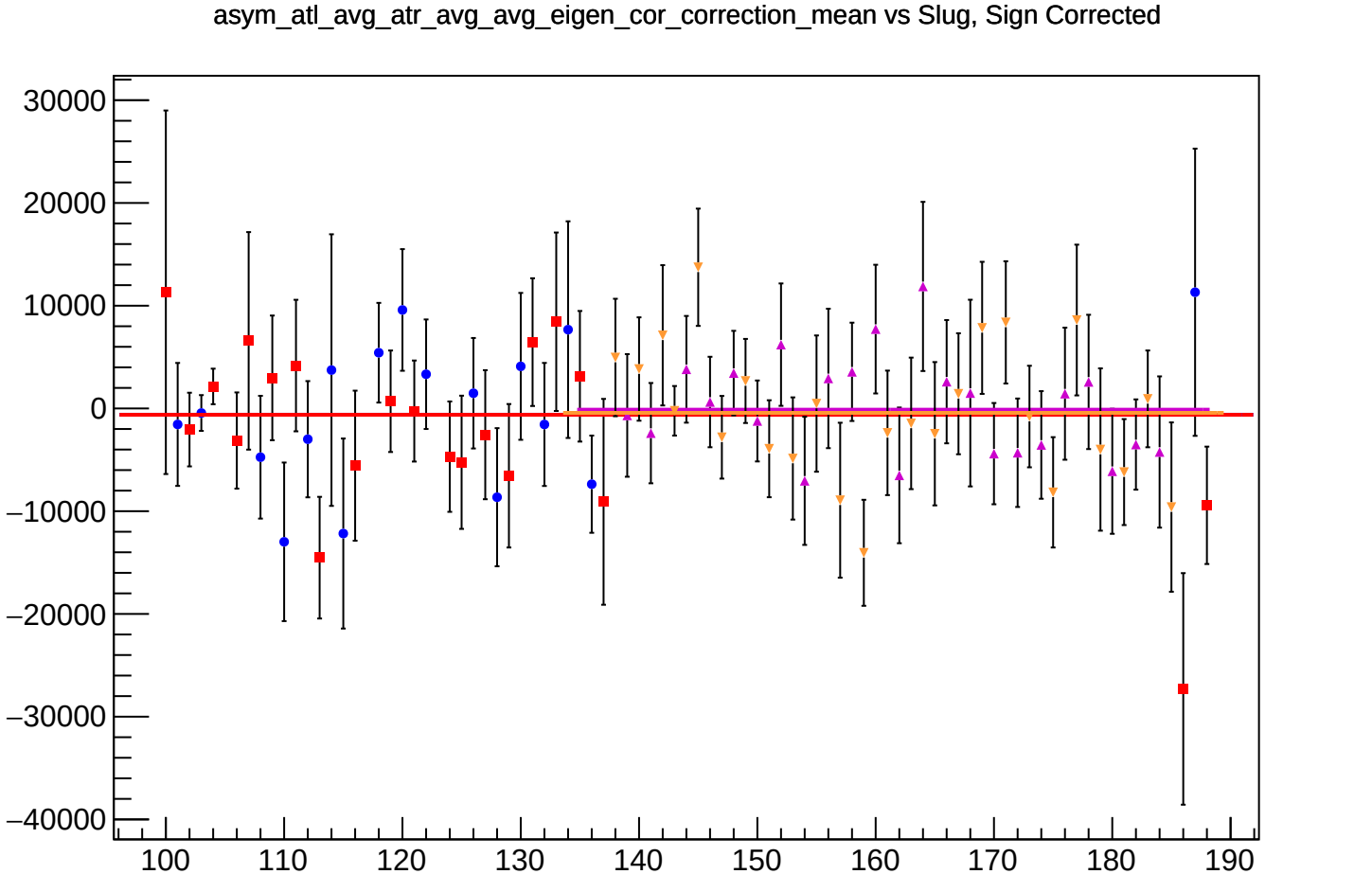
Left: 1280.882+/-0.148 χ^2/NDF: 233506.1/47

Right: 1317.447+/-0.236 χ^2/NDF: 848382.5/37

In: 1284.581+/-0.180 χ^2/NDF:564045.3/39

Out: 1297.390+/-0.174 χ^2/NDF:532517.6/45

All: 1291.198+/-0.125 χ^2/NDF: 1099179.2/85



Right In: -609.924+/-1178.223 χ^2/NDF: 15.4/16

Left Out: -428.525+/-1038.036 χ^2/NDF:29.8/24

Right Out: -615.247+/-1073.555 χ^2/NDF: 24.2/20

Left In: -119.307+/-1144.695 χ^2/NDF:13.6/22

Left: -288.990+/-768.952 χ^2/NDF: 43.5/47

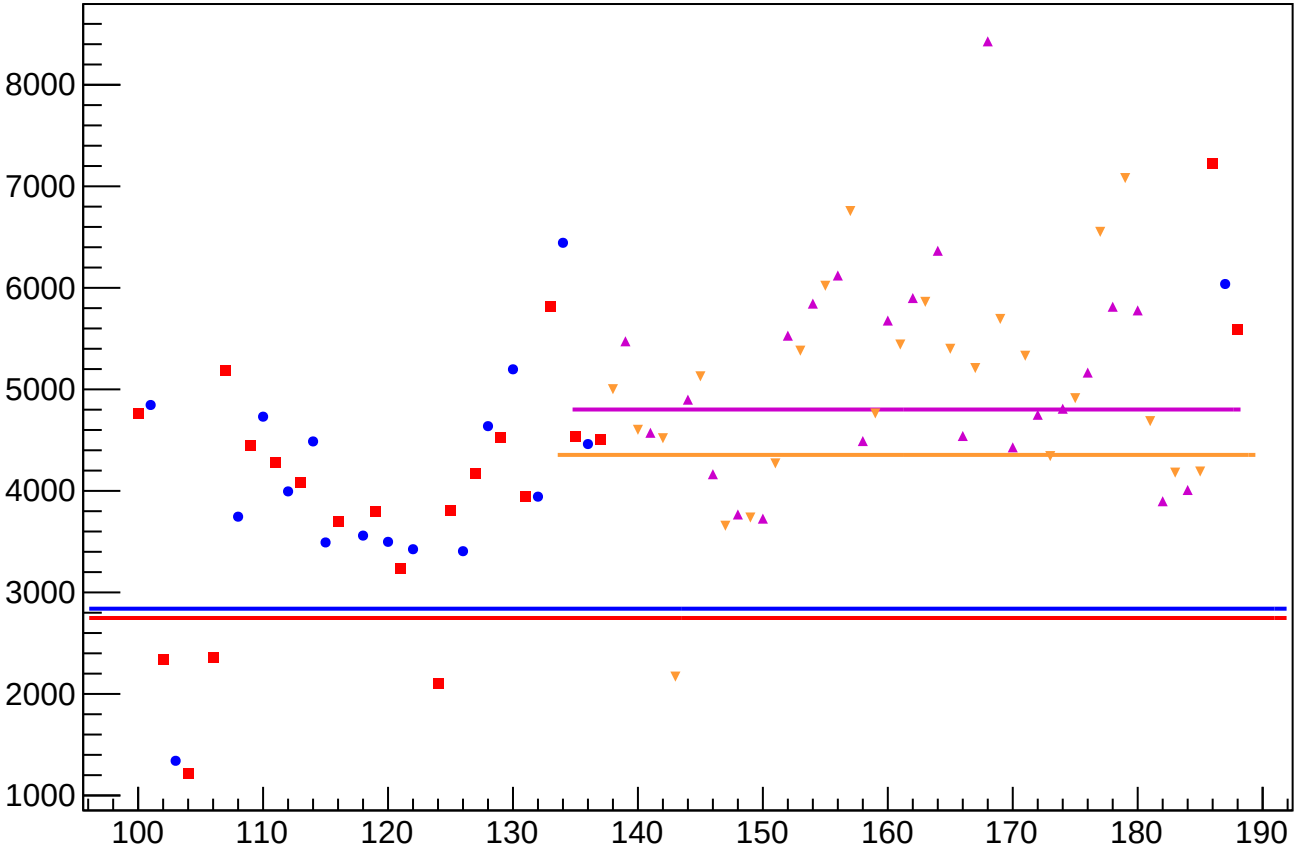
Right: -612.833+/-793.547 χ^2/NDF: 39.6/37

In: -357.536+/-821.019 χ^2/NDF:29.1/39

Out: -518.746+/-746.243 χ^2/NDF:54.0/45

All: -445.815+/-552.221 χ^2/NDF: 83.2/85

asym_atl_avg_atr_avg_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 2839.677+/-0.833 χ^2/NDF: 3113057.3/16

Left Out: 4354.511+/-0.734 χ^2/NDF:3071528.5/24

Right Out: 2748.049+/-0.759 χ^2/NDF: 3927116.0/20

Left In: 4801.570+/-0.809 χ^2/NDF:1231894.6/22

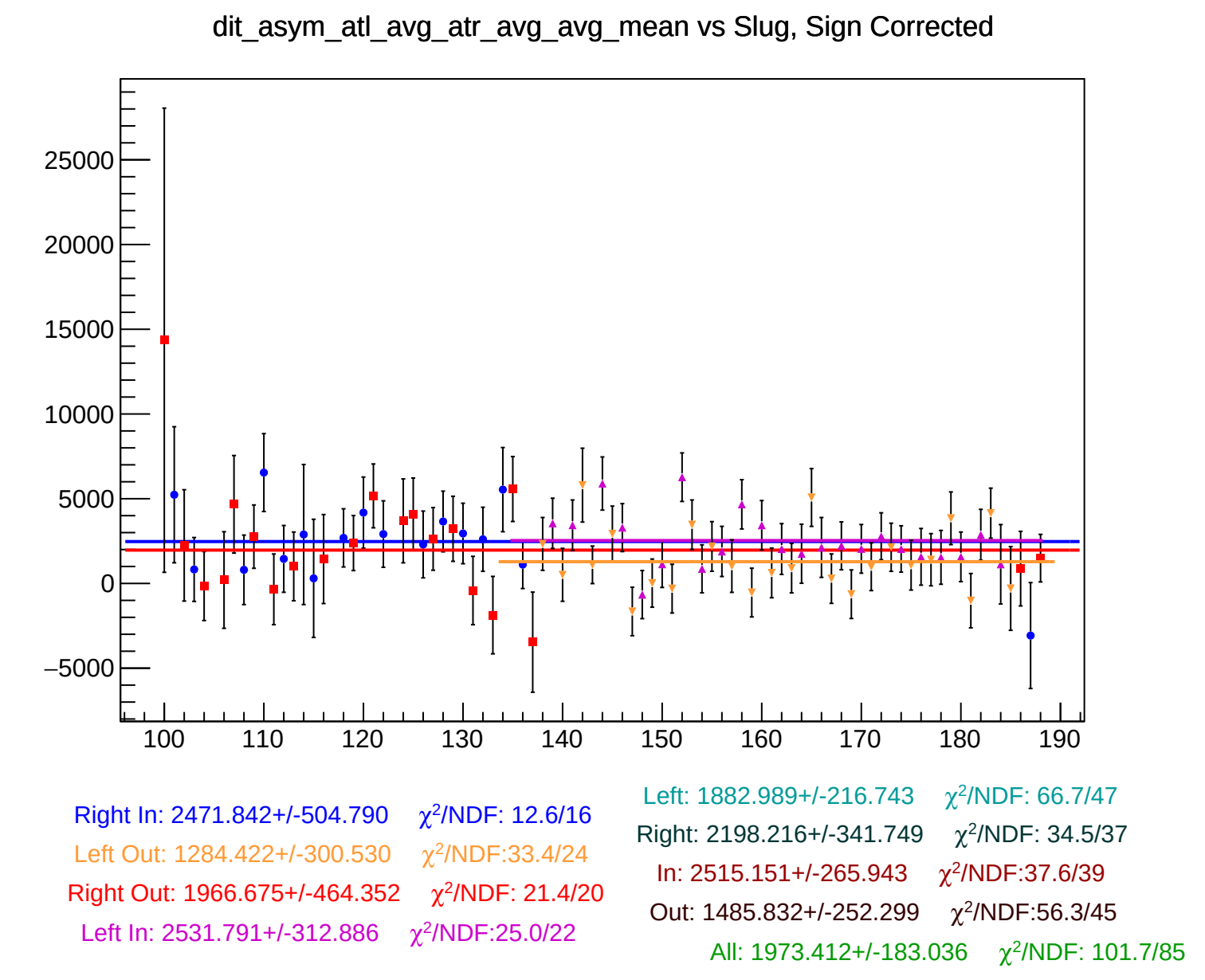
Left: 4556.247+/-0.544 χ^2/NDF: 4470822.6/47

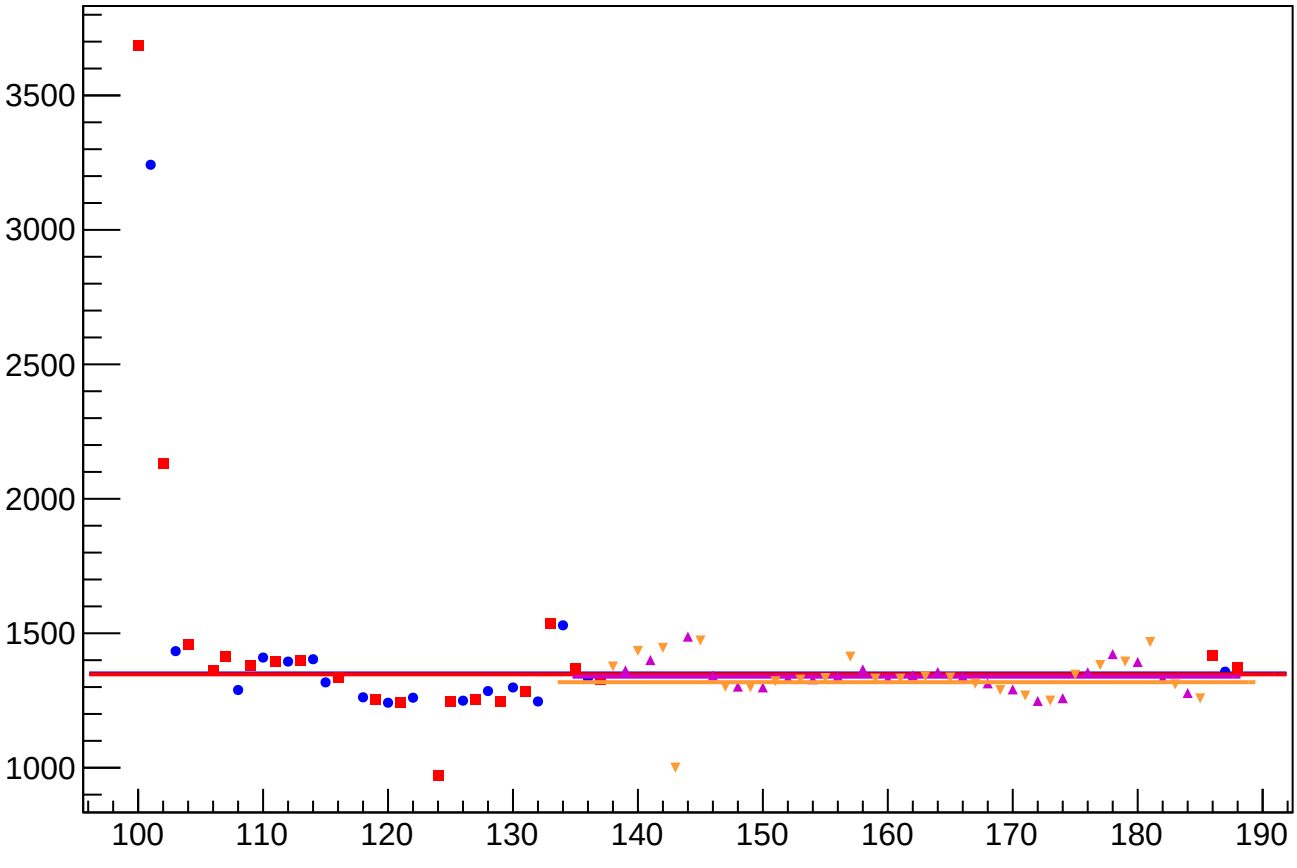
Right: 2789.613+/-0.561 χ^2/NDF: 7046782.2/37

In: 3848.935+/-0.581 χ^2/NDF:7197627.6/39

Out: 3578.294+/-0.528 χ^2/NDF:9313153.4/45

All: 3700.731+/-0.390 χ^2/NDF: 16629789.0/8


dit_asym_atl_avg_atr_avg_avg_mean vs Slug, Sign Corrected
25000
20000
15000
10000
5000
0
−5000
100
110
120
130
140
150
160
170
180
190
Right In: 2471.842+/-504.790 χ²/NDF: 12.6/16
Left Out: 1284.422+/-300.530 χ²/NDF:33.4/24
Right Out: 1966.675+/-464.352 χ²/NDF: 21.4/20
Left In: 2531.791+/-312.886 χ²/NDF:25.0/22
Left: 1882.989+/-216.743 χ²/NDF: 66.7/47
Right: 2198.216+/-341.749 χ²/NDF: 34.5/37
In: 2515.151+/-265.943 χ²/NDF:37.6/39
Out: 1485.832+/-252.299 χ²/NDF:56.3/45
All: 1973.412+/-183.036 χ²/NDF: 101.7/85



Right In: 1350.549+/-0.357 χ^2/NDF: 494060.5/16

Left Out: 1318.174+/-0.213 χ^2/NDF:248547.7/24

Right Out: 1347.284+/-0.328 χ^2/NDF: 275136.9/20

Left In: 1338.602+/-0.221 χ^2/NDF:54248.5/22

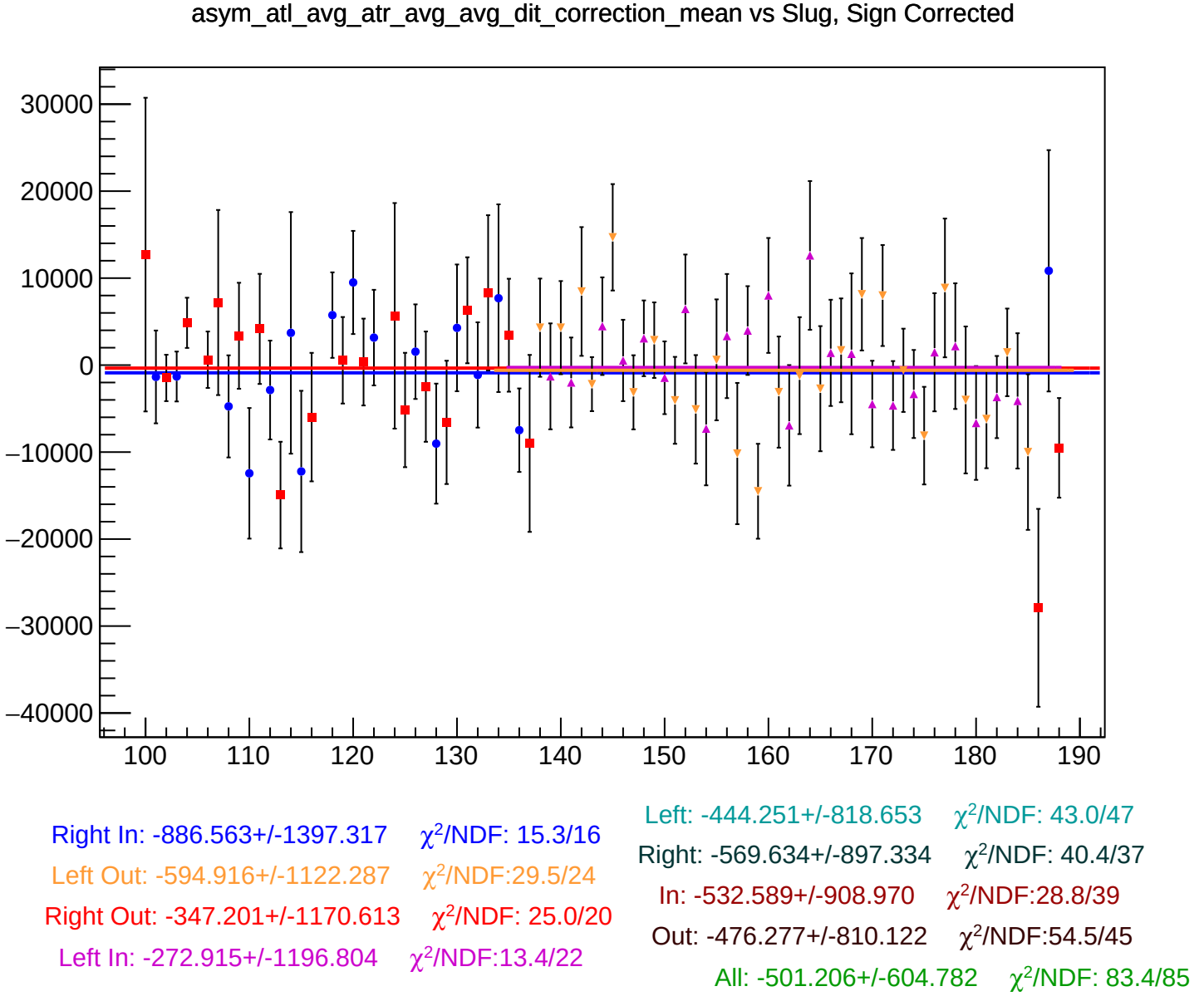
Left: 1327.977+/-0.153 χ^2/NDF: 307230.5/47

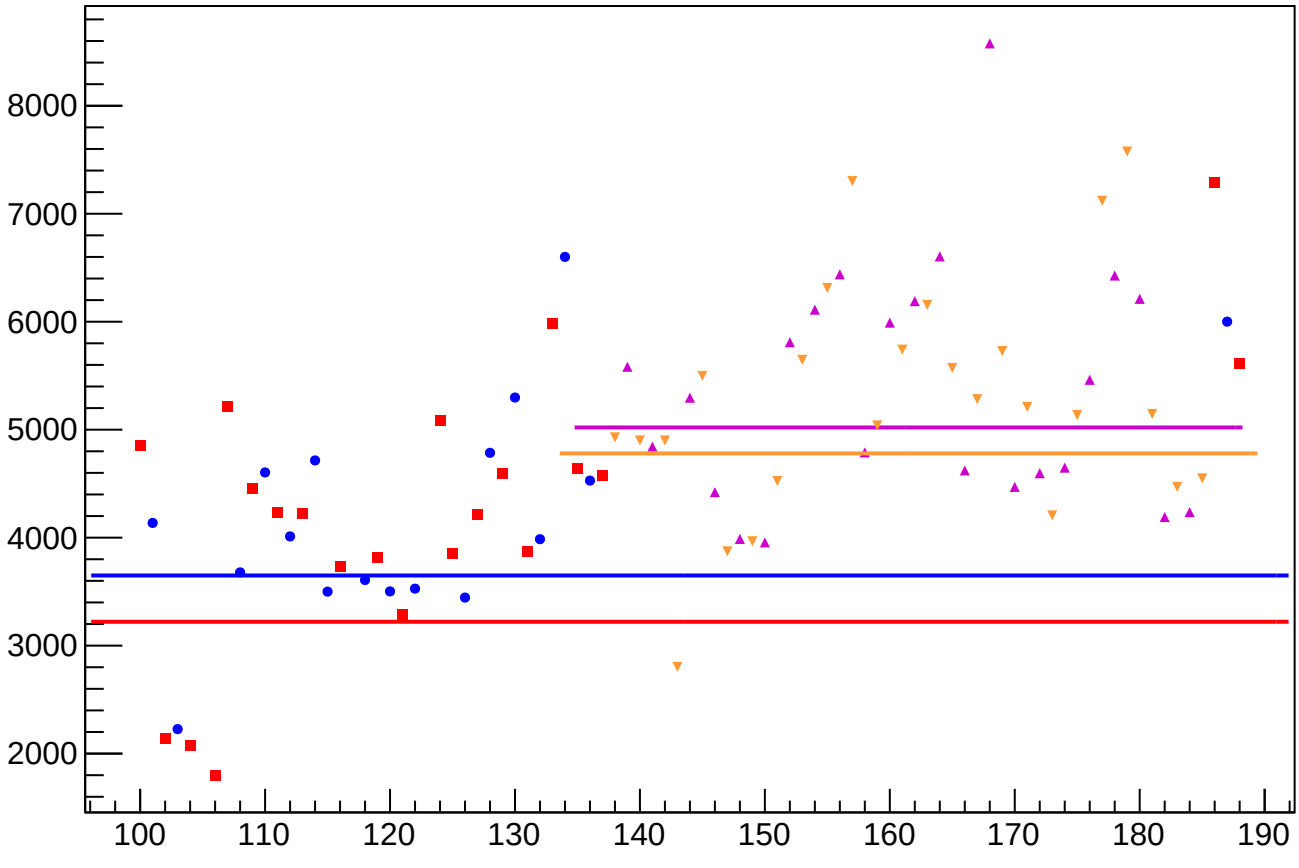
Right: 1348.779+/-0.242 χ^2/NDF: 769242.7/37

In: 1341.918+/-0.188 χ^2/NDF:549118.3/39

Out: 1326.774+/-0.178 χ^2/NDF:529228.0/45

All: 1333.947+/-0.129 χ^2/NDF: 1081760.1/85


asym_atl_avg_atr_avg_avg_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
160
170
180
190
Right In: -886.563+/-1397.317 χ²/NDF: 15.3/16
Left Out: -594.916+/-1122.287 χ²/NDF:29.5/24
Right Out: -347.201+/-1170.613 χ²/NDF: 25.0/20
Left In: -272.915+/-1196.804 χ²/NDF:13.4/22
Left: -444.251+/-818.653 χ²/NDF: 43.0/47
Right: -569.634+/-897.334 χ²/NDF: 40.4/37
In: -532.589+/-908.970 χ²/NDF:28.8/39
Out: -476.277+/-810.122 χ²/NDF:54.5/45
All: -501.206+/-604.782 χ²/NDF: 83.4/85



Right In: 3649.603+/-0.988 χ^2/NDF: 1002921.4/16

Left Out: 4780.396+/-0.794 χ^2/NDF:2006245.3/24

Right Out: 3221.153+/-0.828 χ^2/NDF: 2473547.6/20

Left In: 5020.560+/-0.846 χ^2/NDF:1225091.9/22

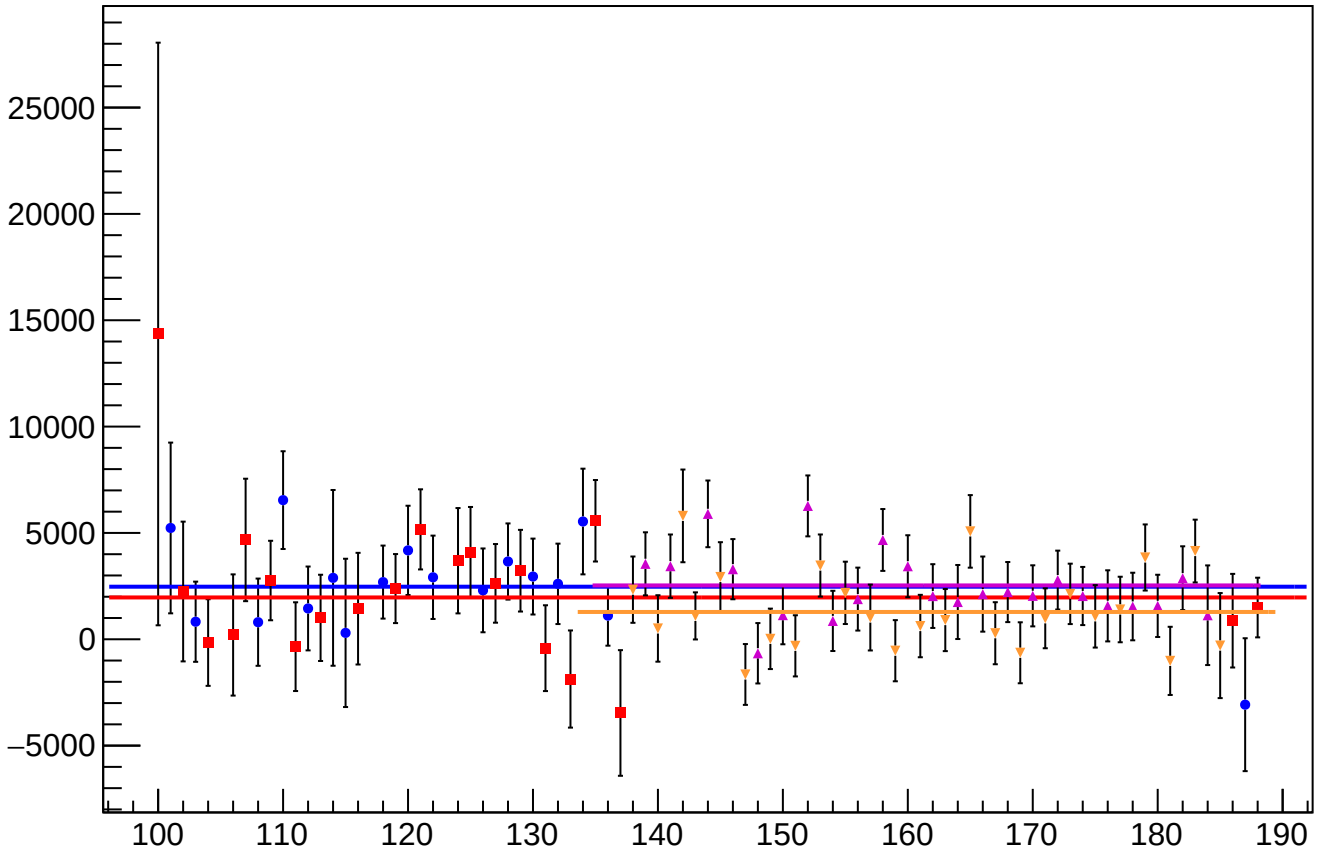
Left: 4892.769+/-0.579 χ^2/NDF: 3274191.3/47

Right: 3397.845+/-0.635 χ^2/NDF: 3586958.8/37

In: 4440.420+/-0.643 χ^2/NDF:3338568.4/39

Out: 4033.623+/-0.573 χ^2/NDF:6328740.8/45

All: 4213.708+/-0.428 χ^2/NDF: 9890555.3/85



Right In: 2471.843+/-504.790 χ^2/NDF: 12.6/16

Left Out: 1284.416+/-300.530 χ^2/NDF:33.4/24

Right Out: 1966.677+/-464.352 χ^2/NDF: 21.4/20

Left In: 2531.791+/-312.887 χ^2/NDF:25.0/22

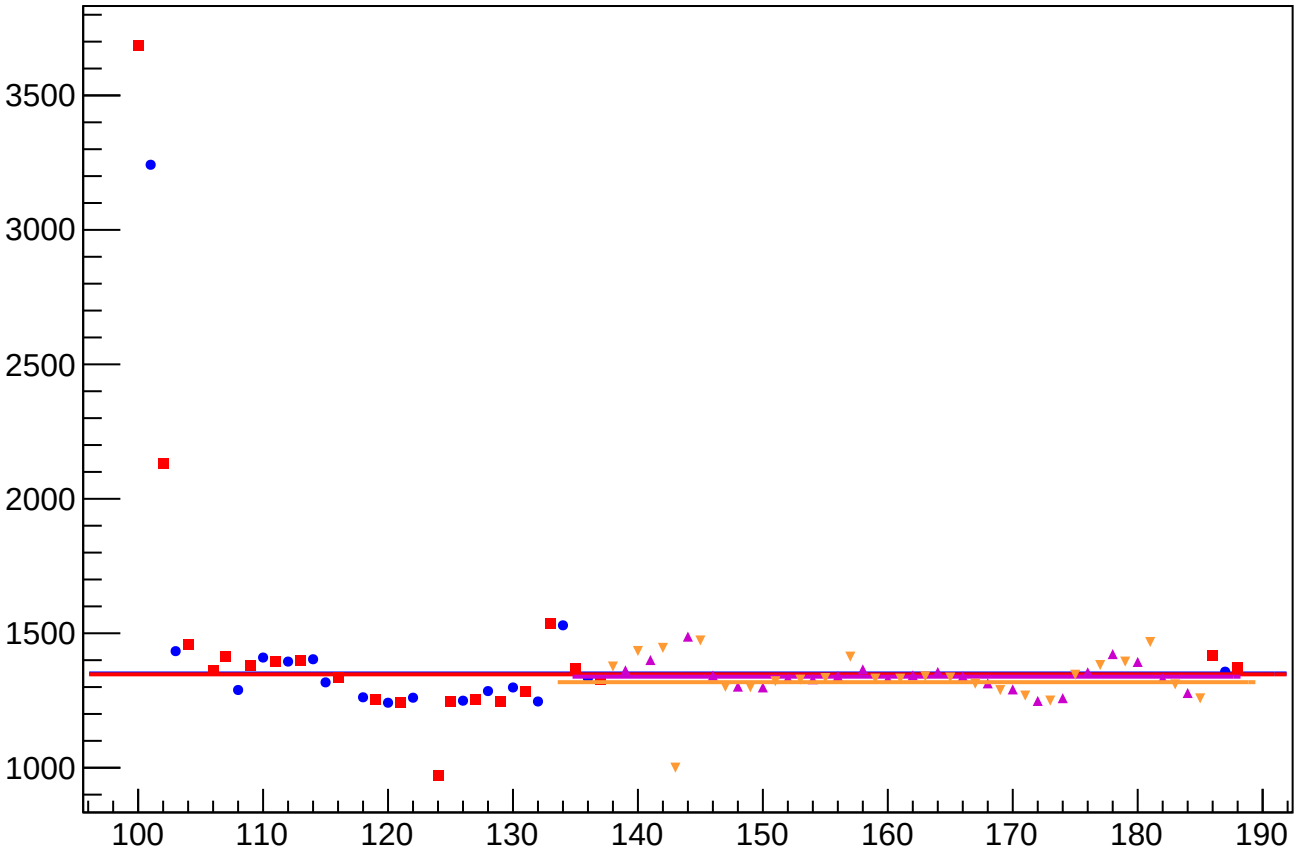
Left: 1882.986+/-216.744 χ^2/NDF: 66.7/47

Right: 2198.218+/-341.749 χ^2/NDF: 34.5/37

In: 2515.152+/-265.943 χ^2/NDF:37.6/39

Out: 1485.830+/-252.299 χ^2/NDF:56.3/45

All: 1973.411+/-183.036 χ^2/NDF: 101.7/85



Right In: 1350.548+/-0.357 χ^2/NDF: 494060.6/16

Left Out: 1318.176+/-0.213 χ^2/NDF:248550.2/24

Right Out: 1347.283+/-0.328 χ^2/NDF: 275135.9/20

Left In: 1338.604+/-0.221 χ^2/NDF:54251.0/22

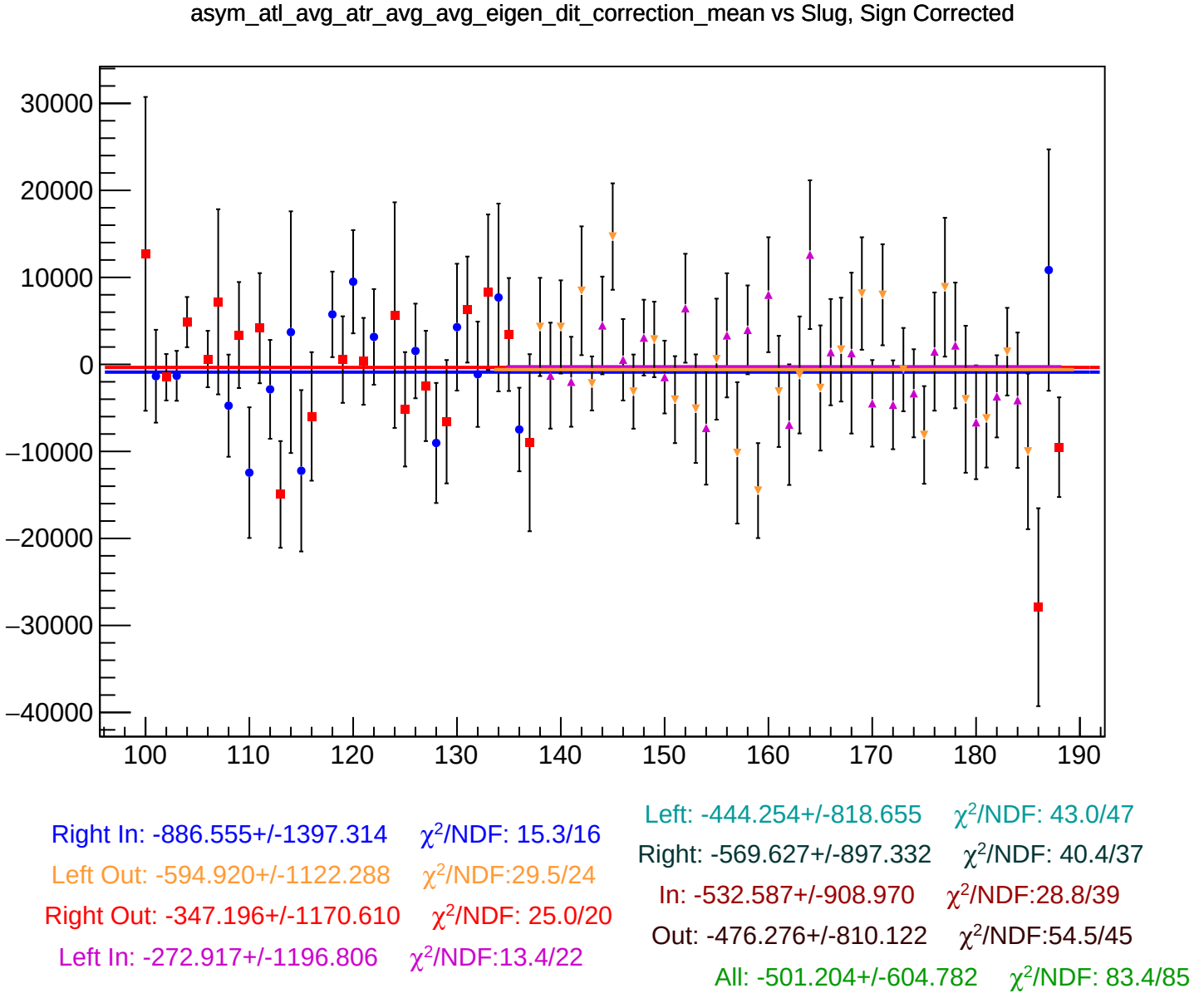
Left: 1327.978+/-0.153 χ^2/NDF: 307235.6/47

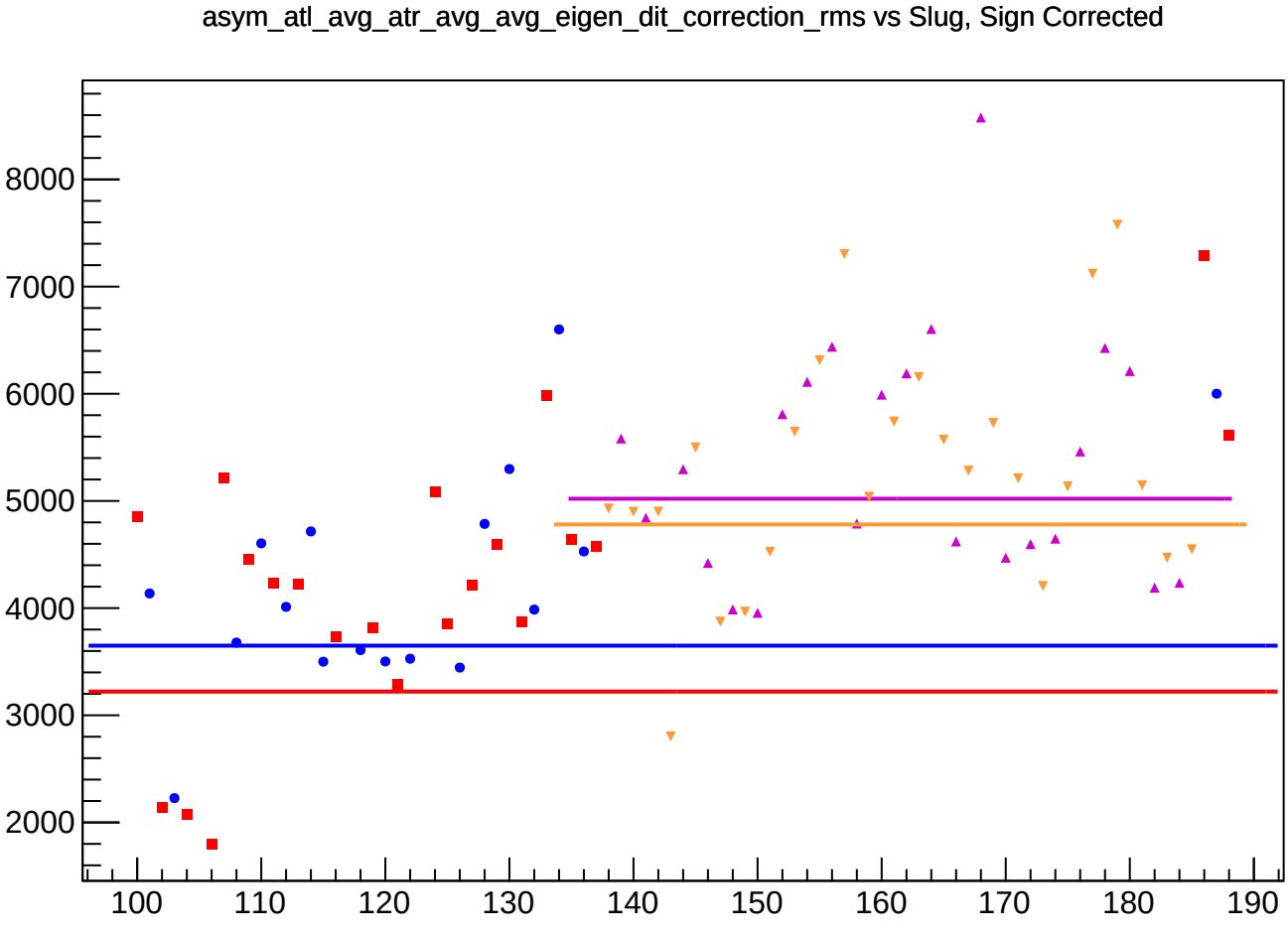
Right: 1348.779+/-0.242 χ^2/NDF: 769241.9/37

In: 1341.919+/-0.188 χ^2/NDF:549120.7/39

Out: 1326.775+/-0.178 χ^2/NDF:529228.9/45

All: 1333.947+/-0.129 χ^2/NDF: 1081763.4/85


asym_atl_avg_atr_avg_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
160
170
180
190
Right In: -886.555+/-1397.314 χ²/NDF: 15.3/16
Left Out: -594.920+/-1122.288 χ²/NDF:29.5/24
Right Out: -347.196+/-1170.610 χ²/NDF: 25.0/20
Left In: -272.917+/-1196.806 χ²/NDF:13.4/22
Left: -444.254+/-818.655 χ²/NDF: 43.0/47
Right: -569.627+/-897.332 χ²/NDF: 40.4/37
In: -532.587+/-908.970 χ²/NDF:28.8/39
Out: -476.276+/-810.122 χ²/NDF:54.5/45
All: -501.204+/-604.782 χ²/NDF: 83.4/85



Right In: 3649.594+/-0.988 χ^2/NDF: 1002924.3/16

Left Out: 4780.404+/-0.794 χ^2/NDF:2006246.8/24

Right Out: 3221.144+/-0.828 χ^2/NDF: 2473555.5/20

Left In: 5020.567+/-0.846 χ^2/NDF:1225095.5/22

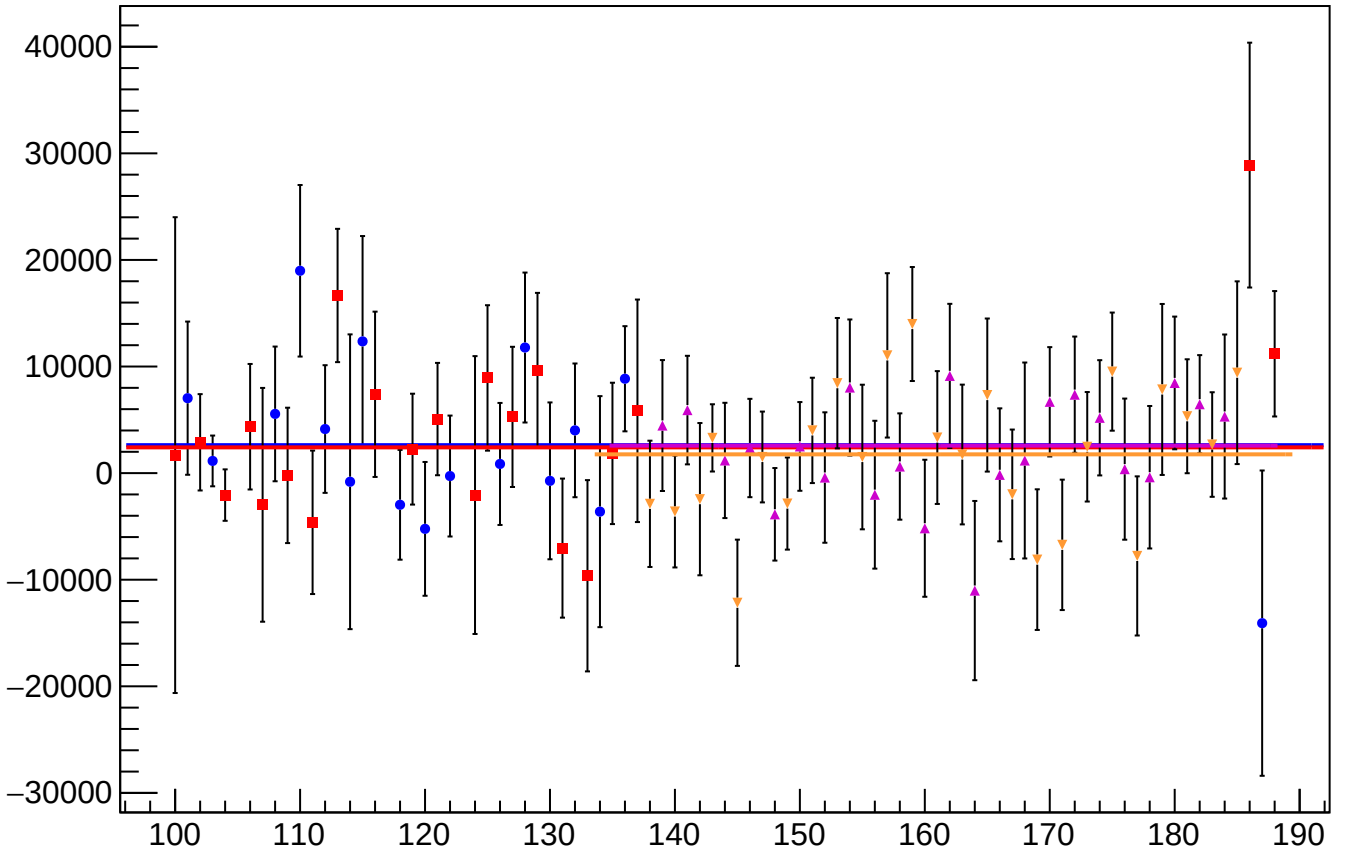
Left: 4892.776+/-0.579 χ^2/NDF: 3274196.2/47

Right: 3397.837+/-0.635 χ^2/NDF: 3586970.0/37

In: 4440.418+/-0.643 χ^2/NDF:3338603.2/39

Out: 4033.620+/-0.573 χ^2/NDF:6328791.2/45

All: 4213.705+/-0.428 χ^2/NDF: 9890642.0/85



Right In: 2623.682+/-1382.945 χ^2/NDF: 14.5/16

Left Out: 1761.683+/-1116.232 χ^2/NDF:27.7/24

Right Out: 2415.162+/-1295.446 χ^2/NDF: 24.7/20

Left In: 2579.960+/-1188.448 χ^2/NDF:13.3/22

Left: 2145.206+/-813.628 χ^2/NDF: 41.2/47

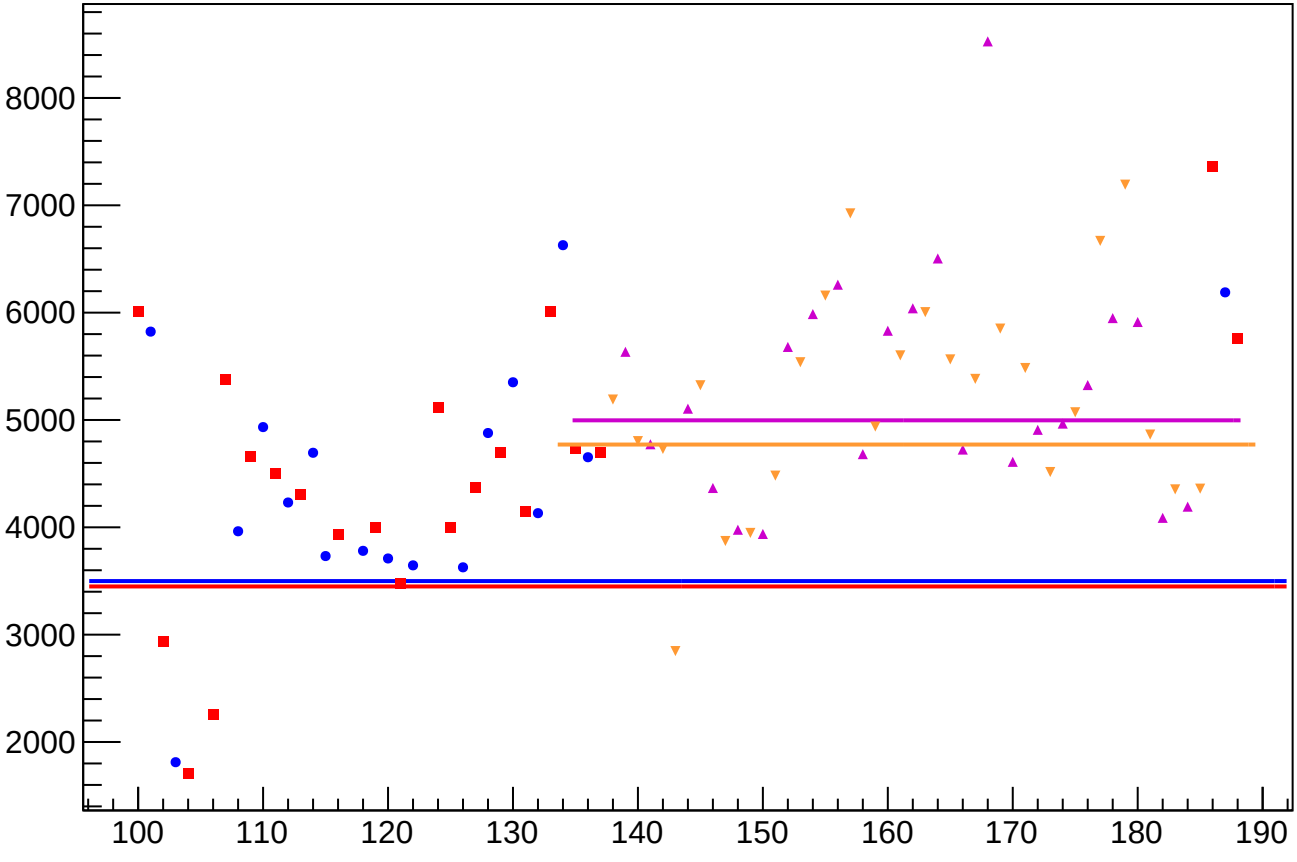
Right: 2512.618+/-945.439 χ^2/NDF: 39.3/37

In: 2598.533+/-901.349 χ^2/NDF:27.8/39

Out: 2040.129+/-845.617 χ^2/NDF:52.5/45

All: 2301.535+/-616.703 χ^2/NDF: 80.5/85

asym_atl_avg_atr_avg_avg_rms vs Slug, Sign Corrected



Right In: 3499.219+/-0.978 χ^2/NDF: 1915187.3/16

Left Out: 4771.181+/-0.789 χ^2/NDF:1787082.6/24

Right Out: 3449.058+/-0.904 χ^2/NDF: 2447813.5/20

Left In: 4996.720+/-0.840 χ^2/NDF:1095876.8/22

Left: 4876.890+/-0.575 χ^2/NDF: 2921229.4/47

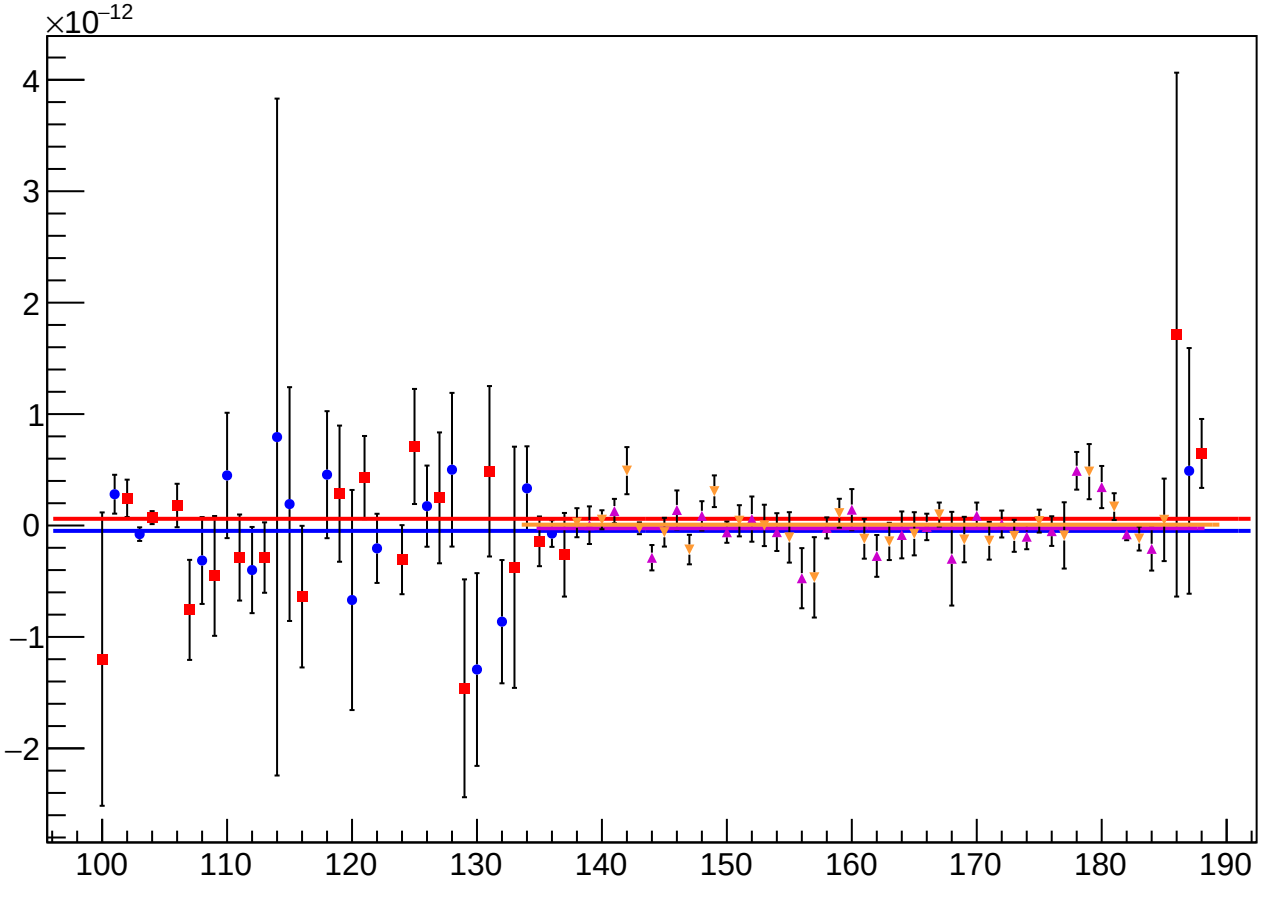
Right: 3472.179+/-0.664 χ^2/NDF: 4364419.2/37

In: 4360.588+/-0.637 χ^2/NDF:4359977.1/39

Out: 4199.452+/-0.595 χ^2/NDF:5448235.7/45

All: 4274.440+/-0.435 χ^2/NDF: 9842386.0/85

asym_atl_avg_atr_avg_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 14.0/16

Left Out: 0.000+/-0.000 χ^2/NDF:27.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 22.7/20

Left In: -0.000+/-0.000 χ^2/NDF:31.7/22

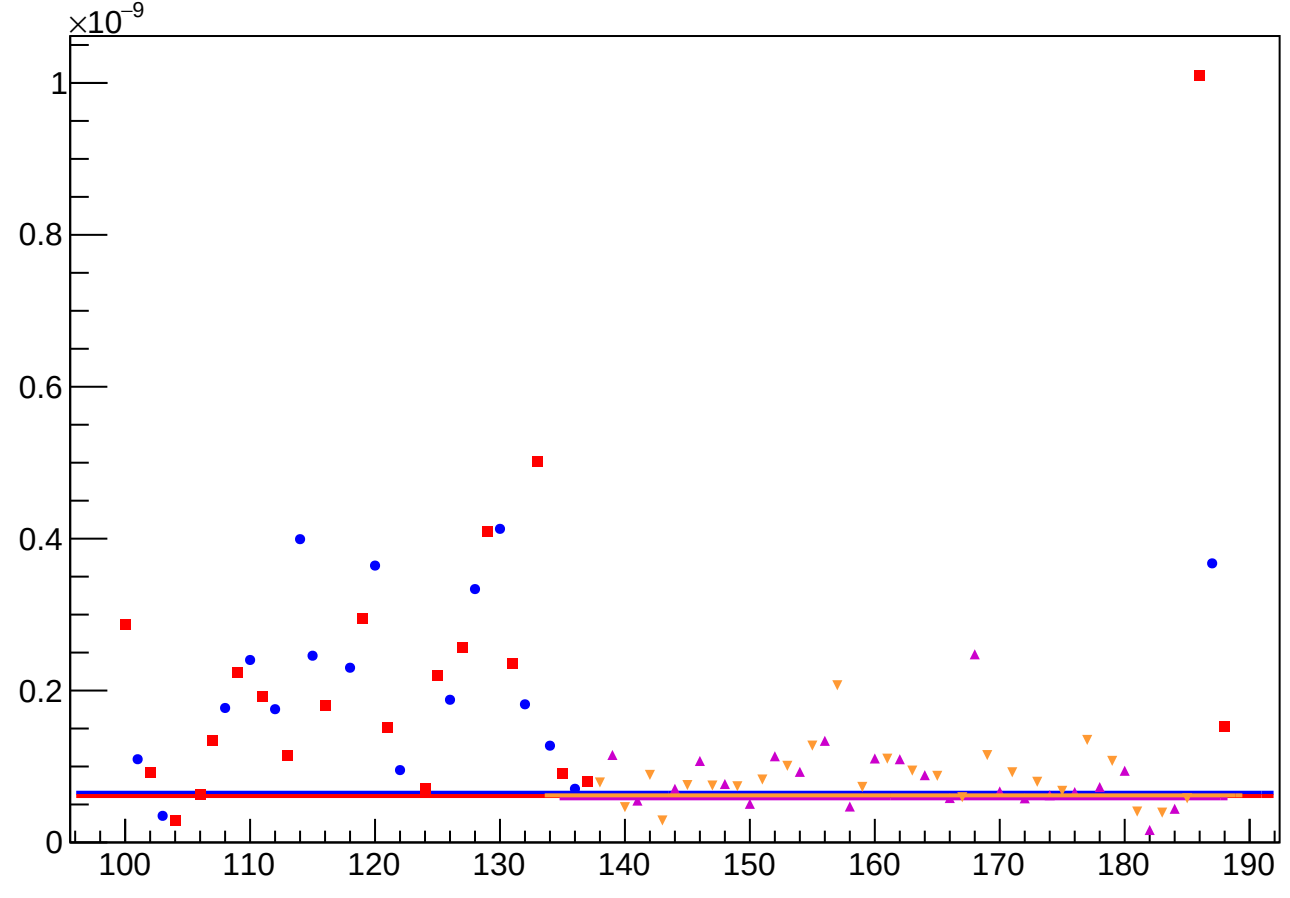
Left: -0.000+/-0.000 χ^2/NDF: 59.5/47

Right: 0.000+/-0.000 χ^2/NDF: 39.3/37

In: -0.000+/-0.000 χ^2/NDF:45.8/39

Out: 0.000+/-0.000 χ^2/NDF:50.8/45

All: -0.000+/-0.000 χ^2/NDF: 99.0/85



Right In: 0.000+/-0.000 χ^2/NDF: 2743289.6/16

Left Out: 0.000+/-0.000 χ^2/NDF:2443383.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3363106.4/20

Left In: 0.000+/-0.000 χ^2/NDF:2966562.8/22

Left: 0.000+/-0.000 χ^2/NDF: 5432557.1/47

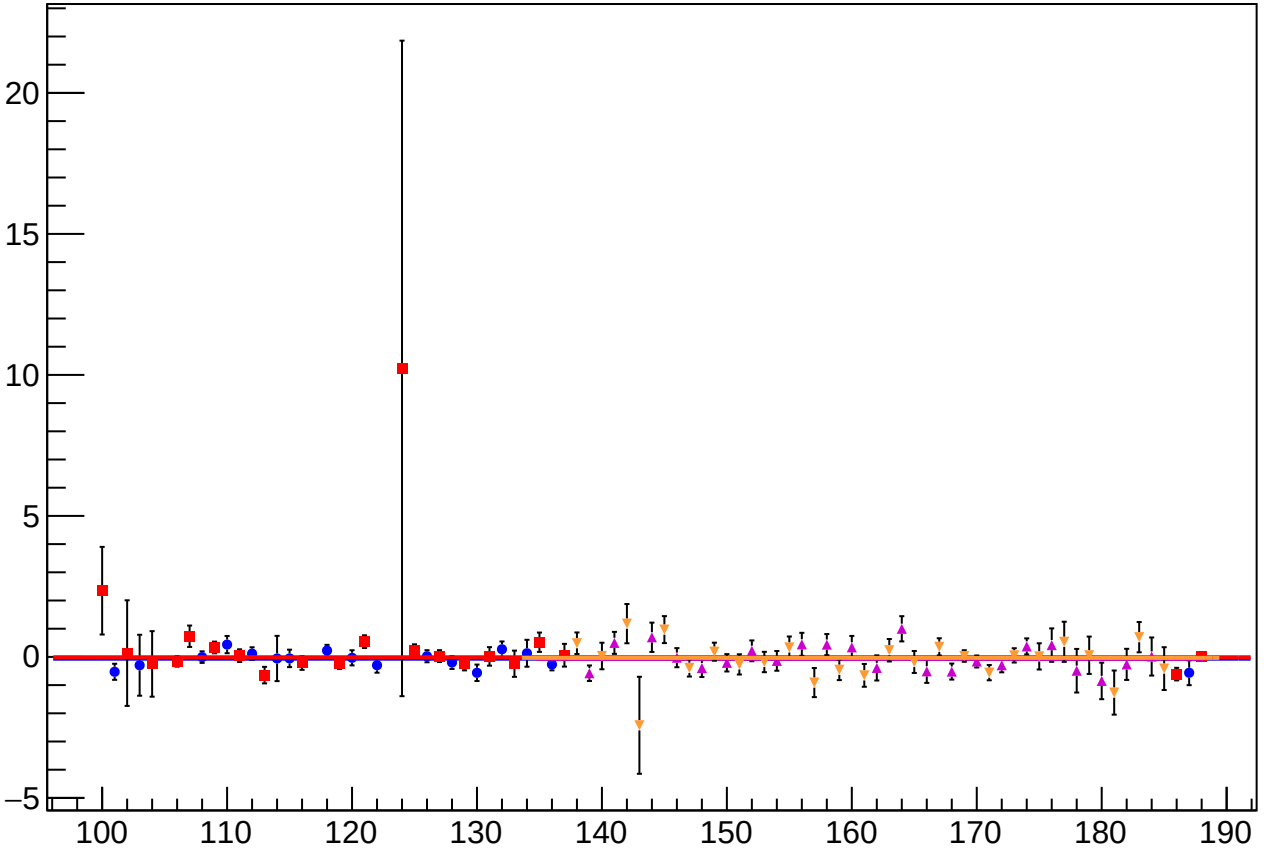
Right: 0.000+/-0.000 χ^2/NDF: 6114677.1/37

In: 0.000+/-0.000 χ^2/NDF:5745587.2/39

Out: 0.000+/-0.000 χ^2/NDF:5807052.7/45

All: 0.000+/-0.000 χ^2/NDF: 11560596.5/85

asym_atl_avg_atr_avg_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.063+/-0.066 χ^2/NDF: 16.2/16

Left Out: -0.035+/-0.077 χ^2/NDF:32.5/24

Right Out: -0.012+/-0.054 χ^2/NDF: 35.1/20

Left In: -0.069+/-0.075 χ^2/NDF:29.9/22

Left: -0.052+/-0.054 χ^2/NDF: 62.6/47

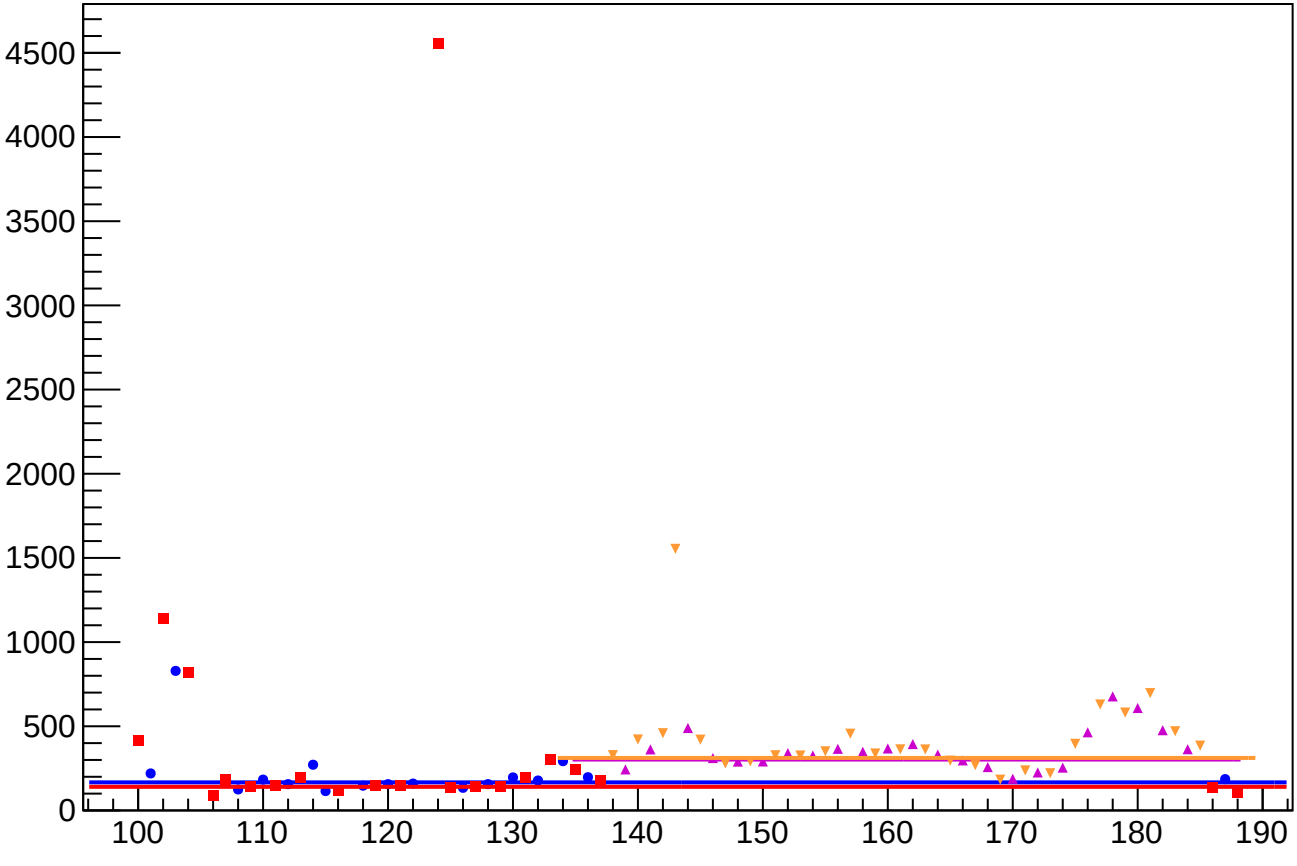
Right: -0.033+/-0.042 χ^2/NDF: 51.7/37

In: -0.065+/-0.050 χ^2/NDF:46.1/39

Out: -0.020+/-0.044 χ^2/NDF:67.7/45

All: -0.040+/-0.033 χ^2/NDF: 114.3/85

asym_atl_avg_atr_avg_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 166.806+/-0.047 χ^2/NDF: 1286680.0/16

Left Out: 311.961+/-0.054 χ^2/NDF:4350162.2/24

Right Out: 140.359+/-0.038 χ^2/NDF: 2571199.1/20

Left In: 302.375+/-0.053 χ^2/NDF:2808730.8/22

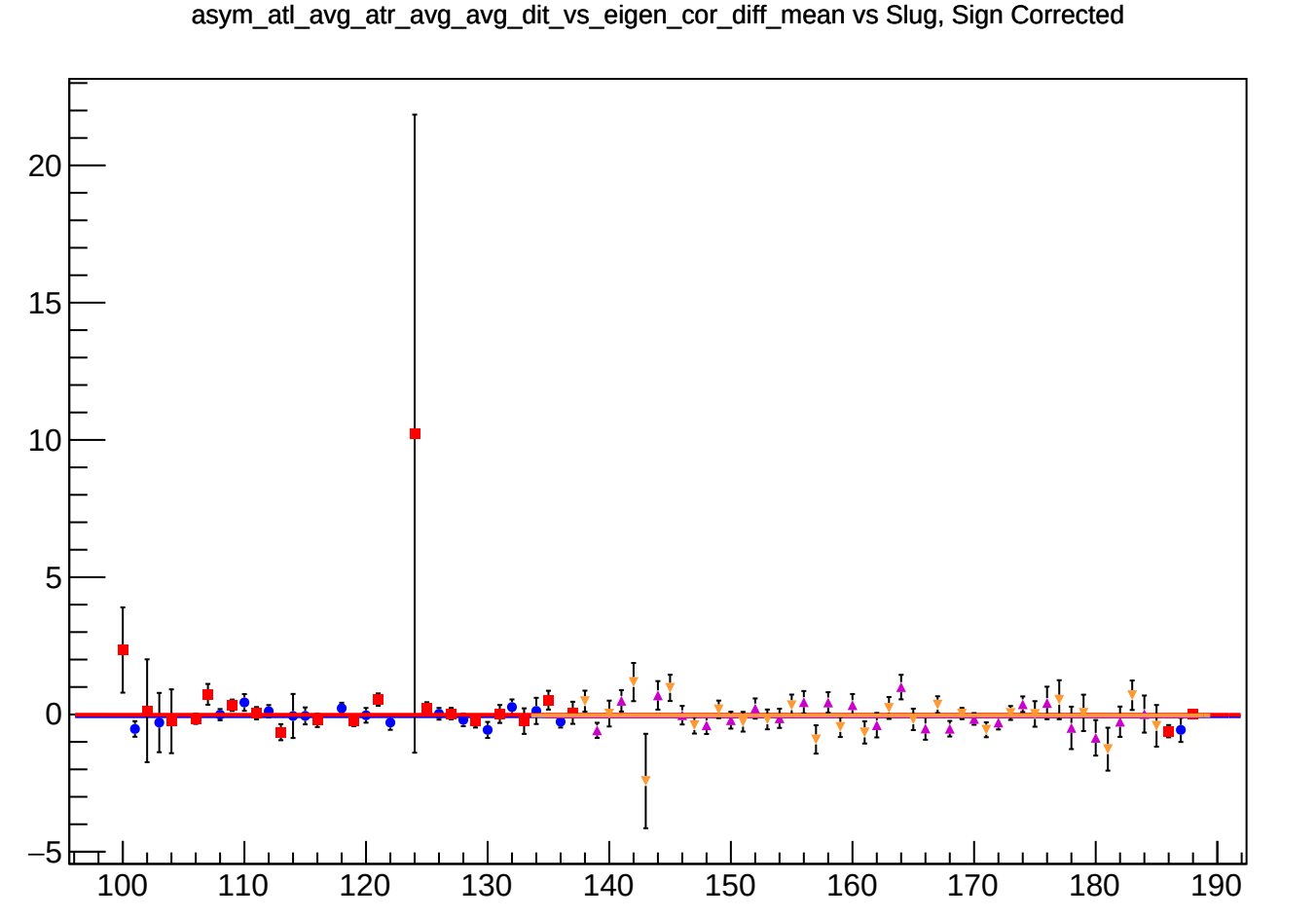
Left: 307.056+/-0.038 χ^2/NDF: 7174887.7/47

Right: 151.030+/-0.030 χ^2/NDF: 4049604.1/37

In: 226.035+/-0.035 χ^2/NDF:7785459.3/39

Out: 197.619+/-0.031 χ^2/NDF:13596519.3/45

All: 210.253+/-0.023 χ^2/NDF: 21747984.7/85



Right In: -0.063+/-0.066 χ^2/NDF: 16.2/16

Left Out: -0.035+/-0.077 χ^2/NDF:32.5/24

Right Out: -0.012+/-0.054 χ^2/NDF: 35.1/20

Left In: -0.069+/-0.075 χ^2/NDF:29.9/22

Left: -0.052+/-0.054 χ^2/NDF: 62.6/47

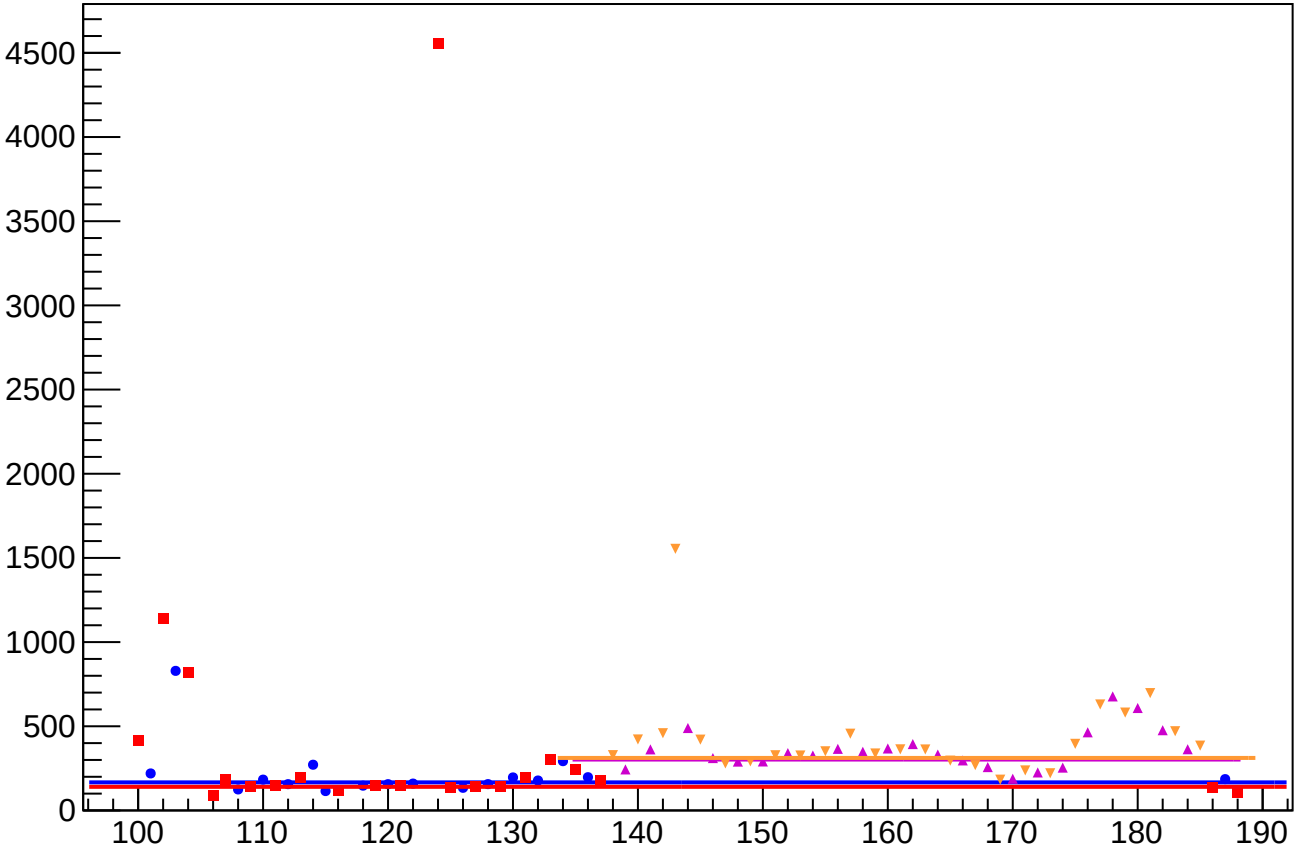
Right: -0.033+/-0.042 χ^2/NDF: 51.7/37

In: -0.065+/-0.050 χ^2/NDF:46.1/39

Out: -0.020+/-0.044 χ^2/NDF:67.7/45

All: -0.040+/-0.033 χ^2/NDF: 114.3/85

asym_atl_avg_atr_avg_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 166.806+/-0.047 χ^2/NDF: 1286680.0/16

Left Out: 311.961+/-0.054 χ^2/NDF:4350162.2/24

Right Out: 140.359+/-0.038 χ^2/NDF: 2571199.1/20

Left In: 302.375+/-0.053 χ^2/NDF:2808730.8/22

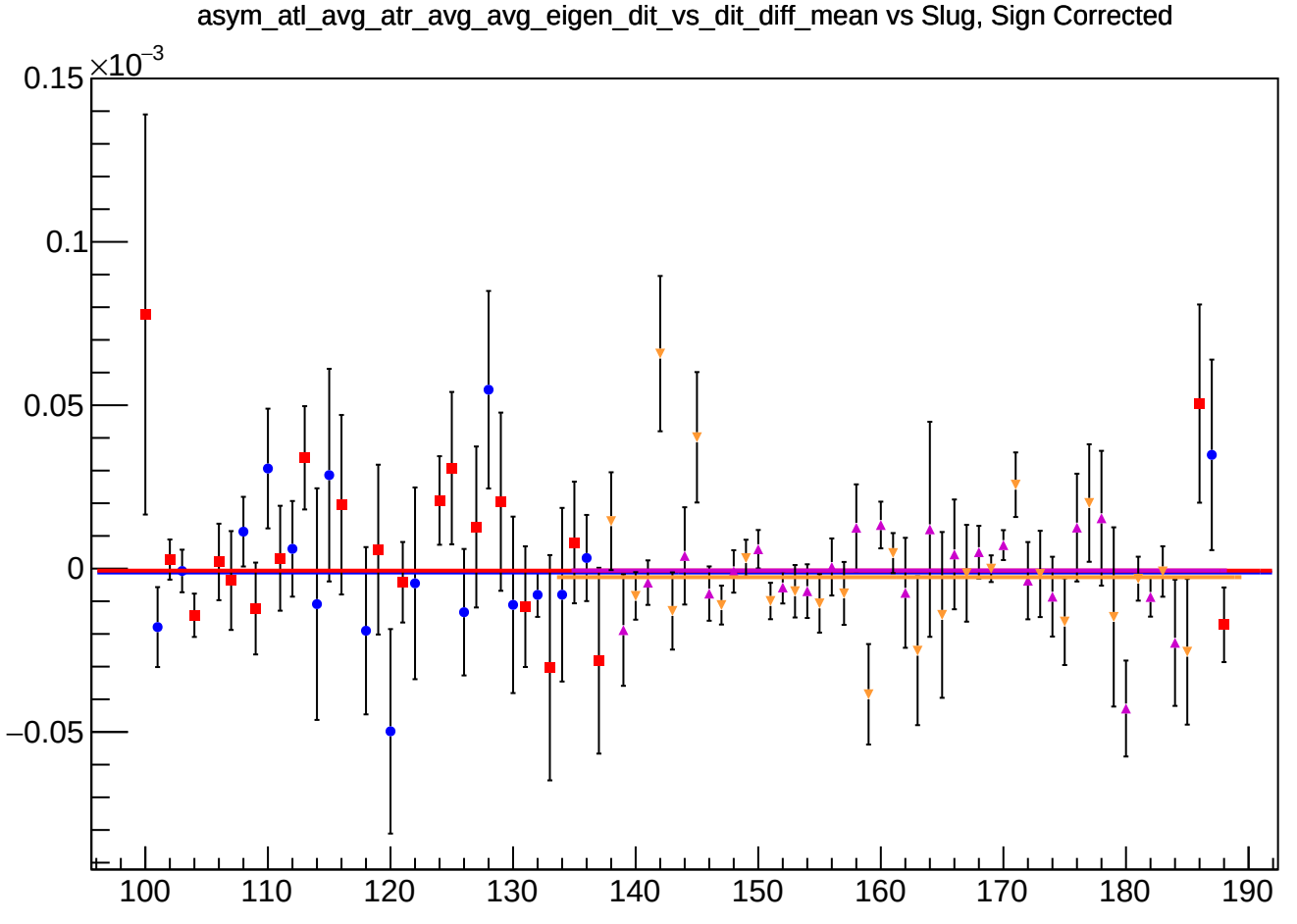
Left: 307.056+/-0.038 χ^2/NDF: 7174887.7/47

Right: 151.030+/-0.030 χ^2/NDF: 4049604.1/37

In: 226.035+/-0.035 χ^2/NDF:7785459.3/39

Out: 197.619+/-0.031 χ^2/NDF:13596519.3/45

All: 210.253+/-0.023 χ^2/NDF: 21747984.7/85



Right In: -0.000+/-0.000 χ^2/NDF: 17.0/16

Left Out: -0.000+/-0.000 χ^2/NDF:42.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 24.9/20

Left In: -0.000+/-0.000 χ^2/NDF:26.9/22

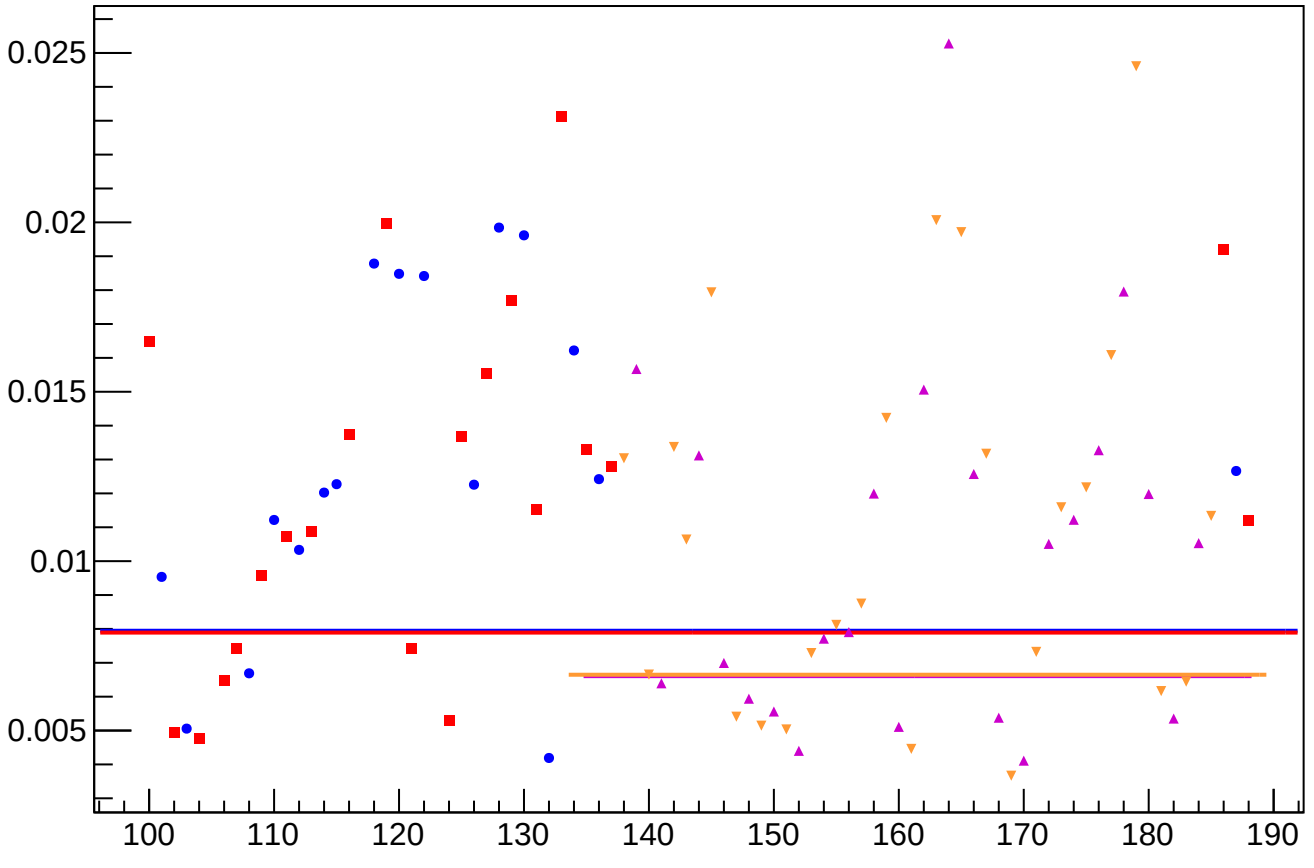
Left: -0.000+/-0.000 χ^2/NDF: 70.0/47

Right: -0.000+/-0.000 χ^2/NDF: 41.9/37

In: -0.000+/-0.000 χ^2/NDF:43.9/39

Out: -0.000+/-0.000 χ^2/NDF:67.6/45

All: -0.000+/-0.000 χ^2/NDF: 112.0/85



Right In: 0.008+/-0.000 χ^2/NDF: 3354777.9/16

Left Out: 0.007+/-0.000 χ^2/NDF:7513935.6/24

Right Out: 0.008+/-0.000 χ^2/NDF: 3448805.3/20

Left In: 0.007+/-0.000 χ^2/NDF:5855747.2/22

Left: 0.007+/-0.000 χ^2/NDF: 13370244.6/47

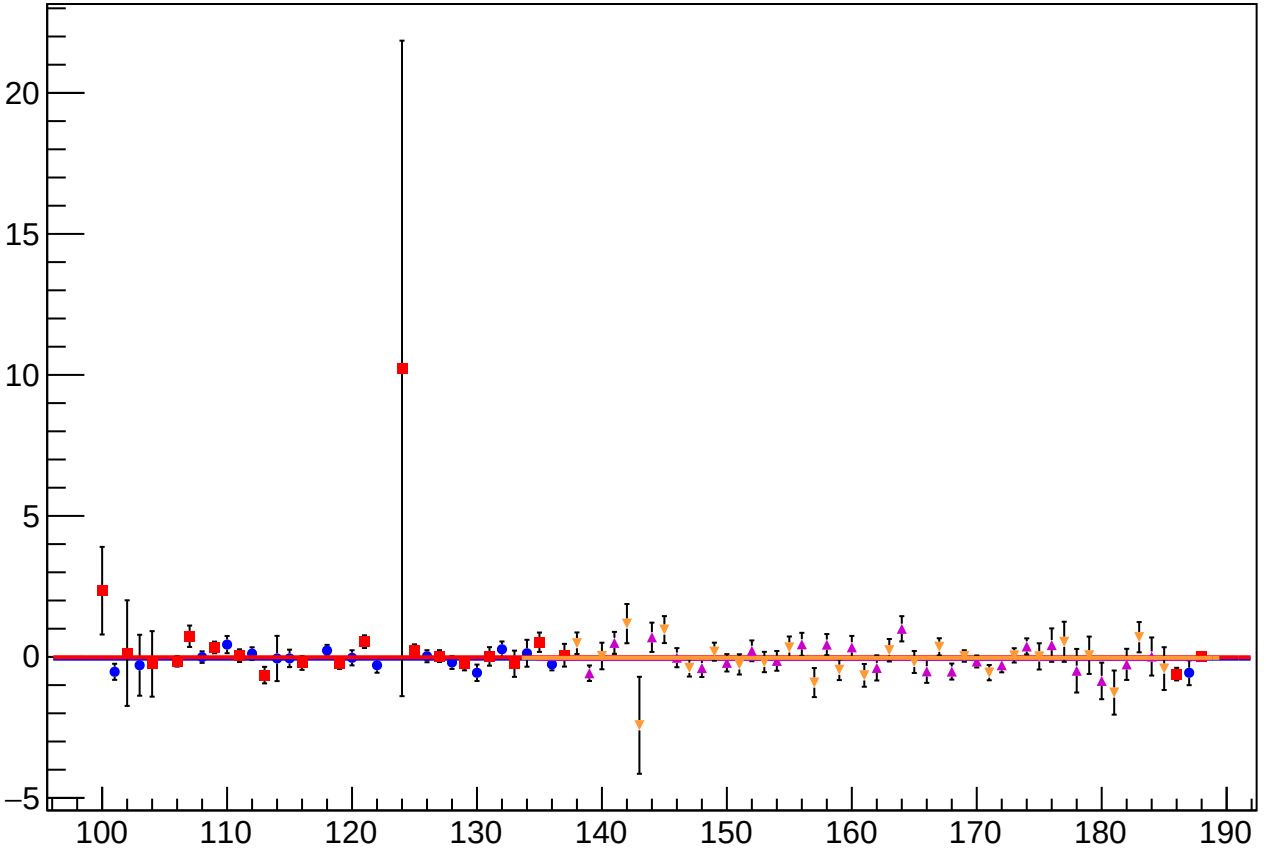
Right: 0.008+/-0.000 χ^2/NDF: 6803868.2/37

In: 0.007+/-0.000 χ^2/NDF:9457023.6/39

Out: 0.007+/-0.000 χ^2/NDF:11219072.8/45

All: 0.007+/-0.000 χ^2/NDF: 20677742.6/85

asym_atl_avg_atr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.063+/-0.066 χ^2/NDF: 16.2/16

Left Out: -0.035+/-0.077 χ^2/NDF:32.5/24

Right Out: -0.012+/-0.054 χ^2/NDF: 35.1/20

Left In: -0.069+/-0.075 χ^2/NDF:29.9/22

Left: -0.052+/-0.054 χ^2/NDF: 62.6/47

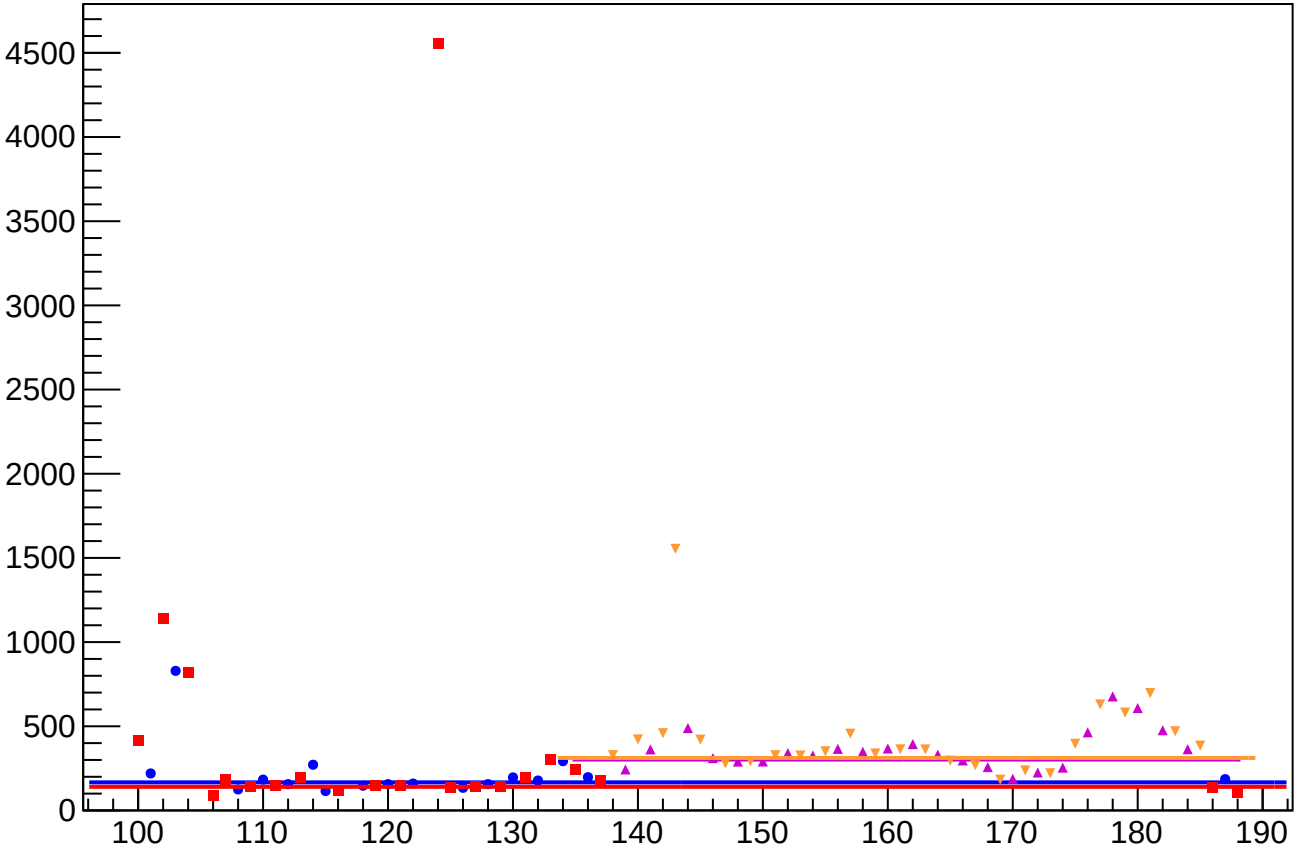
Right: -0.033+/-0.042 χ^2/NDF: 51.7/37

In: -0.065+/-0.050 χ^2/NDF:46.1/39

Out: -0.020+/-0.044 χ^2/NDF:67.7/45

All: -0.040+/-0.033 χ^2/NDF: 114.3/85

asym_atl_avg_atr_avg_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 166.805+/-0.047 χ^2/NDF: 1286676.9/16

Left Out: 311.961+/-0.054 χ^2/NDF:4350376.6/24

Right Out: 140.355+/-0.038 χ^2/NDF: 2571303.8/20

Left In: 302.377+/-0.053 χ^2/NDF:2808874.8/22

Left: 307.056+/-0.038 χ^2/NDF: 7175242.0/47

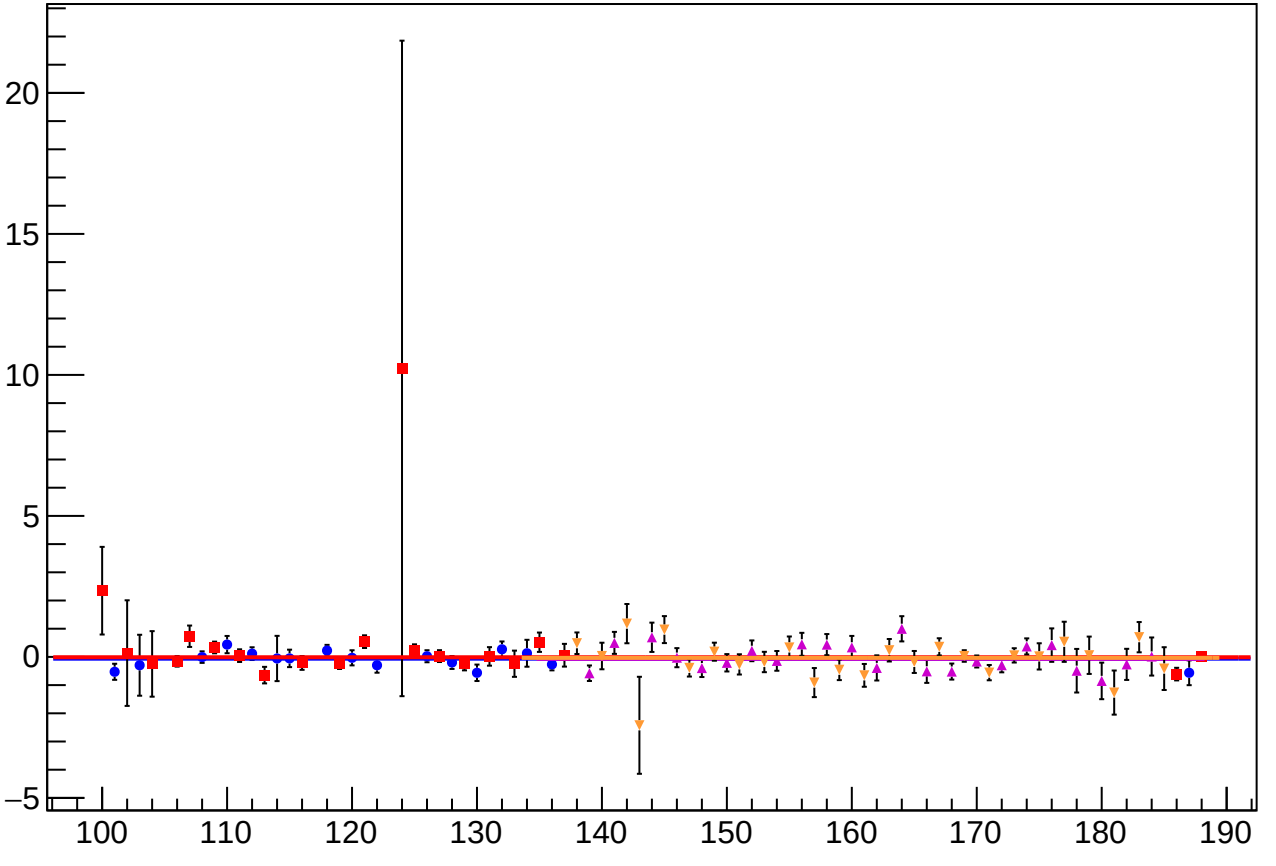
Right: 151.027+/-0.030 χ^2/NDF: 4049761.9/37

In: 226.035+/-0.035 χ^2/NDF:7785691.3/39

Out: 197.614+/-0.031 χ^2/NDF:13597250.9/45

All: 210.249+/-0.023 χ^2/NDF: 21749064.7/85

asym_atl_avg_atr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.063+/-0.066 χ^2/NDF: 16.2/16

Left Out: -0.035+/-0.077 χ^2/NDF:32.5/24

Right Out: -0.012+/-0.054 χ^2/NDF: 35.1/20

Left In: -0.069+/-0.075 χ^2/NDF:29.9/22

Left: -0.052+/-0.054 χ^2/NDF: 62.6/47

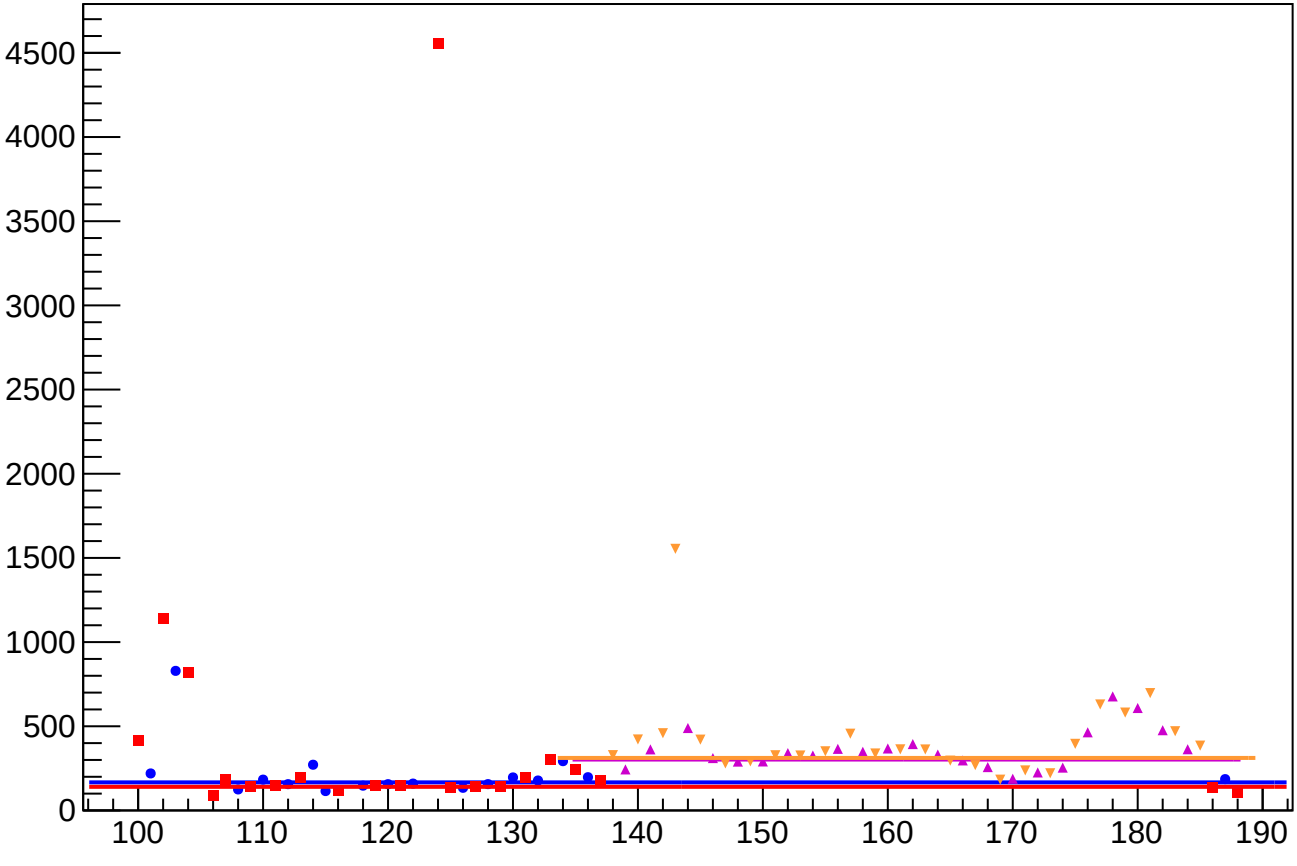
Right: -0.033+/-0.042 χ^2/NDF: 51.7/37

In: -0.065+/-0.050 χ^2/NDF:46.1/39

Out: -0.020+/-0.044 χ^2/NDF:67.7/45

All: -0.040+/-0.033 χ^2/NDF: 114.3/85

asym_atl_avg_atr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 166.805+/-0.047 χ^2/NDF: 1286676.9/16

Left Out: 311.961+/-0.054 χ^2/NDF:4350376.6/24

Right Out: 140.355+/-0.038 χ^2/NDF: 2571303.8/20

Left In: 302.377+/-0.053 χ^2/NDF:2808874.8/22

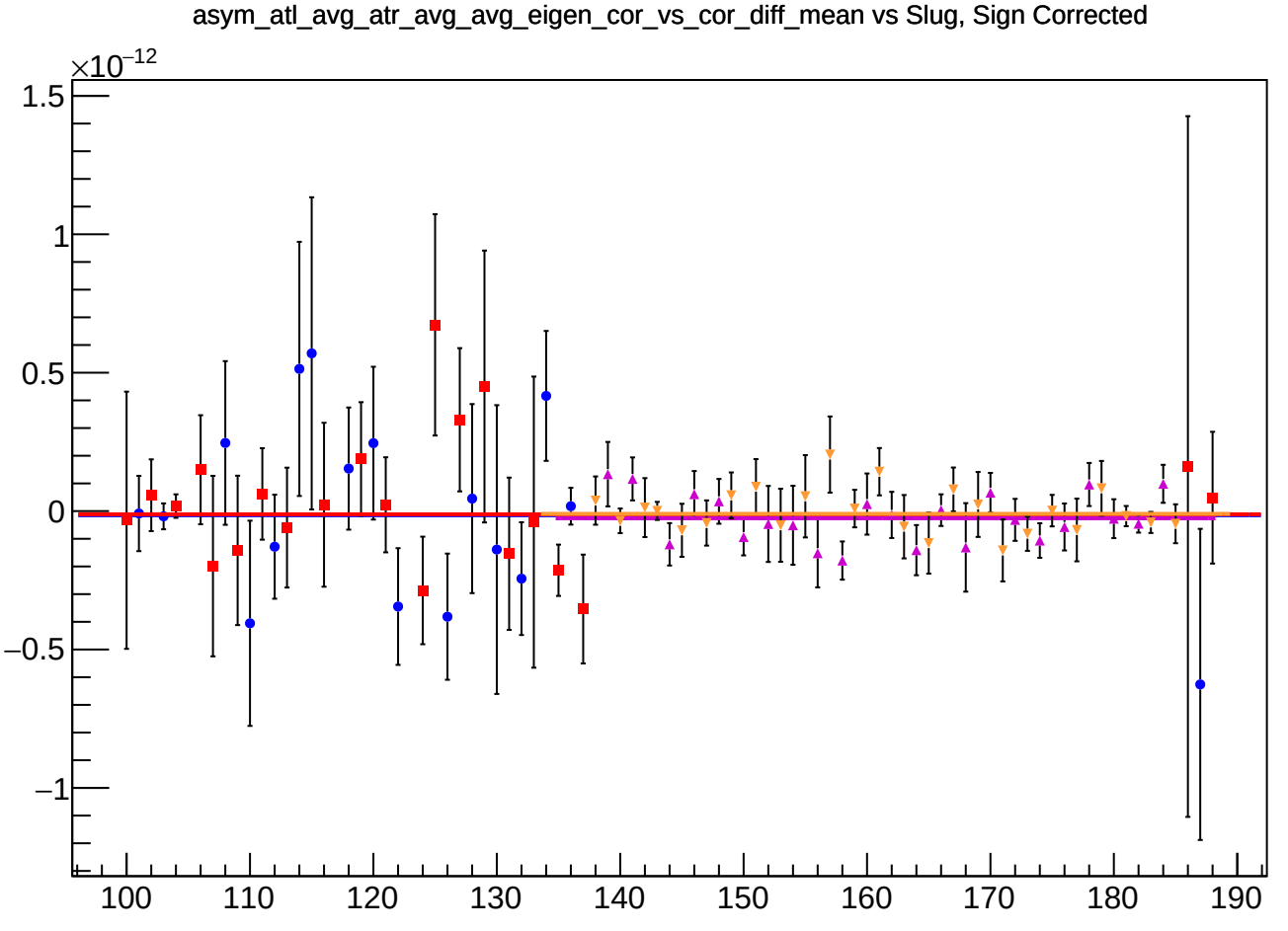
Left: 307.056+/-0.038 χ^2/NDF: 7175242.0/47

Right: 151.027+/-0.030 χ^2/NDF: 4049761.9/37

In: 226.035+/-0.035 χ^2/NDF:7785691.3/39

Out: 197.614+/-0.031 χ^2/NDF:13597250.9/45

All: 210.249+/-0.023 χ^2/NDF: 21749064.7/85



Right In: -0.000+/-0.000 χ^2/NDF: 17.3/16

Left Out: -0.000+/-0.000 χ^2/NDF:16.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 19.0/20

Left In: -0.000+/-0.000 χ^2/NDF:27.6/22

Left: -0.000+/-0.000 χ^2/NDF: 44.4/47

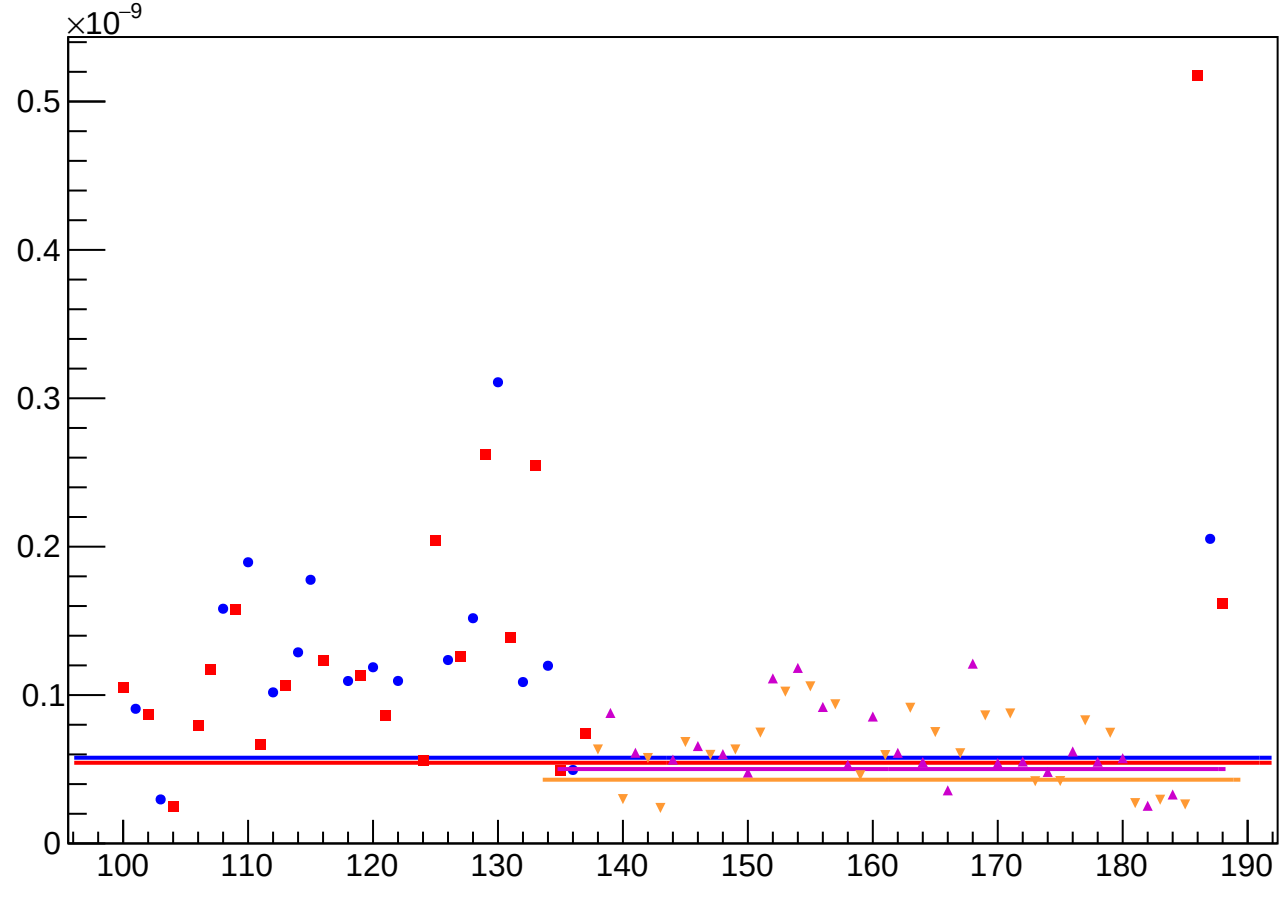
Right: -0.000+/-0.000 χ^2/NDF: 36.3/37

In: -0.000+/-0.000 χ^2/NDF:45.0/39

Out: -0.000+/-0.000 χ^2/NDF:35.1/45

All: -0.000+/-0.000 χ^2/NDF: 80.7/85

asym_atl_avg_atr_avg_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3121373.5/16

Left Out: 0.000+/-0.000 χ^2/NDF:5074676.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3969899.4/20

Left In: 0.000+/-0.000 χ^2/NDF:3611362.7/22

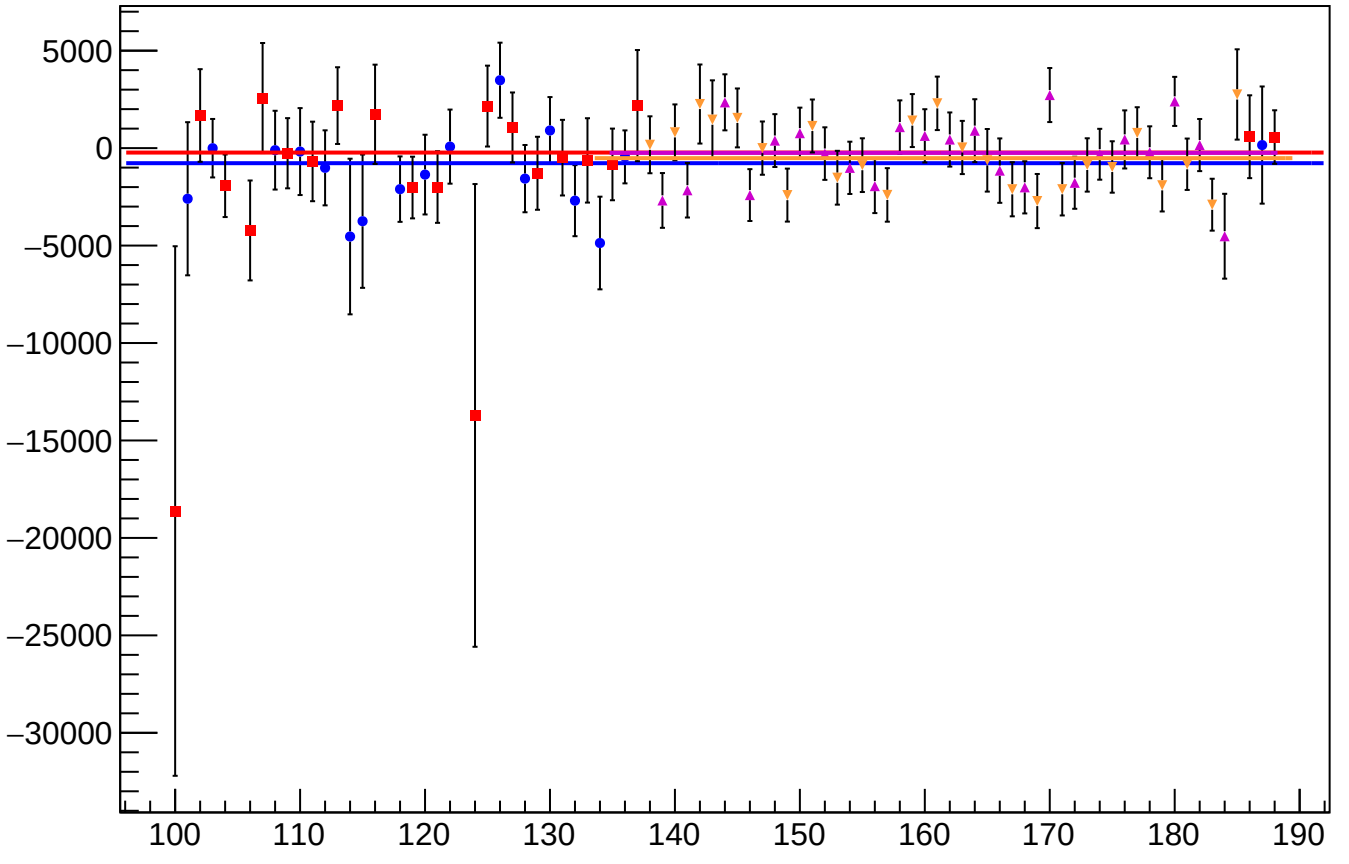
Left: 0.000+/-0.000 χ^2/NDF: 8935509.5/47

Right: 0.000+/-0.000 χ^2/NDF: 7102482.0/37

In: 0.000+/-0.000 χ^2/NDF:6821620.8/39

Out: 0.000+/-0.000 χ^2/NDF:9270059.8/45

All: 0.000+/-0.000 χ^2/NDF: 16356182.9/85



Right In: -772.835+/-481.168 χ^2/NDF: 13.5/16

Left Out: -514.484+/-285.945 χ^2/NDF:30.9/24

Right Out: -228.188+/-447.782 χ^2/NDF: 16.2/20

Left In: -242.686+/-291.166 χ^2/NDF:32.0/22

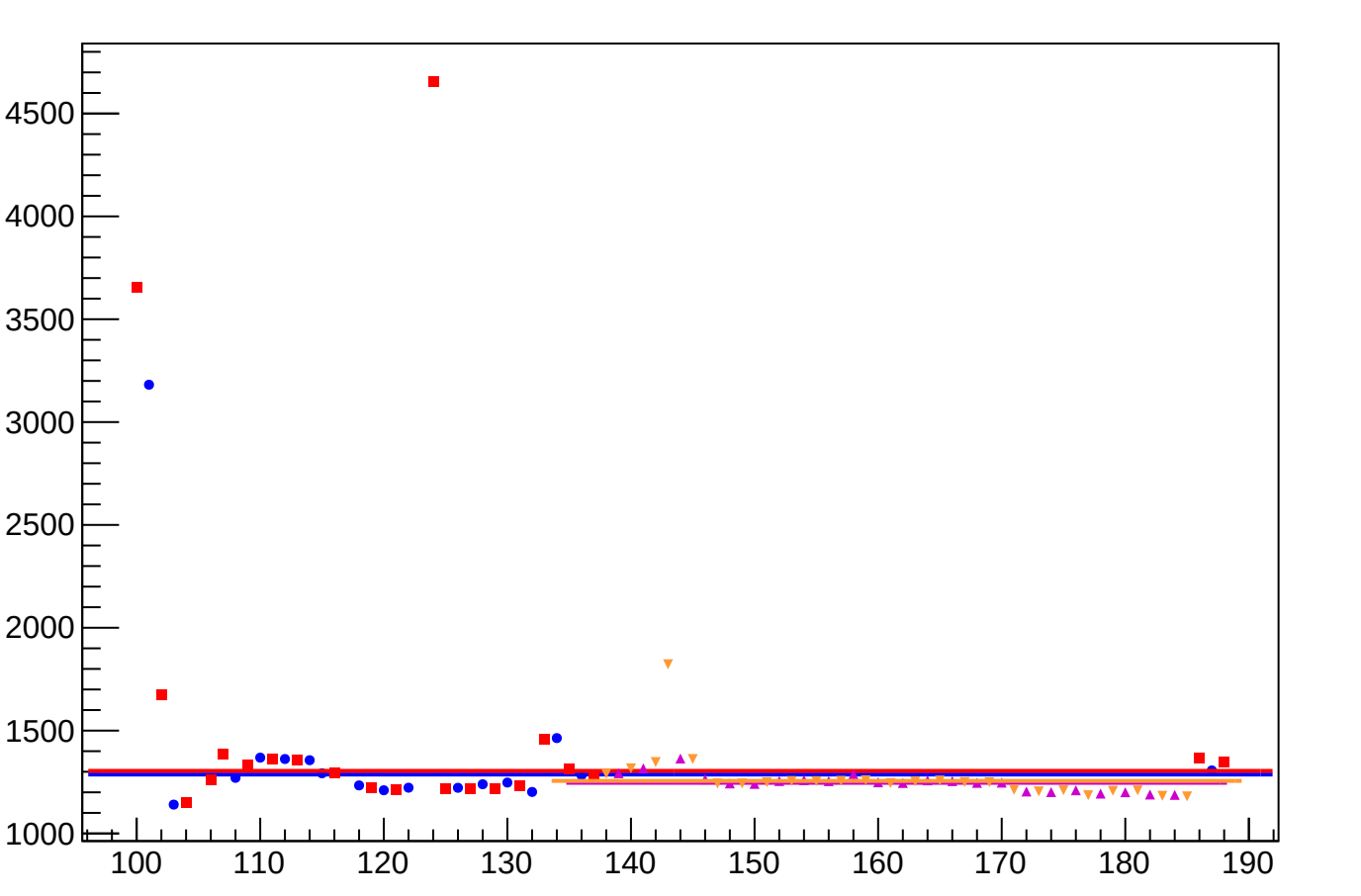
Left: -381.044+/-204.014 χ^2/NDF: 63.4/47

Right: -480.963+/-327.797 χ^2/NDF: 30.4/37

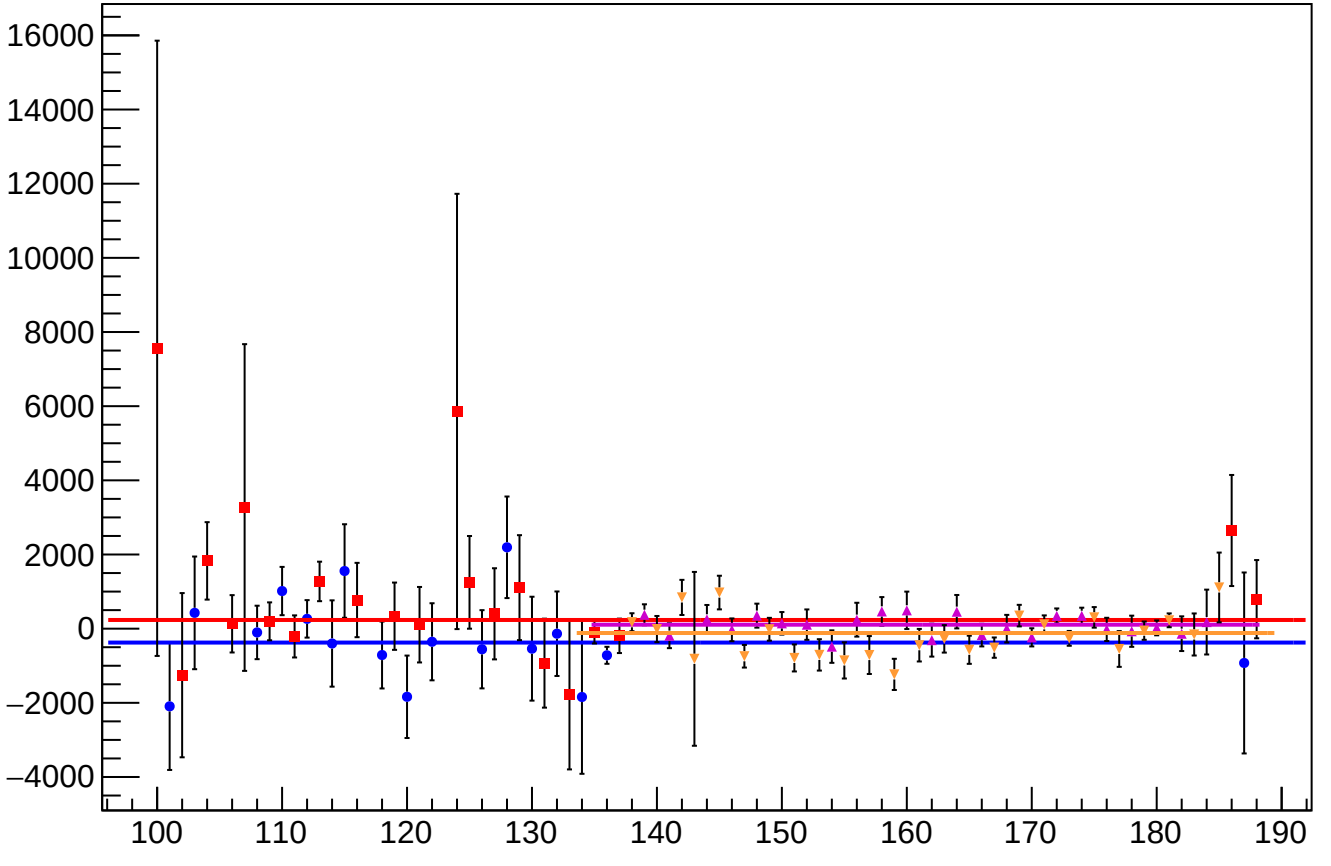
In: -384.781+/-249.108 χ^2/NDF:46.4/39

Out: -431.555+/-240.998 χ^2/NDF:47.4/45

All: -408.942+/-173.208 χ^2/NDF: 93.8/85


reg_asym_atl_avg_atr_avg_dd_rms vs Slug, Sign Corrected
4500
4000
3500
3000
2500
2000
1500
1000
100
110
120
130
140
150
160
170
180
190
Right In: 1286.619+/-0.340 χ²/NDF: 518216.2/16
Left Out: 1255.514+/-0.202 χ²/NDF:203124.1/24
Right Out: 1304.326+/-0.317 χ²/NDF: 332177.9/20
Left In: 1246.355+/-0.206 χ²/NDF:39857.0/22
Left: 1251.017+/-0.144 χ²/NDF: 243988.6/47
Right: 1296.108+/-0.232 χ²/NDF: 851845.7/37
In: 1257.146+/-0.176 χ²/NDF:568324.3/39
Out: 1269.653+/-0.170 χ²/NDF:552183.9/45
All: 1263.607+/-0.122 χ²/NDF: 1123112.2/85

asym_atl_avg_atr_avg_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: -374.939+/-167.806 χ^2/NDF: 18.2/16

Left Out: -117.028+/-65.059 χ^2/NDF:48.4/24

Right Out: 234.361+/-166.390 χ^2/NDF: 17.6/20

Left In: 107.341+/-67.001 χ^2/NDF:13.7/22

Left: -8.142+/-46.675 χ^2/NDF: 67.9/47

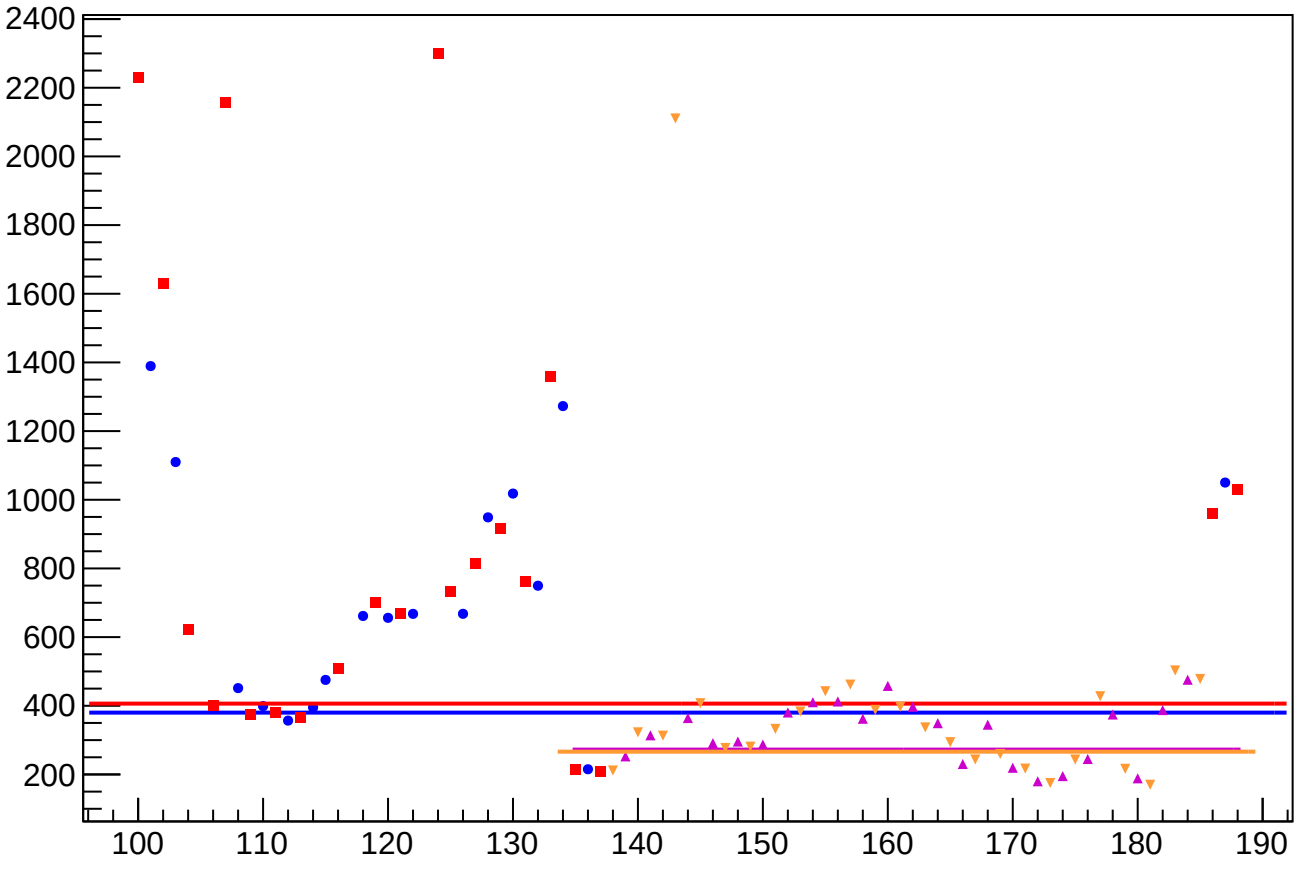
Right: -67.708+/-118.153 χ^2/NDF: 42.4/37

In: 41.027+/-62.224 χ^2/NDF:39.1/39

Out: -70.431+/-60.592 χ^2/NDF:69.9/45

All: -16.183+/-43.411 χ^2/NDF: 110.6/85

asym_atl_avg_atr_avg_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 380.076+/-0.119 χ^2/NDF: 4341702.4/16

Left Out: 266.321+/-0.046 χ^2/NDF:4630130.4/24

Right Out: 406.287+/-0.118 χ^2/NDF: 5063951.0/20

Left In: 272.368+/-0.047 χ^2/NDF:2887823.5/22

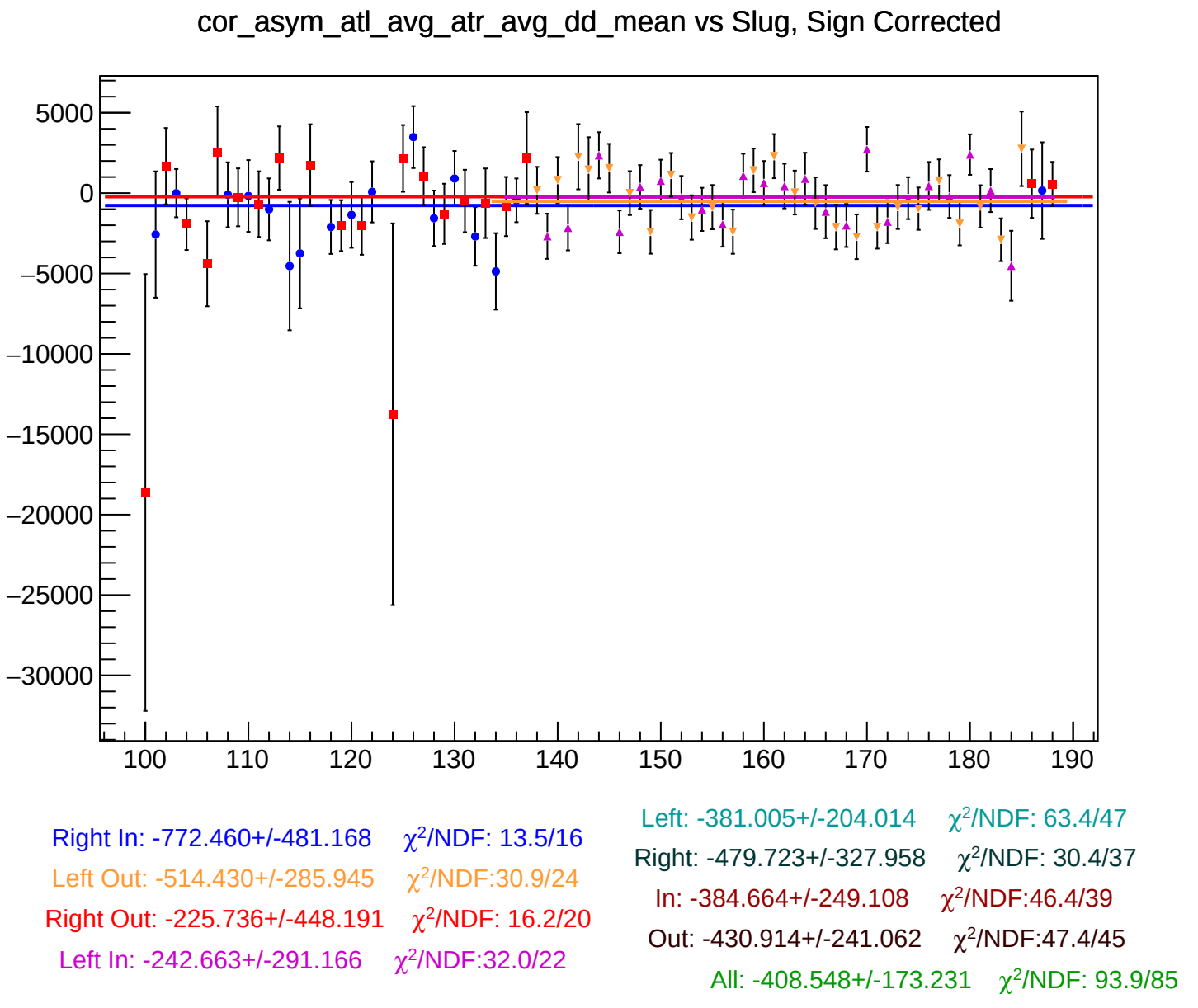
Left: 269.255+/-0.033 χ^2/NDF: 7526339.3/47

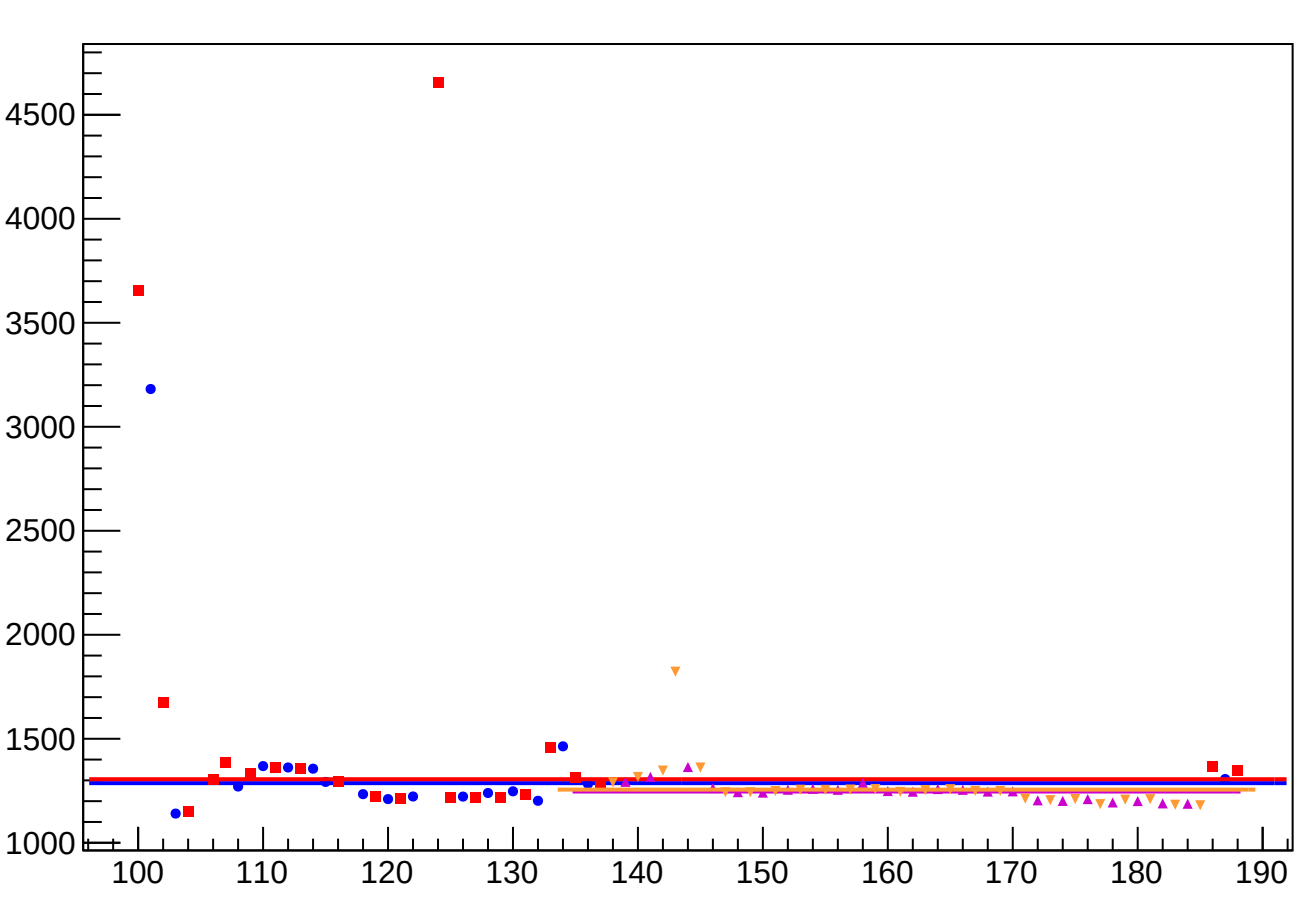
Right: 393.293+/-0.084 χ^2/NDF: 9430258.4/37

In: 287.178+/-0.044 χ^2/NDF:7940207.0/39

Out: 284.882+/-0.043 χ^2/NDF:10921633.7/45

All: 285.999+/-0.031 χ^2/NDF: 18863238.7/85


cor_asym_atl_avg_atr_avg_dd_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
−30000
100
110
120
130
140
150
160
170
180
190
Right In: -772.460+/-481.168 χ²/NDF: 13.5/16
Left Out: -514.430+/-285.945 χ²/NDF:30.9/24
Right Out: -225.736+/-448.191 χ²/NDF: 16.2/20
Left In: -242.663+/-291.166 χ²/NDF:32.0/22
Left: -381.005+/-204.014 χ²/NDF: 63.4/47
Right: -479.723+/-327.958 χ²/NDF: 30.4/37
In: -384.664+/-249.108 χ²/NDF:46.4/39
Out: -430.914+/-241.062 χ²/NDF:47.4/45
All: -408.548+/-173.231 χ²/NDF: 93.9/85



Right In: 1286.618+/-0.340 χ^2/NDF: 518217.7/16

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.0/24

Right Out: 1305.574+/-0.317 χ^2/NDF: 331644.9/20

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

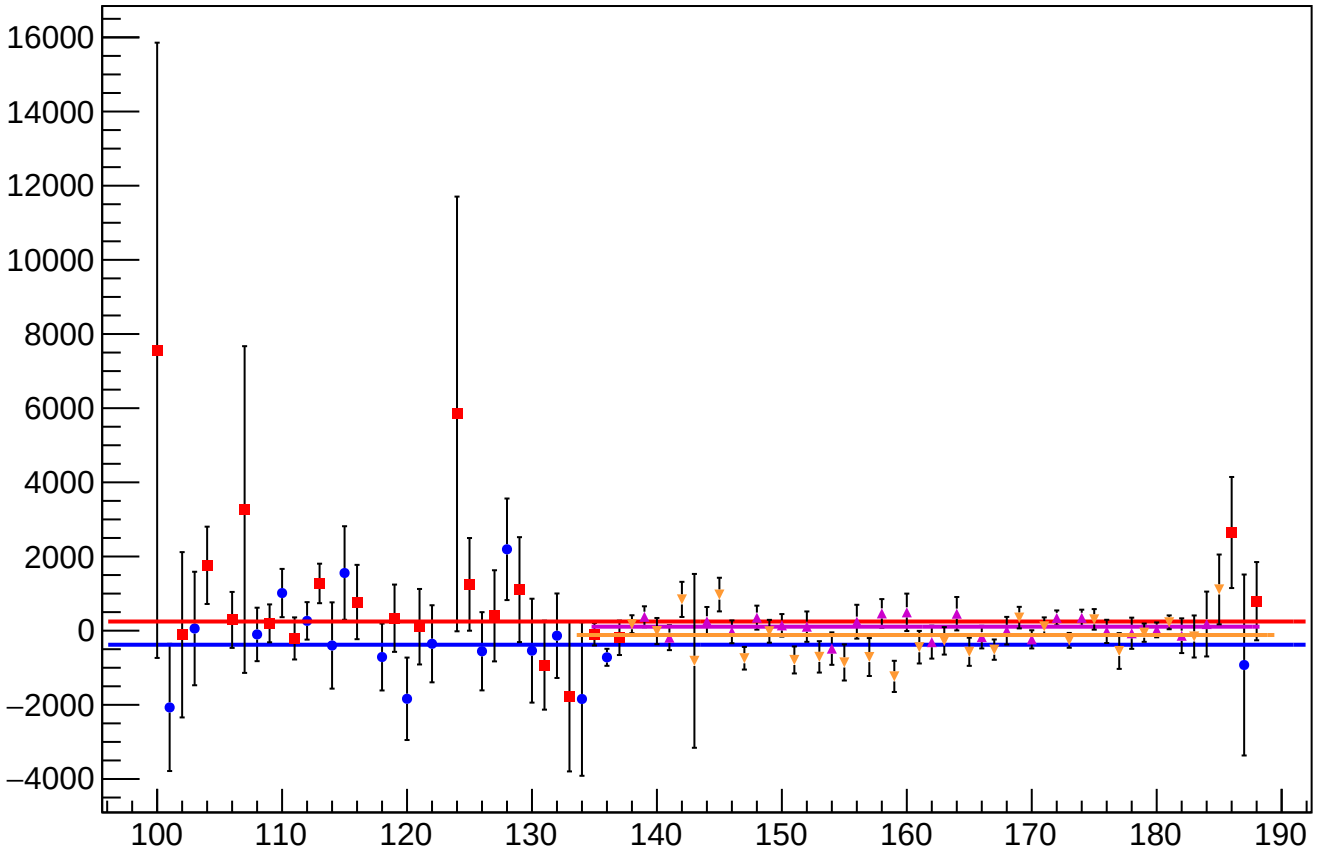
Left: 1251.017+/-0.144 χ^2/NDF: 243988.6/47

Right: 1296.768+/-0.232 χ^2/NDF: 851524.6/37

In: 1257.146+/-0.176 χ^2/NDF:568325.6/39

Out: 1269.996+/-0.170 χ^2/NDF:552501.9/45

All: 1263.782+/-0.122 χ^2/NDF: 1123575.5/85



Right In: -379.368+/-167.825 χ^2/NDF: 18.0/16

Left Out: -117.002+/-65.060 χ^2/NDF:48.4/24

Right Out: 246.976+/-166.203 χ^2/NDF: 17.0/20

Left In: 107.459+/-67.003 χ^2/NDF:13.7/22

Left: -8.072+/-46.676 χ^2/NDF: 68.0/47

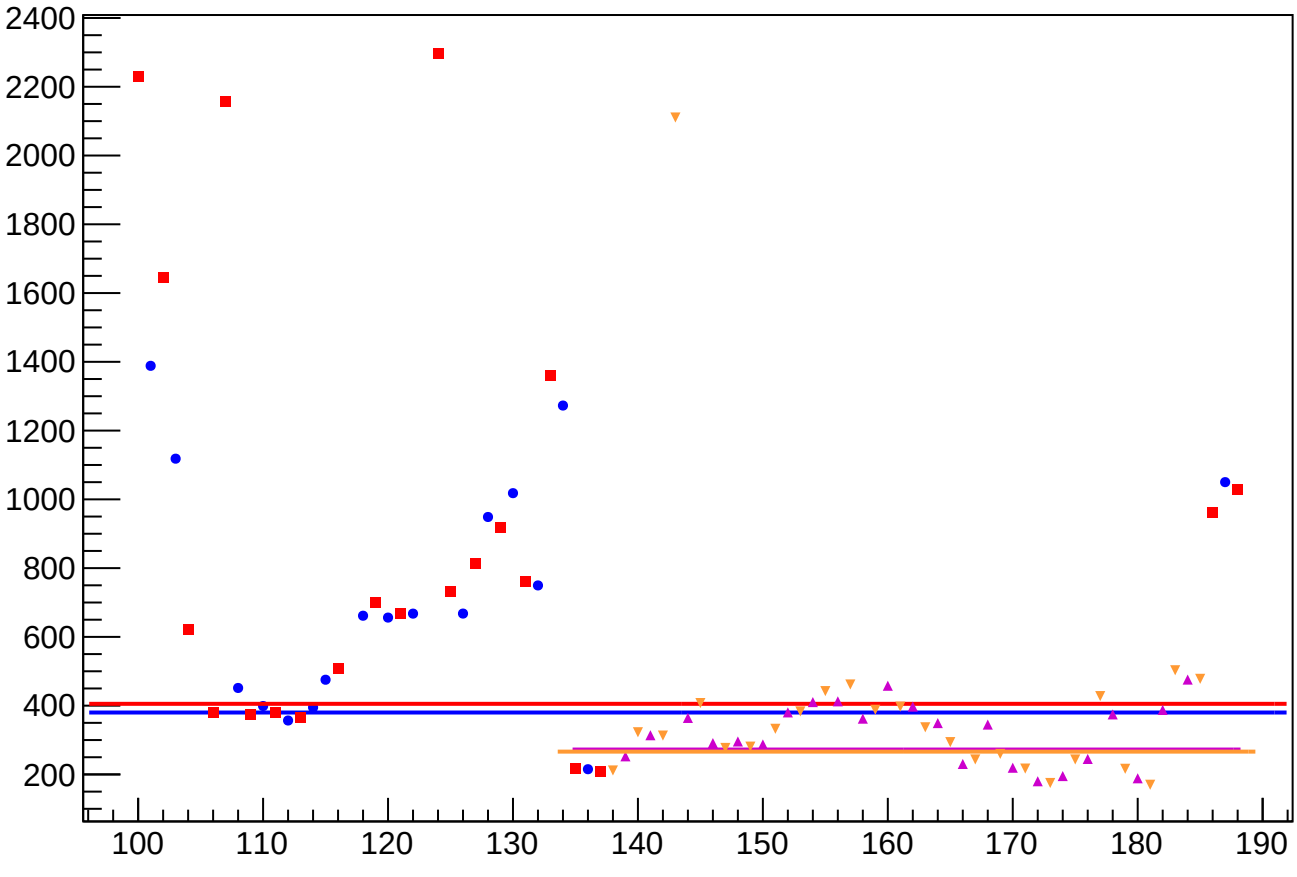
Right: -63.154+/-118.092 χ^2/NDF: 42.0/37

In: 40.530+/-62.227 χ^2/NDF:39.0/39

Out: -68.639+/-60.584 χ^2/NDF:69.6/45

All: -15.515+/-43.408 χ^2/NDF: 110.1/85

asym_atl_avg_atr_avg_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 380.068+/-0.119 χ^2/NDF: 4344840.6/16

Left Out: 266.326+/-0.046 χ^2/NDF:4630167.4/24

Right Out: 405.332+/-0.118 χ^2/NDF: 5072546.9/20

Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

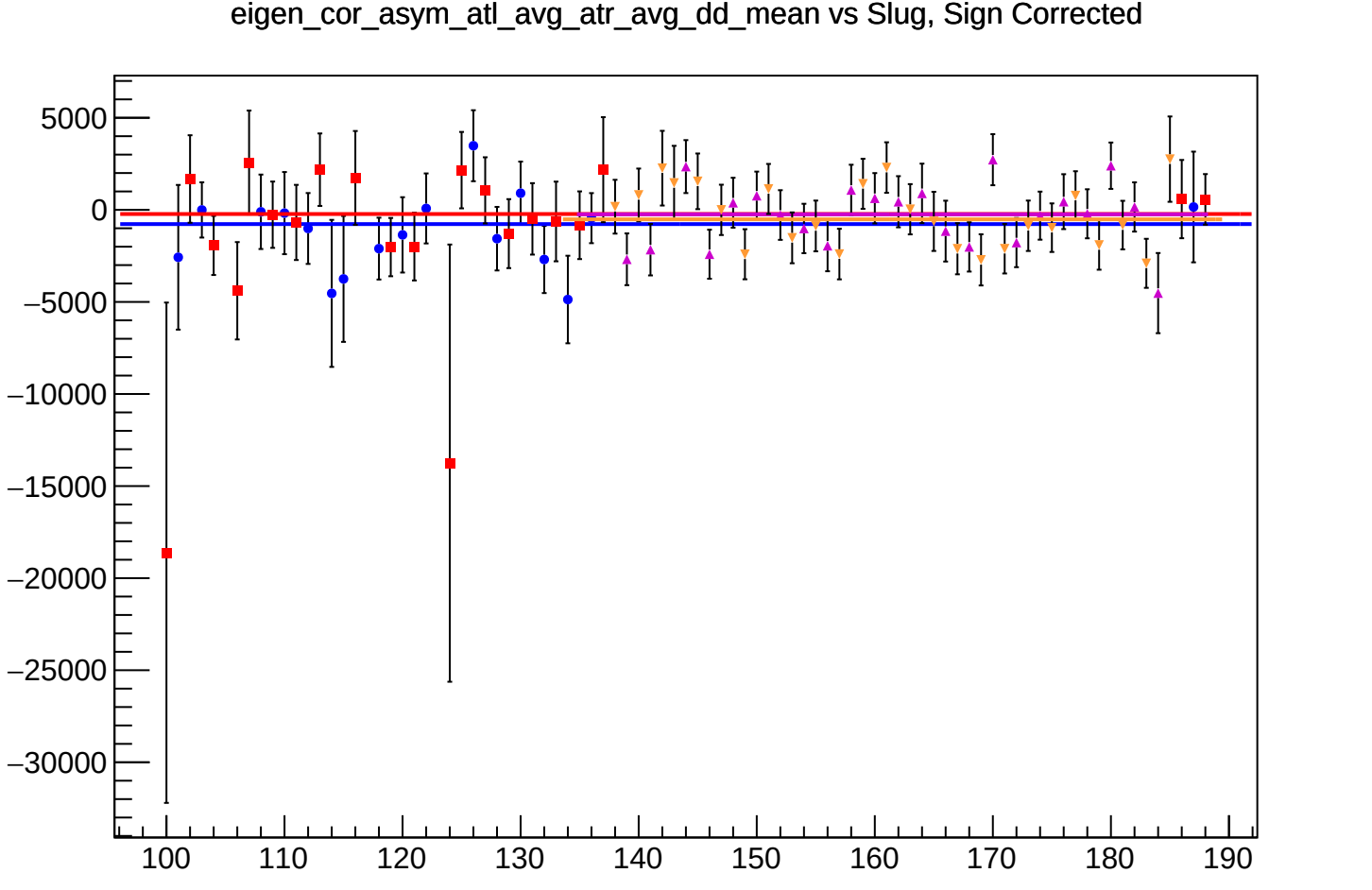
Left: 269.263+/-0.033 χ^2/NDF: 7526161.0/47

Right: 392.823+/-0.084 χ^2/NDF: 9440268.9/37

In: 287.183+/-0.044 χ^2/NDF:7942738.5/39

Out: 284.797+/-0.043 χ^2/NDF:10915829.6/45

All: 285.958+/-0.031 χ^2/NDF: 18860078.2/85



Right In: -772.460+/-481.168 χ^2/NDF: 13.5/16

Left Out: -514.430+/-285.945 χ^2/NDF:30.9/24

Right Out: -225.736+/-448.191 χ^2/NDF: 16.2/20

Left In: -242.663+/-291.166 χ^2/NDF:32.0/22

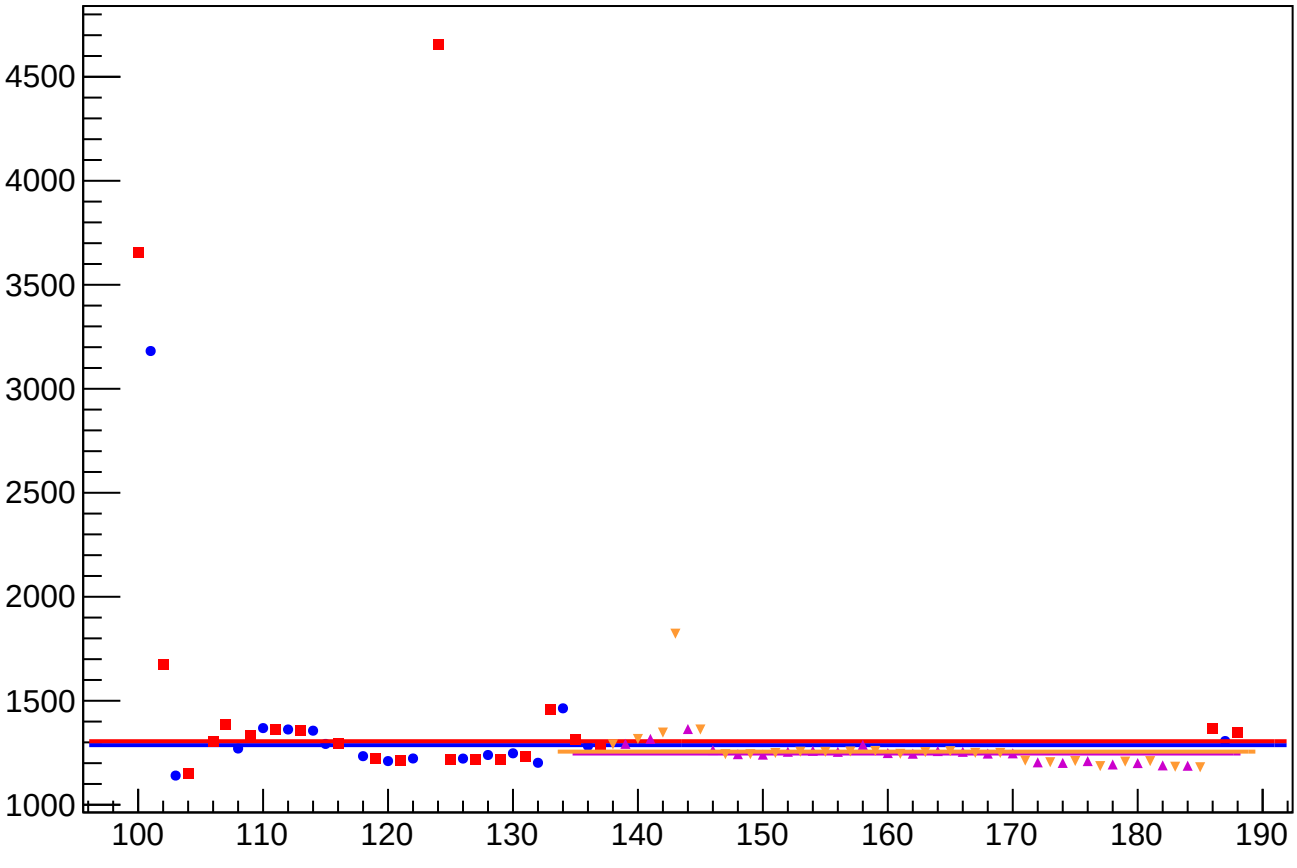
Left: -381.005+/-204.014 χ^2/NDF: 63.4/47

Right: -479.723+/-327.958 χ^2/NDF: 30.4/37

In: -384.664+/-249.108 χ^2/NDF:46.4/39

Out: -430.914+/-241.062 χ^2/NDF:47.4/45

All: -408.548+/-173.231 χ^2/NDF: 93.9/85



Right In: 1286.618+/-0.340 χ^2/NDF: 518217.7/16

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.0/24

Right Out: 1305.574+/-0.317 χ^2/NDF: 331644.9/20

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

Left: 1251.017+/-0.144 χ^2/NDF: 243988.6/47

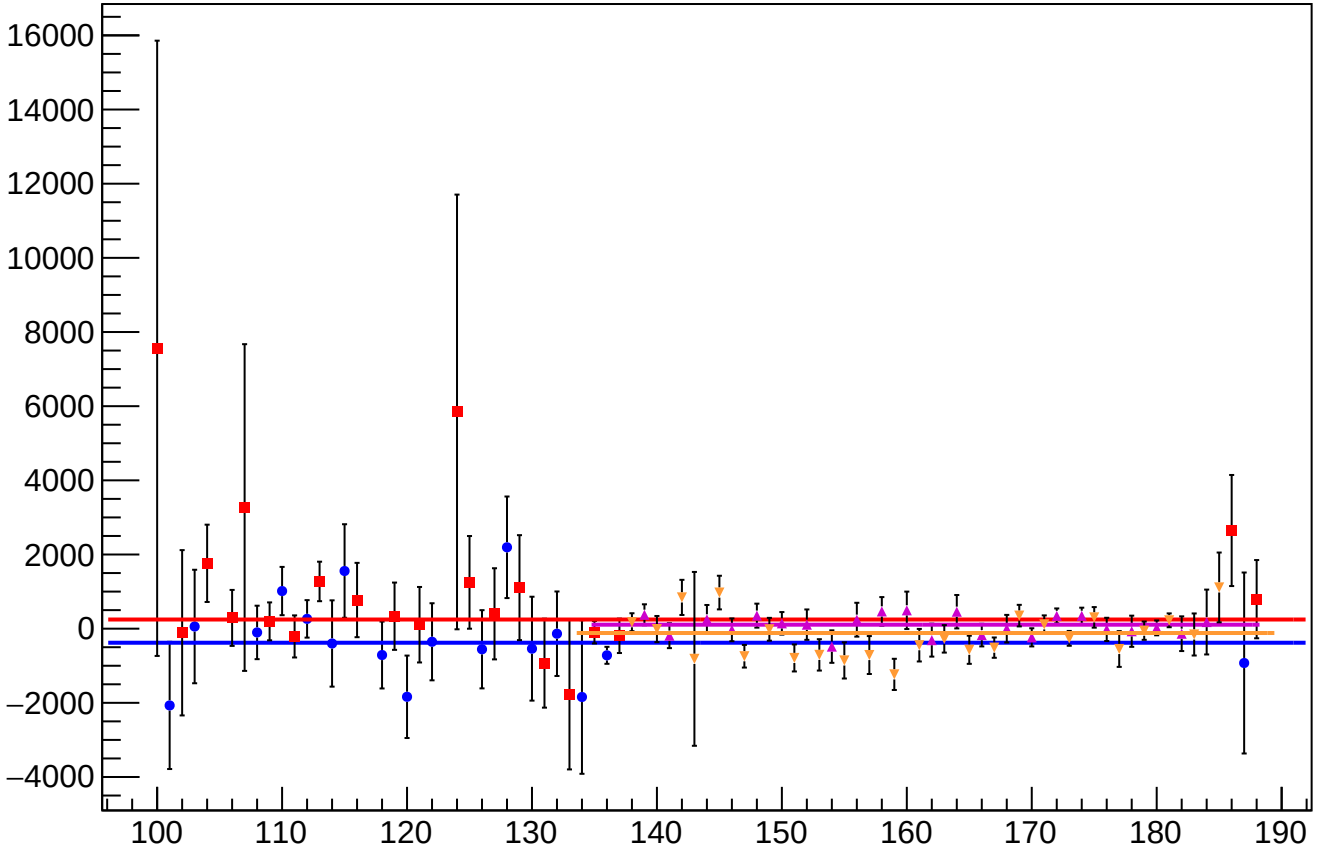
Right: 1296.768+/-0.232 χ^2/NDF: 851524.6/37

In: 1257.146+/-0.176 χ^2/NDF:568325.6/39

Out: 1269.996+/-0.170 χ^2/NDF:552501.9/45

All: 1263.782+/-0.122 χ^2/NDF: 1123575.5/85

asym_atl_avg_atr_avg_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -379.368+/-167.825 χ^2/NDF: 18.0/16

Left Out: -117.002+/-65.060 χ^2/NDF:48.4/24

Right Out: 246.976+/-166.203 χ^2/NDF: 17.0/20

Left In: 107.459+/-67.003 χ^2/NDF:13.7/22

Left: -8.072+/-46.676 χ^2/NDF: 68.0/47

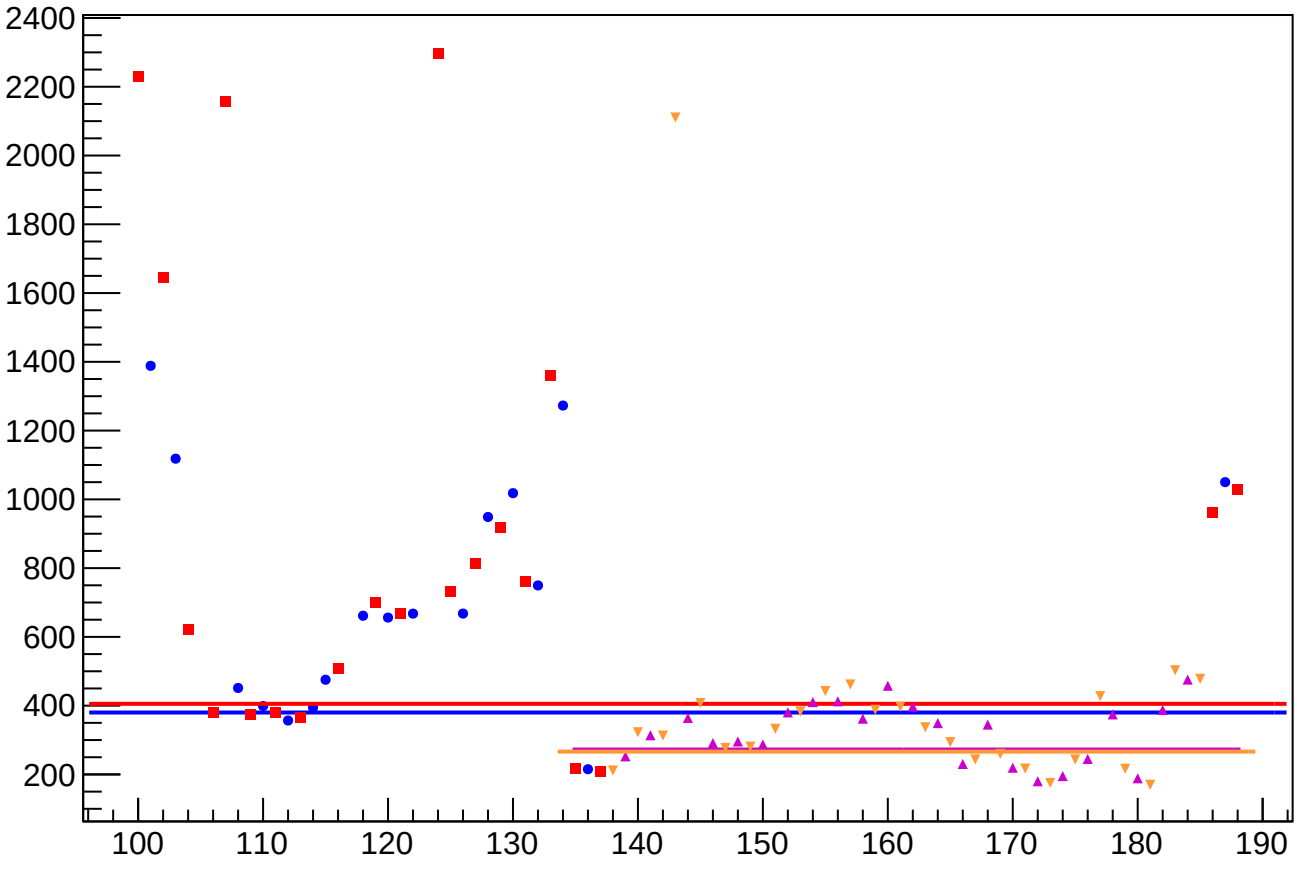
Right: -63.154+/-118.092 χ^2/NDF: 42.0/37

In: 40.530+/-62.227 χ^2/NDF:39.0/39

Out: -68.639+/-60.584 χ^2/NDF:69.6/45

All: -15.515+/-43.408 χ^2/NDF: 110.1/85

asym_atl_avg_atr_avg_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 380.068+/-0.119 χ^2/NDF: 4344840.6/16

Left Out: 266.326+/-0.046 χ^2/NDF:4630167.4/24

Right Out: 405.332+/-0.118 χ^2/NDF: 5072546.9/20

Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

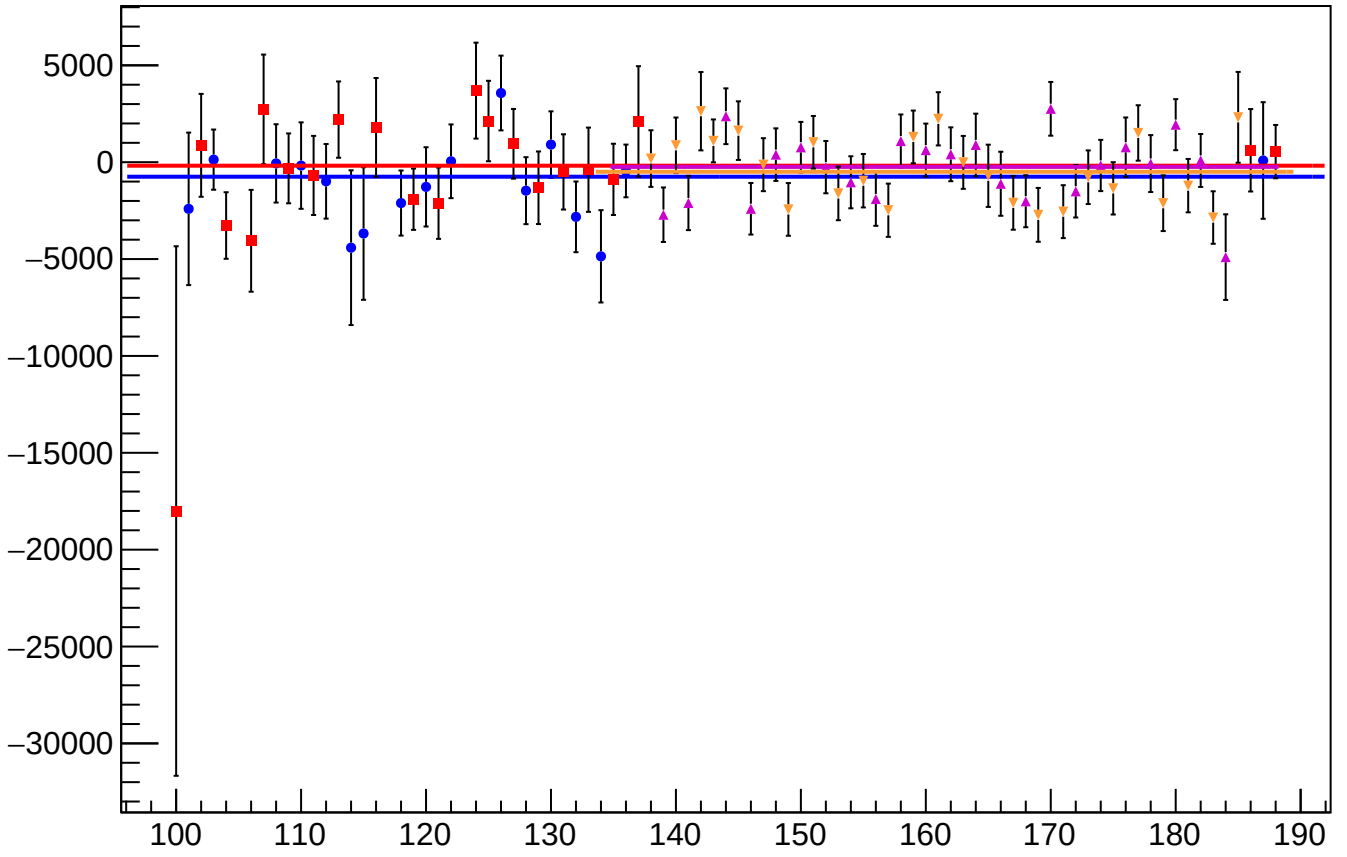
Left: 269.263+/-0.033 χ^2/NDF: 7526161.0/47

Right: 392.823+/-0.084 χ^2/NDF: 9440268.9/37

In: 287.183+/-0.044 χ^2/NDF:7942738.5/39

Out: 284.797+/-0.043 χ^2/NDF:10915829.6/45

All: 285.958+/-0.031 χ^2/NDF: 18860078.2/85



Right In: -749.322+/-483.249 χ^2/NDF: 13.7/16

Left Out: -493.436+/-282.734 χ^2/NDF:34.2/24

Right Out: -180.946+/-445.342 χ^2/NDF: 18.4/20

Left In: -242.004+/-294.339 χ^2/NDF:30.7/22

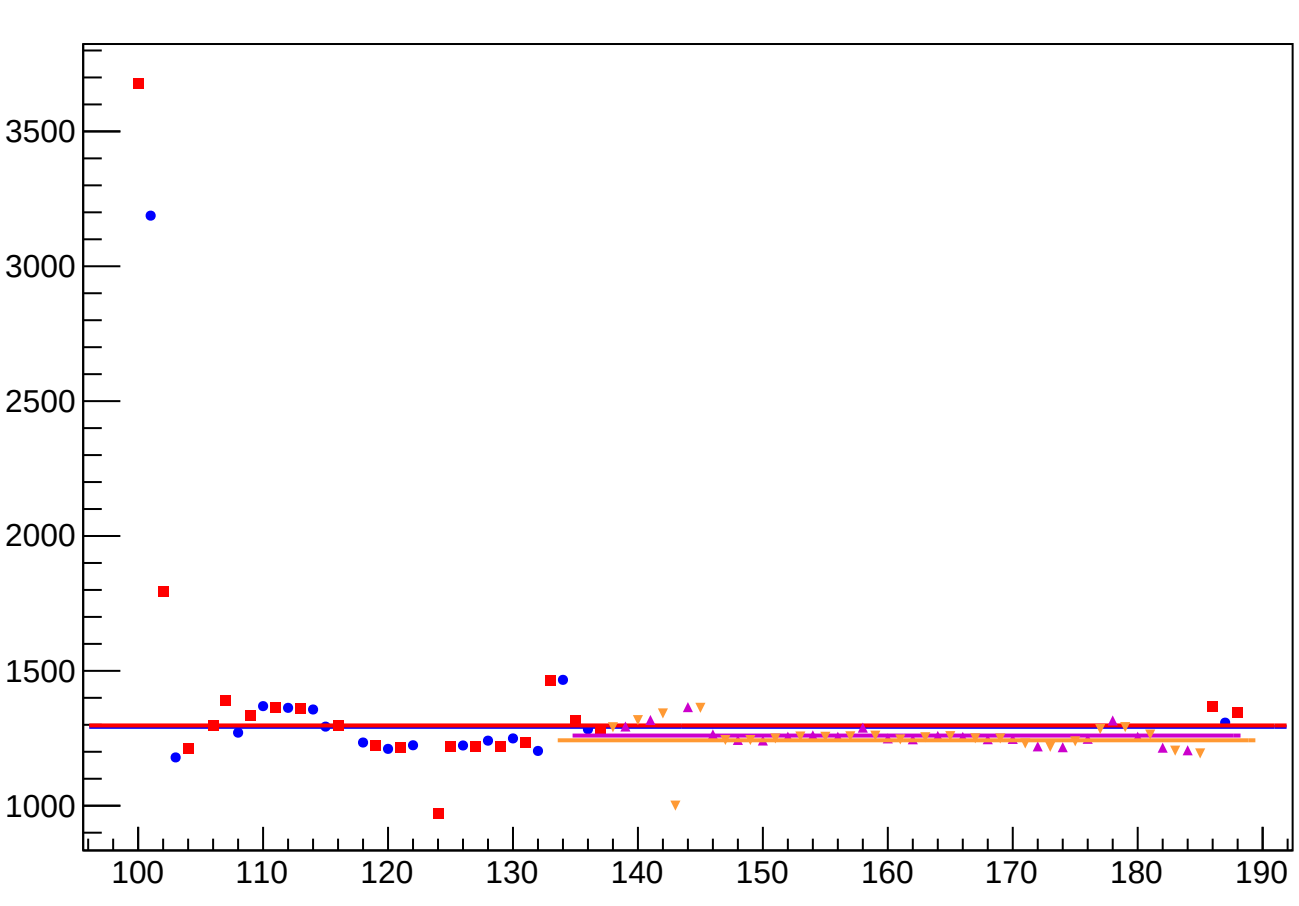
Left: -372.774+/-203.903 χ^2/NDF: 65.3/47

Right: -441.970+/-327.487 χ^2/NDF: 32.9/37

In: -379.282+/-251.381 χ^2/NDF:45.2/39

Out: -403.666+/-238.693 χ^2/NDF:53.0/45

All: -392.105+/-173.093 χ^2/NDF: 98.2/85



Right In: 1292.449+/-0.342 χ^2/NDF: 509461.0/16

Left Out: 1242.539+/-0.200 χ^2/NDF:130023.1/24

Right Out: 1297.624+/-0.315 χ^2/NDF: 214720.2/20

Left In: 1260.094+/-0.208 χ^2/NDF:27932.1/22

Left: 1250.964+/-0.144 χ^2/NDF: 161655.2/47

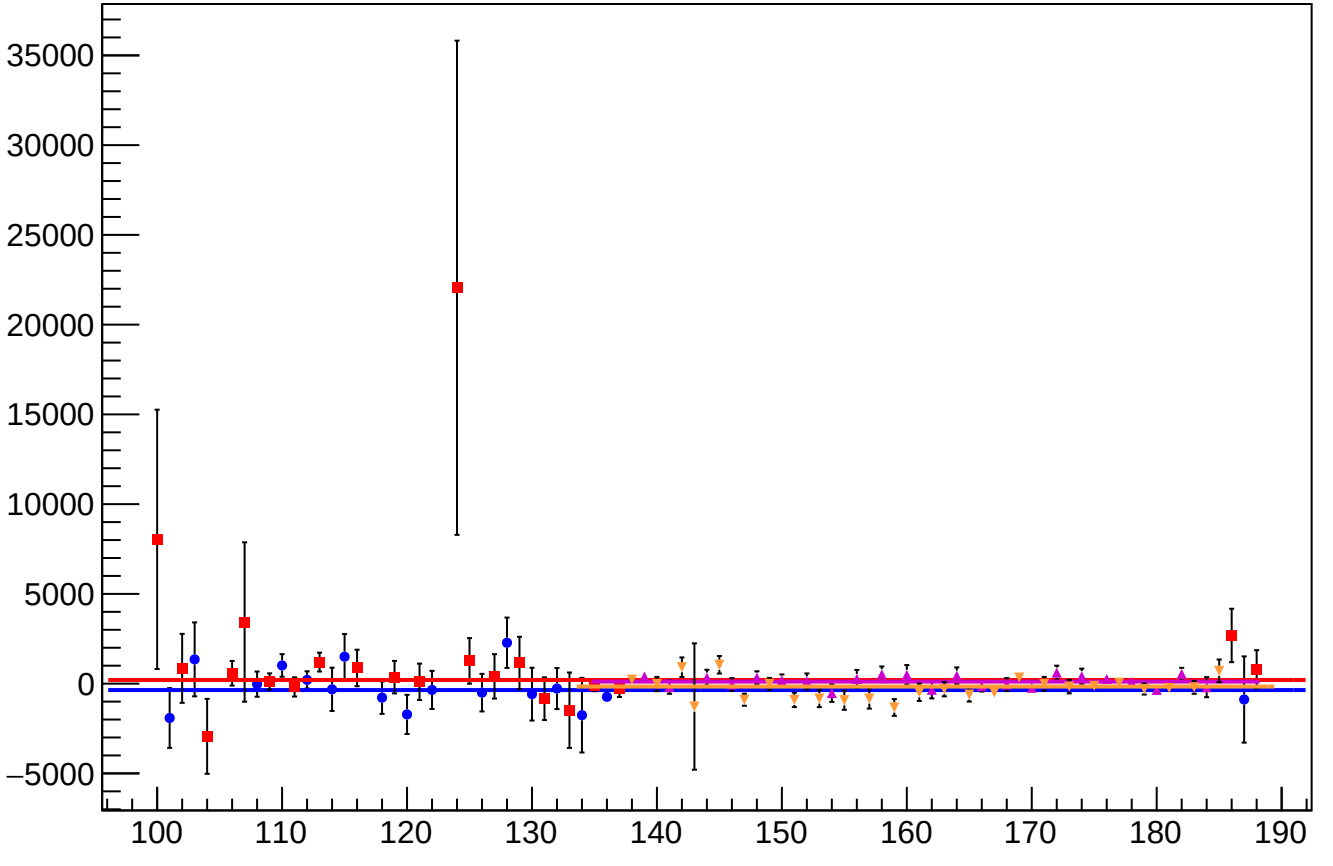
Right: 1295.248+/-0.232 χ^2/NDF: 724305.3/37

In: 1268.849+/-0.178 χ^2/NDF:543932.8/39

Out: 1258.364+/-0.169 χ^2/NDF:366552.0/45

All: 1263.335+/-0.122 χ^2/NDF: 912314.7/85

asym_atl_avg_atr_avg_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: -357.857+/-169.547 χ^2/NDF: 18.5/16

Left Out: -160.930+/-64.133 χ^2/NDF:43.8/24

Right Out: 205.206+/-166.501 χ^2/NDF: 19.0/20

Left In: 113.722+/-68.841 χ^2/NDF:18.2/22

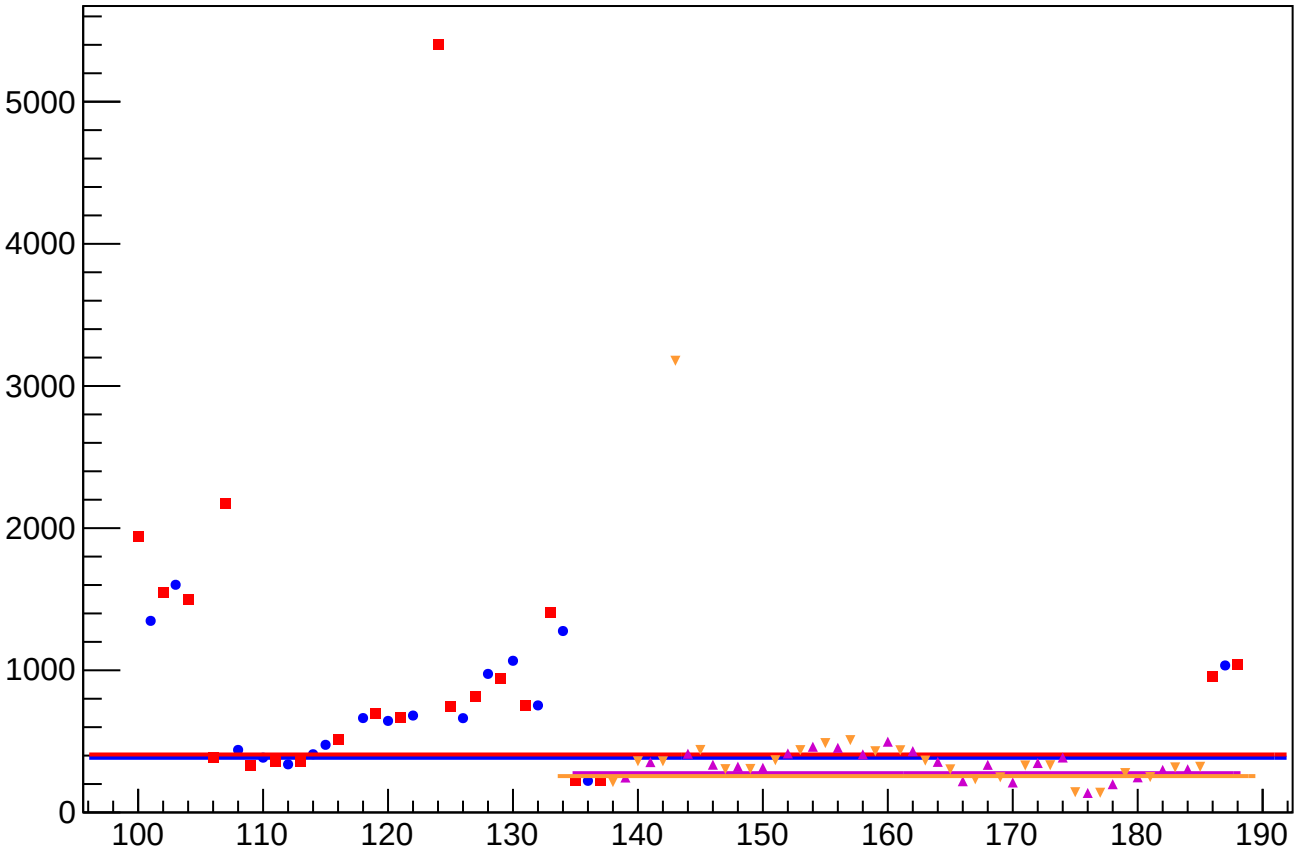
Left: -33.316+/-46.925 χ^2/NDF: 70.5/47

Right: -71.223+/-118.796 χ^2/NDF: 43.1/37

In: 46.981+/-63.783 χ^2/NDF:43.3/39

Out: -113.627+/-59.847 χ^2/NDF:67.0/45

All: -38.432+/-43.643 χ^2/NDF: 113.7/85



Right In: 384.601+/-0.120 χ^2/NDF: 4464871.9/16

Left Out: 255.768+/-0.045 χ^2/NDF:6373929.4/24

Right Out: 407.821+/-0.118 χ^2/NDF: 5574336.4/20

Left In: 276.298+/-0.049 χ^2/NDF:4027410.5/22

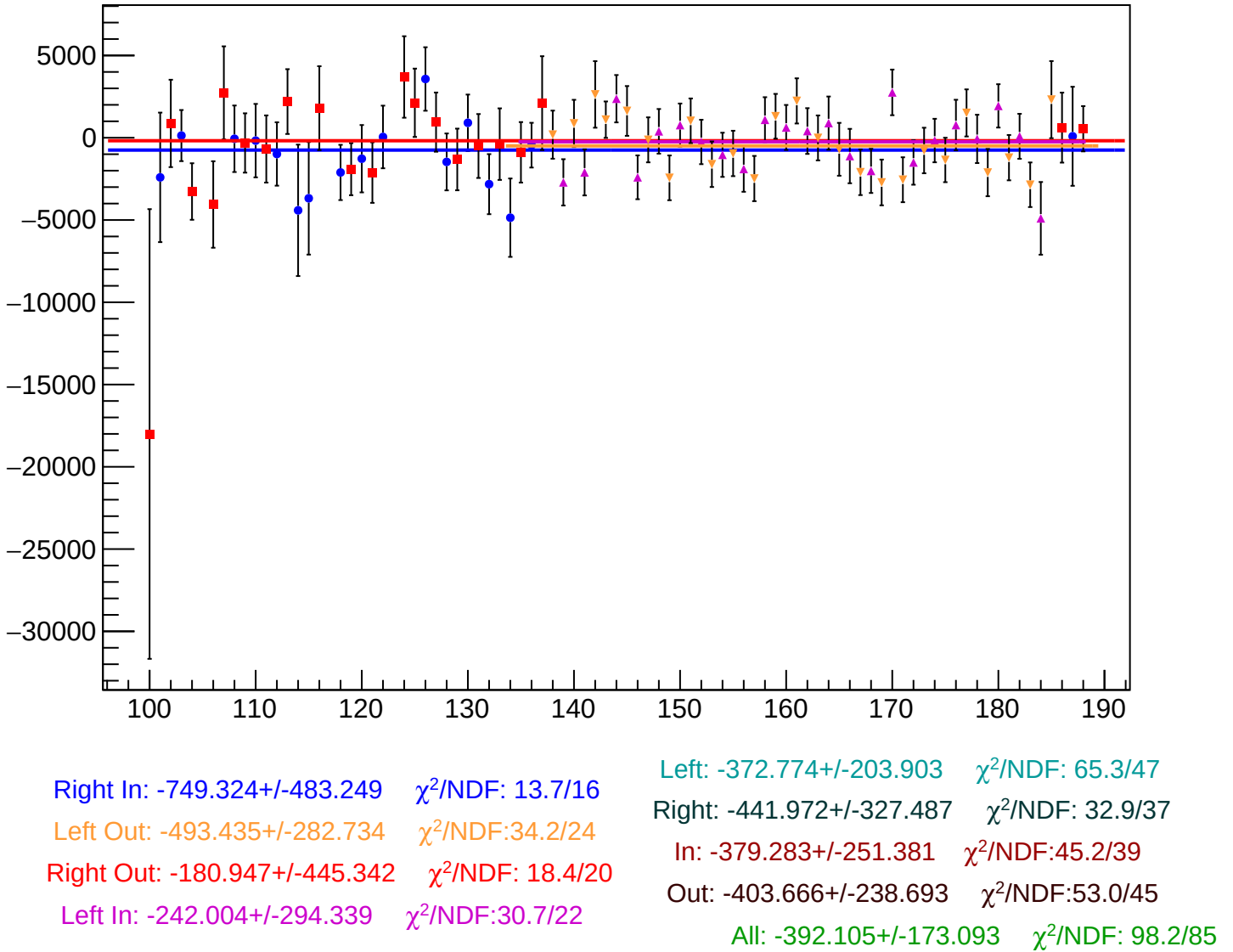
Left: 265.307+/-0.033 χ^2/NDF: 10496569.7/47

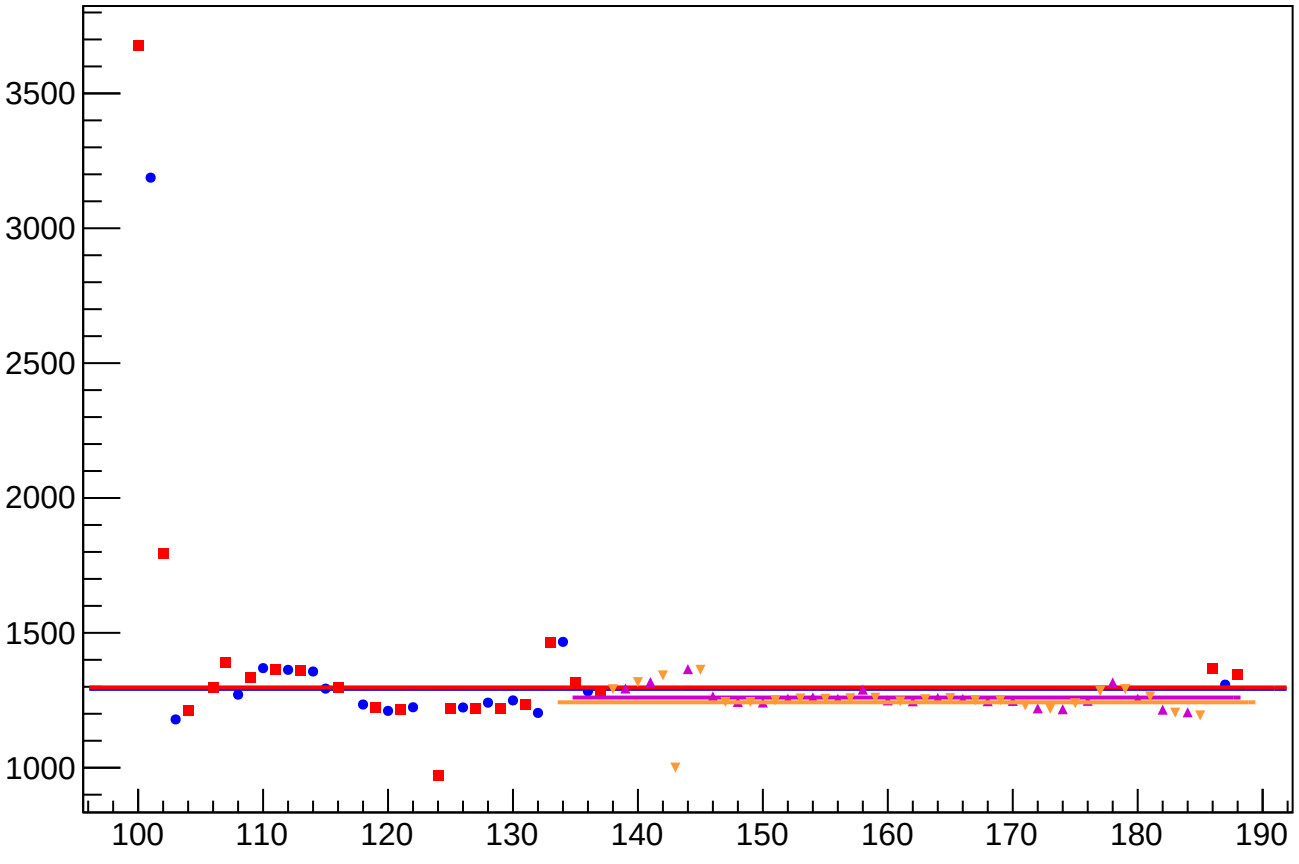
Right: 396.421+/-0.084 χ^2/NDF: 10058304.7/37

In: 291.626+/-0.045 χ^2/NDF:9192856.7/39

Out: 275.413+/-0.042 χ^2/NDF:13400729.8/45

All: 283.004+/-0.031 χ^2/NDF: 22662312.0/85


eigen_dit_asym_atl_avg_atr_avg_dd_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
−30000
100
110
120
130
140
150
160
170
180
190
Right In: -749.324+/-483.249 χ²/NDF: 13.7/16
Left Out: -493.435+/-282.734 χ²/NDF:34.2/24
Right Out: -180.947+/-445.342 χ²/NDF: 18.4/20
Left In: -242.004+/-294.339 χ²/NDF:30.7/22
Left: -372.774+/-203.903 χ²/NDF: 65.3/47
Right: -441.972+/-327.487 χ²/NDF: 32.9/37
In: -379.283+/-251.381 χ²/NDF:45.2/39
Out: -403.666+/-238.693 χ²/NDF:53.0/45
All: -392.105+/-173.093 χ²/NDF: 98.2/85



Right In: 1292.449+/-0.342 χ^2/NDF: 509461.0/16

Left Out: 1242.539+/-0.200 χ^2/NDF:130022.2/24

Right Out: 1297.624+/-0.315 χ^2/NDF: 214720.5/20

Left In: 1260.094+/-0.208 χ^2/NDF:27932.2/22

Left: 1250.964+/-0.144 χ^2/NDF: 161654.3/47

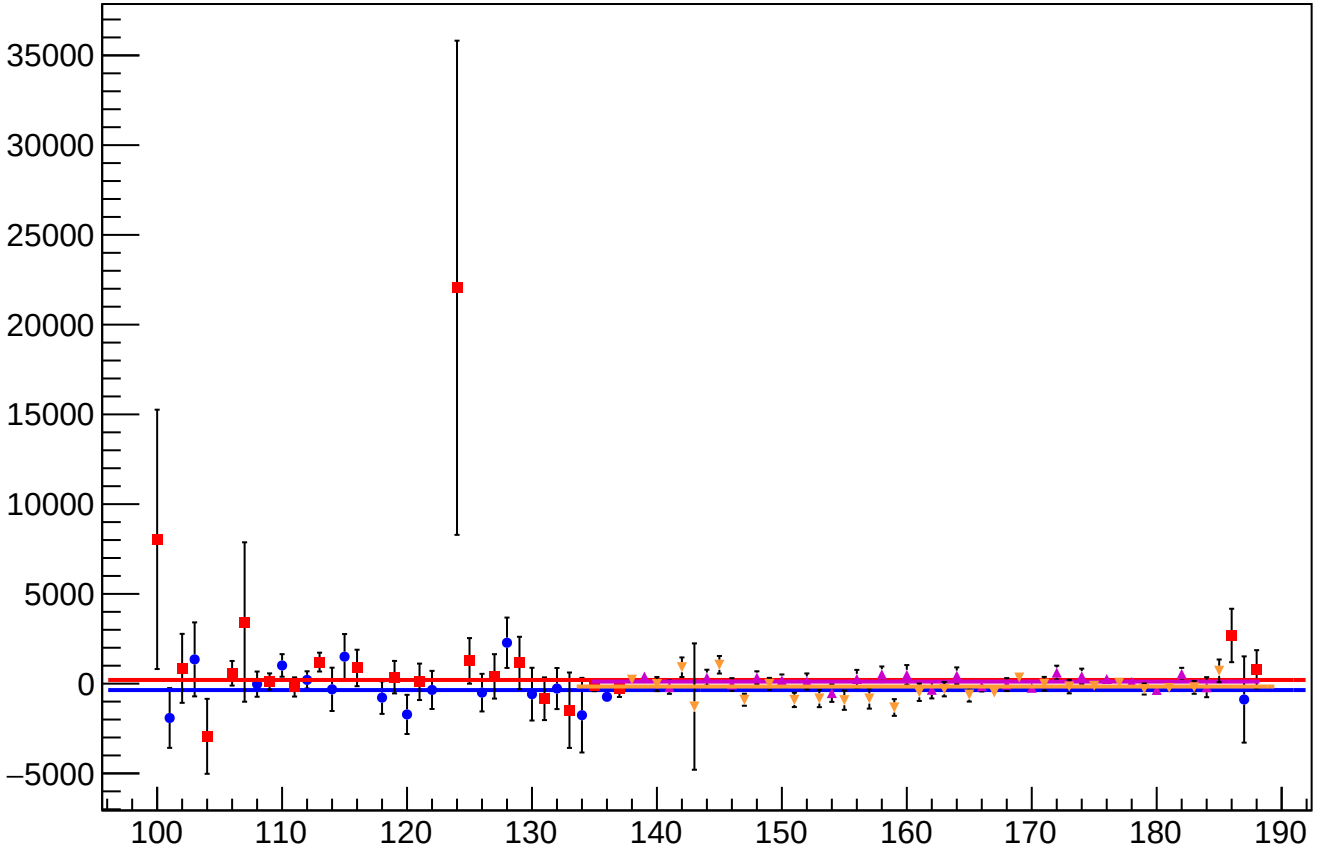
Right: 1295.248+/-0.232 χ^2/NDF: 724305.5/37

In: 1268.849+/-0.178 χ^2/NDF:543932.8/39

Out: 1258.364+/-0.169 χ^2/NDF:366551.4/45

All: 1263.335+/-0.122 χ^2/NDF: 912314.1/85

asym_atl_avg_atr_avg_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -357.857+/-169.550 χ^2/NDF: 18.5/16

Left Out: -160.933+/-64.133 χ^2/NDF:43.8/24

Right Out: 205.213+/-166.503 χ^2/NDF: 19.0/20

Left In: 113.720+/-68.841 χ^2/NDF:18.2/22

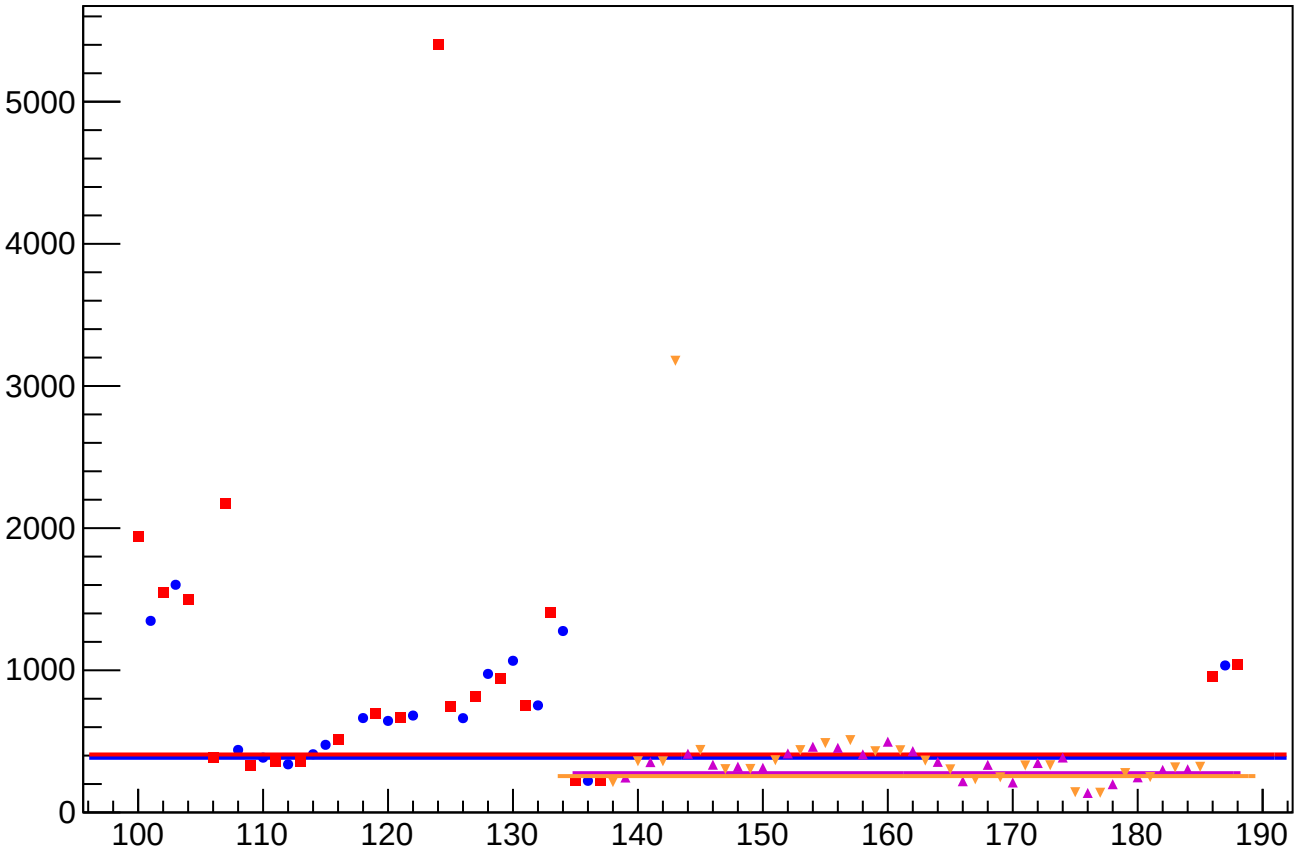
Left: -33.318+/-46.925 χ^2/NDF: 70.5/47

Right: -71.218+/-118.798 χ^2/NDF: 43.1/37

In: 46.981+/-63.784 χ^2/NDF:43.3/39

Out: -113.630+/-59.847 χ^2/NDF:67.0/45

All: -38.433+/-43.644 χ^2/NDF: 113.7/85



Right In: 384.611+/-0.120 χ^2/NDF: 4464683.2/16

Left Out: 255.770+/-0.045 χ^2/NDF:6373829.7/24

Right Out: 407.829+/-0.118 χ^2/NDF: 5574173.8/20

Left In: 276.299+/-0.049 χ^2/NDF:4027371.0/22

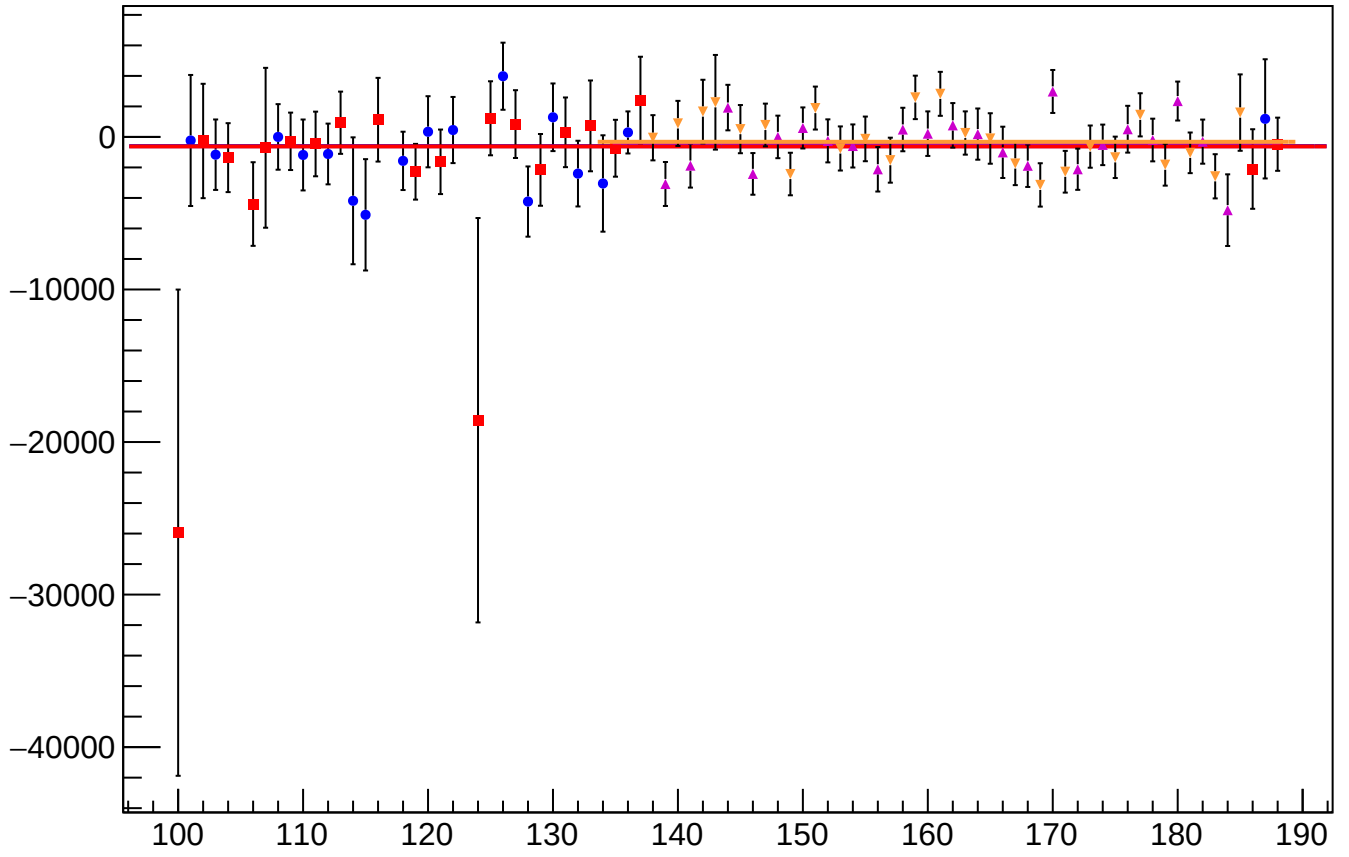
Left: 265.308+/-0.033 χ^2/NDF: 10496422.7/47

Right: 396.430+/-0.084 χ^2/NDF: 10057949.4/37

In: 291.627+/-0.045 χ^2/NDF:9192732.2/39

Out: 275.415+/-0.042 χ^2/NDF:13400563.7/45

All: 283.005+/-0.031 χ^2/NDF: 22662017.2/85



Right In: -603.500+/-558.568 χ^2/NDF: 12.7/16

Left Out: -319.744+/-298.271 χ^2/NDF:31.6/24

Right Out: -622.044+/-527.838 χ^2/NDF: 11.7/20

Left In: -356.387+/-301.902 χ^2/NDF:29.7/22

Left: -337.843+/-212.182 χ^2/NDF: 61.2/47

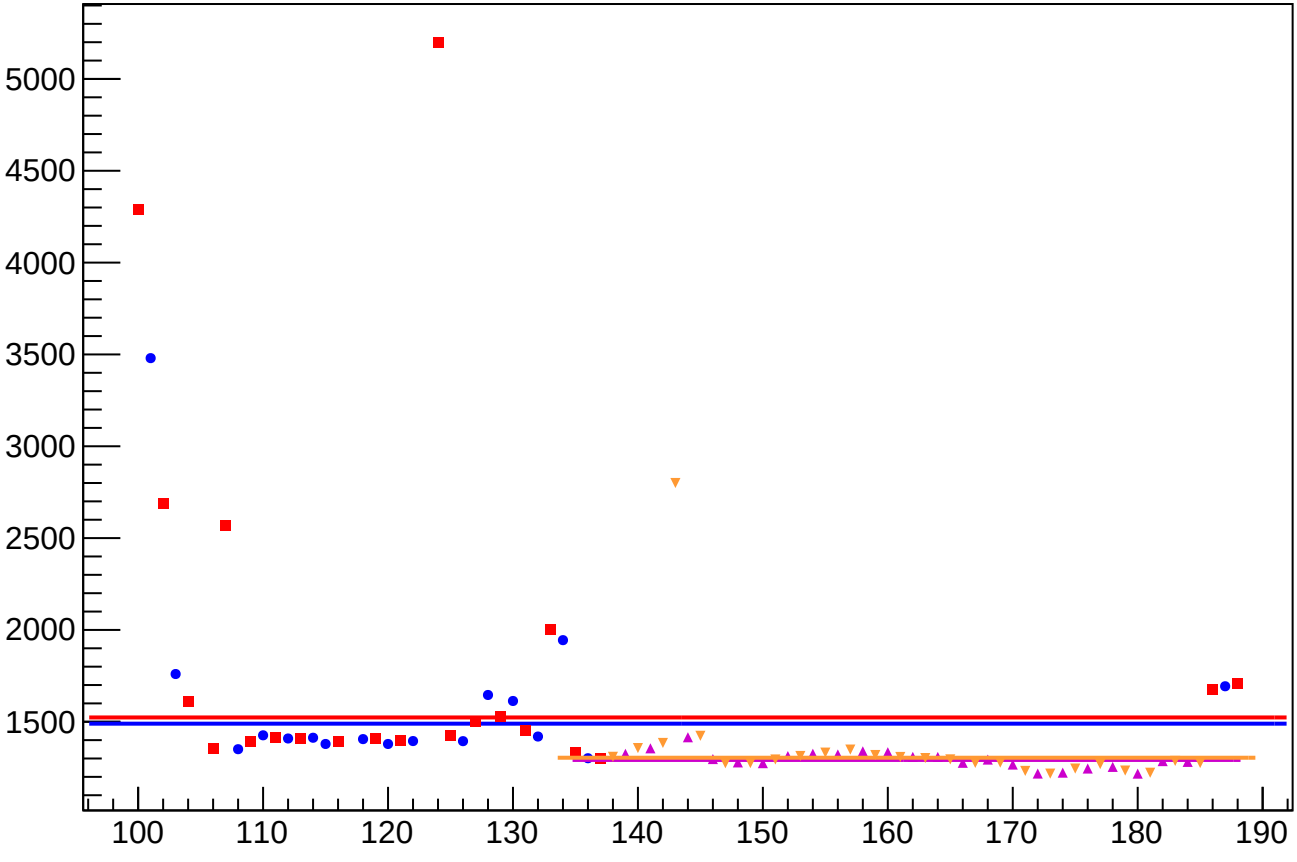
Right: -613.296+/-383.642 χ^2/NDF: 24.4/37

In: -412.256+/-265.591 χ^2/NDF:42.5/39

Out: -392.910+/-259.679 χ^2/NDF:43.5/45

All: -402.365+/-185.675 χ^2/NDF: 86.0/85

asym_atl_avg_atr_avg_dd_rms vs Slug, Sign Corrected



Right In: 1489.621+/-0.395 χ^2/NDF: 590020.8/16

Left Out: 1304.156+/-0.211 χ^2/NDF:519609.1/24

Right Out: 1523.482+/-0.373 χ^2/NDF: 656715.2/20

Left In: 1292.123+/-0.213 χ^2/NDF:48343.1/22

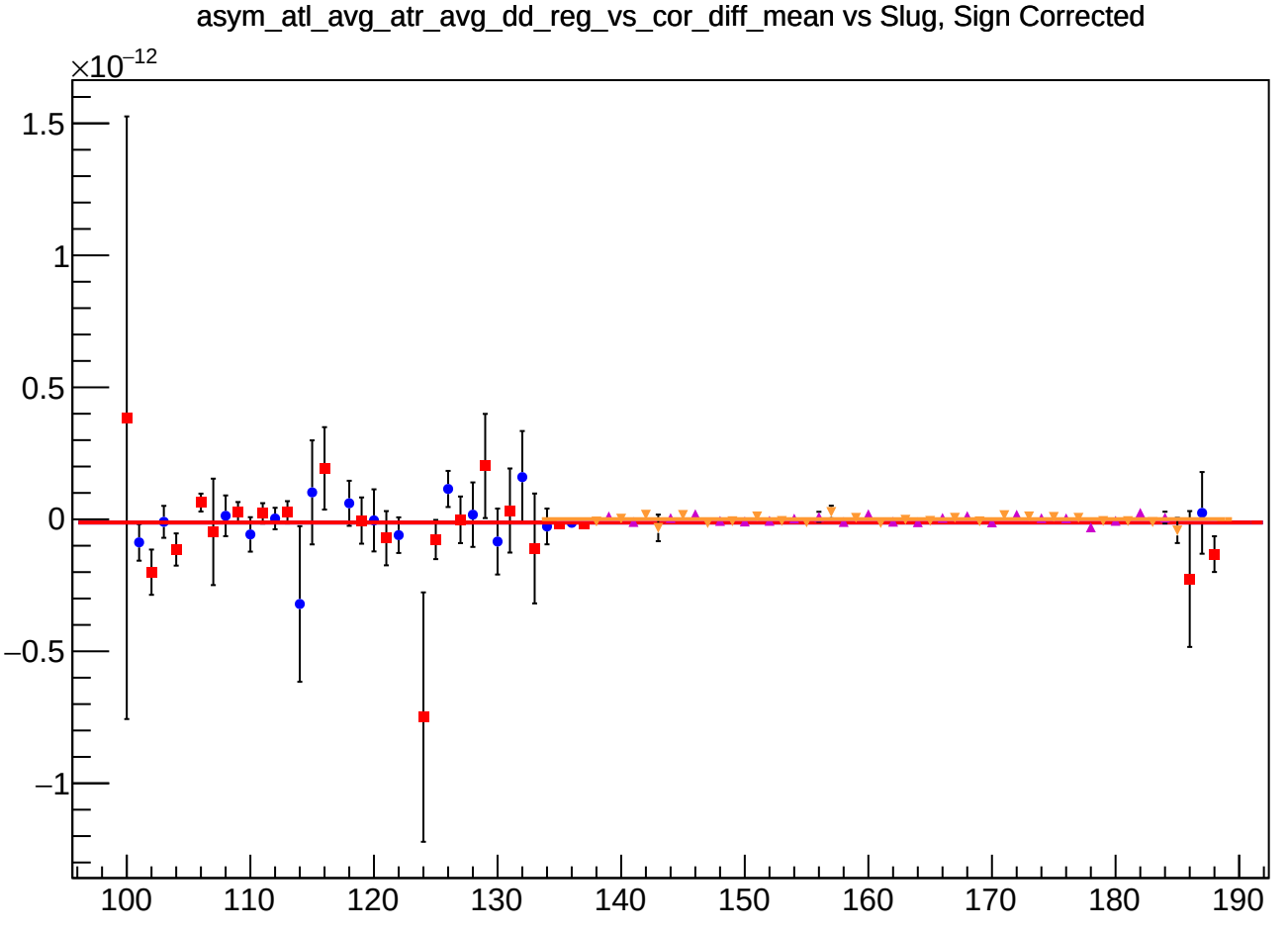
Left: 1298.212+/-0.150 χ^2/NDF: 569560.1/47

Right: 1507.509+/-0.271 χ^2/NDF: 1250618.7/37

In: 1336.775+/-0.188 χ^2/NDF:831871.3/39

Out: 1357.240+/-0.184 χ^2/NDF:1438060.3/45

All: 1347.238+/-0.131 χ^2/NDF: 2276002.9/85



Right In: -0.000+/-0.000 χ^2/NDF: 9.5/16

Left Out: 0.000+/-0.000 χ^2/NDF:24.3/24

Right Out: -0.000+/-0.000 χ^2/NDF: 26.2/20

Left In: -0.000+/-0.000 χ^2/NDF:29.6/22

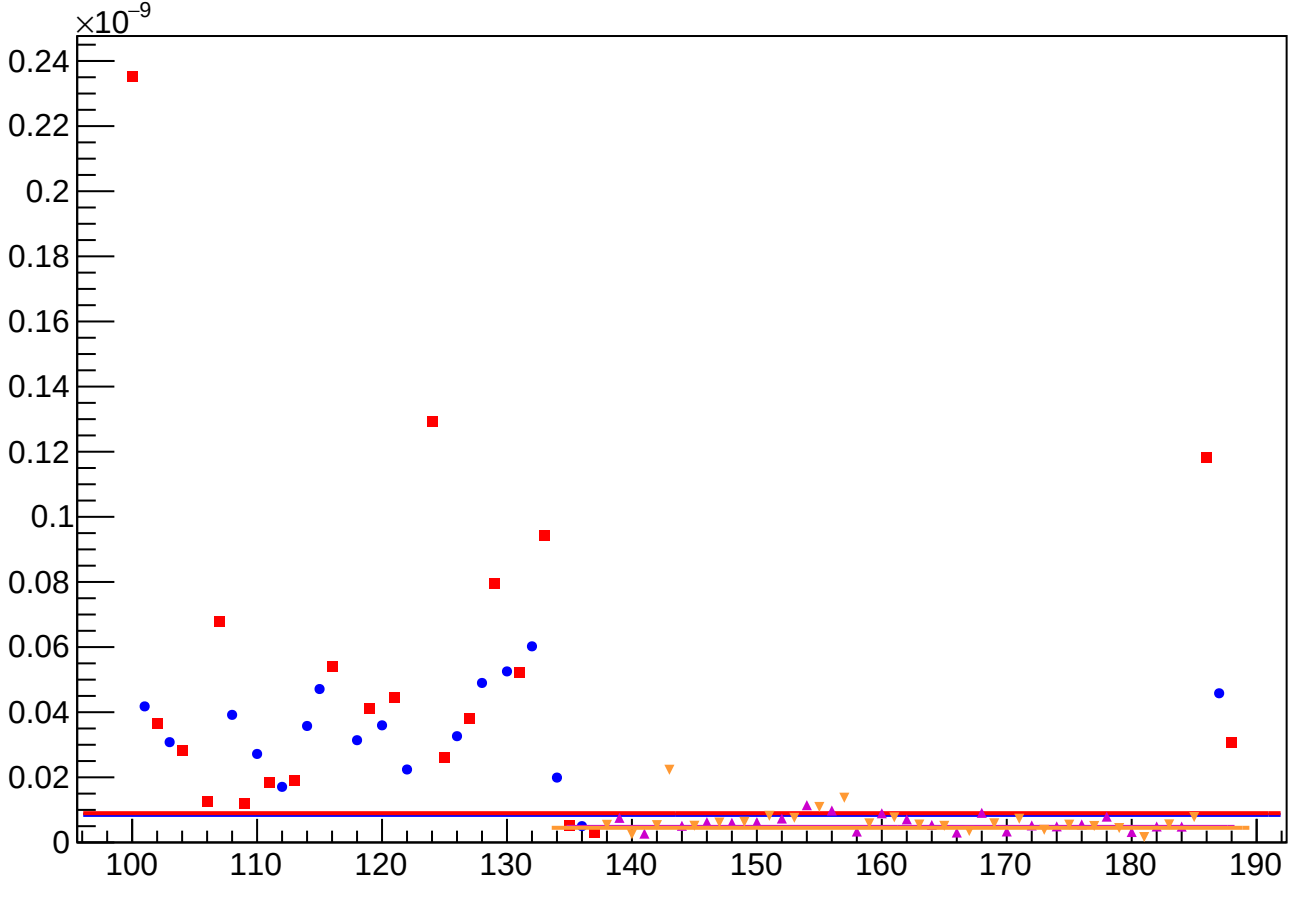
Left: -0.000+/-0.000 χ^2/NDF: 54.2/47

Right: -0.000+/-0.000 χ^2/NDF: 35.7/37

In: -0.000+/-0.000 χ^2/NDF:41.3/39

Out: -0.000+/-0.000 χ^2/NDF:52.9/45

All: -0.000+/-0.000 χ^2/NDF: 94.6/85



Right In: 0.000+/-0.000 χ^2/NDF: 3176393.8/16

Left Out: 0.000+/-0.000 χ^2/NDF:2715297.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3922083.4/20

Left In: 0.000+/-0.000 χ^2/NDF:1884808.0/22

Left: 0.000+/-0.000 χ^2/NDF: 4620695.3/47

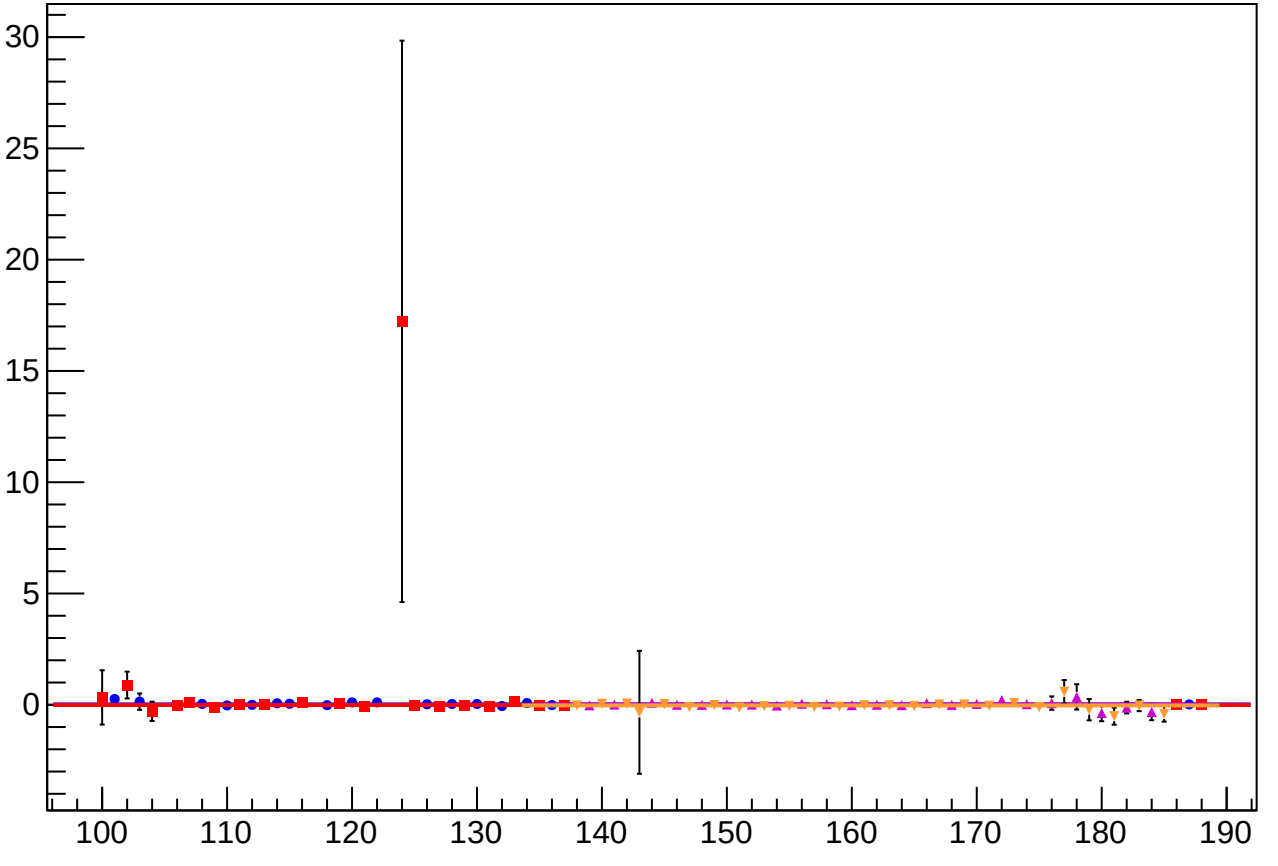
Right: 0.000+/-0.000 χ^2/NDF: 7103139.3/37

In: 0.000+/-0.000 χ^2/NDF:5520824.1/39

Out: 0.000+/-0.000 χ^2/NDF:7240495.8/45

All: 0.000+/-0.000 χ^2/NDF: 12785873.0/85

asym_atl_avg_atr_avg_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/16

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: -0.009+/-0.014 χ^2/NDF: 16.5/20

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

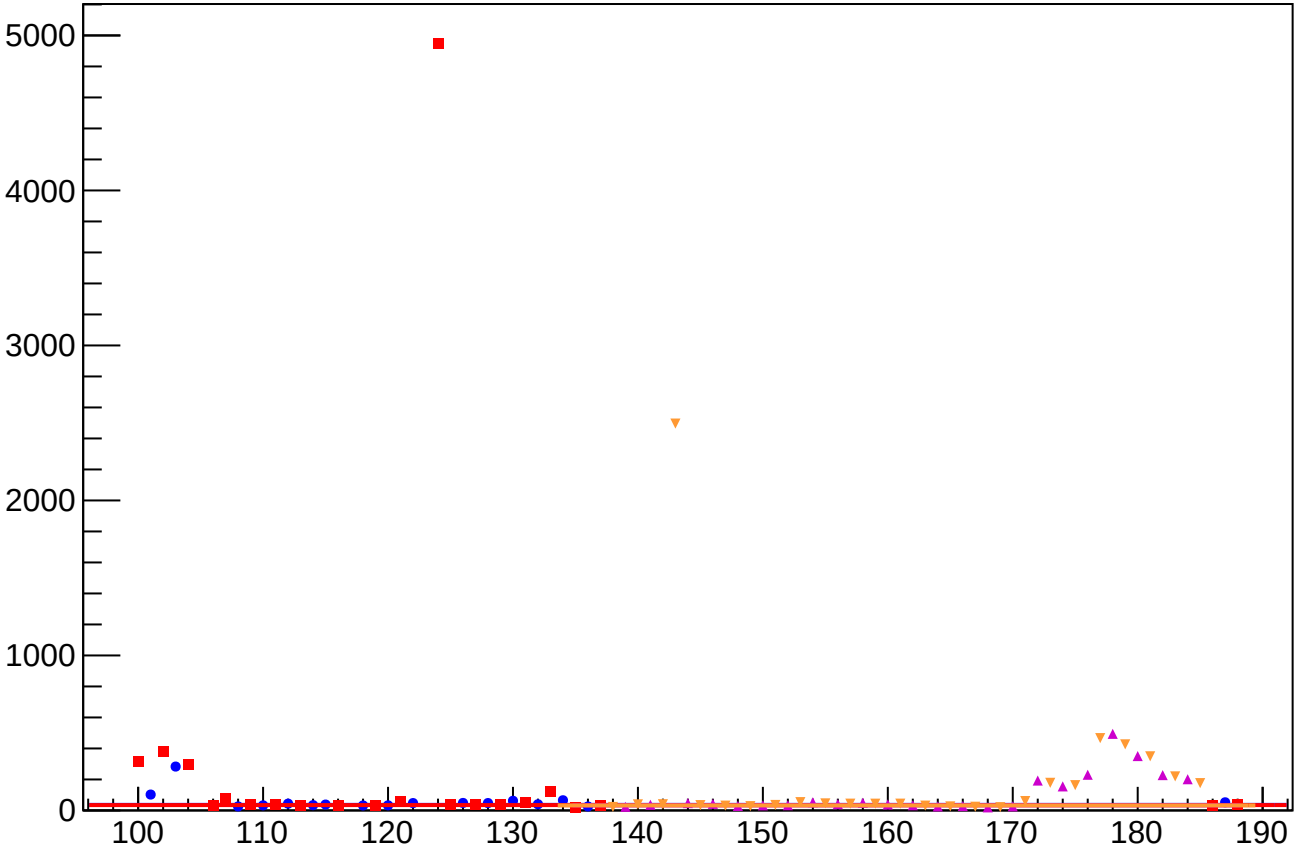
Right: 0.003+/-0.010 χ^2/NDF: 29.5/37

In: 0.012+/-0.008 χ^2/NDF:24.8/39

Out: -0.022+/-0.008 χ^2/NDF:45.8/45

All: -0.005+/-0.006 χ^2/NDF: 79.9/85

asym_atl_avg_atr_avg_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 35.994+/-0.011 χ^2/NDF: 2300275.3/16

Left Out: 32.551+/-0.007 χ^2/NDF:10871758.1/24

Right Out: 34.604+/-0.010 χ^2/NDF: 2943325.9/20

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

Left: 32.645+/-0.005 χ^2/NDF: 19835386.0/47

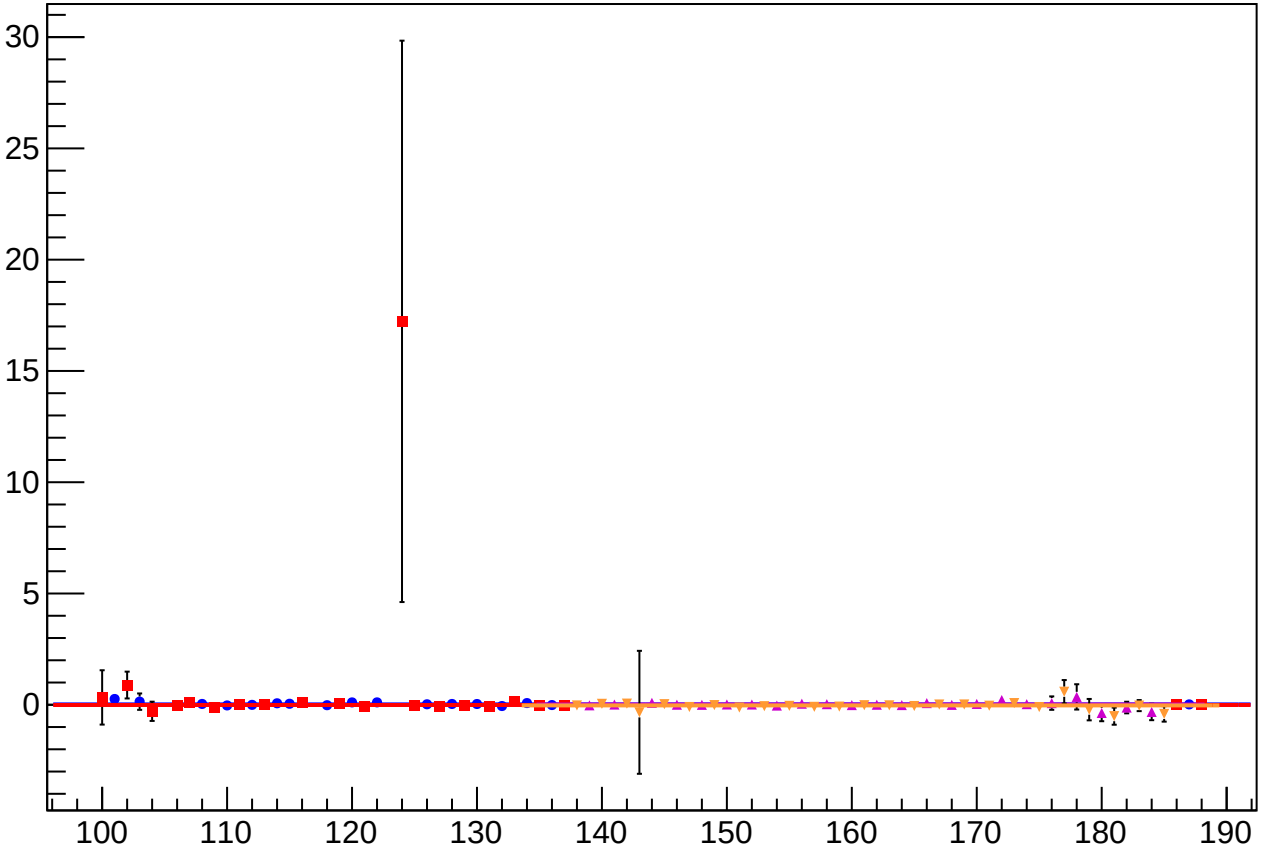
Right: 35.240+/-0.007 χ^2/NDF: 5252526.0/37

In: 33.642+/-0.006 χ^2/NDF:11328692.6/39

Out: 33.195+/-0.006 χ^2/NDF:13844256.9/45

All: 33.413+/-0.004 χ^2/NDF: 25176085.3/85

asym_atl_avg_atr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/16

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: -0.009+/-0.014 χ^2/NDF: 16.5/20

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

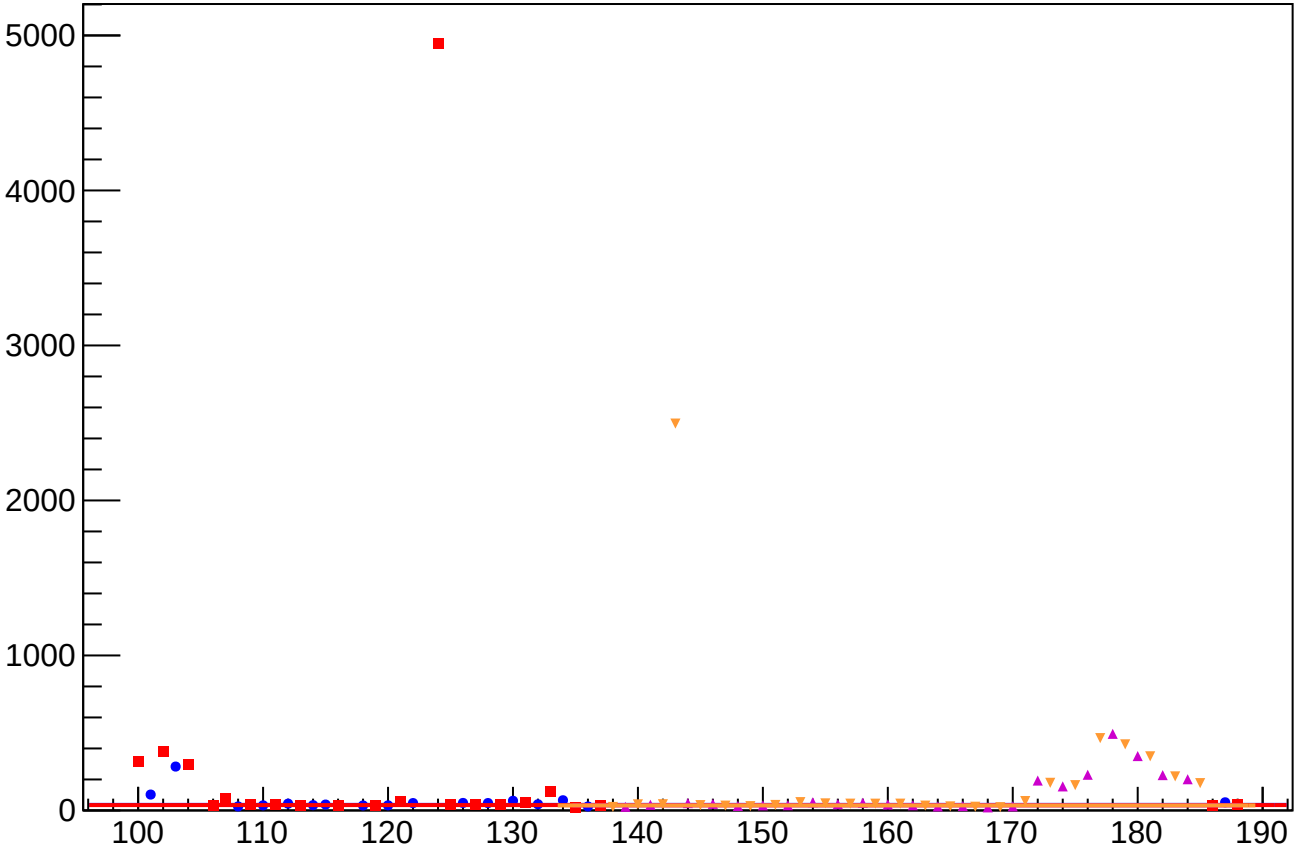
Right: 0.003+/-0.010 χ^2/NDF: 29.5/37

In: 0.012+/-0.008 χ^2/NDF:24.8/39

Out: -0.022+/-0.008 χ^2/NDF:45.8/45

All: -0.005+/-0.006 χ^2/NDF: 79.9/85

asym_atl_avg_atr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 35.994+/-0.011 χ^2/NDF: 2300275.3/16

Left Out: 32.551+/-0.007 χ^2/NDF:10871758.1/24

Right Out: 34.604+/-0.010 χ^2/NDF: 2943325.9/20

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

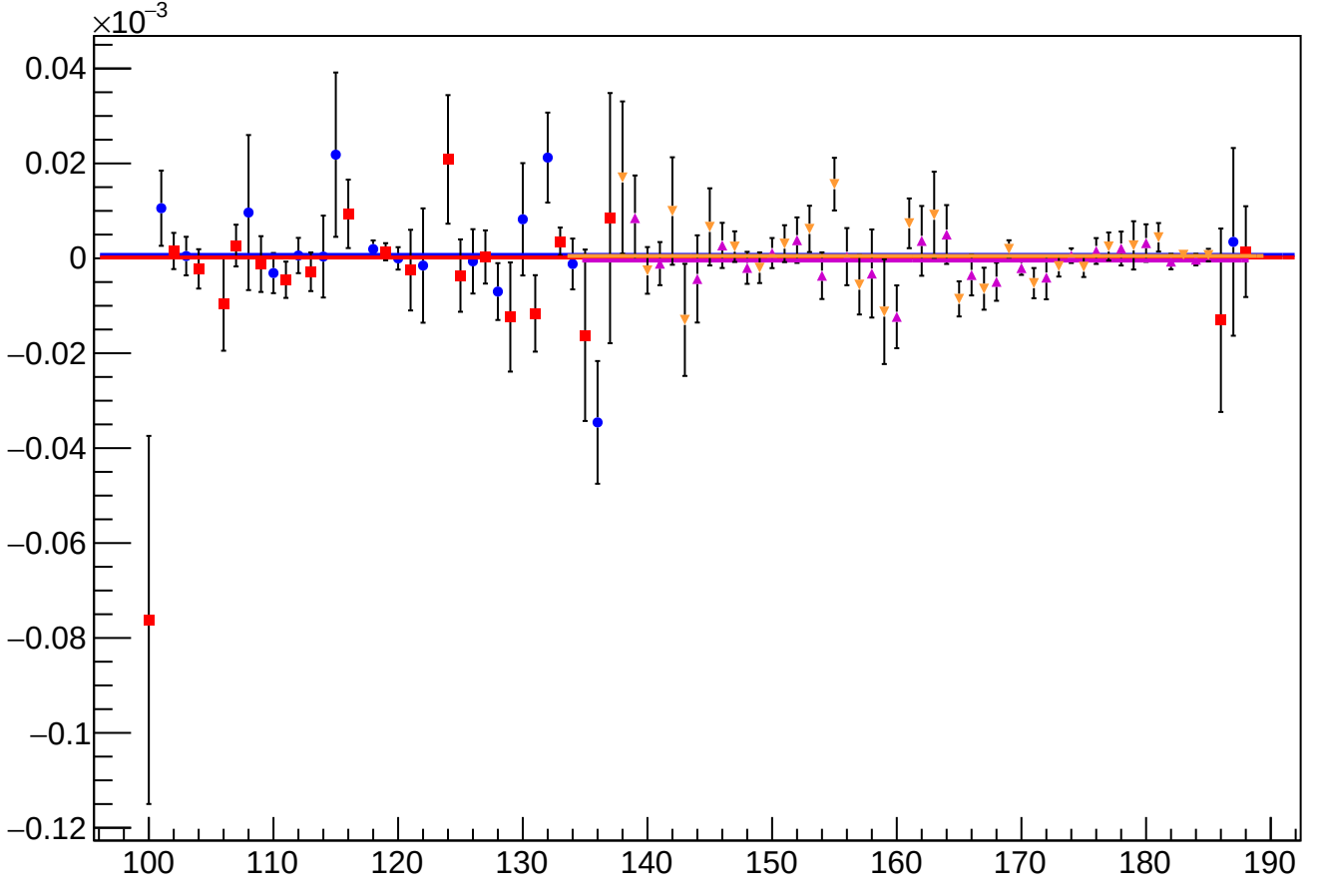
Left: 32.645+/-0.005 χ^2/NDF: 19835386.0/47

Right: 35.240+/-0.007 χ^2/NDF: 5252526.0/37

In: 33.642+/-0.006 χ^2/NDF:11328692.6/39

Out: 33.195+/-0.006 χ^2/NDF:13844256.9/45

All: 33.413+/-0.004 χ^2/NDF: 25176085.3/85



Right In: 0.000+/-0.000 χ^2/NDF: 19.1/16

Left Out: 0.000+/-0.000 χ^2/NDF:35.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 18.6/20

Left In: -0.000+/-0.000 χ^2/NDF:13.7/22

Left: 0.000+/-0.000 χ^2/NDF: 50.9/47

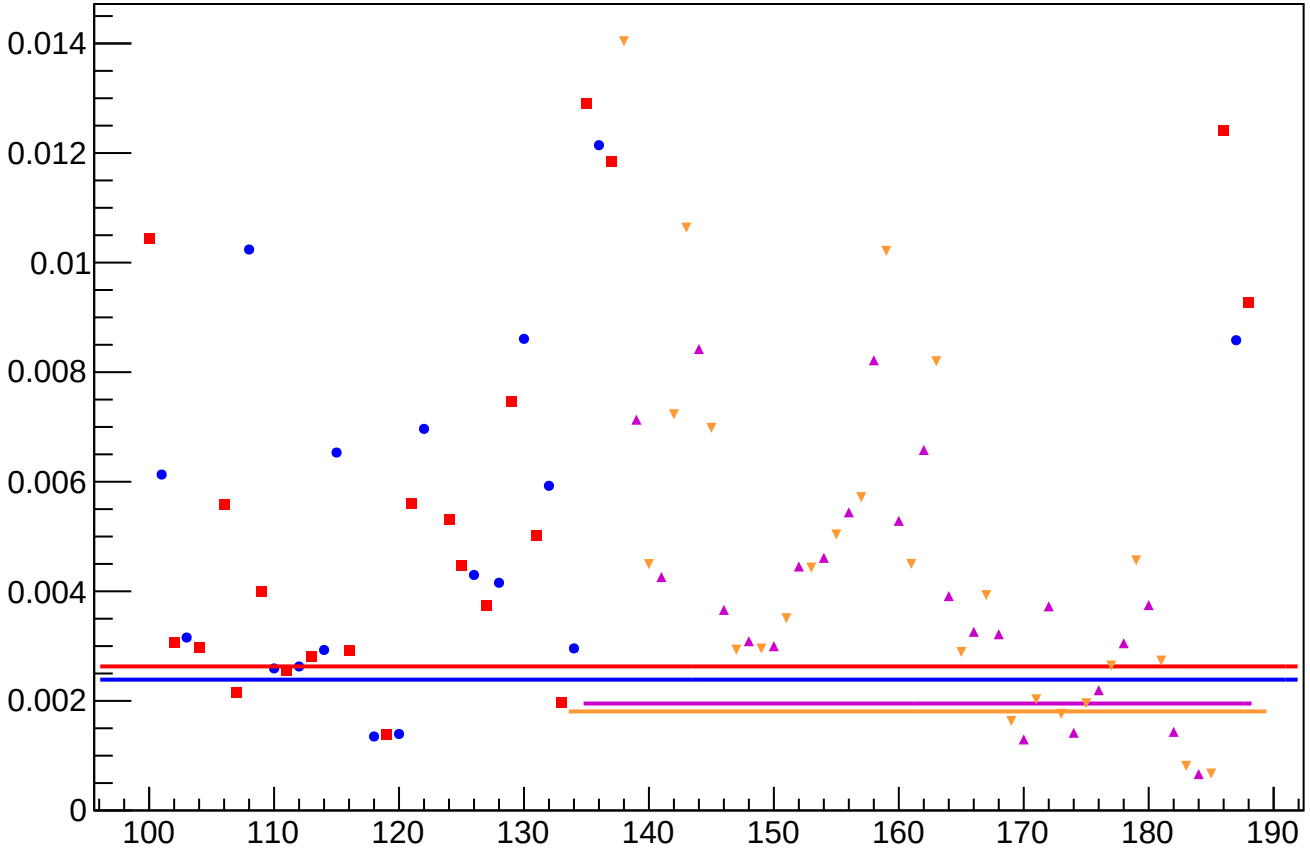
Right: 0.000+/-0.000 χ^2/NDF: 37.8/37

In: -0.000+/-0.000 χ^2/NDF:33.7/39

Out: 0.000+/-0.000 χ^2/NDF:54.4/45

All: 0.000+/-0.000 χ^2/NDF: 88.9/85

asym_atl_avg_atr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 4918460.1/16

Left Out: 0.002+/-0.000 χ^2/NDF:14941257.4/24

Right Out: 0.003+/-0.000 χ^2/NDF: 4894314.9/20

Left In: 0.002+/-0.000 χ^2/NDF:11478607.0/22

Left: 0.002+/-0.000 χ^2/NDF: 26484379.9/47

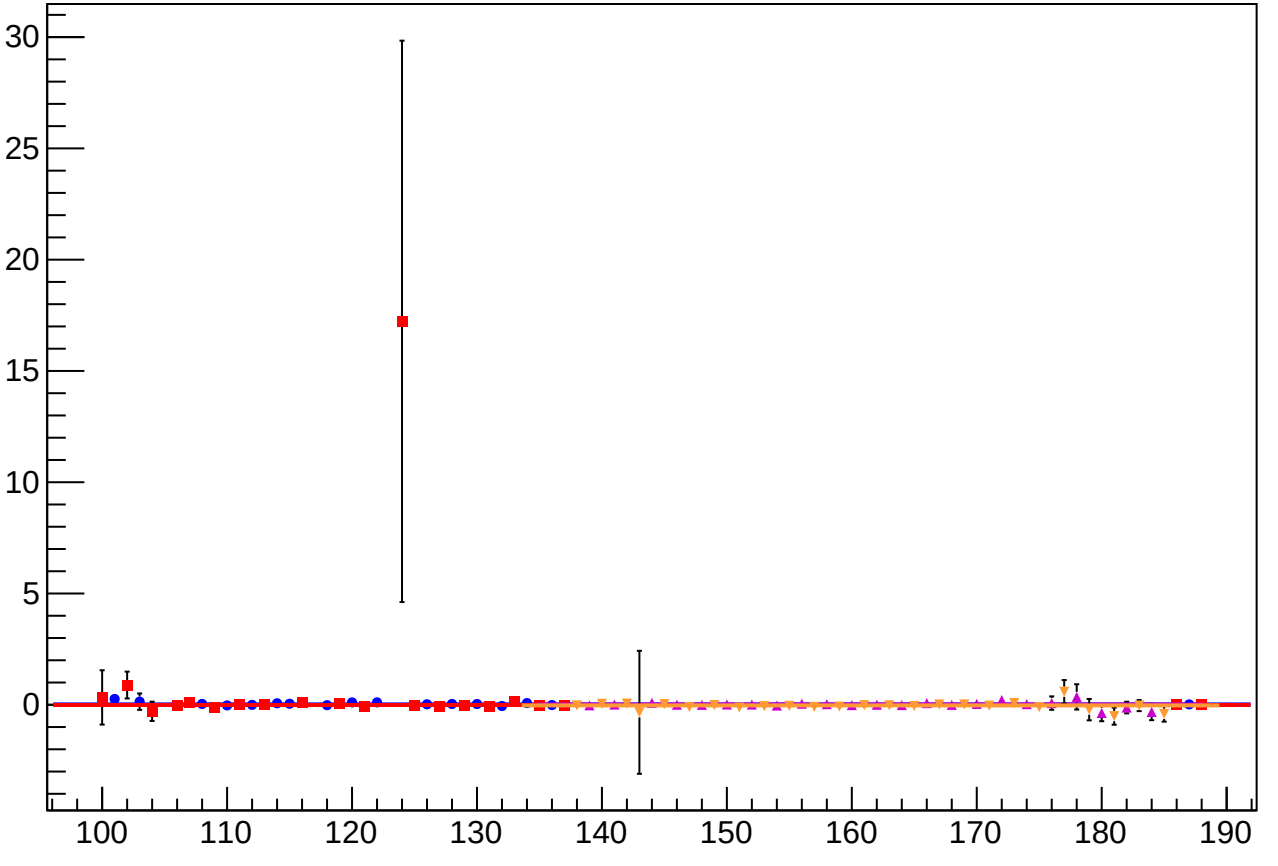
Right: 0.003+/-0.000 χ^2/NDF: 9862725.2/37

In: 0.002+/-0.000 χ^2/NDF:16639696.7/39

Out: 0.002+/-0.000 χ^2/NDF:20790288.4/45

All: 0.002+/-0.000 χ^2/NDF: 37447686.5/85

asym_atl_avg_atr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/16

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: -0.009+/-0.014 χ^2/NDF: 16.5/20

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

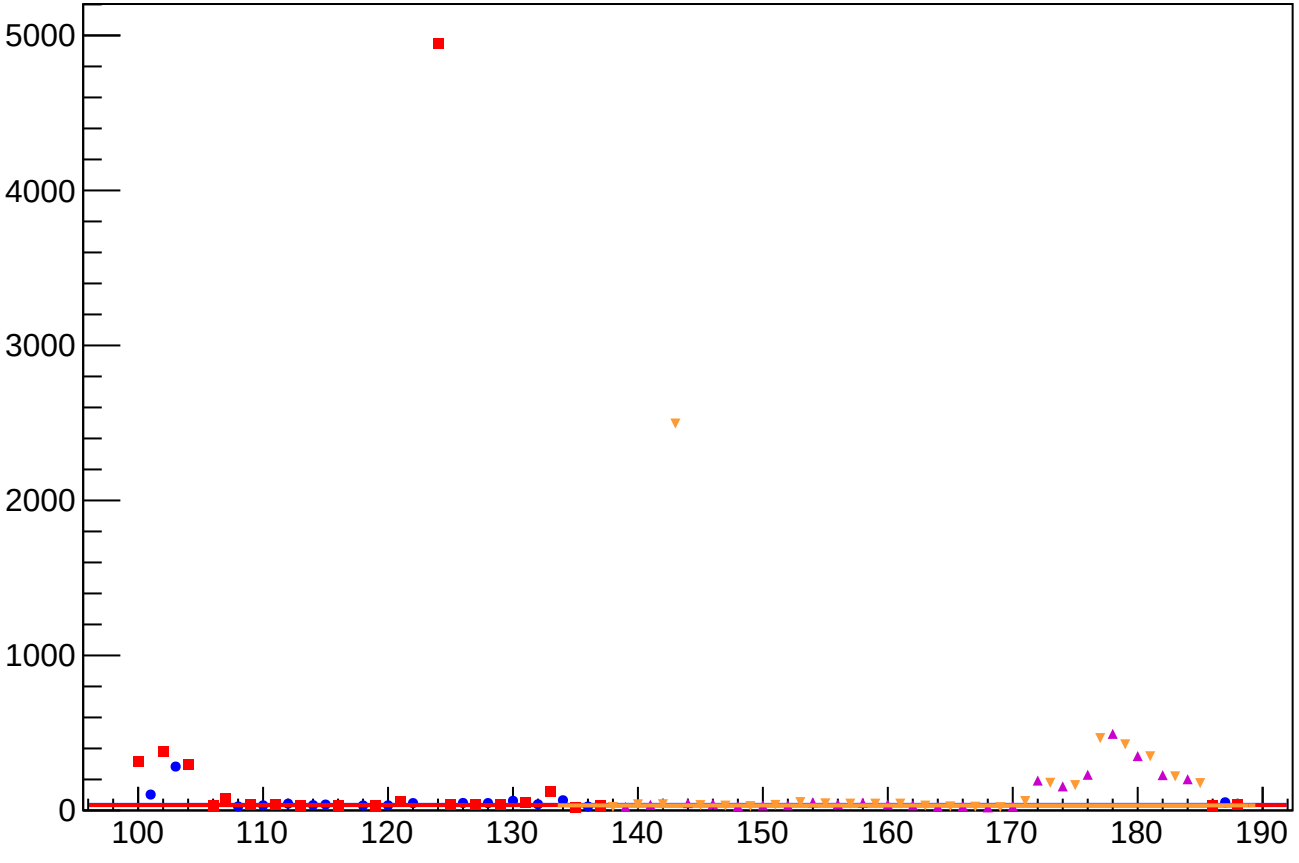
Right: 0.003+/-0.010 χ^2/NDF: 29.5/37

In: 0.012+/-0.008 χ^2/NDF:24.8/39

Out: -0.022+/-0.008 χ^2/NDF:45.8/45

All: -0.005+/-0.006 χ^2/NDF: 79.9/85

asym_atl_avg_atr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 35.995+/-0.011 χ^2/NDF: 2299982.4/16

Left Out: 32.551+/-0.007 χ^2/NDF:10872015.8/24

Right Out: 34.604+/-0.010 χ^2/NDF: 2943146.3/20

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

Left: 32.644+/-0.005 χ^2/NDF: 19836272.3/47

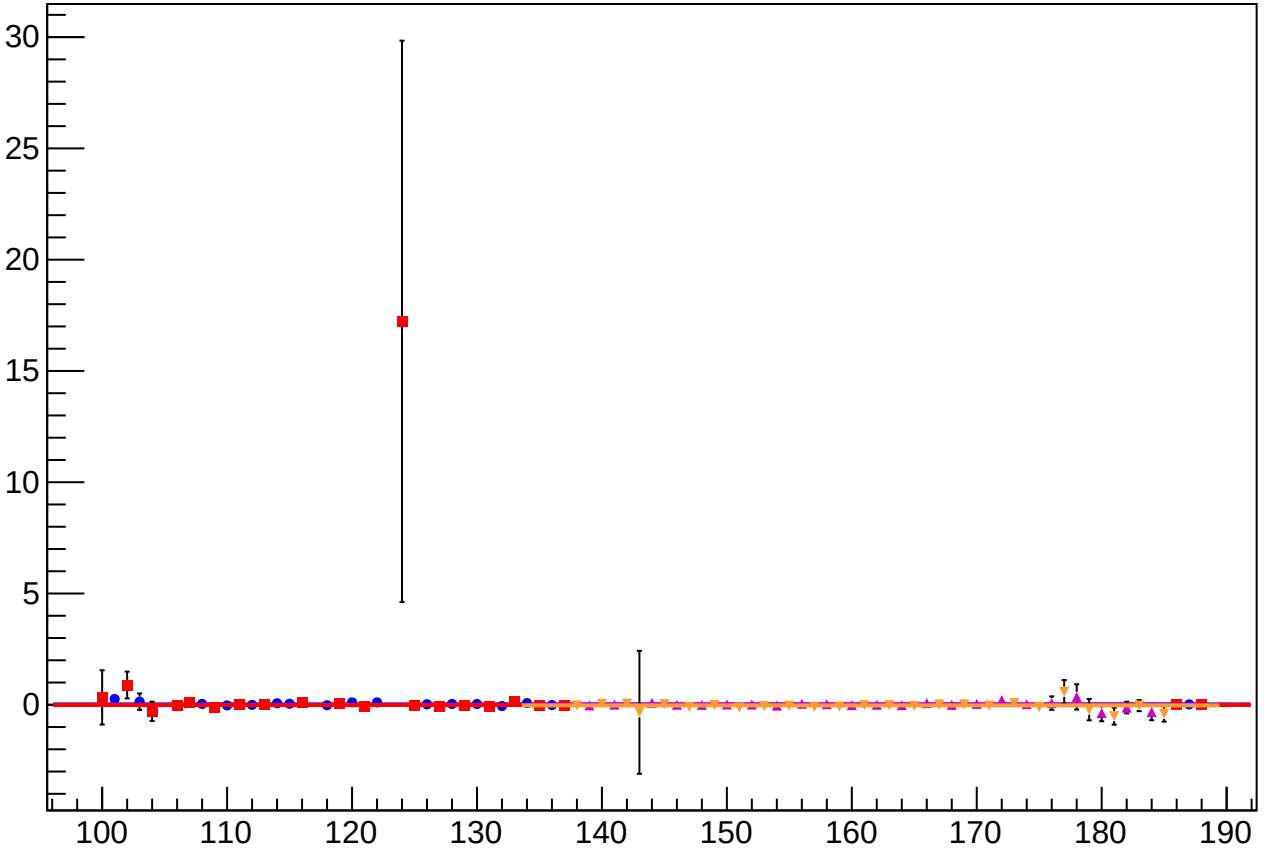
Right: 35.241+/-0.007 χ^2/NDF: 5252068.6/37

In: 33.641+/-0.006 χ^2/NDF:11329143.8/39

Out: 33.195+/-0.006 χ^2/NDF:13844349.7/45

All: 33.413+/-0.004 χ^2/NDF: 25176621.7/85

asym_atl_avg_atr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/16

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: -0.009+/-0.014 χ^2/NDF: 16.5/20

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

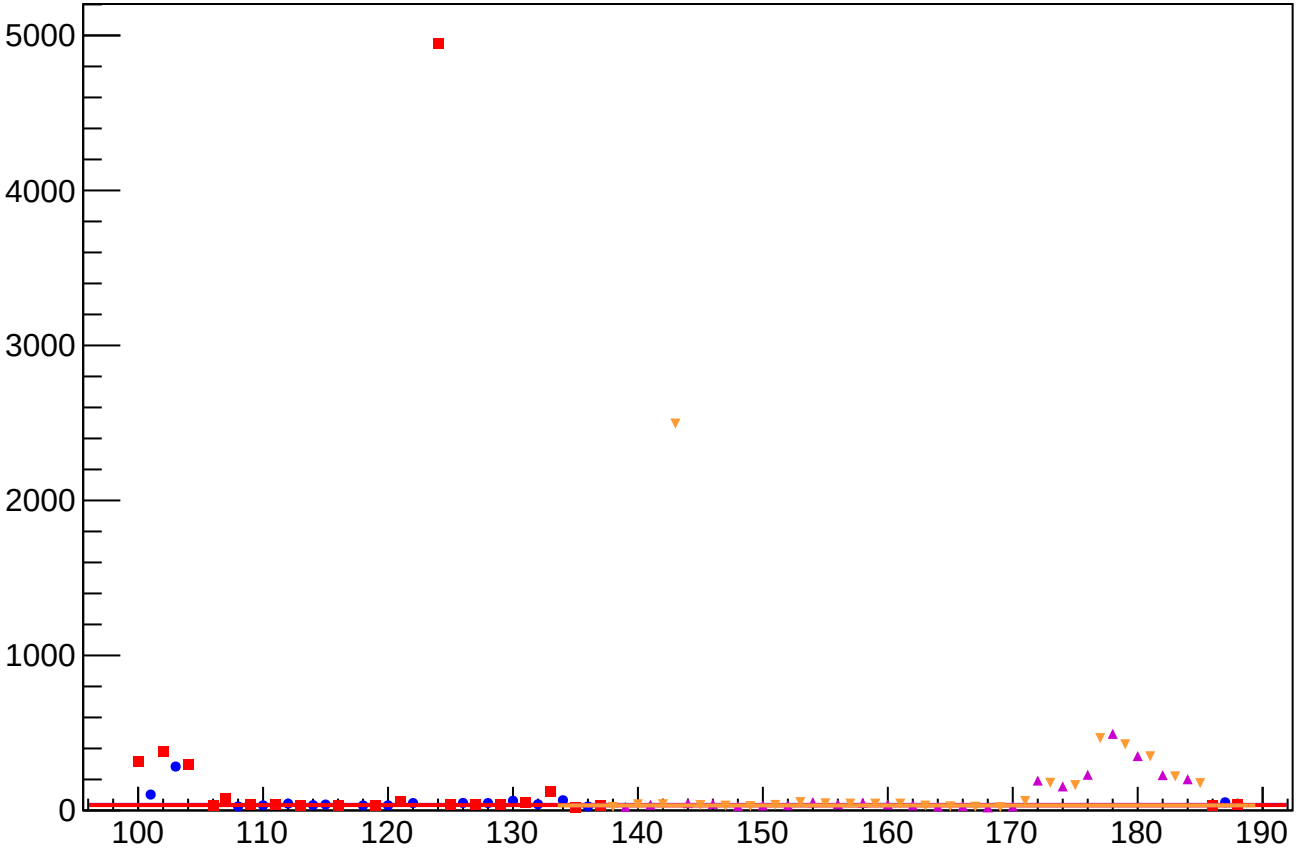
Right: 0.003+/-0.010 χ^2/NDF: 29.5/37

In: 0.012+/-0.008 χ^2/NDF:24.8/39

Out: -0.022+/-0.008 χ^2/NDF:45.8/45

All: -0.005+/-0.006 χ^2/NDF: 79.9/85

asym_atl_avg_atr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 35.995+/-0.011 χ^2/NDF: 2299982.4/16

Left Out: 32.551+/-0.007 χ^2/NDF:10872015.8/24

Right Out: 34.604+/-0.010 χ^2/NDF: 2943146.3/20

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

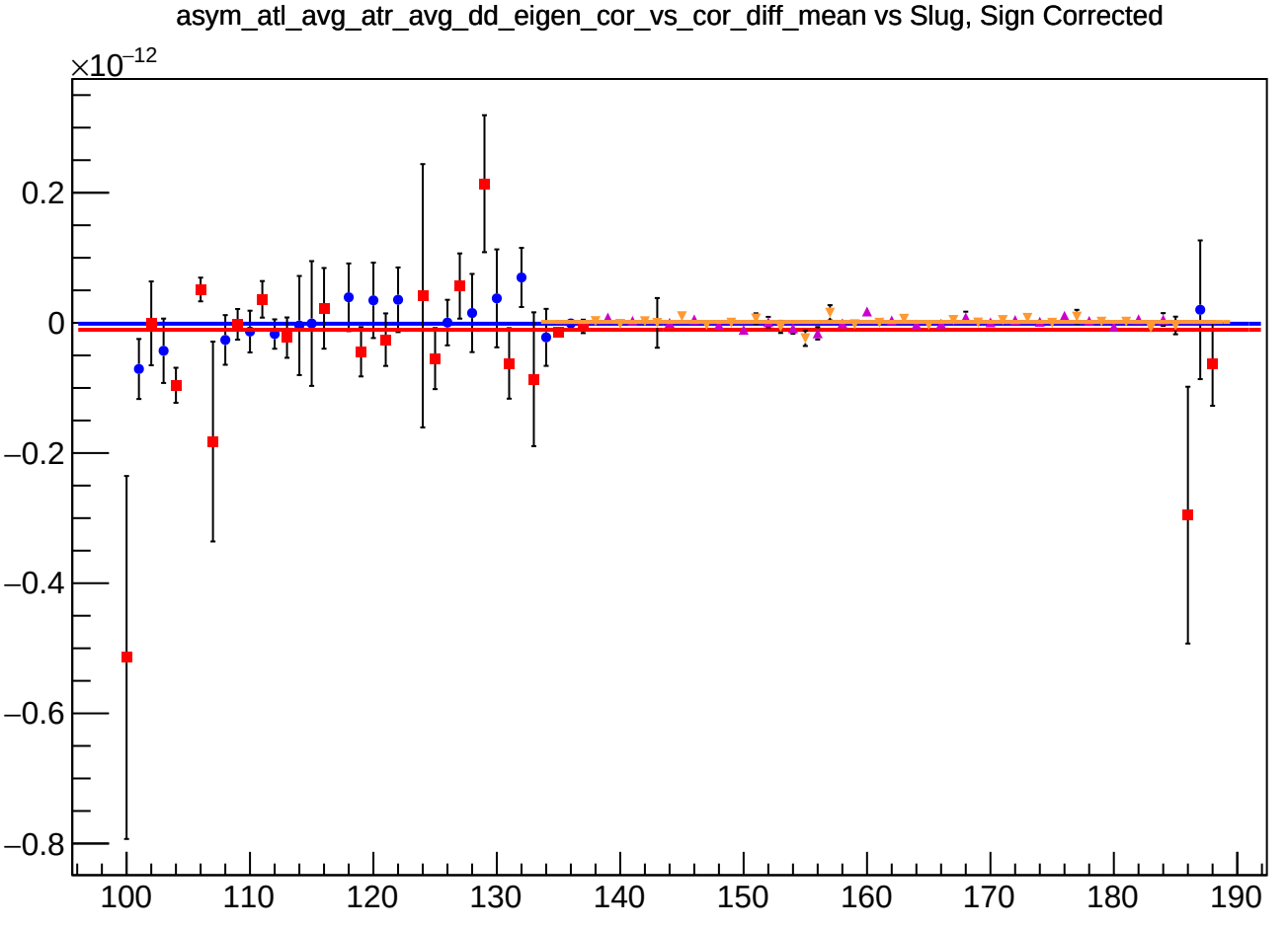
Left: 32.644+/-0.005 χ^2/NDF: 19836272.3/47

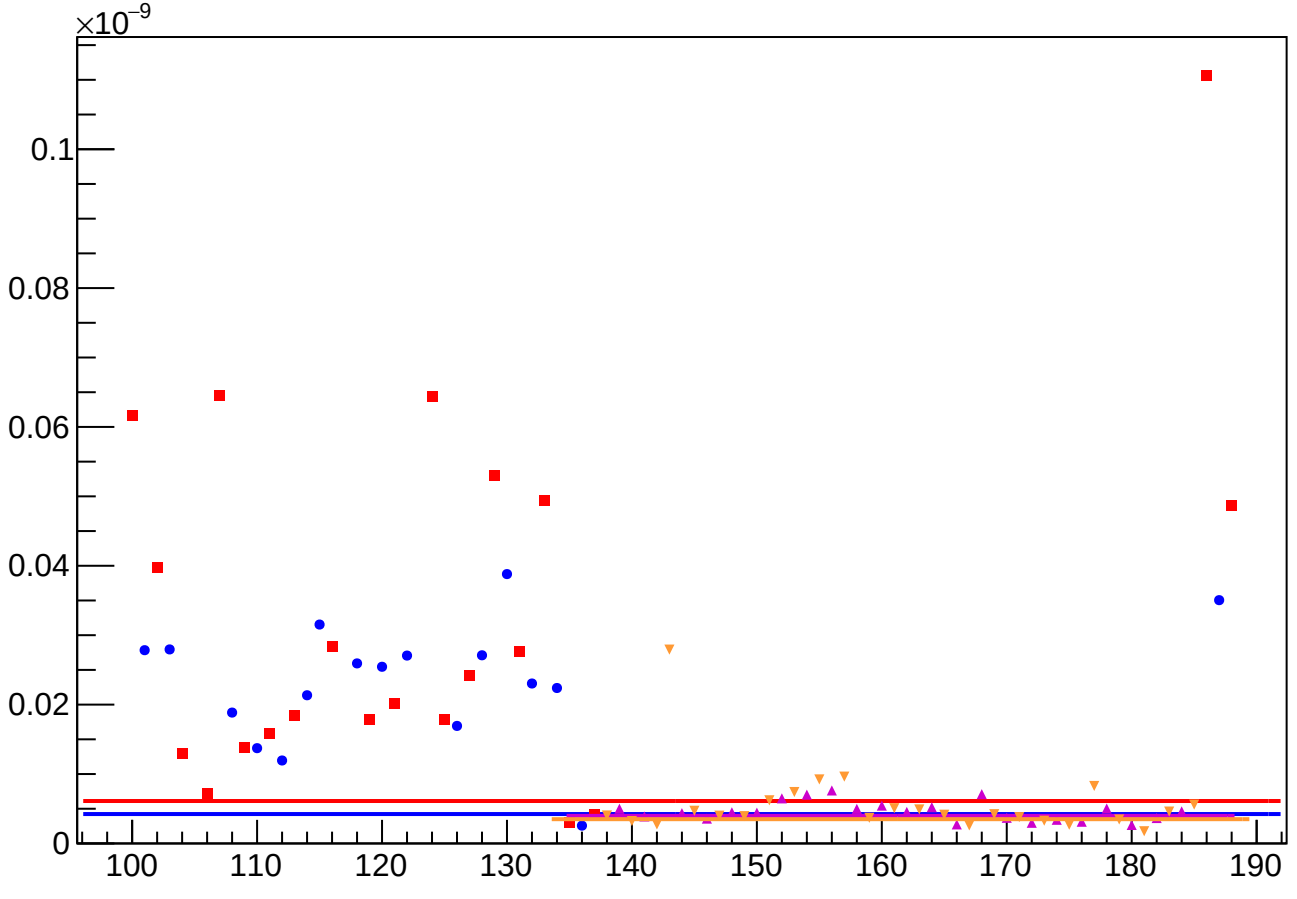
Right: 35.241+/-0.007 χ^2/NDF: 5252068.6/37

In: 33.641+/-0.006 χ^2/NDF:11329143.8/39

Out: 33.195+/-0.006 χ^2/NDF:13844349.7/45

All: 33.413+/-0.004 χ^2/NDF: 25176621.7/85


asym_atl_avg_atr_avg_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.2
0
−0.2
−0.4
−0.6
−0.8
100
110
120
130
140
150
160
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 8.7/16
Left Out: 0.000+/-0.000 χ²/NDF:18.1/24
Right Out: -0.000+/-0.000 χ²/NDF: 42.6/20
Left In: 0.000+/-0.000 χ²/NDF:28.7/22
Left: 0.000+/-0.000 χ²/NDF: 46.8/47
Right: -0.000+/-0.000 χ²/NDF: 54.3/37
In: 0.000+/-0.000 χ²/NDF:37.8/39
Out: 0.000+/-0.000 χ²/NDF:68.7/45
All: 0.000+/-0.000 χ²/NDF: 106.5/85



Right In: 0.000+/-0.000 χ^2/NDF: 5247535.5/16

Left Out: 0.000+/-0.000 χ^2/NDF:4688121.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6295310.3/20

Left In: 0.000+/-0.000 χ^2/NDF:2073078.0/22

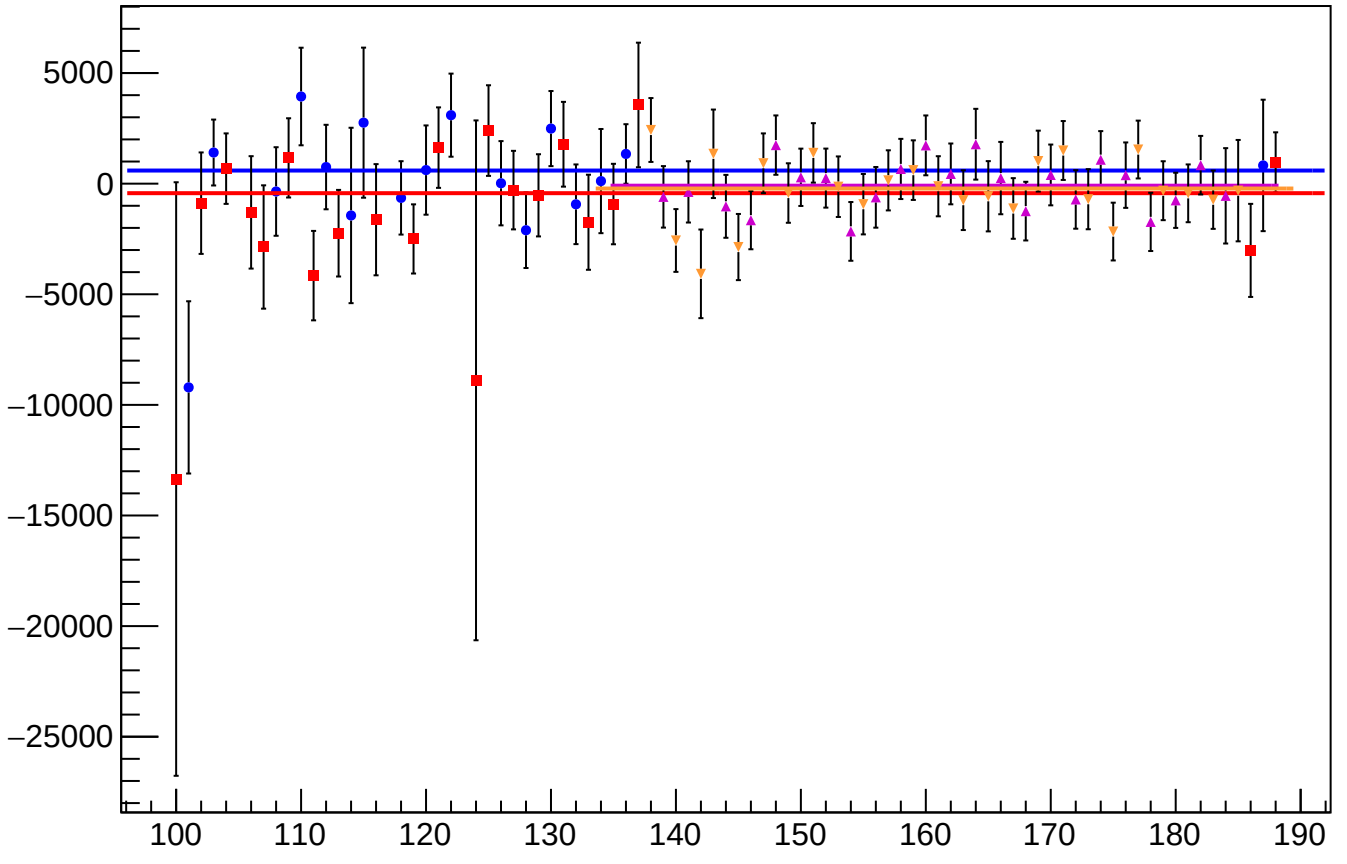
Left: 0.000+/-0.000 χ^2/NDF: 6948707.3/47

Right: 0.000+/-0.000 χ^2/NDF: 11785699.9/37

In: 0.000+/-0.000 χ^2/NDF:7331208.2/39

Out: 0.000+/-0.000 χ^2/NDF:11725600.6/45

All: 0.000+/-0.000 χ^2/NDF: 19165032.9/85



Right In: 593.024+/-476.196 χ^2/NDF: 17.1/16

Left Out: -220.721+/-283.055 χ^2/NDF:23.9/24

Right Out: -430.074+/-442.880 χ^2/NDF: 19.4/20

Left In: -92.402+/-288.217 χ^2/NDF:14.7/22

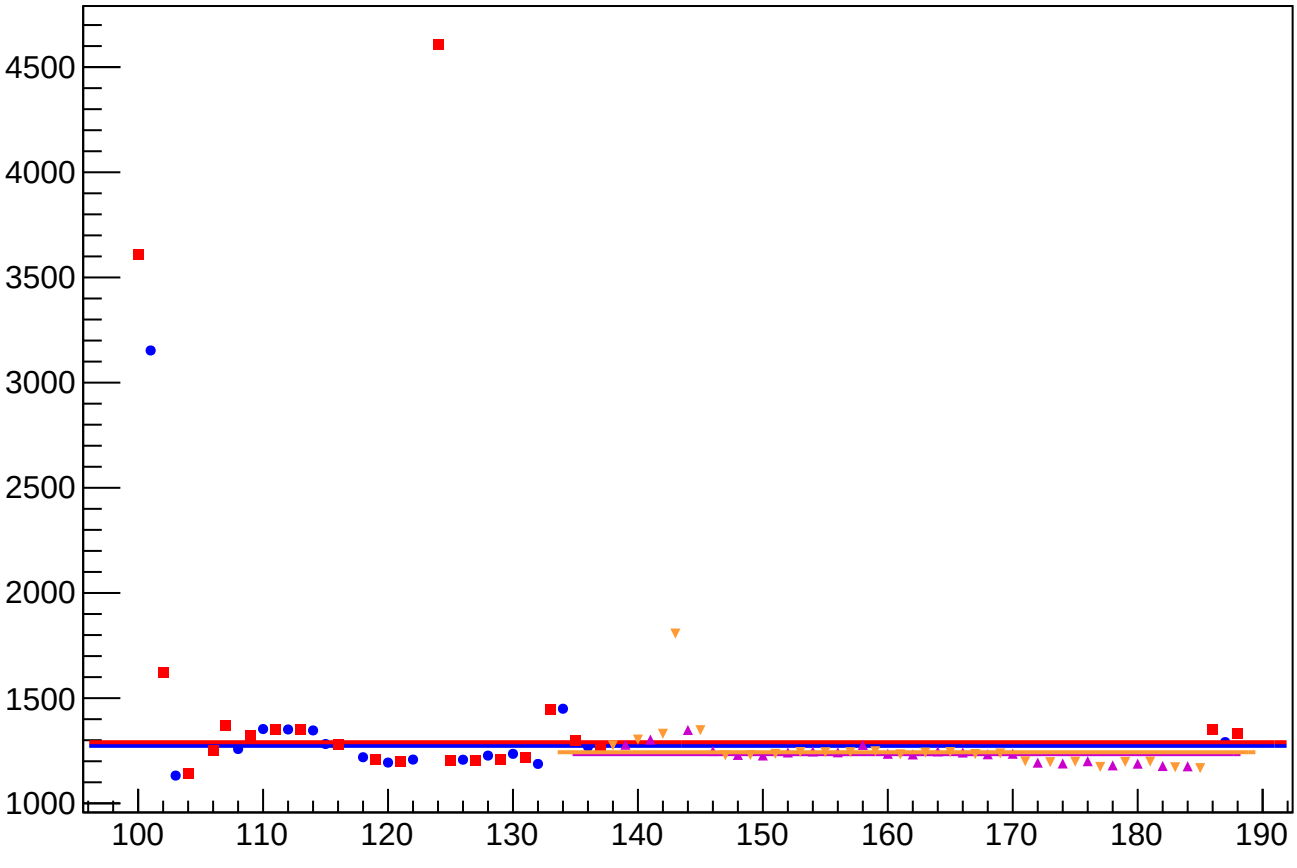
Left: -157.721+/-201.950 χ^2/NDF: 38.7/47

Right: 44.437+/-324.302 χ^2/NDF: 39.0/37

In: 91.368+/-246.571 χ^2/NDF:33.3/39

Out: -281.436+/-238.504 χ^2/NDF:43.5/45

All: -101.233+/-171.429 χ^2/NDF: 78.0/85



Right In: 1273.276+/-0.337 χ^2/NDF: 519372.5/16

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

Right Out: 1290.531+/-0.313 χ^2/NDF: 326092.8/20

Left In: 1233.752+/-0.204 χ^2/NDF:39281.8/22

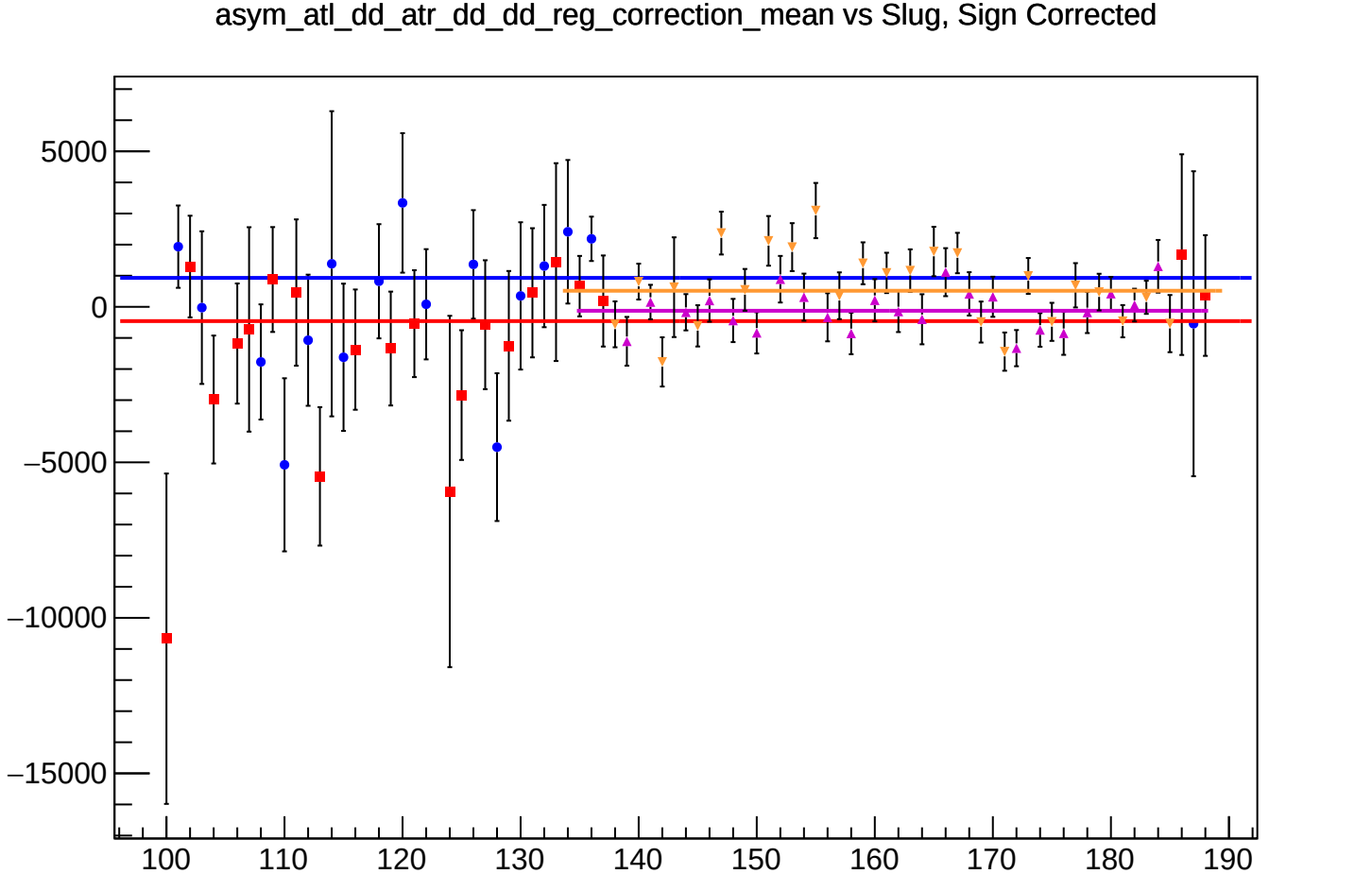
Left: 1238.371+/-0.143 χ^2/NDF: 243589.7/47

Right: 1282.528+/-0.229 χ^2/NDF: 846873.5/37

In: 1244.349+/-0.174 χ^2/NDF:568738.0/39

Out: 1256.660+/-0.169 χ^2/NDF:545868.4/45

All: 1250.709+/-0.121 χ^2/NDF: 1117182.3/85



Right In: 930.636+/-424.240 χ^2/NDF: 20.0/16

Left Out: 516.792+/-135.746 χ^2/NDF:67.0/24

Right Out: -458.611+/-425.275 χ^2/NDF: 17.8/20

Left In: -126.569+/-137.266 χ^2/NDF:21.6/22

Left: 198.694+/-96.520 χ^2/NDF: 99.7/47

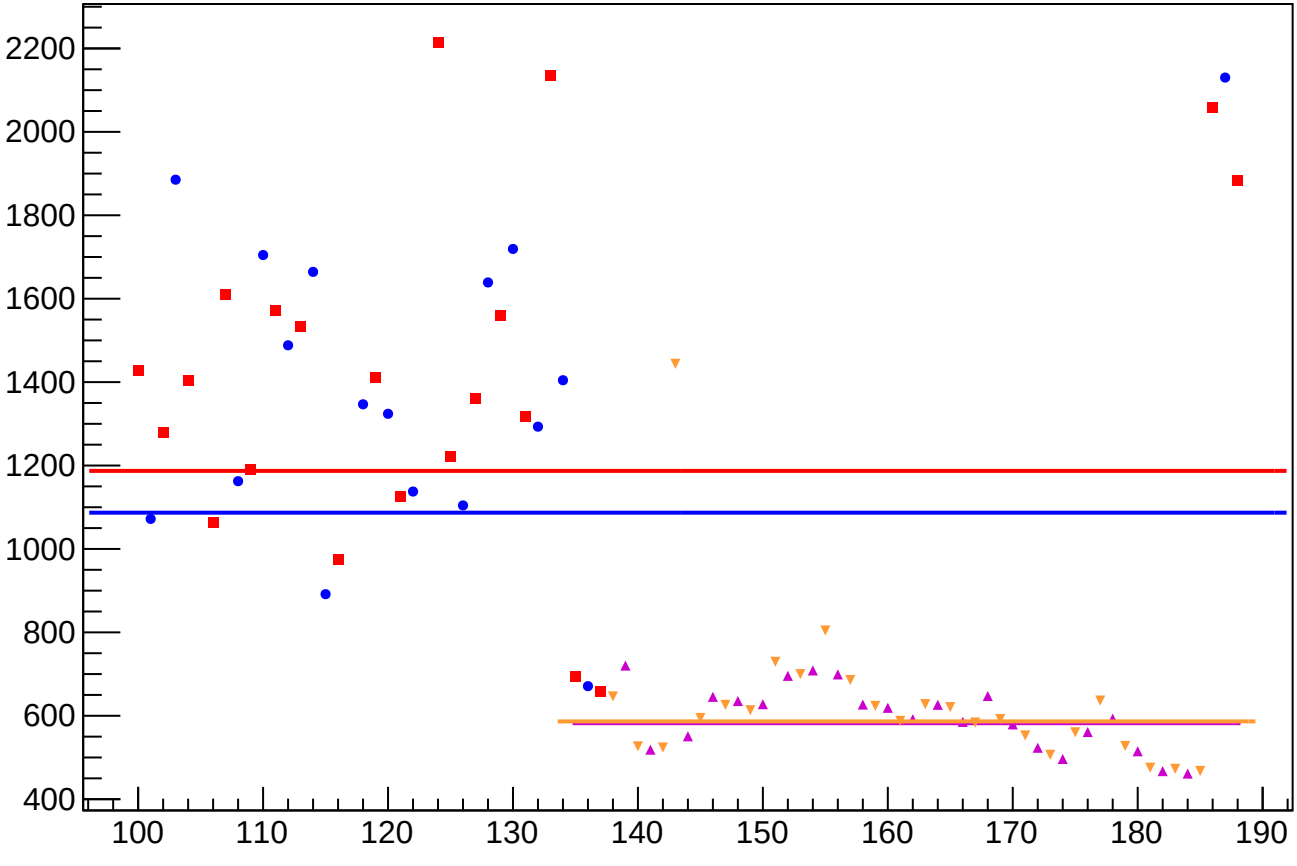
Right: 237.706+/-300.348 χ^2/NDF: 43.2/37

In: -26.379+/-130.600 χ^2/NDF:47.2/39

Out: 426.601+/-129.318 χ^2/NDF:89.6/45

All: 202.345+/-91.892 χ^2/NDF: 142.9/85

asym_atl_dd_atr_dd_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 1086.989+/-0.300 χ^2/NDF: 1573454.6/16

Left Out: 586.557+/-0.096 χ^2/NDF:1202915.7/24

Right Out: 1187.148+/-0.301 χ^2/NDF: 1724492.9/20

Left In: 582.190+/-0.097 χ^2/NDF:559261.3/22

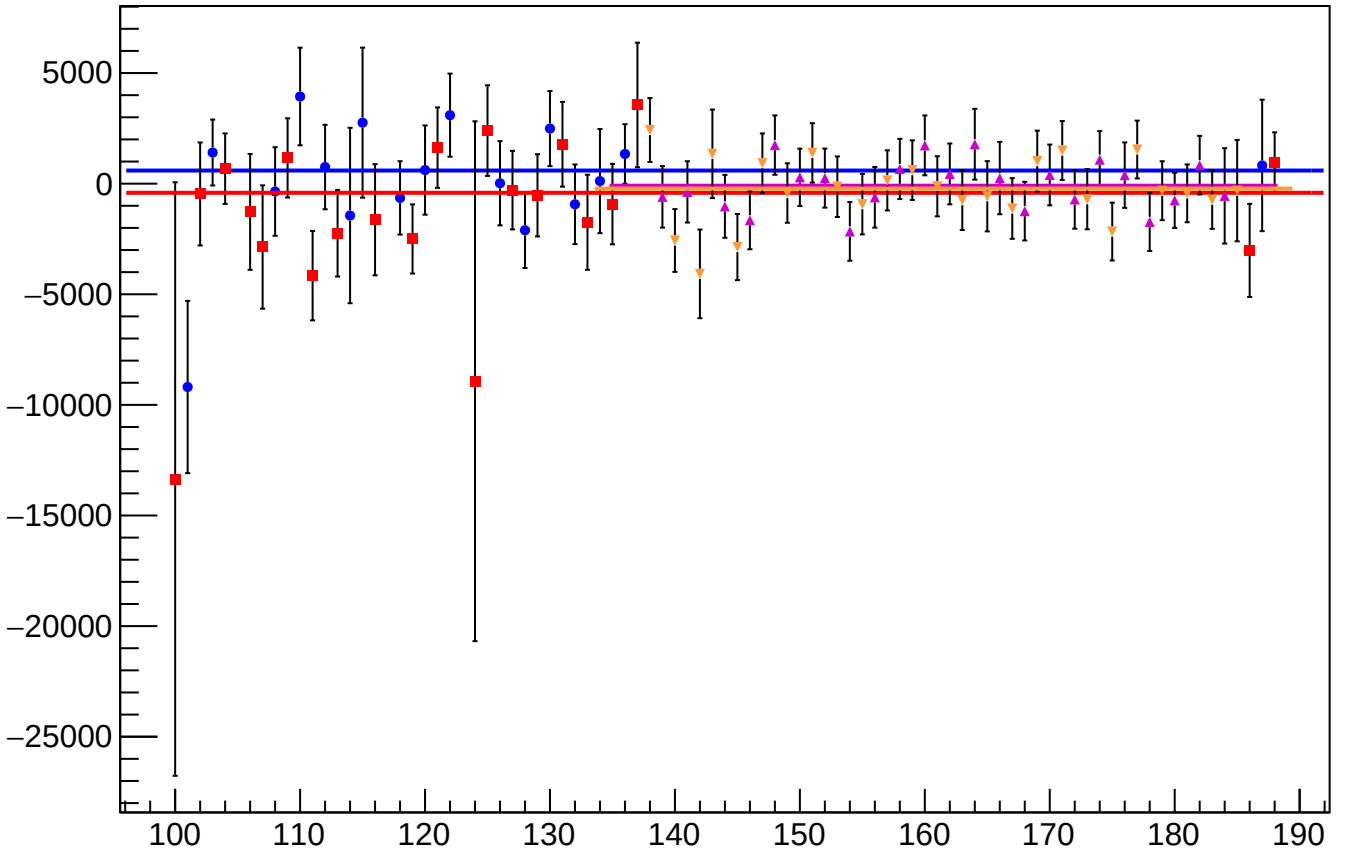
Left: 584.398+/-0.068 χ^2/NDF: 1763200.3/47

Right: 1136.946+/-0.212 χ^2/NDF: 3353550.8/37

In: 630.029+/-0.092 χ^2/NDF:4696033.9/39

Out: 642.091+/-0.091 χ^2/NDF:6547421.4/45

All: 636.120+/-0.065 χ^2/NDF: 11252068.9/85



Right In: 593.339+/-476.196 χ^2/NDF: 17.1/16

Left Out: -220.755+/-283.055 χ^2/NDF:23.9/24

Right Out: -412.448+/-443.519 χ^2/NDF: 19.4/20

Left In: -92.472+/-288.217 χ^2/NDF:14.7/22

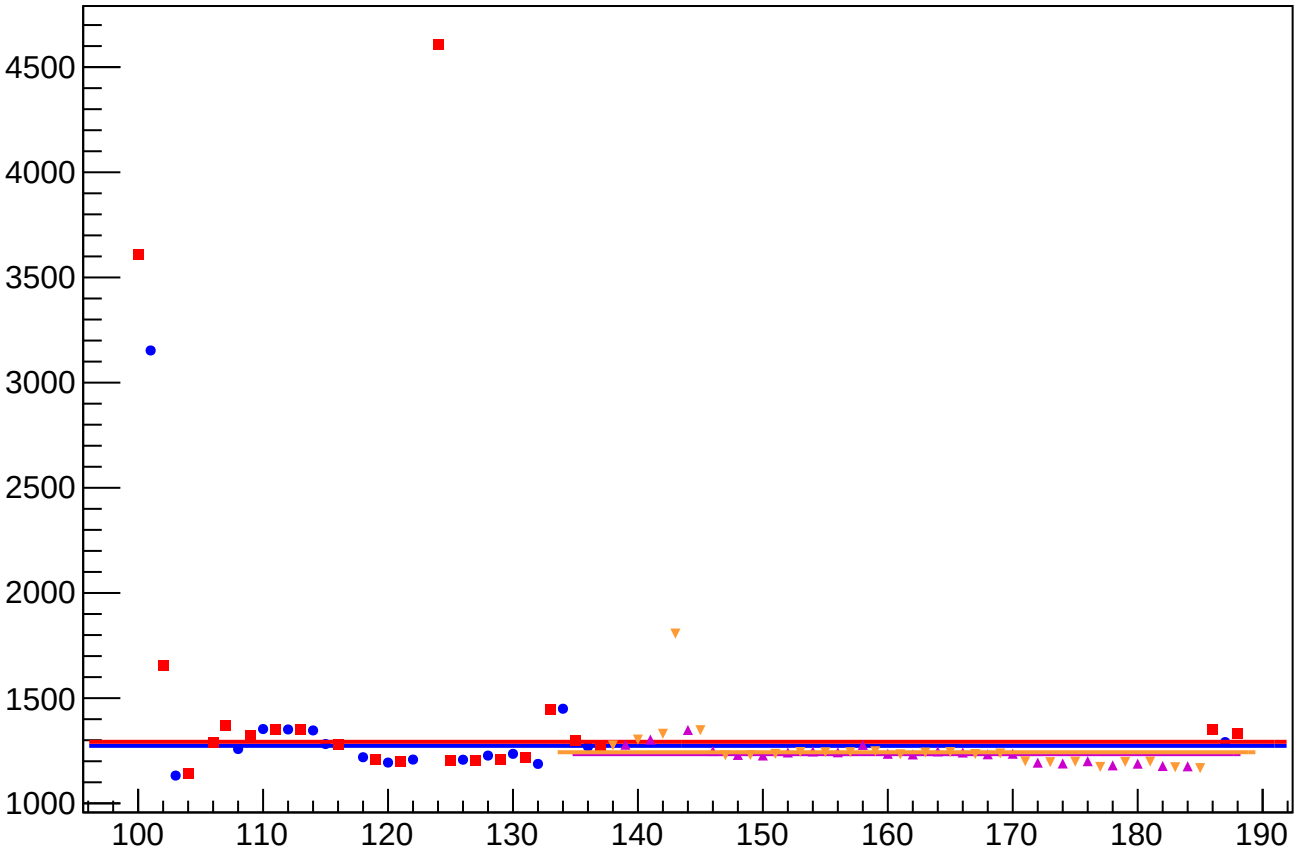
Left: -157.773+/-201.950 χ^2/NDF: 38.7/47

Right: 54.756+/-324.553 χ^2/NDF: 38.8/37

In: 91.401+/-246.571 χ^2/NDF:33.3/39

Out: -276.235+/-238.604 χ^2/NDF:43.4/45

All: -98.453+/-171.466 χ^2/NDF: 77.8/85



Right In: 1273.276+/-0.337 χ^2/NDF: 519374.0/16

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

Right Out: 1292.498+/-0.314 χ^2/NDF: 332430.3/20

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

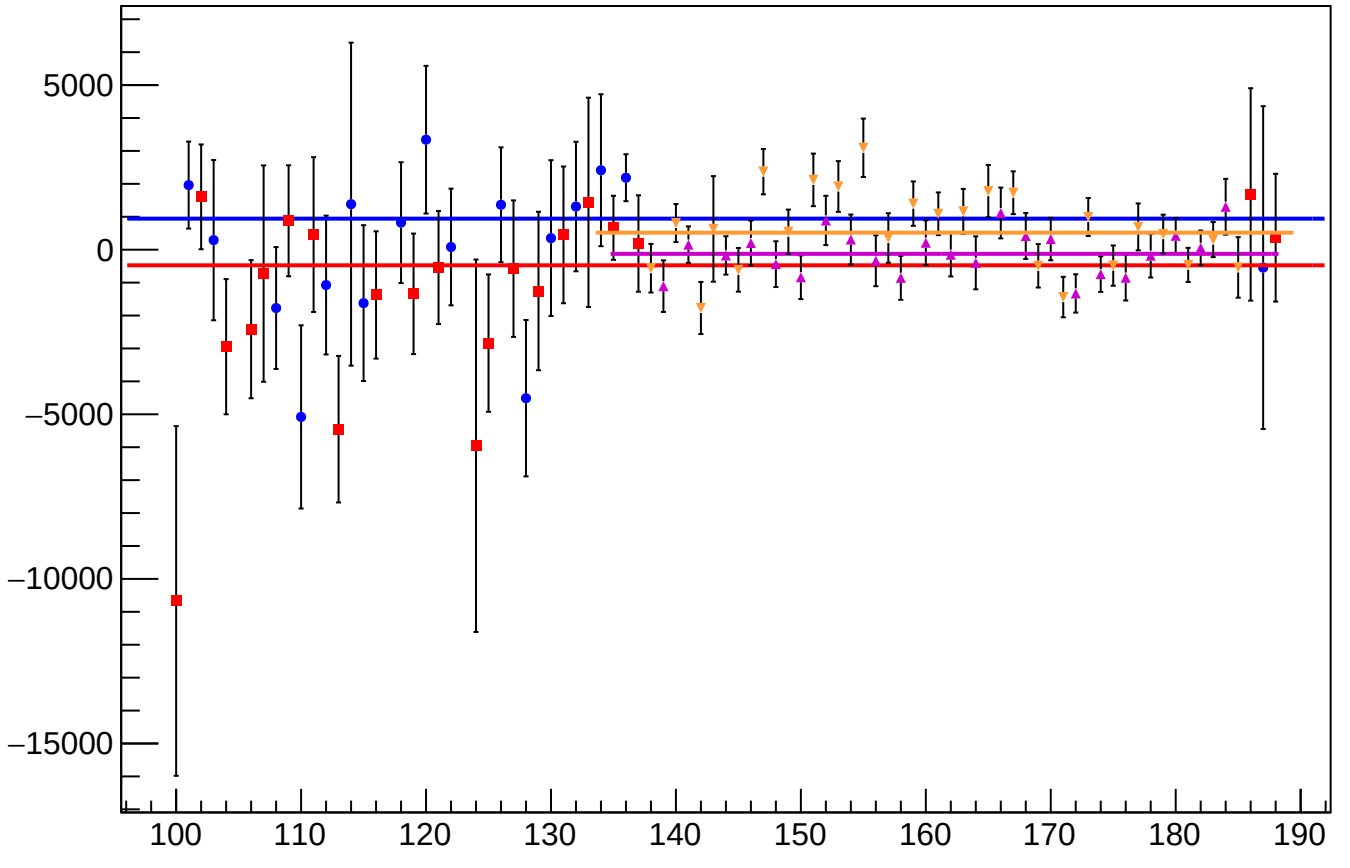
Left: 1238.371+/-0.143 χ^2/NDF: 243589.6/47

Right: 1283.569+/-0.229 χ^2/NDF: 853549.4/37

In: 1244.349+/-0.174 χ^2/NDF:568739.3/39

Out: 1257.201+/-0.169 χ^2/NDF:553556.2/45

All: 1250.986+/-0.121 χ^2/NDF: 1125101.7/85



Right In: 942.939+/-424.065 χ^2/NDF: 20.0/16

Left Out: 516.811+/-135.747 χ^2/NDF:67.0/24

Right Out: -474.485+/-426.046 χ^2/NDF: 19.0/20

Left In: -126.549+/-137.266 χ^2/NDF:21.6/22

Left: 198.710+/-96.520 χ^2/NDF: 99.7/47

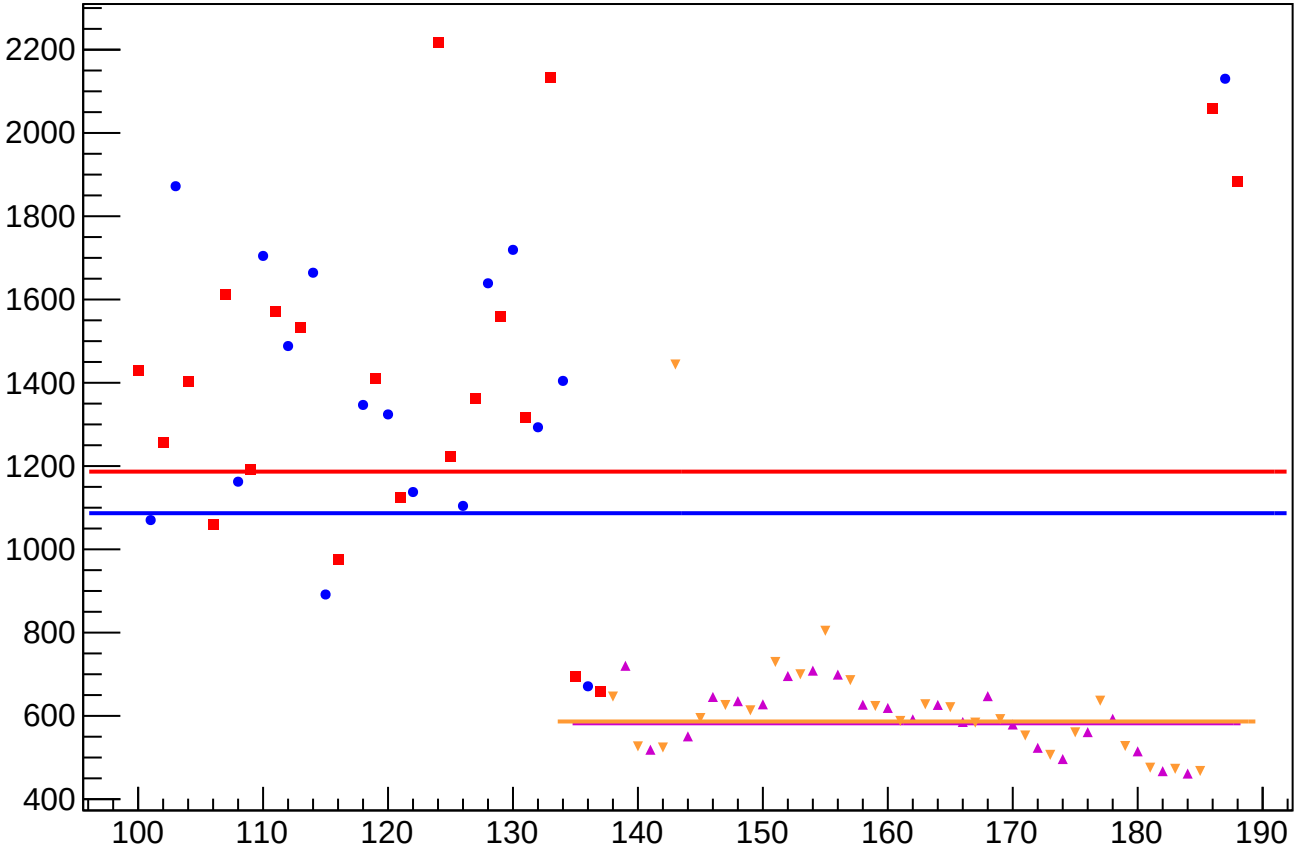
Right: 237.529+/-300.557 χ^2/NDF: 44.6/37

In: -25.120+/-130.595 χ^2/NDF:47.3/39

Out: 425.451+/-129.340 χ^2/NDF:91.0/45

All: 202.339+/-91.898 χ^2/NDF: 144.3/85

asym_atl_dd_atr_dd_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 1086.796+/-0.300 χ^2/NDF: 1569975.4/16

Left Out: 586.562+/-0.096 χ^2/NDF:1202822.0/24

Right Out: 1186.652+/-0.301 χ^2/NDF: 1720986.2/20

Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

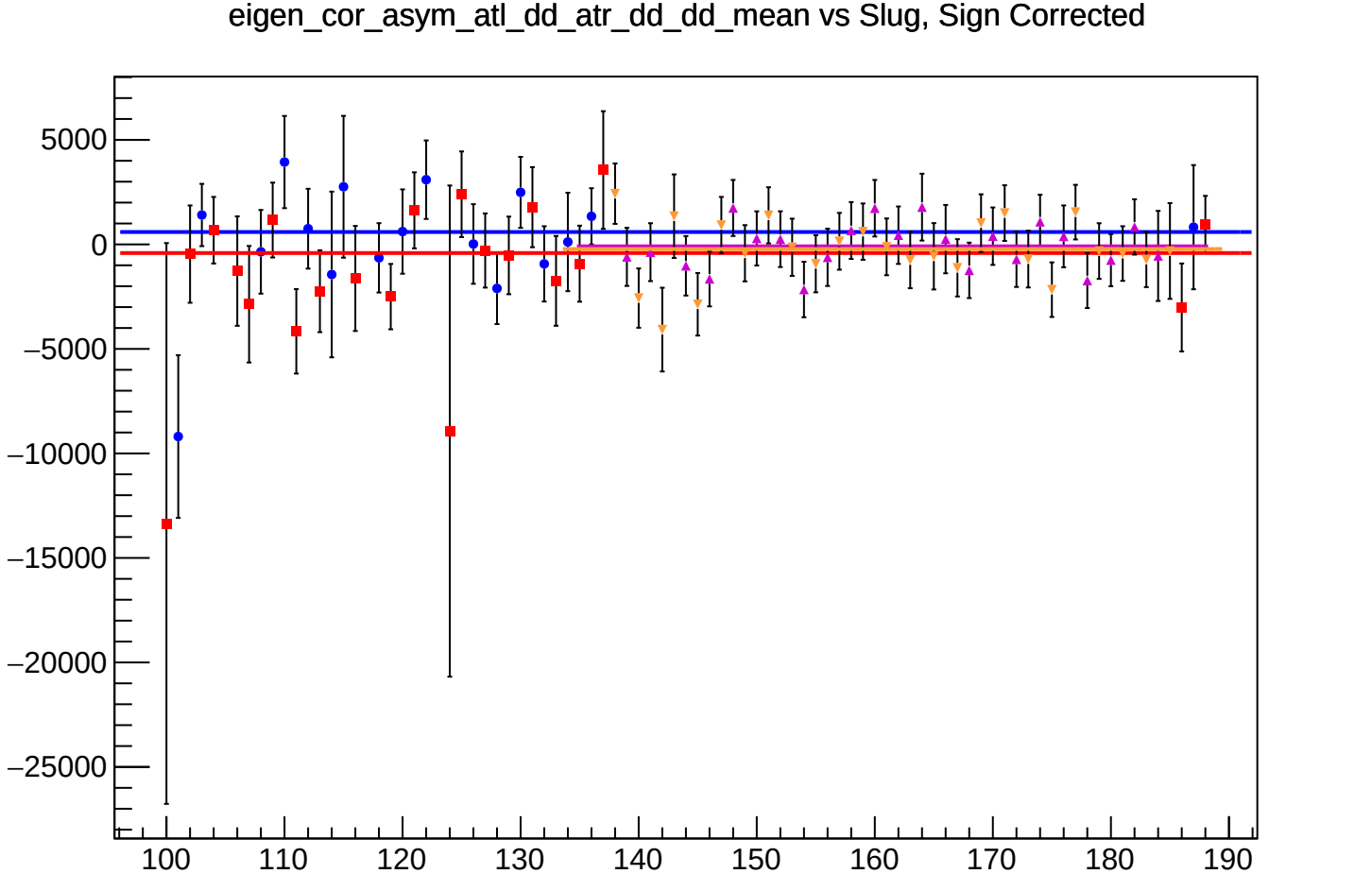
Left: 584.400+/-0.068 χ^2/NDF: 1763106.4/47

Right: 1136.491+/-0.213 χ^2/NDF: 3346150.7/37

In: 630.045+/-0.092 χ^2/NDF:4692520.1/39

Out: 641.868+/-0.091 χ^2/NDF:6525923.8/45

All: 636.013+/-0.065 χ^2/NDF: 11226719.1/85



Right In: 593.339+/-476.196 χ^2/NDF: 17.1/16

Left Out: -220.755+/-283.055 χ^2/NDF:23.9/24

Right Out: -412.448+/-443.519 χ^2/NDF: 19.4/20

Left In: -92.472+/-288.217 χ^2/NDF:14.7/22

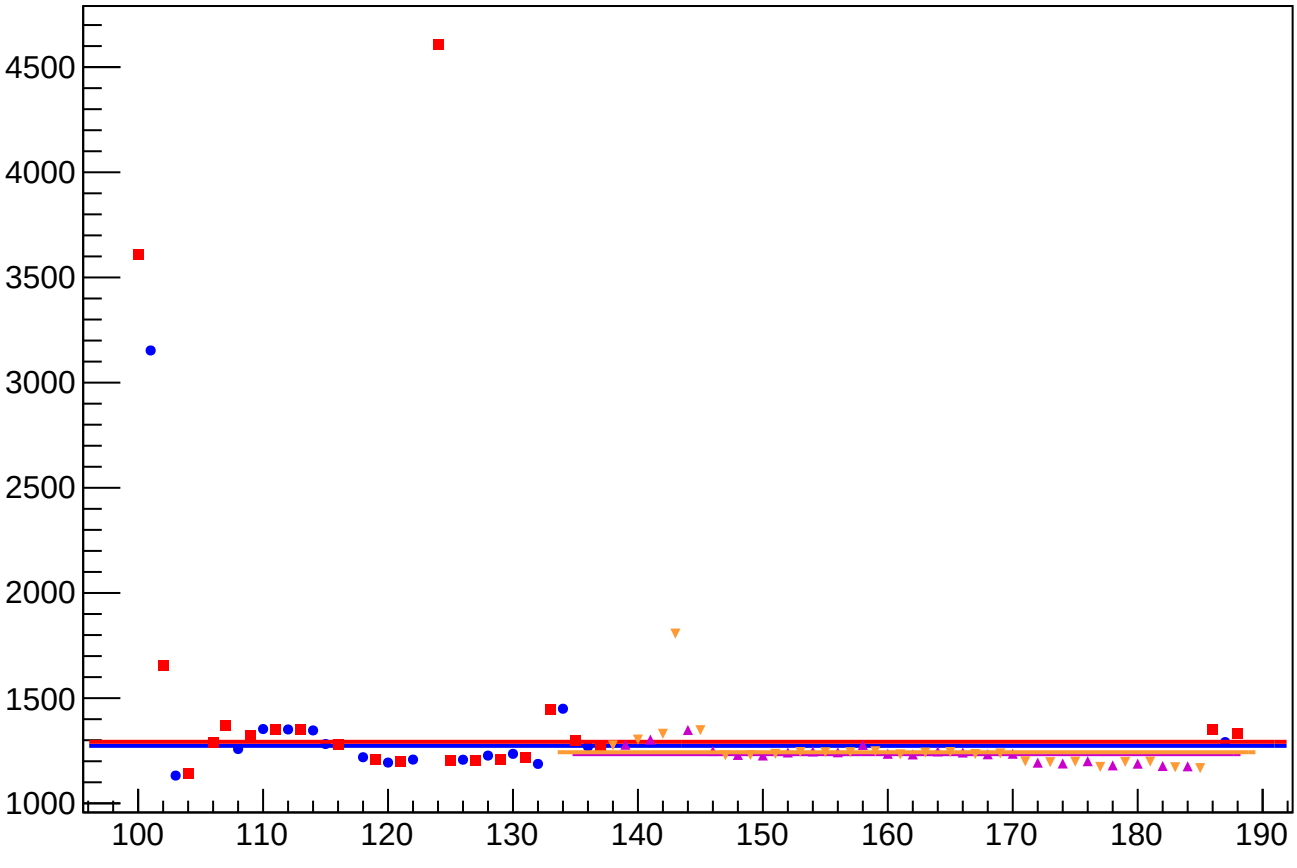
Left: -157.773+/-201.950 χ^2/NDF: 38.7/47

Right: 54.756+/-324.553 χ^2/NDF: 38.8/37

In: 91.401+/-246.571 χ^2/NDF:33.3/39

Out: -276.235+/-238.604 χ^2/NDF:43.4/45

All: -98.453+/-171.466 χ^2/NDF: 77.8/85



Right In: 1273.276+/-0.337 χ^2/NDF: 519374.0/16

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

Right Out: 1292.498+/-0.314 χ^2/NDF: 332430.3/20

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

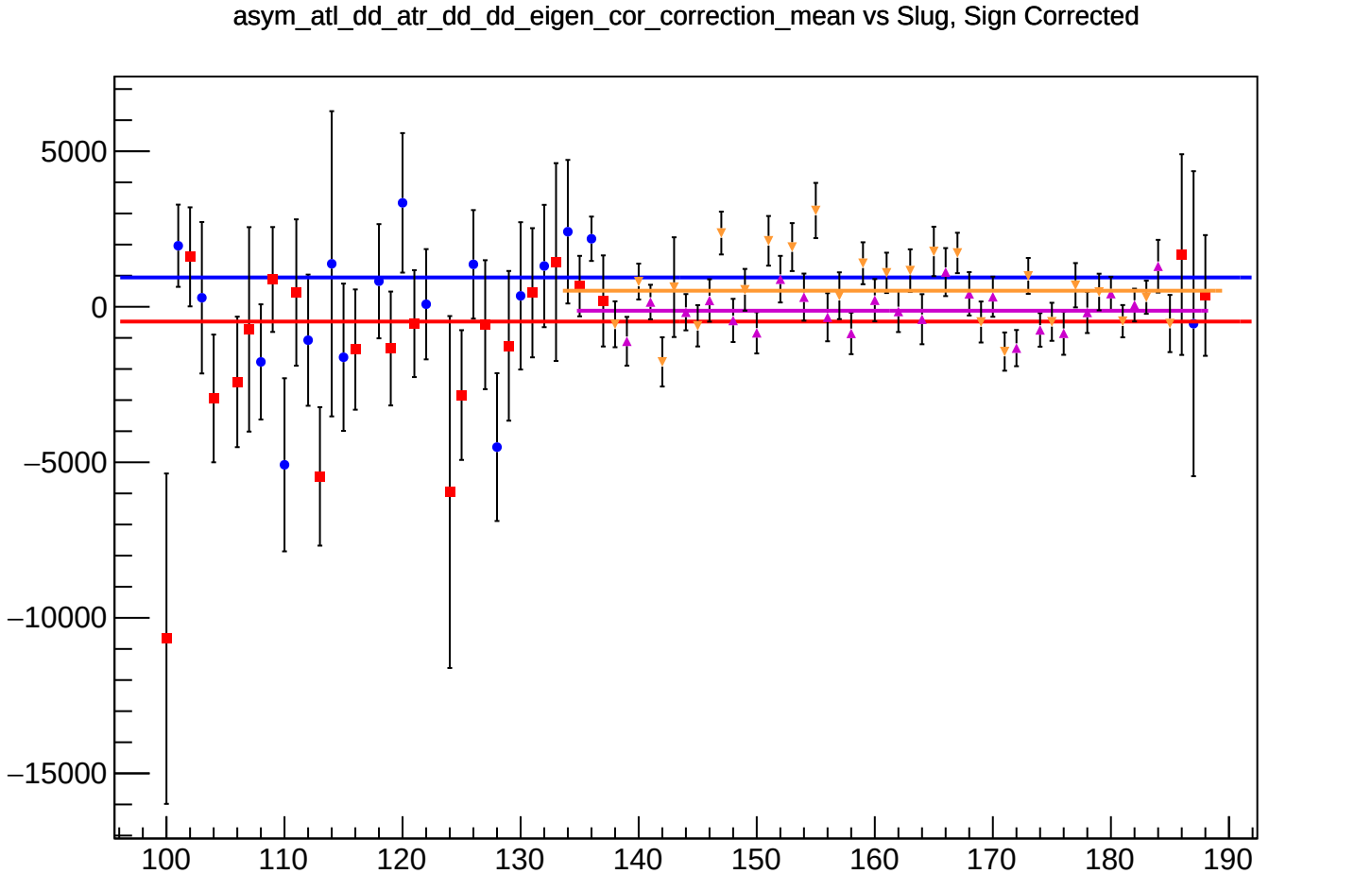
Left: 1238.371+/-0.143 χ^2/NDF: 243589.6/47

Right: 1283.569+/-0.229 χ^2/NDF: 853549.4/37

In: 1244.349+/-0.174 χ^2/NDF:568739.3/39

Out: 1257.201+/-0.169 χ^2/NDF:553556.2/45

All: 1250.986+/-0.121 χ^2/NDF: 1125101.7/85



Right In: 942.939+/-424.065 χ^2/NDF: 20.0/16

Left Out: 516.811+/-135.747 χ^2/NDF:67.0/24

Right Out: -474.485+/-426.046 χ^2/NDF: 19.0/20

Left In: -126.549+/-137.266 χ^2/NDF:21.6/22

Left: 198.710+/-96.520 χ^2/NDF: 99.7/47

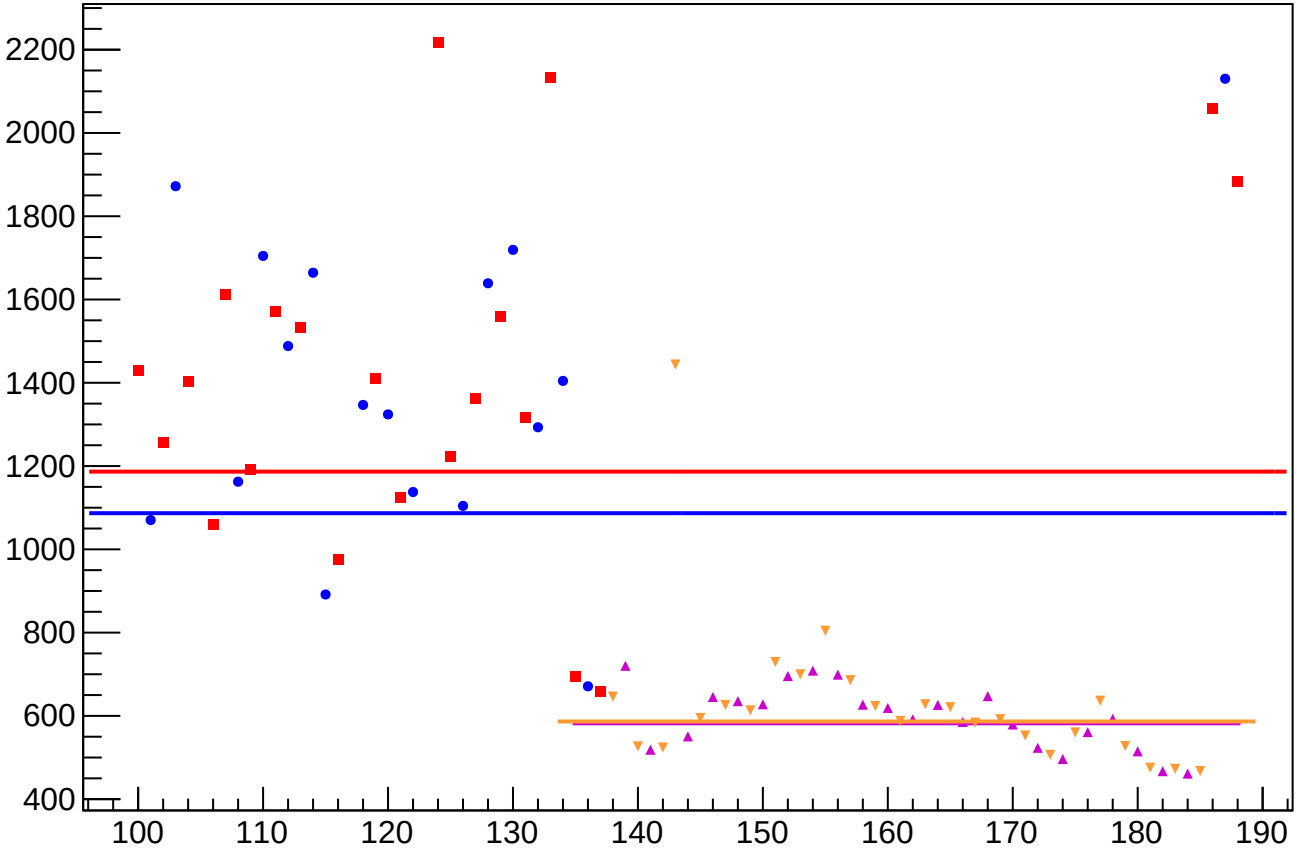
Right: 237.529+/-300.557 χ^2/NDF: 44.6/37

In: -25.120+/-130.595 χ^2/NDF:47.3/39

Out: 425.451+/-129.340 χ^2/NDF:91.0/45

All: 202.339+/-91.898 χ^2/NDF: 144.3/85

asym_atl_dd_atr_dd_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1086.796+/-0.300 χ^2/NDF: 1569975.4/16

Left Out: 586.562+/-0.096 χ^2/NDF:1202822.0/24

Right Out: 1186.652+/-0.301 χ^2/NDF: 1720986.2/20

Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

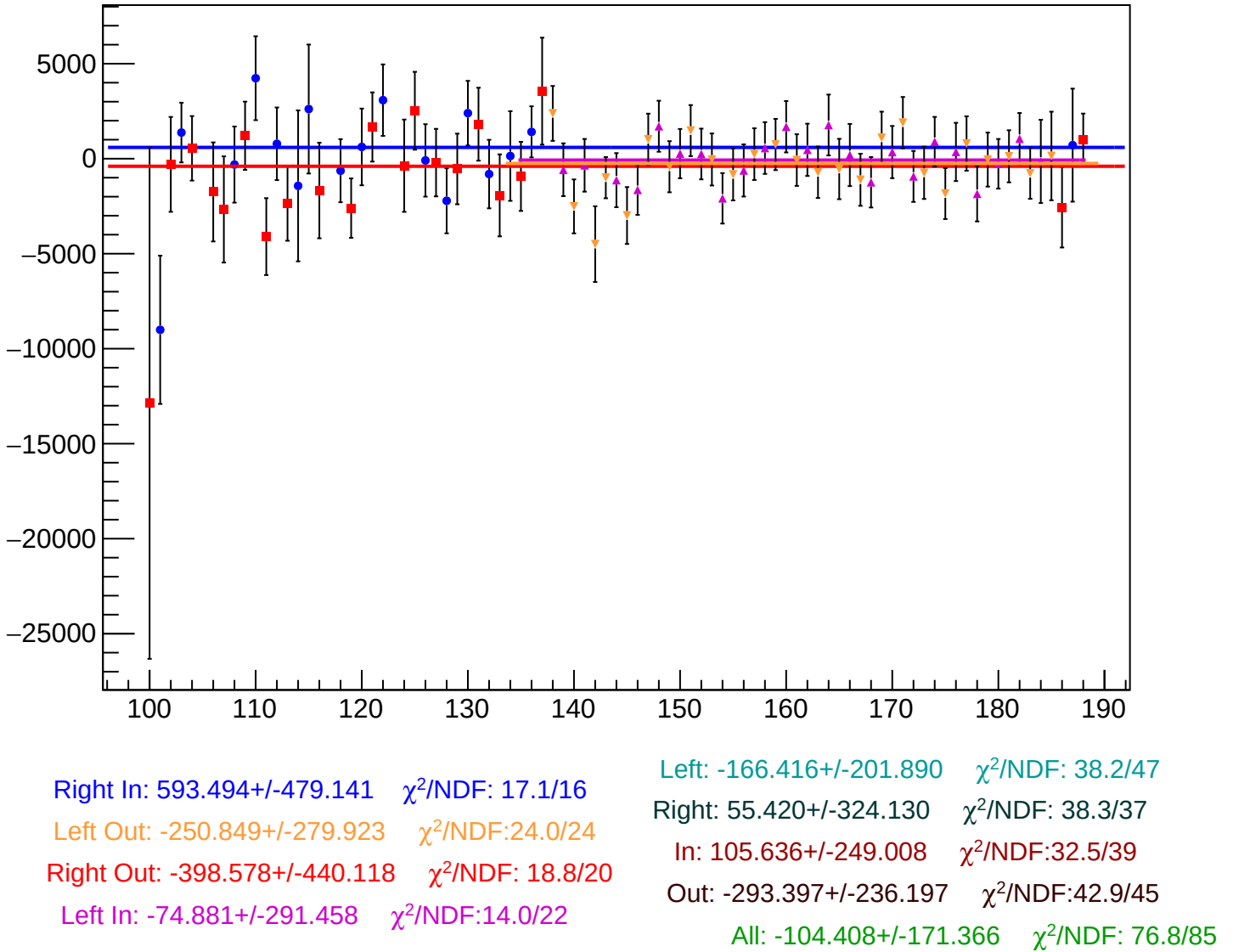
Left: 584.400+/-0.068 χ^2/NDF: 1763106.4/47

Right: 1136.491+/-0.213 χ^2/NDF: 3346150.7/37

In: 630.045+/-0.092 χ^2/NDF:4692520.1/39

Out: 641.868+/-0.091 χ^2/NDF:6525923.8/45

All: 636.013+/-0.065 χ^2/NDF: 11226719.1/85


dit_asym_atl_dd_atr_dd_dd_mean vs Slug, Sign Corrected
5000
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−10000
−15000
−20000
−25000
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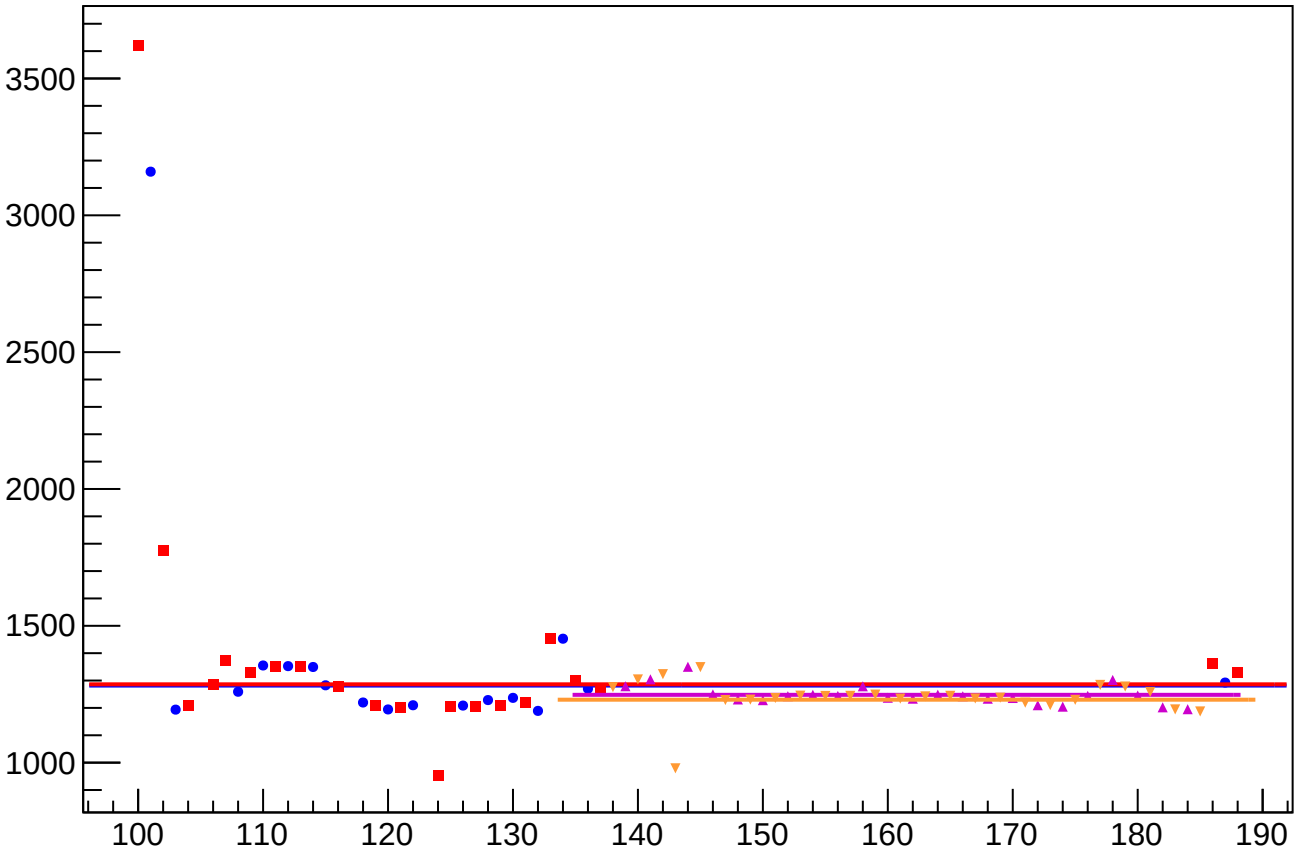
170
180
190
Right In: 593.494+/-479.141 χ²/NDF: 17.1/16
Left Out: -250.849+/-279.923 χ²/NDF:24.0/24
Right Out: -398.578+/-440.118 χ²/NDF: 18.8/20
Left In: -74.881+/-291.458 χ²/NDF:14.0/22
Left: -166.416+/-201.890 χ²/NDF: 38.2/47
Right: 55.420+/-324.130 χ²/NDF: 38.3/37
In: 105.636+/-249.008 χ²/NDF:32.5/39
Out: -293.397+/-236.197 χ²/NDF:42.9/45
All: -104.408+/-171.366 χ²/NDF: 76.8/85



Right In: 1281.660+/-0.339 χ^2/NDF: 507106.2/16

Left Out: 1229.986+/-0.198 χ^2/NDF:141607.5/24

Right Out: 1286.171+/-0.311 χ^2/NDF: 225975.6/20

Left In: 1247.785+/-0.206 χ^2/NDF:27340.8/22

Left: 1238.526+/-0.143 χ^2/NDF: 172828.2/47

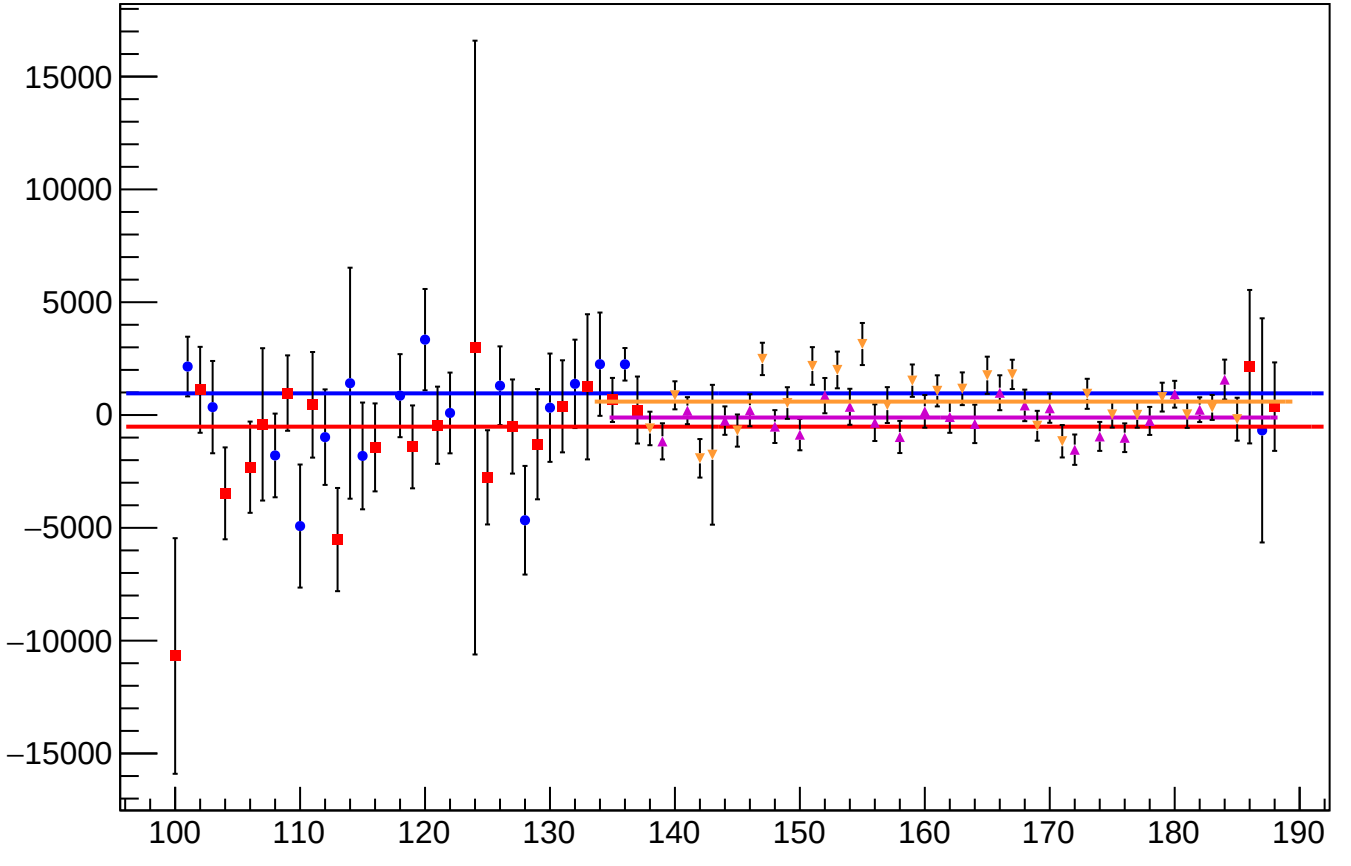
Right: 1284.107+/-0.229 χ^2/NDF: 733177.9/37

In: 1256.934+/-0.176 χ^2/NDF:541743.8/39

Out: 1246.168+/-0.167 χ^2/NDF:390789.7/45

All: 1251.267+/-0.121 χ^2/NDF: 934501.5/85

asym_atl_dd_atr_dd_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 960.265+/-423.669 χ^2/NDF: 20.6/16

Left Out: 595.000+/-142.130 χ^2/NDF:57.3/24

Right Out: -516.041+/-432.945 χ^2/NDF: 18.0/20

Left In: -110.252+/-144.232 χ^2/NDF:25.7/22

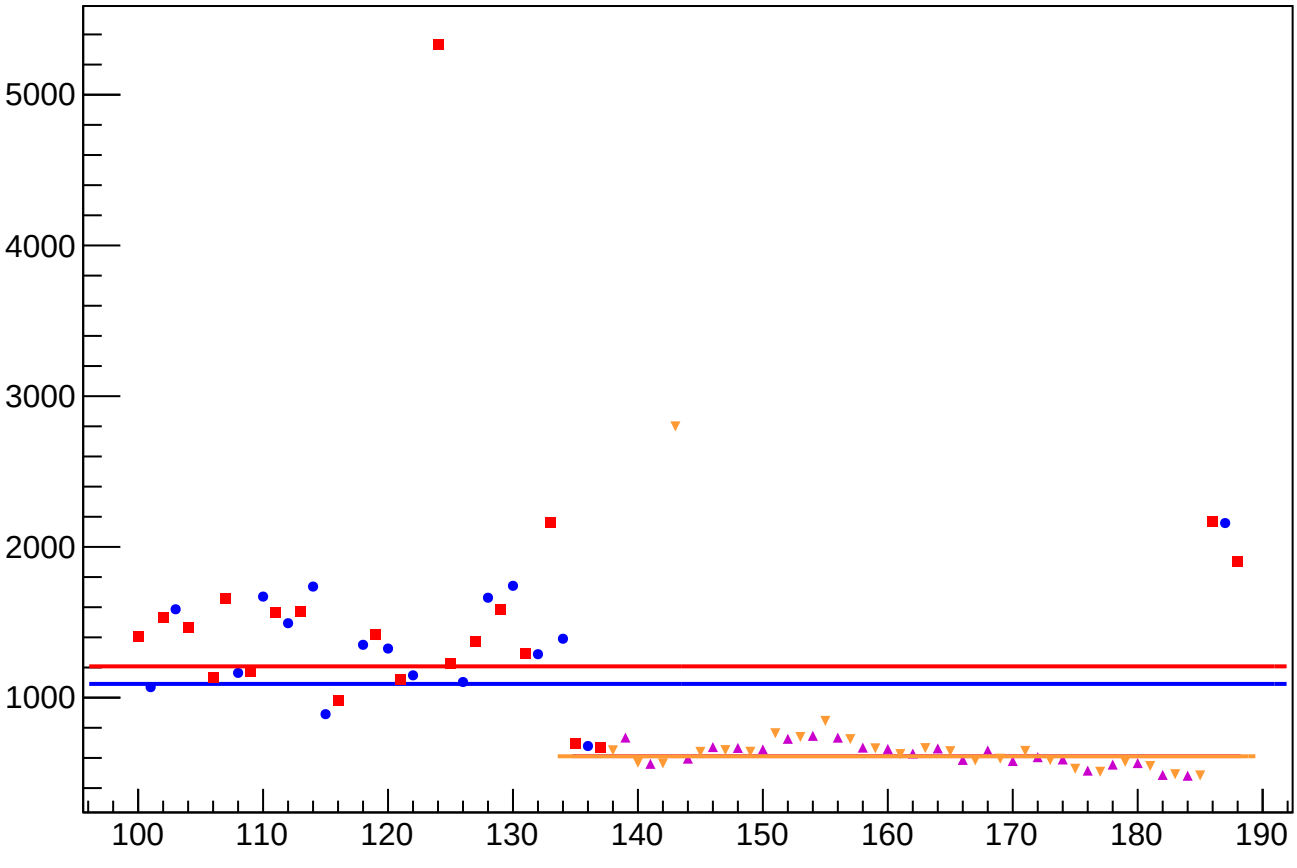
Left: 247.550+/-101.236 χ^2/NDF: 95.2/47

Right: 238.097+/-302.806 χ^2/NDF: 44.5/37

In: 0.932+/-136.537 χ^2/NDF:52.0/39

Out: 486.909+/-135.040 χ^2/NDF:81.3/45

All: 246.600+/-96.013 χ^2/NDF: 139.7/85



Right In: 1091.153+/-0.300 χ^2/NDF: 1453127.6/16

Left Out: 611.087+/-0.101 χ^2/NDF:1619322.3/24

Right Out: 1207.580+/-0.306 χ^2/NDF: 1926728.6/20

Left In: 612.399+/-0.102 χ^2/NDF:508595.4/22

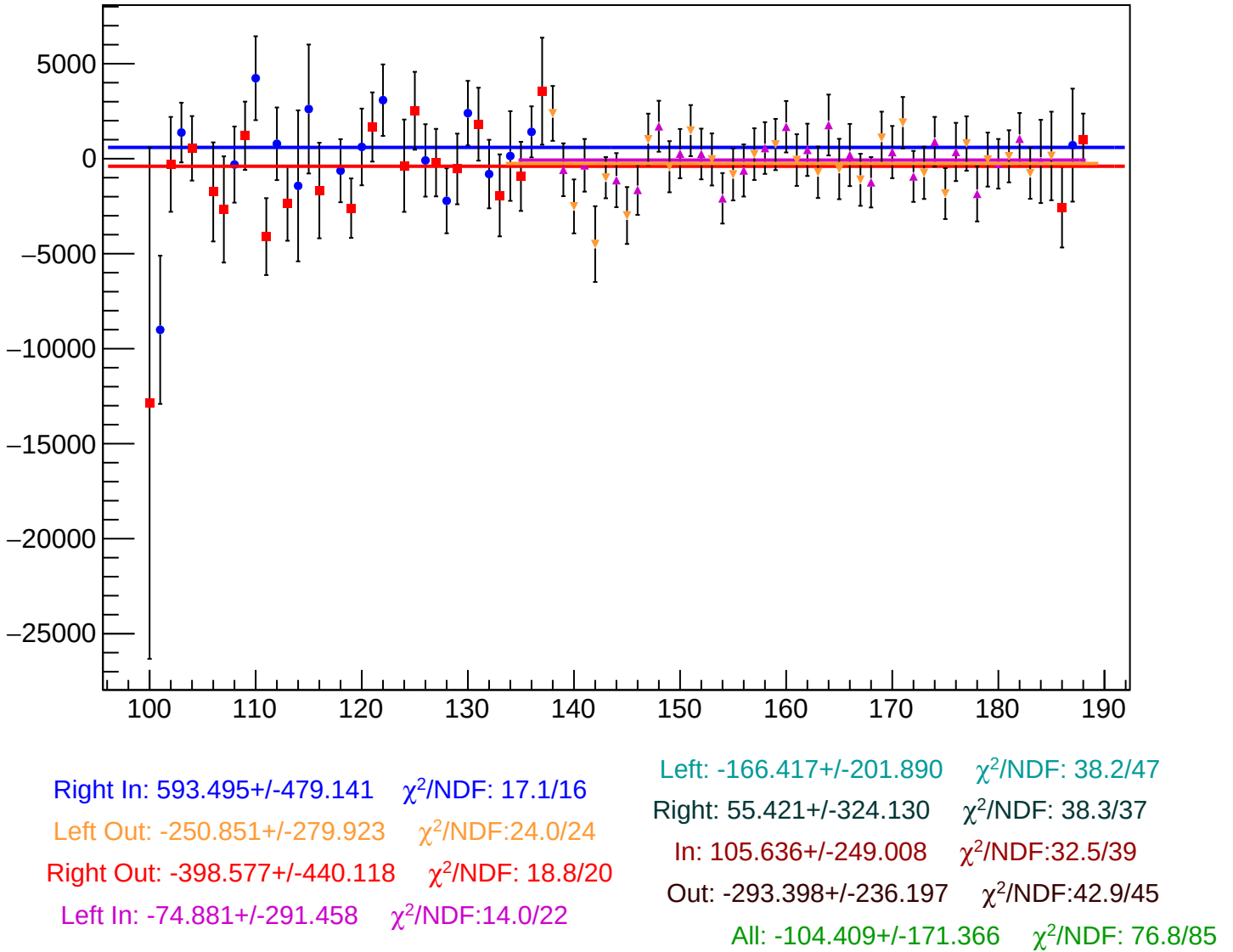
Left: 611.733+/-0.072 χ^2/NDF: 2128001.7/47

Right: 1148.106+/-0.214 χ^2/NDF: 3453738.4/37

In: 662.122+/-0.097 χ^2/NDF:4250363.3/39

Out: 669.118+/-0.095 χ^2/NDF:6973128.3/45

All: 665.659+/-0.068 χ^2/NDF: 11226145.8/85


eigen_dit_asym_atl_dd_atr_dd_dd_mean vs Slug, Sign Corrected
5000
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−20000
−25000
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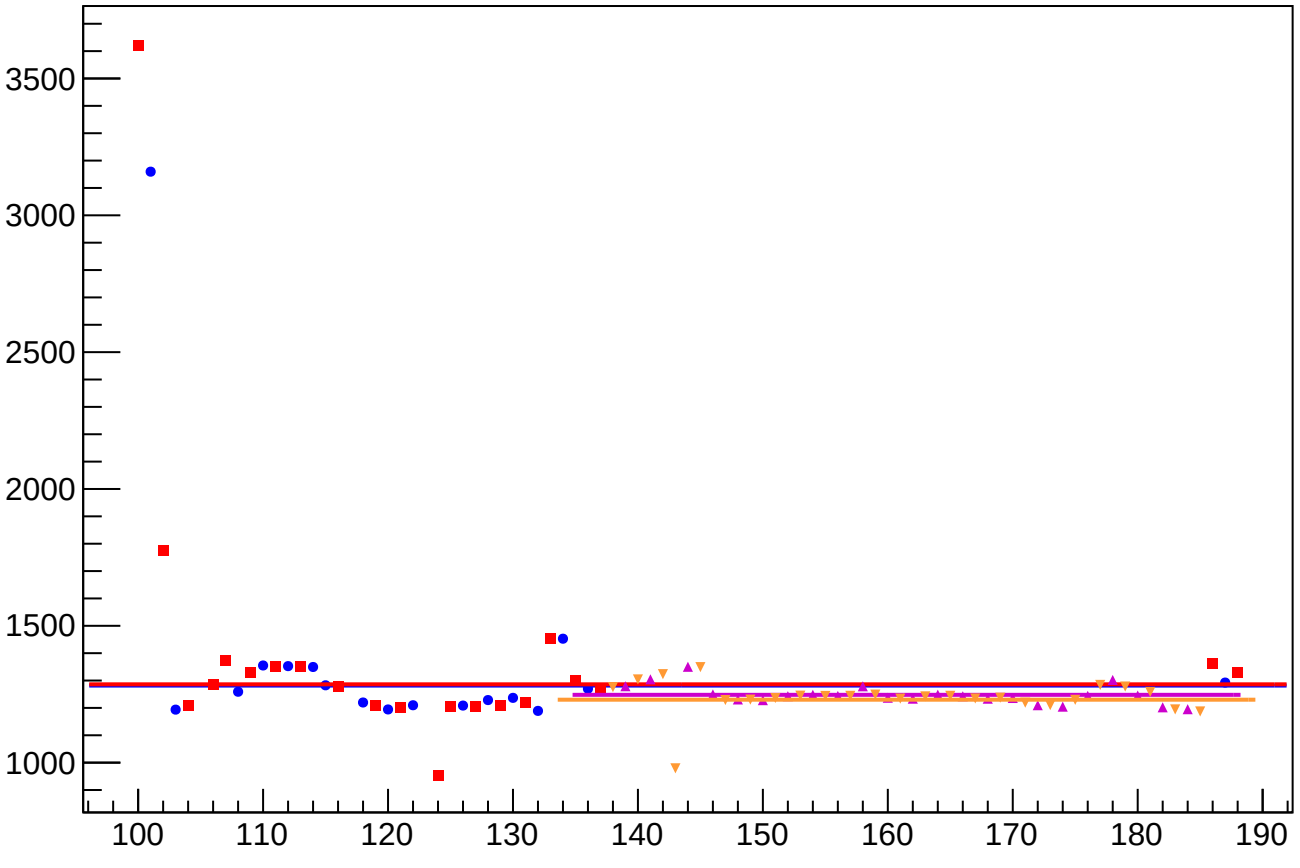
190
Right In: 593.495+/-479.141 χ²/NDF: 17.1/16
Left Out: -250.851+/-279.923 χ²/NDF:24.0/24
Right Out: -398.577+/-440.118 χ²/NDF: 18.8/20
Left In: -74.881+/-291.458 χ²/NDF:14.0/22
Left: -166.417+/-201.890 χ²/NDF: 38.2/47
Right: 55.421+/-324.130 χ²/NDF: 38.3/37
In: 105.636+/-249.008 χ²/NDF:32.5/39
Out: -293.398+/-236.197 χ²/NDF:42.9/45
All: -104.409+/-171.366 χ²/NDF: 76.8/85



Right In: 1281.660+/-0.339 χ^2/NDF: 507106.3/16

Left Out: 1229.986+/-0.198 χ^2/NDF:141606.6/24

Right Out: 1286.171+/-0.311 χ^2/NDF: 225975.5/20

Left In: 1247.785+/-0.206 χ^2/NDF:27340.7/22

Left: 1238.526+/-0.143 χ^2/NDF: 172827.1/47

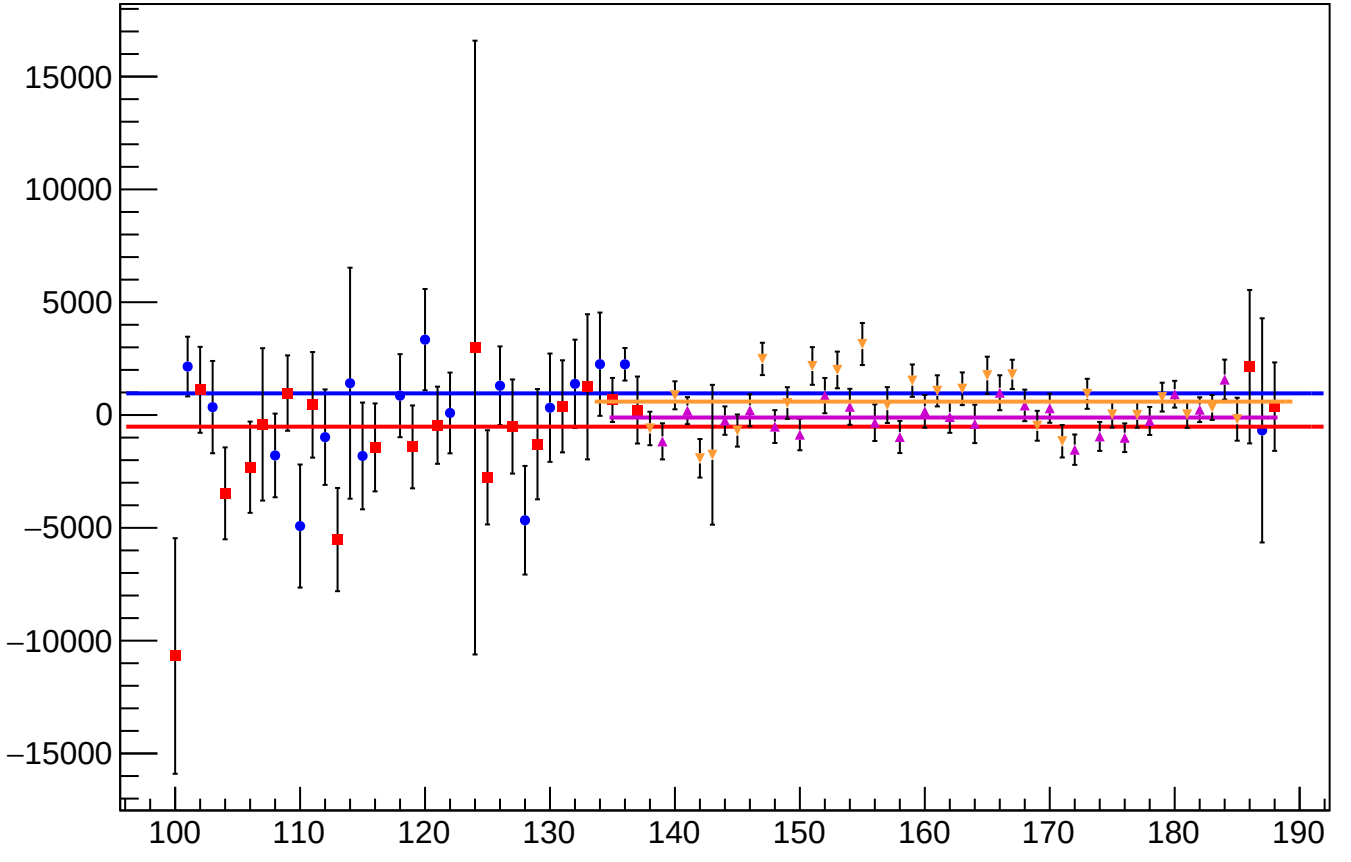
Right: 1284.107+/-0.229 χ^2/NDF: 733178.0/37

In: 1256.934+/-0.176 χ^2/NDF:541743.9/39

Out: 1246.168+/-0.167 χ^2/NDF:390788.7/45

All: 1251.267+/-0.121 χ^2/NDF: 934500.5/85

asym_atl_dd_atr_dd_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 960.259+/-423.671 χ^2/NDF: 20.6/16

Left Out: 595.000+/-142.130 χ^2/NDF:57.3/24

Right Out: -516.050+/-432.947 χ^2/NDF: 18.0/20

Left In: -110.251+/-144.232 χ^2/NDF:25.7/22

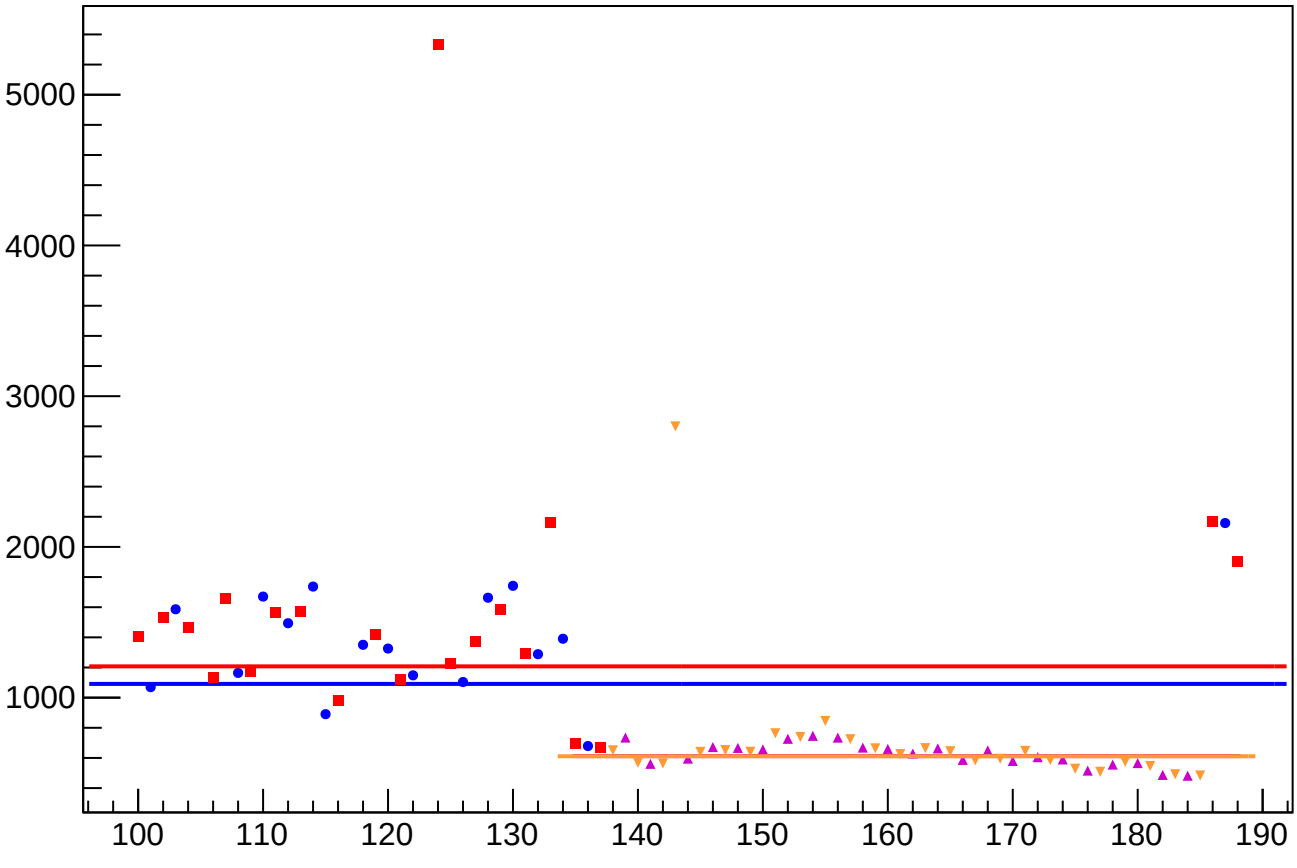
Left: 247.550+/-101.236 χ^2/NDF: 95.2/47

Right: 238.090+/-302.807 χ^2/NDF: 44.5/37

In: 0.931+/-136.537 χ^2/NDF:52.0/39

Out: 486.909+/-135.040 χ^2/NDF:81.3/45

All: 246.599+/-96.013 χ^2/NDF: 139.7/85



Right In: 1091.160+/-0.300 χ^2/NDF: 1453069.6/16

Left Out: 611.086+/-0.101 χ^2/NDF:1619319.5/24

Right Out: 1207.587+/-0.306 χ^2/NDF: 1926671.4/20

Left In: 612.398+/-0.102 χ^2/NDF:508597.7/22

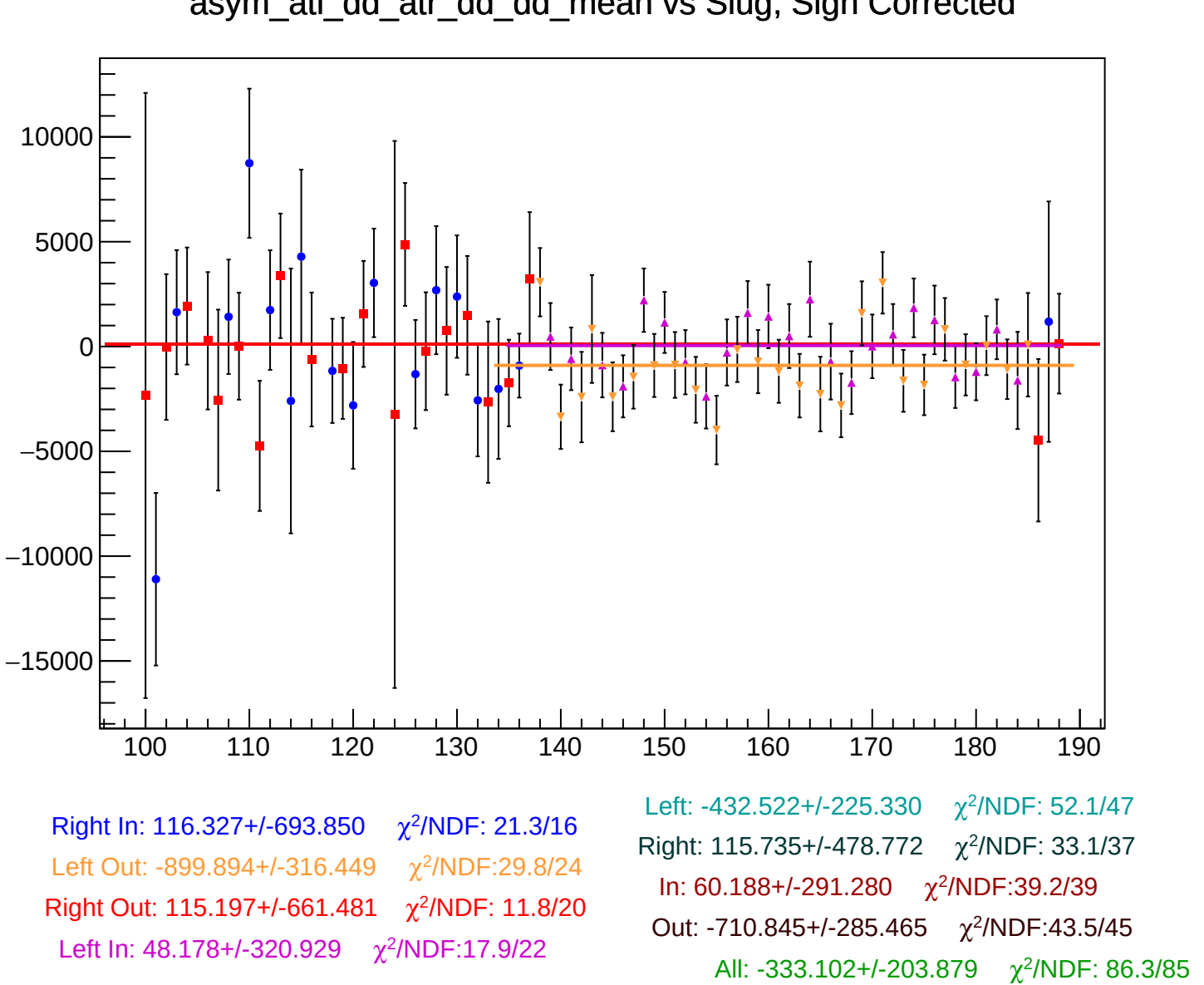
Left: 611.733+/-0.072 χ^2/NDF: 2128001.1/47

Right: 1148.113+/-0.214 χ^2/NDF: 3453623.8/37

In: 662.122+/-0.097 χ^2/NDF:4250360.7/39

Out: 669.118+/-0.095 χ^2/NDF:6973129.8/45

All: 665.658+/-0.068 χ^2/NDF: 11226145.0/85


asym_atl_dd_atr_dd_dd_mean vs Slug, Sign Corrected
10000
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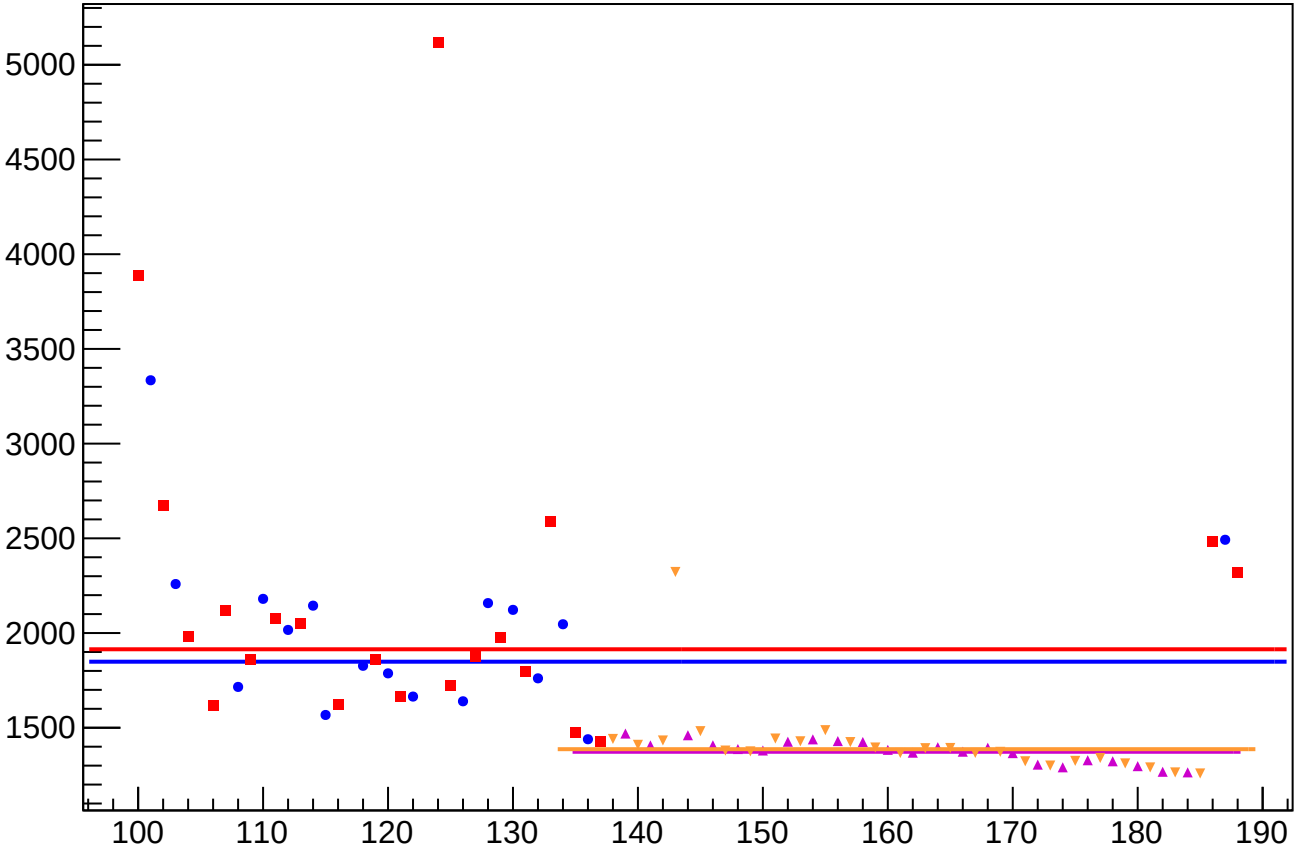
Right In: 116.327+/-693.850 χ²/NDF: 21.3/16
Left Out: -899.894+/-316.449 χ²/NDF:29.8/24
Right Out: 115.197+/-661.481 χ²/NDF: 11.8/20
Left In: 48.178+/-320.929 χ²/NDF:17.9/22
Left: -432.522+/-225.330 χ²/NDF: 52.1/47
Right: 115.735+/-478.772 χ²/NDF: 33.1/37
In: 60.188+/-291.280 χ²/NDF:39.2/39
Out: -710.845+/-285.465 χ²/NDF:43.5/45
All: -333.102+/-203.879 χ²/NDF: 86.3/85

asym_atl_dd_atr_dd_dd_rms vs Slug, Sign Corrected



Right In: 1848.673+/-0.491 χ^2/NDF: 582291.5/16

Left Out: 1386.845+/-0.224 χ^2/NDF:339794.5/24

Right Out: 1914.283+/-0.468 χ^2/NDF: 634746.0/20

Left In: 1373.217+/-0.227 χ^2/NDF:64467.6/22

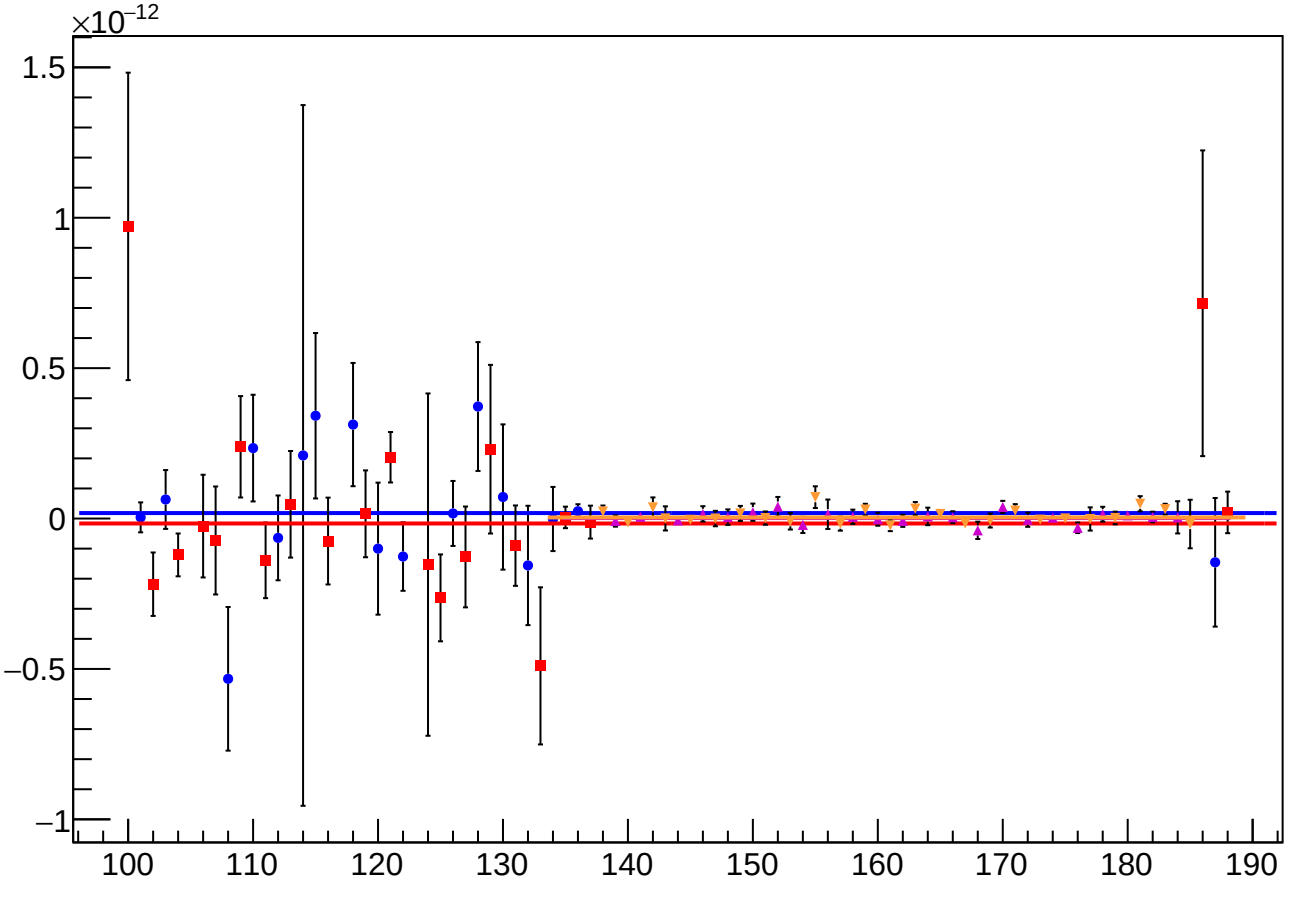
Left: 1380.126+/-0.159 χ^2/NDF: 406090.7/47

Right: 1883.045+/-0.339 χ^2/NDF: 1226406.0/37

In: 1457.009+/-0.206 χ^2/NDF:1420377.3/39

Out: 1485.076+/-0.202 χ^2/NDF:2009311.4/45

All: 1471.325+/-0.144 χ^2/NDF: 3439160.9/85



Right In: 0.000+/-0.000 χ^2/NDF: 17.1/16

Left Out: 0.000+/-0.000 χ^2/NDF:24.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 30.6/20

Left In: 0.000+/-0.000 χ^2/NDF:13.5/22

Left: 0.000+/-0.000 χ^2/NDF: 38.4/47

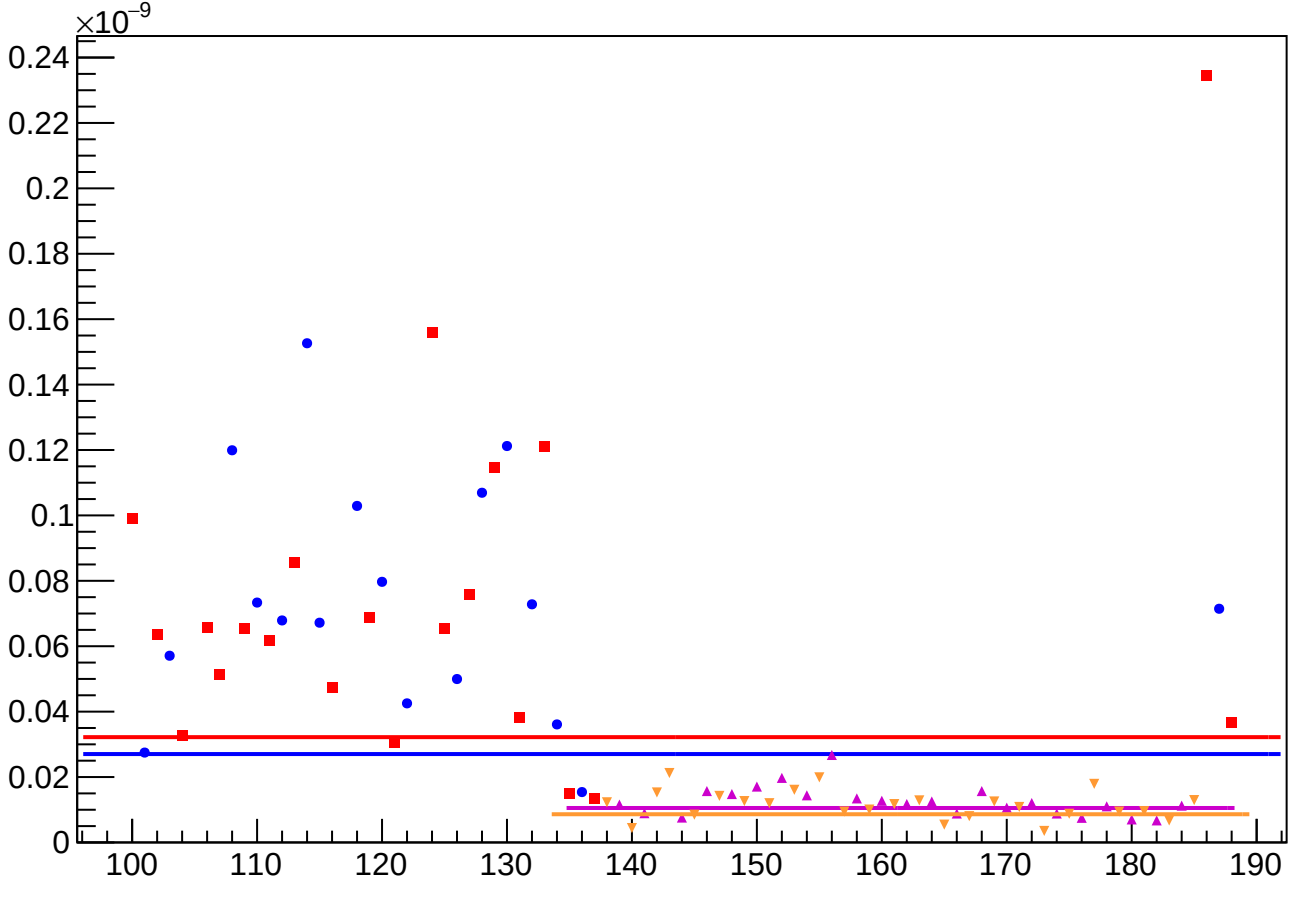
Right: 0.000+/-0.000 χ^2/NDF: 49.2/37

In: 0.000+/-0.000 χ^2/NDF:31.3/39

Out: 0.000+/-0.000 χ^2/NDF:56.3/45

All: 0.000+/-0.000 χ^2/NDF: 87.5/85

asym_atl_dd_atr_dd_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2667669.4/16

Left Out: 0.000+/-0.000 χ^2/NDF:2148494.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2603701.0/20

Left In: 0.000+/-0.000 χ^2/NDF:1232395.4/22

Left: 0.000+/-0.000 χ^2/NDF: 3597627.7/47

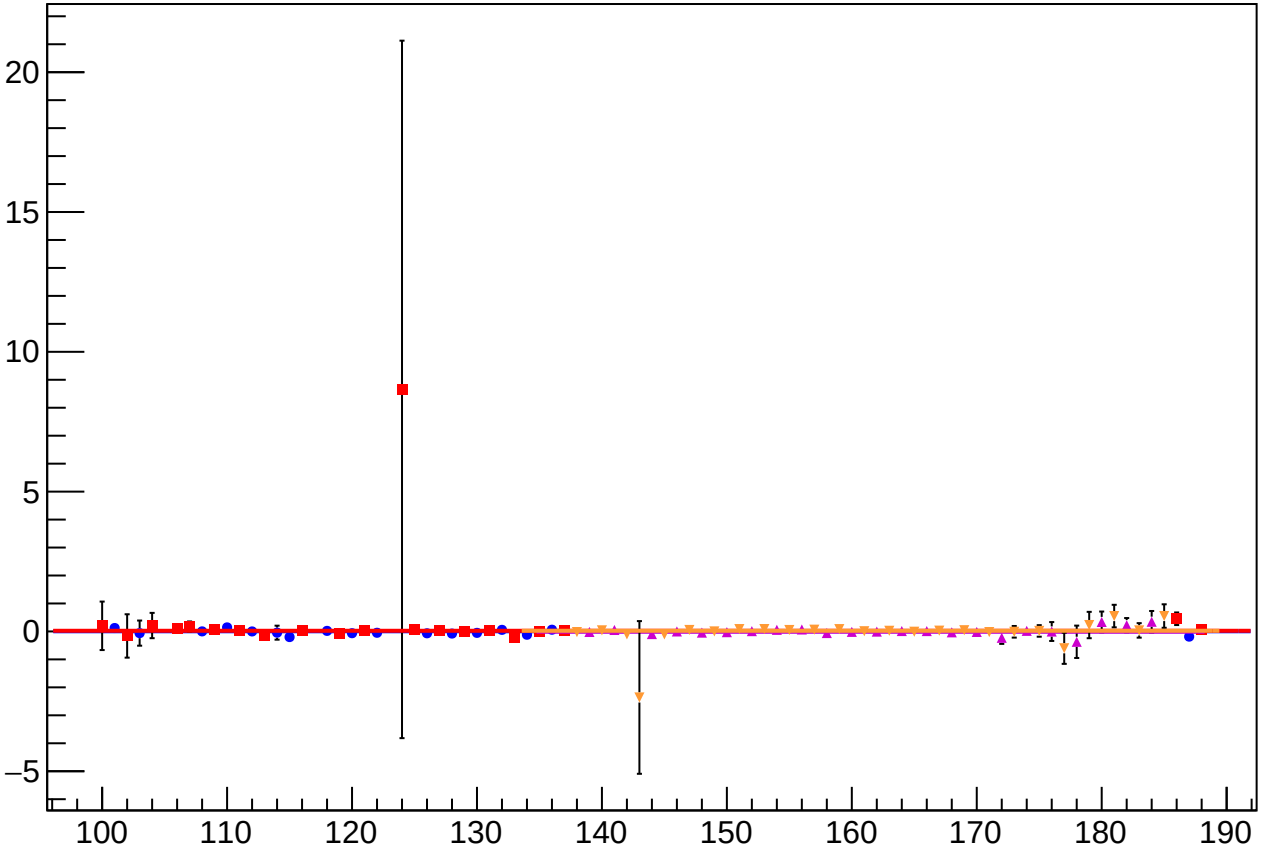
Right: 0.000+/-0.000 χ^2/NDF: 5338206.6/37

In: 0.000+/-0.000 χ^2/NDF:5369102.8/39

Out: 0.000+/-0.000 χ^2/NDF:7147755.1/45

All: 0.000+/-0.000 χ^2/NDF: 12772711.6/85

asym_atl_dd_atr_dd_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.005+/-0.016 χ^2/NDF: 21.6/16

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: 0.023+/-0.015 χ^2/NDF: 18.2/20

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

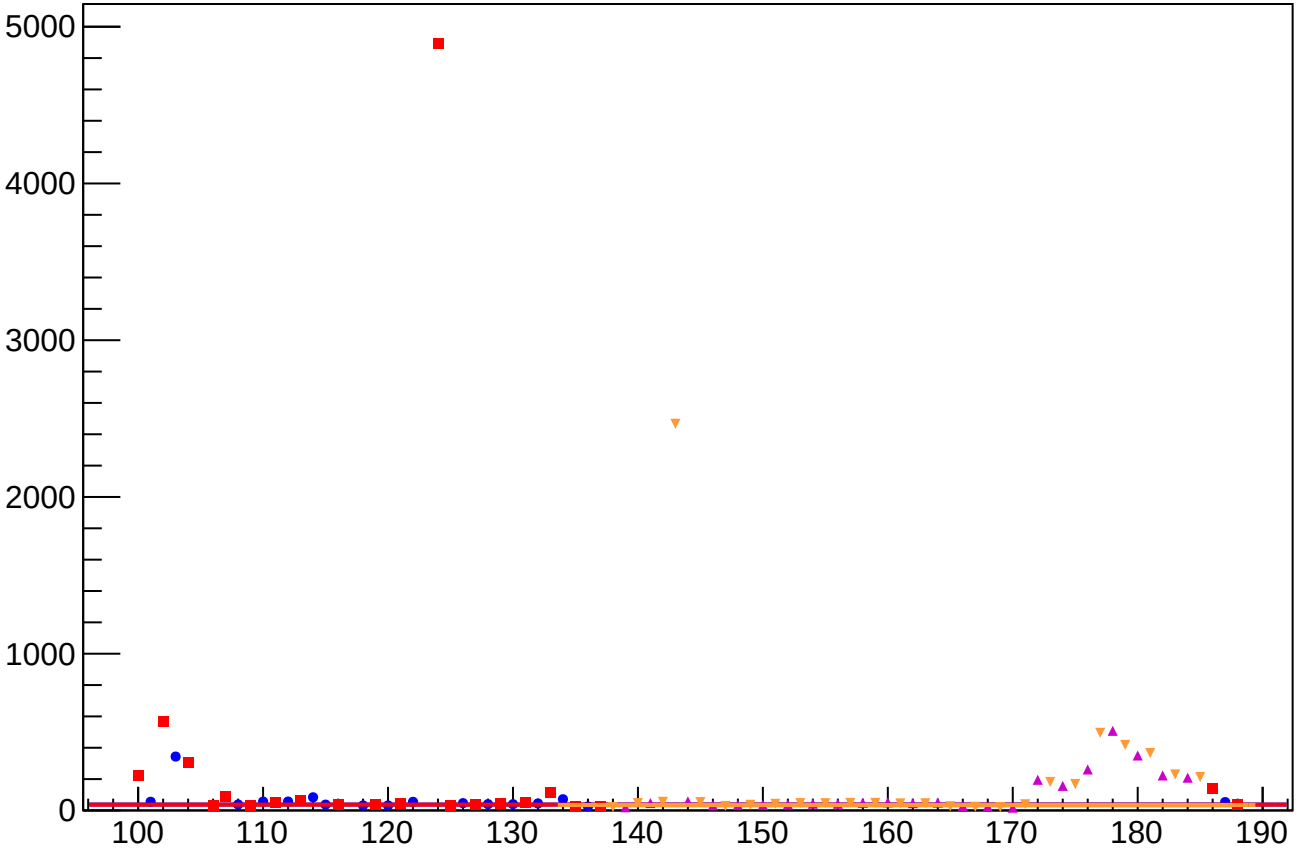
Right: 0.015+/-0.011 χ^2/NDF: 40.4/37

In: -0.005+/-0.008 χ^2/NDF:37.0/39

Out: 0.023+/-0.008 χ^2/NDF:41.1/45

All: 0.009+/-0.006 χ^2/NDF: 83.9/85

asym_atl_dd_atr_dd_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.746+/-0.011 χ^2/NDF: 2014441.7/16

Left Out: 34.624+/-0.007 χ^2/NDF:11402451.4/24

Right Out: 37.179+/-0.011 χ^2/NDF: 3633130.8/20

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

Left: 34.094+/-0.005 χ^2/NDF: 21480396.5/47

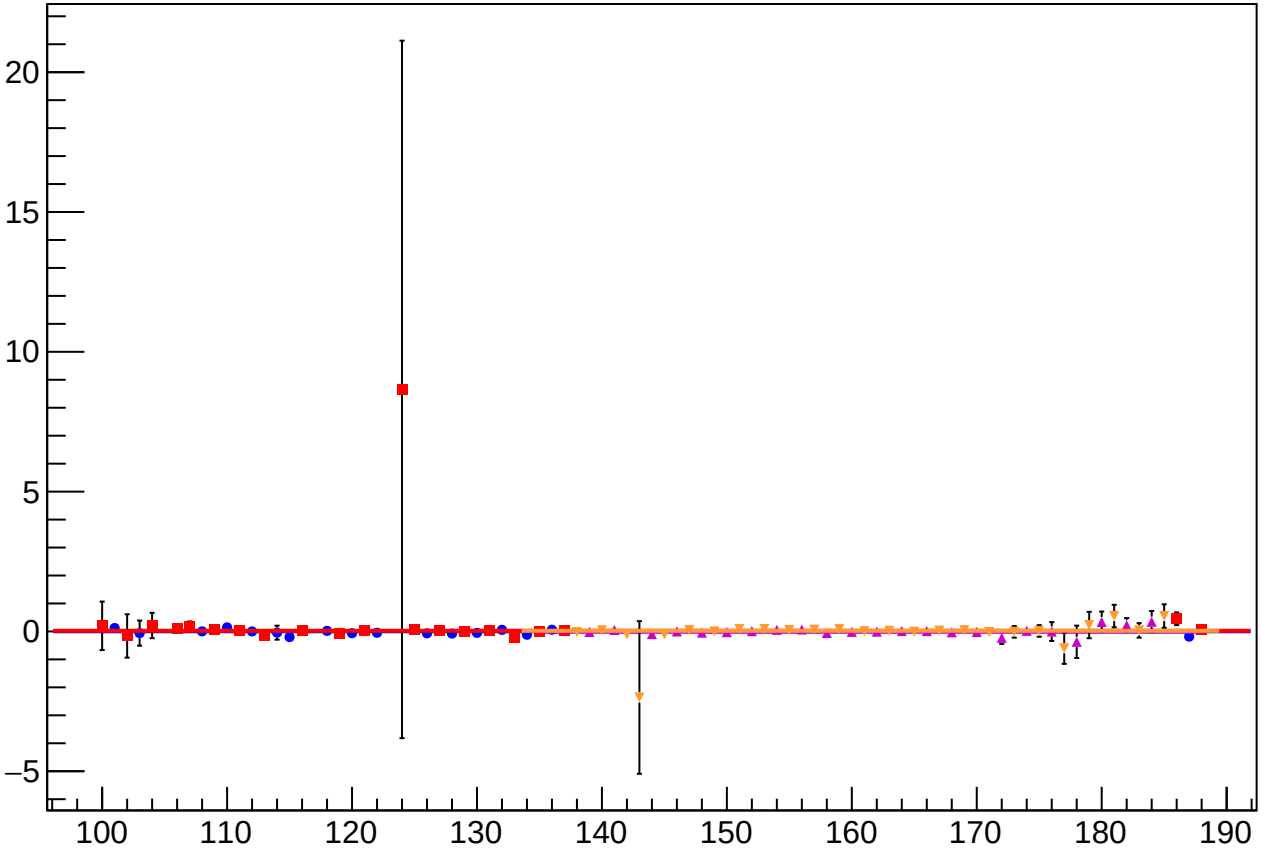
Right: 37.452+/-0.008 χ^2/NDF: 5648885.9/37

In: 34.754+/-0.006 χ^2/NDF:12179615.1/39

Out: 35.407+/-0.006 χ^2/NDF:15074046.1/45

All: 35.078+/-0.004 χ^2/NDF: 27259609.7/85

asym_atl_dd_atr_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.005+/-0.016 χ^2/NDF: 21.6/16

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: 0.023+/-0.015 χ^2/NDF: 18.2/20

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

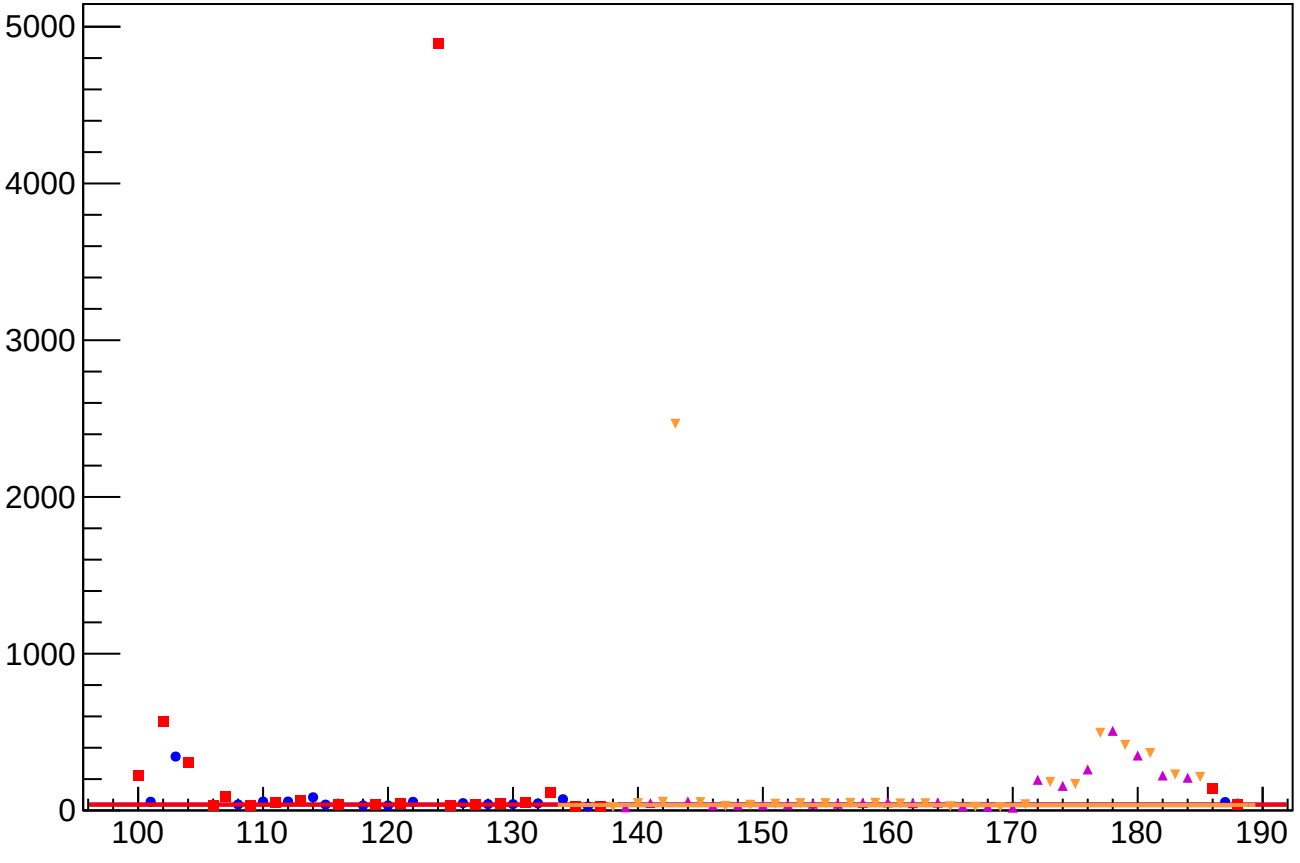
Right: 0.015+/-0.011 χ^2/NDF: 40.4/37

In: -0.005+/-0.008 χ^2/NDF:37.0/39

Out: 0.023+/-0.008 χ^2/NDF:41.1/45

All: 0.009+/-0.006 χ^2/NDF: 83.9/85

asym_atl_dd_atr_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.746+/-0.011 χ^2/NDF: 2014441.7/16

Left Out: 34.624+/-0.007 χ^2/NDF:11402451.4/24

Right Out: 37.179+/-0.011 χ^2/NDF: 3633130.8/20

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

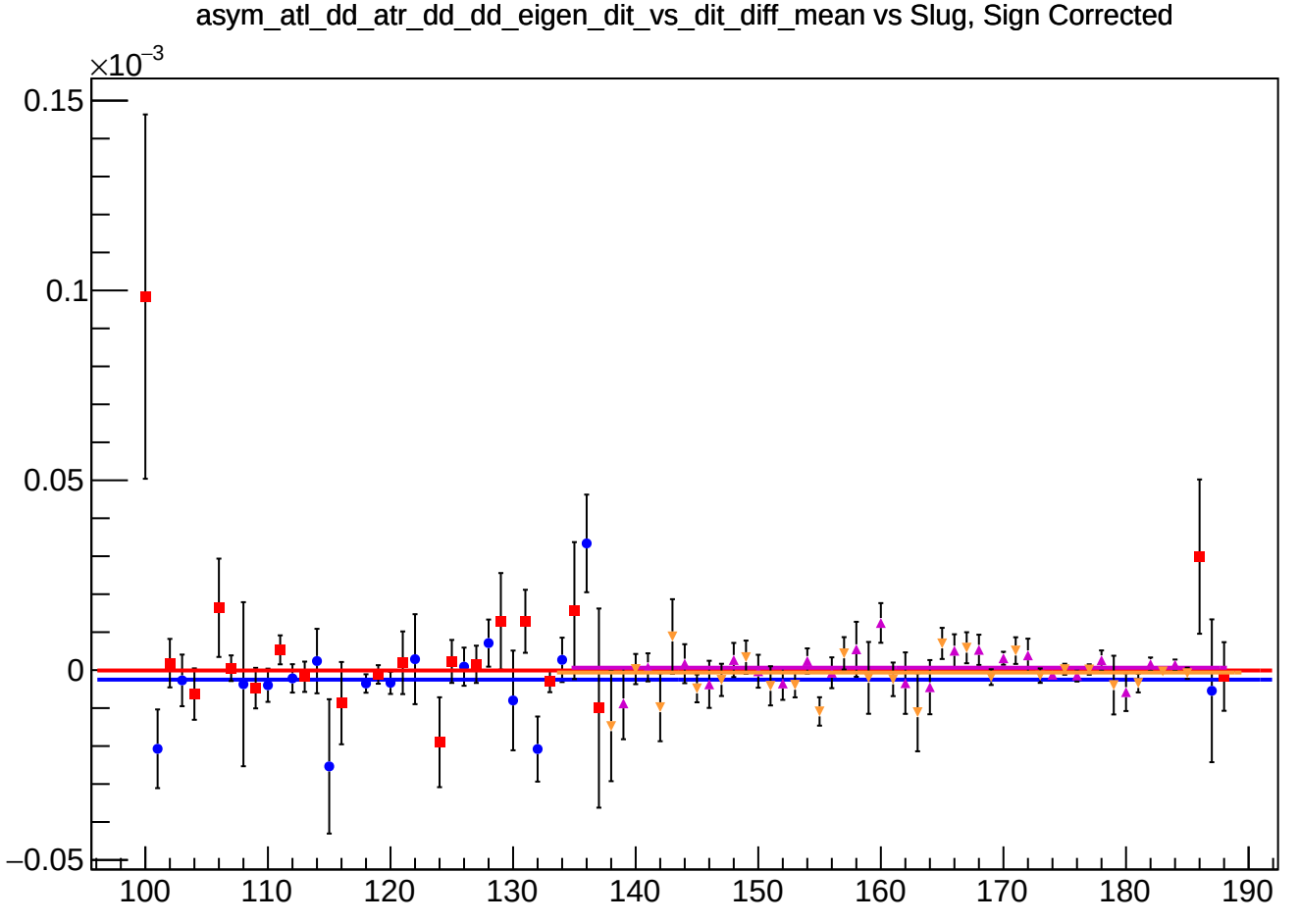
Left: 34.094+/-0.005 χ^2/NDF: 21480396.5/47

Right: 37.452+/-0.008 χ^2/NDF: 5648885.9/37

In: 34.754+/-0.006 χ^2/NDF:12179615.1/39

Out: 35.407+/-0.006 χ^2/NDF:15074046.1/45

All: 35.078+/-0.004 χ^2/NDF: 27259609.7/85



Right In: -0.000+/-0.000 χ^2/NDF: 21.9/16

Left Out: -0.000+/-0.000 χ^2/NDF:28.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 21.1/20

Left In: 0.000+/-0.000 χ^2/NDF:21.9/22

Left: -0.000+/-0.000 χ^2/NDF: 53.2/47

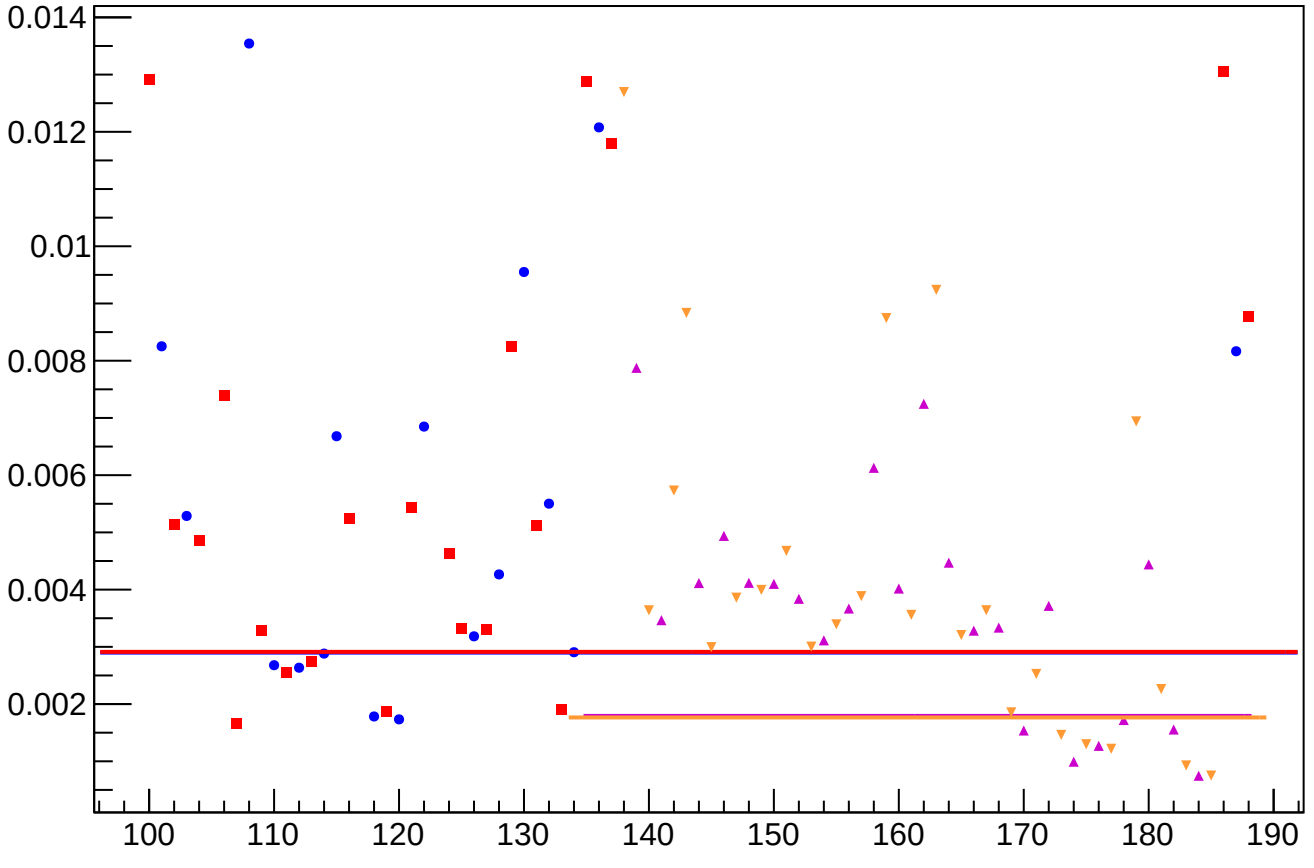
Right: -0.000+/-0.000 χ^2/NDF: 44.9/37

In: 0.000+/-0.000 χ^2/NDF:48.8/39

Out: -0.000+/-0.000 χ^2/NDF:49.7/45

All: -0.000+/-0.000 χ^2/NDF: 99.5/85

asym_atl_dd_atr_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 4309586.2/16

Left Out: 0.002+/-0.000 χ^2/NDF:12926339.2/24

Right Out: 0.003+/-0.000 χ^2/NDF: 4675260.3/20

Left In: 0.002+/-0.000 χ^2/NDF:10766932.4/22

Left: 0.002+/-0.000 χ^2/NDF: 23695843.2/47

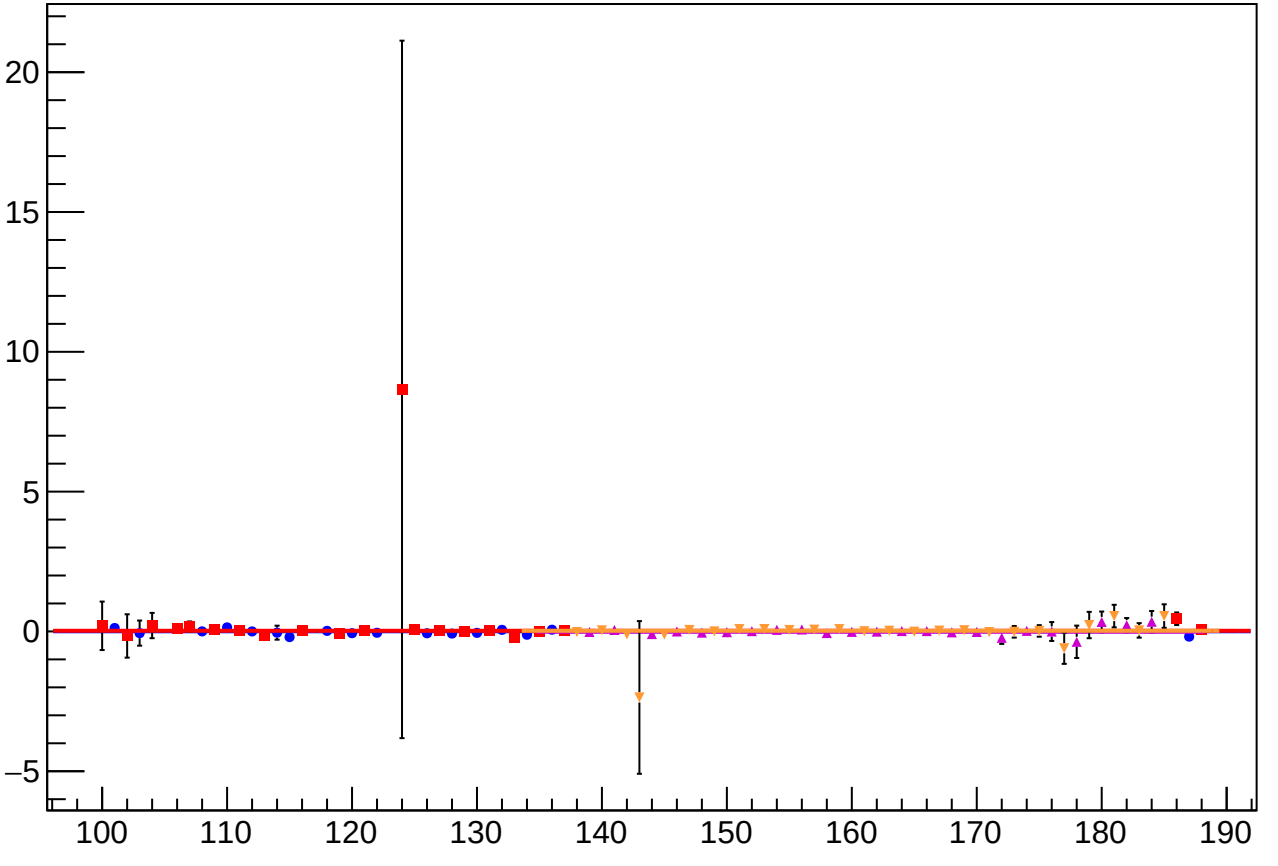
Right: 0.003+/-0.000 χ^2/NDF: 8984942.7/37

In: 0.002+/-0.000 χ^2/NDF:16306307.4/39

Out: 0.002+/-0.000 χ^2/NDF:19229812.4/45

All: 0.002+/-0.000 χ^2/NDF: 35536233.1/85

asym_atl_dd_atr_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.005+/-0.016 χ^2/NDF: 21.6/16

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: 0.023+/-0.015 χ^2/NDF: 18.2/20

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

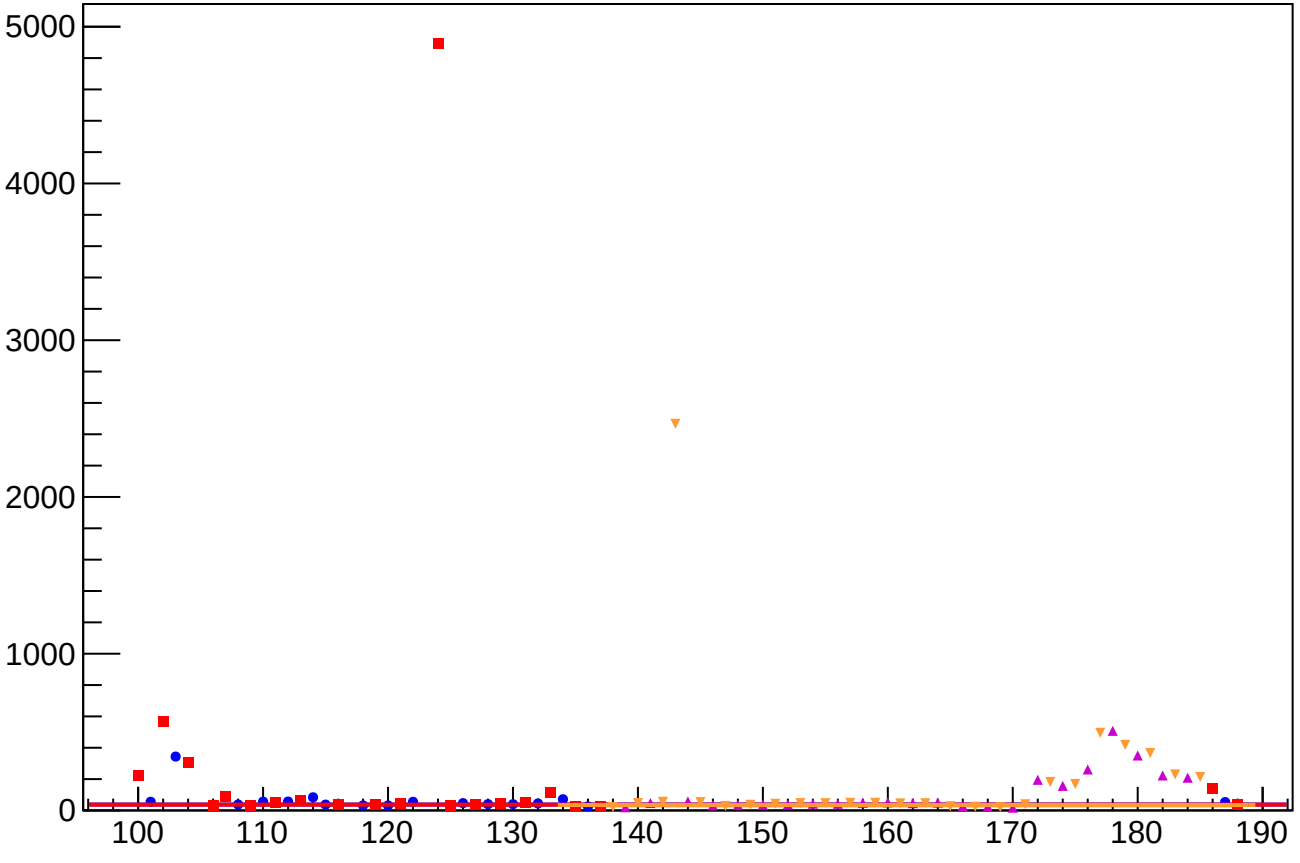
Right: 0.015+/-0.011 χ^2/NDF: 40.4/37

In: -0.005+/-0.008 χ^2/NDF:37.0/39

Out: 0.023+/-0.008 χ^2/NDF:41.1/45

All: 0.009+/-0.006 χ^2/NDF: 83.9/85

asym_atl_dd_atr_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.747+/-0.011 χ^2/NDF: 2014387.4/16

Left Out: 34.623+/-0.007 χ^2/NDF:11402566.2/24

Right Out: 37.181+/-0.011 χ^2/NDF: 3632824.0/20

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

Left: 34.095+/-0.005 χ^2/NDF: 21479175.2/47

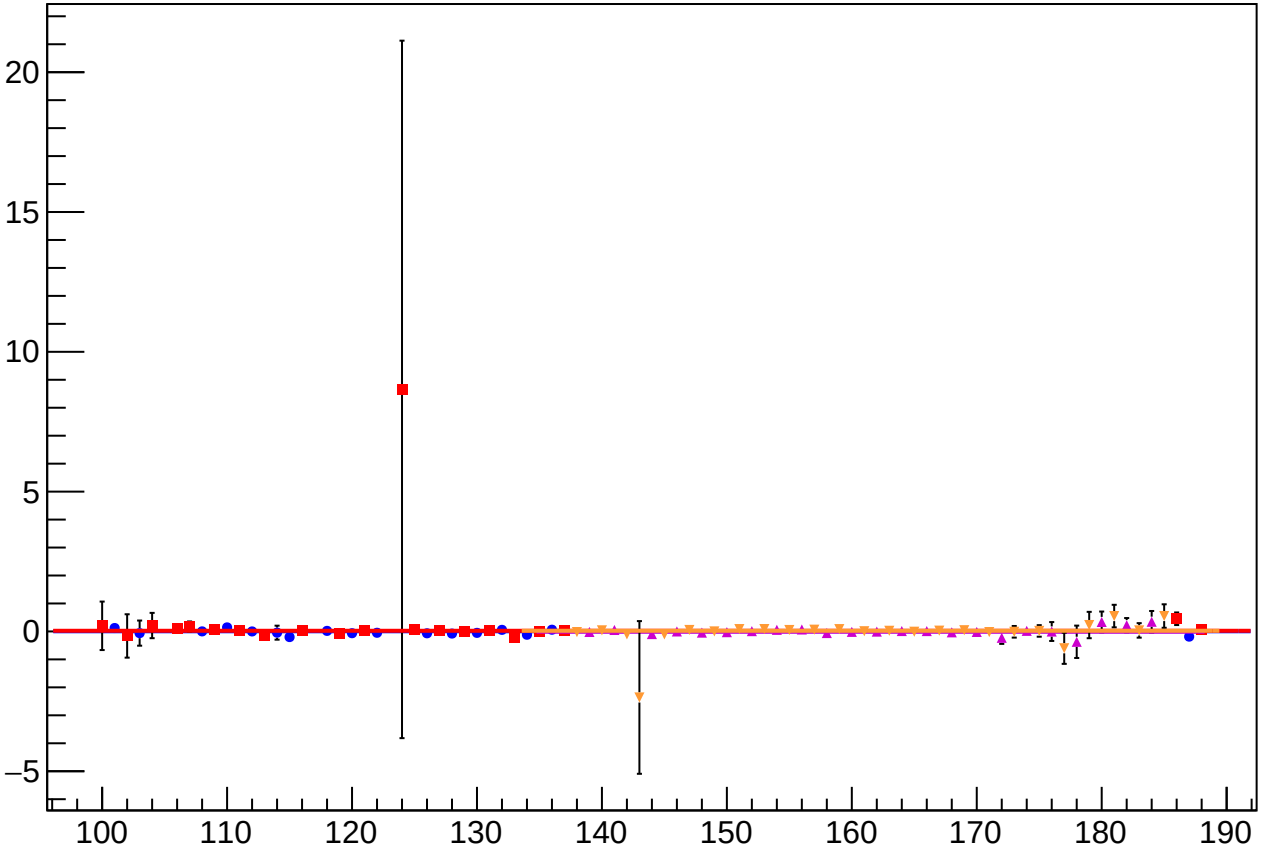
Right: 37.453+/-0.008 χ^2/NDF: 5648518.6/37

In: 34.756+/-0.006 χ^2/NDF:12178208.0/39

Out: 35.407+/-0.006 χ^2/NDF:15073940.5/45

All: 35.079+/-0.004 χ^2/NDF: 27258060.9/85

asym_atl_dd_atr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.005+/-0.016 χ^2/NDF: 21.6/16

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: 0.023+/-0.015 χ^2/NDF: 18.2/20

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

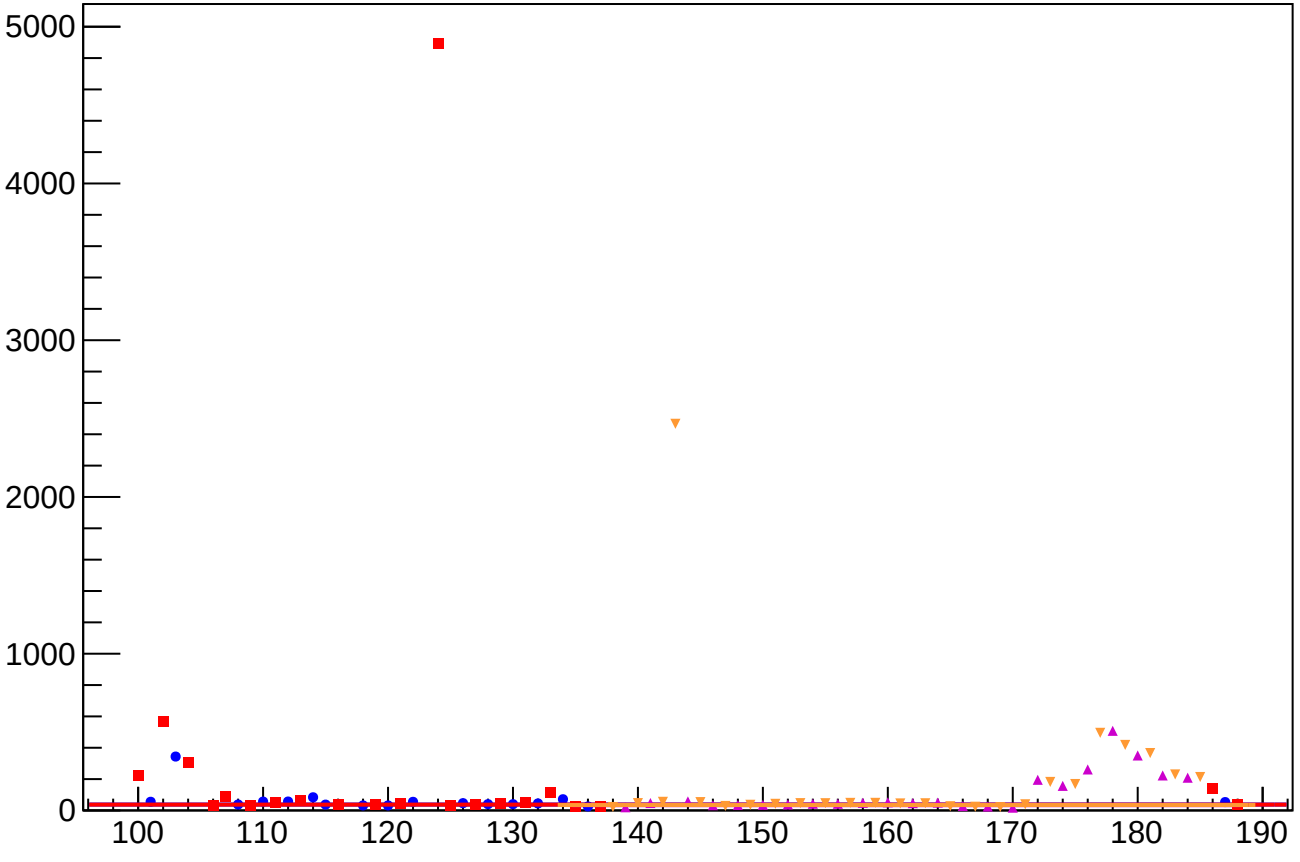
Right: 0.015+/-0.011 χ^2/NDF: 40.4/37

In: -0.005+/-0.008 χ^2/NDF:37.0/39

Out: 0.023+/-0.008 χ^2/NDF:41.1/45

All: 0.009+/-0.006 χ^2/NDF: 83.9/85

asym_atl_dd_atr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.747+/-0.011 χ^2/NDF: 2014387.4/16

Left Out: 34.623+/-0.007 χ^2/NDF:11402566.2/24

Right Out: 37.181+/-0.011 χ^2/NDF: 3632824.0/20

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

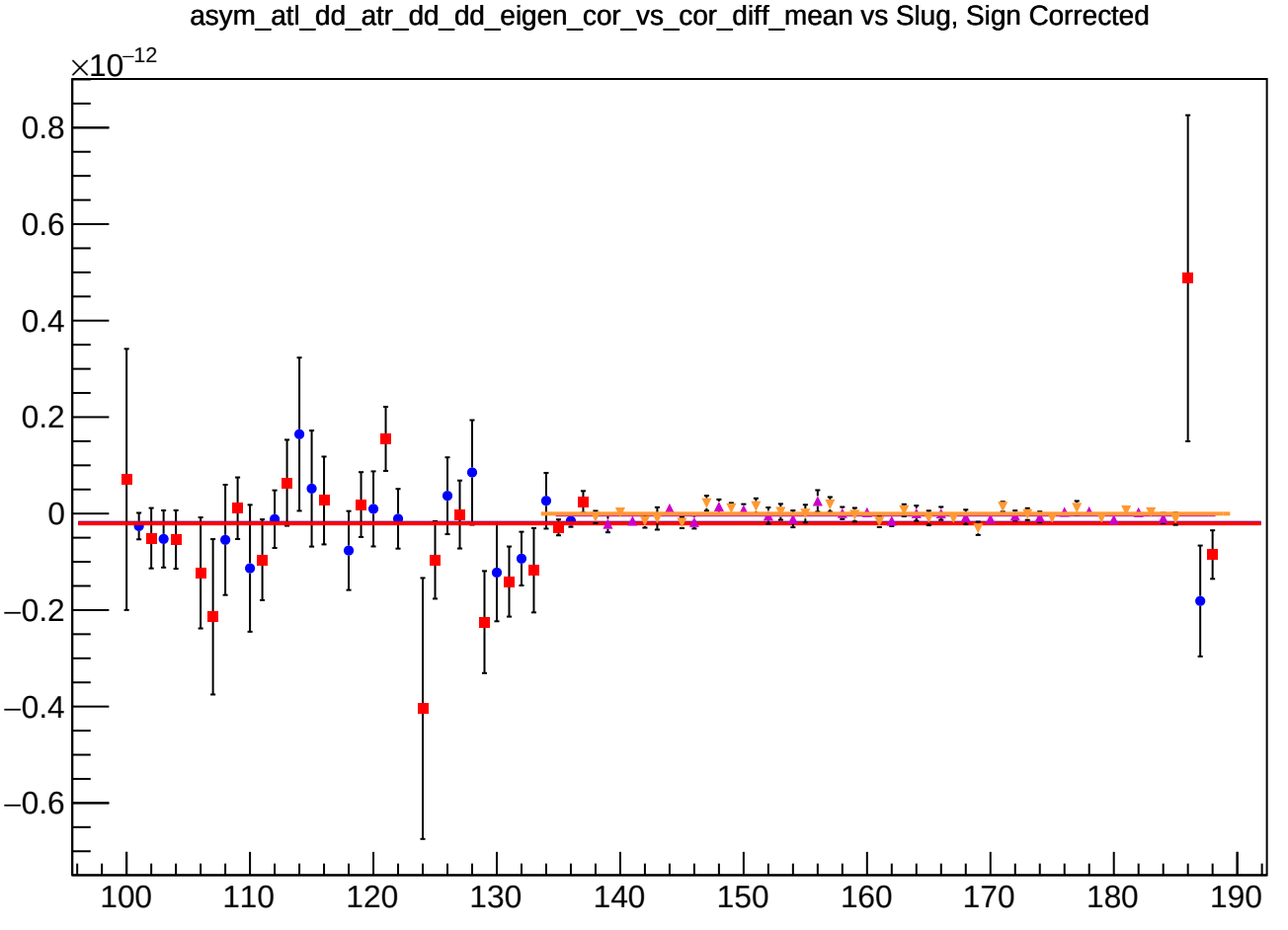
Left: 34.095+/-0.005 χ^2/NDF: 21479175.2/47

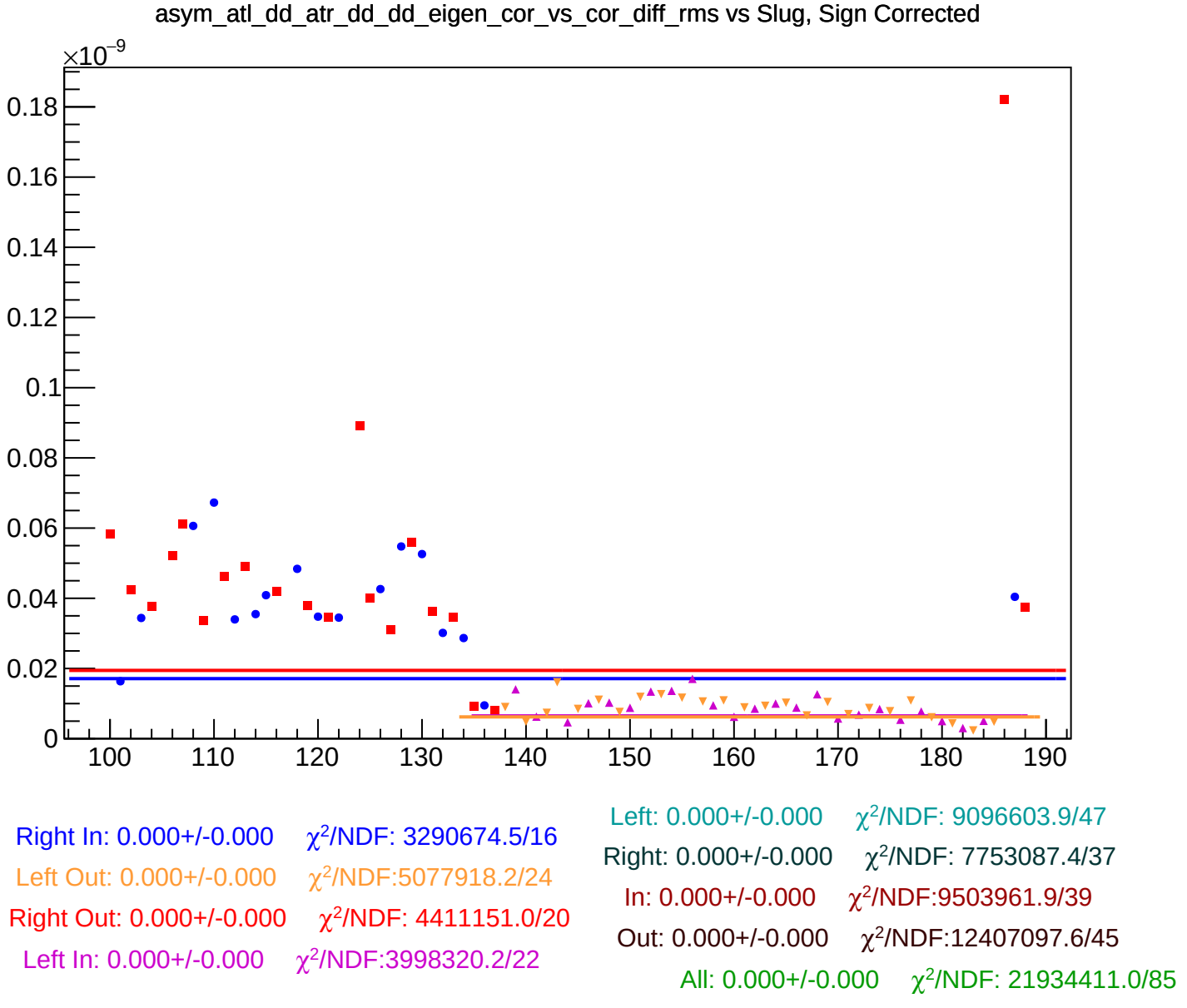
Right: 37.453+/-0.008 χ^2/NDF: 5648518.6/37

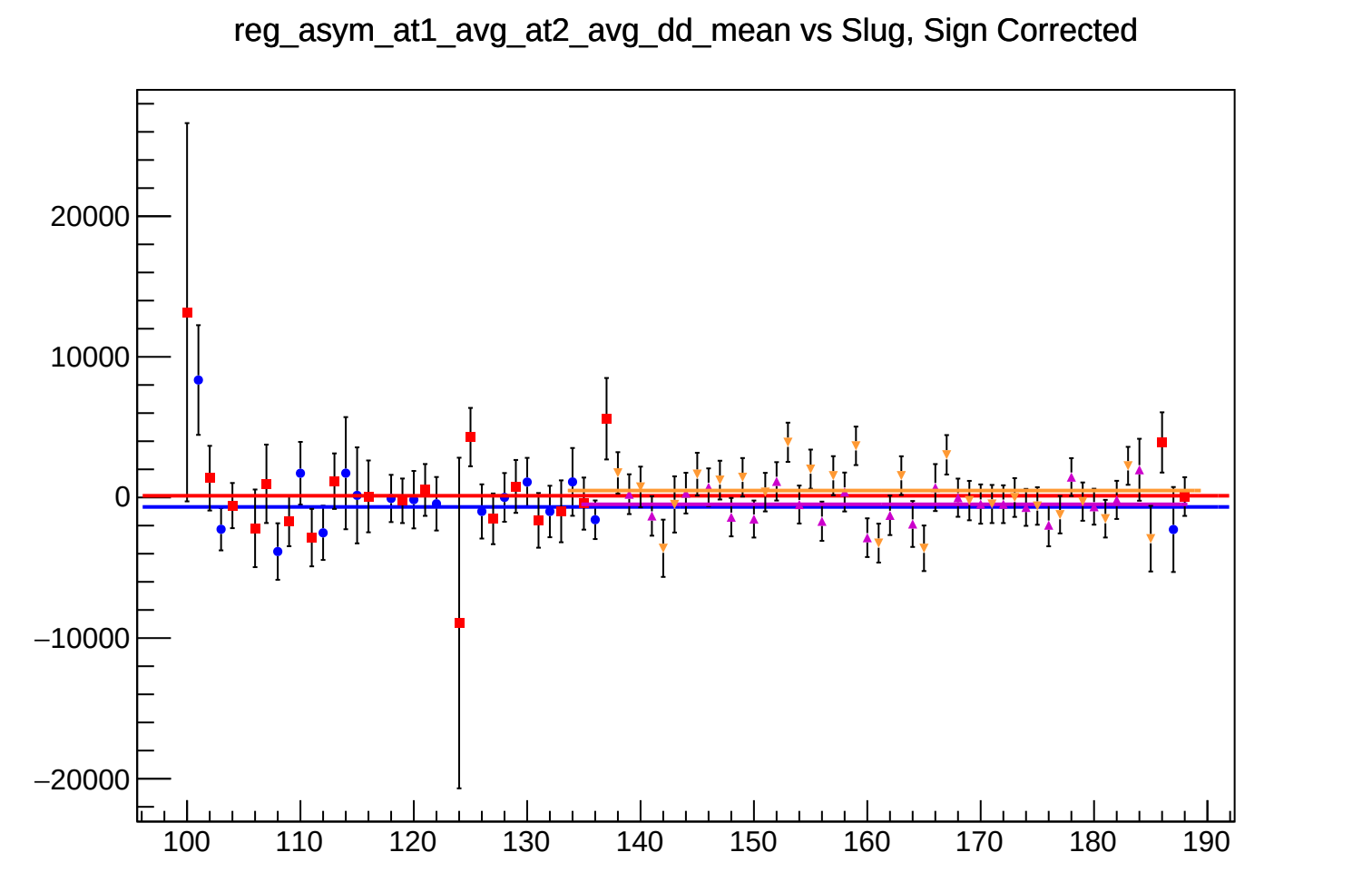
In: 34.756+/-0.006 χ^2/NDF:12178208.0/39

Out: 35.407+/-0.006 χ^2/NDF:15073940.5/45

All: 35.079+/-0.004 χ^2/NDF: 27258060.9/85


asym_atl_dd_atr_dd_dd_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
100
110
120
130
140
150
160
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 10.3/16
Left Out: -0.000+/-0.000 χ²/NDF:26.0/24
Right Out: -0.000+/-0.000 χ²/NDF: 31.2/20
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: 41.6/37
In: -0.000+/-0.000 χ²/NDF:33.2/39
Out: -0.000+/-0.000 χ²/NDF:60.6/45
All: -0.000+/-0.000 χ²/NDF: 94.3/85


asym_atl_dd_atr_dd_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 3290674.5/16
Left Out: 0.000+/-0.000 χ²/NDF:5077918.2/24
Right Out: 0.000+/-0.000 χ²/NDF: 4411151.0/20
Left In: 0.000+/-0.000 χ²/NDF:3998320.2/22
Left: 0.000+/-0.000 χ²/NDF: 9096603.9/47
Right: 0.000+/-0.000 χ²/NDF: 7753087.4/37
In: 0.000+/-0.000 χ²/NDF:9503961.9/39
Out: 0.000+/-0.000 χ²/NDF:12407097.6/45
All: 0.000+/-0.000 χ²/NDF: 21934411.0/85



Right In: -673.024+/-482.395 χ^2/NDF: 14.2/16

Left Out: 492.062+/-288.495 χ^2/NDF:46.9/24

Right Out: 121.728+/-449.522 χ^2/NDF: 19.2/20

Left In: -486.821+/-293.769 χ^2/NDF:14.4/22

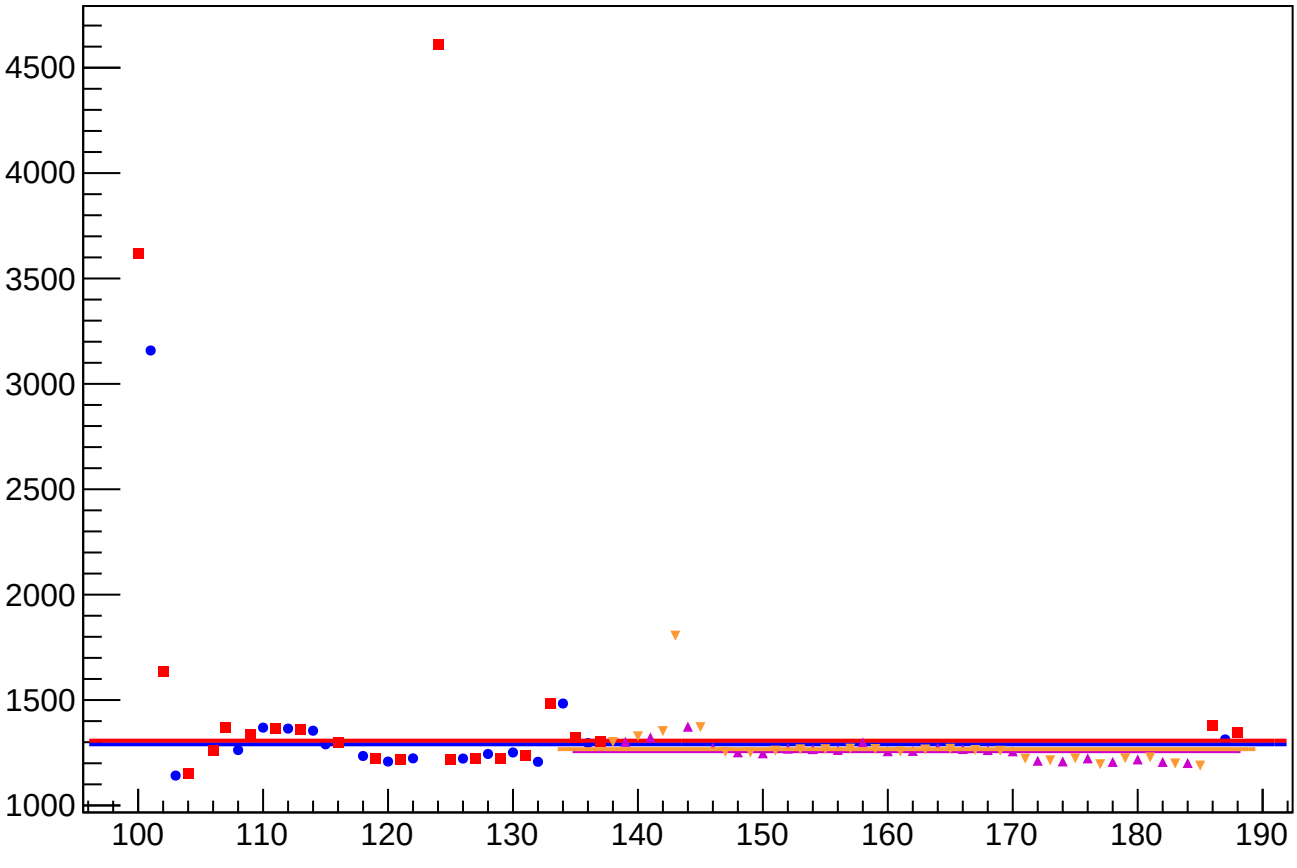
Left: 11.486+/-205.836 χ^2/NDF: 67.0/47

Right: -247.648+/-328.868 χ^2/NDF: 34.8/37

In: -537.195+/-250.905 χ^2/NDF:28.7/39

Out: 384.026+/-242.794 χ^2/NDF:66.5/45

All: -61.454+/-174.479 χ^2/NDF: 102.2/85



Right In: 1290.072+/-0.341 χ^2/NDF: 514795.6/16

Left Out: 1266.967+/-0.204 χ^2/NDF:187545.6/24

Right Out: 1307.259+/-0.317 χ^2/NDF: 323856.3/20

Left In: 1257.551+/-0.208 χ^2/NDF:36816.4/22

Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

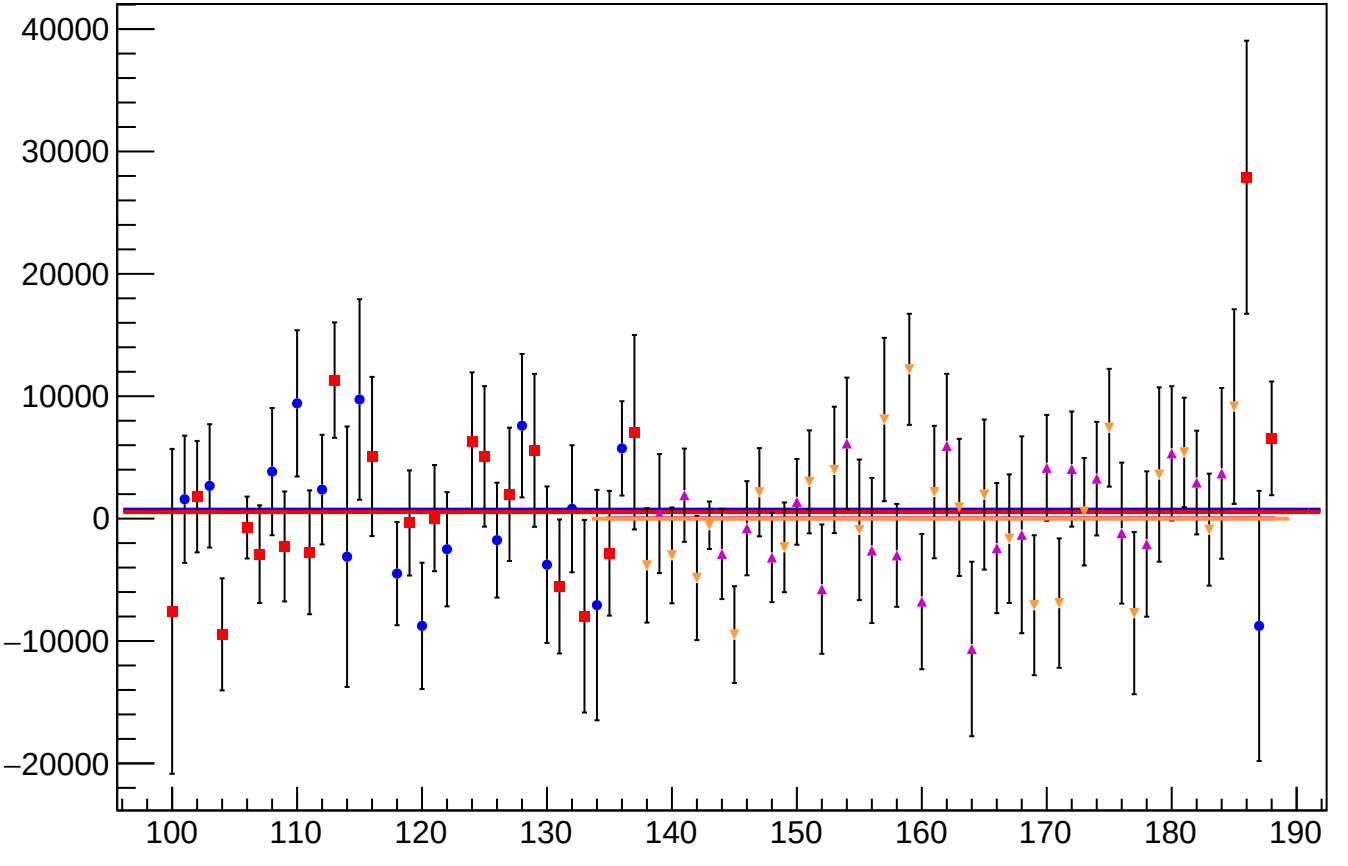
Right: 1299.290+/-0.232 χ^2/NDF: 840013.6/37

In: 1266.349+/-0.177 χ^2/NDF:558242.4/39

Out: 1278.759+/-0.172 χ^2/NDF:522818.3/45

All: 1272.762+/-0.123 χ^2/NDF: 1083588.9/85

asym_at1_avg_at2_avg_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 733.408+/-1315.832 χ^2/NDF: 14.8/16

Left Out: -0.604+/-886.488 χ^2/NDF:29.1/24

Right Out: 538.329+/-1075.559 χ^2/NDF: 26.4/20

Left In: 31.593+/-995.348 χ^2/NDF:14.0/22

Left: 13.638+/-661.996 χ^2/NDF: 43.1/47

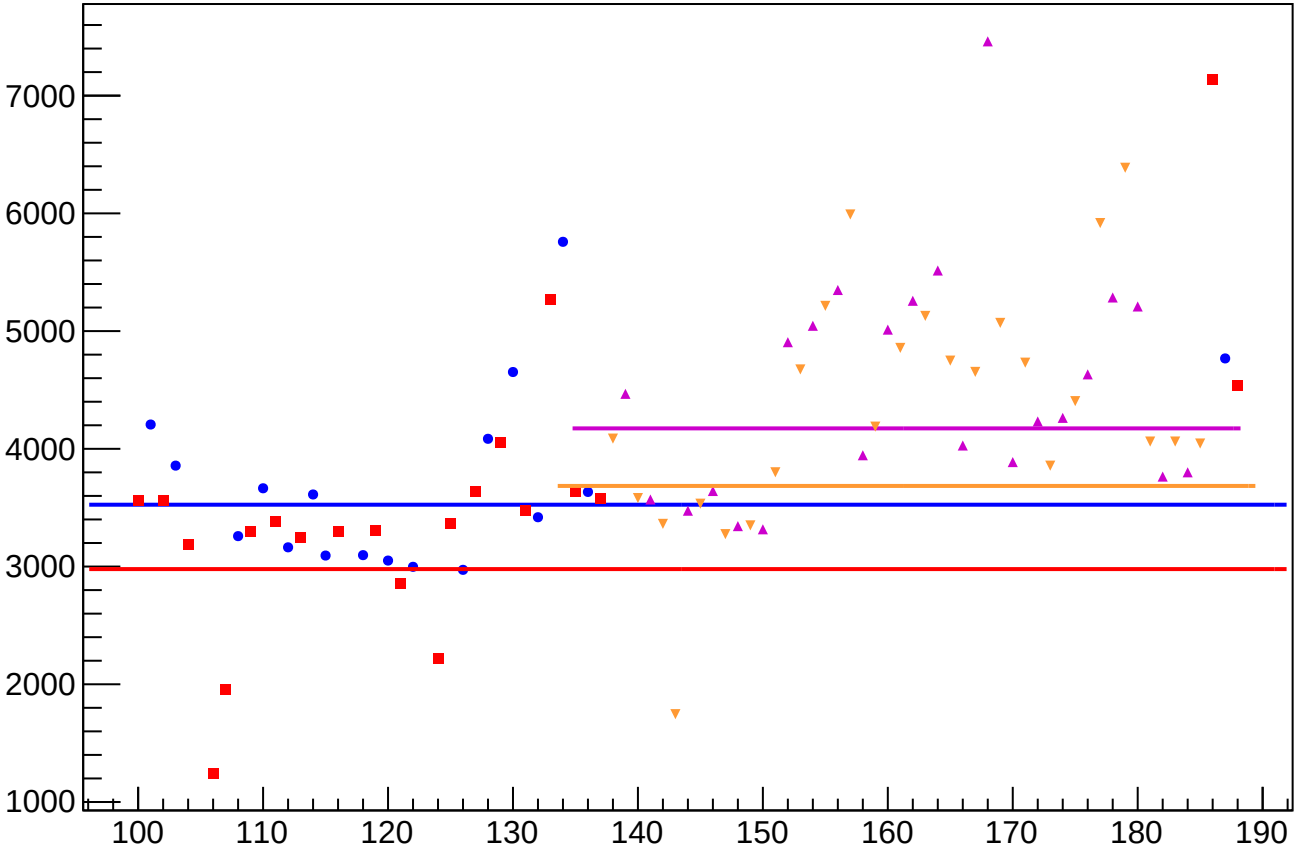
Right: 616.464+/-832.756 χ^2/NDF: 41.2/37

In: 287.018+/-793.818 χ^2/NDF:29.0/39

Out: 217.406+/-684.078 χ^2/NDF:55.6/45

All: 247.071+/-518.207 χ^2/NDF: 84.6/85

asym_at1_avg_at2_avg_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 3525.301+/-0.930 χ^2/NDF: 379677.5/16

Left Out: 3684.769+/-0.627 χ^2/NDF:3693646.6/24

Right Out: 2978.438+/-0.761 χ^2/NDF: 2031137.2/20

Left In: 4173.556+/-0.704 χ^2/NDF:1274968.4/22

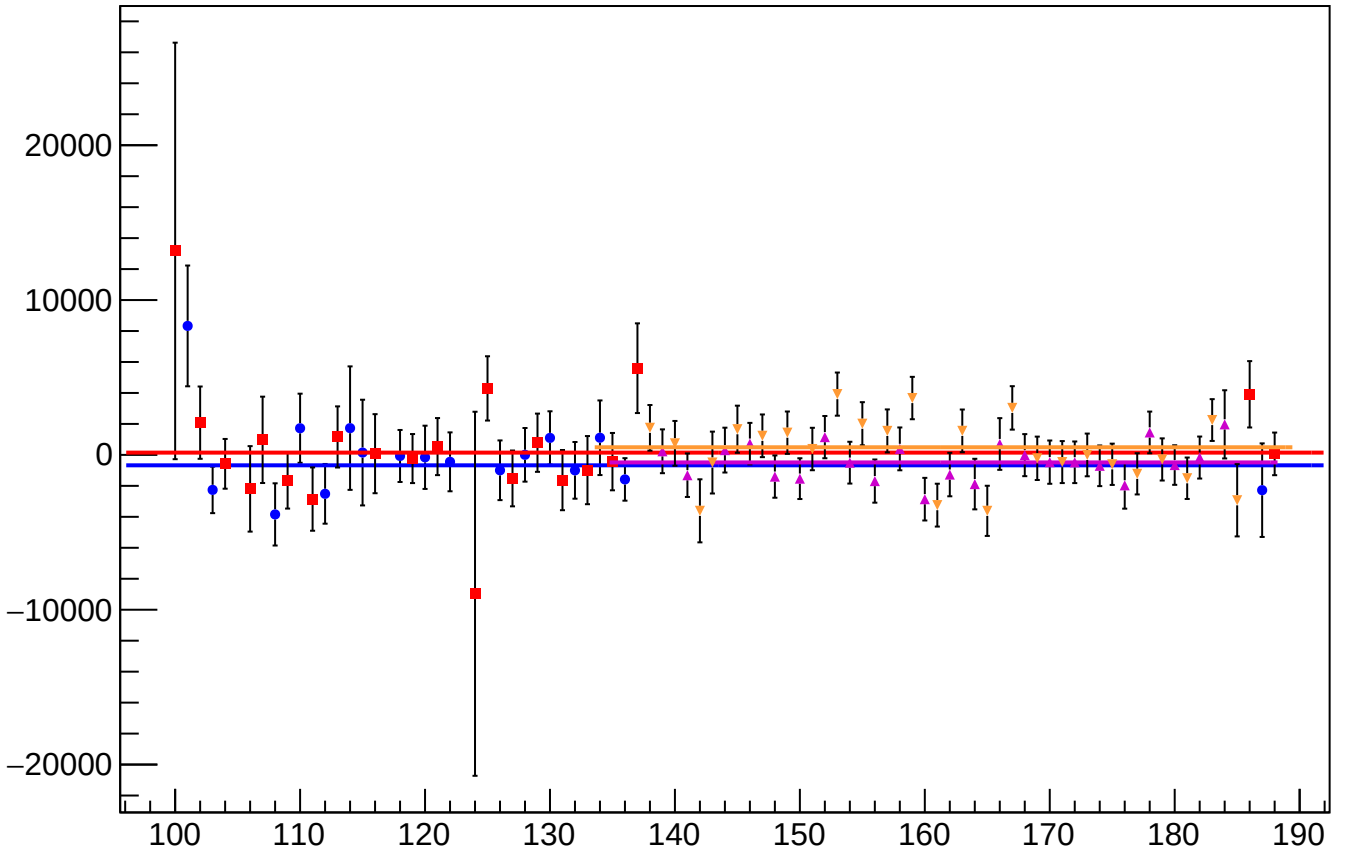
Left: 3900.981+/-0.468 χ^2/NDF: 5237573.9/47

Right: 3197.473+/-0.589 χ^2/NDF: 2617902.3/37

In: 3937.624+/-0.561 χ^2/NDF:1963400.0/39

Out: 3399.042+/-0.484 χ^2/NDF:6238405.2/45

All: 3628.560+/-0.366 χ^2/NDF: 8730114.9/85



Right In: -673.402+/-482.395 χ^2/NDF: 14.2/16

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: 146.579+/-449.775 χ^2/NDF: 19.6/20

Left In: -486.720+/-293.769 χ^2/NDF:14.4/22

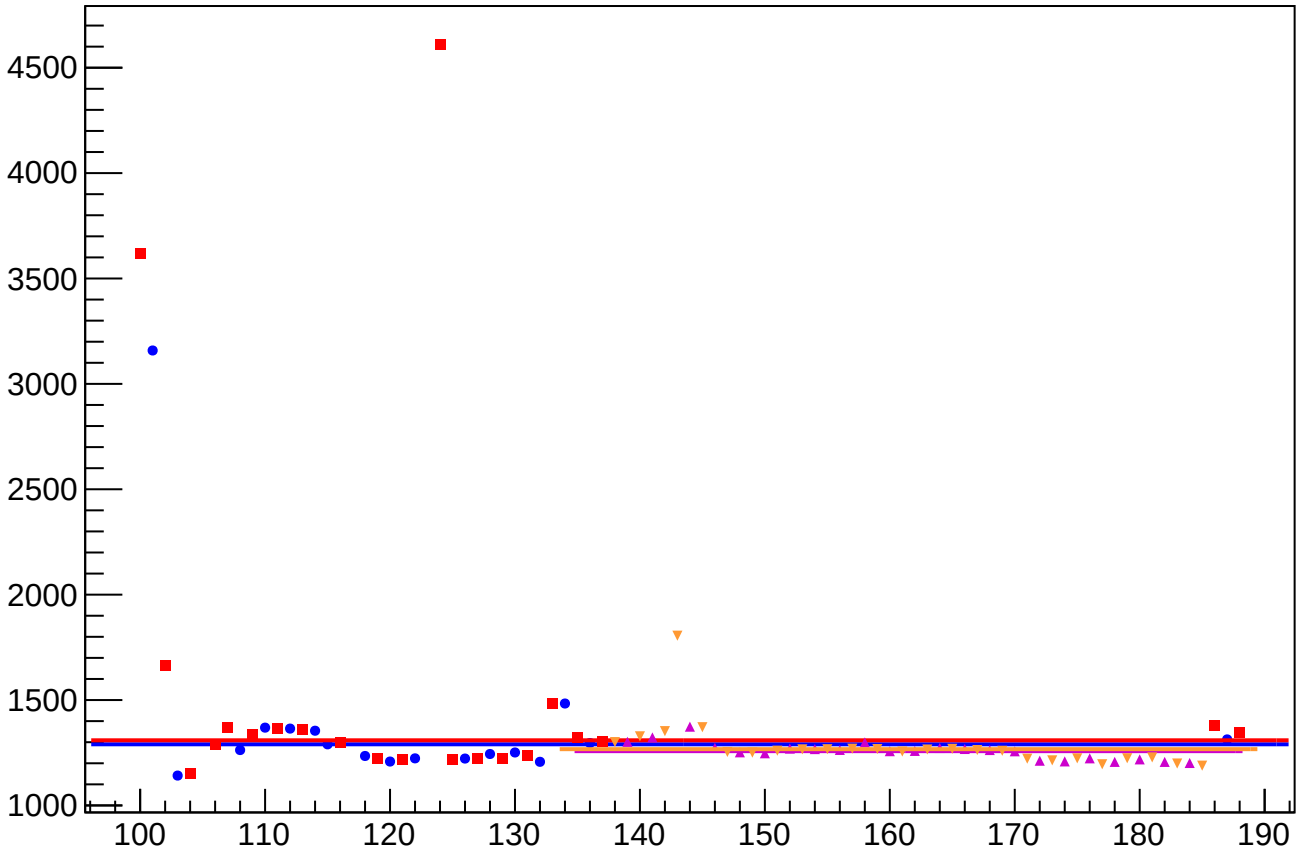
Left: 11.544+/-205.836 χ^2/NDF: 67.0/47

Right: -234.752+/-328.967 χ^2/NDF: 35.3/37

In: -537.223+/-250.905 χ^2/NDF:28.7/39

Out: 391.368+/-242.834 χ^2/NDF:66.9/45

All: -57.752+/-174.493 χ^2/NDF: 102.7/85



Right In: 1290.072+/-0.341 χ^2/NDF: 514797.0/16

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

Right Out: 1309.004+/-0.318 χ^2/NDF: 330097.7/20

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

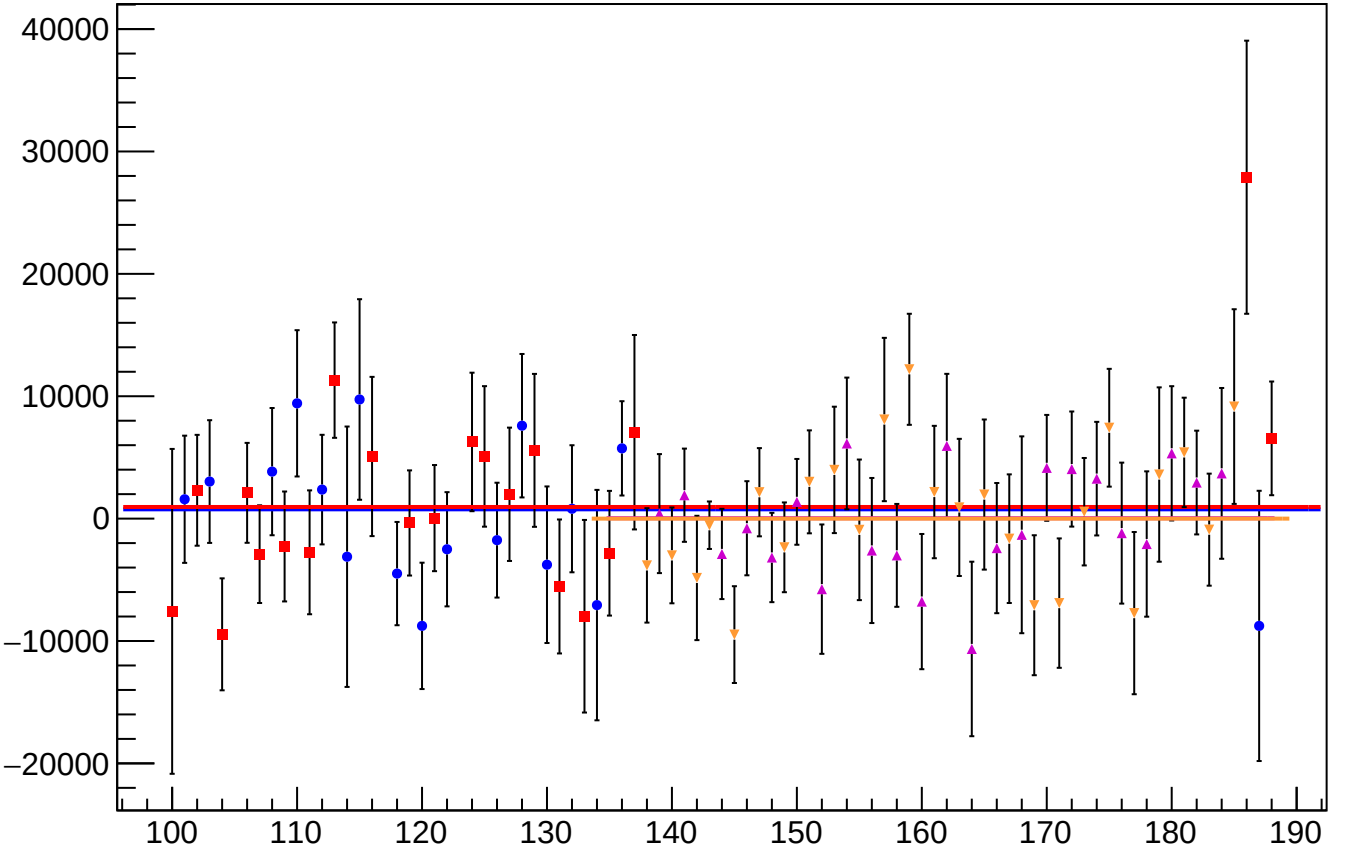
Right: 1300.214+/-0.232 χ^2/NDF: 846545.0/37

In: 1266.349+/-0.177 χ^2/NDF:558243.8/39

Out: 1279.248+/-0.172 χ^2/NDF:530048.2/45

All: 1273.012+/-0.123 χ^2/NDF: 1091022.6/85

asym_at1_avg_at2_avg_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: 758.865+/-1315.387 χ^2/NDF: 14.8/16

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

Right Out: 950.718+/-1140.555 χ^2/NDF: 26.2/20

Left In: 31.597+/-995.347 χ^2/NDF:14.0/22

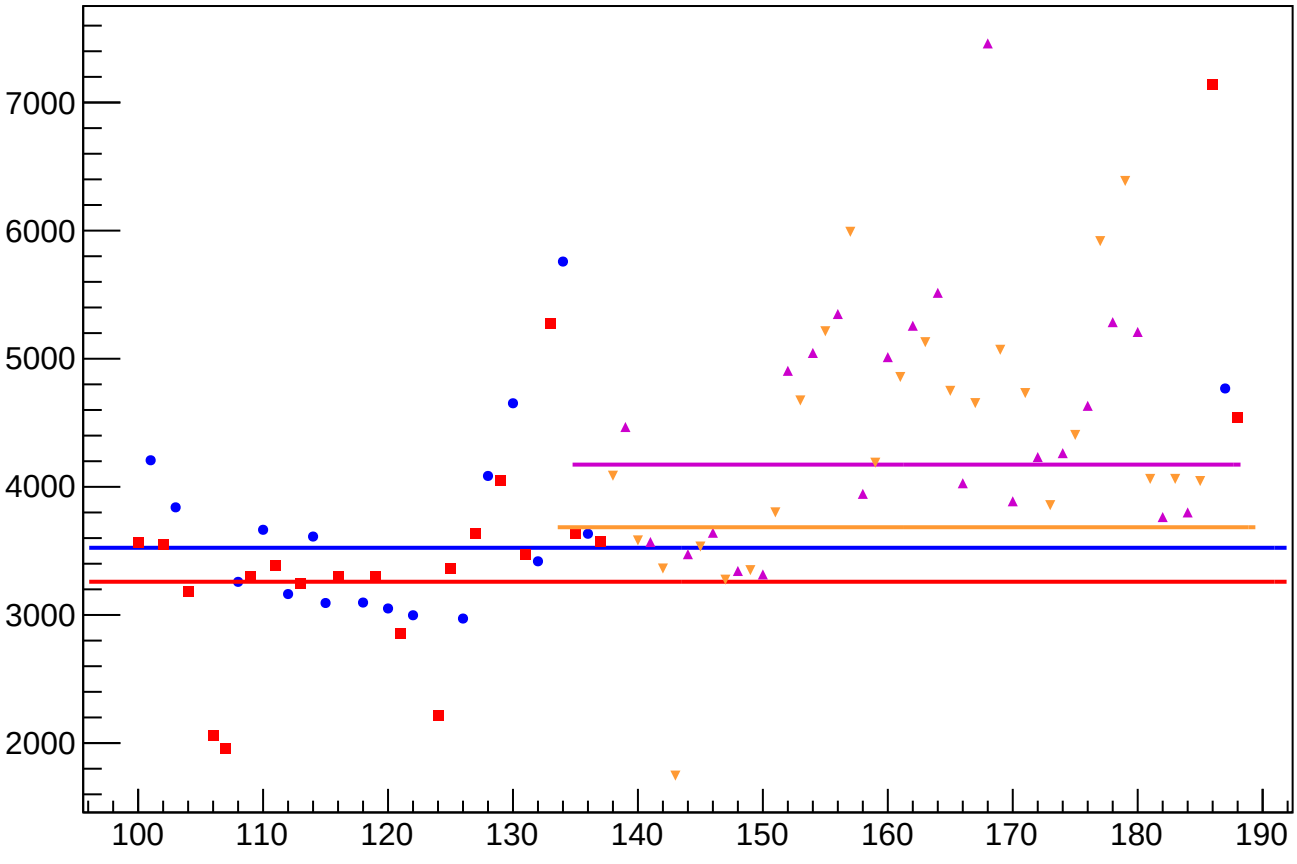
Left: 13.675+/-661.996 χ^2/NDF: 43.1/47

Right: 868.380+/-861.726 χ^2/NDF: 41.1/37

In: 296.399+/-793.719 χ^2/NDF:29.1/39

Out: 357.702+/-699.932 χ^2/NDF:55.7/45

All: 330.885+/-524.970 χ^2/NDF: 84.8/85



Right In: 3524.389+/-0.930 χ^2/NDF: 378974.6/16

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

Right Out: 3259.310+/-0.806 χ^2/NDF: 1066399.1/20

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

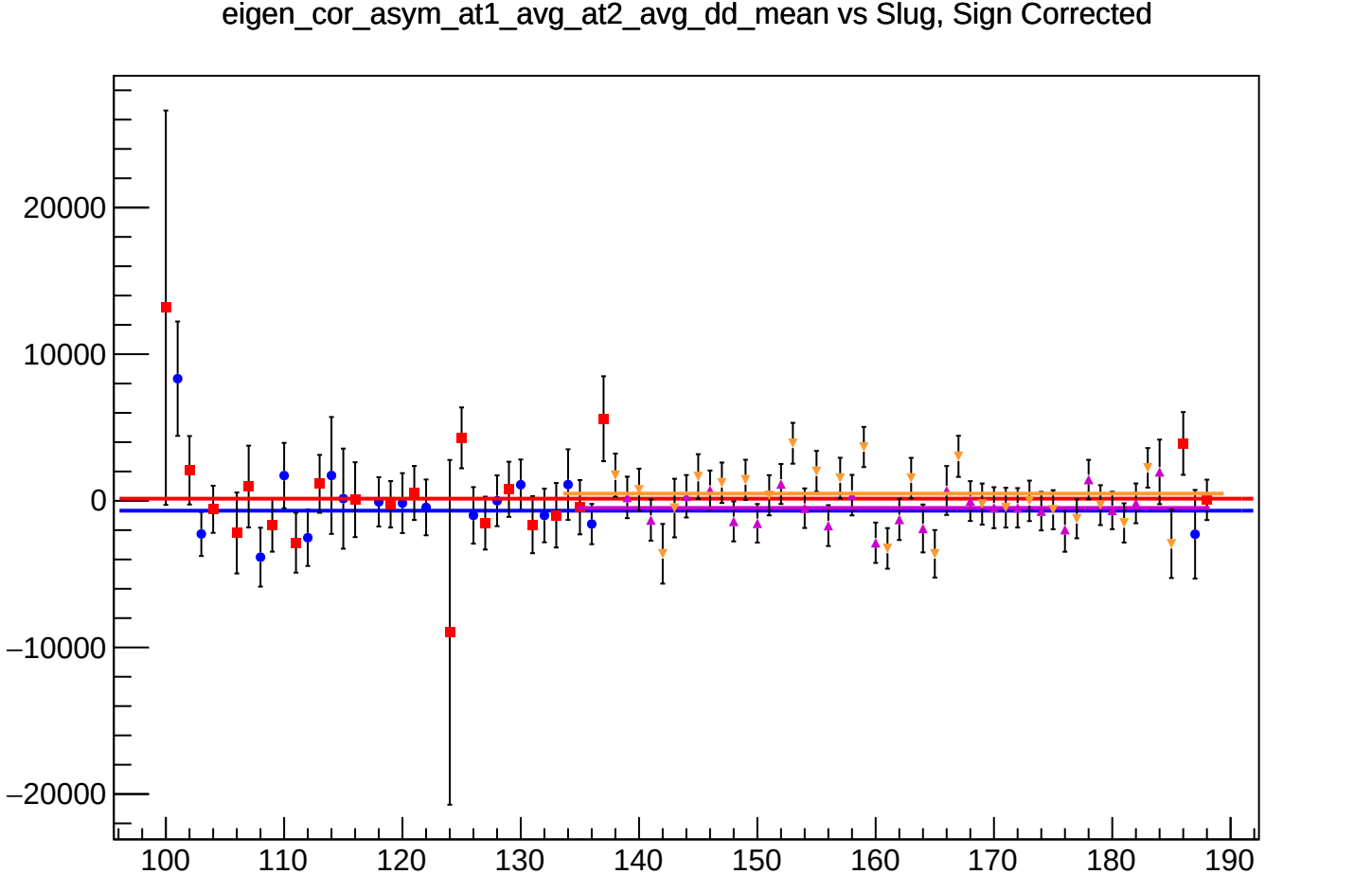
Left: 3900.975+/-0.468 χ^2/NDF: 5237615.0/47

Right: 3373.074+/-0.609 χ^2/NDF: 1491737.7/37

In: 3937.187+/-0.561 χ^2/NDF:1963693.1/39

Out: 3524.537+/-0.495 χ^2/NDF:4933573.1/45

All: 3705.053+/-0.371 χ^2/NDF: 7201366.5/85



Right In: -673.402+/-482.395 χ^2/NDF: 14.2/16

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: 146.579+/-449.775 χ^2/NDF: 19.6/20

Left In: -486.720+/-293.769 χ^2/NDF:14.4/22

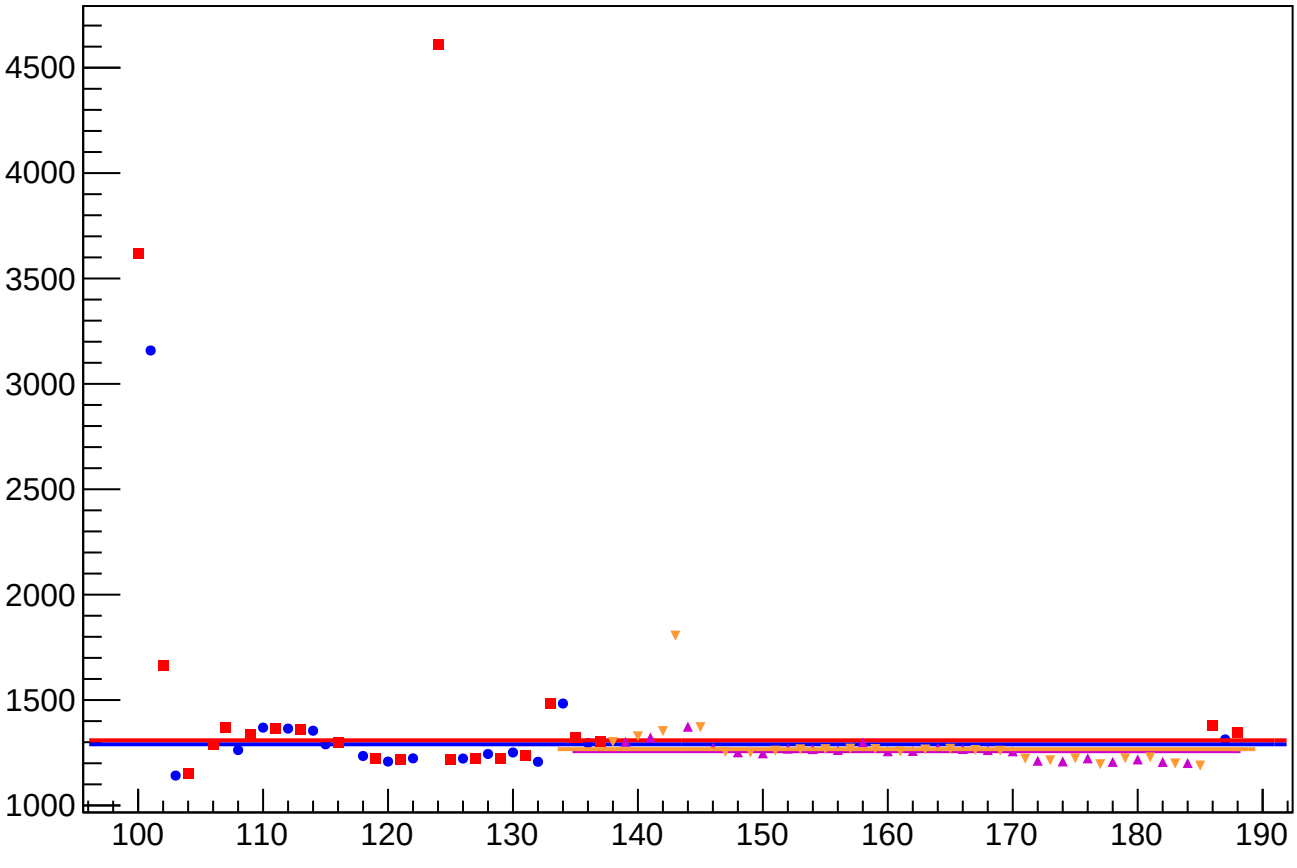
Left: 11.544+/-205.836 χ^2/NDF: 67.0/47

Right: -234.752+/-328.967 χ^2/NDF: 35.3/37

In: -537.223+/-250.905 χ^2/NDF:28.7/39

Out: 391.368+/-242.834 χ^2/NDF:66.9/45

All: -57.752+/-174.493 χ^2/NDF: 102.7/85



Right In: 1290.072+/-0.341 χ^2/NDF: 514797.0/16

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

Right Out: 1309.004+/-0.318 χ^2/NDF: 330097.7/20

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

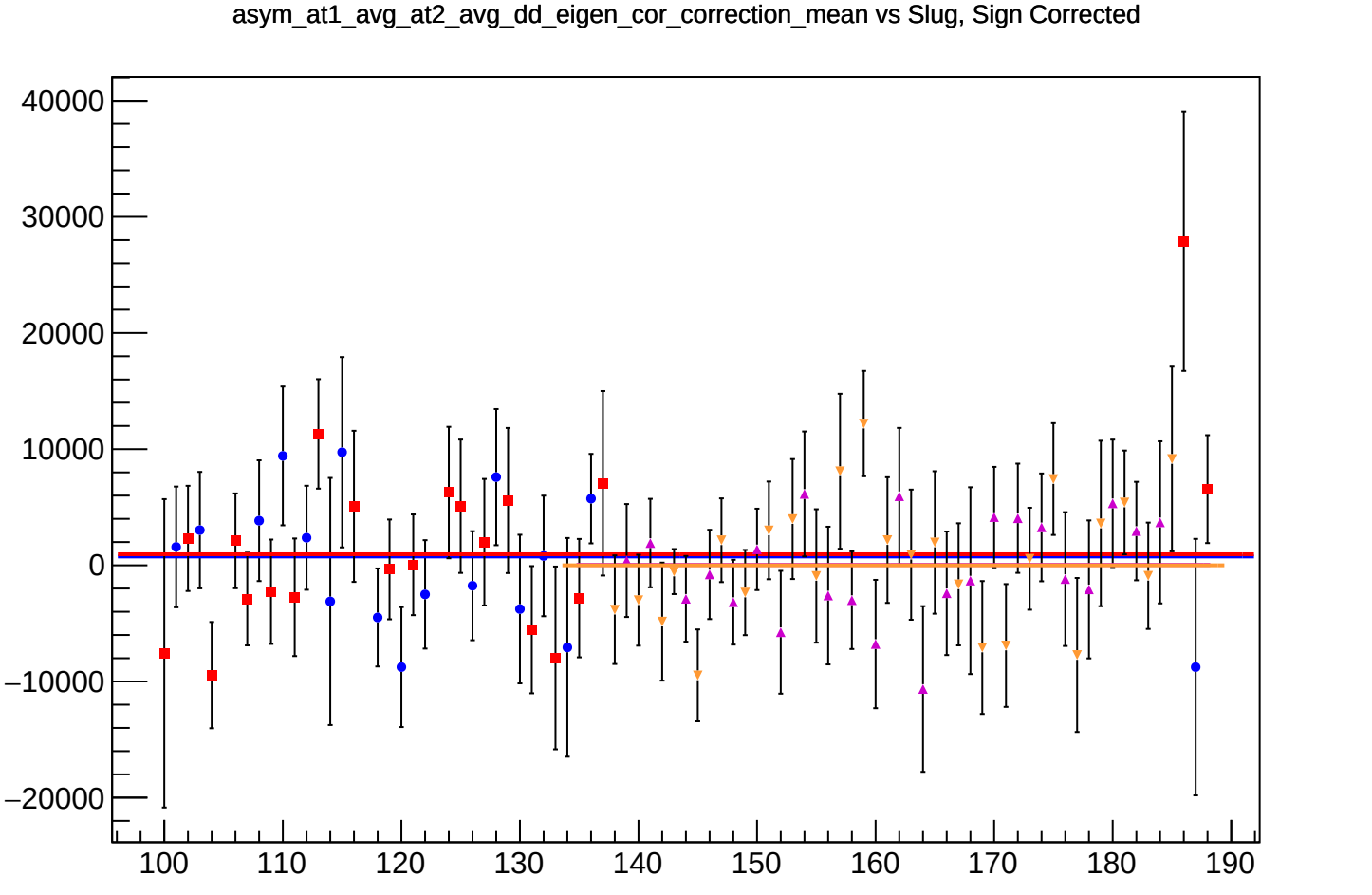
Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

Right: 1300.214+/-0.232 χ^2/NDF: 846545.0/37

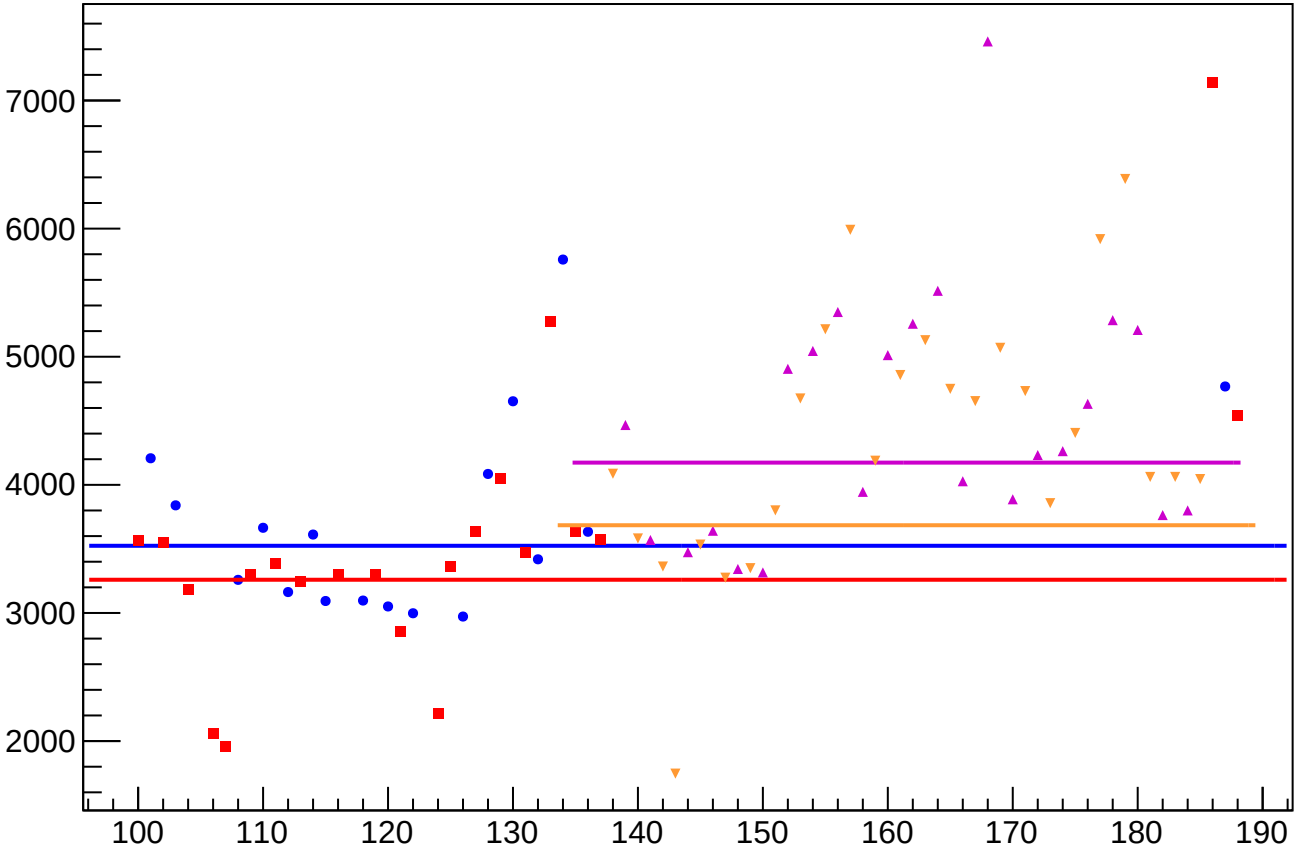
In: 1266.349+/-0.177 χ^2/NDF:558243.8/39

Out: 1279.248+/-0.172 χ^2/NDF:530048.2/45

All: 1273.012+/-0.123 χ^2/NDF: 1091022.6/85


asym_at1_avg_at2_avg_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
170
180
190
Right In: 758.865+/-1315.387 χ²/NDF: 14.8/16
Left Out: -0.541+/-886.487 χ²/NDF:29.1/24
Right Out: 950.718+/-1140.555 χ²/NDF: 26.2/20
Left In: 31.597+/-995.347 χ²/NDF:14.0/22
Left: 13.675+/-661.996 χ²/NDF: 43.1/47
Right: 868.380+/-861.726 χ²/NDF: 41.1/37
In: 296.399+/-793.719 χ²/NDF:29.1/39
Out: 357.702+/-699.932 χ²/NDF:55.7/45
All: 330.885+/-524.970 χ²/NDF: 84.8/85

asym_at1_avg_at2_avg_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 3524.389+/-0.930 χ^2/NDF: 378974.6/16

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

Right Out: 3259.310+/-0.806 χ^2/NDF: 1066399.1/20

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

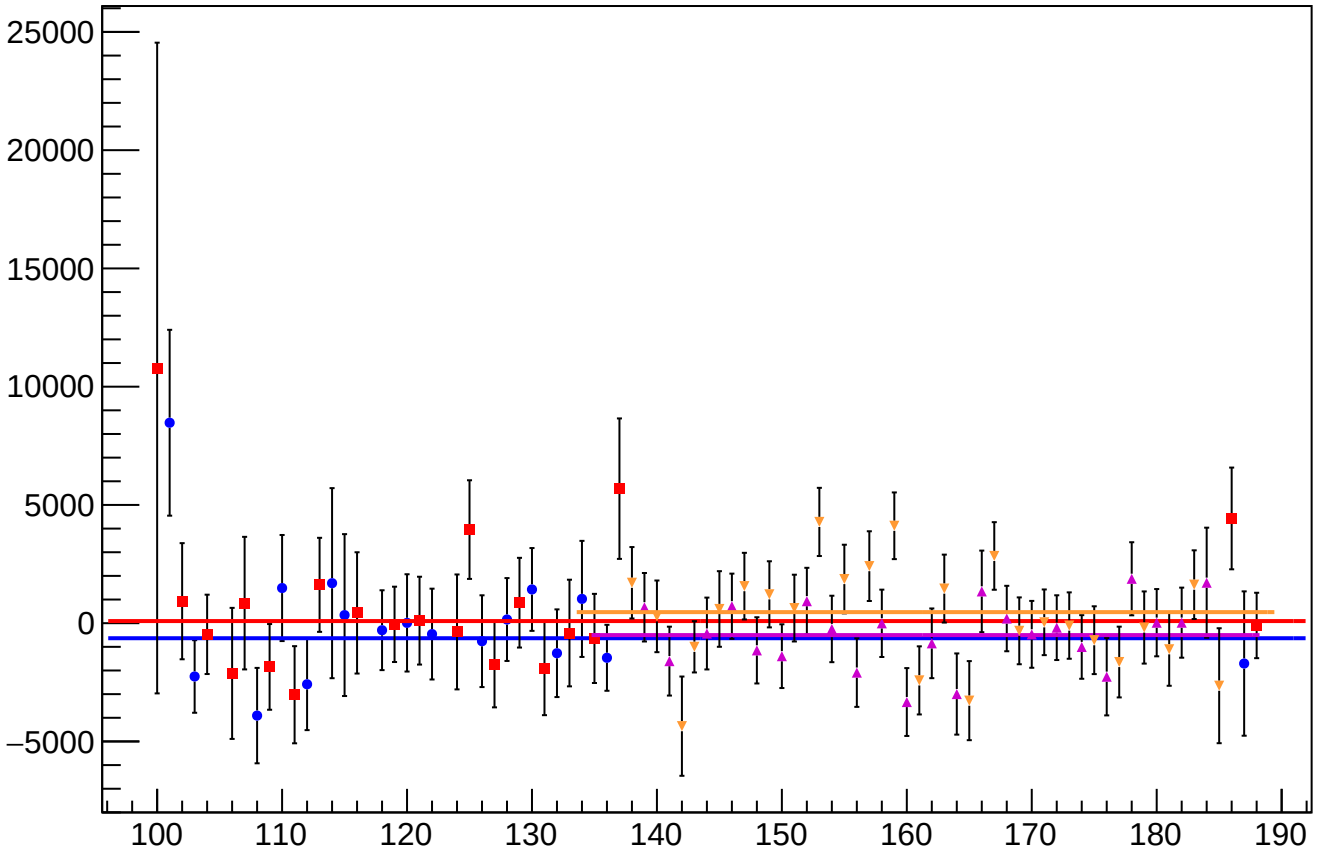
Left: 3900.975+/-0.468 χ^2/NDF: 5237615.0/47

Right: 3373.074+/-0.609 χ^2/NDF: 1491737.7/37

In: 3937.187+/-0.561 χ^2/NDF:1963693.1/39

Out: 3524.537+/-0.495 χ^2/NDF:4933573.1/45

All: 3705.053+/-0.371 χ^2/NDF: 7201366.5/85



Right In: -635.897+/-487.827 χ^2/NDF: 14.2/16

Left Out: 467.929+/-294.257 χ^2/NDF:44.1/24

Right Out: 89.620+/-448.080 χ^2/NDF: 19.1/20

Left In: -503.558+/-307.055 χ^2/NDF:17.4/22

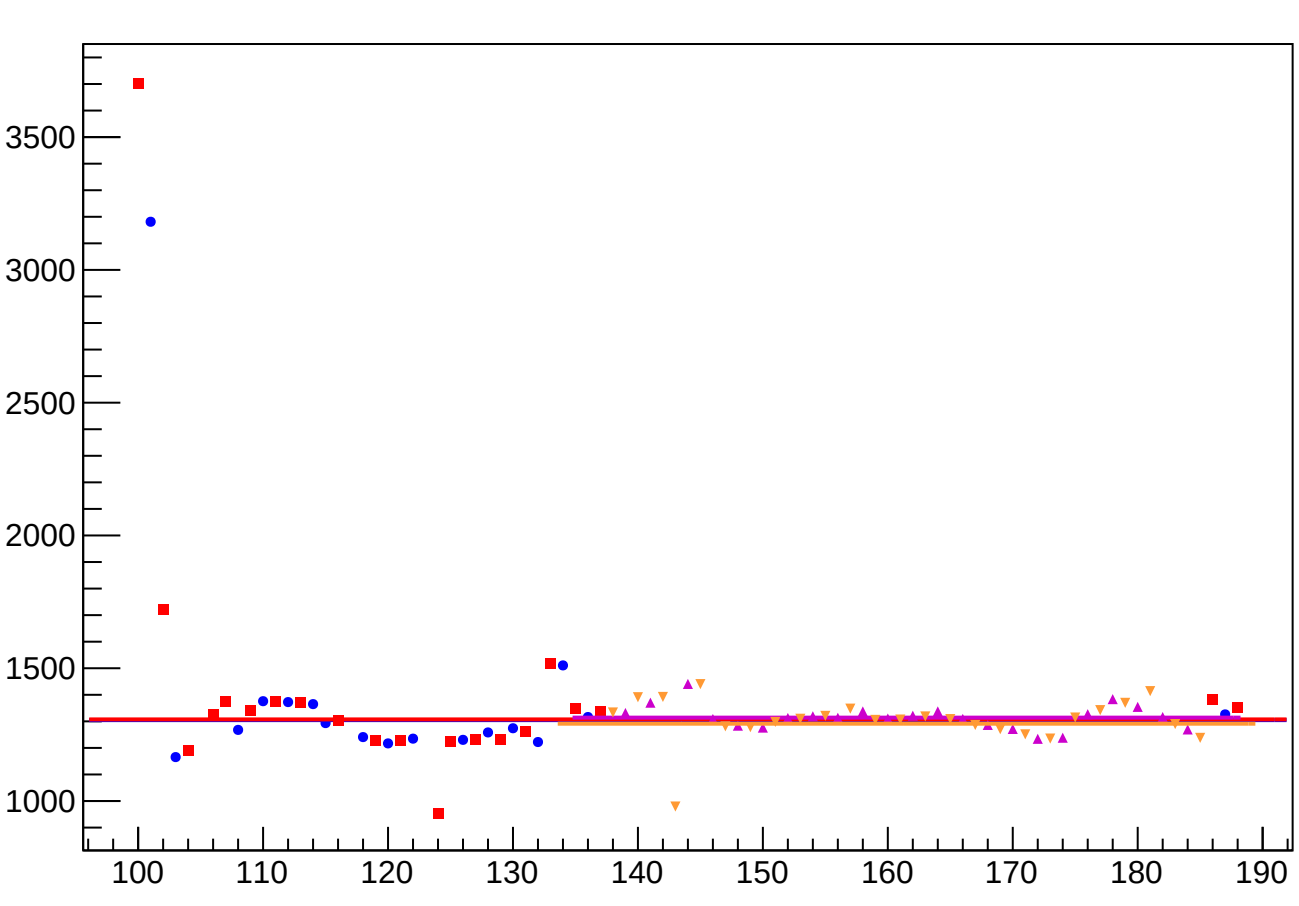
Left: 2.853+/-212.452 χ^2/NDF: 66.7/47

Right: -242.382+/-329.999 χ^2/NDF: 34.6/37

In: -541.111+/-259.863 χ^2/NDF:31.7/39

Out: 353.938+/-245.961 χ^2/NDF:63.7/45

All: -69.006+/-178.633 χ^2/NDF: 101.7/85



Right In: 1304.668+/-0.345 χ^2/NDF: 510692.0/16

Left Out: 1291.211+/-0.208 χ^2/NDF:230735.1/24

Right Out: 1307.323+/-0.317 χ^2/NDF: 218583.3/20

Left In: 1314.006+/-0.217 χ^2/NDF:43044.7/22

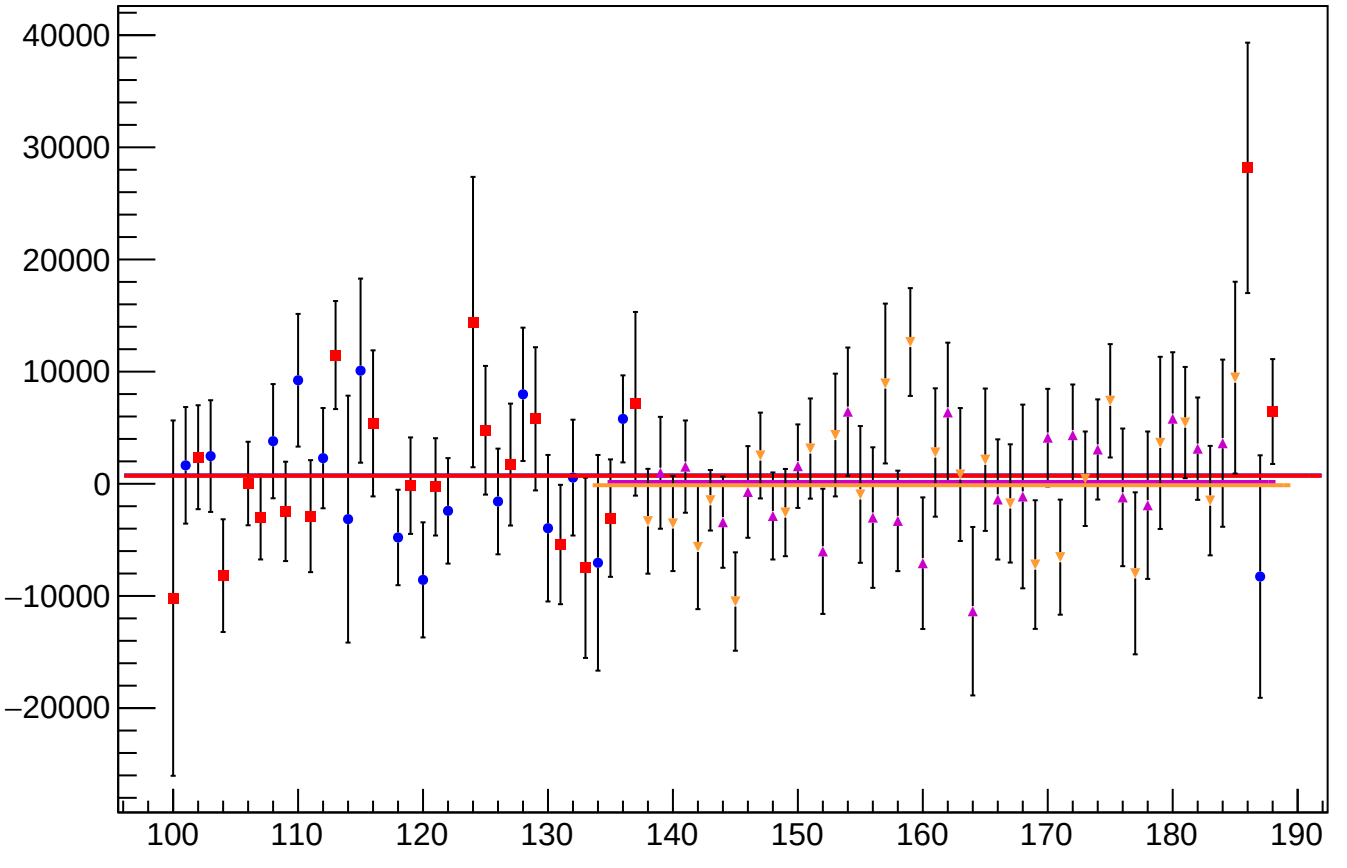
Left: 1302.123+/-0.150 χ^2/NDF: 279525.5/47

Right: 1306.109+/-0.233 χ^2/NDF: 729307.5/37

In: 1311.356+/-0.184 χ^2/NDF:554261.6/39

Out: 1296.070+/-0.174 χ^2/NDF:451127.0/45

All: 1303.292+/-0.126 χ^2/NDF: 1009039.5/85



Right In: 748.094+/-1317.505 χ^2/NDF: 14.8/16

Left Out: -127.273+/-977.231 χ^2/NDF:28.6/24

Right Out: 715.172+/-1156.094 χ^2/NDF: 24.7/20

Left In: 159.452+/-1045.510 χ^2/NDF:13.8/22

Left: 6.422+/-713.925 χ^2/NDF: 42.4/47

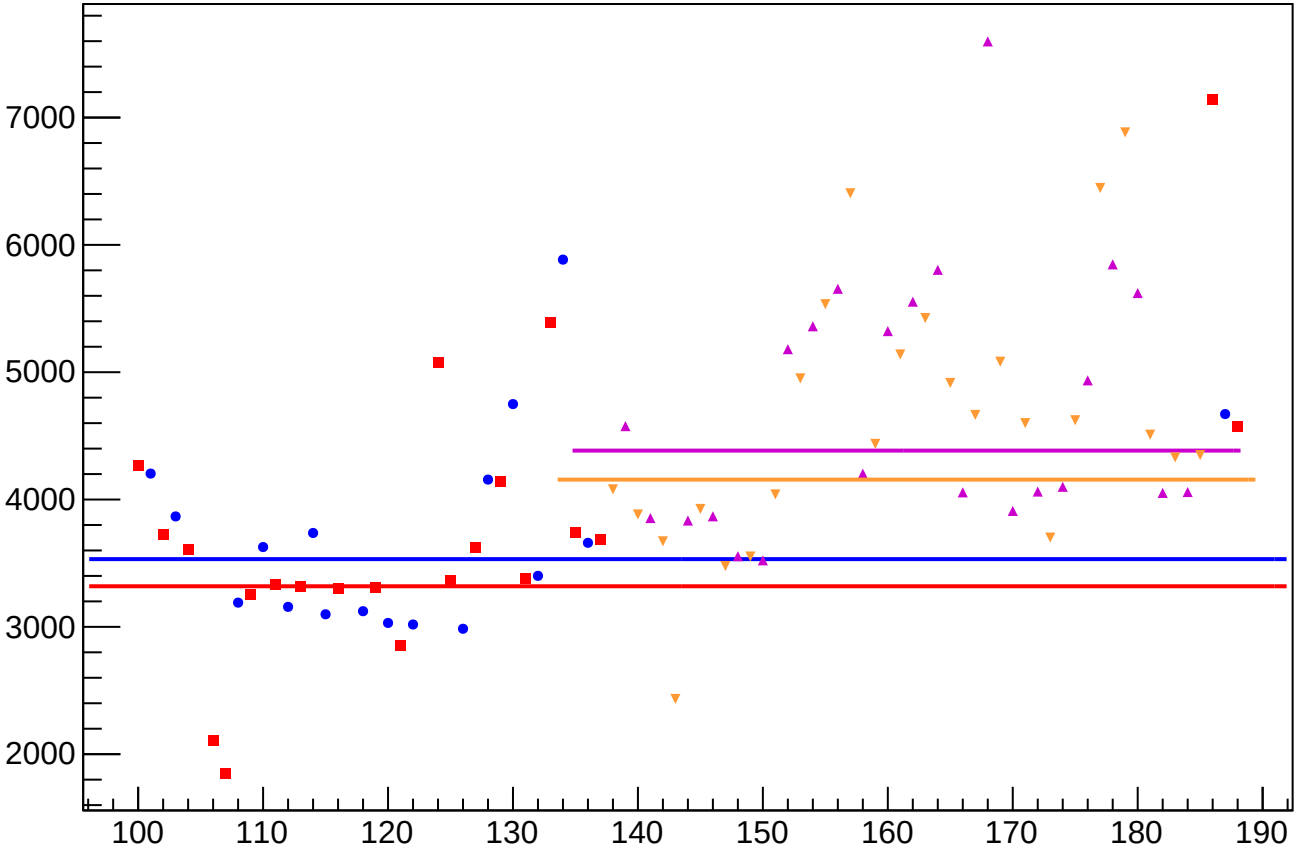
Right: 729.494+/-868.977 χ^2/NDF: 39.5/37

In: 386.904+/-818.975 χ^2/NDF:28.7/39

Out: 223.810+/-746.324 χ^2/NDF:53.6/45

All: 297.803+/-551.631 χ^2/NDF: 82.3/85

asym_at1_avg_at2_avg_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 3531.921+/-0.932 χ^2/NDF: 397625.9/16

Left Out: 4156.582+/-0.691 χ^2/NDF:2080766.1/24

Right Out: 3318.797+/-0.817 χ^2/NDF: 1172344.7/20

Left In: 4384.323+/-0.739 χ^2/NDF:1255470.8/22

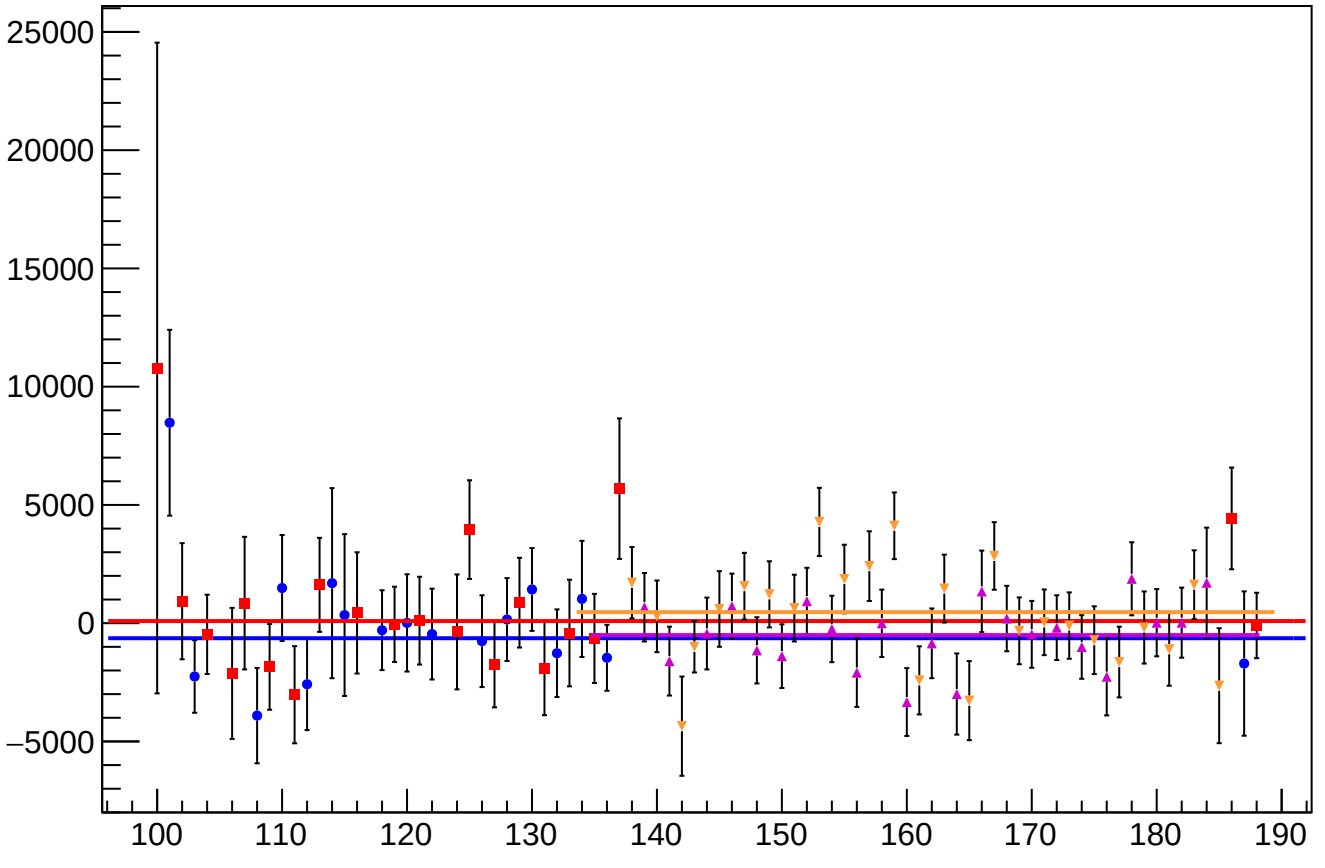
Left: 4262.773+/-0.505 χ^2/NDF: 3386885.6/47

Right: 3411.511+/-0.614 χ^2/NDF: 1599538.5/37

In: 4054.955+/-0.579 χ^2/NDF:2166784.2/39

Out: 3807.441+/-0.528 χ^2/NDF:3865698.8/45

All: 3919.735+/-0.390 χ^2/NDF: 6132282.9/85



Right In: -635.901+/-487.827 χ^2/NDF: 14.2/16

Left Out: 467.933+/-294.257 χ^2/NDF:44.1/24

Right Out: 89.613+/-448.080 χ^2/NDF: 19.1/20

Left In: -503.558+/-307.056 χ^2/NDF:17.4/22

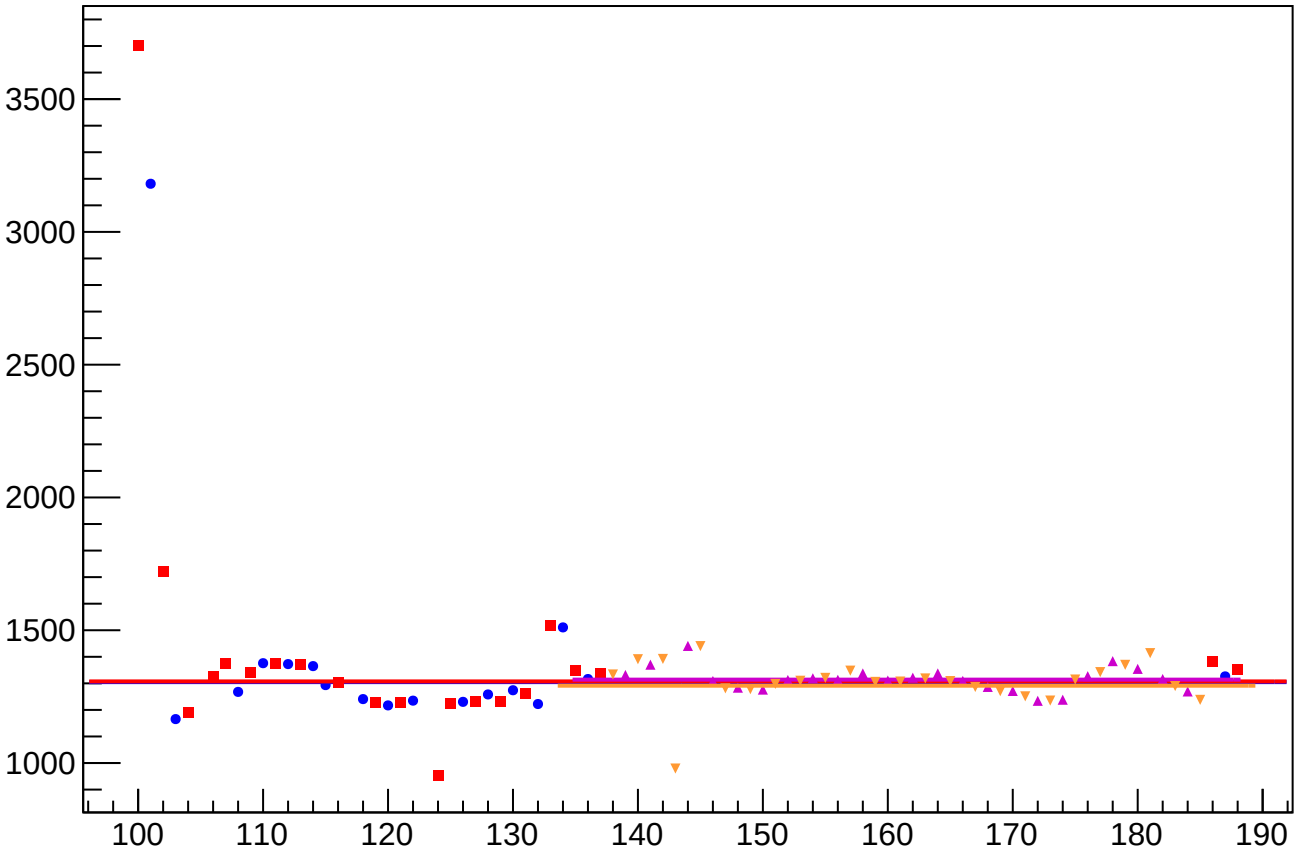
Left: 2.855+/-212.452 χ^2/NDF: 66.7/47

Right: -242.388+/-329.999 χ^2/NDF: 34.6/37

In: -541.113+/-259.863 χ^2/NDF:31.7/39

Out: 353.939+/-245.962 χ^2/NDF:63.7/45

All: -69.007+/-178.634 χ^2/NDF: 101.7/85



Right In: 1304.668+/-0.345 χ^2/NDF: 510692.2/16

Left Out: 1291.212+/-0.208 χ^2/NDF:230737.6/24

Right Out: 1307.323+/-0.317 χ^2/NDF: 218583.4/20

Left In: 1314.007+/-0.217 χ^2/NDF:43046.8/22

Left: 1302.125+/-0.150 χ^2/NDF: 279530.2/47

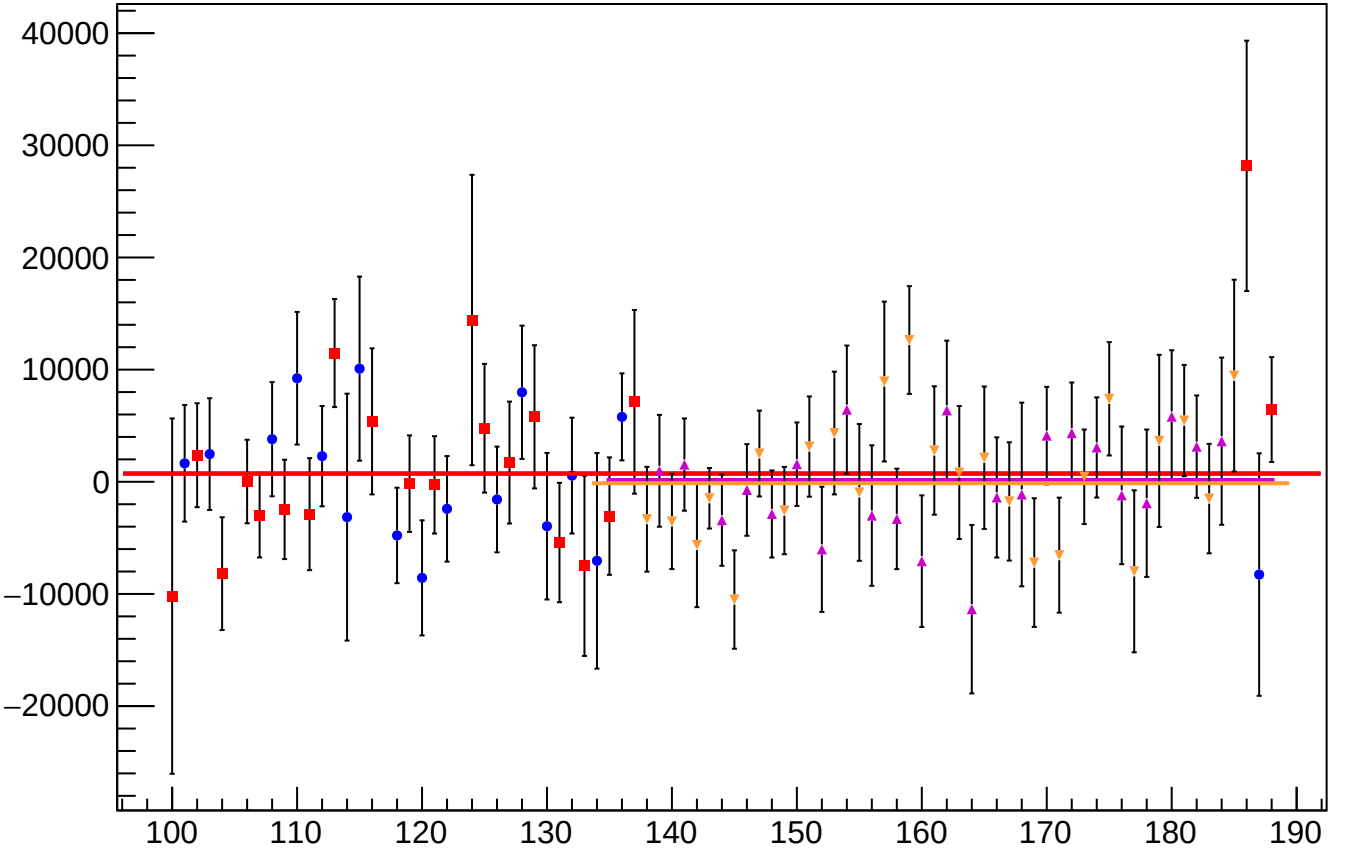
Right: 1306.109+/-0.233 χ^2/NDF: 729307.7/37

In: 1311.357+/-0.184 χ^2/NDF:554264.0/39

Out: 1296.071+/-0.174 χ^2/NDF:451129.2/45

All: 1303.293+/-0.126 χ^2/NDF: 1009044.2/85

asym_at1_avg_at2_avg_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 748.085+/-1317.502 χ^2/NDF: 14.8/16

Left Out: -127.271+/-977.232 χ^2/NDF:28.6/24

Right Out: 715.165+/-1156.092 χ^2/NDF: 24.7/20

Left In: 159.454+/-1045.511 χ^2/NDF:13.8/22

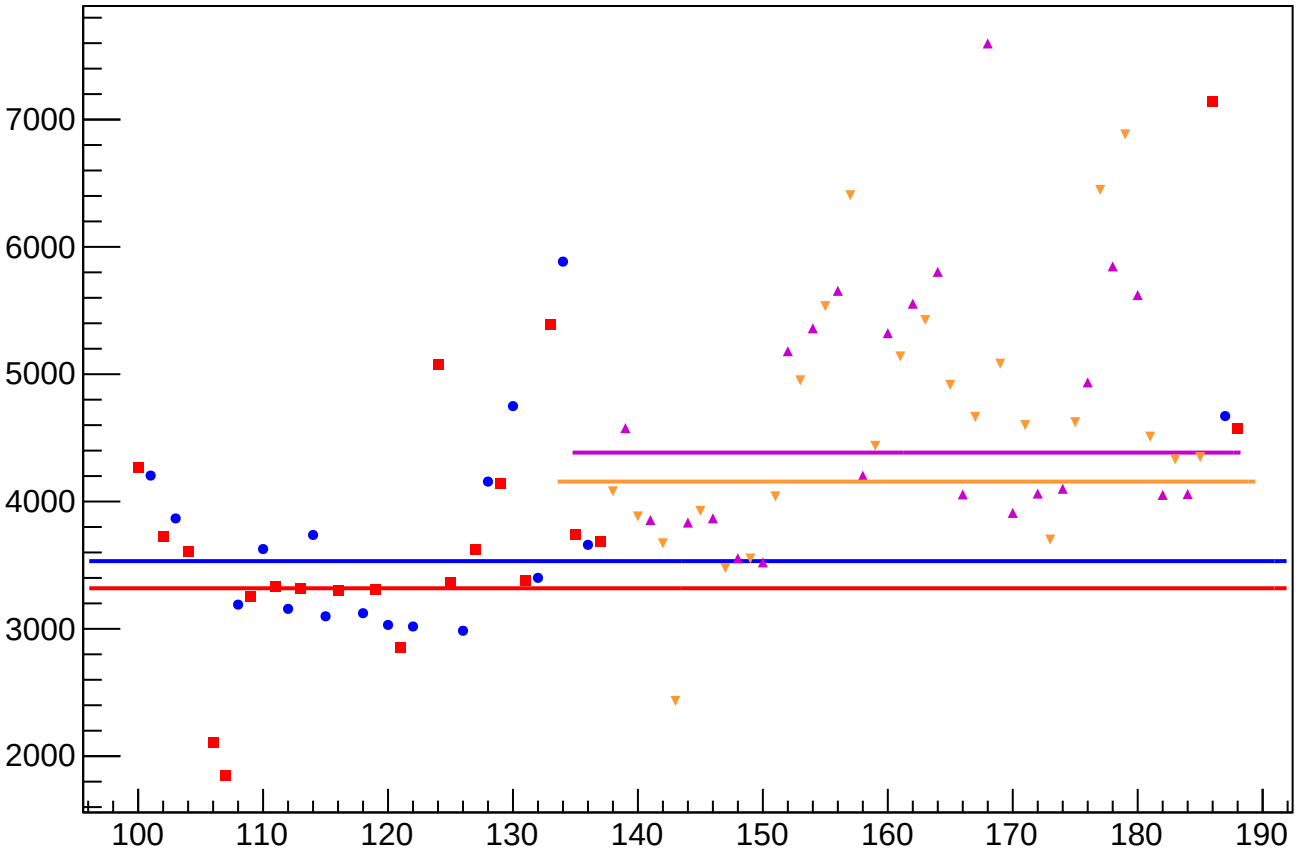
Left: 6.424+/-713.926 χ^2/NDF: 42.4/47

Right: 729.486+/-868.975 χ^2/NDF: 39.5/37

In: 386.902+/-818.975 χ^2/NDF:28.7/39

Out: 223.810+/-746.324 χ^2/NDF:53.6/45

All: 297.802+/-551.631 χ^2/NDF: 82.3/85



Right In: 3531.912+/-0.932 χ^2/NDF: 397630.7/16

Left Out: 4156.588+/-0.691 χ^2/NDF:2080769.0/24

Right Out: 3318.790+/-0.817 χ^2/NDF: 1172350.5/20

Left In: 4384.329+/-0.739 χ^2/NDF:1255475.0/22

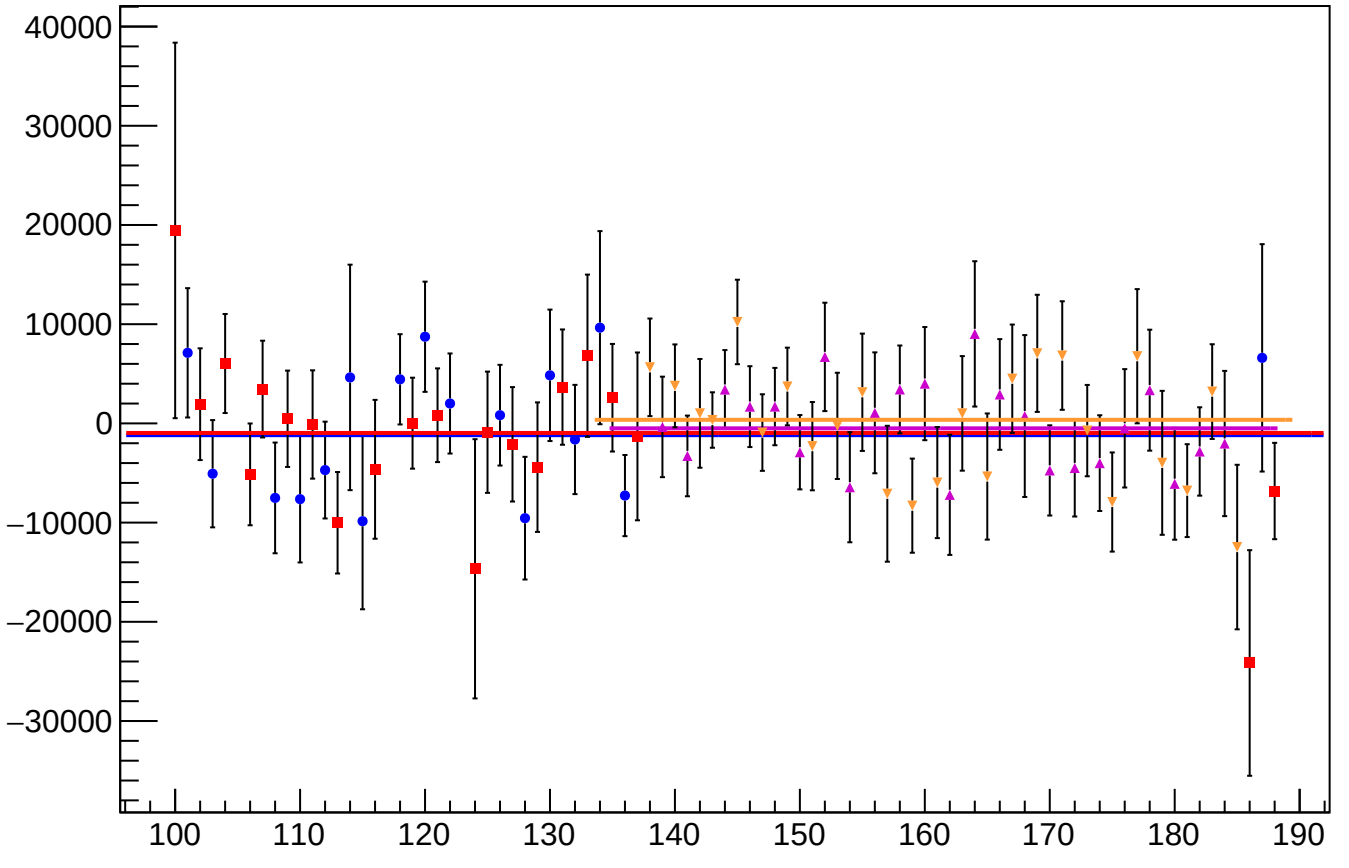
Left: 4262.780+/-0.505 χ^2/NDF: 3386892.6/47

Right: 3411.503+/-0.614 χ^2/NDF: 1599548.9/37

In: 4054.954+/-0.579 χ^2/NDF:2166813.0/39

Out: 3807.440+/-0.528 χ^2/NDF:3865728.8/45

All: 3919.734+/-0.390 χ^2/NDF: 6132341.6/85



Right In: -1187.710+/-1420.581 χ^2/NDF: 18.0/16

Left Out: 362.528+/-979.860 χ^2/NDF:27.7/24

Right Out: -964.766+/-1280.004 χ^2/NDF: 17.6/20

Left In: -497.522+/-1044.707 χ^2/NDF:13.9/22

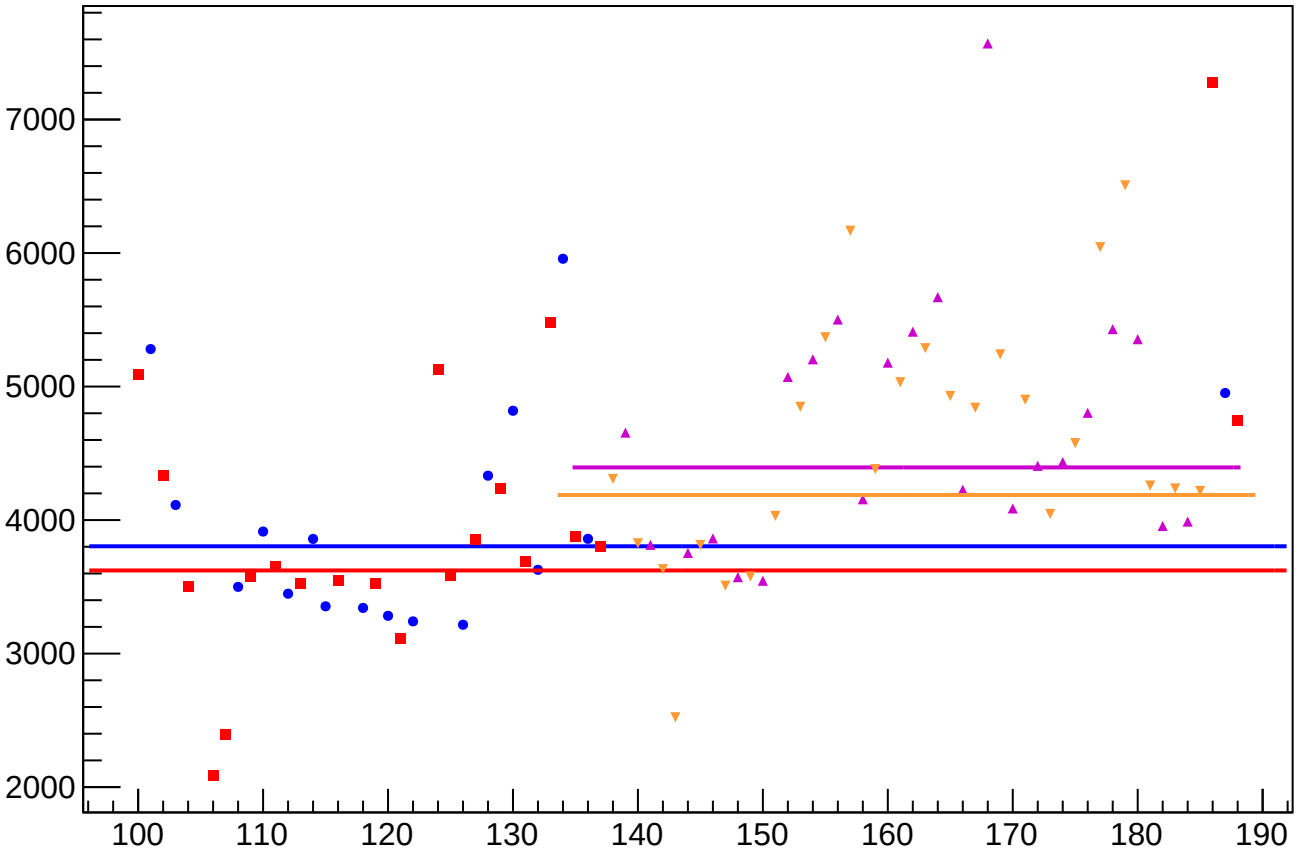
Left: -39.978+/-714.692 χ^2/NDF: 41.9/47

Right: -1064.664+/-950.926 χ^2/NDF: 35.6/37

In: -739.776+/-841.623 χ^2/NDF:32.1/39

Out: -127.890+/-778.056 χ^2/NDF:45.9/45

All: -409.856+/-571.321 χ^2/NDF: 78.3/85



Right In: 3803.689+/-1.004 χ^2/NDF: 403375.2/16

Left Out: 4187.848+/-0.693 χ^2/NDF:1796345.9/24

Right Out: 3622.693+/-0.894 χ^2/NDF: 921143.5/20

Left In: 4394.324+/-0.739 χ^2/NDF:1088394.9/22

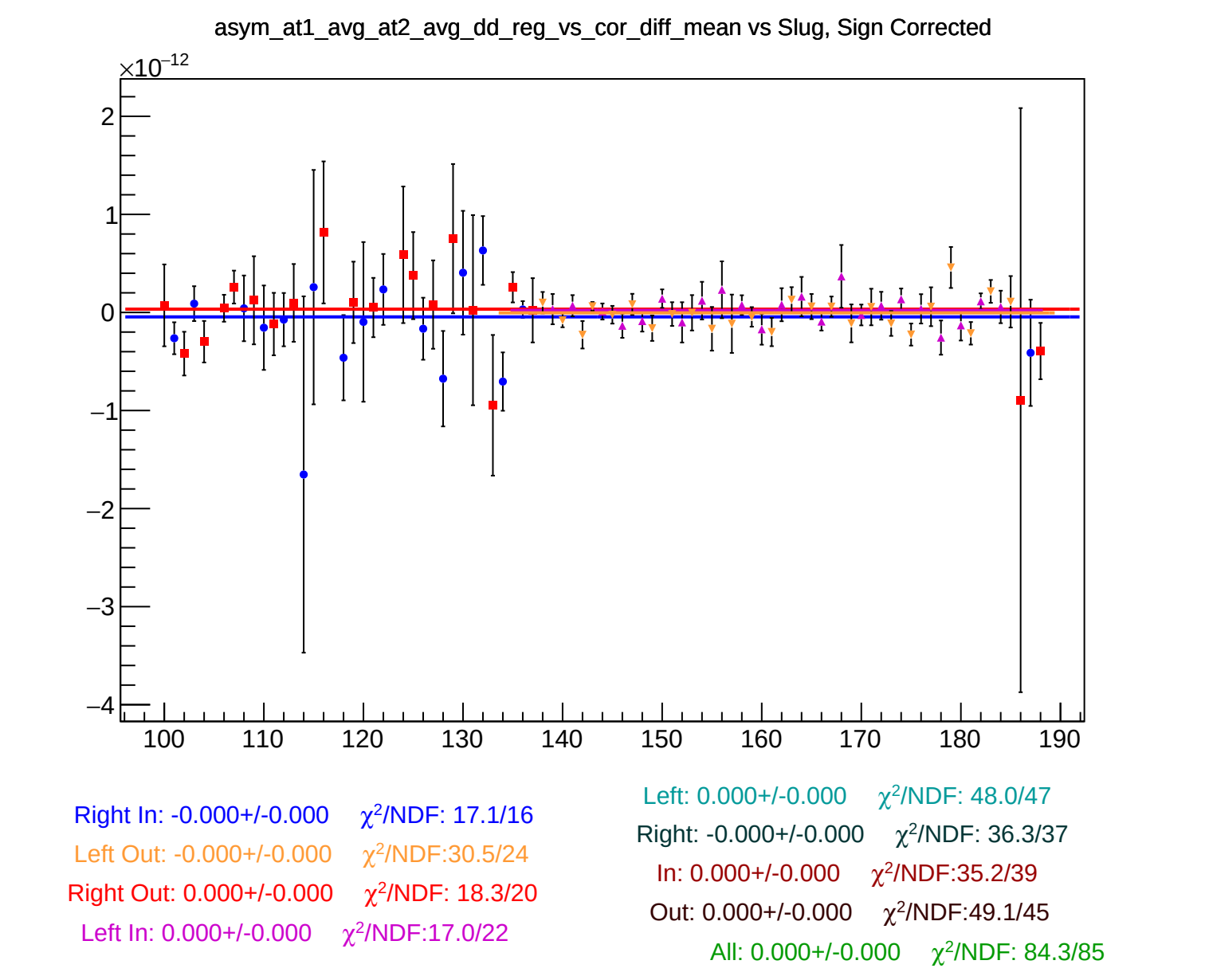
Left: 4284.479+/-0.505 χ^2/NDF: 2926302.1/47

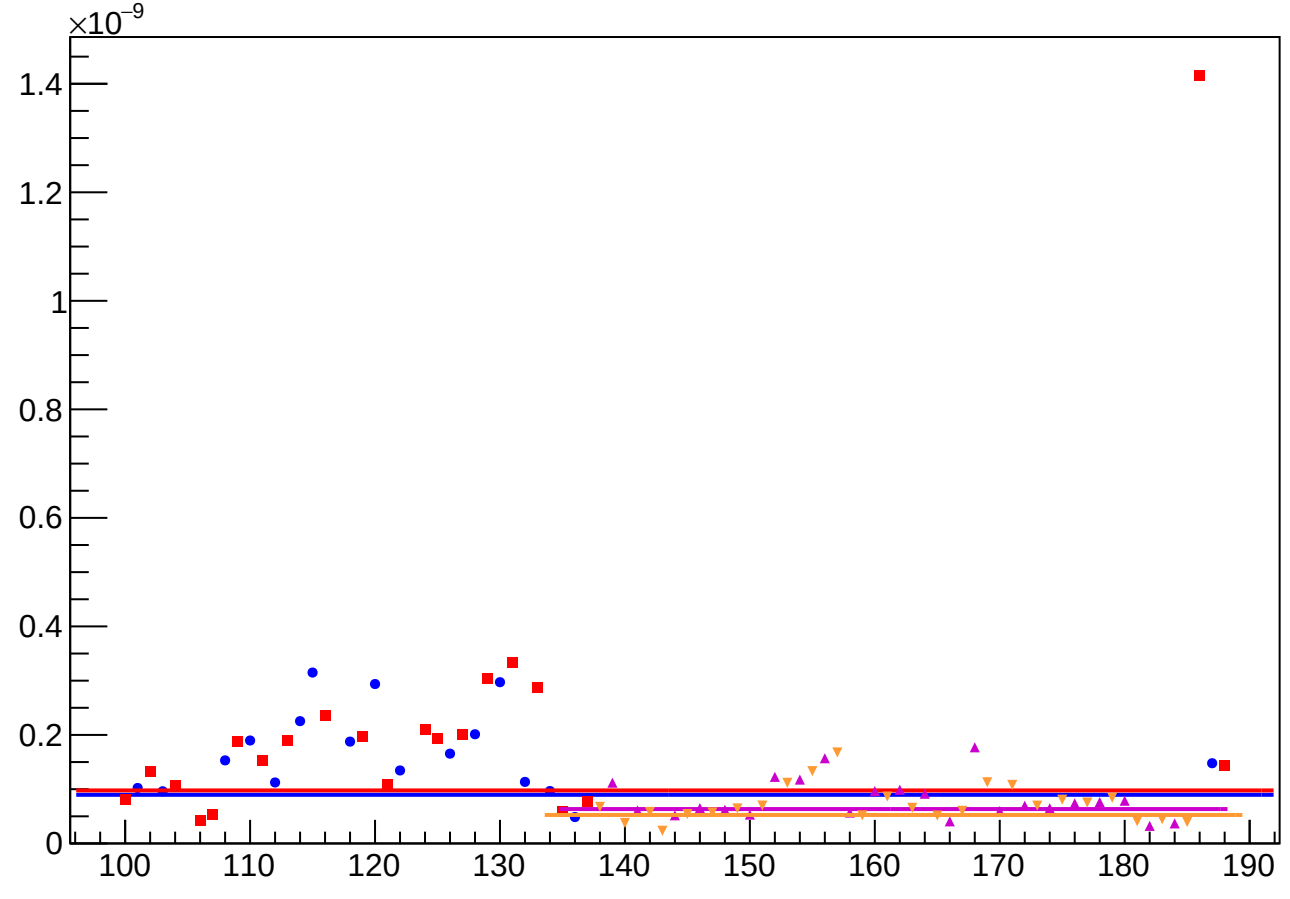
Right: 3702.668+/-0.668 χ^2/NDF: 1342639.9/37

In: 4187.011+/-0.595 χ^2/NDF:1716151.8/39

Out: 3975.698+/-0.548 χ^2/NDF:2967242.7/45

All: 4072.581+/-0.403 χ^2/NDF: 4751669.3/85


asym_at1_avg_at2_avg_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
1
0
−1
−2
−3
−4
100
110
120
130
140
150
160
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 17.1/16
Left Out: -0.000+/-0.000 χ²/NDF:30.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 18.3/20
Left In: 0.000+/-0.000 χ²/NDF:17.0/22
Left: 0.000+/-0.000 χ²/NDF: 48.0/47
Right: -0.000+/-0.000 χ²/NDF: 36.3/37
In: 0.000+/-0.000 χ²/NDF:35.2/39
Out: 0.000+/-0.000 χ²/NDF:49.1/45
All: 0.000+/-0.000 χ²/NDF: 84.3/85



Right In: 0.000+/-0.000 χ^2/NDF: 1484054.5/16

Left Out: 0.000+/-0.000 χ^2/NDF:2628519.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2182752.7/20

Left In: 0.000+/-0.000 χ^2/NDF:1788279.2/22

Left: 0.000+/-0.000 χ^2/NDF: 4618450.3/47

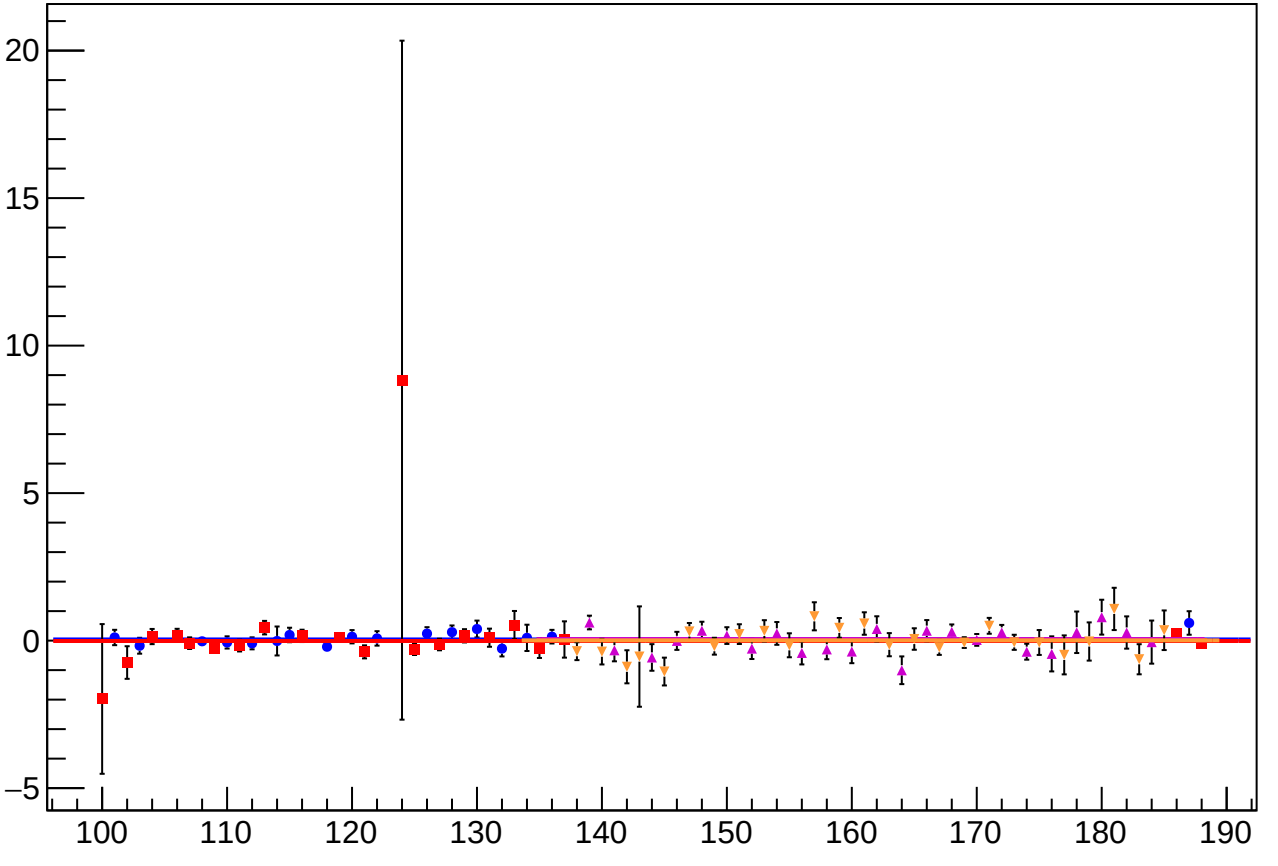
Right: 0.000+/-0.000 χ^2/NDF: 3684494.2/37

In: 0.000+/-0.000 χ^2/NDF:3607391.7/39

Out: 0.000+/-0.000 χ^2/NDF:5743467.6/45

All: 0.000+/-0.000 χ^2/NDF: 9555638.4/85

asym_at1_avg_at2_avg_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.040+/-0.057 χ^2/NDF: 11.5/16

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.013+/-0.045 χ^2/NDF: 24.7/20

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

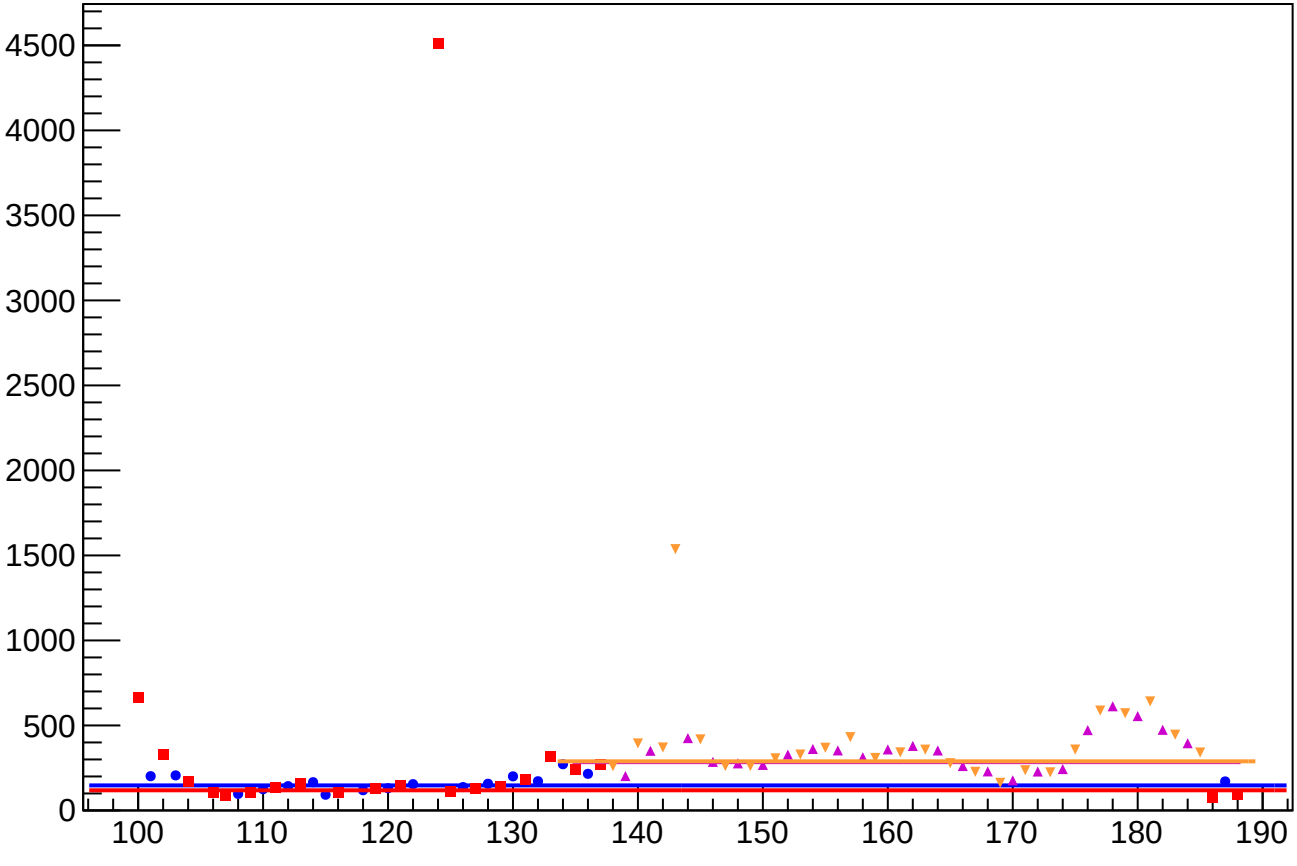
Right: 0.007+/-0.035 χ^2/NDF: 36.7/37

In: 0.045+/-0.044 χ^2/NDF:39.2/39

Out: -0.007+/-0.038 χ^2/NDF:53.7/45

All: 0.015+/-0.029 χ^2/NDF: 93.7/85

asym_at1_avg_at2_avg_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 147.318+/-0.040 χ^2/NDF: 1005702.3/16

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

Right Out: 118.570+/-0.032 χ^2/NDF: 2147690.3/20

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

Left: 286.524+/-0.035 χ^2/NDF: 7730236.9/47

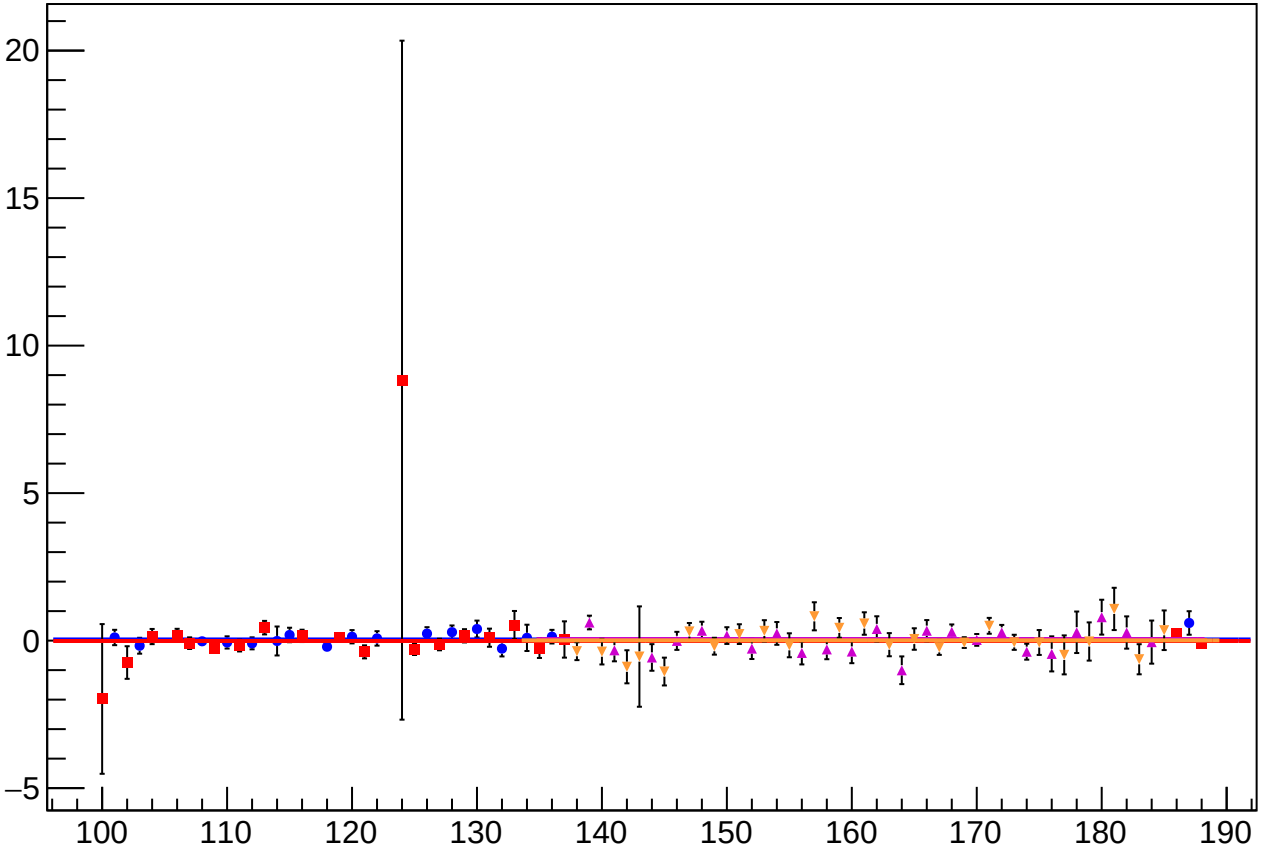
Right: 129.534+/-0.025 χ^2/NDF: 3466940.8/37

In: 201.625+/-0.031 χ^2/NDF:8640977.5/39

Out: 167.120+/-0.027 χ^2/NDF:15023755.9/45

All: 181.689+/-0.020 χ^2/NDF: 24364154.3/85

asym_at1_avg_at2_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.040+/-0.057 χ^2/NDF: 11.5/16

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.013+/-0.045 χ^2/NDF: 24.7/20

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

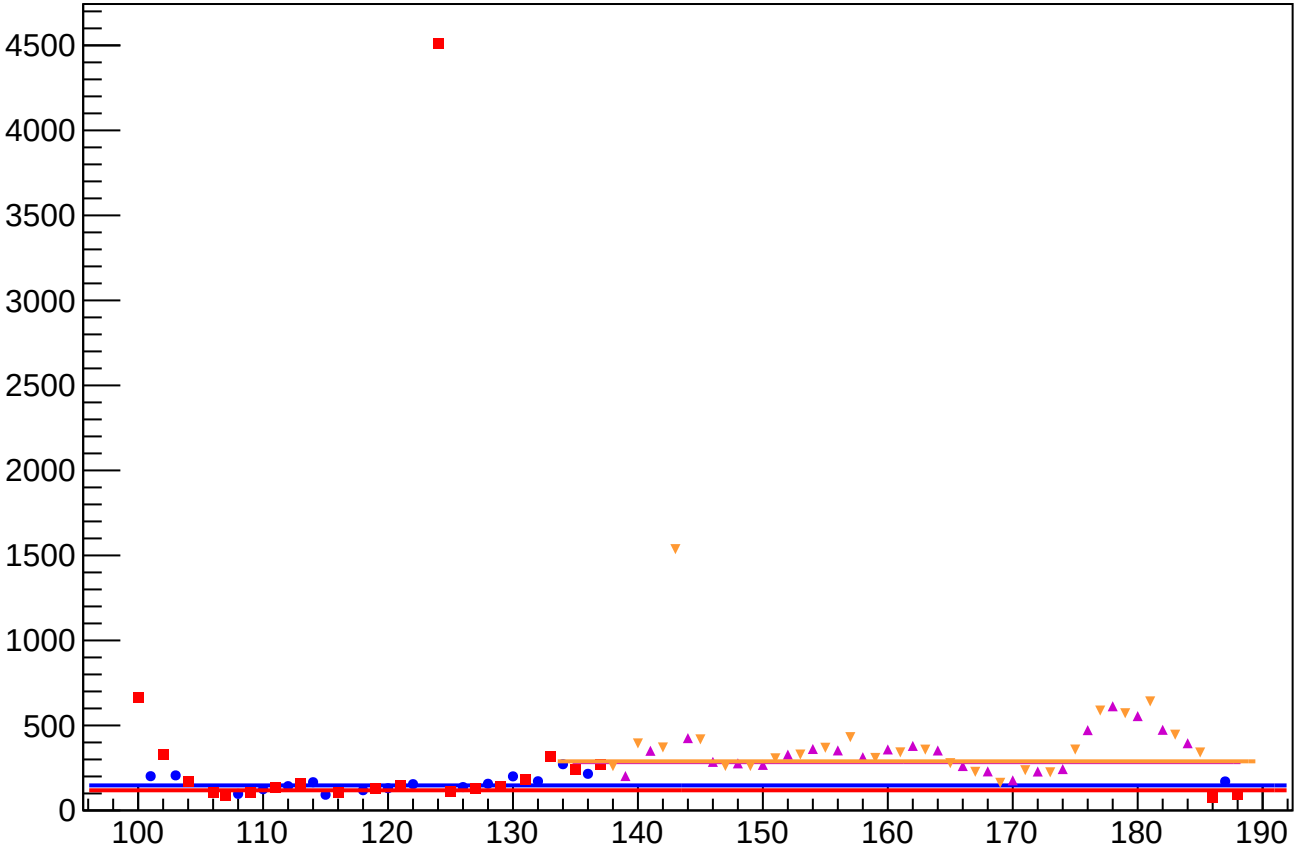
Right: 0.007+/-0.035 χ^2/NDF: 36.7/37

In: 0.045+/-0.044 χ^2/NDF:39.2/39

Out: -0.007+/-0.038 χ^2/NDF:53.7/45

All: 0.015+/-0.029 χ^2/NDF: 93.7/85

asym_at1_avg_at2_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 147.318+/-0.040 χ^2/NDF: 1005702.3/16

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

Right Out: 118.570+/-0.032 χ^2/NDF: 2147690.3/20

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

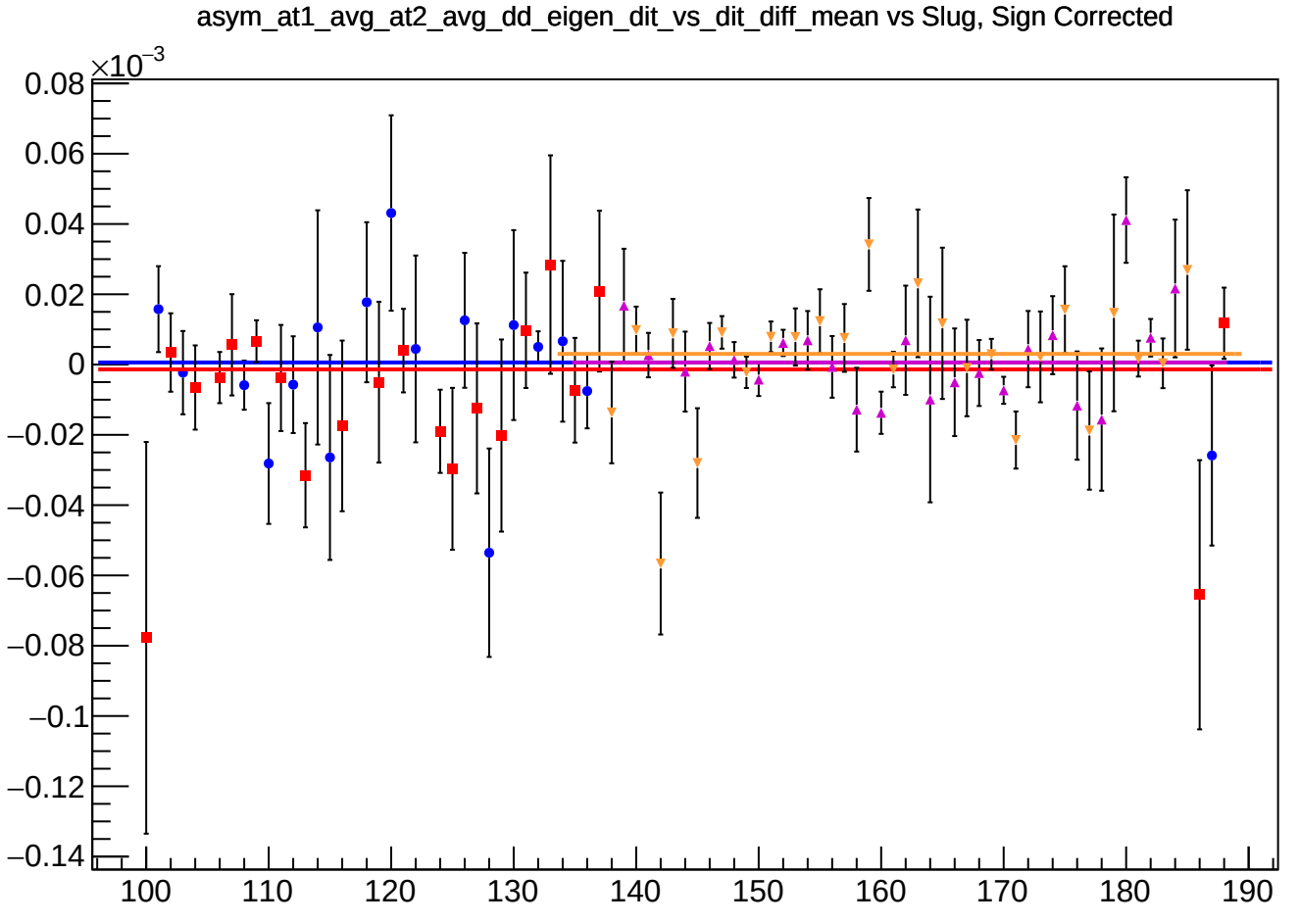
Left: 286.524+/-0.035 χ^2/NDF: 7730236.9/47

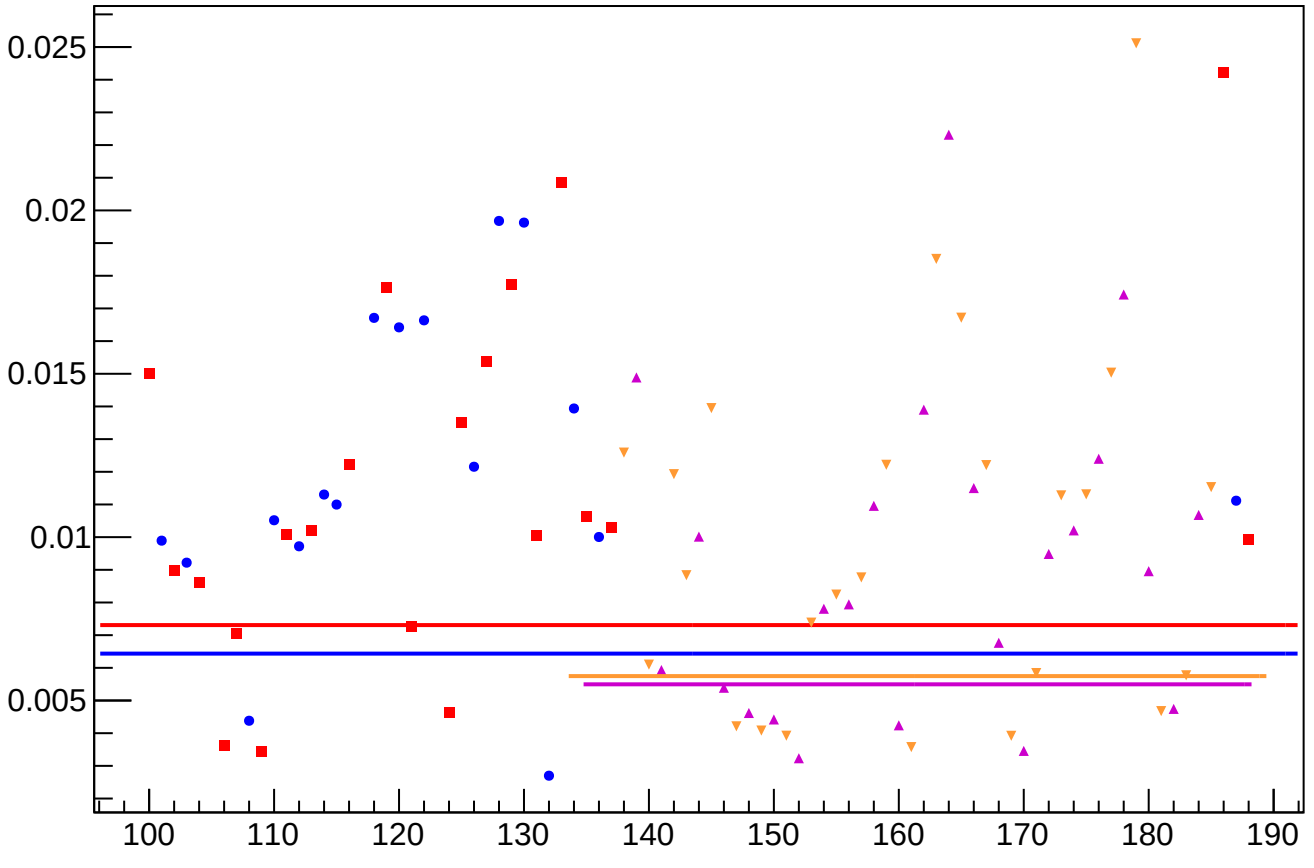
Right: 129.534+/-0.025 χ^2/NDF: 3466940.8/37

In: 201.625+/-0.031 χ^2/NDF:8640977.5/39

Out: 167.120+/-0.027 χ^2/NDF:15023755.9/45

All: 181.689+/-0.020 χ^2/NDF: 24364154.3/85


asym_at1_avg_at2_avg_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 15.9/16
Left Out: 0.000+/-0.000 χ²/NDF:42.2/24
Right Out: -0.000+/-0.000 χ²/NDF: 20.6/20
Left In: 0.000+/-0.000 χ²/NDF:33.2/22
Left: 0.000+/-0.000 χ²/NDF: 76.7/47
Right: -0.000+/-0.000 χ²/NDF: 36.8/37
In: 0.000+/-0.000 χ²/NDF:49.1/39
Out: 0.000+/-0.000 χ²/NDF:64.6/45
All: 0.000+/-0.000 χ²/NDF: 114.4/85



Right In: 0.006+/-0.000 χ^2/NDF: 4707327.9/16

Left Out: 0.006+/-0.000 χ^2/NDF:8128513.8/24

Right Out: 0.007+/-0.000 χ^2/NDF: 3959056.4/20

Left In: 0.005+/-0.000 χ^2/NDF:6937299.0/22

Left: 0.006+/-0.000 χ^2/NDF: 15093250.6/47

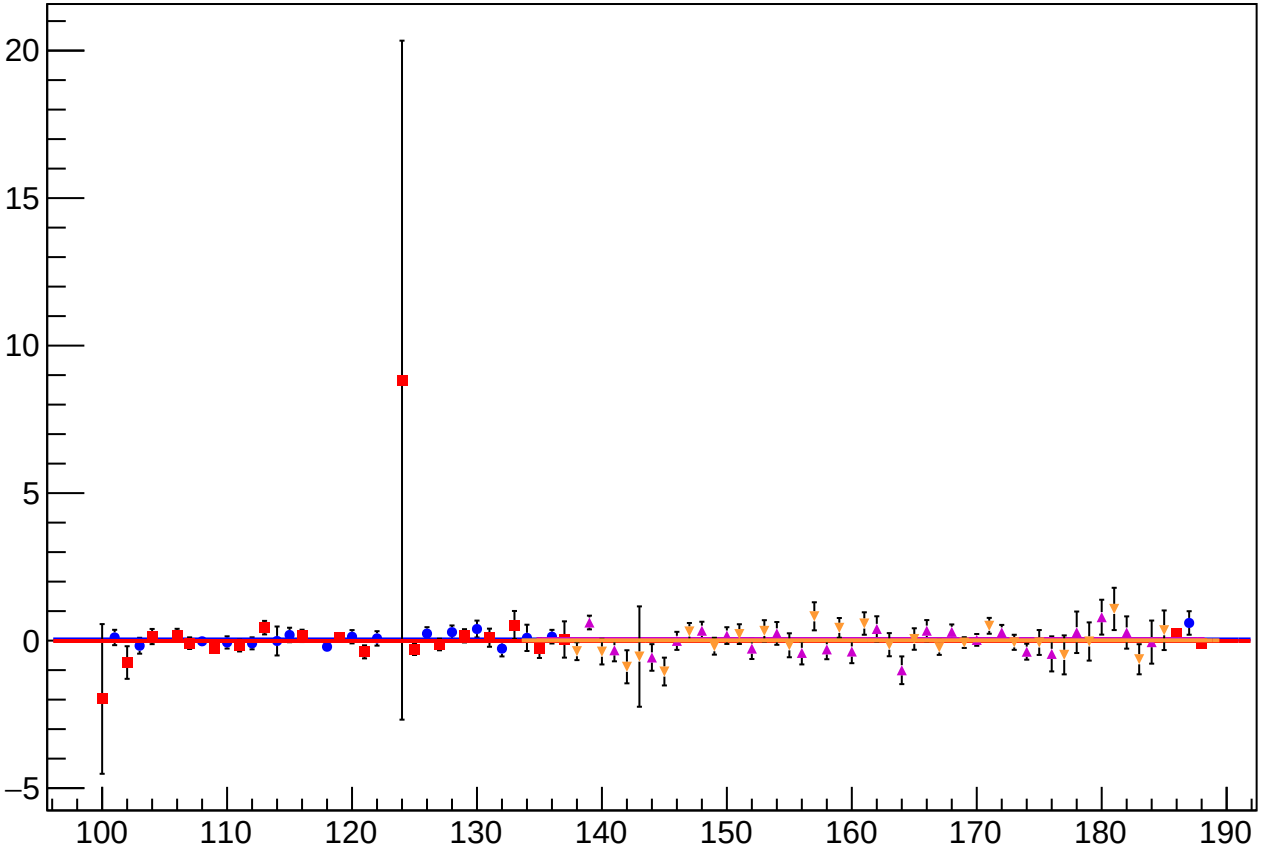
Right: 0.007+/-0.000 χ^2/NDF: 8757385.7/37

In: 0.006+/-0.000 χ^2/NDF:11808826.7/39

Out: 0.006+/-0.000 χ^2/NDF:12546785.7/45

All: 0.006+/-0.000 χ^2/NDF: 24440341.3/85

asym_at1_avg_at2_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.040+/-0.057 χ^2/NDF: 11.5/16

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.013+/-0.045 χ^2/NDF: 24.7/20

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

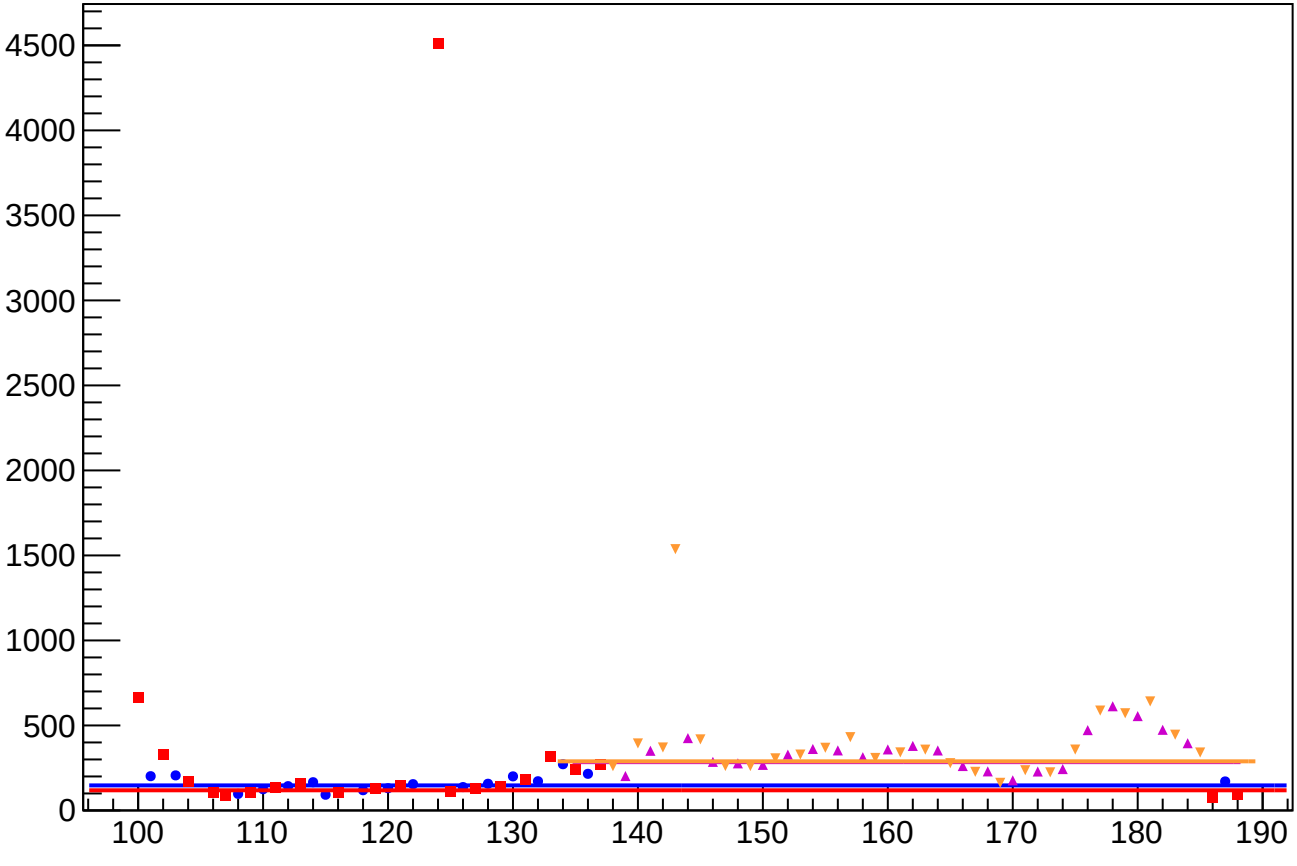
Right: 0.007+/-0.035 χ^2/NDF: 36.7/37

In: 0.045+/-0.044 χ^2/NDF:39.2/39

Out: -0.007+/-0.038 χ^2/NDF:53.7/45

All: 0.015+/-0.029 χ^2/NDF: 93.7/85

asym_at1_avg_at2_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 147.318+/-0.040 χ^2/NDF: 1005643.2/16

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

Right Out: 118.572+/-0.032 χ^2/NDF: 2147574.0/20

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

Left: 286.525+/-0.035 χ^2/NDF: 7730531.8/47

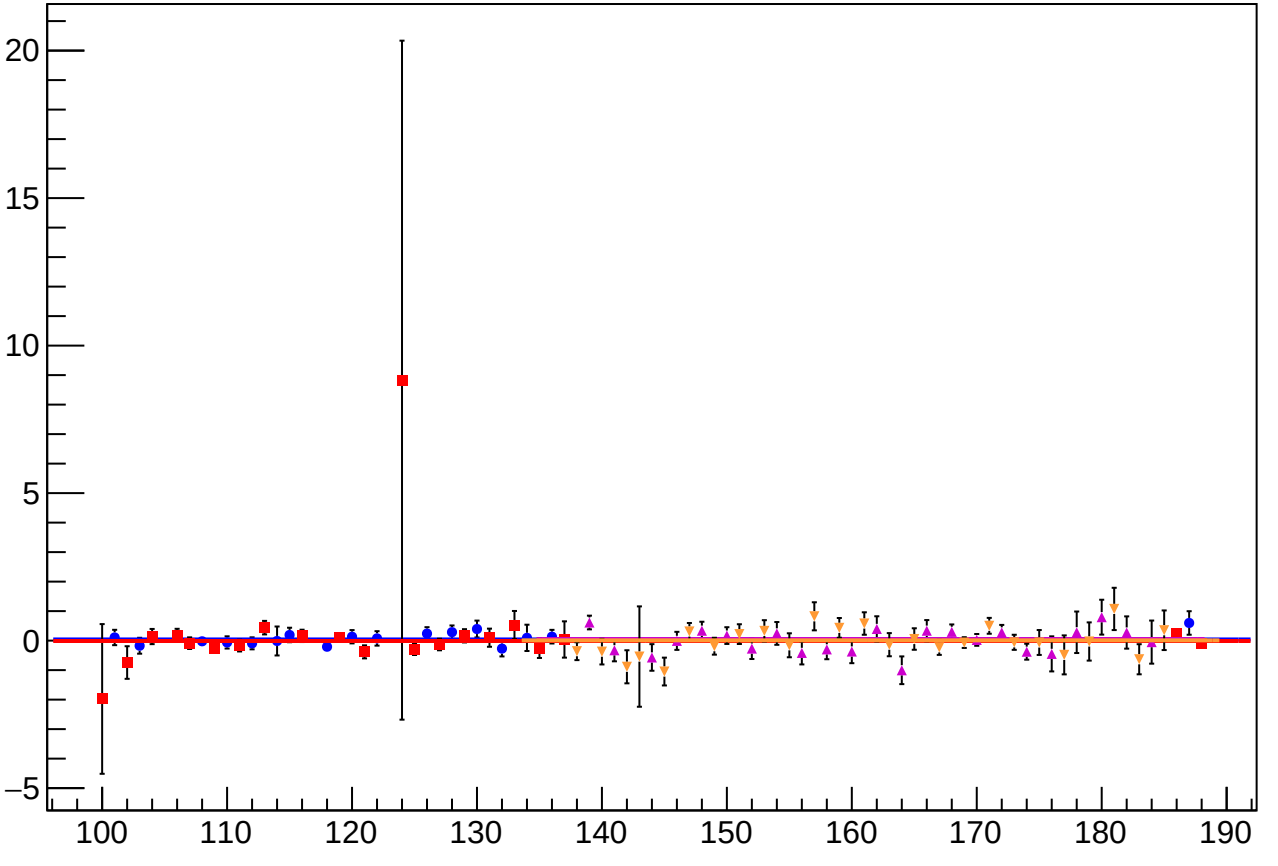
Right: 129.535+/-0.025 χ^2/NDF: 3466719.3/37

In: 201.625+/-0.031 χ^2/NDF:8641101.7/39

Out: 167.122+/-0.027 χ^2/NDF:15023568.0/45

All: 181.690+/-0.020 χ^2/NDF: 24364000.7/85

asym_at1_avg_at2_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.040+/-0.057 χ^2/NDF: 11.5/16

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.013+/-0.045 χ^2/NDF: 24.7/20

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

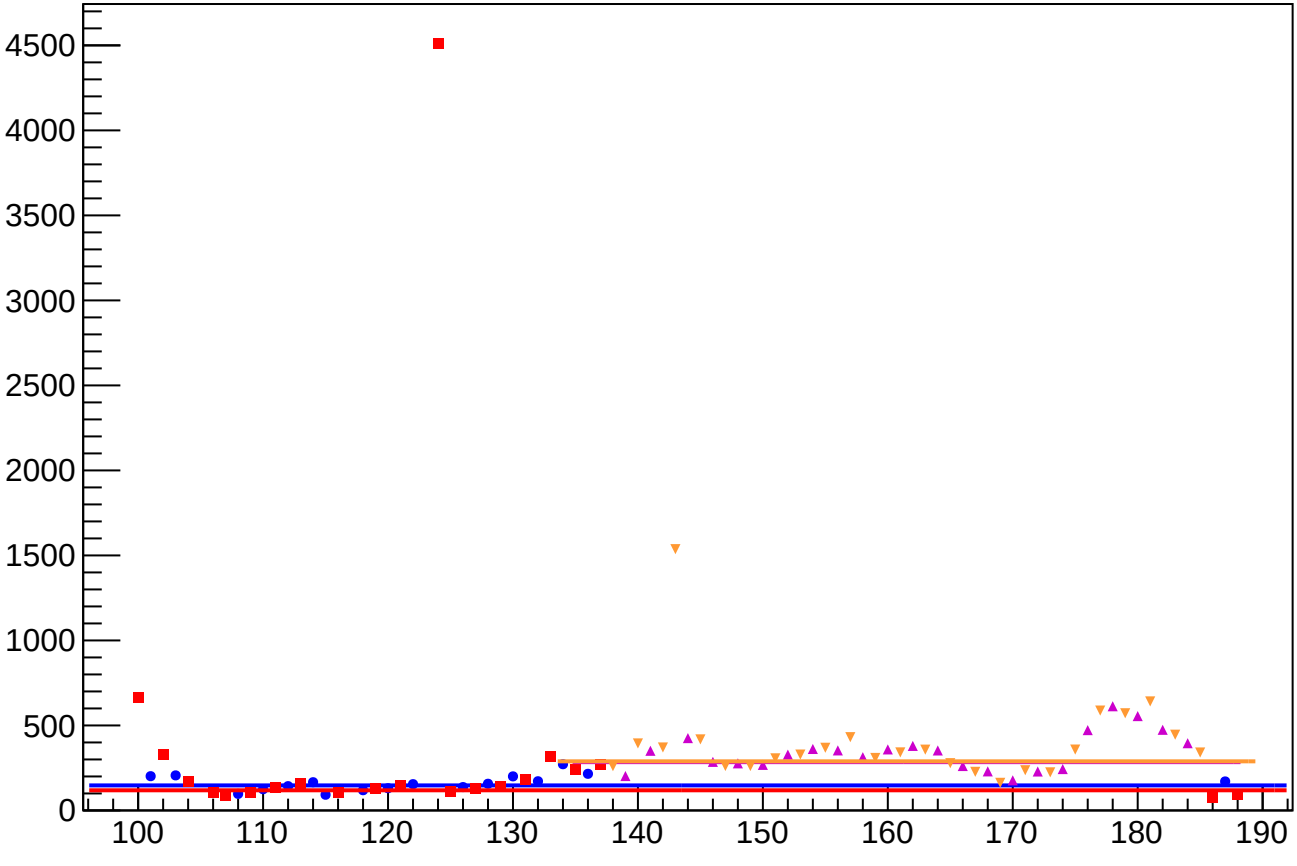
Right: 0.007+/-0.035 χ^2/NDF: 36.7/37

In: 0.045+/-0.044 χ^2/NDF:39.2/39

Out: -0.007+/-0.038 χ^2/NDF:53.7/45

All: 0.015+/-0.029 χ^2/NDF: 93.7/85

asym_at1_avg_at2_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 147.318+/-0.040 χ^2/NDF: 1005643.2/16

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

Right Out: 118.572+/-0.032 χ^2/NDF: 2147574.0/20

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

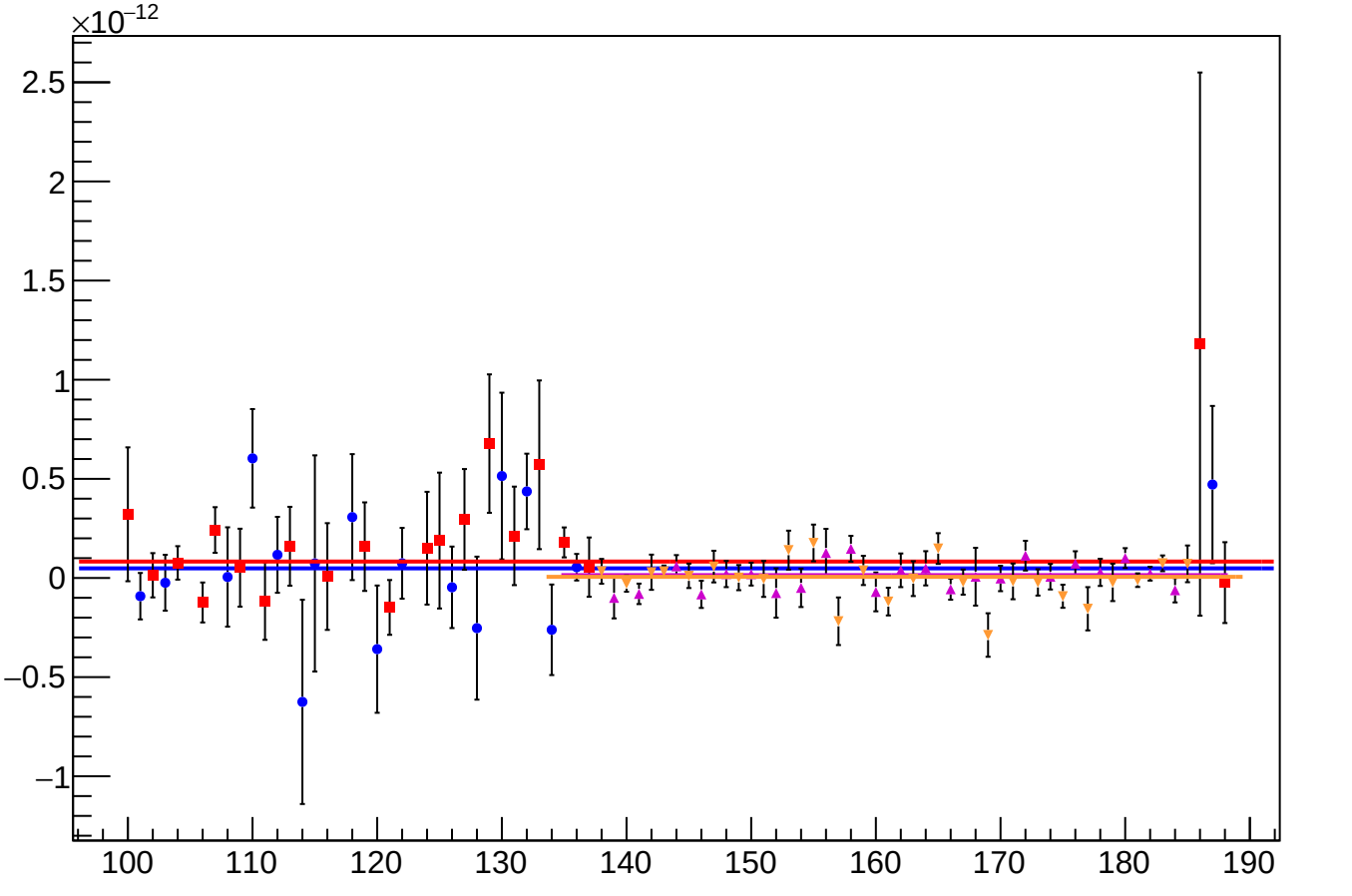
Left: 286.525+/-0.035 χ^2/NDF: 7730531.8/47

Right: 129.535+/-0.025 χ^2/NDF: 3466719.3/37

In: 201.625+/-0.031 χ^2/NDF:8641101.7/39

Out: 167.122+/-0.027 χ^2/NDF:15023568.0/45

All: 181.690+/-0.020 χ^2/NDF: 24364000.7/85



Right In: 0.000+/-0.000 χ^2/NDF: 20.1/16

Left Out: 0.000+/-0.000 χ^2/NDF:34.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 19.1/20

Left In: 0.000+/-0.000 χ^2/NDF:23.2/22

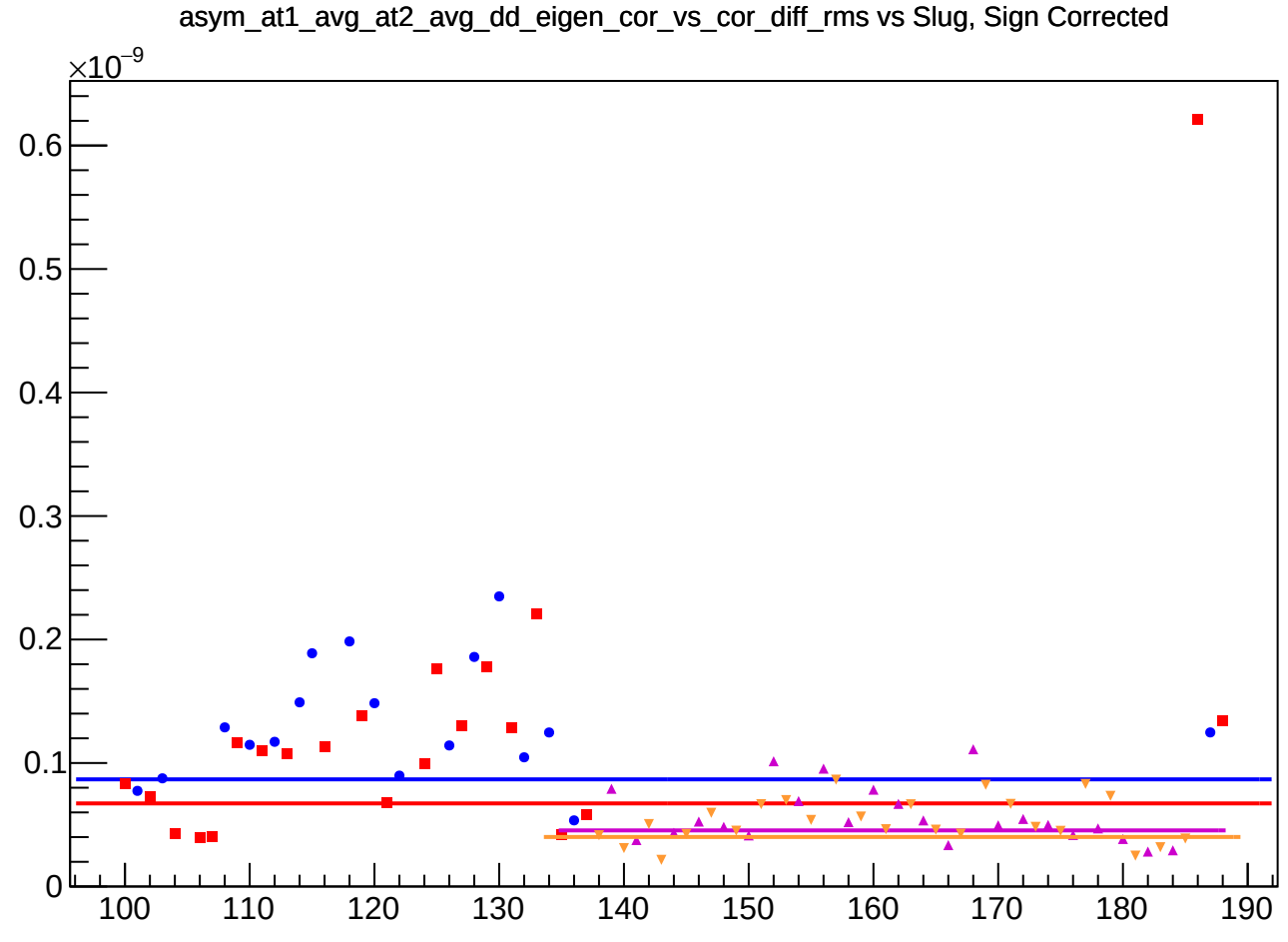
Left: 0.000+/-0.000 χ^2/NDF: 57.6/47

Right: 0.000+/-0.000 χ^2/NDF: 39.6/37

In: 0.000+/-0.000 χ^2/NDF:43.9/39

Out: 0.000+/-0.000 χ^2/NDF:57.9/45

All: 0.000+/-0.000 χ^2/NDF: 101.8/85



Right In: 0.000+/-0.000 χ^2/NDF: 1584239.1/16

Left Out: 0.000+/-0.000 χ^2/NDF:3609934.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2710521.4/20

Left In: 0.000+/-0.000 χ^2/NDF:2780344.5/22

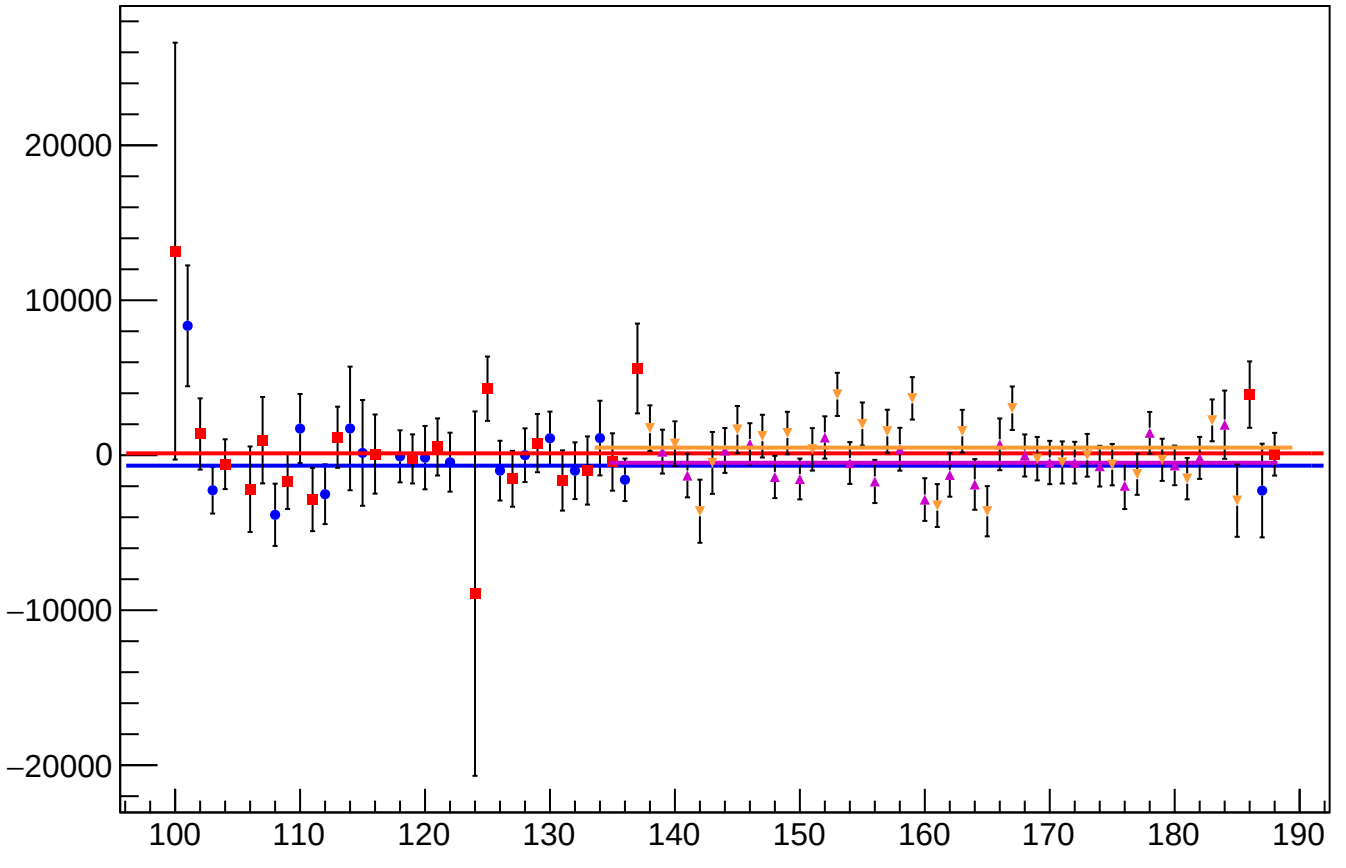
Left: 0.000+/-0.000 χ^2/NDF: 6559252.5/47

Right: 0.000+/-0.000 χ^2/NDF: 4552623.7/37

In: 0.000+/-0.000 χ^2/NDF:6081623.0/39

Out: 0.000+/-0.000 χ^2/NDF:7466241.3/45

All: 0.000+/-0.000 χ^2/NDF: 13787059.0/85



Right In: -673.024+/-482.395 χ^2/NDF: 14.2/16

Left Out: 492.062+/-288.495 χ^2/NDF:46.9/24

Right Out: 121.728+/-449.522 χ^2/NDF: 19.2/20

Left In: -486.821+/-293.769 χ^2/NDF:14.4/22

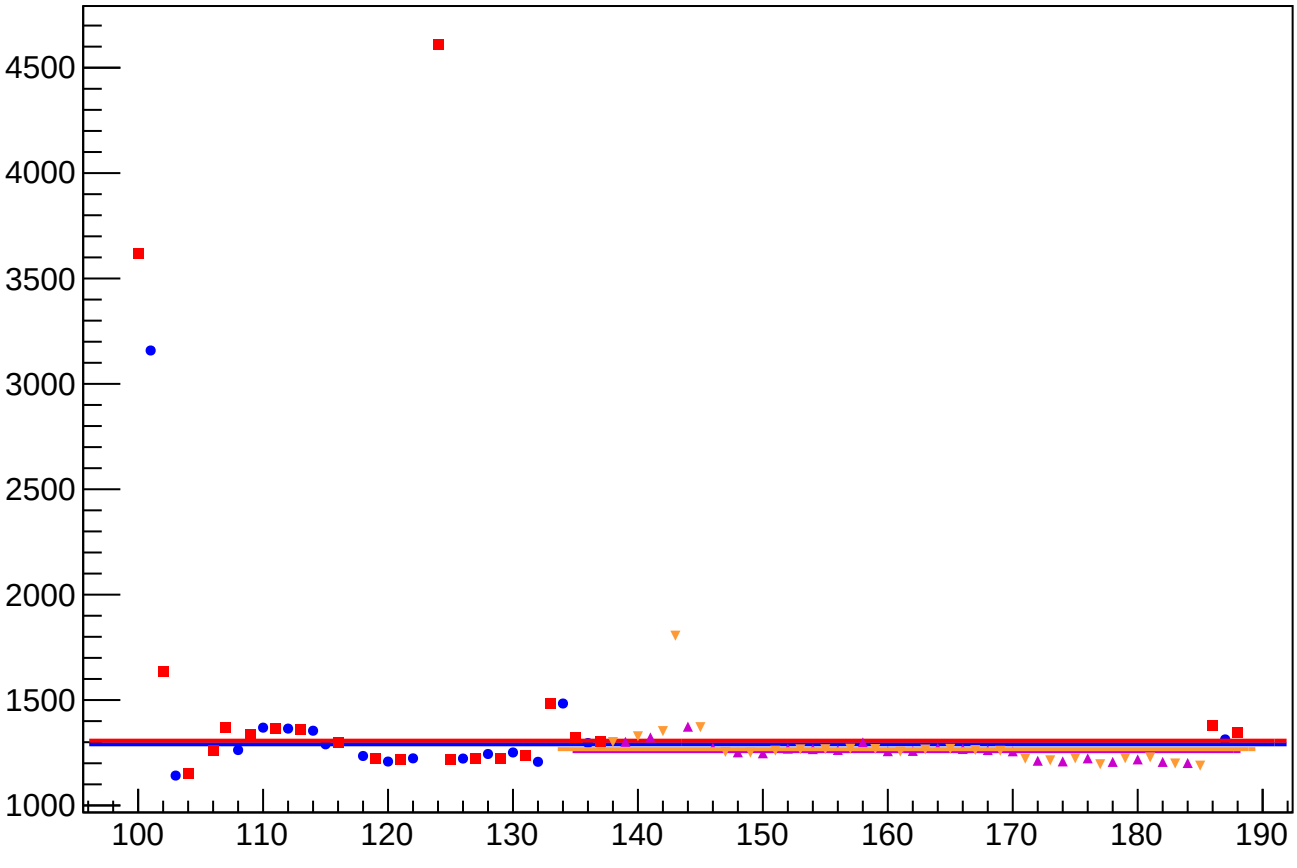
Left: 11.486+/-205.836 χ^2/NDF: 67.0/47

Right: -247.648+/-328.868 χ^2/NDF: 34.8/37

In: -537.195+/-250.905 χ^2/NDF:28.7/39

Out: 384.026+/-242.794 χ^2/NDF:66.5/45

All: -61.454+/-174.479 χ^2/NDF: 102.2/85



Right In: 1290.072+/-0.341 χ^2/NDF: 514795.6/16

Left Out: 1266.967+/-0.204 χ^2/NDF:187545.6/24

Right Out: 1307.259+/-0.317 χ^2/NDF: 323856.3/20

Left In: 1257.551+/-0.208 χ^2/NDF:36816.4/22

Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

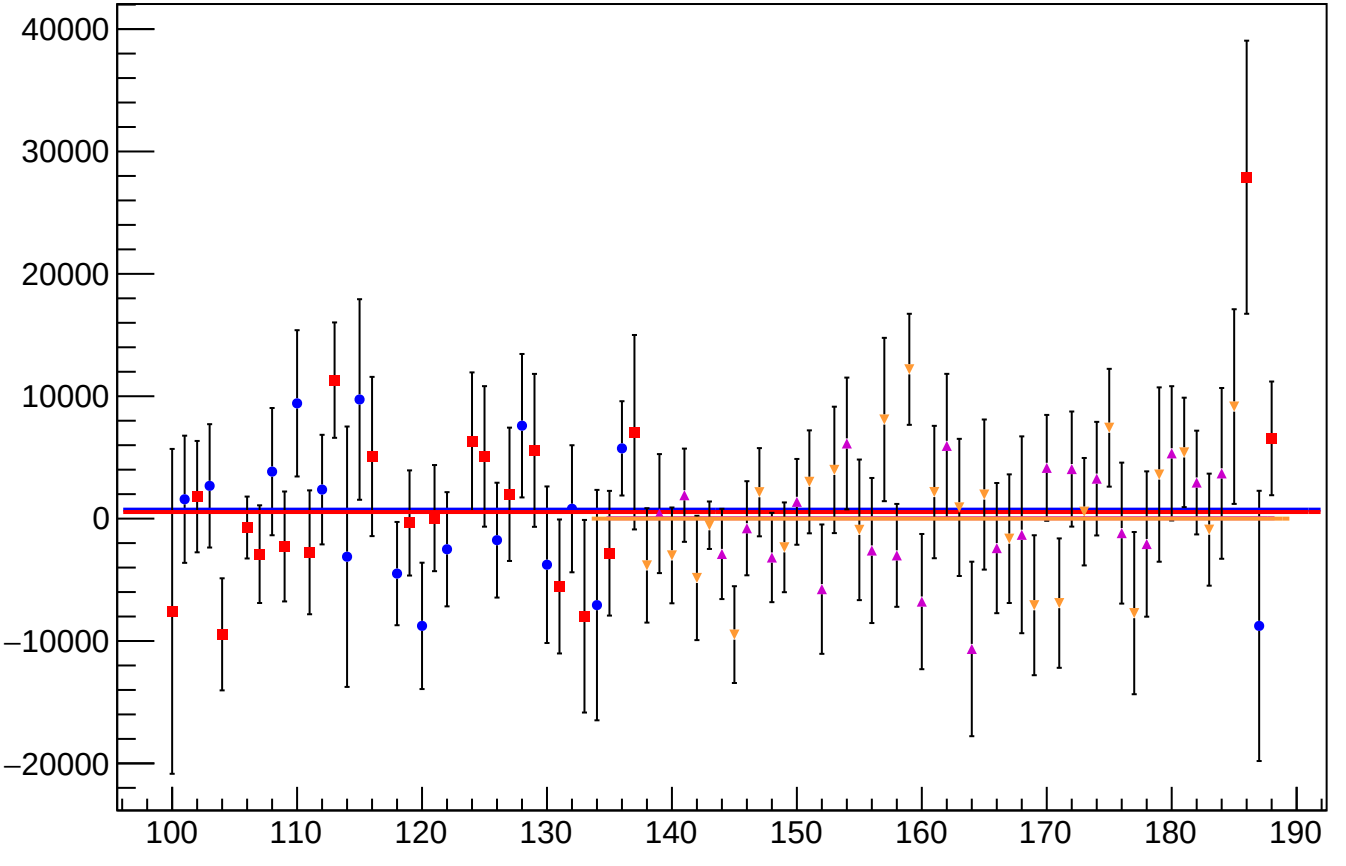
Right: 1299.290+/-0.232 χ^2/NDF: 840013.6/37

In: 1266.349+/-0.177 χ^2/NDF:558242.4/39

Out: 1278.759+/-0.172 χ^2/NDF:522818.3/45

All: 1272.762+/-0.123 χ^2/NDF: 1083588.9/85

asym_atl1r2_dd_atl2r1_dd_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 733.408+/-1315.832 χ^2/NDF: 14.8/16

Left Out: -0.604+/-886.488 χ^2/NDF:29.1/24

Right Out: 538.329+/-1075.559 χ^2/NDF: 26.4/20

Left In: 31.593+/-995.348 χ^2/NDF:14.0/22

Left: 13.638+/-661.996 χ^2/NDF: 43.1/47

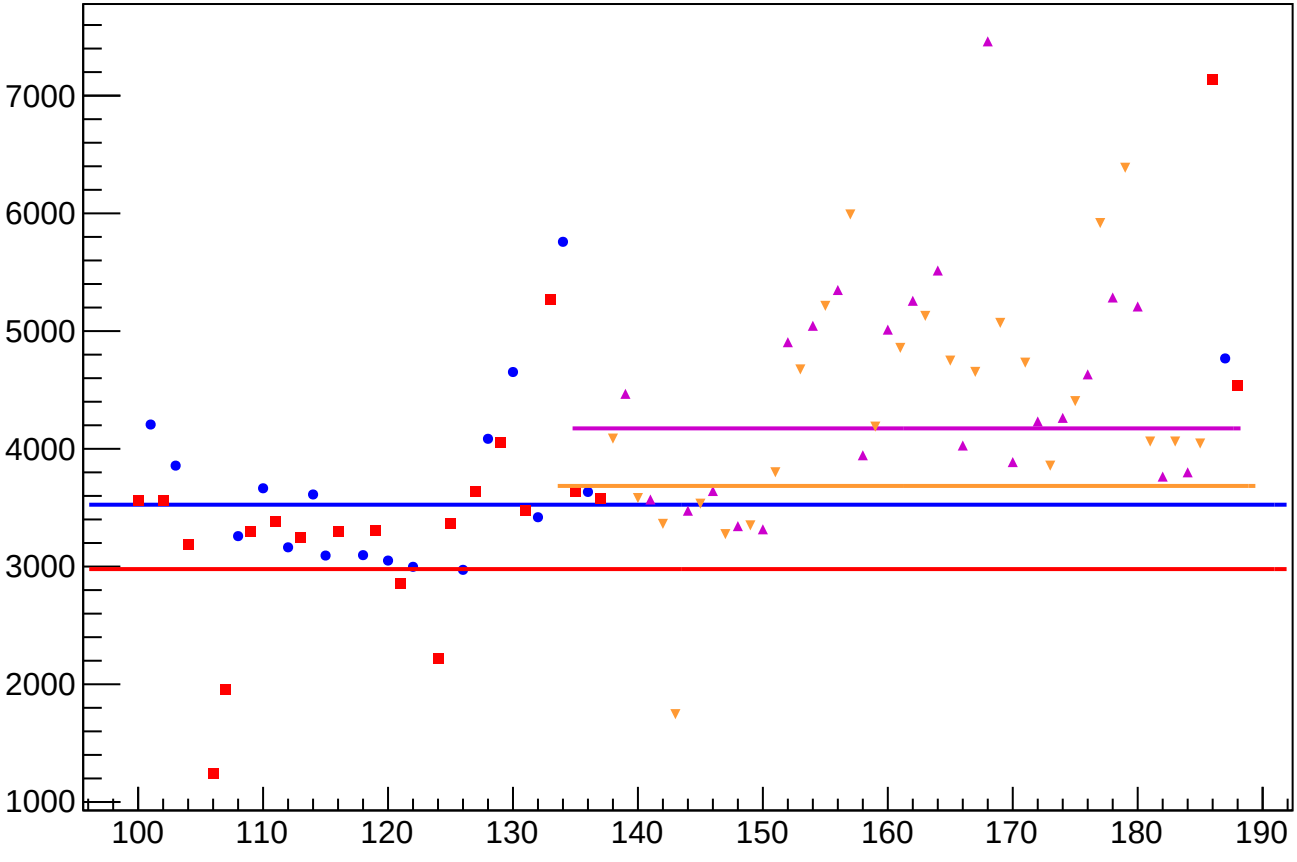
Right: 616.464+/-832.756 χ^2/NDF: 41.2/37

In: 287.018+/-793.818 χ^2/NDF:29.0/39

Out: 217.406+/-684.078 χ^2/NDF:55.6/45

All: 247.071+/-518.207 χ^2/NDF: 84.6/85

asym_atl1r2_dd_atl2r1_dd_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 3525.301+/-0.930 χ^2/NDF: 379677.5/16

Left Out: 3684.769+/-0.627 χ^2/NDF:3693646.6/24

Right Out: 2978.438+/-0.761 χ^2/NDF: 2031137.2/20

Left In: 4173.556+/-0.704 χ^2/NDF:1274968.4/22

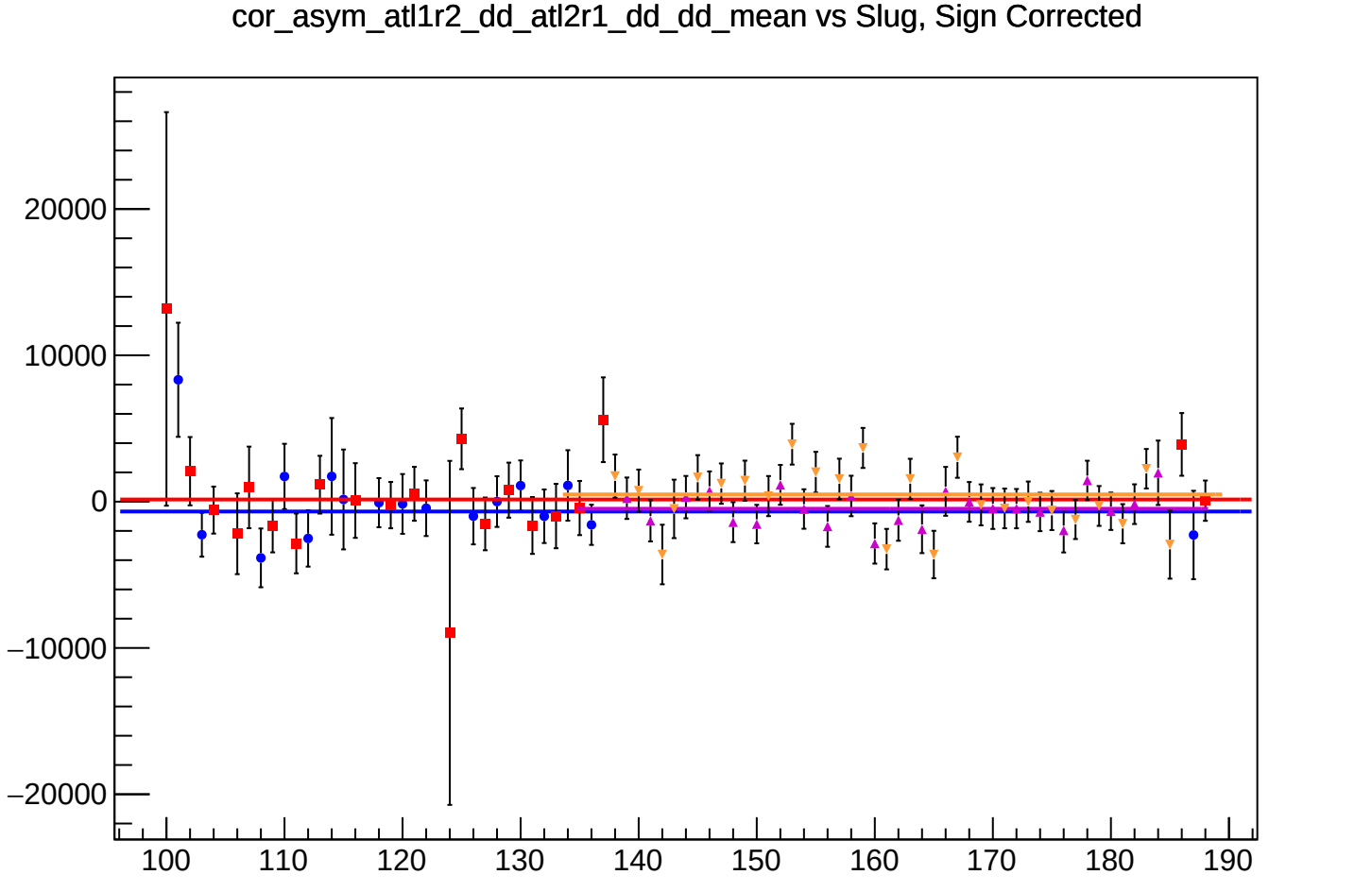
Left: 3900.981+/-0.468 χ^2/NDF: 5237573.9/47

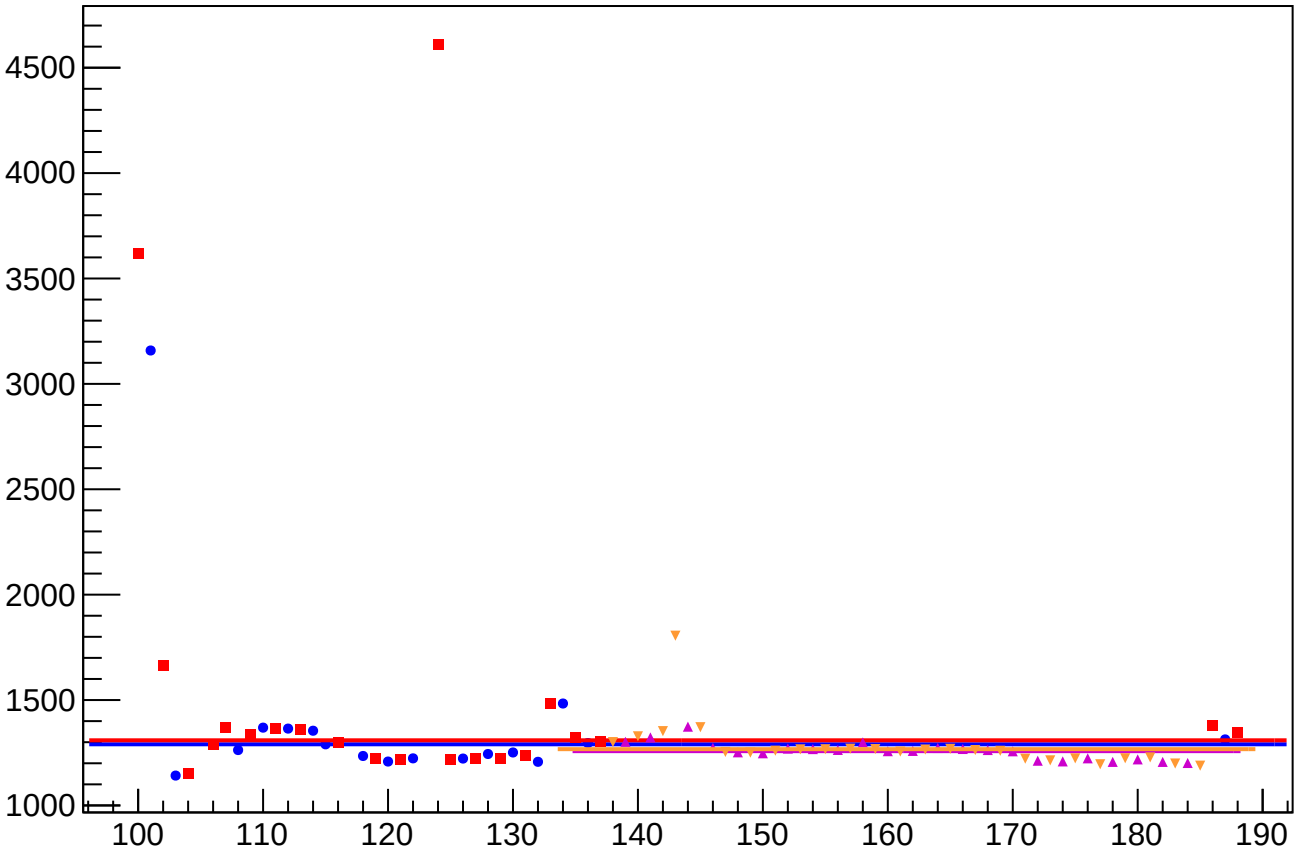
Right: 3197.473+/-0.589 χ^2/NDF: 2617902.3/37

In: 3937.624+/-0.561 χ^2/NDF:1963400.0/39

Out: 3399.042+/-0.484 χ^2/NDF:6238405.2/45

All: 3628.560+/-0.366 χ^2/NDF: 8730114.9/85


cor_asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug, Sign Corrected
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
170
180
190
Right In: -673.402+/-482.395 χ²/NDF: 14.2/16
Left Out: 492.079+/-288.495 χ²/NDF:46.9/24
Right Out: 146.579+/-449.775 χ²/NDF: 19.6/20
Left In: -486.720+/-293.769 χ²/NDF:14.4/22
Left: 11.544+/-205.836 χ²/NDF: 67.0/47
Right: -234.752+/-328.967 χ²/NDF: 35.3/37
In: -537.223+/-250.905 χ²/NDF:28.7/39
Out: 391.368+/-242.834 χ²/NDF:66.9/45
All: -57.752+/-174.493 χ²/NDF: 102.7/85



Right In: 1290.072+/-0.341 χ^2/NDF: 514797.0/16

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

Right Out: 1309.004+/-0.318 χ^2/NDF: 330097.7/20

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

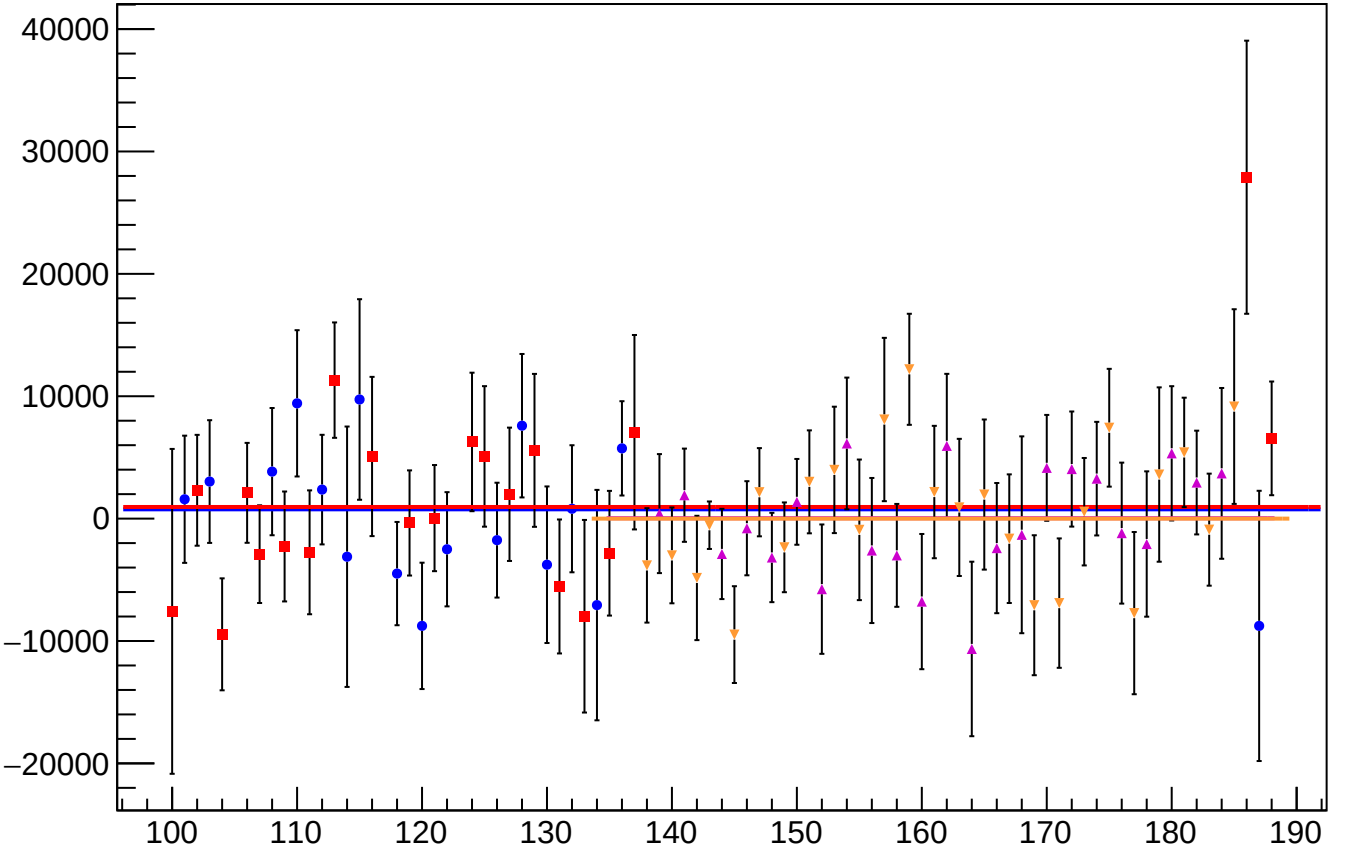
Right: 1300.214+/-0.232 χ^2/NDF: 846545.0/37

In: 1266.349+/-0.177 χ^2/NDF:558243.8/39

Out: 1279.248+/-0.172 χ^2/NDF:530048.2/45

All: 1273.012+/-0.123 χ^2/NDF: 1091022.6/85

asym_atl1r2_dd_atl2r1_dd_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: 758.865+/-1315.387 χ^2/NDF: 14.8/16

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

Right Out: 950.718+/-1140.555 χ^2/NDF: 26.2/20

Left In: 31.597+/-995.347 χ^2/NDF:14.0/22

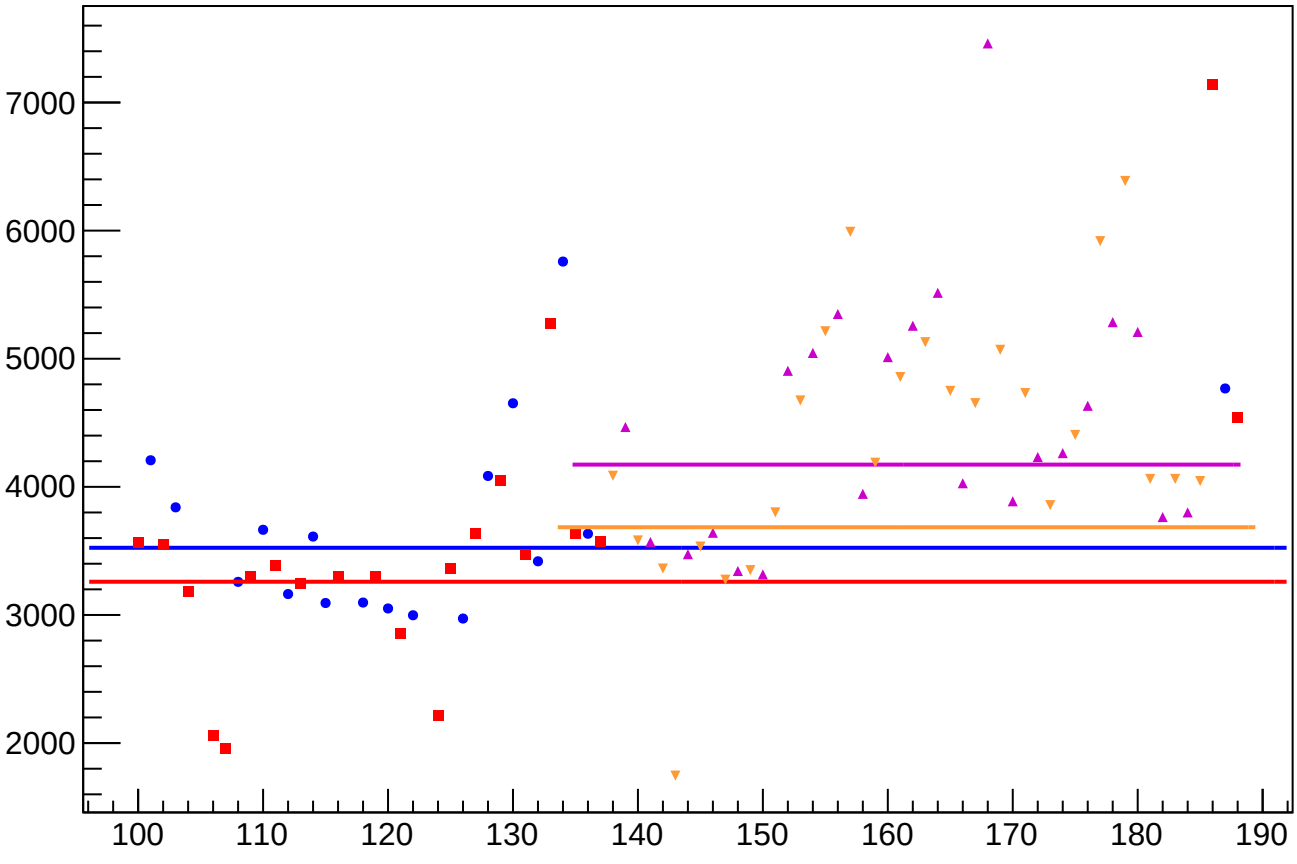
Left: 13.675+/-661.996 χ^2/NDF: 43.1/47

Right: 868.380+/-861.726 χ^2/NDF: 41.1/37

In: 296.399+/-793.719 χ^2/NDF:29.1/39

Out: 357.702+/-699.932 χ^2/NDF:55.7/45

All: 330.885+/-524.970 χ^2/NDF: 84.8/85



Right In: 3524.389+/-0.930 χ^2/NDF: 378974.6/16

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

Right Out: 3259.310+/-0.806 χ^2/NDF: 1066399.1/20

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

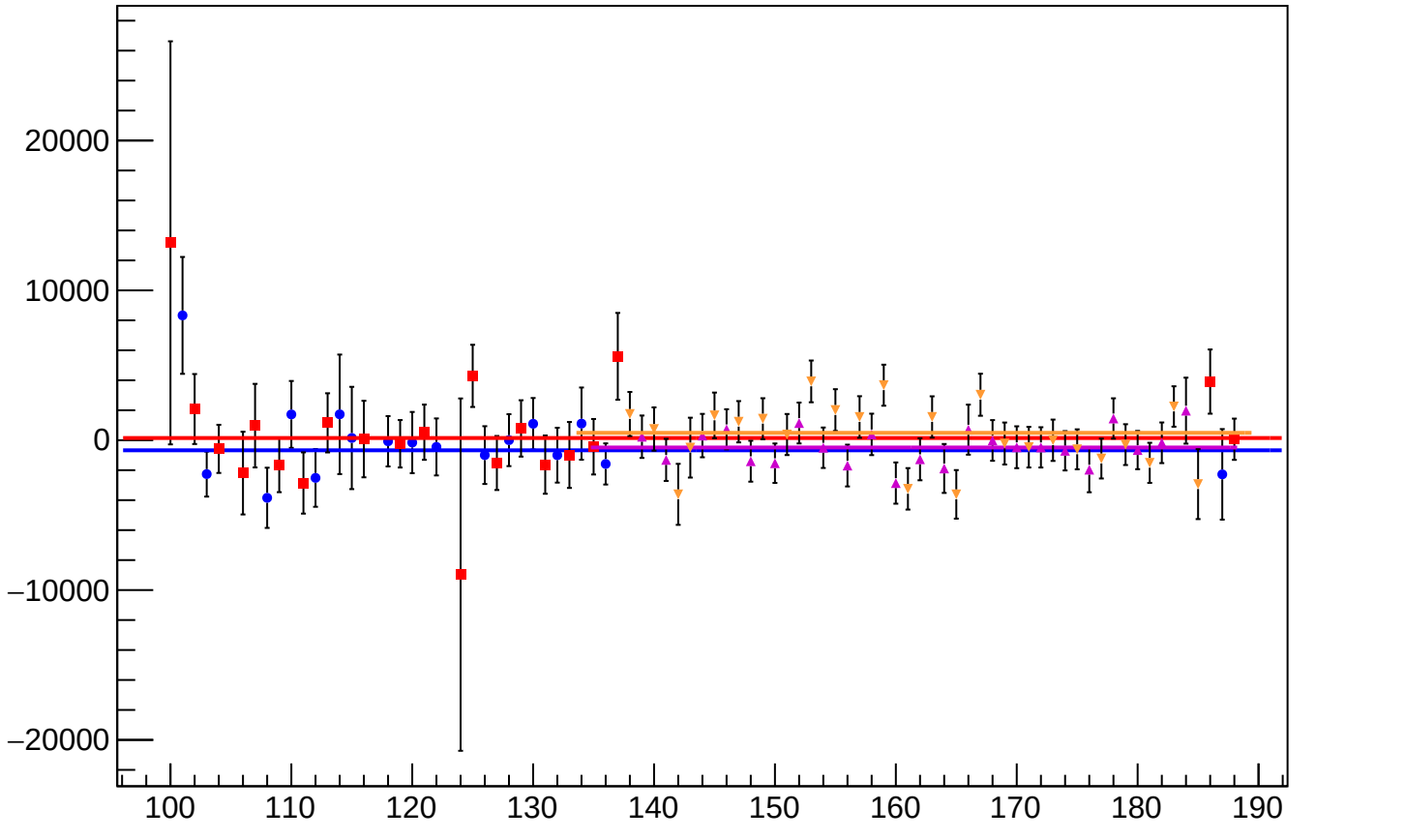
Left: 3900.975+/-0.468 χ^2/NDF: 5237615.0/47

Right: 3373.074+/-0.609 χ^2/NDF: 1491737.7/37

In: 3937.187+/-0.561 χ^2/NDF:1963693.1/39

Out: 3524.537+/-0.495 χ^2/NDF:4933573.1/45

All: 3705.053+/-0.371 χ^2/NDF: 7201366.5/85



Right In: -673.402+/-482.395 χ^2/NDF: 14.2/16

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: 146.579+/-449.775 χ^2/NDF: 19.6/20

Left In: -486.720+/-293.769 χ^2/NDF:14.4/22

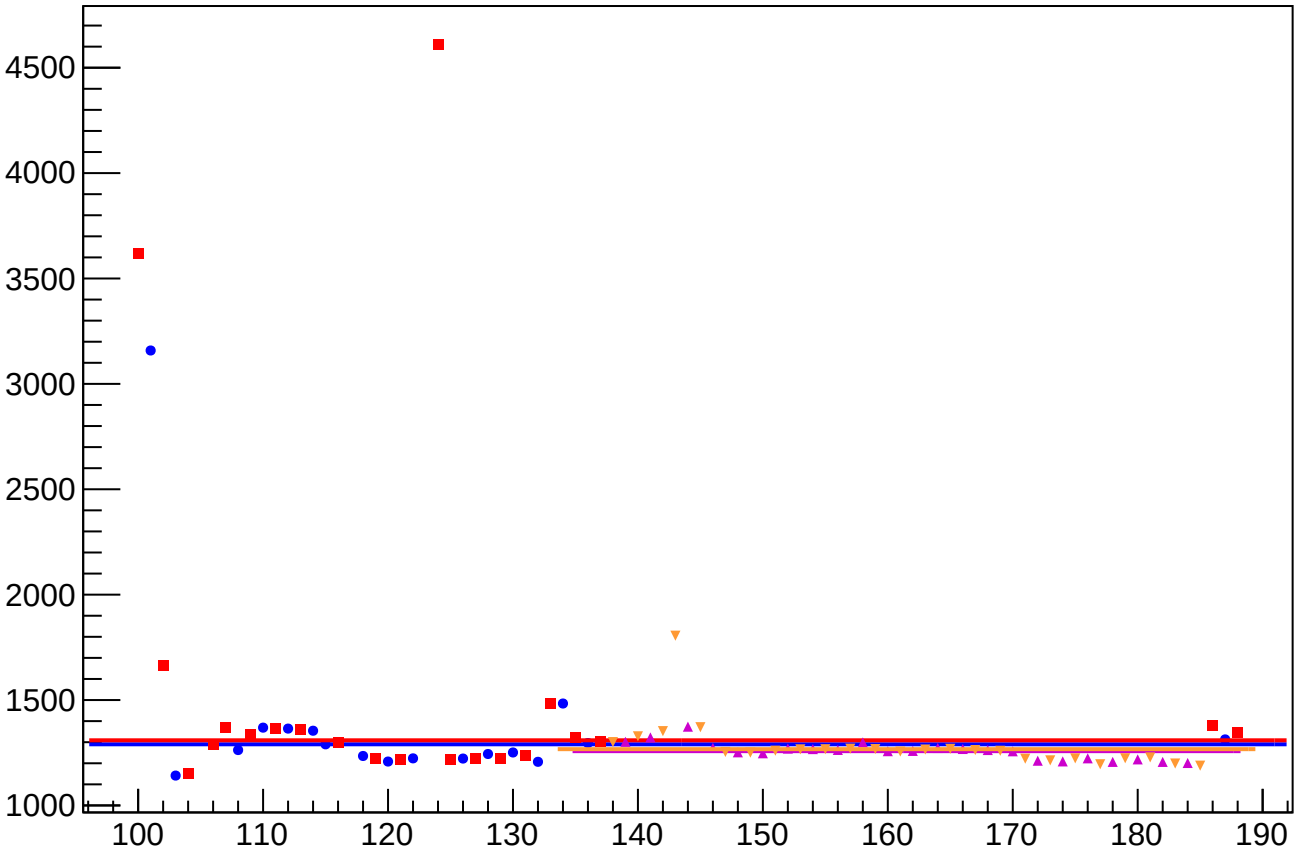
Left: 11.544+/-205.836 χ^2/NDF: 67.0/47

Right: -234.752+/-328.967 χ^2/NDF: 35.3/37

In: -537.223+/-250.905 χ^2/NDF:28.7/39

Out: 391.368+/-242.834 χ^2/NDF:66.9/45

All: -57.752+/-174.493 χ^2/NDF: 102.7/85



Right In: 1290.072+/-0.341 χ^2/NDF: 514797.0/16

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

Right Out: 1309.004+/-0.318 χ^2/NDF: 330097.7/20

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

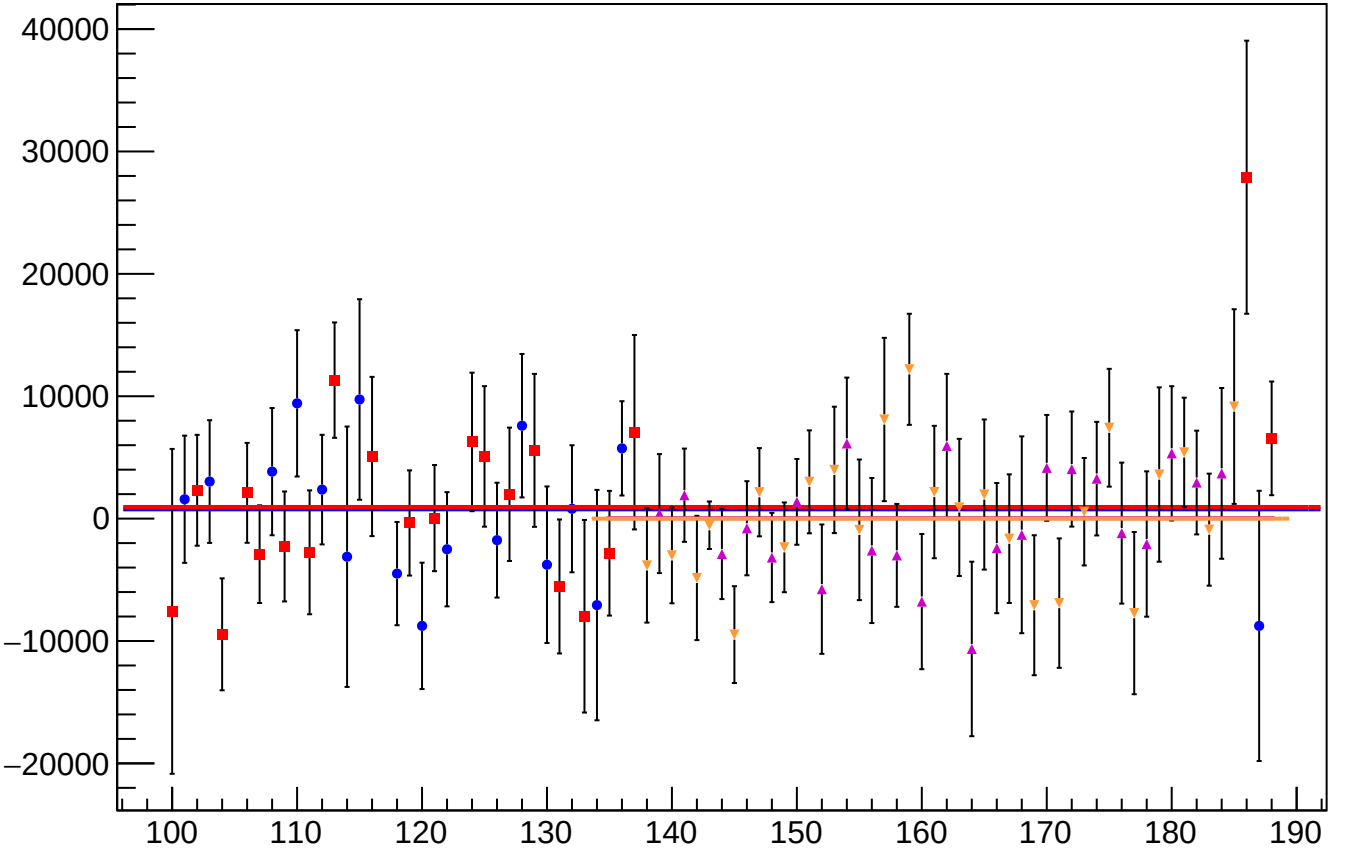
Right: 1300.214+/-0.232 χ^2/NDF: 846545.0/37

In: 1266.349+/-0.177 χ^2/NDF:558243.8/39

Out: 1279.248+/-0.172 χ^2/NDF:530048.2/45

All: 1273.012+/-0.123 χ^2/NDF: 1091022.6/85

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 758.865+/-1315.387 χ^2/NDF: 14.8/16

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

Right Out: 950.718+/-1140.555 χ^2/NDF: 26.2/20

Left In: 31.597+/-995.347 χ^2/NDF:14.0/22

Left: 13.675+/-661.996 χ^2/NDF: 43.1/47

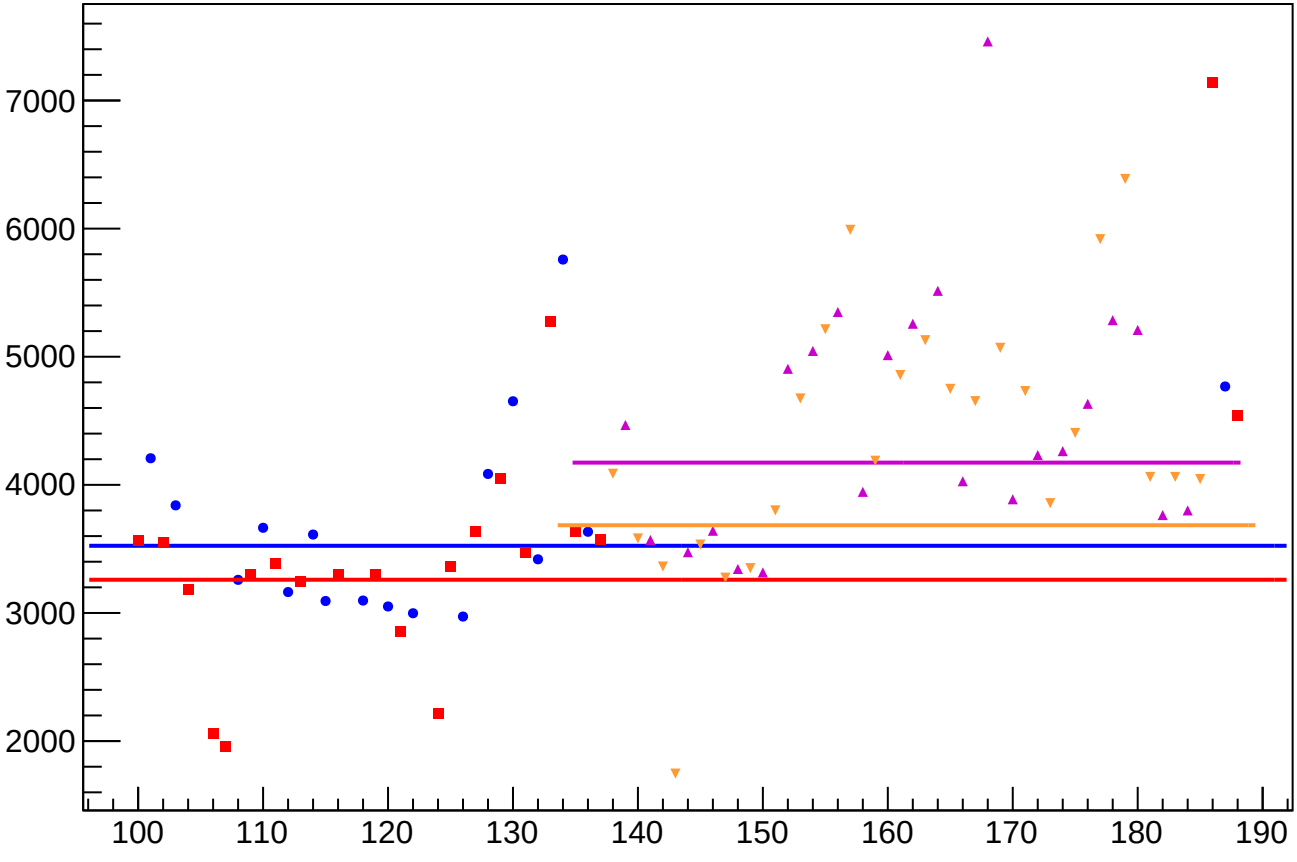
Right: 868.380+/-861.726 χ^2/NDF: 41.1/37

In: 296.399+/-793.719 χ^2/NDF:29.1/39

Out: 357.702+/-699.932 χ^2/NDF:55.7/45

All: 330.885+/-524.970 χ^2/NDF: 84.8/85

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 3524.389+/-0.930 χ^2/NDF: 378974.6/16

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

Right Out: 3259.310+/-0.806 χ^2/NDF: 1066399.1/20

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

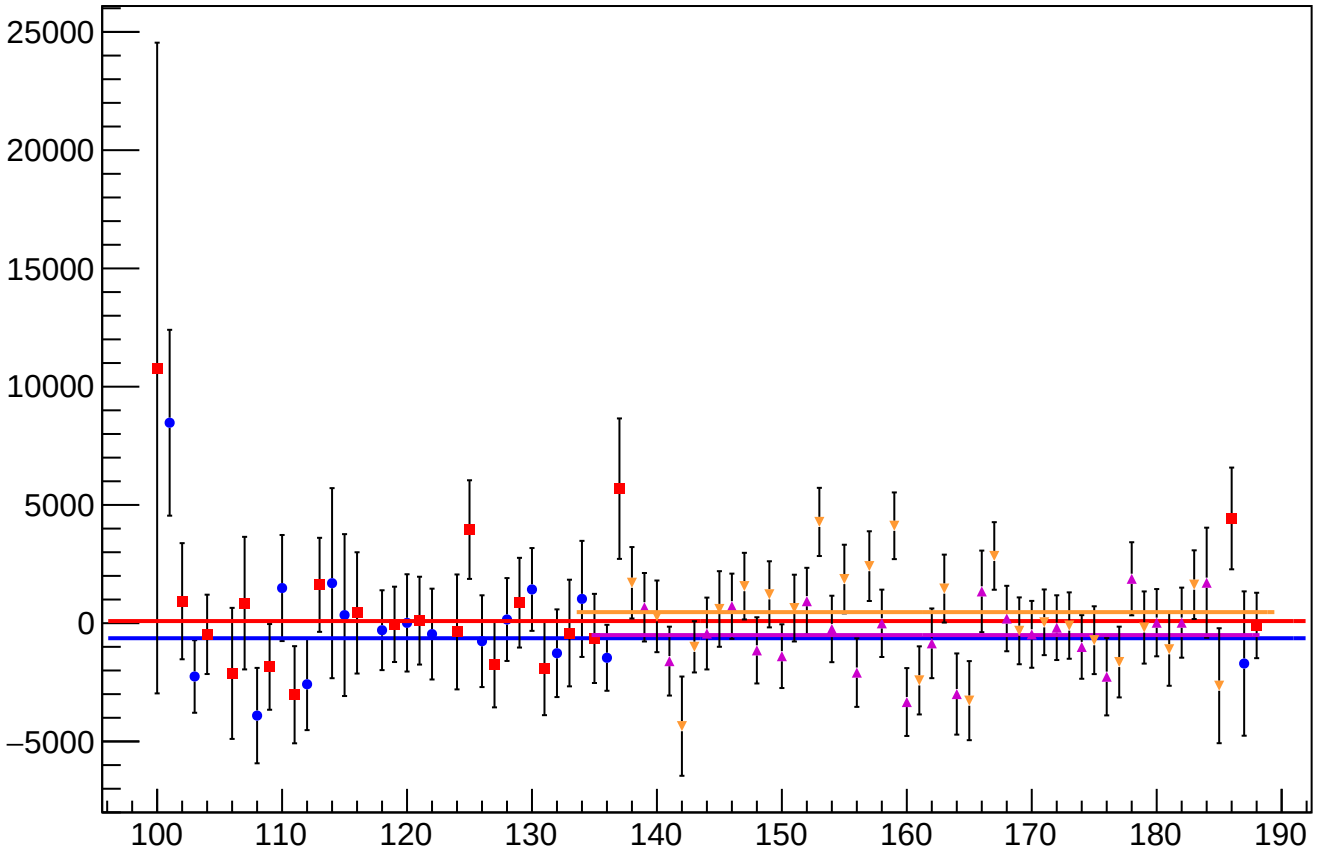
Left: 3900.975+/-0.468 χ^2/NDF: 5237615.0/47

Right: 3373.074+/-0.609 χ^2/NDF: 1491737.7/37

In: 3937.187+/-0.561 χ^2/NDF:1963693.1/39

Out: 3524.537+/-0.495 χ^2/NDF:4933573.1/45

All: 3705.053+/-0.371 χ^2/NDF: 7201366.5/85



Right In: -635.897+/-487.827 χ^2/NDF: 14.2/16

Left Out: 467.929+/-294.257 χ^2/NDF:44.1/24

Right Out: 89.620+/-448.080 χ^2/NDF: 19.1/20

Left In: -503.558+/-307.055 χ^2/NDF:17.4/22

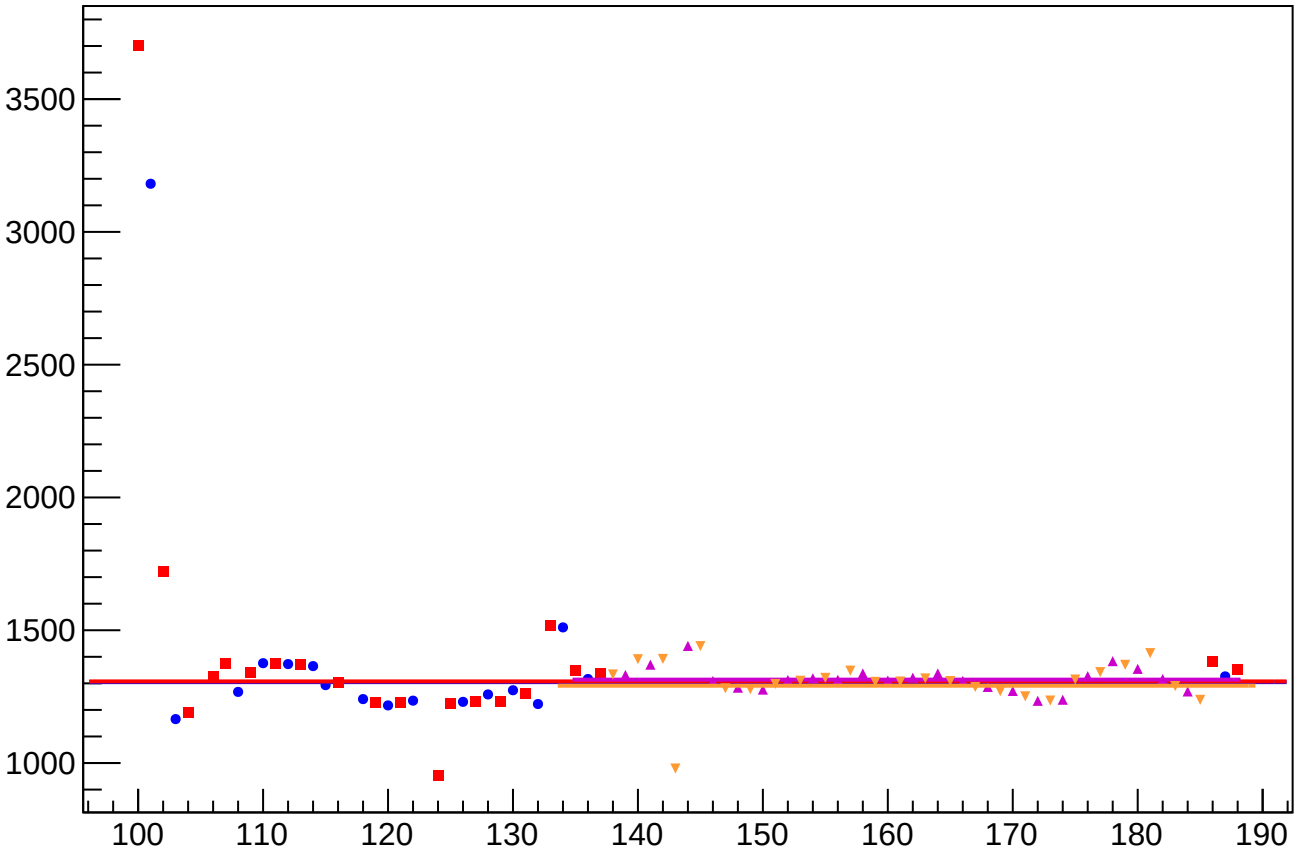
Left: 2.853+/-212.452 χ^2/NDF: 66.7/47

Right: -242.382+/-329.999 χ^2/NDF: 34.6/37

In: -541.111+/-259.863 χ^2/NDF:31.7/39

Out: 353.938+/-245.961 χ^2/NDF:63.7/45

All: -69.006+/-178.633 χ^2/NDF: 101.7/85



Right In: 1304.668+/-0.345 χ^2/NDF: 510692.0/16

Left Out: 1291.211+/-0.208 χ^2/NDF:230735.1/24

Right Out: 1307.323+/-0.317 χ^2/NDF: 218583.3/20

Left In: 1314.006+/-0.217 χ^2/NDF:43044.7/22

Left: 1302.123+/-0.150 χ^2/NDF: 279525.5/47

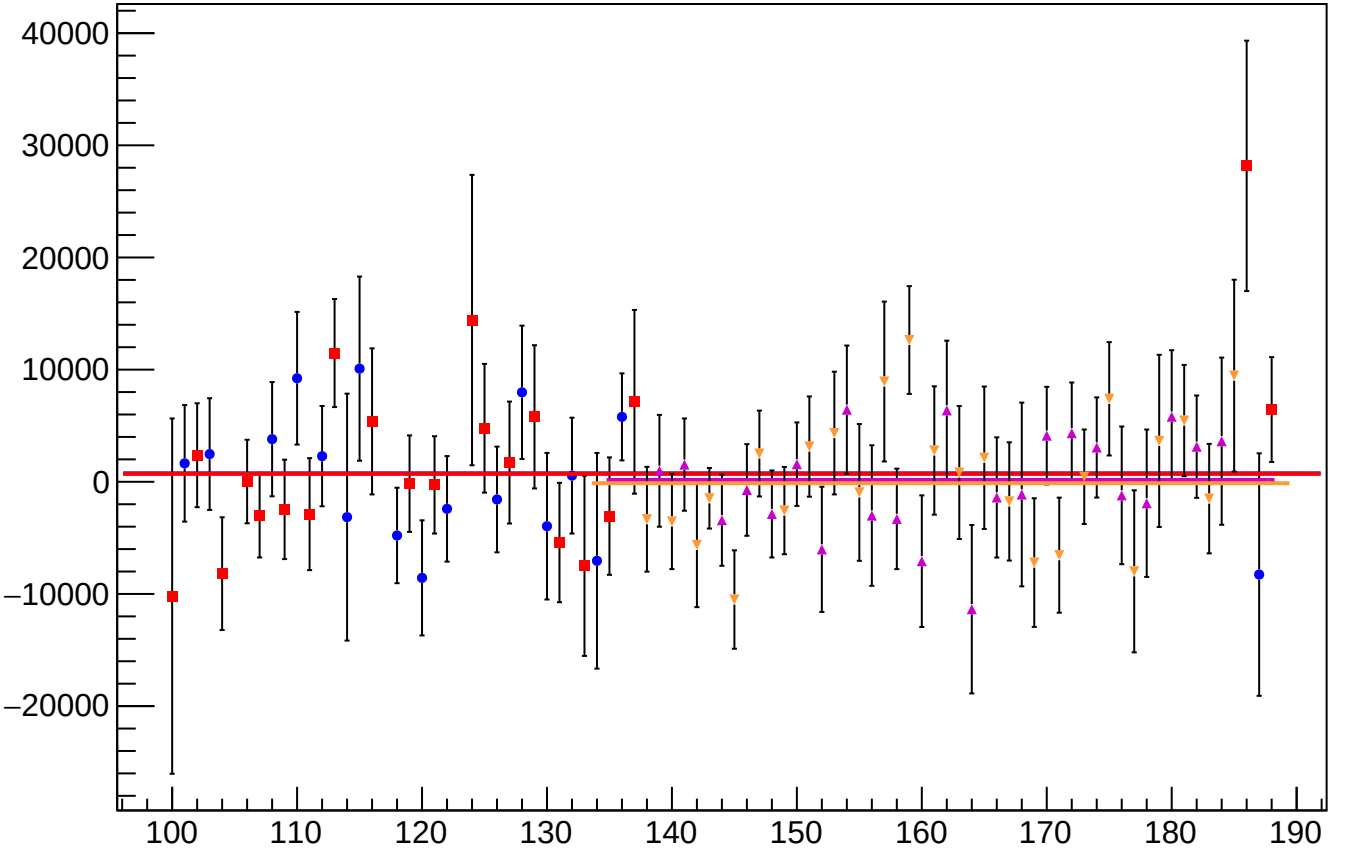
Right: 1306.109+/-0.233 χ^2/NDF: 729307.5/37

In: 1311.356+/-0.184 χ^2/NDF:554261.6/39

Out: 1296.070+/-0.174 χ^2/NDF:451127.0/45

All: 1303.292+/-0.126 χ^2/NDF: 1009039.5/85

asym_atl1r2_dd_atl2r1_dd_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 748.094+/-1317.505 χ^2/NDF: 14.8/16

Left Out: -127.273+/-977.231 χ^2/NDF:28.6/24

Right Out: 715.172+/-1156.094 χ^2/NDF: 24.7/20

Left In: 159.452+/-1045.510 χ^2/NDF:13.8/22

Left: 6.422+/-713.925 χ^2/NDF: 42.4/47

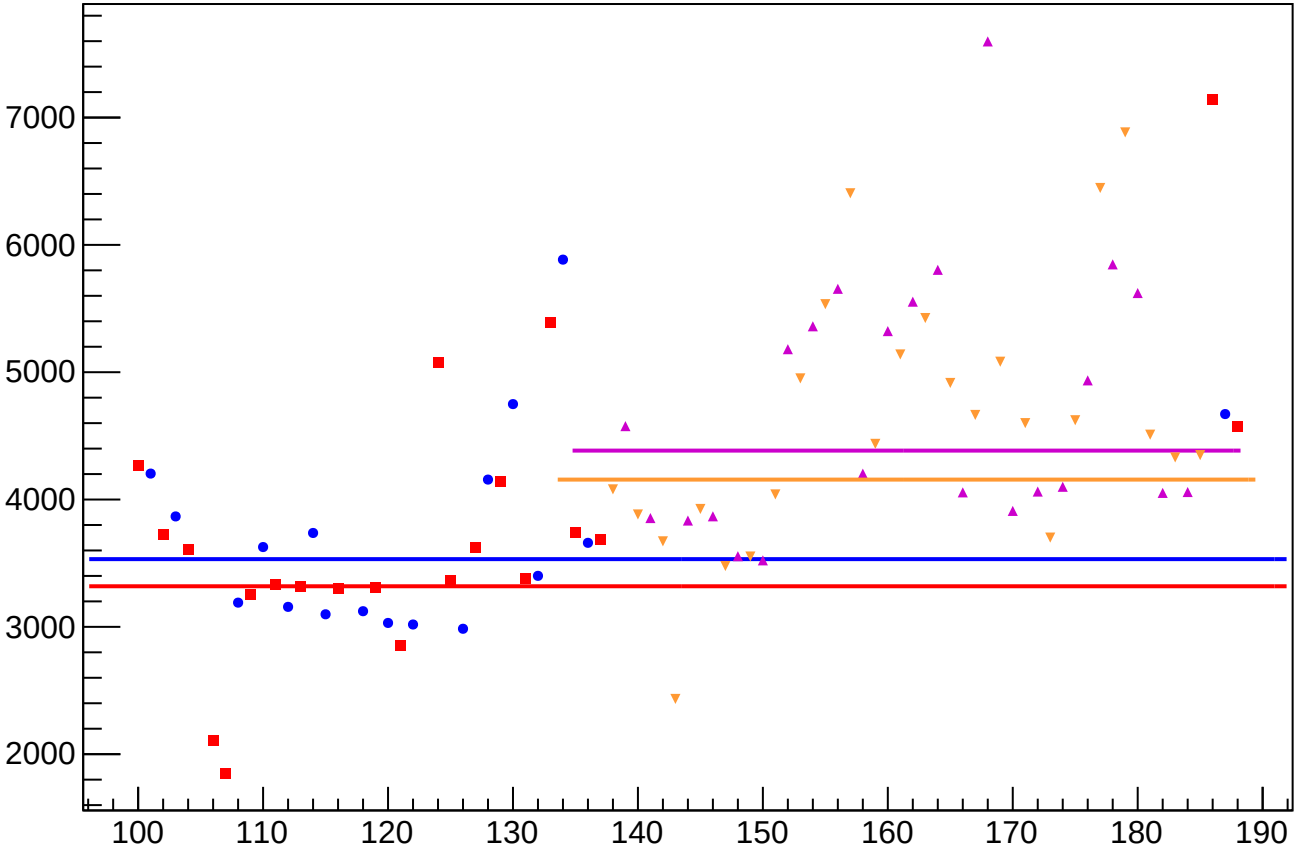
Right: 729.494+/-868.977 χ^2/NDF: 39.5/37

In: 386.904+/-818.975 χ^2/NDF:28.7/39

Out: 223.810+/-746.324 χ^2/NDF:53.6/45

All: 297.803+/-551.631 χ^2/NDF: 82.3/85

asym_atl1r2_dd_atl2r1_dd_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 3531.921+/-0.932 χ^2/NDF: 397625.9/16

Left Out: 4156.582+/-0.691 χ^2/NDF:2080766.1/24

Right Out: 3318.797+/-0.817 χ^2/NDF: 1172344.7/20

Left In: 4384.323+/-0.739 χ^2/NDF:1255470.8/22

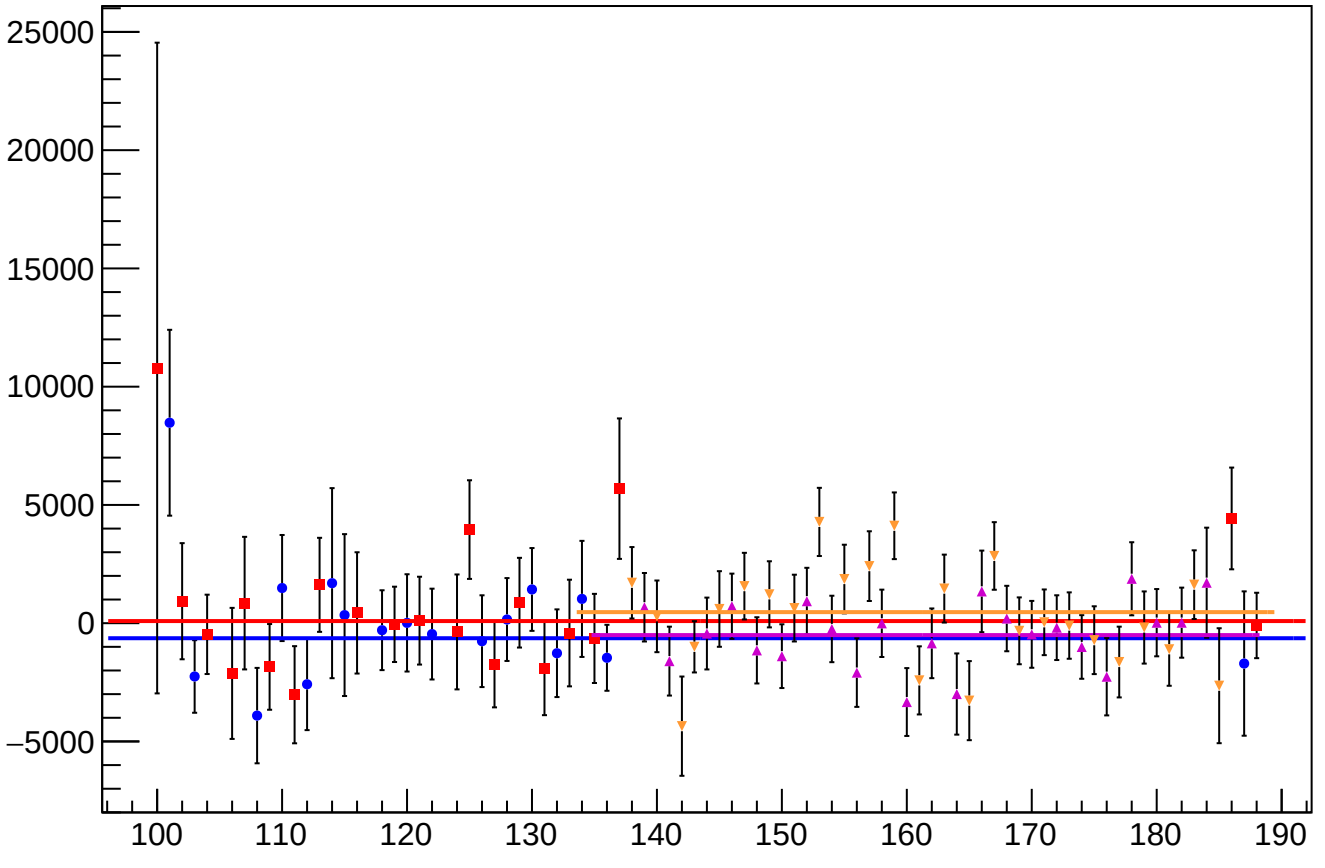
Left: 4262.773+/-0.505 χ^2/NDF: 3386885.6/47

Right: 3411.511+/-0.614 χ^2/NDF: 1599538.5/37

In: 4054.955+/-0.579 χ^2/NDF:2166784.2/39

Out: 3807.441+/-0.528 χ^2/NDF:3865698.8/45

All: 3919.735+/-0.390 χ^2/NDF: 6132282.9/85



Right In: -635.901+/-487.827 χ^2/NDF: 14.2/16

Left Out: 467.933+/-294.257 χ^2/NDF:44.1/24

Right Out: 89.613+/-448.080 χ^2/NDF: 19.1/20

Left In: -503.558+/-307.056 χ^2/NDF:17.4/22

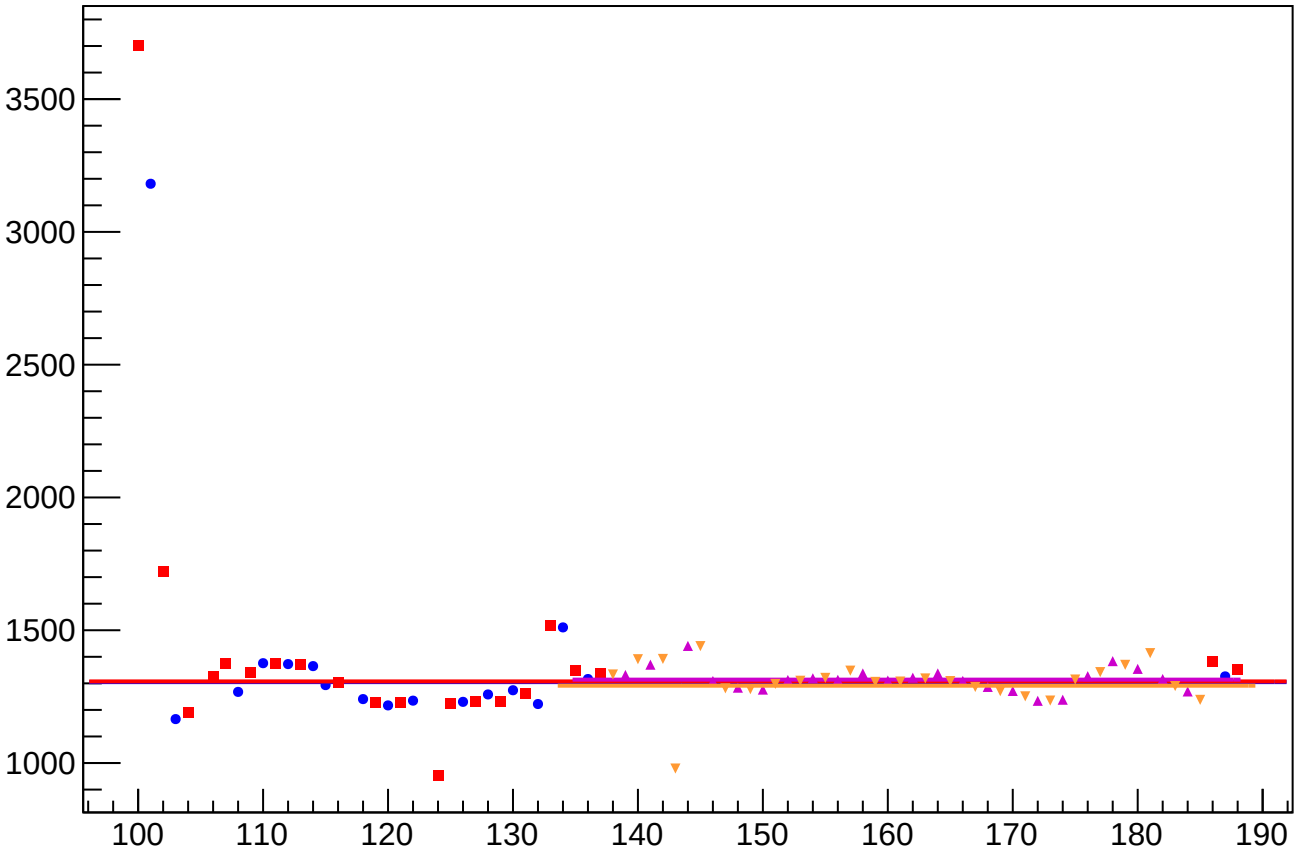
Left: 2.855+/-212.452 χ^2/NDF: 66.7/47

Right: -242.388+/-329.999 χ^2/NDF: 34.6/37

In: -541.113+/-259.863 χ^2/NDF:31.7/39

Out: 353.939+/-245.962 χ^2/NDF:63.7/45

All: -69.007+/-178.634 χ^2/NDF: 101.7/85



Right In: 1304.668+/-0.345 χ^2/NDF: 510692.2/16

Left Out: 1291.212+/-0.208 χ^2/NDF:230737.6/24

Right Out: 1307.323+/-0.317 χ^2/NDF: 218583.4/20

Left In: 1314.007+/-0.217 χ^2/NDF:43046.8/22

Left: 1302.125+/-0.150 χ^2/NDF: 279530.2/47

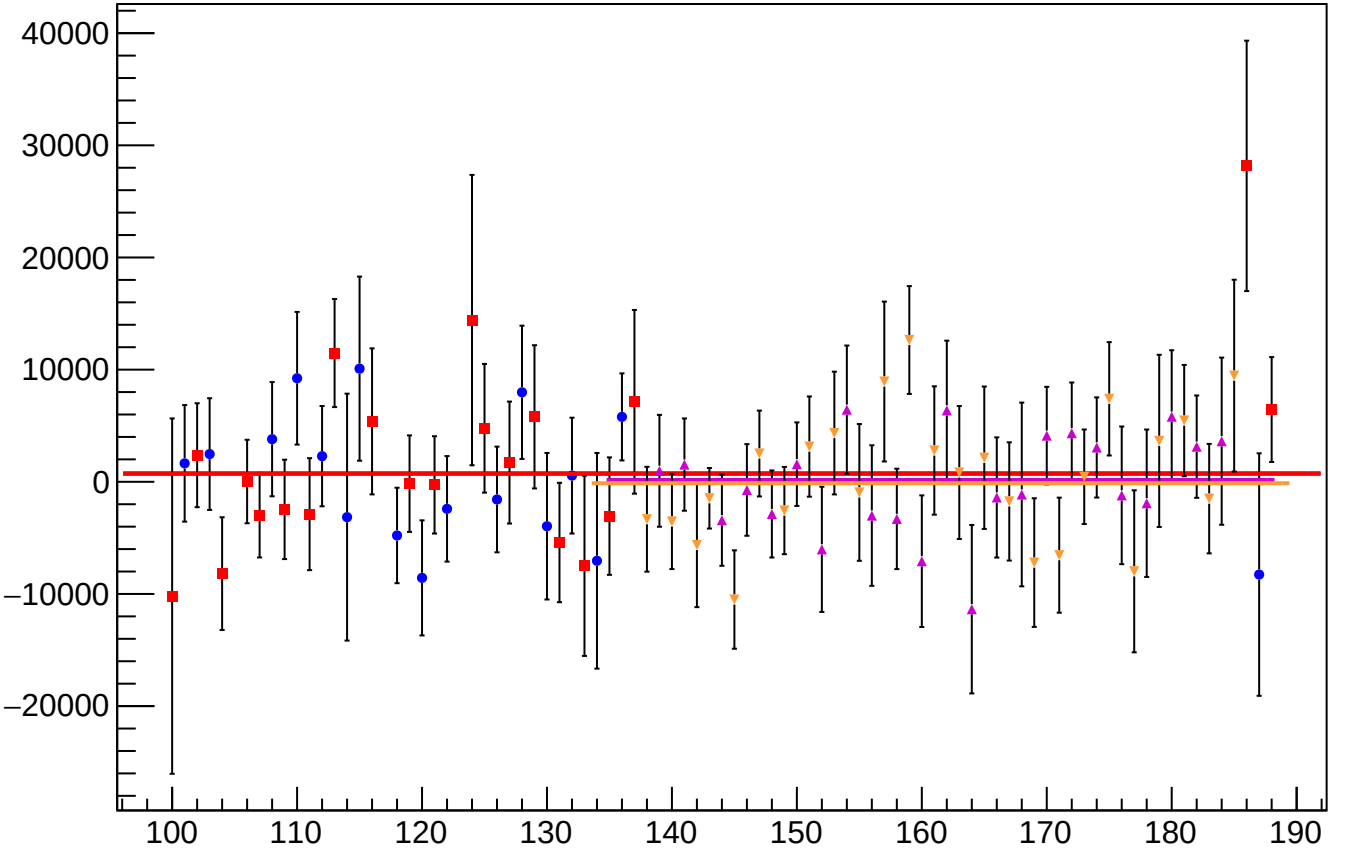
Right: 1306.109+/-0.233 χ^2/NDF: 729307.7/37

In: 1311.357+/-0.184 χ^2/NDF:554264.0/39

Out: 1296.071+/-0.174 χ^2/NDF:451129.2/45

All: 1303.293+/-0.126 χ^2/NDF: 1009044.2/85

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 748.085+/-1317.502 χ^2/NDF: 14.8/16

Left Out: -127.271+/-977.232 χ^2/NDF:28.6/24

Right Out: 715.165+/-1156.092 χ^2/NDF: 24.7/20

Left In: 159.454+/-1045.511 χ^2/NDF:13.8/22

Left: 6.424+/-713.926 χ^2/NDF: 42.4/47

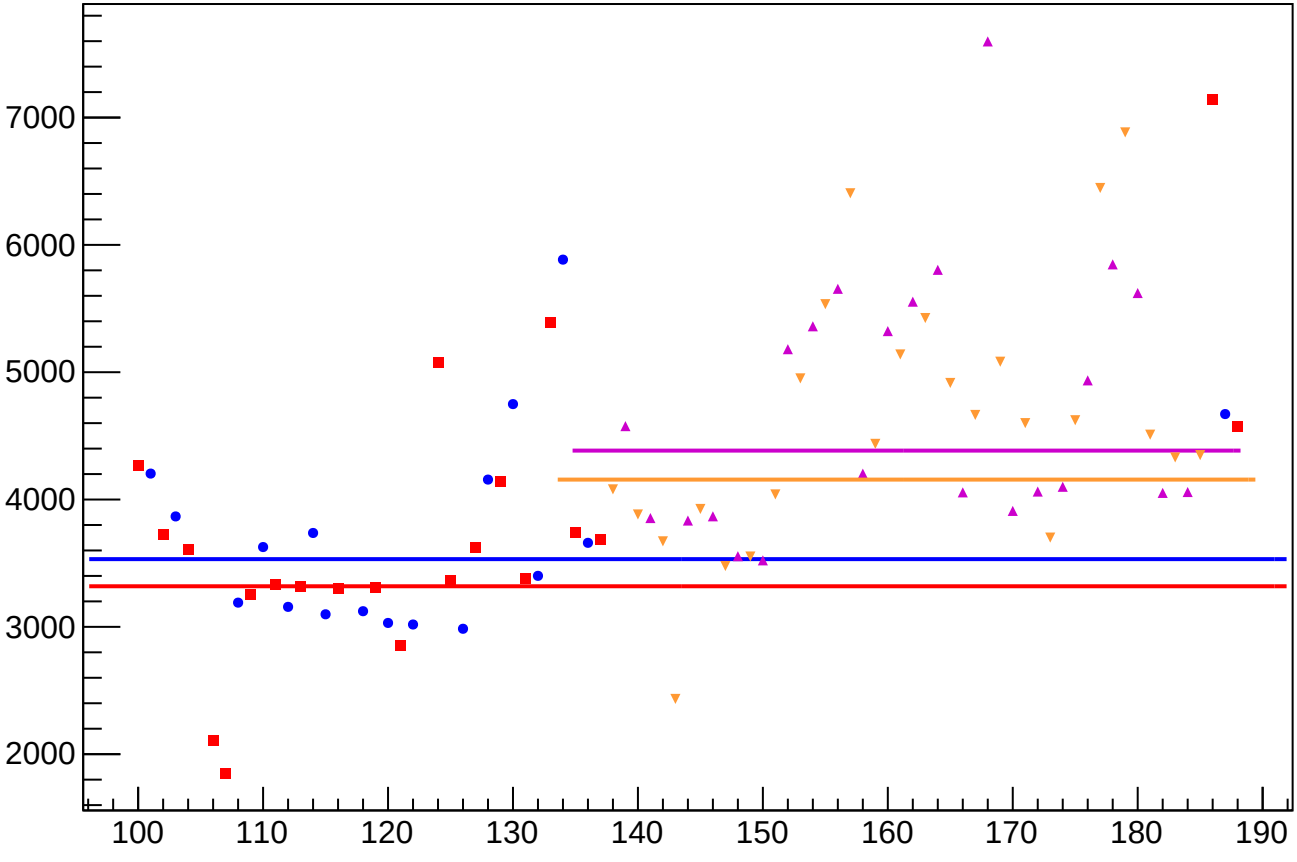
Right: 729.486+/-868.975 χ^2/NDF: 39.5/37

In: 386.902+/-818.975 χ^2/NDF:28.7/39

Out: 223.810+/-746.324 χ^2/NDF:53.6/45

All: 297.802+/-551.631 χ^2/NDF: 82.3/85

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 3531.912+/-0.932 χ^2/NDF: 397630.7/16

Left Out: 4156.588+/-0.691 χ^2/NDF:2080769.0/24

Right Out: 3318.790+/-0.817 χ^2/NDF: 1172350.5/20

Left In: 4384.329+/-0.739 χ^2/NDF:1255475.0/22

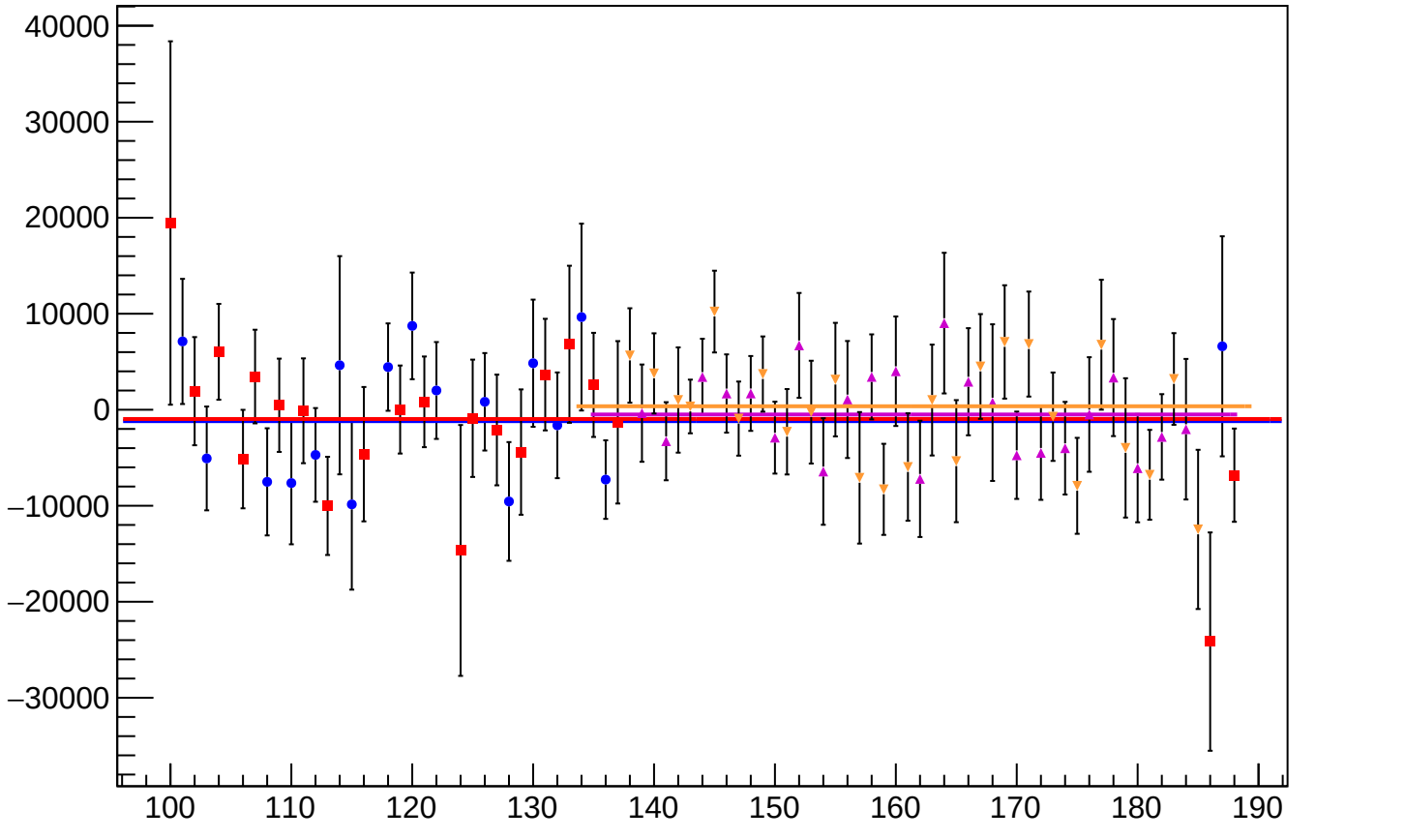
Left: 4262.780+/-0.505 χ^2/NDF: 3386892.6/47

Right: 3411.503+/-0.614 χ^2/NDF: 1599548.9/37

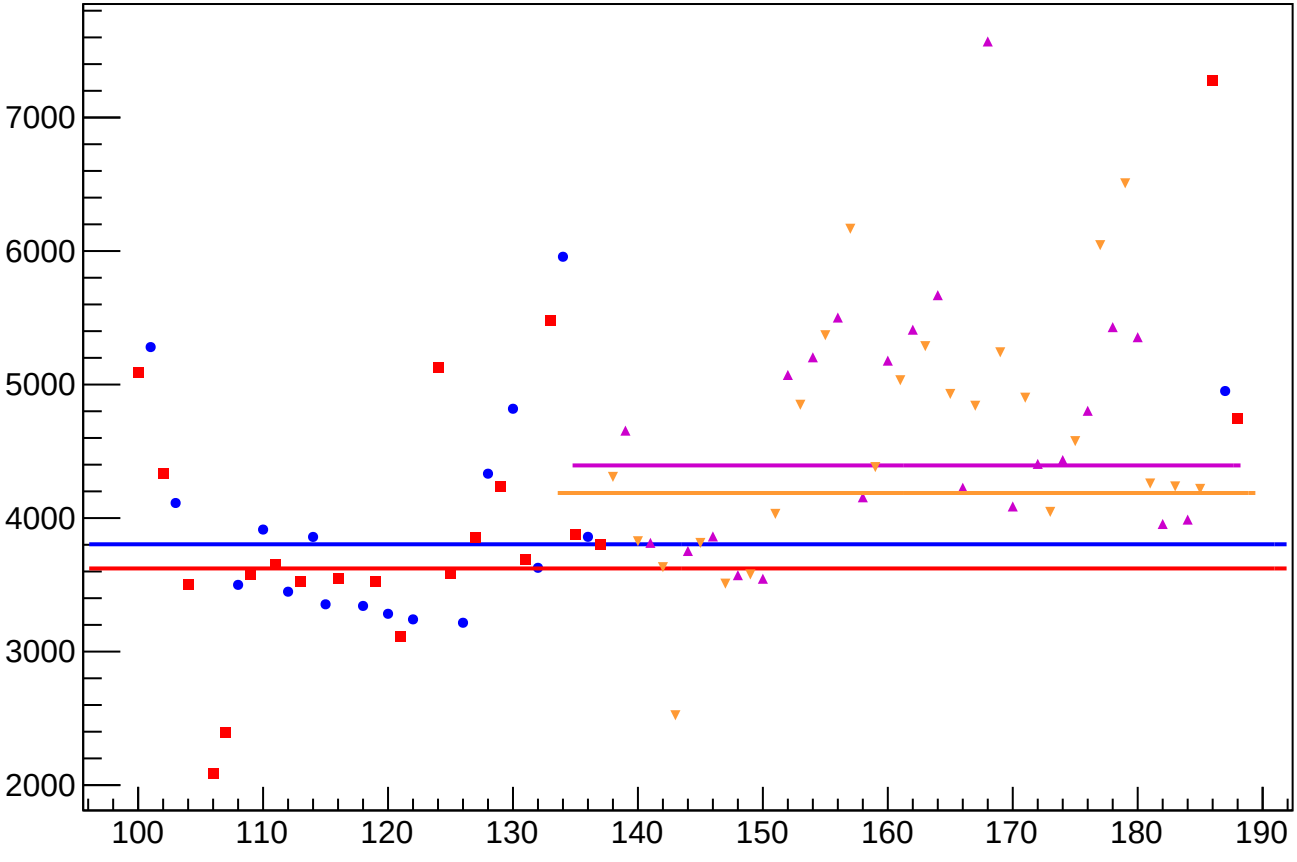
In: 4054.954+/-0.579 χ^2/NDF:2166813.0/39

Out: 3807.440+/-0.528 χ^2/NDF:3865728.8/45

All: 3919.734+/-0.390 χ^2/NDF: 6132341.6/85


asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
160
170
180
190
Right In: -1187.710+/-1420.581 χ²/NDF: 18.0/16
Left Out: 362.528+/-979.860 χ²/NDF:27.7/24
Right Out: -964.766+/-1280.004 χ²/NDF: 17.6/20
Left In: -497.522+/-1044.707 χ²/NDF:13.9/22
Left: -39.978+/-714.692 χ²/NDF: 41.9/47
Right: -1064.664+/-950.926 χ²/NDF: 35.6/37
In: -739.776+/-841.623 χ²/NDF:32.1/39
Out: -127.890+/-778.056 χ²/NDF:45.9/45
All: -409.856+/-571.321 χ²/NDF: 78.3/85

asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug, Sign Corrected



Right In: 3803.689+/-1.004 χ^2/NDF: 403375.2/16

Left Out: 4187.848+/-0.693 χ^2/NDF:1796345.9/24

Right Out: 3622.693+/-0.894 χ^2/NDF: 921143.5/20

Left In: 4394.324+/-0.739 χ^2/NDF:1088394.9/22

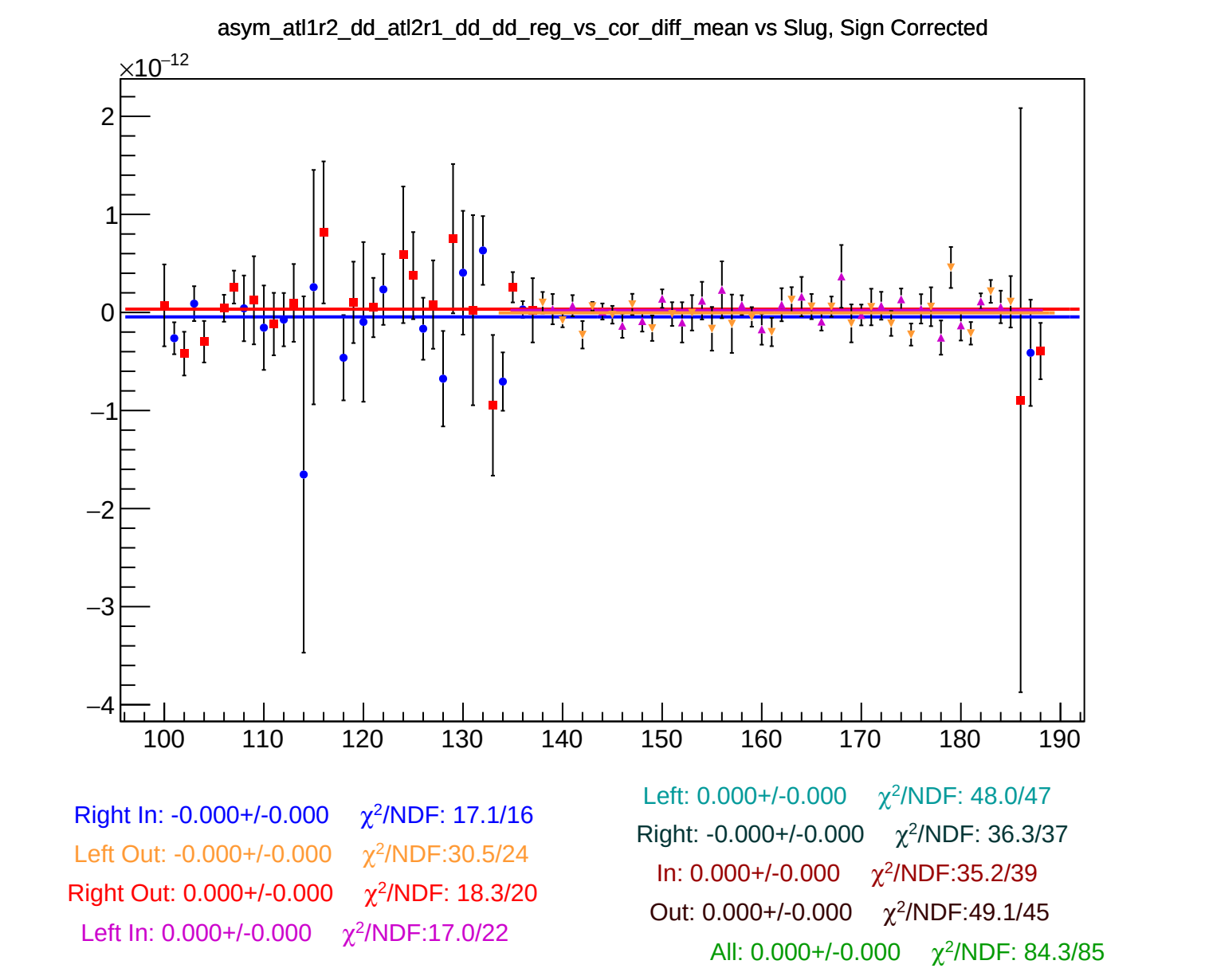
Left: 4284.479+/-0.505 χ^2/NDF: 2926302.1/47

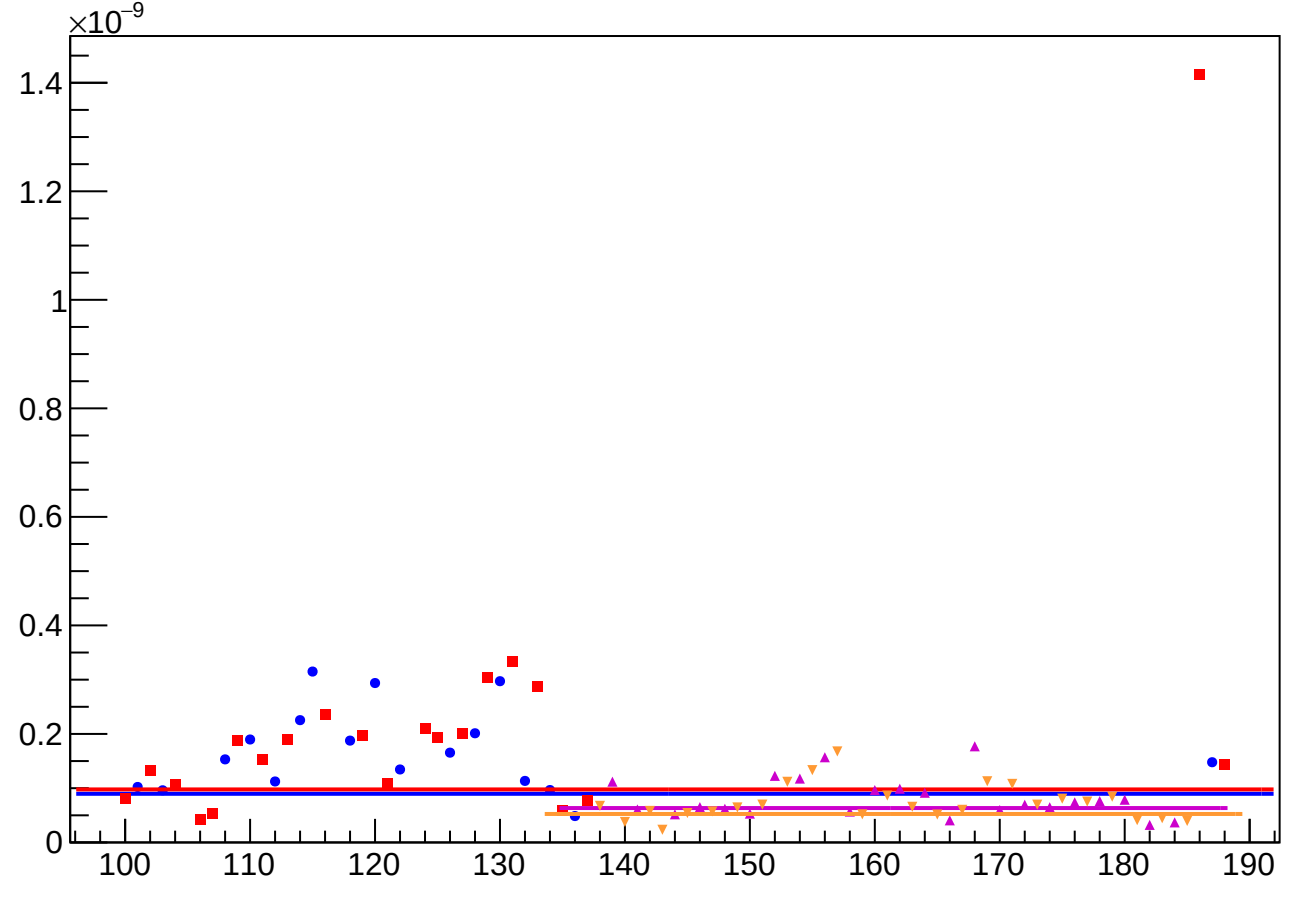
Right: 3702.668+/-0.668 χ^2/NDF: 1342639.9/37

In: 4187.011+/-0.595 χ^2/NDF:1716151.8/39

Out: 3975.698+/-0.548 χ^2/NDF:2967242.7/45

All: 4072.581+/-0.403 χ^2/NDF: 4751669.3/85


asym_atl1r2_dd_atl2r1_dd_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
1
0
−1
−2
−3
−4
100
110
120
130
140
150
160
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 17.1/16
Left Out: -0.000+/-0.000 χ²/NDF:30.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 18.3/20
Left In: 0.000+/-0.000 χ²/NDF:17.0/22
Left: 0.000+/-0.000 χ²/NDF: 48.0/47
Right: -0.000+/-0.000 χ²/NDF: 36.3/37
In: 0.000+/-0.000 χ²/NDF:35.2/39
Out: 0.000+/-0.000 χ²/NDF:49.1/45
All: 0.000+/-0.000 χ²/NDF: 84.3/85



Right In: 0.000+/-0.000 χ^2/NDF: 1484054.5/16

Left Out: 0.000+/-0.000 χ^2/NDF:2628519.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2182752.7/20

Left In: 0.000+/-0.000 χ^2/NDF:1788279.2/22

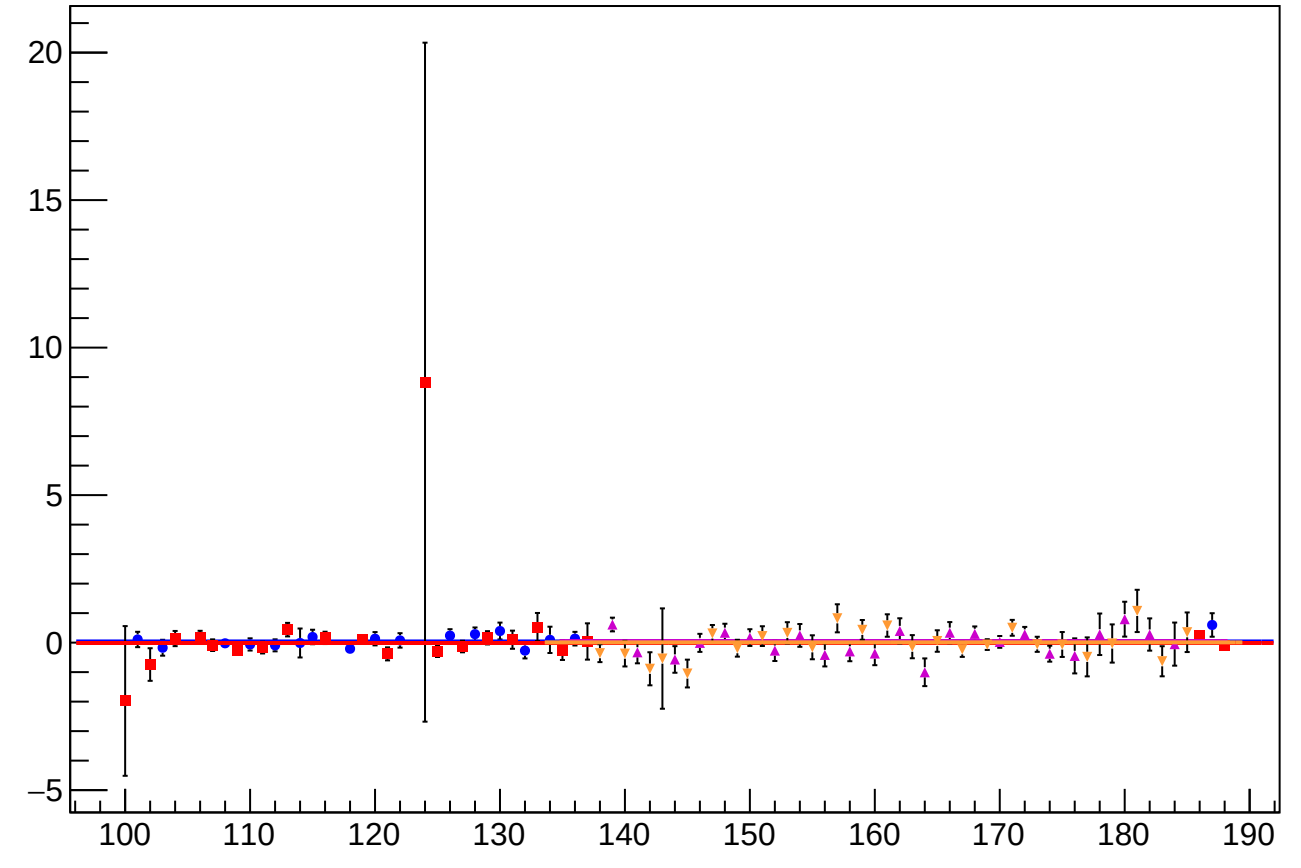
Left: 0.000+/-0.000 χ^2/NDF: 4618450.3/47

Right: 0.000+/-0.000 χ^2/NDF: 3684494.2/37

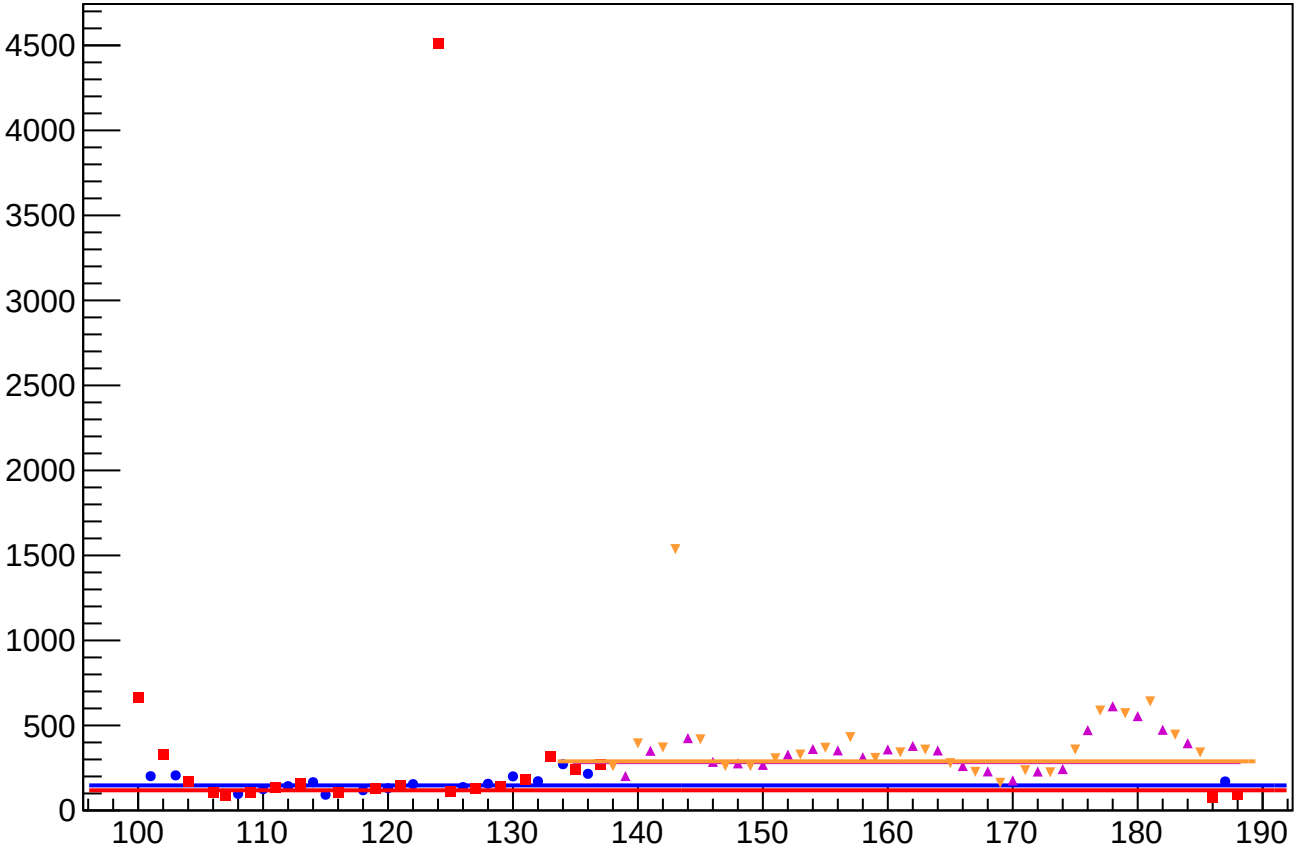
In: 0.000+/-0.000 χ^2/NDF:3607391.7/39

Out: 0.000+/-0.000 χ^2/NDF:5743467.6/45

All: 0.000+/-0.000 χ^2/NDF: 9555638.4/85


asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected
20
15
10
5
0
−5
100
110
120
130
140
150
160
170
180
190
Right In: 0.040+/-0.057 χ²/NDF: 11.5/16
Left Out: 0.009+/-0.071 χ²/NDF:28.9/24
Right Out: -0.013+/-0.045 χ²/NDF: 24.7/20
Left In: 0.053+/-0.070 χ²/NDF:27.8/22
Left: 0.032+/-0.050 χ²/NDF: 56.8/47
Right: 0.007+/-0.035 χ²/NDF: 36.7/37
In: 0.045+/-0.044 χ²/NDF:39.2/39
Out: -0.007+/-0.038 χ²/NDF:53.7/45
All: 0.015+/-0.029 χ²/NDF: 93.7/85

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 147.318+/-0.040 χ^2/NDF: 1005702.3/16

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

Right Out: 118.570+/-0.032 χ^2/NDF: 2147690.3/20

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

Left: 286.524+/-0.035 χ^2/NDF: 7730236.9/47

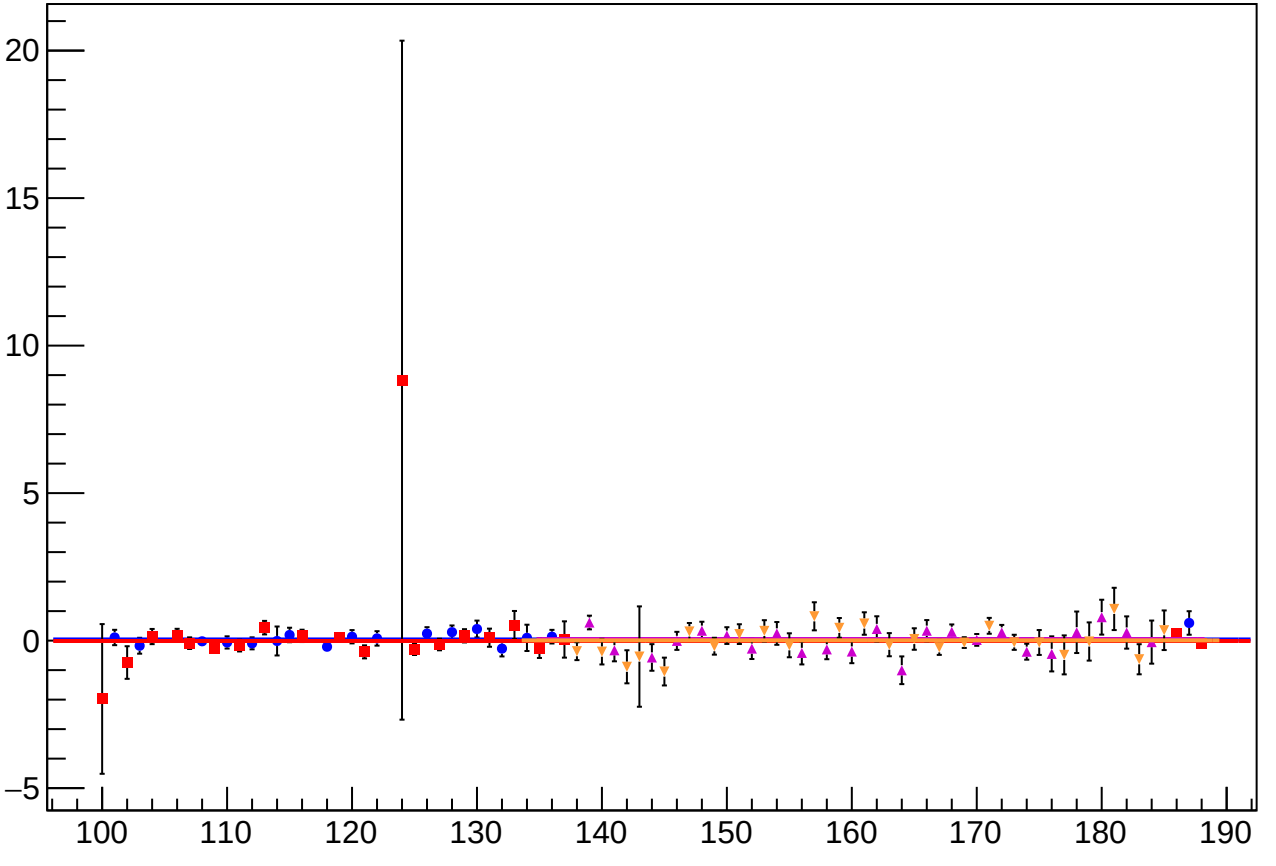
Right: 129.534+/-0.025 χ^2/NDF: 3466940.8/37

In: 201.625+/-0.031 χ^2/NDF:8640977.5/39

Out: 167.120+/-0.027 χ^2/NDF:15023755.9/45

All: 181.689+/-0.020 χ^2/NDF: 24364154.3/85

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.040+/-0.057 χ^2/NDF: 11.5/16

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.013+/-0.045 χ^2/NDF: 24.7/20

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

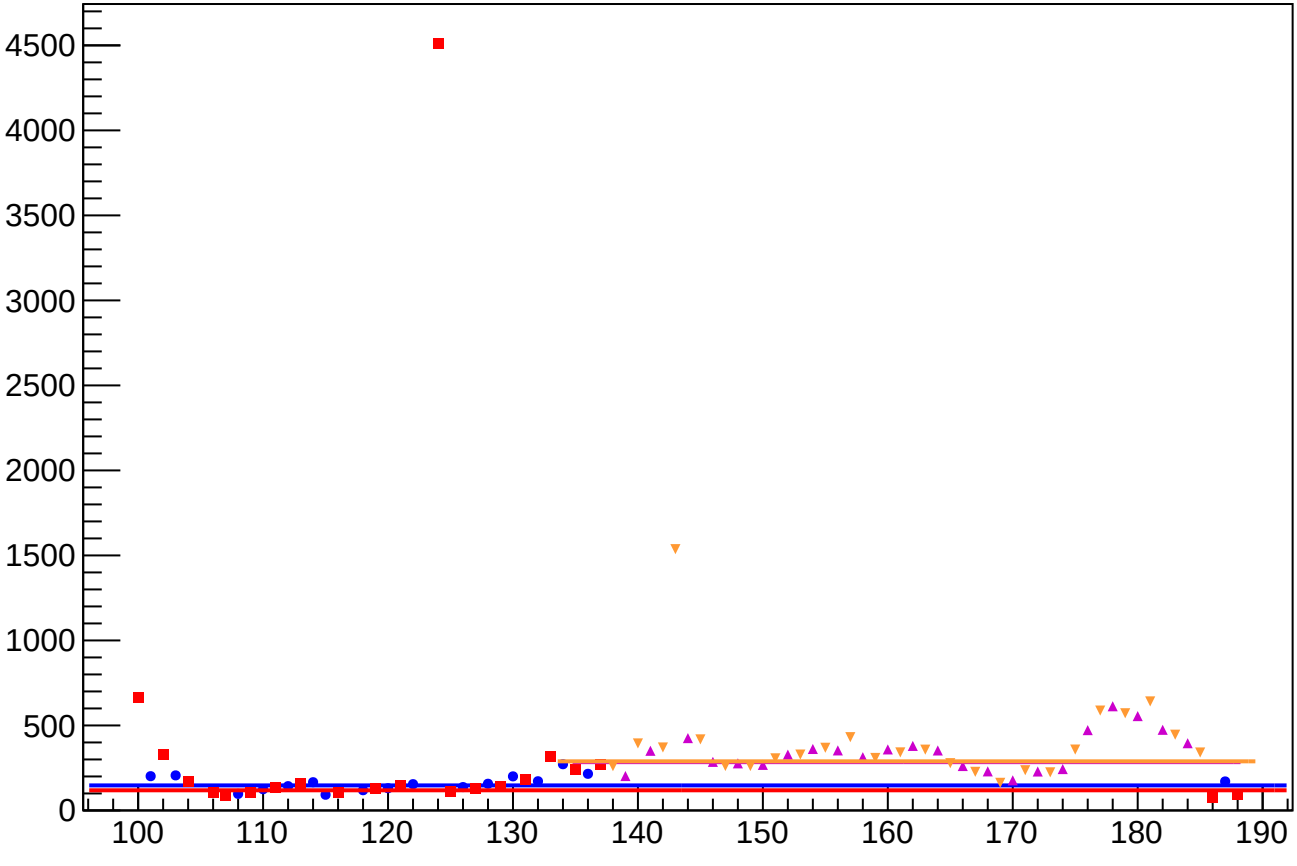
Right: 0.007+/-0.035 χ^2/NDF: 36.7/37

In: 0.045+/-0.044 χ^2/NDF:39.2/39

Out: -0.007+/-0.038 χ^2/NDF:53.7/45

All: 0.015+/-0.029 χ^2/NDF: 93.7/85

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 147.318+/-0.040 χ^2/NDF: 1005702.3/16

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

Right Out: 118.570+/-0.032 χ^2/NDF: 2147690.3/20

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

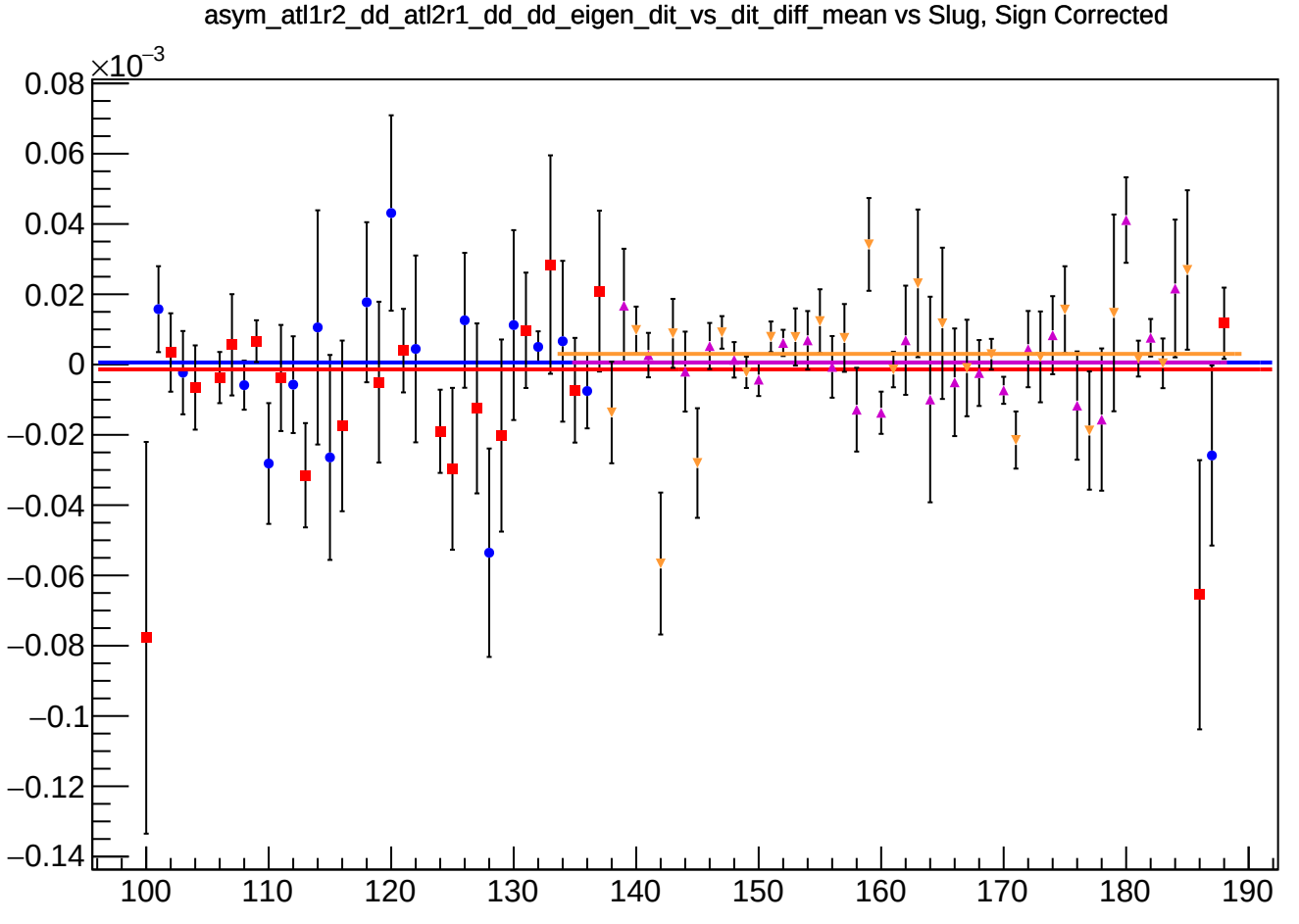
Left: 286.524+/-0.035 χ^2/NDF: 7730236.9/47

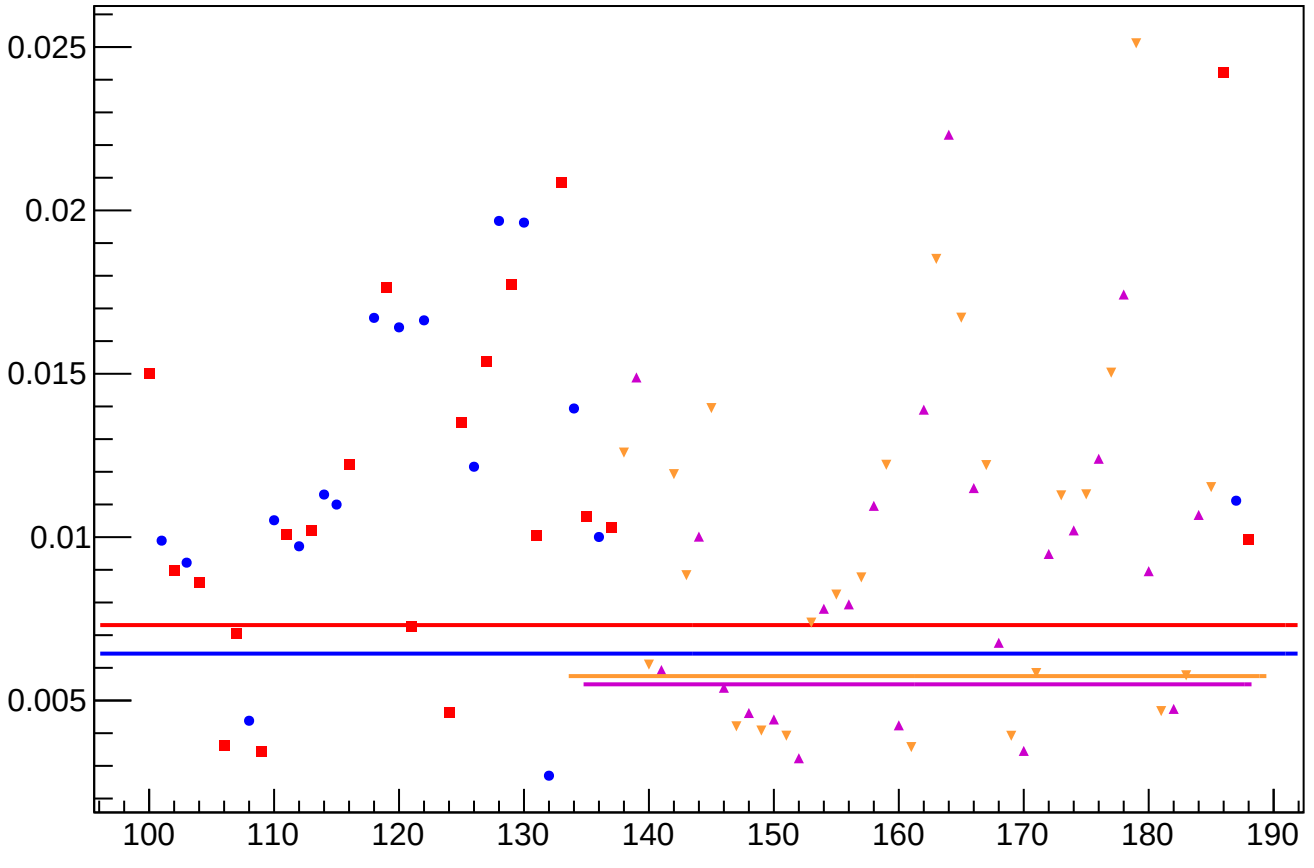
Right: 129.534+/-0.025 χ^2/NDF: 3466940.8/37

In: 201.625+/-0.031 χ^2/NDF:8640977.5/39

Out: 167.120+/-0.027 χ^2/NDF:15023755.9/45

All: 181.689+/-0.020 χ^2/NDF: 24364154.3/85


asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 15.9/16
Left Out: 0.000+/-0.000 χ²/NDF:42.2/24
Right Out: -0.000+/-0.000 χ²/NDF: 20.6/20
Left In: 0.000+/-0.000 χ²/NDF:33.2/22
Left: 0.000+/-0.000 χ²/NDF: 76.7/47
Right: -0.000+/-0.000 χ²/NDF: 36.8/37
In: 0.000+/-0.000 χ²/NDF:49.1/39
Out: 0.000+/-0.000 χ²/NDF:64.6/45
All: 0.000+/-0.000 χ²/NDF: 114.4/85



Right In: 0.006+/-0.000 χ^2/NDF: 4707327.9/16

Left Out: 0.006+/-0.000 χ^2/NDF:8128513.8/24

Right Out: 0.007+/-0.000 χ^2/NDF: 3959056.4/20

Left In: 0.005+/-0.000 χ^2/NDF:6937299.0/22

Left: 0.006+/-0.000 χ^2/NDF: 15093250.6/47

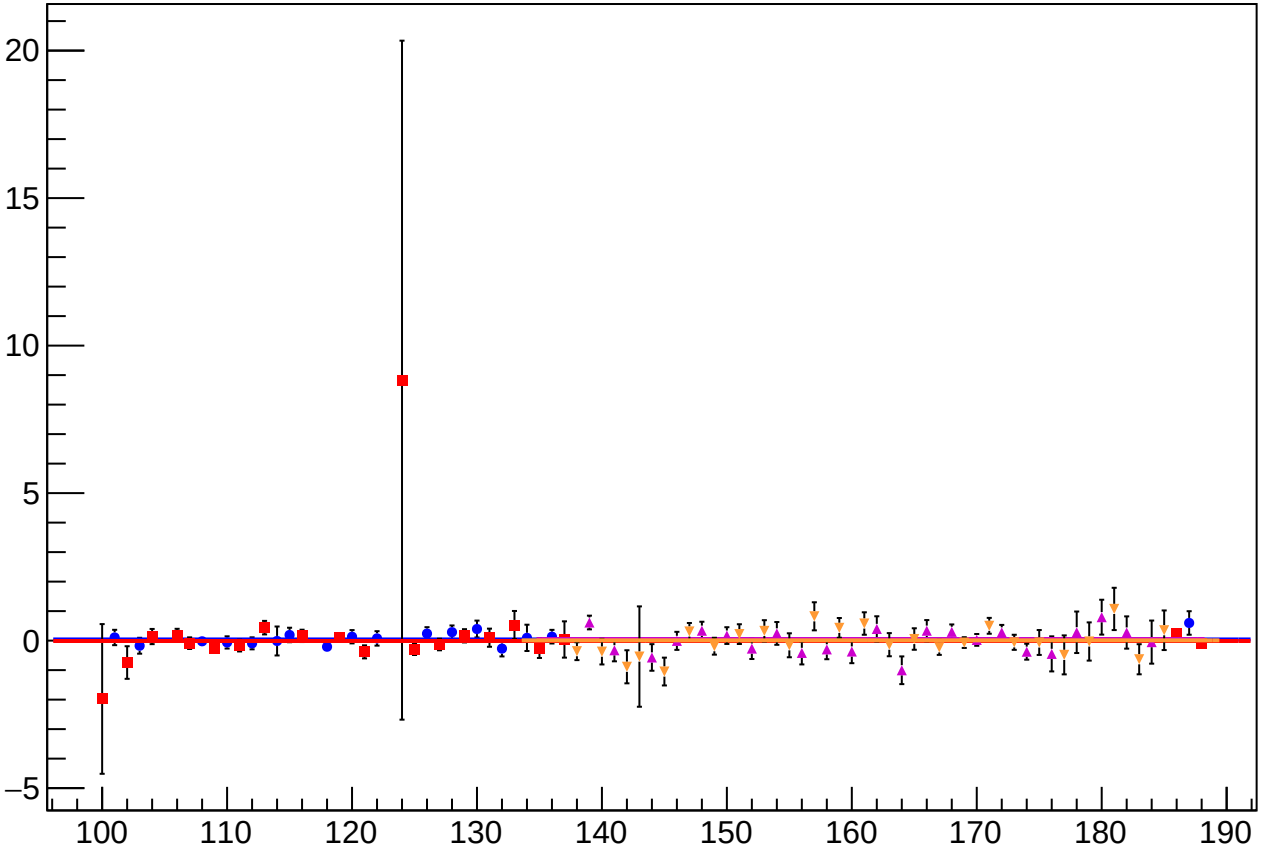
Right: 0.007+/-0.000 χ^2/NDF: 8757385.7/37

In: 0.006+/-0.000 χ^2/NDF:11808826.7/39

Out: 0.006+/-0.000 χ^2/NDF:12546785.7/45

All: 0.006+/-0.000 χ^2/NDF: 24440341.3/85

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.040+/-0.057 χ^2/NDF: 11.5/16

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.013+/-0.045 χ^2/NDF: 24.7/20

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

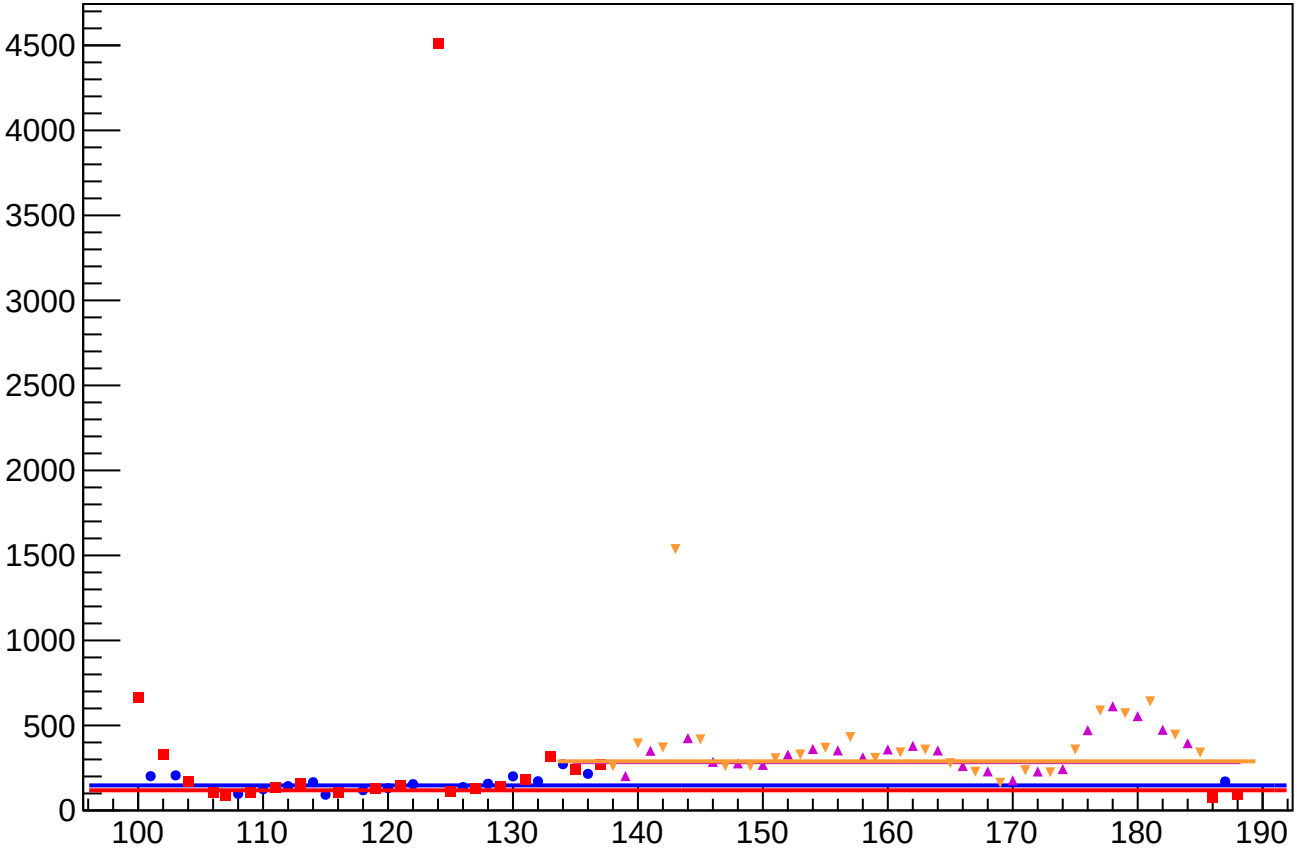
Right: 0.007+/-0.035 χ^2/NDF: 36.7/37

In: 0.045+/-0.044 χ^2/NDF:39.2/39

Out: -0.007+/-0.038 χ^2/NDF:53.7/45

All: 0.015+/-0.029 χ^2/NDF: 93.7/85

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 147.318+/-0.040 χ^2/NDF: 1005643.2/16

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

Right Out: 118.572+/-0.032 χ^2/NDF: 2147574.0/20

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

Left: 286.525+/-0.035 χ^2/NDF: 7730531.8/47

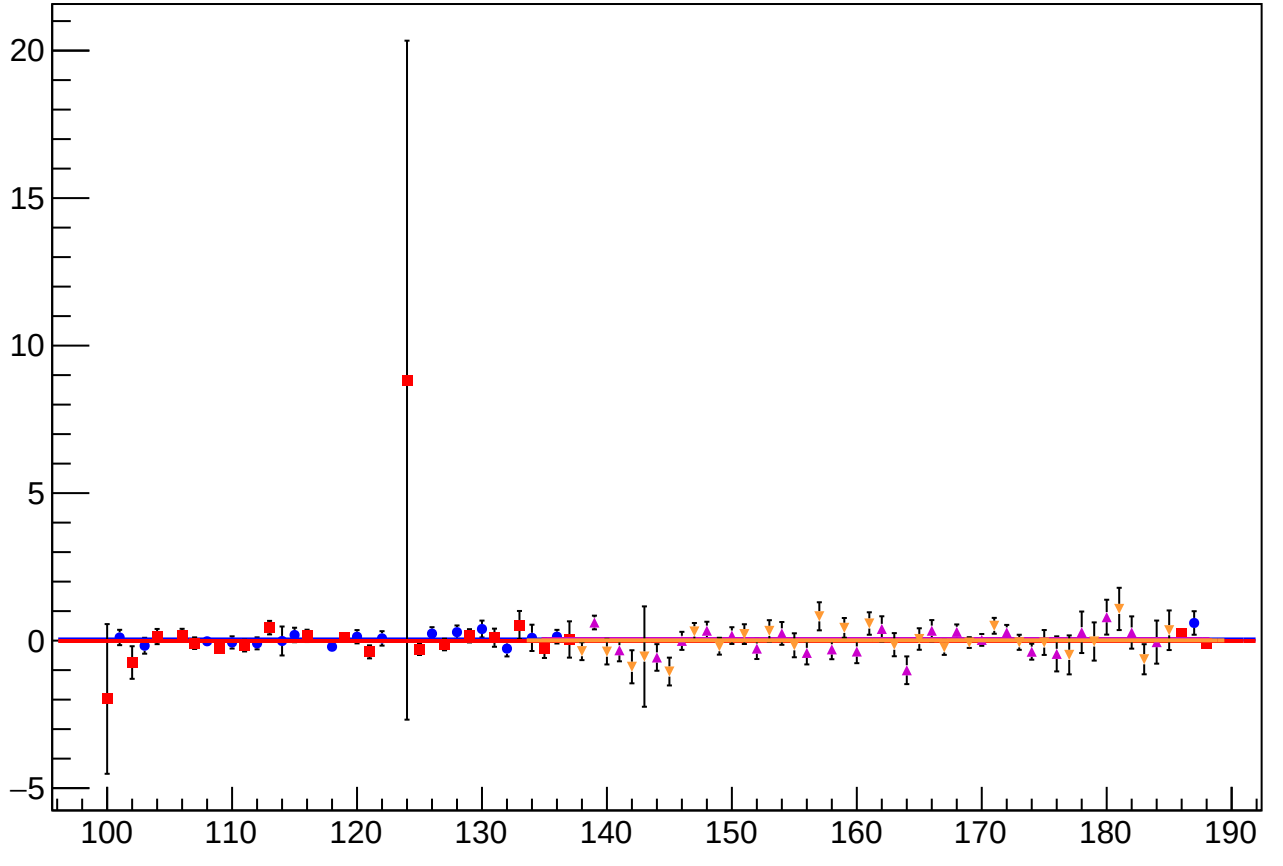
Right: 129.535+/-0.025 χ^2/NDF: 3466719.3/37

In: 201.625+/-0.031 χ^2/NDF:8641101.7/39

Out: 167.122+/-0.027 χ^2/NDF:15023568.0/45

All: 181.690+/-0.020 χ^2/NDF: 24364000.7/85

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.040+/-0.057 χ^2/NDF: 11.5/16

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.013+/-0.045 χ^2/NDF: 24.7/20

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

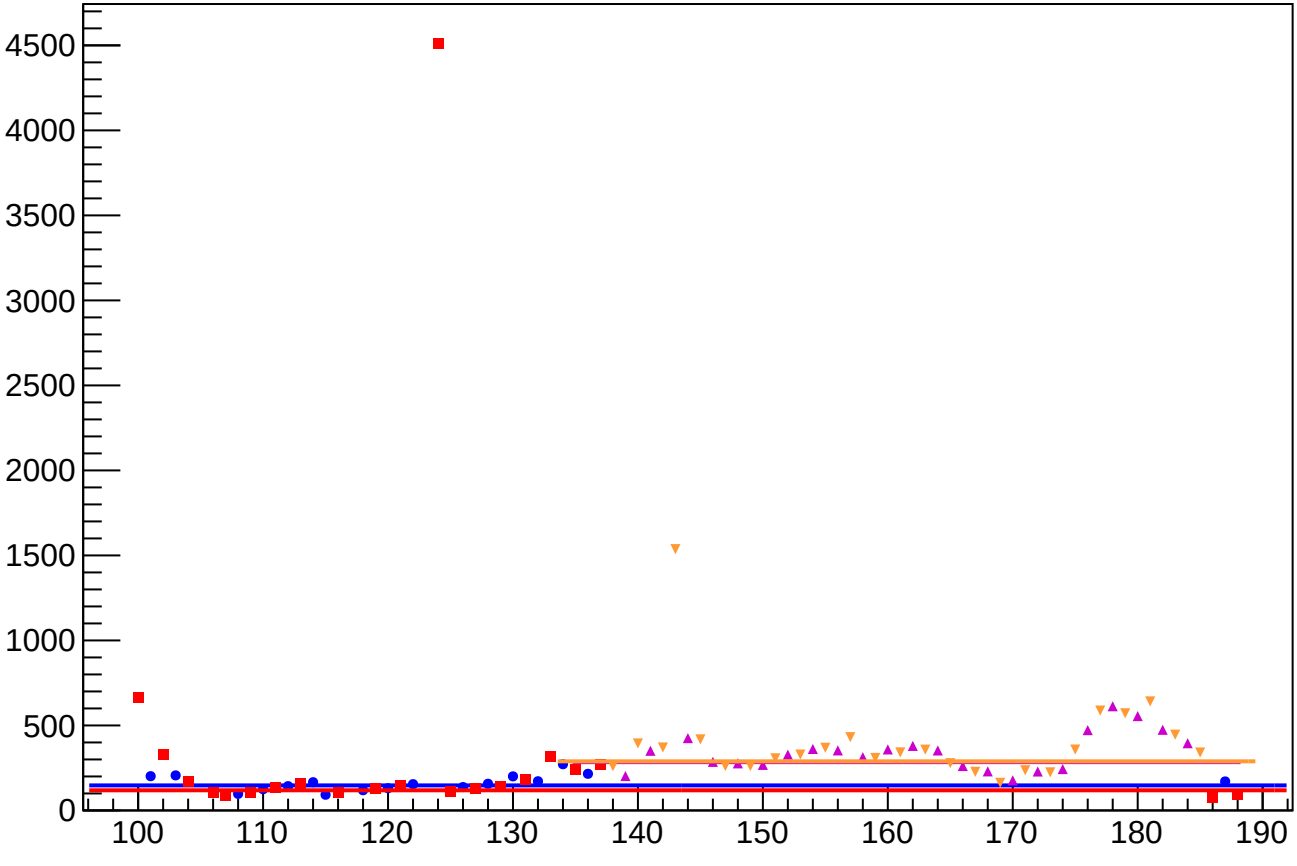
Right: 0.007+/-0.035 χ^2/NDF: 36.7/37

In: 0.045+/-0.044 χ^2/NDF:39.2/39

Out: -0.007+/-0.038 χ^2/NDF:53.7/45

All: 0.015+/-0.029 χ^2/NDF: 93.7/85

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 147.318+/-0.040 χ^2/NDF: 1005643.2/16

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

Right Out: 118.572+/-0.032 χ^2/NDF: 2147574.0/20

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

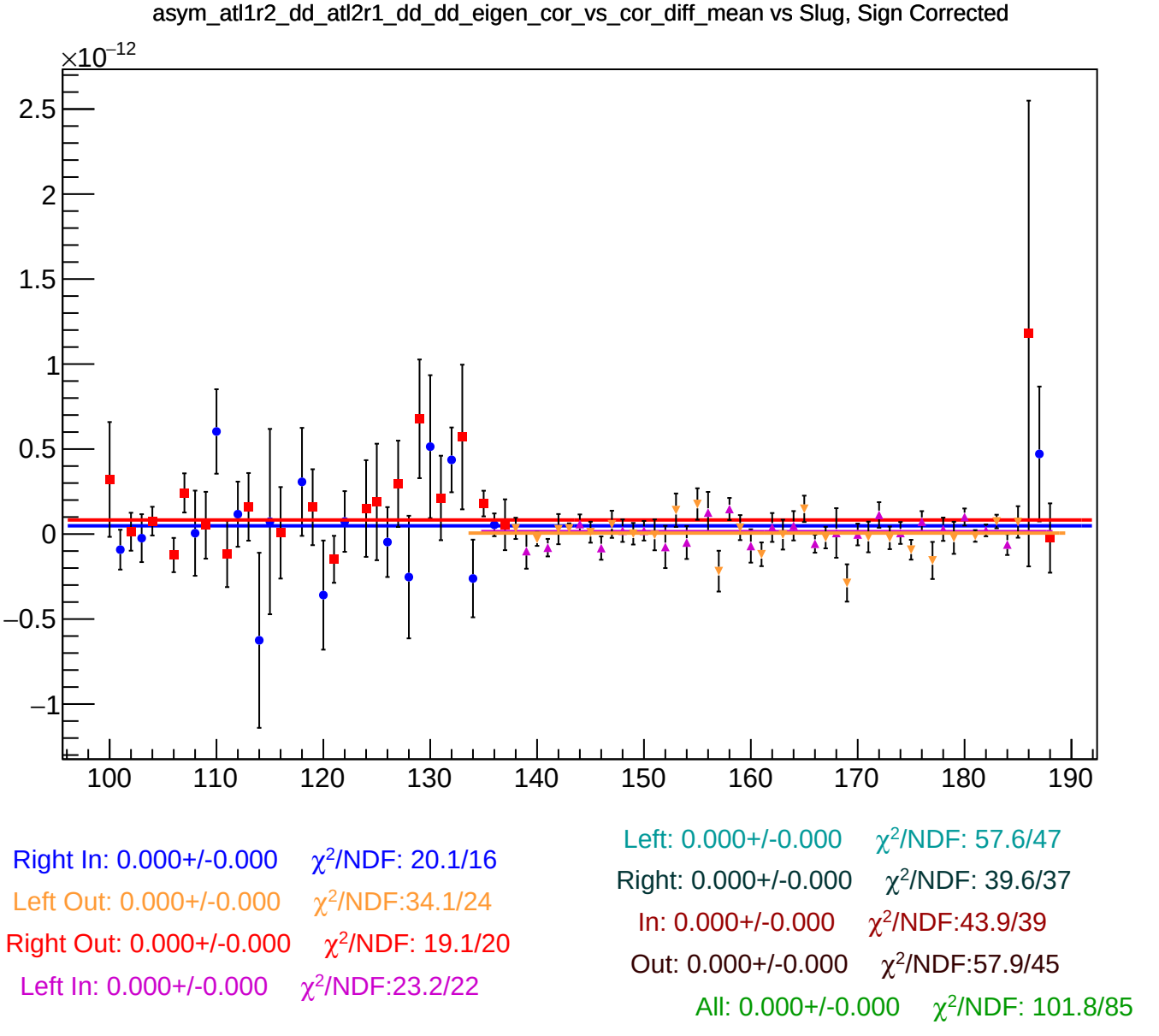
Left: 286.525+/-0.035 χ^2/NDF: 7730531.8/47

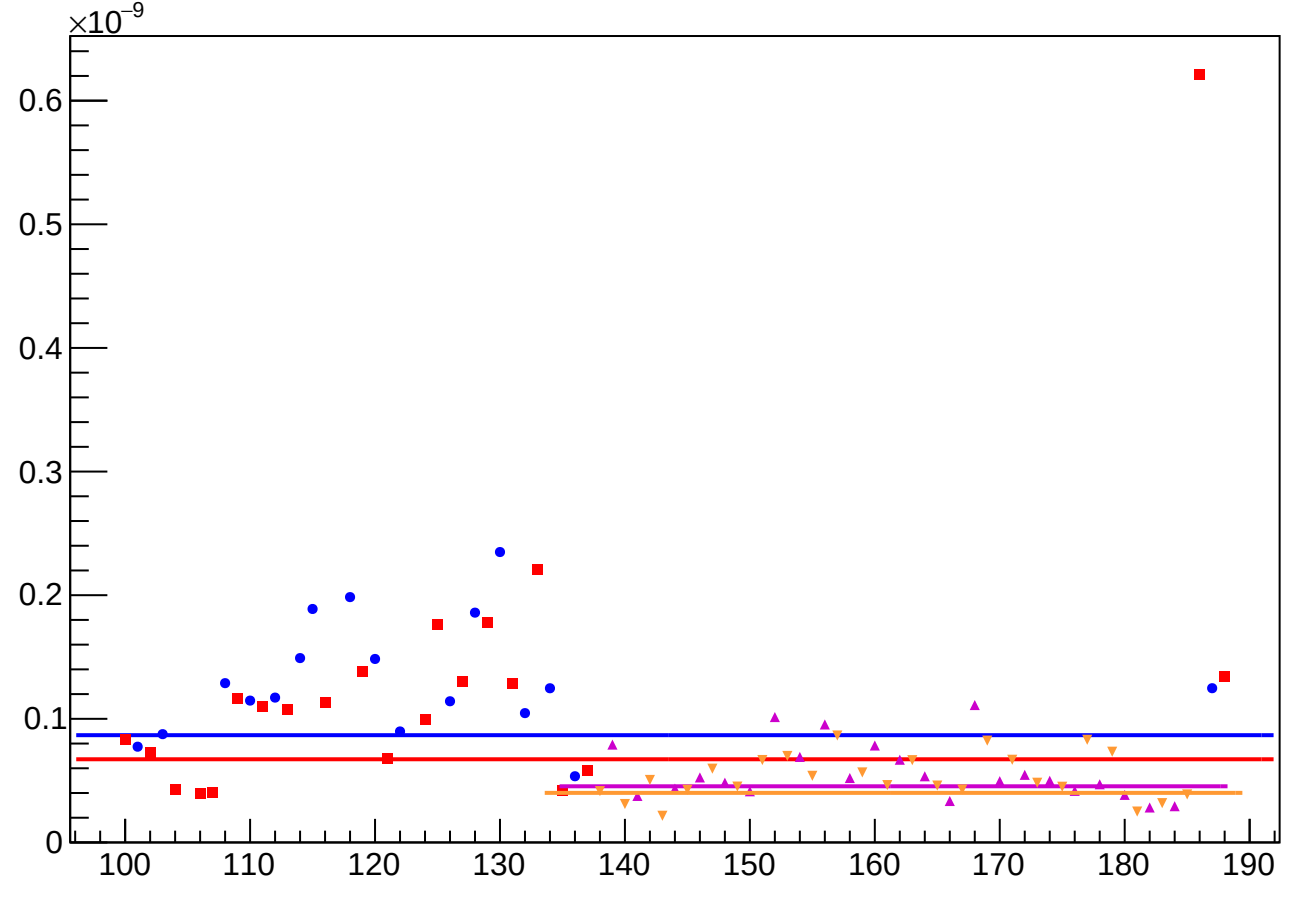
Right: 129.535+/-0.025 χ^2/NDF: 3466719.3/37

In: 201.625+/-0.031 χ^2/NDF:8641101.7/39

Out: 167.122+/-0.027 χ^2/NDF:15023568.0/45

All: 181.690+/-0.020 χ^2/NDF: 24364000.7/85


asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2.5
2
1.5
1
0.5
0
−0.5
−1
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 20.1/16
Left Out: 0.000+/-0.000 χ²/NDF:34.1/24
Right Out: 0.000+/-0.000 χ²/NDF: 19.1/20
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: 39.6/37
In: 0.000+/-0.000 χ²/NDF:43.9/39
Out: 0.000+/-0.000 χ²/NDF:57.9/45
All: 0.000+/-0.000 χ²/NDF: 101.8/85



Right In: 0.000+/-0.000 χ^2/NDF: 1584239.1/16

Left Out: 0.000+/-0.000 χ^2/NDF:3609934.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2710521.4/20

Left In: 0.000+/-0.000 χ^2/NDF:2780344.5/22

Left: 0.000+/-0.000 χ^2/NDF: 6559252.5/47

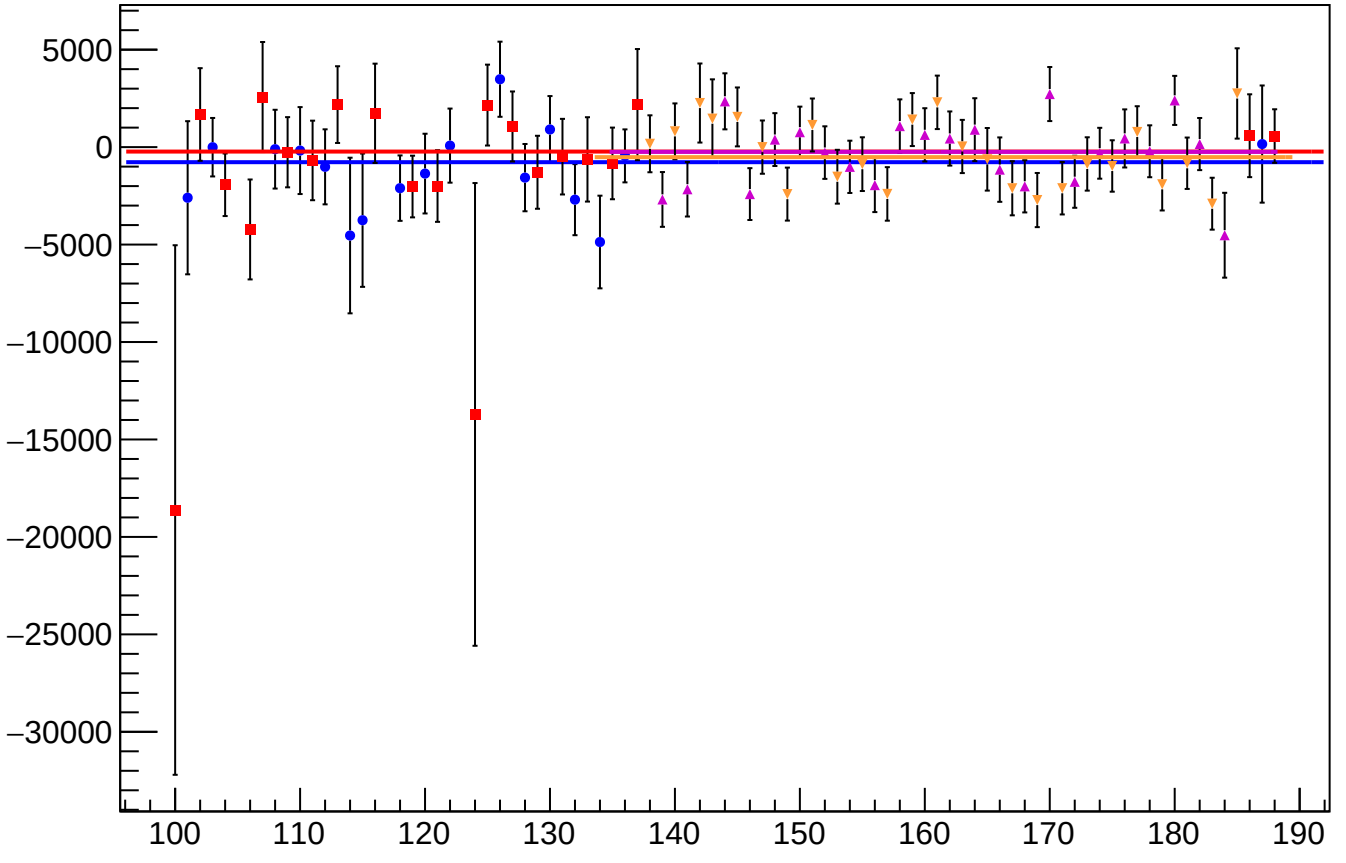
Right: 0.000+/-0.000 χ^2/NDF: 4552623.7/37

In: 0.000+/-0.000 χ^2/NDF:6081623.0/39

Out: 0.000+/-0.000 χ^2/NDF:7466241.3/45

All: 0.000+/-0.000 χ^2/NDF: 13787059.0/85

reg_asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug, Sign Corrected



Right In: -772.835+/-481.168 χ^2/NDF: 13.5/16

Left Out: -514.484+/-285.945 χ^2/NDF:30.9/24

Right Out: -228.188+/-447.782 χ^2/NDF: 16.2/20

Left In: -242.686+/-291.166 χ^2/NDF:32.0/22

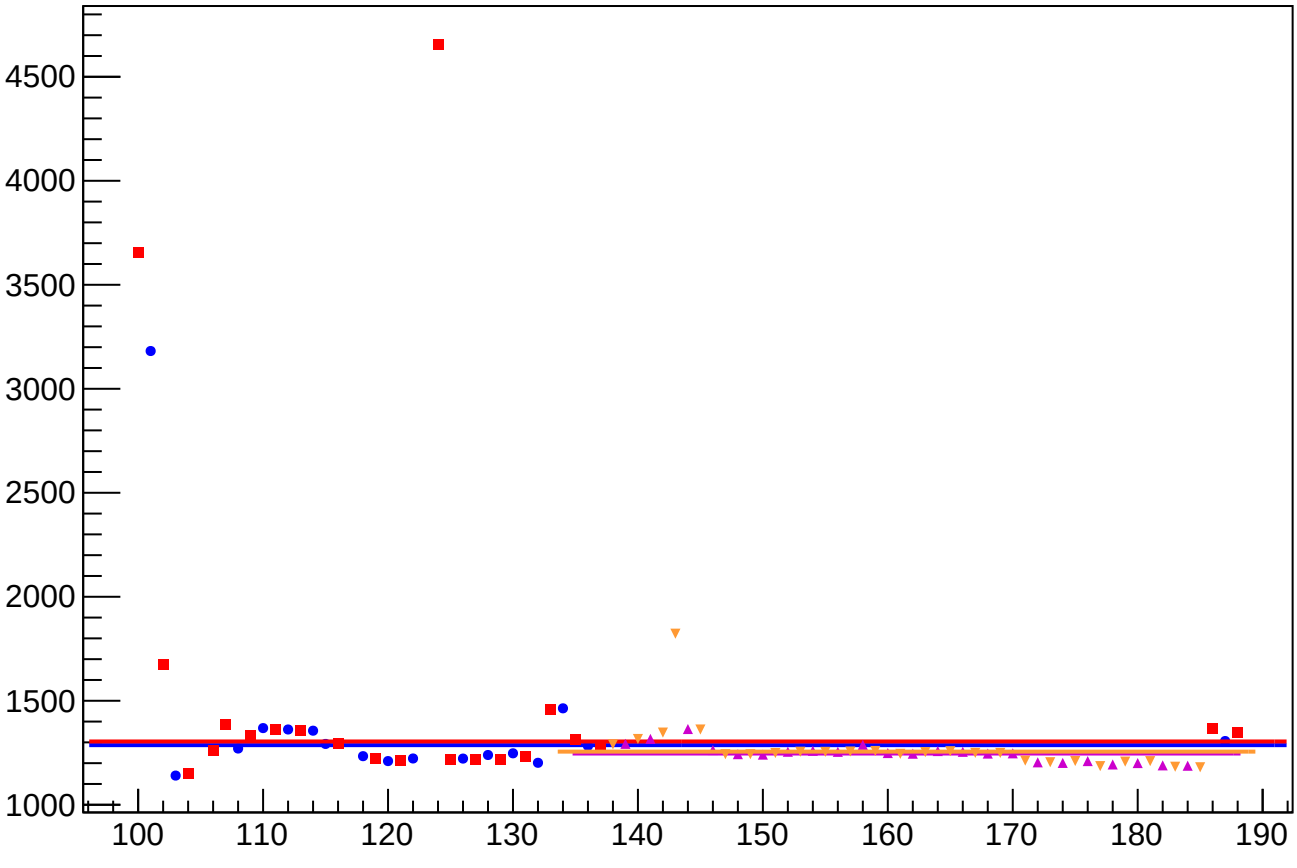
Left: -381.044+/-204.014 χ^2/NDF: 63.4/47

Right: -480.963+/-327.797 χ^2/NDF: 30.4/37

In: -384.781+/-249.108 χ^2/NDF:46.4/39

Out: -431.555+/-240.998 χ^2/NDF:47.4/45

All: -408.942+/-173.208 χ^2/NDF: 93.8/85



Right In: 1286.619+/-0.340 χ^2/NDF: 518216.2/16

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.1/24

Right Out: 1304.326+/-0.317 χ^2/NDF: 332177.9/20

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

Left: 1251.017+/-0.144 χ^2/NDF: 243988.6/47

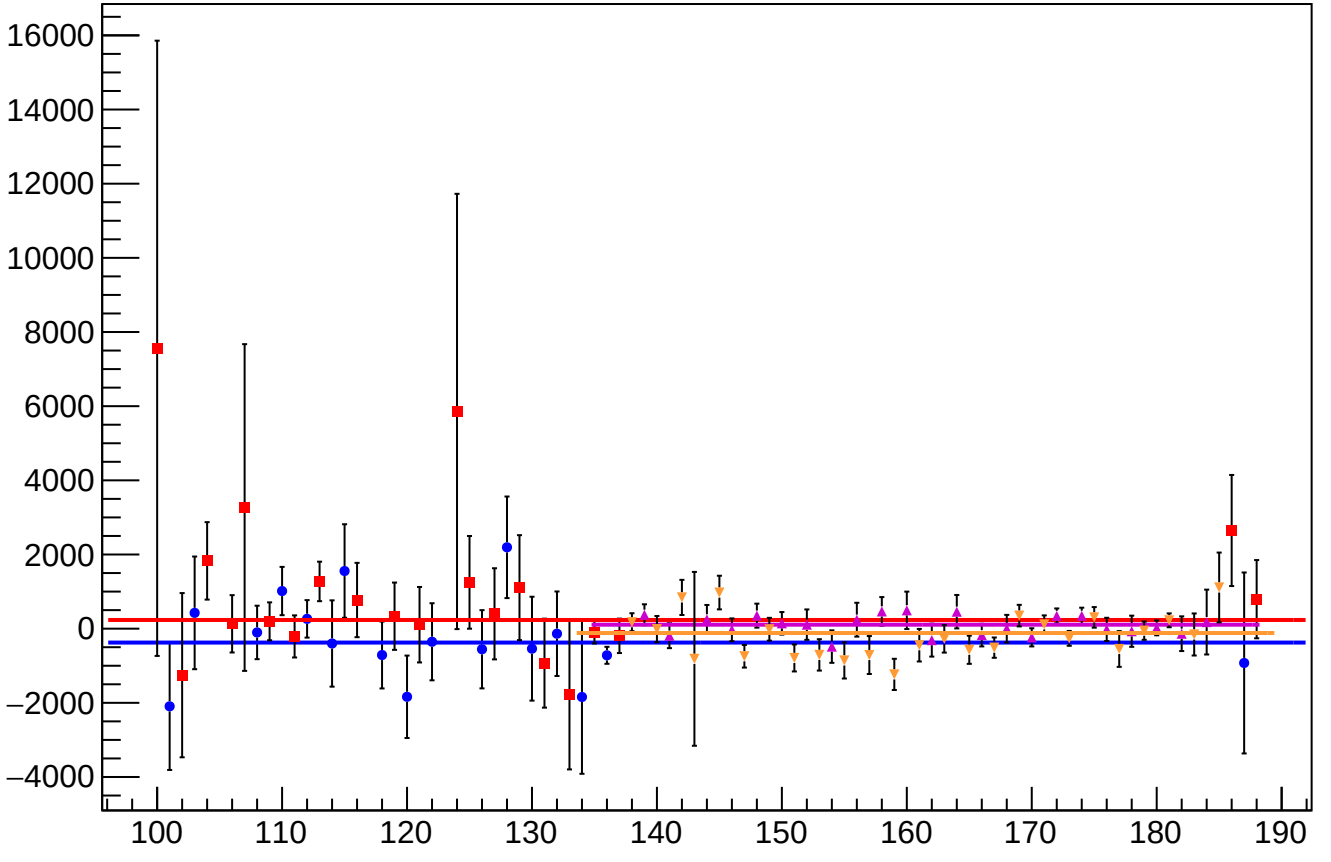
Right: 1296.108+/-0.232 χ^2/NDF: 851845.7/37

In: 1257.146+/-0.176 χ^2/NDF:568324.3/39

Out: 1269.653+/-0.170 χ^2/NDF:552183.9/45

All: 1263.607+/-0.122 χ^2/NDF: 1123112.2/85

asym_atl1r2_dd_atl2r1_dd_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -374.939+/-167.806 χ^2/NDF: 18.2/16

Left Out: -117.028+/-65.059 χ^2/NDF:48.4/24

Right Out: 234.361+/-166.390 χ^2/NDF: 17.6/20

Left In: 107.341+/-67.001 χ^2/NDF:13.7/22

Left: -8.142+/-46.675 χ^2/NDF: 67.9/47

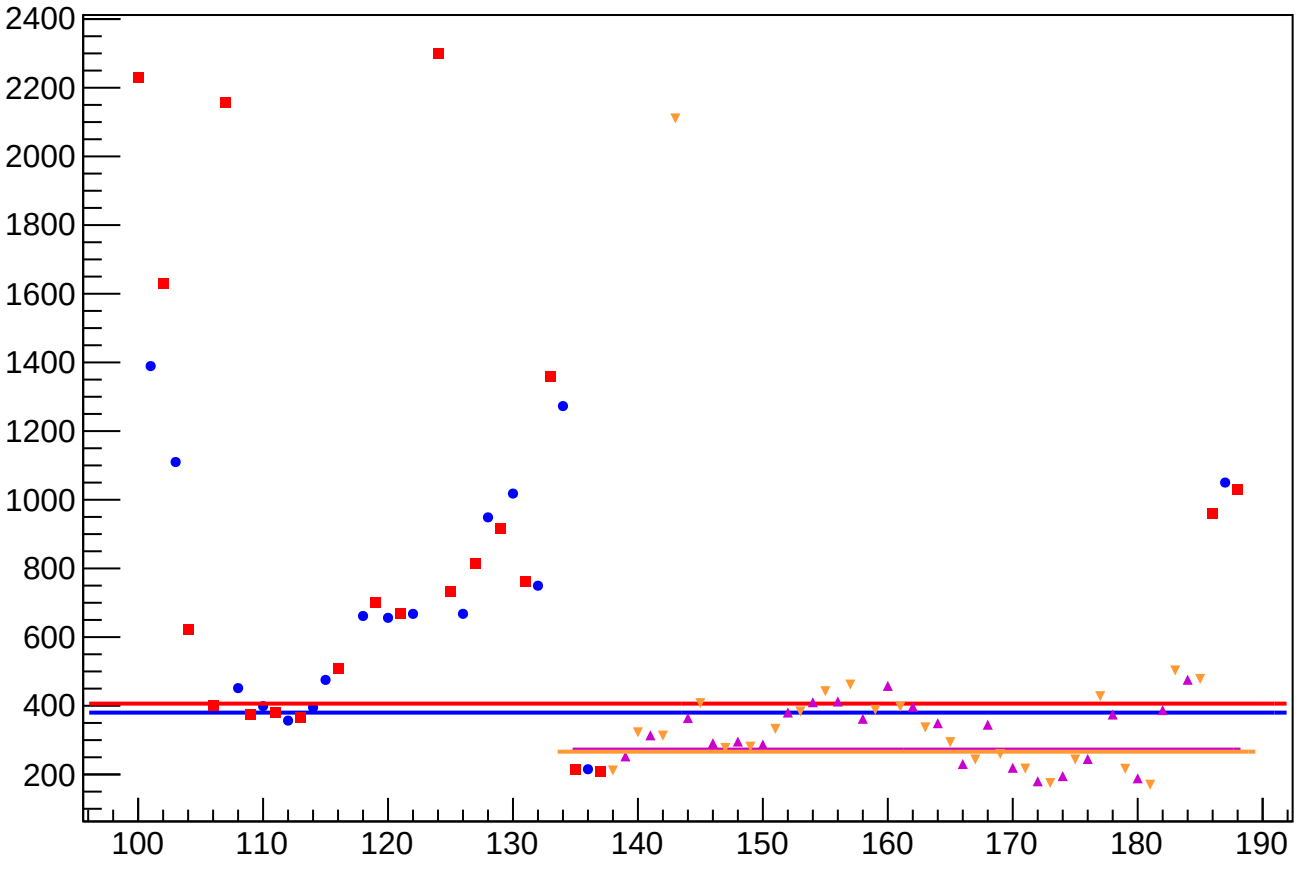
Right: -67.708+/-118.153 χ^2/NDF: 42.4/37

In: 41.027+/-62.224 χ^2/NDF:39.1/39

Out: -70.431+/-60.592 χ^2/NDF:69.9/45

All: -16.183+/-43.411 χ^2/NDF: 110.6/85

asym_atl1r2_dd_atl2r1_dd_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 380.076+/-0.119 χ^2/NDF: 4341702.4/16

Left Out: 266.321+/-0.046 χ^2/NDF:4630130.4/24

Right Out: 406.287+/-0.118 χ^2/NDF: 5063951.0/20

Left In: 272.368+/-0.047 χ^2/NDF:2887823.5/22

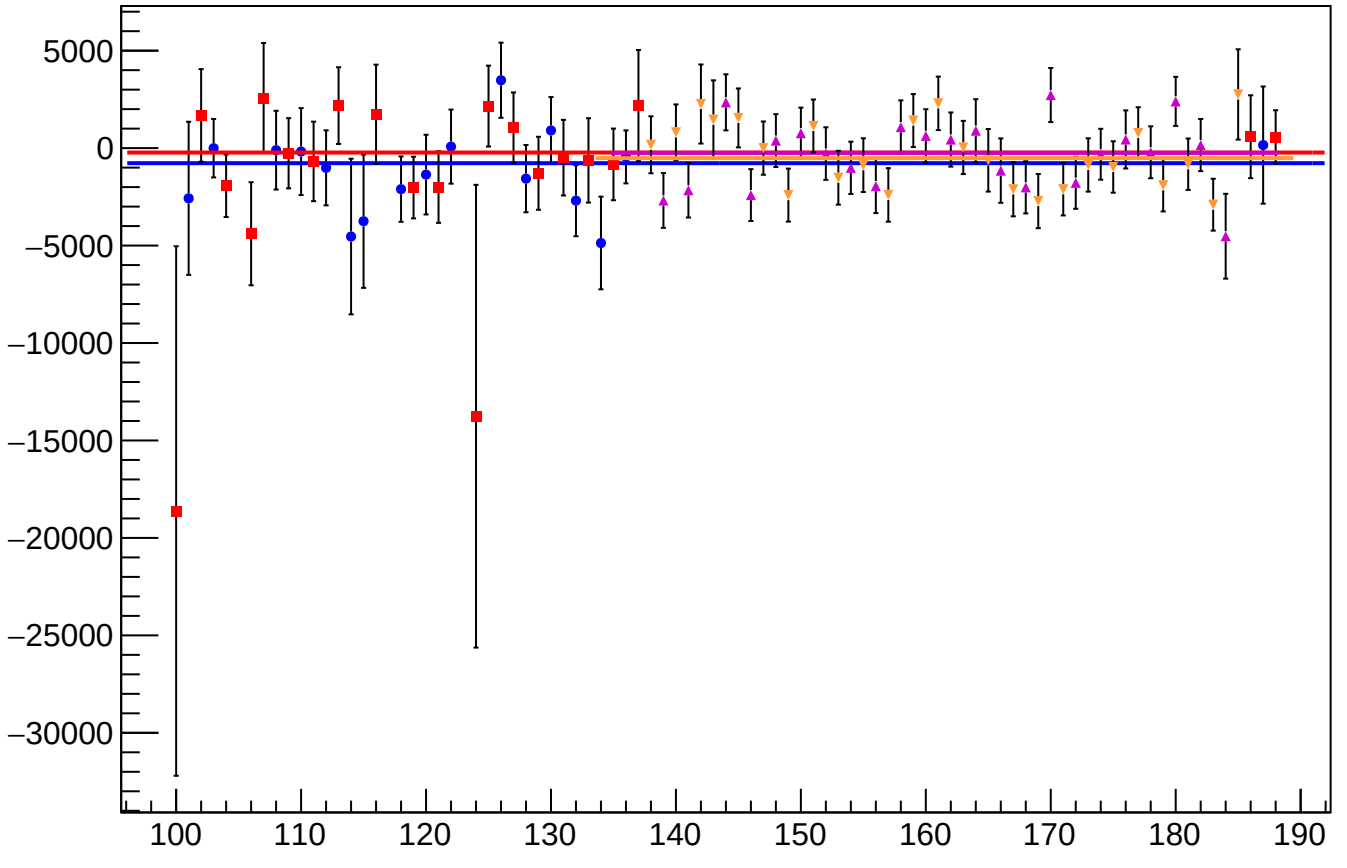
Left: 269.255+/-0.033 χ^2/NDF: 7526339.3/47

Right: 393.293+/-0.084 χ^2/NDF: 9430258.4/37

In: 287.178+/-0.044 χ^2/NDF:7940207.0/39

Out: 284.882+/-0.043 χ^2/NDF:10921633.7/45

All: 285.999+/-0.031 χ^2/NDF: 18863238.7/85



Right In: -772.460+/-481.168 χ^2/NDF: 13.5/16

Left Out: -514.430+/-285.945 χ^2/NDF:30.9/24

Right Out: -225.736+/-448.191 χ^2/NDF: 16.2/20

Left In: -242.663+/-291.166 χ^2/NDF:32.0/22

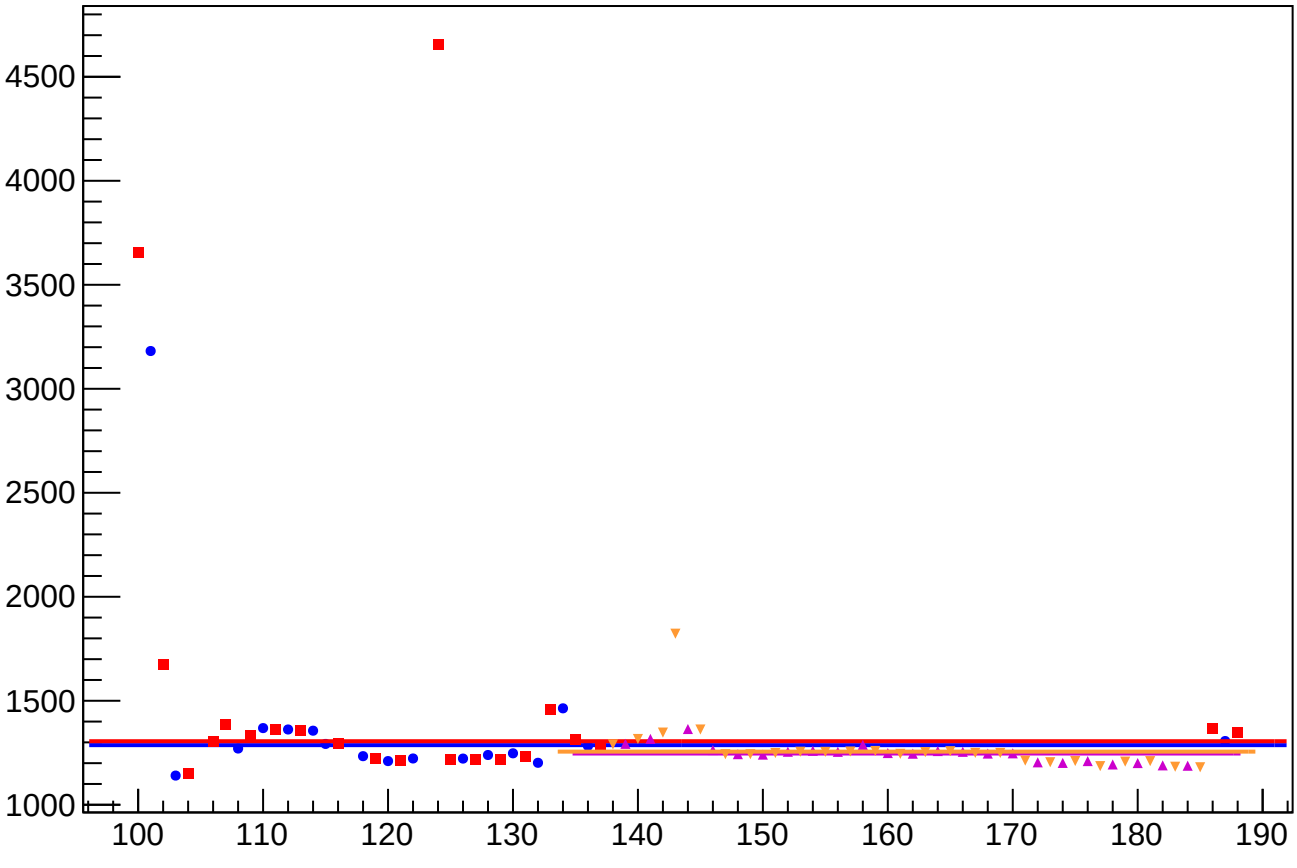
Left: -381.005+/-204.014 χ^2/NDF: 63.4/47

Right: -479.723+/-327.958 χ^2/NDF: 30.4/37

In: -384.664+/-249.108 χ^2/NDF:46.4/39

Out: -430.914+/-241.062 χ^2/NDF:47.4/45

All: -408.548+/-173.231 χ^2/NDF: 93.9/85



Right In: 1286.618+/-0.340 χ^2/NDF: 518217.7/16

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.0/24

Right Out: 1305.574+/-0.317 χ^2/NDF: 331644.9/20

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

Left: 1251.017+/-0.144 χ^2/NDF: 243988.6/47

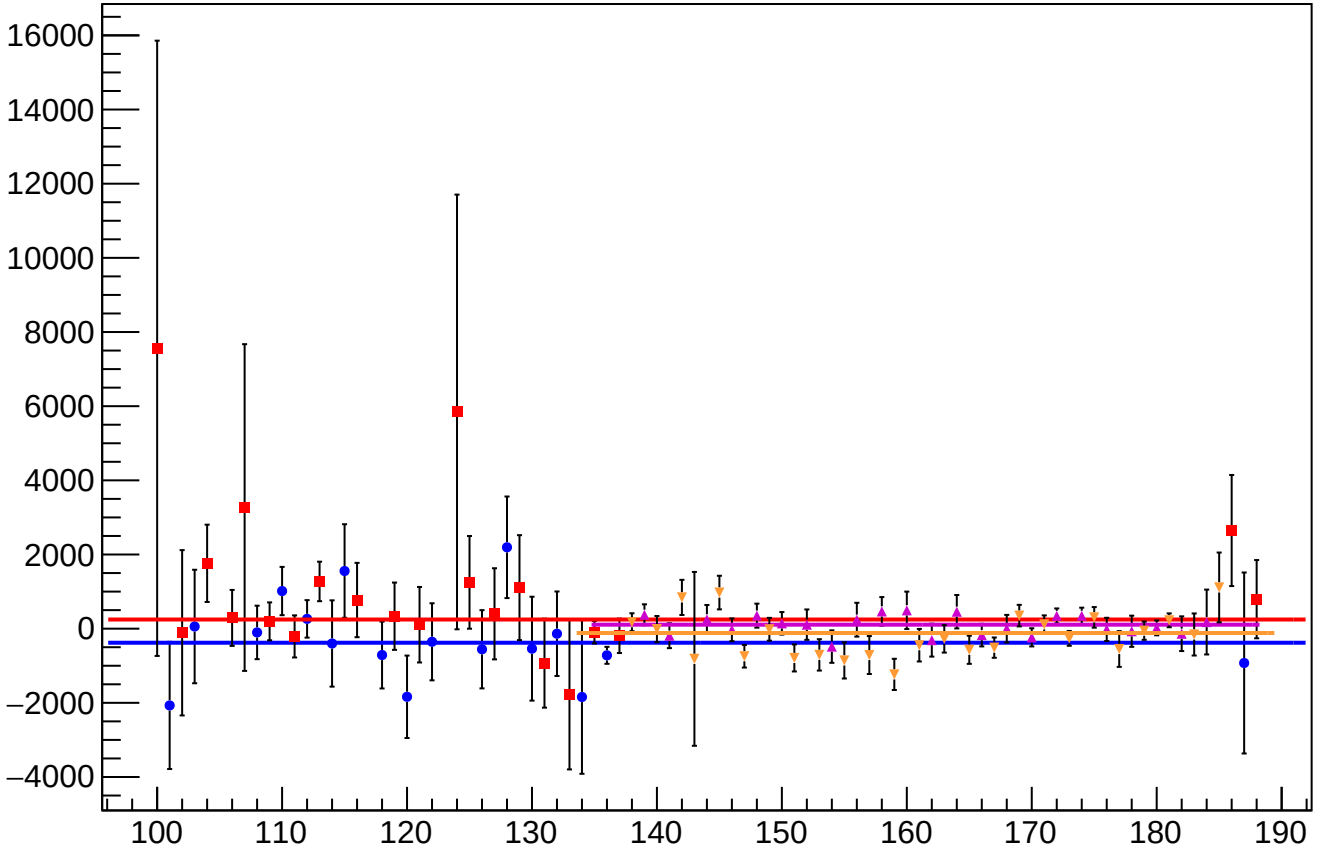
Right: 1296.768+/-0.232 χ^2/NDF: 851524.6/37

In: 1257.146+/-0.176 χ^2/NDF:568325.6/39

Out: 1269.996+/-0.170 χ^2/NDF:552501.9/45

All: 1263.782+/-0.122 χ^2/NDF: 1123575.5/85

asym_atl1r2_dd_atl2r1_dd_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -379.368+/-167.825 χ^2/NDF: 18.0/16

Left Out: -117.002+/-65.060 χ^2/NDF:48.4/24

Right Out: 246.976+/-166.203 χ^2/NDF: 17.0/20

Left In: 107.459+/-67.003 χ^2/NDF:13.7/22

Left: -8.072+/-46.676 χ^2/NDF: 68.0/47

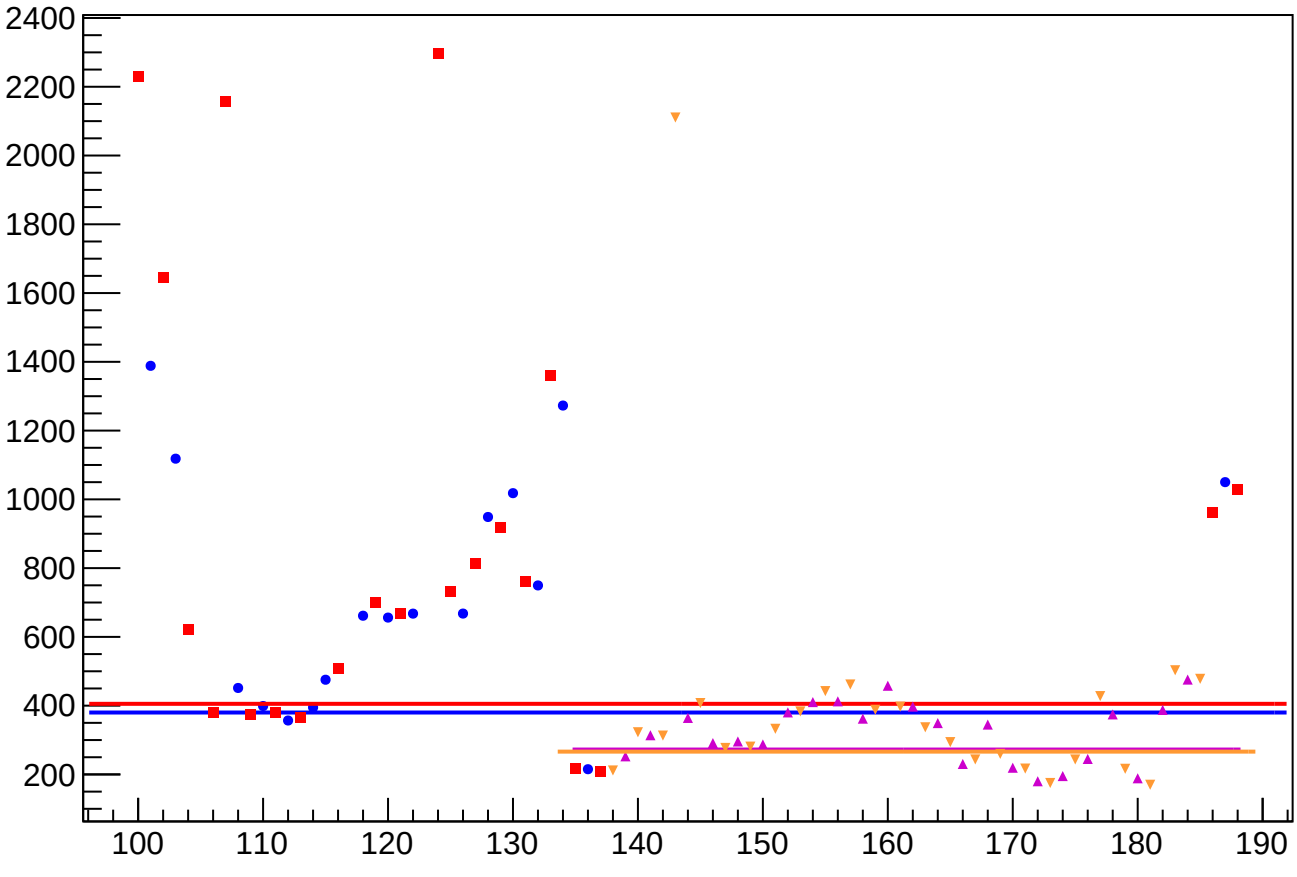
Right: -63.154+/-118.092 χ^2/NDF: 42.0/37

In: 40.530+/-62.227 χ^2/NDF:39.0/39

Out: -68.639+/-60.584 χ^2/NDF:69.6/45

All: -15.515+/-43.408 χ^2/NDF: 110.1/85

asym_atl1r2_dd_atl2r1_dd_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 380.068+/-0.119 χ^2/NDF: 4344840.6/16

Left Out: 266.326+/-0.046 χ^2/NDF:4630167.4/24

Right Out: 405.332+/-0.118 χ^2/NDF: 5072546.9/20

Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

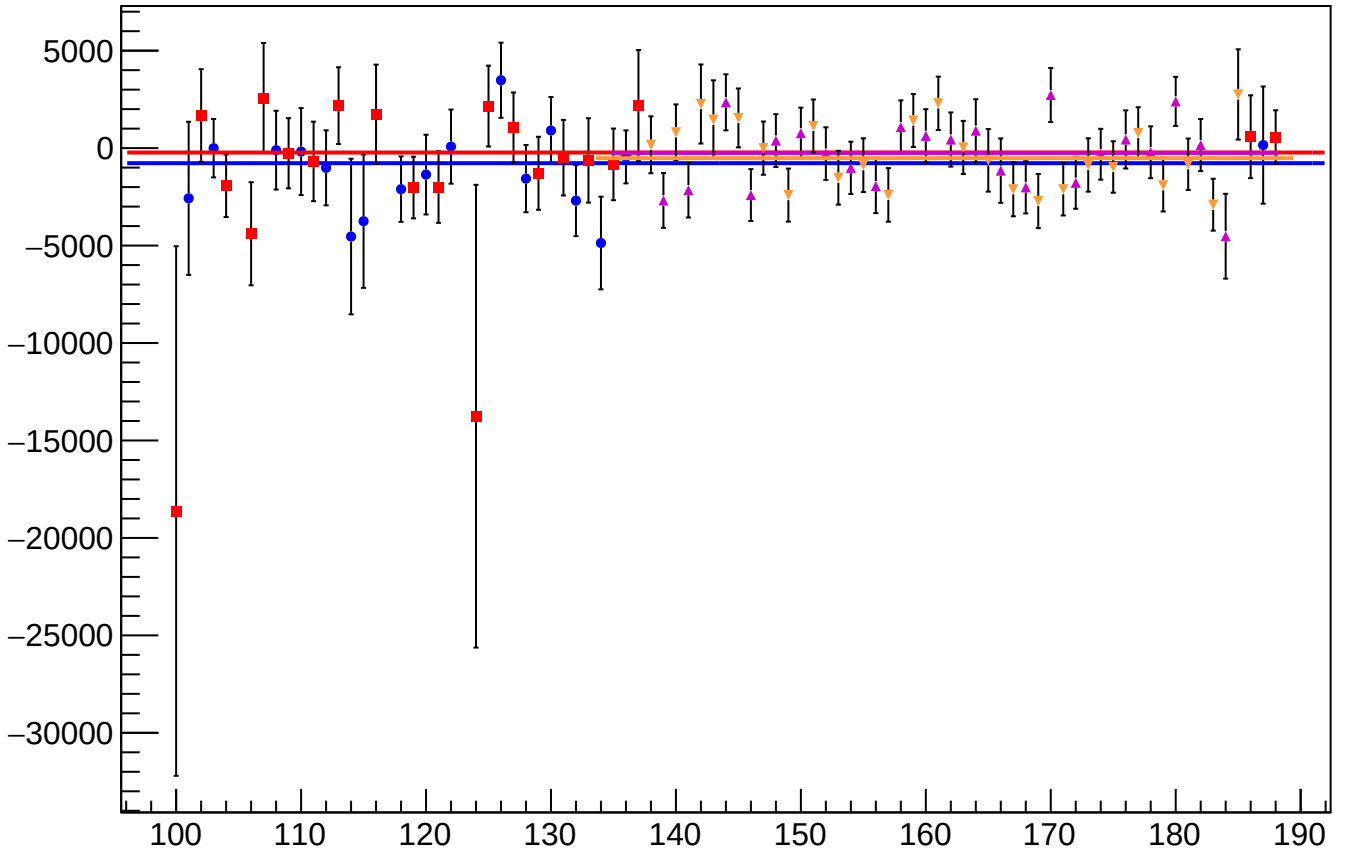
Left: 269.263+/-0.033 χ^2/NDF: 7526161.0/47

Right: 392.823+/-0.084 χ^2/NDF: 9440268.9/37

In: 287.183+/-0.044 χ^2/NDF:7942738.5/39

Out: 284.797+/-0.043 χ^2/NDF:10915829.6/45

All: 285.958+/-0.031 χ^2/NDF: 18860078.2/85



Right In: -772.460+/-481.168 χ^2/NDF: 13.5/16

Left Out: -514.430+/-285.945 χ^2/NDF:30.9/24

Right Out: -225.736+/-448.191 χ^2/NDF: 16.2/20

Left In: -242.663+/-291.166 χ^2/NDF:32.0/22

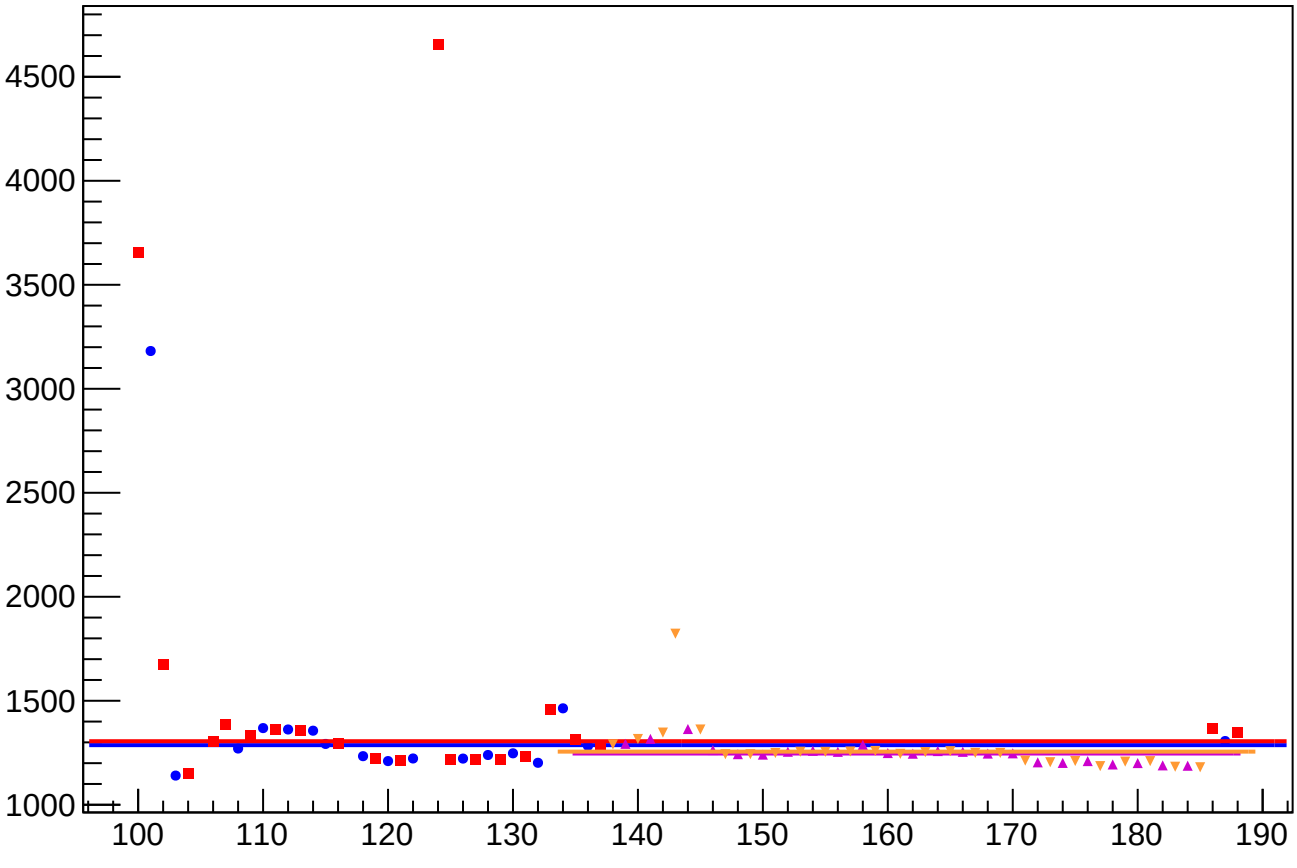
Left: -381.005+/-204.014 χ^2/NDF: 63.4/47

Right: -479.723+/-327.958 χ^2/NDF: 30.4/37

In: -384.664+/-249.108 χ^2/NDF:46.4/39

Out: -430.914+/-241.062 χ^2/NDF:47.4/45

All: -408.548+/-173.231 χ^2/NDF: 93.9/85



Right In: 1286.618+/-0.340 χ^2/NDF: 518217.7/16

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.0/24

Right Out: 1305.574+/-0.317 χ^2/NDF: 331644.9/20

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

Left: 1251.017+/-0.144 χ^2/NDF: 243988.6/47

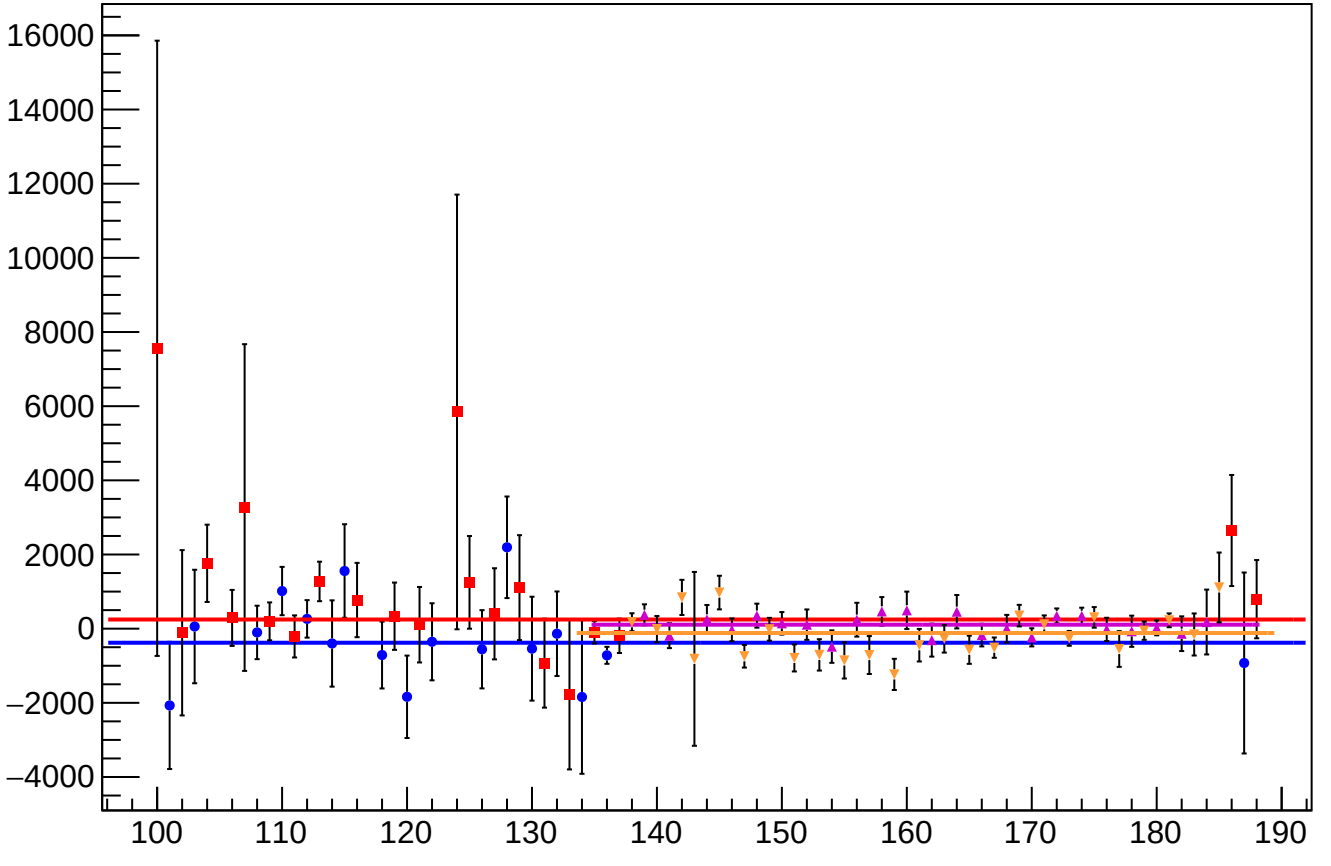
Right: 1296.768+/-0.232 χ^2/NDF: 851524.6/37

In: 1257.146+/-0.176 χ^2/NDF:568325.6/39

Out: 1269.996+/-0.170 χ^2/NDF:552501.9/45

All: 1263.782+/-0.122 χ^2/NDF: 1123575.5/85

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -379.368+/-167.825 χ^2/NDF: 18.0/16

Left Out: -117.002+/-65.060 χ^2/NDF:48.4/24

Right Out: 246.976+/-166.203 χ^2/NDF: 17.0/20

Left In: 107.459+/-67.003 χ^2/NDF:13.7/22

Left: -8.072+/-46.676 χ^2/NDF: 68.0/47

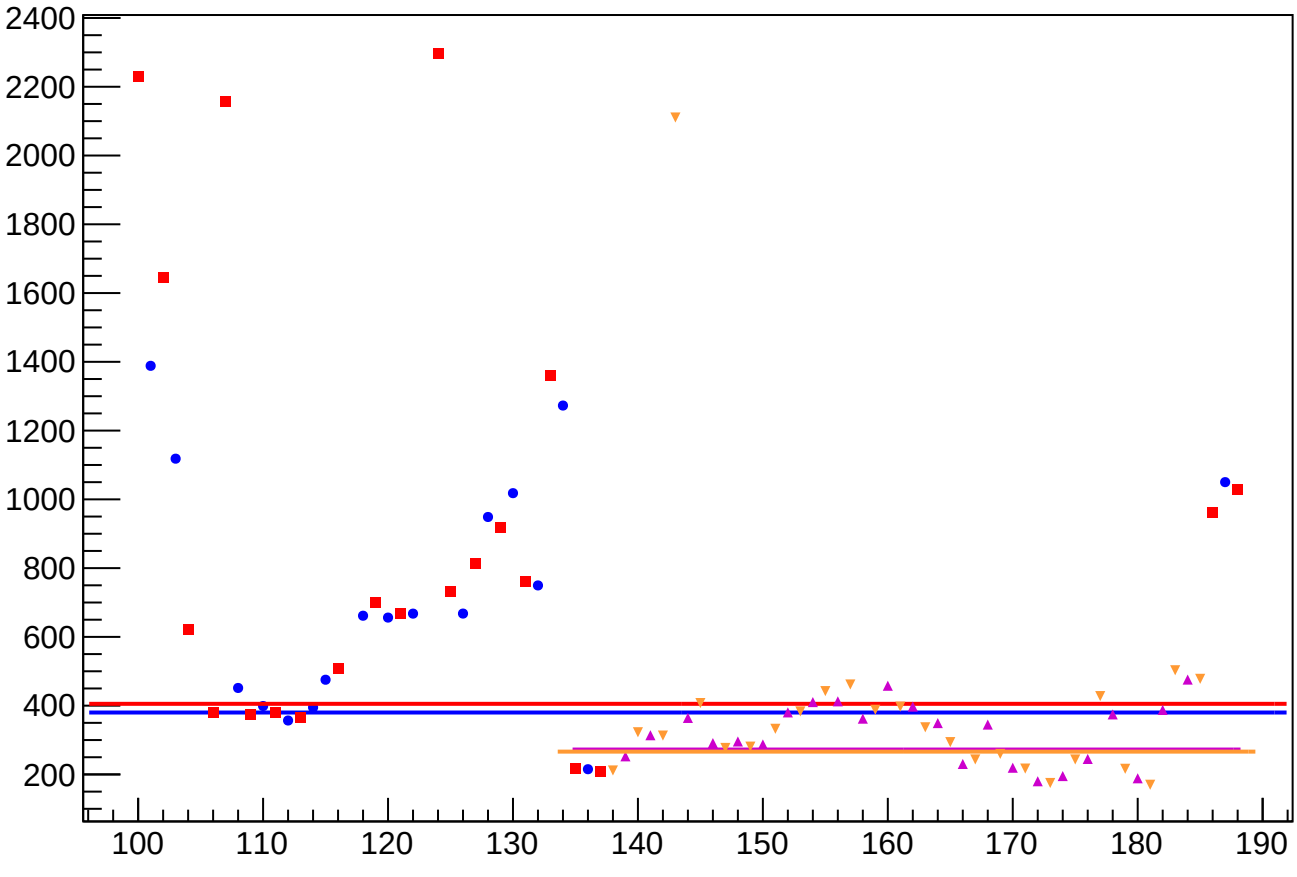
Right: -63.154+/-118.092 χ^2/NDF: 42.0/37

In: 40.530+/-62.227 χ^2/NDF:39.0/39

Out: -68.639+/-60.584 χ^2/NDF:69.6/45

All: -15.515+/-43.408 χ^2/NDF: 110.1/85

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 380.068+/-0.119 χ^2/NDF: 4344840.6/16

Left Out: 266.326+/-0.046 χ^2/NDF:4630167.4/24

Right Out: 405.332+/-0.118 χ^2/NDF: 5072546.9/20

Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

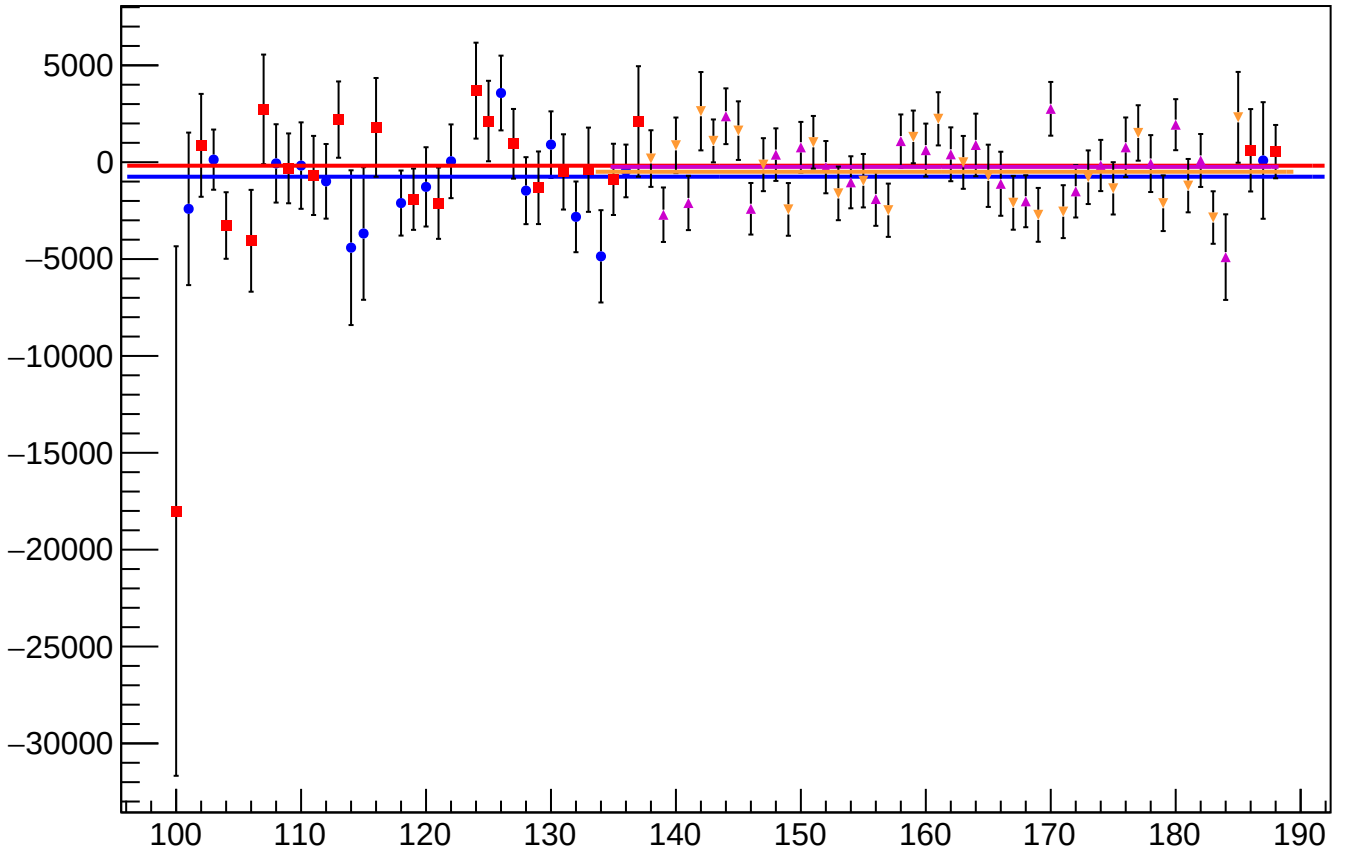
Left: 269.263+/-0.033 χ^2/NDF: 7526161.0/47

Right: 392.823+/-0.084 χ^2/NDF: 9440268.9/37

In: 287.183+/-0.044 χ^2/NDF:7942738.5/39

Out: 284.797+/-0.043 χ^2/NDF:10915829.6/45

All: 285.958+/-0.031 χ^2/NDF: 18860078.2/85



Right In: -749.322+/-483.249 χ^2/NDF: 13.7/16

Left Out: -493.436+/-282.734 χ^2/NDF:34.2/24

Right Out: -180.946+/-445.342 χ^2/NDF: 18.4/20

Left In: -242.004+/-294.339 χ^2/NDF:30.7/22

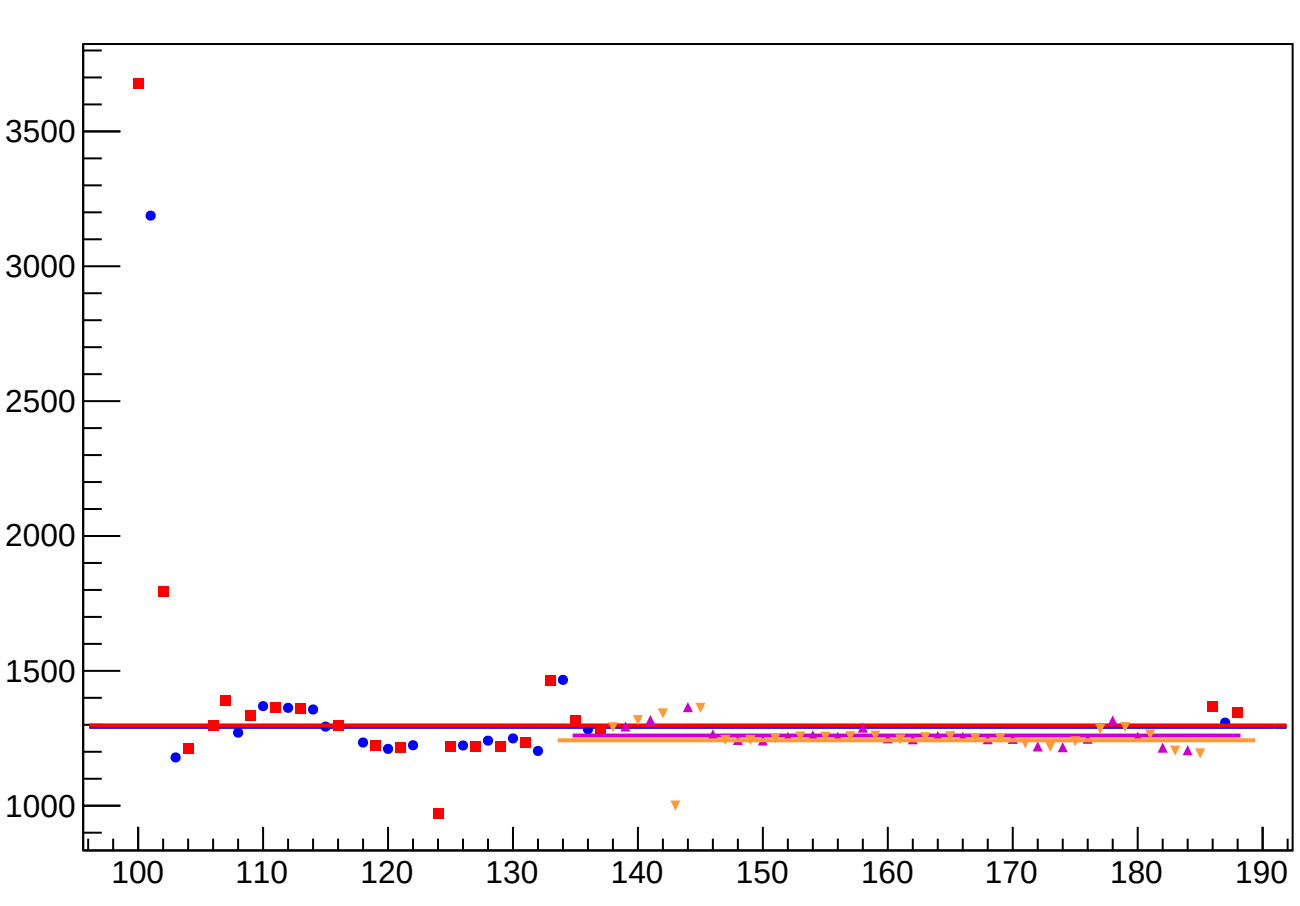
Left: -372.774+/-203.903 χ^2/NDF: 65.3/47

Right: -441.970+/-327.487 χ^2/NDF: 32.9/37

In: -379.282+/-251.381 χ^2/NDF:45.2/39

Out: -403.666+/-238.693 χ^2/NDF:53.0/45

All: -392.105+/-173.093 χ^2/NDF: 98.2/85



Right In: 1292.449+/-0.342 χ^2/NDF: 509461.0/16

Left Out: 1242.539+/-0.200 χ^2/NDF:130023.1/24

Right Out: 1297.624+/-0.315 χ^2/NDF: 214720.2/20

Left In: 1260.094+/-0.208 χ^2/NDF:27932.1/22

Left: 1250.964+/-0.144 χ^2/NDF: 161655.2/47

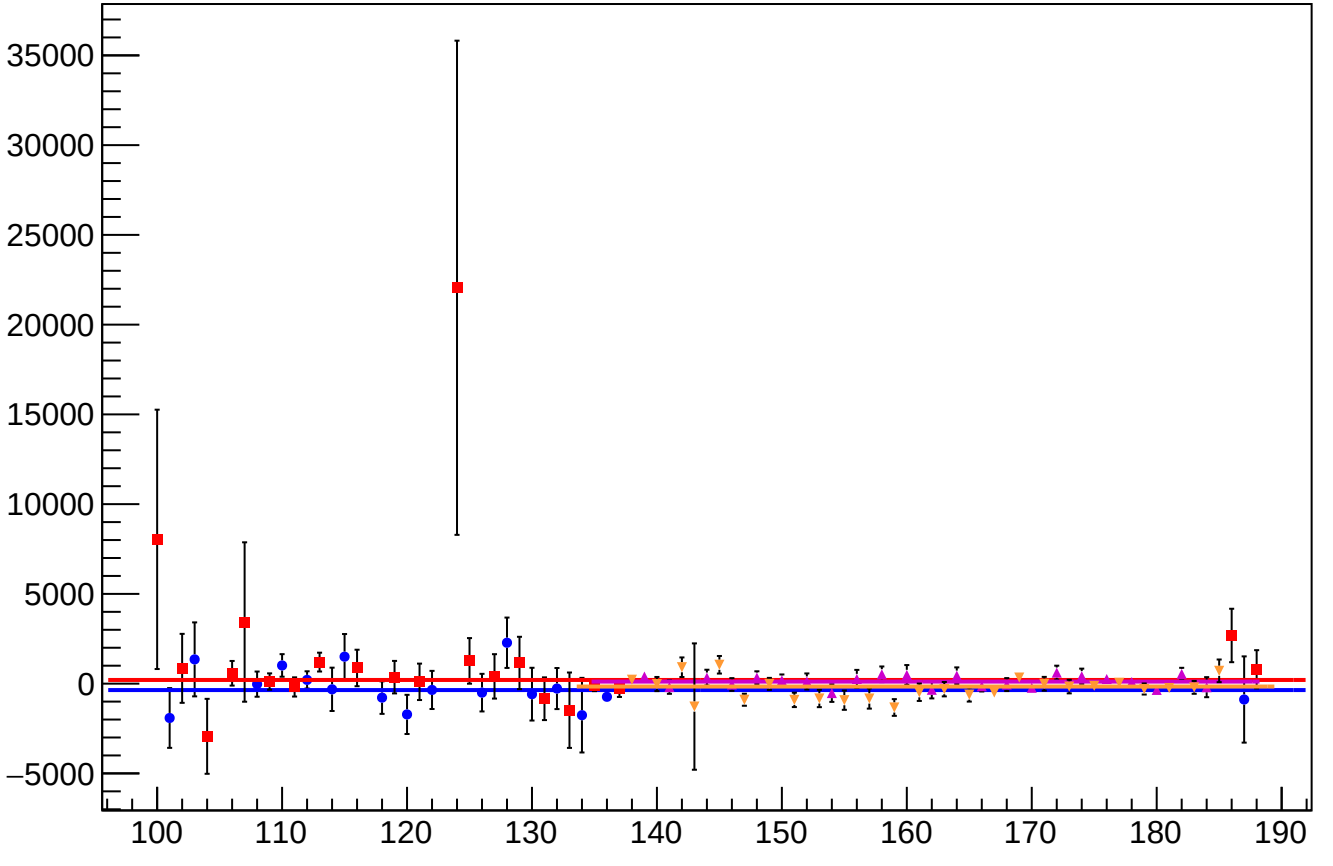
Right: 1295.248+/-0.232 χ^2/NDF: 724305.3/37

In: 1268.849+/-0.178 χ^2/NDF:543932.8/39

Out: 1258.364+/-0.169 χ^2/NDF:366552.0/45

All: 1263.335+/-0.122 χ^2/NDF: 912314.7/85

asym_atl1r2_dd_atl2r1_dd_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -357.857+/-169.547 χ^2/NDF: 18.5/16

Left Out: -160.930+/-64.133 χ^2/NDF:43.8/24

Right Out: 205.206+/-166.501 χ^2/NDF: 19.0/20

Left In: 113.722+/-68.841 χ^2/NDF:18.2/22

Left: -33.316+/-46.925 χ^2/NDF: 70.5/47

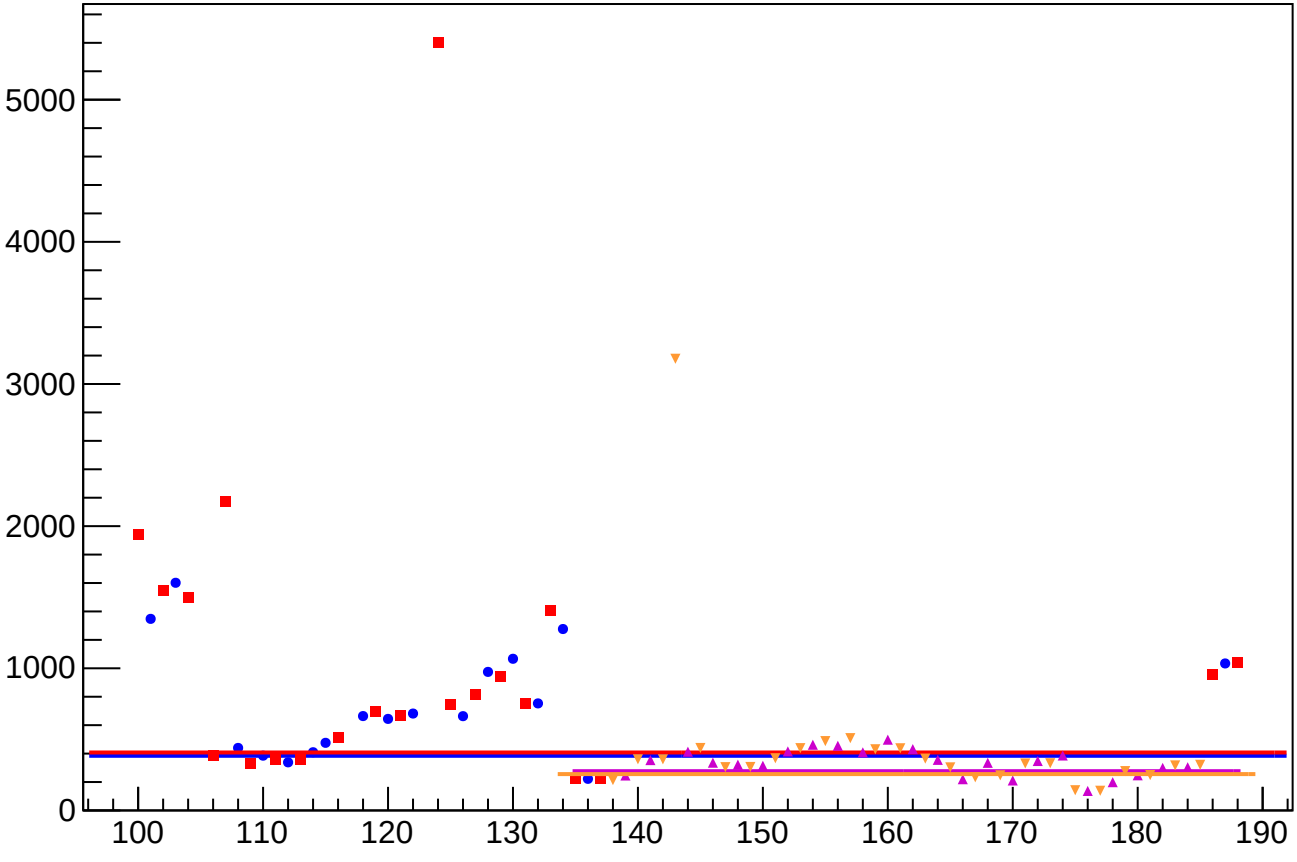
Right: -71.223+/-118.796 χ^2/NDF: 43.1/37

In: 46.981+/-63.783 χ^2/NDF:43.3/39

Out: -113.627+/-59.847 χ^2/NDF:67.0/45

All: -38.432+/-43.643 χ^2/NDF: 113.7/85

asym_atl1r2_dd_atl2r1_dd_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 384.601+/-0.120 χ^2/NDF: 4464871.9/16

Left Out: 255.768+/-0.045 χ^2/NDF:6373929.4/24

Right Out: 407.821+/-0.118 χ^2/NDF: 5574336.4/20

Left In: 276.298+/-0.049 χ^2/NDF:4027410.5/22

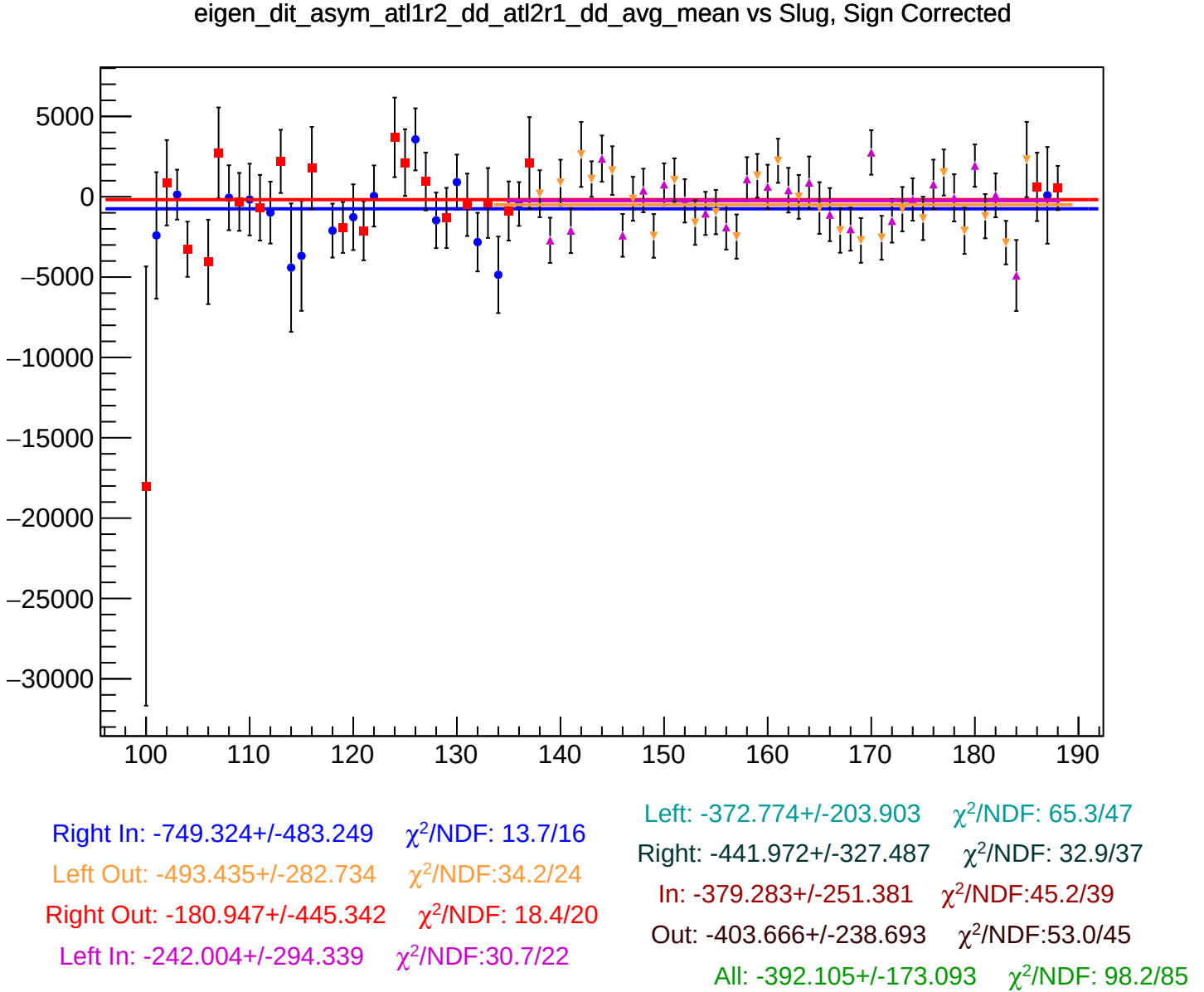
Left: 265.307+/-0.033 χ^2/NDF: 10496569.7/47

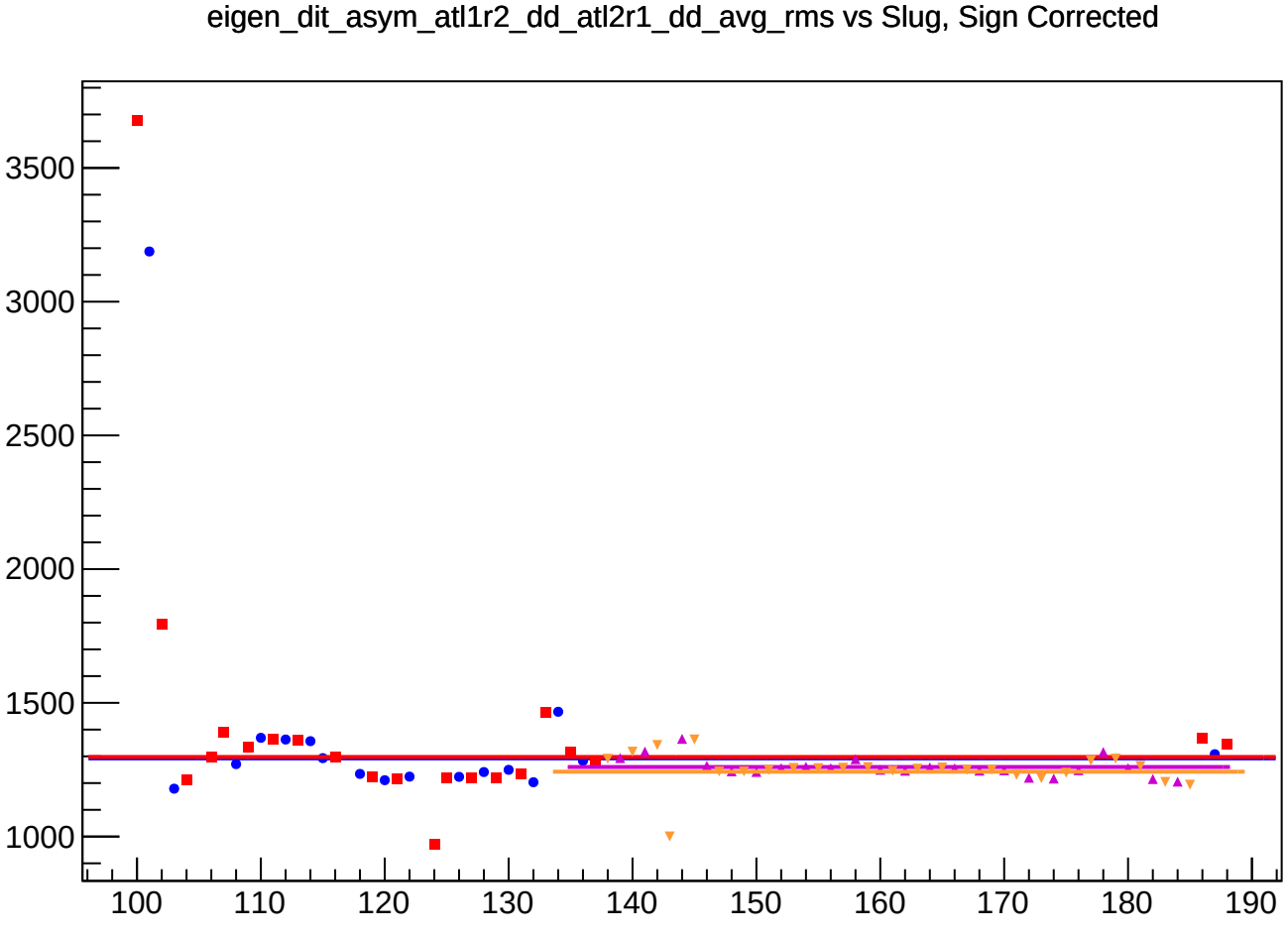
Right: 396.421+/-0.084 χ^2/NDF: 10058304.7/37

In: 291.626+/-0.045 χ^2/NDF:9192856.7/39

Out: 275.413+/-0.042 χ^2/NDF:13400729.8/45

All: 283.004+/-0.031 χ^2/NDF: 22662312.0/85


eigen_dit_asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
−30000
100
110
120
130
140
150
160
170
180
190
Right In: -749.324+/-483.249 χ²/NDF: 13.7/16
Left Out: -493.435+/-282.734 χ²/NDF:34.2/24
Right Out: -180.947+/-445.342 χ²/NDF: 18.4/20
Left In: -242.004+/-294.339 χ²/NDF:30.7/22
Left: -372.774+/-203.903 χ²/NDF: 65.3/47
Right: -441.972+/-327.487 χ²/NDF: 32.9/37
In: -379.283+/-251.381 χ²/NDF:45.2/39
Out: -403.666+/-238.693 χ²/NDF:53.0/45
All: -392.105+/-173.093 χ²/NDF: 98.2/85



Right In: 1292.449+/-0.342 χ^2/NDF: 509461.0/16

Left Out: 1242.539+/-0.200 χ^2/NDF:130022.2/24

Right Out: 1297.624+/-0.315 χ^2/NDF: 214720.5/20

Left In: 1260.094+/-0.208 χ^2/NDF:27932.2/22

Left: 1250.964+/-0.144 χ^2/NDF: 161654.3/47

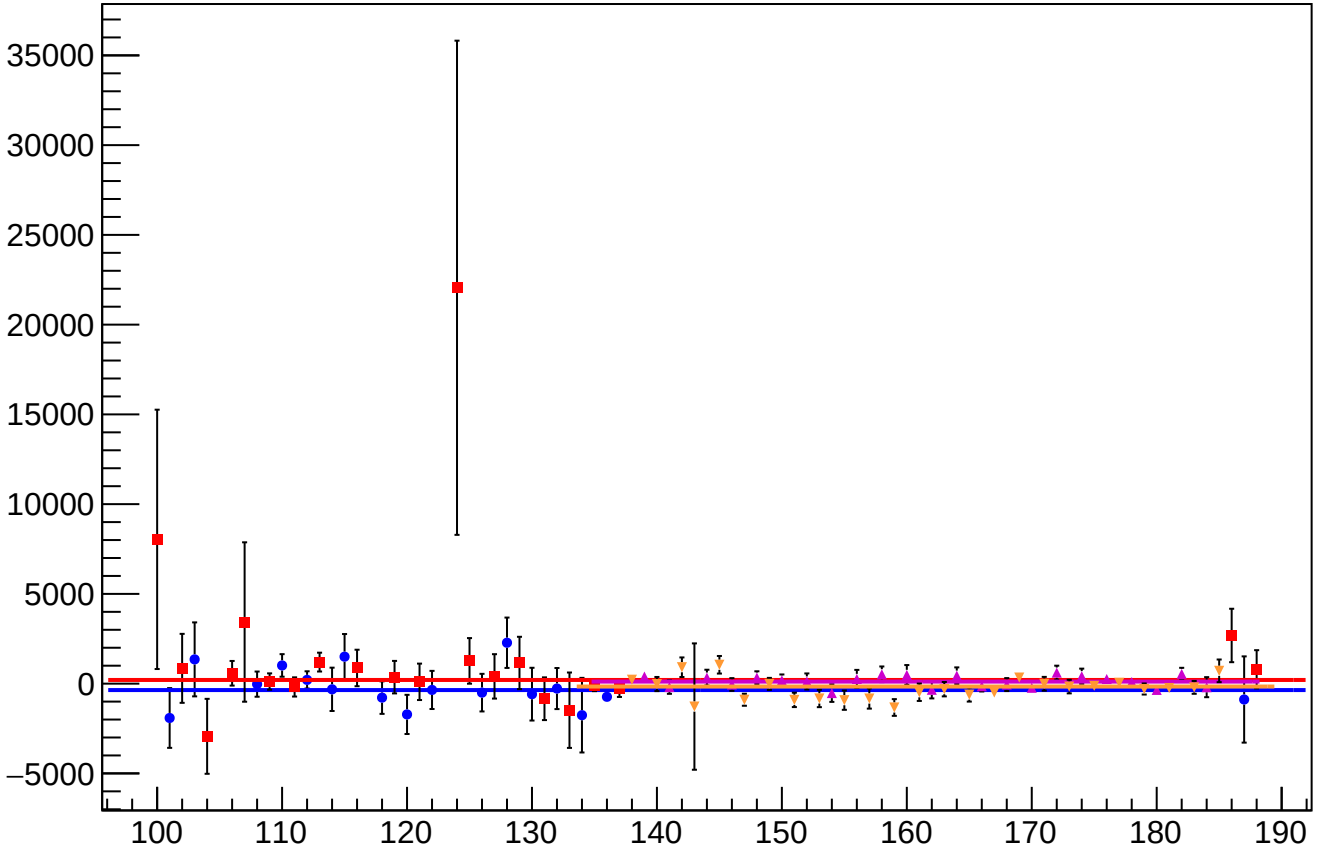
Right: 1295.248+/-0.232 χ^2/NDF: 724305.5/37

In: 1268.849+/-0.178 χ^2/NDF:543932.8/39

Out: 1258.364+/-0.169 χ^2/NDF:366551.4/45

All: 1263.335+/-0.122 χ^2/NDF: 912314.1/85

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -357.857+/-169.550 χ^2/NDF: 18.5/16

Left Out: -160.933+/-64.133 χ^2/NDF:43.8/24

Right Out: 205.213+/-166.503 χ^2/NDF: 19.0/20

Left In: 113.720+/-68.841 χ^2/NDF:18.2/22

Left: -33.318+/-46.925 χ^2/NDF: 70.5/47

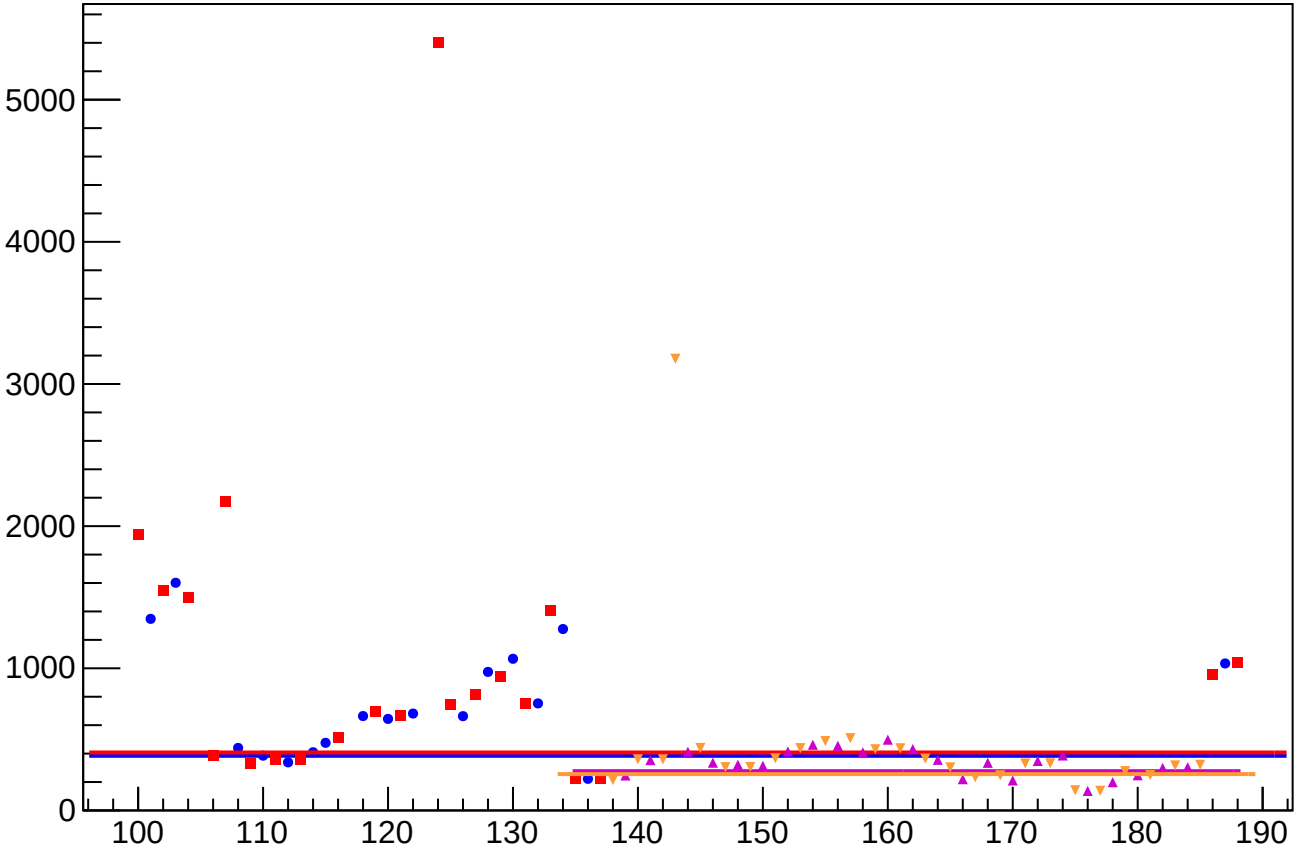
Right: -71.218+/-118.798 χ^2/NDF: 43.1/37

In: 46.981+/-63.784 χ^2/NDF:43.3/39

Out: -113.630+/-59.847 χ^2/NDF:67.0/45

All: -38.433+/-43.644 χ^2/NDF: 113.7/85

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 384.611+/-0.120 χ^2/NDF: 4464683.2/16

Left Out: 255.770+/-0.045 χ^2/NDF:6373829.7/24

Right Out: 407.829+/-0.118 χ^2/NDF: 5574173.8/20

Left In: 276.299+/-0.049 χ^2/NDF:4027371.0/22

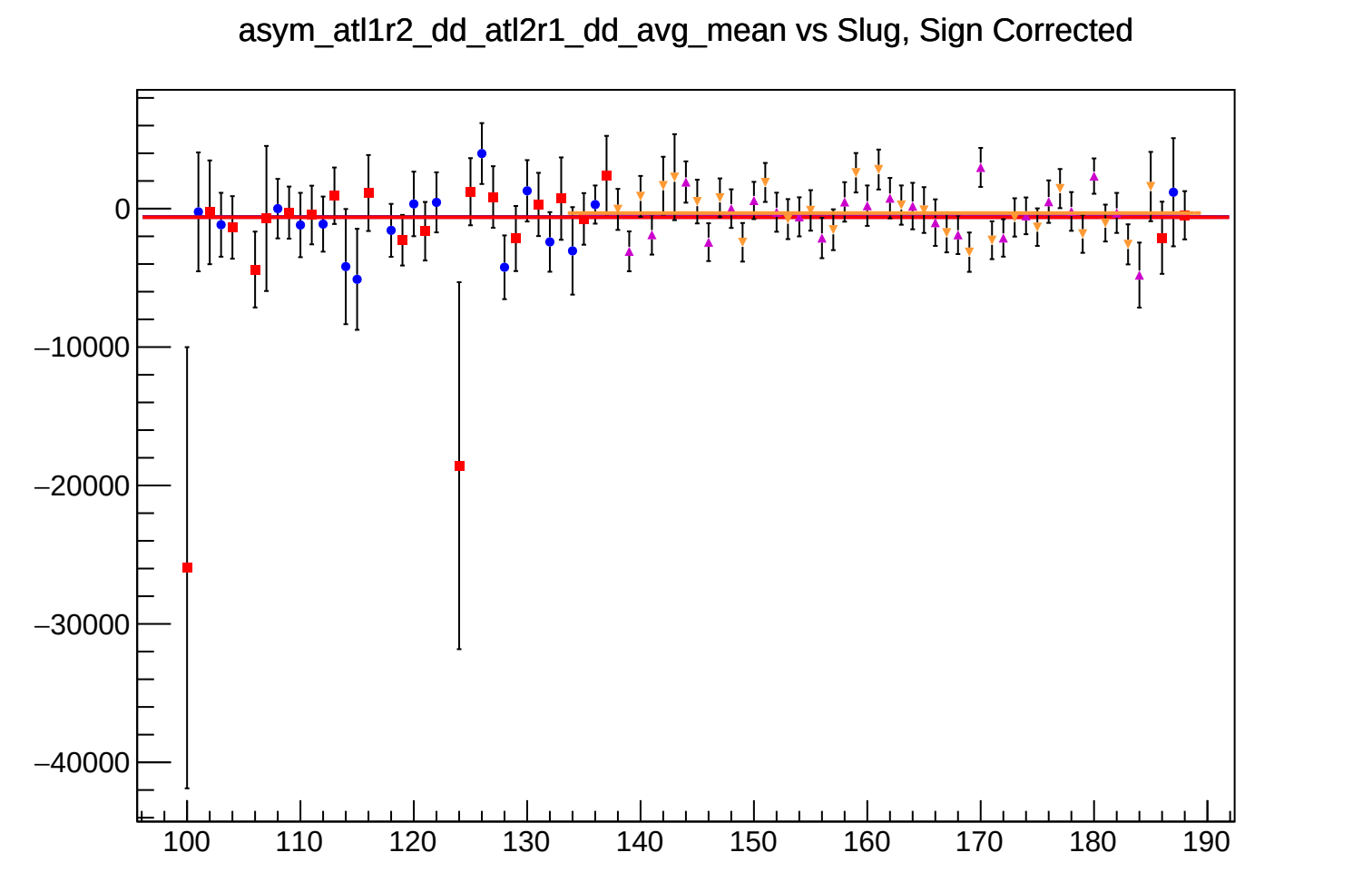
Left: 265.308+/-0.033 χ^2/NDF: 10496422.7/47

Right: 396.430+/-0.084 χ^2/NDF: 10057949.4/37

In: 291.627+/-0.045 χ^2/NDF:9192732.2/39

Out: 275.415+/-0.042 χ^2/NDF:13400563.7/45

All: 283.005+/-0.031 χ^2/NDF: 22662017.2/85



Right In: -603.500+/-558.568 χ^2/NDF: 12.7/16

Left Out: -319.744+/-298.271 χ^2/NDF:31.6/24

Right Out: -622.044+/-527.838 χ^2/NDF: 11.7/20

Left In: -356.387+/-301.902 χ^2/NDF:29.7/22

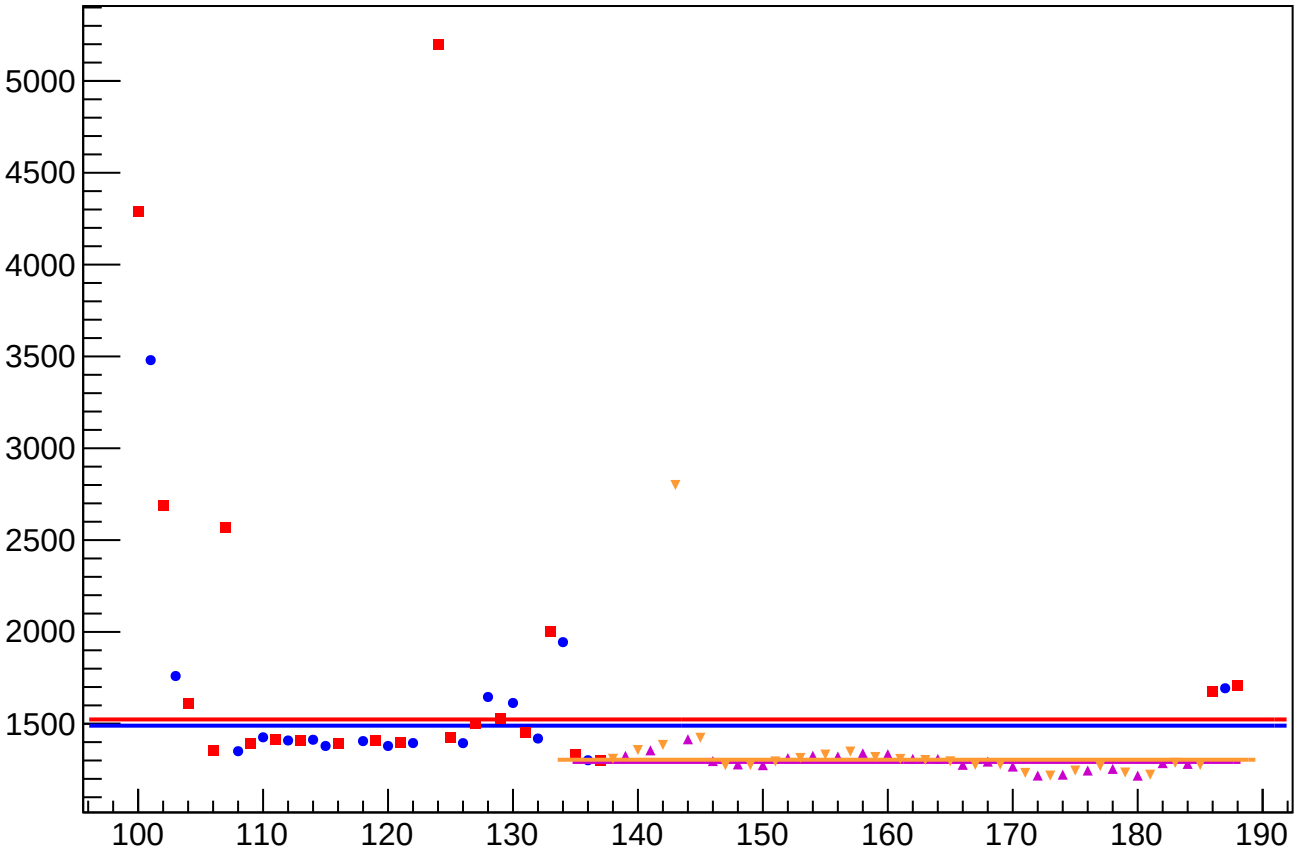
Left: -337.843+/-212.182 χ^2/NDF: 61.2/47

Right: -613.296+/-383.642 χ^2/NDF: 24.4/37

In: -412.256+/-265.591 χ^2/NDF:42.5/39

Out: -392.910+/-259.679 χ^2/NDF:43.5/45

All: -402.365+/-185.675 χ^2/NDF: 86.0/85



Right In: 1489.621+/-0.395 χ^2/NDF: 590020.8/16

Left Out: 1304.156+/-0.211 χ^2/NDF:519609.1/24

Right Out: 1523.482+/-0.373 χ^2/NDF: 656715.2/20

Left In: 1292.123+/-0.213 χ^2/NDF:48343.1/22

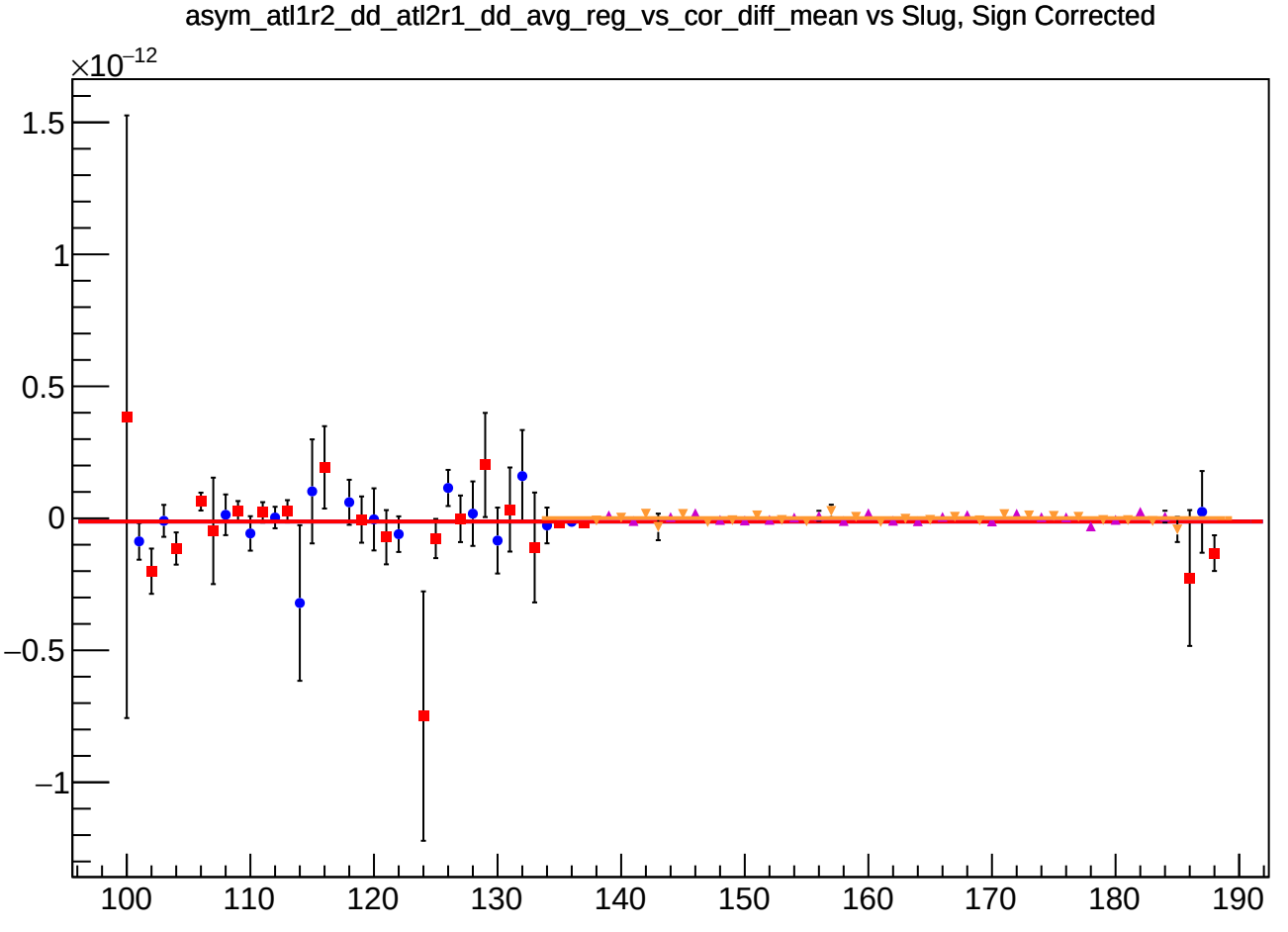
Left: 1298.212+/-0.150 χ^2/NDF: 569560.1/47

Right: 1507.509+/-0.271 χ^2/NDF: 1250618.7/37

In: 1336.775+/-0.188 χ^2/NDF:831871.3/39

Out: 1357.240+/-0.184 χ^2/NDF:1438060.3/45

All: 1347.238+/-0.131 χ^2/NDF: 2276002.9/85



Right In: -0.000+/-0.000 χ^2/NDF: 9.5/16

Left Out: 0.000+/-0.000 χ^2/NDF:24.3/24

Right Out: -0.000+/-0.000 χ^2/NDF: 26.2/20

Left In: -0.000+/-0.000 χ^2/NDF:29.6/22

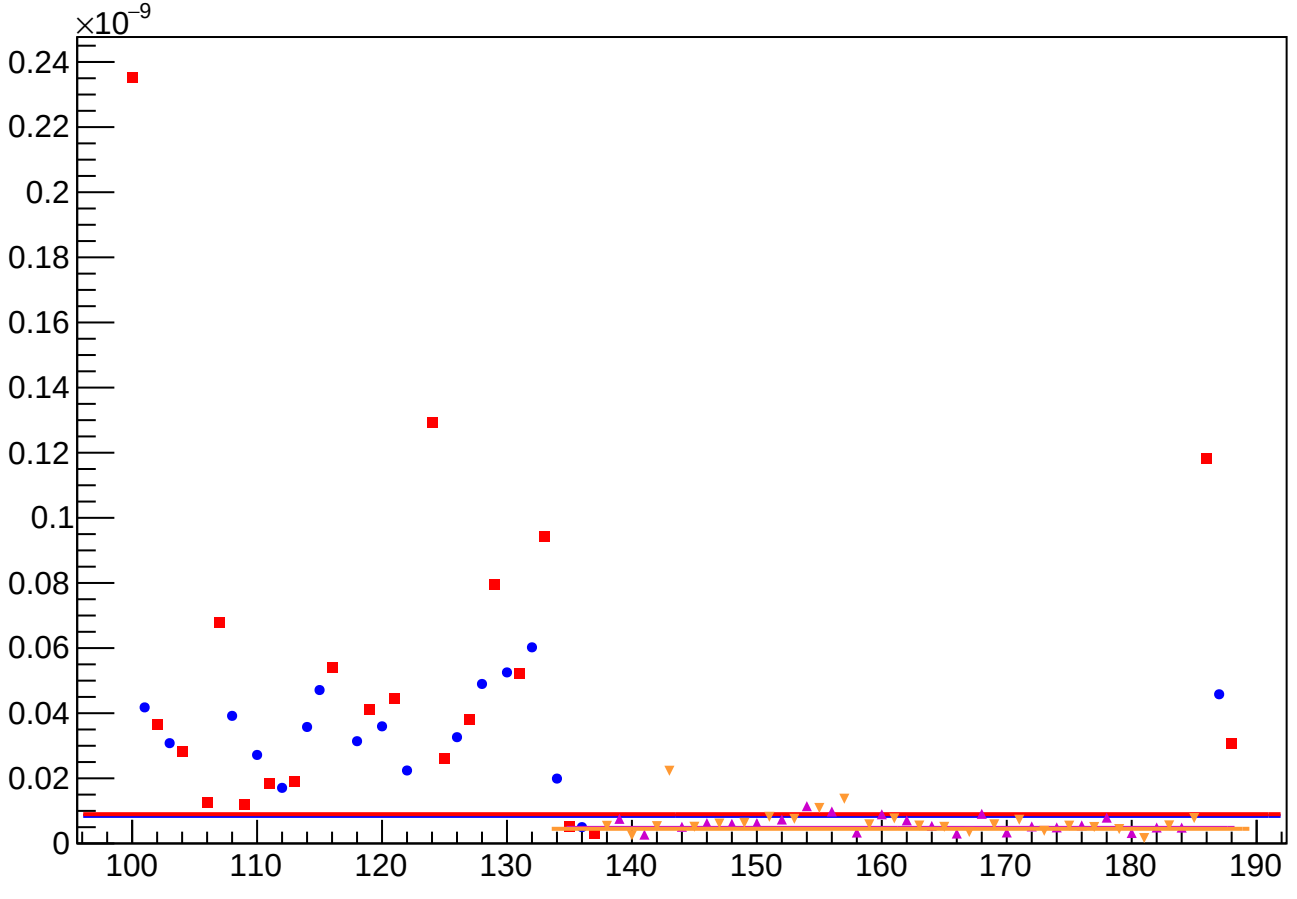
Left: -0.000+/-0.000 χ^2/NDF: 54.2/47

Right: -0.000+/-0.000 χ^2/NDF: 35.7/37

In: -0.000+/-0.000 χ^2/NDF:41.3/39

Out: -0.000+/-0.000 χ^2/NDF:52.9/45

All: -0.000+/-0.000 χ^2/NDF: 94.6/85



Right In: 0.000+/-0.000 χ^2/NDF: 3176393.8/16

Left Out: 0.000+/-0.000 χ^2/NDF:2715297.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3922083.4/20

Left In: 0.000+/-0.000 χ^2/NDF:1884808.0/22

Left: 0.000+/-0.000 χ^2/NDF: 4620695.3/47

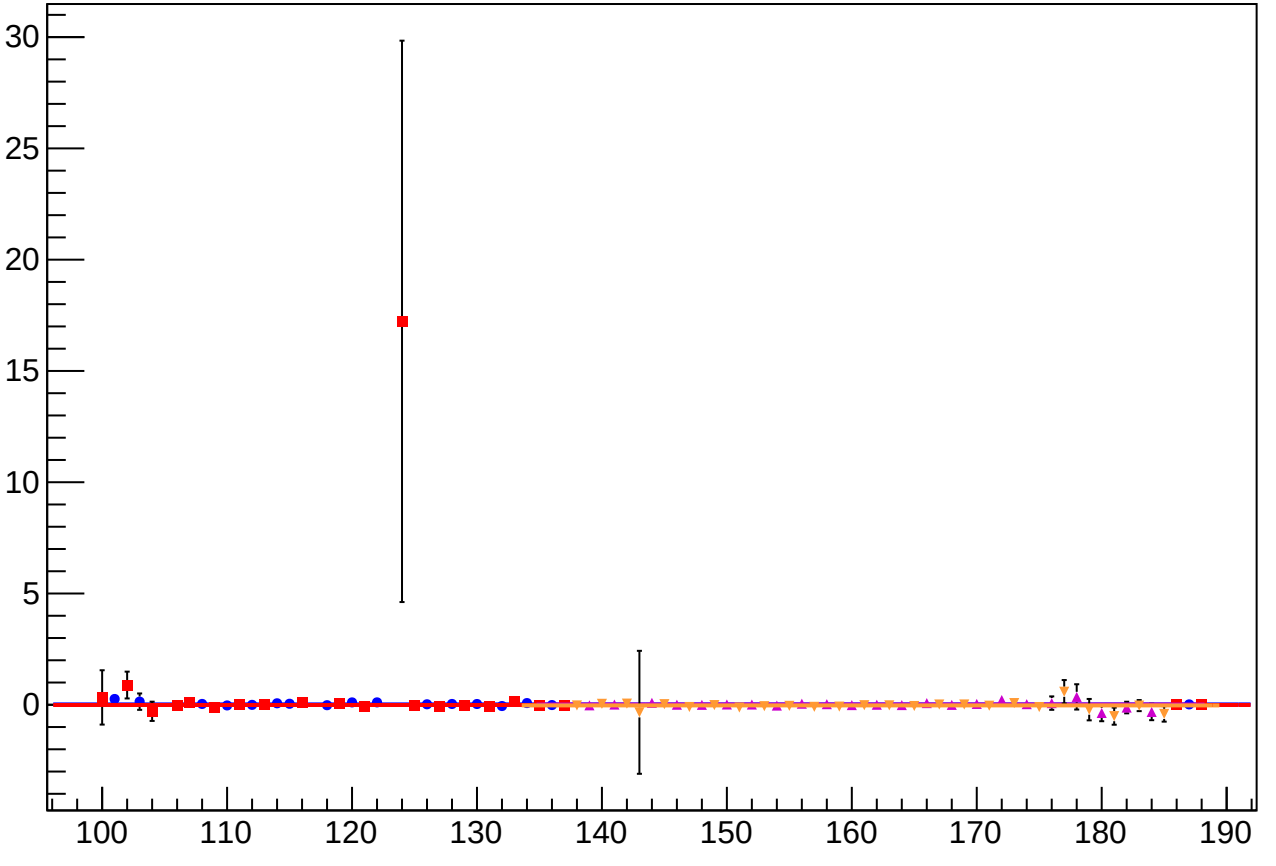
Right: 0.000+/-0.000 χ^2/NDF: 7103139.3/37

In: 0.000+/-0.000 χ^2/NDF:5520824.1/39

Out: 0.000+/-0.000 χ^2/NDF:7240495.8/45

All: 0.000+/-0.000 χ^2/NDF: 12785873.0/85

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/16

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: -0.009+/-0.014 χ^2/NDF: 16.5/20

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

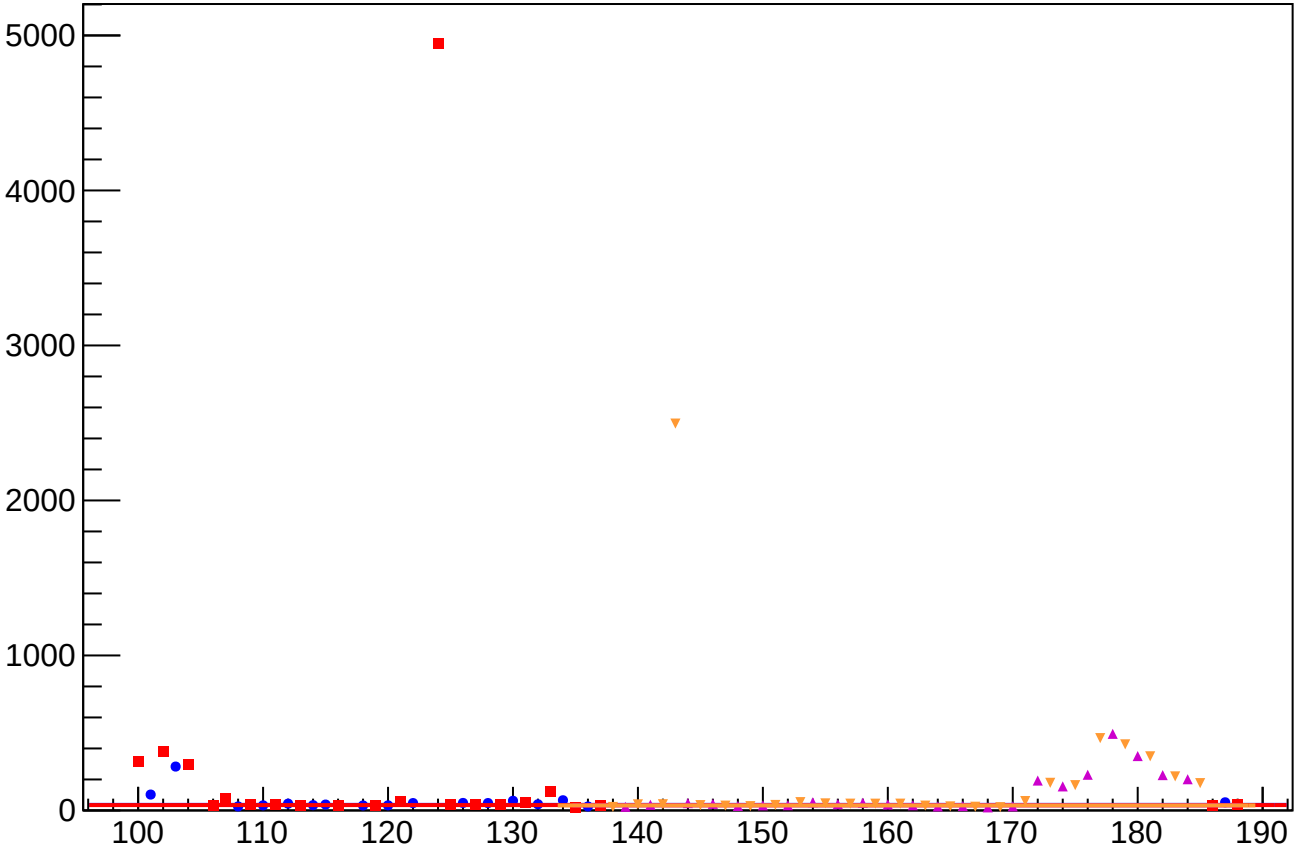
Right: 0.003+/-0.010 χ^2/NDF: 29.5/37

In: 0.012+/-0.008 χ^2/NDF:24.8/39

Out: -0.022+/-0.008 χ^2/NDF:45.8/45

All: -0.005+/-0.006 χ^2/NDF: 79.9/85

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 35.994+/-0.011 χ^2/NDF: 2300275.3/16

Left Out: 32.551+/-0.007 χ^2/NDF:10871758.1/24

Right Out: 34.604+/-0.010 χ^2/NDF: 2943325.9/20

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

Left: 32.645+/-0.005 χ^2/NDF: 19835386.0/47

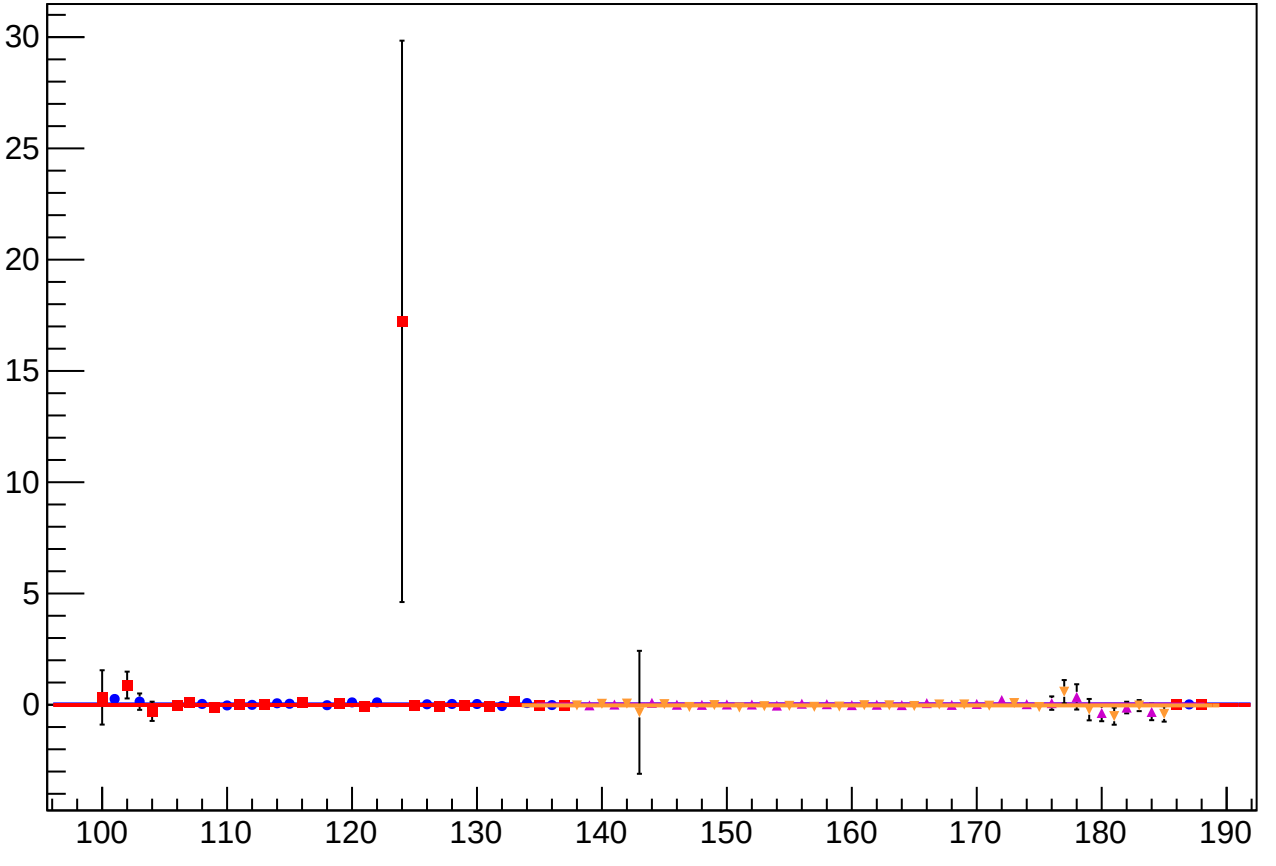
Right: 35.240+/-0.007 χ^2/NDF: 5252526.0/37

In: 33.642+/-0.006 χ^2/NDF:11328692.6/39

Out: 33.195+/-0.006 χ^2/NDF:13844256.9/45

All: 33.413+/-0.004 χ^2/NDF: 25176085.3/85

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/16

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: -0.009+/-0.014 χ^2/NDF: 16.5/20

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

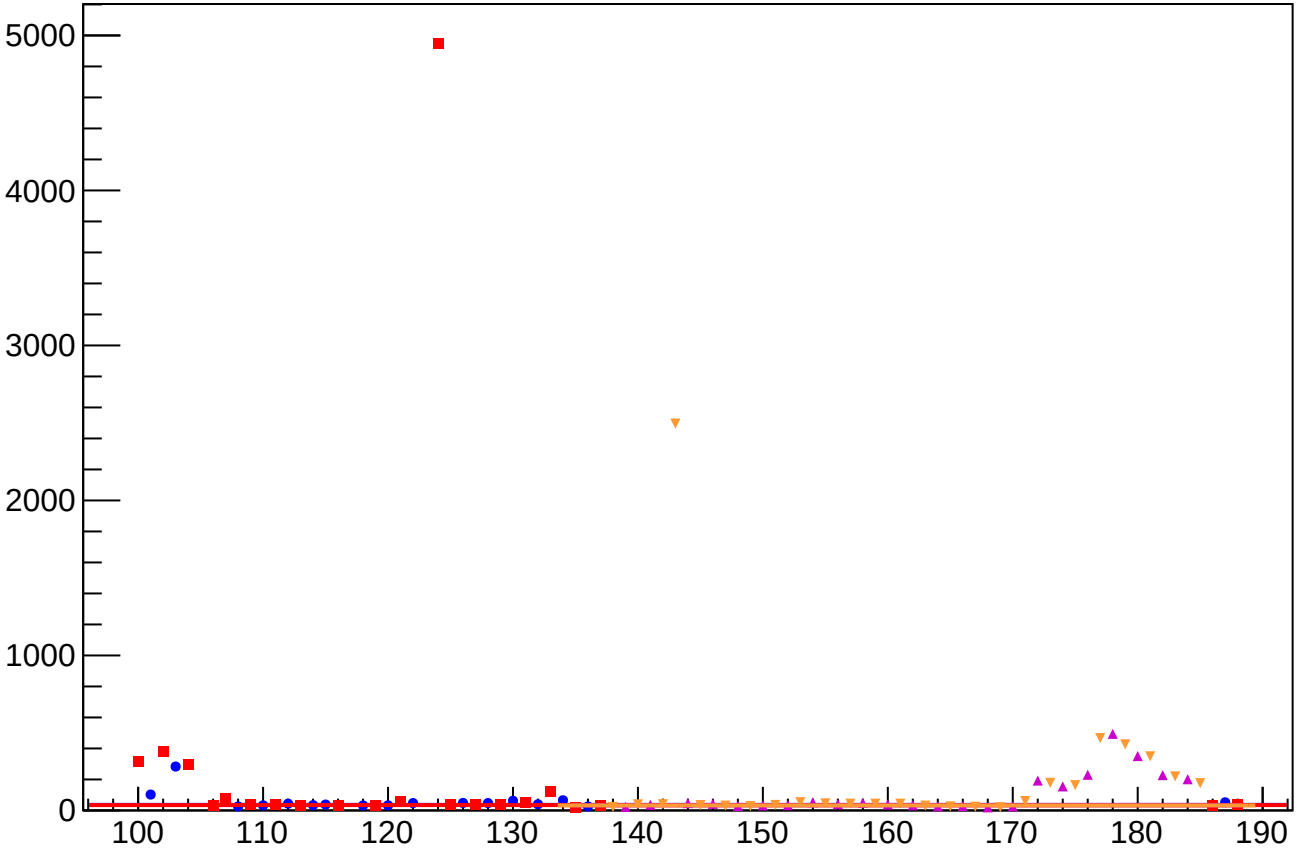
Right: 0.003+/-0.010 χ^2/NDF: 29.5/37

In: 0.012+/-0.008 χ^2/NDF:24.8/39

Out: -0.022+/-0.008 χ^2/NDF:45.8/45

All: -0.005+/-0.006 χ^2/NDF: 79.9/85

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 35.994+/-0.011 χ^2/NDF: 2300275.3/16

Left Out: 32.551+/-0.007 χ^2/NDF:10871758.1/24

Right Out: 34.604+/-0.010 χ^2/NDF: 2943325.9/20

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

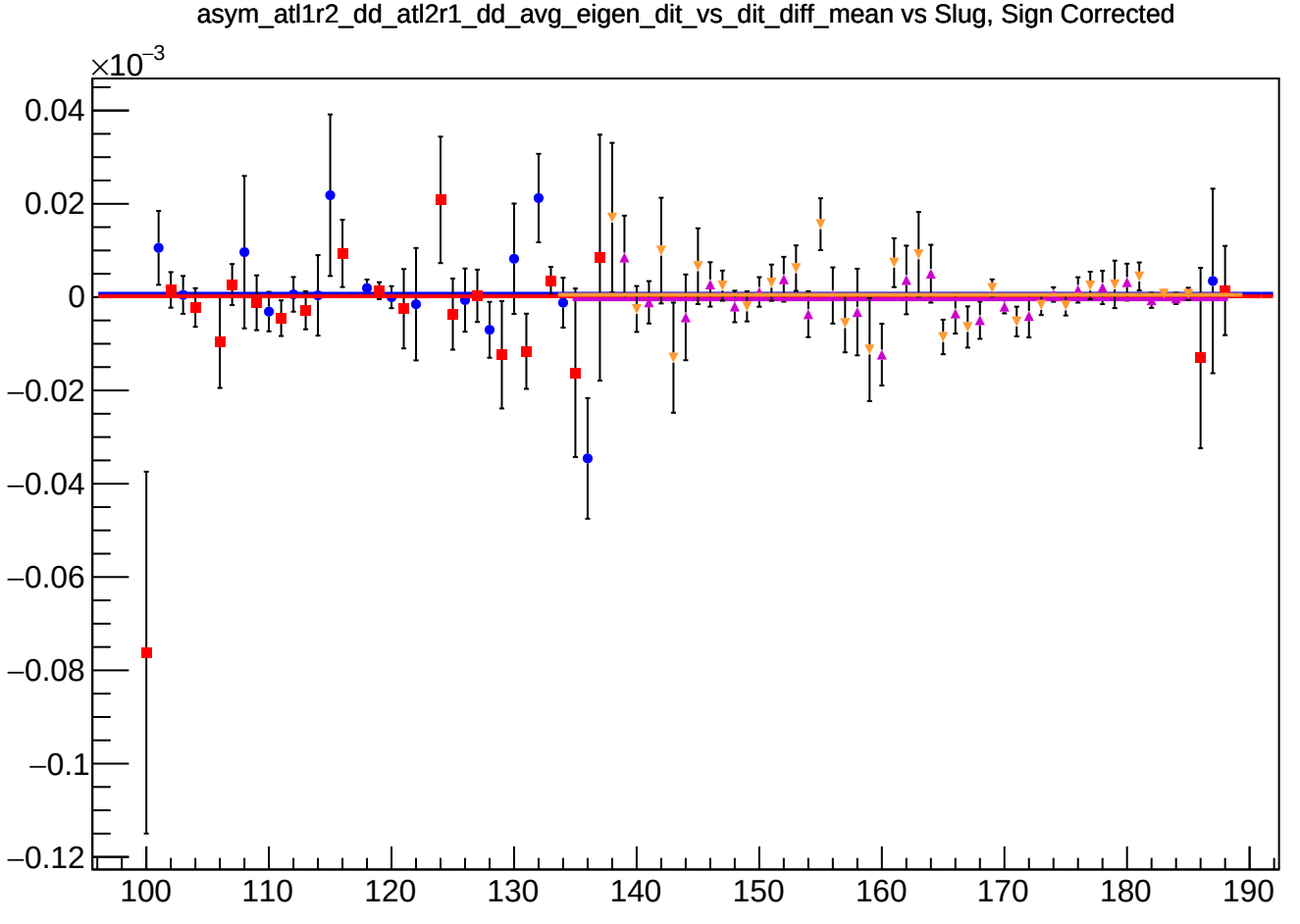
Left: 32.645+/-0.005 χ^2/NDF: 19835386.0/47

Right: 35.240+/-0.007 χ^2/NDF: 5252526.0/37

In: 33.642+/-0.006 χ^2/NDF:11328692.6/39

Out: 33.195+/-0.006 χ^2/NDF:13844256.9/45

All: 33.413+/-0.004 χ^2/NDF: 25176085.3/85



Right In: 0.000+/-0.000 χ^2/NDF: 19.1/16

Left Out: 0.000+/-0.000 χ^2/NDF:35.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 18.6/20

Left In: -0.000+/-0.000 χ^2/NDF:13.7/22

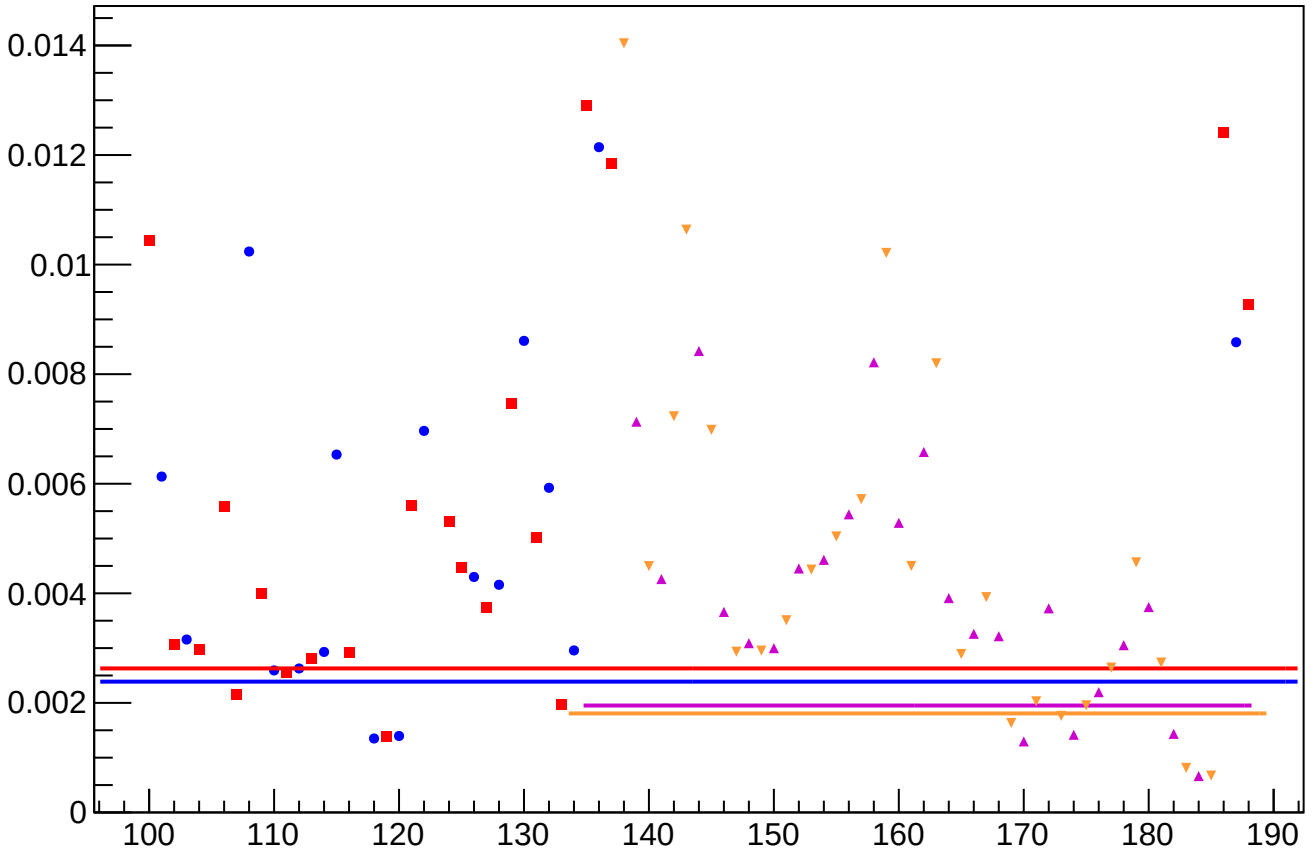
Left: 0.000+/-0.000 χ^2/NDF: 50.9/47

Right: 0.000+/-0.000 χ^2/NDF: 37.8/37

In: -0.000+/-0.000 χ^2/NDF:33.7/39

Out: 0.000+/-0.000 χ^2/NDF:54.4/45

All: 0.000+/-0.000 χ^2/NDF: 88.9/85



Right In: 0.002+/-0.000 χ^2/NDF: 4918460.1/16

Left Out: 0.002+/-0.000 χ^2/NDF:14941257.4/24

Right Out: 0.003+/-0.000 χ^2/NDF: 4894314.9/20

Left In: 0.002+/-0.000 χ^2/NDF:11478607.0/22

Left: 0.002+/-0.000 χ^2/NDF: 26484379.9/47

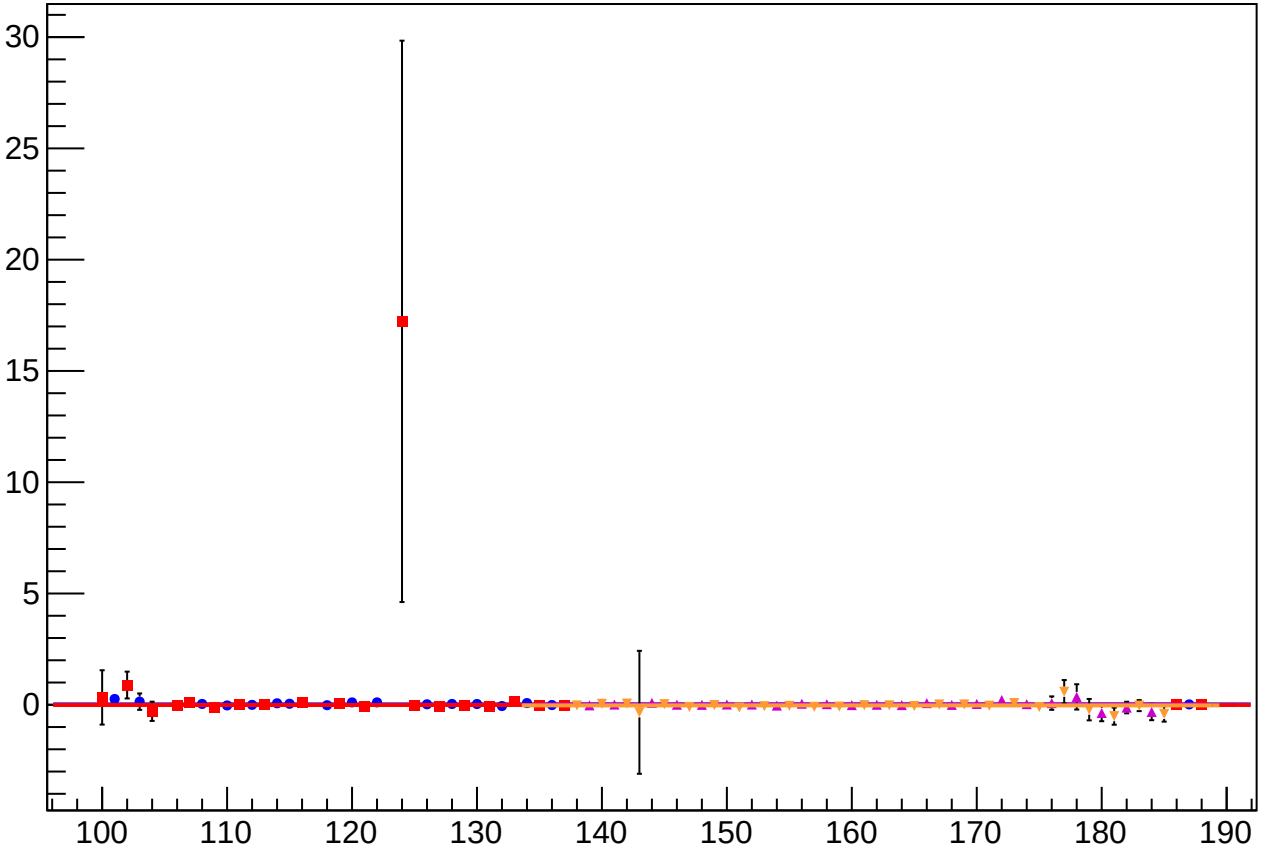
Right: 0.003+/-0.000 χ^2/NDF: 9862725.2/37

In: 0.002+/-0.000 χ^2/NDF:16639696.7/39

Out: 0.002+/-0.000 χ^2/NDF:20790288.4/45

All: 0.002+/-0.000 χ^2/NDF: 37447686.5/85

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/16

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: -0.009+/-0.014 χ^2/NDF: 16.5/20

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

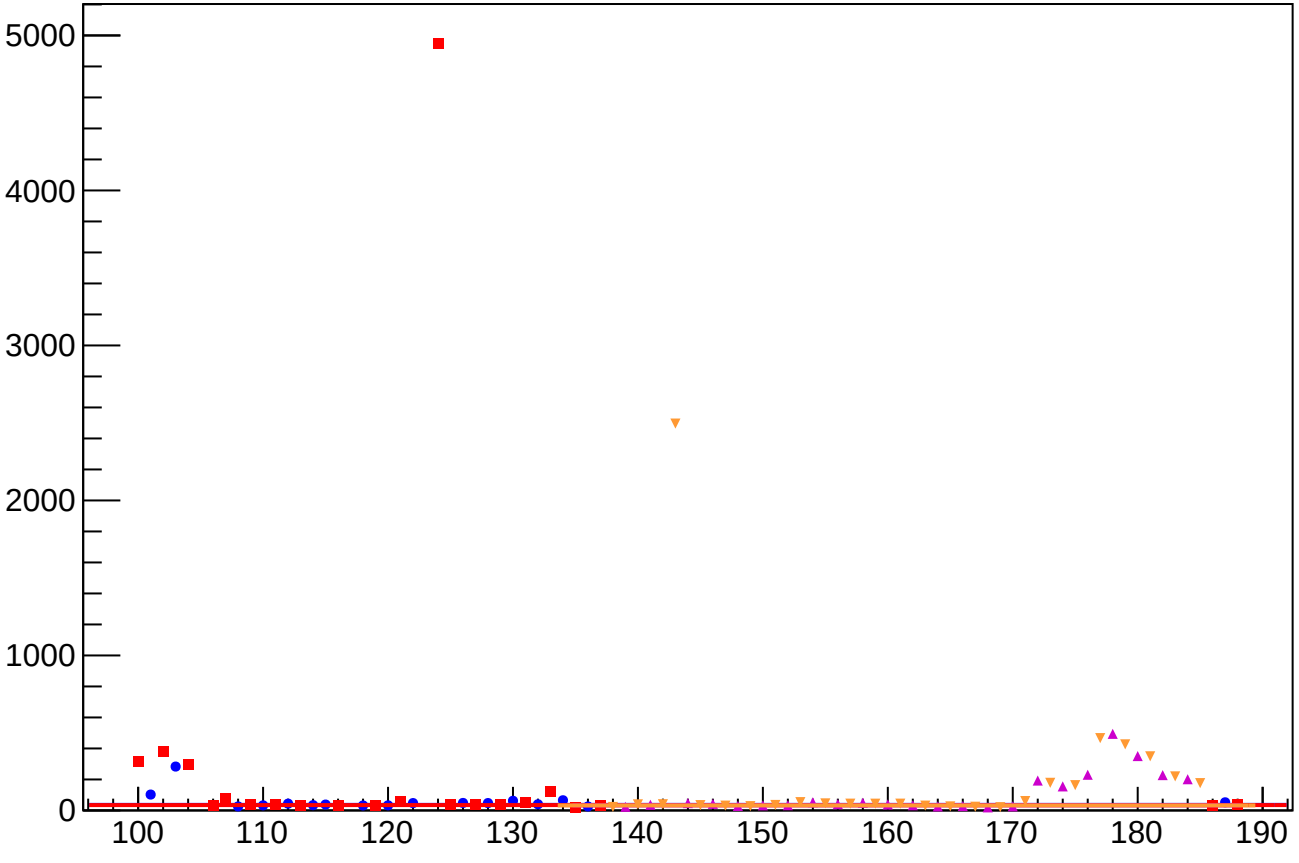
Right: 0.003+/-0.010 χ^2/NDF: 29.5/37

In: 0.012+/-0.008 χ^2/NDF:24.8/39

Out: -0.022+/-0.008 χ^2/NDF:45.8/45

All: -0.005+/-0.006 χ^2/NDF: 79.9/85

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 35.995+/-0.011 χ^2/NDF: 2299982.4/16

Left Out: 32.551+/-0.007 χ^2/NDF:10872015.8/24

Right Out: 34.604+/-0.010 χ^2/NDF: 2943146.3/20

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

Left: 32.644+/-0.005 χ^2/NDF: 19836272.3/47

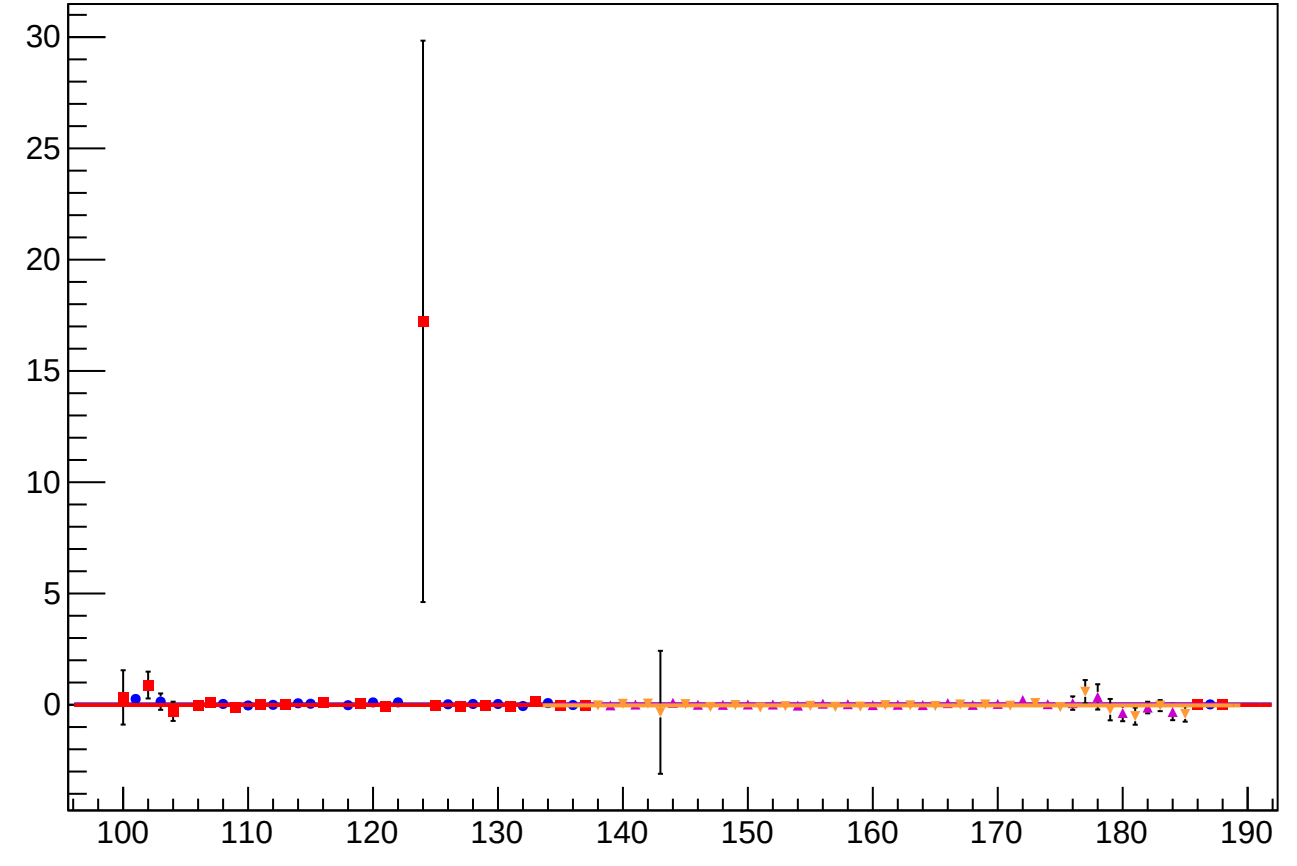
Right: 35.241+/-0.007 χ^2/NDF: 5252068.6/37

In: 33.641+/-0.006 χ^2/NDF:11329143.8/39

Out: 33.195+/-0.006 χ^2/NDF:13844349.7/45

All: 33.413+/-0.004 χ^2/NDF: 25176621.7/85

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/16

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: -0.009+/-0.014 χ^2/NDF: 16.5/20

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

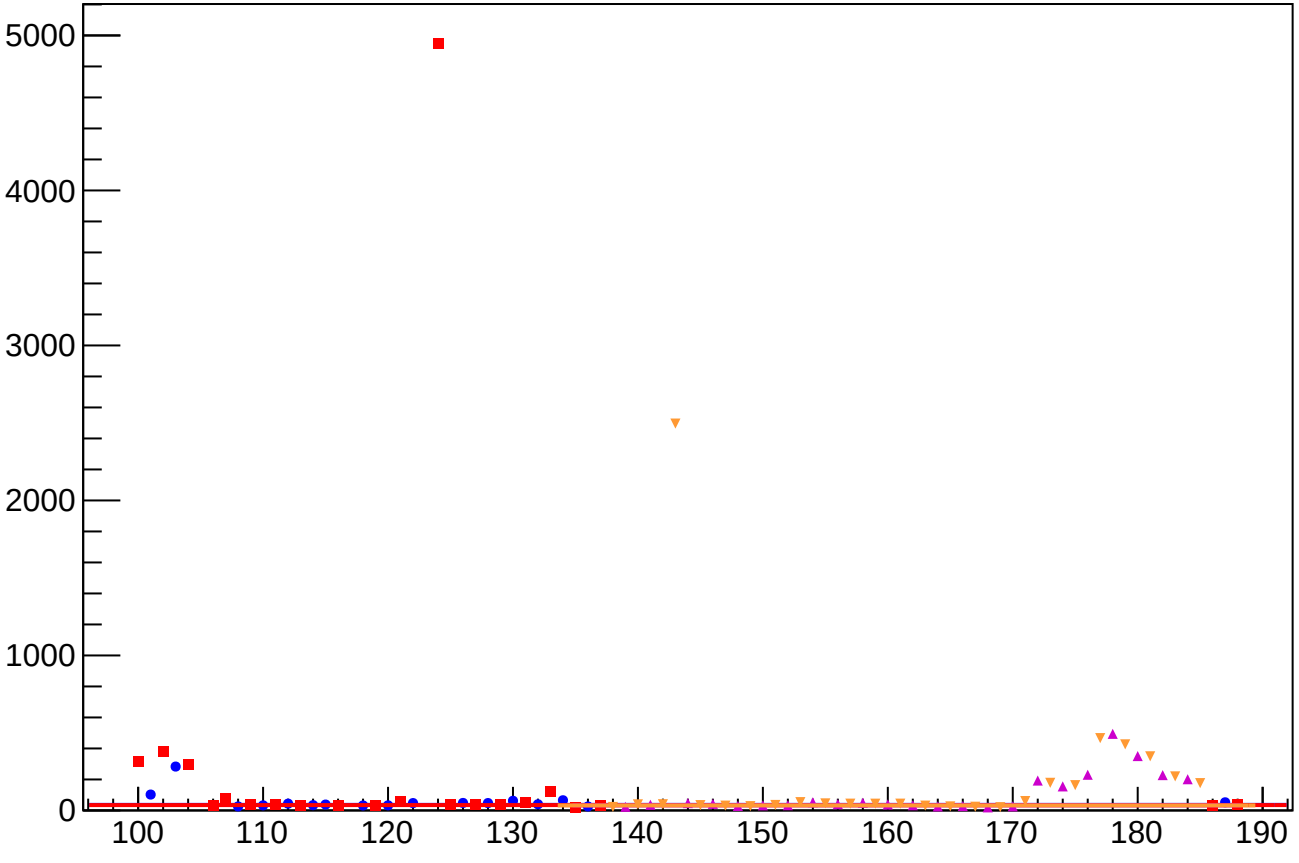
Right: 0.003+/-0.010 χ^2/NDF: 29.5/37

In: 0.012+/-0.008 χ^2/NDF:24.8/39

Out: -0.022+/-0.008 χ^2/NDF:45.8/45

All: -0.005+/-0.006 χ^2/NDF: 79.9/85

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 35.995+/-0.011 χ^2/NDF: 2299982.4/16

Left Out: 32.551+/-0.007 χ^2/NDF:10872015.8/24

Right Out: 34.604+/-0.010 χ^2/NDF: 2943146.3/20

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

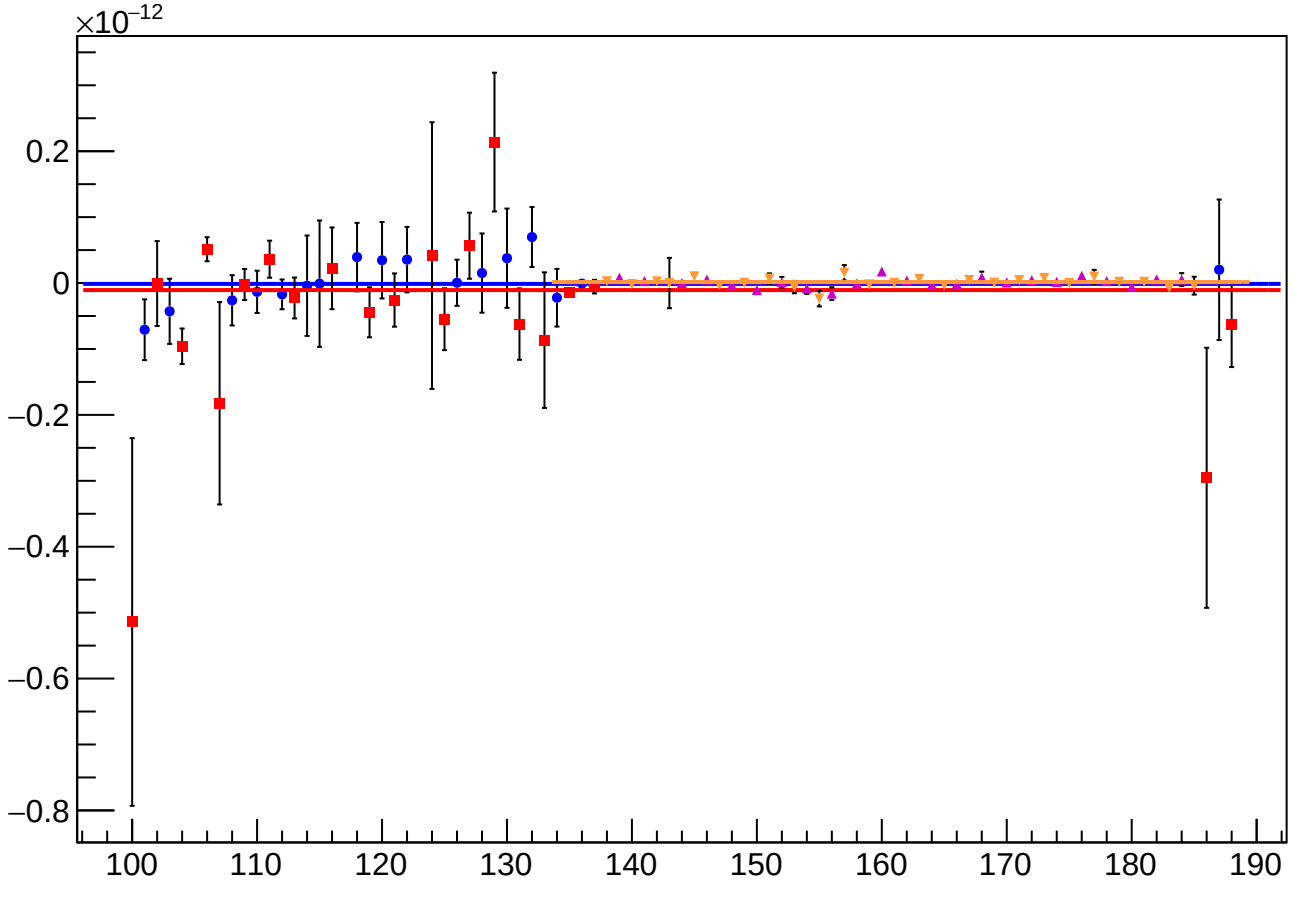
Left: 32.644+/-0.005 χ^2/NDF: 19836272.3/47

Right: 35.241+/-0.007 χ^2/NDF: 5252068.6/37

In: 33.641+/-0.006 χ^2/NDF:11329143.8/39

Out: 33.195+/-0.006 χ^2/NDF:13844349.7/45

All: 33.413+/-0.004 χ^2/NDF: 25176621.7/85



Right In: -0.000+/-0.000 χ^2/NDF: 8.7/16

Left Out: 0.000+/-0.000 χ^2/NDF:18.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 42.6/20

Left In: 0.000+/-0.000 χ^2/NDF:28.7/22

Left: 0.000+/-0.000 χ^2/NDF: 46.8/47

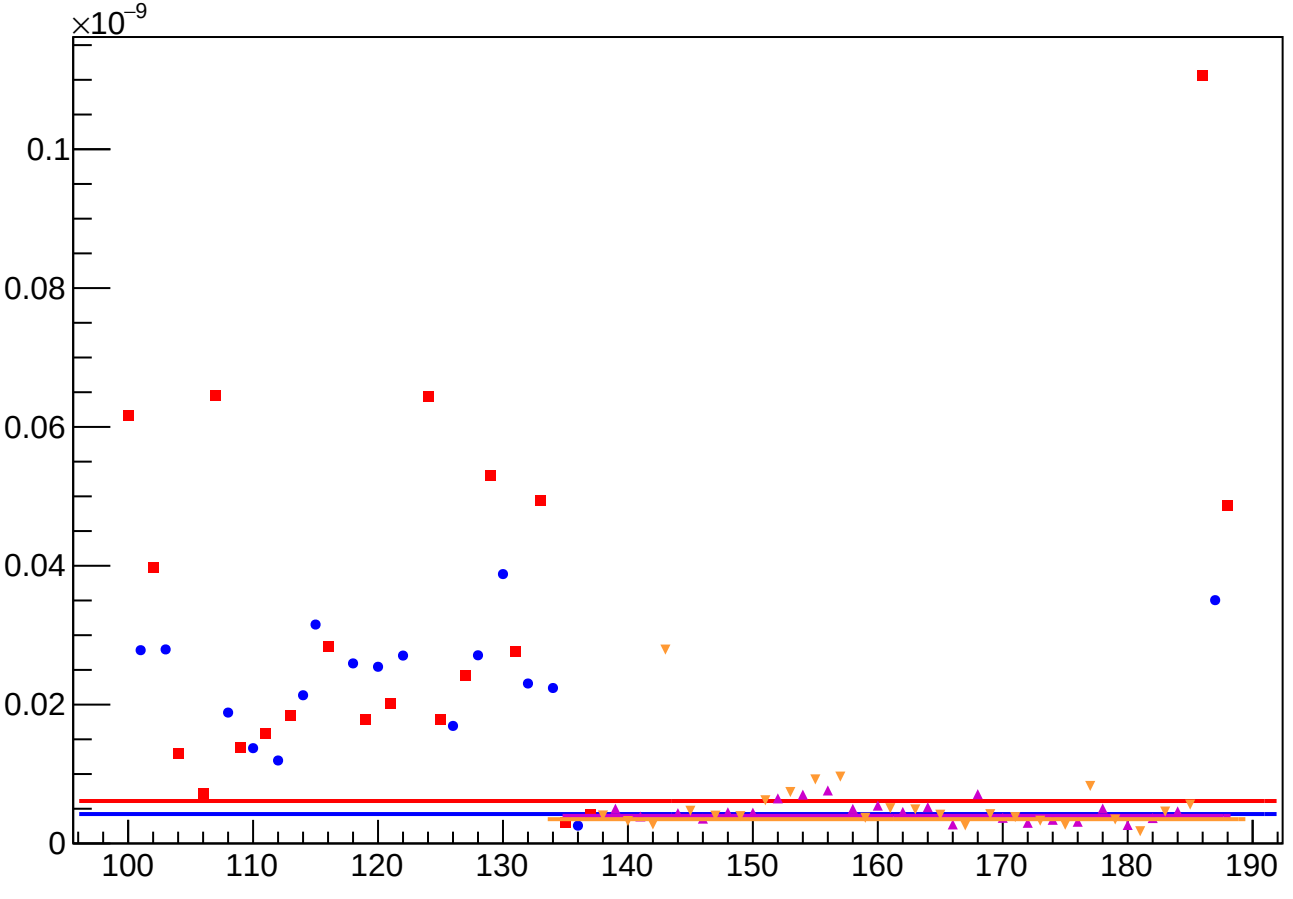
Right: -0.000+/-0.000 χ^2/NDF: 54.3/37

In: 0.000+/-0.000 χ^2/NDF:37.8/39

Out: 0.000+/-0.000 χ^2/NDF:68.7/45

All: 0.000+/-0.000 χ^2/NDF: 106.5/85

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 5247535.5/16

Left Out: 0.000+/-0.000 χ^2/NDF:4688121.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6295310.3/20

Left In: 0.000+/-0.000 χ^2/NDF:2073078.0/22

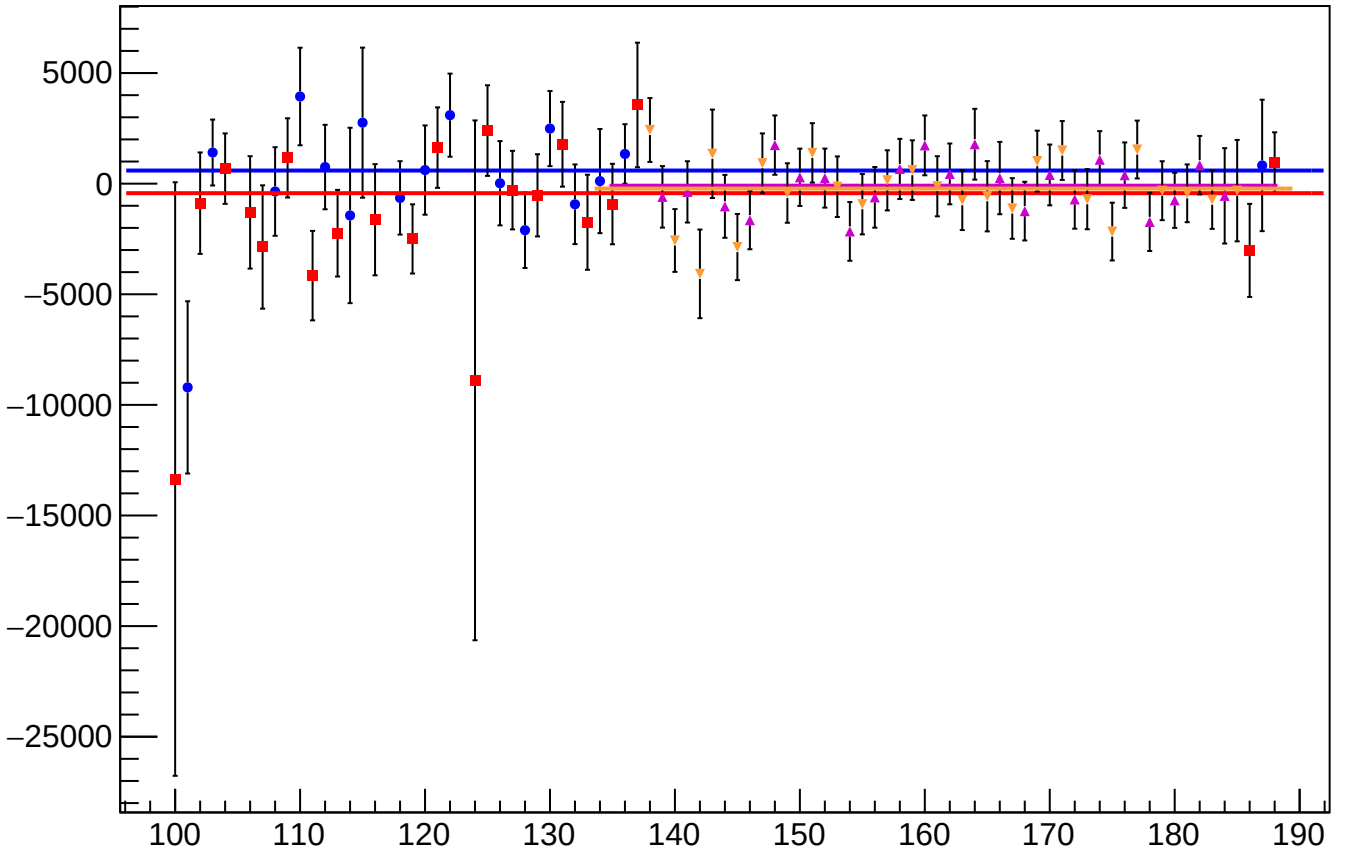
Left: 0.000+/-0.000 χ^2/NDF: 6948707.3/47

Right: 0.000+/-0.000 χ^2/NDF: 11785699.9/37

In: 0.000+/-0.000 χ^2/NDF:7331208.2/39

Out: 0.000+/-0.000 χ^2/NDF:11725600.6/45

All: 0.000+/-0.000 χ^2/NDF: 19165032.9/85



Right In: 593.024+/-476.196 χ^2/NDF: 17.1/16

Left Out: -220.721+/-283.055 χ^2/NDF:23.9/24

Right Out: -430.074+/-442.880 χ^2/NDF: 19.4/20

Left In: -92.402+/-288.217 χ^2/NDF:14.7/22

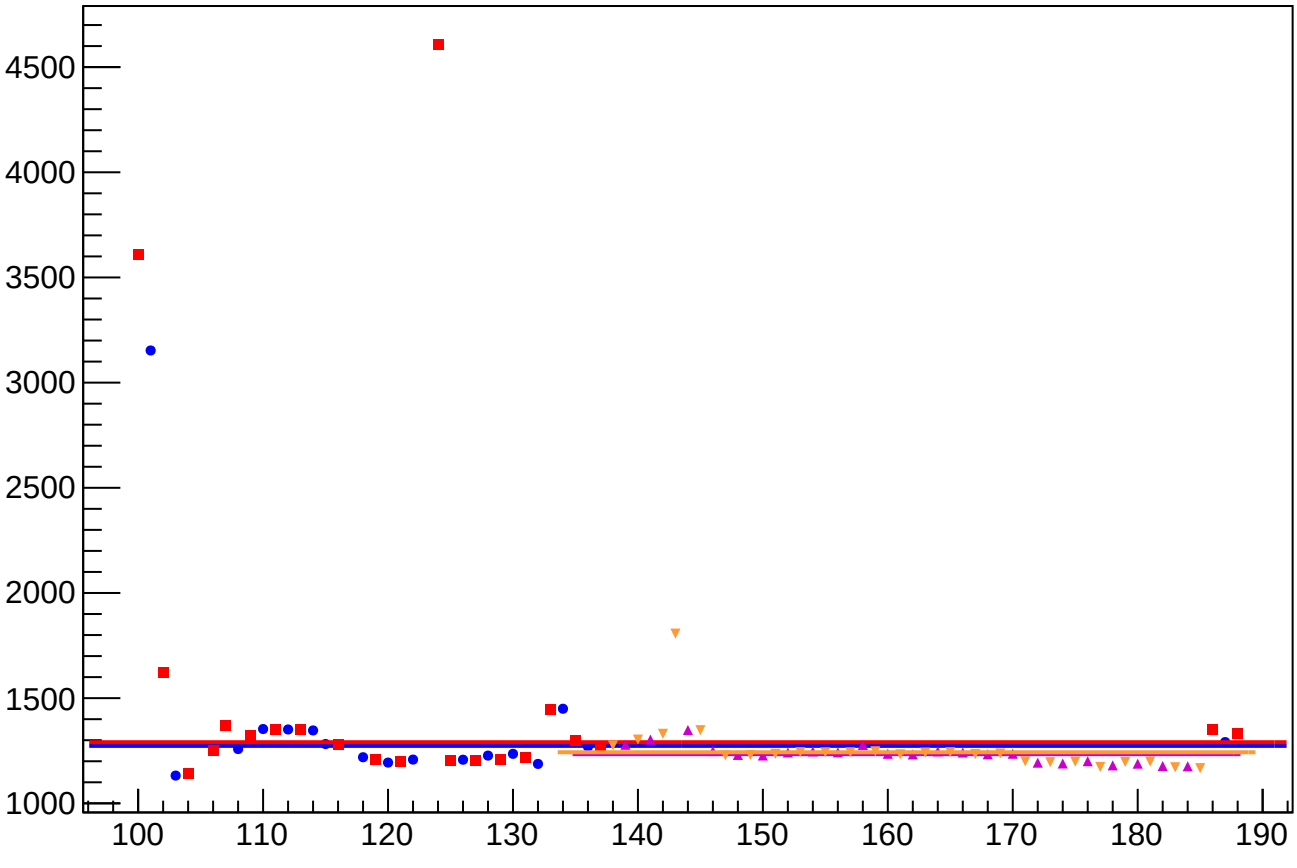
Left: -157.721+/-201.950 χ^2/NDF: 38.7/47

Right: 44.437+/-324.302 χ^2/NDF: 39.0/37

In: 91.368+/-246.571 χ^2/NDF:33.3/39

Out: -281.436+/-238.504 χ^2/NDF:43.5/45

All: -101.233+/-171.429 χ^2/NDF: 78.0/85



Right In: 1273.276+/-0.337 χ^2/NDF: 519372.5/16

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

Right Out: 1290.531+/-0.313 χ^2/NDF: 326092.8/20

Left In: 1233.752+/-0.204 χ^2/NDF:39281.8/22

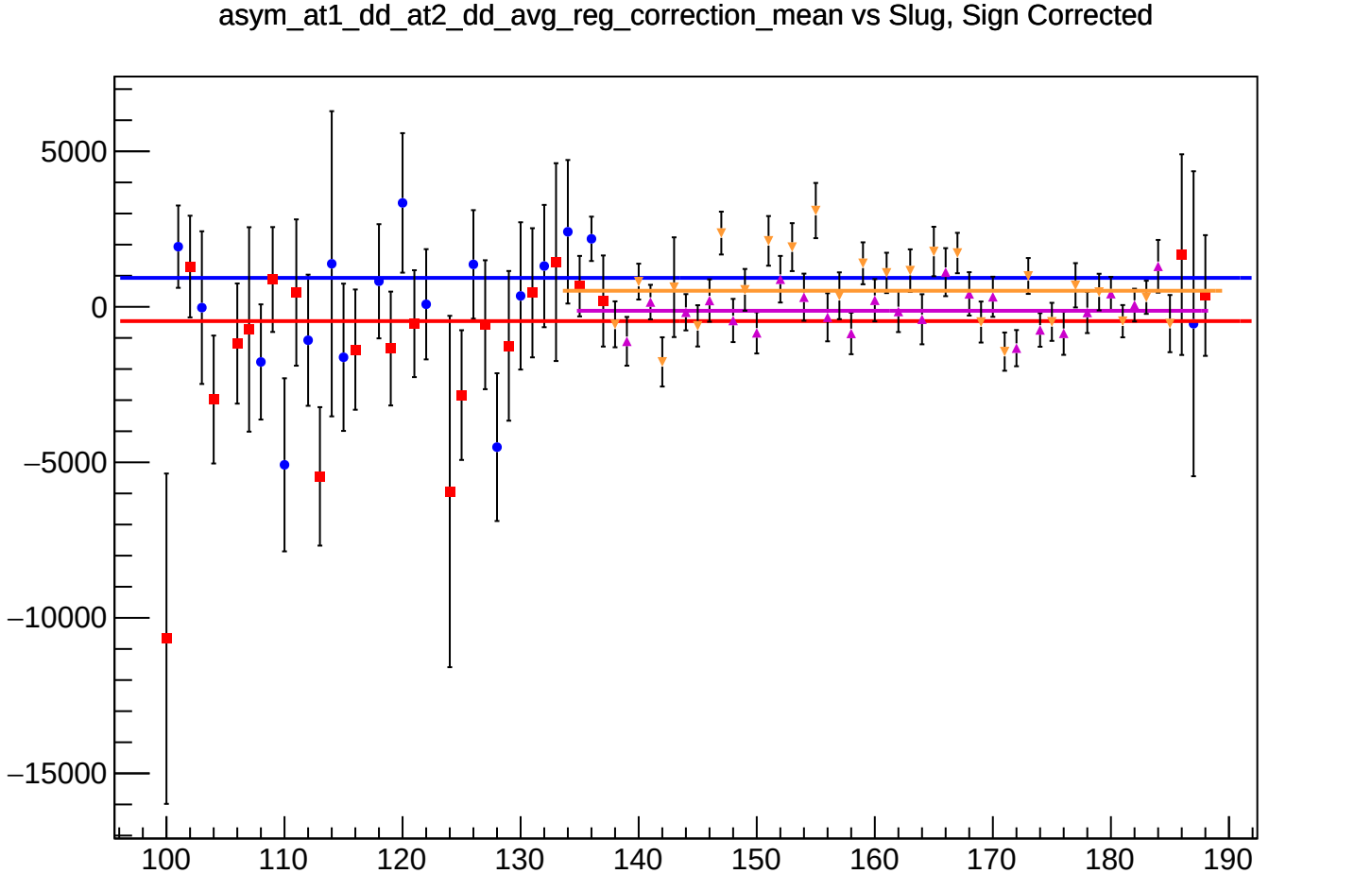
Left: 1238.371+/-0.143 χ^2/NDF: 243589.7/47

Right: 1282.528+/-0.229 χ^2/NDF: 846873.5/37

In: 1244.349+/-0.174 χ^2/NDF:568738.0/39

Out: 1256.660+/-0.169 χ^2/NDF:545868.4/45

All: 1250.709+/-0.121 χ^2/NDF: 1117182.3/85



Right In: 930.636+/-424.240 χ^2/NDF: 20.0/16

Left Out: 516.792+/-135.746 χ^2/NDF:67.0/24

Right Out: -458.611+/-425.275 χ^2/NDF: 17.8/20

Left In: -126.569+/-137.266 χ^2/NDF:21.6/22

Left: 198.694+/-96.520 χ^2/NDF: 99.7/47

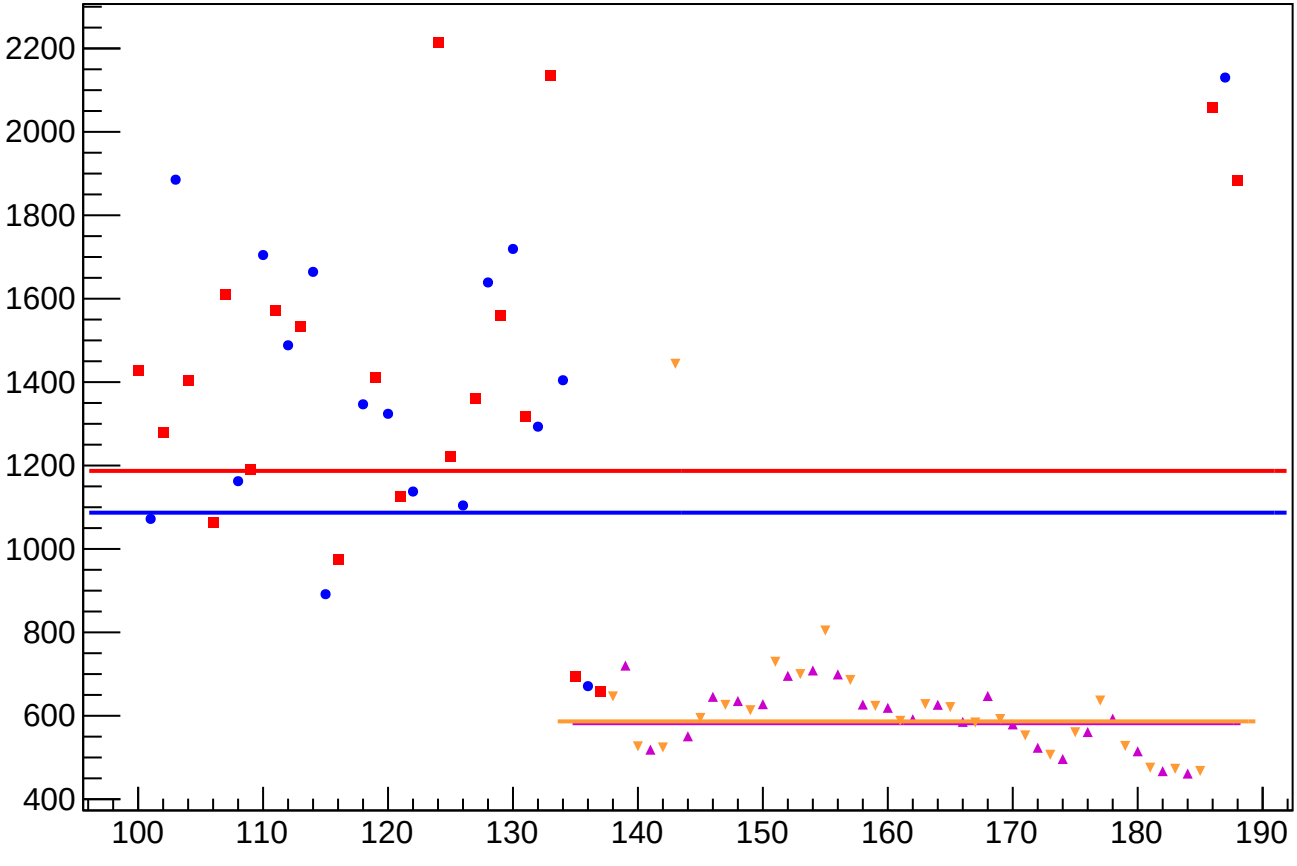
Right: 237.706+/-300.348 χ^2/NDF: 43.2/37

In: -26.379+/-130.600 χ^2/NDF:47.2/39

Out: 426.601+/-129.318 χ^2/NDF:89.6/45

All: 202.345+/-91.892 χ^2/NDF: 142.9/85

asym_at1_dd_at2_dd_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 1086.989+/-0.300 χ^2/NDF: 1573454.6/16

Left Out: 586.557+/-0.096 χ^2/NDF:1202915.7/24

Right Out: 1187.148+/-0.301 χ^2/NDF: 1724492.9/20

Left In: 582.190+/-0.097 χ^2/NDF:559261.3/22

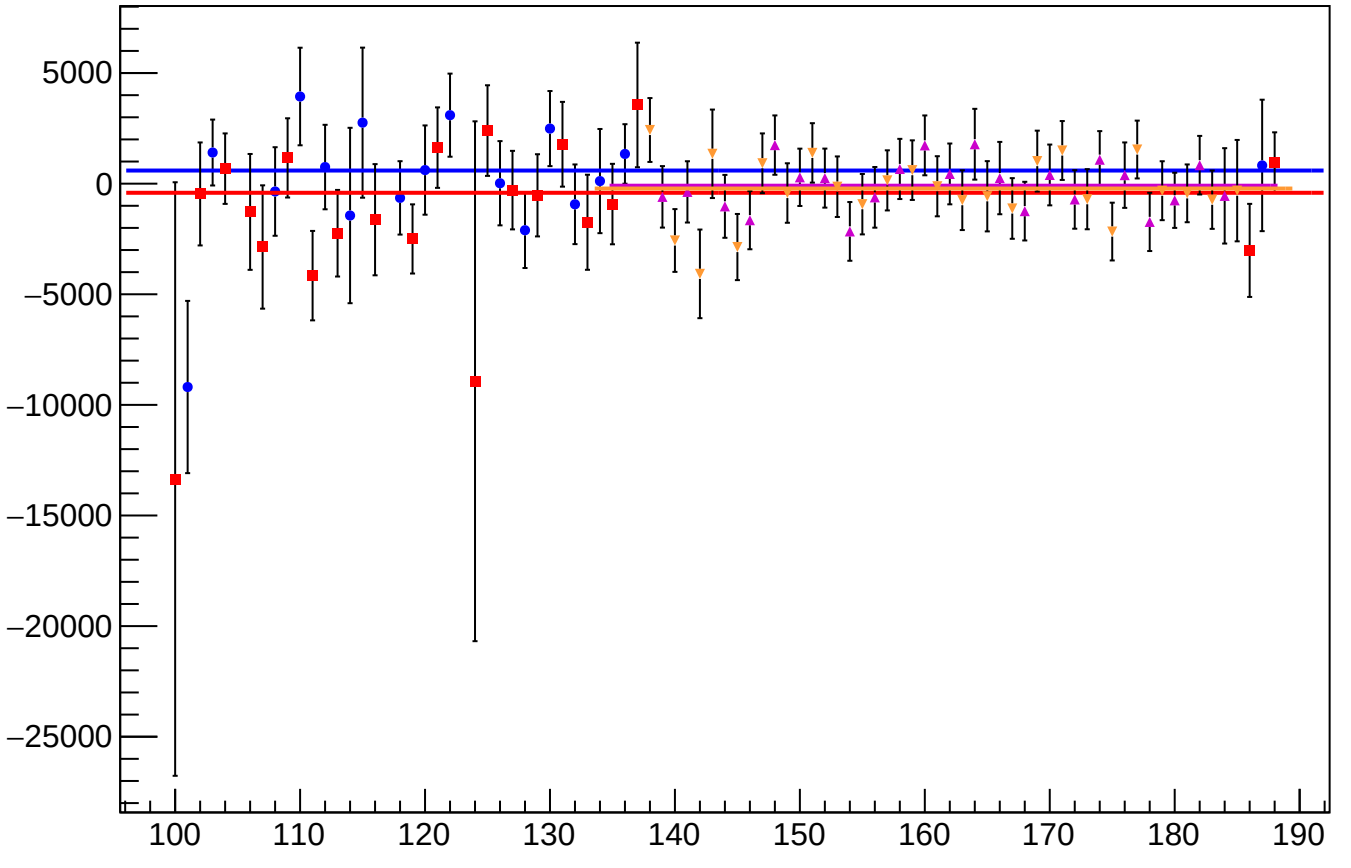
Left: 584.398+/-0.068 χ^2/NDF: 1763200.3/47

Right: 1136.946+/-0.212 χ^2/NDF: 3353550.8/37

In: 630.029+/-0.092 χ^2/NDF:4696033.9/39

Out: 642.091+/-0.091 χ^2/NDF:6547421.4/45

All: 636.120+/-0.065 χ^2/NDF: 11252068.9/85



Right In: 593.339+/-476.196 χ^2/NDF: 17.1/16

Left Out: -220.755+/-283.055 χ^2/NDF:23.9/24

Right Out: -412.448+/-443.519 χ^2/NDF: 19.4/20

Left In: -92.472+/-288.217 χ^2/NDF:14.7/22

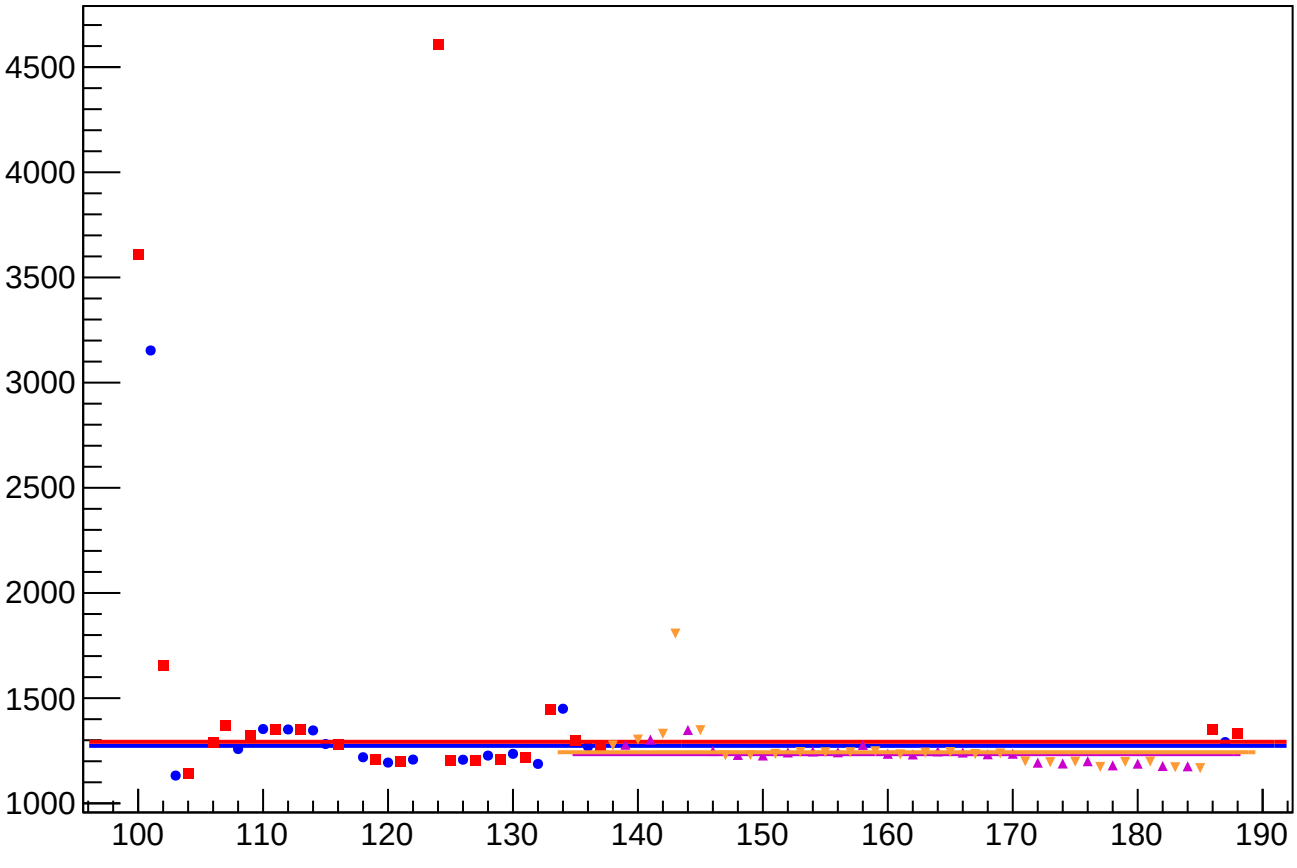
Left: -157.773+/-201.950 χ^2/NDF: 38.7/47

Right: 54.756+/-324.553 χ^2/NDF: 38.8/37

In: 91.401+/-246.571 χ^2/NDF:33.3/39

Out: -276.235+/-238.604 χ^2/NDF:43.4/45

All: -98.453+/-171.466 χ^2/NDF: 77.8/85



Right In: 1273.276+/-0.337 χ^2/NDF: 519374.0/16

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

Right Out: 1292.498+/-0.314 χ^2/NDF: 332430.3/20

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

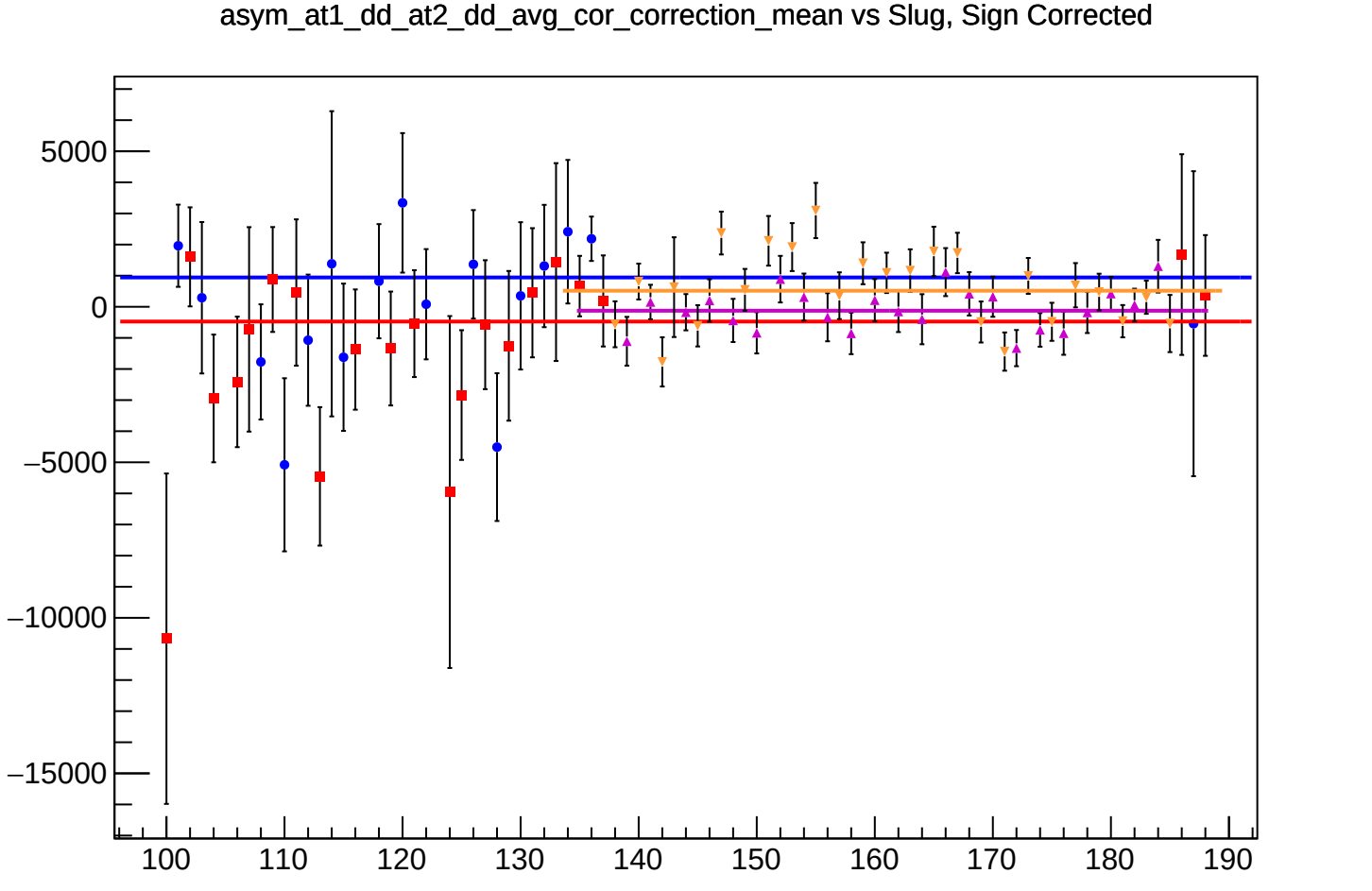
Left: 1238.371+/-0.143 χ^2/NDF: 243589.6/47

Right: 1283.569+/-0.229 χ^2/NDF: 853549.4/37

In: 1244.349+/-0.174 χ^2/NDF:568739.3/39

Out: 1257.201+/-0.169 χ^2/NDF:553556.2/45

All: 1250.986+/-0.121 χ^2/NDF: 1125101.7/85



Right In: 942.939+/-424.065 χ^2/NDF: 20.0/16

Left Out: 516.811+/-135.747 χ^2/NDF:67.0/24

Right Out: -474.485+/-426.046 χ^2/NDF: 19.0/20

Left In: -126.549+/-137.266 χ^2/NDF:21.6/22

Left: 198.710+/-96.520 χ^2/NDF: 99.7/47

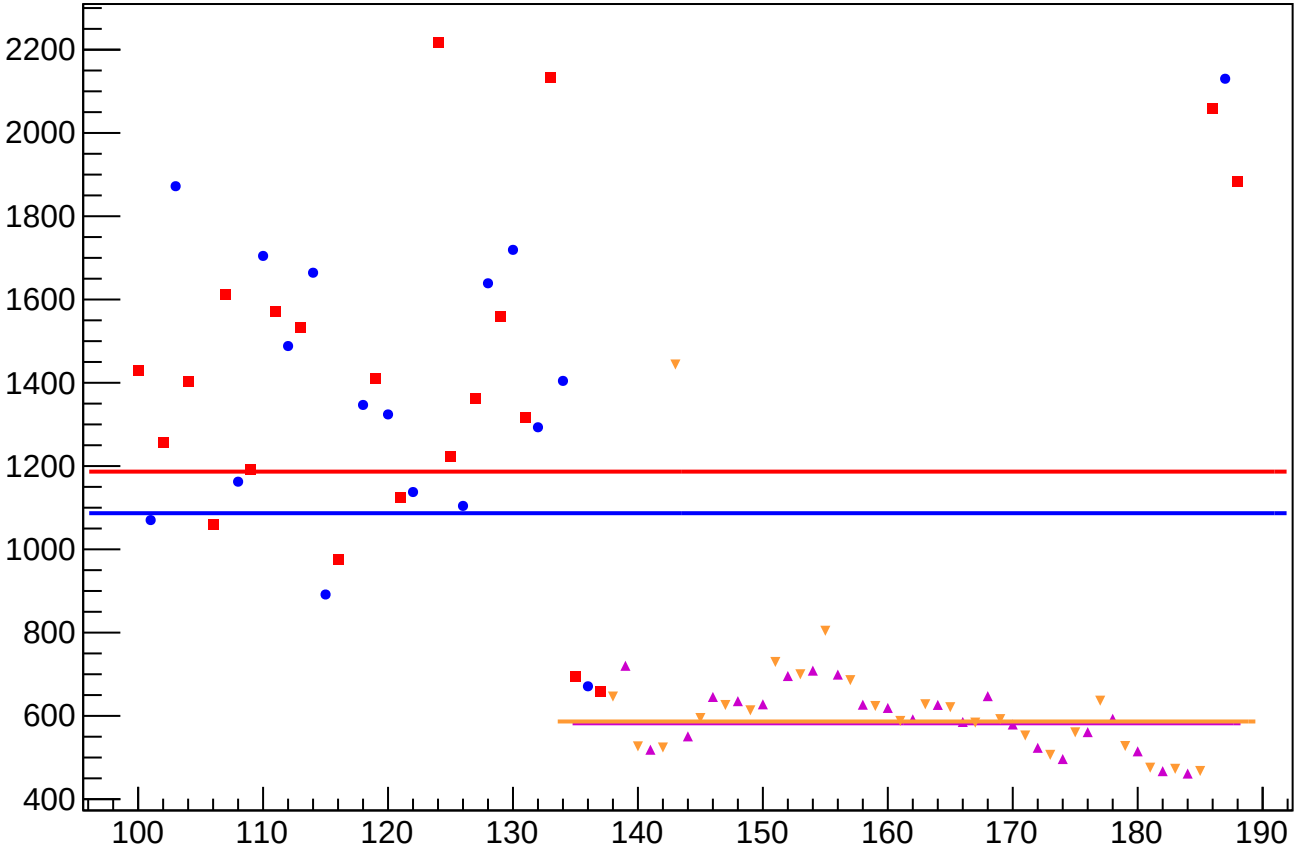
Right: 237.529+/-300.557 χ^2/NDF: 44.6/37

In: -25.120+/-130.595 χ^2/NDF:47.3/39

Out: 425.451+/-129.340 χ^2/NDF:91.0/45

All: 202.339+/-91.898 χ^2/NDF: 144.3/85

asym_at1_dd_at2_dd_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 1086.796+/-0.300 χ^2/NDF: 1569975.4/16

Left Out: 586.562+/-0.096 χ^2/NDF:1202822.0/24

Right Out: 1186.652+/-0.301 χ^2/NDF: 1720986.2/20

Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

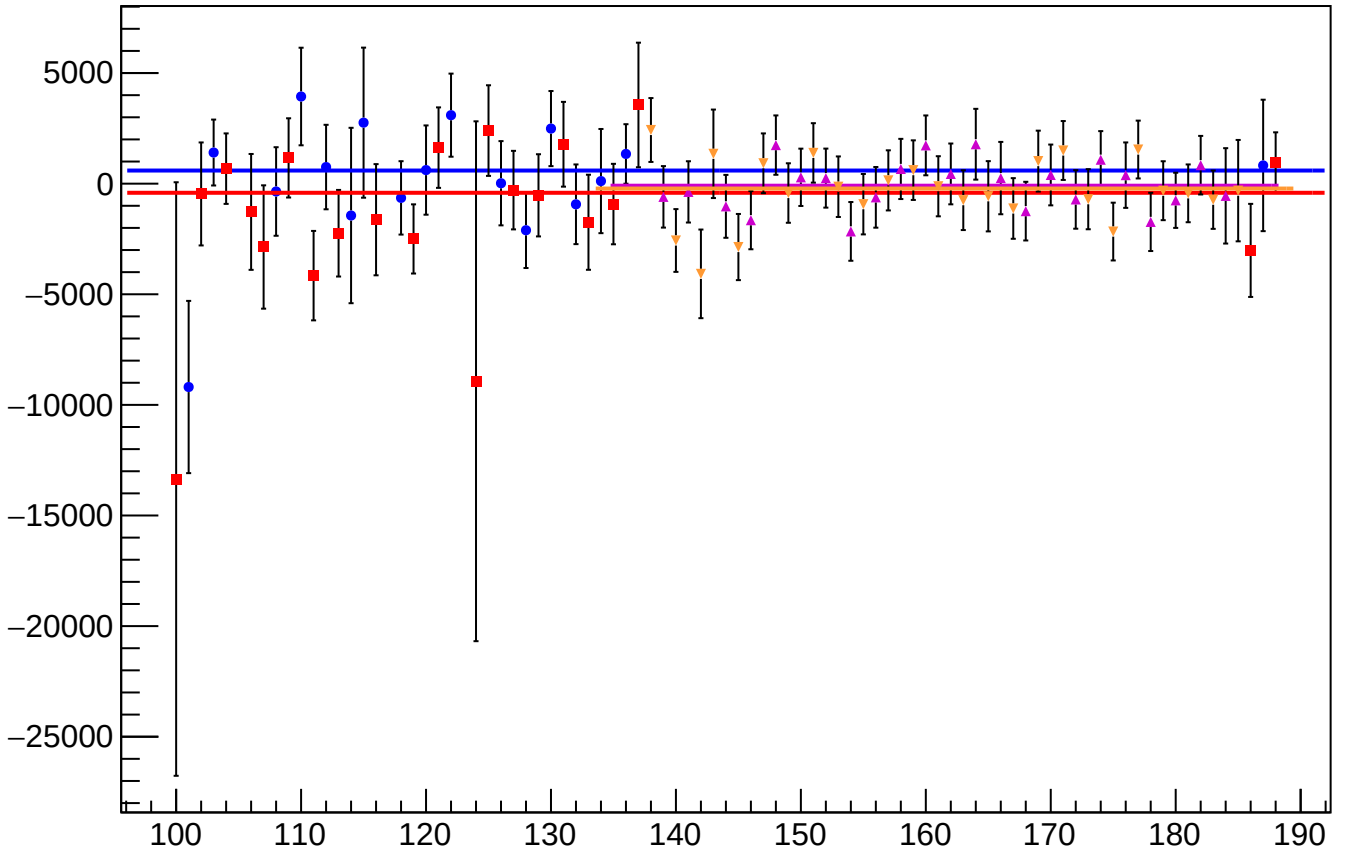
Left: 584.400+/-0.068 χ^2/NDF: 1763106.4/47

Right: 1136.491+/-0.213 χ^2/NDF: 3346150.7/37

In: 630.045+/-0.092 χ^2/NDF:4692520.1/39

Out: 641.868+/-0.091 χ^2/NDF:6525923.8/45

All: 636.013+/-0.065 χ^2/NDF: 11226719.1/85



Right In: 593.339+/-476.196 χ^2/NDF: 17.1/16

Left Out: -220.755+/-283.055 χ^2/NDF:23.9/24

Right Out: -412.448+/-443.519 χ^2/NDF: 19.4/20

Left In: -92.472+/-288.217 χ^2/NDF:14.7/22

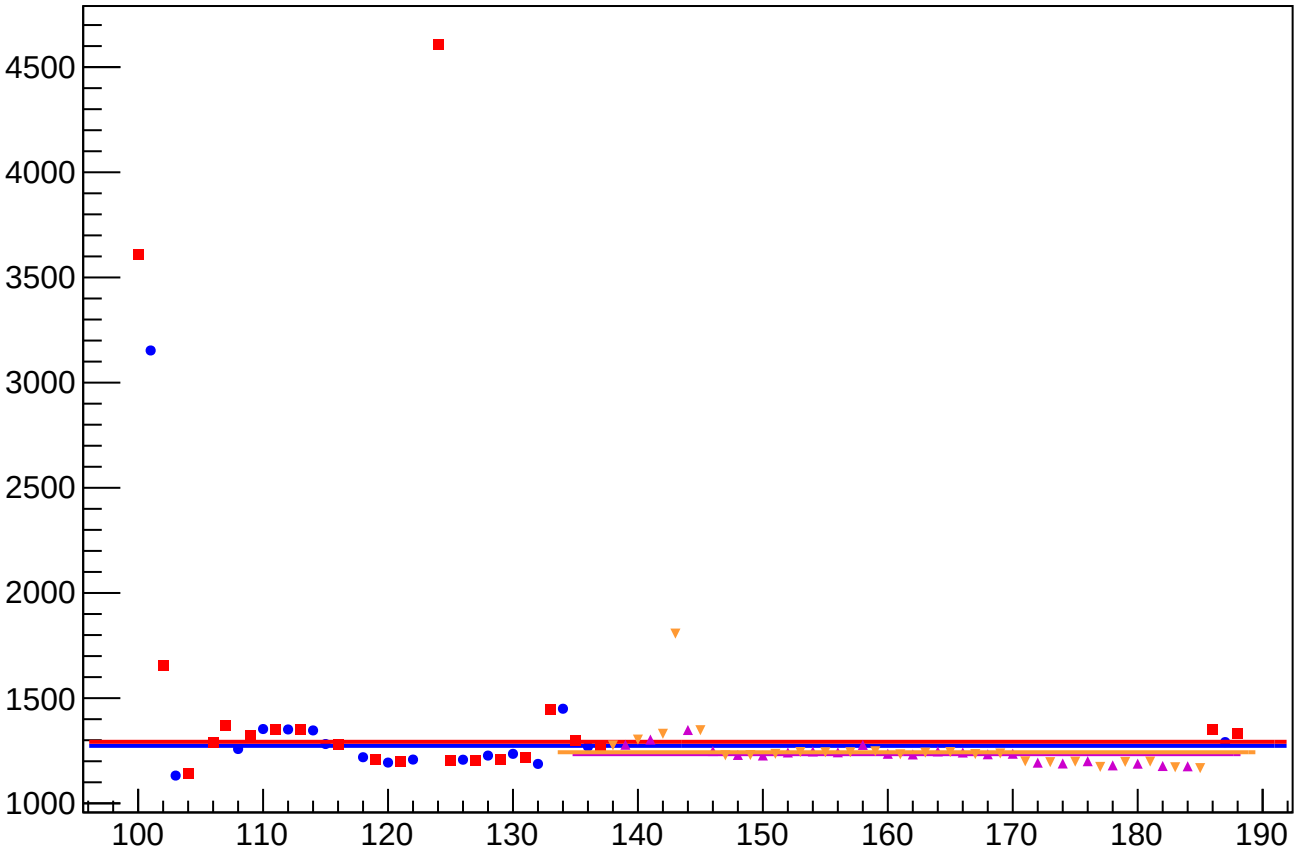
Left: -157.773+/-201.950 χ^2/NDF: 38.7/47

Right: 54.756+/-324.553 χ^2/NDF: 38.8/37

In: 91.401+/-246.571 χ^2/NDF:33.3/39

Out: -276.235+/-238.604 χ^2/NDF:43.4/45

All: -98.453+/-171.466 χ^2/NDF: 77.8/85



Right In: 1273.276+/-0.337 χ^2/NDF: 519374.0/16

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

Right Out: 1292.498+/-0.314 χ^2/NDF: 332430.3/20

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

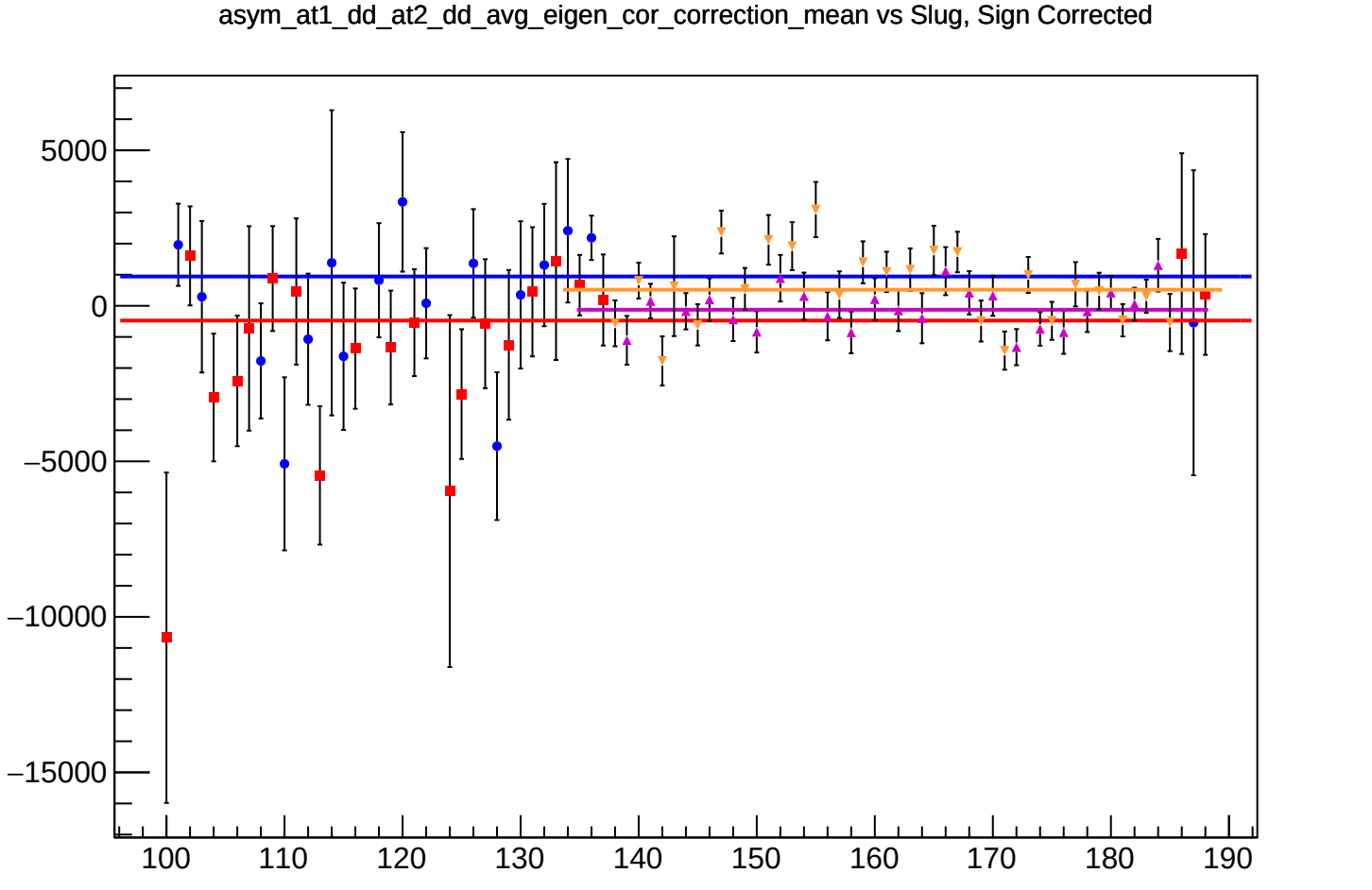
Left: 1238.371+/-0.143 χ^2/NDF: 243589.6/47

Right: 1283.569+/-0.229 χ^2/NDF: 853549.4/37

In: 1244.349+/-0.174 χ^2/NDF:568739.3/39

Out: 1257.201+/-0.169 χ^2/NDF:553556.2/45

All: 1250.986+/-0.121 χ^2/NDF: 1125101.7/85



Right In: 942.939+/-424.065 χ^2/NDF: 20.0/16

Left Out: 516.811+/-135.747 χ^2/NDF:67.0/24

Right Out: -474.485+/-426.046 χ^2/NDF: 19.0/20

Left In: -126.549+/-137.266 χ^2/NDF:21.6/22

Left: 198.710+/-96.520 χ^2/NDF: 99.7/47

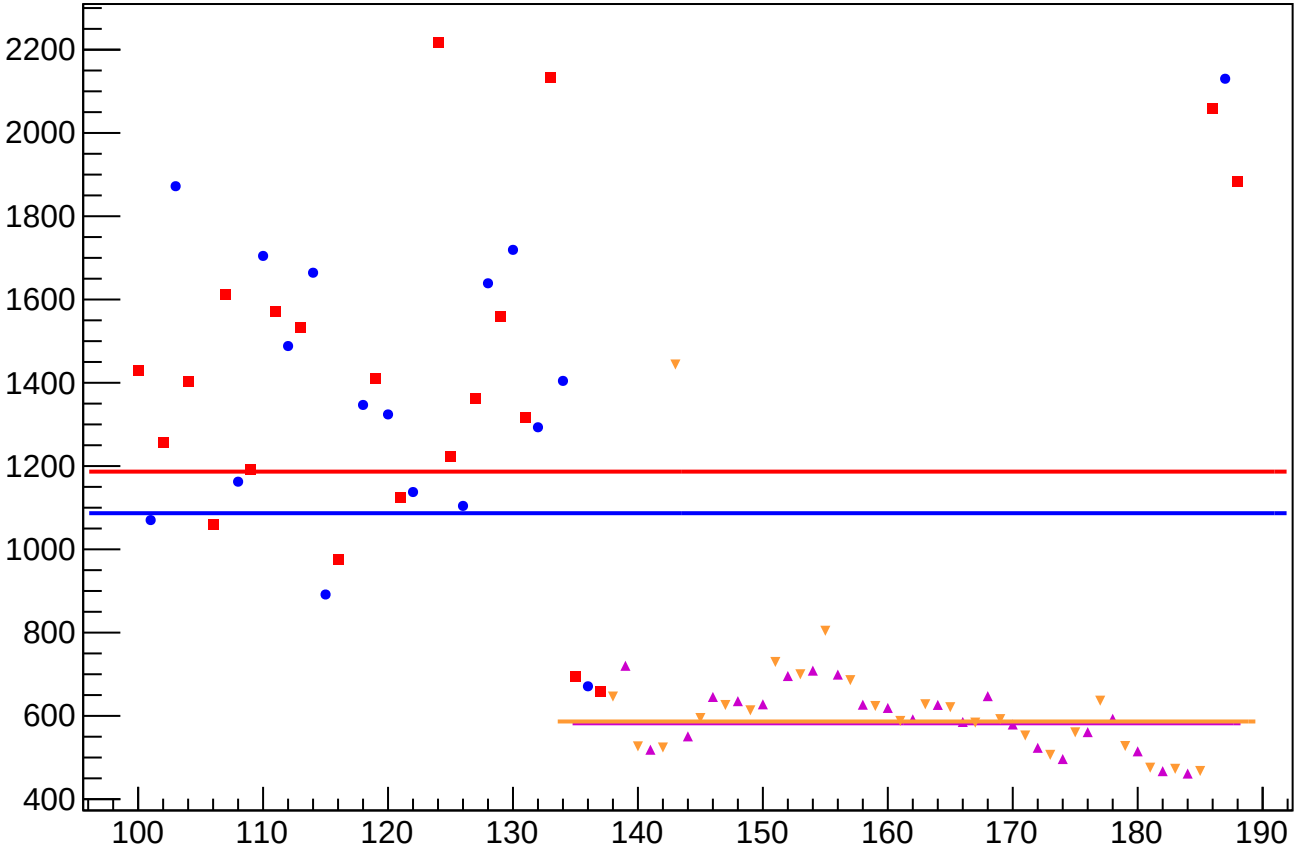
Right: 237.529+/-300.557 χ^2/NDF: 44.6/37

In: -25.120+/-130.595 χ^2/NDF:47.3/39

Out: 425.451+/-129.340 χ^2/NDF:91.0/45

All: 202.339+/-91.898 χ^2/NDF: 144.3/85

asym_at1_dd_at2_dd_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1086.796+/-0.300 χ^2/NDF: 1569975.4/16

Left Out: 586.562+/-0.096 χ^2/NDF:1202822.0/24

Right Out: 1186.652+/-0.301 χ^2/NDF: 1720986.2/20

Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

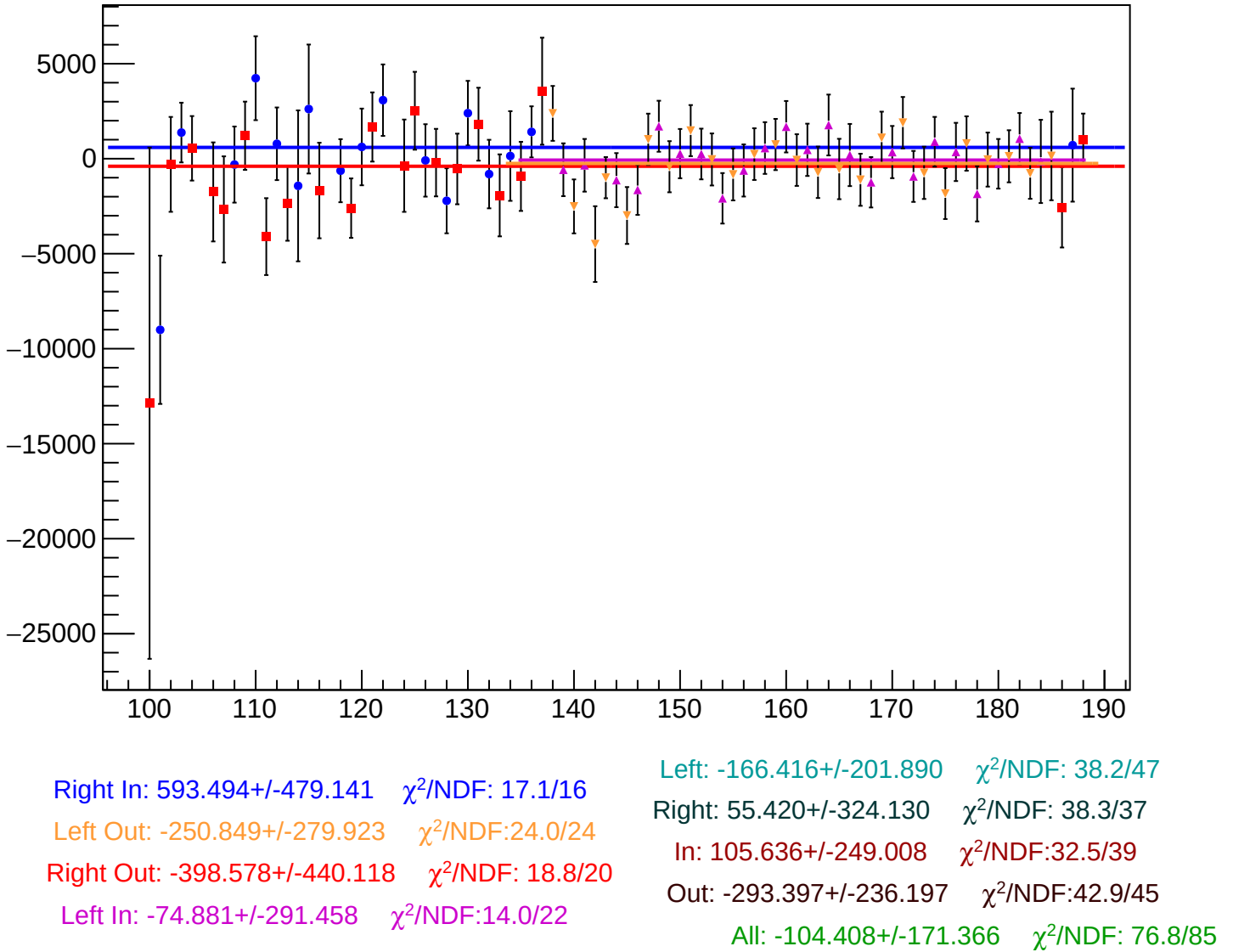
Left: 584.400+/-0.068 χ^2/NDF: 1763106.4/47

Right: 1136.491+/-0.213 χ^2/NDF: 3346150.7/37

In: 630.045+/-0.092 χ^2/NDF:4692520.1/39

Out: 641.868+/-0.091 χ^2/NDF:6525923.8/45

All: 636.013+/-0.065 χ^2/NDF: 11226719.1/85


dit_asym_at1_dd_at2_dd_avg_mean vs Slug, Sign Corrected
5000
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−15000
−20000
−25000
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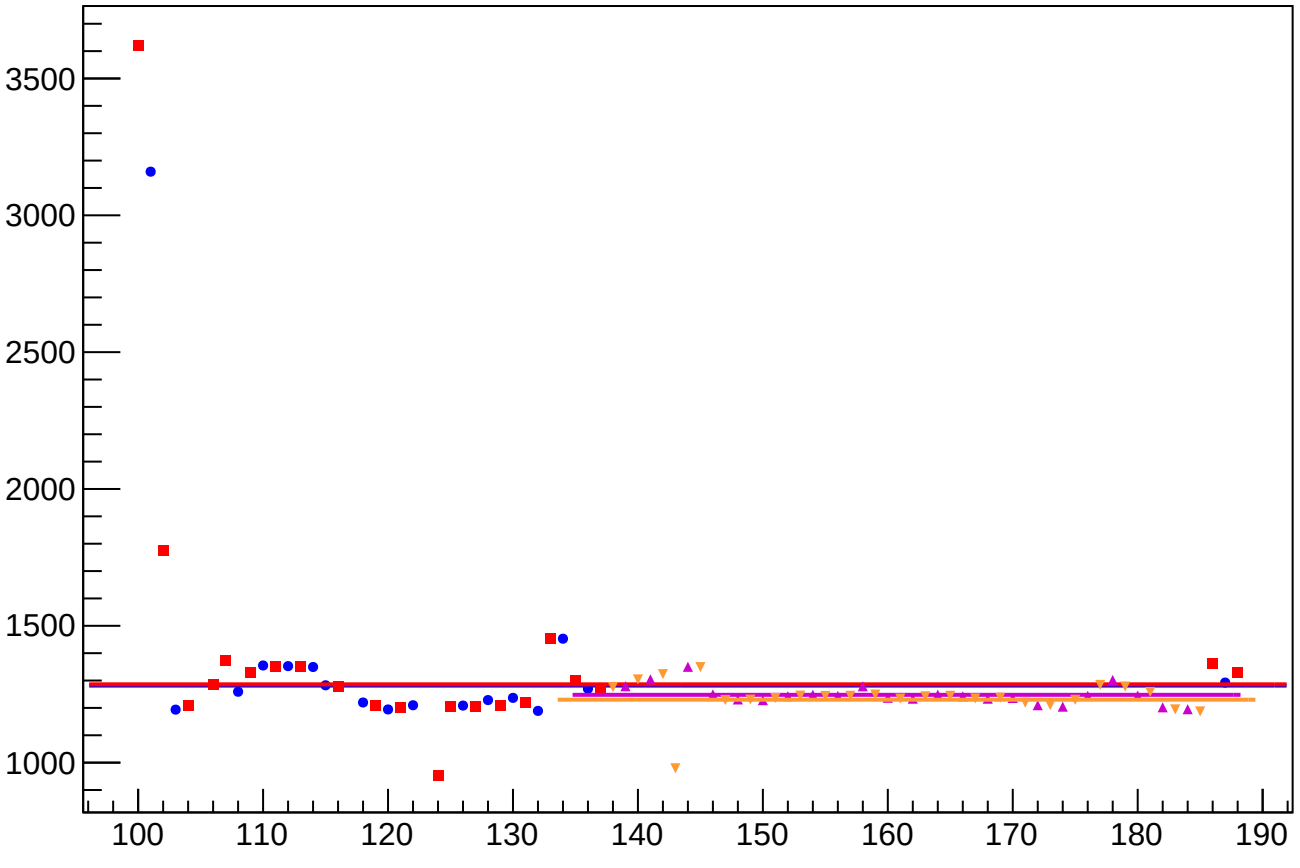
170
180
190
Right In: 593.494+/-479.141 χ²/NDF: 17.1/16
Left Out: -250.849+/-279.923 χ²/NDF:24.0/24
Right Out: -398.578+/-440.118 χ²/NDF: 18.8/20
Left In: -74.881+/-291.458 χ²/NDF:14.0/22
Left: -166.416+/-201.890 χ²/NDF: 38.2/47
Right: 55.420+/-324.130 χ²/NDF: 38.3/37
In: 105.636+/-249.008 χ²/NDF:32.5/39
Out: -293.397+/-236.197 χ²/NDF:42.9/45
All: -104.408+/-171.366 χ²/NDF: 76.8/85



Right In: 1281.660+/-0.339 χ^2/NDF: 507106.2/16

Left Out: 1229.986+/-0.198 χ^2/NDF:141607.5/24

Right Out: 1286.171+/-0.311 χ^2/NDF: 225975.6/20

Left In: 1247.785+/-0.206 χ^2/NDF:27340.8/22

Left: 1238.526+/-0.143 χ^2/NDF: 172828.2/47

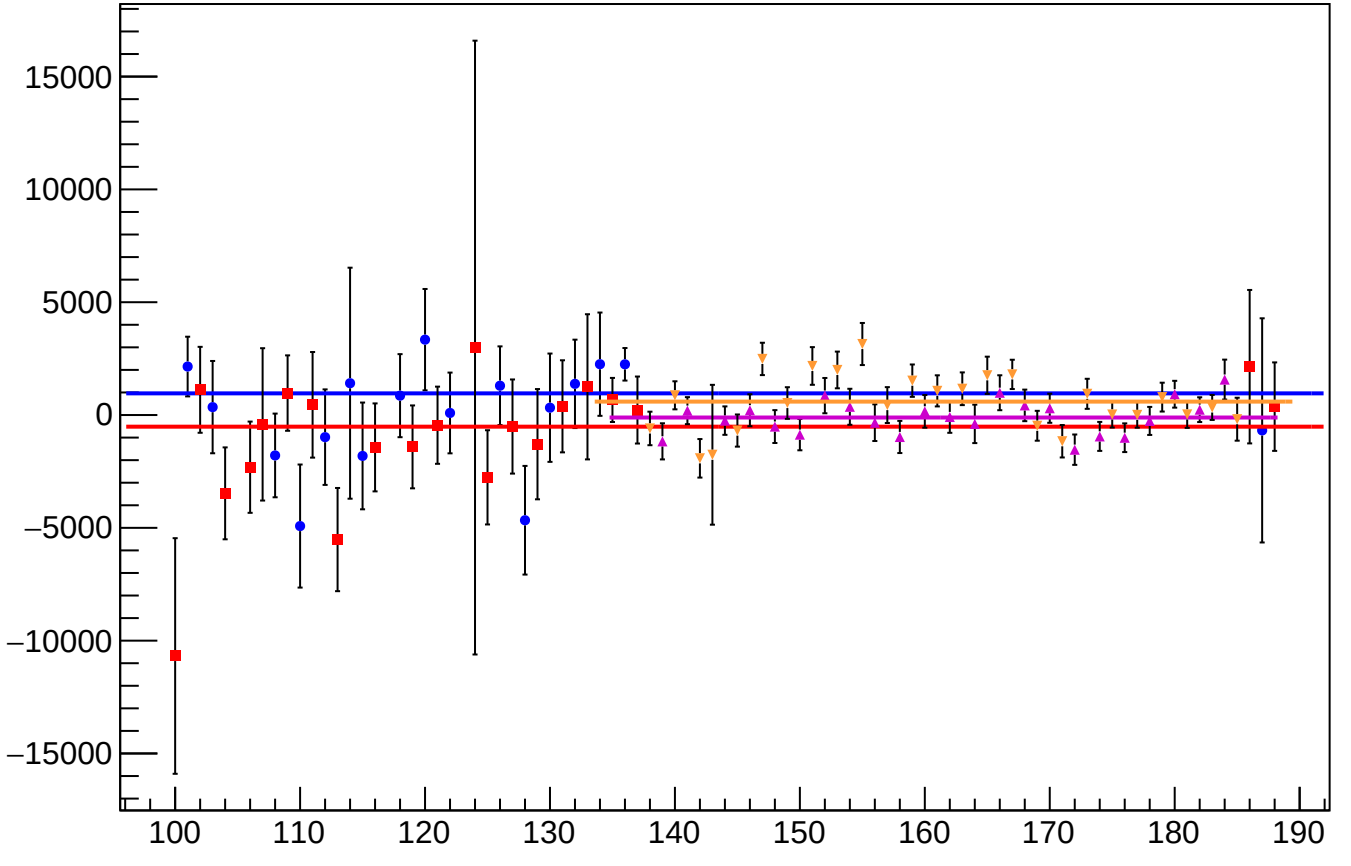
Right: 1284.107+/-0.229 χ^2/NDF: 733177.9/37

In: 1256.934+/-0.176 χ^2/NDF:541743.8/39

Out: 1246.168+/-0.167 χ^2/NDF:390789.7/45

All: 1251.267+/-0.121 χ^2/NDF: 934501.5/85

asym_at1_dd_at2_dd_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: 960.265+/-423.669 χ^2/NDF: 20.6/16

Left Out: 595.000+/-142.130 χ^2/NDF:57.3/24

Right Out: -516.041+/-432.945 χ^2/NDF: 18.0/20

Left In: -110.252+/-144.232 χ^2/NDF:25.7/22

Left: 247.550+/-101.236 χ^2/NDF: 95.2/47

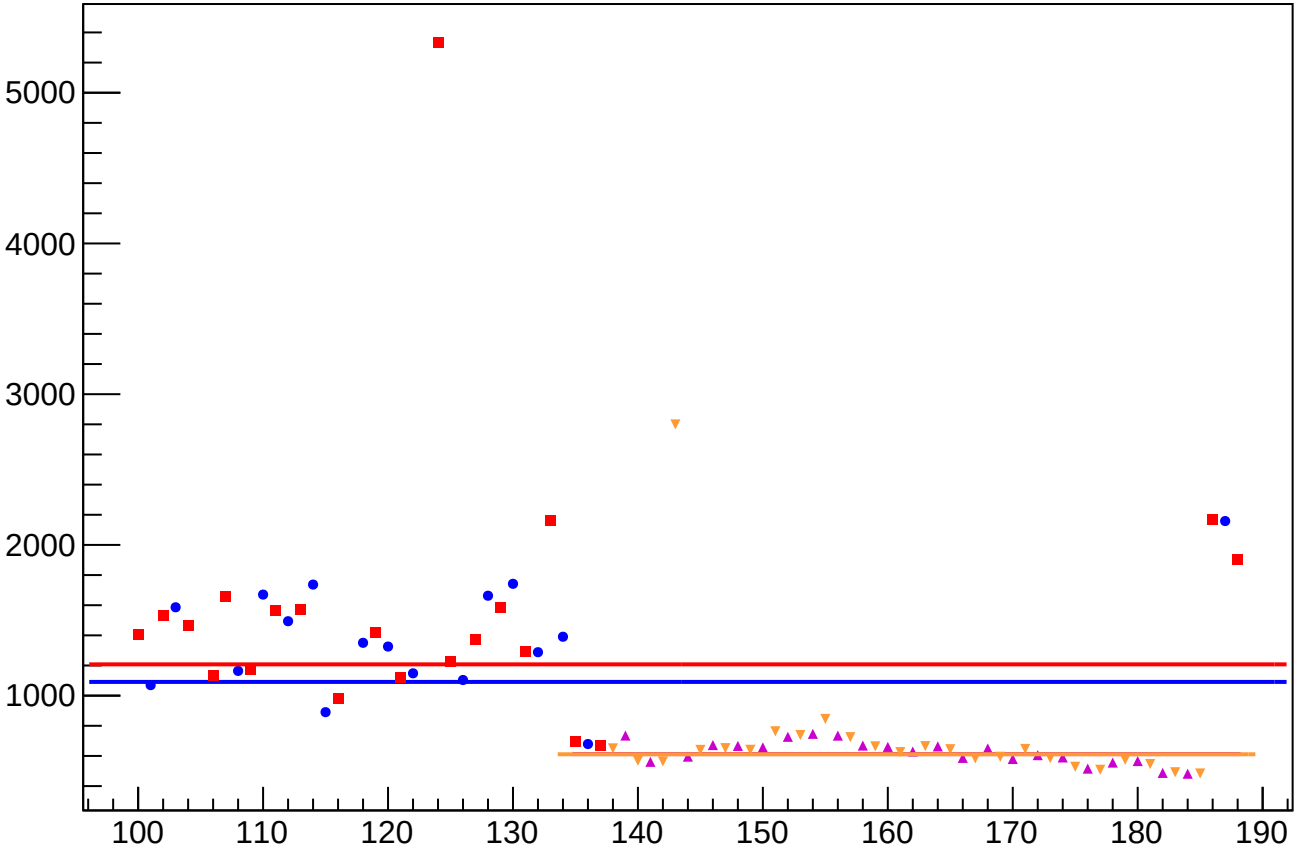
Right: 238.097+/-302.806 χ^2/NDF: 44.5/37

In: 0.932+/-136.537 χ^2/NDF:52.0/39

Out: 486.909+/-135.040 χ^2/NDF:81.3/45

All: 246.600+/-96.013 χ^2/NDF: 139.7/85

asym_at1_dd_at2_dd_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 1091.153+/-0.300 χ^2/NDF: 1453127.6/16

Left Out: 611.087+/-0.101 χ^2/NDF:1619322.3/24

Right Out: 1207.580+/-0.306 χ^2/NDF: 1926728.6/20

Left In: 612.399+/-0.102 χ^2/NDF:508595.4/22

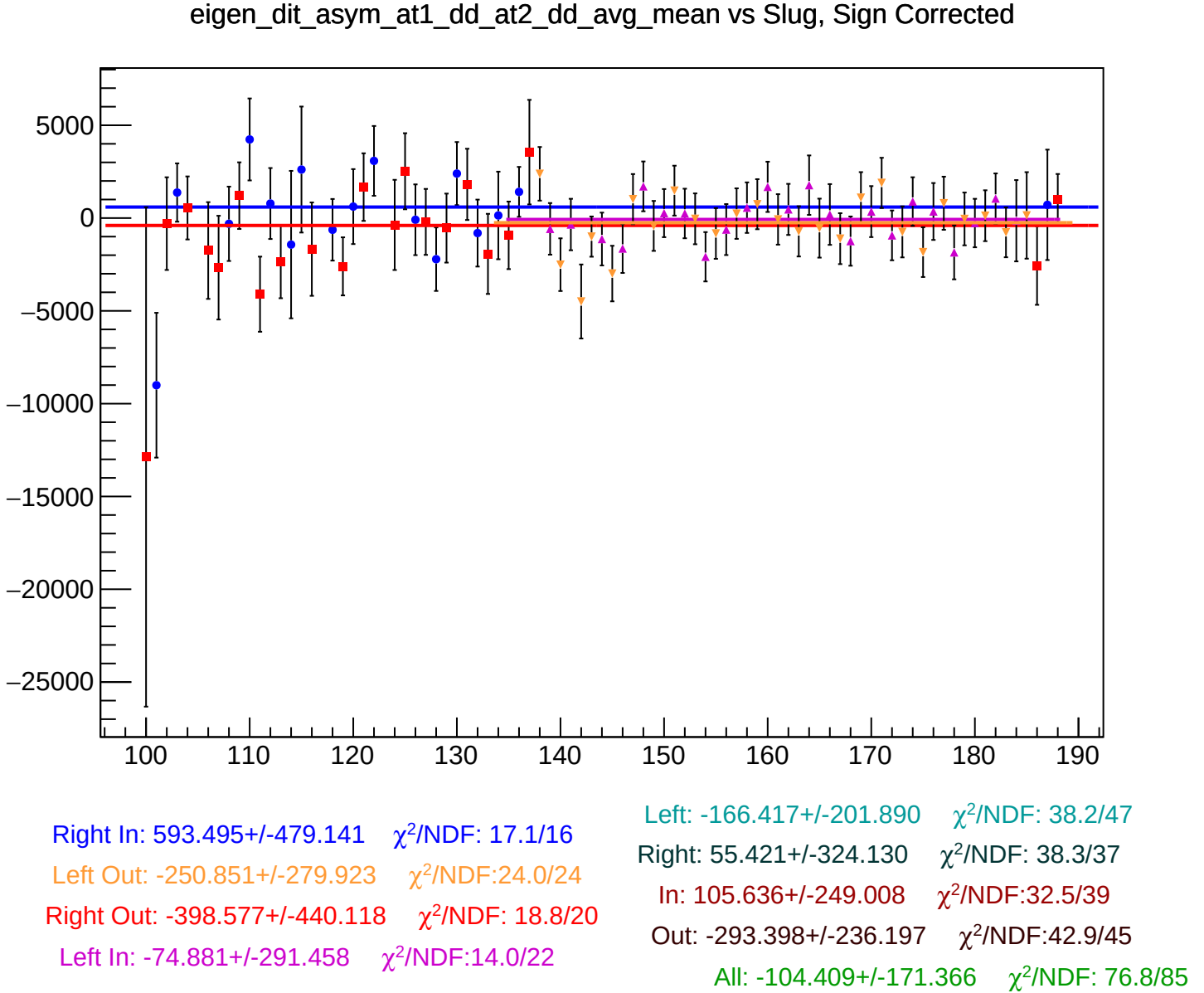
Left: 611.733+/-0.072 χ^2/NDF: 2128001.7/47

Right: 1148.106+/-0.214 χ^2/NDF: 3453738.4/37

In: 662.122+/-0.097 χ^2/NDF:4250363.3/39

Out: 669.118+/-0.095 χ^2/NDF:6973128.3/45

All: 665.659+/-0.068 χ^2/NDF: 11226145.8/85


eigen_dit_asym_at1_dd_at2_dd_avg_mean vs Slug, Sign Corrected
5000
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−20000
−25000
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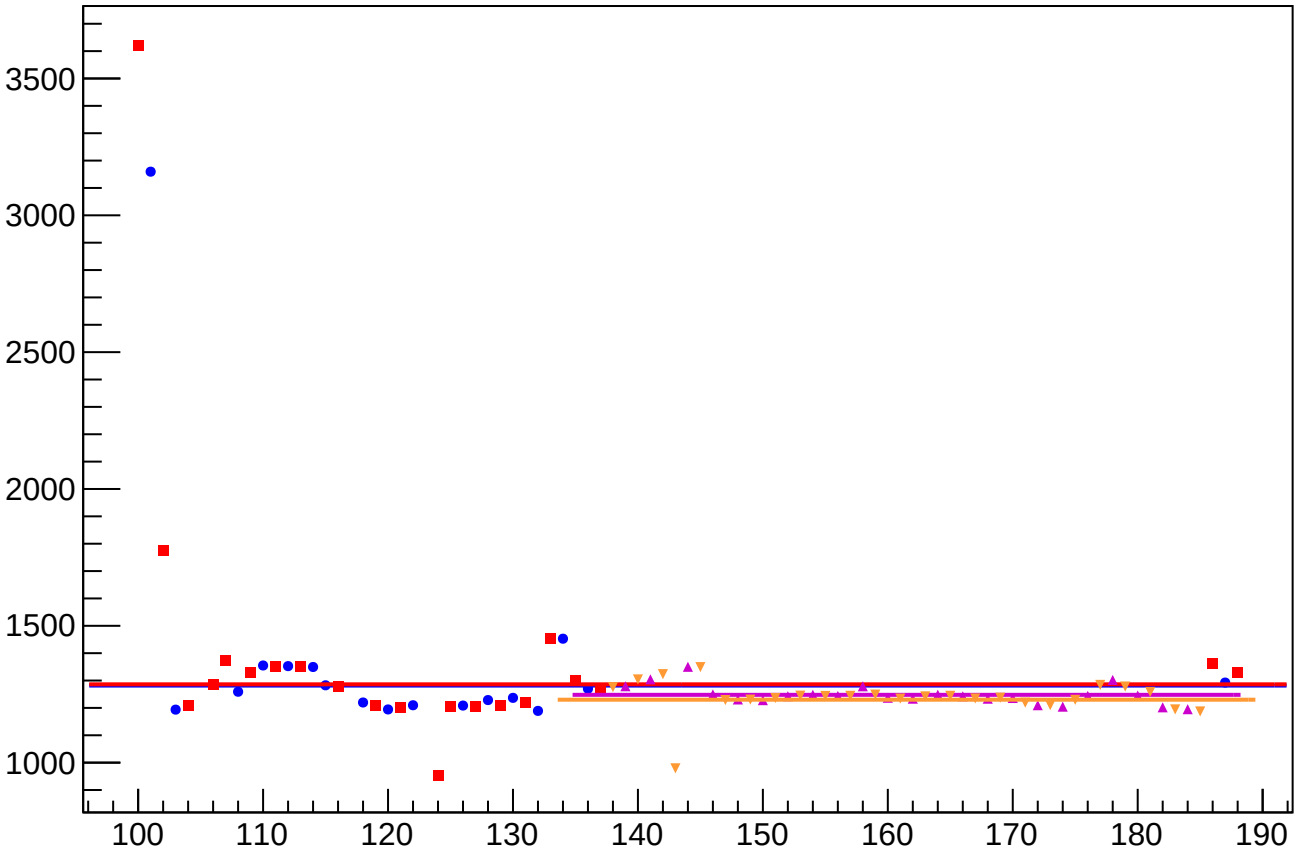
190
Right In: 593.495+/-479.141 χ²/NDF: 17.1/16
Left Out: -250.851+/-279.923 χ²/NDF:24.0/24
Right Out: -398.577+/-440.118 χ²/NDF: 18.8/20
Left In: -74.881+/-291.458 χ²/NDF:14.0/22
Left: -166.417+/-201.890 χ²/NDF: 38.2/47
Right: 55.421+/-324.130 χ²/NDF: 38.3/37
In: 105.636+/-249.008 χ²/NDF:32.5/39
Out: -293.398+/-236.197 χ²/NDF:42.9/45
All: -104.409+/-171.366 χ²/NDF: 76.8/85



Right In: 1281.660+/-0.339 χ^2/NDF: 507106.3/16

Left Out: 1229.986+/-0.198 χ^2/NDF:141606.6/24

Right Out: 1286.171+/-0.311 χ^2/NDF: 225975.5/20

Left In: 1247.785+/-0.206 χ^2/NDF:27340.7/22

Left: 1238.526+/-0.143 χ^2/NDF: 172827.1/47

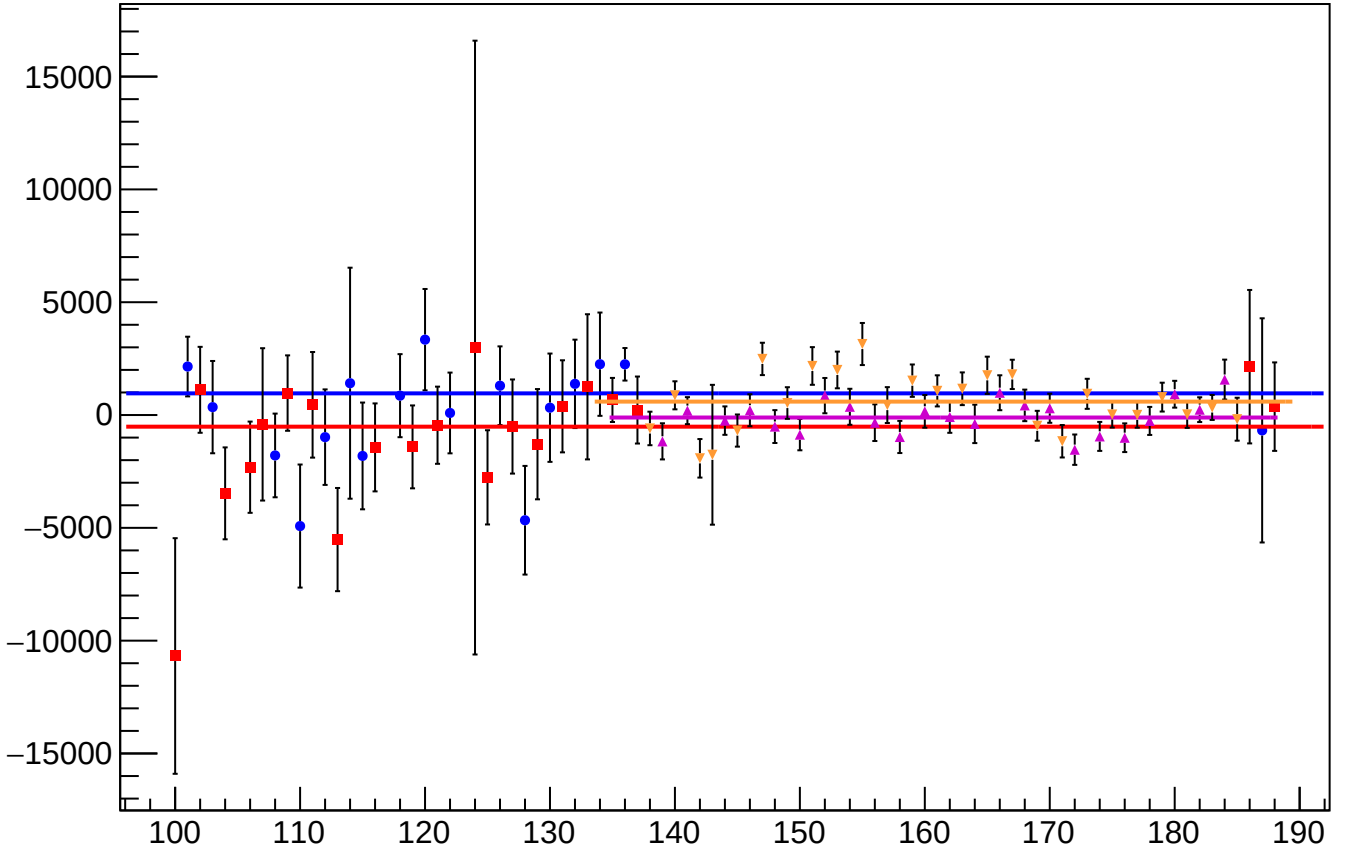
Right: 1284.107+/-0.229 χ^2/NDF: 733178.0/37

In: 1256.934+/-0.176 χ^2/NDF:541743.9/39

Out: 1246.168+/-0.167 χ^2/NDF:390788.7/45

All: 1251.267+/-0.121 χ^2/NDF: 934500.5/85

asym_at1_dd_at2_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 960.259+/-423.671 χ^2/NDF: 20.6/16

Left Out: 595.000+/-142.130 χ^2/NDF:57.3/24

Right Out: -516.050+/-432.947 χ^2/NDF: 18.0/20

Left In: -110.251+/-144.232 χ^2/NDF:25.7/22

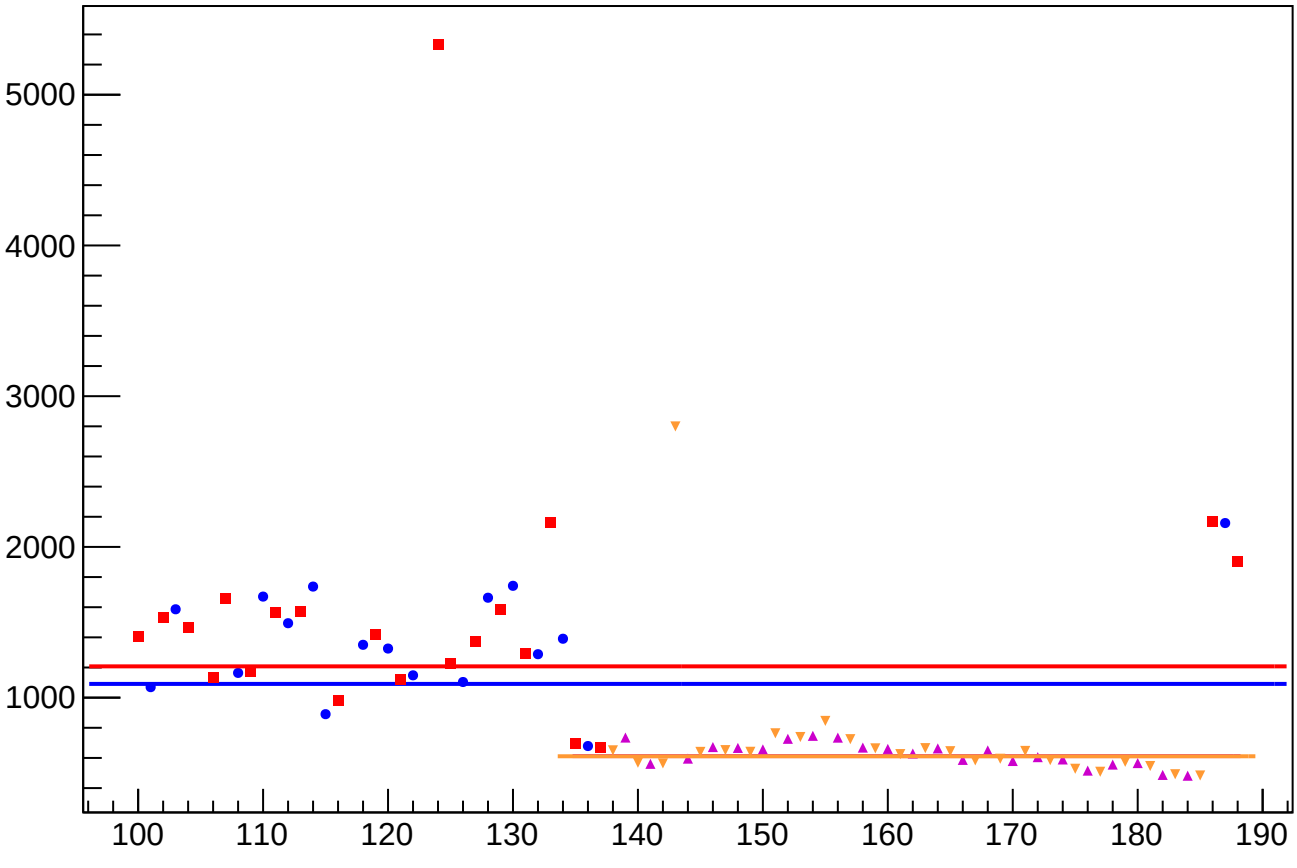
Left: 247.550+/-101.236 χ^2/NDF: 95.2/47

Right: 238.090+/-302.807 χ^2/NDF: 44.5/37

In: 0.931+/-136.537 χ^2/NDF:52.0/39

Out: 486.909+/-135.040 χ^2/NDF:81.3/45

All: 246.599+/-96.013 χ^2/NDF: 139.7/85



Right In: 1091.160+/-0.300 χ^2/NDF: 1453069.6/16

Left Out: 611.086+/-0.101 χ^2/NDF:1619319.5/24

Right Out: 1207.587+/-0.306 χ^2/NDF: 1926671.4/20

Left In: 612.398+/-0.102 χ^2/NDF:508597.7/22

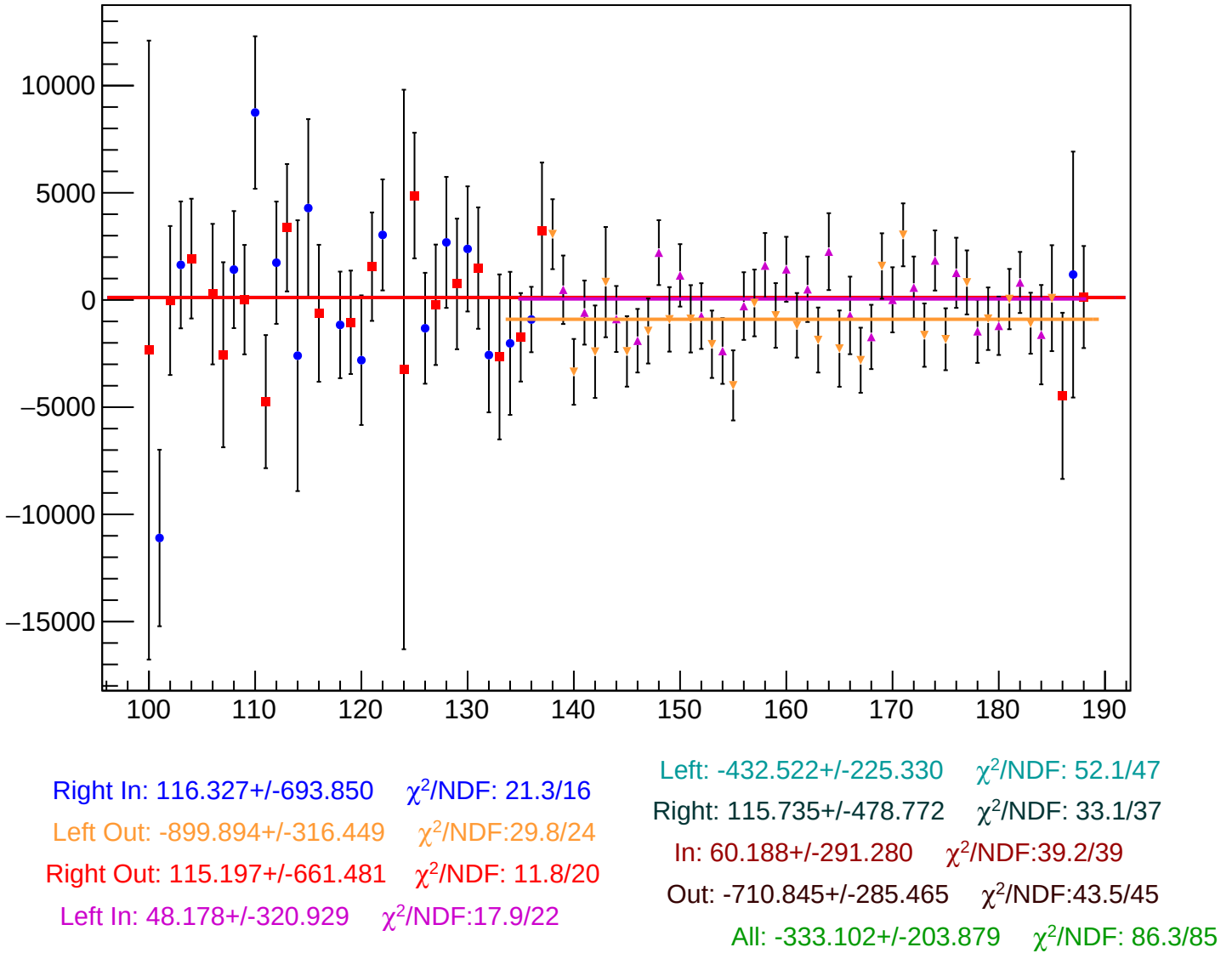
Left: 611.733+/-0.072 χ^2/NDF: 2128001.1/47

Right: 1148.113+/-0.214 χ^2/NDF: 3453623.8/37

In: 662.122+/-0.097 χ^2/NDF:4250360.7/39

Out: 669.118+/-0.095 χ^2/NDF:6973129.8/45

All: 665.658+/-0.068 χ^2/NDF: 11226145.0/85


asym_at1_dd_at2_dd_avg_mean vs Slug, Sign Corrected
10000
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−15000
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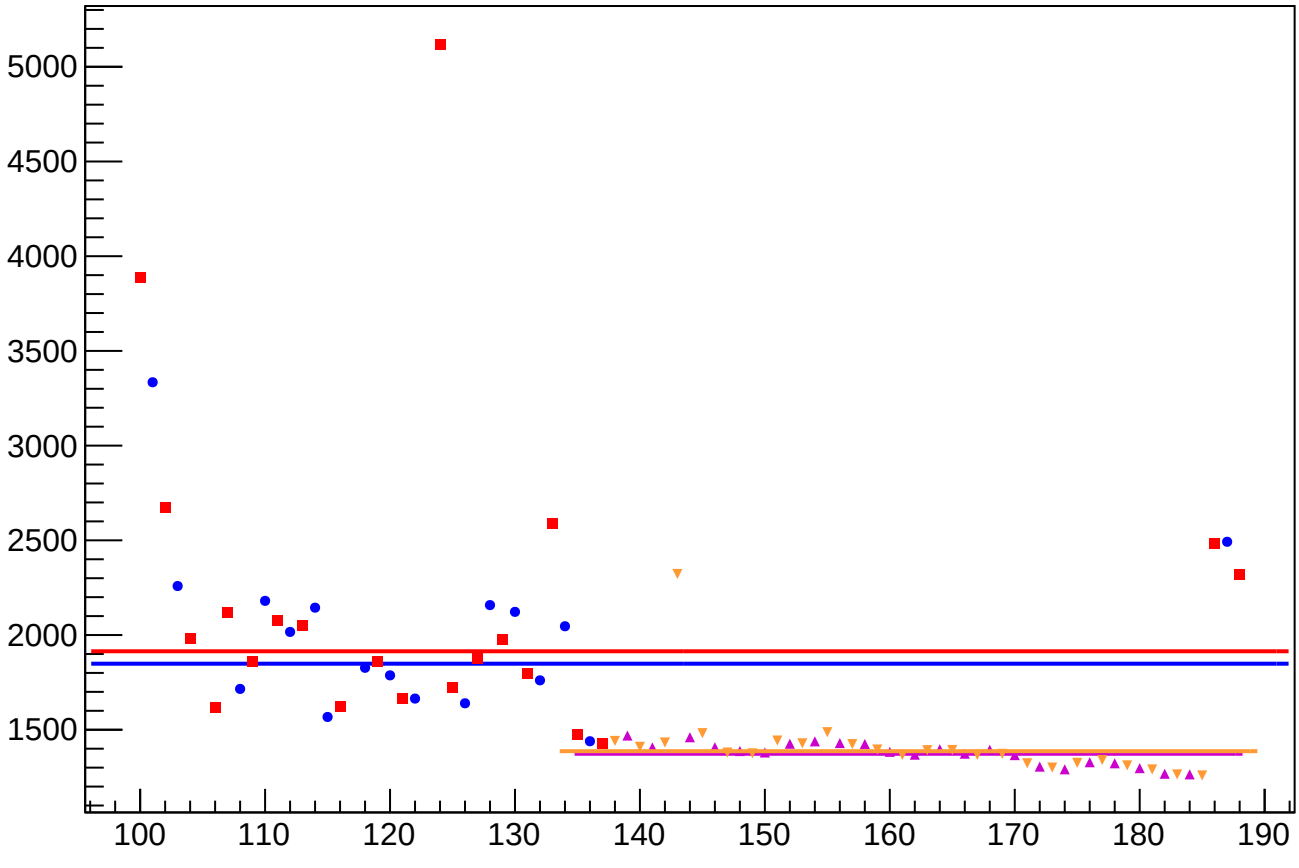
170
180
190
Right In: 116.327+/-693.850 χ²/NDF: 21.3/16
Left Out: -899.894+/-316.449 χ²/NDF:29.8/24
Right Out: 115.197+/-661.481 χ²/NDF: 11.8/20
Left In: 48.178+/-320.929 χ²/NDF:17.9/22
Left: -432.522+/-225.330 χ²/NDF: 52.1/47
Right: 115.735+/-478.772 χ²/NDF: 33.1/37
In: 60.188+/-291.280 χ²/NDF:39.2/39
Out: -710.845+/-285.465 χ²/NDF:43.5/45
All: -333.102+/-203.879 χ²/NDF: 86.3/85



Right In: 1848.673+/-0.491 χ^2/NDF: 582291.5/16

Left Out: 1386.845+/-0.224 χ^2/NDF:339794.5/24

Right Out: 1914.283+/-0.468 χ^2/NDF: 634746.0/20

Left In: 1373.217+/-0.227 χ^2/NDF:64467.6/22

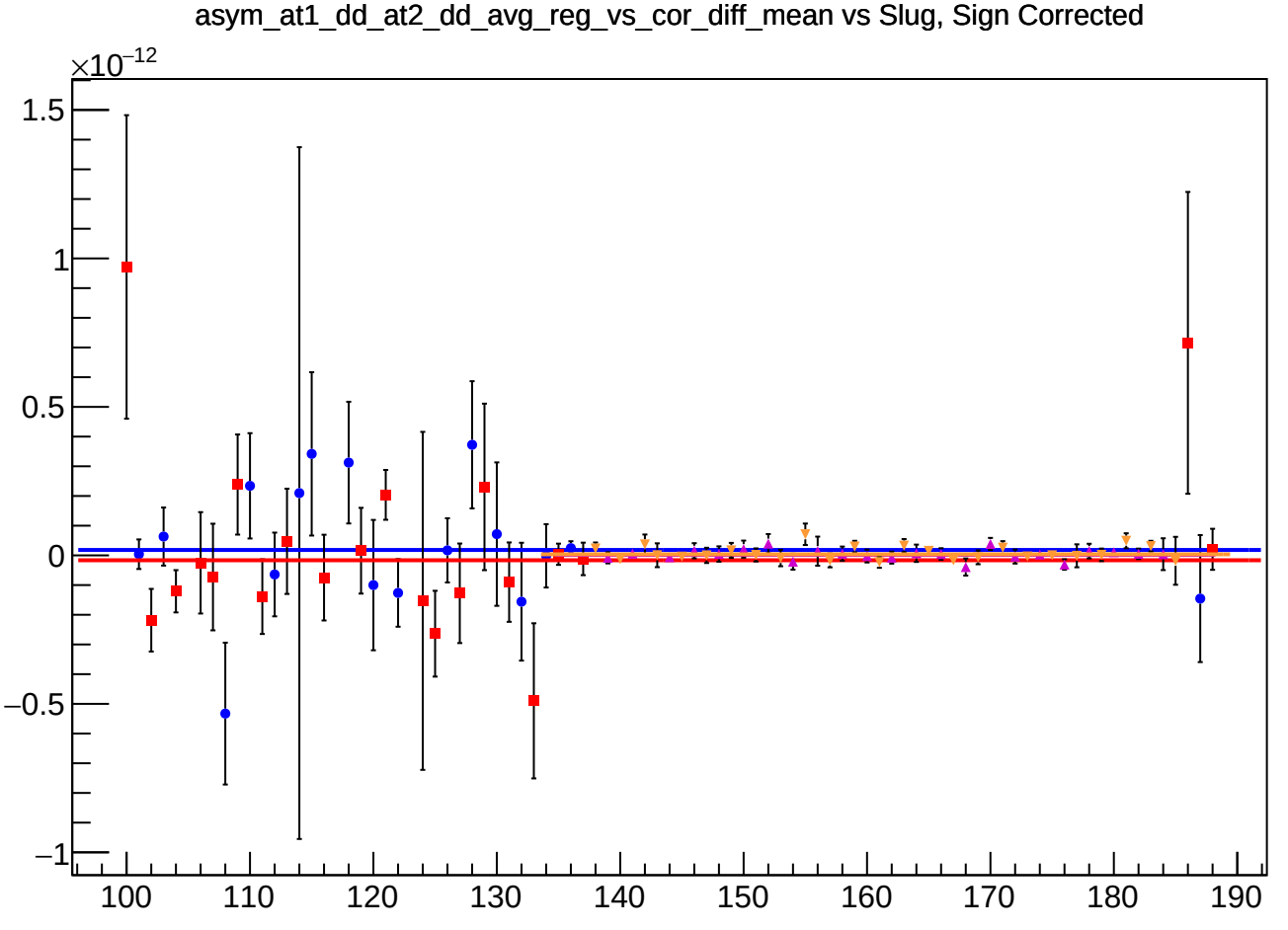
Left: 1380.126+/-0.159 χ^2/NDF: 406090.7/47

Right: 1883.045+/-0.339 χ^2/NDF: 1226406.0/37

In: 1457.009+/-0.206 χ^2/NDF:1420377.3/39

Out: 1485.076+/-0.202 χ^2/NDF:2009311.4/45

All: 1471.325+/-0.144 χ^2/NDF: 3439160.9/85



Right In: 0.000+/-0.000 χ^2/NDF: 17.1/16

Left Out: 0.000+/-0.000 χ^2/NDF:24.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 30.6/20

Left In: 0.000+/-0.000 χ^2/NDF:13.5/22

Left: 0.000+/-0.000 χ^2/NDF: 38.4/47

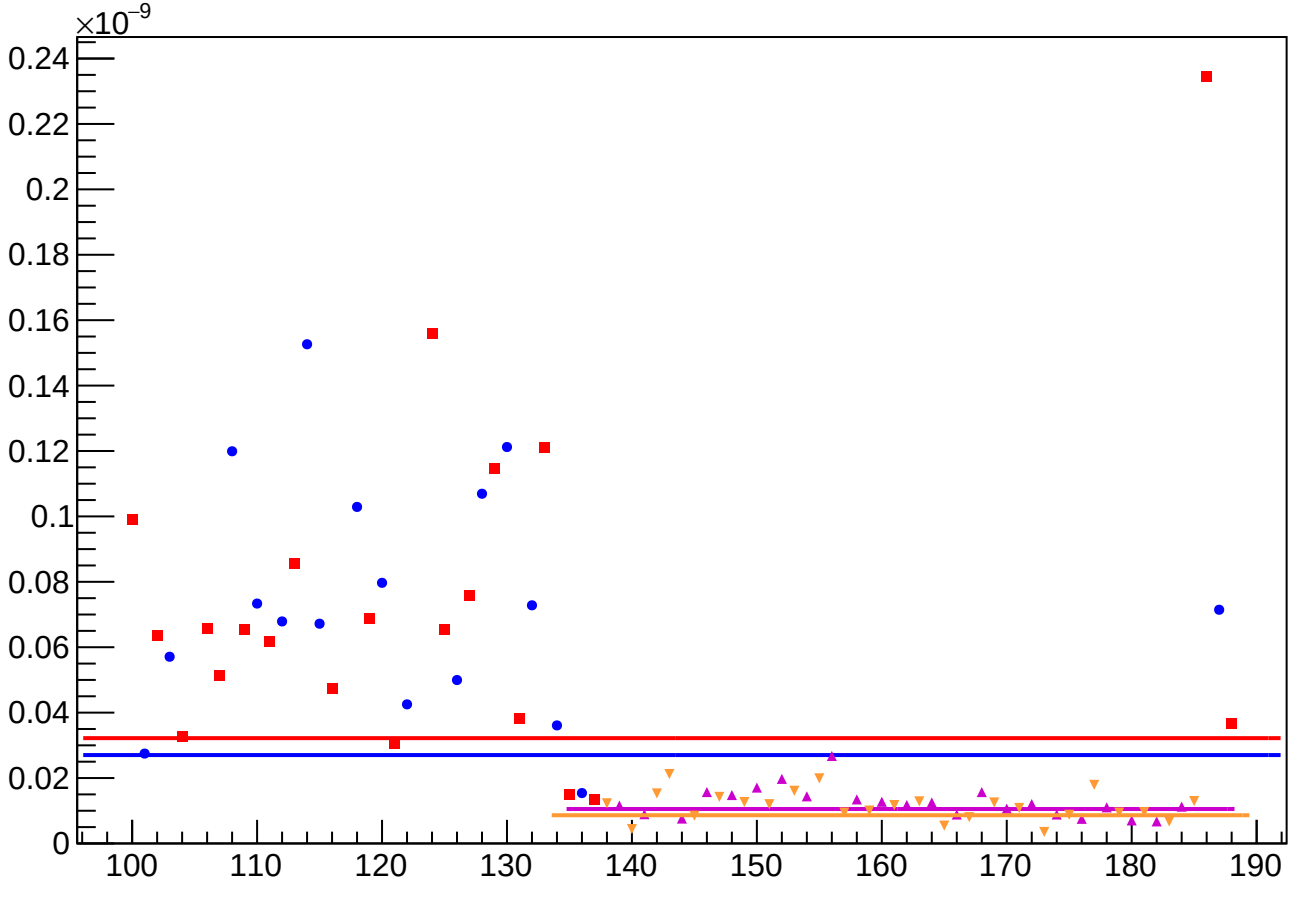
Right: 0.000+/-0.000 χ^2/NDF: 49.2/37

In: 0.000+/-0.000 χ^2/NDF:31.3/39

Out: 0.000+/-0.000 χ^2/NDF:56.3/45

All: 0.000+/-0.000 χ^2/NDF: 87.5/85

asym_at1_dd_at2_dd_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2667669.4/16

Left Out: 0.000+/-0.000 χ^2/NDF:2148494.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2603701.0/20

Left In: 0.000+/-0.000 χ^2/NDF:1232395.4/22

Left: 0.000+/-0.000 χ^2/NDF: 3597627.7/47

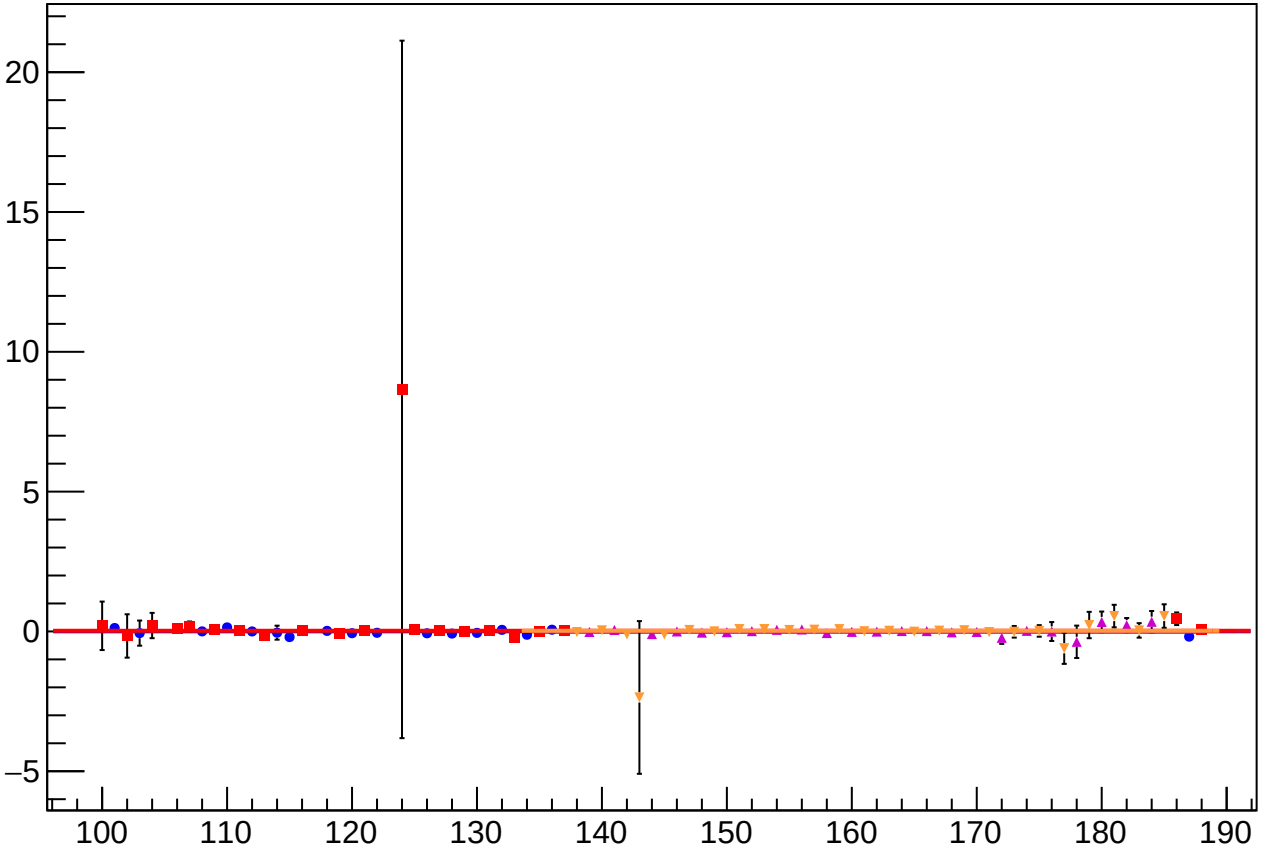
Right: 0.000+/-0.000 χ^2/NDF: 5338206.6/37

In: 0.000+/-0.000 χ^2/NDF:5369102.8/39

Out: 0.000+/-0.000 χ^2/NDF:7147755.1/45

All: 0.000+/-0.000 χ^2/NDF: 12772711.6/85

asym_at1_dd_at2_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.005+/-0.016 χ^2/NDF: 21.6/16

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: 0.023+/-0.015 χ^2/NDF: 18.2/20

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

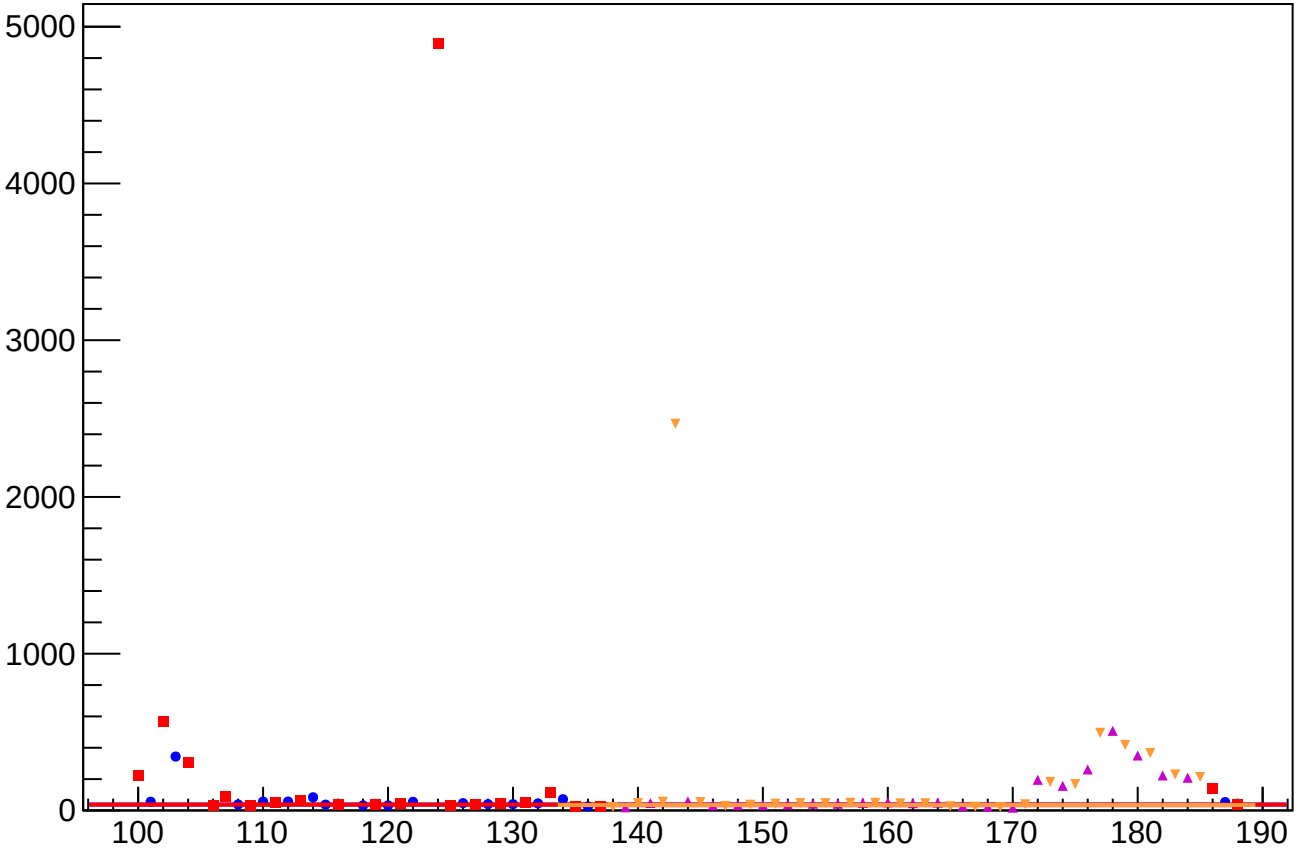
Right: 0.015+/-0.011 χ^2/NDF: 40.4/37

In: -0.005+/-0.008 χ^2/NDF:37.0/39

Out: 0.023+/-0.008 χ^2/NDF:41.1/45

All: 0.009+/-0.006 χ^2/NDF: 83.9/85

asym_at1_dd_at2_dd_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.746+/-0.011 χ^2/NDF: 2014441.7/16

Left Out: 34.624+/-0.007 χ^2/NDF:11402451.4/24

Right Out: 37.179+/-0.011 χ^2/NDF: 3633130.8/20

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

Left: 34.094+/-0.005 χ^2/NDF: 21480396.5/47

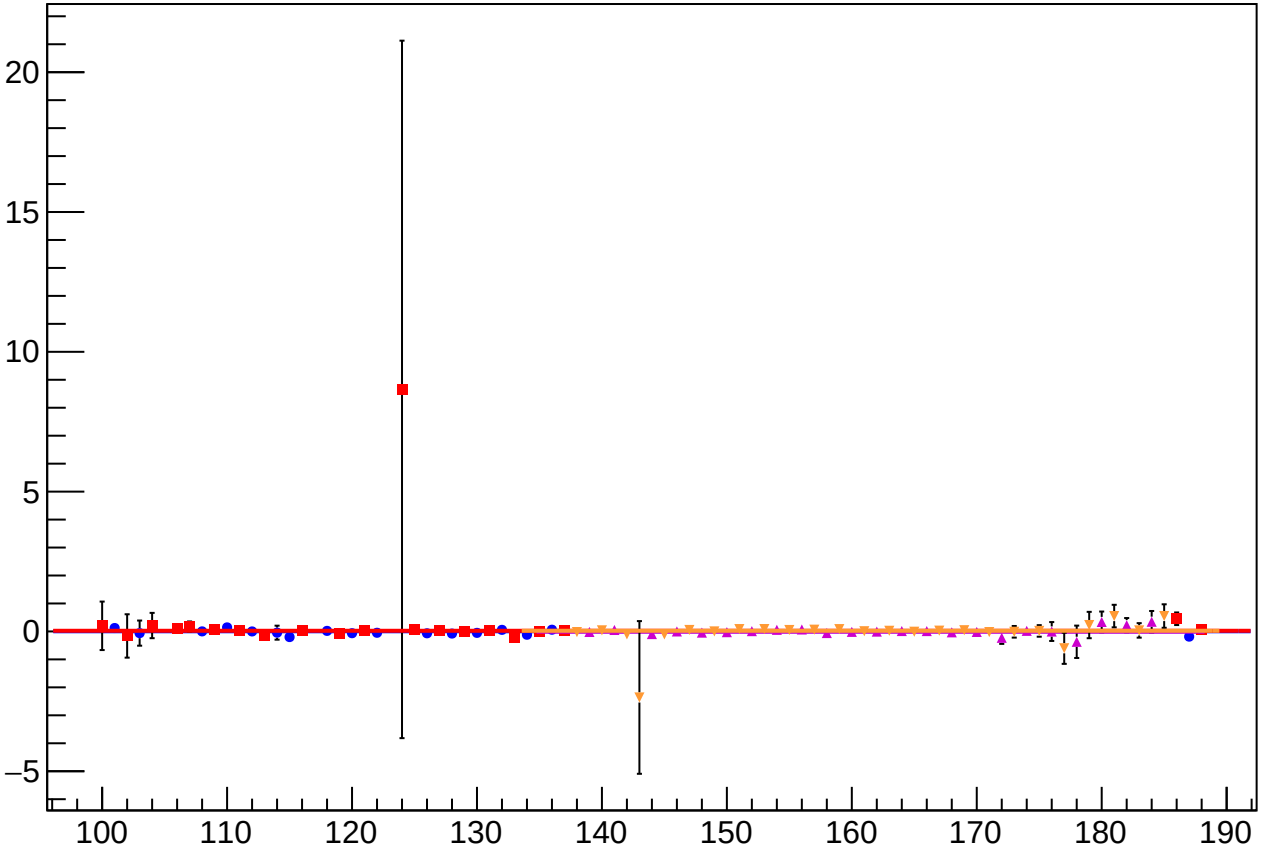
Right: 37.452+/-0.008 χ^2/NDF: 5648885.9/37

In: 34.754+/-0.006 χ^2/NDF:12179615.1/39

Out: 35.407+/-0.006 χ^2/NDF:15074046.1/45

All: 35.078+/-0.004 χ^2/NDF: 27259609.7/85

asym_at1_dd_at2_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.005+/-0.016 χ^2/NDF: 21.6/16

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: 0.023+/-0.015 χ^2/NDF: 18.2/20

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

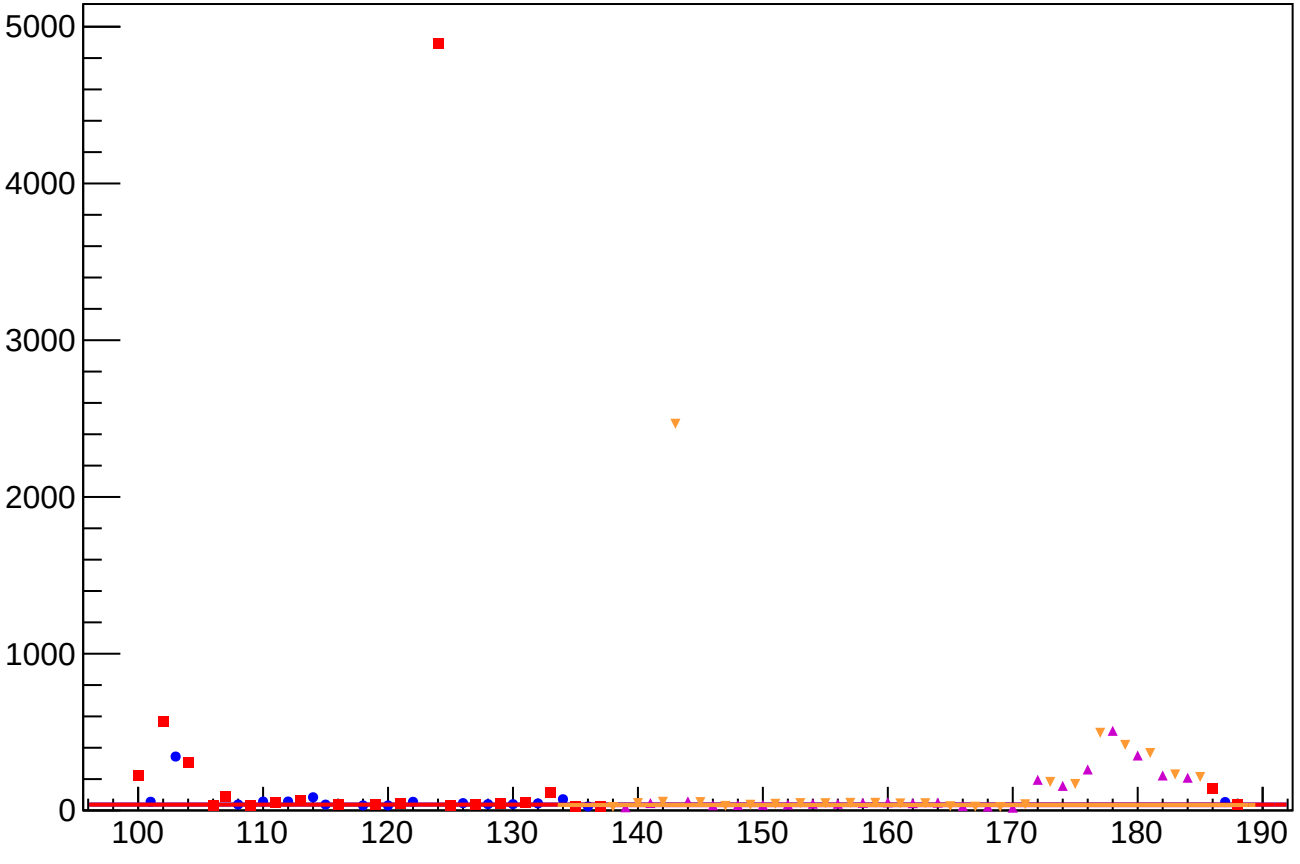
Right: 0.015+/-0.011 χ^2/NDF: 40.4/37

In: -0.005+/-0.008 χ^2/NDF:37.0/39

Out: 0.023+/-0.008 χ^2/NDF:41.1/45

All: 0.009+/-0.006 χ^2/NDF: 83.9/85

asym_at1_dd_at2_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.746+/-0.011 χ^2/NDF: 2014441.7/16

Left Out: 34.624+/-0.007 χ^2/NDF:11402451.4/24

Right Out: 37.179+/-0.011 χ^2/NDF: 3633130.8/20

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

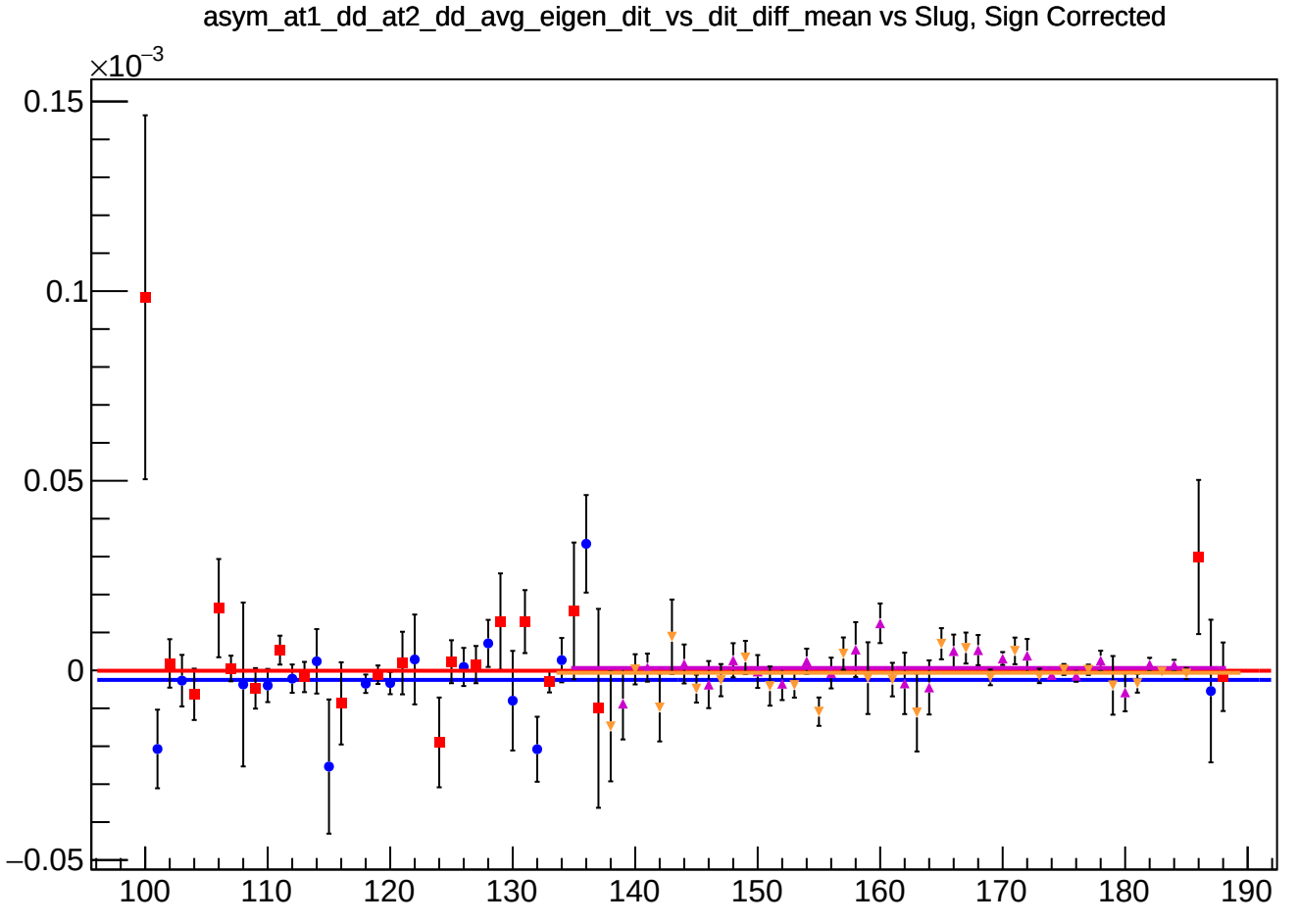
Left: 34.094+/-0.005 χ^2/NDF: 21480396.5/47

Right: 37.452+/-0.008 χ^2/NDF: 5648885.9/37

In: 34.754+/-0.006 χ^2/NDF:12179615.1/39

Out: 35.407+/-0.006 χ^2/NDF:15074046.1/45

All: 35.078+/-0.004 χ^2/NDF: 27259609.7/85



Right In: -0.000+/-0.000 χ^2/NDF: 21.9/16

Left Out: -0.000+/-0.000 χ^2/NDF:28.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 21.1/20

Left In: 0.000+/-0.000 χ^2/NDF:21.9/22

Left: -0.000+/-0.000 χ^2/NDF: 53.2/47

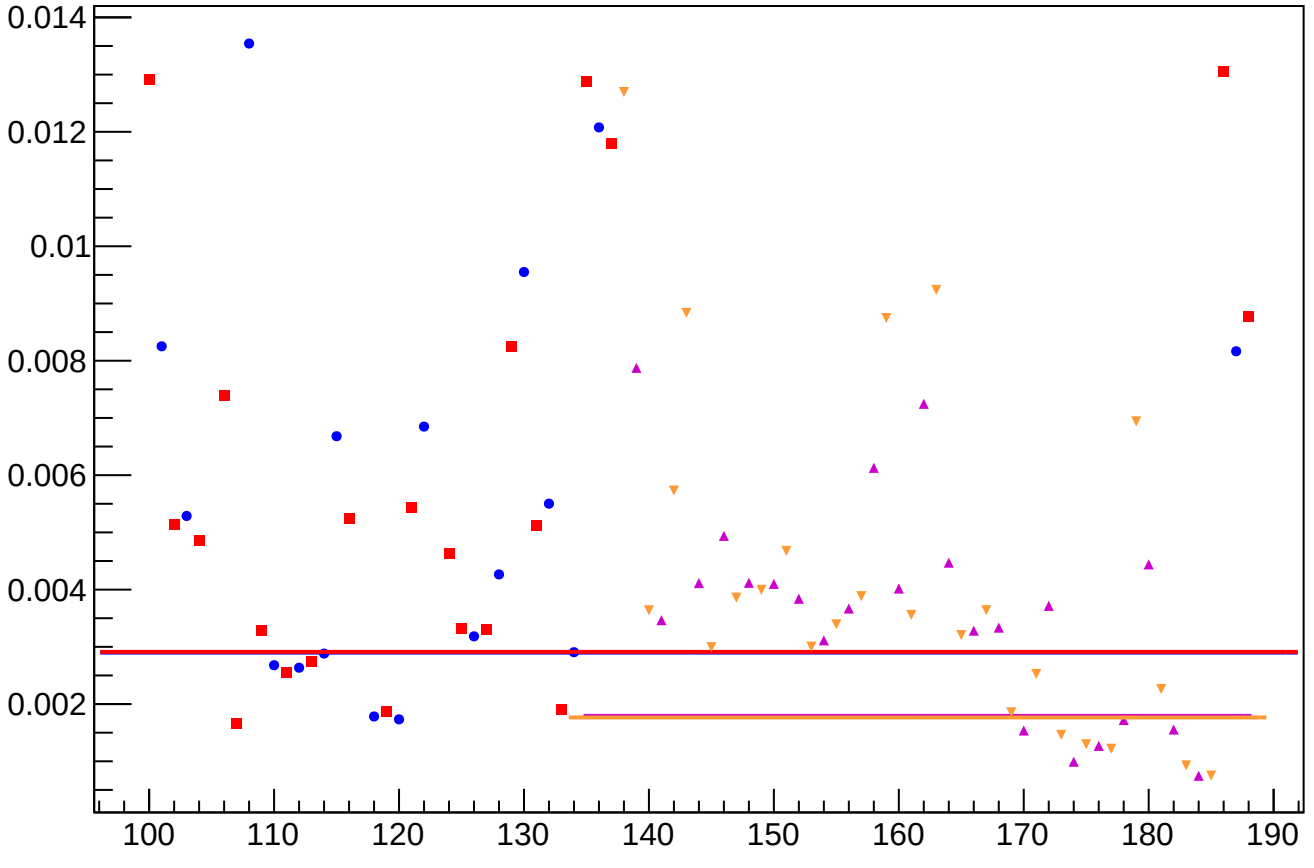
Right: -0.000+/-0.000 χ^2/NDF: 44.9/37

In: 0.000+/-0.000 χ^2/NDF:48.8/39

Out: -0.000+/-0.000 χ^2/NDF:49.7/45

All: -0.000+/-0.000 χ^2/NDF: 99.5/85

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: 4309586.2/16

Left Out: 0.002+/-0.000 χ^2/NDF:12926339.2/24

Right Out: 0.003+/-0.000 χ^2/NDF: 4675260.3/20

Left In: 0.002+/-0.000 χ^2/NDF:10766932.4/22

Left: 0.002+/-0.000 χ^2/NDF: 23695843.2/47

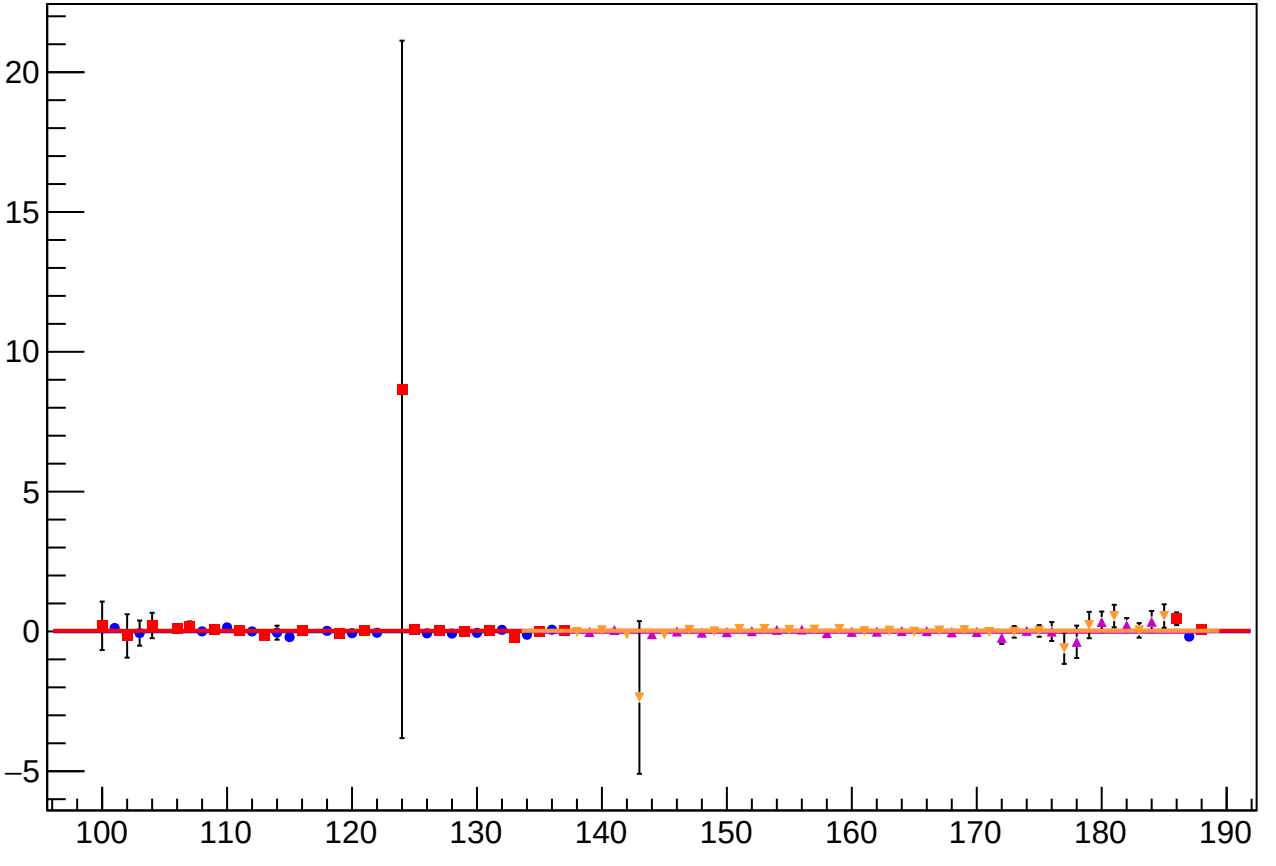
Right: 0.003+/-0.000 χ^2/NDF: 8984942.7/37

In: 0.002+/-0.000 χ^2/NDF:16306307.4/39

Out: 0.002+/-0.000 χ^2/NDF:19229812.4/45

All: 0.002+/-0.000 χ^2/NDF: 35536233.1/85

asym_at1_dd_at2_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.005+/-0.016 χ^2/NDF: 21.6/16

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: 0.023+/-0.015 χ^2/NDF: 18.2/20

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

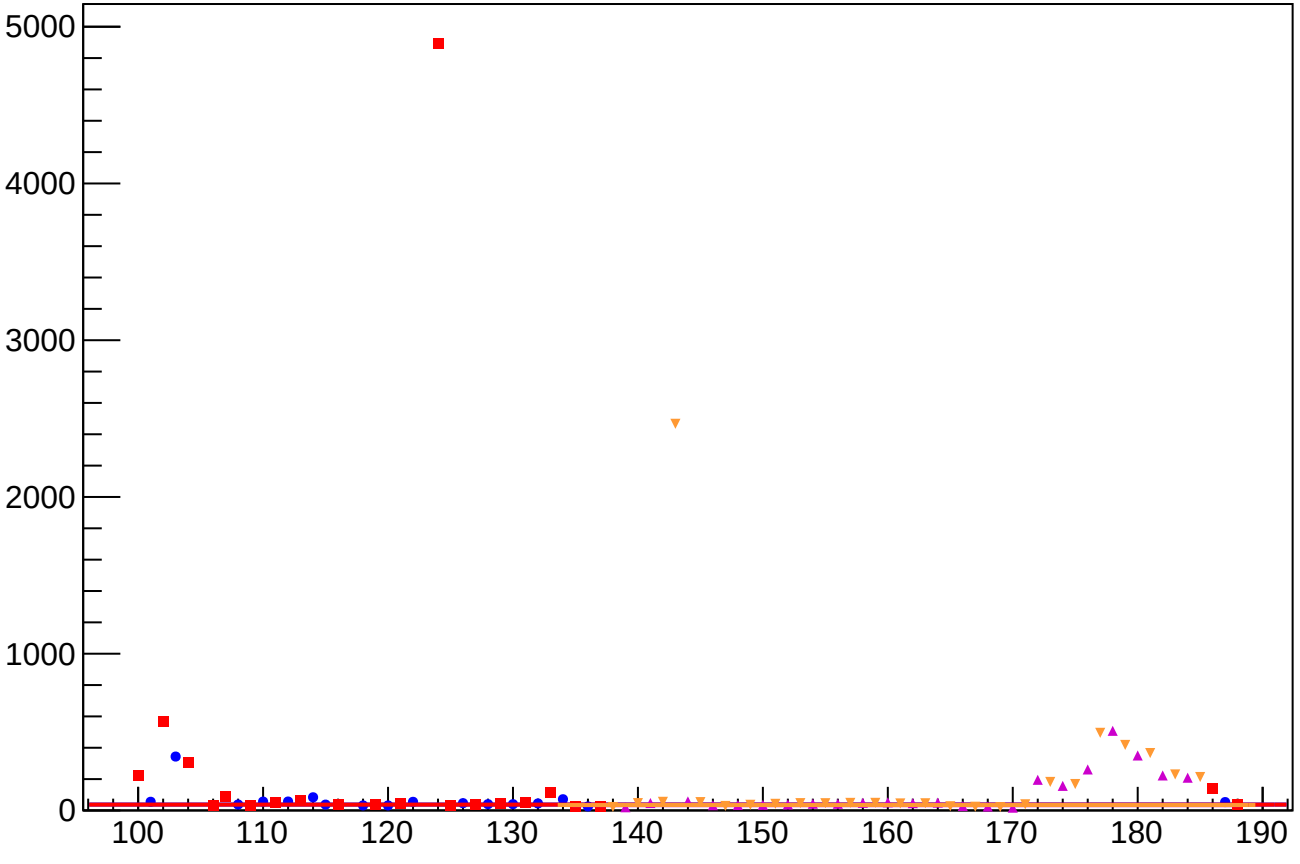
Right: 0.015+/-0.011 χ^2/NDF: 40.4/37

In: -0.005+/-0.008 χ^2/NDF:37.0/39

Out: 0.023+/-0.008 χ^2/NDF:41.1/45

All: 0.009+/-0.006 χ^2/NDF: 83.9/85

asym_at1_dd_at2_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.747+/-0.011 χ^2/NDF: 2014387.4/16

Left Out: 34.623+/-0.007 χ^2/NDF:11402566.2/24

Right Out: 37.181+/-0.011 χ^2/NDF: 3632824.0/20

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

Left: 34.095+/-0.005 χ^2/NDF: 21479175.2/47

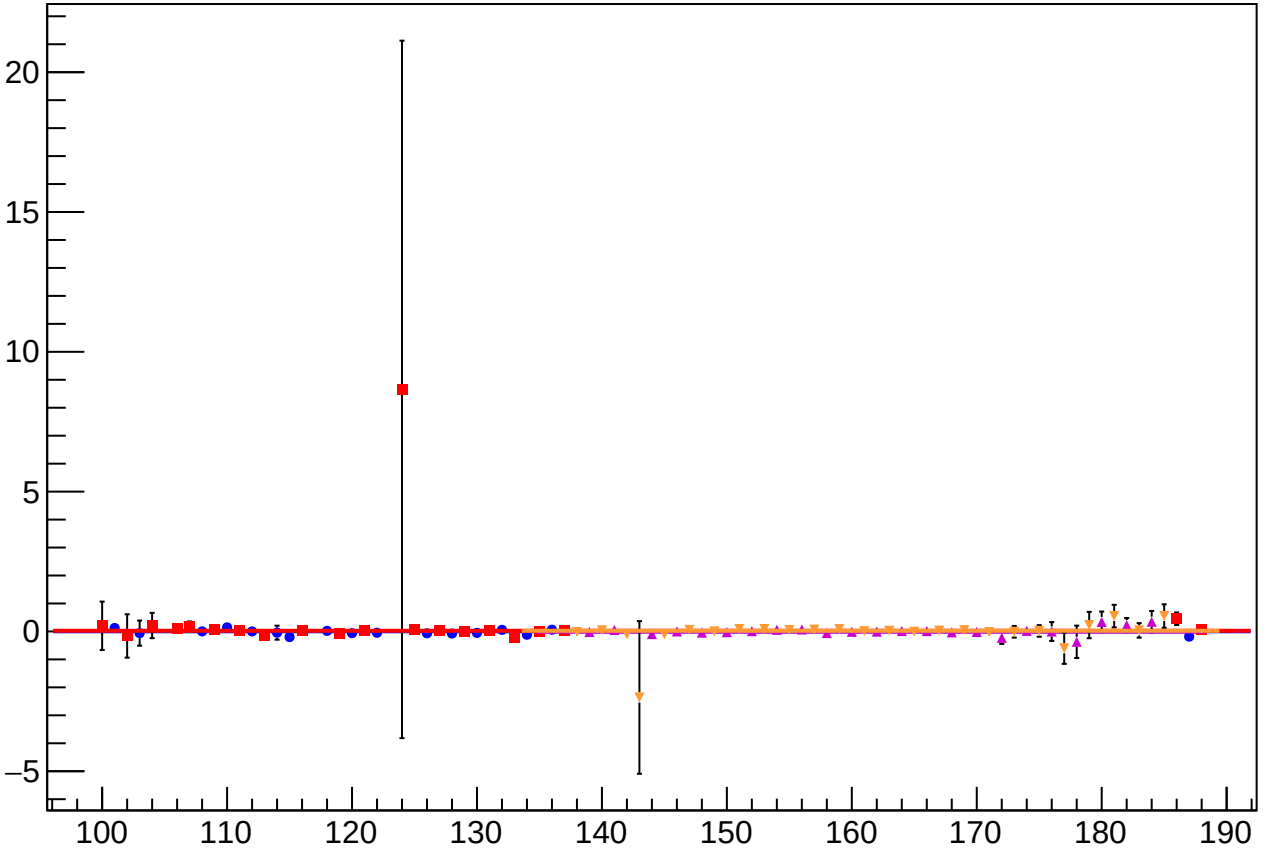
Right: 37.453+/-0.008 χ^2/NDF: 5648518.6/37

In: 34.756+/-0.006 χ^2/NDF:12178208.0/39

Out: 35.407+/-0.006 χ^2/NDF:15073940.5/45

All: 35.079+/-0.004 χ^2/NDF: 27258060.9/85

asym_at1_dd_at2_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.005+/-0.016 χ^2/NDF: 21.6/16

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: 0.023+/-0.015 χ^2/NDF: 18.2/20

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

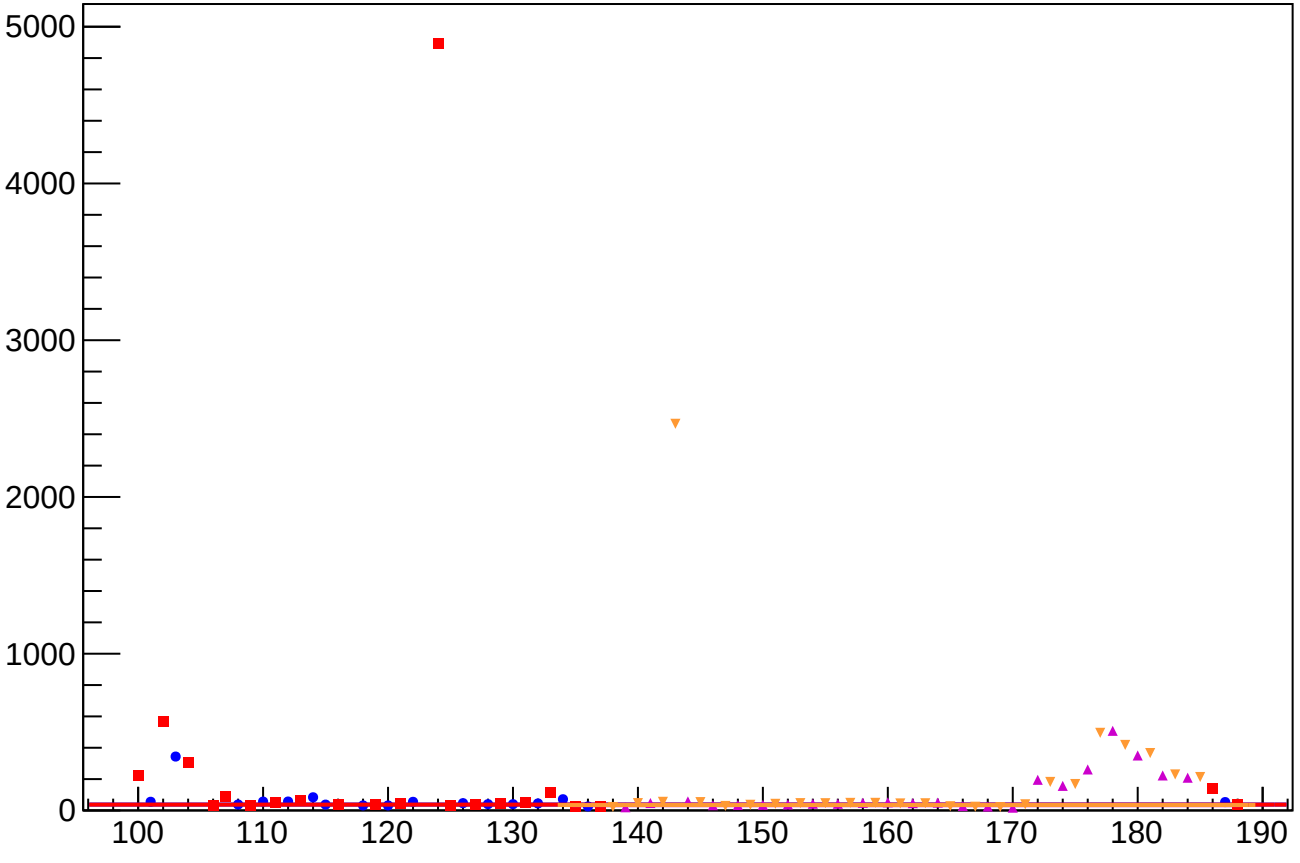
Right: 0.015+/-0.011 χ^2/NDF: 40.4/37

In: -0.005+/-0.008 χ^2/NDF:37.0/39

Out: 0.023+/-0.008 χ^2/NDF:41.1/45

All: 0.009+/-0.006 χ^2/NDF: 83.9/85

asym_at1_dd_at2_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.747+/-0.011 χ^2/NDF: 2014387.4/16

Left Out: 34.623+/-0.007 χ^2/NDF:11402566.2/24

Right Out: 37.181+/-0.011 χ^2/NDF: 3632824.0/20

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

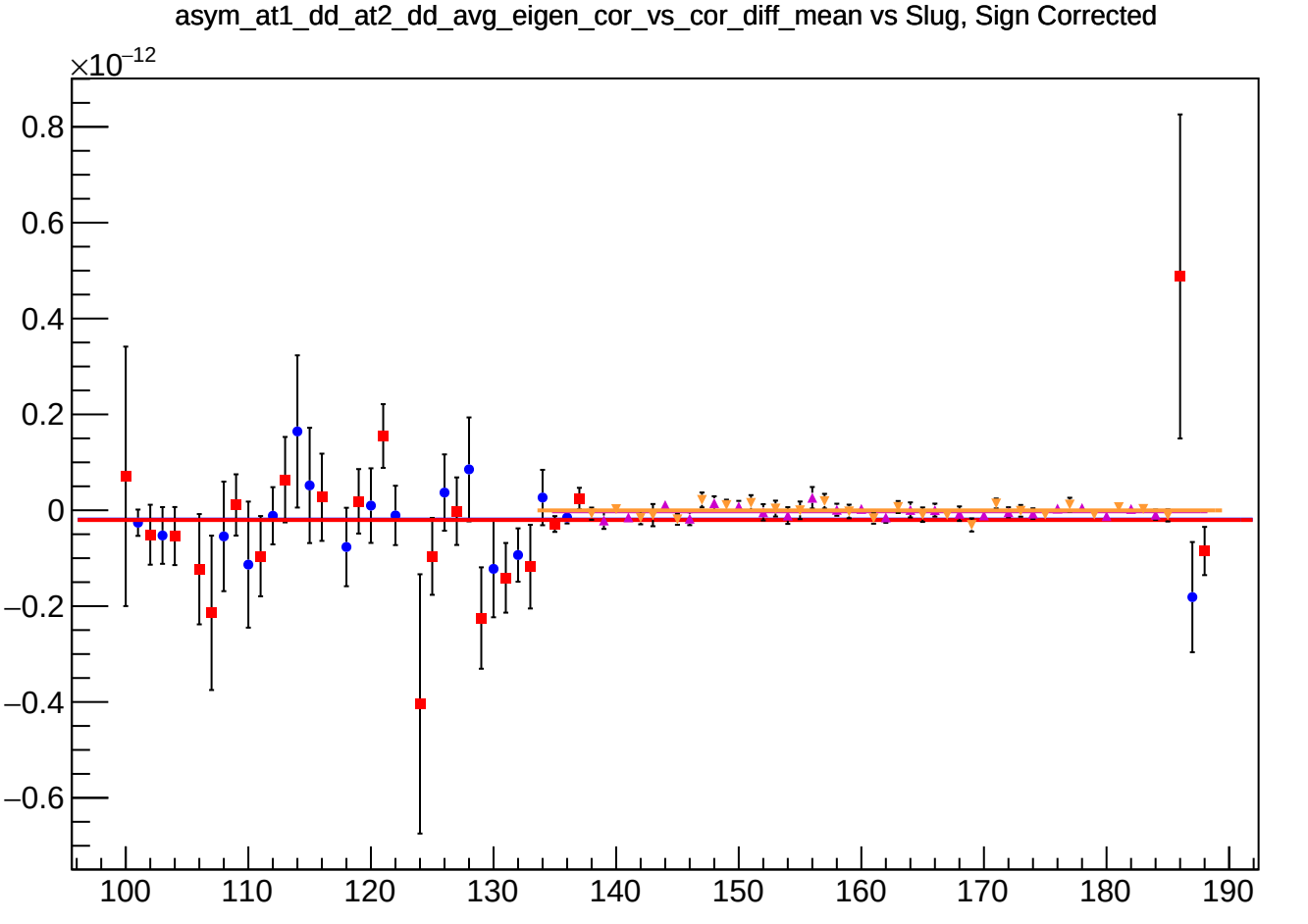
Left: 34.095+/-0.005 χ^2/NDF: 21479175.2/47

Right: 37.453+/-0.008 χ^2/NDF: 5648518.6/37

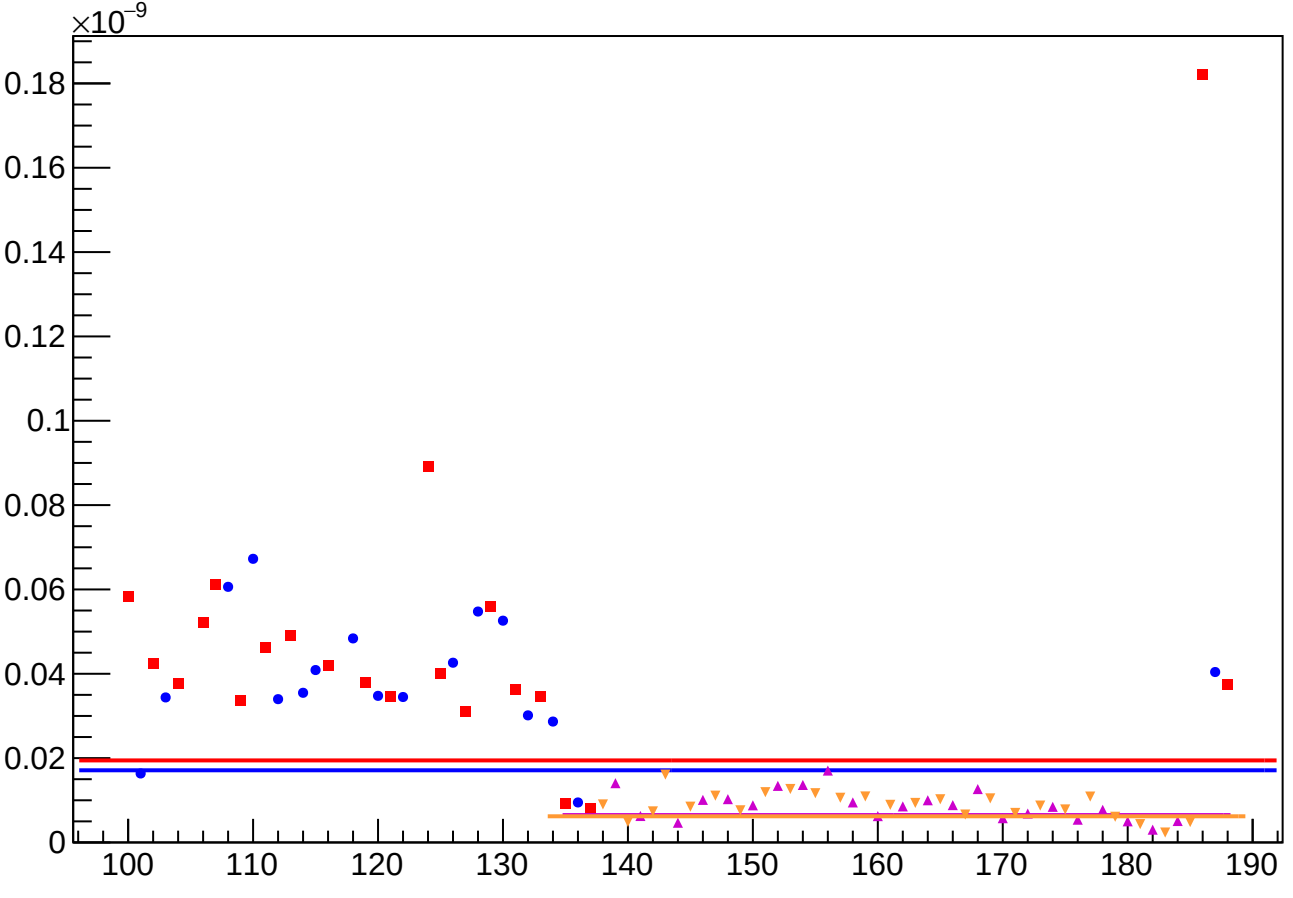
In: 34.756+/-0.006 χ^2/NDF:12178208.0/39

Out: 35.407+/-0.006 χ^2/NDF:15073940.5/45

All: 35.079+/-0.004 χ^2/NDF: 27258060.9/85


asym_at1_dd_at2_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
100
110
120
130
140
150
160
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 10.3/16
Left Out: -0.000+/-0.000 χ²/NDF:26.0/24
Right Out: -0.000+/-0.000 χ²/NDF: 31.2/20
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: 41.6/37
In: -0.000+/-0.000 χ²/NDF:33.2/39
Out: -0.000+/-0.000 χ²/NDF:60.6/45
All: -0.000+/-0.000 χ²/NDF: 94.3/85

asym_at1_dd_at2_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3290674.5/16

Left Out: 0.000+/-0.000 χ^2/NDF:5077918.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4411151.0/20

Left In: 0.000+/-0.000 χ^2/NDF:3998320.2/22

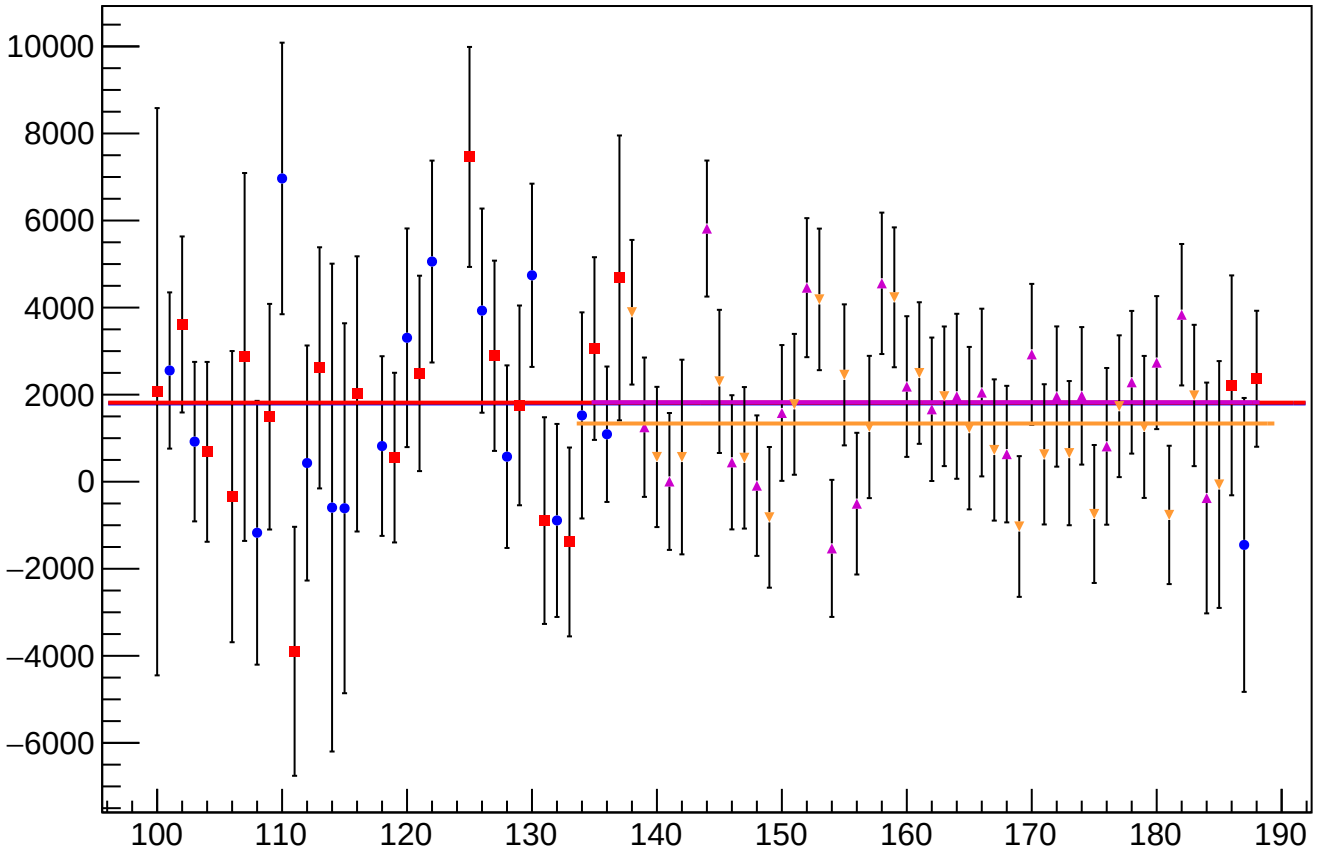
Left: 0.000+/-0.000 χ^2/NDF: 9096603.9/47

Right: 0.000+/-0.000 χ^2/NDF: 7753087.4/37

In: 0.000+/-0.000 χ^2/NDF:9503961.9/39

Out: 0.000+/-0.000 χ^2/NDF:12407097.6/45

All: 0.000+/-0.000 χ^2/NDF: 21934411.0/85



Right In: 1798.080+/-564.197 χ^2/NDF: 13.2/16

Left Out: 1337.008+/-341.012 χ^2/NDF:19.2/23

Right Out: 1815.804+/-538.850 χ^2/NDF: 16.1/19

Left In: 1826.599+/-343.483 χ^2/NDF:26.5/22

Left: 1580.036+/-242.001 χ^2/NDF: 46.7/46

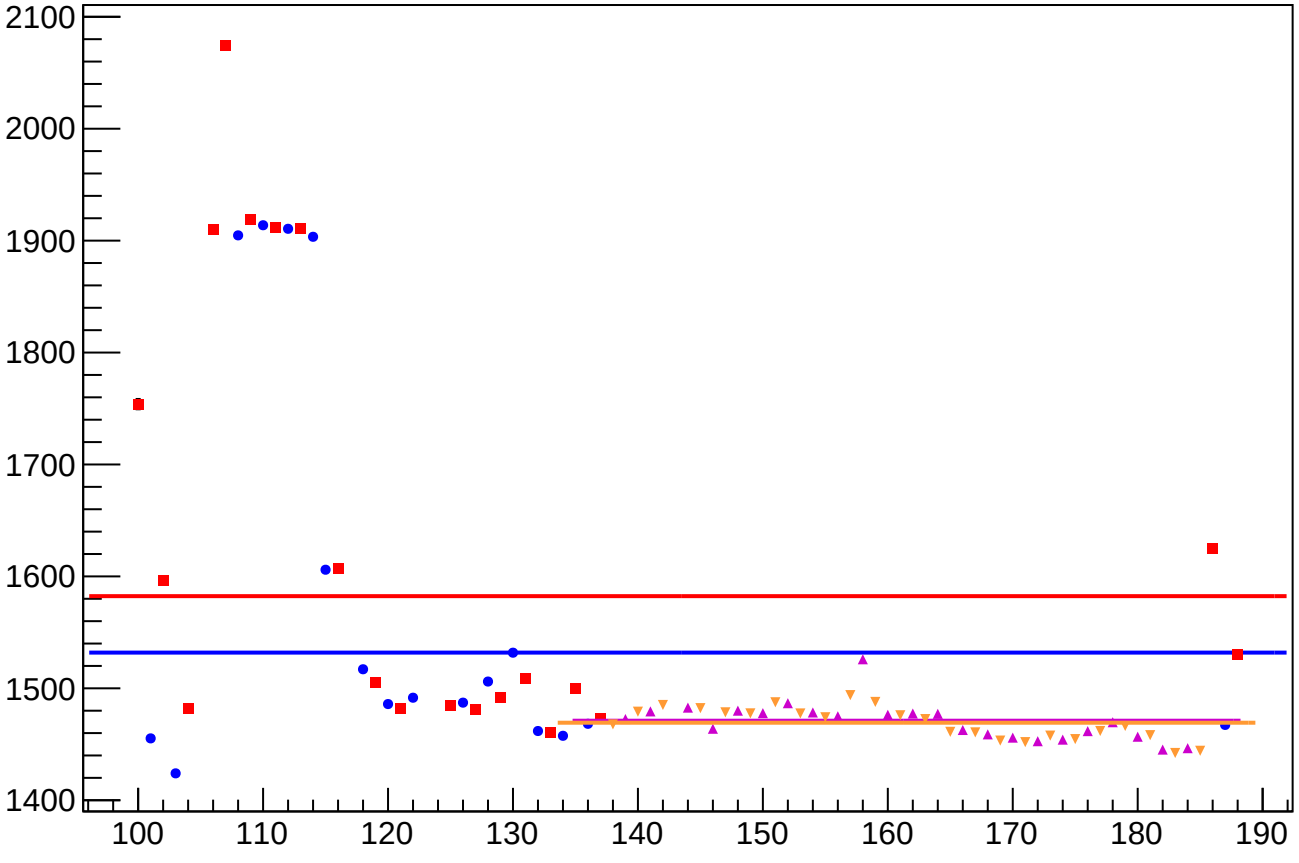
Right: 1807.349+/-389.677 χ^2/NDF: 29.3/36

In: 1818.887+/-293.389 χ^2/NDF:39.6/39

Out: 1473.930+/-288.156 χ^2/NDF:35.9/43

All: 1643.305+/-205.582 χ^2/NDF: 76.3/83

reg_asym_usl_atl1_avg_rms vs Slug, Sign Corrected



Right In: 1531.914+/-0.399 χ^2/NDF: 130025.3/16

Left Out: 1469.267+/-0.241 χ^2/NDF:3155.3/23

Right Out: 1582.350+/-0.381 χ^2/NDF: 174928.1/19

Left In: 1471.054+/-0.243 χ^2/NDF:4642.4/22

Left: 1470.154+/-0.171 χ^2/NDF: 7825.0/46

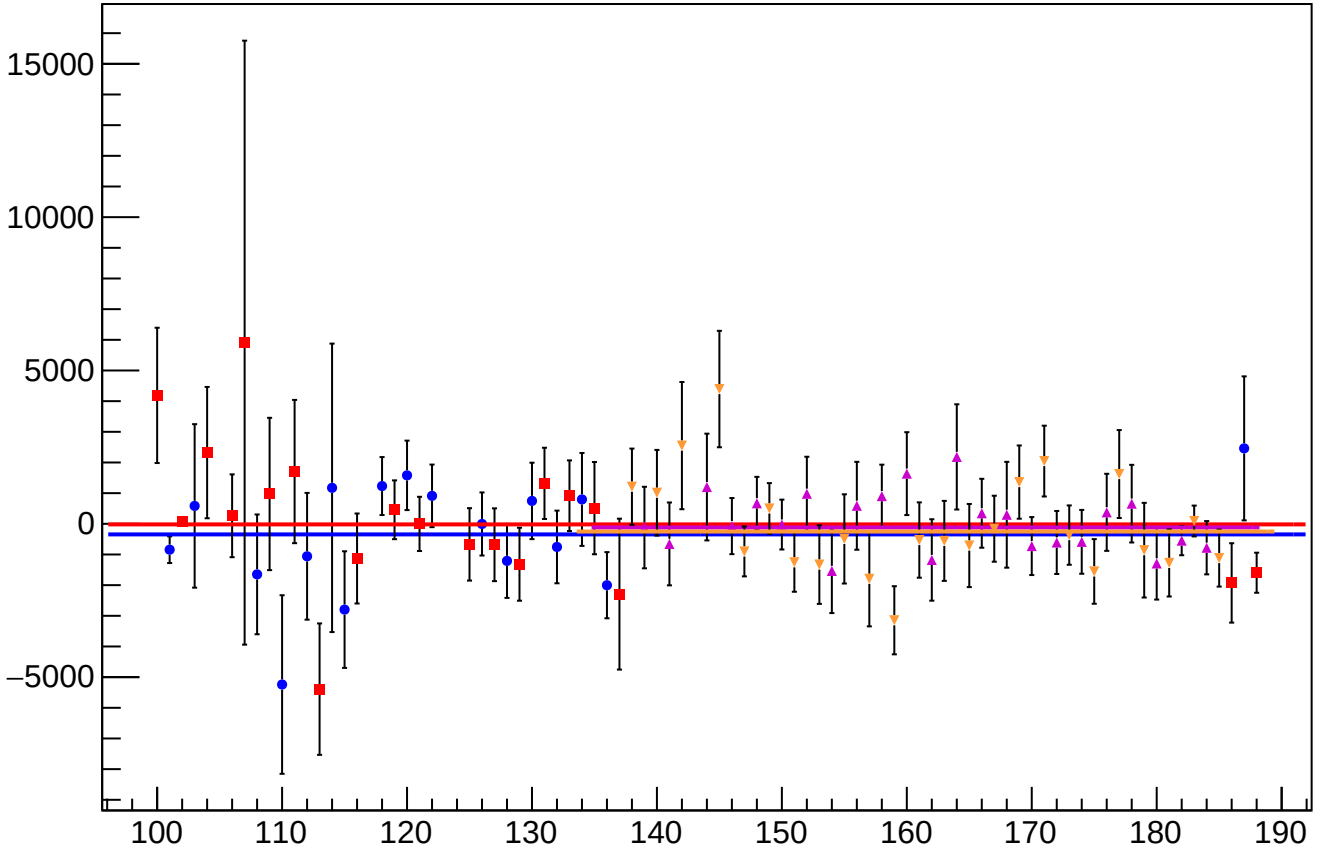
Right: 1558.291+/-0.276 χ^2/NDF: 313311.8/36

In: 1487.511+/-0.207 χ^2/NDF:151646.9/39

Out: 1501.605+/-0.204 χ^2/NDF:240977.5/43

All: 1494.685+/-0.145 χ^2/NDF: 394973.5/83

asym_usl_atl1_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -345.077+/-270.398 χ^2/NDF: 19.6/16

Left Out: -251.610+/-218.369 χ^2/NDF:32.7/23

Right Out: -18.862+/-124.744 χ^2/NDF: 26.2/19

Left In: -119.802+/-215.975 χ^2/NDF:12.8/22

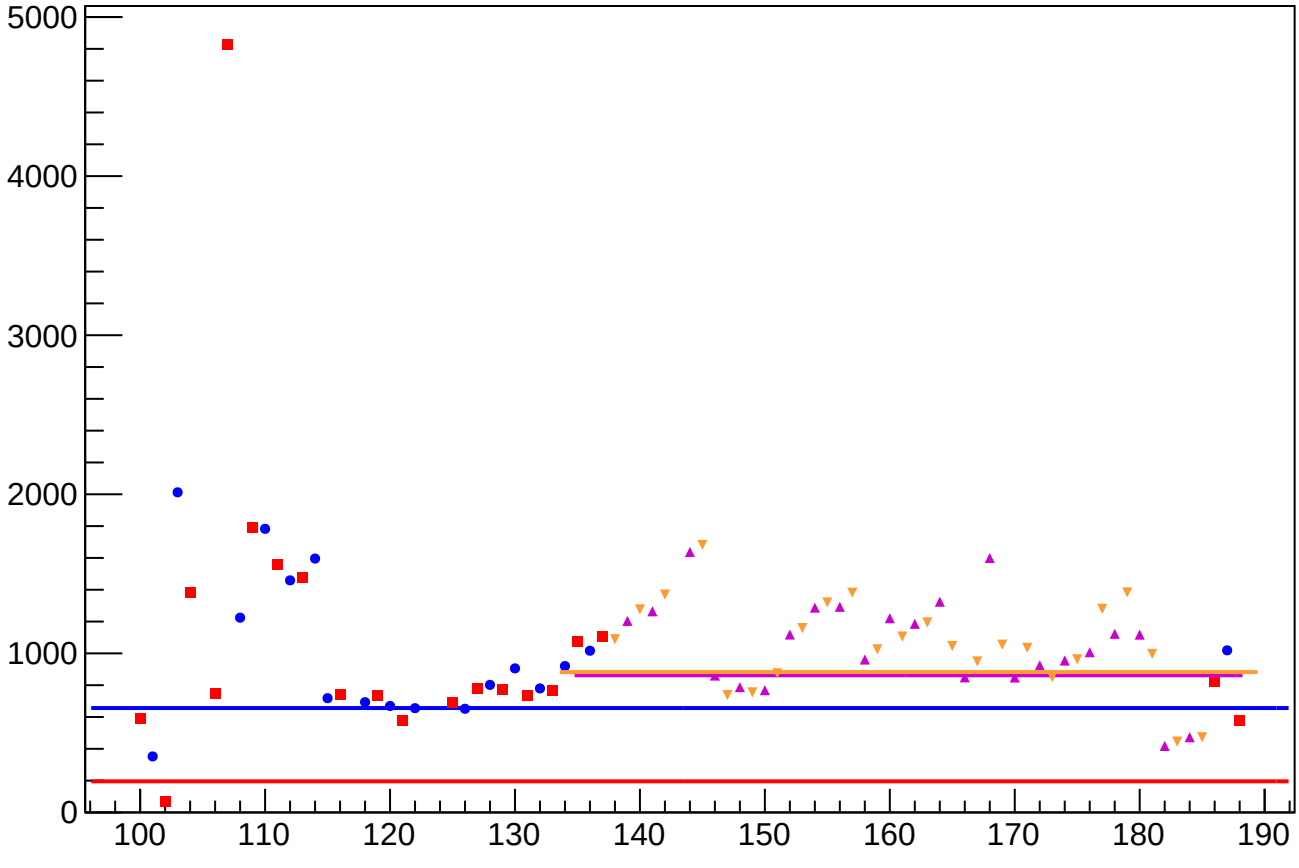
Left: -184.979+/-153.557 χ^2/NDF: 45.7/46

Right: -76.107+/-113.271 χ^2/NDF: 47.0/36

In: -207.544+/-168.753 χ^2/NDF:32.9/39

Out: -76.127+/-108.316 χ^2/NDF:59.7/43

All: -114.472+/-91.154 χ^2/NDF: 93.0/83



Right In: 656.399+/-0.191 χ^2/NDF: 2811043.2/16

Left Out: 882.430+/-0.154 χ^2/NDF:3901279.8/23

Right Out: 195.721+/-0.088 χ^2/NDF: 10980742.0/19

Left In: 862.298+/-0.153 χ^2/NDF:4369416.2/22

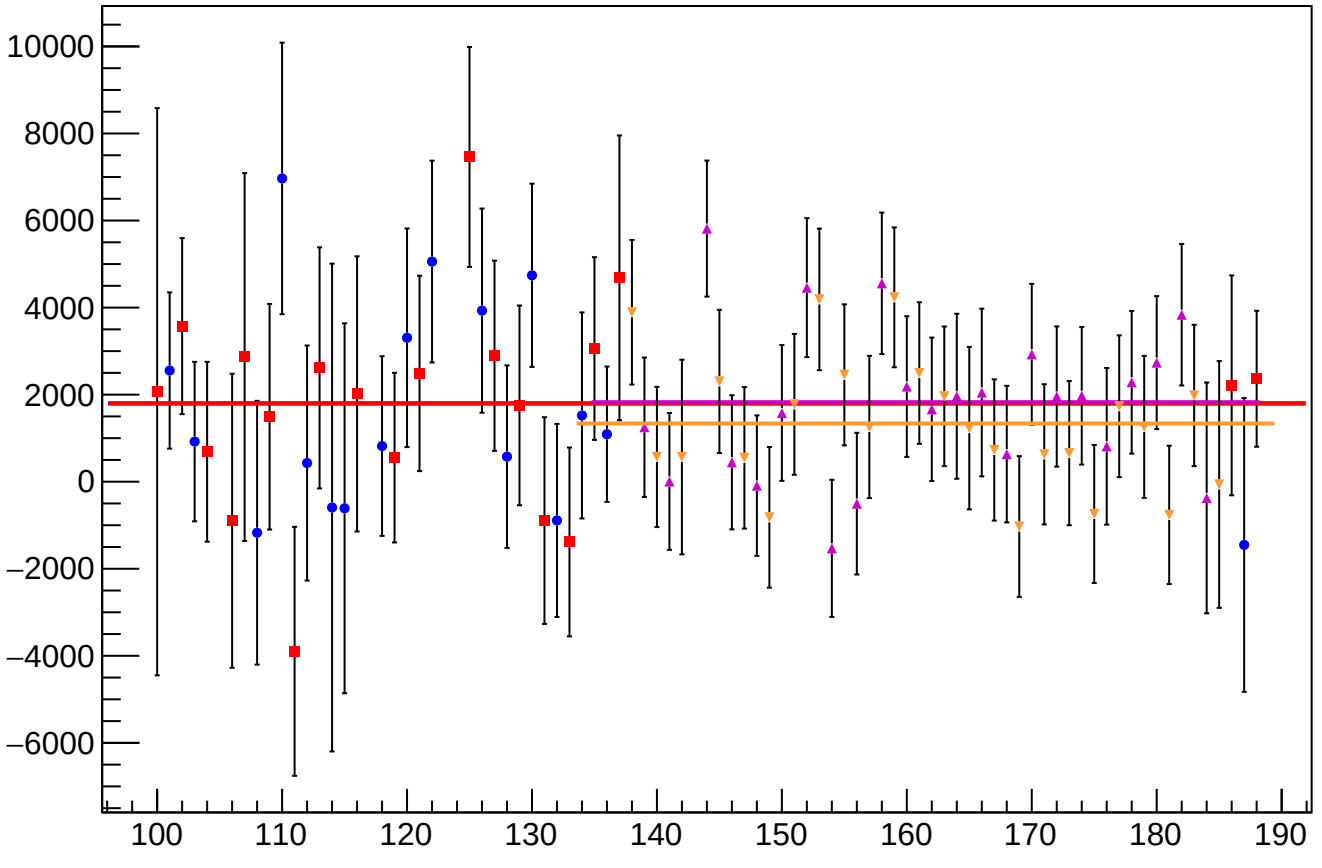
Left: 872.253+/-0.109 χ^2/NDF: 8279289.7/46

Right: 276.562+/-0.080 χ^2/NDF: 18578289.7/36

In: 782.103+/-0.119 χ^2/NDF:7888444.4/39

Out: 364.678+/-0.077 χ^2/NDF:29794187.4/43

All: 486.474+/-0.064 χ^2/NDF: 46349313.6/83



Right In: 1798.173+/-564.197 χ^2/NDF: 13.2/16

Left Out: 1337.018+/-341.012 χ^2/NDF:19.2/23

Right Out: 1800.075+/-538.989 χ^2/NDF: 16.3/19

Left In: 1826.644+/-343.483 χ^2/NDF:26.5/22

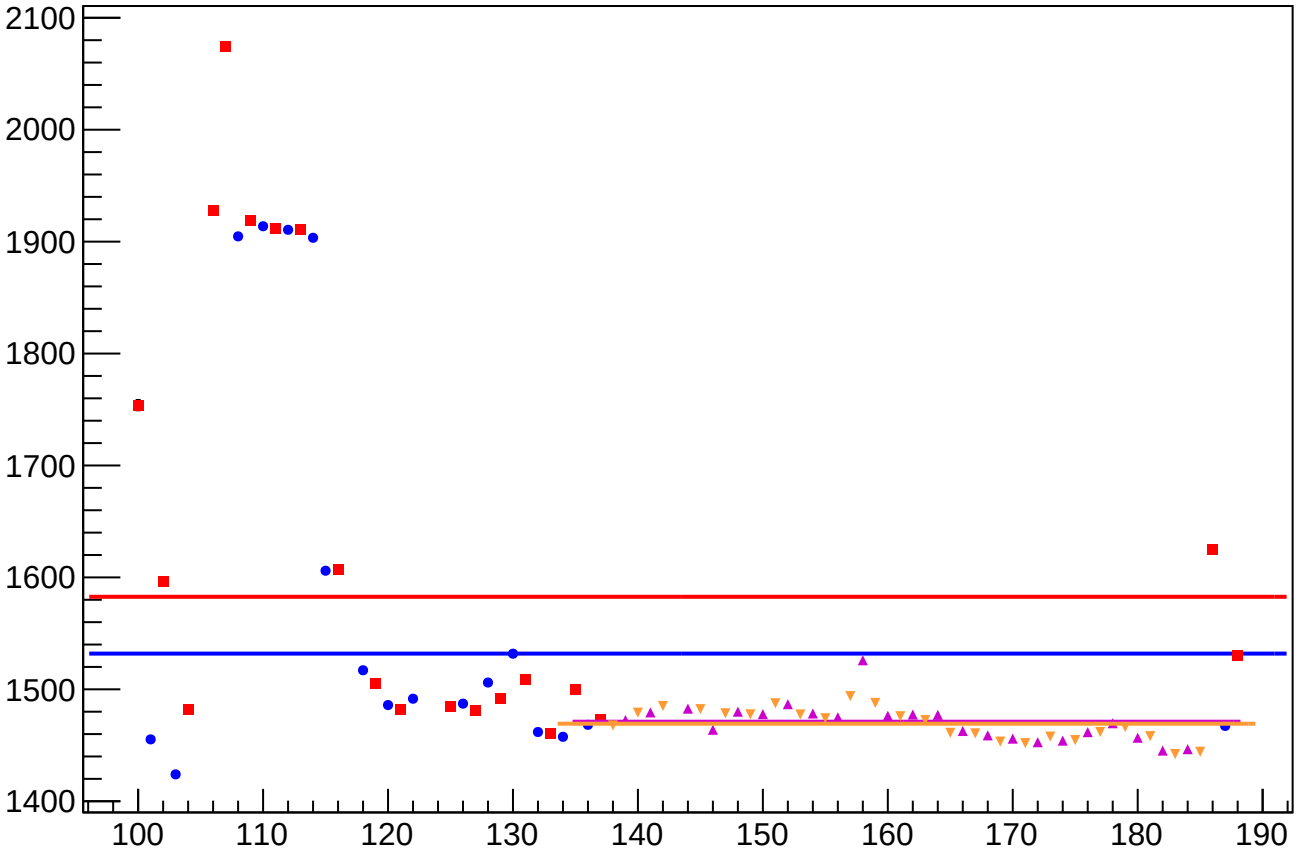
Left: 1580.064+/-242.001 χ^2/NDF: 46.7/46

Right: 1799.168+/-389.730 χ^2/NDF: 29.5/36

In: 1818.945+/-293.389 χ^2/NDF:39.6/39

Out: 1469.390+/-288.178 χ^2/NDF:36.1/43

All: 1641.036+/-205.590 χ^2/NDF: 76.4/83



Right In: 1531.914+/-0.399 χ^2/NDF: 130025.2/16

Left Out: 1469.267+/-0.241 χ^2/NDF:3155.3/23

Right Out: 1582.669+/-0.381 χ^2/NDF: 176729.4/19

Left In: 1471.054+/-0.243 χ^2/NDF:4642.4/22

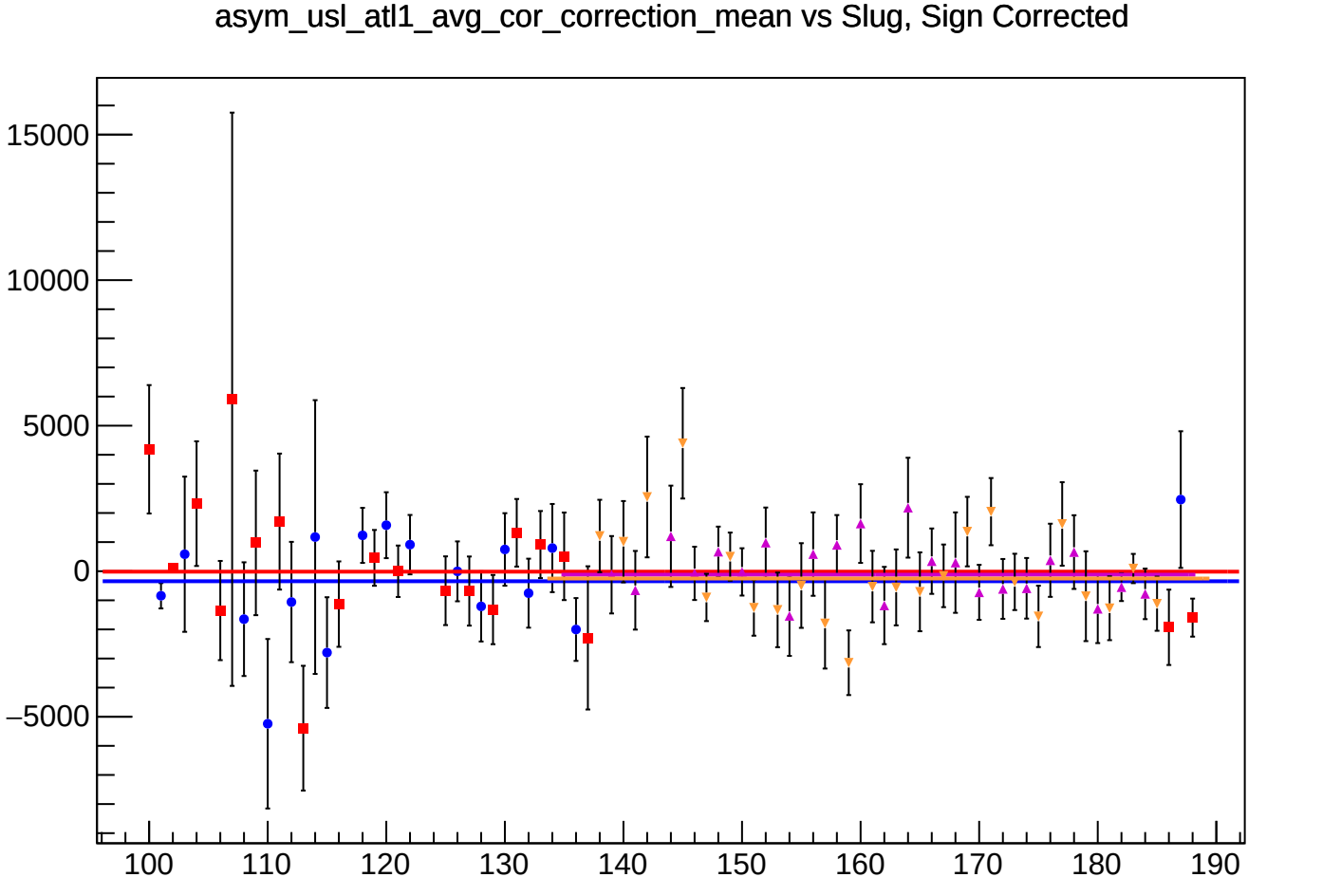
Left: 1470.154+/-0.171 χ^2/NDF: 7825.0/46

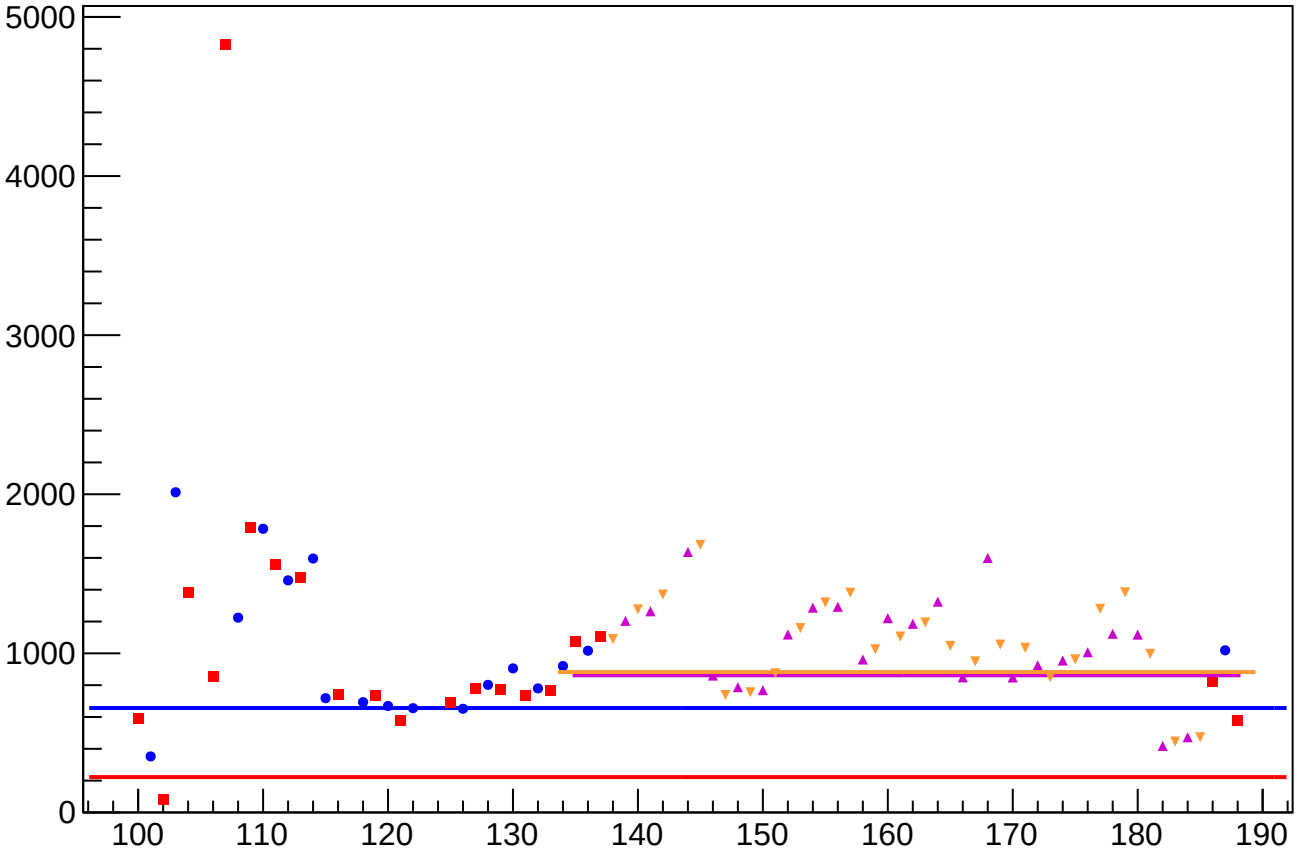
Right: 1558.451+/-0.276 χ^2/NDF: 315217.0/36

In: 1487.511+/-0.207 χ^2/NDF:151646.8/39

Out: 1501.685+/-0.204 χ^2/NDF:243110.8/43

All: 1494.725+/-0.145 χ^2/NDF: 397133.2/83


asym_usl_atl1_avg_cor_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
100
110
120
130
140
150
160
170
180
190
Right In: -345.044+/-270.398 χ²/NDF: 19.6/16
Left Out: -251.589+/-218.368 χ²/NDF:32.7/23
Right Out: -15.672+/-134.417 χ²/NDF: 27.0/19
Left In: -119.845+/-215.975 χ²/NDF:12.8/22
Left: -184.992+/-153.556 χ²/NDF: 45.7/46
Right: -80.937+/-120.365 χ²/NDF: 47.8/36
In: -207.558+/-168.753 χ²/NDF:32.9/39
Out: -80.499+/-114.469 χ²/NDF:60.5/43
All: -120.538+/-94.731 χ²/NDF: 93.8/83



Right In: 656.397+/-0.191 χ^2/NDF: 2811066.9/16

Left Out: 882.419+/-0.154 χ^2/NDF:3901620.8/23

Right Out: 222.222+/-0.095 χ^2/NDF: 10374766.1/19

Left In: 862.300+/-0.153 χ^2/NDF:4369426.7/22

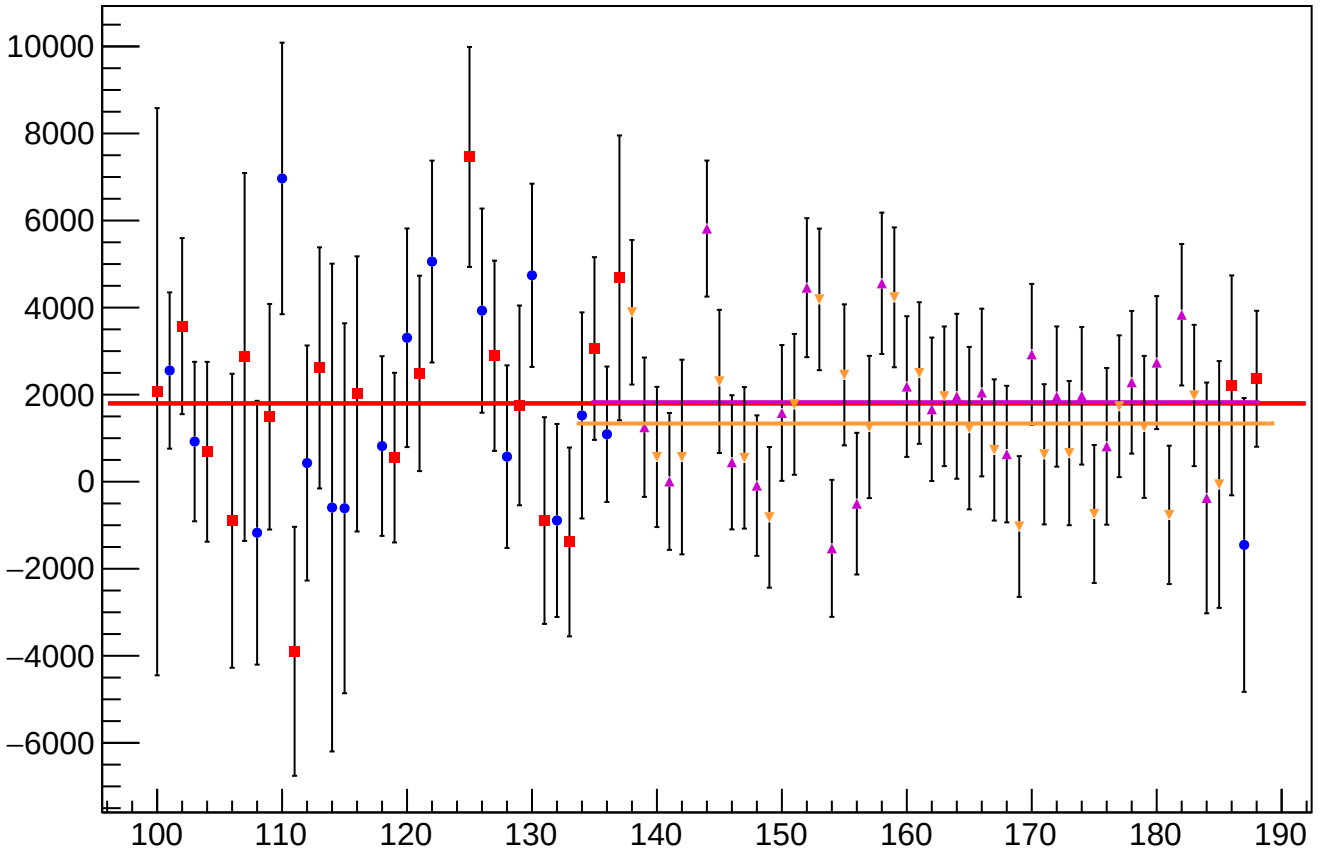
Left: 872.249+/-0.109 χ^2/NDF: 8279630.1/46

Right: 308.254+/-0.085 χ^2/NDF: 17320575.7/36

In: 782.103+/-0.119 χ^2/NDF:7888503.4/39

Out: 403.635+/-0.081 χ^2/NDF:27534043.4/43

All: 522.900+/-0.067 χ^2/NDF: 42312207.6/83



Right In: 1798.173+/-564.197 χ^2/NDF: 13.2/16

Left Out: 1337.018+/-341.012 χ^2/NDF:19.2/23

Right Out: 1800.075+/-538.989 χ^2/NDF: 16.3/19

Left In: 1826.644+/-343.483 χ^2/NDF:26.5/22

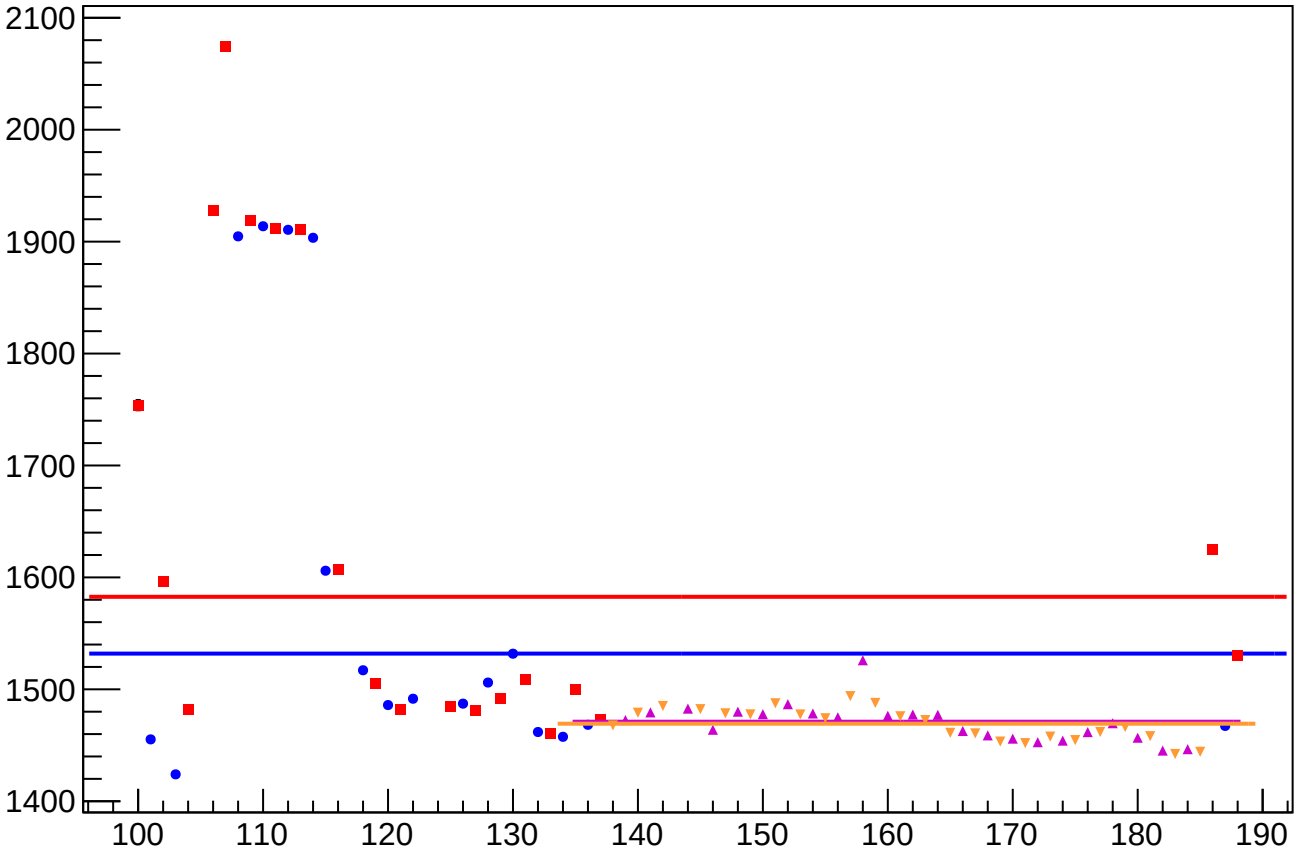
Left: 1580.064+/-242.001 χ^2/NDF: 46.7/46

Right: 1799.168+/-389.730 χ^2/NDF: 29.5/36

In: 1818.945+/-293.389 χ^2/NDF:39.6/39

Out: 1469.390+/-288.178 χ^2/NDF:36.1/43

All: 1641.036+/-205.590 χ^2/NDF: 76.4/83



Right In: 1531.914+/-0.399 χ^2/NDF: 130025.2/16

Left Out: 1469.267+/-0.241 χ^2/NDF:3155.3/23

Right Out: 1582.669+/-0.381 χ^2/NDF: 176729.4/19

Left In: 1471.054+/-0.243 χ^2/NDF:4642.4/22

Left: 1470.154+/-0.171 χ^2/NDF: 7825.0/46

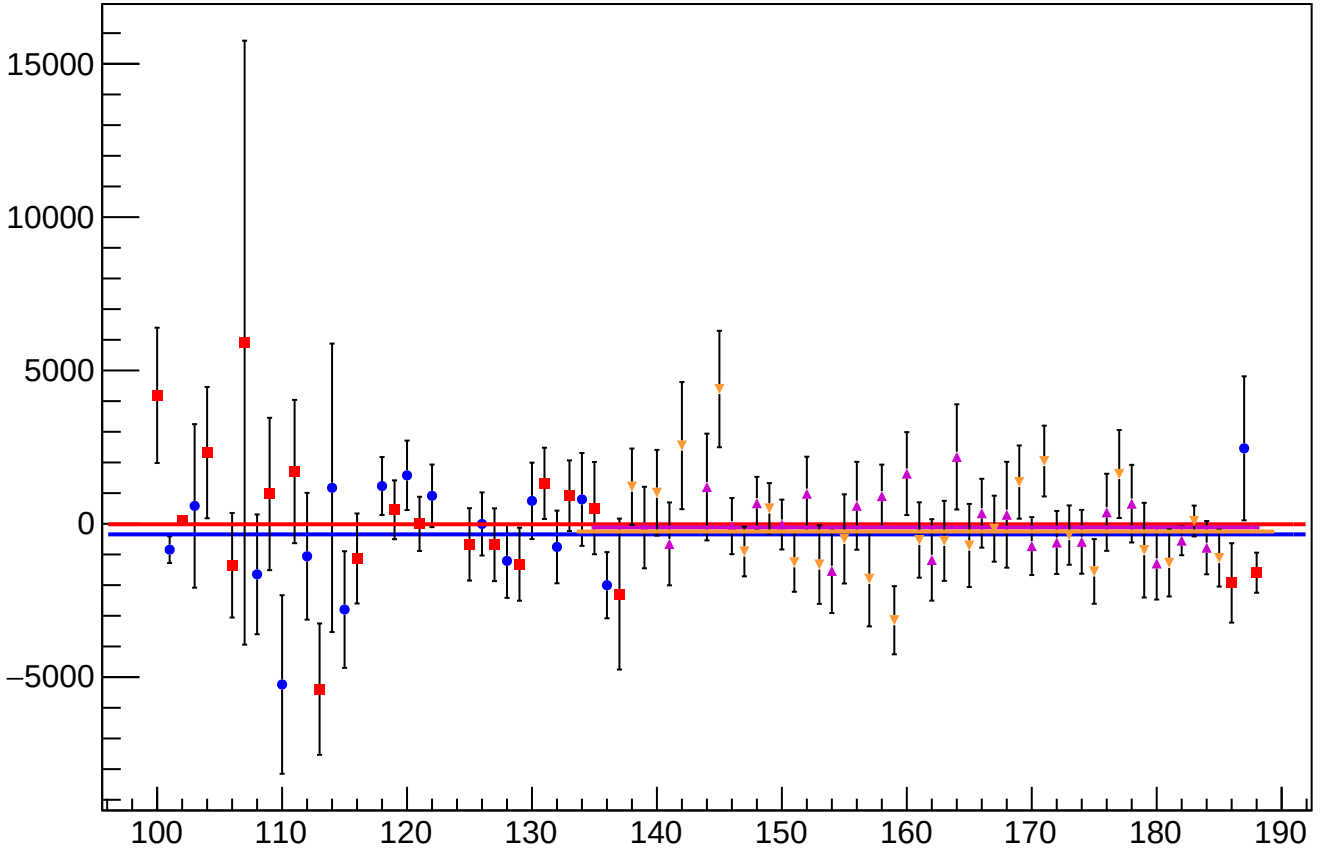
Right: 1558.451+/-0.276 χ^2/NDF: 315217.0/36

In: 1487.511+/-0.207 χ^2/NDF:151646.8/39

Out: 1501.685+/-0.204 χ^2/NDF:243110.8/43

All: 1494.725+/-0.145 χ^2/NDF: 397133.2/83

asym_usl_atl1_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -345.044+/-270.398 χ^2/NDF: 19.6/16

Left Out: -251.589+/-218.368 χ^2/NDF:32.7/23

Right Out: -15.672+/-134.417 χ^2/NDF: 27.0/19

Left In: -119.845+/-215.975 χ^2/NDF:12.8/22

Left: -184.992+/-153.556 χ^2/NDF: 45.7/46

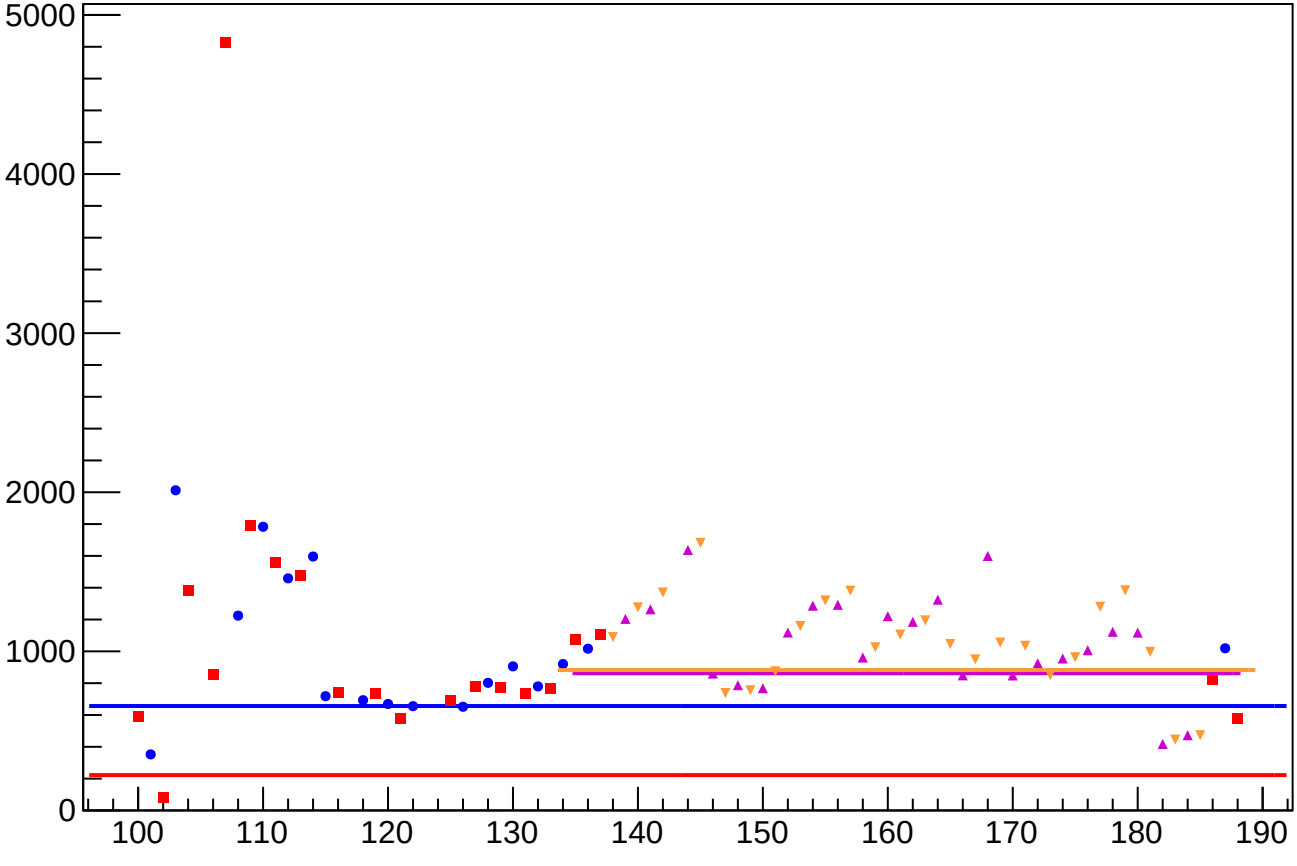
Right: -80.937+/-120.365 χ^2/NDF: 47.8/36

In: -207.558+/-168.753 χ^2/NDF:32.9/39

Out: -80.499+/-114.469 χ^2/NDF:60.5/43

All: -120.538+/-94.731 χ^2/NDF: 93.8/83

asym_usl_atl1_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 656.397+/-0.191 χ^2/NDF: 2811066.9/16

Left Out: 882.419+/-0.154 χ^2/NDF:3901620.8/23

Right Out: 222.222+/-0.095 χ^2/NDF: 10374766.1/19

Left In: 862.300+/-0.153 χ^2/NDF:4369426.7/22

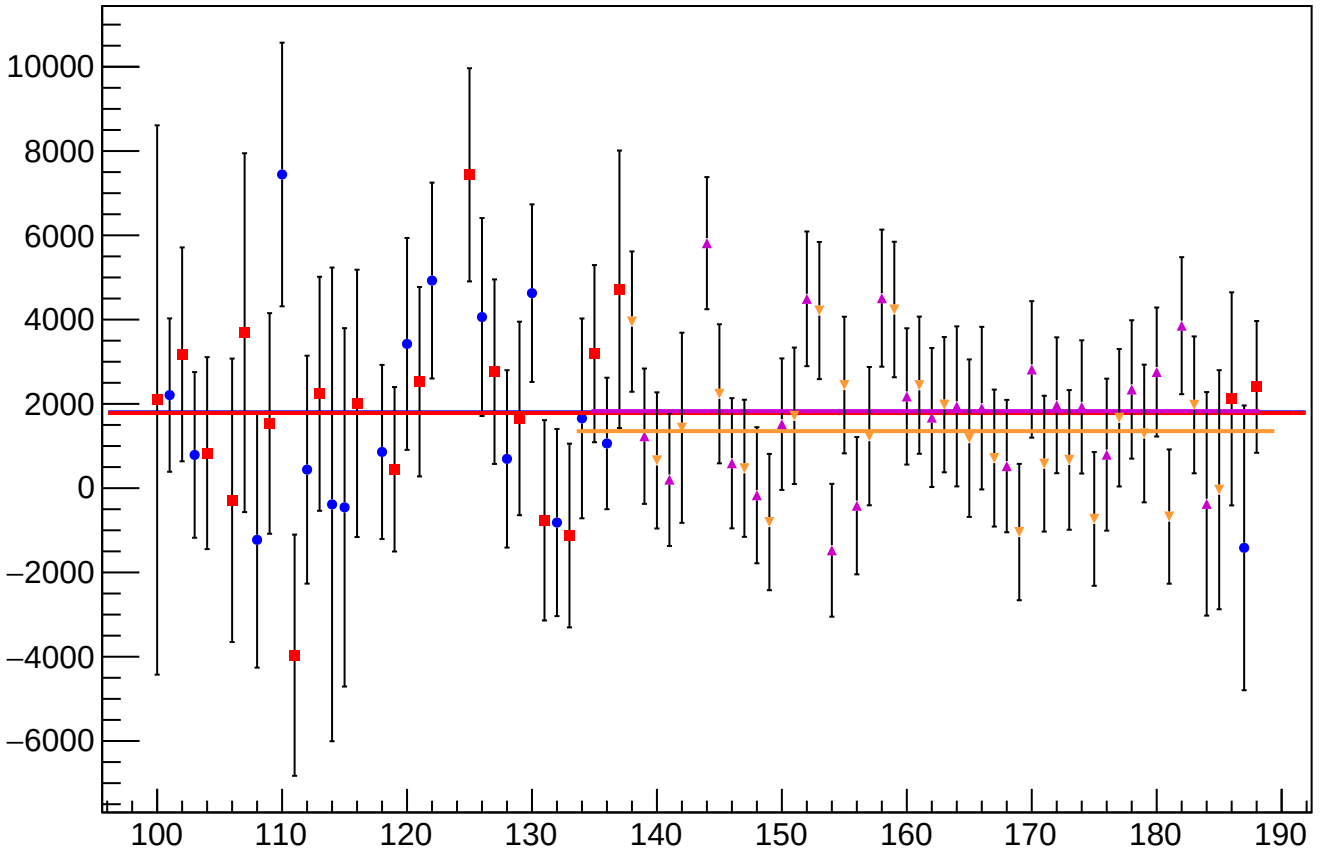
Left: 872.249+/-0.109 χ^2/NDF: 8279630.1/46

Right: 308.254+/-0.085 χ^2/NDF: 17320575.7/36

In: 782.103+/-0.119 χ^2/NDF:7888503.4/39

Out: 403.635+/-0.081 χ^2/NDF:27534043.4/43

All: 522.900+/-0.067 χ^2/NDF: 42312207.6/83



Right In: 1800.197+/-569.372 χ^2/NDF: 13.2/16

Left Out: 1353.686+/-341.570 χ^2/NDF:18.9/23

Right Out: 1782.908+/-550.559 χ^2/NDF: 15.3/19

Left In: 1828.250+/-343.952 χ^2/NDF:25.8/22

Left: 1589.318+/-242.364 χ^2/NDF: 45.7/46

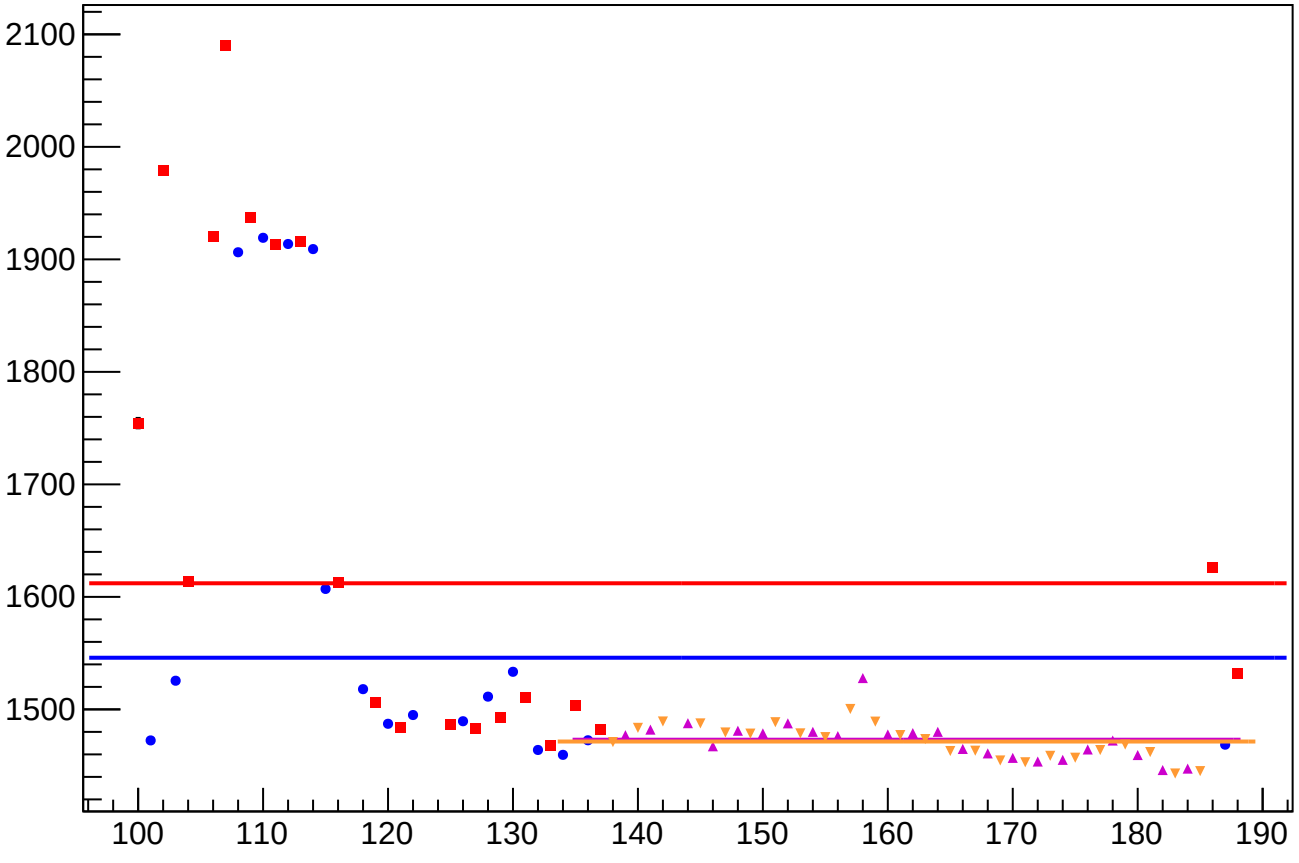
Right: 1791.263+/-395.788 χ^2/NDF: 28.5/36

In: 1820.750+/-294.404 χ^2/NDF:39.0/39

Out: 1472.978+/-290.248 χ^2/NDF:34.6/43

All: 1644.392+/-206.690 χ^2/NDF: 74.4/83

dit_asym_usl_atl1_avg_rms vs Slug, Sign Corrected



Right In: 1545.916+/-0.403 χ^2/NDF: 120981.9/16

Left Out: 1471.437+/-0.242 χ^2/NDF:3436.8/23

Right Out: 1612.095+/-0.389 χ^2/NDF: 217595.7/19

Left In: 1473.049+/-0.243 χ^2/NDF:4751.3/22

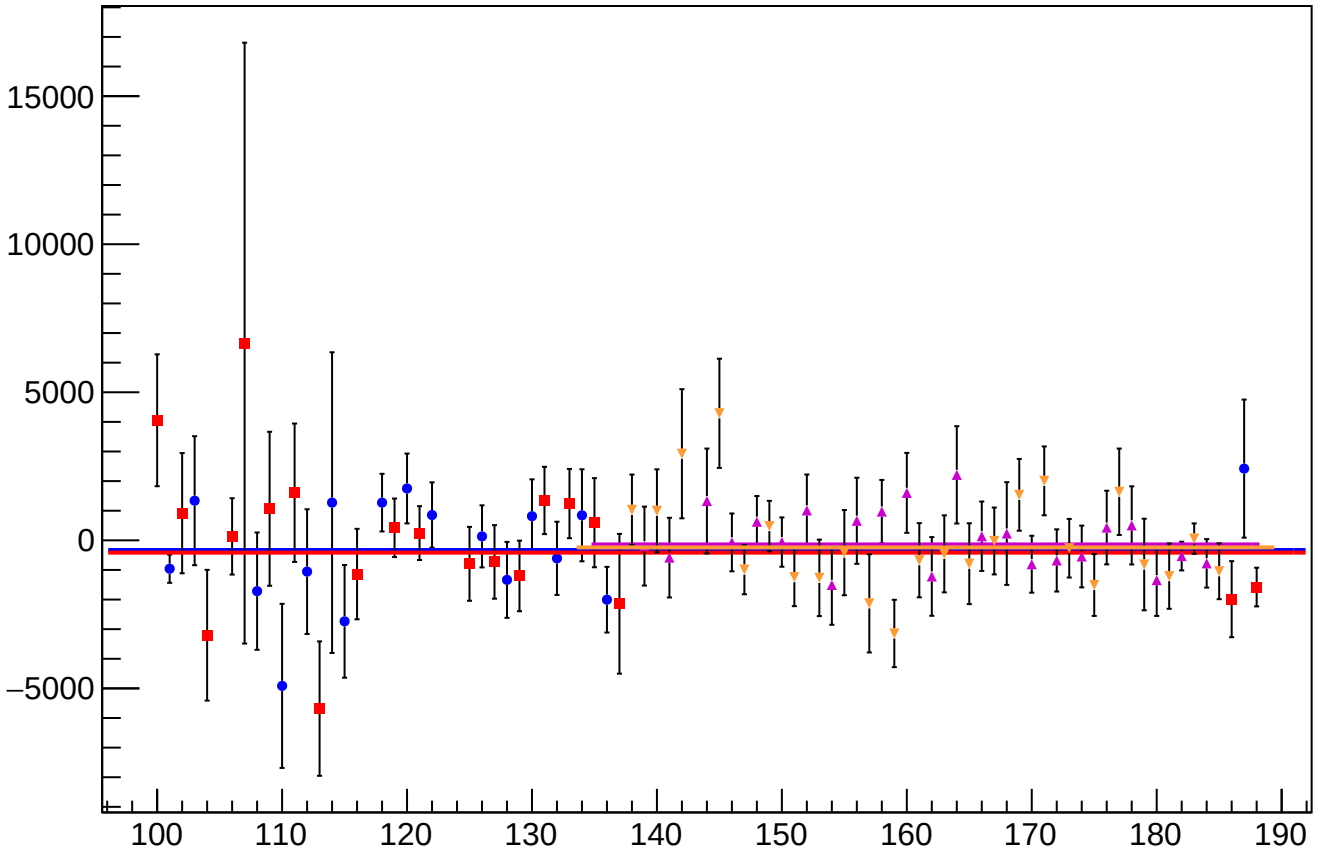
Left: 1472.237+/-0.171 χ^2/NDF: 8210.2/46

Right: 1580.117+/-0.280 χ^2/NDF: 352541.1/36

In: 1492.530+/-0.208 χ^2/NDF:149732.1/39

Out: 1510.529+/-0.205 χ^2/NDF:315293.4/43

All: 1501.658+/-0.146 χ^2/NDF: 468816.4/83



Right In: -327.176+/-284.436 χ^2/NDF: 20.3/16

Left Out: -240.267+/-221.787 χ^2/NDF:32.4/23

Right Out: -415.268+/-294.624 χ^2/NDF: 25.3/19

Left In: -138.421+/-218.478 χ^2/NDF:13.0/22

Left: -188.579+/-155.644 χ^2/NDF: 45.5/46

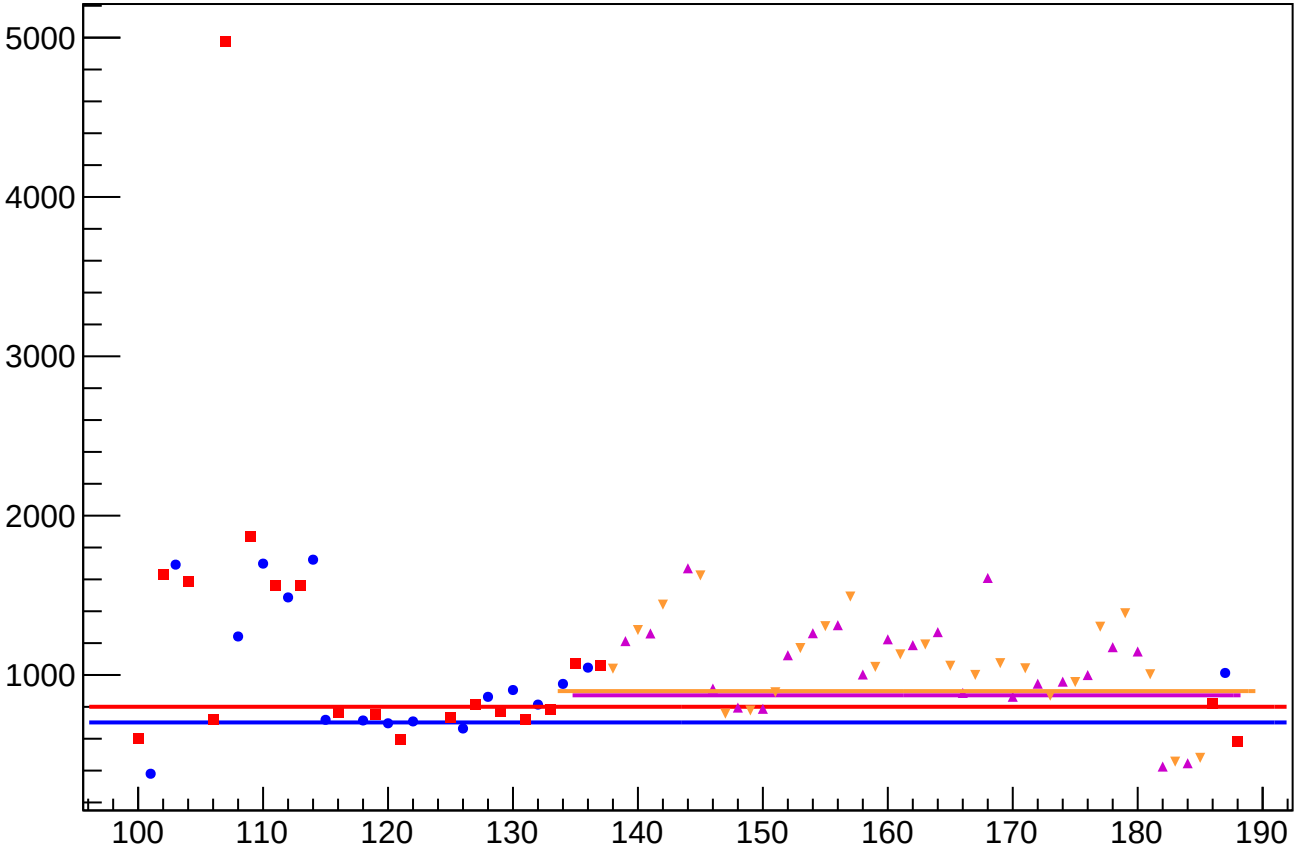
Right: -369.673+/-204.634 χ^2/NDF: 45.7/36

In: -208.462+/-173.265 χ^2/NDF:33.6/39

Out: -303.566+/-177.193 χ^2/NDF:58.0/43

All: -254.948+/-123.882 χ^2/NDF: 91.7/83

asym_usl_atl1_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 702.210+/-0.201 χ^2/NDF: 2471640.8/16

Left Out: 898.849+/-0.157 χ^2/NDF:3791528.8/23

Right Out: 800.498+/-0.208 χ^2/NDF: 2158148.8/19

Left In: 872.472+/-0.154 χ^2/NDF:4435516.3/22

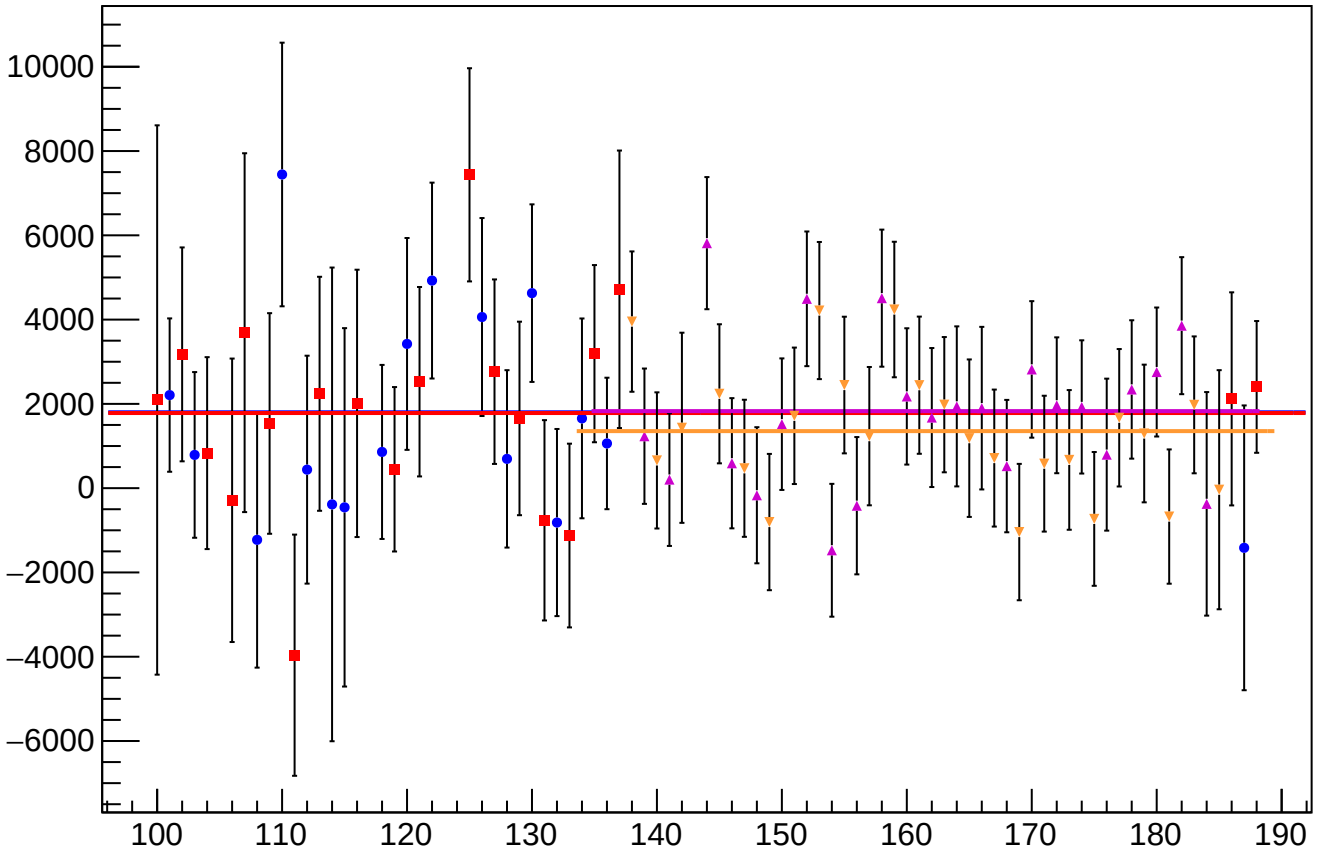
Left: 885.462+/-0.110 χ^2/NDF: 8241401.5/46

Right: 749.625+/-0.145 χ^2/NDF: 4744997.6/36

In: 809.294+/-0.123 χ^2/NDF:7357873.3/39

Out: 863.275+/-0.125 χ^2/NDF:6091932.4/43

All: 835.679+/-0.088 χ^2/NDF: 13544695.4/83



Right In: 1800.195+/-569.372 χ^2/NDF: 13.2/16

Left Out: 1353.684+/-341.570 χ^2/NDF:18.9/23

Right Out: 1782.906+/-550.559 χ^2/NDF: 15.3/19

Left In: 1828.250+/-343.952 χ^2/NDF:25.8/22

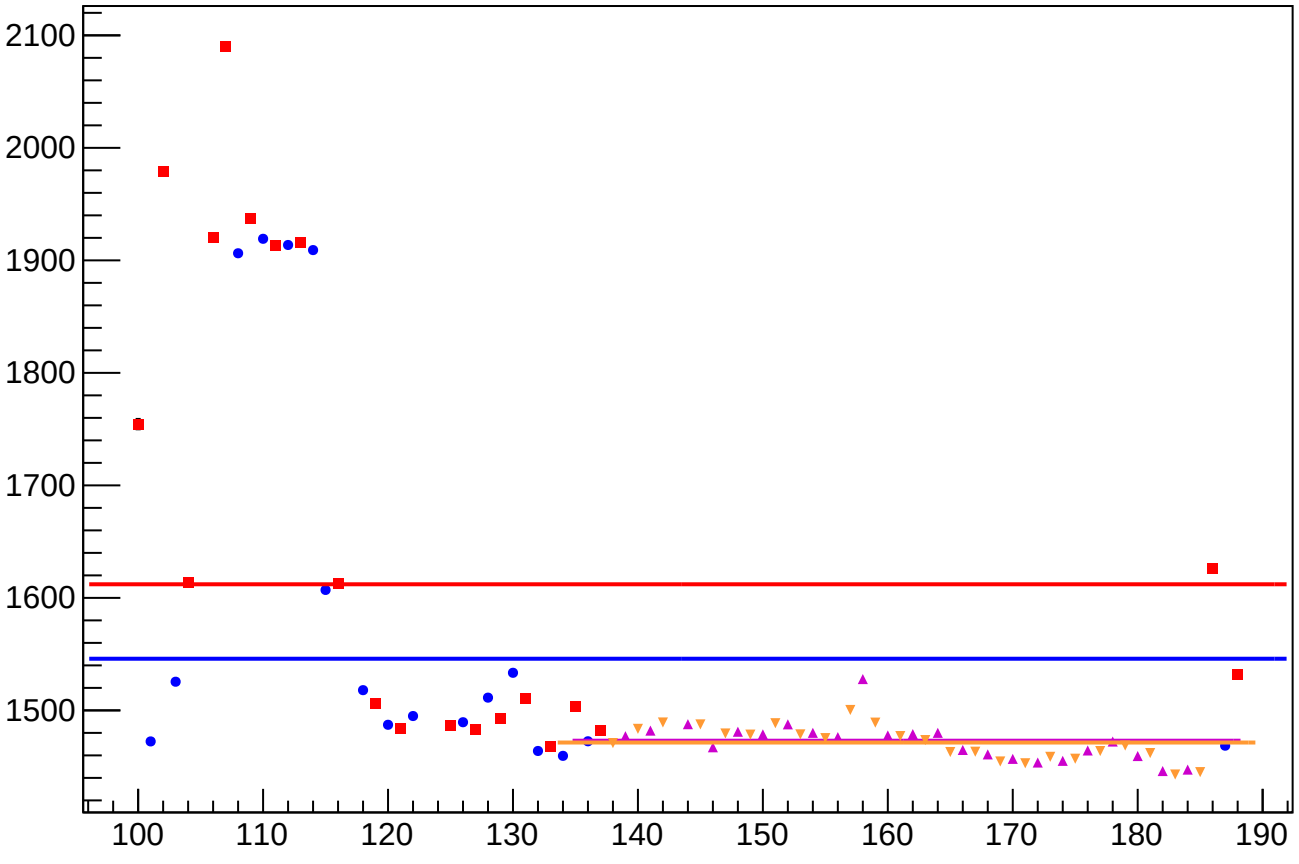
Left: 1589.318+/-242.364 χ^2/NDF: 45.7/46

Right: 1791.260+/-395.788 χ^2/NDF: 28.5/36

In: 1820.750+/-294.404 χ^2/NDF:39.0/39

Out: 1472.977+/-290.248 χ^2/NDF:34.6/43

All: 1644.391+/-206.690 χ^2/NDF: 74.4/83



Right In: 1545.916+/-0.403 χ^2/NDF: 120981.9/16

Left Out: 1471.437+/-0.242 χ^2/NDF:3436.8/23

Right Out: 1612.094+/-0.389 χ^2/NDF: 217595.5/19

Left In: 1473.049+/-0.243 χ^2/NDF:4751.3/22

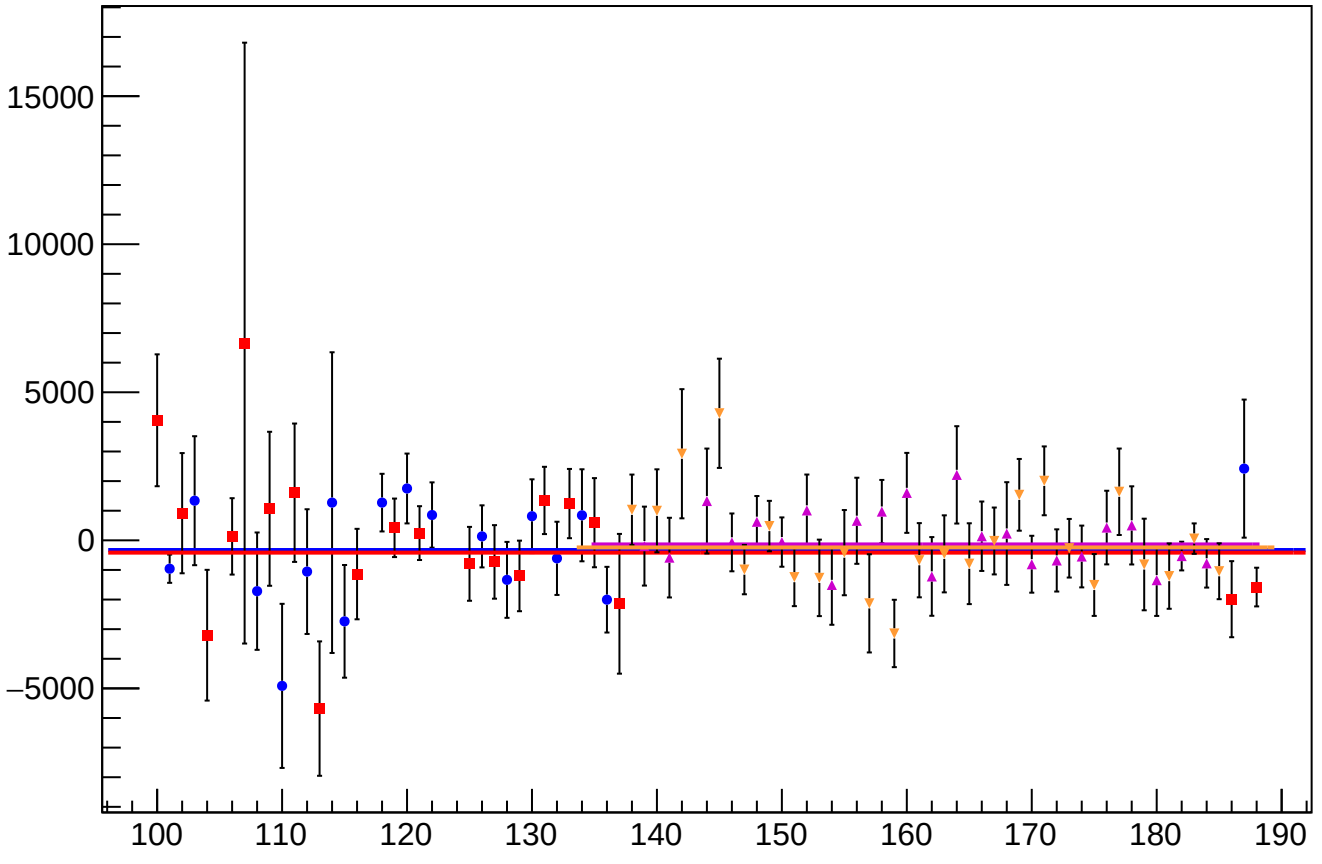
Left: 1472.237+/-0.171 χ^2/NDF: 8210.2/46

Right: 1580.116+/-0.280 χ^2/NDF: 352540.9/36

In: 1492.530+/-0.208 χ^2/NDF:149732.0/39

Out: 1510.529+/-0.205 χ^2/NDF:315292.9/43

All: 1501.658+/-0.146 χ^2/NDF: 468815.8/83



Right In: -327.175+/-284.436 χ^2/NDF: 20.3/16

Left Out: -240.269+/-221.788 χ^2/NDF:32.4/23

Right Out: -415.266+/-294.624 χ^2/NDF: 25.3/19

Left In: -138.421+/-218.478 χ^2/NDF:13.0/22

Left: -188.580+/-155.644 χ^2/NDF: 45.5/46

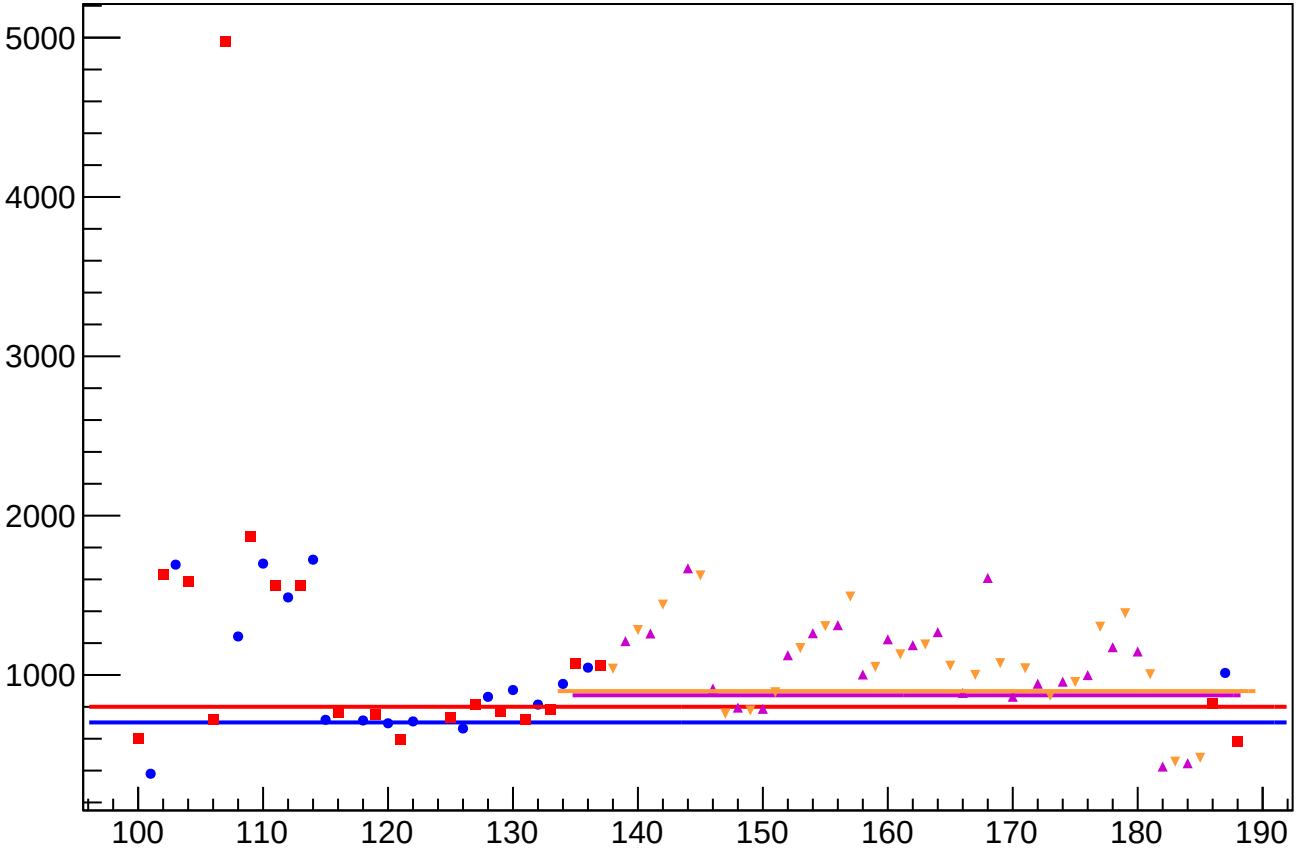
Right: -369.671+/-204.633 χ^2/NDF: 45.7/36

In: -208.462+/-173.265 χ^2/NDF:33.6/39

Out: -303.567+/-177.193 χ^2/NDF:58.0/43

All: -254.948+/-123.882 χ^2/NDF: 91.7/83

asym_usl_atl1_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 702.210+/-0.201 χ^2/NDF: 2471633.7/16

Left Out: 898.850+/-0.157 χ^2/NDF:3791537.4/23

Right Out: 800.497+/-0.208 χ^2/NDF: 2158156.1/19

Left In: 872.473+/-0.154 χ^2/NDF:4435524.1/22

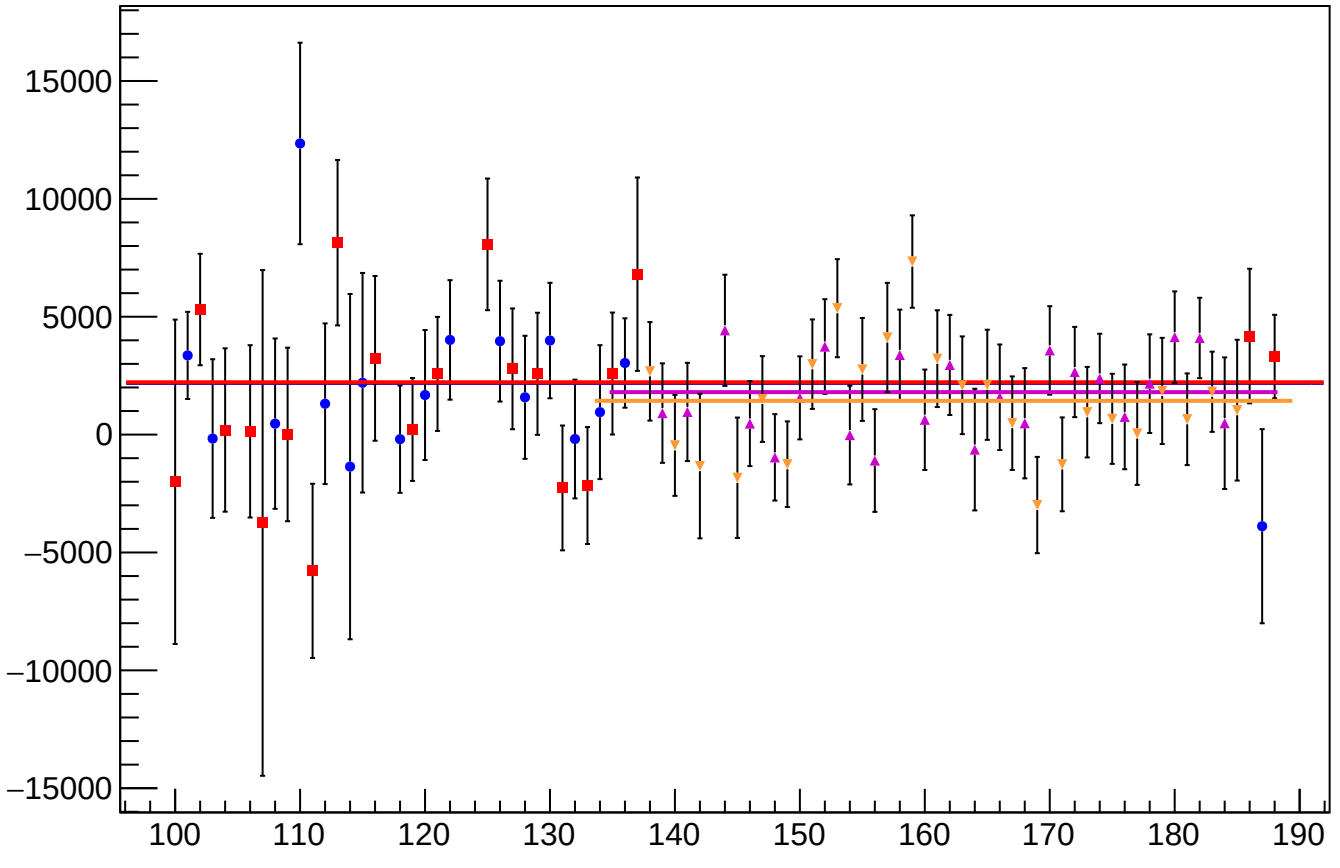
Left: 885.463+/-0.110 χ^2/NDF: 8241417.9/46

Right: 749.625+/-0.145 χ^2/NDF: 4744995.4/36

In: 809.294+/-0.123 χ^2/NDF:7357878.3/39

Out: 863.275+/-0.125 χ^2/NDF:6091954.0/43

All: 835.679+/-0.088 χ^2/NDF: 13544720.5/83



Right In: 2191.700+/-669.895 χ^2/NDF: 13.3/16

Left Out: 1433.314+/-424.465 χ^2/NDF:29.4/23

Right Out: 2218.742+/-639.795 χ^2/NDF: 24.5/19

Left In: 1801.543+/-426.483 χ^2/NDF:15.3/22

Left: 1616.556+/-300.853 χ^2/NDF: 45.1/46

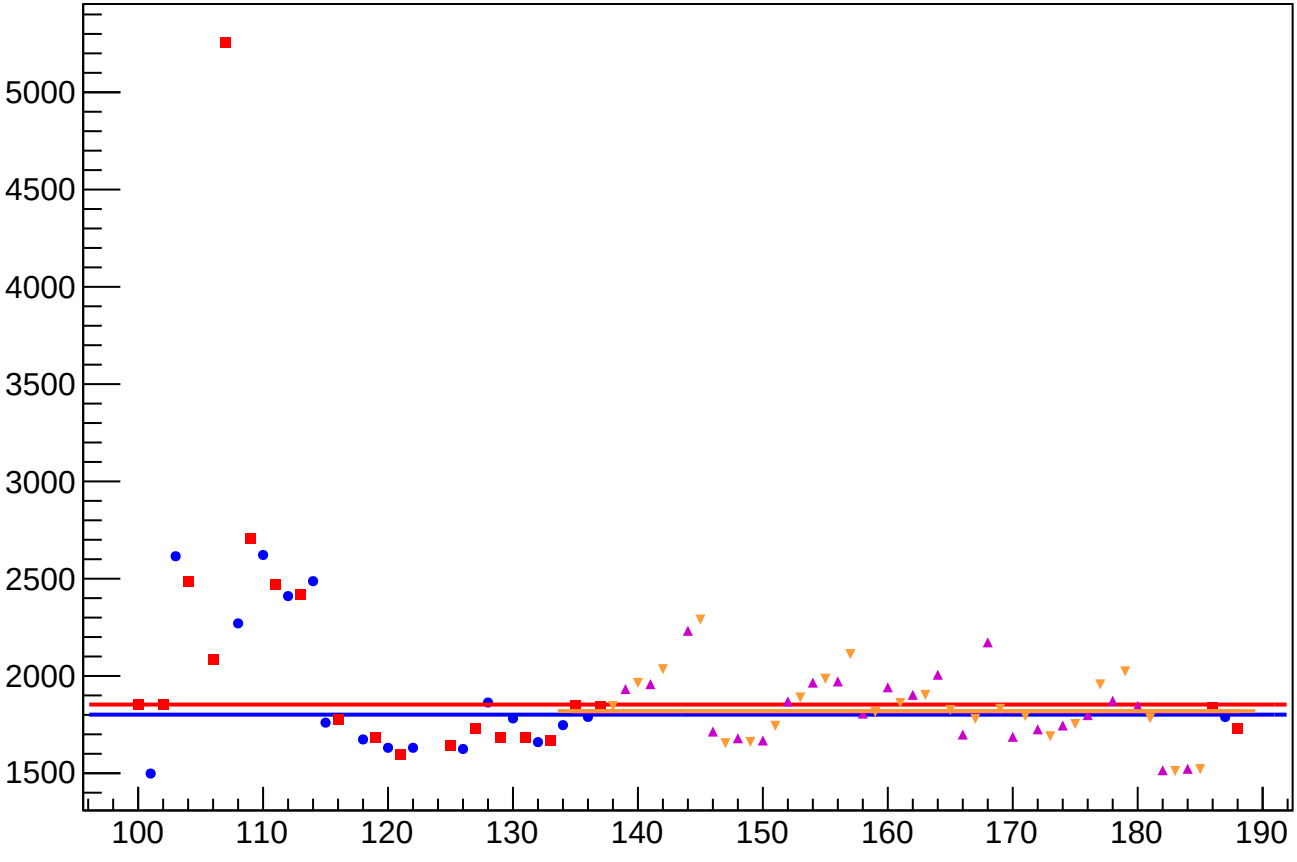
Right: 2205.842+/-462.678 χ^2/NDF: 37.7/36

In: 1914.070+/-359.762 χ^2/NDF:28.8/39

Out: 1673.363+/-353.702 χ^2/NDF:54.9/43

All: 1791.672+/-252.220 χ^2/NDF: 83.9/83

asym_usl_atl1_avg_rms vs Slug, Sign Corrected



Right In: 1801.197+/-0.474 χ^2/NDF: 400720.6/16

Left Out: 1819.417+/-0.300 χ^2/NDF:295015.0/23

Right Out: 1853.065+/-0.452 χ^2/NDF: 581647.2/19

Left In: 1817.142+/-0.302 χ^2/NDF:307103.2/22

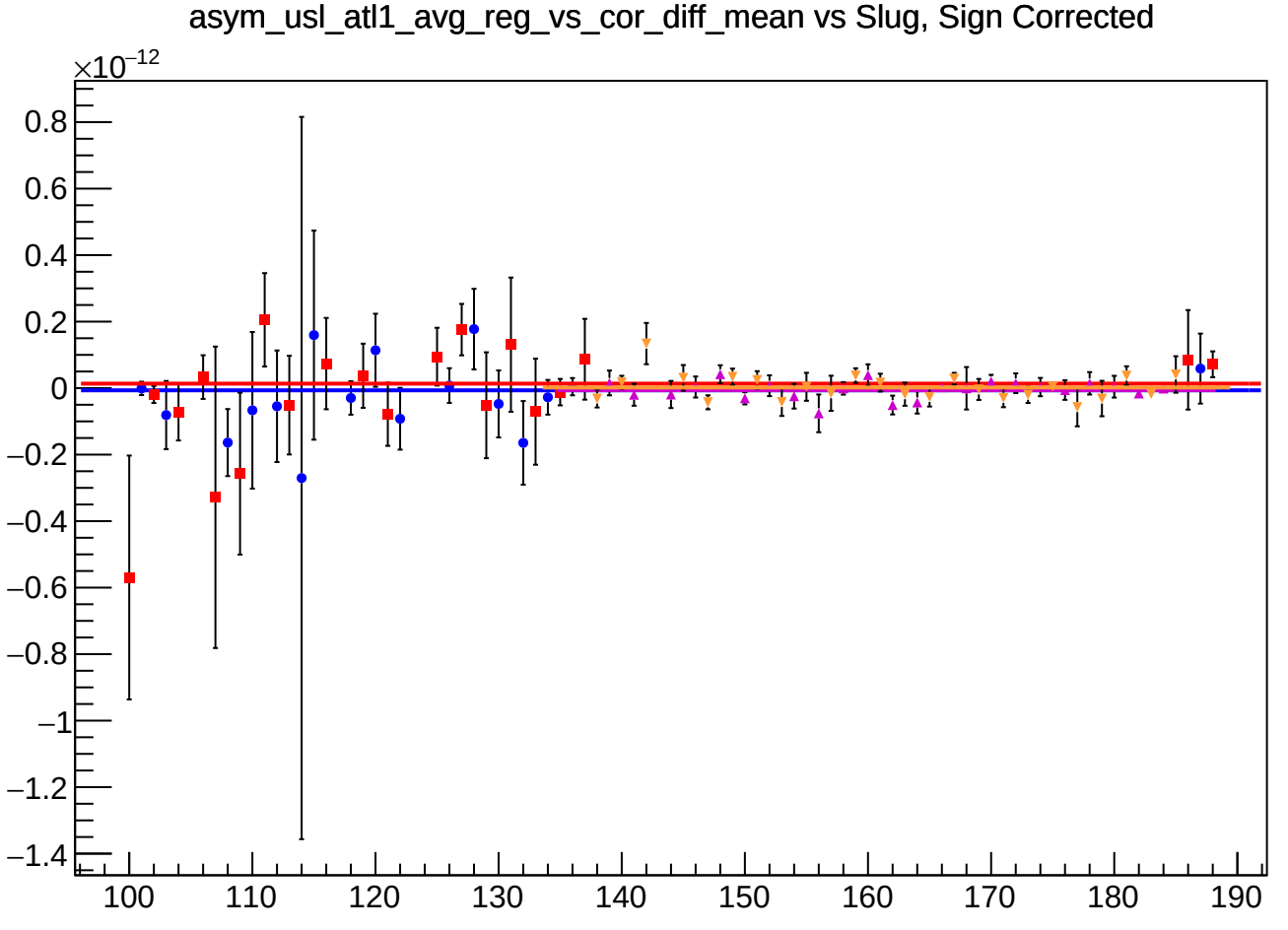
Left: 1818.285+/-0.213 χ^2/NDF: 602146.8/46

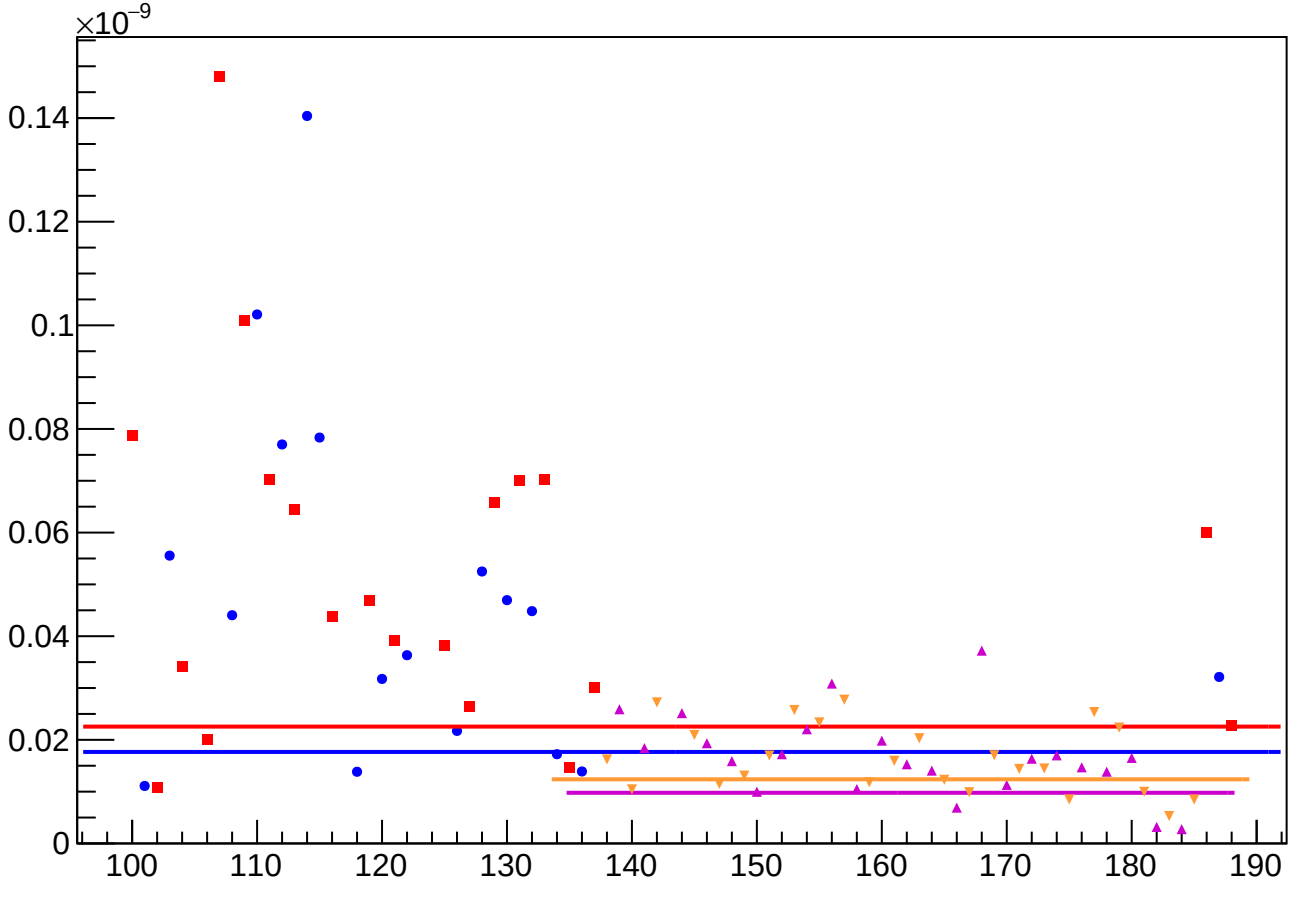
Right: 1828.322+/-0.327 χ^2/NDF: 988638.1/36

In: 1812.543+/-0.254 χ^2/NDF:708630.0/39

Out: 1829.701+/-0.250 χ^2/NDF:880503.2/43

All: 1821.268+/-0.178 χ^2/NDF: 1591446.5/83


asym_usl_atl1_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
−1.4
100
110
120
130
140
150
160
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 10.6/16
Left Out: 0.000+/-0.000 χ²/NDF:29.3/23
Right Out: 0.000+/-0.000 χ²/NDF: 19.6/19
Left In: -0.000+/-0.000 χ²/NDF:17.9/22
Left: -0.000+/-0.000 χ²/NDF: 48.5/46
Right: 0.000+/-0.000 χ²/NDF: 31.3/36
In: -0.000+/-0.000 χ²/NDF:28.6/39
Out: 0.000+/-0.000 χ²/NDF:49.5/43
All: -0.000+/-0.000 χ²/NDF: 80.0/83



Right In: 0.000+/-0.000 χ^2/NDF: 1878512.0/16

Left Out: 0.000+/-0.000 χ^2/NDF:1898110.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 2226063.1/19

Left In: 0.000+/-0.000 χ^2/NDF:4499862.2/22

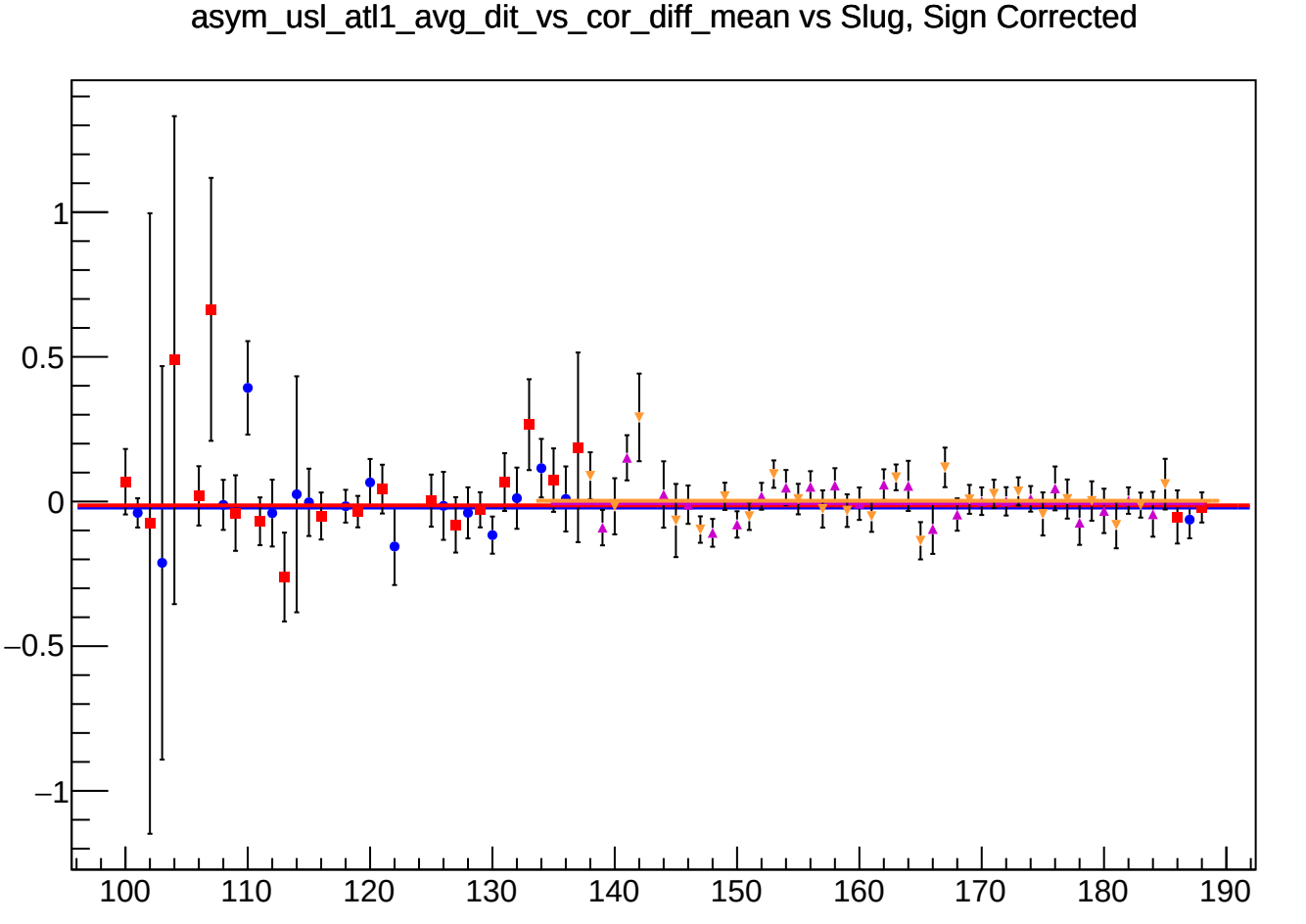
Left: 0.000+/-0.000 χ^2/NDF: 6671683.2/46

Right: 0.000+/-0.000 χ^2/NDF: 4220259.8/36

In: 0.000+/-0.000 χ^2/NDF:7027978.4/39

Out: 0.000+/-0.000 χ^2/NDF:4886034.4/43

All: 0.000+/-0.000 χ^2/NDF: 12259854.2/83



Right In: -0.021+/-0.021 χ^2/NDF: 13.7/16

Left Out: 0.003+/-0.012 χ^2/NDF:29.9/23

Right Out: -0.013+/-0.021 χ^2/NDF: 12.7/19

Left In: -0.006+/-0.012 χ^2/NDF:21.6/22

Left: -0.002+/-0.008 χ^2/NDF: 51.8/46

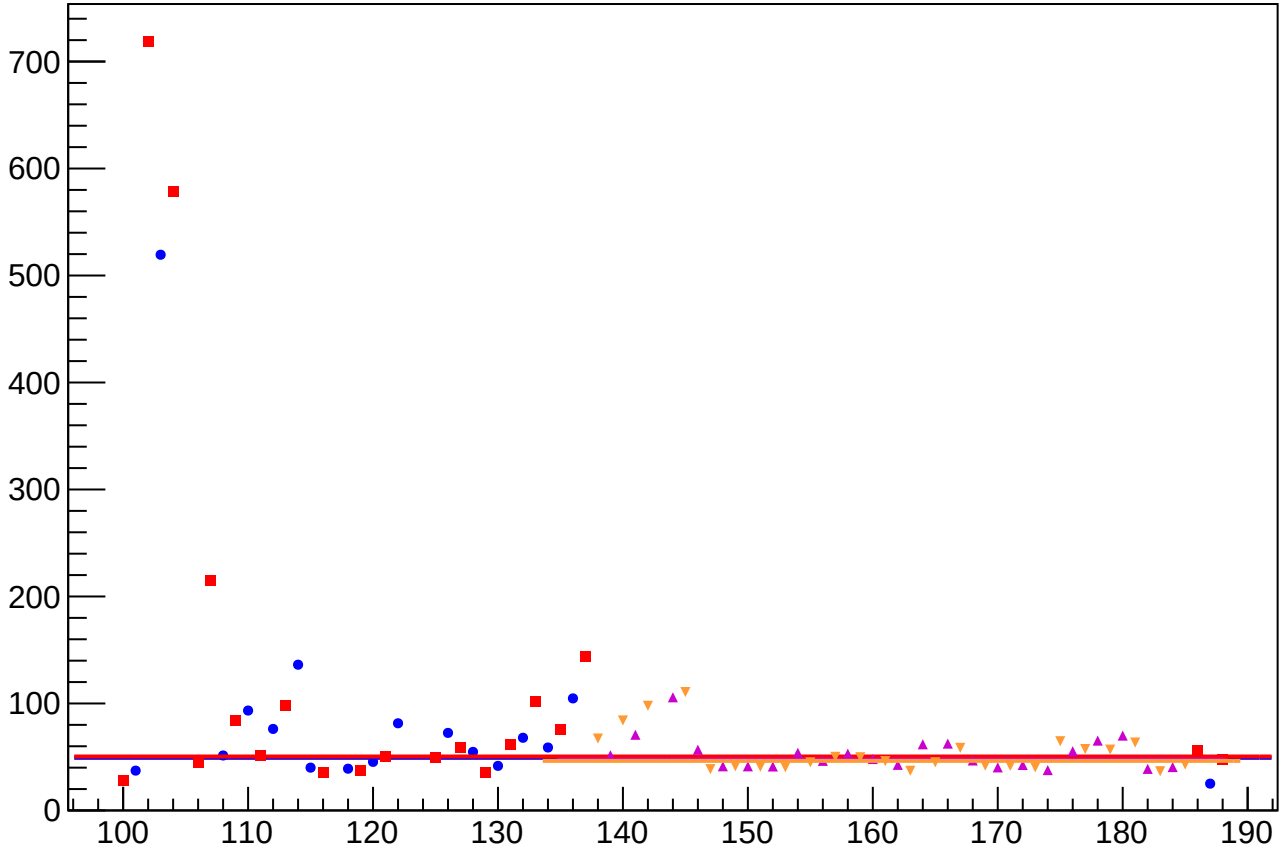
Right: -0.017+/-0.015 χ^2/NDF: 26.4/36

In: -0.010+/-0.011 χ^2/NDF:35.6/39

Out: -0.001+/-0.010 χ^2/NDF:43.0/43

All: -0.005+/-0.007 χ^2/NDF: 79.0/83

asym_usl_atl1_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 49.202+/-0.015 χ^2/NDF: 2583164.8/16

Left Out: 46.353+/-0.008 χ^2/NDF:1967753.2/23

Right Out: 50.422+/-0.015 χ^2/NDF: 3062721.9/19

Left In: 47.575+/-0.009 χ^2/NDF:1576196.2/22

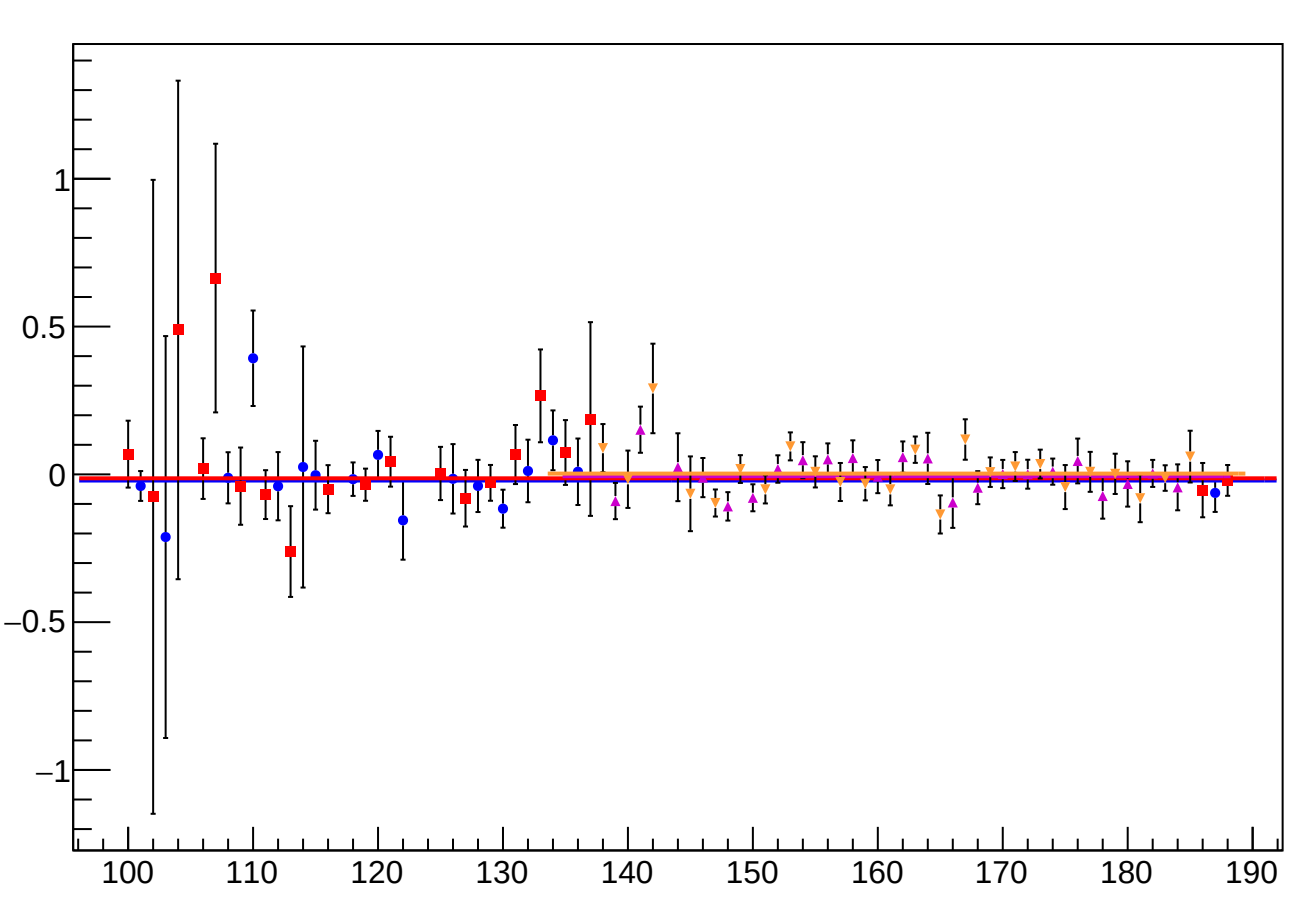
Left: 46.952+/-0.006 χ^2/NDF: 3554287.7/46

Right: 49.825+/-0.011 χ^2/NDF: 5649218.3/36

In: 47.972+/-0.007 χ^2/NDF:4168133.8/39

Out: 47.347+/-0.007 χ^2/NDF:5087617.1/43

All: 47.653+/-0.005 χ^2/NDF: 9259330.7/83



Right In: -0.021+/-0.021 χ^2/NDF: 13.7/16

Left Out: 0.003+/-0.012 χ^2/NDF:29.9/23

Right Out: -0.013+/-0.021 χ^2/NDF: 12.7/19

Left In: -0.006+/-0.012 χ^2/NDF:21.6/22

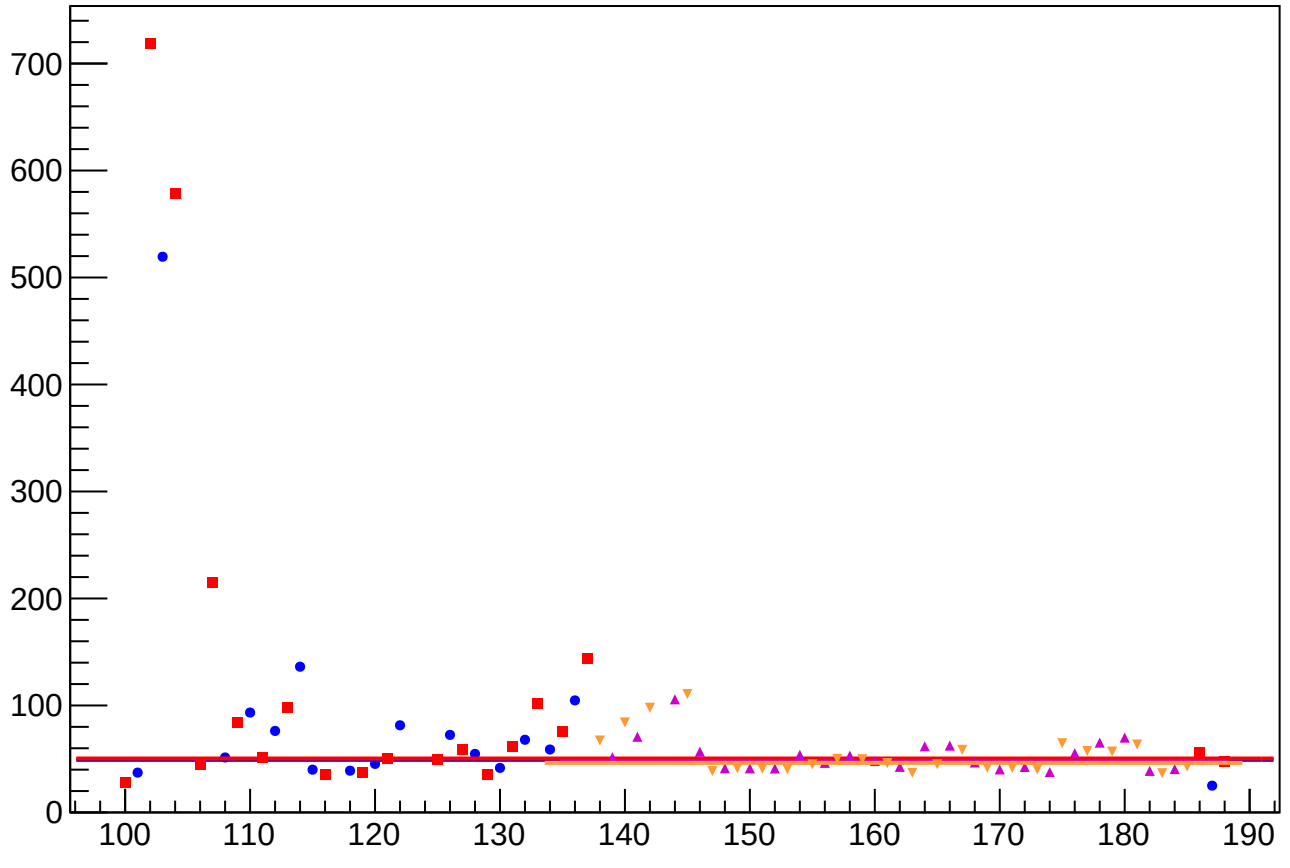
Left: -0.002+/-0.008 χ^2/NDF: 51.8/46

Right: -0.017+/-0.015 χ^2/NDF: 26.4/36

In: -0.010+/-0.011 χ^2/NDF:35.6/39

Out: -0.001+/-0.010 χ^2/NDF:43.0/43

All: -0.005+/-0.007 χ^2/NDF: 79.0/83



Right In: 49.202+/-0.015 χ^2/NDF: 2583164.8/16

Left Out: 46.353+/-0.008 χ^2/NDF:1967753.2/23

Right Out: 50.422+/-0.015 χ^2/NDF: 3062721.9/19

Left In: 47.575+/-0.009 χ^2/NDF:1576196.2/22

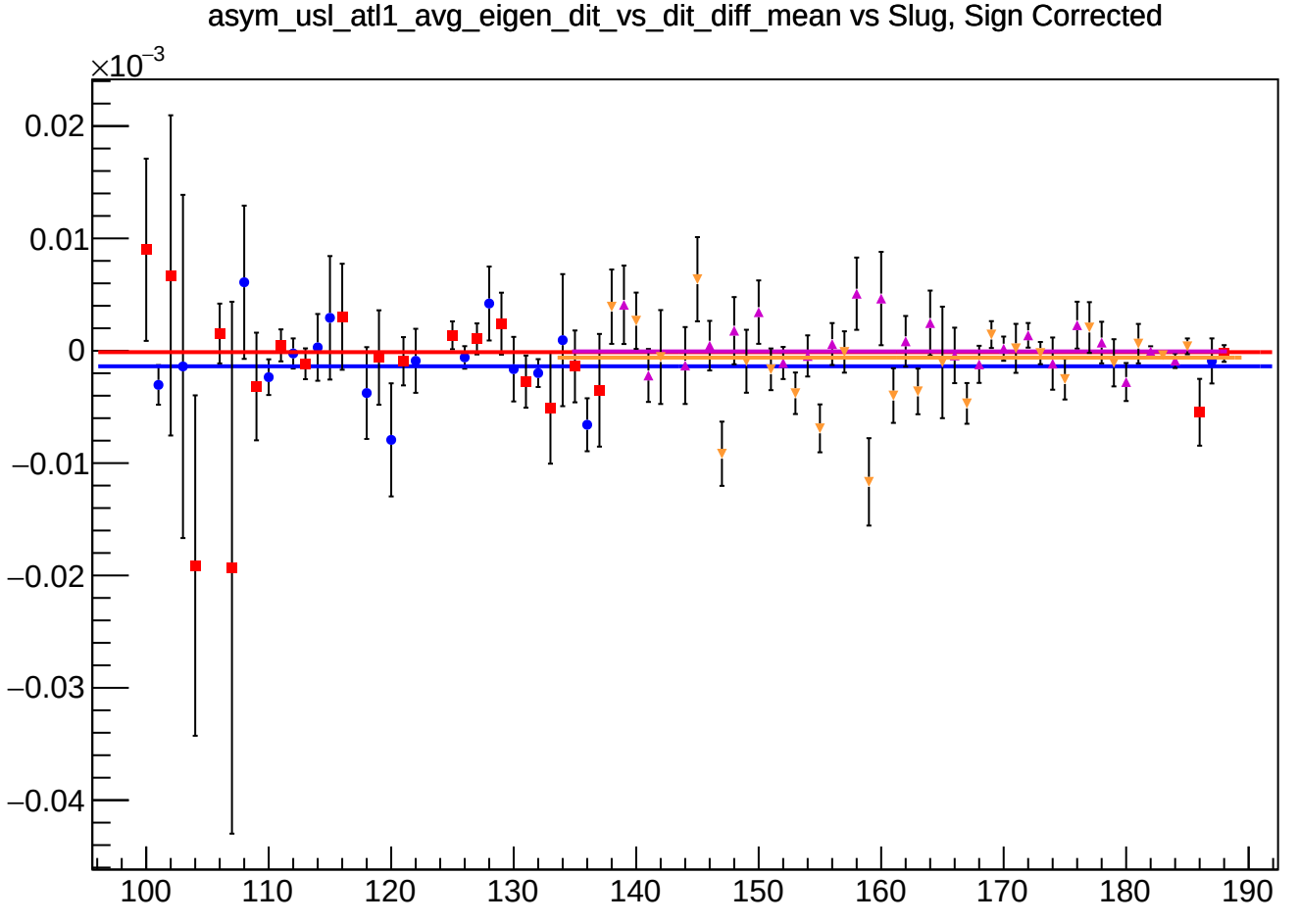
Left: 46.952+/-0.006 χ^2/NDF: 3554287.7/46

Right: 49.825+/-0.011 χ^2/NDF: 5649218.3/36

In: 47.972+/-0.007 χ^2/NDF:4168133.8/39

Out: 47.347+/-0.007 χ^2/NDF:5087617.1/43

All: 47.653+/-0.005 χ^2/NDF: 9259330.7/83



Right In: -0.000+/-0.000 χ^2/NDF: 15.0/16

Left Out: -0.000+/-0.000 χ^2/NDF:54.0/23

Right Out: -0.000+/-0.000 χ^2/NDF: 15.1/19

Left In: -0.000+/-0.000 χ^2/NDF:17.9/22

Left: -0.000+/-0.000 χ^2/NDF: 73.8/46

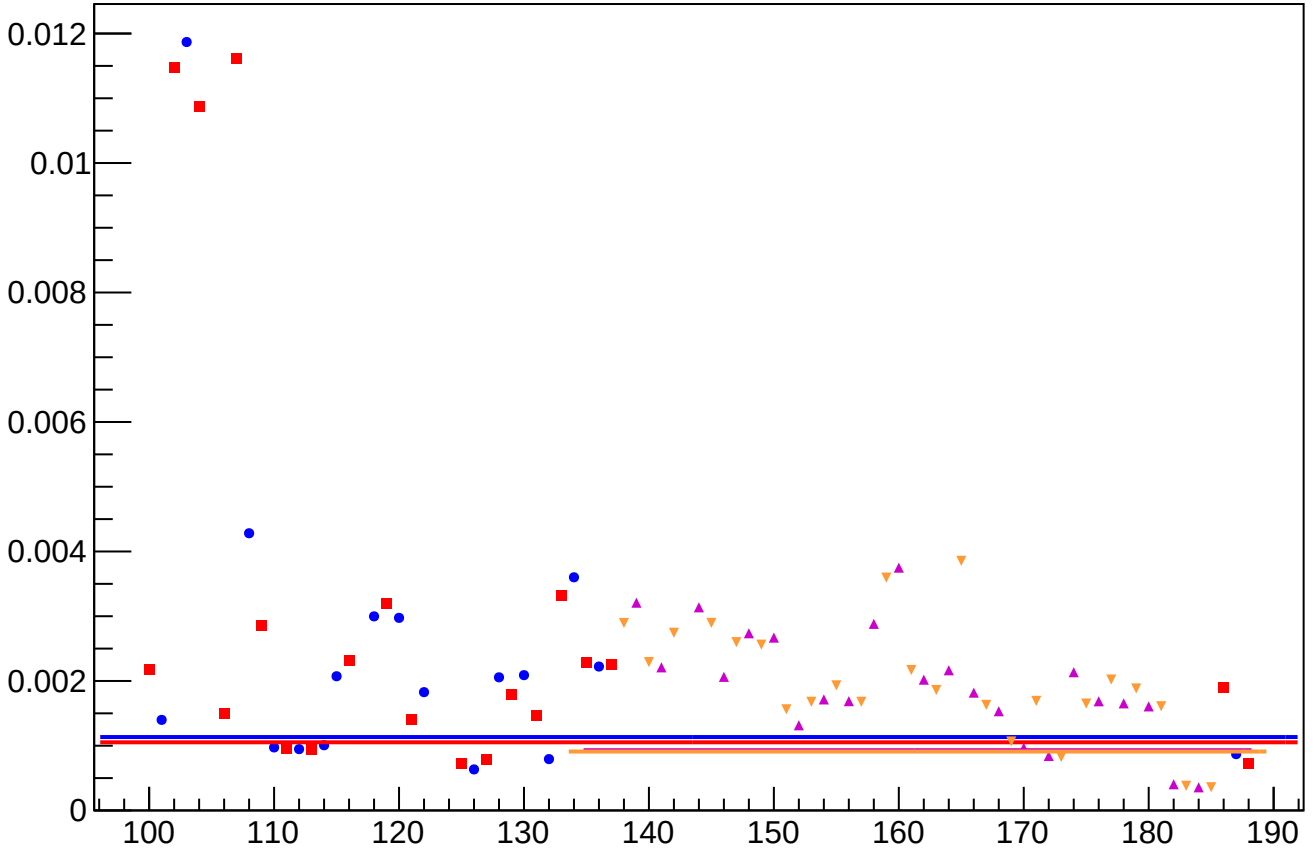
Right: -0.000+/-0.000 χ^2/NDF: 33.6/36

In: -0.000+/-0.000 χ^2/NDF:38.2/39

Out: -0.000+/-0.000 χ^2/NDF:69.9/43

All: -0.000+/-0.000 χ^2/NDF: 108.2/83

asym_usl_atl1_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 4224907.7/16

Left Out: 0.001+/-0.000 χ^2/NDF:14137356.3/23

Right Out: 0.001+/-0.000 χ^2/NDF: 5224944.7/19

Left In: 0.001+/-0.000 χ^2/NDF:13690985.6/22

Left: 0.001+/-0.000 χ^2/NDF: 27833708.7/46

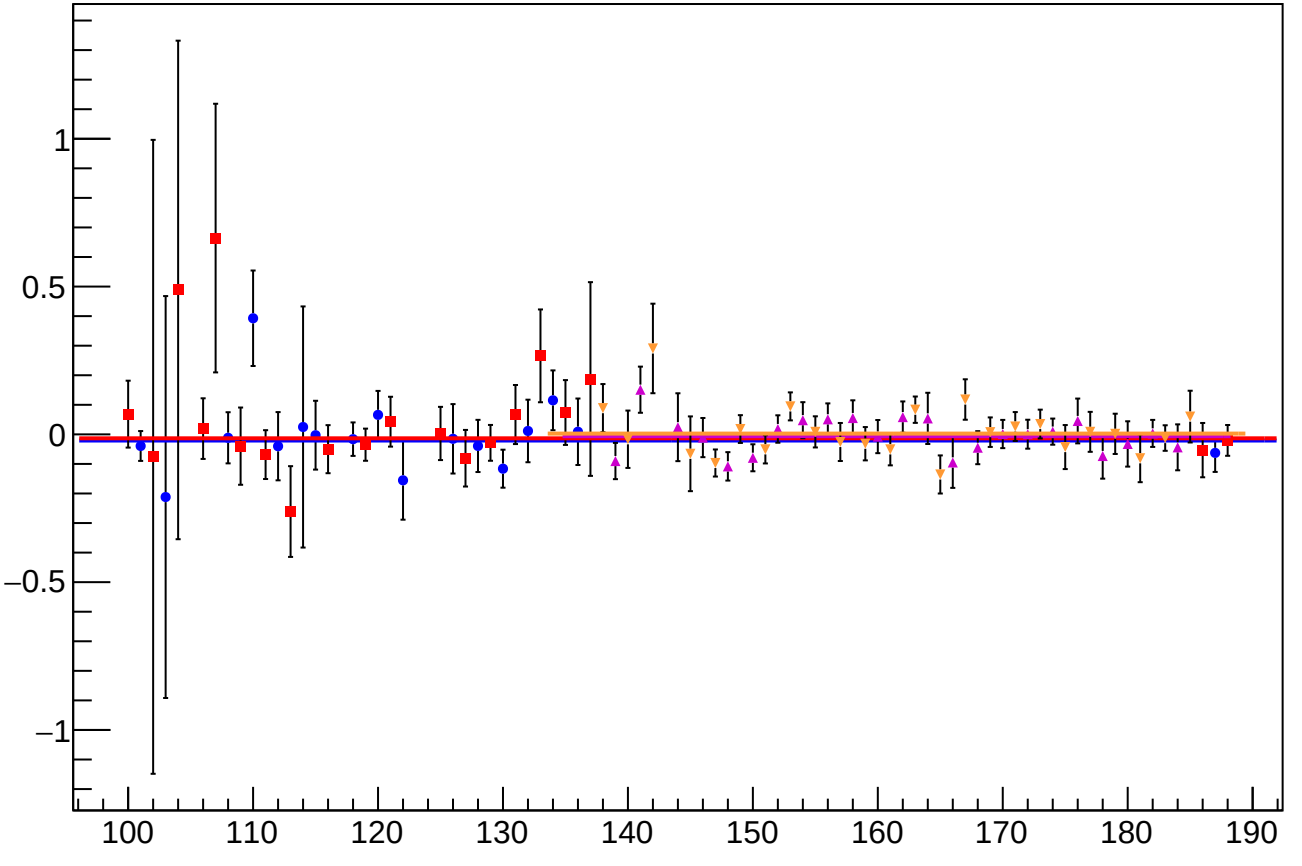
Right: 0.001+/-0.000 χ^2/NDF: 9479429.7/36

In: 0.001+/-0.000 χ^2/NDF:18166237.3/39

Out: 0.001+/-0.000 χ^2/NDF:19512214.8/43

All: 0.001+/-0.000 χ^2/NDF: 37692854.4/83

asym_usl_atl1_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.021+/-0.021 χ^2/NDF: 13.7/16

Left Out: 0.003+/-0.012 χ^2/NDF:29.9/23

Right Out: -0.013+/-0.021 χ^2/NDF: 12.7/19

Left In: -0.006+/-0.012 χ^2/NDF:21.6/22

Left: -0.002+/-0.008 χ^2/NDF: 51.8/46

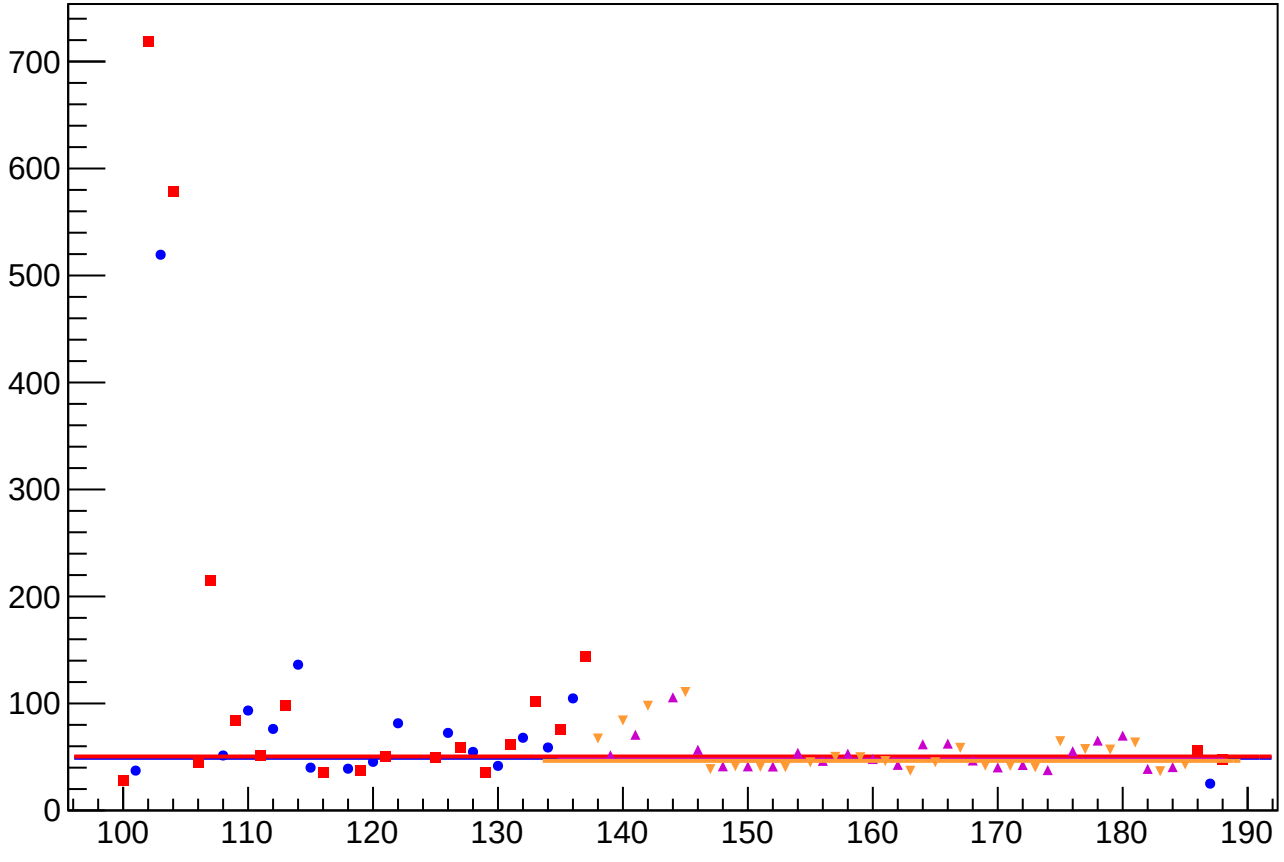
Right: -0.017+/-0.015 χ^2/NDF: 26.4/36

In: -0.010+/-0.011 χ^2/NDF:35.6/39

Out: -0.001+/-0.010 χ^2/NDF:43.0/43

All: -0.005+/-0.007 χ^2/NDF: 79.0/83

asym_usl_atl1_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 49.202+/-0.015 χ^2/NDF: 2583149.6/16

Left Out: 46.354+/-0.008 χ^2/NDF:1967741.3/23

Right Out: 50.422+/-0.015 χ^2/NDF: 3062705.1/19

Left In: 47.575+/-0.009 χ^2/NDF:1576204.5/22

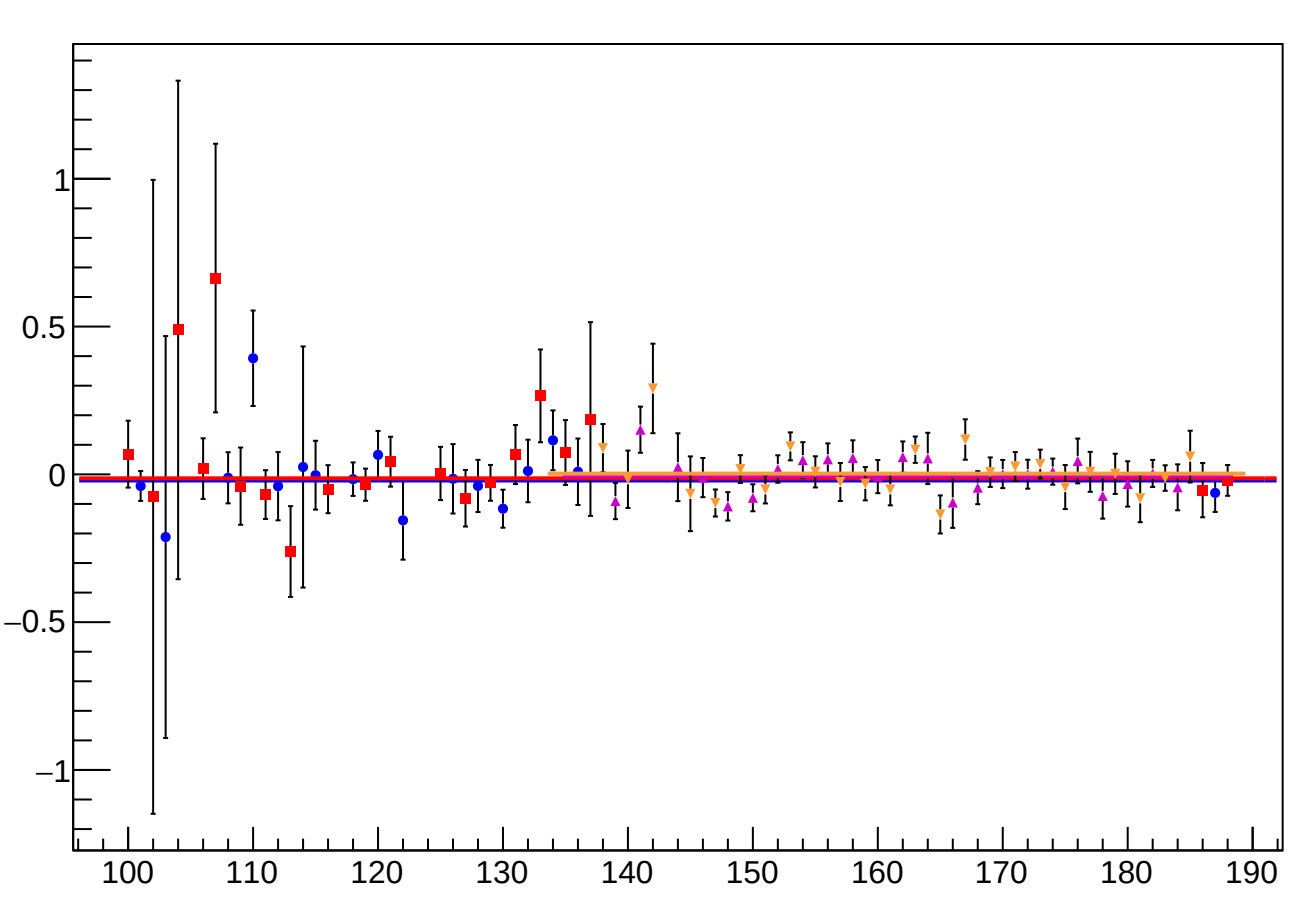
Left: 46.952+/-0.006 χ^2/NDF: 3554282.4/46

Right: 49.824+/-0.011 χ^2/NDF: 5649185.8/36

In: 47.972+/-0.007 χ^2/NDF:4168125.4/39

Out: 47.347+/-0.007 χ^2/NDF:5087578.6/43

All: 47.653+/-0.005 χ^2/NDF: 9259283.2/83



Right In: -0.021+/-0.021 χ^2/NDF: 13.7/16

Left Out: 0.003+/-0.012 χ^2/NDF:29.9/23

Right Out: -0.013+/-0.021 χ^2/NDF: 12.7/19

Left In: -0.006+/-0.012 χ^2/NDF:21.6/22

Left: -0.002+/-0.008 χ^2/NDF: 51.8/46

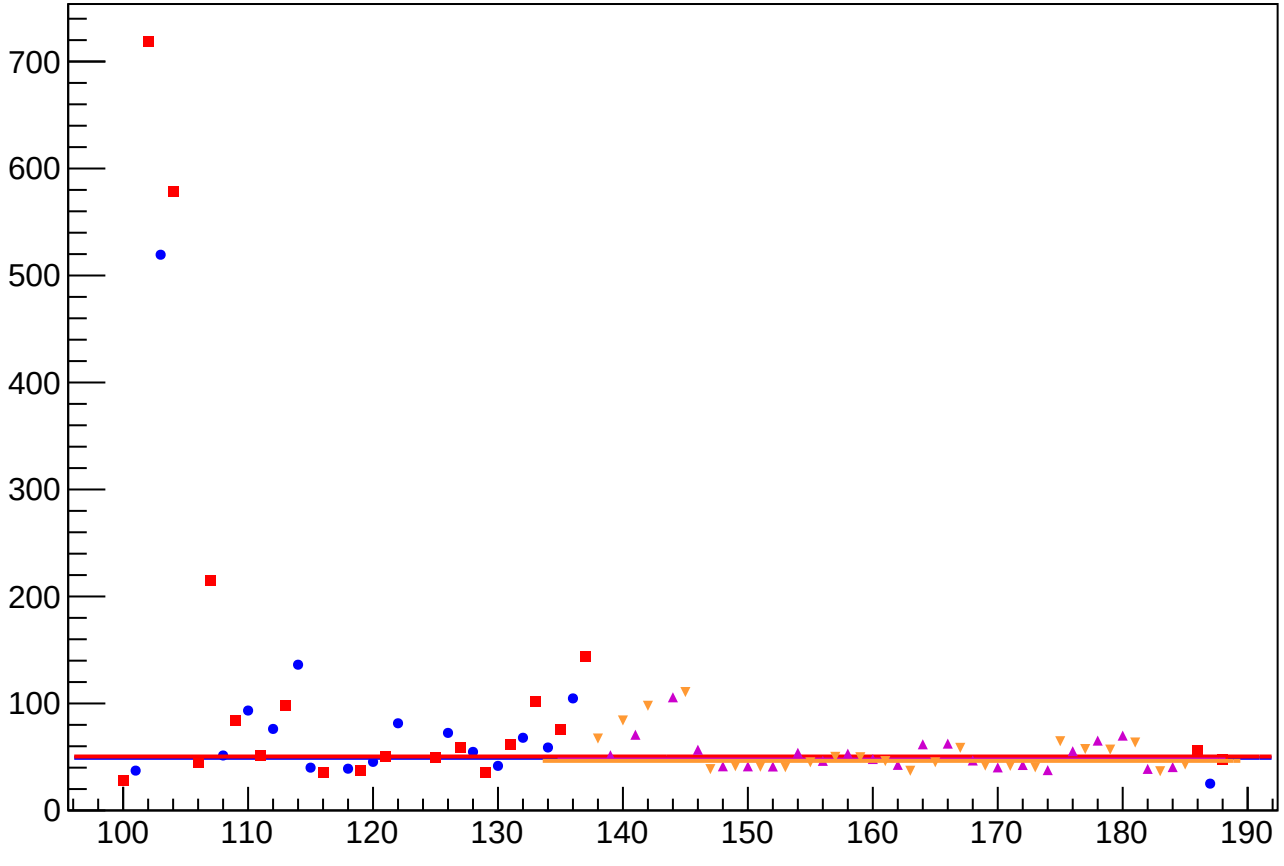
Right: -0.017+/-0.015 χ^2/NDF: 26.4/36

In: -0.010+/-0.011 χ^2/NDF:35.6/39

Out: -0.001+/-0.010 χ^2/NDF:43.0/43

All: -0.005+/-0.007 χ^2/NDF: 79.0/83

asym_usl_atl1_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 49.202+/-0.015 χ^2/NDF: 2583149.6/16

Left Out: 46.354+/-0.008 χ^2/NDF:1967741.3/23

Right Out: 50.422+/-0.015 χ^2/NDF: 3062705.1/19

Left In: 47.575+/-0.009 χ^2/NDF:1576204.5/22

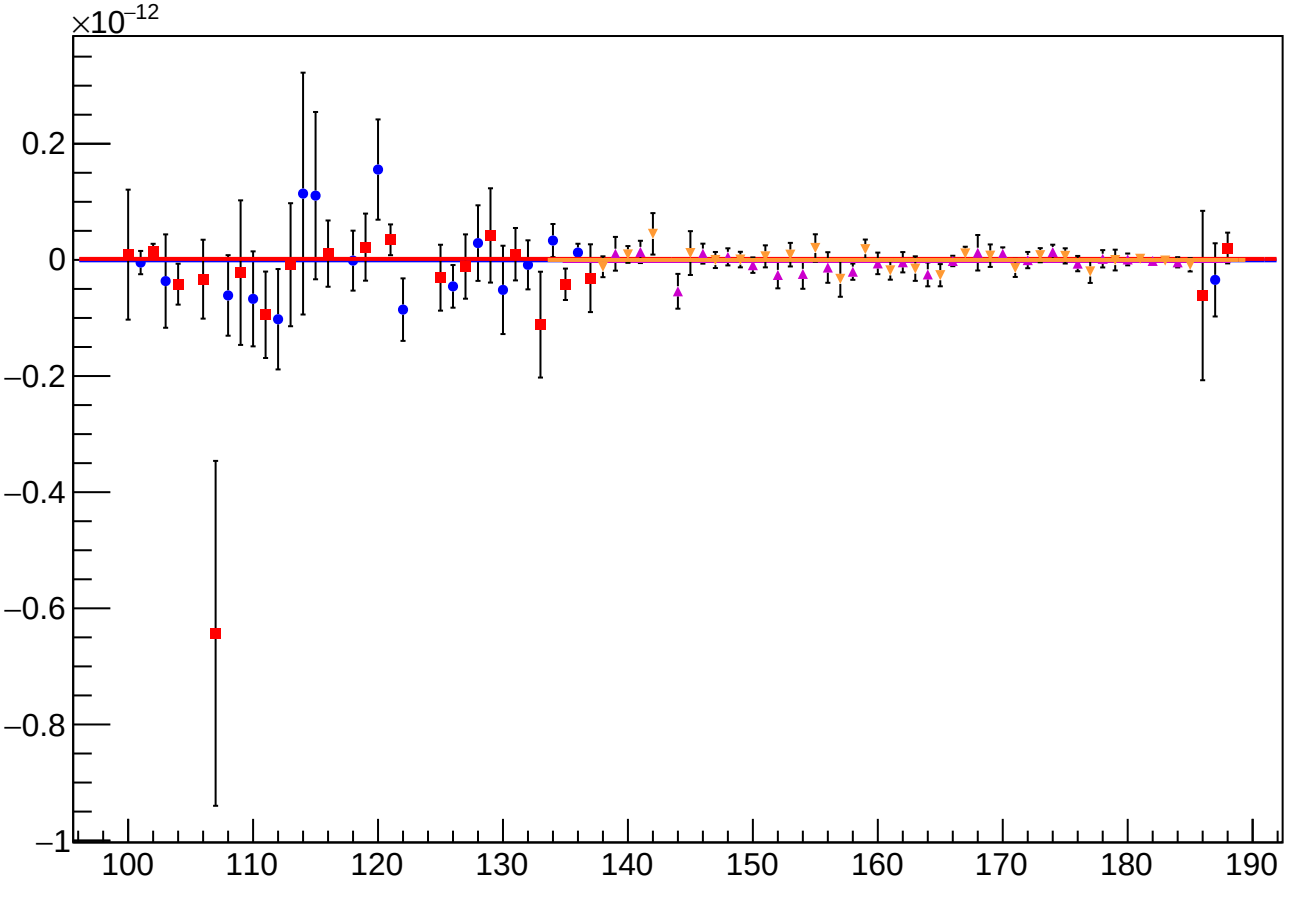
Left: 46.952+/-0.006 χ^2/NDF: 3554282.4/46

Right: 49.824+/-0.011 χ^2/NDF: 5649185.8/36

In: 47.972+/-0.007 χ^2/NDF:4168125.4/39

Out: 47.347+/-0.007 χ^2/NDF:5087578.6/43

All: 47.653+/-0.005 χ^2/NDF: 9259283.2/83



Right In: -0.000+/-0.000 χ^2/NDF: 14.4/16

Left Out: -0.000+/-0.000 χ^2/NDF:13.9/23

Right Out: 0.000+/-0.000 χ^2/NDF: 16.8/19

Left In: -0.000+/-0.000 χ^2/NDF:13.4/22

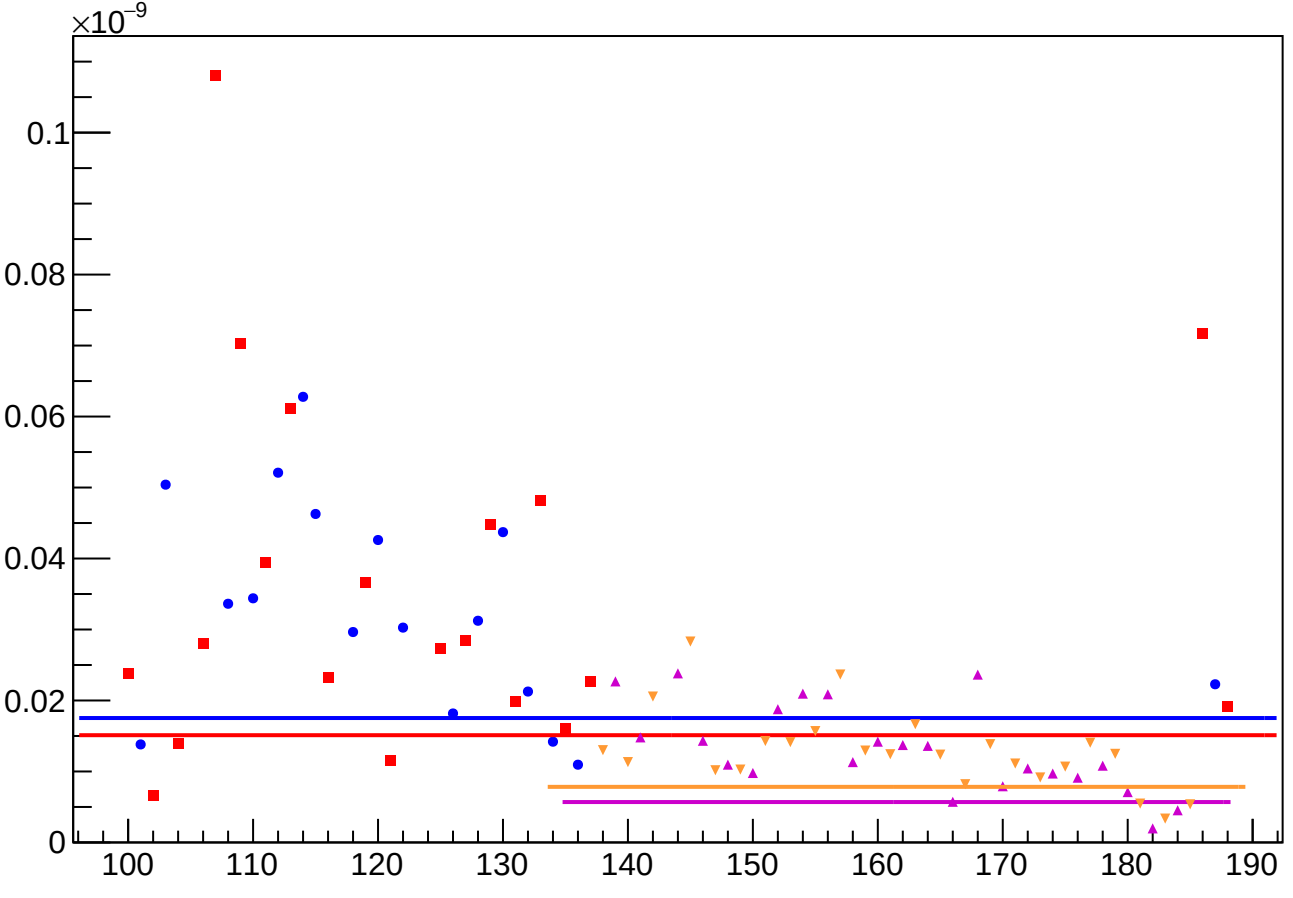
Left: -0.000+/-0.000 χ^2/NDF: 27.5/46

Right: 0.000+/-0.000 χ^2/NDF: 31.1/36

In: -0.000+/-0.000 χ^2/NDF:27.7/39

Out: 0.000+/-0.000 χ^2/NDF:30.7/43

All: -0.000+/-0.000 χ^2/NDF: 58.7/83



Right In: 0.000+/-0.000 χ^2/NDF: 2236171.4/16

Left Out: 0.000+/-0.000 χ^2/NDF:6422392.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 3619065.0/19

Left In: 0.000+/-0.000 χ^2/NDF:11199324.6/22

Left: 0.000+/-0.000 χ^2/NDF: 18452669.5/46

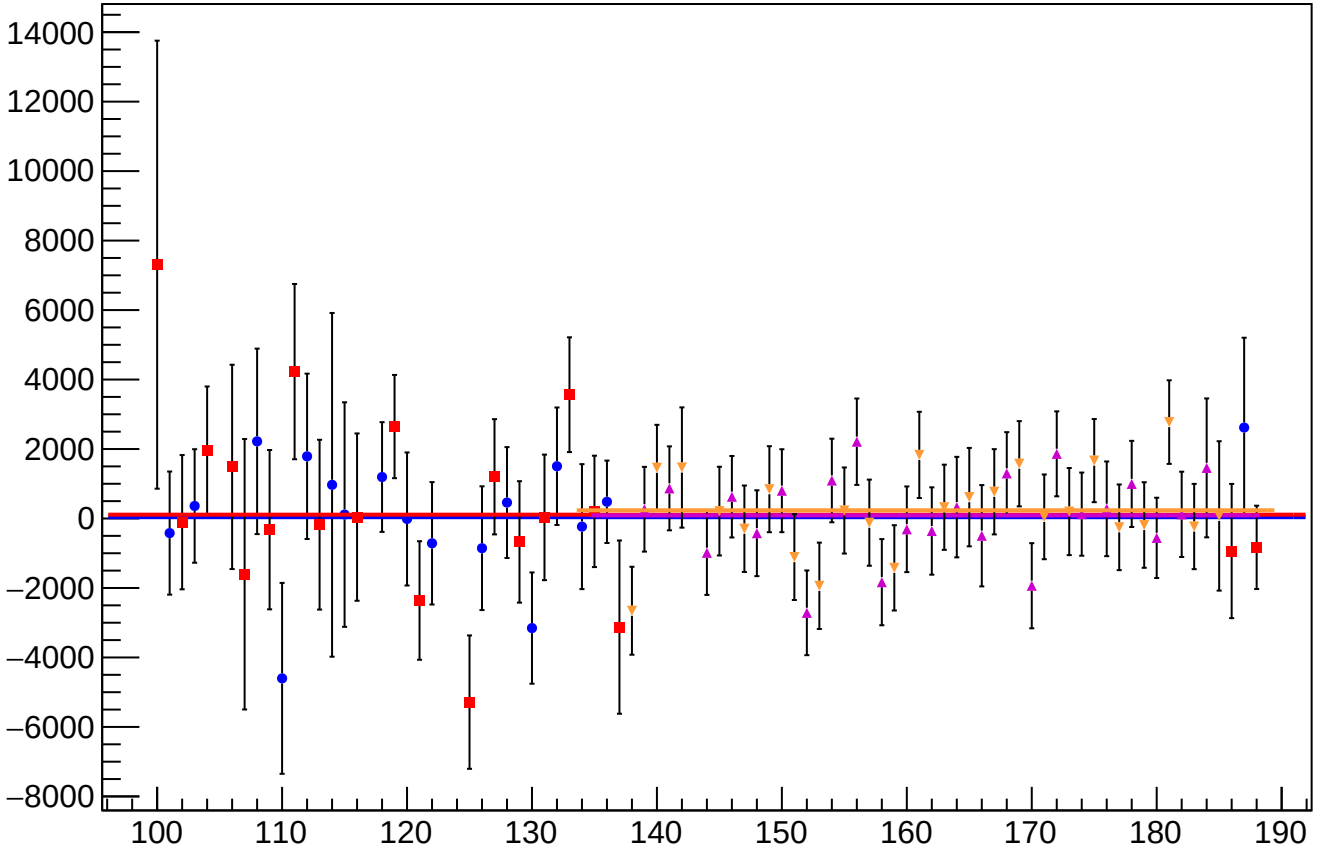
Right: 0.000+/-0.000 χ^2/NDF: 5929304.4/36

In: 0.000+/-0.000 χ^2/NDF:16520599.5/39

Out: 0.000+/-0.000 χ^2/NDF:11396129.9/43

All: 0.000+/-0.000 χ^2/NDF: 28824339.1/83

reg_asym_usl_atl1_dd_mean vs Slug, Sign Corrected



Right In: 37.690+/-452.147 χ^2/NDF: 11.1/16

Left Out: 236.601+/-259.669 χ^2/NDF:22.7/23

Right Out: 110.486+/-430.481 χ^2/NDF: 25.9/19

Left In: 88.380+/-261.602 χ^2/NDF:20.9/22

Left: 163.040+/-184.293 χ^2/NDF: 43.8/46

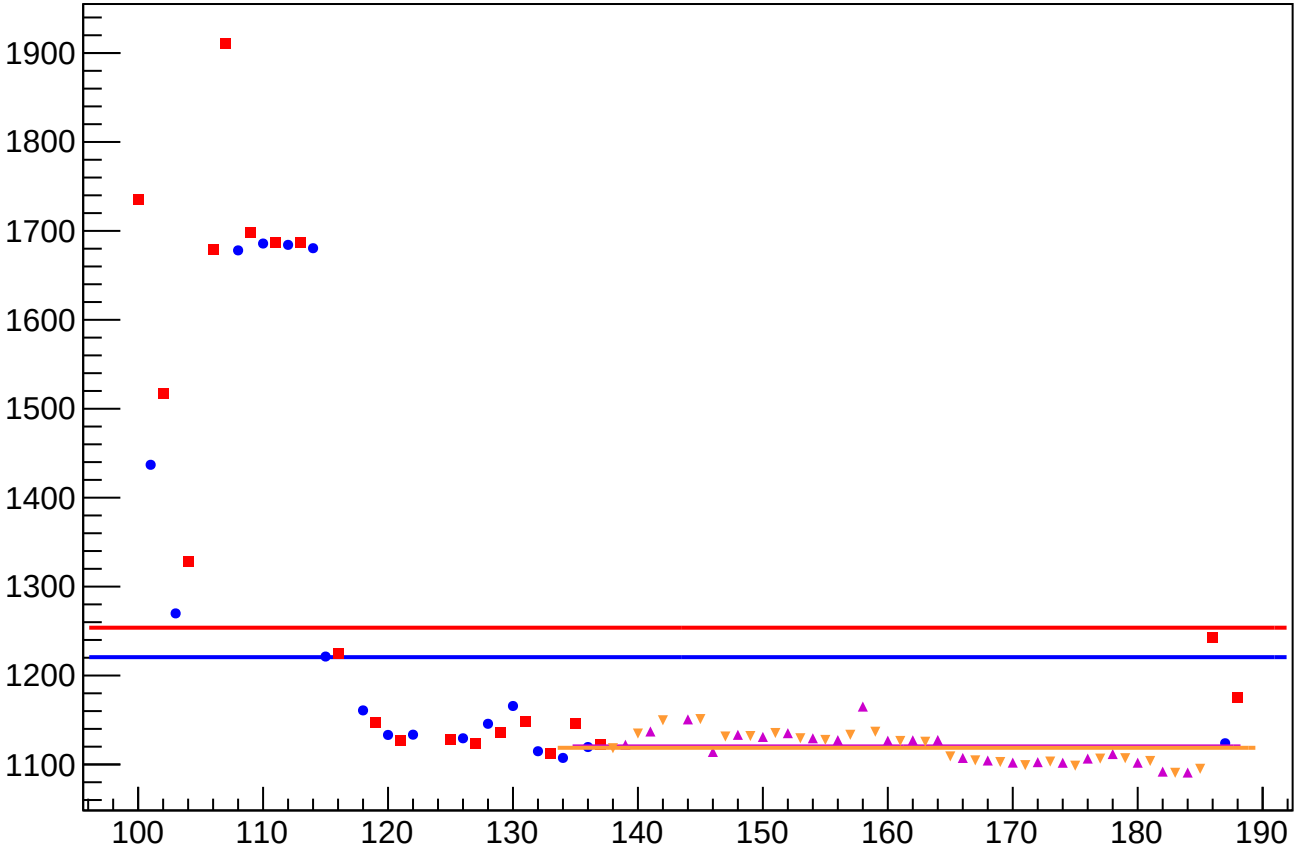
Right: 75.874+/-311.774 χ^2/NDF: 37.0/36

In: 75.667+/-226.434 χ^2/NDF:32.0/39

Out: 202.955+/-222.349 χ^2/NDF:48.7/43

All: 140.470+/-158.649 χ^2/NDF: 80.9/83

reg_asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1220.652+/-0.320 χ^2/NDF: 297857.3/16

Left Out: 1118.733+/-0.184 χ^2/NDF:8205.0/23

Right Out: 1253.789+/-0.304 χ^2/NDF: 443012.8/19

Left In: 1120.308+/-0.185 χ^2/NDF:9479.7/22

Left: 1119.515+/-0.130 χ^2/NDF: 17721.2/46

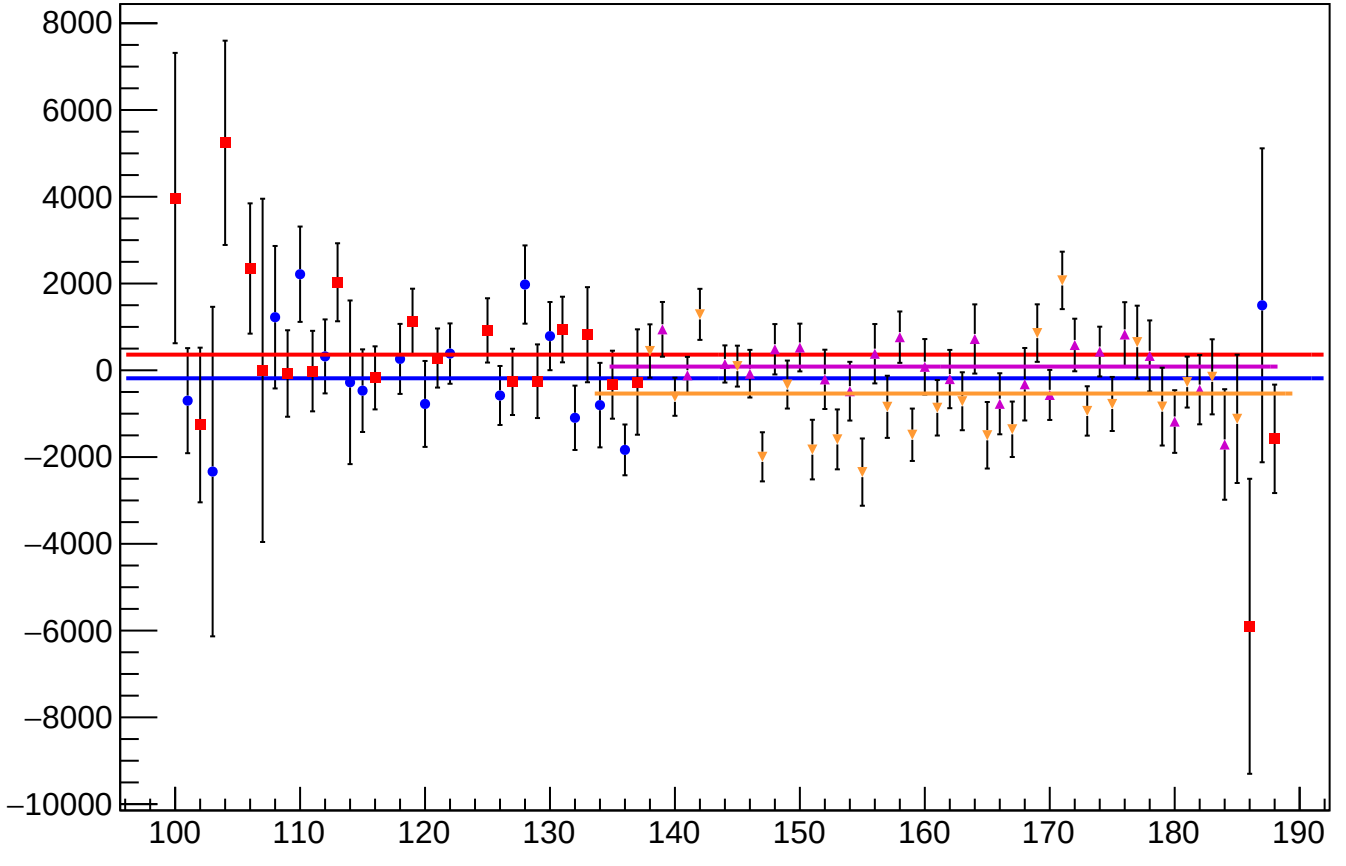
Right: 1238.033+/-0.220 χ^2/NDF: 746504.8/36

In: 1145.474+/-0.160 χ^2/NDF:381136.0/39

Out: 1154.764+/-0.157 χ^2/NDF:595555.0/43

All: 1150.204+/-0.112 χ^2/NDF: 978404.8/83

asym_usl_atl1_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: -184.251+/-222.447 χ^2/NDF: 25.5/16

Left Out: -535.899+/-130.646 χ^2/NDF:61.6/23

Right Out: 360.960+/-219.269 χ^2/NDF: 22.8/19

Left In: 85.254+/-130.966 χ^2/NDF:17.1/22

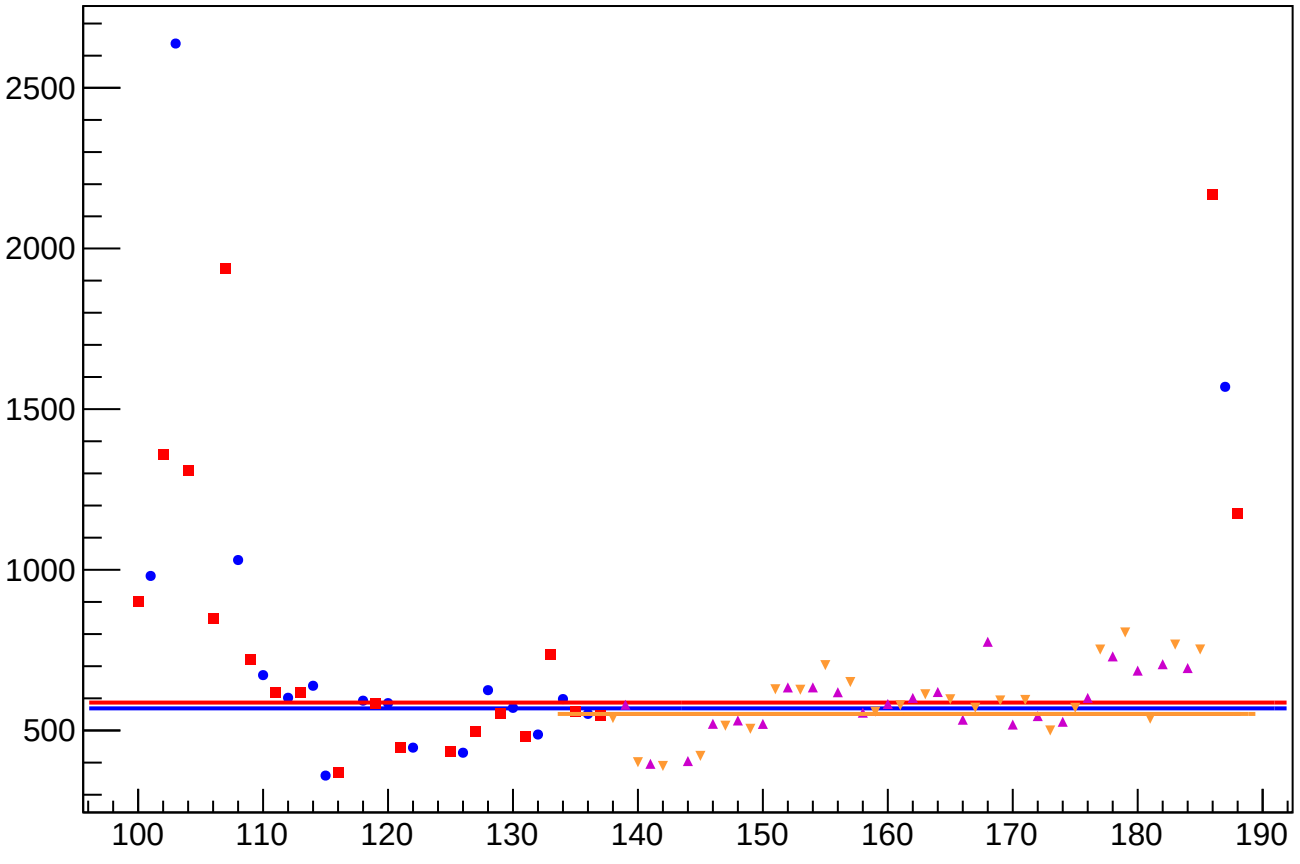
Left: -226.082+/-92.494 χ^2/NDF: 90.0/46

Right: 92.277+/-156.158 χ^2/NDF: 51.3/36

In: 15.883+/-112.859 χ^2/NDF:43.7/39

Out: -300.925+/-112.234 χ^2/NDF:96.7/43

All: -143.400+/-79.581 χ^2/NDF: 144.3/83



Right In: 568.755+/-0.157 χ^2/NDF: 1438035.4/16

Left Out: 551.440+/-0.092 χ^2/NDF:1226616.4/23

Right Out: 586.817+/-0.155 χ^2/NDF: 2254250.1/19

Left In: 551.336+/-0.093 χ^2/NDF:1061764.2/22

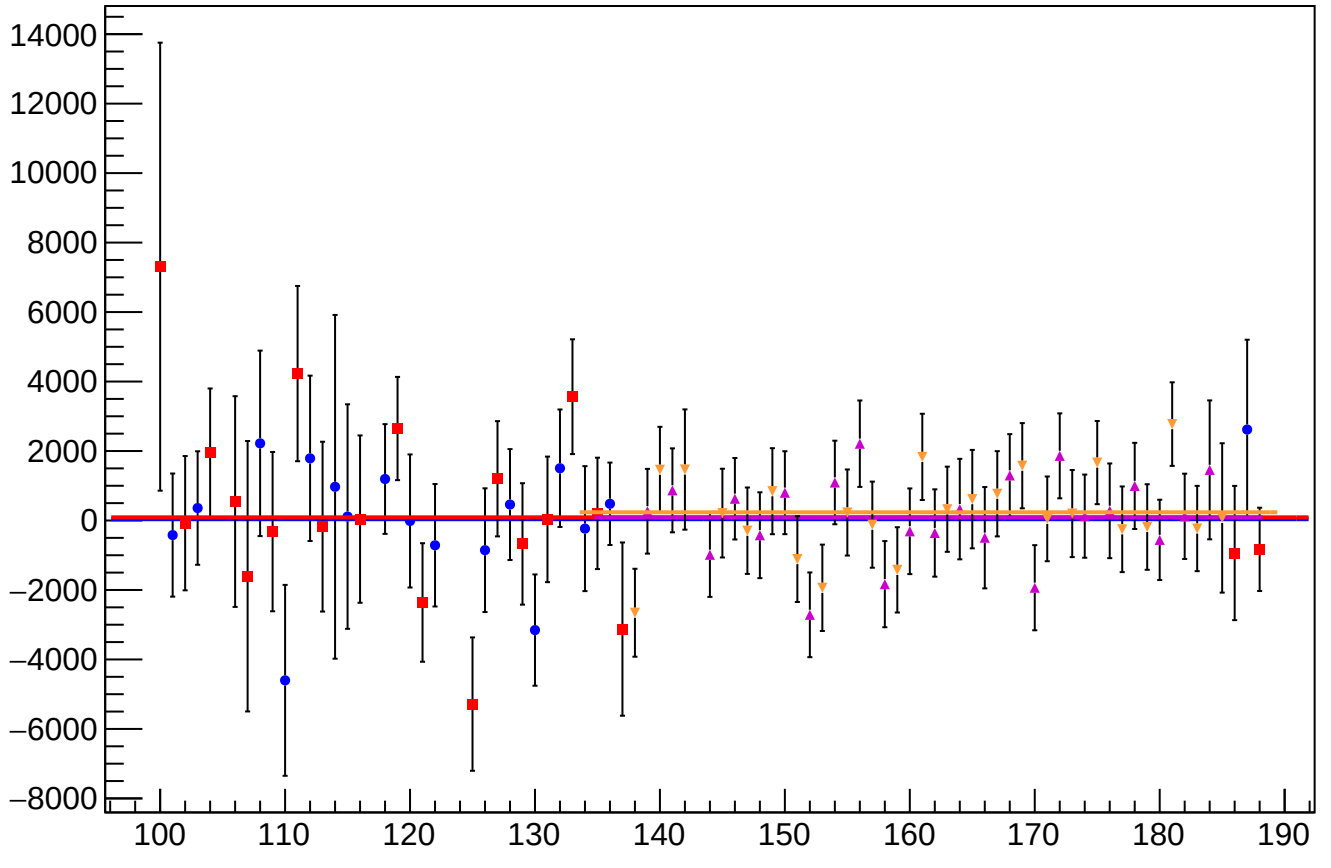
Left: 551.388+/-0.065 χ^2/NDF: 2288381.2/46

Right: 577.916+/-0.110 χ^2/NDF: 3698972.8/36

In: 555.820+/-0.080 χ^2/NDF:2508906.8/39

Out: 560.709+/-0.079 χ^2/NDF:3519287.7/43

All: 558.278+/-0.056 χ^2/NDF: 6030081.2/83



Right In: 37.456+/-452.147 χ^2/NDF: 11.1/16

Left Out: 236.642+/-259.669 χ^2/NDF:22.7/23

Right Out: 91.260+/-430.761 χ^2/NDF: 25.7/19

Left In: 88.370+/-261.602 χ^2/NDF:20.9/22

Left: 163.056+/-184.293 χ^2/NDF: 43.8/46

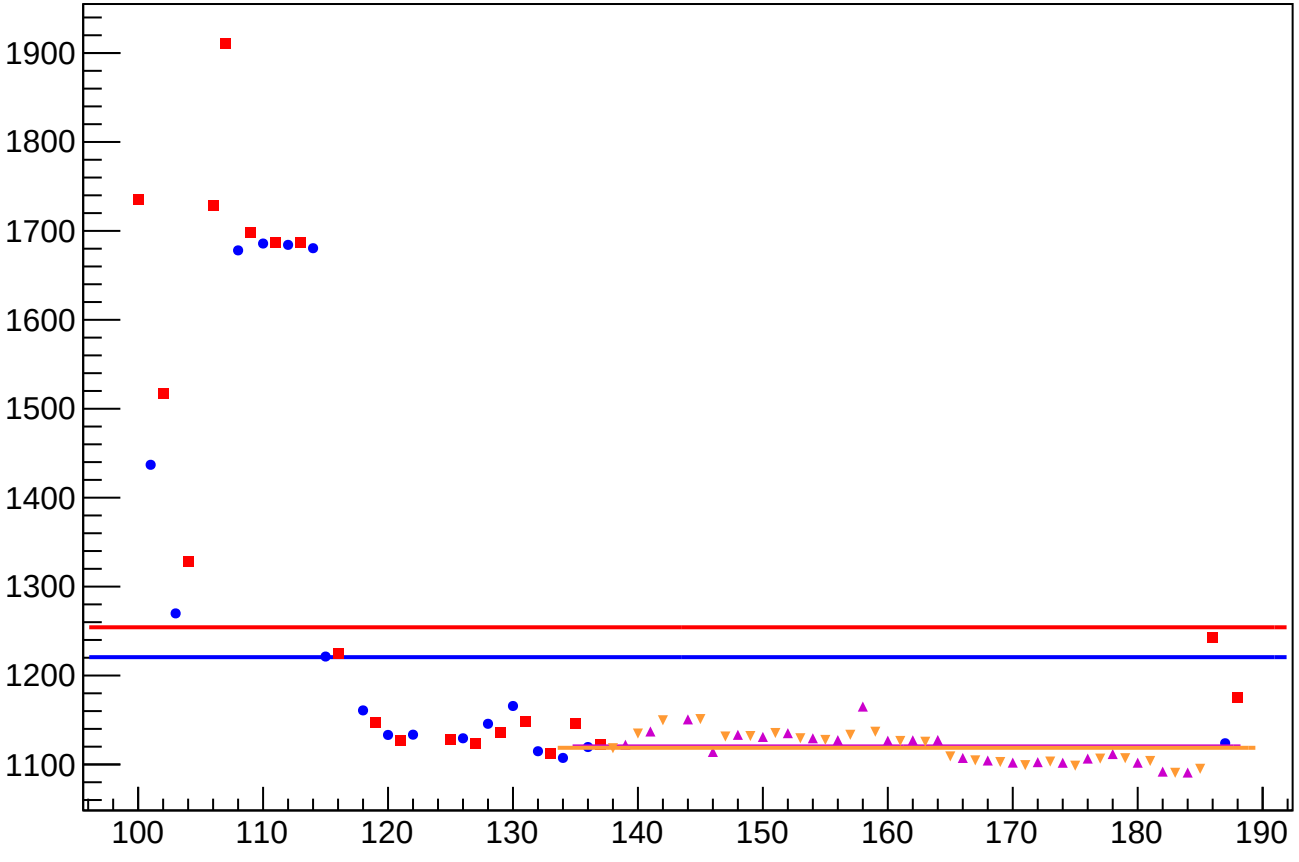
Right: 65.660+/-311.880 χ^2/NDF: 36.8/36

In: 75.601+/-226.434 χ^2/NDF:32.0/39

Out: 197.893+/-222.388 χ^2/NDF:48.5/43

All: 137.849+/-158.663 χ^2/NDF: 80.7/83

cor_asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1220.652+/-0.320 χ^2/NDF: 297857.4/16

Left Out: 1118.733+/-0.184 χ^2/NDF:8205.0/23

Right Out: 1254.251+/-0.305 χ^2/NDF: 450282.4/19

Left In: 1120.308+/-0.185 χ^2/NDF:9479.7/22

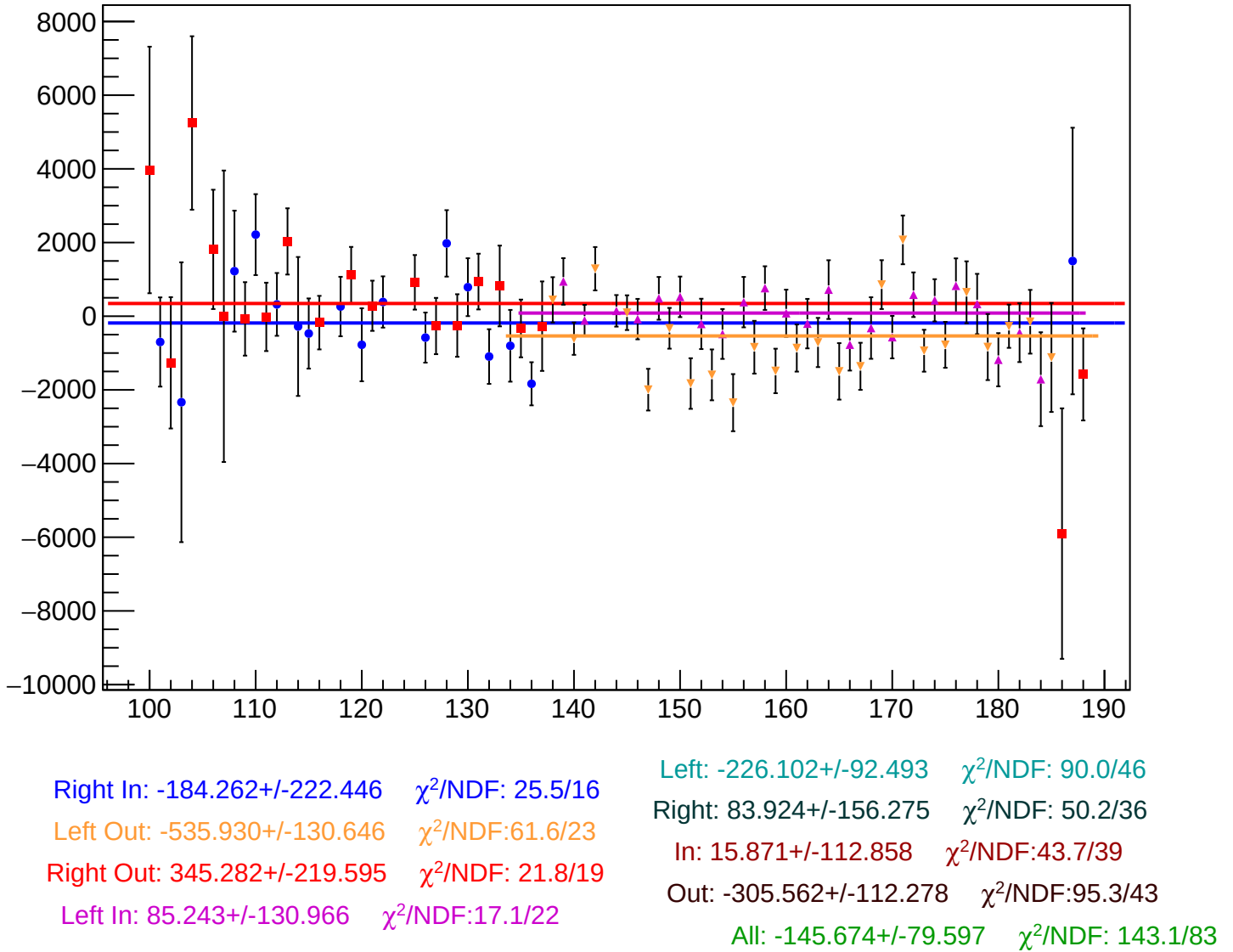
Left: 1119.515+/-0.130 χ^2/NDF: 17721.2/46

Right: 1238.265+/-0.221 χ^2/NDF: 753929.1/36

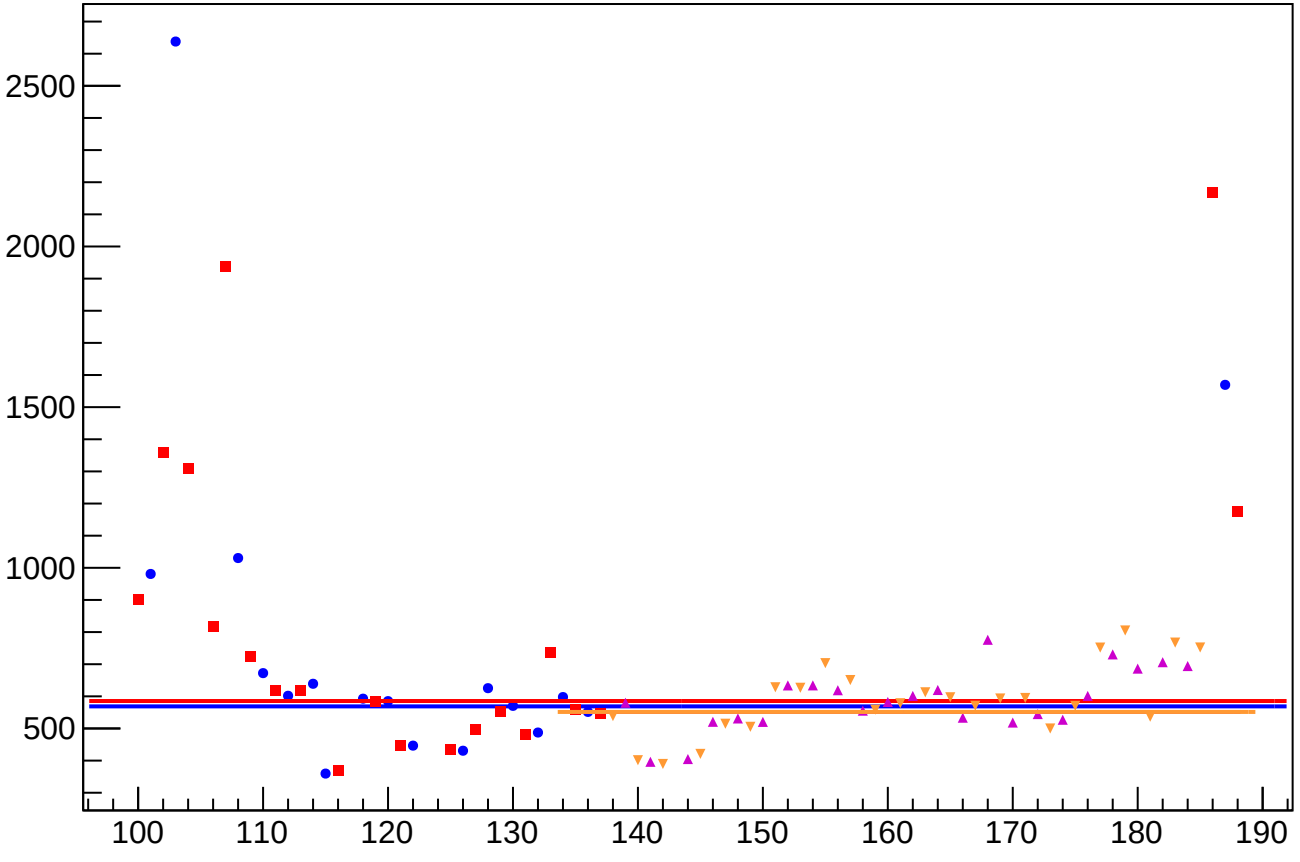
In: 1145.474+/-0.160 χ^2/NDF:381136.1/39

Out: 1154.853+/-0.157 χ^2/NDF:603676.0/43

All: 1150.248+/-0.112 χ^2/NDF: 986558.6/83


asym_usl_atl1_dd_cor_correction_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
100
110
120
130
140
150
160
170
180
190
Right In: -184.262+/-222.446 χ²/NDF: 25.5/16
Left Out: -535.930+/-130.646 χ²/NDF:61.6/23
Right Out: 345.282+/-219.595 χ²/NDF: 21.8/19
Left In: 85.243+/-130.966 χ²/NDF:17.1/22
Left: -226.102+/-92.493 χ²/NDF: 90.0/46
Right: 83.924+/-156.275 χ²/NDF: 50.2/36
In: 15.871+/-112.858 χ²/NDF:43.7/39
Out: -305.562+/-112.278 χ²/NDF:95.3/43
All: -145.674+/-79.597 χ²/NDF: 143.1/83

asym_usl_atl1_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 568.751+/-0.157 χ^2/NDF: 1438012.9/16

Left Out: 551.439+/-0.092 χ^2/NDF:1226632.2/23

Right Out: 585.459+/-0.155 χ^2/NDF: 2234340.2/19

Left In: 551.335+/-0.093 χ^2/NDF:1061731.9/22

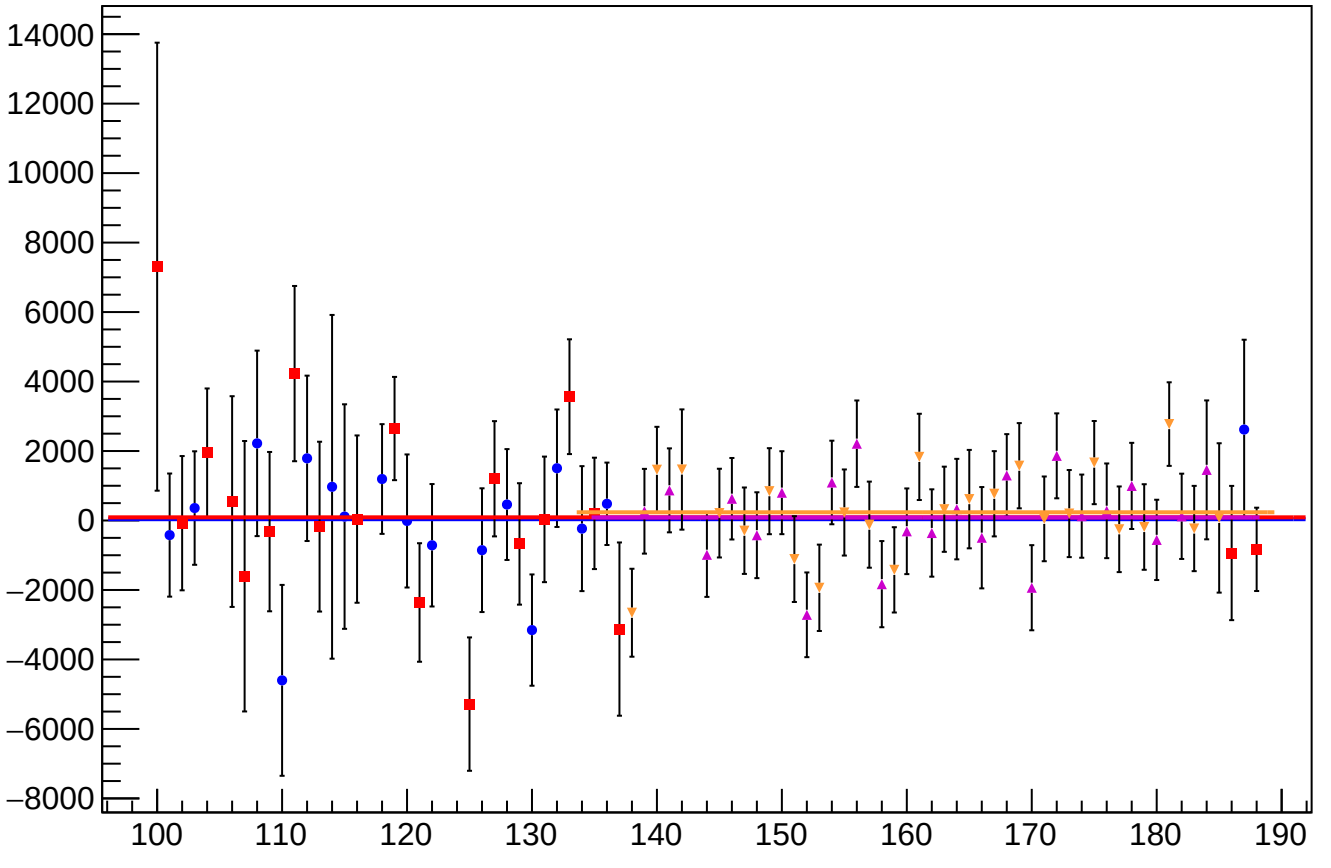
Left: 551.388+/-0.065 χ^2/NDF: 2288364.7/46

Right: 577.213+/-0.111 χ^2/NDF: 3678067.8/36

In: 555.818+/-0.080 χ^2/NDF:2508848.0/39

Out: 560.333+/-0.079 χ^2/NDF:3496424.9/43

All: 558.087+/-0.056 χ^2/NDF: 6006881.4/83



Right In: 37.456+/-452.147 χ^2/NDF: 11.1/16

Left Out: 236.642+/-259.669 χ^2/NDF:22.7/23

Right Out: 91.260+/-430.761 χ^2/NDF: 25.7/19

Left In: 88.370+/-261.602 χ^2/NDF:20.9/22

Left: 163.056+/-184.293 χ^2/NDF: 43.8/46

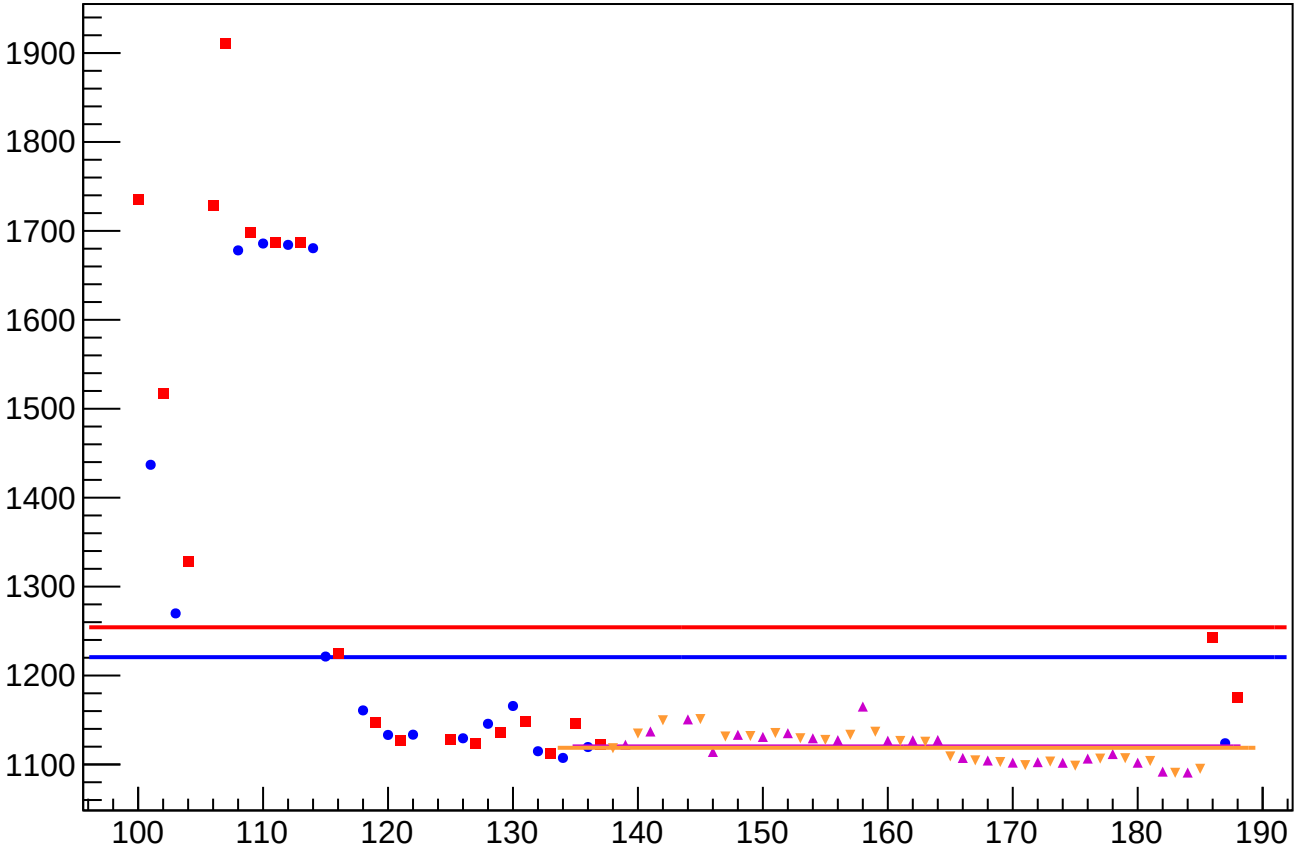
Right: 65.660+/-311.880 χ^2/NDF: 36.8/36

In: 75.601+/-226.434 χ^2/NDF:32.0/39

Out: 197.893+/-222.388 χ^2/NDF:48.5/43

All: 137.849+/-158.663 χ^2/NDF: 80.7/83

eigen_cor_asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1220.652+/-0.320 χ^2/NDF: 297857.4/16

Left Out: 1118.733+/-0.184 χ^2/NDF:8205.0/23

Right Out: 1254.251+/-0.305 χ^2/NDF: 450282.4/19

Left In: 1120.308+/-0.185 χ^2/NDF:9479.7/22

Left: 1119.515+/-0.130 χ^2/NDF: 17721.2/46

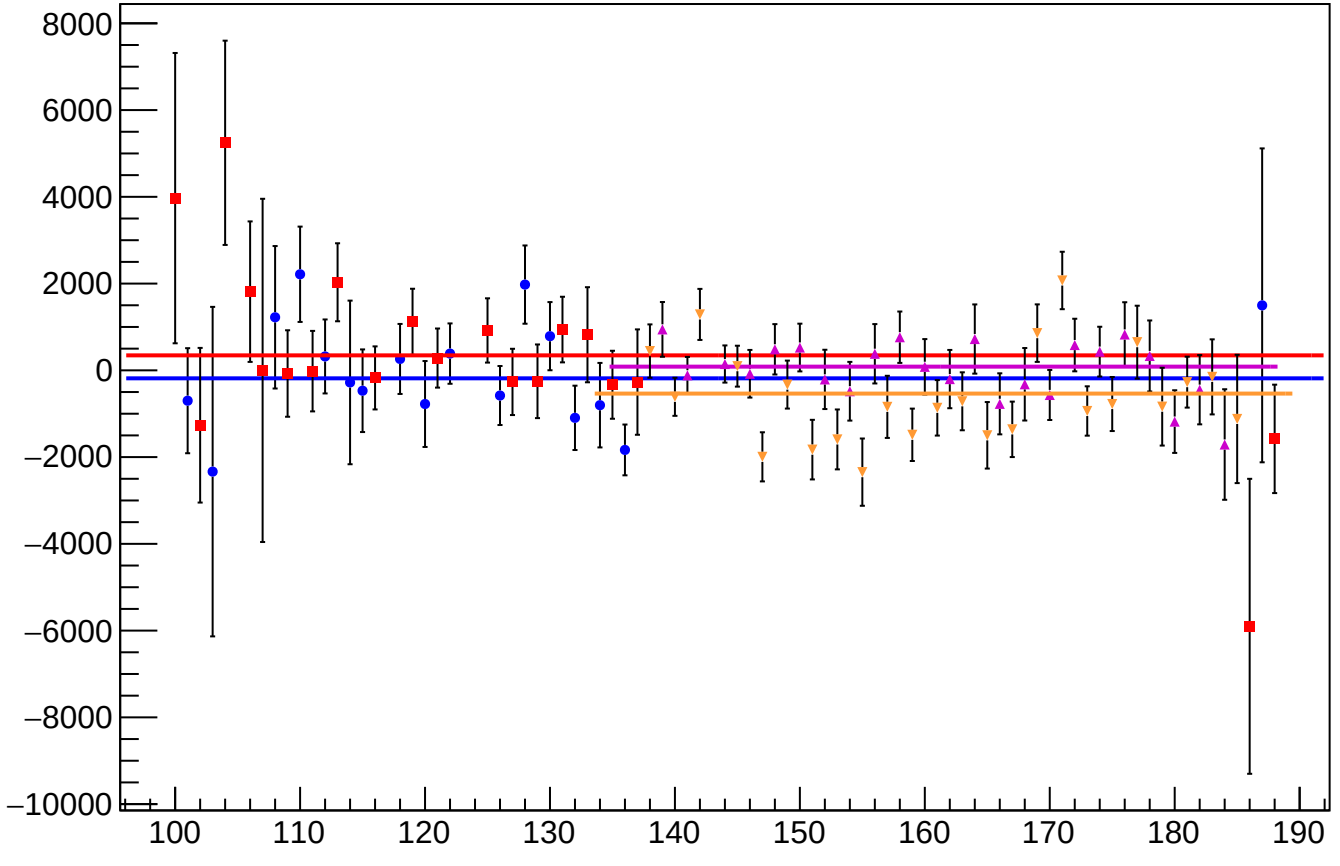
Right: 1238.265+/-0.221 χ^2/NDF: 753929.1/36

In: 1145.474+/-0.160 χ^2/NDF:381136.1/39

Out: 1154.853+/-0.157 χ^2/NDF:603676.0/43

All: 1150.248+/-0.112 χ^2/NDF: 986558.6/83

asym_usl_atl1_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -184.262+/-222.446 χ^2/NDF: 25.5/16

Left Out: -535.930+/-130.646 χ^2/NDF:61.6/23

Right Out: 345.282+/-219.595 χ^2/NDF: 21.8/19

Left In: 85.243+/-130.966 χ^2/NDF:17.1/22

Left: -226.102+/-92.493 χ^2/NDF: 90.0/46

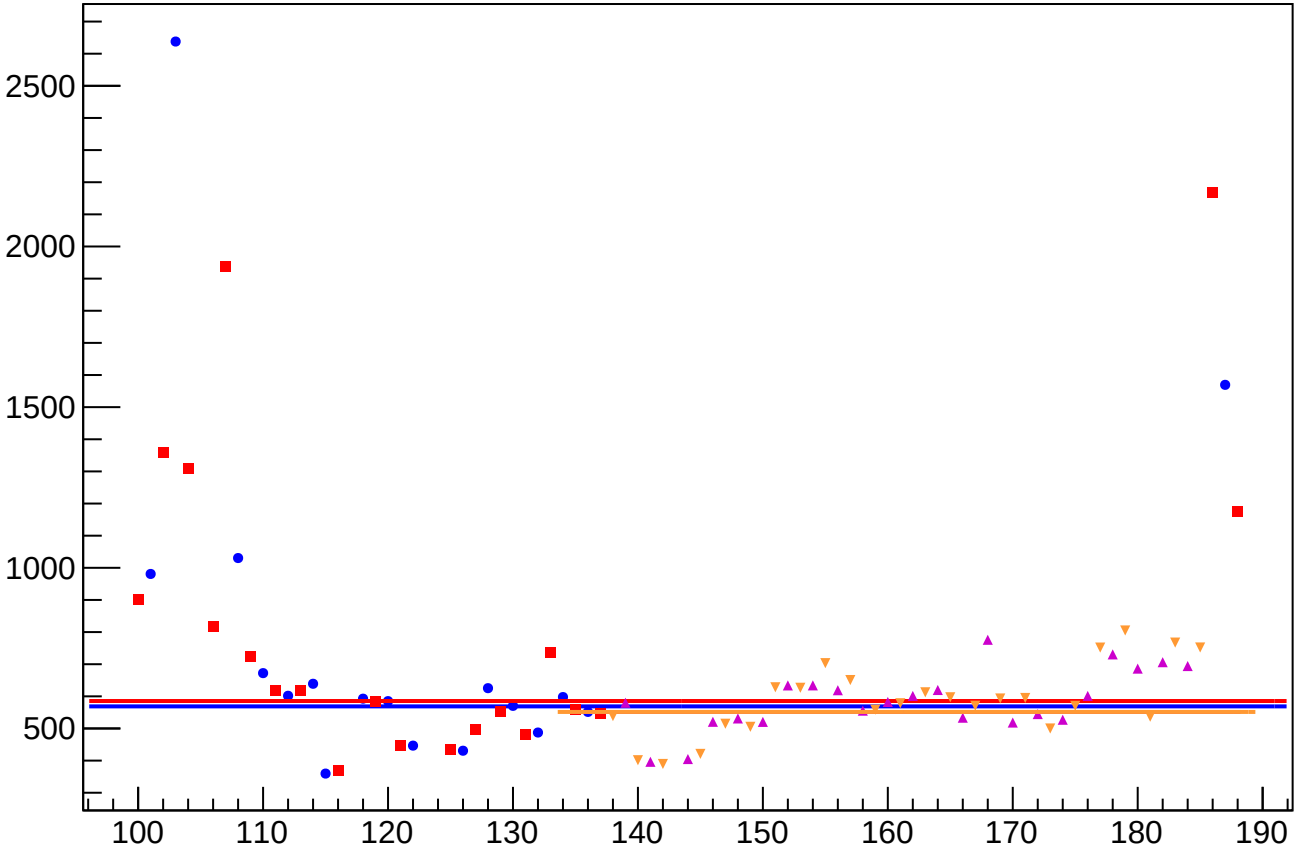
Right: 83.924+/-156.275 χ^2/NDF: 50.2/36

In: 15.871+/-112.858 χ^2/NDF:43.7/39

Out: -305.562+/-112.278 χ^2/NDF:95.3/43

All: -145.674+/-79.597 χ^2/NDF: 143.1/83

asym_usl_atl1_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 568.751+/-0.157 χ^2/NDF: 1438012.9/16

Left Out: 551.439+/-0.092 χ^2/NDF:1226632.2/23

Right Out: 585.459+/-0.155 χ^2/NDF: 2234340.2/19

Left In: 551.335+/-0.093 χ^2/NDF:1061731.9/22

Left: 551.388+/-0.065 χ^2/NDF: 2288364.7/46

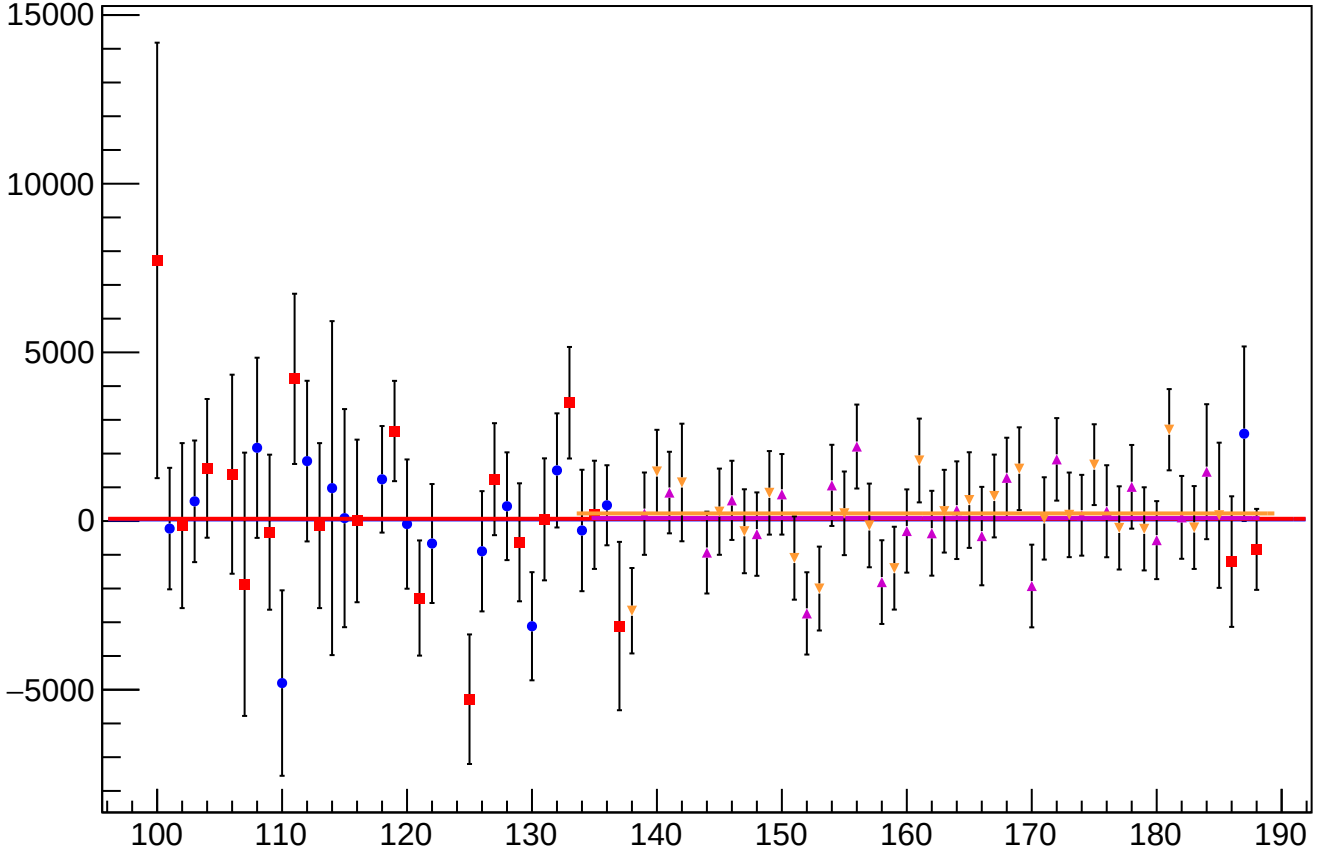
Right: 577.213+/-0.111 χ^2/NDF: 3678067.8/36

In: 555.818+/-0.080 χ^2/NDF:2508848.0/39

Out: 560.333+/-0.079 χ^2/NDF:3496424.9/43

All: 558.087+/-0.056 χ^2/NDF: 6006881.4/83

dit_asym_usl_atl1_dd_mean vs Slug, Sign Corrected



Right In: 48.341+/-455.967 χ^2/NDF: 11.3/16

Left Out: 225.663+/-259.829 χ^2/NDF:22.2/23

Right Out: 66.814+/-437.151 χ^2/NDF: 25.5/19

Left In: 89.078+/-261.717 χ^2/NDF:20.6/22

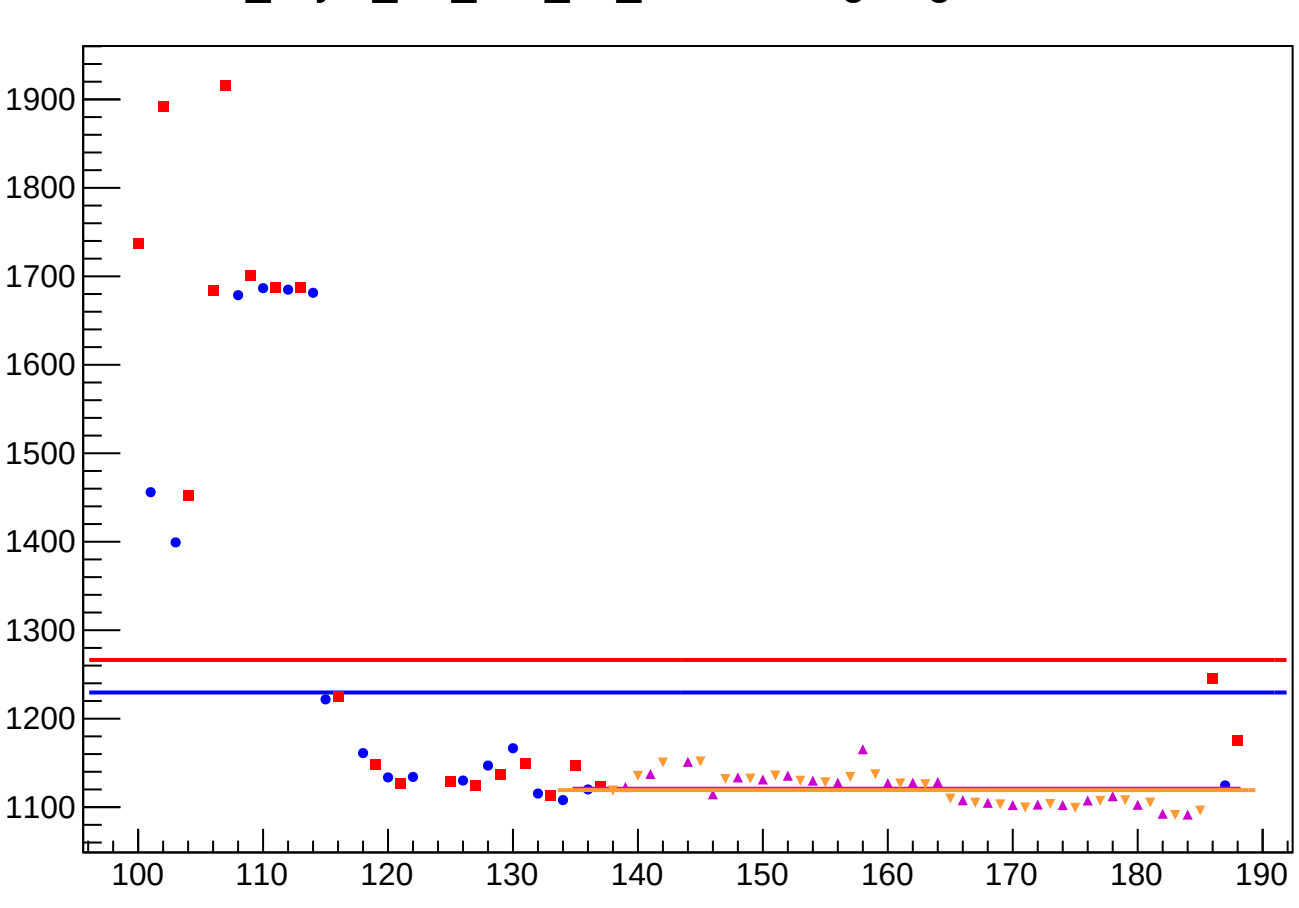
Left: 157.865+/-184.391 χ^2/NDF: 42.9/46

Right: 57.966+/-315.554 χ^2/NDF: 36.7/36

In: 78.983+/-226.984 χ^2/NDF:31.8/39

Out: 184.195+/-223.354 χ^2/NDF:47.8/43

All: 132.437+/-159.203 χ^2/NDF: 79.7/83



Right In: 1229.598+/-0.322 χ^2/NDF: 318873.4/16

Left Out: 1119.258+/-0.184 χ^2/NDF:8143.3/23

Right Out: 1266.372+/-0.309 χ^2/NDF: 557211.7/19

Left In: 1120.800+/-0.185 χ^2/NDF:9426.5/22

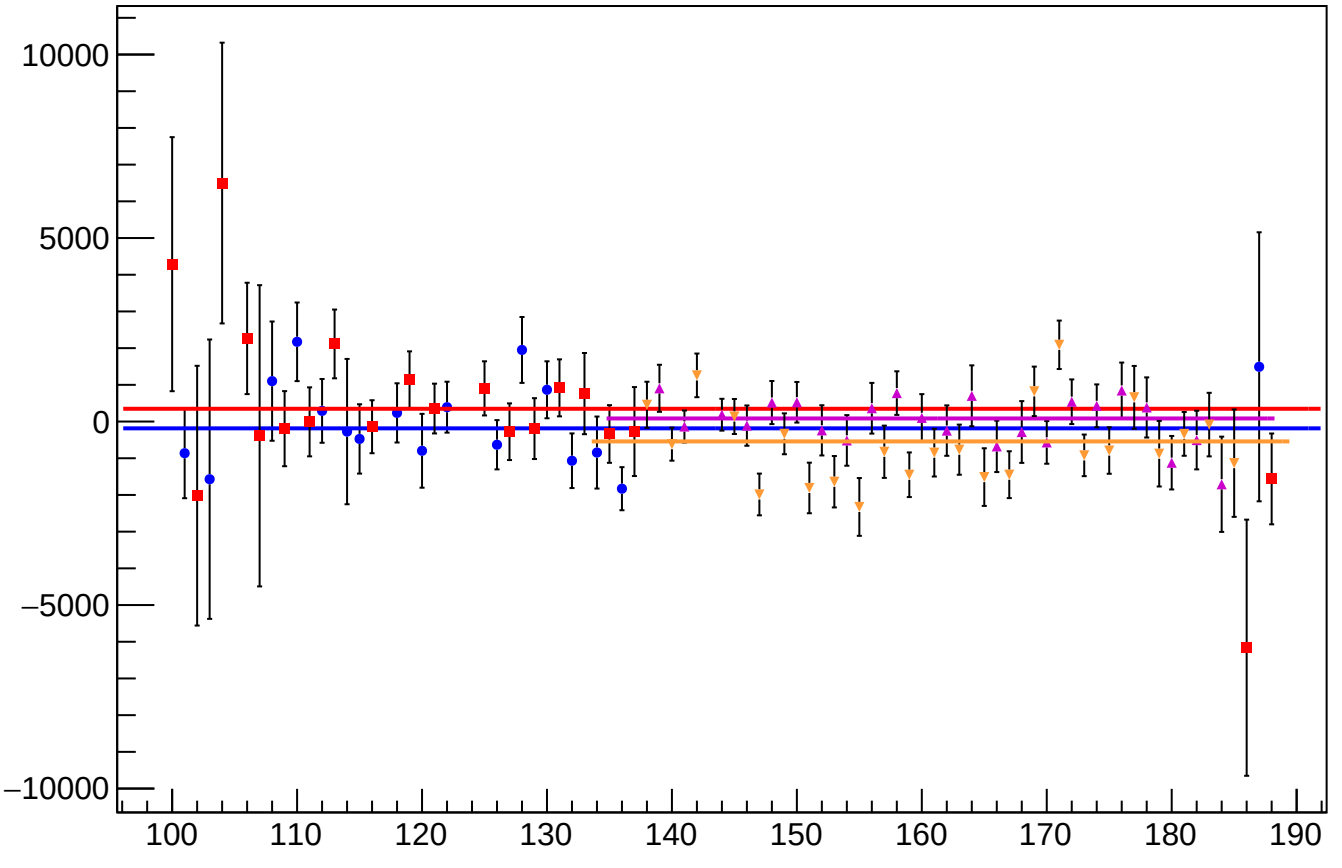
Left: 1120.024+/-0.130 χ^2/NDF: 17604.8/46

Right: 1248.759+/-0.223 χ^2/NDF: 882863.6/36

In: 1147.762+/-0.161 χ^2/NDF:413950.3/39

Out: 1157.662+/-0.158 χ^2/NDF:732729.7/43

All: 1152.792+/-0.113 χ^2/NDF: 1148613.2/83



Right In: -185.333+/-222.353 χ^2/NDF: 25.5/16

Left Out: -541.592+/-132.012 χ^2/NDF:60.9/23

Right Out: 348.051+/-222.440 χ^2/NDF: 20.7/19

Left In: 84.122+/-132.548 χ^2/NDF:16.4/22

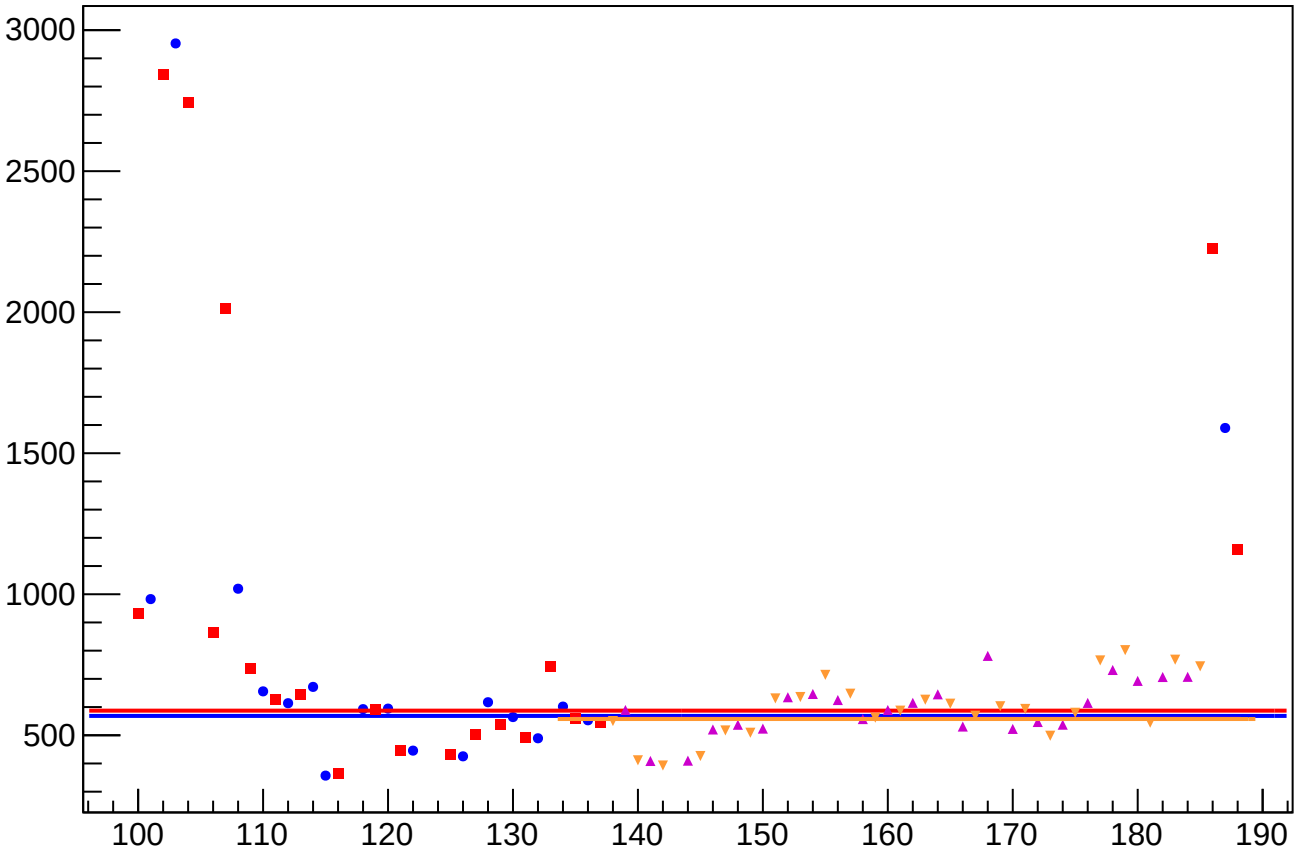
Left: -230.004+/-93.535 χ^2/NDF: 88.5/46

Right: 81.255+/-157.258 χ^2/NDF: 49.0/36

In: 13.475+/-113.854 χ^2/NDF:43.0/39

Out: -309.868+/-113.525 χ^2/NDF:93.4/43

All: -148.665+/-80.390 χ^2/NDF: 140.4/83



Right In: 568.642+/-0.157 χ^2/NDF: 1636111.2/16

Left Out: 557.592+/-0.093 χ^2/NDF:1193270.2/23

Right Out: 587.326+/-0.157 χ^2/NDF: 3166537.3/19

Left In: 558.393+/-0.094 χ^2/NDF:1027814.4/22

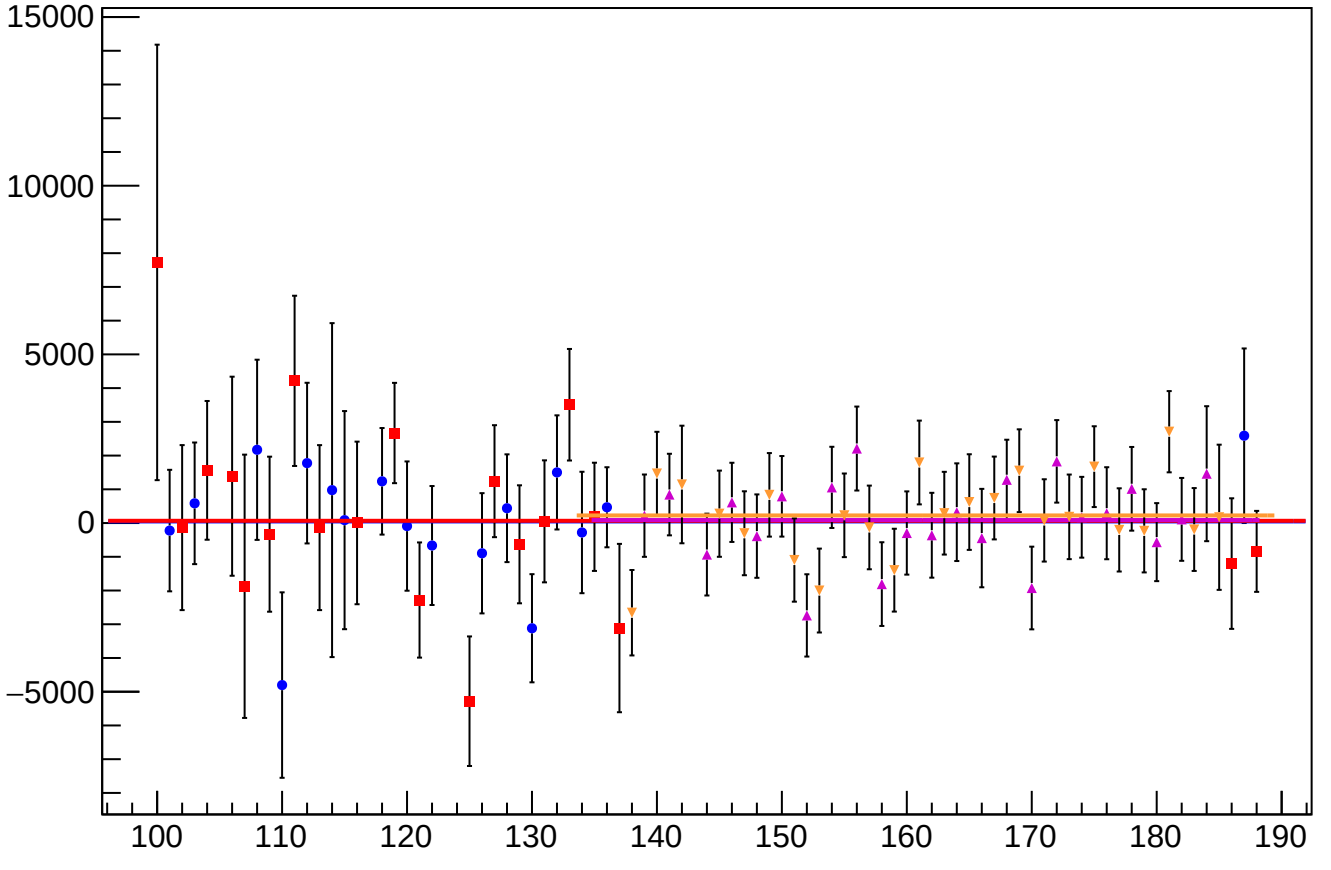
Left: 557.991+/-0.066 χ^2/NDF: 2221121.2/46

Right: 577.980+/-0.111 χ^2/NDF: 4809706.3/36

In: 561.080+/-0.081 χ^2/NDF:2667060.7/39

Out: 565.337+/-0.080 χ^2/NDF:4386235.8/43

All: 563.214+/-0.057 χ^2/NDF: 7054698.1/83



Right In: 48.342+/-455.967 χ^2/NDF: 11.3/16

Left Out: 225.661+/-259.829 χ^2/NDF:22.2/23

Right Out: 66.814+/-437.151 χ^2/NDF: 25.5/19

Left In: 89.079+/-261.717 χ^2/NDF:20.6/22

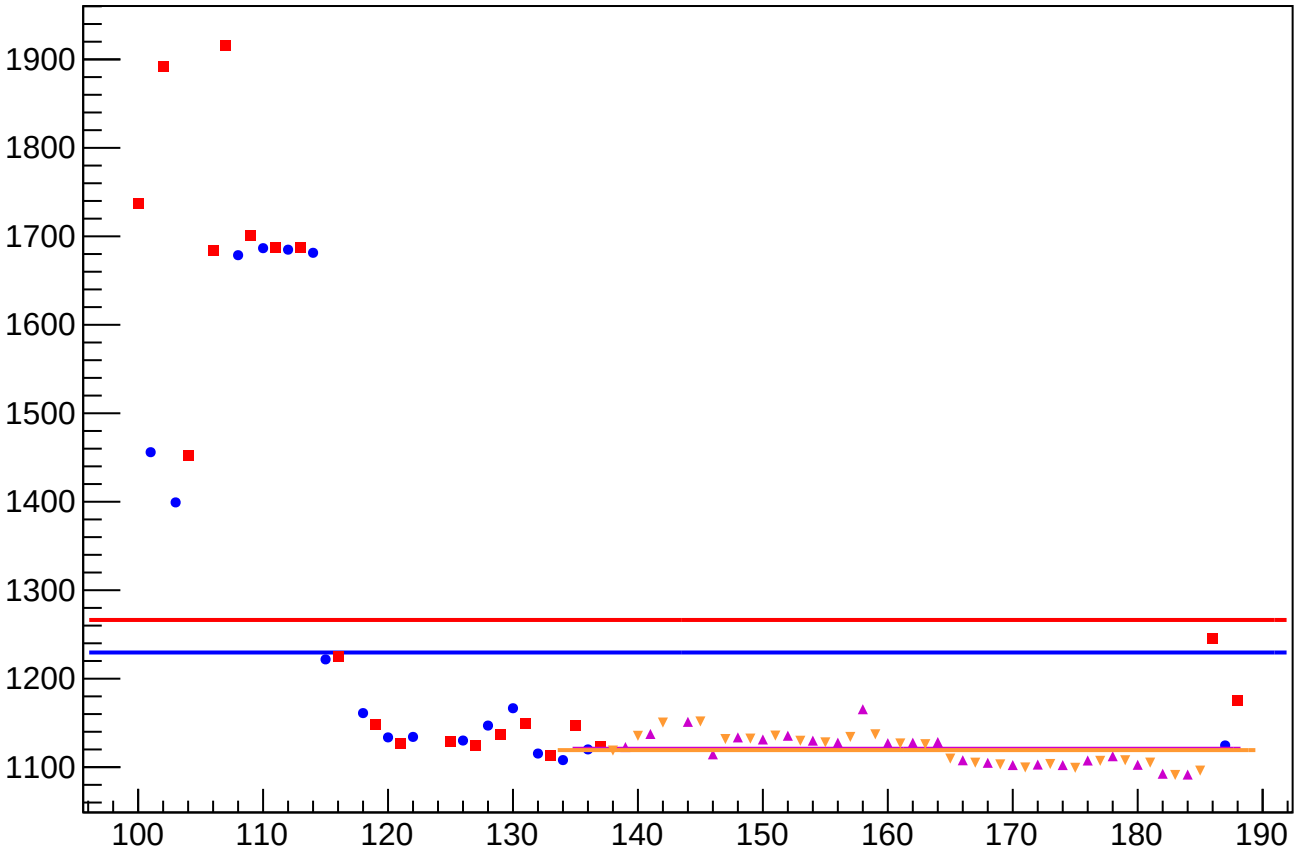
Left: 157.864+/-184.391 χ^2/NDF: 42.9/46

Right: 57.967+/-315.554 χ^2/NDF: 36.7/36

In: 78.984+/-226.984 χ^2/NDF:31.8/39

Out: 184.194+/-223.354 χ^2/NDF:47.8/43

All: 132.437+/-159.203 χ^2/NDF: 79.7/83



Right In: 1229.598+/-0.322 χ^2/NDF: 318873.1/16

Left Out: 1119.258+/-0.184 χ^2/NDF:8143.3/23

Right Out: 1266.372+/-0.309 χ^2/NDF: 557211.2/19

Left In: 1120.800+/-0.185 χ^2/NDF:9426.5/22

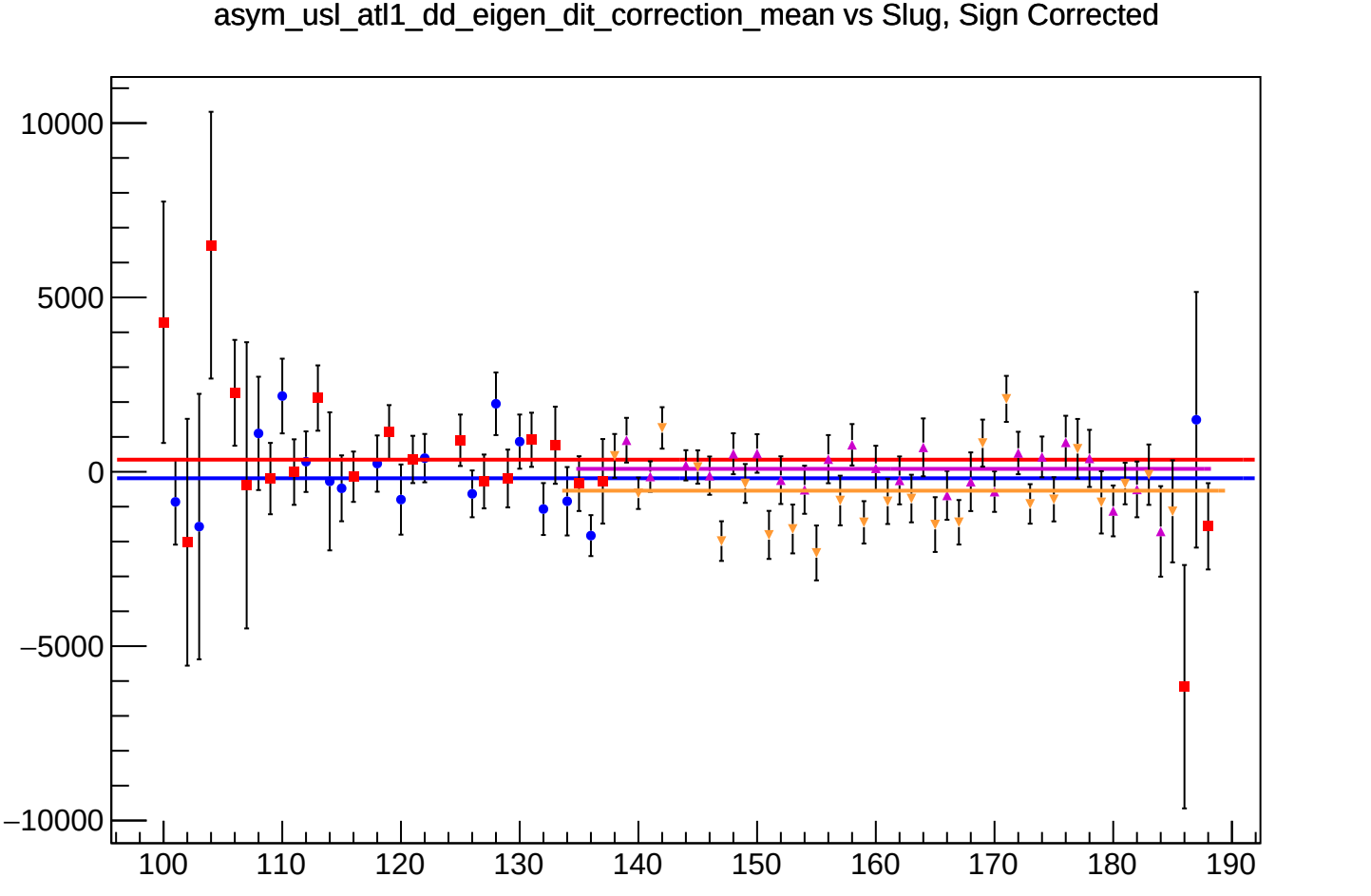
Left: 1120.024+/-0.130 χ^2/NDF: 17604.8/46

Right: 1248.759+/-0.223 χ^2/NDF: 882862.7/36

In: 1147.762+/-0.161 χ^2/NDF:413949.7/39

Out: 1157.662+/-0.158 χ^2/NDF:732729.0/43

All: 1152.792+/-0.113 χ^2/NDF: 1148612.0/83



Right In: -185.332+/-222.353 χ^2/NDF: 25.5/16

Left Out: -541.591+/-132.012 χ^2/NDF:60.9/23

Right Out: 348.051+/-222.440 χ^2/NDF: 20.7/19

Left In: 84.122+/-132.548 χ^2/NDF:16.4/22

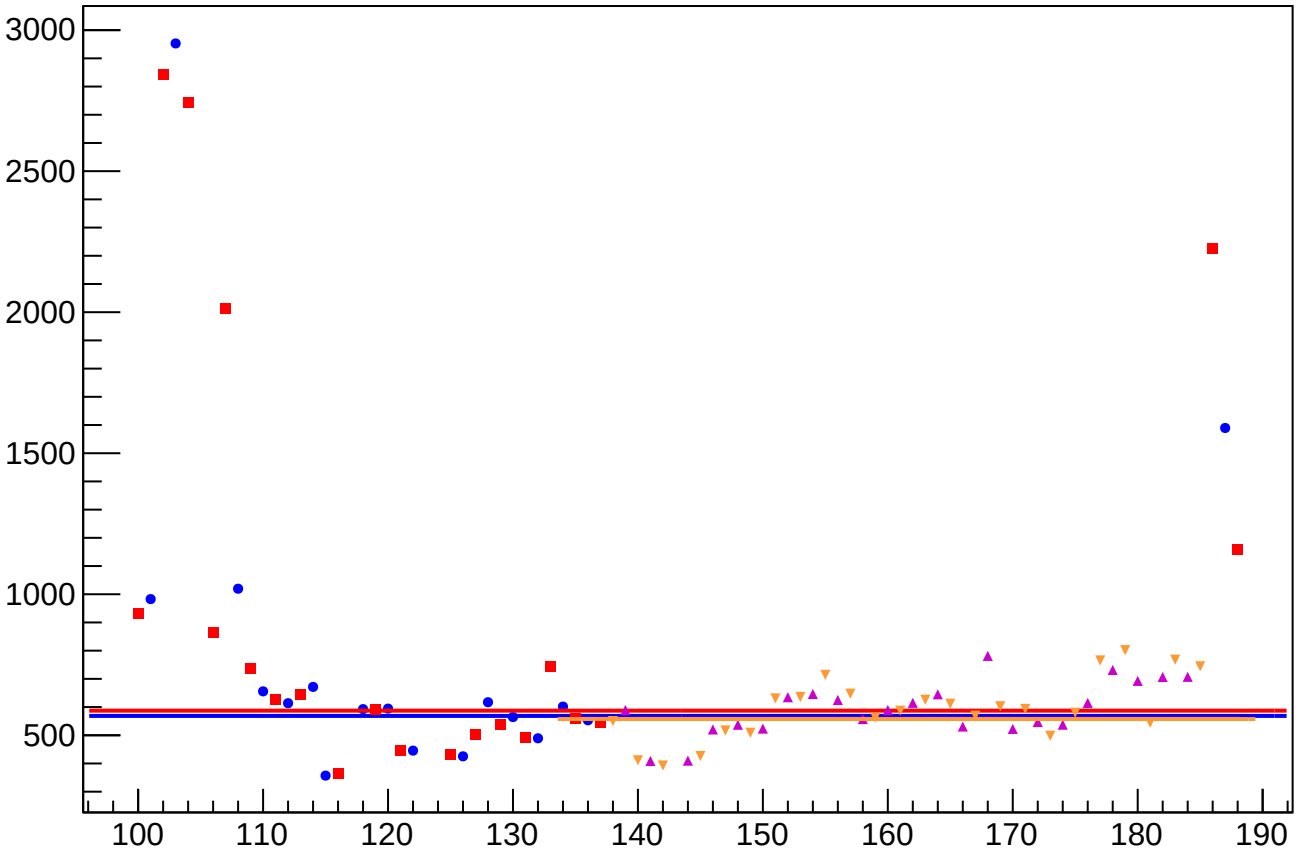
Left: -230.004+/-93.535 χ^2/NDF: 88.5/46

Right: 81.255+/-157.258 χ^2/NDF: 49.0/36

In: 13.475+/-113.854 χ^2/NDF:43.0/39

Out: -309.868+/-113.525 χ^2/NDF:93.4/43

All: -148.664+/-80.390 χ^2/NDF: 140.4/83



Right In: 568.642+/-0.157 χ^2/NDF: 1636108.3/16

Left Out: 557.591+/-0.093 χ^2/NDF:1193291.2/23

Right Out: 587.326+/-0.157 χ^2/NDF: 3166538.3/19

Left In: 558.392+/-0.094 χ^2/NDF:1027828.9/22

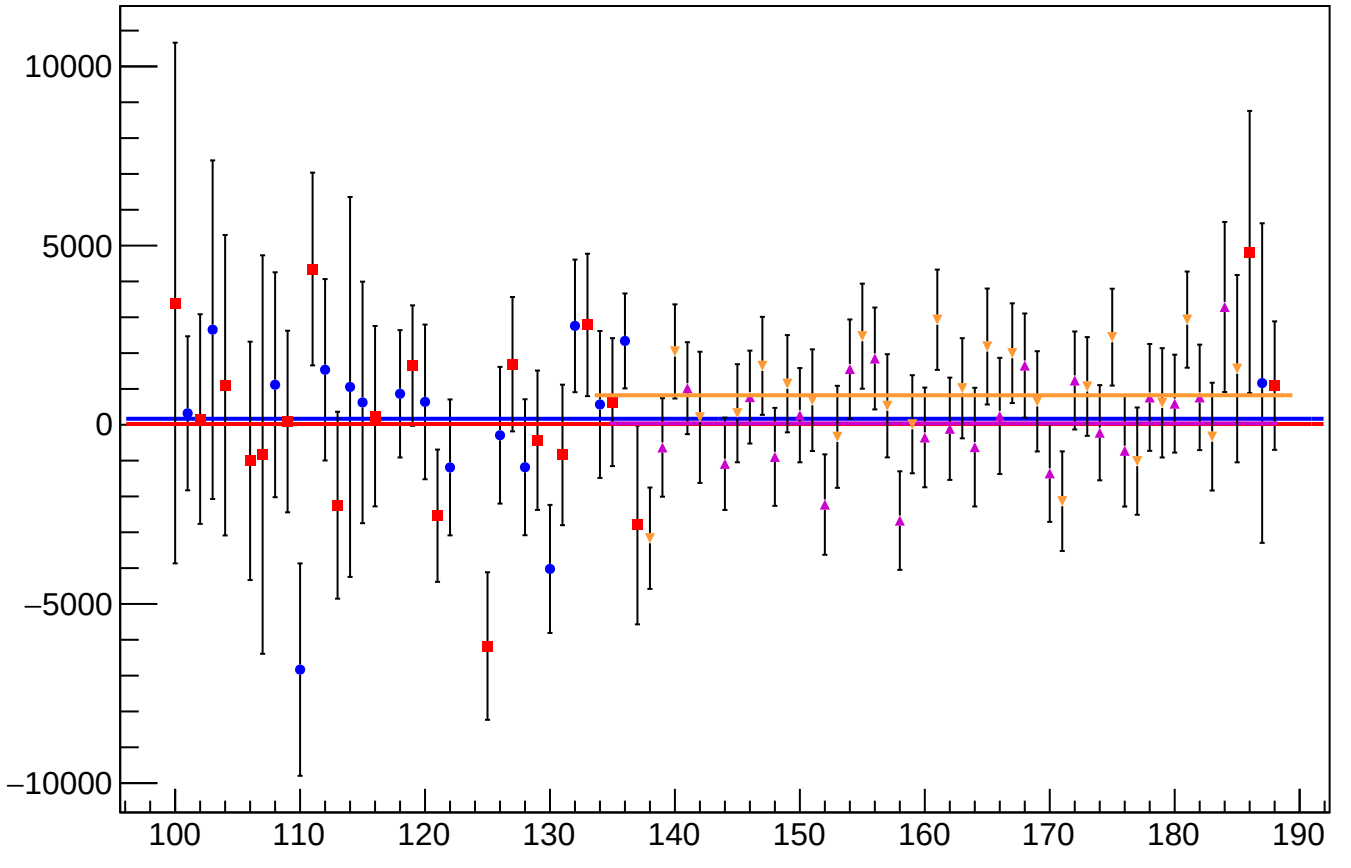
Left: 557.990+/-0.066 χ^2/NDF: 2221156.8/46

Right: 577.980+/-0.111 χ^2/NDF: 4809704.4/36

In: 561.080+/-0.081 χ^2/NDF:2667072.6/39

Out: 565.336+/-0.080 χ^2/NDF:4386258.9/43

All: 563.214+/-0.057 χ^2/NDF: 7054733.1/83



Right In: 167.560+/-528.348 χ^2/NDF: 17.8/16

Left Out: 823.319+/-294.835 χ^2/NDF:26.2/23

Right Out: 20.385+/-521.322 χ^2/NDF: 21.6/19

Left In: 39.696+/-296.006 χ^2/NDF:17.9/22

Left: 433.060+/-208.893 χ^2/NDF: 47.6/46

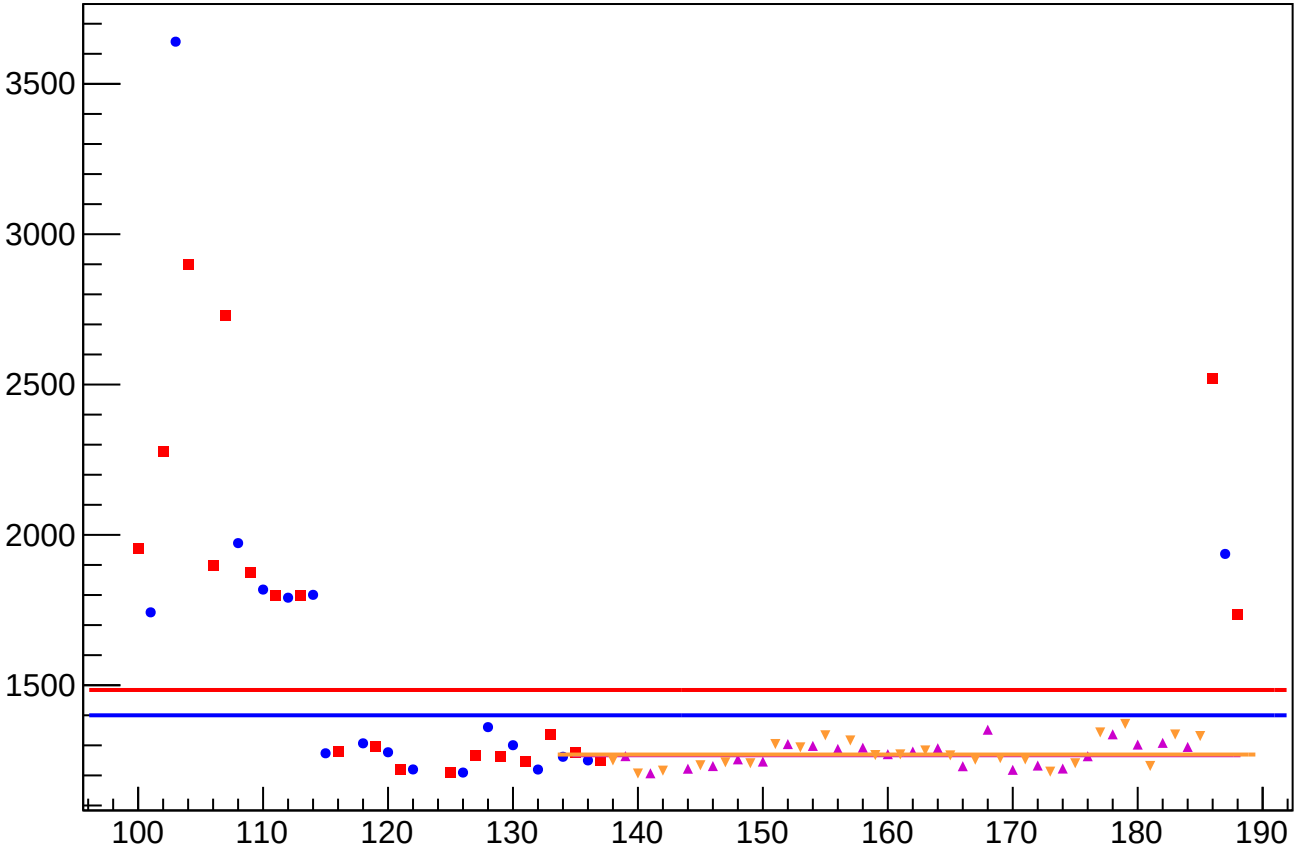
Right: 92.987+/-371.089 χ^2/NDF: 39.5/36

In: 70.242+/-258.240 χ^2/NDF:35.7/39

Out: 628.737+/-256.636 χ^2/NDF:49.6/43

All: 351.229+/-182.033 χ^2/NDF: 87.7/83

asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1399.942+/-0.374 χ^2/NDF: 808635.0/16

Left Out: 1269.441+/-0.208 χ^2/NDF:43040.3/23

Right Out: 1484.146+/-0.369 χ^2/NDF: 1045747.3/19

Left In: 1267.066+/-0.209 χ^2/NDF:34547.0/22

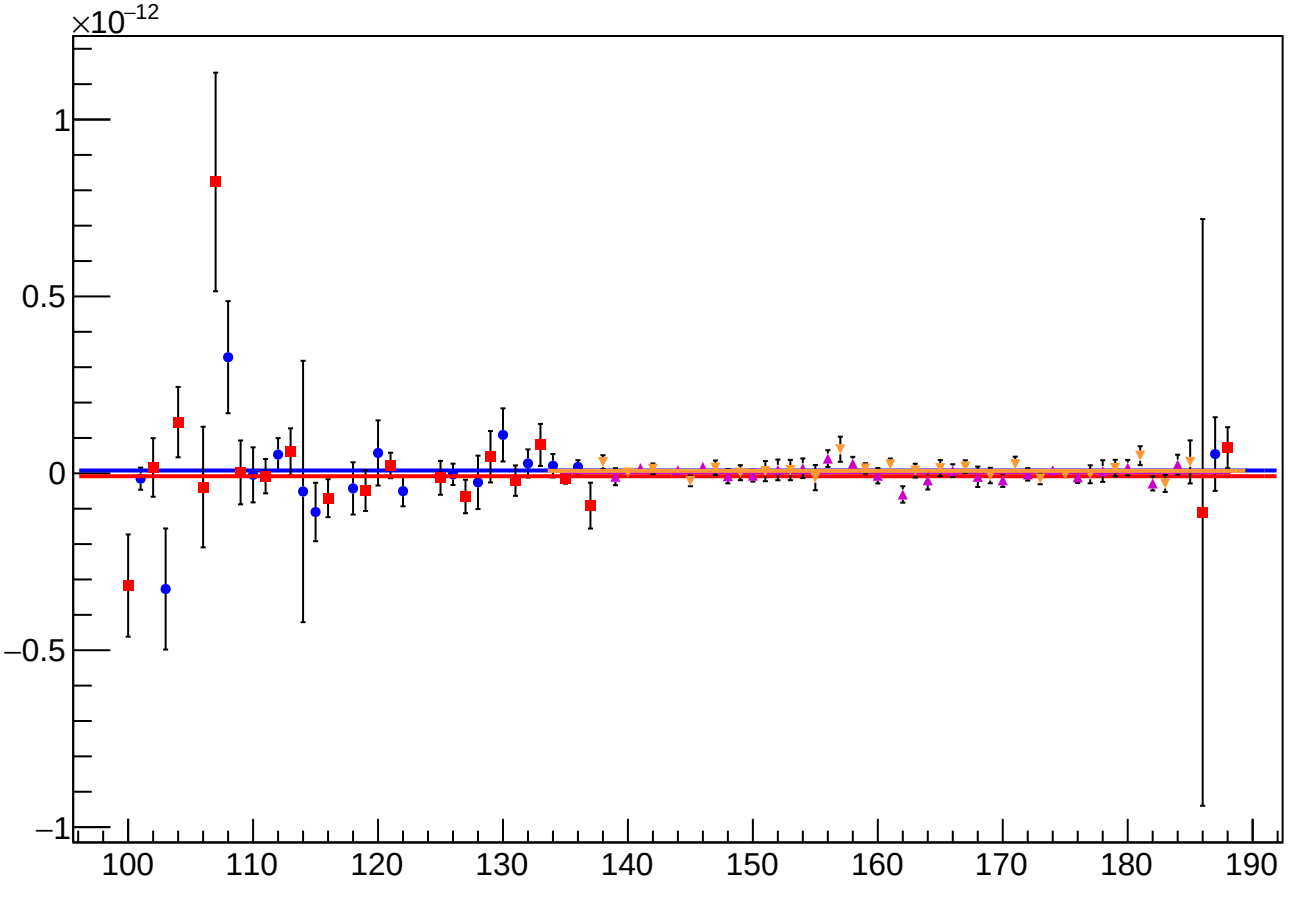
Left: 1268.258+/-0.148 χ^2/NDF: 77651.9/46

Right: 1442.608+/-0.262 χ^2/NDF: 1880121.9/36

In: 1298.809+/-0.183 χ^2/NDF:939461.1/39

Out: 1321.472+/-0.181 χ^2/NDF:1345816.4/43

All: 1310.211+/-0.129 χ^2/NDF: 2293027.0/83



Right In: 0.000+/-0.000 χ^2/NDF: 17.1/16

Left Out: 0.000+/-0.000 χ^2/NDF:19.8/23

Right Out: -0.000+/-0.000 χ^2/NDF: 26.1/19

Left In: 0.000+/-0.000 χ^2/NDF:23.0/22

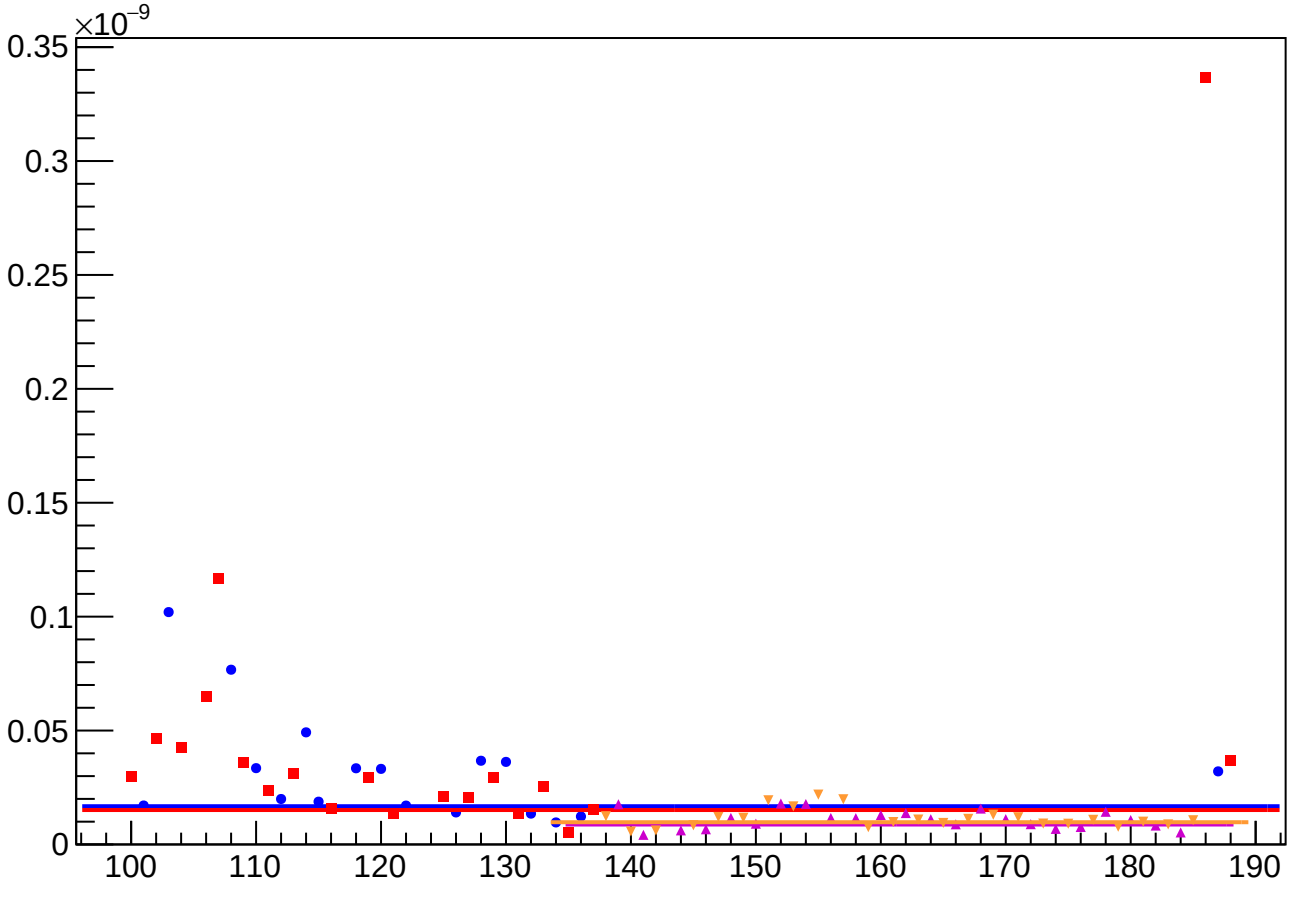
Left: 0.000+/-0.000 χ^2/NDF: 43.2/46

Right: -0.000+/-0.000 χ^2/NDF: 44.3/36

In: 0.000+/-0.000 χ^2/NDF:40.2/39

Out: 0.000+/-0.000 χ^2/NDF:47.7/43

All: 0.000+/-0.000 χ^2/NDF: 87.9/83



Right In: 0.000+/-0.000 χ^2/NDF: 1616803.0/16

Left Out: 0.000+/-0.000 χ^2/NDF:1373738.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 2847687.8/19

Left In: 0.000+/-0.000 χ^2/NDF:1928867.4/22

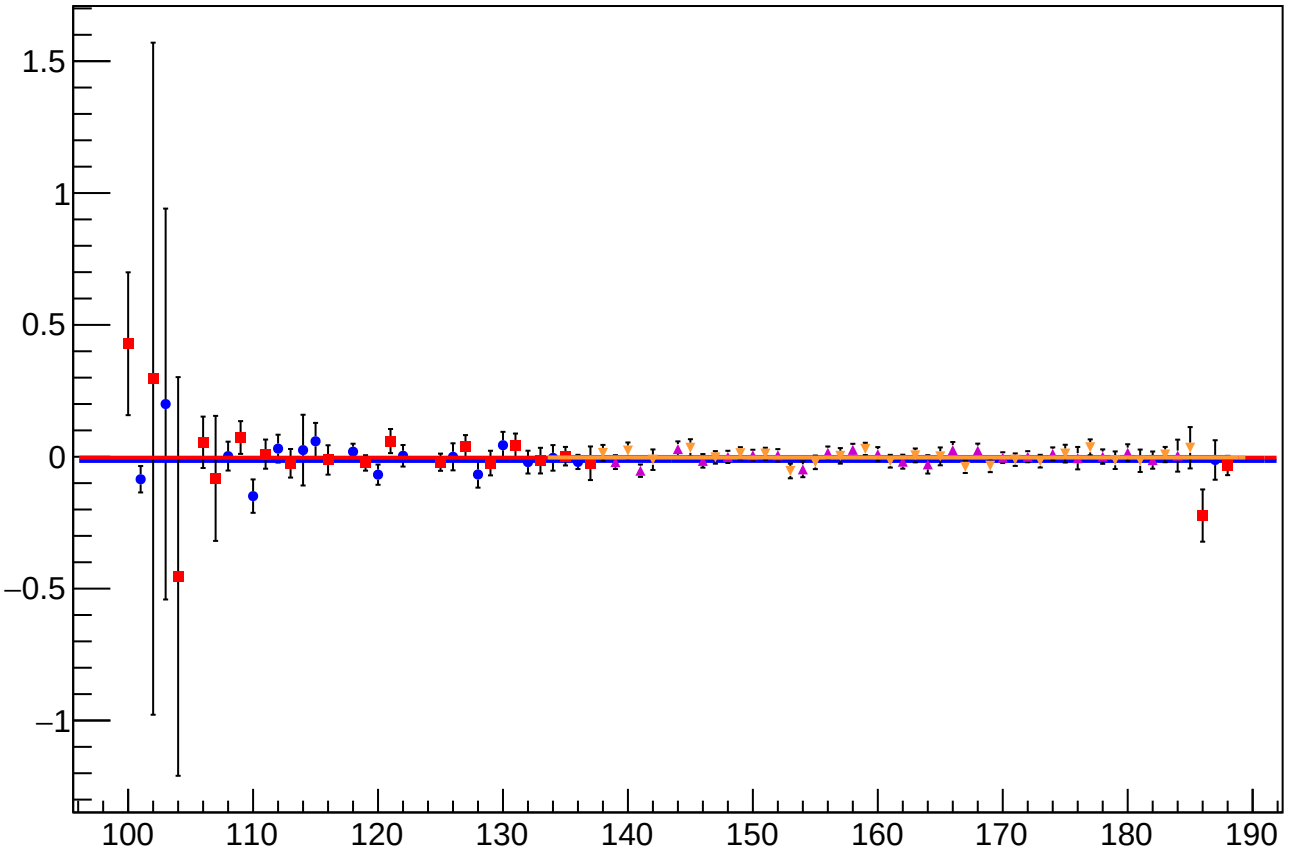
Left: 0.000+/-0.000 χ^2/NDF: 3372071.7/46

Right: 0.000+/-0.000 χ^2/NDF: 4489205.1/36

In: 0.000+/-0.000 χ^2/NDF:4533209.6/39

Out: 0.000+/-0.000 χ^2/NDF:4681830.5/43

All: 0.000+/-0.000 χ^2/NDF: 9269386.6/83



Right In: -0.016+/-0.011 χ^2/NDF: 14.6/16

Left Out: -0.003+/-0.006 χ^2/NDF:16.3/23

Right Out: -0.003+/-0.011 χ^2/NDF: 15.7/19

Left In: -0.001+/-0.005 χ^2/NDF:14.9/22

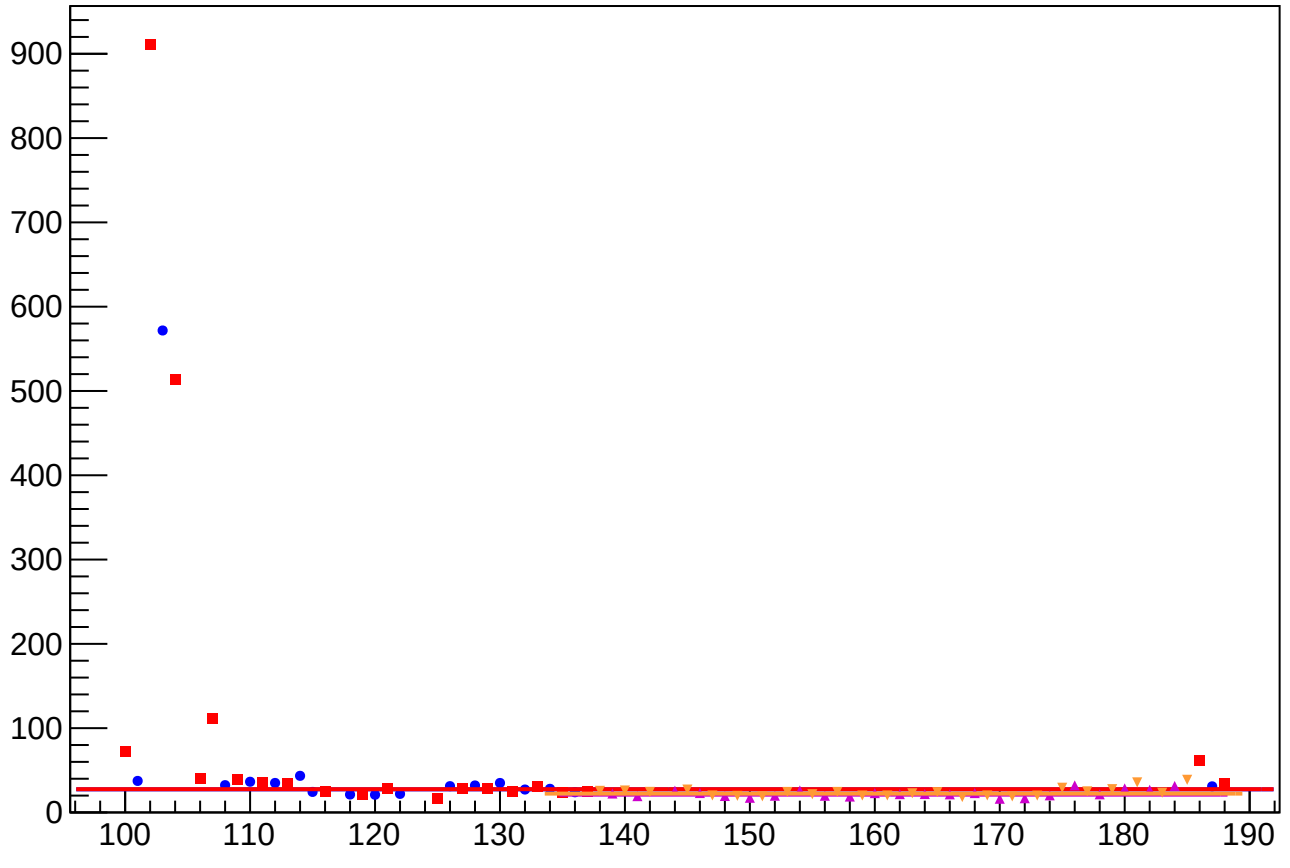
Left: -0.002+/-0.004 χ^2/NDF: 31.3/46

Right: -0.010+/-0.008 χ^2/NDF: 30.9/36

In: -0.004+/-0.005 χ^2/NDF:30.9/39

Out: -0.003+/-0.005 χ^2/NDF:32.1/43

All: -0.003+/-0.004 χ^2/NDF: 63.0/83



Right In: 27.390+/-0.008 χ^2/NDF: 1573005.2/16

Left Out: 22.355+/-0.004 χ^2/NDF:816073.4/23

Right Out: 27.600+/-0.008 χ^2/NDF: 2932120.2/19

Left In: 21.099+/-0.004 χ^2/NDF:819255.8/22

Left: 21.703+/-0.003 χ^2/NDF: 1686083.7/46

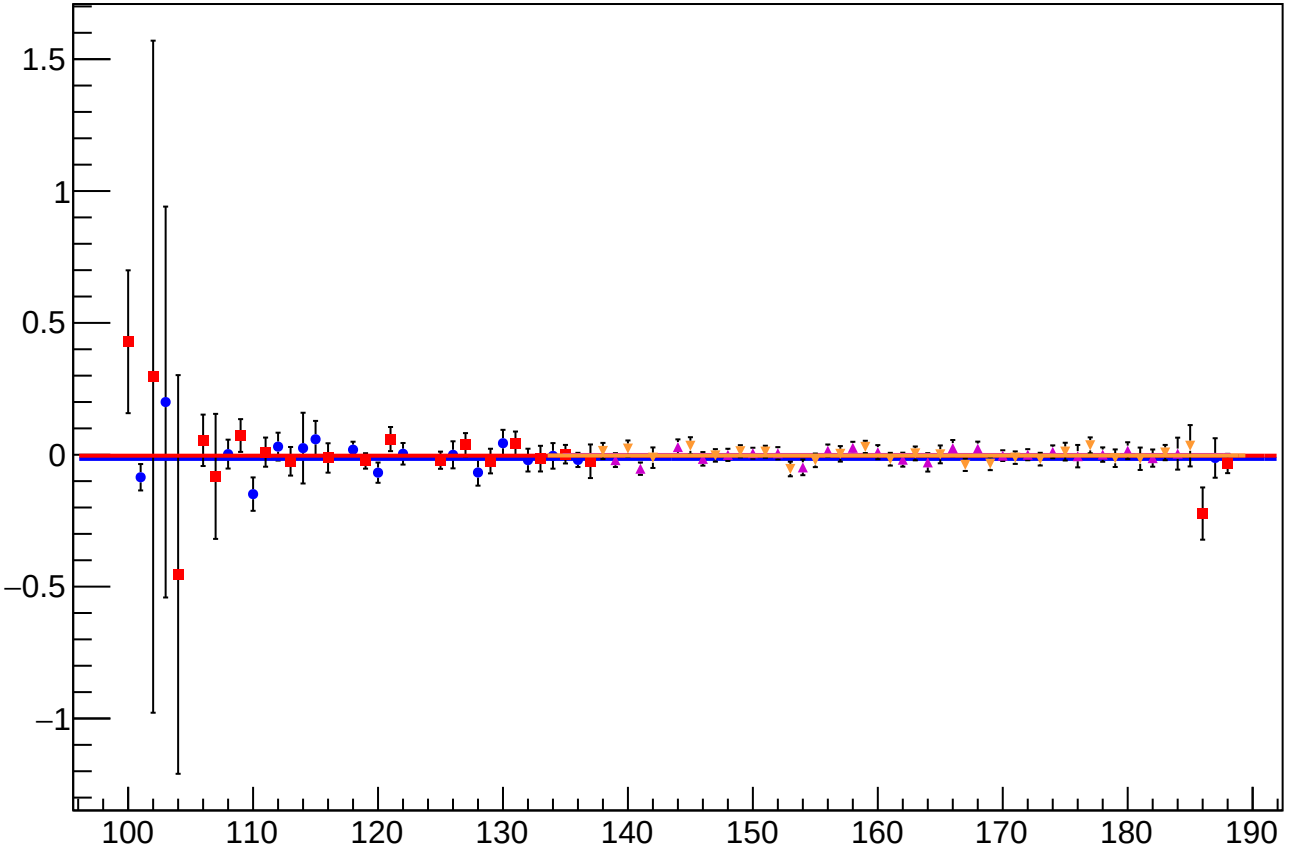
Right: 27.496+/-0.006 χ^2/NDF: 4505465.2/36

In: 22.271+/-0.003 χ^2/NDF:2885783.8/39

Out: 23.408+/-0.004 χ^2/NDF:4089877.6/43

All: 22.822+/-0.003 χ^2/NDF: 7027197.4/83

asym_usl_atl1_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.016+/-0.011 χ^2/NDF: 14.6/16

Left Out: -0.003+/-0.006 χ^2/NDF:16.3/23

Right Out: -0.003+/-0.011 χ^2/NDF: 15.7/19

Left In: -0.001+/-0.005 χ^2/NDF:14.9/22

Left: -0.002+/-0.004 χ^2/NDF: 31.3/46

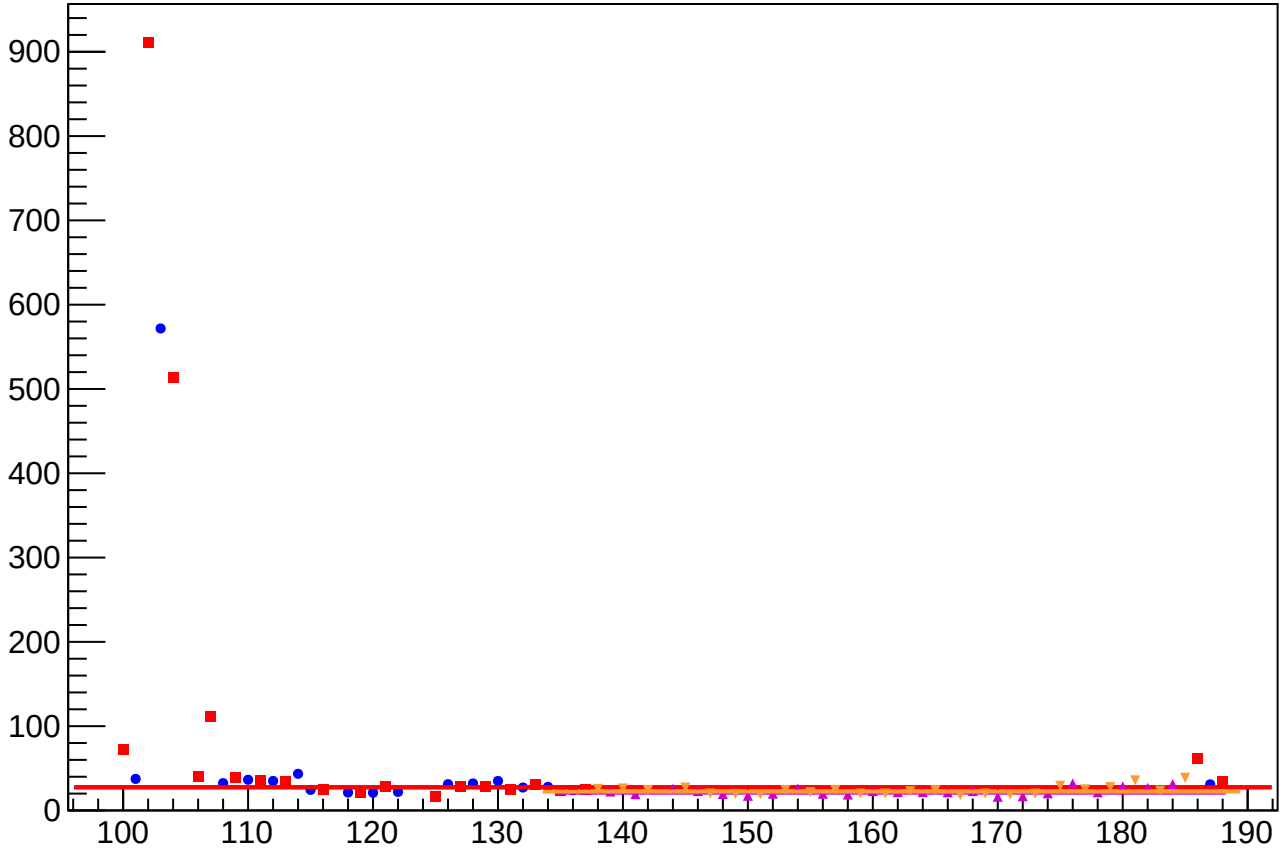
Right: -0.010+/-0.008 χ^2/NDF: 30.9/36

In: -0.004+/-0.005 χ^2/NDF:30.9/39

Out: -0.003+/-0.005 χ^2/NDF:32.1/43

All: -0.003+/-0.004 χ^2/NDF: 63.0/83

asym_usl_atl1_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.390+/-0.008 χ^2/NDF: 1573005.2/16

Left Out: 22.355+/-0.004 χ^2/NDF:816073.4/23

Right Out: 27.600+/-0.008 χ^2/NDF: 2932120.2/19

Left In: 21.099+/-0.004 χ^2/NDF:819255.8/22

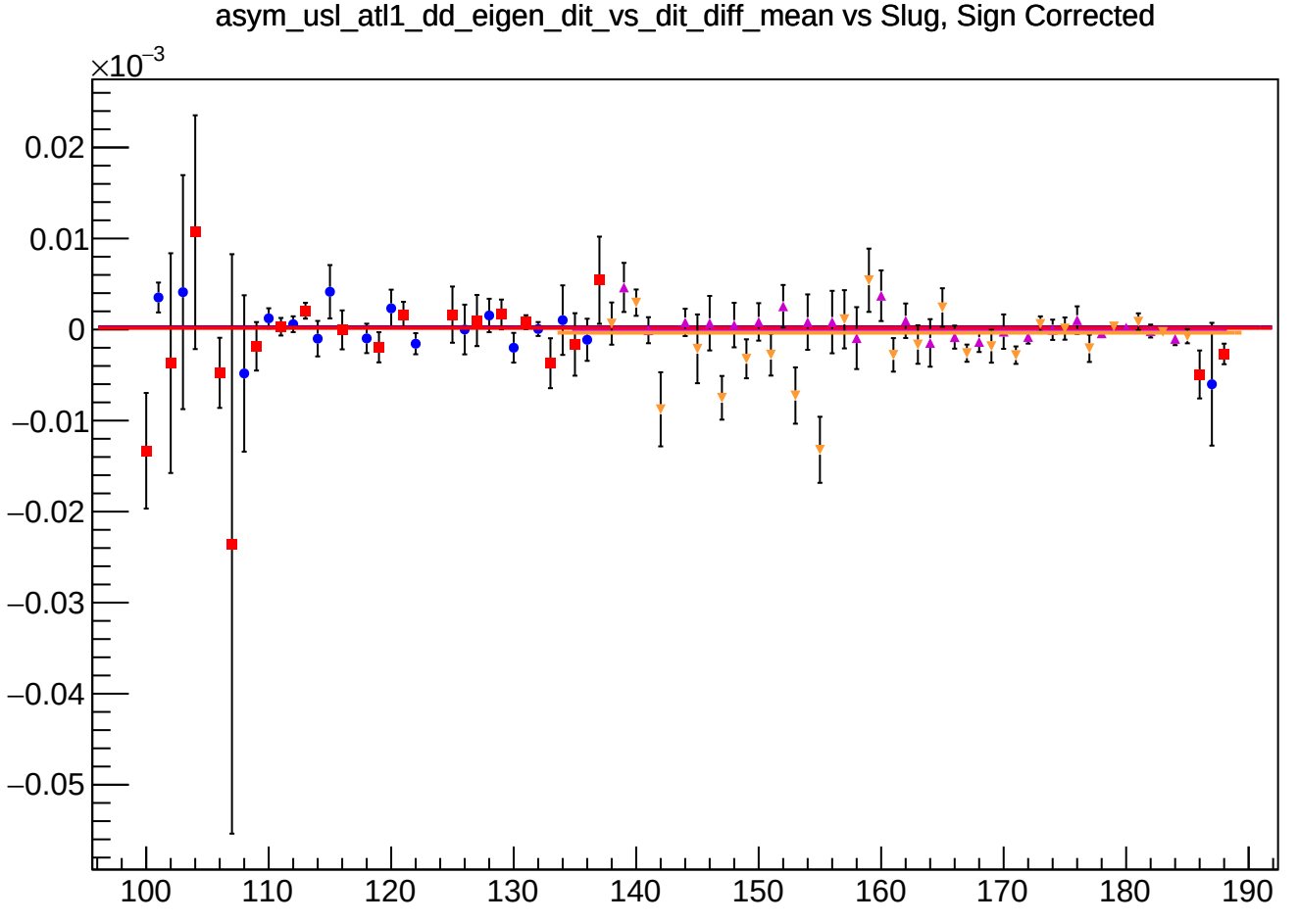
Left: 21.703+/-0.003 χ^2/NDF: 1686083.7/46

Right: 27.496+/-0.006 χ^2/NDF: 4505465.2/36

In: 22.271+/-0.003 χ^2/NDF:2885783.8/39

Out: 23.408+/-0.004 χ^2/NDF:4089877.6/43

All: 22.822+/-0.003 χ^2/NDF: 7027197.4/83



Right In: 0.000+/-0.000 χ^2/NDF: 15.3/16

Left Out: -0.000+/-0.000 χ^2/NDF:68.1/23

Right Out: 0.000+/-0.000 χ^2/NDF: 30.9/19

Left In: -0.000+/-0.000 χ^2/NDF:14.2/22

Left: -0.000+/-0.000 χ^2/NDF: 82.8/46

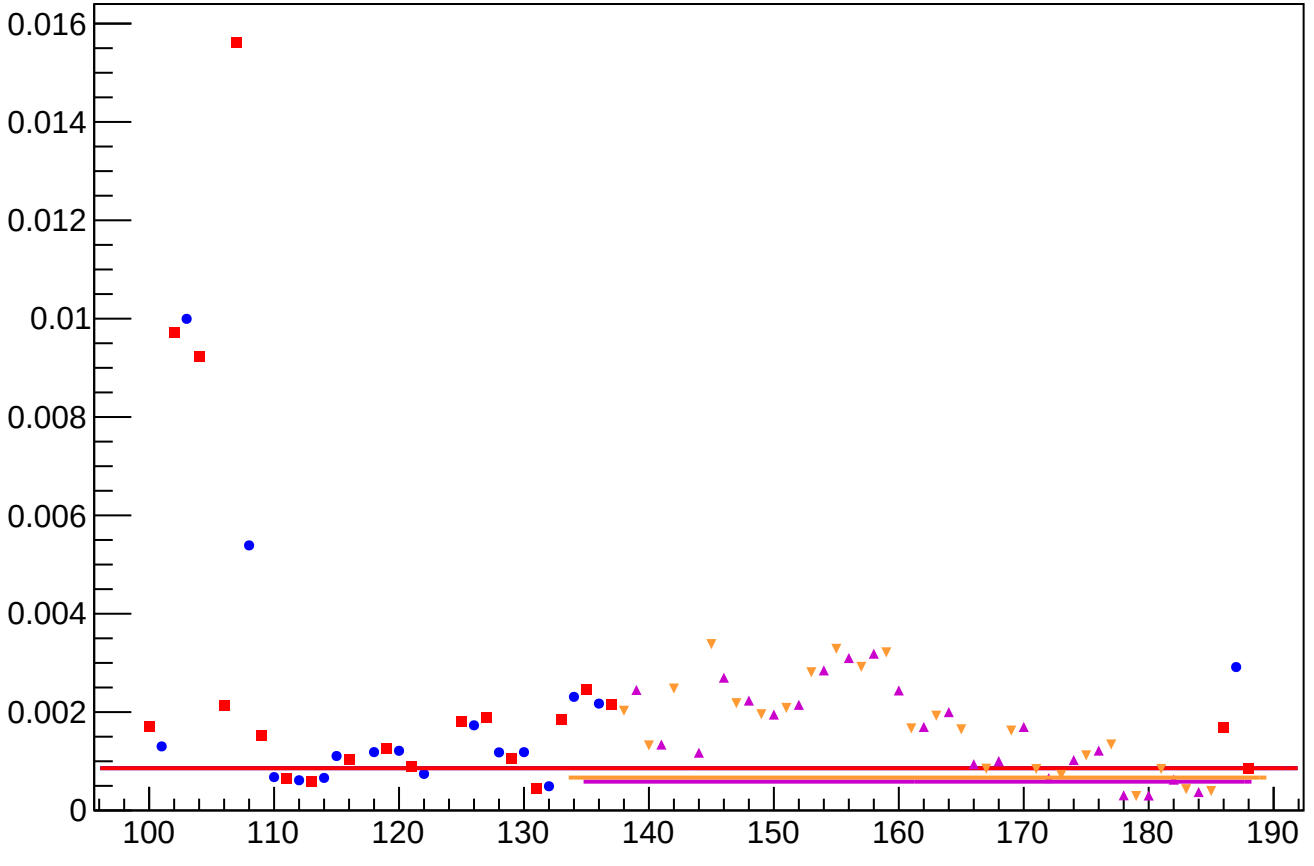
Right: 0.000+/-0.000 χ^2/NDF: 46.2/36

In: -0.000+/-0.000 χ^2/NDF:30.4/39

Out: -0.000+/-0.000 χ^2/NDF:100.5/43

All: -0.000+/-0.000 χ^2/NDF: 131.3/83

asym_usl_atl1_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 4050261.6/16

Left Out: 0.001+/-0.000 χ^2/NDF:15375915.0/23

Right Out: 0.001+/-0.000 χ^2/NDF: 5243978.2/19

Left In: 0.001+/-0.000 χ^2/NDF:15658683.6/22

Left: 0.001+/-0.000 χ^2/NDF: 31210781.6/46

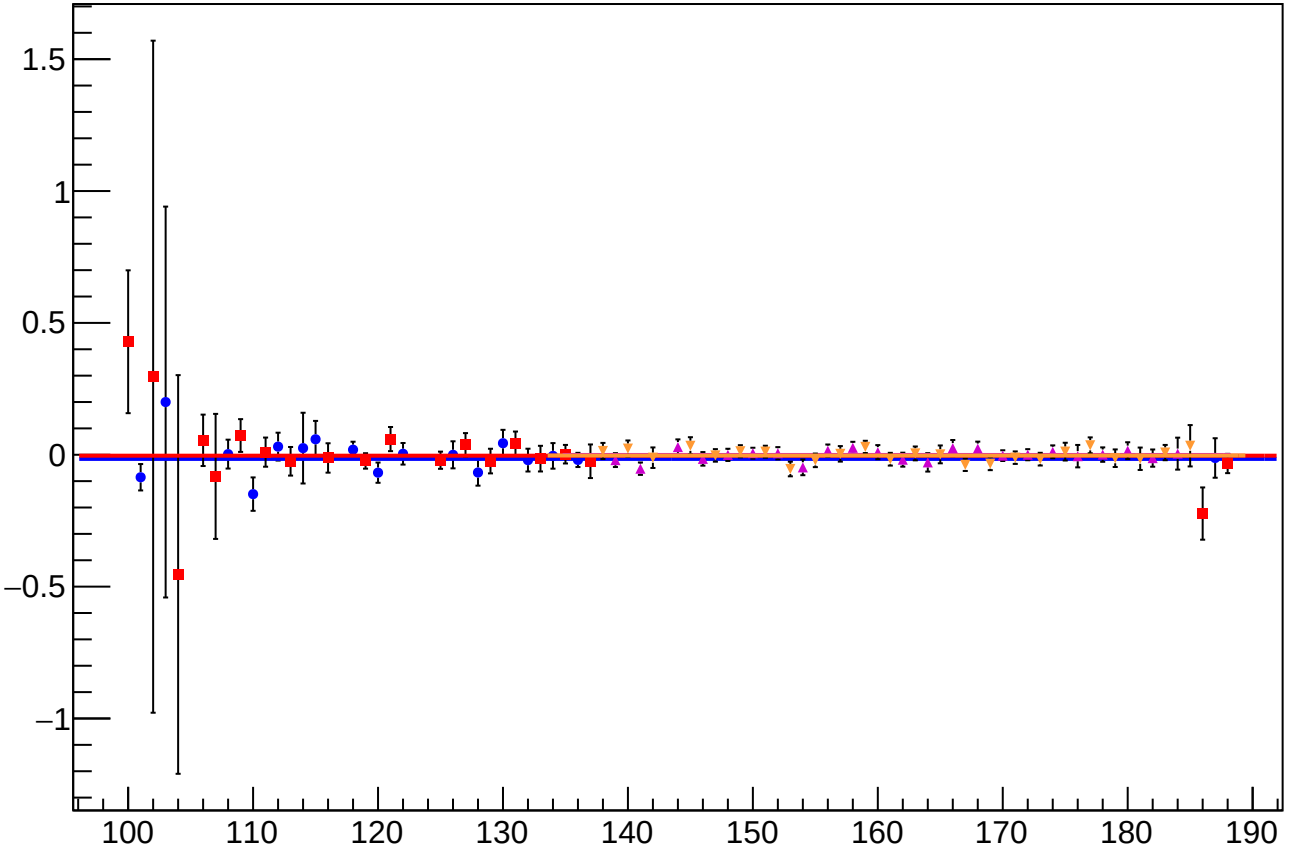
Right: 0.001+/-0.000 χ^2/NDF: 9294242.1/36

In: 0.001+/-0.000 χ^2/NDF:20560289.7/39

Out: 0.001+/-0.000 χ^2/NDF:21022356.3/43

All: 0.001+/-0.000 χ^2/NDF: 41756099.5/83

asym_usl_atl1_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.016+/-0.011 χ^2/NDF: 14.6/16

Left Out: -0.003+/-0.006 χ^2/NDF:16.3/23

Right Out: -0.003+/-0.011 χ^2/NDF: 15.7/19

Left In: -0.001+/-0.005 χ^2/NDF:14.9/22

Left: -0.002+/-0.004 χ^2/NDF: 31.3/46

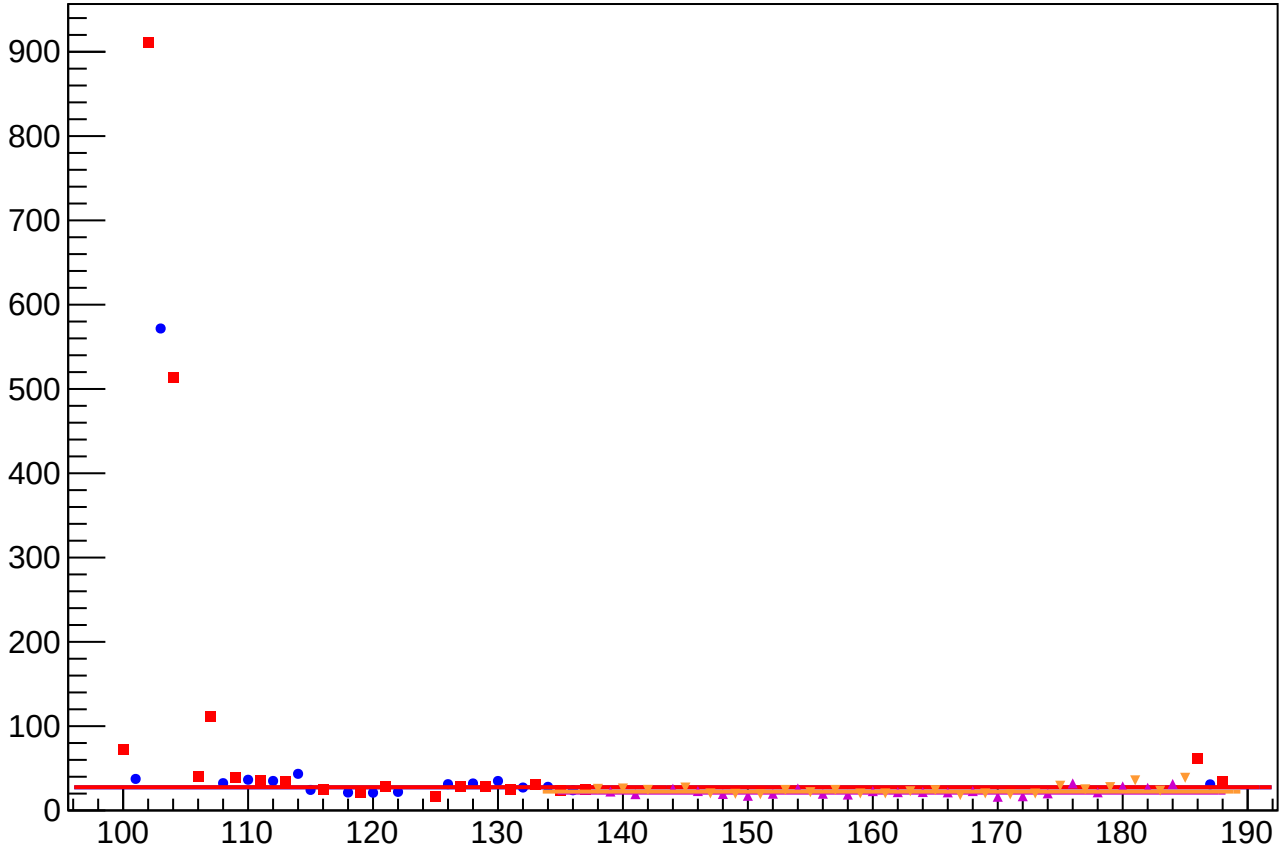
Right: -0.010+/-0.008 χ^2/NDF: 30.9/36

In: -0.004+/-0.005 χ^2/NDF:30.9/39

Out: -0.003+/-0.005 χ^2/NDF:32.1/43

All: -0.003+/-0.004 χ^2/NDF: 63.0/83

asym_usl_atl1_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.390+/-0.008 χ^2/NDF: 1572997.6/16

Left Out: 22.355+/-0.004 χ^2/NDF:816044.6/23

Right Out: 27.600+/-0.008 χ^2/NDF: 2932119.1/19

Left In: 21.099+/-0.004 χ^2/NDF:819268.9/22

Left: 21.703+/-0.003 χ^2/NDF: 1686066.1/46

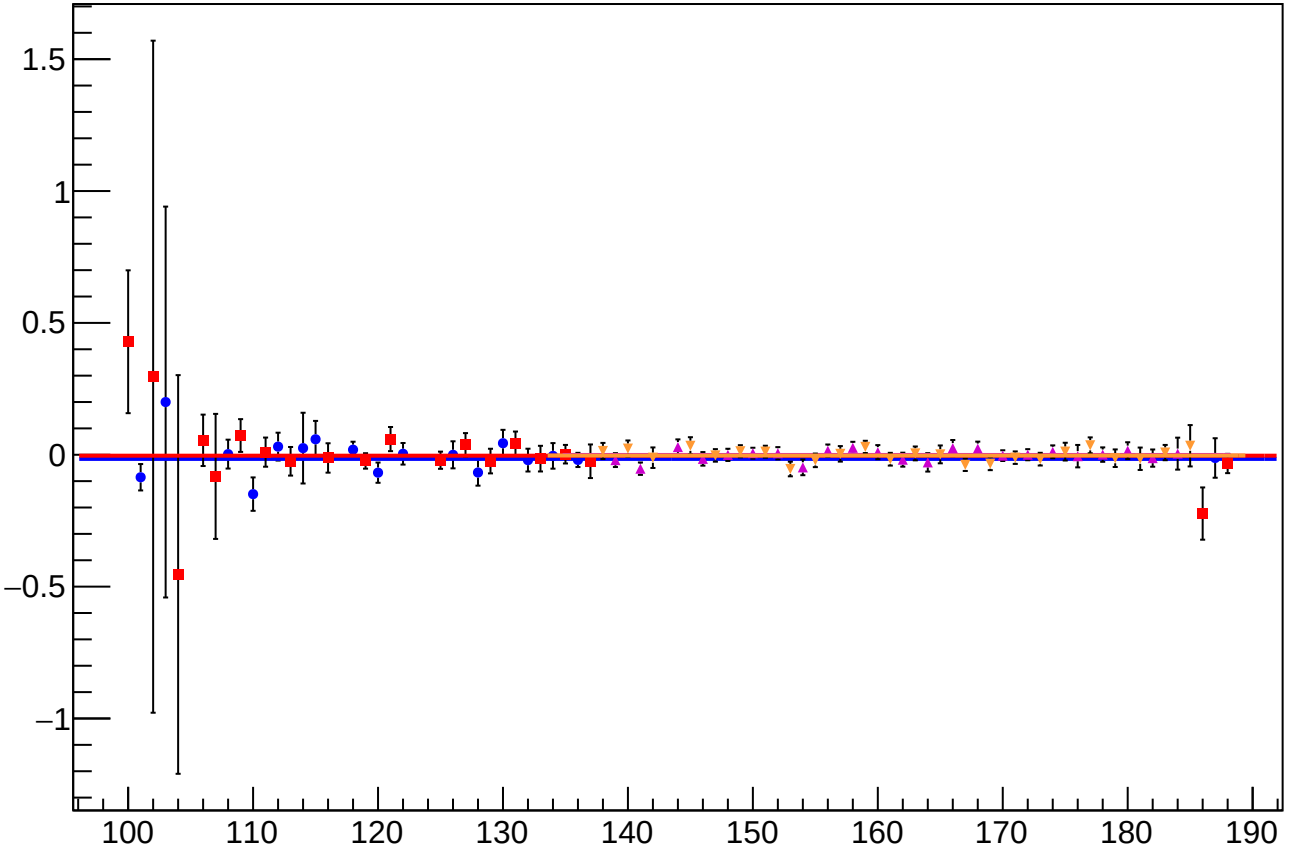
Right: 27.496+/-0.006 χ^2/NDF: 4505456.3/36

In: 22.271+/-0.003 χ^2/NDF:2885787.9/39

Out: 23.408+/-0.004 χ^2/NDF:4089846.2/43

All: 22.822+/-0.003 χ^2/NDF: 7027168.0/83

asym_usl_atl1_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.016+/-0.011 χ^2/NDF: 14.6/16

Left Out: -0.003+/-0.006 χ^2/NDF:16.3/23

Right Out: -0.003+/-0.011 χ^2/NDF: 15.7/19

Left In: -0.001+/-0.005 χ^2/NDF:14.9/22

Left: -0.002+/-0.004 χ^2/NDF: 31.3/46

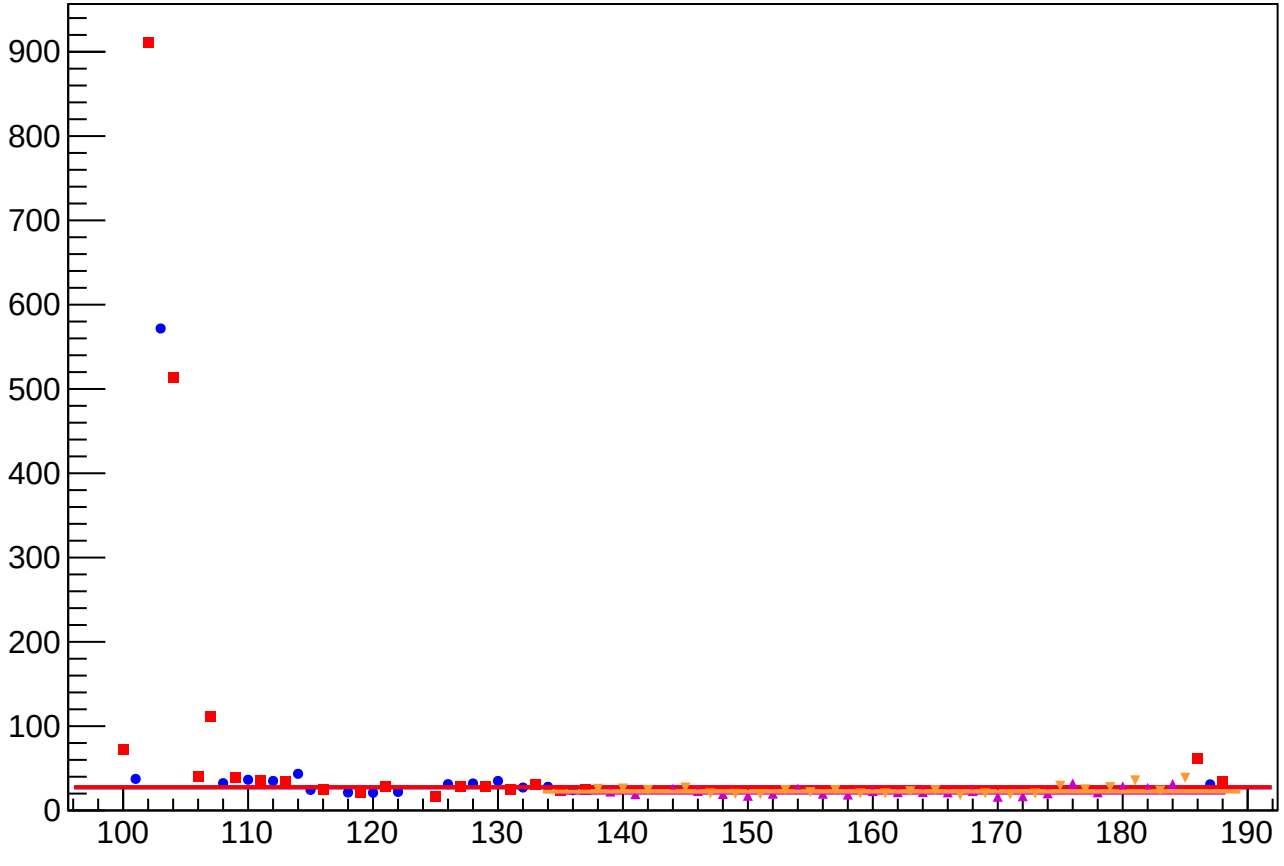
Right: -0.010+/-0.008 χ^2/NDF: 30.9/36

In: -0.004+/-0.005 χ^2/NDF:30.9/39

Out: -0.003+/-0.005 χ^2/NDF:32.1/43

All: -0.003+/-0.004 χ^2/NDF: 63.0/83

asym_usl_atl1_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.390+/-0.008 χ^2/NDF: 1572997.6/16

Left Out: 22.355+/-0.004 χ^2/NDF:816044.6/23

Right Out: 27.600+/-0.008 χ^2/NDF: 2932119.1/19

Left In: 21.099+/-0.004 χ^2/NDF:819268.9/22

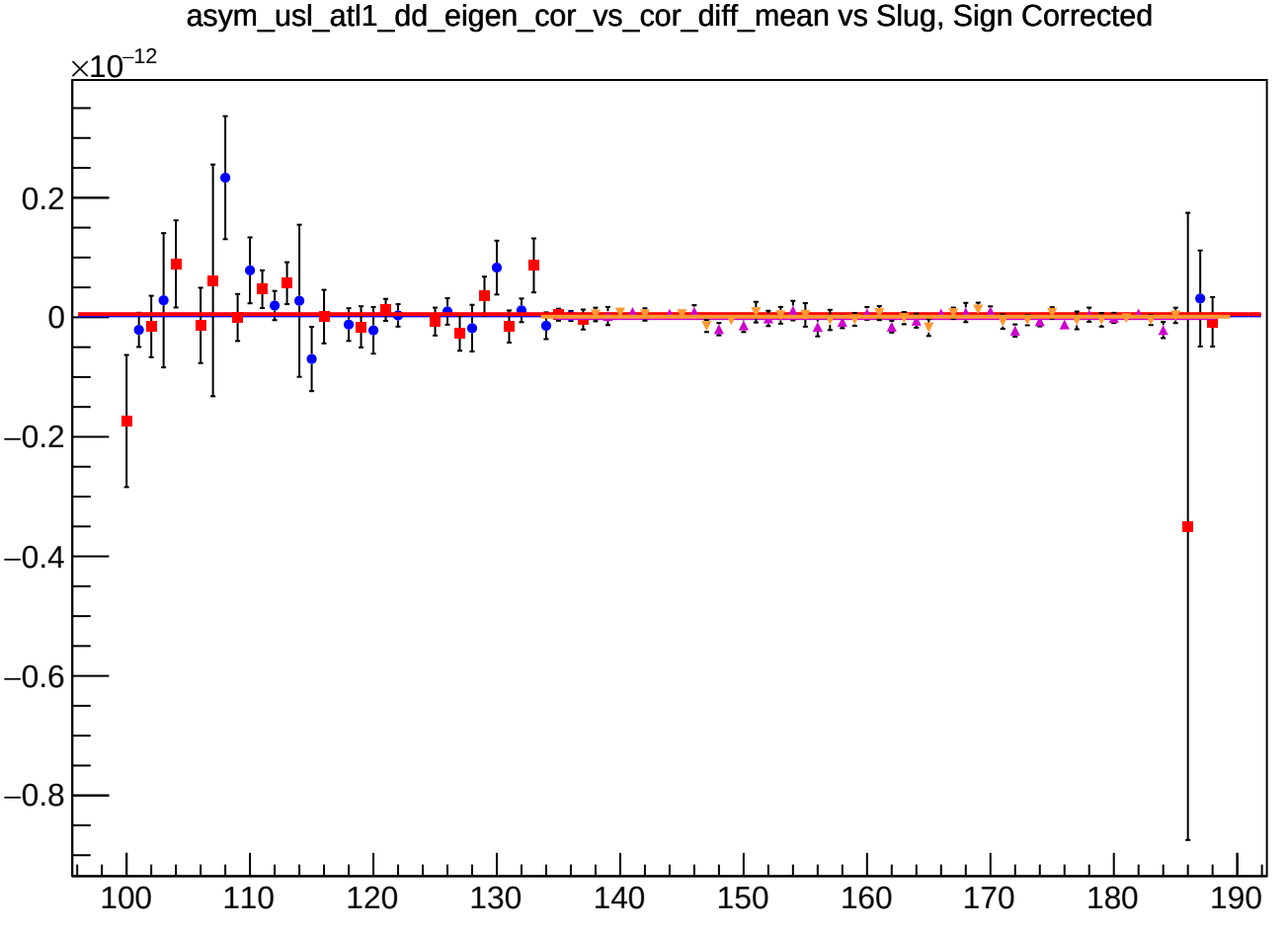
Left: 21.703+/-0.003 χ^2/NDF: 1686066.1/46

Right: 27.496+/-0.006 χ^2/NDF: 4505456.3/36

In: 22.271+/-0.003 χ^2/NDF:2885787.9/39

Out: 23.408+/-0.004 χ^2/NDF:4089846.2/43

All: 22.822+/-0.003 χ^2/NDF: 7027168.0/83



Right In: 0.000+/-0.000 χ^2/NDF: 15.2/16

Left Out: 0.000+/-0.000 χ^2/NDF:11.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 15.8/19

Left In: -0.000+/-0.000 χ^2/NDF:25.8/22

Left: -0.000+/-0.000 χ^2/NDF: 38.0/46

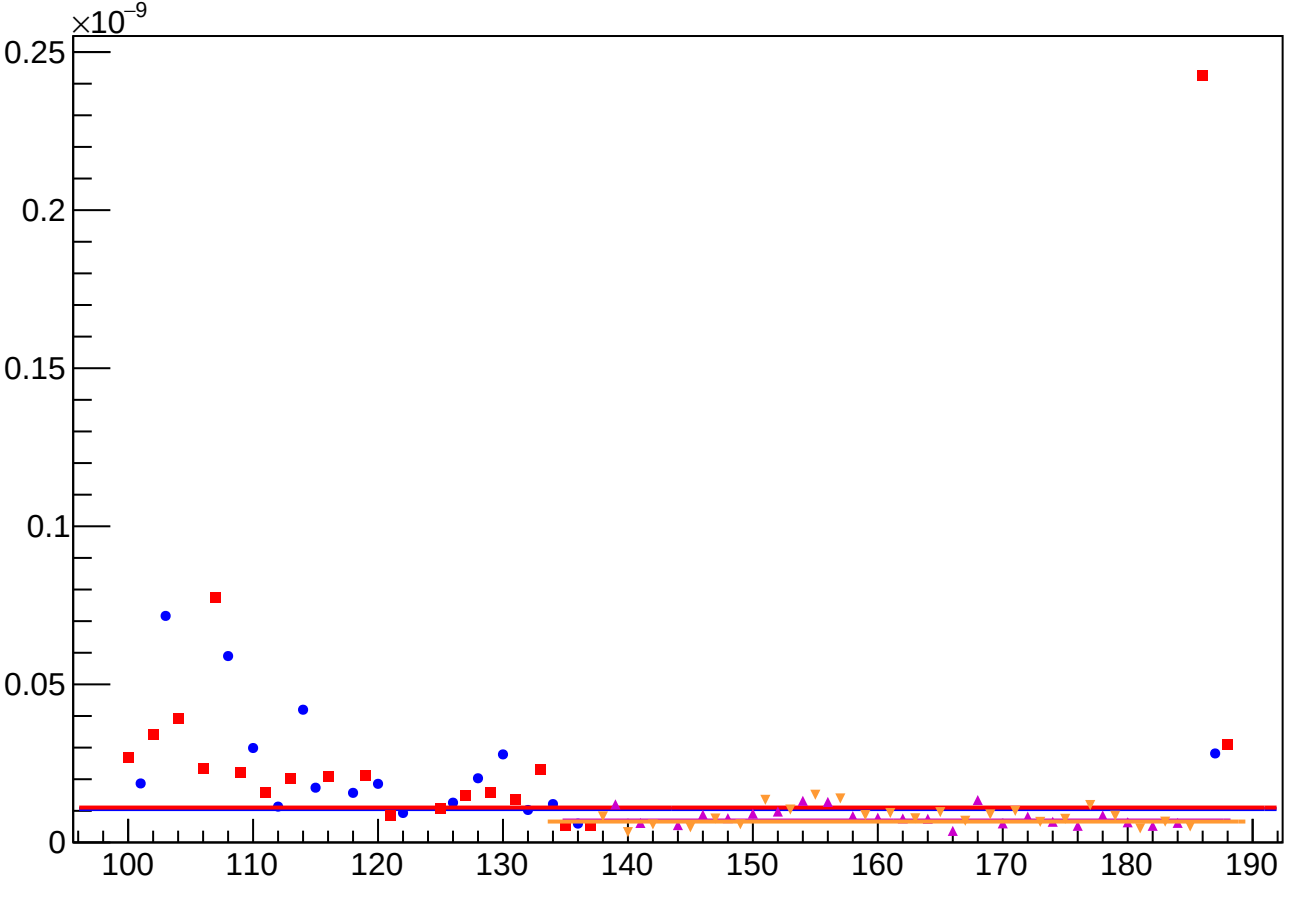
Right: 0.000+/-0.000 χ^2/NDF: 31.0/36

In: -0.000+/-0.000 χ^2/NDF:41.5/39

Out: 0.000+/-0.000 χ^2/NDF:27.9/43

All: 0.000+/-0.000 χ^2/NDF: 70.0/83

asym_usl_atl1_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2891367.0/16

Left Out: 0.000+/-0.000 χ^2/NDF:3457171.1/23

Right Out: 0.000+/-0.000 χ^2/NDF: 3637225.3/19

Left In: 0.000+/-0.000 χ^2/NDF:2315472.3/22

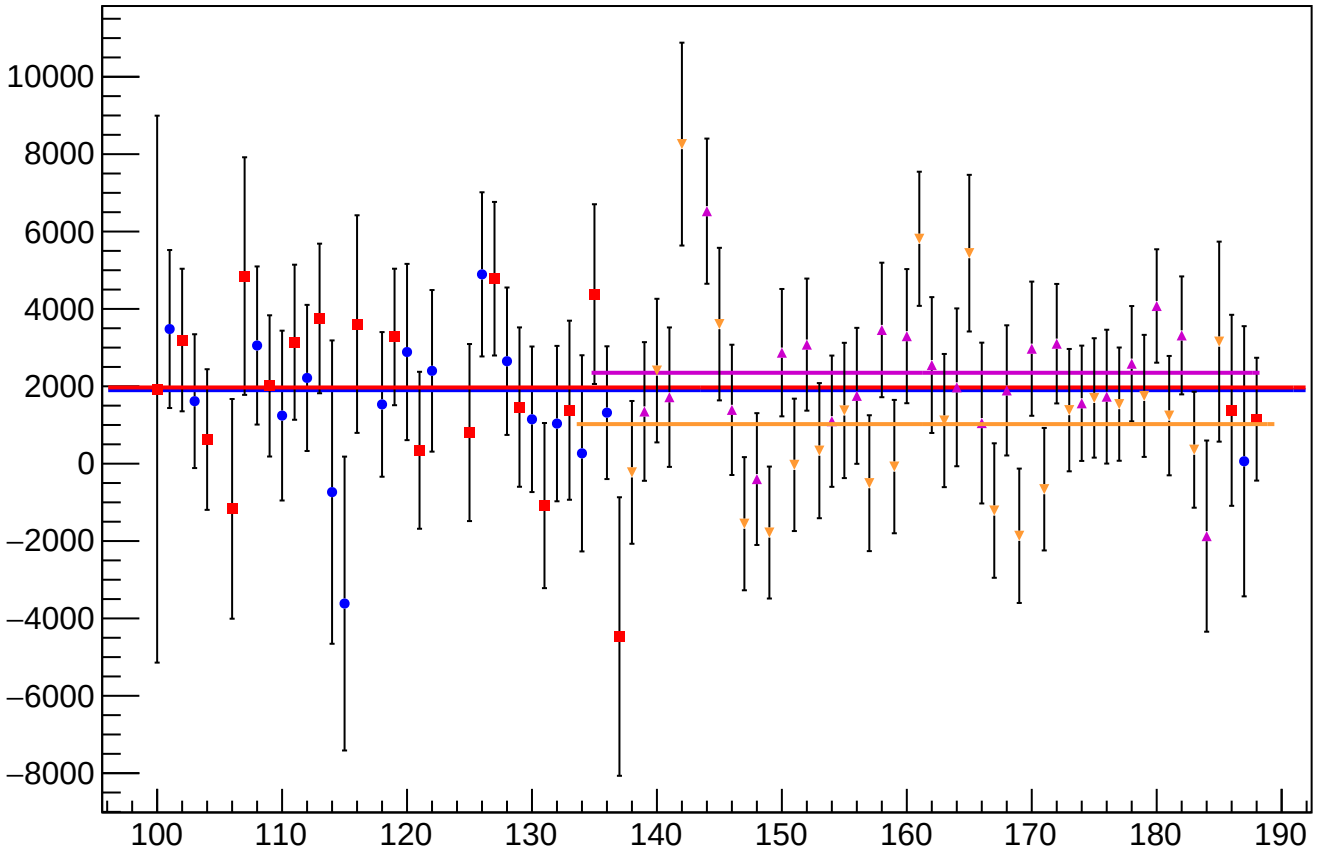
Left: 0.000+/-0.000 χ^2/NDF: 5798902.3/46

Right: 0.000+/-0.000 χ^2/NDF: 6535360.9/36

In: 0.000+/-0.000 χ^2/NDF:5914340.3/39

Out: 0.000+/-0.000 χ^2/NDF:8069371.9/43

All: 0.000+/-0.000 χ^2/NDF: 14008514.7/83



Right In: 1899.881+/-516.432 χ^2/NDF: 7.2/16

Left Out: 1022.603+/-353.459 χ^2/NDF:36.4/23

Right Out: 1969.928+/-484.216 χ^2/NDF: 14.8/19

Left In: 2349.189+/-357.068 χ^2/NDF:16.0/22

Left: 1679.158+/-251.199 χ^2/NDF: 59.4/46

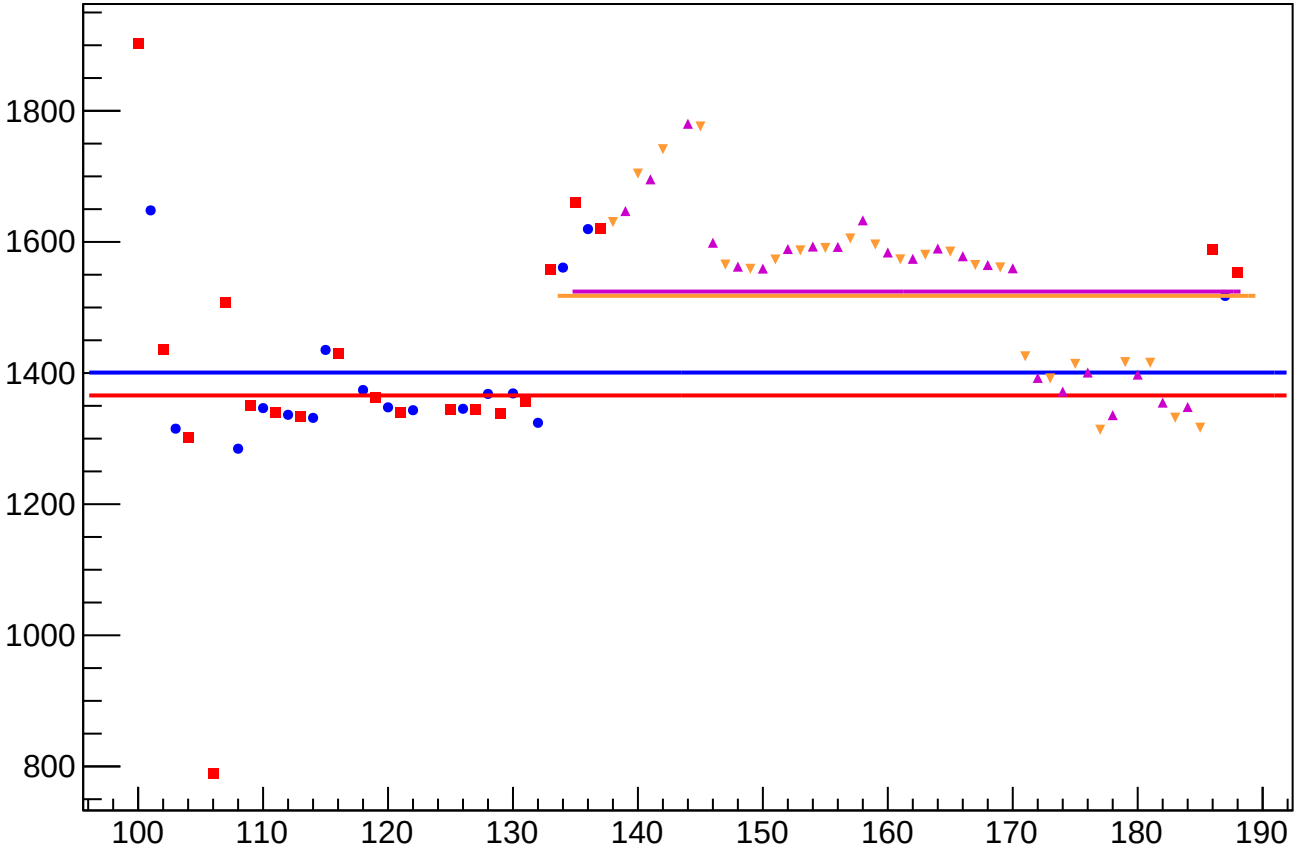
Right: 1937.158+/-353.233 χ^2/NDF: 22.1/36

In: 2203.867+/-293.701 χ^2/NDF:23.7/39

Out: 1351.910+/-285.489 χ^2/NDF:53.8/43

All: 1765.812+/-204.713 χ^2/NDF: 81.8/83

reg_asym_usl_atl2_avg_rms vs Slug, Sign Corrected



Right In: 1400.774+/-0.365 χ^2/NDF: 96213.1/16

Left Out: 1517.815+/-0.250 χ^2/NDF:233957.9/23

Right Out: 1365.845+/-0.333 χ^2/NDF: 367894.9/19

Left In: 1524.314+/-0.252 χ^2/NDF:224321.2/22

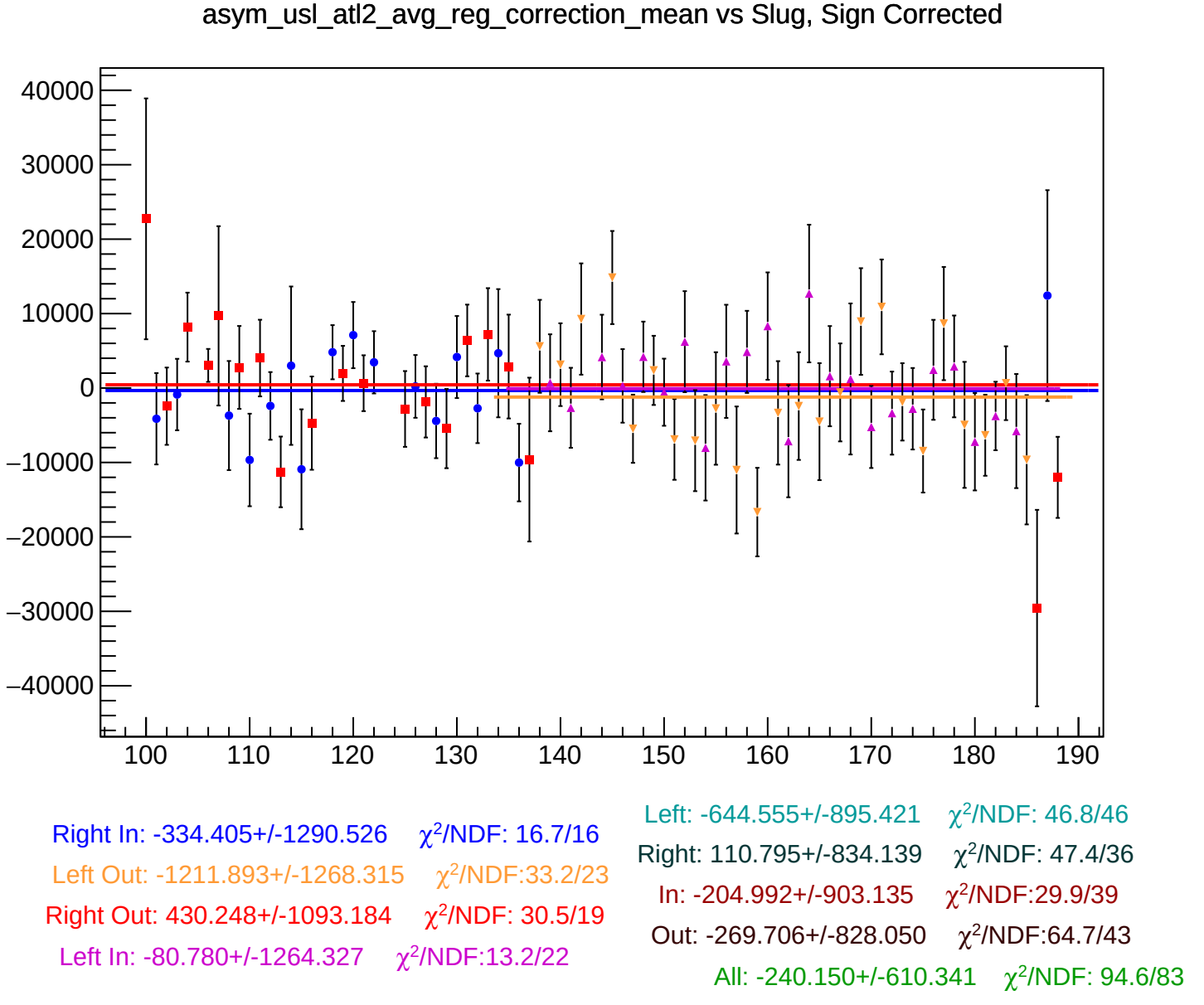
Left: 1521.032+/-0.178 χ^2/NDF: 458613.7/46

Right: 1381.705+/-0.246 χ^2/NDF: 469102.8/36

In: 1484.357+/-0.208 χ^2/NDF:397968.1/39

Out: 1463.061+/-0.200 χ^2/NDF:735059.7/43

All: 1473.303+/-0.144 χ^2/NDF: 1138485.7/83


asym_usl_atl2_avg_reg_correction_mean vs Slug, Sign Corrected
40000
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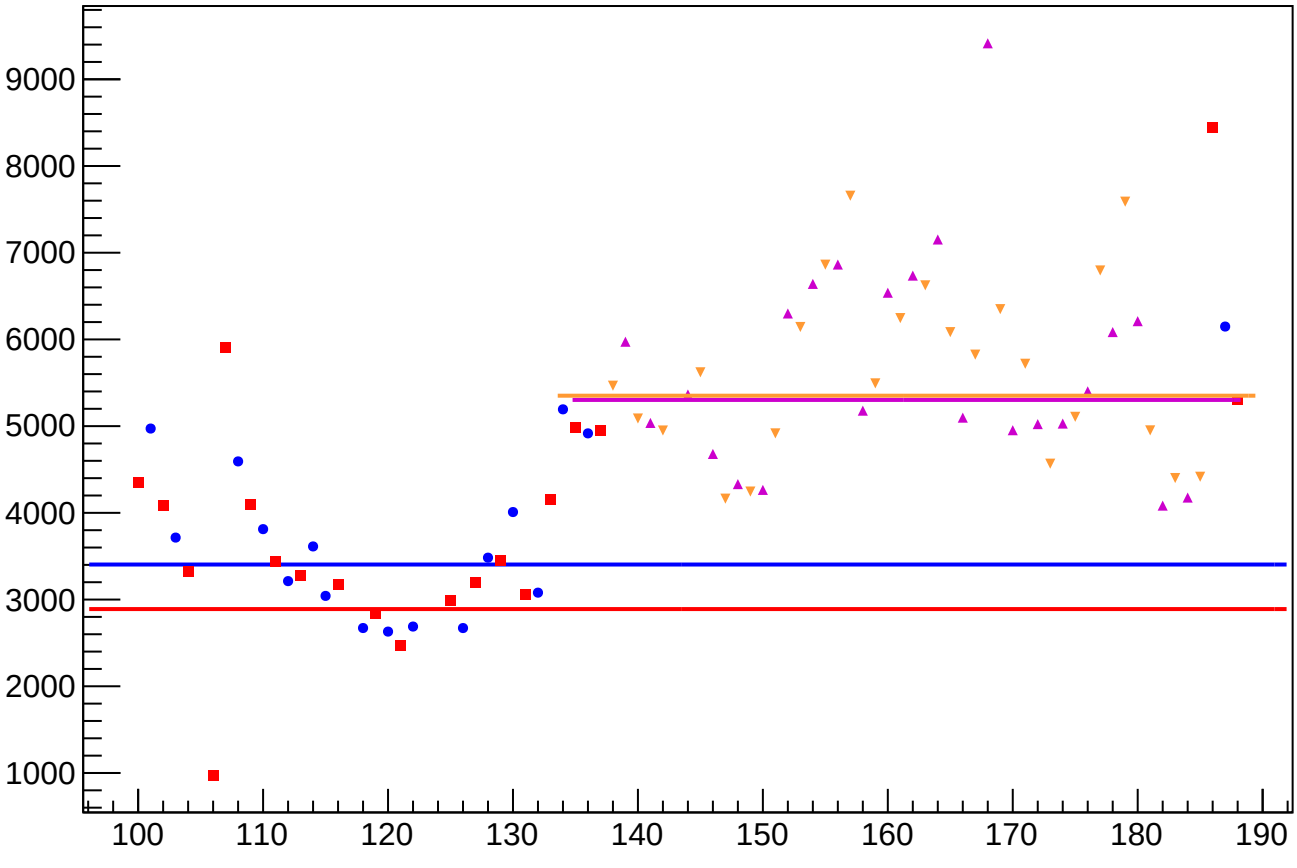
Right In: -334.405+/-1290.526 χ²/NDF: 16.7/16
Left Out: -1211.893+/-1268.315 χ²/NDF:33.2/23
Right Out: 430.248+/-1093.184 χ²/NDF: 30.5/19
Left In: -80.780+/-1264.327 χ²/NDF:13.2/22
Left: -644.555+/-895.421 χ²/NDF: 46.8/46
Right: 110.795+/-834.139 χ²/NDF: 47.4/36
In: -204.992+/-903.135 χ²/NDF:29.9/39
Out: -269.706+/-828.050 χ²/NDF:64.7/43
All: -240.150+/-610.341 χ²/NDF: 94.6/83



Right In: 3404.089+/-0.913 χ^2/NDF: 832855.3/16

Left Out: 5351.126+/-0.897 χ^2/NDF:1066045.6/23

Right Out: 2890.378+/-0.773 χ^2/NDF: 3043837.9/19

Left In: 5302.185+/-0.894 χ^2/NDF:1256309.3/22

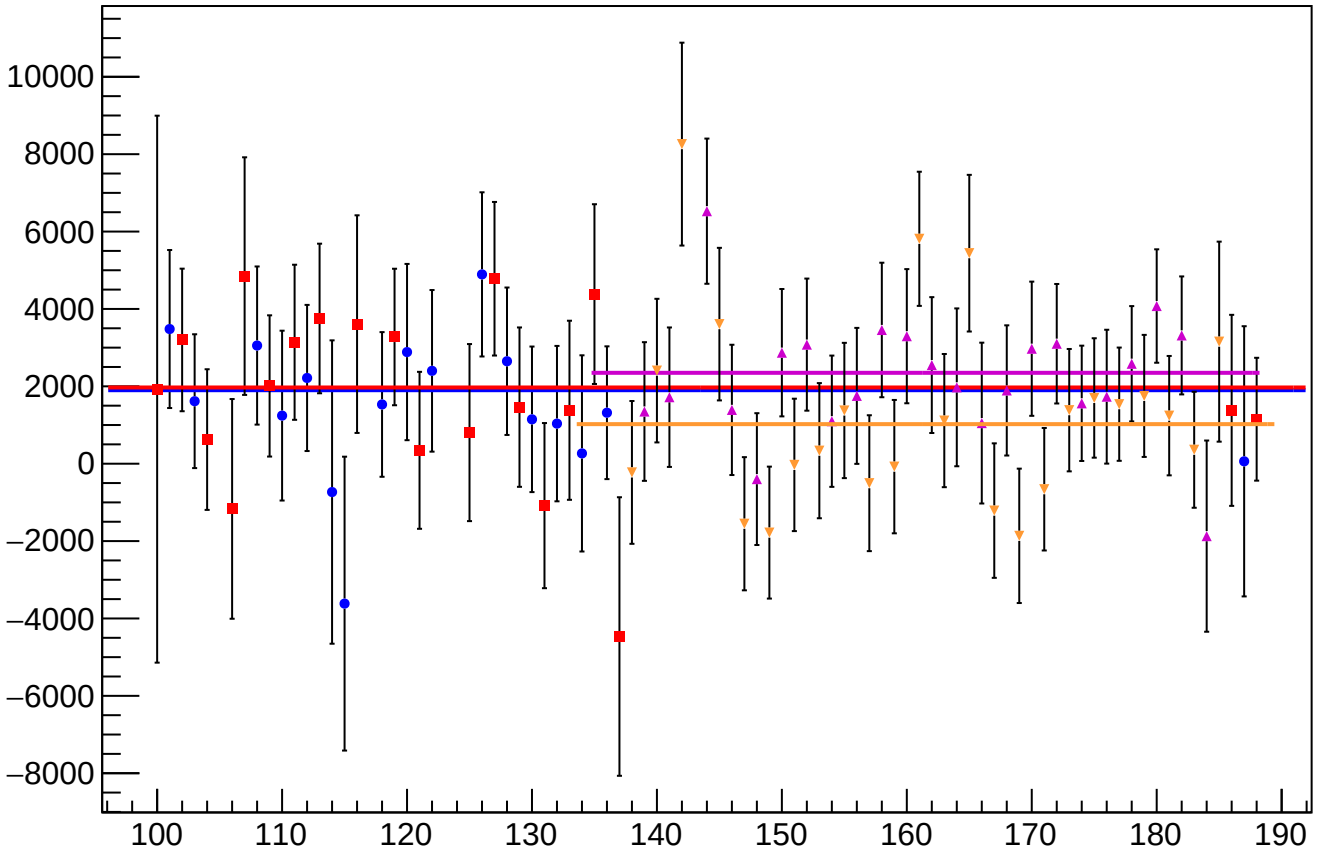
Left: 5326.578+/-0.633 χ^2/NDF: 2323848.7/46

Right: 3104.994+/-0.590 χ^2/NDF: 4061204.8/36

In: 4372.600+/-0.639 χ^2/NDF:4296756.2/39

Out: 3939.258+/-0.586 χ^2/NDF:8429416.2/43

All: 4137.169+/-0.432 χ^2/NDF: 12976331.9/8



Right In: 1899.928+/-516.432 χ^2/NDF: 7.2/16

Left Out: 1022.634+/-353.459 χ^2/NDF:36.4/23

Right Out: 1970.117+/-484.218 χ^2/NDF: 14.9/19

Left In: 2349.186+/-357.068 χ^2/NDF:16.0/22

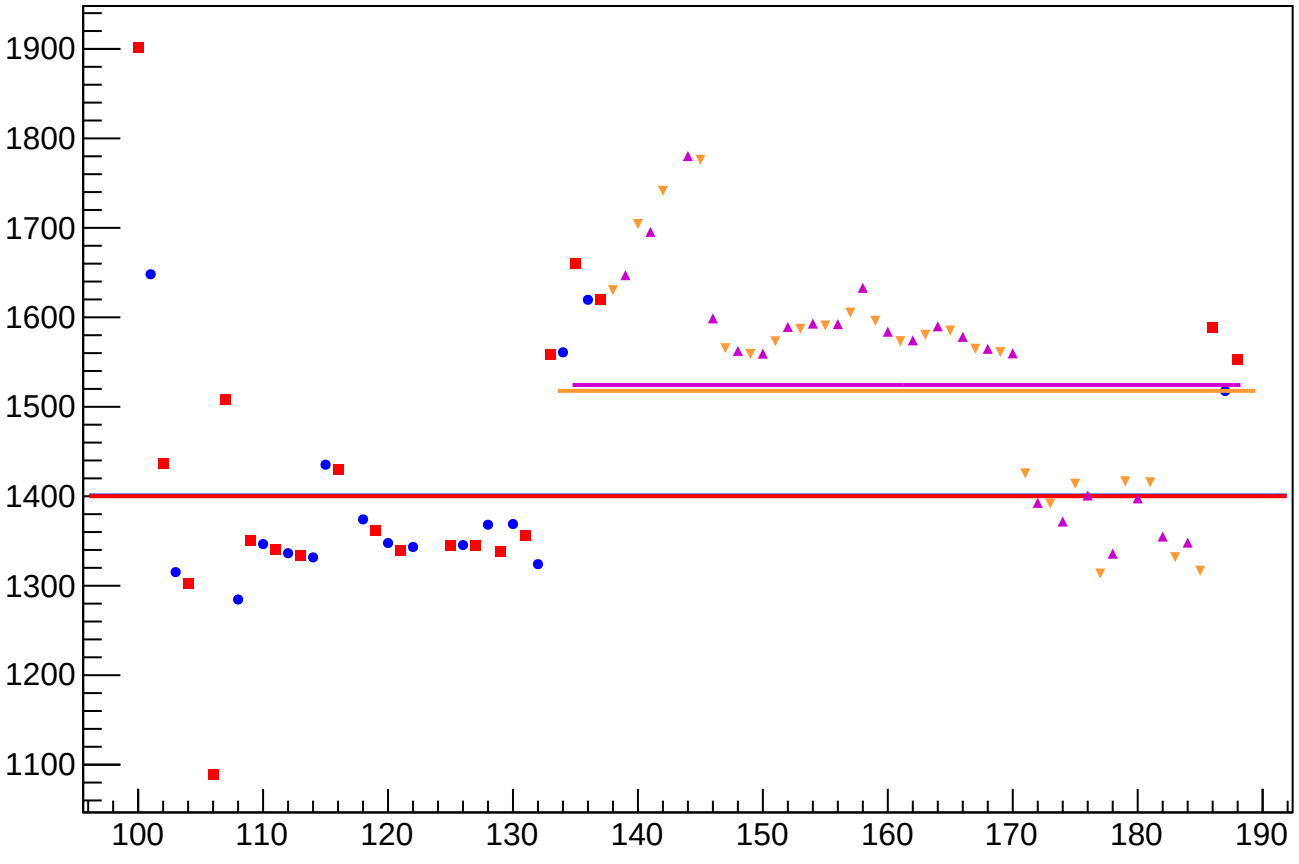
Left: 1679.172+/-251.199 χ^2/NDF: 59.4/46

Right: 1937.279+/-353.234 χ^2/NDF: 22.1/36

In: 2203.880+/-293.701 χ^2/NDF:23.7/39

Out: 1351.993+/-285.490 χ^2/NDF:53.8/43

All: 1765.862+/-204.713 χ^2/NDF: 81.8/83



Right In: 1400.774+/-0.365 χ^2/NDF: 96213.1/16

Left Out: 1517.815+/-0.250 χ^2/NDF:233957.9/23

Right Out: 1400.055+/-0.338 χ^2/NDF: 148534.5/19

Left In: 1524.314+/-0.252 χ^2/NDF:224321.2/22

Left: 1521.032+/-0.178 χ^2/NDF: 458613.6/46

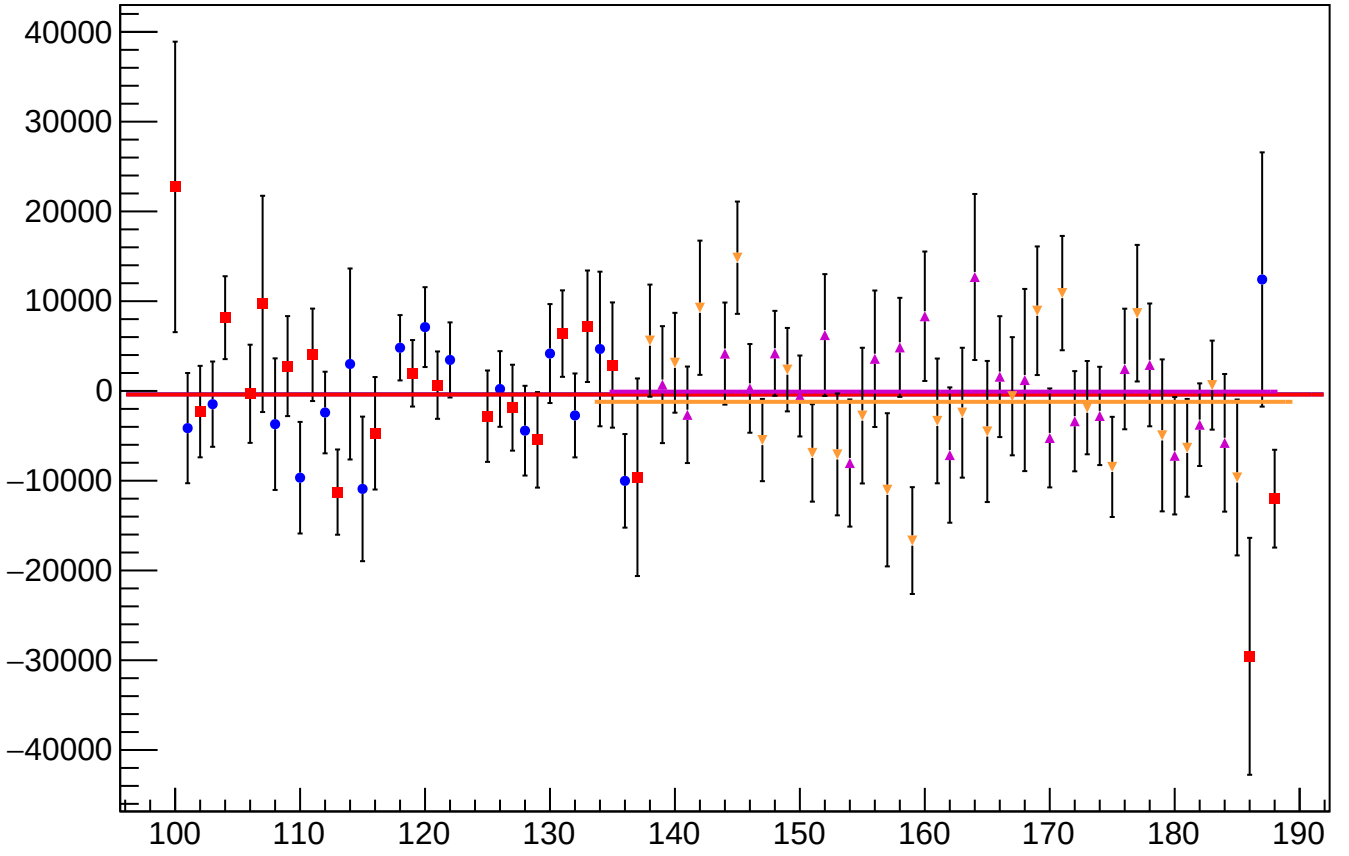
Right: 1400.387+/-0.248 χ^2/NDF: 244749.7/36

In: 1484.357+/-0.208 χ^2/NDF:397968.3/39

Out: 1476.256+/-0.201 χ^2/NDF:460838.9/43

All: 1480.175+/-0.144 χ^2/NDF: 859592.6/83

asym_usl_atl2_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -379.614+/-1289.553 χ^2/NDF: 16.8/16

Left Out: -1211.889+/-1268.316 χ^2/NDF:33.2/23

Right Out: -399.703+/-1223.520 χ^2/NDF: 28.6/19

Left In: -80.689+/-1264.325 χ^2/NDF:13.2/22

Left: -644.506+/-895.421 χ^2/NDF: 46.8/46

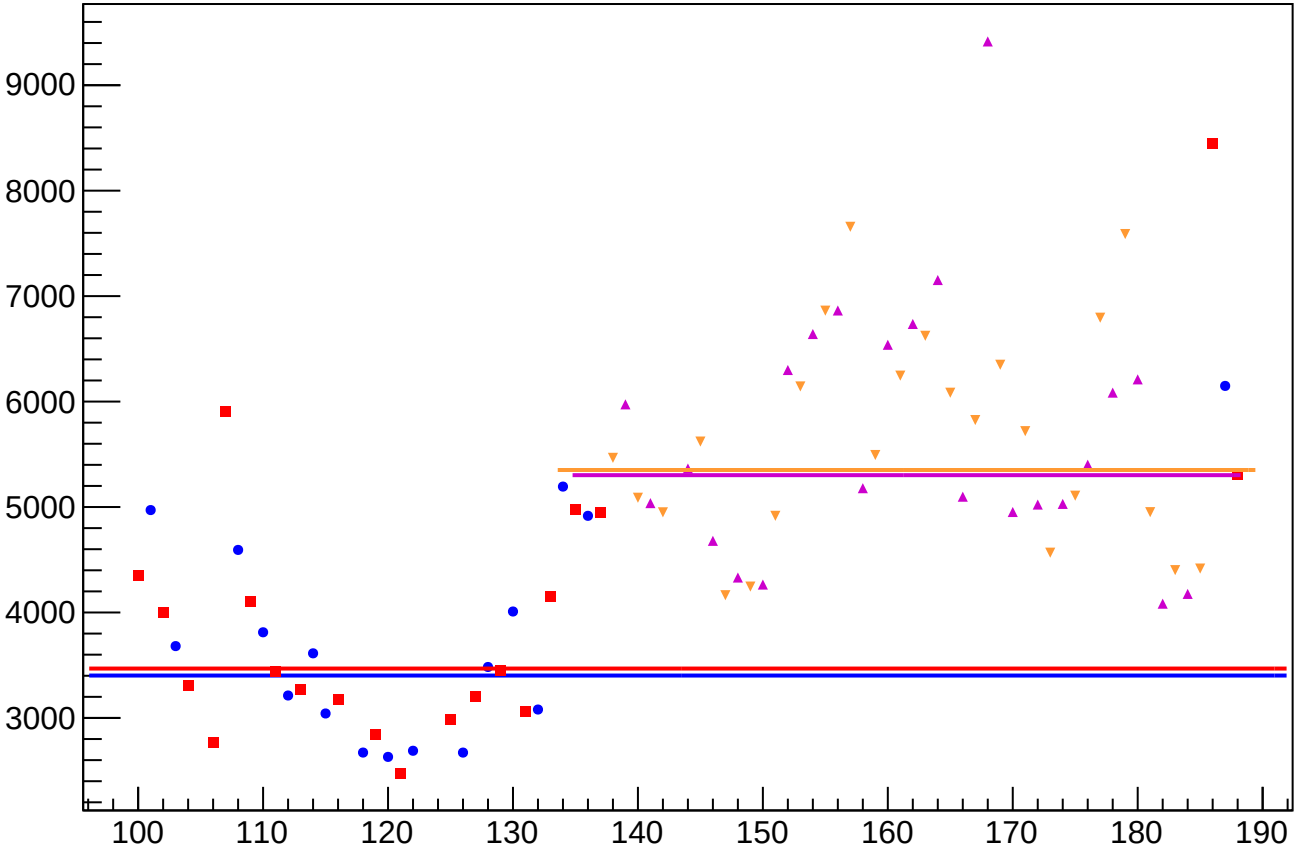
Right: -390.186+/-887.585 χ^2/NDF: 45.4/36

In: -227.199+/-902.800 χ^2/NDF:30.0/39

Out: -791.200+/-880.570 χ^2/NDF:62.1/43

All: -516.228+/-630.370 χ^2/NDF: 92.3/83

asym_usl_atl2_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 3402.064+/-0.912 χ^2/NDF: 831159.4/16

Left Out: 5351.132+/-0.897 χ^2/NDF:1066039.6/23

Right Out: 3468.329+/-0.865 χ^2/NDF: 1081534.0/19

Left In: 5302.177+/-0.894 χ^2/NDF:1256324.3/22

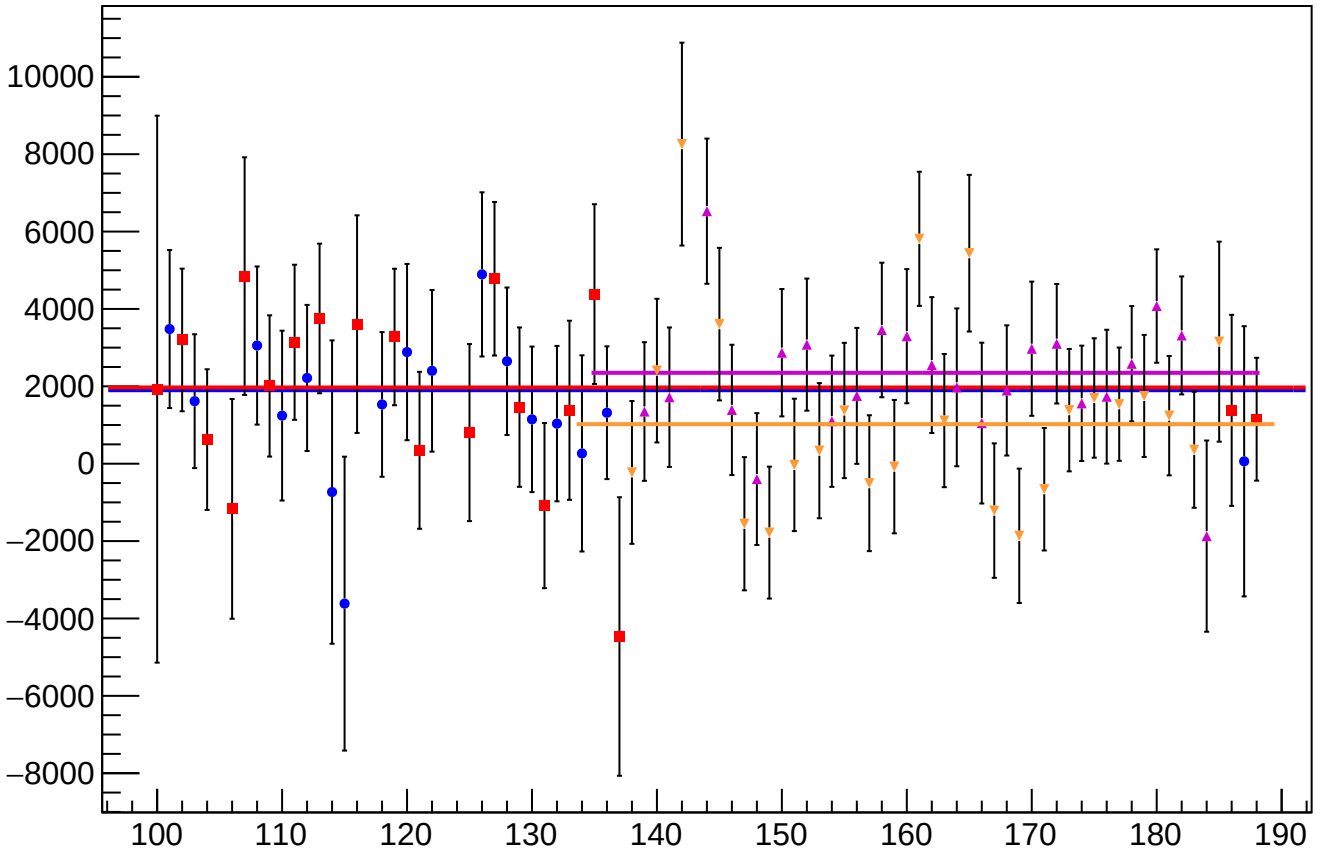
Left: 5326.577+/-0.633 χ^2/NDF: 2323858.4/46

Right: 3436.936+/-0.628 χ^2/NDF: 1915472.5/36

In: 4370.888+/-0.638 χ^2/NDF:4301475.8/39

Out: 4375.893+/-0.623 χ^2/NDF:4430492.0/43

All: 4373.453+/-0.446 χ^2/NDF: 8731999.4/83



Right In: 1899.928+/-516.432 χ^2/NDF: 7.2/16

Left Out: 1022.634+/-353.459 χ^2/NDF:36.4/23

Right Out: 1970.117+/-484.218 χ^2/NDF: 14.9/19

Left In: 2349.186+/-357.068 χ^2/NDF:16.0/22

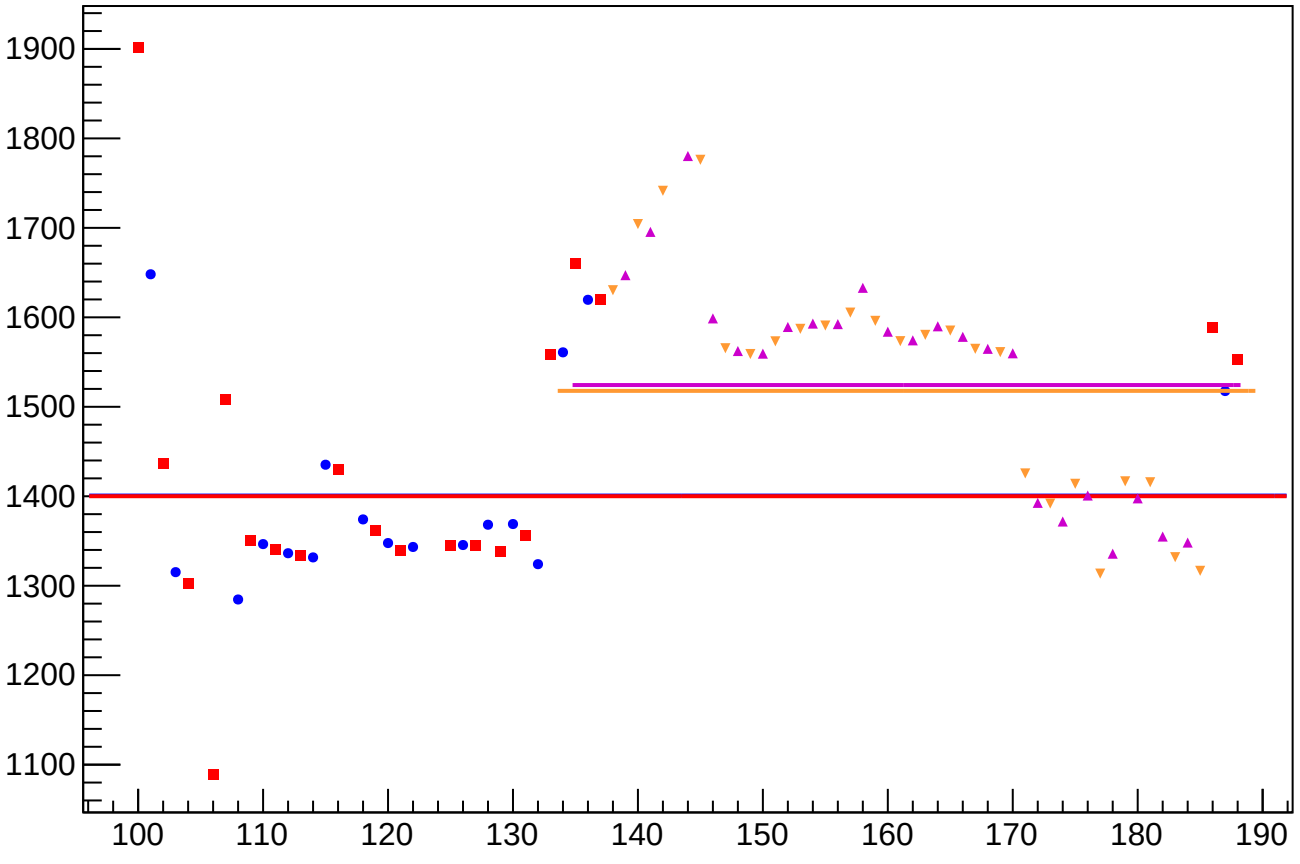
Left: 1679.172+/-251.199 χ^2/NDF: 59.4/46

Right: 1937.279+/-353.234 χ^2/NDF: 22.1/36

In: 2203.880+/-293.701 χ^2/NDF:23.7/39

Out: 1351.993+/-285.490 χ^2/NDF:53.8/43

All: 1765.862+/-204.713 χ^2/NDF: 81.8/83



Right In: 1400.774+/-0.365 χ^2/NDF: 96213.1/16

Left Out: 1517.815+/-0.250 χ^2/NDF:233957.9/23

Right Out: 1400.055+/-0.338 χ^2/NDF: 148534.5/19

Left In: 1524.314+/-0.252 χ^2/NDF:224321.2/22

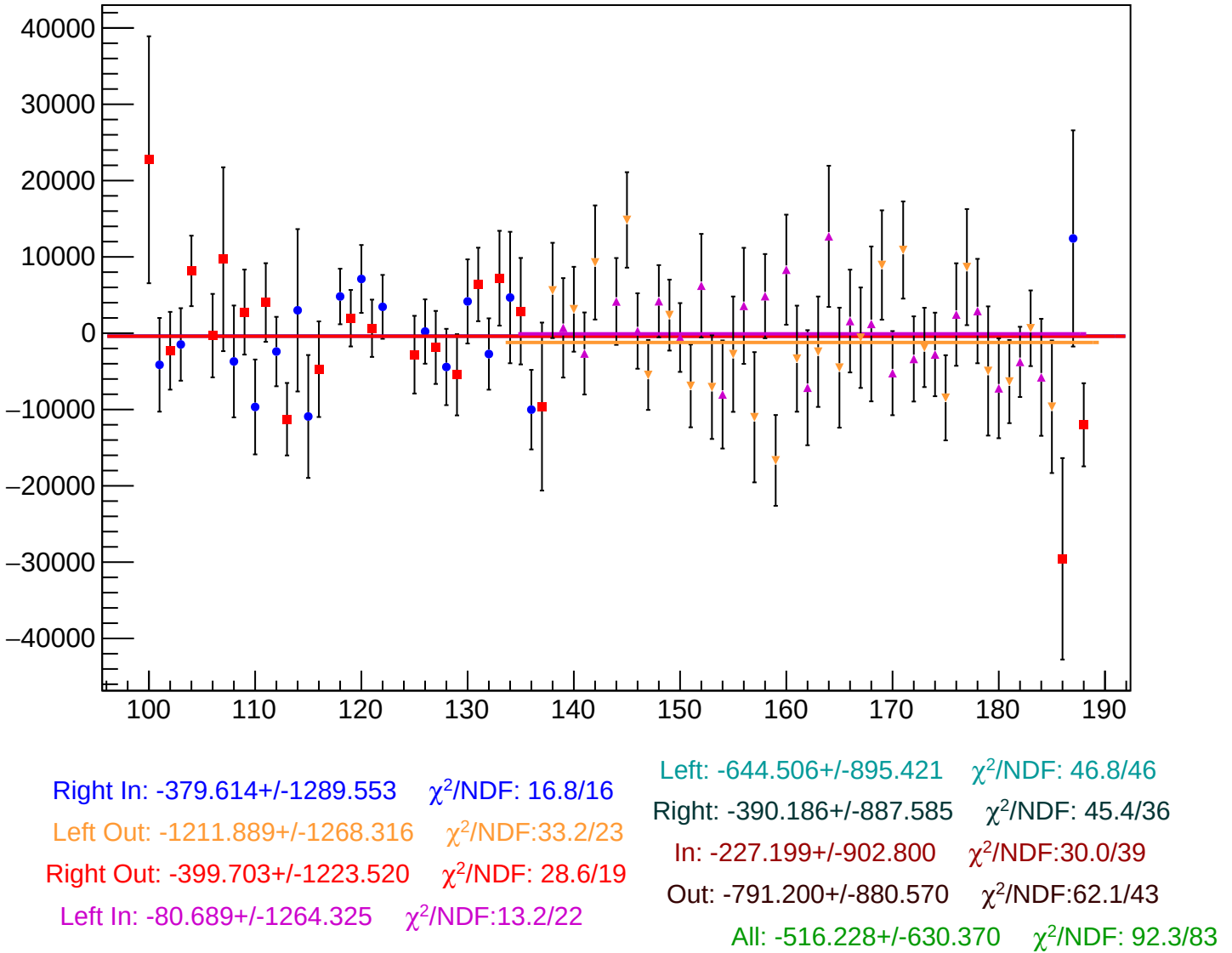
Left: 1521.032+/-0.178 χ^2/NDF: 458613.6/46

Right: 1400.387+/-0.248 χ^2/NDF: 244749.7/36

In: 1484.357+/-0.208 χ^2/NDF:397968.3/39

Out: 1476.256+/-0.201 χ^2/NDF:460838.9/43

All: 1480.175+/-0.144 χ^2/NDF: 859592.6/83


asym_usl_atl2_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
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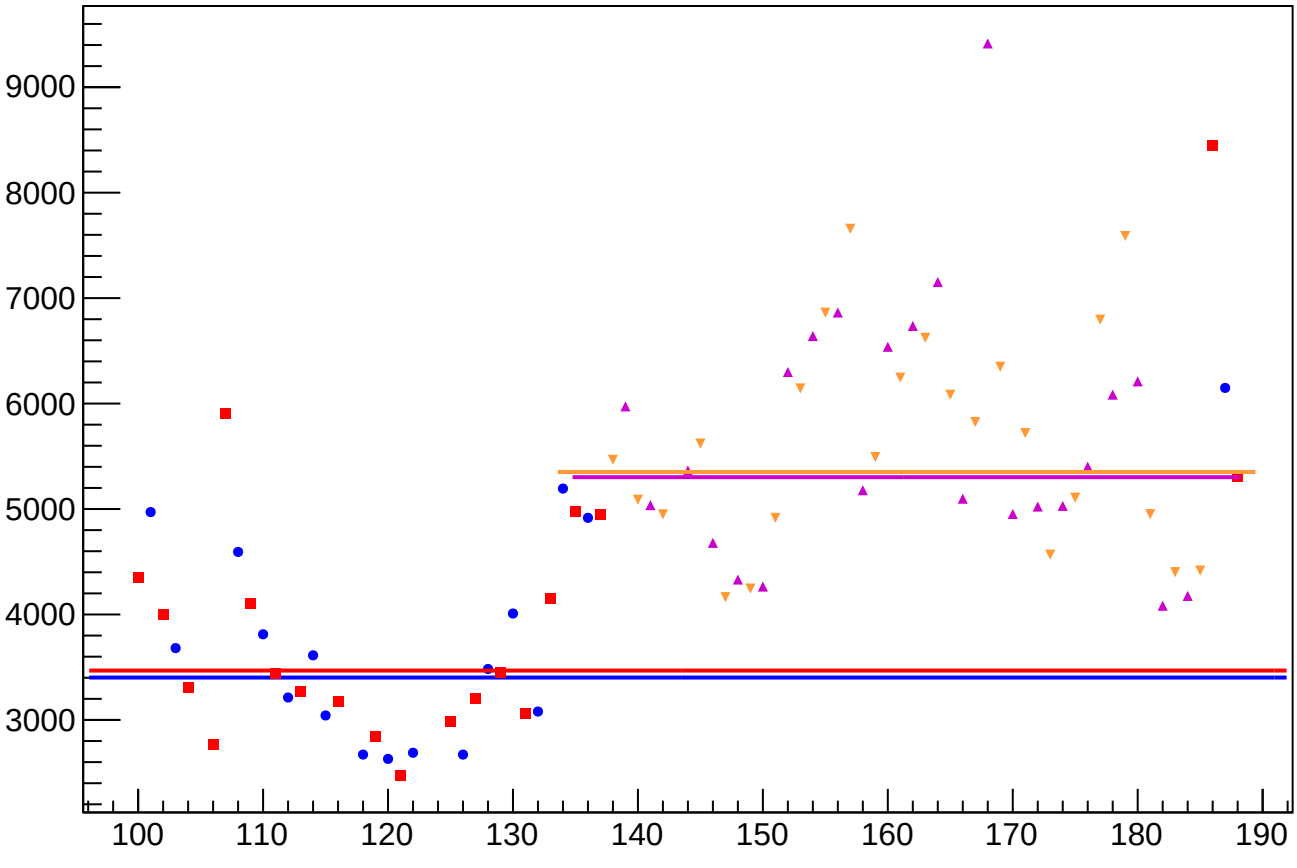
Right In: -379.614+/-1289.553 χ²/NDF: 16.8/16
Left Out: -1211.889+/-1268.316 χ²/NDF:33.2/23
Right Out: -399.703+/-1223.520 χ²/NDF: 28.6/19
Left In: -80.689+/-1264.325 χ²/NDF:13.2/22
Left: -644.506+/-895.421 χ²/NDF: 46.8/46
Right: -390.186+/-887.585 χ²/NDF: 45.4/36
In: -227.199+/-902.800 χ²/NDF:30.0/39
Out: -791.200+/-880.570 χ²/NDF:62.1/43
All: -516.228+/-630.370 χ²/NDF: 92.3/83



Right In: 3402.064+/-0.912 χ^2/NDF: 831159.4/16

Left Out: 5351.132+/-0.897 χ^2/NDF:1066039.6/23

Right Out: 3468.329+/-0.865 χ^2/NDF: 1081534.0/19

Left In: 5302.177+/-0.894 χ^2/NDF:1256324.3/22

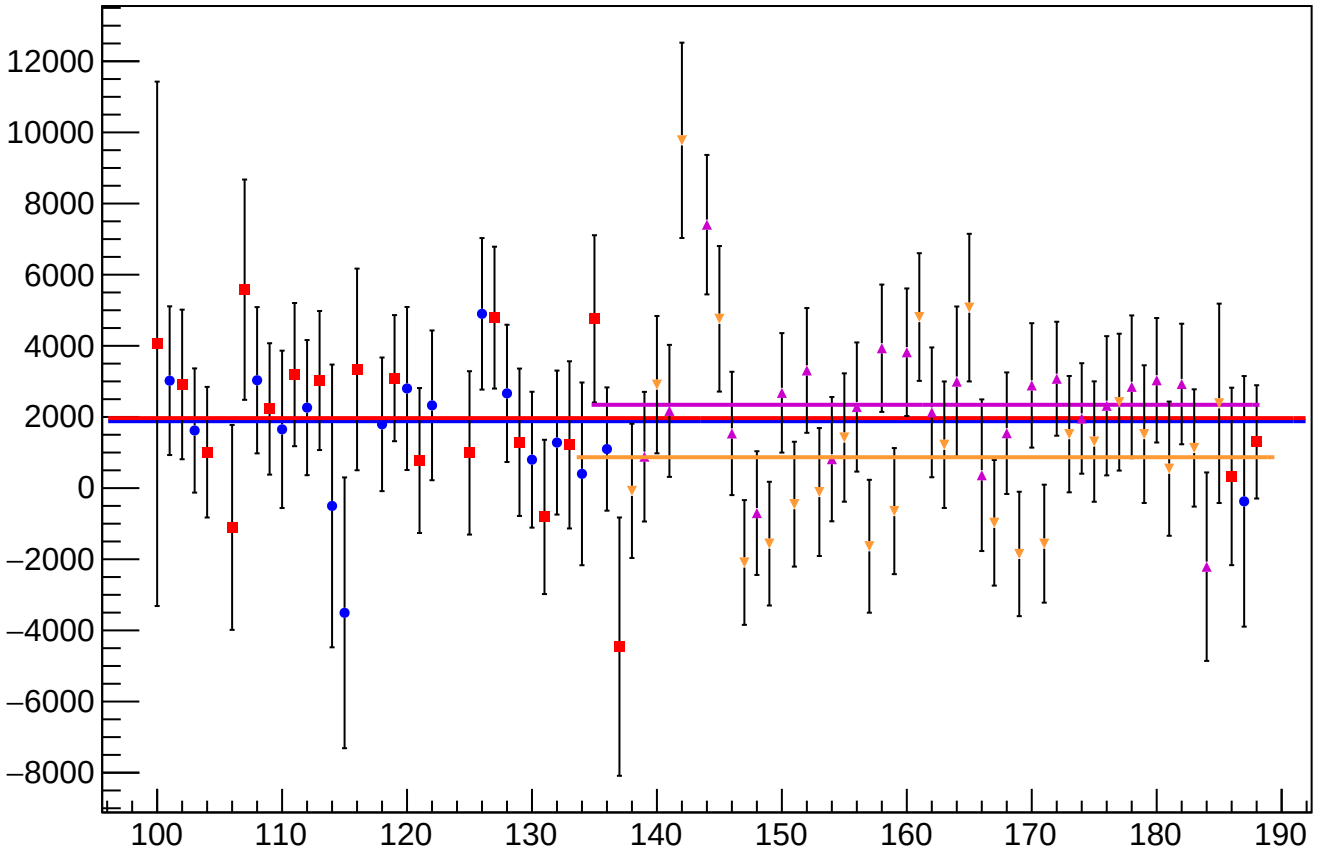
Left: 5326.577+/-0.633 χ^2/NDF: 2323858.4/46

Right: 3436.936+/-0.628 χ^2/NDF: 1915472.5/36

In: 4370.888+/-0.638 χ^2/NDF:4301475.8/39

Out: 4375.893+/-0.623 χ^2/NDF:4430492.0/43

All: 4373.453+/-0.446 χ^2/NDF: 8731999.4/83



Right In: 1881.080+/-521.330 χ^2/NDF: 6.8/16

Left Out: 868.415+/-377.179 χ^2/NDF:39.7/23

Right Out: 1967.816+/-491.995 χ^2/NDF: 13.9/19

Left In: 2342.303+/-378.114 χ^2/NDF:18.0/22

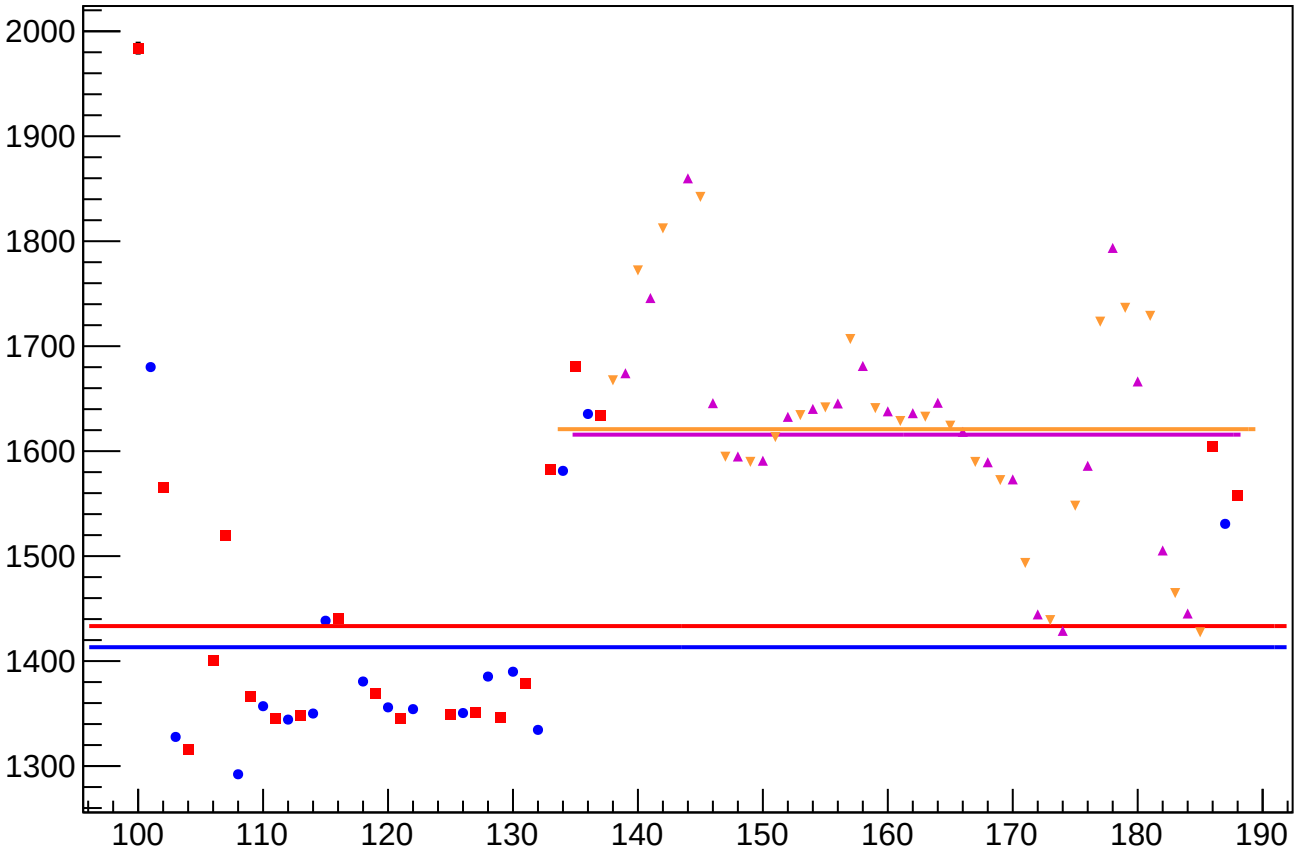
Left: 1603.536+/-267.036 χ^2/NDF: 65.4/46

Right: 1926.957+/-357.814 χ^2/NDF: 20.7/36

In: 2183.315+/-306.083 χ^2/NDF:25.3/39

Out: 1275.378+/-299.337 χ^2/NDF:56.8/43

All: 1719.231+/-214.008 χ^2/NDF: 86.6/83



Right In: 1413.227+/-0.369 χ^2/NDF: 101425.6/16

Left Out: 1620.945+/-0.267 χ^2/NDF:141985.5/23

Right Out: 1433.346+/-0.347 χ^2/NDF: 114590.4/19

Left In: 1615.705+/-0.267 χ^2/NDF:137139.2/22

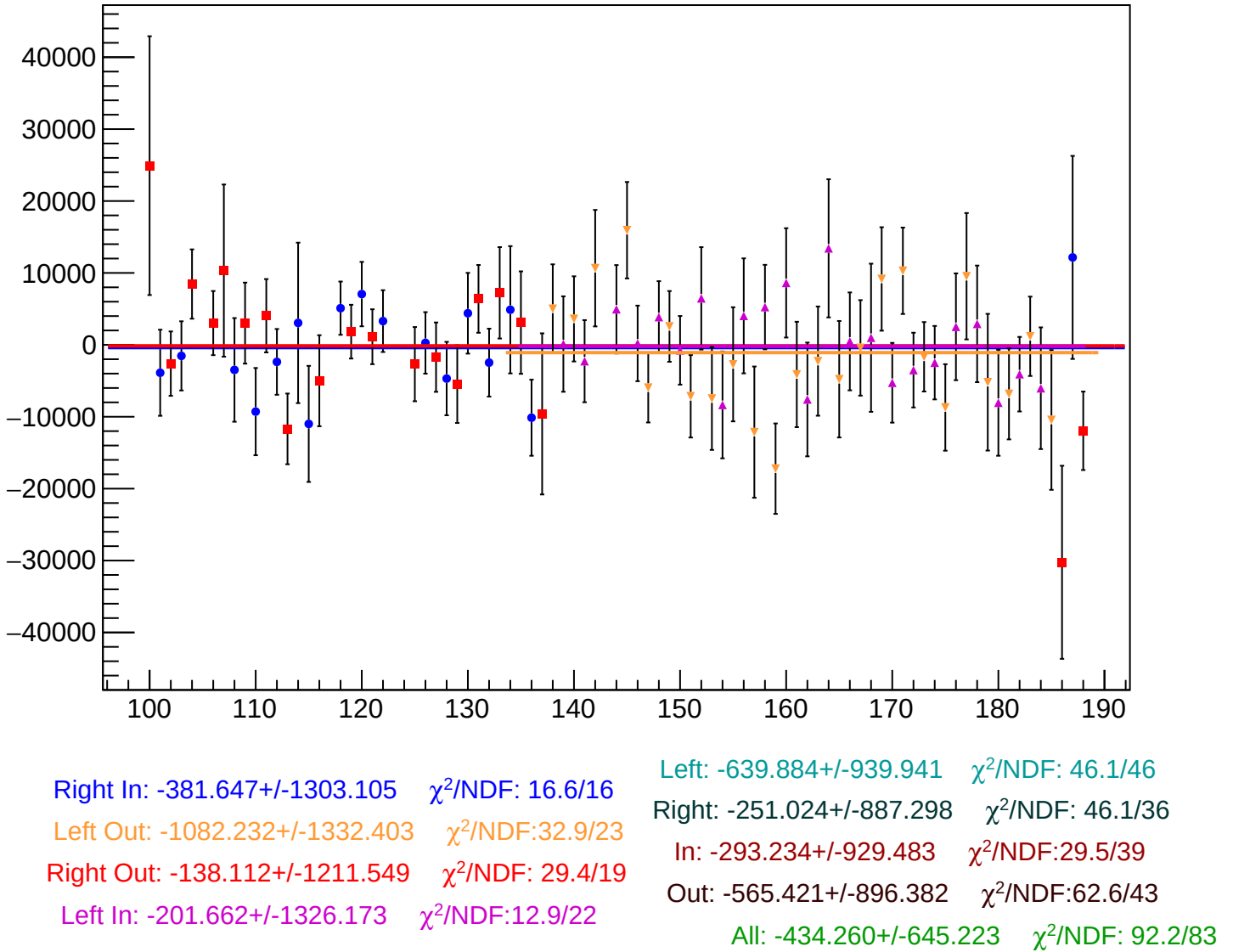
Left: 1618.331+/-0.189 χ^2/NDF: 279317.2/46

Right: 1423.892+/-0.253 χ^2/NDF: 217594.9/36

In: 1545.909+/-0.216 χ^2/NDF:436258.3/39

Out: 1551.299+/-0.211 χ^2/NDF:440254.8/43

All: 1548.666+/-0.151 χ^2/NDF: 876830.5/83


asym_usl_atl2_avg_dit_correction_mean vs Slug, Sign Corrected
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−10000
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−30000
−40000
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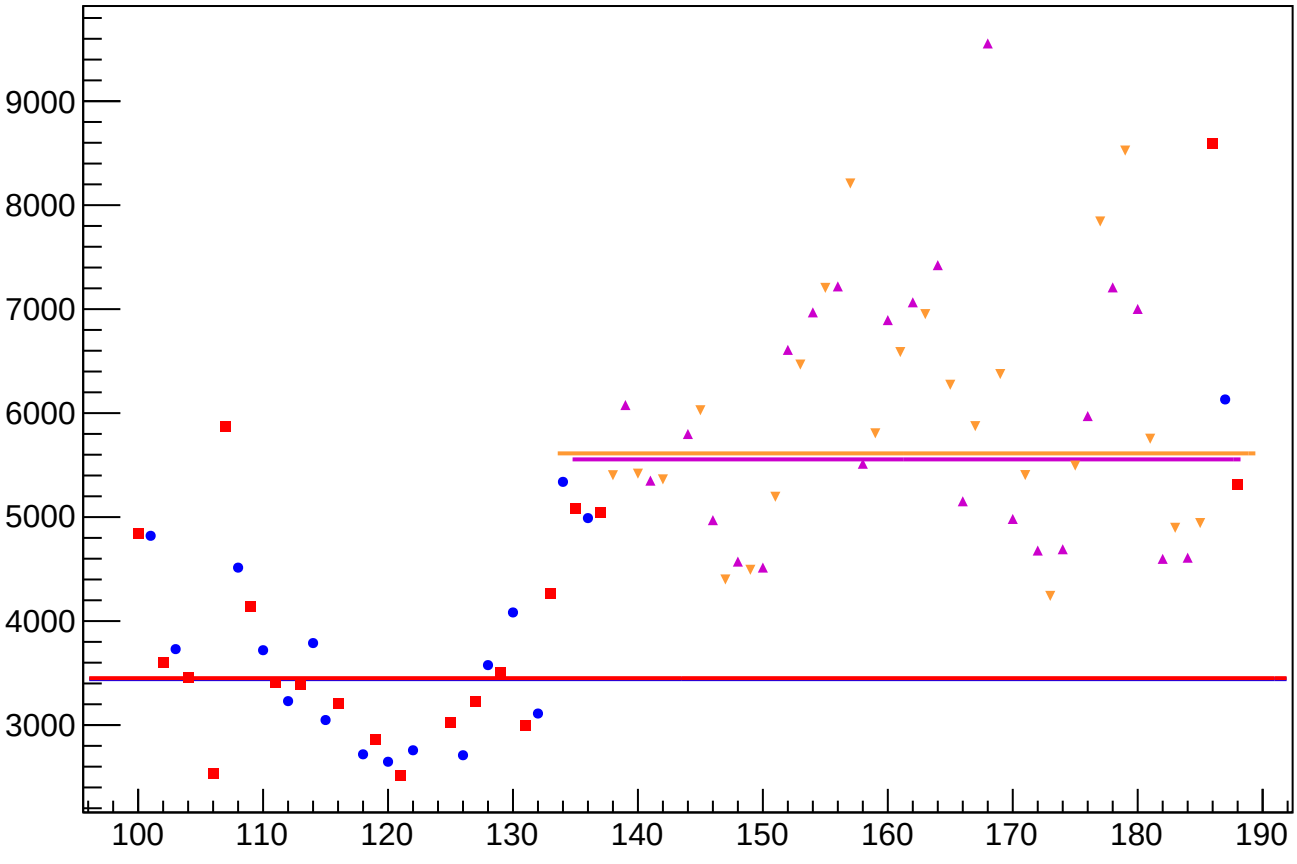
180
190
Right In: -381.647+/-1303.105 χ²/NDF: 16.6/16
Left Out: -1082.232+/-1332.403 χ²/NDF:32.9/23
Right Out: -138.112+/-1211.549 χ²/NDF: 29.4/19
Left In: -201.662+/-1326.173 χ²/NDF:12.9/22
Left: -639.884+/-939.941 χ²/NDF: 46.1/46
Right: -251.024+/-887.298 χ²/NDF: 46.1/36
In: -293.234+/-929.483 χ²/NDF:29.5/39
Out: -565.421+/-896.382 χ²/NDF:62.6/43
All: -434.260+/-645.223 χ²/NDF: 92.2/83



Right In: 3441.813+/-0.921 χ^2/NDF: 794430.4/16

Left Out: 5612.730+/-0.942 χ^2/NDF:1188118.0/23

Right Out: 3450.932+/-0.857 χ^2/NDF: 1123804.1/19

Left In: 5554.927+/-0.938 χ^2/NDF:1332970.4/22

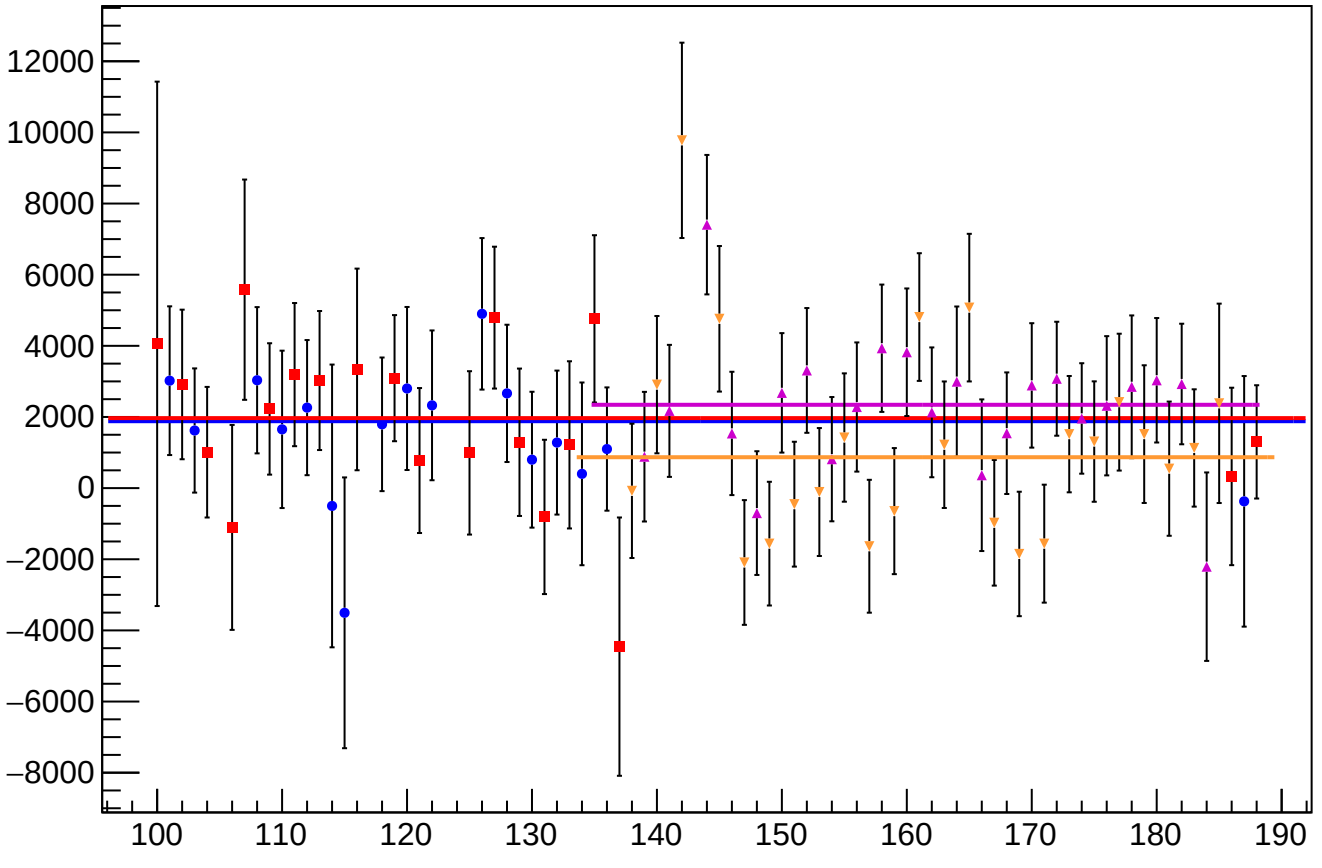
Left: 5583.693+/-0.665 χ^2/NDF: 2522979.3/46

Right: 3446.704+/-0.627 χ^2/NDF: 1918287.1/36

In: 4479.831+/-0.657 χ^2/NDF:4710846.3/39

Out: 4429.363+/-0.634 χ^2/NDF:5193919.1/43

All: 4453.683+/-0.456 χ^2/NDF: 9907820.4/83



Right In: 1881.082+/-521.330 χ^2/NDF: 6.8/16

Left Out: 868.410+/-377.180 χ^2/NDF:39.7/23

Right Out: 1967.818+/-491.995 χ^2/NDF: 13.9/19

Left In: 2342.303+/-378.114 χ^2/NDF:18.0/22

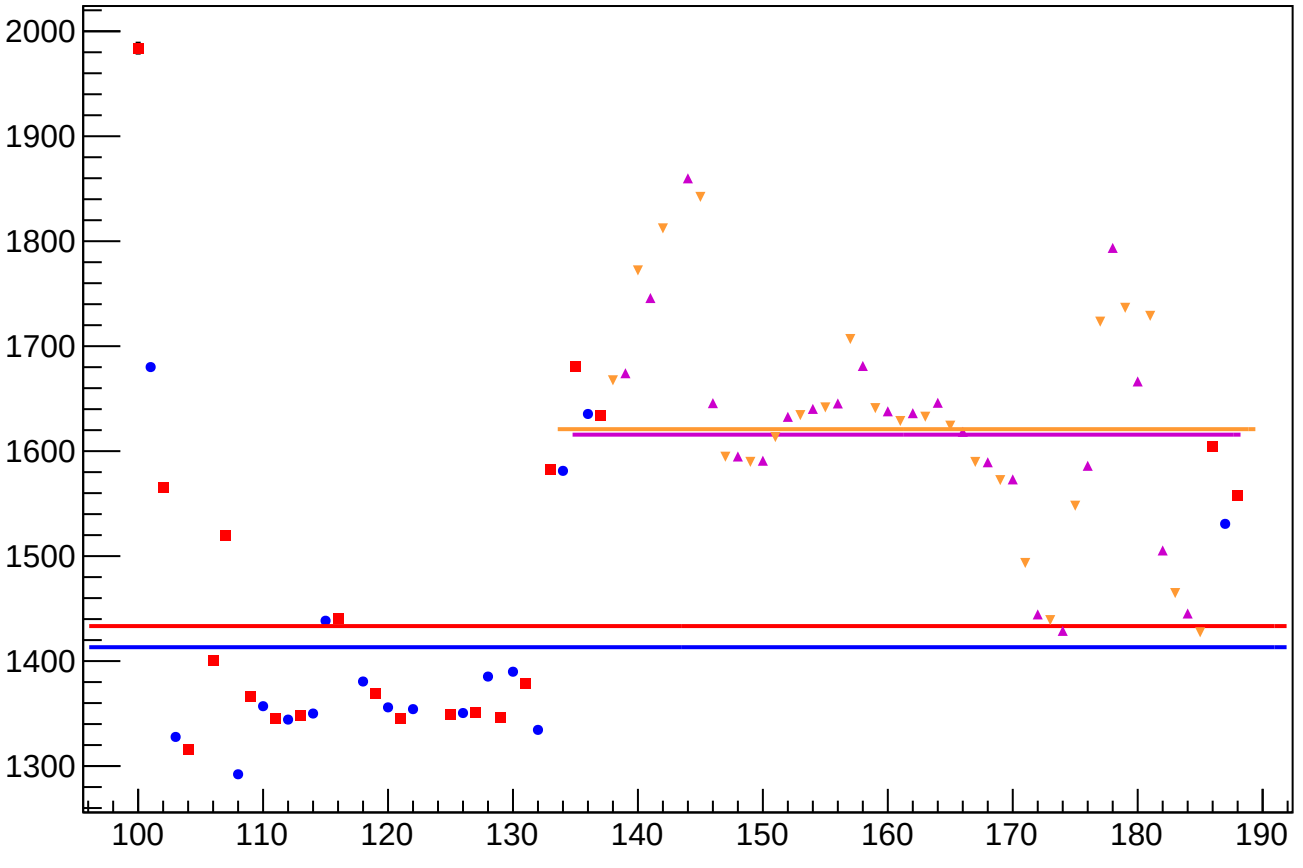
Left: 1603.533+/-267.036 χ^2/NDF: 65.4/46

Right: 1926.959+/-357.814 χ^2/NDF: 20.7/36

In: 2183.316+/-306.083 χ^2/NDF:25.3/39

Out: 1275.376+/-299.337 χ^2/NDF:56.8/43

All: 1719.230+/-214.009 χ^2/NDF: 86.6/83



Right In: 1413.227+/-0.369 χ^2/NDF: 101425.6/16

Left Out: 1620.946+/-0.267 χ^2/NDF:141990.3/23

Right Out: 1433.346+/-0.347 χ^2/NDF: 114590.4/19

Left In: 1615.706+/-0.267 χ^2/NDF:137144.0/22

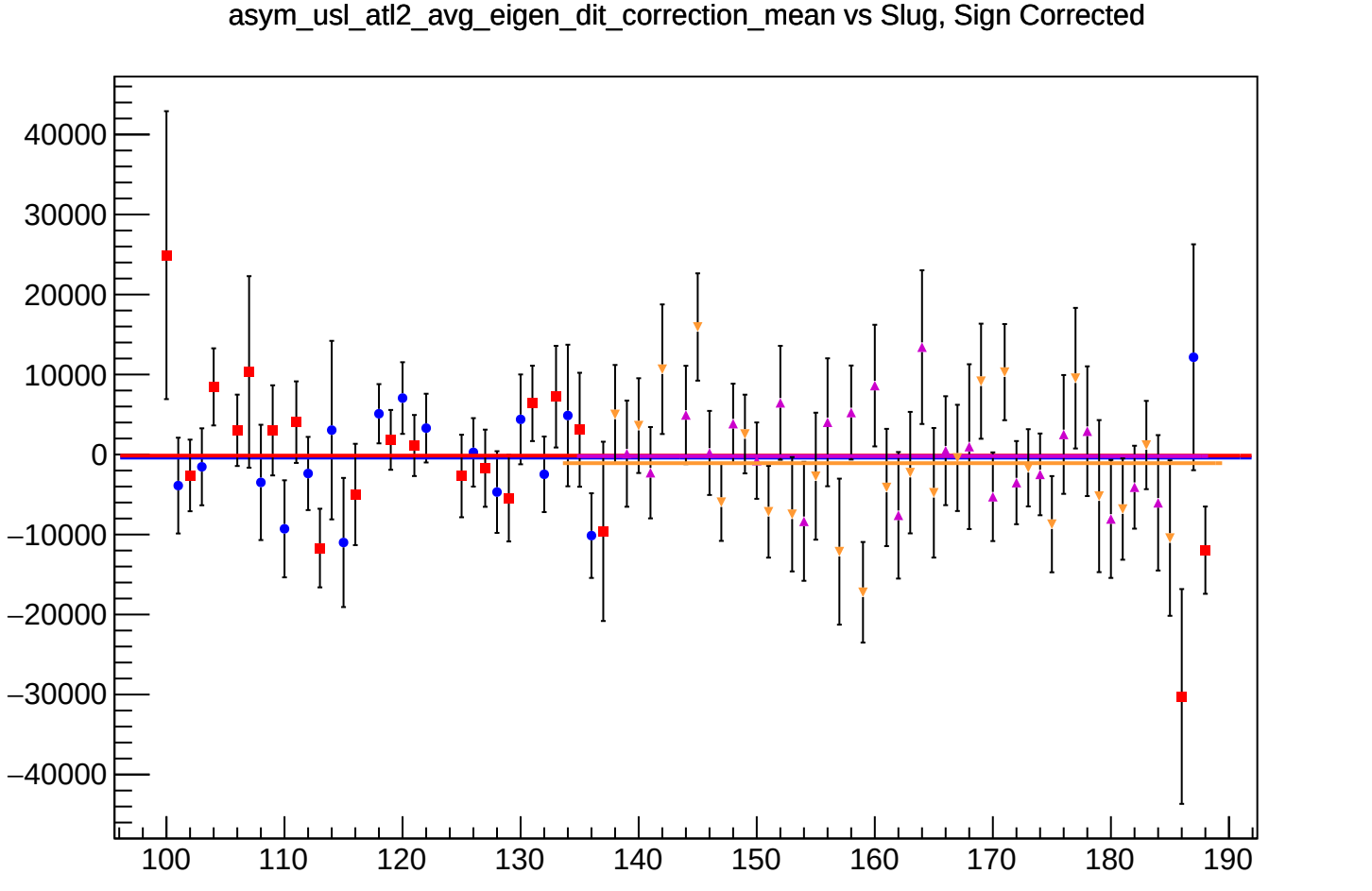
Left: 1618.333+/-0.189 χ^2/NDF: 279326.8/46

Right: 1423.892+/-0.253 χ^2/NDF: 217594.8/36

In: 1545.909+/-0.216 χ^2/NDF:436265.3/39

Out: 1551.300+/-0.211 χ^2/NDF:440262.5/43

All: 1548.667+/-0.151 χ^2/NDF: 876845.1/83



Right In: -381.641+/-1303.101 χ^2/NDF: 16.6/16

Left Out: -1082.239+/-1332.405 χ^2/NDF:32.9/23

Right Out: -138.104+/-1211.546 χ^2/NDF: 29.4/19

Left In: -201.663+/-1326.175 χ^2/NDF:12.9/22

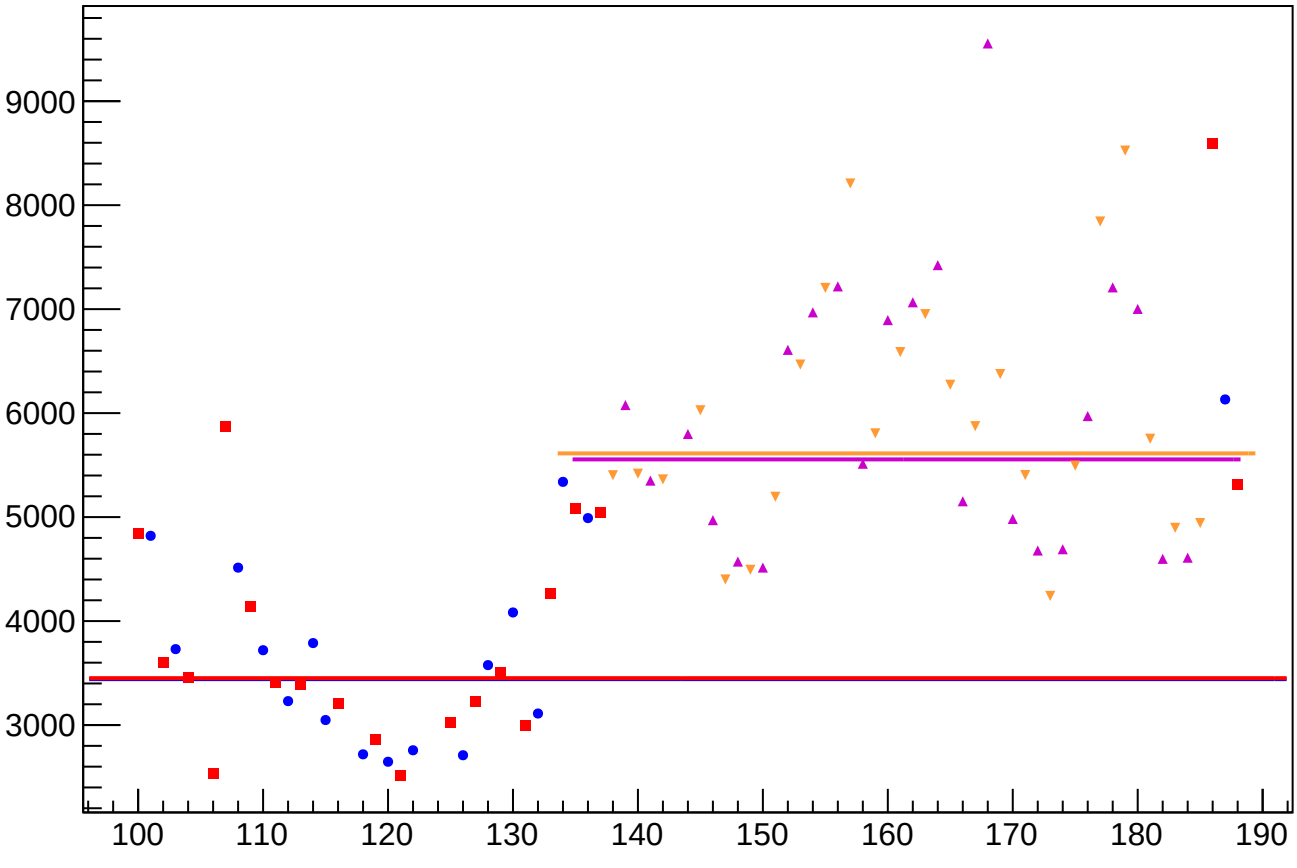
Left: -639.888+/-939.942 χ^2/NDF: 46.1/46

Right: -251.017+/-887.295 χ^2/NDF: 46.1/36

In: -293.231+/-929.482 χ^2/NDF:29.5/39

Out: -565.418+/-896.381 χ^2/NDF:62.6/43

All: -434.258+/-645.222 χ^2/NDF: 92.2/83



Right In: 3441.802+/-0.921 χ^2/NDF: 794439.9/16

Left Out: 5612.739+/-0.942 χ^2/NDF:1188118.8/23

Right Out: 3450.922+/-0.857 χ^2/NDF: 1123812.4/19

Left In: 5554.935+/-0.938 χ^2/NDF:1332972.0/22

Left: 5583.702+/-0.665 χ^2/NDF: 2522981.7/46

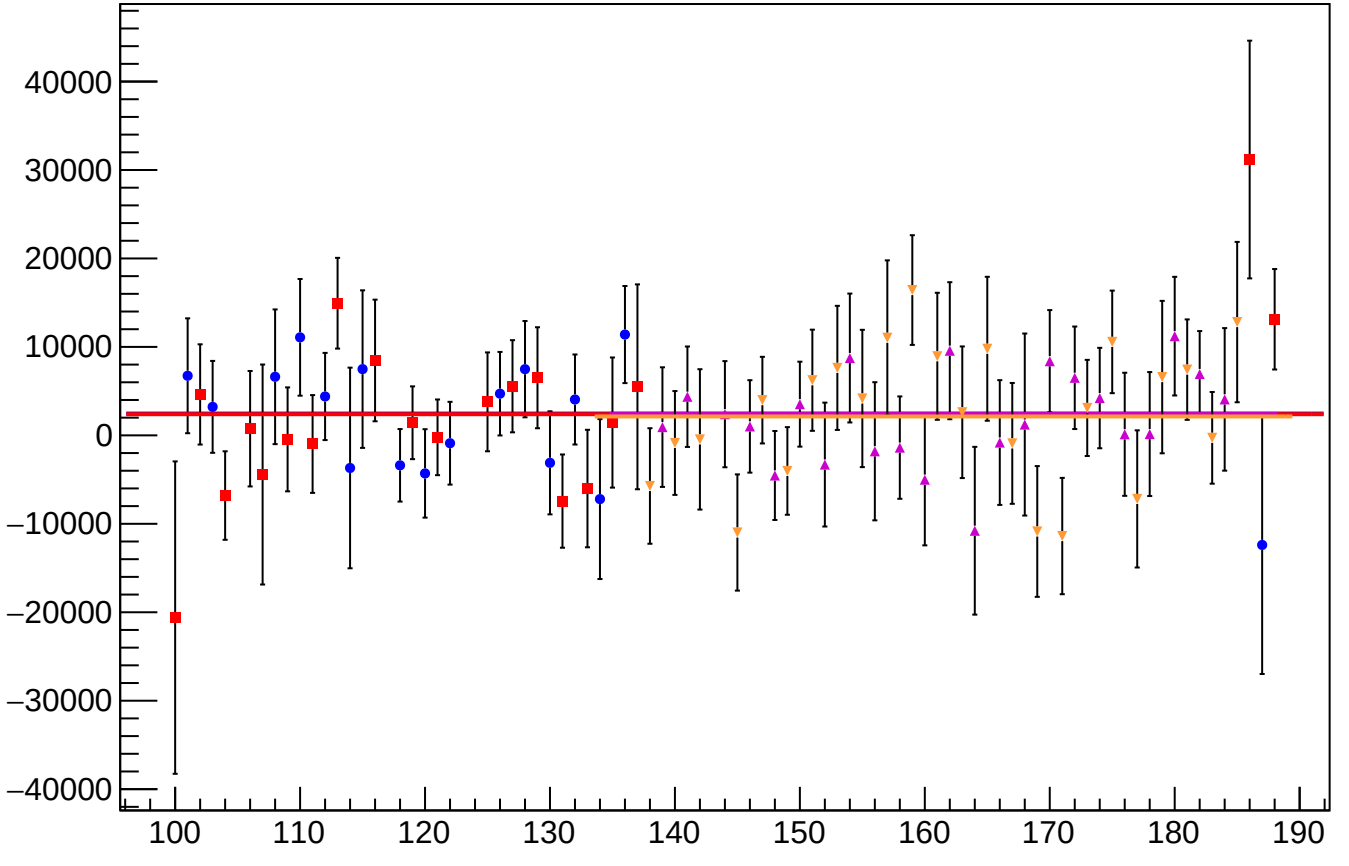
Right: 3446.693+/-0.627 χ^2/NDF: 1918304.9/36

In: 4479.825+/-0.657 χ^2/NDF:4710908.7/39

Out: 4429.357+/-0.634 χ^2/NDF:5193980.9/43

All: 4453.676+/-0.456 χ^2/NDF: 9907944.6/83

asym_usl_atl2_avg_mean vs Slug, Sign Corrected



Right In: 2460.091+/-1407.899 χ^2/NDF: 14.5/16

Left Out: 2138.140+/-1324.387 χ^2/NDF:30.7/23

Right Out: 2391.684+/-1336.893 χ^2/NDF: 27.7/19

Left In: 2428.059+/-1321.080 χ^2/NDF:12.9/22

Left: 2283.462+/-935.312 χ^2/NDF: 43.6/46

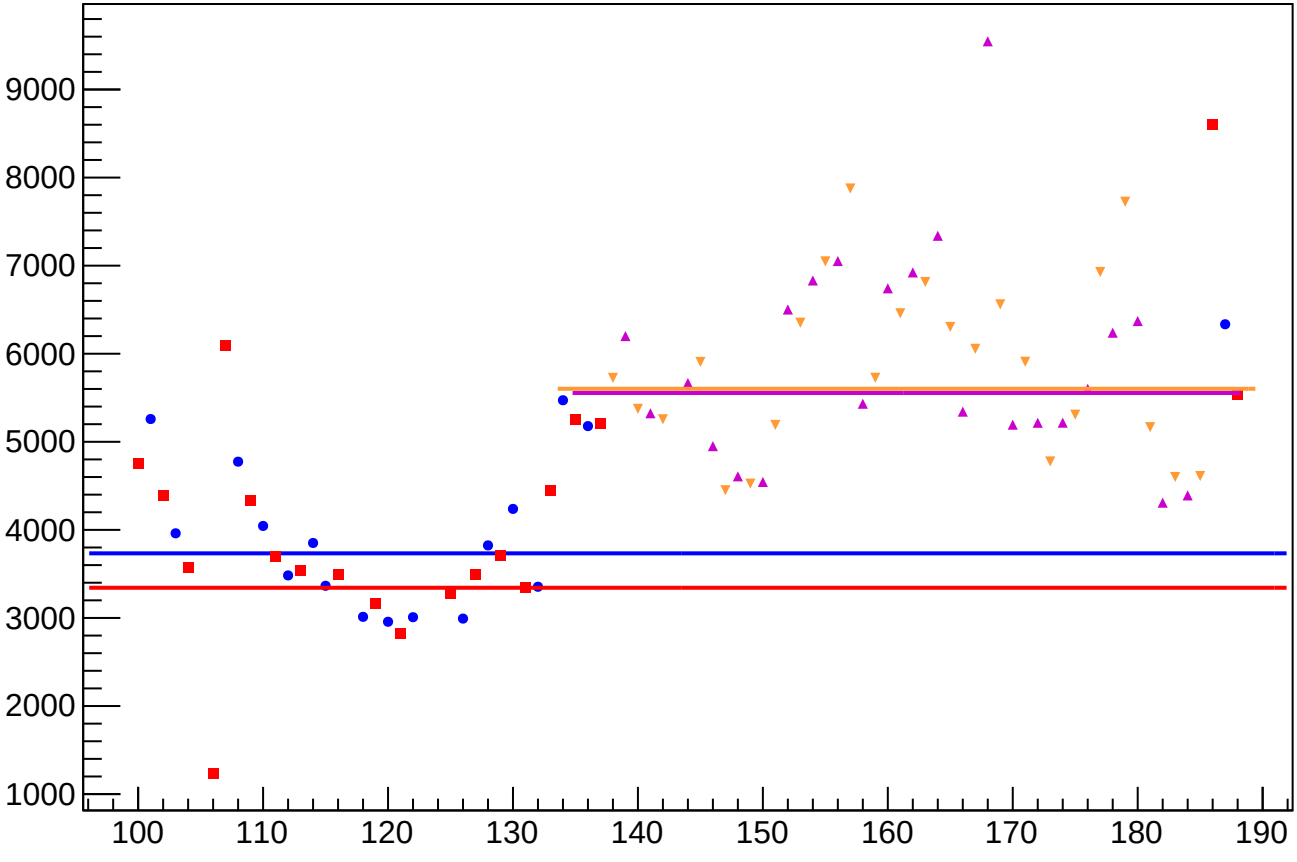
Right: 2424.119+/-969.457 χ^2/NDF: 42.2/36

In: 2443.057+/-963.376 χ^2/NDF:27.4/39

Out: 2263.720+/-940.873 χ^2/NDF:58.4/43

All: 2351.270+/-673.113 χ^2/NDF: 85.8/83

asym_usl_atl2_avg_rms vs Slug, Sign Corrected



Right In: 3733.597+/-0.996 χ^2/NDF: 674785.8/16

Left Out: 5602.266+/-0.936 χ^2/NDF:940451.0/23

Right Out: 3342.823+/-0.870 χ^2/NDF: 2244767.1/19

Left In: 5554.054+/-0.934 χ^2/NDF:1112177.4/22

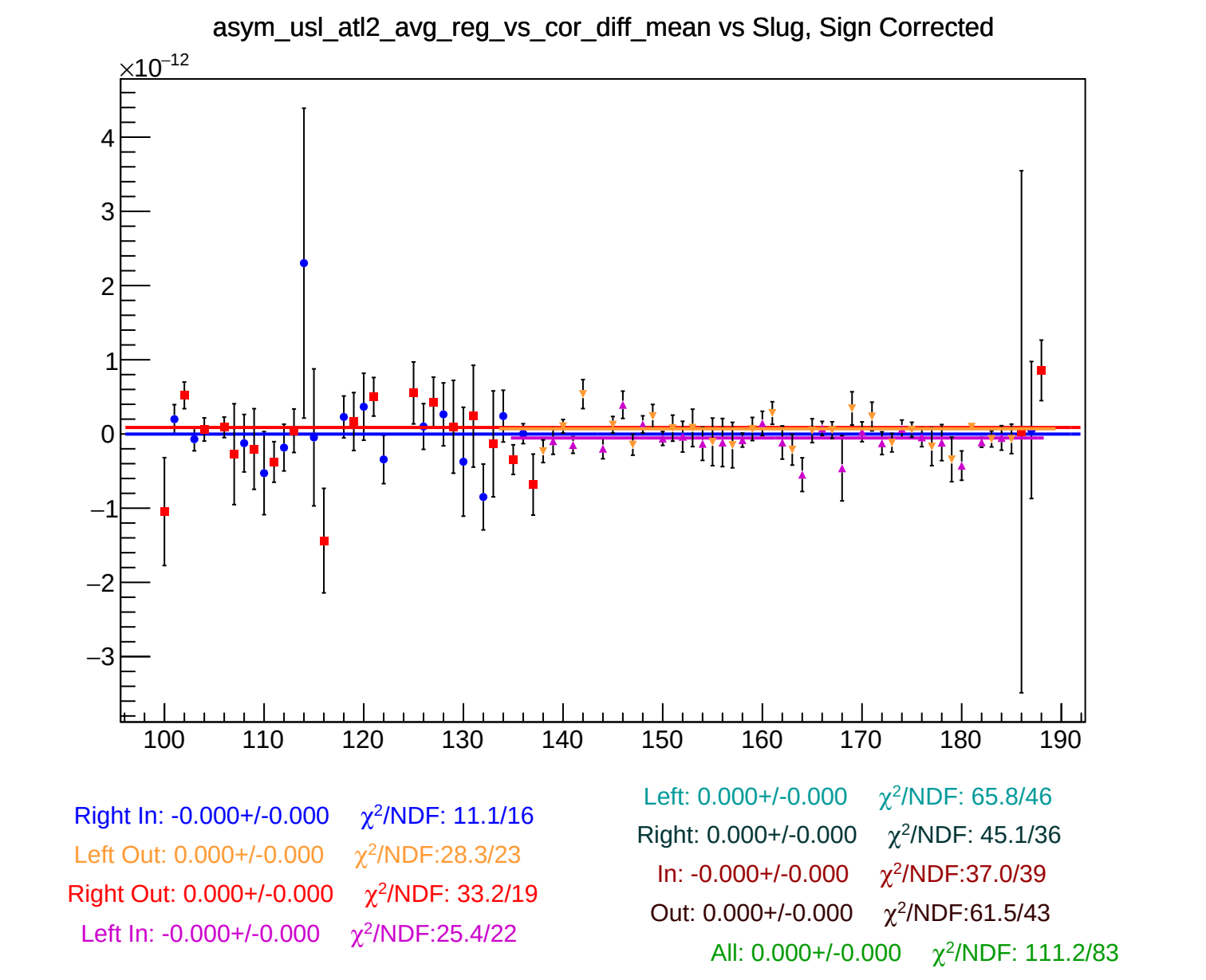
Left: 5578.100+/-0.661 χ^2/NDF: 2053956.9/46

Right: 3512.125+/-0.655 χ^2/NDF: 3006876.8/36

In: 4701.681+/-0.681 χ^2/NDF:3565170.7/39

Out: 4390.041+/-0.638 χ^2/NDF:6308309.9/43

All: 4535.556+/-0.465 χ^2/NDF: 9985045.3/83


asym_usl_atl2_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
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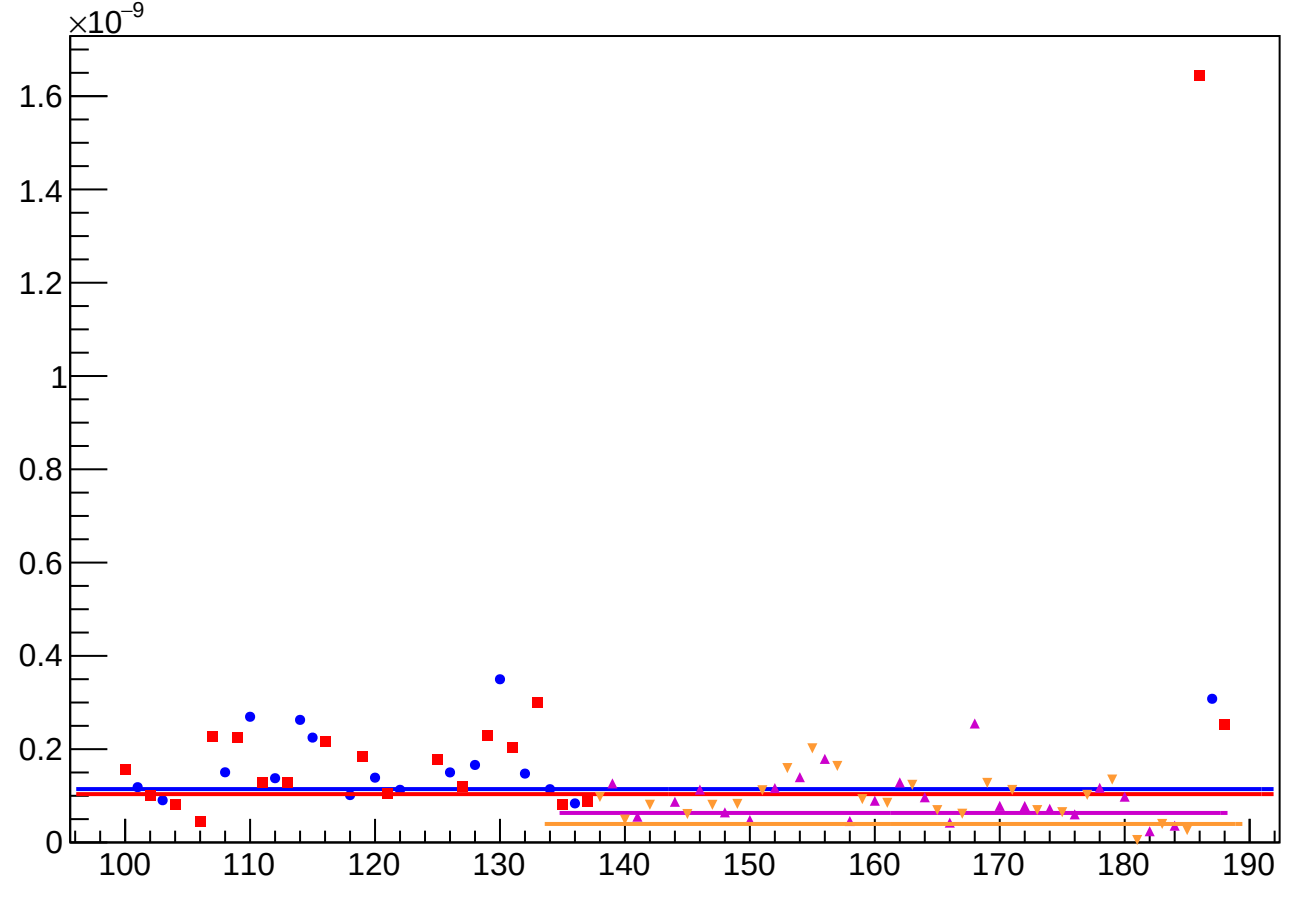
180
190
Right In: -0.000+/-0.000 χ²/NDF: 11.1/16
Left Out: 0.000+/-0.000 χ²/NDF:28.3/23
Right Out: 0.000+/-0.000 χ²/NDF: 33.2/19
Left In: -0.000+/-0.000 χ²/NDF:25.4/22
Left: 0.000+/-0.000 χ²/NDF: 65.8/46
Right: 0.000+/-0.000 χ²/NDF: 45.1/36
In: -0.000+/-0.000 χ²/NDF:37.0/39
Out: 0.000+/-0.000 χ²/NDF:61.5/43
All: 0.000+/-0.000 χ²/NDF: 111.2/83



Right In: 0.000+/-0.000 χ^2/NDF: 744221.5/16

Left Out: 0.000+/-0.000 χ^2/NDF:6954816.0/23

Right Out: 0.000+/-0.000 χ^2/NDF: 1762158.8/19

Left In: 0.000+/-0.000 χ^2/NDF:2922990.6/22

Left: 0.000+/-0.000 χ^2/NDF: 10753766.3/46

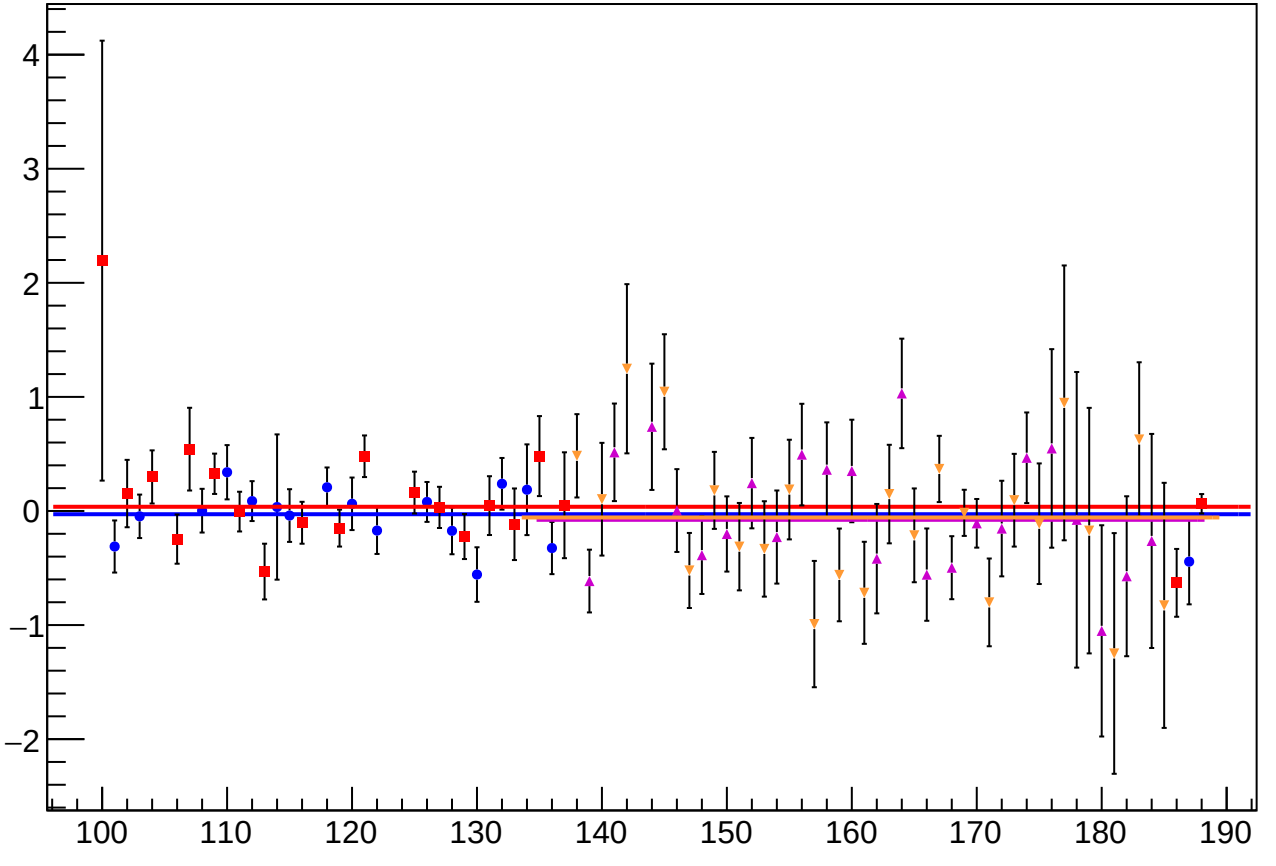
Right: 0.000+/-0.000 χ^2/NDF: 2531963.2/36

In: 0.000+/-0.000 χ^2/NDF:4584120.0/39

Out: 0.000+/-0.000 χ^2/NDF:10462504.4/43

All: 0.000+/-0.000 χ^2/NDF: 16079543.4/83

asym_usl_atl2_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.028+/-0.054 χ^2/NDF: 17.3/16

Left Out: -0.057+/-0.085 χ^2/NDF:30.4/23

Right Out: 0.037+/-0.044 χ^2/NDF: 31.5/19

Left In: -0.077+/-0.083 χ^2/NDF:27.0/22

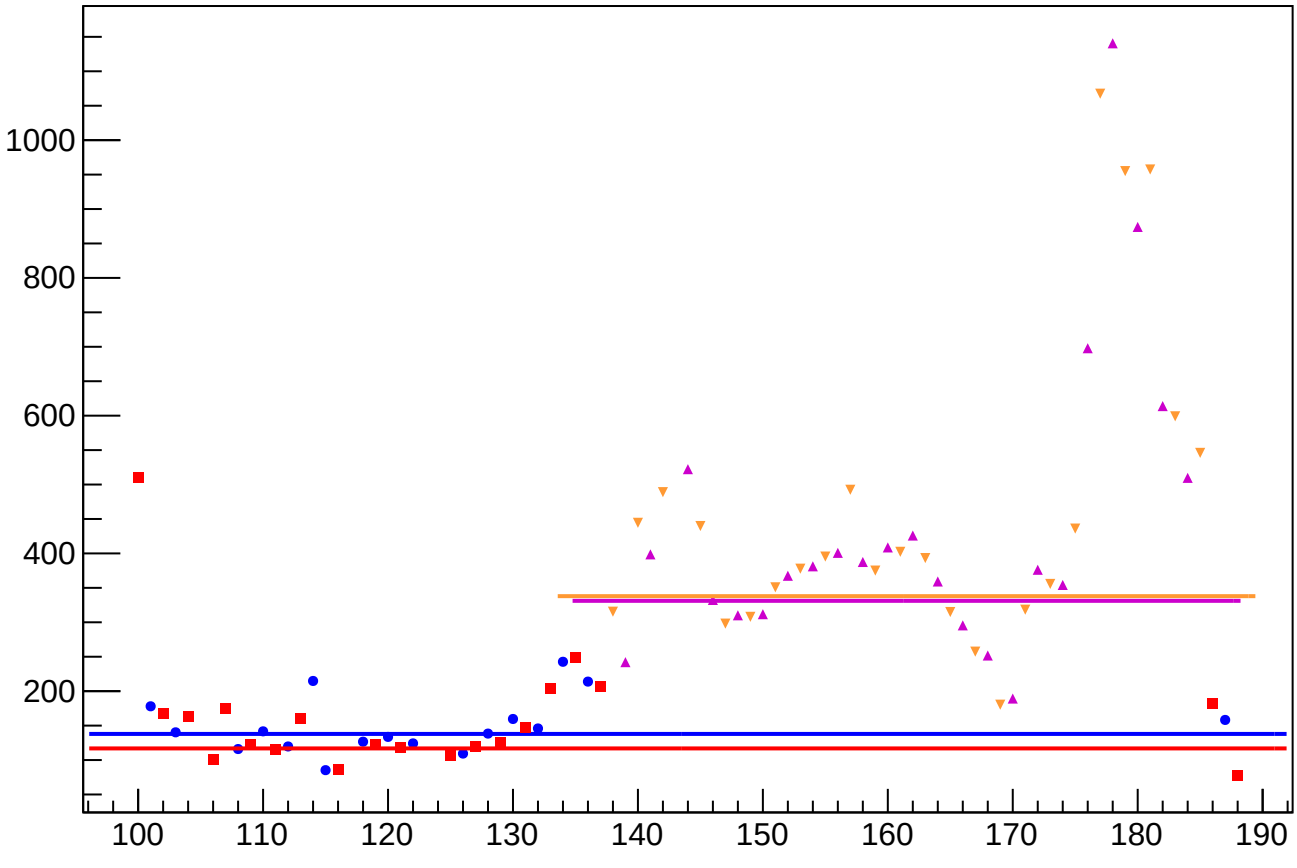
Left: -0.067+/-0.060 χ^2/NDF: 57.4/46

Right: 0.010+/-0.034 χ^2/NDF: 49.6/36

In: -0.043+/-0.045 χ^2/NDF:44.5/39

Out: 0.017+/-0.039 χ^2/NDF:62.8/43

All: -0.009+/-0.030 χ^2/NDF: 108.3/83



Right In: 137.918+/-0.038 χ^2/NDF: 698962.2/16

Left Out: 337.937+/-0.060 χ^2/NDF:4517129.8/23

Right Out: 116.866+/-0.031 χ^2/NDF: 1488021.0/19

Left In: 331.158+/-0.059 χ^2/NDF:4106959.8/22

Left: 334.465+/-0.042 χ^2/NDF: 8630534.0/46

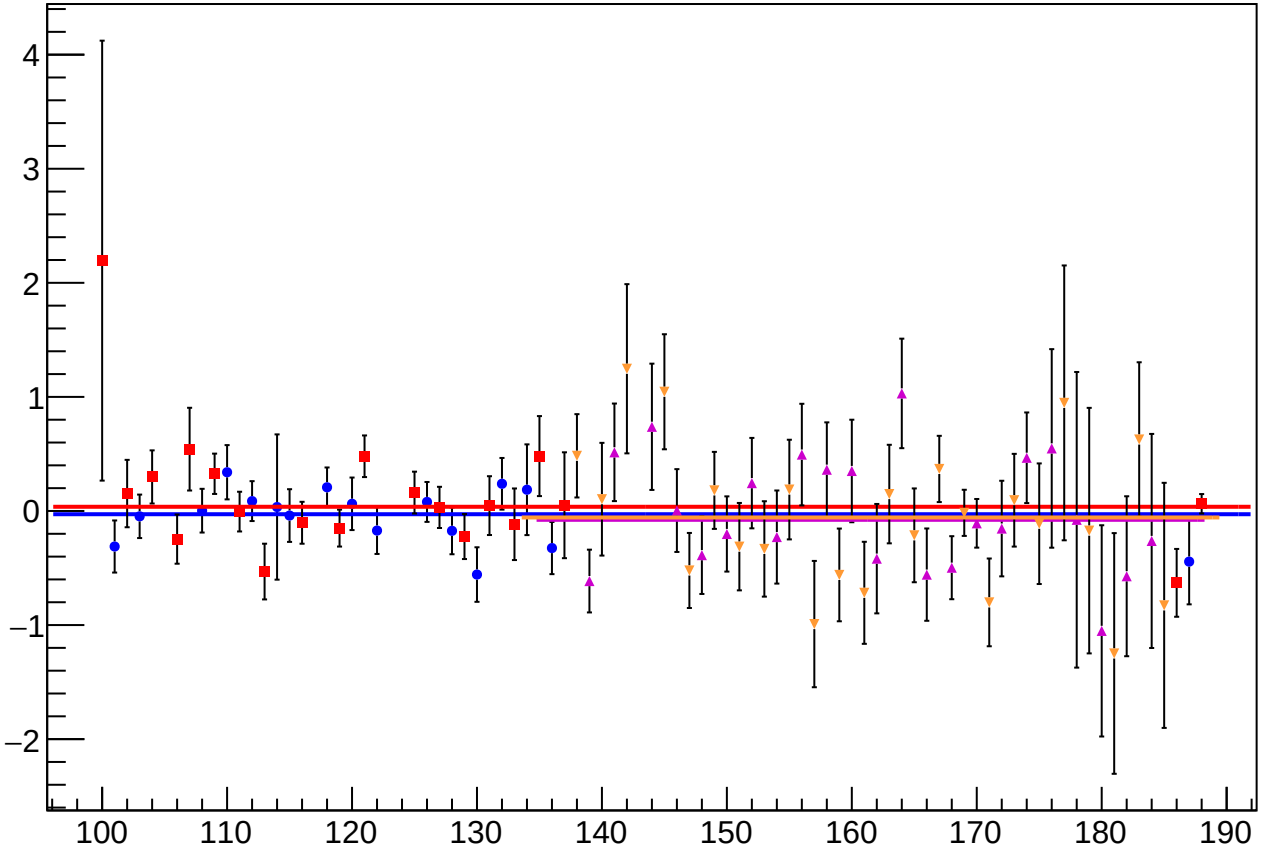
Right: 125.377+/-0.024 χ^2/NDF: 2370455.7/36

In: 194.461+/-0.032 χ^2/NDF:12398895.2/39

Out: 163.515+/-0.028 χ^2/NDF:16564527.4/43

All: 176.847+/-0.021 χ^2/NDF: 29498873.1/83

asym_usl_atl2_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.028+/-0.054 χ^2/NDF: 17.3/16

Left Out: -0.057+/-0.085 χ^2/NDF:30.4/23

Right Out: 0.037+/-0.044 χ^2/NDF: 31.5/19

Left In: -0.077+/-0.083 χ^2/NDF:27.0/22

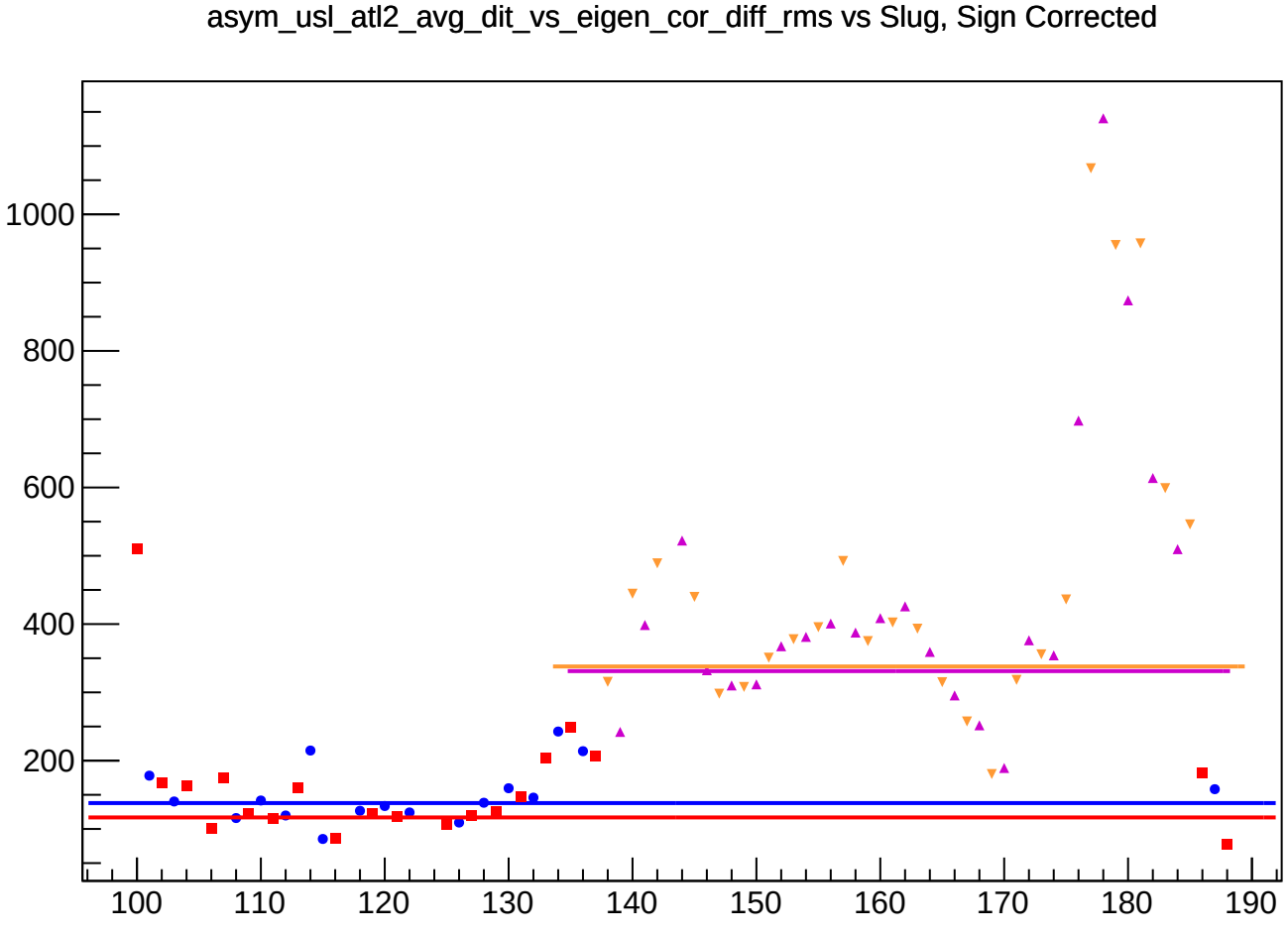
Left: -0.067+/-0.060 χ^2/NDF: 57.4/46

Right: 0.010+/-0.034 χ^2/NDF: 49.6/36

In: -0.043+/-0.045 χ^2/NDF:44.5/39

Out: 0.017+/-0.039 χ^2/NDF:62.8/43

All: -0.009+/-0.030 χ^2/NDF: 108.3/83



Right In: 137.918+/-0.038 χ^2/NDF: 698962.2/16

Left Out: 337.937+/-0.060 χ^2/NDF:4517129.8/23

Right Out: 116.866+/-0.031 χ^2/NDF: 1488021.0/19

Left In: 331.158+/-0.059 χ^2/NDF:4106959.8/22

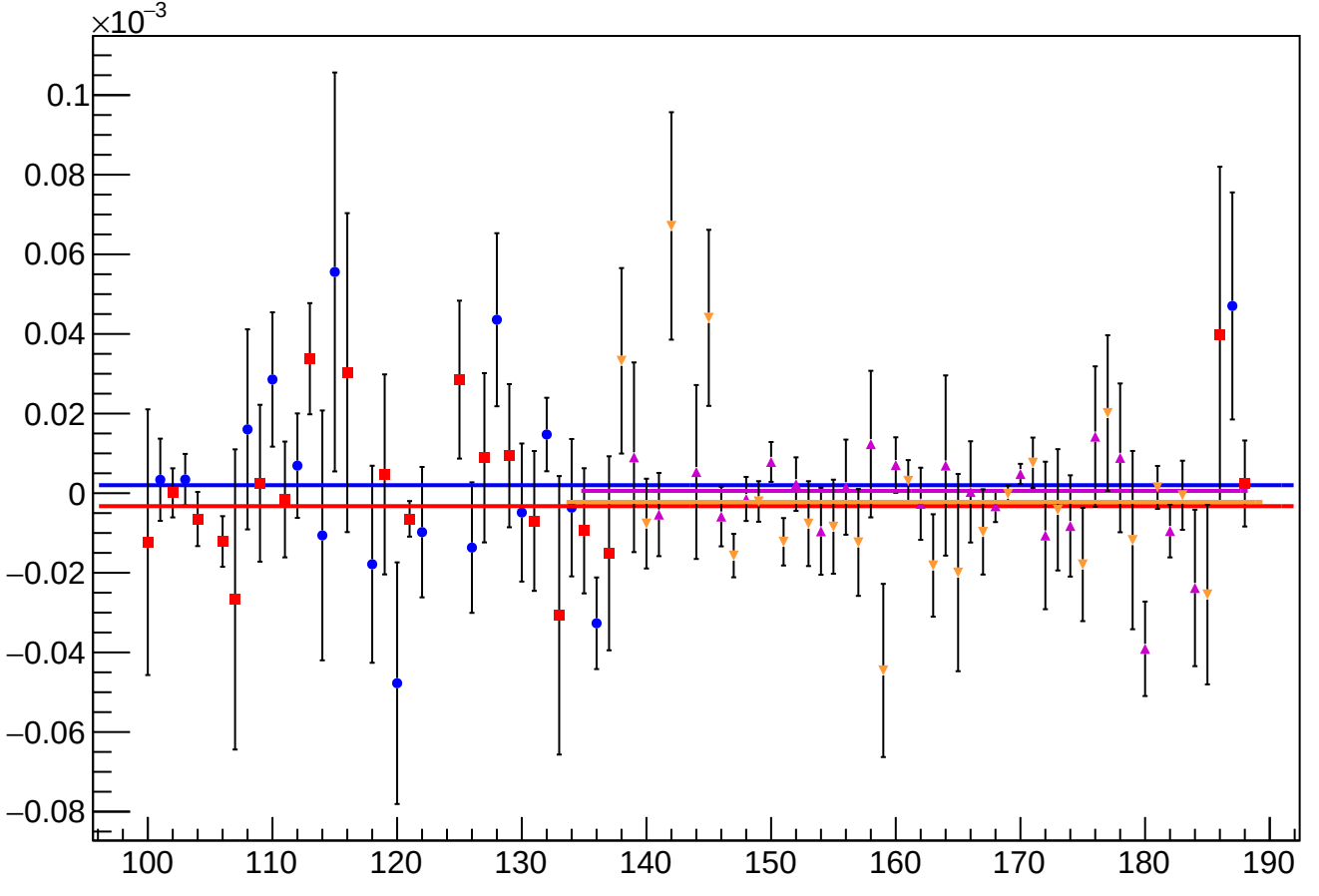
Left: 334.465+/-0.042 χ^2/NDF: 8630534.0/46

Right: 125.377+/-0.024 χ^2/NDF: 2370455.7/36

In: 194.461+/-0.032 χ^2/NDF:12398895.2/39

Out: 163.515+/-0.028 χ^2/NDF:16564527.4/43

All: 176.847+/-0.021 χ^2/NDF: 29498873.1/83



Right In: 0.000+/-0.000 χ^2/NDF: 26.5/16

Left Out: -0.000+/-0.000 χ^2/NDF:37.9/23

Right Out: -0.000+/-0.000 χ^2/NDF: 17.1/19

Left In: 0.000+/-0.000 χ^2/NDF:26.2/22

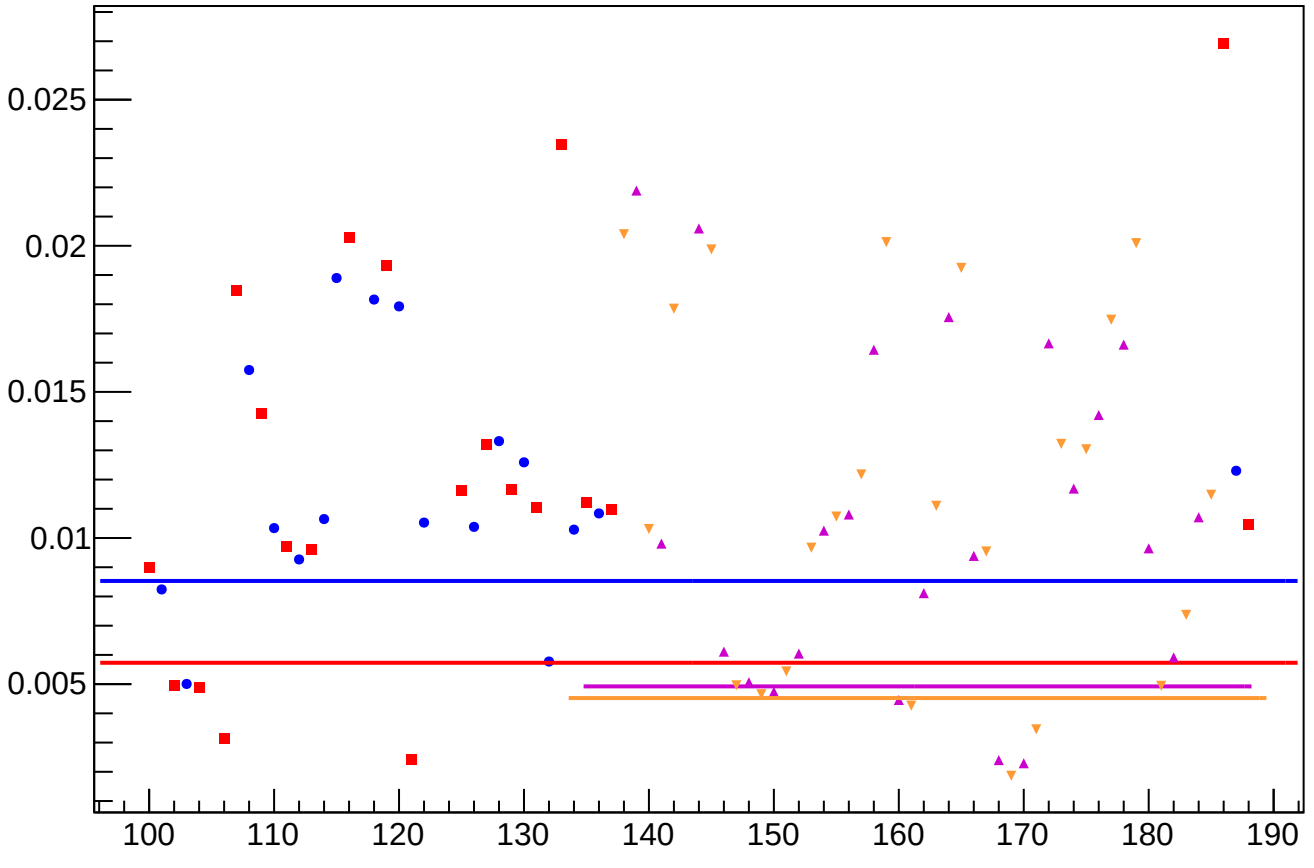
Left: -0.000+/-0.000 χ^2/NDF: 65.9/46

Right: -0.000+/-0.000 χ^2/NDF: 45.2/36

In: 0.000+/-0.000 χ^2/NDF:52.8/39

Out: -0.000+/-0.000 χ^2/NDF:55.2/43

All: -0.000+/-0.000 χ^2/NDF: 111.2/83



Right In: 0.009+/-0.000 χ^2/NDF: 1961462.8/16

Left Out: 0.005+/-0.000 χ^2/NDF:14239550.6/23

Right Out: 0.006+/-0.000 χ^2/NDF: 5832086.2/19

Left In: 0.005+/-0.000 χ^2/NDF:11626984.8/22

Left: 0.005+/-0.000 χ^2/NDF: 25942497.2/46

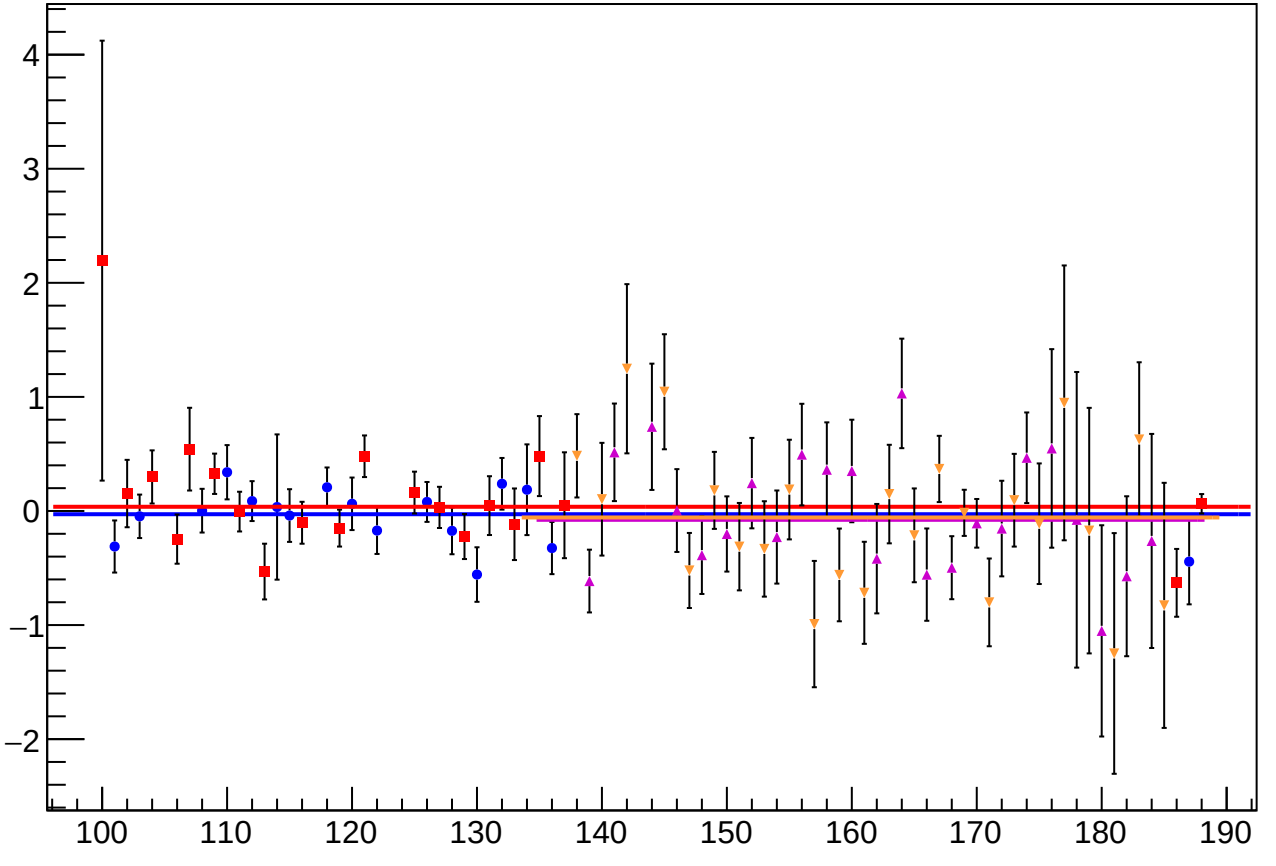
Right: 0.007+/-0.000 χ^2/NDF: 8676656.8/36

In: 0.005+/-0.000 χ^2/NDF:15455181.1/39

Out: 0.005+/-0.000 χ^2/NDF:20436325.3/43

All: 0.005+/-0.000 χ^2/NDF: 36166718.4/83

asym_usl_atl2_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.028+/-0.054 χ^2/NDF: 17.3/16

Left Out: -0.057+/-0.085 χ^2/NDF:30.4/23

Right Out: 0.037+/-0.044 χ^2/NDF: 31.5/19

Left In: -0.077+/-0.083 χ^2/NDF:27.0/22

Left: -0.067+/-0.060 χ^2/NDF: 57.4/46

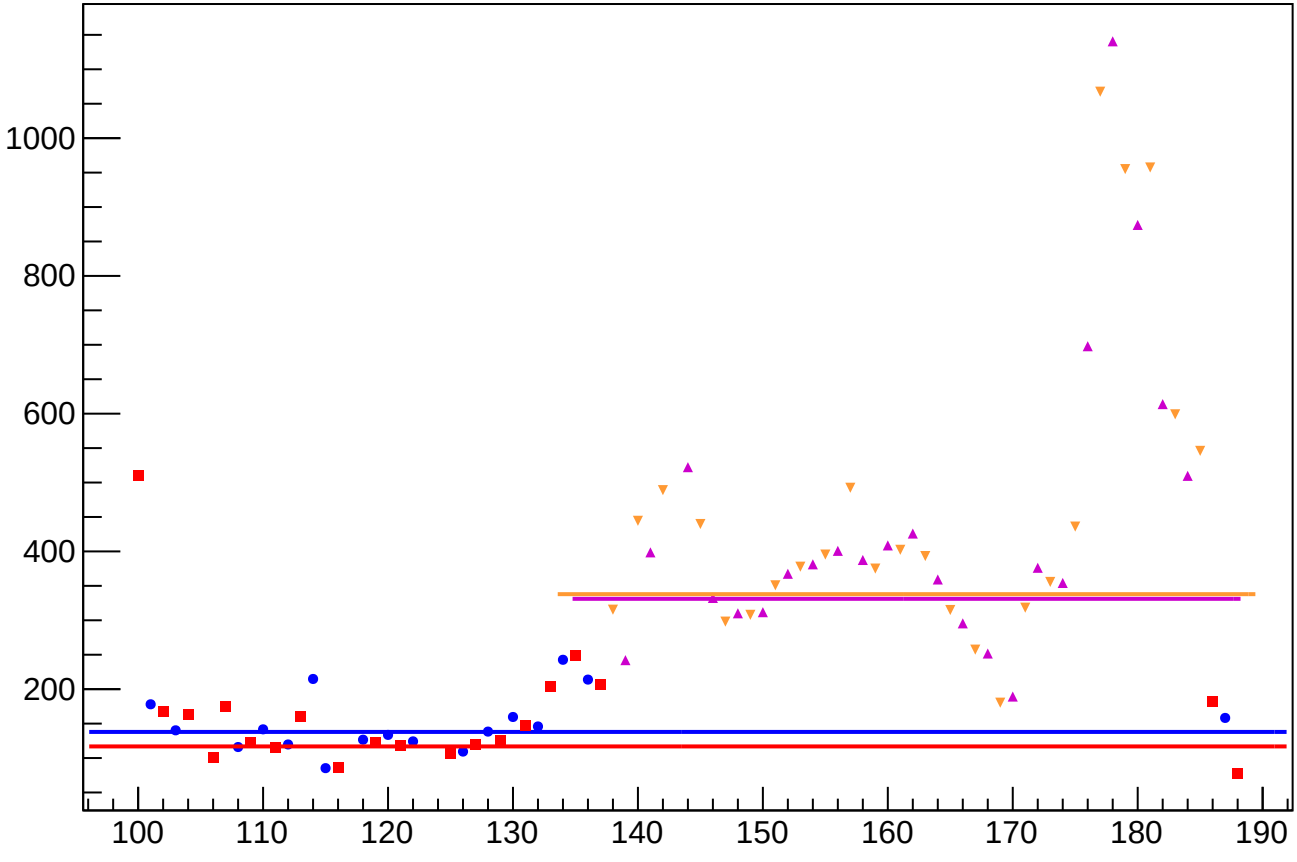
Right: 0.010+/-0.034 χ^2/NDF: 49.6/36

In: -0.043+/-0.045 χ^2/NDF:44.5/39

Out: 0.017+/-0.039 χ^2/NDF:62.8/43

All: -0.009+/-0.030 χ^2/NDF: 108.3/83

asym_usl_atl2_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 137.918+/-0.038 χ^2/NDF: 698940.5/16

Left Out: 337.939+/-0.060 χ^2/NDF:4517201.8/23

Right Out: 116.864+/-0.031 χ^2/NDF: 1488076.1/19

Left In: 331.161+/-0.059 χ^2/NDF:4106963.1/22

Left: 334.468+/-0.042 χ^2/NDF: 8630607.3/46

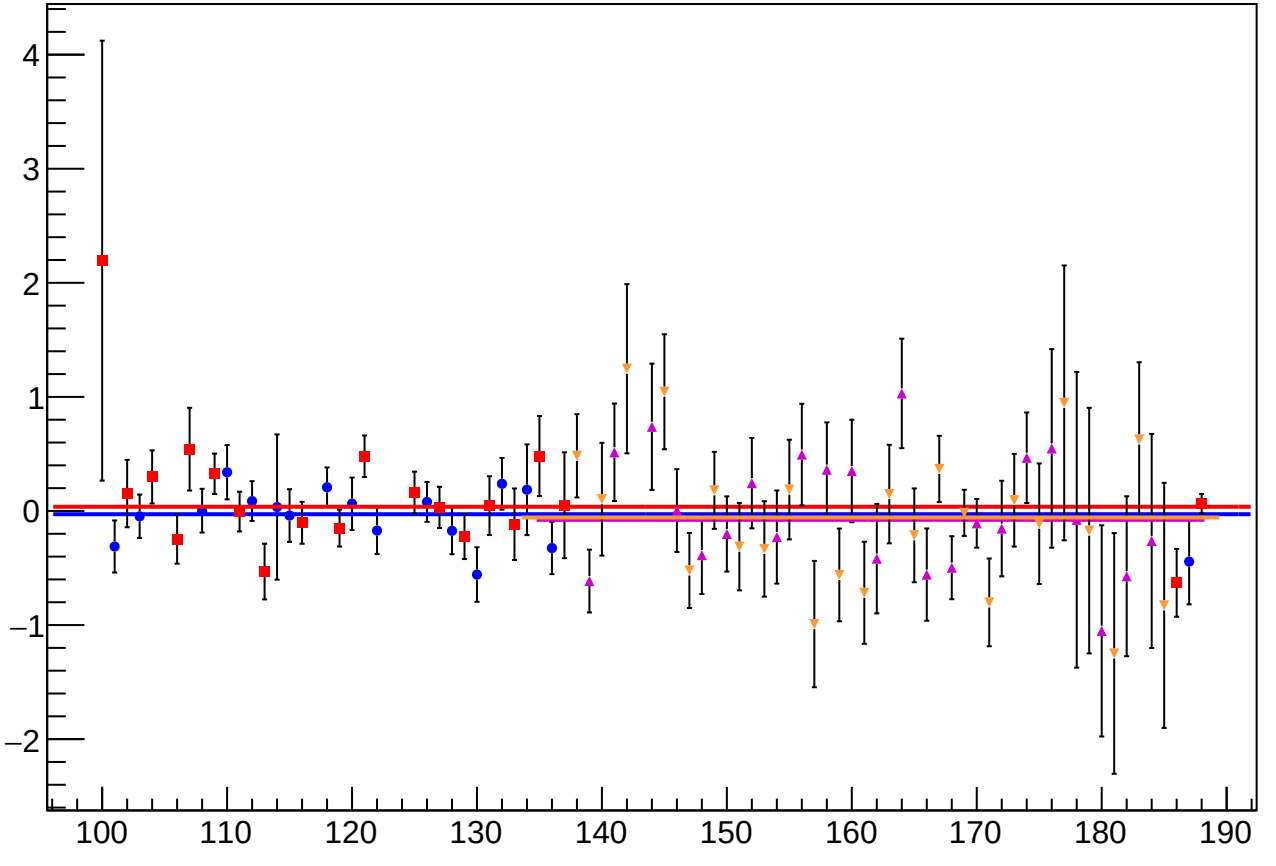
Right: 125.376+/-0.024 χ^2/NDF: 2370527.5/36

In: 194.461+/-0.032 χ^2/NDF:12399015.9/39

Out: 163.512+/-0.028 χ^2/NDF:16565002.2/43

All: 176.845+/-0.021 χ^2/NDF: 29499573.9/83

asym_usl_atl2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.028+/-0.054 χ^2/NDF: 17.3/16

Left Out: -0.057+/-0.085 χ^2/NDF:30.4/23

Right Out: 0.037+/-0.044 χ^2/NDF: 31.5/19

Left In: -0.077+/-0.083 χ^2/NDF:27.0/22

Left: -0.067+/-0.060 χ^2/NDF: 57.4/46

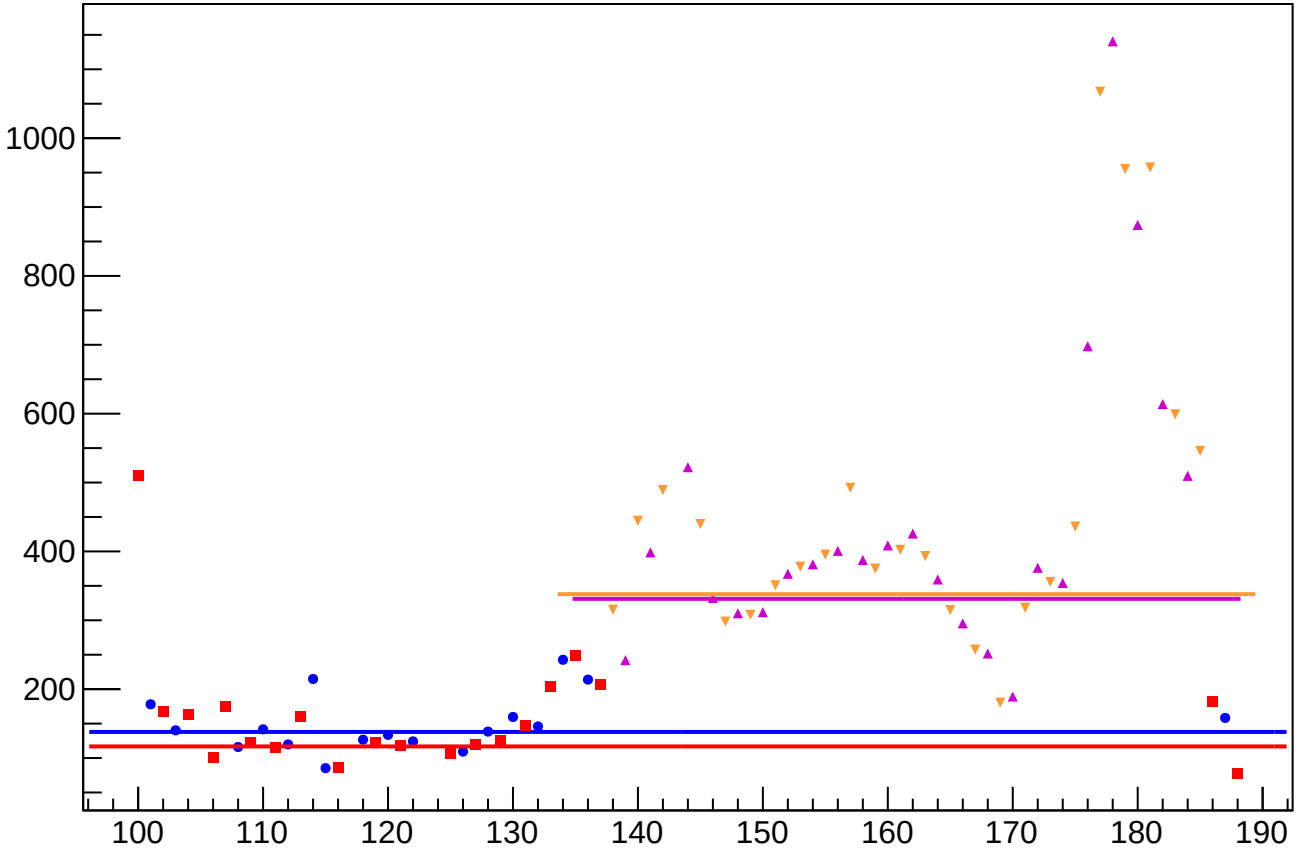
Right: 0.010+/-0.034 χ^2/NDF: 49.6/36

In: -0.043+/-0.045 χ^2/NDF:44.5/39

Out: 0.017+/-0.039 χ^2/NDF:62.8/43

All: -0.009+/-0.030 χ^2/NDF: 108.3/83

asym_usl_atl2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 137.918+/-0.038 χ^2/NDF: 698940.5/16

Left Out: 337.939+/-0.060 χ^2/NDF:4517201.8/23

Right Out: 116.864+/-0.031 χ^2/NDF: 1488076.1/19

Left In: 331.161+/-0.059 χ^2/NDF:4106963.1/22

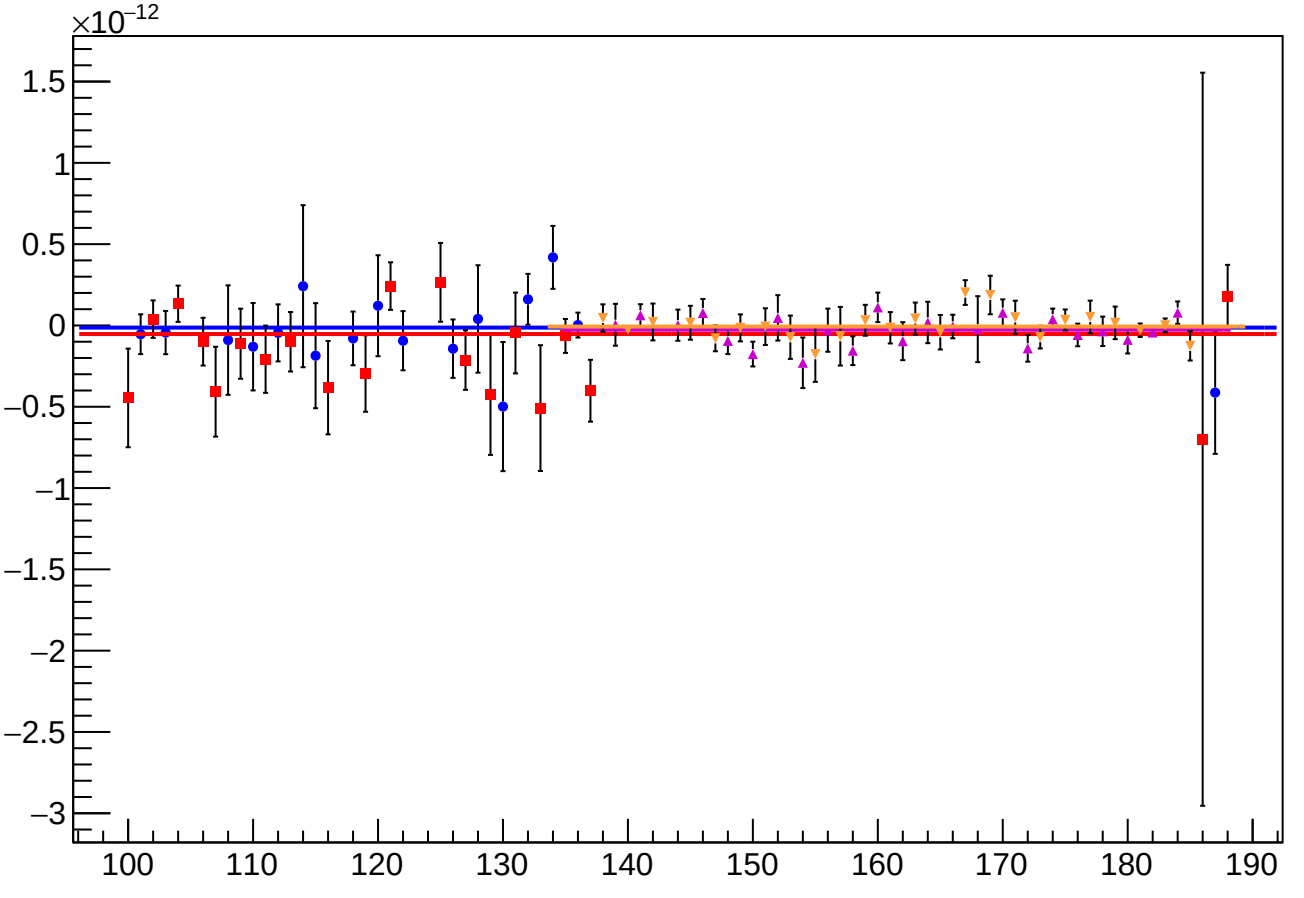
Left: 334.468+/-0.042 χ^2/NDF: 8630607.3/46

Right: 125.376+/-0.024 χ^2/NDF: 2370527.5/36

In: 194.461+/-0.032 χ^2/NDF:12399015.9/39

Out: 163.512+/-0.028 χ^2/NDF:16565002.2/43

All: 176.845+/-0.021 χ^2/NDF: 29499573.9/83



Right In: -0.000+/-0.000 χ^2/NDF: 11.0/16

Left Out: -0.000+/-0.000 χ^2/NDF:18.1/23

Right Out: -0.000+/-0.000 χ^2/NDF: 23.7/19

Left In: -0.000+/-0.000 χ^2/NDF:22.8/22

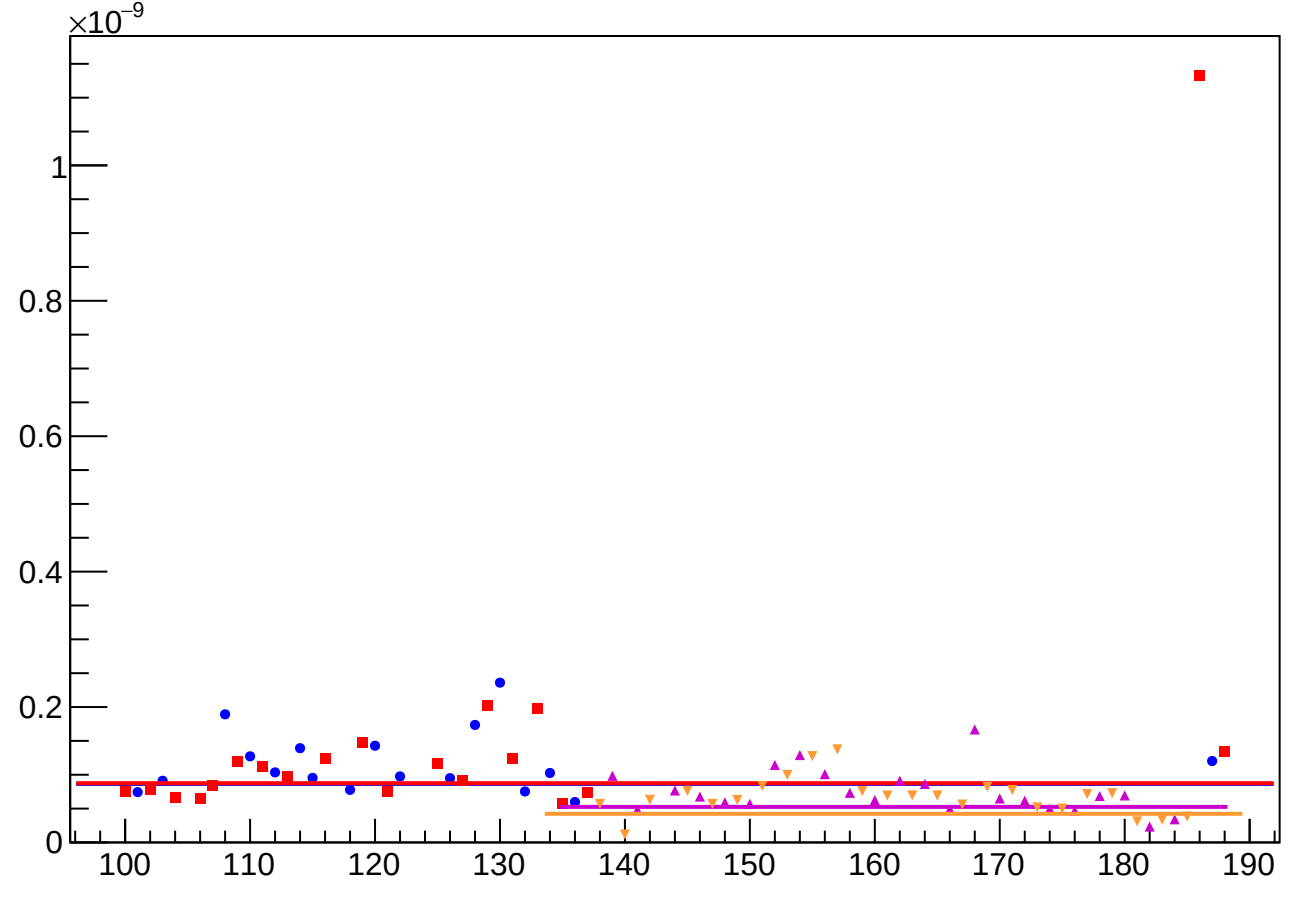
Left: -0.000+/-0.000 χ^2/NDF: 41.7/46

Right: -0.000+/-0.000 χ^2/NDF: 35.1/36

In: -0.000+/-0.000 χ^2/NDF:33.8/39

Out: -0.000+/-0.000 χ^2/NDF:42.9/43

All: -0.000+/-0.000 χ^2/NDF: 77.1/83



Right In: 0.000+/-0.000 χ^2/NDF: 1088364.3/16

Left Out: 0.000+/-0.000 χ^2/NDF:6680117.5/23

Right Out: 0.000+/-0.000 χ^2/NDF: 1530703.8/19

Left In: 0.000+/-0.000 χ^2/NDF:4897147.5/22

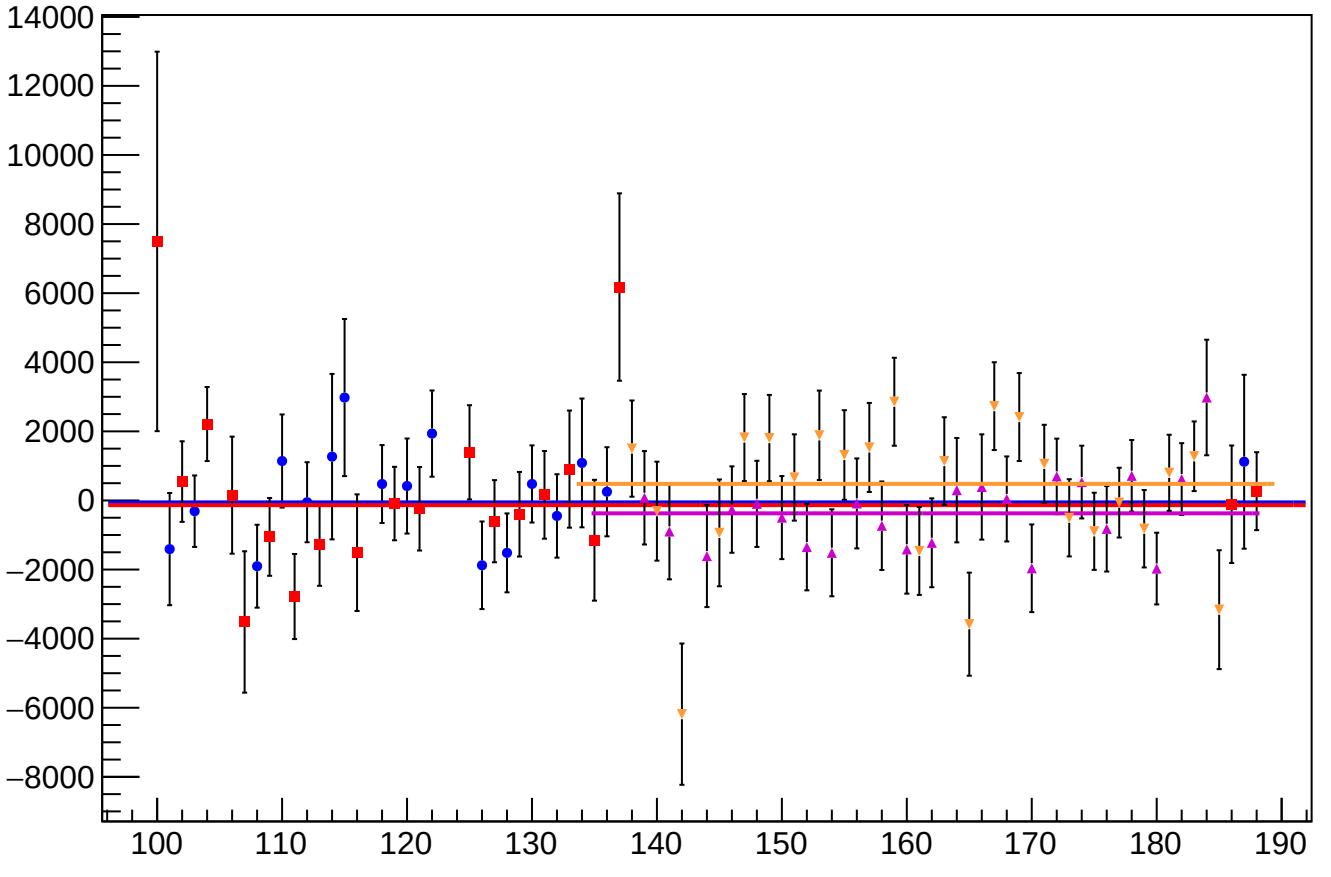
Left: 0.000+/-0.000 χ^2/NDF: 12028477.0/46

Right: 0.000+/-0.000 χ^2/NDF: 2619601.6/36

In: 0.000+/-0.000 χ^2/NDF:7116715.4/39

Out: 0.000+/-0.000 χ^2/NDF:10391359.3/43

All: 0.000+/-0.000 χ^2/NDF: 17959042.4/83



Right In: -56.177+/-323.520 χ^2/NDF: 13.6/16

Left Out: 479.555+/-256.330 χ^2/NDF:45.2/23

Right Out: -135.543+/-304.485 χ^2/NDF: 24.5/19

Left In: -372.926+/-259.314 χ^2/NDF:16.0/22

Left: 58.248+/-182.298 χ^2/NDF: 66.7/46

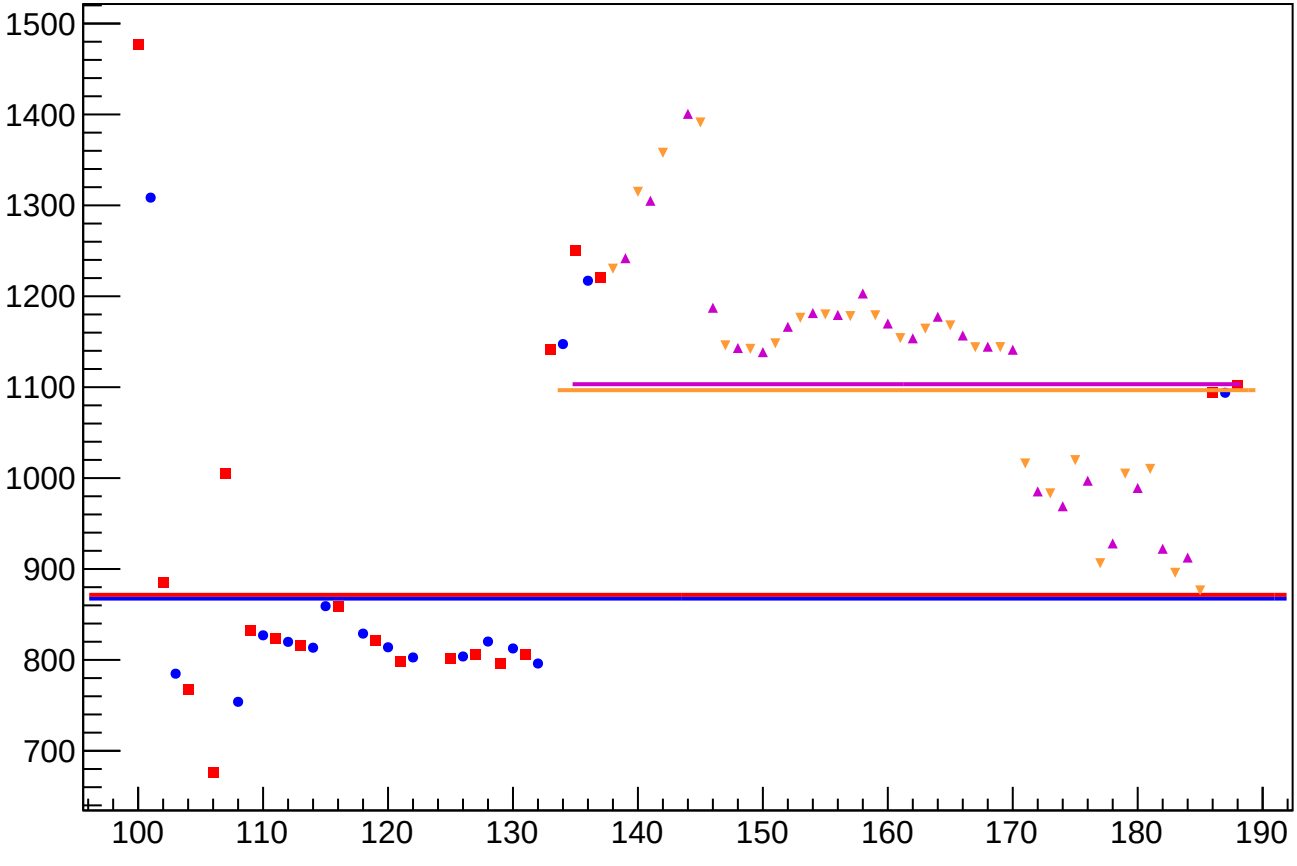
Right: -98.264+/-221.728 χ^2/NDF: 38.1/36

In: -249.027+/-202.338 χ^2/NDF:30.2/39

Out: 224.436+/-196.095 χ^2/NDF:72.1/43

All: -4.878+/-140.815 χ^2/NDF: 105.1/83

reg_asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 867.465+/-0.229 χ^2/NDF: 423951.0/16

Left Out: 1096.711+/-0.181 χ^2/NDF:480498.6/23

Right Out: 871.604+/-0.213 χ^2/NDF: 438551.1/19

Left In: 1103.281+/-0.183 χ^2/NDF:447540.4/22

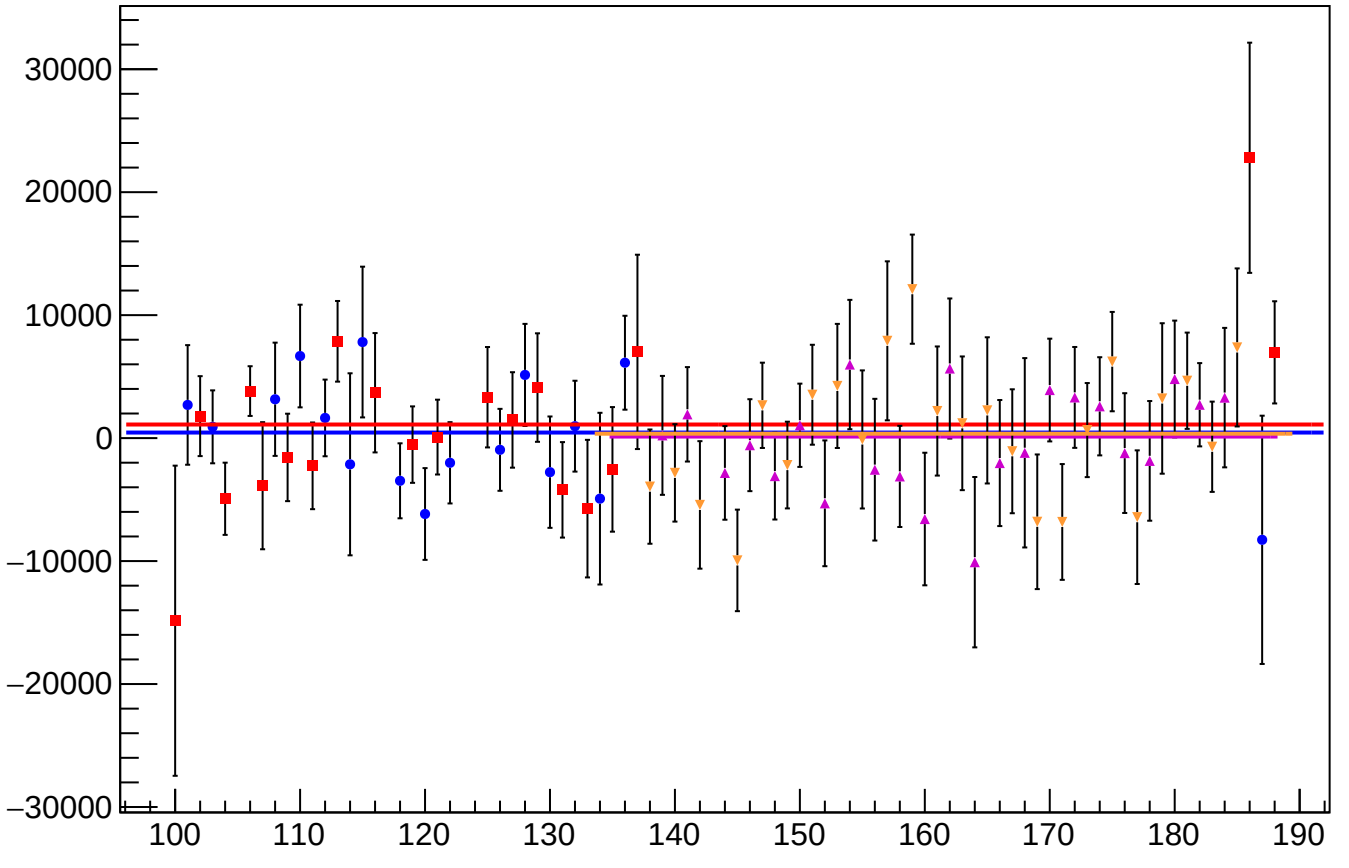
Left: 1099.958+/-0.129 χ^2/NDF: 928688.2/46

Right: 869.683+/-0.156 χ^2/NDF: 862677.6/36

In: 1011.039+/-0.143 χ^2/NDF:1518451.5/39

Out: 1002.125+/-0.138 χ^2/NDF:1567156.1/43

All: 1006.422+/-0.099 χ^2/NDF: 3087618.1/83



Right In: 452.079+/-976.687 χ^2/NDF: 15.4/16

Left Out: 357.729+/-934.220 χ^2/NDF:30.3/23

Right Out: 1105.389+/-843.375 χ^2/NDF: 27.6/19

Left In: 126.696+/-932.645 χ^2/NDF:13.8/22

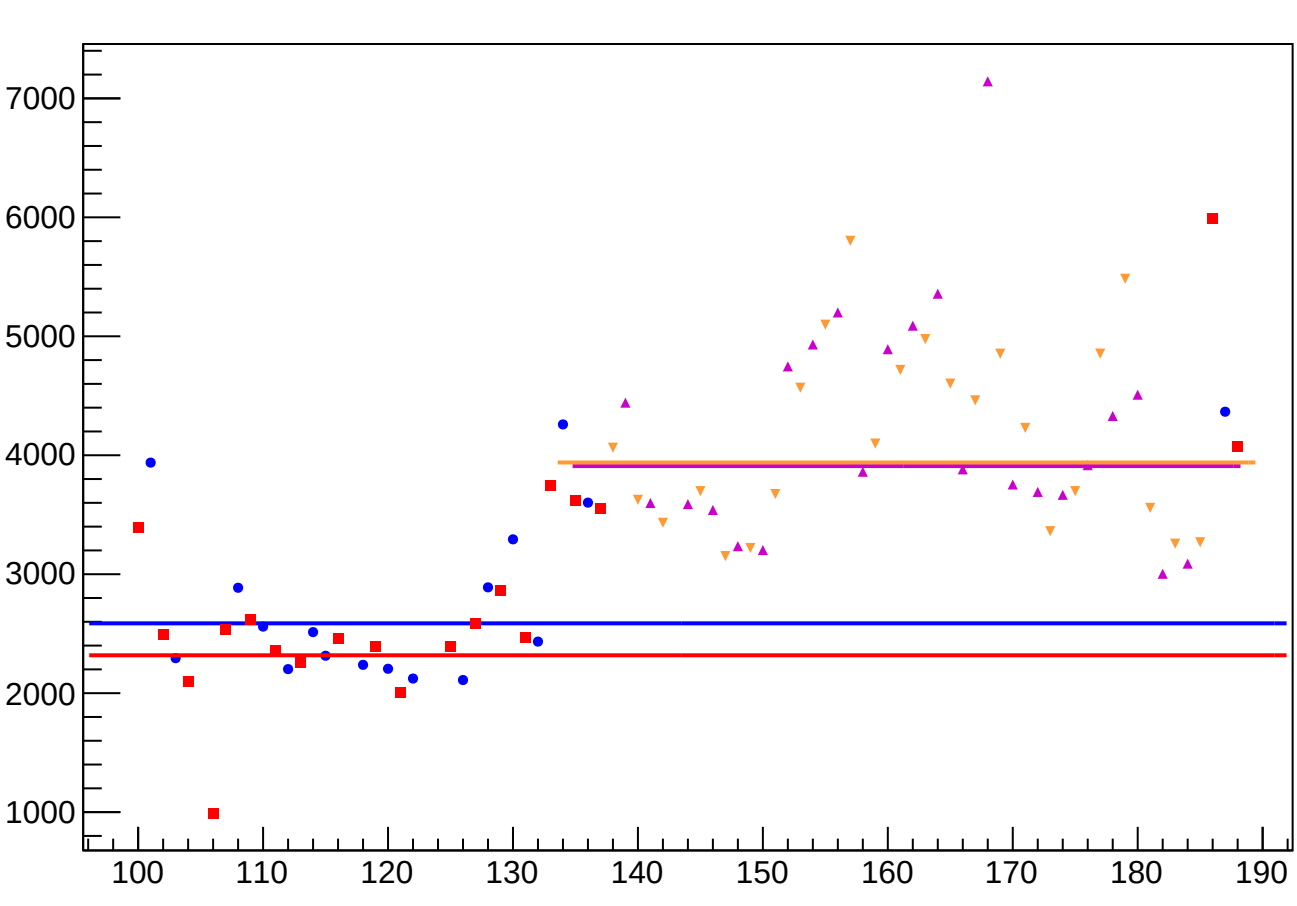
Left: 242.018+/-660.036 χ^2/NDF: 44.1/46

Right: 826.331+/-638.327 χ^2/NDF: 43.3/36

In: 281.886+/-674.512 χ^2/NDF:29.2/39

Out: 769.669+/-626.016 χ^2/NDF:58.2/43

All: 543.942+/-458.848 χ^2/NDF: 87.7/83



Right In: 2586.943+/-0.691 χ^2/NDF: 725171.2/16

Left Out: 3939.261+/-0.661 χ^2/NDF:1092666.9/23

Right Out: 2318.568+/-0.596 χ^2/NDF: 1958622.7/19

Left In: 3909.133+/-0.659 χ^2/NDF:1300774.2/22

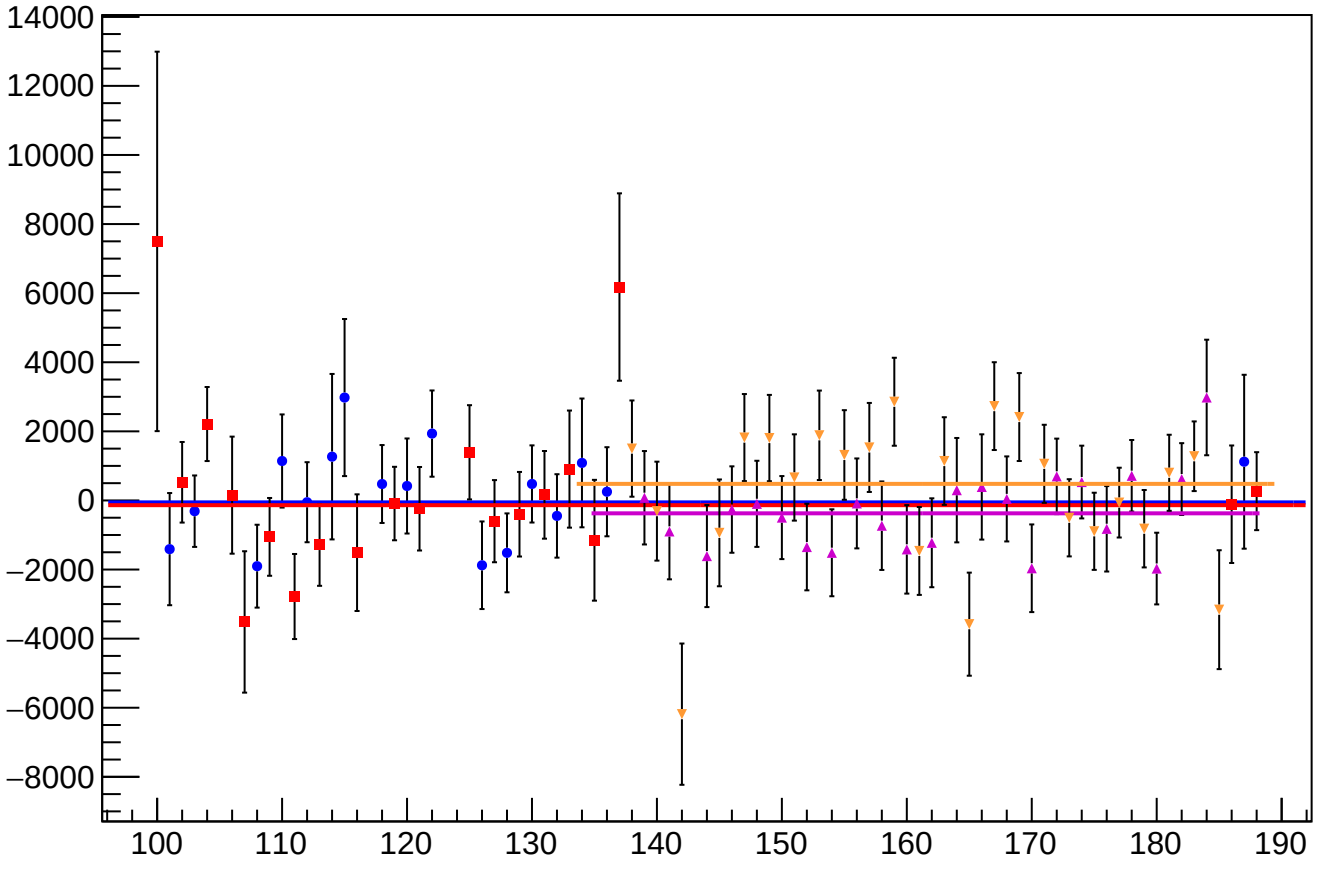
Left: 3924.172+/-0.467 χ^2/NDF: 2394482.8/46

Right: 2433.203+/-0.451 χ^2/NDF: 2770300.5/36

In: 3278.520+/-0.477 χ^2/NDF:3943084.6/39

Out: 3046.303+/-0.443 χ^2/NDF:6367663.0/43

All: 3153.765+/-0.324 χ^2/NDF: 10438099.4/8



Right In: -56.253+/-323.520 χ^2/NDF: 13.6/16

Left Out: 479.583+/-256.330 χ^2/NDF:45.2/23

Right Out: -137.003+/-304.490 χ^2/NDF: 24.5/19

Left In: -372.901+/-259.314 χ^2/NDF:16.0/22

Left: 58.275+/-182.298 χ^2/NDF: 66.7/46

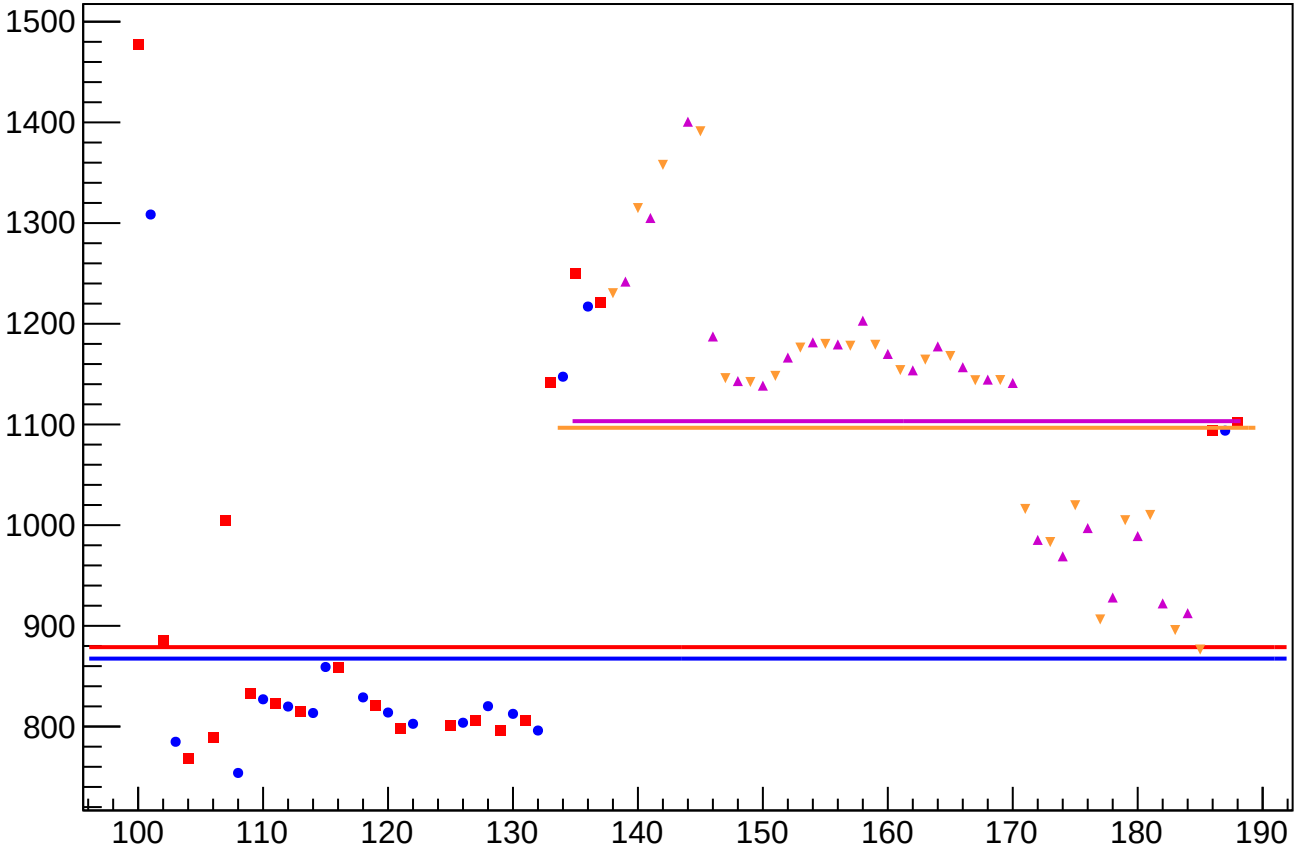
Right: -99.073+/-221.729 χ^2/NDF: 38.1/36

In: -249.041+/-202.338 χ^2/NDF:30.2/39

Out: 223.851+/-196.096 χ^2/NDF:72.1/43

All: -5.188+/-140.816 χ^2/NDF: 105.1/83

cor_asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 867.465+/-0.229 χ^2/NDF: 423950.7/16

Left Out: 1096.711+/-0.181 χ^2/NDF:480498.6/23

Right Out: 878.856+/-0.214 χ^2/NDF: 398124.7/19

Left In: 1103.281+/-0.183 χ^2/NDF:447540.3/22

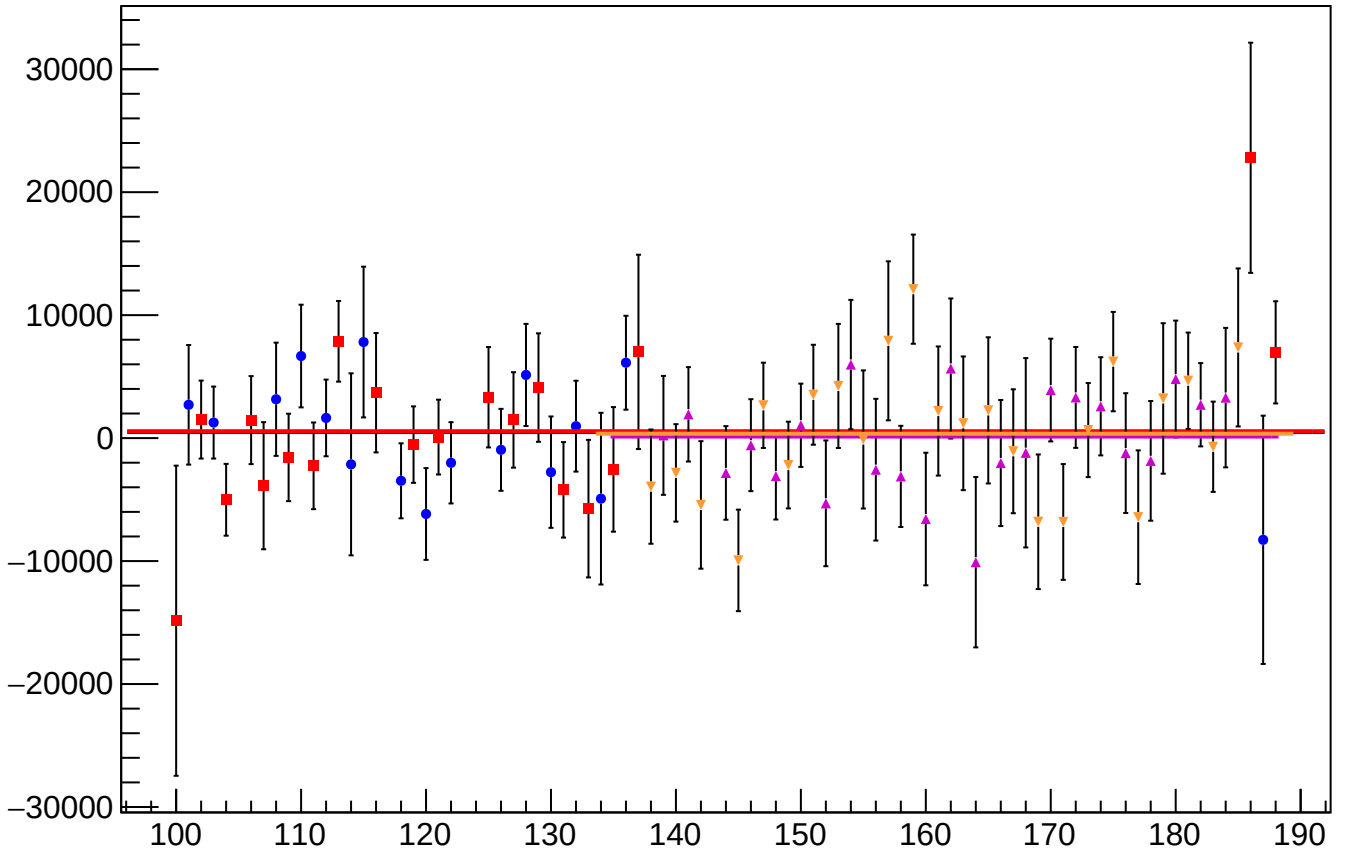
Left: 1099.958+/-0.129 χ^2/NDF: 928688.1/46

Right: 873.531+/-0.156 χ^2/NDF: 823395.9/36

In: 1011.039+/-0.143 χ^2/NDF:1518451.6/39

Out: 1005.864+/-0.138 χ^2/NDF:1481061.3/43

All: 1008.365+/-0.099 χ^2/NDF: 3000188.8/83



Right In: 492.400+/-975.273 χ^2/NDF: 15.5/16

Left Out: 357.728+/-934.221 χ^2/NDF:30.3/23

Right Out: 560.249+/-896.082 χ^2/NDF: 25.6/19

Left In: 126.635+/-932.644 χ^2/NDF:13.8/22

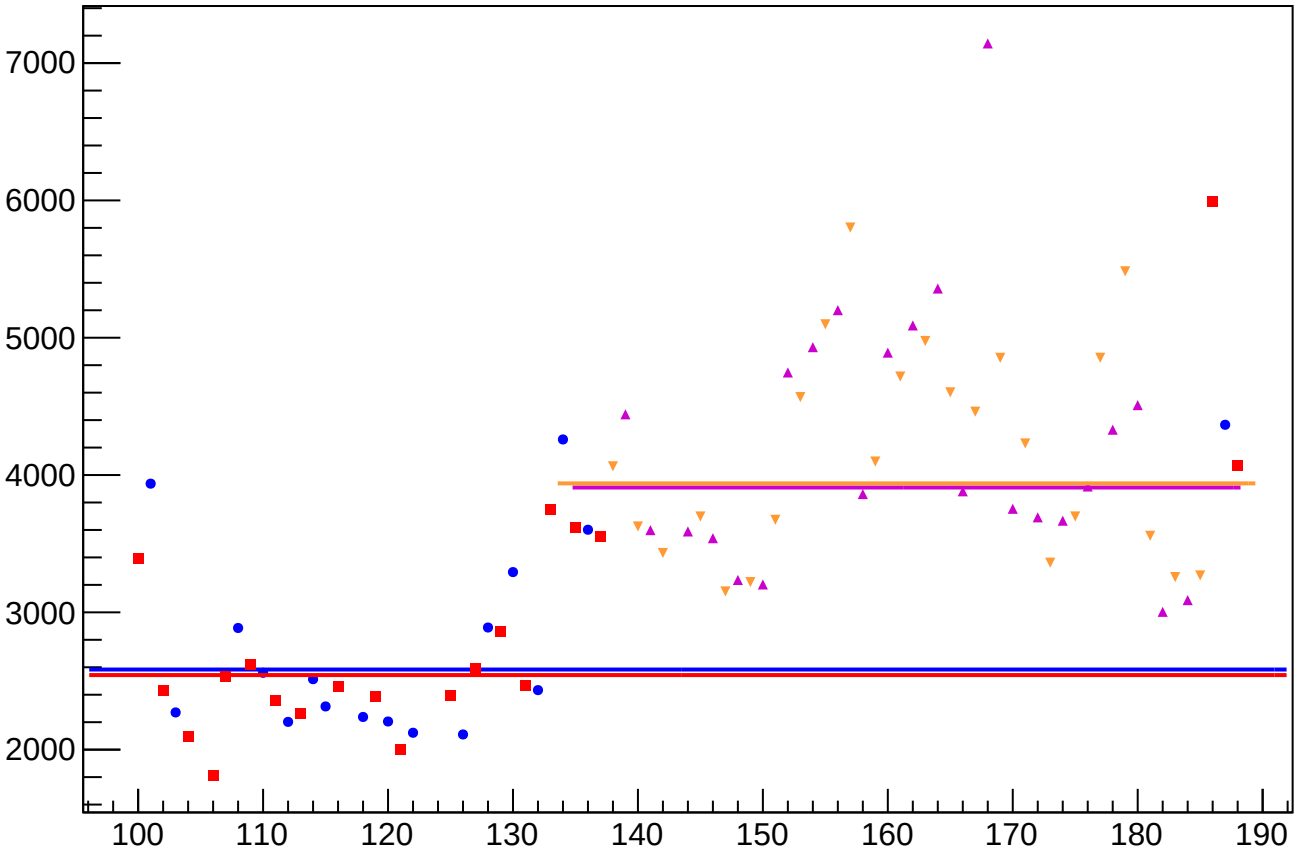
Left: 241.986+/-660.036 χ^2/NDF: 44.1/46

Right: 529.190+/-659.849 χ^2/NDF: 41.0/36

In: 301.349+/-674.046 χ^2/NDF:29.3/39

Out: 463.206+/-646.688 χ^2/NDF:55.9/43

All: 385.629+/-466.650 χ^2/NDF: 85.2/83



Right In: 2583.524+/-0.690 χ^2/NDF: 728805.2/16

Left Out: 3939.266+/-0.661 χ^2/NDF:1092657.5/23

Right Out: 2543.137+/-0.634 χ^2/NDF: 1003797.0/19

Left In: 3909.128+/-0.659 χ^2/NDF:1300782.7/22

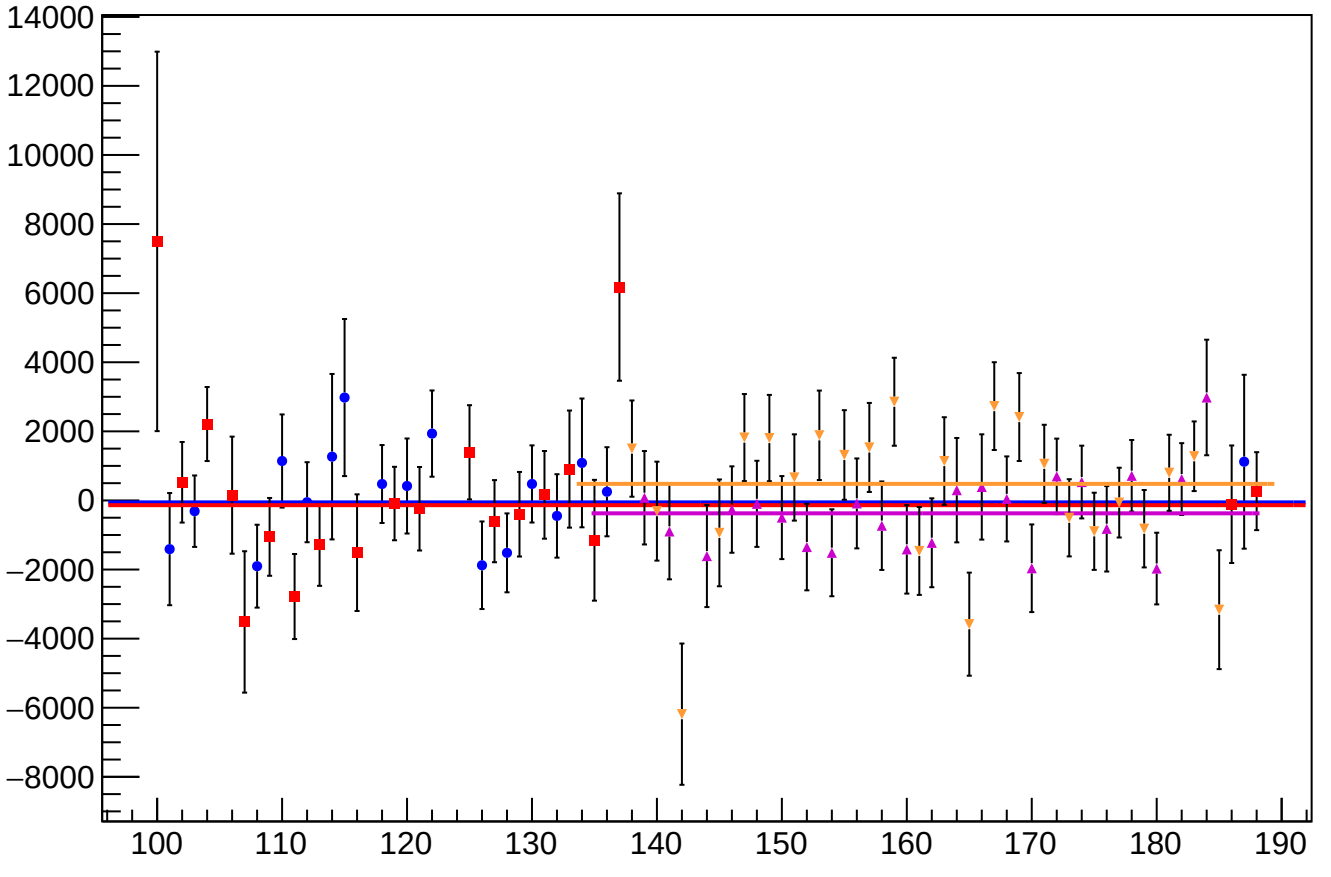
Left: 3924.171+/-0.467 χ^2/NDF: 2394482.7/46

Right: 2561.624+/-0.467 χ^2/NDF: 1734461.9/36

In: 3275.929+/-0.477 χ^2/NDF:3959562.7/39

Out: 3212.122+/-0.457 χ^2/NDF:4422813.3/43

All: 3242.704+/-0.330 χ^2/NDF: 8391708.2/83



Right In: -56.253+/-323.520 χ^2/NDF: 13.6/16

Left Out: 479.583+/-256.330 χ^2/NDF:45.2/23

Right Out: -137.003+/-304.490 χ^2/NDF: 24.5/19

Left In: -372.901+/-259.314 χ^2/NDF:16.0/22

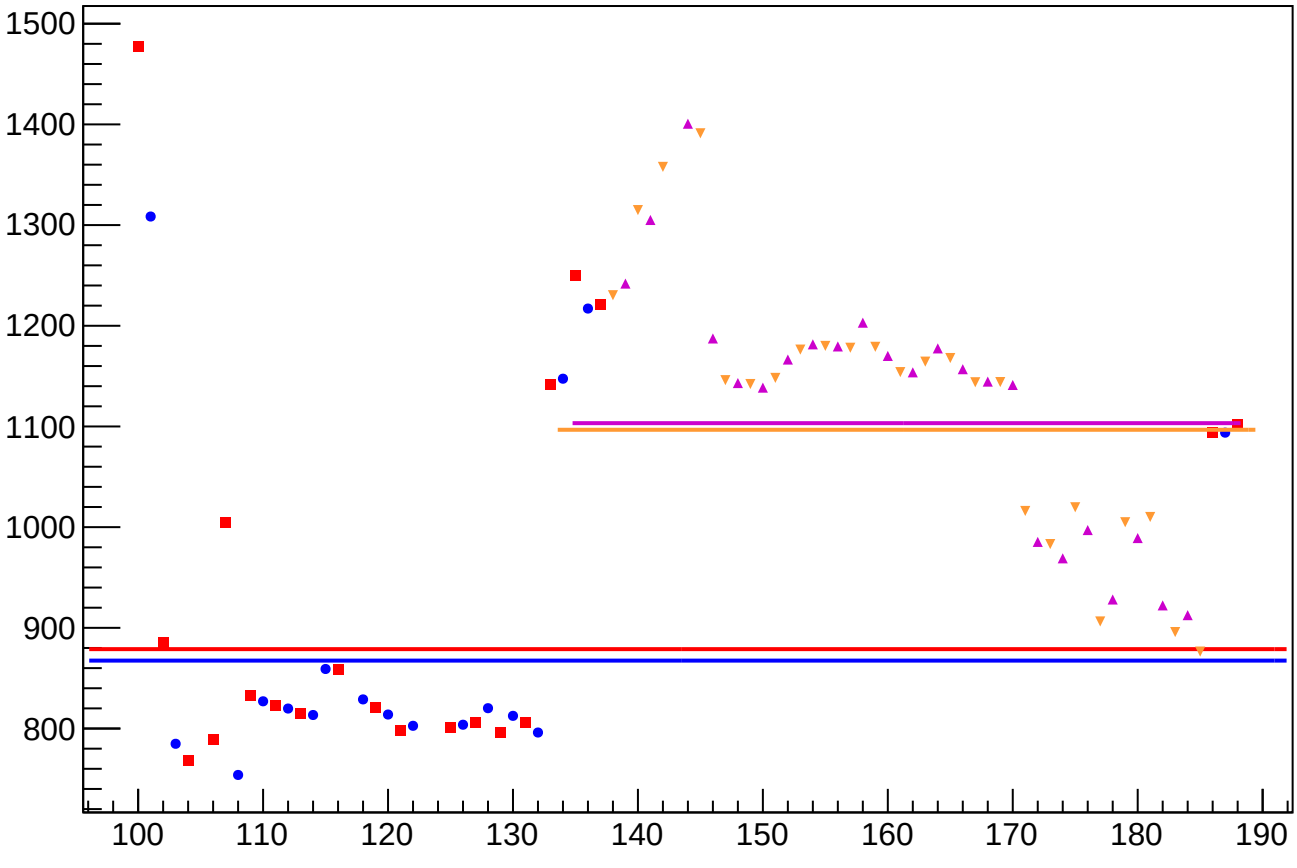
Left: 58.275+/-182.298 χ^2/NDF: 66.7/46

Right: -99.073+/-221.729 χ^2/NDF: 38.1/36

In: -249.041+/-202.338 χ^2/NDF:30.2/39

Out: 223.851+/-196.096 χ^2/NDF:72.1/43

All: -5.188+/-140.816 χ^2/NDF: 105.1/83



Right In: 867.465+/-0.229 χ^2/NDF: 423950.7/16

Left Out: 1096.711+/-0.181 χ^2/NDF:480498.6/23

Right Out: 878.856+/-0.214 χ^2/NDF: 398124.7/19

Left In: 1103.281+/-0.183 χ^2/NDF:447540.3/22

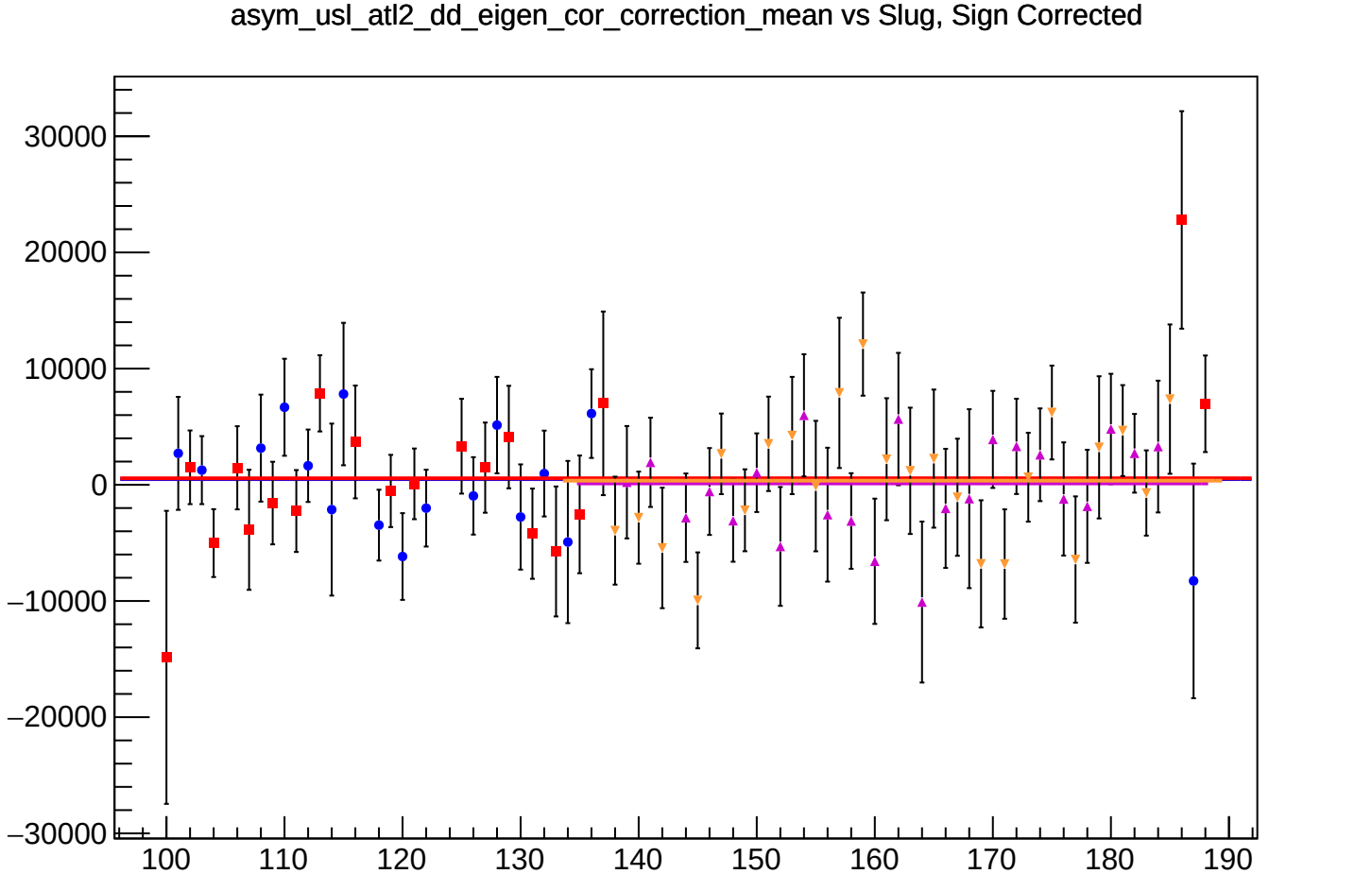
Left: 1099.958+/-0.129 χ^2/NDF: 928688.1/46

Right: 873.531+/-0.156 χ^2/NDF: 823395.9/36

In: 1011.039+/-0.143 χ^2/NDF:1518451.6/39

Out: 1005.864+/-0.138 χ^2/NDF:1481061.3/43

All: 1008.365+/-0.099 χ^2/NDF: 3000188.8/83



Right In: 492.400+/-975.273 χ^2/NDF: 15.5/16

Left Out: 357.728+/-934.221 χ^2/NDF:30.3/23

Right Out: 560.249+/-896.082 χ^2/NDF: 25.6/19

Left In: 126.635+/-932.644 χ^2/NDF:13.8/22

Left: 241.986+/-660.036 χ^2/NDF: 44.1/46

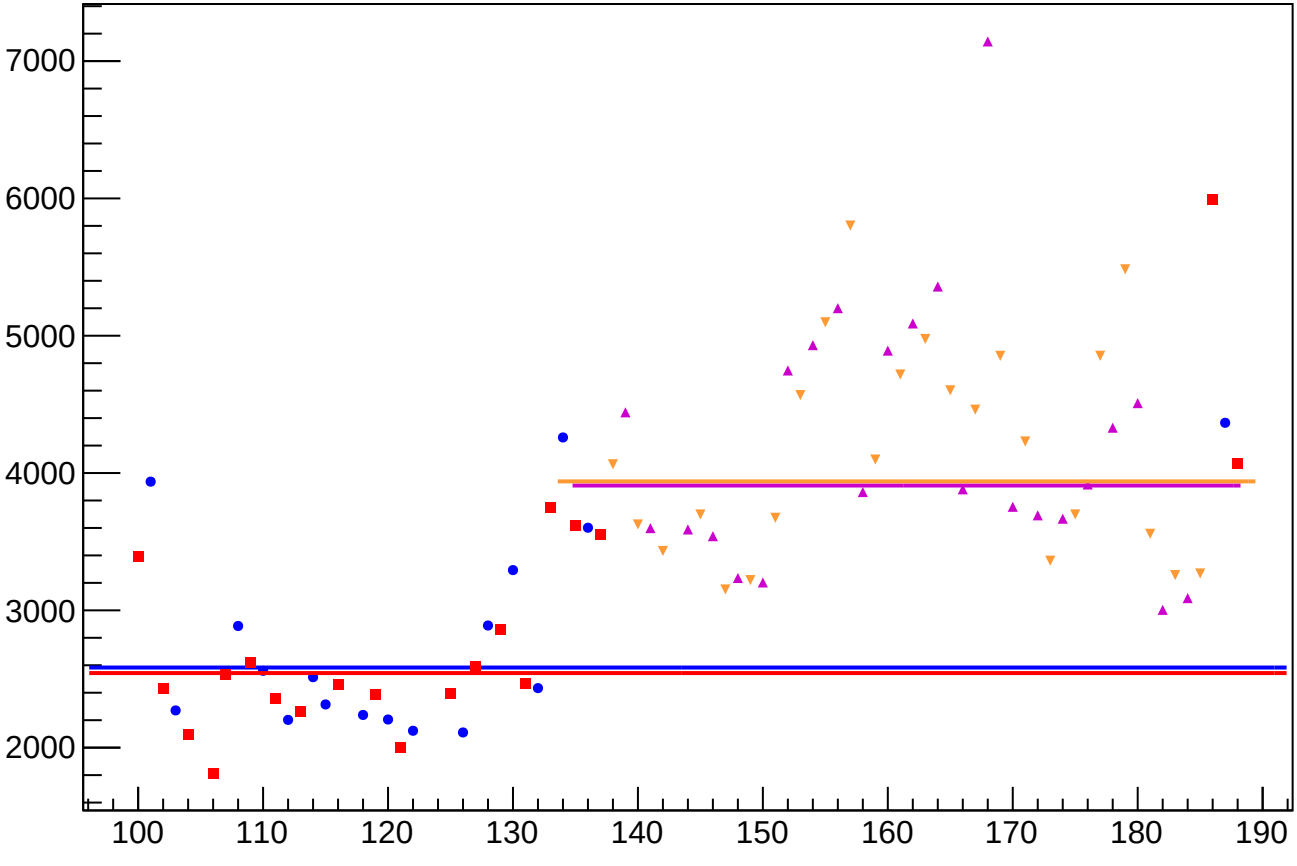
Right: 529.190+/-659.849 χ^2/NDF: 41.0/36

In: 301.349+/-674.046 χ^2/NDF:29.3/39

Out: 463.206+/-646.688 χ^2/NDF:55.9/43

All: 385.629+/-466.650 χ^2/NDF: 85.2/83

asym_usl_atl2_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 2583.524+/-0.690 χ^2/NDF: 728805.2/16

Left Out: 3939.266+/-0.661 χ^2/NDF:1092657.5/23

Right Out: 2543.137+/-0.634 χ^2/NDF: 1003797.0/19

Left In: 3909.128+/-0.659 χ^2/NDF:1300782.7/22

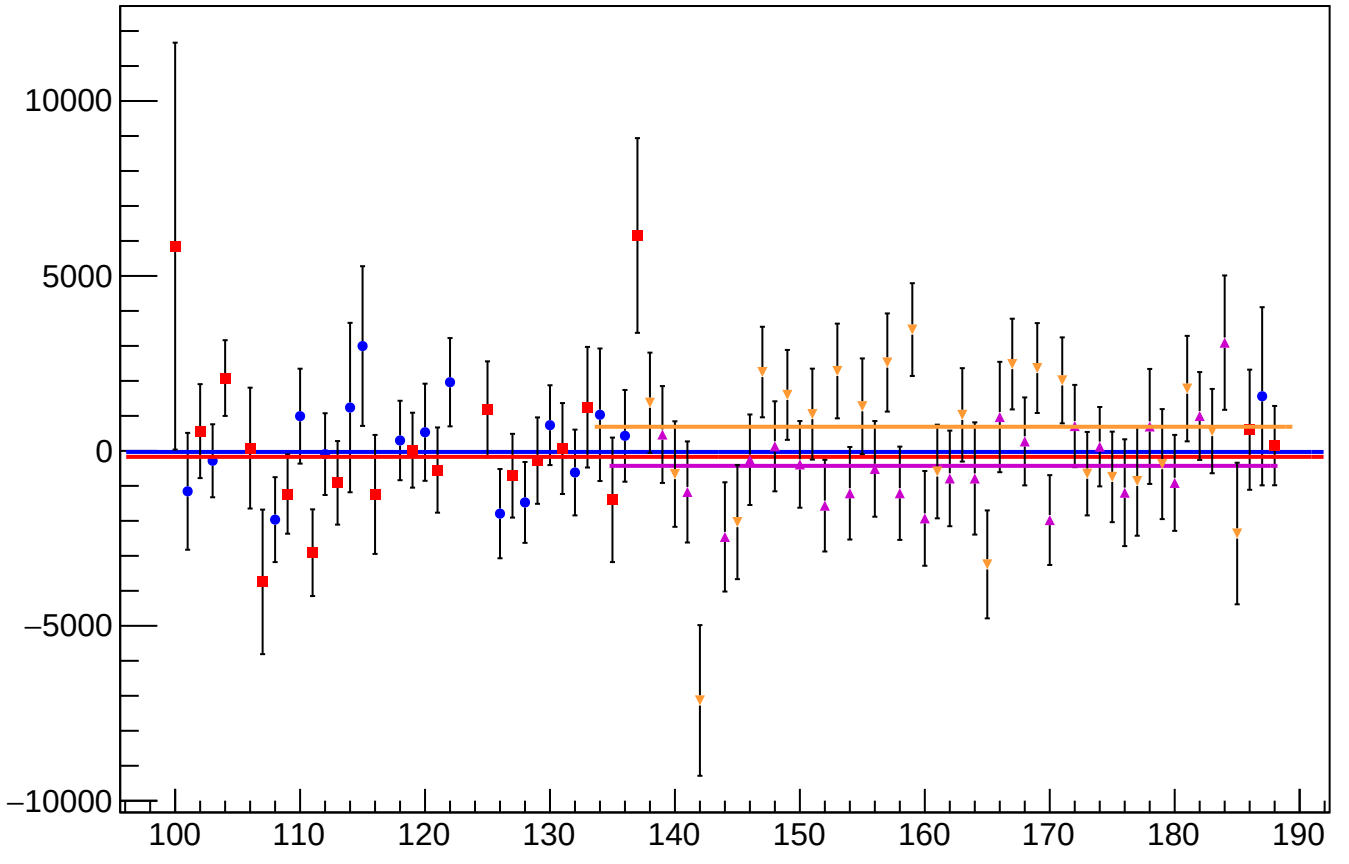
Left: 3924.171+/-0.467 χ^2/NDF: 2394482.7/46

Right: 2561.624+/-0.467 χ^2/NDF: 1734461.9/36

In: 3275.929+/-0.477 χ^2/NDF:3959562.7/39

Out: 3212.122+/-0.457 χ^2/NDF:4422813.3/43

All: 3242.704+/-0.330 χ^2/NDF: 8391708.2/83



Right In: -30.444+/-327.347 χ^2/NDF: 13.4/16

Left Out: 689.087+/-284.388 χ^2/NDF:45.7/23

Right Out: -170.821+/-309.957 χ^2/NDF: 23.2/19

Left In: -428.052+/-284.383 χ^2/NDF:14.6/22

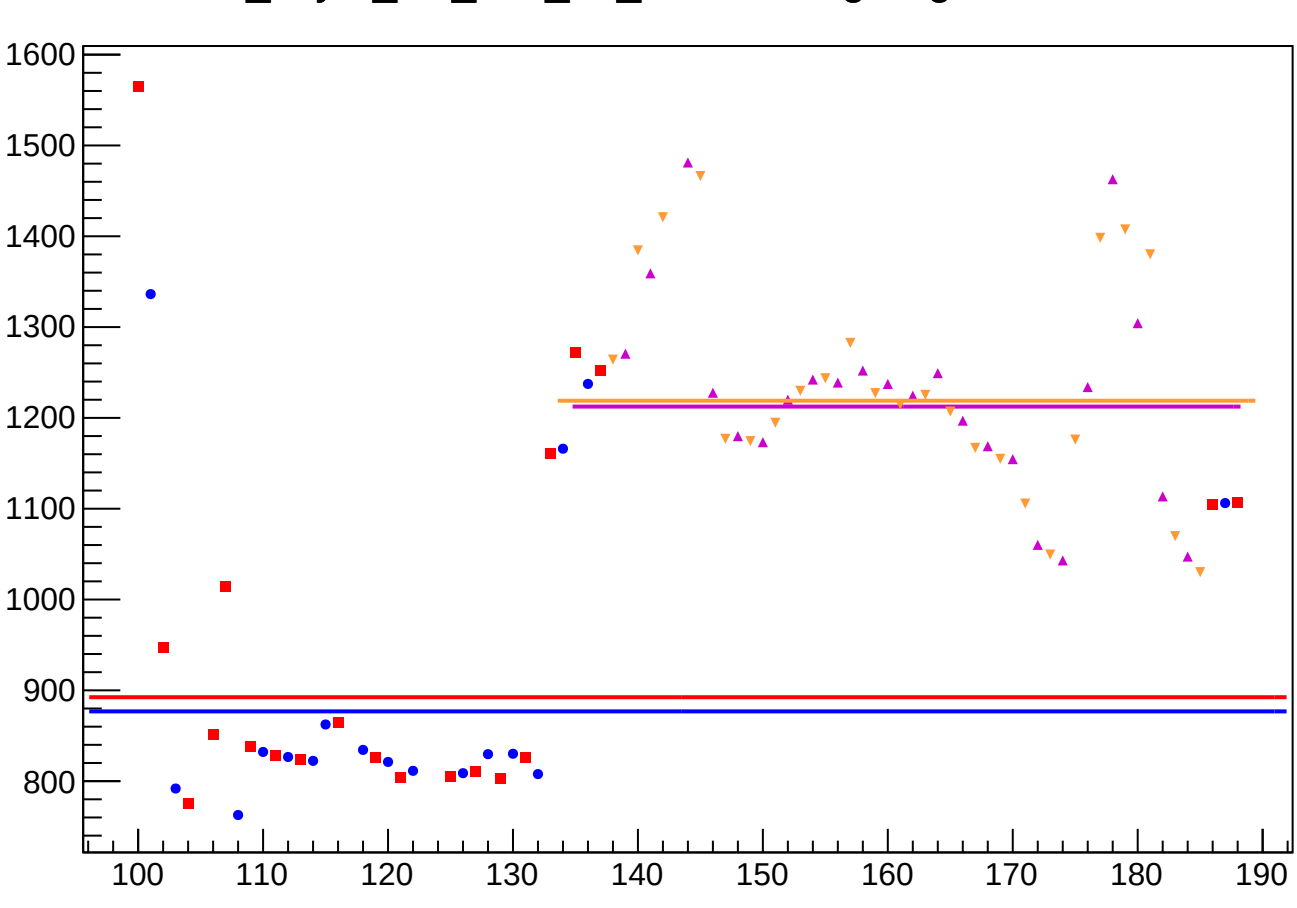
Left: 130.507+/-201.091 χ^2/NDF: 68.1/46

Right: -104.460+/-225.070 χ^2/NDF: 36.7/36

In: -257.037+/-214.684 χ^2/NDF:28.8/39

Out: 296.059+/-209.550 χ^2/NDF:73.2/43

All: 26.203+/-149.956 χ^2/NDF: 105.4/83



Right In: 876.828+/-0.231 χ^2/NDF: 433611.5/16

Left Out: 1218.928+/-0.201 χ^2/NDF:293874.9/23

Right Out: 892.438+/-0.219 χ^2/NDF: 404831.0/19

Left In: 1212.447+/-0.201 χ^2/NDF:260320.0/22

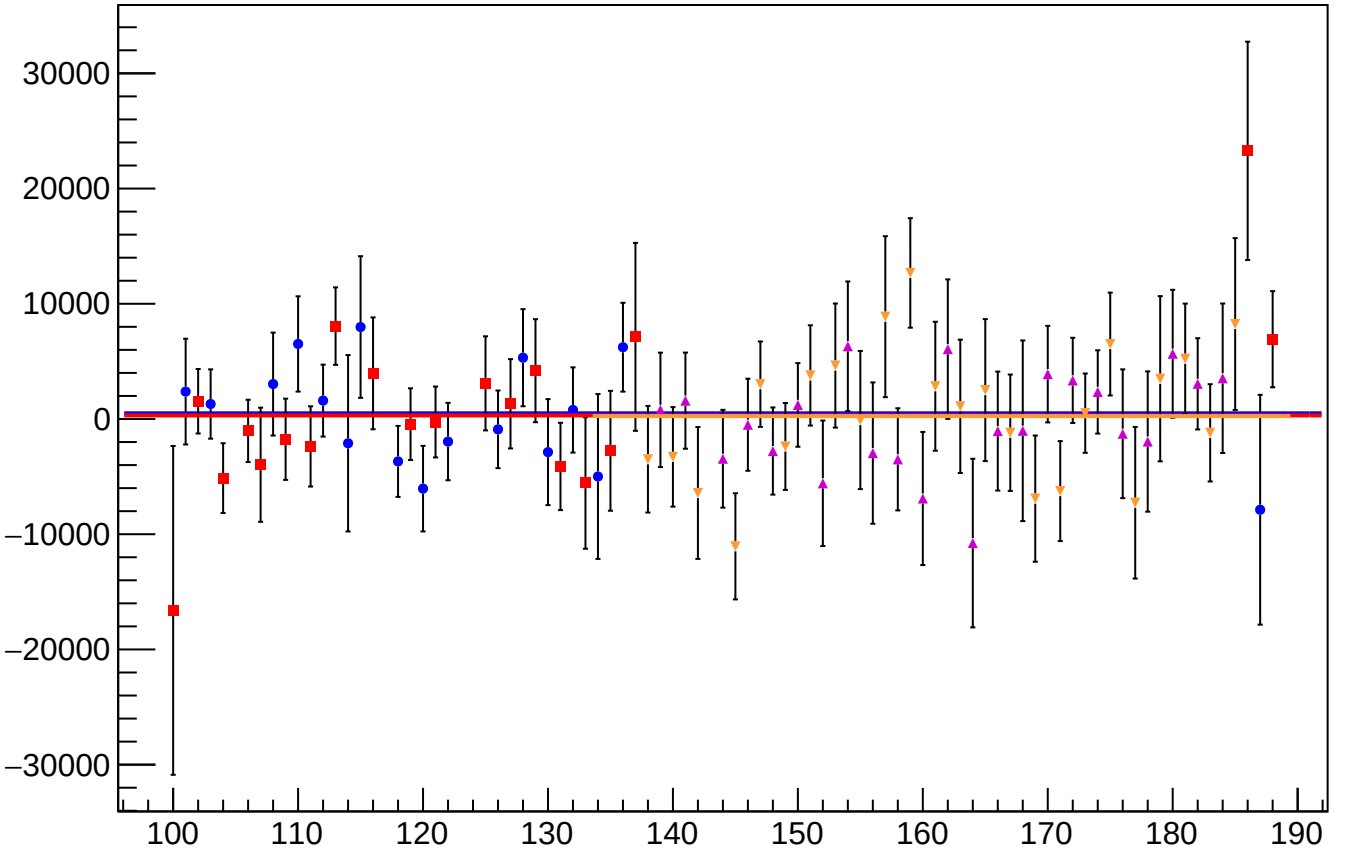
Left: 1215.687+/-0.142 χ^2/NDF: 554714.2/46

Right: 885.066+/-0.159 χ^2/NDF: 840842.3/36

In: 1068.094+/-0.152 χ^2/NDF:1892038.6/39

Out: 1069.560+/-0.148 χ^2/NDF:1904672.3/43

All: 1068.845+/-0.106 χ^2/NDF: 3796758.6/83



Right In: 493.673+/-980.121 χ^2/NDF: 15.4/16

Left Out: 252.803+/-995.149 χ^2/NDF:29.7/23

Right Out: 310.367+/-870.569 χ^2/NDF: 25.9/19

Left In: 266.235+/-990.083 χ^2/NDF:13.4/22

Left: 259.553+/-701.879 χ^2/NDF: 43.1/46

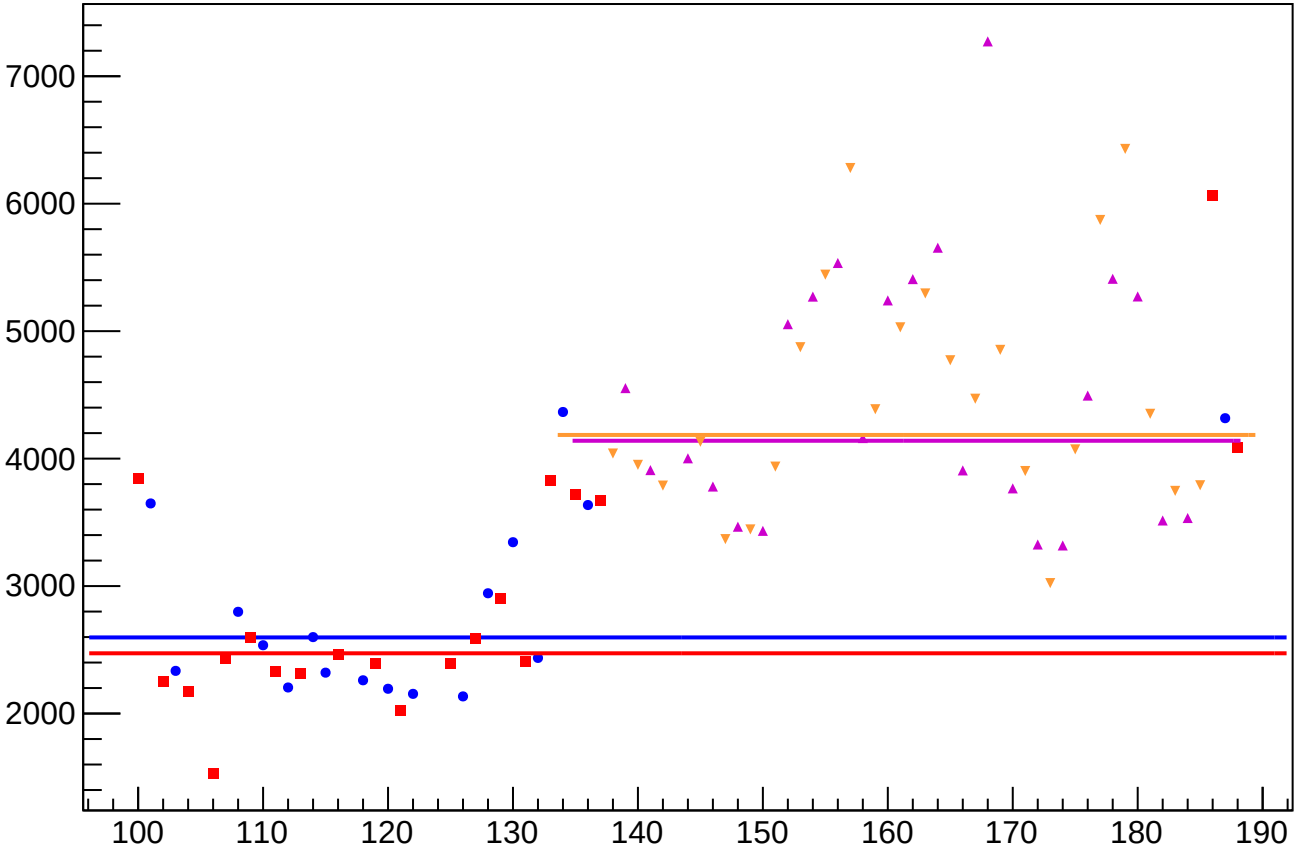
Right: 391.207+/-650.886 χ^2/NDF: 41.3/36

In: 381.104+/-696.546 χ^2/NDF:28.9/39

Out: 285.412+/-655.231 χ^2/NDF:55.6/43

All: 330.336+/-477.256 χ^2/NDF: 84.4/83

asym_usl_atl2_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 2597.147+/-0.693 χ^2/NDF: 677211.5/16

Left Out: 4185.656+/-0.704 χ^2/NDF:1271248.5/23

Right Out: 2472.613+/-0.616 χ^2/NDF: 1227250.3/19

Left In: 4140.051+/-0.700 χ^2/NDF:1449924.0/22

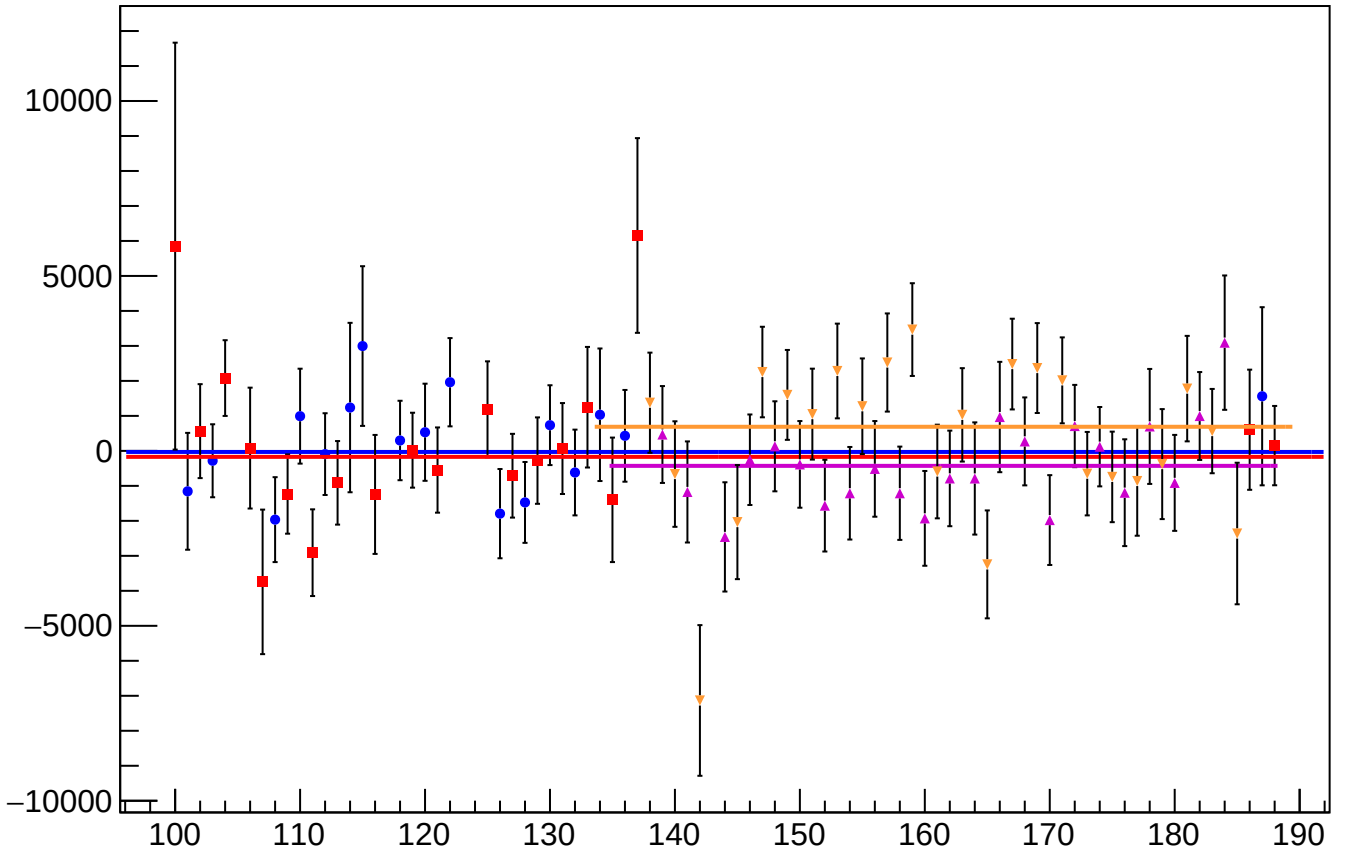
Left: 4162.737+/-0.496 χ^2/NDF: 2723283.3/46

Right: 2527.534+/-0.460 χ^2/NDF: 1922510.9/36

In: 3360.799+/-0.493 χ^2/NDF:4580172.7/39

Out: 3215.256+/-0.463 χ^2/NDF:5855661.2/43

All: 3283.583+/-0.337 χ^2/NDF: 10482159.9/8



Right In: -30.448+/-327.347 χ^2/NDF: 13.4/16

Left Out: 689.089+/-284.388 χ^2/NDF:45.7/23

Right Out: -170.826+/-309.957 χ^2/NDF: 23.2/19

Left In: -428.050+/-284.383 χ^2/NDF:14.6/22

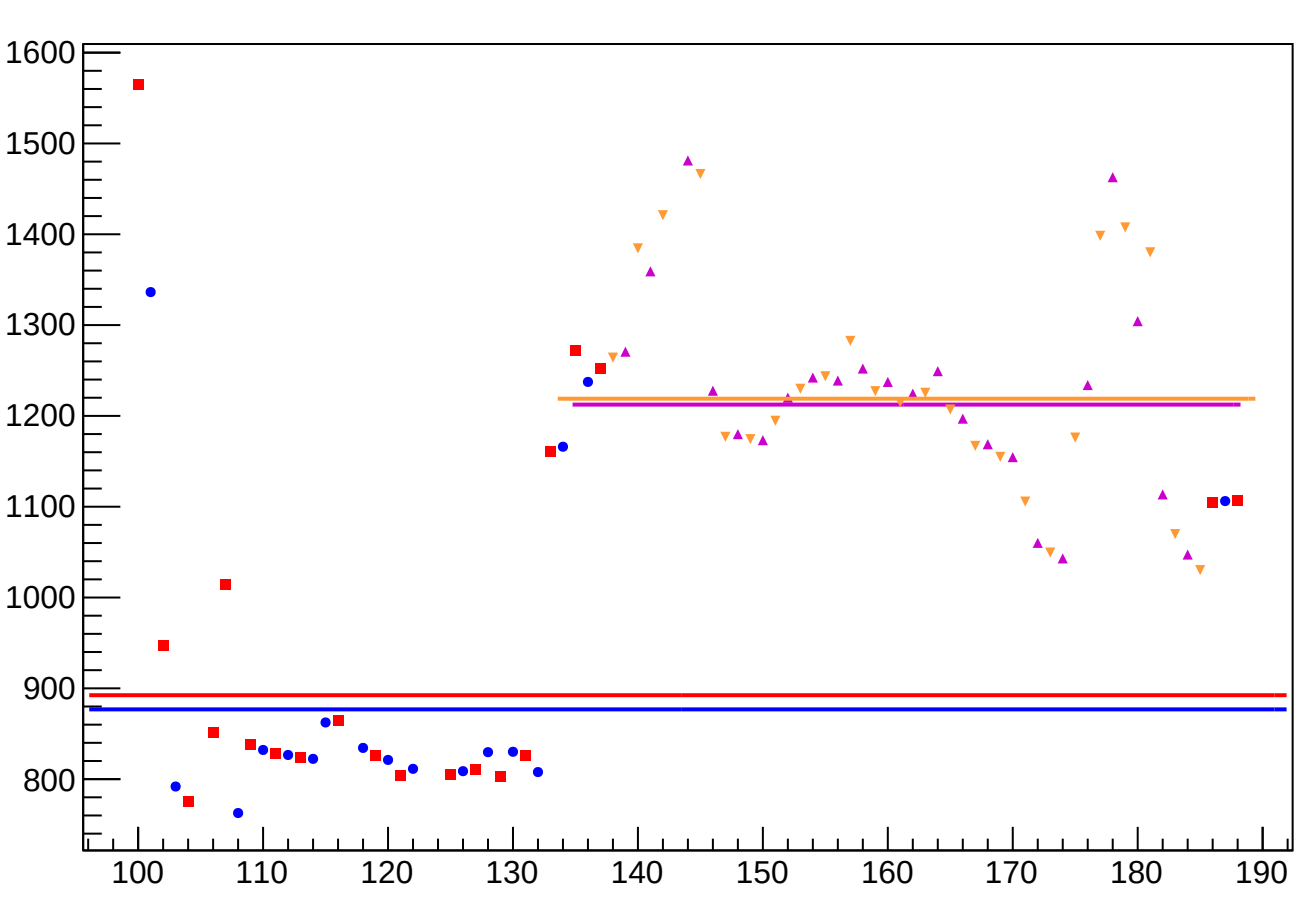
Left: 130.510+/-201.091 χ^2/NDF: 68.1/46

Right: -104.464+/-225.070 χ^2/NDF: 36.7/36

In: -257.037+/-214.684 χ^2/NDF:28.8/39

Out: 296.057+/-209.550 χ^2/NDF:73.2/43

All: 26.202+/-149.956 χ^2/NDF: 105.4/83



Right In: 876.829+/-0.231 χ^2/NDF: 433611.3/16

Left Out: 1218.929+/-0.201 χ^2/NDF:293885.7/23

Right Out: 892.438+/-0.219 χ^2/NDF: 404830.6/19

Left In: 1212.448+/-0.201 χ^2/NDF:260330.4/22

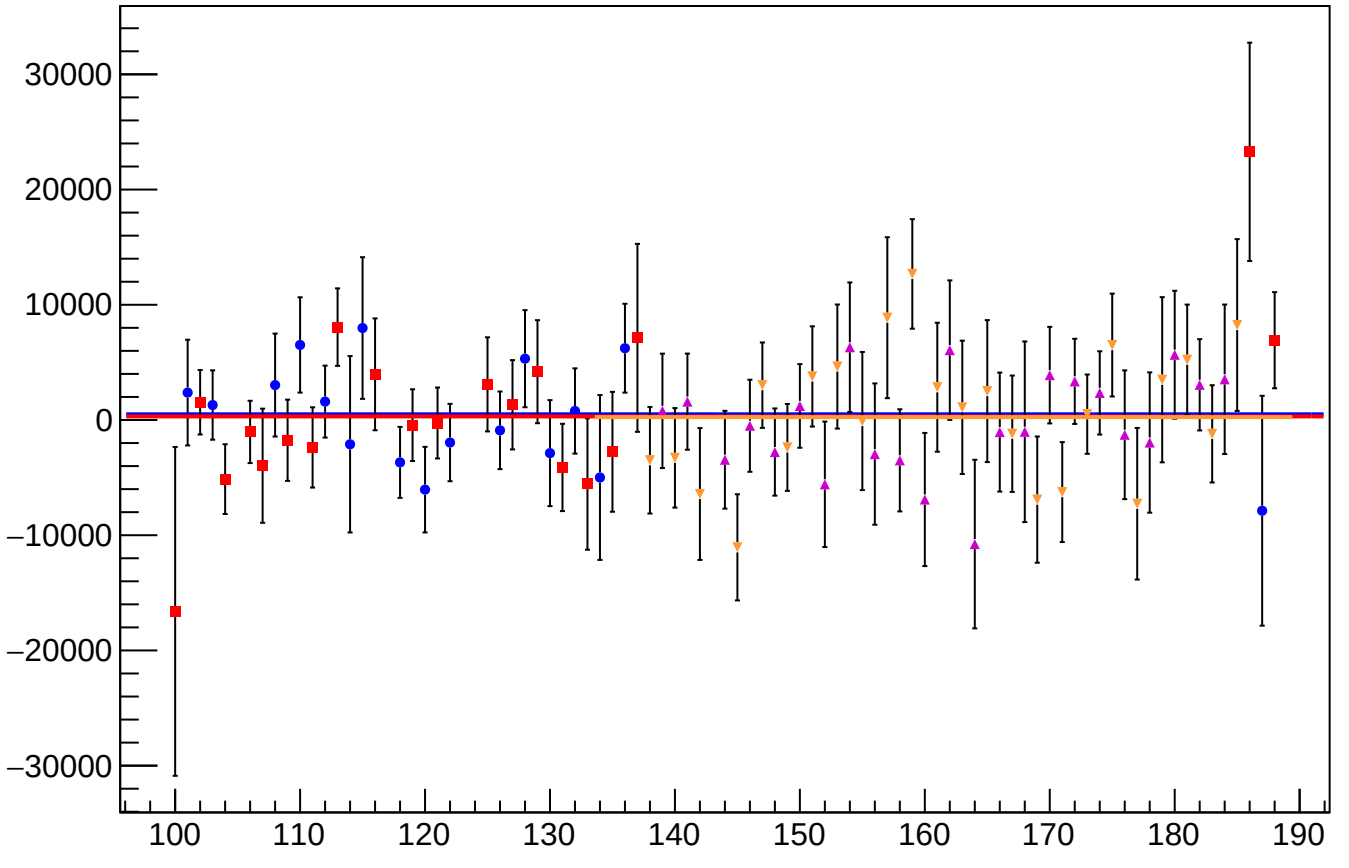
Left: 1215.689+/-0.142 χ^2/NDF: 554735.4/46

Right: 885.066+/-0.159 χ^2/NDF: 840841.7/36

In: 1068.094+/-0.152 χ^2/NDF:1892054.4/39

Out: 1069.560+/-0.148 χ^2/NDF:1904689.5/43

All: 1068.845+/-0.106 χ^2/NDF: 3796791.7/83



Right In: 493.669+/-980.119 χ^2/NDF: 15.4/16

Left Out: 252.805+/-995.151 χ^2/NDF:29.7/23

Right Out: 310.363+/-870.567 χ^2/NDF: 25.9/19

Left In: 266.236+/-990.085 χ^2/NDF:13.4/22

Left: 259.555+/-701.880 χ^2/NDF: 43.1/46

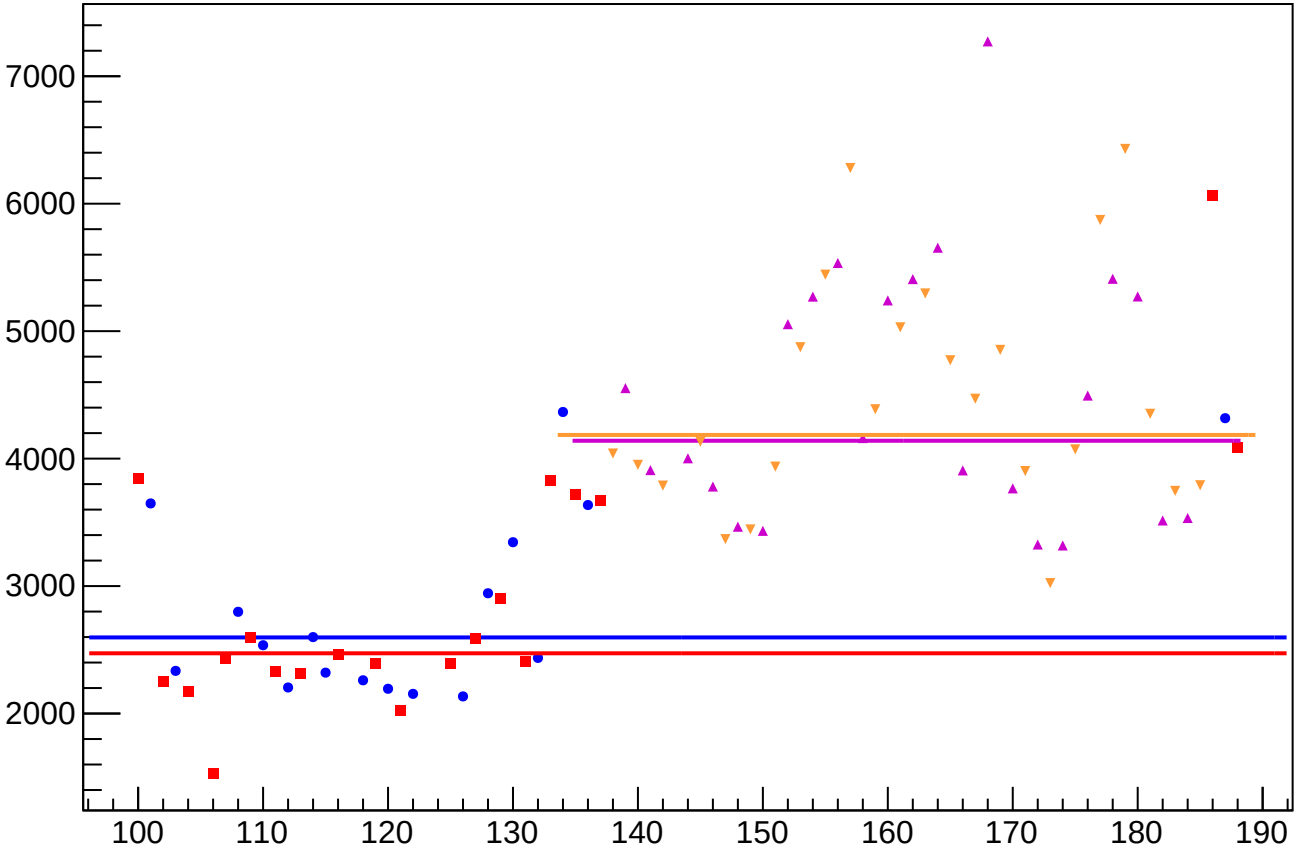
Right: 391.203+/-650.884 χ^2/NDF: 41.3/36

In: 381.102+/-696.545 χ^2/NDF:28.9/39

Out: 285.411+/-655.230 χ^2/NDF:55.6/43

All: 330.335+/-477.256 χ^2/NDF: 84.4/83

asym_usl_atl2_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 2597.139+/-0.693 χ^2/NDF: 677219.7/16

Left Out: 4185.664+/-0.704 χ^2/NDF:1271247.4/23

Right Out: 2472.606+/-0.616 χ^2/NDF: 1227259.0/19

Left In: 4140.059+/-0.700 χ^2/NDF:1449925.1/22

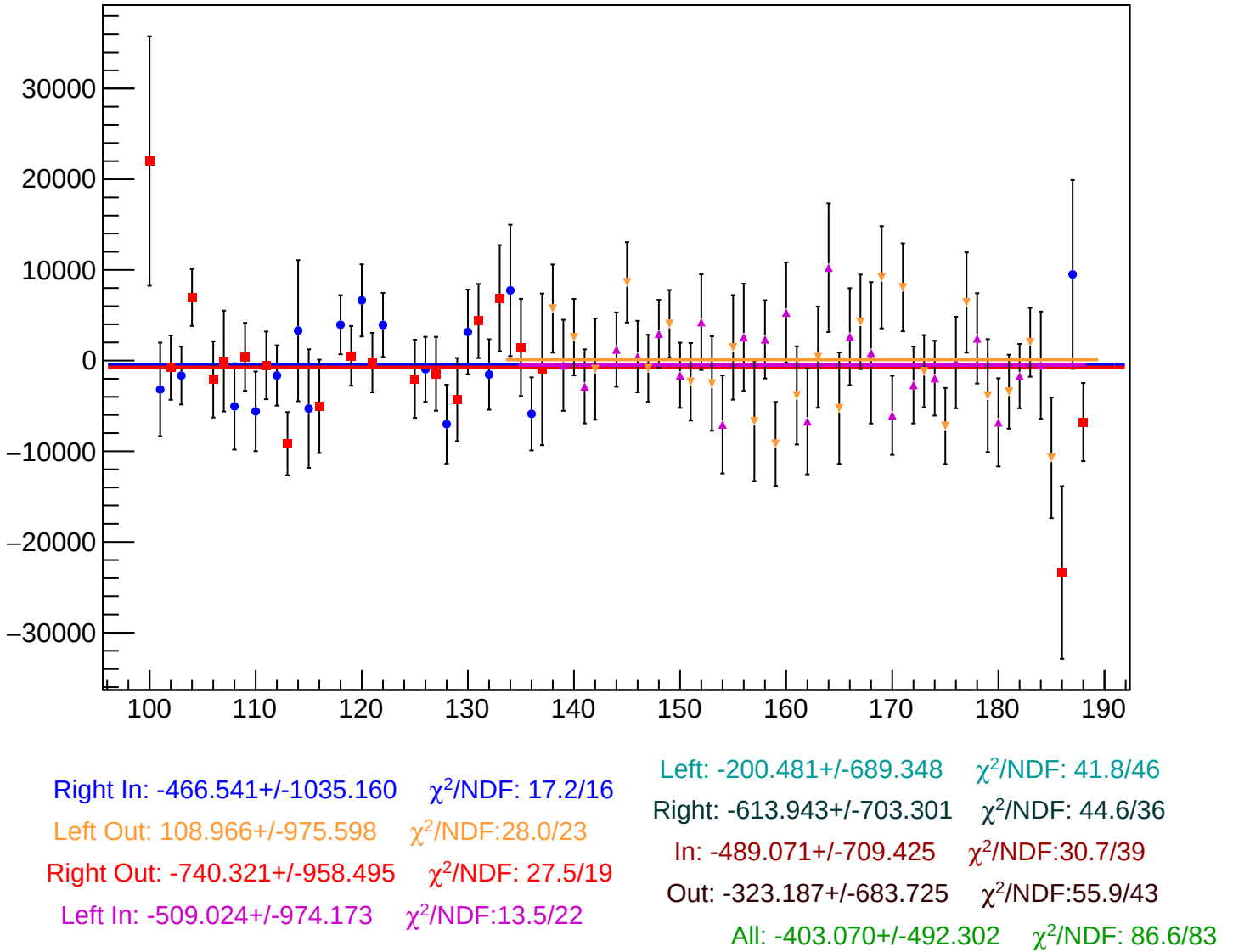
Left: 4162.745+/-0.496 χ^2/NDF: 2723283.4/46

Right: 2527.526+/-0.460 χ^2/NDF: 1922527.5/36

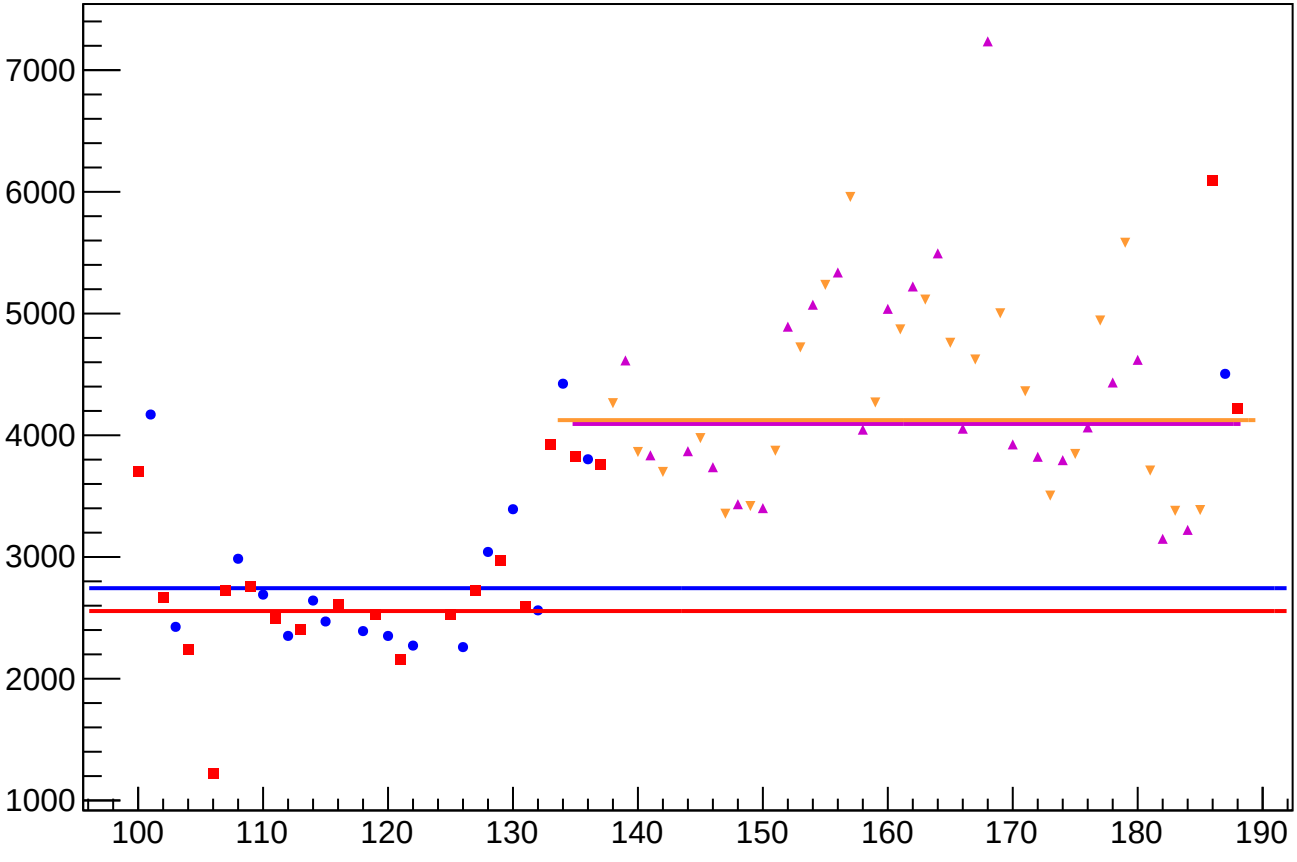
In: 3360.794+/-0.493 χ^2/NDF:4580234.6/39

Out: 3215.252+/-0.463 χ^2/NDF:5855728.0/43

All: 3283.579+/-0.337 χ^2/NDF: 10482288.6/8


asym_usl_atl2_dd_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
160
170
180
190
Right In: -466.541+/-1035.160 χ²/NDF: 17.2/16
Left Out: 108.966+/-975.598 χ²/NDF:28.0/23
Right Out: -740.321+/-958.495 χ²/NDF: 27.5/19
Left In: -509.024+/-974.173 χ²/NDF:13.5/22
Left: -200.481+/-689.348 χ²/NDF: 41.8/46
Right: -613.943+/-703.301 χ²/NDF: 44.6/36
In: -489.071+/-709.425 χ²/NDF:30.7/39
Out: -323.187+/-683.725 χ²/NDF:55.9/43
All: -403.070+/-492.302 χ²/NDF: 86.6/83

asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 2743.810+/-0.732 χ^2/NDF: 680856.7/16

Left Out: 4124.485+/-0.690 χ^2/NDF:969929.3/23

Right Out: 2555.940+/-0.648 χ^2/NDF: 1496435.3/19

Left In: 4093.066+/-0.689 χ^2/NDF:1162851.8/22

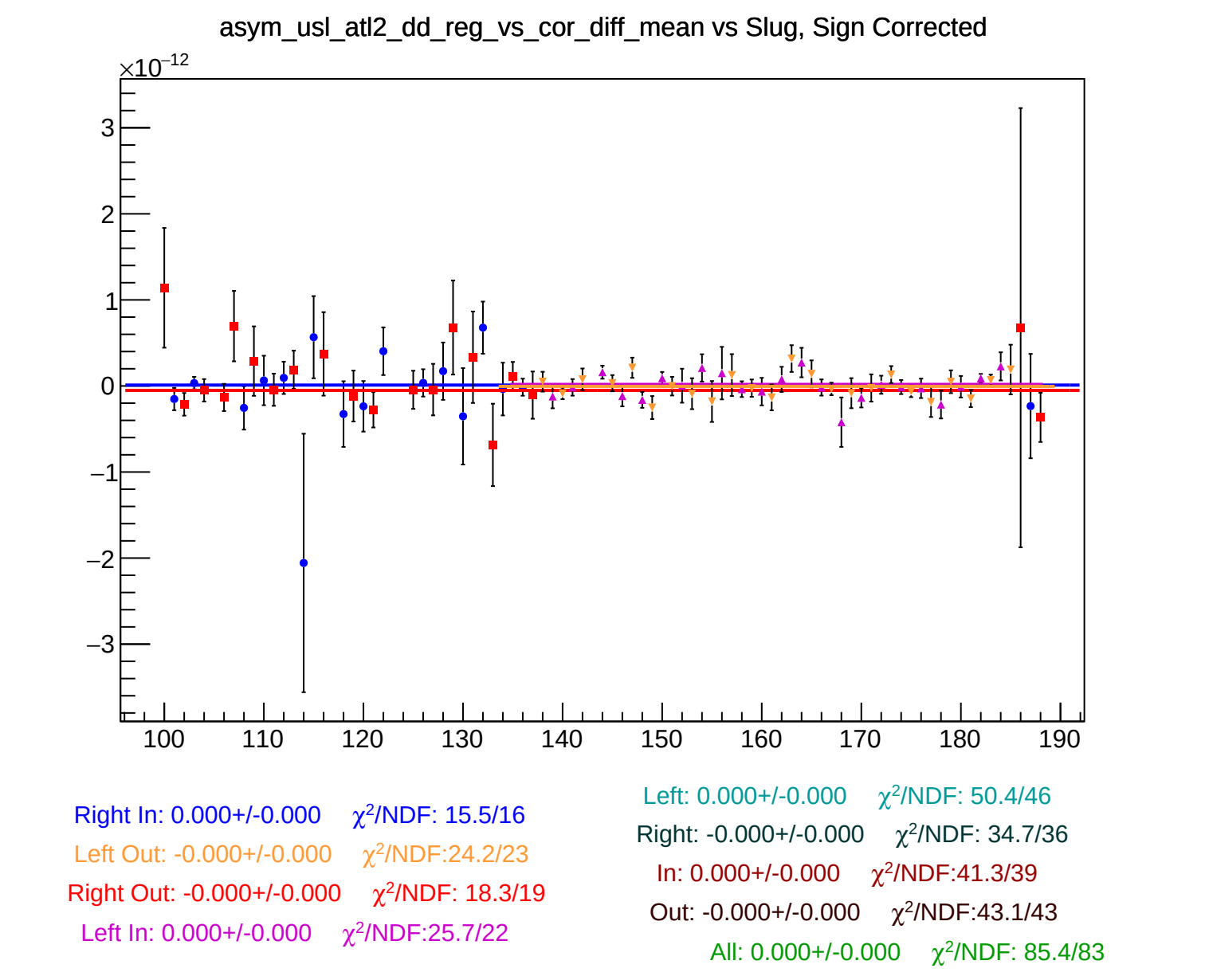
Left: 4108.753+/-0.487 χ^2/NDF: 2133819.7/46

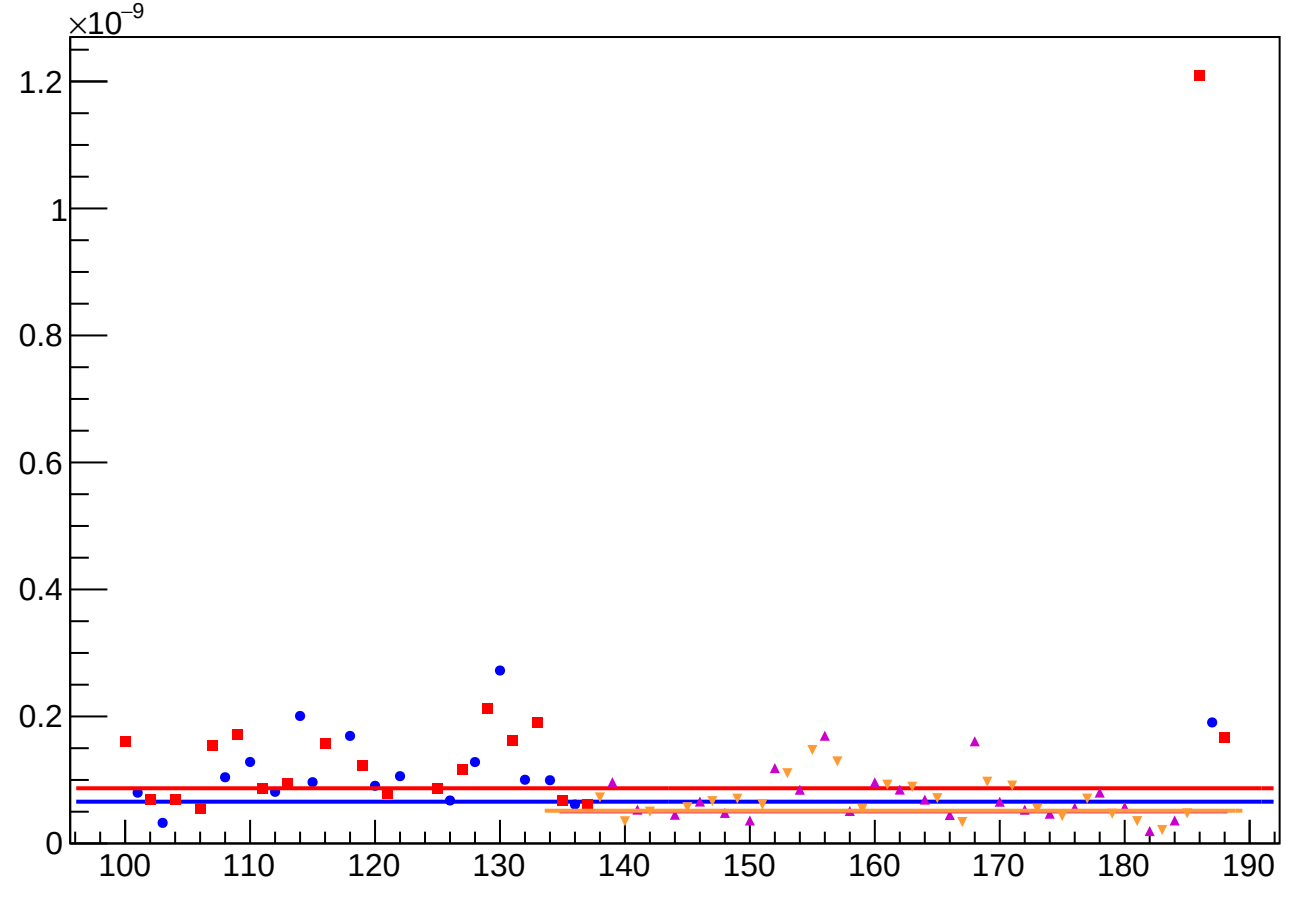
Right: 2638.556+/-0.485 χ^2/NDF: 2214199.2/36

In: 3459.352+/-0.502 χ^2/NDF:3645672.1/39

Out: 3291.788+/-0.473 χ^2/NDF:5210916.5/43

All: 3370.562+/-0.344 χ^2/NDF: 8915712.1/83


asym_usl_atl2_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
3
2
1
0
−1
−2
−3
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 15.5/16
Left Out: -0.000+/-0.000 χ²/NDF:24.2/23
Right Out: -0.000+/-0.000 χ²/NDF: 18.3/19
Left In: 0.000+/-0.000 χ²/NDF:25.7/22
Left: 0.000+/-0.000 χ²/NDF: 50.4/46
Right: -0.000+/-0.000 χ²/NDF: 34.7/36
In: 0.000+/-0.000 χ²/NDF:41.3/39
Out: -0.000+/-0.000 χ²/NDF:43.1/43
All: 0.000+/-0.000 χ²/NDF: 85.4/83



Right In: 0.000+/-0.000 χ^2/NDF: 1307737.0/16

Left Out: 0.000+/-0.000 χ^2/NDF:2269565.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 1240294.6/19

Left In: 0.000+/-0.000 χ^2/NDF:2433650.3/22

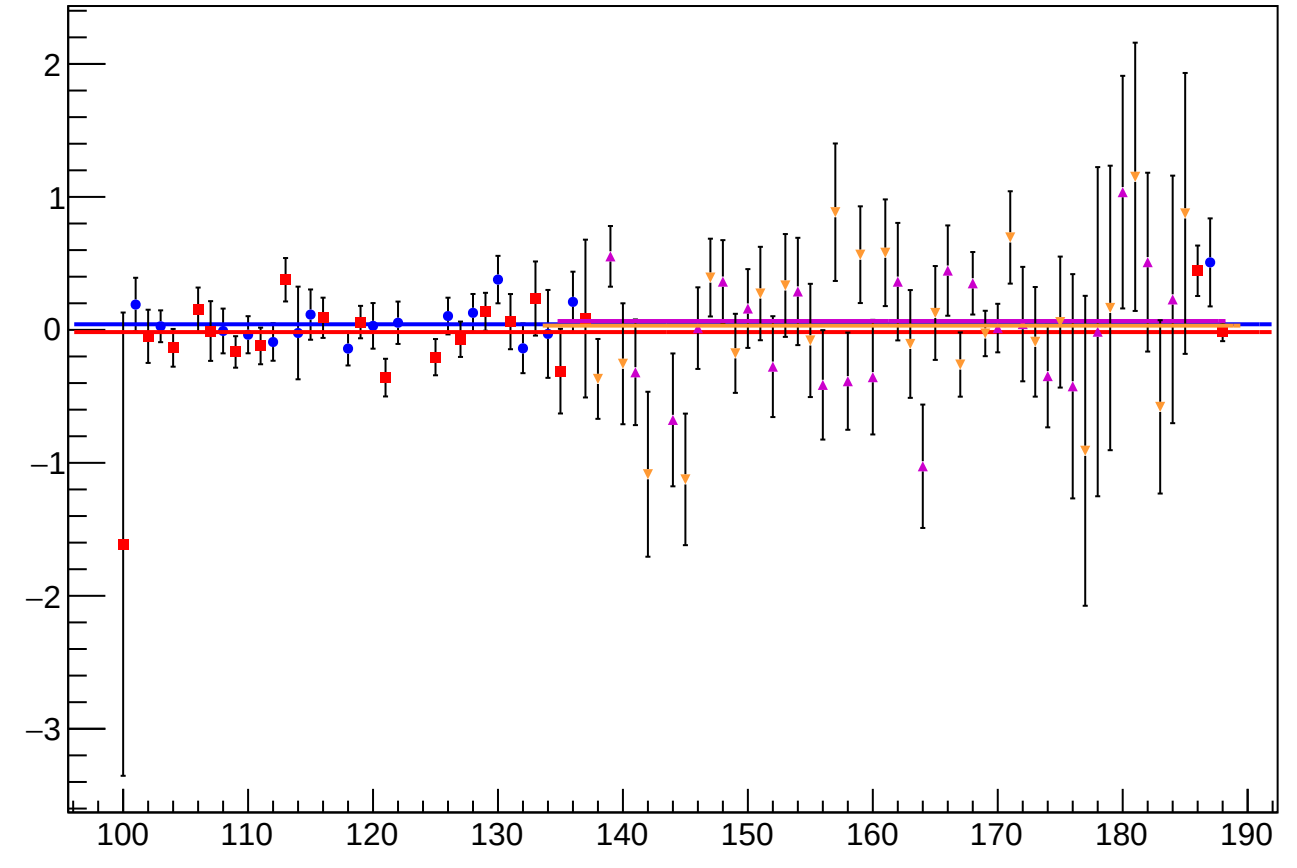
Left: 0.000+/-0.000 χ^2/NDF: 4705429.8/46

Right: 0.000+/-0.000 χ^2/NDF: 2738871.8/36

In: 0.000+/-0.000 χ^2/NDF:3934043.4/39

Out: 0.000+/-0.000 χ^2/NDF:4279681.1/43

All: 0.000+/-0.000 χ^2/NDF: 8242251.0/83



Right In: 0.042+/-0.041 χ^2/NDF: 11.8/16

Left Out: 0.032+/-0.076 χ^2/NDF:29.7/23

Right Out: -0.017+/-0.033 χ^2/NDF: 28.2/19

Left In: 0.067+/-0.075 χ^2/NDF:25.7/22

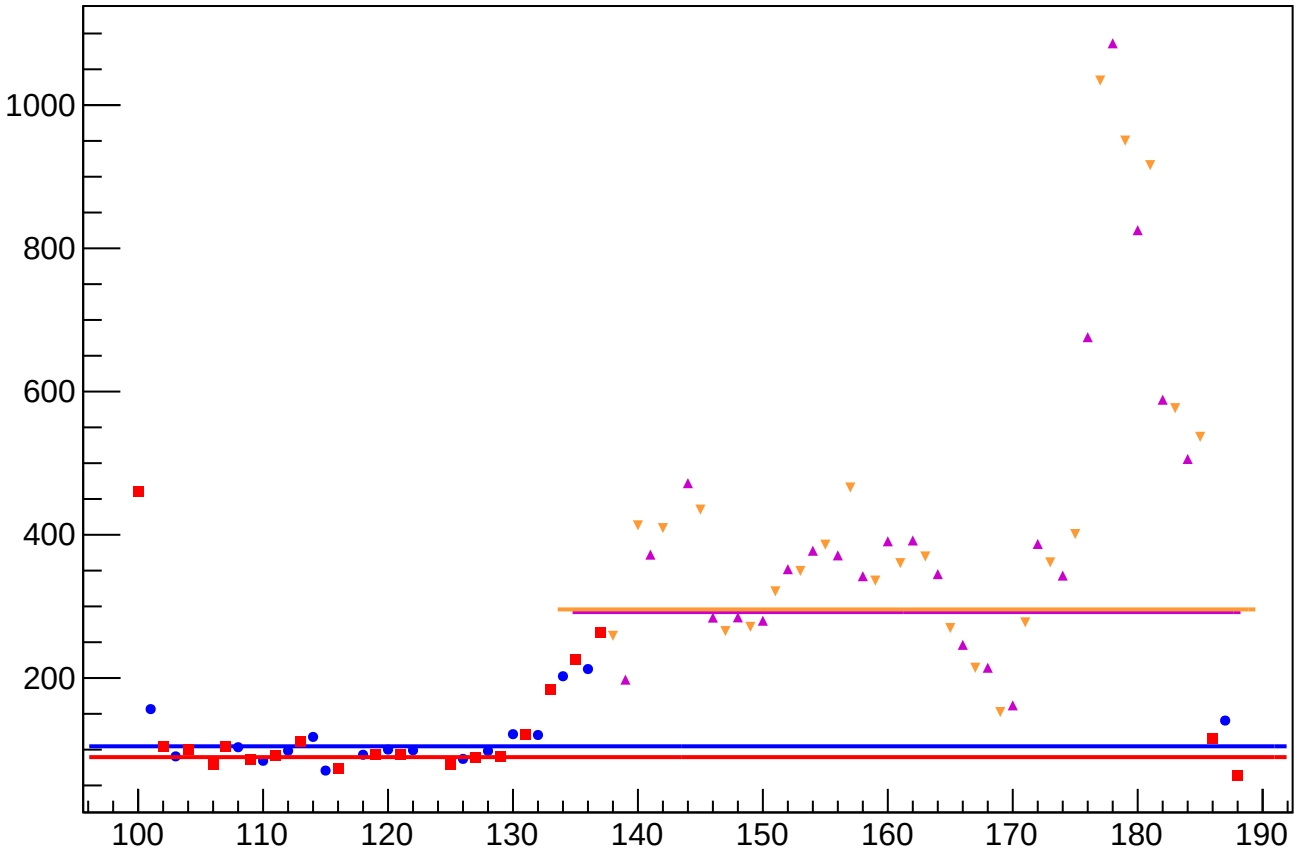
Left: 0.050+/-0.053 χ^2/NDF: 55.5/46

Right: 0.007+/-0.026 χ^2/NDF: 41.2/36

In: 0.048+/-0.036 χ^2/NDF:37.5/39

Out: -0.009+/-0.031 χ^2/NDF:58.3/43

All: 0.015+/-0.023 χ^2/NDF: 97.2/83



Right In: 104.651+/-0.029 χ^2/NDF: 1013802.0/16

Left Out: 295.798+/-0.054 χ^2/NDF:5501077.8/23

Right Out: 89.527+/-0.024 χ^2/NDF: 1337474.4/19

Left In: 292.100+/-0.053 χ^2/NDF:5055737.7/22

Left: 293.917+/-0.038 χ^2/NDF: 10559224.0/46

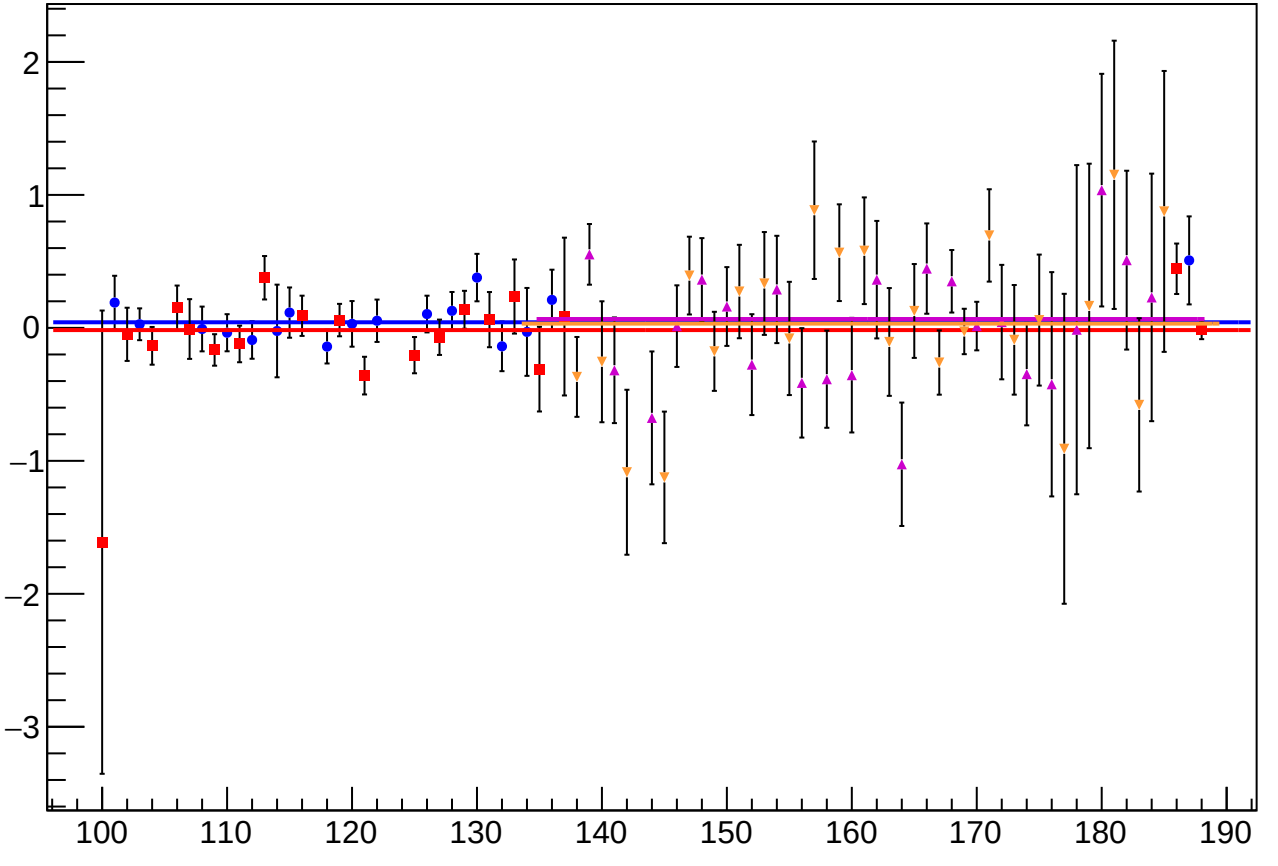
Right: 95.616+/-0.018 χ^2/NDF: 2516114.4/36

In: 147.572+/-0.025 χ^2/NDF:15774272.7/39

Out: 122.955+/-0.022 χ^2/NDF:19181954.1/43

All: 133.362+/-0.016 χ^2/NDF: 35503509.4/83

asym_usl_atl2_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.042+/-0.041 χ^2/NDF: 11.8/16

Left Out: 0.032+/-0.076 χ^2/NDF:29.7/23

Right Out: -0.017+/-0.033 χ^2/NDF: 28.2/19

Left In: 0.067+/-0.075 χ^2/NDF:25.7/22

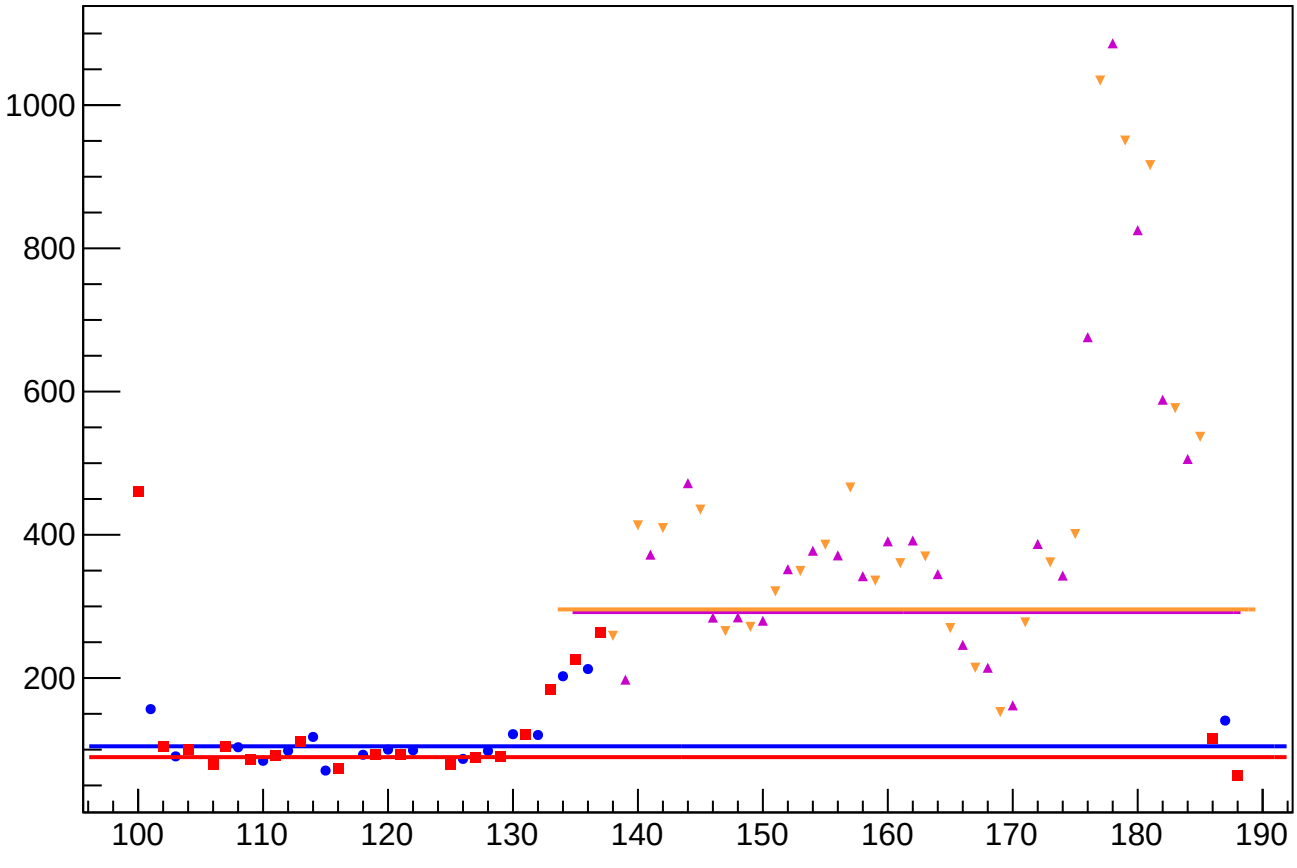
Left: 0.050+/-0.053 χ^2/NDF: 55.5/46

Right: 0.007+/-0.026 χ^2/NDF: 41.2/36

In: 0.048+/-0.036 χ^2/NDF:37.5/39

Out: -0.009+/-0.031 χ^2/NDF:58.3/43

All: 0.015+/-0.023 χ^2/NDF: 97.2/83



Right In: 104.651+/-0.029 χ^2/NDF: 1013802.0/16

Left Out: 295.798+/-0.054 χ^2/NDF:5501077.8/23

Right Out: 89.527+/-0.024 χ^2/NDF: 1337474.4/19

Left In: 292.100+/-0.053 χ^2/NDF:5055737.7/22

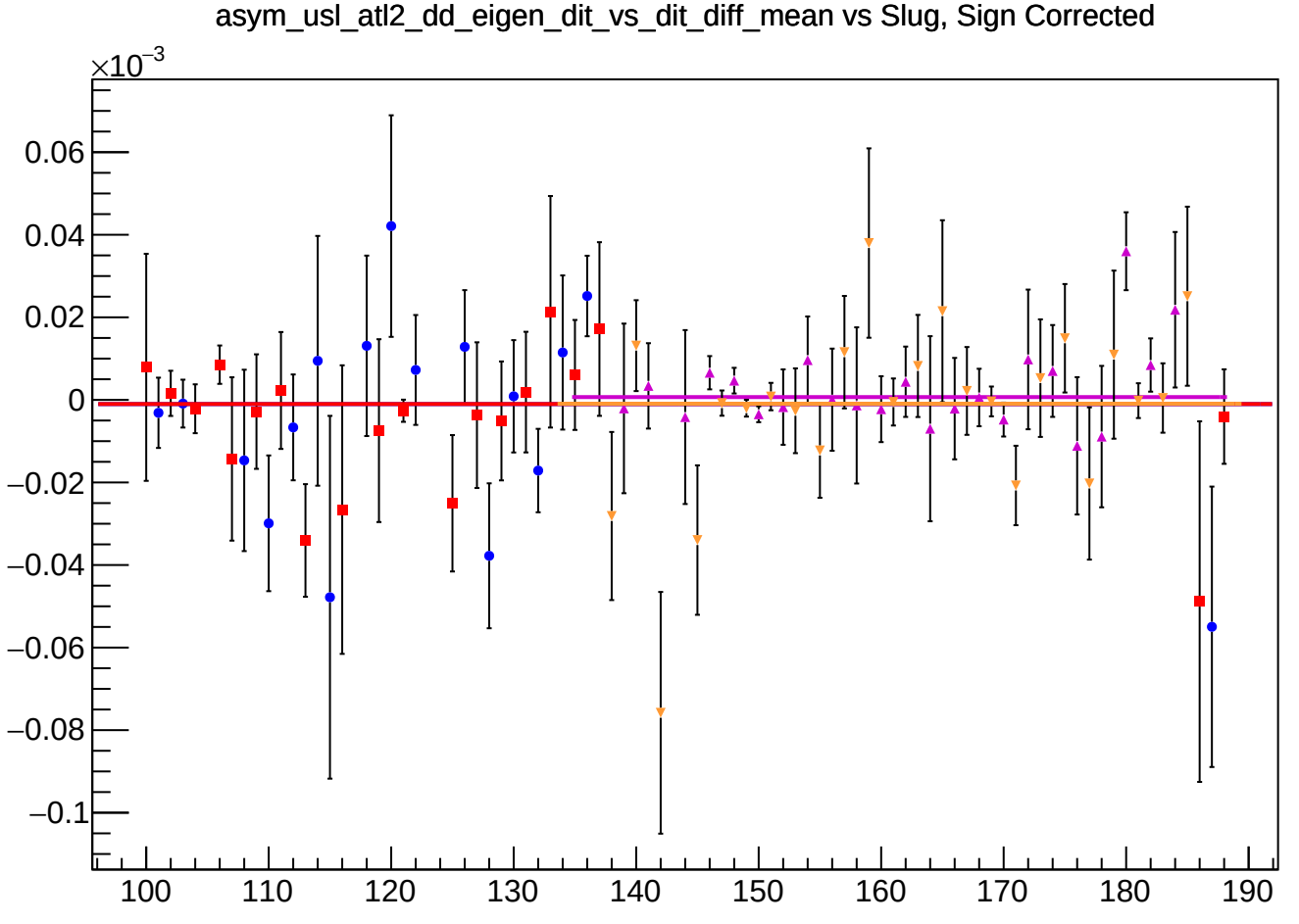
Left: 293.917+/-0.038 χ^2/NDF: 10559224.0/46

Right: 95.616+/-0.018 χ^2/NDF: 2516114.4/36

In: 147.572+/-0.025 χ^2/NDF:15774272.7/39

Out: 122.955+/-0.022 χ^2/NDF:19181954.1/43

All: 133.362+/-0.016 χ^2/NDF: 35503509.4/83



Right In: -0.000+/-0.000 χ^2/NDF: 26.5/16

Left Out: -0.000+/-0.000 χ^2/NDF:29.1/23

Right Out: -0.000+/-0.000 χ^2/NDF: 17.1/19

Left In: 0.000+/-0.000 χ^2/NDF:29.8/22

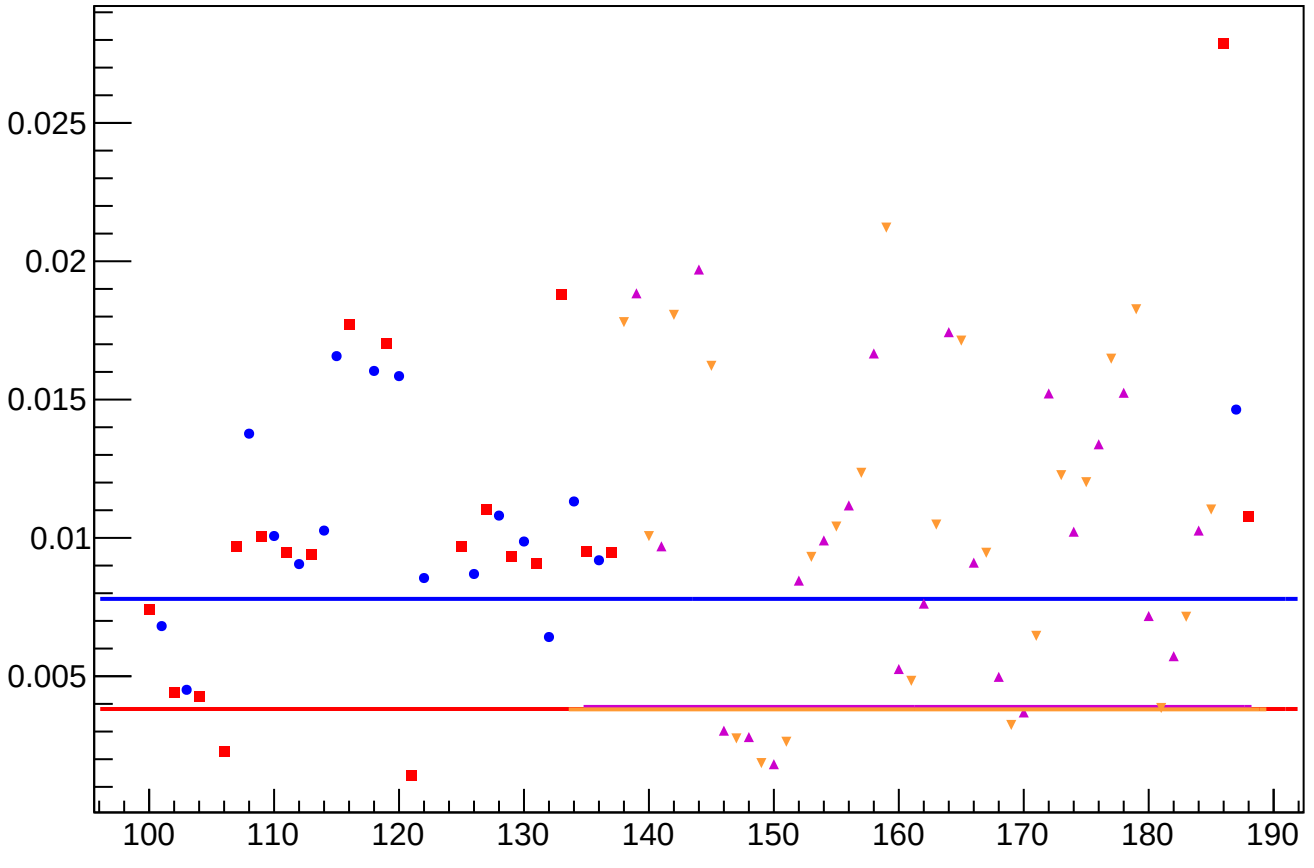
Left: -0.000+/-0.000 χ^2/NDF: 59.8/46

Right: -0.000+/-0.000 χ^2/NDF: 43.7/36

In: 0.000+/-0.000 χ^2/NDF:56.6/39

Out: -0.000+/-0.000 χ^2/NDF:46.2/43

All: -0.000+/-0.000 χ^2/NDF: 103.6/83



Right In: 0.008+/-0.000 χ^2/NDF: 1783348.4/16

Left Out: 0.004+/-0.000 χ^2/NDF:14624926.4/23

Right Out: 0.004+/-0.000 χ^2/NDF: 7740379.4/19

Left In: 0.004+/-0.000 χ^2/NDF:13523554.3/22

Left: 0.004+/-0.000 χ^2/NDF: 28153751.6/46

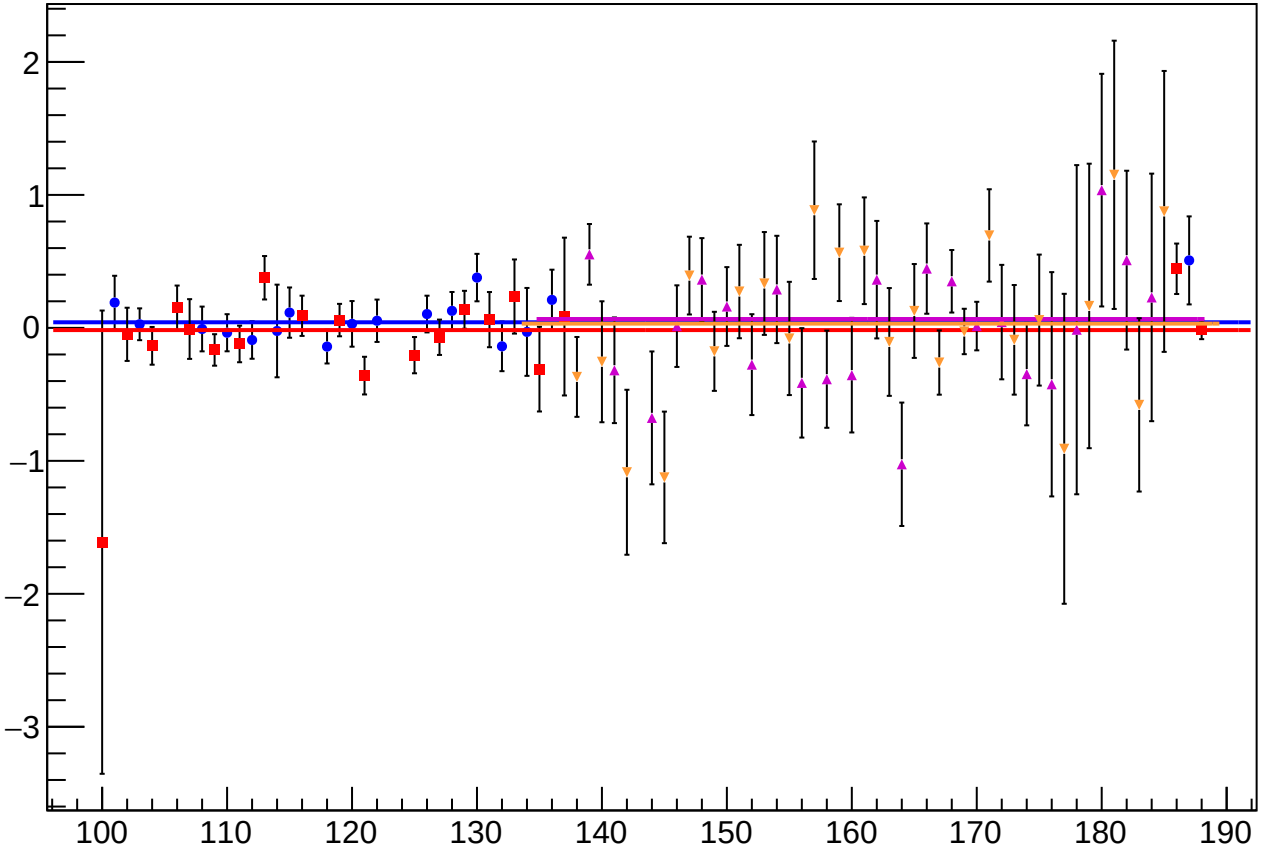
Right: 0.005+/-0.000 χ^2/NDF: 11979261.4/36

In: 0.004+/-0.000 χ^2/NDF:18047604.2/39

Out: 0.004+/-0.000 χ^2/NDF:22365382.0/43

All: 0.004+/-0.000 χ^2/NDF: 40745791.9/83

asym_usl_atl2_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.042+/-0.041 χ^2/NDF: 11.8/16

Left Out: 0.032+/-0.076 χ^2/NDF:29.7/23

Right Out: -0.017+/-0.033 χ^2/NDF: 28.2/19

Left In: 0.067+/-0.075 χ^2/NDF:25.7/22

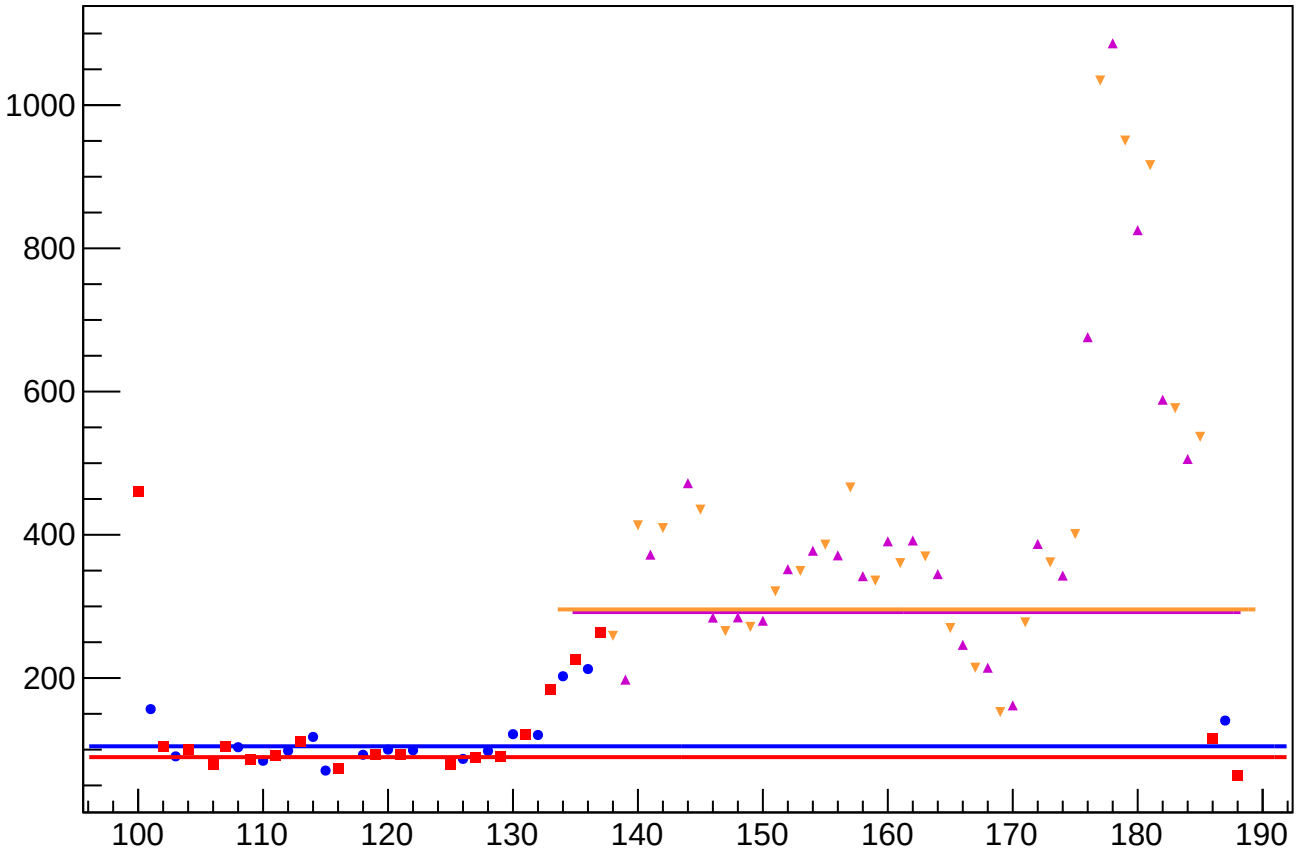
Left: 0.050+/-0.053 χ^2/NDF: 55.5/46

Right: 0.007+/-0.026 χ^2/NDF: 41.2/36

In: 0.048+/-0.036 χ^2/NDF:37.5/39

Out: -0.009+/-0.031 χ^2/NDF:58.3/43

All: 0.015+/-0.023 χ^2/NDF: 97.2/83



Right In: 104.652+/-0.029 χ^2/NDF: 1013759.0/16

Left Out: 295.800+/-0.054 χ^2/NDF:5501139.3/23

Right Out: 89.527+/-0.024 χ^2/NDF: 1337474.2/19

Left In: 292.103+/-0.053 χ^2/NDF:5055695.7/22

Left: 293.920+/-0.038 χ^2/NDF: 10559241.5/46

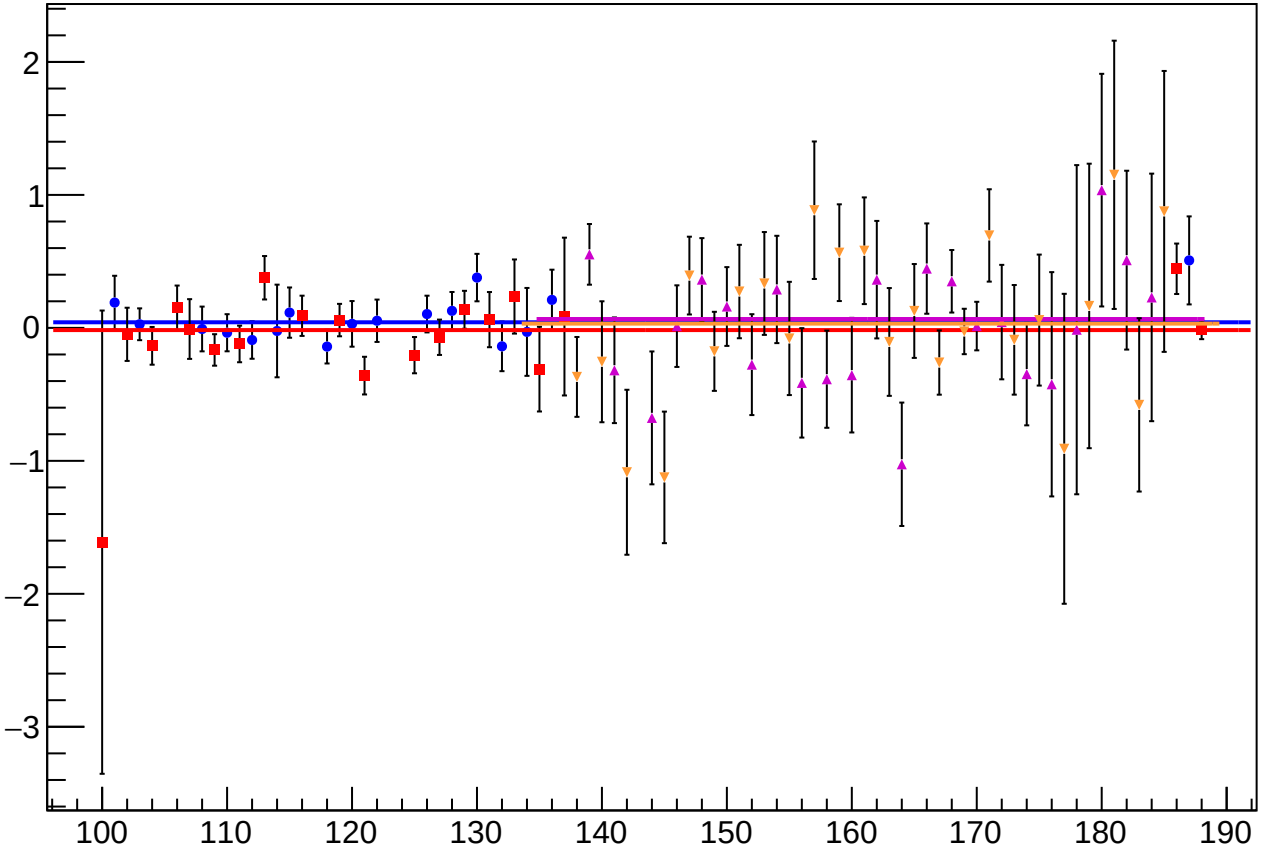
Right: 95.616+/-0.018 χ^2/NDF: 2516104.5/36

In: 147.574+/-0.025 χ^2/NDF:15774248.7/39

Out: 122.954+/-0.022 χ^2/NDF:19182196.3/43

All: 133.362+/-0.016 χ^2/NDF: 35503823.5/83

asym_usl_atl2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.042+/-0.041 χ^2/NDF: 11.8/16

Left Out: 0.032+/-0.076 χ^2/NDF:29.7/23

Right Out: -0.017+/-0.033 χ^2/NDF: 28.2/19

Left In: 0.067+/-0.075 χ^2/NDF:25.7/22

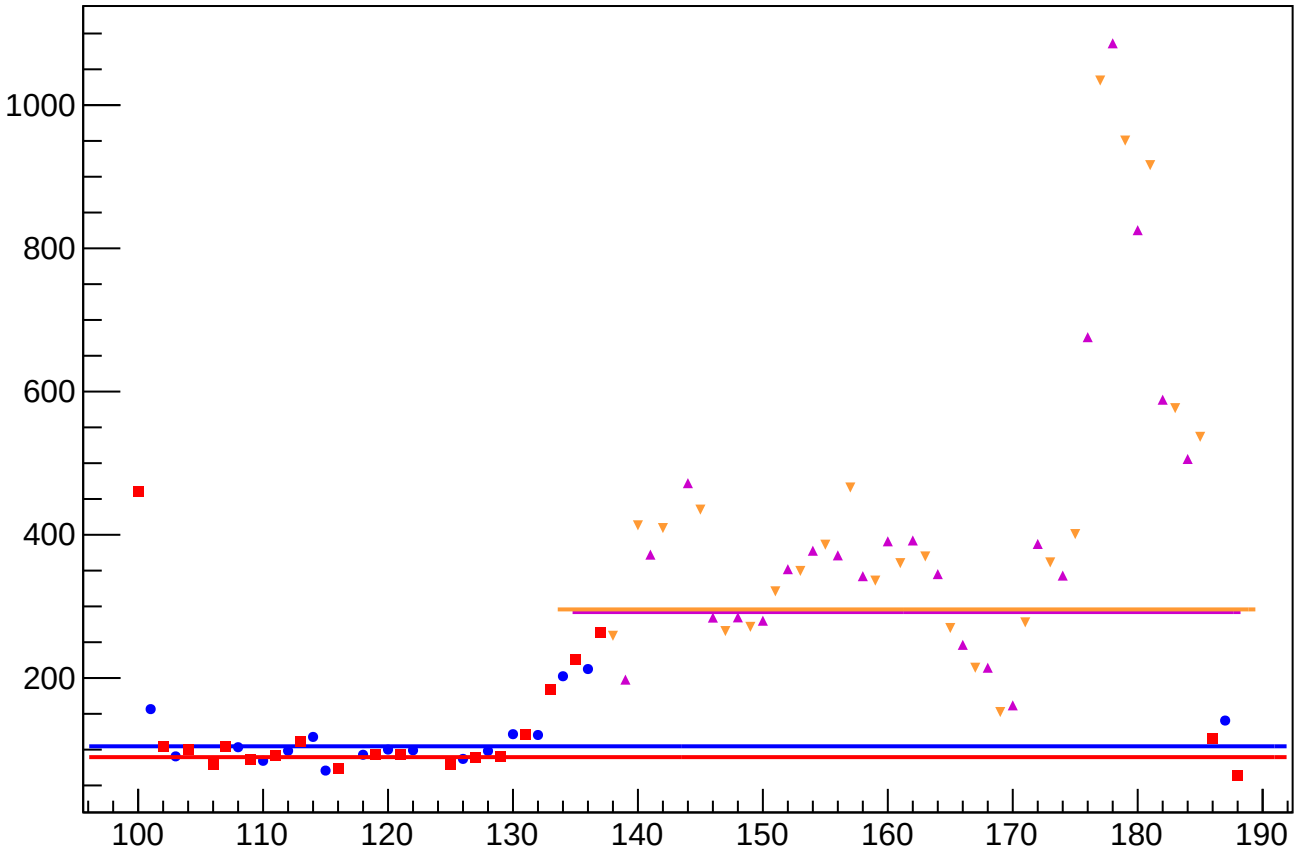
Left: 0.050+/-0.053 χ^2/NDF: 55.5/46

Right: 0.007+/-0.026 χ^2/NDF: 41.2/36

In: 0.048+/-0.036 χ^2/NDF:37.5/39

Out: -0.009+/-0.031 χ^2/NDF:58.3/43

All: 0.015+/-0.023 χ^2/NDF: 97.2/83



Right In: 104.652+/-0.029 χ^2/NDF: 1013759.0/16

Left Out: 295.800+/-0.054 χ^2/NDF:5501139.3/23

Right Out: 89.527+/-0.024 χ^2/NDF: 1337474.2/19

Left In: 292.103+/-0.053 χ^2/NDF:5055695.7/22

Left: 293.920+/-0.038 χ^2/NDF: 10559241.5/46

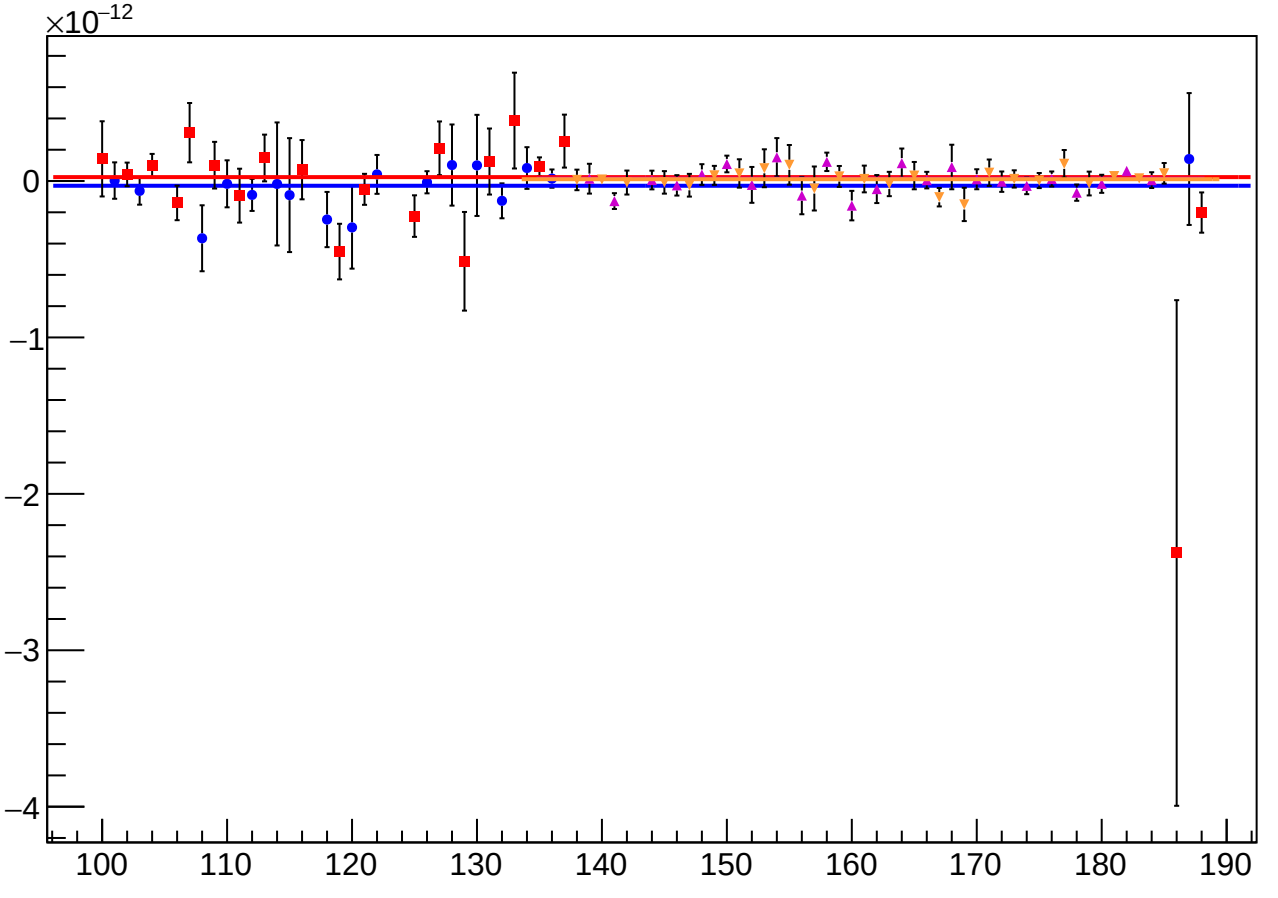
Right: 95.616+/-0.018 χ^2/NDF: 2516104.5/36

In: 147.574+/-0.025 χ^2/NDF:15774248.7/39

Out: 122.954+/-0.022 χ^2/NDF:19182196.3/43

All: 133.362+/-0.016 χ^2/NDF: 35503823.5/83

asym_usl_atl2_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 8.7/16

Left Out: 0.000+/-0.000 χ^2/NDF:10.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 32.5/19

Left In: 0.000+/-0.000 χ^2/NDF:30.9/22

Left: 0.000+/-0.000 χ^2/NDF: 41.5/46

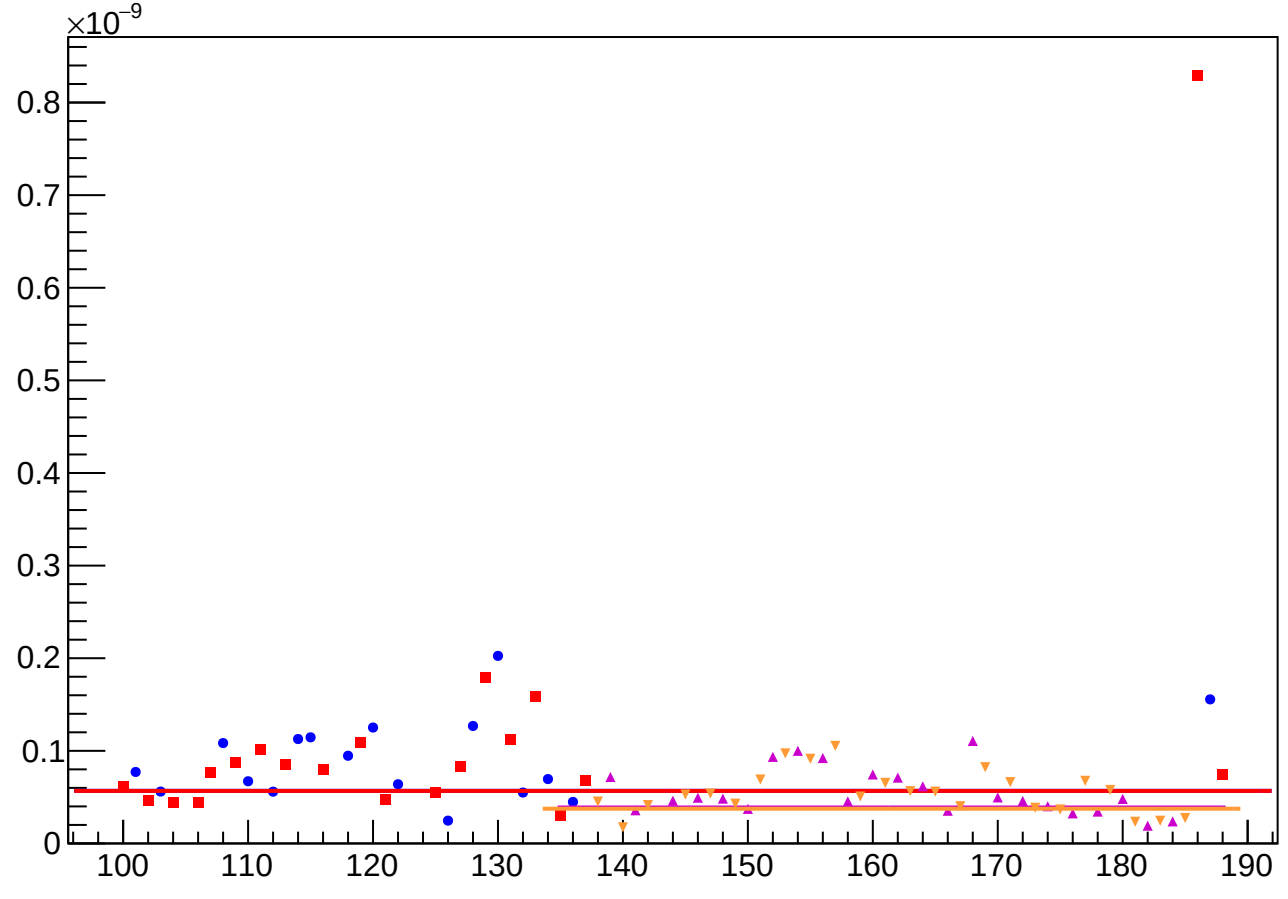
Right: -0.000+/-0.000 χ^2/NDF: 43.1/36

In: 0.000+/-0.000 χ^2/NDF:41.6/39

Out: 0.000+/-0.000 χ^2/NDF:43.3/43

All: 0.000+/-0.000 χ^2/NDF: 85.1/83

asym_usl_atl2_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1692981.9/16

Left Out: 0.000+/-0.000 χ^2/NDF:4983727.4/23

Right Out: 0.000+/-0.000 χ^2/NDF: 2264794.0/19

Left In: 0.000+/-0.000 χ^2/NDF:4577795.4/22

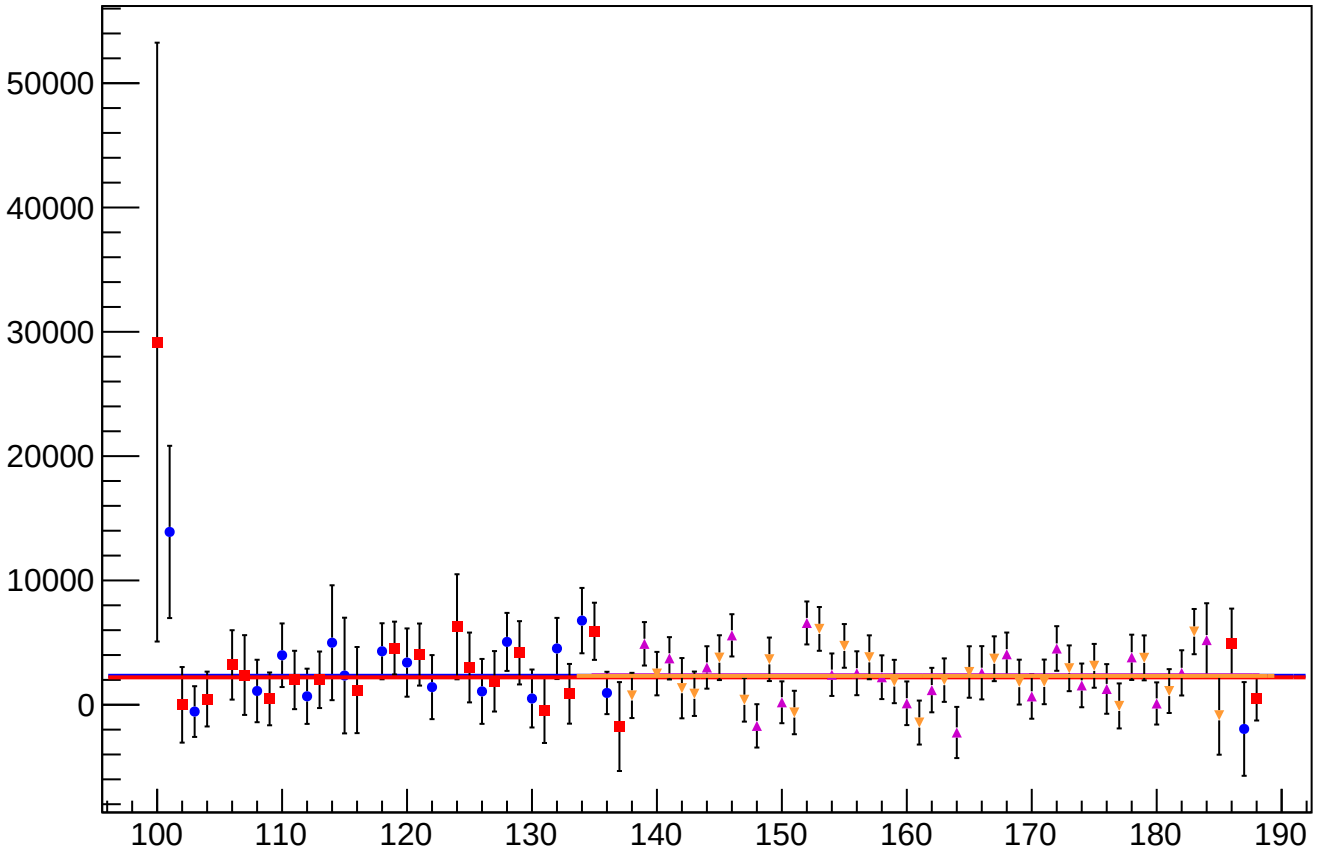
Left: 0.000+/-0.000 χ^2/NDF: 9574010.5/46

Right: 0.000+/-0.000 χ^2/NDF: 3957783.7/36

In: 0.000+/-0.000 χ^2/NDF:6906618.9/39

Out: 0.000+/-0.000 χ^2/NDF:8043633.4/43

All: 0.000+/-0.000 χ^2/NDF: 14958079.6/83



Right In: 2330.373+/-621.603 χ^2/NDF: 15.2/16

Left Out: 2321.067+/-366.301 χ^2/NDF:27.5/24

Right Out: 2203.890+/-562.967 χ^2/NDF: 13.8/20

Left In: 2370.629+/-376.798 χ^2/NDF:33.7/22

Left: 2345.148+/-262.646 χ^2/NDF: 61.2/47

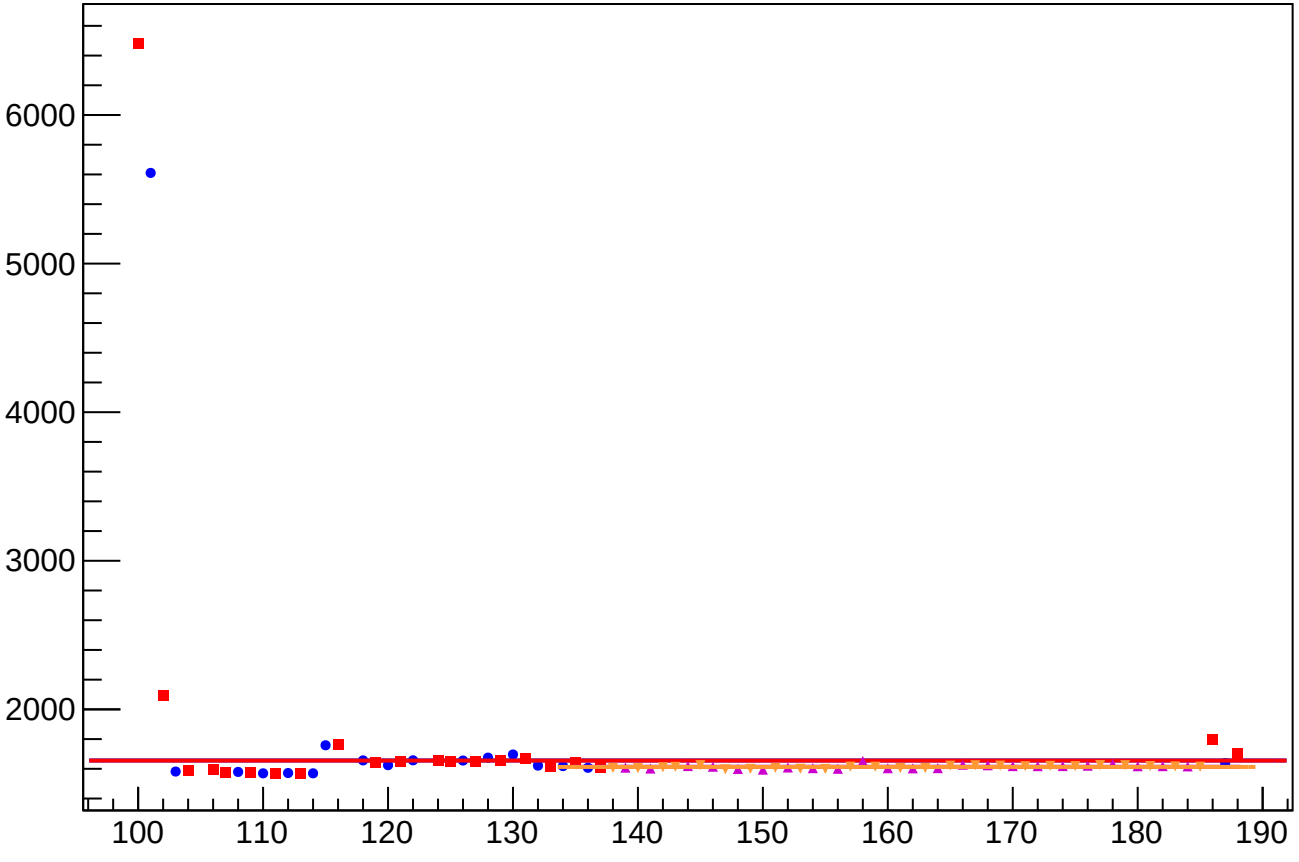
Right: 2260.886+/-417.272 χ^2/NDF: 29.0/37

In: 2359.812+/-322.221 χ^2/NDF:48.9/39

Out: 2286.214+/-307.030 χ^2/NDF:41.3/45

All: 2321.237+/-222.279 χ^2/NDF: 90.3/85

reg_asym_usr_atr1_avg_rms vs Slug, Sign Corrected



Right In: 1656.173+/-0.440 χ^2/NDF: 666274.3/16

Left Out: 1612.607+/-0.259 χ^2/NDF:1172.5/24

Right Out: 1655.535+/-0.398 χ^2/NDF: 144045.5/20

Left In: 1613.793+/-0.266 χ^2/NDF:2354.6/22

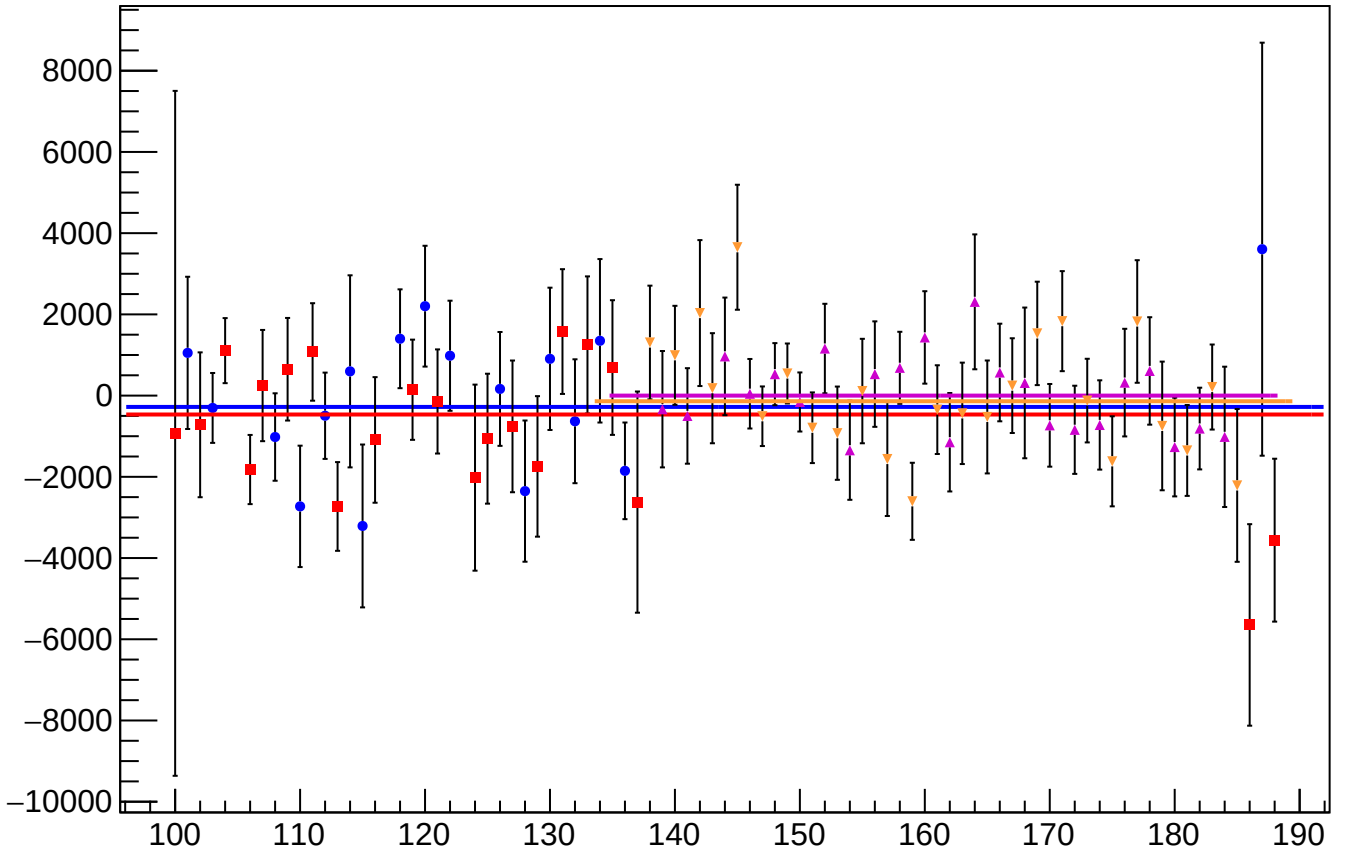
Left: 1613.183+/-0.186 χ^2/NDF: 3537.3/47

Right: 1655.823+/-0.295 χ^2/NDF: 810320.9/37

In: 1625.181+/-0.228 χ^2/NDF:675427.5/39

Out: 1625.376+/-0.217 χ^2/NDF:153388.1/45

All: 1625.283+/-0.157 χ^2/NDF: 828816.0/85



Right In: -278.735+/-342.656 χ^2/NDF: 16.5/16

Left Out: -139.022+/-229.126 χ^2/NDF:30.2/24

Right Out: -465.472+/-306.860 χ^2/NDF: 25.7/20

Left In: -0.092+/-231.903 χ^2/NDF:12.9/22

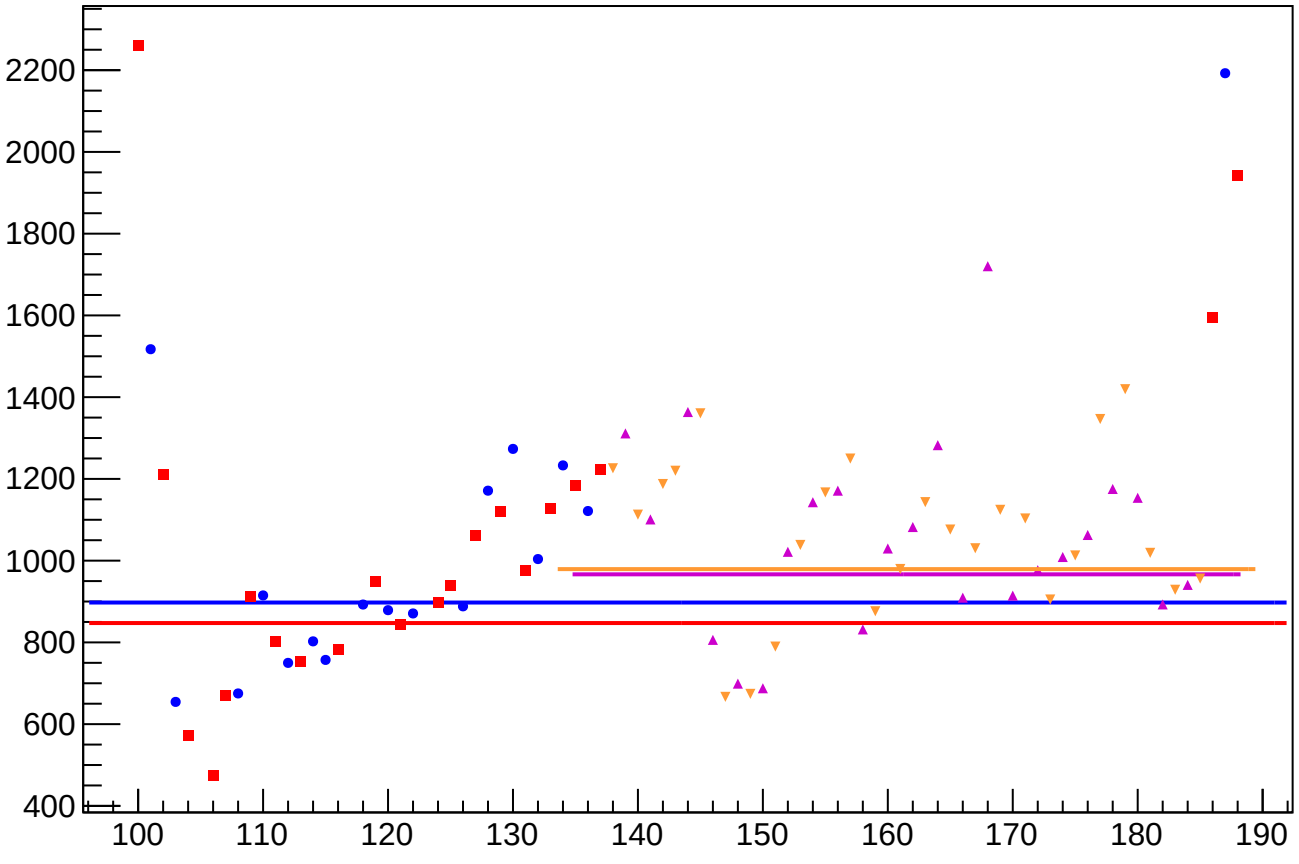
Left: -70.394+/-162.990 χ^2/NDF: 43.2/47

Right: -382.364+/-228.594 χ^2/NDF: 42.4/37

In: -87.626+/-192.054 χ^2/NDF:29.9/39

Out: -255.877+/-183.593 χ^2/NDF:56.6/45

All: -175.539+/-132.710 χ^2/NDF: 86.8/85



Right In: 897.540+/-0.242 χ^2/NDF: 924189.7/16

Left Out: 979.294+/-0.162 χ^2/NDF:1630623.2/24

Right Out: 847.352+/-0.217 χ^2/NDF: 1891366.1/20

Left In: 966.526+/-0.164 χ^2/NDF:1602596.2/22

Left: 972.987+/-0.115 χ^2/NDF: 3236287.4/47

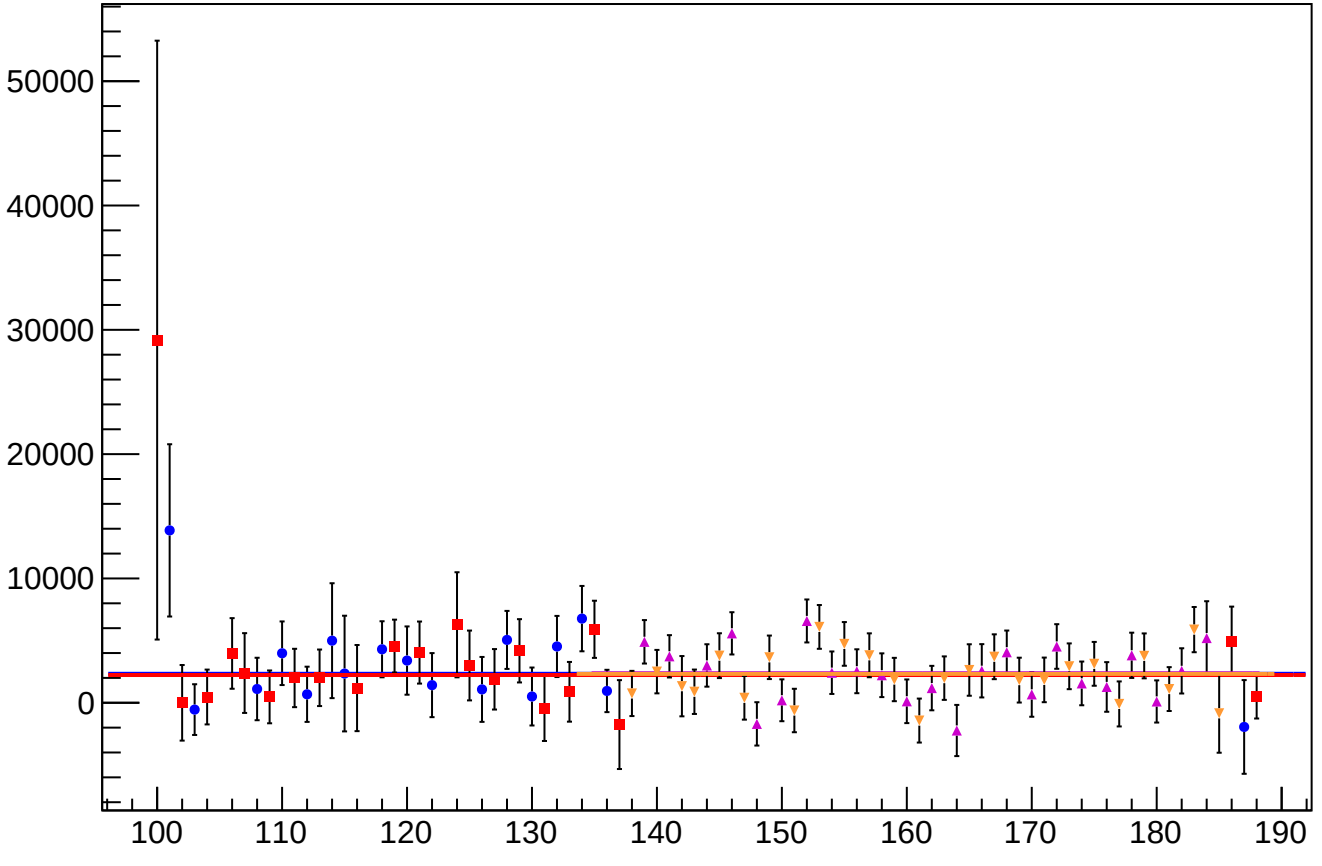
Right: 869.688+/-0.162 χ^2/NDF: 2839365.7/37

In: 944.854+/-0.136 χ^2/NDF:2582385.9/39

Out: 932.064+/-0.130 χ^2/NDF:3759390.3/45

All: 938.171+/-0.094 χ^2/NDF: 6346410.7/85

cor_asym_usr_atr1_avg_mean vs Slug, Sign Corrected



Right In: 2329.842+/-621.603 χ^2/NDF: 15.1/16

Left Out: 2321.025+/-366.301 χ^2/NDF:27.5/24

Right Out: 2232.735+/-563.362 χ^2/NDF: 14.1/20

Left In: 2370.700+/-376.798 χ^2/NDF:33.7/22

Left: 2345.161+/-262.646 χ^2/NDF: 61.2/47

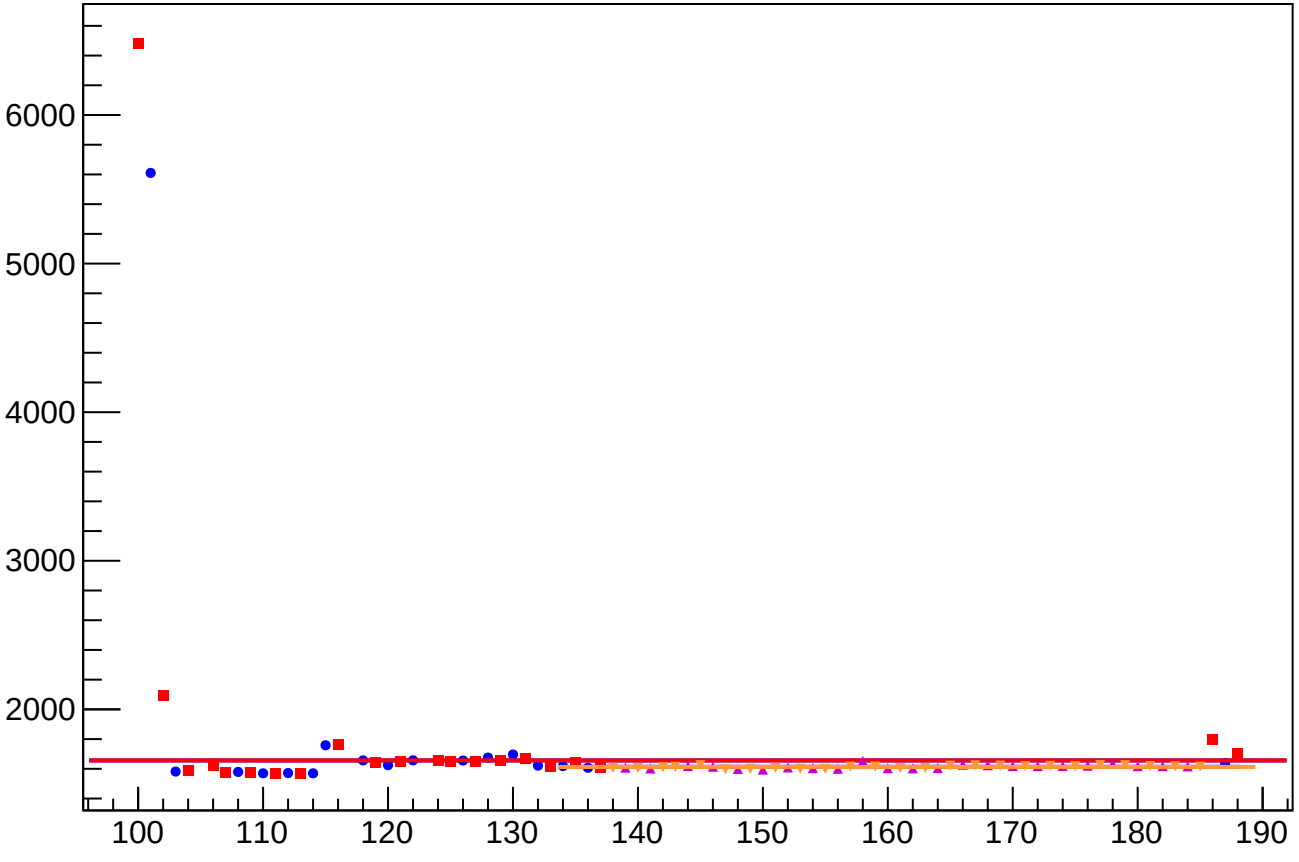
Right: 2276.527+/-417.432 χ^2/NDF: 29.2/37

In: 2359.721+/-322.221 χ^2/NDF:48.9/39

Out: 2294.790+/-307.094 χ^2/NDF:41.6/45

All: 2325.696+/-222.304 χ^2/NDF: 90.5/85

cor_asym_usr_atr1_avg_rms vs Slug, Sign Corrected



Right In: 1656.173+/-0.440 χ^2/NDF: 666273.8/16

Left Out: 1612.607+/-0.259 χ^2/NDF:1172.5/24

Right Out: 1656.664+/-0.398 χ^2/NDF: 143360.9/20

Left In: 1613.793+/-0.266 χ^2/NDF:2354.6/22

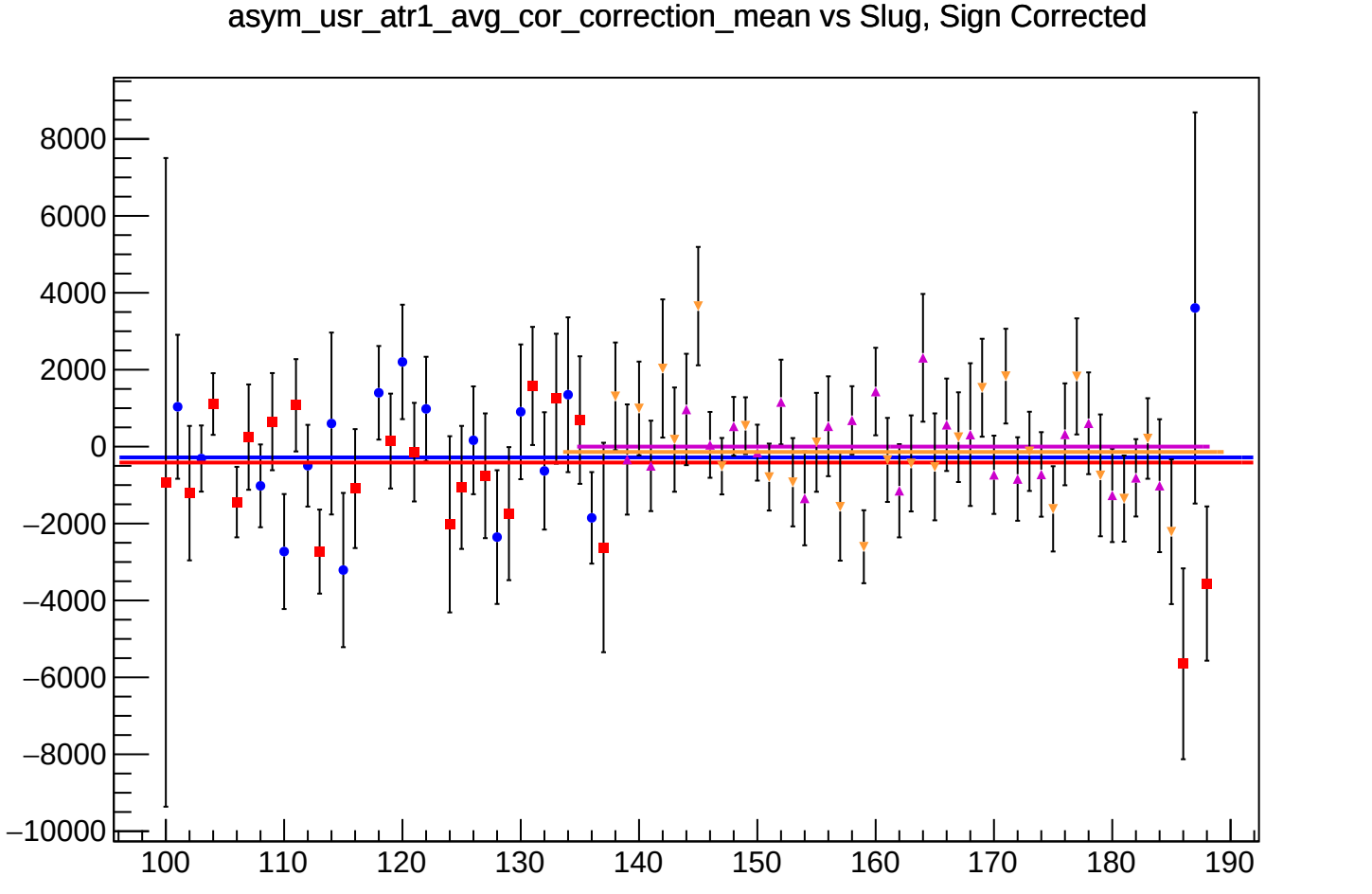
Left: 1613.184+/-0.186 χ^2/NDF: 3537.3/47

Right: 1656.443+/-0.295 χ^2/NDF: 809635.4/37

In: 1625.181+/-0.228 χ^2/NDF:675427.0/39

Out: 1625.699+/-0.217 χ^2/NDF:153130.5/45

All: 1625.452+/-0.157 χ^2/NDF: 828560.2/85



Right In: -280.077+/-342.611 χ^2/NDF: 16.5/16

Left Out: -139.074+/-229.125 χ^2/NDF:30.2/24

Right Out: -413.963+/-309.472 χ^2/NDF: 24.4/20

Left In: -0.068+/-231.904 χ^2/NDF:12.9/22

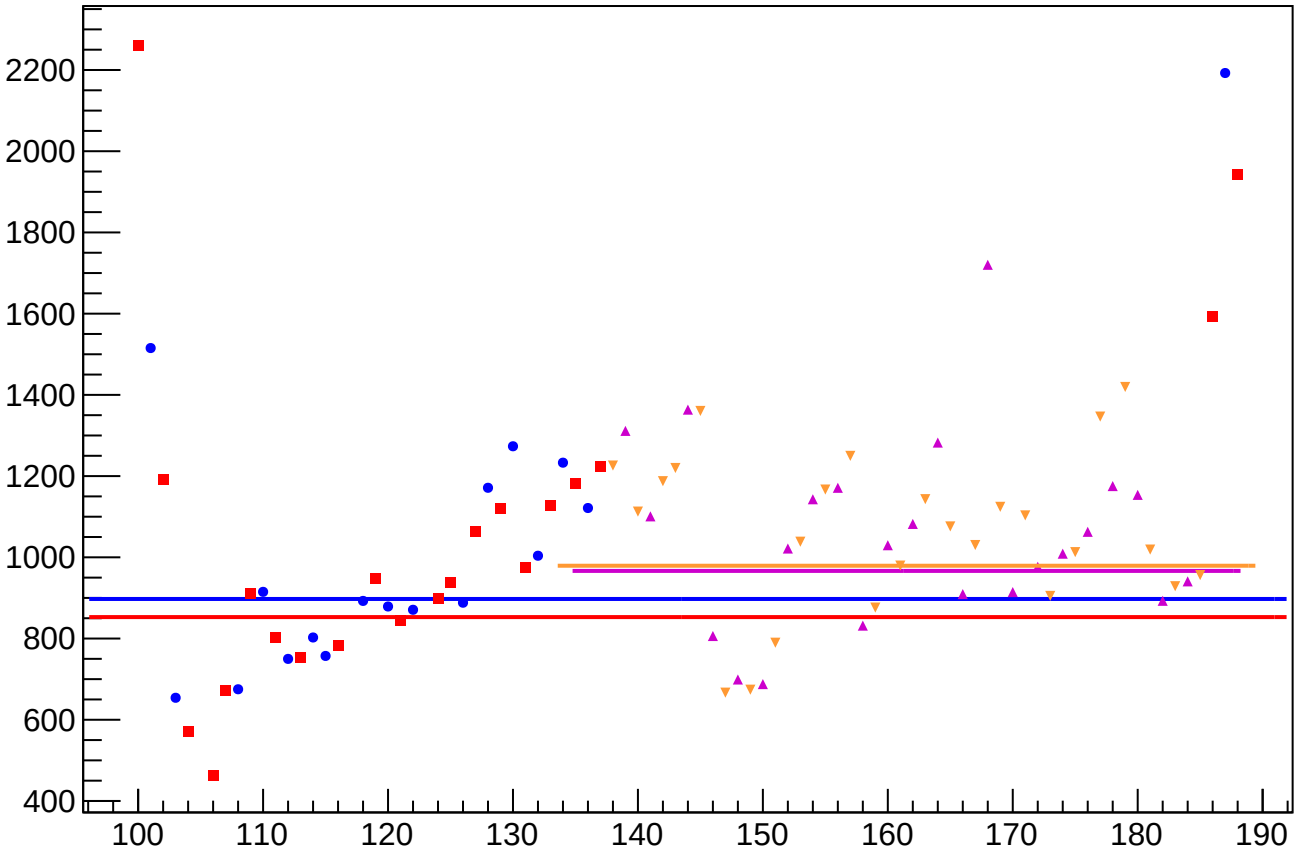
Left: -70.408+/-162.990 χ^2/NDF: 43.2/47

Right: -353.807+/-229.654 χ^2/NDF: 41.1/37

In: -88.048+/-192.046 χ^2/NDF:29.9/39

Out: -236.404+/-184.147 χ^2/NDF:55.1/45

All: -165.339+/-132.917 χ^2/NDF: 85.3/85



Right In: 897.438+/-0.242 χ^2/NDF: 923973.2/16

Left Out: 979.288+/-0.162 χ^2/NDF:1630731.2/24

Right Out: 852.812+/-0.219 χ^2/NDF: 1852133.1/20

Left In: 966.531+/-0.164 χ^2/NDF:1602562.1/22

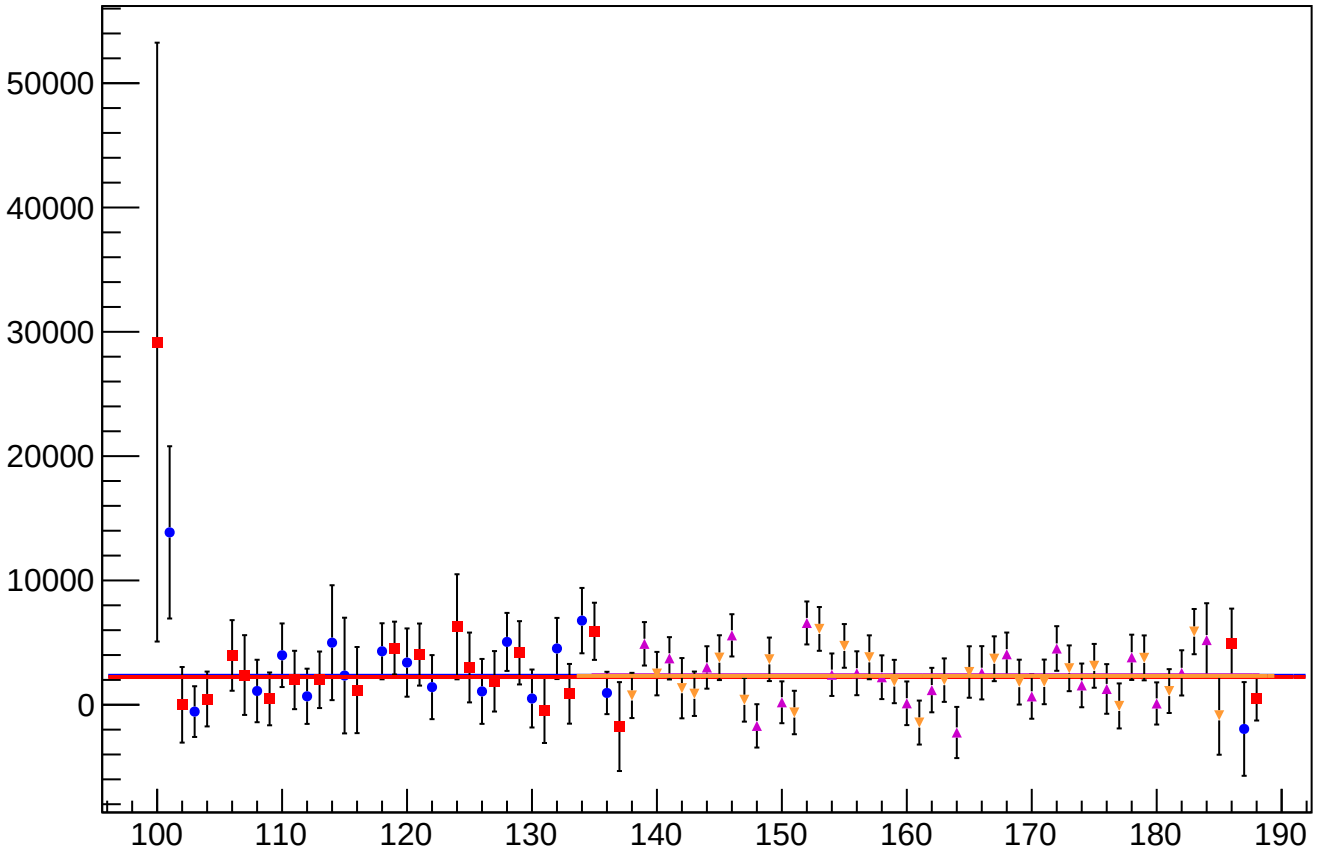
Left: 972.987+/-0.115 χ^2/NDF: 3236355.9/47

Right: 872.863+/-0.162 χ^2/NDF: 2794792.4/37

In: 944.822+/-0.136 χ^2/NDF:2582317.1/39

Out: 934.507+/-0.130 χ^2/NDF:3698635.0/45

All: 939.448+/-0.094 χ^2/NDF: 6283958.3/85



Right In: 2329.842+/-621.603 χ^2/NDF: 15.1/16

Left Out: 2321.025+/-366.301 χ^2/NDF:27.5/24

Right Out: 2232.735+/-563.362 χ^2/NDF: 14.1/20

Left In: 2370.700+/-376.798 χ^2/NDF:33.7/22

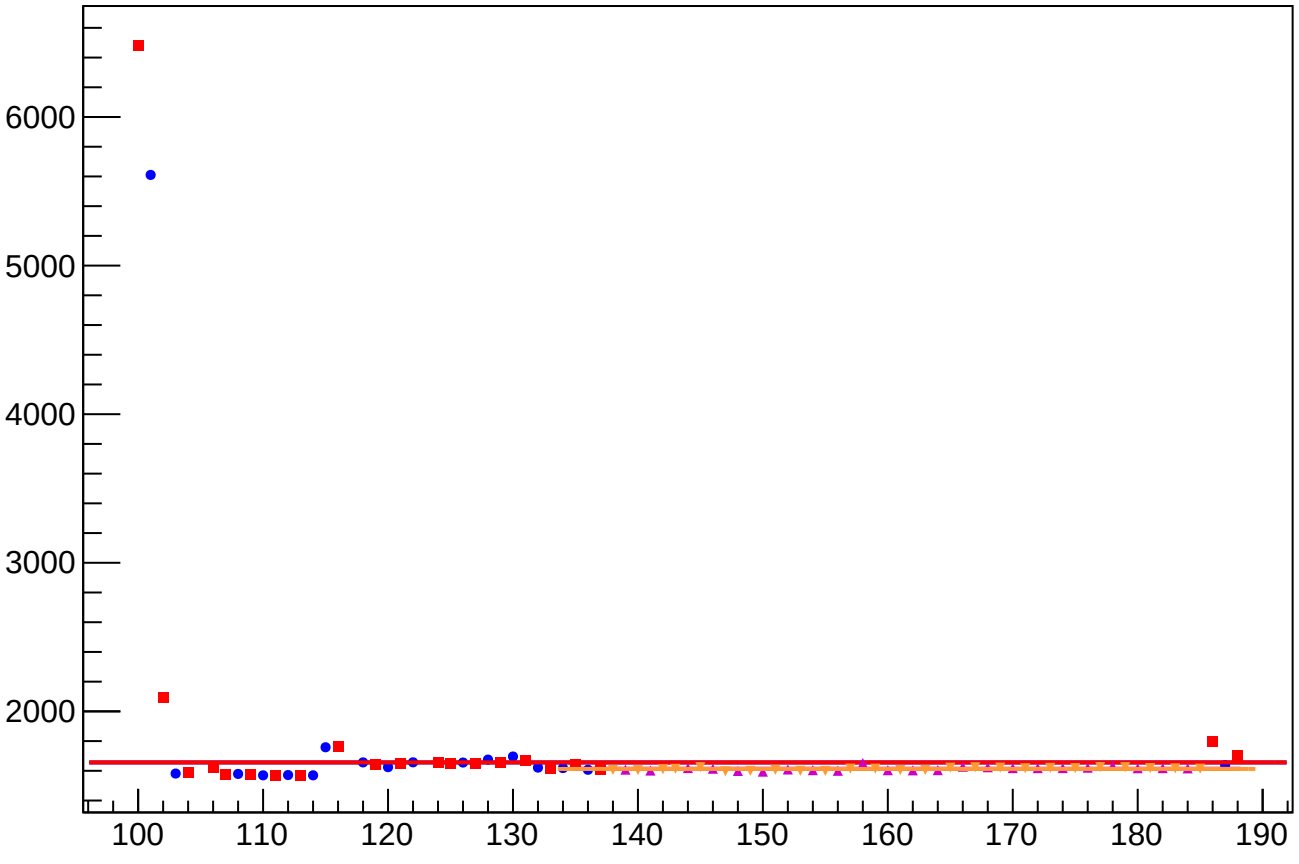
Left: 2345.161+/-262.646 χ^2/NDF: 61.2/47

Right: 2276.527+/-417.432 χ^2/NDF: 29.2/37

In: 2359.721+/-322.221 χ^2/NDF:48.9/39

Out: 2294.790+/-307.094 χ^2/NDF:41.6/45

All: 2325.696+/-222.304 χ^2/NDF: 90.5/85



Right In: 1656.173+/-0.440 χ^2/NDF: 666273.8/16

Left Out: 1612.607+/-0.259 χ^2/NDF:1172.5/24

Right Out: 1656.664+/-0.398 χ^2/NDF: 143360.9/20

Left In: 1613.793+/-0.266 χ^2/NDF:2354.6/22

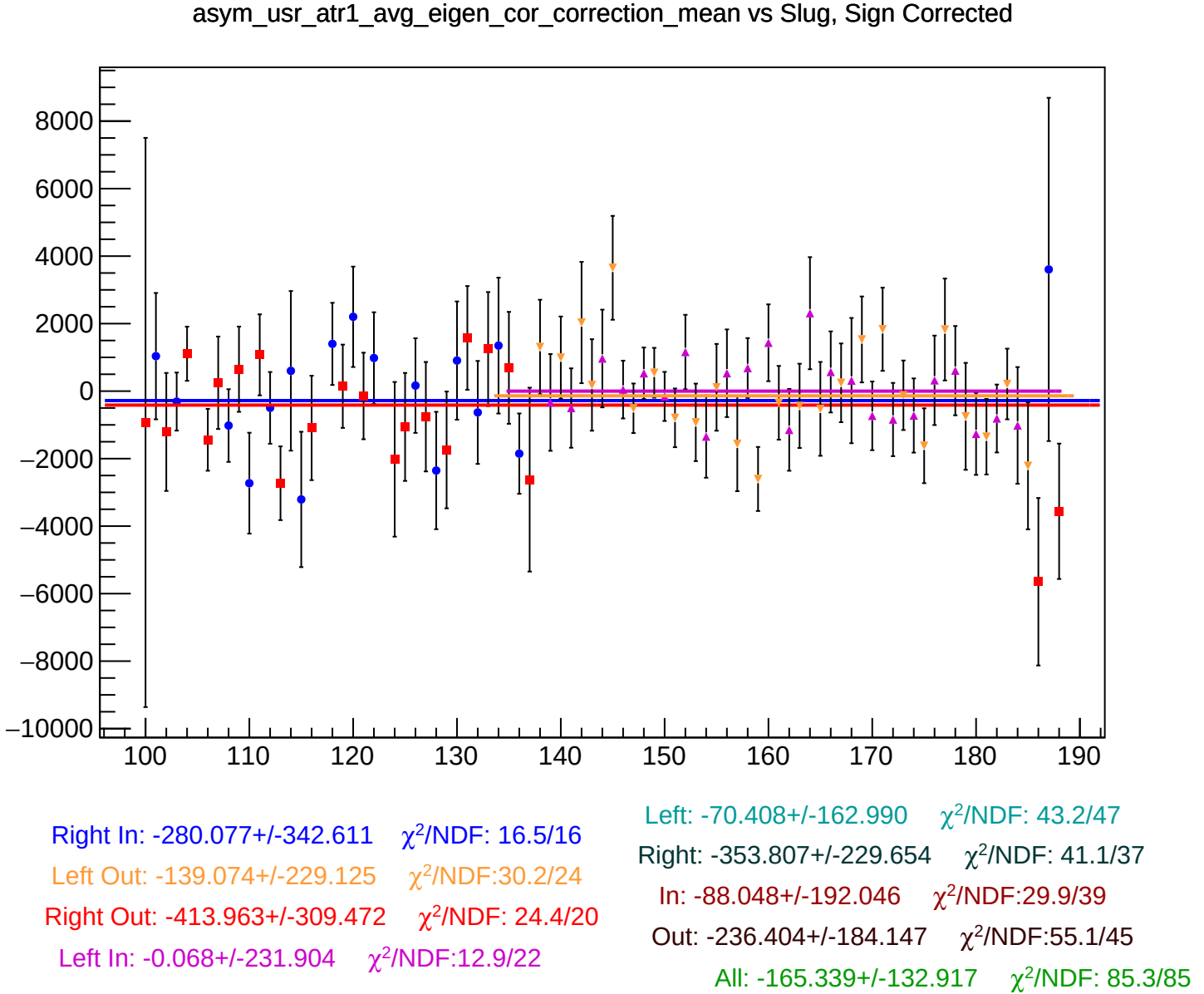
Left: 1613.184+/-0.186 χ^2/NDF: 3537.3/47

Right: 1656.443+/-0.295 χ^2/NDF: 809635.4/37

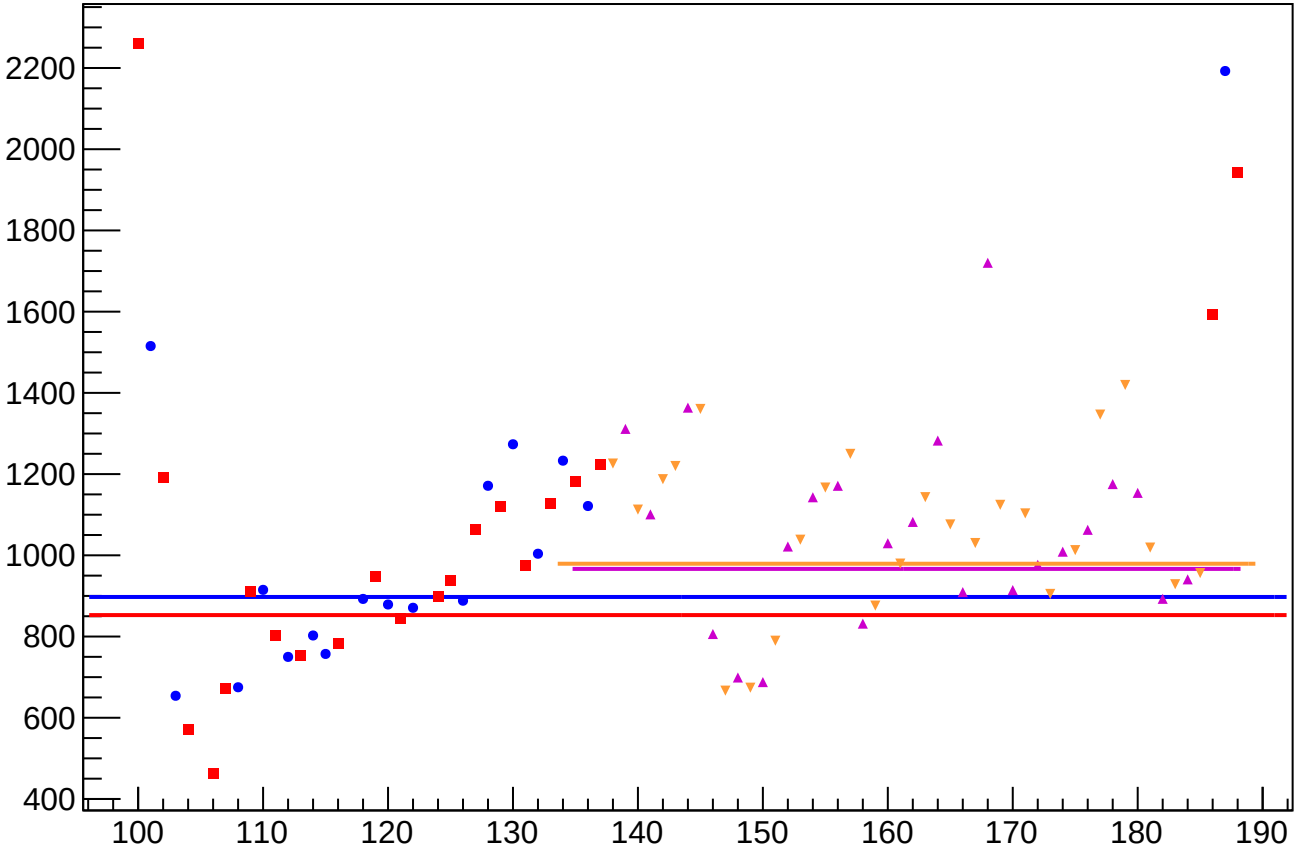
In: 1625.181+/-0.228 χ^2/NDF:675427.0/39

Out: 1625.699+/-0.217 χ^2/NDF:153130.5/45

All: 1625.452+/-0.157 χ^2/NDF: 828560.2/85


asym_usr_atr1_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
100
110
120
130
140
150
160
170
180
190
Right In: -280.077+/-342.611 χ²/NDF: 16.5/16
Left Out: -139.074+/-229.125 χ²/NDF:30.2/24
Right Out: -413.963+/-309.472 χ²/NDF: 24.4/20
Left In: -0.068+/-231.904 χ²/NDF:12.9/22
Left: -70.408+/-162.990 χ²/NDF: 43.2/47
Right: -353.807+/-229.654 χ²/NDF: 41.1/37
In: -88.048+/-192.046 χ²/NDF:29.9/39
Out: -236.404+/-184.147 χ²/NDF:55.1/45
All: -165.339+/-132.917 χ²/NDF: 85.3/85

asym_usr_atr1_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 897.438+/-0.242 χ^2/NDF: 923973.2/16

Left Out: 979.288+/-0.162 χ^2/NDF:1630731.2/24

Right Out: 852.812+/-0.219 χ^2/NDF: 1852133.1/20

Left In: 966.531+/-0.164 χ^2/NDF:1602562.1/22

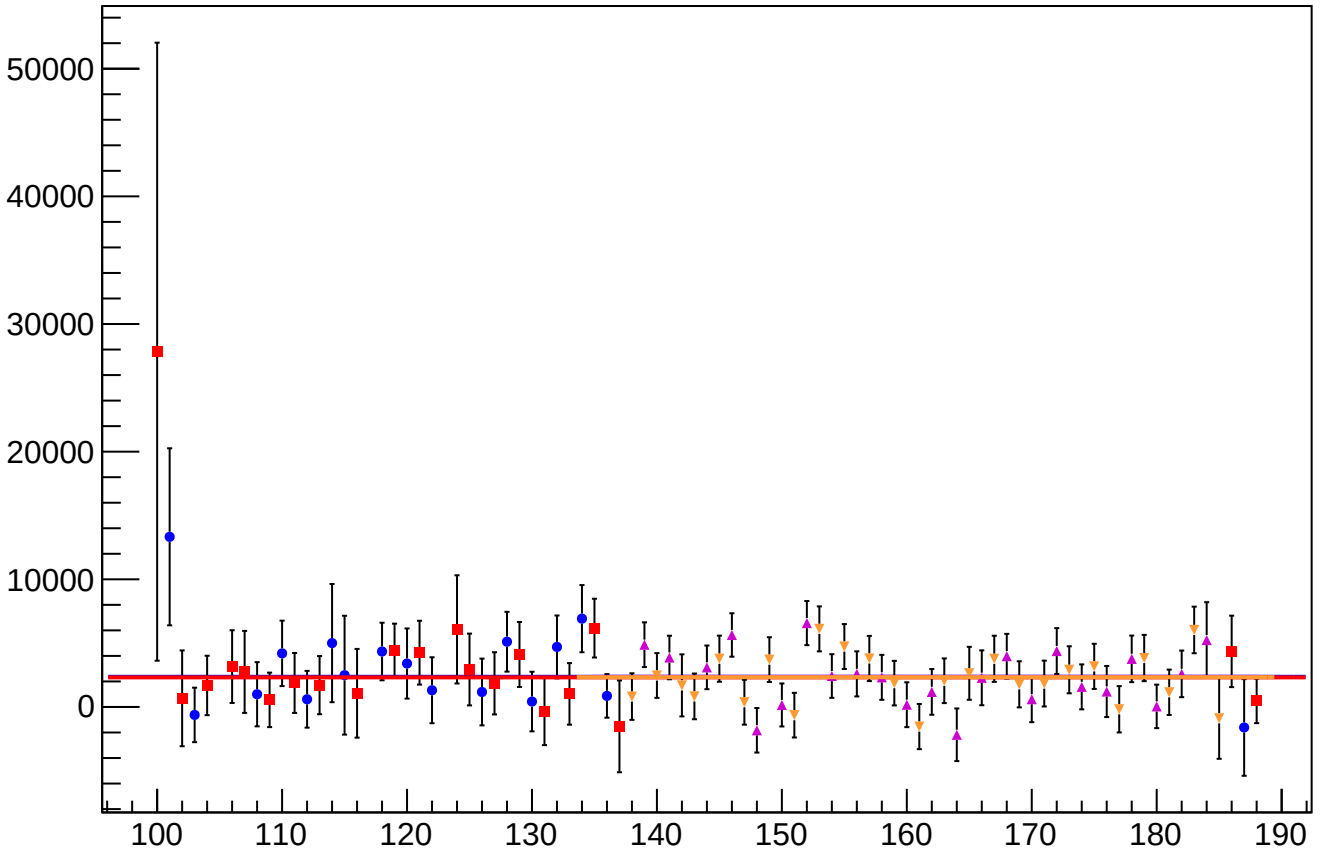
Left: 972.987+/-0.115 χ^2/NDF: 3236355.9/47

Right: 872.863+/-0.162 χ^2/NDF: 2794792.4/37

In: 944.822+/-0.136 χ^2/NDF:2582317.1/39

Out: 934.507+/-0.130 χ^2/NDF:3698635.0/45

All: 939.448+/-0.094 χ^2/NDF: 6283958.3/85



Right In: 2364.008+/-625.168 χ^2/NDF: 15.3/16

Left Out: 2334.840+/-366.991 χ^2/NDF:28.3/24

Right Out: 2316.477+/-569.836 χ^2/NDF: 12.2/20

Left In: 2360.289+/-377.400 χ^2/NDF:34.0/22

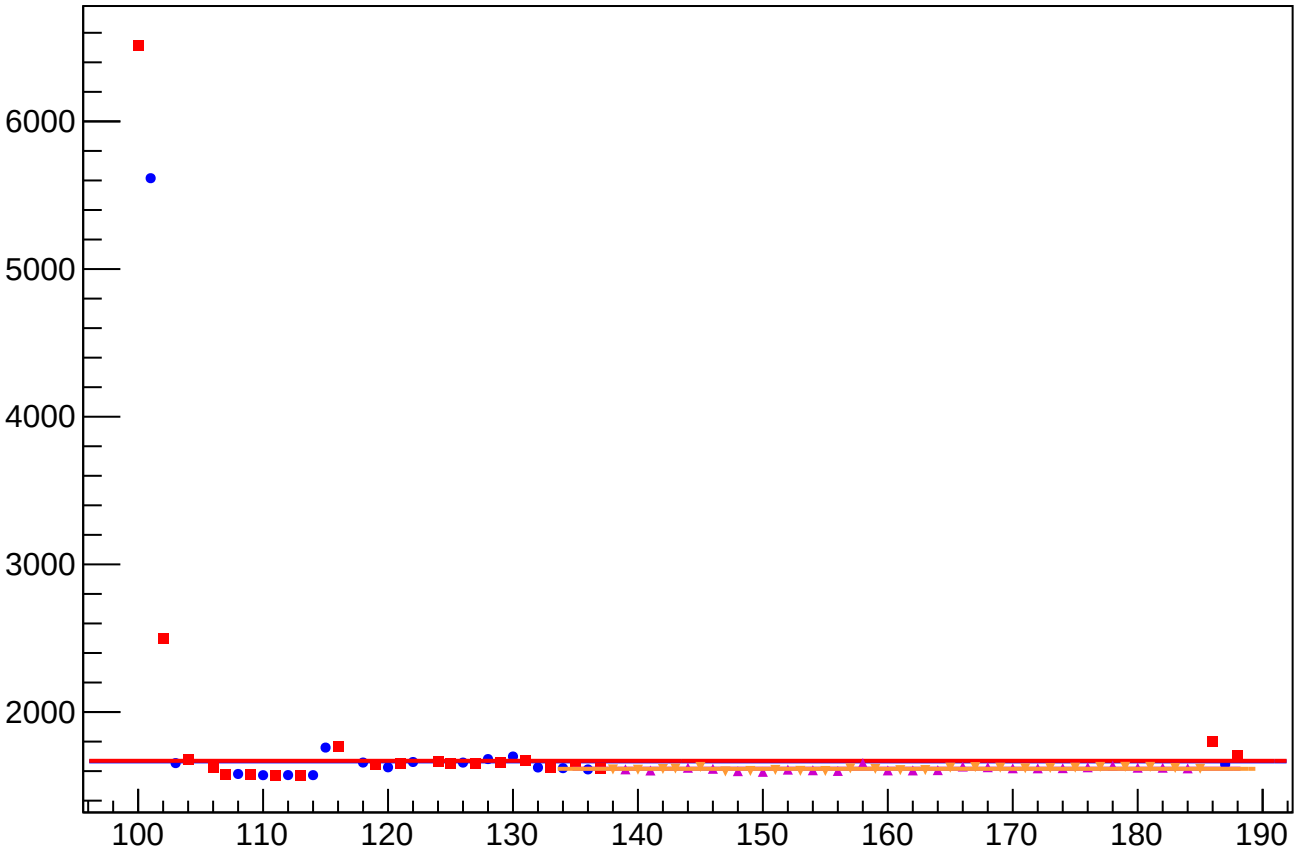
Left: 2347.209+/-263.105 χ^2/NDF: 62.3/47

Right: 2338.047+/-421.141 χ^2/NDF: 27.6/37

In: 2361.282+/-323.093 χ^2/NDF:49.3/39

Out: 2329.457+/-308.540 χ^2/NDF:40.5/45

All: 2344.637+/-223.138 χ^2/NDF: 89.9/85



Right In: 1665.835+/-0.442 χ^2/NDF: 662972.8/16

Left Out: 1615.633+/-0.260 χ^2/NDF:1447.2/24

Right Out: 1669.858+/-0.403 χ^2/NDF: 199030.3/20

Left In: 1616.361+/-0.267 χ^2/NDF:2557.7/22

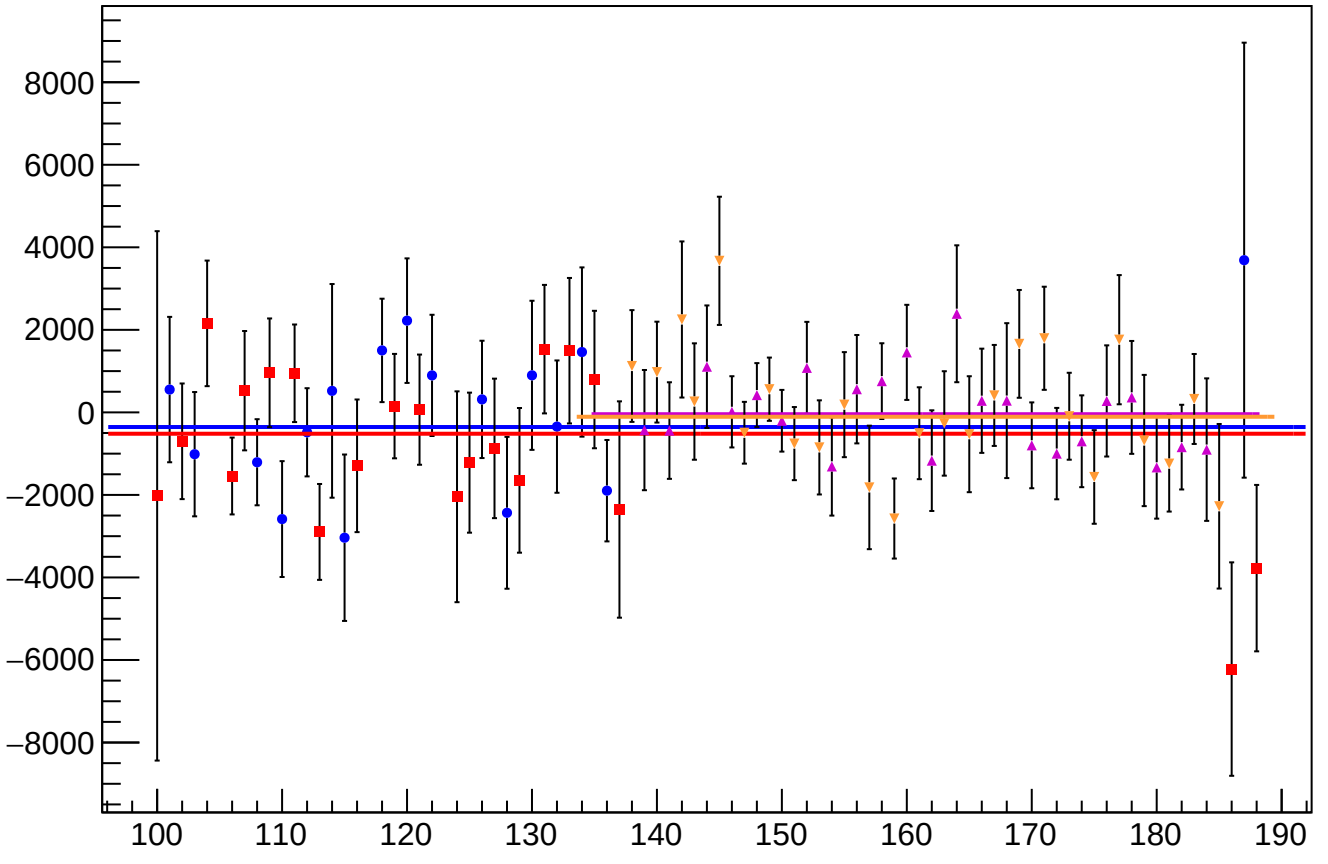
Left: 1615.987+/-0.186 χ^2/NDF: 4008.7/47

Right: 1668.032+/-0.298 χ^2/NDF: 862048.4/37

In: 1629.575+/-0.228 χ^2/NDF:674710.5/39

Out: 1631.530+/-0.218 χ^2/NDF:213278.4/45

All: 1630.598+/-0.158 χ^2/NDF: 888027.3/85



Right In: -354.886+/-367.051 χ^2/NDF: 16.3/16

Left Out: -106.338+/-234.306 χ^2/NDF:29.0/24

Right Out: -517.539+/-333.065 χ^2/NDF: 25.2/20

Left In: -44.469+/-235.733 χ^2/NDF:12.8/22

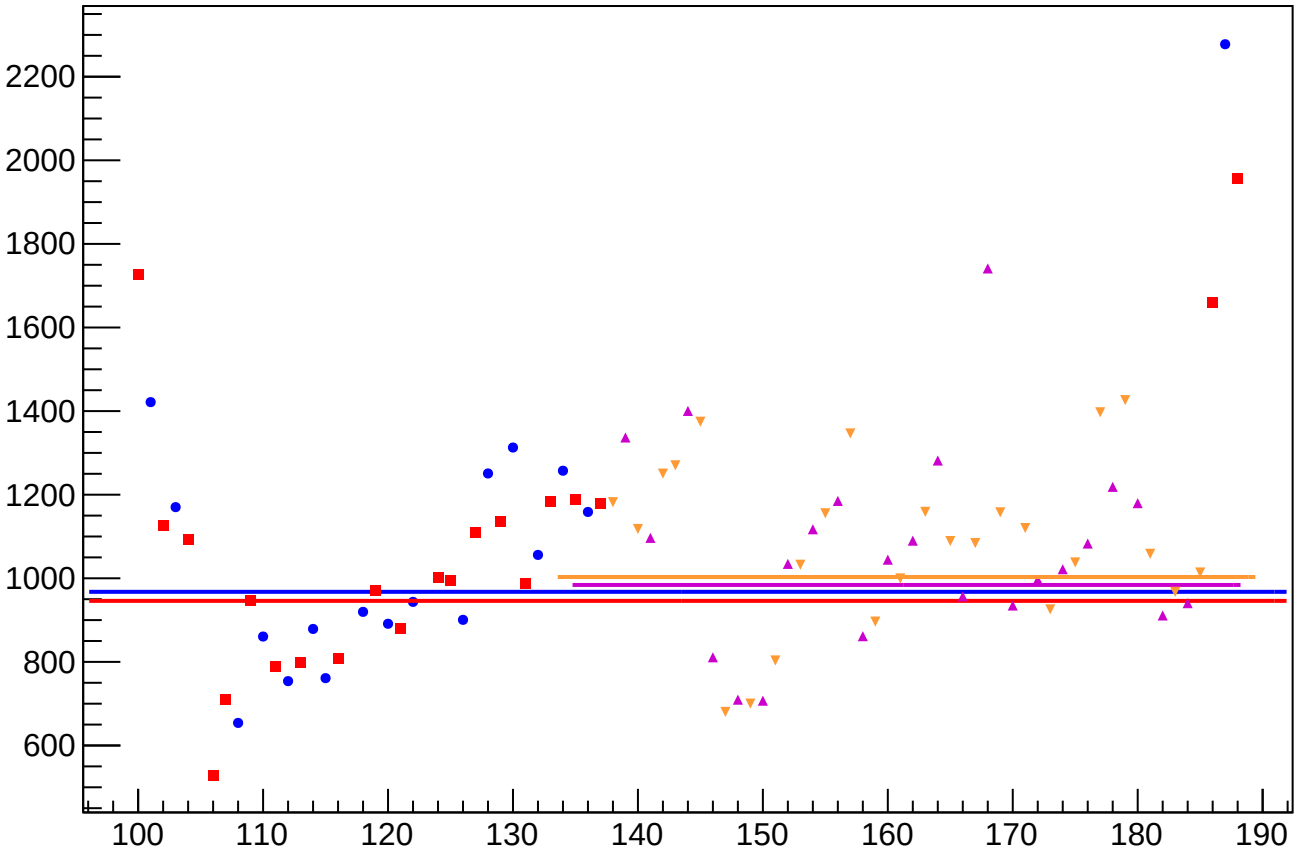
Left: -75.591+/-166.182 χ^2/NDF: 41.8/47

Right: -444.089+/-246.655 χ^2/NDF: 41.6/37

In: -135.116+/-198.350 χ^2/NDF:29.6/39

Out: -242.468+/-191.637 χ^2/NDF:55.2/45

All: -190.639+/-137.820 χ^2/NDF: 85.0/85



Right In: 967.628+/-0.260 χ^2/NDF: 816054.9/16

Left Out: 1003.101+/-0.166 χ^2/NDF:1598415.6/24

Right Out: 945.980+/-0.236 χ^2/NDF: 1421366.0/20

Left In: 984.053+/-0.167 χ^2/NDF:1559561.5/22

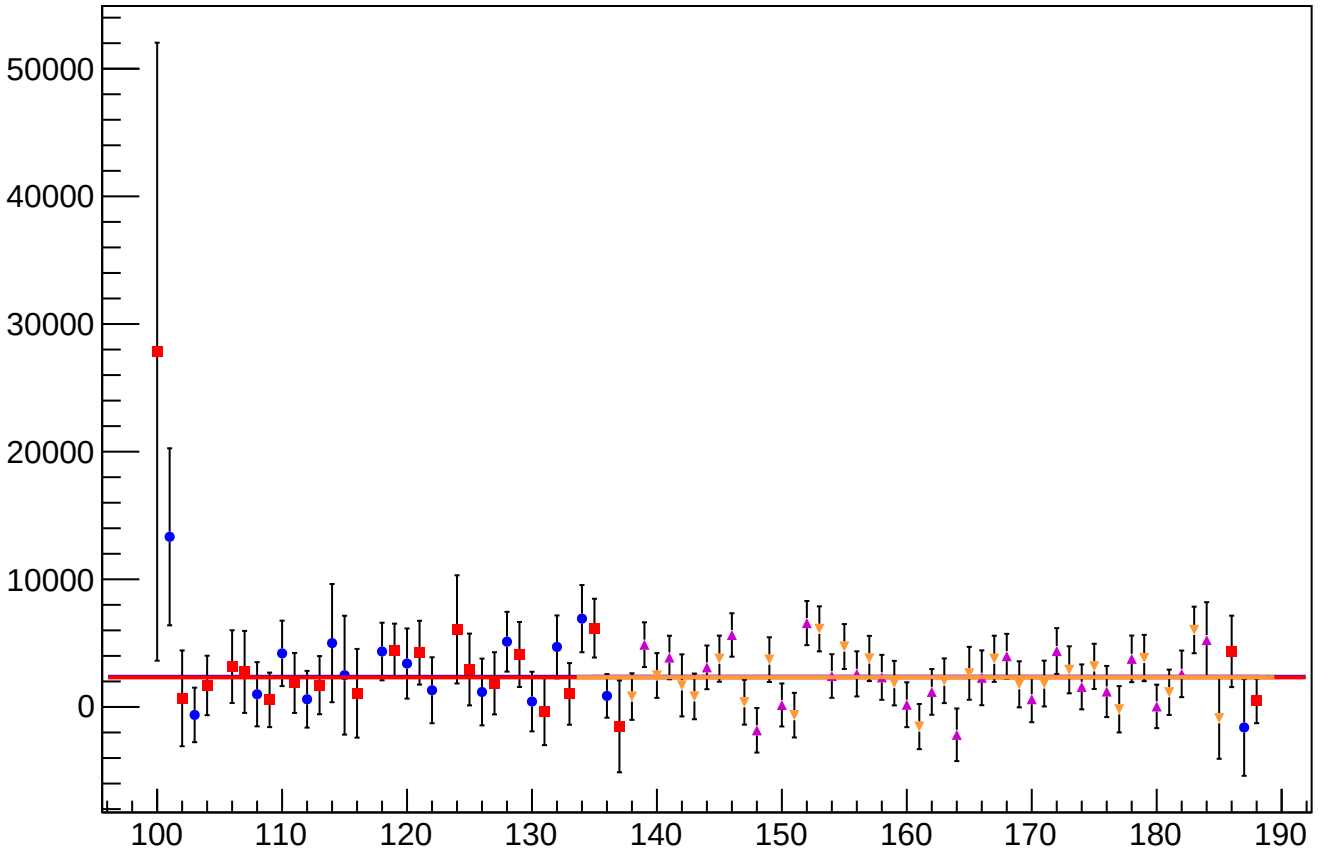
Left: 993.635+/-0.118 χ^2/NDF: 3164545.6/47

Right: 955.756+/-0.174 χ^2/NDF: 2241235.9/37

In: 979.257+/-0.140 χ^2/NDF:2378452.0/39

Out: 984.191+/-0.136 χ^2/NDF:3059131.7/45

All: 981.809+/-0.097 χ^2/NDF: 5438223.7/85



Right In: 2364.008+/-625.168 χ^2/NDF: 15.3/16

Left Out: 2334.839+/-366.991 χ^2/NDF:28.3/24

Right Out: 2316.475+/-569.836 χ^2/NDF: 12.2/20

Left In: 2360.289+/-377.400 χ^2/NDF:34.0/22

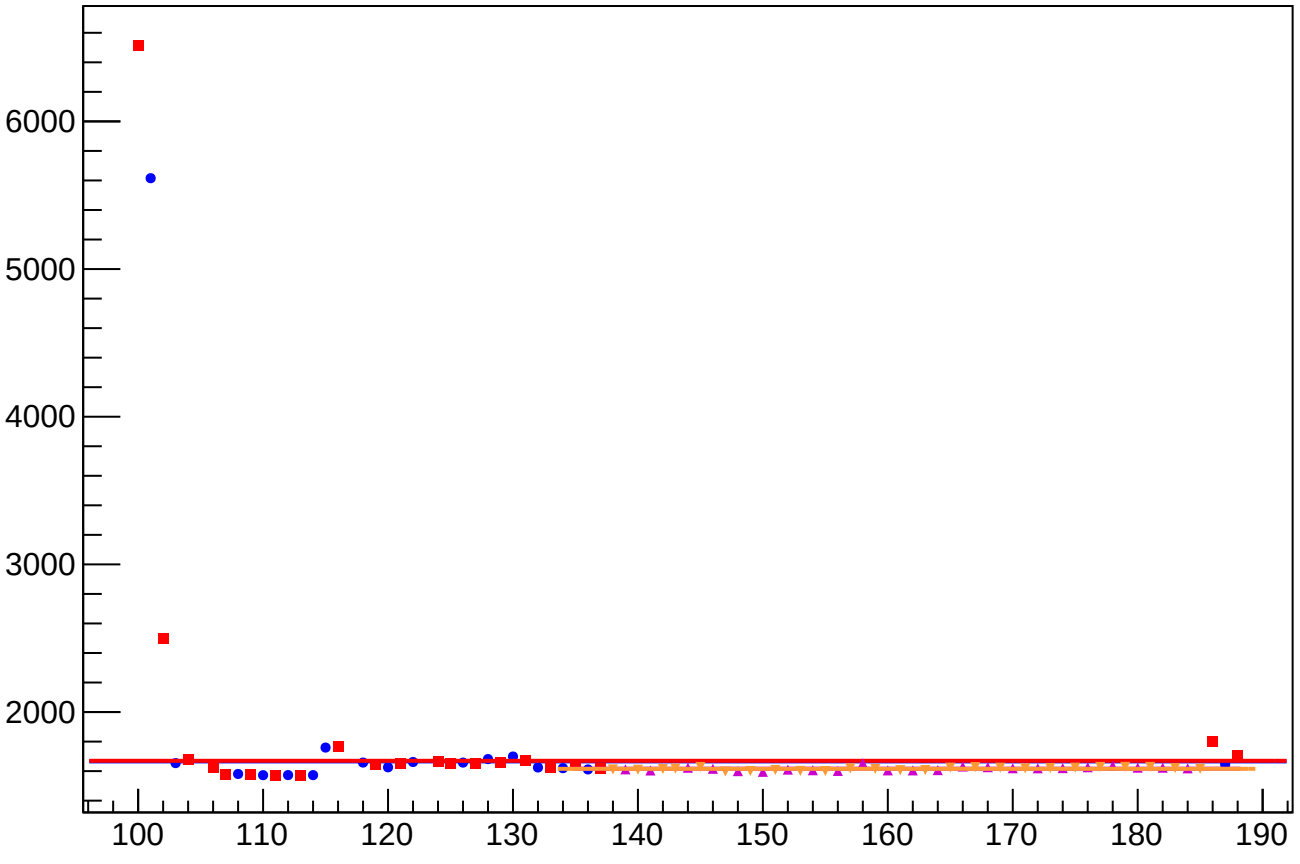
Left: 2347.208+/-263.105 χ^2/NDF: 62.3/47

Right: 2338.045+/-421.141 χ^2/NDF: 27.6/37

In: 2361.282+/-323.093 χ^2/NDF:49.3/39

Out: 2329.456+/-308.540 χ^2/NDF:40.5/45

All: 2344.636+/-223.138 χ^2/NDF: 89.9/85



Right In: 1665.835+/-0.442 χ^2/NDF: 662972.9/16

Left Out: 1615.633+/-0.260 χ^2/NDF:1447.2/24

Right Out: 1669.858+/-0.403 χ^2/NDF: 199030.2/20

Left In: 1616.361+/-0.267 χ^2/NDF:2557.7/22

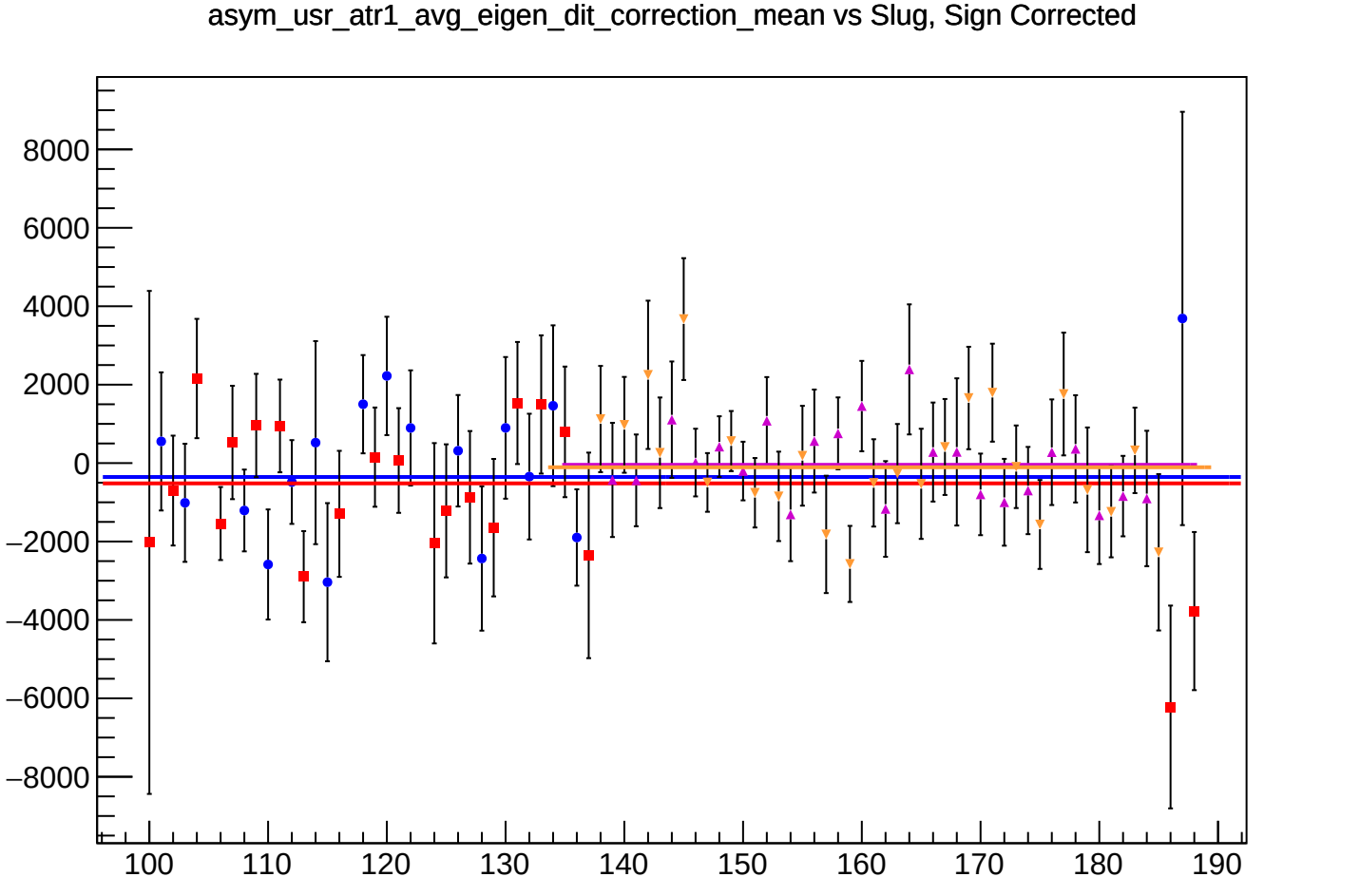
Left: 1615.987+/-0.186 χ^2/NDF: 4008.7/47

Right: 1668.032+/-0.298 χ^2/NDF: 862048.3/37

In: 1629.575+/-0.228 χ^2/NDF:674710.5/39

Out: 1631.530+/-0.218 χ^2/NDF:213278.3/45

All: 1630.598+/-0.158 χ^2/NDF: 888027.1/85



Right In: -354.884+/-367.050 χ^2/NDF: 16.3/16

Left Out: -106.340+/-234.307 χ^2/NDF:29.0/24

Right Out: -517.536+/-333.064 χ^2/NDF: 25.2/20

Left In: -44.468+/-235.733 χ^2/NDF:12.8/22

Left: -75.592+/-166.182 χ^2/NDF: 41.8/47

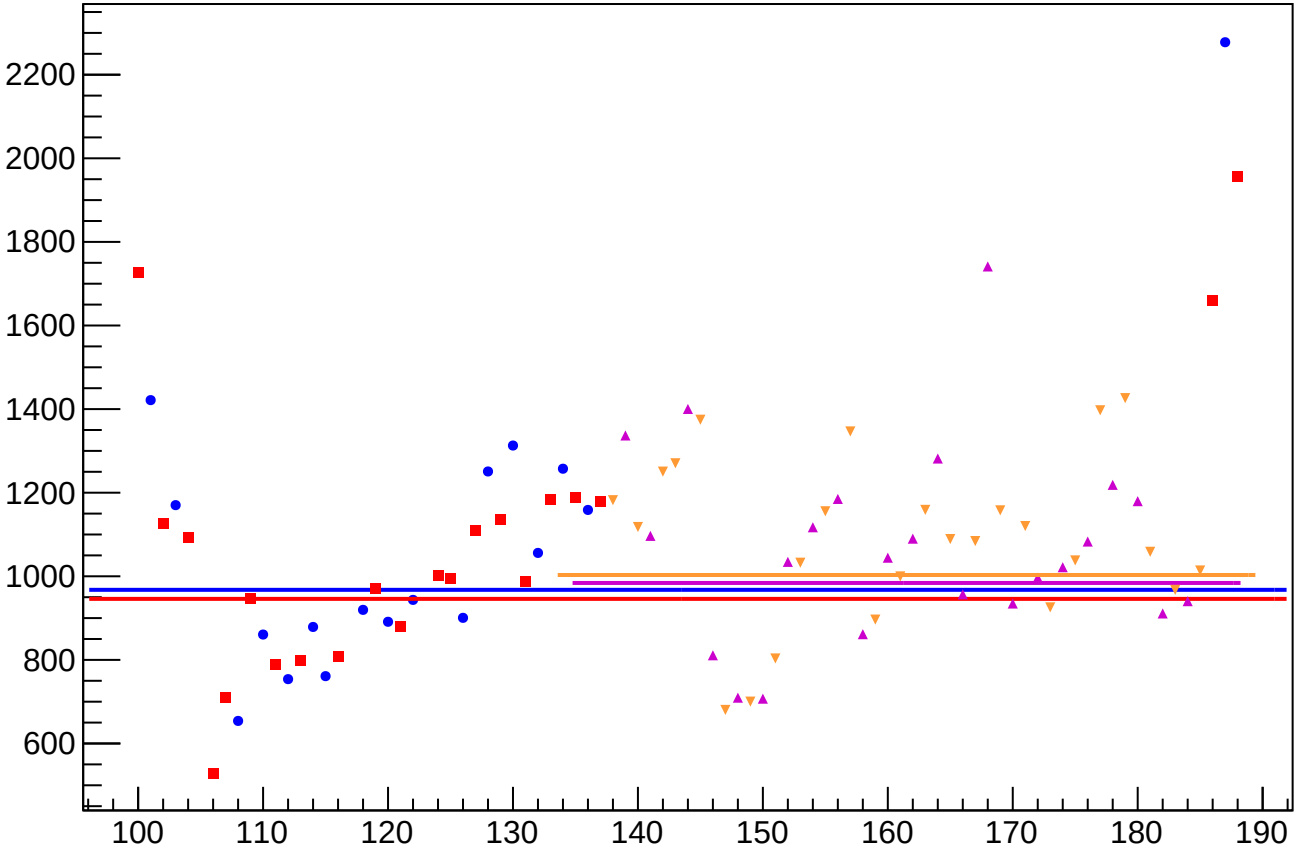
Right: -444.087+/-246.654 χ^2/NDF: 41.6/37

In: -135.116+/-198.350 χ^2/NDF:29.6/39

Out: -242.469+/-191.637 χ^2/NDF:55.2/45

All: -190.640+/-137.820 χ^2/NDF: 85.0/85

asym_usr_atr1_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 967.624+/-0.260 χ^2/NDF: 816063.8/16

Left Out: 1003.103+/-0.166 χ^2/NDF:1598417.7/24

Right Out: 945.978+/-0.236 χ^2/NDF: 1421369.5/20

Left In: 984.055+/-0.167 χ^2/NDF:1559563.7/22

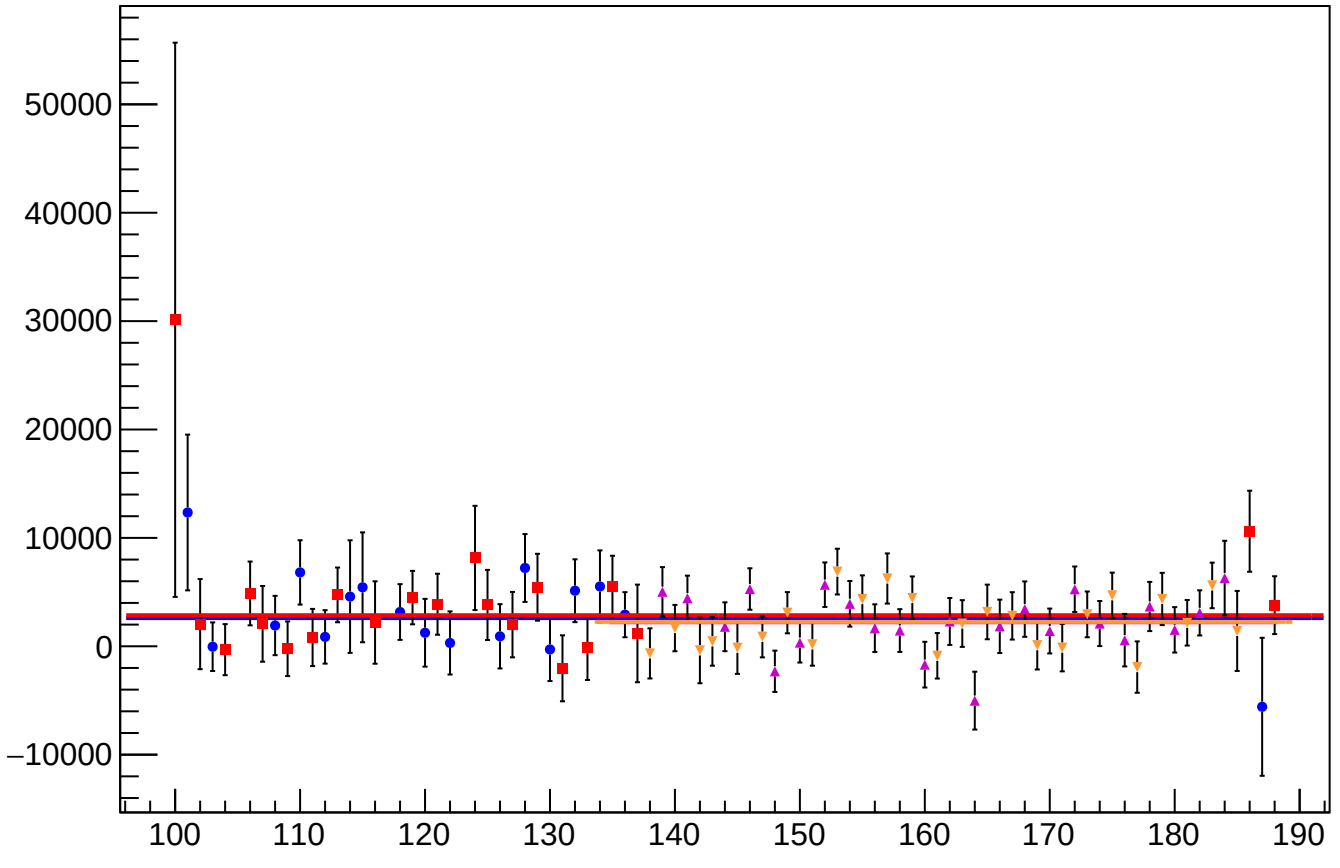
Left: 993.637+/-0.118 χ^2/NDF: 3164549.9/47

Right: 955.753+/-0.174 χ^2/NDF: 2241248.0/37

In: 979.257+/-0.140 χ^2/NDF:2378465.1/39

Out: 984.191+/-0.136 χ^2/NDF:3059144.0/45

All: 981.809+/-0.097 χ^2/NDF: 5438249.3/85



Right In: 2602.218+/-730.235 χ^2/NDF: 13.8/16

Left Out: 2252.380+/-442.213 χ^2/NDF:28.3/24

Right Out: 2867.060+/-671.801 χ^2/NDF: 17.9/20

Left In: 2219.401+/-452.286 χ^2/NDF:31.5/22

Left: 2236.262+/-316.193 χ^2/NDF: 59.8/47

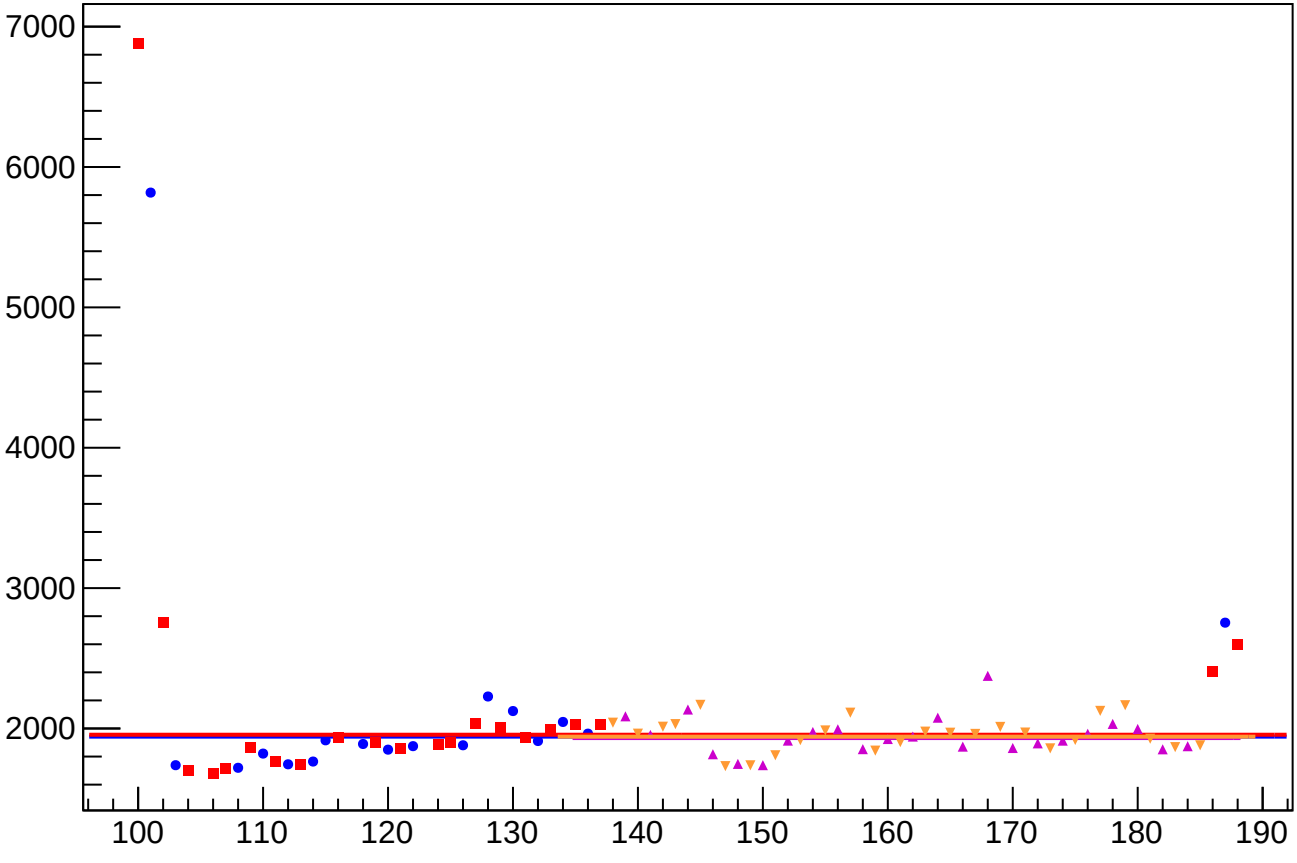
Right: 2745.658+/-494.404 χ^2/NDF: 31.8/37

In: 2325.540+/-384.508 χ^2/NDF:45.5/39

Out: 2438.201+/-369.372 χ^2/NDF:46.8/45

All: 2384.132+/-266.376 χ^2/NDF: 92.4/85

asym_usr_atr1_avg_rms vs Slug, Sign Corrected



Right In: 1942.077+/-0.516 χ^2/NDF: 694191.3/16

Left Out: 1941.583+/-0.313 χ^2/NDF:139011.4/24

Right Out: 1955.539+/-0.475 χ^2/NDF: 380963.7/20

Left In: 1931.812+/-0.320 χ^2/NDF:159877.0/22

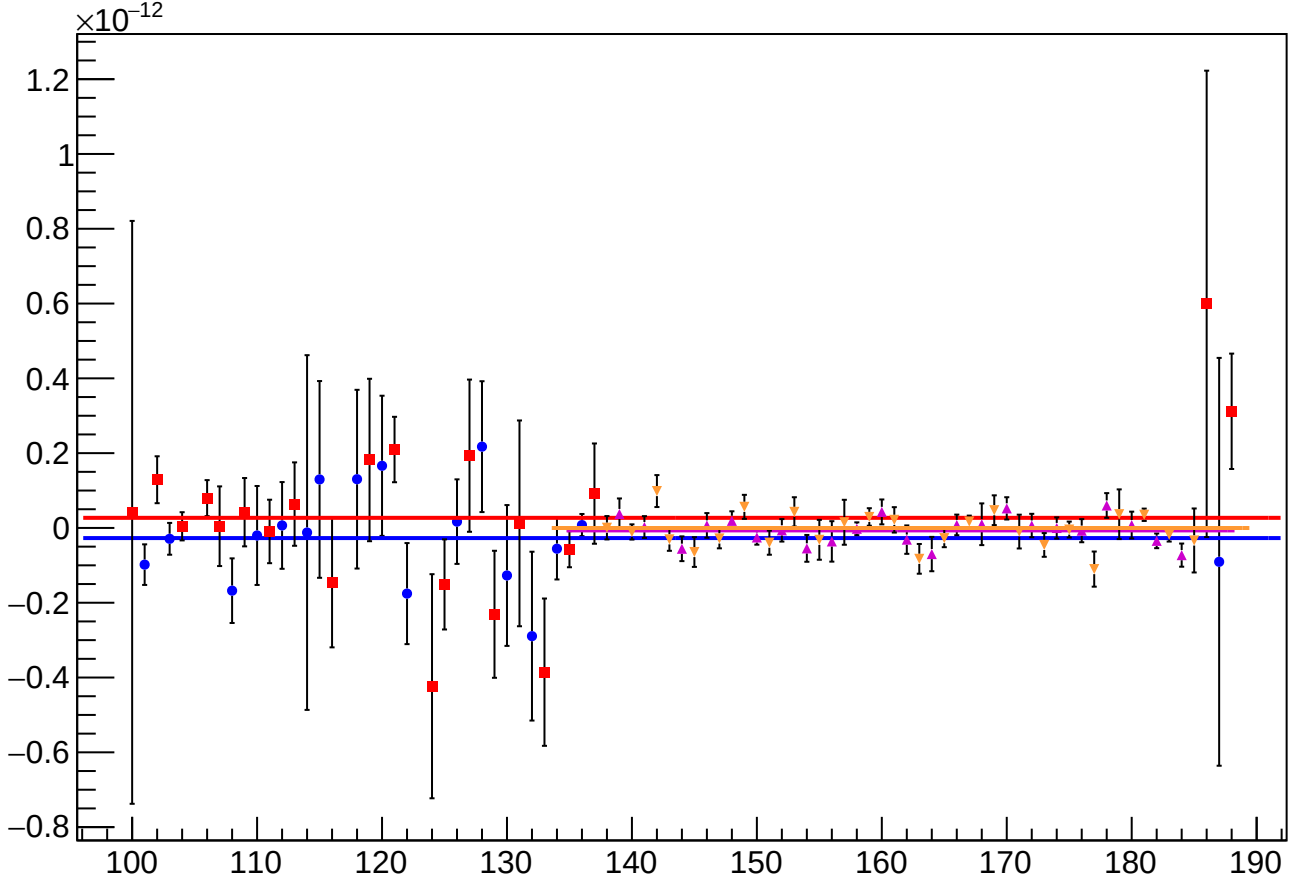
Left: 1936.808+/-0.224 χ^2/NDF: 299365.5/47

Right: 1949.368+/-0.350 χ^2/NDF: 1075523.1/37

In: 1934.658+/-0.272 χ^2/NDF:854353.8/39

Out: 1945.802+/-0.261 χ^2/NDF:520577.2/45

All: 1940.454+/-0.188 χ^2/NDF: 1375804.8/85



Right In: -0.000+/-0.000 χ^2/NDF: 12.8/16

Left Out: -0.000+/-0.000 χ^2/NDF:40.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 29.7/20

Left In: -0.000+/-0.000 χ^2/NDF:27.5/22

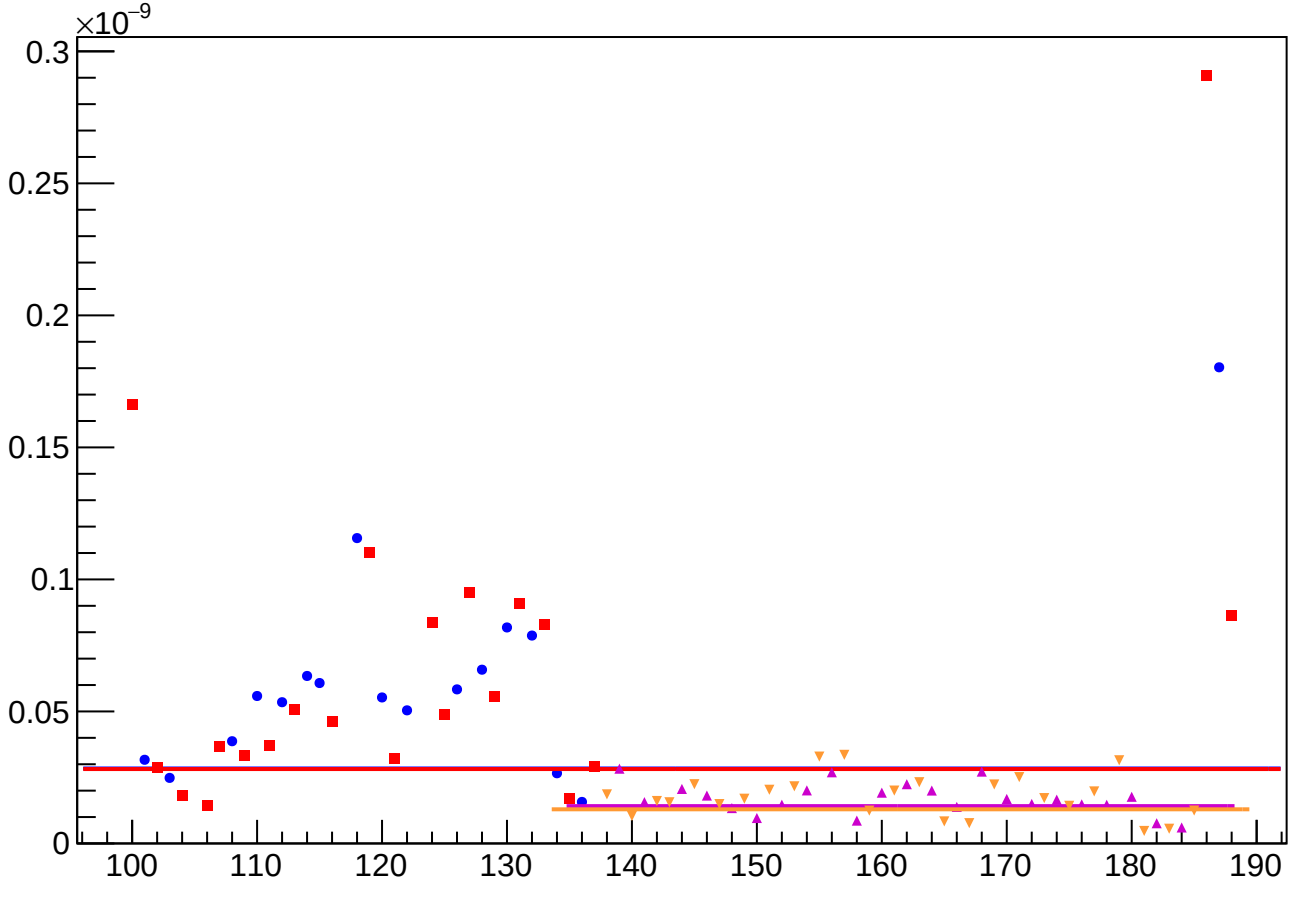
Left: -0.000+/-0.000 χ^2/NDF: 68.4/47

Right: -0.000+/-0.000 χ^2/NDF: 46.5/37

In: -0.000+/-0.000 χ^2/NDF:41.3/39

Out: 0.000+/-0.000 χ^2/NDF:71.9/45

All: -0.000+/-0.000 χ^2/NDF: 114.9/85



Right In: 0.000+/-0.000 χ^2/NDF: 1646065.8/16

Left Out: 0.000+/-0.000 χ^2/NDF:2826186.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2202535.4/20

Left In: 0.000+/-0.000 χ^2/NDF:1522273.8/22

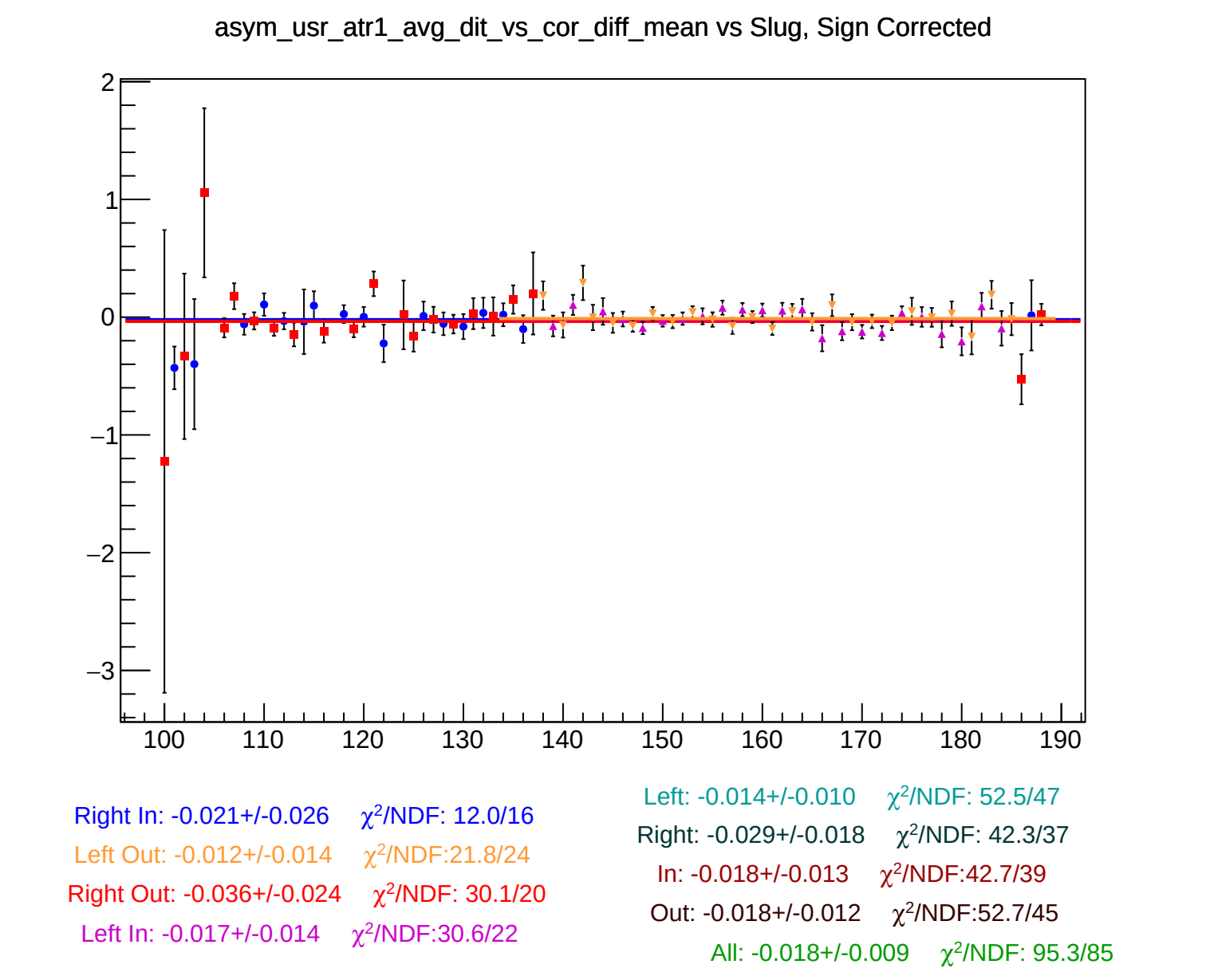
Left: 0.000+/-0.000 χ^2/NDF: 4390810.8/47

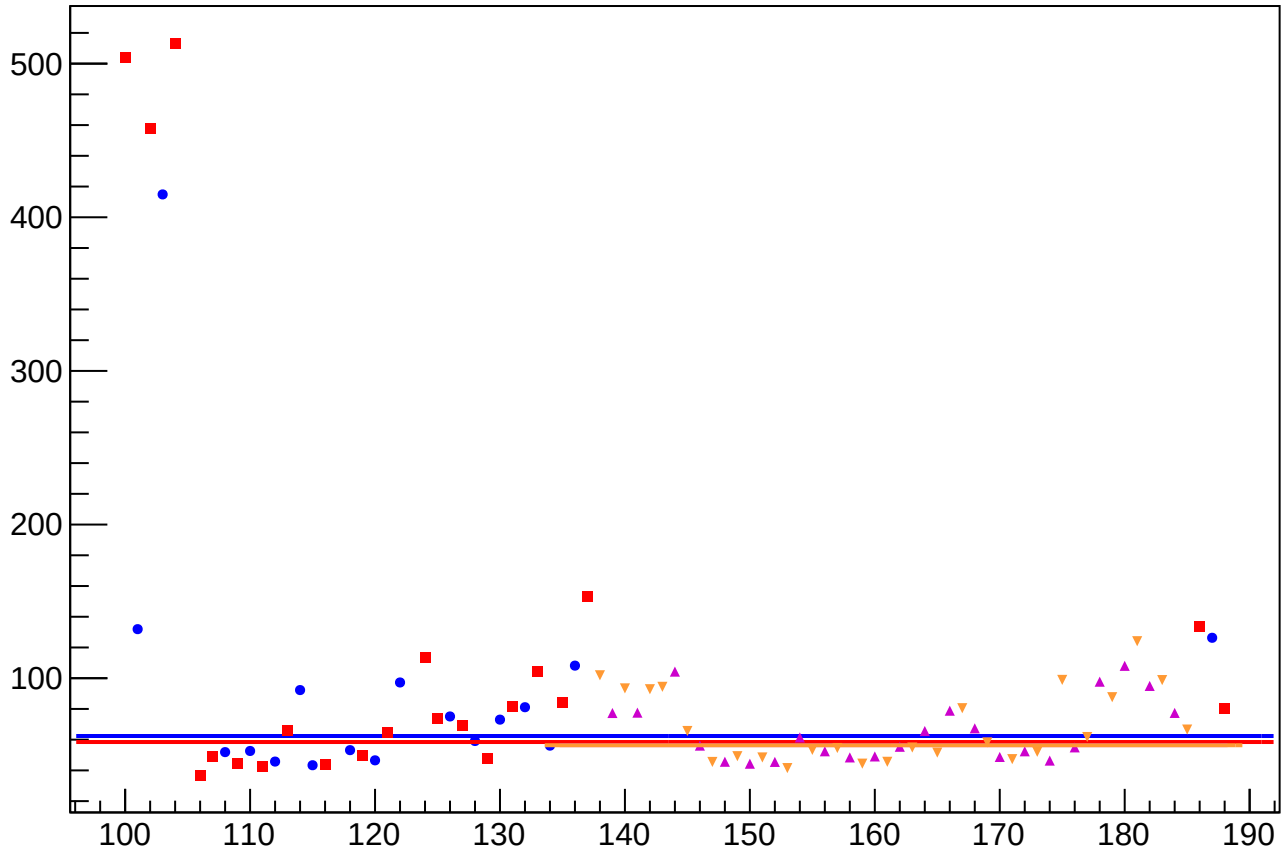
Right: 0.000+/-0.000 χ^2/NDF: 3848715.0/37

In: 0.000+/-0.000 χ^2/NDF:4172737.2/39

Out: 0.000+/-0.000 χ^2/NDF:6188223.6/45

All: 0.000+/-0.000 χ^2/NDF: 10414357.8/85


asym_usr_atr1_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected
2
1
0
−1
−2
−3
100
110
120
130
140
150
160
170
180
190
Right In: -0.021+/-0.026 χ²/NDF: 12.0/16
Left Out: -0.012+/-0.014 χ²/NDF:21.8/24
Right Out: -0.036+/-0.024 χ²/NDF: 30.1/20
Left In: -0.017+/-0.014 χ²/NDF:30.6/22
Left: -0.014+/-0.010 χ²/NDF: 52.5/47
Right: -0.029+/-0.018 χ²/NDF: 42.3/37
In: -0.018+/-0.013 χ²/NDF:42.7/39
Out: -0.018+/-0.012 χ²/NDF:52.7/45
All: -0.018+/-0.009 χ²/NDF: 95.3/85



Right In: 62.383+/-0.019 χ^2/NDF: 2030531.4/16

Left Out: 56.374+/-0.010 χ^2/NDF:2797305.0/24

Right Out: 58.468+/-0.017 χ^2/NDF: 2978096.8/20

Left In: 56.467+/-0.010 χ^2/NDF:2140078.8/22

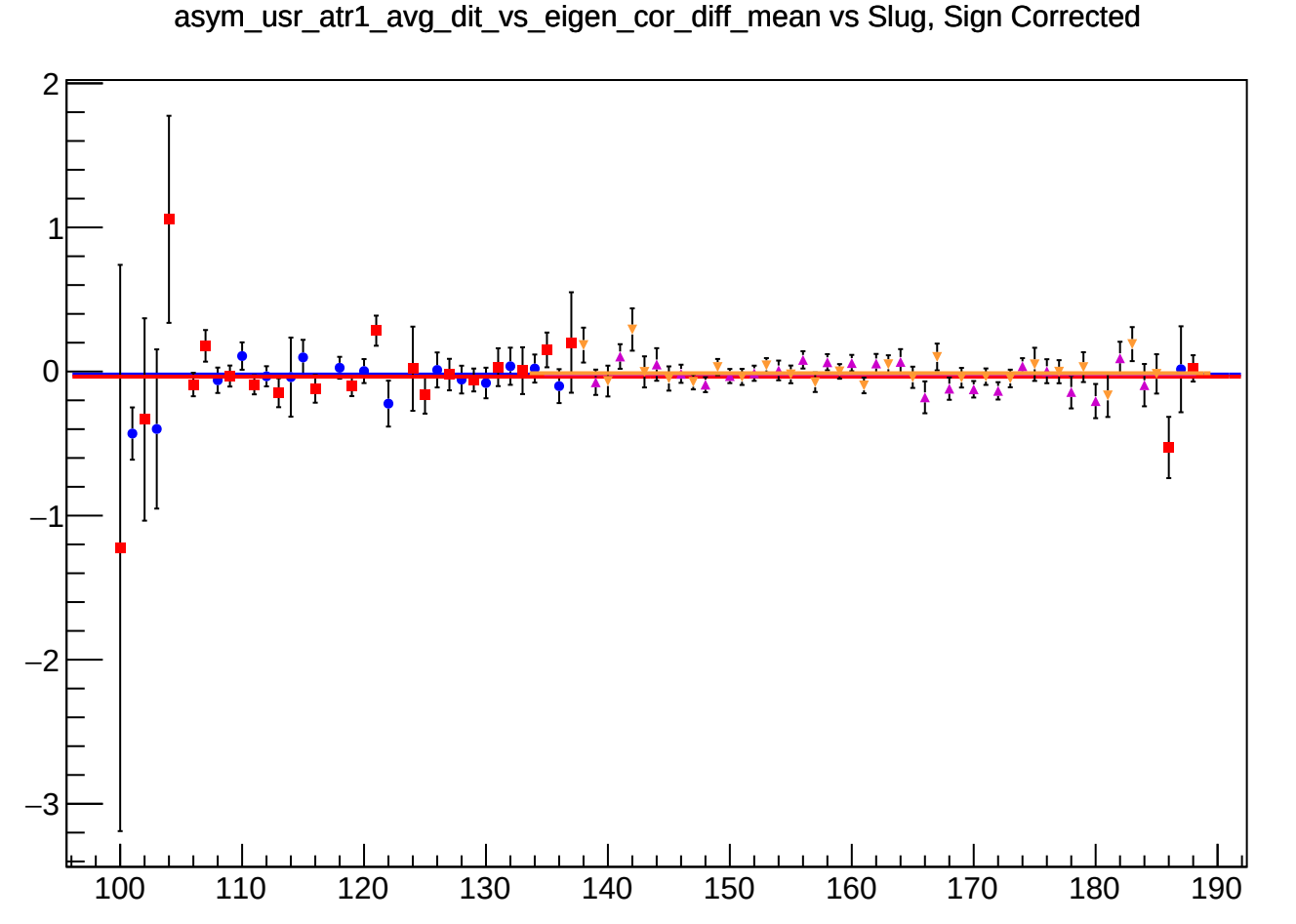
Left: 56.420+/-0.007 χ^2/NDF: 4937425.9/47

Right: 60.202+/-0.012 χ^2/NDF: 5033026.4/37

In: 57.832+/-0.009 χ^2/NDF:4247559.4/39

Out: 56.937+/-0.009 χ^2/NDF:5786917.5/45

All: 57.368+/-0.006 χ^2/NDF: 10039620.3/85



Right In: -0.021+/-0.026 χ^2/NDF: 12.0/16

Left Out: -0.012+/-0.014 χ^2/NDF:21.8/24

Right Out: -0.036+/-0.024 χ^2/NDF: 30.1/20

Left In: -0.017+/-0.014 χ^2/NDF:30.6/22

Left: -0.014+/-0.010 χ^2/NDF: 52.5/47

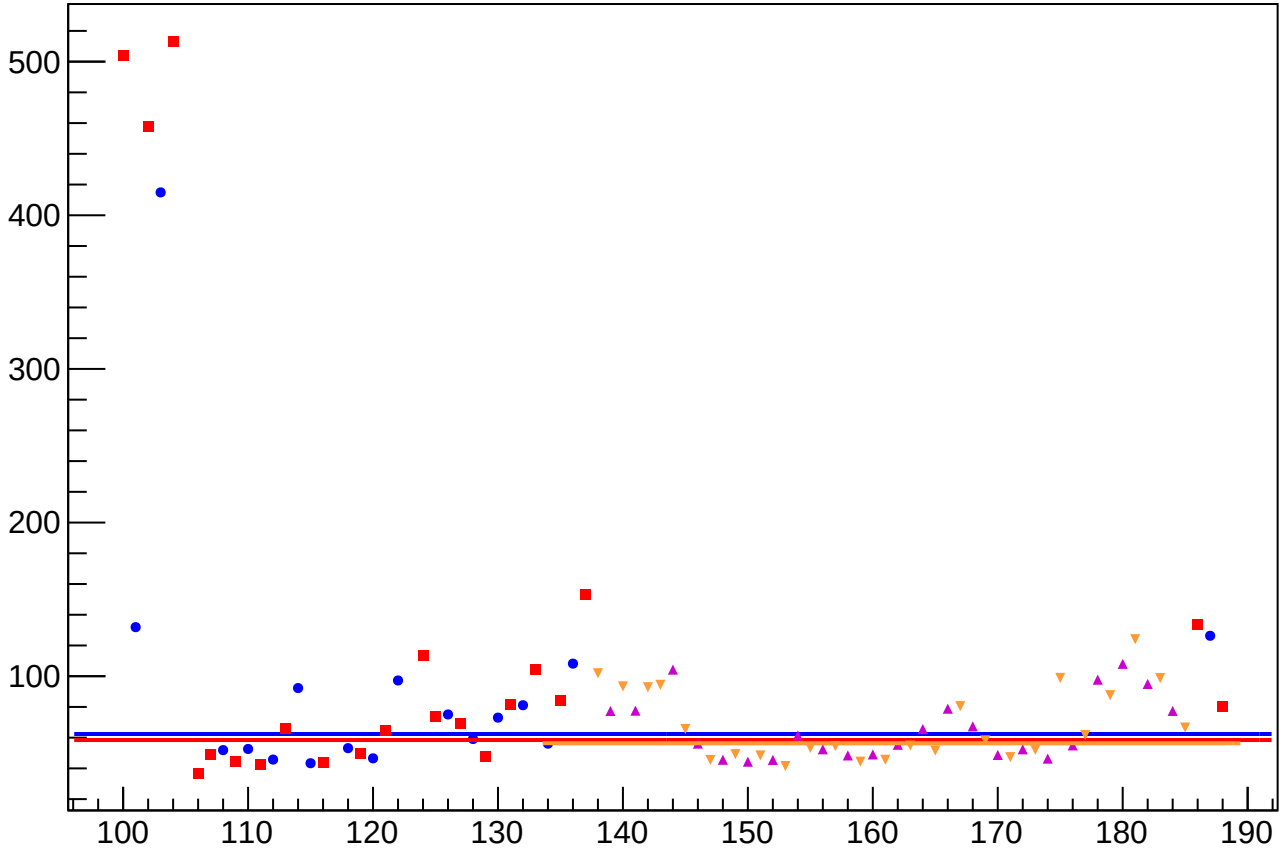
Right: -0.029+/-0.018 χ^2/NDF: 42.3/37

In: -0.018+/-0.013 χ^2/NDF:42.7/39

Out: -0.018+/-0.012 χ^2/NDF:52.7/45

All: -0.018+/-0.009 χ^2/NDF: 95.3/85

asym_usr_atr1_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 62.383+/-0.019 χ^2/NDF: 2030531.4/16

Left Out: 56.374+/-0.010 χ^2/NDF:2797305.0/24

Right Out: 58.468+/-0.017 χ^2/NDF: 2978096.8/20

Left In: 56.467+/-0.010 χ^2/NDF:2140078.8/22

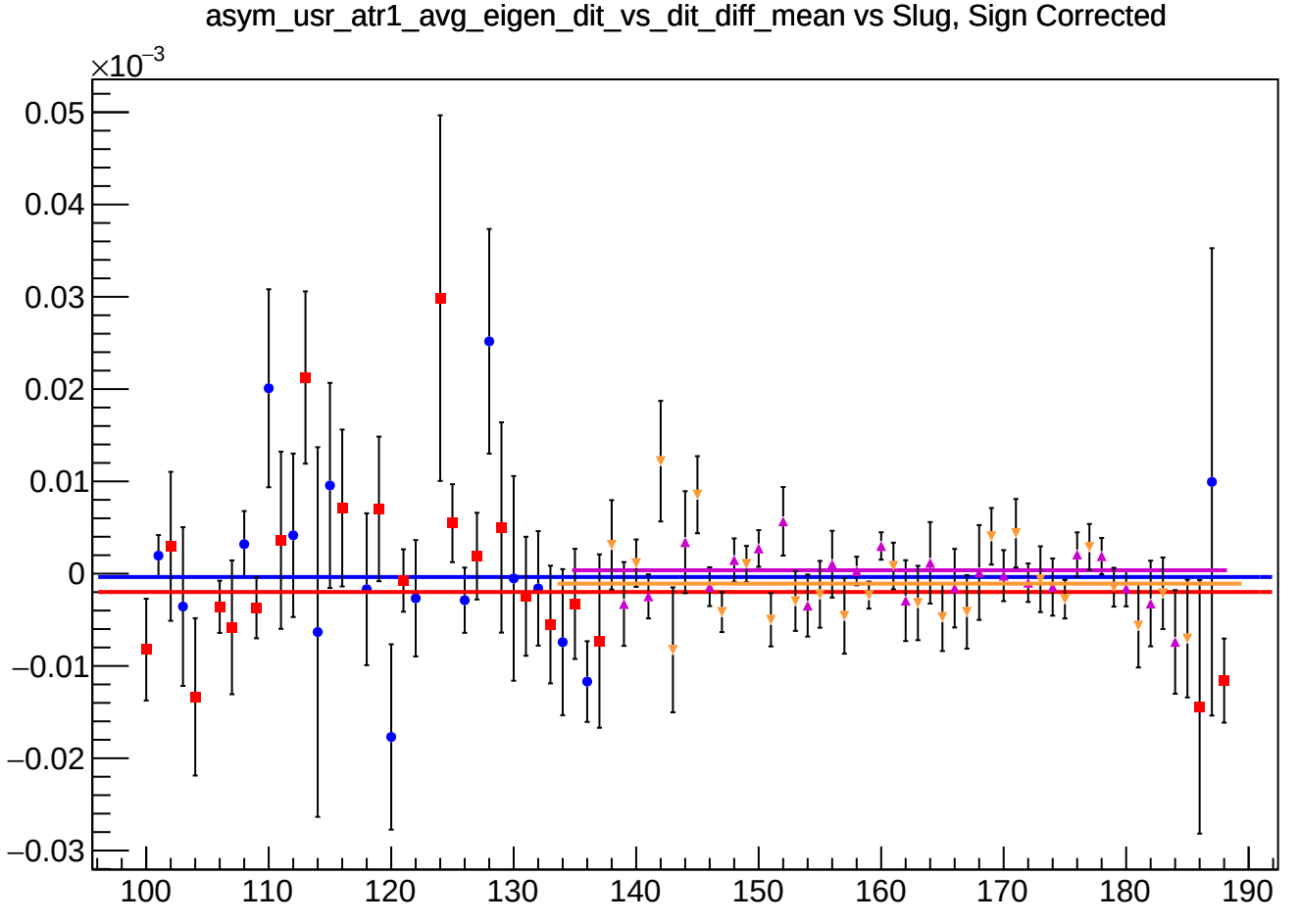
Left: 56.420+/-0.007 χ^2/NDF: 4937425.9/47

Right: 60.202+/-0.012 χ^2/NDF: 5033026.4/37

In: 57.832+/-0.009 χ^2/NDF:4247559.4/39

Out: 56.937+/-0.009 χ^2/NDF:5786917.5/45

All: 57.368+/-0.006 χ^2/NDF: 10039620.3/85



Right In: -0.000+/-0.000 χ^2/NDF: 22.7/16

Left Out: -0.000+/-0.000 χ^2/NDF:31.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 26.2/20

Left In: 0.000+/-0.000 χ^2/NDF:17.5/22

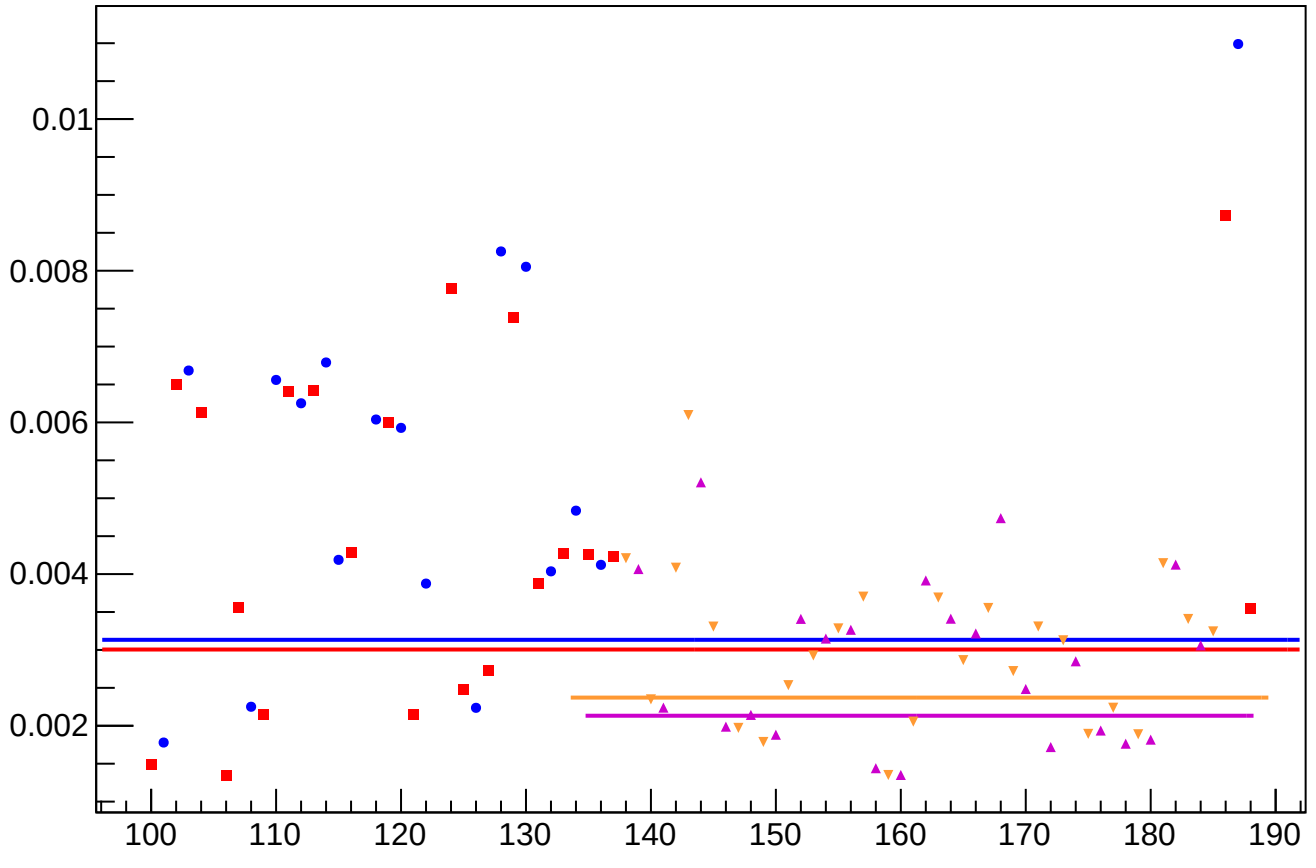
Left: -0.000+/-0.000 χ^2/NDF: 52.4/47

Right: -0.000+/-0.000 χ^2/NDF: 49.7/37

In: 0.000+/-0.000 χ^2/NDF:40.5/39

Out: -0.000+/-0.000 χ^2/NDF:58.2/45

All: -0.000+/-0.000 χ^2/NDF: 103.1/85



Right In: 0.003+/-0.000 χ^2/NDF: 3476971.0/16

Left Out: 0.002+/-0.000 χ^2/NDF:4161142.1/24

Right Out: 0.003+/-0.000 χ^2/NDF: 3679789.0/20

Left In: 0.002+/-0.000 χ^2/NDF:4521223.3/22

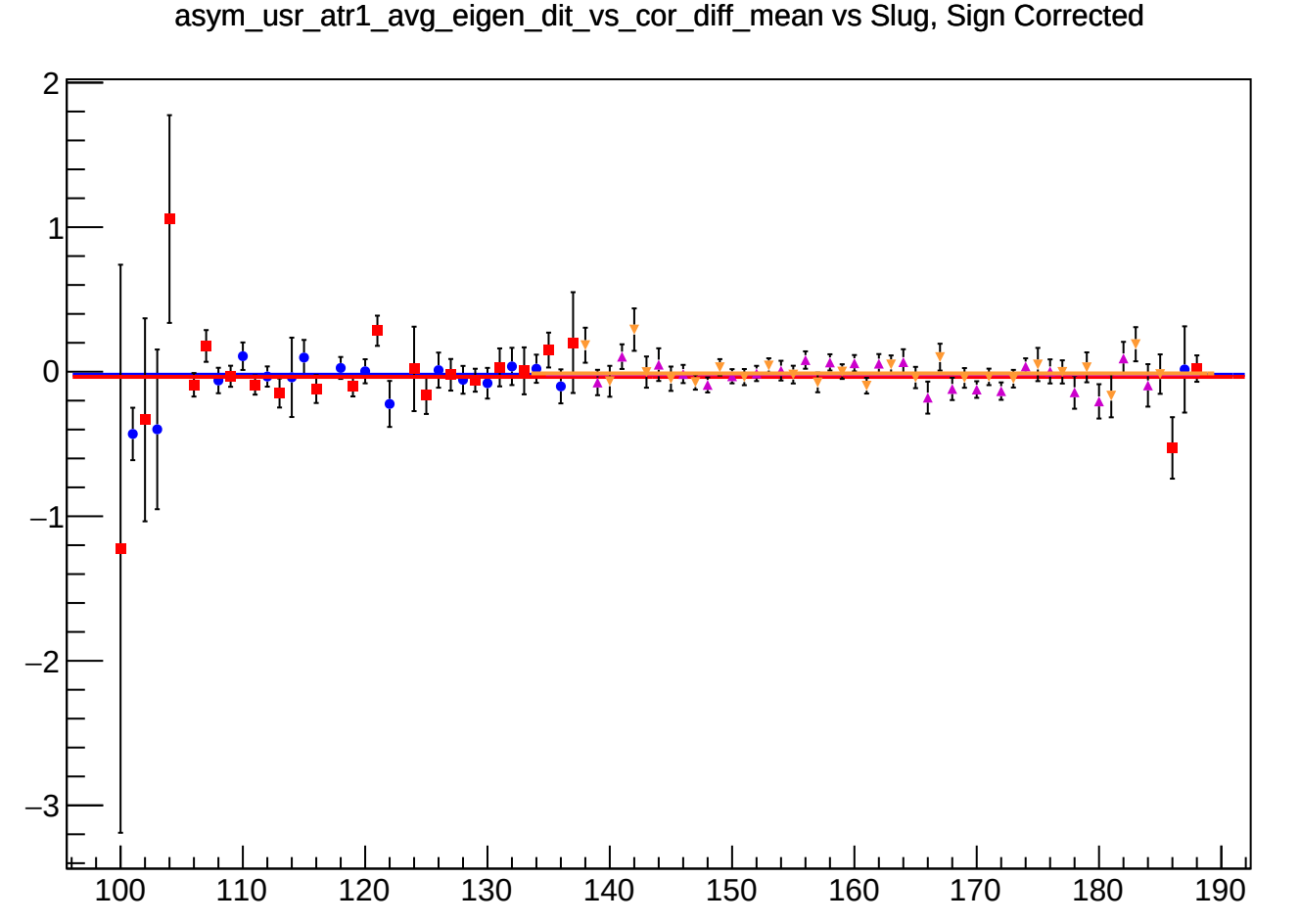
Left: 0.002+/-0.000 χ^2/NDF: 8864827.0/47

Right: 0.003+/-0.000 χ^2/NDF: 7166955.1/37

In: 0.002+/-0.000 χ^2/NDF:8972646.3/39

Out: 0.002+/-0.000 χ^2/NDF:8290908.1/45

All: 0.002+/-0.000 χ^2/NDF: 17446374.6/85



Right In: -0.021+/-0.026 χ^2/NDF: 12.0/16

Left Out: -0.012+/-0.014 χ^2/NDF:21.8/24

Right Out: -0.036+/-0.024 χ^2/NDF: 30.1/20

Left In: -0.017+/-0.014 χ^2/NDF:30.6/22

Left: -0.014+/-0.010 χ^2/NDF: 52.5/47

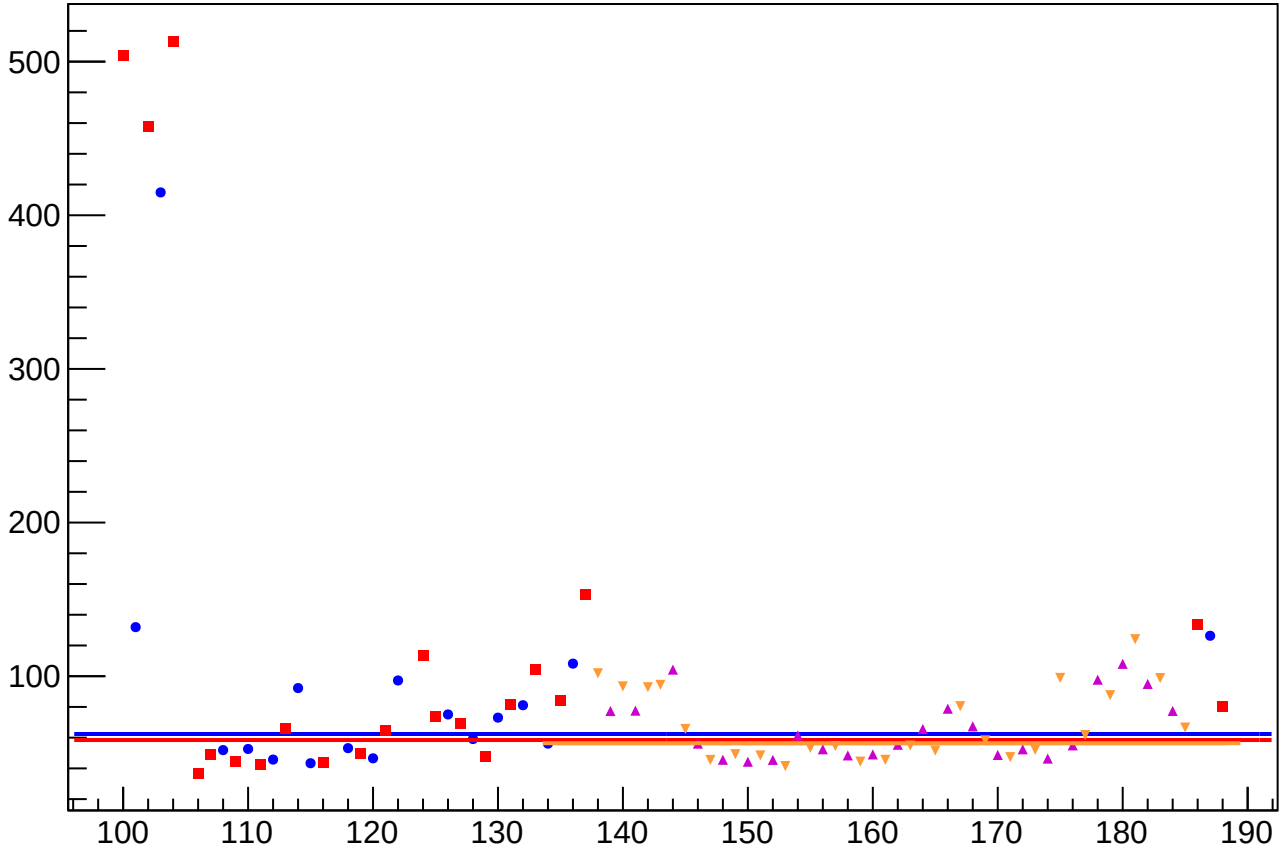
Right: -0.029+/-0.018 χ^2/NDF: 42.3/37

In: -0.018+/-0.013 χ^2/NDF:42.7/39

Out: -0.018+/-0.012 χ^2/NDF:52.7/45

All: -0.018+/-0.009 χ^2/NDF: 95.3/85

asym_usr_atr1_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 62.382+/-0.019 χ^2/NDF: 2030496.2/16

Left Out: 56.374+/-0.010 χ^2/NDF:2797380.0/24

Right Out: 58.467+/-0.017 χ^2/NDF: 2978090.0/20

Left In: 56.467+/-0.010 χ^2/NDF:2140063.7/22

Left: 56.420+/-0.007 χ^2/NDF: 4937485.7/47

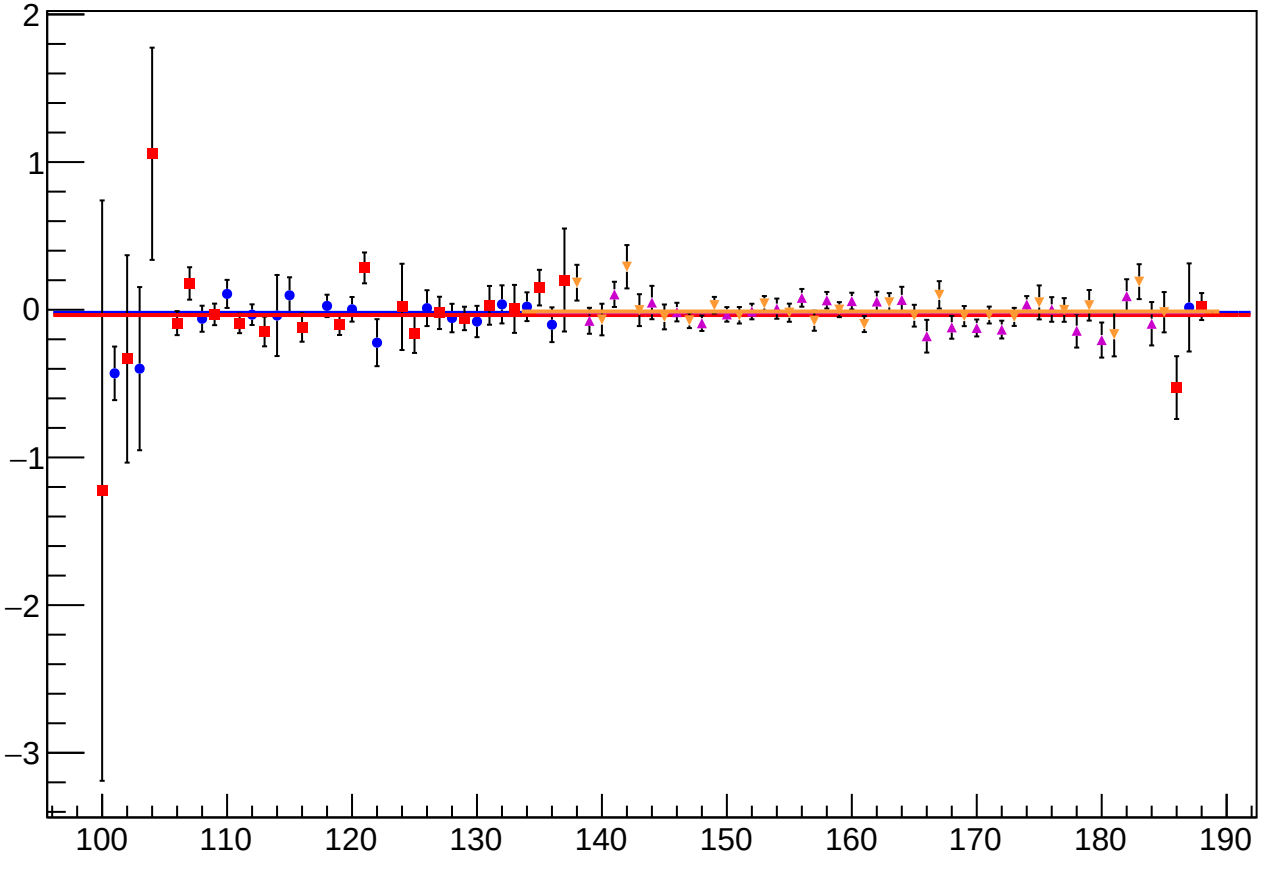
Right: 60.202+/-0.012 χ^2/NDF: 5032986.4/37

In: 57.832+/-0.009 χ^2/NDF:4247489.3/39

Out: 56.937+/-0.009 χ^2/NDF:5786974.9/45

All: 57.368+/-0.006 χ^2/NDF: 10039607.8/85

asym_usr_atr1_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.021+/-0.026 χ^2/NDF: 12.0/16

Left Out: -0.012+/-0.014 χ^2/NDF:21.8/24

Right Out: -0.036+/-0.024 χ^2/NDF: 30.1/20

Left In: -0.017+/-0.014 χ^2/NDF:30.6/22

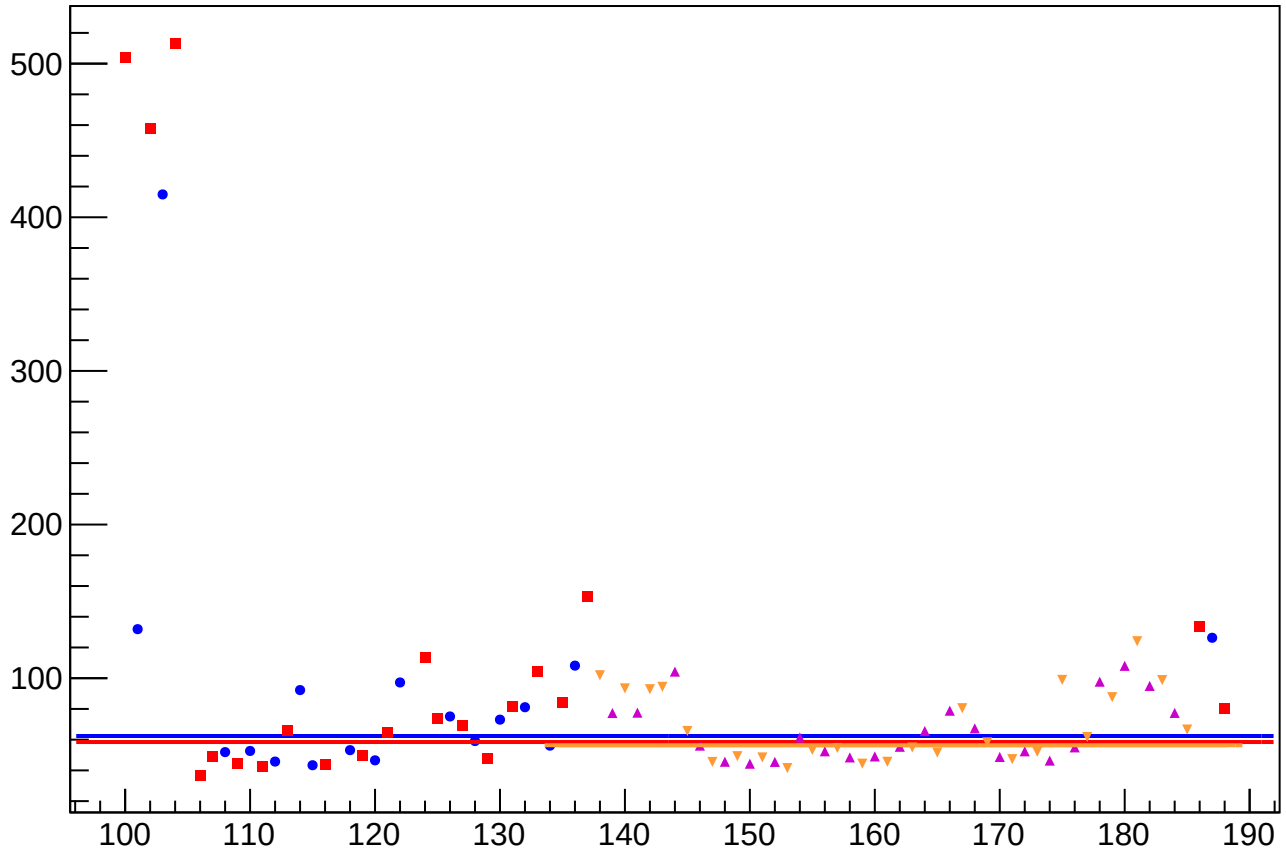
Left: -0.014+/-0.010 χ^2/NDF: 52.5/47

Right: -0.029+/-0.018 χ^2/NDF: 42.3/37

In: -0.018+/-0.013 χ^2/NDF:42.7/39

Out: -0.018+/-0.012 χ^2/NDF:52.7/45

All: -0.018+/-0.009 χ^2/NDF: 95.3/85



Right In: 62.382+/-0.019 χ^2/NDF: 2030496.2/16

Left Out: 56.374+/-0.010 χ^2/NDF:2797380.0/24

Right Out: 58.467+/-0.017 χ^2/NDF: 2978090.0/20

Left In: 56.467+/-0.010 χ^2/NDF:2140063.7/22

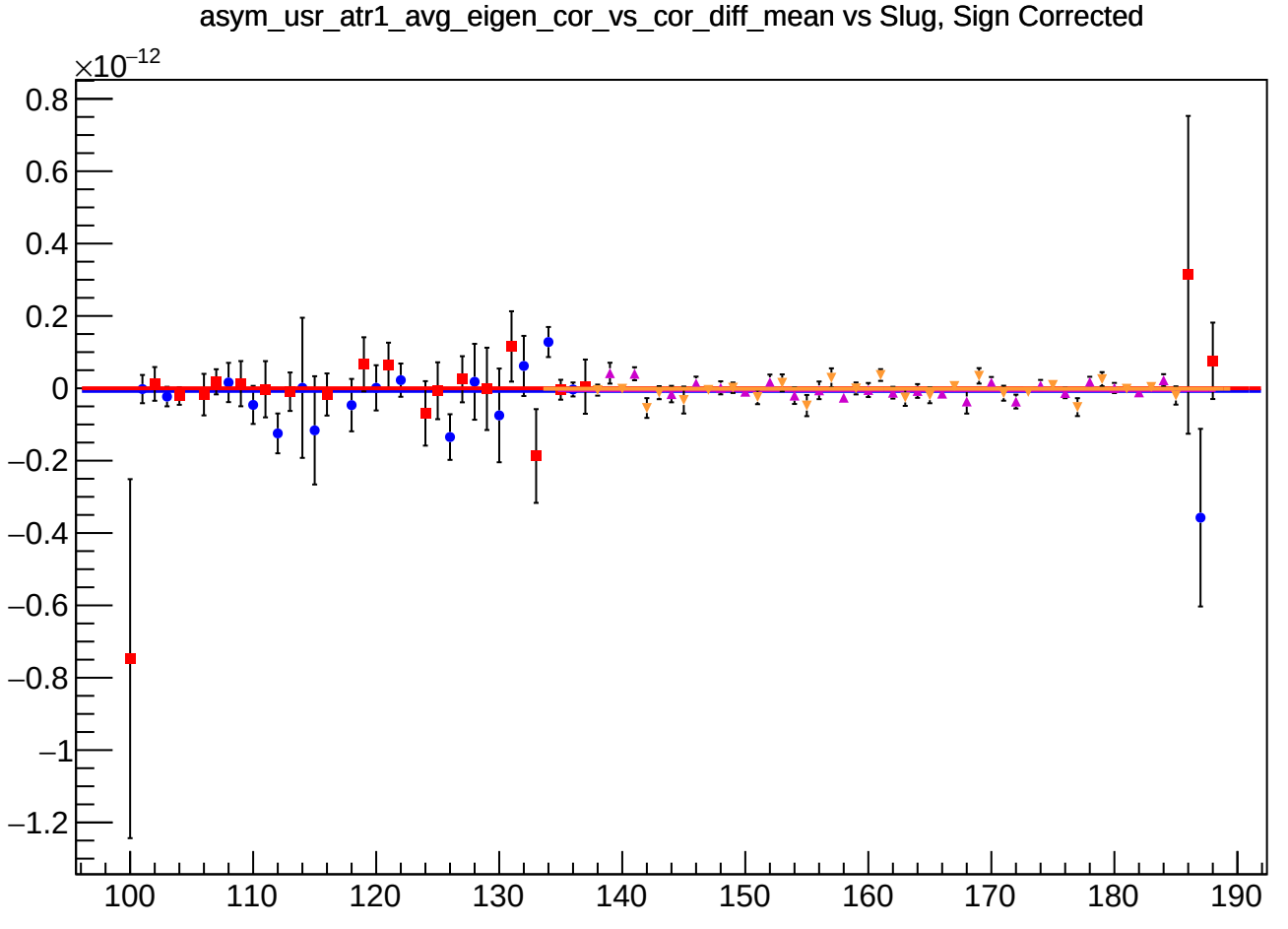
Left: 56.420+/-0.007 χ^2/NDF: 4937485.7/47

Right: 60.202+/-0.012 χ^2/NDF: 5032986.4/37

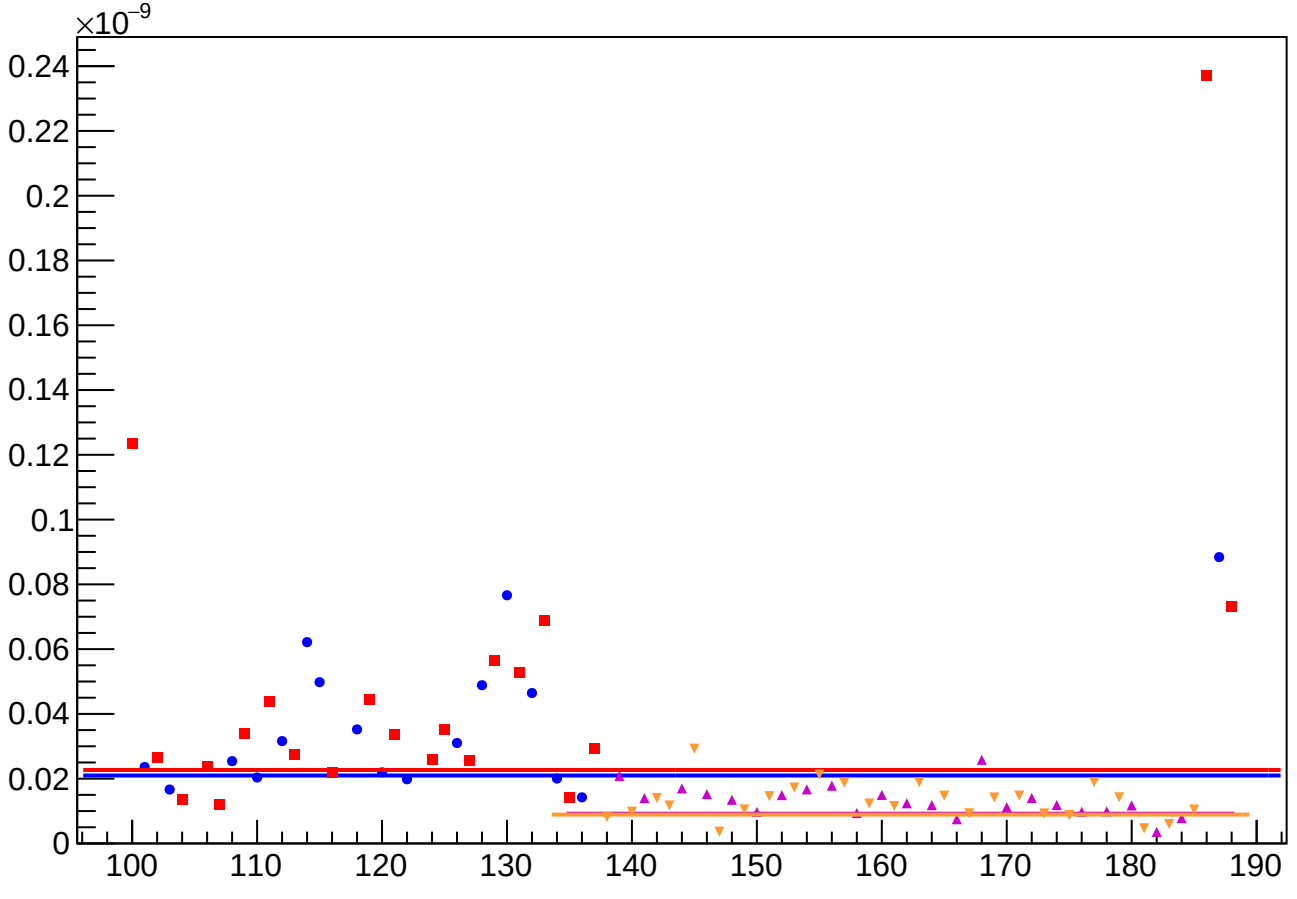
In: 57.832+/-0.009 χ^2/NDF:4247489.3/39

Out: 56.937+/-0.009 χ^2/NDF:5786974.9/45

All: 57.368+/-0.006 χ^2/NDF: 10039607.8/85


asym_usr_atr1_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
100
110
120
130
140
150
160
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 24.6/16
Left Out: -0.000+/-0.000 χ²/NDF:29.6/24
Right Out: 0.000+/-0.000 χ²/NDF: 10.7/20
Left In: -0.000+/-0.000 χ²/NDF:28.4/22
Left: -0.000+/-0.000 χ²/NDF: 58.8/47
Right: -0.000+/-0.000 χ²/NDF: 35.6/37
In: -0.000+/-0.000 χ²/NDF:53.1/39
Out: -0.000+/-0.000 χ²/NDF:40.4/45
All: -0.000+/-0.000 χ²/NDF: 94.4/85

asym_usr_atr1_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1535823.4/16

Left Out: 0.000+/-0.000 χ^2/NDF:5051836.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2849335.6/20

Left In: 0.000+/-0.000 χ^2/NDF:5079391.4/22

Left: 0.000+/-0.000 χ^2/NDF: 10139912.3/47

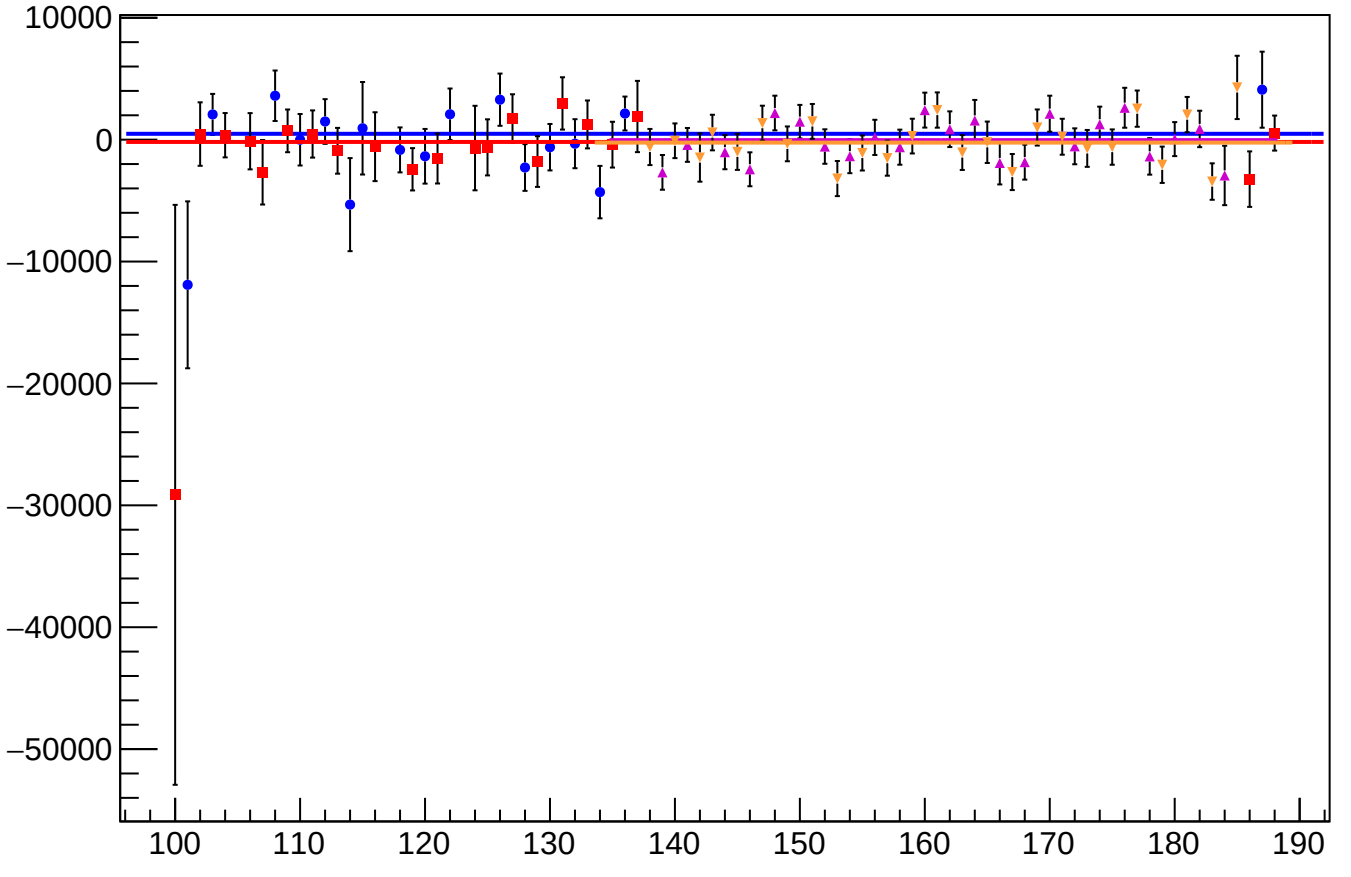
Right: 0.000+/-0.000 χ^2/NDF: 4407129.8/37

In: 0.000+/-0.000 χ^2/NDF:8658436.8/39

Out: 0.000+/-0.000 χ^2/NDF:10462630.0/45

All: 0.000+/-0.000 χ^2/NDF: 19129436.6/85

reg_asym_usr_atr1_dd_mean vs Slug, Sign Corrected



Right In: 481.143+/-510.798 χ^2/NDF: 22.9/16

Left Out: -240.873+/-300.008 χ^2/NDF:31.7/24

Right Out: -187.252+/-463.157 χ^2/NDF: 12.0/20

Left In: -39.122+/-308.622 χ^2/NDF:27.1/22

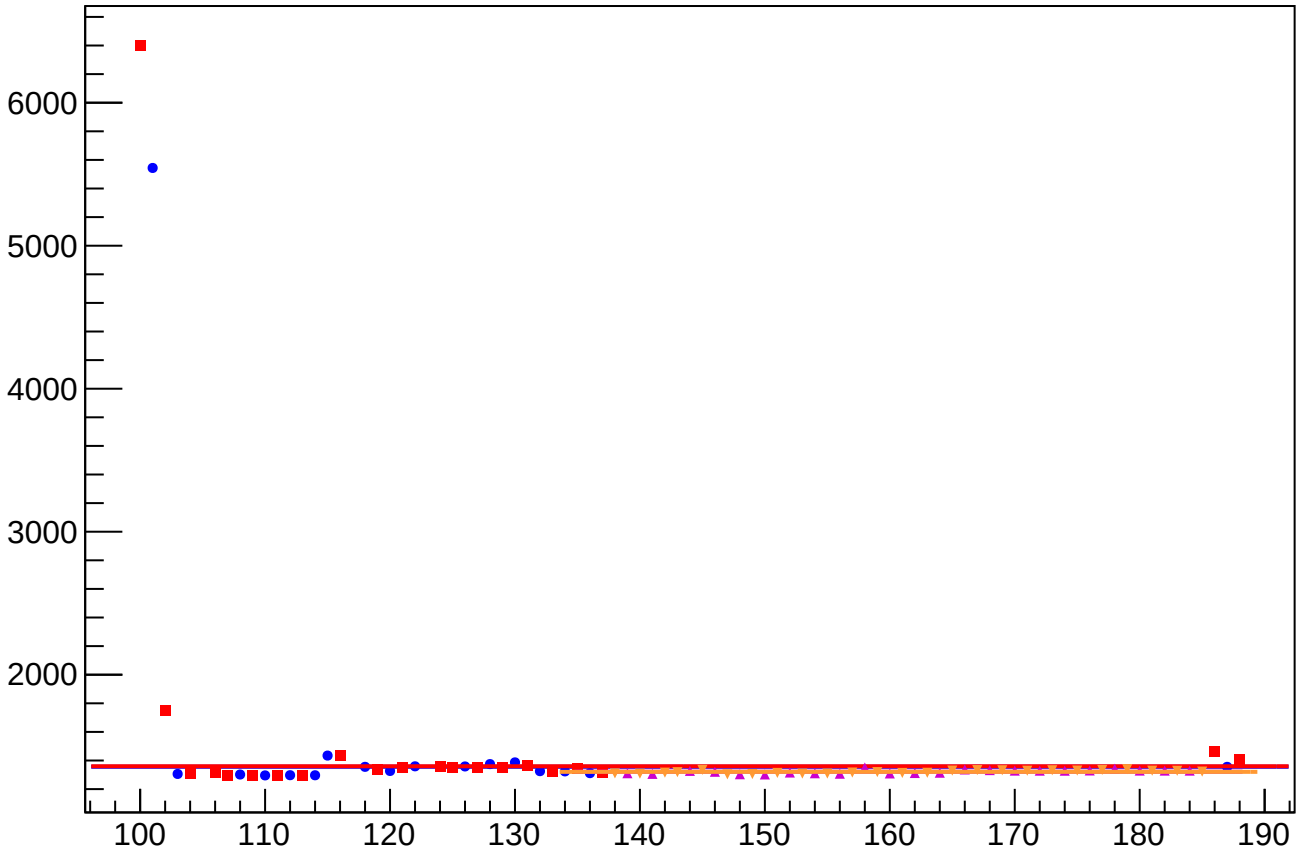
Left: -142.853+/-215.118 χ^2/NDF: 59.1/47

Right: 114.329+/-343.111 χ^2/NDF: 35.9/37

In: 100.011+/-264.151 χ^2/NDF:50.8/39

Out: -225.025+/-251.799 χ^2/NDF:43.8/45

All: -70.284+/-182.259 χ^2/NDF: 95.3/85



Right In: 1356.376+/-0.361 χ^2/NDF: 760266.5/16

Left Out: 1320.740+/-0.212 χ^2/NDF:2602.3/24

Right Out: 1359.756+/-0.328 χ^2/NDF: 154561.5/20

Left In: 1321.782+/-0.218 χ^2/NDF:3553.3/22

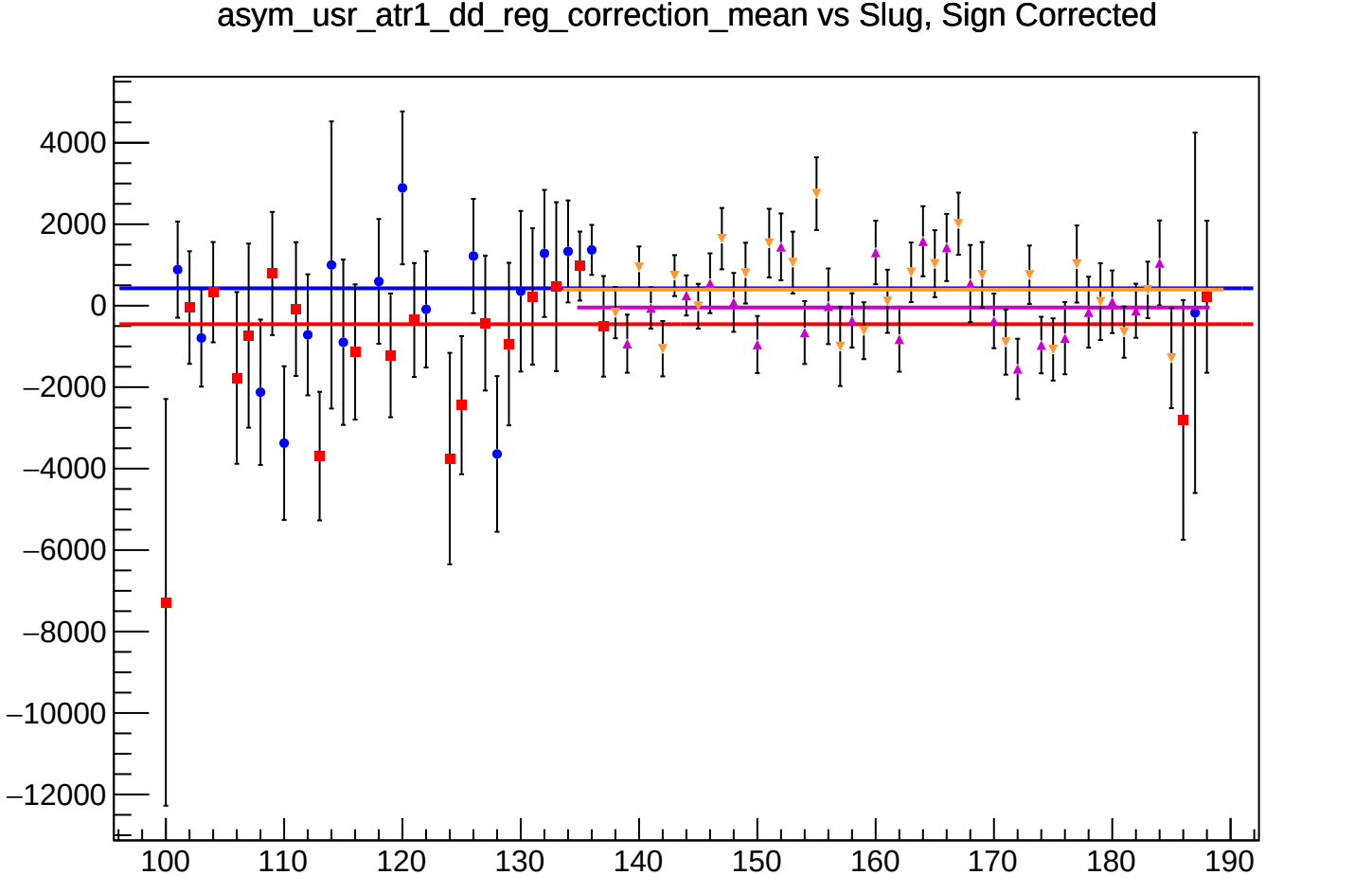
Left: 1321.247+/-0.152 χ^2/NDF: 6167.3/47

Right: 1358.231+/-0.243 χ^2/NDF: 914876.0/37

In: 1331.034+/-0.187 χ^2/NDF:770539.7/39

Out: 1332.272+/-0.178 χ^2/NDF:167161.6/45

All: 1331.682+/-0.129 χ^2/NDF: 937724.3/85



Right In: 426.844+/-337.473 χ^2/NDF: 18.3/16

Left Out: 394.550+/-144.562 χ^2/NDF:41.8/24

Right Out: -454.392+/-346.877 χ^2/NDF: 15.2/20

Left In: -44.777+/-152.333 χ^2/NDF:27.6/22

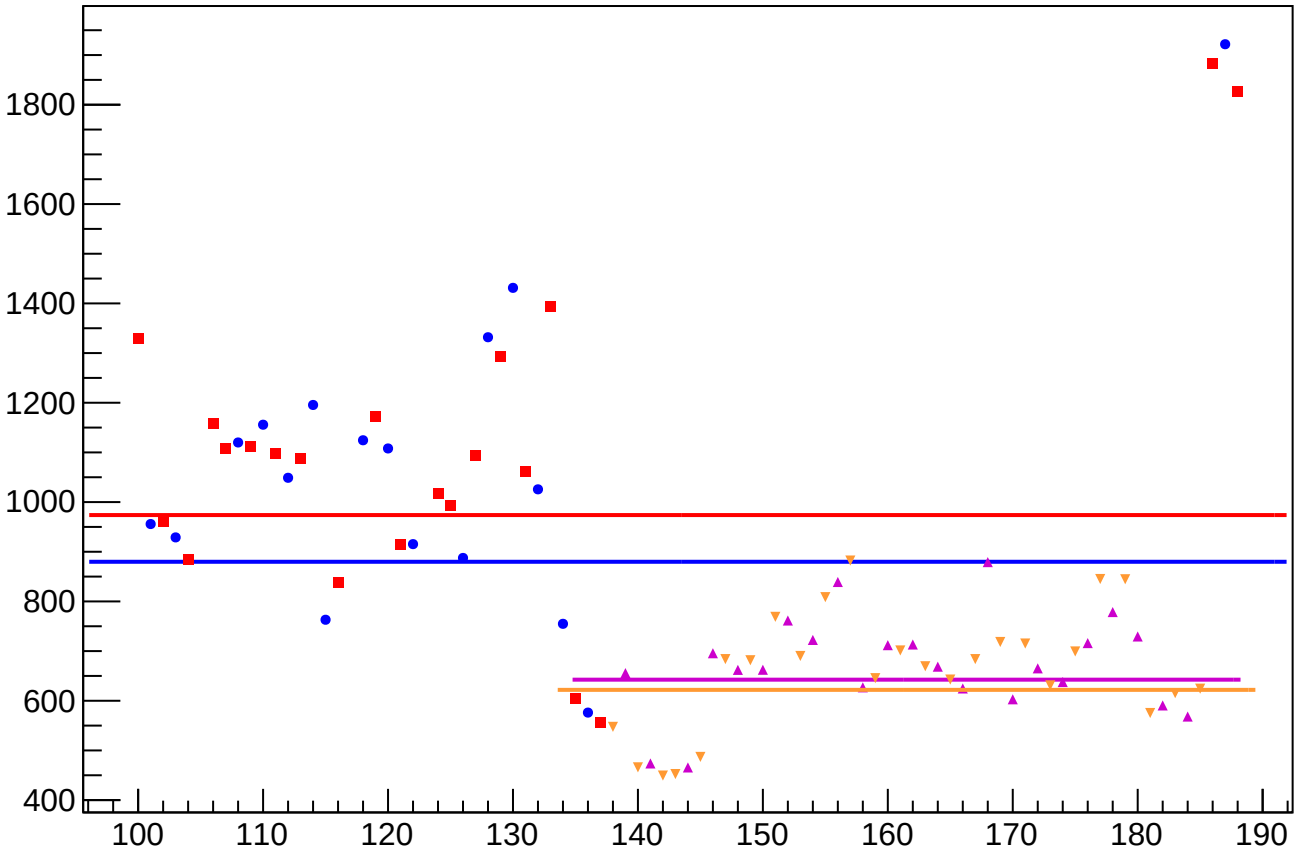
Left: 186.377+/-104.860 χ^2/NDF: 73.8/47

Right: -1.667+/-241.886 χ^2/NDF: 36.7/37

In: 35.052+/-138.843 χ^2/NDF:47.5/39

Out: 268.923+/-133.438 χ^2/NDF:62.1/45

All: 156.628+/-96.209 χ^2/NDF: 111.0/85



Right In: 879.830+/-0.239 χ^2/NDF: 1126436.4/16

Left Out: 621.950+/-0.102 χ^2/NDF:1383473.2/24

Right Out: 973.862+/-0.245 χ^2/NDF: 1499299.3/20

Left In: 642.470+/-0.108 χ^2/NDF:926330.5/22

Left: 631.673+/-0.074 χ^2/NDF: 2328898.3/47

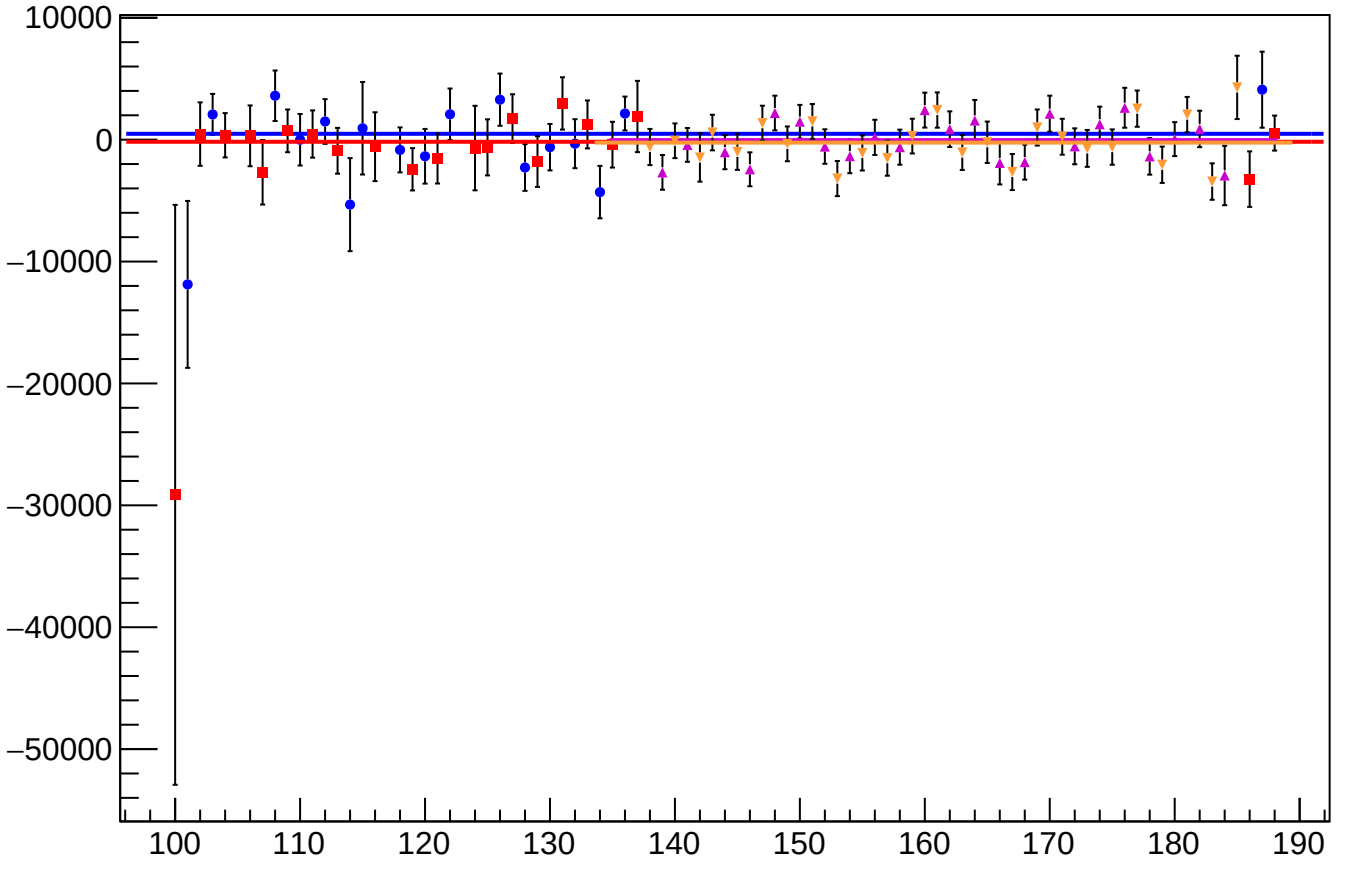
Right: 925.554+/-0.171 χ^2/NDF: 2701240.1/37

In: 682.647+/-0.098 χ^2/NDF:2874684.9/39

Out: 674.026+/-0.094 χ^2/NDF:4636637.4/45

All: 678.166+/-0.068 χ^2/NDF: 7515330.5/85

cor_asym_usr_atr1_dd_mean vs Slug, Sign Corrected



Right In: 481.439+/-510.798 χ^2/NDF: 22.9/16

Left Out: -240.875+/-300.008 χ^2/NDF:31.7/24

Right Out: -172.508+/-464.507 χ^2/NDF: 12.1/20

Left In: -39.193+/-308.622 χ^2/NDF:27.1/22

Left: -142.888+/-215.118 χ^2/NDF: 59.1/47

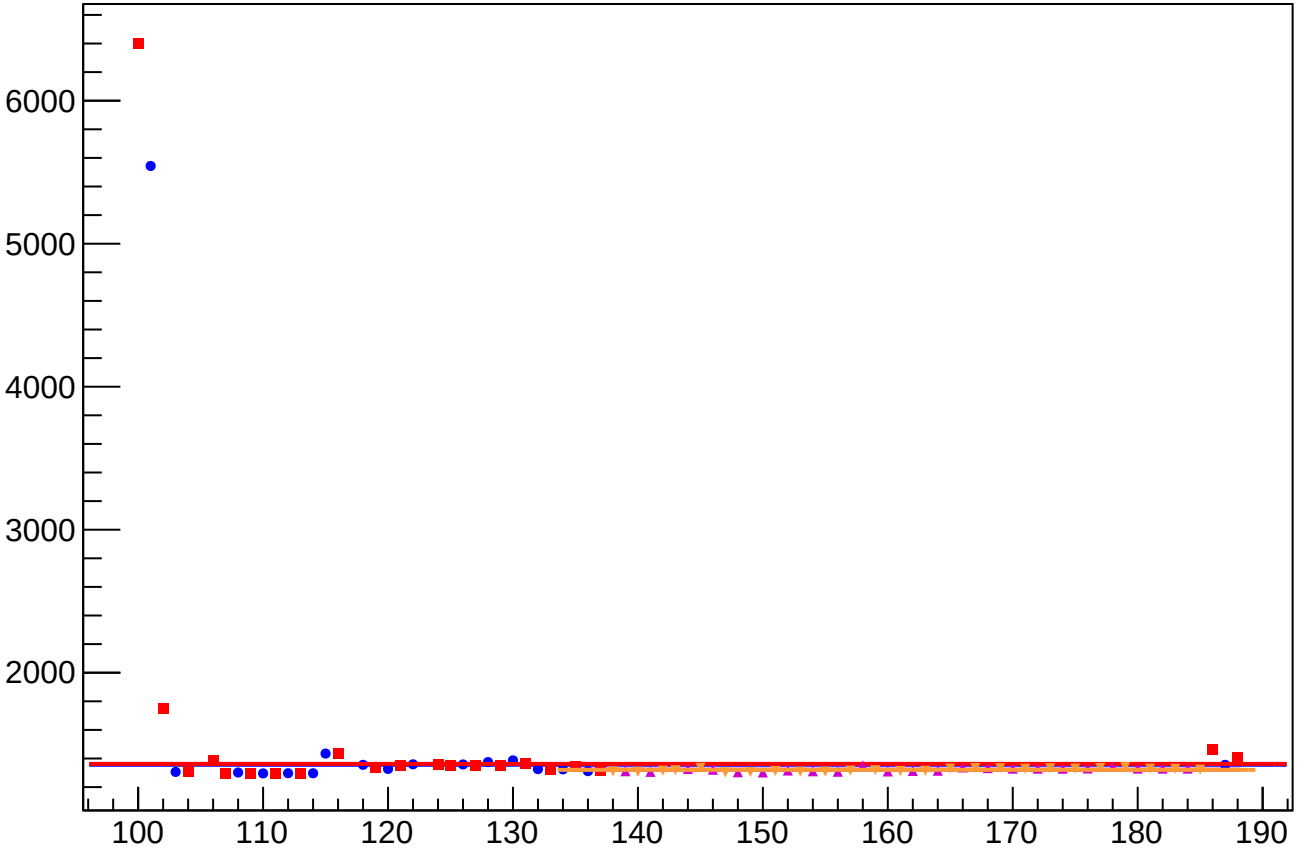
Right: 123.497+/-343.659 χ^2/NDF: 35.9/37

In: 100.038+/-264.151 χ^2/NDF:50.8/39

Out: -220.751+/-252.015 χ^2/NDF:43.8/45

All: -67.895+/-182.341 χ^2/NDF: 95.3/85

cor_asym_usr_atr1_dd_rms vs Slug, Sign Corrected



Right In: 1356.376+/-0.361 χ^2/NDF: 760265.5/16

Left Out: 1320.740+/-0.212 χ^2/NDF:2602.3/24

Right Out: 1362.474+/-0.328 χ^2/NDF: 154093.7/20

Left In: 1321.783+/-0.218 χ^2/NDF:3553.3/22

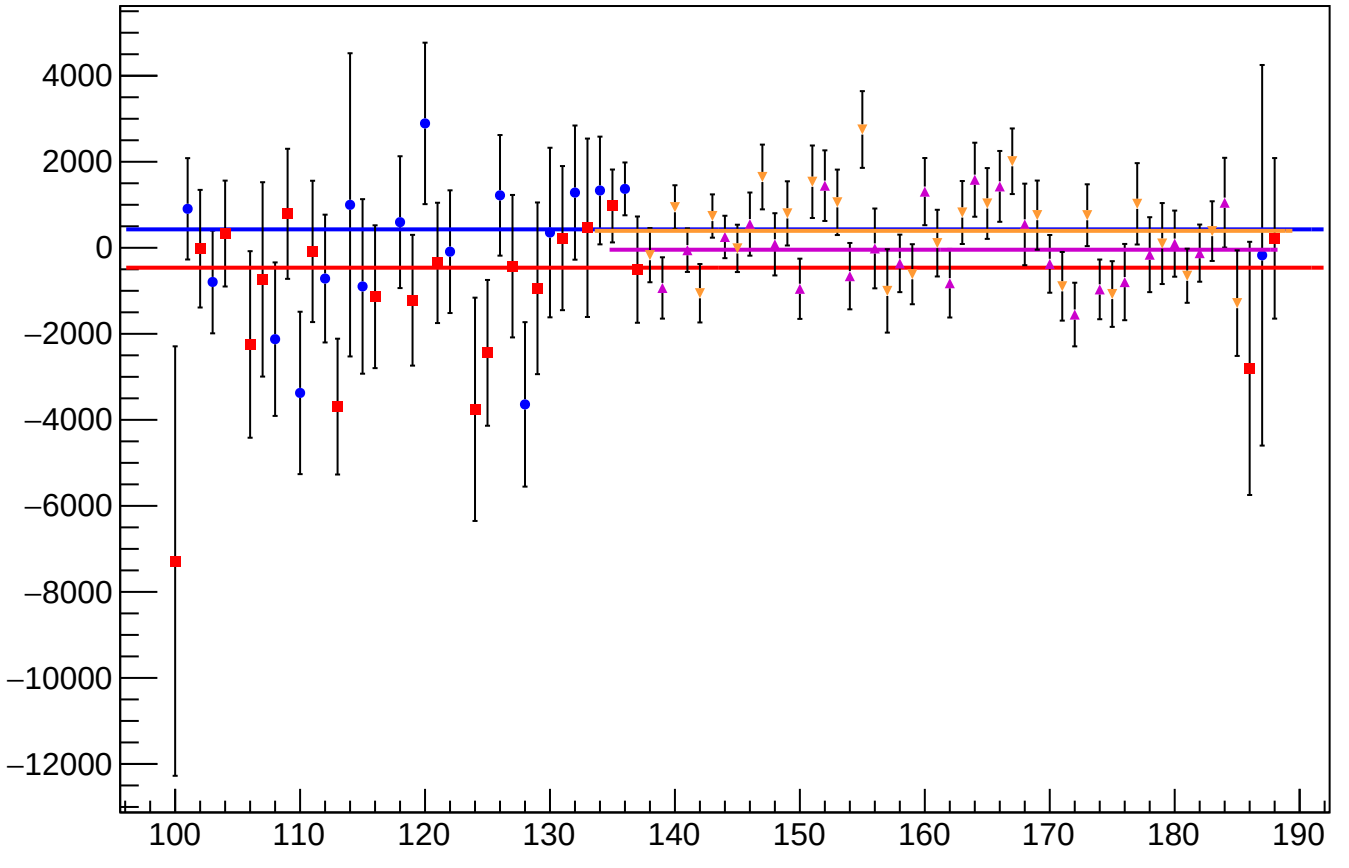
Left: 1321.247+/-0.152 χ^2/NDF: 6167.3/47

Right: 1359.713+/-0.243 χ^2/NDF: 914515.2/37

In: 1331.034+/-0.187 χ^2/NDF:770538.7/39

Out: 1333.025+/-0.178 χ^2/NDF:168087.9/45

All: 1332.076+/-0.129 χ^2/NDF: 938686.1/85



Right In: 428.609+/-337.417 χ^2/NDF: 18.3/16

Left Out: 394.522+/-144.562 χ^2/NDF:41.8/24

Right Out: -462.462+/-346.882 χ^2/NDF: 15.5/20

Left In: -44.766+/-152.332 χ^2/NDF:27.6/22

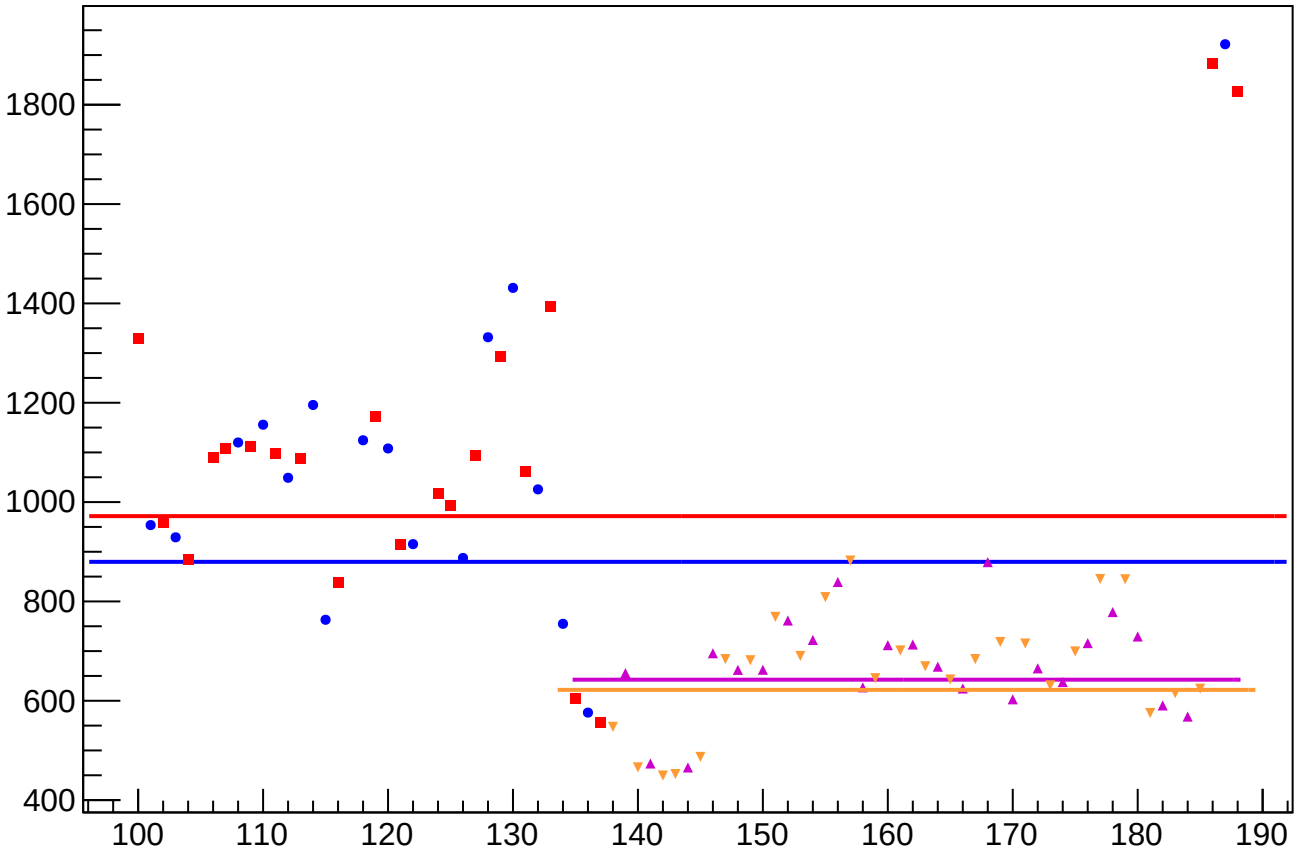
Left: 186.367+/-104.860 χ^2/NDF: 73.8/47

Right: -4.604+/-241.867 χ^2/NDF: 37.1/37

In: 35.381+/-138.838 χ^2/NDF:47.5/39

Out: 267.708+/-133.438 χ^2/NDF:62.5/45

All: 156.151+/-96.207 χ^2/NDF: 111.5/85



Right In: 879.702+/-0.239 χ^2/NDF: 1126009.9/16

Left Out: 621.950+/-0.102 χ^2/NDF:1383373.4/24

Right Out: 971.742+/-0.245 χ^2/NDF: 1489863.0/20

Left In: 642.465+/-0.108 χ^2/NDF:926376.1/22

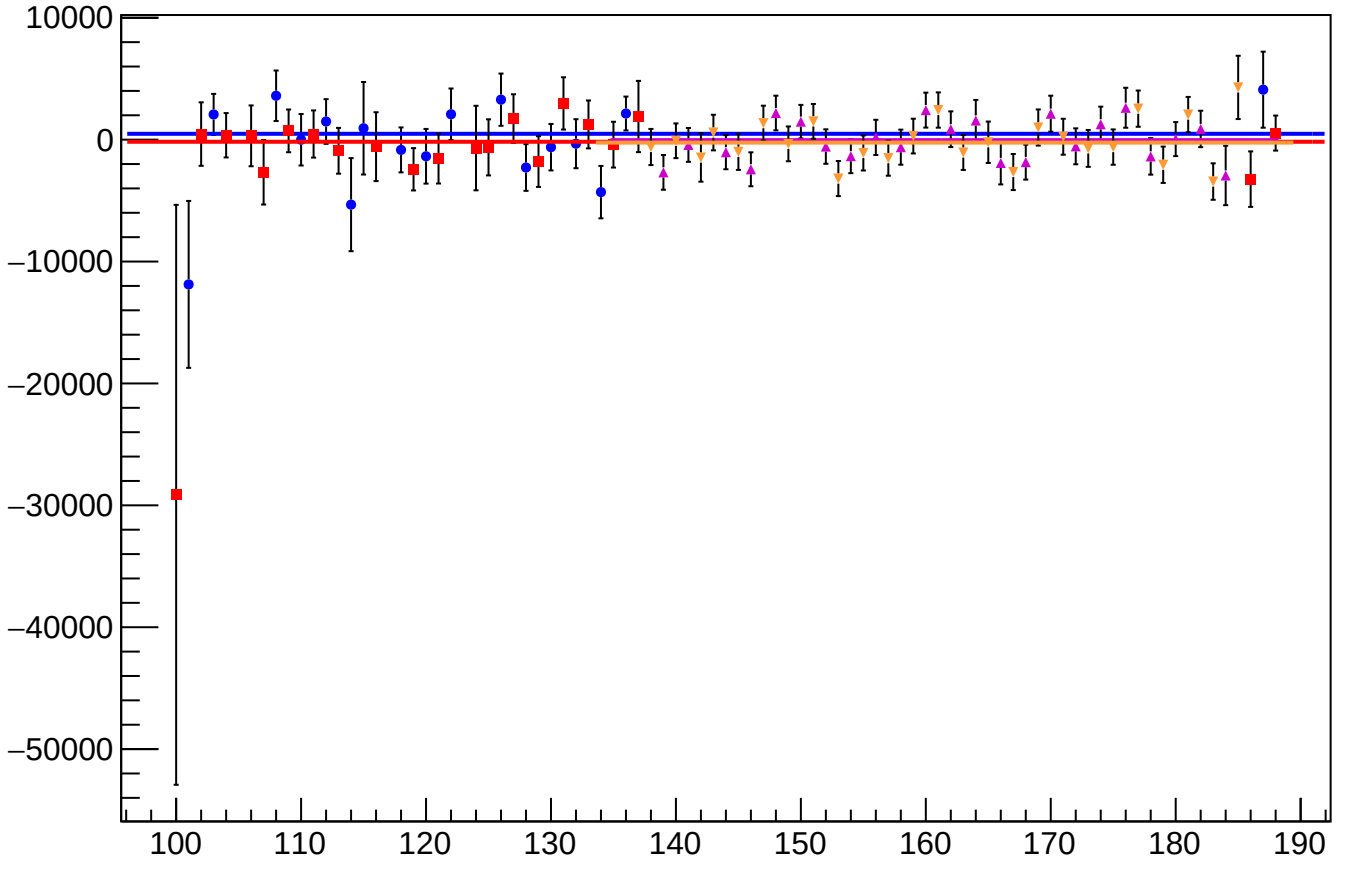
Left: 631.671+/-0.074 χ^2/NDF: 2328835.4/47

Right: 924.449+/-0.171 χ^2/NDF: 2688222.0/37

In: 682.632+/-0.098 χ^2/NDF:2873682.1/39

Out: 673.711+/-0.094 χ^2/NDF:4605992.3/45

All: 677.995+/-0.068 χ^2/NDF: 7483966.5/85



Right In: 481.439+/-510.798 χ^2/NDF: 22.9/16

Left Out: -240.875+/-300.008 χ^2/NDF:31.7/24

Right Out: -172.508+/-464.507 χ^2/NDF: 12.1/20

Left In: -39.193+/-308.622 χ^2/NDF:27.1/22

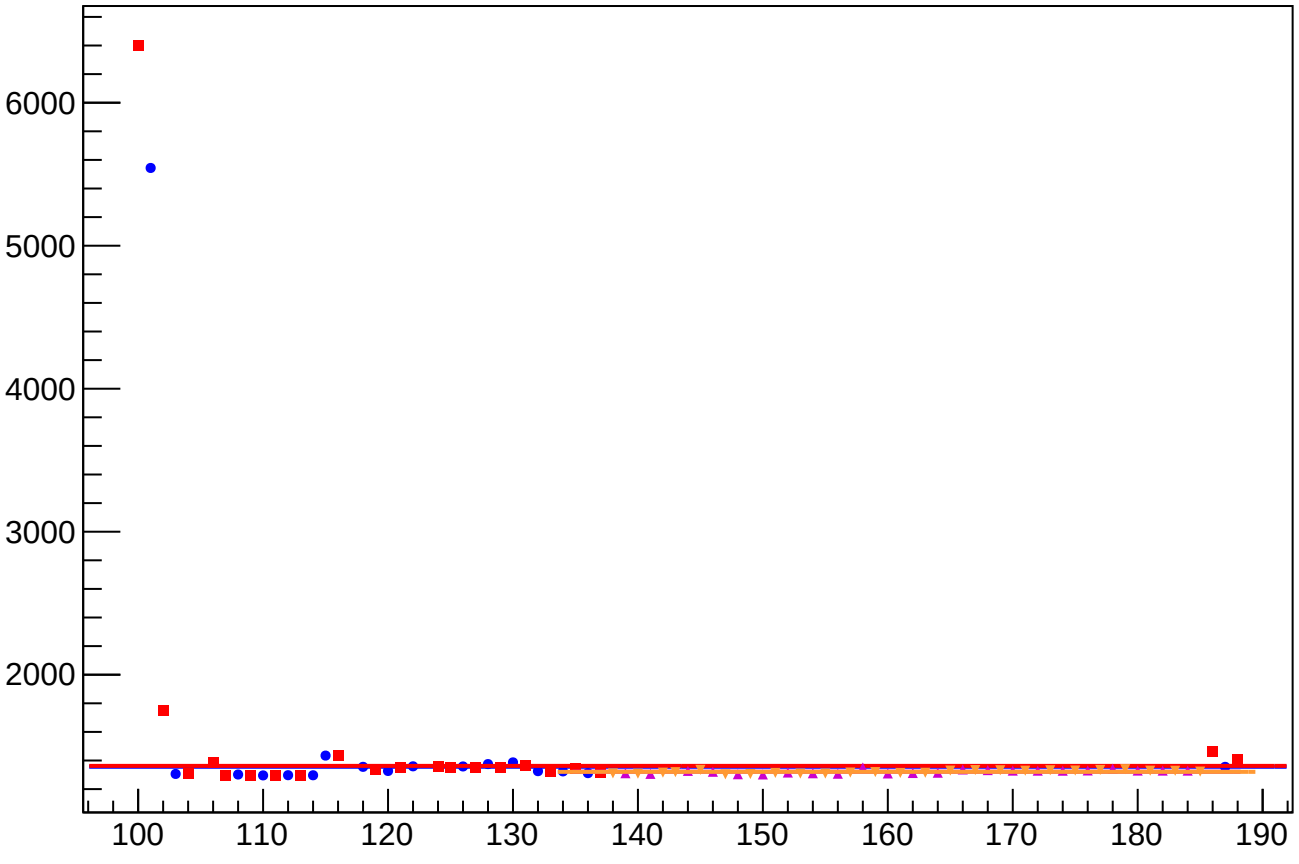
Left: -142.888+/-215.118 χ^2/NDF: 59.1/47

Right: 123.497+/-343.659 χ^2/NDF: 35.9/37

In: 100.038+/-264.151 χ^2/NDF:50.8/39

Out: -220.751+/-252.015 χ^2/NDF:43.8/45

All: -67.895+/-182.341 χ^2/NDF: 95.3/85



Right In: 1356.376+/-0.361 χ^2/NDF: 760265.5/16

Left Out: 1320.740+/-0.212 χ^2/NDF:2602.3/24

Right Out: 1362.474+/-0.328 χ^2/NDF: 154093.7/20

Left In: 1321.783+/-0.218 χ^2/NDF:3553.3/22

Left: 1321.247+/-0.152 χ^2/NDF: 6167.3/47

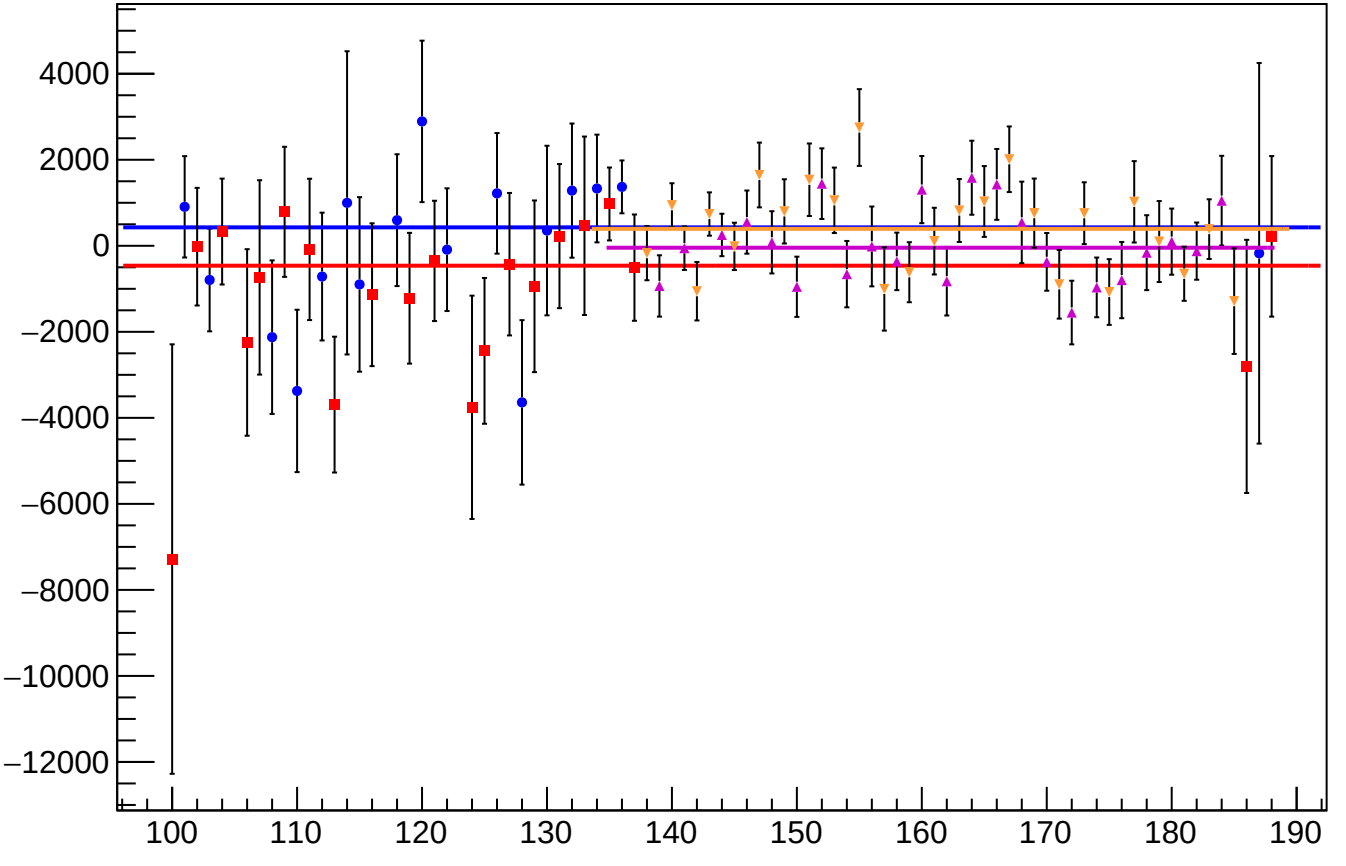
Right: 1359.713+/-0.243 χ^2/NDF: 914515.2/37

In: 1331.034+/-0.187 χ^2/NDF:770538.7/39

Out: 1333.025+/-0.178 χ^2/NDF:168087.9/45

All: 1332.076+/-0.129 χ^2/NDF: 938686.1/85

asym_usr_atr1_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 428.609+/-337.417 χ^2/NDF: 18.3/16

Left Out: 394.522+/-144.562 χ^2/NDF:41.8/24

Right Out: -462.462+/-346.882 χ^2/NDF: 15.5/20

Left In: -44.766+/-152.332 χ^2/NDF:27.6/22

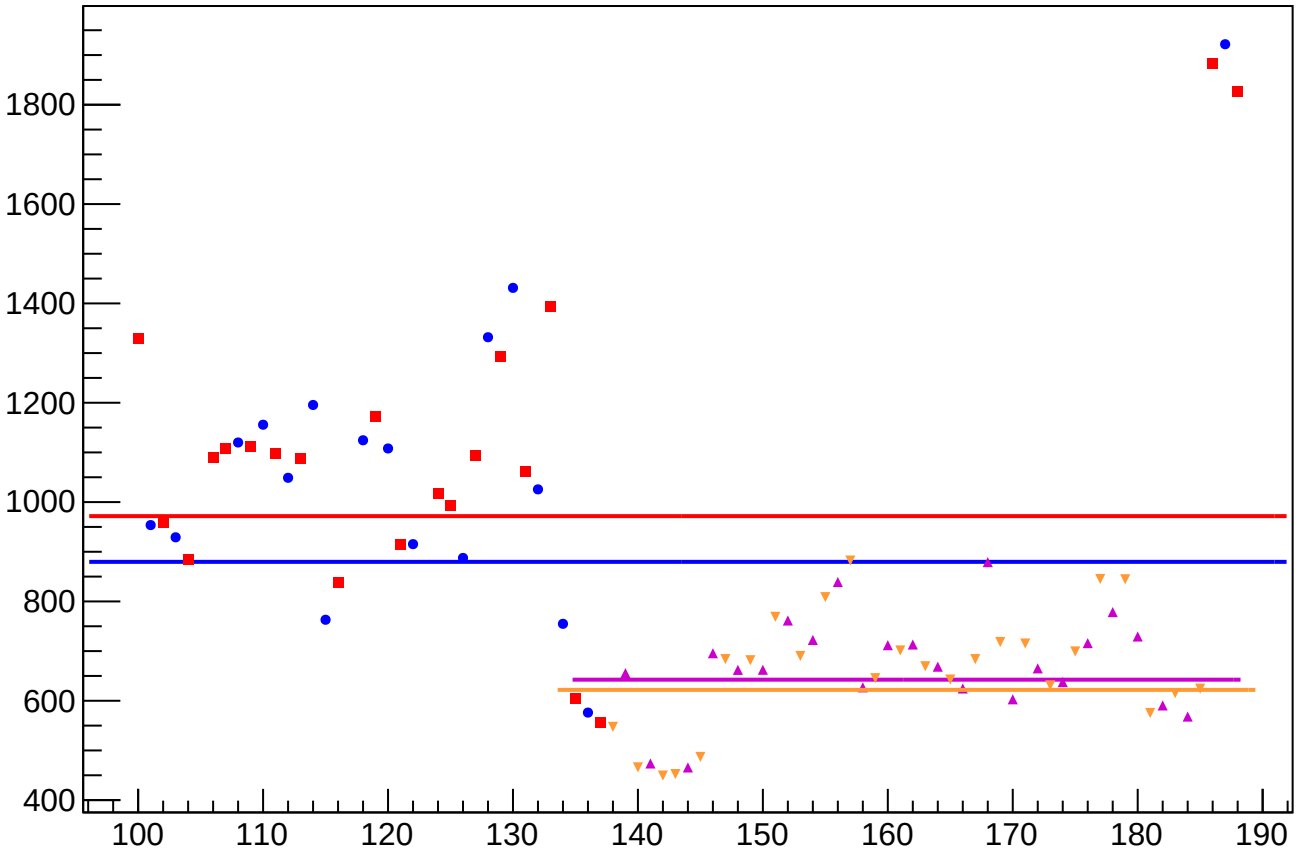
Left: 186.367+/-104.860 χ^2/NDF: 73.8/47

Right: -4.604+/-241.867 χ^2/NDF: 37.1/37

In: 35.381+/-138.838 χ^2/NDF:47.5/39

Out: 267.708+/-133.438 χ^2/NDF:62.5/45

All: 156.151+/-96.207 χ^2/NDF: 111.5/85



Right In: 879.702+/-0.239 χ^2/NDF: 1126009.9/16

Left Out: 621.950+/-0.102 χ^2/NDF:1383373.4/24

Right Out: 971.742+/-0.245 χ^2/NDF: 1489863.0/20

Left In: 642.465+/-0.108 χ^2/NDF:926376.1/22

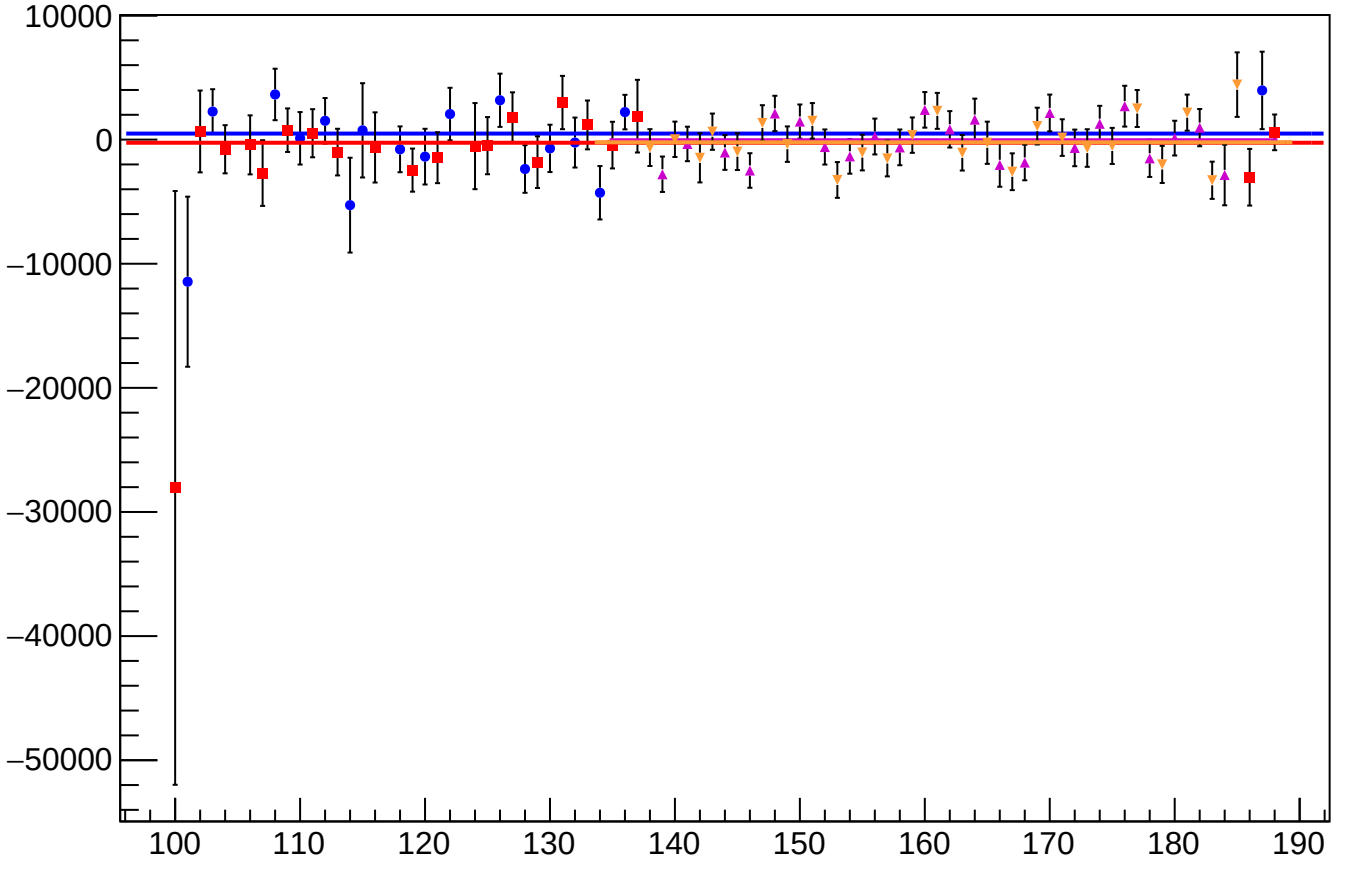
Left: 631.671+/-0.074 χ^2/NDF: 2328835.4/47

Right: 924.449+/-0.171 χ^2/NDF: 2688222.0/37

In: 682.632+/-0.098 χ^2/NDF:2873682.1/39

Out: 673.711+/-0.094 χ^2/NDF:4605992.3/45

All: 677.995+/-0.068 χ^2/NDF: 7483966.5/85



Right In: 486.880+/-514.044 χ^2/NDF: 22.7/16

Left Out: -215.033+/-300.379 χ^2/NDF:31.3/24

Right Out: -251.427+/-468.723 χ^2/NDF: 11.8/20

Left In: -50.244+/-308.986 χ^2/NDF:27.8/22

Left: -134.966+/-215.379 χ^2/NDF: 59.2/47

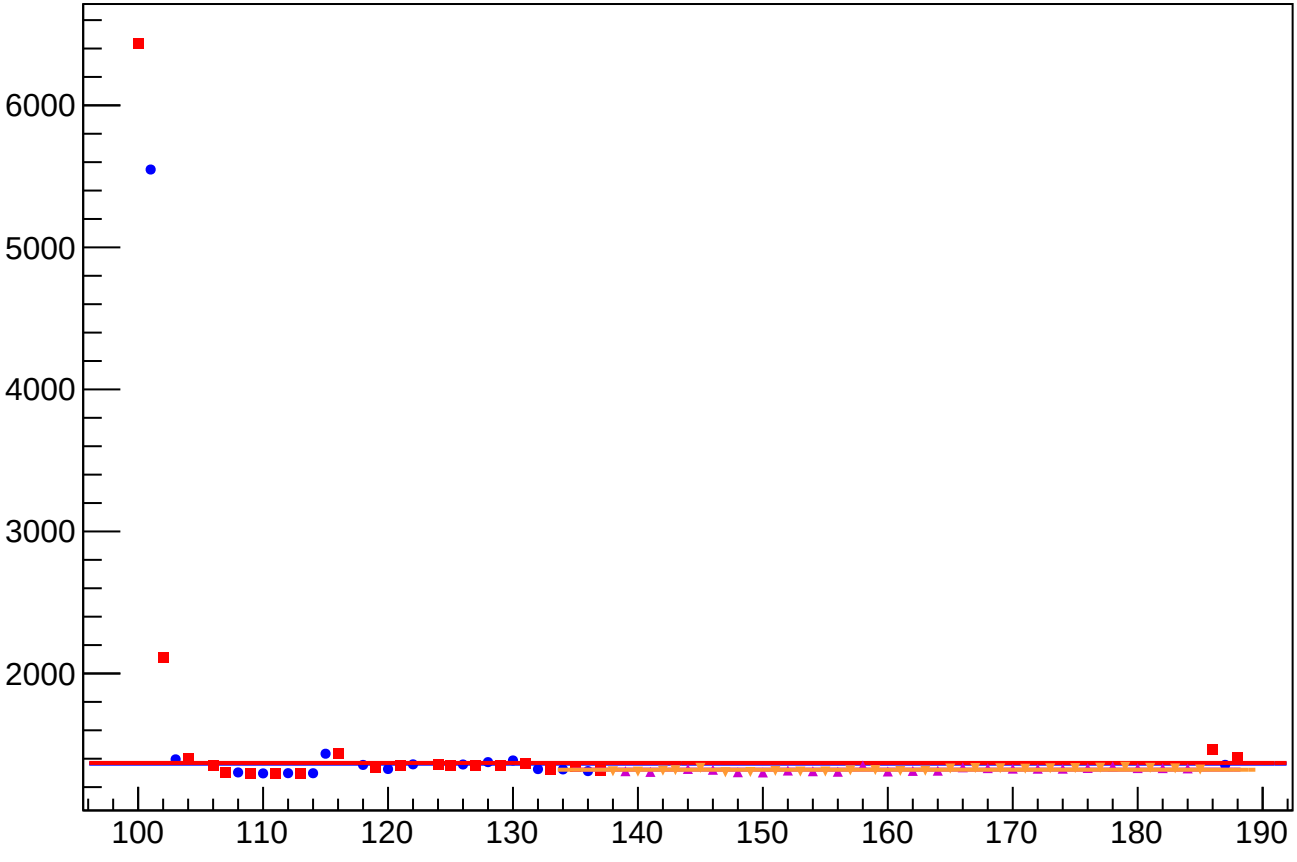
Right: 83.752+/-346.354 χ^2/NDF: 35.6/37

In: 92.316+/-264.826 χ^2/NDF:51.3/39

Out: -225.629+/-252.904 χ^2/NDF:43.1/45

All: -73.974+/-182.900 χ^2/NDF: 95.1/85

dit_asym_usr_atr1_dd_rms vs Slug, Sign Corrected



Right In: 1365.068+/-0.363 χ^2/NDF: 758959.6/16

Left Out: 1322.369+/-0.212 χ^2/NDF:2931.9/24

Right Out: 1370.333+/-0.331 χ^2/NDF: 211084.4/20

Left In: 1323.337+/-0.218 χ^2/NDF:3856.3/22

Left: 1322.839+/-0.152 χ^2/NDF: 6798.3/47

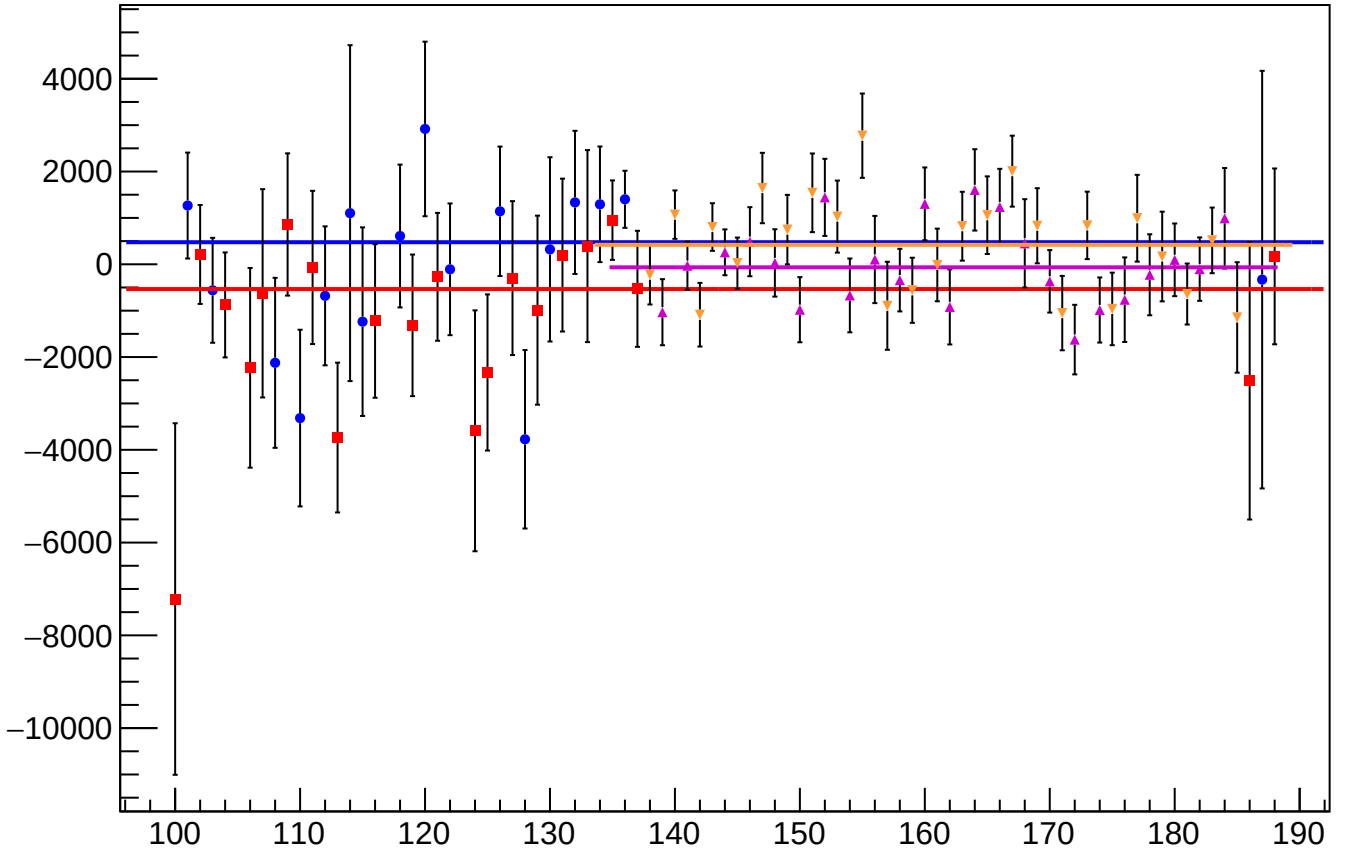
Right: 1367.943+/-0.245 χ^2/NDF: 970158.6/37

In: 1334.413+/-0.187 χ^2/NDF:772498.3/39

Out: 1336.332+/-0.179 χ^2/NDF:228862.0/45

All: 1335.417+/-0.129 χ^2/NDF: 1001415.3/85

asym_usr_atr1_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 475.895+/-335.584 χ^2/NDF: 18.6/16

Left Out: 419.899+/-146.436 χ^2/NDF:41.5/24

Right Out: -533.597+/-338.287 χ^2/NDF: 16.2/20

Left In: -65.405+/-154.224 χ^2/NDF:27.0/22

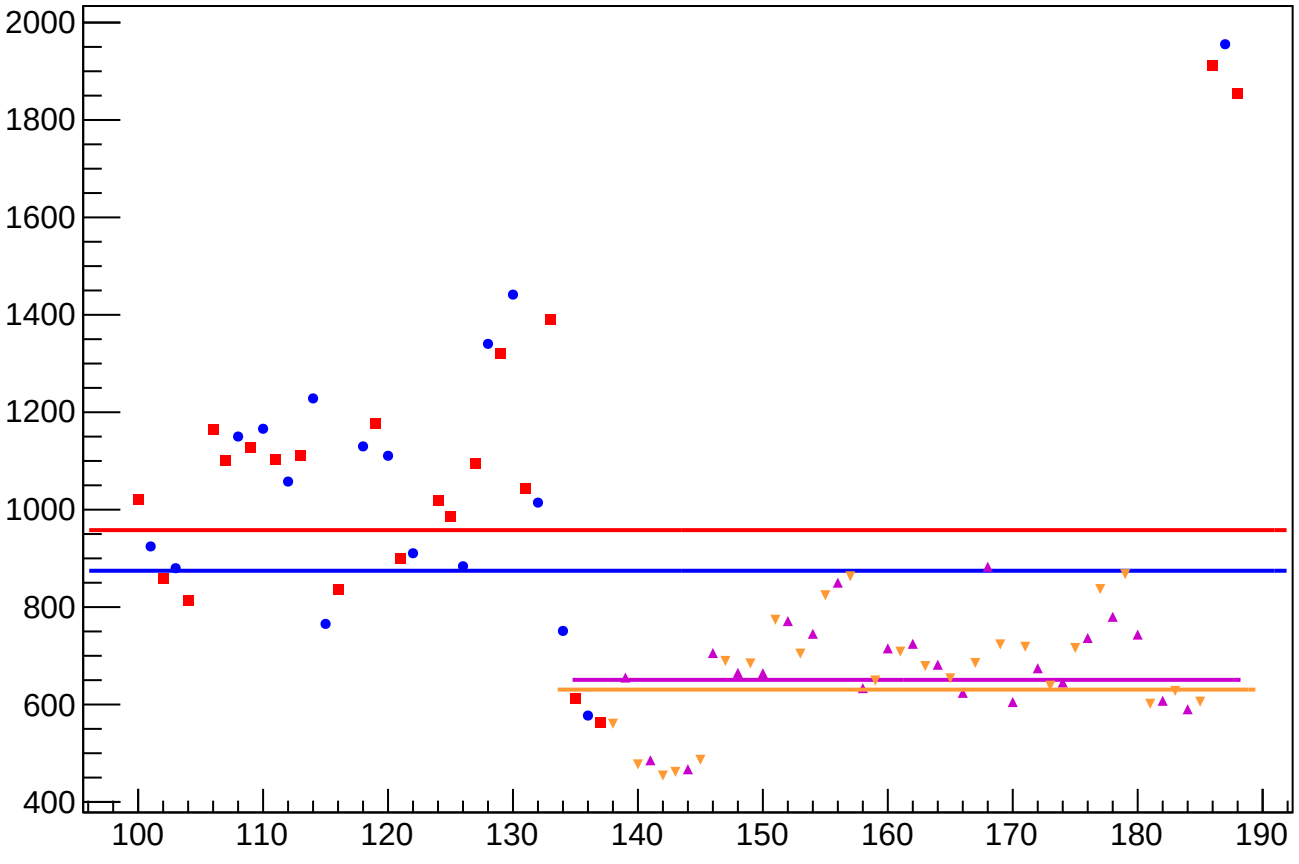
Left: 189.810+/-106.192 χ^2/NDF: 73.8/47

Right: -24.802+/-238.244 χ^2/NDF: 39.3/37

In: 28.984+/-140.134 χ^2/NDF:47.8/39

Out: 269.428+/-134.386 χ^2/NDF:64.4/45

All: 154.239+/-96.994 χ^2/NDF: 113.8/85



Right In: 874.612+/-0.237 χ^2/NDF: 1137291.7/16

Left Out: 630.592+/-0.104 χ^2/NDF:1328590.6/24

Right Out: 958.022+/-0.239 χ^2/NDF: 1539802.9/20

Left In: 650.637+/-0.109 χ^2/NDF:922078.1/22

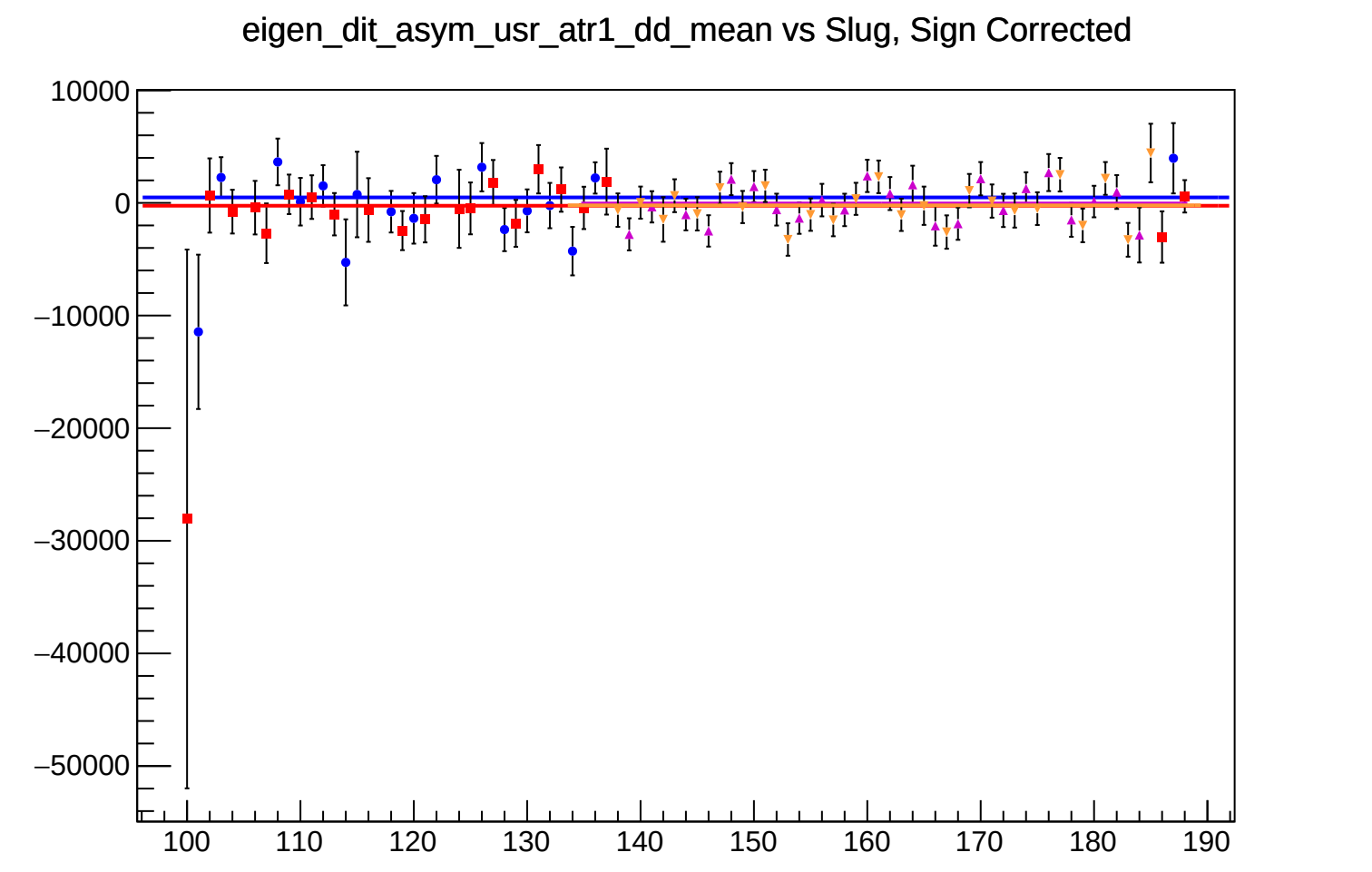
Left: 640.095+/-0.075 χ^2/NDF: 2268436.2/47

Right: 915.983+/-0.168 χ^2/NDF: 2738376.3/37

In: 689.693+/-0.099 χ^2/NDF:2794918.1/39

Out: 682.263+/-0.095 χ^2/NDF:4446391.3/45

All: 685.823+/-0.069 χ^2/NDF: 7244237.7/85



Right In: 486.880+/-514.044 χ^2/NDF: 22.7/16

Left Out: -215.035+/-300.379 χ^2/NDF:31.3/24

Right Out: -251.426+/-468.723 χ^2/NDF: 11.8/20

Left In: -50.244+/-308.986 χ^2/NDF:27.8/22

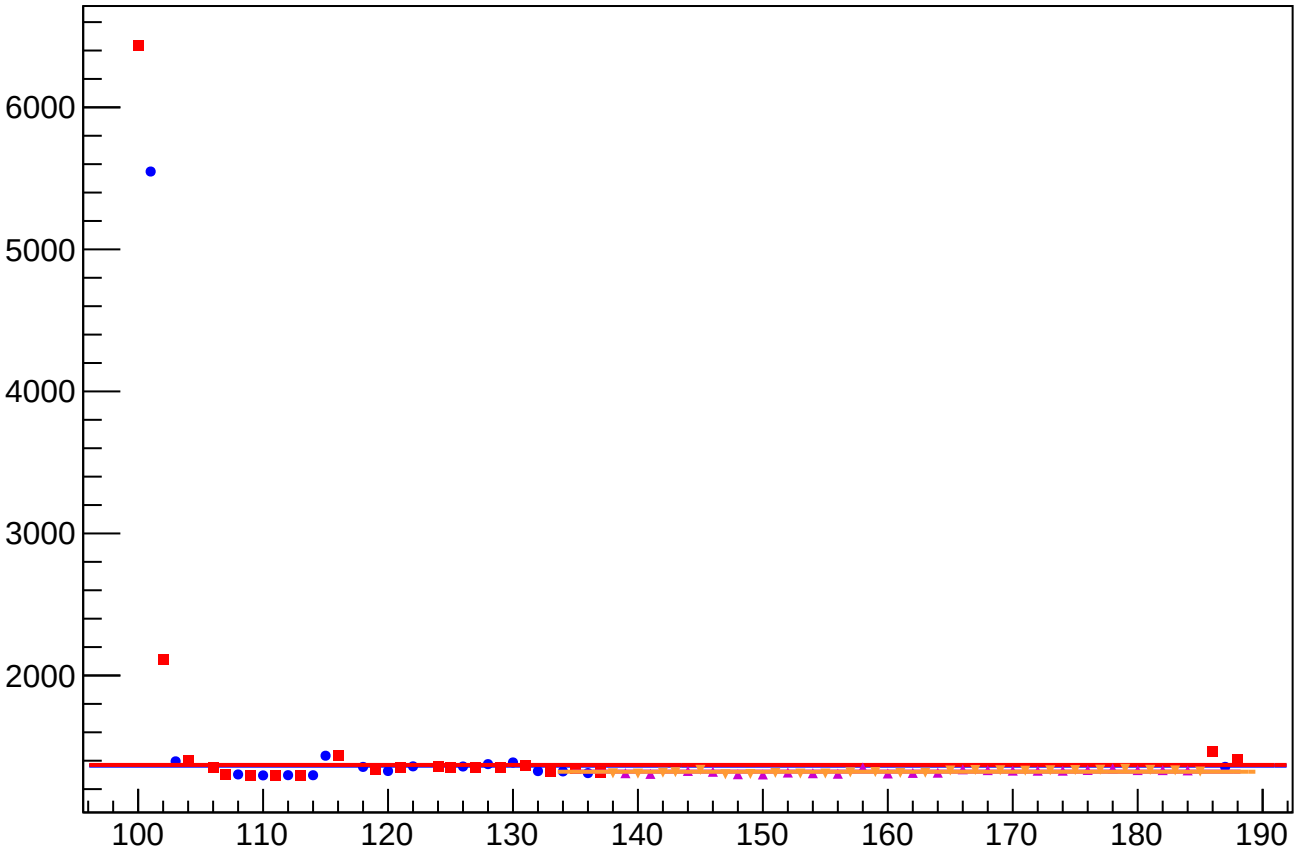
Left: -134.967+/-215.379 χ^2/NDF: 59.2/47

Right: 83.752+/-346.354 χ^2/NDF: 35.6/37

In: 92.316+/-264.826 χ^2/NDF:51.3/39

Out: -225.629+/-252.904 χ^2/NDF:43.1/45

All: -73.975+/-182.900 χ^2/NDF: 95.1/85



Right In: 1365.068+/-0.363 χ^2/NDF: 758959.6/16

Left Out: 1322.369+/-0.212 χ^2/NDF:2931.9/24

Right Out: 1370.333+/-0.331 χ^2/NDF: 211084.4/20

Left In: 1323.337+/-0.218 χ^2/NDF:3856.3/22

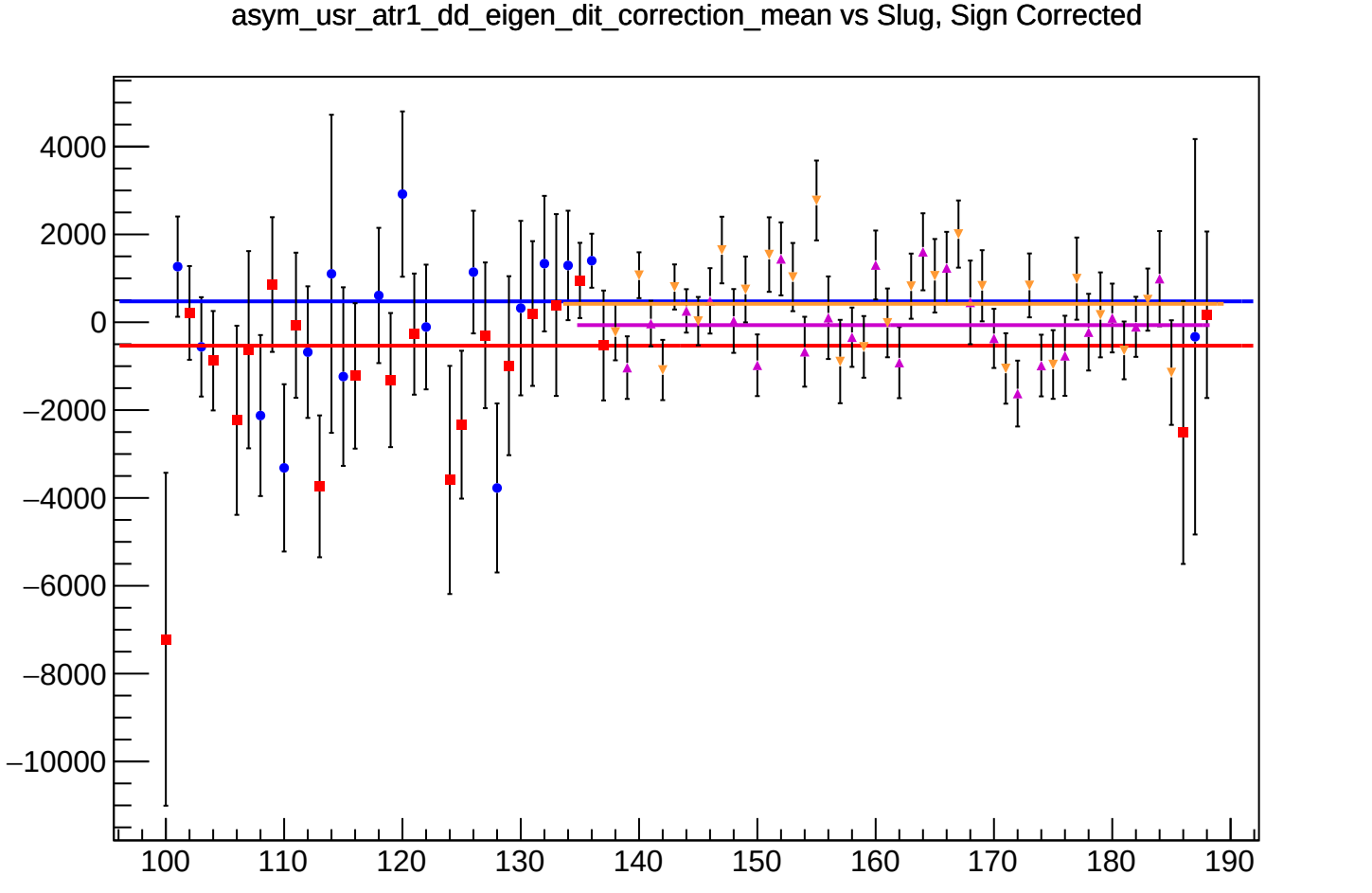
Left: 1322.839+/-0.152 χ^2/NDF: 6798.3/47

Right: 1367.943+/-0.245 χ^2/NDF: 970158.5/37

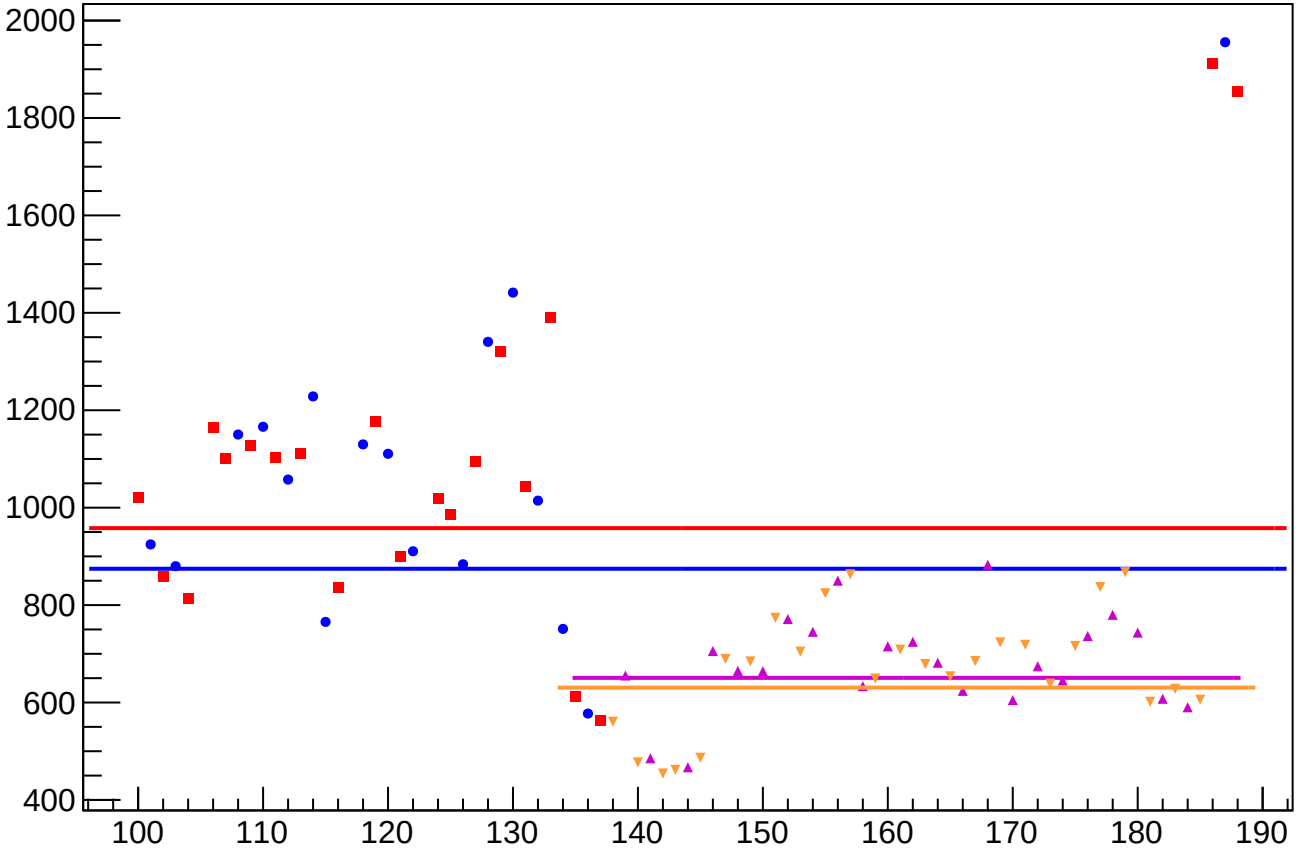
In: 1334.413+/-0.187 χ^2/NDF:772498.3/39

Out: 1336.332+/-0.179 χ^2/NDF:228862.0/45

All: 1335.417+/-0.129 χ^2/NDF: 1001415.2/85


asym_usr_atr1_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
4000
2000
0
−2000
−4000
−6000
−8000
−10000
100
110
120
130
140
150
160
170
180
190
Right In: 475.892+/-335.583 χ²/NDF: 18.6/16
Left Out: 419.899+/-146.436 χ²/NDF:41.5/24
Right Out: -533.596+/-338.286 χ²/NDF: 16.2/20
Left In: -65.405+/-154.225 χ²/NDF:27.0/22
Left: 189.810+/-106.193 χ²/NDF: 73.8/47
Right: -24.802+/-238.243 χ²/NDF: 39.3/37
In: 28.985+/-140.134 χ²/NDF:47.8/39
Out: 269.427+/-134.386 χ²/NDF:64.4/45
All: 154.239+/-96.994 χ²/NDF: 113.8/85

asym_usr_atr1_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 874.610+/-0.237 χ^2/NDF: 1137290.1/16

Left Out: 630.592+/-0.104 χ^2/NDF:1328610.2/24

Right Out: 958.020+/-0.239 χ^2/NDF: 1539802.1/20

Left In: 650.638+/-0.109 χ^2/NDF:922087.6/22

Left: 640.096+/-0.075 χ^2/NDF: 2268466.1/47

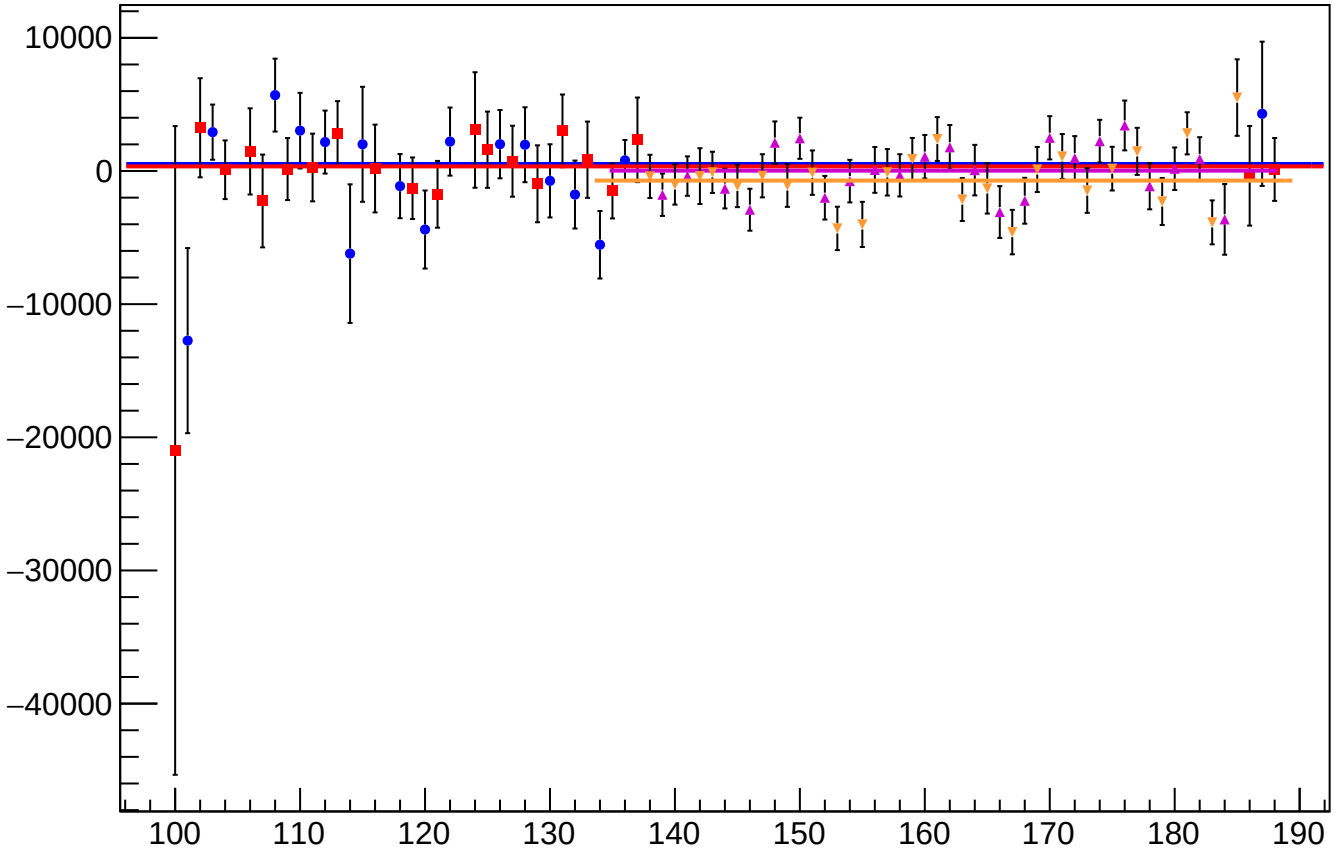
Right: 915.980+/-0.168 χ^2/NDF: 2738375.0/37

In: 689.693+/-0.099 χ^2/NDF:2794906.0/39

Out: 682.264+/-0.095 χ^2/NDF:4446391.4/45

All: 685.823+/-0.069 χ^2/NDF: 7244225.8/85

asym_usr_atr1_dd_mean vs Slug, Sign Corrected



Right In: 527.661+/-644.628 χ^2/NDF: 23.2/16

Left Out: -718.291+/-337.578 χ^2/NDF:37.7/24

Right Out: 346.855+/-611.149 χ^2/NDF: 7.3/20

Left In: 27.514+/-347.415 χ^2/NDF:28.0/22

Left: -356.097+/-242.106 χ^2/NDF: 68.1/47

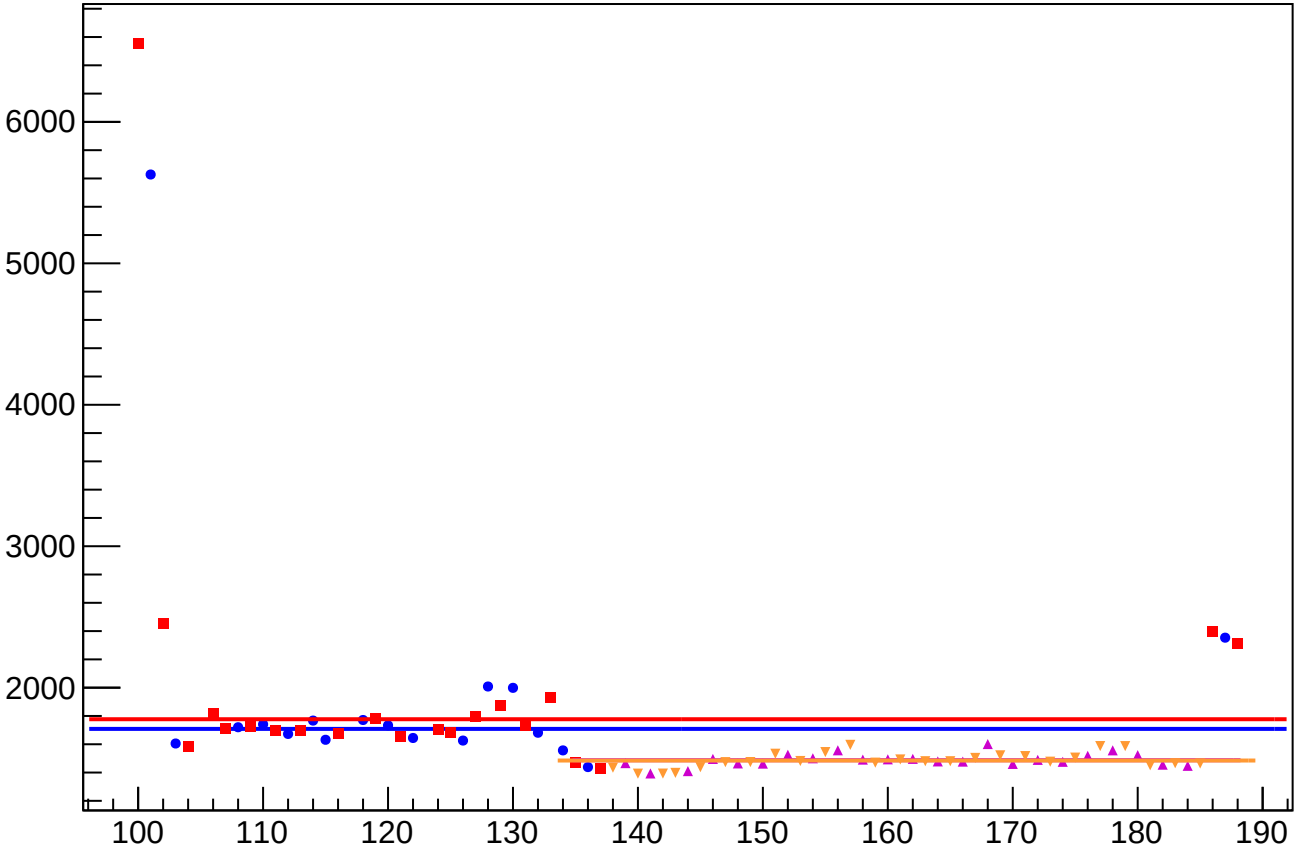
Right: 432.441+/-443.511 χ^2/NDF: 30.5/37

In: 140.087+/-305.828 χ^2/NDF:51.6/39

Out: -469.282+/-295.495 χ^2/NDF:47.4/45

All: -175.065+/-212.506 χ^2/NDF: 101.1/85

asym_usr_atr1_dd_rms vs Slug, Sign Corrected



Right In: 1708.595+/-0.456 χ^2/NDF: 790856.7/16

Left Out: 1484.960+/-0.239 χ^2/NDF:50905.1/24

Right Out: 1776.976+/-0.432 χ^2/NDF: 407865.4/20

Left In: 1487.112+/-0.246 χ^2/NDF:34817.2/22

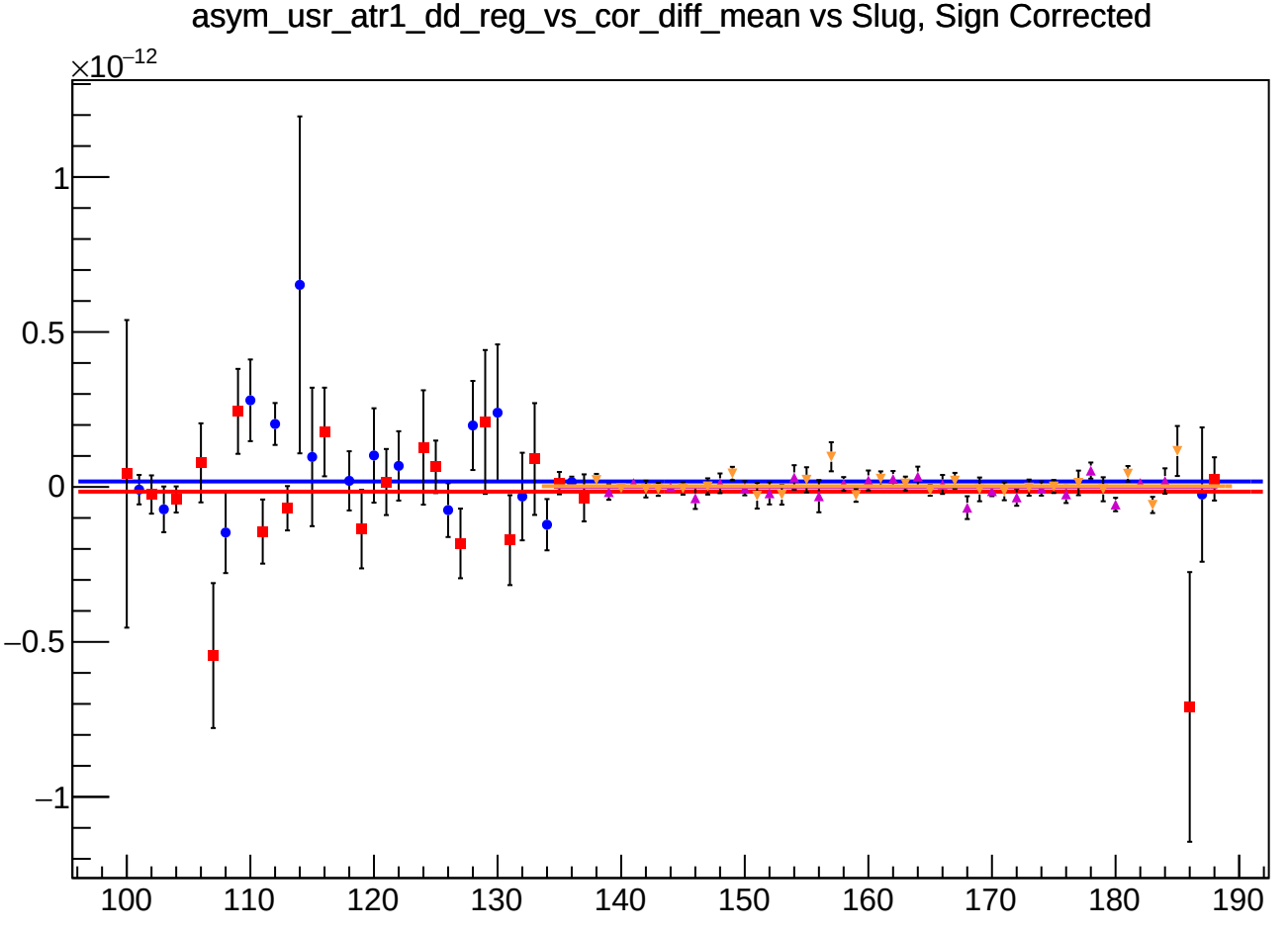
Left: 1486.005+/-0.171 χ^2/NDF: 85761.8/47

Right: 1744.608+/-0.314 χ^2/NDF: 1210574.2/37

In: 1536.964+/-0.216 χ^2/NDF:1008631.3/39

Out: 1553.228+/-0.209 χ^2/NDF:808638.3/45

All: 1545.375+/-0.150 χ^2/NDF: 1820195.0/85



Right In: 0.000+/-0.000 χ^2/NDF: 23.6/16

Left Out: 0.000+/-0.000 χ^2/NDF:25.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 24.2/20

Left In: -0.000+/-0.000 χ^2/NDF:24.9/22

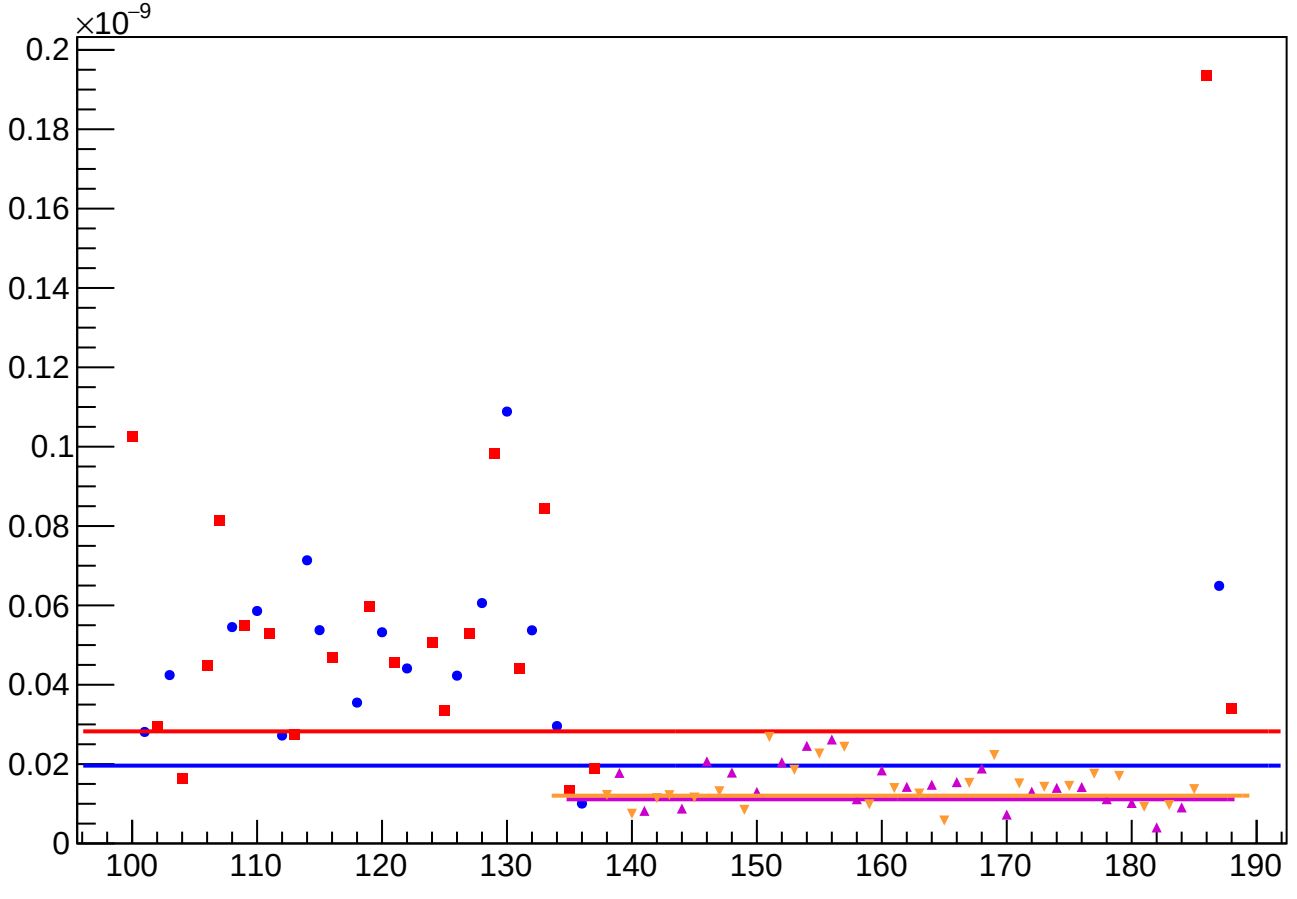
Left: 0.000+/-0.000 χ^2/NDF: 50.5/47

Right: 0.000+/-0.000 χ^2/NDF: 49.8/37

In: 0.000+/-0.000 χ^2/NDF:49.9/39

Out: 0.000+/-0.000 χ^2/NDF:50.5/45

All: 0.000+/-0.000 χ^2/NDF: 100.4/85



Right In: 0.000+/-0.000 χ^2/NDF: 2362157.3/16

Left Out: 0.000+/-0.000 χ^2/NDF:1520224.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 1954946.3/20

Left In: 0.000+/-0.000 χ^2/NDF:2209676.2/22

Left: 0.000+/-0.000 χ^2/NDF: 3765014.8/47

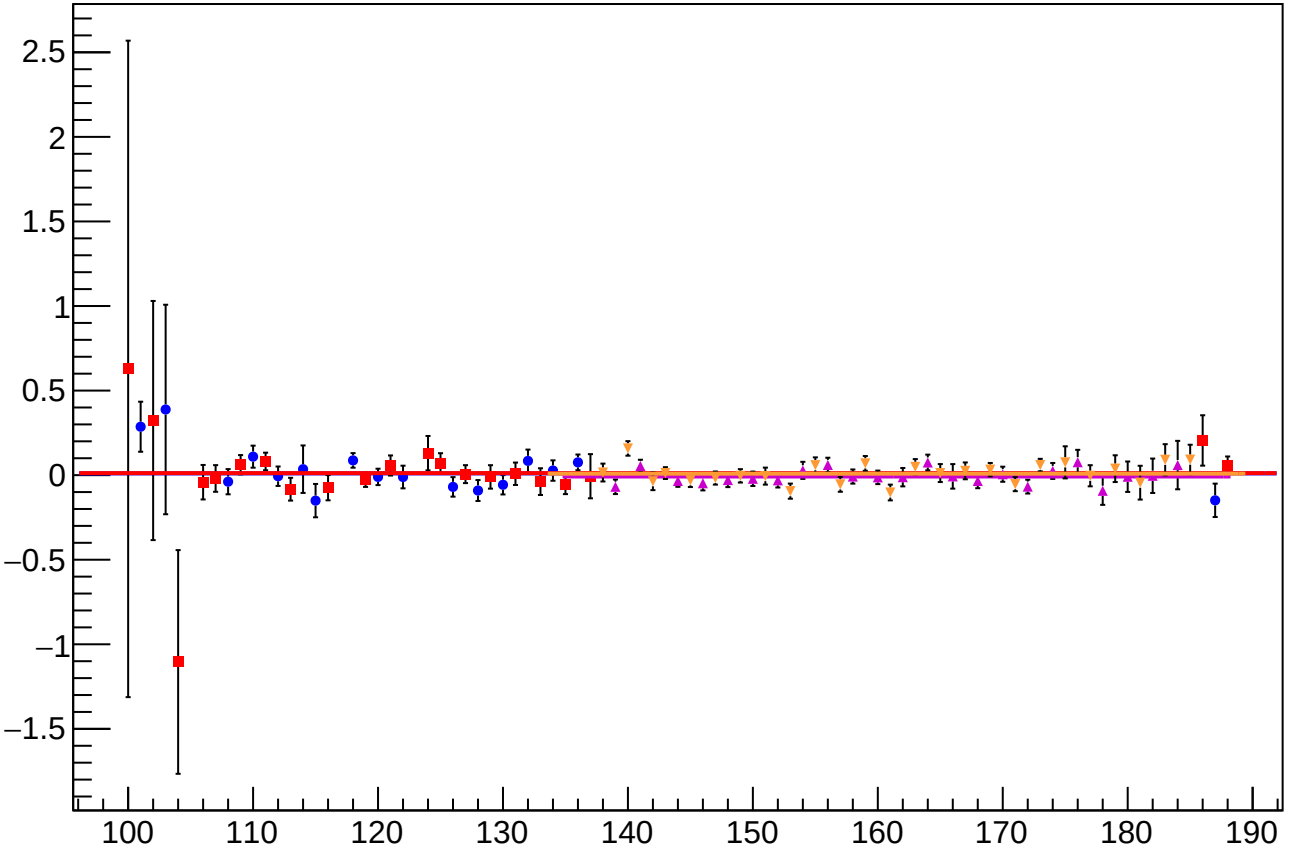
Right: 0.000+/-0.000 χ^2/NDF: 4590984.9/37

In: 0.000+/-0.000 χ^2/NDF:5200529.3/39

Out: 0.000+/-0.000 χ^2/NDF:4918919.8/45

All: 0.000+/-0.000 χ^2/NDF: 10179179.6/85

asym_usr_atr1_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.010+/-0.016 χ^2/NDF: 24.7/16

Left Out: 0.009+/-0.010 χ^2/NDF:38.6/24

Right Out: 0.012+/-0.015 χ^2/NDF: 17.6/20

Left In: -0.008+/-0.010 χ^2/NDF:18.9/22

Left: 0.001+/-0.007 χ^2/NDF: 59.0/47

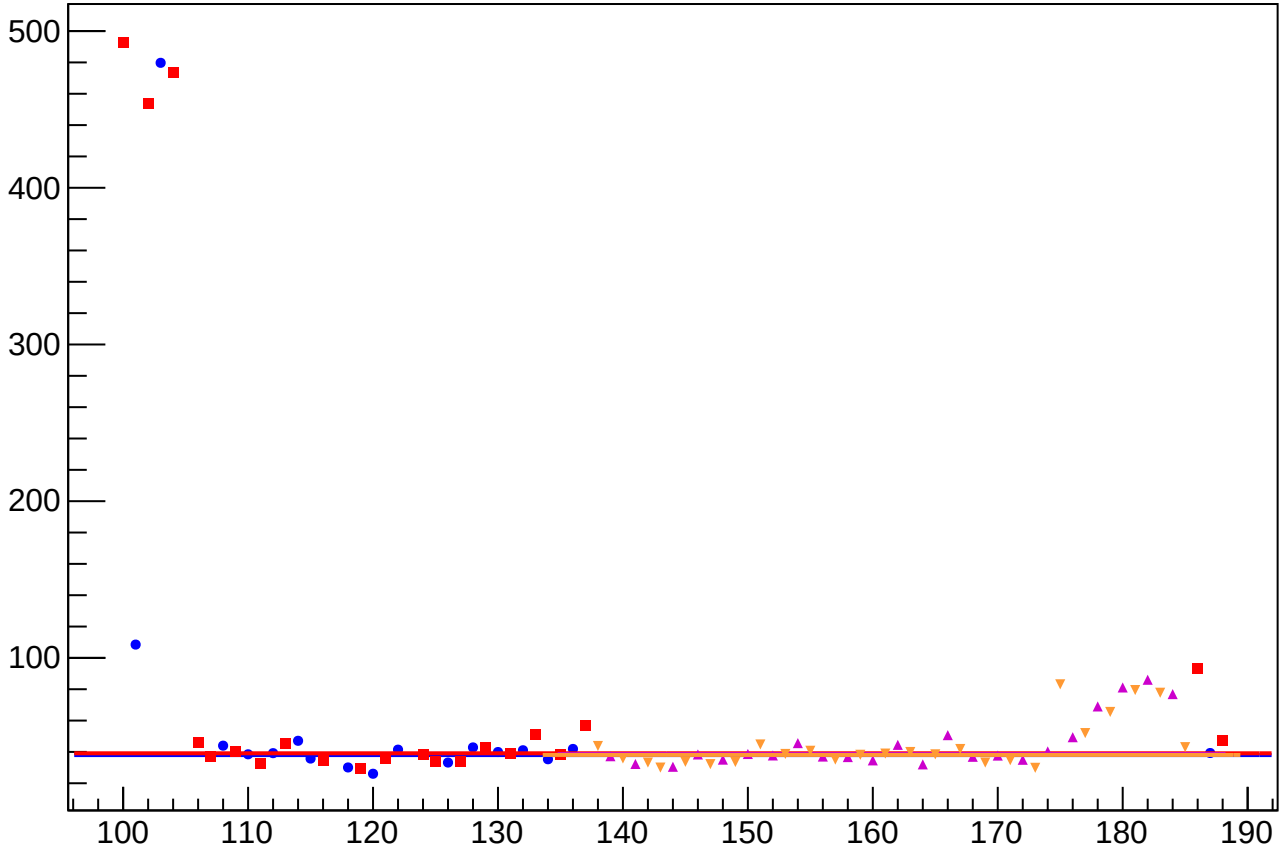
Right: 0.011+/-0.011 χ^2/NDF: 42.3/37

In: -0.003+/-0.008 χ^2/NDF:44.5/39

Out: 0.010+/-0.008 χ^2/NDF:56.2/45

All: 0.004+/-0.006 χ^2/NDF: 101.9/85

asym_usr_atr1_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.977+/-0.011 χ^2/NDF: 1740039.9/16

Left Out: 38.067+/-0.007 χ^2/NDF:1967115.3/24

Right Out: 39.124+/-0.011 χ^2/NDF: 2276858.8/20

Left In: 38.630+/-0.007 χ^2/NDF:1727664.7/22

Left: 38.339+/-0.005 χ^2/NDF: 3698113.4/47

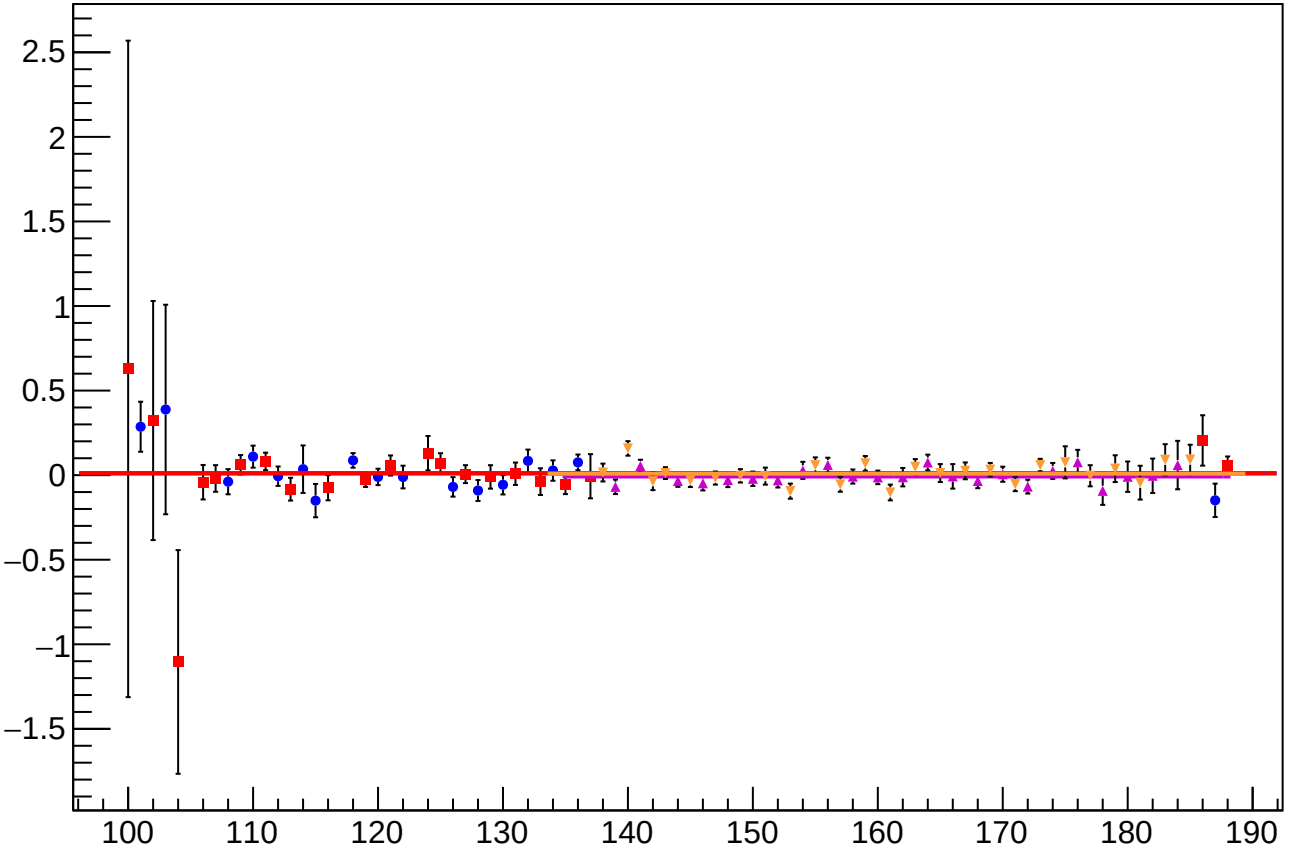
Right: 38.569+/-0.008 χ^2/NDF: 4022387.6/37

In: 38.444+/-0.006 χ^2/NDF:3470172.3/39

Out: 38.366+/-0.006 χ^2/NDF:4250873.5/45

All: 38.404+/-0.004 χ^2/NDF: 7721134.8/85

asym_usr_atr1_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.010+/-0.016 χ^2/NDF: 24.7/16

Left Out: 0.009+/-0.010 χ^2/NDF:38.6/24

Right Out: 0.012+/-0.015 χ^2/NDF: 17.6/20

Left In: -0.008+/-0.010 χ^2/NDF:18.9/22

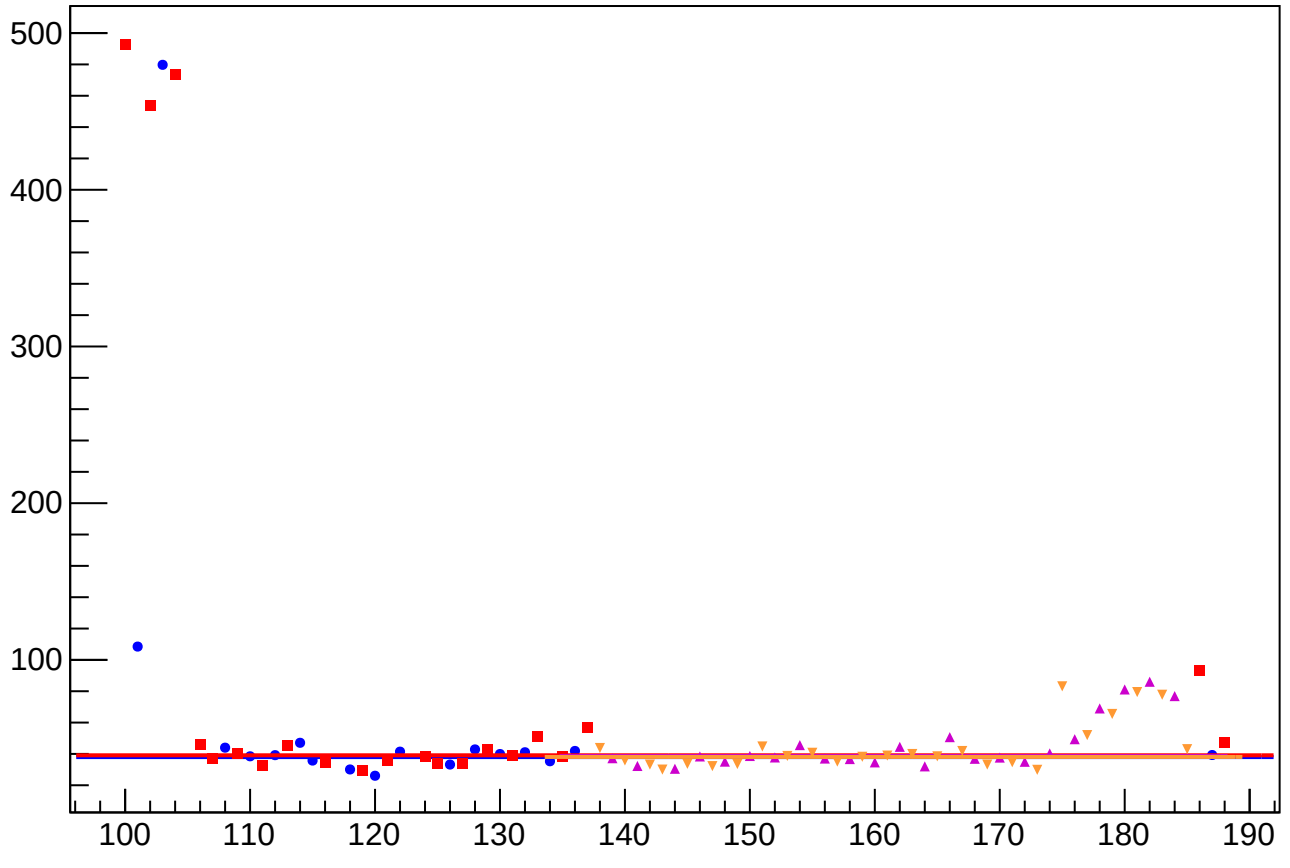
Left: 0.001+/-0.007 χ^2/NDF: 59.0/47

Right: 0.011+/-0.011 χ^2/NDF: 42.3/37

In: -0.003+/-0.008 χ^2/NDF:44.5/39

Out: 0.010+/-0.008 χ^2/NDF:56.2/45

All: 0.004+/-0.006 χ^2/NDF: 101.9/85



Right In: 37.977+/-0.011 χ^2/NDF: 1740039.9/16

Left Out: 38.067+/-0.007 χ^2/NDF:1967115.3/24

Right Out: 39.124+/-0.011 χ^2/NDF: 2276858.8/20

Left In: 38.630+/-0.007 χ^2/NDF:1727664.7/22

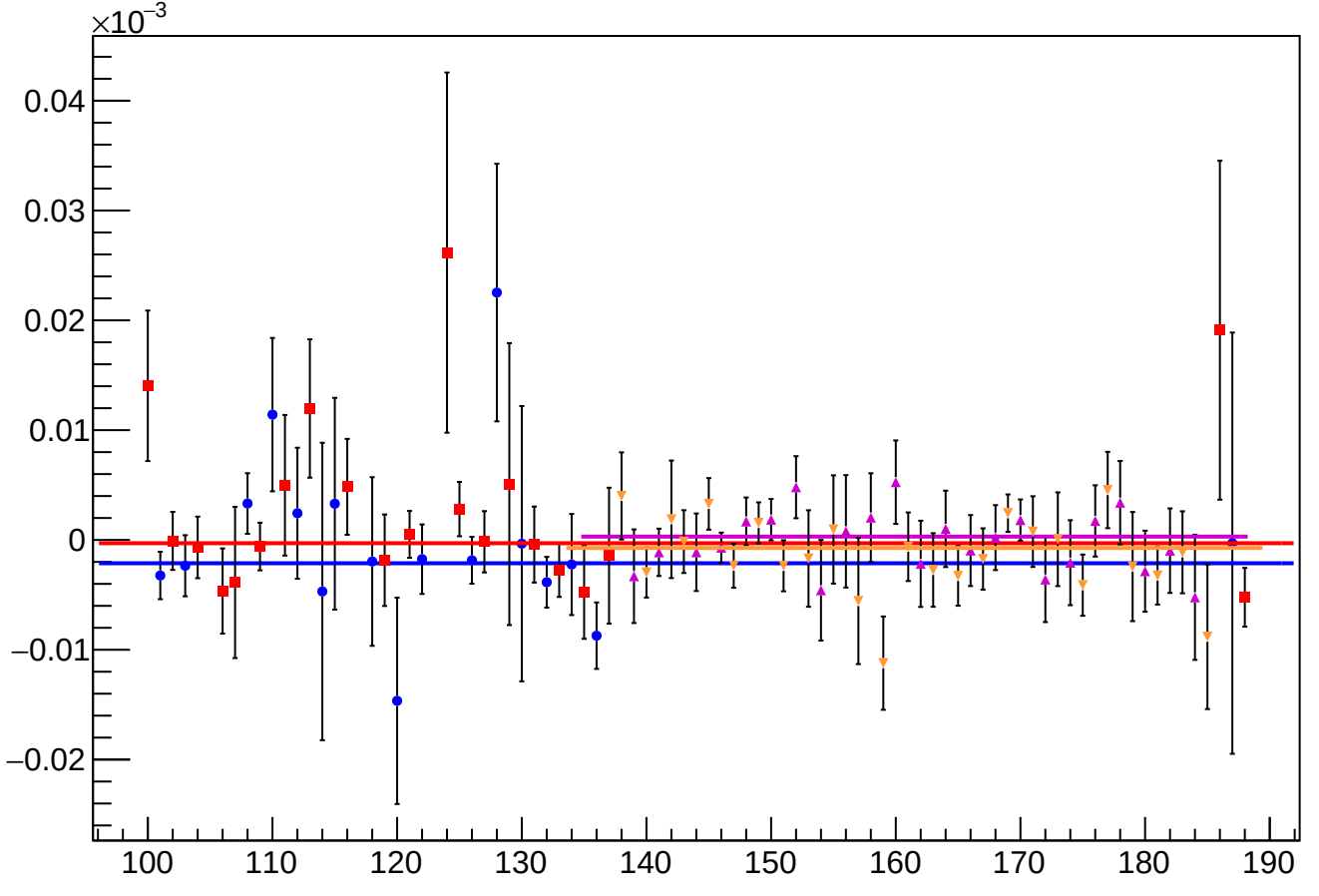
Left: 38.339+/-0.005 χ^2/NDF: 3698113.4/47

Right: 38.569+/-0.008 χ^2/NDF: 4022387.6/37

In: 38.444+/-0.006 χ^2/NDF:3470172.3/39

Out: 38.366+/-0.006 χ^2/NDF:4250873.5/45

All: 38.404+/-0.004 χ^2/NDF: 7721134.8/85



Right In: -0.000+/-0.000 χ^2/NDF: 20.4/16

Left Out: -0.000+/-0.000 χ^2/NDF:26.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 23.6/20

Left In: 0.000+/-0.000 χ^2/NDF:13.8/22

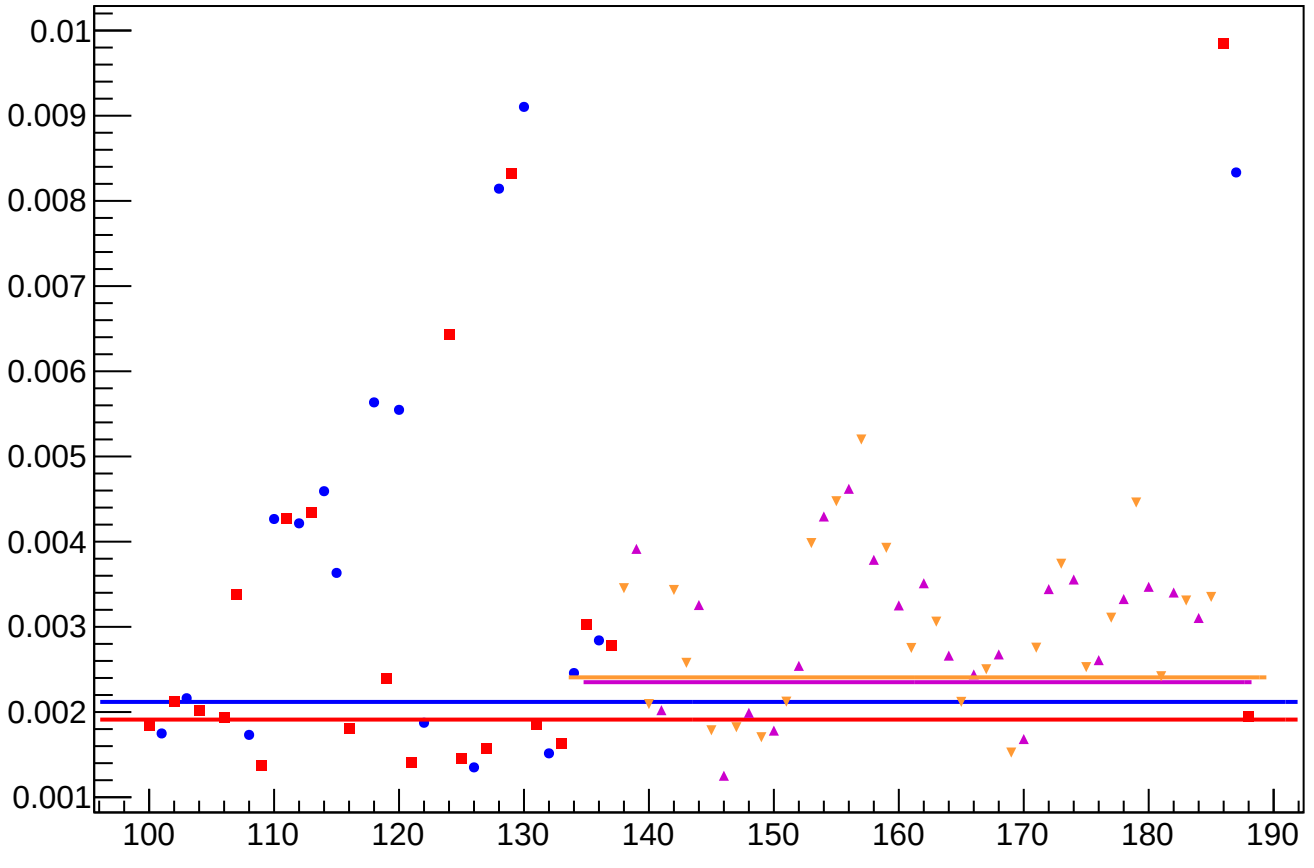
Left: -0.000+/-0.000 χ^2/NDF: 41.9/47

Right: -0.000+/-0.000 χ^2/NDF: 46.4/37

In: -0.000+/-0.000 χ^2/NDF:39.3/39

Out: -0.000+/-0.000 χ^2/NDF:50.3/45

All: -0.000+/-0.000 χ^2/NDF: 89.7/85



Right In: 0.002+/-0.000 χ^2/NDF: 3228009.8/16

Left Out: 0.002+/-0.000 χ^2/NDF:3682960.0/24

Right Out: 0.002+/-0.000 χ^2/NDF: 2423002.8/20

Left In: 0.002+/-0.000 χ^2/NDF:4438139.5/22

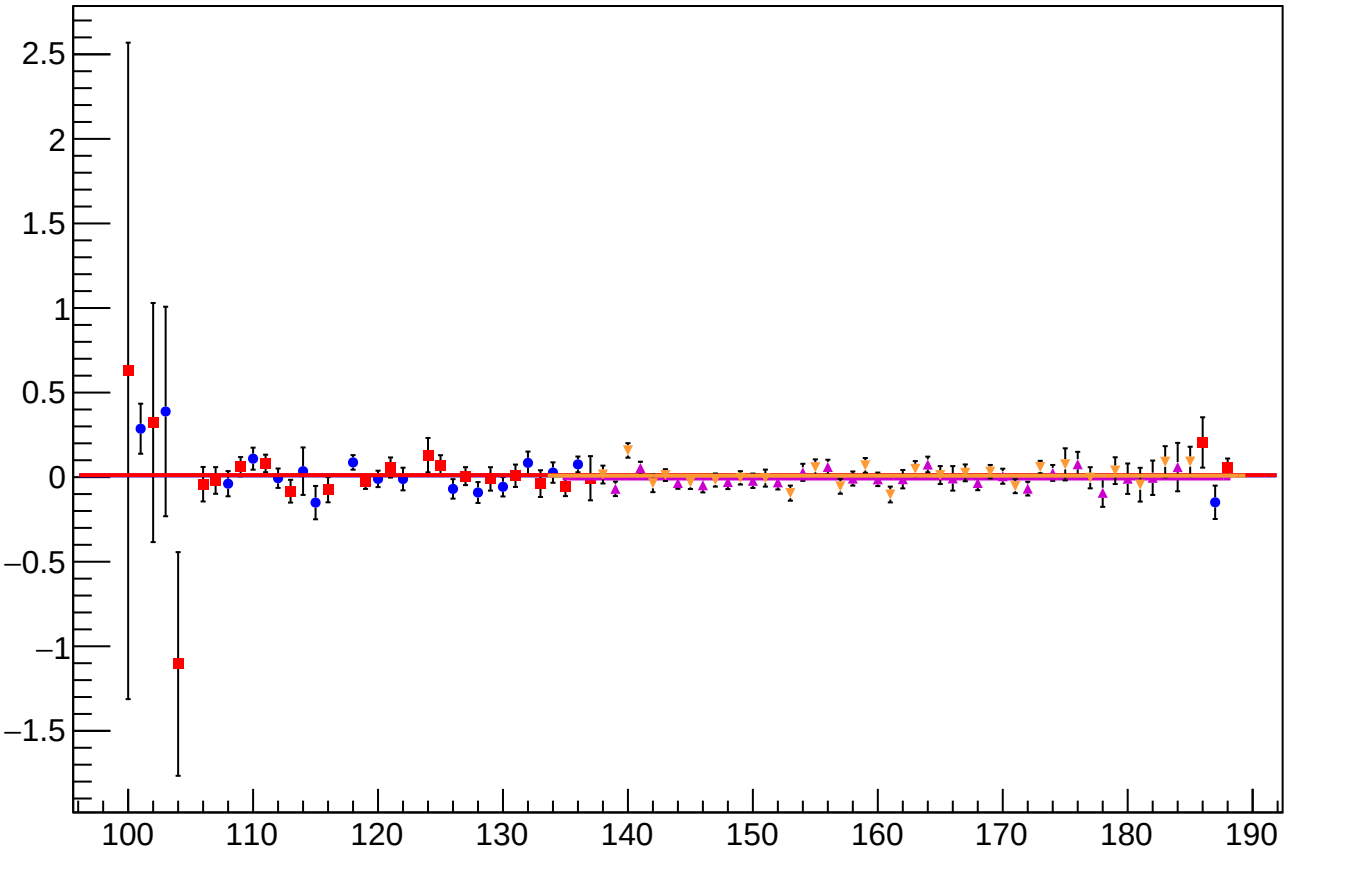
Left: 0.002+/-0.000 χ^2/NDF: 8130379.7/47

Right: 0.002+/-0.000 χ^2/NDF: 5713689.9/37

In: 0.002+/-0.000 χ^2/NDF:7759100.9/39

Out: 0.002+/-0.000 χ^2/NDF:6644894.6/45

All: 0.002+/-0.000 χ^2/NDF: 14418480.9/85



Right In: 0.010+/-0.016 χ^2/NDF: 24.7/16

Left Out: 0.009+/-0.010 χ^2/NDF:38.6/24

Right Out: 0.012+/-0.015 χ^2/NDF: 17.6/20

Left In: -0.008+/-0.010 χ^2/NDF:18.9/22

Left: 0.001+/-0.007 χ^2/NDF: 59.0/47

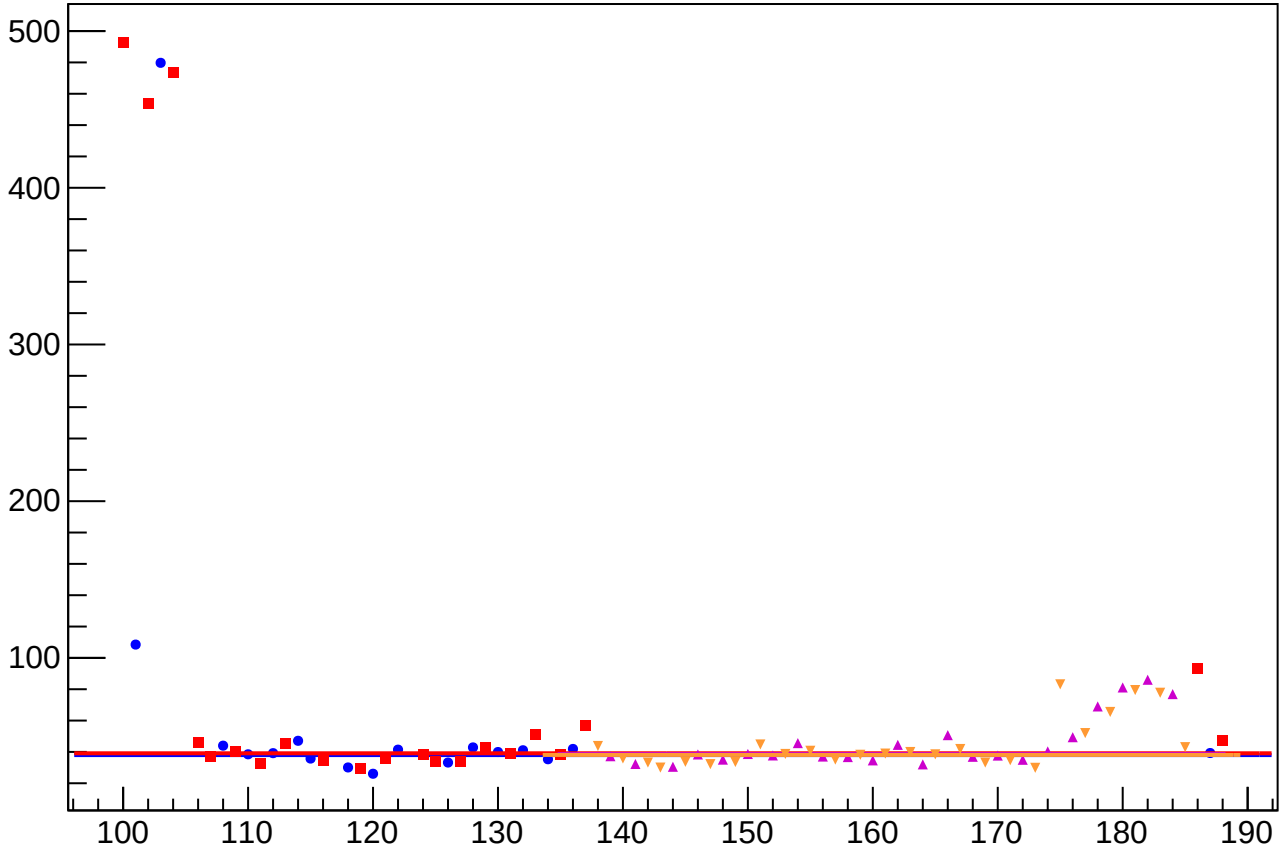
Right: 0.011+/-0.011 χ^2/NDF: 42.3/37

In: -0.003+/-0.008 χ^2/NDF:44.5/39

Out: 0.010+/-0.008 χ^2/NDF:56.2/45

All: 0.004+/-0.006 χ^2/NDF: 101.9/85

asym_usr_atr1_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.976+/-0.011 χ^2/NDF: 1740050.0/16

Left Out: 38.067+/-0.007 χ^2/NDF:1967110.9/24

Right Out: 39.122+/-0.011 χ^2/NDF: 2276944.1/20

Left In: 38.630+/-0.007 χ^2/NDF:1727699.0/22

Left: 38.338+/-0.005 χ^2/NDF: 3698141.3/47

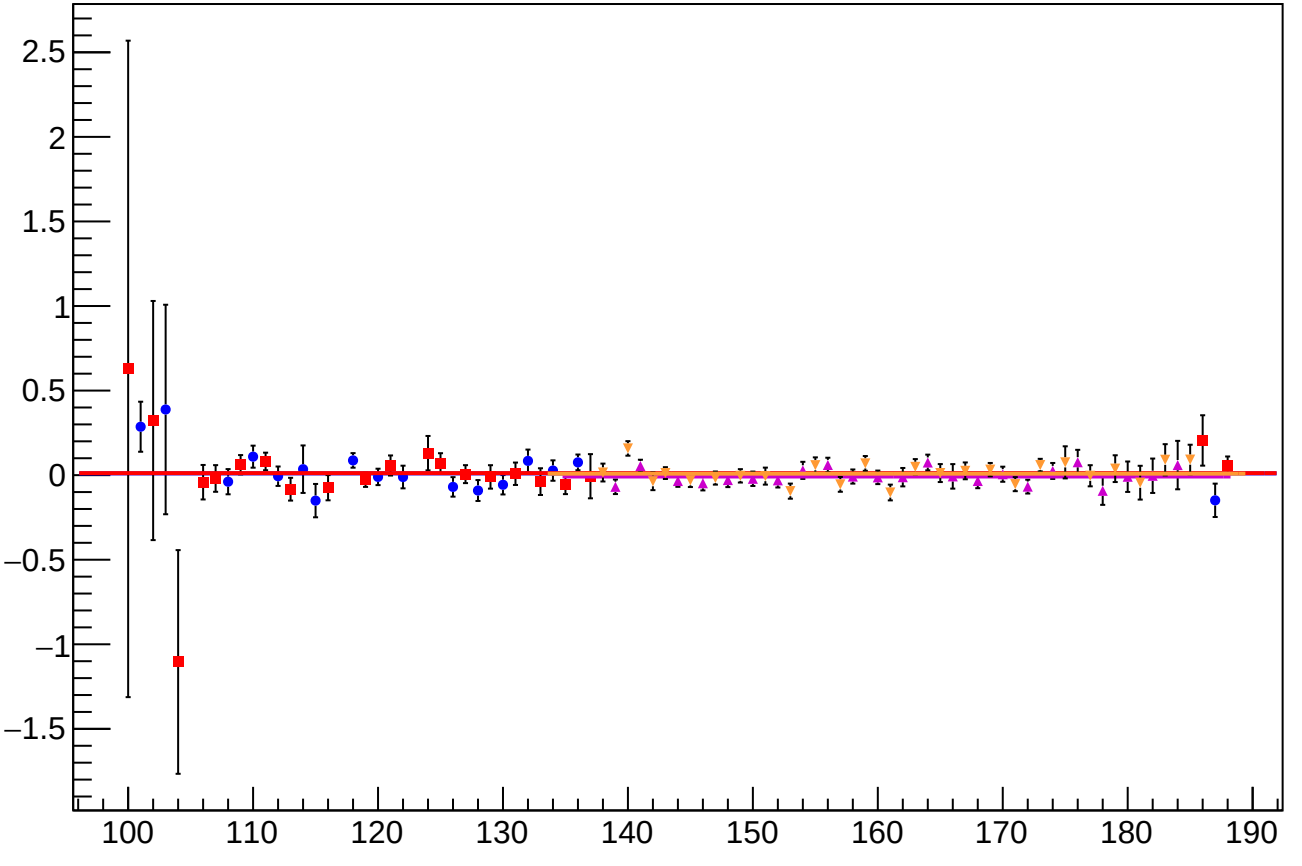
Right: 38.568+/-0.008 χ^2/NDF: 4022476.5/37

In: 38.444+/-0.006 χ^2/NDF:3470218.8/39

Out: 38.366+/-0.006 χ^2/NDF:4250939.7/45

All: 38.403+/-0.004 χ^2/NDF: 7721247.6/85

asym_usr_atr1_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.010+/-0.016 χ^2/NDF: 24.7/16

Left Out: 0.009+/-0.010 χ^2/NDF:38.6/24

Right Out: 0.012+/-0.015 χ^2/NDF: 17.6/20

Left In: -0.008+/-0.010 χ^2/NDF:18.9/22

Left: 0.001+/-0.007 χ^2/NDF: 59.0/47

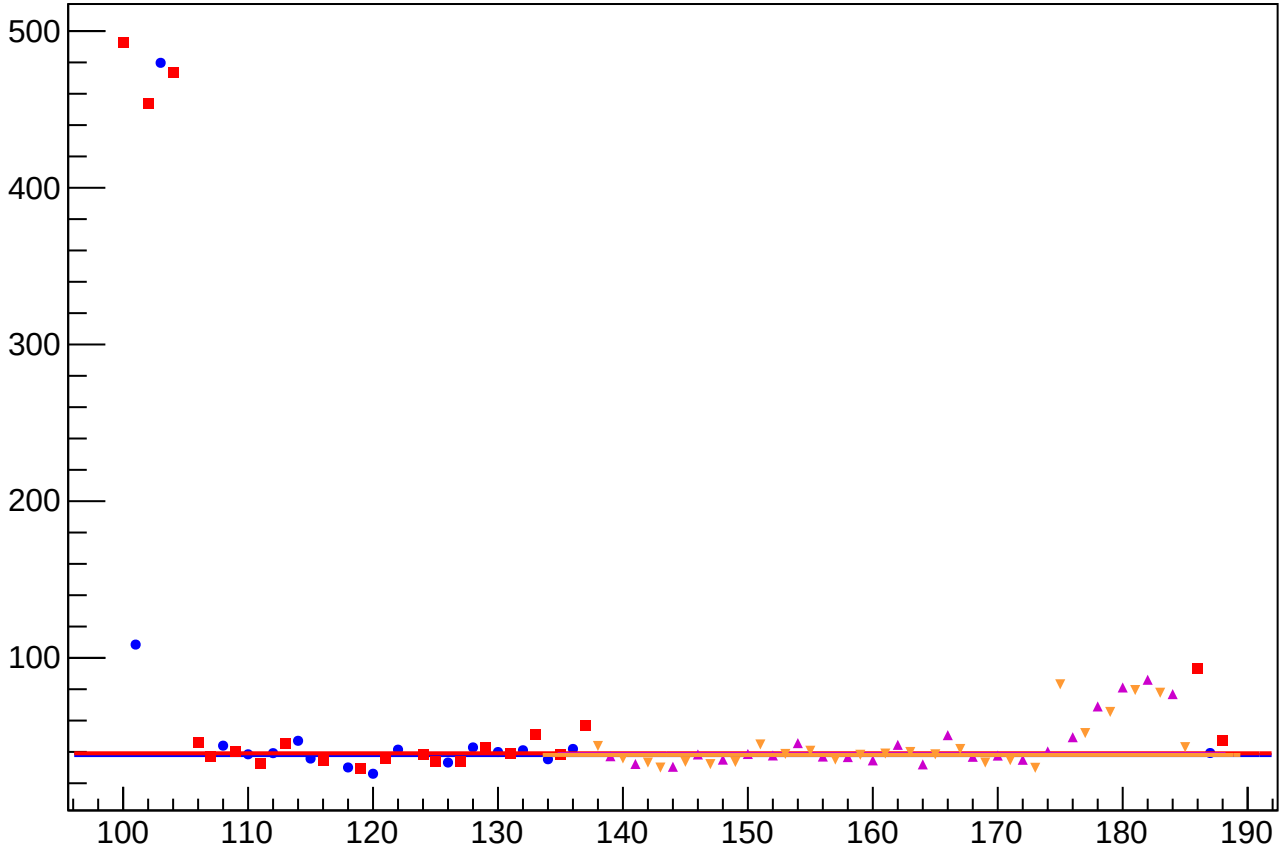
Right: 0.011+/-0.011 χ^2/NDF: 42.3/37

In: -0.003+/-0.008 χ^2/NDF:44.5/39

Out: 0.010+/-0.008 χ^2/NDF:56.2/45

All: 0.004+/-0.006 χ^2/NDF: 101.9/85

asym_usr_atr1_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.976+/-0.011 χ^2/NDF: 1740050.0/16

Left Out: 38.067+/-0.007 χ^2/NDF:1967110.9/24

Right Out: 39.122+/-0.011 χ^2/NDF: 2276944.1/20

Left In: 38.630+/-0.007 χ^2/NDF:1727699.0/22

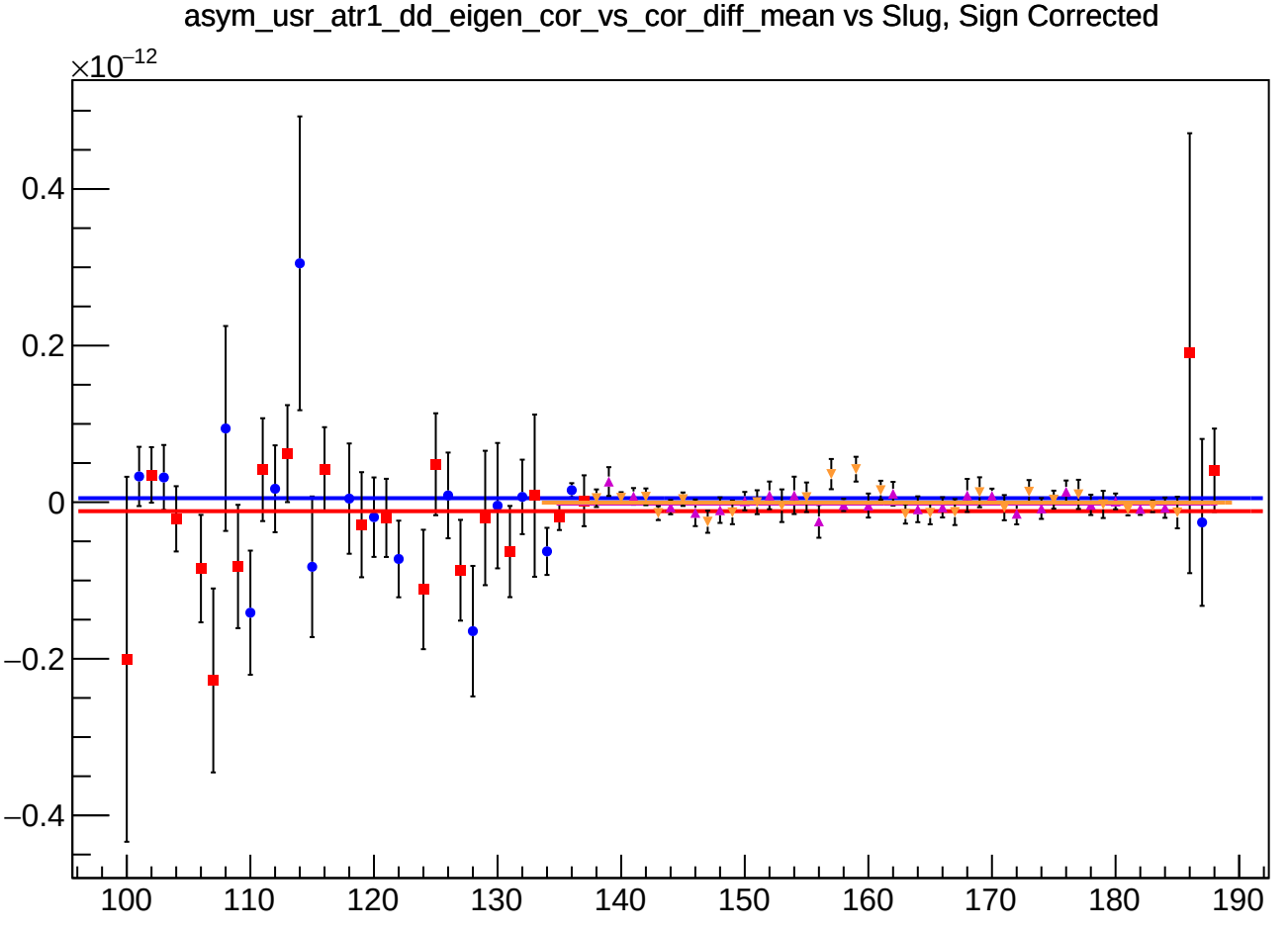
Left: 38.338+/-0.005 χ^2/NDF: 3698141.3/47

Right: 38.568+/-0.008 χ^2/NDF: 4022476.5/37

In: 38.444+/-0.006 χ^2/NDF:3470218.8/39

Out: 38.366+/-0.006 χ^2/NDF:4250939.7/45

All: 38.403+/-0.004 χ^2/NDF: 7721247.6/85



Right In: 0.000+/-0.000 χ^2/NDF: 21.7/16

Left Out: -0.000+/-0.000 χ^2/NDF:26.9/24

Right Out: -0.000+/-0.000 χ^2/NDF: 17.5/20

Left In: -0.000+/-0.000 χ^2/NDF:11.6/22

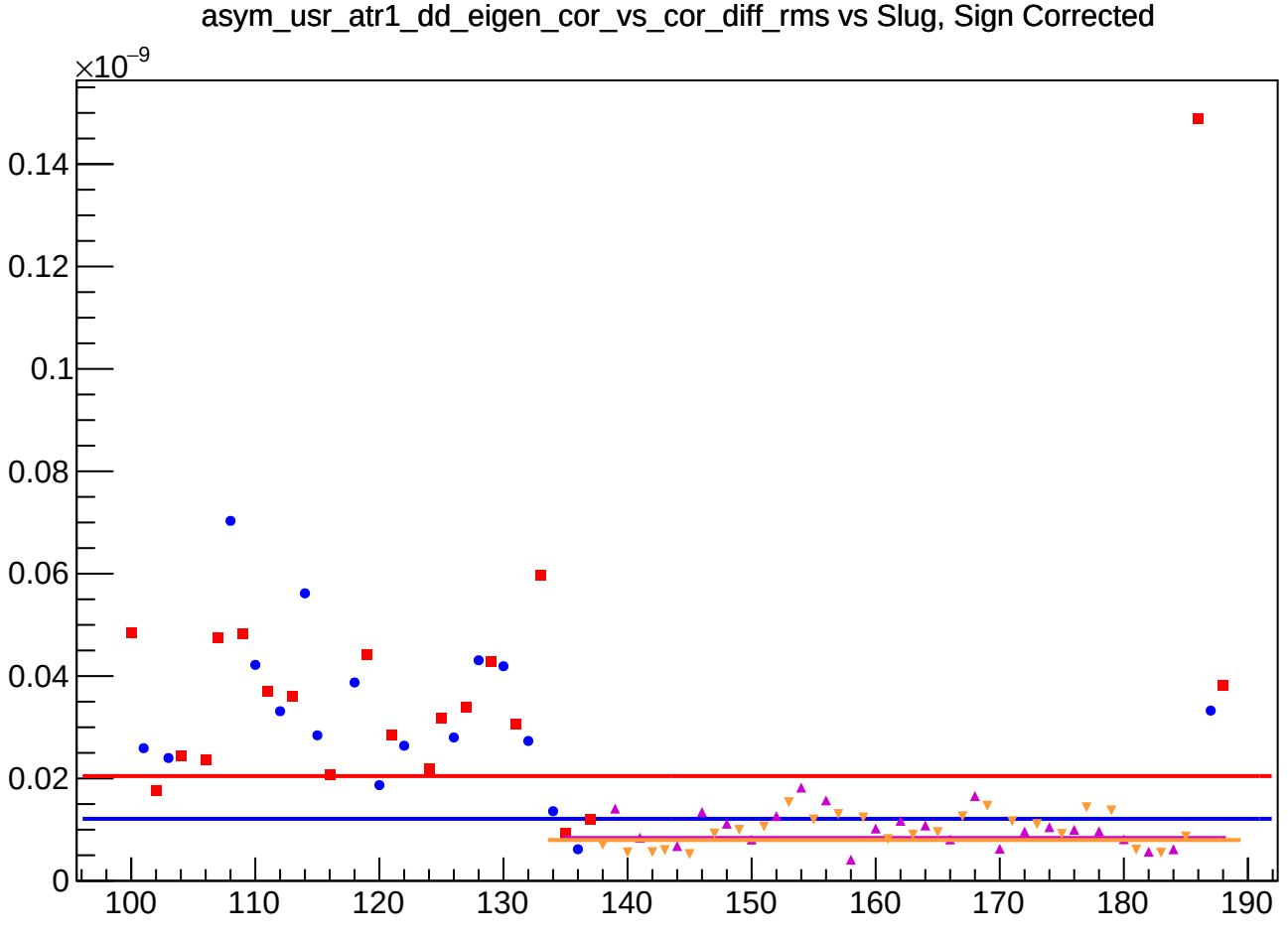
Left: -0.000+/-0.000 χ^2/NDF: 38.6/47

Right: -0.000+/-0.000 χ^2/NDF: 40.9/37

In: -0.000+/-0.000 χ^2/NDF:34.1/39

Out: -0.000+/-0.000 χ^2/NDF:45.5/45

All: -0.000+/-0.000 χ^2/NDF: 79.6/85



Right In: 0.000+/-0.000 χ^2/NDF: 3948252.4/16

Left Out: 0.000+/-0.000 χ^2/NDF:2831909.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3272448.6/20

Left In: 0.000+/-0.000 χ^2/NDF:2786396.2/22

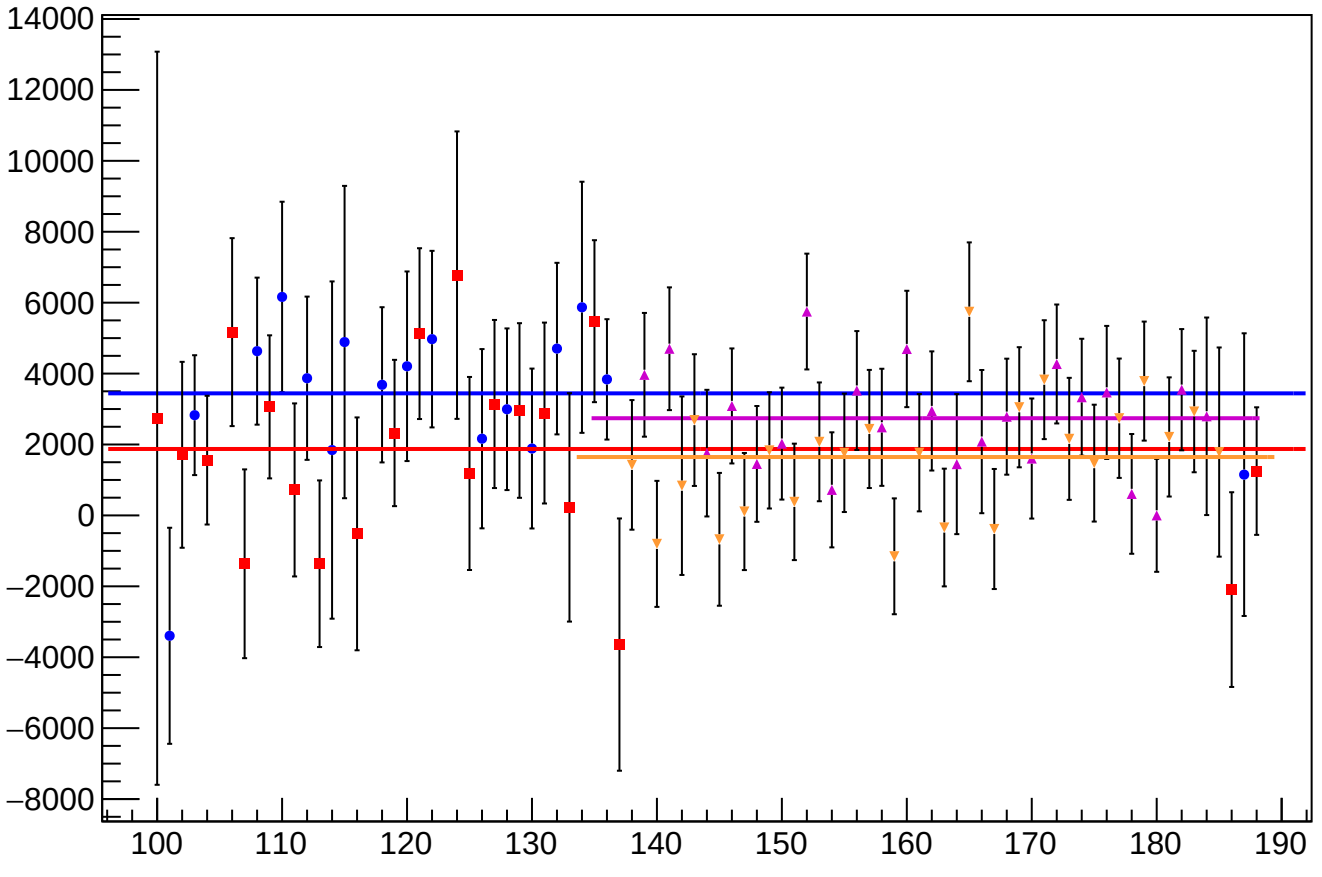
Left: 0.000+/-0.000 χ^2/NDF: 5643069.5/47

Right: 0.000+/-0.000 χ^2/NDF: 8071479.6/37

In: 0.000+/-0.000 χ^2/NDF:7176267.3/39

Out: 0.000+/-0.000 χ^2/NDF:8867136.2/45

All: 0.000+/-0.000 χ^2/NDF: 16046962.4/85



Right In: 3442.240+/-594.462 χ^2/NDF: 9.1/16

Left Out: 1646.402+/-349.758 χ^2/NDF:21.0/24

Right Out: 1873.553+/-547.358 χ^2/NDF: 17.5/20

Left In: 2740.924+/-358.458 χ^2/NDF:16.4/22

Left: 2180.220+/-250.336 χ^2/NDF: 42.3/47

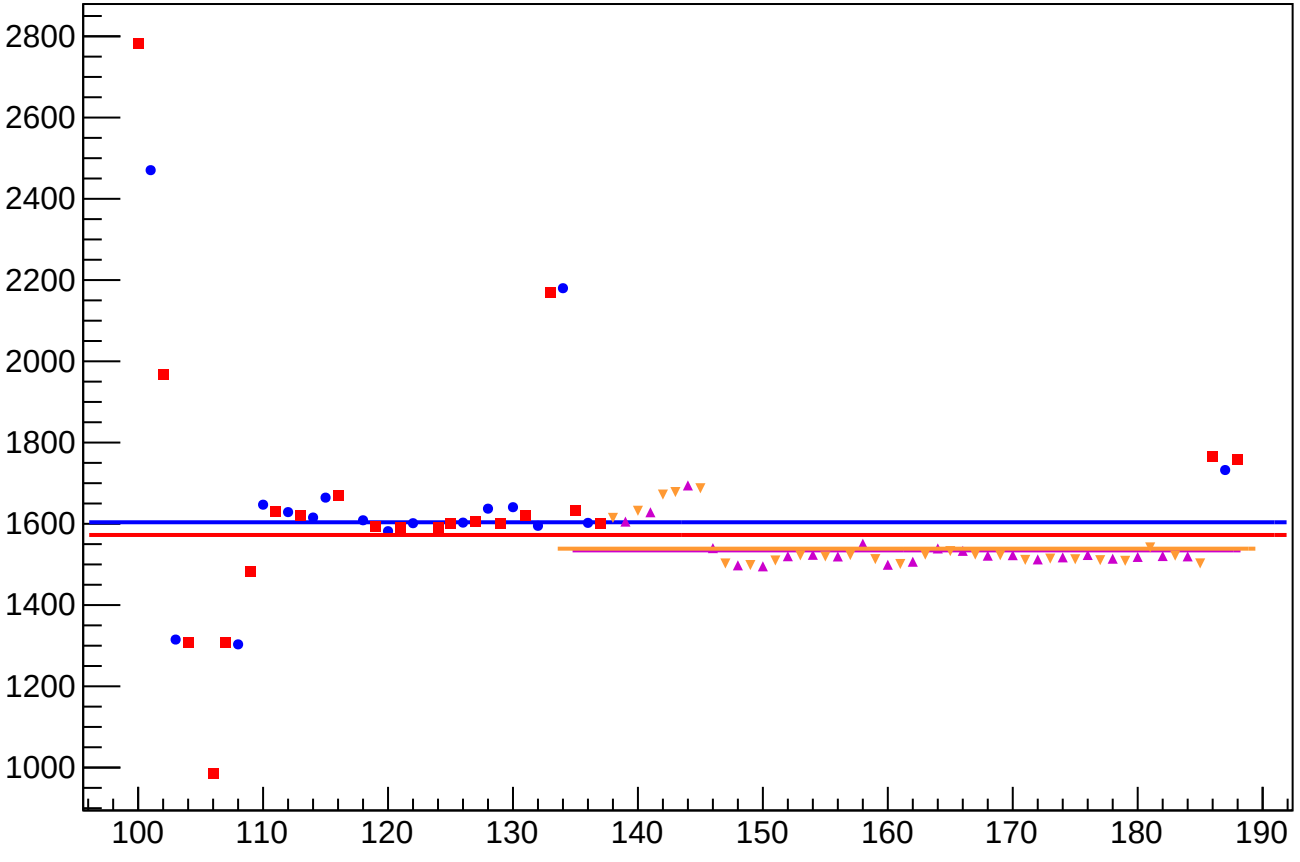
Right: 2593.293+/-402.665 χ^2/NDF: 30.4/37

In: 2927.930+/-306.969 χ^2/NDF:26.6/39

Out: 1712.260+/-294.726 χ^2/NDF:38.6/45

All: 2295.370+/-212.599 χ^2/NDF: 73.4/85

reg_asym_usr_atr2_avg_rms vs Slug, Sign Corrected



Right In: 1603.805+/-0.420 χ^2/NDF: 319543.0/16

Left Out: 1538.810+/-0.247 χ^2/NDF:47056.2/24

Right Out: 1572.535+/-0.381 χ^2/NDF: 411970.7/20

Left In: 1534.615+/-0.253 χ^2/NDF:31120.6/22

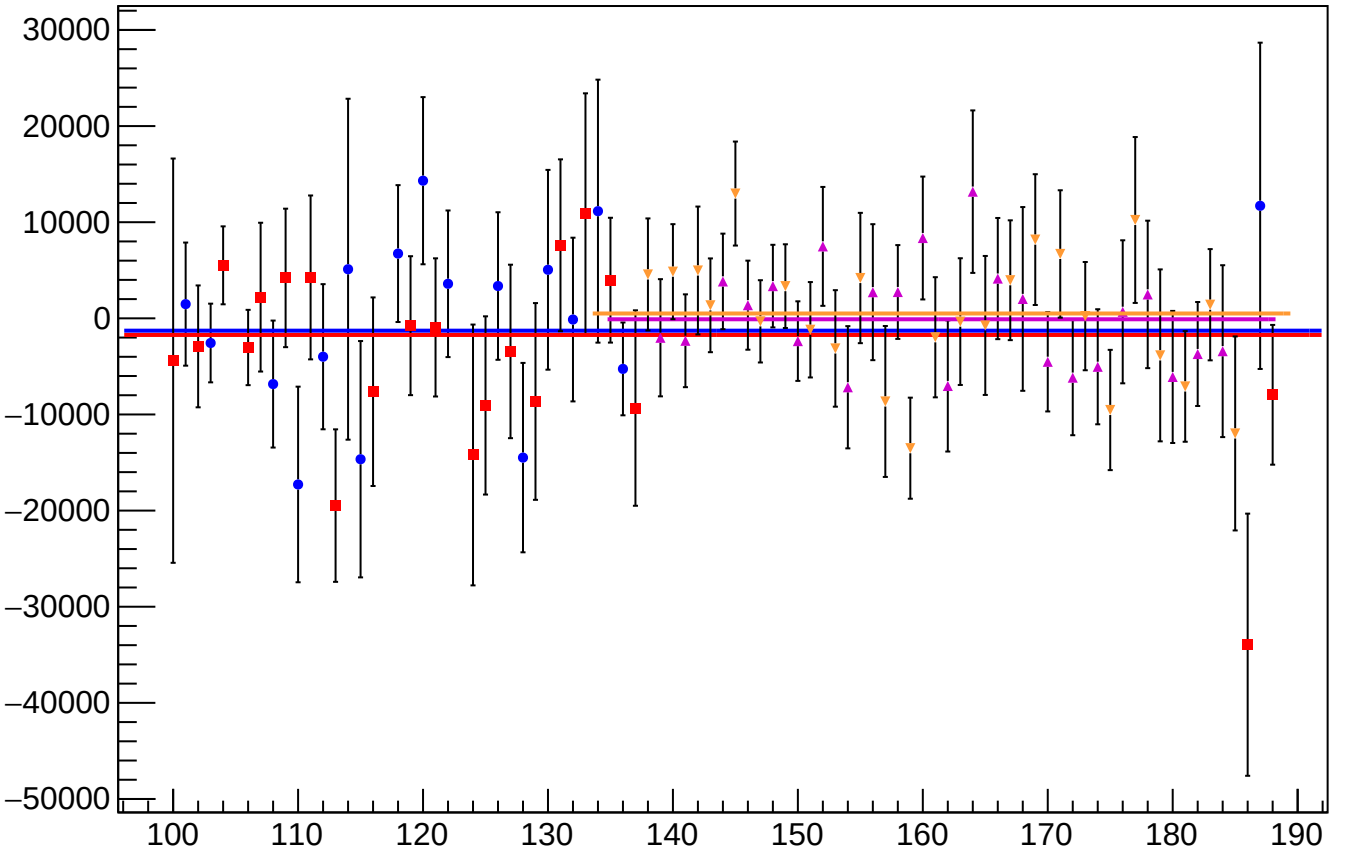
Left: 1536.764+/-0.177 χ^2/NDF: 78317.2/47

Right: 1586.655+/-0.282 χ^2/NDF: 734548.7/37

In: 1553.064+/-0.217 χ^2/NDF:370532.8/39

Out: 1548.792+/-0.208 χ^2/NDF:464530.8/45

All: 1550.832+/-0.150 χ^2/NDF: 835266.0/85



Right In: -1283.071+/-1837.423 χ^2/NDF: 14.4/16

Left Out: 503.846+/-1187.304 χ^2/NDF:26.8/24

Right Out: -1729.546+/-1615.483 χ^2/NDF: 21.9/20

Left In: -97.910+/-1217.585 χ^2/NDF:14.9/22

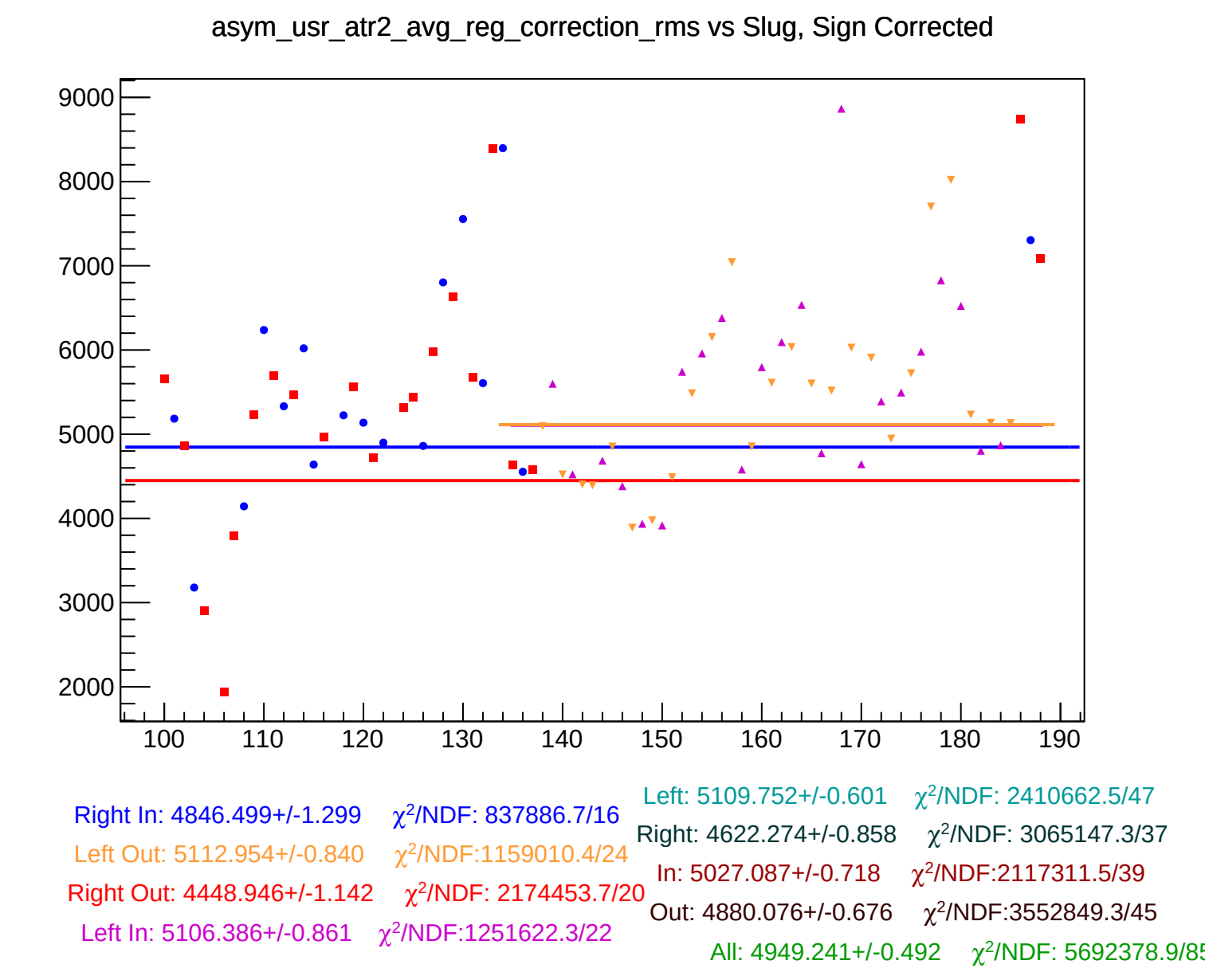
Left: 210.544+/-850.054 χ^2/NDF: 41.8/47

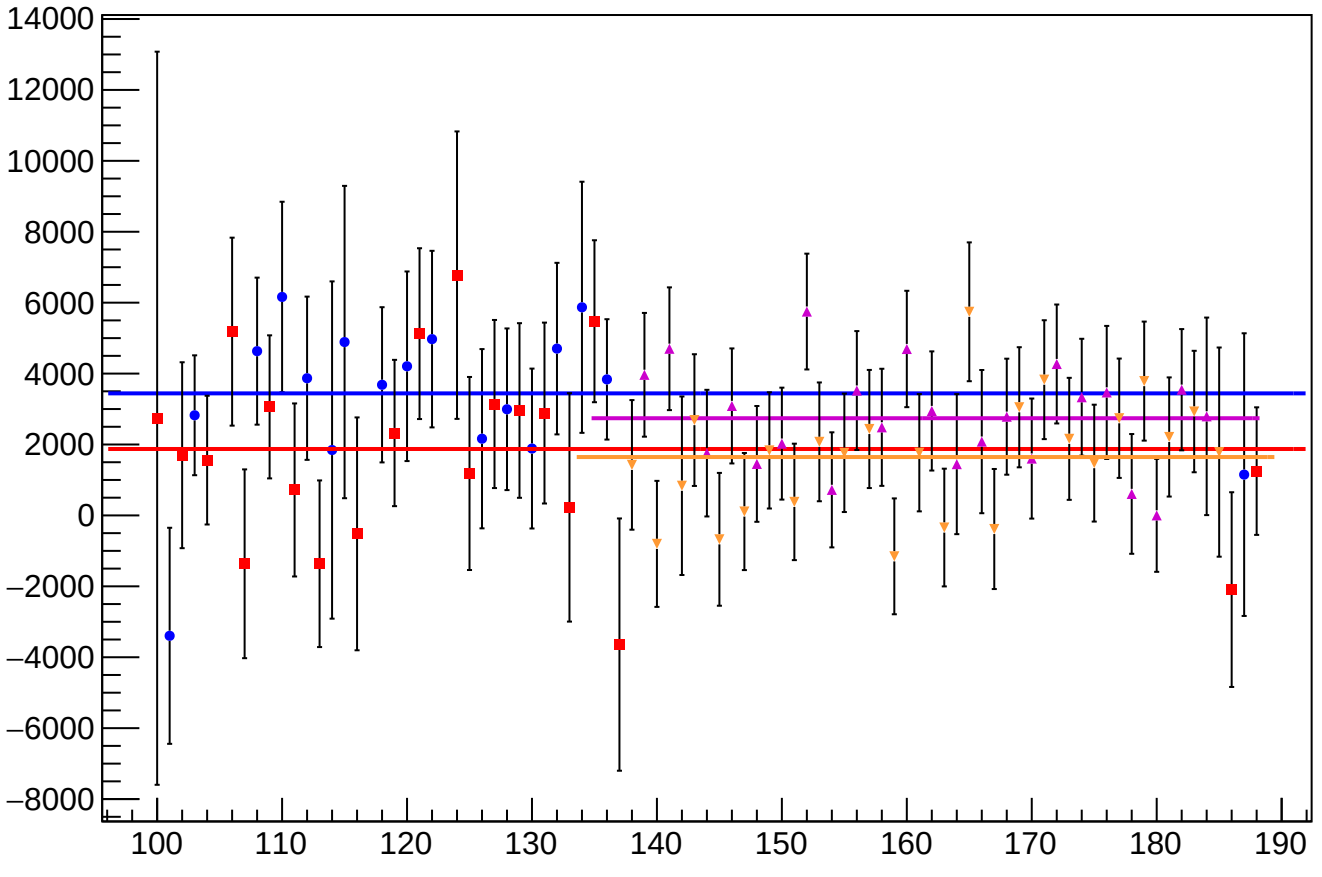
Right: -1534.888+/-1213.239 χ^2/NDF: 36.4/37

In: -459.538+/-1014.965 χ^2/NDF:29.6/39

Out: -279.438+/-956.708 χ^2/NDF:49.9/45

All: -364.171+/-696.180 χ^2/NDF: 79.6/85


asym_usr_atr2_avg_reg_correction_rms vs Slug, Sign Corrected
9000
8000
7000
6000
5000
4000
3000
2000
100
110
120
130
140
150
160
170
180
190
Right In: 4846.499+/-1.299 χ²/NDF: 837886.7/16
Left Out: 5112.954+/-0.840 χ²/NDF:1159010.4/24
Right Out: 4448.946+/-1.142 χ²/NDF: 2174453.7/20
Left In: 5106.386+/-0.861 χ²/NDF:1251622.3/22
Left: 5109.752+/-0.601 χ²/NDF: 2410662.5/47
Right: 4622.274+/-0.858 χ²/NDF: 3065147.3/37
In: 5027.087+/-0.718 χ²/NDF:2117311.5/39
Out: 4880.076+/-0.676 χ²/NDF:3552849.3/45
All: 4949.241+/-0.492 χ²/NDF: 5692378.9/85



Right In: 3441.930+/-594.462 χ^2/NDF: 9.2/16

Left Out: 1646.294+/-349.758 χ^2/NDF:21.0/24

Right Out: 1873.506+/-547.361 χ^2/NDF: 17.5/20

Left In: 2740.826+/-358.458 χ^2/NDF:16.4/22

Left: 2180.117+/-250.336 χ^2/NDF: 42.3/47

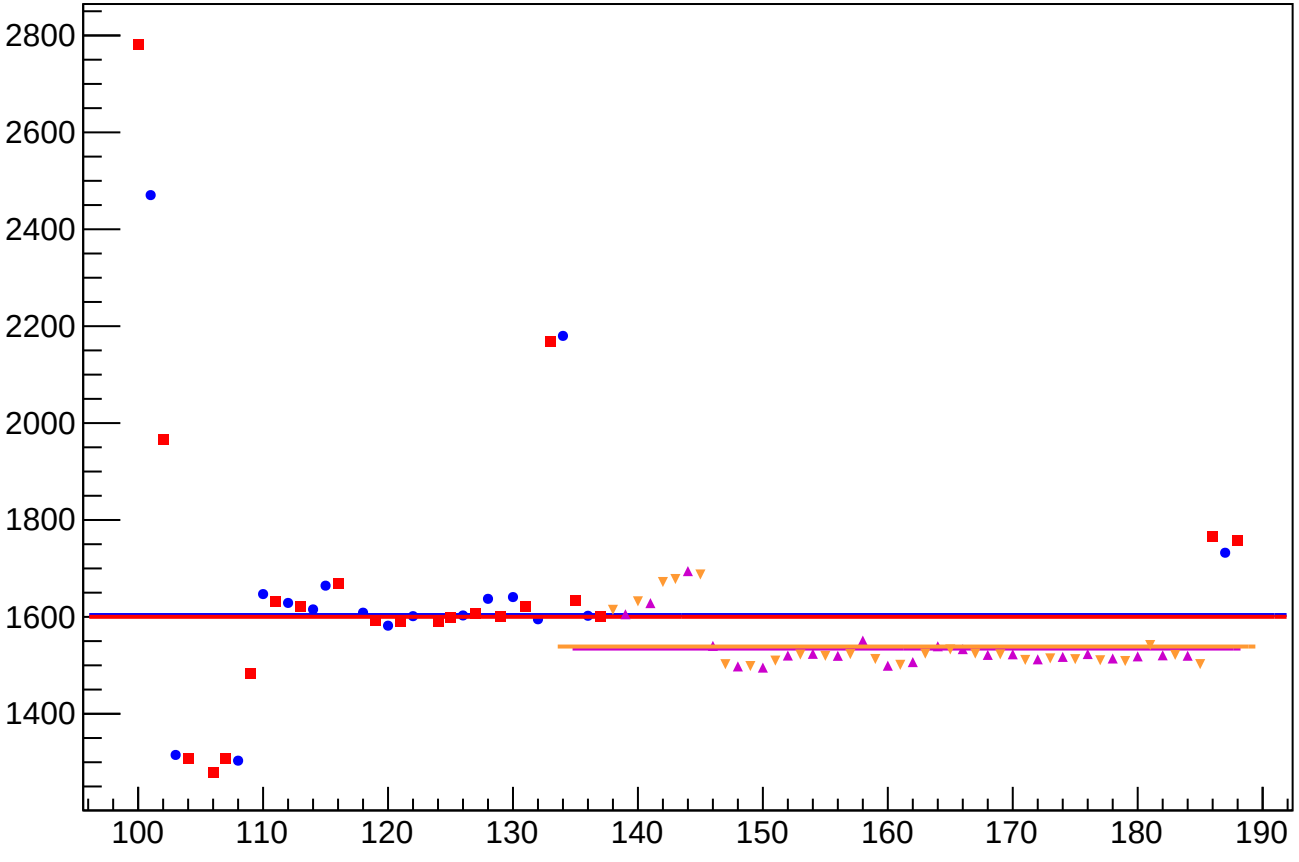
Right: 2593.128+/-402.666 χ^2/NDF: 30.4/37

In: 2927.775+/-306.969 χ^2/NDF:26.6/39

Out: 1712.169+/-294.727 χ^2/NDF:38.6/45

All: 2295.249+/-212.599 χ^2/NDF: 73.4/85

cor_asym_usr_atr2_avg_rms vs Slug, Sign Corrected



Right In: 1603.805+/-0.420 χ^2/NDF: 319542.1/16

Left Out: 1538.810+/-0.247 χ^2/NDF:47056.2/24

Right Out: 1600.168+/-0.386 χ^2/NDF: 269504.2/20

Left In: 1534.615+/-0.253 χ^2/NDF:31120.6/22

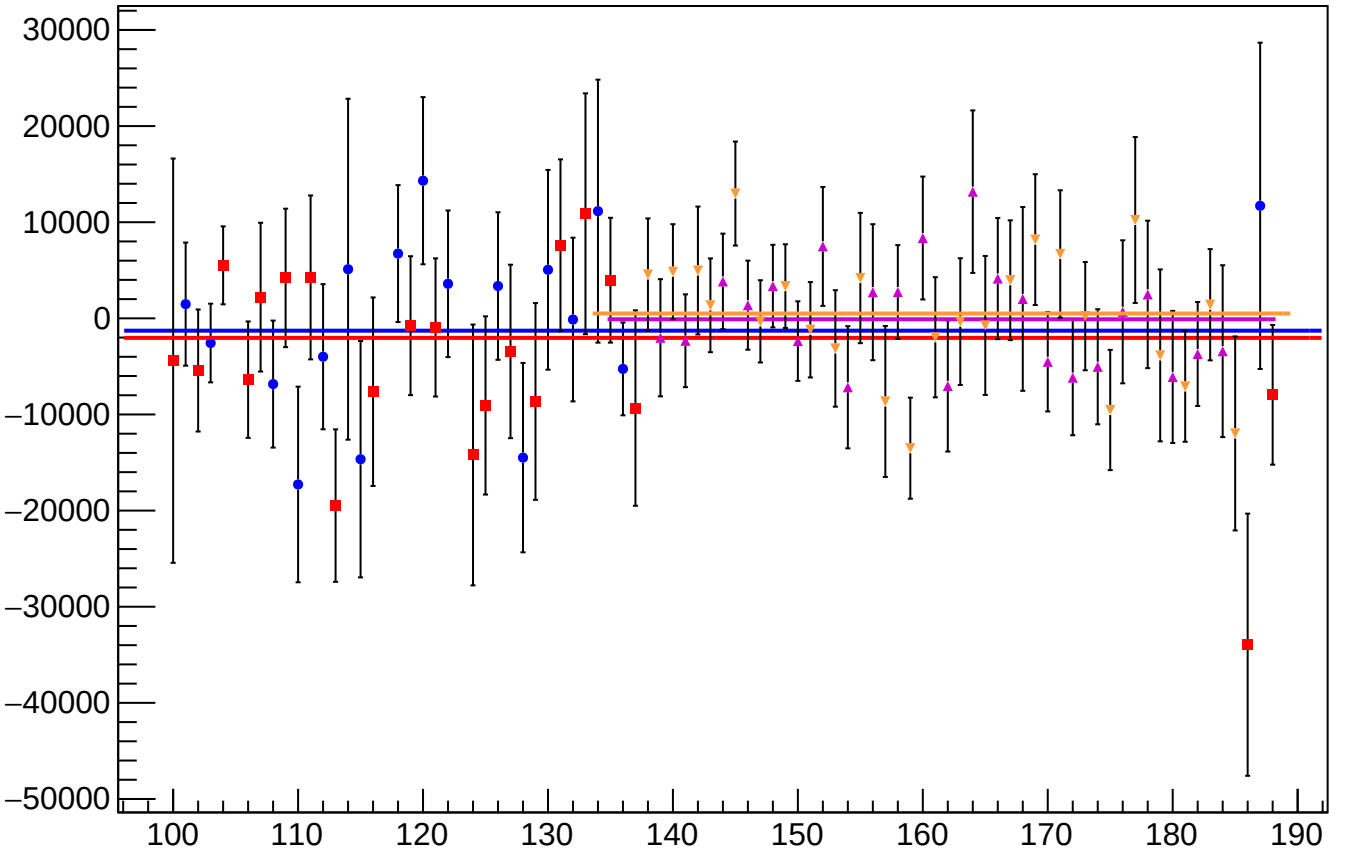
Left: 1536.764+/-0.177 χ^2/NDF: 78317.1/47

Right: 1601.830+/-0.284 χ^2/NDF: 589087.0/37

In: 1553.064+/-0.217 χ^2/NDF:370532.1/39

Out: 1556.686+/-0.208 χ^2/NDF:334492.8/45

All: 1554.950+/-0.150 χ^2/NDF: 705169.9/85



Right In: -1283.302+/-1837.460 χ^2/NDF: 14.4/16

Left Out: 503.849+/-1187.302 χ^2/NDF:26.8/24

Right Out: -2030.543+/-1702.111 χ^2/NDF: 22.6/20

Left In: -97.930+/-1217.585 χ^2/NDF:14.9/22

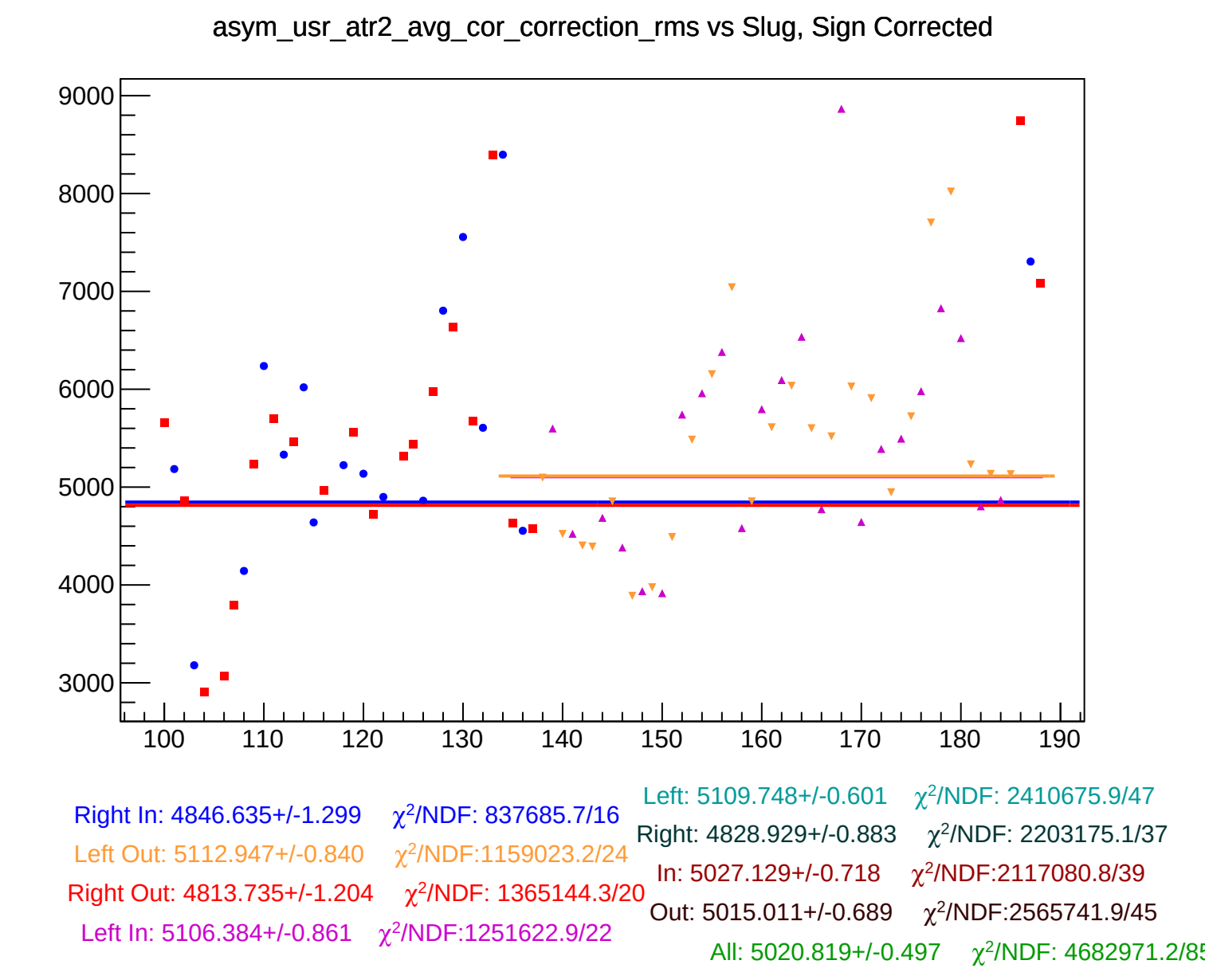
Left: 210.536+/-850.054 χ^2/NDF: 41.8/47

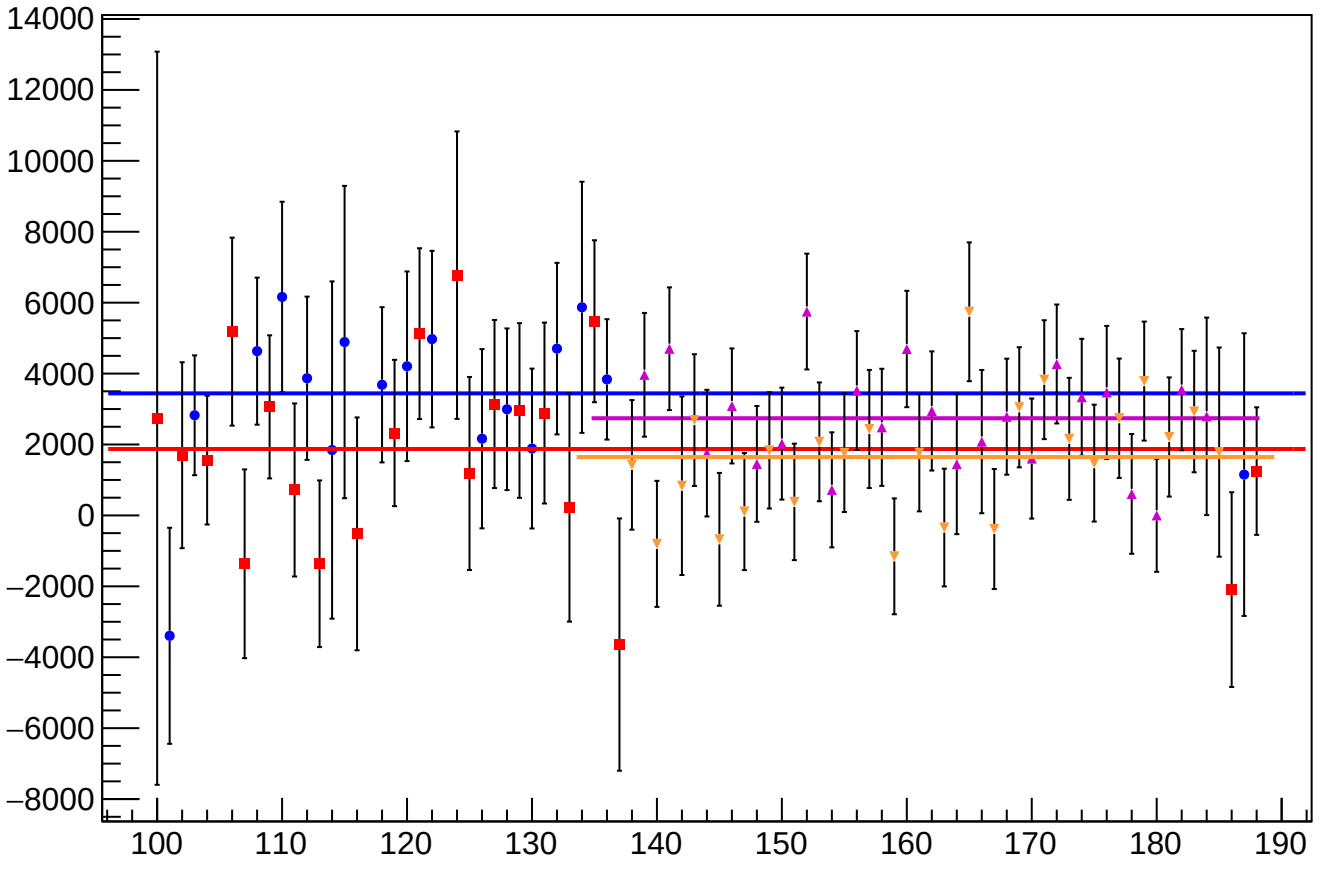
Right: -1685.455+/-1248.685 χ^2/NDF: 37.2/37

In: -459.612+/-1014.971 χ^2/NDF:29.6/39

Out: -325.686+/-973.797 χ^2/NDF:50.9/45

All: -389.878+/-702.684 χ^2/NDF: 80.6/85


asym_usr_atr2_avg_cor_correction_rms vs Slug, Sign Corrected
9000
8000
7000
6000
5000
4000
3000
100
110
120
130
140
150
160
170
180
190
Right In: 4846.635+/-1.299 χ²/NDF: 837685.7/16
Left Out: 5112.947+/-0.840 χ²/NDF:1159023.2/24
Right Out: 4813.735+/-1.204 χ²/NDF: 1365144.3/20
Left In: 5106.384+/-0.861 χ²/NDF:1251622.9/22
Left: 5109.748+/-0.601 χ²/NDF: 2410675.9/47
Right: 4828.929+/-0.883 χ²/NDF: 2203175.1/37
In: 5027.129+/-0.718 χ²/NDF:2117080.8/39
Out: 5015.011+/-0.689 χ²/NDF:2565741.9/45
All: 5020.819+/-0.497 χ²/NDF: 4682971.2/85



Right In: 3441.930+/-594.462 χ^2/NDF: 9.2/16

Left Out: 1646.294+/-349.758 χ^2/NDF:21.0/24

Right Out: 1873.506+/-547.361 χ^2/NDF: 17.5/20

Left In: 2740.826+/-358.458 χ^2/NDF:16.4/22

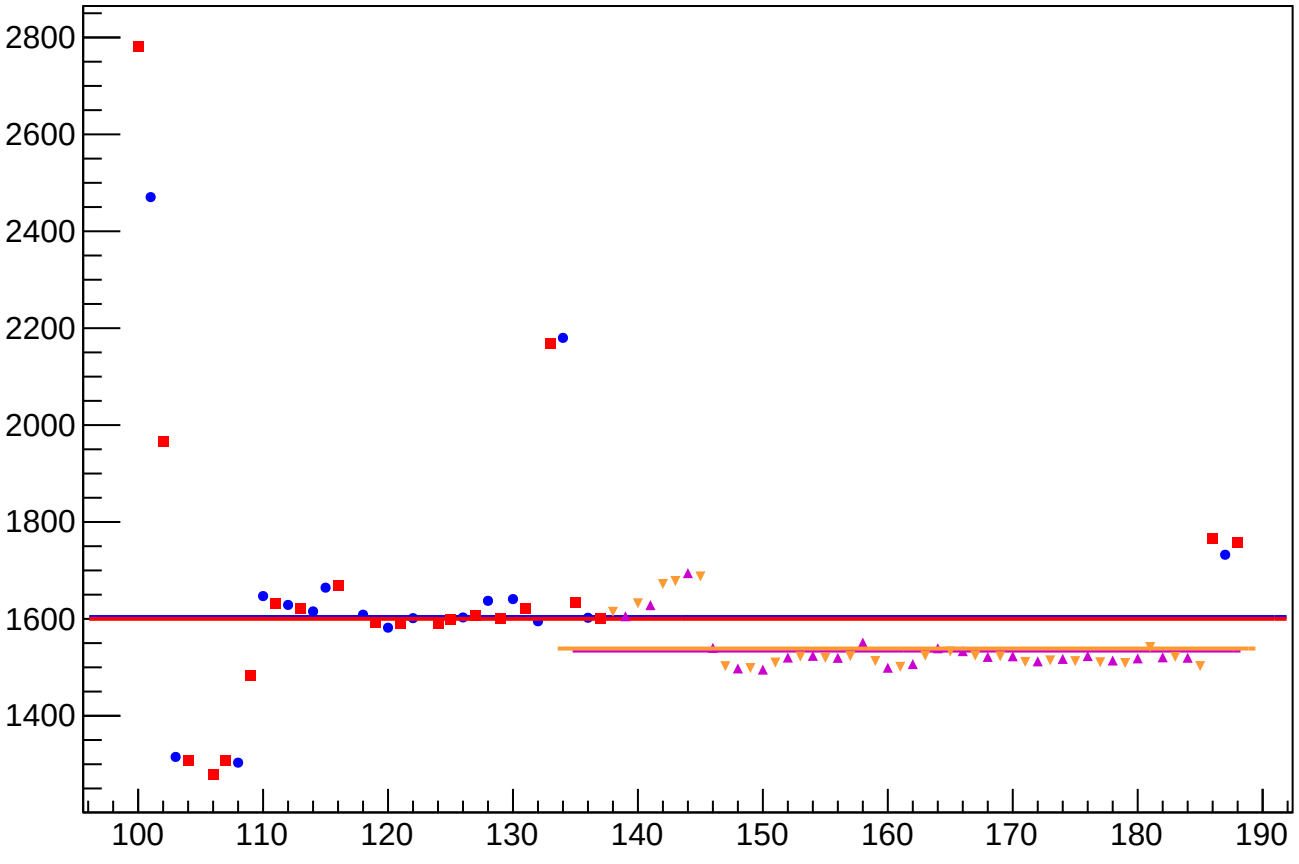
Left: 2180.117+/-250.336 χ^2/NDF: 42.3/47

Right: 2593.128+/-402.666 χ^2/NDF: 30.4/37

In: 2927.775+/-306.969 χ^2/NDF:26.6/39

Out: 1712.169+/-294.727 χ^2/NDF:38.6/45

All: 2295.249+/-212.599 χ^2/NDF: 73.4/85



Right In: 1603.805+/-0.420 χ^2/NDF: 319542.1/16

Left Out: 1538.810+/-0.247 χ^2/NDF:47056.2/24

Right Out: 1600.168+/-0.386 χ^2/NDF: 269504.2/20

Left In: 1534.615+/-0.253 χ^2/NDF:31120.6/22

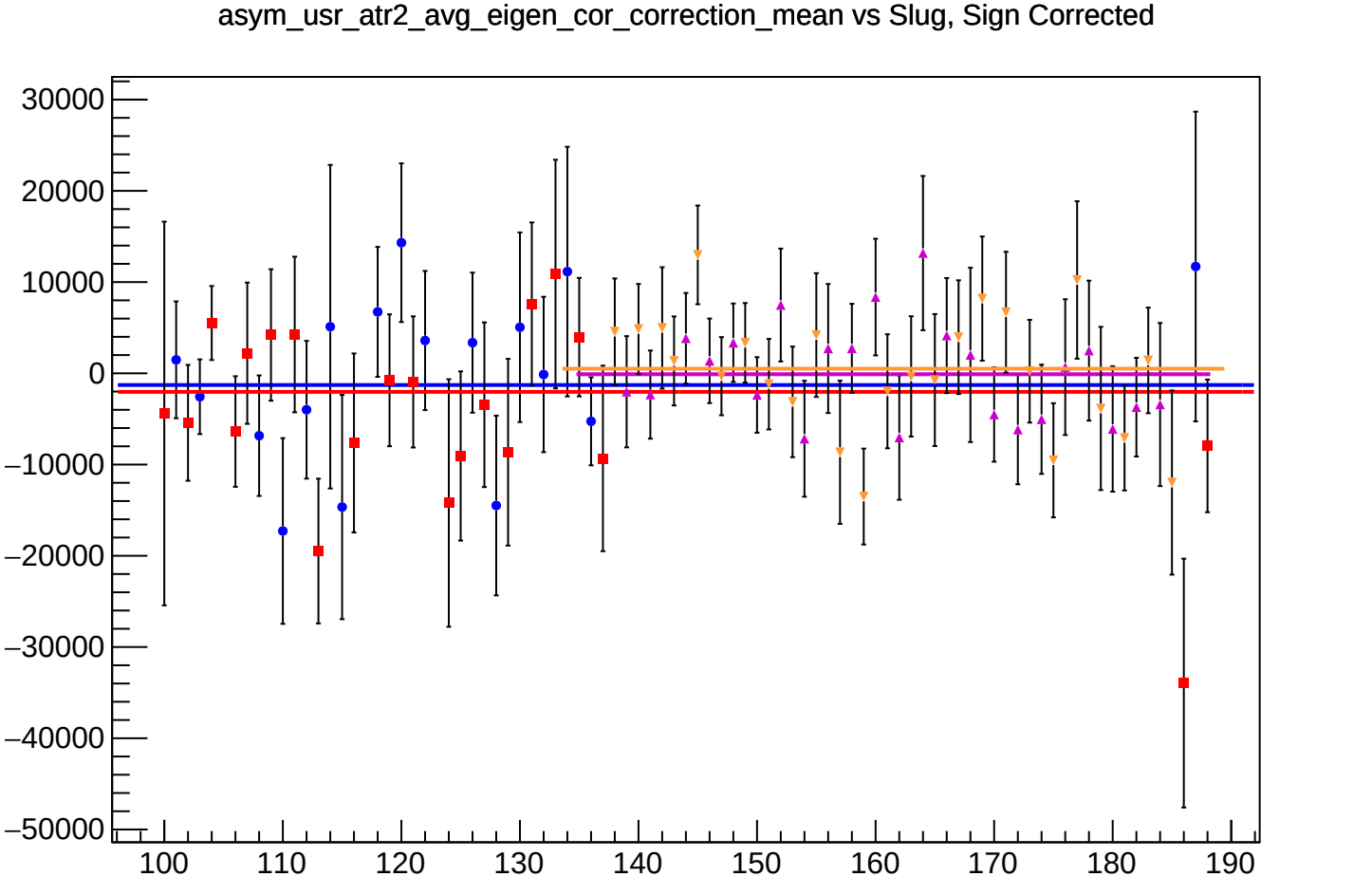
Left: 1536.764+/-0.177 χ^2/NDF: 78317.1/47

Right: 1601.830+/-0.284 χ^2/NDF: 589087.0/37

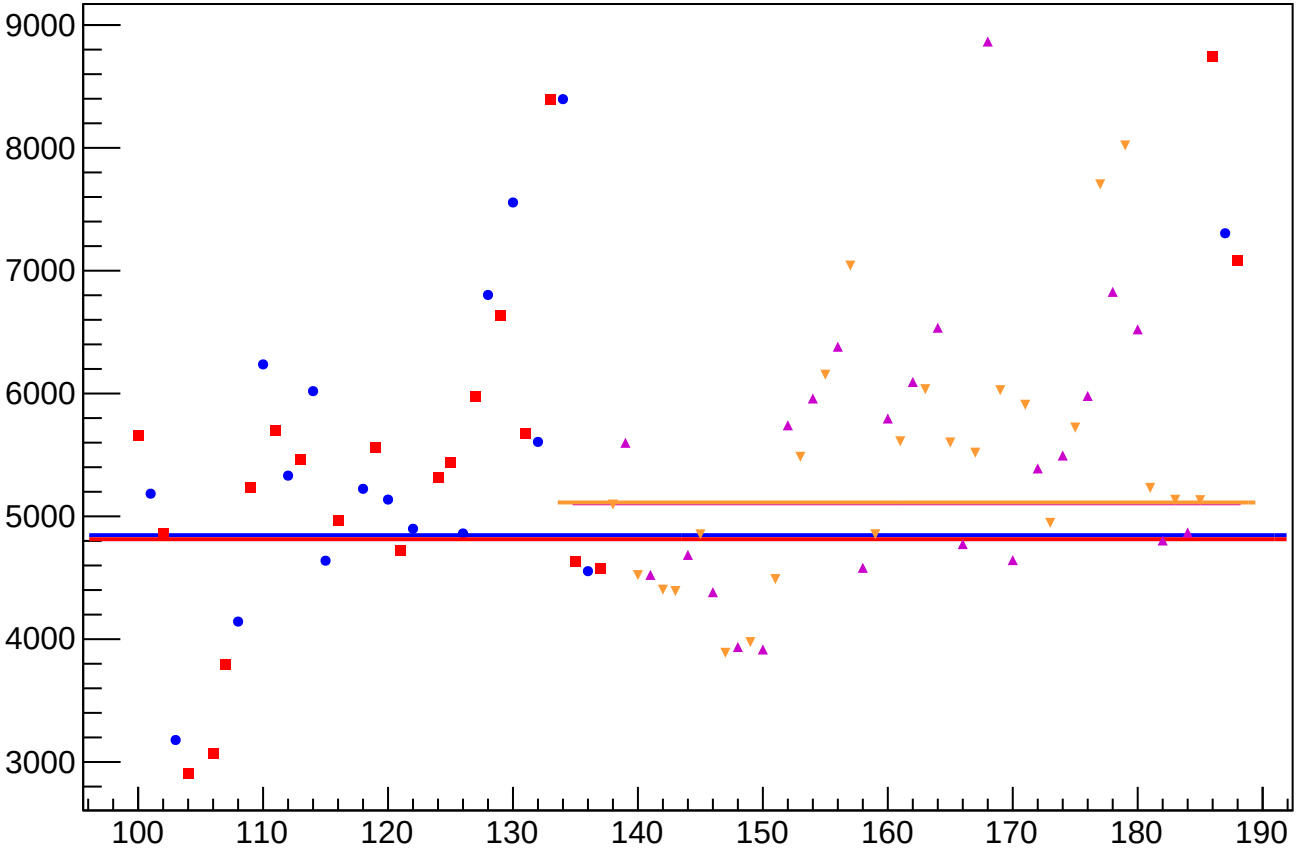
In: 1553.064+/-0.217 χ^2/NDF:370532.1/39

Out: 1556.686+/-0.208 χ^2/NDF:334492.8/45

All: 1554.950+/-0.150 χ^2/NDF: 705169.9/85


asym_usr_atr2_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
−40000
−50000
100
110
120
130
140
150
160
170
180
190
Right In: -1283.302+/-1837.460 χ²/NDF: 14.4/16
Left Out: 503.849+/-1187.302 χ²/NDF:26.8/24
Right Out: -2030.543+/-1702.111 χ²/NDF: 22.6/20
Left In: -97.930+/-1217.585 χ²/NDF:14.9/22
Left: 210.536+/-850.054 χ²/NDF: 41.8/47
Right: -1685.455+/-1248.685 χ²/NDF: 37.2/37
In: -459.612+/-1014.971 χ²/NDF:29.6/39
Out: -325.686+/-973.797 χ²/NDF:50.9/45
All: -389.878+/-702.684 χ²/NDF: 80.6/85

asym_usr_atr2_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 4846.635+/-1.299 χ^2/NDF: 837685.7/16

Left Out: 5112.947+/-0.840 χ^2/NDF:1159023.2/24

Right Out: 4813.735+/-1.204 χ^2/NDF: 1365144.3/20

Left In: 5106.384+/-0.861 χ^2/NDF:1251622.9/22

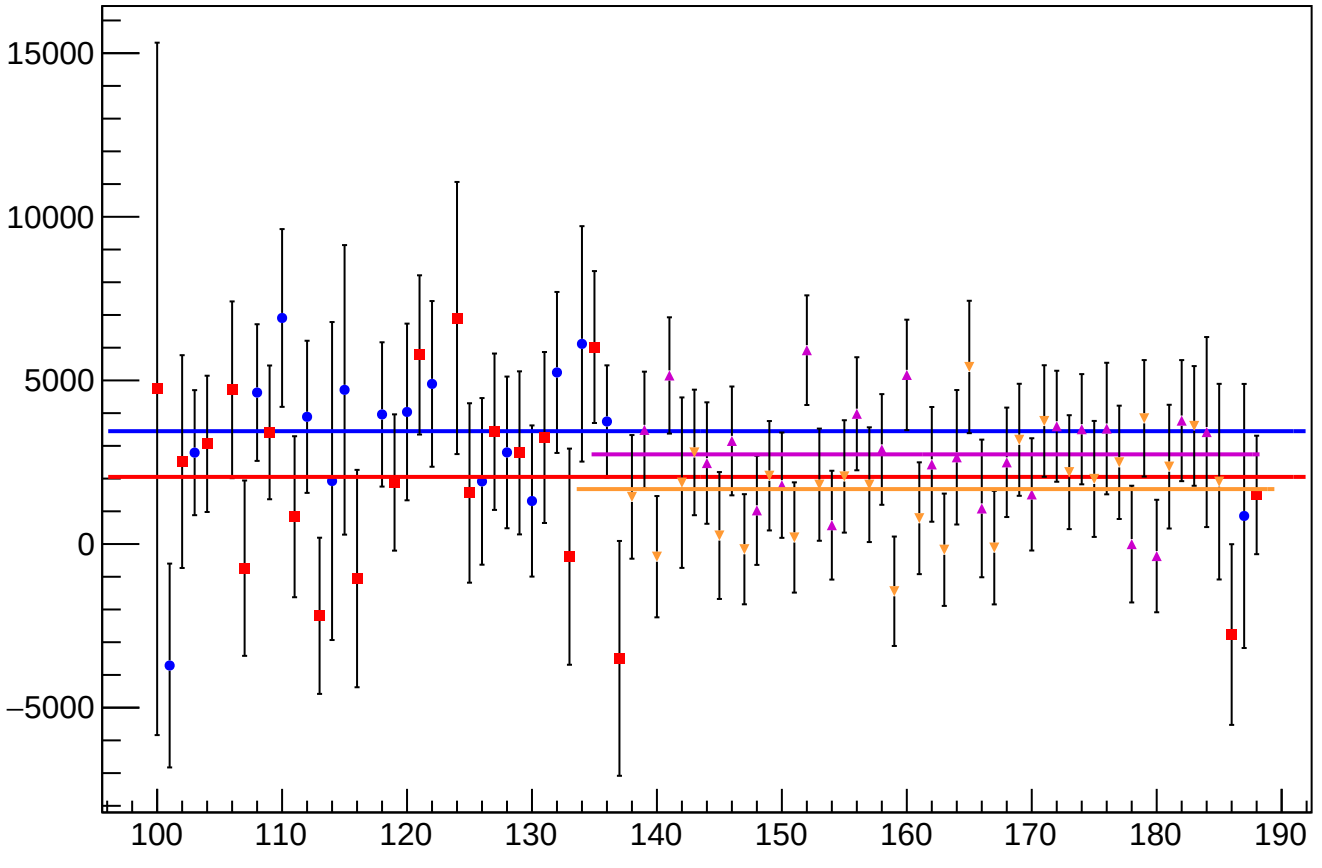
Left: 5109.748+/-0.601 χ^2/NDF: 2410675.9/47

Right: 4828.929+/-0.883 χ^2/NDF: 2203175.1/37

In: 5027.129+/-0.718 χ^2/NDF:2117080.8/39

Out: 5015.011+/-0.689 χ^2/NDF:2565741.9/45

All: 5020.819+/-0.497 χ^2/NDF: 4682971.2/85



Right In: 3448.975+/-609.645 χ^2/NDF: 10.8/16

Left Out: 1679.163+/-362.391 χ^2/NDF:19.0/24

Right Out: 2051.494+/-563.798 χ^2/NDF: 20.5/20

Left In: 2740.666+/-370.604 χ^2/NDF:19.2/22

Left: 2198.022+/-259.104 χ^2/NDF: 42.3/47

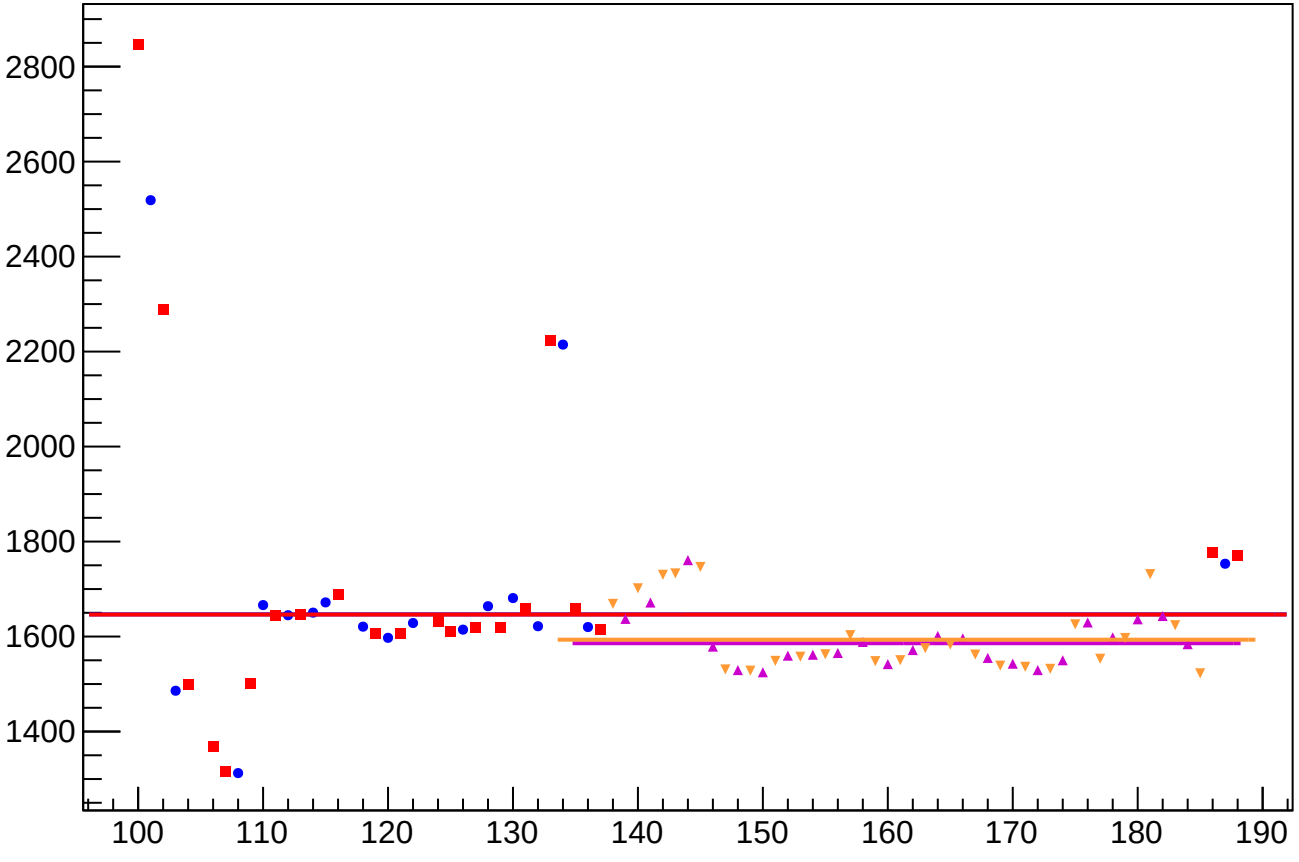
Right: 2695.719+/-413.926 χ^2/NDF: 34.1/37

In: 2931.790+/-316.681 χ^2/NDF:31.0/39

Out: 1788.018+/-304.848 χ^2/NDF:39.7/45

All: 2338.136+/-219.624 χ^2/NDF: 77.5/85

dit_asym_usr_atr2_avg_rms vs Slug, Sign Corrected



Right In: 1646.689+/-0.431 χ^2/NDF: 276246.9/16

Left Out: 1593.388+/-0.256 χ^2/NDF:71876.4/24

Right Out: 1646.323+/-0.398 χ^2/NDF: 253559.2/20

Left In: 1585.918+/-0.262 χ^2/NDF:41915.3/22

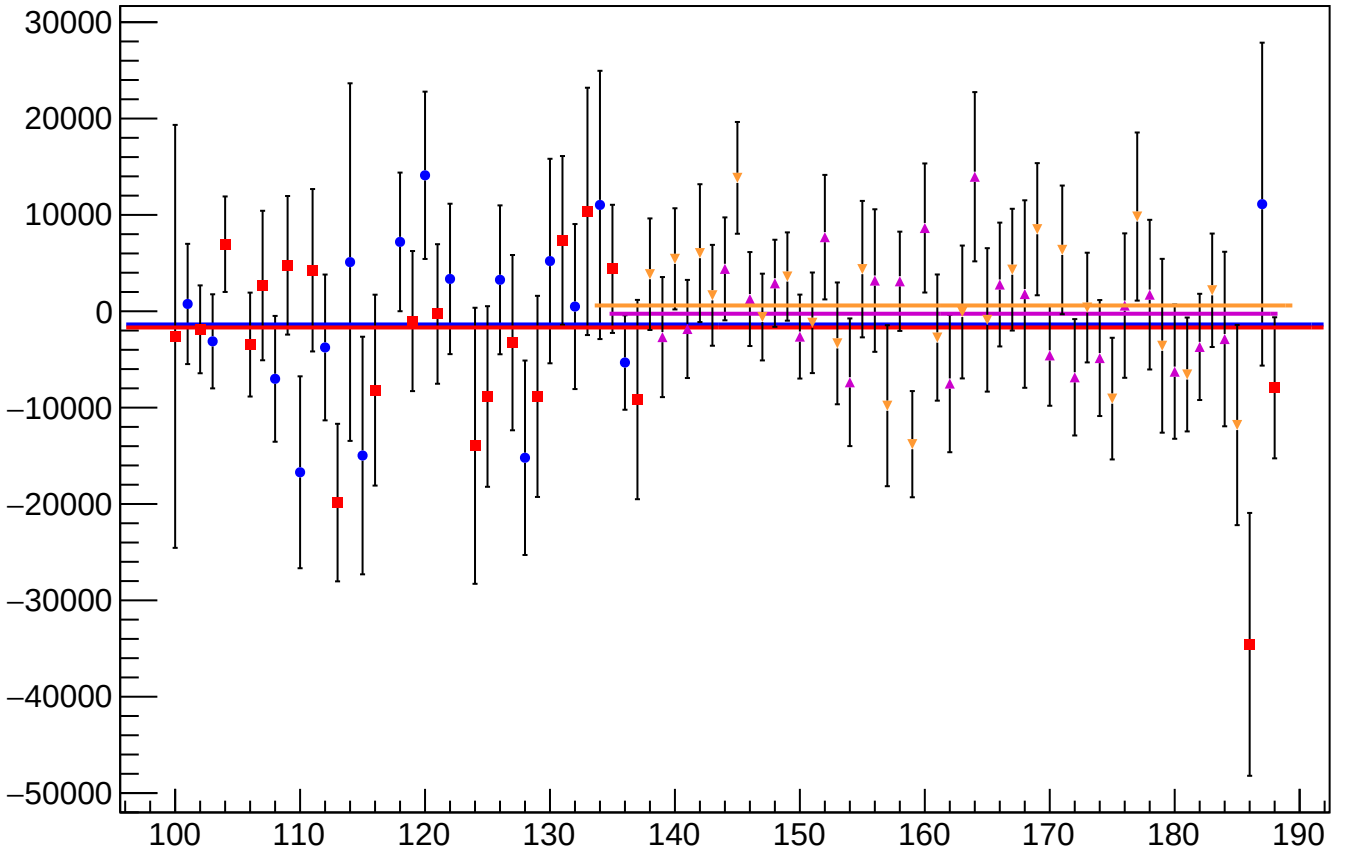
Left: 1589.737+/-0.183 χ^2/NDF: 114207.1/47

Right: 1646.492+/-0.293 χ^2/NDF: 529806.5/37

In: 1602.316+/-0.224 χ^2/NDF:332673.0/39

Out: 1608.880+/-0.216 χ^2/NDF:337925.4/45

All: 1605.724+/-0.155 χ^2/NDF: 671044.5/85



Right In: -1369.232+/-1901.438 χ^2/NDF: 14.4/16

Left Out: 601.820+/-1233.559 χ^2/NDF:26.0/24

Right Out: -1681.873+/-1687.664 χ^2/NDF: 21.9/20

Left In: -255.905+/-1262.607 χ^2/NDF:14.6/22

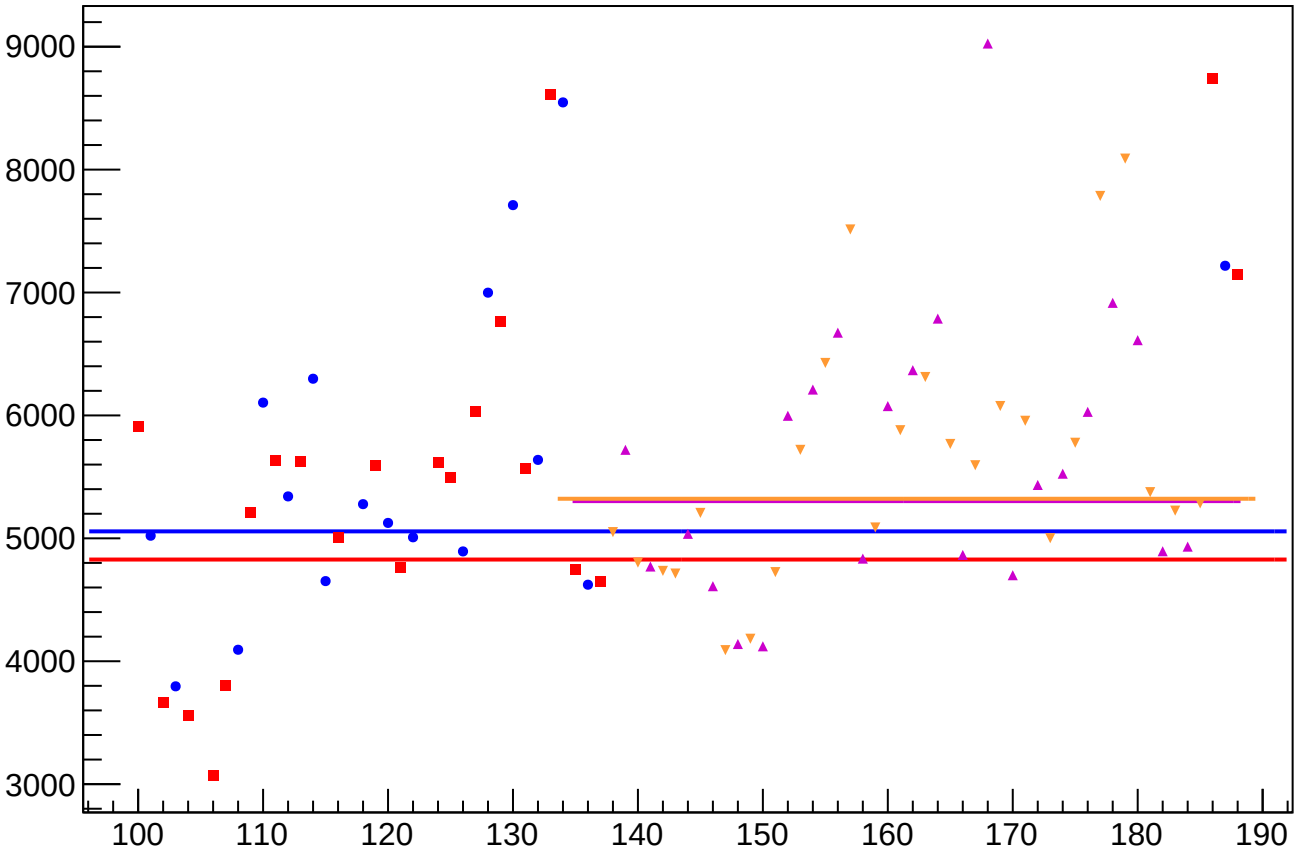
Left: 182.938+/-882.349 χ^2/NDF: 40.9/47

Right: -1544.108+/-1262.200 χ^2/NDF: 36.3/37

In: -596.589+/-1051.832 χ^2/NDF:29.3/39

Out: -193.401+/-995.890 χ^2/NDF:49.1/45

All: -383.988+/-723.169 χ^2/NDF: 78.5/85



Right In: 5056.640+/-1.345 χ^2/NDF: 599170.8/16

Left Out: 5321.956+/-0.872 χ^2/NDF:1037009.2/24

Right Out: 4827.455+/-1.193 χ^2/NDF: 1253975.7/20

Left In: 5302.849+/-0.893 χ^2/NDF:1152376.1/22

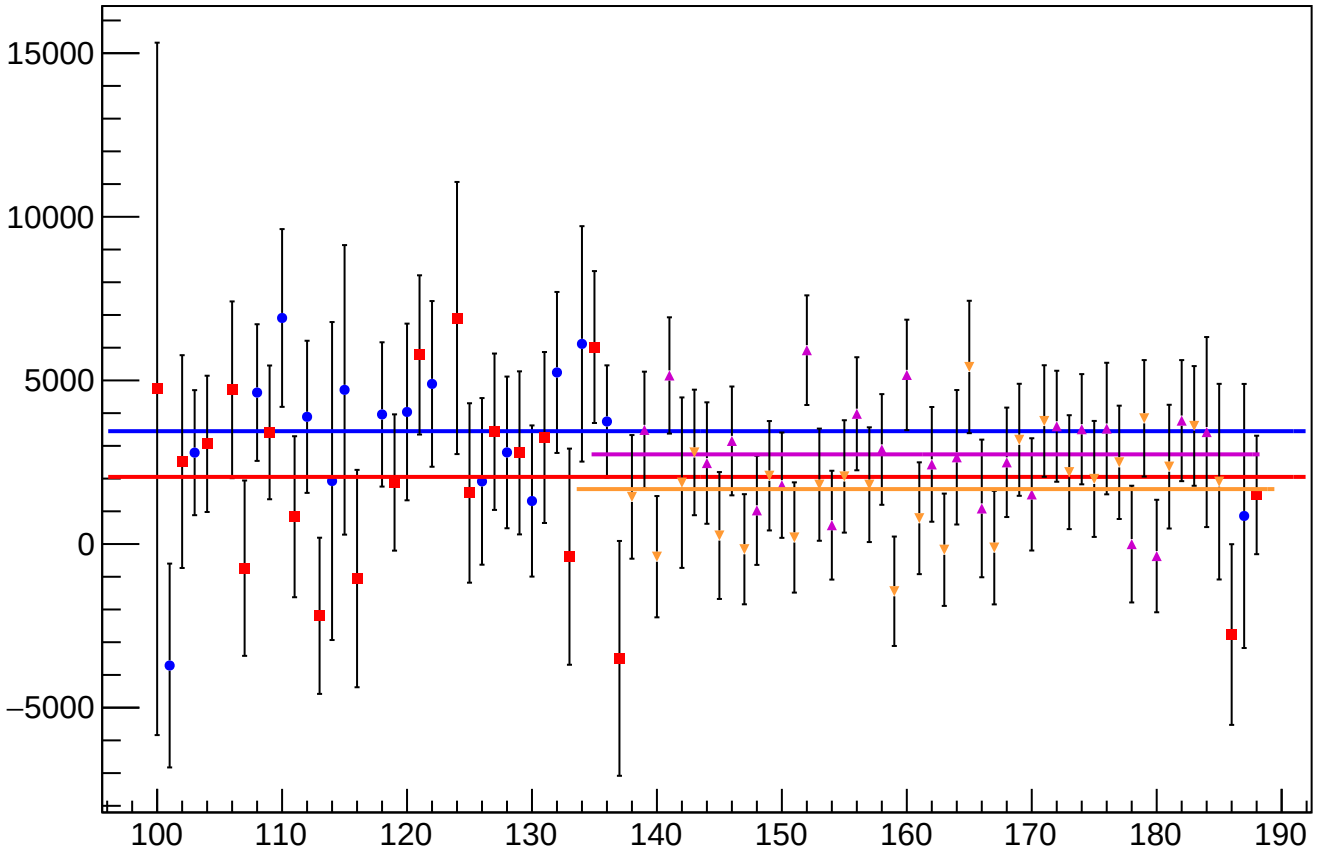
Left: 5312.625+/-0.624 χ^2/NDF: 2189619.6/47

Right: 4928.445+/-0.893 χ^2/NDF: 1869399.1/37

In: 5227.508+/-0.744 χ^2/NDF:1774818.9/39

Out: 5149.762+/-0.704 χ^2/NDF:2402901.6/45

All: 5186.513+/-0.511 χ^2/NDF: 4183482.1/85



Right In: 3448.979+/-609.645 χ^2/NDF: 10.8/16

Left Out: 1679.156+/-362.392 χ^2/NDF:19.0/24

Right Out: 2051.499+/-563.798 χ^2/NDF: 20.5/20

Left In: 2740.666+/-370.605 χ^2/NDF:19.2/22

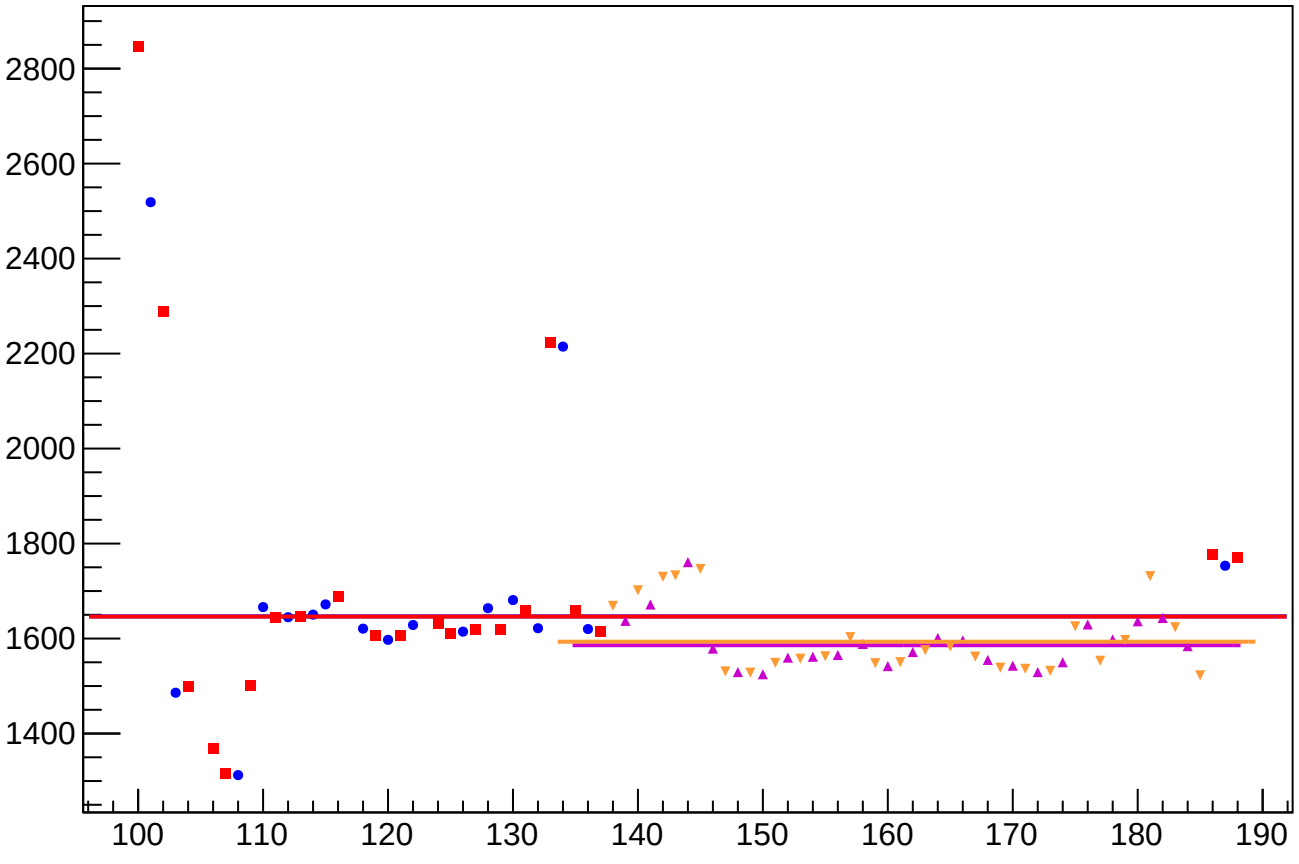
Left: 2198.019+/-259.104 χ^2/NDF: 42.3/47

Right: 2695.723+/-413.926 χ^2/NDF: 34.1/37

In: 2931.791+/-316.681 χ^2/NDF:31.0/39

Out: 1788.015+/-304.848 χ^2/NDF:39.7/45

All: 2338.135+/-219.624 χ^2/NDF: 77.5/85



Right In: 1646.688+/-0.431 χ^2/NDF: 276247.1/16

Left Out: 1593.388+/-0.256 χ^2/NDF:71876.3/24

Right Out: 1646.323+/-0.398 χ^2/NDF: 253558.9/20

Left In: 1585.919+/-0.262 χ^2/NDF:41915.1/22

Left: 1589.737+/-0.183 χ^2/NDF: 114206.7/47

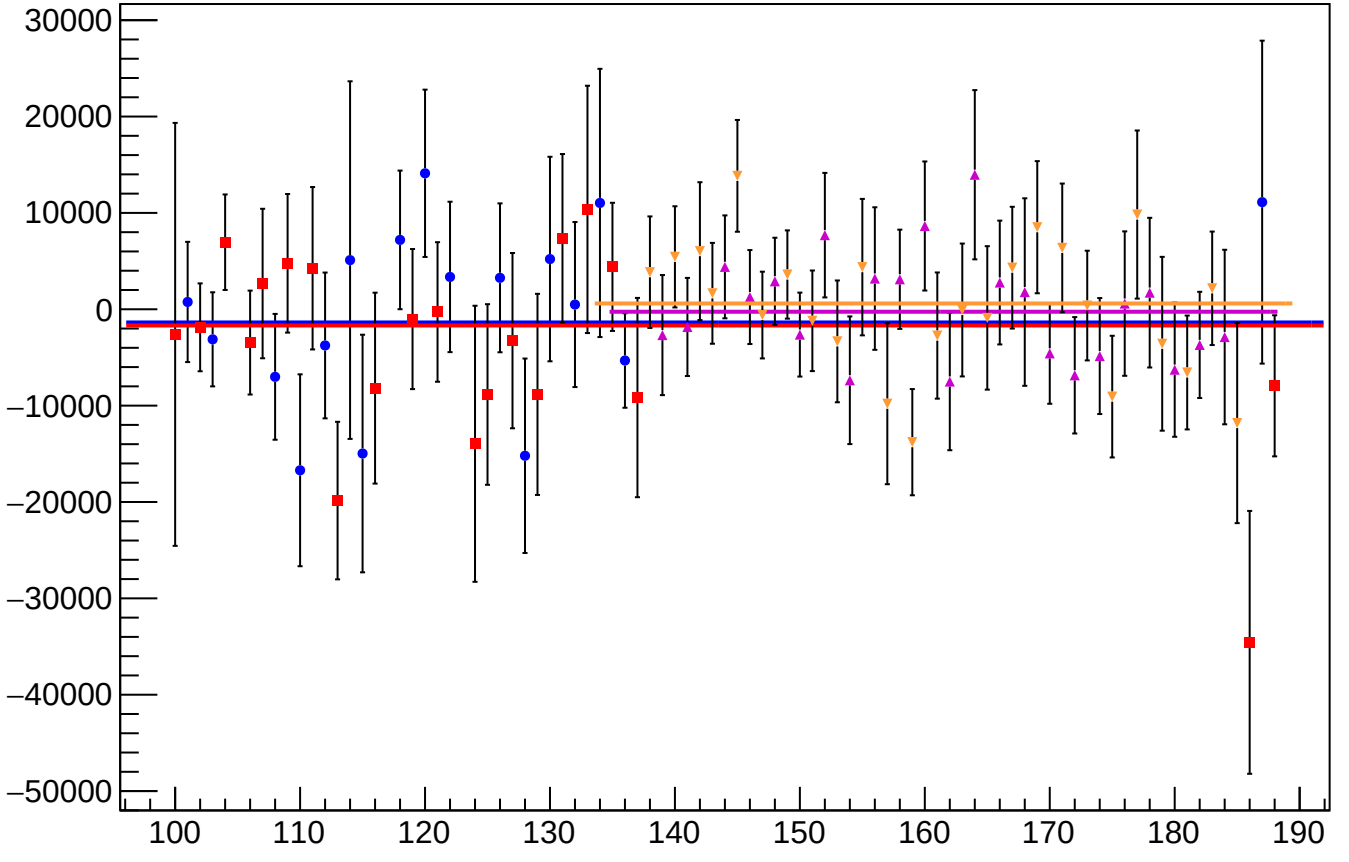
Right: 1646.491+/-0.293 χ^2/NDF: 529806.4/37

In: 1602.316+/-0.224 χ^2/NDF:332672.2/39

Out: 1608.881+/-0.216 χ^2/NDF:337924.4/45

All: 1605.724+/-0.155 χ^2/NDF: 671042.7/85

asym_usr_atr2_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -1369.217+/-1901.435 χ^2/NDF: 14.4/16

Left Out: 601.817+/-1233.561 χ^2/NDF:26.0/24

Right Out: -1681.871+/-1687.661 χ^2/NDF: 21.9/20

Left In: -255.907+/-1262.609 χ^2/NDF:14.6/22

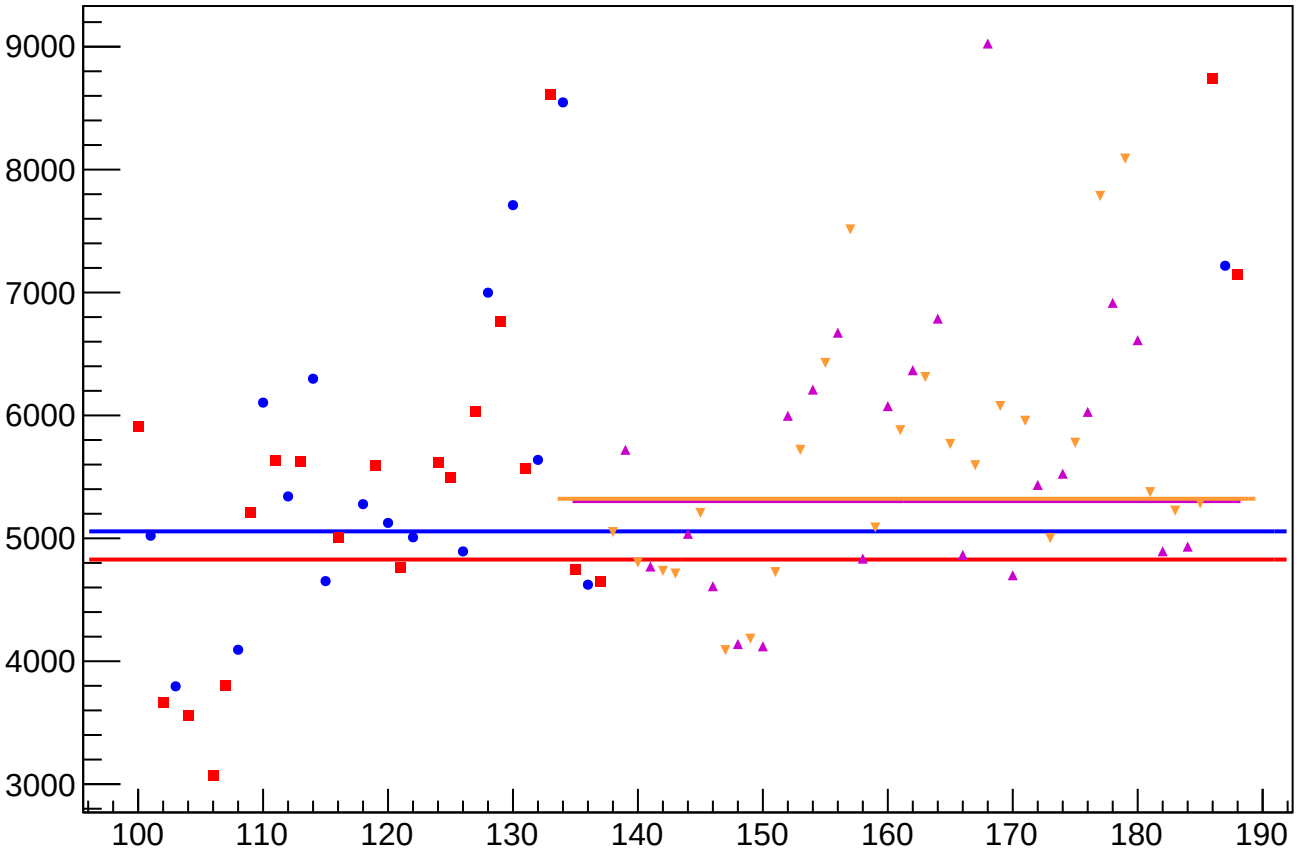
Left: 182.935+/-882.350 χ^2/NDF: 40.9/47

Right: -1544.101+/-1262.199 χ^2/NDF: 36.3/37

In: -596.587+/-1051.833 χ^2/NDF:29.3/39

Out: -193.407+/-995.890 χ^2/NDF:49.1/45

All: -383.991+/-723.169 χ^2/NDF: 78.5/85



Right In: 5056.633+/-1.345 χ^2/NDF: 599165.0/16

Left Out: 5321.965+/-0.872 χ^2/NDF:1037011.4/24

Right Out: 4827.449+/-1.193 χ^2/NDF: 1253972.2/20

Left In: 5302.858+/-0.893 χ^2/NDF:1152380.1/22

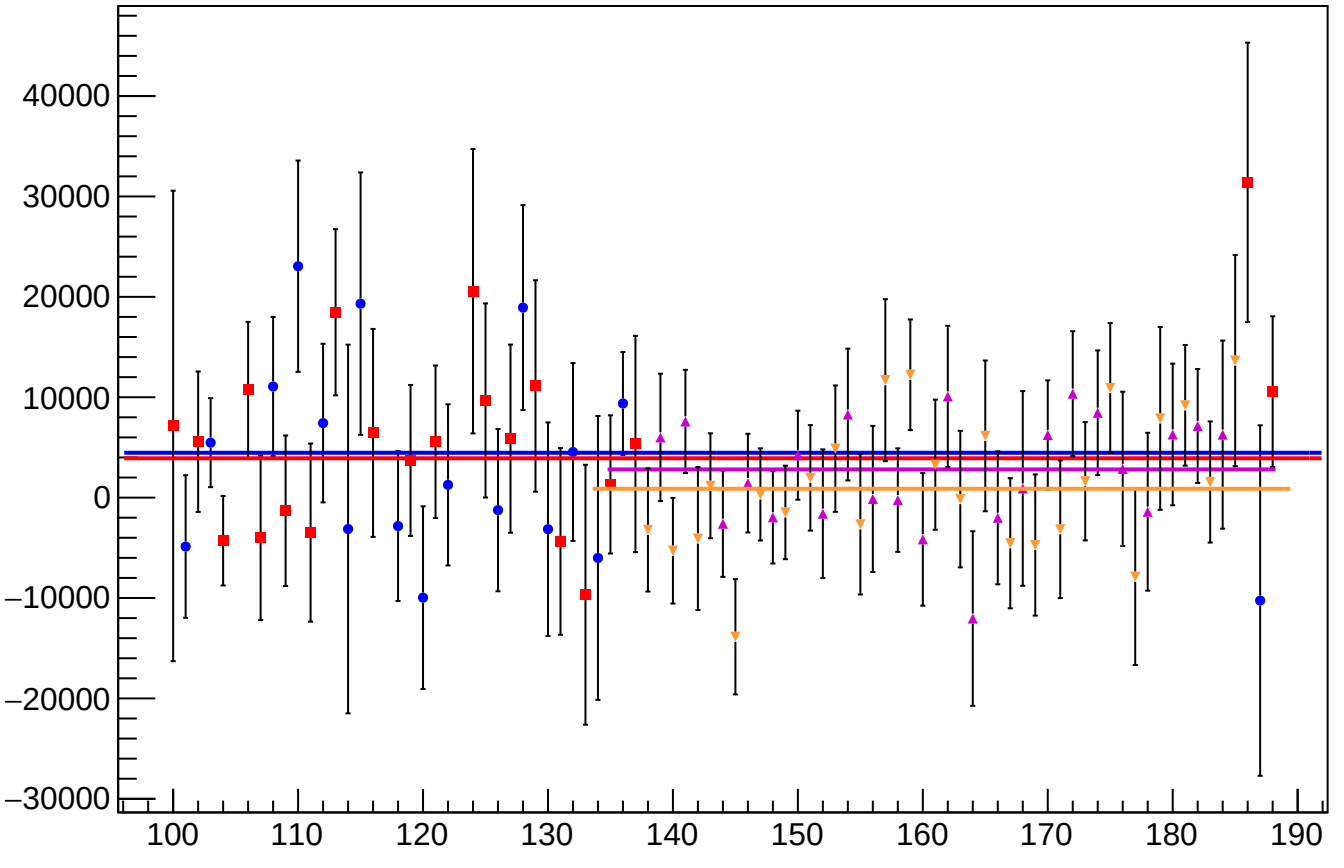
Left: 5312.634+/-0.624 χ^2/NDF: 2189625.8/47

Right: 4928.439+/-0.893 χ^2/NDF: 1869389.7/37

In: 5227.512+/-0.744 χ^2/NDF:1774819.9/39

Out: 5149.765+/-0.704 χ^2/NDF:2402907.4/45

All: 5186.516+/-0.511 χ^2/NDF: 4183489.0/85



Right In: 4467.830+/-1946.284 χ^2/NDF: 16.2/16

Left Out: 885.482+/-1246.500 χ^2/NDF:25.7/24

Right Out: 3921.183+/-1810.734 χ^2/NDF: 18.8/20

Left In: 2810.702+/-1277.225 χ^2/NDF:14.7/22

Left: 1824.657+/-892.073 χ^2/NDF: 41.5/47

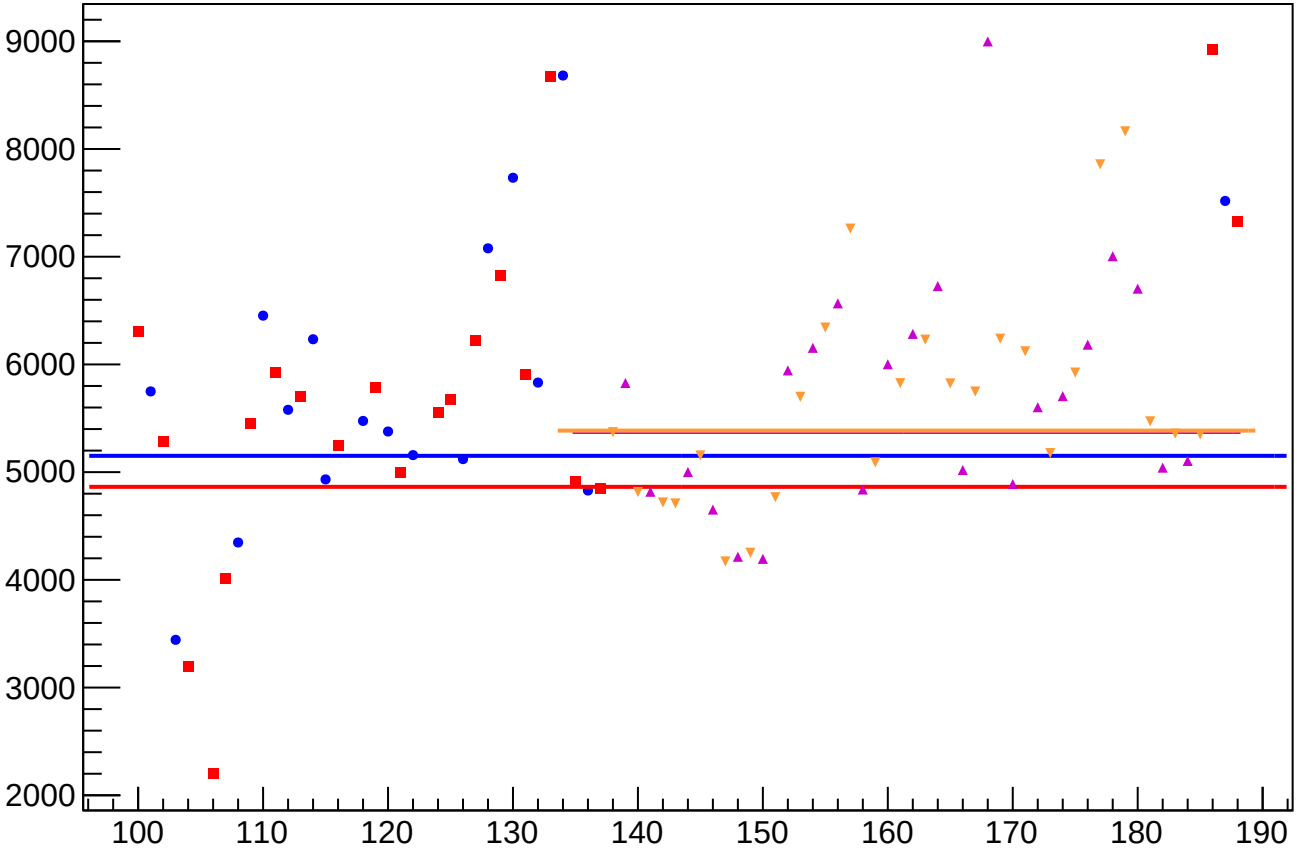
Right: 4174.810+/-1325.715 χ^2/NDF: 35.1/37

In: 3309.524+/-1067.827 χ^2/NDF:31.5/39

Out: 1861.527+/-1026.739 χ^2/NDF:46.3/45

All: 2557.132+/-740.114 χ^2/NDF: 78.8/85

asym_usr_atr2_avg_rms vs Slug, Sign Corrected



Right In: 5151.433+/-1.376 χ^2/NDF: 757588.9/16

Left Out: 5385.653+/-0.881 χ^2/NDF:987089.3/24

Right Out: 4863.604+/-1.235 χ^2/NDF: 1757425.1/20

Left In: 5372.867+/-0.903 χ^2/NDF:1071821.2/22

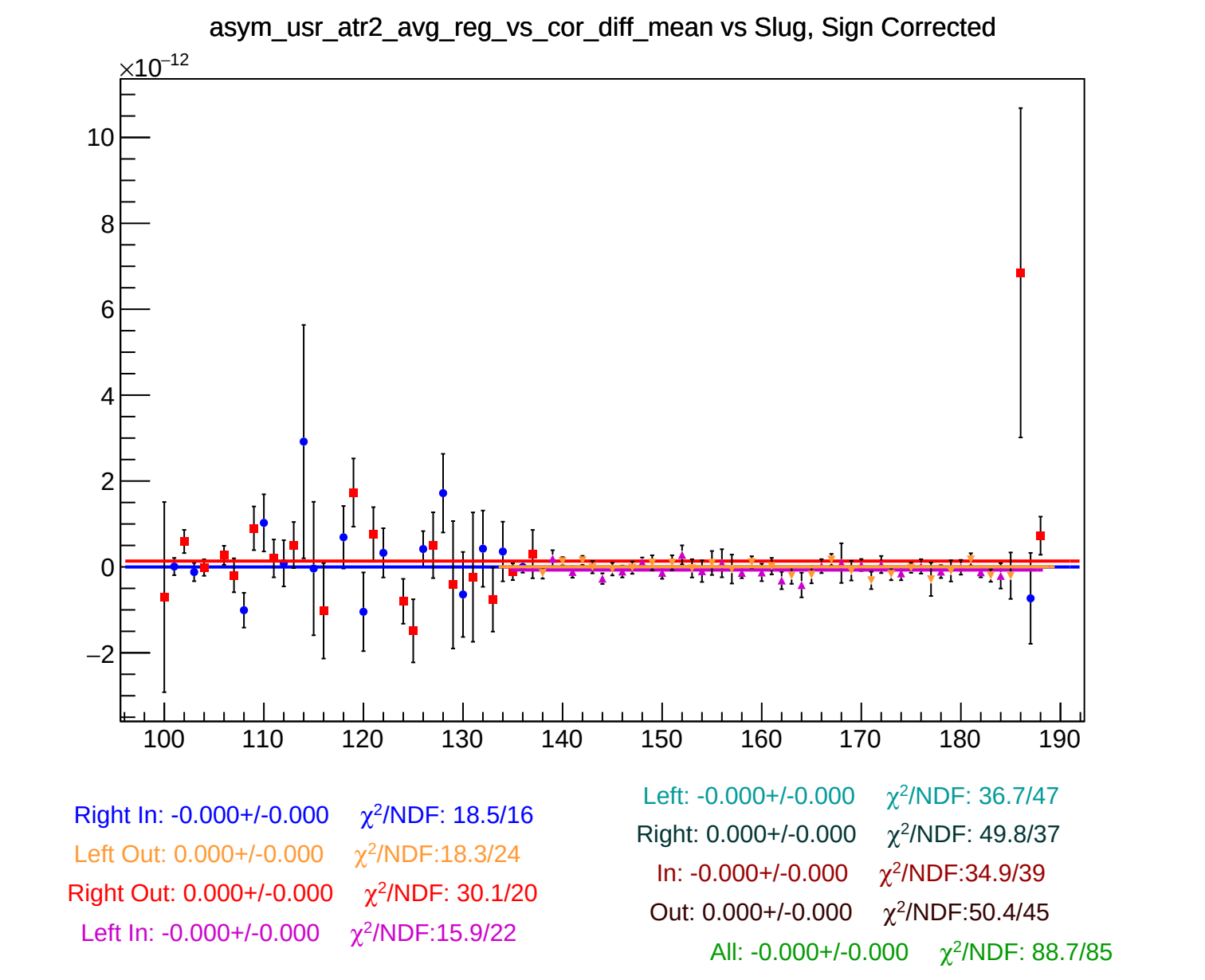
Left: 5379.416+/-0.631 χ^2/NDF: 2059013.2/47

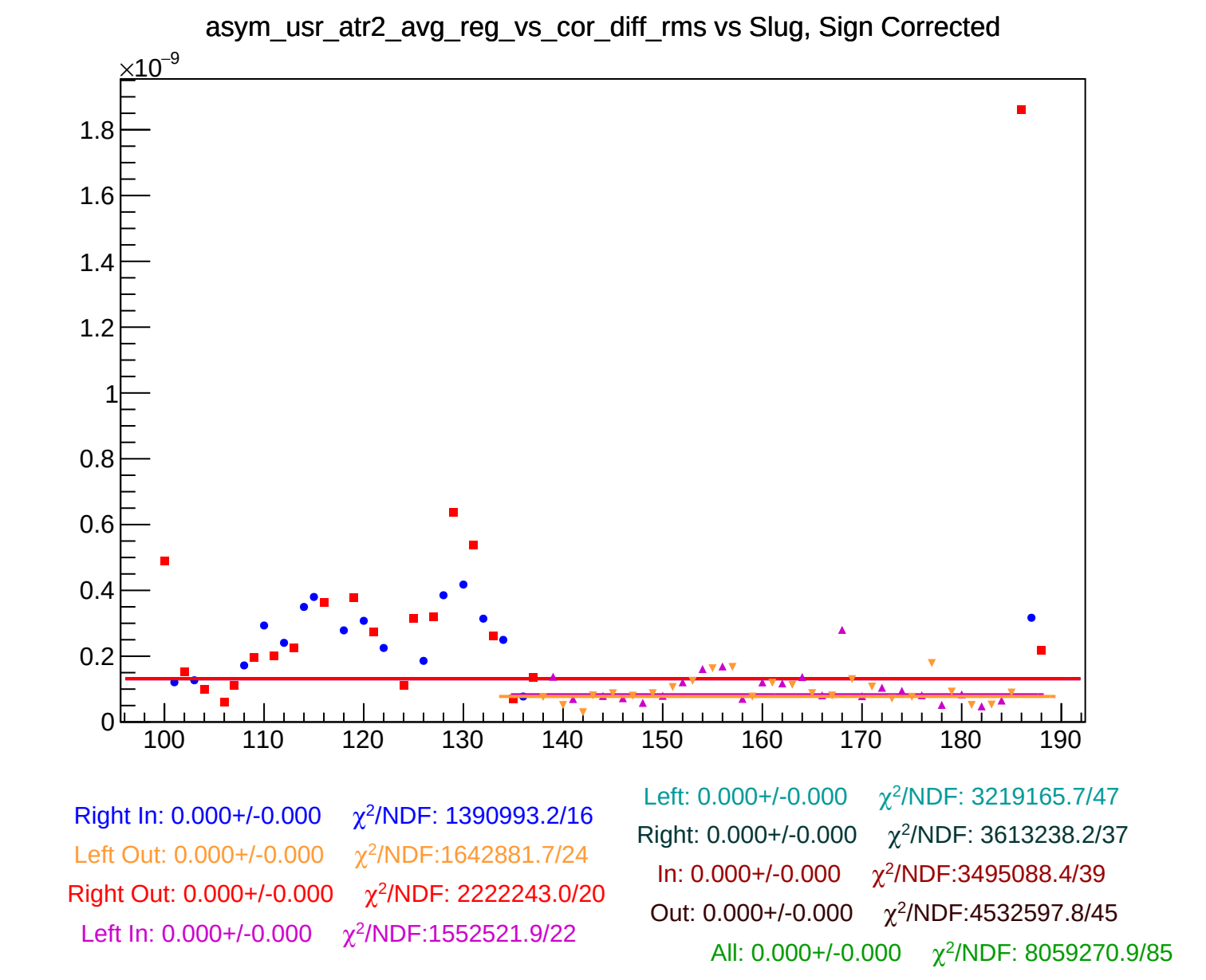
Right: 4991.976+/-0.919 χ^2/NDF: 2539246.4/37

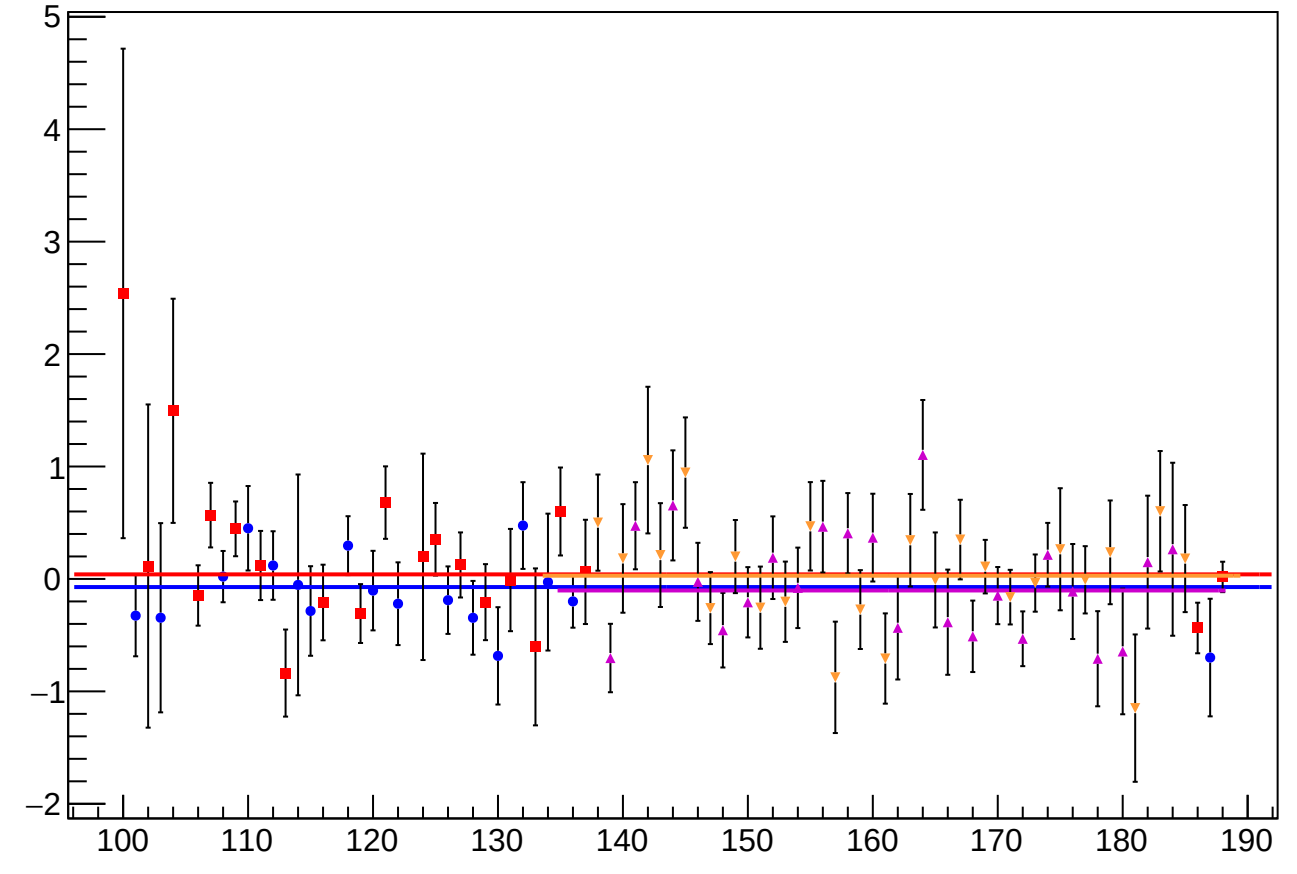
In: 5306.212+/-0.755 χ^2/NDF:1847505.8/39

Out: 5209.446+/-0.717 χ^2/NDF:2862922.4/45

All: 5255.355+/-0.520 χ^2/NDF: 4719059.9/85


asym_usr_atr2_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
10
8
6
4
2
0
−2
100
110
120
130
140
150
160
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 18.5/16
Left Out: 0.000+/-0.000 χ²/NDF:18.3/24
Right Out: 0.000+/-0.000 χ²/NDF: 30.1/20
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: 49.8/37
In: -0.000+/-0.000 χ²/NDF:34.9/39
Out: 0.000+/-0.000 χ²/NDF:50.4/45
All: -0.000+/-0.000 χ²/NDF: 88.7/85


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
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 1390993.2/16
Left Out: 0.000+/-0.000 χ²/NDF:1642881.7/24
Right Out: 0.000+/-0.000 χ²/NDF: 2222243.0/20
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: 3613238.2/37
In: 0.000+/-0.000 χ²/NDF:3495088.4/39
Out: 0.000+/-0.000 χ²/NDF:4532597.8/45
All: 0.000+/-0.000 χ²/NDF: 8059270.9/85



Right In: -0.072+/-0.084 χ^2/NDF: 12.1/16

Left Out: 0.029+/-0.075 χ^2/NDF:25.3/24

Right Out: 0.041+/-0.068 χ^2/NDF: 30.5/20

Left In: -0.103+/-0.076 χ^2/NDF:32.3/22

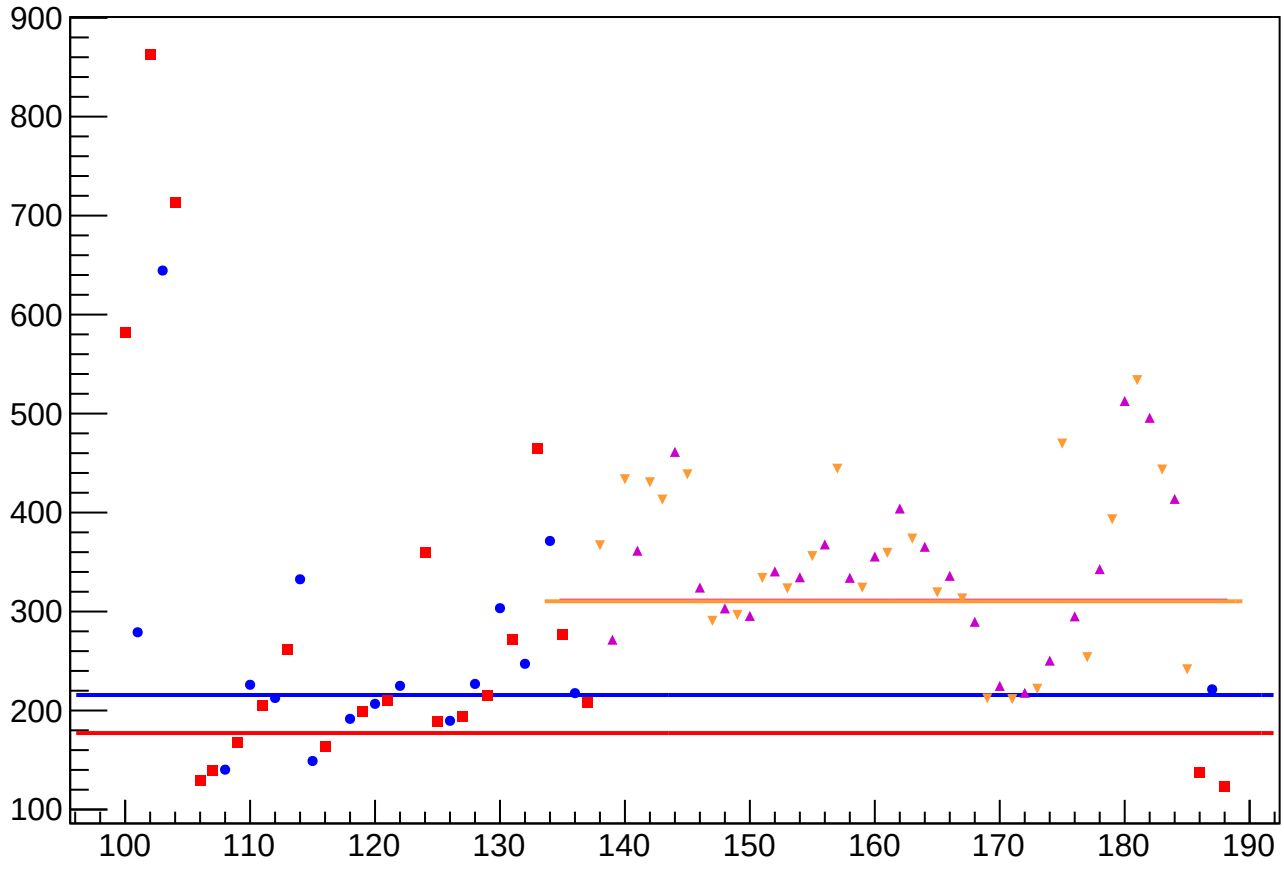
Left: -0.036+/-0.053 χ^2/NDF: 59.1/47

Right: -0.004+/-0.053 χ^2/NDF: 43.8/37

In: -0.089+/-0.057 χ^2/NDF:44.5/39

Out: 0.035+/-0.050 χ^2/NDF:55.9/45

All: -0.019+/-0.038 χ^2/NDF: 103.1/85



Right In: 215.672+/-0.060 χ^2/NDF: 1148974.3/16

Left Out: 310.359+/-0.053 χ^2/NDF:2363086.4/24

Right Out: 177.244+/-0.048 χ^2/NDF: 2414026.6/20

Left In: 310.960+/-0.054 χ^2/NDF:1600370.0/22

Left: 310.653+/-0.038 χ^2/NDF: 3963519.7/47

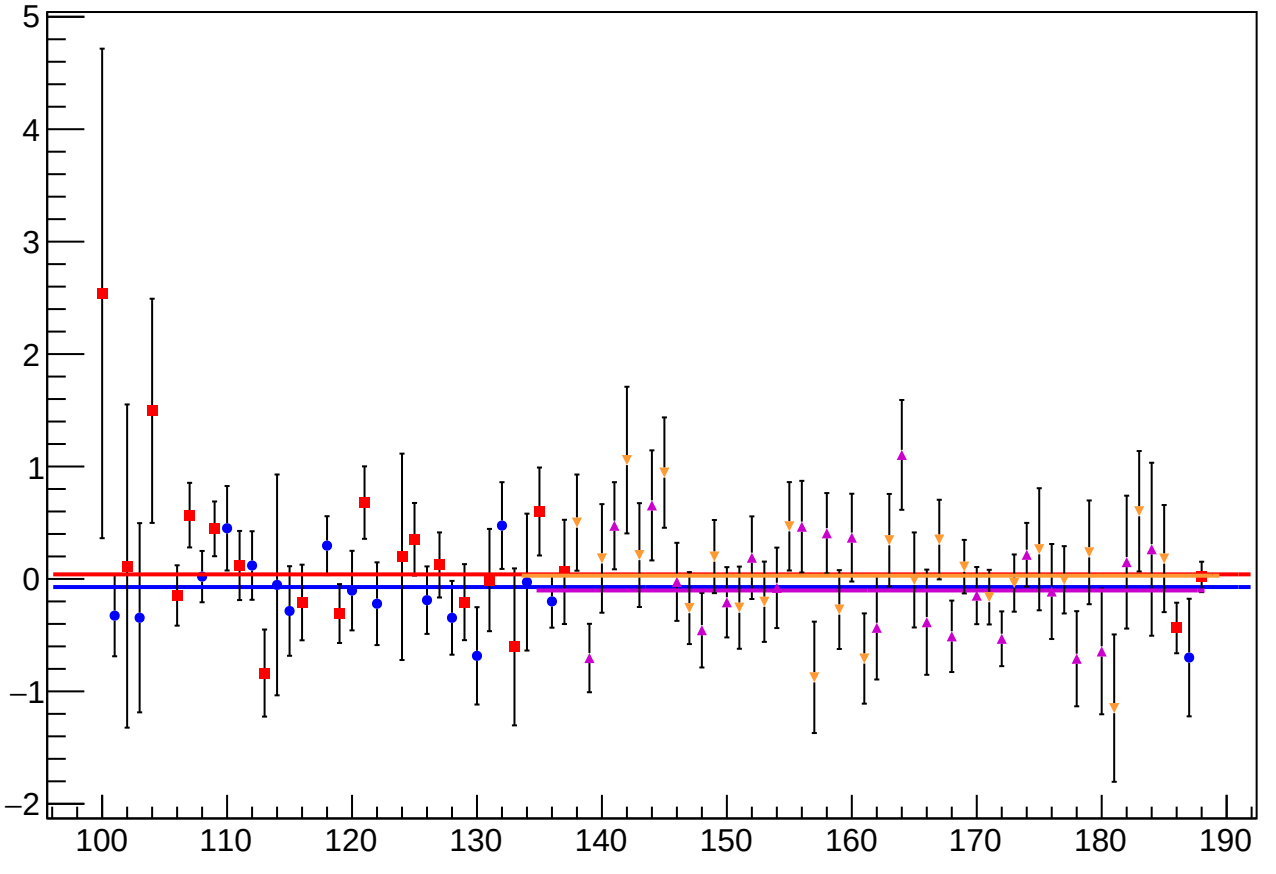
Right: 192.273+/-0.037 χ^2/NDF: 3815764.4/37

In: 268.108+/-0.040 χ^2/NDF:4153835.4/39

Out: 237.206+/-0.035 χ^2/NDF:8270382.4/45

All: 250.795+/-0.027 χ^2/NDF: 12758651.7/85

asym_usr_atr2_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.072+/-0.084 χ^2/NDF: 12.1/16

Left Out: 0.029+/-0.075 χ^2/NDF:25.3/24

Right Out: 0.041+/-0.068 χ^2/NDF: 30.5/20

Left In: -0.103+/-0.076 χ^2/NDF:32.3/22

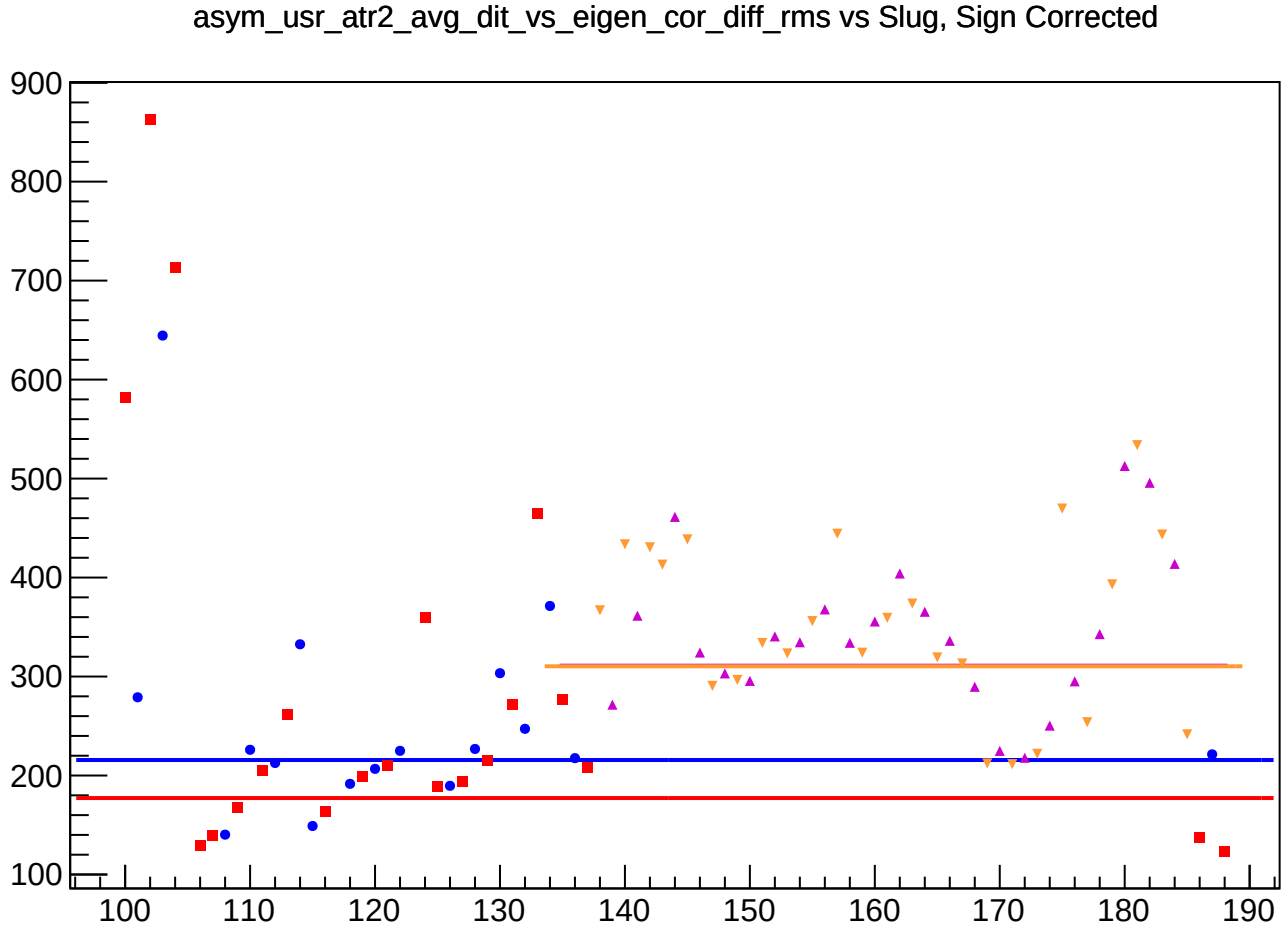
Left: -0.036+/-0.053 χ^2/NDF: 59.1/47

Right: -0.004+/-0.053 χ^2/NDF: 43.8/37

In: -0.089+/-0.057 χ^2/NDF:44.5/39

Out: 0.035+/-0.050 χ^2/NDF:55.9/45

All: -0.019+/-0.038 χ^2/NDF: 103.1/85



Right In: 215.672+/-0.060 χ^2/NDF: 1148974.3/16

Left Out: 310.359+/-0.053 χ^2/NDF:2363086.4/24

Right Out: 177.244+/-0.048 χ^2/NDF: 2414026.6/20

Left In: 310.960+/-0.054 χ^2/NDF:1600370.0/22

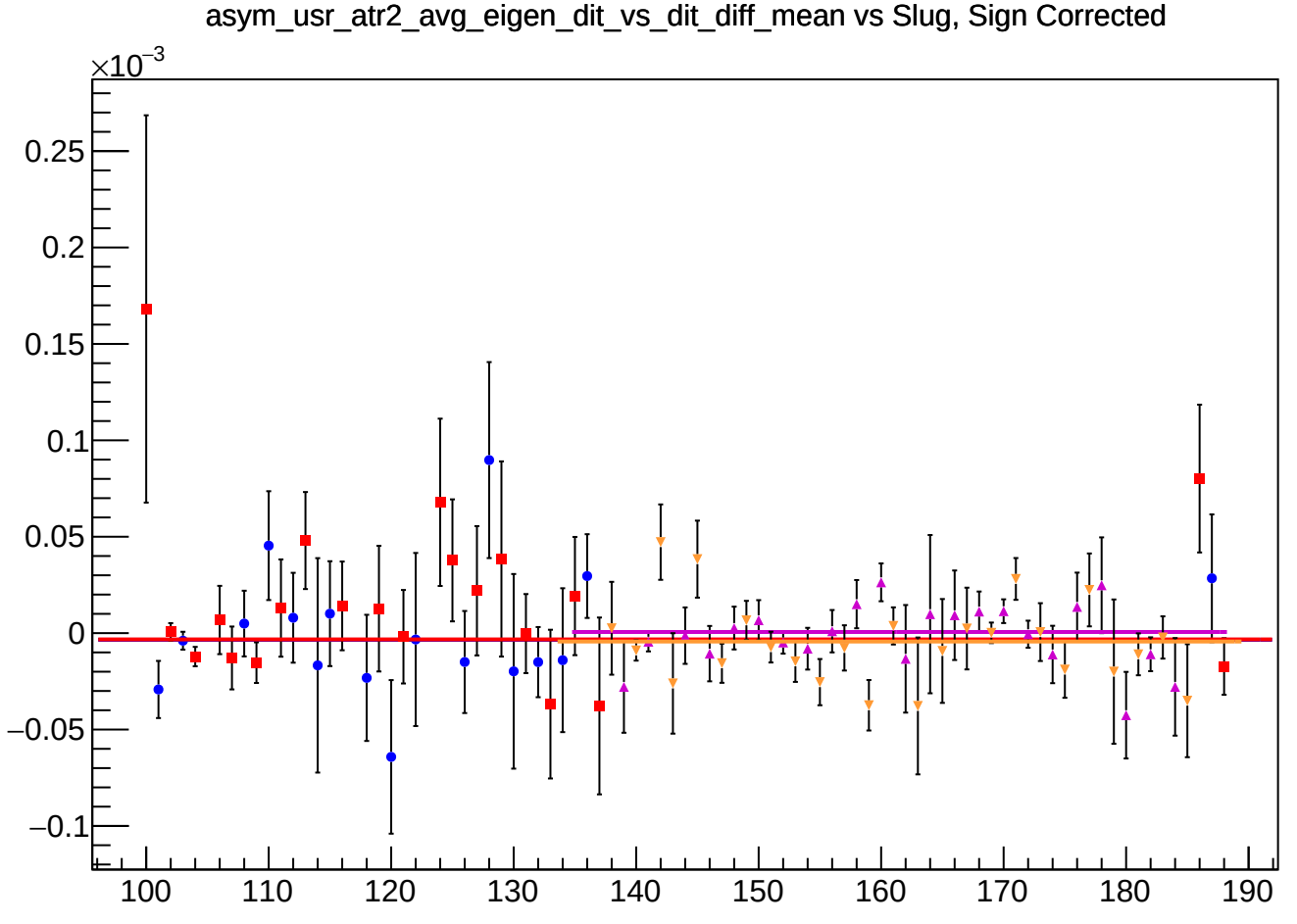
Left: 310.653+/-0.038 χ^2/NDF: 3963519.7/47

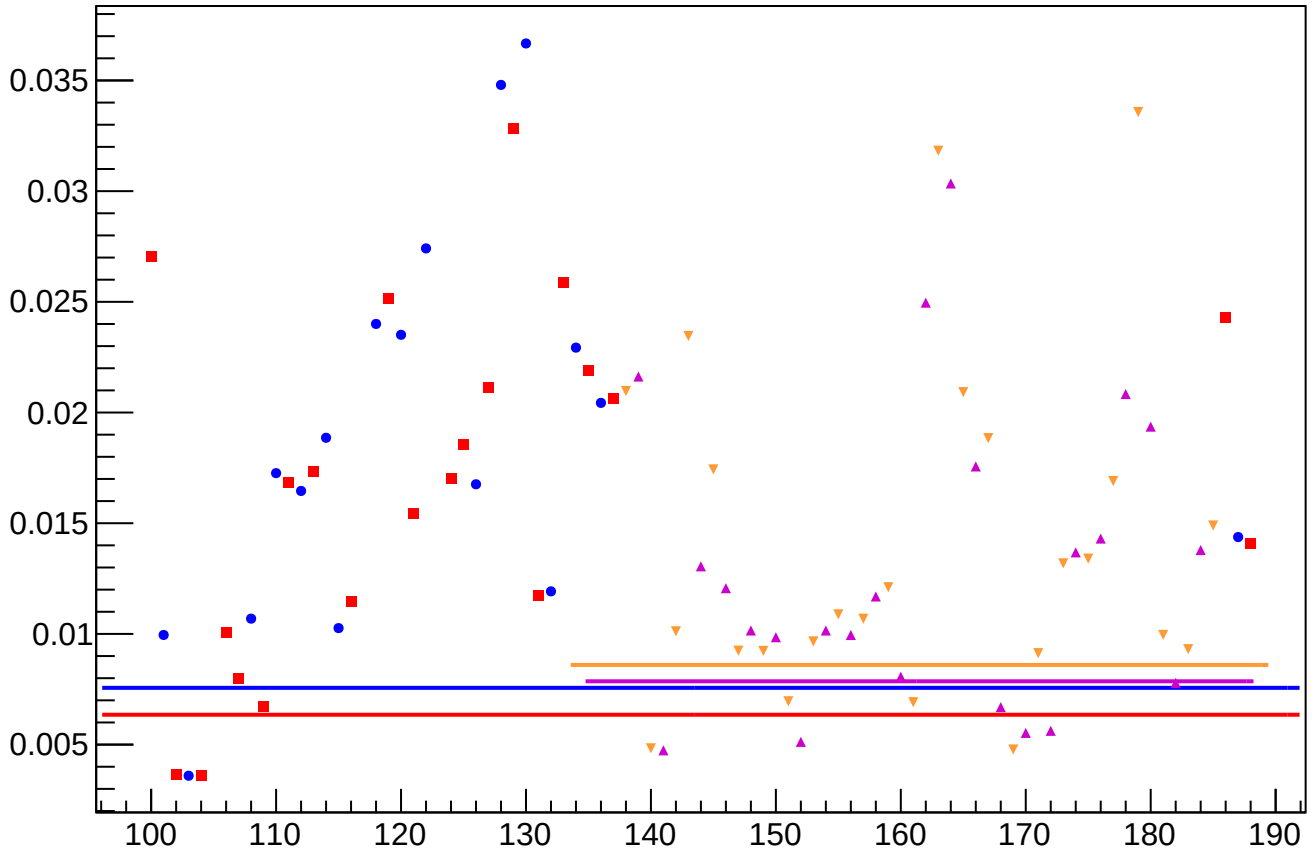
Right: 192.273+/-0.037 χ^2/NDF: 3815764.4/37

In: 268.108+/-0.040 χ^2/NDF:4153835.4/39

Out: 237.206+/-0.035 χ^2/NDF:8270382.4/45

All: 250.795+/-0.027 χ^2/NDF: 12758651.7/85


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
110
120
130
140
150
160
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 16.9/16
Left Out: -0.000+/-0.000 χ²/NDF:42.3/24
Right Out: -0.000+/-0.000 χ²/NDF: 27.3/20
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: 44.2/37
In: -0.000+/-0.000 χ²/NDF:44.3/39
Out: -0.000+/-0.000 χ²/NDF:69.7/45
All: -0.000+/-0.000 χ²/NDF: 115.9/85



Right In: 0.008+/-0.000 χ^2/NDF: 6161871.4/16

Left Out: 0.009+/-0.000 χ^2/NDF:7653564.7/24

Right Out: 0.006+/-0.000 χ^2/NDF: 6963639.9/20

Left In: 0.008+/-0.000 χ^2/NDF:6779815.5/22

Left: 0.008+/-0.000 χ^2/NDF: 14546579.4/47

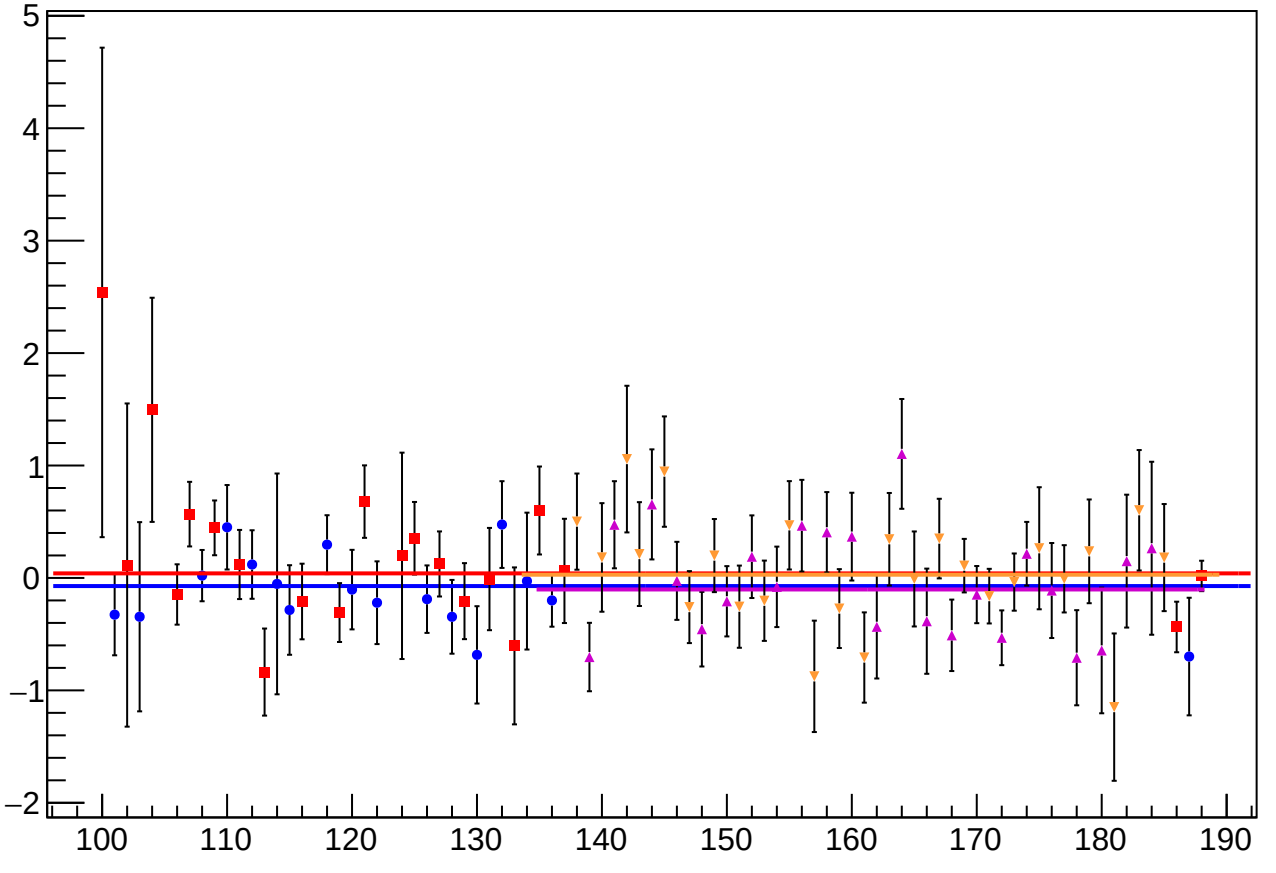
Right: 0.007+/-0.000 χ^2/NDF: 13258440.9/37

In: 0.008+/-0.000 χ^2/NDF:12950973.6/39

Out: 0.008+/-0.000 χ^2/NDF:15390922.8/45

All: 0.008+/-0.000 χ^2/NDF: 28342877.1/85

asym_usr_atr2_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.072+/-0.084 χ^2/NDF: 12.1/16

Left Out: 0.029+/-0.075 χ^2/NDF:25.3/24

Right Out: 0.041+/-0.068 χ^2/NDF: 30.5/20

Left In: -0.103+/-0.076 χ^2/NDF:32.3/22

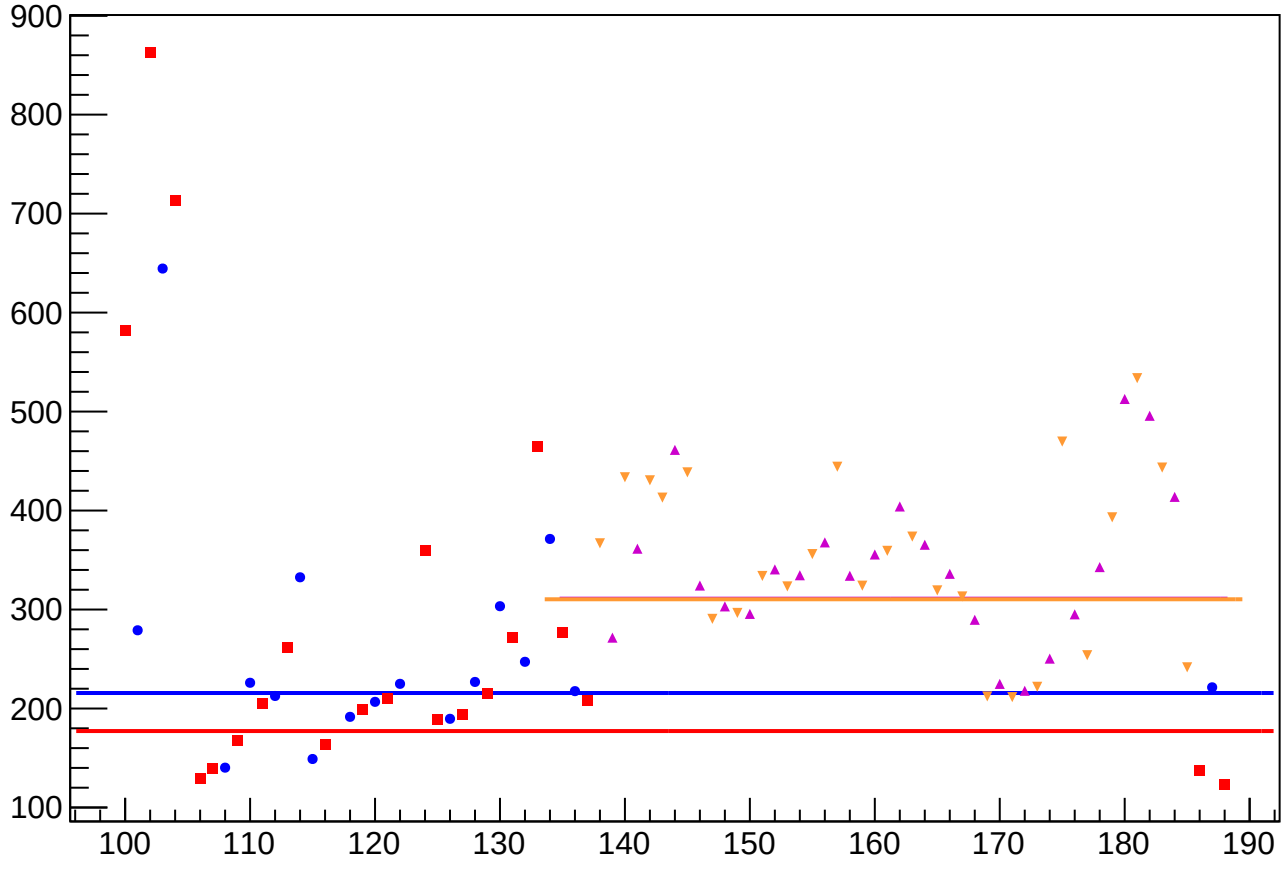
Left: -0.036+/-0.053 χ^2/NDF: 59.1/47

Right: -0.004+/-0.053 χ^2/NDF: 43.8/37

In: -0.089+/-0.057 χ^2/NDF:44.5/39

Out: 0.035+/-0.050 χ^2/NDF:55.9/45

All: -0.019+/-0.038 χ^2/NDF: 103.1/85



Right In: 215.671+/-0.060 χ^2/NDF: 1148948.3/16

Left Out: 310.362+/-0.053 χ^2/NDF:2363148.8/24

Right Out: 177.241+/-0.048 χ^2/NDF: 2414059.7/20

Left In: 310.963+/-0.054 χ^2/NDF:1600401.1/22

Left: 310.656+/-0.038 χ^2/NDF: 3963613.3/47

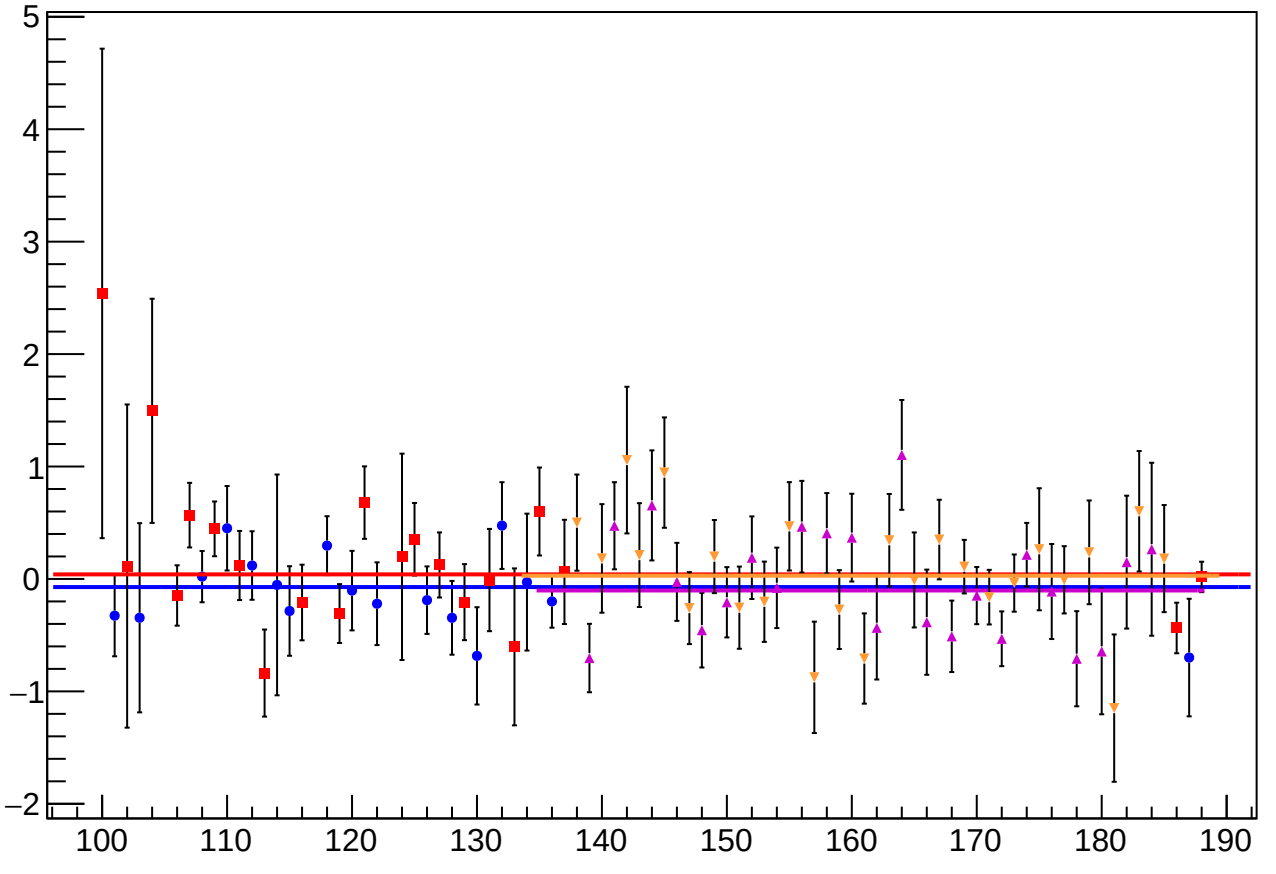
Right: 192.271+/-0.037 χ^2/NDF: 3815794.6/37

In: 268.109+/-0.040 χ^2/NDF:4153969.1/39

Out: 237.204+/-0.035 χ^2/NDF:8270779.5/45

All: 250.794+/-0.027 χ^2/NDF: 12759225.8/85

asym_usr_atr2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.072+/-0.084 χ^2/NDF: 12.1/16

Left Out: 0.029+/-0.075 χ^2/NDF:25.3/24

Right Out: 0.041+/-0.068 χ^2/NDF: 30.5/20

Left In: -0.103+/-0.076 χ^2/NDF:32.3/22

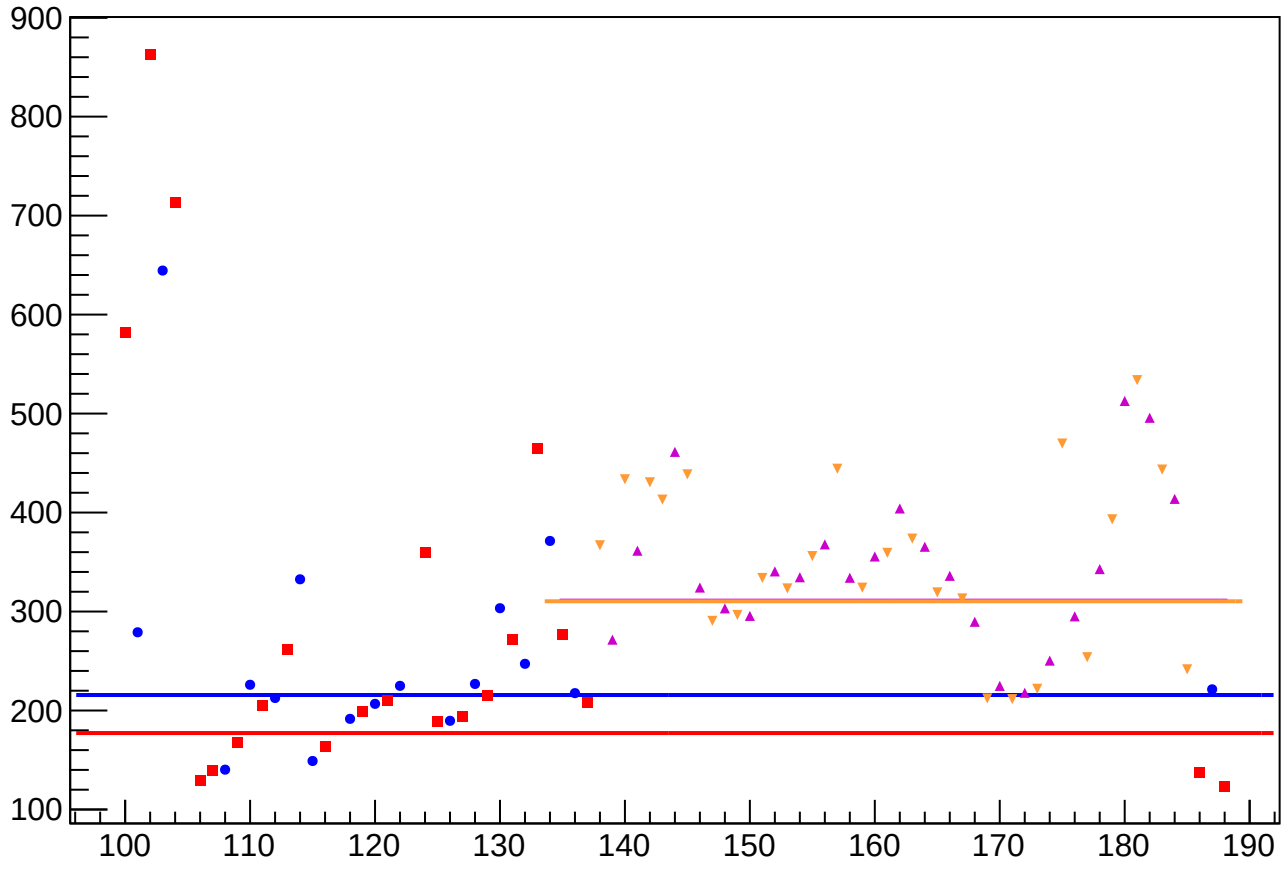
Left: -0.036+/-0.053 χ^2/NDF: 59.1/47

Right: -0.004+/-0.053 χ^2/NDF: 43.8/37

In: -0.089+/-0.057 χ^2/NDF:44.5/39

Out: 0.035+/-0.050 χ^2/NDF:55.9/45

All: -0.019+/-0.038 χ^2/NDF: 103.1/85



Right In: 215.671+/-0.060 χ^2/NDF: 1148948.3/16

Left Out: 310.362+/-0.053 χ^2/NDF:2363148.8/24

Right Out: 177.241+/-0.048 χ^2/NDF: 2414059.7/20

Left In: 310.963+/-0.054 χ^2/NDF:1600401.1/22

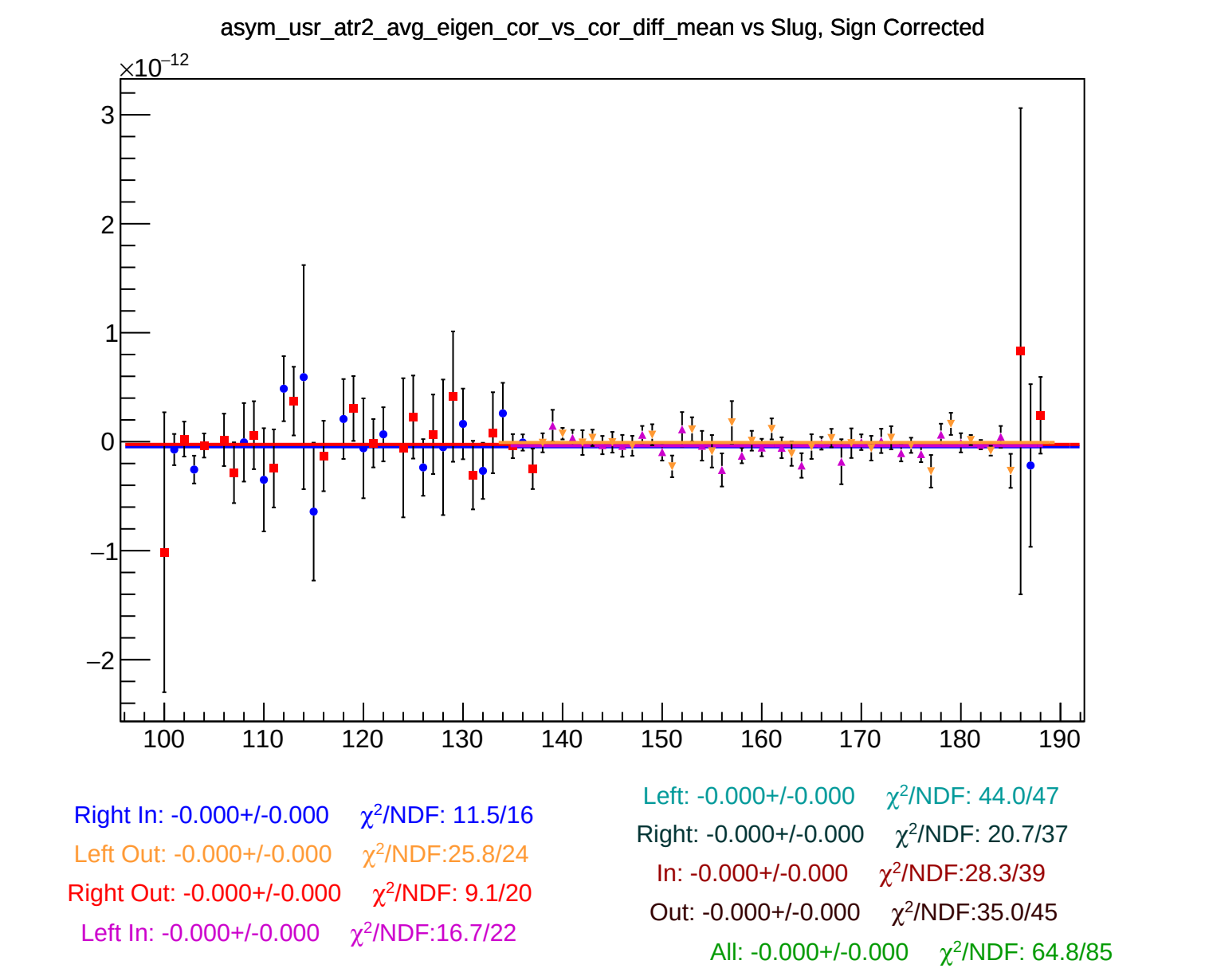
Left: 310.656+/-0.038 χ^2/NDF: 3963613.3/47

Right: 192.271+/-0.037 χ^2/NDF: 3815794.6/37

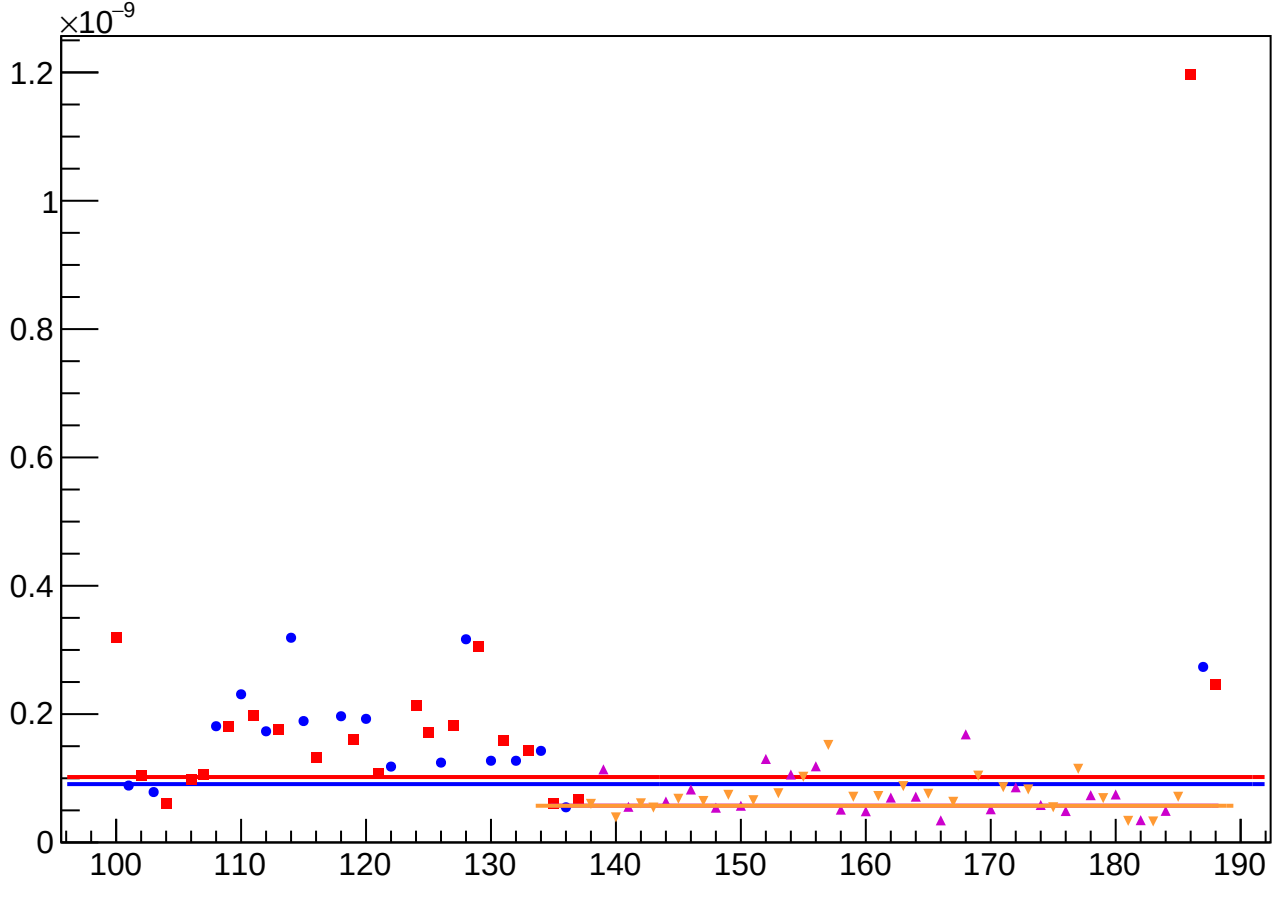
In: 268.109+/-0.040 χ^2/NDF:4153969.1/39

Out: 237.204+/-0.035 χ^2/NDF:8270779.5/45

All: 250.794+/-0.027 χ^2/NDF: 12759225.8/85


asym_usr_atr2_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
3
2
1
0
−1
−2
100
110
120
130
140
150
160
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 11.5/16
Left Out: -0.000+/-0.000 χ²/NDF:25.8/24
Right Out: -0.000+/-0.000 χ²/NDF: 9.1/20
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: 20.7/37
In: -0.000+/-0.000 χ²/NDF:28.3/39
Out: -0.000+/-0.000 χ²/NDF:35.0/45
All: -0.000+/-0.000 χ²/NDF: 64.8/85

asym_usr_atr2_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1928373.3/16

Left Out: 0.000+/-0.000 χ^2/NDF:3337849.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2523572.9/20

Left In: 0.000+/-0.000 χ^2/NDF:3299416.7/22

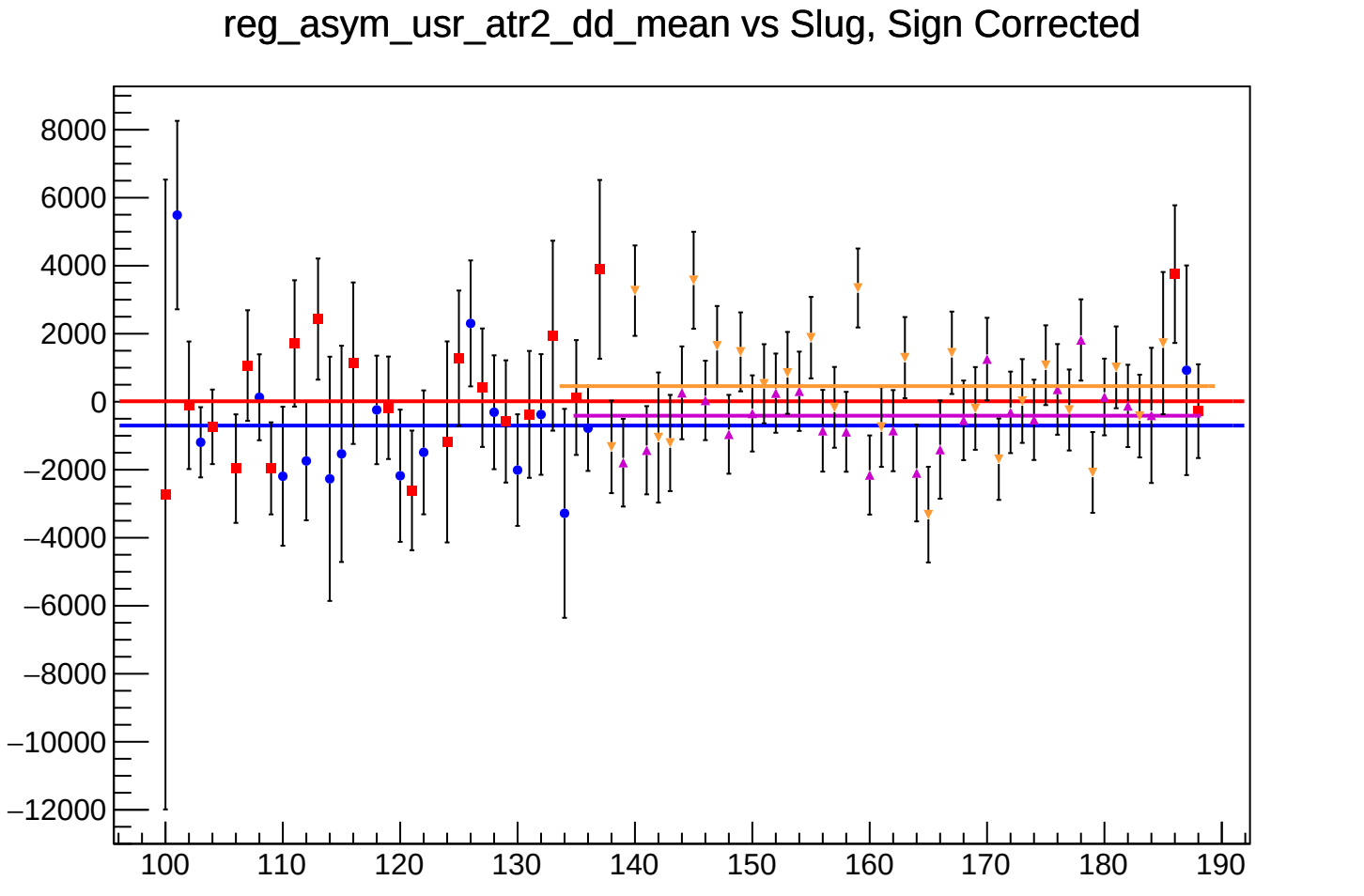
Left: 0.000+/-0.000 χ^2/NDF: 6637359.5/47

Right: 0.000+/-0.000 χ^2/NDF: 4499295.7/37

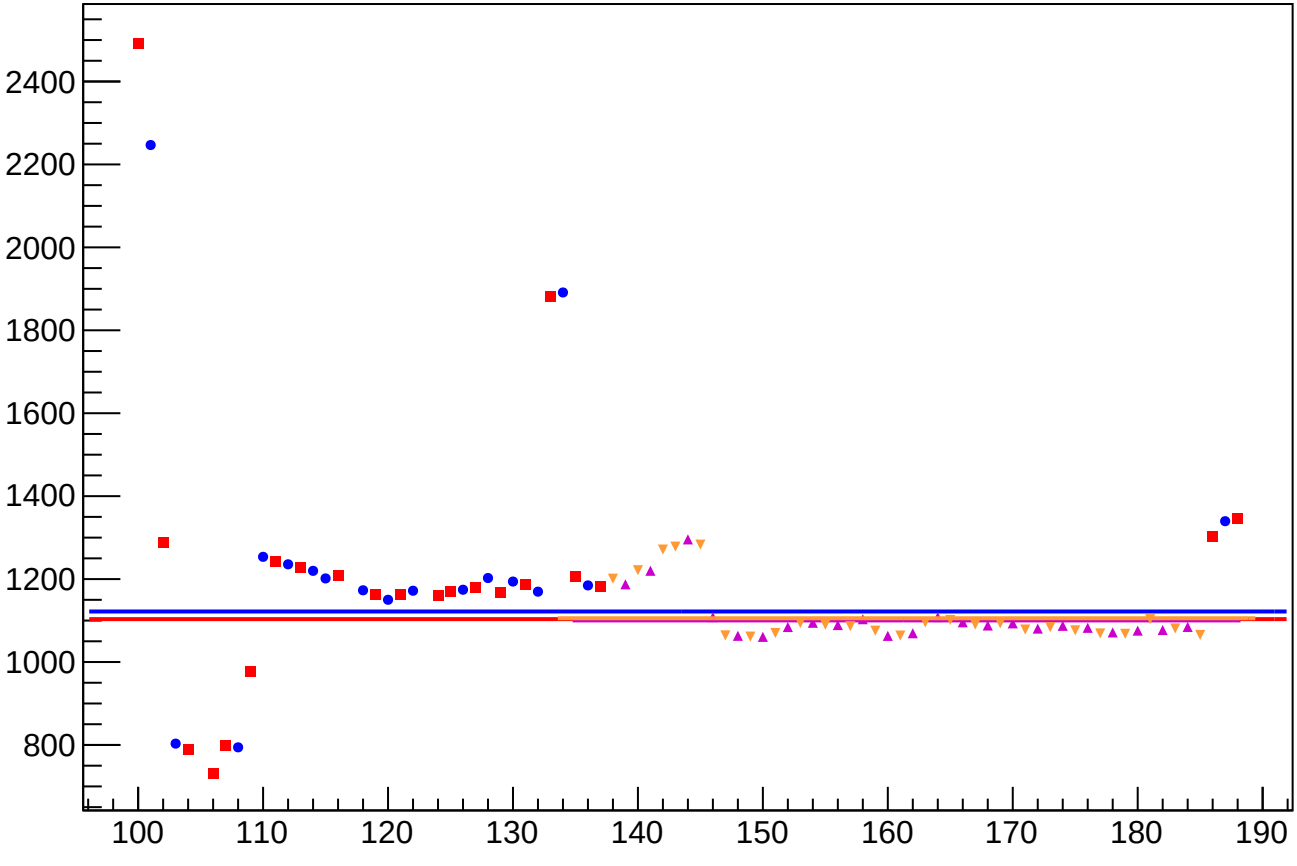
In: 0.000+/-0.000 χ^2/NDF:6034663.1/39

Out: 0.000+/-0.000 χ^2/NDF:7222378.9/45

All: 0.000+/-0.000 χ^2/NDF: 13258346.5/85


reg_asym_usr_atr2_dd_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
100
110
120
130
140
150
160
170
180
190
Right In: -701.472+/-423.335 χ²/NDF: 12.0/16
Left Out: 458.782+/-251.538 χ²/NDF:42.1/24
Right Out: 13.535+/-386.990 χ²/NDF: 16.7/20
Left In: -411.262+/-257.201 χ²/NDF:13.7/22
Left: 33.443+/-179.833 χ²/NDF: 61.6/47
Right: -311.963+/-285.630 χ²/NDF: 30.2/37
In: -489.505+/-219.812 χ²/NDF:26.0/39
Out: 326.543+/-210.902 χ²/NDF:59.7/45
All: -64.608+/-152.182 χ²/NDF: 92.8/85

reg_asym_usr_atr2_dd_rms vs Slug, Sign Corrected



Right In: 1121.870+/-0.299 χ^2/NDF: 830008.7/16

Left Out: 1105.549+/-0.178 χ^2/NDF:121950.0/24

Right Out: 1103.443+/-0.272 χ^2/NDF: 740873.4/20

Left In: 1100.350+/-0.182 χ^2/NDF:80240.5/22

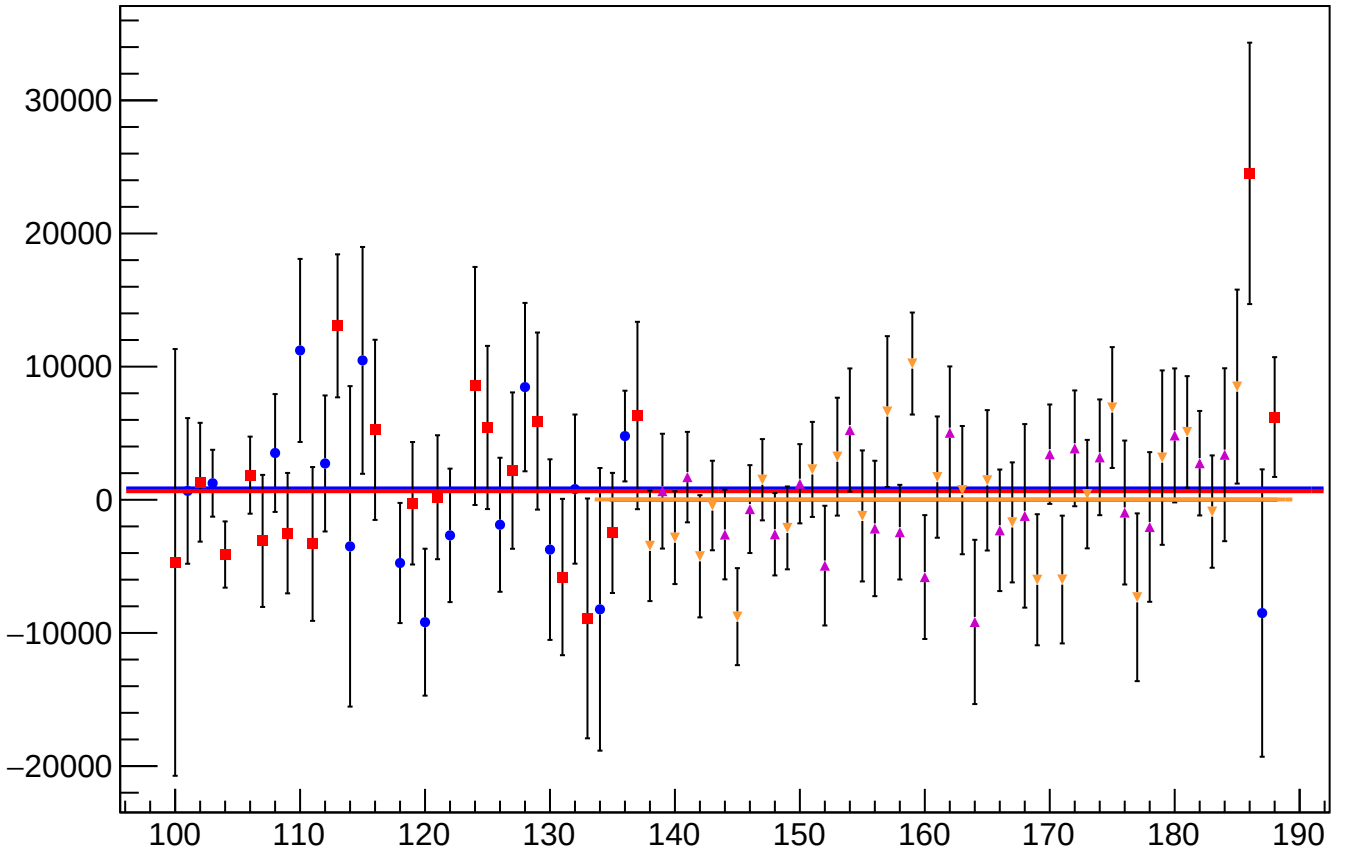
Left: 1103.007+/-0.127 χ^2/NDF: 202608.2/47

Right: 1111.764+/-0.201 χ^2/NDF: 1572960.3/37

In: 1106.152+/-0.155 χ^2/NDF:914024.1/39

Out: 1104.917+/-0.149 χ^2/NDF:862865.5/45

All: 1105.507+/-0.107 χ^2/NDF: 1776922.6/85



Right In: 851.660+/-1224.790 χ^2/NDF: 14.6/16

Left Out: 23.368+/-850.404 χ^2/NDF:28.5/24

Right Out: 645.895+/-1074.738 χ^2/NDF: 24.3/20

Left In: 6.317+/-875.256 χ^2/NDF:14.0/22

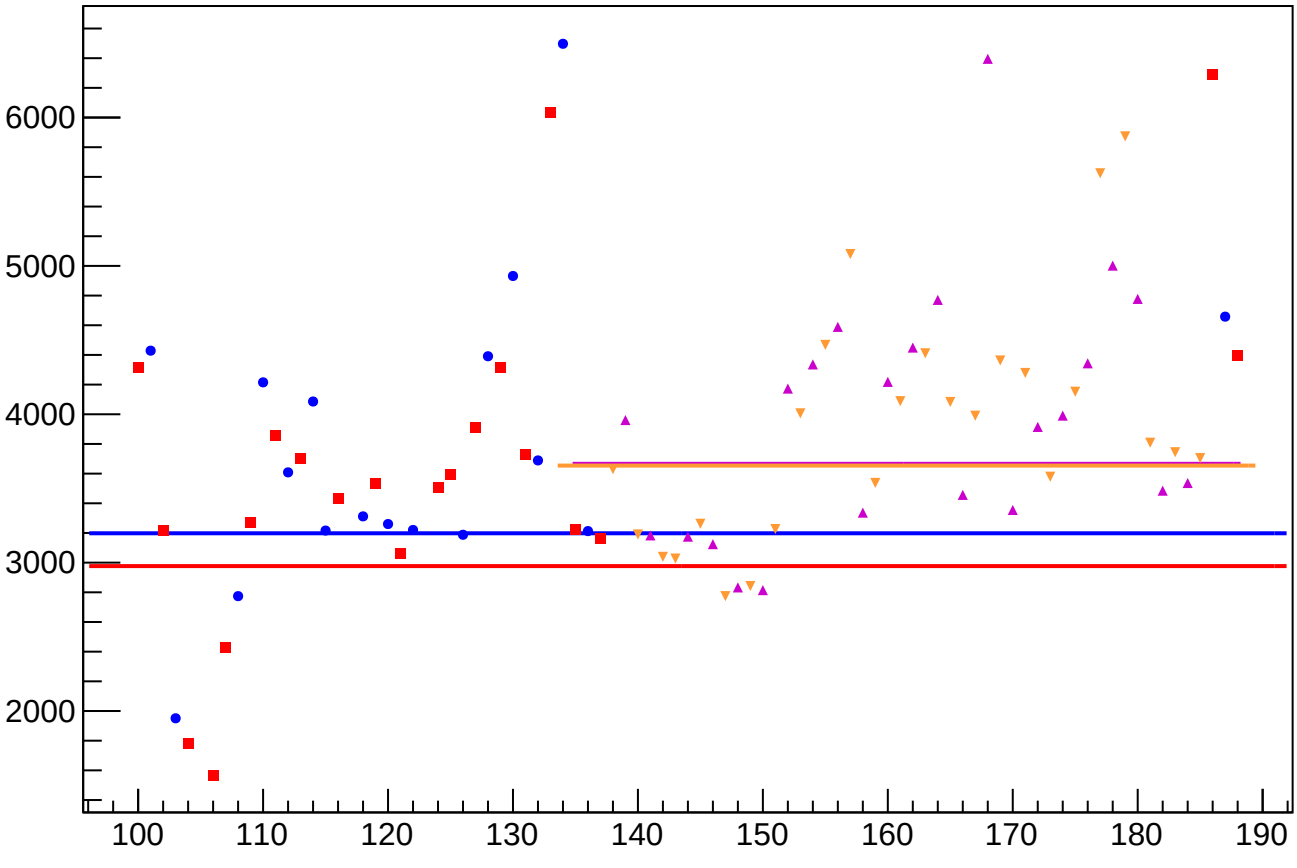
Left: 15.088+/-609.923 χ^2/NDF: 42.5/47

Right: 735.408+/-807.826 χ^2/NDF: 38.9/37

In: 292.081+/-712.113 χ^2/NDF:28.9/39

Out: 263.061+/-666.886 χ^2/NDF:53.0/45

All: 276.621+/-486.764 χ^2/NDF: 81.9/85



Right In: 3197.919+/-0.866 χ^2/NDF: 1128756.7/16

Left Out: 3654.198+/-0.601 χ^2/NDF:1311761.6/24

Right Out: 2976.700+/-0.760 χ^2/NDF: 1964931.8/20

Left In: 3666.118+/-0.619 χ^2/NDF:1343709.3/22

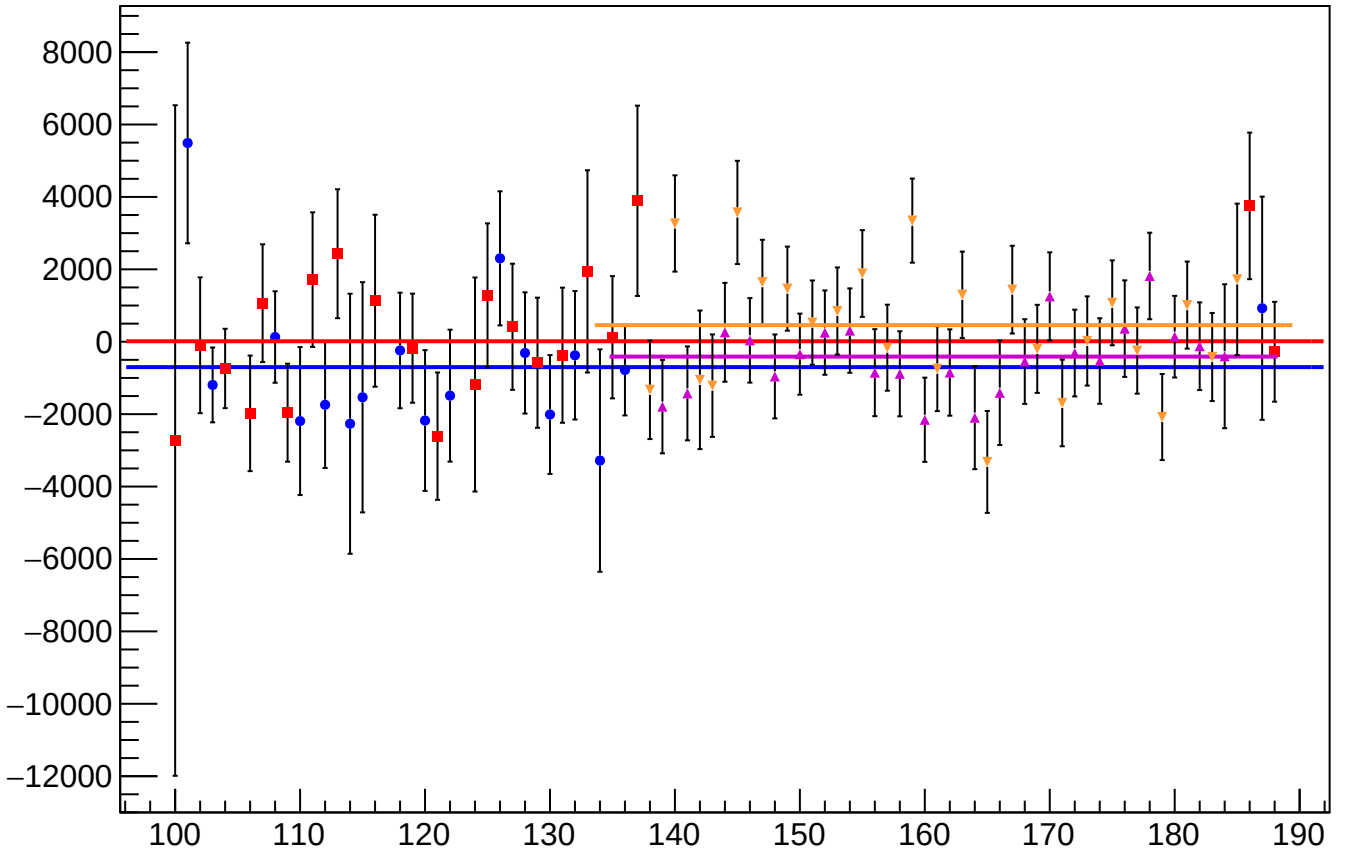
Left: 3659.986+/-0.431 χ^2/NDF: 2655661.7/47

Right: 3072.935+/-0.571 χ^2/NDF: 3130550.8/37

In: 3507.845+/-0.504 χ^2/NDF:2665928.1/39

Out: 3393.339+/-0.472 χ^2/NDF:3765450.5/45

All: 3446.841+/-0.344 χ^2/NDF: 6458928.7/85



Right In: -701.415+/-423.335 χ^2/NDF: 12.0/16

Left Out: 458.844+/-251.538 χ^2/NDF:42.1/24

Right Out: 13.295+/-386.994 χ^2/NDF: 16.7/20

Left In: -411.165+/-257.201 χ^2/NDF:13.7/22

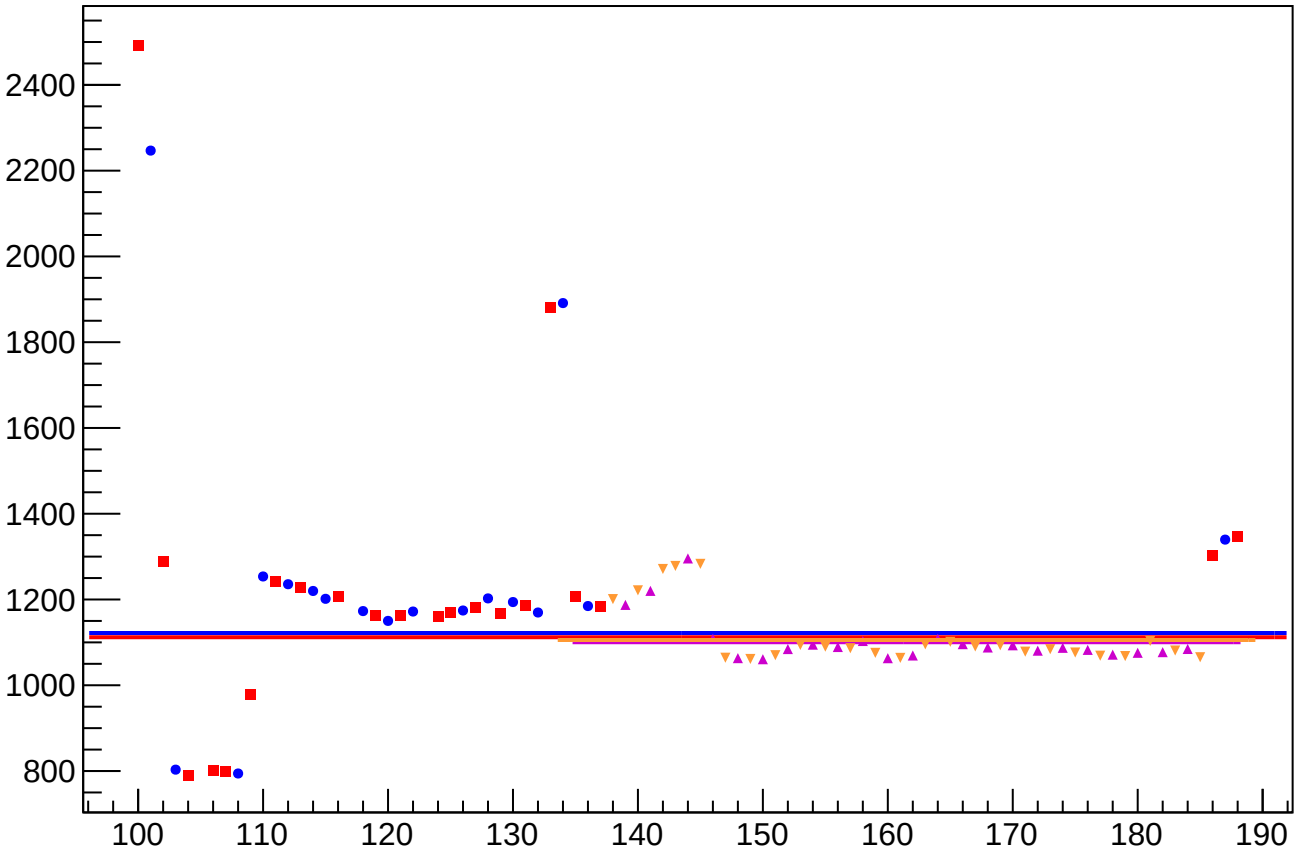
Left: 33.523+/-179.833 χ^2/NDF: 61.6/47

Right: -312.071+/-285.631 χ^2/NDF: 30.2/37

In: -489.419+/-219.812 χ^2/NDF:26.0/39

Out: 326.516+/-210.903 χ^2/NDF:59.7/45

All: -64.581+/-152.183 χ^2/NDF: 92.9/85



Right In: 1121.871+/-0.299 χ^2/NDF: 830005.2/16

Left Out: 1105.549+/-0.178 χ^2/NDF:121950.0/24

Right Out: 1111.984+/-0.273 χ^2/NDF: 679849.2/20

Left In: 1100.350+/-0.182 χ^2/NDF:80240.5/22

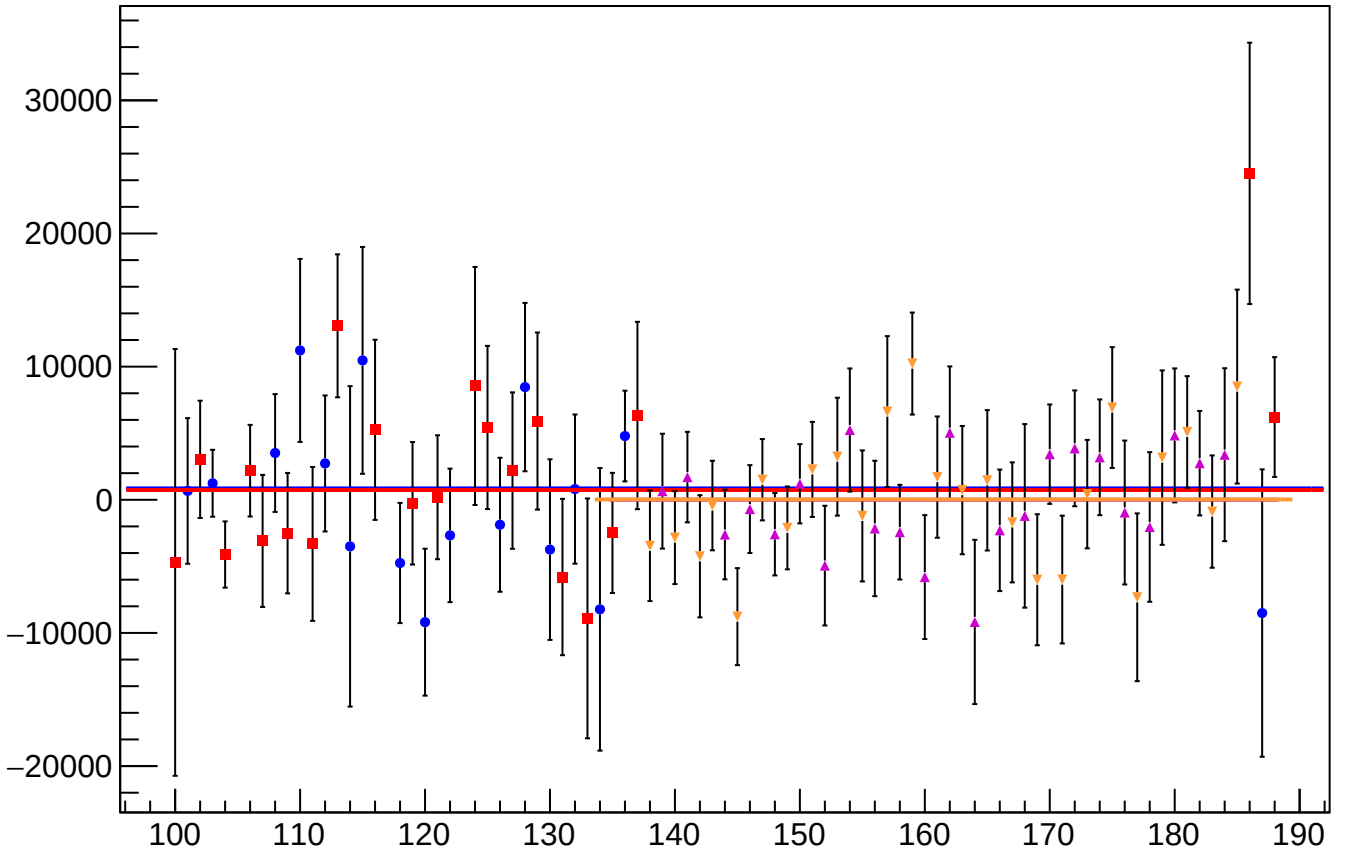
Left: 1103.007+/-0.127 χ^2/NDF: 202608.2/47

Right: 1116.476+/-0.202 χ^2/NDF: 1510449.6/37

In: 1106.152+/-0.155 χ^2/NDF:914020.9/39

Out: 1107.465+/-0.149 χ^2/NDF:802188.8/45

All: 1106.836+/-0.108 χ^2/NDF: 1716246.8/85



Right In: 851.159+/-1224.838 χ^2/NDF: 14.6/16

Left Out: 23.365+/-850.403 χ^2/NDF:28.5/24

Right Out: 737.083+/-1096.242 χ^2/NDF: 24.6/20

Left In: 6.368+/-875.255 χ^2/NDF:14.0/22

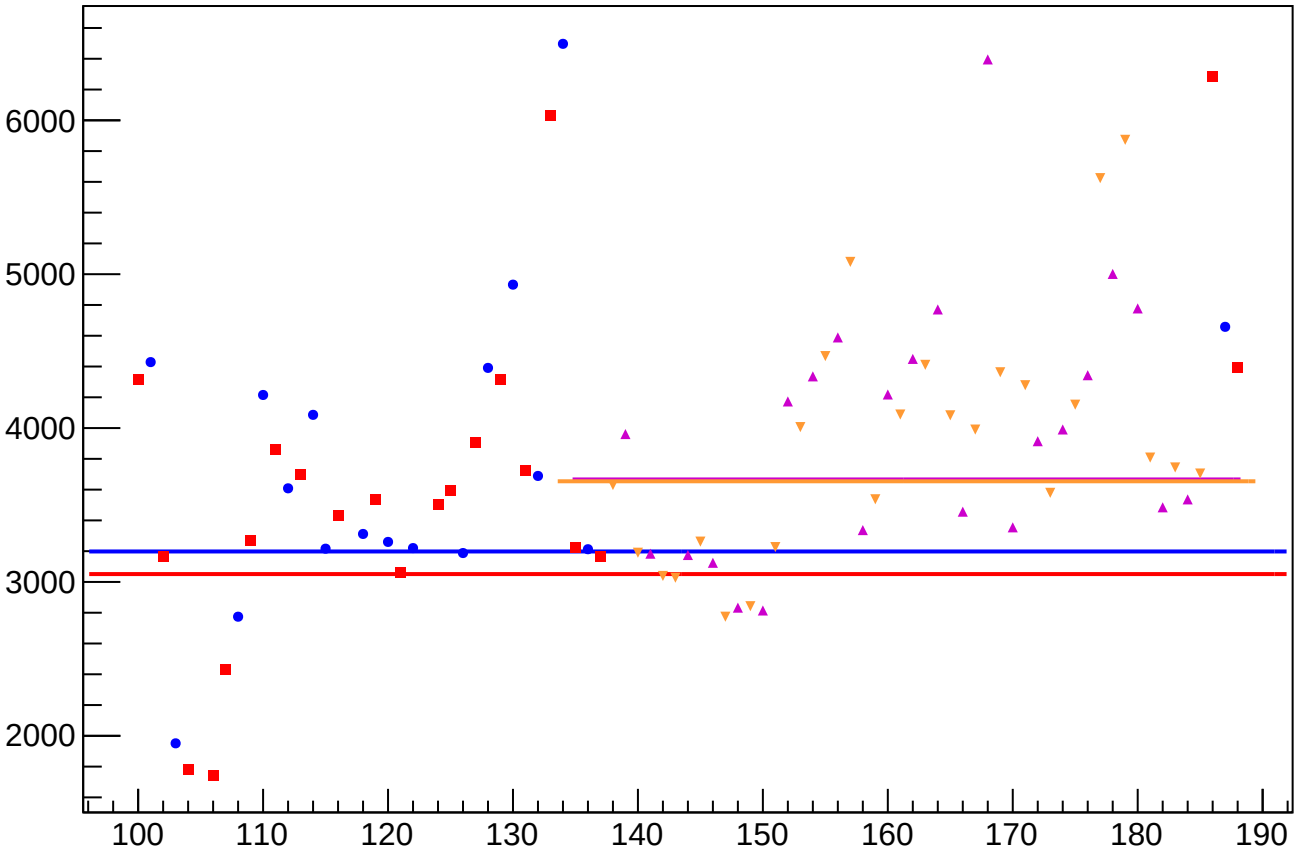
Left: 15.111+/-609.923 χ^2/NDF: 42.5/47

Right: 787.820+/-816.854 χ^2/NDF: 39.2/37

In: 291.931+/-712.122 χ^2/NDF:28.9/39

Out: 291.504+/-671.929 χ^2/NDF:53.4/45

All: 291.705+/-488.718 χ^2/NDF: 82.3/85



Right In: 3198.102+/-0.866 χ^2/NDF: 1128307.7/16

Left Out: 3654.195+/-0.601 χ^2/NDF:1311769.4/24

Right Out: 3051.203+/-0.775 χ^2/NDF: 1734998.0/20

Left In: 3666.114+/-0.619 χ^2/NDF:1343711.6/22

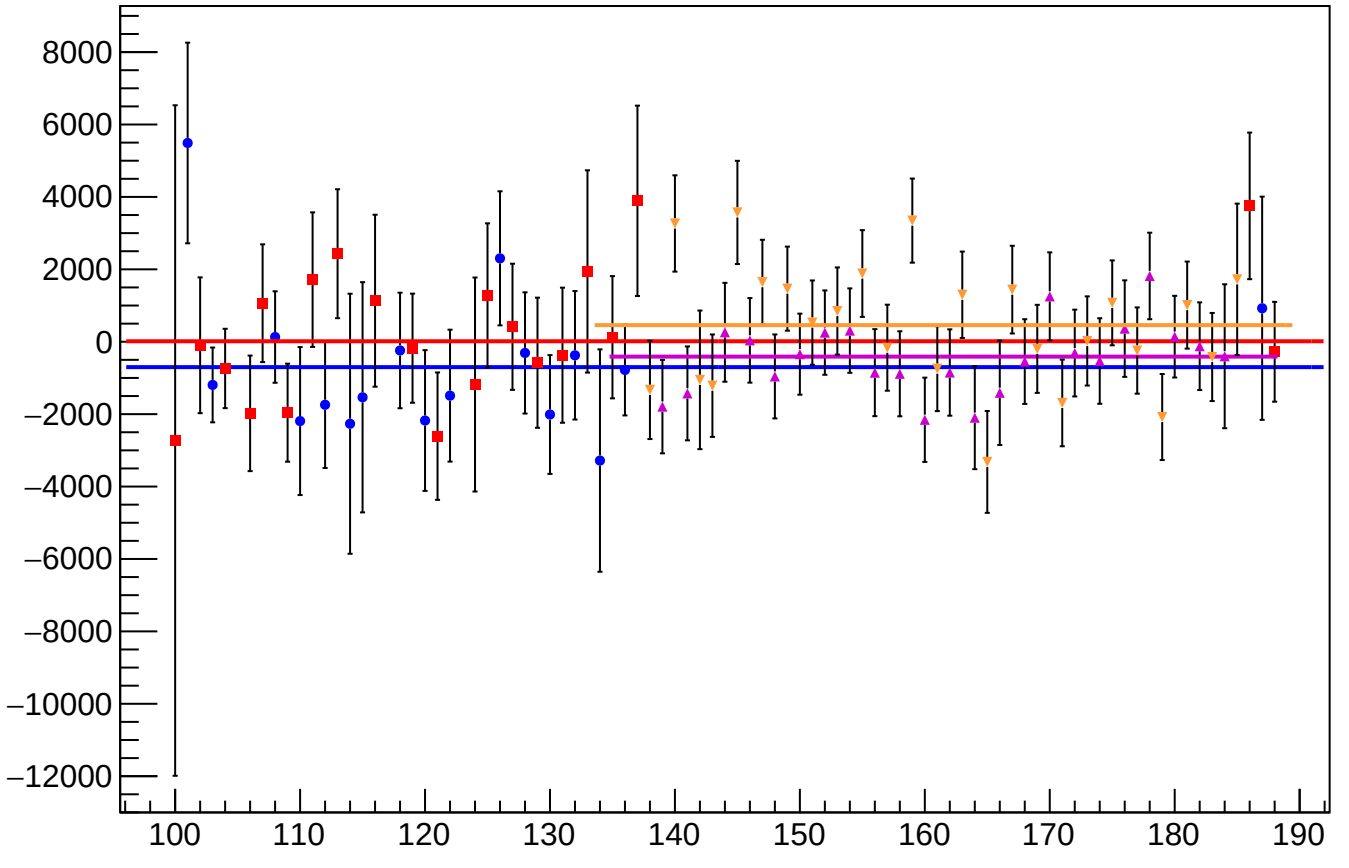
Left: 3659.983+/-0.431 χ^2/NDF: 2655671.8/47

Right: 3116.539+/-0.578 χ^2/NDF: 2879278.7/37

In: 3507.913+/-0.504 χ^2/NDF:2665317.0/39

Out: 3427.655+/-0.475 χ^2/NDF:3424546.0/45

All: 3465.455+/-0.346 χ^2/NDF: 6103302.1/85



Right In: -701.415+/-423.335 χ^2/NDF: 12.0/16

Left Out: 458.844+/-251.538 χ^2/NDF:42.1/24

Right Out: 13.295+/-386.994 χ^2/NDF: 16.7/20

Left In: -411.165+/-257.201 χ^2/NDF:13.7/22

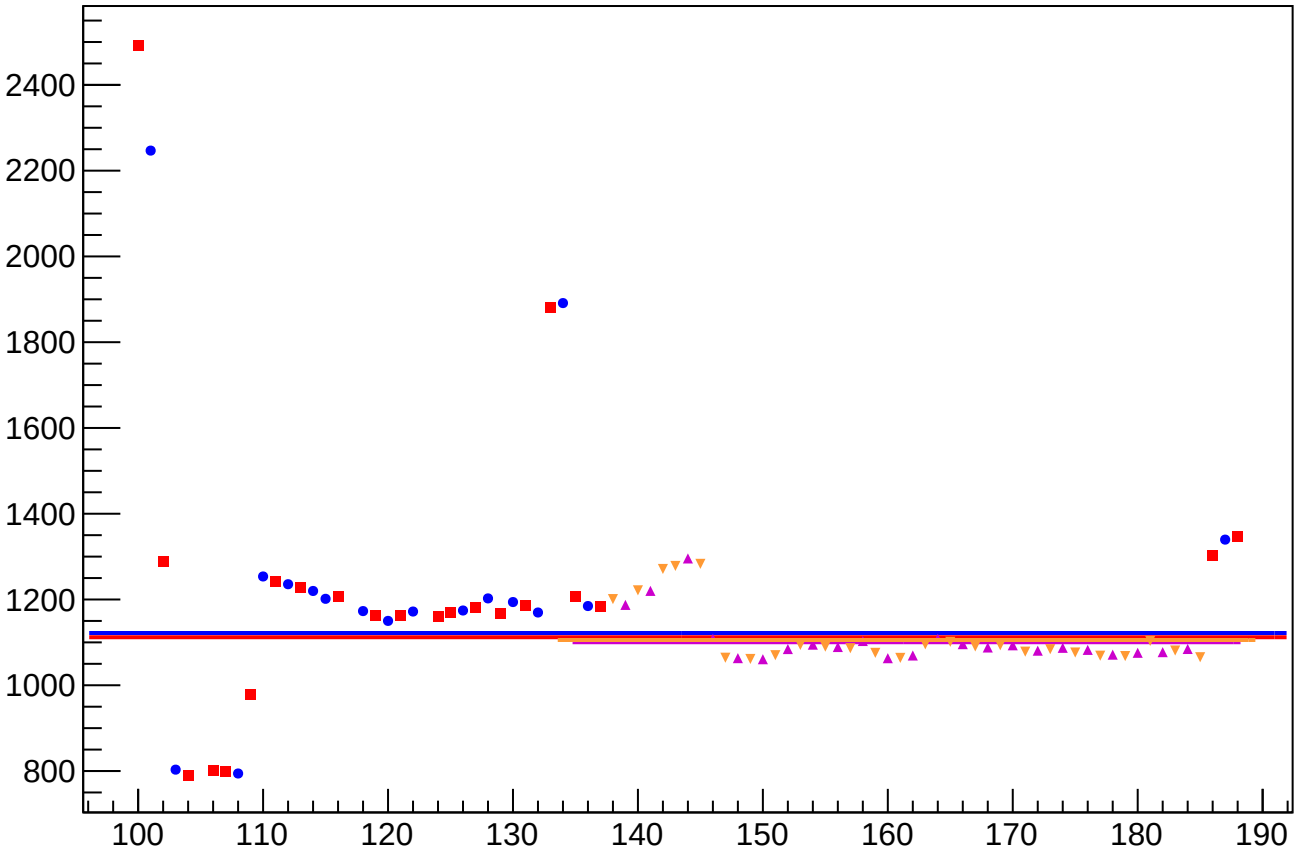
Left: 33.523+/-179.833 χ^2/NDF: 61.6/47

Right: -312.071+/-285.631 χ^2/NDF: 30.2/37

In: -489.419+/-219.812 χ^2/NDF:26.0/39

Out: 326.516+/-210.903 χ^2/NDF:59.7/45

All: -64.581+/-152.183 χ^2/NDF: 92.9/85



Right In: 1121.871+/-0.299 χ^2/NDF: 830005.2/16

Left Out: 1105.549+/-0.178 χ^2/NDF:121950.0/24

Right Out: 1111.984+/-0.273 χ^2/NDF: 679849.2/20

Left In: 1100.350+/-0.182 χ^2/NDF:80240.5/22

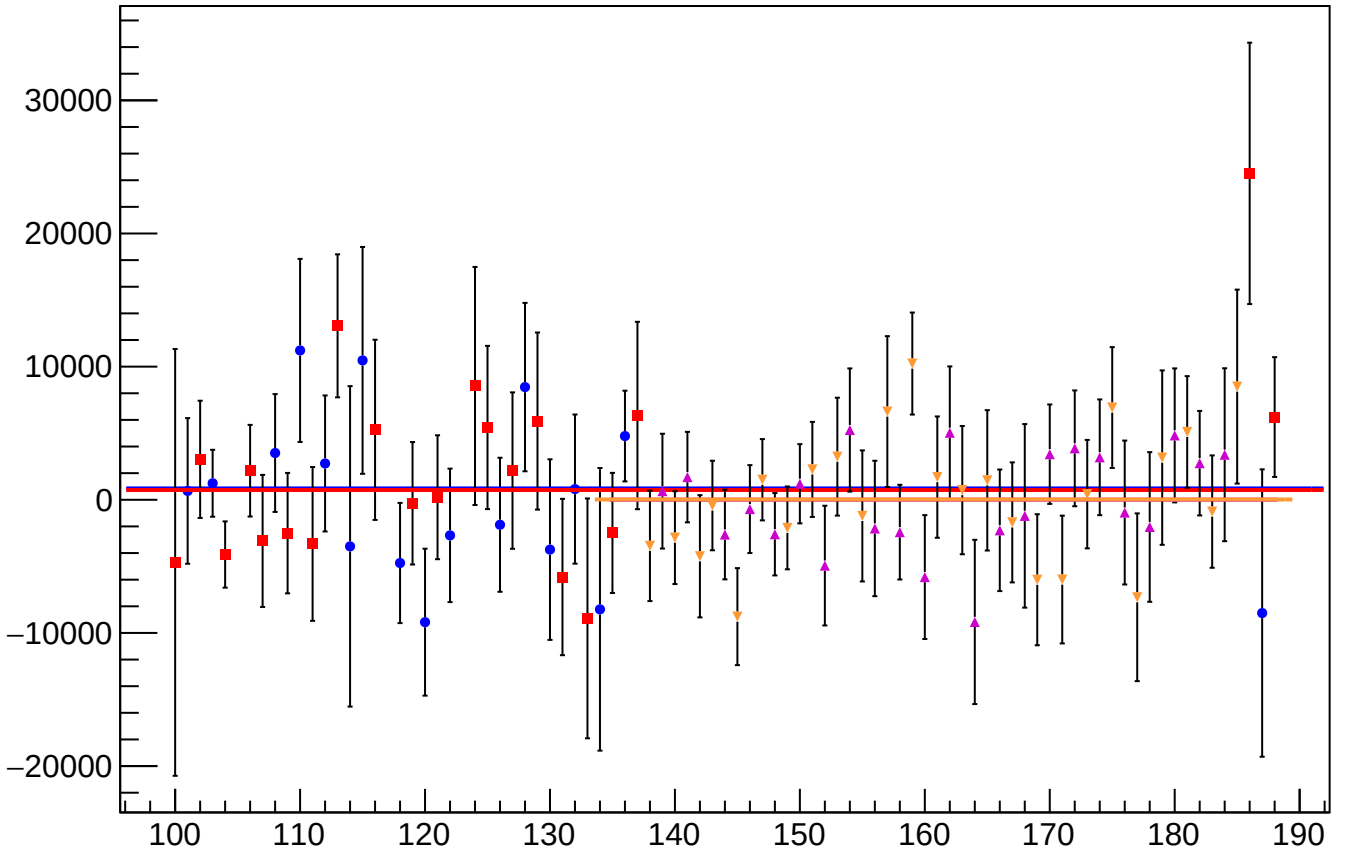
Left: 1103.007+/-0.127 χ^2/NDF: 202608.2/47

Right: 1116.476+/-0.202 χ^2/NDF: 1510449.6/37

In: 1106.152+/-0.155 χ^2/NDF:914020.9/39

Out: 1107.465+/-0.149 χ^2/NDF:802188.8/45

All: 1106.836+/-0.108 χ^2/NDF: 1716246.8/85



Right In: 851.159+/-1224.838 χ^2/NDF: 14.6/16

Left Out: 23.365+/-850.403 χ^2/NDF:28.5/24

Right Out: 737.083+/-1096.242 χ^2/NDF: 24.6/20

Left In: 6.368+/-875.255 χ^2/NDF:14.0/22

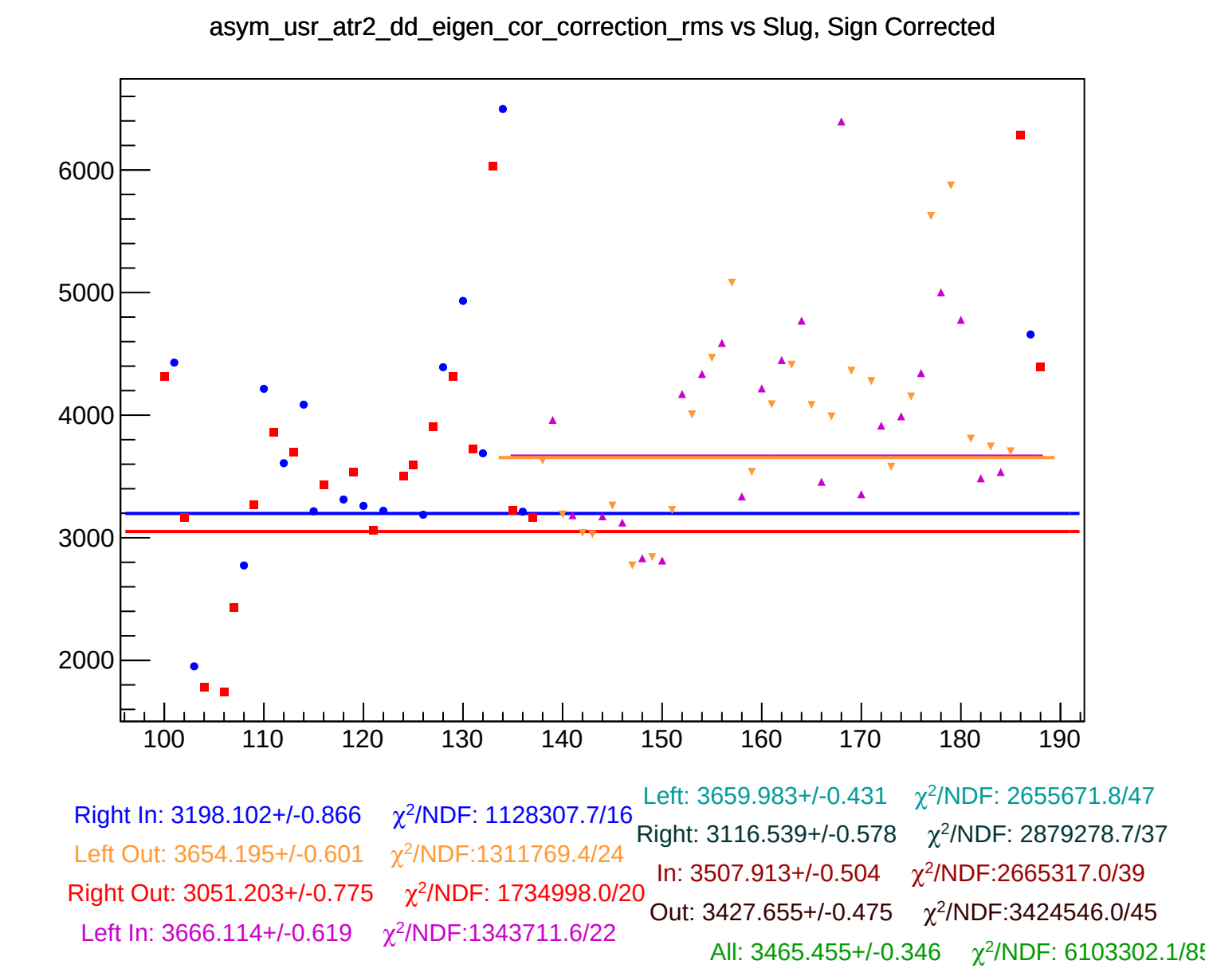
Left: 15.111+/-609.923 χ^2/NDF: 42.5/47

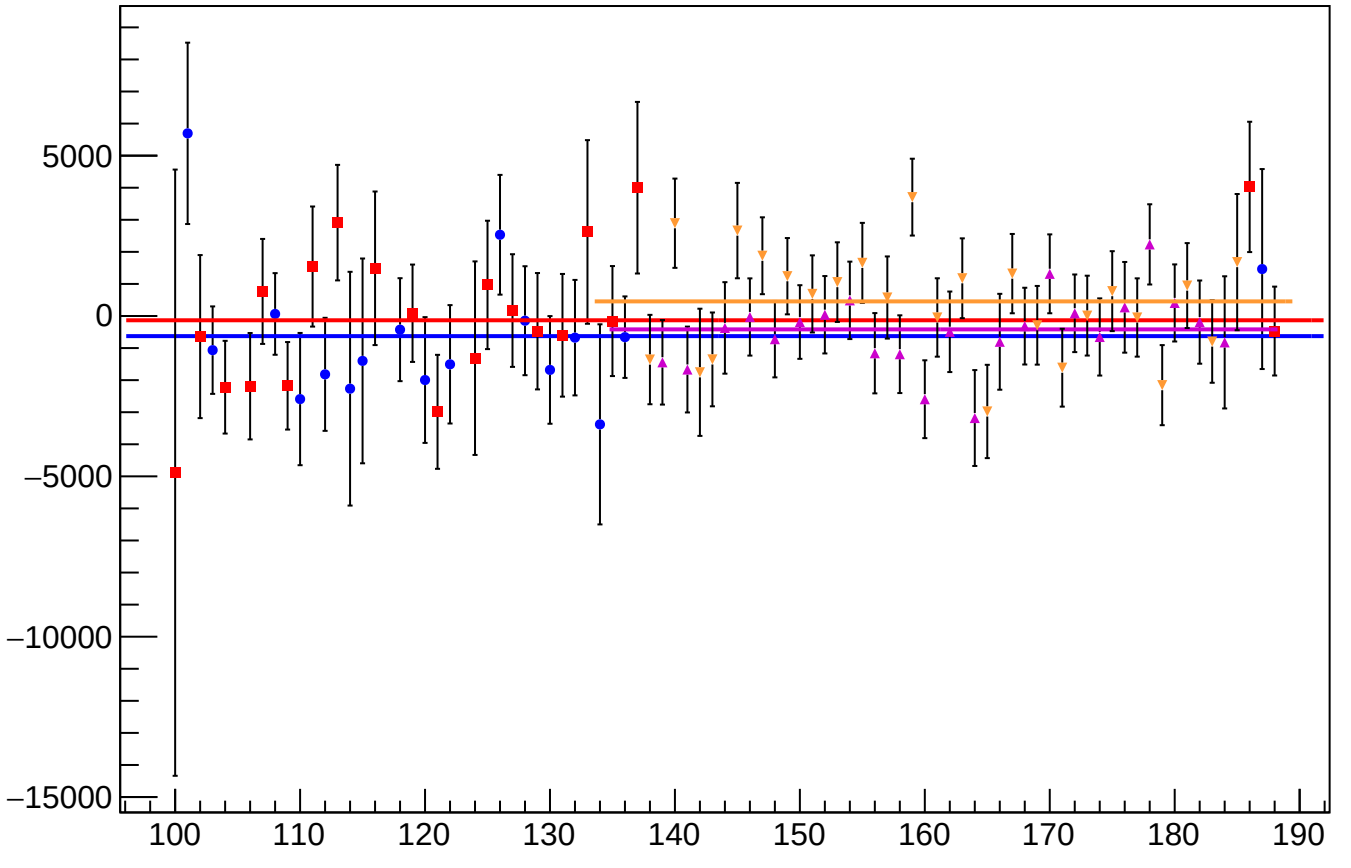
Right: 787.820+/-816.854 χ^2/NDF: 39.2/37

In: 291.931+/-712.122 χ^2/NDF:28.9/39

Out: 291.504+/-671.929 χ^2/NDF:53.4/45

All: 291.705+/-488.718 χ^2/NDF: 82.3/85


asym_usr_atr2_dd_eigen_cor_correction_rms vs Slug, Sign Corrected
6000
5000
4000
3000
2000
100
110
120
130
140
150
160
170
180
190
Right In: 3198.102+/-0.866 χ²/NDF: 1128307.7/16
Left Out: 3654.195+/-0.601 χ²/NDF:1311769.4/24
Right Out: 3051.203+/-0.775 χ²/NDF: 1734998.0/20
Left In: 3666.114+/-0.619 χ²/NDF:1343711.6/22
Left: 3659.983+/-0.431 χ²/NDF: 2655671.8/47
Right: 3116.539+/-0.578 χ²/NDF: 2879278.7/37
In: 3507.913+/-0.504 χ²/NDF:2665317.0/39
Out: 3427.655+/-0.475 χ²/NDF:3424546.0/45
All: 3465.455+/-0.346 χ²/NDF: 6103302.1/85



Right In: -627.541+/-443.931 χ^2/NDF: 12.3/16

Left Out: 455.711+/-261.005 χ^2/NDF:36.1/24

Right Out: -133.301+/-406.163 χ^2/NDF: 21.3/20

Left In: -417.202+/-266.582 χ^2/NDF:17.3/22

Left: 28.481+/-186.499 χ^2/NDF: 59.0/47

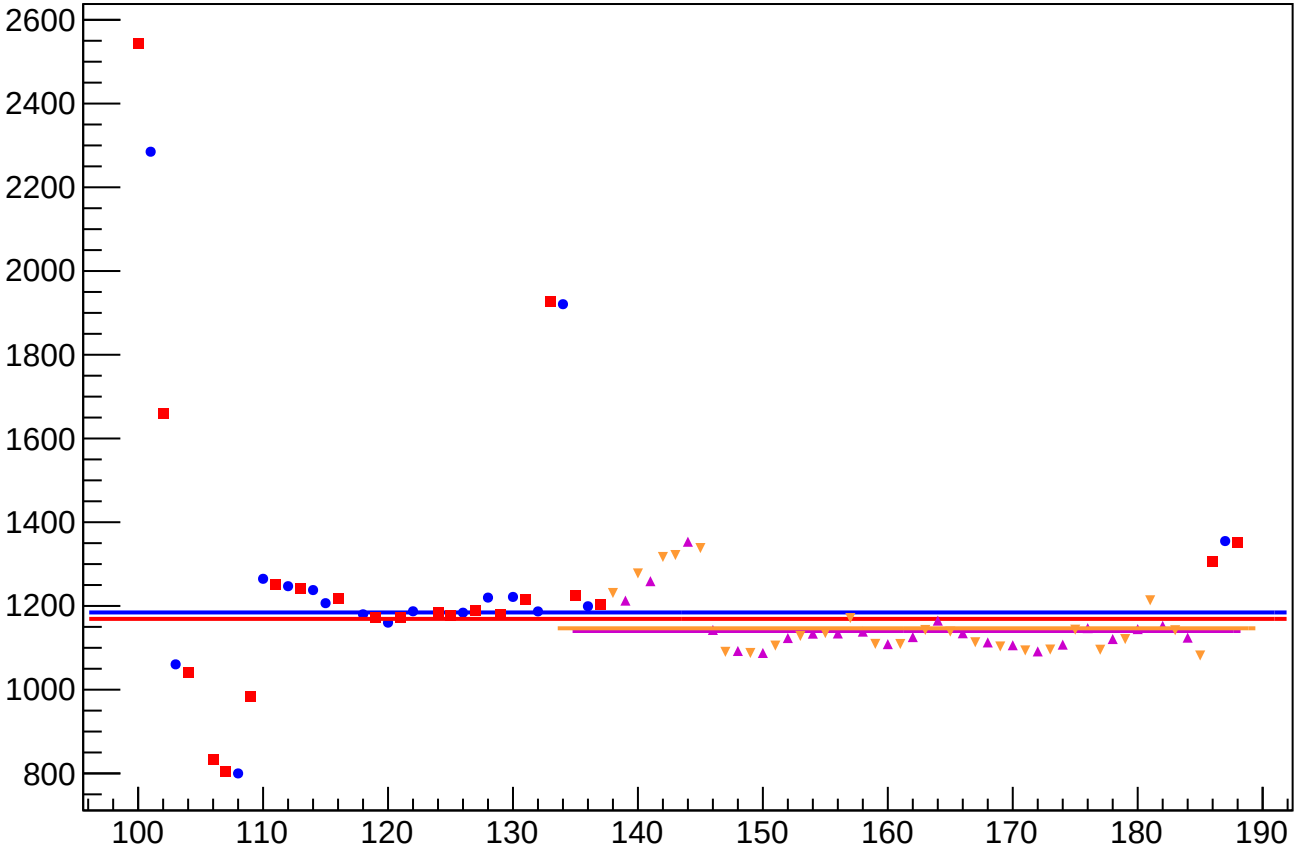
Right: -358.507+/-299.665 χ^2/NDF: 34.3/37

In: -472.949+/-228.542 χ^2/NDF:29.8/39

Out: 283.566+/-219.577 χ^2/NDF:58.9/45

All: -79.563+/-158.339 χ^2/NDF: 94.5/85

dit_asym_usr_atr2_dd_rms vs Slug, Sign Corrected



Right In: 1184.483+/-0.314 χ^2/NDF: 627982.6/16

Left Out: 1146.614+/-0.185 χ^2/NDF:141015.8/24

Right Out: 1169.110+/-0.287 χ^2/NDF: 548348.8/20

Left In: 1140.168+/-0.189 χ^2/NDF:84737.4/22

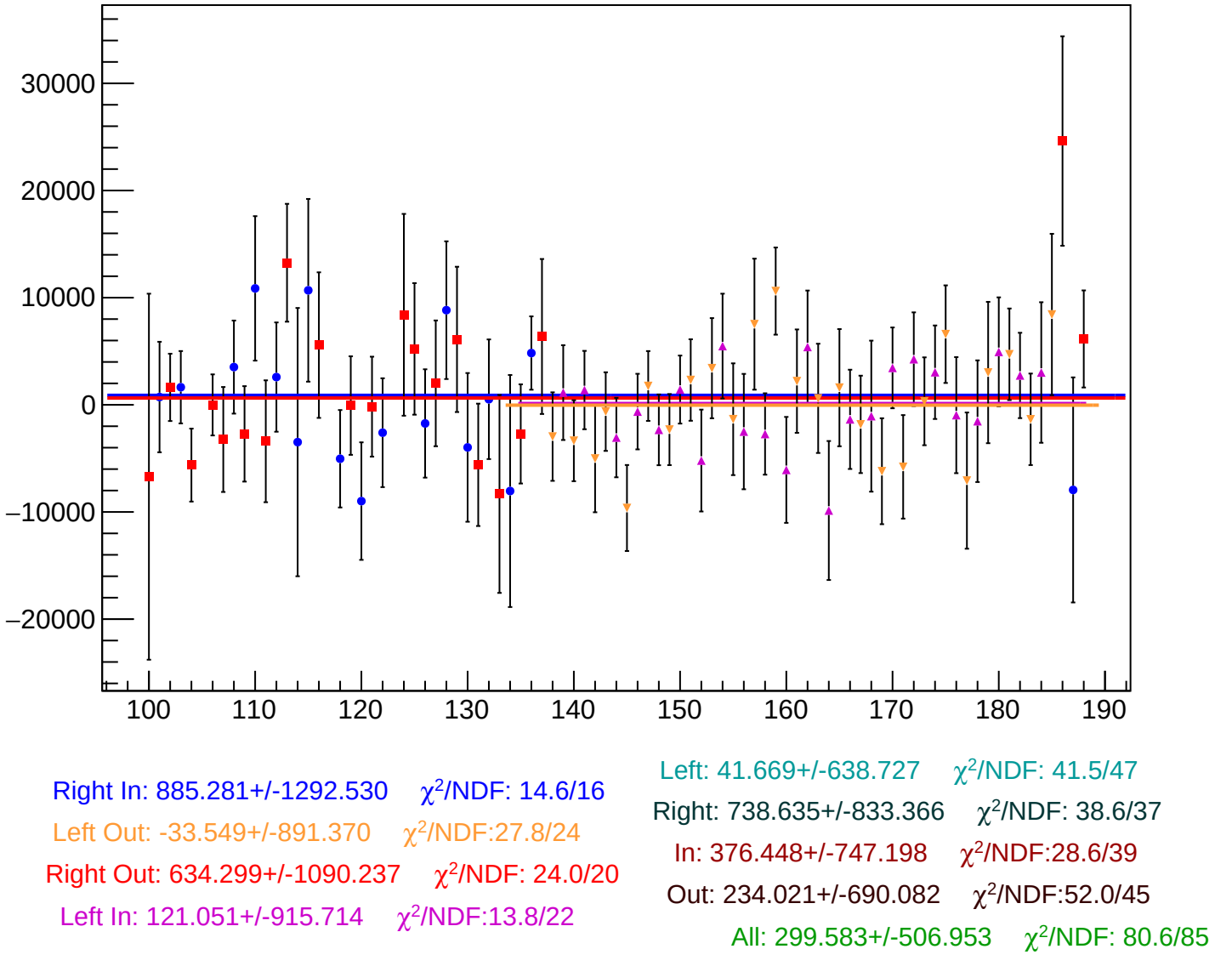
Left: 1143.459+/-0.132 χ^2/NDF: 226350.2/47

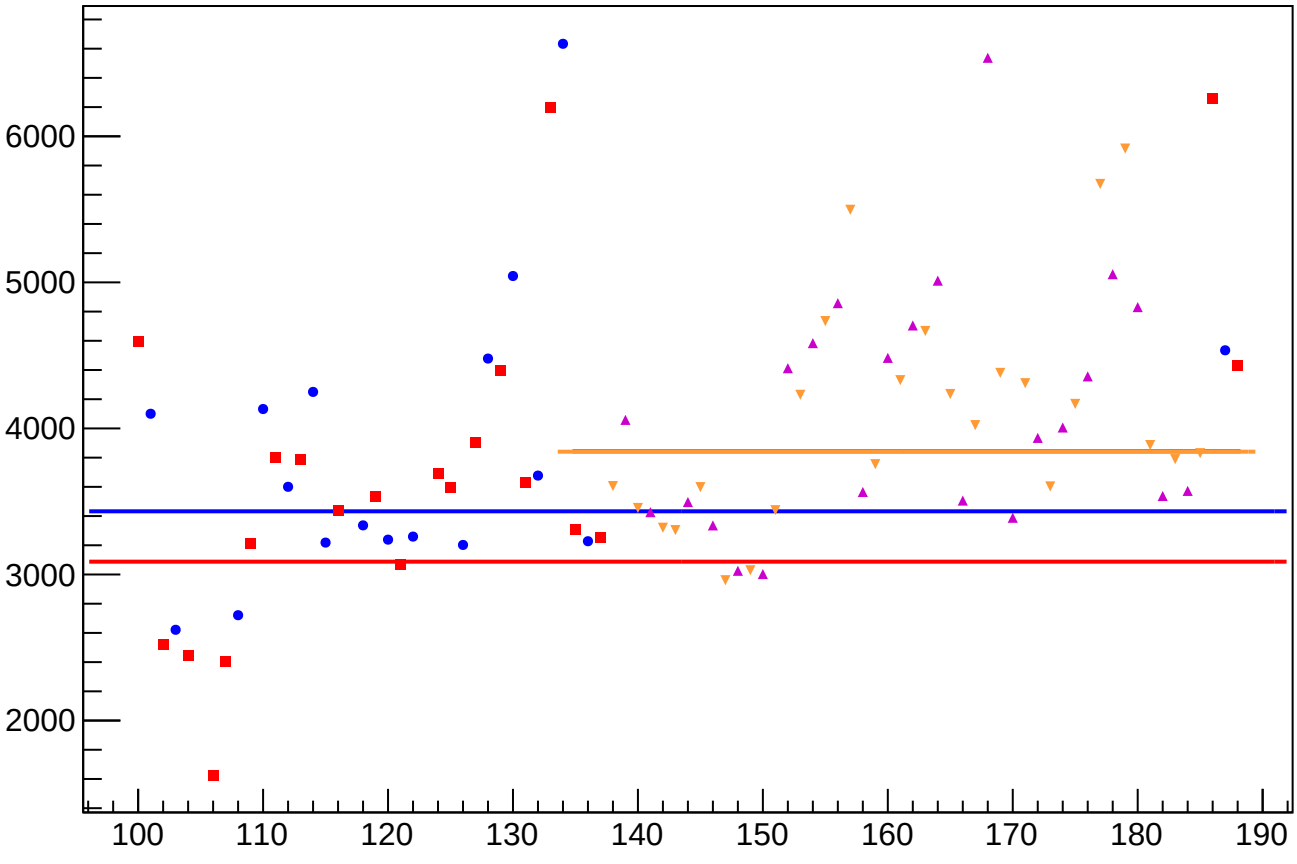
Right: 1176.112+/-0.212 χ^2/NDF: 1177637.5/37

In: 1151.913+/-0.162 χ^2/NDF:727367.8/39

Out: 1153.192+/-0.155 χ^2/NDF:693709.4/45

All: 1152.578+/-0.112 χ^2/NDF: 1421109.8/85


asym_usr_atr2_dd_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
170
180
190
Right In: 885.281+/-1292.530 χ²/NDF: 14.6/16
Left Out: -33.549+/-891.370 χ²/NDF:27.8/24
Right Out: 634.299+/-1090.237 χ²/NDF: 24.0/20
Left In: 121.051+/-915.714 χ²/NDF:13.8/22
Left: 41.669+/-638.727 χ²/NDF: 41.5/47
Right: 738.635+/-833.366 χ²/NDF: 38.6/37
In: 376.448+/-747.198 χ²/NDF:28.6/39
Out: 234.021+/-690.082 χ²/NDF:52.0/45
All: 299.583+/-506.953 χ²/NDF: 80.6/85



Right In: 3432.549+/-0.914 χ^2/NDF: 614720.4/16

Left Out: 3840.830+/-0.630 χ^2/NDF:1118666.6/24

Right Out: 3087.789+/-0.771 χ^2/NDF: 1579665.9/20

Left In: 3843.328+/-0.648 χ^2/NDF:1196057.8/22

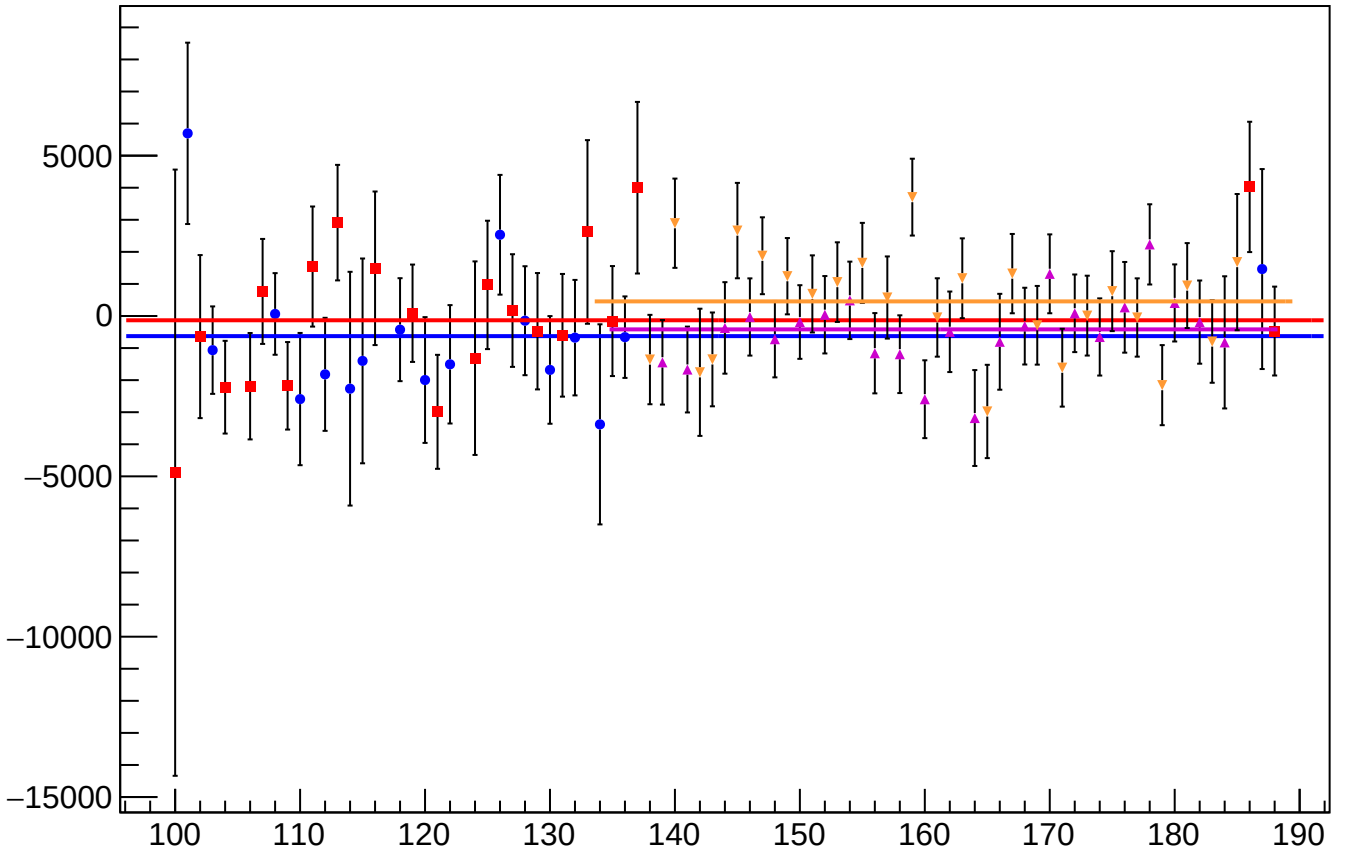
Left: 3842.046+/-0.452 χ^2/NDF: 2314732.0/47

Right: 3231.109+/-0.589 χ^2/NDF: 2277526.6/37

In: 3706.051+/-0.528 χ^2/NDF:1945276.5/39

Out: 3539.128+/-0.488 χ^2/NDF:3270219.7/45

All: 3615.967+/-0.358 χ^2/NDF: 5269363.0/85



Right In: -627.546+/-443.931 χ^2/NDF: 12.3/16

Left Out: 455.716+/-261.006 χ^2/NDF:36.1/24

Right Out: -133.307+/-406.163 χ^2/NDF: 21.3/20

Left In: -417.201+/-266.583 χ^2/NDF:17.3/22

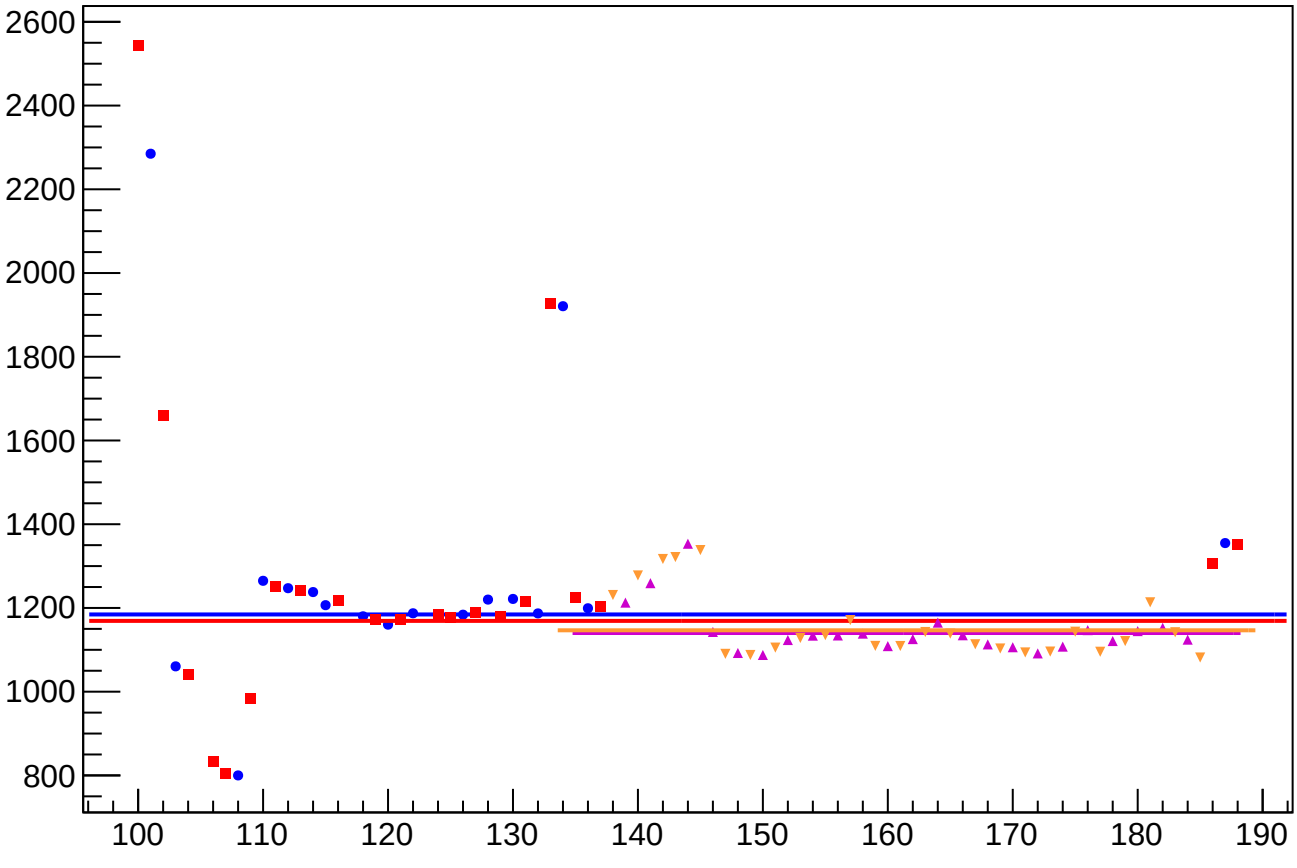
Left: 28.484+/-186.499 χ^2/NDF: 59.0/47

Right: -358.512+/-299.665 χ^2/NDF: 34.3/37

In: -472.949+/-228.542 χ^2/NDF:29.8/39

Out: 283.567+/-219.577 χ^2/NDF:58.9/45

All: -79.562+/-158.339 χ^2/NDF: 94.5/85



Right In: 1184.483+/-0.314 χ^2/NDF: 627982.8/16

Left Out: 1146.614+/-0.185 χ^2/NDF:141015.8/24

Right Out: 1169.110+/-0.287 χ^2/NDF: 548348.4/20

Left In: 1140.169+/-0.189 χ^2/NDF:84737.2/22

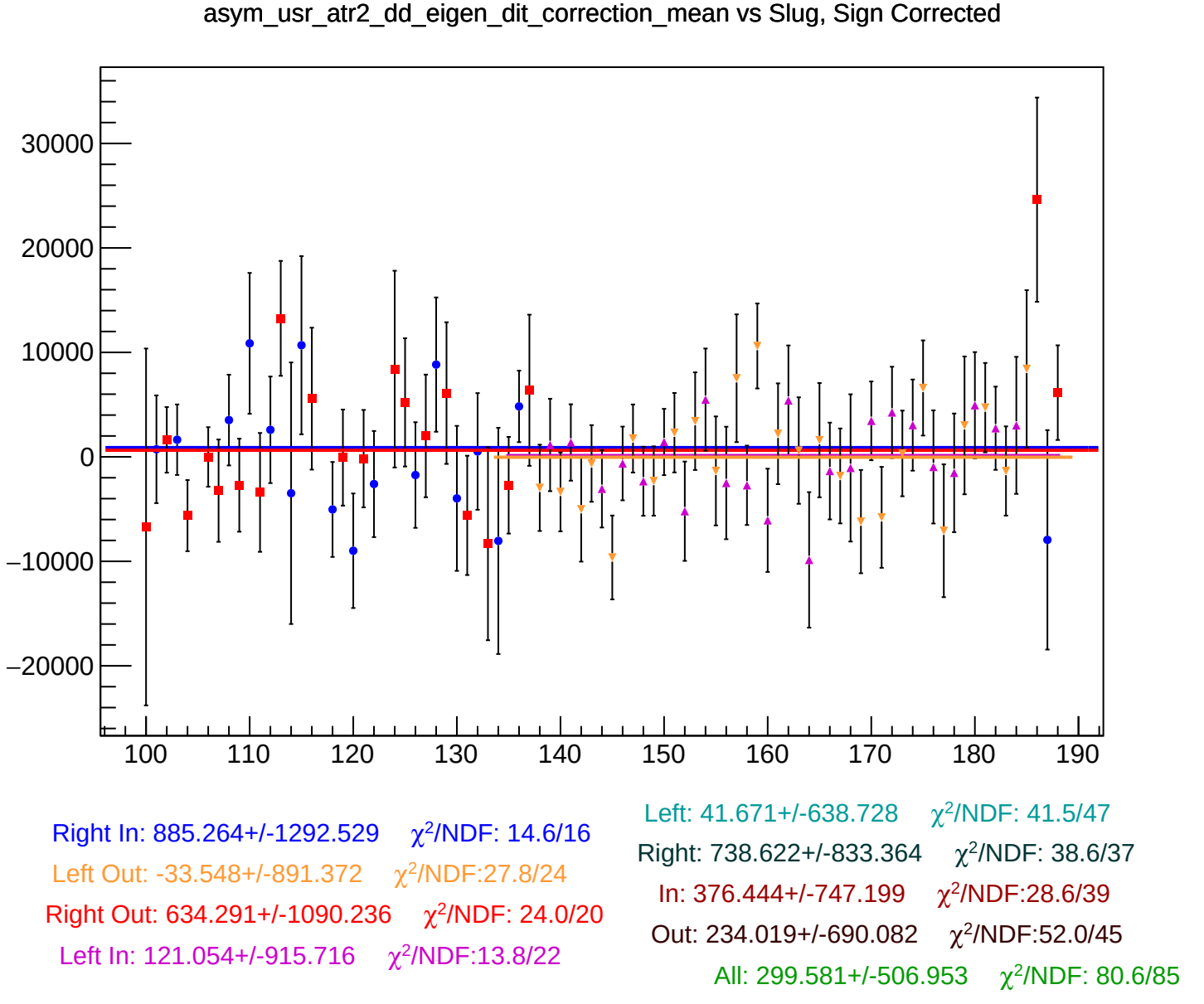
Left: 1143.460+/-0.132 χ^2/NDF: 226349.9/47

Right: 1176.112+/-0.212 χ^2/NDF: 1177637.2/37

In: 1151.913+/-0.162 χ^2/NDF:727367.1/39

Out: 1153.193+/-0.155 χ^2/NDF:693708.9/45

All: 1152.579+/-0.112 χ^2/NDF: 1421108.6/85


asym_usr_atr2_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
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−10000
−20000
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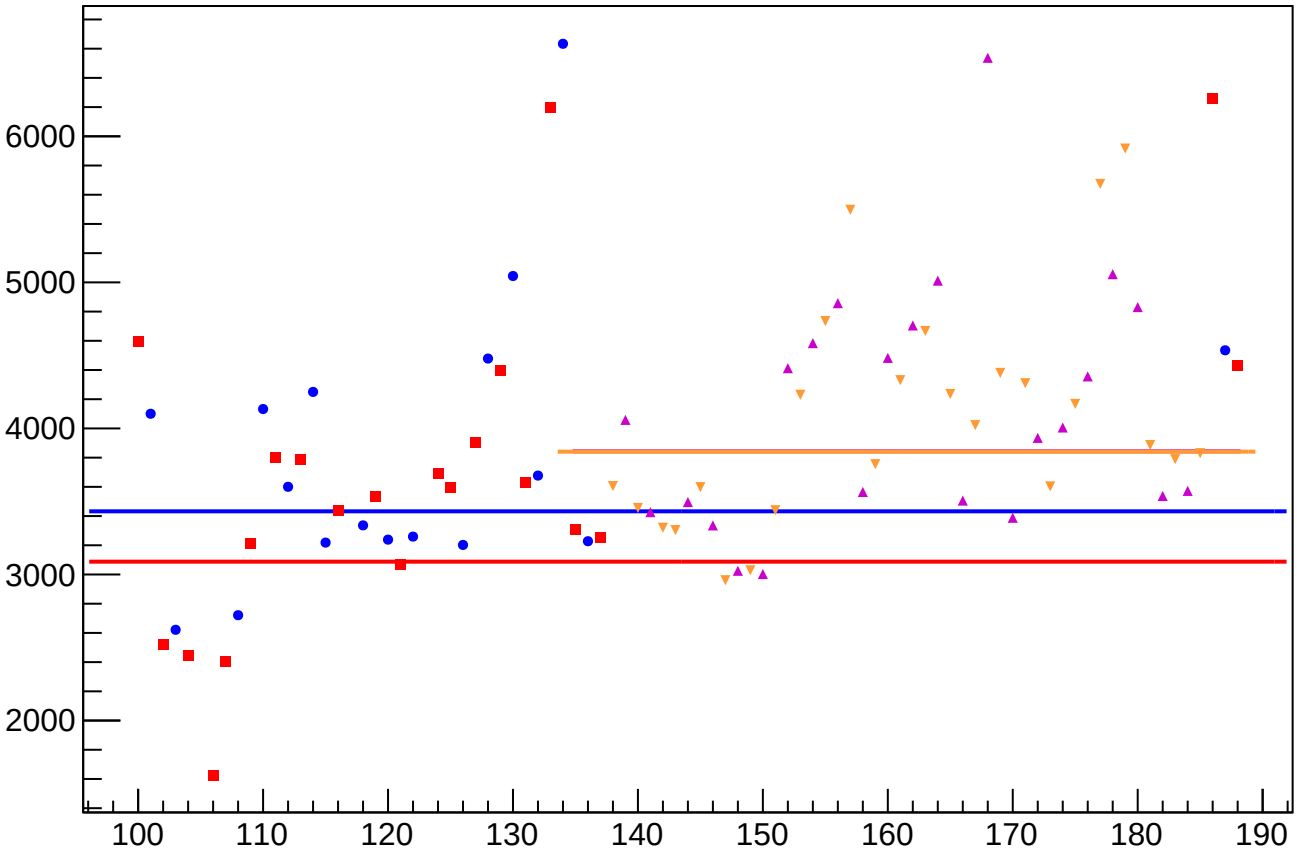
150
160
170
180
190
Right In: 885.264+/-1292.529 χ²/NDF: 14.6/16
Left Out: -33.548+/-891.372 χ²/NDF:27.8/24
Right Out: 634.291+/-1090.236 χ²/NDF: 24.0/20
Left In: 121.054+/-915.716 χ²/NDF:13.8/22
Left: 41.671+/-638.728 χ²/NDF: 41.5/47
Right: 738.622+/-833.364 χ²/NDF: 38.6/37
In: 376.444+/-747.199 χ²/NDF:28.6/39
Out: 234.019+/-690.082 χ²/NDF:52.0/45
All: 299.581+/-506.953 χ²/NDF: 80.6/85



Right In: 3432.546+/-0.914 χ^2/NDF: 614715.9/16

Left Out: 3840.836+/-0.630 χ^2/NDF:1118668.2/24

Right Out: 3087.784+/-0.771 χ^2/NDF: 1579668.3/20

Left In: 3843.333+/-0.648 χ^2/NDF:1196061.6/22

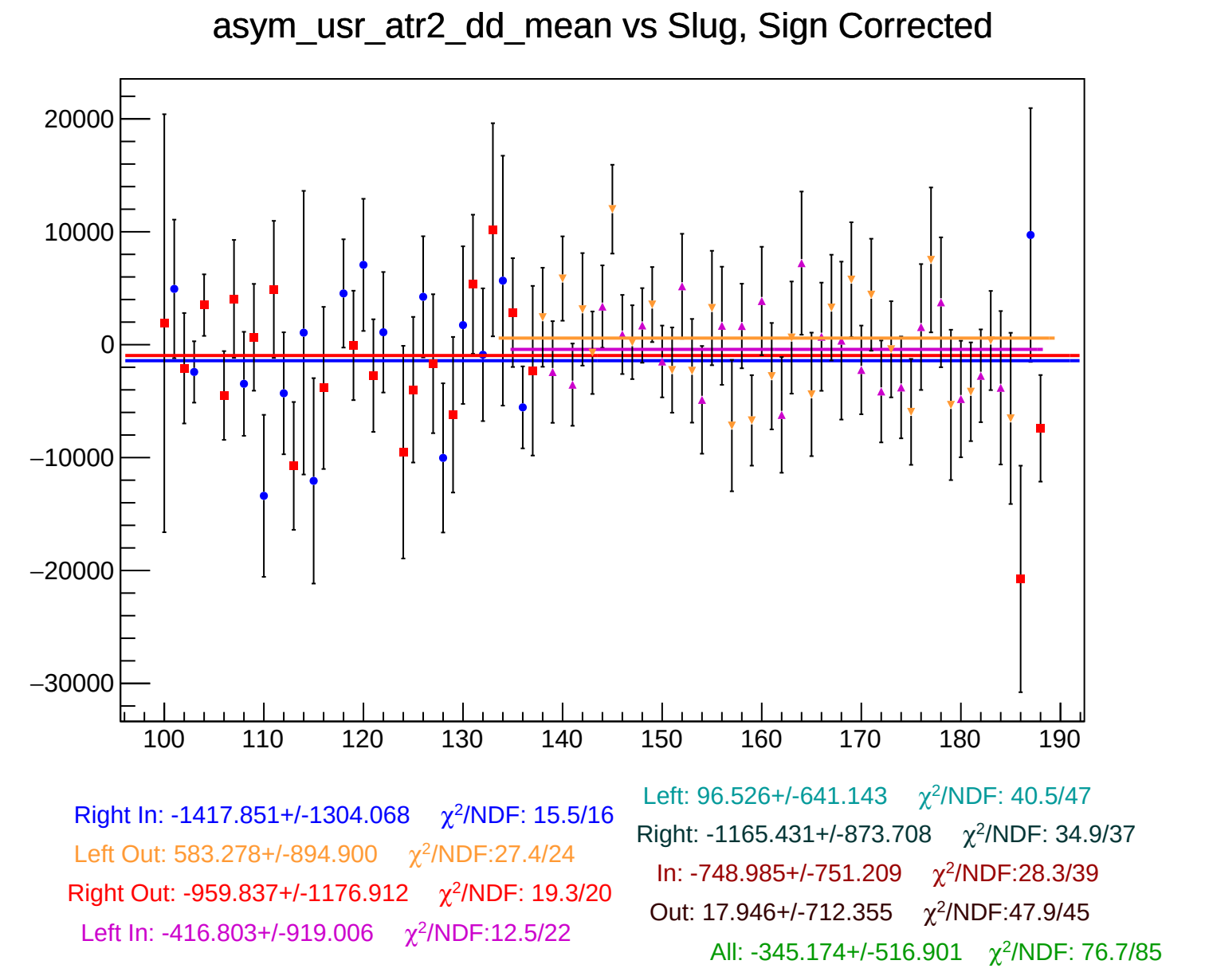
Left: 3842.051+/-0.452 χ^2/NDF: 2314737.5/47

Right: 3231.105+/-0.589 χ^2/NDF: 2277525.5/37

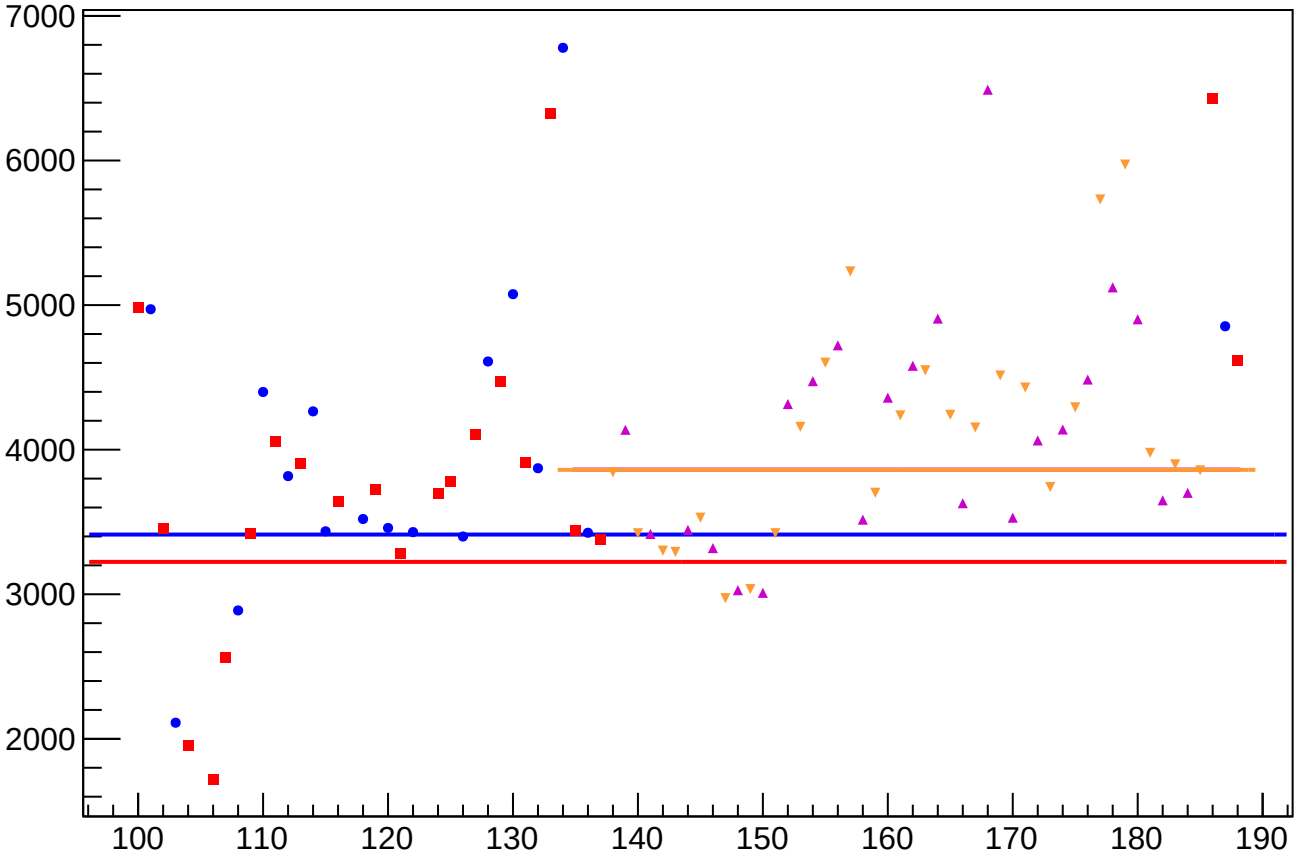
In: 3706.053+/-0.528 χ^2/NDF:1945281.4/39

Out: 3539.129+/-0.488 χ^2/NDF:3270239.4/45

All: 3615.968+/-0.358 χ^2/NDF: 5269388.5/85


asym_usr_atr2_dd_mean vs Slug, Sign Corrected
20000
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
160
170
180
190
Right In: -1417.851+/-1304.068 χ²/NDF: 15.5/16
Left Out: 583.278+/-894.900 χ²/NDF:27.4/24
Right Out: -959.837+/-1176.912 χ²/NDF: 19.3/20
Left In: -416.803+/-919.006 χ²/NDF:12.5/22
Left: 96.526+/-641.143 χ²/NDF: 40.5/47
Right: -1165.431+/-873.708 χ²/NDF: 34.9/37
In: -748.985+/-751.209 χ²/NDF:28.3/39
Out: 17.946+/-712.355 χ²/NDF:47.9/45
All: -345.174+/-516.901 χ²/NDF: 76.7/85

asym_usr_atr2_dd_rms vs Slug, Sign Corrected



Right In: 3413.026+/-0.922 χ^2/NDF: 1082017.8/16

Left Out: 3860.536+/-0.633 χ^2/NDF:1097292.6/24

Right Out: 3224.011+/-0.819 χ^2/NDF: 1732121.1/20

Left In: 3862.339+/-0.650 χ^2/NDF:1142179.8/22

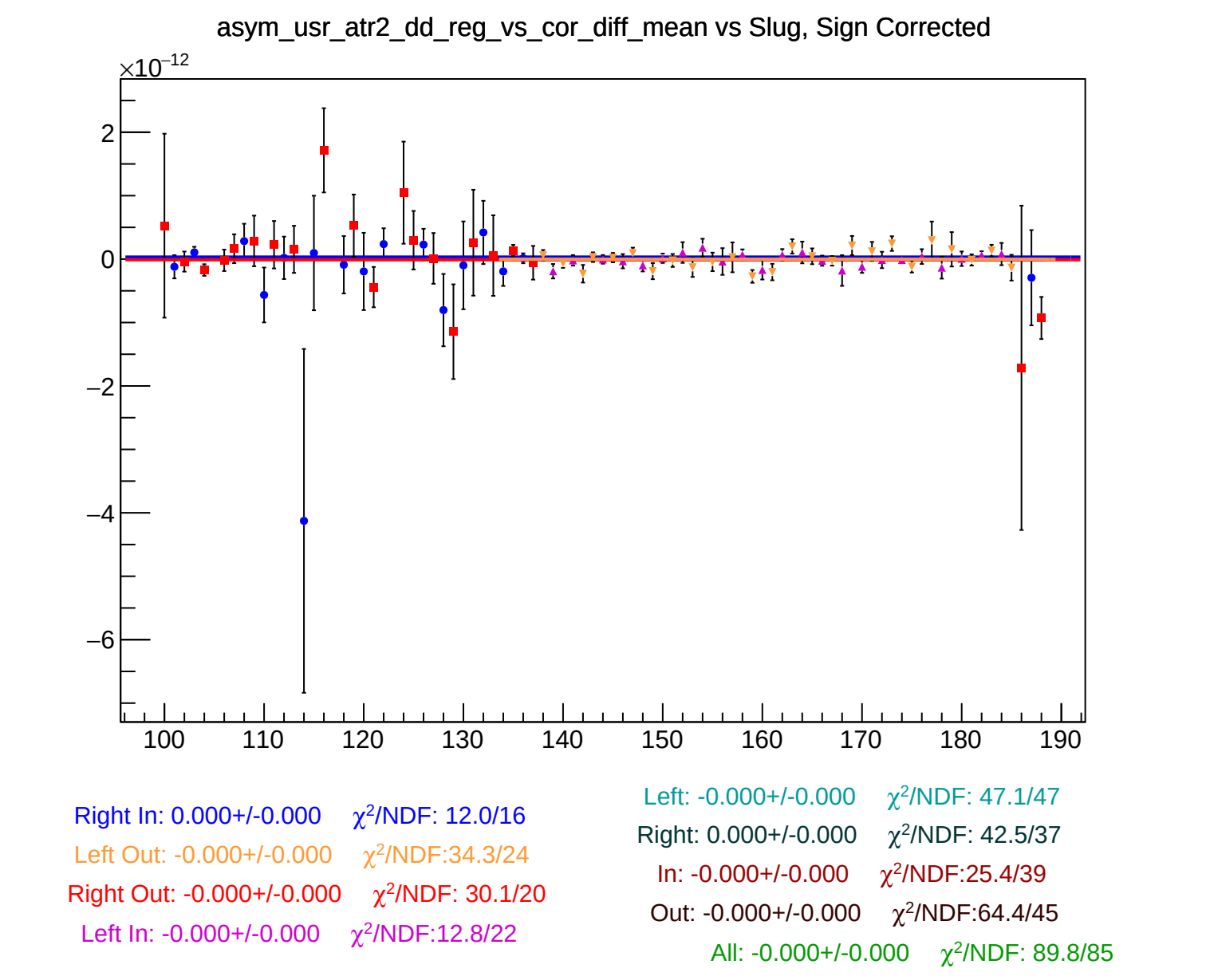
Left: 3861.414+/-0.453 χ^2/NDF: 2239476.3/47

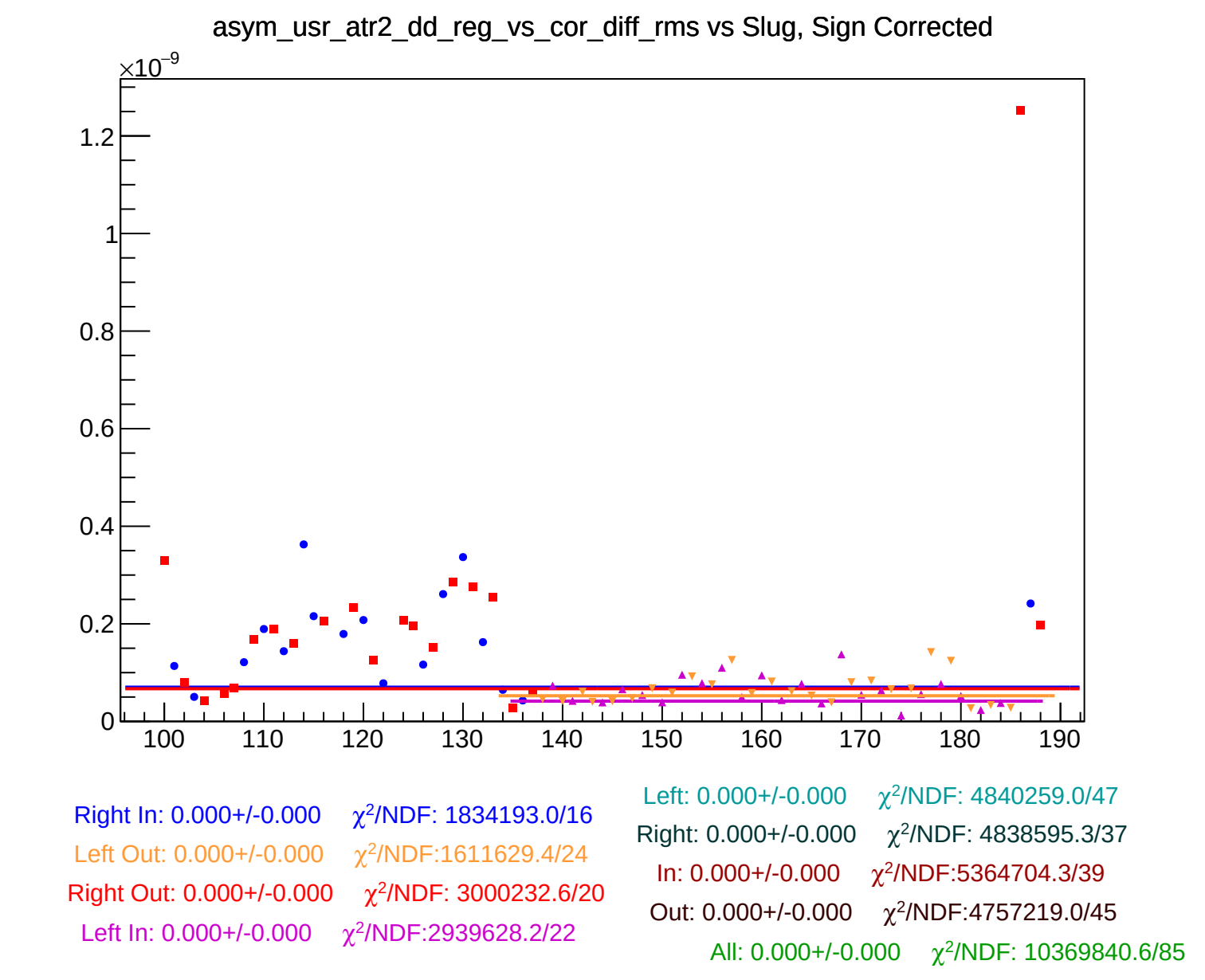
Right: 3307.398+/-0.612 χ^2/NDF: 2837619.4/37

In: 3713.242+/-0.531 χ^2/NDF:2382837.1/39

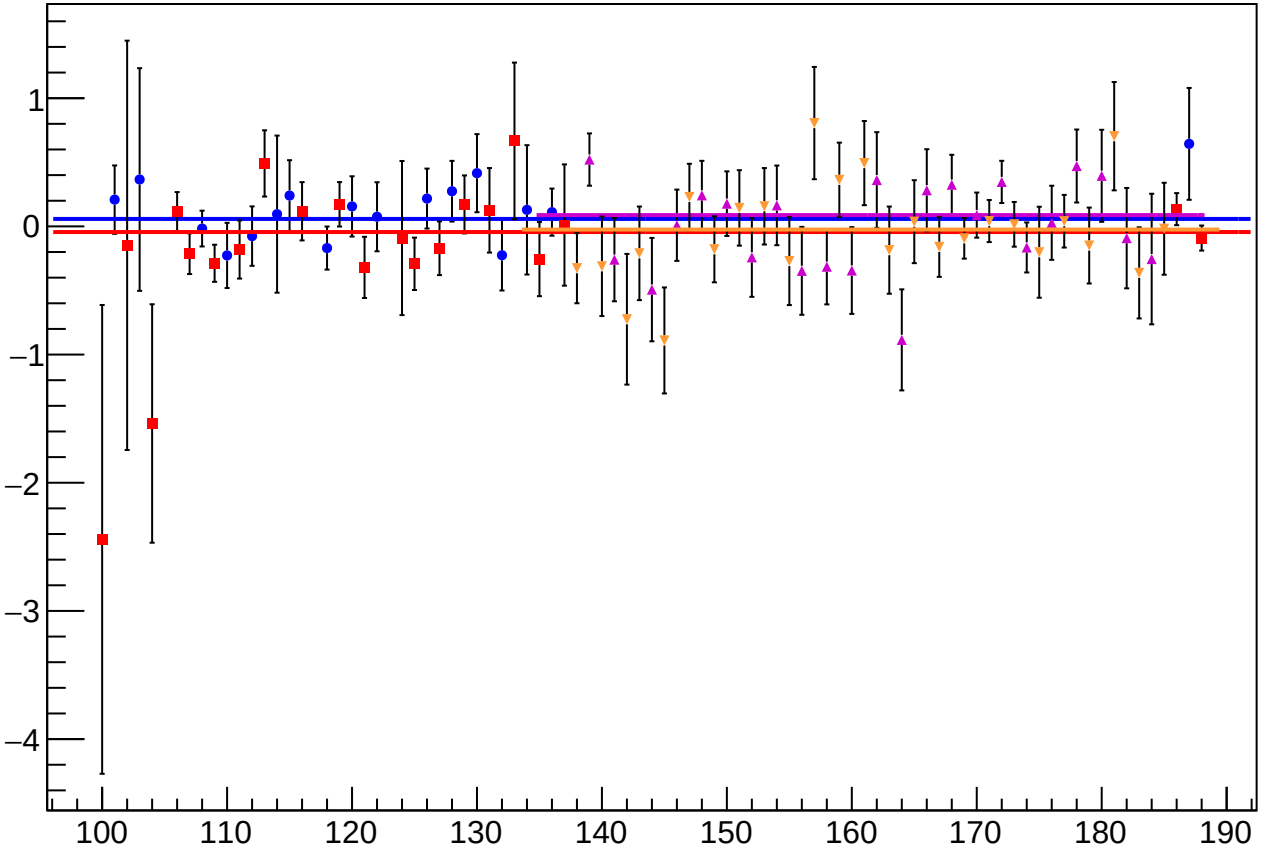
Out: 3622.703+/-0.501 χ^2/NDF:3207480.6/45

All: 3665.310+/-0.364 χ^2/NDF: 5605698.2/85


asym_usr_atr2_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
0
−2
−4
−6
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 12.0/16
Left Out: -0.000+/-0.000 χ²/NDF:34.3/24
Right Out: -0.000+/-0.000 χ²/NDF: 30.1/20
Left In: -0.000+/-0.000 χ²/NDF:12.8/22
Left: -0.000+/-0.000 χ²/NDF: 47.1/47
Right: 0.000+/-0.000 χ²/NDF: 42.5/37
In: -0.000+/-0.000 χ²/NDF:25.4/39
Out: -0.000+/-0.000 χ²/NDF:64.4/45
All: -0.000+/-0.000 χ²/NDF: 89.8/85


asym_usr_atr2_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
1.2
1
0.8
0.6
0.4
0.2
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 1834193.0/16
Left Out: 0.000+/-0.000 χ²/NDF:1611629.4/24
Right Out: 0.000+/-0.000 χ²/NDF: 3000232.6/20
Left In: 0.000+/-0.000 χ²/NDF:2939628.2/22
Left: 0.000+/-0.000 χ²/NDF: 4840259.0/47
Right: 0.000+/-0.000 χ²/NDF: 4838595.3/37
In: 0.000+/-0.000 χ²/NDF:5364704.3/39
Out: 0.000+/-0.000 χ²/NDF:4757219.0/45
All: 0.000+/-0.000 χ²/NDF: 10369840.6/85

asym_usr_atr2_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.058+/-0.059 χ^2/NDF: 10.4/16

Left Out: -0.025+/-0.055 χ^2/NDF:24.1/24

Right Out: -0.044+/-0.045 χ^2/NDF: 24.6/20

Left In: 0.088+/-0.057 χ^2/NDF:30.0/22

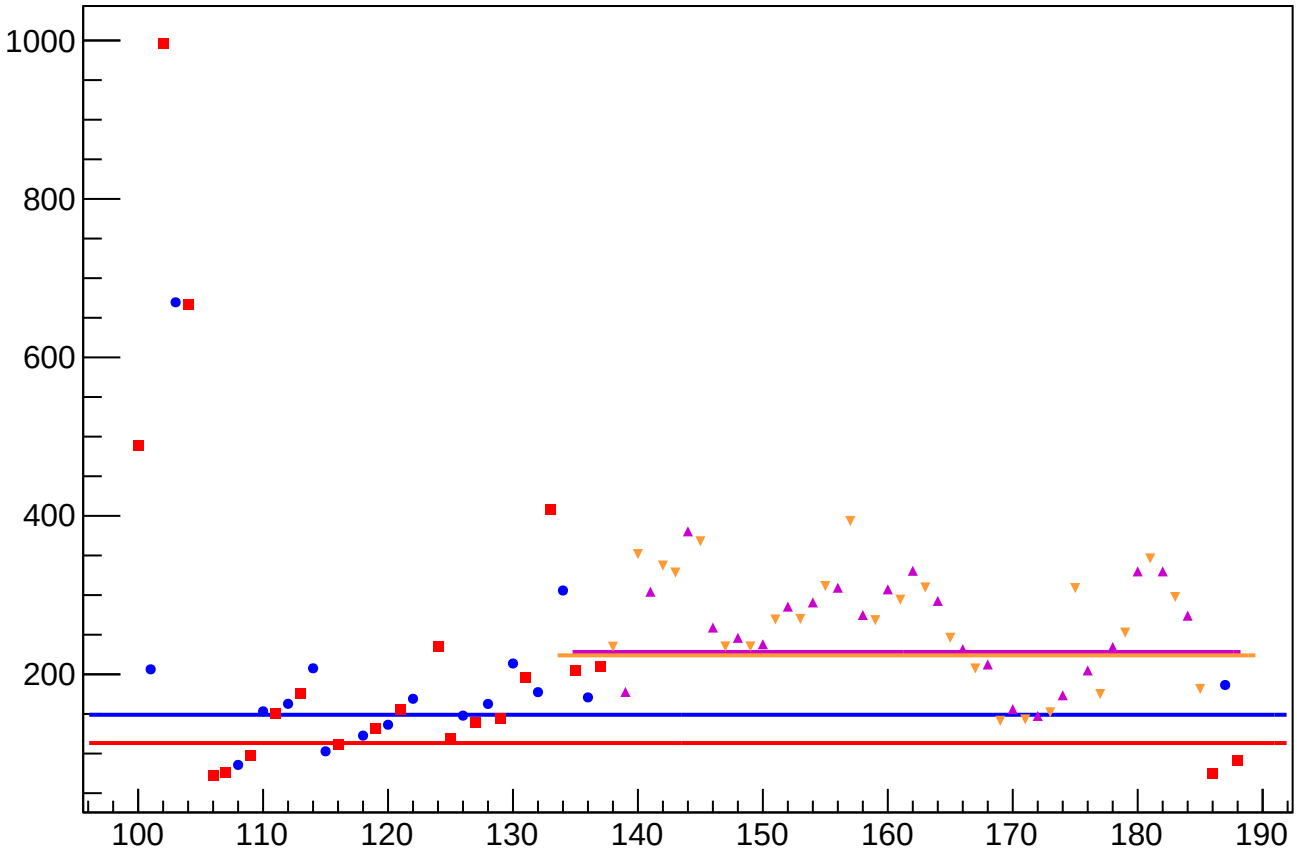
Left: 0.030+/-0.039 χ^2/NDF: 56.1/47

Right: -0.007+/-0.036 χ^2/NDF: 36.9/37

In: 0.074+/-0.041 χ^2/NDF:40.5/39

Out: -0.036+/-0.035 χ^2/NDF:48.8/45

All: 0.009+/-0.026 χ^2/NDF: 93.6/85



Right In: 148.952+/-0.042 χ^2/NDF: 1725146.7/16

Left Out: 223.945+/-0.039 χ^2/NDF:3438444.8/24

Right Out: 113.268+/-0.032 χ^2/NDF: 3276683.0/20

Left In: 228.199+/-0.040 χ^2/NDF:2488915.3/22

Left: 225.993+/-0.028 χ^2/NDF: 5933206.6/47

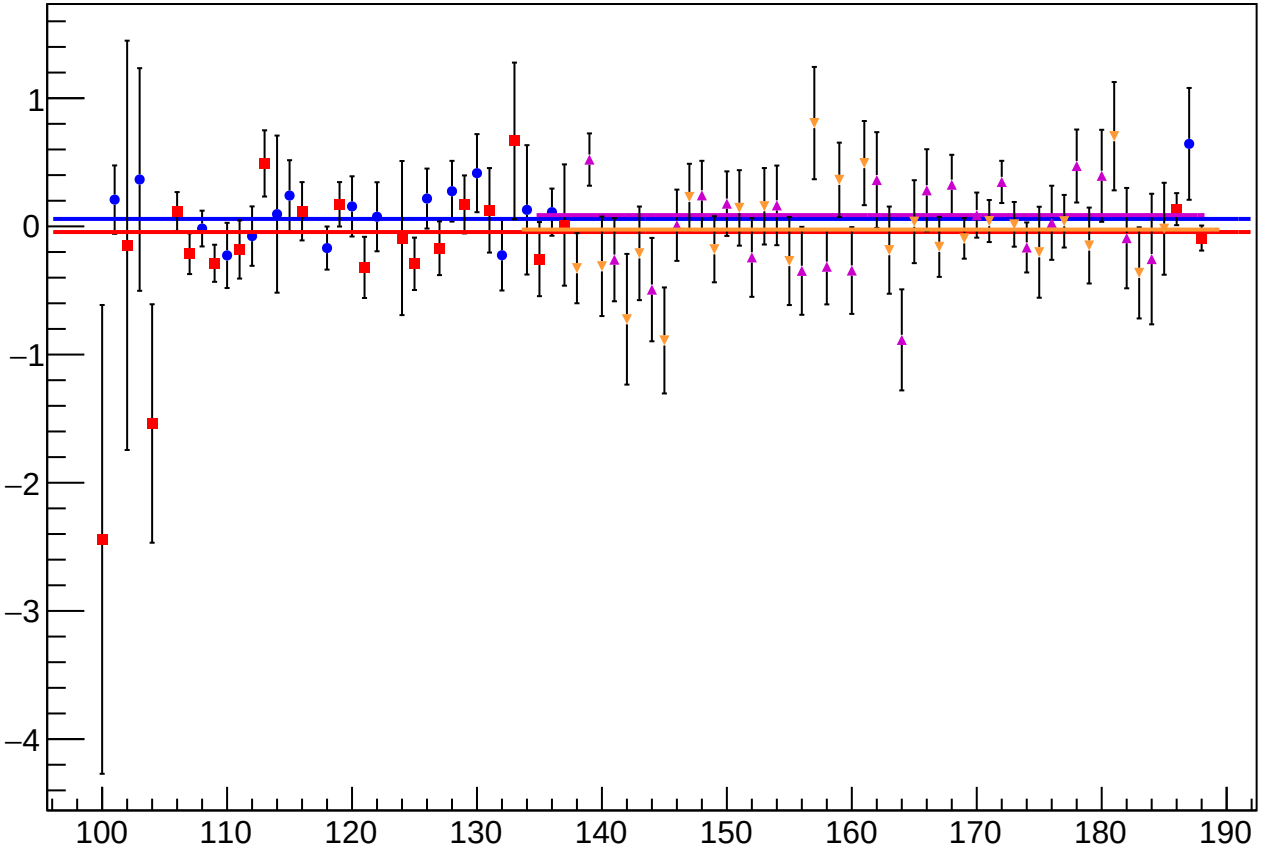
Right: 126.103+/-0.025 χ^2/NDF: 5462913.2/37

In: 190.493+/-0.029 χ^2/NDF:6075796.4/39

Out: 157.528+/-0.024 χ^2/NDF:11646695.2/45

All: 171.198+/-0.019 χ^2/NDF: 18478457.1/85

asym_usr_atr2_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.058+/-0.059 χ^2/NDF: 10.4/16

Left Out: -0.025+/-0.055 χ^2/NDF:24.1/24

Right Out: -0.044+/-0.045 χ^2/NDF: 24.6/20

Left In: 0.088+/-0.057 χ^2/NDF:30.0/22

Left: 0.030+/-0.039 χ^2/NDF: 56.1/47

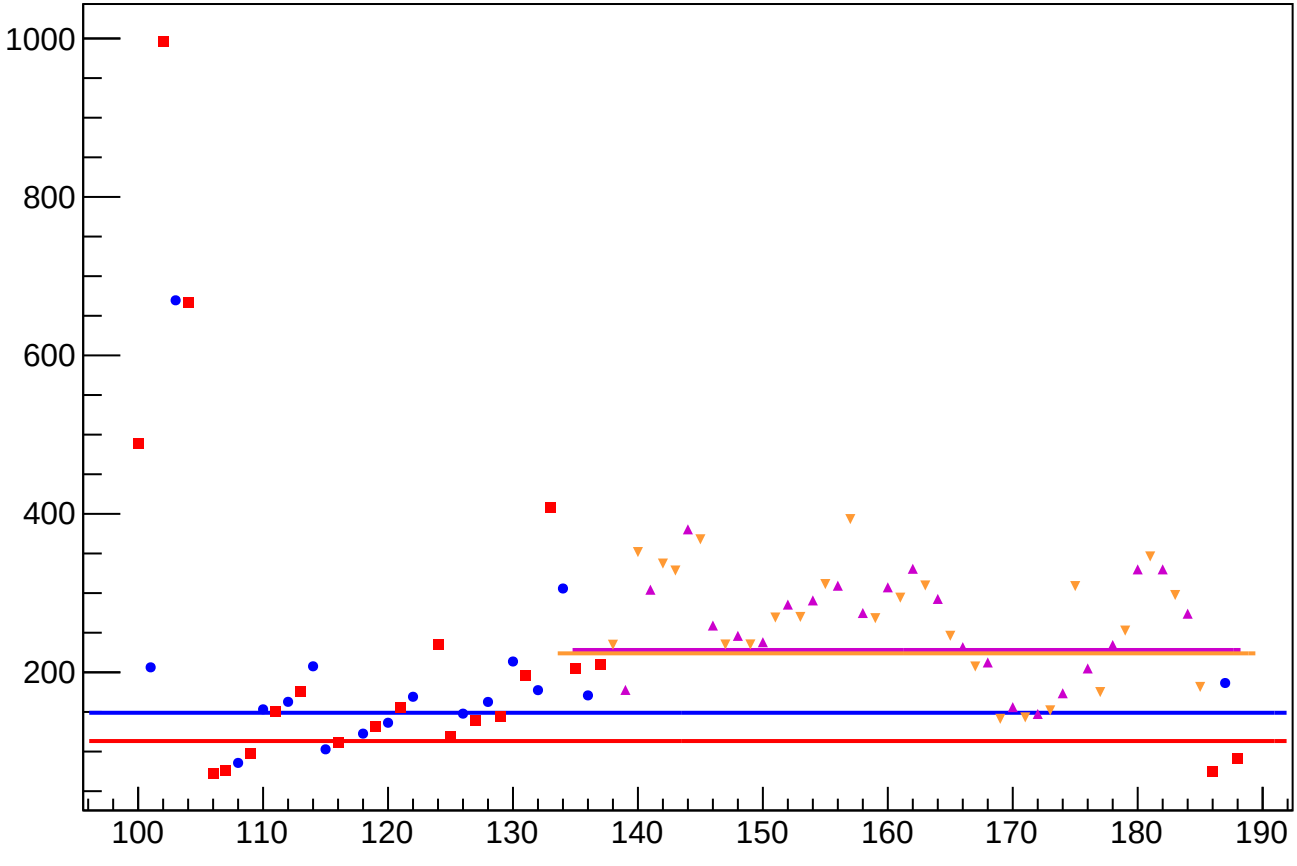
Right: -0.007+/-0.036 χ^2/NDF: 36.9/37

In: 0.074+/-0.041 χ^2/NDF:40.5/39

Out: -0.036+/-0.035 χ^2/NDF:48.8/45

All: 0.009+/-0.026 χ^2/NDF: 93.6/85

asym_usr_atr2_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 148.952+/-0.042 χ^2/NDF: 1725146.7/16

Left Out: 223.945+/-0.039 χ^2/NDF:3438444.8/24

Right Out: 113.268+/-0.032 χ^2/NDF: 3276683.0/20

Left In: 228.199+/-0.040 χ^2/NDF:2488915.3/22

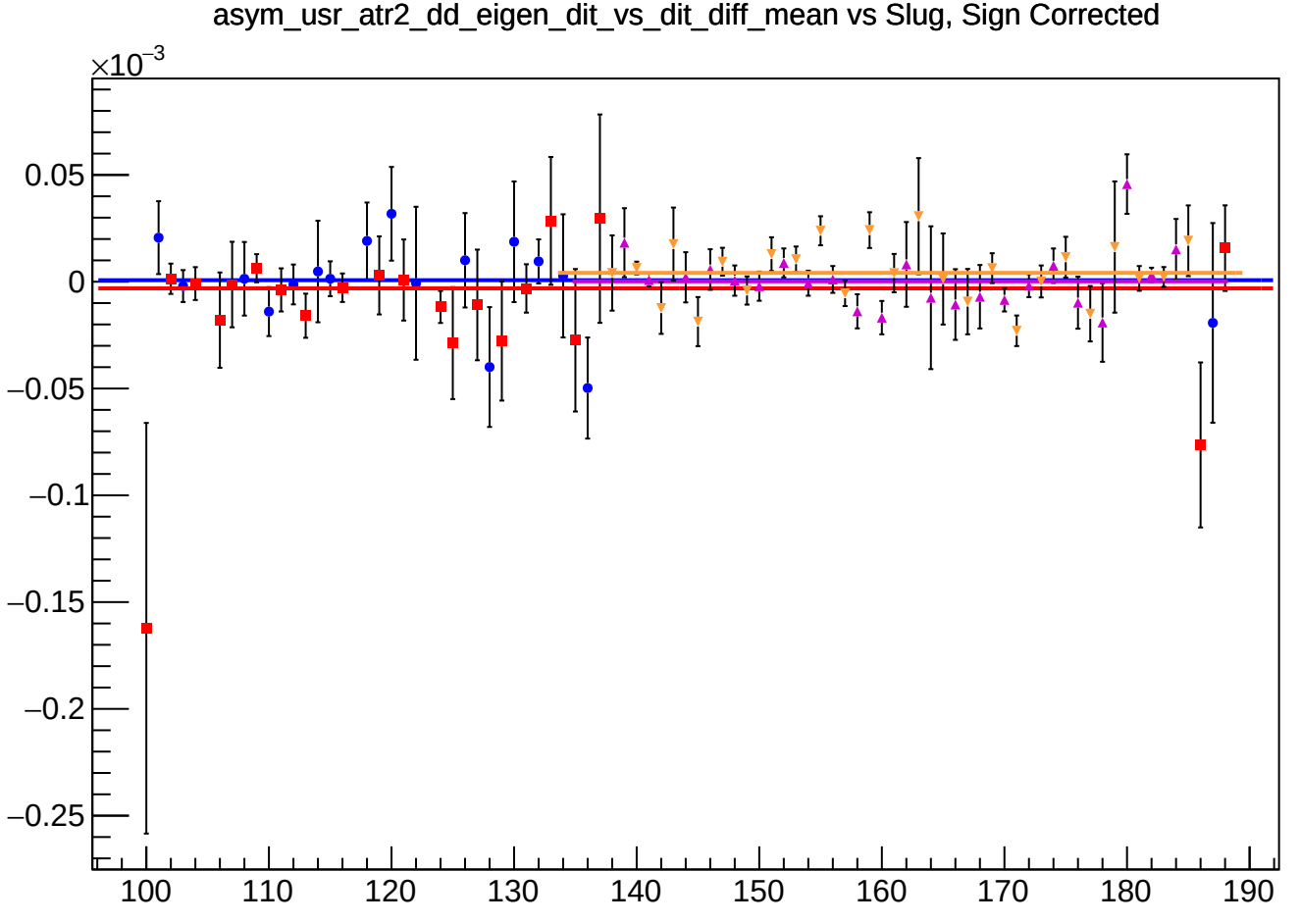
Left: 225.993+/-0.028 χ^2/NDF: 5933206.6/47

Right: 126.103+/-0.025 χ^2/NDF: 5462913.2/37

In: 190.493+/-0.029 χ^2/NDF:6075796.4/39

Out: 157.528+/-0.024 χ^2/NDF:11646695.2/45

All: 171.198+/-0.019 χ^2/NDF: 18478457.1/85



Right In: 0.000+/-0.000 χ^2/NDF: 14.4/16

Left Out: 0.000+/-0.000 χ^2/NDF:48.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 17.2/20

Left In: 0.000+/-0.000 χ^2/NDF:30.1/22

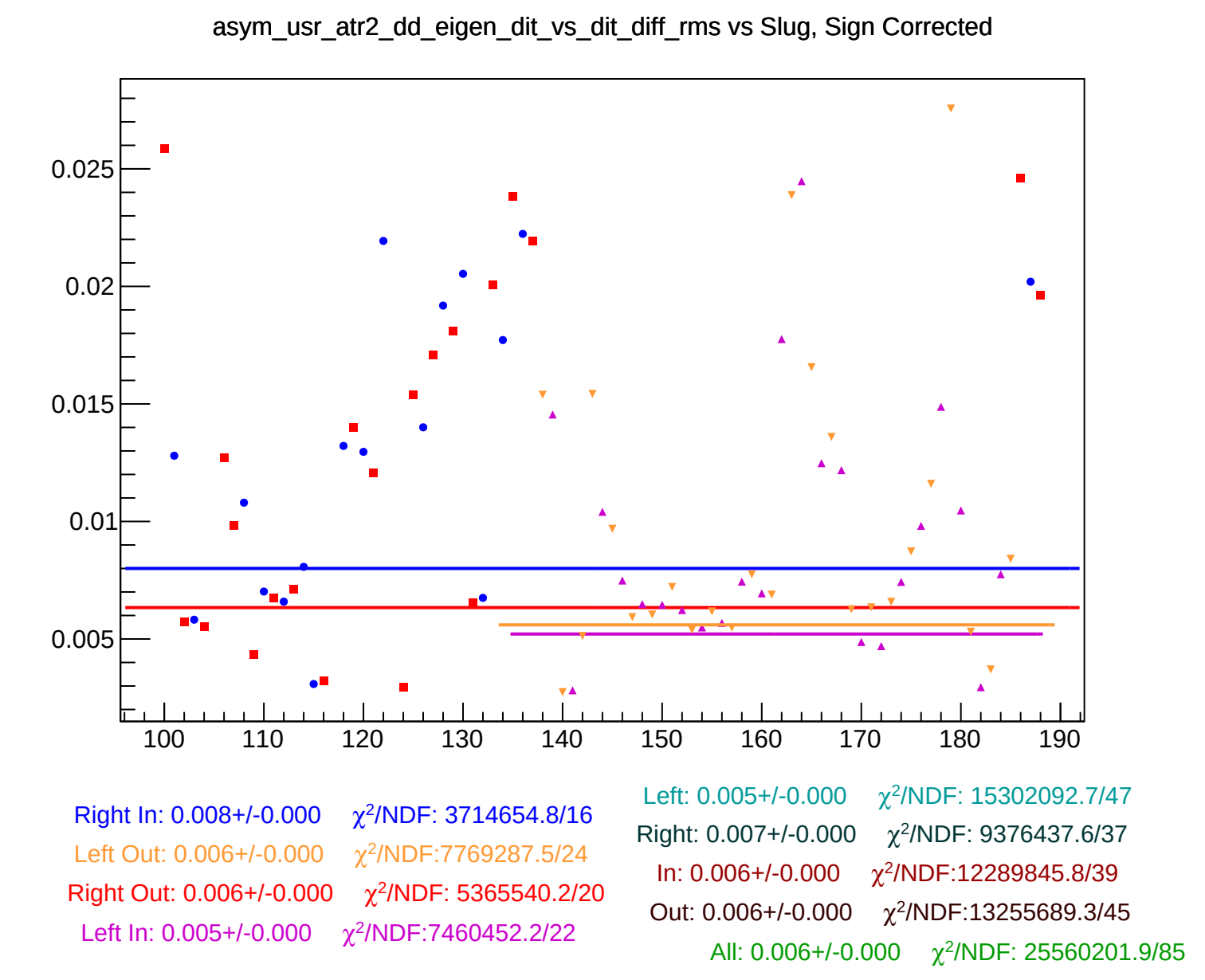
Left: 0.000+/-0.000 χ^2/NDF: 82.6/47

Right: -0.000+/-0.000 χ^2/NDF: 32.4/37

In: 0.000+/-0.000 χ^2/NDF:44.5/39

Out: 0.000+/-0.000 χ^2/NDF:71.9/45

All: 0.000+/-0.000 χ^2/NDF: 117.8/85


asym_usr_atr2_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.025
0.02
0.015
0.01
0.005
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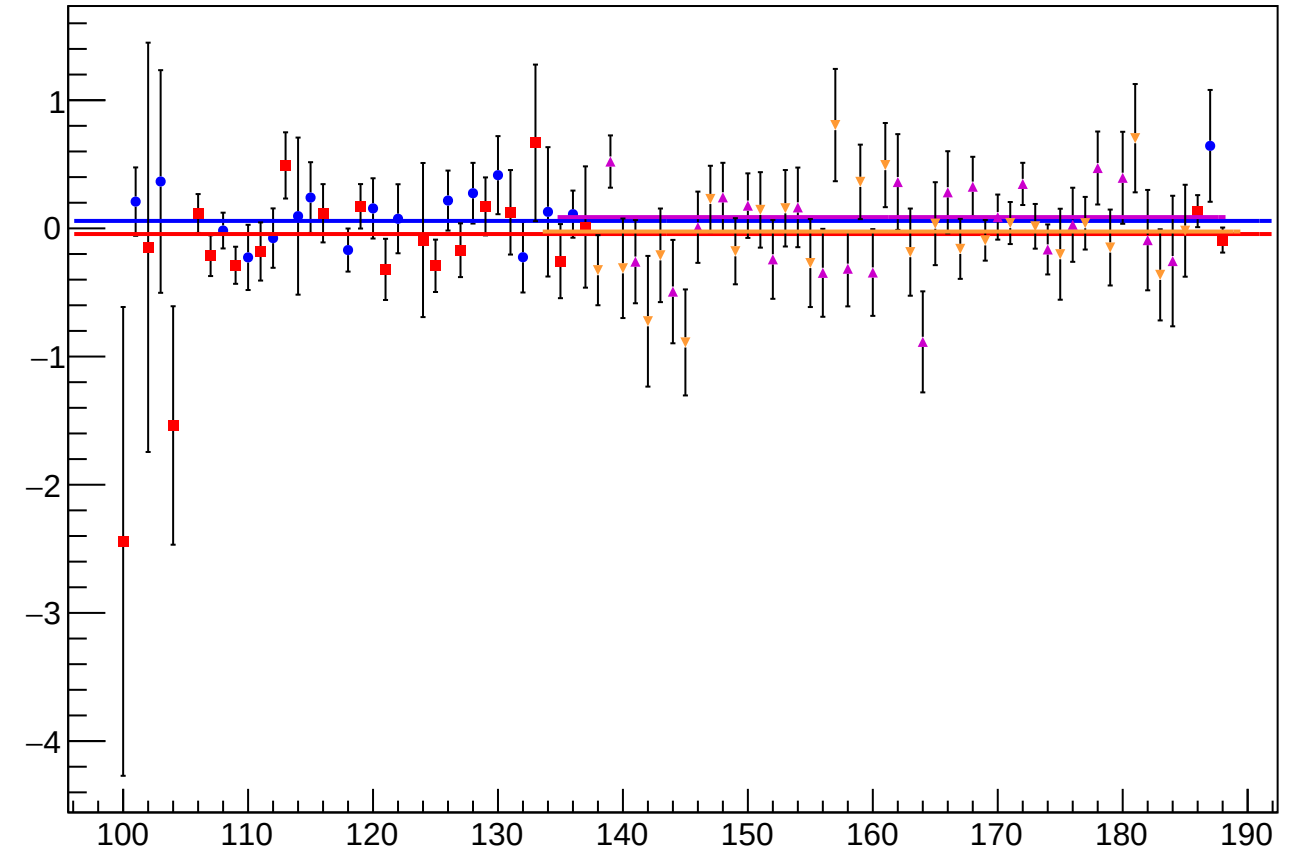
170
180
190
Right In: 0.008+/-0.000 χ²/NDF: 3714654.8/16
Left Out: 0.006+/-0.000 χ²/NDF:7769287.5/24
Right Out: 0.006+/-0.000 χ²/NDF: 5365540.2/20
Left In: 0.005+/-0.000 χ²/NDF:7460452.2/22
Left: 0.005+/-0.000 χ²/NDF: 15302092.7/47
Right: 0.007+/-0.000 χ²/NDF: 9376437.6/37
In: 0.006+/-0.000 χ²/NDF:12289845.8/39
Out: 0.006+/-0.000 χ²/NDF:13255689.3/45
All: 0.006+/-0.000 χ²/NDF: 25560201.9/85



Right In: 0.058+/-0.059 χ^2/NDF: 10.4/16

Left Out: -0.025+/-0.055 χ^2/NDF:24.1/24

Right Out: -0.044+/-0.045 χ^2/NDF: 24.6/20

Left In: 0.088+/-0.057 χ^2/NDF:30.0/22

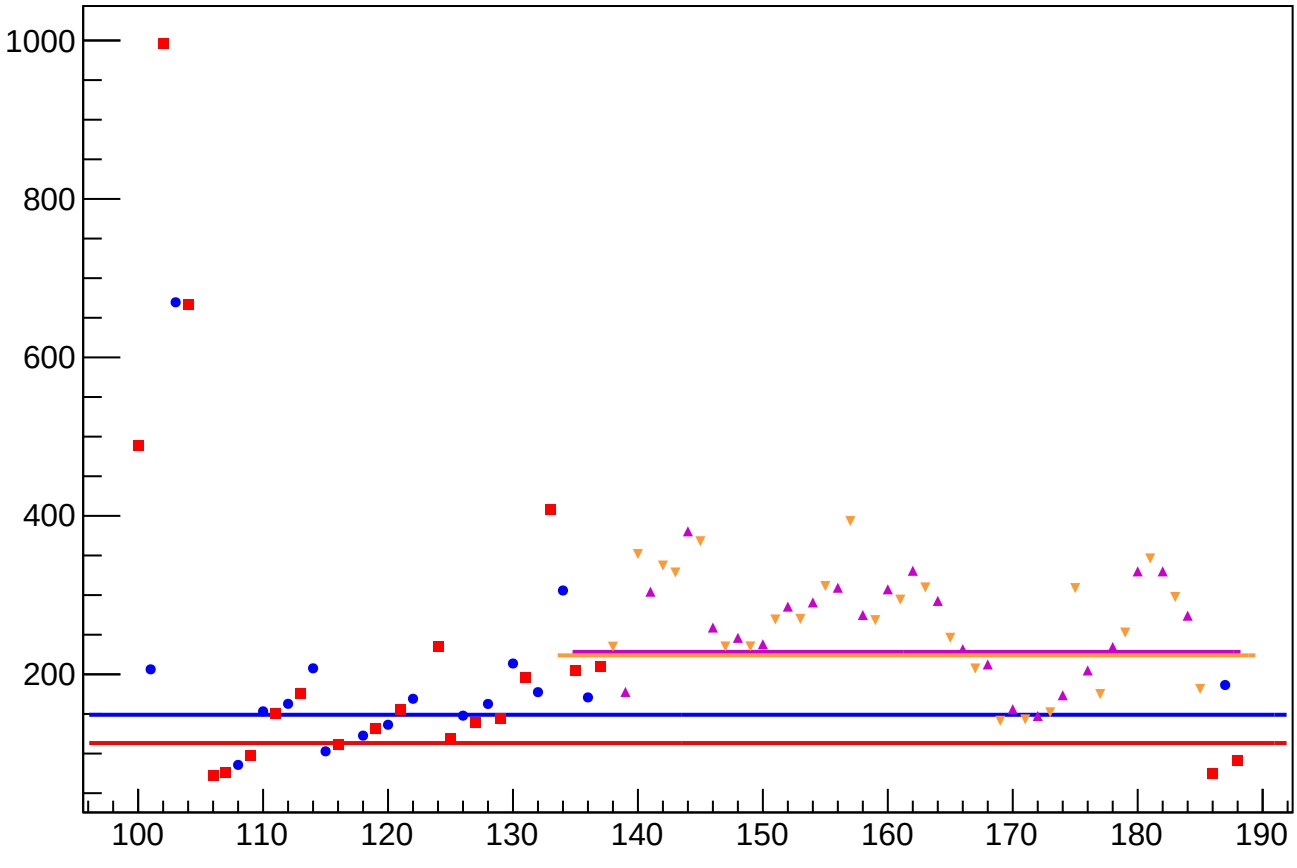
Left: 0.030+/-0.039 χ^2/NDF: 56.1/47

Right: -0.007+/-0.036 χ^2/NDF: 36.9/37

In: 0.074+/-0.041 χ^2/NDF:40.5/39

Out: -0.036+/-0.035 χ^2/NDF:48.8/45

All: 0.009+/-0.026 χ^2/NDF: 93.6/85



Right In: 148.949+/-0.042 χ^2/NDF: 1725219.6/16

Left Out: 223.946+/-0.039 χ^2/NDF:3438541.7/24

Right Out: 113.273+/-0.032 χ^2/NDF: 3276425.4/20

Left In: 228.201+/-0.040 χ^2/NDF:2488951.6/22

Left: 225.995+/-0.028 χ^2/NDF: 5933340.6/47

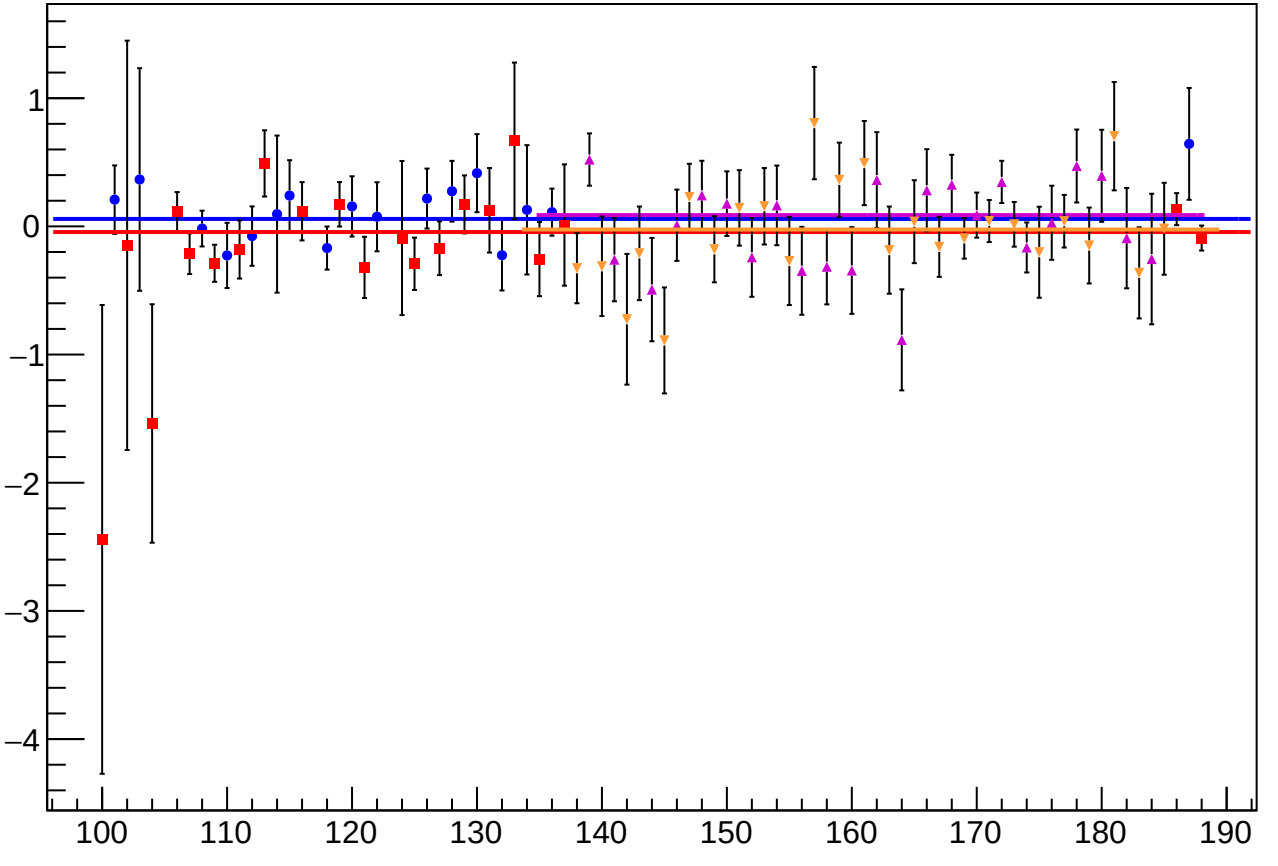
Right: 126.106+/-0.025 χ^2/NDF: 5462530.9/37

In: 190.491+/-0.029 χ^2/NDF:6076114.0/39

Out: 157.533+/-0.024 χ^2/NDF:11646032.9/45

All: 171.201+/-0.019 χ^2/NDF: 18477823.0/85

asym_usr_atr2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.058+/-0.059 χ^2/NDF: 10.4/16

Left Out: -0.025+/-0.055 χ^2/NDF:24.1/24

Right Out: -0.044+/-0.045 χ^2/NDF: 24.6/20

Left In: 0.088+/-0.057 χ^2/NDF:30.0/22

Left: 0.030+/-0.039 χ^2/NDF: 56.1/47

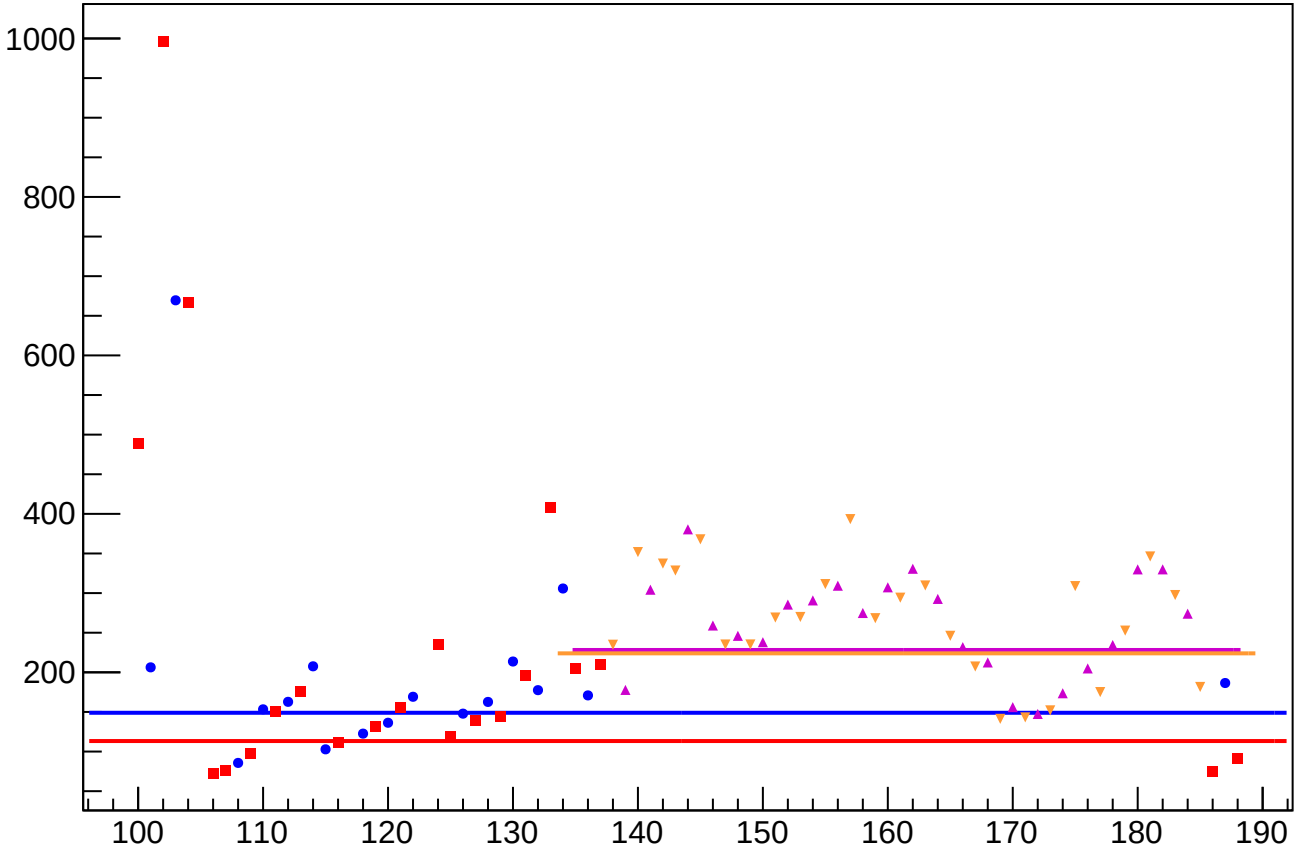
Right: -0.007+/-0.036 χ^2/NDF: 36.9/37

In: 0.074+/-0.041 χ^2/NDF:40.5/39

Out: -0.036+/-0.035 χ^2/NDF:48.8/45

All: 0.009+/-0.026 χ^2/NDF: 93.6/85

asym_usr_atr2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 148.949+/-0.042 χ^2/NDF: 1725219.6/16

Left Out: 223.946+/-0.039 χ^2/NDF:3438541.7/24

Right Out: 113.273+/-0.032 χ^2/NDF: 3276425.4/20

Left In: 228.201+/-0.040 χ^2/NDF:2488951.6/22

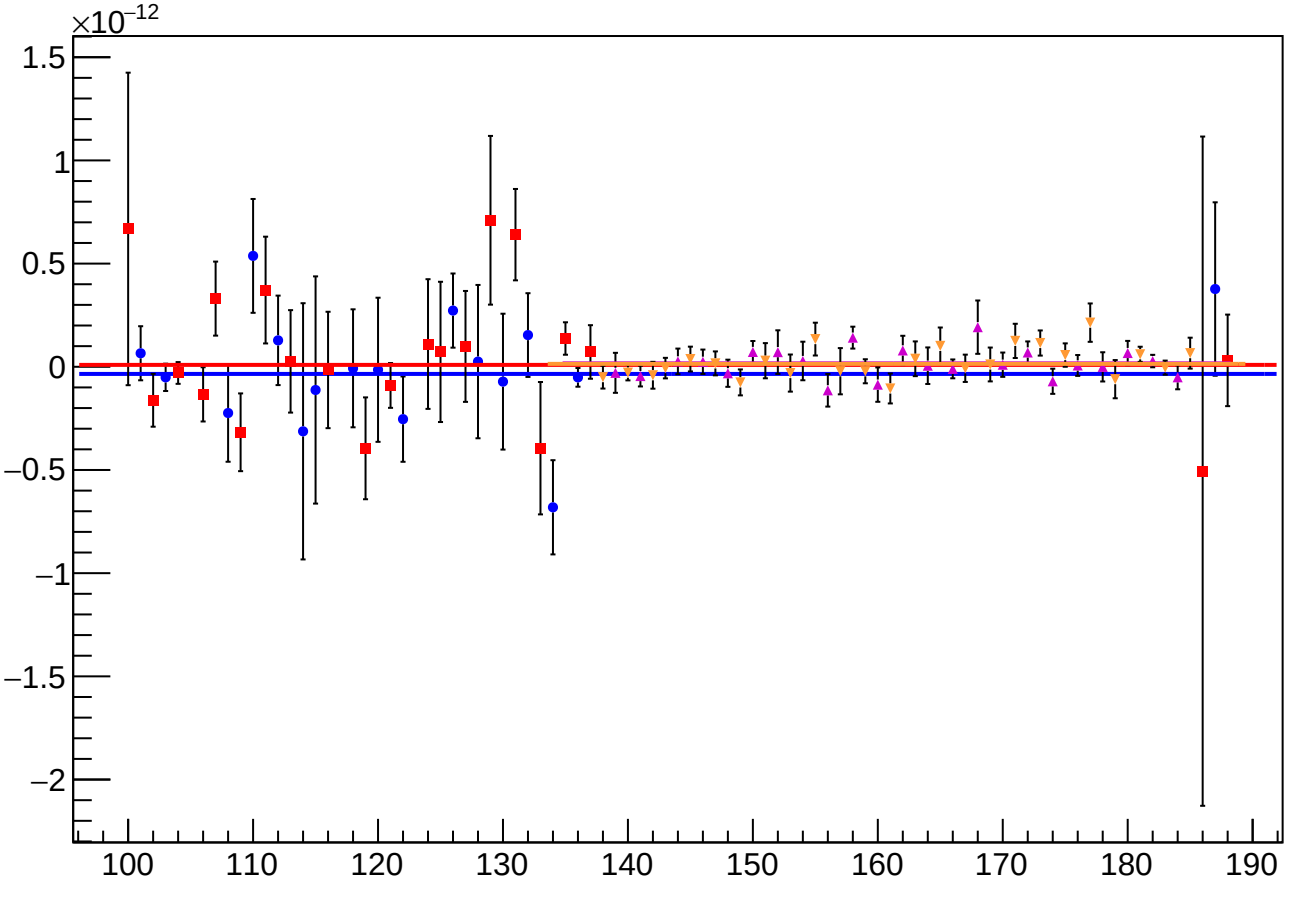
Left: 225.995+/-0.028 χ^2/NDF: 5933340.6/47

Right: 126.106+/-0.025 χ^2/NDF: 5462530.9/37

In: 190.491+/-0.029 χ^2/NDF:6076114.0/39

Out: 157.533+/-0.024 χ^2/NDF:11646032.9/45

All: 171.201+/-0.019 χ^2/NDF: 18477823.0/85



Right In: -0.000+/-0.000 χ^2/NDF: 20.4/16

Left Out: 0.000+/-0.000 χ^2/NDF:25.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 31.9/20

Left In: 0.000+/-0.000 χ^2/NDF:21.7/22

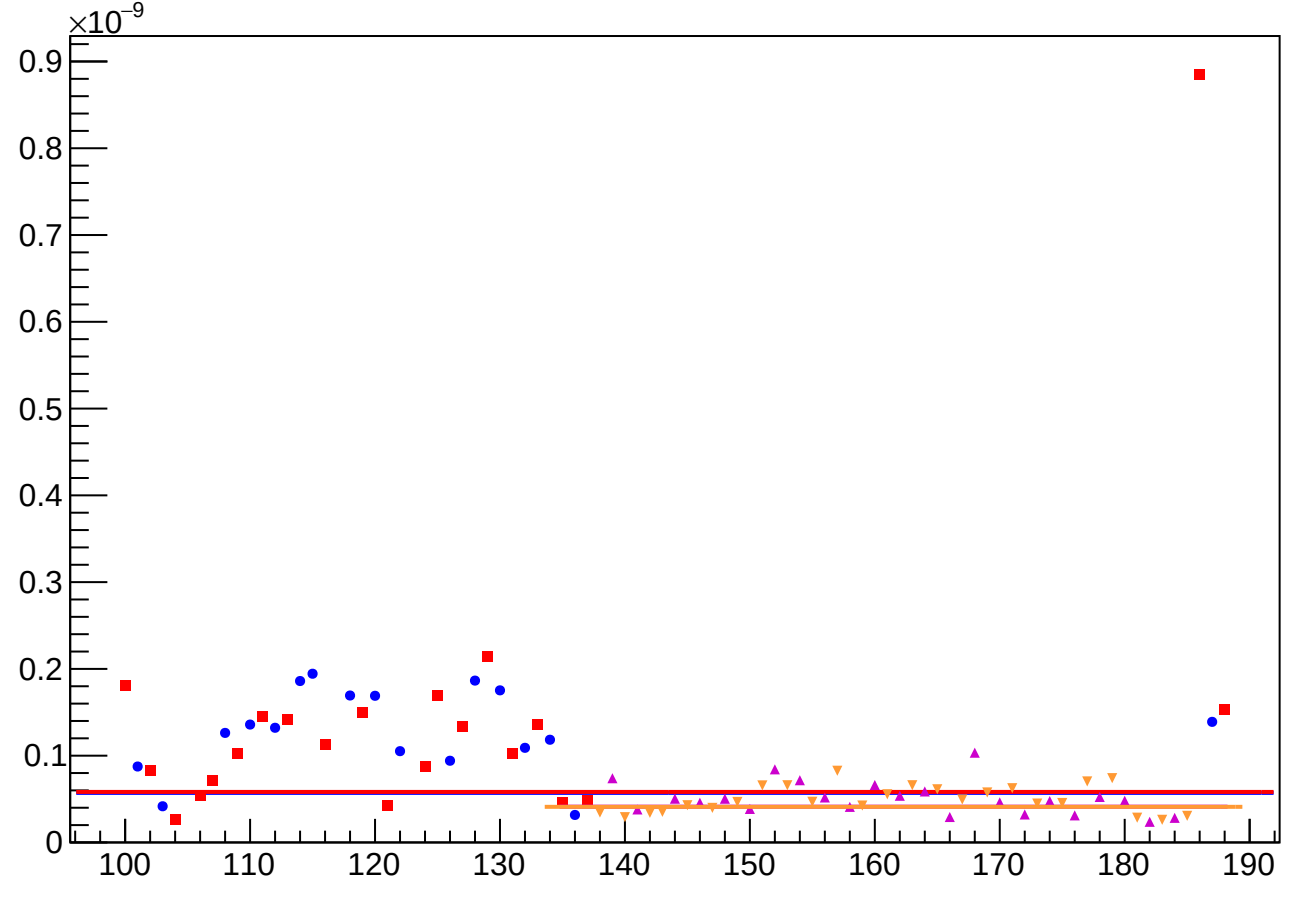
Left: 0.000+/-0.000 χ^2/NDF: 47.1/47

Right: -0.000+/-0.000 χ^2/NDF: 53.3/37

In: 0.000+/-0.000 χ^2/NDF:44.4/39

Out: 0.000+/-0.000 χ^2/NDF:57.2/45

All: 0.000+/-0.000 χ^2/NDF: 101.7/85



Right In: 0.000+/-0.000 χ^2/NDF: 3189562.8/16

Left Out: 0.000+/-0.000 χ^2/NDF:2644306.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3633596.8/20

Left In: 0.000+/-0.000 χ^2/NDF:2852113.9/22

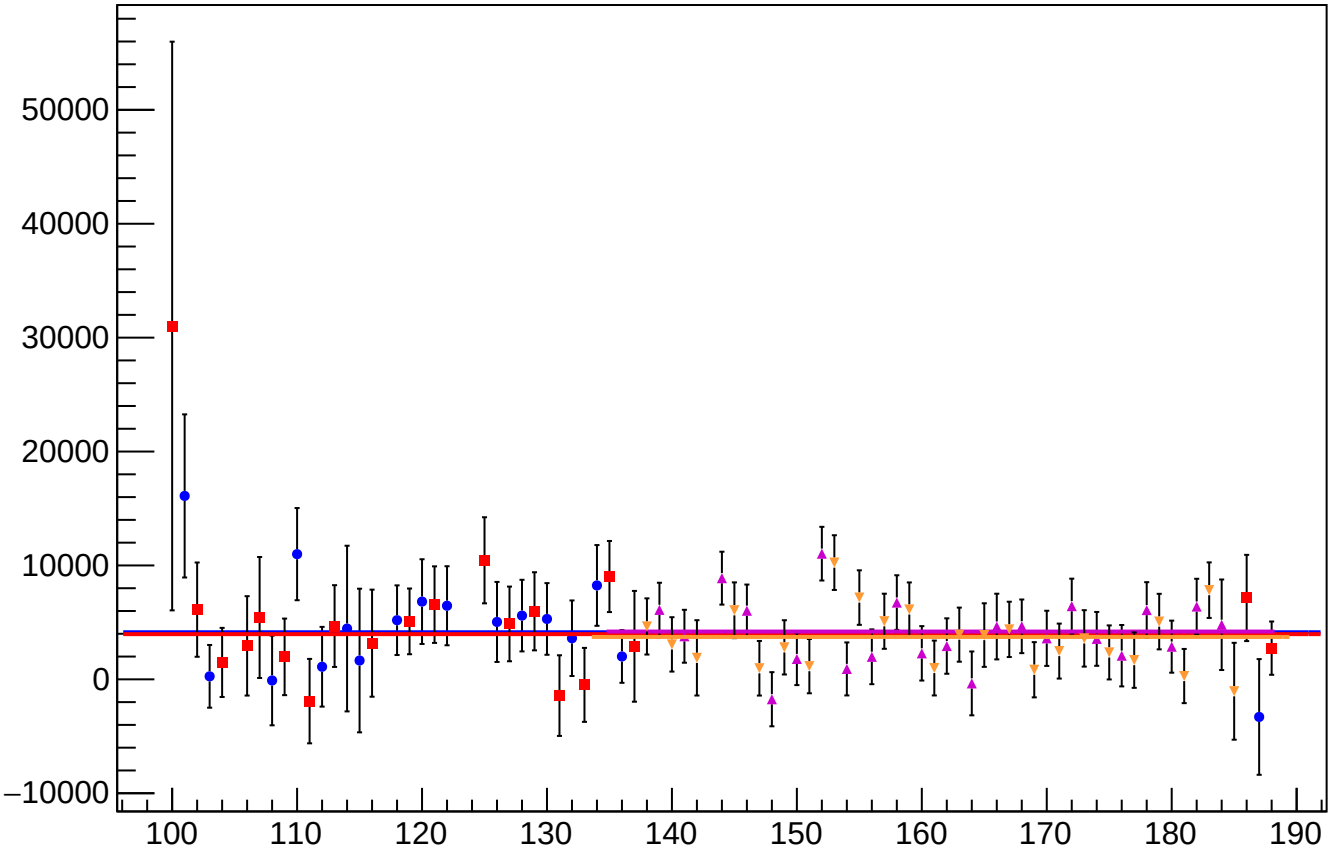
Left: 0.000+/-0.000 χ^2/NDF: 5496578.5/47

Right: 0.000+/-0.000 χ^2/NDF: 6824362.0/37

In: 0.000+/-0.000 χ^2/NDF:6470633.7/39

Out: 0.000+/-0.000 χ^2/NDF:6791328.6/45

All: 0.000+/-0.000 χ^2/NDF: 13261974.5/85



Right In: 4133.635+/-862.448 χ^2/NDF: 15.6/16

Left Out: 3723.486+/-507.155 χ^2/NDF:25.4/23

Right Out: 3969.148+/-798.163 χ^2/NDF: 17.1/19

Left In: 4195.942+/-510.578 χ^2/NDF:32.1/22

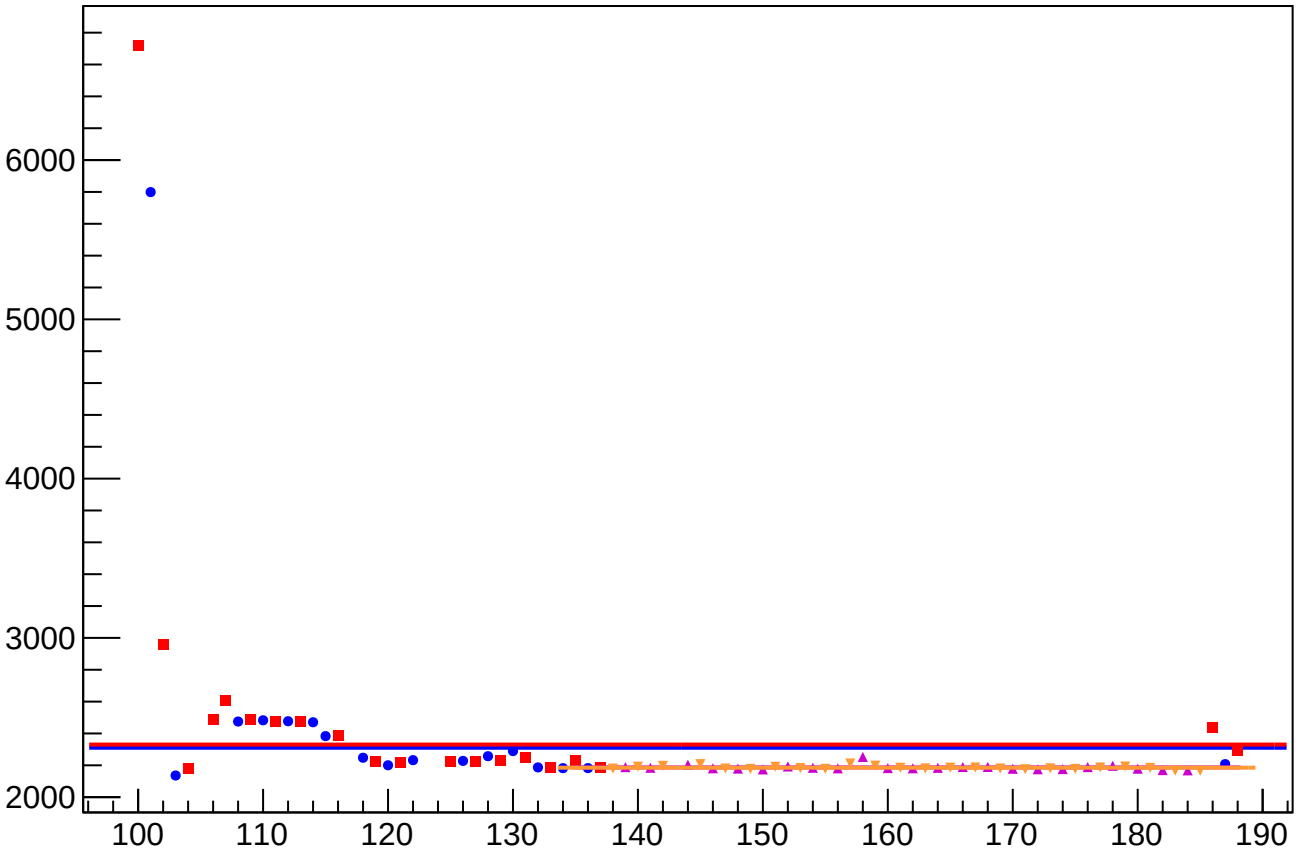
Left: 3958.125+/-359.817 χ^2/NDF: 58.0/46

Right: 4045.033+/-585.796 χ^2/NDF: 32.7/36

In: 4179.772+/-439.358 χ^2/NDF:47.7/39

Out: 3794.142+/-428.053 χ^2/NDF:42.7/43

All: 3981.932+/-306.598 χ^2/NDF: 90.7/83



Right In: 2310.358+/-0.610 χ^2/NDF: 513217.0/16

Left Out: 2185.133+/-0.359 χ^2/NDF:815.1/23

Right Out: 2330.359+/-0.564 χ^2/NDF: 153308.8/19

Left In: 2186.745+/-0.361 χ^2/NDF:2063.9/22

Left: 2185.934+/-0.254 χ^2/NDF: 2889.0/46

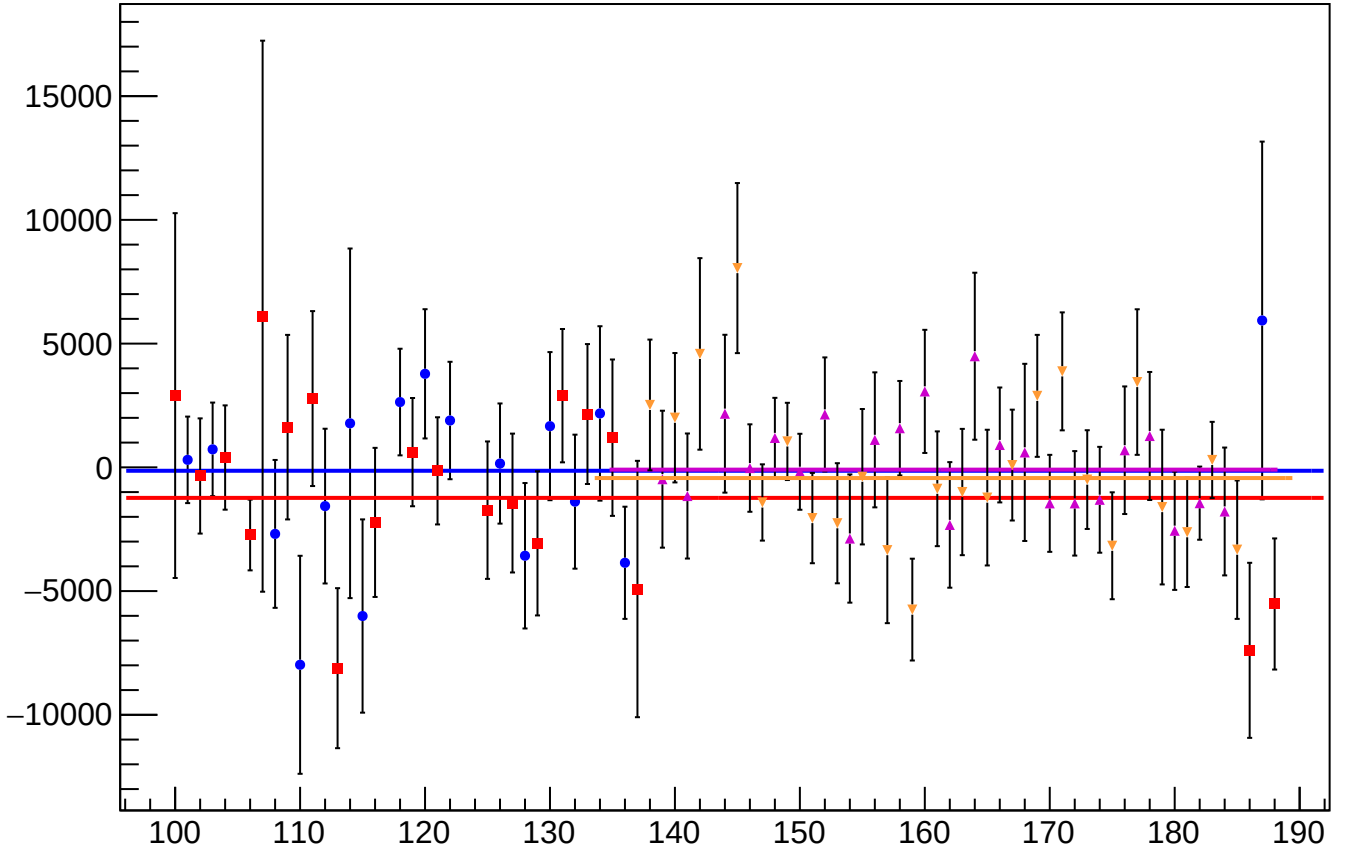
Right: 2321.132+/-0.414 χ^2/NDF: 667105.2/36

In: 2218.825+/-0.311 χ^2/NDF:545704.2/39

Out: 2226.902+/-0.303 χ^2/NDF:201292.7/43

All: 2222.969+/-0.217 χ^2/NDF: 747343.7/83

asym_us_avg_at1lr_avg_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -138.273+/-655.620 χ^2/NDF: 17.1/16

Left Out: -432.286+/-462.383 χ^2/NDF:31.3/23

Right Out: -1234.042+/-608.220 χ^2/NDF: 21.0/19

Left In: -92.649+/-460.669 χ^2/NDF:12.8/22

Left: -261.837+/-326.347 χ^2/NDF: 44.3/46

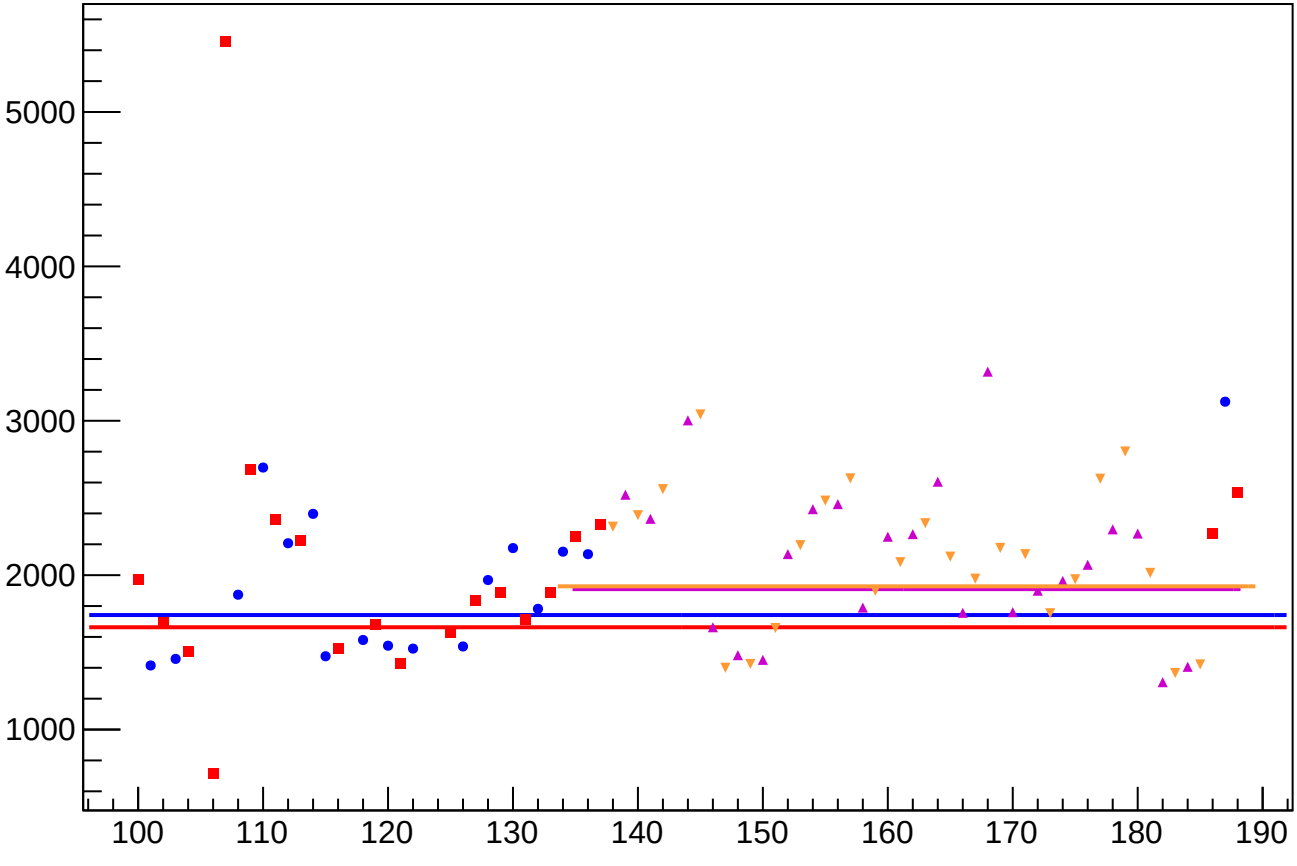
Right: -727.197+/-445.893 χ^2/NDF: 39.7/36

In: -107.729+/-376.925 χ^2/NDF:29.9/39

Out: -725.939+/-368.092 χ^2/NDF:53.4/43

All: -424.163+/-263.348 χ^2/NDF: 84.7/83

asym_us_avg_at1lr_avg_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 1741.752+/-0.464 χ^2/NDF: 552648.6/16

Left Out: 1927.660+/-0.327 χ^2/NDF:1798383.1/23

Right Out: 1662.597+/-0.430 χ^2/NDF: 1856910.8/19

Left In: 1909.612+/-0.326 χ^2/NDF:1942264.8/22

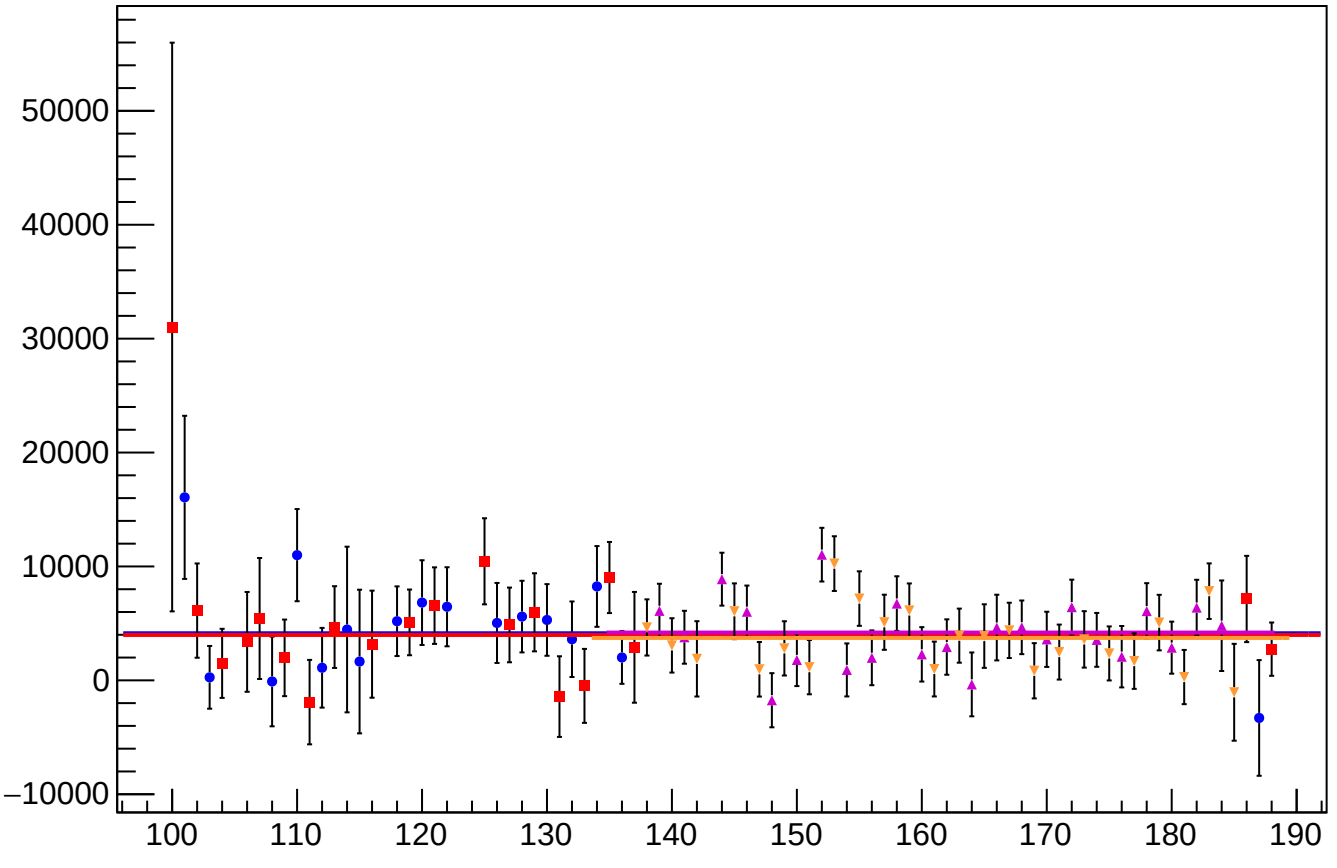
Left: 1918.603+/-0.231 χ^2/NDF: 3742177.0/46

Right: 1699.210+/-0.315 χ^2/NDF: 2425227.9/36

In: 1854.130+/-0.267 χ^2/NDF:2582684.8/39

Out: 1830.578+/-0.260 χ^2/NDF:3896016.8/43

All: 1842.075+/-0.186 χ^2/NDF: 6482698.7/83



Right In: 4132.981+/-862.448 χ^2/NDF: 15.6/16

Left Out: 3723.433+/-507.155 χ^2/NDF:25.4/23

Right Out: 3984.368+/-798.278 χ^2/NDF: 17.1/19

Left In: 4196.060+/-510.578 χ^2/NDF:32.1/22

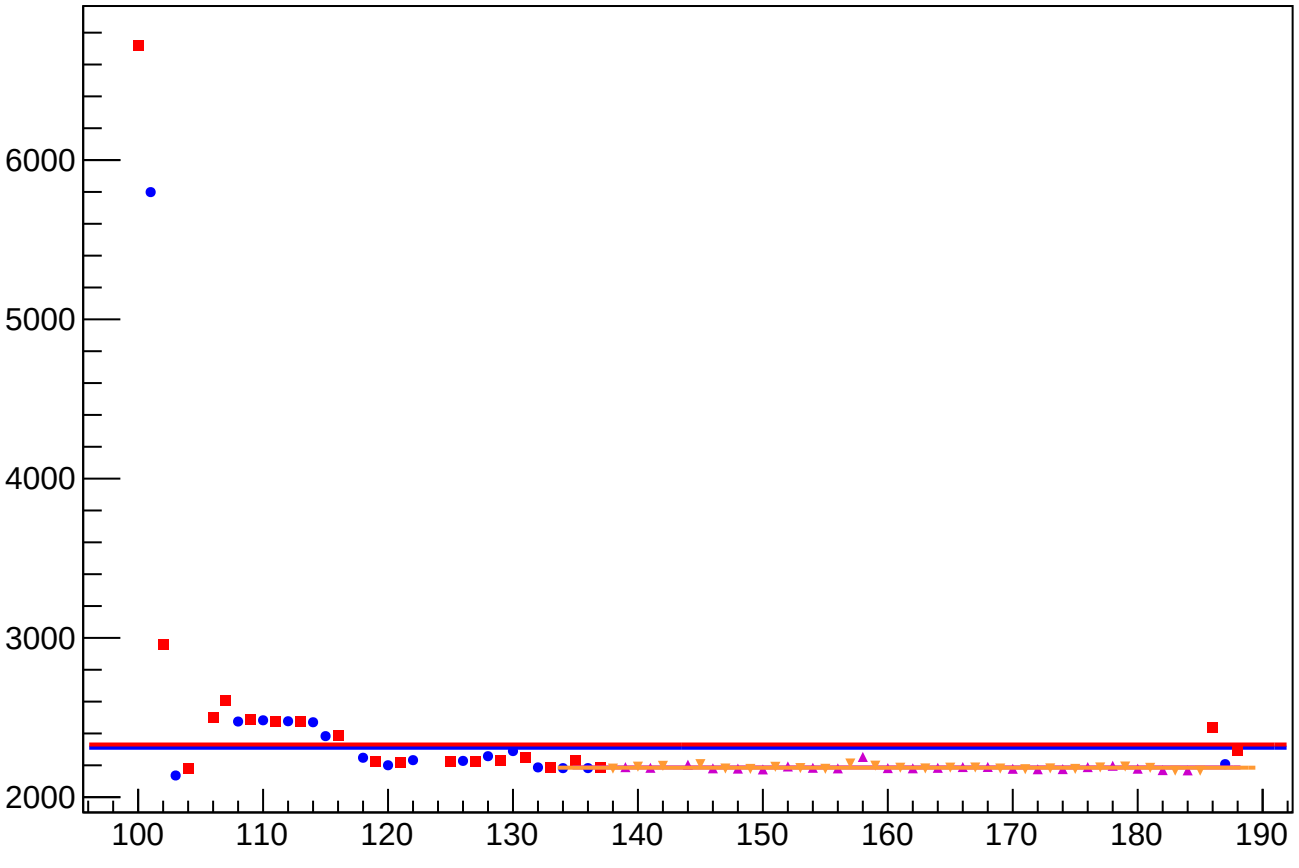
Left: 3958.157+/-359.817 χ^2/NDF: 58.0/46

Right: 4052.940+/-585.842 χ^2/NDF: 32.7/36

In: 4179.690+/-439.358 χ^2/NDF:47.7/39

Out: 3798.466+/-428.071 χ^2/NDF:42.6/43

All: 3984.118+/-306.605 χ^2/NDF: 90.7/83



Right In: 2310.358+/-0.610 χ^2/NDF: 513217.5/16

Left Out: 2185.133+/-0.359 χ^2/NDF:815.1/23

Right Out: 2330.669+/-0.564 χ^2/NDF: 153654.6/19

Left In: 2186.745+/-0.361 χ^2/NDF:2063.9/22

Left: 2185.934+/-0.254 χ^2/NDF: 2889.0/46

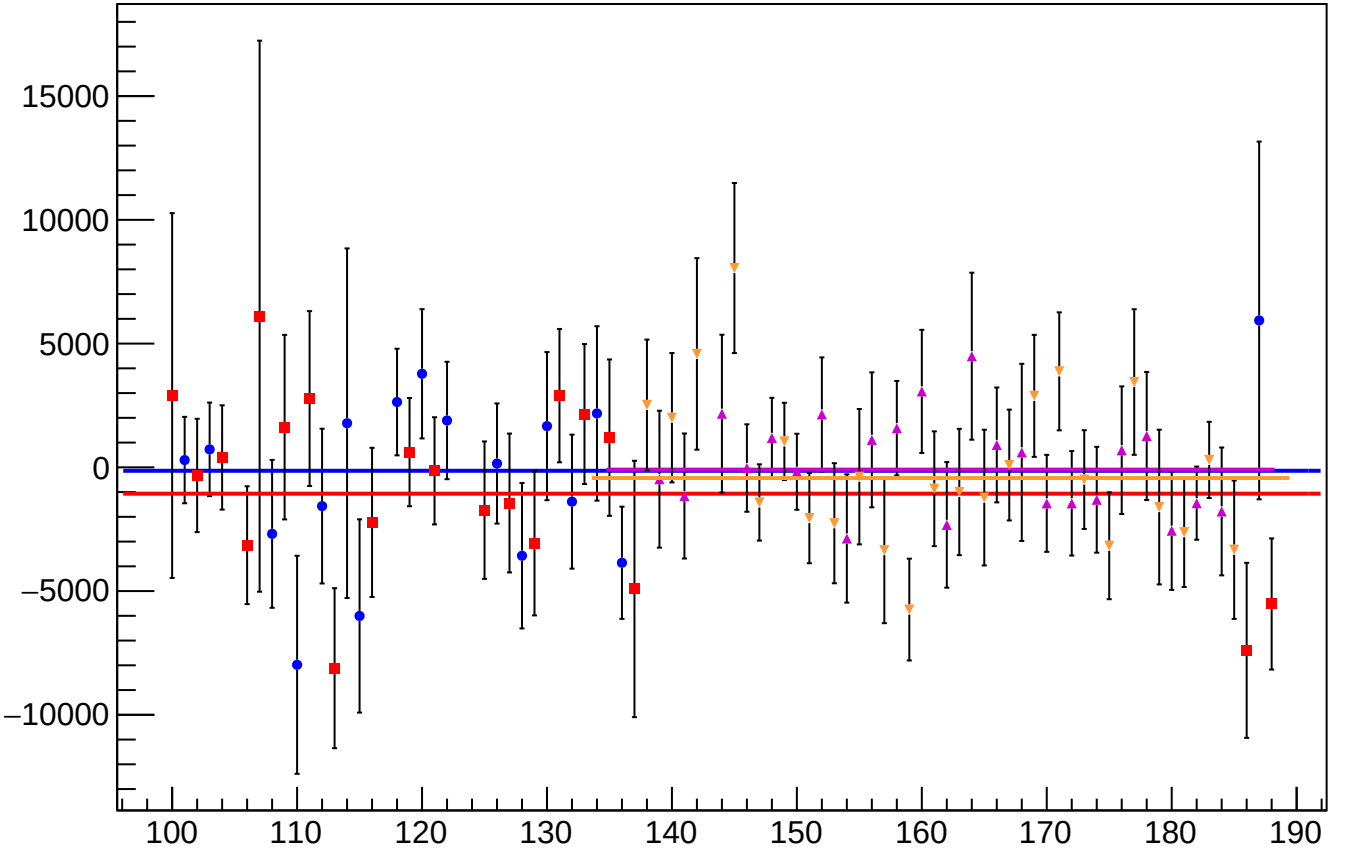
Right: 2321.297+/-0.414 χ^2/NDF: 667469.5/36

In: 2218.825+/-0.311 χ^2/NDF:545704.6/39

Out: 2226.983+/-0.303 χ^2/NDF:201830.3/43

All: 2223.010+/-0.217 χ^2/NDF: 747888.6/83

asym_us_avg_at1lr_avg_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -139.387+/-655.493 χ^2/NDF: 17.1/16

Left Out: -432.320+/-462.383 χ^2/NDF:31.3/23

Right Out: -1064.379+/-645.975 χ^2/NDF: 20.5/19

Left In: -92.604+/-460.670 χ^2/NDF:12.8/22

Left: -261.832+/-326.347 χ^2/NDF: 44.3/46

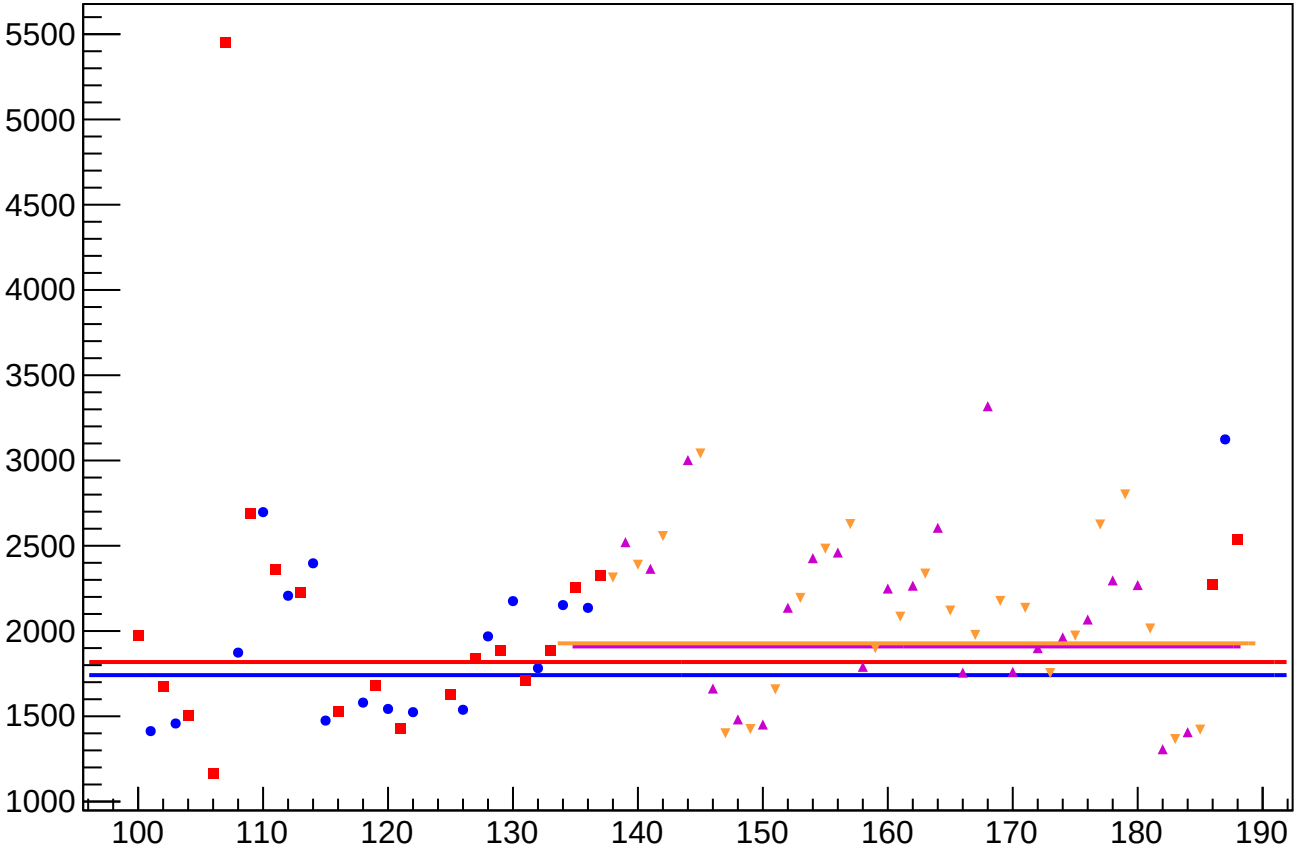
Right: -608.647+/-460.101 χ^2/NDF: 38.7/36

In: -108.071+/-376.902 χ^2/NDF:29.9/39

Out: -646.449+/-375.989 χ^2/NDF:52.5/43

All: -377.913+/-266.186 χ^2/NDF: 83.4/83

asym_us_avg_at1lr_avg_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 1741.362+/-0.464 χ^2/NDF: 553657.4/16

Left Out: 1927.659+/-0.327 χ^2/NDF:1798407.2/23

Right Out: 1818.223+/-0.457 χ^2/NDF: 948229.2/19

Left In: 1909.618+/-0.326 χ^2/NDF:1942286.8/22

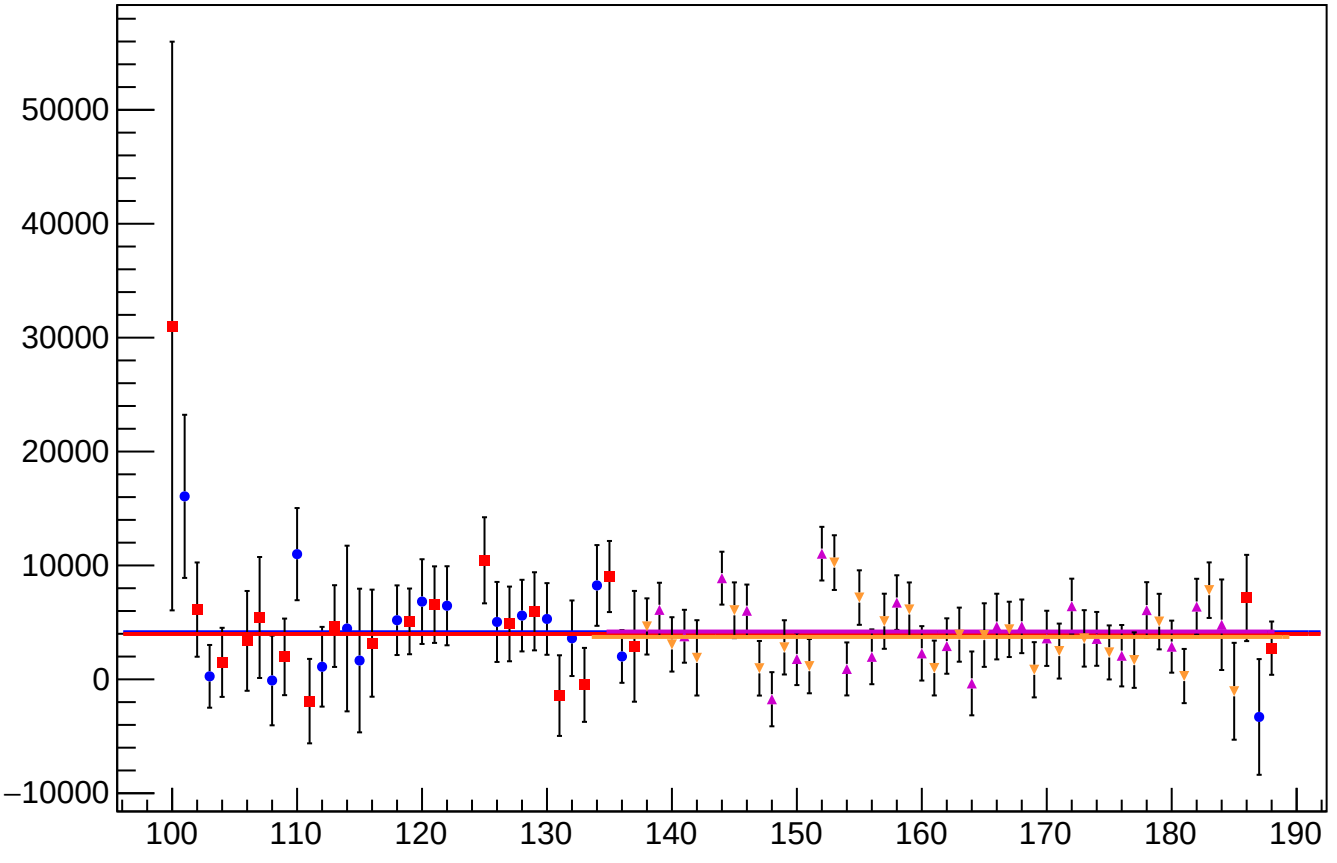
Left: 1918.605+/-0.231 χ^2/NDF: 3742222.0/46

Right: 1780.354+/-0.325 χ^2/NDF: 1515836.9/36

In: 1853.990+/-0.267 χ^2/NDF:2584153.0/39

Out: 1890.584+/-0.266 χ^2/NDF:2784591.1/43

All: 1872.332+/-0.188 χ^2/NDF: 5378193.8/83



Right In: 4132.981+/-862.448 χ^2/NDF: 15.6/16

Left Out: 3723.433+/-507.155 χ^2/NDF:25.4/23

Right Out: 3984.368+/-798.278 χ^2/NDF: 17.1/19

Left In: 4196.060+/-510.578 χ^2/NDF:32.1/22

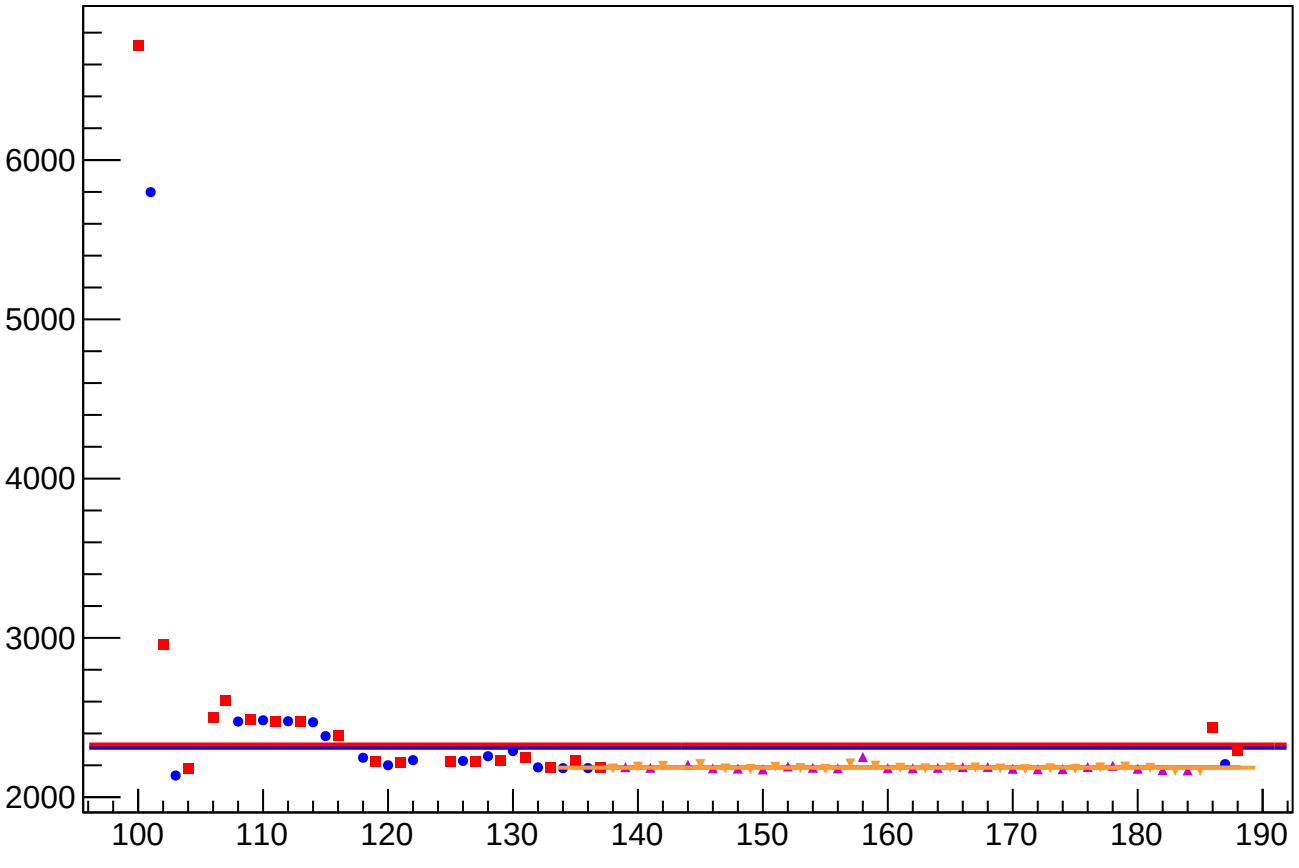
Left: 3958.157+/-359.817 χ^2/NDF: 58.0/46

Right: 4052.940+/-585.842 χ^2/NDF: 32.7/36

In: 4179.690+/-439.358 χ^2/NDF:47.7/39

Out: 3798.466+/-428.071 χ^2/NDF:42.6/43

All: 3984.118+/-306.605 χ^2/NDF: 90.7/83



Right In: 2310.358+/-0.610 χ^2/NDF: 513217.5/16

Left Out: 2185.133+/-0.359 χ^2/NDF:815.1/23

Right Out: 2330.669+/-0.564 χ^2/NDF: 153654.6/19

Left In: 2186.745+/-0.361 χ^2/NDF:2063.9/22

Left: 2185.934+/-0.254 χ^2/NDF: 2889.0/46

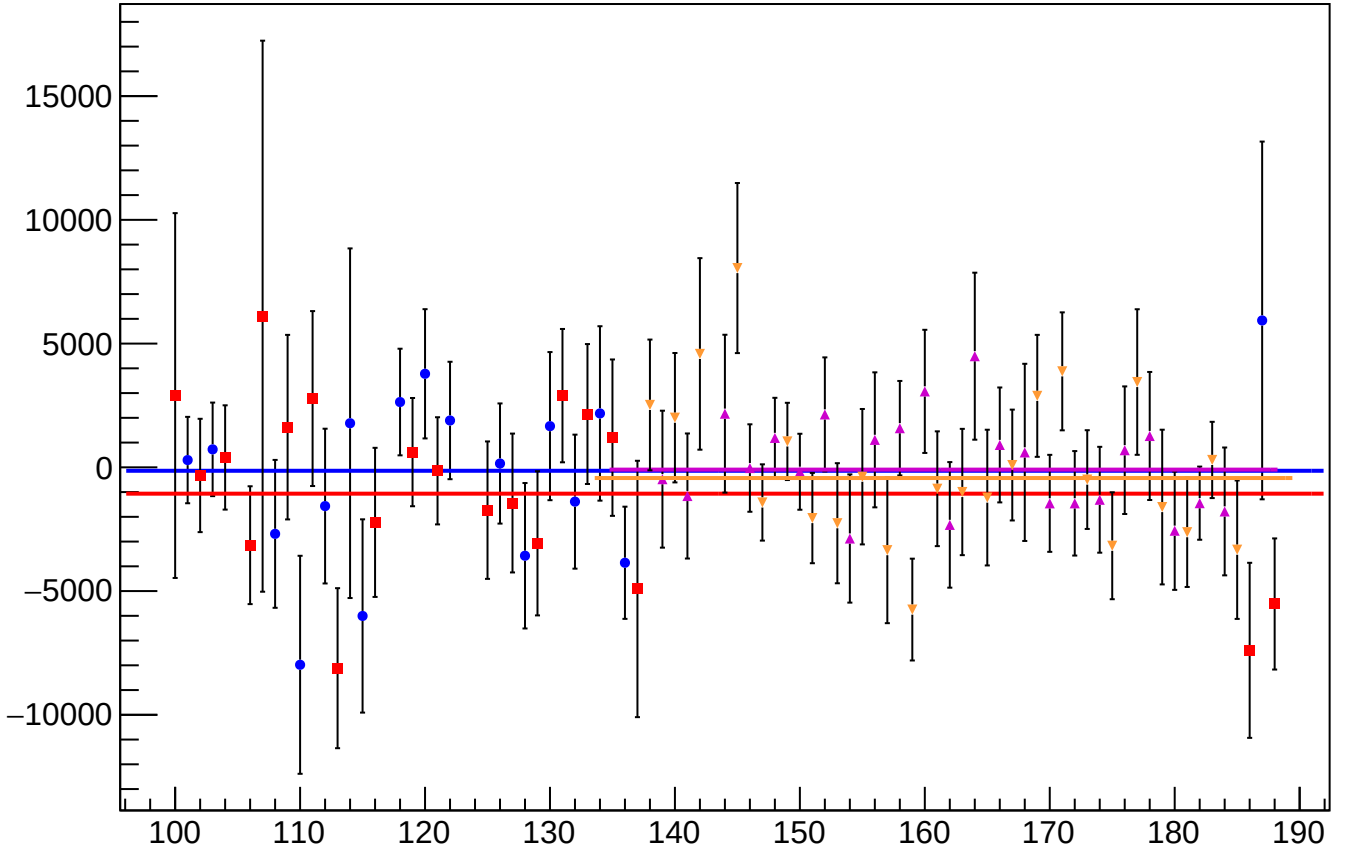
Right: 2321.297+/-0.414 χ^2/NDF: 667469.5/36

In: 2218.825+/-0.311 χ^2/NDF:545704.6/39

Out: 2226.983+/-0.303 χ^2/NDF:201830.3/43

All: 2223.010+/-0.217 χ^2/NDF: 747888.6/83

asym_us_avg_at1lr_avg_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -139.387+/-655.493 χ^2/NDF: 17.1/16

Left Out: -432.320+/-462.383 χ^2/NDF:31.3/23

Right Out: -1064.379+/-645.975 χ^2/NDF: 20.5/19

Left In: -92.604+/-460.670 χ^2/NDF:12.8/22

Left: -261.832+/-326.347 χ^2/NDF: 44.3/46

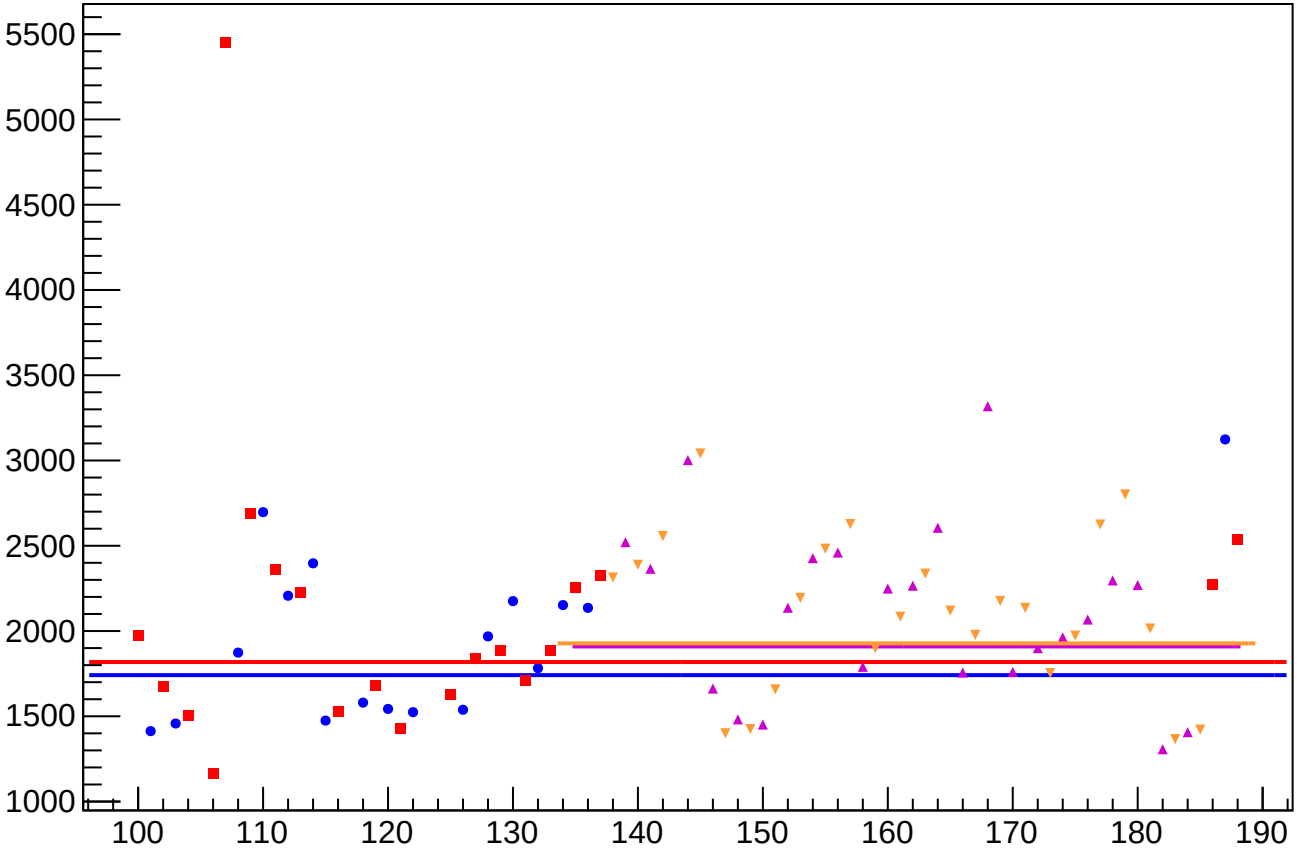
Right: -608.647+/-460.101 χ^2/NDF: 38.7/36

In: -108.071+/-376.902 χ^2/NDF:29.9/39

Out: -646.449+/-375.989 χ^2/NDF:52.5/43

All: -377.913+/-266.186 χ^2/NDF: 83.4/83

asym_us_avg_at1lr_avg_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1741.362+/-0.464 χ^2/NDF: 553657.4/16

Left Out: 1927.659+/-0.327 χ^2/NDF:1798407.2/23

Right Out: 1818.223+/-0.457 χ^2/NDF: 948229.2/19

Left In: 1909.618+/-0.326 χ^2/NDF:1942286.8/22

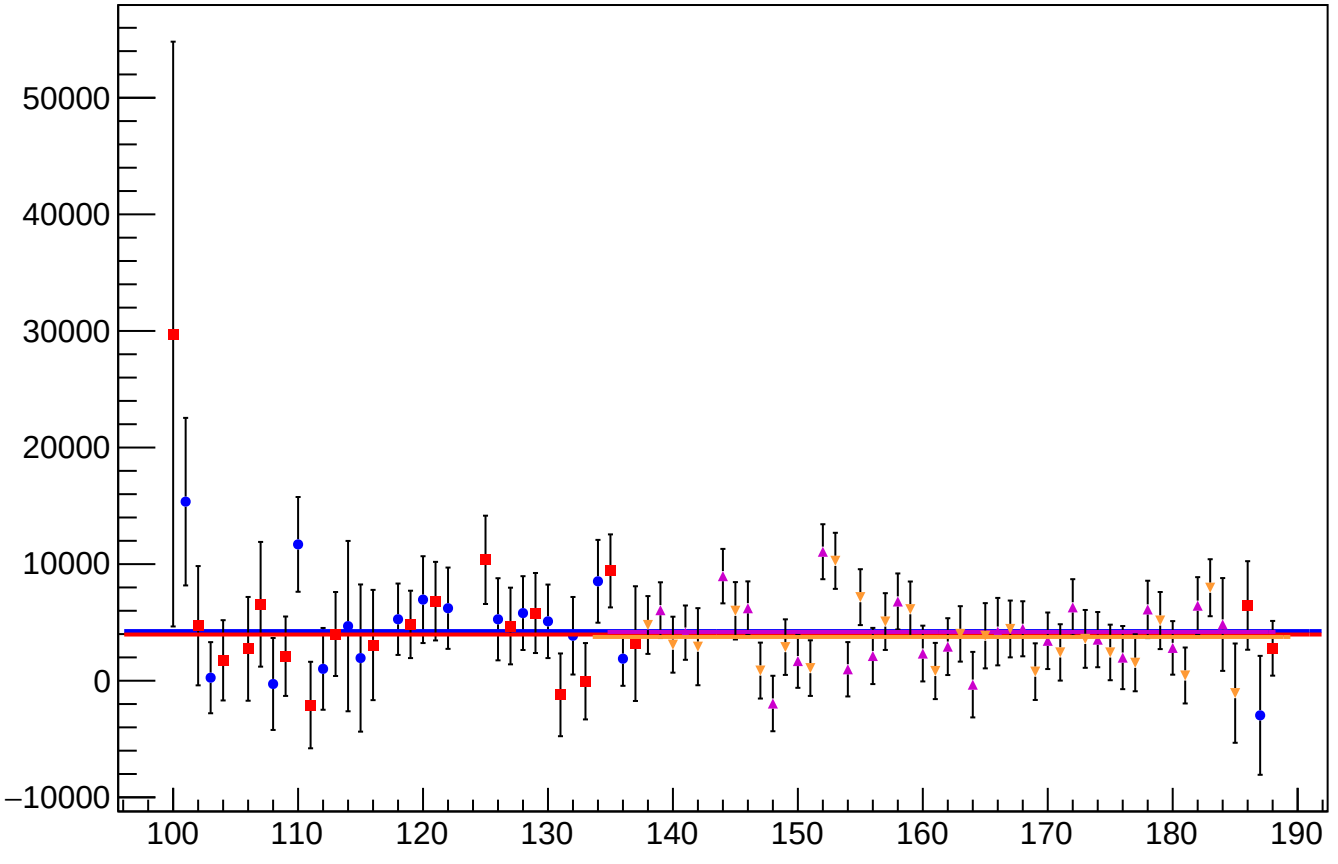
Left: 1918.605+/-0.231 χ^2/NDF: 3742222.0/46

Right: 1780.354+/-0.325 χ^2/NDF: 1515836.9/36

In: 1853.990+/-0.267 χ^2/NDF:2584153.0/39

Out: 1890.584+/-0.266 χ^2/NDF:2784591.1/43

All: 1872.332+/-0.188 χ^2/NDF: 5378193.8/83



Right In: 4258.296+/-873.009 χ^2/NDF: 15.6/16

Left Out: 3754.065+/-508.568 χ^2/NDF:25.7/23

Right Out: 3962.813+/-813.220 χ^2/NDF: 16.2/19

Left In: 4184.214+/-511.864 χ^2/NDF:32.7/22

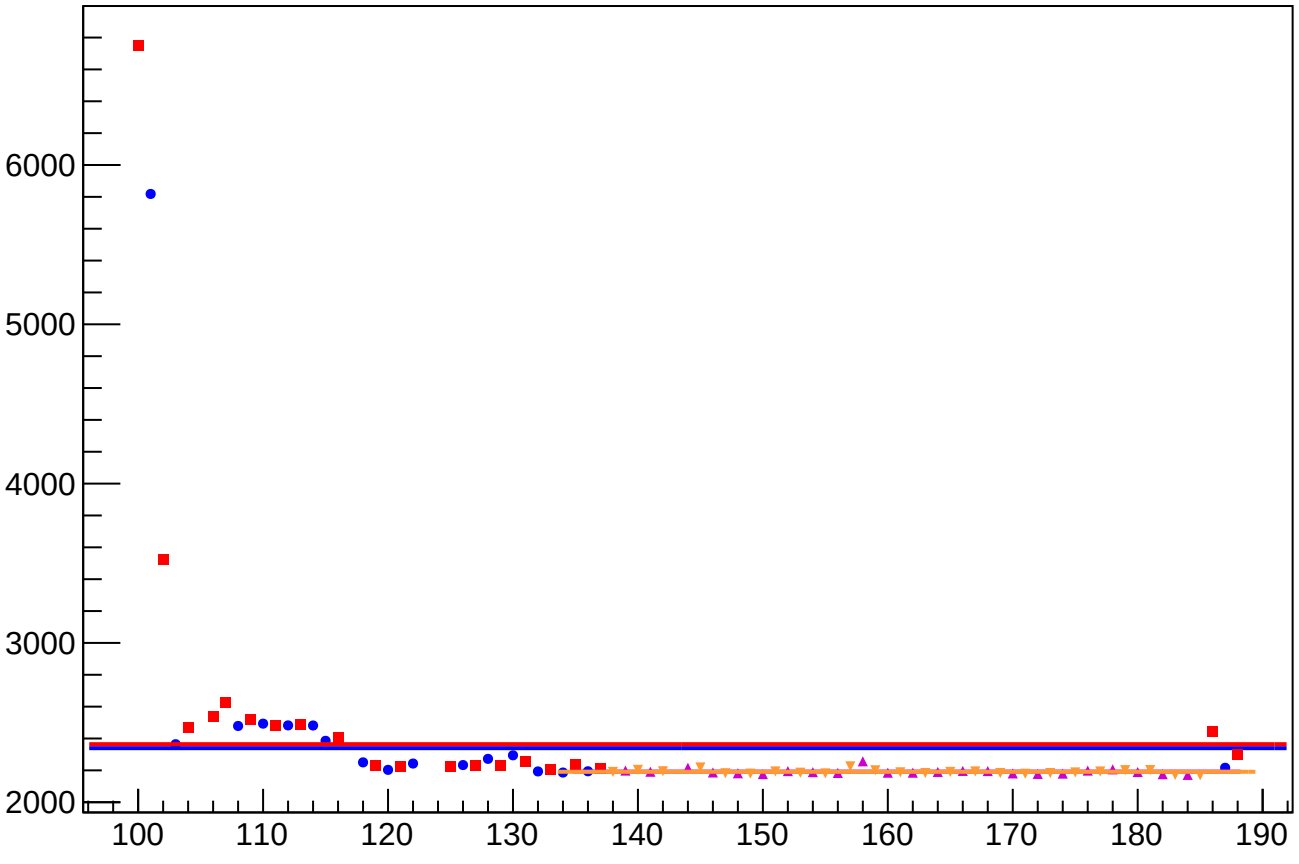
Left: 3967.750+/-360.772 χ^2/NDF: 58.7/46

Right: 4100.091+/-595.049 χ^2/NDF: 31.9/36

In: 4203.166+/-441.562 χ^2/NDF:48.3/39

Out: 3812.753+/-431.192 χ^2/NDF:41.9/43

All: 4003.322+/-308.500 χ^2/NDF: 90.6/83



Right In: 2339.202+/-0.617 χ^2/NDF: 504064.1/16

Left Out: 2191.147+/-0.360 χ^2/NDF:1228.9/23

Right Out: 2364.425+/-0.575 χ^2/NDF: 212647.2/19

Left In: 2192.201+/-0.362 χ^2/NDF:2281.8/22

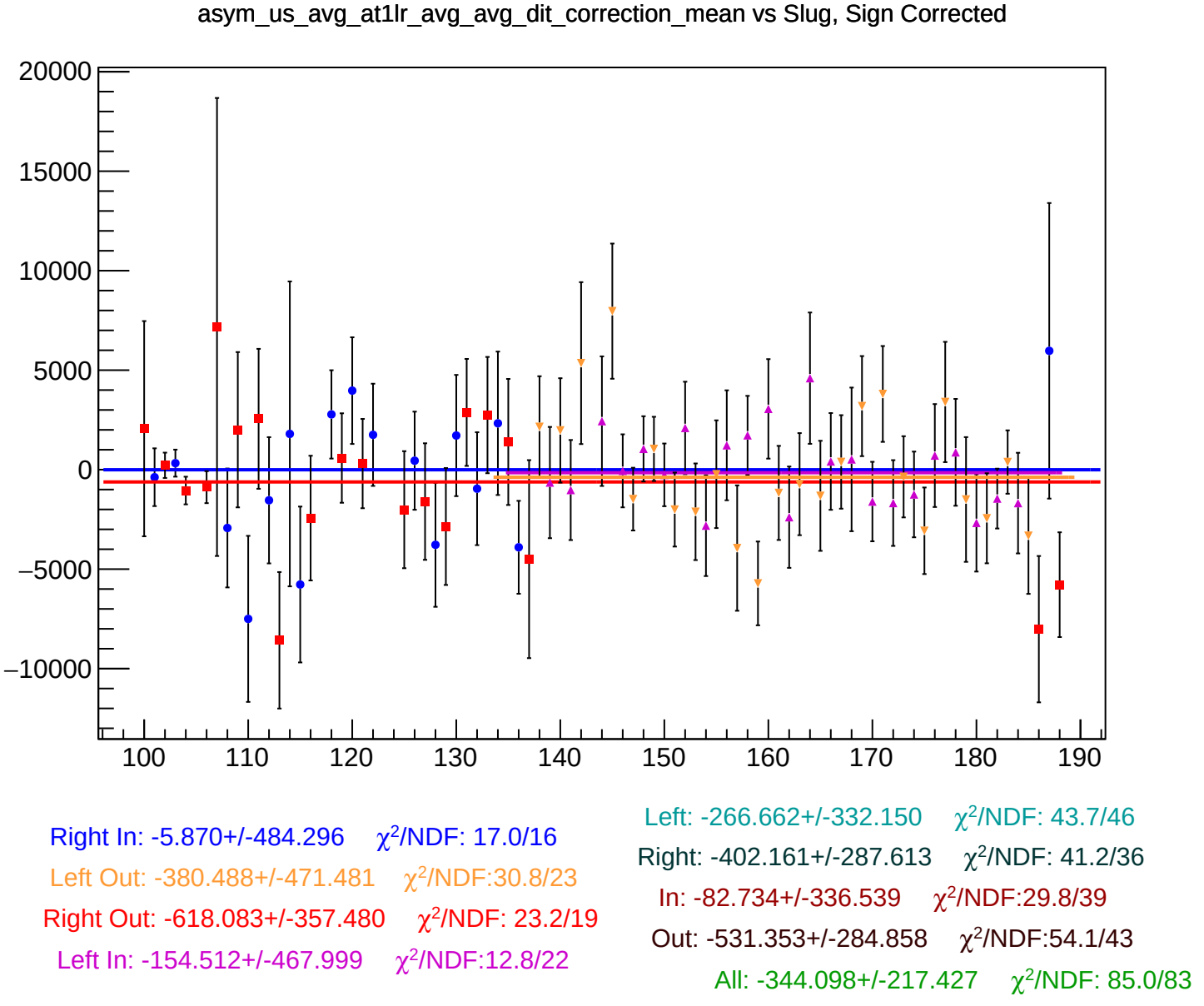
Left: 2191.670+/-0.255 χ^2/NDF: 3515.0/46

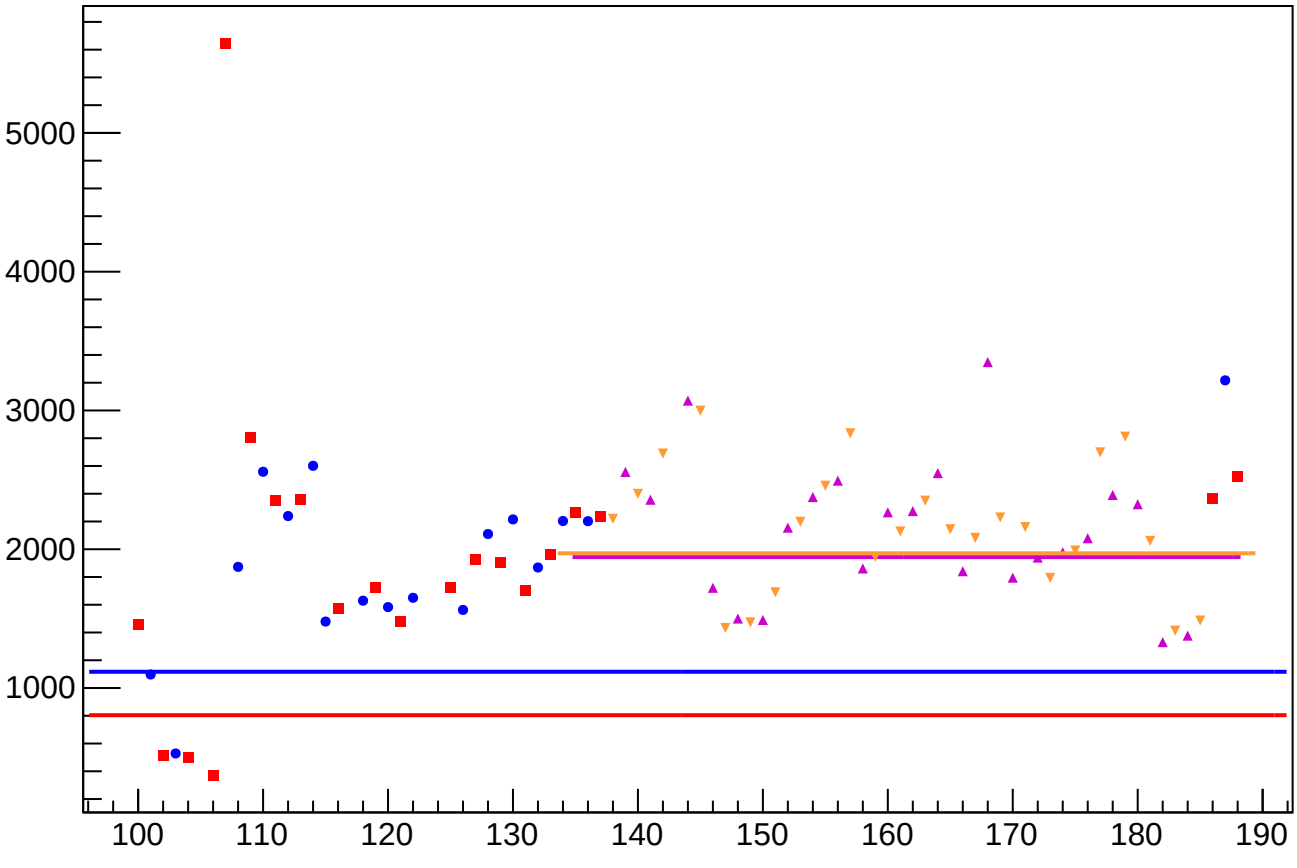
Right: 2352.707+/-0.421 χ^2/NDF: 717605.2/36

In: 2229.808+/-0.312 χ^2/NDF:548545.5/39

Out: 2239.863+/-0.305 χ^2/NDF:279151.4/43

All: 2234.955+/-0.218 χ^2/NDF: 828227.8/83


asym_us_avg_at1lr_avg_avg_dit_correction_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
180
190
Right In: -5.870+/-484.296 χ²/NDF: 17.0/16
Left Out: -380.488+/-471.481 χ²/NDF:30.8/23
Right Out: -618.083+/-357.480 χ²/NDF: 23.2/19
Left In: -154.512+/-467.999 χ²/NDF:12.8/22
Left: -266.662+/-332.150 χ²/NDF: 43.7/46
Right: -402.161+/-287.613 χ²/NDF: 41.2/36
In: -82.734+/-336.539 χ²/NDF:29.8/39
Out: -531.353+/-284.858 χ²/NDF:54.1/43
All: -344.098+/-217.427 χ²/NDF: 85.0/83



Right In: 1117.104+/-0.342 χ^2/NDF: 3907015.6/16

Left Out: 1970.655+/-0.333 χ^2/NDF:1696659.6/23

Right Out: 804.114+/-0.253 χ^2/NDF: 6847118.9/19

Left In: 1943.628+/-0.331 χ^2/NDF:1882933.7/22

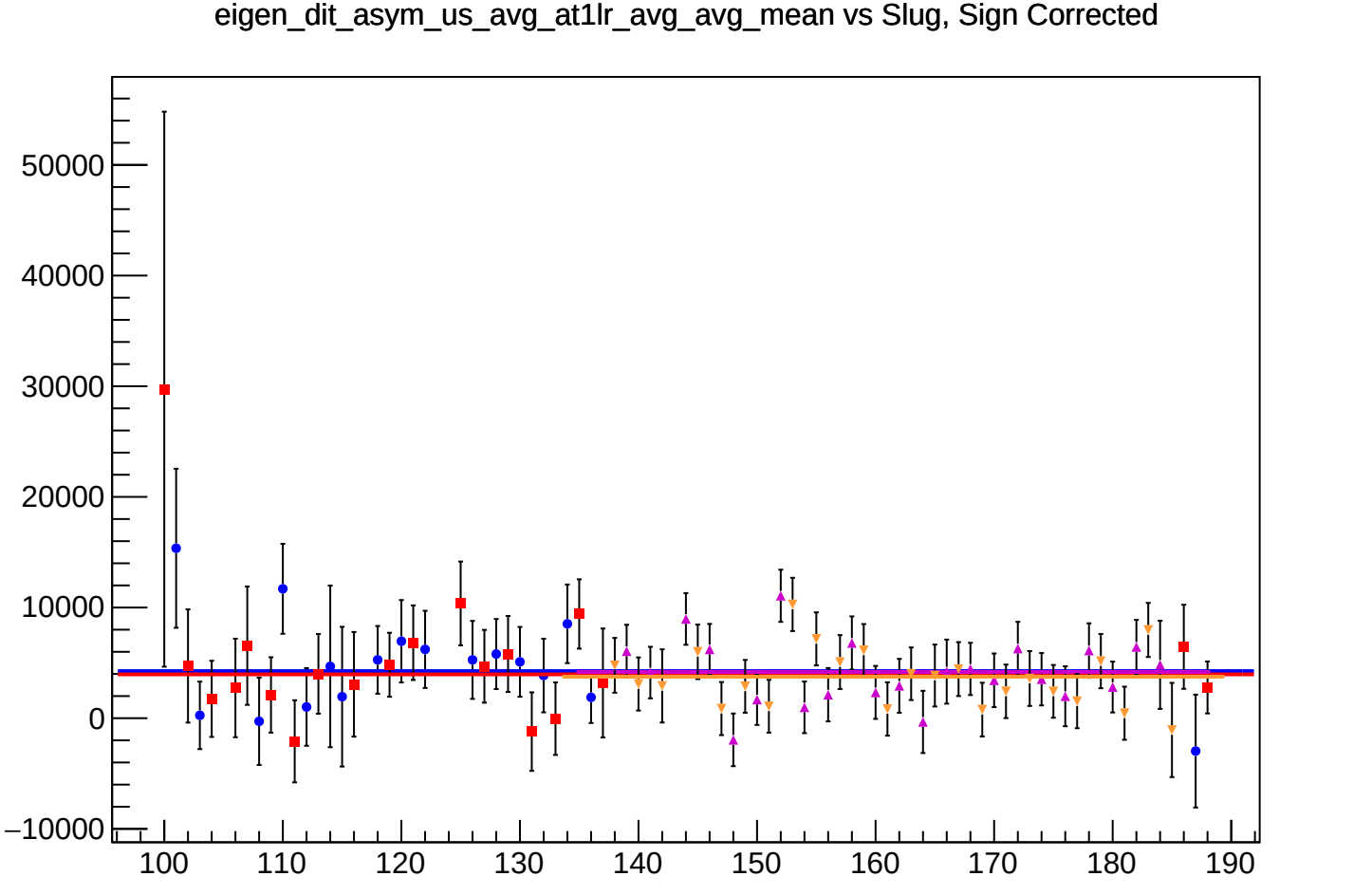
Left: 1957.041+/-0.235 χ^2/NDF: 3582903.8/46

Right: 914.503+/-0.203 χ^2/NDF: 11294865.5/36

In: 1544.506+/-0.238 χ^2/NDF:8802260.3/39

Out: 1229.938+/-0.201 χ^2/NDF:16317961.3/43

All: 1361.239+/-0.154 χ^2/NDF: 26138246.7/8



Right In: 4258.292+/-873.009 χ^2/NDF: 15.6/16

Left Out: 3754.064+/-508.568 χ^2/NDF:25.7/23

Right Out: 3962.808+/-813.220 χ^2/NDF: 16.2/19

Left In: 4184.214+/-511.864 χ^2/NDF:32.7/22

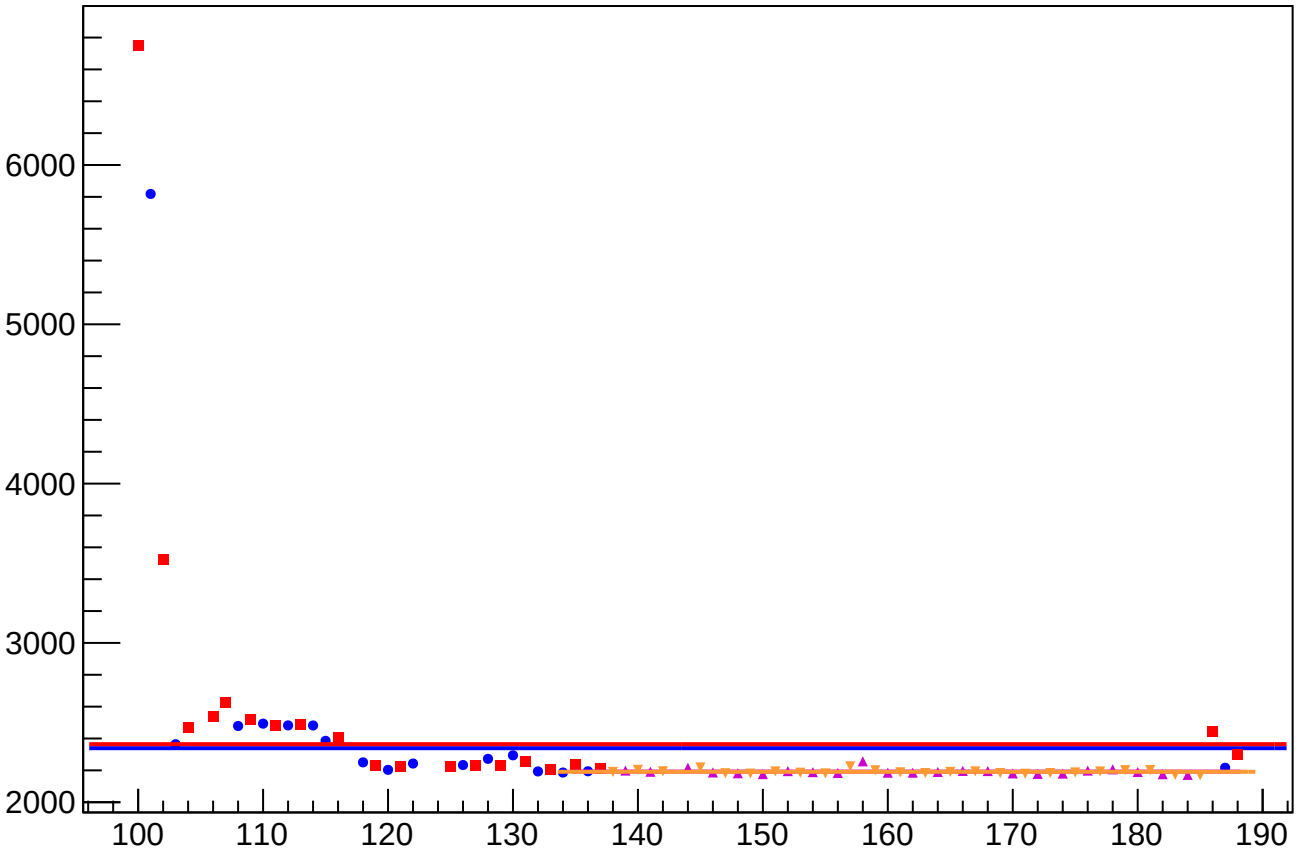
Left: 3967.750+/-360.772 χ^2/NDF: 58.7/46

Right: 4100.086+/-595.049 χ^2/NDF: 31.9/36

In: 4203.165+/-441.562 χ^2/NDF:48.3/39

Out: 3812.750+/-431.192 χ^2/NDF:41.9/43

All: 4003.320+/-308.500 χ^2/NDF: 90.6/83



Right In: 2339.202+/-0.617 χ^2/NDF: 504064.1/16

Left Out: 2191.147+/-0.360 χ^2/NDF:1228.9/23

Right Out: 2364.425+/-0.575 χ^2/NDF: 212646.1/19

Left In: 2192.201+/-0.362 χ^2/NDF:2281.8/22

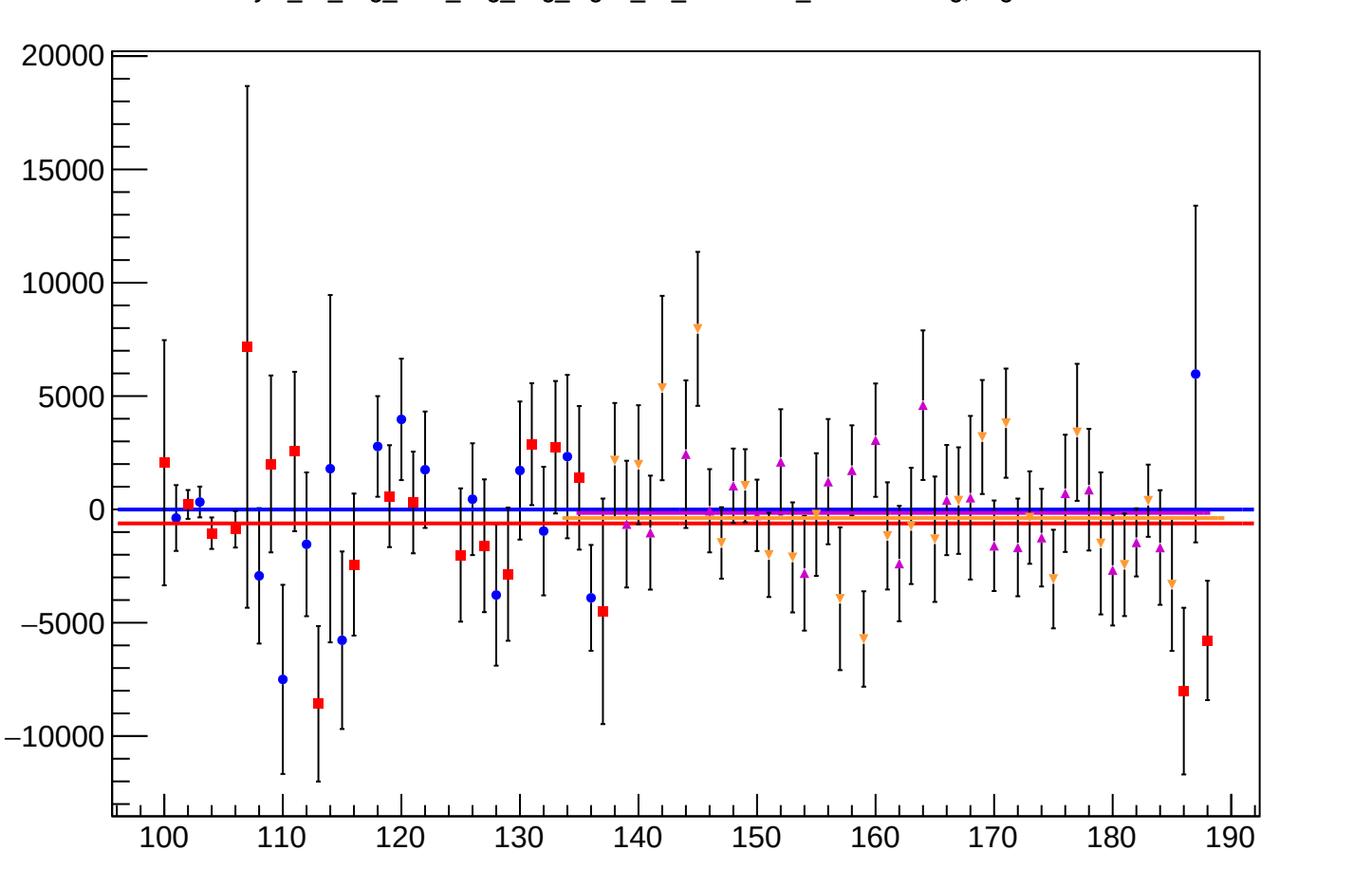
Left: 2191.670+/-0.255 χ^2/NDF: 3515.0/46

Right: 2352.706+/-0.421 χ^2/NDF: 717604.1/36

In: 2229.808+/-0.312 χ^2/NDF:548545.3/39

Out: 2239.863+/-0.305 χ^2/NDF:279150.0/43

All: 2234.955+/-0.218 χ^2/NDF: 828226.1/83



Right In: -5.876+/-484.298 χ^2/NDF: 17.0/16

Left Out: -380.492+/-471.482 χ^2/NDF:30.8/23

Right Out: -618.090+/-357.485 χ^2/NDF: 23.2/19

Left In: -154.512+/-468.000 χ^2/NDF:12.8/22

Left: -266.664+/-332.150 χ^2/NDF: 43.7/46

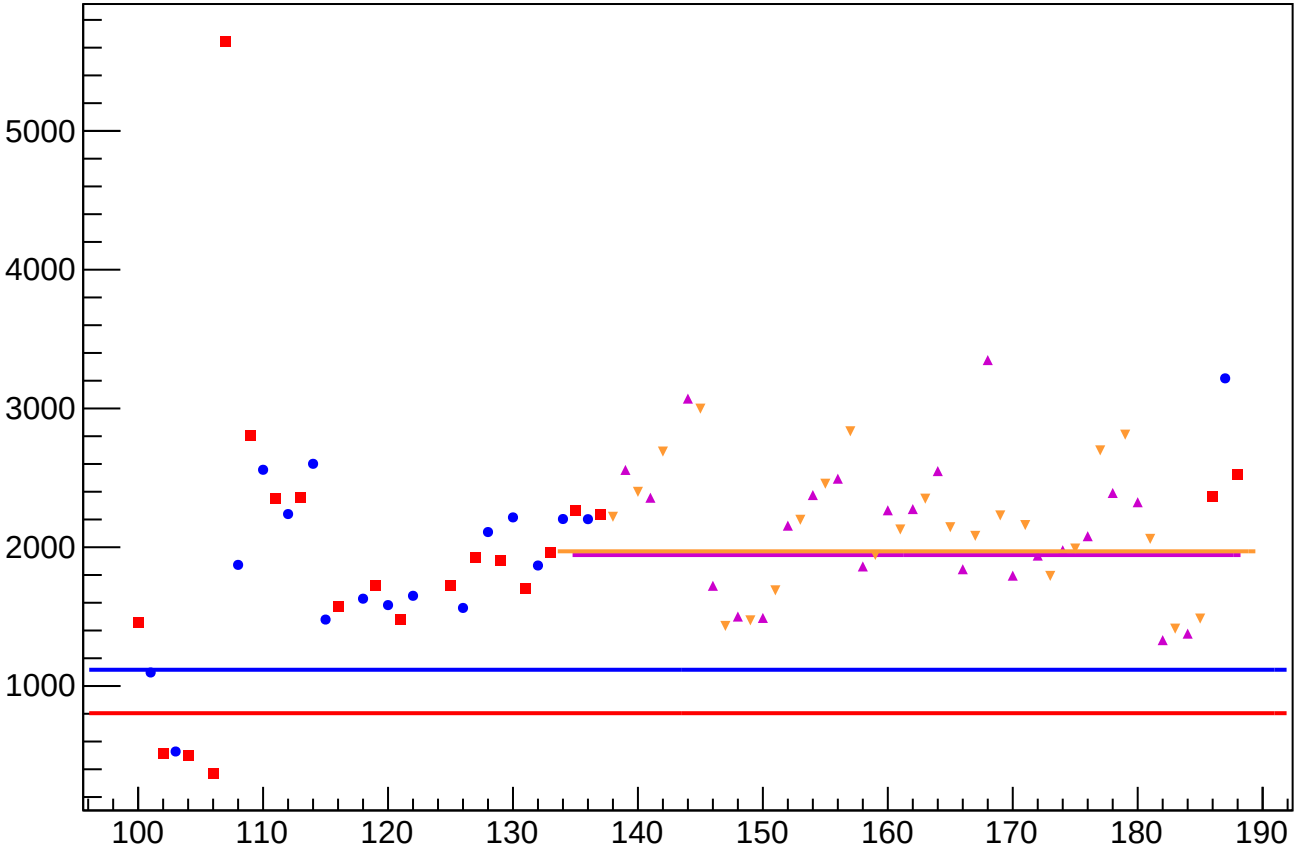
Right: -402.166+/-287.616 χ^2/NDF: 41.2/36

In: -82.737+/-336.541 χ^2/NDF:29.8/39

Out: -531.358+/-284.861 χ^2/NDF:54.1/43

All: -344.102+/-217.428 χ^2/NDF: 85.0/83

asym_us_avg_at1lr_avg_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1117.114+/-0.342 χ^2/NDF: 3906939.3/16

Left Out: 1970.659+/-0.333 χ^2/NDF:1696658.8/23

Right Out: 804.130+/-0.253 χ^2/NDF: 6846979.9/19

Left In: 1943.631+/-0.331 χ^2/NDF:1882931.8/22

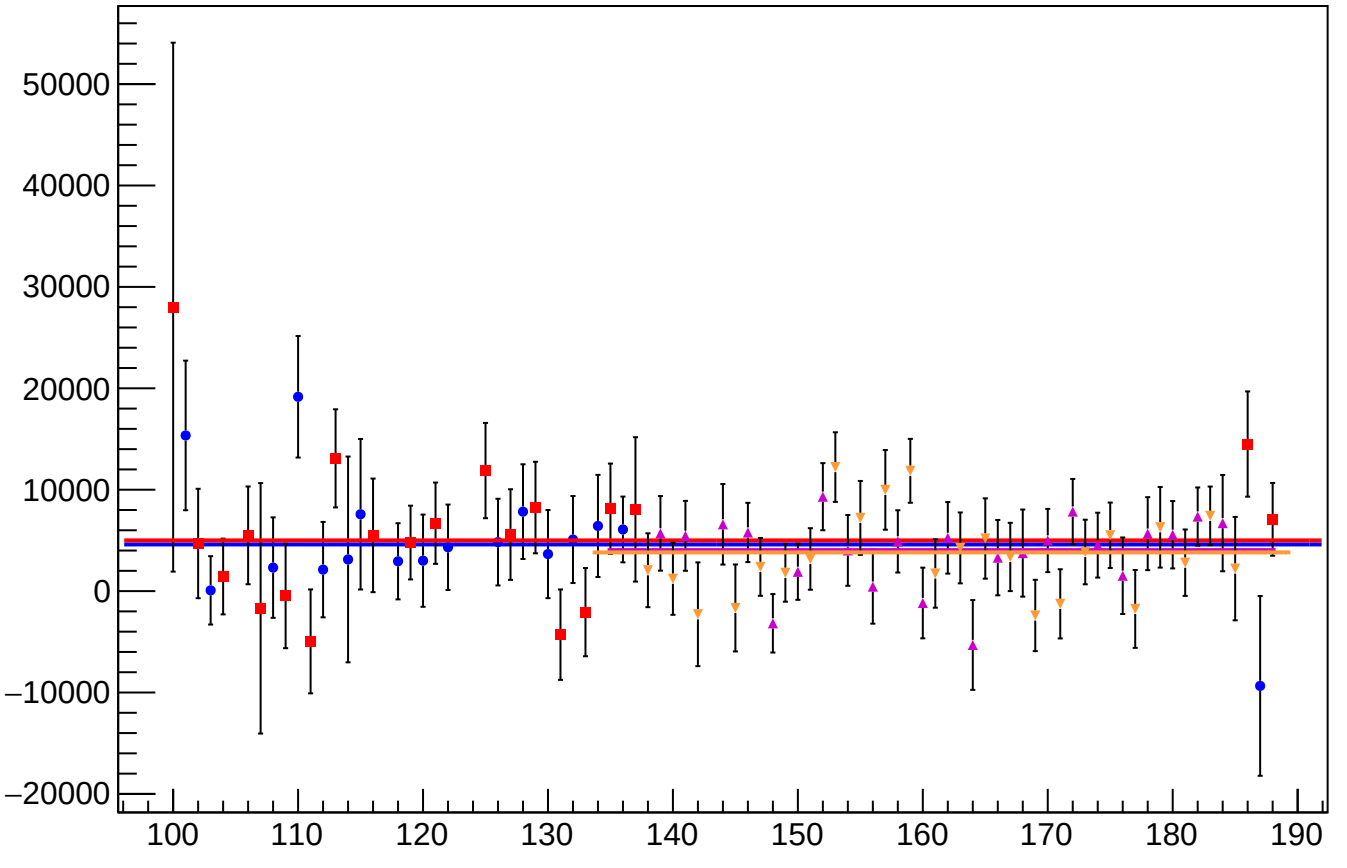
Left: 1957.045+/-0.235 χ^2/NDF: 3582901.0/46

Right: 914.518+/-0.203 χ^2/NDF: 11294621.0/36

In: 1544.514+/-0.238 χ^2/NDF:8802114.4/39

Out: 1229.955+/-0.201 χ^2/NDF:16317567.8/43

All: 1361.253+/-0.154 χ^2/NDF: 26137636.0/8



Right In: 4602.082+/-1133.162 χ^2/NDF: 14.2/16

Left Out: 3817.837+/-708.312 χ^2/NDF:30.9/23

Right Out: 5001.964+/-1067.109 χ^2/NDF: 23.9/19

Left In: 4042.422+/-709.573 χ^2/NDF:22.5/22

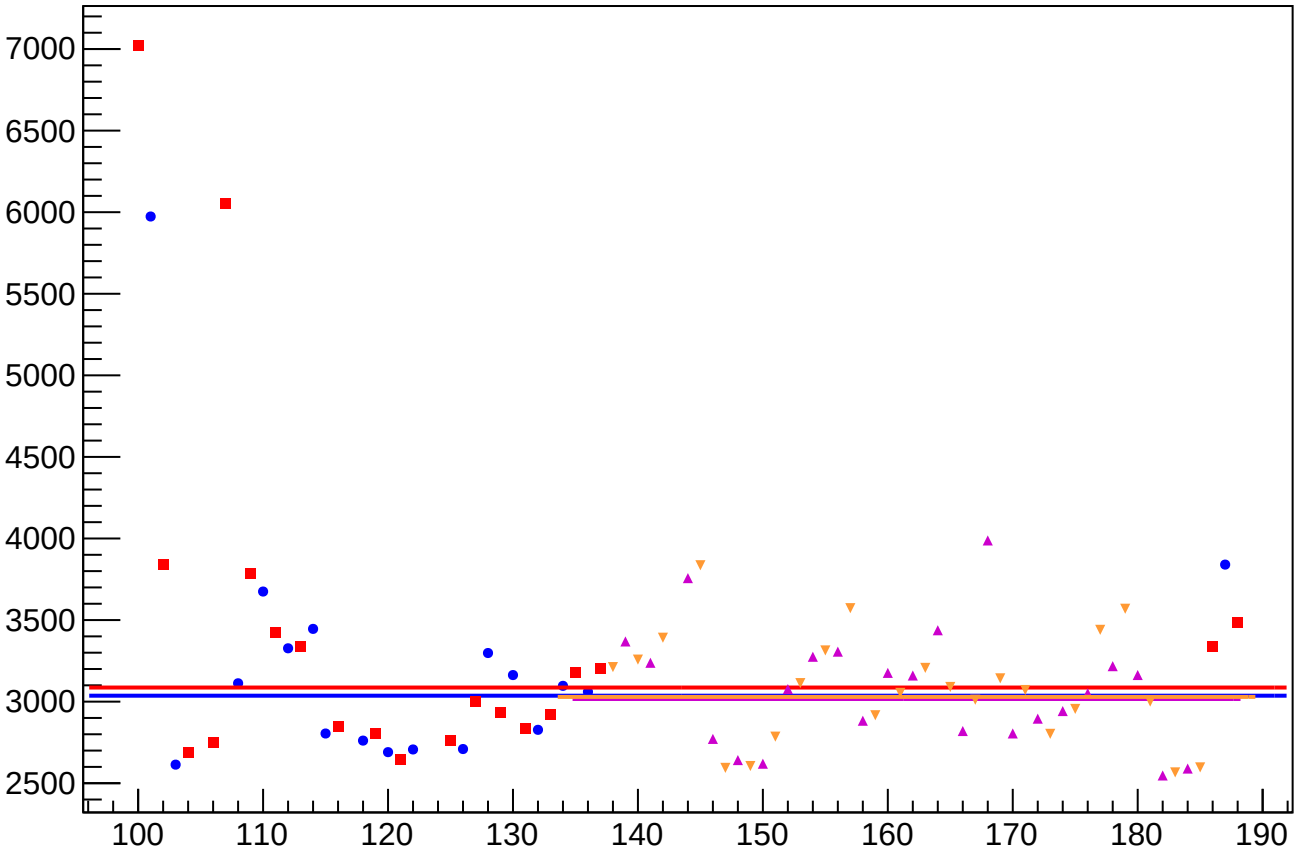
Left: 3929.930+/-501.297 χ^2/NDF: 53.4/46

Right: 4814.017+/-776.862 χ^2/NDF: 38.2/36

In: 4200.060+/-601.395 χ^2/NDF:36.9/39

Out: 4179.988+/-590.140 χ^2/NDF:55.7/43

All: 4189.834+/-421.215 χ^2/NDF: 92.5/83



Right In: 3036.416+/-0.801 χ^2/NDF: 460411.0/16

Left Out: 3028.983+/-0.501 χ^2/NDF:397111.2/23

Right Out: 3086.446+/-0.755 χ^2/NDF: 376012.4/19

Left In: 3016.252+/-0.502 χ^2/NDF:439897.8/22

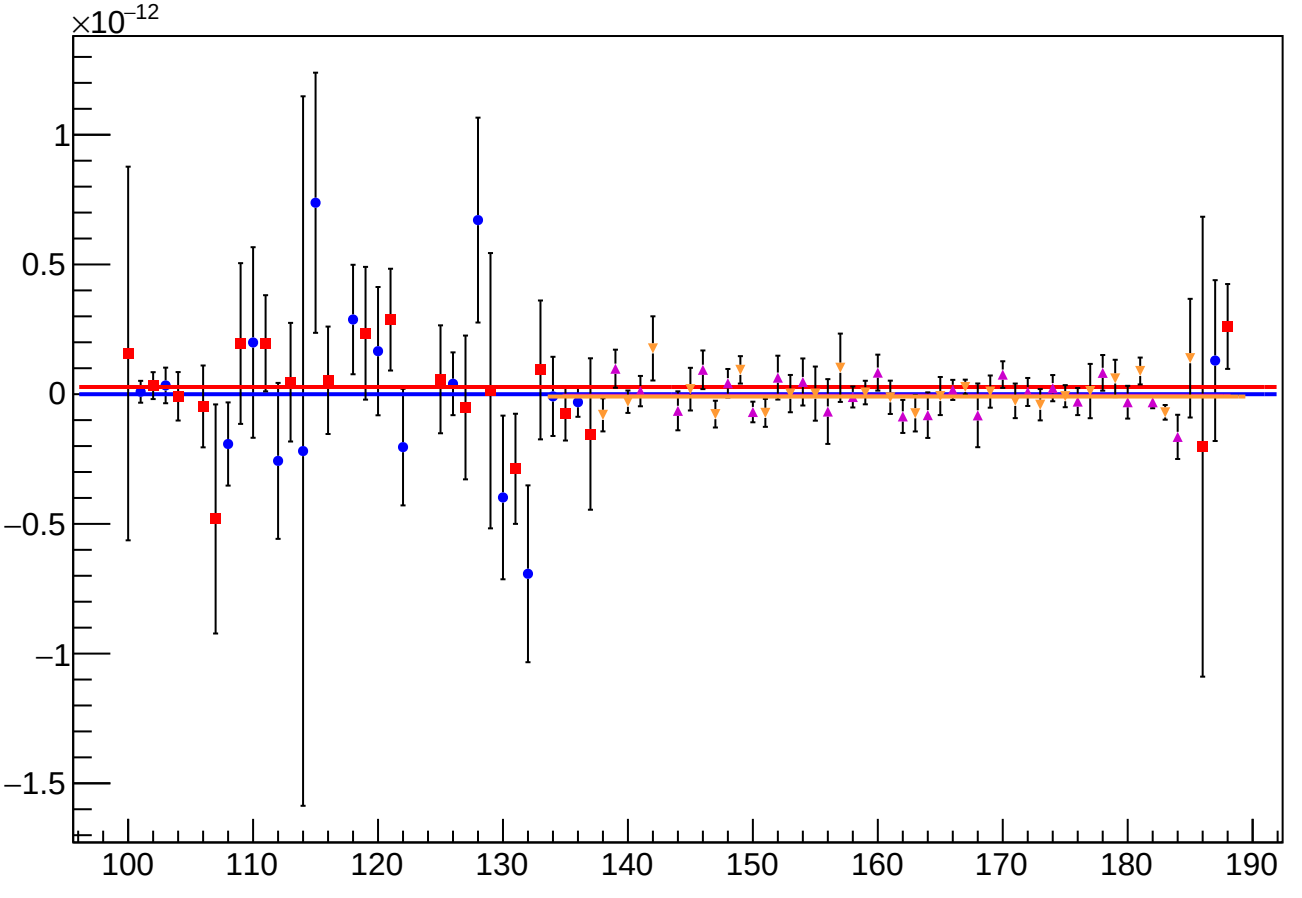
Left: 3022.629+/-0.354 χ^2/NDF: 837331.5/46

Right: 3062.932+/-0.549 χ^2/NDF: 838489.7/36

In: 3021.931+/-0.425 χ^2/NDF:900763.8/39

Out: 3046.558+/-0.417 χ^2/NDF:777149.4/43

All: 3034.477+/-0.298 χ^2/NDF: 1679621.6/83



Right In: -0.000+/-0.000 χ^2/NDF: 17.3/16

Left Out: -0.000+/-0.000 χ^2/NDF:24.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 11.2/19

Left In: -0.000+/-0.000 χ^2/NDF:23.3/22

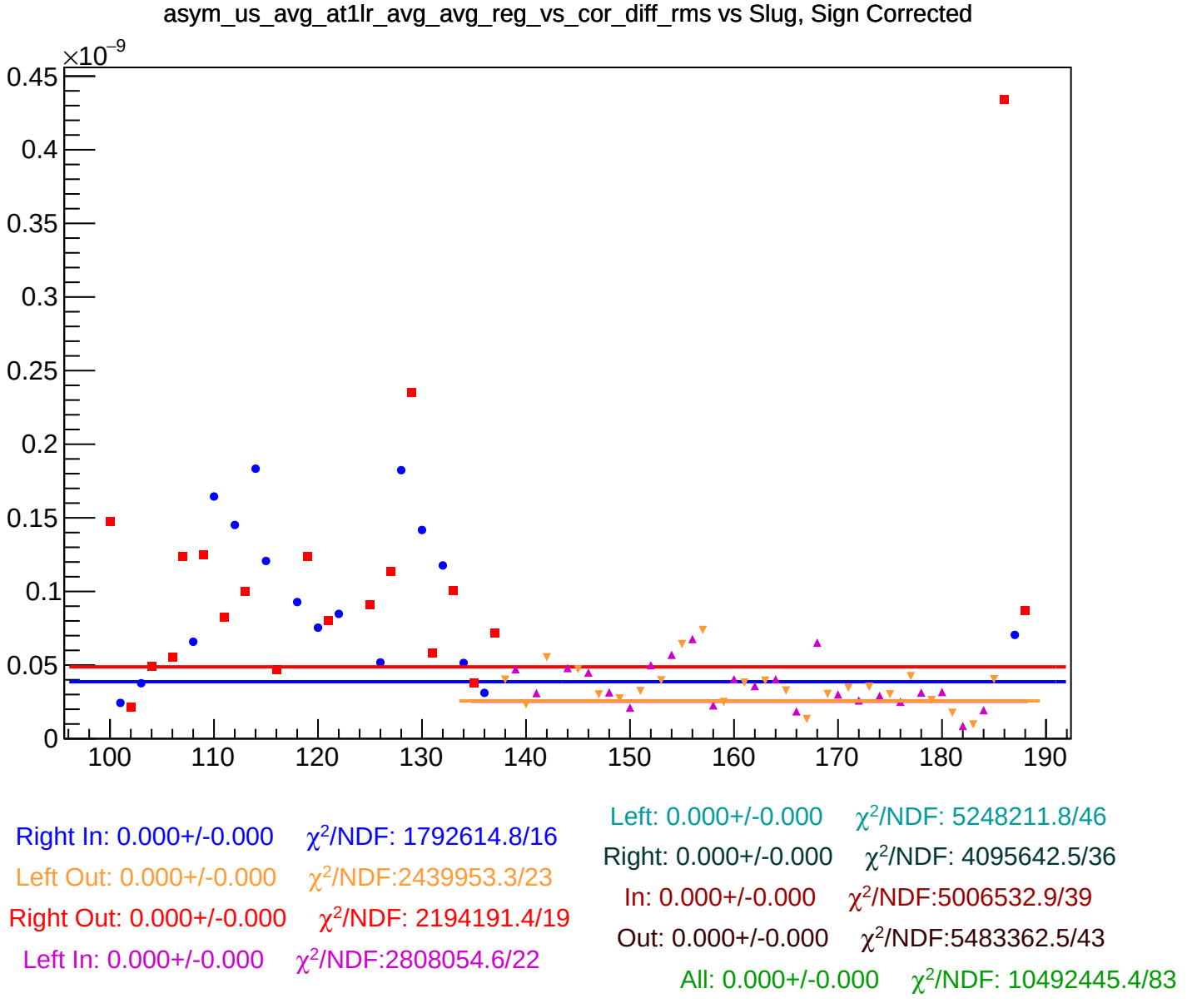
Left: -0.000+/-0.000 χ^2/NDF: 47.5/46

Right: 0.000+/-0.000 χ^2/NDF: 28.9/36

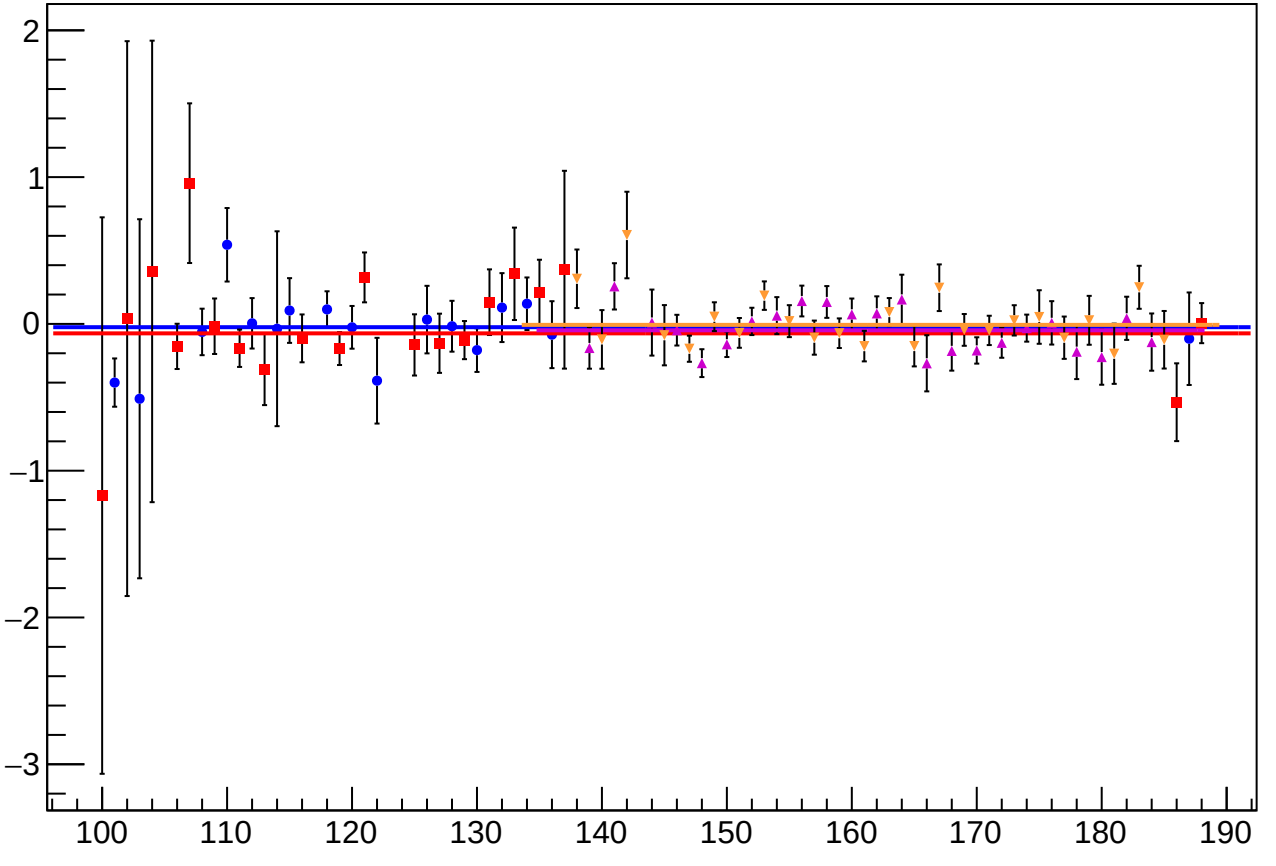
In: -0.000+/-0.000 χ^2/NDF:40.6/39

Out: -0.000+/-0.000 χ^2/NDF:36.4/43

All: -0.000+/-0.000 χ^2/NDF: 77.0/83


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
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 1792614.8/16
Left Out: 0.000+/-0.000 χ²/NDF:2439953.3/23
Right Out: 0.000+/-0.000 χ²/NDF: 2194191.4/19
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: 4095642.5/36
In: 0.000+/-0.000 χ²/NDF:5006532.9/39
Out: 0.000+/-0.000 χ²/NDF:5483362.5/43
All: 0.000+/-0.000 χ²/NDF: 10492445.4/83

asym_us_avg_at1lr_avg_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.022+/-0.047 χ^2/NDF: 15.7/16

Left Out: -0.007+/-0.025 χ^2/NDF:27.7/23

Right Out: -0.064+/-0.043 χ^2/NDF: 20.3/19

Left In: -0.044+/-0.025 χ^2/NDF:30.3/22

Left: -0.025+/-0.018 χ^2/NDF: 59.0/46

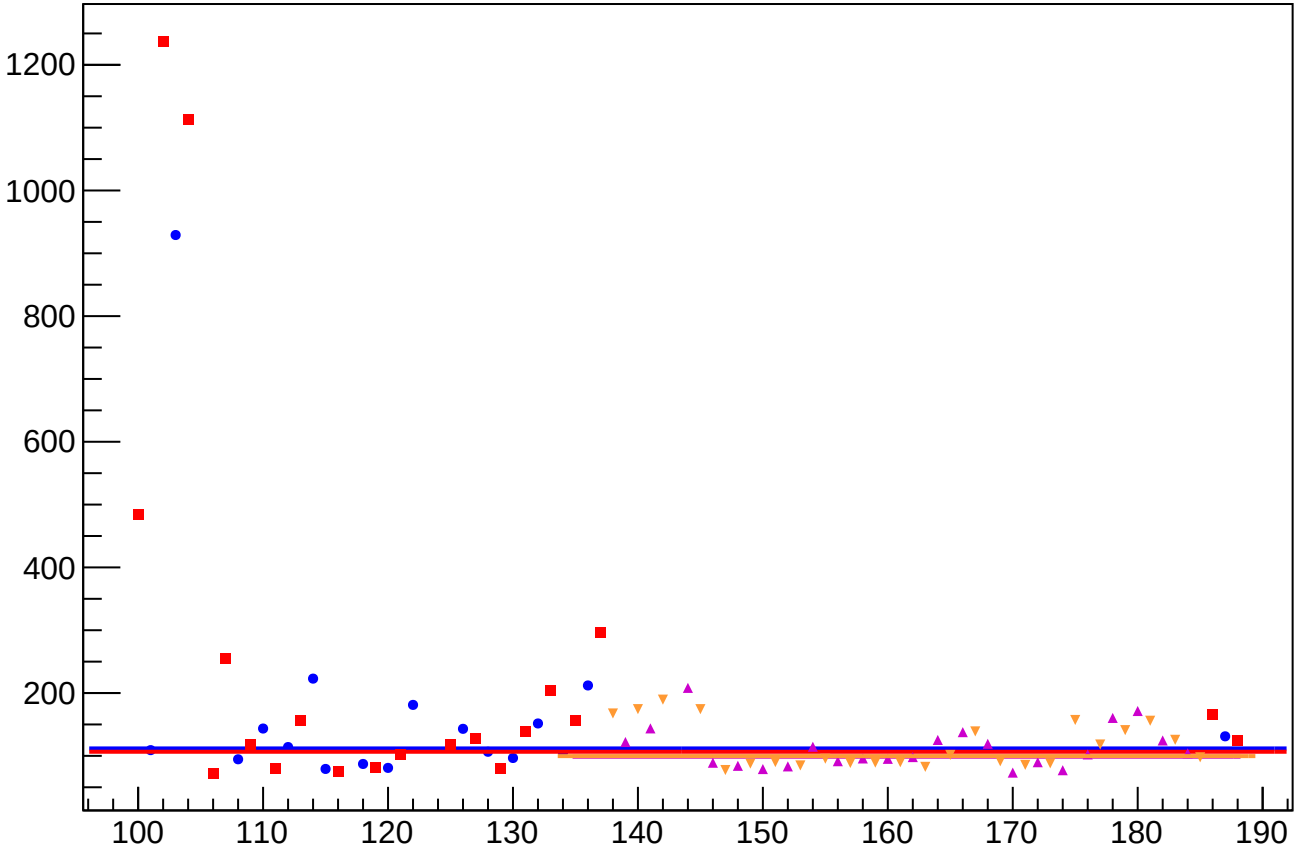
Right: -0.045+/-0.032 χ^2/NDF: 36.4/36

In: -0.039+/-0.022 χ^2/NDF:46.1/39

Out: -0.021+/-0.022 χ^2/NDF:49.3/43

All: -0.030+/-0.016 χ^2/NDF: 95.7/83

asym_us_avg_at1lr_avg_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 111.847+/-0.033 χ^2/NDF: 1847009.9/16

Left Out: 99.590+/-0.018 χ^2/NDF:2070986.6/23

Right Out: 106.546+/-0.031 χ^2/NDF: 2974191.5/19

Left In: 98.669+/-0.018 χ^2/NDF:2003365.1/22

Left: 99.125+/-0.013 χ^2/NDF: 4075687.1/46

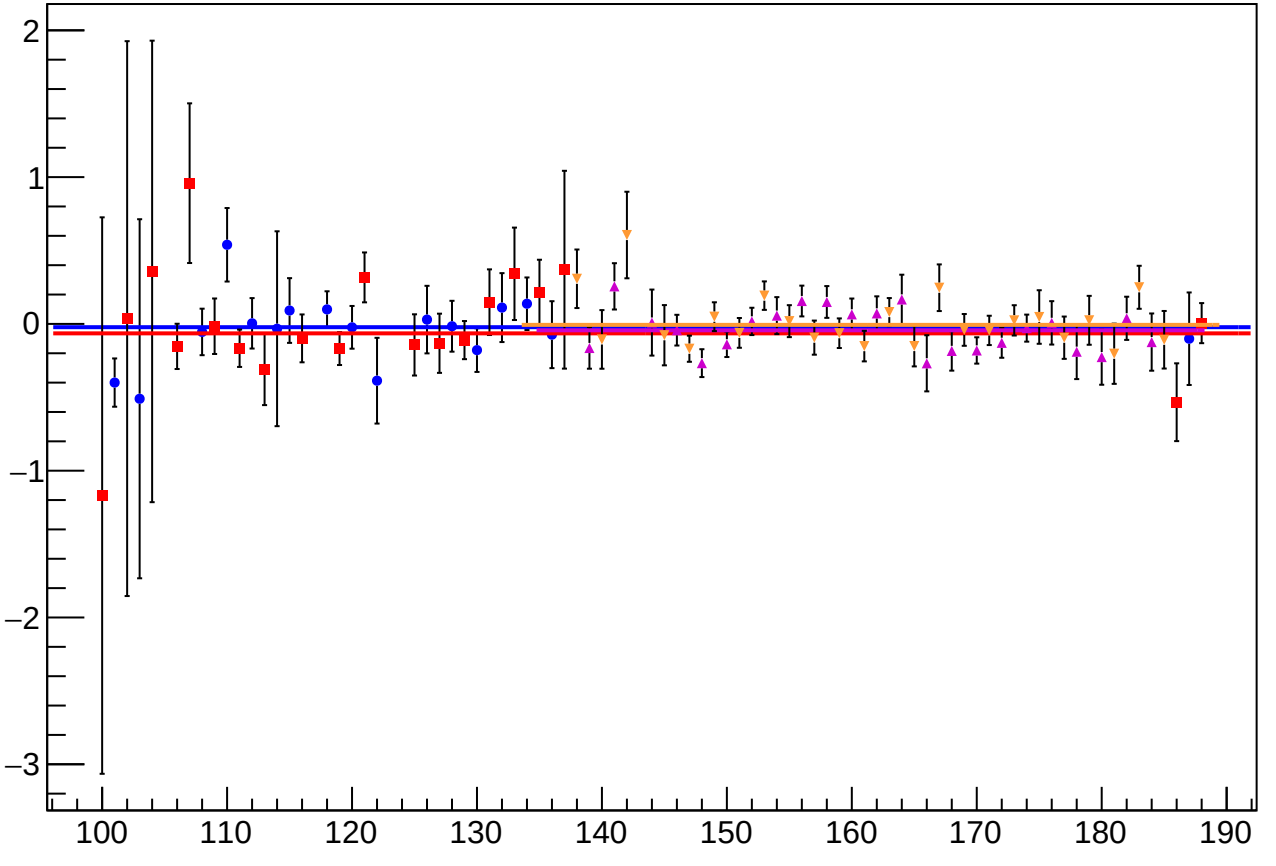
Right: 108.977+/-0.023 χ^2/NDF: 4834921.7/36

In: 101.577+/-0.016 χ^2/NDF:3972412.7/39

Out: 101.360+/-0.015 χ^2/NDF:5083583.3/43

All: 101.467+/-0.011 χ^2/NDF: 9056093.9/83

asym_us_avg_at1lr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.022+/-0.047 χ^2/NDF: 15.7/16

Left Out: -0.007+/-0.025 χ^2/NDF:27.7/23

Right Out: -0.064+/-0.043 χ^2/NDF: 20.3/19

Left In: -0.044+/-0.025 χ^2/NDF:30.3/22

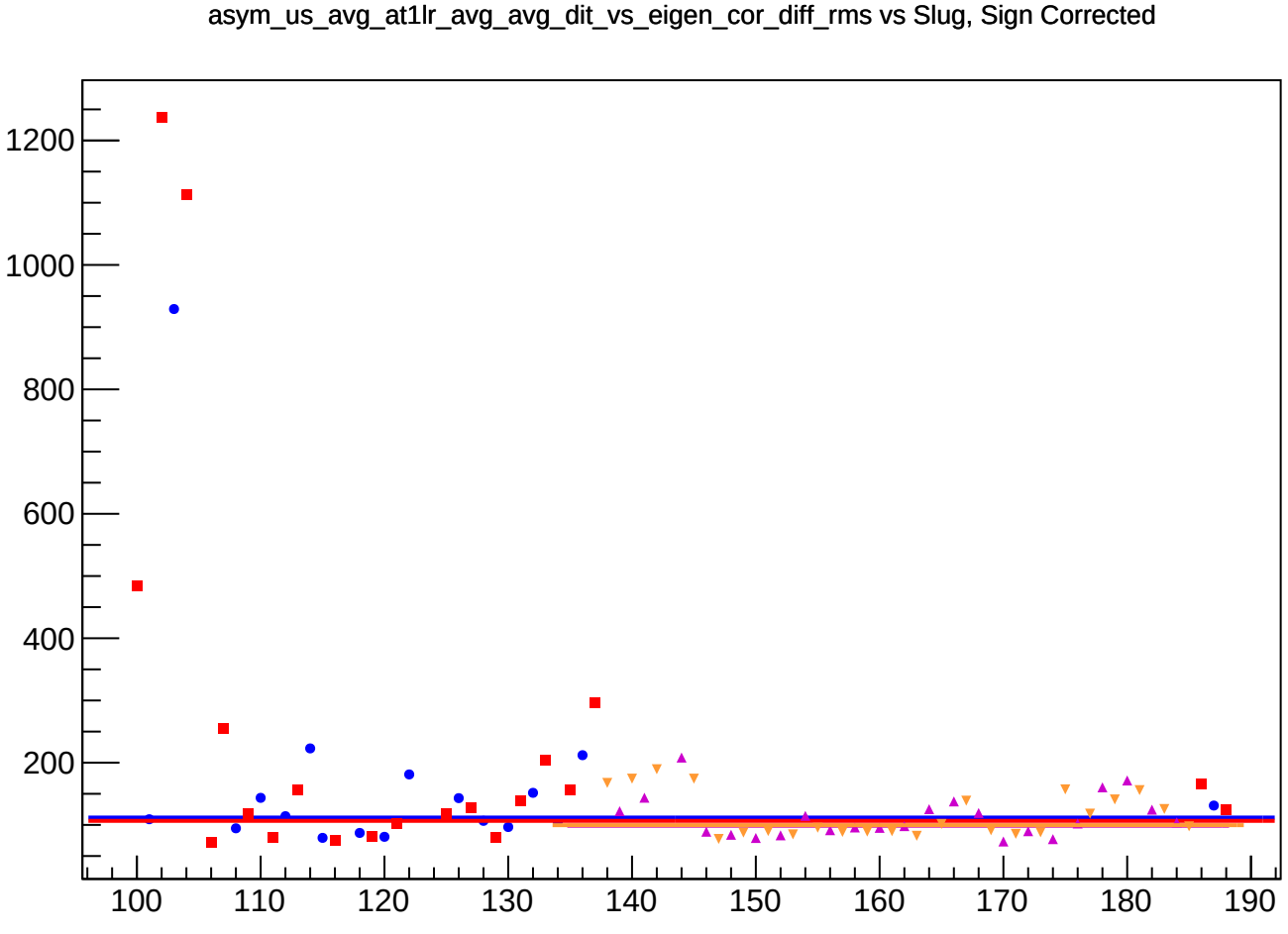
Left: -0.025+/-0.018 χ^2/NDF: 59.0/46

Right: -0.045+/-0.032 χ^2/NDF: 36.4/36

In: -0.039+/-0.022 χ^2/NDF:46.1/39

Out: -0.021+/-0.022 χ^2/NDF:49.3/43

All: -0.030+/-0.016 χ^2/NDF: 95.7/83



Right In: 111.847+/-0.033 χ^2/NDF: 1847009.9/16

Left Out: 99.590+/-0.018 χ^2/NDF:2070986.6/23

Right Out: 106.546+/-0.031 χ^2/NDF: 2974191.5/19

Left In: 98.669+/-0.018 χ^2/NDF:2003365.1/22

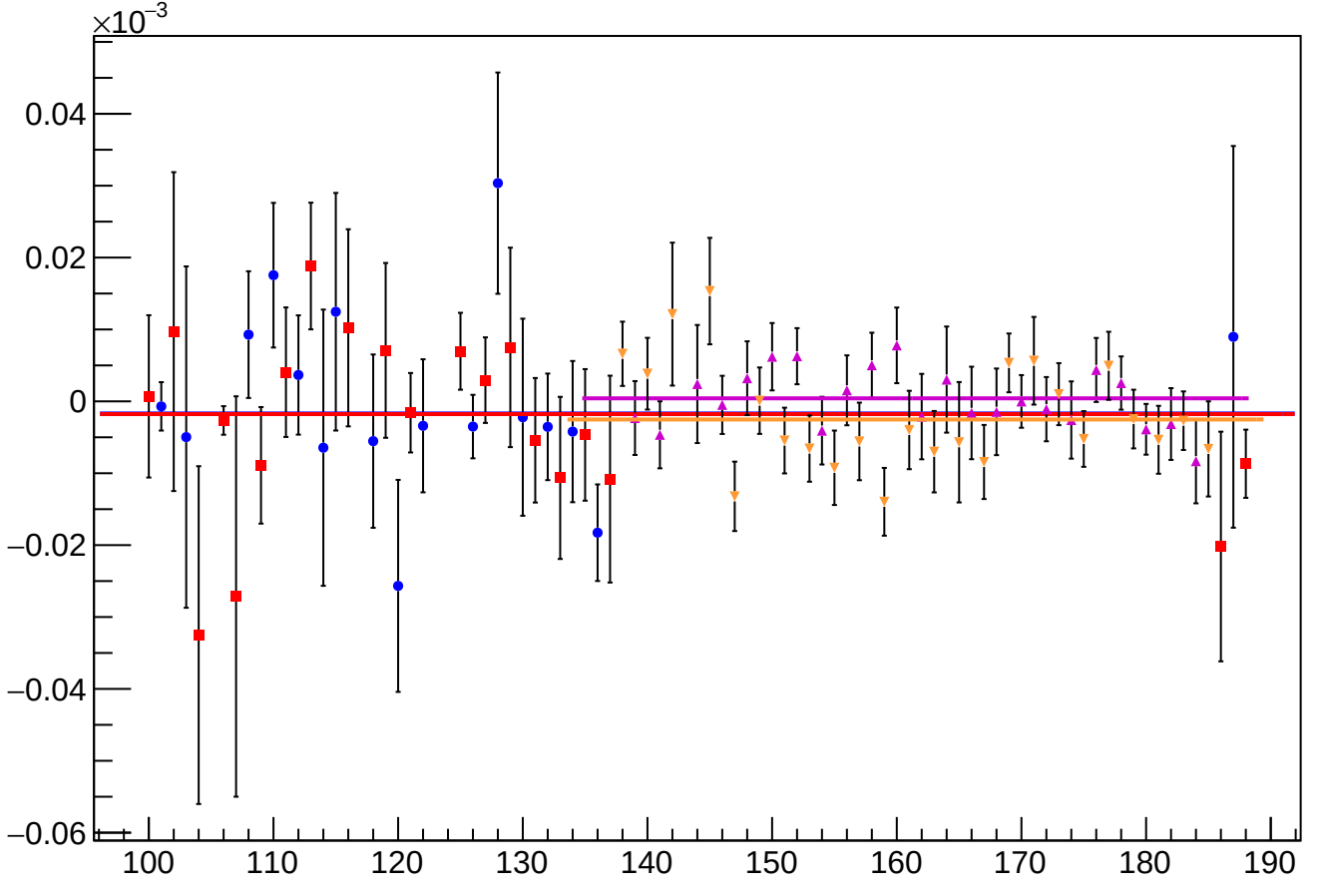
Left: 99.125+/-0.013 χ^2/NDF: 4075687.1/46

Right: 108.977+/-0.023 χ^2/NDF: 4834921.7/36

In: 101.577+/-0.016 χ^2/NDF:3972412.7/39

Out: 101.360+/-0.015 χ^2/NDF:5083583.3/43

All: 101.467+/-0.011 χ^2/NDF: 9056093.9/83



Right In: -0.000+/-0.000 χ^2/NDF: 20.2/16

Left Out: -0.000+/-0.000 χ^2/NDF:40.2/23

Right Out: -0.000+/-0.000 χ^2/NDF: 19.5/19

Left In: 0.000+/-0.000 χ^2/NDF:15.9/22

Left: -0.000+/-0.000 χ^2/NDF: 60.4/46

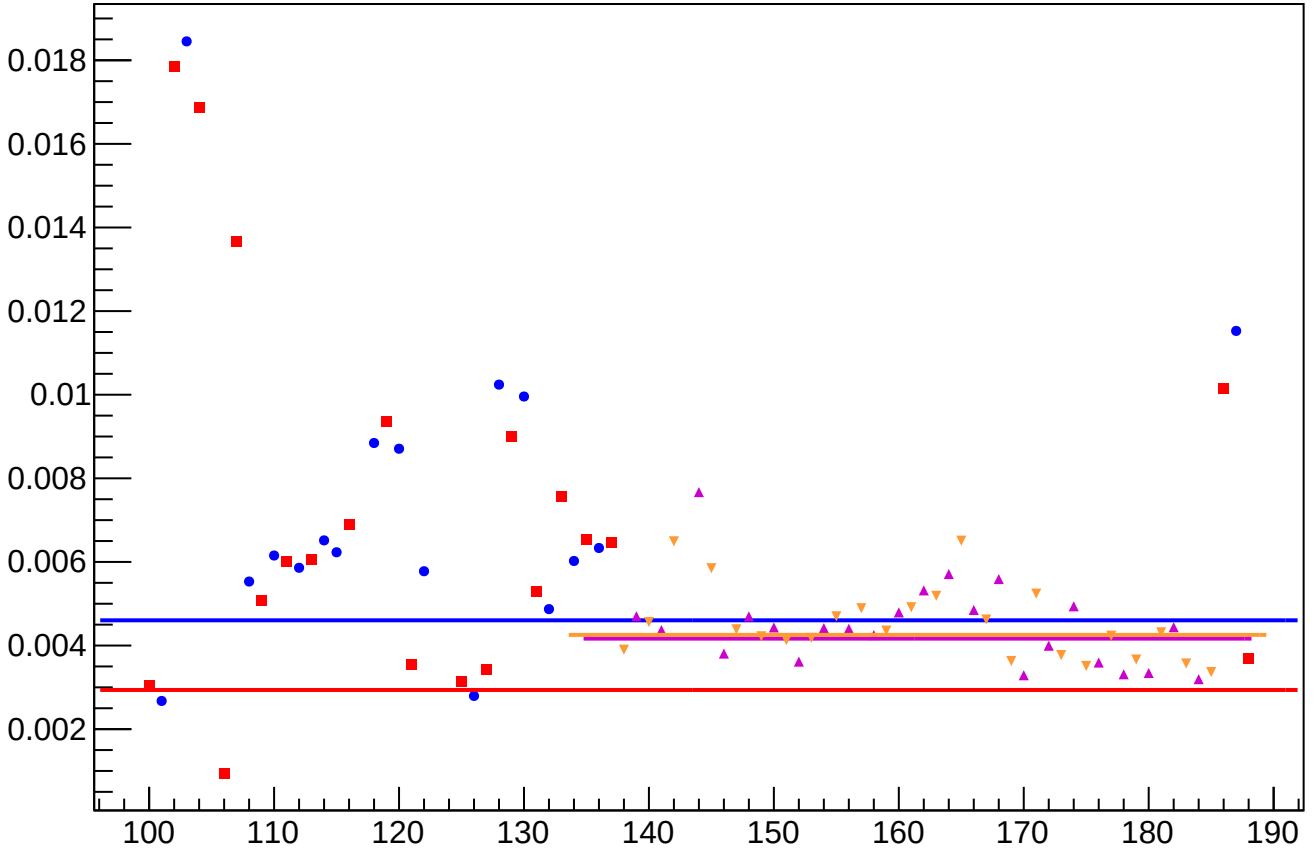
Right: -0.000+/-0.000 χ^2/NDF: 39.7/36

In: -0.000+/-0.000 χ^2/NDF:37.0/39

Out: -0.000+/-0.000 χ^2/NDF:59.9/43

All: -0.000+/-0.000 χ^2/NDF: 100.4/83

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 3148954.6/16

Left Out: 0.004+/-0.000 χ^2/NDF:833222.5/23

Right Out: 0.003+/-0.000 χ^2/NDF: 7083132.1/19

Left In: 0.004+/-0.000 χ^2/NDF:1277434.2/22

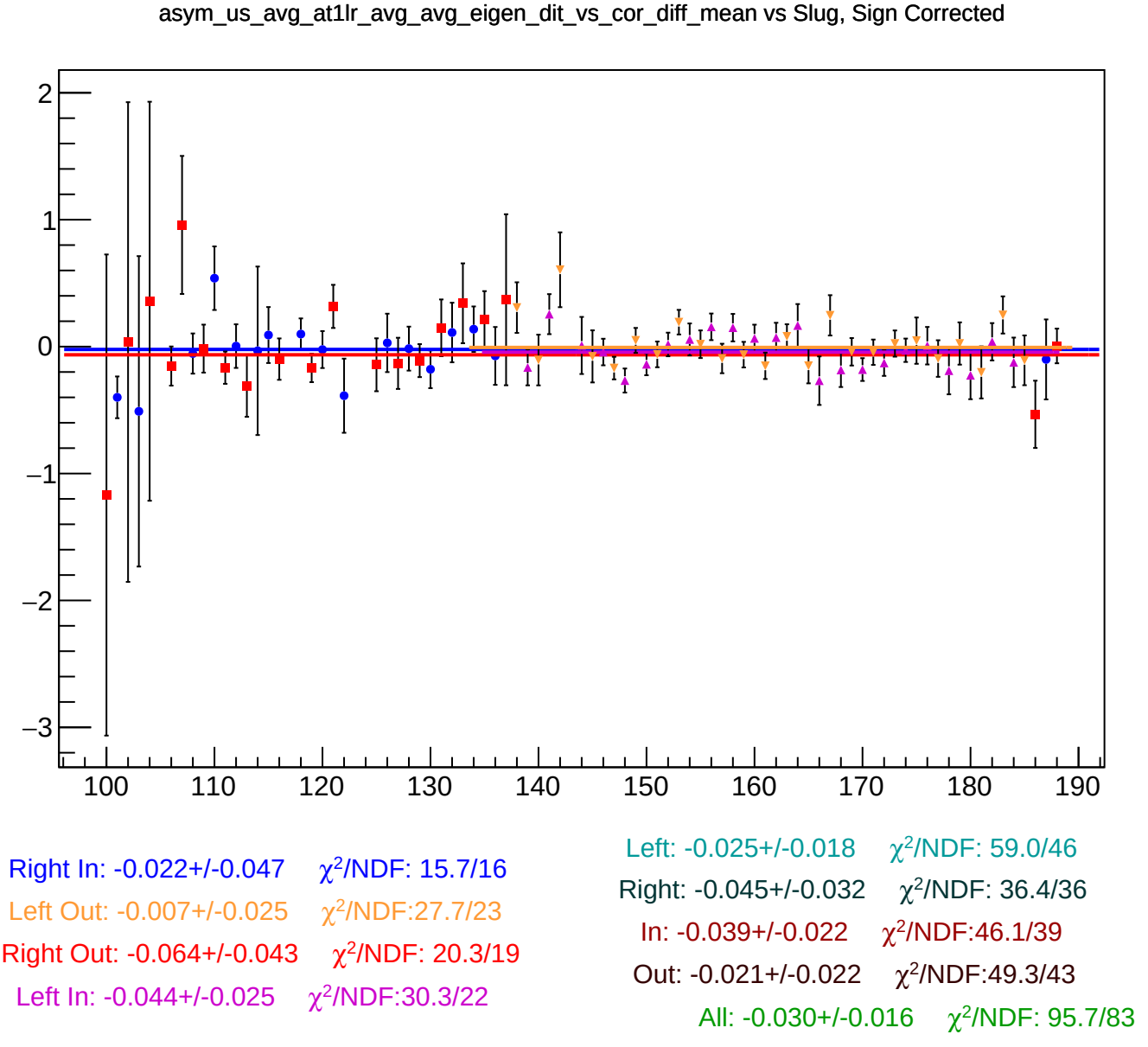
Left: 0.004+/-0.000 χ^2/NDF: 2118625.9/46

Right: 0.004+/-0.000 χ^2/NDF: 11209165.6/36

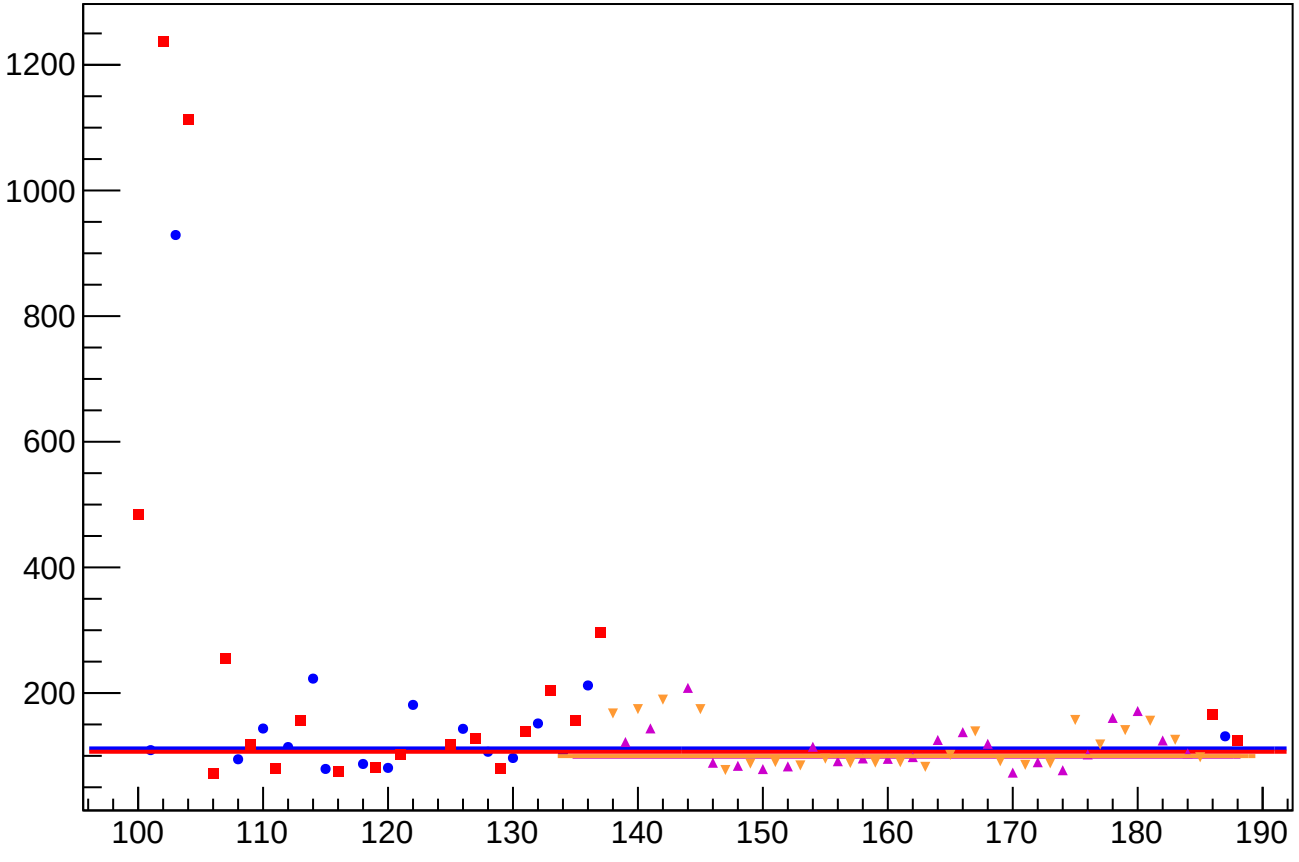
In: 0.004+/-0.000 χ^2/NDF:4508056.5/39

Out: 0.004+/-0.000 χ^2/NDF:9074167.1/43

All: 0.004+/-0.000 χ^2/NDF: 13863719.9/83


asym_us_avg_at1lr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
2
1
0
−1
−2
−3
100
110
120
130
140
150
160
170
180
190
Right In: -0.022+/-0.047 χ²/NDF: 15.7/16
Left Out: -0.007+/-0.025 χ²/NDF:27.7/23
Right Out: -0.064+/-0.043 χ²/NDF: 20.3/19
Left In: -0.044+/-0.025 χ²/NDF:30.3/22
Left: -0.025+/-0.018 χ²/NDF: 59.0/46
Right: -0.045+/-0.032 χ²/NDF: 36.4/36
In: -0.039+/-0.022 χ²/NDF:46.1/39
Out: -0.021+/-0.022 χ²/NDF:49.3/43
All: -0.030+/-0.016 χ²/NDF: 95.7/83

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 111.844+/-0.033 χ^2/NDF: 1847063.8/16

Left Out: 99.590+/-0.018 χ^2/NDF:2070951.9/23

Right Out: 106.544+/-0.031 χ^2/NDF: 2974211.7/19

Left In: 98.669+/-0.018 χ^2/NDF:2003332.7/22

Left: 99.125+/-0.013 χ^2/NDF: 4075620.9/46

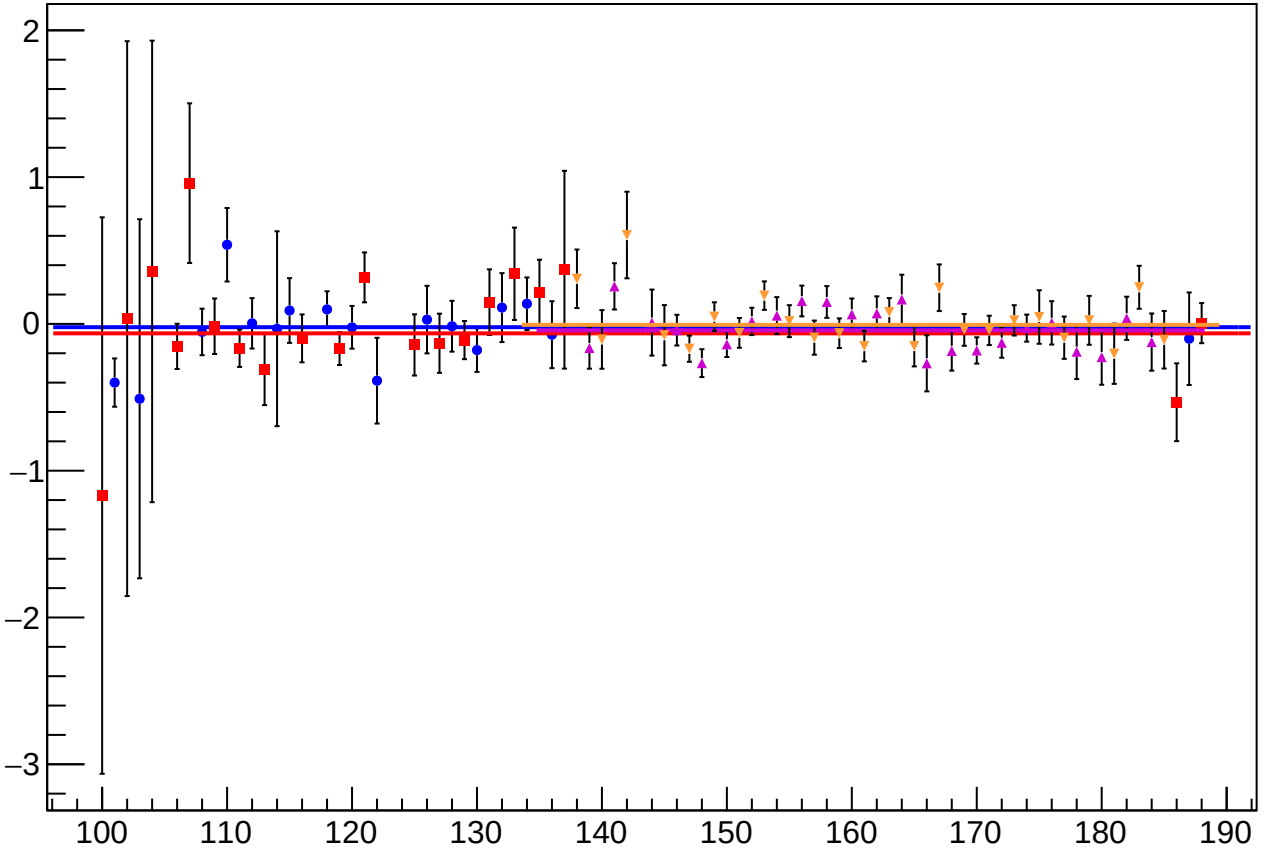
Right: 108.975+/-0.023 χ^2/NDF: 4834990.2/36

In: 101.577+/-0.016 χ^2/NDF:3972383.1/39

Out: 101.360+/-0.015 χ^2/NDF:5083546.7/43

All: 101.467+/-0.011 χ^2/NDF: 9056027.4/83

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.022+/-0.047 χ^2/NDF: 15.7/16

Left Out: -0.007+/-0.025 χ^2/NDF:27.7/23

Right Out: -0.064+/-0.043 χ^2/NDF: 20.3/19

Left In: -0.044+/-0.025 χ^2/NDF:30.3/22

Left: -0.025+/-0.018 χ^2/NDF: 59.0/46

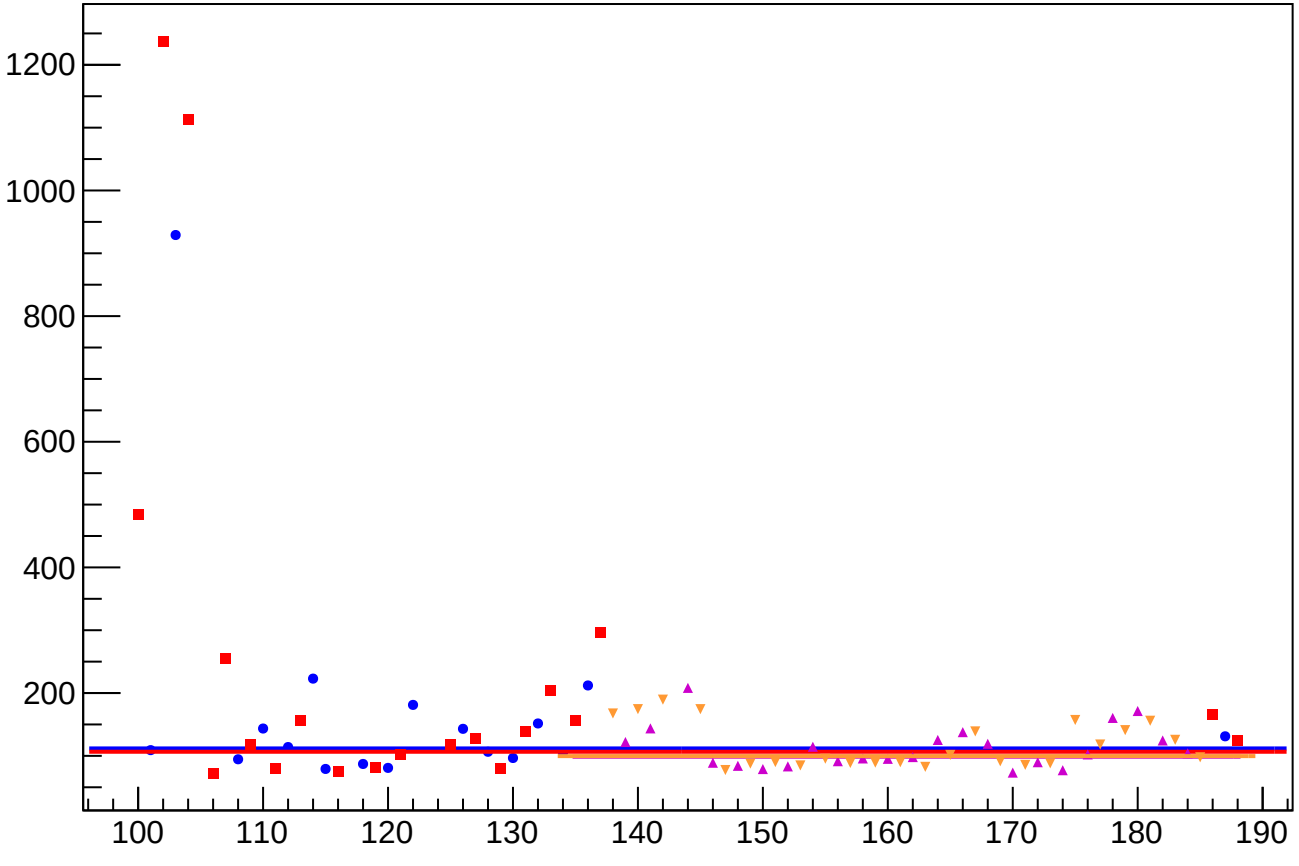
Right: -0.045+/-0.032 χ^2/NDF: 36.4/36

In: -0.039+/-0.022 χ^2/NDF:46.1/39

Out: -0.021+/-0.022 χ^2/NDF:49.3/43

All: -0.030+/-0.016 χ^2/NDF: 95.7/83

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 111.844+/-0.033 χ^2/NDF: 1847063.8/16

Left Out: 99.590+/-0.018 χ^2/NDF:2070951.9/23

Right Out: 106.544+/-0.031 χ^2/NDF: 2974211.7/19

Left In: 98.669+/-0.018 χ^2/NDF:2003332.7/22

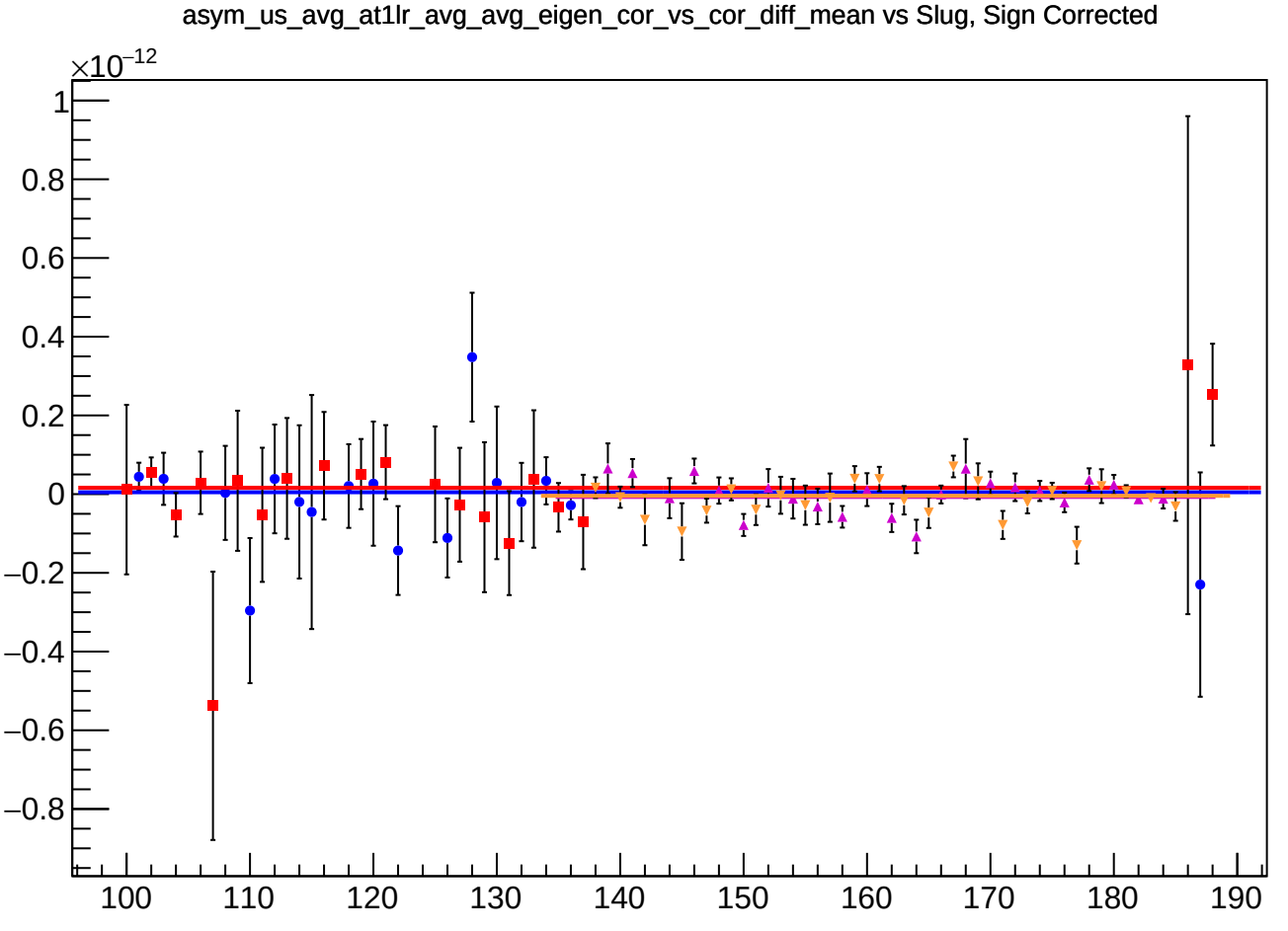
Left: 99.125+/-0.013 χ^2/NDF: 4075620.9/46

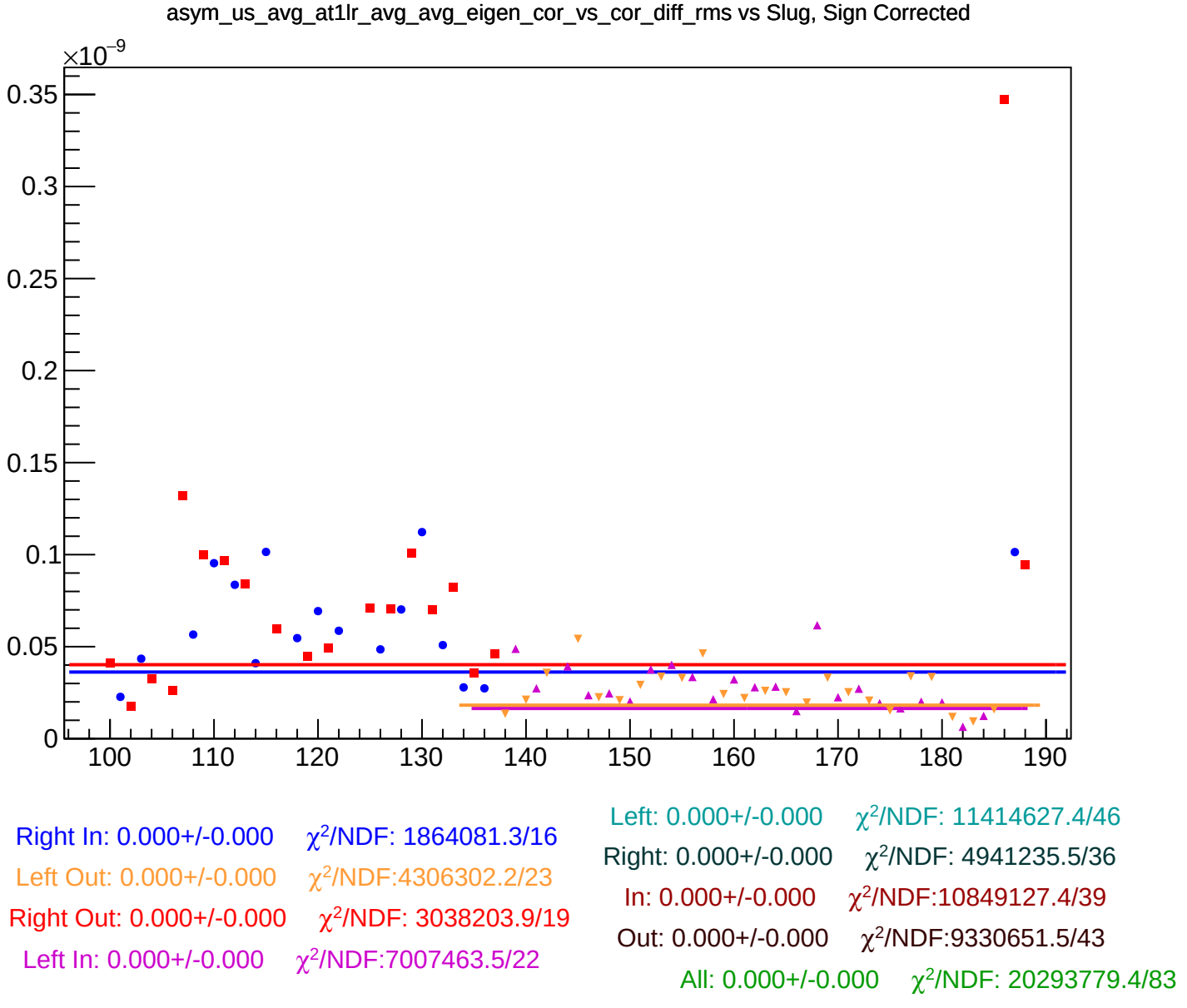
Right: 108.975+/-0.023 χ^2/NDF: 4834990.2/36

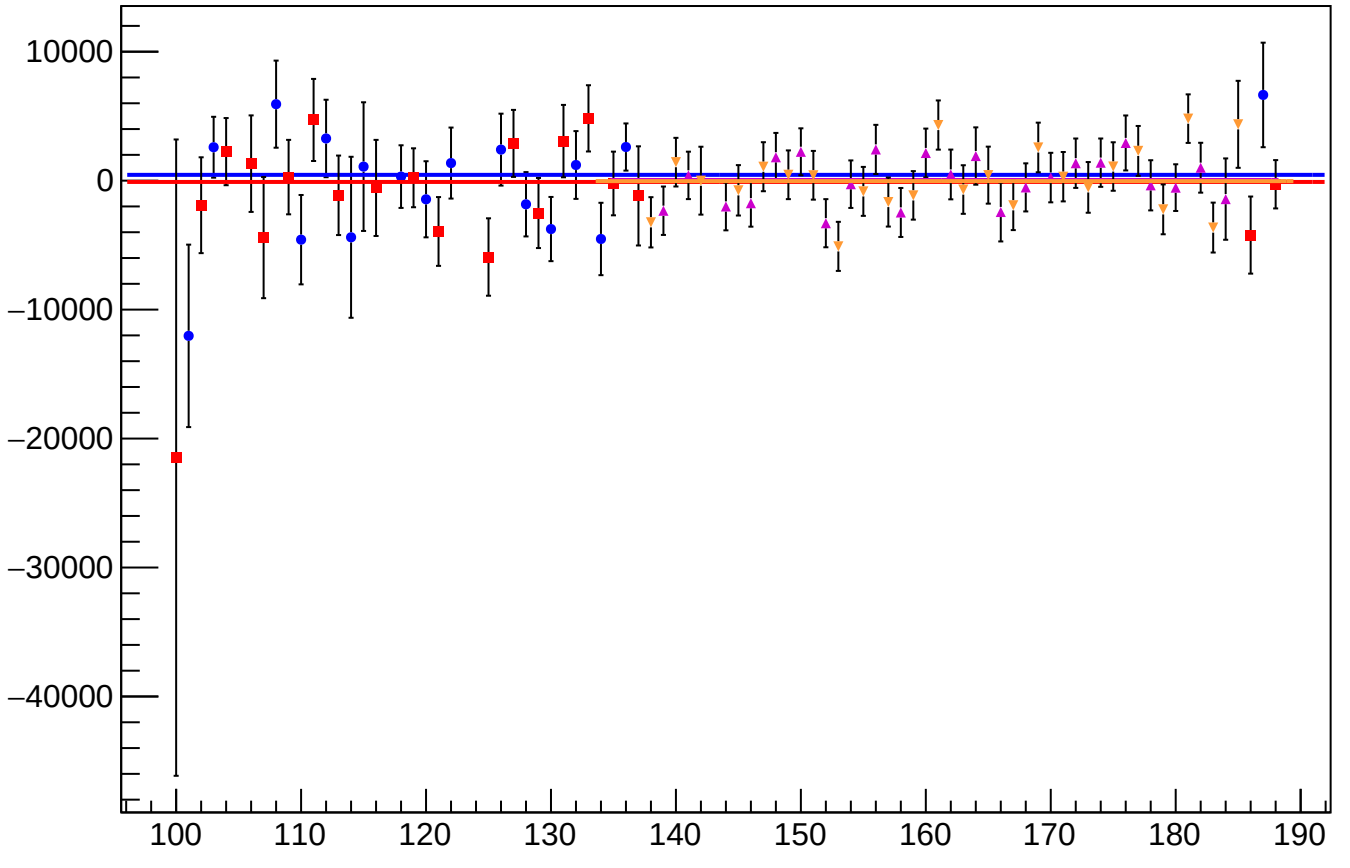
In: 101.577+/-0.016 χ^2/NDF:3972383.1/39

Out: 101.360+/-0.015 χ^2/NDF:5083546.7/43

All: 101.467+/-0.011 χ^2/NDF: 9056027.4/83


asym_us_avg_at1lr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 13.6/16
Left Out: -0.000+/-0.000 χ²/NDF:32.9/23
Right Out: 0.000+/-0.000 χ²/NDF: 12.4/19
Left In: -0.000+/-0.000 χ²/NDF:35.2/22
Left: -0.000+/-0.000 χ²/NDF: 68.3/46
Right: 0.000+/-0.000 χ²/NDF: 26.1/36
In: -0.000+/-0.000 χ²/NDF:49.1/39
Out: -0.000+/-0.000 χ²/NDF:46.2/43
All: -0.000+/-0.000 χ²/NDF: 95.5/83


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
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 1864081.3/16
Left Out: 0.000+/-0.000 χ²/NDF:4306302.2/23
Right Out: 0.000+/-0.000 χ²/NDF: 3038203.9/19
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: 4941235.5/36
In: 0.000+/-0.000 χ²/NDF:10849127.4/39
Out: 0.000+/-0.000 χ²/NDF:9330651.5/43
All: 0.000+/-0.000 χ²/NDF: 20293779.4/83



Right In: 449.442+/-699.066 χ^2/NDF: 21.8/16

Left Out: -34.799+/-401.970 χ^2/NDF:35.4/23

Right Out: -100.730+/-649.889 χ^2/NDF: 20.1/19

Left In: 52.796+/-404.703 χ^2/NDF:19.4/22

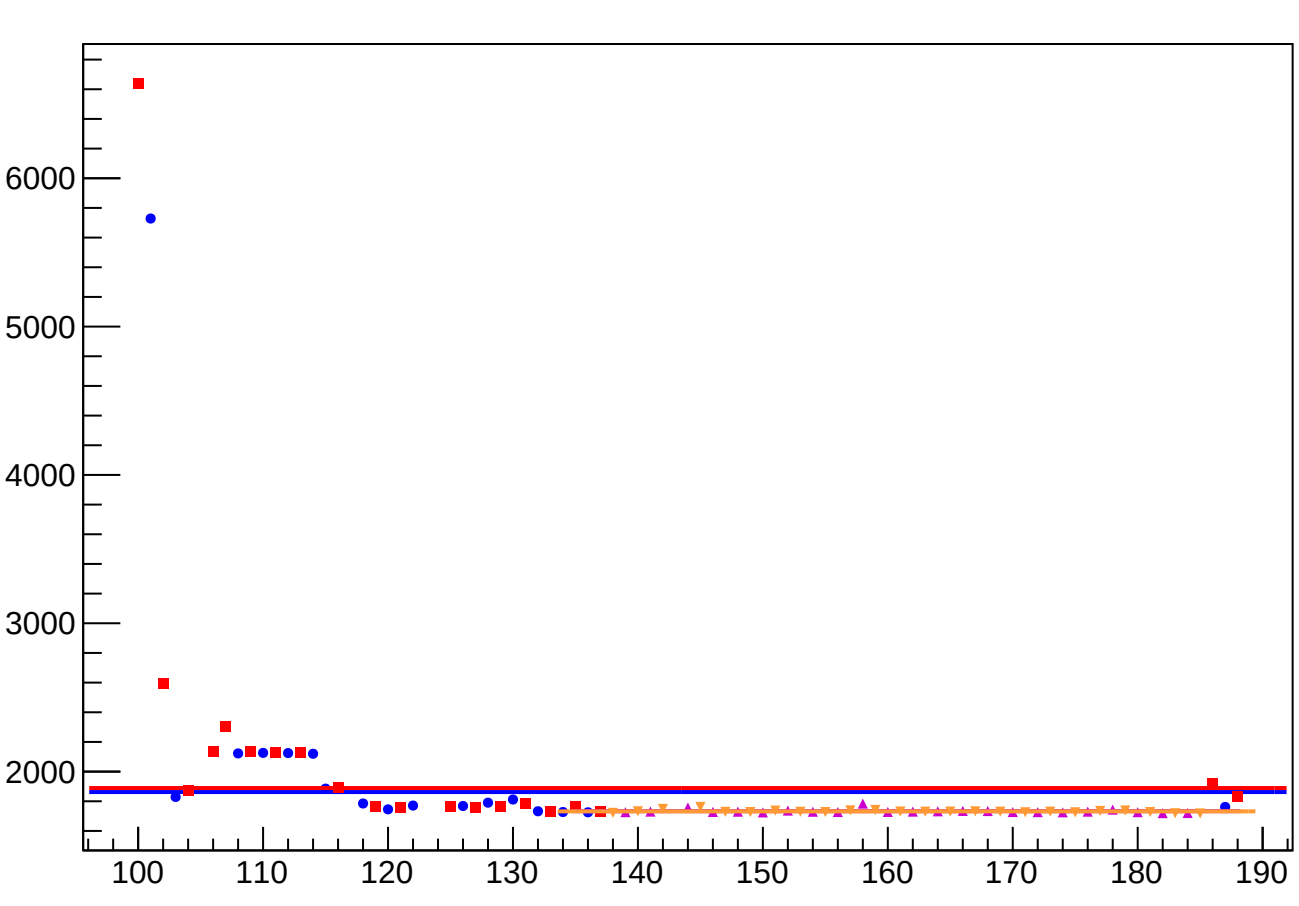
Left: 8.702+/-285.197 χ^2/NDF: 54.8/46

Right: 154.326+/-475.977 χ^2/NDF: 42.3/36

In: 152.362+/-350.245 χ^2/NDF:41.5/39

Out: -53.042+/-341.862 χ^2/NDF:55.5/43

All: 47.172+/-244.643 χ^2/NDF: 97.2/83



Right In: 1862.093+/-0.494 χ^2/NDF: 673988.8/16

Left Out: 1731.985+/-0.284 χ^2/NDF:937.2/23

Right Out: 1889.305+/-0.460 χ^2/NDF: 252871.6/19

Left In: 1733.315+/-0.286 χ^2/NDF:2230.5/22

Left: 1732.646+/-0.202 χ^2/NDF: 3178.5/46

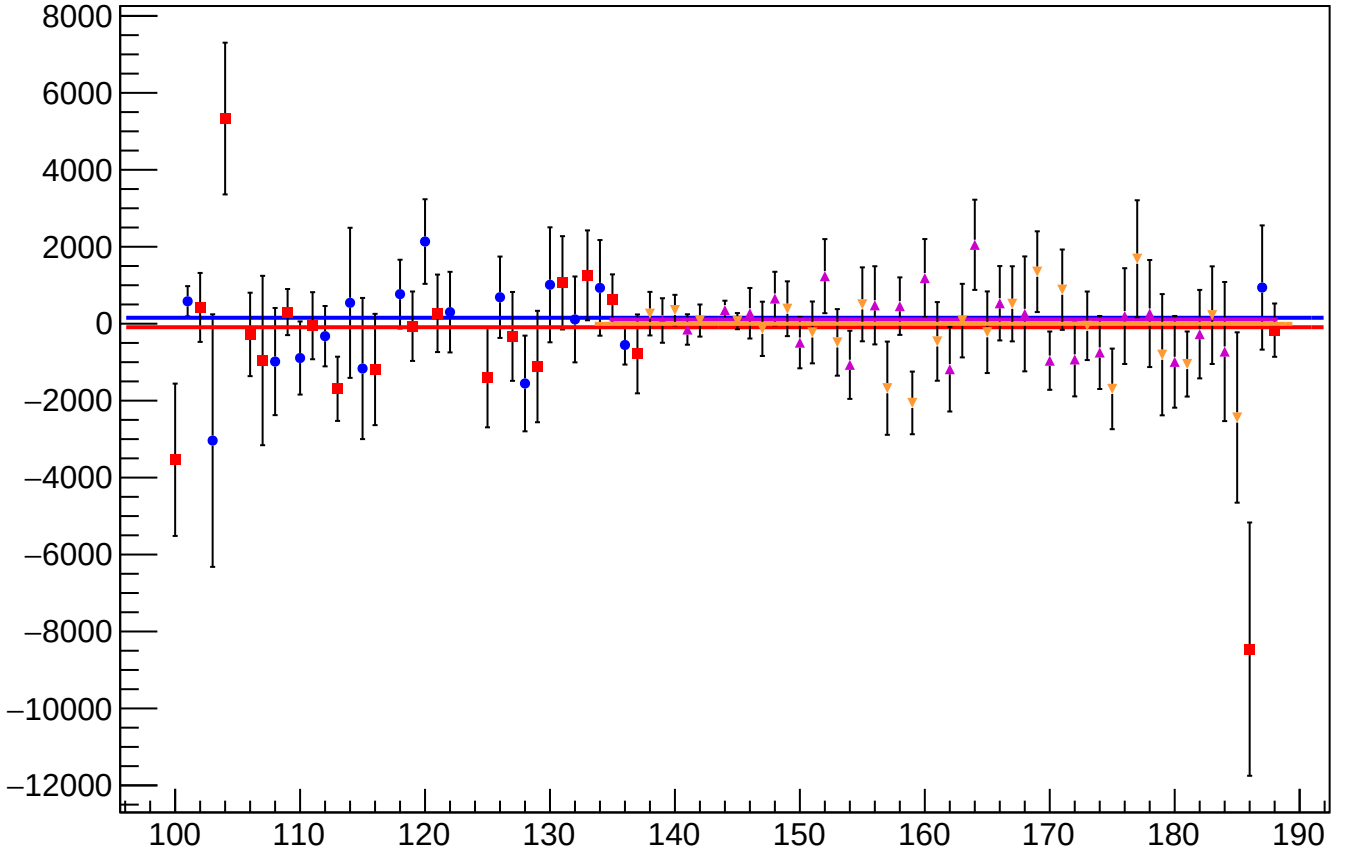
Right: 1876.690+/-0.337 χ^2/NDF: 928485.9/36

In: 1765.641+/-0.248 χ^2/NDF:727052.5/39

Out: 1775.517+/-0.242 χ^2/NDF:338576.8/43

All: 1770.699+/-0.173 χ^2/NDF: 1066443.6/83

asym_us_avg_at1lr_avg_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 154.407+/-218.084 χ^2/NDF: 13.7/16

Left Out: -2.406+/-130.052 χ^2/NDF:20.3/23

Right Out: -91.457+/-224.776 χ^2/NDF: 27.9/19

Left In: 108.386+/-143.315 χ^2/NDF:17.0/22

Left: 47.628+/-96.309 χ^2/NDF: 37.6/46

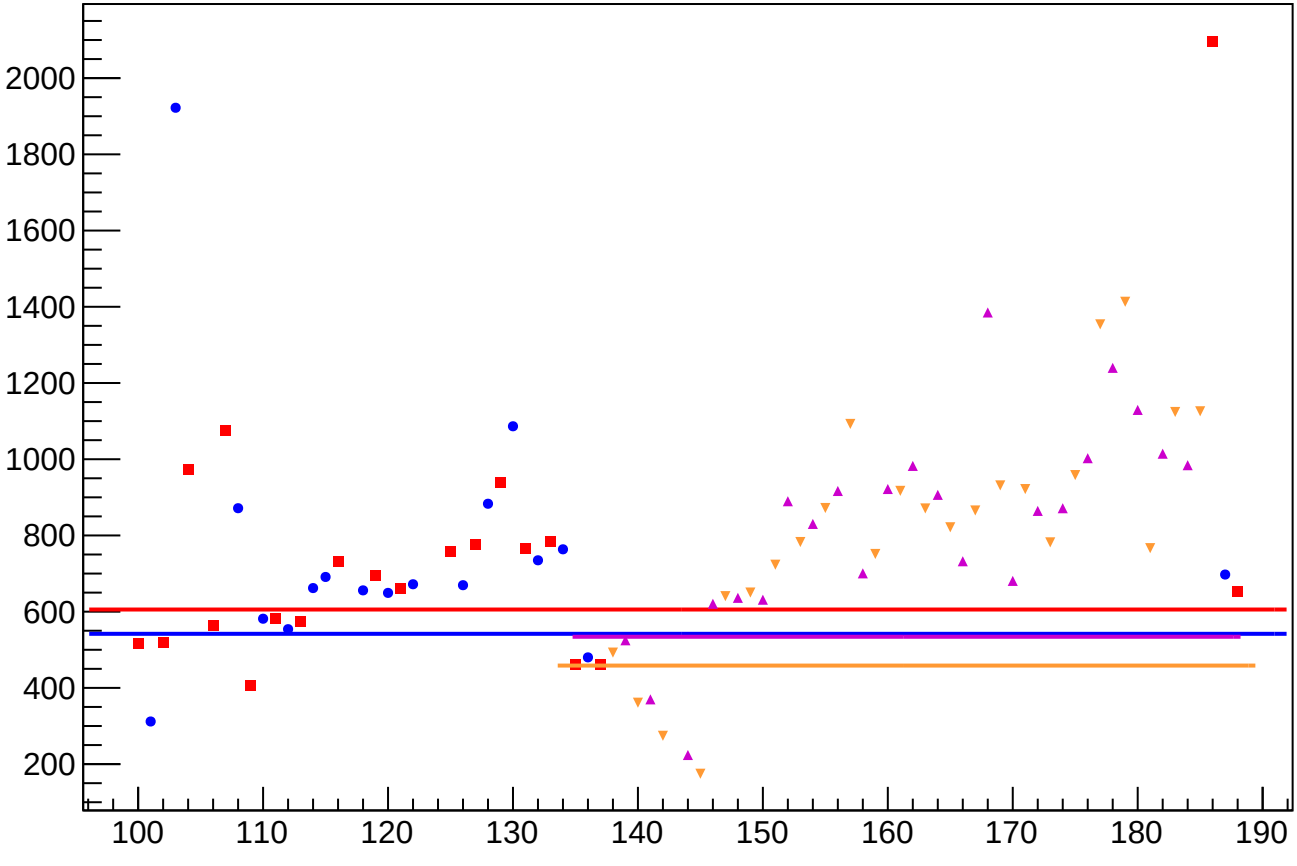
Right: 35.190+/-156.521 χ^2/NDF: 42.2/36

In: 122.266+/-119.768 χ^2/NDF:30.7/39

Out: -24.740+/-112.568 χ^2/NDF:48.3/43

All: 44.212+/-82.025 χ^2/NDF: 79.8/83

asym_us_avg_at1lr_avg_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 541.906+/-0.154 χ^2/NDF: 1873477.2/16

Left Out: 458.579+/-0.092 χ^2/NDF:11426734.4/23

Right Out: 605.647+/-0.159 χ^2/NDF: 1269255.8/19

Left In: 534.161+/-0.101 χ^2/NDF:8443293.1/22

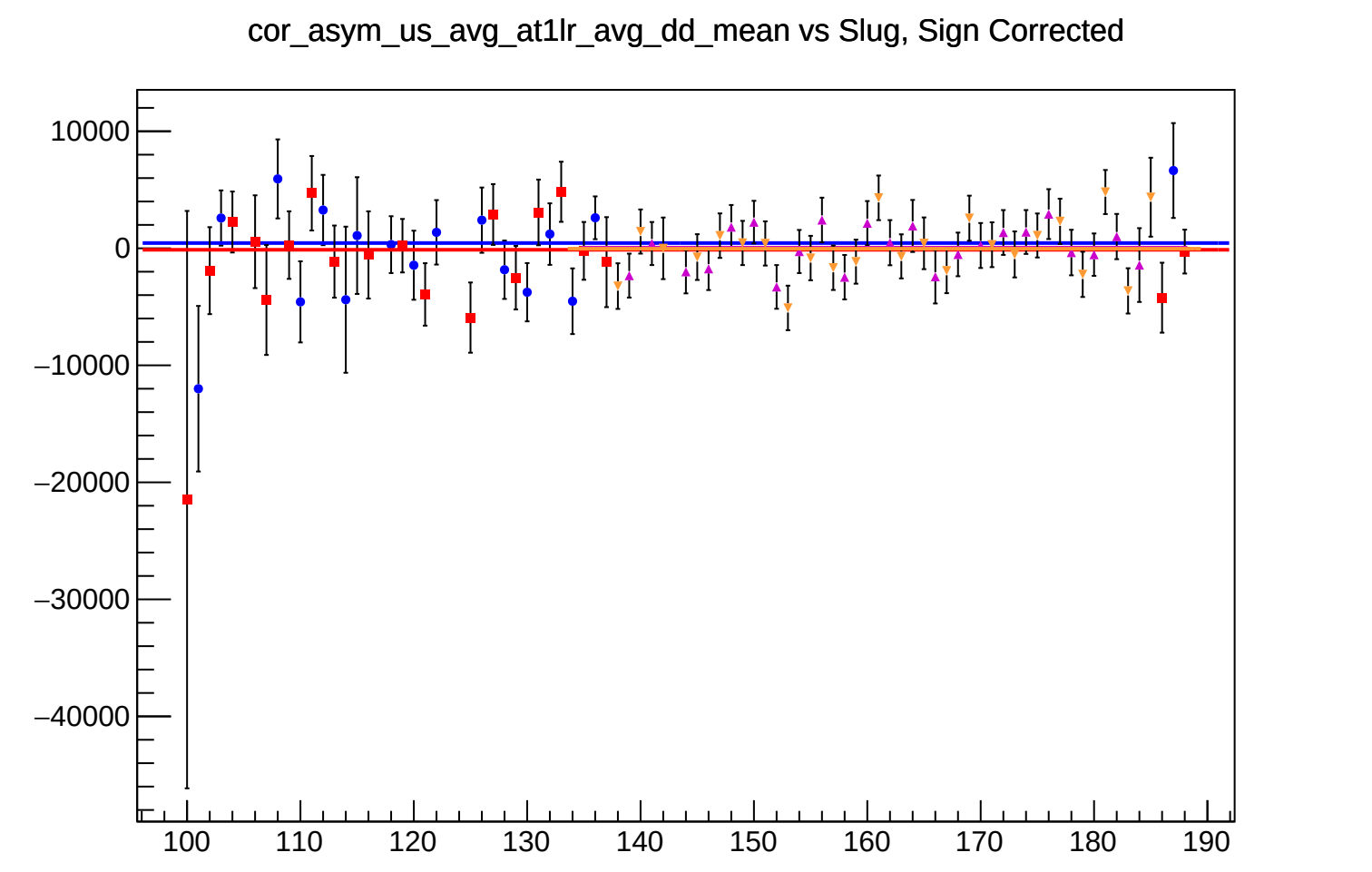
Left: 492.711+/-0.068 χ^2/NDF: 20175085.0/46

Right: 572.814+/-0.111 χ^2/NDF: 3225578.6/36

In: 536.497+/-0.085 χ^2/NDF:10318532.1/39

Out: 495.464+/-0.080 χ^2/NDF:13337445.3/43

All: 514.710+/-0.058 χ^2/NDF: 23780621.3/83



Right In: 449.619+/-699.066 χ^2/NDF: 21.8/16

Left Out: -34.742+/-401.970 χ^2/NDF:35.4/23

Right Out: -125.931+/-650.959 χ^2/NDF: 20.0/19

Left In: 52.714+/-404.703 χ^2/NDF:19.4/22

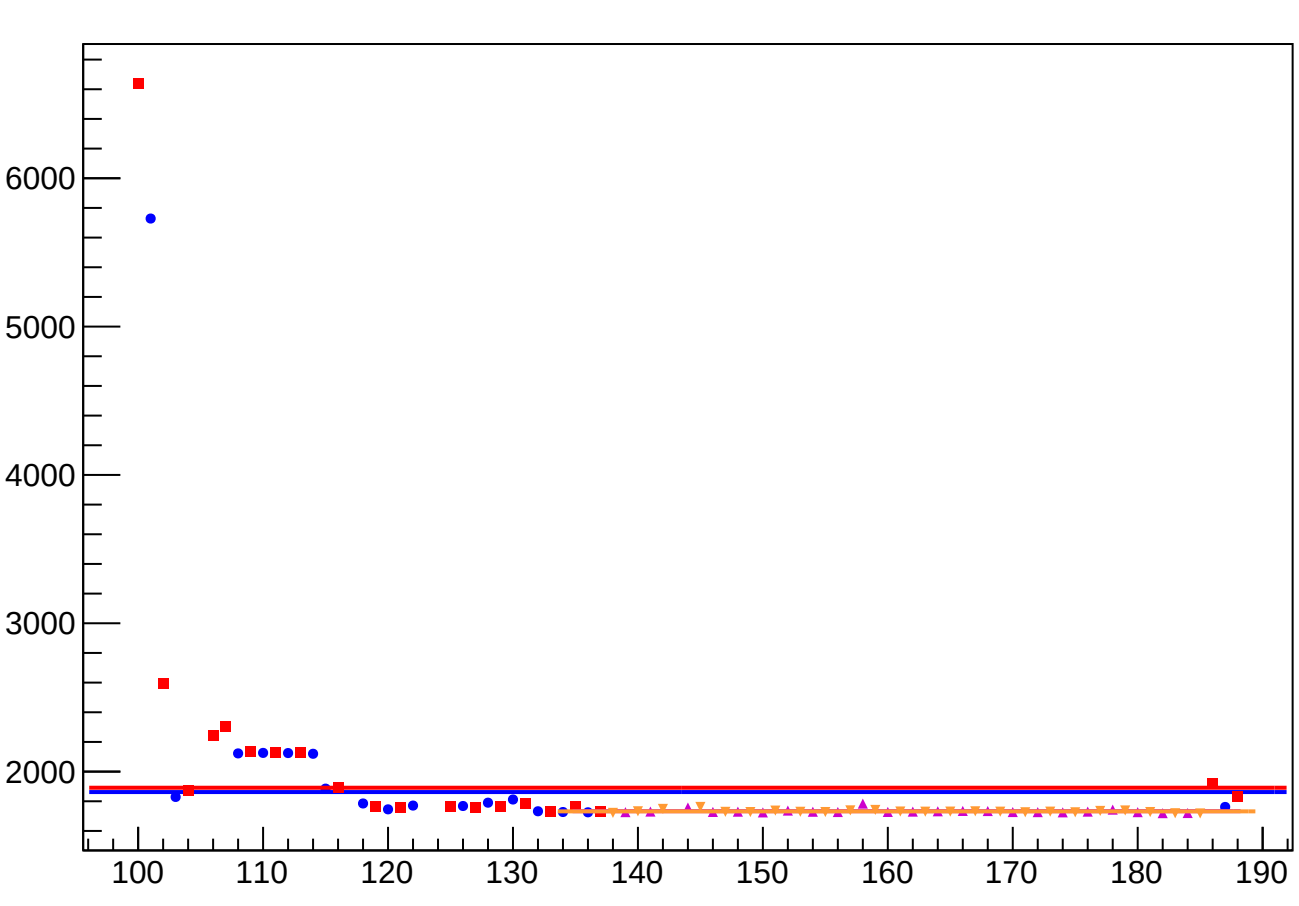
Left: 8.689+/-285.197 χ^2/NDF: 54.8/46

Right: 141.360+/-476.397 χ^2/NDF: 42.2/36

In: 152.345+/-350.245 χ^2/NDF:41.5/39

Out: -59.915+/-342.017 χ^2/NDF:55.4/43

All: 43.692+/-244.700 χ^2/NDF: 97.0/83



Right In: 1862.093+/-0.494 χ^2/NDF: 673988.8/16

Left Out: 1731.985+/-0.284 χ^2/NDF:937.2/23

Right Out: 1891.324+/-0.460 χ^2/NDF: 259918.2/19

Left In: 1733.315+/-0.286 χ^2/NDF:2230.5/22

Left: 1732.646+/-0.202 χ^2/NDF: 3178.5/46

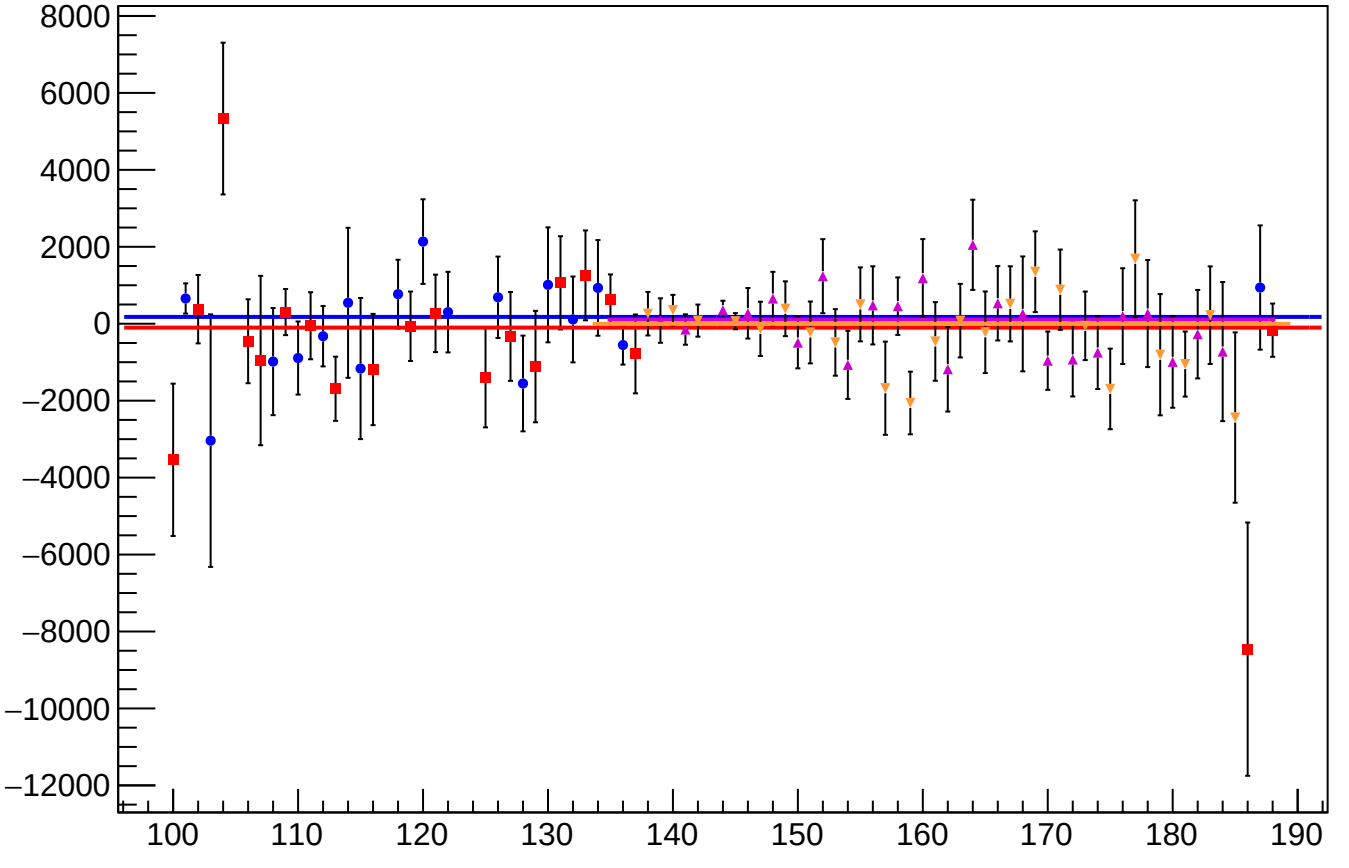
Right: 1877.749+/-0.337 χ^2/NDF: 935779.9/36

In: 1765.641+/-0.248 χ^2/NDF:727052.3/39

Out: 1775.971+/-0.242 χ^2/NDF:347606.3/43

All: 1770.929+/-0.173 χ^2/NDF: 1075549.1/83

asym_us_avg_at1lr_avg_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: 177.327+/-218.010 χ^2/NDF: 14.1/16

Left Out: -2.529+/-130.054 χ^2/NDF:20.3/23

Right Out: -101.204+/-224.728 χ^2/NDF: 27.9/19

Left In: 108.358+/-143.315 χ^2/NDF:17.0/22

Left: 47.548+/-96.310 χ^2/NDF: 37.6/46

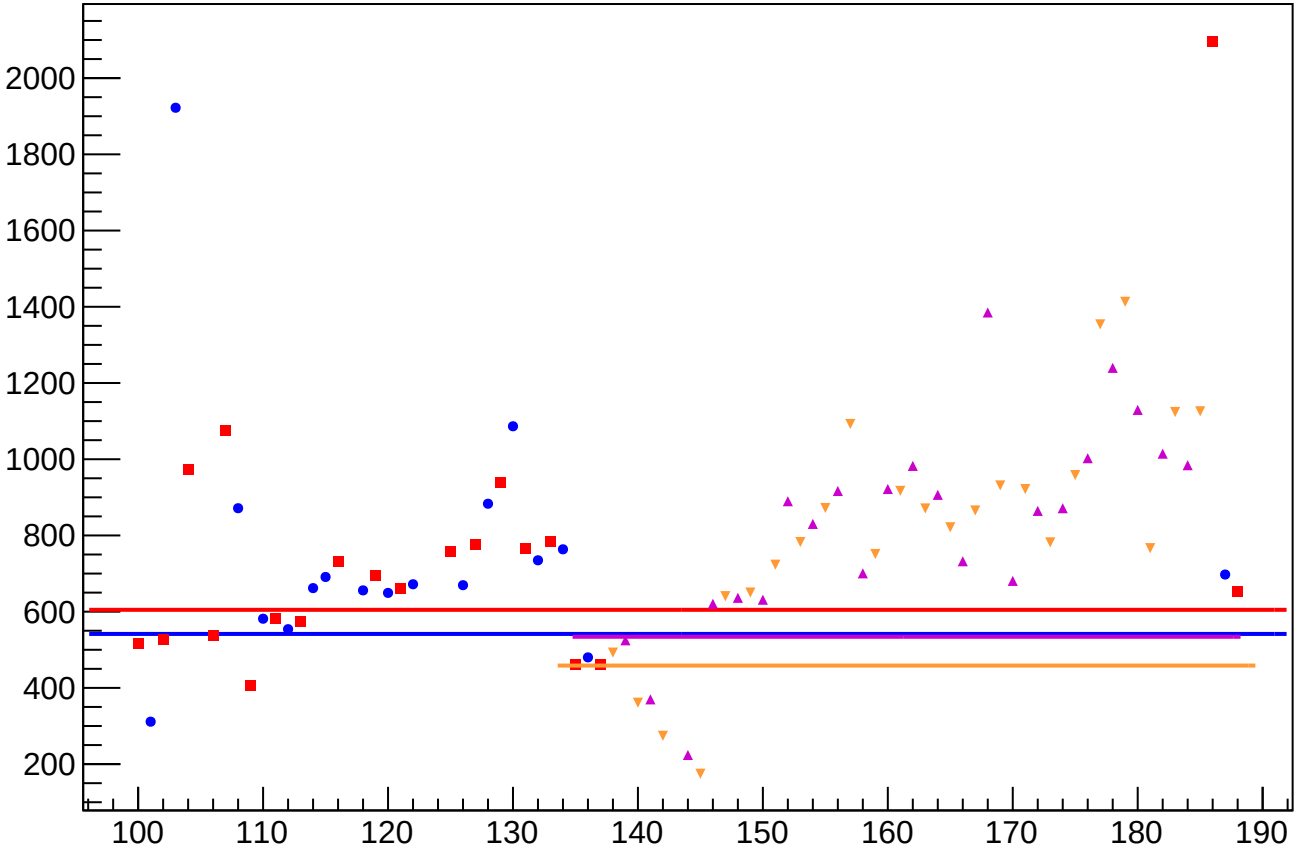
Right: 42.287+/-156.477 χ^2/NDF: 42.9/36

In: 129.169+/-119.756 χ^2/NDF:31.2/39

Out: -27.285+/-112.563 χ^2/NDF:48.4/43

All: 46.103+/-82.019 χ^2/NDF: 80.5/83

asym_us_avg_at1lr_avg_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 541.597+/-0.154 χ^2/NDF: 1877874.9/16

Left Out: 458.589+/-0.092 χ^2/NDF:11426319.1/23

Right Out: 604.875+/-0.159 χ^2/NDF: 1271546.0/19

Left In: 534.168+/-0.101 χ^2/NDF:8442812.5/22

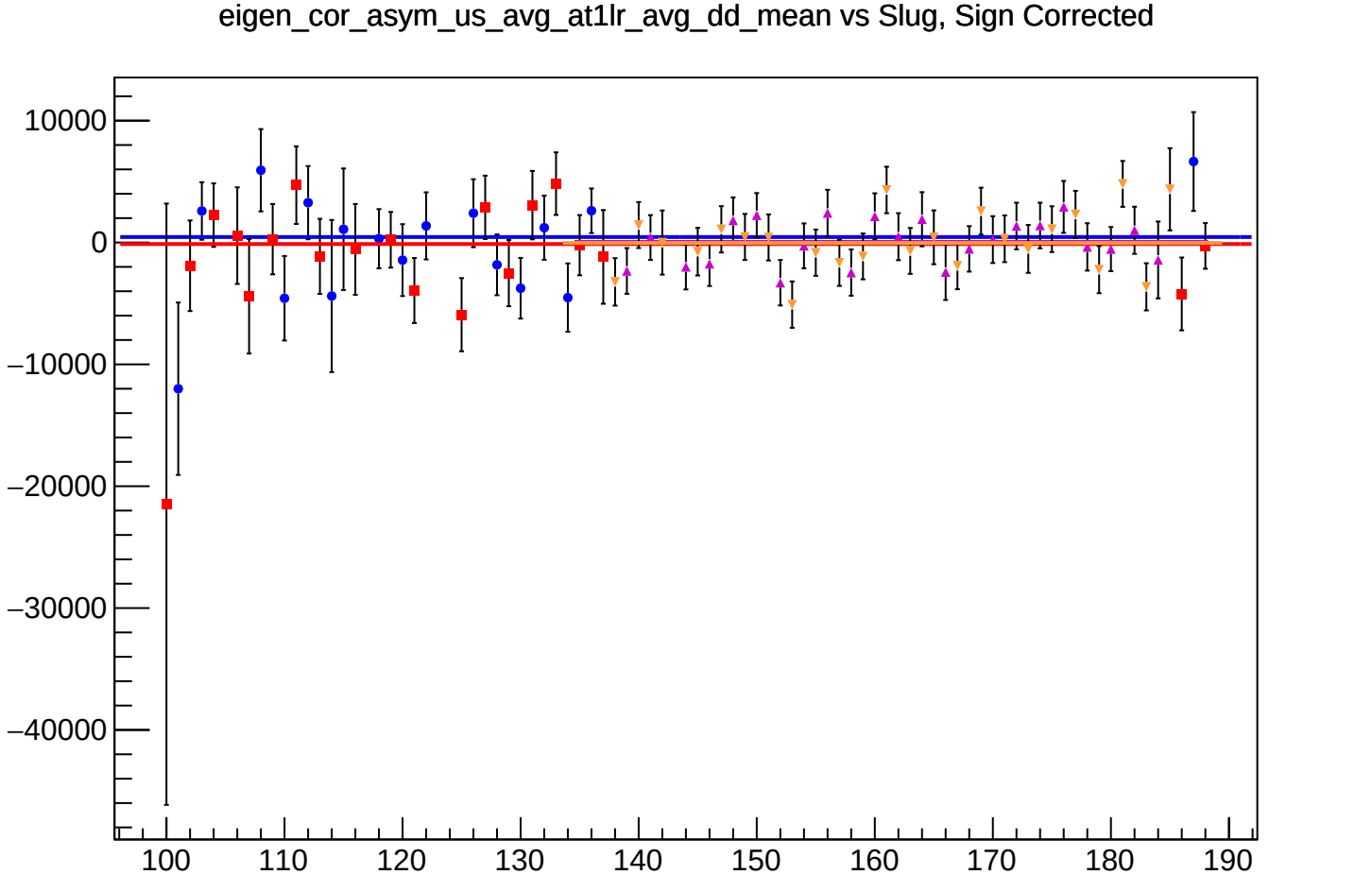
Left: 492.721+/-0.068 χ^2/NDF: 20174164.1/46

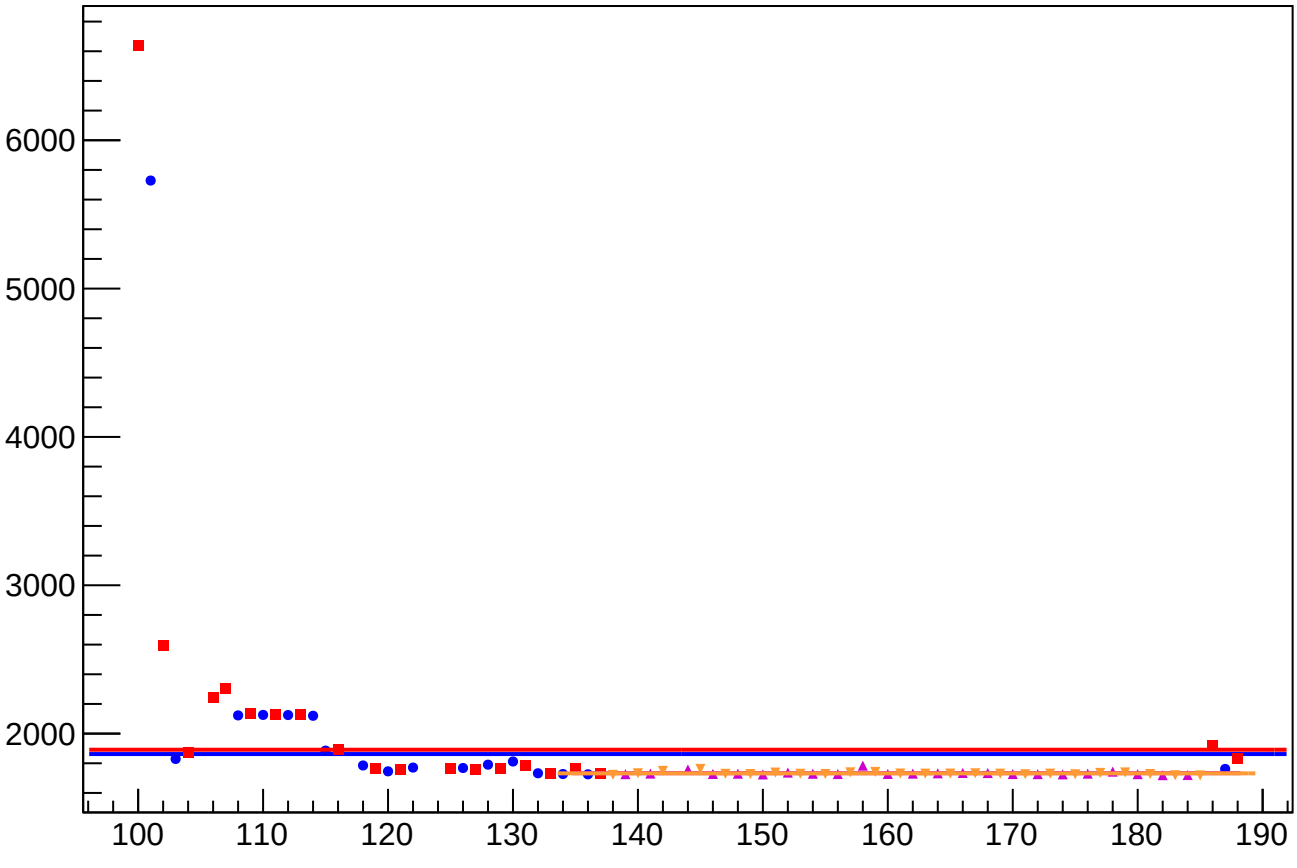
Right: 572.276+/-0.111 χ^2/NDF: 3231111.3/36

In: 536.410+/-0.085 χ^2/NDF:10322309.0/39

Out: 495.290+/-0.080 χ^2/NDF:13332709.7/43

All: 514.578+/-0.058 χ^2/NDF: 23780209.5/83


eigen_cor_asym_us_avg_at1lr_avg_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
160
170
180
190
Right In: 449.619+/-699.066 χ²/NDF: 21.8/16
Left Out: -34.742+/-401.970 χ²/NDF:35.4/23
Right Out: -125.931+/-650.959 χ²/NDF: 20.0/19
Left In: 52.714+/-404.703 χ²/NDF:19.4/22
Left: 8.689+/-285.197 χ²/NDF: 54.8/46
Right: 141.360+/-476.397 χ²/NDF: 42.2/36
In: 152.345+/-350.245 χ²/NDF:41.5/39
Out: -59.915+/-342.017 χ²/NDF:55.4/43
All: 43.692+/-244.700 χ²/NDF: 97.0/83



Right In: 1862.093+/-0.494 χ^2/NDF: 673988.8/16

Left Out: 1731.985+/-0.284 χ^2/NDF:937.2/23

Right Out: 1891.324+/-0.460 χ^2/NDF: 259918.2/19

Left In: 1733.315+/-0.286 χ^2/NDF:2230.5/22

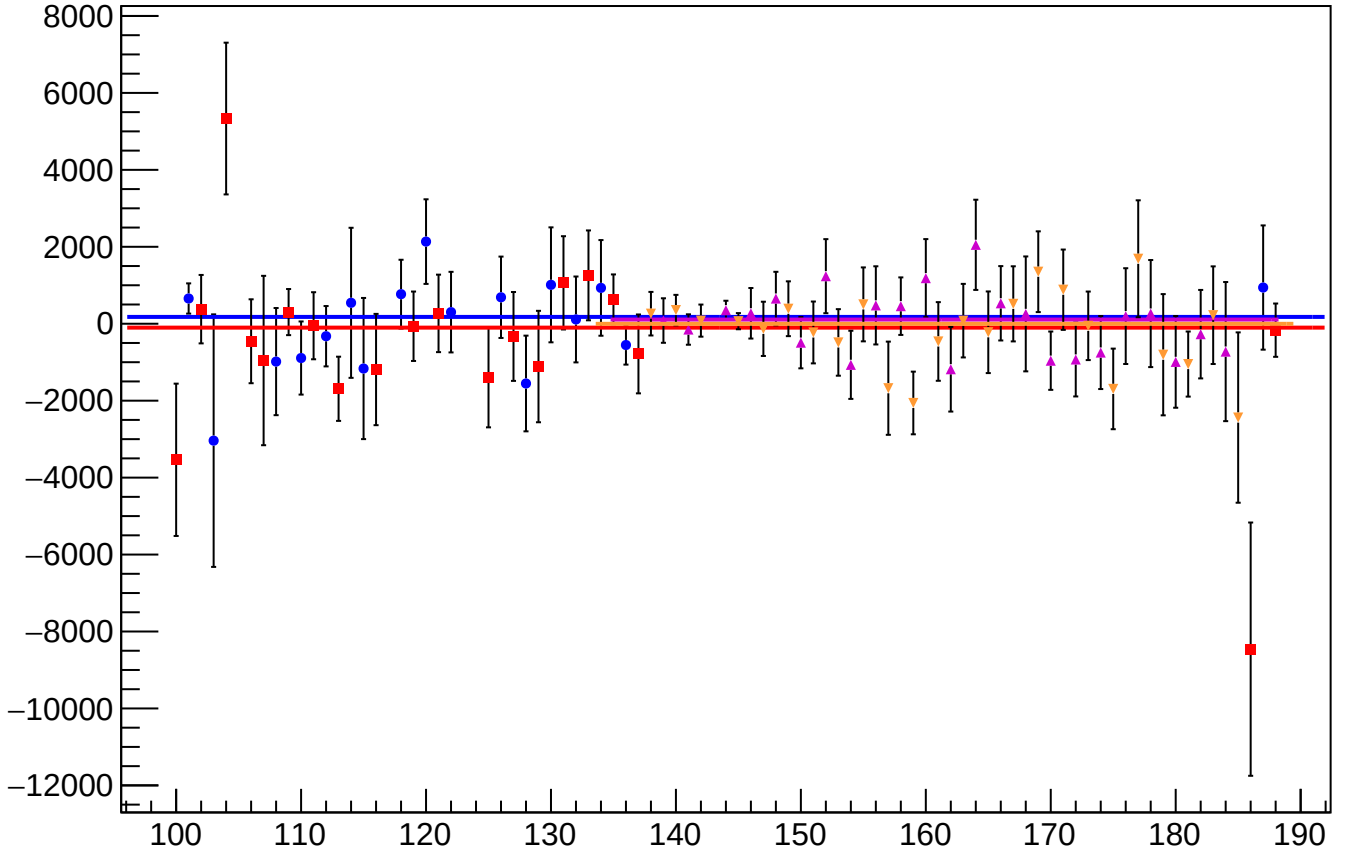
Left: 1732.646+/-0.202 χ^2/NDF: 3178.5/46

Right: 1877.749+/-0.337 χ^2/NDF: 935779.9/36

In: 1765.641+/-0.248 χ^2/NDF:727052.3/39

Out: 1775.971+/-0.242 χ^2/NDF:347606.3/43

All: 1770.929+/-0.173 χ^2/NDF: 1075549.1/83



Right In: 177.327+/-218.010 χ^2/NDF: 14.1/16

Left Out: -2.529+/-130.054 χ^2/NDF:20.3/23

Right Out: -101.204+/-224.728 χ^2/NDF: 27.9/19

Left In: 108.358+/-143.315 χ^2/NDF:17.0/22

Left: 47.548+/-96.310 χ^2/NDF: 37.6/46

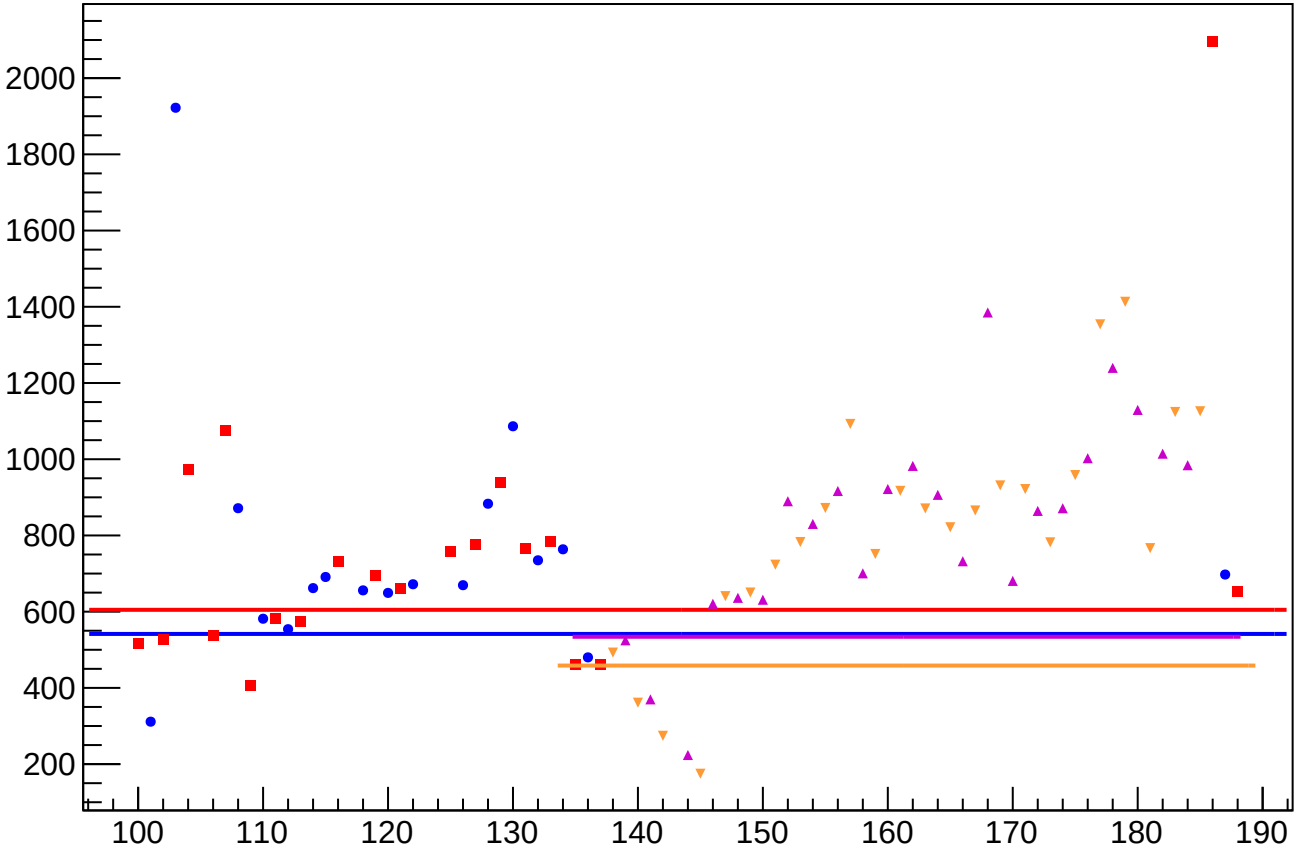
Right: 42.287+/-156.477 χ^2/NDF: 42.9/36

In: 129.169+/-119.756 χ^2/NDF:31.2/39

Out: -27.285+/-112.563 χ^2/NDF:48.4/43

All: 46.103+/-82.019 χ^2/NDF: 80.5/83

asym_us_avg_at1lr_avg_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 541.597+/-0.154 χ^2/NDF: 1877874.9/16

Left Out: 458.589+/-0.092 χ^2/NDF:11426319.1/23

Right Out: 604.875+/-0.159 χ^2/NDF: 1271546.0/19

Left In: 534.168+/-0.101 χ^2/NDF:8442812.5/22

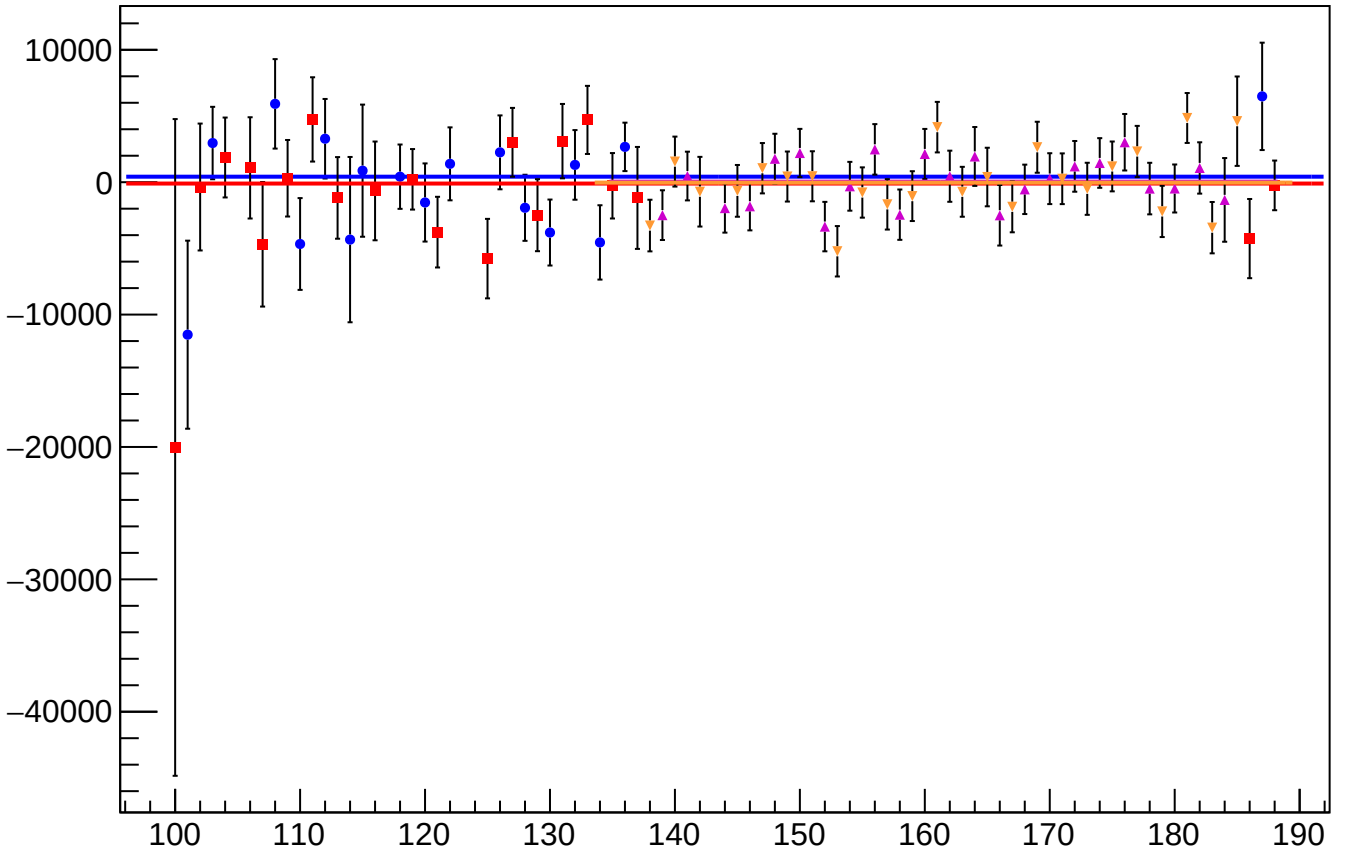
Left: 492.721+/-0.068 χ^2/NDF: 20174164.1/46

Right: 572.276+/-0.111 χ^2/NDF: 3231111.3/36

In: 536.410+/-0.085 χ^2/NDF:10322309.0/39

Out: 495.290+/-0.080 χ^2/NDF:13332709.7/43

All: 514.578+/-0.058 χ^2/NDF: 23780209.5/83



Right In: 416.685+/-707.537 χ^2/NDF: 21.7/16

Left Out: -29.389+/-402.317 χ^2/NDF:35.4/23

Right Out: -101.878+/-660.194 χ^2/NDF: 19.1/19

Left In: 42.465+/-405.052 χ^2/NDF:19.9/22

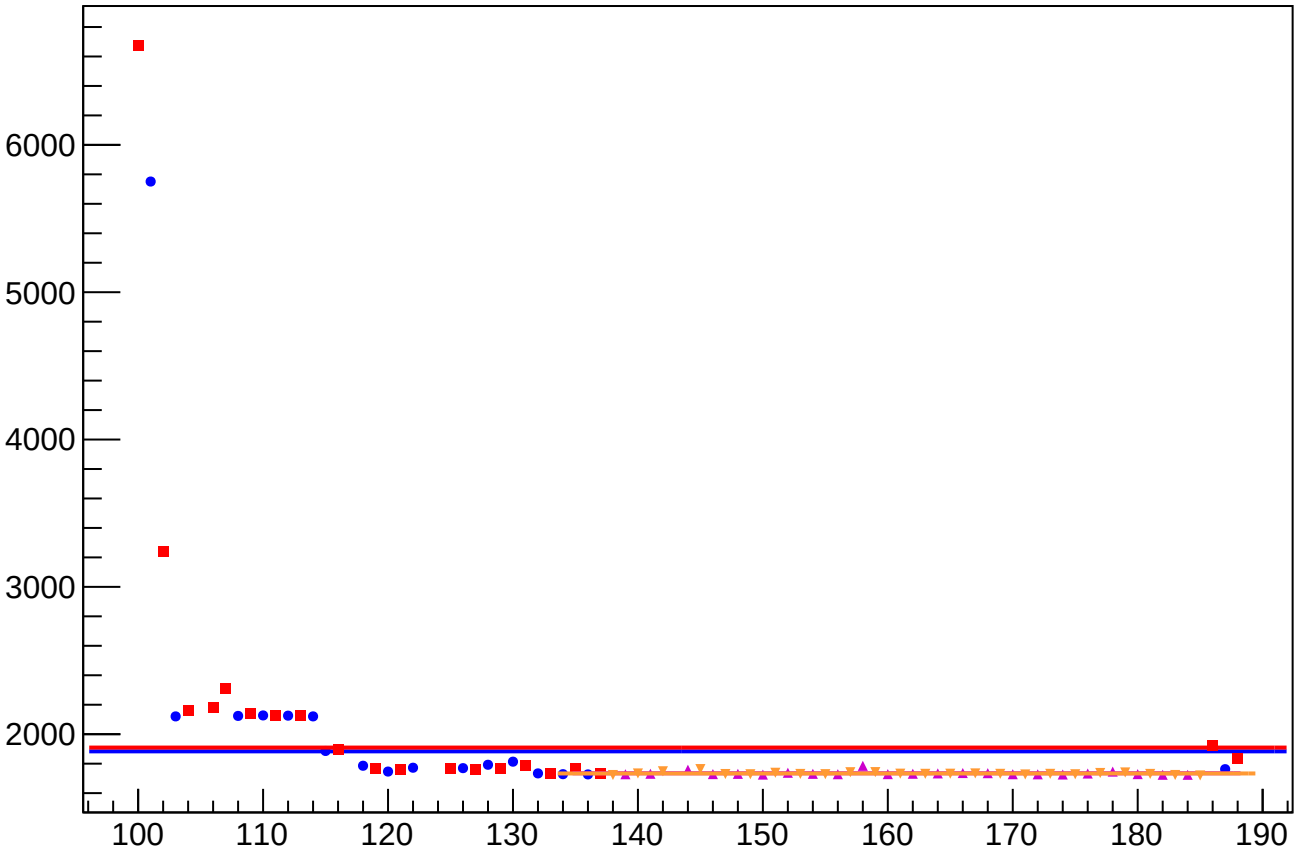
Left: 6.295+/-285.443 χ^2/NDF: 55.3/46

Right: 139.475+/-482.697 χ^2/NDF: 41.1/36

In: 134.836+/-351.524 χ^2/NDF:41.8/39

Out: -49.018+/-343.552 χ^2/NDF:54.5/43

All: 40.801+/-245.698 χ^2/NDF: 96.5/83



Right In: 1883.517+/-0.500 χ^2/NDF: 691273.4/16

Left Out: 1733.478+/-0.284 χ^2/NDF:901.3/23

Right Out: 1909.235+/-0.467 χ^2/NDF: 355954.8/19

Left In: 1734.810+/-0.286 χ^2/NDF:2175.7/22

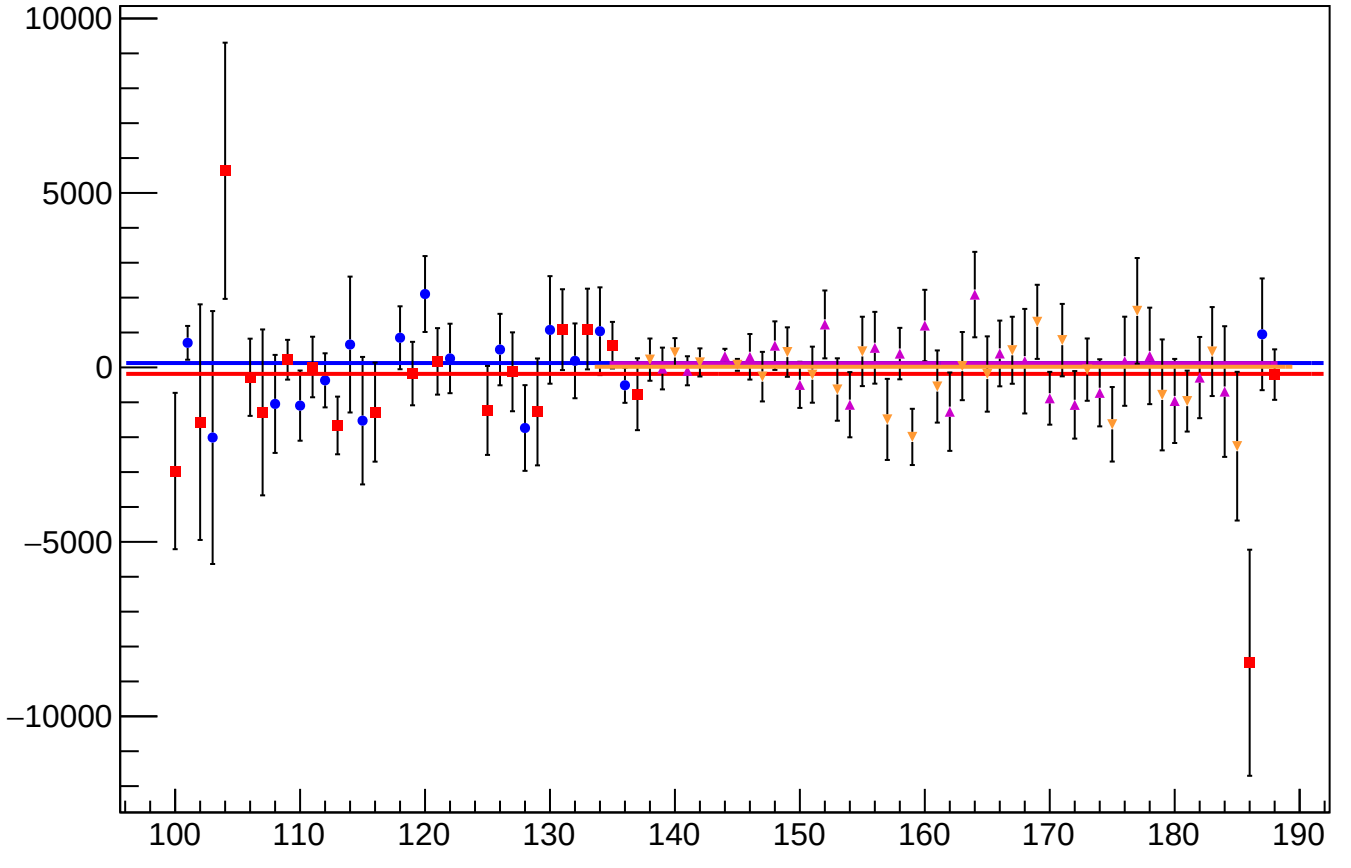
Left: 1734.140+/-0.202 χ^2/NDF: 3087.9/46

Right: 1897.265+/-0.341 χ^2/NDF: 1048640.7/36

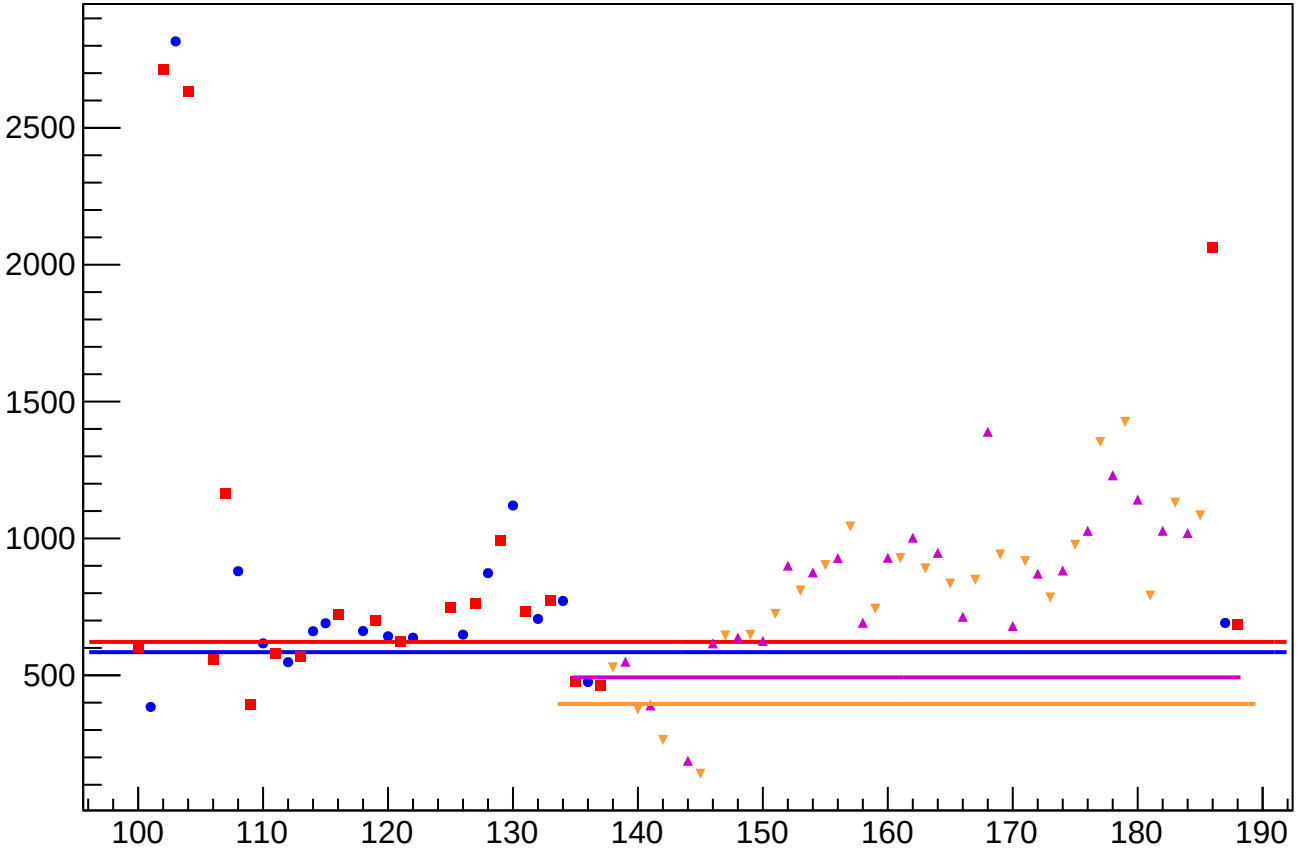
In: 1771.516+/-0.249 χ^2/NDF:759989.6/39

Out: 1781.073+/-0.243 χ^2/NDF:460217.7/43

All: 1776.404+/-0.174 χ^2/NDF: 1220963.4/83


asym_us_avg_at1lr_avg_dd_dit_correction_mean vs Slug, Sign Corrected
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
180
190
Right In: 125.375+/-229.322 χ²/NDF: 14.4/16
Left Out: 18.027+/-119.333 χ²/NDF:19.4/23
Right Out: -185.432+/-232.252 χ²/NDF: 20.9/19
Left In: 121.705+/-137.150 χ²/NDF:16.5/22
Left: 62.699+/-90.026 χ²/NDF: 36.2/46
Right: -28.055+/-163.181 χ²/NDF: 36.3/36
In: 122.672+/-117.705 χ²/NDF:30.9/39
Out: -24.467+/-106.142 χ²/NDF:41.0/43
All: 41.522+/-78.826 χ²/NDF: 72.7/83

asym_us_avg_at1lr_avg_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 584.503+/-0.162 χ^2/NDF: 1763358.2/16

Left Out: 395.188+/-0.084 χ^2/NDF:14334419.9/23

Right Out: 621.912+/-0.164 χ^2/NDF: 2617593.8/19

Left In: 492.294+/-0.097 χ^2/NDF:10419498.8/22

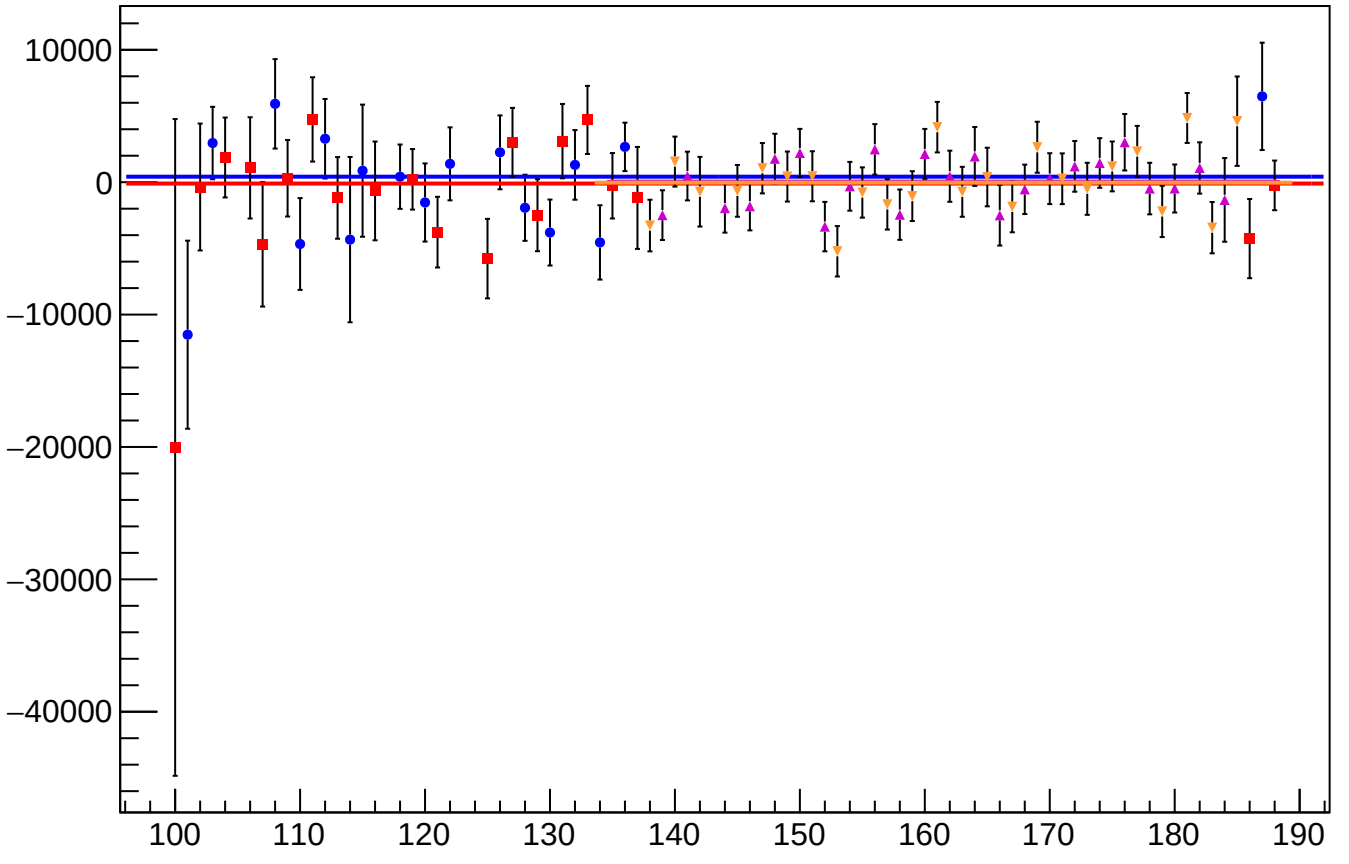
Left: 437.028+/-0.064 χ^2/NDF: 25324537.7/46

Right: 602.970+/-0.115 χ^2/NDF: 4407224.2/36

In: 516.587+/-0.083 χ^2/NDF:12421026.2/39

Out: 442.542+/-0.075 χ^2/NDF:18459857.9/43

All: 475.750+/-0.056 χ^2/NDF: 31317391.9/83



Right In: 416.685+/-707.537 χ^2/NDF: 21.7/16

Left Out: -29.392+/-402.317 χ^2/NDF:35.4/23

Right Out: -101.877+/-660.194 χ^2/NDF: 19.1/19

Left In: 42.465+/-405.052 χ^2/NDF:19.9/22

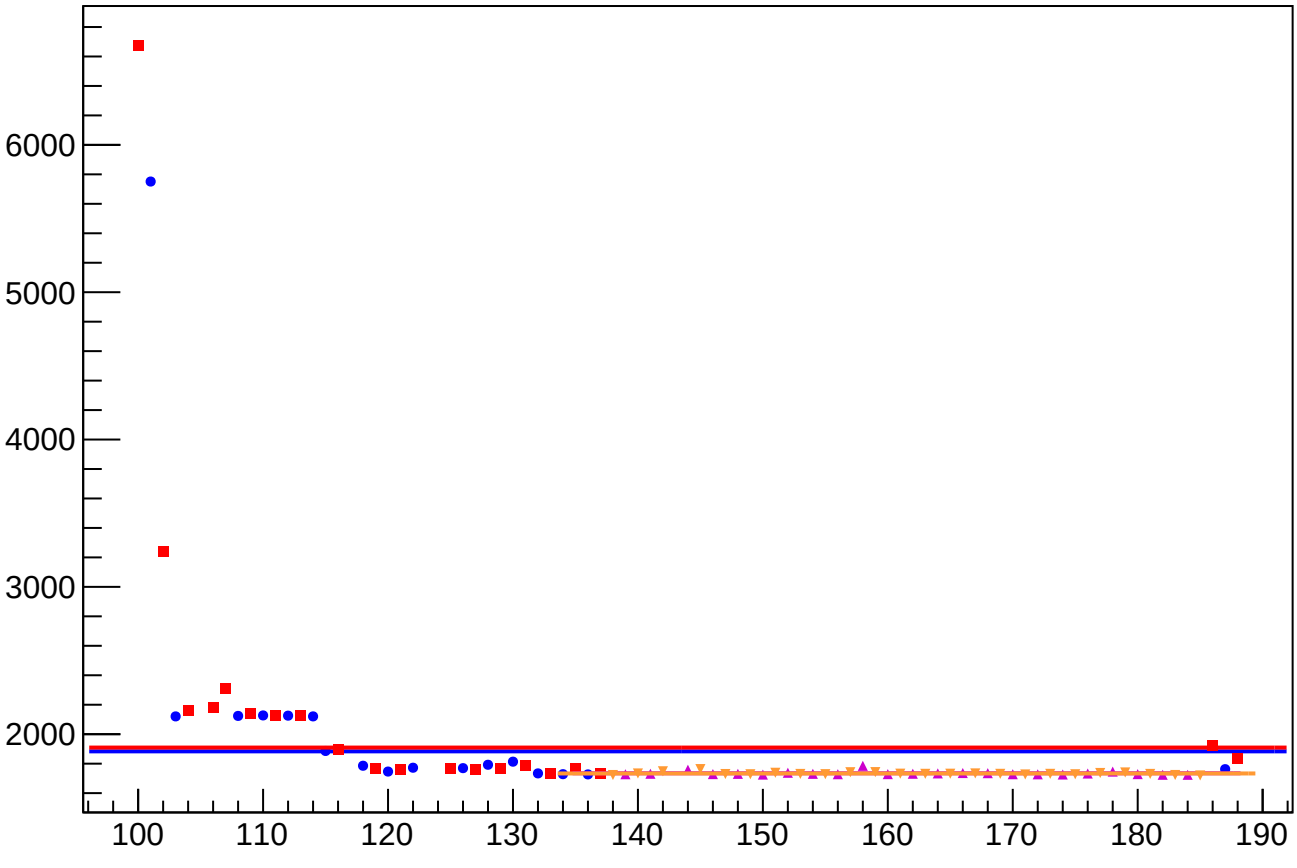
Left: 6.293+/-285.443 χ^2/NDF: 55.3/46

Right: 139.476+/-482.697 χ^2/NDF: 41.1/36

In: 134.837+/-351.524 χ^2/NDF:41.8/39

Out: -49.021+/-343.552 χ^2/NDF:54.5/43

All: 40.800+/-245.698 χ^2/NDF: 96.5/83



Right In: 1883.517+/-0.500 χ^2/NDF: 691273.1/16

Left Out: 1733.478+/-0.284 χ^2/NDF:901.3/23

Right Out: 1909.235+/-0.467 χ^2/NDF: 355954.1/19

Left In: 1734.810+/-0.286 χ^2/NDF:2175.7/22

Left: 1734.140+/-0.202 χ^2/NDF: 3087.9/46

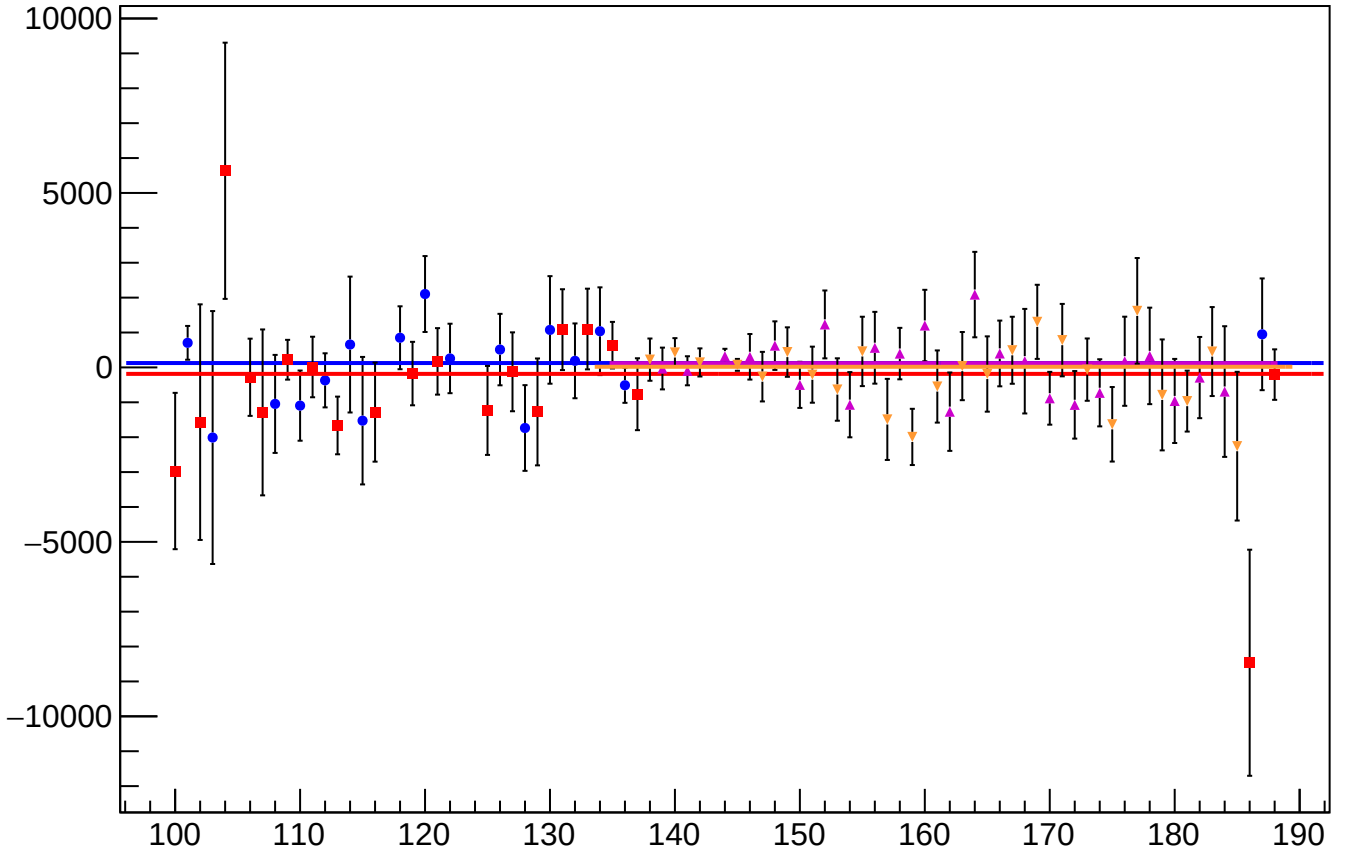
Right: 1897.265+/-0.341 χ^2/NDF: 1048639.7/36

In: 1771.516+/-0.249 χ^2/NDF:759989.3/39

Out: 1781.073+/-0.243 χ^2/NDF:460216.9/43

All: 1776.404+/-0.174 χ^2/NDF: 1220962.1/83

asym_us_avg_at1lr_avg_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 125.372+/-229.321 χ^2/NDF: 14.4/16

Left Out: 18.026+/-119.333 χ^2/NDF:19.4/23

Right Out: -185.430+/-232.251 χ^2/NDF: 20.9/19

Left In: 121.706+/-137.150 χ^2/NDF:16.5/22

Left: 62.698+/-90.026 χ^2/NDF: 36.2/46

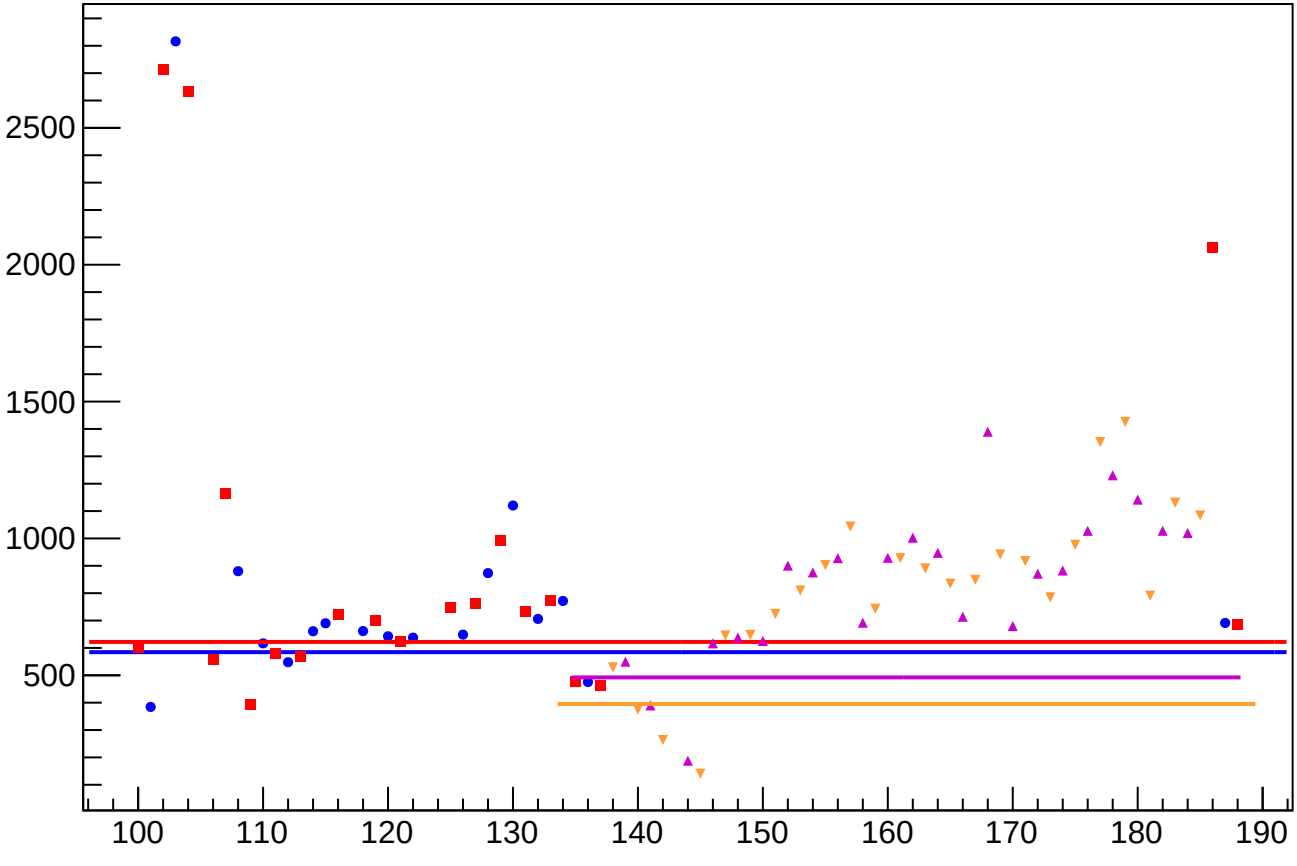
Right: -28.056+/-163.181 χ^2/NDF: 36.3/36

In: 122.672+/-117.705 χ^2/NDF:30.9/39

Out: -24.469+/-106.142 χ^2/NDF:41.0/43

All: 41.521+/-78.826 χ^2/NDF: 72.7/83

asym_us_avg_at1lr_avg_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 584.501+/-0.162 χ^2/NDF: 1763345.9/16

Left Out: 395.188+/-0.084 χ^2/NDF:14334464.6/23

Right Out: 621.908+/-0.164 χ^2/NDF: 2617610.4/19

Left In: 492.295+/-0.097 χ^2/NDF:10419523.2/22

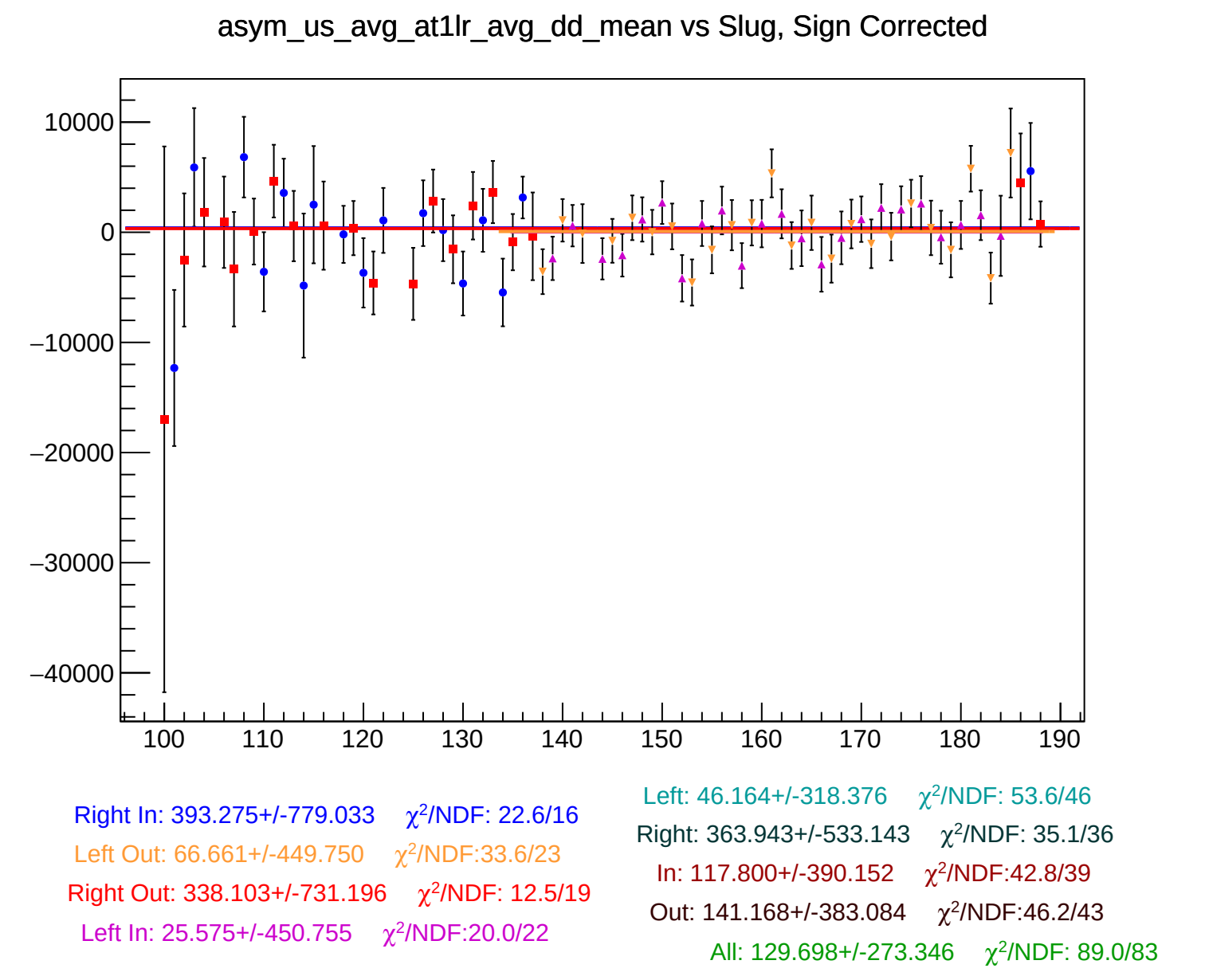
Left: 437.028+/-0.064 χ^2/NDF: 25324612.8/46

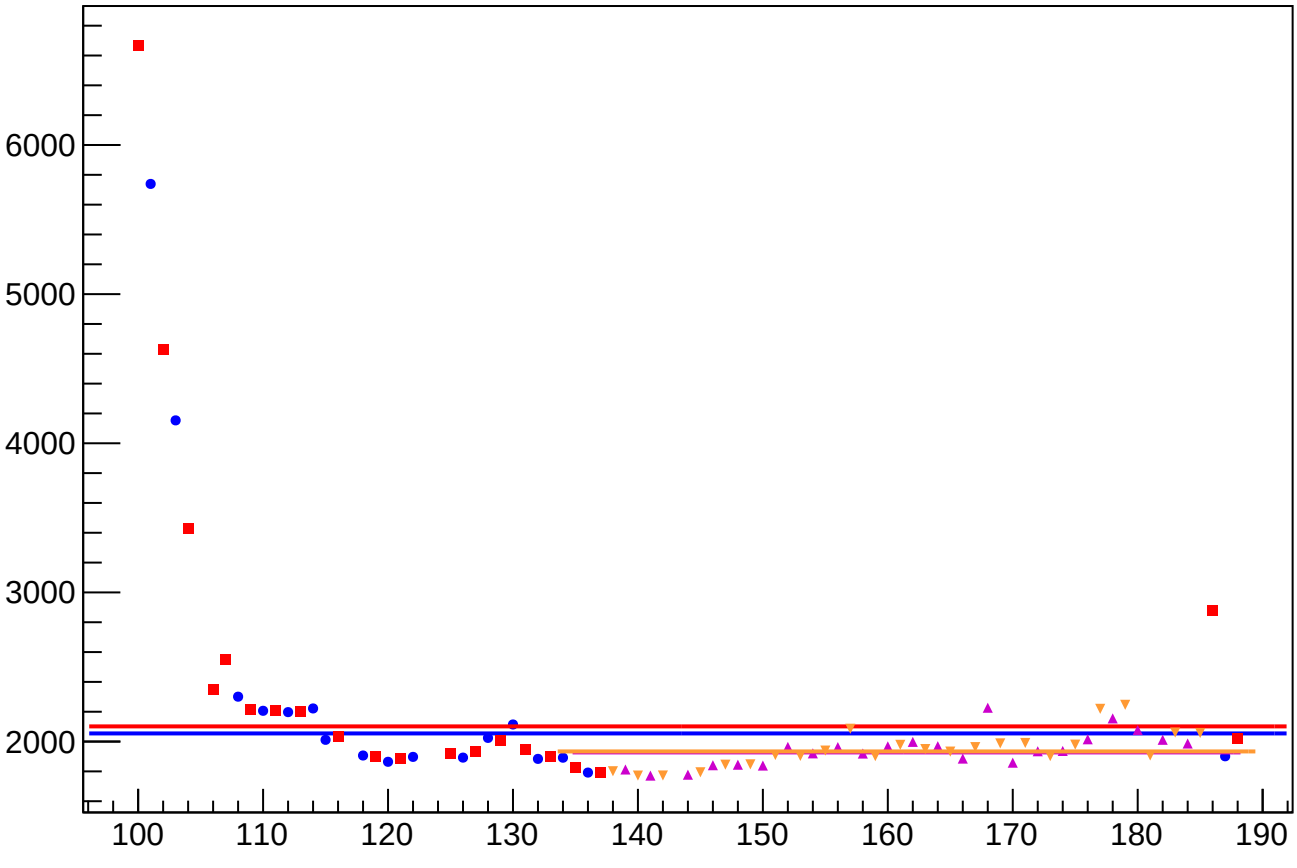
Right: 602.967+/-0.115 χ^2/NDF: 4407225.8/36

In: 516.587+/-0.083 χ^2/NDF:12421026.3/39

Out: 442.541+/-0.075 χ^2/NDF:18459880.4/43

All: 475.749+/-0.056 χ^2/NDF: 31317420.5/83


asym_us_avg_at1lr_avg_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
160
170
180
190
Right In: 393.275+/-779.033 χ²/NDF: 22.6/16
Left Out: 66.661+/-449.750 χ²/NDF:33.6/23
Right Out: 338.103+/-731.196 χ²/NDF: 12.5/19
Left In: 25.575+/-450.755 χ²/NDF:20.0/22
Left: 46.164+/-318.376 χ²/NDF: 53.6/46
Right: 363.943+/-533.143 χ²/NDF: 35.1/36
In: 117.800+/-390.152 χ²/NDF:42.8/39
Out: 141.168+/-383.084 χ²/NDF:46.2/43
All: 129.698+/-273.346 χ²/NDF: 89.0/83



Right In: 2054.483+/-0.551 χ^2/NDF: 942404.5/16

Left Out: 1933.804+/-0.318 χ^2/NDF:128531.8/23

Right Out: 2101.685+/-0.517 χ^2/NDF: 745336.7/19

Left In: 1927.125+/-0.319 χ^2/NDF:116436.1/22

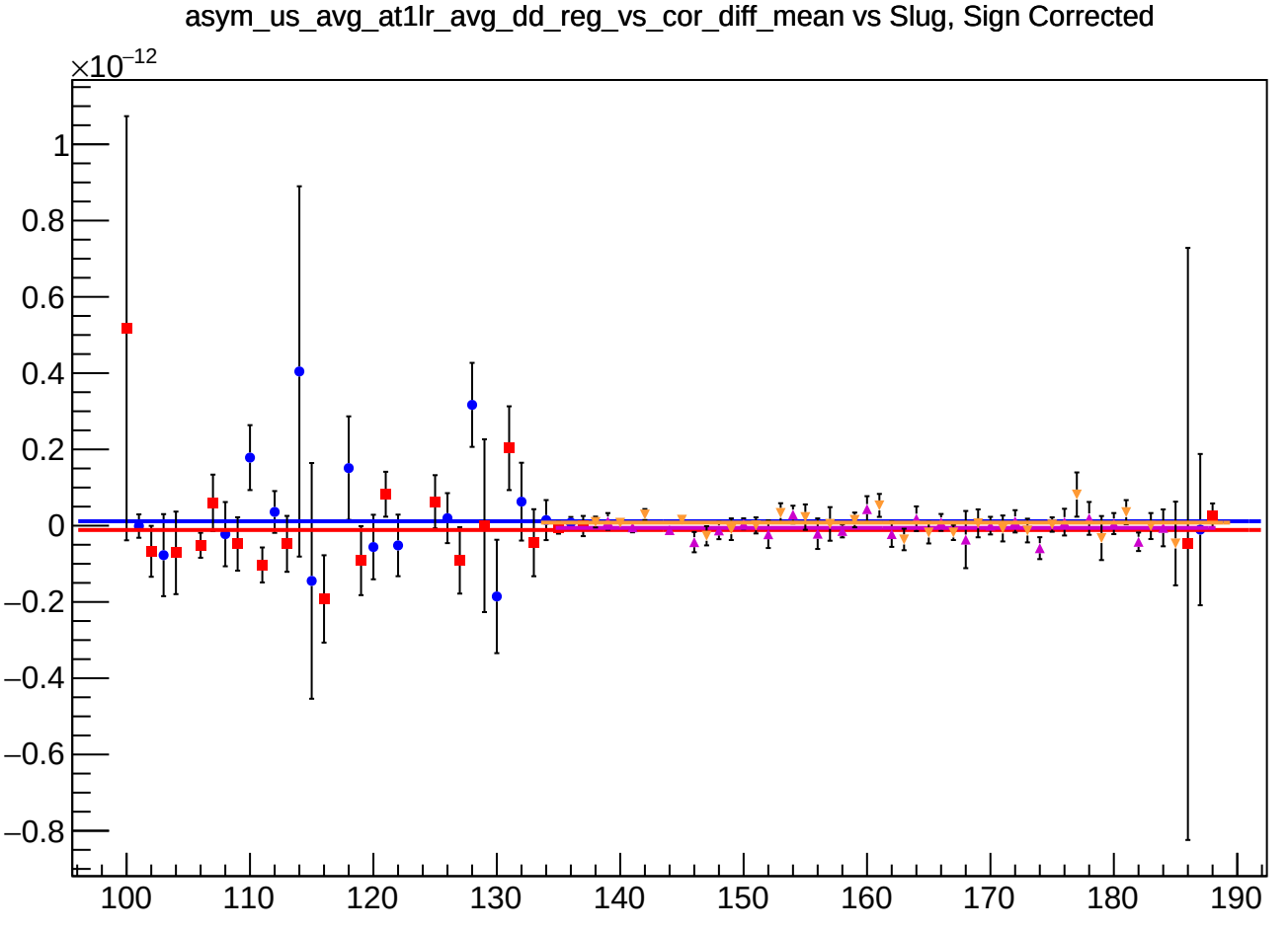
Left: 1930.472+/-0.225 χ^2/NDF: 245187.9/46

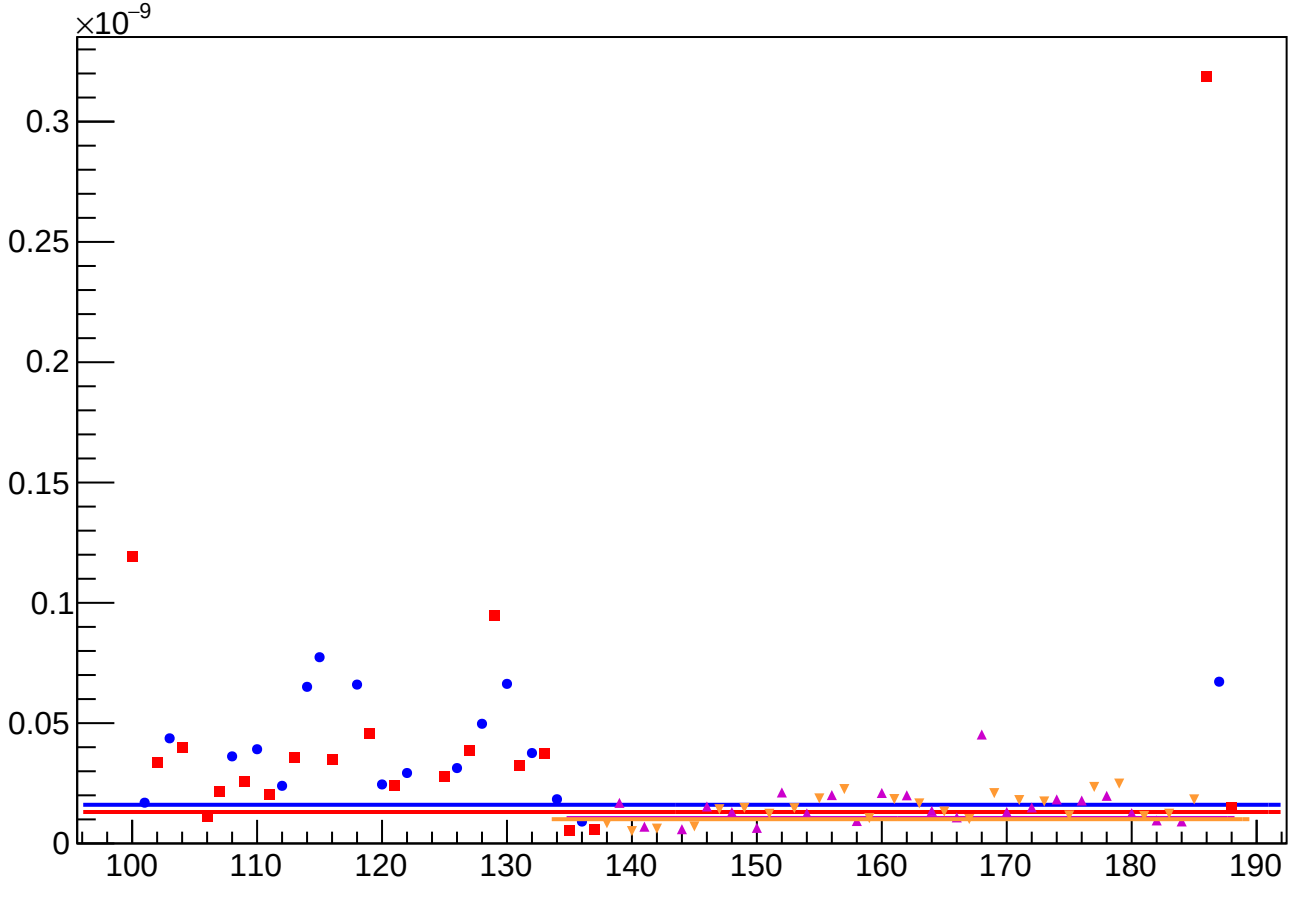
Right: 2079.578+/-0.377 χ^2/NDF: 1691644.8/36

In: 1959.069+/-0.276 χ^2/NDF:1098886.4/39

Out: 1979.886+/-0.271 χ^2/NDF:950359.9/43

All: 1969.667+/-0.193 χ^2/NDF: 2052145.2/83


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
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 18.1/16
Left Out: 0.000+/-0.000 χ²/NDF:17.3/23
Right Out: -0.000+/-0.000 χ²/NDF: 22.3/19
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: 42.6/36
In: -0.000+/-0.000 χ²/NDF:36.8/39
Out: 0.000+/-0.000 χ²/NDF:42.7/43
All: 0.000+/-0.000 χ²/NDF: 81.6/83



Right In: 0.000+/-0.000 χ^2/NDF: 2069081.3/16

Left Out: 0.000+/-0.000 χ^2/NDF:2274817.9/23

Right Out: 0.000+/-0.000 χ^2/NDF: 2804671.0/19

Left In: 0.000+/-0.000 χ^2/NDF:2578668.0/22

Left: 0.000+/-0.000 χ^2/NDF: 4866060.2/46

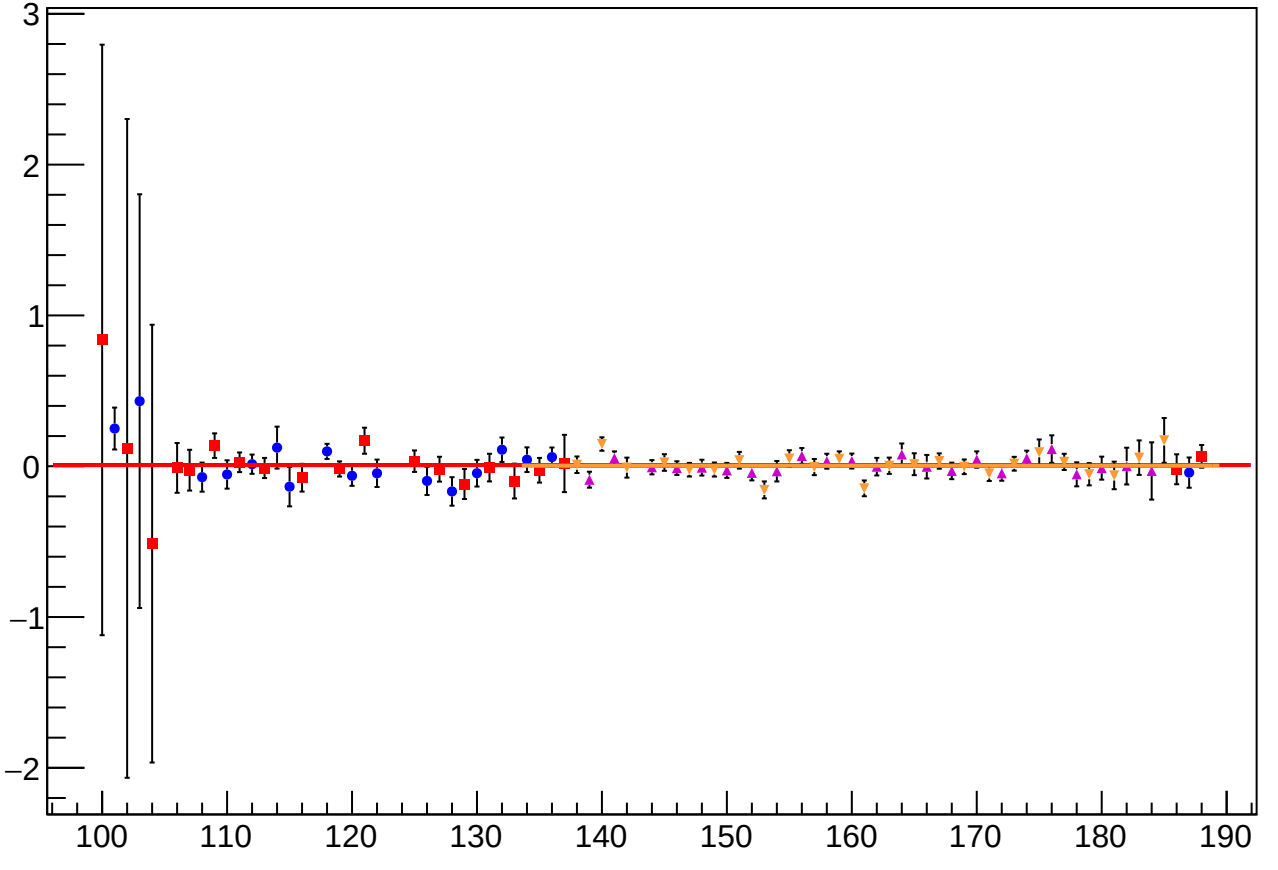
Right: 0.000+/-0.000 χ^2/NDF: 4949843.3/36

In: 0.000+/-0.000 χ^2/NDF:5038137.9/39

Out: 0.000+/-0.000 χ^2/NDF:5226555.9/43

All: 0.000+/-0.000 χ^2/NDF: 10298875.5/83

asym_us_avg_at1lr_avg_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.008+/-0.021 χ^2/NDF: 18.7/16

Left Out: 0.004+/-0.012 χ^2/NDF:35.0/23

Right Out: 0.007+/-0.020 χ^2/NDF: 11.2/19

Left In: 0.003+/-0.012 χ^2/NDF:14.5/22

Left: 0.003+/-0.008 χ^2/NDF: 49.5/46

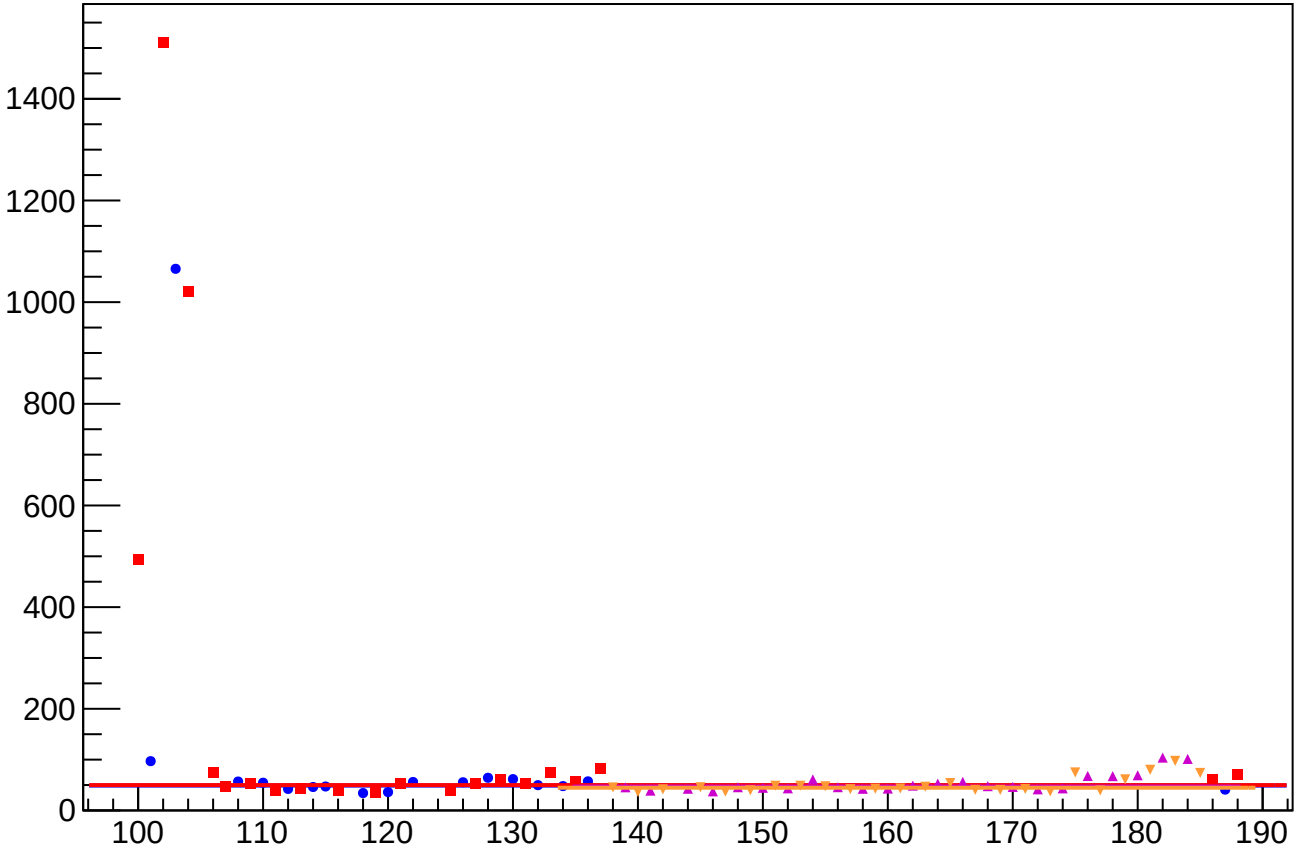
Right: 0.008+/-0.014 χ^2/NDF: 29.9/36

In: 0.004+/-0.010 χ^2/NDF:33.2/39

Out: 0.005+/-0.010 χ^2/NDF:46.3/43

All: 0.004+/-0.007 χ^2/NDF: 79.5/83

asym_us_avg_at1lr_avg_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 48.984+/-0.015 χ^2/NDF: 1790256.6/16

Left Out: 44.733+/-0.008 χ^2/NDF:1481436.4/23

Right Out: 49.854+/-0.014 χ^2/NDF: 2624725.2/19

Left In: 47.033+/-0.008 χ^2/NDF:1383050.4/22

Left: 45.841+/-0.006 χ^2/NDF: 2902954.4/46

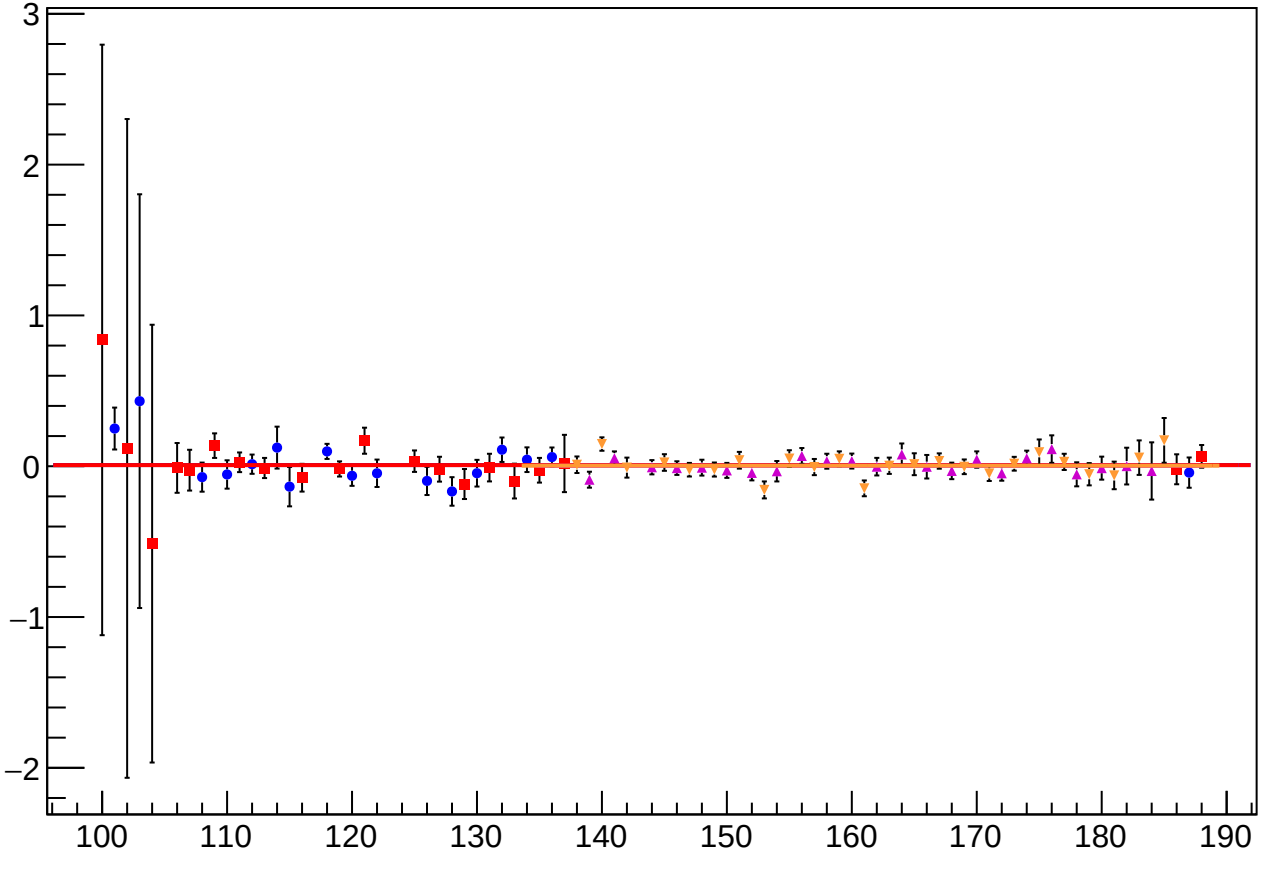
Right: 49.425+/-0.010 χ^2/NDF: 4416807.5/36

In: 47.527+/-0.007 χ^2/NDF:3186819.2/39

Out: 45.985+/-0.007 χ^2/NDF:4203010.6/43

All: 46.732+/-0.005 χ^2/NDF: 7412844.9/83

asym_us_avg_at1lr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.008+/-0.021 χ^2/NDF: 18.7/16

Left Out: 0.004+/-0.012 χ^2/NDF:35.0/23

Right Out: 0.007+/-0.020 χ^2/NDF: 11.2/19

Left In: 0.003+/-0.012 χ^2/NDF:14.5/22

Left: 0.003+/-0.008 χ^2/NDF: 49.5/46

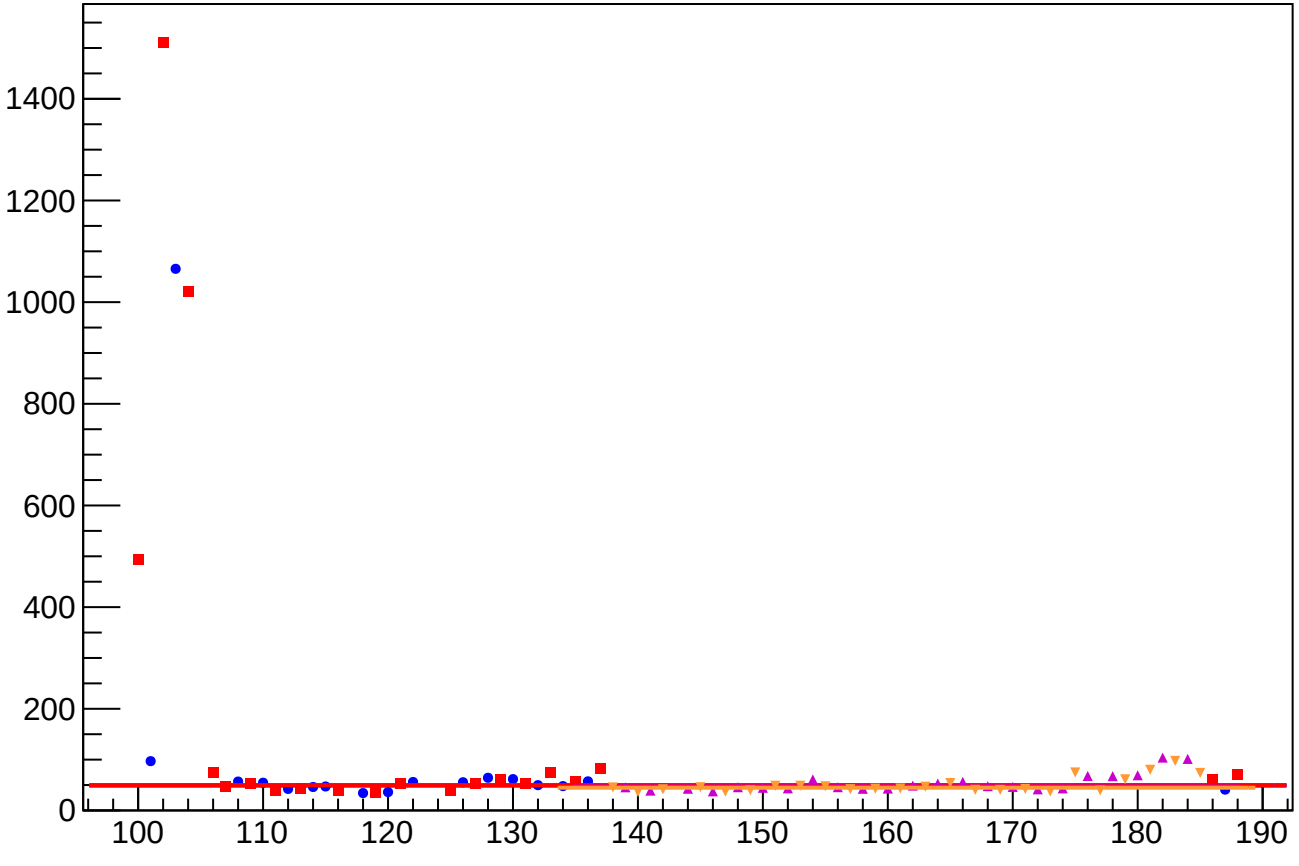
Right: 0.008+/-0.014 χ^2/NDF: 29.9/36

In: 0.004+/-0.010 χ^2/NDF:33.2/39

Out: 0.005+/-0.010 χ^2/NDF:46.3/43

All: 0.004+/-0.007 χ^2/NDF: 79.5/83

asym_us_avg_at1lr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 48.984+/-0.015 χ^2/NDF: 1790256.6/16

Left Out: 44.733+/-0.008 χ^2/NDF:1481436.4/23

Right Out: 49.854+/-0.014 χ^2/NDF: 2624725.2/19

Left In: 47.033+/-0.008 χ^2/NDF:1383050.4/22

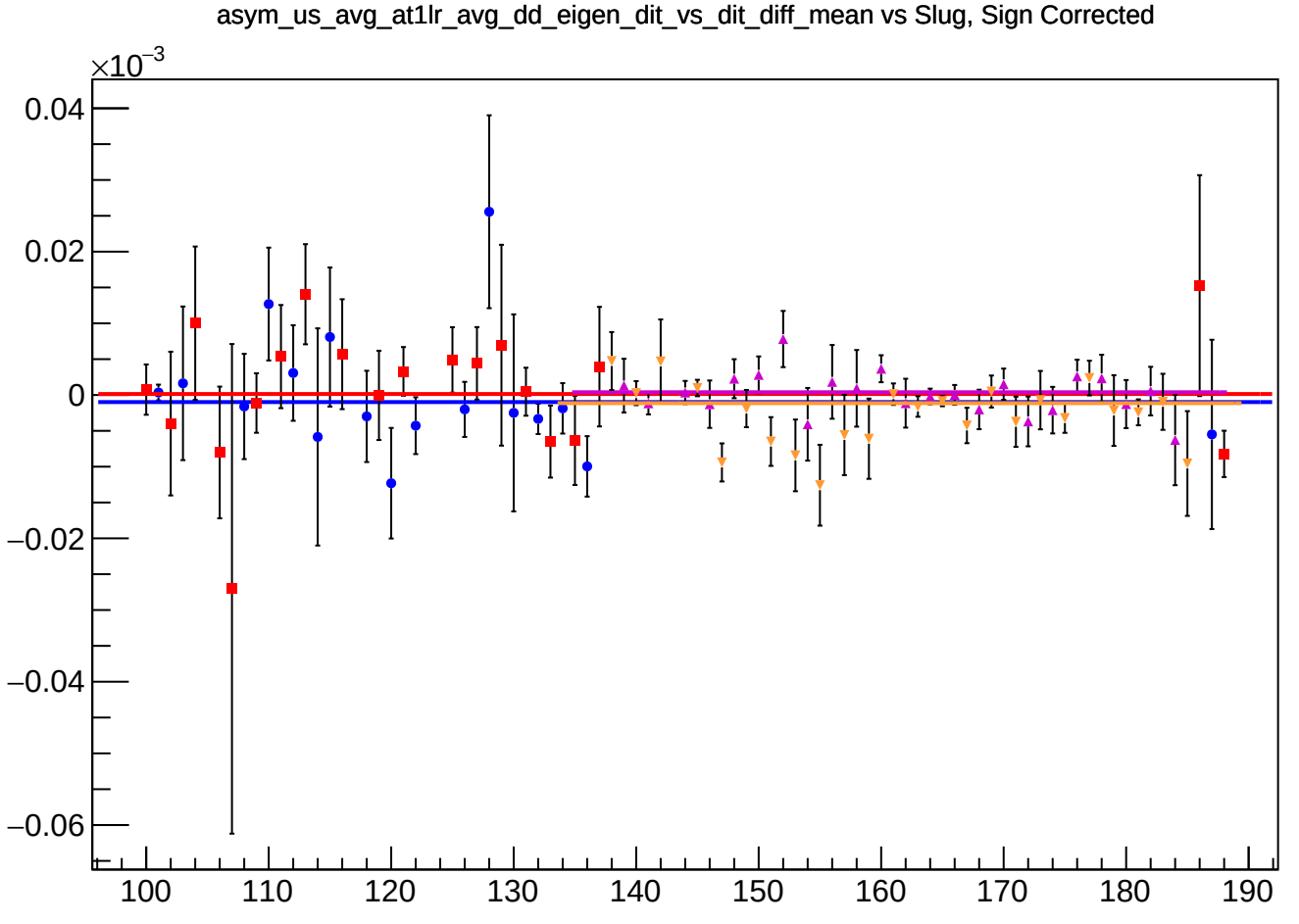
Left: 45.841+/-0.006 χ^2/NDF: 2902954.4/46

Right: 49.425+/-0.010 χ^2/NDF: 4416807.5/36

In: 47.527+/-0.007 χ^2/NDF:3186819.2/39

Out: 45.985+/-0.007 χ^2/NDF:4203010.6/43

All: 46.732+/-0.005 χ^2/NDF: 7412844.9/83



Right In: -0.000+/-0.000 χ^2/NDF: 18.8/16

Left Out: -0.000+/-0.000 χ^2/NDF:35.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 21.2/19

Left In: 0.000+/-0.000 χ^2/NDF:16.3/22

Left: -0.000+/-0.000 χ^2/NDF: 57.8/46

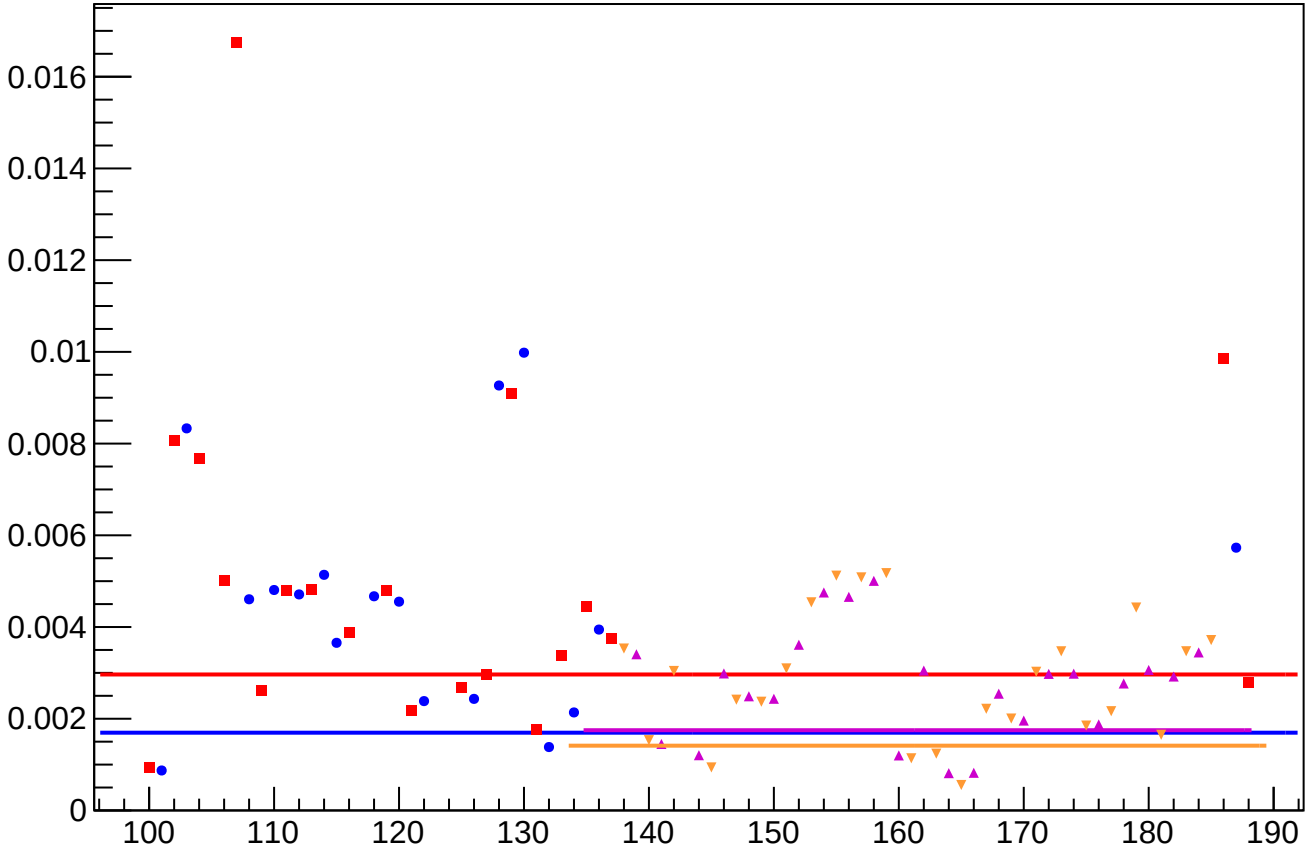
Right: -0.000+/-0.000 χ^2/NDF: 40.5/36

In: 0.000+/-0.000 χ^2/NDF:37.1/39

Out: -0.000+/-0.000 χ^2/NDF:58.0/43

All: -0.000+/-0.000 χ^2/NDF: 98.3/83

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: 6147693.0/16

Left Out: 0.001+/-0.000 χ^2/NDF:11586658.8/23

Right Out: 0.003+/-0.000 χ^2/NDF: 3785231.8/19

Left In: 0.002+/-0.000 χ^2/NDF:8238945.3/22

Left: 0.002+/-0.000 χ^2/NDF: 20381149.0/46

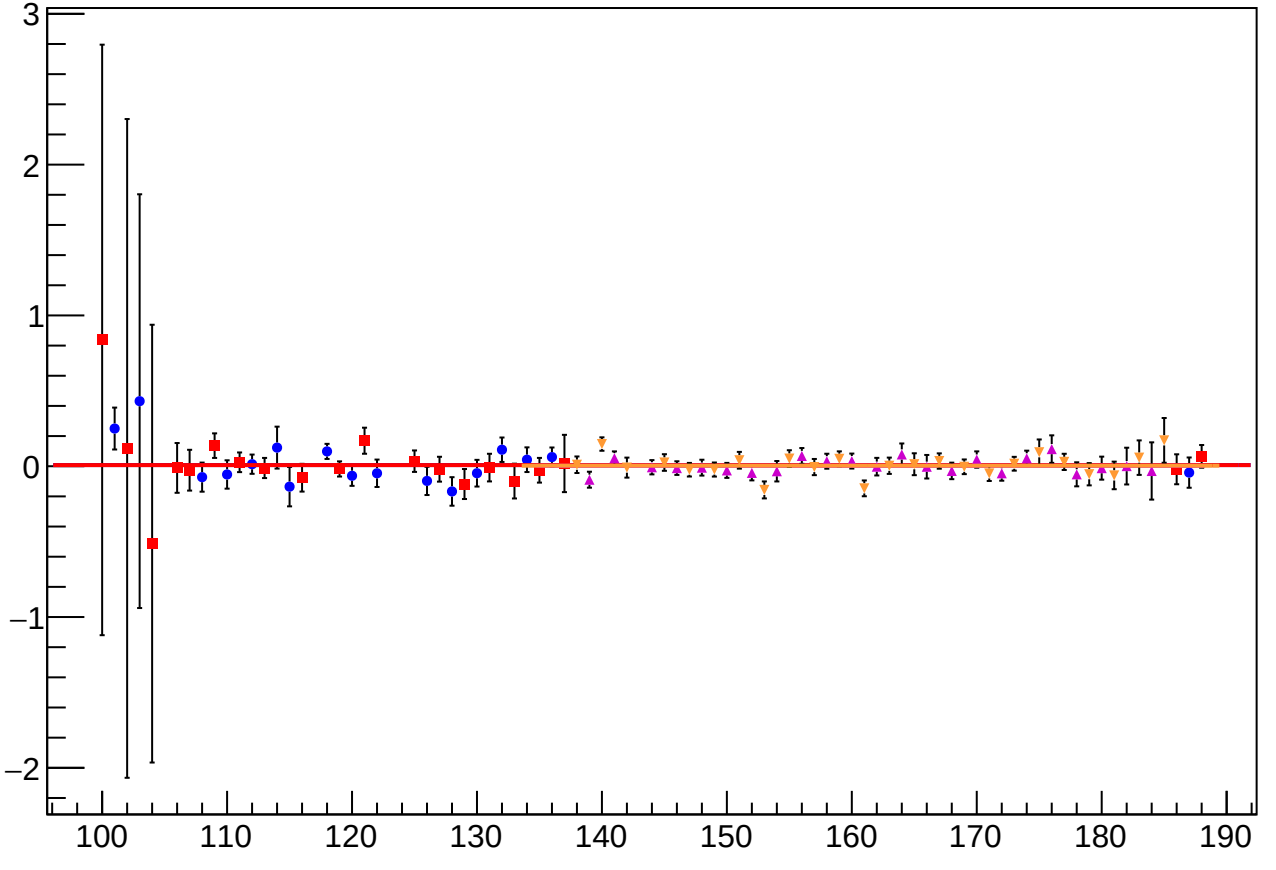
Right: 0.002+/-0.000 χ^2/NDF: 11459420.6/36

In: 0.002+/-0.000 χ^2/NDF:14392922.1/39

Out: 0.002+/-0.000 χ^2/NDF:18396471.2/43

All: 0.002+/-0.000 χ^2/NDF: 32943735.7/83

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.008+/-0.021 χ^2/NDF: 18.7/16

Left Out: 0.004+/-0.012 χ^2/NDF:35.0/23

Right Out: 0.007+/-0.020 χ^2/NDF: 11.2/19

Left In: 0.003+/-0.012 χ^2/NDF:14.5/22

Left: 0.003+/-0.008 χ^2/NDF: 49.5/46

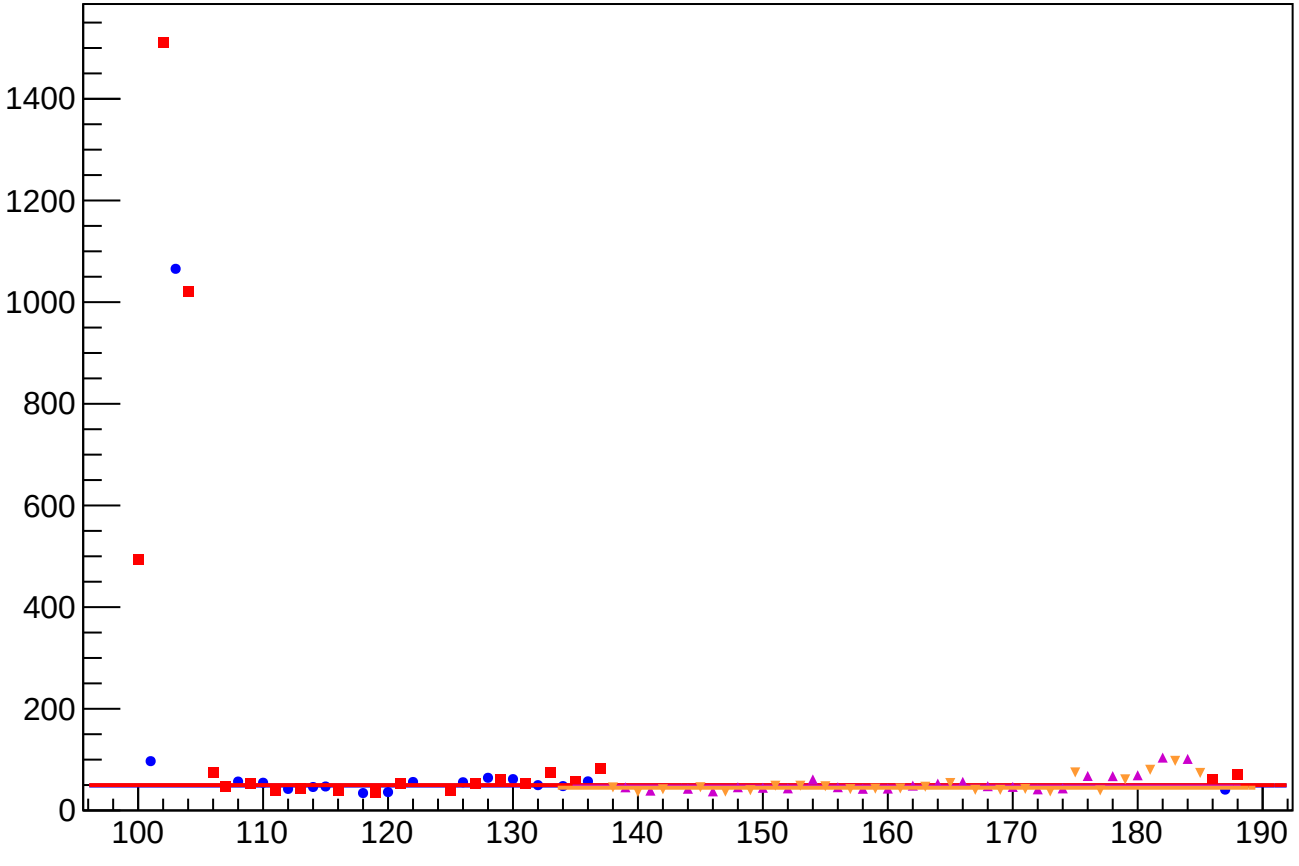
Right: 0.008+/-0.014 χ^2/NDF: 29.9/36

In: 0.004+/-0.010 χ^2/NDF:33.2/39

Out: 0.005+/-0.010 χ^2/NDF:46.3/43

All: 0.004+/-0.007 χ^2/NDF: 79.5/83

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 48.984+/-0.015 χ^2/NDF: 1790182.8/16

Left Out: 44.733+/-0.008 χ^2/NDF:1481436.0/23

Right Out: 49.853+/-0.014 χ^2/NDF: 2624760.8/19

Left In: 47.033+/-0.008 χ^2/NDF:1383121.1/22

Left: 45.840+/-0.006 χ^2/NDF: 2903011.0/46

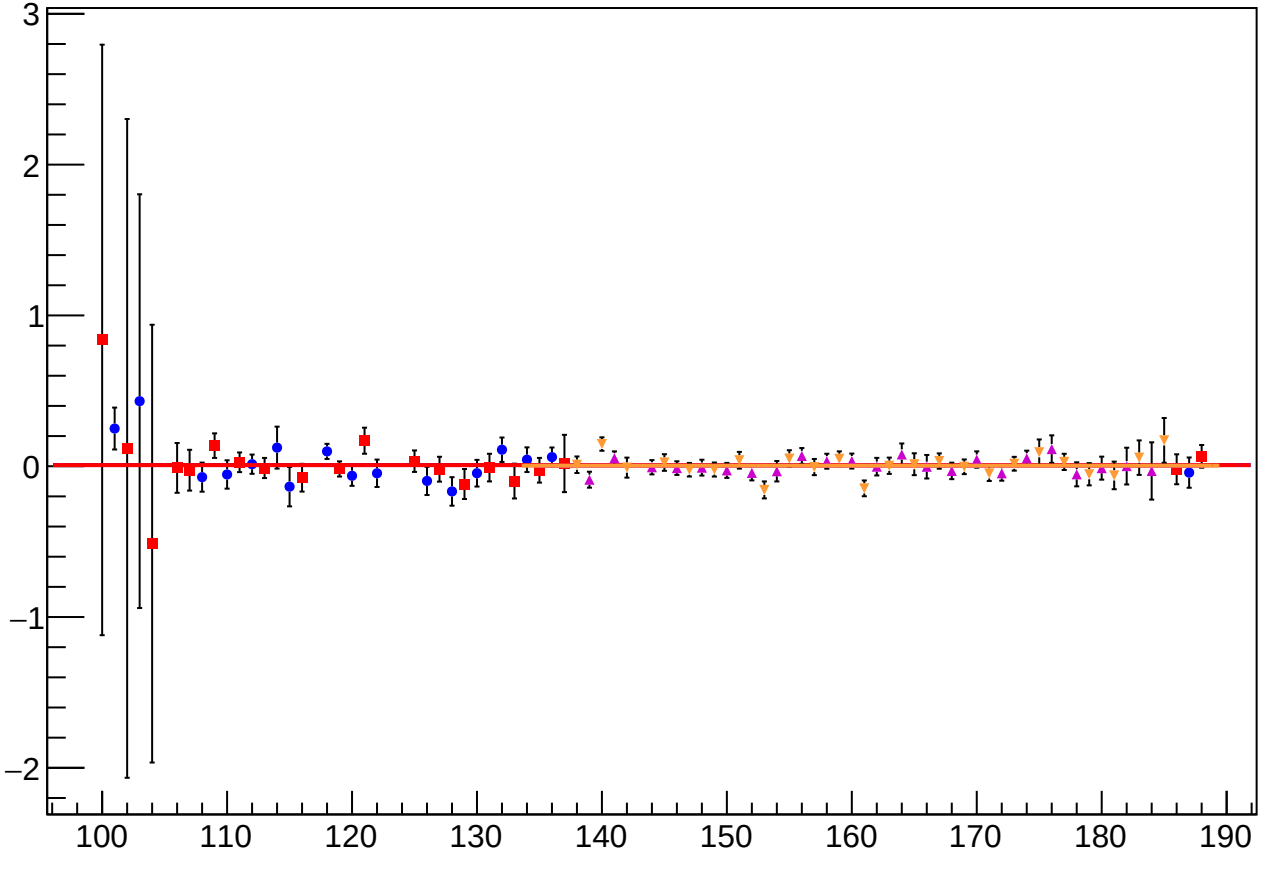
Right: 49.425+/-0.010 χ^2/NDF: 4416763.9/36

In: 47.527+/-0.007 χ^2/NDF:3186825.3/39

Out: 45.985+/-0.007 χ^2/NDF:4203008.8/43

All: 46.732+/-0.005 χ^2/NDF: 7412848.5/83

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.008+/-0.021 χ^2/NDF: 18.7/16

Left Out: 0.004+/-0.012 χ^2/NDF:35.0/23

Right Out: 0.007+/-0.020 χ^2/NDF: 11.2/19

Left In: 0.003+/-0.012 χ^2/NDF:14.5/22

Left: 0.003+/-0.008 χ^2/NDF: 49.5/46

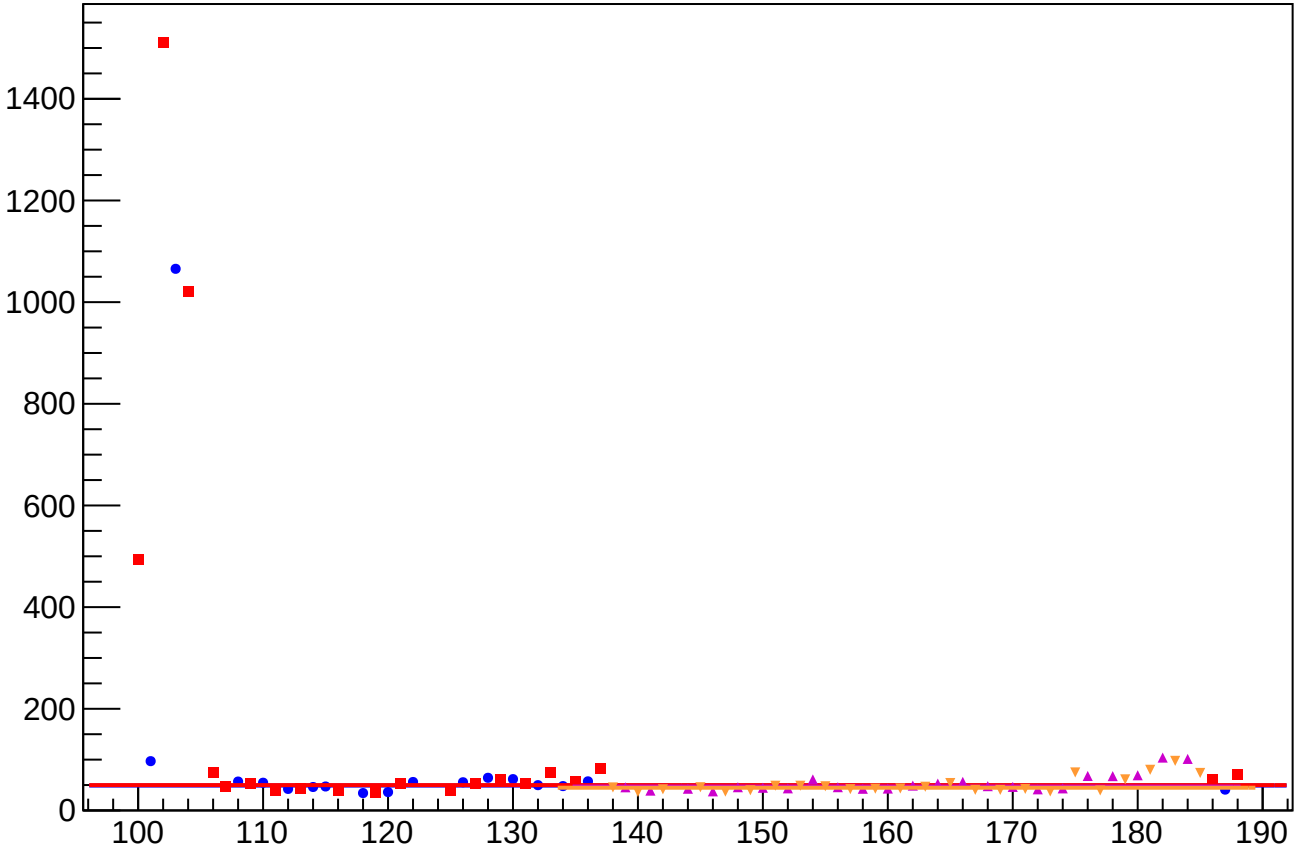
Right: 0.008+/-0.014 χ^2/NDF: 29.9/36

In: 0.004+/-0.010 χ^2/NDF:33.2/39

Out: 0.005+/-0.010 χ^2/NDF:46.3/43

All: 0.004+/-0.007 χ^2/NDF: 79.5/83

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 48.984+/-0.015 χ^2/NDF: 1790182.8/16

Left Out: 44.733+/-0.008 χ^2/NDF:1481436.0/23

Right Out: 49.853+/-0.014 χ^2/NDF: 2624760.8/19

Left In: 47.033+/-0.008 χ^2/NDF:1383121.1/22

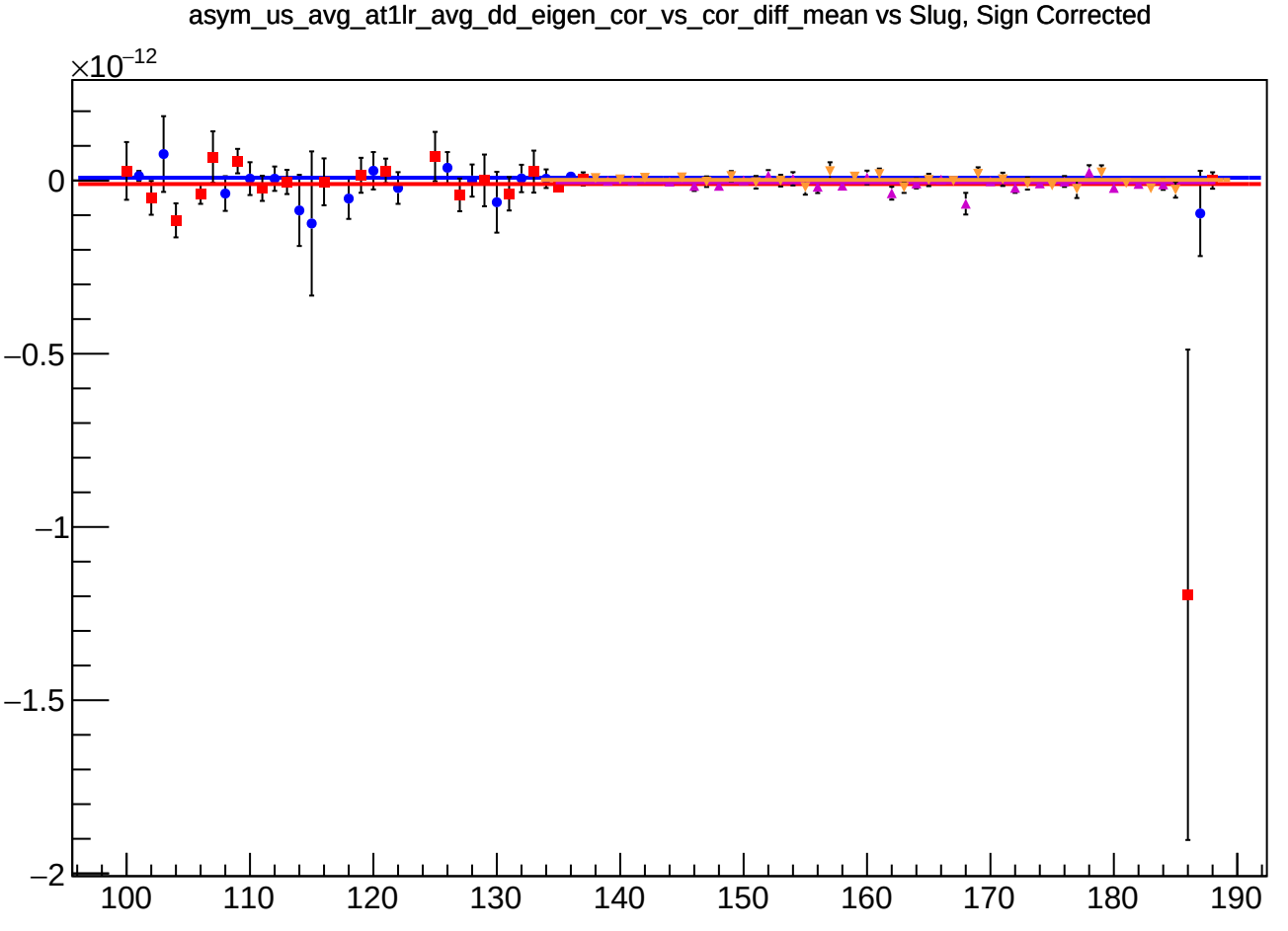
Left: 45.840+/-0.006 χ^2/NDF: 2903011.0/46

Right: 49.425+/-0.010 χ^2/NDF: 4416763.9/36

In: 47.527+/-0.007 χ^2/NDF:3186825.3/39

Out: 45.985+/-0.007 χ^2/NDF:4203008.8/43

All: 46.732+/-0.005 χ^2/NDF: 7412848.5/83



Right In: 0.000+/-0.000 χ^2/NDF: 6.1/16

Left Out: 0.000+/-0.000 χ^2/NDF:20.6/23

Right Out: -0.000+/-0.000 χ^2/NDF: 19.2/19

Left In: -0.000+/-0.000 χ^2/NDF:17.9/22

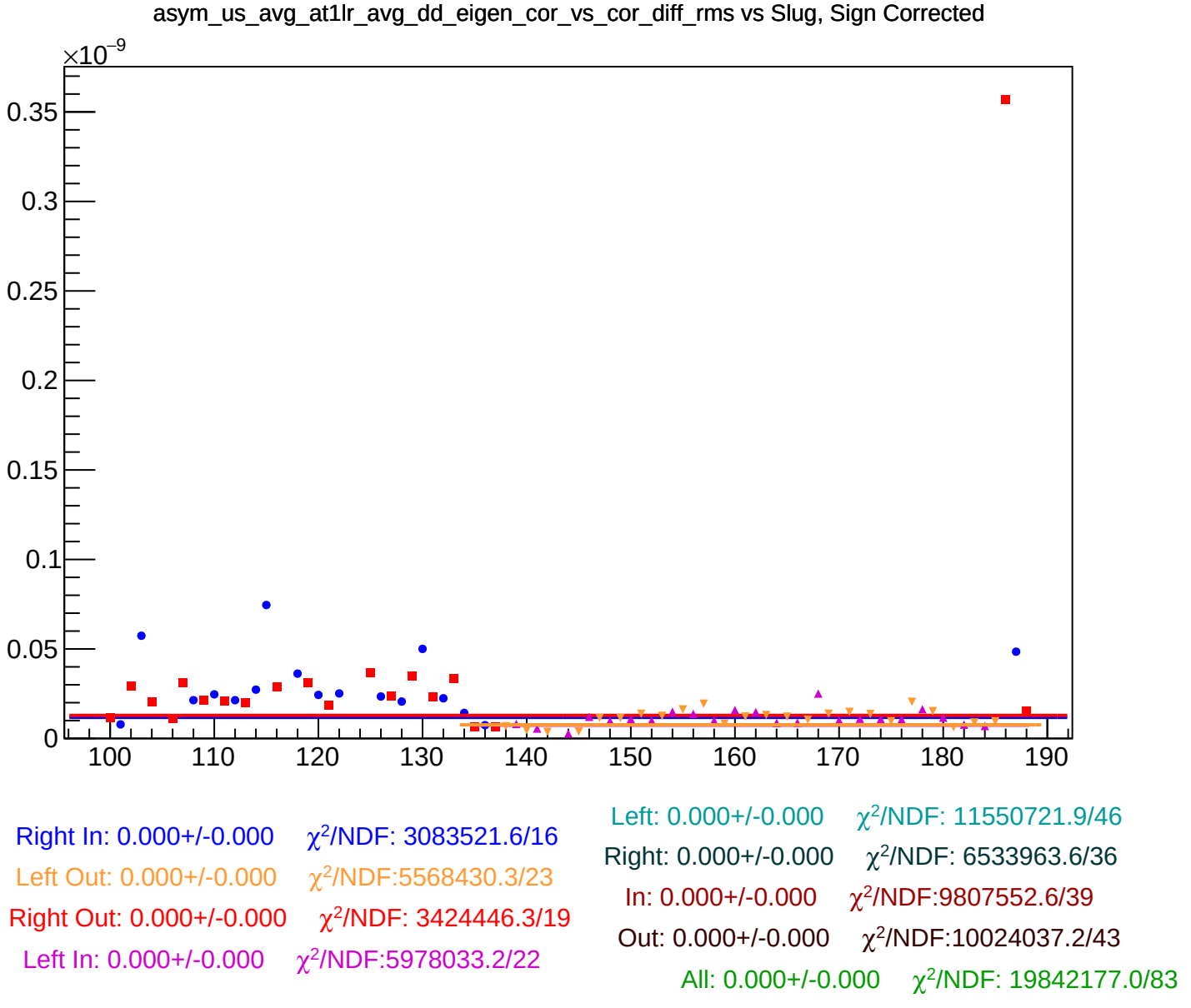
Left: -0.000+/-0.000 χ^2/NDF: 42.7/46

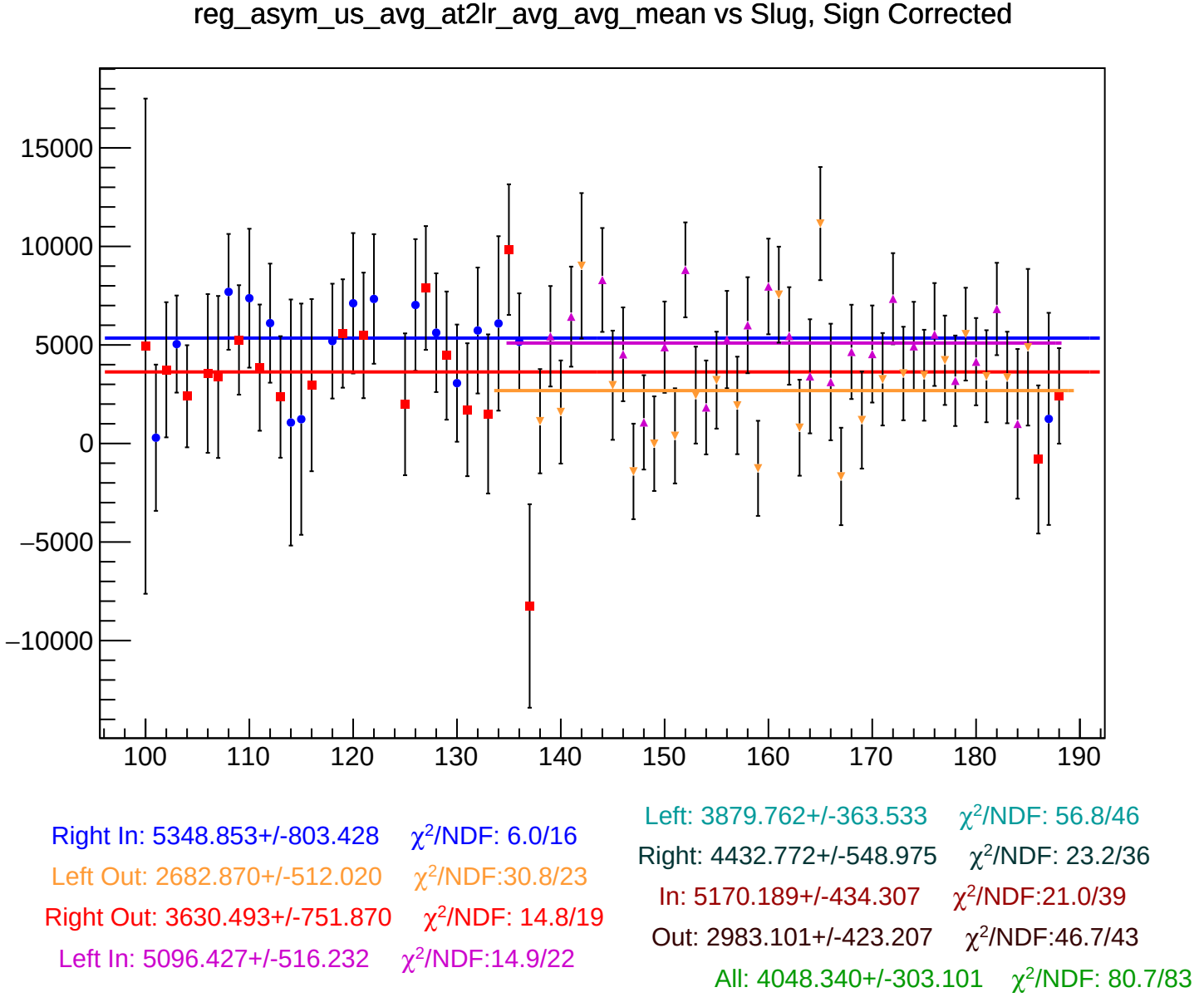
Right: -0.000+/-0.000 χ^2/NDF: 28.9/36

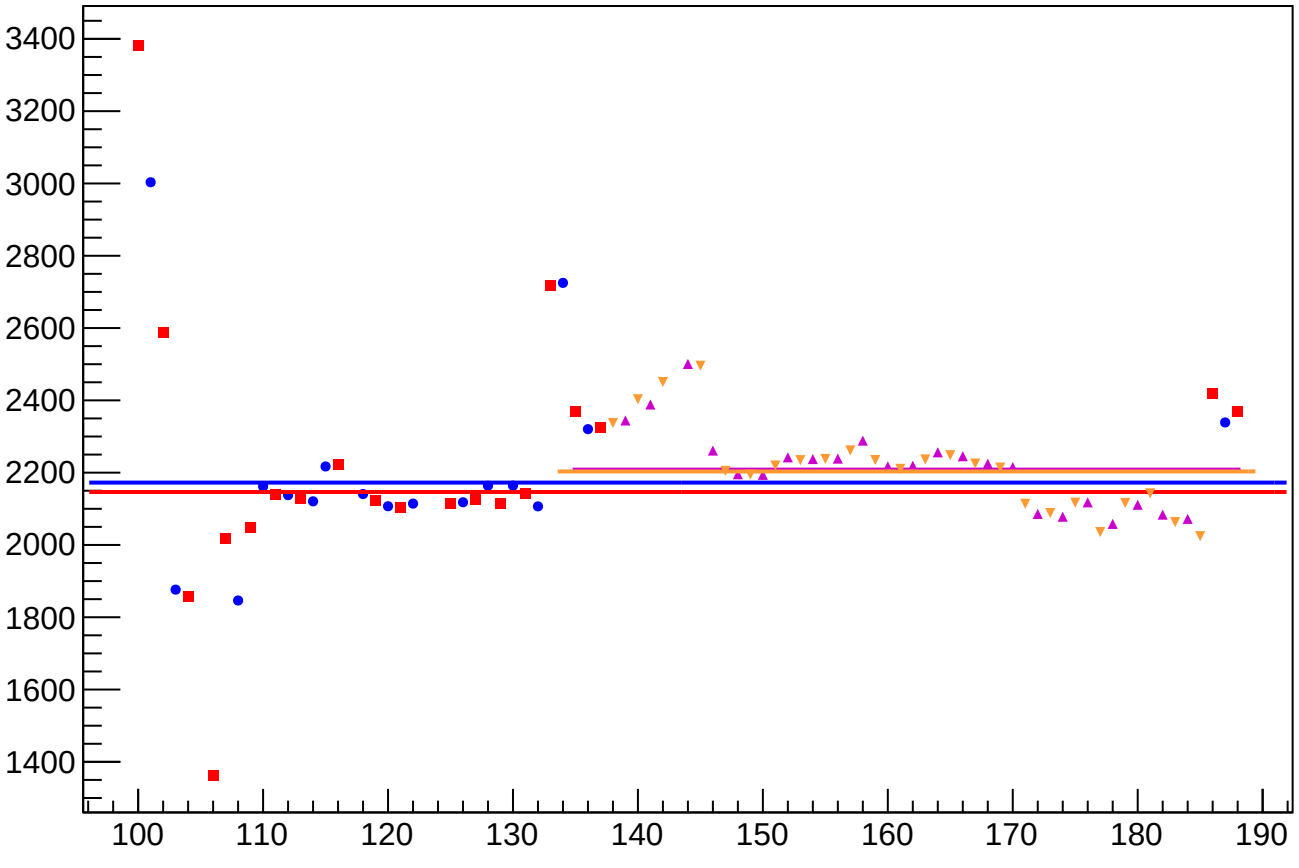
In: -0.000+/-0.000 χ^2/NDF:27.5/39

Out: 0.000+/-0.000 χ^2/NDF:42.5/43

All: -0.000+/-0.000 χ^2/NDF: 71.7/83


asym_us_avg_at1lr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 3083521.6/16
Left Out: 0.000+/-0.000 χ²/NDF:5568430.3/23
Right Out: 0.000+/-0.000 χ²/NDF: 3424446.3/19
Left In: 0.000+/-0.000 χ²/NDF:5978033.2/22
Left: 0.000+/-0.000 χ²/NDF: 11550721.9/46
Right: 0.000+/-0.000 χ²/NDF: 6533963.6/36
In: 0.000+/-0.000 χ²/NDF:9807552.6/39
Out: 0.000+/-0.000 χ²/NDF:10024037.2/43
All: 0.000+/-0.000 χ²/NDF: 19842177.0/83


reg_asym_us_avg_at2lr_avg_avg_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
180
190
Right In: 5348.853+/-803.428 χ²/NDF: 6.0/16
Left Out: 2682.870+/-512.020 χ²/NDF:30.8/23
Right Out: 3630.493+/-751.870 χ²/NDF: 14.8/19
Left In: 5096.427+/-516.232 χ²/NDF:14.9/22
Left: 3879.762+/-363.533 χ²/NDF: 56.8/46
Right: 4432.772+/-548.975 χ²/NDF: 23.2/36
In: 5170.189+/-434.307 χ²/NDF:21.0/39
Out: 2983.101+/-423.207 χ²/NDF:46.7/43
All: 4048.340+/-303.101 χ²/NDF: 80.7/83



Right In: 2172.507+/-0.568 χ^2/NDF: 197614.1/16

Left Out: 2203.297+/-0.362 χ^2/NDF:88208.3/23

Right Out: 2146.511+/-0.524 χ^2/NDF: 298751.0/19

Left In: 2208.379+/-0.365 χ^2/NDF:80994.3/22

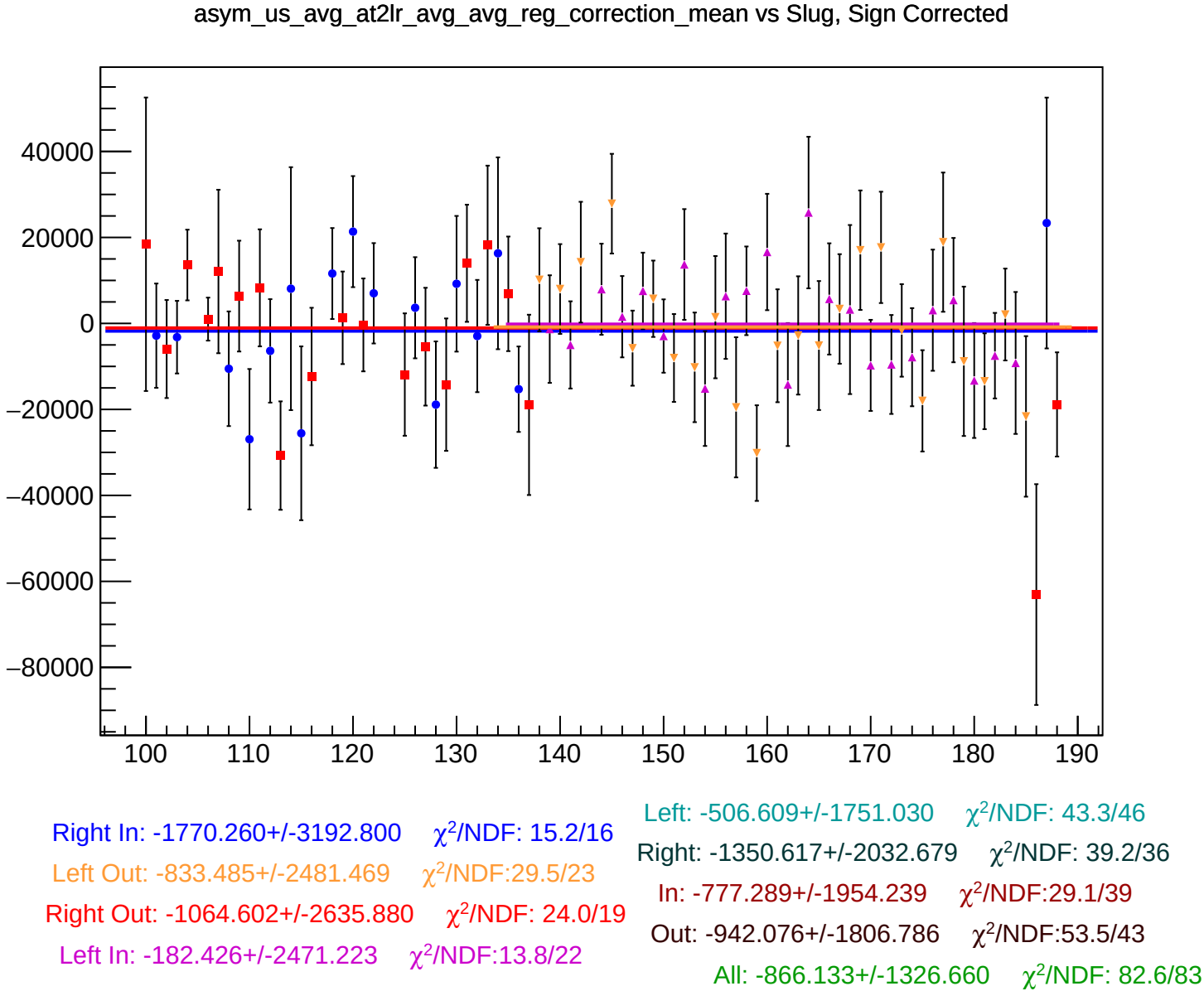
Left: 2205.817+/-0.257 χ^2/NDF: 169300.4/46

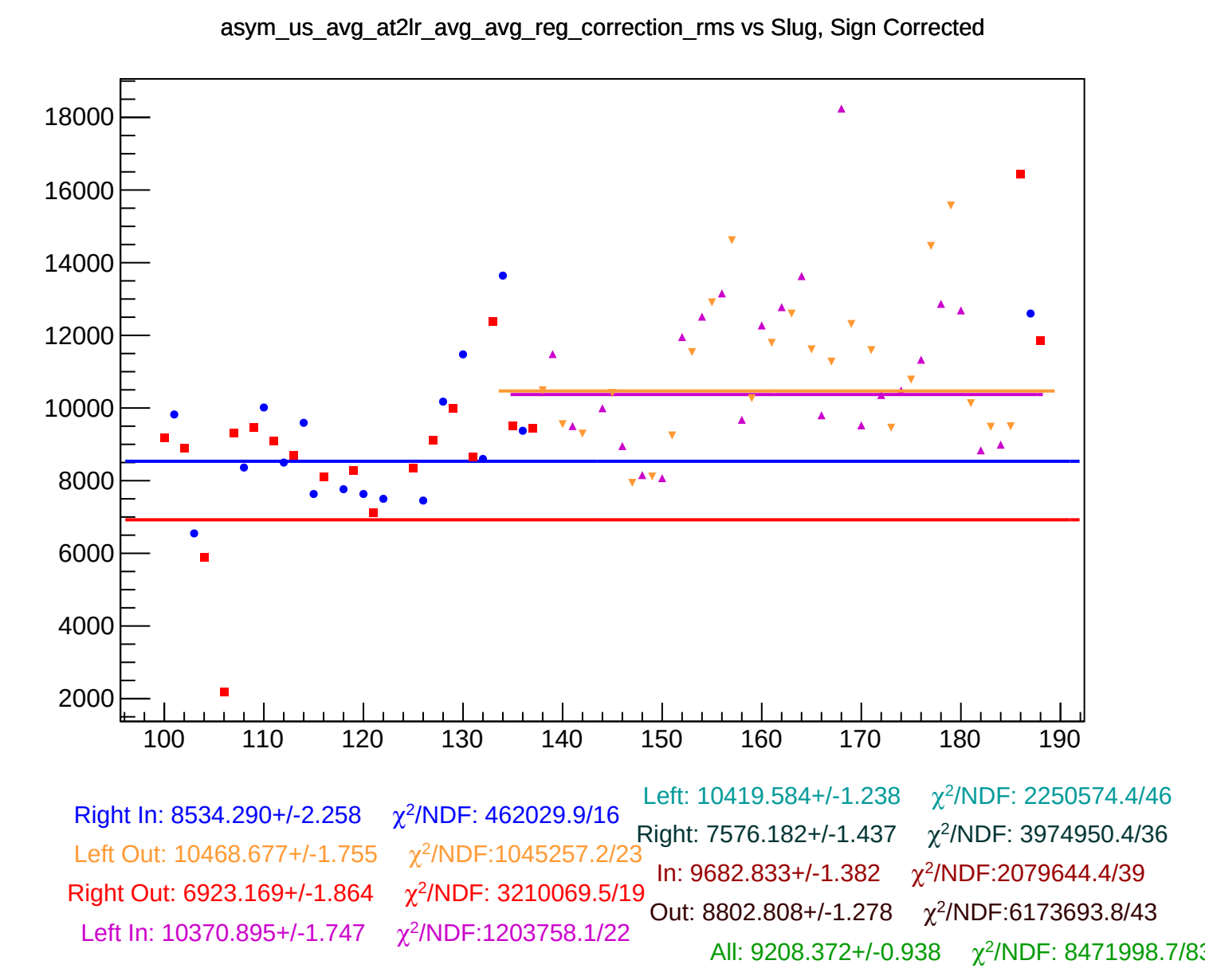
Right: 2158.469+/-0.385 χ^2/NDF: 497495.8/36

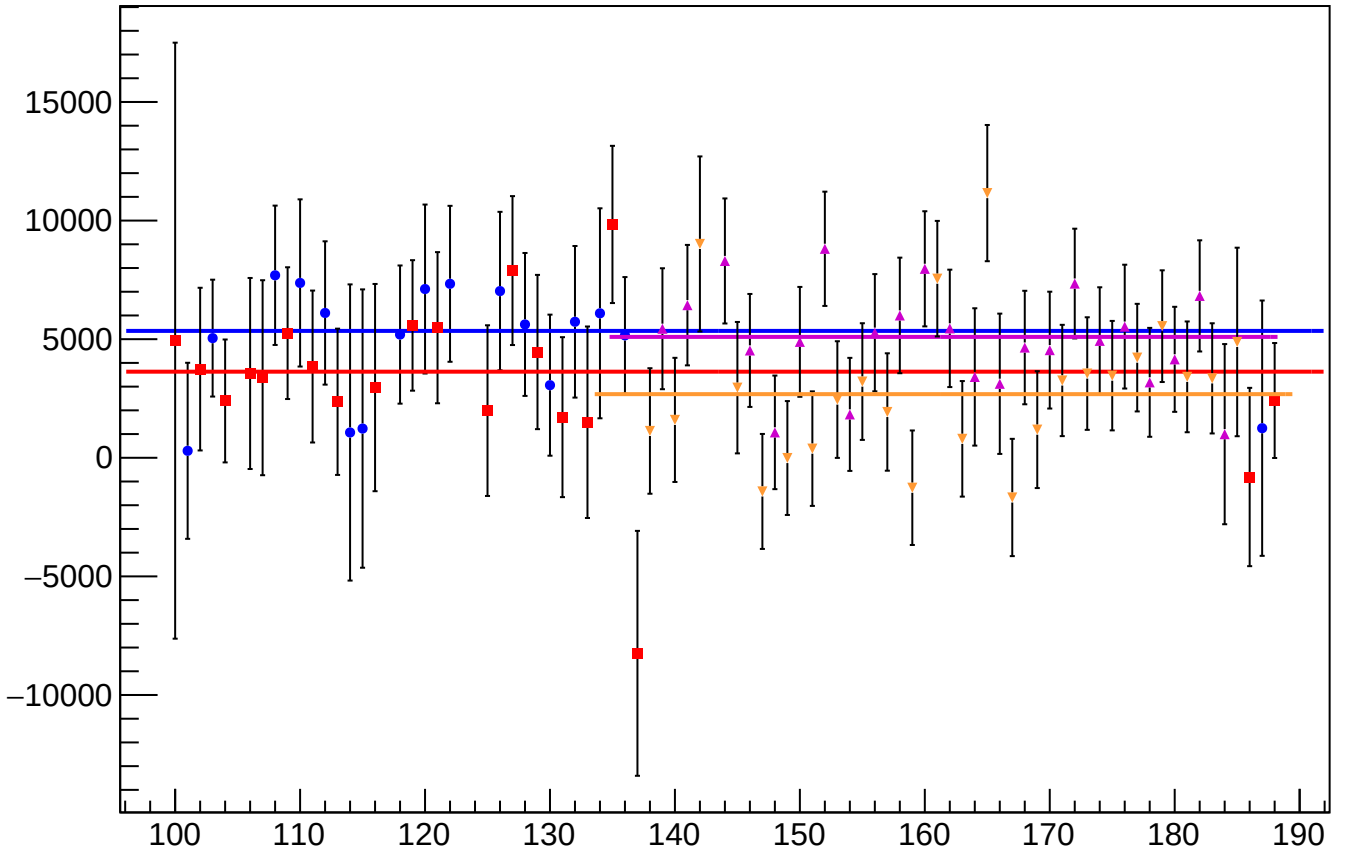
In: 2197.897+/-0.307 χ^2/NDF:281430.3/39

Out: 2184.963+/-0.298 χ^2/NDF:394901.6/43

All: 2191.234+/-0.214 χ^2/NDF: 677245.7/83


asym_us_avg_at2lr_avg_avg_reg_correction_mean vs Slug, Sign Corrected
40000
20000
0
−20000
−40000
−60000
−80000
100
110
120
130
140
150
160
170
180
190
Right In: -1770.260+/-3192.800 χ²/NDF: 15.2/16
Left Out: -833.485+/-2481.469 χ²/NDF:29.5/23
Right Out: -1064.602+/-2635.880 χ²/NDF: 24.0/19
Left In: -182.426+/-2471.223 χ²/NDF:13.8/22
Left: -506.609+/-1751.030 χ²/NDF: 43.3/46
Right: -1350.617+/-2032.679 χ²/NDF: 39.2/36
In: -777.289+/-1954.239 χ²/NDF:29.1/39
Out: -942.076+/-1806.786 χ²/NDF:53.5/43
All: -866.133+/-1326.660 χ²/NDF: 82.6/83


asym_us_avg_at2lr_avg_avg_reg_correction_rms vs Slug, Sign Corrected
18000
16000
14000
12000
10000
8000
6000
4000
2000
100
110
120
130
140
150
160
170
180
190
Right In: 8534.290+/-2.258 χ²/NDF: 462029.9/16
Left Out: 10468.677+/-1.755 χ²/NDF:1045257.2/23
Right Out: 6923.169+/-1.864 χ²/NDF: 3210069.5/19
Left In: 10370.895+/-1.747 χ²/NDF:1203758.1/22
Left: 10419.584+/-1.238 χ²/NDF: 2250574.4/46
Right: 7576.182+/-1.437 χ²/NDF: 3974950.4/36
In: 9682.833+/-1.382 χ²/NDF:2079644.4/39
Out: 8802.808+/-1.278 χ²/NDF:6173693.8/43
All: 9208.372+/-0.938 χ²/NDF: 8471998.7/83



Right In: 5349.000+/-803.429 χ^2/NDF: 6.0/16

Left Out: 2682.792+/-512.020 χ^2/NDF:30.8/23

Right Out: 3630.234+/-751.870 χ^2/NDF: 14.8/19

Left In: 5096.334+/-516.232 χ^2/NDF:14.9/22

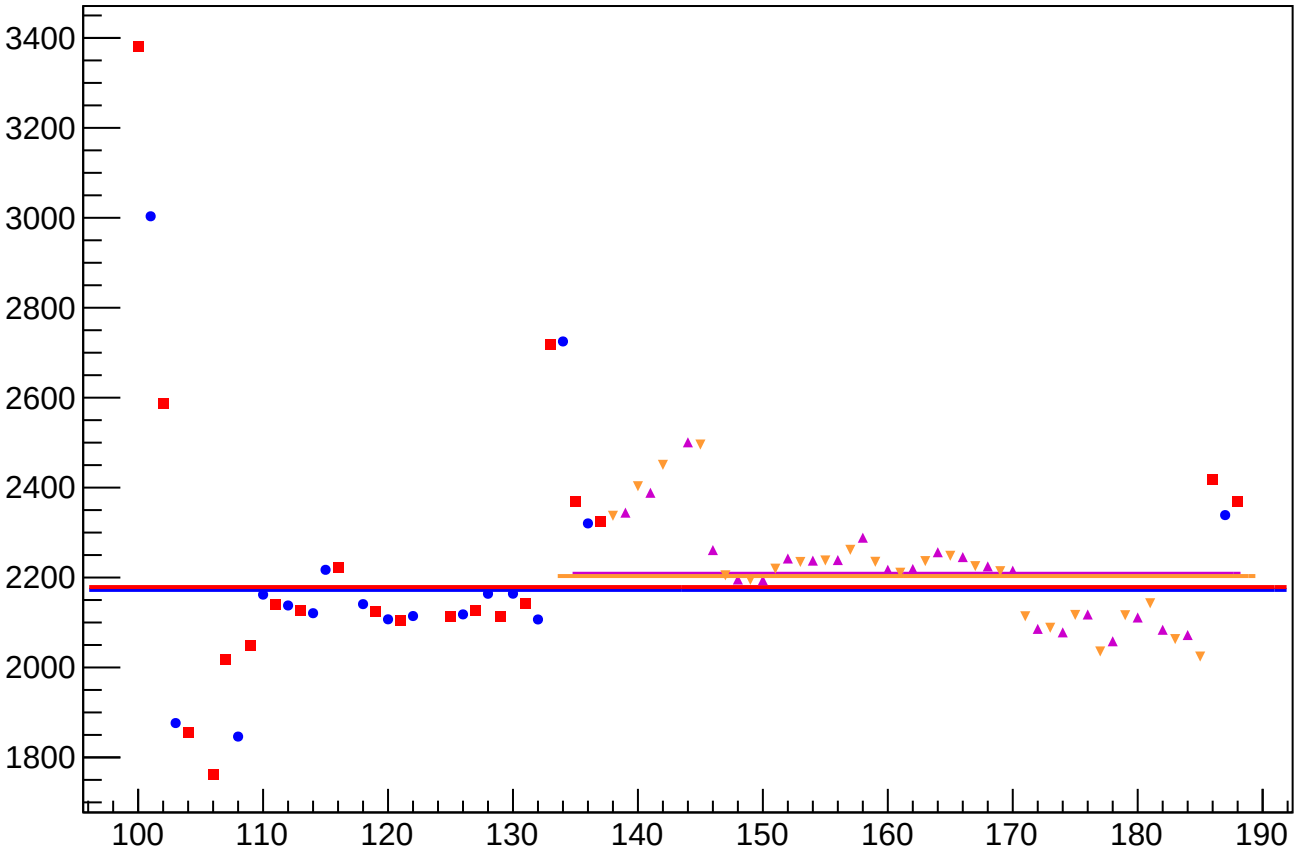
Left: 3879.677+/-363.533 χ^2/NDF: 56.8/46

Right: 4432.703+/-548.975 χ^2/NDF: 23.2/36

In: 5170.166+/-434.307 χ^2/NDF:21.0/39

Out: 2982.965+/-423.207 χ^2/NDF:46.7/43

All: 4048.259+/-303.101 χ^2/NDF: 80.7/83



Right In: 2172.507+/-0.568 χ^2/NDF: 197614.5/16

Left Out: 2203.297+/-0.362 χ^2/NDF:88208.3/23

Right Out: 2178.796+/-0.529 χ^2/NDF: 181247.1/19

Left In: 2208.379+/-0.365 χ^2/NDF:80994.3/22

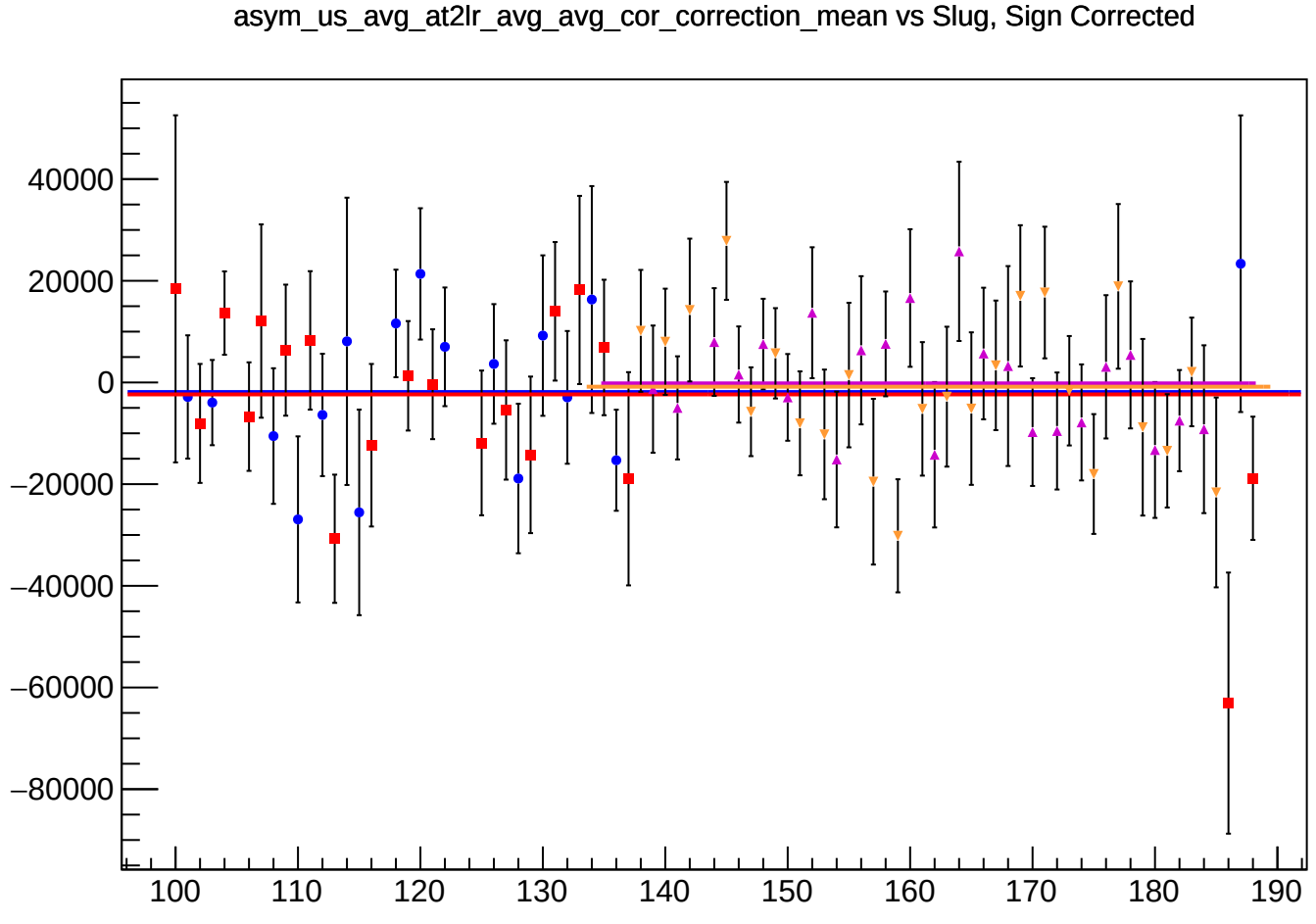
Left: 2205.817+/-0.257 χ^2/NDF: 169300.4/46

Right: 2175.873+/-0.387 χ^2/NDF: 378927.1/36

In: 2197.897+/-0.307 χ^2/NDF:281430.7/39

Out: 2195.488+/-0.299 χ^2/NDF:270914.8/43

All: 2196.660+/-0.214 χ^2/NDF: 552377.1/83



Right In: -1883.986+/-3189.296 χ^2/NDF: 15.2/16

Left Out: -833.458+/-2481.469 χ^2/NDF:29.5/23

Right Out: -2343.746+/-2982.929 χ^2/NDF: 24.1/19

Left In: -182.360+/-2471.221 χ^2/NDF:13.8/22

Left: -506.562+/-1751.029 χ^2/NDF: 43.3/46

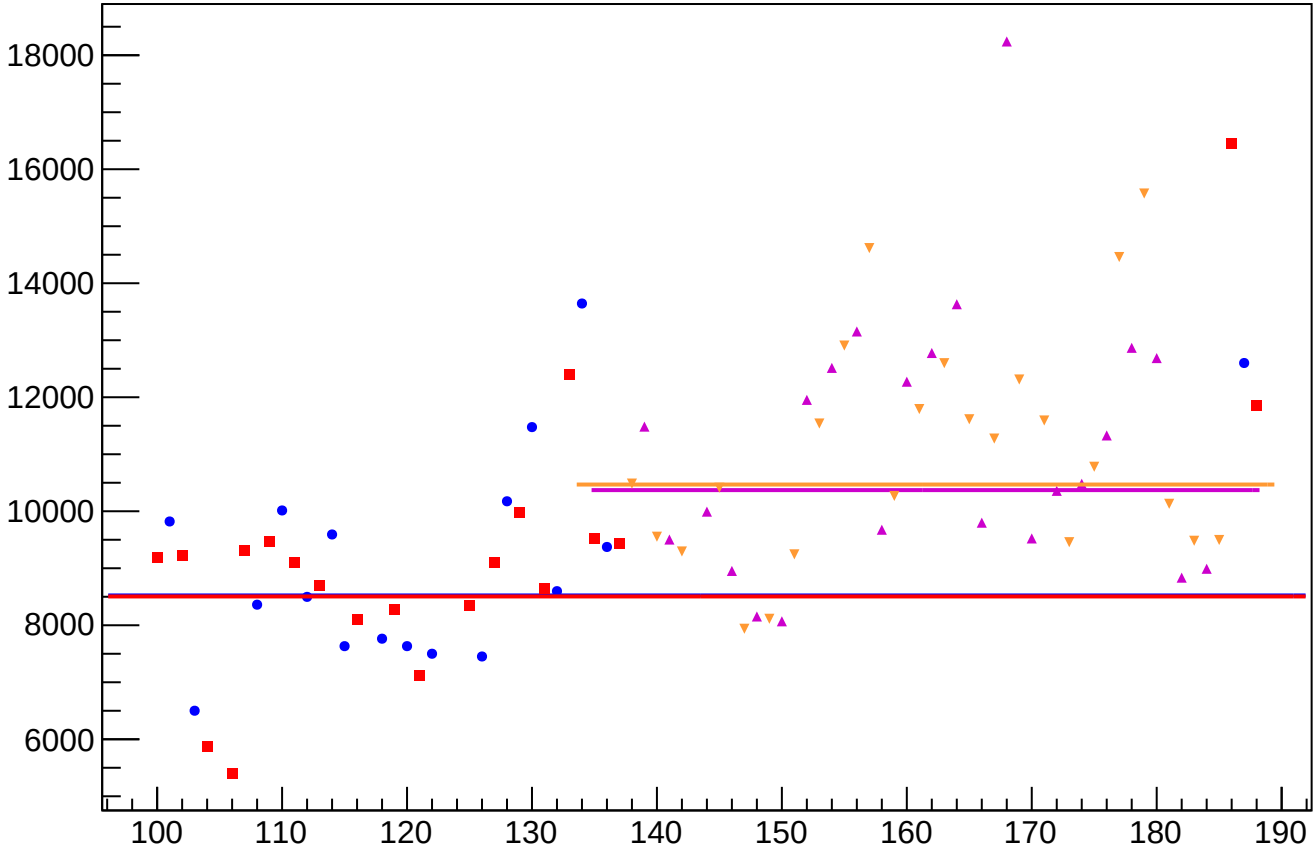
Right: -2129.221+/-2178.554 χ^2/NDF: 39.4/36

In: -820.729+/-1953.434 χ^2/NDF:29.1/39

Out: -1451.162+/-1907.671 χ^2/NDF:53.8/43

All: -1143.417+/-1364.819 χ^2/NDF: 83.0/83

asym_us_avg_at2lr_avg_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 8523.060+/-2.255 χ^2/NDF: 469088.4/16

Left Out: 10468.676+/-1.755 χ^2/NDF:1045258.5/23

Right Out: 8505.350+/-2.109 χ^2/NDF: 907920.3/19

Left In: 10370.886+/-1.747 χ^2/NDF:1203763.9/22

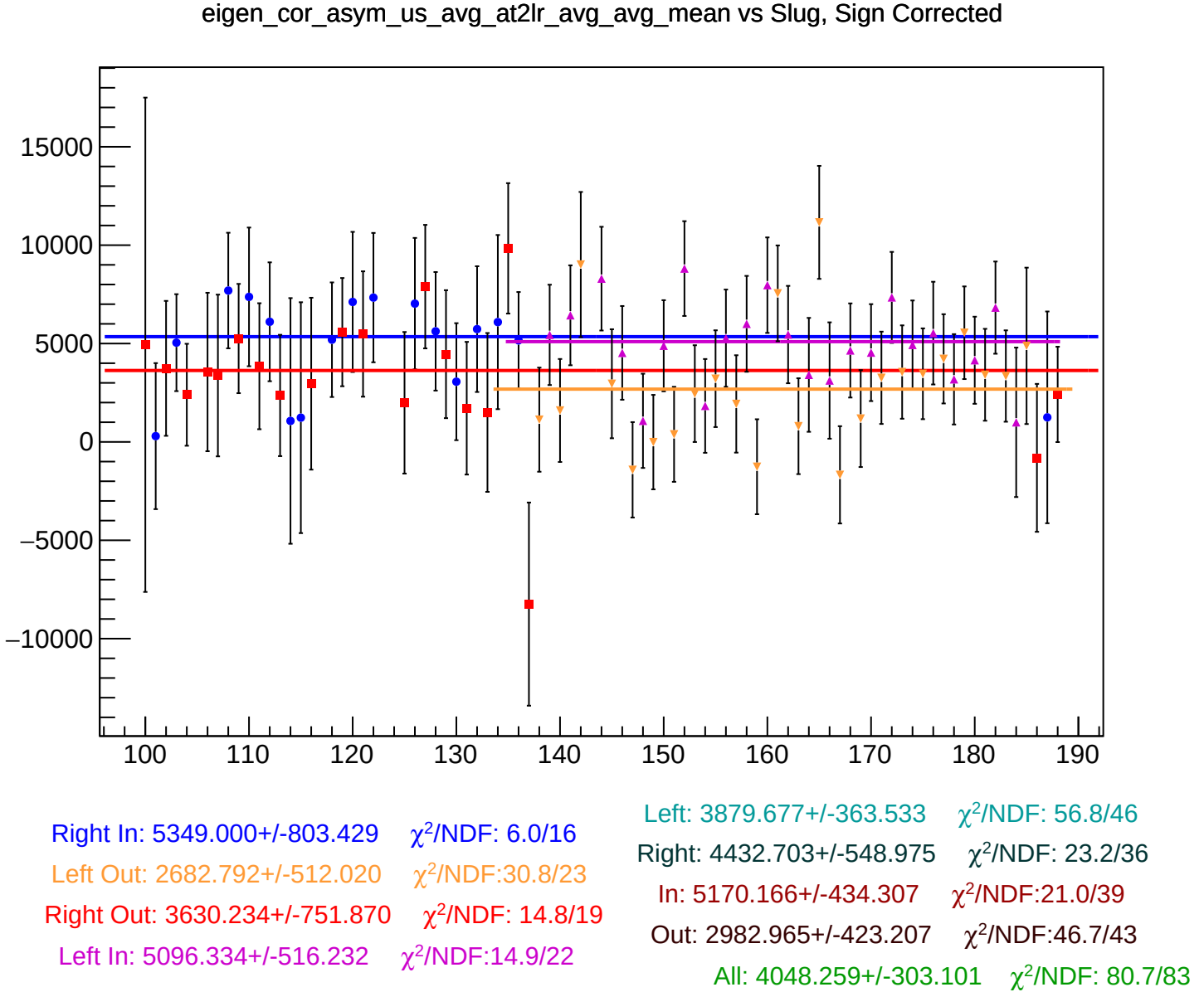
Left: 10419.579+/-1.238 χ^2/NDF: 2250581.8/46

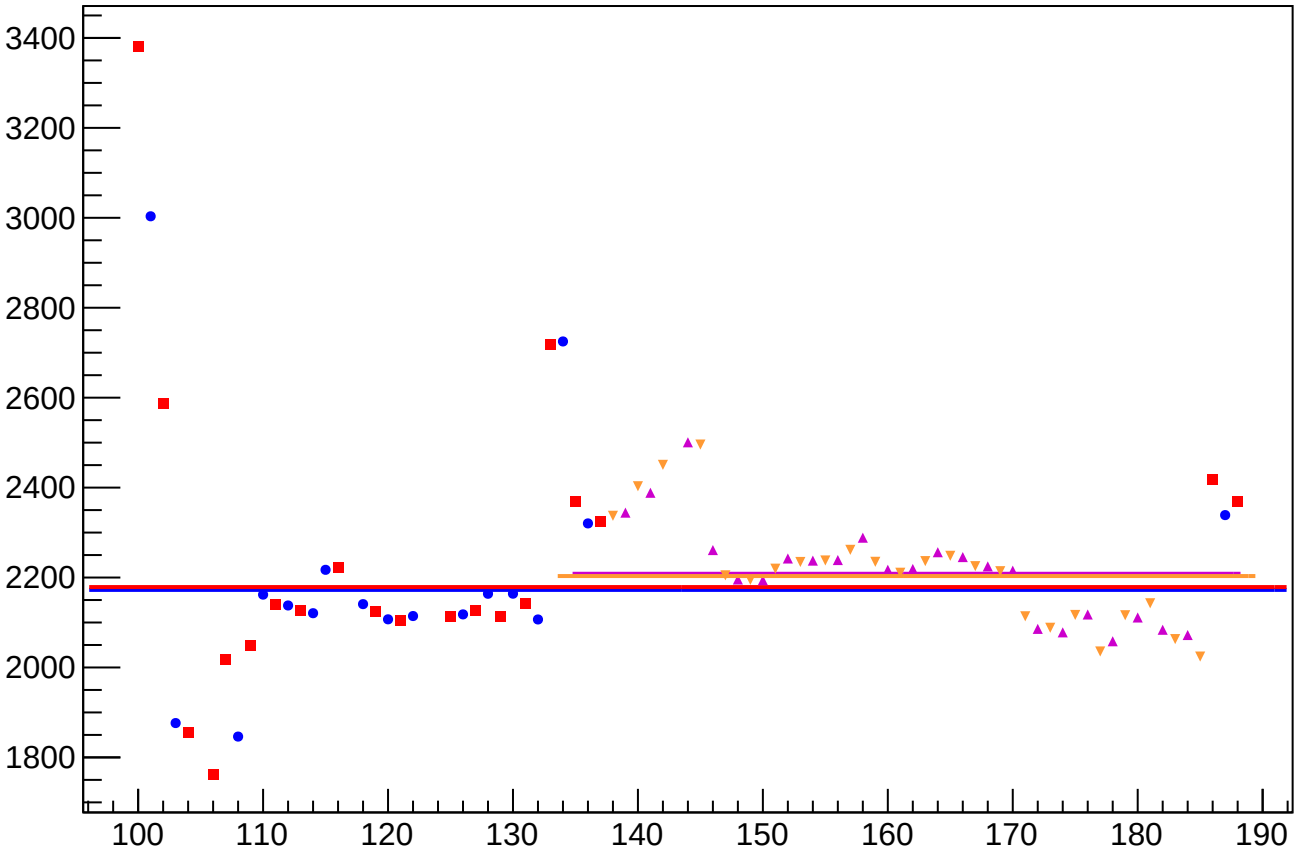
Right: 8513.613+/-1.540 χ^2/NDF: 1377041.6/36

In: 9677.669+/-1.381 χ^2/NDF:2092357.0/39

Out: 9665.680+/-1.349 χ^2/NDF:2465235.6/43

All: 9671.533+/-0.965 χ^2/NDF: 4557631.2/83


eigen_cor_asym_us_avg_at2lr_avg_avg_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
180
190
Right In: 5349.000+/-803.429 χ²/NDF: 6.0/16
Left Out: 2682.792+/-512.020 χ²/NDF:30.8/23
Right Out: 3630.234+/-751.870 χ²/NDF: 14.8/19
Left In: 5096.334+/-516.232 χ²/NDF:14.9/22
Left: 3879.677+/-363.533 χ²/NDF: 56.8/46
Right: 4432.703+/-548.975 χ²/NDF: 23.2/36
In: 5170.166+/-434.307 χ²/NDF:21.0/39
Out: 2982.965+/-423.207 χ²/NDF:46.7/43
All: 4048.259+/-303.101 χ²/NDF: 80.7/83



Right In: 2172.507+/-0.568 χ^2/NDF: 197614.5/16

Left Out: 2203.297+/-0.362 χ^2/NDF:88208.3/23

Right Out: 2178.796+/-0.529 χ^2/NDF: 181247.1/19

Left In: 2208.379+/-0.365 χ^2/NDF:80994.3/22

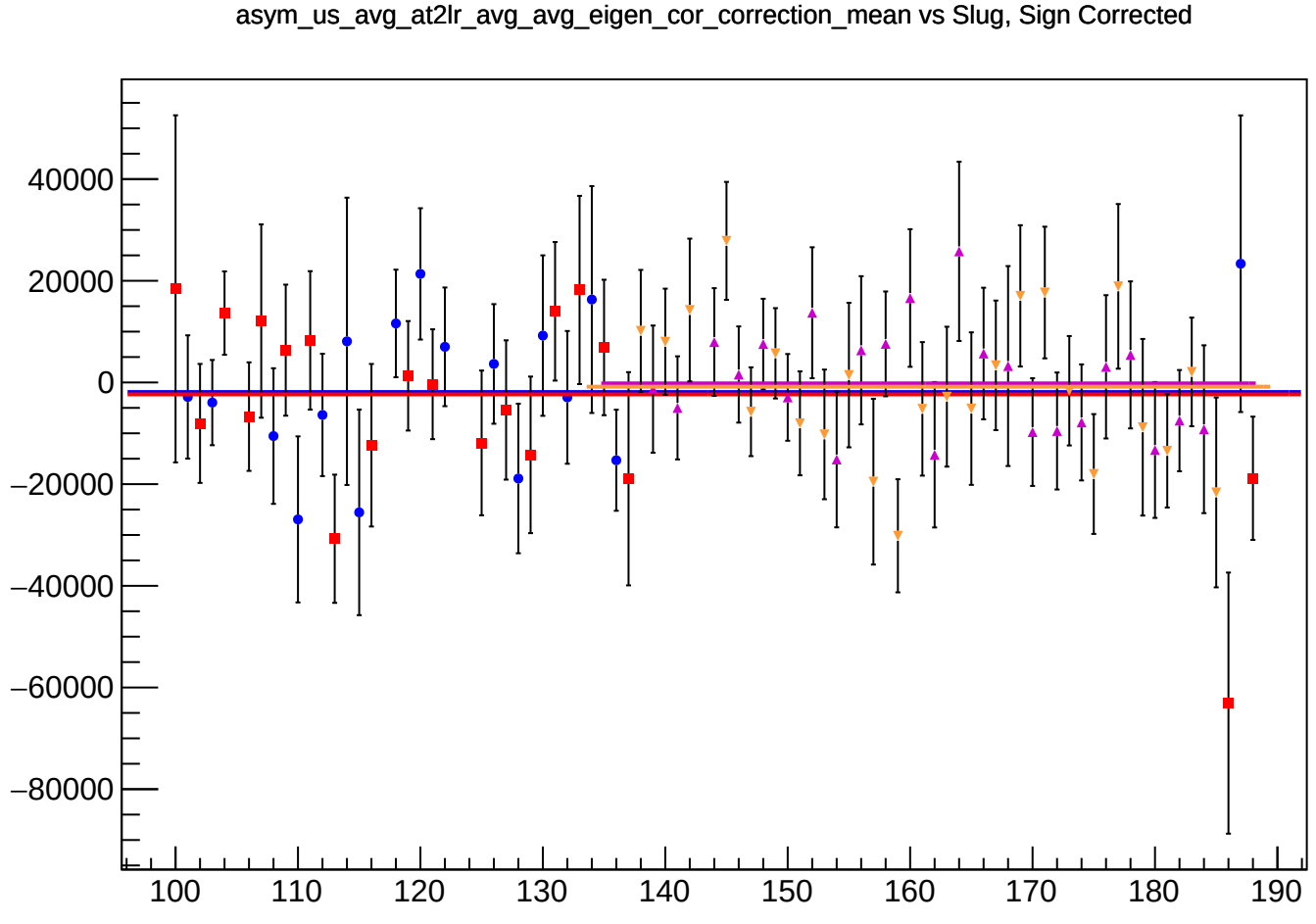
Left: 2205.817+/-0.257 χ^2/NDF: 169300.4/46

Right: 2175.873+/-0.387 χ^2/NDF: 378927.1/36

In: 2197.897+/-0.307 χ^2/NDF:281430.7/39

Out: 2195.488+/-0.299 χ^2/NDF:270914.8/43

All: 2196.660+/-0.214 χ^2/NDF: 552377.1/83



Right In: -1883.986+/-3189.296 χ^2/NDF: 15.2/16

Left Out: -833.458+/-2481.469 χ^2/NDF:29.5/23

Right Out: -2343.746+/-2982.929 χ^2/NDF: 24.1/19

Left In: -182.360+/-2471.221 χ^2/NDF:13.8/22

Left: -506.562+/-1751.029 χ^2/NDF: 43.3/46

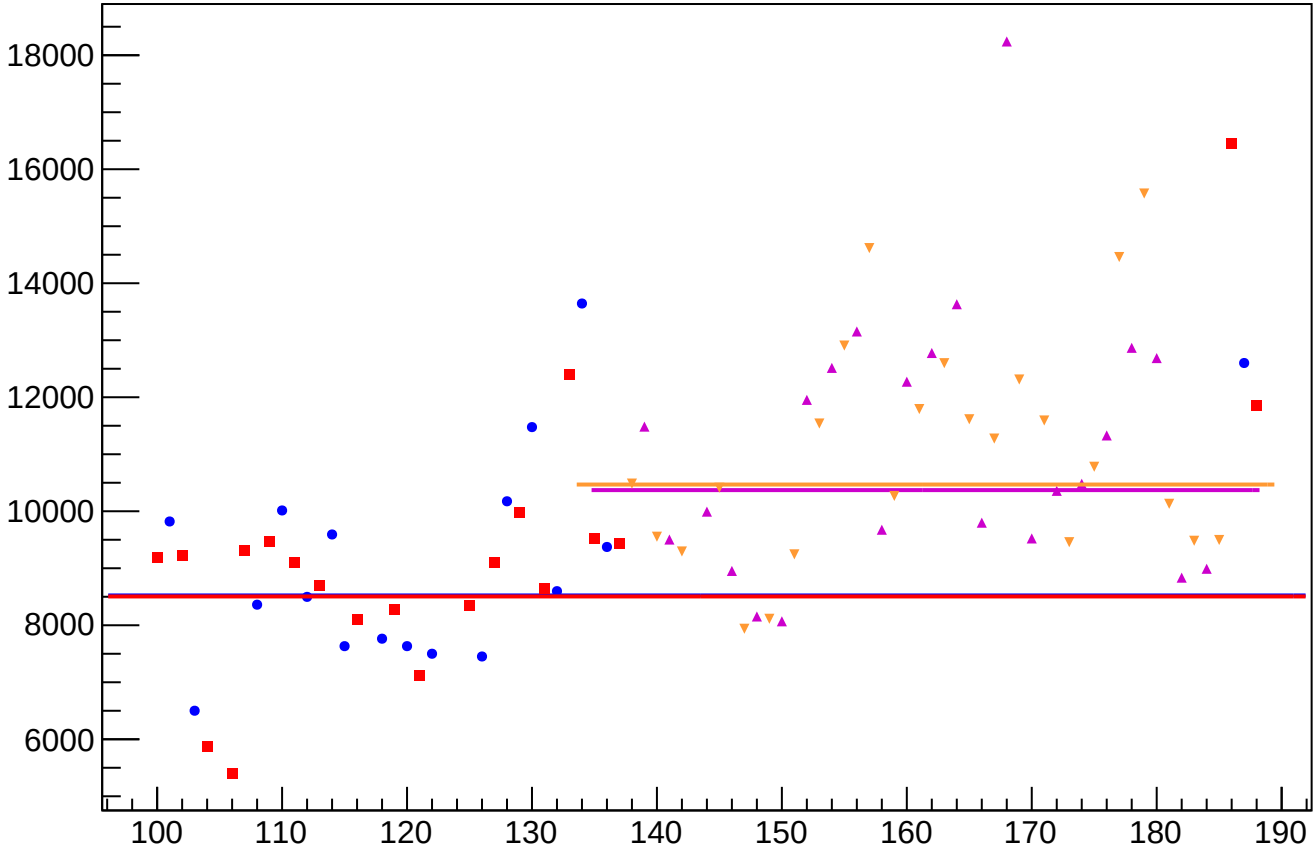
Right: -2129.221+/-2178.554 χ^2/NDF: 39.4/36

In: -820.729+/-1953.434 χ^2/NDF:29.1/39

Out: -1451.162+/-1907.671 χ^2/NDF:53.8/43

All: -1143.417+/-1364.819 χ^2/NDF: 83.0/83

asym_us_avg_at2lr_avg_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 8523.060+/-2.255 χ^2/NDF: 469088.4/16

Left Out: 10468.676+/-1.755 χ^2/NDF:1045258.5/23

Right Out: 8505.350+/-2.109 χ^2/NDF: 907920.3/19

Left In: 10370.886+/-1.747 χ^2/NDF:1203763.9/22

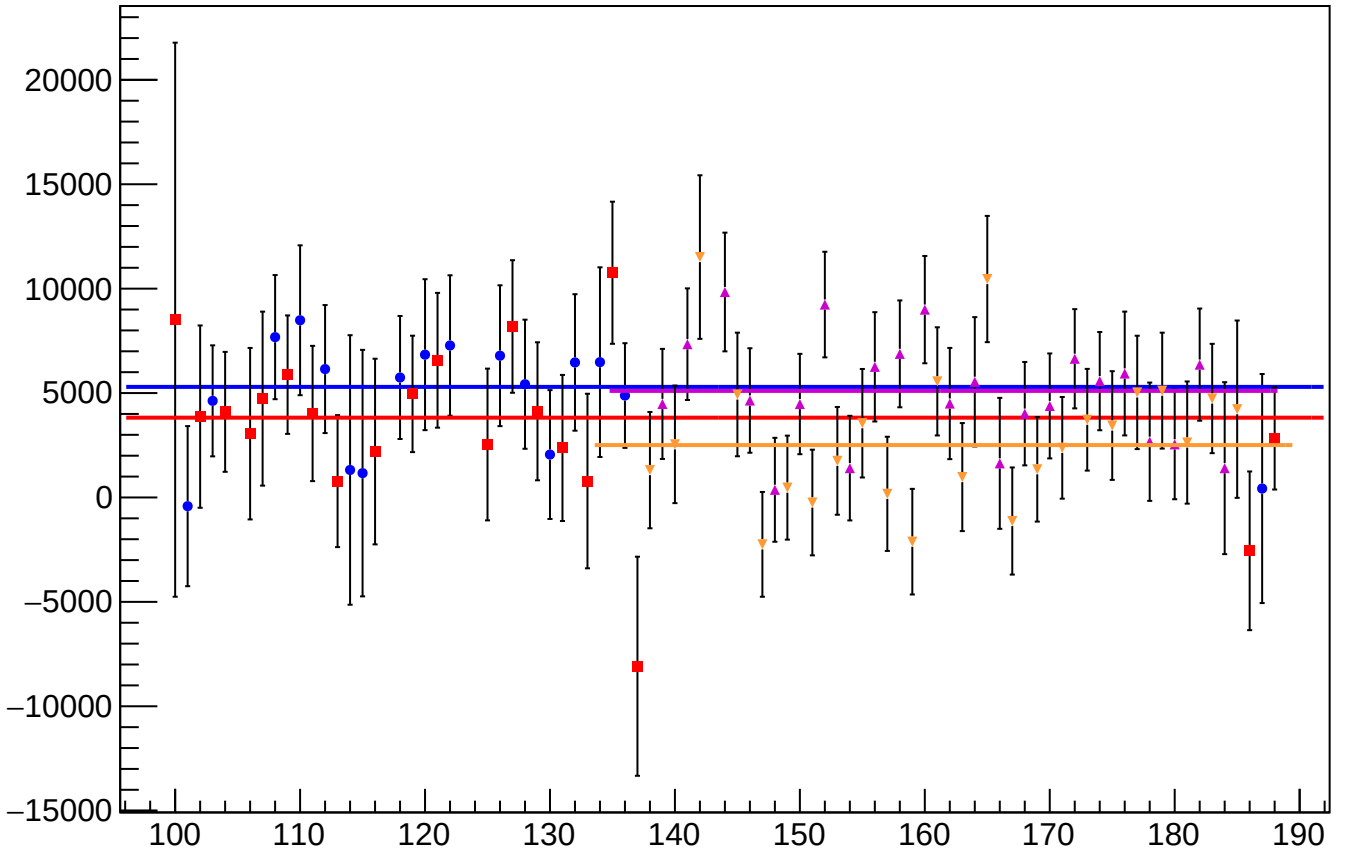
Left: 10419.579+/-1.238 χ^2/NDF: 2250581.8/46

Right: 8513.613+/-1.540 χ^2/NDF: 1377041.6/36

In: 9677.669+/-1.381 χ^2/NDF:2092357.0/39

Out: 9665.680+/-1.349 χ^2/NDF:2465235.6/43

All: 9671.533+/-0.965 χ^2/NDF: 4557631.2/83



Right In: 5295.419+/-824.223 χ^2/NDF: 7.5/16

Left Out: 2508.976+/-551.601 χ^2/NDF:29.8/23

Right Out: 3821.311+/-777.063 χ^2/NDF: 17.7/19

Left In: 5102.993+/-552.583 χ^2/NDF:19.9/22

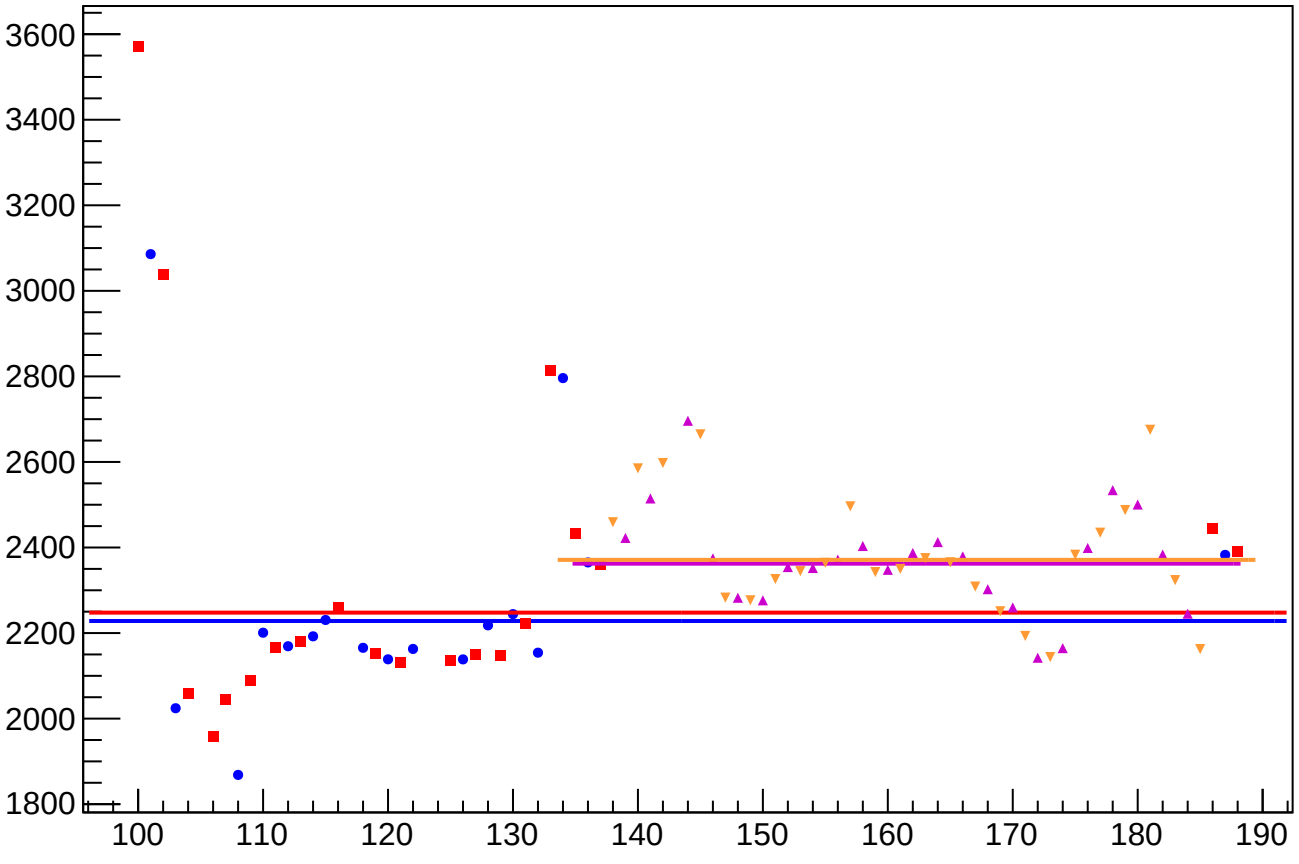
Left: 3803.678+/-390.387 χ^2/NDF: 60.7/46

Right: 4514.987+/-565.404 χ^2/NDF: 26.9/36

In: 5162.663+/-458.978 χ^2/NDF:27.5/39

Out: 2948.685+/-449.797 χ^2/NDF:49.4/43

All: 4033.309+/-321.251 χ^2/NDF: 88.7/83



Right In: 2228.185+/-0.583 χ^2/NDF: 186305.0/16

Left Out: 2371.137+/-0.390 χ^2/NDF:116296.5/23

Right Out: 2247.794+/-0.549 χ^2/NDF: 184074.7/19

Left In: 2362.218+/-0.391 χ^2/NDF:91896.7/22

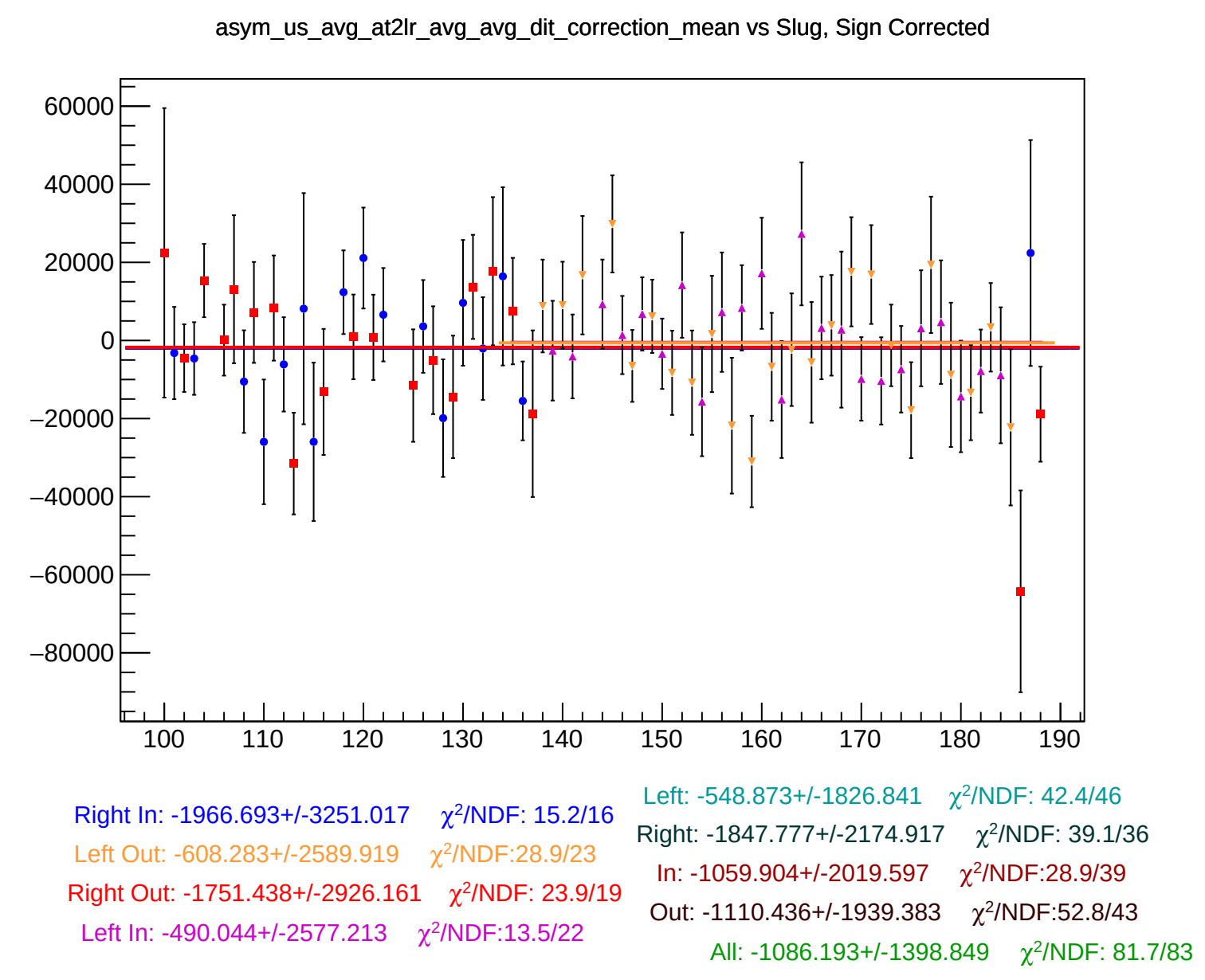
Left: 2366.685+/-0.276 χ^2/NDF: 208454.2/46

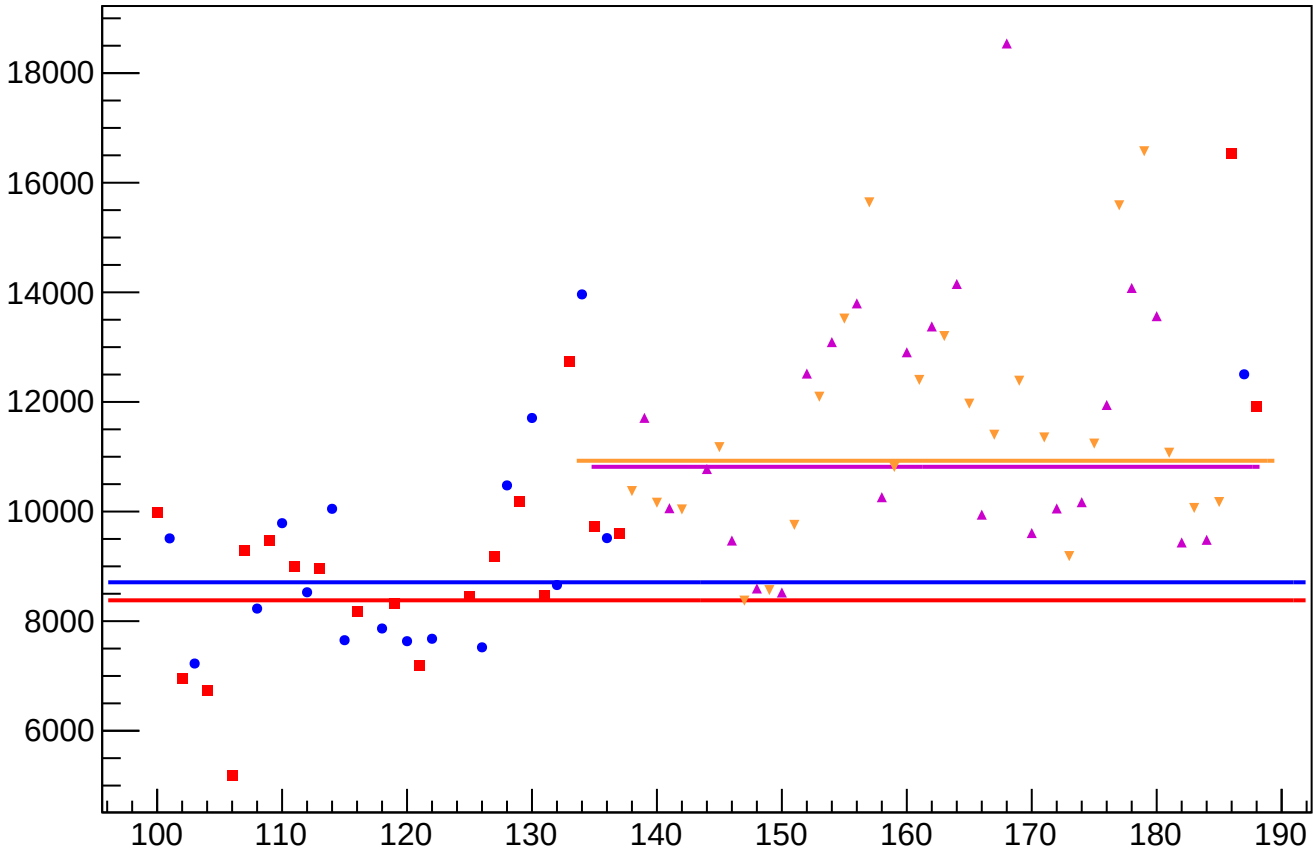
Right: 2238.572+/-0.400 χ^2/NDF: 370979.3/36

In: 2320.655+/-0.325 χ^2/NDF:314690.1/39

Out: 2329.780+/-0.318 χ^2/NDF:333901.3/43

All: 2325.311+/-0.227 χ^2/NDF: 648994.8/83


asym_us_avg_at2lr_avg_avg_dit_correction_mean vs Slug, Sign Corrected
60000
40000
20000
0
−20000
−40000
−60000
−80000
100
110
120
130
140
150
160
170
180
190
Right In: -1966.693+/-3251.017 χ²/NDF: 15.2/16
Left Out: -608.283+/-2589.919 χ²/NDF:28.9/23
Right Out: -1751.438+/-2926.161 χ²/NDF: 23.9/19
Left In: -490.044+/-2577.213 χ²/NDF:13.5/22
Left: -548.873+/-1826.841 χ²/NDF: 42.4/46
Right: -1847.777+/-2174.917 χ²/NDF: 39.1/36
In: -1059.904+/-2019.597 χ²/NDF:28.9/39
Out: -1110.436+/-1939.383 χ²/NDF:52.8/43
All: -1086.193+/-1398.849 χ²/NDF: 81.7/83



Right In: 8709.292+/-2.299 χ^2/NDF: 392835.1/16

Left Out: 10926.860+/-1.831 χ^2/NDF:1057331.1/23

Right Out: 8380.191+/-2.069 χ^2/NDF: 951035.8/19

Left In: 10816.320+/-1.822 χ^2/NDF:1196820.9/22

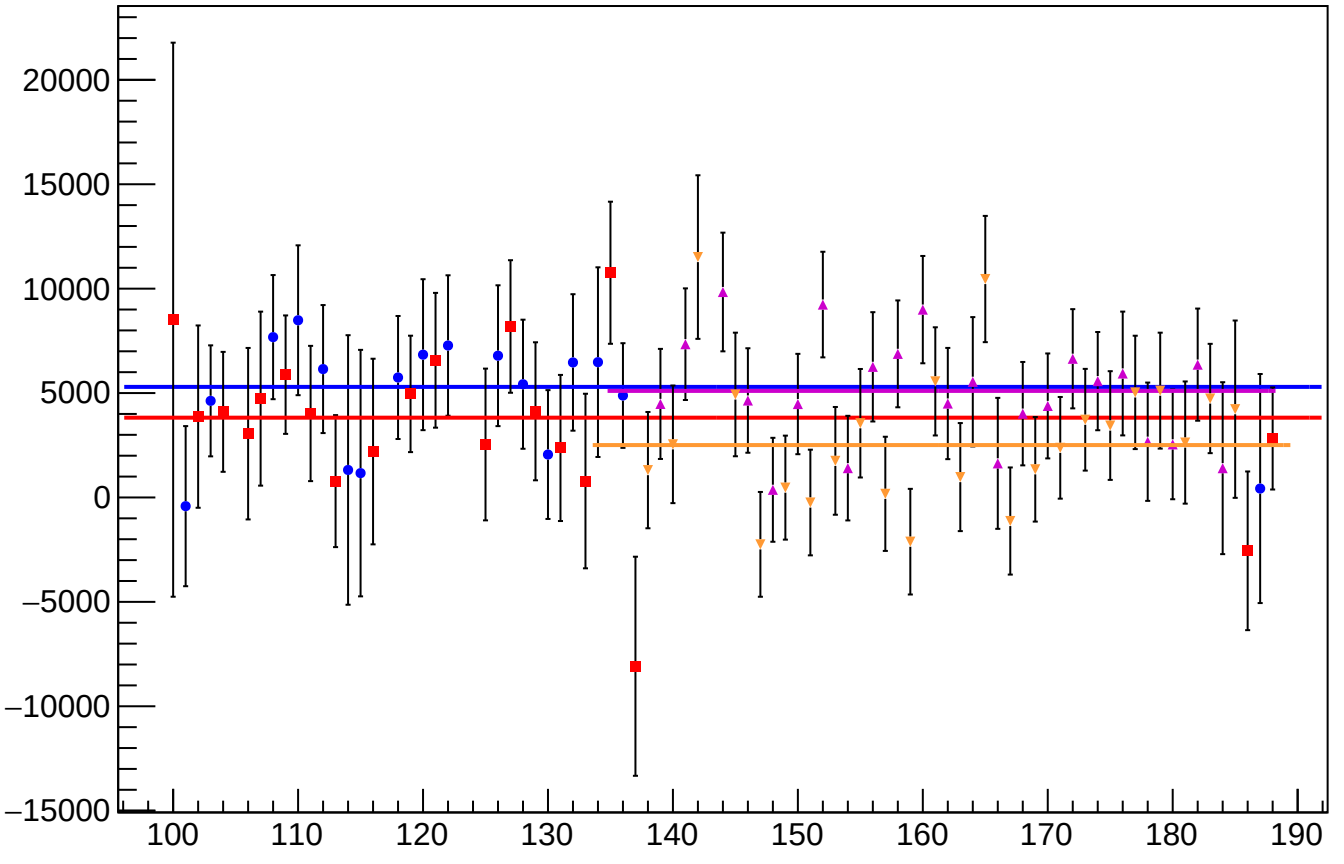
Left: 10871.318+/-1.292 χ^2/NDF: 2255982.7/46

Right: 8527.481+/-1.538 χ^2/NDF: 1355193.3/36

In: 10003.187+/-1.428 χ^2/NDF:2105550.8/39

Out: 9808.187+/-1.371 χ^2/NDF:2857808.1/43

All: 9901.738+/-0.989 χ^2/NDF: 4973059.2/83



Right In: 5295.421+/-824.223 χ^2/NDF: 7.5/16

Left Out: 2508.963+/-551.602 χ^2/NDF:29.8/23

Right Out: 3821.315+/-777.062 χ^2/NDF: 17.7/19

Left In: 5102.996+/-552.584 χ^2/NDF:19.9/22

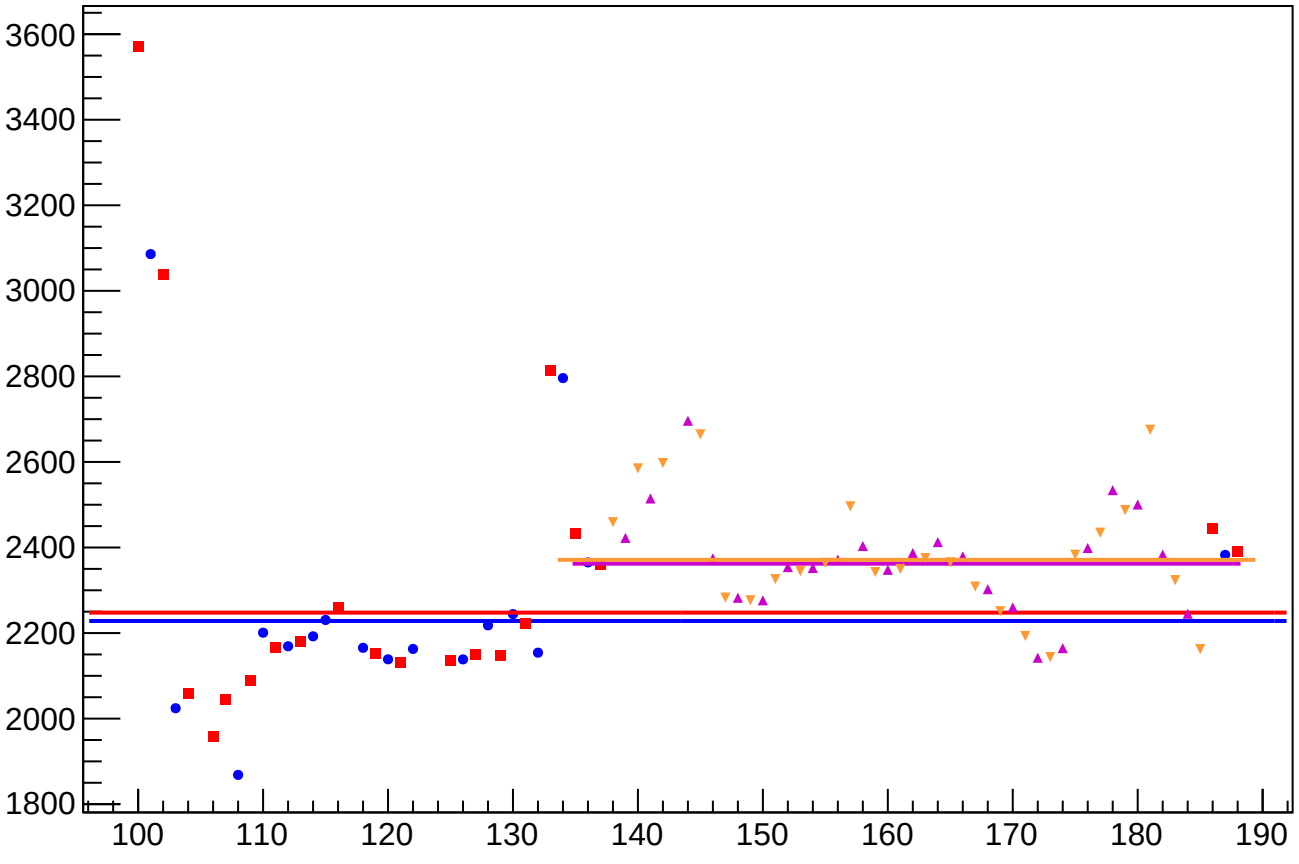
Left: 3803.673+/-390.388 χ^2/NDF: 60.7/46

Right: 4514.991+/-565.404 χ^2/NDF: 26.9/36

In: 5162.666+/-458.979 χ^2/NDF:27.5/39

Out: 2948.679+/-449.797 χ^2/NDF:49.4/43

All: 4033.307+/-321.252 χ^2/NDF: 88.7/83



Right In: 2228.184+/-0.583 χ^2/NDF: 186305.3/16

Left Out: 2371.140+/-0.390 χ^2/NDF:116300.8/23

Right Out: 2247.793+/-0.549 χ^2/NDF: 184074.7/19

Left In: 2362.221+/-0.391 χ^2/NDF:91901.3/22

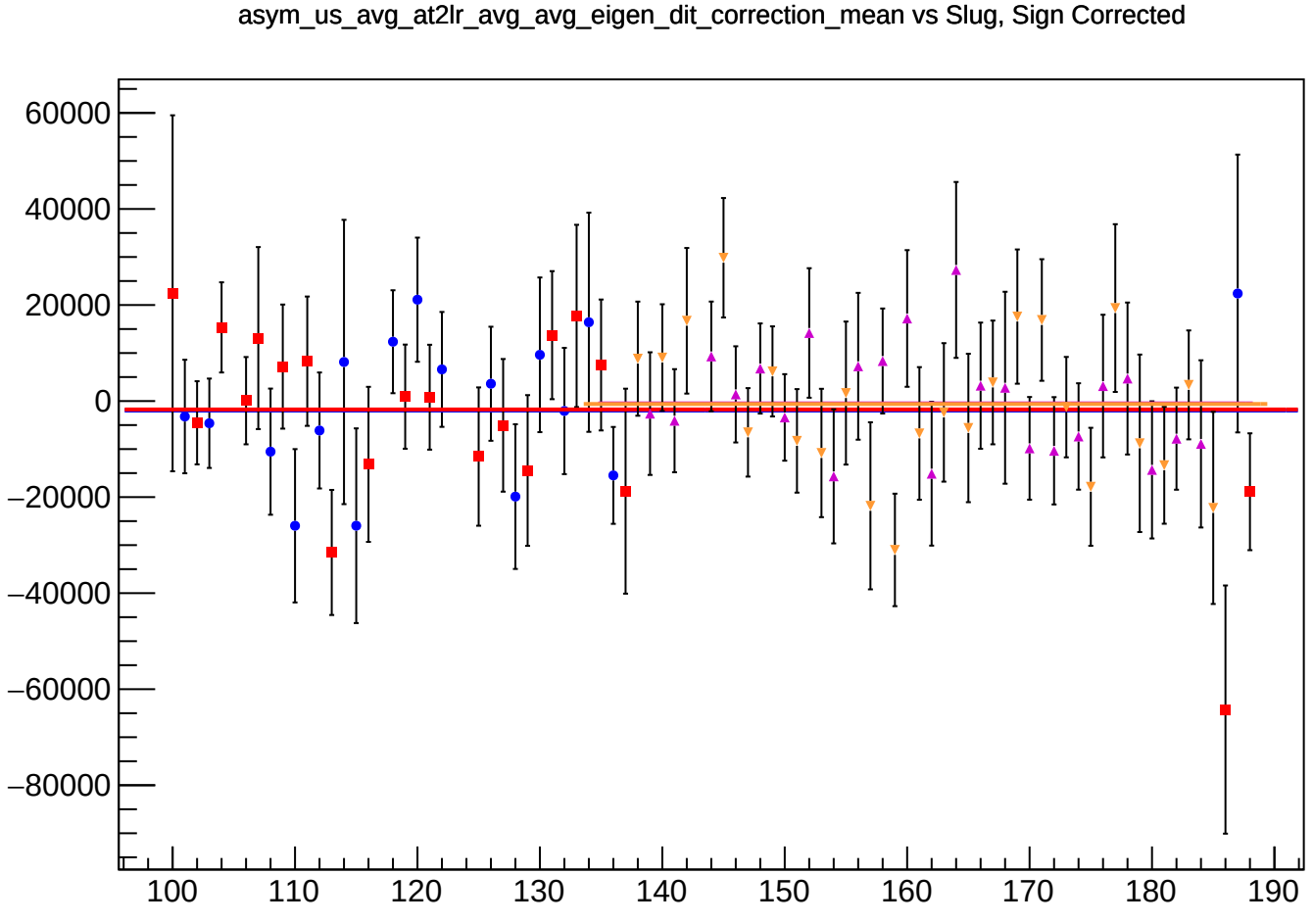
Left: 2366.689+/-0.276 χ^2/NDF: 208463.0/46

Right: 2238.571+/-0.400 χ^2/NDF: 370979.5/36

In: 2320.657+/-0.325 χ^2/NDF:314697.1/39

Out: 2329.782+/-0.318 χ^2/NDF:333907.7/43

All: 2325.313+/-0.227 χ^2/NDF: 649008.2/83



Right In: -1966.672+/-3251.010 χ^2/NDF: 15.2/16

Left Out: -608.291+/-2589.924 χ^2/NDF:28.9/23

Right Out: -1751.425+/-2926.155 χ^2/NDF: 23.9/19

Left In: -490.047+/-2577.218 χ^2/NDF:13.5/22

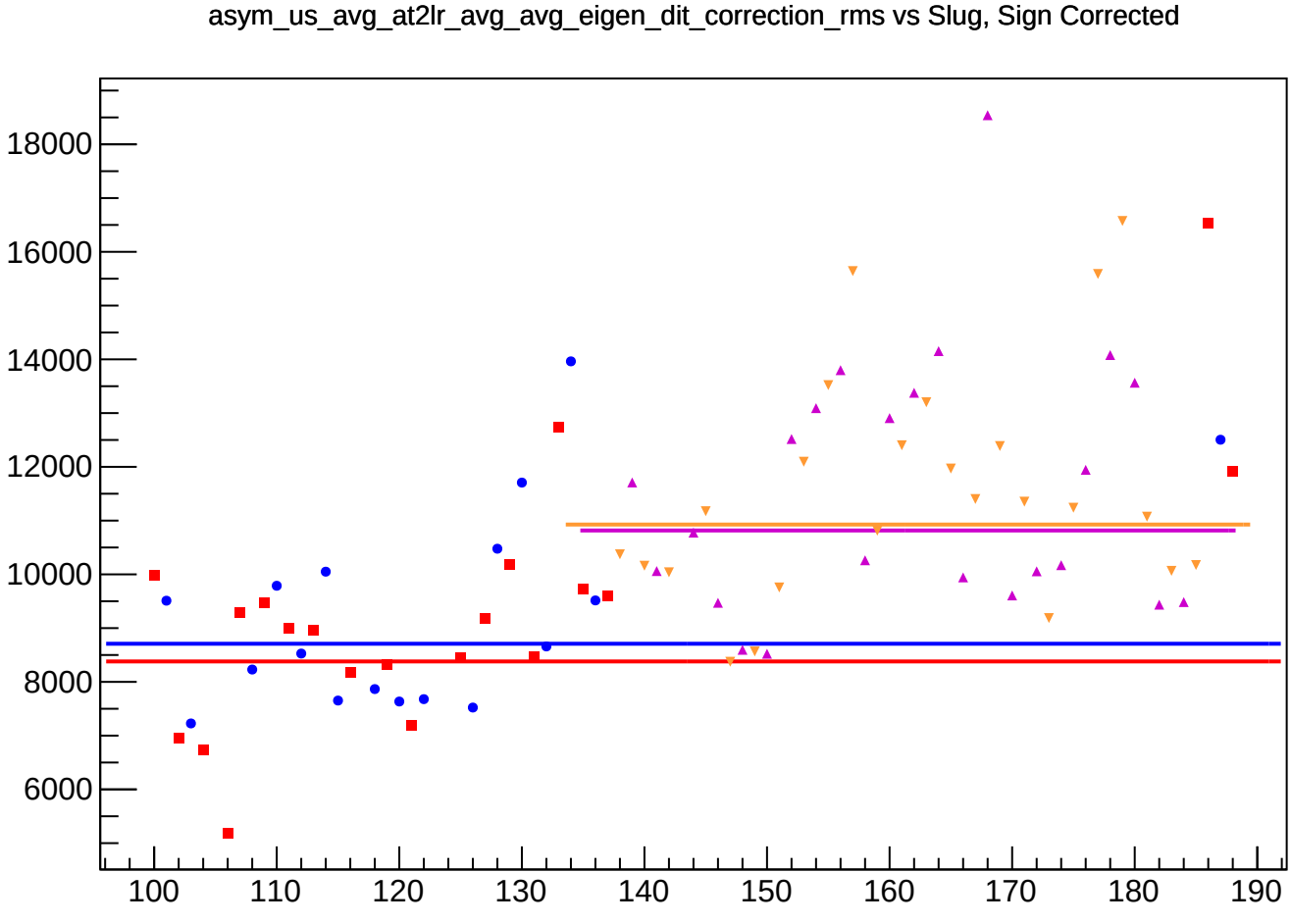
Left: -548.878+/-1826.844 χ^2/NDF: 42.4/46

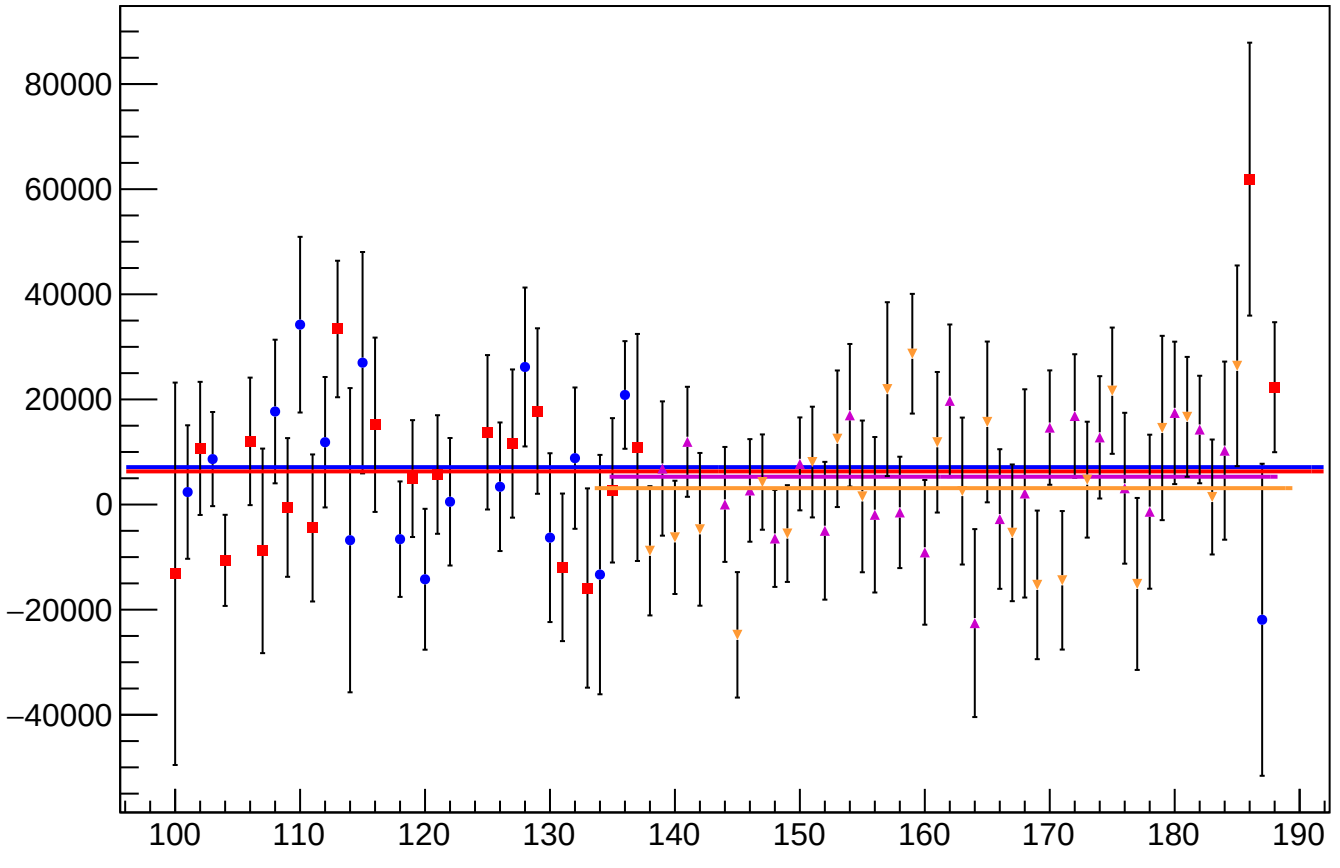
Right: -1847.760+/-2174.912 χ^2/NDF: 39.1/36

In: -1059.901+/-2019.598 χ^2/NDF:28.9/39

Out: -1110.436+/-1939.383 χ^2/NDF:52.8/43

All: -1086.192+/-1398.849 χ^2/NDF: 81.7/83


asym_us_avg_at2lr_avg_avg_eigen_dit_correction_rms vs Slug, Sign Corrected
18000
16000
14000
12000
10000
8000
6000
100
110
120
130
140
150
160
170
180
190
Right In: 8709.271+/-2.299 χ²/NDF: 392837.9/16
Left Out: 10926.878+/-1.831 χ²/NDF:1057333.6/23
Right Out: 8380.173+/-2.069 χ²/NDF: 951037.7/19
Left In: 10816.337+/-1.822 χ²/NDF:1196824.5/22
Left: 10871.336+/-1.292 χ²/NDF: 2255988.7/46
Right: 8527.462+/-1.538 χ²/NDF: 1355197.8/36
In: 10003.186+/-1.428 χ²/NDF:2105576.5/39
Out: 9808.185+/-1.371 χ²/NDF:2857836.6/43
All: 9901.736+/-0.989 χ²/NDF: 4973113.5/83



Right In: 7116.078+/-3310.138 χ^2/NDF: 15.0/16

Left Out: 3119.161+/-2542.855 χ^2/NDF:27.4/23

Right Out: 6306.680+/-3113.948 χ^2/NDF: 20.9/19

Left In: 5290.718+/-2532.995 χ^2/NDF:13.3/22

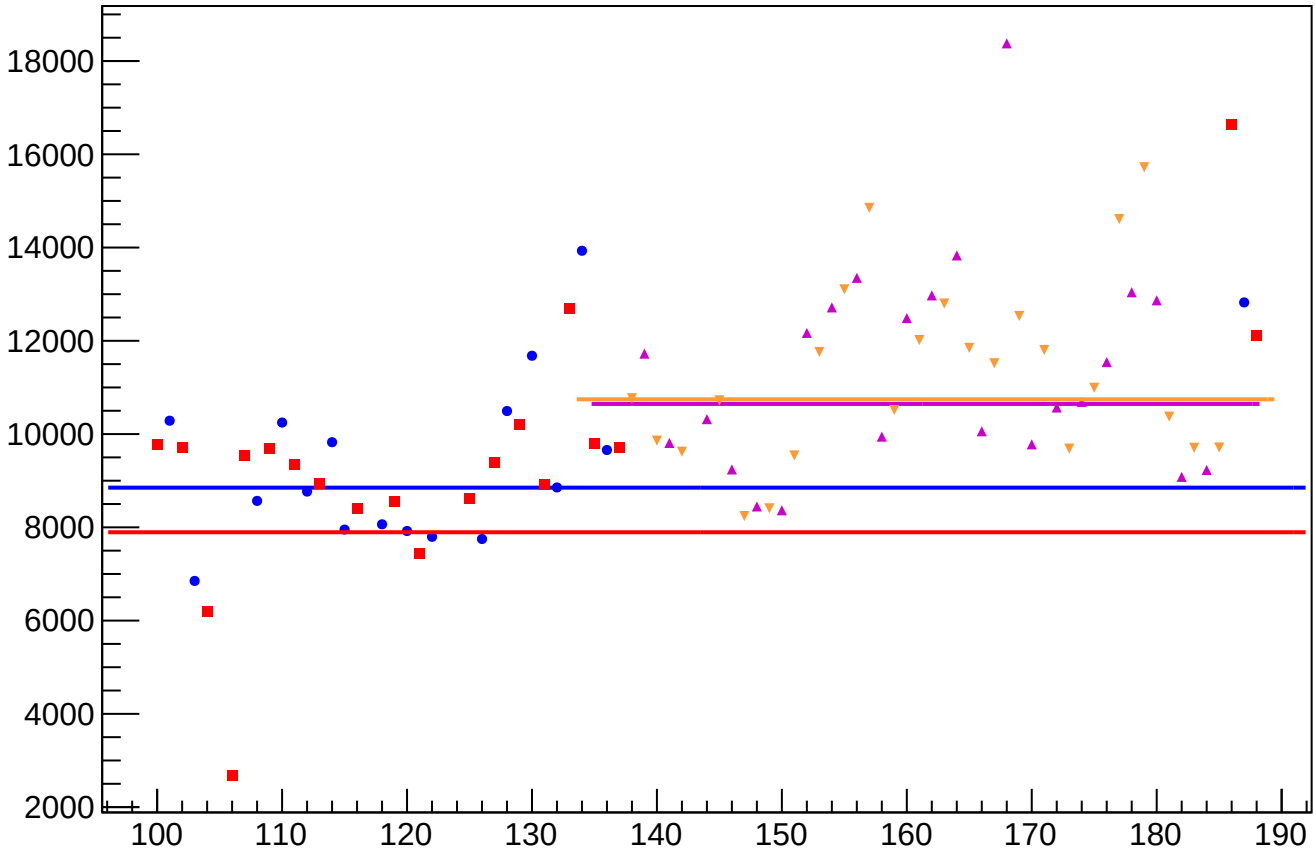
Left: 4209.158+/-1794.574 χ^2/NDF: 41.1/46

Right: 6686.683+/-2268.082 χ^2/NDF: 36.0/36

In: 5964.843+/-2011.602 χ^2/NDF:28.5/39

Out: 4394.366+/-1969.586 χ^2/NDF:49.0/43

All: 5163.032+/-1407.327 χ^2/NDF: 77.8/83



Right In: 8851.094+/-2.341 χ^2/NDF: 430841.5/16

Left Out: 10745.331+/-1.798 χ^2/NDF:964618.1/23

Right Out: 7894.660+/-2.055 χ^2/NDF: 2145309.6/19

Left In: 10646.477+/-1.791 χ^2/NDF:1114064.0/22

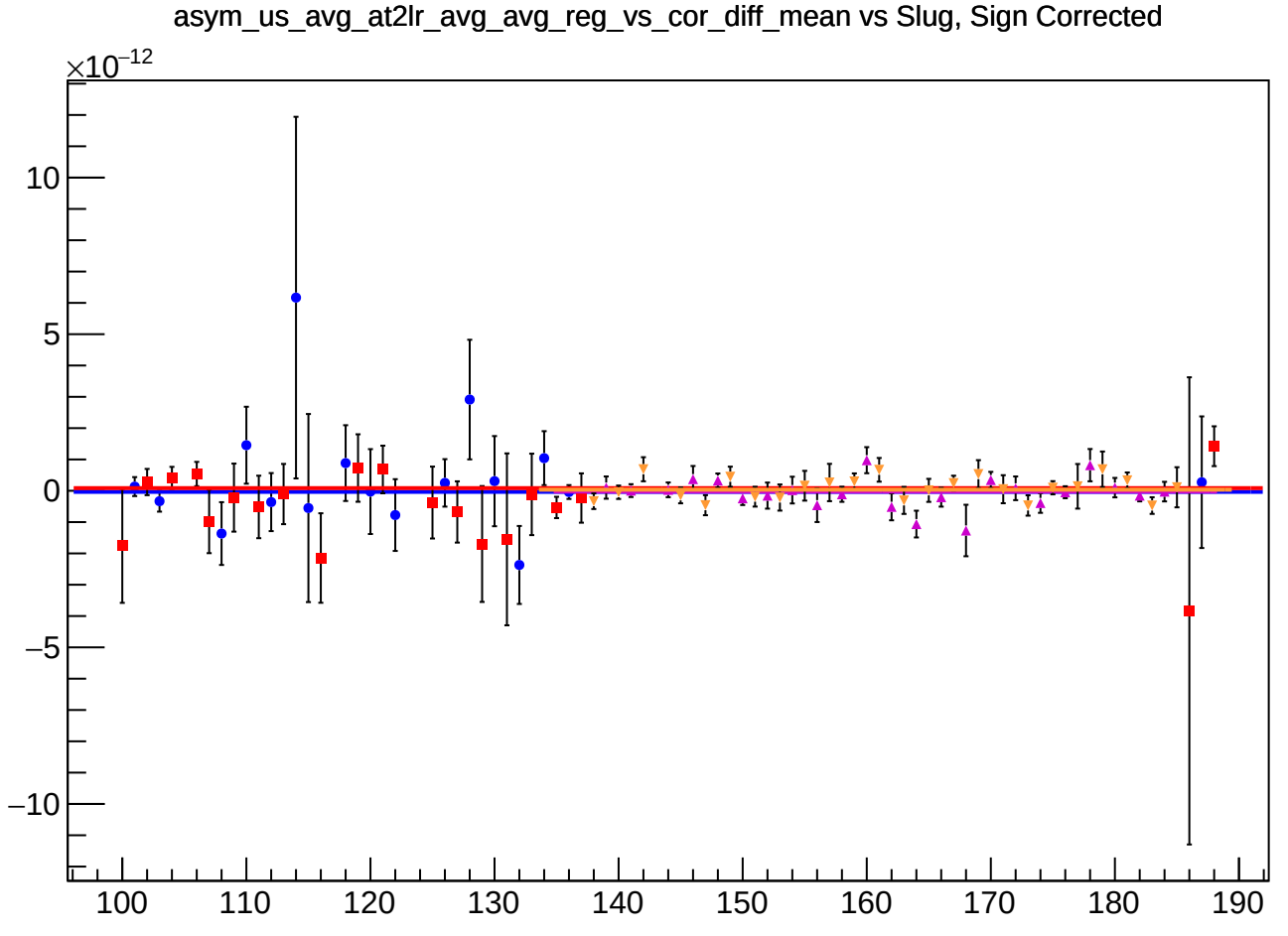
Left: 10695.712+/-1.269 χ^2/NDF: 2080199.2/46

Right: 8310.986+/-1.544 χ^2/NDF: 2670444.9/36

In: 9983.413+/-1.422 χ^2/NDF:1915990.8/39

Out: 9509.213+/-1.353 χ^2/NDF:4199845.1/43

All: 9734.495+/-0.980 χ^2/NDF: 6174176.0/83



Right In: -0.000+/-0.000 χ^2/NDF: 14.3/16

Left Out: 0.000+/-0.000 χ^2/NDF:26.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 18.7/19

Left In: -0.000+/-0.000 χ^2/NDF:27.9/22

Left: 0.000+/-0.000 χ^2/NDF: 54.6/46

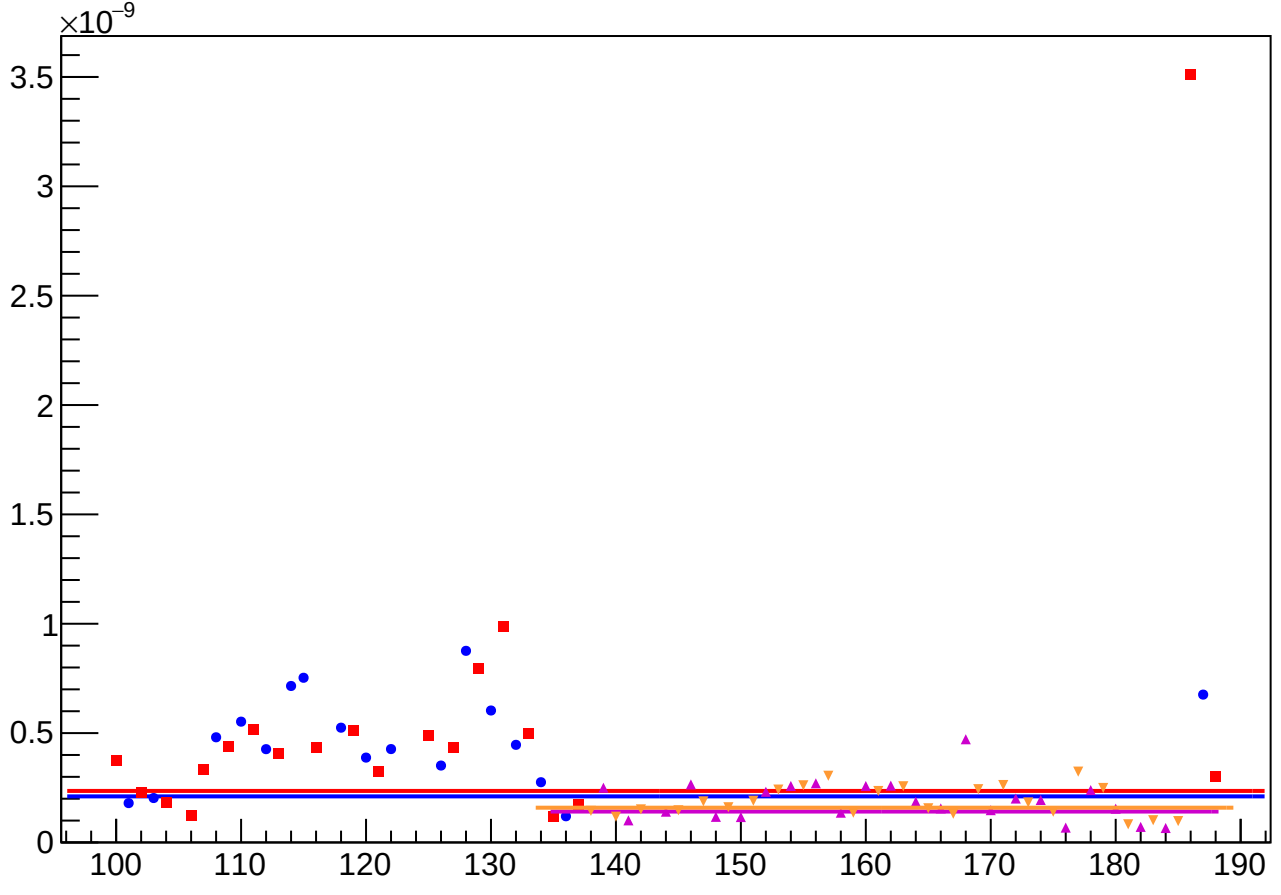
Right: 0.000+/-0.000 χ^2/NDF: 33.3/36

In: -0.000+/-0.000 χ^2/NDF:42.2/39

Out: 0.000+/-0.000 χ^2/NDF:45.0/43

All: 0.000+/-0.000 χ^2/NDF: 87.9/83

asym_us_avg_at2lr_avg_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1730870.8/16

Left Out: 0.000+/-0.000 χ^2/NDF:1297018.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 1969344.7/19

Left In: 0.000+/-0.000 χ^2/NDF:2396288.8/22

Left: 0.000+/-0.000 χ^2/NDF: 3771928.7/46

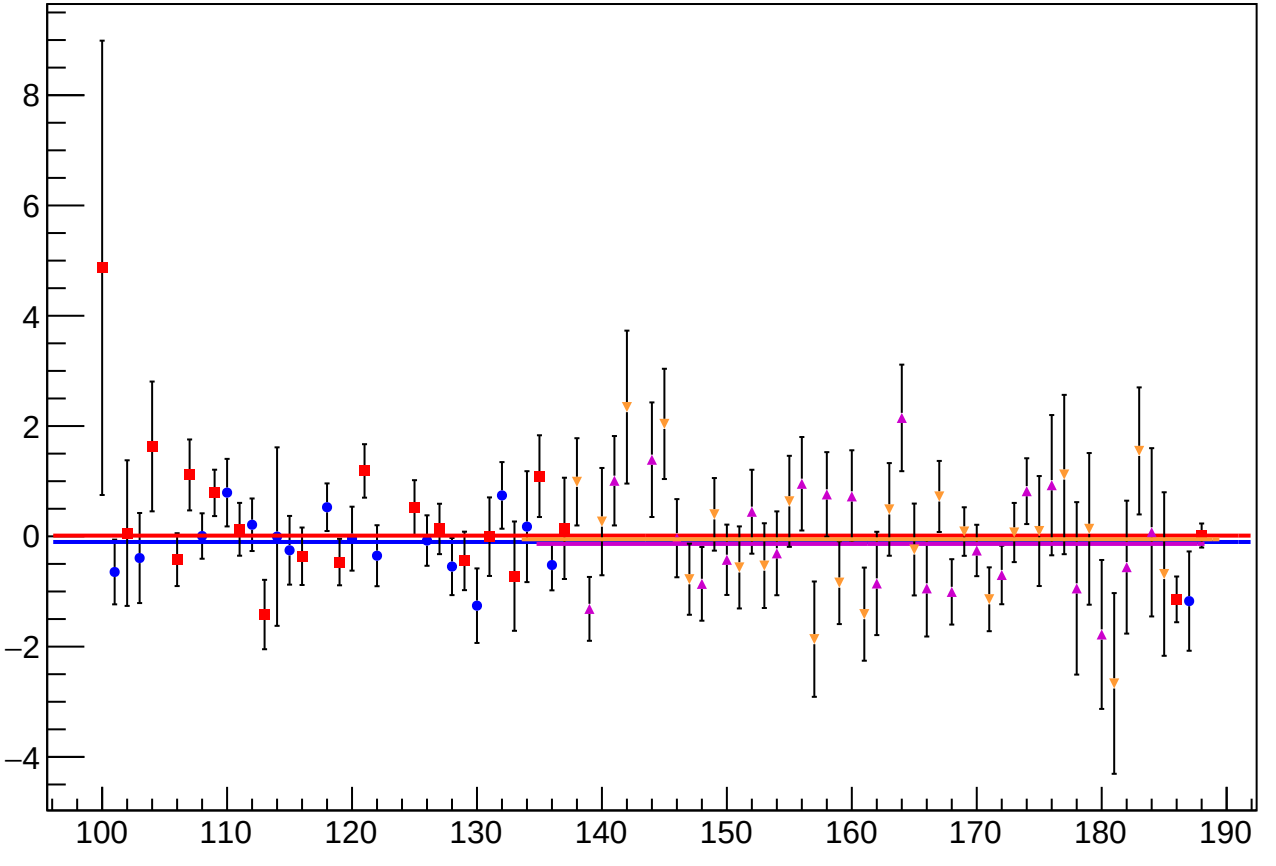
Right: 0.000+/-0.000 χ^2/NDF: 3729088.7/36

In: 0.000+/-0.000 χ^2/NDF:4533307.3/39

Out: 0.000+/-0.000 χ^2/NDF:3695759.9/43

All: 0.000+/-0.000 χ^2/NDF: 8334611.6/83

asym_us_avg_at2lr_avg_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.102+/-0.138 χ^2/NDF: 14.0/16

Left Out: -0.053+/-0.161 χ^2/NDF:30.1/23

Right Out: 0.013+/-0.112 χ^2/NDF: 35.6/19

Left In: -0.138+/-0.158 χ^2/NDF:30.0/22

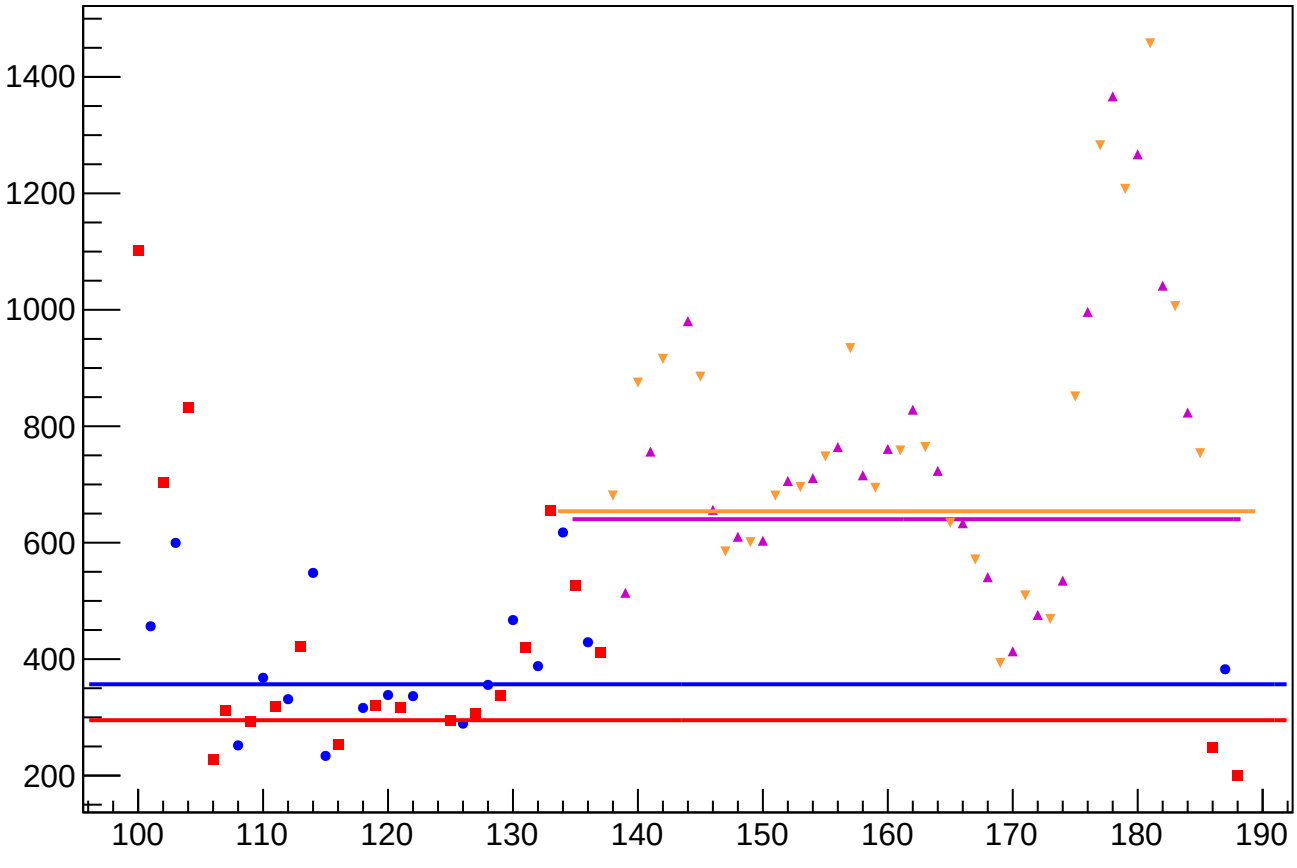
Left: -0.096+/-0.113 χ^2/NDF: 60.2/46

Right: -0.033+/-0.087 χ^2/NDF: 50.0/36

In: -0.118+/-0.104 χ^2/NDF:44.0/39

Out: -0.009+/-0.092 χ^2/NDF:65.9/43

All: -0.057+/-0.069 χ^2/NDF: 110.4/83



Right In: 356.812+/-0.098 χ^2/NDF: 786785.9/16

Left Out: 653.930+/-0.114 χ^2/NDF:3124472.6/23

Right Out: 295.100+/-0.079 χ^2/NDF: 1807733.8/19

Left In: 640.392+/-0.112 χ^2/NDF:2647967.4/22

Left: 647.014+/-0.080 χ^2/NDF: 5779634.4/46

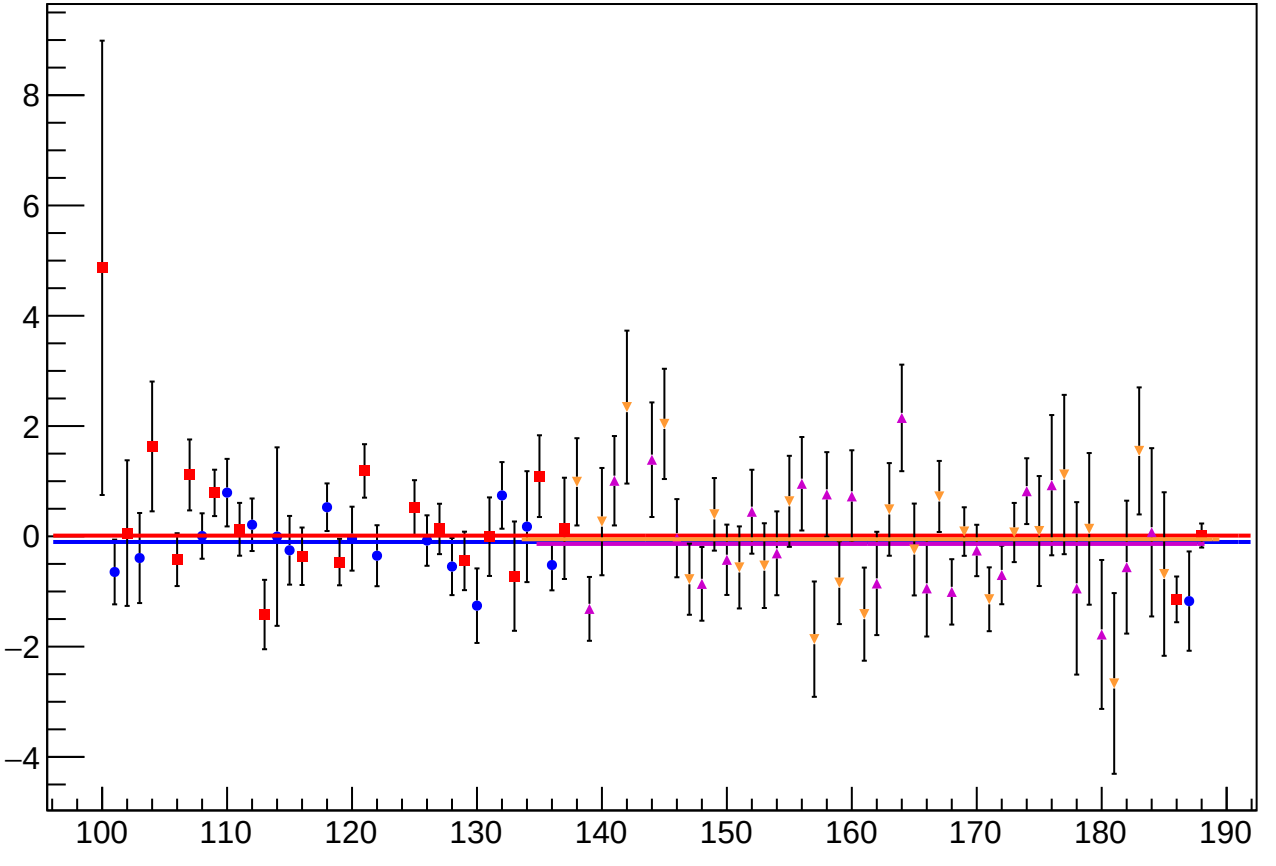
Right: 319.616+/-0.062 χ^2/NDF: 2834737.5/36

In: 479.892+/-0.074 χ^2/NDF:7087415.8/39

Out: 412.129+/-0.065 χ^2/NDF:11599711.9/43

All: 441.924+/-0.049 χ^2/NDF: 19162839.6/83

asym_us_avg_at2lr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.102+/-0.138 χ^2/NDF: 14.0/16

Left Out: -0.053+/-0.161 χ^2/NDF:30.1/23

Right Out: 0.013+/-0.112 χ^2/NDF: 35.6/19

Left In: -0.138+/-0.158 χ^2/NDF:30.0/22

Left: -0.096+/-0.113 χ^2/NDF: 60.2/46

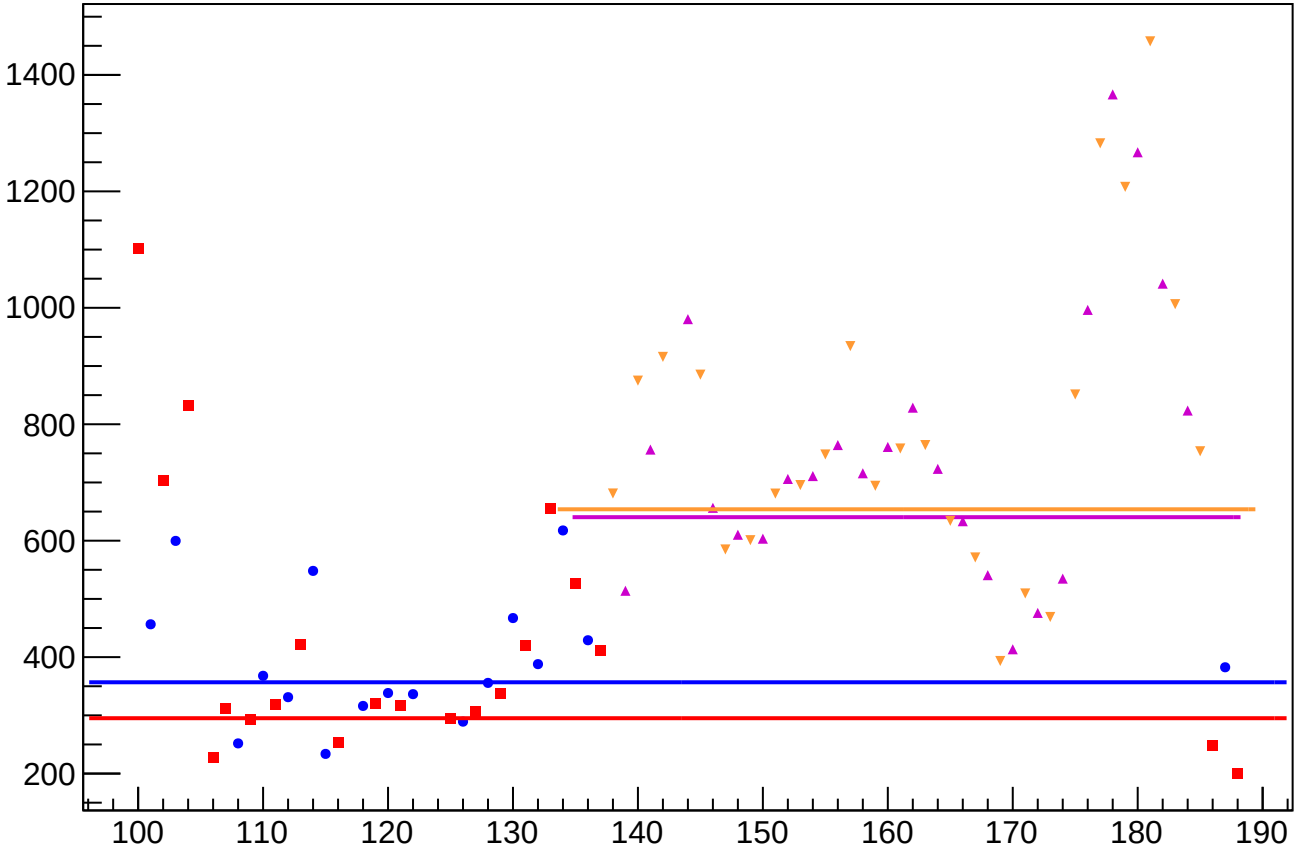
Right: -0.033+/-0.087 χ^2/NDF: 50.0/36

In: -0.118+/-0.104 χ^2/NDF:44.0/39

Out: -0.009+/-0.092 χ^2/NDF:65.9/43

All: -0.057+/-0.069 χ^2/NDF: 110.4/83

asym_us_avg_at2lr_avg_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 356.812+/-0.098 χ^2/NDF: 786785.9/16

Left Out: 653.930+/-0.114 χ^2/NDF:3124472.6/23

Right Out: 295.100+/-0.079 χ^2/NDF: 1807733.8/19

Left In: 640.392+/-0.112 χ^2/NDF:2647967.4/22

Left: 647.014+/-0.080 χ^2/NDF: 5779634.4/46

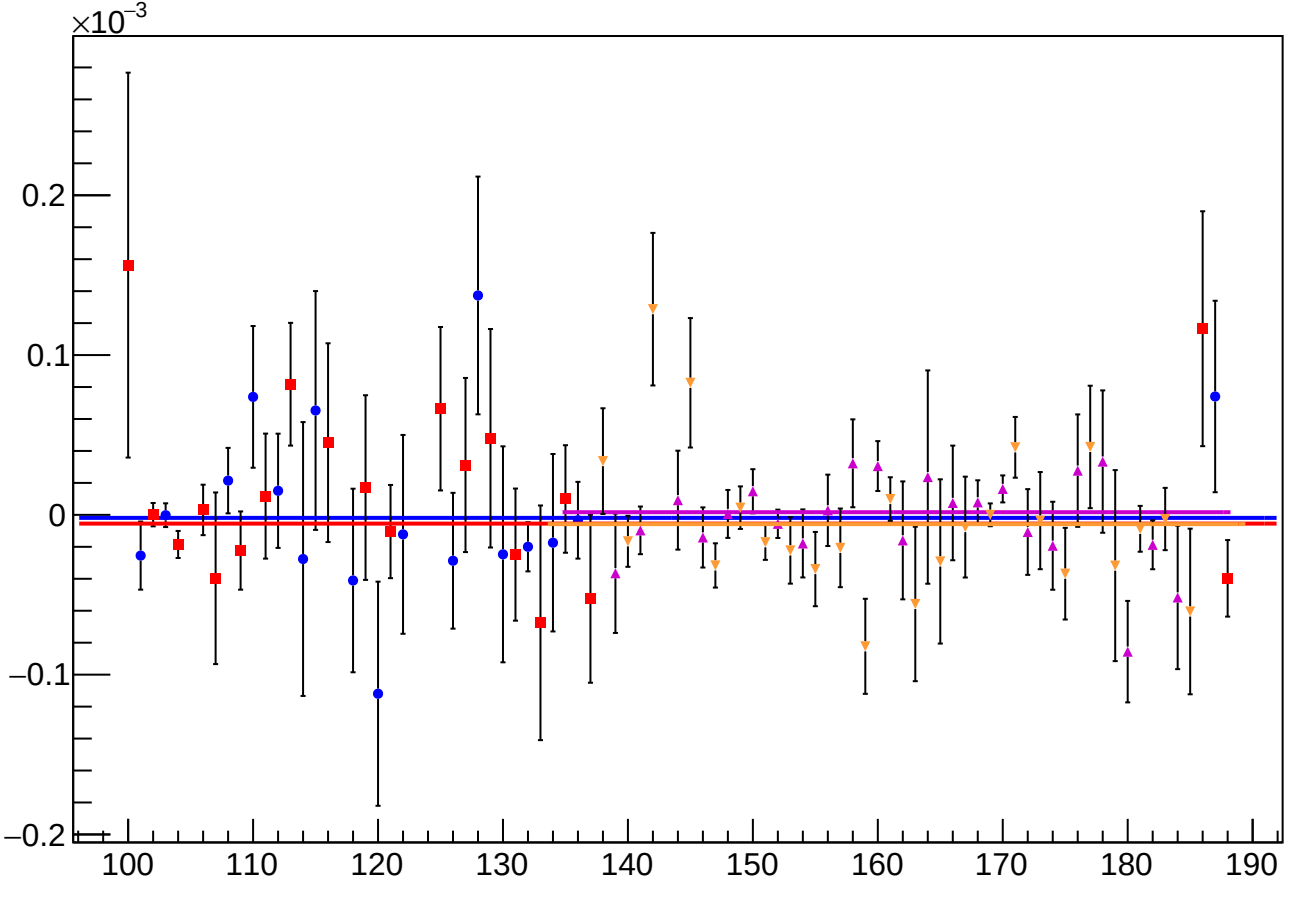
Right: 319.616+/-0.062 χ^2/NDF: 2834737.5/36

In: 479.892+/-0.074 χ^2/NDF:7087415.8/39

Out: 412.129+/-0.065 χ^2/NDF:11599711.9/43

All: 441.924+/-0.049 χ^2/NDF: 19162839.6/83

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 16.7/16

Left Out: -0.000+/-0.000 χ^2/NDF:42.6/23

Right Out: -0.000+/-0.000 χ^2/NDF: 21.9/19

Left In: 0.000+/-0.000 χ^2/NDF:25.6/22

Left: -0.000+/-0.000 χ^2/NDF: 70.2/46

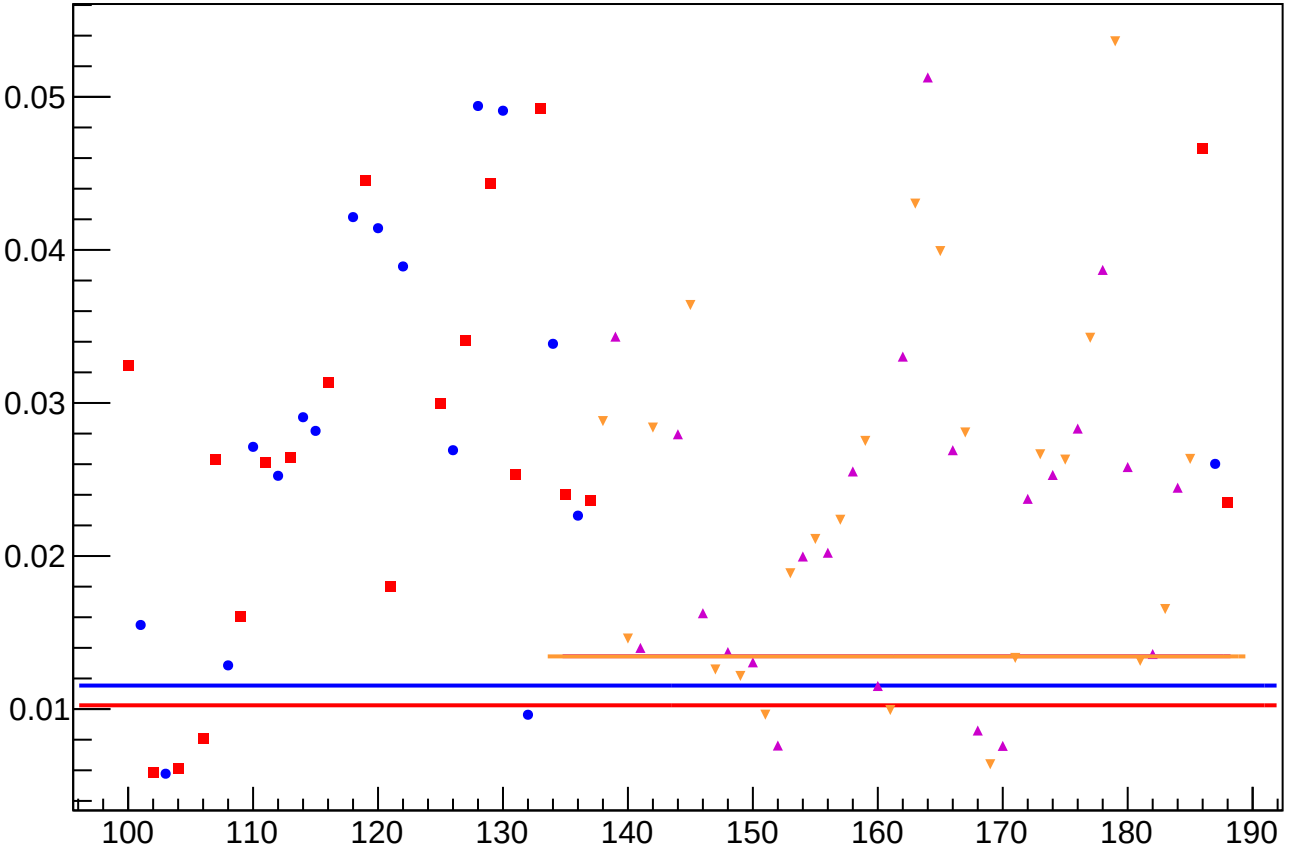
Right: -0.000+/-0.000 χ^2/NDF: 38.8/36

In: 0.000+/-0.000 χ^2/NDF:42.5/39

Out: -0.000+/-0.000 χ^2/NDF:64.5/43

All: -0.000+/-0.000 χ^2/NDF: 109.2/83

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 5618557.7/16

Left Out: 0.013+/-0.000 χ^2/NDF:8856192.5/23

Right Out: 0.010+/-0.000 χ^2/NDF: 6928228.8/19

Left In: 0.013+/-0.000 χ^2/NDF:7548263.6/22

Left: 0.013+/-0.000 χ^2/NDF: 16404470.0/46

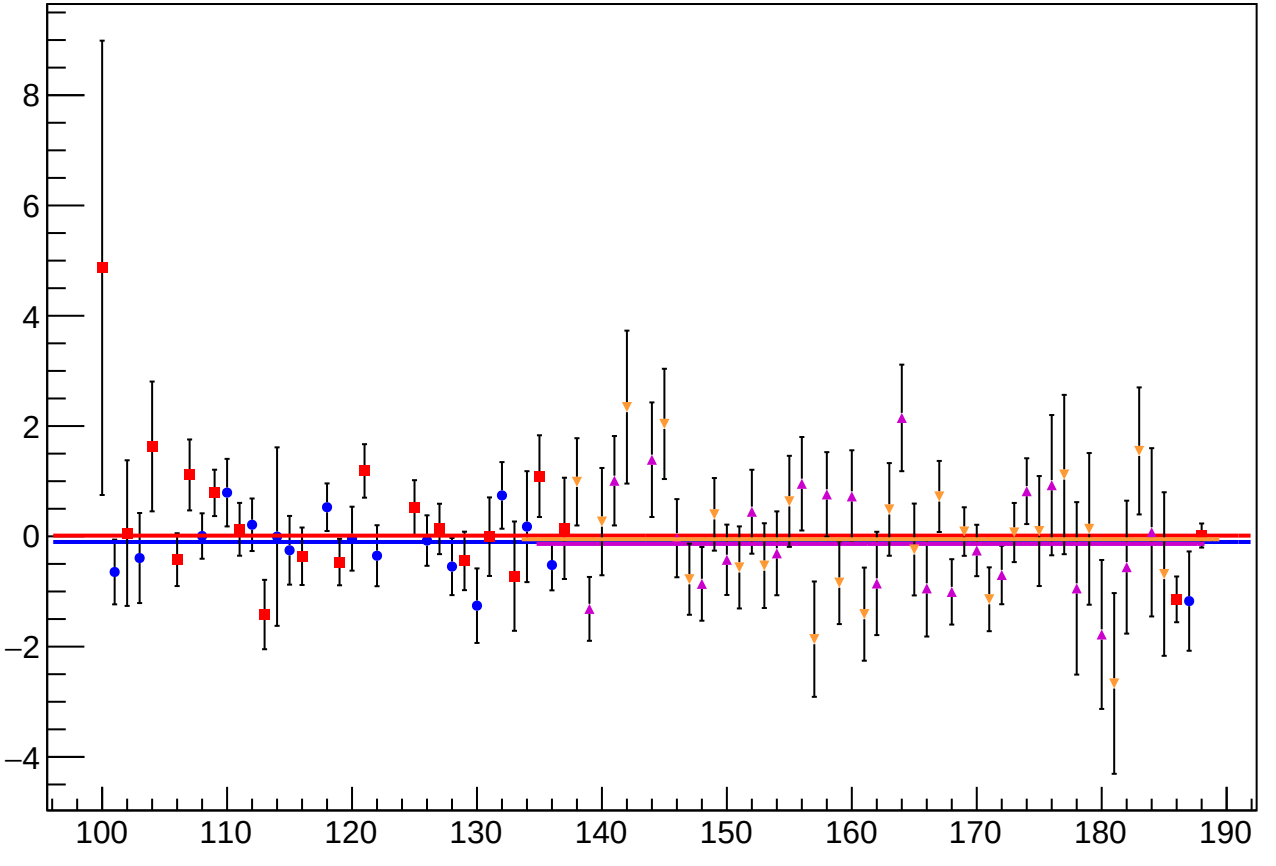
Right: 0.011+/-0.000 χ^2/NDF: 12610767.3/36

In: 0.013+/-0.000 χ^2/NDF:13331891.5/39

Out: 0.012+/-0.000 χ^2/NDF:16365477.3/43

All: 0.013+/-0.000 χ^2/NDF: 29746870.4/83

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.102+/-0.138 χ^2/NDF: 14.0/16

Left Out: -0.053+/-0.161 χ^2/NDF:30.1/23

Right Out: 0.013+/-0.112 χ^2/NDF: 35.6/19

Left In: -0.138+/-0.158 χ^2/NDF:30.0/22

Left: -0.096+/-0.113 χ^2/NDF: 60.2/46

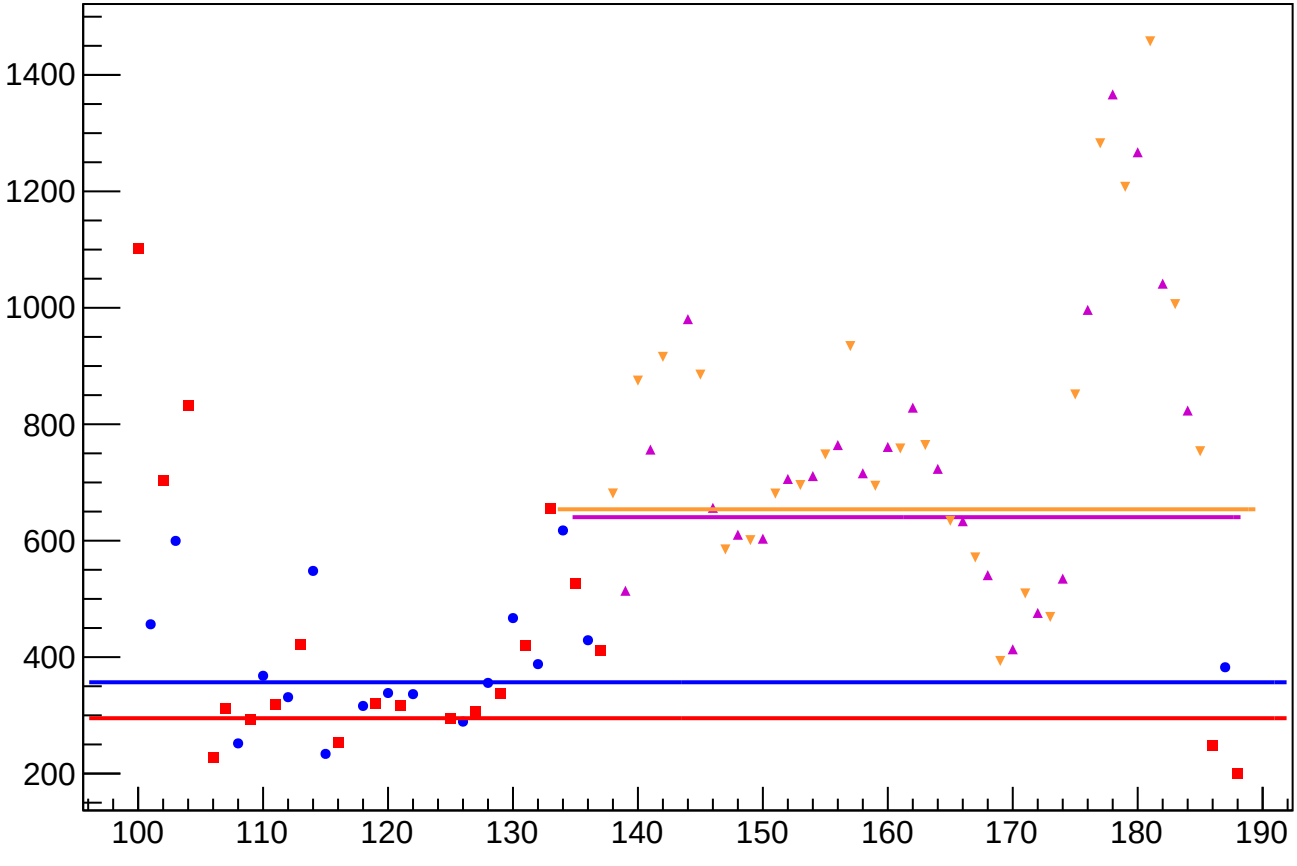
Right: -0.033+/-0.087 χ^2/NDF: 50.0/36

In: -0.118+/-0.104 χ^2/NDF:44.0/39

Out: -0.009+/-0.092 χ^2/NDF:65.9/43

All: -0.057+/-0.069 χ^2/NDF: 110.4/83

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 356.811+/-0.098 χ^2/NDF: 786752.6/16

Left Out: 653.930+/-0.114 χ^2/NDF:3124692.9/23

Right Out: 295.093+/-0.079 χ^2/NDF: 1807829.5/19

Left In: 640.395+/-0.112 χ^2/NDF:2648118.2/22

Left: 647.016+/-0.080 χ^2/NDF: 5780002.9/46

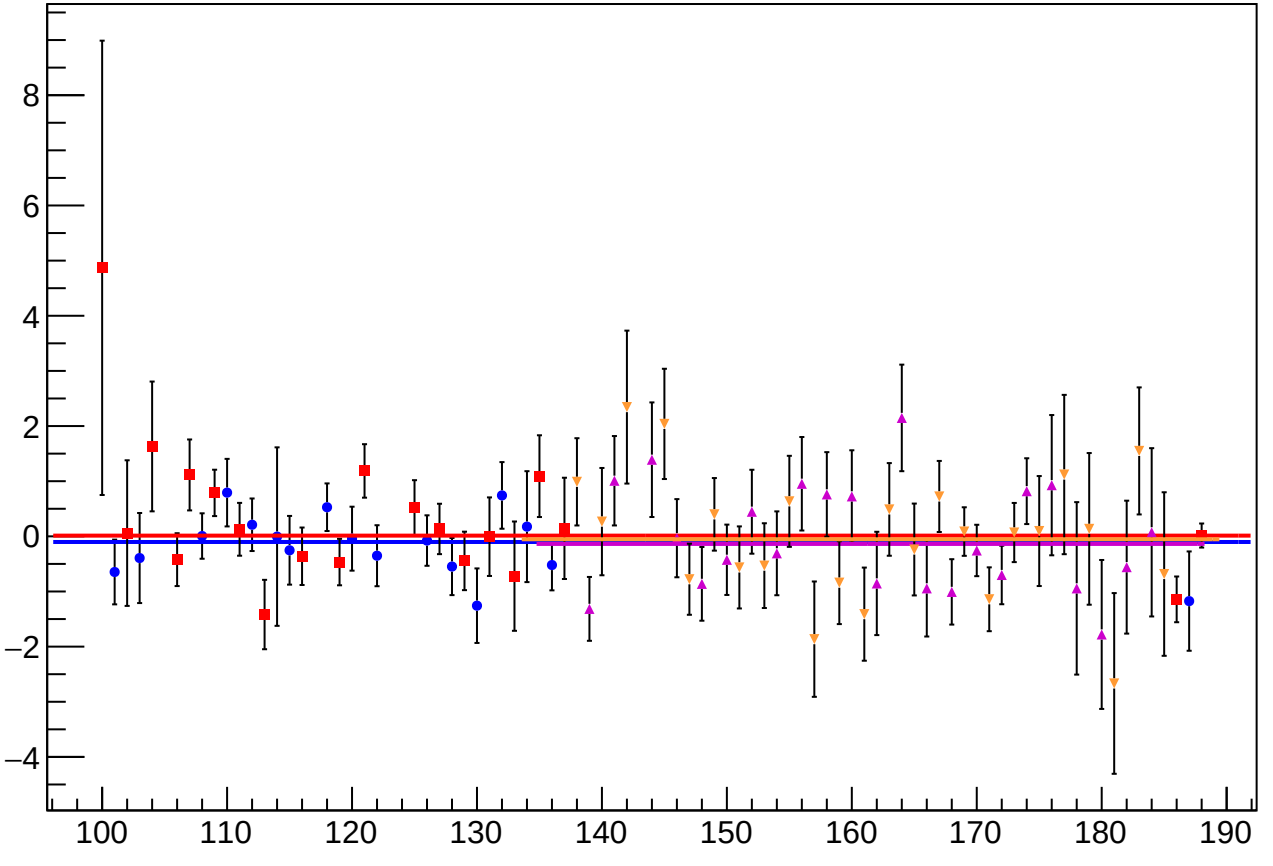
Right: 319.611+/-0.062 χ^2/NDF: 2834852.9/36

In: 479.891+/-0.074 χ^2/NDF:7087625.4/39

Out: 412.121+/-0.065 χ^2/NDF:11600372.9/43

All: 441.919+/-0.049 χ^2/NDF: 19163822.7/83

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.102+/-0.138 χ^2/NDF: 14.0/16

Left Out: -0.053+/-0.161 χ^2/NDF:30.1/23

Right Out: 0.013+/-0.112 χ^2/NDF: 35.6/19

Left In: -0.138+/-0.158 χ^2/NDF:30.0/22

Left: -0.096+/-0.113 χ^2/NDF: 60.2/46

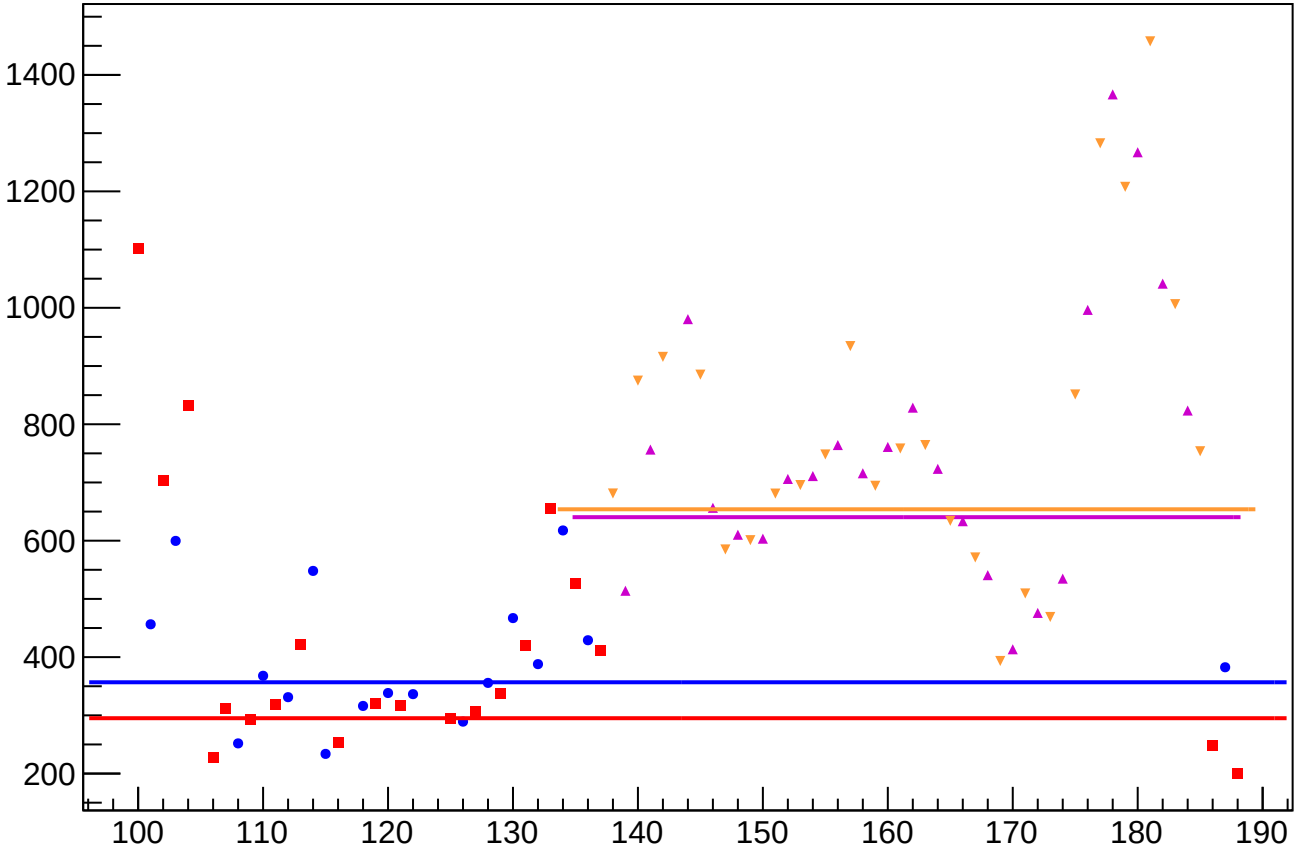
Right: -0.033+/-0.087 χ^2/NDF: 50.0/36

In: -0.118+/-0.104 χ^2/NDF:44.0/39

Out: -0.009+/-0.092 χ^2/NDF:65.9/43

All: -0.057+/-0.069 χ^2/NDF: 110.4/83

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 356.811+/-0.098 χ^2/NDF: 786752.6/16

Left Out: 653.930+/-0.114 χ^2/NDF:3124692.9/23

Right Out: 295.093+/-0.079 χ^2/NDF: 1807829.5/19

Left In: 640.395+/-0.112 χ^2/NDF:2648118.2/22

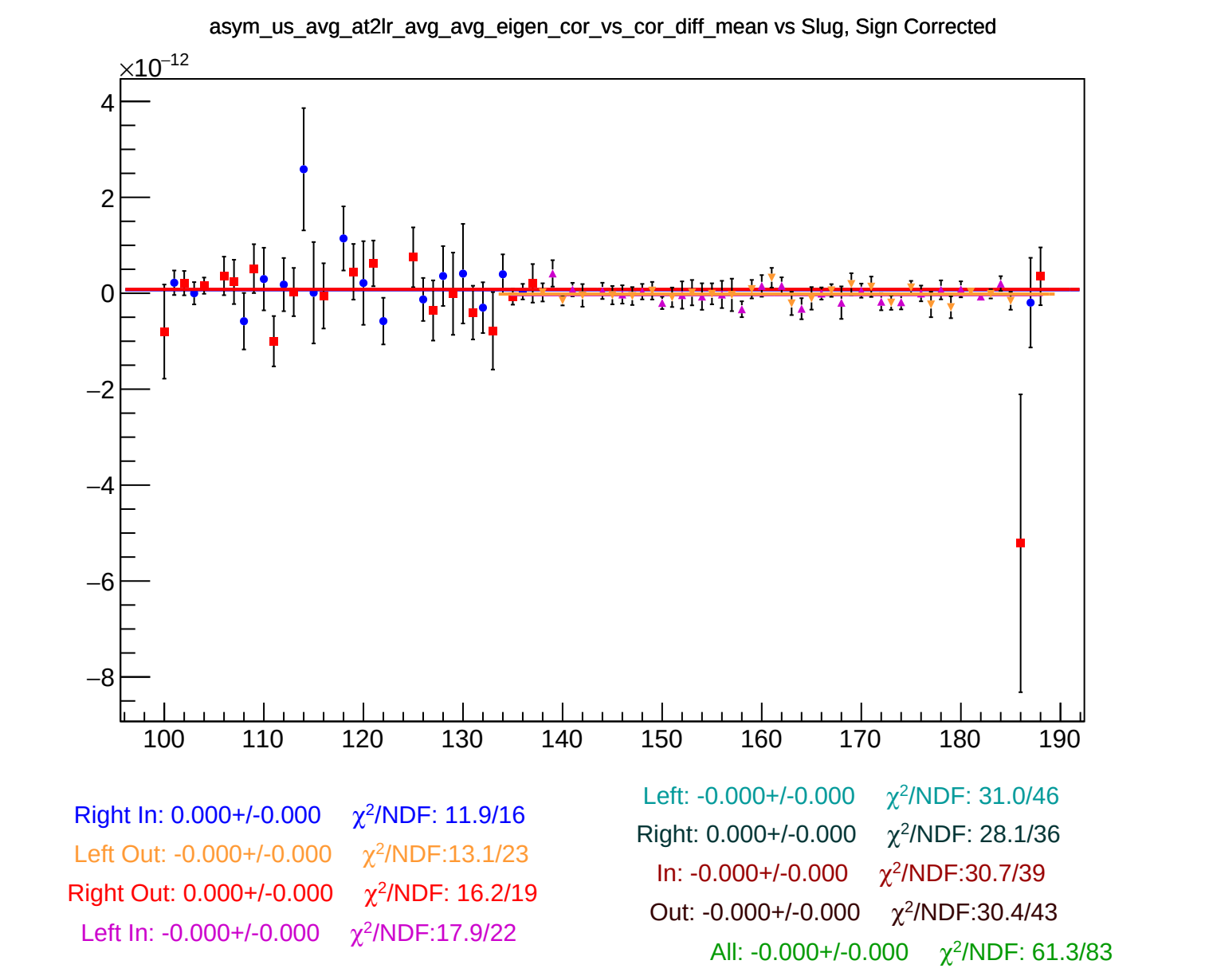
Left: 647.016+/-0.080 χ^2/NDF: 5780002.9/46

Right: 319.611+/-0.062 χ^2/NDF: 2834852.9/36

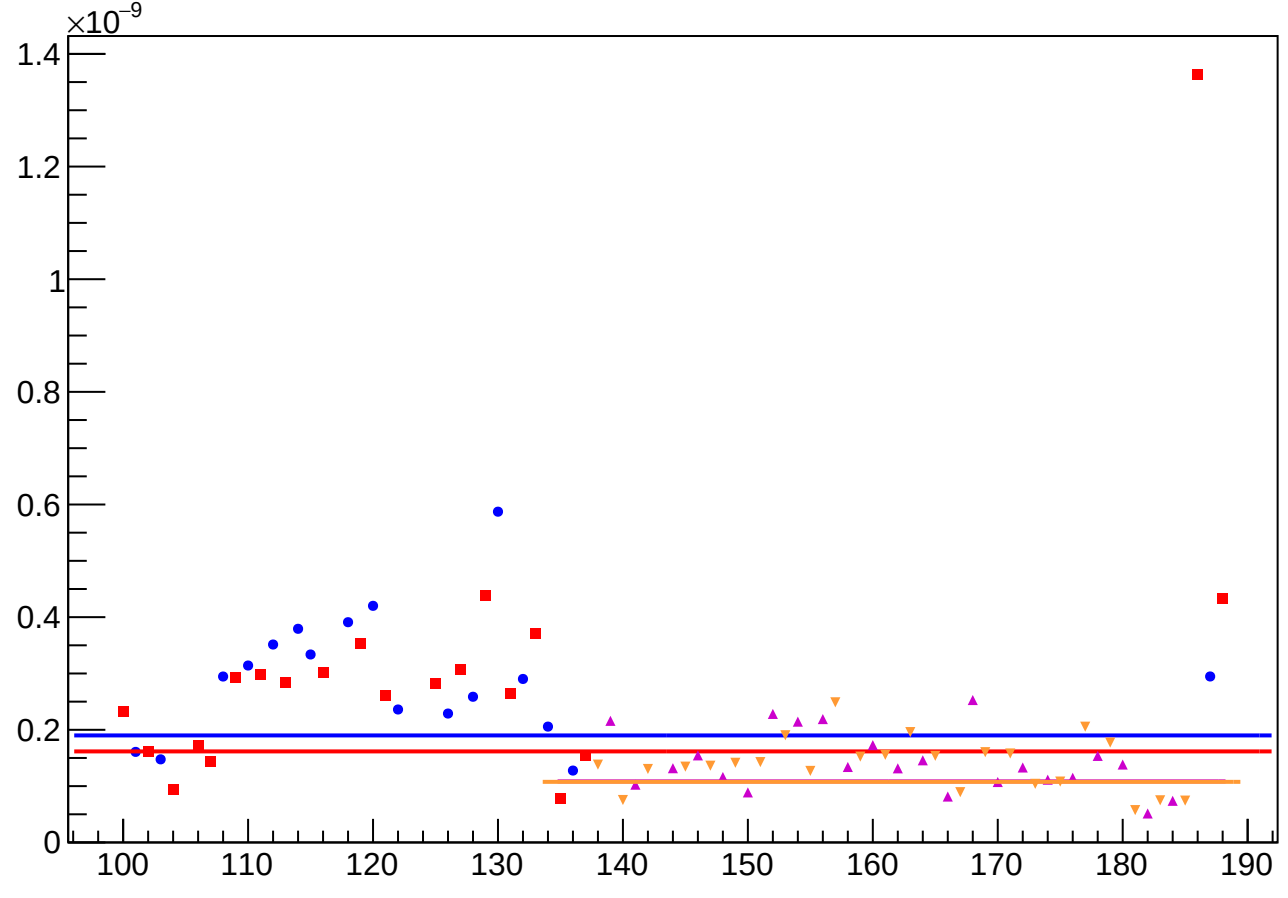
In: 479.891+/-0.074 χ^2/NDF:7087625.4/39

Out: 412.121+/-0.065 χ^2/NDF:11600372.9/43

All: 441.919+/-0.049 χ^2/NDF: 19163822.7/83


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
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 11.9/16
Left Out: -0.000+/-0.000 χ²/NDF:13.1/23
Right Out: 0.000+/-0.000 χ²/NDF: 16.2/19
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: 28.1/36
In: -0.000+/-0.000 χ²/NDF:30.7/39
Out: -0.000+/-0.000 χ²/NDF:30.4/43
All: -0.000+/-0.000 χ²/NDF: 61.3/83

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: 1545963.0/16

Left Out: 0.000+/-0.000 χ^2/NDF:3452023.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 2917442.0/19

Left In: 0.000+/-0.000 χ^2/NDF:3869719.7/22

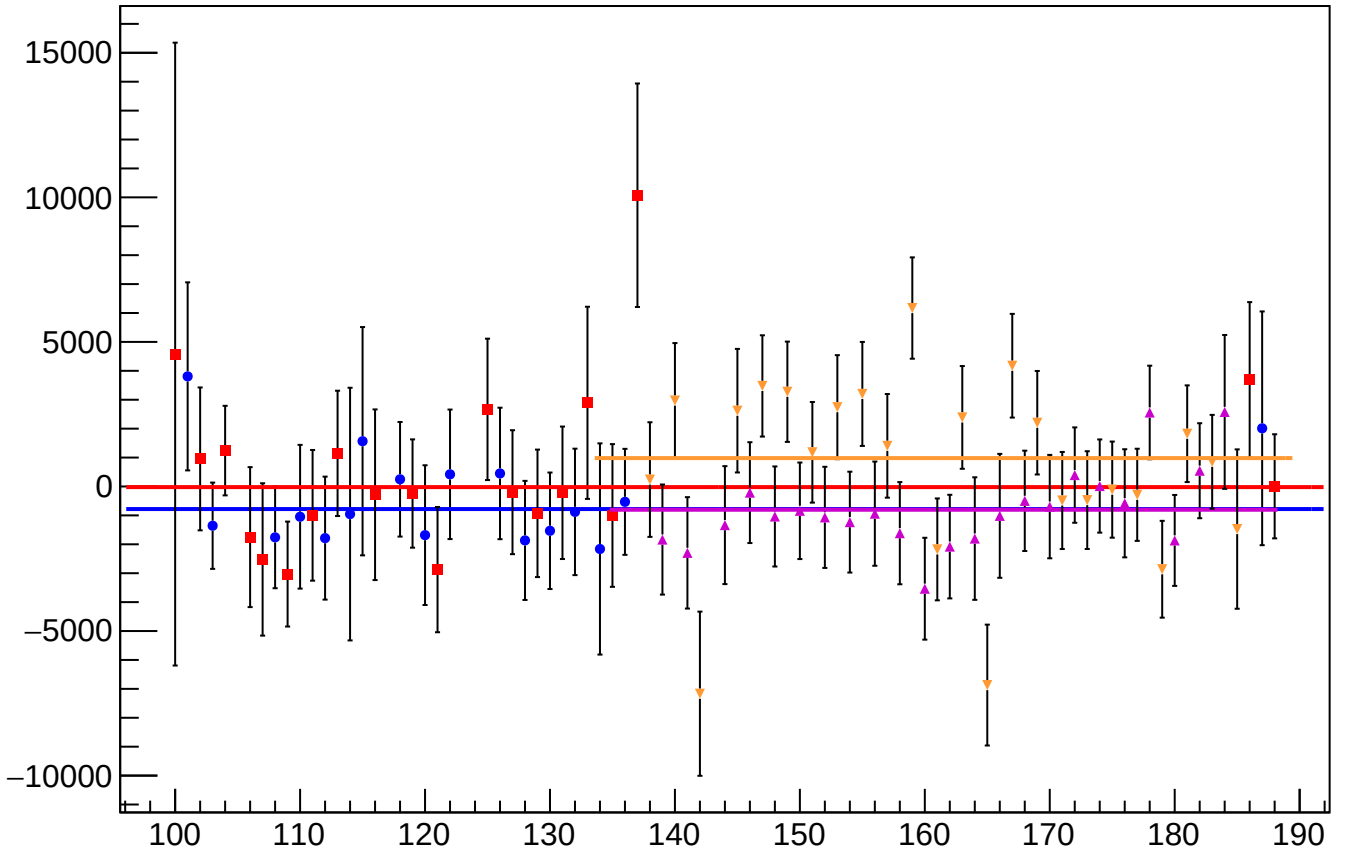
Left: 0.000+/-0.000 χ^2/NDF: 7322414.2/46

Right: 0.000+/-0.000 χ^2/NDF: 4561923.4/36

In: 0.000+/-0.000 χ^2/NDF:6708851.6/39

Out: 0.000+/-0.000 χ^2/NDF:7077781.1/43

All: 0.000+/-0.000 χ^2/NDF: 13792569.8/83



Right In: -780.866+/-549.679 χ^2/NDF: 5.1/16

Left Out: 981.627+/-370.843 χ^2/NDF:55.5/23

Right Out: -21.785+/-514.415 χ^2/NDF: 18.4/19

Left In: -803.908+/-374.066 χ^2/NDF:12.4/22

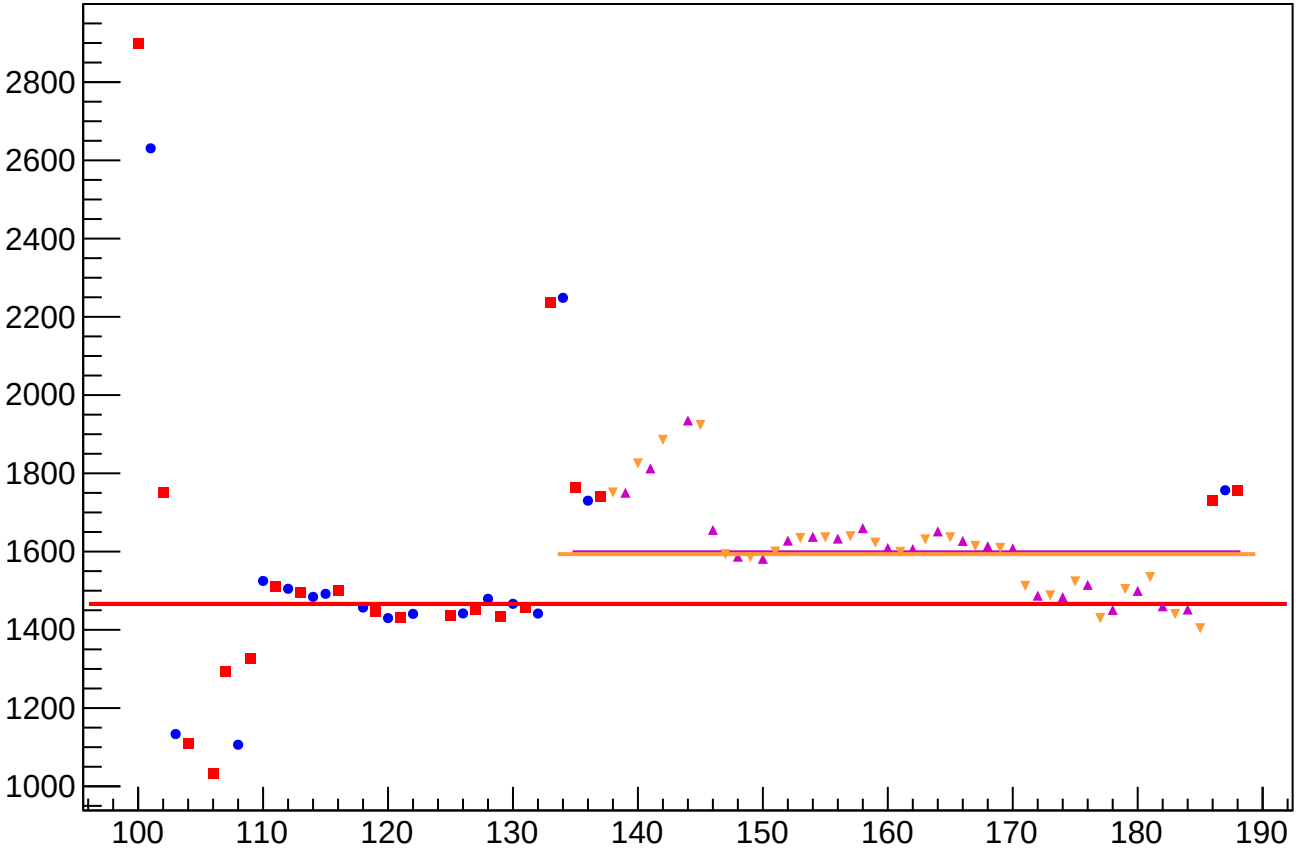
Left: 96.584+/-263.358 χ^2/NDF: 79.5/46

Right: -376.197+/-375.595 χ^2/NDF: 24.5/36

In: -796.615+/-309.251 χ^2/NDF:17.5/39

Out: 638.484+/-300.823 χ^2/NDF:76.5/43

All: -59.245+/-215.632 χ^2/NDF: 105.1/83



Right In: 1466.129+/-0.389 χ^2/NDF: 586271.1/16

Left Out: 1593.482+/-0.262 χ^2/NDF:187613.7/23

Right Out: 1466.240+/-0.361 χ^2/NDF: 492041.3/19

Left In: 1598.119+/-0.265 χ^2/NDF:169157.7/22

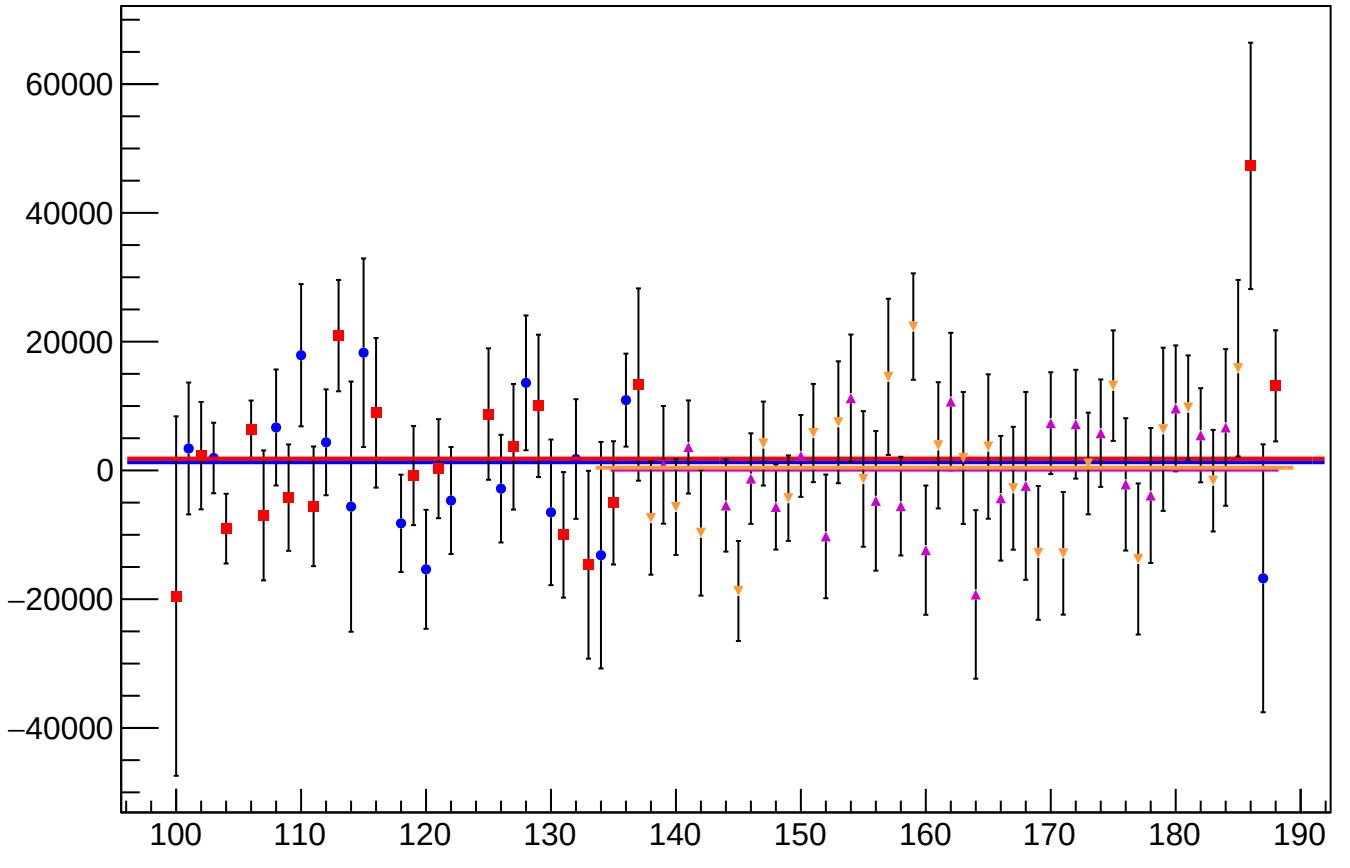
Left: 1595.780+/-0.186 χ^2/NDF: 356926.4/46

Right: 1466.189+/-0.265 χ^2/NDF: 1078312.4/36

In: 1556.341+/-0.219 χ^2/NDF:834244.9/39

Out: 1549.593+/-0.212 χ^2/NDF:760869.7/43

All: 1552.866+/-0.152 χ^2/NDF: 1595605.0/83



Right In: 1273.214+/-2254.673 χ^2/NDF: 14.9/16

Left Out: 426.701+/-1819.878 χ^2/NDF:29.4/23

Right Out: 1836.401+/-1948.873 χ^2/NDF: 25.2/19

Left In: 126.369+/-1814.830 χ^2/NDF:13.9/22

Left: 276.118+/-1285.060 χ^2/NDF: 43.3/46

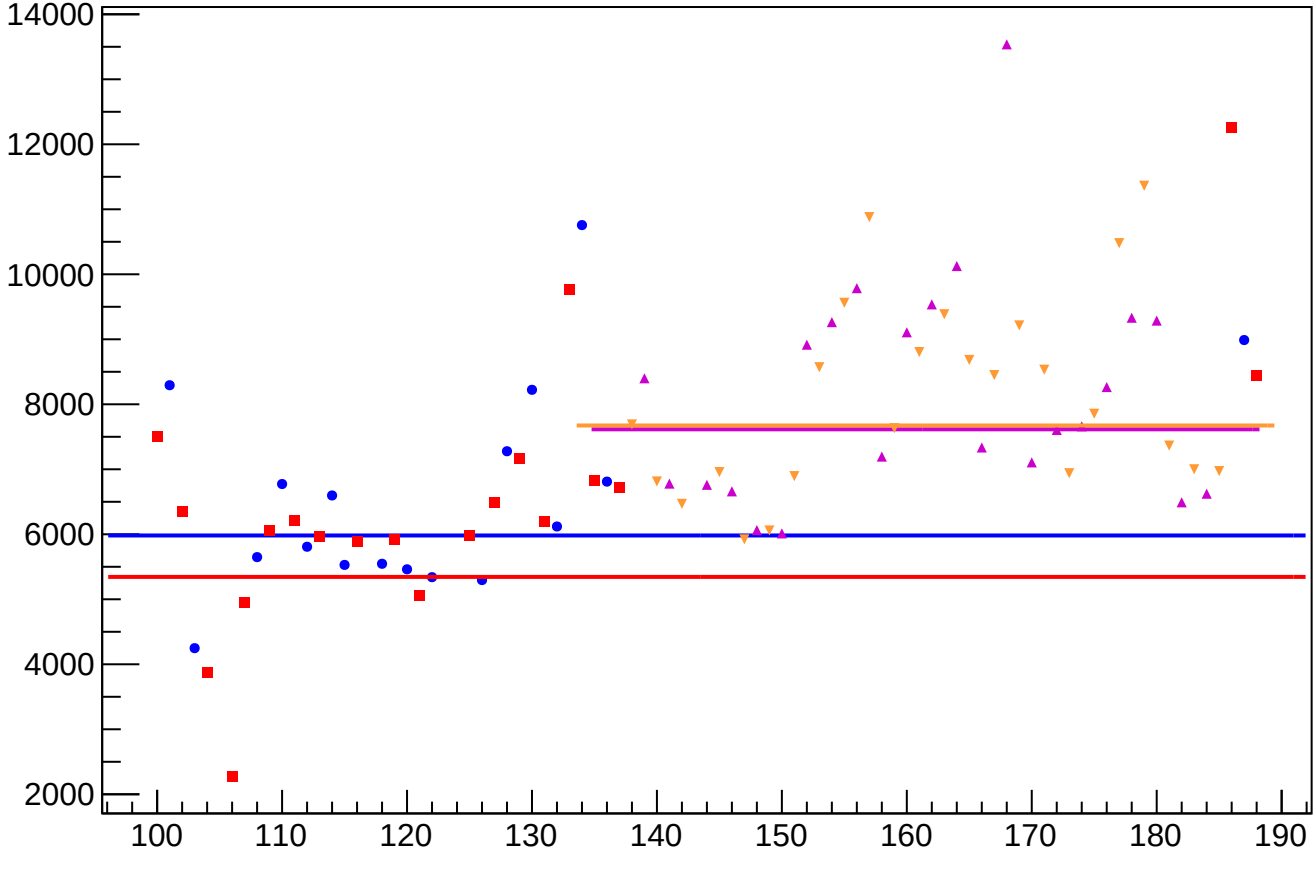
Right: 1595.563+/-1474.416 χ^2/NDF: 40.2/36

In: 577.269+/-1413.745 χ^2/NDF:29.0/39

Out: 1083.358+/-1330.115 χ^2/NDF:54.8/43

All: 845.724+/-968.750 χ^2/NDF: 83.9/83

asym_us_avg_at2lr_avg_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 5981.804+/-1.594 χ^2/NDF: 683390.2/16

Left Out: 7674.060+/-1.287 χ^2/NDF:1076713.7/23

Right Out: 5344.288+/-1.378 χ^2/NDF: 2029265.8/19

Left In: 7614.974+/-1.283 χ^2/NDF:1224520.2/22

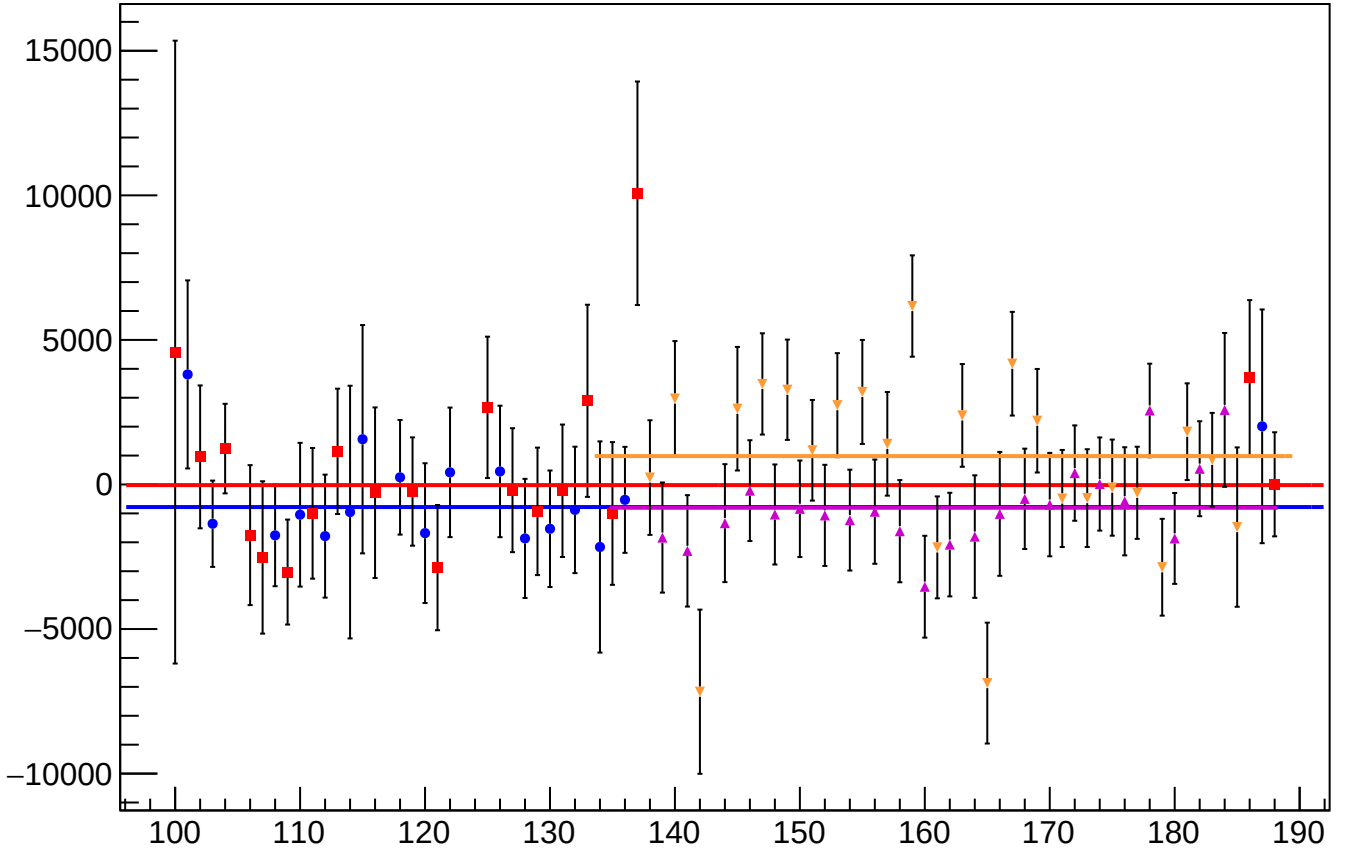
Left: 7644.435+/-0.909 χ^2/NDF: 2302291.0/46

Right: 5616.912+/-1.043 χ^2/NDF: 2804176.7/36

In: 6972.868+/-1.000 χ^2/NDF:2544699.5/39

Out: 6588.822+/-0.941 χ^2/NDF:4632784.8/43

All: 6769.151+/-0.685 χ^2/NDF: 7255772.9/83



Right In: -780.934+/-549.679 χ^2/NDF: 5.1/16

Left Out: 981.712+/-370.843 χ^2/NDF:55.6/23

Right Out: -21.645+/-514.415 χ^2/NDF: 18.4/19

Left In: -803.783+/-374.066 χ^2/NDF:12.4/22

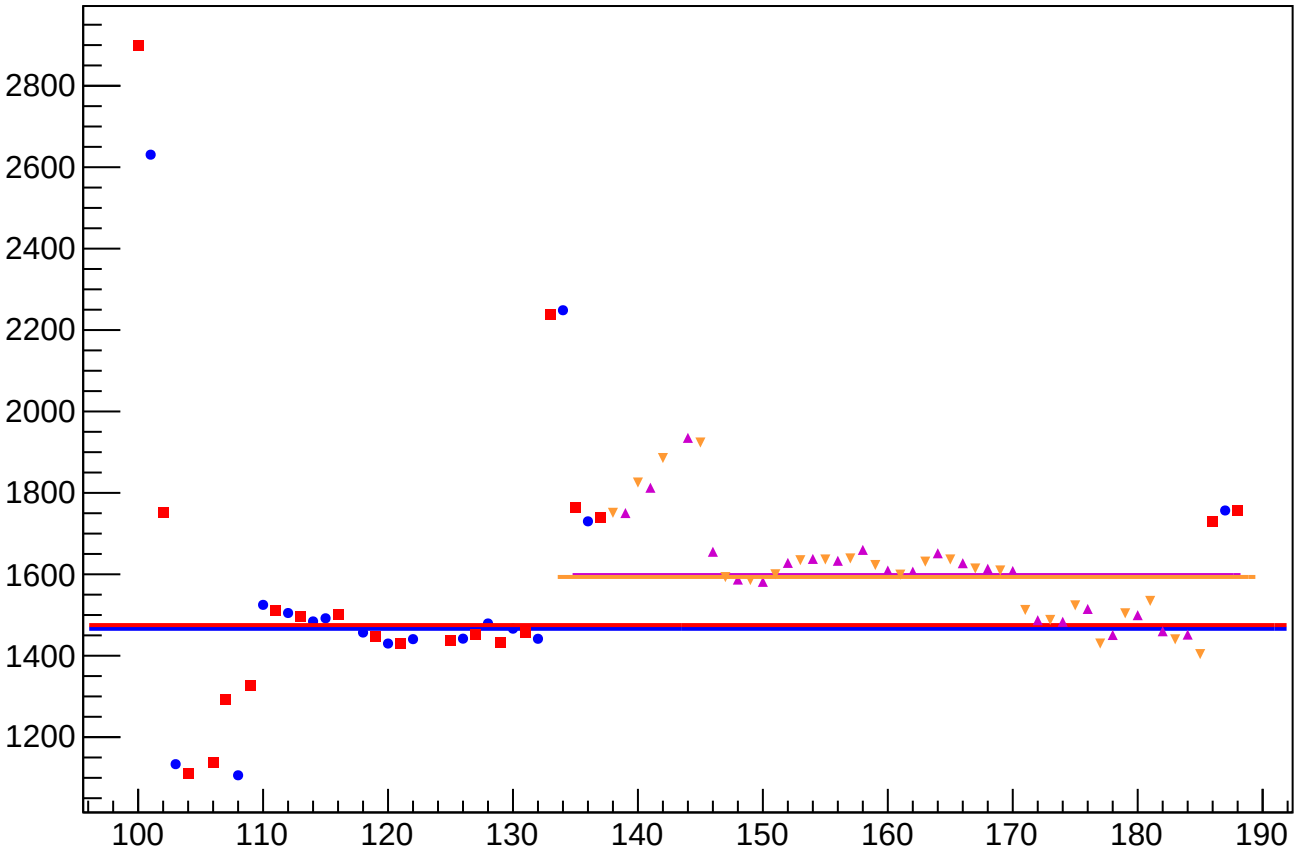
Left: 96.688+/-263.358 χ^2/NDF: 79.5/46

Right: -376.154+/-375.595 χ^2/NDF: 24.5/36

In: -796.551+/-309.251 χ^2/NDF:17.5/39

Out: 638.588+/-300.823 χ^2/NDF:76.5/43

All: -59.161+/-215.632 χ^2/NDF: 105.1/83



Right In: 1466.129+/-0.389 χ^2/NDF: 586271.4/16

Left Out: 1593.482+/-0.262 χ^2/NDF:187613.7/23

Right Out: 1475.245+/-0.363 χ^2/NDF: 449169.7/19

Left In: 1598.119+/-0.265 χ^2/NDF:169157.7/22

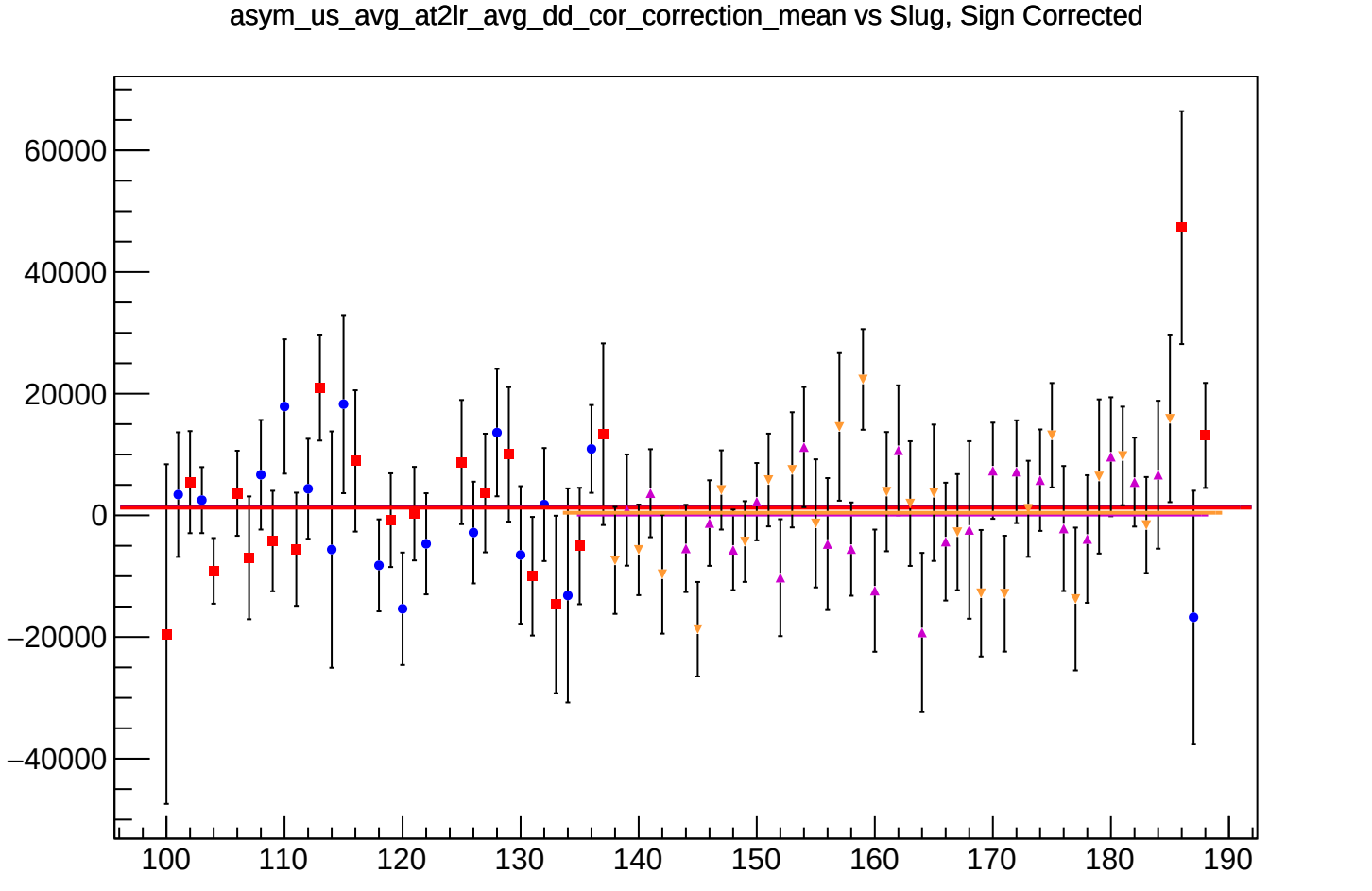
Left: 1595.780+/-0.186 χ^2/NDF: 356926.4/46

Right: 1470.998+/-0.265 χ^2/NDF: 1035734.9/36

In: 1556.341+/-0.219 χ^2/NDF:834245.3/39

Out: 1552.940+/-0.213 χ^2/NDF:706494.4/43

All: 1554.593+/-0.152 χ^2/NDF: 1540864.1/83



Right In: 1373.954+/-2250.971 χ^2/NDF: 15.0/16

Left Out: 426.702+/-1819.879 χ^2/NDF:29.4/23

Right Out: 1257.072+/-2058.723 χ^2/NDF: 24.5/19

Left In: 126.376+/-1814.828 χ^2/NDF:13.9/22

Left: 276.121+/-1285.059 χ^2/NDF: 43.3/46

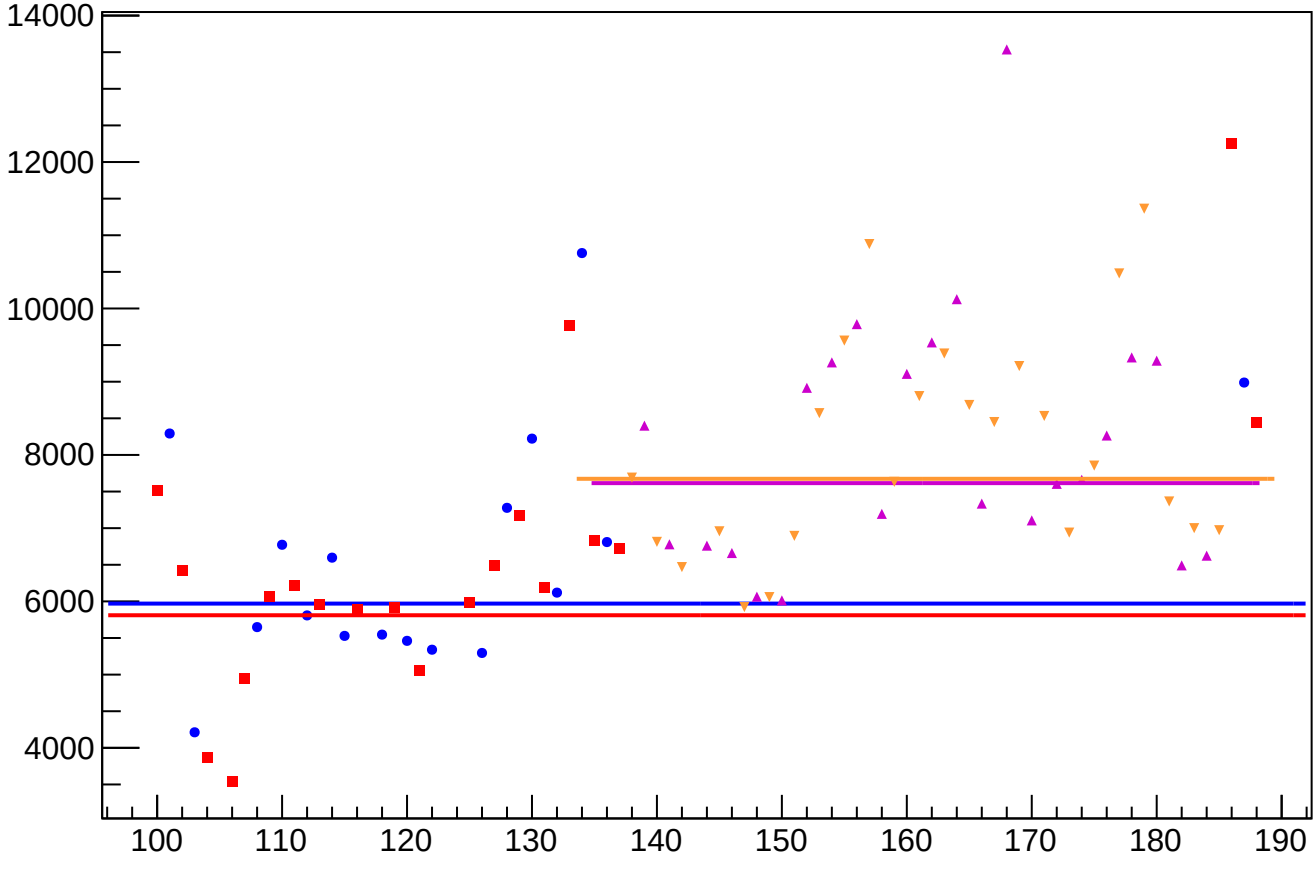
Right: 1310.309+/-1519.164 χ^2/NDF: 39.5/36

In: 617.858+/-1412.830 χ^2/NDF:29.0/39

Out: 790.946+/-1363.510 χ^2/NDF:54.0/43

All: 707.476+/-981.120 χ^2/NDF: 83.0/83

asym_us_avg_at2lr_avg_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 5969.956+/-1.592 χ^2/NDF: 695674.4/16

Left Out: 7674.063+/-1.287 χ^2/NDF:1076712.6/23

Right Out: 5810.712+/-1.456 χ^2/NDF: 1162956.9/19

Left In: 7614.964+/-1.283 χ^2/NDF:1224525.6/22

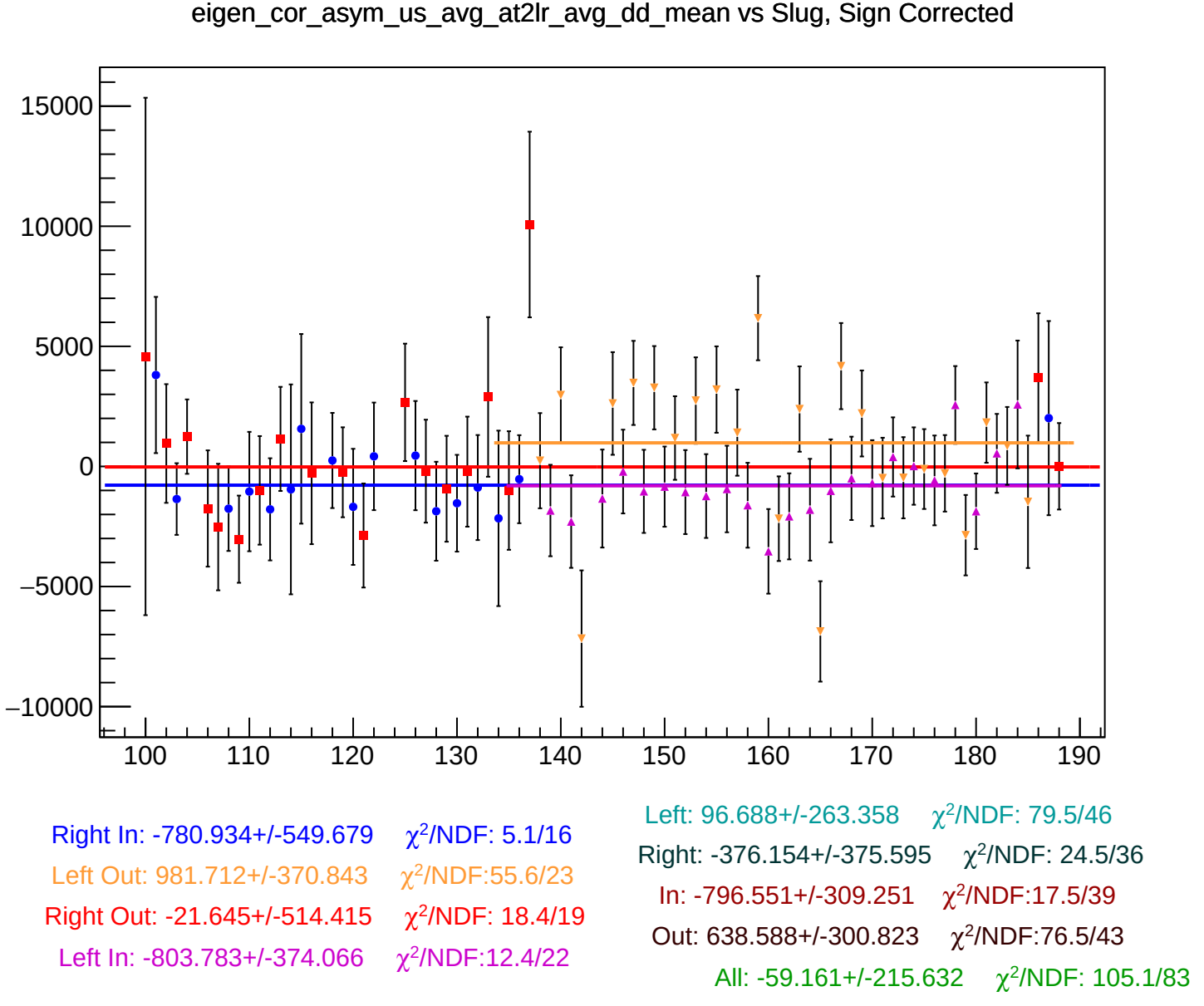
Left: 7644.431+/-0.909 χ^2/NDF: 2302295.7/46

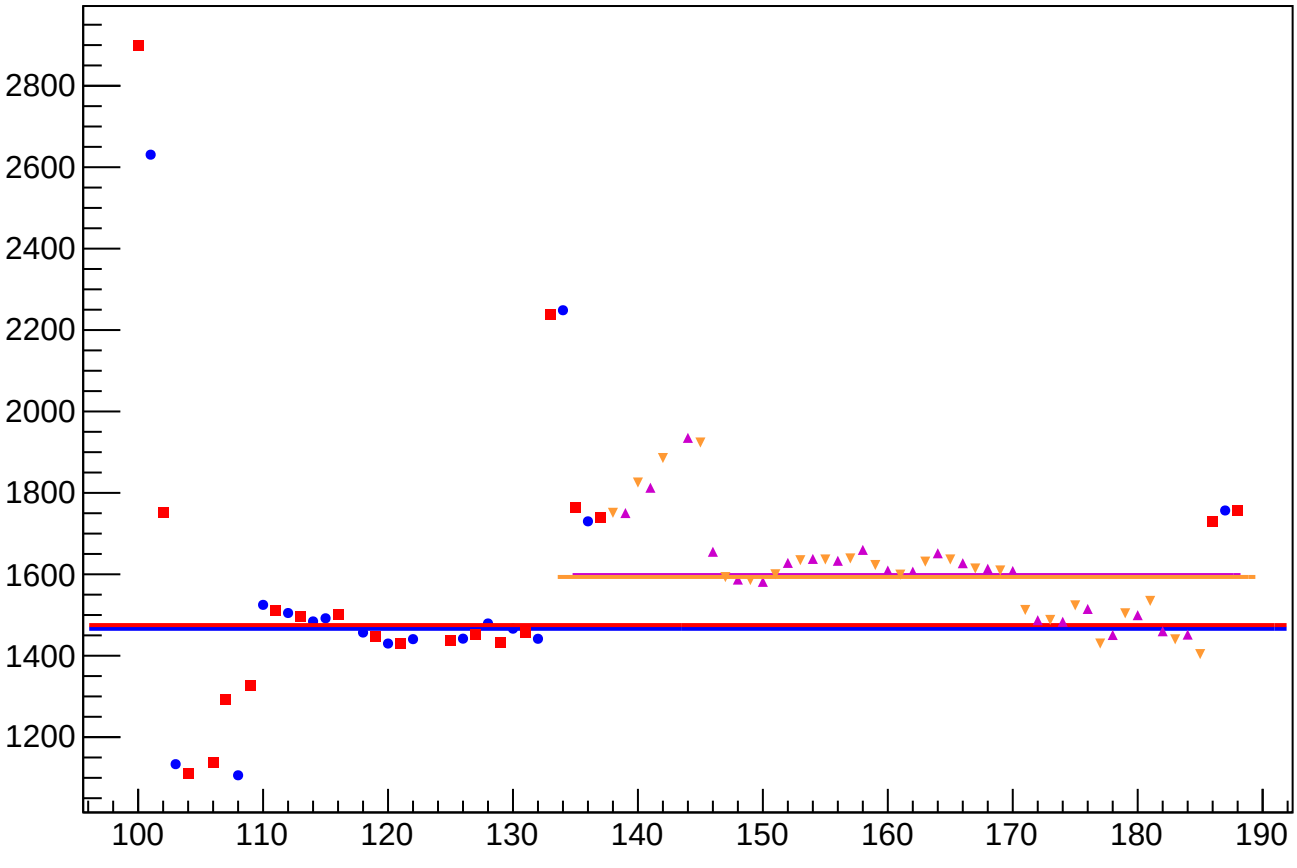
Right: 5883.244+/-1.074 χ^2/NDF: 1864081.7/36

In: 6966.914+/-0.999 χ^2/NDF:2567544.7/39

Out: 6856.699+/-0.964 χ^2/NDF:3159388.0/43

All: 6909.849+/-0.694 χ^2/NDF: 5733234.4/83


eigen_cor_asym_us_avg_at2lr_avg_dd_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
180
190
Right In: -780.934+/-549.679 χ²/NDF: 5.1/16
Left Out: 981.712+/-370.843 χ²/NDF:55.6/23
Right Out: -21.645+/-514.415 χ²/NDF: 18.4/19
Left In: -803.783+/-374.066 χ²/NDF:12.4/22
Left: 96.688+/-263.358 χ²/NDF: 79.5/46
Right: -376.154+/-375.595 χ²/NDF: 24.5/36
In: -796.551+/-309.251 χ²/NDF:17.5/39
Out: 638.588+/-300.823 χ²/NDF:76.5/43
All: -59.161+/-215.632 χ²/NDF: 105.1/83



Right In: 1466.129+/-0.389 χ^2/NDF: 586271.4/16

Left Out: 1593.482+/-0.262 χ^2/NDF:187613.7/23

Right Out: 1475.245+/-0.363 χ^2/NDF: 449169.7/19

Left In: 1598.119+/-0.265 χ^2/NDF:169157.7/22

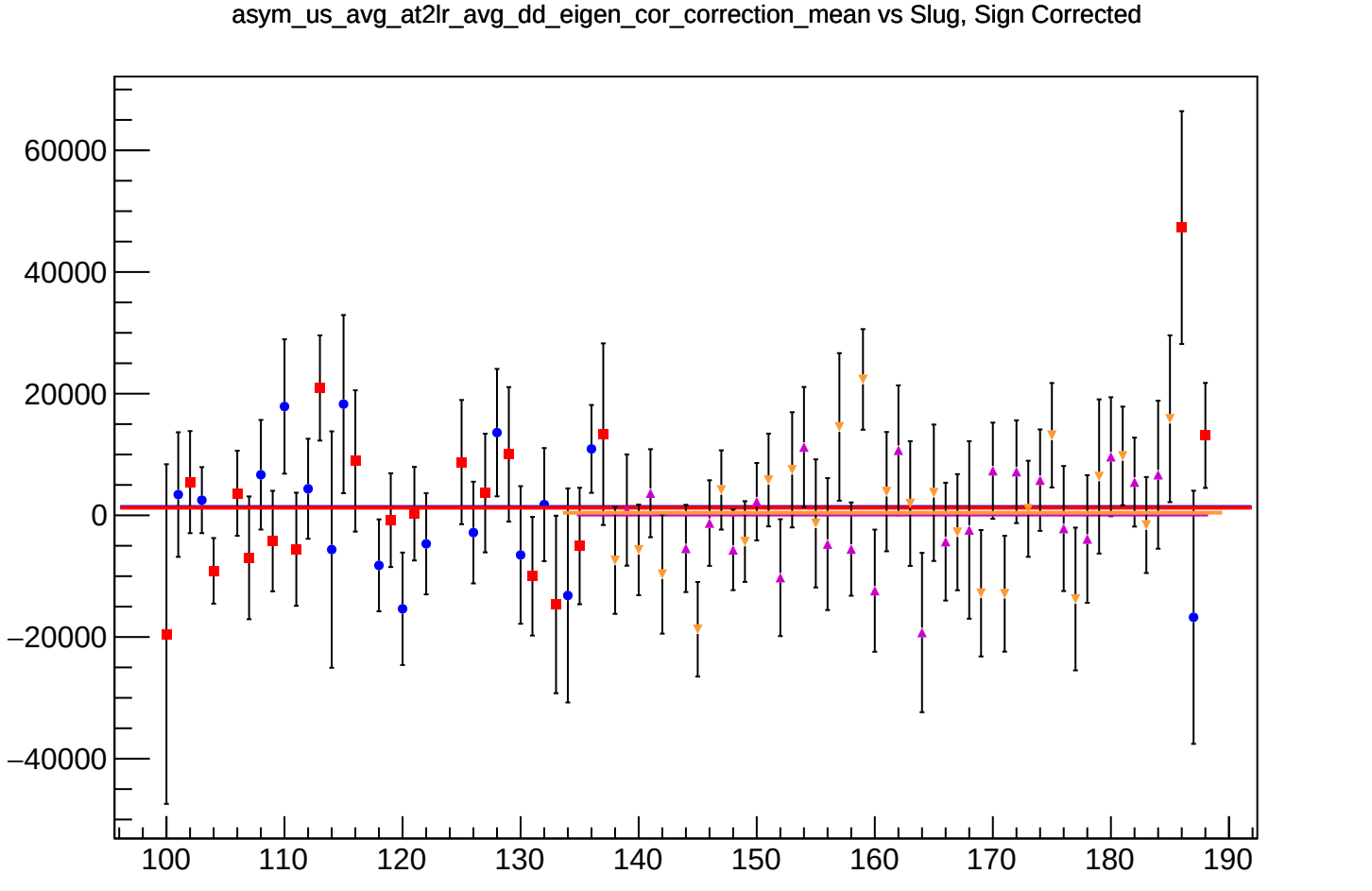
Left: 1595.780+/-0.186 χ^2/NDF: 356926.4/46

Right: 1470.998+/-0.265 χ^2/NDF: 1035734.9/36

In: 1556.341+/-0.219 χ^2/NDF:834245.3/39

Out: 1552.940+/-0.213 χ^2/NDF:706494.4/43

All: 1554.593+/-0.152 χ^2/NDF: 1540864.1/83



Right In: 1373.954+/-2250.971 χ^2/NDF: 15.0/16

Left Out: 426.702+/-1819.879 χ^2/NDF:29.4/23

Right Out: 1257.072+/-2058.723 χ^2/NDF: 24.5/19

Left In: 126.376+/-1814.828 χ^2/NDF:13.9/22

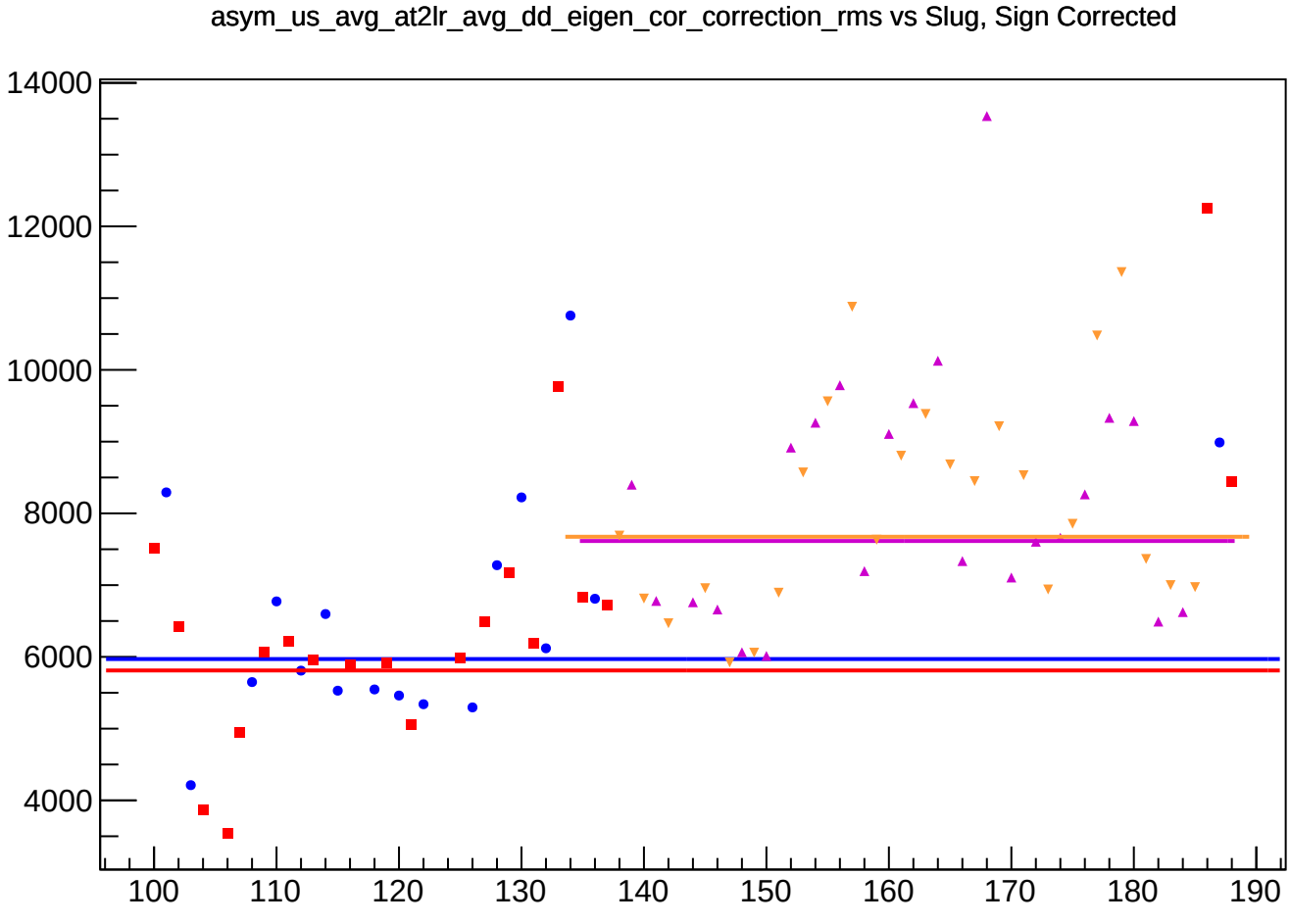
Left: 276.121+/-1285.059 χ^2/NDF: 43.3/46

Right: 1310.309+/-1519.164 χ^2/NDF: 39.5/36

In: 617.858+/-1412.830 χ^2/NDF:29.0/39

Out: 790.946+/-1363.510 χ^2/NDF:54.0/43

All: 707.476+/-981.120 χ^2/NDF: 83.0/83



Right In: 5969.956+/-1.592 χ^2/NDF: 695674.4/16

Left Out: 7674.063+/-1.287 χ^2/NDF:1076712.6/23

Right Out: 5810.712+/-1.456 χ^2/NDF: 1162956.9/19

Left In: 7614.964+/-1.283 χ^2/NDF:1224525.6/22

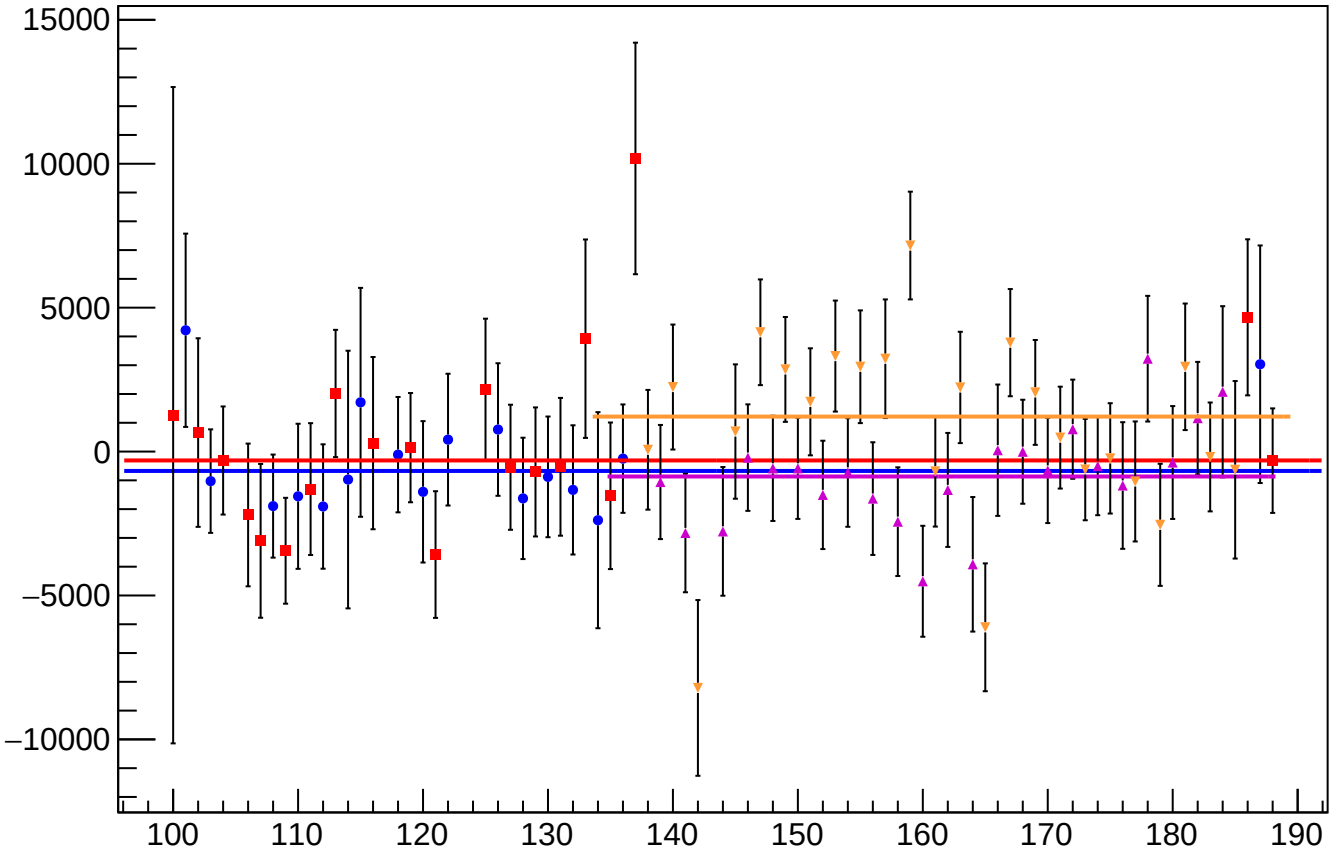
Left: 7644.431+/-0.909 χ^2/NDF: 2302295.7/46

Right: 5883.244+/-1.074 χ^2/NDF: 1864081.7/36

In: 6966.914+/-0.999 χ^2/NDF:2567544.7/39

Out: 6856.699+/-0.964 χ^2/NDF:3159388.0/43

All: 6909.849+/-0.694 χ^2/NDF: 5733234.4/83



Right In: -673.180+/-572.482 χ^2/NDF: 5.6/16

Left Out: 1215.353+/-409.584 χ^2/NDF:48.5/23

Right Out: -308.282+/-537.383 χ^2/NDF: 21.2/19

Left In: -866.022+/-410.038 χ^2/NDF:15.1/22

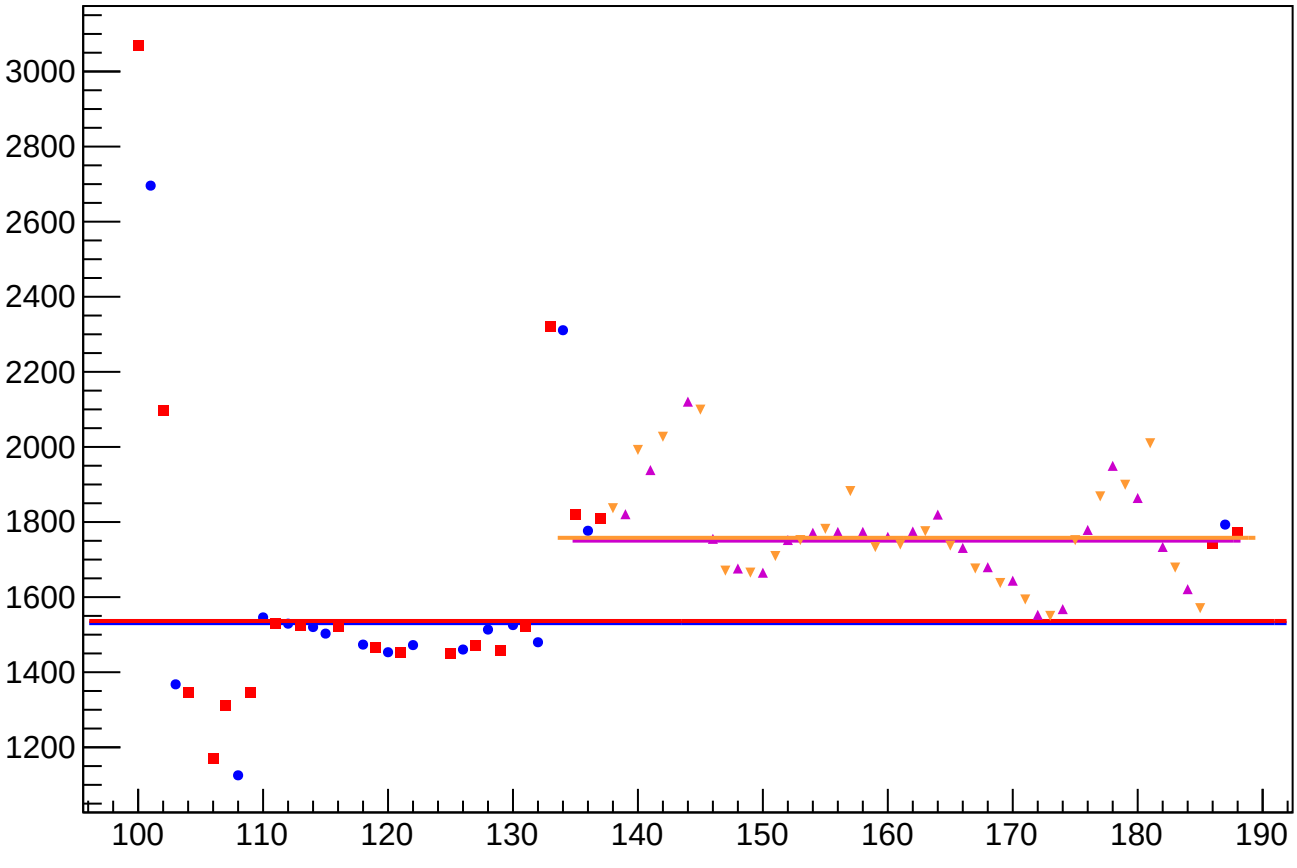
Left: 175.818+/-289.780 χ^2/NDF: 76.5/46

Right: -479.203+/-391.808 χ^2/NDF: 27.0/36

In: -800.636+/-333.352 χ^2/NDF:20.8/39

Out: 655.480+/-325.753 χ^2/NDF:74.8/43

All: -55.790+/-232.982 χ^2/NDF: 105.3/83



Right In: 1530.686+/-0.405 χ^2/NDF: 496578.6/16

Left Out: 1757.965+/-0.290 χ^2/NDF:213284.1/23

Right Out: 1536.469+/-0.380 χ^2/NDF: 390711.5/19

Left In: 1750.477+/-0.290 χ^2/NDF:171889.4/22

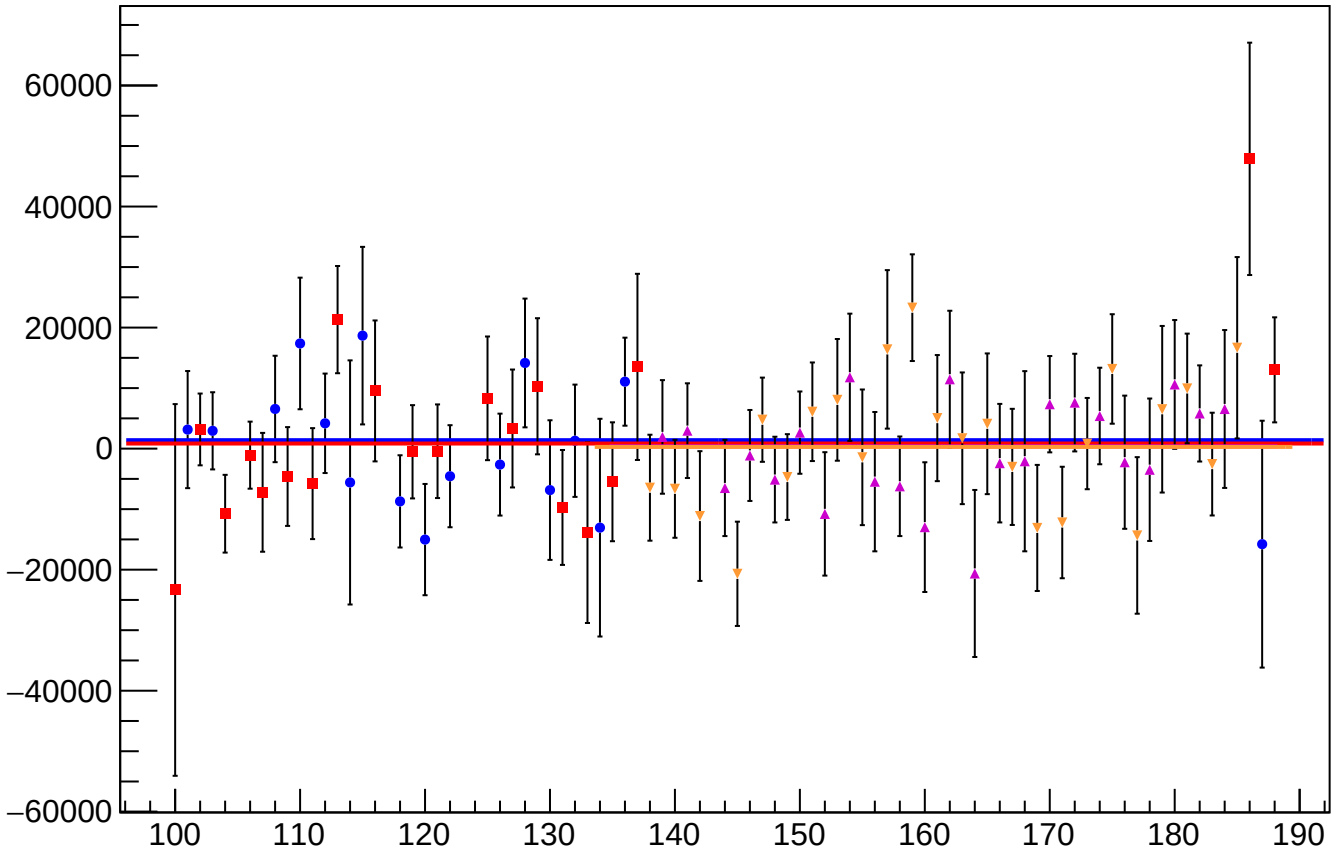
Left: 1754.225+/-0.205 χ^2/NDF: 385507.3/46

Right: 1533.761+/-0.277 χ^2/NDF: 887398.6/36

In: 1675.953+/-0.236 χ^2/NDF:863310.6/39

Out: 1676.548+/-0.230 χ^2/NDF:818989.0/43

All: 1676.258+/-0.165 χ^2/NDF: 1682302.8/83



Right In: 1397.720+/-2305.166 χ^2/NDF: 15.0/16

Left Out: 284.925+/-1920.134 χ^2/NDF:28.7/23

Right Out: 842.759+/-1994.253 χ^2/NDF: 24.3/19

Left In: 382.660+/-1912.385 χ^2/NDF:13.6/22

Left: 333.990+/-1354.992 χ^2/NDF: 42.3/46

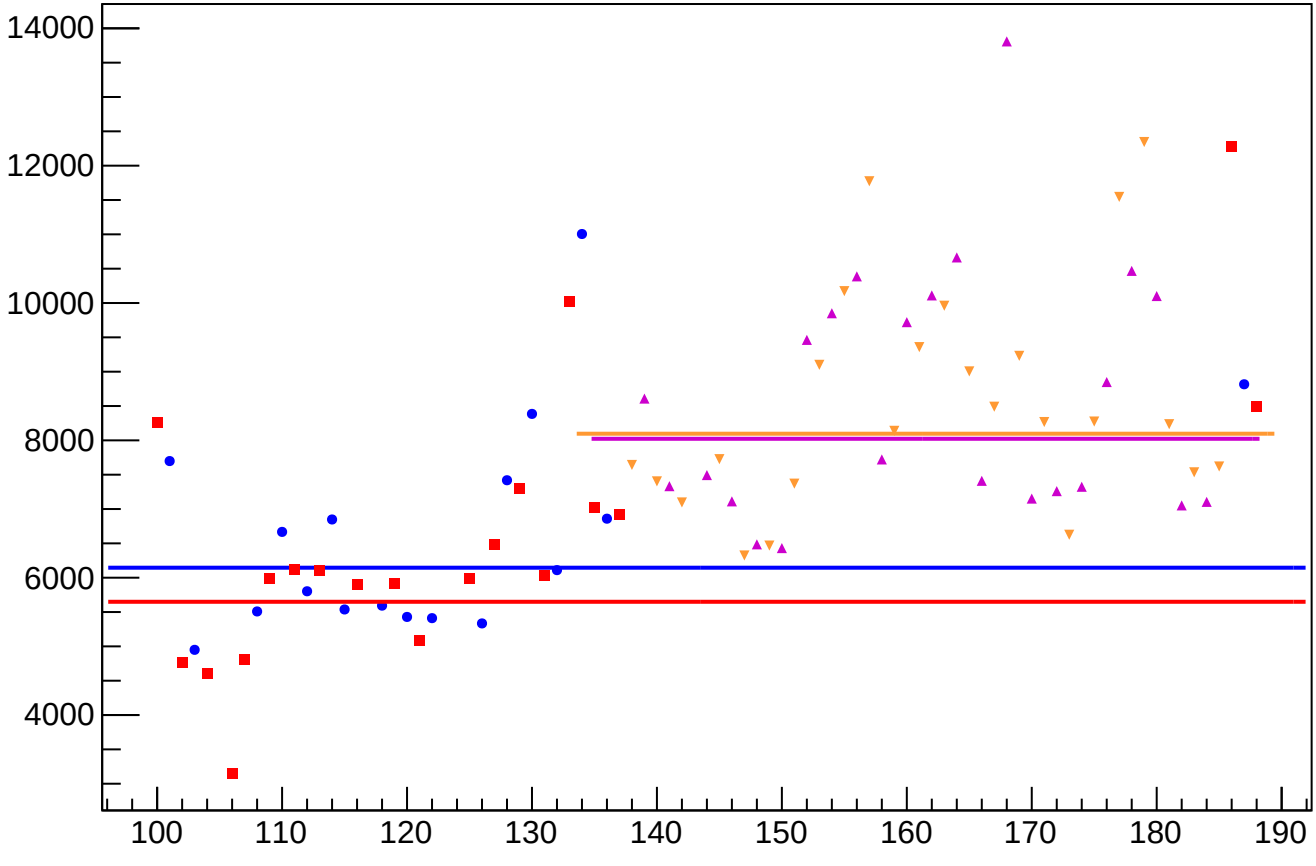
Right: 1080.316+/-1508.186 χ^2/NDF: 39.3/36

In: 796.470+/-1471.828 χ^2/NDF:28.7/39

Out: 553.283+/-1383.201 χ^2/NDF:53.0/43

All: 667.335+/-1007.947 χ^2/NDF: 81.7/83

asym_us_avg_at2lr_avg_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 6145.600+/-1.630 χ^2/NDF: 506409.3/16

Left Out: 8096.821+/-1.358 χ^2/NDF:1087790.8/23

Right Out: 5649.348+/-1.410 χ^2/NDF: 1302344.1/19

Left In: 8022.726+/-1.352 χ^2/NDF:1225549.2/22

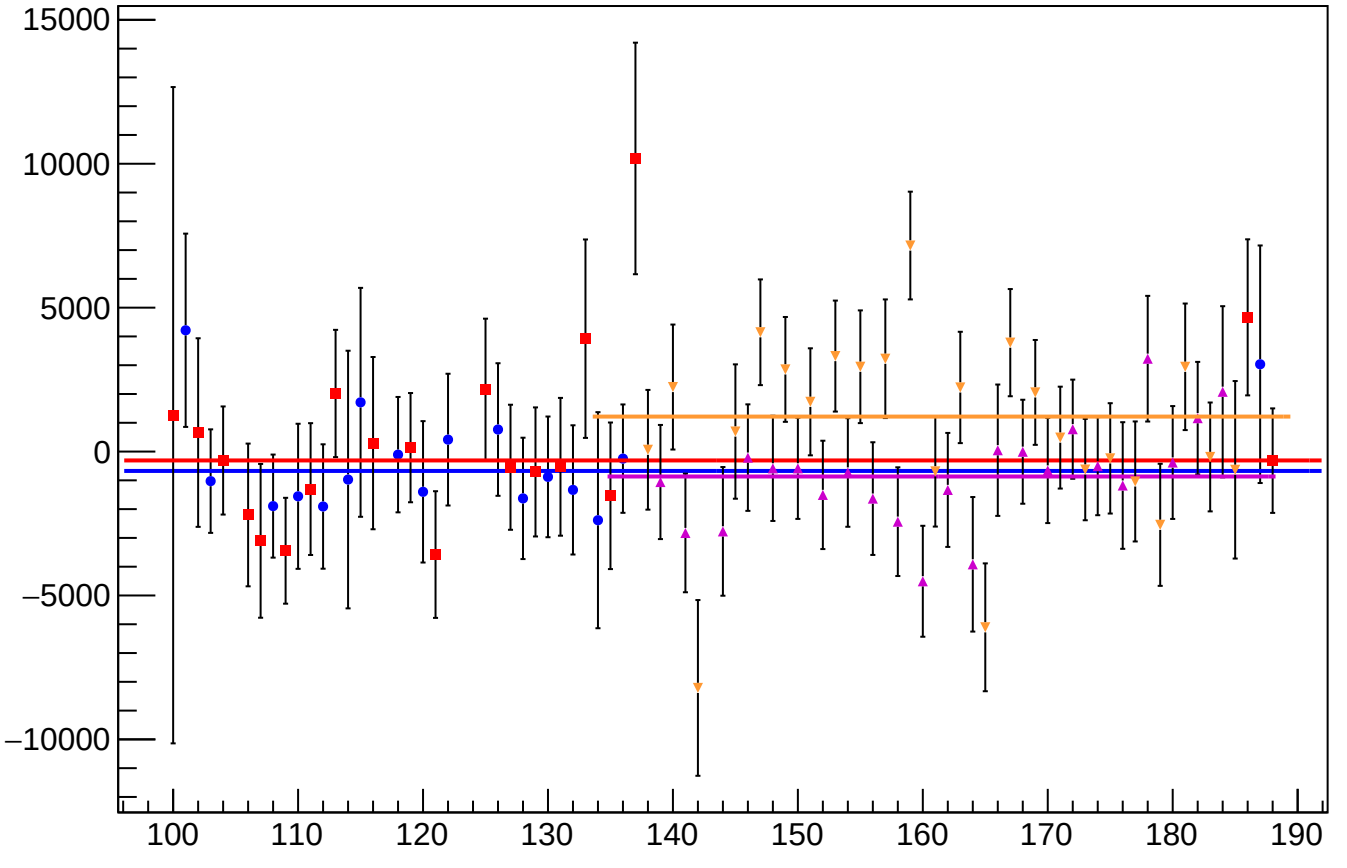
Left: 8059.624+/-0.958 χ^2/NDF: 2314835.1/46

Right: 5861.774+/-1.066 χ^2/NDF: 1861766.2/36

In: 7257.477+/-1.041 χ^2/NDF:2517511.9/39

Out: 6919.410+/-0.978 χ^2/NDF:3953328.1/43

All: 7077.959+/-0.713 χ^2/NDF: 6526870.6/83



Right In: -673.186+/-572.482 χ^2/NDF: 5.6/16

Left Out: 1215.361+/-409.585 χ^2/NDF:48.5/23

Right Out: -308.294+/-537.383 χ^2/NDF: 21.2/19

Left In: -866.021+/-410.039 χ^2/NDF:15.1/22

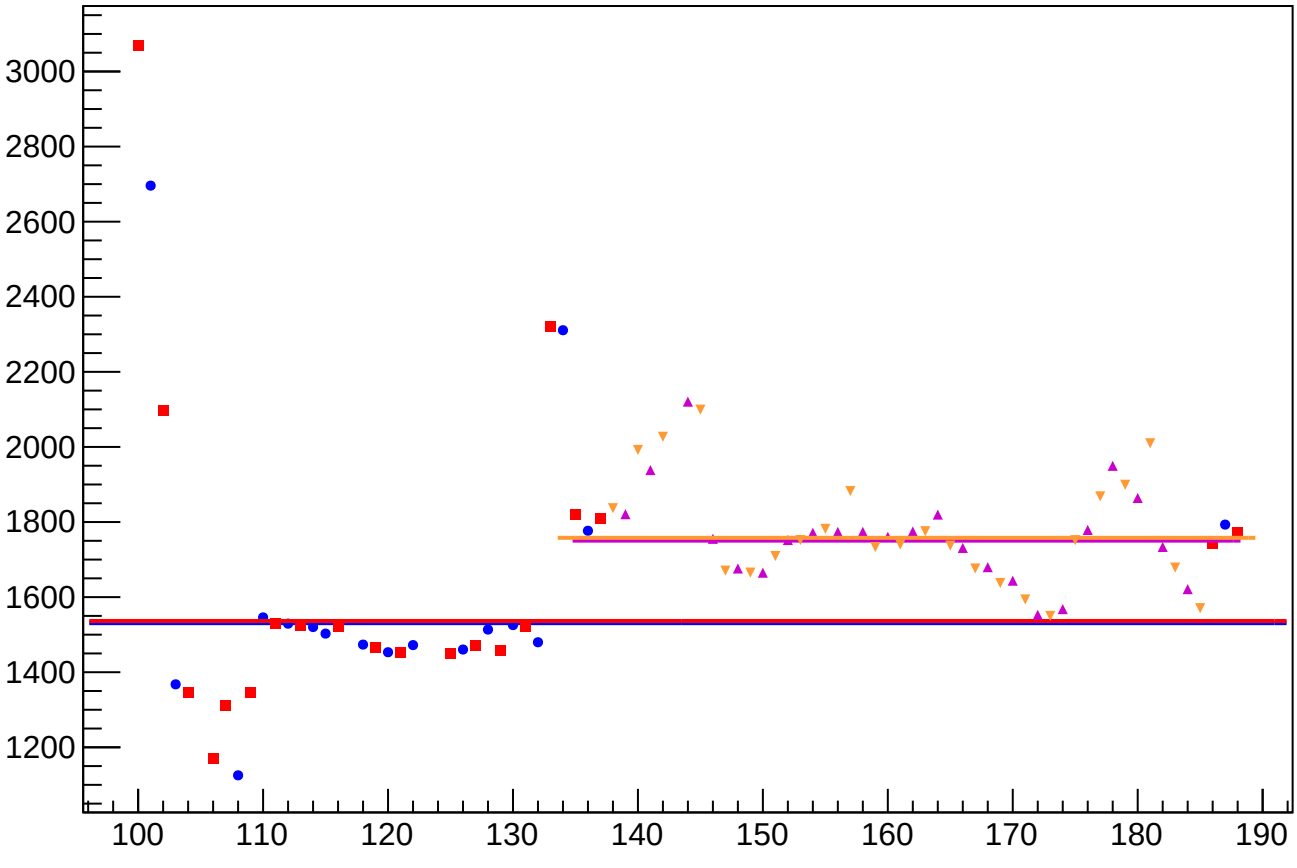
Left: 175.823+/-289.781 χ^2/NDF: 76.5/46

Right: -479.212+/-391.808 χ^2/NDF: 27.0/36

In: -800.637+/-333.353 χ^2/NDF:20.8/39

Out: 655.480+/-325.753 χ^2/NDF:74.8/43

All: -55.791+/-232.983 χ^2/NDF: 105.3/83



Right In: 1530.686+/-0.405 χ^2/NDF: 496578.0/16

Left Out: 1757.968+/-0.290 χ^2/NDF:213292.2/23

Right Out: 1536.469+/-0.380 χ^2/NDF: 390711.6/19

Left In: 1750.480+/-0.290 χ^2/NDF:171897.3/22

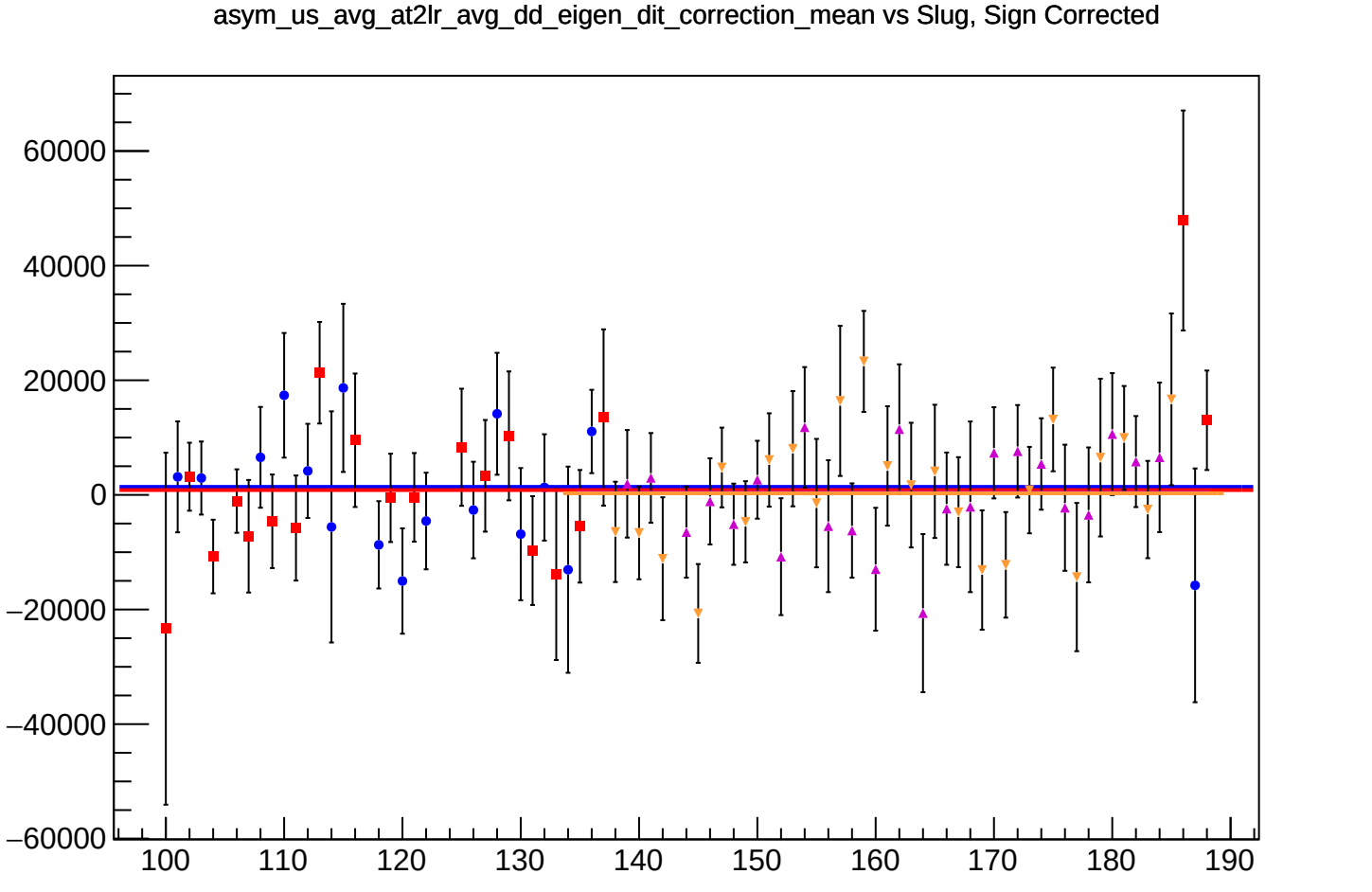
Left: 1754.228+/-0.205 χ^2/NDF: 385523.3/46

Right: 1533.761+/-0.277 χ^2/NDF: 887398.2/36

In: 1675.955+/-0.236 χ^2/NDF:863322.9/39

Out: 1676.550+/-0.230 χ^2/NDF:819002.1/43

All: 1676.259+/-0.165 χ^2/NDF: 1682328.2/83



Right In: 1397.701+/-2305.161 χ^2/NDF: 15.0/16

Left Out: 284.927+/-1920.138 χ^2/NDF:28.7/23

Right Out: 842.748+/-1994.249 χ^2/NDF: 24.3/19

Left In: 382.663+/-1912.388 χ^2/NDF:13.6/22

Left: 333.993+/-1354.994 χ^2/NDF: 42.3/46

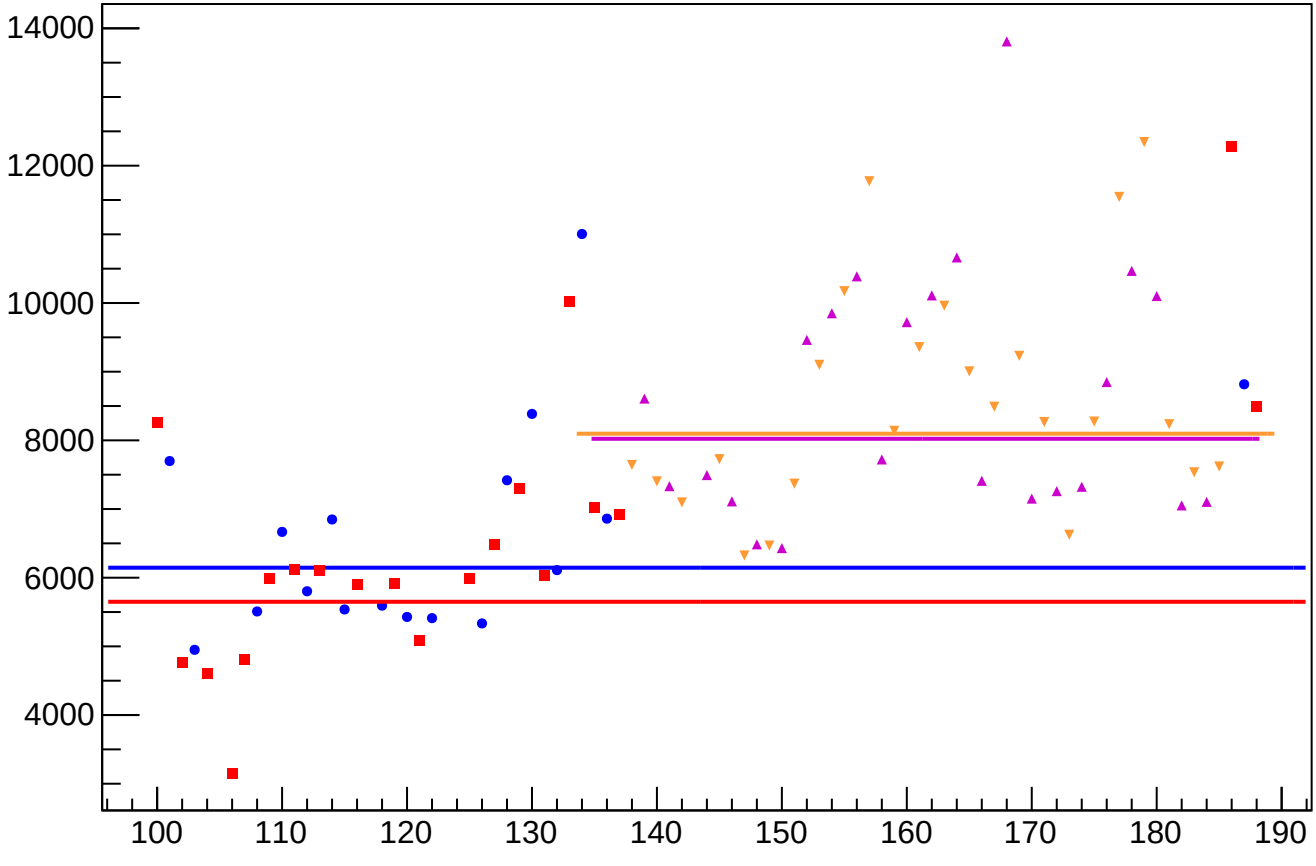
Right: 1080.302+/-1508.183 χ^2/NDF: 39.3/36

In: 796.467+/-1471.828 χ^2/NDF:28.7/39

Out: 553.280+/-1383.201 χ^2/NDF:53.0/43

All: 667.331+/-1007.947 χ^2/NDF: 81.7/83

asym_us_avg_at2lr_avg_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 6145.587+/-1.630 χ^2/NDF: 506412.2/16

Left Out: 8096.833+/-1.358 χ^2/NDF:1087793.4/23

Right Out: 5649.337+/-1.410 χ^2/NDF: 1302348.0/19

Left In: 8022.738+/-1.352 χ^2/NDF:1225553.6/22

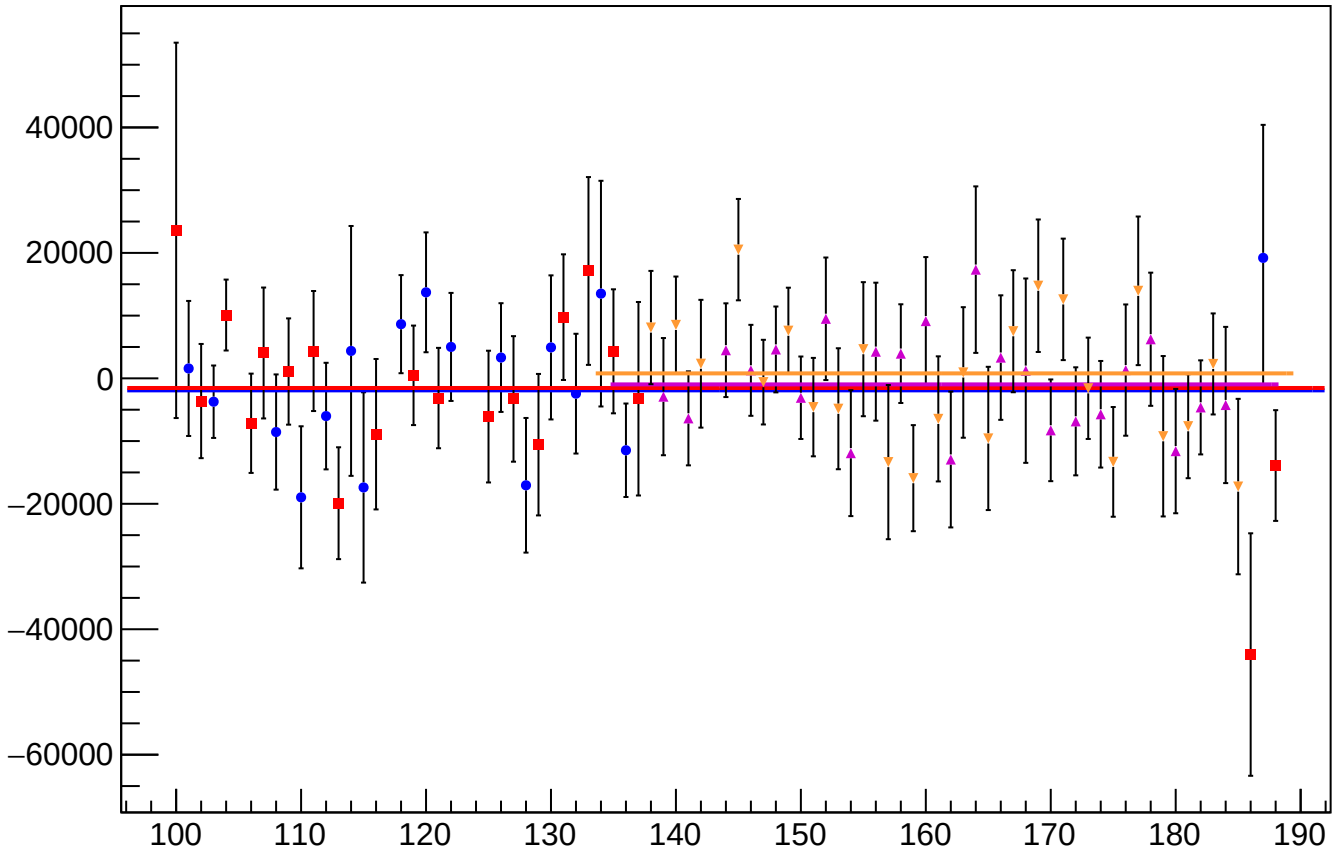
Left: 8059.636+/-0.958 χ^2/NDF: 2314842.1/46

Right: 5861.762+/-1.066 χ^2/NDF: 1861772.7/36

In: 7257.475+/-1.041 χ^2/NDF:2517541.0/39

Out: 6919.407+/-0.978 χ^2/NDF:3953365.3/43

All: 7077.957+/-0.713 χ^2/NDF: 6526937.3/83



Right In: -1915.230+/-2333.410 χ^2/NDF: 15.6/16

Left Out: 791.264+/-1865.111 χ^2/NDF:27.2/23

Right Out: -1536.712+/-2147.681 χ^2/NDF: 21.8/19

Left In: -963.967+/-1859.926 χ^2/NDF:12.8/22

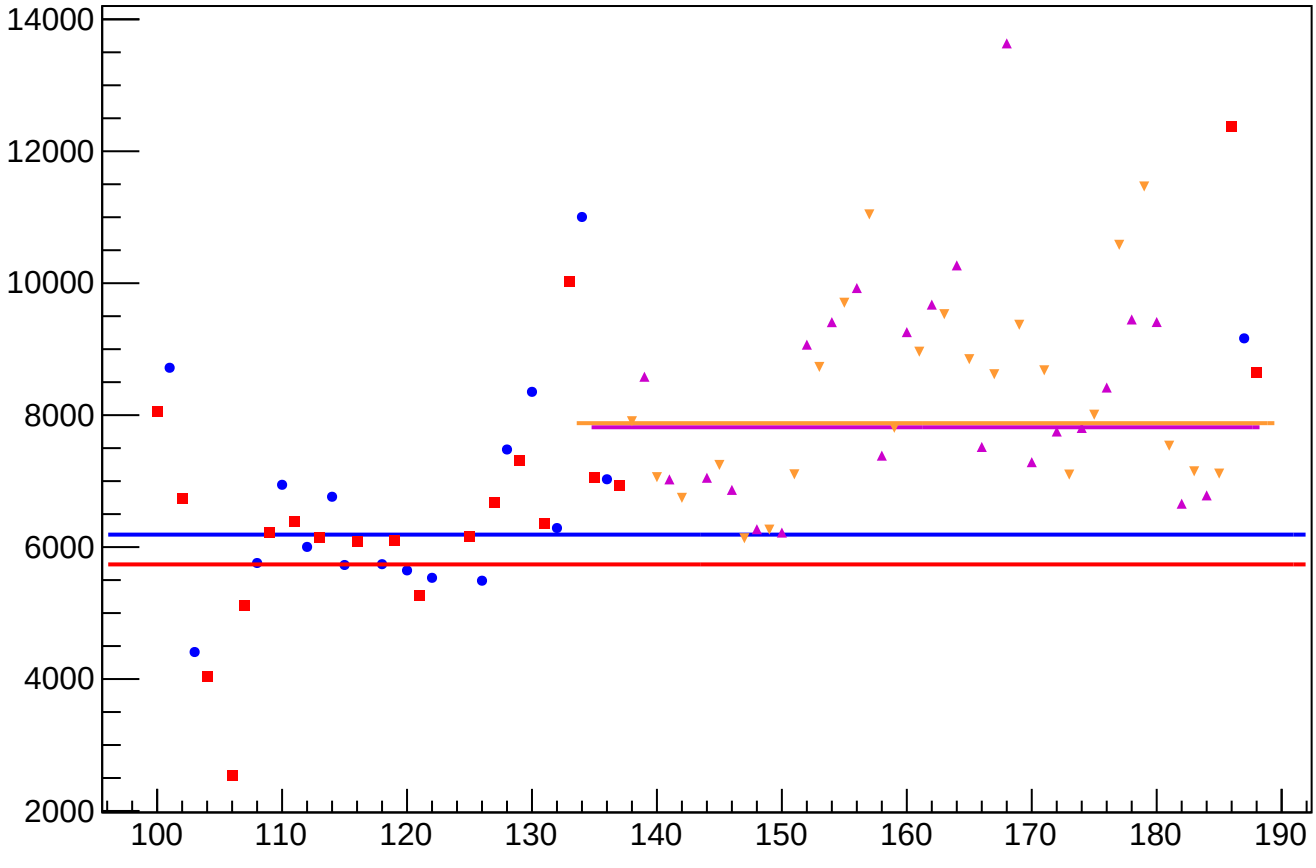
Left: -88.795+/-1316.995 χ^2/NDF: 40.4/46

Right: -1710.309+/-1580.227 χ^2/NDF: 37.4/36

In: -1333.540+/-1454.424 χ^2/NDF:28.5/39

Out: -209.603+/-1408.214 χ^2/NDF:49.7/43

All: -753.433+/-1011.700 χ^2/NDF: 78.5/83



Right In: 6189.146+/-1.650 χ^2/NDF: 663865.8/16

Left Out: 7878.482+/-1.319 χ^2/NDF:990058.5/23

Right Out: 5737.505+/-1.468 χ^2/NDF: 1629302.7/19

Left In: 7816.447+/-1.315 χ^2/NDF:1132368.2/22

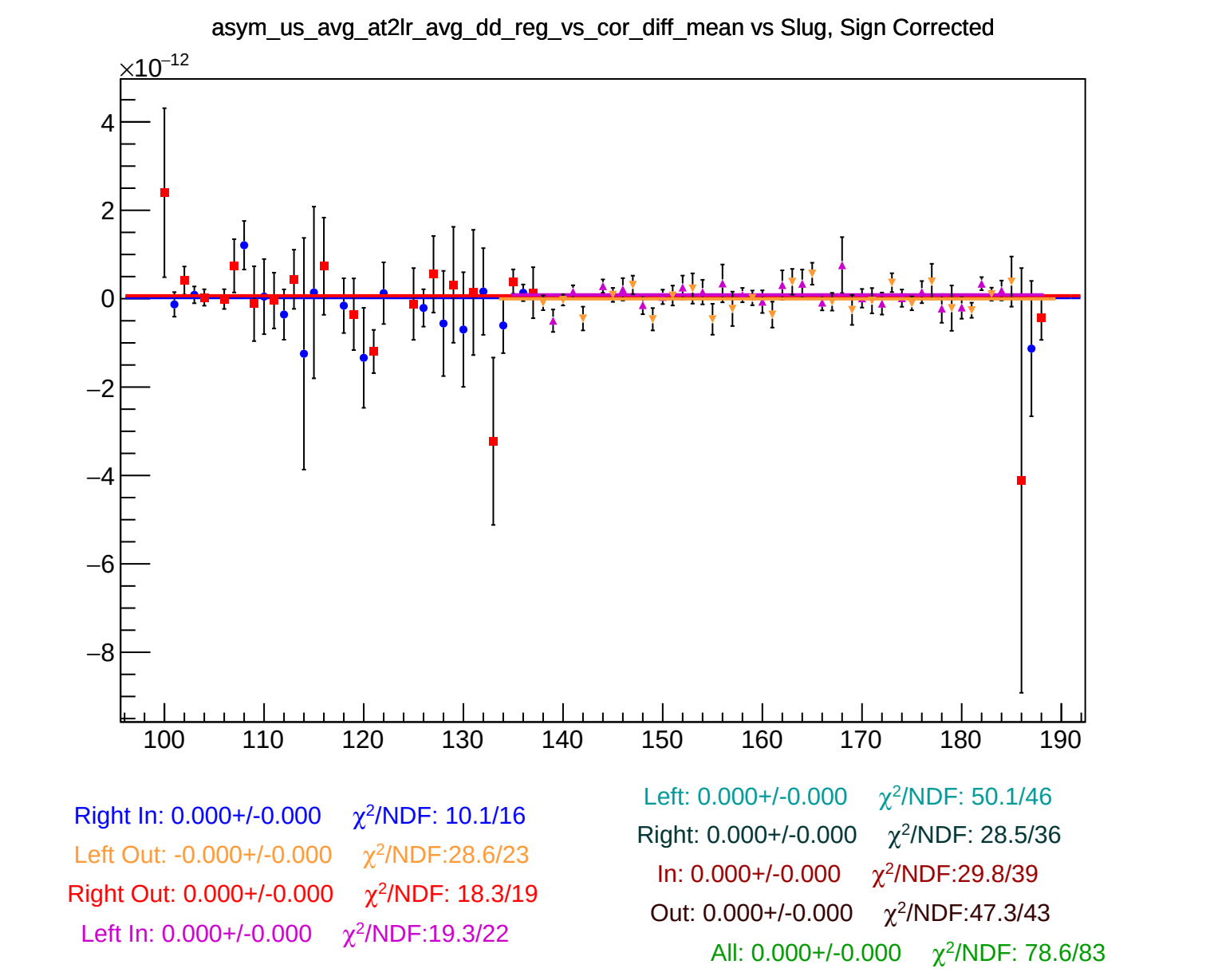
Left: 7847.378+/-0.931 χ^2/NDF: 2123536.1/46

Right: 5937.029+/-1.097 χ^2/NDF: 2334994.7/36

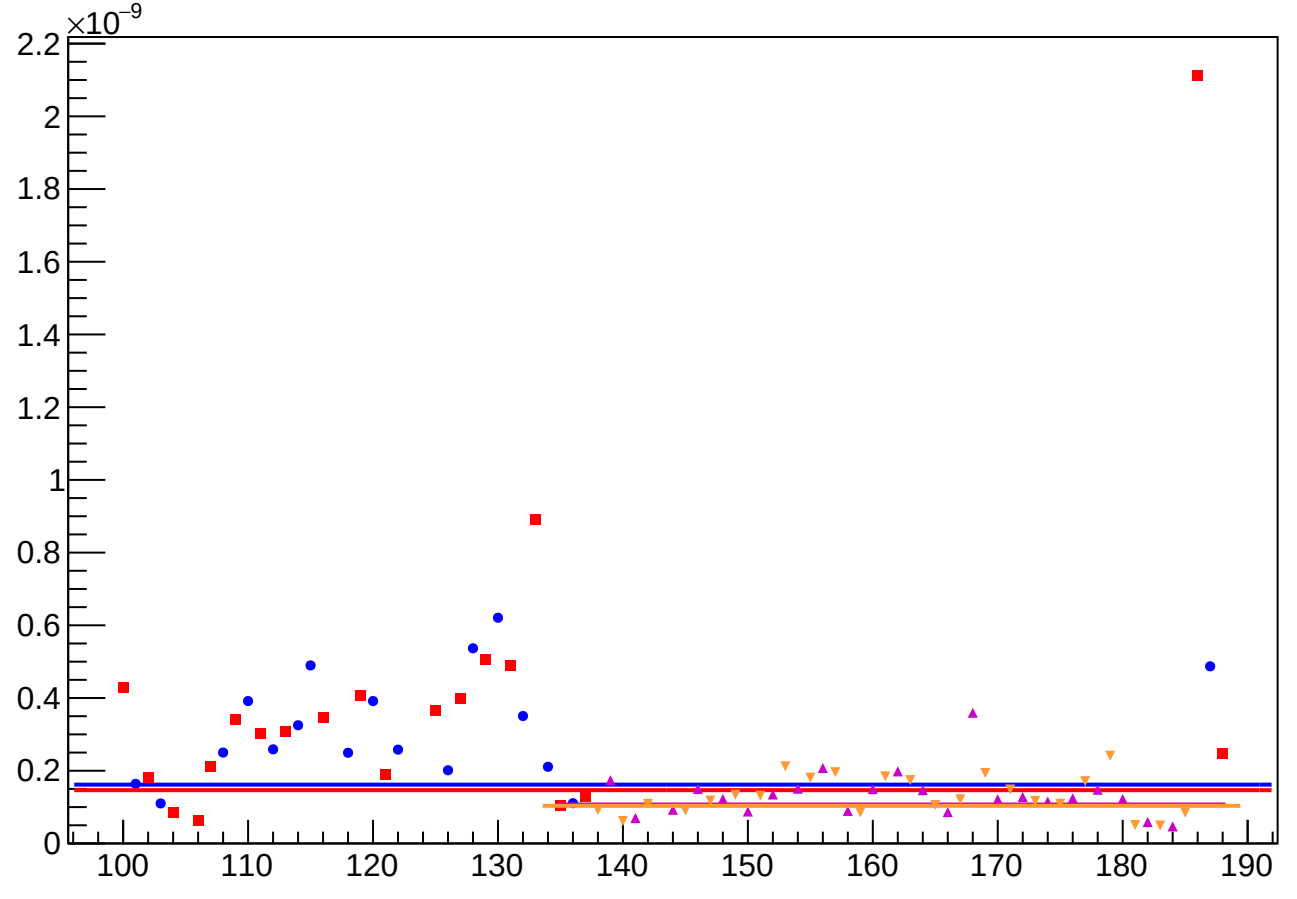
In: 7184.223+/-1.028 χ^2/NDF:2391043.3/39

Out: 6922.127+/-0.981 χ^2/NDF:3796565.0/43

All: 7046.994+/-0.710 χ^2/NDF: 6221614.5/83


asym_us_avg_at2lr_avg_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
4
2
0
−2
−4
−6
−8
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 10.1/16
Left Out: -0.000+/-0.000 χ²/NDF:28.6/23
Right Out: 0.000+/-0.000 χ²/NDF: 18.3/19
Left In: 0.000+/-0.000 χ²/NDF:19.3/22
Left: 0.000+/-0.000 χ²/NDF: 50.1/46
Right: 0.000+/-0.000 χ²/NDF: 28.5/36
In: 0.000+/-0.000 χ²/NDF:29.8/39
Out: 0.000+/-0.000 χ²/NDF:47.3/43
All: 0.000+/-0.000 χ²/NDF: 78.6/83

asym_us_avg_at2lr_avg_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1420349.8/16

Left Out: 0.000+/-0.000 χ^2/NDF:1905146.0/23

Right Out: 0.000+/-0.000 χ^2/NDF: 2588078.3/19

Left In: 0.000+/-0.000 χ^2/NDF:1596017.6/22

Left: 0.000+/-0.000 χ^2/NDF: 3508045.7/46

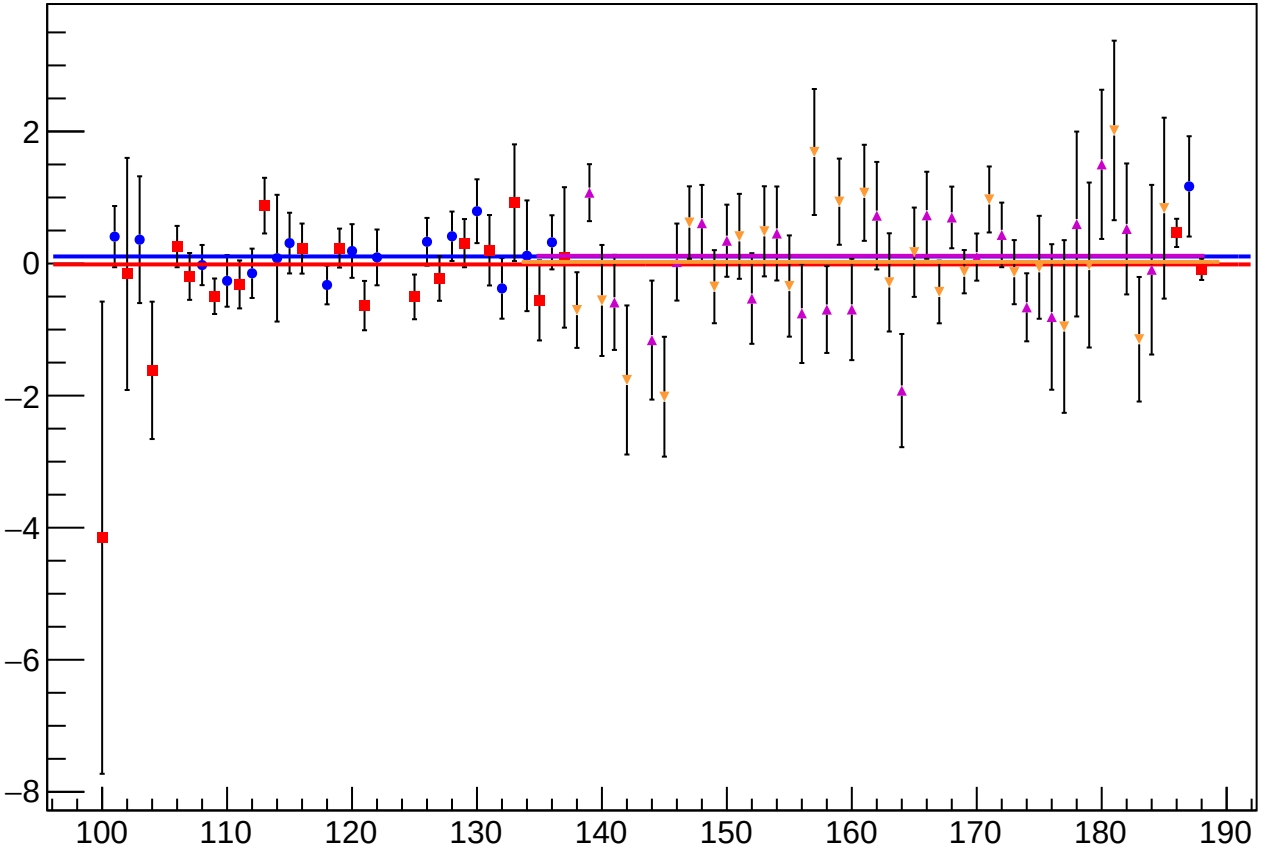
Right: 0.000+/-0.000 χ^2/NDF: 4030784.7/36

In: 0.000+/-0.000 χ^2/NDF:3484457.5/39

Out: 0.000+/-0.000 χ^2/NDF:4801390.1/43

All: 0.000+/-0.000 χ^2/NDF: 8303637.7/83

asym_us_avg_at2lr_avg_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.107+/-0.104 χ^2/NDF: 10.8/16

Left Out: 0.025+/-0.134 χ^2/NDF:29.1/23

Right Out: -0.013+/-0.078 χ^2/NDF: 27.6/19

Left In: 0.117+/-0.132 χ^2/NDF:27.8/22

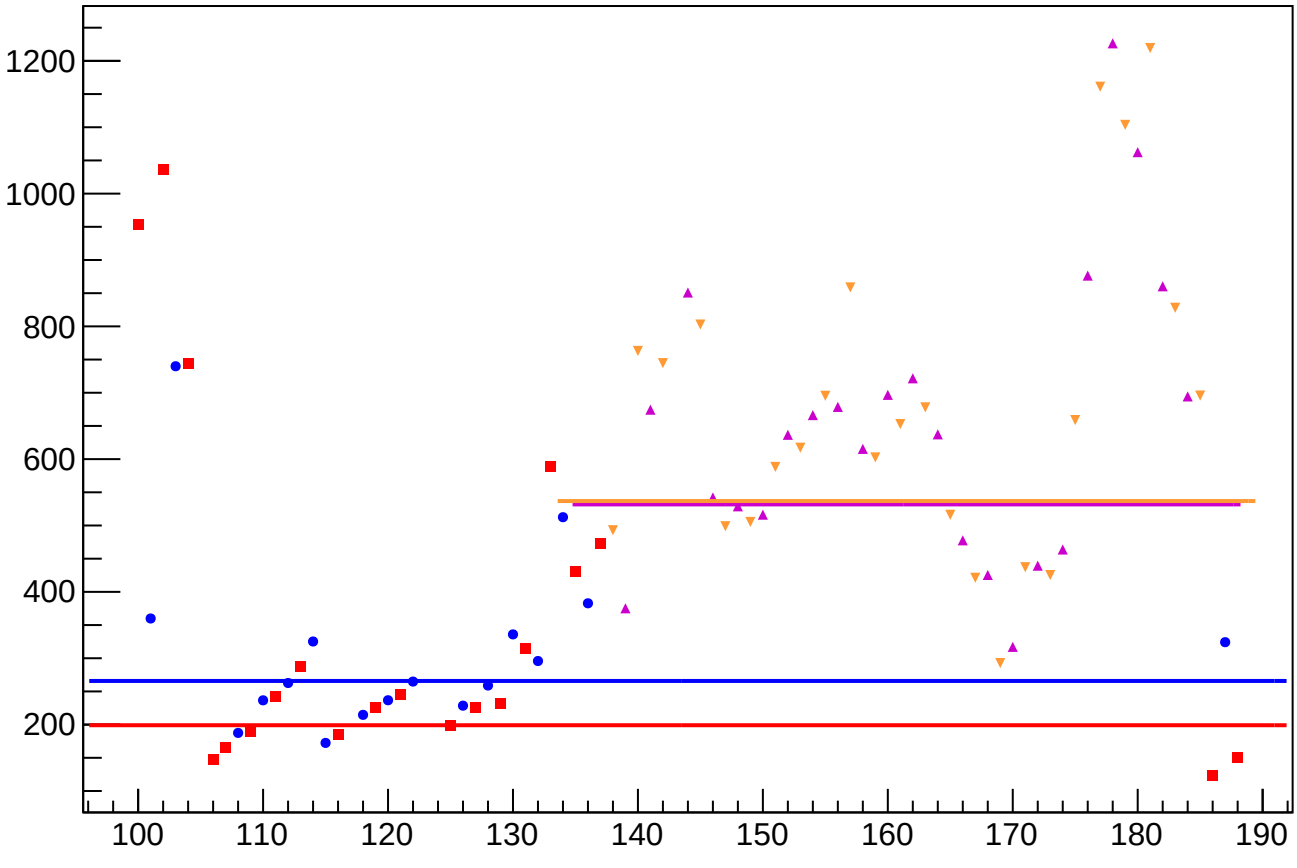
Left: 0.071+/-0.094 χ^2/NDF: 57.1/46

Right: 0.030+/-0.062 χ^2/NDF: 39.3/36

In: 0.111+/-0.082 χ^2/NDF:38.6/39

Out: -0.004+/-0.067 χ^2/NDF:56.7/43

All: 0.042+/-0.052 χ^2/NDF: 96.5/83



Right In: 265.786+/-0.074 χ^2/NDF: 1296069.4/16

Left Out: 536.821+/-0.095 χ^2/NDF:3963242.1/23

Right Out: 199.082+/-0.055 χ^2/NDF: 2705051.3/19

Left In: 531.769+/-0.094 χ^2/NDF:3381209.0/22

Left: 534.267+/-0.067 χ^2/NDF: 7345889.1/46

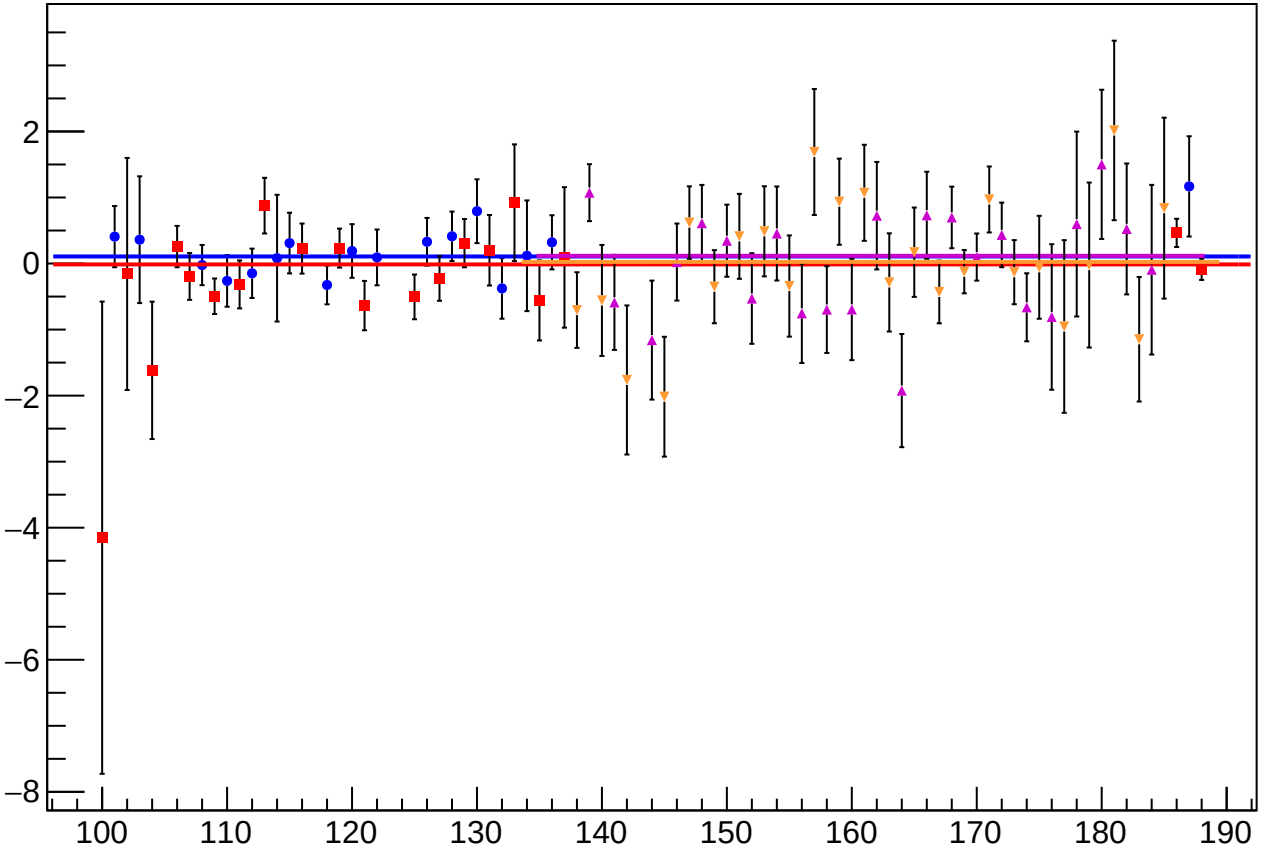
Right: 222.923+/-0.044 χ^2/NDF: 4528930.0/36

In: 367.323+/-0.058 χ^2/NDF:9662926.4/39

Out: 283.972+/-0.047 χ^2/NDF:16184276.8/43

All: 317.517+/-0.037 χ^2/NDF: 27086739.4/83

asym_us_avg_at2lr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.107+/-0.104 χ^2/NDF: 10.8/16

Left Out: 0.025+/-0.134 χ^2/NDF:29.1/23

Right Out: -0.013+/-0.078 χ^2/NDF: 27.6/19

Left In: 0.117+/-0.132 χ^2/NDF:27.8/22

Left: 0.071+/-0.094 χ^2/NDF: 57.1/46

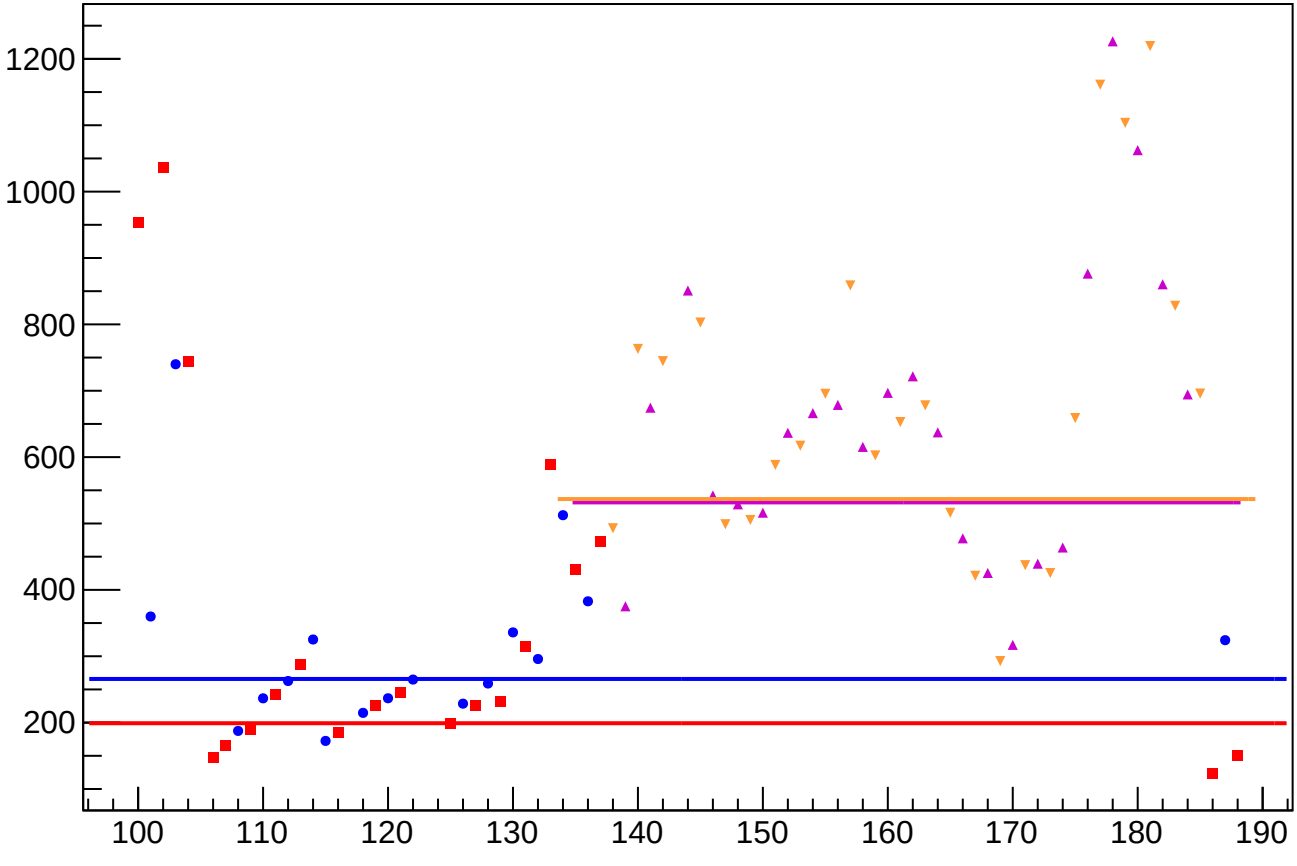
Right: 0.030+/-0.062 χ^2/NDF: 39.3/36

In: 0.111+/-0.082 χ^2/NDF:38.6/39

Out: -0.004+/-0.067 χ^2/NDF:56.7/43

All: 0.042+/-0.052 χ^2/NDF: 96.5/83

asym_us_avg_at2lr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 265.786+/-0.074 χ^2/NDF: 1296069.4/16

Left Out: 536.821+/-0.095 χ^2/NDF:3963242.1/23

Right Out: 199.082+/-0.055 χ^2/NDF: 2705051.3/19

Left In: 531.769+/-0.094 χ^2/NDF:3381209.0/22

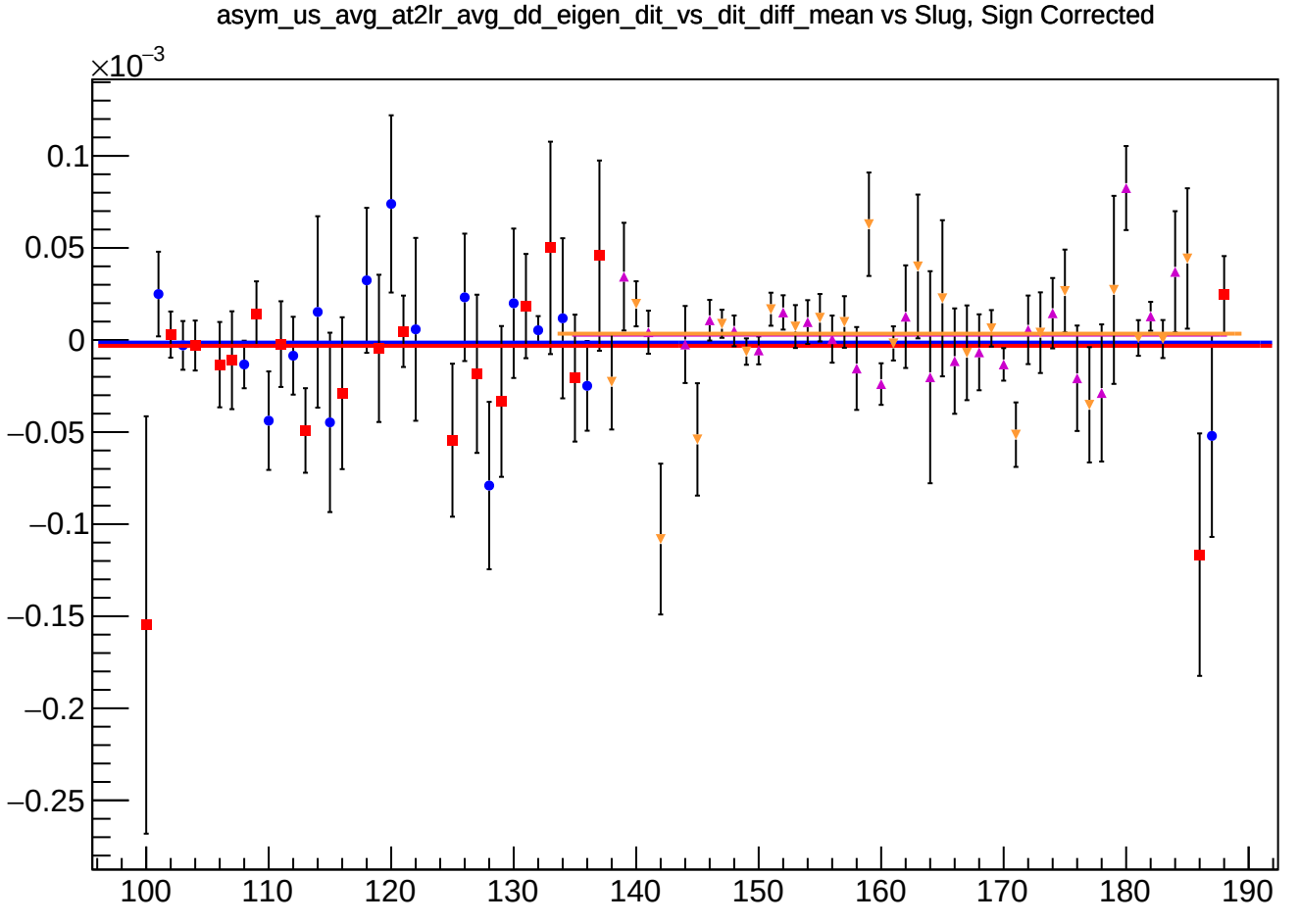
Left: 534.267+/-0.067 χ^2/NDF: 7345889.1/46

Right: 222.923+/-0.044 χ^2/NDF: 4528930.0/36

In: 367.323+/-0.058 χ^2/NDF:9662926.4/39

Out: 283.972+/-0.047 χ^2/NDF:16184276.8/43

All: 317.517+/-0.037 χ^2/NDF: 27086739.4/83



Right In: -0.000+/-0.000 χ^2/NDF: 15.2/16

Left Out: 0.000+/-0.000 χ^2/NDF:39.1/23

Right Out: -0.000+/-0.000 χ^2/NDF: 17.3/19

Left In: 0.000+/-0.000 χ^2/NDF:32.2/22

Left: 0.000+/-0.000 χ^2/NDF: 71.3/46

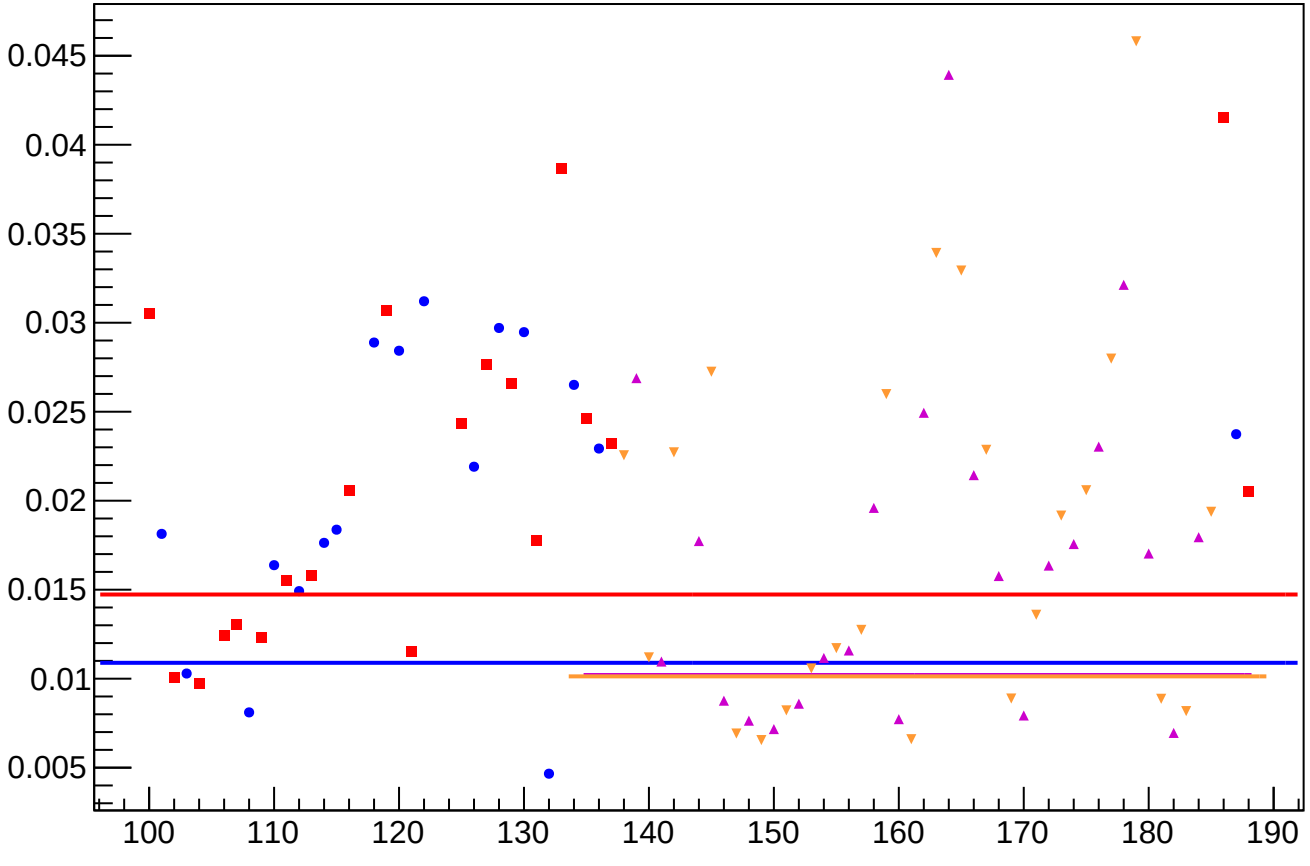
Right: -0.000+/-0.000 χ^2/NDF: 32.6/36

In: 0.000+/-0.000 χ^2/NDF:48.0/39

Out: 0.000+/-0.000 χ^2/NDF:57.5/43

All: 0.000+/-0.000 χ^2/NDF: 105.5/83

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.011+/-0.000 χ^2/NDF: 4690594.5/16

Left Out: 0.010+/-0.000 χ^2/NDF:7812047.6/23

Right Out: 0.015+/-0.000 χ^2/NDF: 2593787.5/19

Left In: 0.010+/-0.000 χ^2/NDF:6075883.8/22

Left: 0.010+/-0.000 χ^2/NDF: 13888720.1/46

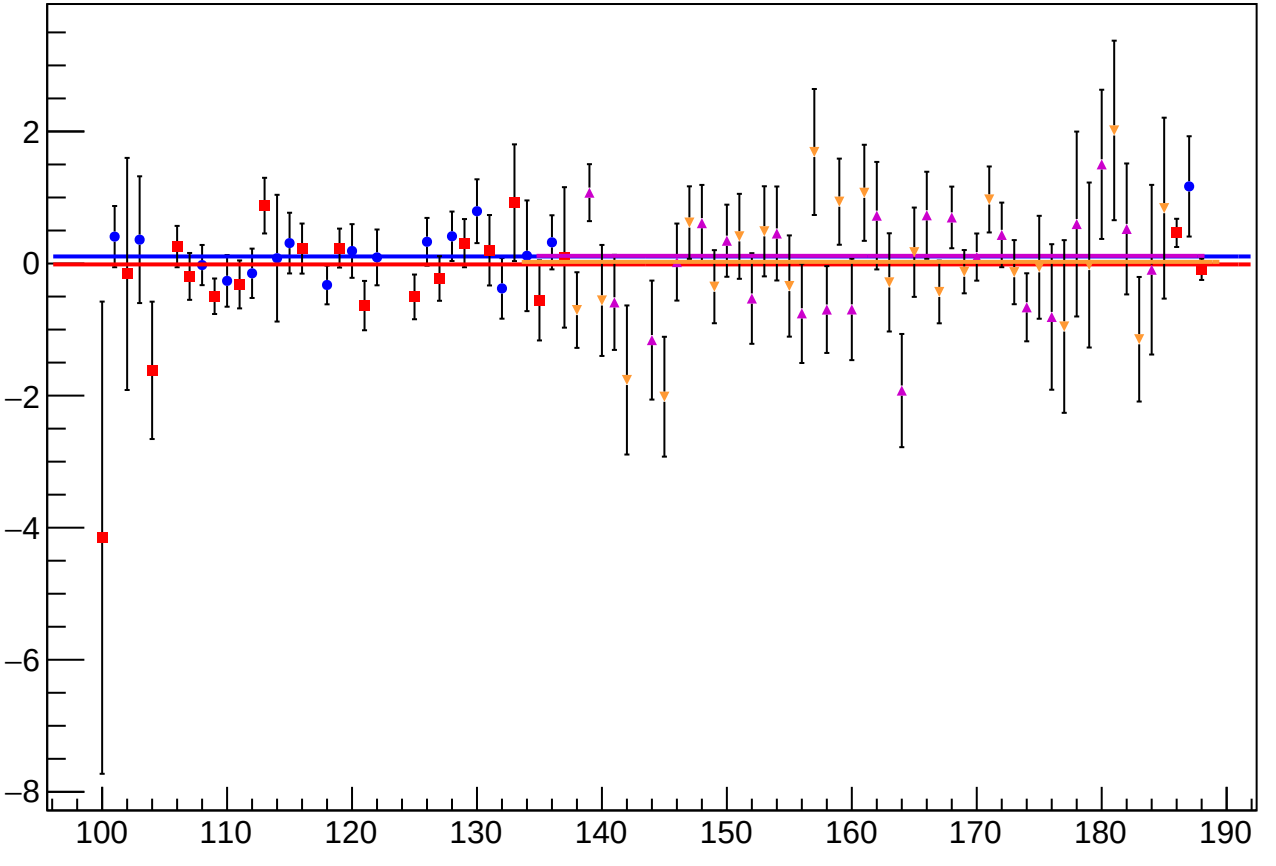
Right: 0.013+/-0.000 χ^2/NDF: 7822367.7/36

In: 0.010+/-0.000 χ^2/NDF:10795664.3/39

Out: 0.011+/-0.000 χ^2/NDF:11523250.6/43

All: 0.011+/-0.000 χ^2/NDF: 22395178.5/83

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.107+/-0.104 χ^2/NDF: 10.8/16

Left Out: 0.025+/-0.134 χ^2/NDF:29.1/23

Right Out: -0.013+/-0.078 χ^2/NDF: 27.6/19

Left In: 0.117+/-0.132 χ^2/NDF:27.8/22

Left: 0.071+/-0.094 χ^2/NDF: 57.1/46

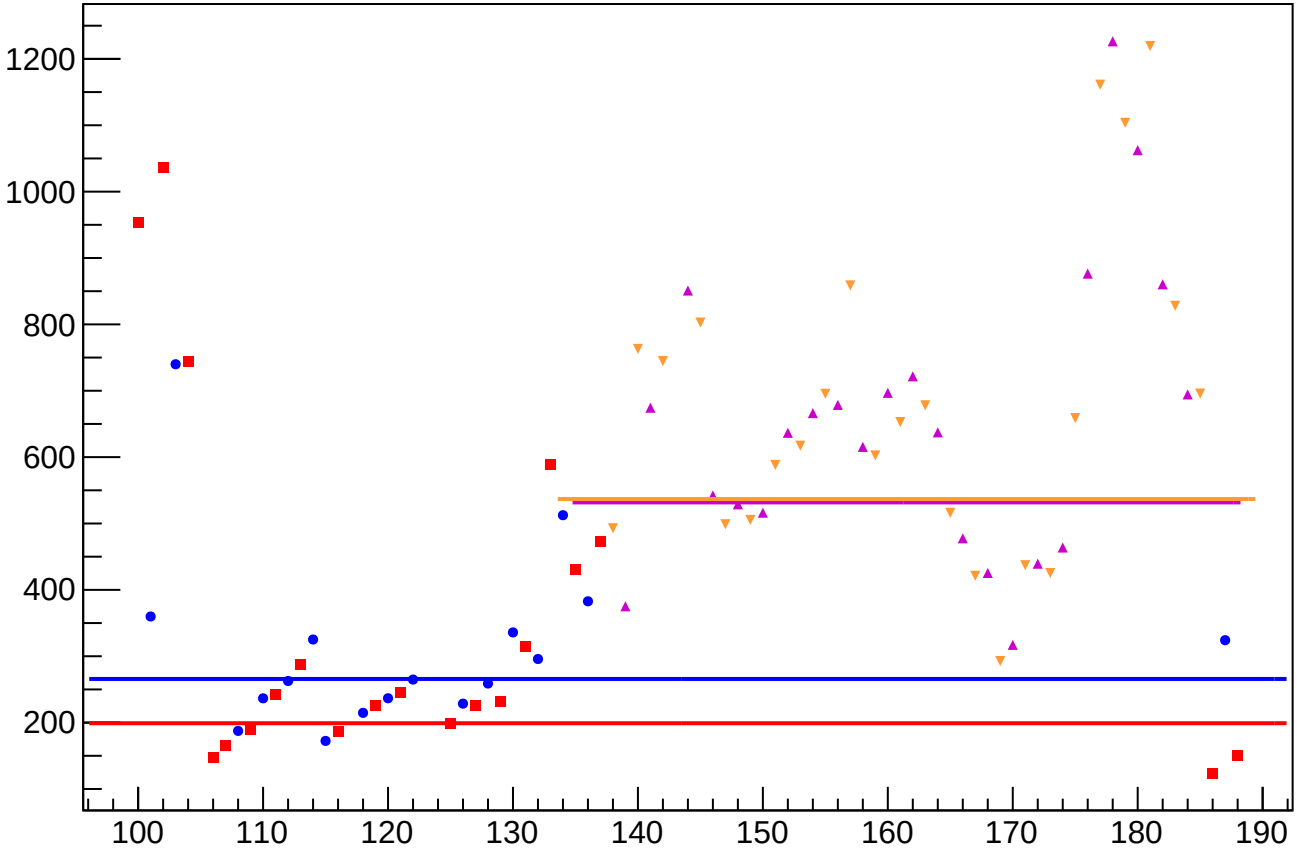
Right: 0.030+/-0.062 χ^2/NDF: 39.3/36

In: 0.111+/-0.082 χ^2/NDF:38.6/39

Out: -0.004+/-0.067 χ^2/NDF:56.7/43

All: 0.042+/-0.052 χ^2/NDF: 96.5/83

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 265.785+/-0.074 χ^2/NDF: 1296036.6/16

Left Out: 536.822+/-0.095 χ^2/NDF:3963422.5/23

Right Out: 199.081+/-0.055 χ^2/NDF: 2705125.8/19

Left In: 531.773+/-0.094 χ^2/NDF:3381293.8/22

Left: 534.268+/-0.067 χ^2/NDF: 7346152.7/46

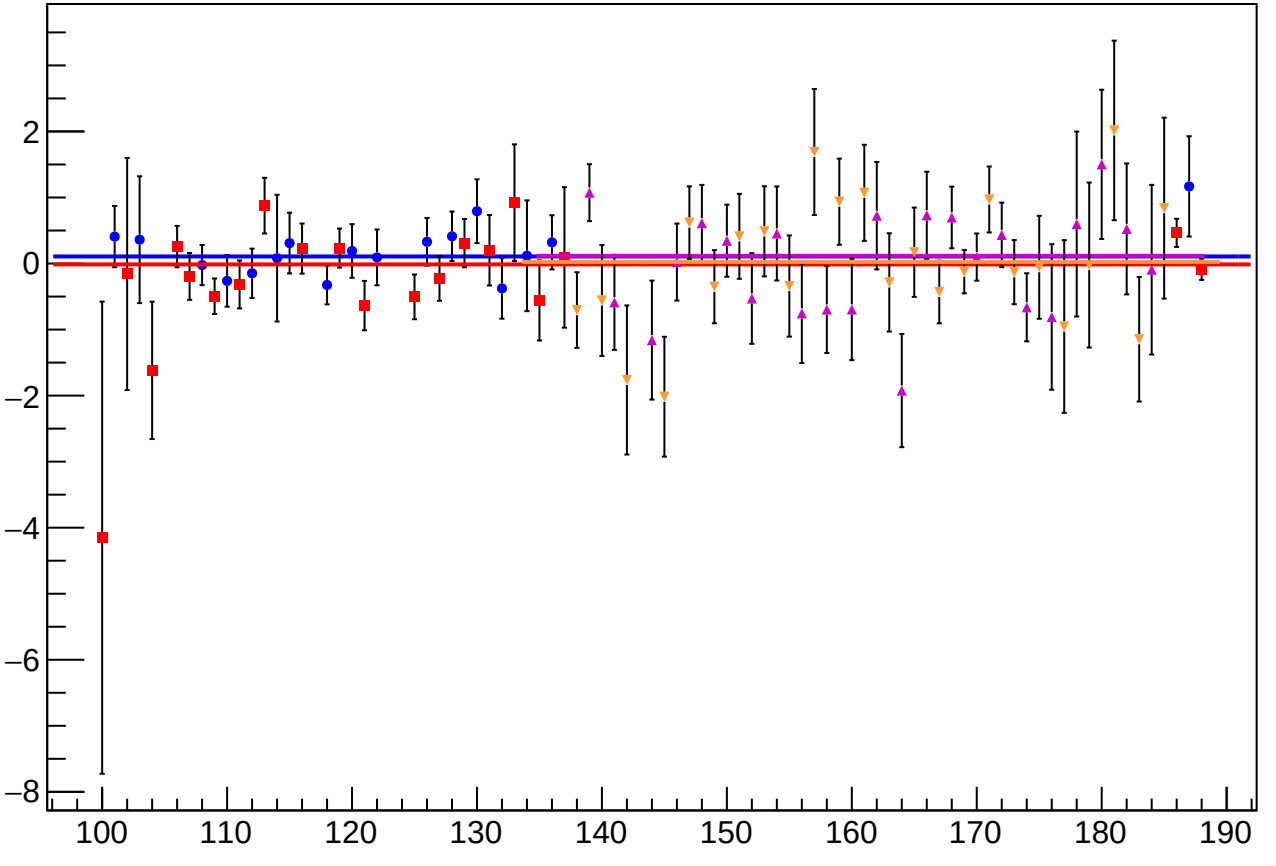
Right: 222.921+/-0.044 χ^2/NDF: 4528994.0/36

In: 367.322+/-0.058 χ^2/NDF:9663072.6/39

Out: 283.970+/-0.047 χ^2/NDF:16184617.2/43

All: 317.515+/-0.037 χ^2/NDF: 27087284.7/83

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.107+/-0.104 χ^2/NDF: 10.8/16

Left Out: 0.025+/-0.134 χ^2/NDF:29.1/23

Right Out: -0.013+/-0.078 χ^2/NDF: 27.6/19

Left In: 0.117+/-0.132 χ^2/NDF:27.8/22

Left: 0.071+/-0.094 χ^2/NDF: 57.1/46

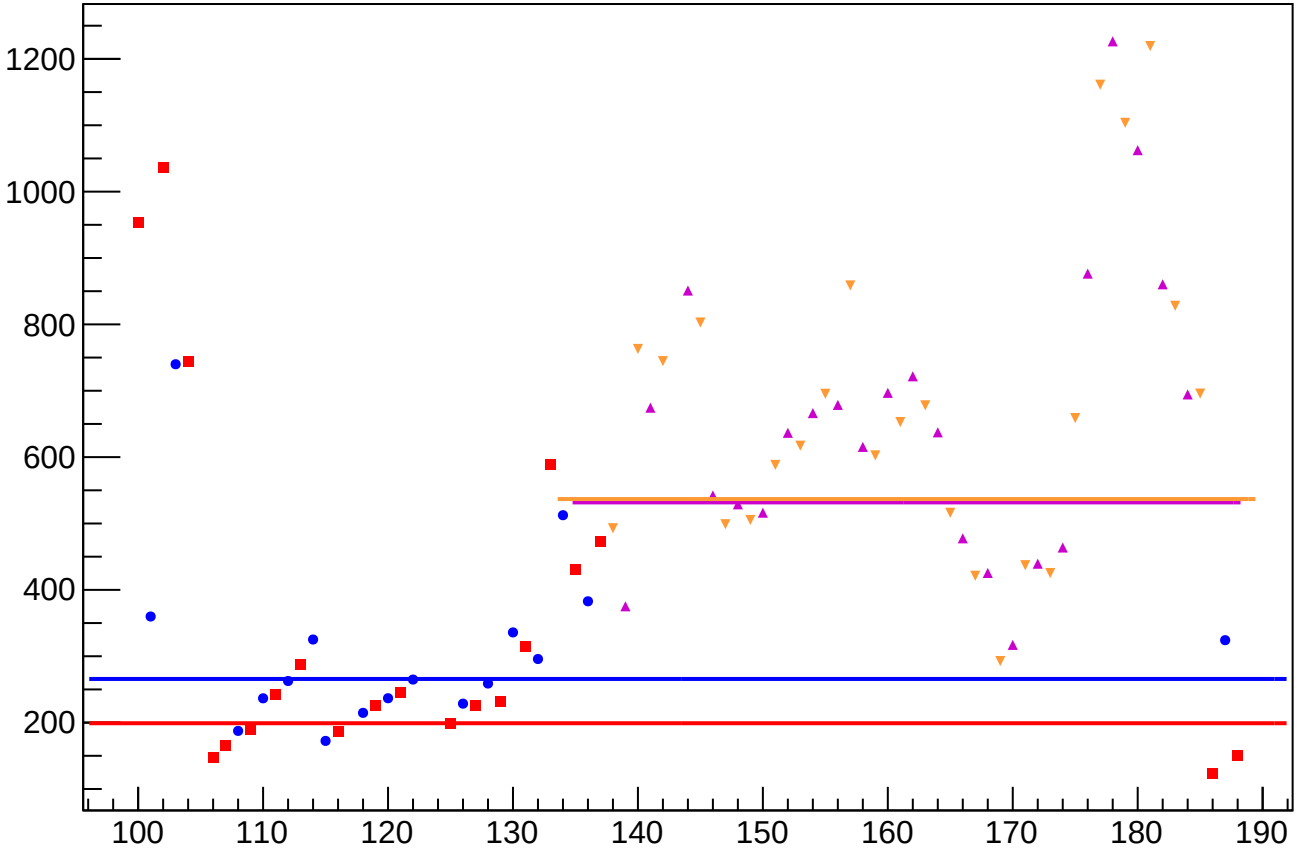
Right: 0.030+/-0.062 χ^2/NDF: 39.3/36

In: 0.111+/-0.082 χ^2/NDF:38.6/39

Out: -0.004+/-0.067 χ^2/NDF:56.7/43

All: 0.042+/-0.052 χ^2/NDF: 96.5/83

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 265.785+/-0.074 χ^2/NDF: 1296036.6/16

Left Out: 536.822+/-0.095 χ^2/NDF:3963422.5/23

Right Out: 199.081+/-0.055 χ^2/NDF: 2705125.8/19

Left In: 531.773+/-0.094 χ^2/NDF:3381293.8/22

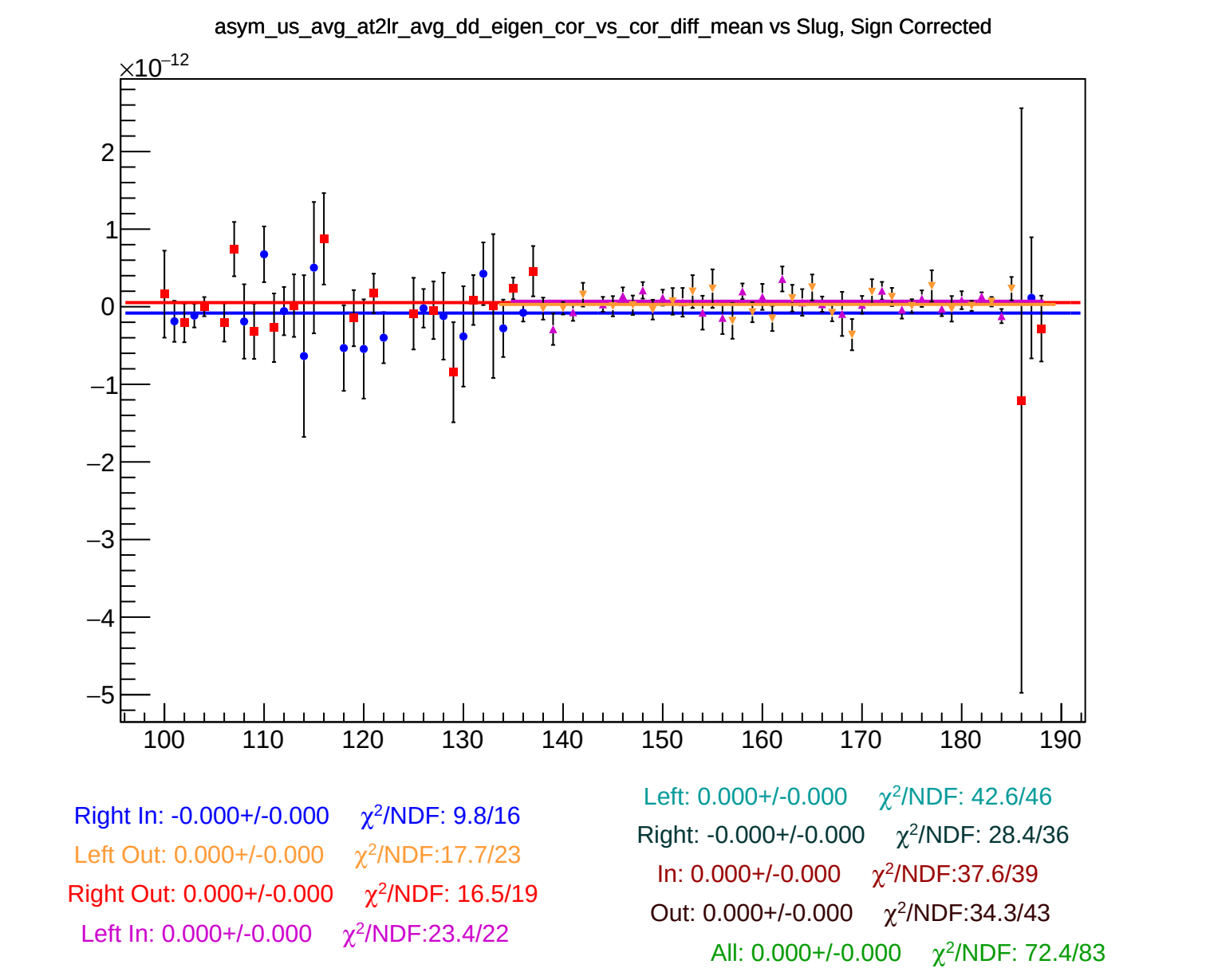
Left: 534.268+/-0.067 χ^2/NDF: 7346152.7/46

Right: 222.921+/-0.044 χ^2/NDF: 4528994.0/36

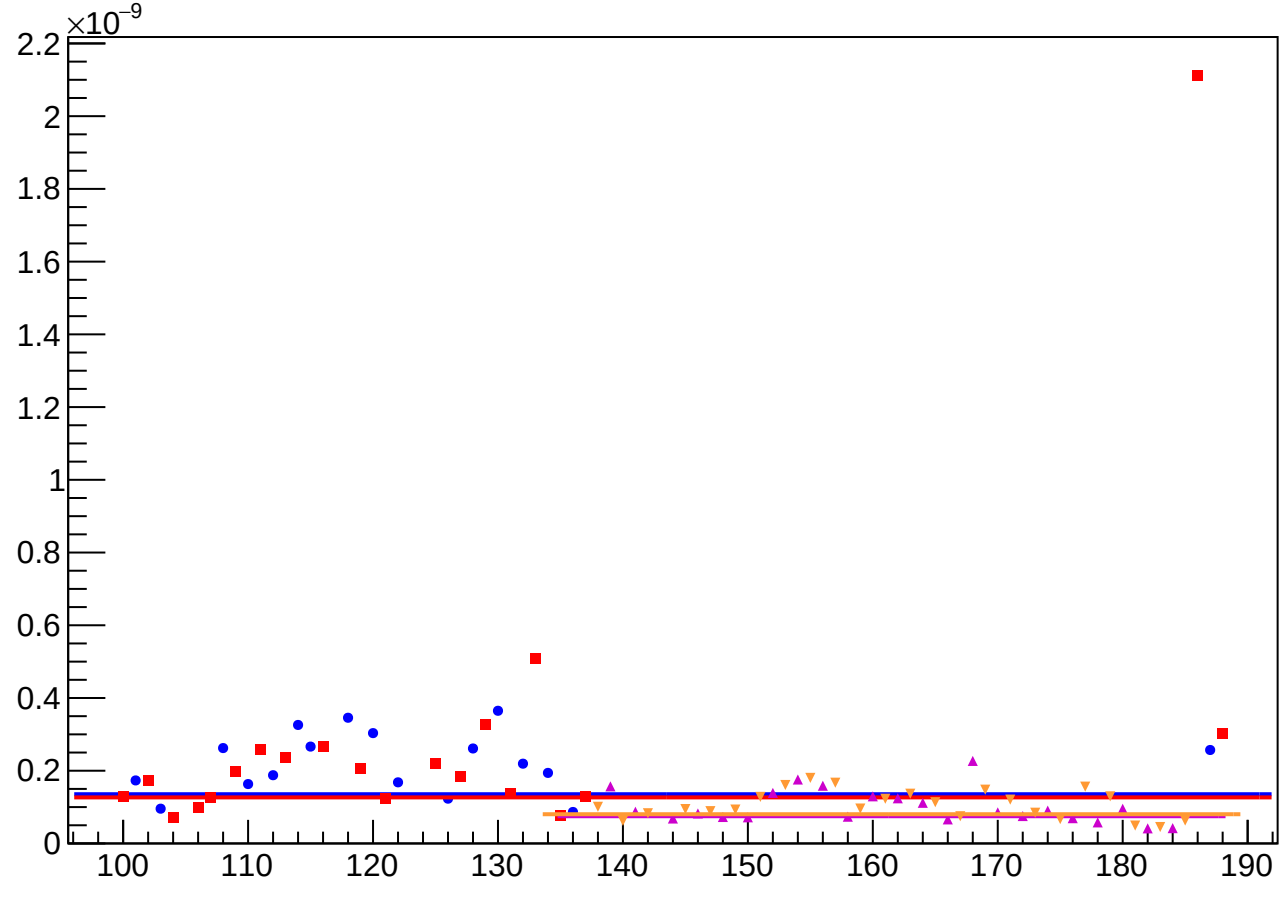
In: 367.322+/-0.058 χ^2/NDF:9663072.6/39

Out: 283.970+/-0.047 χ^2/NDF:16184617.2/43

All: 317.515+/-0.037 χ^2/NDF: 27087284.7/83


asym_us_avg_at2lr_avg_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
1
0
−1
−2
−3
−4
−5
100
110
120
130
140
150
160
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 9.8/16
Left Out: 0.000+/-0.000 χ²/NDF:17.7/23
Right Out: 0.000+/-0.000 χ²/NDF: 16.5/19
Left In: 0.000+/-0.000 χ²/NDF:23.4/22
Left: 0.000+/-0.000 χ²/NDF: 42.6/46
Right: -0.000+/-0.000 χ²/NDF: 28.4/36
In: 0.000+/-0.000 χ²/NDF:37.6/39
Out: 0.000+/-0.000 χ²/NDF:34.3/43
All: 0.000+/-0.000 χ²/NDF: 72.4/83

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: 1863922.4/16

Left Out: 0.000+/-0.000 χ^2/NDF:3732870.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 2907799.5/19

Left In: 0.000+/-0.000 χ^2/NDF:3665599.9/22

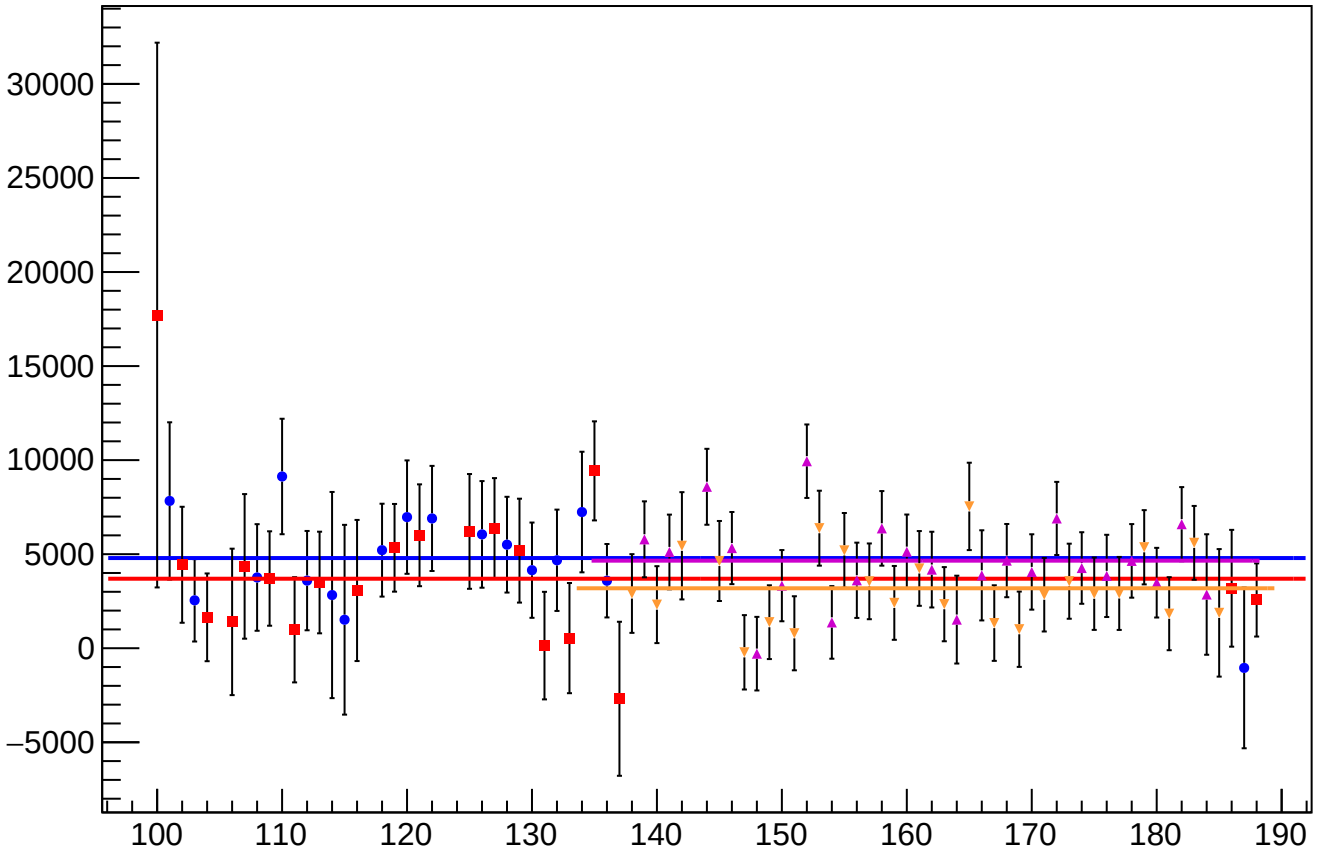
Left: 0.000+/-0.000 χ^2/NDF: 7451186.8/46

Right: 0.000+/-0.000 χ^2/NDF: 4789139.0/36

In: 0.000+/-0.000 χ^2/NDF:6919919.8/39

Out: 0.000+/-0.000 χ^2/NDF:7557819.8/43

All: 0.000+/-0.000 χ^2/NDF: 14531803.5/83



Right In: 4793.996+/-689.767 χ^2/NDF: 8.8/16

Left Out: 3187.125+/-418.619 χ^2/NDF:19.9/23

Right Out: 3695.154+/-641.012 χ^2/NDF: 16.6/19

Left In: 4655.206+/-421.691 χ^2/NDF:27.7/22

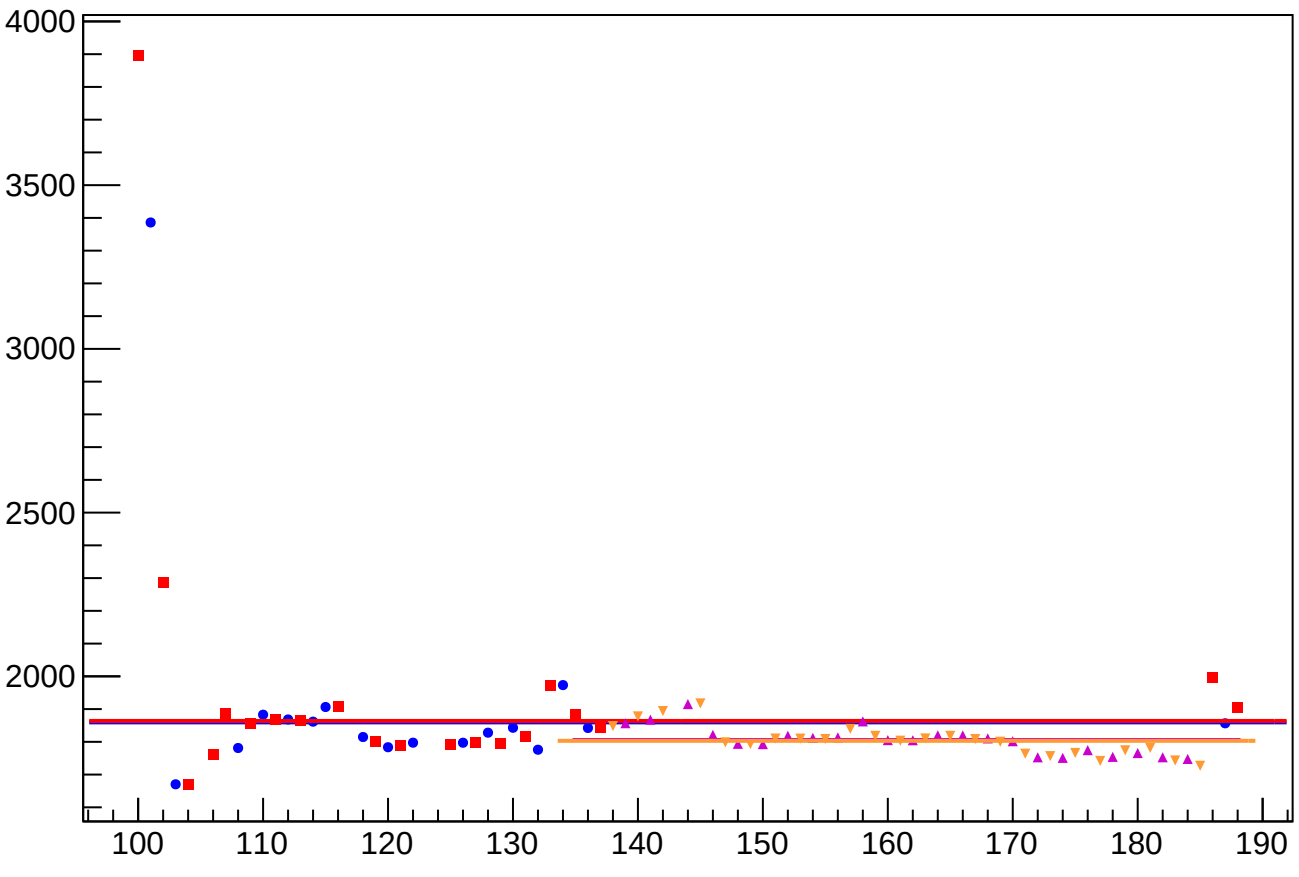
Left: 3915.797+/-297.089 χ^2/NDF: 53.7/46

Right: 4204.372+/-469.555 χ^2/NDF: 26.7/36

In: 4692.966+/-359.783 χ^2/NDF:36.5/39

Out: 3339.014+/-350.497 χ^2/NDF:36.9/43

All: 3998.293+/-251.058 χ^2/NDF: 80.6/83



Right In: 1859.433+/-0.488 χ^2/NDF: 292335.5/16

Left Out: 1803.115+/-0.296 χ^2/NDF:20641.1/23

Right Out: 1863.787+/-0.452 χ^2/NDF: 107319.0/19

Left In: 1805.559+/-0.298 χ^2/NDF:19314.7/22

Left: 1804.328+/-0.210 χ^2/NDF: 39989.6/46

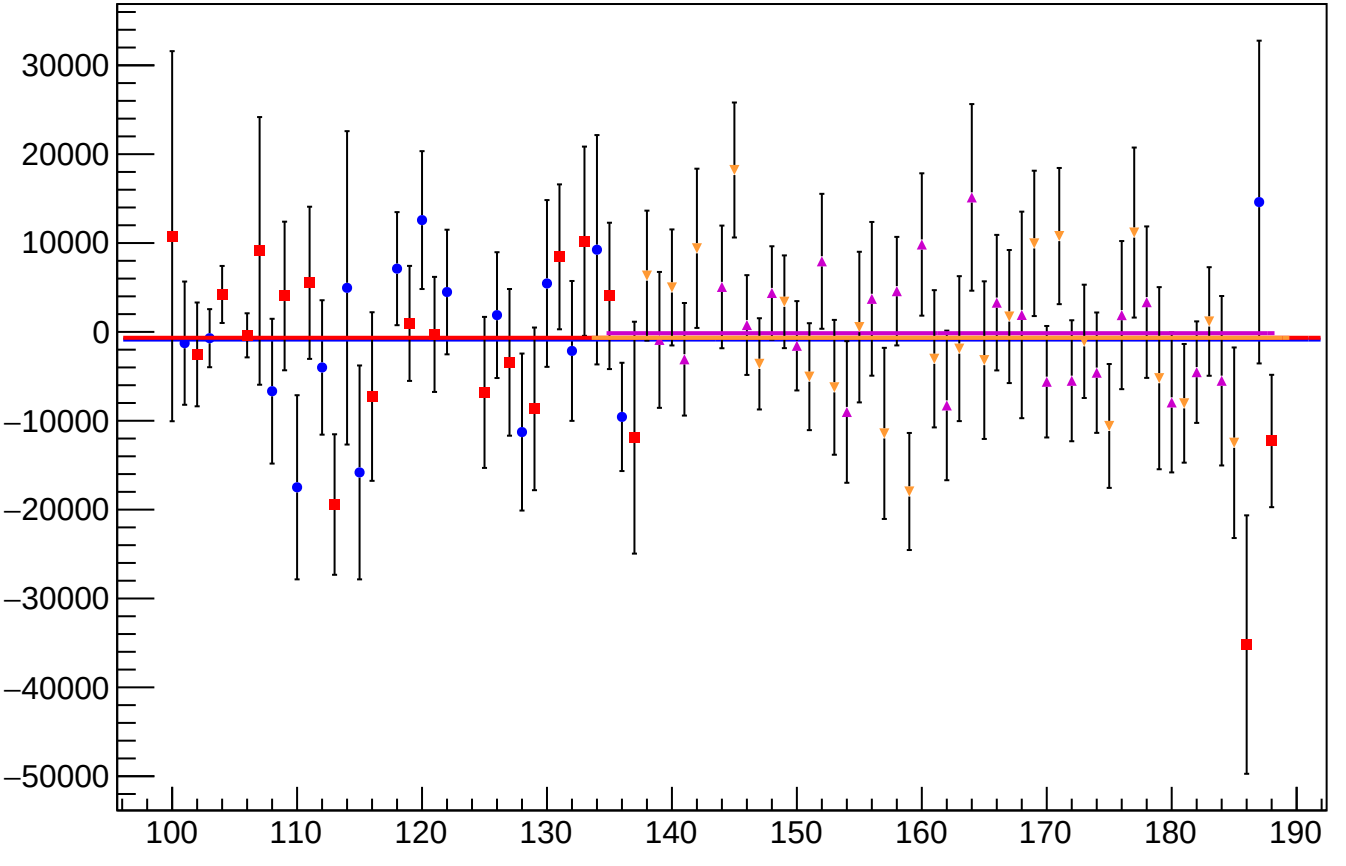
Right: 1861.775+/-0.332 χ^2/NDF: 399697.3/36

In: 1820.216+/-0.254 χ^2/NDF:320531.6/39

Out: 1821.320+/-0.248 χ^2/NDF:140566.1/43

All: 1820.783+/-0.177 χ^2/NDF: 461107.3/83

asym_us_avg_atlr_avg_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -864.252+/-1755.915 χ^2/NDF: 15.5/16

Left Out: -667.243+/-1478.798 χ^2/NDF:29.8/23

Right Out: -659.921+/-1405.795 χ^2/NDF: 23.0/19

Left In: -143.435+/-1471.371 χ^2/NDF:13.6/22

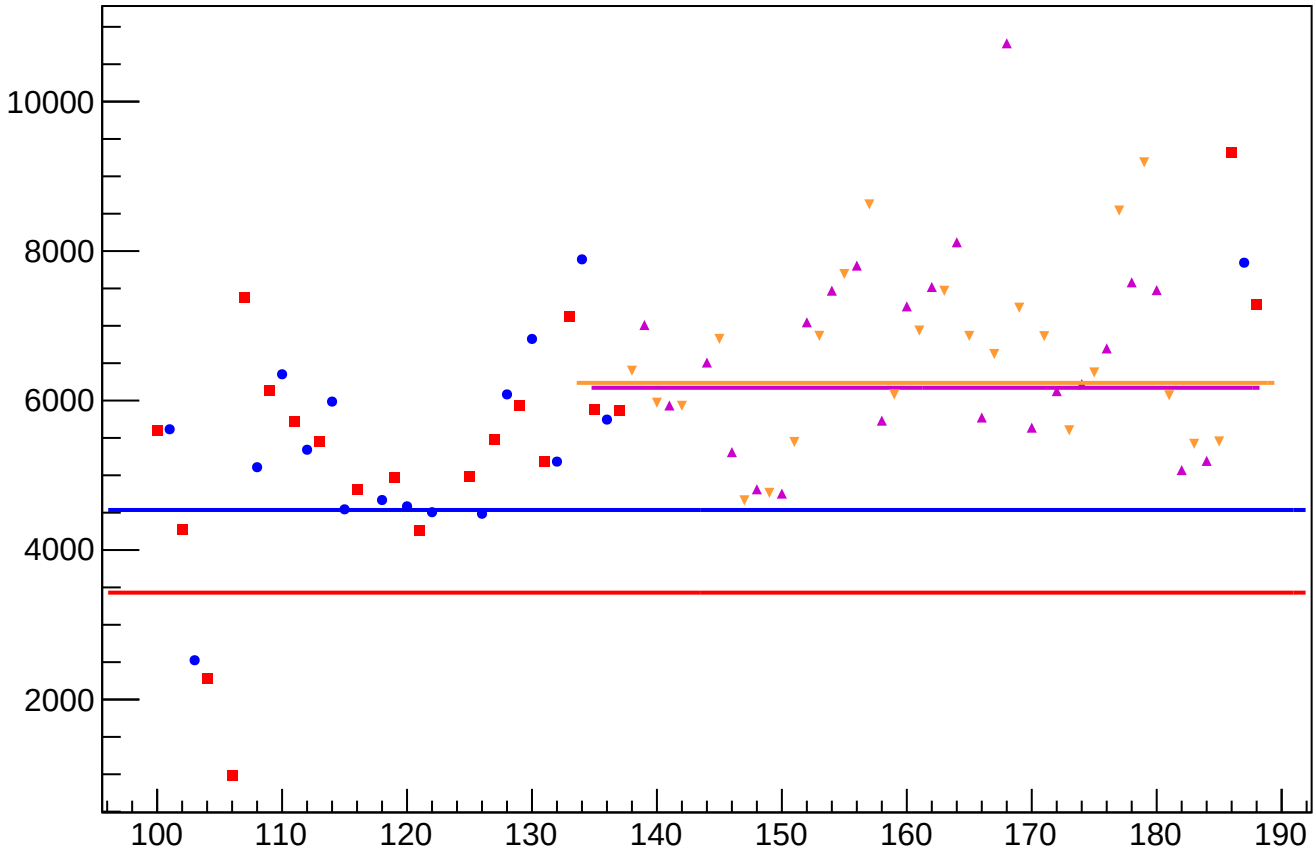
Left: -404.020+/-1043.032 χ^2/NDF: 43.4/46

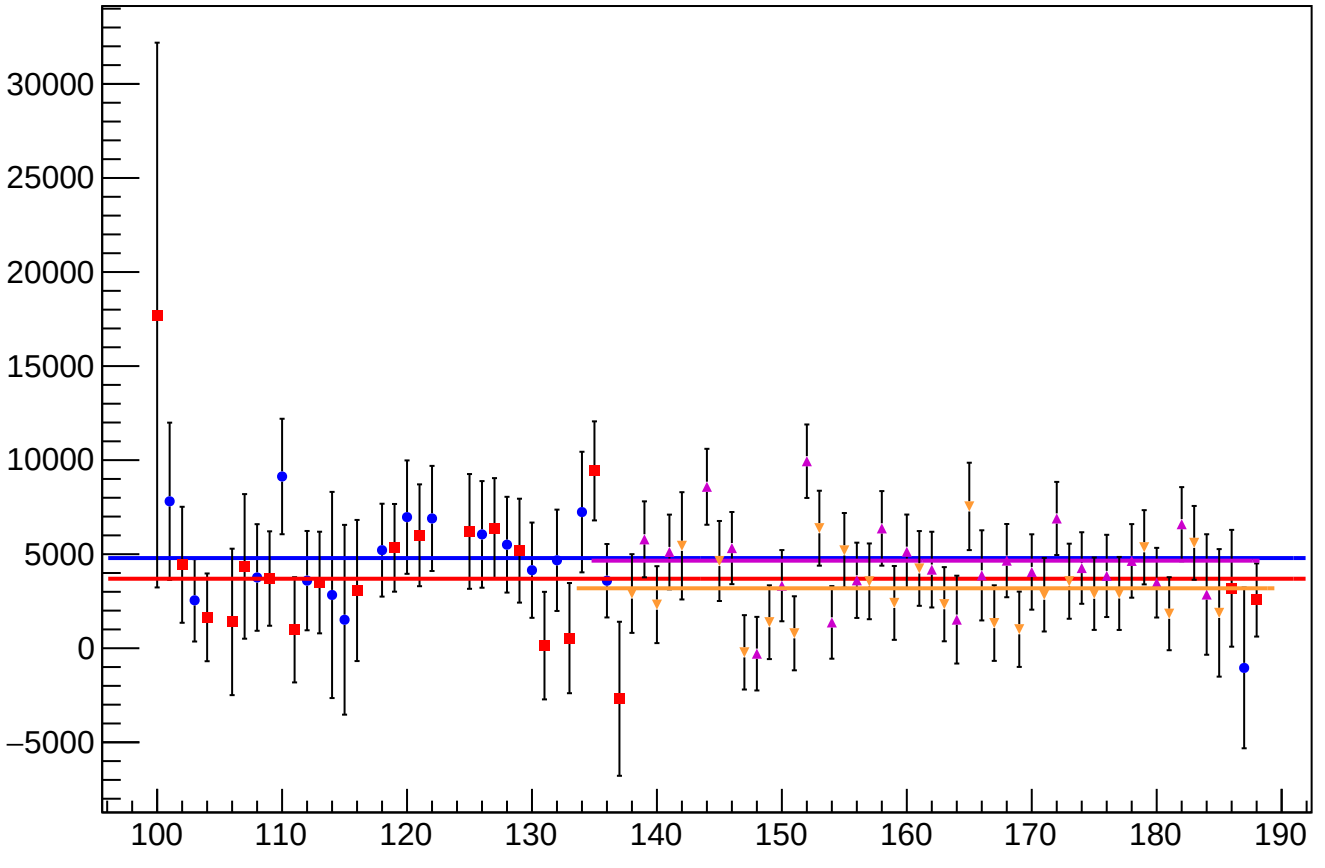
Right: -739.734+/-1097.418 χ^2/NDF: 38.5/36

In: -440.781+/-1127.773 χ^2/NDF:29.1/39

Out: -663.397+/-1018.878 χ^2/NDF:52.8/43

All: -563.353+/-756.031 χ^2/NDF: 81.9/83


asym_us_avg_atlr_avg_avg_reg_correction_rms vs Slug, Sign Corrected
10000
8000
6000
4000
2000
100
110
120
130
140
150
160
170
180
190
Right In: 4536.008+/-1.242 χ²/NDF: 1388104.4/16
Left Out: 6236.636+/-1.046 χ²/NDF:1067659.4/23
Right Out: 3430.071+/-0.994 χ²/NDF: 4859614.6/19
Left In: 6170.791+/-1.040 χ²/NDF:1237554.5/22
Left: 6203.548+/-0.738 χ²/NDF: 2307206.4/46
Right: 3862.055+/-0.776 χ²/NDF: 6731203.9/36
In: 5496.424+/-0.797 χ²/NDF:3644115.9/39
Out: 4762.371+/-0.720 χ²/NDF:9711375.4/43
All: 5092.256+/-0.535 χ²/NDF: 13822016.3/8



Right In: 4793.534+/-689.767 χ^2/NDF: 8.8/16

Left Out: 3187.056+/-418.619 χ^2/NDF:19.9/23

Right Out: 3694.926+/-641.012 χ^2/NDF: 16.6/19

Left In: 4655.225+/-421.691 χ^2/NDF:27.7/22

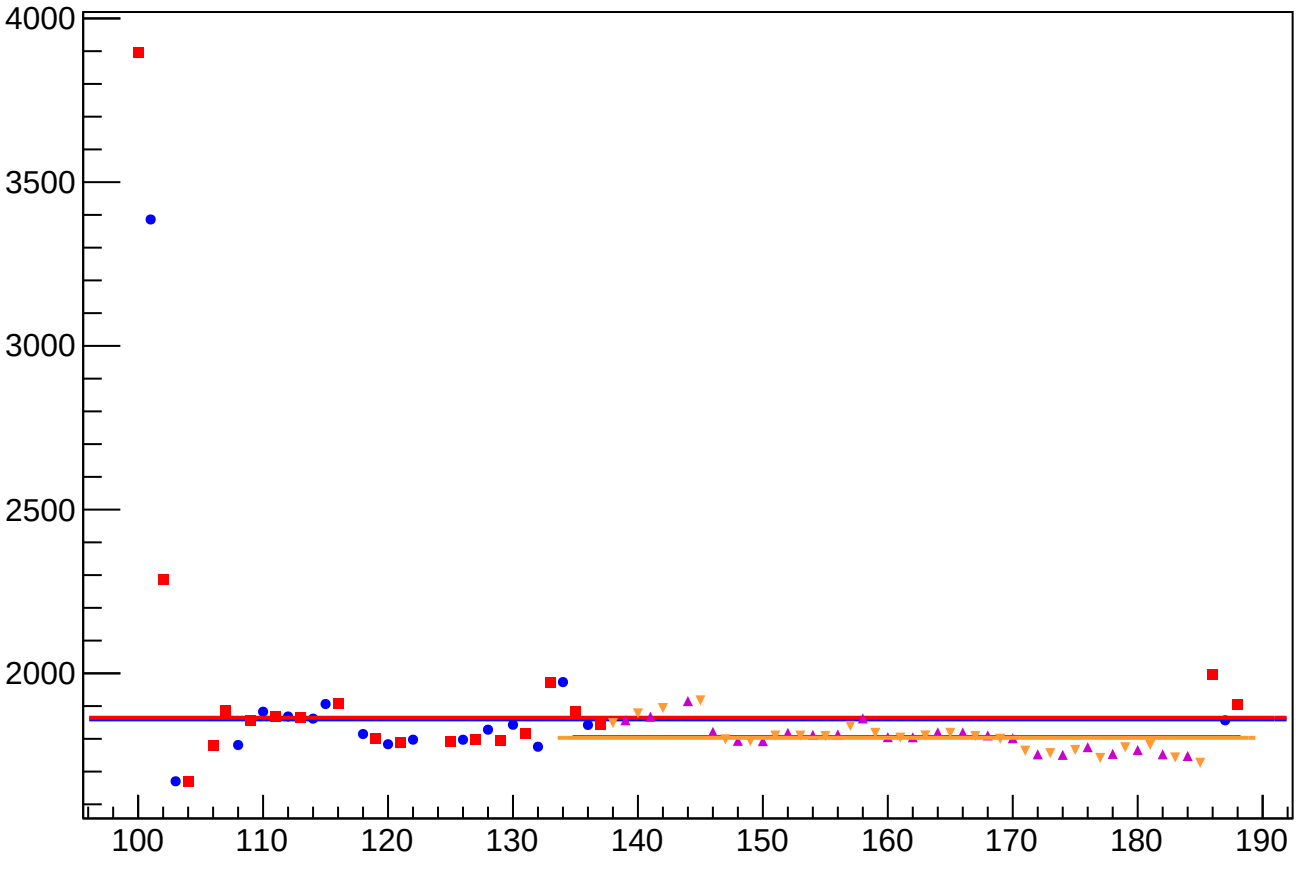
Left: 3915.772+/-297.089 χ^2/NDF: 53.7/46

Right: 4204.035+/-469.555 χ^2/NDF: 26.7/36

In: 4692.854+/-359.783 χ^2/NDF:36.5/39

Out: 3338.898+/-350.497 χ^2/NDF:36.9/43

All: 3998.179+/-251.058 χ^2/NDF: 80.6/83



Right In: 1859.433+/-0.488 χ^2/NDF: 292337.4/16

Left Out: 1803.115+/-0.296 χ^2/NDF:20641.1/23

Right Out: 1864.392+/-0.452 χ^2/NDF: 106788.2/19

Left In: 1805.559+/-0.298 χ^2/NDF:19314.6/22

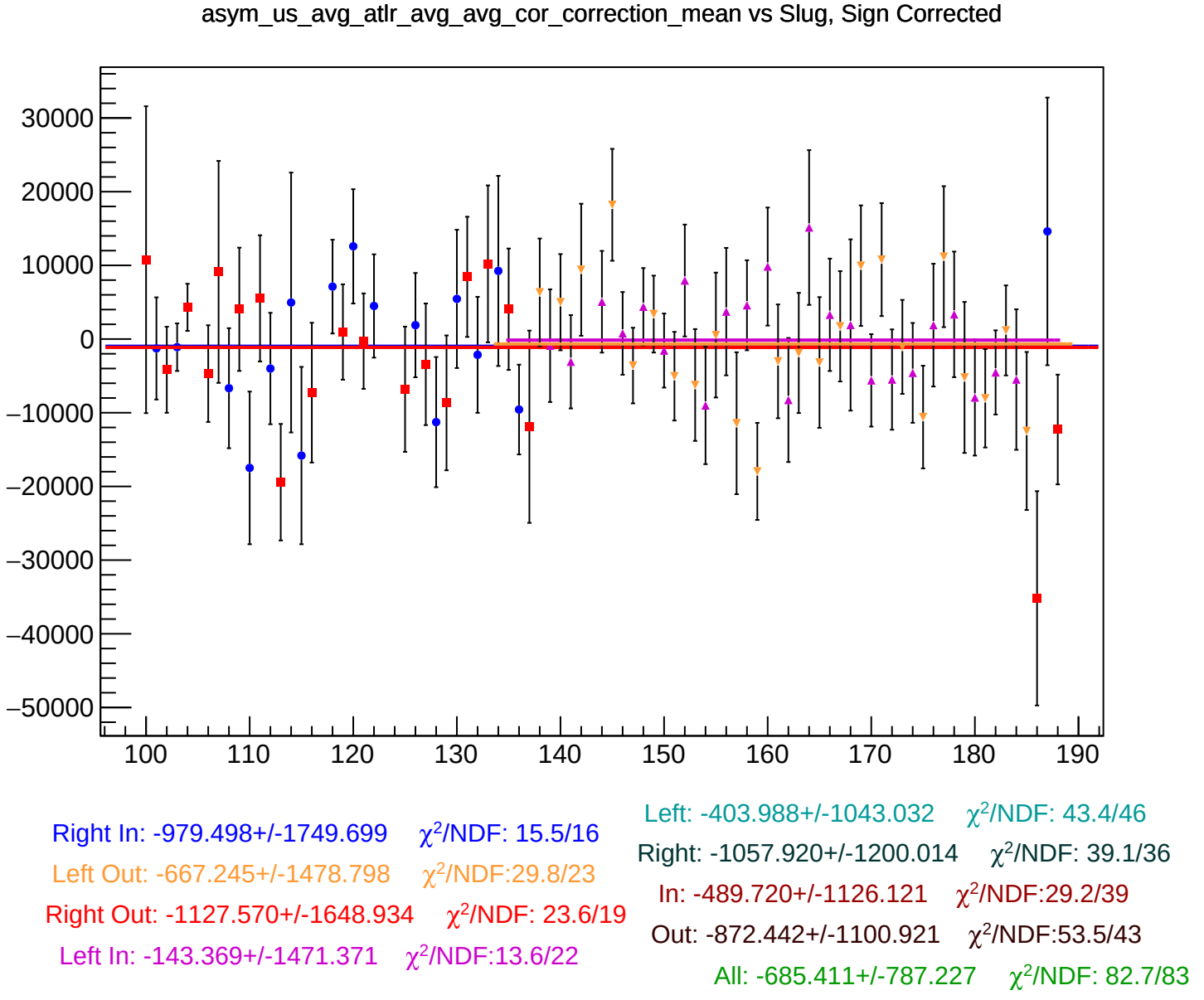
Left: 1804.328+/-0.210 χ^2/NDF: 39989.6/46

Right: 1862.100+/-0.332 χ^2/NDF: 399181.2/36

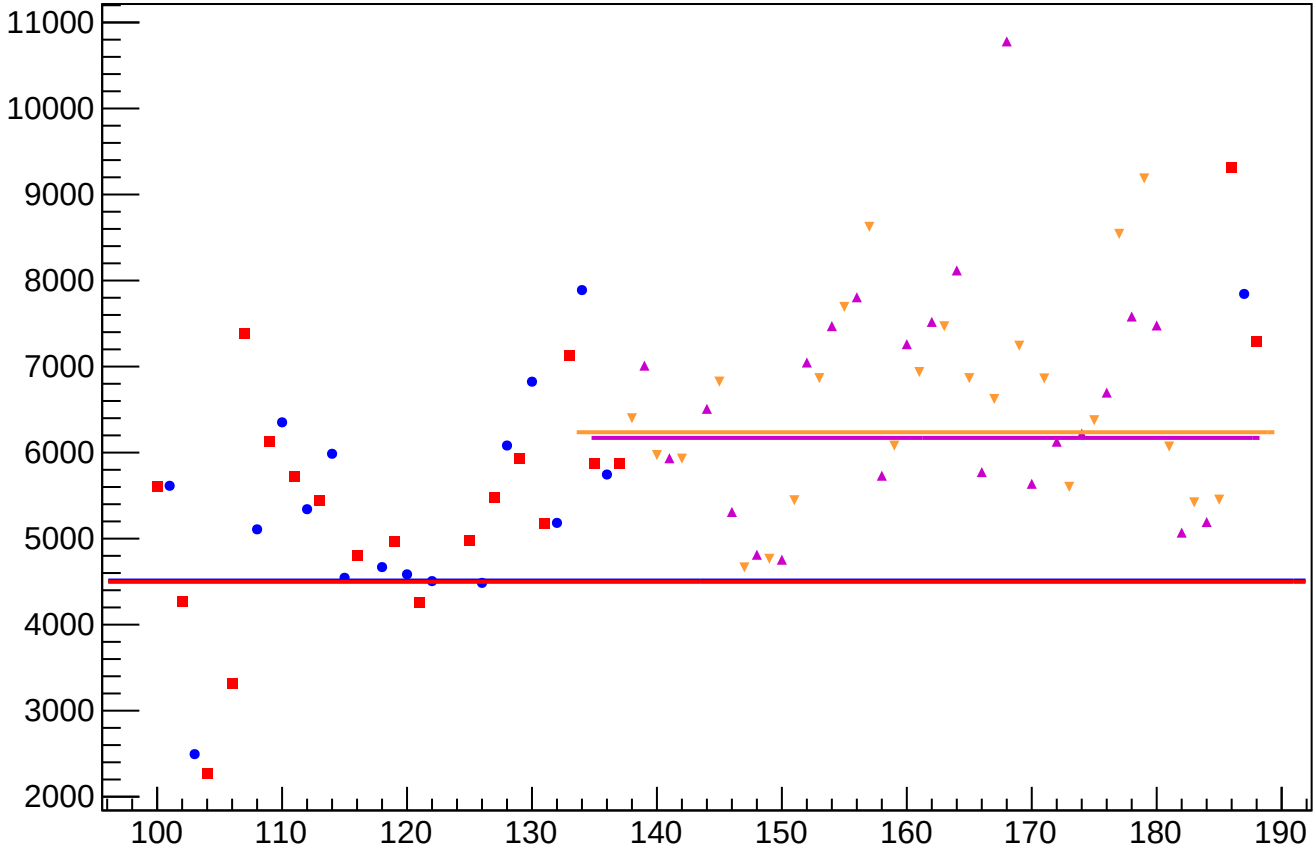
In: 1820.216+/-0.254 χ^2/NDF:320533.4/39

Out: 1821.495+/-0.248 χ^2/NDF:140283.3/43

All: 1820.872+/-0.177 χ^2/NDF: 460829.7/83


asym_us_avg_atlr_avg_avg_cor_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
−40000
−50000
100
110
120
130
140
150
160
170
180
190
Right In: -979.498+/-1749.699 χ²/NDF: 15.5/16
Left Out: -667.245+/-1478.798 χ²/NDF:29.8/23
Right Out: -1127.570+/-1648.934 χ²/NDF: 23.6/19
Left In: -143.369+/-1471.371 χ²/NDF:13.6/22
Left: -403.988+/-1043.032 χ²/NDF: 43.4/46
Right: -1057.920+/-1200.014 χ²/NDF: 39.1/36
In: -489.720+/-1126.121 χ²/NDF:29.2/39
Out: -872.442+/-1100.921 χ²/NDF:53.5/43
All: -685.411+/-787.227 χ²/NDF: 82.7/83

asym_us_avg_atlr_avg_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 4512.733+/-1.237 χ^2/NDF: 1430197.0/16

Left Out: 6236.635+/-1.046 χ^2/NDF:1067665.4/23

Right Out: 4497.873+/-1.166 χ^2/NDF: 2080840.0/19

Left In: 6170.789+/-1.040 χ^2/NDF:1237564.5/22

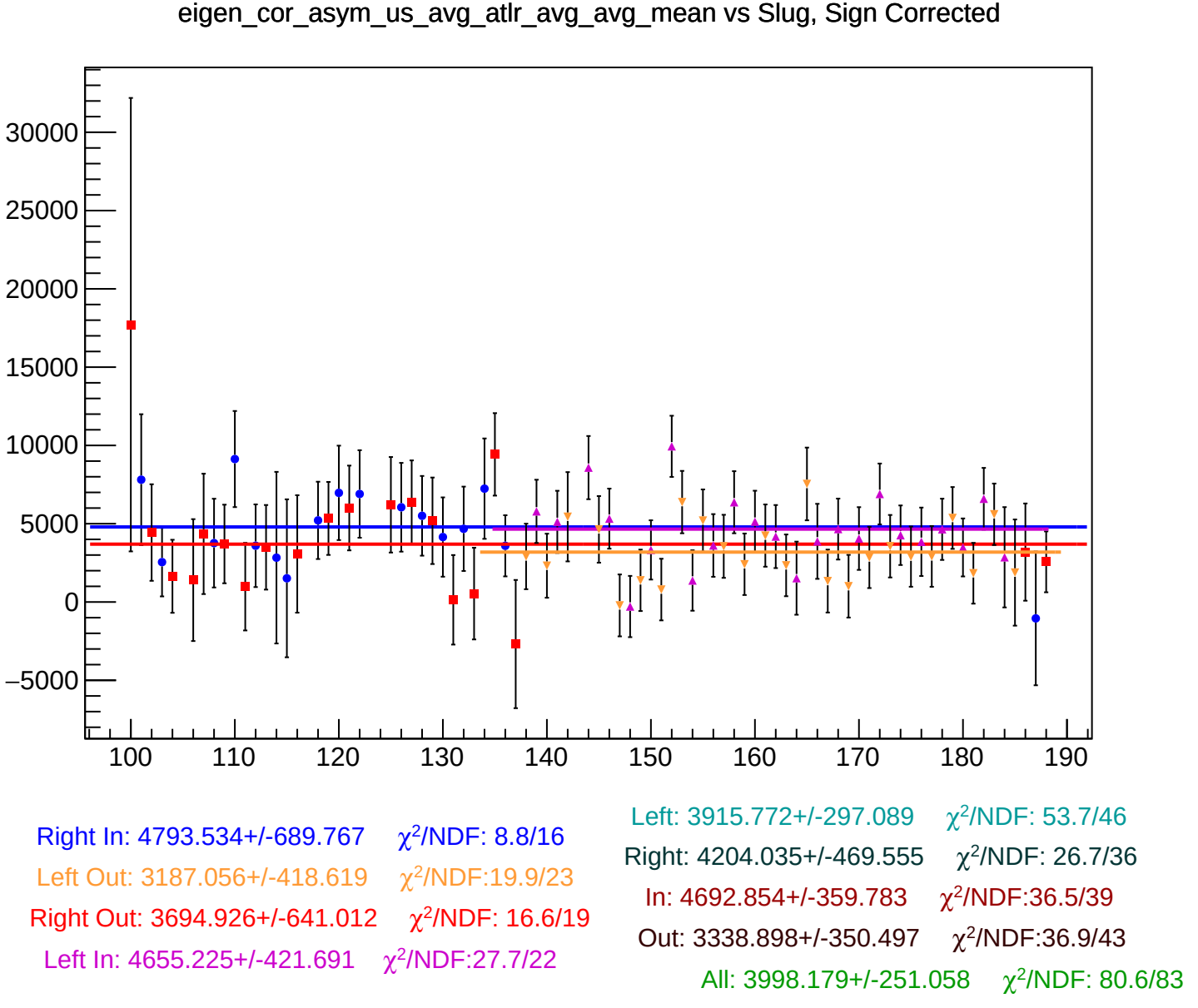
Left: 6203.546+/-0.738 χ^2/NDF: 2307222.5/46

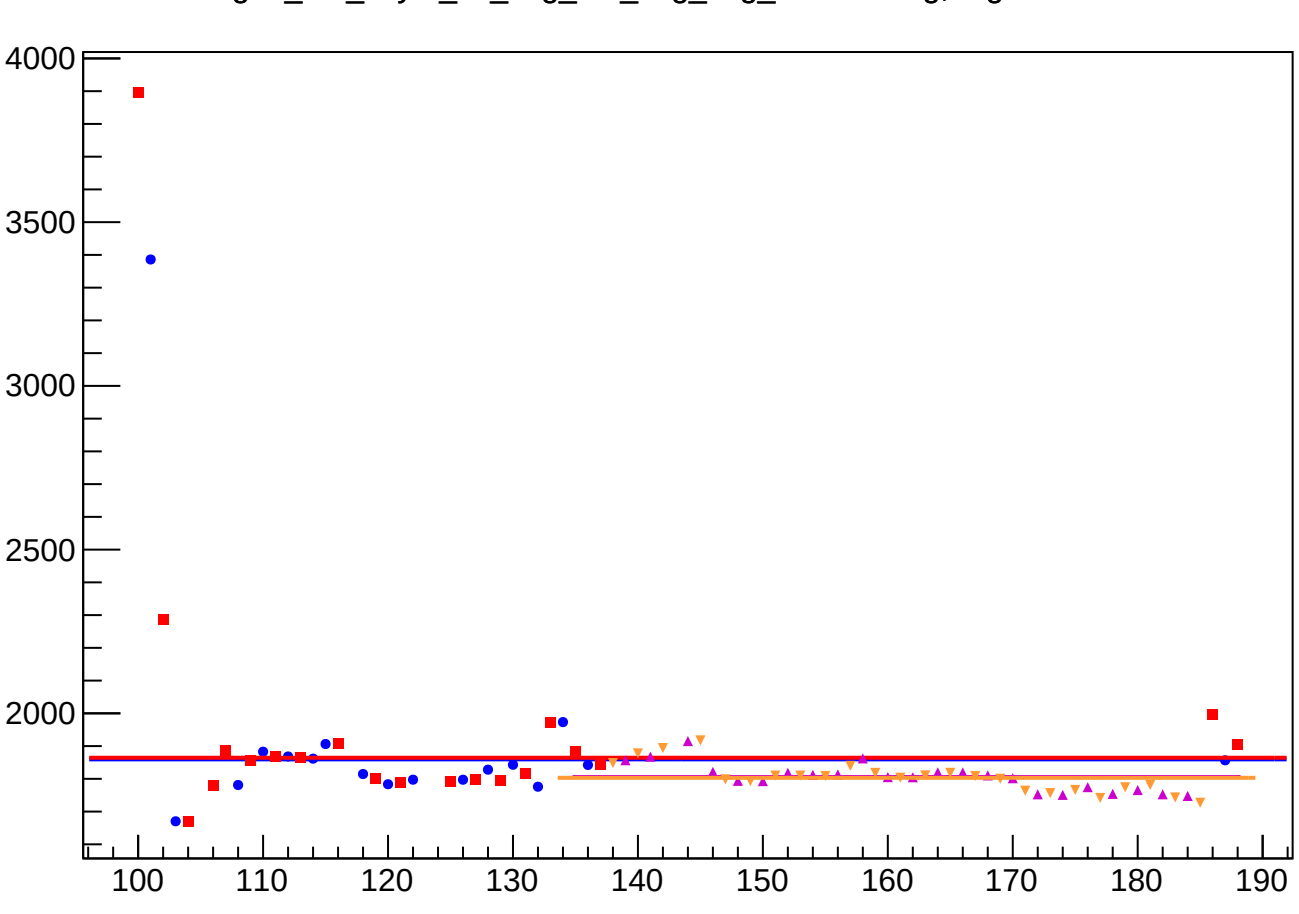
Right: 4504.863+/-0.849 χ^2/NDF: 3511113.4/36

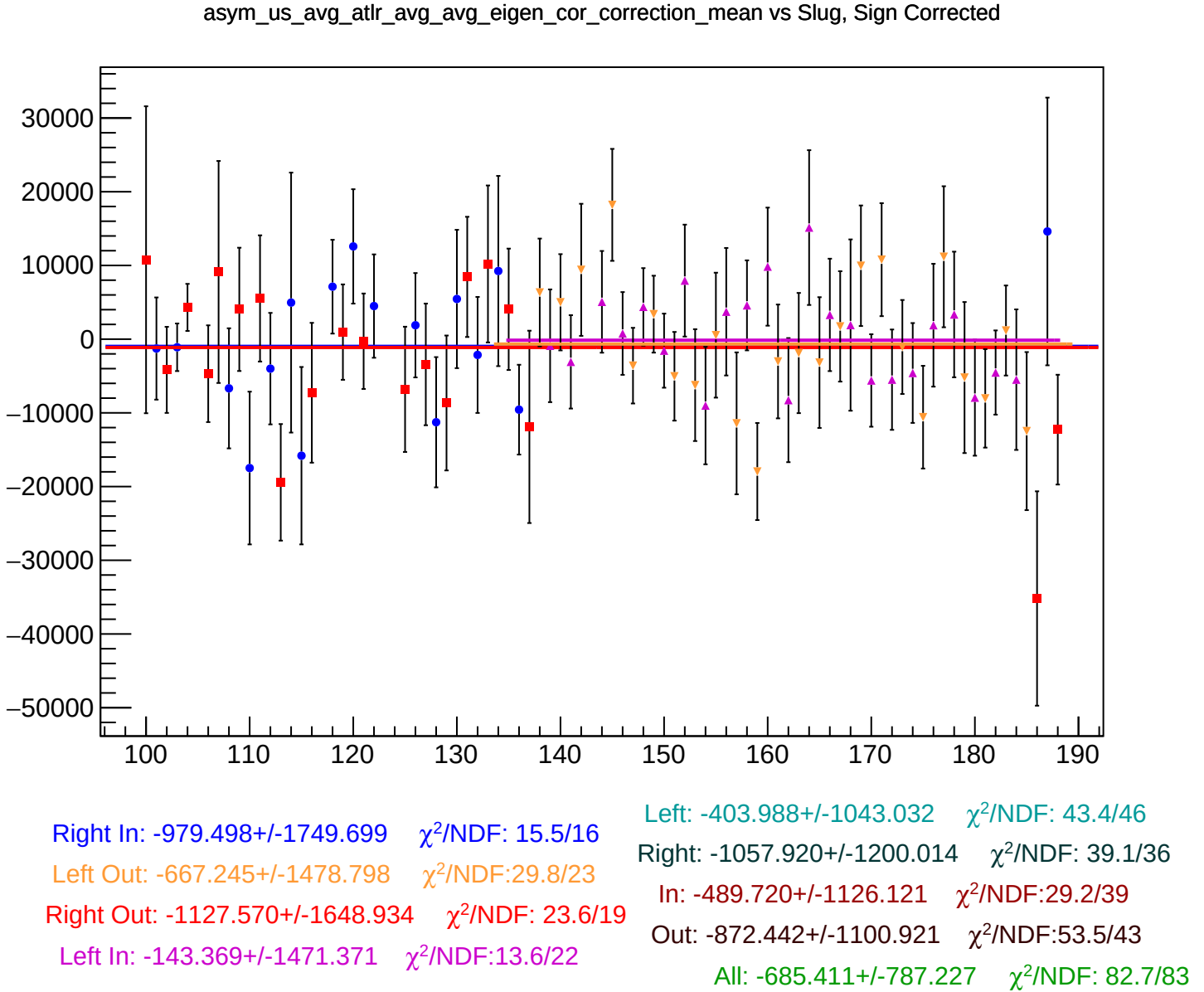
In: 5483.969+/-0.796 χ^2/NDF:3719789.8/39

Out: 5461.556+/-0.778 χ^2/NDF:4381037.7/43

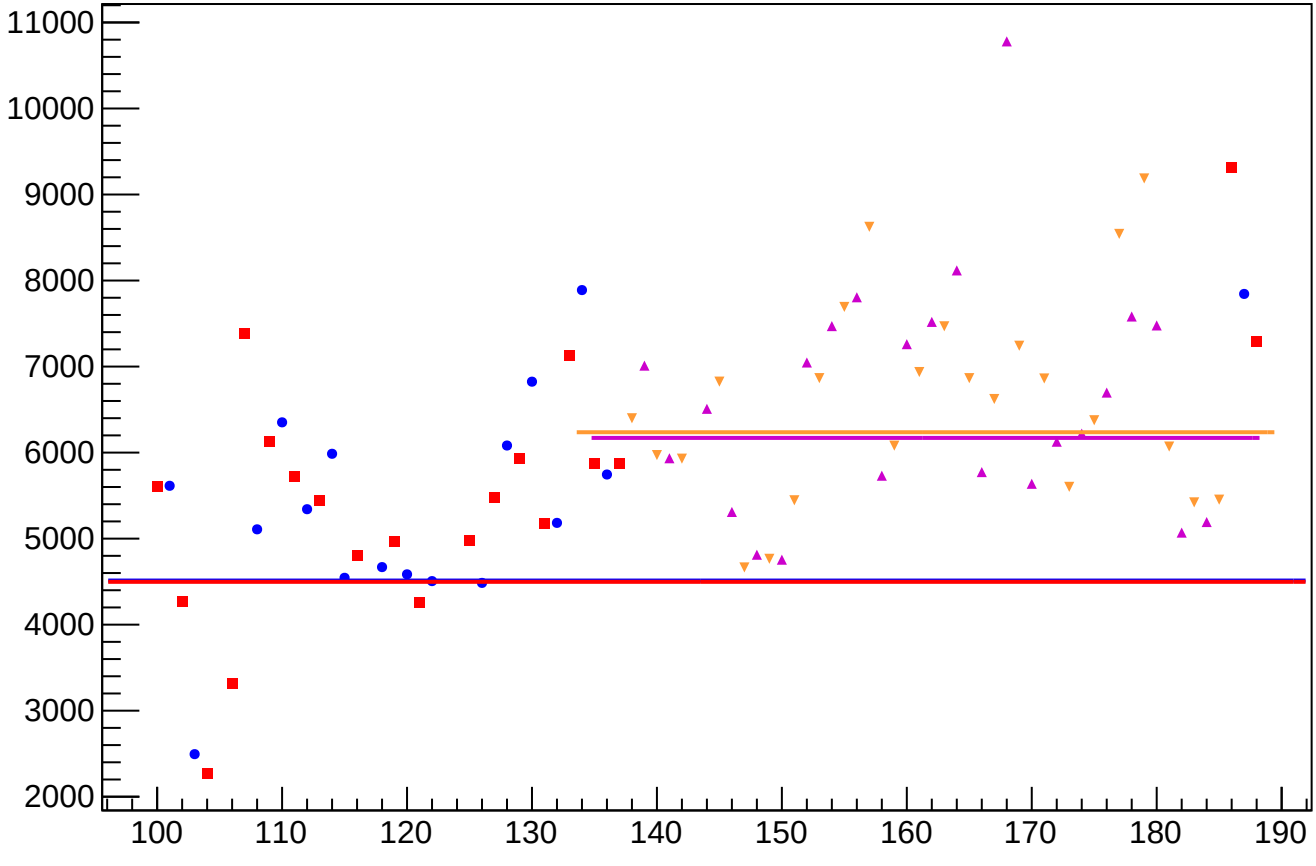
All: 5472.509+/-0.557 χ^2/NDF: 8101232.6/83


eigen_cor_asym_us_avg_atlr_avg_avg_mean vs Slug, Sign Corrected
30000
25000
20000
15000
10000
5000
0
−5000
100
110
120
130
140
150
160
170
180
190
Right In: 4793.534+/-689.767 χ²/NDF: 8.8/16
Left Out: 3187.056+/-418.619 χ²/NDF:19.9/23
Right Out: 3694.926+/-641.012 χ²/NDF: 16.6/19
Left In: 4655.225+/-421.691 χ²/NDF:27.7/22
Left: 3915.772+/-297.089 χ²/NDF: 53.7/46
Right: 4204.035+/-469.555 χ²/NDF: 26.7/36
In: 4692.854+/-359.783 χ²/NDF:36.5/39
Out: 3338.898+/-350.497 χ²/NDF:36.9/43
All: 3998.179+/-251.058 χ²/NDF: 80.6/83


eigen_cor_asym_us_avg_atlr_avg_avg_rms vs Slug, Sign Corrected
4000
3500
3000
2500
2000
100
110
120
130
140
150
160
170
180
190
Right In: 1859.433+/-0.488 χ²/NDF: 292337.4/16
Left Out: 1803.115+/-0.296 χ²/NDF:20641.1/23
Right Out: 1864.392+/-0.452 χ²/NDF: 106788.2/19
Left In: 1805.559+/-0.298 χ²/NDF:19314.6/22
Left: 1804.328+/-0.210 χ²/NDF: 39989.6/46
Right: 1862.100+/-0.332 χ²/NDF: 399181.2/36
In: 1820.216+/-0.254 χ²/NDF:320533.4/39
Out: 1821.495+/-0.248 χ²/NDF:140283.3/43
All: 1820.872+/-0.177 χ²/NDF: 460829.7/83


asym_us_avg_atlr_avg_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
−40000
−50000
100
110
120
130
140
150
160
170
180
190
Right In: -979.498+/-1749.699 χ²/NDF: 15.5/16
Left Out: -667.245+/-1478.798 χ²/NDF:29.8/23
Right Out: -1127.570+/-1648.934 χ²/NDF: 23.6/19
Left In: -143.369+/-1471.371 χ²/NDF:13.6/22
Left: -403.988+/-1043.032 χ²/NDF: 43.4/46
Right: -1057.920+/-1200.014 χ²/NDF: 39.1/36
In: -489.720+/-1126.121 χ²/NDF:29.2/39
Out: -872.442+/-1100.921 χ²/NDF:53.5/43
All: -685.411+/-787.227 χ²/NDF: 82.7/83

asym_us_avg_atlr_avg_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 4512.733+/-1.237 χ^2/NDF: 1430197.0/16

Left Out: 6236.635+/-1.046 χ^2/NDF:1067665.4/23

Right Out: 4497.873+/-1.166 χ^2/NDF: 2080840.0/19

Left In: 6170.789+/-1.040 χ^2/NDF:1237564.5/22

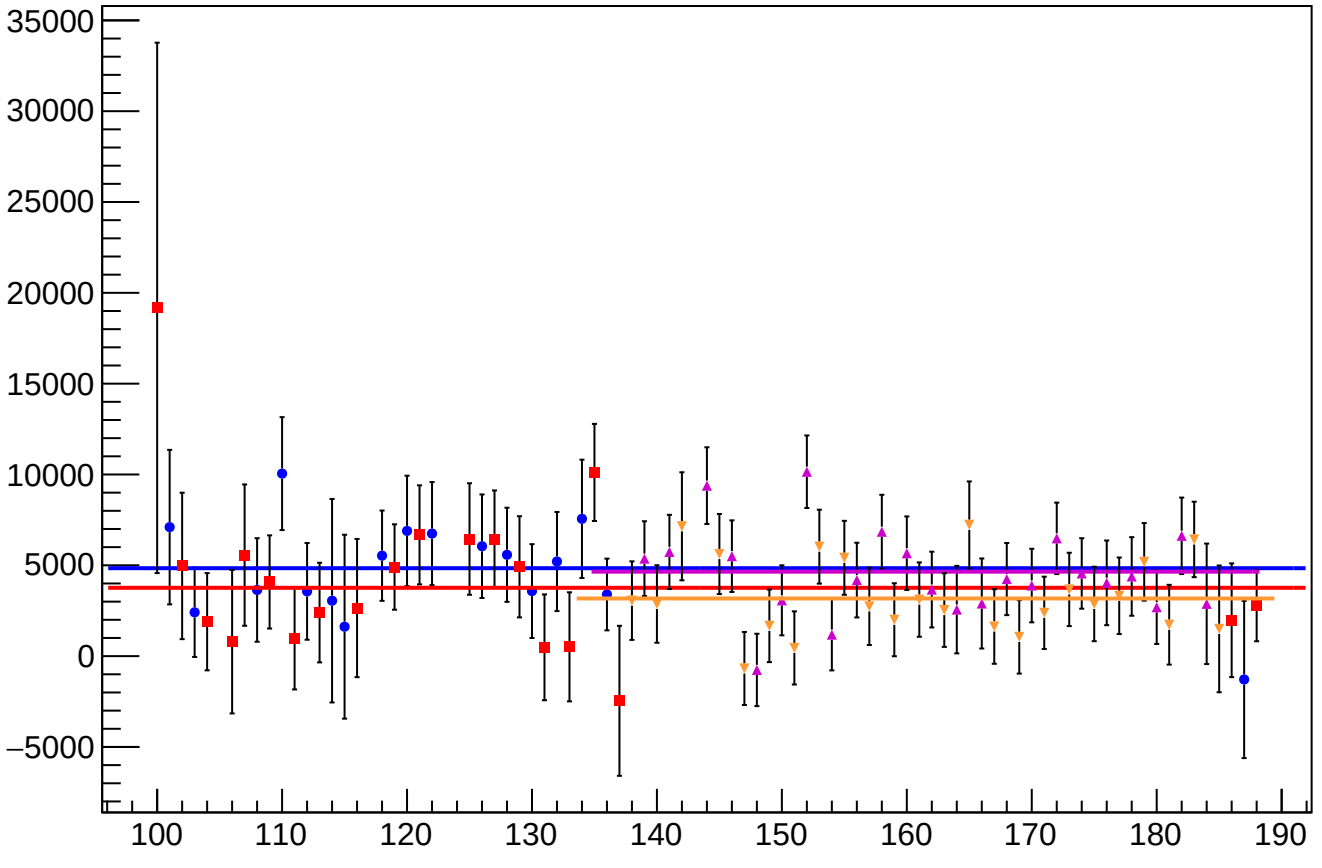
Left: 6203.546+/-0.738 χ^2/NDF: 2307222.5/46

Right: 4504.863+/-0.849 χ^2/NDF: 3511113.4/36

In: 5483.969+/-0.796 χ^2/NDF:3719789.8/39

Out: 5461.556+/-0.778 χ^2/NDF:4381037.7/43

All: 5472.509+/-0.557 χ^2/NDF: 8101232.6/83



Right In: 4840.582+/-704.537 χ^2/NDF: 9.7/16

Left Out: 3174.550+/-434.815 χ^2/NDF:21.6/23

Right Out: 3762.109+/-659.792 χ^2/NDF: 18.1/19

Left In: 4650.461+/-436.198 χ^2/NDF:30.5/22

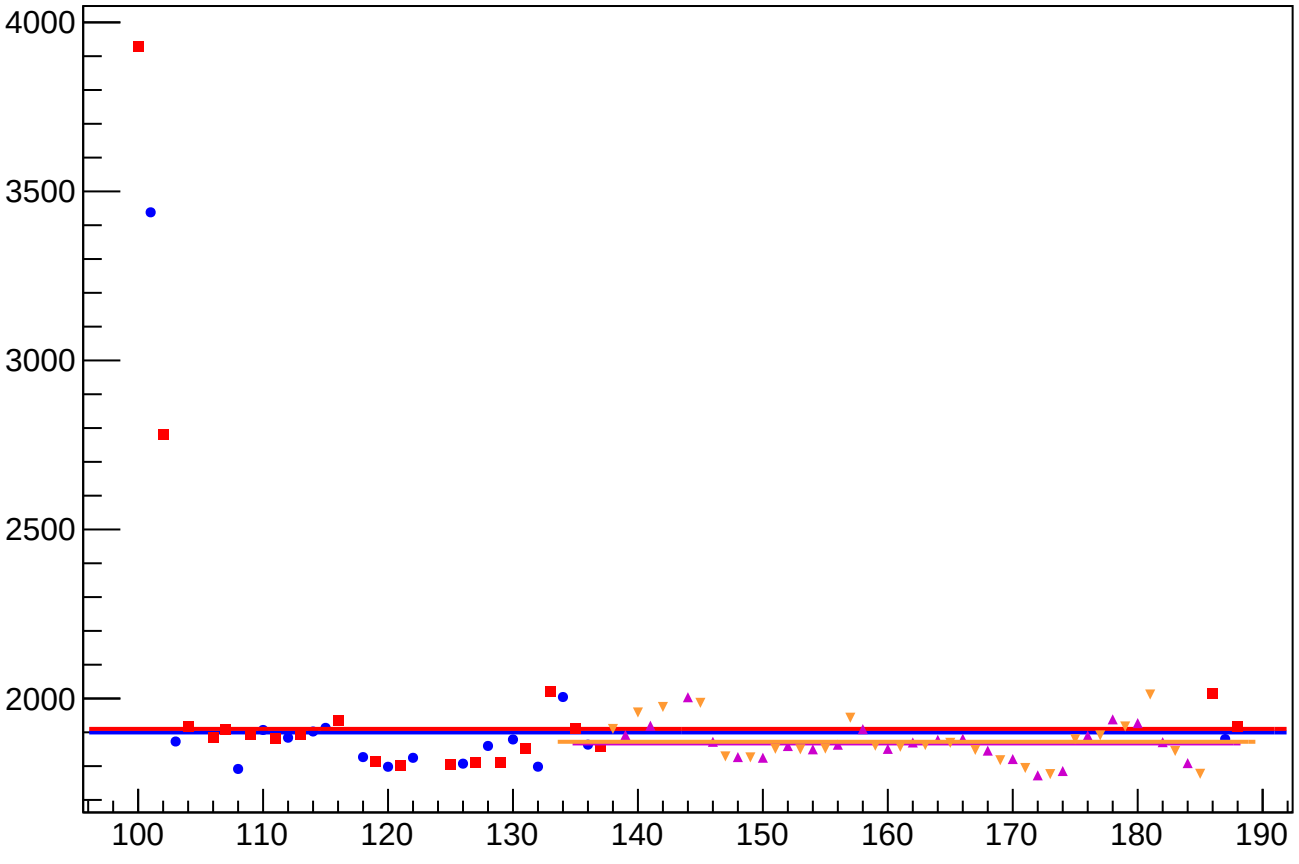
Left: 3910.162+/-307.948 χ^2/NDF: 57.8/46

Right: 4266.014+/-481.585 χ^2/NDF: 29.0/36

In: 4703.144+/-370.871 χ^2/NDF:40.3/39

Out: 3352.462+/-363.065 χ^2/NDF:40.2/43

All: 4013.438+/-259.441 χ^2/NDF: 87.2/83



Right In: 1899.580+/-0.498 χ^2/NDF: 278490.1/16

Left Out: 1871.979+/-0.307 χ^2/NDF:37154.8/23

Right Out: 1910.146+/-0.466 χ^2/NDF: 152511.8/19

Left In: 1867.079+/-0.308 χ^2/NDF:27246.7/22

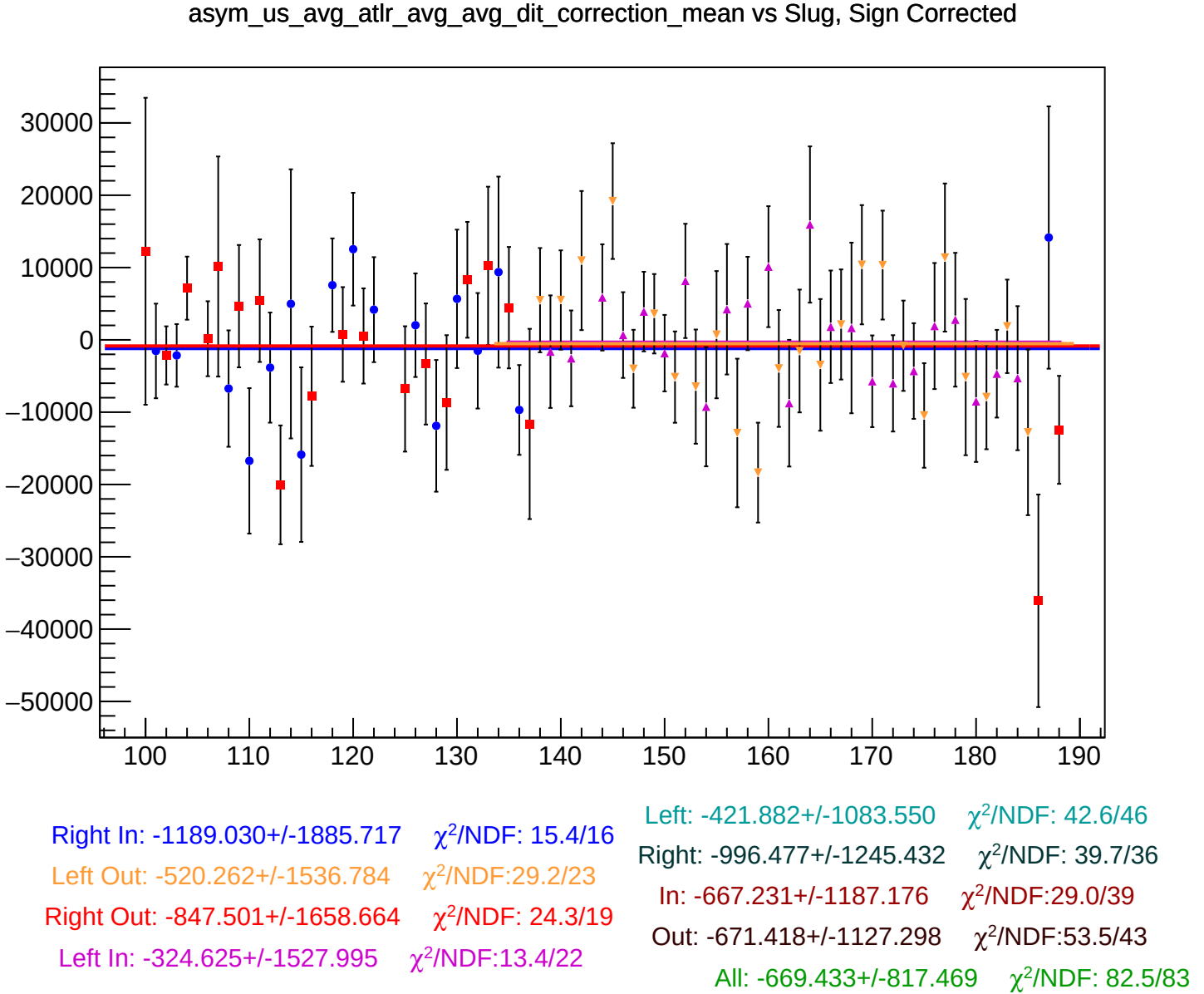
Left: 1869.537+/-0.218 χ^2/NDF: 64528.1/46

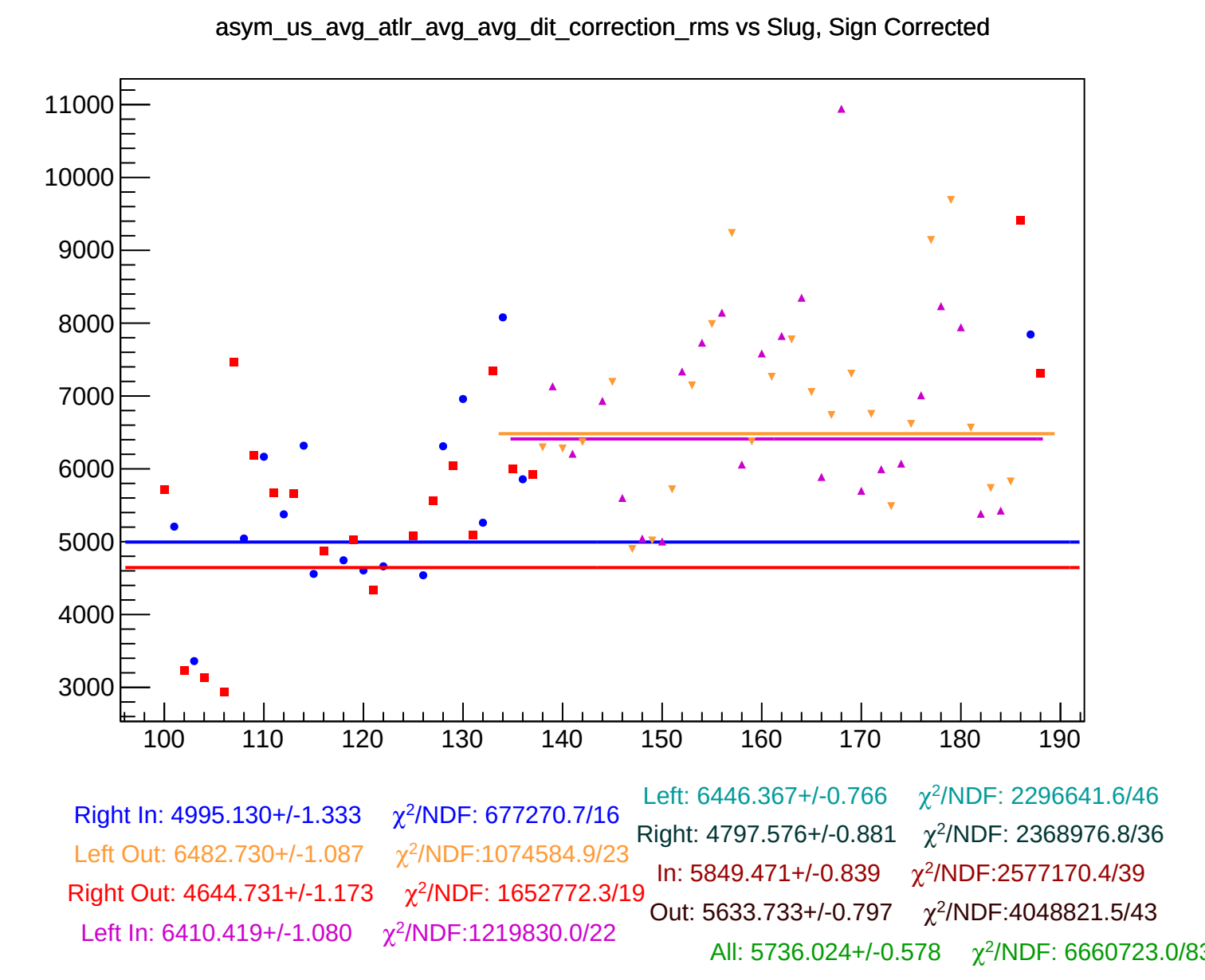
Right: 1905.214+/-0.340 χ^2/NDF: 431241.8/36

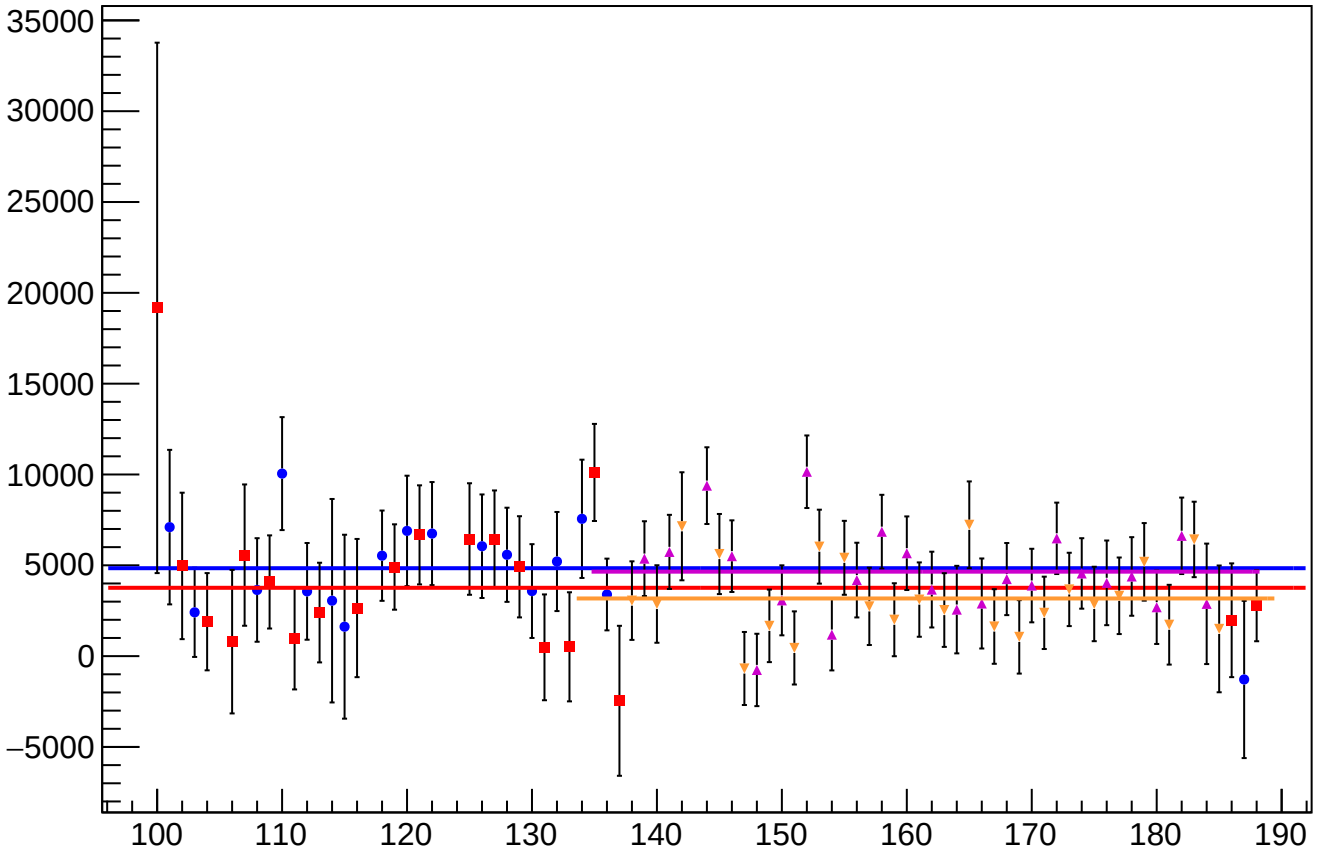
In: 1876.085+/-0.262 χ^2/NDF:308813.5/39

Out: 1883.551+/-0.257 χ^2/NDF:194338.6/43

All: 1879.898+/-0.183 χ^2/NDF: 503566.1/83


asym_us_avg_atlr_avg_avg_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
−40000
−50000
100
110
120
130
140
150
160
170
180
190
Right In: -1189.030+/-1885.717 χ²/NDF: 15.4/16
Left Out: -520.262+/-1536.784 χ²/NDF:29.2/23
Right Out: -847.501+/-1658.664 χ²/NDF: 24.3/19
Left In: -324.625+/-1527.995 χ²/NDF:13.4/22
Left: -421.882+/-1083.550 χ²/NDF: 42.6/46
Right: -996.477+/-1245.432 χ²/NDF: 39.7/36
In: -667.231+/-1187.176 χ²/NDF:29.0/39
Out: -671.418+/-1127.298 χ²/NDF:53.5/43
All: -669.433+/-817.469 χ²/NDF: 82.5/83


asym_us_avg_atlr_avg_avg_dit_correction_rms vs Slug, Sign Corrected
11000
10000
9000
8000
7000
6000
5000
4000
3000
100
110
120
130
140
150
160
170
180
190
Right In: 4995.130+/-1.333 χ²/NDF: 677270.7/16
Left Out: 6482.730+/-1.087 χ²/NDF:1074584.9/23
Right Out: 4644.731+/-1.173 χ²/NDF: 1652772.3/19
Left In: 6410.419+/-1.080 χ²/NDF:1219830.0/22
Left: 6446.367+/-0.766 χ²/NDF: 2296641.6/46
Right: 4797.576+/-0.881 χ²/NDF: 2368976.8/36
In: 5849.471+/-0.839 χ²/NDF:2577170.4/39
Out: 5633.733+/-0.797 χ²/NDF:4048821.5/43
All: 5736.024+/-0.578 χ²/NDF: 6660723.0/83



Right In: 4840.581+/-704.536 χ^2/NDF: 9.7/16

Left Out: 3174.543+/-434.815 χ^2/NDF:21.6/23

Right Out: 3762.108+/-659.792 χ^2/NDF: 18.1/19

Left In: 4650.462+/-436.198 χ^2/NDF:30.5/22

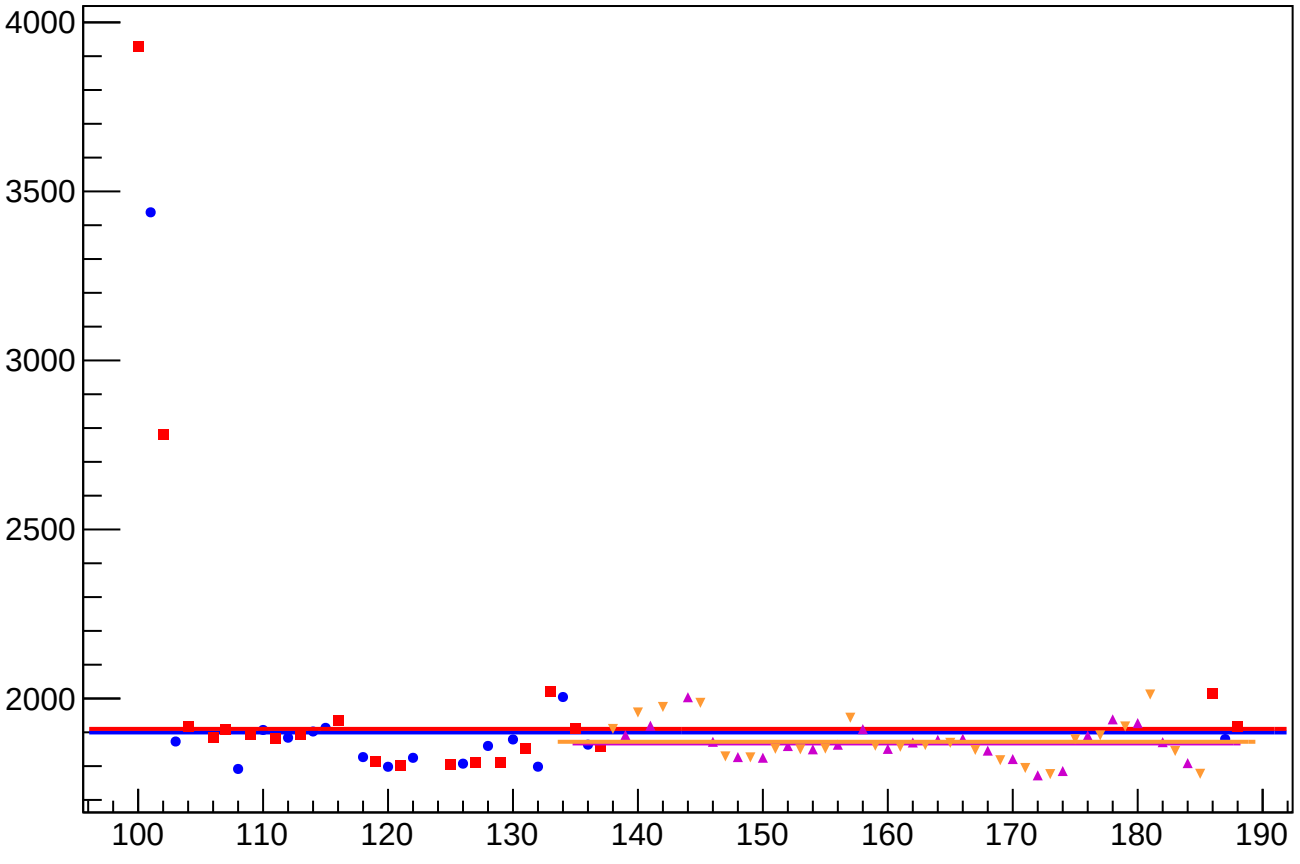
Left: 3910.160+/-307.949 χ^2/NDF: 57.8/46

Right: 4266.013+/-481.585 χ^2/NDF: 29.0/36

In: 4703.144+/-370.871 χ^2/NDF:40.3/39

Out: 3352.457+/-363.065 χ^2/NDF:40.2/43

All: 4013.436+/-259.441 χ^2/NDF: 87.2/83



Right In: 1899.579+/-0.498 χ^2/NDF: 278490.3/16

Left Out: 1871.981+/-0.307 χ^2/NDF:37155.9/23

Right Out: 1910.146+/-0.466 χ^2/NDF: 152511.1/19

Left In: 1867.080+/-0.308 χ^2/NDF:27247.8/22

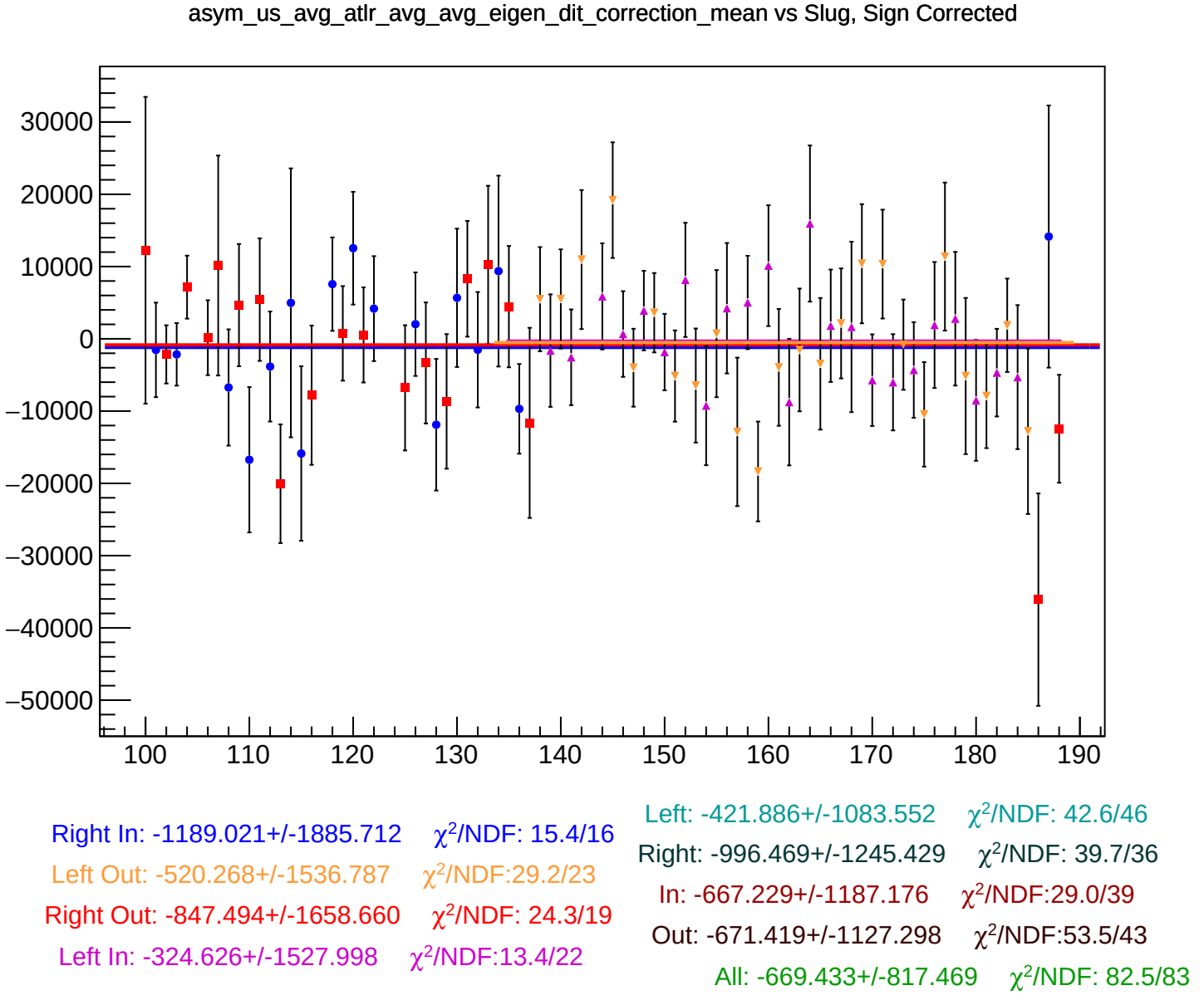
Left: 1869.538+/-0.218 χ^2/NDF: 64530.3/46

Right: 1905.213+/-0.340 χ^2/NDF: 431241.3/36

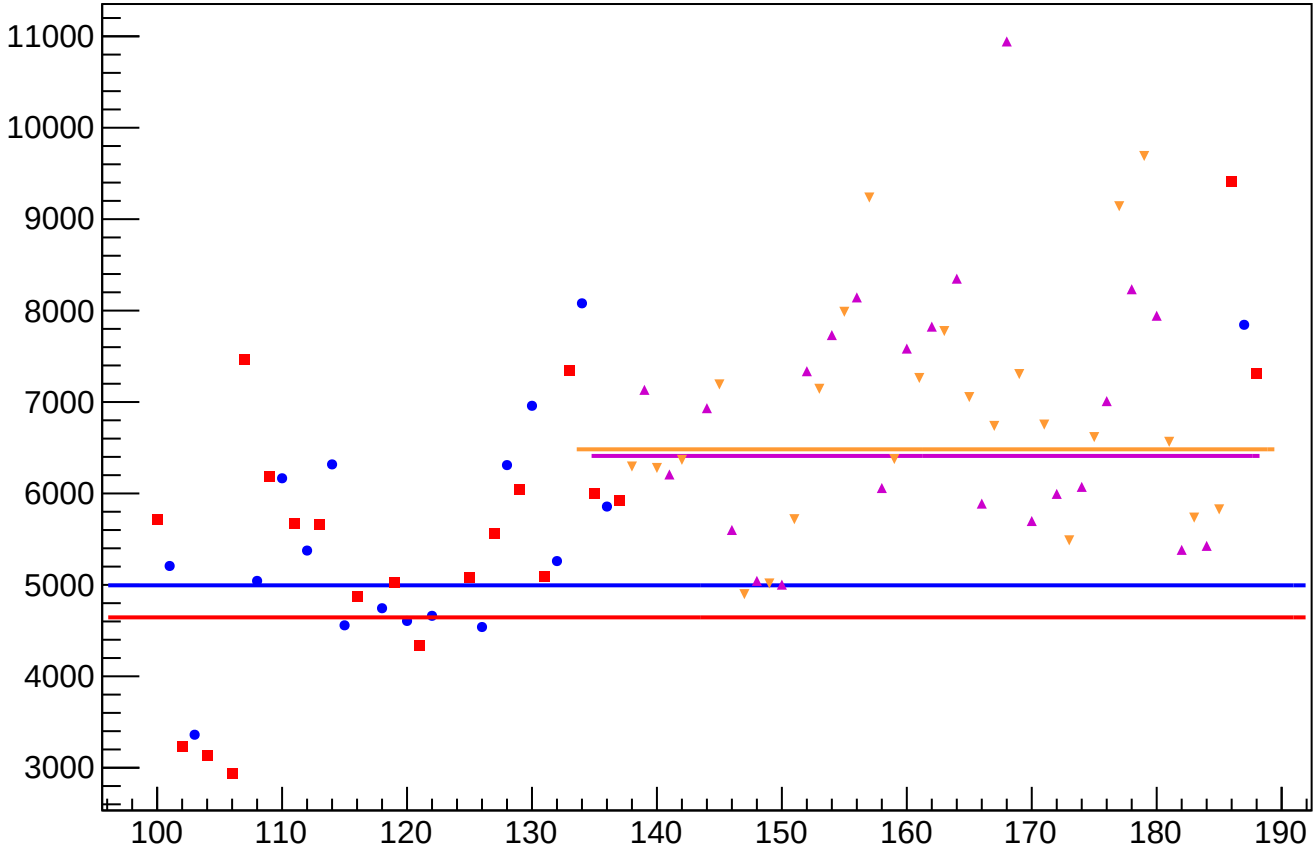
In: 1876.086+/-0.262 χ^2/NDF:308814.5/39

Out: 1883.552+/-0.257 χ^2/NDF:194338.4/43

All: 1879.899+/-0.183 χ^2/NDF: 503566.9/83


asym_us_avg_atlr_avg_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
−40000
−50000
100
110
120
130
140
150
160
170
180
190
Right In: -1189.021+/-1885.712 χ²/NDF: 15.4/16
Left Out: -520.268+/-1536.787 χ²/NDF:29.2/23
Right Out: -847.494+/-1658.660 χ²/NDF: 24.3/19
Left In: -324.626+/-1527.998 χ²/NDF:13.4/22
Left: -421.886+/-1083.552 χ²/NDF: 42.6/46
Right: -996.469+/-1245.429 χ²/NDF: 39.7/36
In: -667.229+/-1187.176 χ²/NDF:29.0/39
Out: -671.419+/-1127.298 χ²/NDF:53.5/43
All: -669.433+/-817.469 χ²/NDF: 82.5/83

asym_us_avg_atlr_avg_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 4995.117+/-1.333 χ^2/NDF: 677273.9/16

Left Out: 6482.740+/-1.087 χ^2/NDF:1074587.3/23

Right Out: 4644.720+/-1.173 χ^2/NDF: 1652776.4/19

Left In: 6410.429+/-1.080 χ^2/NDF:1219833.0/22

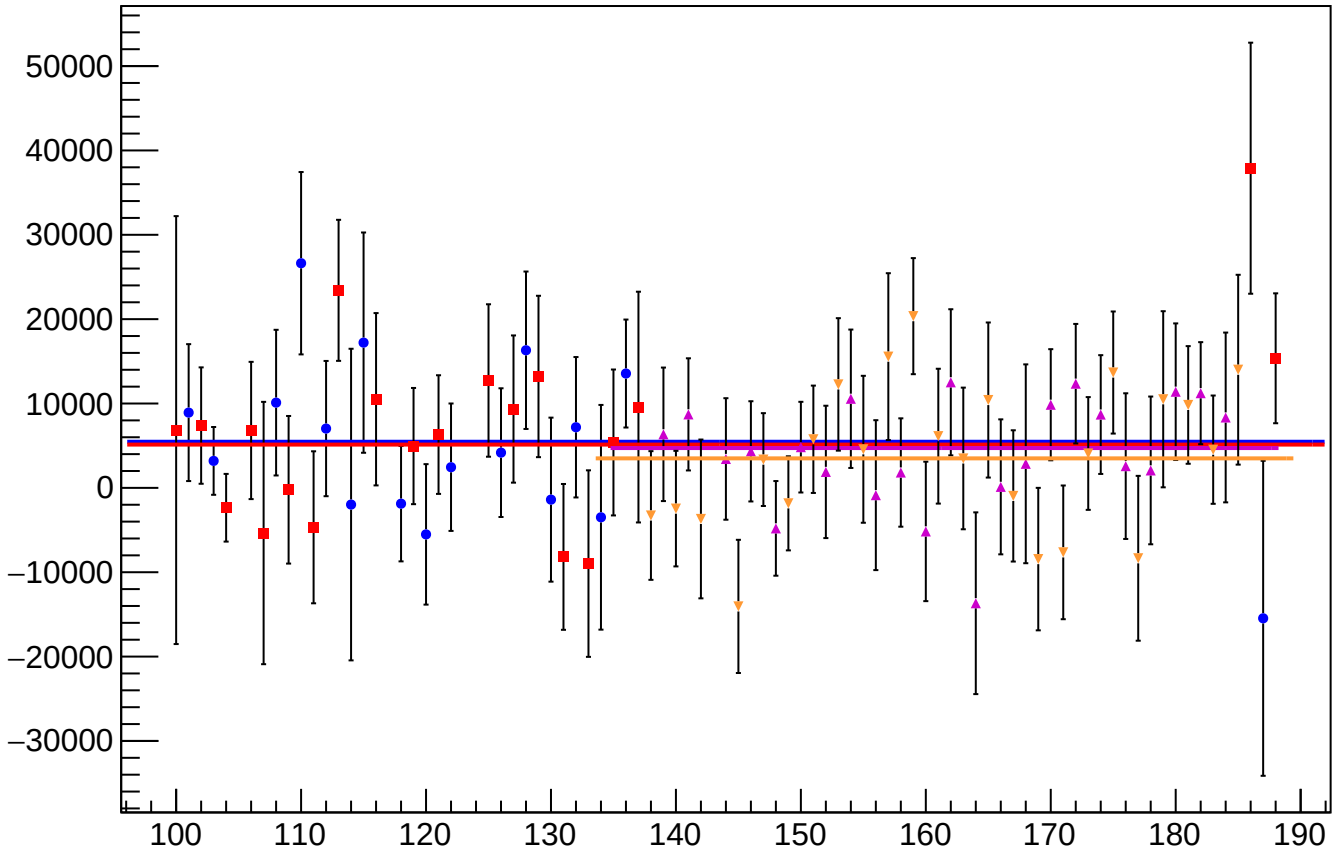
Left: 6446.377+/-0.766 χ^2/NDF: 2296647.1/46

Right: 4797.564+/-0.881 χ^2/NDF: 2368984.0/36

In: 5849.470+/-0.839 χ^2/NDF:2577200.0/39

Out: 5633.730+/-0.797 χ^2/NDF:4048861.1/43

All: 5736.022+/-0.578 χ^2/NDF: 6660792.8/83



Right In: 5466.782+/-1948.516 χ^2/NDF: 13.9/16

Left Out: 3497.162+/-1545.839 χ^2/NDF:27.5/23

Right Out: 5131.479+/-1849.053 χ^2/NDF: 23.1/19

Left In: 4719.535+/-1539.177 χ^2/NDF:14.3/22

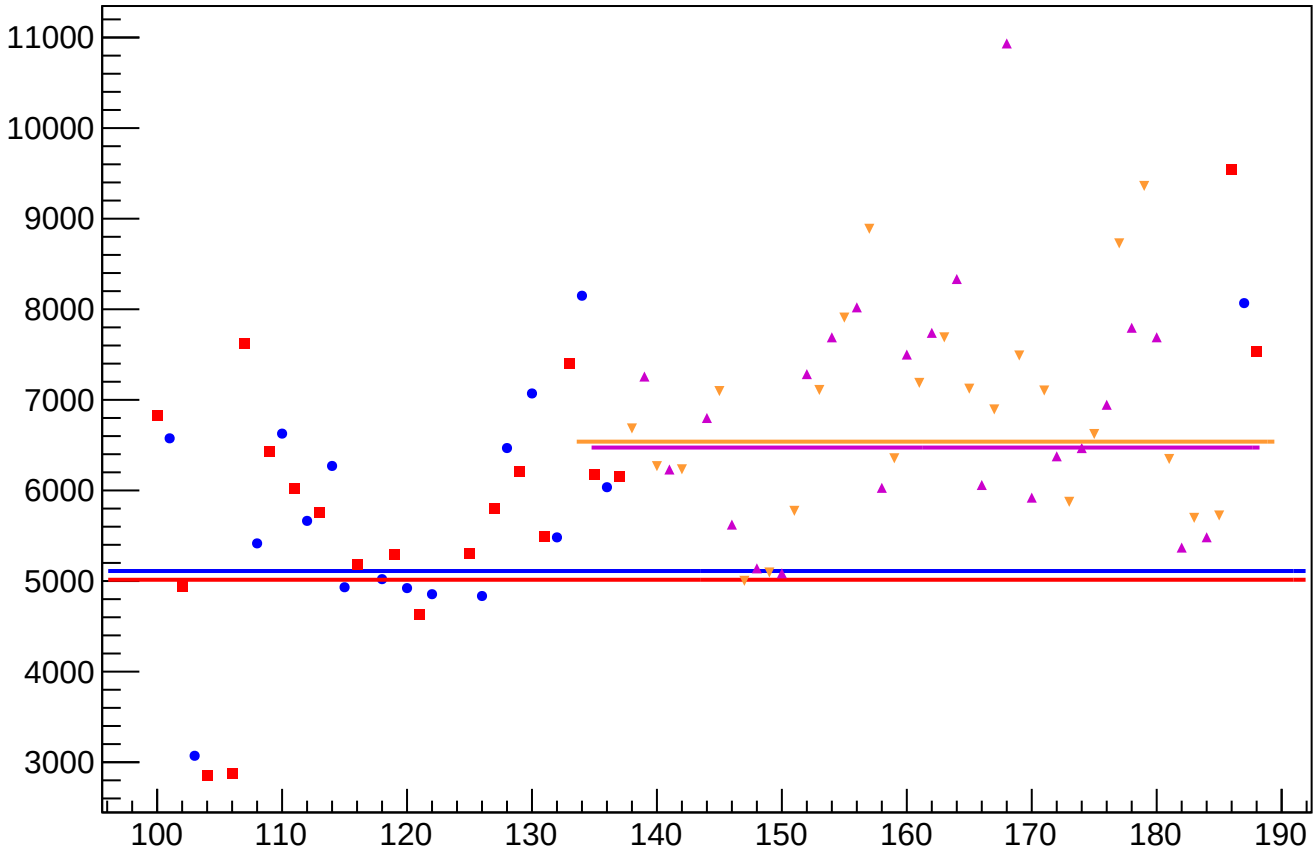
Left: 4110.988+/-1090.710 χ^2/NDF: 42.1/46

Right: 5290.355+/-1341.262 χ^2/NDF: 37.0/36

In: 5006.648+/-1207.810 χ^2/NDF:28.3/39

Out: 4169.507+/-1185.980 χ^2/NDF:51.0/43

All: 4580.444+/-846.227 χ^2/NDF: 79.6/83



Right In: 5110.718+/-1.378 χ^2/NDF: 969935.1/16

Left Out: 6538.706+/-1.093 χ^2/NDF:920612.0/23

Right Out: 5014.033+/-1.283 χ^2/NDF: 1589604.9/19

Left In: 6473.481+/-1.088 χ^2/NDF:1071757.3/22

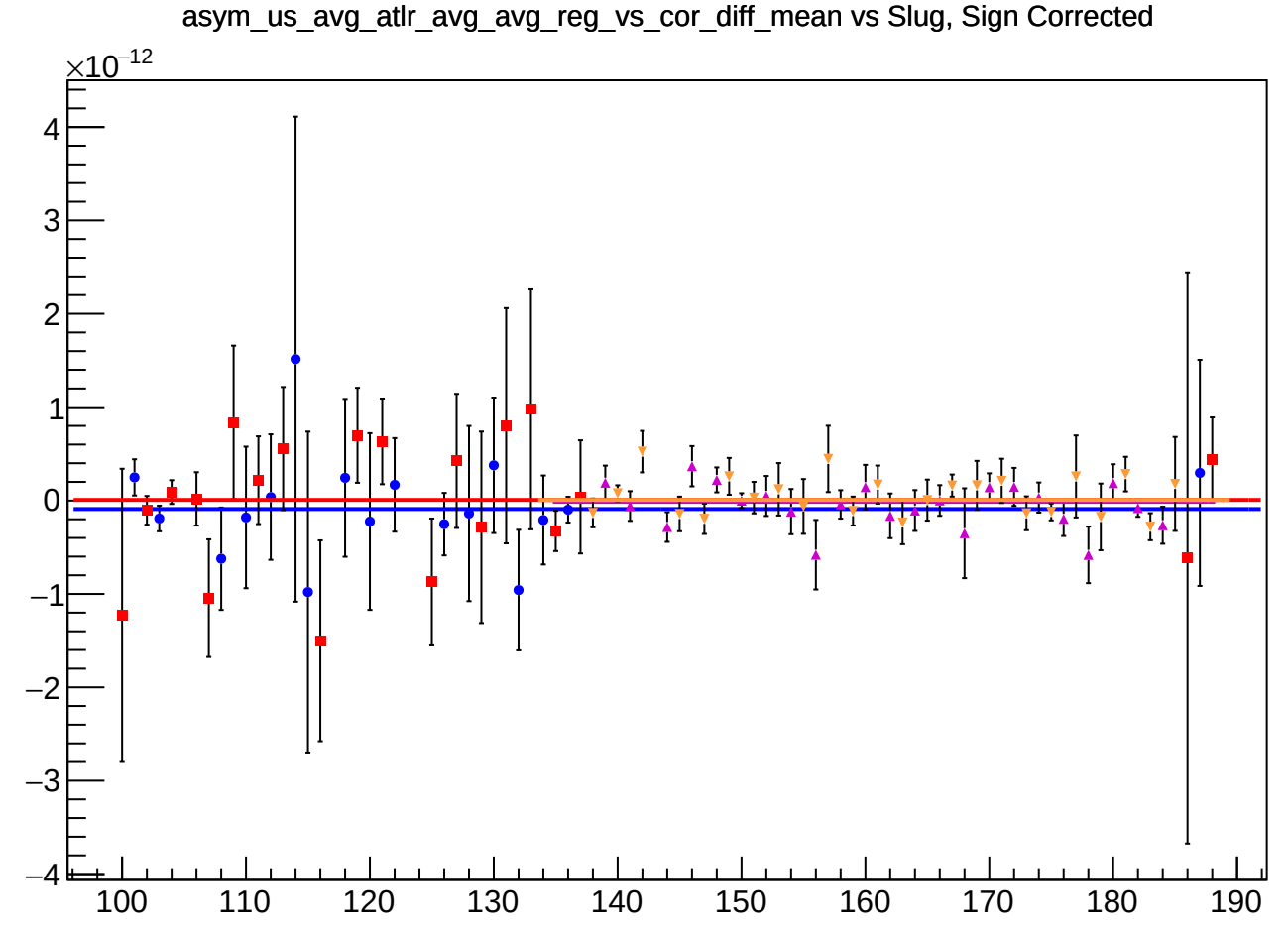
Left: 6505.953+/-0.771 χ^2/NDF: 1994157.3/46

Right: 5058.936+/-0.939 χ^2/NDF: 2562177.4/36

In: 5949.859+/-0.854 χ^2/NDF:2644101.0/39

Out: 5897.477+/-0.832 χ^2/NDF:3328477.8/43

All: 5922.985+/-0.596 χ^2/NDF: 5974508.8/83



Right In: -0.000+/-0.000 χ^2/NDF: 8.3/16

Left Out: 0.000+/-0.000 χ^2/NDF:27.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 18.4/19

Left In: -0.000+/-0.000 χ^2/NDF:24.0/22

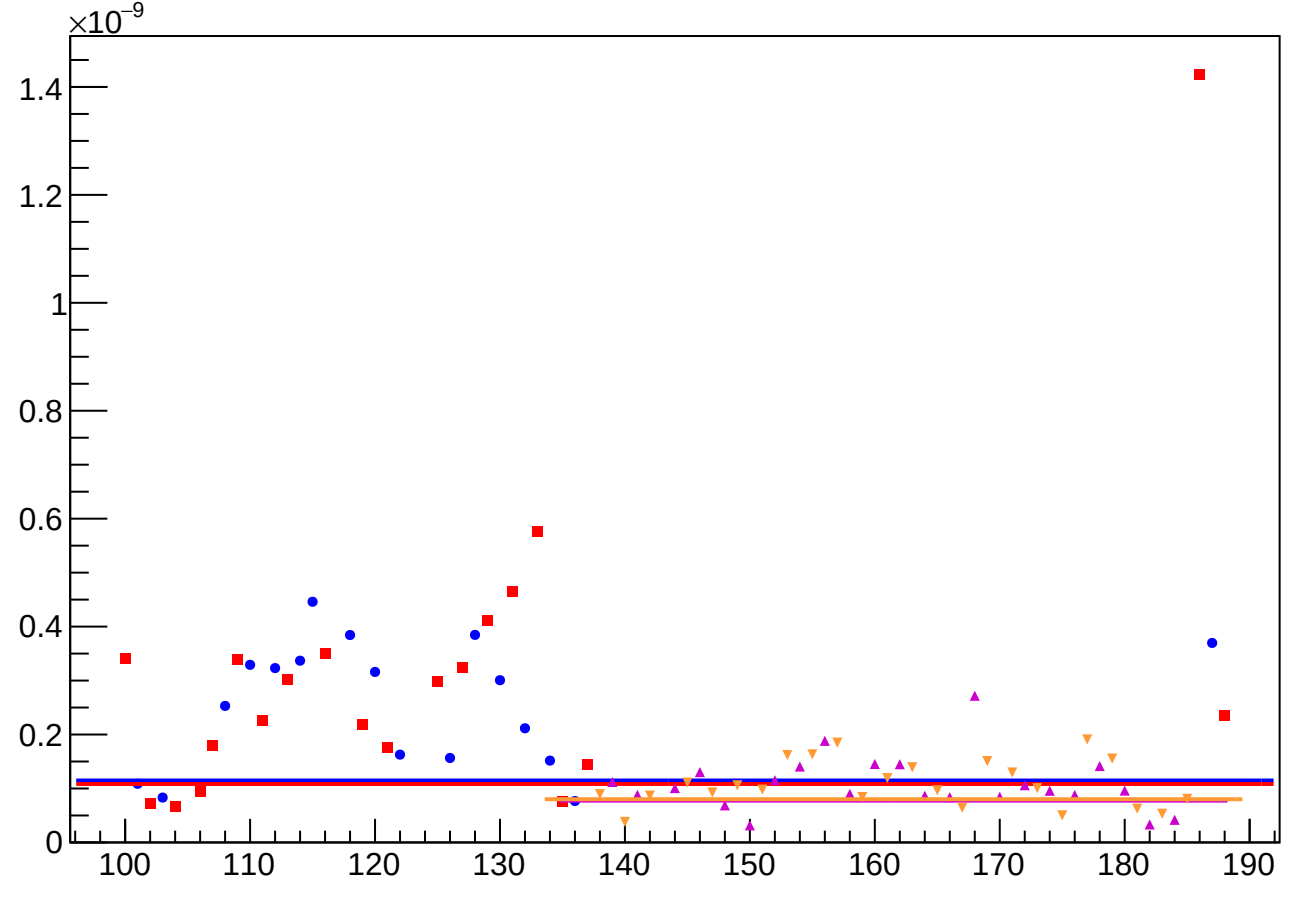
Left: -0.000+/-0.000 χ^2/NDF: 51.3/46

Right: -0.000+/-0.000 χ^2/NDF: 27.5/36

In: -0.000+/-0.000 χ^2/NDF:33.1/39

Out: 0.000+/-0.000 χ^2/NDF:45.5/43

All: -0.000+/-0.000 χ^2/NDF: 79.2/83



Right In: 0.000+/-0.000 χ^2/NDF: 1613915.3/16

Left Out: 0.000+/-0.000 χ^2/NDF:2153227.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 2622726.0/19

Left In: 0.000+/-0.000 χ^2/NDF:2642331.8/22

Left: 0.000+/-0.000 χ^2/NDF: 4801129.7/46

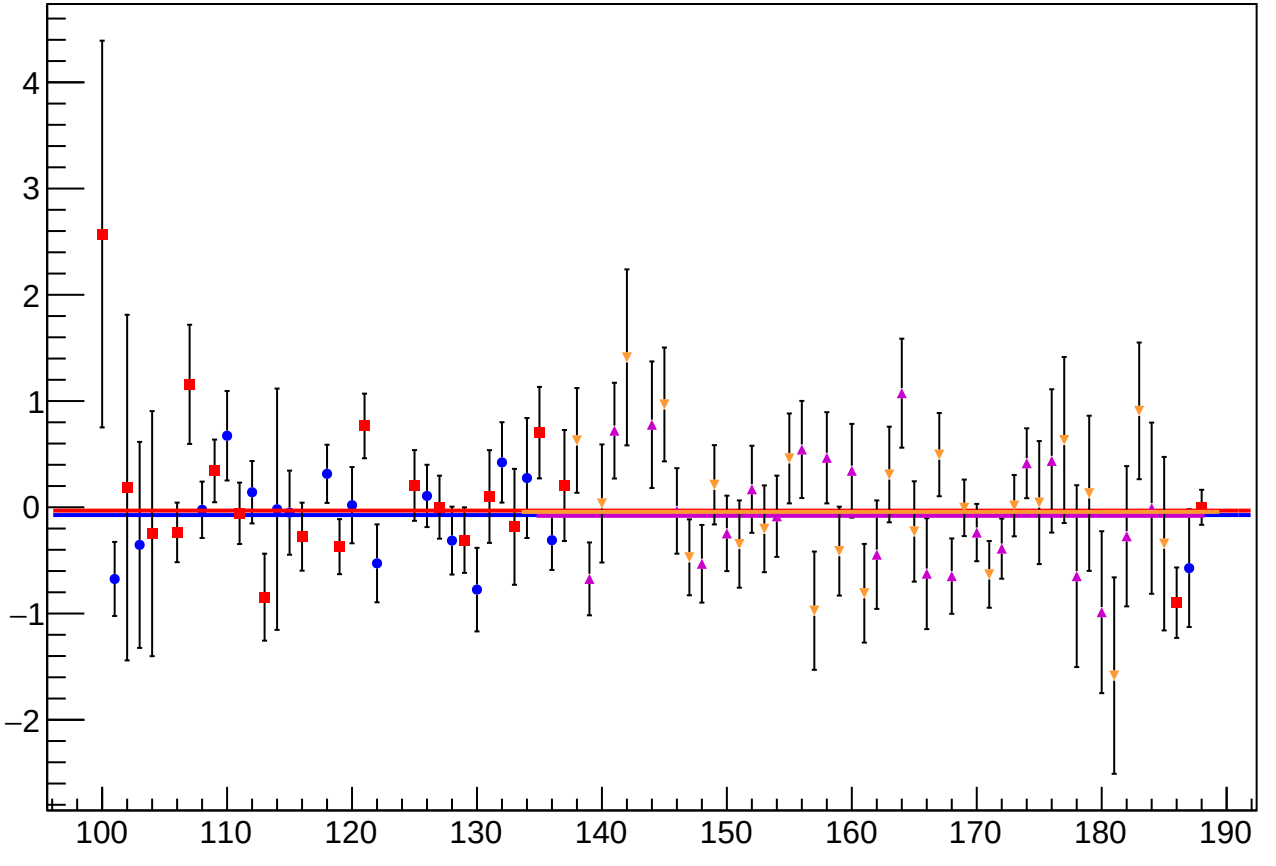
Right: 0.000+/-0.000 χ^2/NDF: 4243606.7/36

In: 0.000+/-0.000 χ^2/NDF:4641287.6/39

Out: 0.000+/-0.000 χ^2/NDF:5004010.9/43

All: 0.000+/-0.000 χ^2/NDF: 9647288.1/83

asym_us_avg_atlr_avg_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.073+/-0.088 χ^2/NDF: 18.1/16

Left Out: -0.043+/-0.090 χ^2/NDF:31.0/23

Right Out: -0.031+/-0.075 χ^2/NDF: 33.3/19

Left In: -0.080+/-0.088 χ^2/NDF:30.3/22

Left: -0.062+/-0.063 χ^2/NDF: 61.4/46

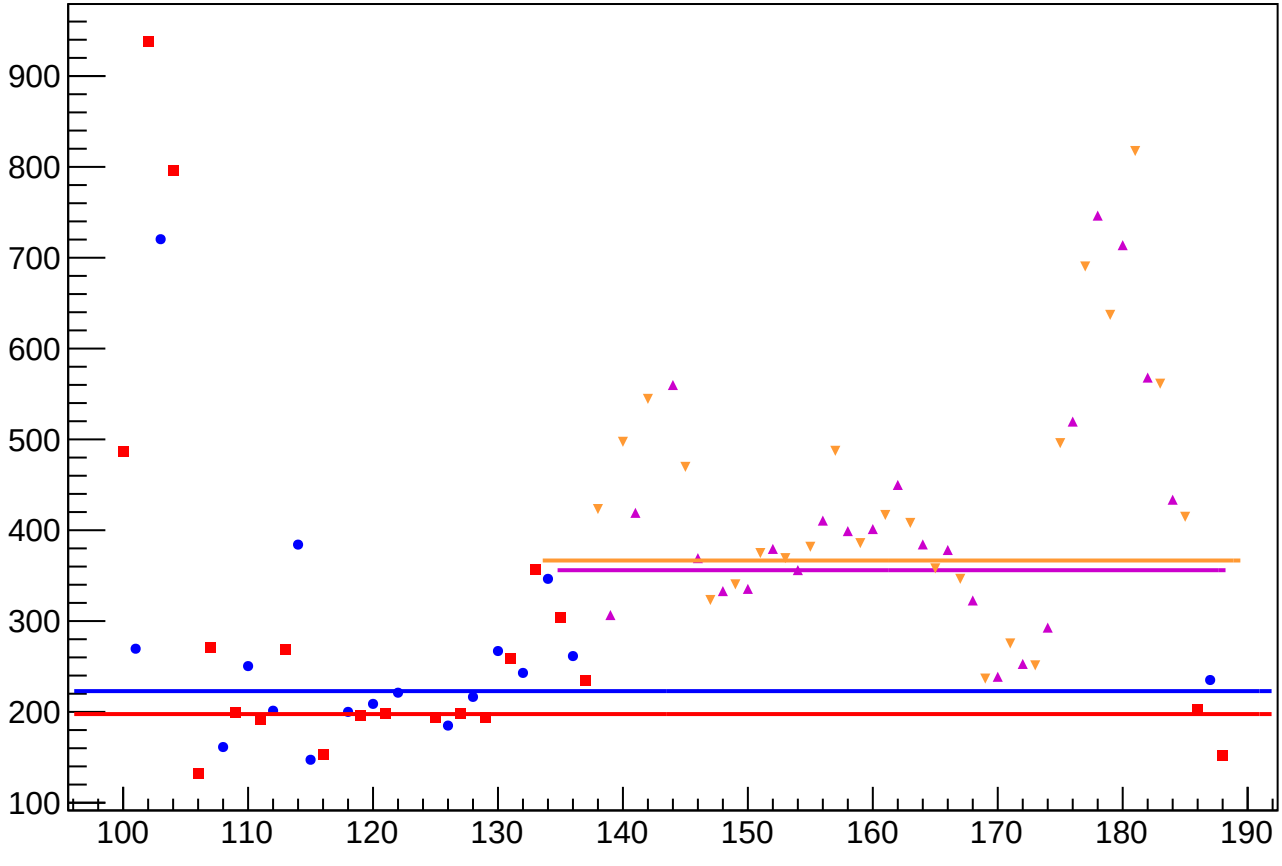
Right: -0.049+/-0.057 χ^2/NDF: 51.6/36

In: -0.077+/-0.062 χ^2/NDF:48.5/39

Out: -0.036+/-0.058 χ^2/NDF:64.3/43

All: -0.055+/-0.042 χ^2/NDF: 113.0/83

asym_us_avg_atlr_avg_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 222.882+/-0.062 χ^2/NDF: 1019774.1/16

Left Out: 366.670+/-0.064 χ^2/NDF:2841071.8/23

Right Out: 197.611+/-0.053 χ^2/NDF: 1744233.2/19

Left In: 355.992+/-0.062 χ^2/NDF:2420701.1/22

Left: 361.170+/-0.045 χ^2/NDF: 5276130.6/46

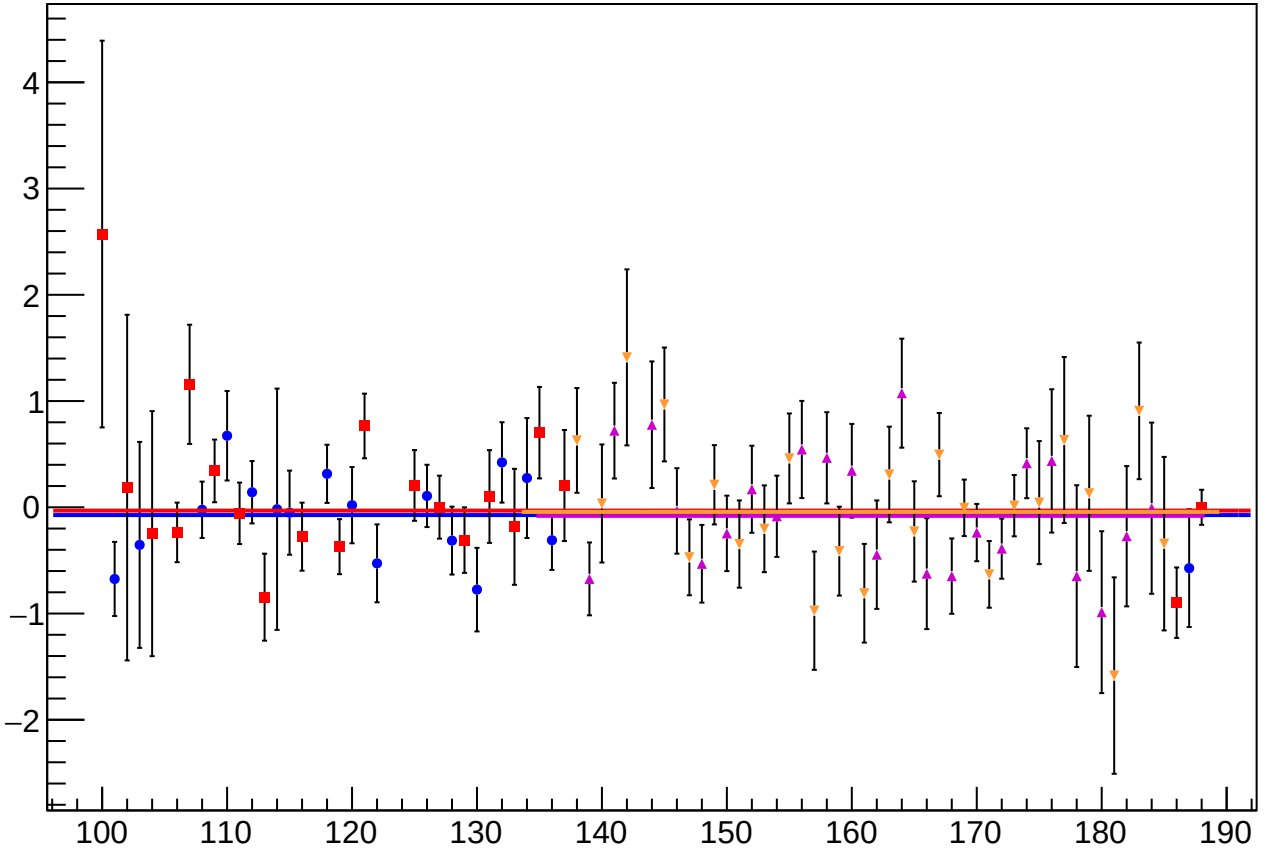
Right: 208.347+/-0.040 χ^2/NDF: 2859860.0/36

In: 289.267+/-0.044 χ^2/NDF:5746463.8/39

Out: 266.742+/-0.041 χ^2/NDF:8714624.5/43

All: 277.228+/-0.030 χ^2/NDF: 14602267.4/83

asym_us_avg_atlr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.073+/-0.088 χ^2/NDF: 18.1/16

Left Out: -0.043+/-0.090 χ^2/NDF:31.0/23

Right Out: -0.031+/-0.075 χ^2/NDF: 33.3/19

Left In: -0.080+/-0.088 χ^2/NDF:30.3/22

Left: -0.062+/-0.063 χ^2/NDF: 61.4/46

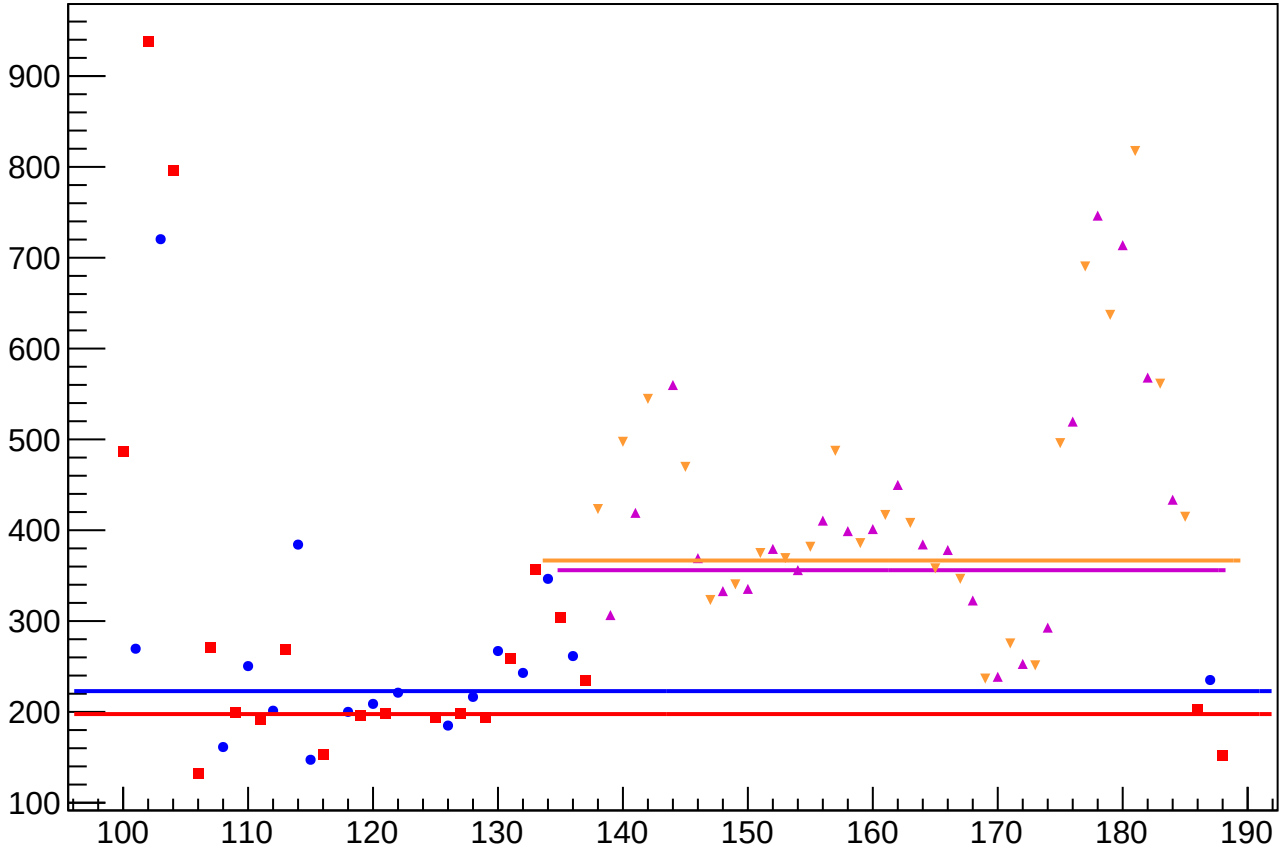
Right: -0.049+/-0.057 χ^2/NDF: 51.6/36

In: -0.077+/-0.062 χ^2/NDF:48.5/39

Out: -0.036+/-0.058 χ^2/NDF:64.3/43

All: -0.055+/-0.042 χ^2/NDF: 113.0/83

asym_us_avg_atlr_avg_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 222.882+/-0.062 χ^2/NDF: 1019774.1/16

Left Out: 366.670+/-0.064 χ^2/NDF:2841071.8/23

Right Out: 197.611+/-0.053 χ^2/NDF: 1744233.2/19

Left In: 355.992+/-0.062 χ^2/NDF:2420701.1/22

Left: 361.170+/-0.045 χ^2/NDF: 5276130.6/46

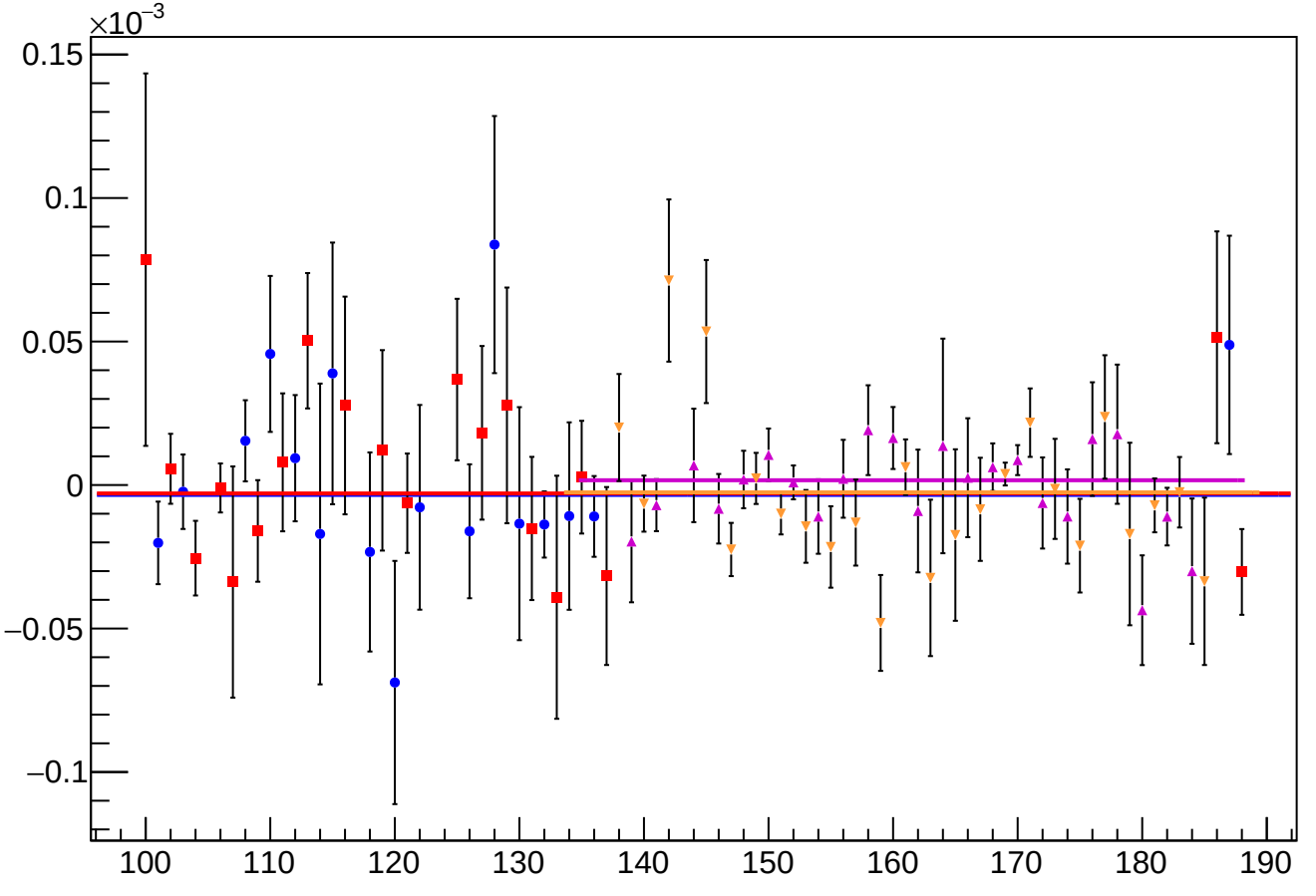
Right: 208.347+/-0.040 χ^2/NDF: 2859860.0/36

In: 289.267+/-0.044 χ^2/NDF:5746463.8/39

Out: 266.742+/-0.041 χ^2/NDF:8714624.5/43

All: 277.228+/-0.030 χ^2/NDF: 14602267.4/83

asym_us_avg_atlr_avg_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 17.6/16

Left Out: -0.000+/-0.000 χ^2/NDF:43.5/23

Right Out: -0.000+/-0.000 χ^2/NDF: 22.9/19

Left In: 0.000+/-0.000 χ^2/NDF:20.7/22

Left: -0.000+/-0.000 χ^2/NDF: 65.9/46

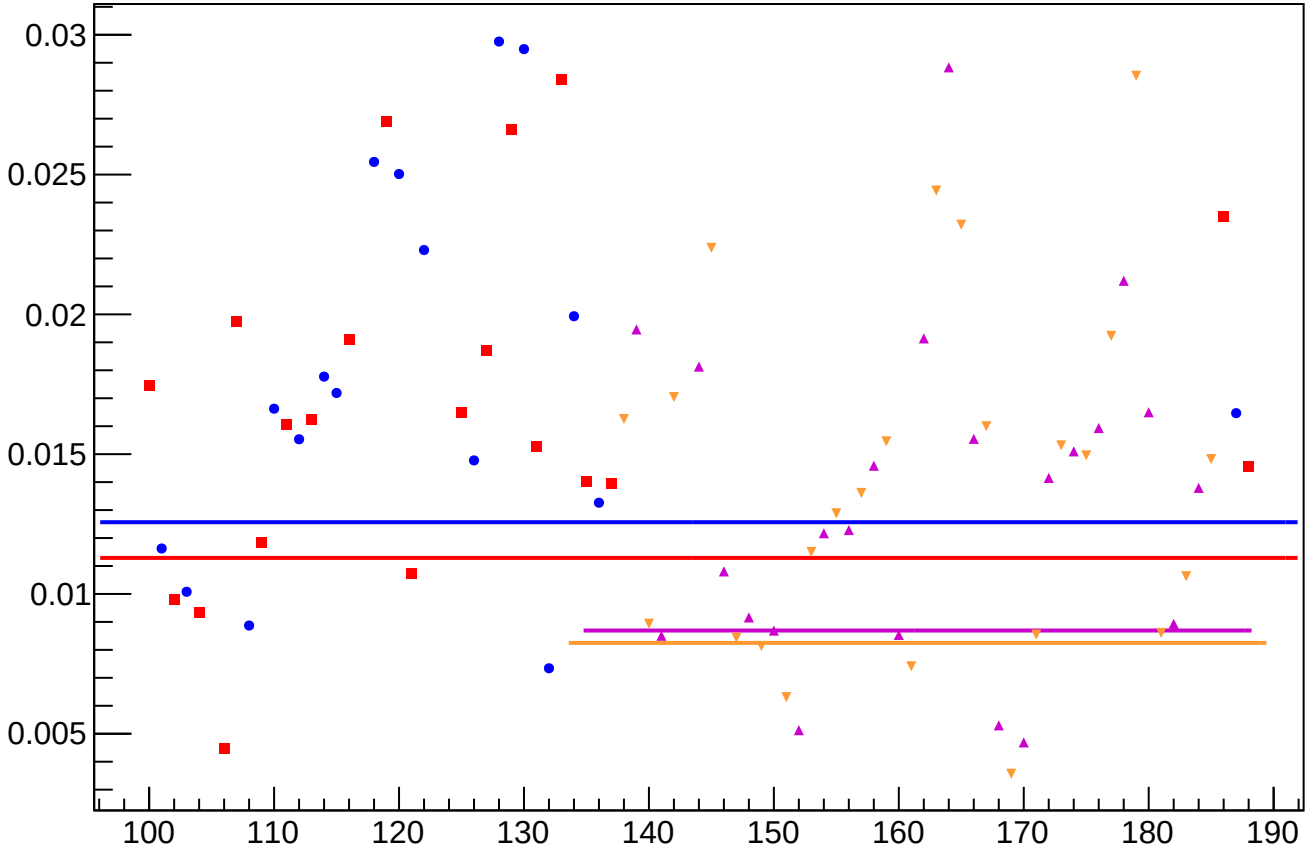
Right: -0.000+/-0.000 χ^2/NDF: 40.5/36

In: 0.000+/-0.000 χ^2/NDF:39.1/39

Out: -0.000+/-0.000 χ^2/NDF:66.4/43

All: -0.000+/-0.000 χ^2/NDF: 106.9/83

asym_us_avg_atlr_avg_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.013+/-0.000 χ^2/NDF: 2136378.1/16

Left Out: 0.008+/-0.000 χ^2/NDF:8879581.2/23

Right Out: 0.011+/-0.000 χ^2/NDF: 3325603.4/19

Left In: 0.009+/-0.000 χ^2/NDF:6875072.4/22

Left: 0.008+/-0.000 χ^2/NDF: 15791427.0/46

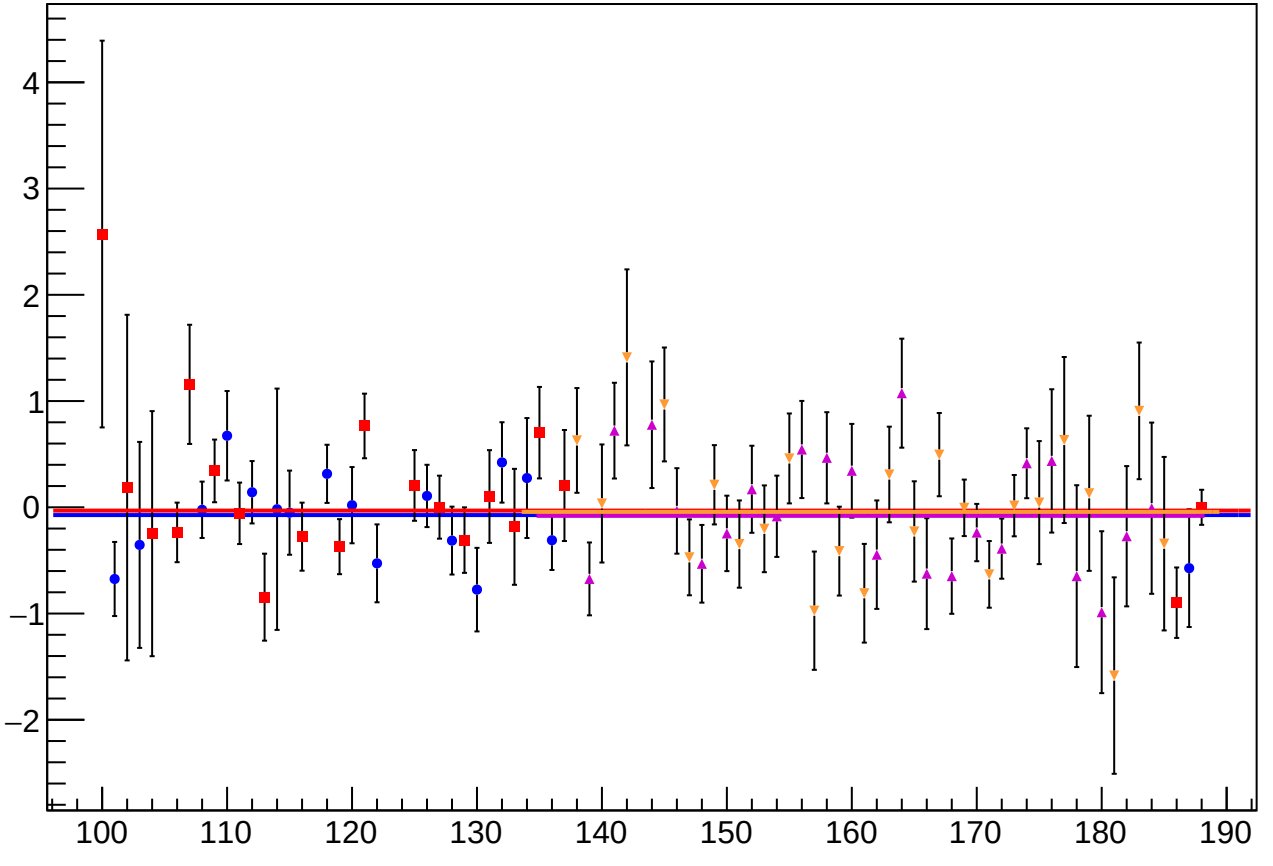
Right: 0.012+/-0.000 χ^2/NDF: 5535456.6/36

In: 0.009+/-0.000 χ^2/NDF:9981490.5/39

Out: 0.009+/-0.000 χ^2/NDF:12972454.1/43

All: 0.009+/-0.000 χ^2/NDF: 23009288.0/83

asym_us_avg_atlr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.073+/-0.088 χ^2/NDF: 18.1/16

Left Out: -0.043+/-0.090 χ^2/NDF:31.0/23

Right Out: -0.031+/-0.075 χ^2/NDF: 33.3/19

Left In: -0.080+/-0.088 χ^2/NDF:30.3/22

Left: -0.062+/-0.063 χ^2/NDF: 61.4/46

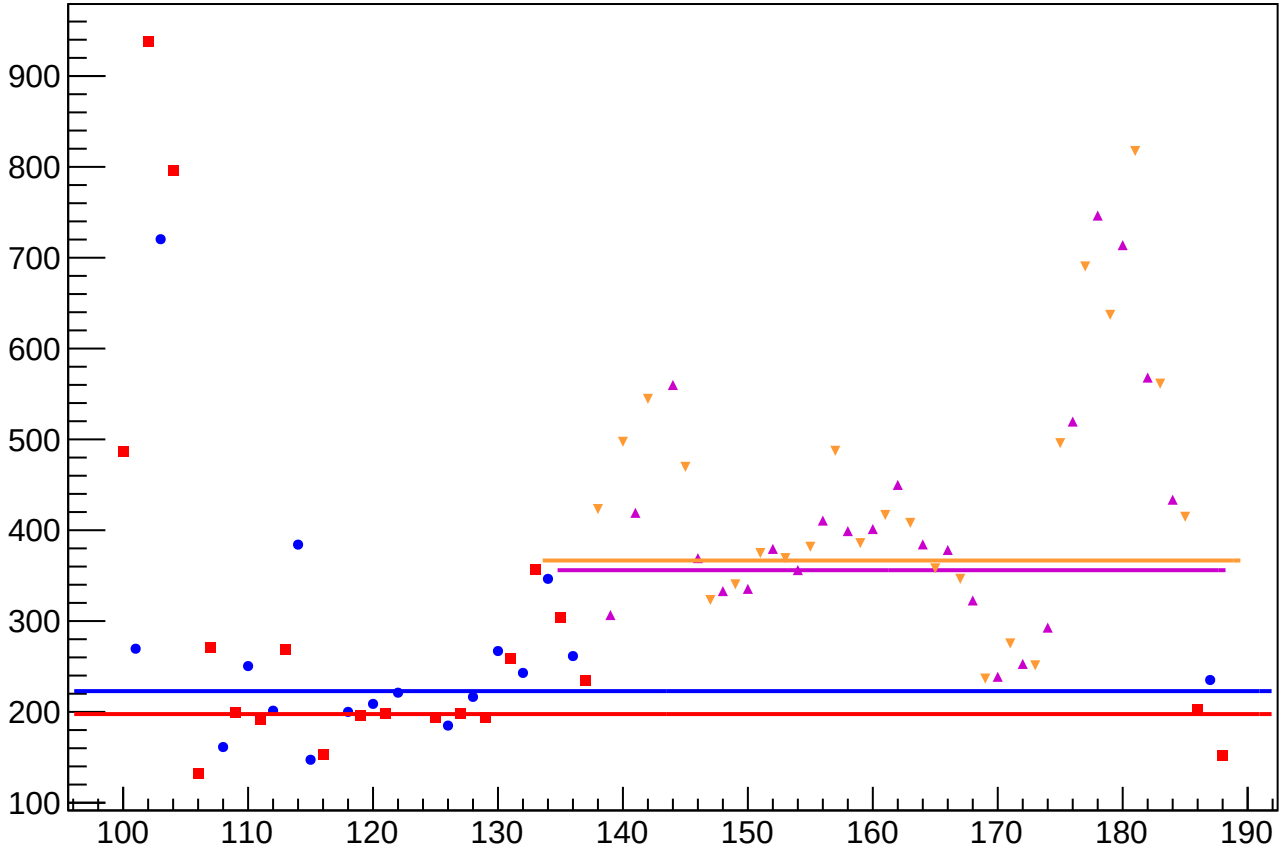
Right: -0.049+/-0.057 χ^2/NDF: 51.6/36

In: -0.077+/-0.062 χ^2/NDF:48.5/39

Out: -0.036+/-0.058 χ^2/NDF:64.3/43

All: -0.055+/-0.042 χ^2/NDF: 113.0/83

asym_us_avg_atlr_avg_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 222.880+/-0.062 χ^2/NDF: 1019761.4/16

Left Out: 366.671+/-0.064 χ^2/NDF:2841292.6/23

Right Out: 197.607+/-0.053 χ^2/NDF: 1744257.2/19

Left In: 355.993+/-0.062 χ^2/NDF:2420863.3/22

Left: 361.171+/-0.045 χ^2/NDF: 5276510.3/46

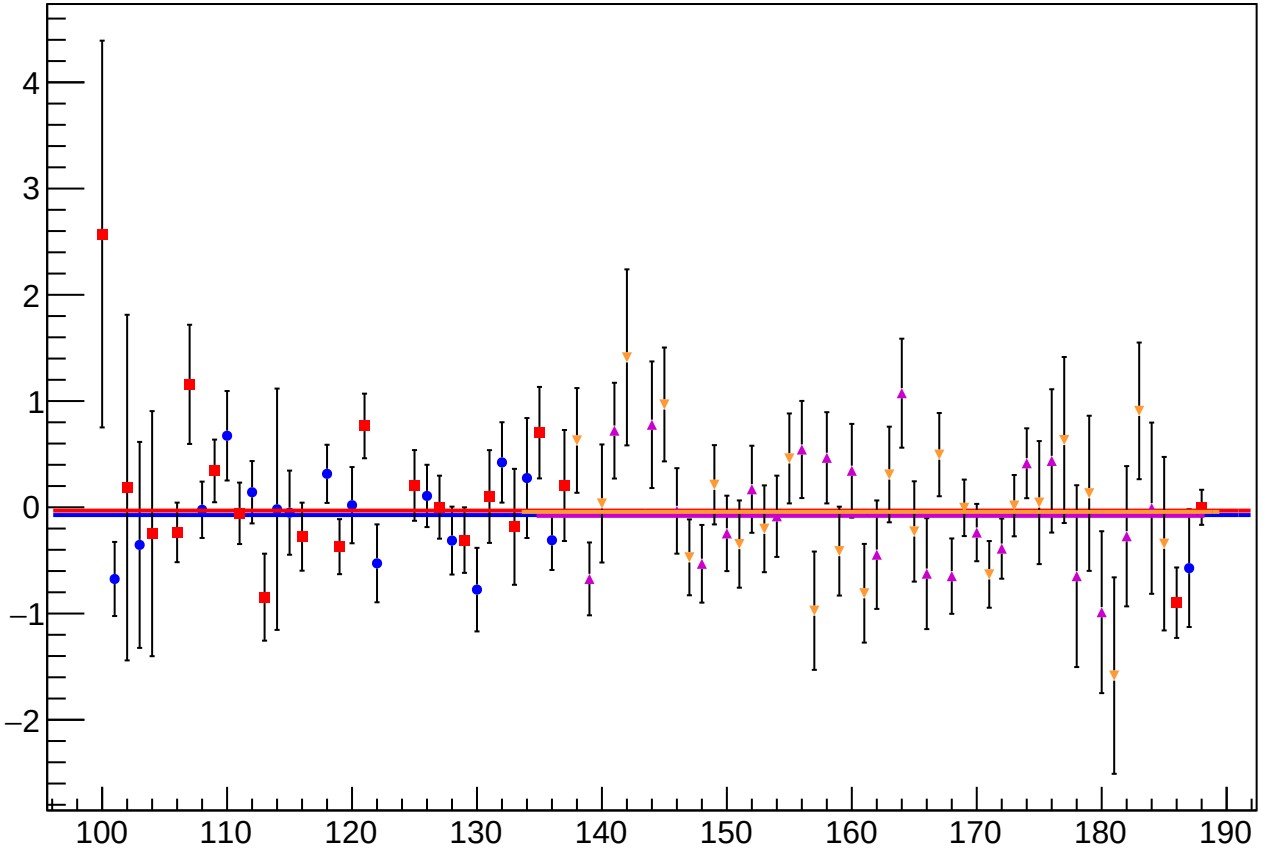
Right: 208.343+/-0.040 χ^2/NDF: 2859895.4/36

In: 289.266+/-0.044 χ^2/NDF:5746717.5/39

Out: 266.738+/-0.041 χ^2/NDF:8715145.2/43

All: 277.225+/-0.030 χ^2/NDF: 14603086.8/83

asym_us_avg_atlr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.073+/-0.088 χ^2/NDF: 18.1/16

Left Out: -0.043+/-0.090 χ^2/NDF:31.0/23

Right Out: -0.031+/-0.075 χ^2/NDF: 33.3/19

Left In: -0.080+/-0.088 χ^2/NDF:30.3/22

Left: -0.062+/-0.063 χ^2/NDF: 61.4/46

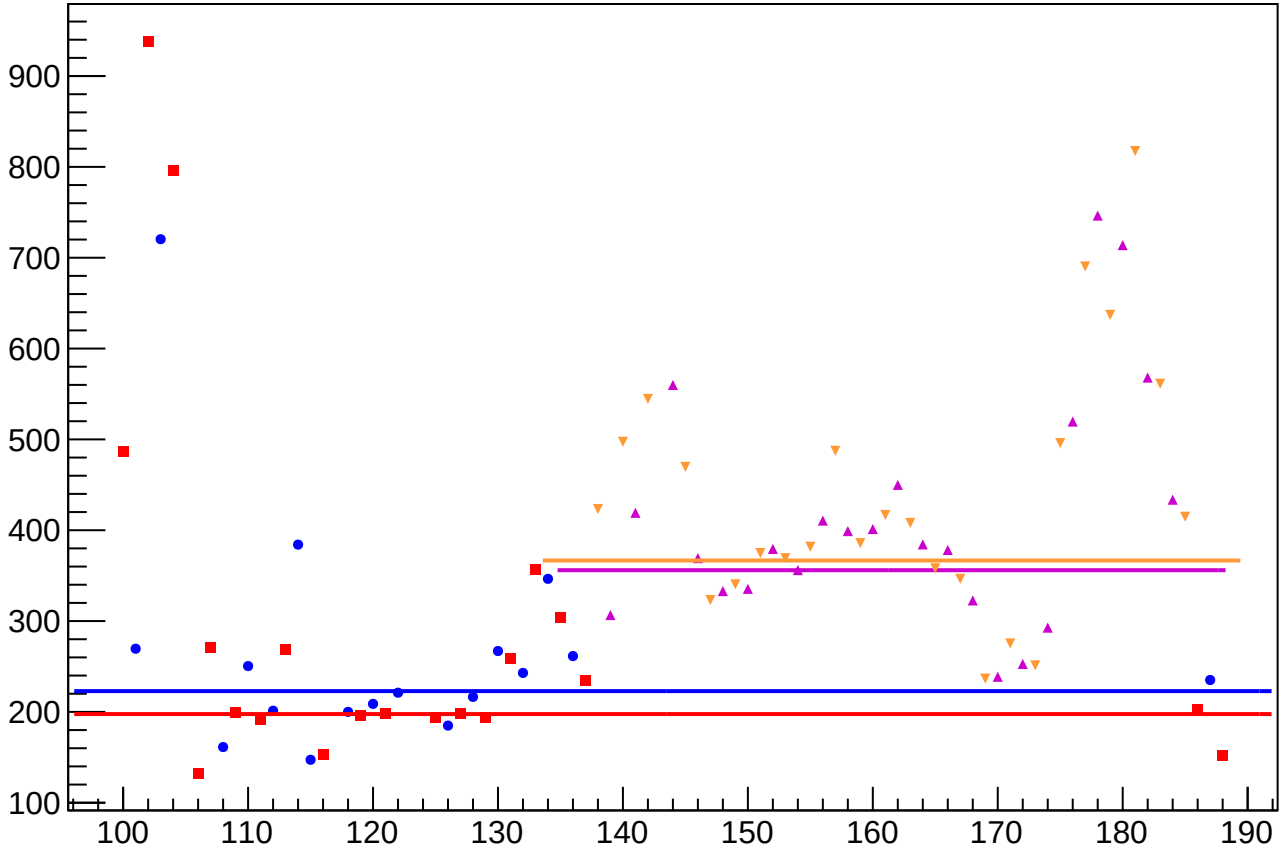
Right: -0.049+/-0.057 χ^2/NDF: 51.6/36

In: -0.077+/-0.062 χ^2/NDF:48.5/39

Out: -0.036+/-0.058 χ^2/NDF:64.3/43

All: -0.055+/-0.042 χ^2/NDF: 113.0/83

asym_us_avg_atlr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 222.880+/-0.062 χ^2/NDF: 1019761.4/16

Left Out: 366.671+/-0.064 χ^2/NDF:2841292.6/23

Right Out: 197.607+/-0.053 χ^2/NDF: 1744257.2/19

Left In: 355.993+/-0.062 χ^2/NDF:2420863.3/22

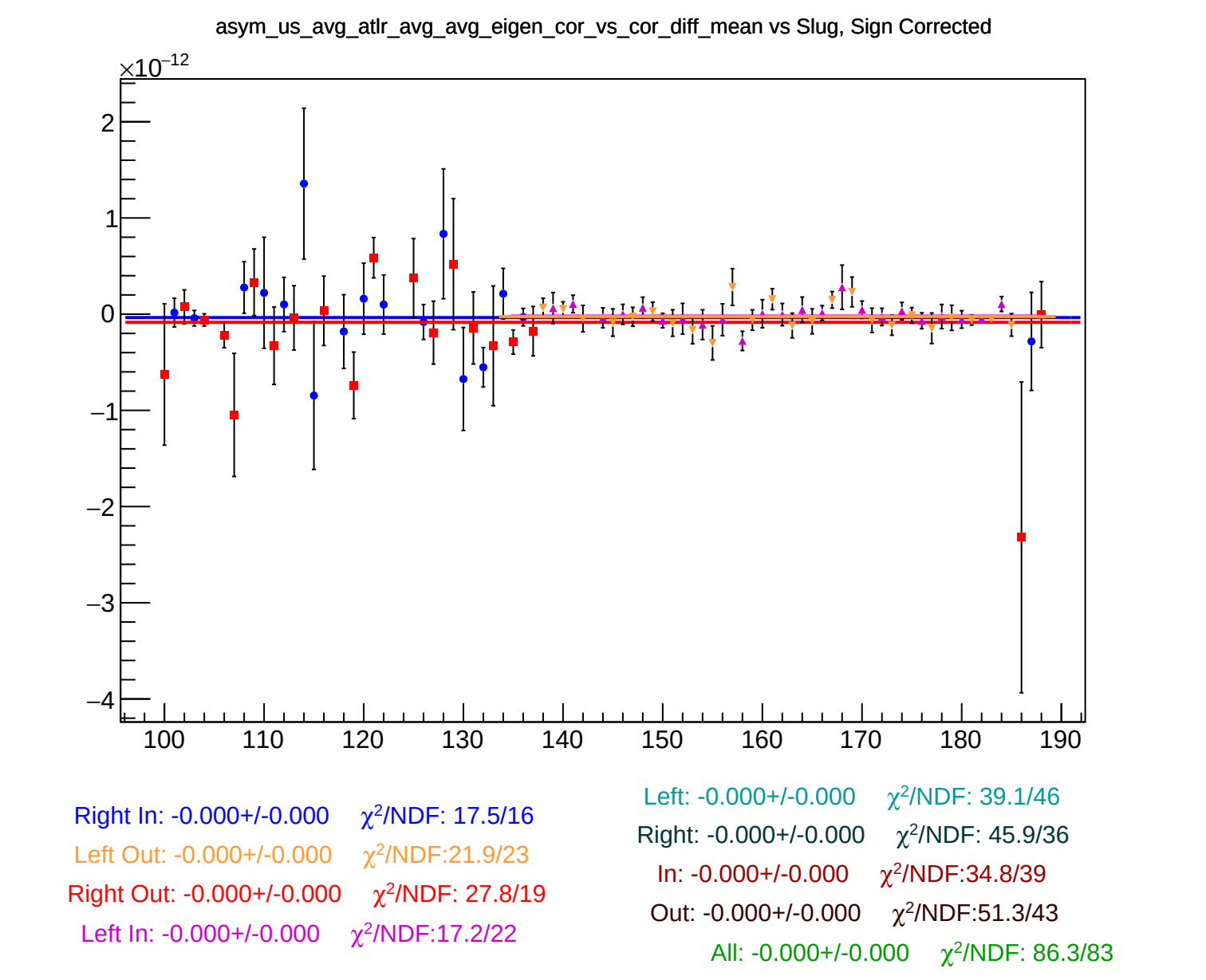
Left: 361.171+/-0.045 χ^2/NDF: 5276510.3/46

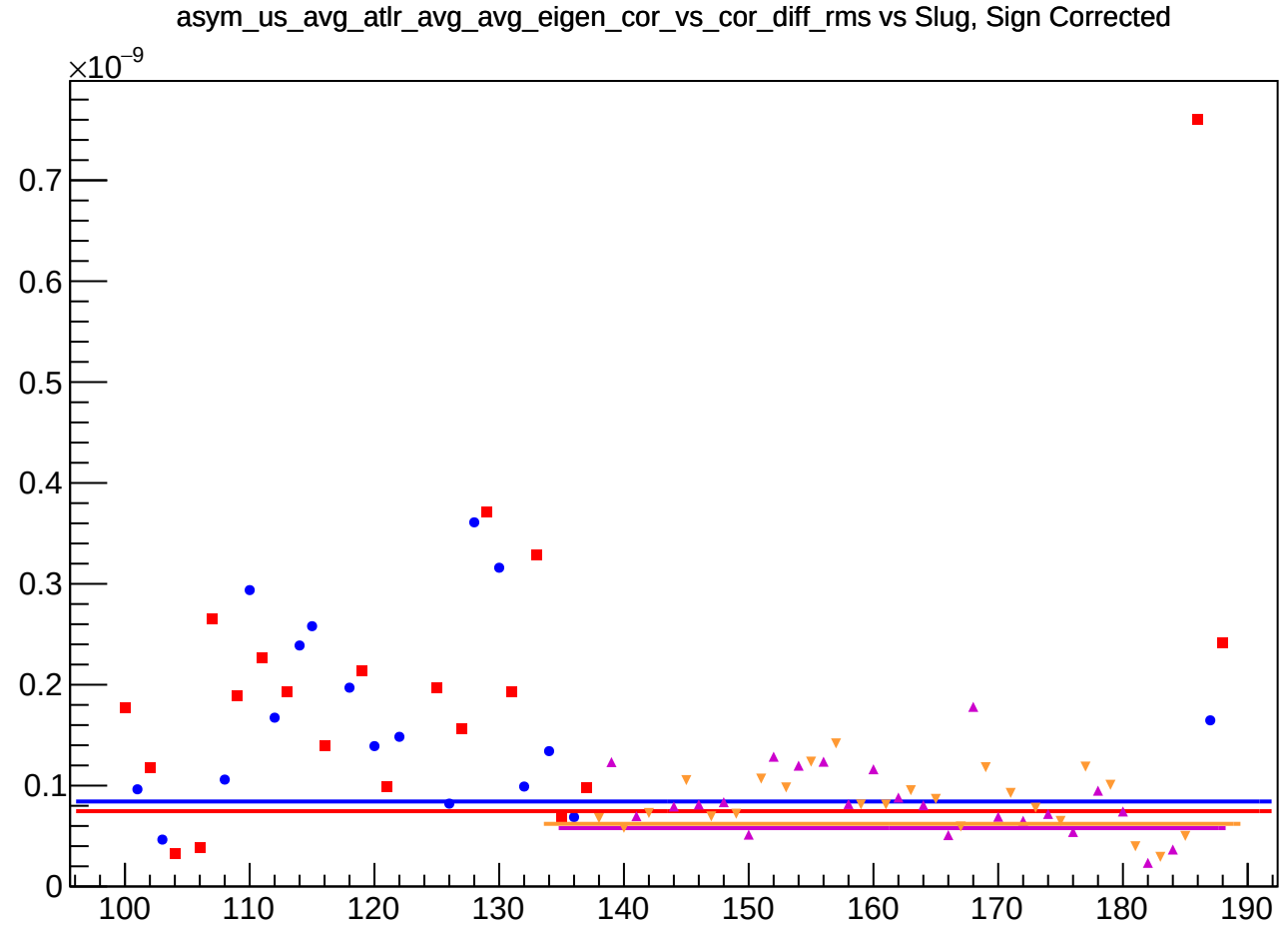
Right: 208.343+/-0.040 χ^2/NDF: 2859895.4/36

In: 289.266+/-0.044 χ^2/NDF:5746717.5/39

Out: 266.738+/-0.041 χ^2/NDF:8715145.2/43

All: 277.225+/-0.030 χ^2/NDF: 14603086.8/83


asym_us_avg_atlr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
1
0
−1
−2
−3
−4
100
110
120
130
140
150
160
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 17.5/16
Left Out: -0.000+/-0.000 χ²/NDF:21.9/23
Right Out: -0.000+/-0.000 χ²/NDF: 27.8/19
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: 45.9/36
In: -0.000+/-0.000 χ²/NDF:34.8/39
Out: -0.000+/-0.000 χ²/NDF:51.3/43
All: -0.000+/-0.000 χ²/NDF: 86.3/83



Right In: 0.000+/-0.000 χ^2/NDF: 2285685.5/16

Left Out: 0.000+/-0.000 χ^2/NDF:4100152.8/23

Right Out: 0.000+/-0.000 χ^2/NDF: 4588211.4/19

Left In: 0.000+/-0.000 χ^2/NDF:5512617.8/22

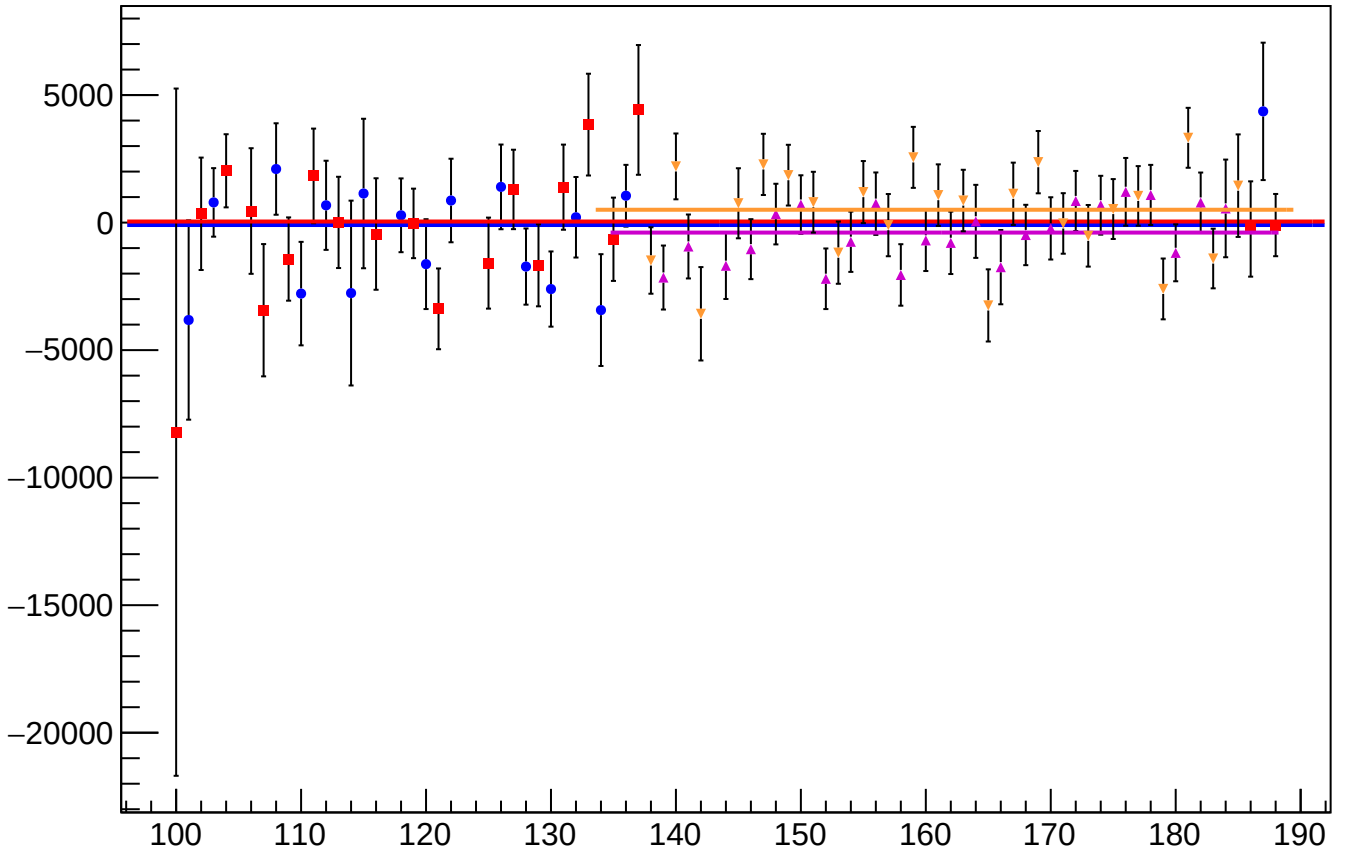
Left: 0.000+/-0.000 χ^2/NDF: 9664055.9/46

Right: 0.000+/-0.000 χ^2/NDF: 6918592.5/36

In: 0.000+/-0.000 χ^2/NDF:8348102.0/39

Out: 0.000+/-0.000 χ^2/NDF:8825385.3/43

All: 0.000+/-0.000 χ^2/NDF: 17198642.3/83



Right In: -95.238+/-423.809 χ^2/NDF: 17.6/16

Left Out: 503.606+/-255.531 χ^2/NDF:44.6/23

Right Out: 42.549+/-396.919 χ^2/NDF: 20.7/19

Left In: -391.701+/-257.386 χ^2/NDF:17.8/22

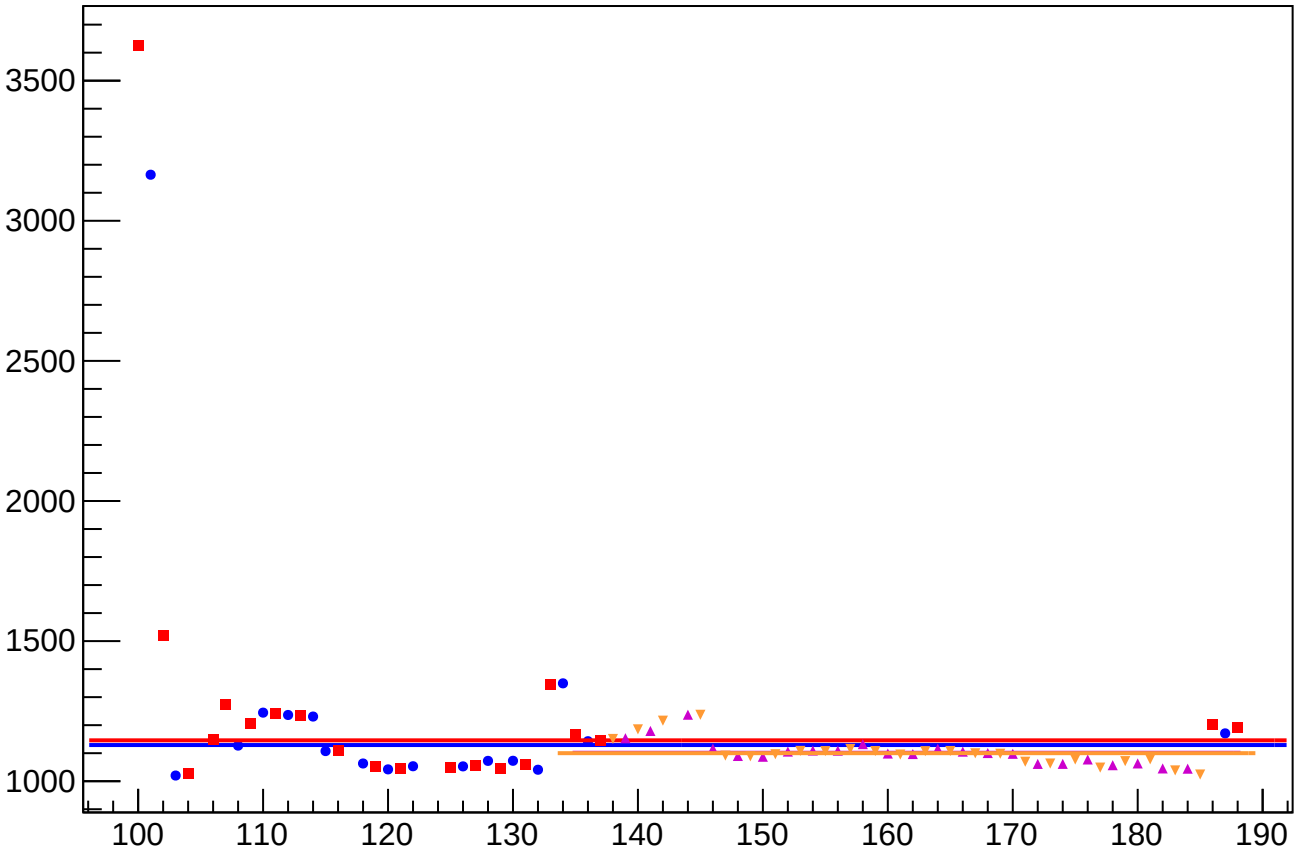
Left: 59.191+/-181.340 χ^2/NDF: 68.5/46

Right: -21.835+/-289.705 χ^2/NDF: 38.3/36

In: -311.819+/-219.994 χ^2/NDF:35.8/39

Out: 368.509+/-214.856 χ^2/NDF:66.2/43

All: 36.381+/-153.710 χ^2/NDF: 106.9/83



Right In: 1129.065+/-0.300 χ^2/NDF: 621884.8/16

Left Out: 1100.063+/-0.181 χ^2/NDF:58733.9/23

Right Out: 1145.859+/-0.280 χ^2/NDF: 225708.5/19

Left In: 1101.530+/-0.182 χ^2/NDF:52145.9/22

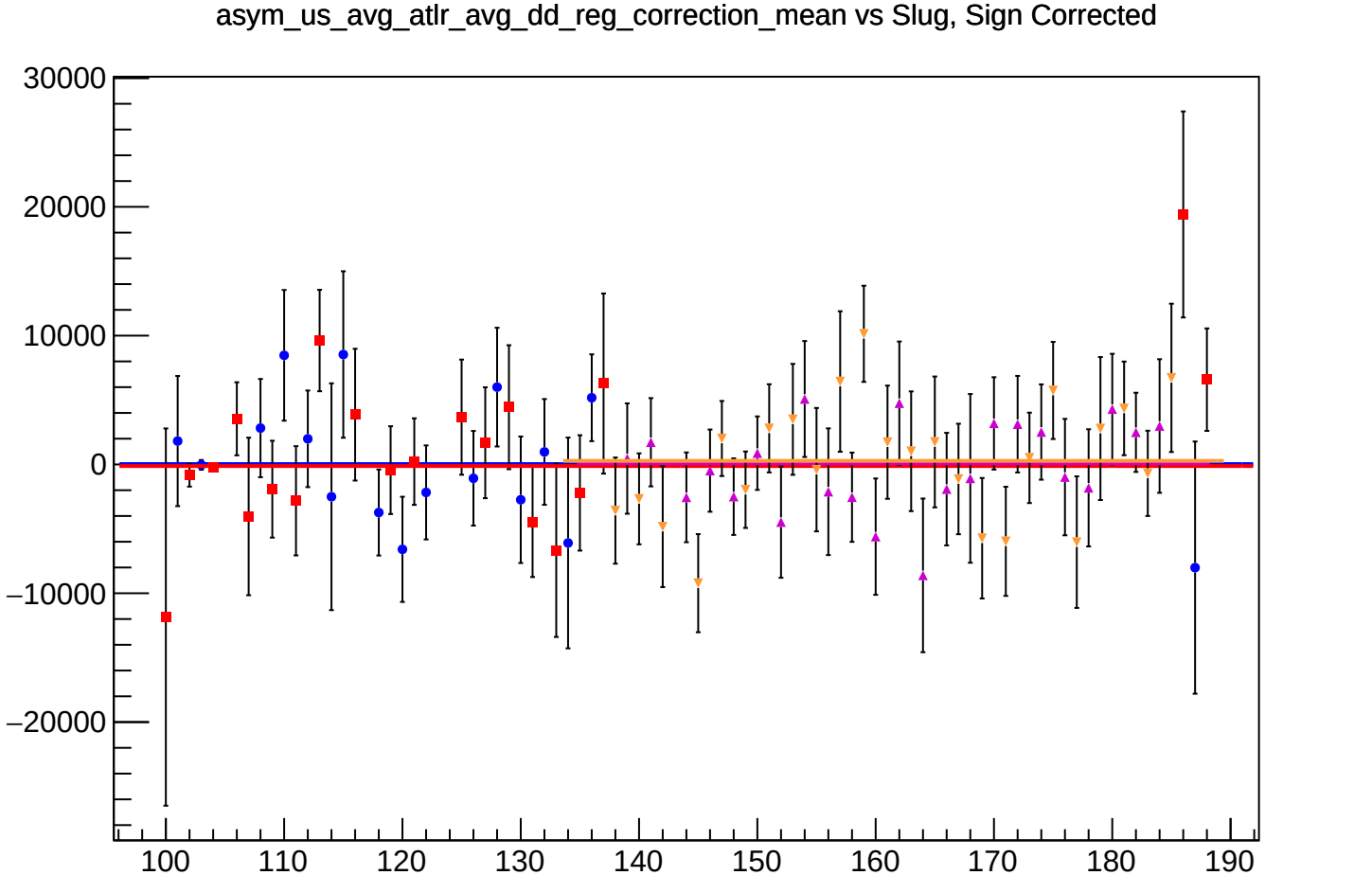
Left: 1100.791+/-0.128 χ^2/NDF: 110912.5/46

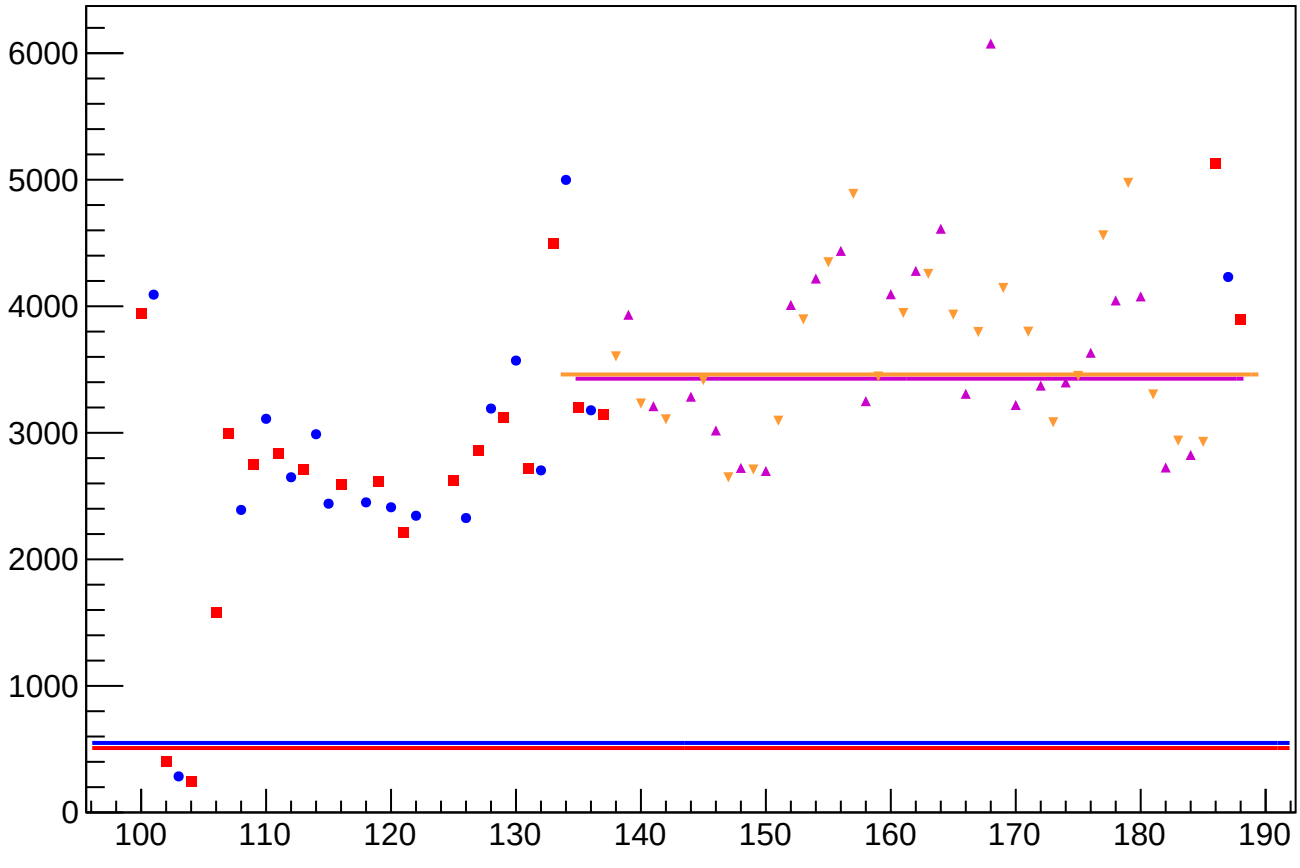
Right: 1138.024+/-0.205 χ^2/NDF: 849268.9/36

In: 1108.949+/-0.156 χ^2/NDF:680198.2/39

Out: 1113.512+/-0.152 χ^2/NDF:303306.3/43

All: 1111.285+/-0.109 χ^2/NDF: 983945.0/83


asym_us_avg_atlr_avg_dd_reg_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
170
180
190
Right In: 27.576+/-357.413 χ²/NDF: 15.5/16
Left Out: 277.507+/-820.501 χ²/NDF:29.9/23
Right Out: -125.740+/-321.230 χ²/NDF: 24.5/19
Left In: 94.734+/-817.223 χ²/NDF:13.7/22
Left: 185.755+/-579.019 χ²/NDF: 43.6/46
Right: -57.233+/-238.915 χ²/NDF: 40.1/36
In: 38.359+/-327.464 χ²/NDF:29.2/39
Out: -72.147+/-299.123 χ²/NDF:54.6/43
All: -21.882+/-220.853 χ²/NDF: 83.8/83



Right In: 549.249+/-0.253 χ^2/NDF: 9966222.8/16

Left Out: 3461.259+/-0.580 χ^2/NDF:1058687.1/23

Right Out: 509.025+/-0.227 χ^2/NDF: 11320130.5/19

Left In: 3427.860+/-0.578 χ^2/NDF:1243133.8/22

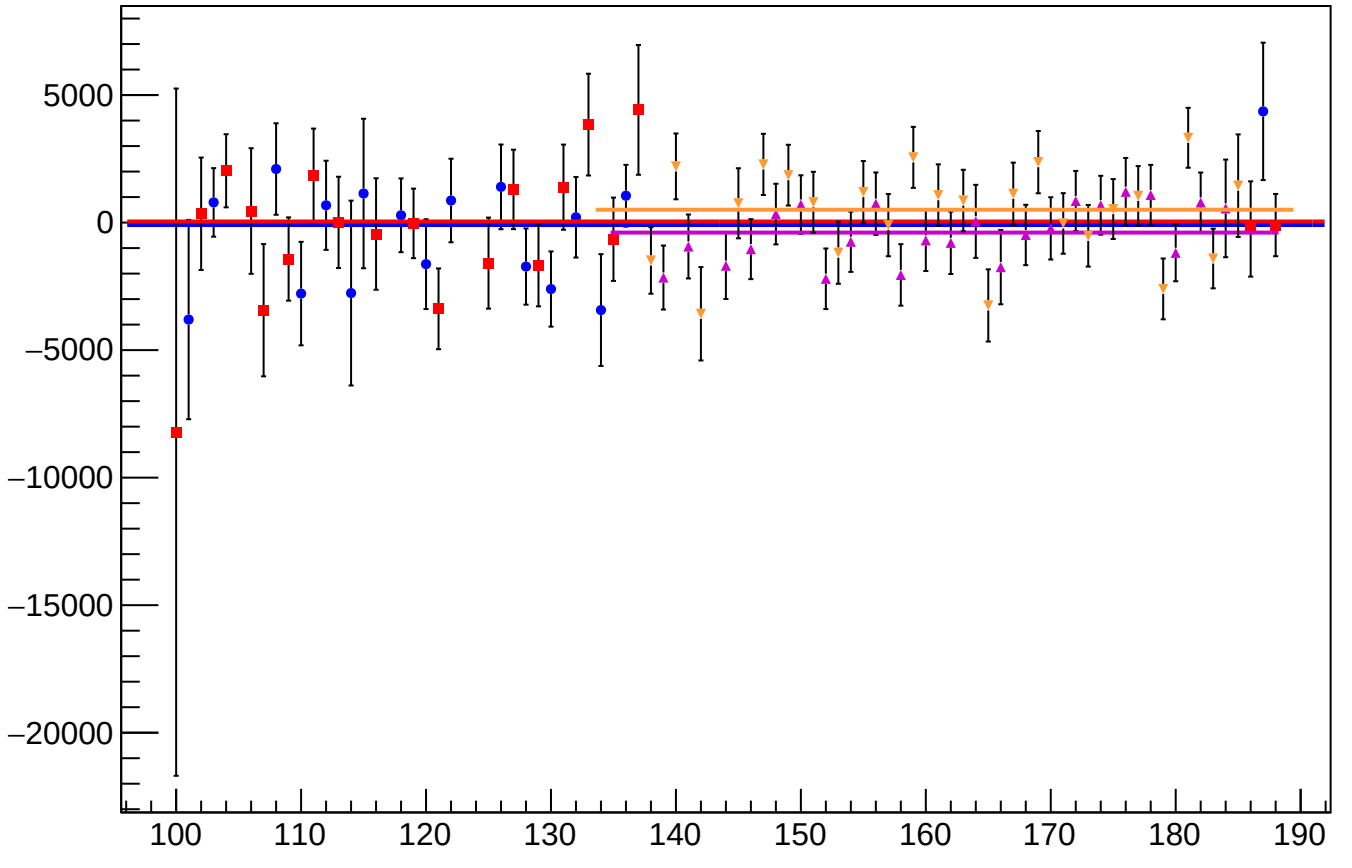
Left: 3444.493+/-0.409 χ^2/NDF: 2303484.4/46

Right: 526.999+/-0.169 χ^2/NDF: 21300365.5/36

In: 1011.449+/-0.232 χ^2/NDF:32039998.8/39

Out: 901.391+/-0.212 χ^2/NDF:34830031.3/43

All: 951.452+/-0.156 χ^2/NDF: 66993185.9/83



Right In: -95.021+/-423.810 χ^2/NDF: 17.6/16

Left Out: 503.679+/-255.531 χ^2/NDF:44.6/23

Right Out: 42.678+/-396.920 χ^2/NDF: 20.7/19

Left In: -391.689+/-257.386 χ^2/NDF:17.8/22

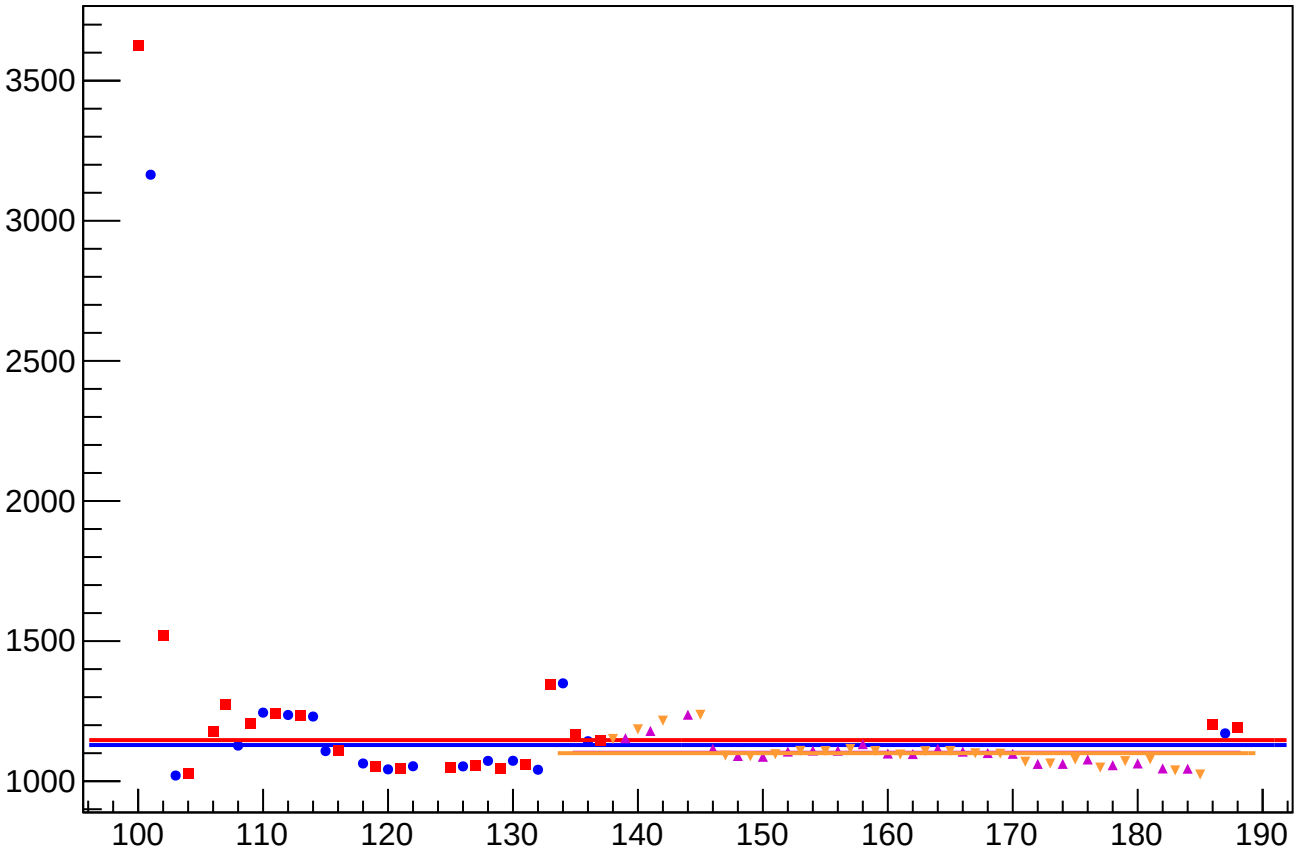
Left: 59.234+/-181.340 χ^2/NDF: 68.5/46

Right: -21.665+/-289.705 χ^2/NDF: 38.3/36

In: -311.751+/-219.994 χ^2/NDF:35.7/39

Out: 368.599+/-214.856 χ^2/NDF:66.2/43

All: 36.460+/-153.710 χ^2/NDF: 106.9/83



Right In: 1129.064+/-0.300 χ^2/NDF: 621885.9/16

Left Out: 1100.063+/-0.181 χ^2/NDF:58733.9/23

Right Out: 1146.692+/-0.281 χ^2/NDF: 226063.4/19

Left In: 1101.530+/-0.182 χ^2/NDF:52145.9/22

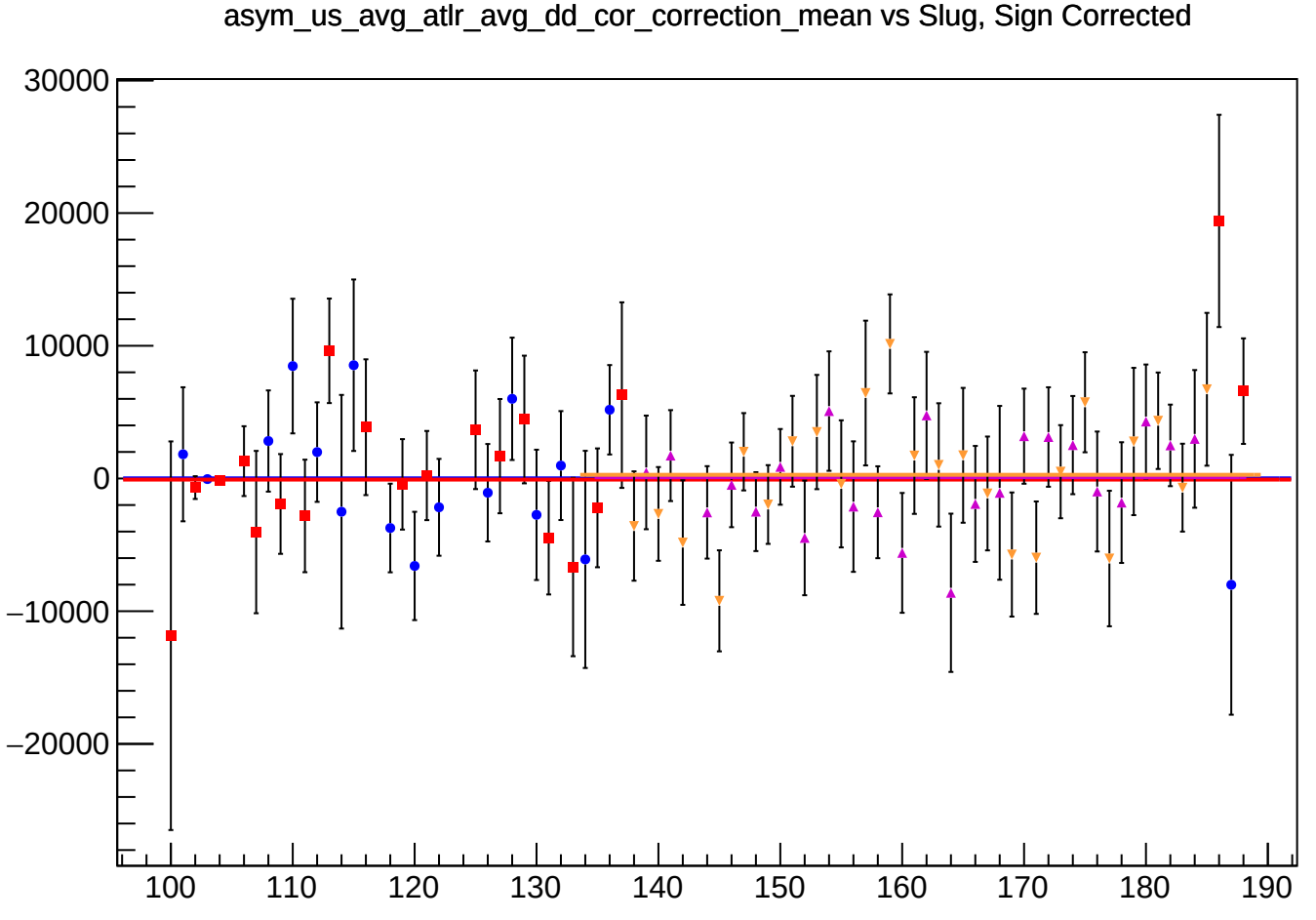
Left: 1100.791+/-0.128 χ^2/NDF: 110912.5/46

Right: 1138.459+/-0.205 χ^2/NDF: 849793.4/36

In: 1108.949+/-0.156 χ^2/NDF:680199.2/39

Out: 1113.735+/-0.152 χ^2/NDF:304323.9/43

All: 1111.399+/-0.109 χ^2/NDF: 985007.8/83



Right In: 11.713+/-344.312 χ^2/NDF: 15.5/16

Left Out: 277.536+/-820.502 χ^2/NDF:29.9/23

Right Out: -83.085+/-316.114 χ^2/NDF: 22.8/19

Left In: 94.742+/-817.222 χ^2/NDF:13.7/22

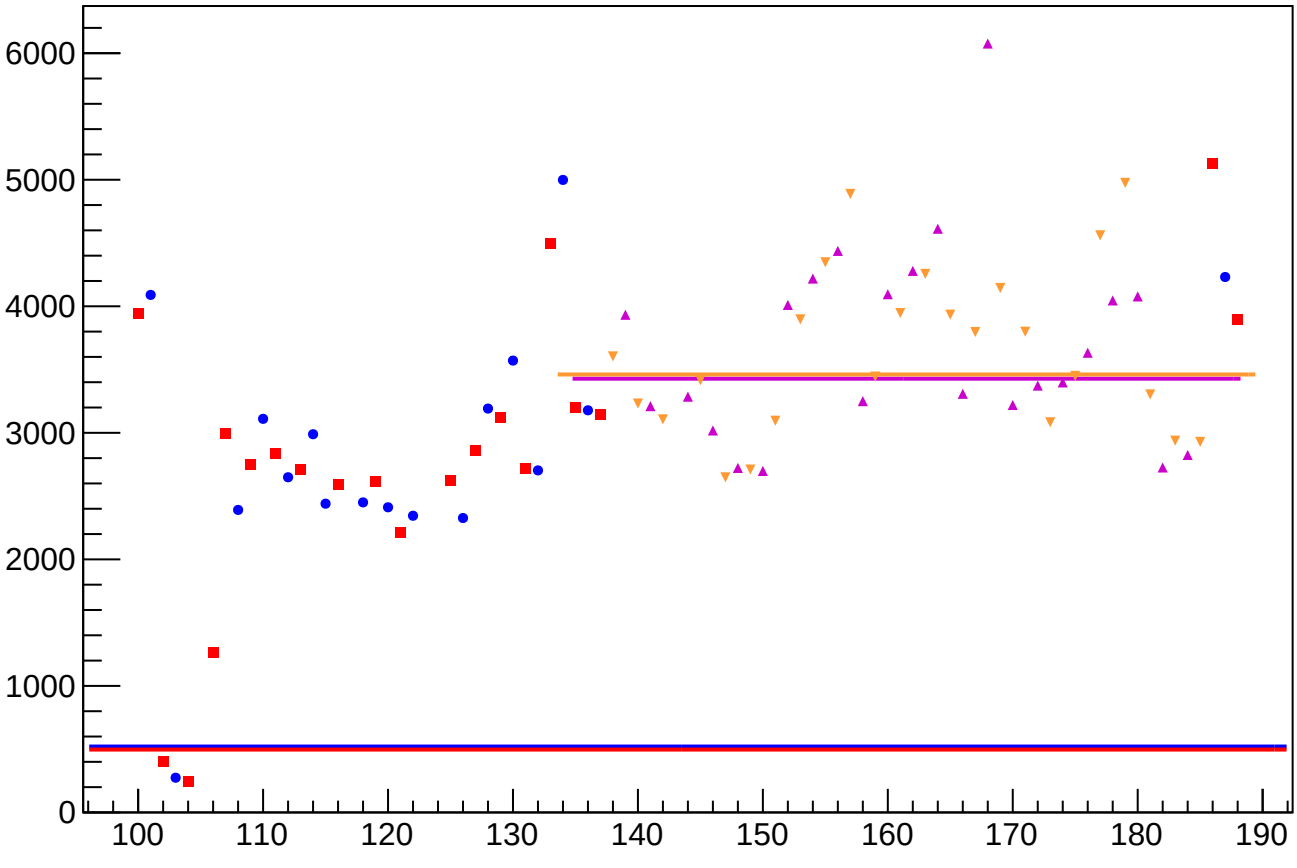
Left: 185.773+/-579.019 χ^2/NDF: 43.6/46

Right: -39.726+/-232.858 χ^2/NDF: 38.4/36

In: 24.230+/-317.300 χ^2/NDF:29.2/39

Out: -36.476+/-294.979 χ^2/NDF:52.8/43

All: -8.333+/-216.042 χ^2/NDF: 82.1/83



Right In: 520.891+/-0.243 χ^2/NDF: 10122276.7/16

Left Out: 3461.261+/-0.580 χ^2/NDF:1058691.8/23

Right Out: 496.980+/-0.224 χ^2/NDF: 11256746.2/19

Left In: 3427.857+/-0.578 χ^2/NDF:1243147.4/22

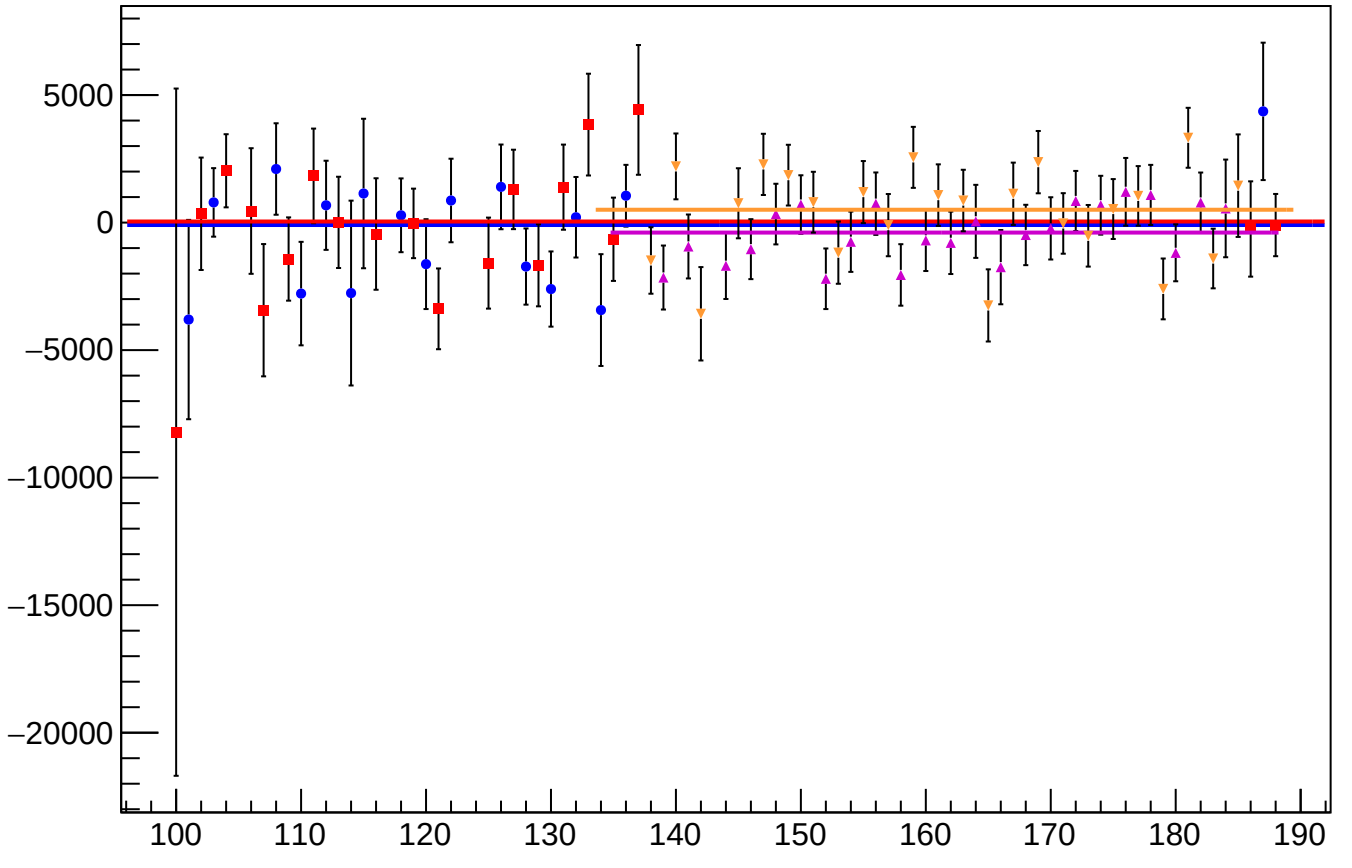
Left: 3444.492+/-0.409 χ^2/NDF: 2303503.3/46

Right: 507.917+/-0.165 χ^2/NDF: 21384256.8/36

In: 959.119+/-0.224 χ^2/NDF:32856815.1/39

Out: 880.107+/-0.209 χ^2/NDF:35045693.8/43

All: 916.736+/-0.153 χ^2/NDF: 67969030.7/83



Right In: -95.021+/-423.810 χ^2/NDF: 17.6/16

Left Out: 503.679+/-255.531 χ^2/NDF:44.6/23

Right Out: 42.678+/-396.920 χ^2/NDF: 20.7/19

Left In: -391.689+/-257.386 χ^2/NDF:17.8/22

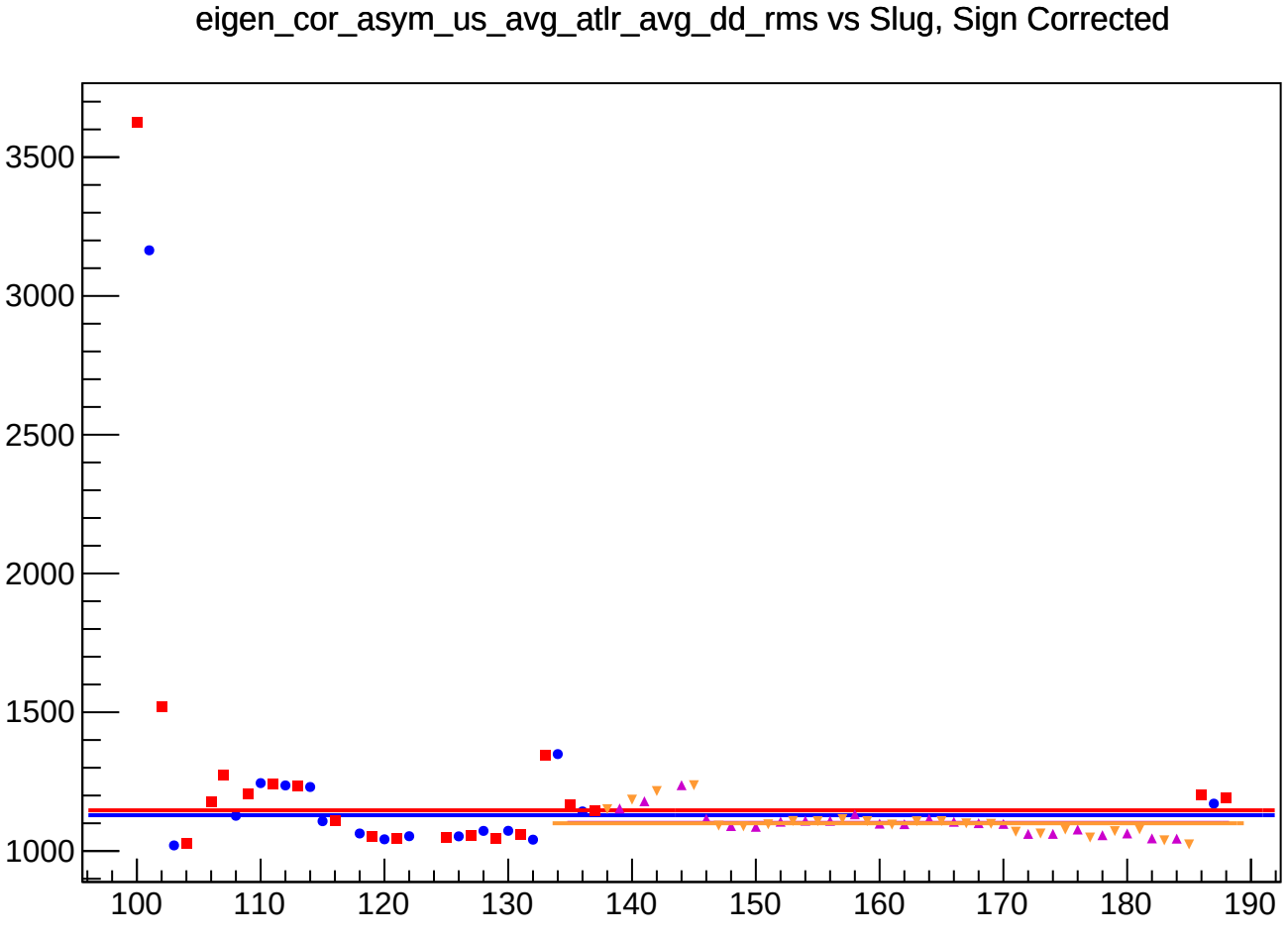
Left: 59.234+/-181.340 χ^2/NDF: 68.5/46

Right: -21.665+/-289.705 χ^2/NDF: 38.3/36

In: -311.751+/-219.994 χ^2/NDF:35.7/39

Out: 368.599+/-214.856 χ^2/NDF:66.2/43

All: 36.460+/-153.710 χ^2/NDF: 106.9/83



Right In: 1129.064+/-0.300 χ^2/NDF: 621885.9/16

Left Out: 1100.063+/-0.181 χ^2/NDF:58733.9/23

Right Out: 1146.692+/-0.281 χ^2/NDF: 226063.4/19

Left In: 1101.530+/-0.182 χ^2/NDF:52145.9/22

Left: 1100.791+/-0.128 χ^2/NDF: 110912.5/46

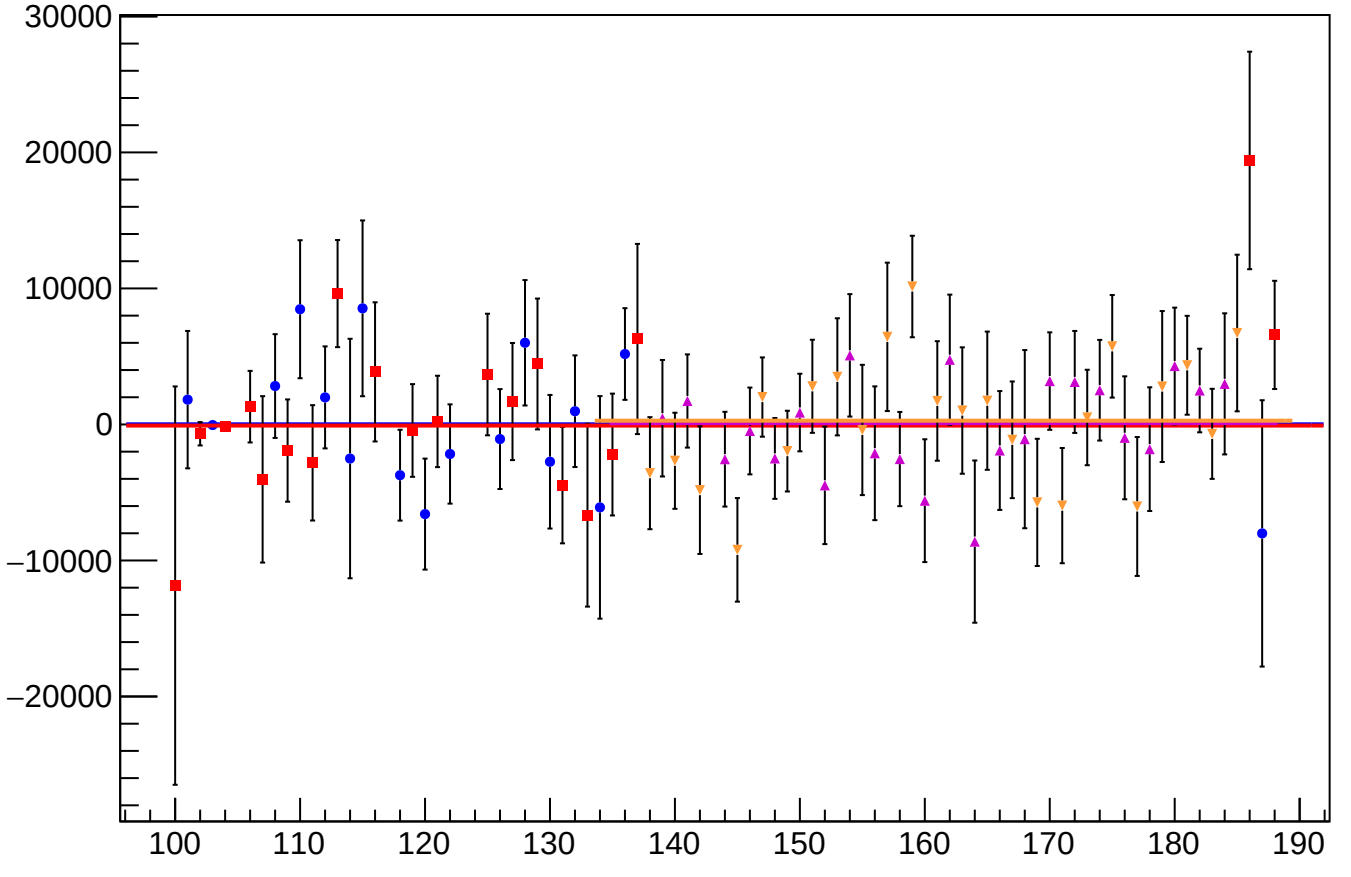
Right: 1138.459+/-0.205 χ^2/NDF: 849793.4/36

In: 1108.949+/-0.156 χ^2/NDF:680199.2/39

Out: 1113.735+/-0.152 χ^2/NDF:304323.9/43

All: 1111.399+/-0.109 χ^2/NDF: 985007.8/83

asym_us_avg_atlr_avg_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 11.713+/-344.312 χ^2/NDF: 15.5/16

Left Out: 277.536+/-820.502 χ^2/NDF:29.9/23

Right Out: -83.085+/-316.114 χ^2/NDF: 22.8/19

Left In: 94.742+/-817.222 χ^2/NDF:13.7/22

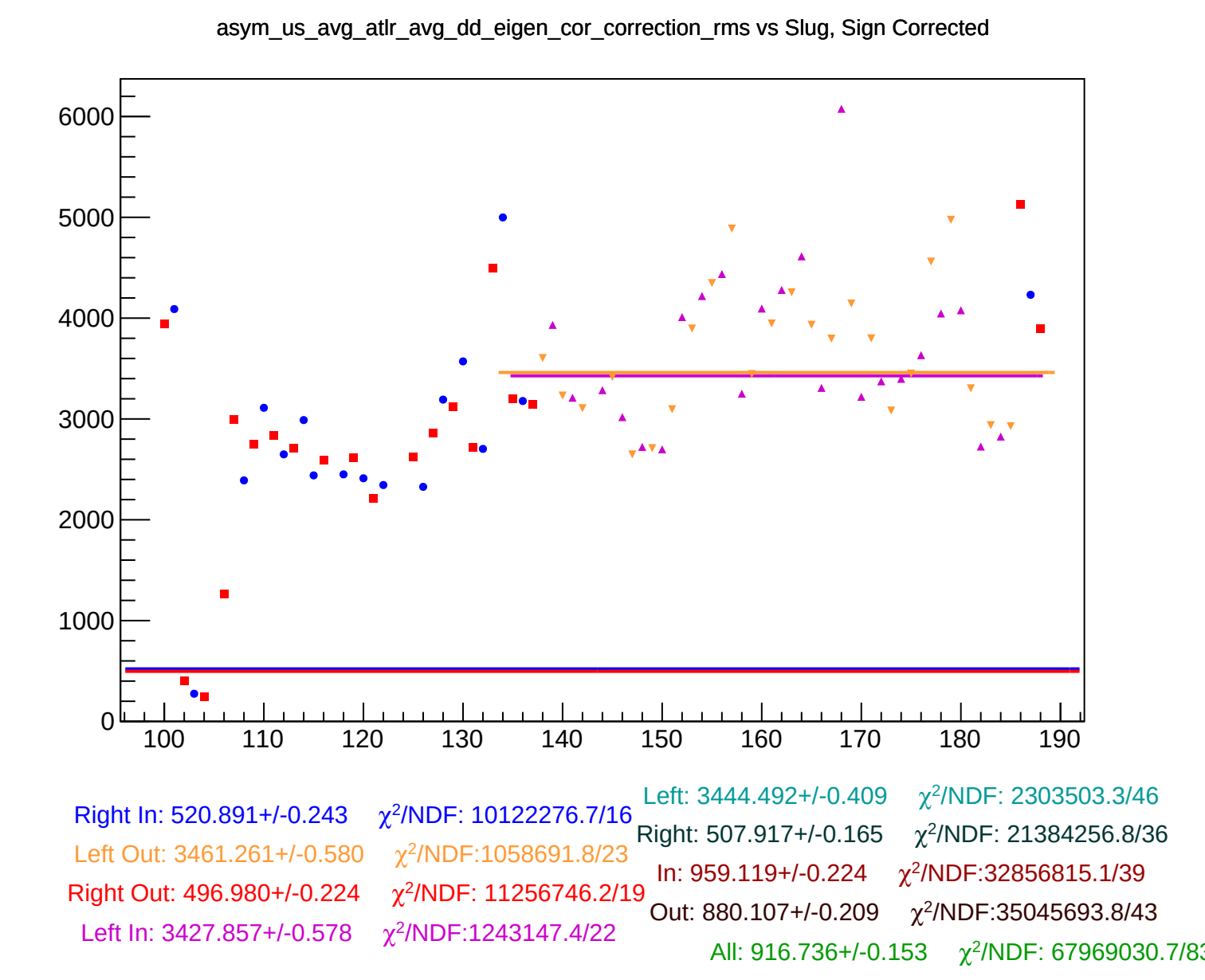
Left: 185.773+/-579.019 χ^2/NDF: 43.6/46

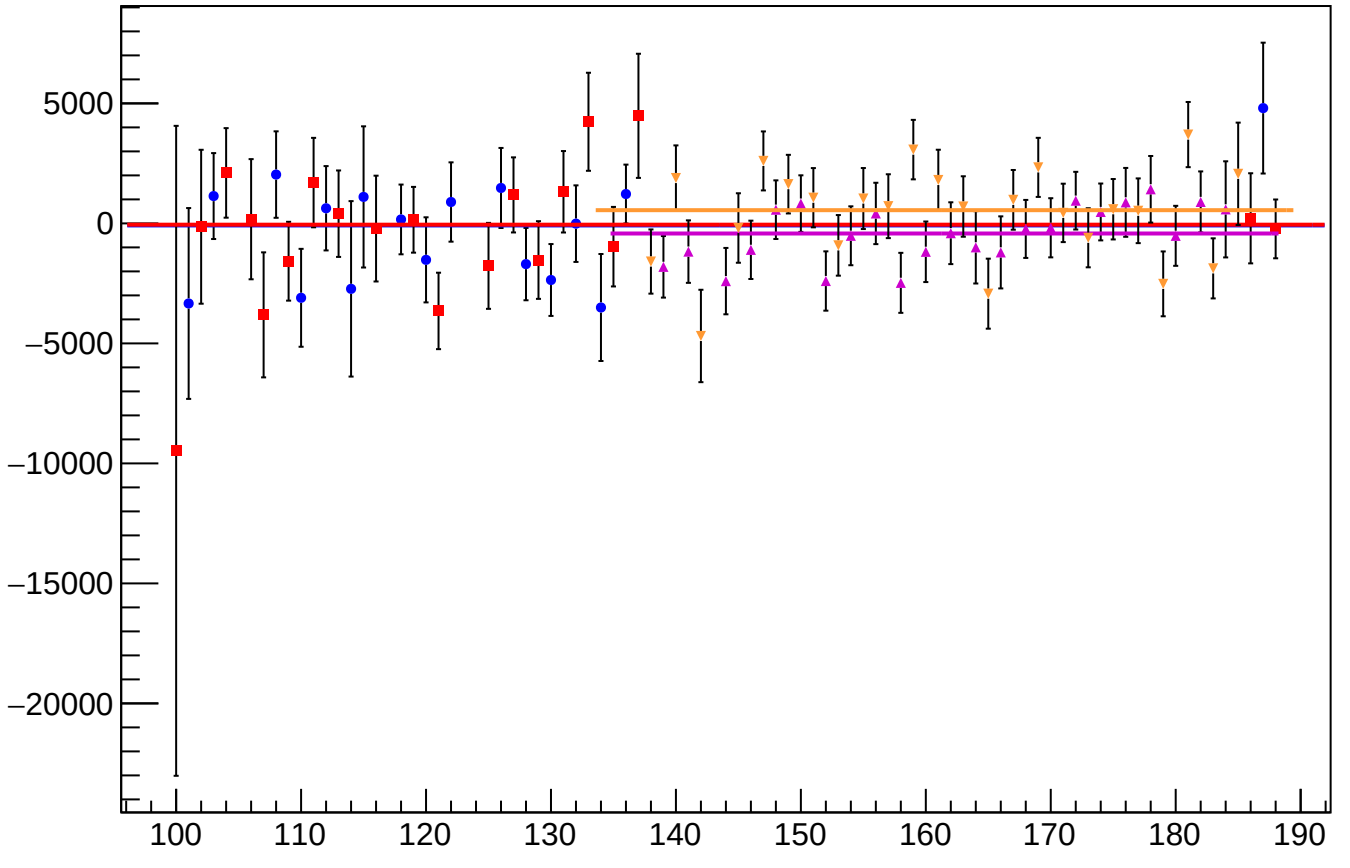
Right: -39.726+/-232.858 χ^2/NDF: 38.4/36

In: 24.230+/-317.300 χ^2/NDF:29.2/39

Out: -36.476+/-294.979 χ^2/NDF:52.8/43

All: -8.333+/-216.042 χ^2/NDF: 82.1/83


asym_us_avg_atlr_avg_dd_eigen_cor_correction_rms vs Slug, Sign Corrected
6000
5000
4000
3000
2000
1000
0
100
110
120
130
140
150
160
170
180
190
Right In: 520.891+/-0.243 χ²/NDF: 10122276.7/16
Left Out: 3461.261+/-0.580 χ²/NDF:1058691.8/23
Right Out: 496.980+/-0.224 χ²/NDF: 11256746.2/19
Left In: 3427.857+/-0.578 χ²/NDF:1243147.4/22
Left: 3444.492+/-0.409 χ²/NDF: 2303503.3/46
Right: 507.917+/-0.165 χ²/NDF: 21384256.8/36
In: 959.119+/-0.224 χ²/NDF:32856815.1/39
Out: 880.107+/-0.209 χ²/NDF:35045693.8/43
All: 916.736+/-0.153 χ²/NDF: 67969030.7/83



Right In: -84.192+/-436.961 χ^2/NDF: 17.6/16

Left Out: 550.661+/-269.206 χ^2/NDF:45.2/23

Right Out: -53.838+/-409.959 χ^2/NDF: 21.7/19

Left In: -421.023+/-269.815 χ^2/NDF:18.0/22

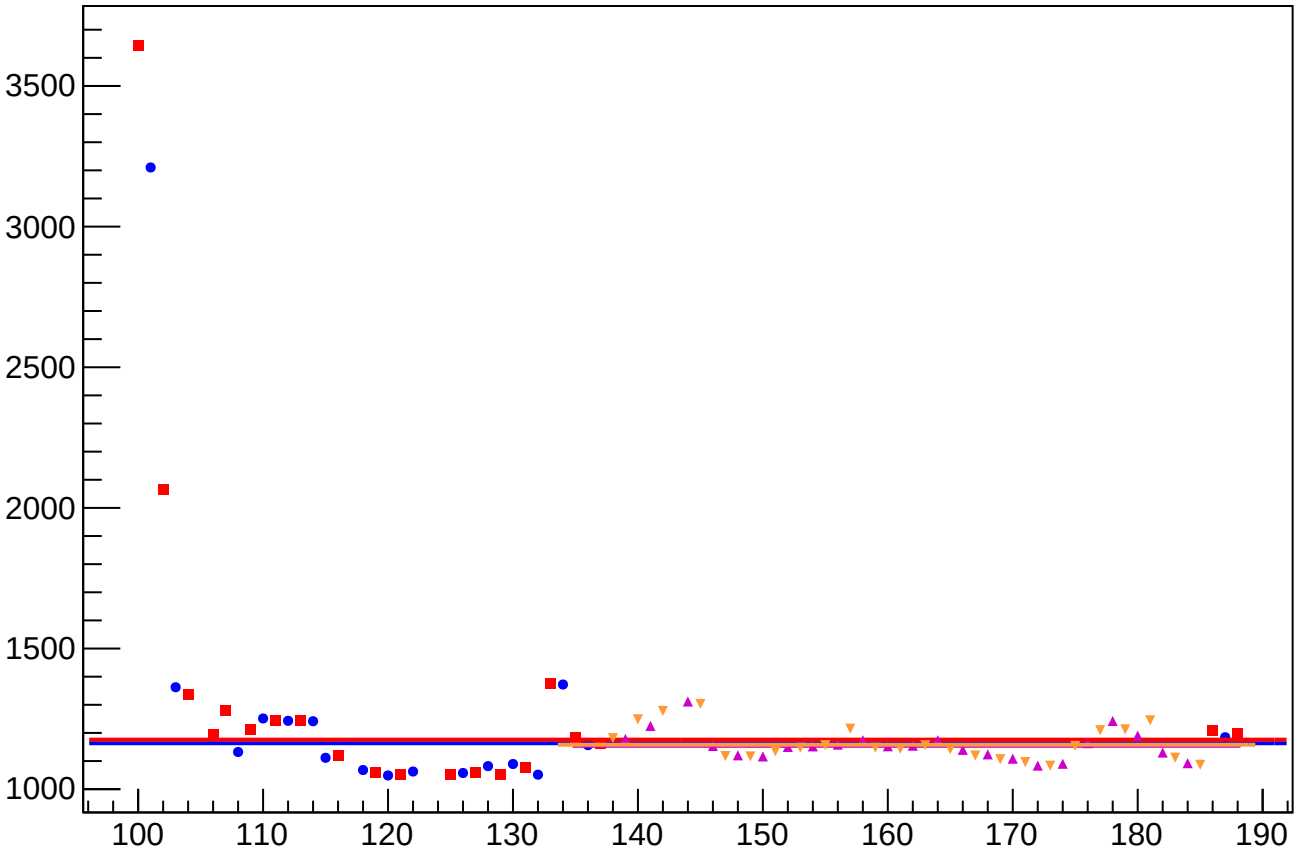
Left: 65.917+/-190.572 χ^2/NDF: 69.7/46

Right: -68.048+/-298.975 χ^2/NDF: 39.3/36

In: -328.046+/-229.575 χ^2/NDF:36.0/39

Out: 368.531+/-225.026 χ^2/NDF:68.4/43

All: 27.212+/-160.702 χ^2/NDF: 109.2/83



Right In: 1163.413+/-0.309 χ^2/NDF: 635478.5/16

Left Out: 1158.177+/-0.190 χ^2/NDF:84111.8/23

Right Out: 1176.103+/-0.290 χ^2/NDF: 333054.8/19

Left In: 1154.231+/-0.191 χ^2/NDF:66476.9/22

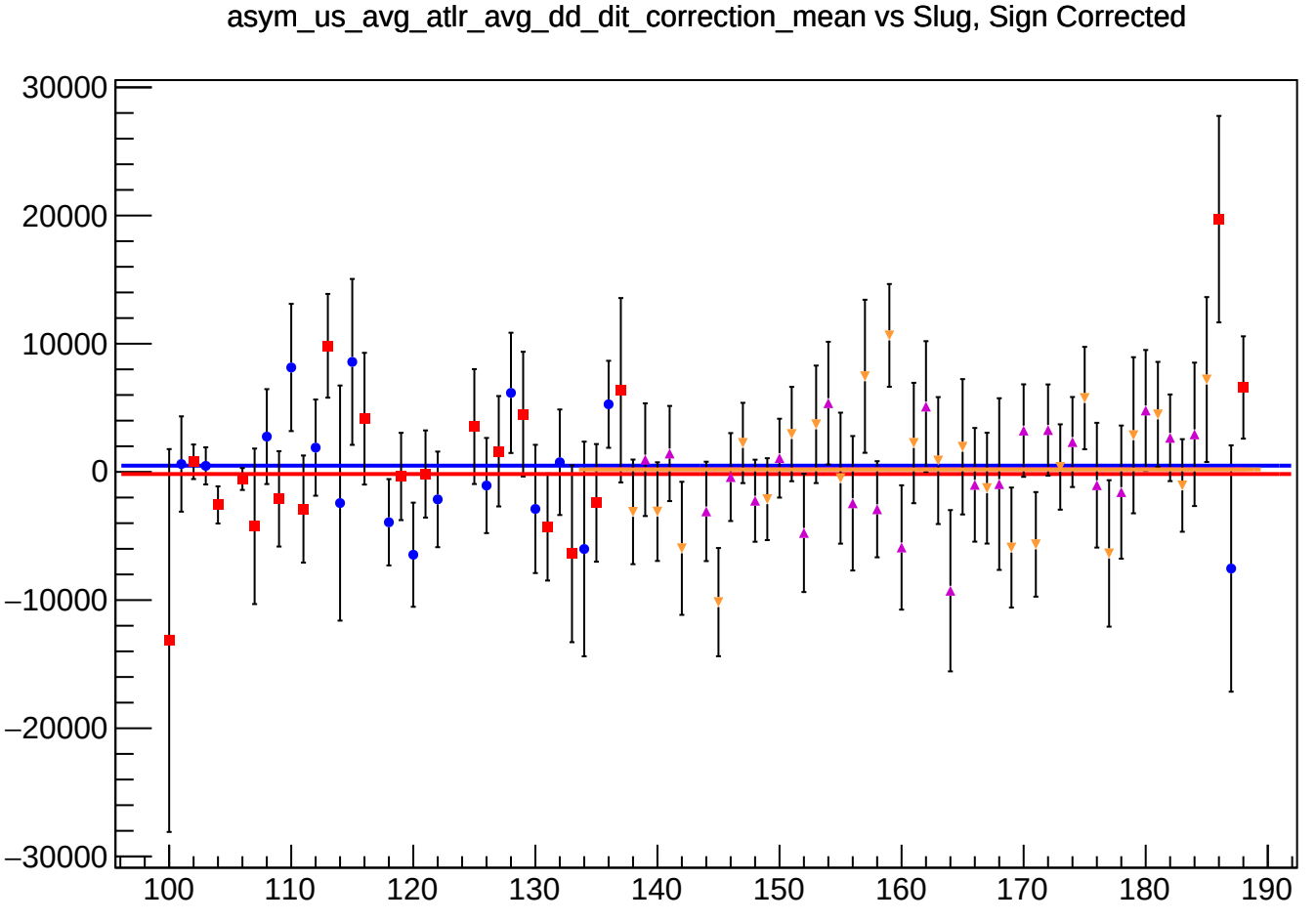
Left: 1156.208+/-0.135 χ^2/NDF: 150803.1/46

Right: 1170.165+/-0.211 χ^2/NDF: 969430.9/36

In: 1156.765+/-0.162 χ^2/NDF:702594.8/39

Out: 1163.581+/-0.159 χ^2/NDF:419840.1/43

All: 1160.242+/-0.114 χ^2/NDF: 1123334.1/83



Right In: 486.146+/-870.534 χ^2/NDF: 15.1/16

Left Out: 189.735+/-869.432 χ^2/NDF:29.3/23

Right Out: -166.665+/-558.921 χ^2/NDF: 25.8/19

Left In: 221.361+/-864.775 χ^2/NDF:13.4/22

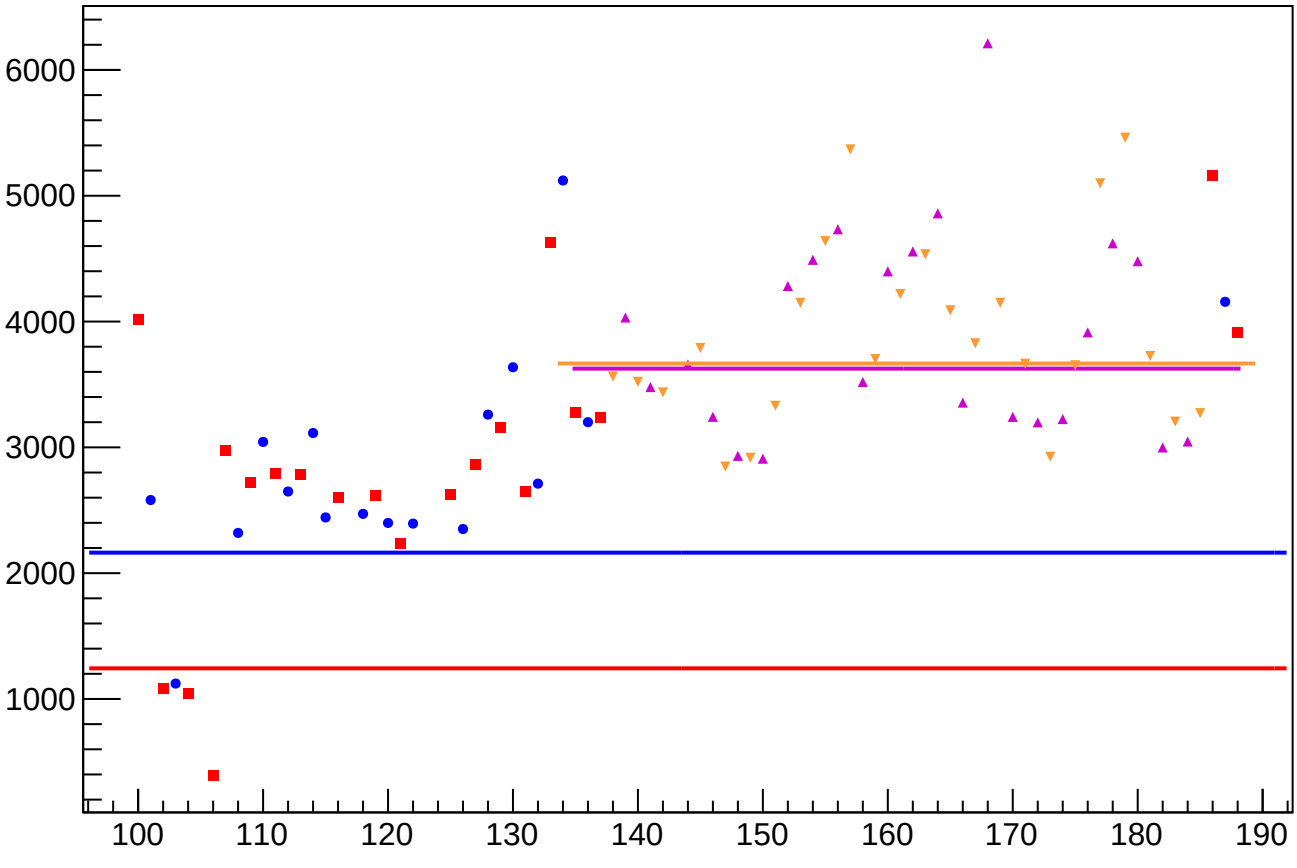
Left: 205.633+/-613.128 χ^2/NDF: 42.7/46

Right: 23.887+/-470.326 χ^2/NDF: 41.3/36

In: 352.875+/-613.514 χ^2/NDF:28.5/39

Out: -62.447+/-470.152 χ^2/NDF:55.2/43

All: 91.215+/-373.177 χ^2/NDF: 84.0/83



Right In: 2163.111+/-0.616 χ^2/NDF: 2061521.9/16

Left Out: 3666.536+/-0.615 χ^2/NDF:1095831.4/23

Right Out: 1243.489+/-0.395 χ^2/NDF: 7216375.7/19

Left In: 3625.940+/-0.611 χ^2/NDF:1257928.4/22

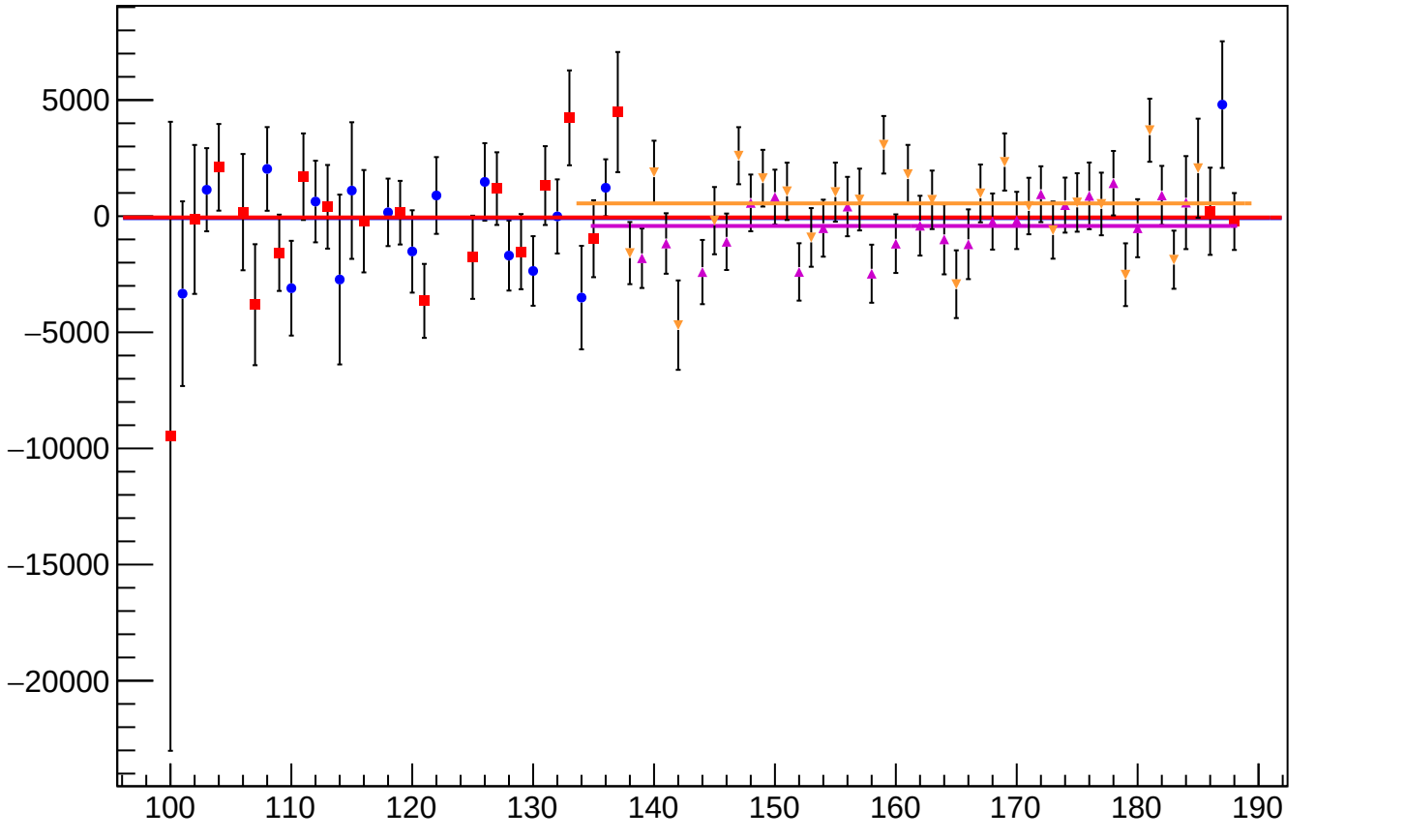
Left: 3646.129+/-0.434 χ^2/NDF: 2355951.7/46

Right: 1511.922+/-0.333 χ^2/NDF: 10858325.3/36

In: 2899.380+/-0.434 χ^2/NDF:6161869.8/39

Out: 1952.034+/-0.332 χ^2/NDF:19303734.5/43

All: 2302.535+/-0.264 χ^2/NDF: 28469956.0/8



Right In: -84.195+/-436.961 χ^2/NDF: 17.6/16

Left Out: 550.663+/-269.206 χ^2/NDF:45.2/23

Right Out: -53.843+/-409.959 χ^2/NDF: 21.7/19

Left In: -421.022+/-269.815 χ^2/NDF:18.0/22

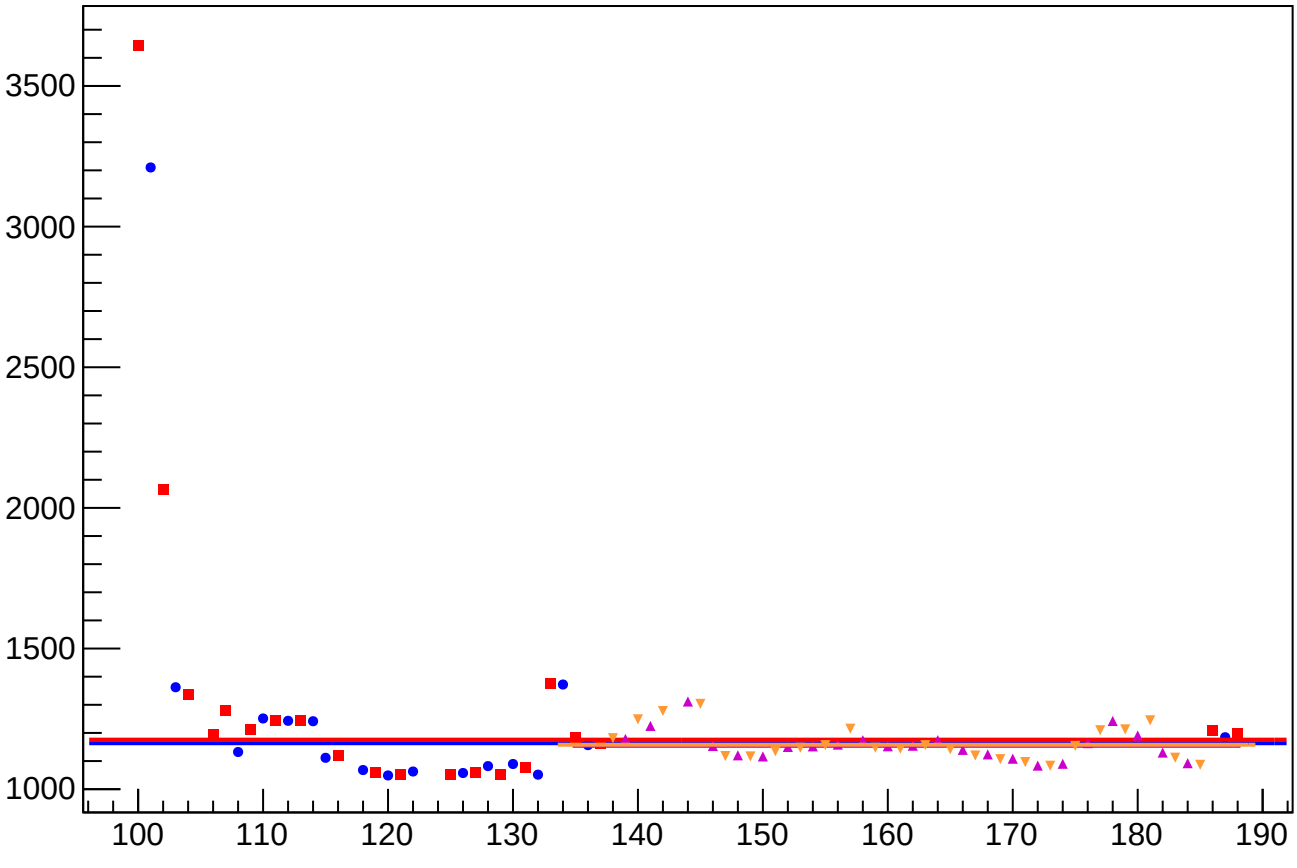
Left: 65.918+/-190.573 χ^2/NDF: 69.7/46

Right: -68.052+/-298.975 χ^2/NDF: 39.3/36

In: -328.046+/-229.575 χ^2/NDF:36.0/39

Out: 368.531+/-225.026 χ^2/NDF:68.4/43

All: 27.212+/-160.702 χ^2/NDF: 109.2/83



Right In: 1163.412+/-0.309 χ^2/NDF: 635478.7/16

Left Out: 1158.178+/-0.190 χ^2/NDF:84114.3/23

Right Out: 1176.103+/-0.290 χ^2/NDF: 333054.4/19

Left In: 1154.232+/-0.191 χ^2/NDF:66479.5/22

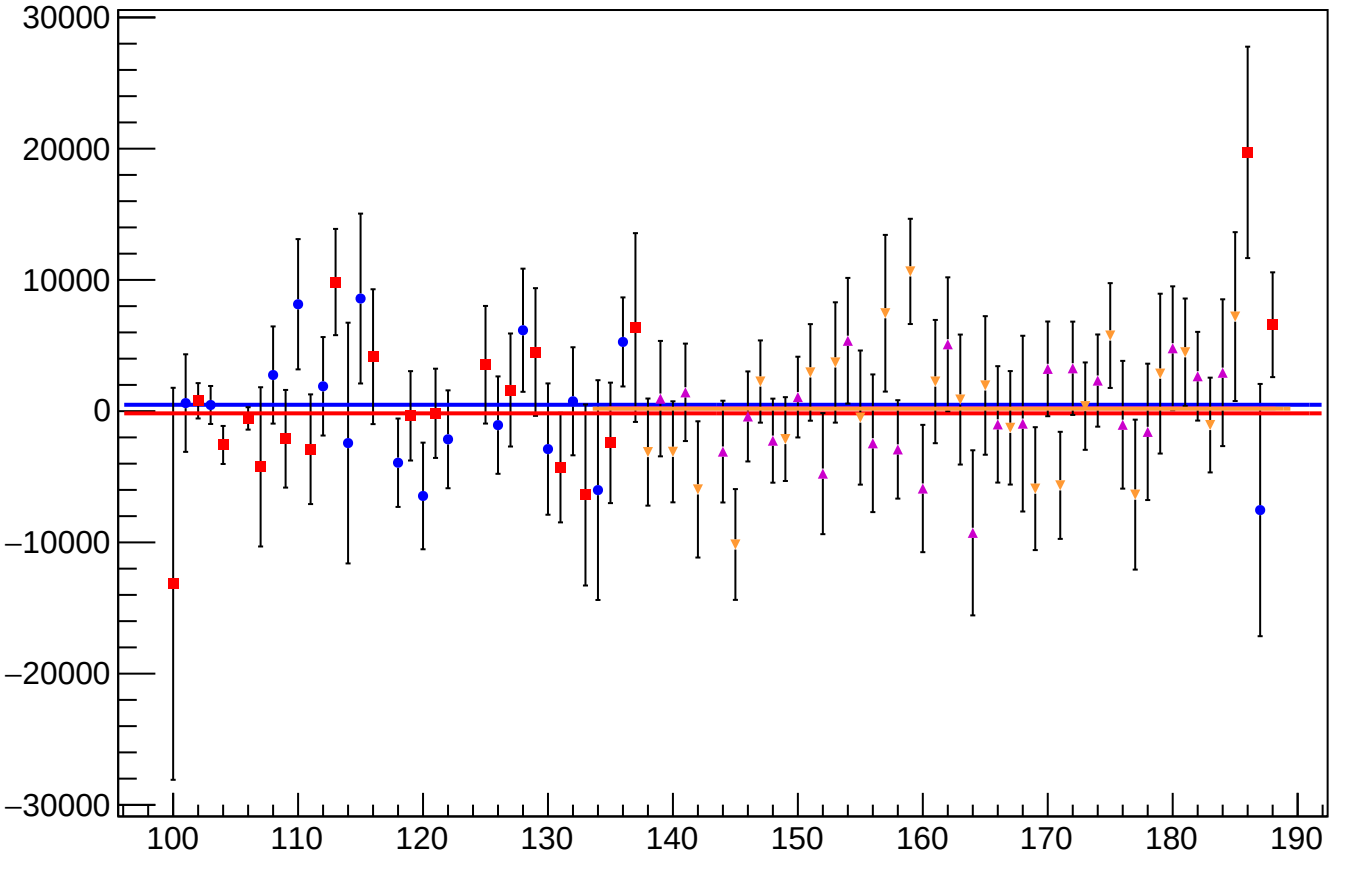
Left: 1156.209+/-0.135 χ^2/NDF: 150808.1/46

Right: 1170.165+/-0.211 χ^2/NDF: 969430.6/36

In: 1156.766+/-0.162 χ^2/NDF:702597.3/39

Out: 1163.582+/-0.159 χ^2/NDF:419841.8/43

All: 1160.242+/-0.114 χ^2/NDF: 1123338.3/83



Right In: 486.139+/-870.533 χ^2/NDF: 15.1/16

Left Out: 189.735+/-869.434 χ^2/NDF:29.3/23

Right Out: -166.672+/-558.915 χ^2/NDF: 25.8/19

Left In: 221.363+/-864.776 χ^2/NDF:13.4/22

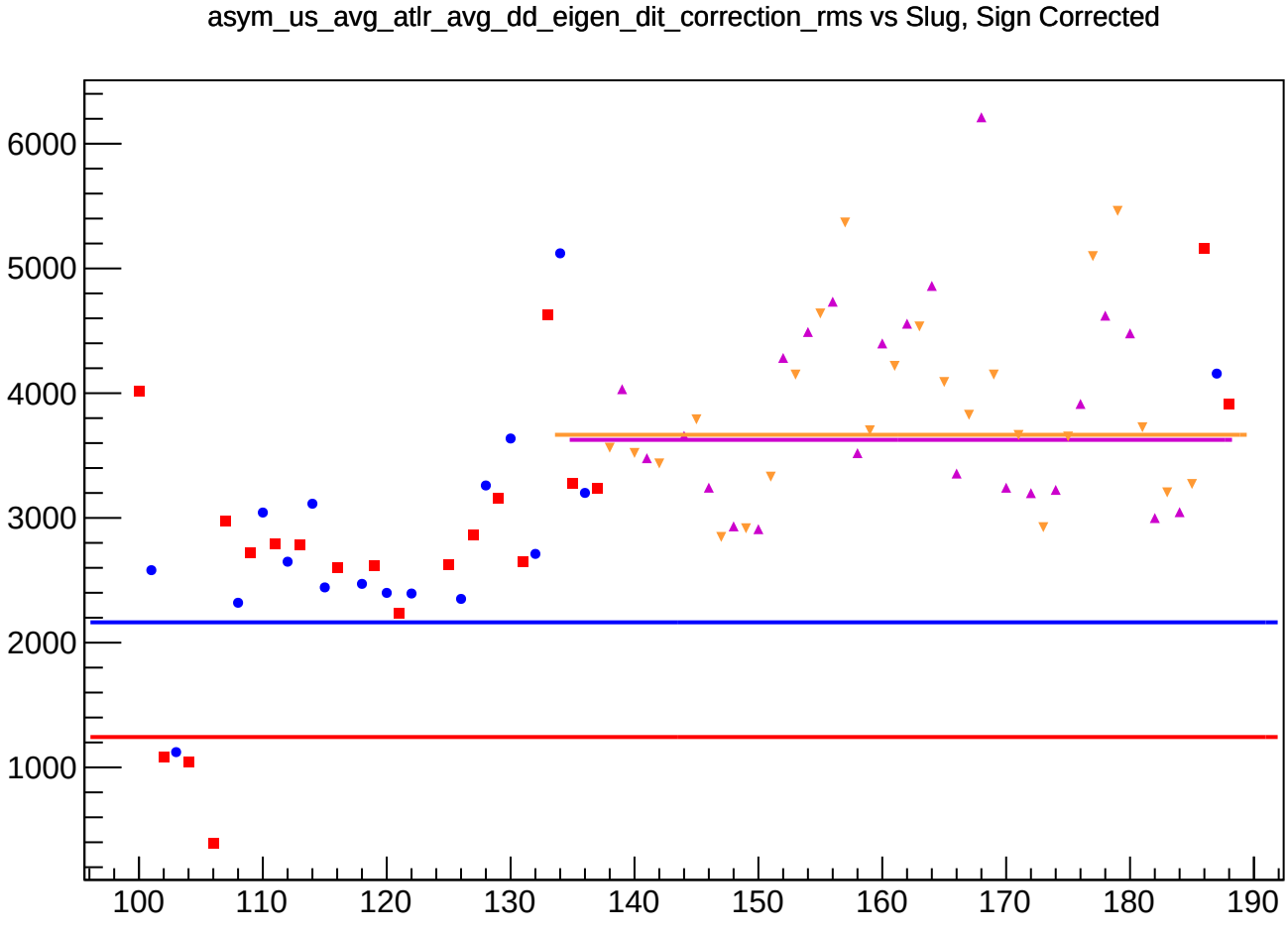
Left: 205.634+/-613.129 χ^2/NDF: 42.7/46

Right: 23.878+/-470.322 χ^2/NDF: 41.3/36

In: 352.873+/-613.514 χ^2/NDF:28.5/39

Out: -62.454+/-470.149 χ^2/NDF:55.2/43

All: 91.208+/-373.175 χ^2/NDF: 84.0/83



Right In: 2163.108+/-0.616 χ^2/NDF: 2061518.3/16

Left Out: 3666.541+/-0.615 χ^2/NDF:1095834.2/23

Right Out: 1243.465+/-0.395 χ^2/NDF: 7216525.4/19

Left In: 3625.945+/-0.611 χ^2/NDF:1257933.0/22

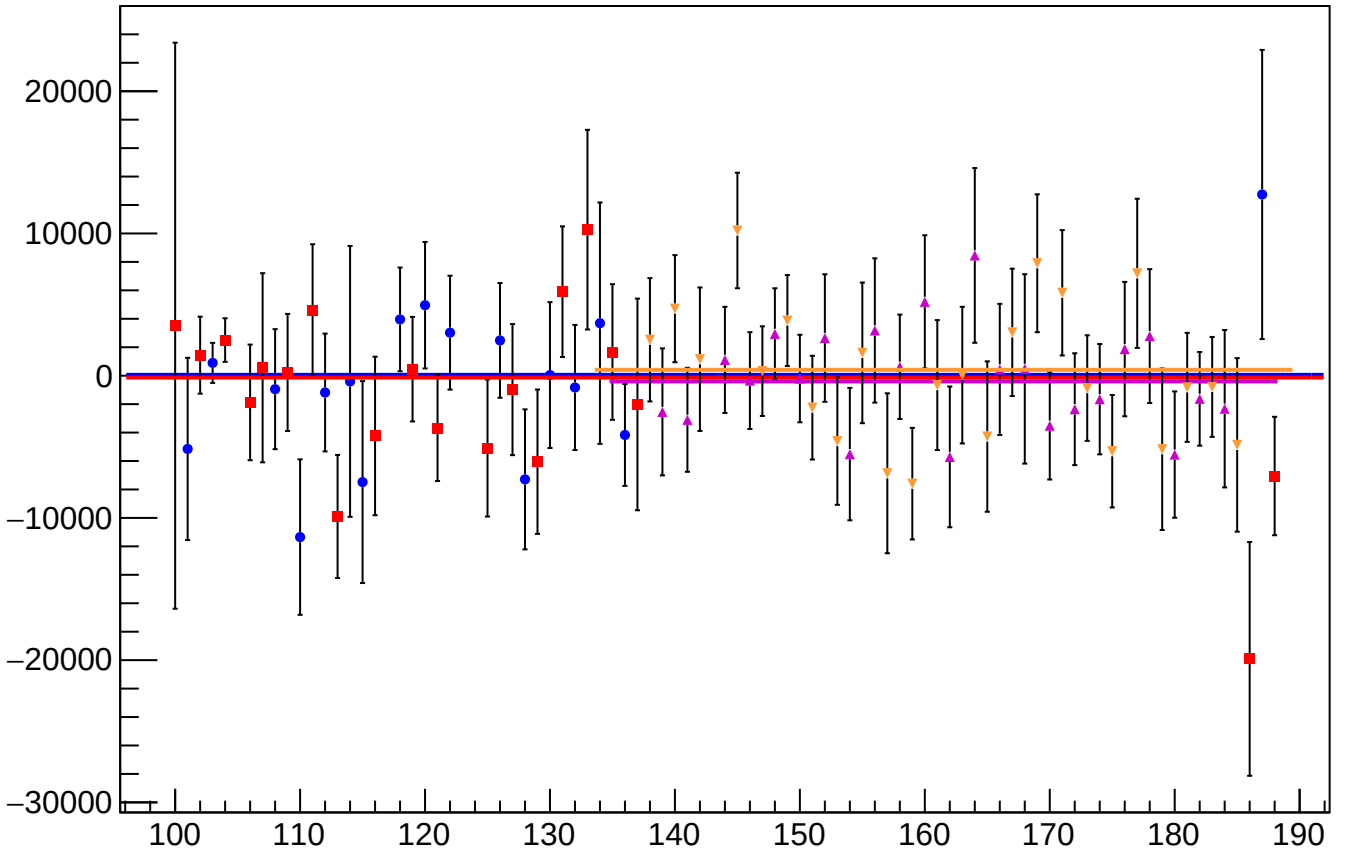
Left: 3646.134+/-0.434 χ^2/NDF: 2355959.1/46

Right: 1511.901+/-0.333 χ^2/NDF: 10858558.6/36

In: 2899.379+/-0.434 χ^2/NDF:6161902.5/39

Out: 1952.005+/-0.332 χ^2/NDF:19304207.7/43

All: 2302.513+/-0.264 χ^2/NDF: 28470654.7/8



Right In: 59.159+/-916.982 χ^2/NDF: 15.3/16

Left Out: 413.494+/-865.331 χ^2/NDF:27.2/23

Right Out: -133.143+/-871.685 χ^2/NDF: 26.3/19

Left In: -403.543+/-862.437 χ^2/NDF:12.3/22

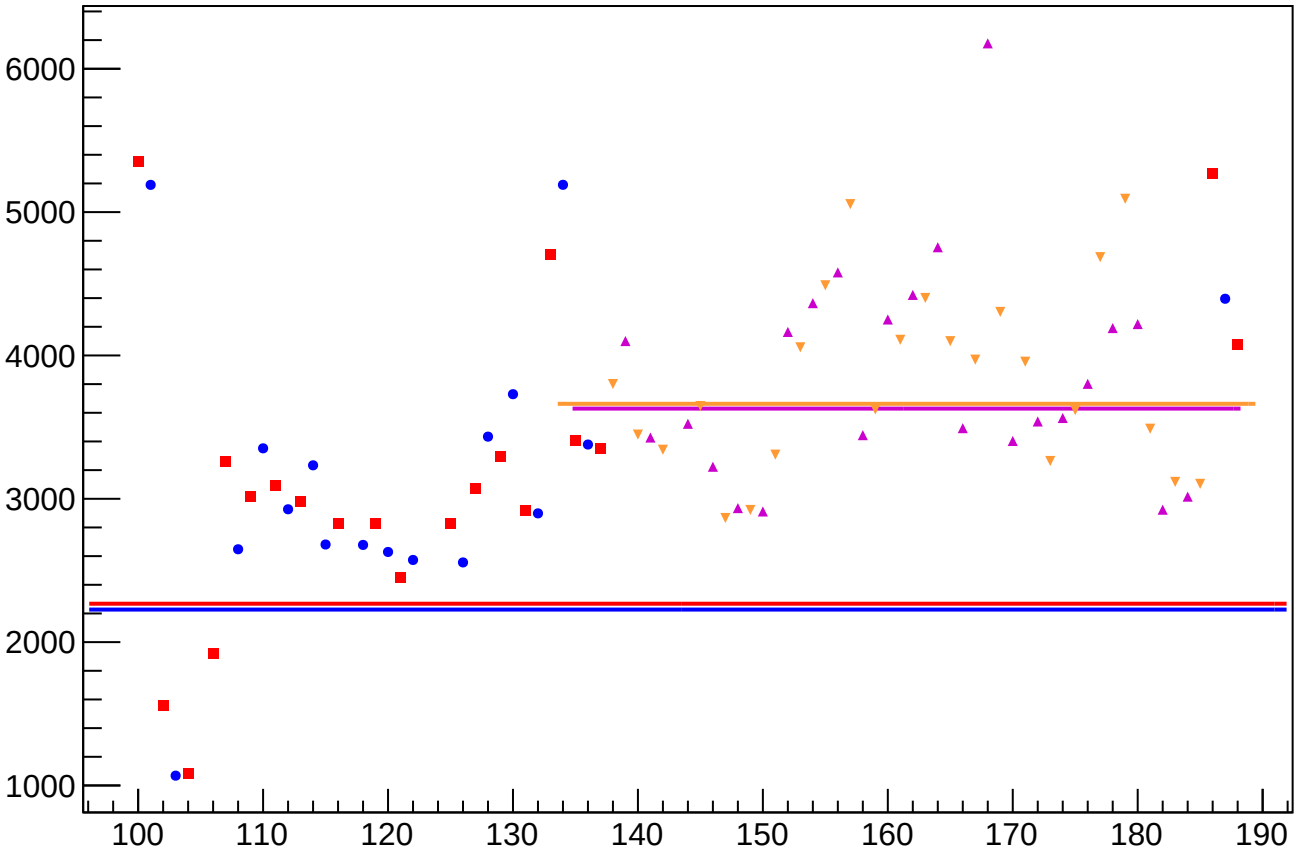
Left: 3.607+/-610.856 χ^2/NDF: 39.9/46

Right: -41.859+/-631.781 χ^2/NDF: 41.6/36

In: -186.362+/-628.234 χ^2/NDF:27.8/39

Out: 142.175+/-614.116 χ^2/NDF:53.6/43

All: -18.360+/-439.152 χ^2/NDF: 81.5/83



Right In: 2227.139+/-0.648 χ^2/NDF: 2928630.2/16

Left Out: 3662.662+/-0.612 χ^2/NDF:893468.3/23

Right Out: 2268.009+/-0.615 χ^2/NDF: 2949213.1/19

Left In: 3629.184+/-0.610 χ^2/NDF:1054949.6/22

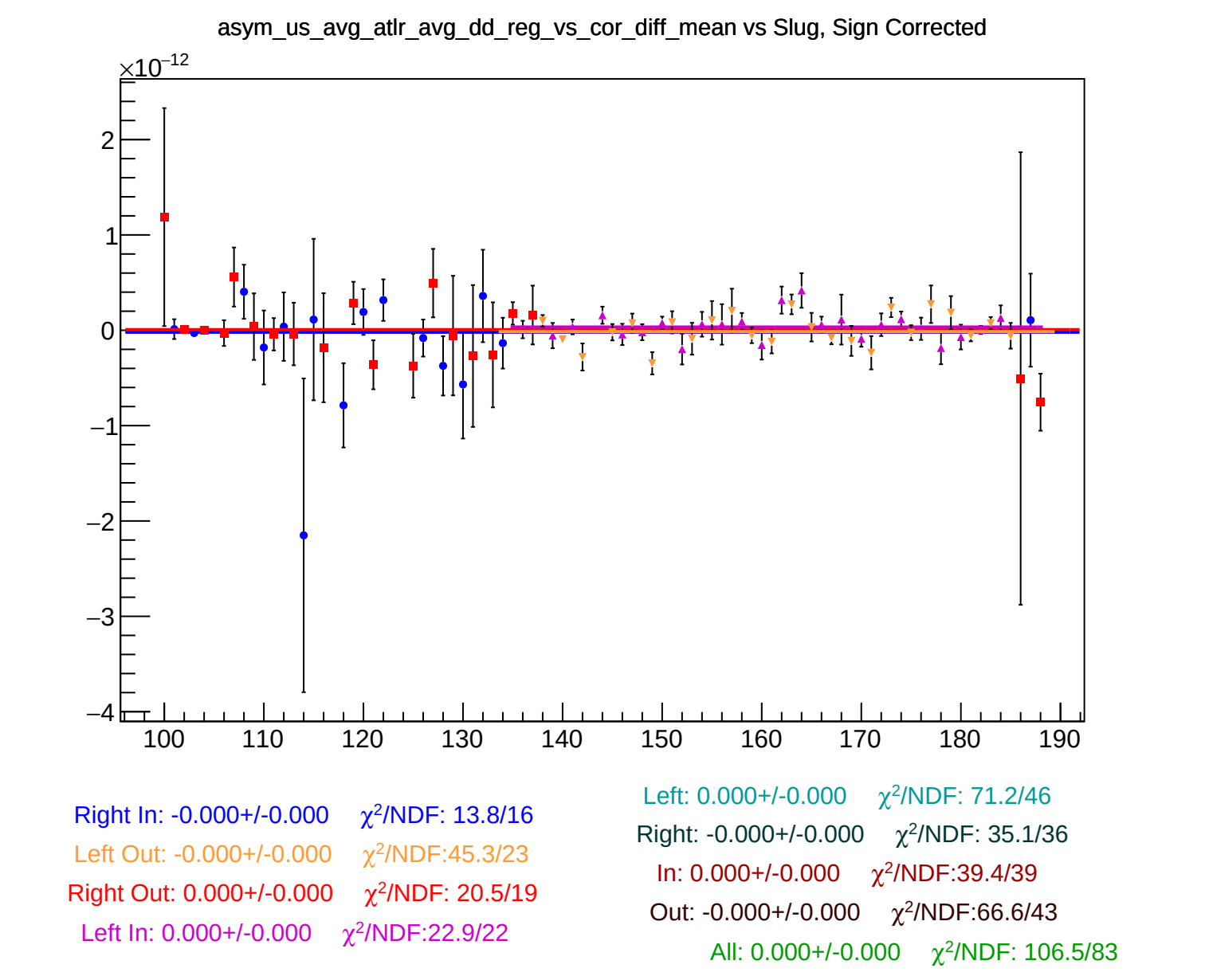
Left: 3645.867+/-0.432 χ^2/NDF: 1949919.7/46

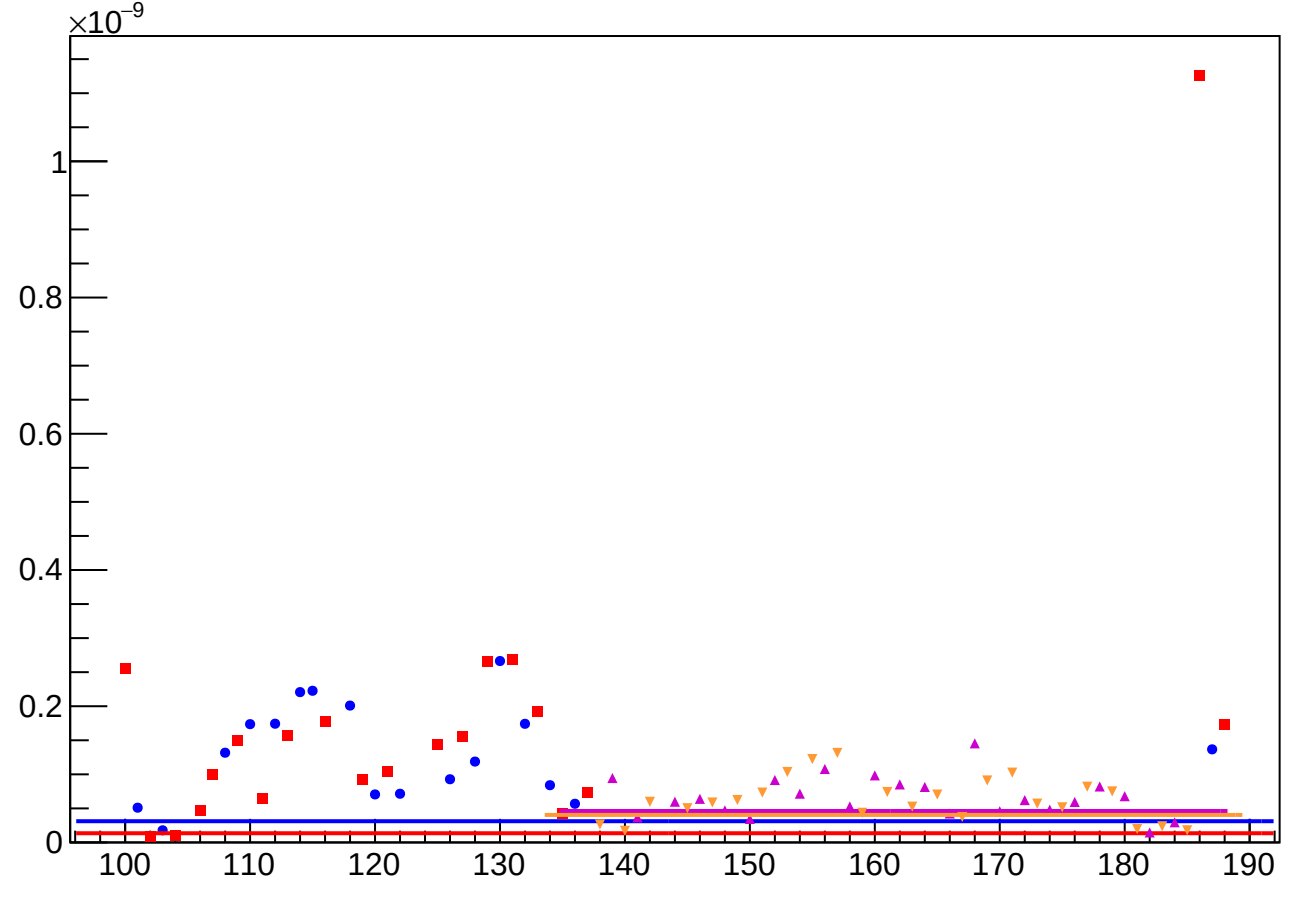
Right: 2248.655+/-0.446 χ^2/NDF: 5879934.7/36

In: 2971.096+/-0.444 χ^2/NDF:6464543.9/39

Out: 2968.858+/-0.434 χ^2/NDF:6427128.8/43

All: 2969.950+/-0.310 χ^2/NDF: 12891685.6/8


asym_us_avg_atlr_avg_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
1
0
−1
−2
−3
−4
100
110
120
130
140
150
160
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 13.8/16
Left Out: -0.000+/-0.000 χ²/NDF:45.3/23
Right Out: 0.000+/-0.000 χ²/NDF: 20.5/19
Left In: 0.000+/-0.000 χ²/NDF:22.9/22
Left: 0.000+/-0.000 χ²/NDF: 71.2/46
Right: -0.000+/-0.000 χ²/NDF: 35.1/36
In: 0.000+/-0.000 χ²/NDF:39.4/39
Out: -0.000+/-0.000 χ²/NDF:66.6/43
All: 0.000+/-0.000 χ²/NDF: 106.5/83



Right In: 0.000+/-0.000 χ^2/NDF: 3092386.1/16

Left Out: 0.000+/-0.000 χ^2/NDF:3432253.9/23

Right Out: 0.000+/-0.000 χ^2/NDF: 4666124.9/19

Left In: 0.000+/-0.000 χ^2/NDF:2954466.9/22

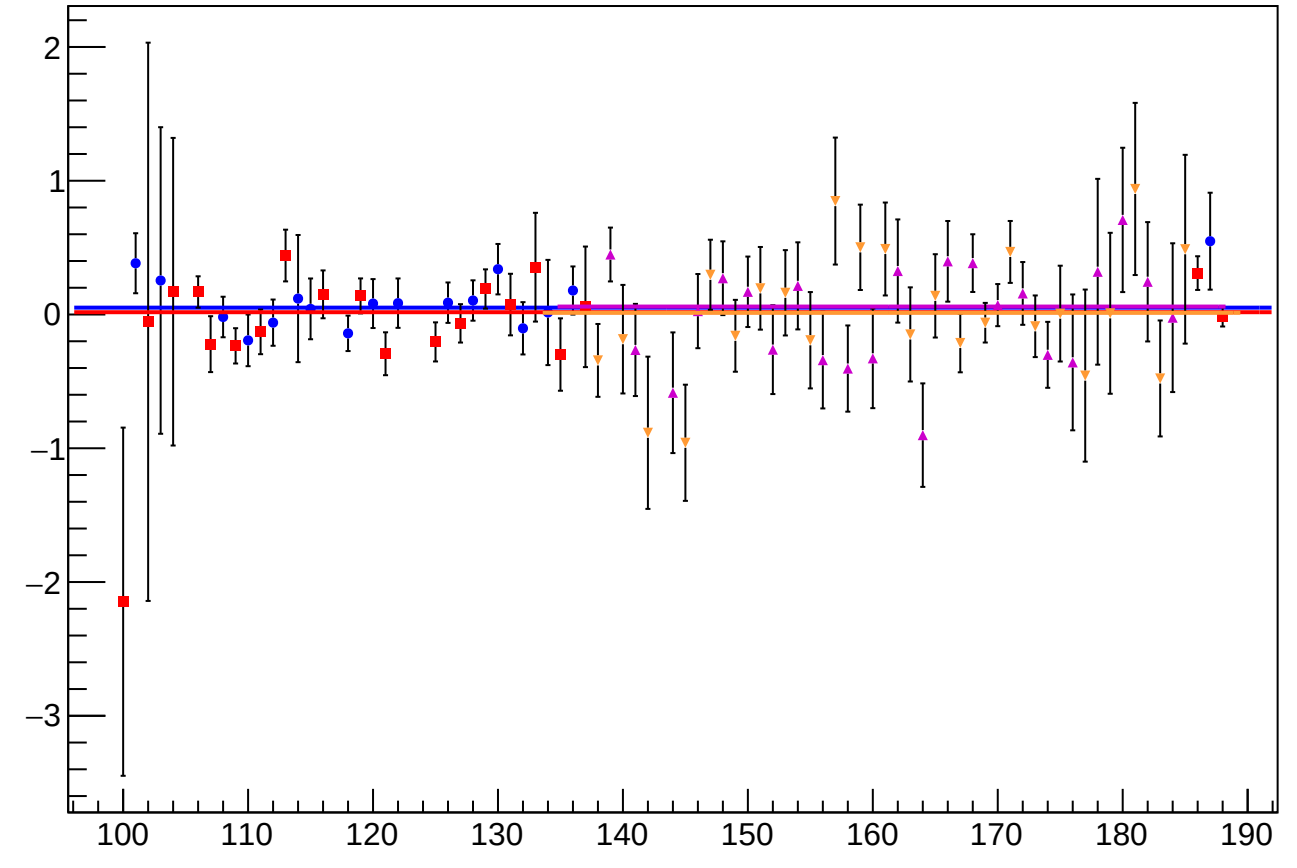
Left: 0.000+/-0.000 χ^2/NDF: 6474821.5/46

Right: 0.000+/-0.000 χ^2/NDF: 8475550.9/36

In: 0.000+/-0.000 χ^2/NDF:6473802.1/39

Out: 0.000+/-0.000 χ^2/NDF:10646338.5/43

All: 0.000+/-0.000 χ^2/NDF: 18516185.1/83



Right In: 0.051+/-0.047 χ^2/NDF: 12.2/16

Left Out: 0.013+/-0.063 χ^2/NDF:29.3/23

Right Out: 0.017+/-0.036 χ^2/NDF: 31.9/19

Left In: 0.059+/-0.062 χ^2/NDF:27.9/22

Left: 0.036+/-0.044 χ^2/NDF: 57.5/46

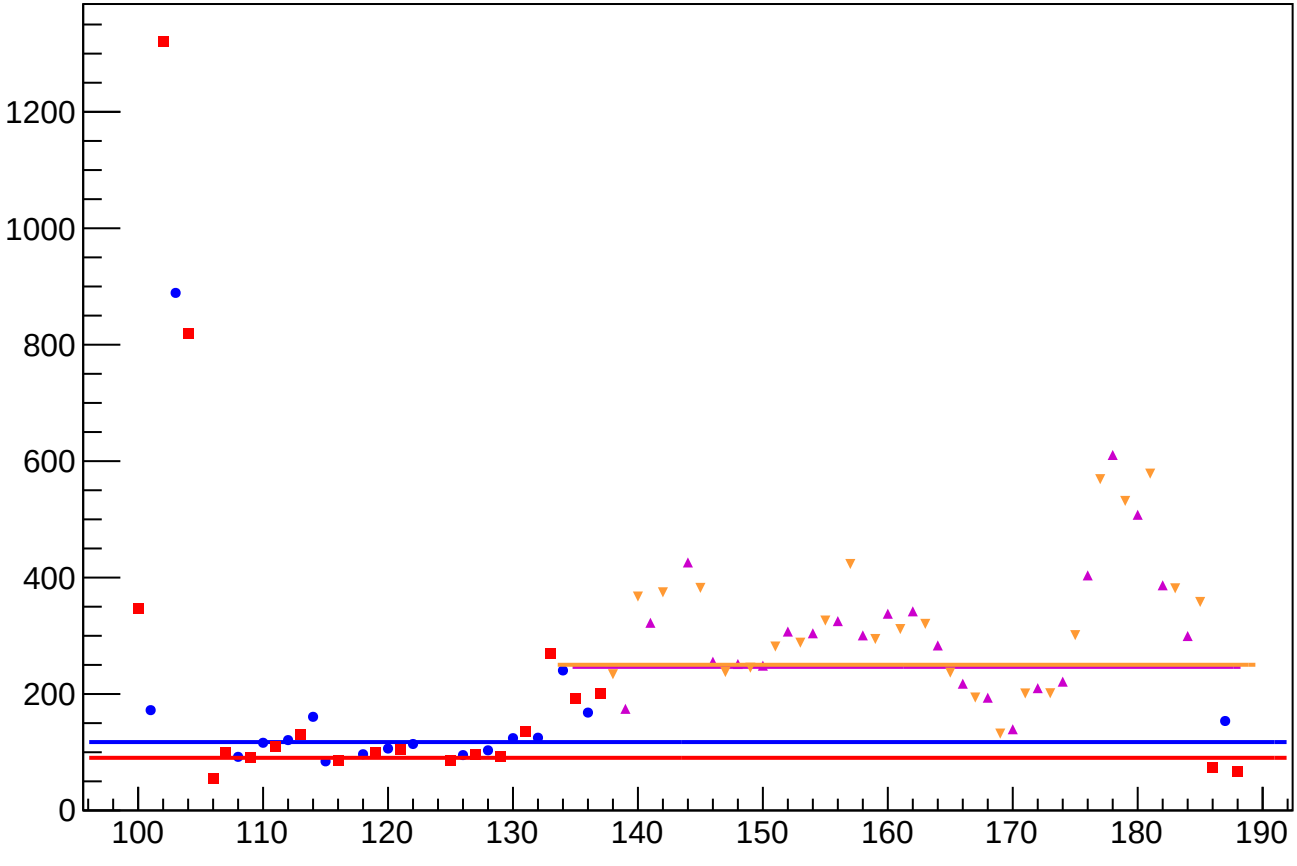
Right: 0.030+/-0.029 χ^2/NDF: 44.4/36

In: 0.054+/-0.037 χ^2/NDF:40.1/39

Out: 0.016+/-0.031 χ^2/NDF:61.2/43

All: 0.032+/-0.024 χ^2/NDF: 102.0/83

asym_us_avg_atlr_avg_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 117.462+/-0.033 χ^2/NDF: 1641117.4/16

Left Out: 250.247+/-0.045 χ^2/NDF:4353162.7/23

Right Out: 90.412+/-0.025 χ^2/NDF: 3012606.5/19

Left In: 246.630+/-0.044 χ^2/NDF:3773083.4/22

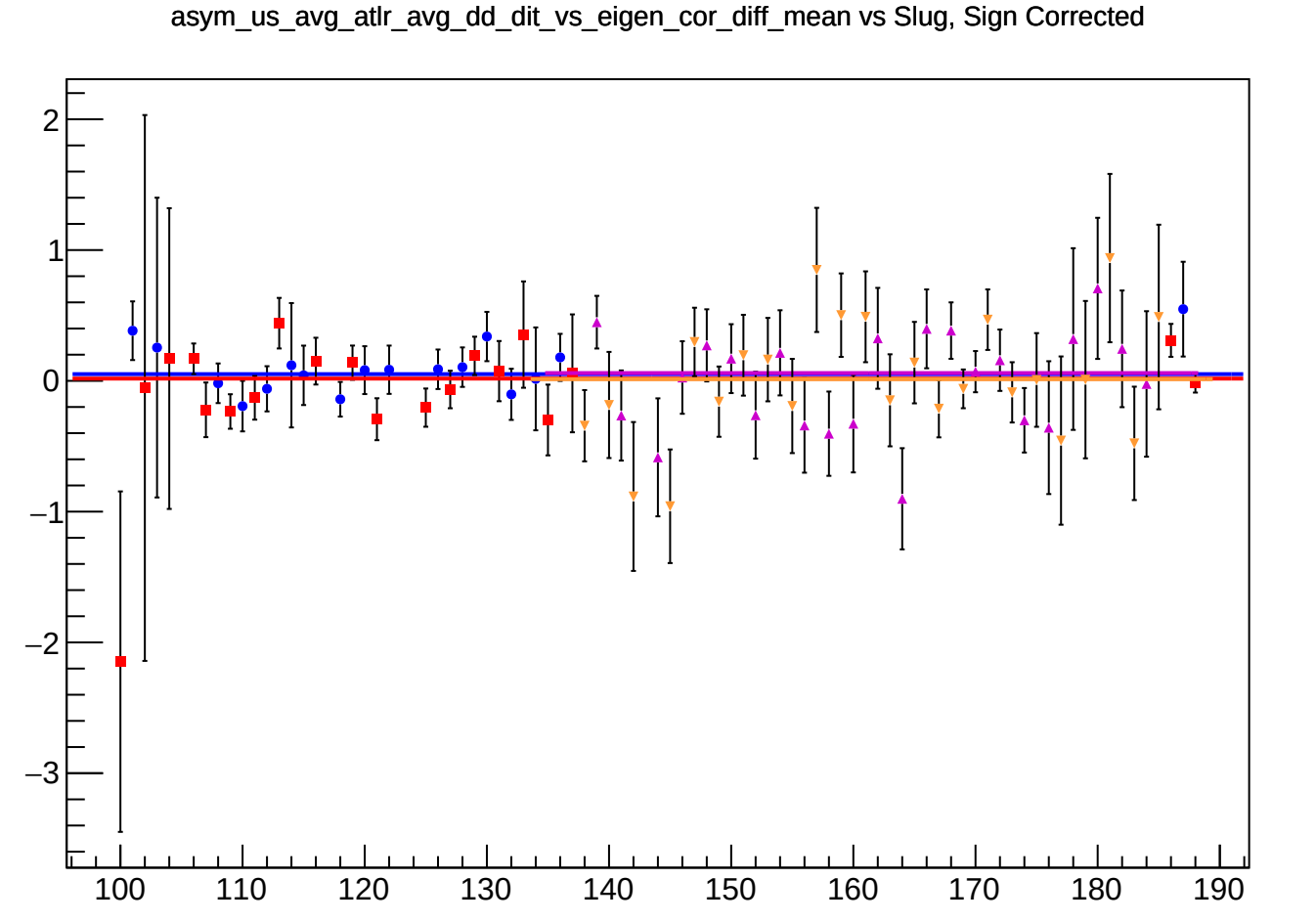
Left: 248.410+/-0.031 χ^2/NDF: 8129595.0/46

Right: 100.332+/-0.020 χ^2/NDF: 5072139.6/36

In: 164.672+/-0.027 χ^2/NDF:10920313.9/39

Out: 129.442+/-0.022 χ^2/NDF:17093079.4/43

All: 143.824+/-0.017 χ^2/NDF: 29058594.9/83



Right In: 0.051+/-0.047 χ^2/NDF: 12.2/16

Left Out: 0.013+/-0.063 χ^2/NDF:29.3/23

Right Out: 0.017+/-0.036 χ^2/NDF: 31.9/19

Left In: 0.059+/-0.062 χ^2/NDF:27.9/22

Left: 0.036+/-0.044 χ^2/NDF: 57.5/46

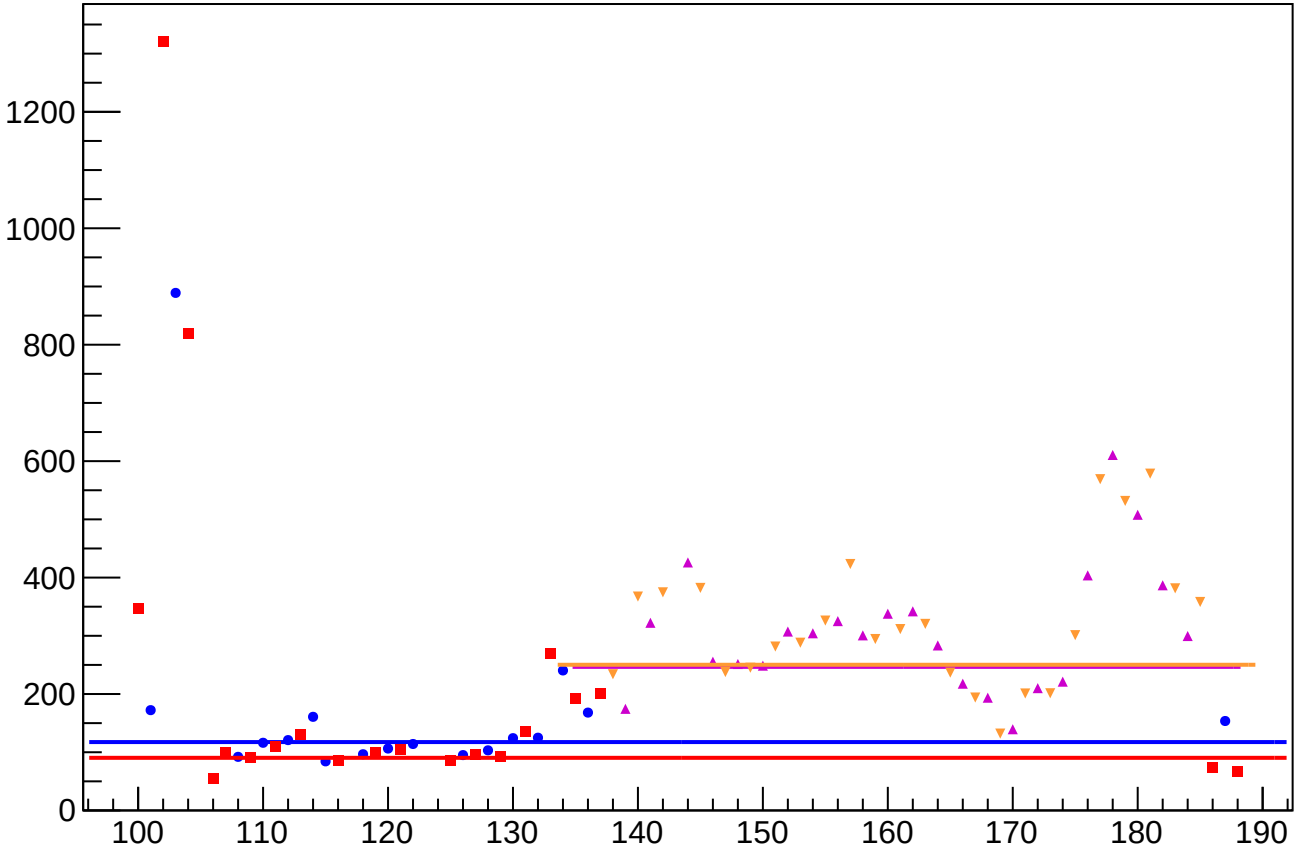
Right: 0.030+/-0.029 χ^2/NDF: 44.4/36

In: 0.054+/-0.037 χ^2/NDF:40.1/39

Out: 0.016+/-0.031 χ^2/NDF:61.2/43

All: 0.032+/-0.024 χ^2/NDF: 102.0/83

asym_us_avg_atlr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 117.462+/-0.033 χ^2/NDF: 1641117.4/16

Left Out: 250.247+/-0.045 χ^2/NDF:4353162.7/23

Right Out: 90.412+/-0.025 χ^2/NDF: 3012606.5/19

Left In: 246.630+/-0.044 χ^2/NDF:3773083.4/22

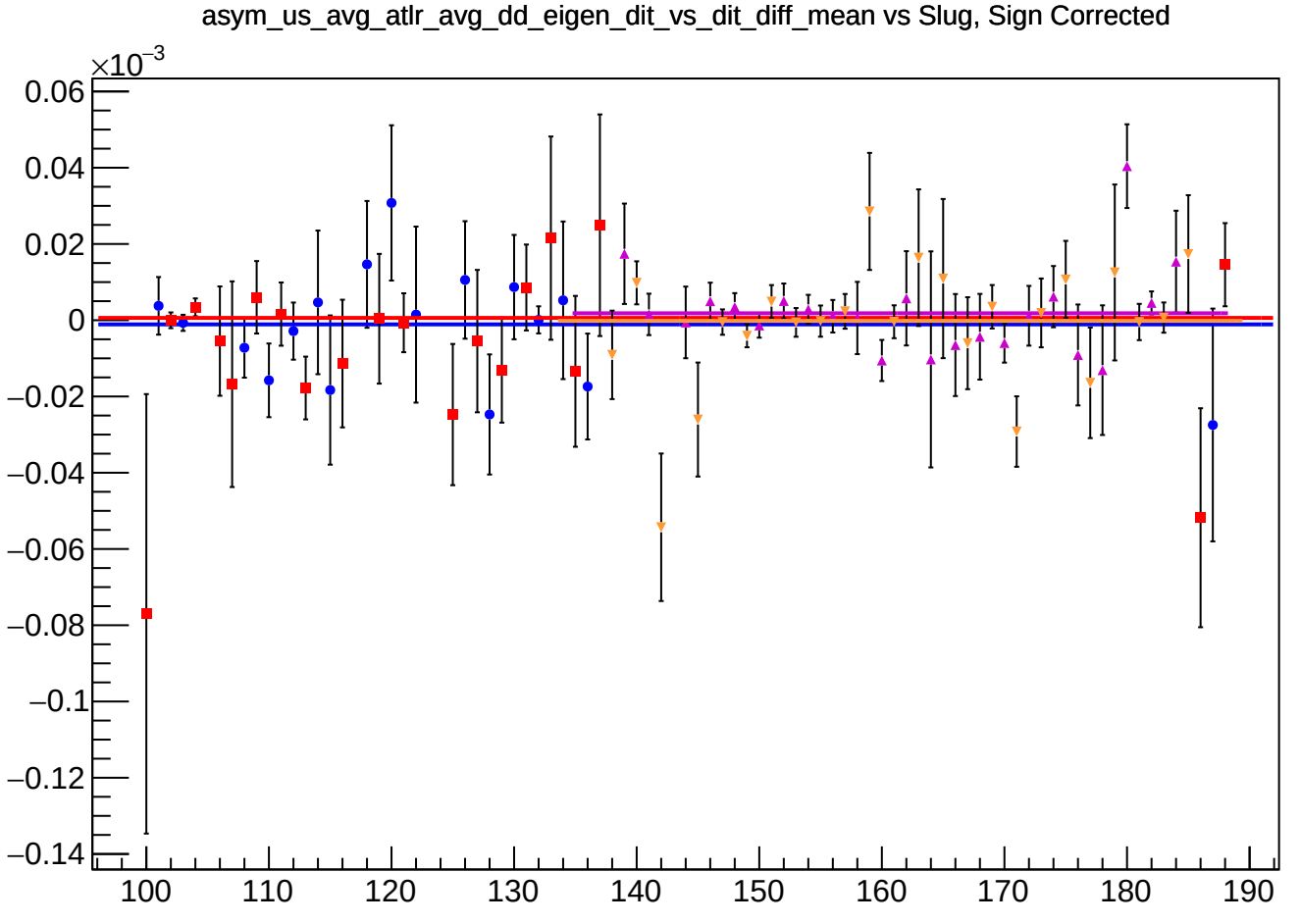
Left: 248.410+/-0.031 χ^2/NDF: 8129595.0/46

Right: 100.332+/-0.020 χ^2/NDF: 5072139.6/36

In: 164.672+/-0.027 χ^2/NDF:10920313.9/39

Out: 129.442+/-0.022 χ^2/NDF:17093079.4/43

All: 143.824+/-0.017 χ^2/NDF: 29058594.9/83



Right In: -0.000+/-0.000 χ^2/NDF: 13.3/16

Left Out: -0.000+/-0.000 χ^2/NDF:37.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 20.0/19

Left In: 0.000+/-0.000 χ^2/NDF:28.2/22

Left: 0.000+/-0.000 χ^2/NDF: 66.8/46

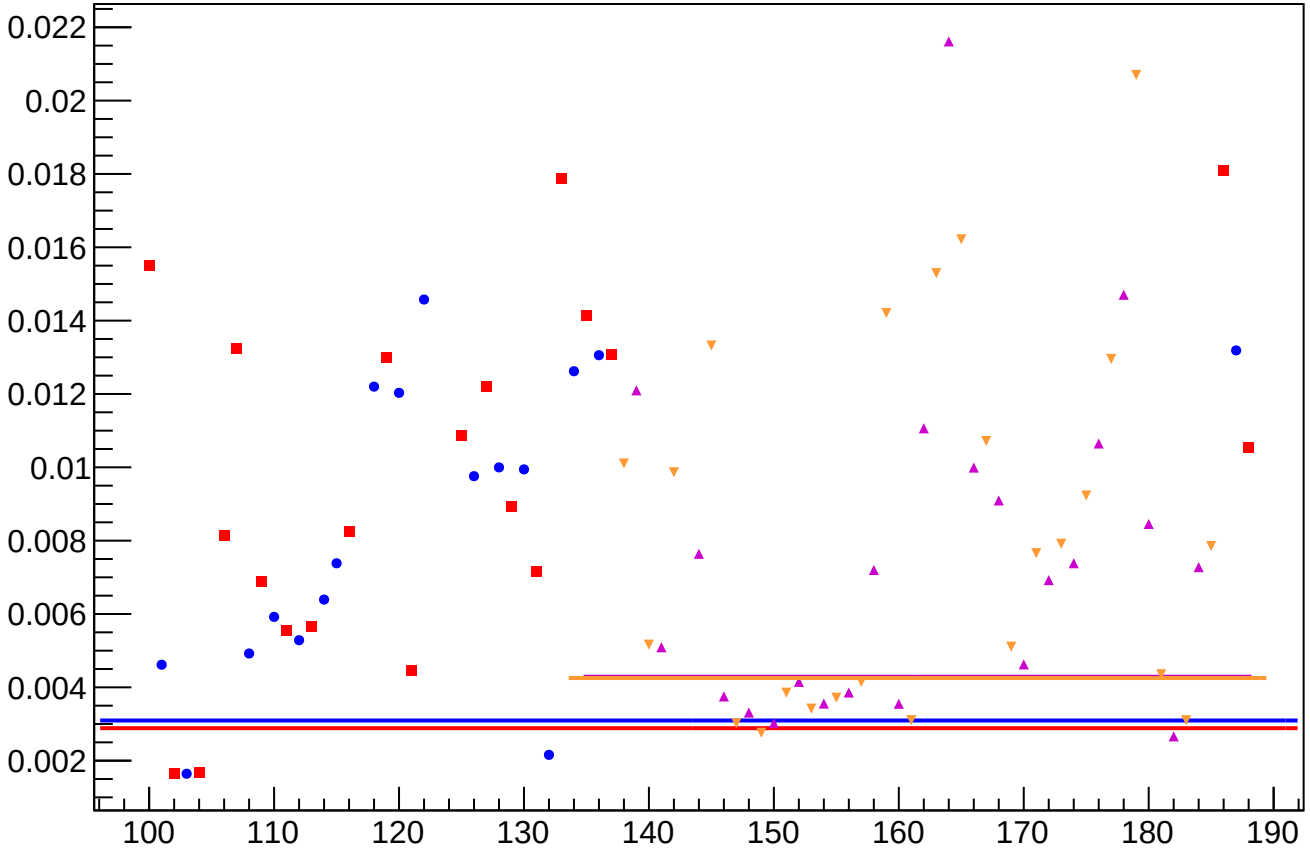
Right: -0.000+/-0.000 χ^2/NDF: 34.0/36

In: 0.000+/-0.000 χ^2/NDF:43.7/39

Out: 0.000+/-0.000 χ^2/NDF:57.4/43

All: 0.000+/-0.000 χ^2/NDF: 101.3/83

asym_us_avg_atlr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 6183472.1/16

Left Out: 0.004+/-0.000 χ^2/NDF:8492565.6/23

Right Out: 0.003+/-0.000 χ^2/NDF: 8284762.1/19

Left In: 0.004+/-0.000 χ^2/NDF:6598609.8/22

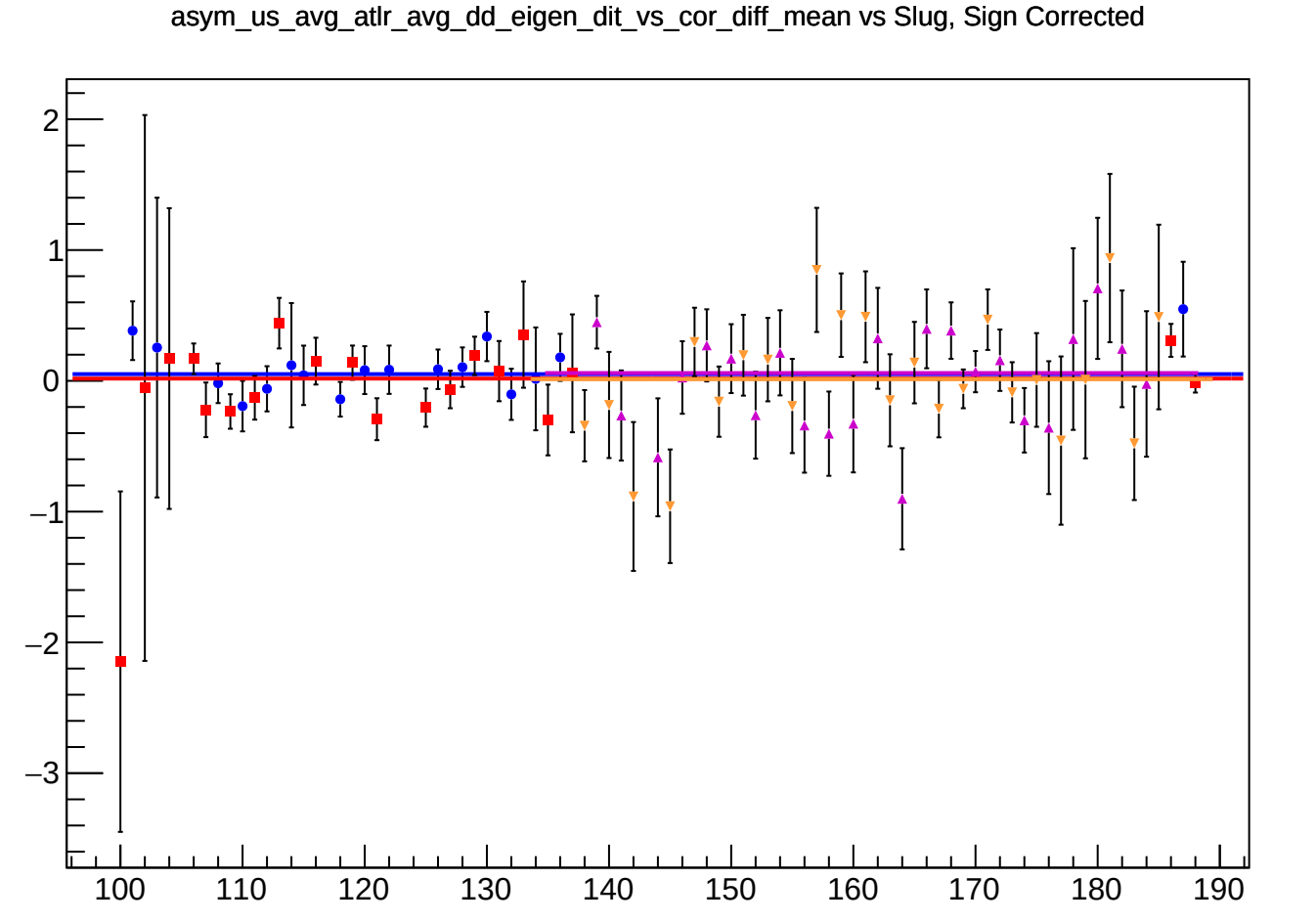
Left: 0.004+/-0.000 χ^2/NDF: 15092064.0/46

Right: 0.003+/-0.000 χ^2/NDF: 14488222.8/36

In: 0.004+/-0.000 χ^2/NDF:13512299.8/39

Out: 0.004+/-0.000 χ^2/NDF:17919123.5/43

All: 0.004+/-0.000 χ^2/NDF: 31467087.1/83



Right In: 0.051+/-0.047 χ^2/NDF: 12.2/16

Left Out: 0.013+/-0.063 χ^2/NDF:29.3/23

Right Out: 0.017+/-0.036 χ^2/NDF: 31.9/19

Left In: 0.059+/-0.062 χ^2/NDF:27.9/22

Left: 0.036+/-0.044 χ^2/NDF: 57.5/46

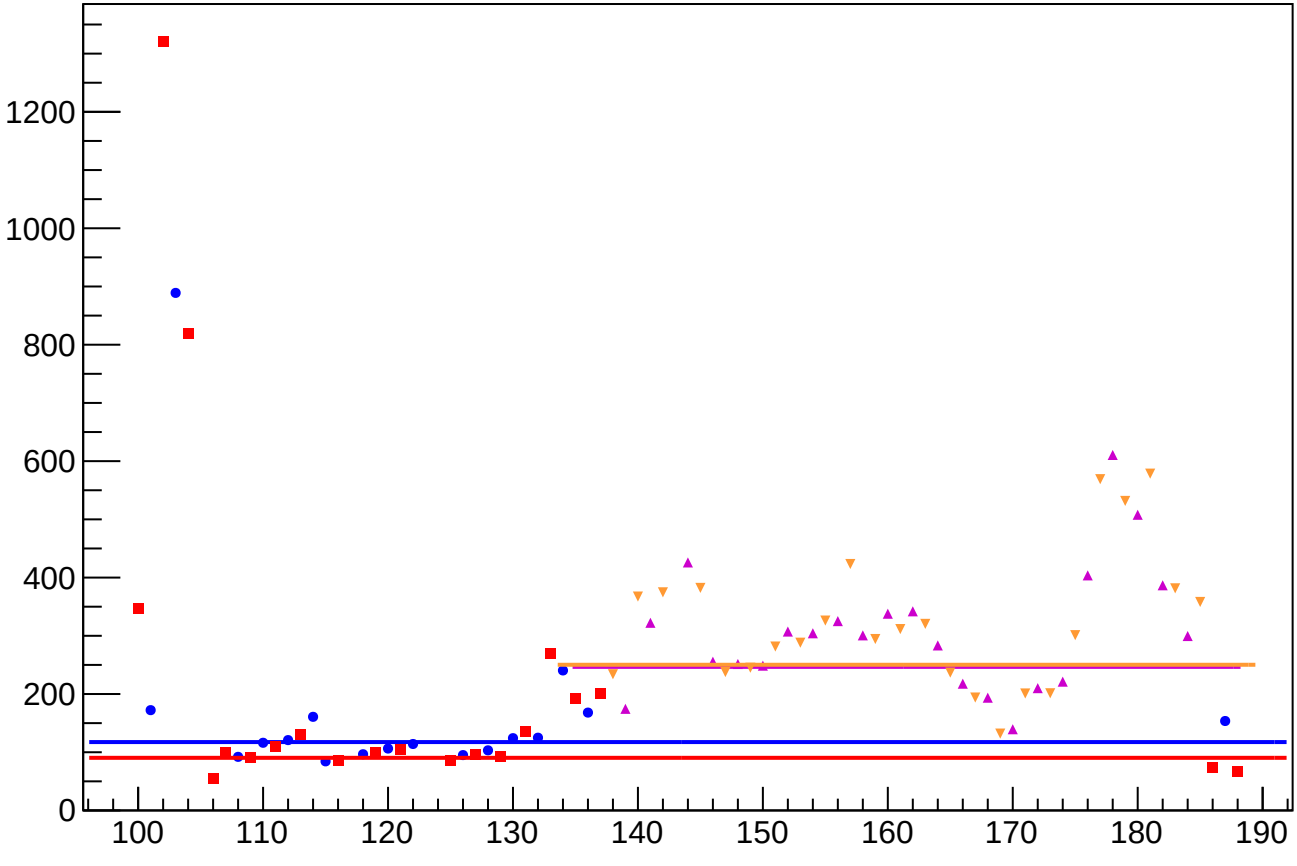
Right: 0.030+/-0.029 χ^2/NDF: 44.4/36

In: 0.054+/-0.037 χ^2/NDF:40.1/39

Out: 0.016+/-0.031 χ^2/NDF:61.2/43

All: 0.032+/-0.024 χ^2/NDF: 102.0/83

asym_us_avg_atlr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 117.462+/-0.033 χ^2/NDF: 1641114.3/16

Left Out: 250.248+/-0.045 χ^2/NDF:4353323.9/23

Right Out: 90.408+/-0.025 χ^2/NDF: 3012829.1/19

Left In: 246.632+/-0.044 χ^2/NDF:3773144.3/22

Left: 248.411+/-0.031 χ^2/NDF: 8129814.5/46

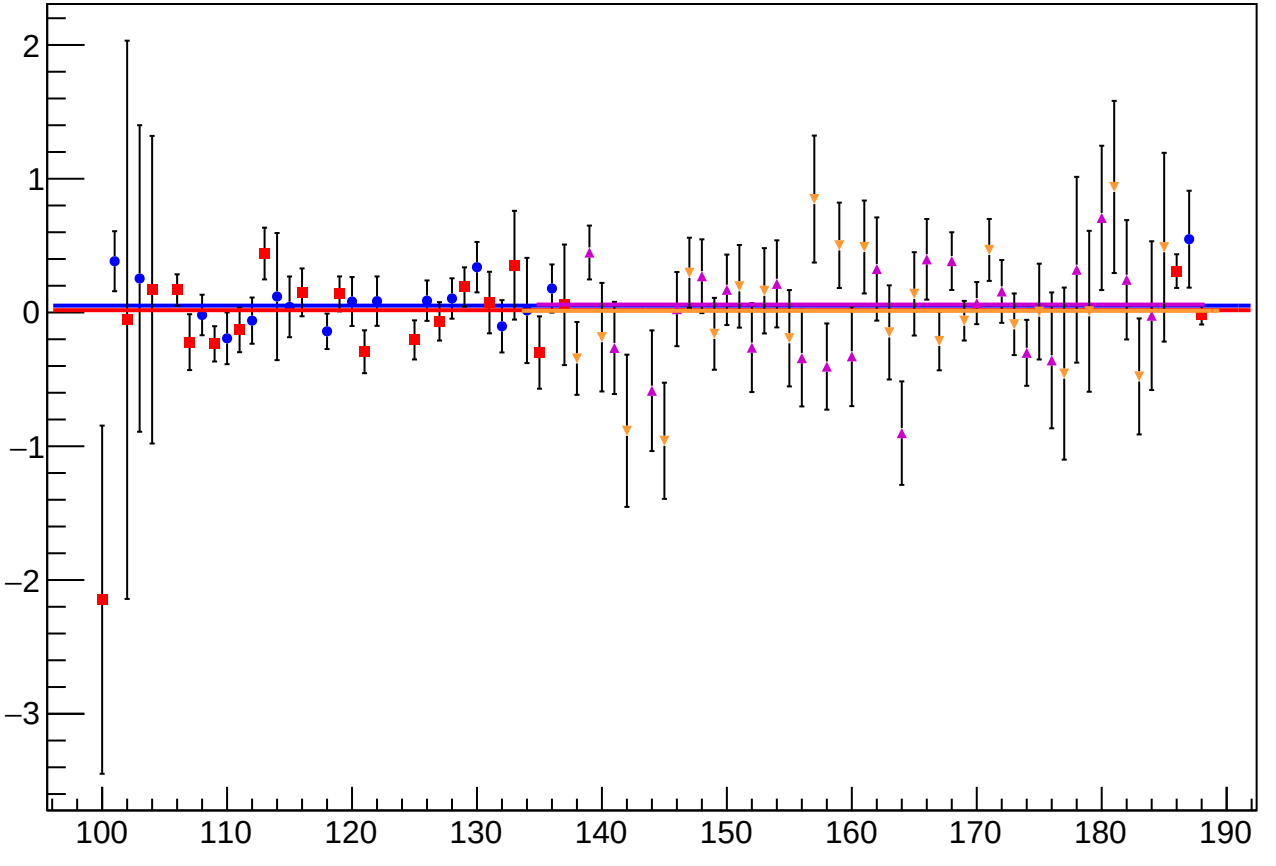
Right: 100.329+/-0.020 χ^2/NDF: 5072479.5/36

In: 164.672+/-0.027 χ^2/NDF:10920470.2/39

Out: 129.438+/-0.022 χ^2/NDF:17094034.8/43

All: 143.820+/-0.017 χ^2/NDF: 29059998.4/83

asym_us_avg_atlr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.051+/-0.047 χ^2/NDF: 12.2/16

Left Out: 0.013+/-0.063 χ^2/NDF:29.3/23

Right Out: 0.017+/-0.036 χ^2/NDF: 31.9/19

Left In: 0.059+/-0.062 χ^2/NDF:27.9/22

Left: 0.036+/-0.044 χ^2/NDF: 57.5/46

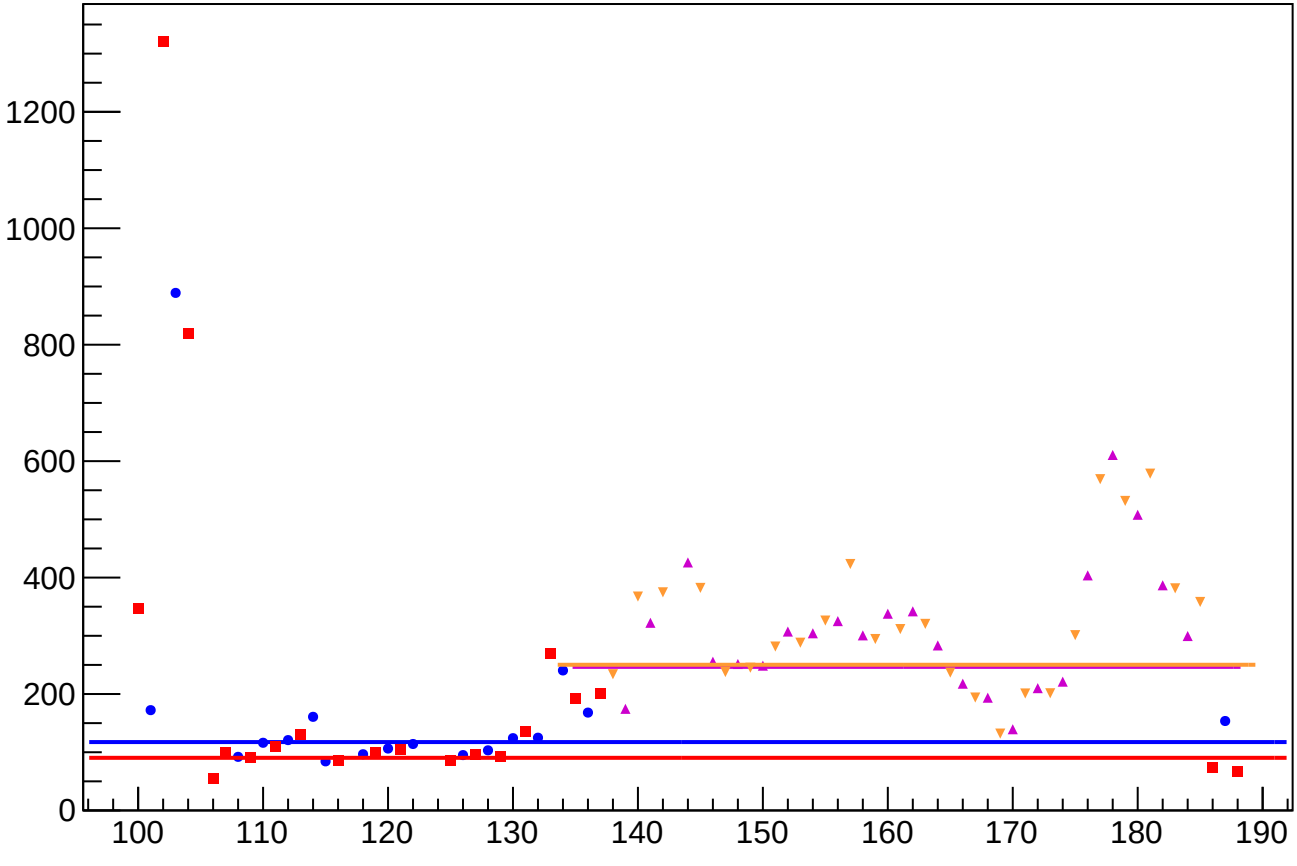
Right: 0.030+/-0.029 χ^2/NDF: 44.4/36

In: 0.054+/-0.037 χ^2/NDF:40.1/39

Out: 0.016+/-0.031 χ^2/NDF:61.2/43

All: 0.032+/-0.024 χ^2/NDF: 102.0/83

asym_us_avg_atlr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 117.462+/-0.033 χ^2/NDF: 1641114.3/16

Left Out: 250.248+/-0.045 χ^2/NDF:4353323.9/23

Right Out: 90.408+/-0.025 χ^2/NDF: 3012829.1/19

Left In: 246.632+/-0.044 χ^2/NDF:3773144.3/22

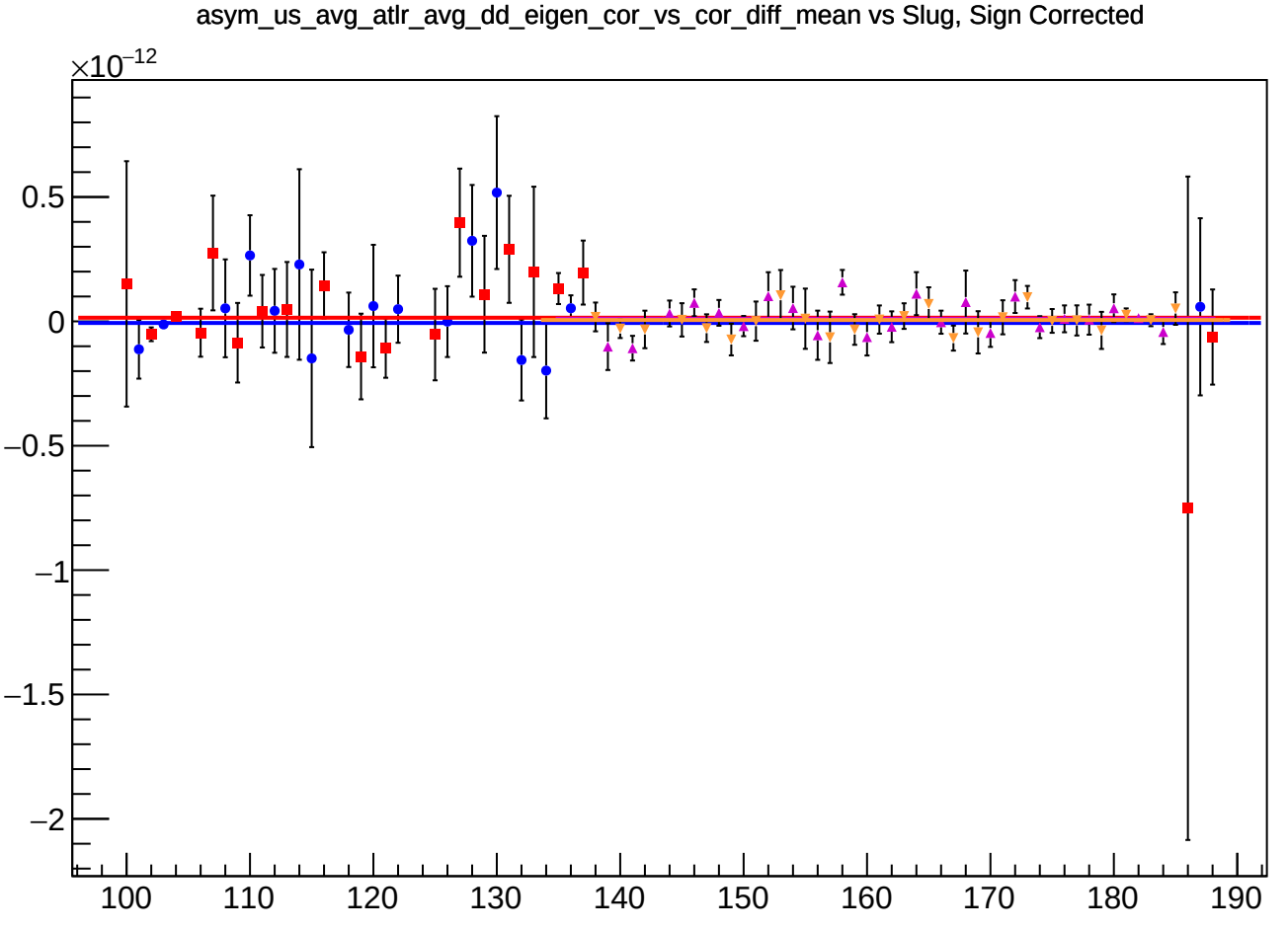
Left: 248.411+/-0.031 χ^2/NDF: 8129814.5/46

Right: 100.329+/-0.020 χ^2/NDF: 5072479.5/36

In: 164.672+/-0.027 χ^2/NDF:10920470.2/39

Out: 129.438+/-0.022 χ^2/NDF:17094034.8/43

All: 143.820+/-0.017 χ^2/NDF: 29059998.4/83



Right In: -0.000+/-0.000 χ^2/NDF: 13.1/16

Left Out: 0.000+/-0.000 χ^2/NDF:13.8/23

Right Out: 0.000+/-0.000 χ^2/NDF: 22.4/19

Left In: 0.000+/-0.000 χ^2/NDF:27.9/22

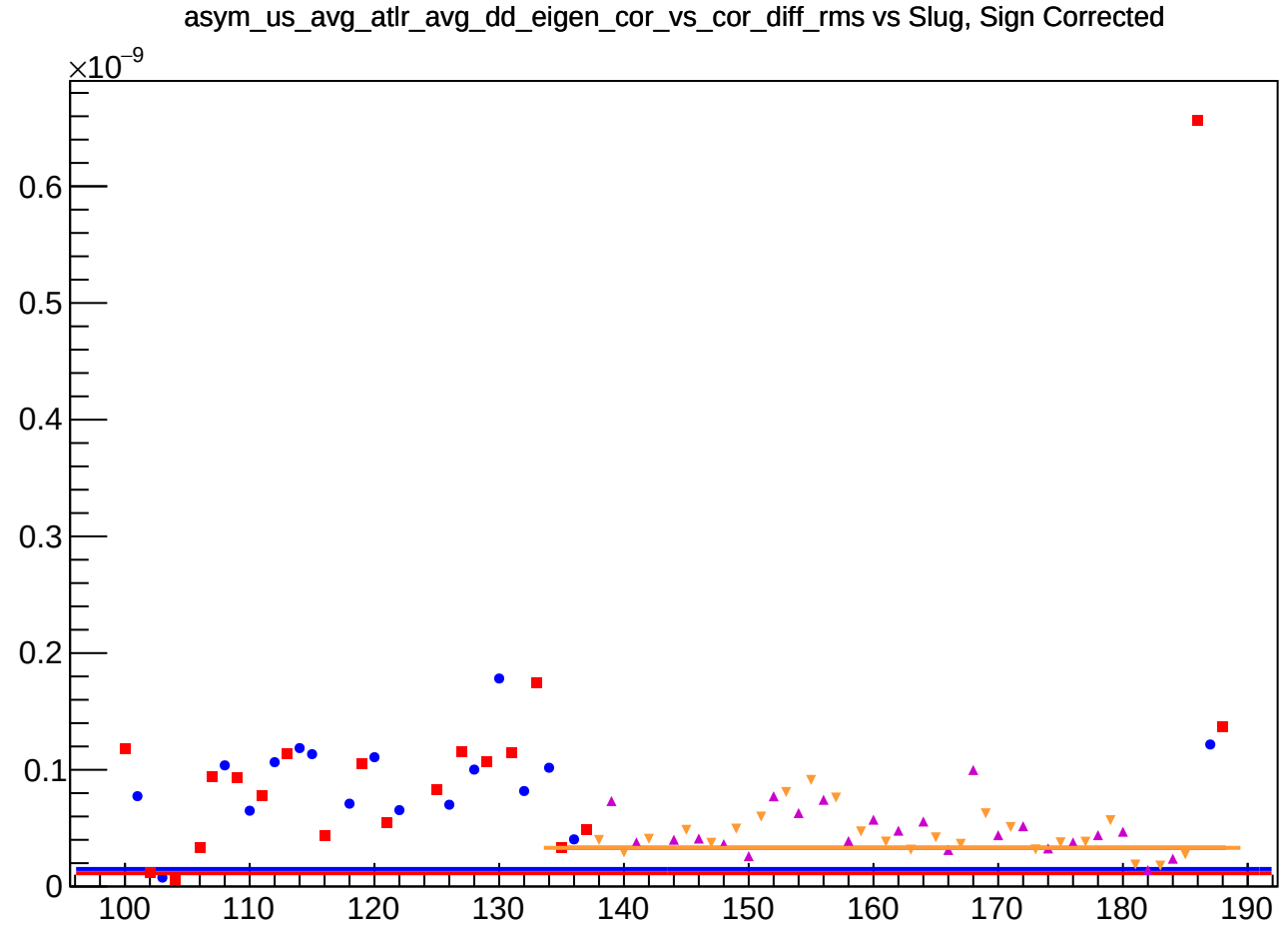
Left: 0.000+/-0.000 χ^2/NDF: 41.8/46

Right: 0.000+/-0.000 χ^2/NDF: 37.2/36

In: 0.000+/-0.000 χ^2/NDF:42.0/39

Out: 0.000+/-0.000 χ^2/NDF:36.6/43

All: 0.000+/-0.000 χ^2/NDF: 79.1/83



Right In: 0.000+/-0.000 χ^2/NDF: 6072639.7/16

Left Out: 0.000+/-0.000 χ^2/NDF:4025318.1/23

Right Out: 0.000+/-0.000 χ^2/NDF: 7200210.1/19

Left In: 0.000+/-0.000 χ^2/NDF:5018453.7/22

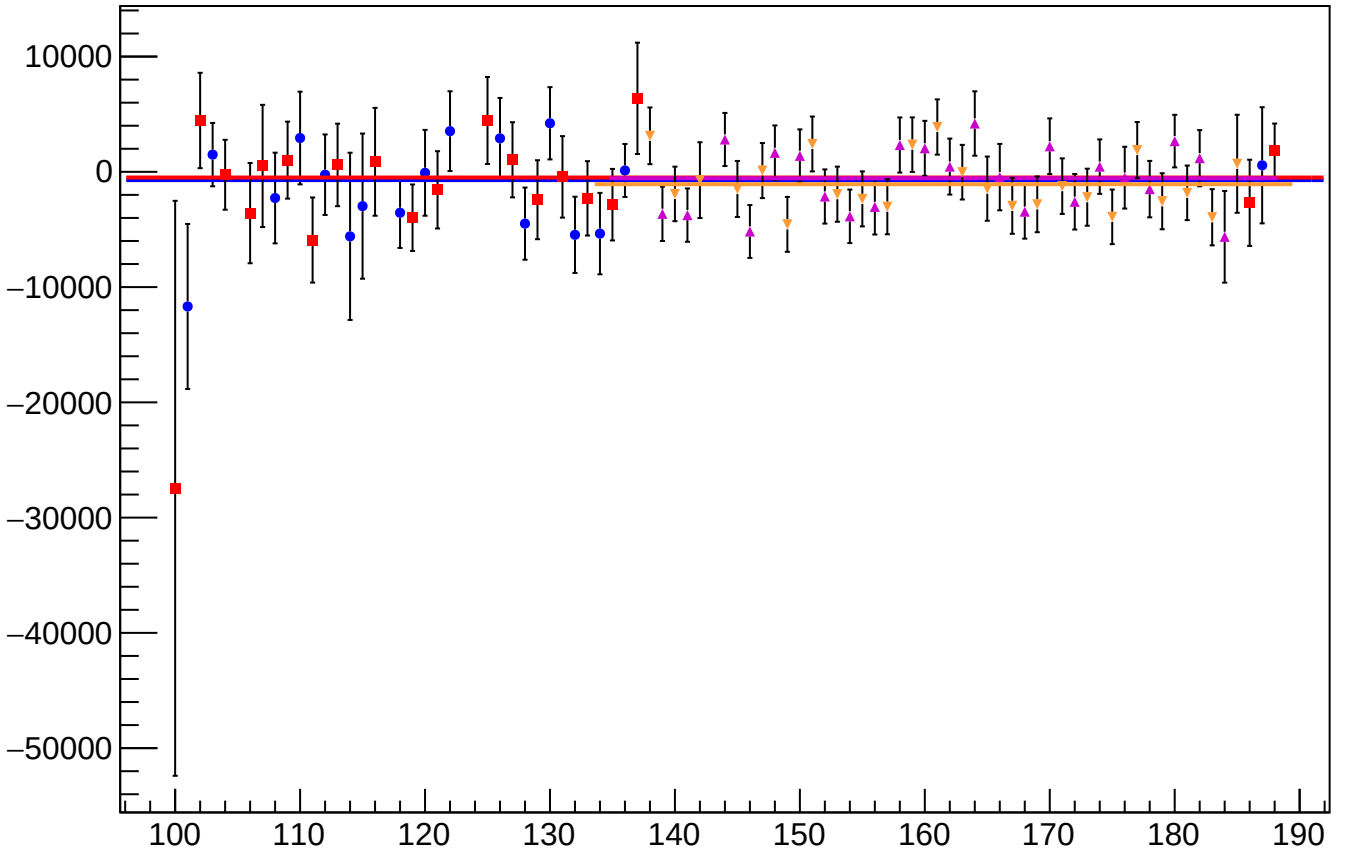
Left: 0.000+/-0.000 χ^2/NDF: 9043794.9/46

Right: 0.000+/-0.000 χ^2/NDF: 13379069.5/36

In: 0.000+/-0.000 χ^2/NDF:13585242.0/39

Out: 0.000+/-0.000 χ^2/NDF:15815080.1/43

All: 0.000+/-0.000 χ^2/NDF: 29686327.8/83



Right In: -715.819+/-859.857 χ^2/NDF: 15.9/16

Left Out: -1072.863+/-505.534 χ^2/NDF:21.6/23

Right Out: -494.380+/-795.359 χ^2/NDF: 13.8/19

Left In: -557.052+/-509.208 χ^2/NDF:28.7/22

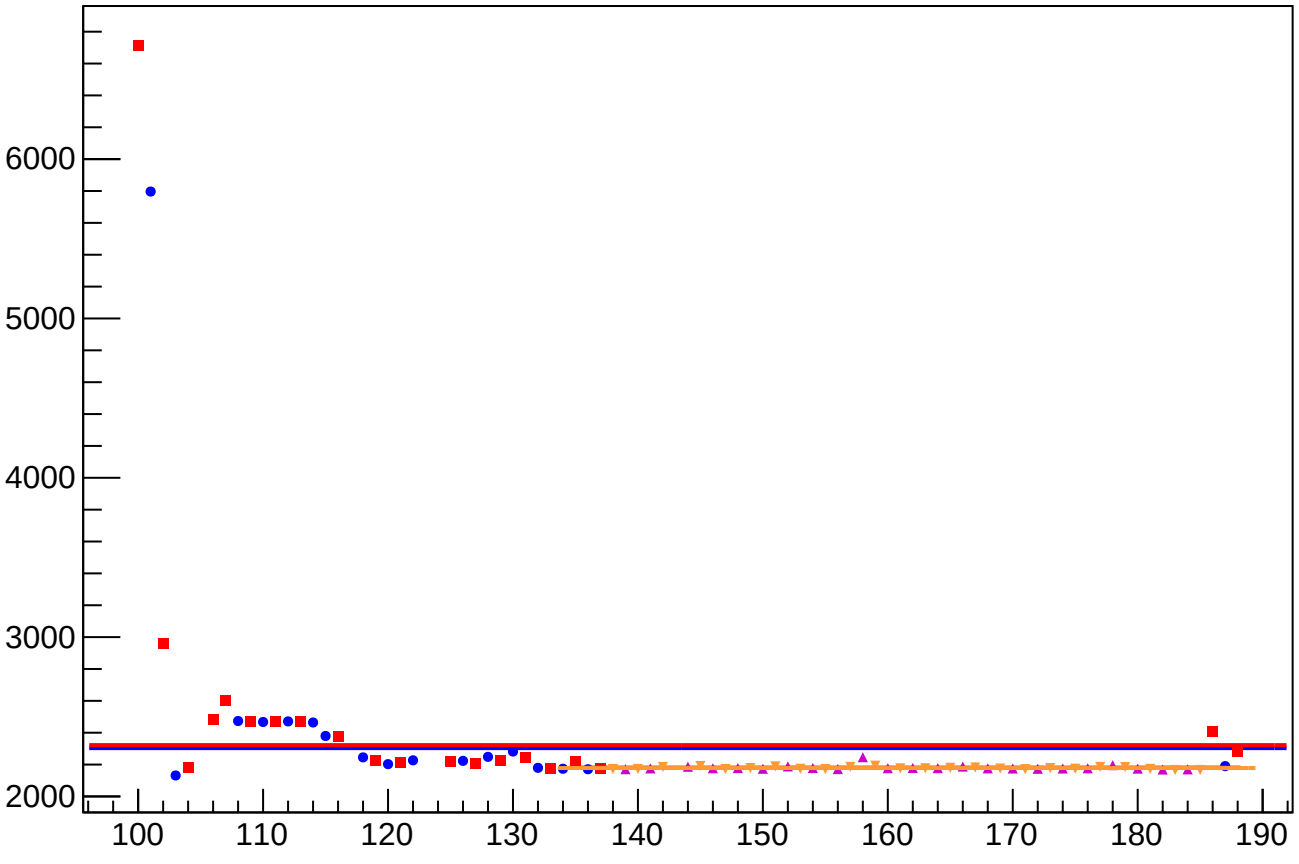
Left: -816.825+/-358.759 χ^2/NDF: 50.8/46

Right: -596.484+/-583.876 χ^2/NDF: 29.8/36

In: -598.275+/-438.143 χ^2/NDF:44.7/39

Out: -906.407+/-426.646 χ^2/NDF:35.7/43

All: -756.436+/-305.668 χ^2/NDF: 80.6/83



Right In: 2303.259+/-0.608 χ^2/NDF: 515183.3/16

Left Out: 2178.244+/-0.357 χ^2/NDF:389.1/23

Right Out: 2322.153+/-0.562 χ^2/NDF: 153327.0/19

Left In: 2180.919+/-0.360 χ^2/NDF:1866.2/22

Left: 2179.572+/-0.254 χ^2/NDF: 2283.2/46

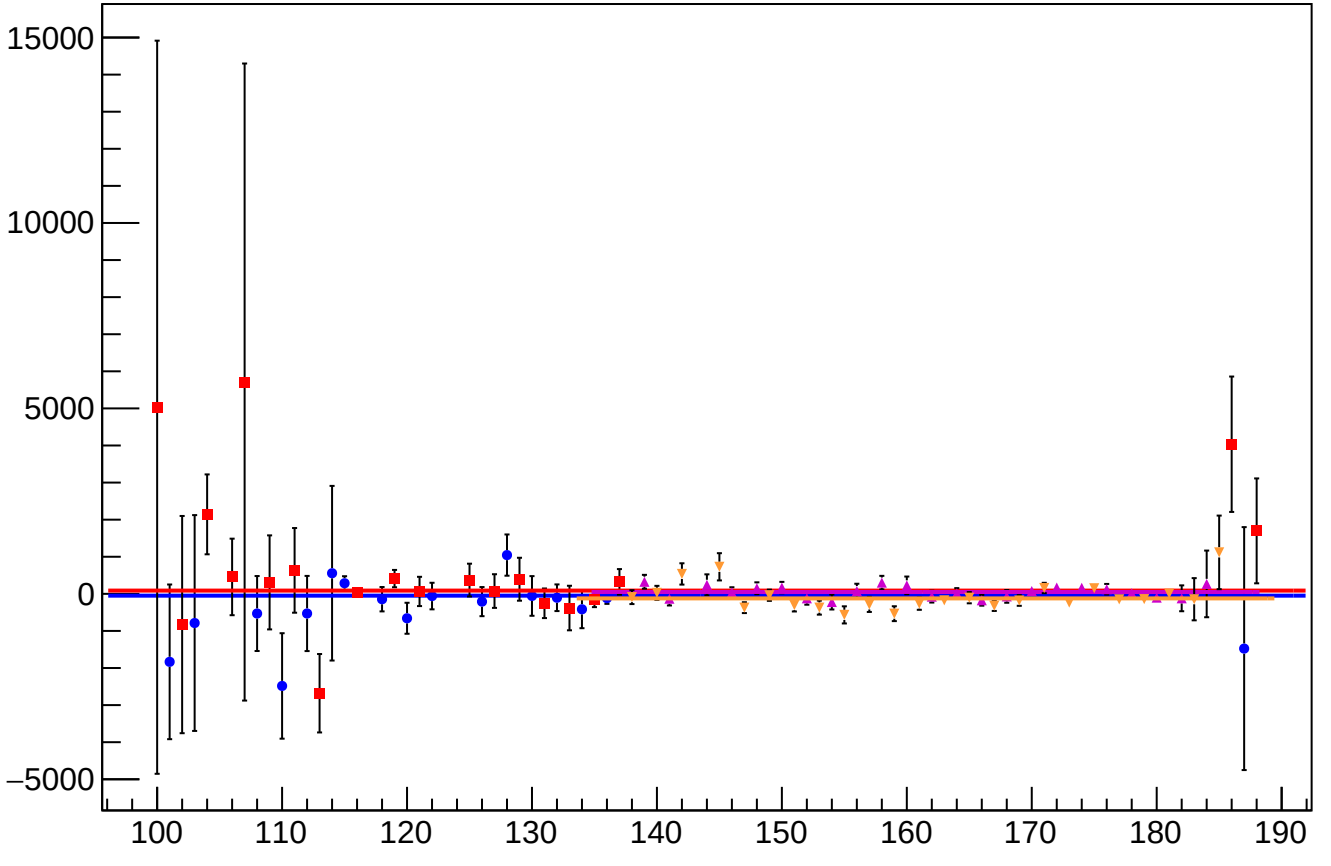
Right: 2313.441+/-0.413 χ^2/NDF: 669030.7/36

In: 2212.684+/-0.310 χ^2/NDF:547024.6/39

Out: 2219.654+/-0.302 χ^2/NDF:200351.4/43

All: 2216.261+/-0.216 χ^2/NDF: 747635.8/83

asym_us_dd_at1lr_dd_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -49.026+/-90.879 χ^2/NDF: 14.6/16

Left Out: -123.007+/-31.408 χ^2/NDF:43.8/23

Right Out: 87.703+/-82.161 χ^2/NDF: 23.6/19

Left In: 50.317+/-32.545 χ^2/NDF:18.2/22

Left: -39.426+/-22.600 χ^2/NDF: 76.7/46

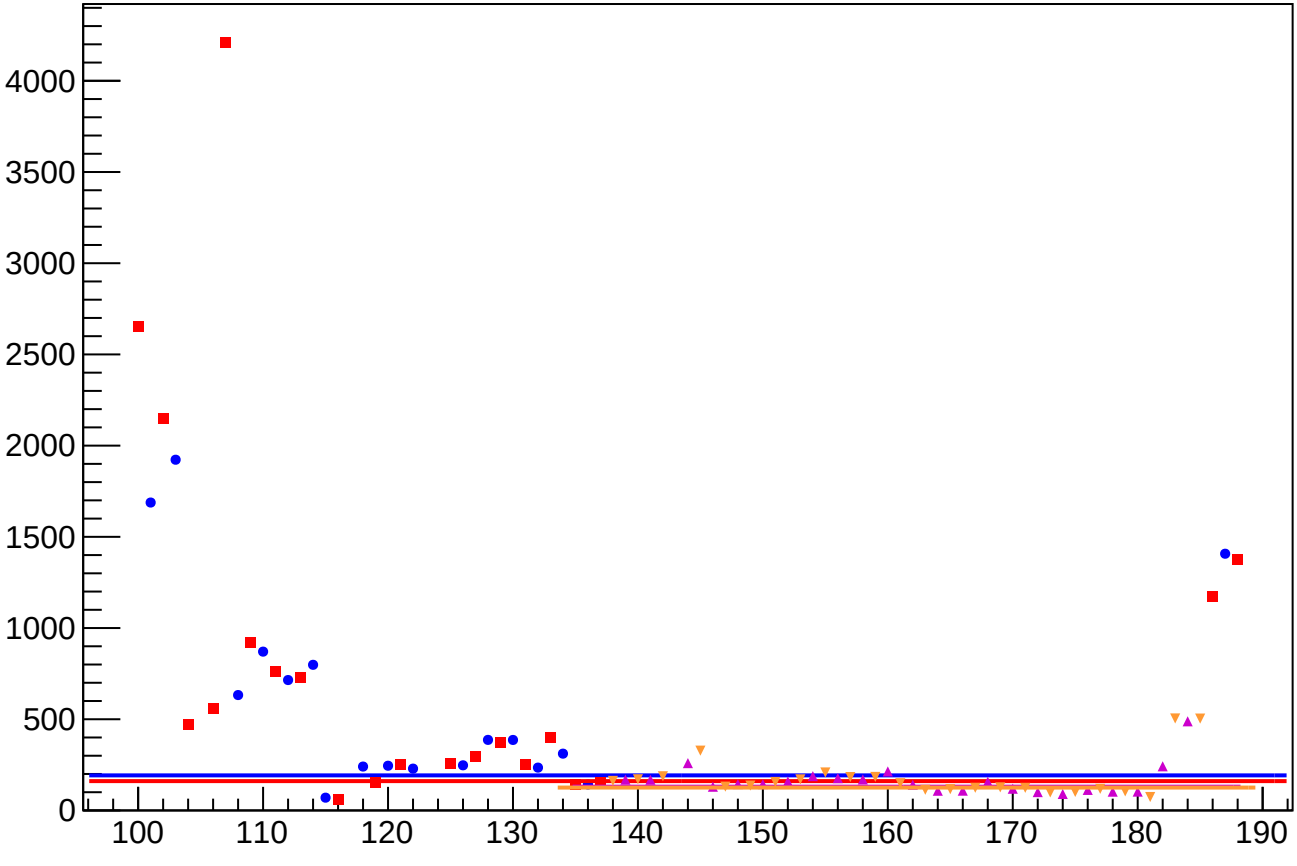
Right: 26.210+/-60.946 χ^2/NDF: 39.4/36

In: 39.025+/-30.639 χ^2/NDF:33.9/39

Out: -96.141+/-29.338 χ^2/NDF:73.2/43

All: -31.491+/-21.190 χ^2/NDF: 117.2/83

asym_us_dd_at1lr_dd_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 192.317+/-0.064 χ^2/NDF: 5340213.8/16

Left Out: 125.506+/-0.022 χ^2/NDF:3942746.1/23

Right Out: 160.860+/-0.058 χ^2/NDF: 8255840.3/19

Left In: 130.436+/-0.023 χ^2/NDF:2679692.6/22

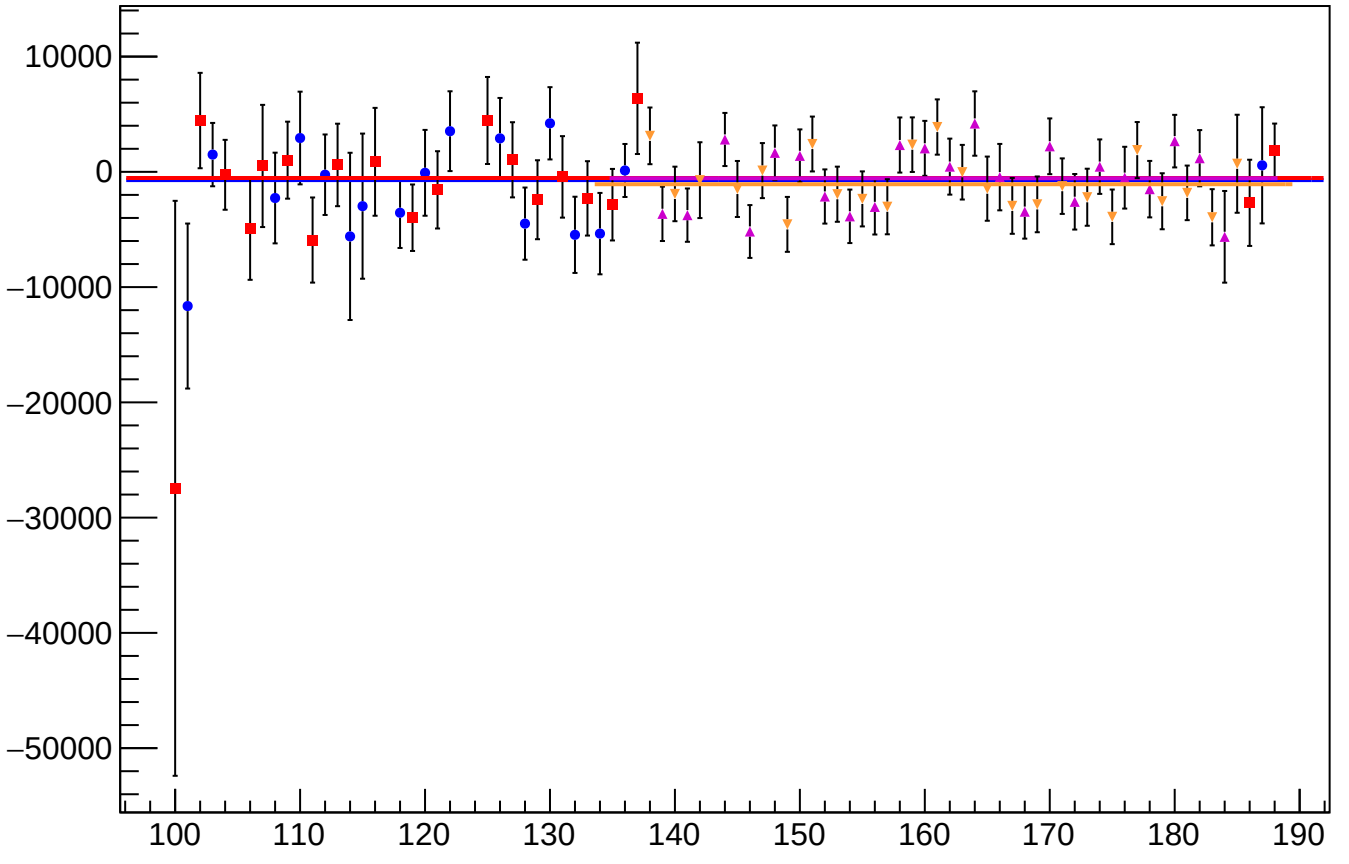
Left: 127.884+/-0.016 χ^2/NDF: 6646201.0/46

Right: 175.008+/-0.043 χ^2/NDF: 13727906.5/36

In: 137.470+/-0.022 χ^2/NDF:8841781.9/39

Out: 130.014+/-0.021 χ^2/NDF:12521688.8/43

All: 133.580+/-0.015 χ^2/NDF: 21425258.4/83



Right In: -714.901+/-859.857 χ^2/NDF: 15.9/16

Left Out: -1072.795+/-505.534 χ^2/NDF:21.6/23

Right Out: -533.477+/-795.911 χ^2/NDF: 14.3/19

Left In: -557.079+/-509.208 χ^2/NDF:28.7/22

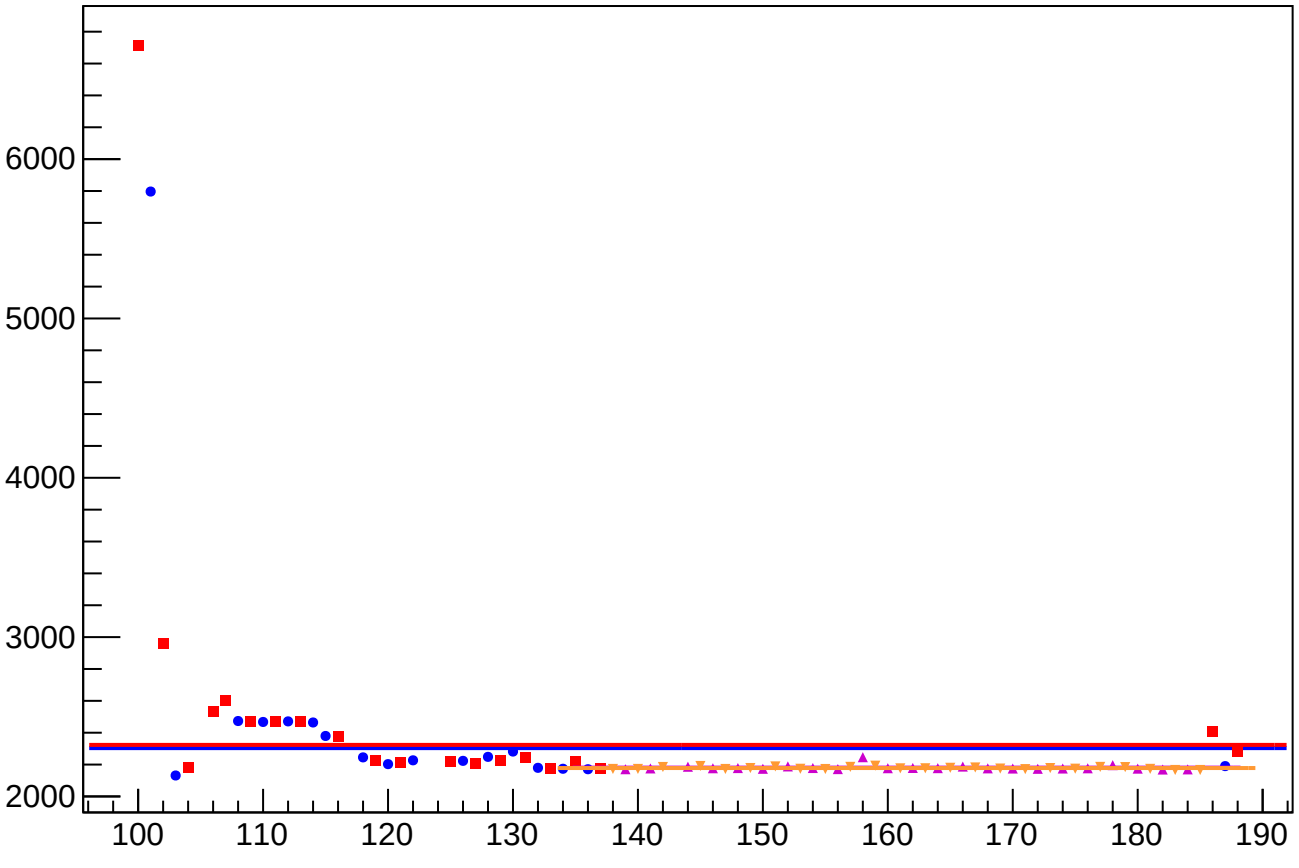
Left: -816.804+/-358.759 χ^2/NDF: 50.8/46

Right: -617.193+/-584.094 χ^2/NDF: 30.2/36

In: -598.057+/-438.143 χ^2/NDF:44.7/39

Out: -917.761+/-426.732 χ^2/NDF:36.2/43

All: -762.127+/-305.699 χ^2/NDF: 81.1/83



Right In: 2303.260+/-0.608 χ^2/NDF: 515183.7/16

Left Out: 2178.244+/-0.357 χ^2/NDF:389.1/23

Right Out: 2323.555+/-0.563 χ^2/NDF: 155127.2/19

Left In: 2180.919+/-0.360 χ^2/NDF:1866.2/22

Left: 2179.572+/-0.254 χ^2/NDF: 2283.1/46

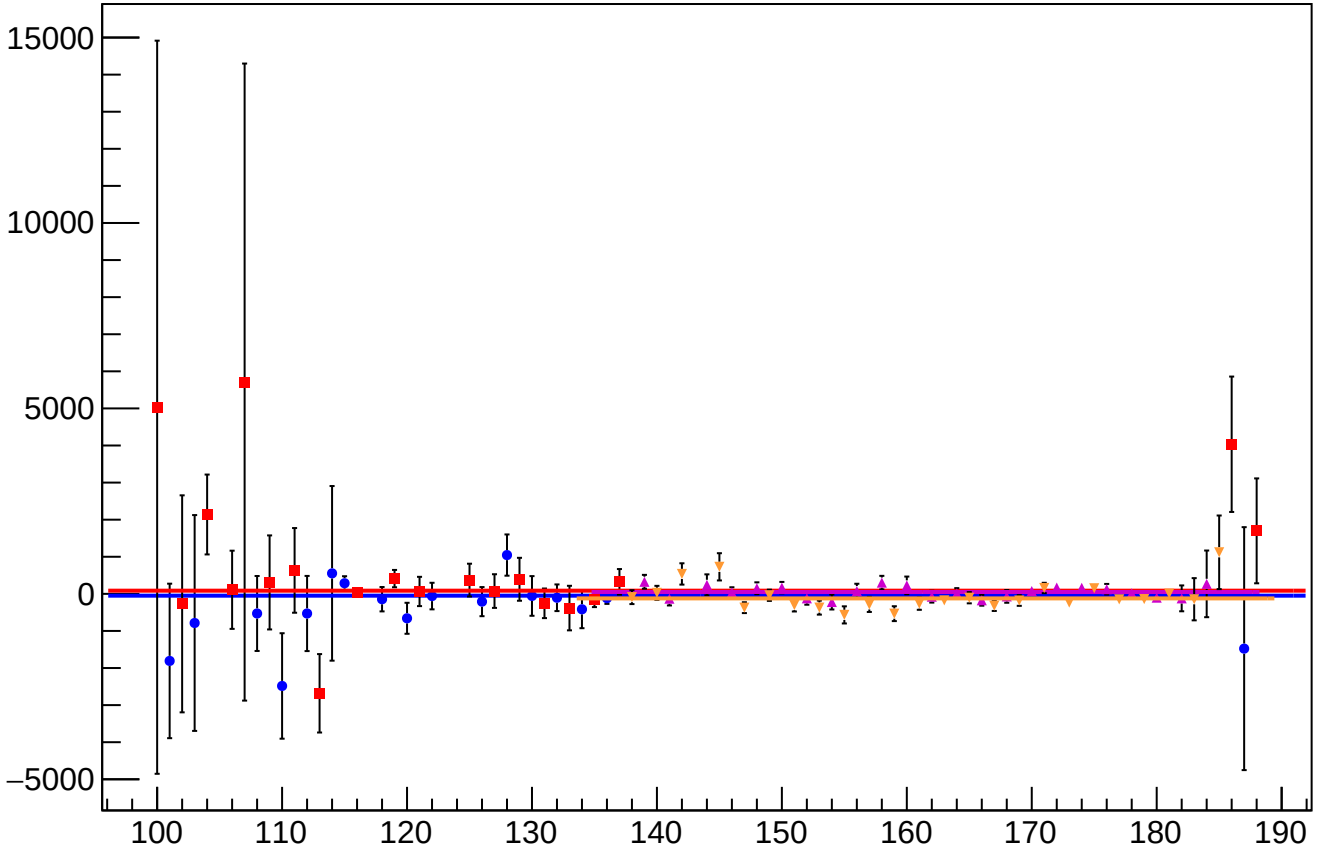
Right: 2314.190+/-0.413 χ^2/NDF: 670910.9/36

In: 2212.684+/-0.310 χ^2/NDF:547024.9/39

Out: 2220.016+/-0.302 χ^2/NDF:203017.8/43

All: 2216.447+/-0.216 χ^2/NDF: 750330.2/83

asym_us_dd_at1lr_dd_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -49.061+/-90.885 χ^2/NDF: 14.6/16

Left Out: -122.928+/-31.408 χ^2/NDF:43.8/23

Right Out: 85.694+/-82.100 χ^2/NDF: 23.4/19

Left In: 50.209+/-32.548 χ^2/NDF:18.3/22

Left: -39.445+/-22.601 χ^2/NDF: 76.7/46

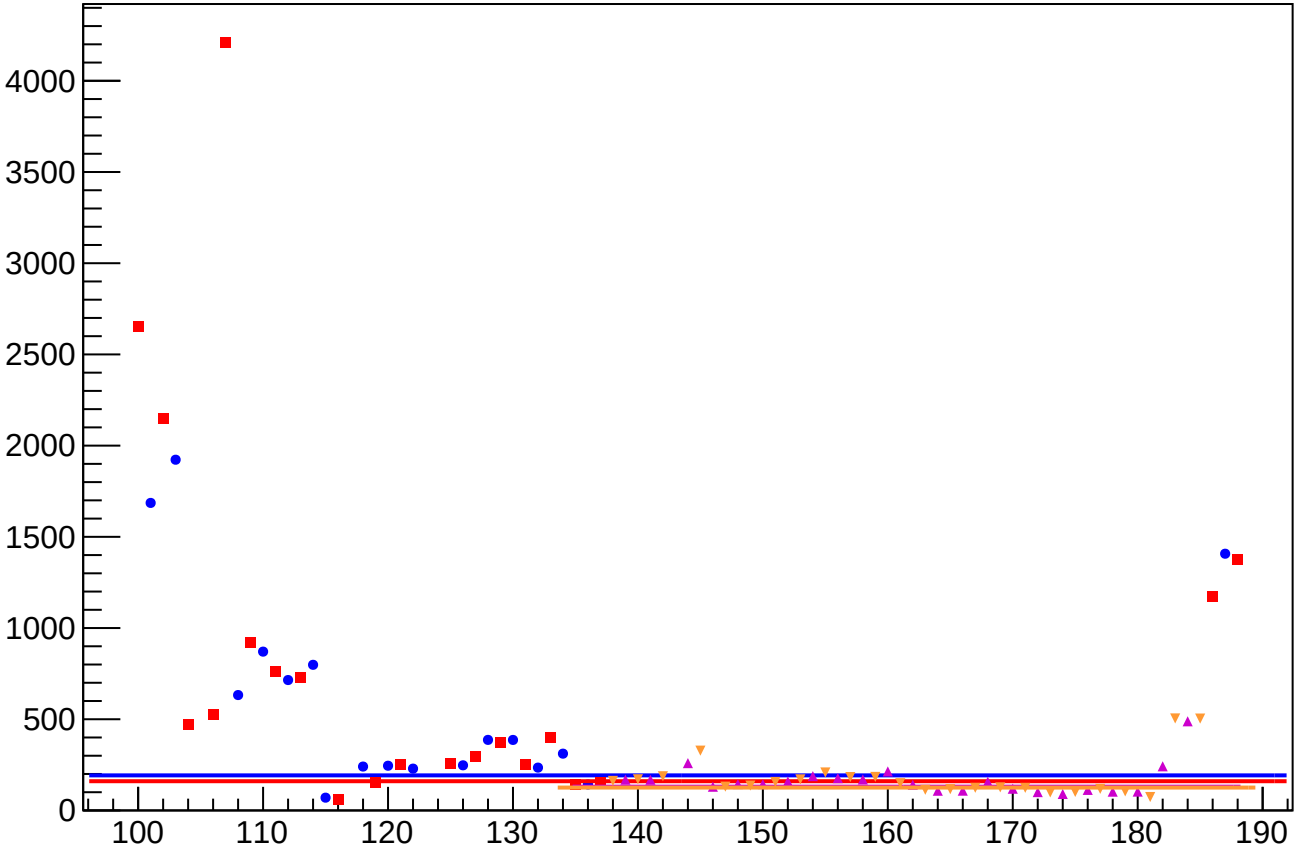
Right: 25.143+/-60.923 χ^2/NDF: 39.2/36

In: 38.925+/-30.642 χ^2/NDF:33.9/39

Out: -96.294+/-29.335 χ^2/NDF:72.8/43

All: -31.631+/-21.190 χ^2/NDF: 116.9/83

asym_us_dd_at1lr_dd_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 192.341+/-0.064 χ^2/NDF: 5339063.7/16

Left Out: 125.503+/-0.022 χ^2/NDF:3943570.9/23

Right Out: 160.298+/-0.058 χ^2/NDF: 8212251.1/19

Left In: 130.451+/-0.023 χ^2/NDF:2679365.4/22

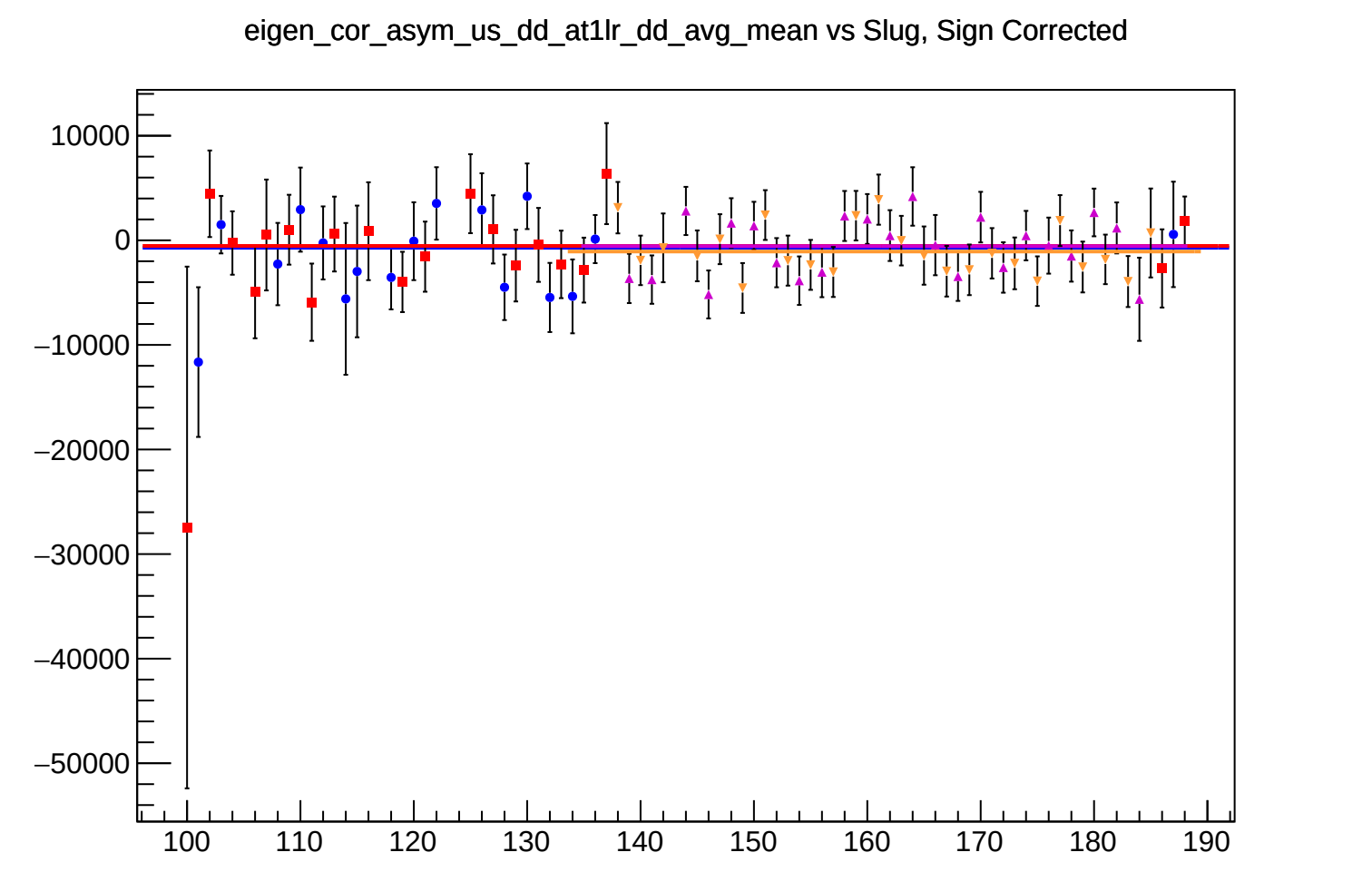
Left: 127.889+/-0.016 χ^2/NDF: 6646874.7/46

Right: 174.697+/-0.043 χ^2/NDF: 13688209.3/36

In: 137.486+/-0.022 χ^2/NDF:8840455.4/39

Out: 129.945+/-0.021 χ^2/NDF:12469214.0/43

All: 133.551+/-0.015 χ^2/NDF: 21372880.4/83



Right In: -714.901+/-859.857 χ^2/NDF: 15.9/16

Left Out: -1072.795+/-505.534 χ^2/NDF:21.6/23

Right Out: -533.477+/-795.911 χ^2/NDF: 14.3/19

Left In: -557.079+/-509.208 χ^2/NDF:28.7/22

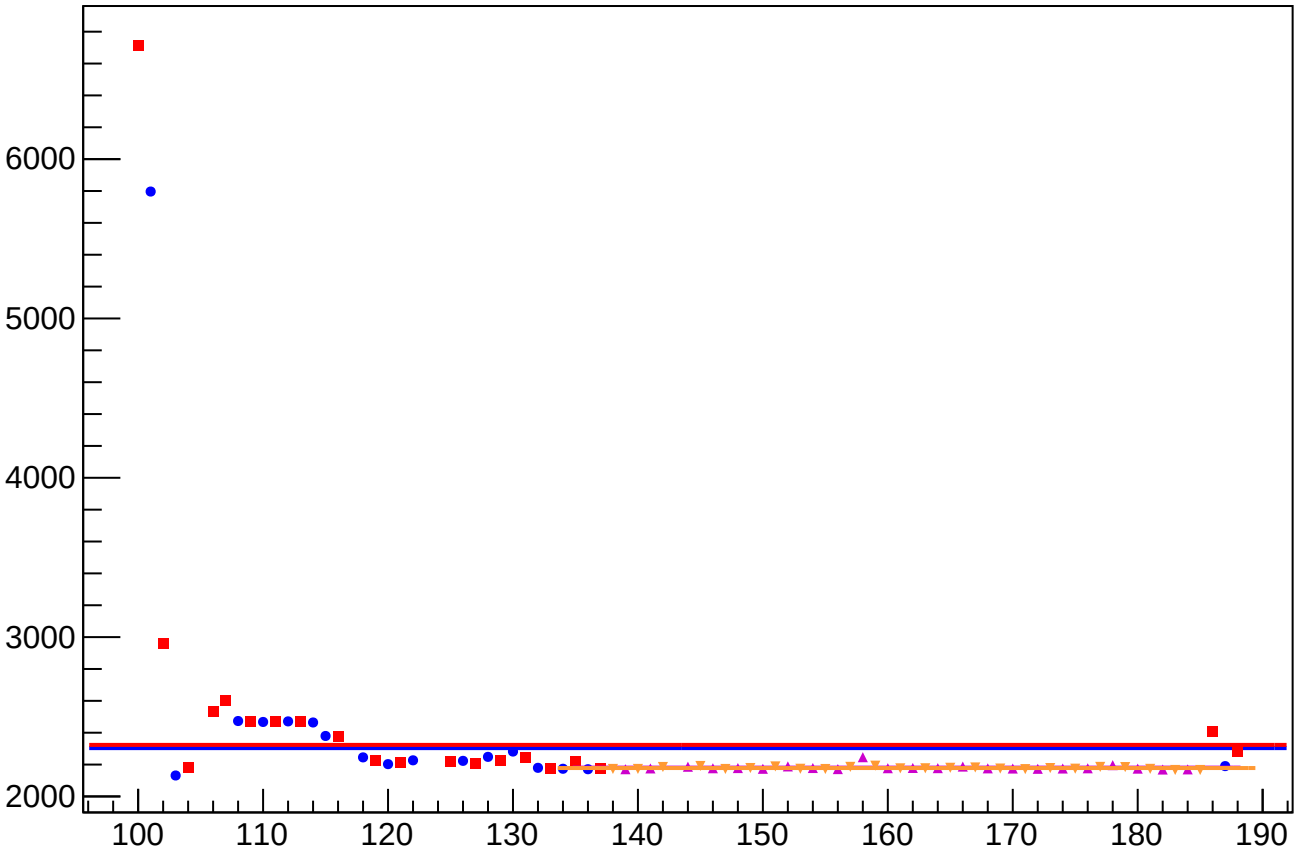
Left: -816.804+/-358.759 χ^2/NDF: 50.8/46

Right: -617.193+/-584.094 χ^2/NDF: 30.2/36

In: -598.057+/-438.143 χ^2/NDF:44.7/39

Out: -917.761+/-426.732 χ^2/NDF:36.2/43

All: -762.127+/-305.699 χ^2/NDF: 81.1/83



Right In: 2303.260+/-0.608 χ^2/NDF: 515183.7/16

Left Out: 2178.244+/-0.357 χ^2/NDF:389.1/23

Right Out: 2323.555+/-0.563 χ^2/NDF: 155127.2/19

Left In: 2180.919+/-0.360 χ^2/NDF:1866.2/22

Left: 2179.572+/-0.254 χ^2/NDF: 2283.1/46

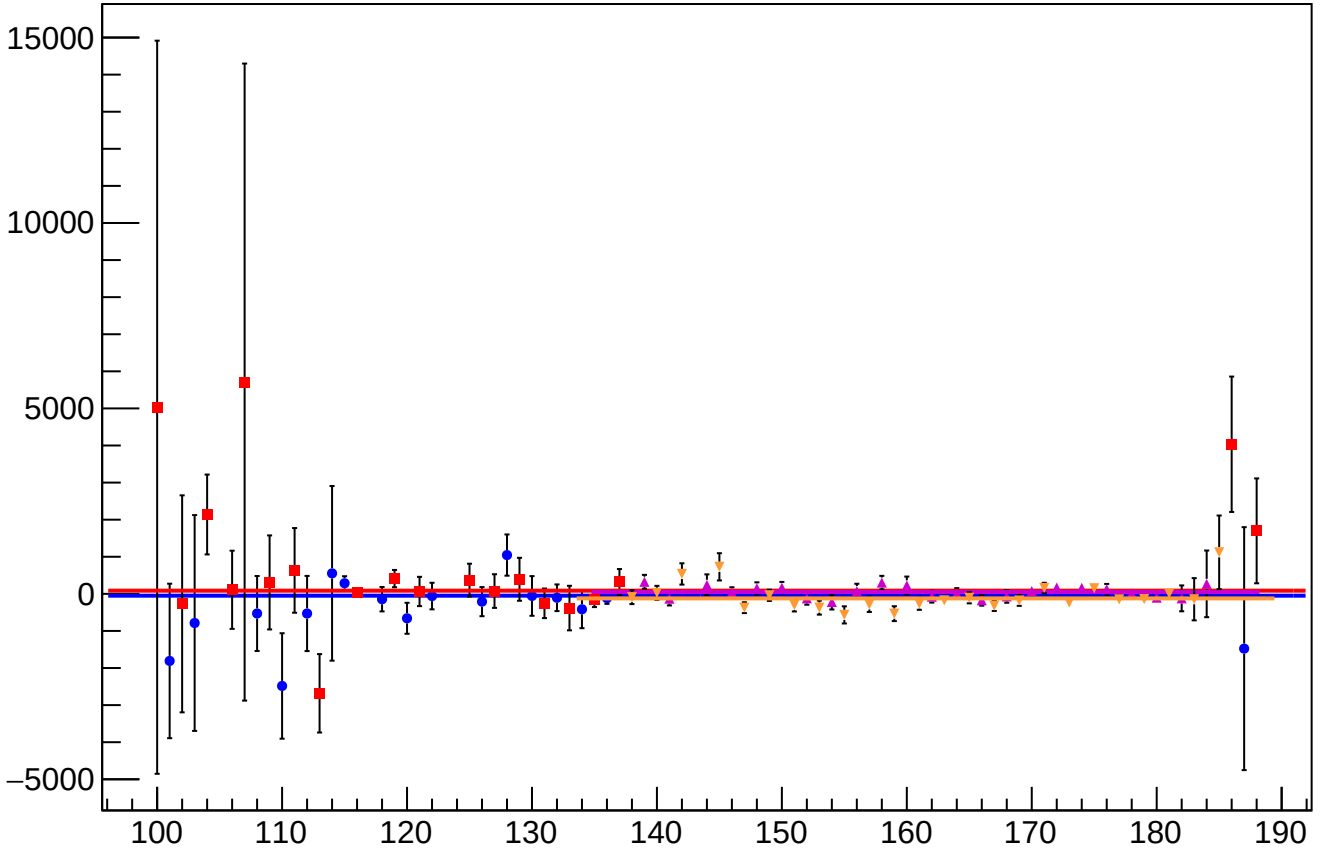
Right: 2314.190+/-0.413 χ^2/NDF: 670910.9/36

In: 2212.684+/-0.310 χ^2/NDF:547024.9/39

Out: 2220.016+/-0.302 χ^2/NDF:203017.8/43

All: 2216.447+/-0.216 χ^2/NDF: 750330.2/83

asym_us_dd_at1lr_dd_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -49.061+/-90.885 χ^2/NDF: 14.6/16

Left Out: -122.928+/-31.408 χ^2/NDF:43.8/23

Right Out: 85.694+/-82.100 χ^2/NDF: 23.4/19

Left In: 50.209+/-32.548 χ^2/NDF:18.3/22

Left: -39.445+/-22.601 χ^2/NDF: 76.7/46

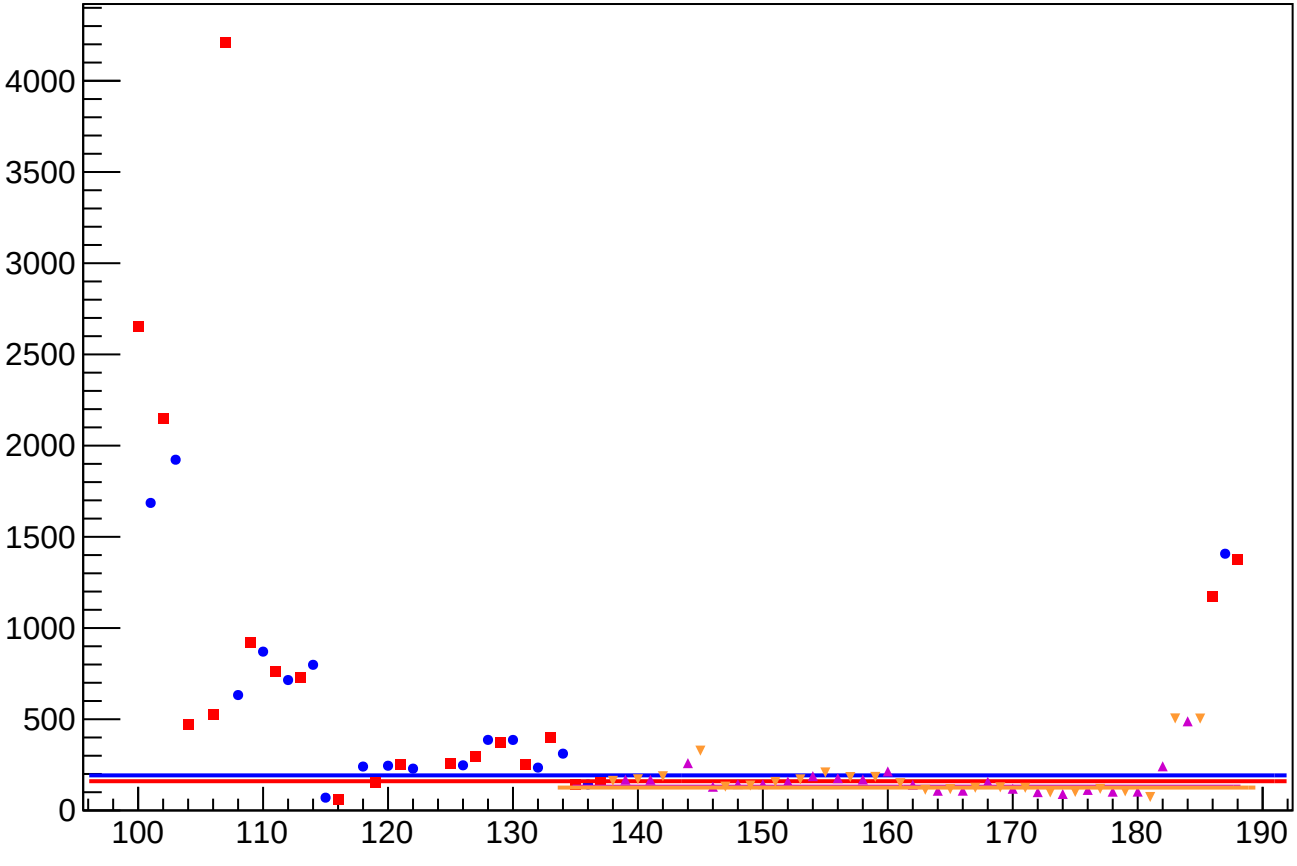
Right: 25.143+/-60.923 χ^2/NDF: 39.2/36

In: 38.925+/-30.642 χ^2/NDF:33.9/39

Out: -96.294+/-29.335 χ^2/NDF:72.8/43

All: -31.631+/-21.190 χ^2/NDF: 116.9/83

asym_us_dd_at1lr_dd_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 192.341+/-0.064 χ^2/NDF: 5339063.7/16

Left Out: 125.503+/-0.022 χ^2/NDF:3943570.9/23

Right Out: 160.298+/-0.058 χ^2/NDF: 8212251.1/19

Left In: 130.451+/-0.023 χ^2/NDF:2679365.4/22

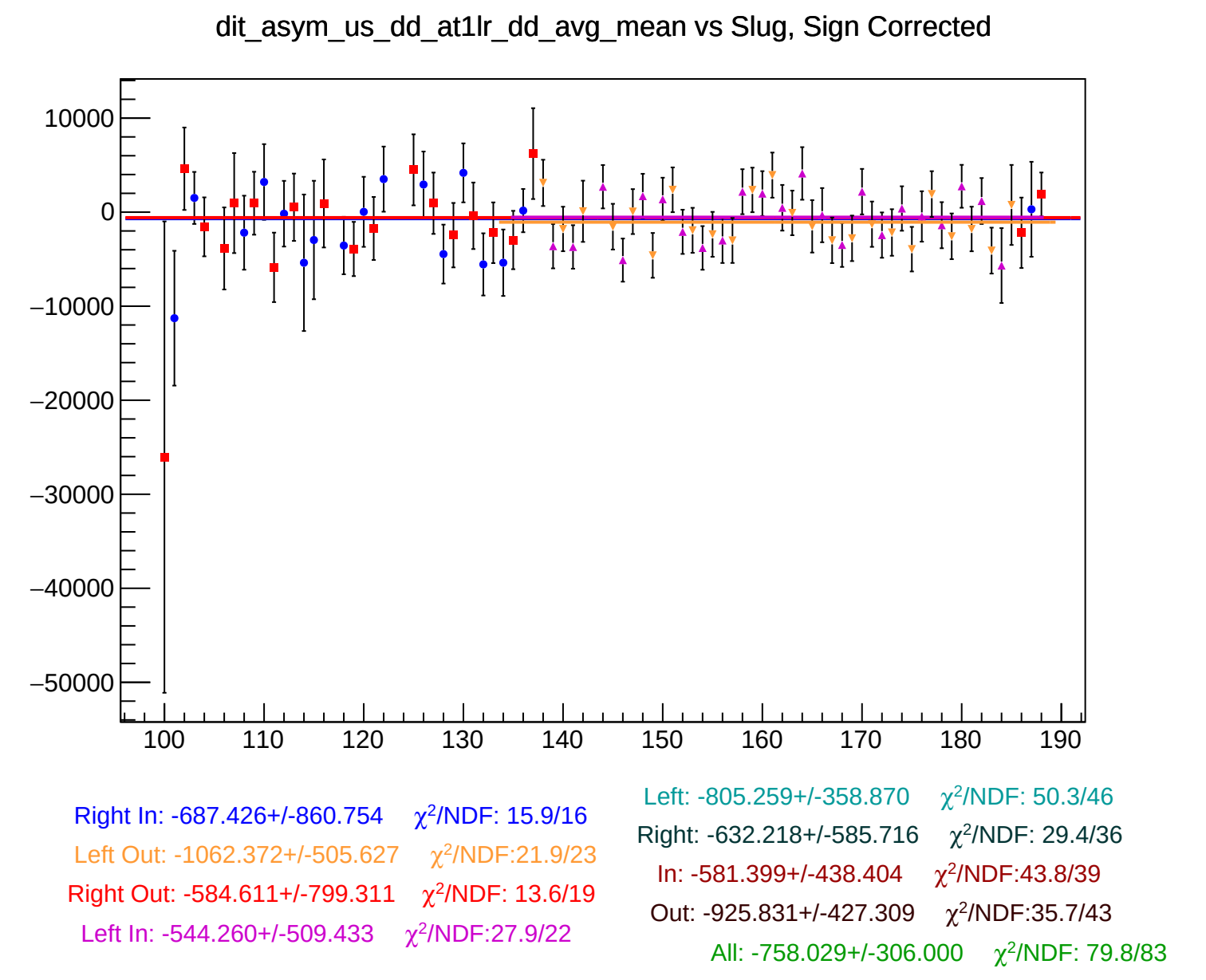
Left: 127.889+/-0.016 χ^2/NDF: 6646874.7/46

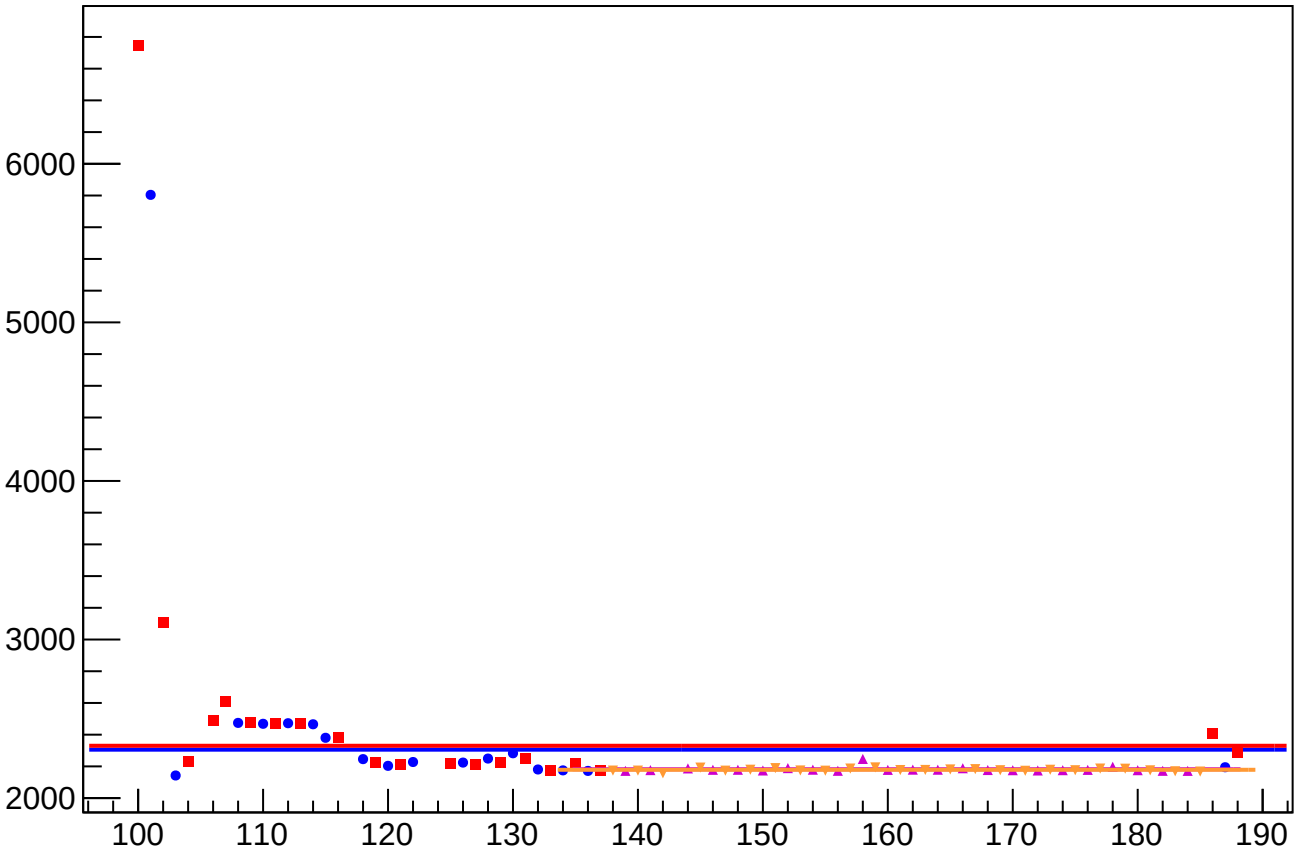
Right: 174.697+/-0.043 χ^2/NDF: 13688209.3/36

In: 137.486+/-0.022 χ^2/NDF:8840455.4/39

Out: 129.945+/-0.021 χ^2/NDF:12469214.0/43

All: 133.551+/-0.015 χ^2/NDF: 21372880.4/83


dit_asym_us_dd_at1lr_dd_avg_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
−50000
100
110
120
130
140
150
160
170
180
190
Right In: -687.426+/-860.754 χ²/NDF: 15.9/16
Left Out: -1062.372+/-505.627 χ²/NDF:21.9/23
Right Out: -584.611+/-799.311 χ²/NDF: 13.6/19
Left In: -544.260+/-509.433 χ²/NDF:27.9/22
Left: -805.259+/-358.870 χ²/NDF: 50.3/46
Right: -632.218+/-585.716 χ²/NDF: 29.4/36
In: -581.399+/-438.404 χ²/NDF:43.8/39
Out: -925.831+/-427.309 χ²/NDF:35.7/43
All: -758.029+/-306.000 χ²/NDF: 79.8/83



Right In: 2305.424+/-0.609 χ^2/NDF: 514733.8/16

Left Out: 2178.503+/-0.358 χ^2/NDF:456.1/23

Right Out: 2330.029+/-0.565 χ^2/NDF: 168922.7/19

Left In: 2181.882+/-0.360 χ^2/NDF:1838.2/22

Left: 2180.180+/-0.254 χ^2/NDF: 2338.6/46

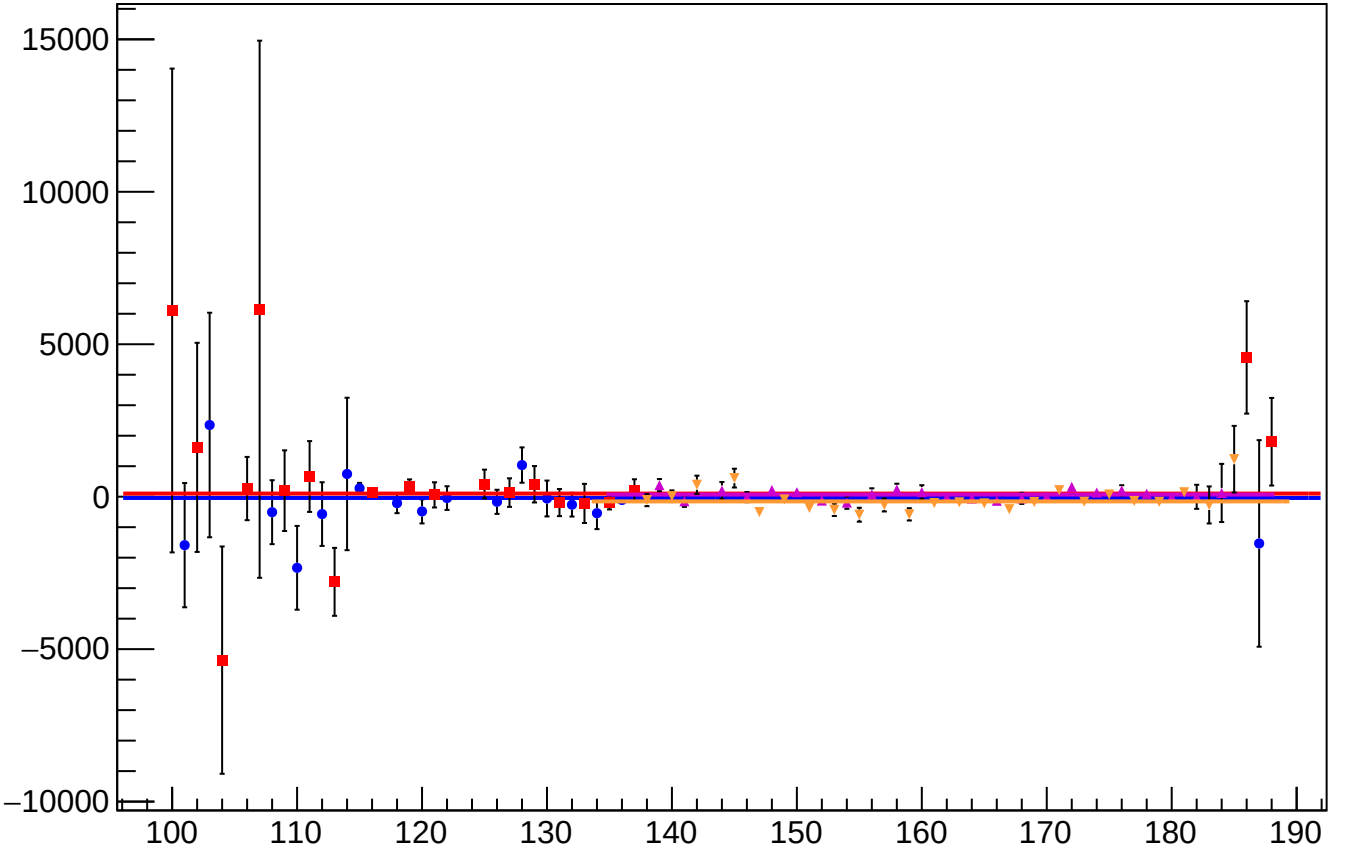
Right: 2318.636+/-0.414 χ^2/NDF: 684534.1/36

In: 2213.931+/-0.310 χ^2/NDF:547084.1/39

Out: 2221.809+/-0.302 χ^2/NDF:220712.1/43

All: 2217.971+/-0.216 χ^2/NDF: 768127.4/83

asym_us_dd_at1lr_dd_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -41.229+/-92.375 χ^2/NDF: 14.2/16

Left Out: -154.725+/-34.061 χ^2/NDF:47.3/23

Right Out: 102.222+/-85.841 χ^2/NDF: 22.3/19

Left In: 70.142+/-34.204 χ^2/NDF:18.9/22

Left: -42.765+/-24.135 χ^2/NDF: 87.9/46

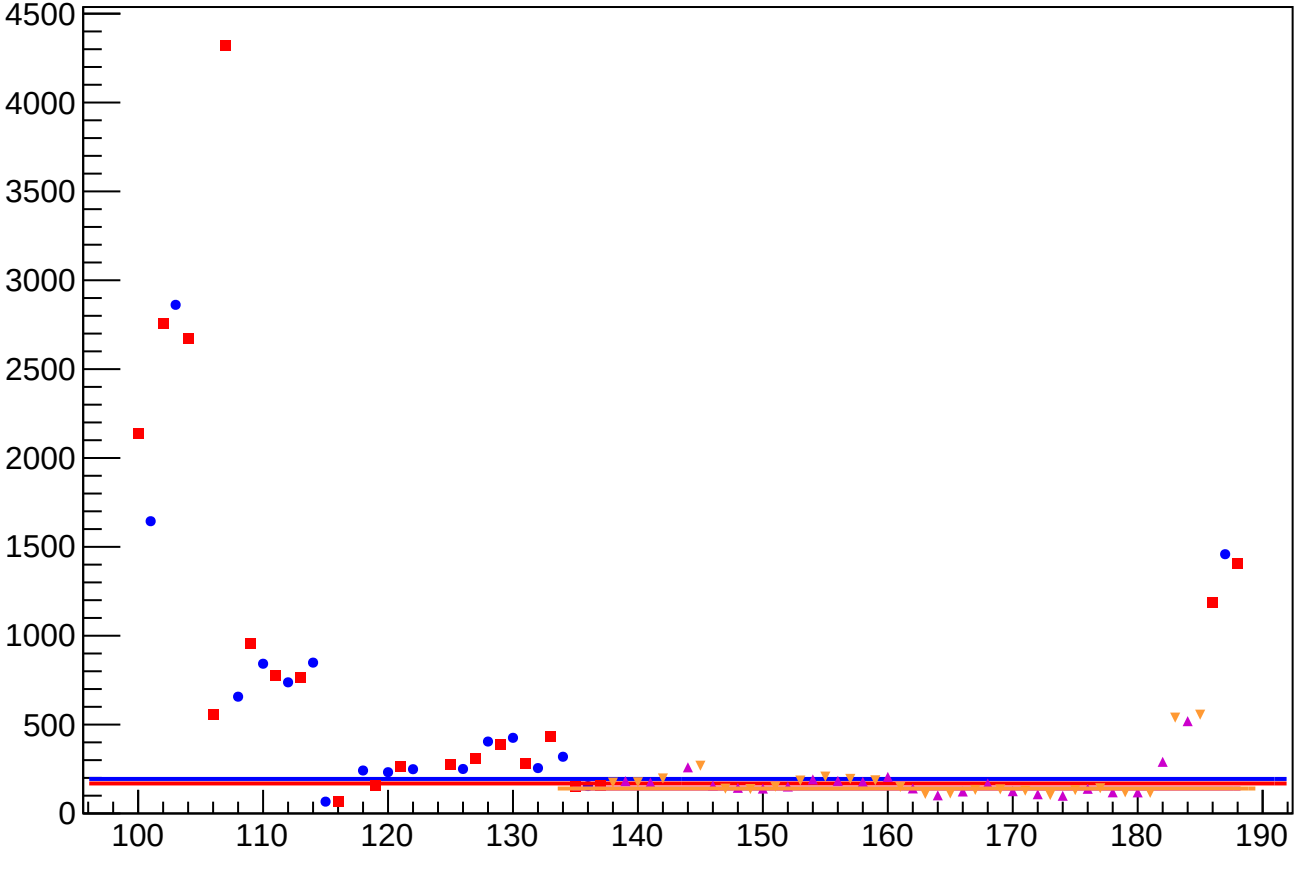
Right: 35.749+/-62.882 χ^2/NDF: 37.8/36

In: 56.713+/-32.076 χ^2/NDF:34.5/39

Out: -119.774+/-31.659 χ^2/NDF:77.3/43

All: -32.684+/-22.532 χ^2/NDF: 127.1/83

asym_us_dd_at1lr_dd_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 194.196+/-0.065 χ^2/NDF: 5896689.5/16

Left Out: 140.319+/-0.024 χ^2/NDF:2760284.0/23

Right Out: 168.764+/-0.061 χ^2/NDF: 9168421.1/19

Left In: 139.979+/-0.024 χ^2/NDF:2412455.4/22

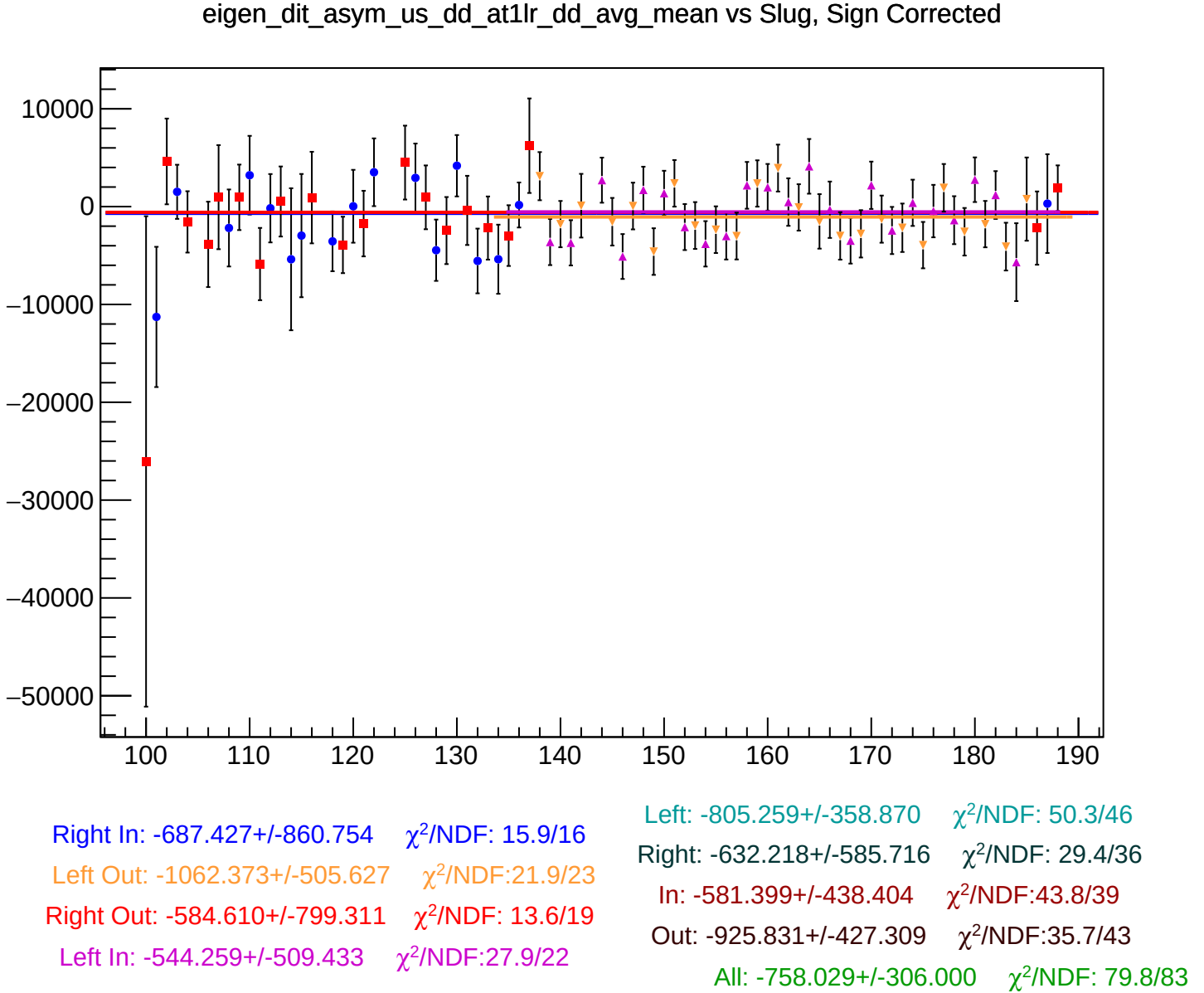
Left: 140.149+/-0.017 χ^2/NDF: 5172838.7/46

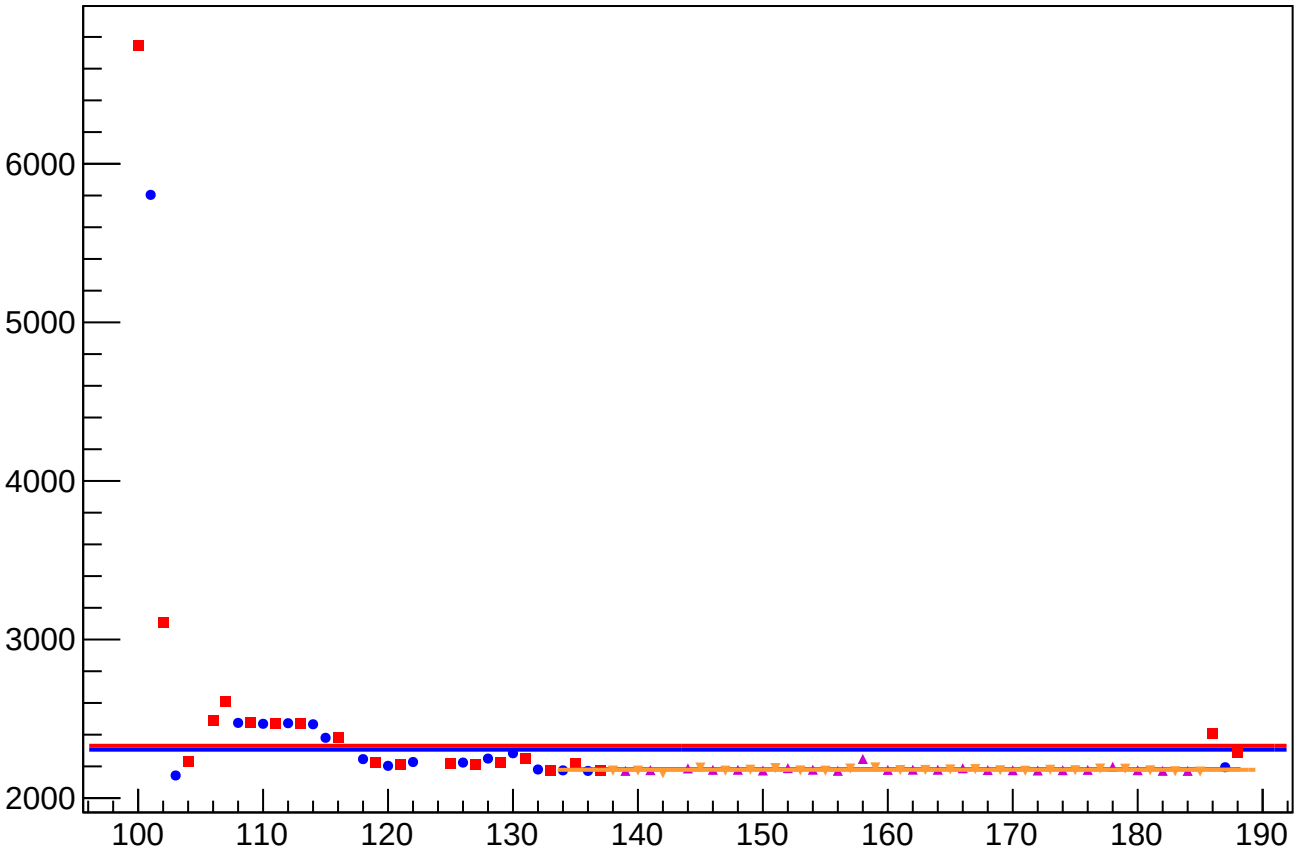
Right: 180.549+/-0.044 χ^2/NDF: 15146456.8/36

In: 146.516+/-0.023 χ^2/NDF:8915047.1/39

Out: 144.188+/-0.022 χ^2/NDF:12118454.4/43

All: 145.337+/-0.016 χ^2/NDF: 21038837.0/83


eigen_dit_asym_us_dd_at1lr_dd_avg_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
−50000
100
110
120
130
140
150
160
170
180
190
Right In: -687.427+/-860.754 χ²/NDF: 15.9/16
Left Out: -1062.373+/-505.627 χ²/NDF:21.9/23
Right Out: -584.610+/-799.311 χ²/NDF: 13.6/19
Left In: -544.259+/-509.433 χ²/NDF:27.9/22
Left: -805.259+/-358.870 χ²/NDF: 50.3/46
Right: -632.218+/-585.716 χ²/NDF: 29.4/36
In: -581.399+/-438.404 χ²/NDF:43.8/39
Out: -925.831+/-427.309 χ²/NDF:35.7/43
All: -758.029+/-306.000 χ²/NDF: 79.8/83



Right In: 2305.424+/-0.609 χ^2/NDF: 514733.8/16

Left Out: 2178.503+/-0.358 χ^2/NDF:456.1/23

Right Out: 2330.029+/-0.565 χ^2/NDF: 168922.6/19

Left In: 2181.882+/-0.360 χ^2/NDF:1838.2/22

Left: 2180.180+/-0.254 χ^2/NDF: 2338.6/46

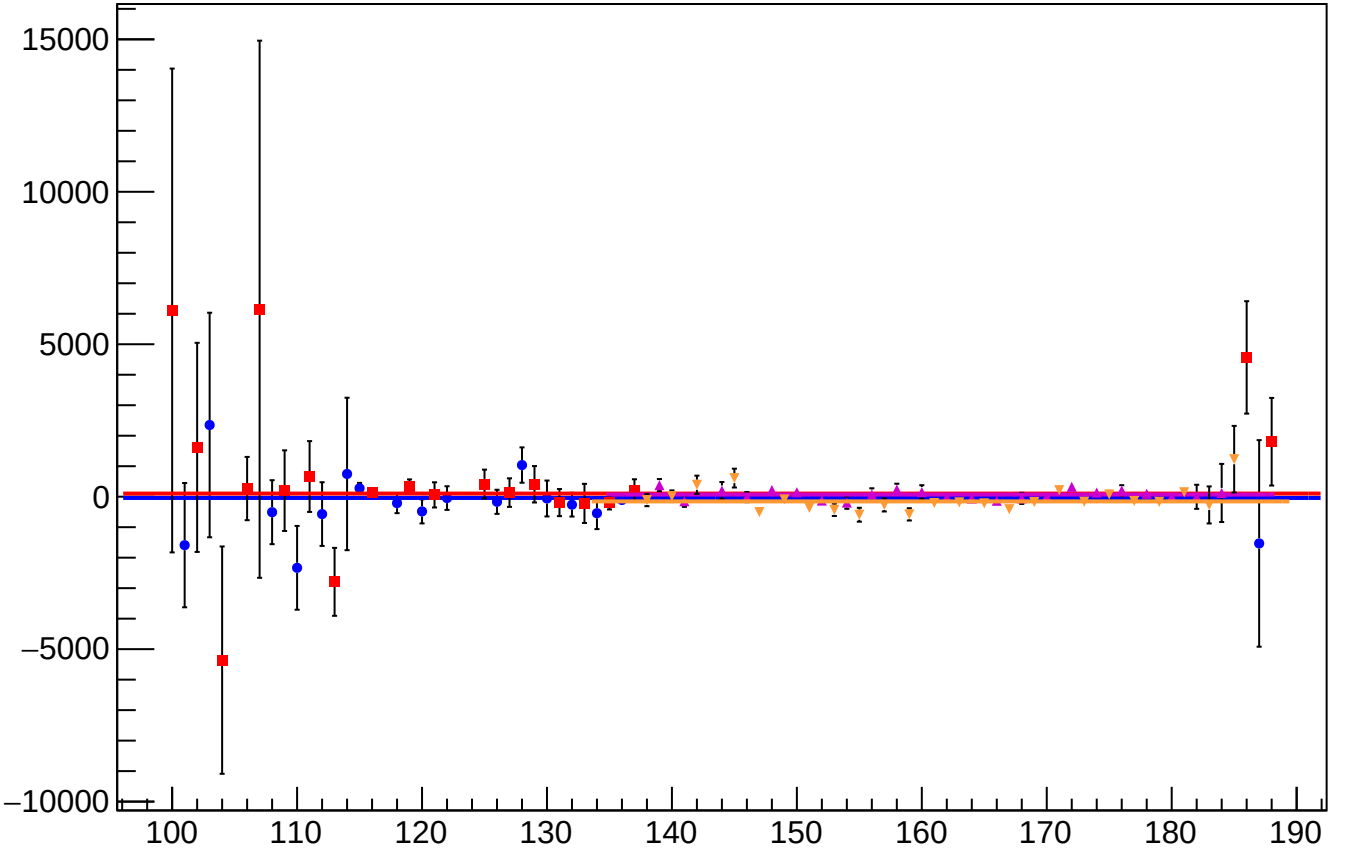
Right: 2318.636+/-0.414 χ^2/NDF: 684534.0/36

In: 2213.931+/-0.310 χ^2/NDF:547084.1/39

Out: 2221.809+/-0.302 χ^2/NDF:220712.0/43

All: 2217.971+/-0.216 χ^2/NDF: 768127.3/83

asym_us_dd_at1lr_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -41.226+/-92.374 χ^2/NDF: 14.2/16

Left Out: -154.726+/-34.061 χ^2/NDF:47.3/23

Right Out: 102.223+/-85.840 χ^2/NDF: 22.3/19

Left In: 70.141+/-34.204 χ^2/NDF:18.9/22

Left: -42.766+/-24.135 χ^2/NDF: 87.9/46

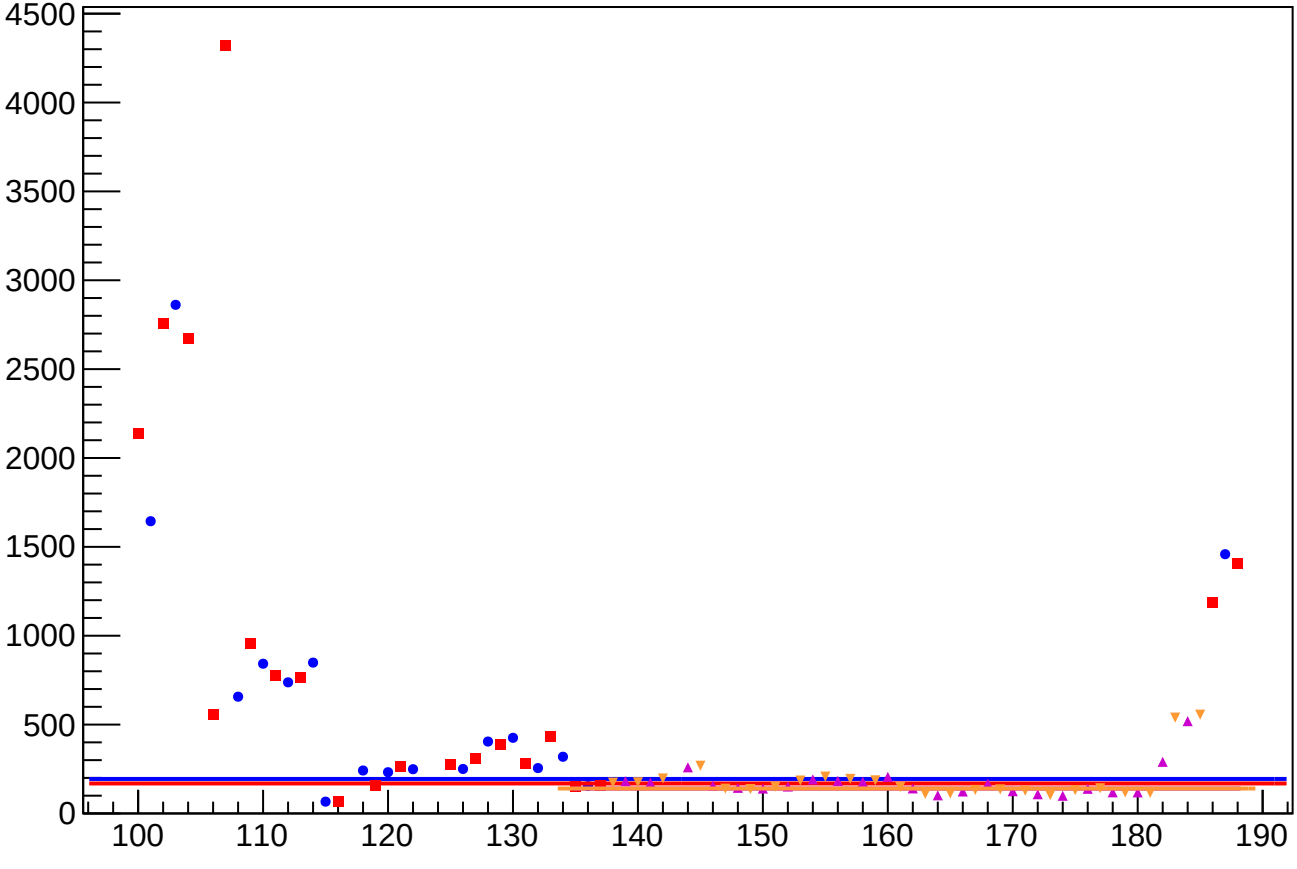
Right: 35.751+/-62.881 χ^2/NDF: 37.8/36

In: 56.712+/-32.076 χ^2/NDF:34.5/39

Out: -119.774+/-31.659 χ^2/NDF:77.3/43

All: -32.684+/-22.532 χ^2/NDF: 127.1/83

asym_us_dd_at1lr_dd_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 194.194+/-0.065 χ^2/NDF: 5896727.6/16

Left Out: 140.319+/-0.024 χ^2/NDF:2760280.2/23

Right Out: 168.762+/-0.061 χ^2/NDF: 9168488.1/19

Left In: 139.979+/-0.024 χ^2/NDF:2412509.5/22

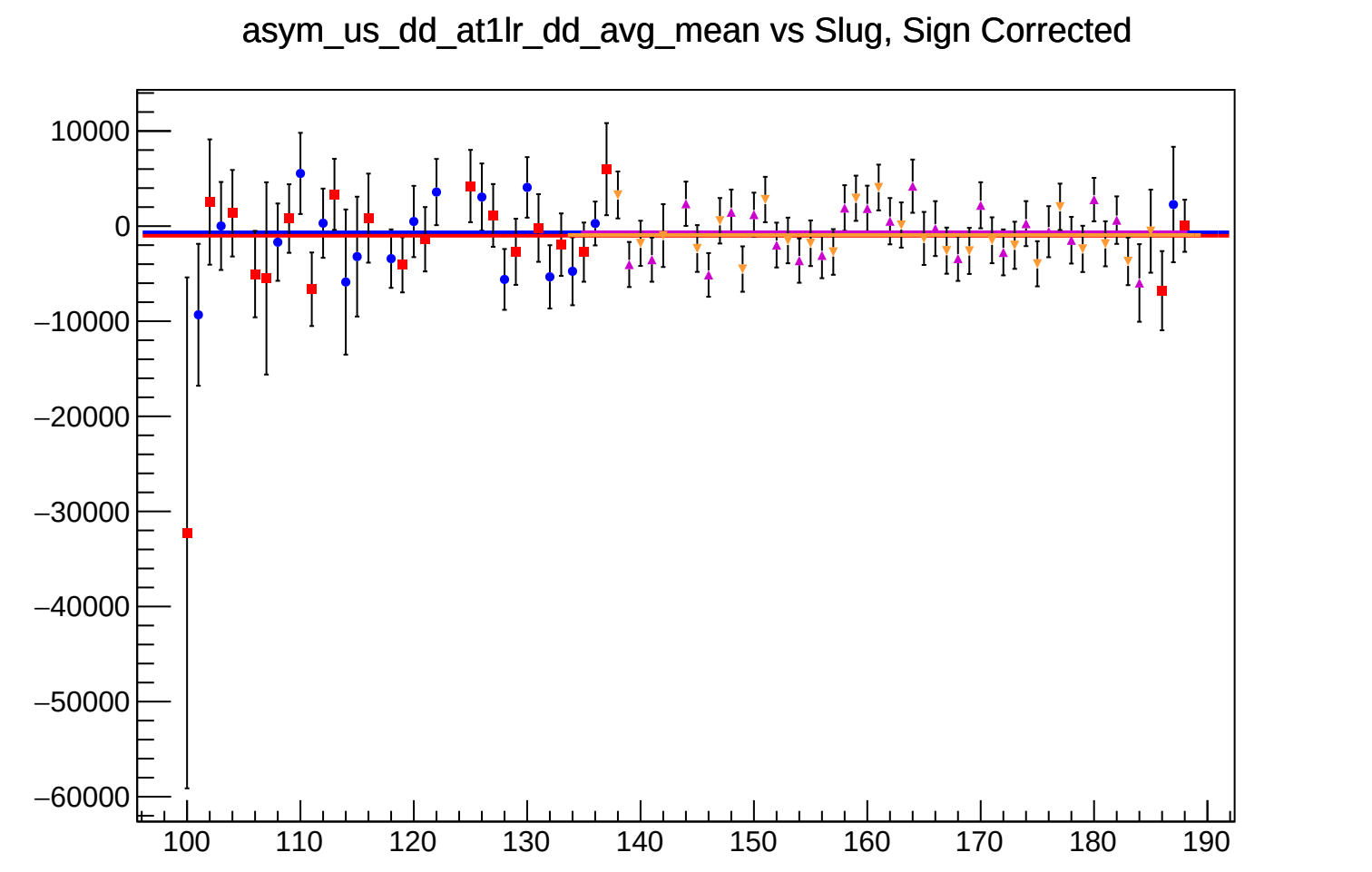
Left: 140.150+/-0.017 χ^2/NDF: 5172889.1/46

Right: 180.547+/-0.044 χ^2/NDF: 15146563.9/36

In: 146.516+/-0.023 χ^2/NDF:8915093.9/39

Out: 144.188+/-0.022 χ^2/NDF:12118484.1/43

All: 145.337+/-0.016 χ^2/NDF: 21038913.2/83



Right In: -652.988+/-905.969 χ^2/NDF: 16.0/16

Left Out: -932.002+/-507.717 χ^2/NDF:22.4/23

Right Out: -1011.558+/-860.521 χ^2/NDF: 15.0/19

Left In: -642.773+/-511.372 χ^2/NDF:27.0/22

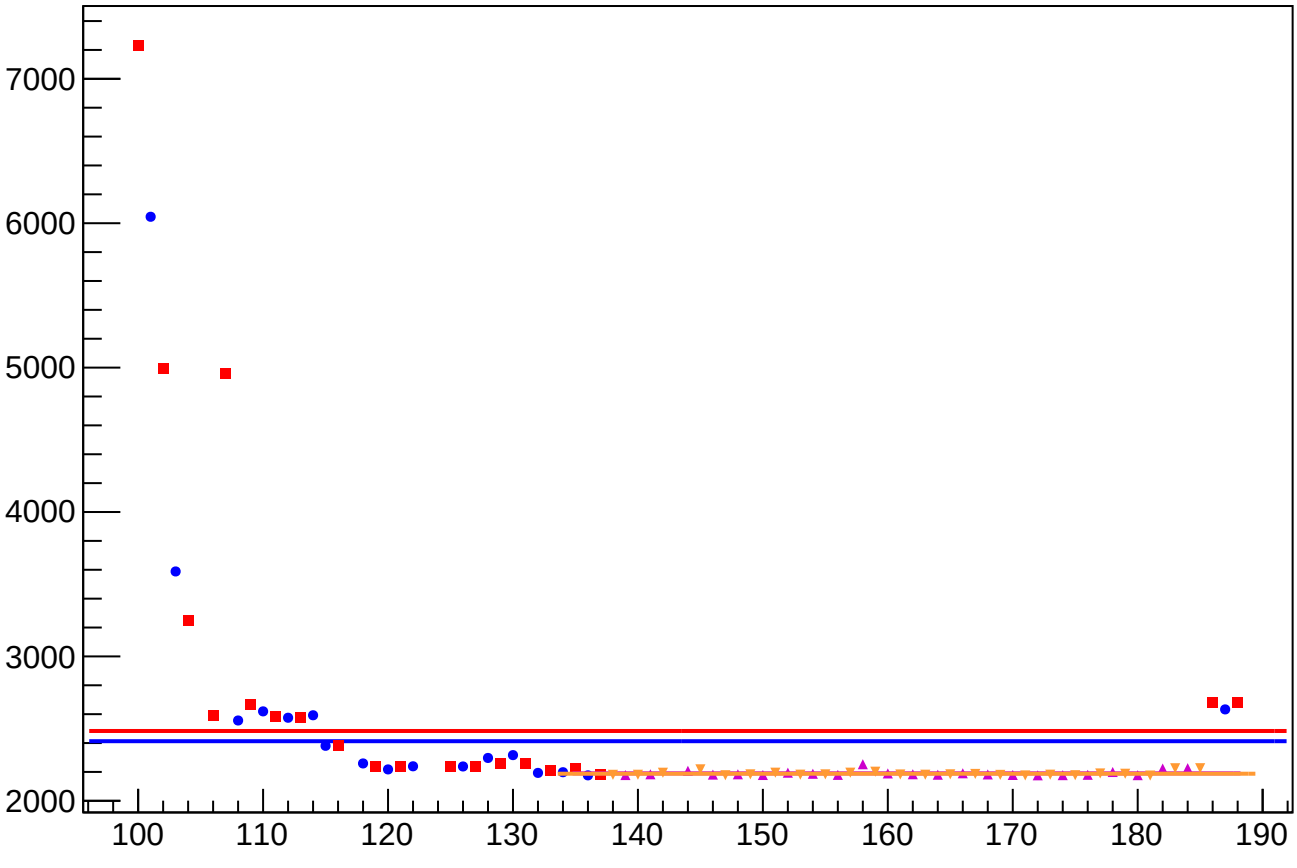
Left: -788.425+/-360.295 χ^2/NDF: 49.6/46

Right: -841.492+/-623.929 χ^2/NDF: 31.2/36

In: -645.241+/-445.328 χ^2/NDF:43.0/39

Out: -952.545+/-437.279 χ^2/NDF:37.5/43

All: -801.695+/-312.010 χ^2/NDF: 80.7/83



Right In: 2412.811+/-0.641 χ^2/NDF: 679583.3/16

Left Out: 2187.620+/-0.359 χ^2/NDF:1342.1/23

Right Out: 2483.535+/-0.608 χ^2/NDF: 650753.5/19

Left In: 2190.163+/-0.362 χ^2/NDF:2542.8/22

Left: 2188.882+/-0.255 χ^2/NDF: 3909.8/46

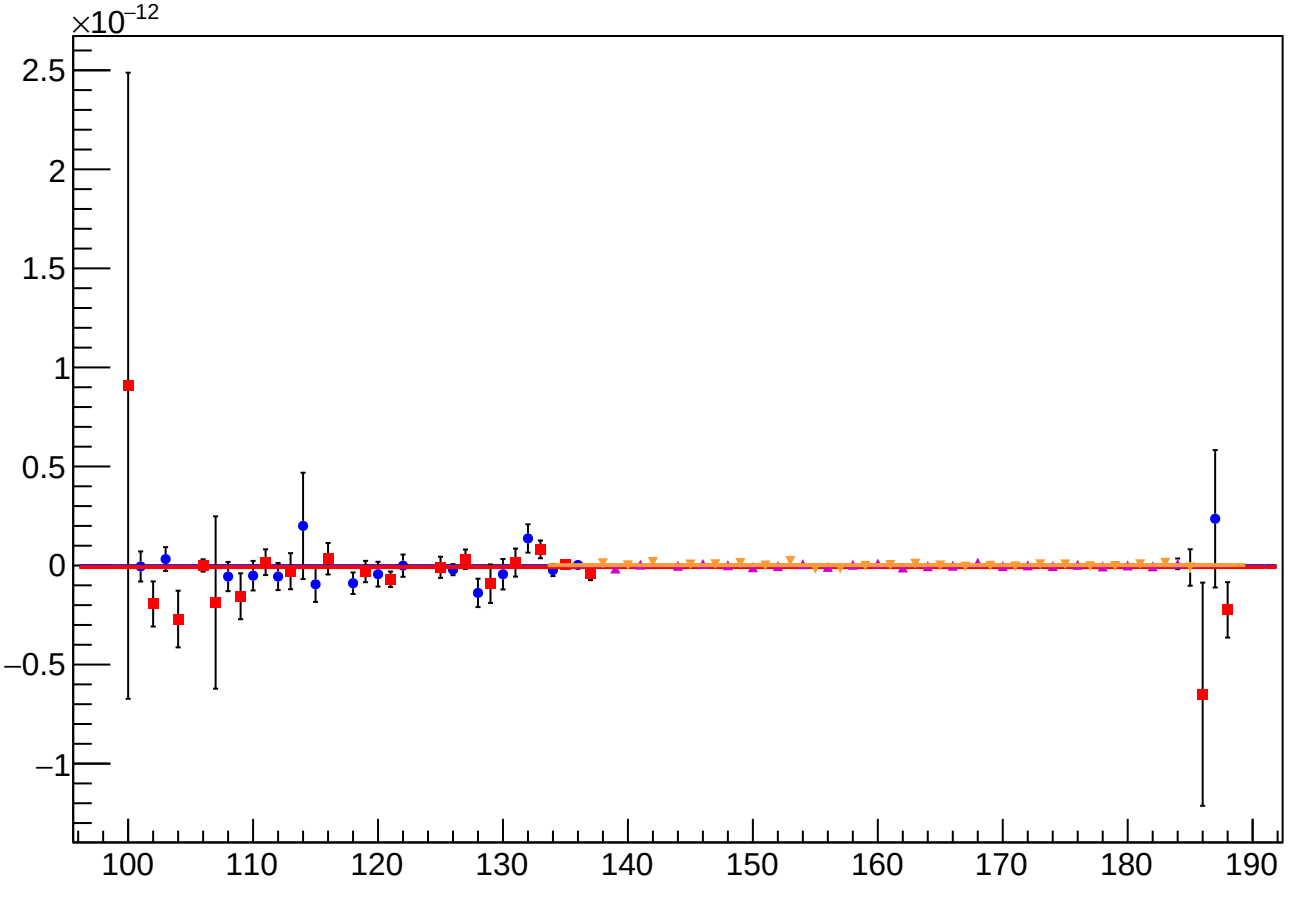
Right: 2449.991+/-0.441 χ^2/NDF: 1336744.3/36

In: 2243.959+/-0.315 χ^2/NDF:773732.5/39

Out: 2264.032+/-0.309 χ^2/NDF:827530.8/43

All: 2254.179+/-0.221 χ^2/NDF: 1603332.1/83

asym_us_dd_at1lr_dd_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 16.1/16

Left Out: 0.000+/-0.000 χ^2/NDF:19.4/23

Right Out: -0.000+/-0.000 χ^2/NDF: 22.6/19

Left In: -0.000+/-0.000 χ^2/NDF:13.3/22

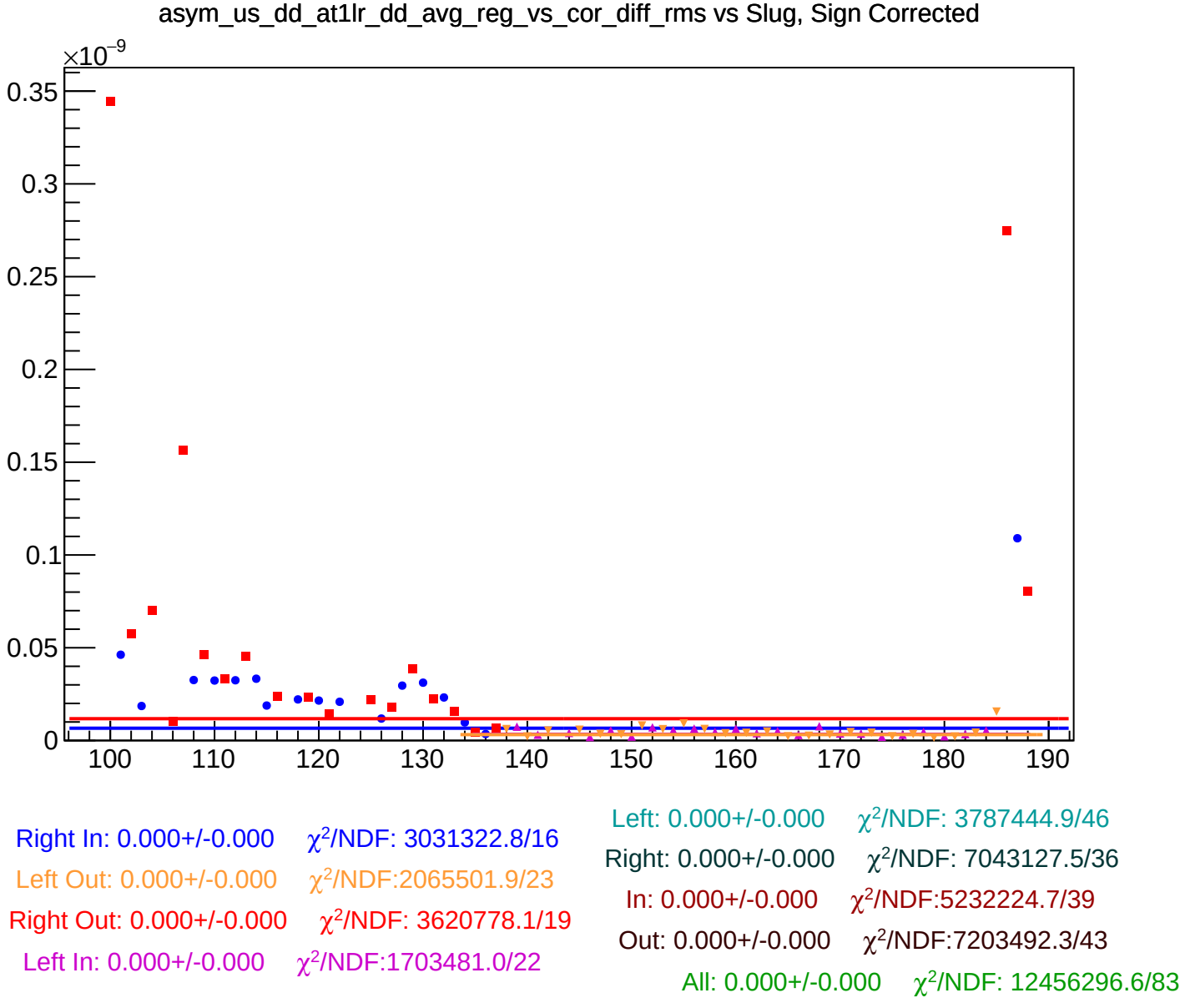
Left: 0.000+/-0.000 χ^2/NDF: 33.7/46

Right: -0.000+/-0.000 χ^2/NDF: 38.8/36

In: -0.000+/-0.000 χ^2/NDF:29.6/39

Out: 0.000+/-0.000 χ^2/NDF:43.0/43

All: 0.000+/-0.000 χ^2/NDF: 73.5/83


asym_us_dd_at1lr_dd_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.35
0.3
0.25
0.2
0.15
0.1
0.05
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120
130
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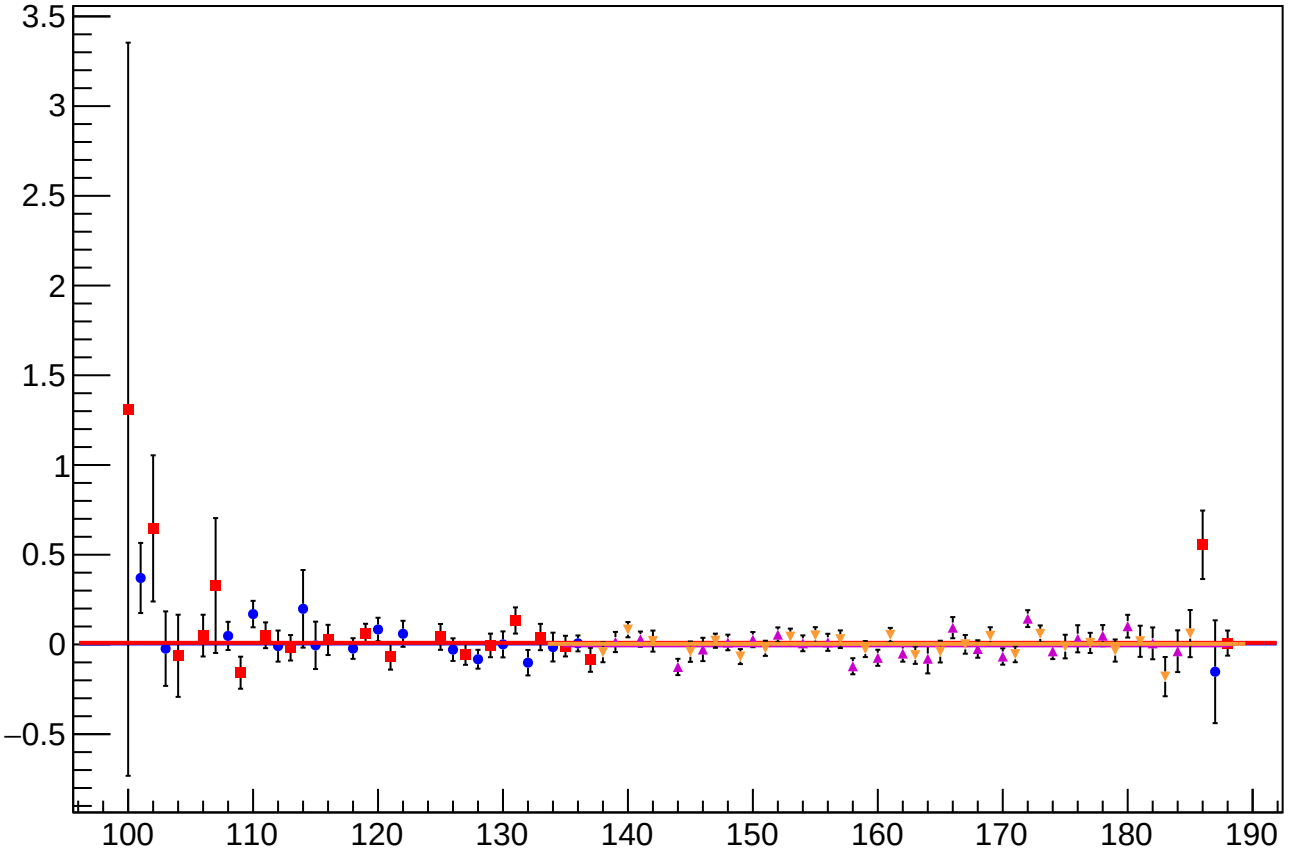
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 3031322.8/16
Left Out: 0.000+/-0.000 χ²/NDF:2065501.9/23
Right Out: 0.000+/-0.000 χ²/NDF: 3620778.1/19
Left In: 0.000+/-0.000 χ²/NDF:1703481.0/22
Left: 0.000+/-0.000 χ²/NDF: 3787444.9/46
Right: 0.000+/-0.000 χ²/NDF: 7043127.5/36
In: 0.000+/-0.000 χ²/NDF:5232224.7/39
Out: 0.000+/-0.000 χ²/NDF:7203492.3/43
All: 0.000+/-0.000 χ²/NDF: 12456296.6/83

asym_us_dd_at1lr_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.005+/-0.018 χ^2/NDF: 17.5/16

Left Out: 0.003+/-0.010 χ^2/NDF:21.8/23

Right Out: 0.009+/-0.018 χ^2/NDF: 24.5/19

Left In: -0.005+/-0.011 χ^2/NDF:41.4/22

Left: -0.001+/-0.007 χ^2/NDF: 63.6/46

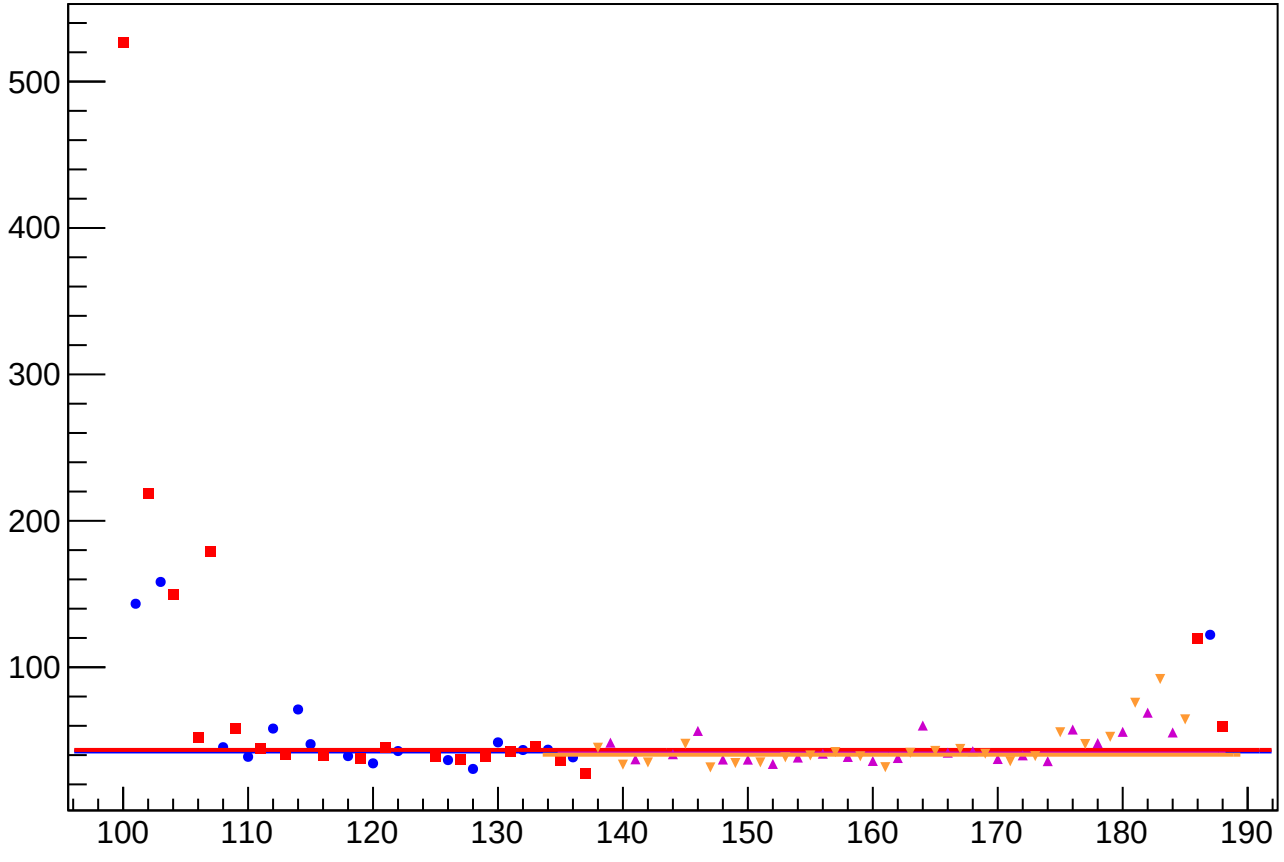
Right: 0.007+/-0.013 χ^2/NDF: 42.1/36

In: -0.003+/-0.009 χ^2/NDF:59.2/39

Out: 0.005+/-0.009 χ^2/NDF:46.5/43

All: 0.001+/-0.006 χ^2/NDF: 106.0/83

asym_us_dd_at1lr_dd_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 42.489+/-0.013 χ^2/NDF: 1609709.8/16

Left Out: 40.277+/-0.007 χ^2/NDF:1489065.3/23

Right Out: 43.536+/-0.013 χ^2/NDF: 1882898.8/19

Left In: 41.082+/-0.007 χ^2/NDF:926843.9/22

Left: 40.672+/-0.005 χ^2/NDF: 2421828.9/46

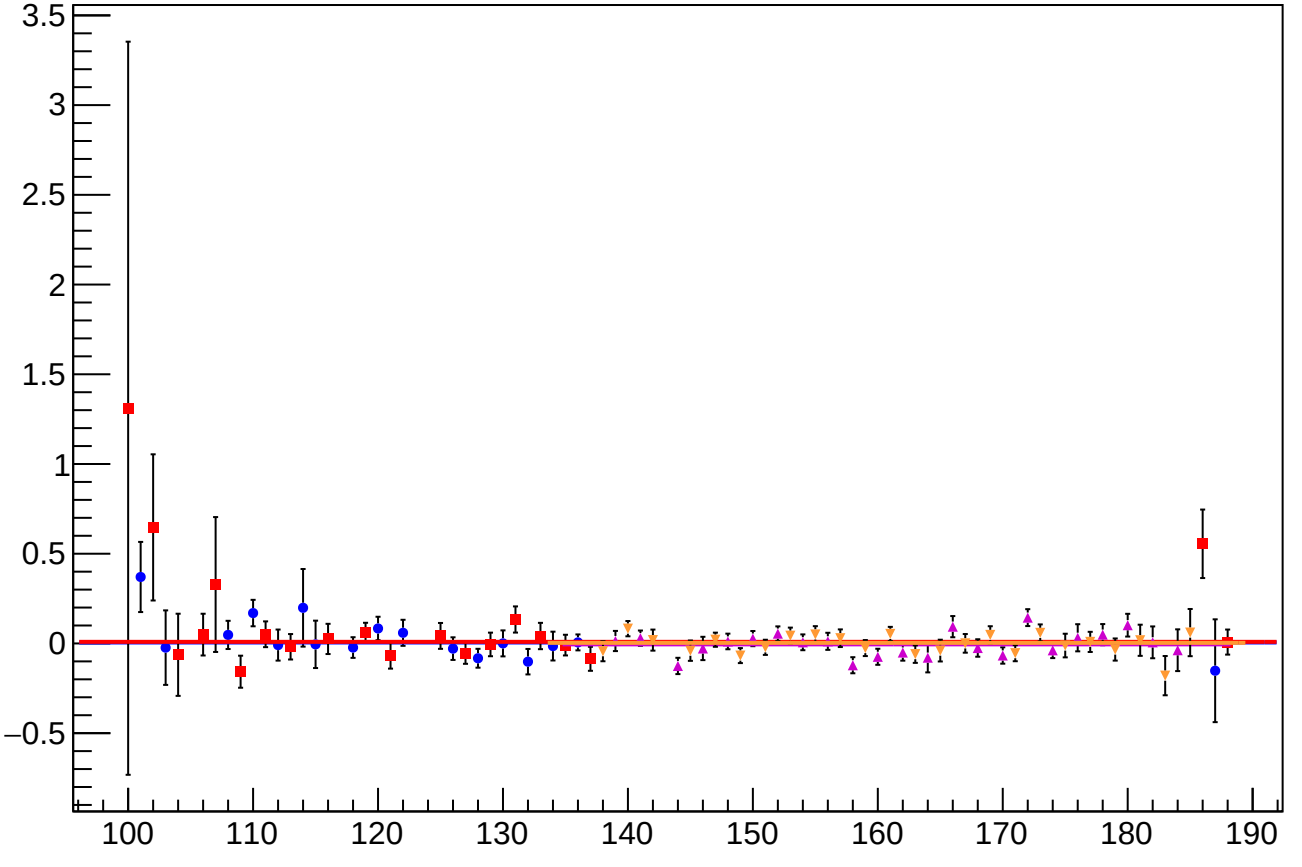
Right: 43.023+/-0.009 χ^2/NDF: 3495974.1/36

In: 41.436+/-0.006 χ^2/NDF:2545476.0/39

Out: 41.097+/-0.006 χ^2/NDF:3421683.7/43

All: 41.263+/-0.005 χ^2/NDF: 5968560.5/83

asym_us_dd_at1lr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.005+/-0.018 χ^2/NDF: 17.5/16

Left Out: 0.003+/-0.010 χ^2/NDF:21.8/23

Right Out: 0.009+/-0.018 χ^2/NDF: 24.5/19

Left In: -0.005+/-0.011 χ^2/NDF:41.4/22

Left: -0.001+/-0.007 χ^2/NDF: 63.6/46

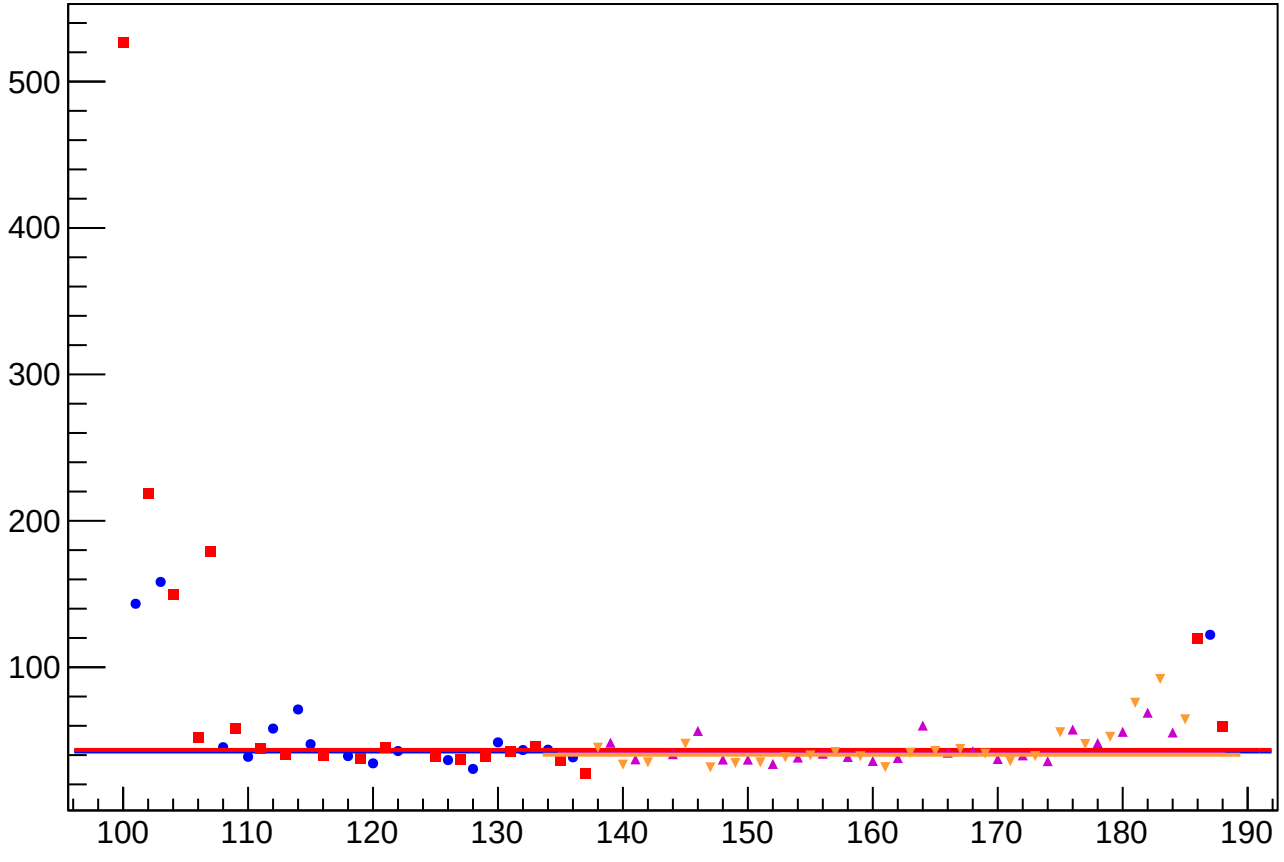
Right: 0.007+/-0.013 χ^2/NDF: 42.1/36

In: -0.003+/-0.009 χ^2/NDF:59.2/39

Out: 0.005+/-0.009 χ^2/NDF:46.5/43

All: 0.001+/-0.006 χ^2/NDF: 106.0/83

asym_us_dd_at1lr_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 42.489+/-0.013 χ^2/NDF: 1609709.8/16

Left Out: 40.277+/-0.007 χ^2/NDF:1489065.3/23

Right Out: 43.536+/-0.013 χ^2/NDF: 1882898.8/19

Left In: 41.082+/-0.007 χ^2/NDF:926843.9/22

Left: 40.672+/-0.005 χ^2/NDF: 2421828.9/46

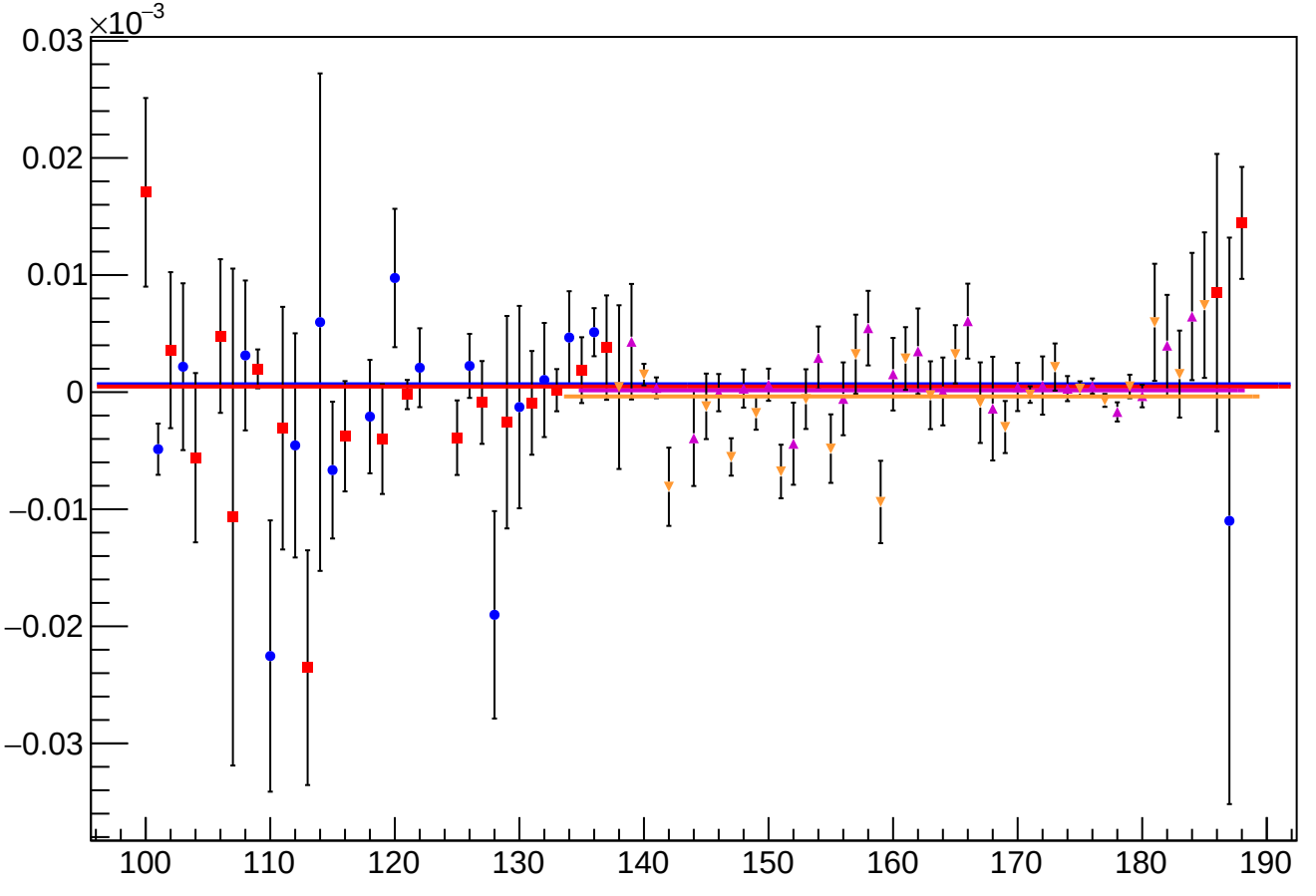
Right: 43.023+/-0.009 χ^2/NDF: 3495974.1/36

In: 41.436+/-0.006 χ^2/NDF:2545476.0/39

Out: 41.097+/-0.006 χ^2/NDF:3421683.7/43

All: 41.263+/-0.005 χ^2/NDF: 5968560.5/83

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: 26.7/16

Left Out: -0.000+/-0.000 χ^2/NDF:51.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 26.7/19

Left In: 0.000+/-0.000 χ^2/NDF:19.9/22

Left: -0.000+/-0.000 χ^2/NDF: 72.6/46

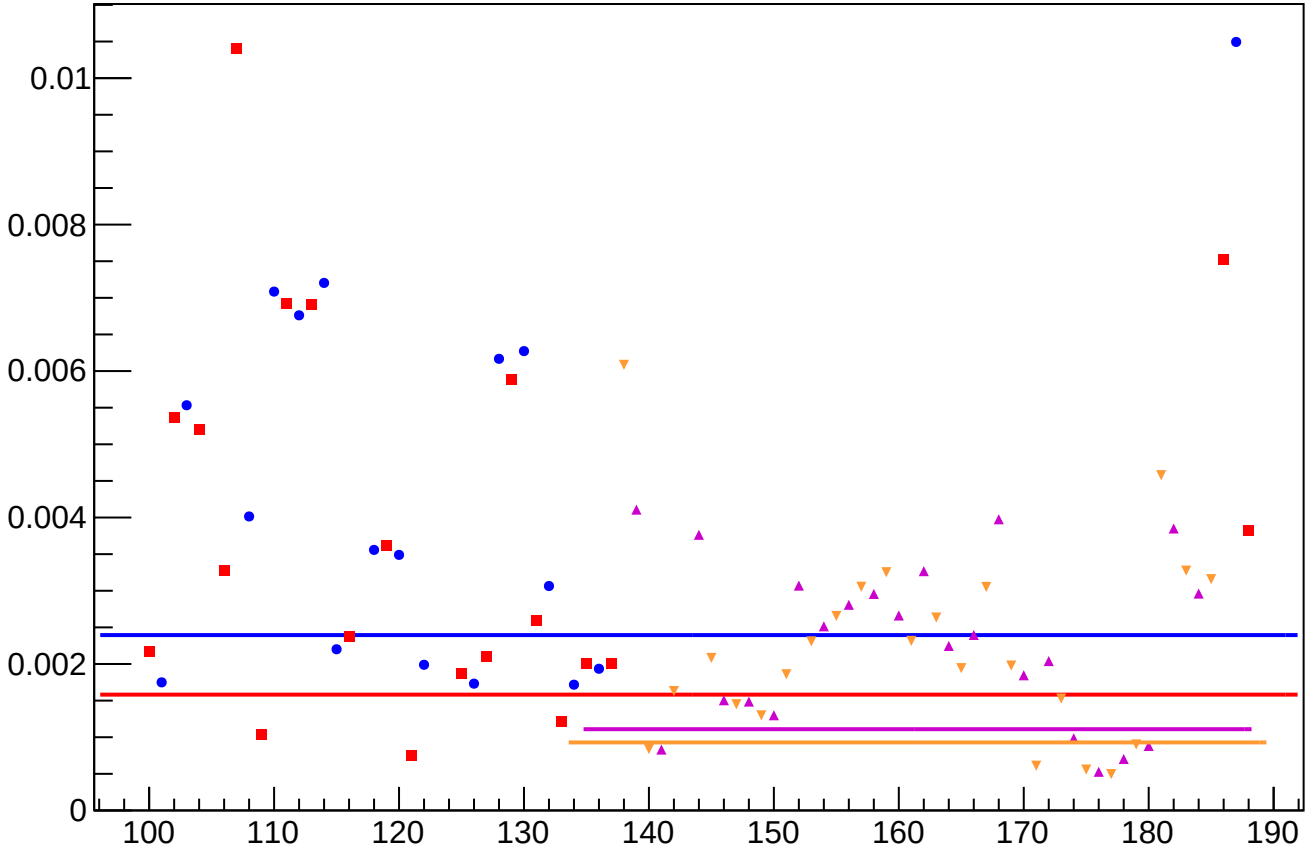
Right: 0.000+/-0.000 χ^2/NDF: 53.4/36

In: 0.000+/-0.000 χ^2/NDF:46.8/39

Out: -0.000+/-0.000 χ^2/NDF:79.1/43

All: -0.000+/-0.000 χ^2/NDF: 127.2/83

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 3057124.3/16

Left Out: 0.001+/-0.000 χ^2/NDF:12568645.9/23

Right Out: 0.002+/-0.000 χ^2/NDF: 5966884.9/19

Left In: 0.001+/-0.000 χ^2/NDF:10930077.0/22

Left: 0.001+/-0.000 χ^2/NDF: 23862151.8/46

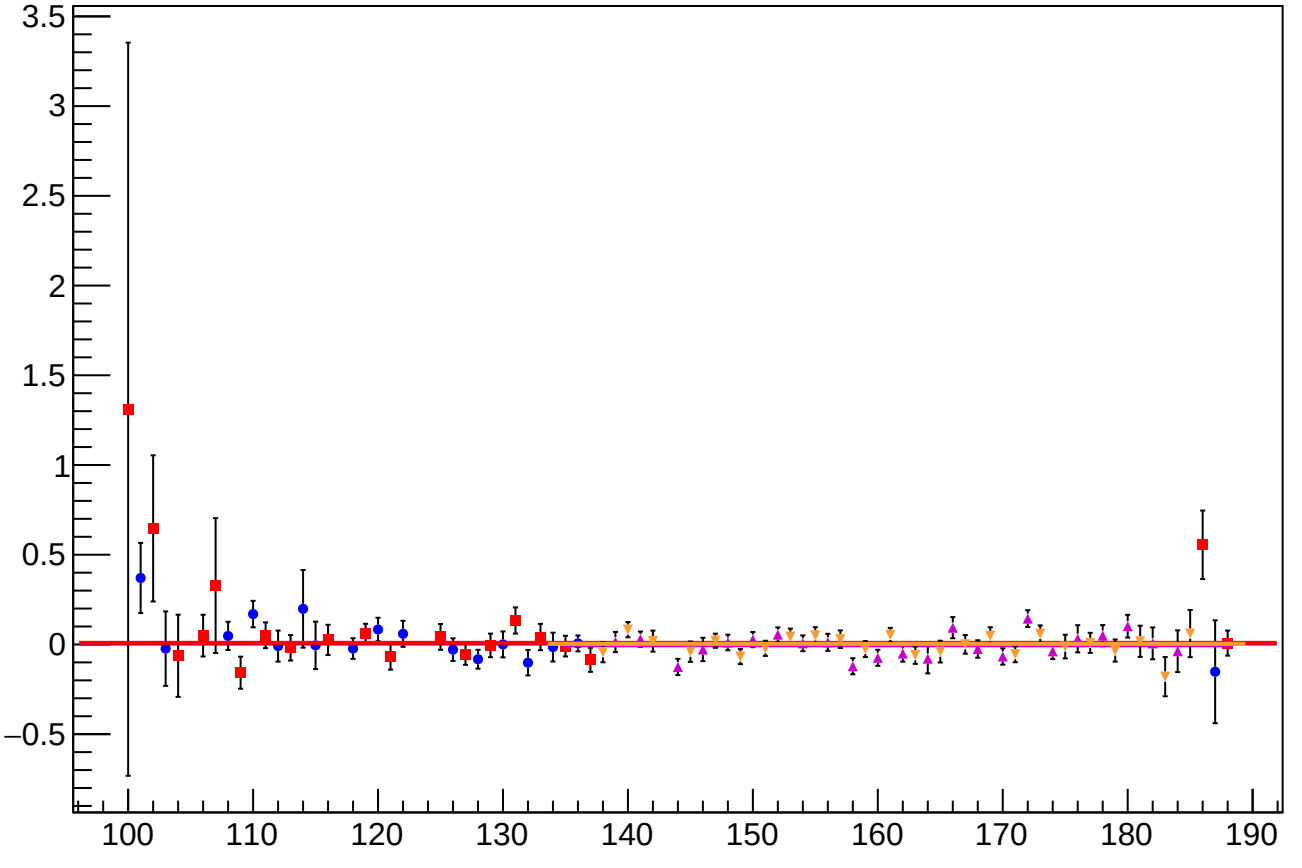
Right: 0.002+/-0.000 χ^2/NDF: 9883038.1/36

In: 0.001+/-0.000 χ^2/NDF:16895707.1/39

Out: 0.001+/-0.000 χ^2/NDF:19994530.9/43

All: 0.001+/-0.000 χ^2/NDF: 37438700.8/83

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.005+/-0.018 χ^2/NDF: 17.5/16

Left Out: 0.003+/-0.010 χ^2/NDF:21.8/23

Right Out: 0.009+/-0.018 χ^2/NDF: 24.5/19

Left In: -0.005+/-0.011 χ^2/NDF:41.4/22

Left: -0.001+/-0.007 χ^2/NDF: 63.6/46

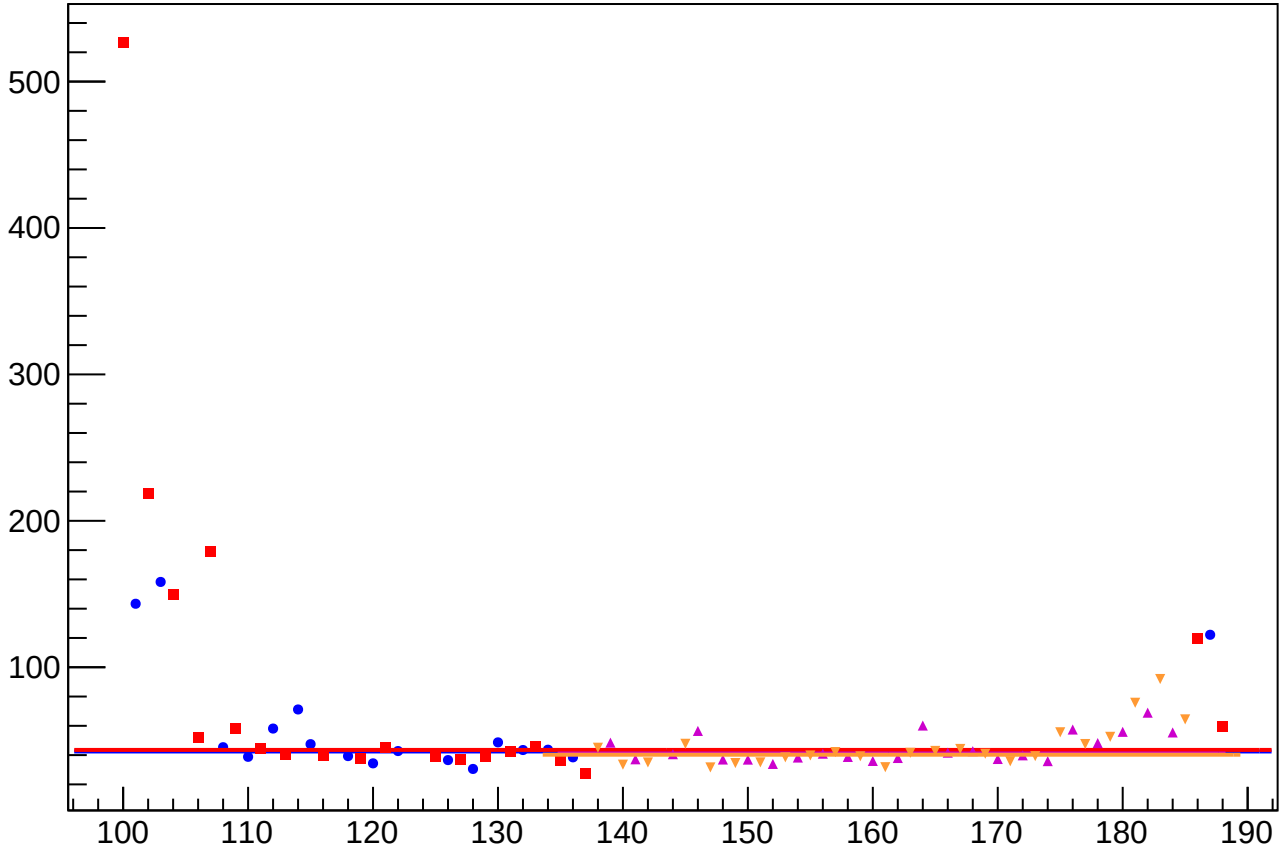
Right: 0.007+/-0.013 χ^2/NDF: 42.1/36

In: -0.003+/-0.009 χ^2/NDF:59.2/39

Out: 0.005+/-0.009 χ^2/NDF:46.5/43

All: 0.001+/-0.006 χ^2/NDF: 106.0/83

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 42.487+/-0.013 χ^2/NDF: 1609944.5/16

Left Out: 40.277+/-0.007 χ^2/NDF:1489049.7/23

Right Out: 43.537+/-0.013 χ^2/NDF: 1882905.8/19

Left In: 41.082+/-0.007 χ^2/NDF:926883.3/22

Left: 40.672+/-0.005 χ^2/NDF: 2421851.2/46

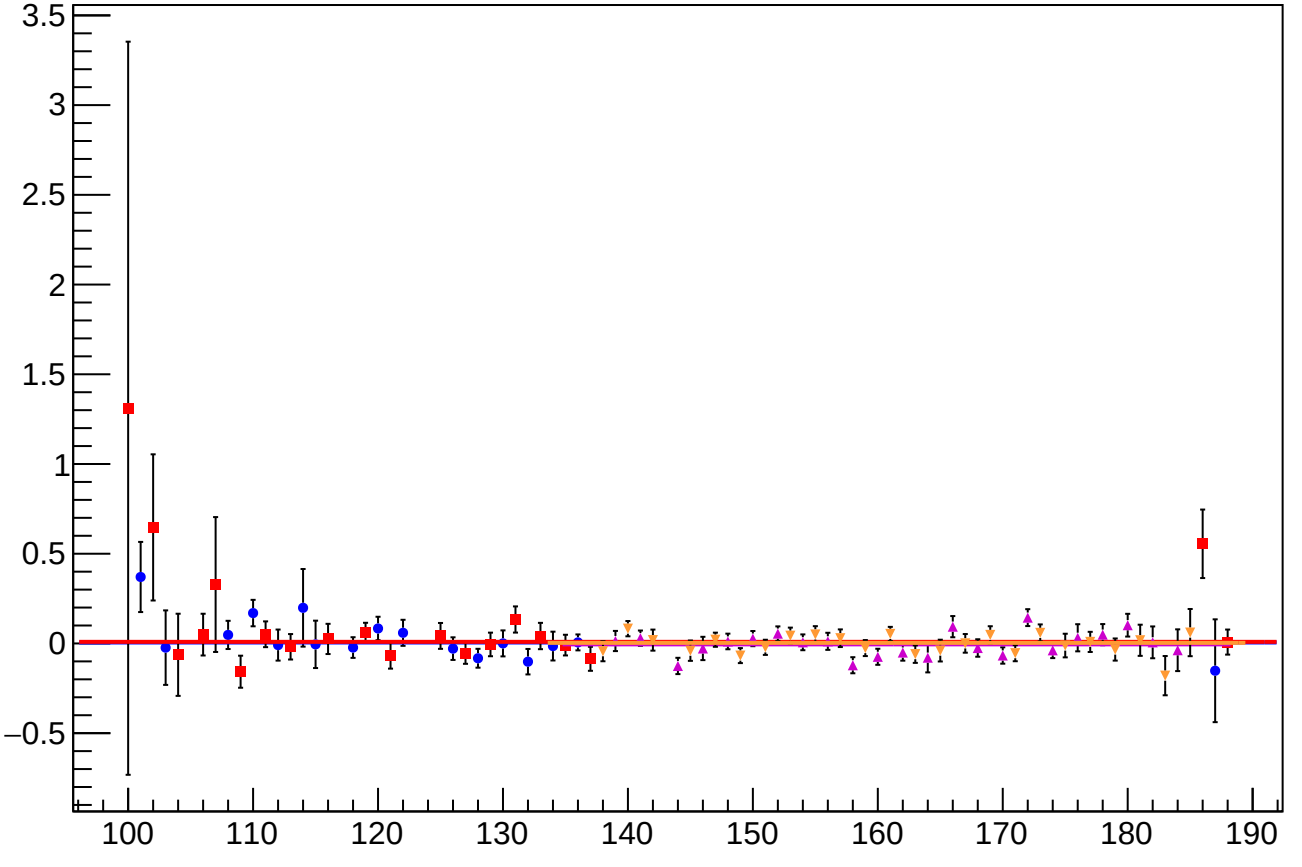
Right: 43.022+/-0.009 χ^2/NDF: 3496235.2/36

In: 41.436+/-0.006 χ^2/NDF:2545718.9/39

Out: 41.097+/-0.006 χ^2/NDF:3421686.7/43

All: 41.263+/-0.005 χ^2/NDF: 5968799.8/83

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.005+/-0.018 χ^2/NDF: 17.5/16

Left Out: 0.003+/-0.010 χ^2/NDF:21.8/23

Right Out: 0.009+/-0.018 χ^2/NDF: 24.5/19

Left In: -0.005+/-0.011 χ^2/NDF:41.4/22

Left: -0.001+/-0.007 χ^2/NDF: 63.6/46

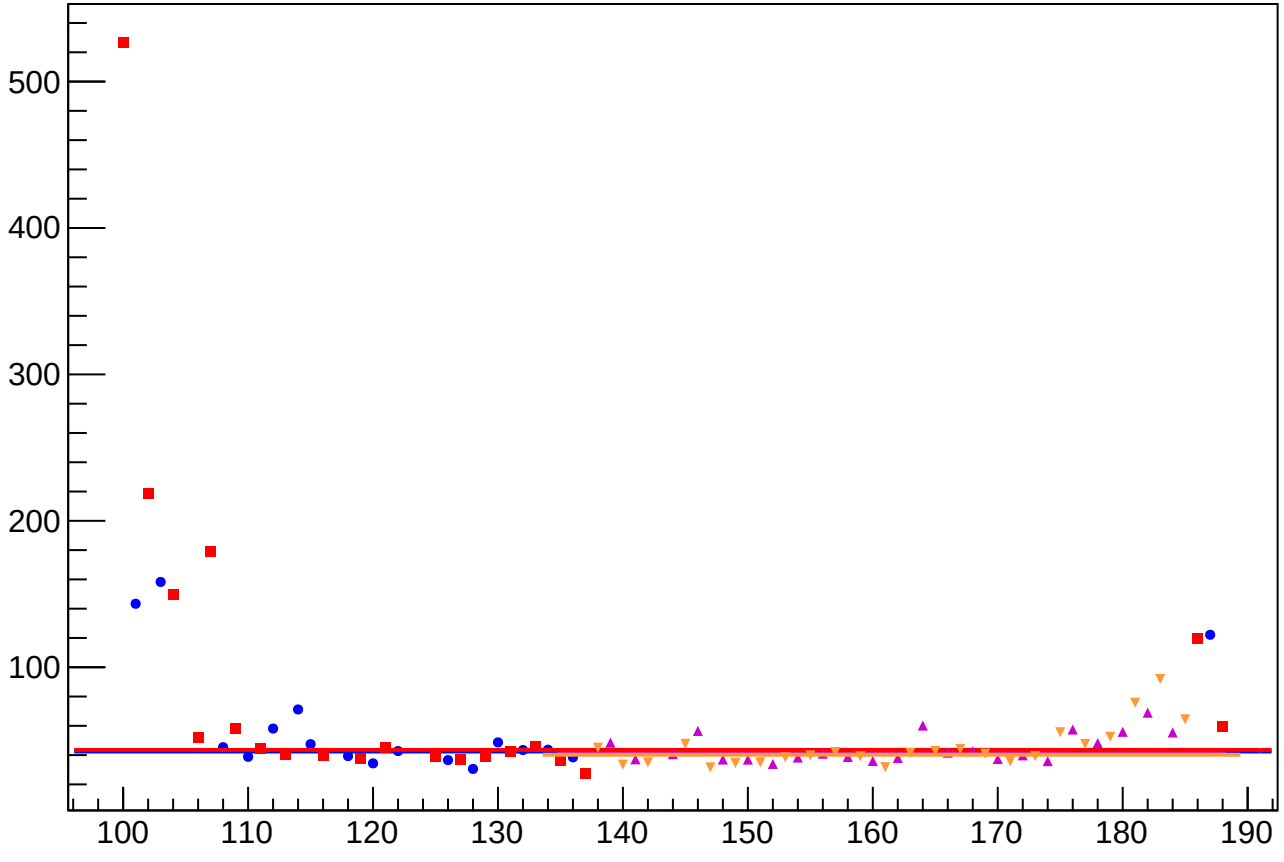
Right: 0.007+/-0.013 χ^2/NDF: 42.1/36

In: -0.003+/-0.009 χ^2/NDF:59.2/39

Out: 0.005+/-0.009 χ^2/NDF:46.5/43

All: 0.001+/-0.006 χ^2/NDF: 106.0/83

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 42.487+/-0.013 χ^2/NDF: 1609944.5/16

Left Out: 40.277+/-0.007 χ^2/NDF:1489049.7/23

Right Out: 43.537+/-0.013 χ^2/NDF: 1882905.8/19

Left In: 41.082+/-0.007 χ^2/NDF:926883.3/22

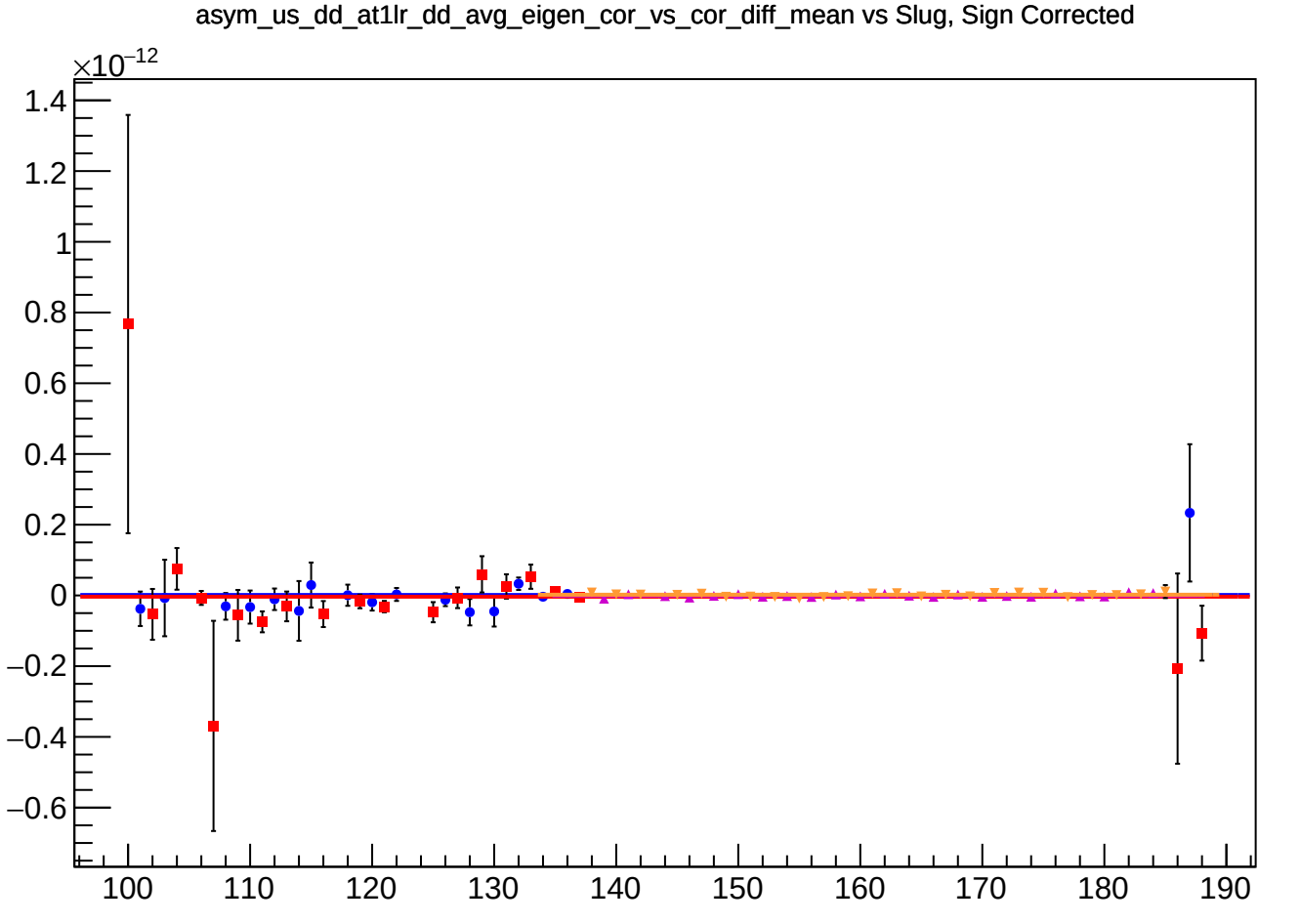
Left: 40.672+/-0.005 χ^2/NDF: 2421851.2/46

Right: 43.022+/-0.009 χ^2/NDF: 3496235.2/36

In: 41.436+/-0.006 χ^2/NDF:2545718.9/39

Out: 41.097+/-0.006 χ^2/NDF:3421686.7/43

All: 41.263+/-0.005 χ^2/NDF: 5968799.8/83



Right In: 0.000+/-0.000 χ^2/NDF: 12.0/16

Left Out: 0.000+/-0.000 χ^2/NDF:25.2/23

Right Out: -0.000+/-0.000 χ^2/NDF: 31.2/19

Left In: -0.000+/-0.000 χ^2/NDF:23.1/22

Left: 0.000+/-0.000 χ^2/NDF: 52.2/46

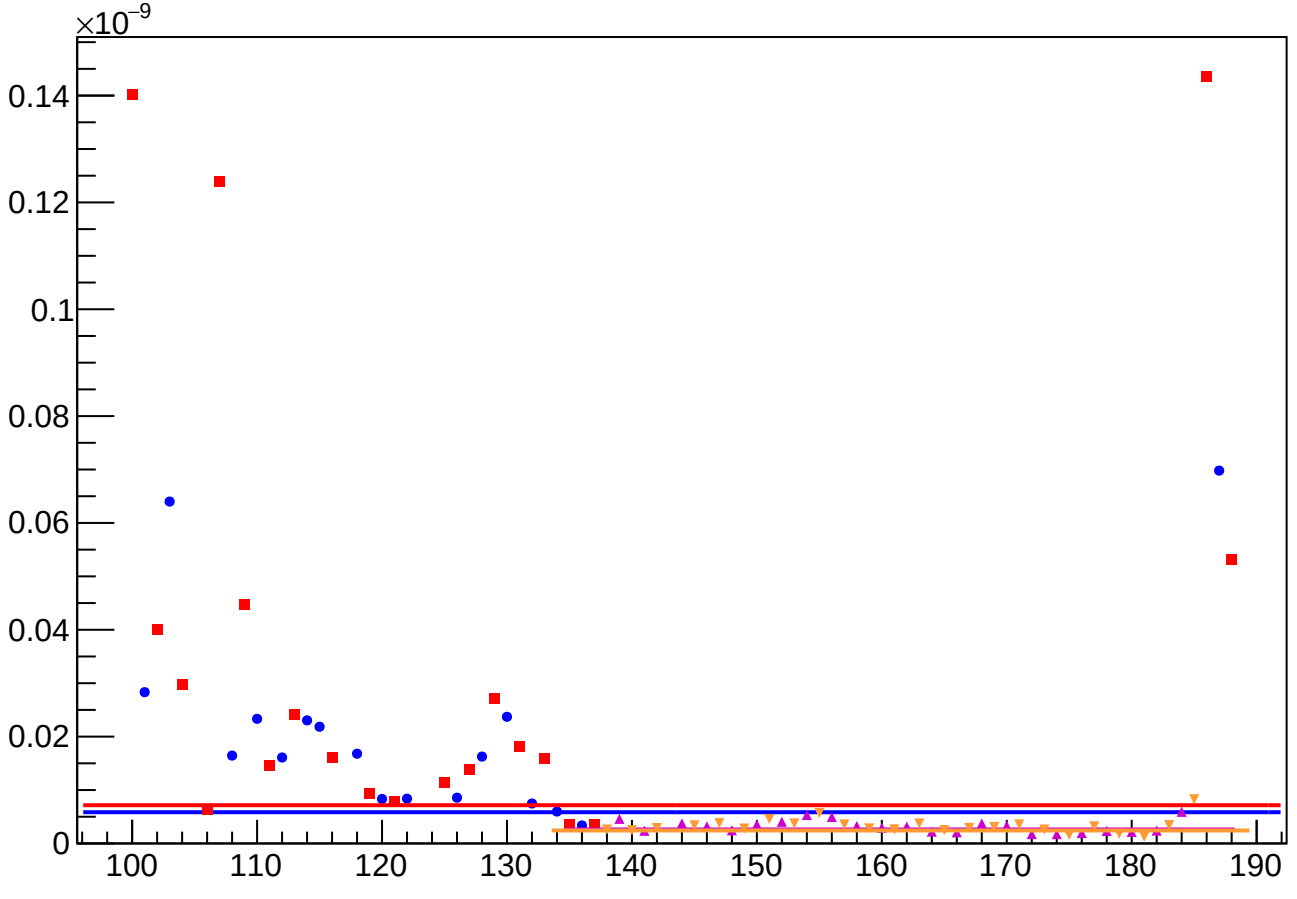
Right: -0.000+/-0.000 χ^2/NDF: 43.7/36

In: -0.000+/-0.000 χ^2/NDF:35.2/39

Out: 0.000+/-0.000 χ^2/NDF:57.7/43

All: 0.000+/-0.000 χ^2/NDF: 96.2/83

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: 3513095.1/16

Left Out: 0.000+/-0.000 χ^2/NDF:2792453.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 5011627.1/19

Left In: 0.000+/-0.000 χ^2/NDF:1949059.2/22

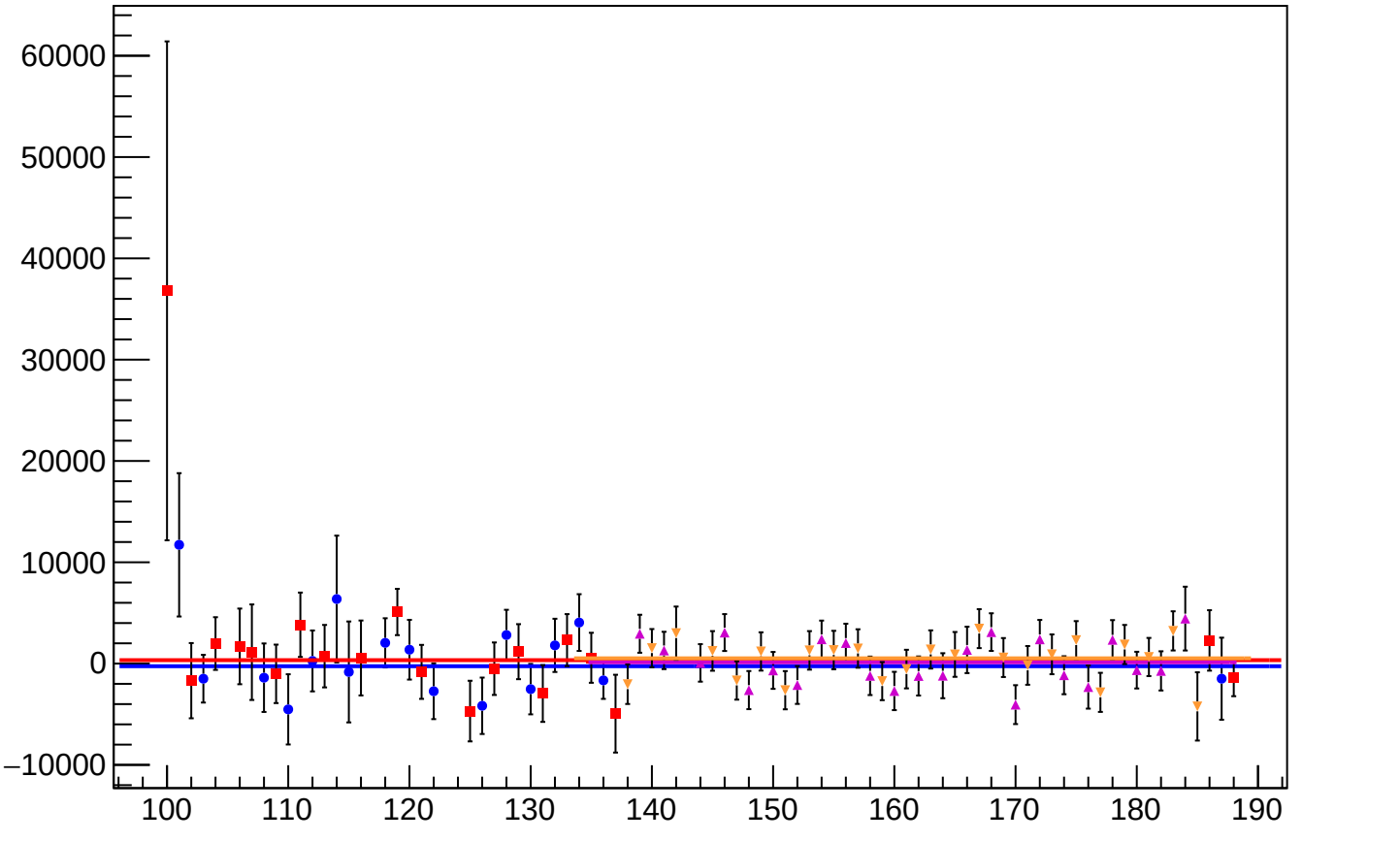
Left: 0.000+/-0.000 χ^2/NDF: 4793027.5/46

Right: 0.000+/-0.000 χ^2/NDF: 8615913.6/36

In: 0.000+/-0.000 χ^2/NDF:6755492.1/39

Out: 0.000+/-0.000 χ^2/NDF:9743762.1/43

All: 0.000+/-0.000 χ^2/NDF: 16559837.1/83



Right In: -260.756+/-698.522 χ^2/NDF: 15.9/16

Left Out: 519.929+/-401.705 χ^2/NDF:20.8/23

Right Out: 338.479+/-649.027 χ^2/NDF: 17.1/19

Left In: 126.031+/-404.630 χ^2/NDF:29.5/22

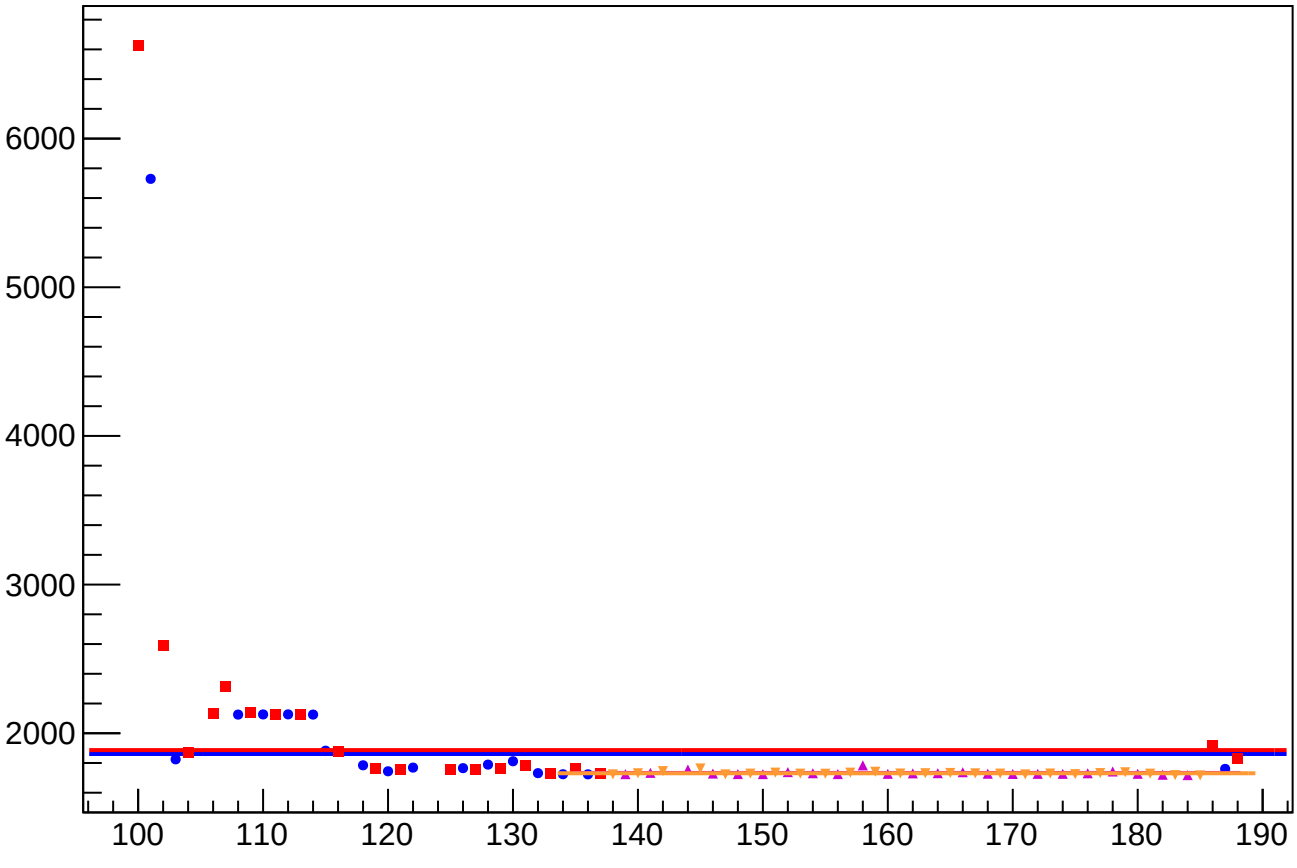
Left: 324.409+/-285.077 χ^2/NDF: 50.7/46

Right: 60.842+/-475.467 χ^2/NDF: 33.5/36

In: 28.853+/-350.129 χ^2/NDF:45.6/39

Out: 469.672+/-341.573 χ^2/NDF:38.0/43

All: 254.714+/-244.498 χ^2/NDF: 84.4/83



Right In: 1860.505+/-0.494 χ^2/NDF: 675930.1/16

Left Out: 1730.847+/-0.284 χ^2/NDF:969.7/23

Right Out: 1886.663+/-0.459 χ^2/NDF: 253666.7/19

Left In: 1733.007+/-0.286 χ^2/NDF:2237.4/22

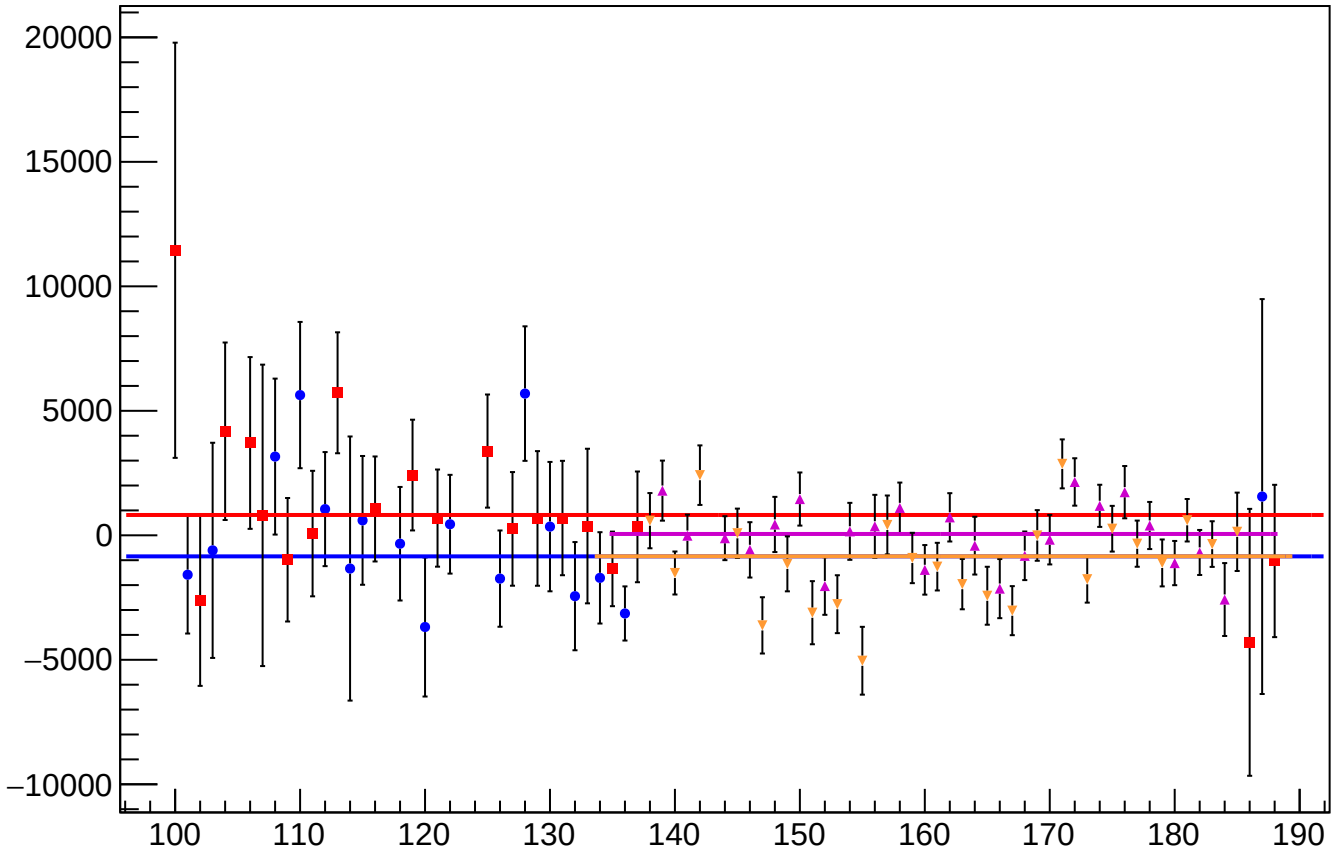
Left: 1731.919+/-0.202 χ^2/NDF: 3235.8/46

Right: 1874.544+/-0.336 χ^2/NDF: 931102.0/36

In: 1765.040+/-0.248 χ^2/NDF:728057.8/39

Out: 1774.004+/-0.242 χ^2/NDF:337982.2/43

All: 1769.633+/-0.173 χ^2/NDF: 1066711.7/83



Right In: -845.747+/-548.475 χ^2/NDF: 20.7/16

Left Out: -842.437+/-210.852 χ^2/NDF:62.7/23

Right Out: 816.687+/-570.352 χ^2/NDF: 14.2/19

Left In: 53.905+/-212.966 χ^2/NDF:30.6/22

Left: -398.736+/-149.837 χ^2/NDF: 102.3/46

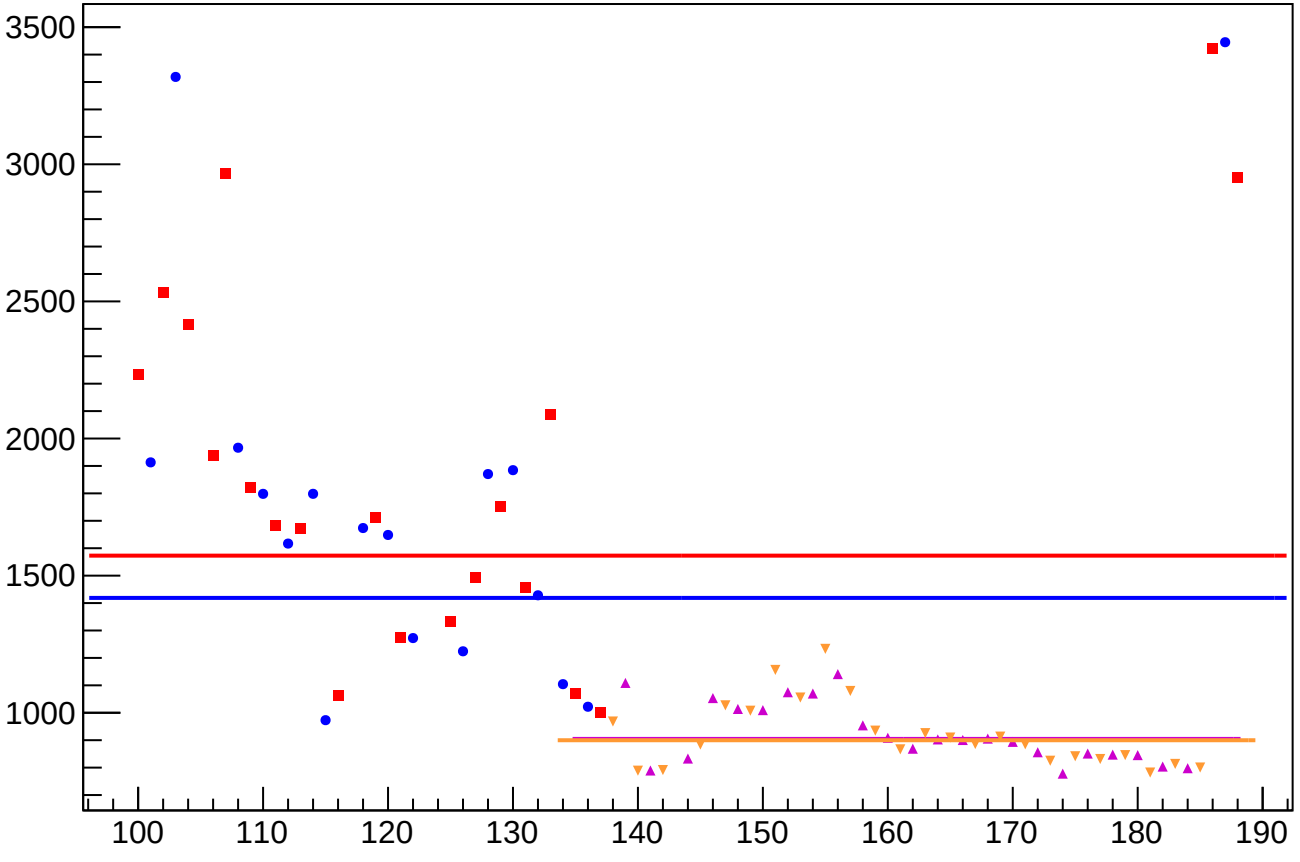
Right: -47.025+/-395.338 χ^2/NDF: 39.3/36

In: -63.963+/-198.526 χ^2/NDF:53.7/39

Out: -642.950+/-197.770 χ^2/NDF:84.4/43

All: -354.560+/-140.111 χ^2/NDF: 142.3/83

asym_us_dd_at1lr_dd_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 1418.834+/-0.388 χ^2/NDF: 1298898.2/16

Left Out: 899.811+/-0.149 χ^2/NDF:495328.4/23

Right Out: 1572.947+/-0.403 χ^2/NDF: 1704767.8/19

Left In: 904.656+/-0.151 χ^2/NDF:452251.7/22

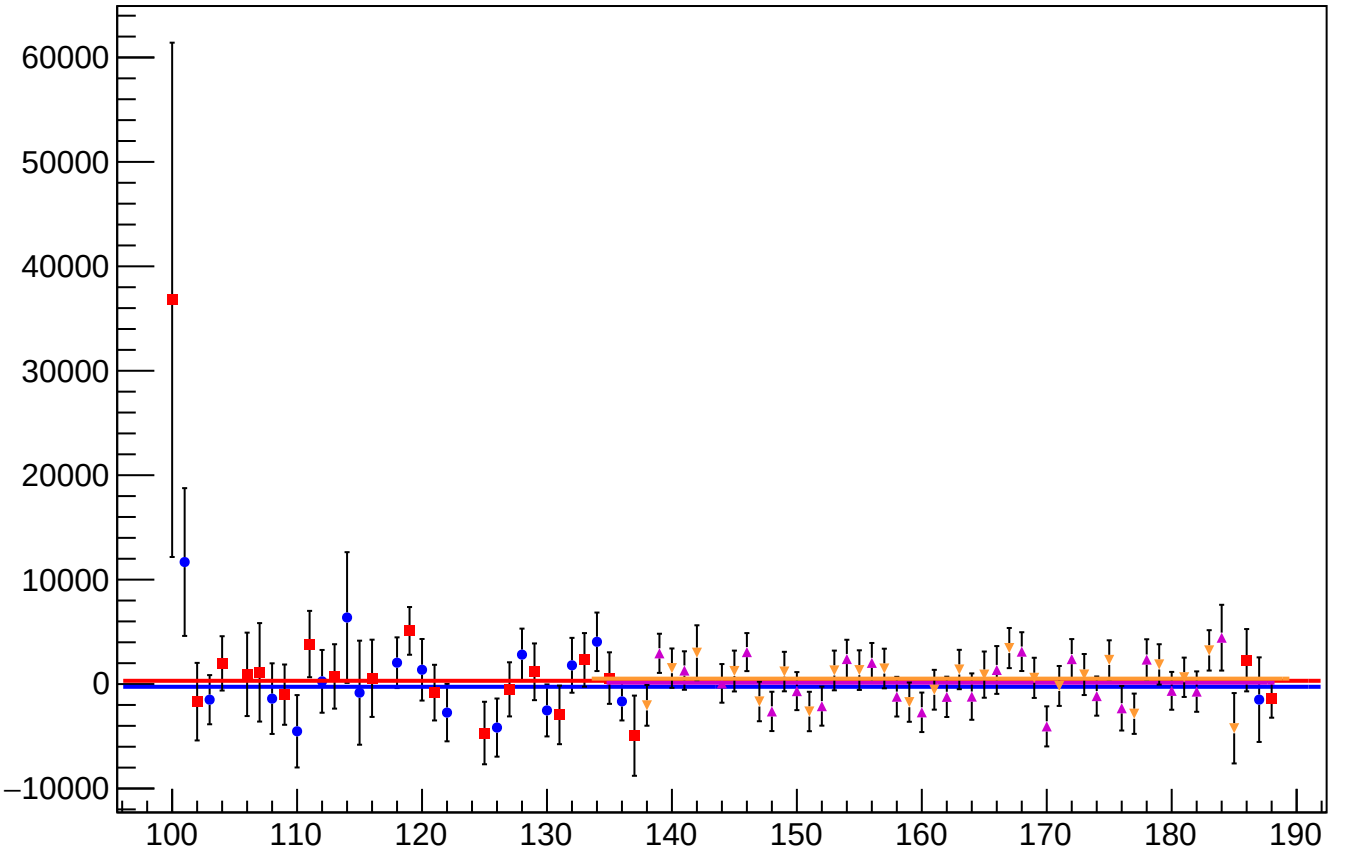
Left: 902.210+/-0.106 χ^2/NDF: 948102.8/46

Right: 1492.878+/-0.280 χ^2/NDF: 3079531.2/36

In: 972.021+/-0.140 χ^2/NDF:3278561.7/39

Out: 980.747+/-0.140 χ^2/NDF:4650930.9/43

All: 976.400+/-0.099 χ^2/NDF: 7931431.9/83



Right In: -261.503+/-698.522 χ^2/NDF: 15.9/16

Left Out: 519.957+/-401.705 χ^2/NDF:20.8/23

Right Out: 313.497+/-650.258 χ^2/NDF: 17.0/19

Left In: 126.091+/-404.630 χ^2/NDF:29.5/22

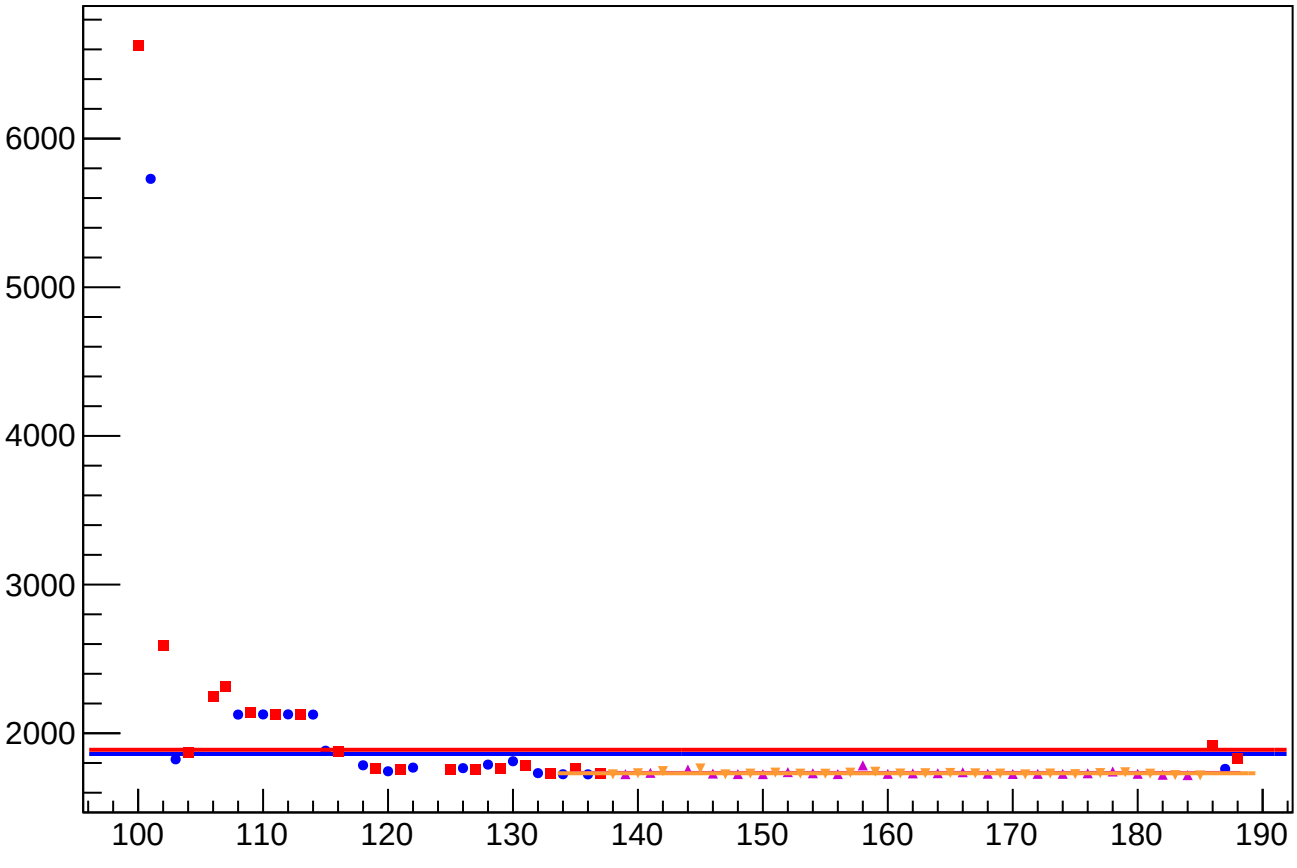
Left: 324.453+/-285.077 χ^2/NDF: 50.7/46

Right: 46.546+/-475.951 χ^2/NDF: 33.3/36

In: 28.711+/-350.129 χ^2/NDF:45.6/39

Out: 462.929+/-341.752 χ^2/NDF:37.9/43

All: 251.076+/-244.563 χ^2/NDF: 84.3/83



Right In: 1860.505+/-0.494 χ^2/NDF: 675930.0/16

Left Out: 1730.847+/-0.284 χ^2/NDF:969.7/23

Right Out: 1888.823+/-0.460 χ^2/NDF: 261458.0/19

Left In: 1733.007+/-0.286 χ^2/NDF:2237.4/22

Left: 1731.919+/-0.202 χ^2/NDF: 3235.8/46

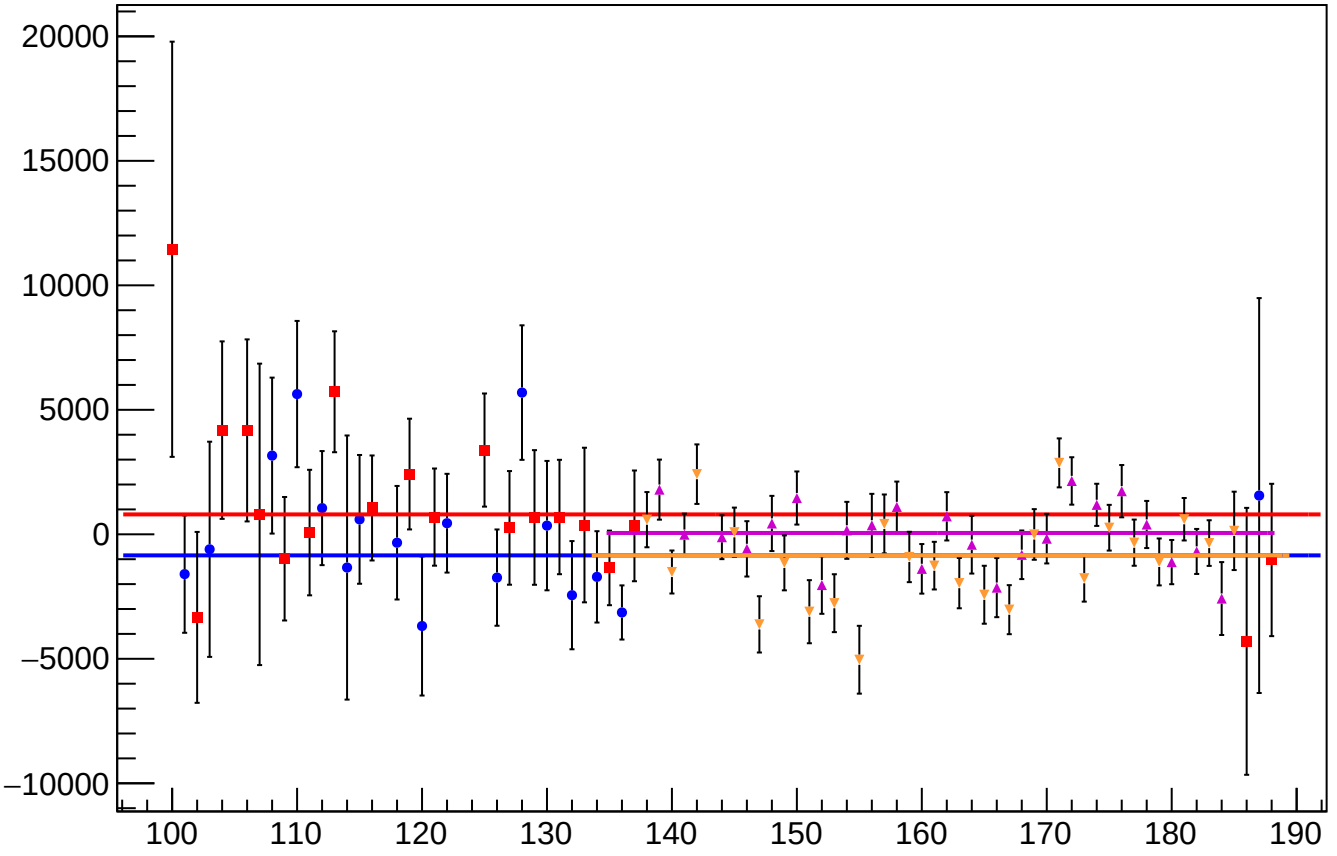
Right: 1875.676+/-0.337 χ^2/NDF: 939148.9/36

In: 1765.040+/-0.248 χ^2/NDF:728057.6/39

Out: 1774.483+/-0.242 χ^2/NDF:347865.3/43

All: 1769.876+/-0.173 χ^2/NDF: 1076667.9/83

asym_us_dd_at1lr_dd_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: -846.567+/-548.432 χ^2/NDF: 20.7/16

Left Out: -842.473+/-210.853 χ^2/NDF:62.7/23

Right Out: 799.580+/-571.208 χ^2/NDF: 14.8/19

Left In: 53.927+/-212.965 χ^2/NDF:30.6/22

Left: -398.741+/-149.837 χ^2/NDF: 102.3/46

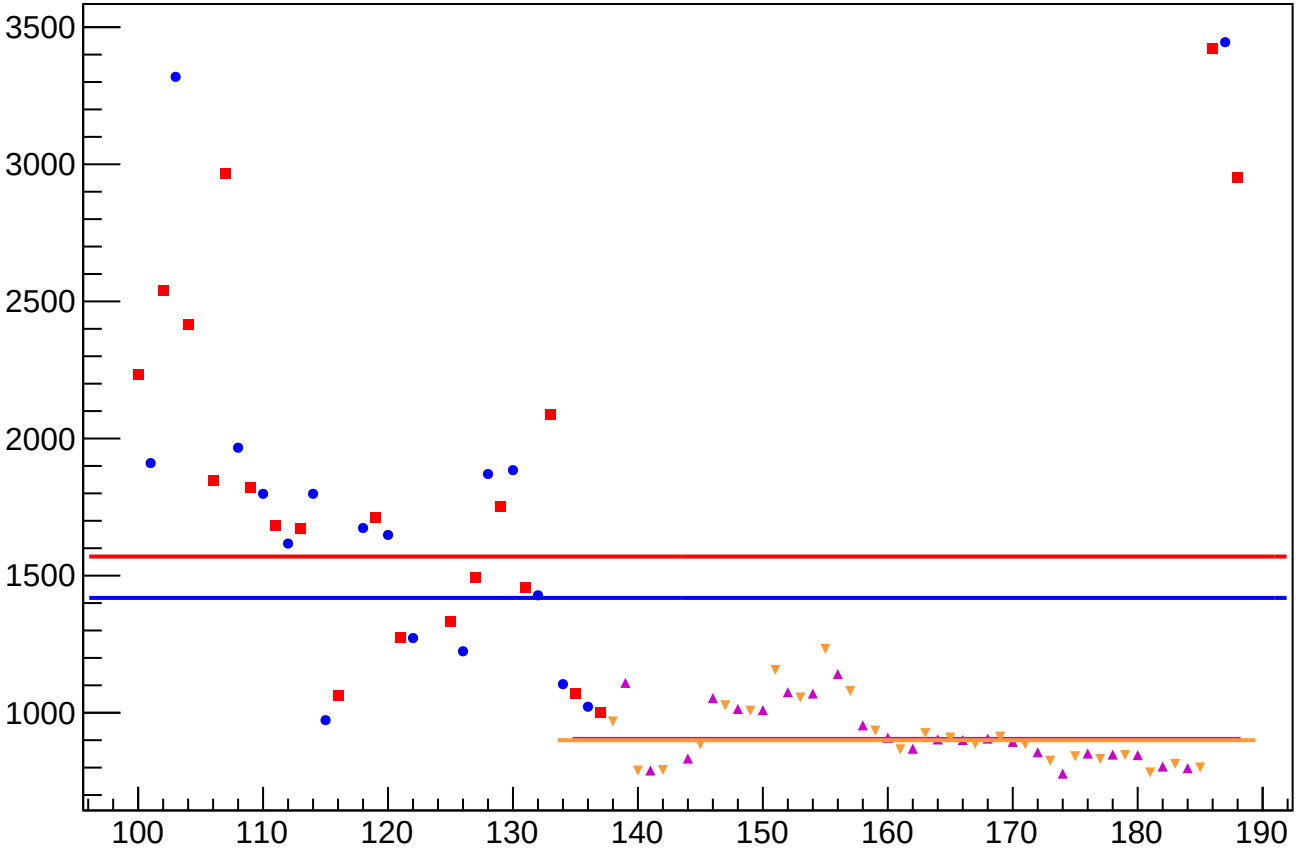
Right: -56.967+/-395.607 χ^2/NDF: 39.9/36

In: -64.066+/-198.523 χ^2/NDF:53.7/39

Out: -645.558+/-197.806 χ^2/NDF:84.8/43

All: -355.863+/-140.123 χ^2/NDF: 142.8/83

asym_us_dd_at1lr_dd_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 1418.755+/-0.388 χ^2/NDF: 1298267.3/16

Left Out: 899.814+/-0.149 χ^2/NDF:495276.2/23

Right Out: 1569.680+/-0.404 χ^2/NDF: 1695116.5/19

Left In: 904.653+/-0.151 χ^2/NDF:452259.2/22

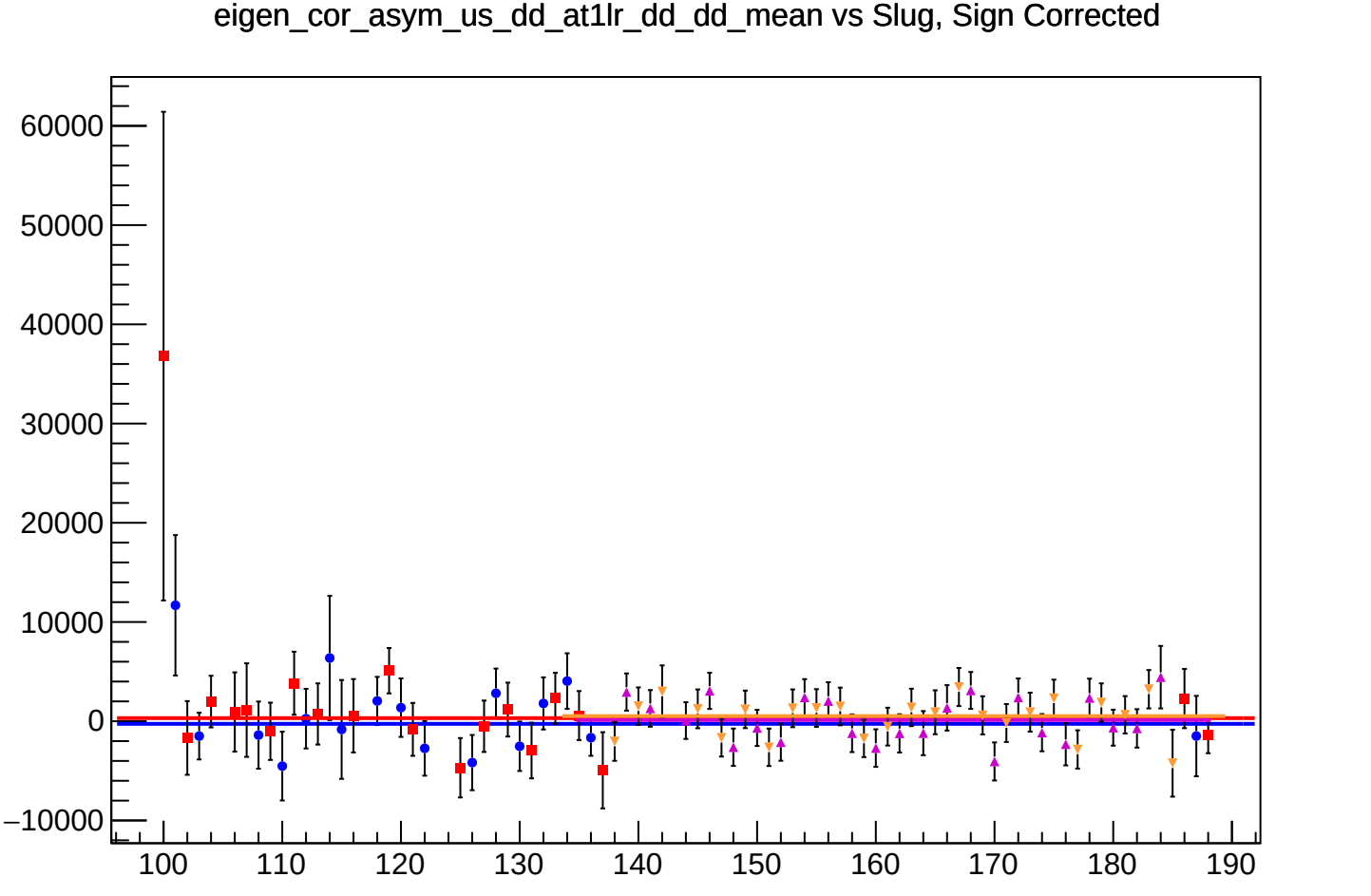
Left: 902.209+/-0.106 χ^2/NDF: 948056.7/46

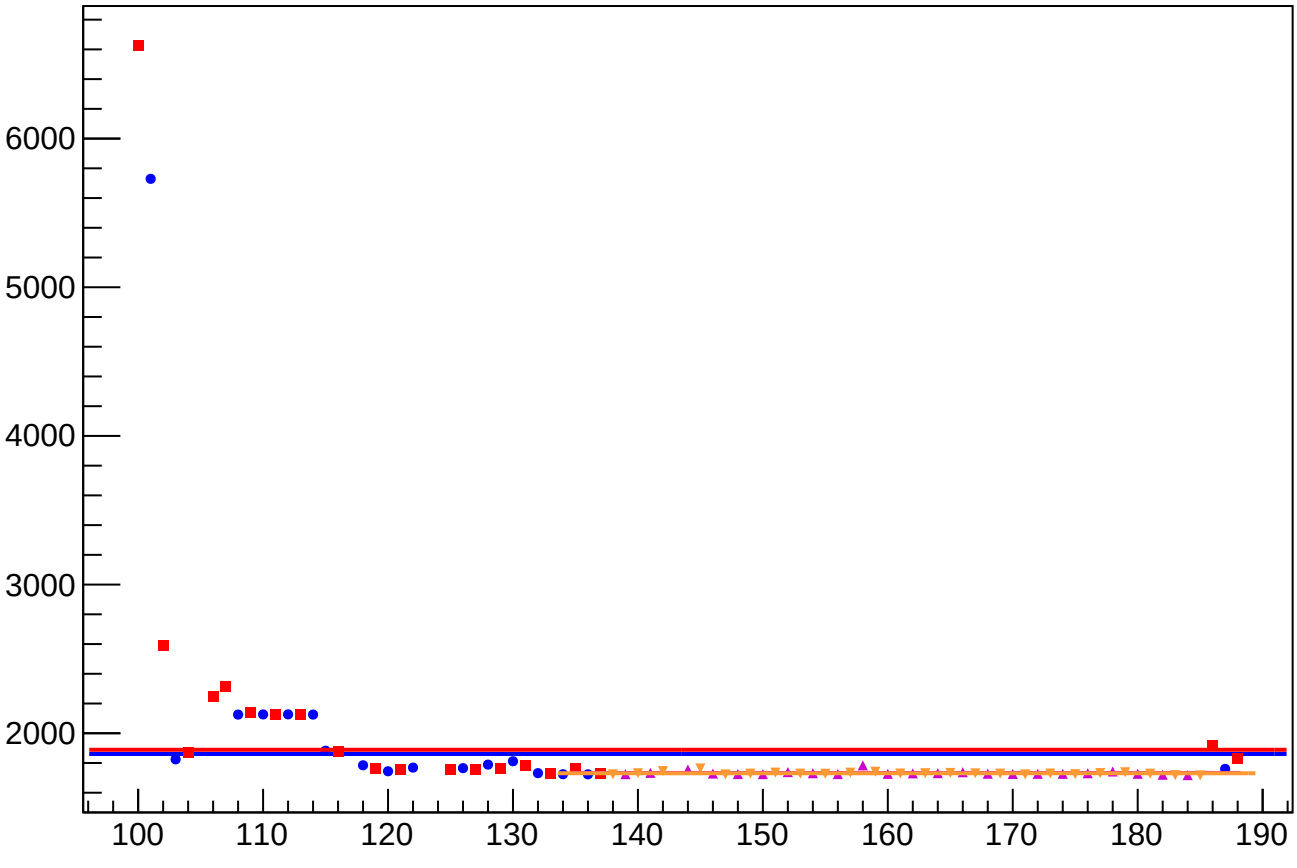
Right: 1491.149+/-0.280 χ^2/NDF: 3066034.9/36

In: 972.016+/-0.140 χ^2/NDF:3277697.3/39

Out: 980.145+/-0.140 χ^2/NDF:4611078.4/43

All: 976.095+/-0.099 χ^2/NDF: 7890458.1/83


eigen_cor_asym_us_dd_at1lr_dd_dd_mean vs Slug, Sign Corrected
60000
50000
40000
30000
20000
10000
0
−10000
100
110
120
130
140
150
160
170
180
190
Right In: -261.503+/-698.522 χ²/NDF: 15.9/16
Left Out: 519.957+/-401.705 χ²/NDF:20.8/23
Right Out: 313.497+/-650.258 χ²/NDF: 17.0/19
Left In: 126.091+/-404.630 χ²/NDF:29.5/22
Left: 324.453+/-285.077 χ²/NDF: 50.7/46
Right: 46.546+/-475.951 χ²/NDF: 33.3/36
In: 28.711+/-350.129 χ²/NDF:45.6/39
Out: 462.929+/-341.752 χ²/NDF:37.9/43
All: 251.076+/-244.563 χ²/NDF: 84.3/83



Right In: 1860.505+/-0.494 χ^2/NDF: 675930.0/16

Left Out: 1730.847+/-0.284 χ^2/NDF:969.7/23

Right Out: 1888.823+/-0.460 χ^2/NDF: 261458.0/19

Left In: 1733.007+/-0.286 χ^2/NDF:2237.4/22

Left: 1731.919+/-0.202 χ^2/NDF: 3235.8/46

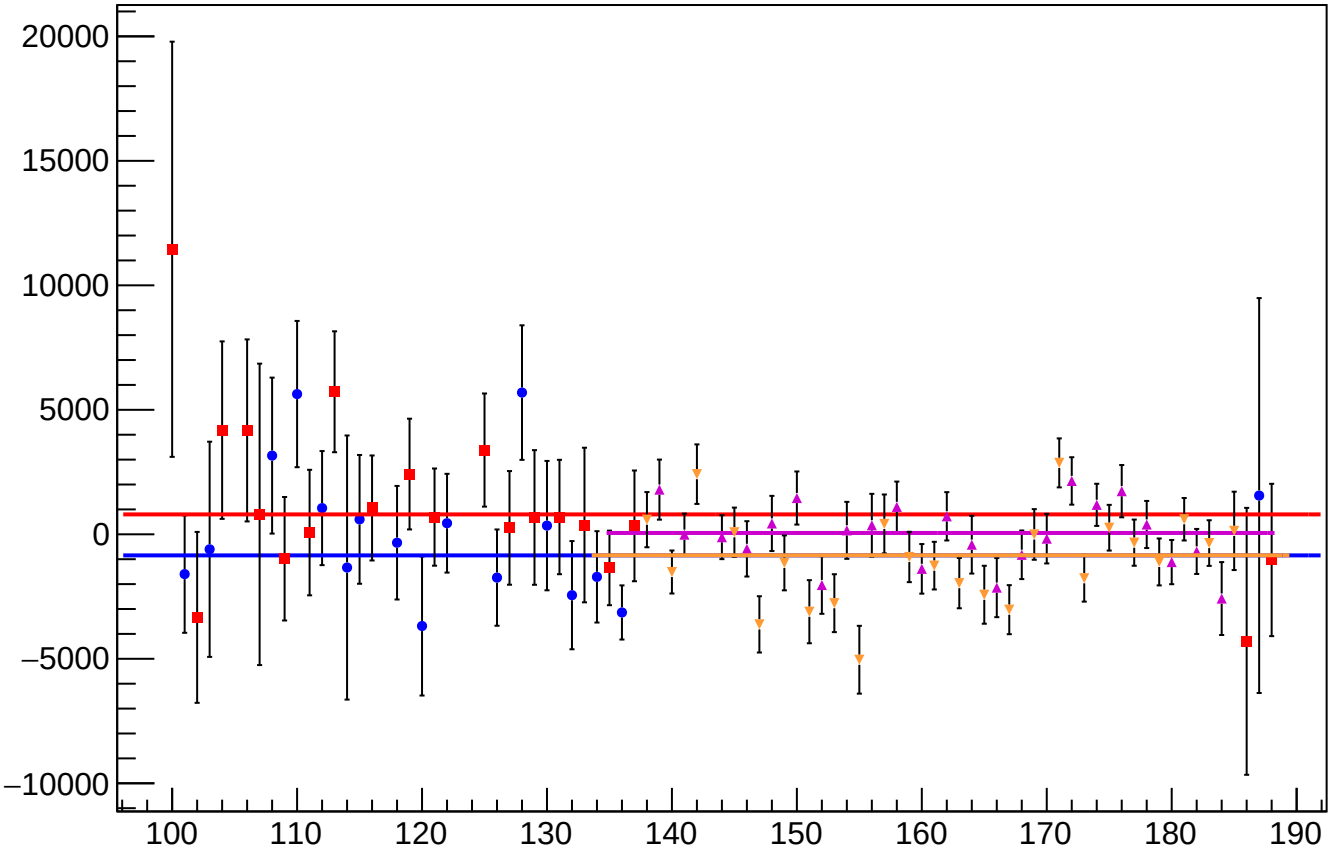
Right: 1875.676+/-0.337 χ^2/NDF: 939148.9/36

In: 1765.040+/-0.248 χ^2/NDF:728057.6/39

Out: 1774.483+/-0.242 χ^2/NDF:347865.3/43

All: 1769.876+/-0.173 χ^2/NDF: 1076667.9/83

asym_us_dd_at1lr_dd_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -846.567+/-548.432 χ^2/NDF: 20.7/16

Left Out: -842.473+/-210.853 χ^2/NDF:62.7/23

Right Out: 799.580+/-571.208 χ^2/NDF: 14.8/19

Left In: 53.927+/-212.965 χ^2/NDF:30.6/22

Left: -398.741+/-149.837 χ^2/NDF: 102.3/46

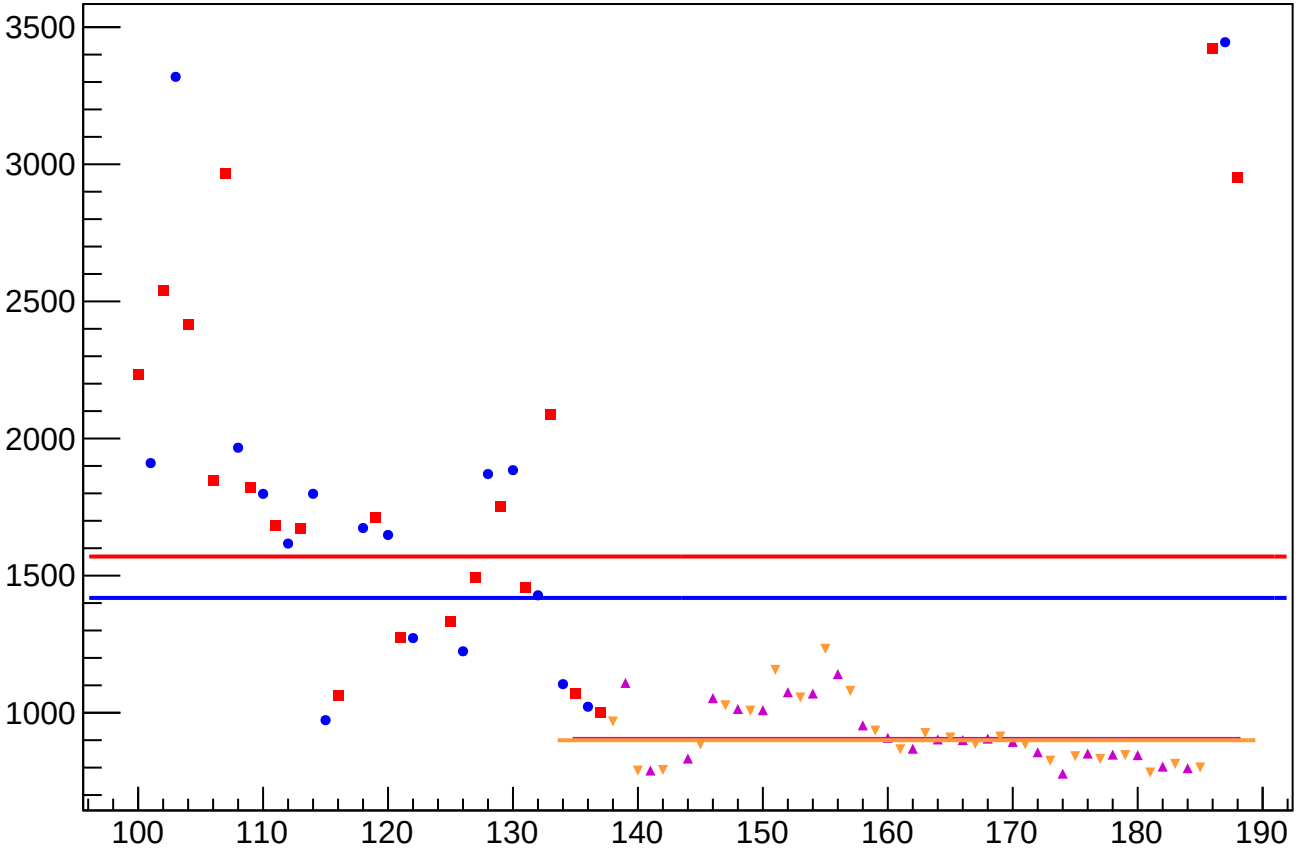
Right: -56.967+/-395.607 χ^2/NDF: 39.9/36

In: -64.066+/-198.523 χ^2/NDF:53.7/39

Out: -645.558+/-197.806 χ^2/NDF:84.8/43

All: -355.863+/-140.123 χ^2/NDF: 142.8/83

asym_us_dd_at1lr_dd_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1418.755+/-0.388 χ^2/NDF: 1298267.3/16

Left Out: 899.814+/-0.149 χ^2/NDF:495276.2/23

Right Out: 1569.680+/-0.404 χ^2/NDF: 1695116.5/19

Left In: 904.653+/-0.151 χ^2/NDF:452259.2/22

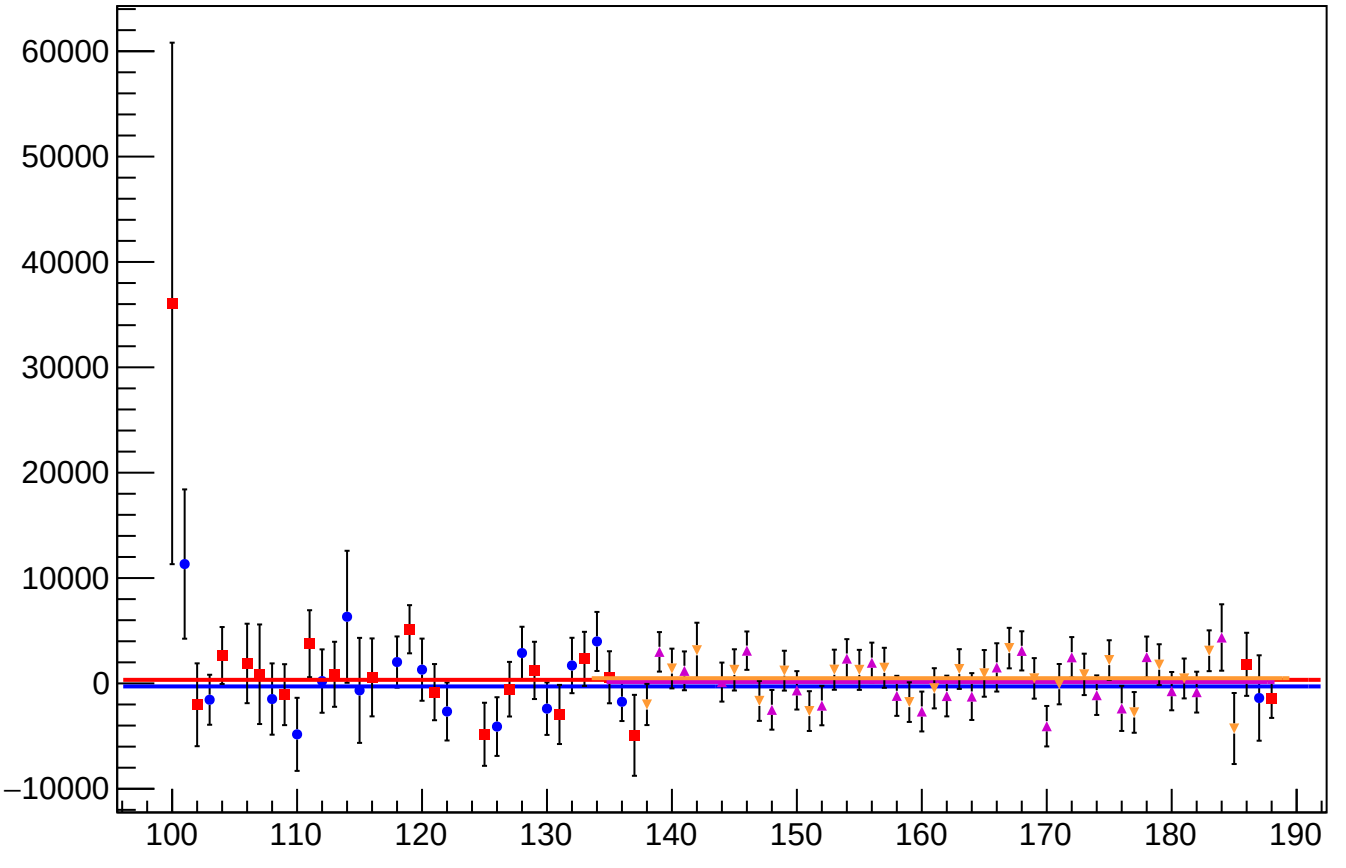
Left: 902.209+/-0.106 χ^2/NDF: 948056.7/46

Right: 1491.149+/-0.280 χ^2/NDF: 3066034.9/36

In: 972.016+/-0.140 χ^2/NDF:3277697.3/39

Out: 980.145+/-0.140 χ^2/NDF:4611078.4/43

All: 976.095+/-0.099 χ^2/NDF: 7890458.1/83



Right In: -285.746+/-699.326 χ^2/NDF: 15.7/16

Left Out: 494.897+/-402.069 χ^2/NDF:20.1/23

Right Out: 339.388+/-652.197 χ^2/NDF: 17.6/19

Left In: 137.162+/-404.995 χ^2/NDF:29.6/22

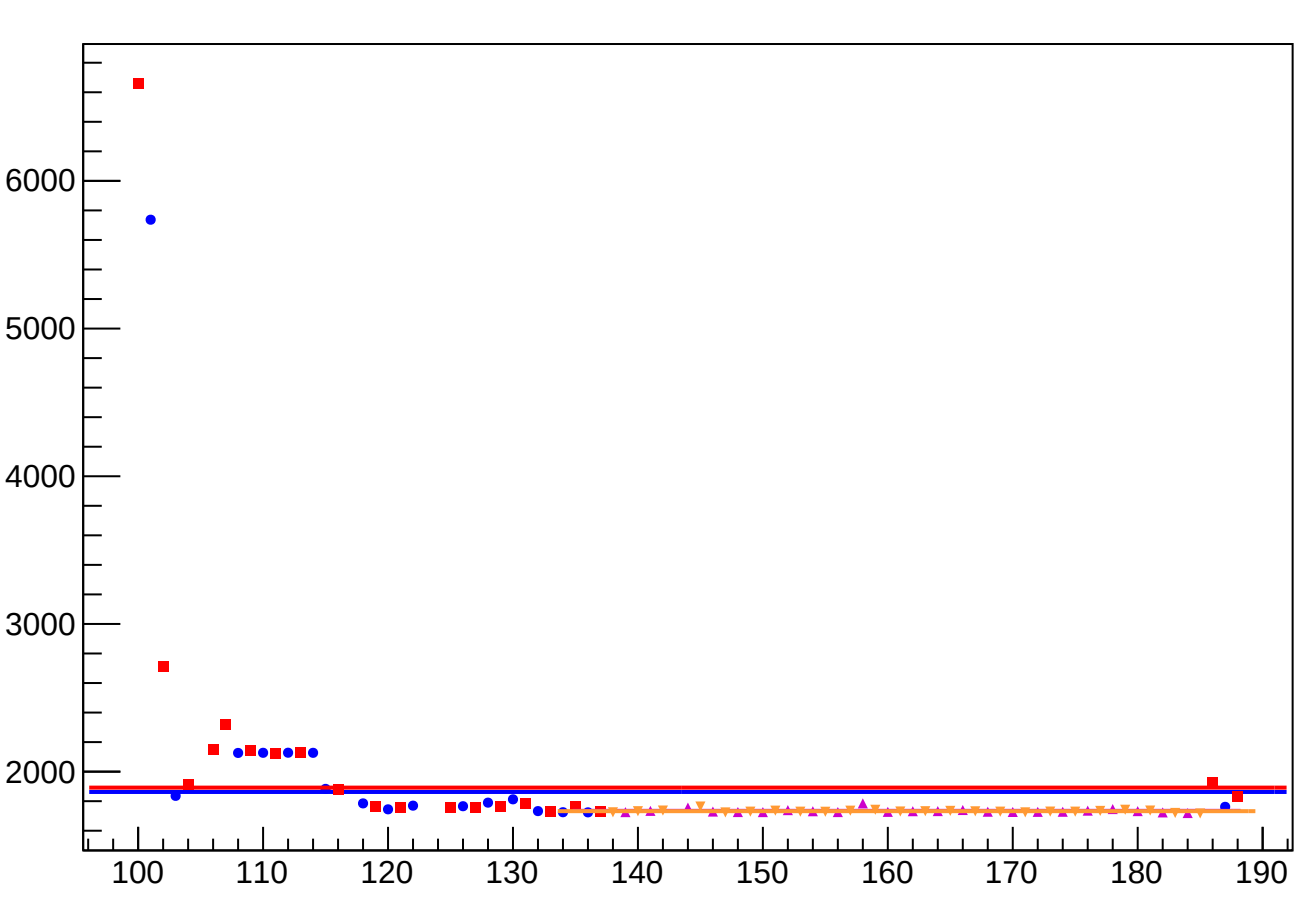
Left: 317.326+/-285.335 χ^2/NDF: 50.0/46

Right: 48.594+/-476.965 χ^2/NDF: 33.7/36

In: 30.949+/-350.467 χ^2/NDF:45.6/39

Out: 452.072+/-342.257 χ^2/NDF:37.7/43

All: 246.500+/-244.863 χ^2/NDF: 84.0/83



Right In: 1862.353+/-0.494 χ^2/NDF: 676259.5/16

Left Out: 1732.389+/-0.284 χ^2/NDF:910.8/23

Right Out: 1891.846+/-0.461 χ^2/NDF: 271573.5/19

Left In: 1734.568+/-0.286 χ^2/NDF:2215.7/22

Left: 1733.471+/-0.202 χ^2/NDF: 3155.7/46

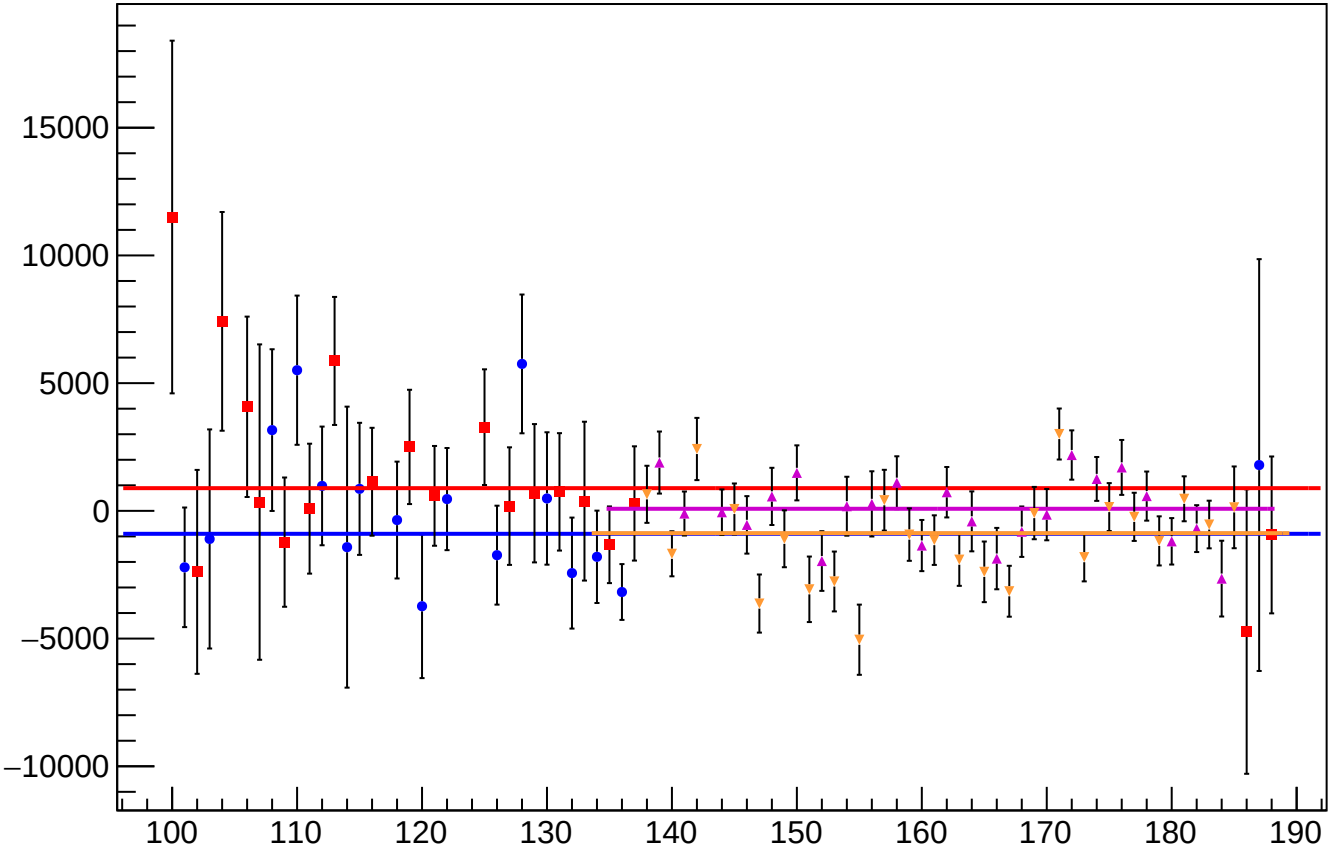
Right: 1878.127+/-0.337 χ^2/NDF: 949735.5/36

In: 1766.661+/-0.248 χ^2/NDF:728481.7/39

Out: 1776.302+/-0.242 χ^2/NDF:359113.8/43

All: 1771.596+/-0.173 χ^2/NDF: 1088370.0/83

asym_us_dd_at1lr_dd_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: -898.387+/-549.555 χ^2/NDF: 21.1/16

Left Out: -872.827+/-214.008 χ^2/NDF:62.0/23

Right Out: 888.822+/-577.784 χ^2/NDF: 16.4/19

Left In: 81.519+/-215.913 χ^2/NDF:30.0/22

Left: -399.884+/-151.996 χ^2/NDF: 101.8/46

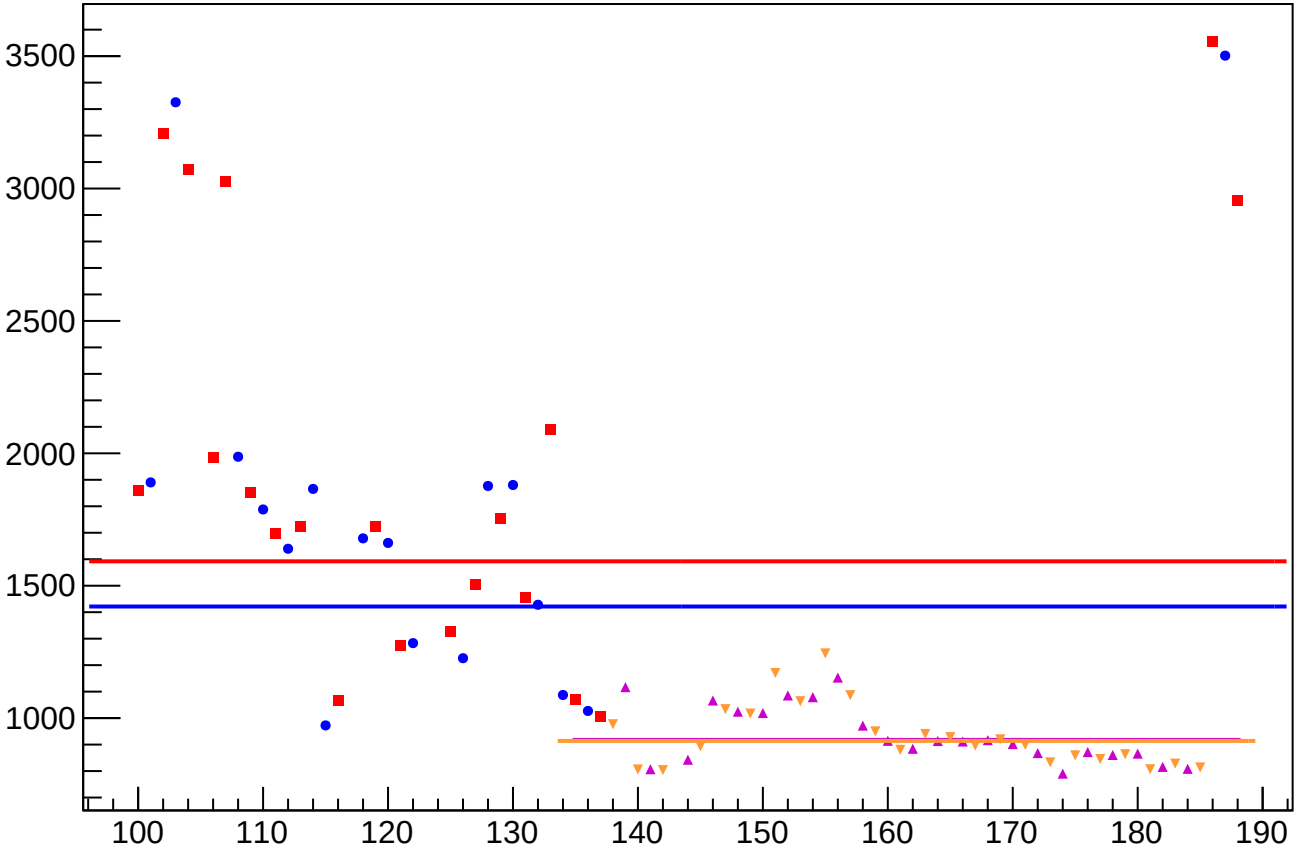
Right: -49.508+/-398.200 χ^2/NDF: 42.5/36

In: -49.514+/-200.960 χ^2/NDF:53.8/39

Out: -660.301+/-200.684 χ^2/NDF:86.5/43

All: -355.326+/-142.002 χ^2/NDF: 145.0/83

asym_us_dd_at1lr_dd_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 1421.462+/-0.389 χ^2/NDF: 1311573.6/16

Left Out: 913.899+/-0.151 χ^2/NDF:462850.2/23

Right Out: 1592.088+/-0.409 χ^2/NDF: 2033597.8/19

Left In: 917.674+/-0.153 χ^2/NDF:430498.5/22

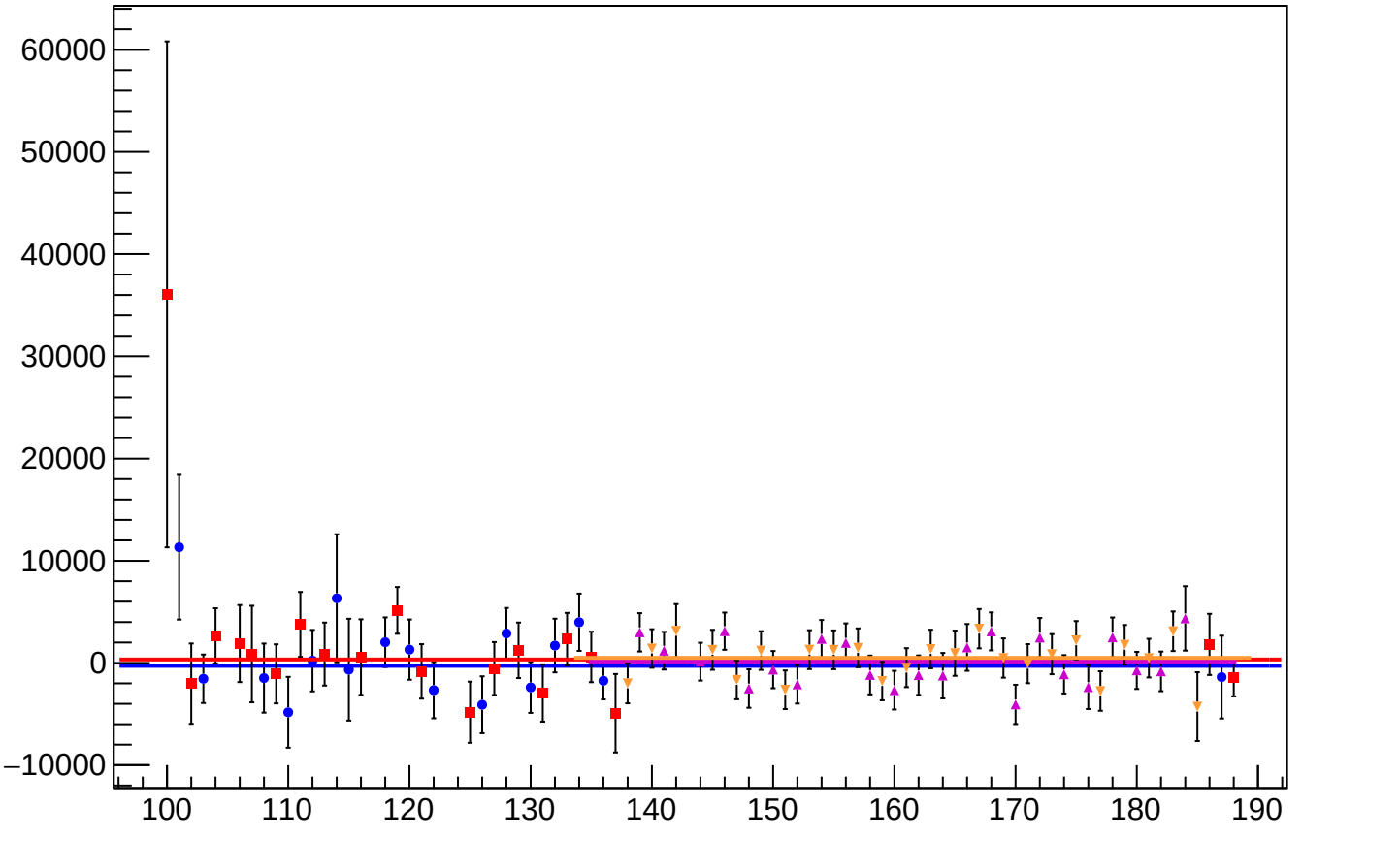
Left: 915.770+/-0.107 χ^2/NDF: 893657.1/46

Right: 1502.505+/-0.282 χ^2/NDF: 3436745.3/36

In: 985.040+/-0.142 χ^2/NDF:3198072.6/39

Out: 995.716+/-0.142 χ^2/NDF:4919523.6/43

All: 990.385+/-0.100 χ^2/NDF: 8120422.1/83



Right In: -285.745+/-699.326 χ^2/NDF: 15.7/16

Left Out: 494.897+/-402.069 χ^2/NDF:20.1/23

Right Out: 339.388+/-652.197 χ^2/NDF: 17.6/19

Left In: 137.163+/-404.995 χ^2/NDF:29.6/22

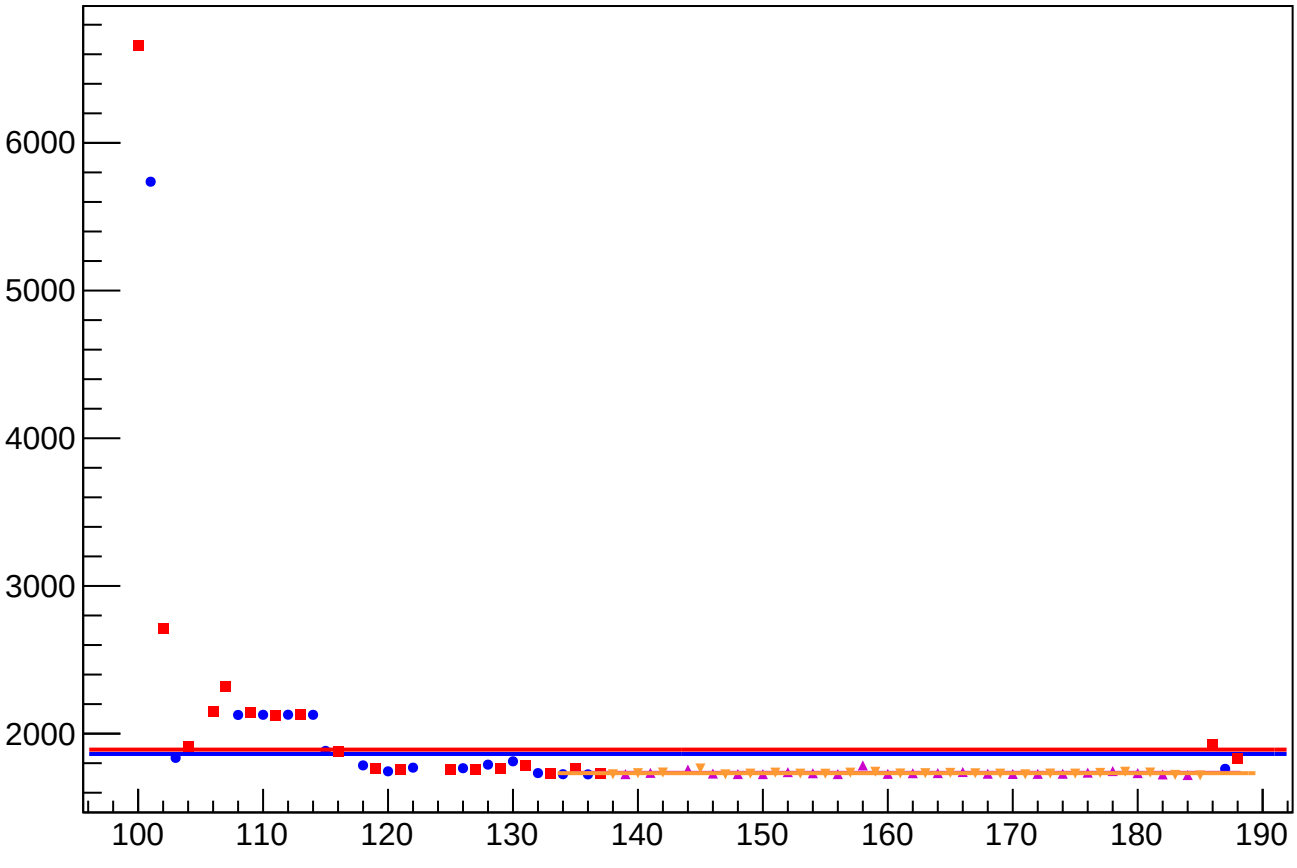
Left: 317.327+/-285.335 χ^2/NDF: 50.0/46

Right: 48.594+/-476.965 χ^2/NDF: 33.7/36

In: 30.949+/-350.467 χ^2/NDF:45.6/39

Out: 452.071+/-342.257 χ^2/NDF:37.7/43

All: 246.500+/-244.863 χ^2/NDF: 84.0/83



Right In: 1862.353+/-0.494 χ^2/NDF: 676259.6/16

Left Out: 1732.389+/-0.284 χ^2/NDF:910.8/23

Right Out: 1891.846+/-0.461 χ^2/NDF: 271573.3/19

Left In: 1734.568+/-0.286 χ^2/NDF:2215.7/22

Left: 1733.471+/-0.202 χ^2/NDF: 3155.7/46

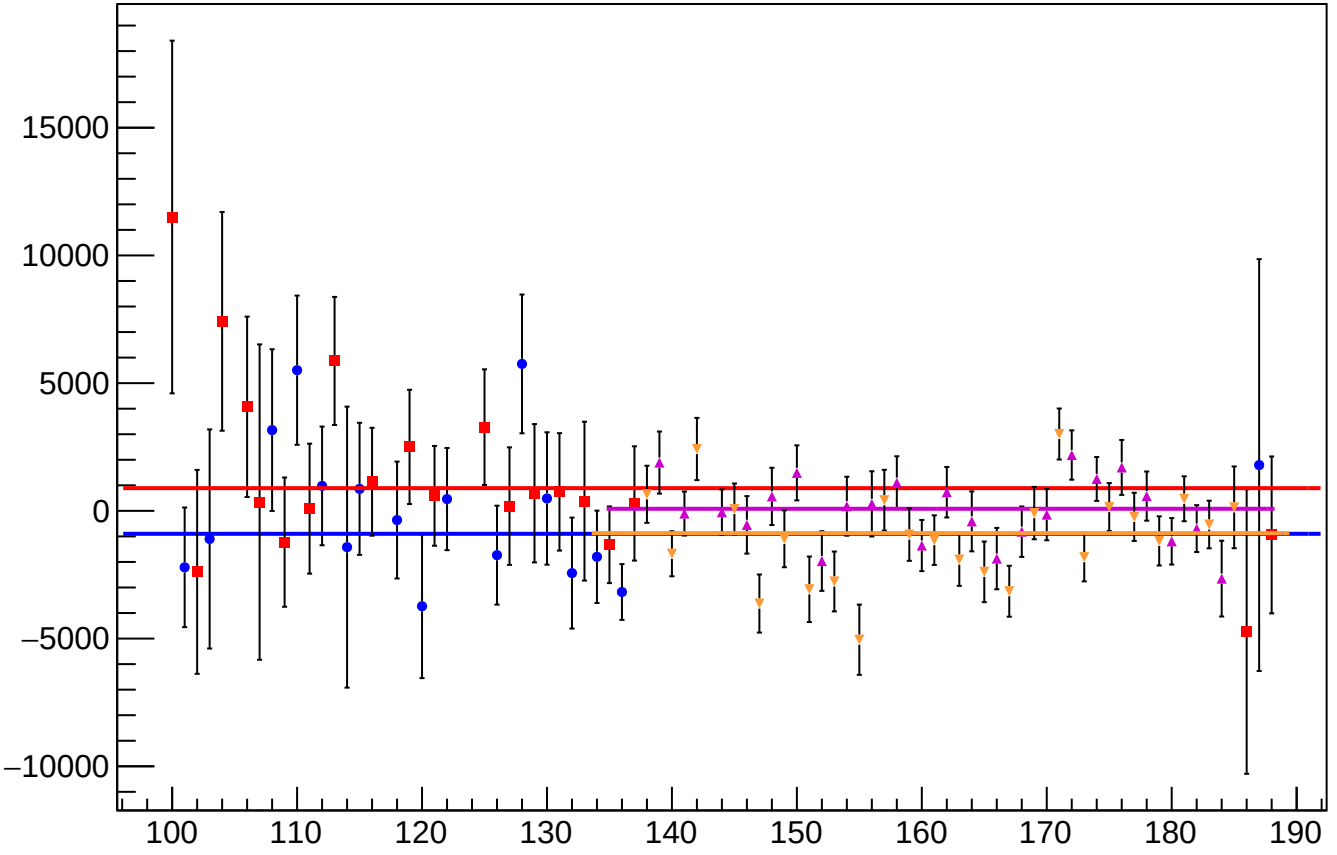
Right: 1878.127+/-0.337 χ^2/NDF: 949735.3/36

In: 1766.661+/-0.248 χ^2/NDF:728481.7/39

Out: 1776.302+/-0.242 χ^2/NDF:359113.5/43

All: 1771.596+/-0.173 χ^2/NDF: 1088369.7/83

asym_us_dd_at1lr_dd_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -898.382+/-549.553 χ^2/NDF: 21.1/16

Left Out: -872.826+/-214.008 χ^2/NDF:62.0/23

Right Out: 888.820+/-577.783 χ^2/NDF: 16.4/19

Left In: 81.518+/-215.913 χ^2/NDF:30.0/22

Left: -399.884+/-151.996 χ^2/NDF: 101.8/46

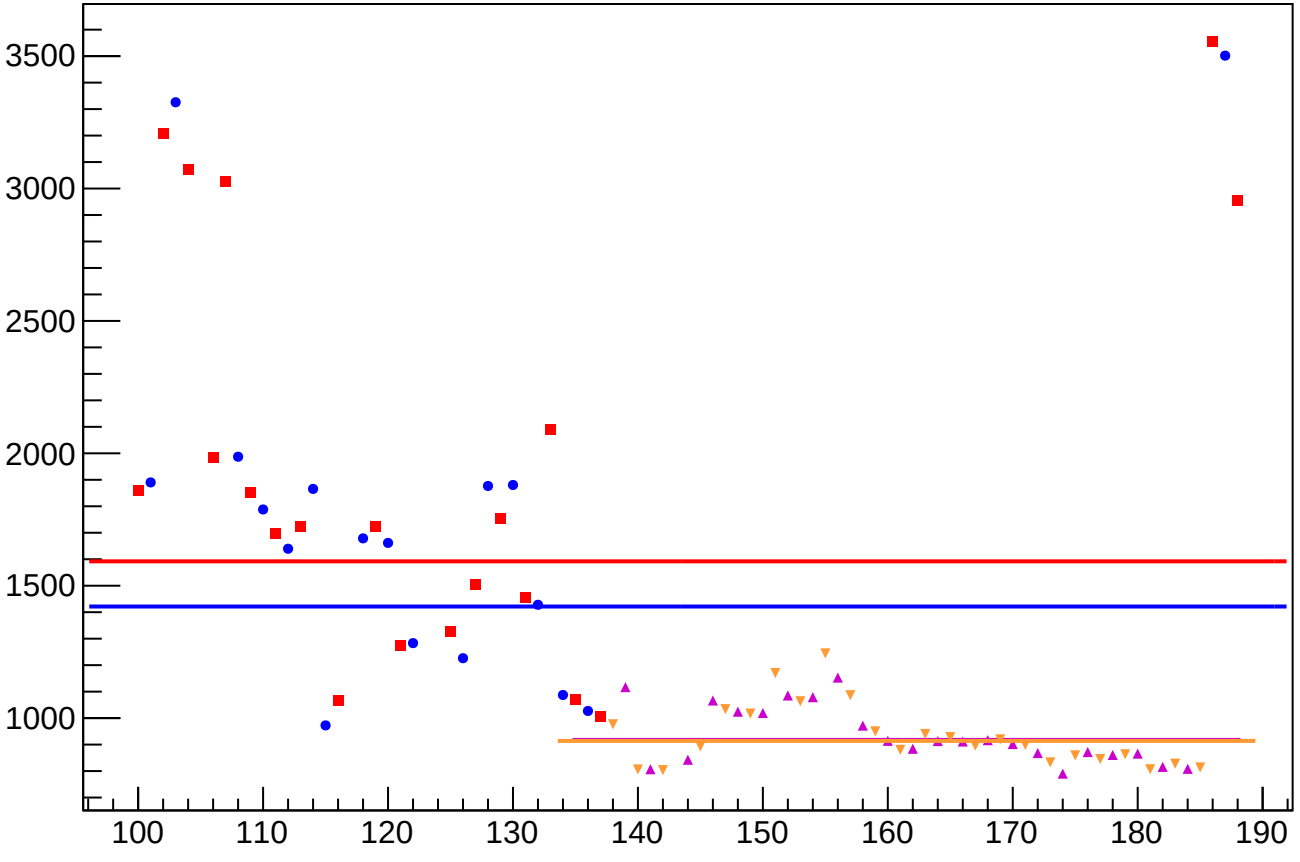
Right: -49.507+/-398.199 χ^2/NDF: 42.5/36

In: -49.515+/-200.959 χ^2/NDF:53.8/39

Out: -660.300+/-200.684 χ^2/NDF:86.5/43

All: -355.326+/-142.002 χ^2/NDF: 145.0/83

asym_us_dd_at1lr_dd_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1421.458+/-0.389 χ^2/NDF: 1311574.1/16

Left Out: 913.898+/-0.151 χ^2/NDF:462858.6/23

Right Out: 1592.085+/-0.409 χ^2/NDF: 2033603.1/19

Left In: 917.674+/-0.153 χ^2/NDF:430509.1/22

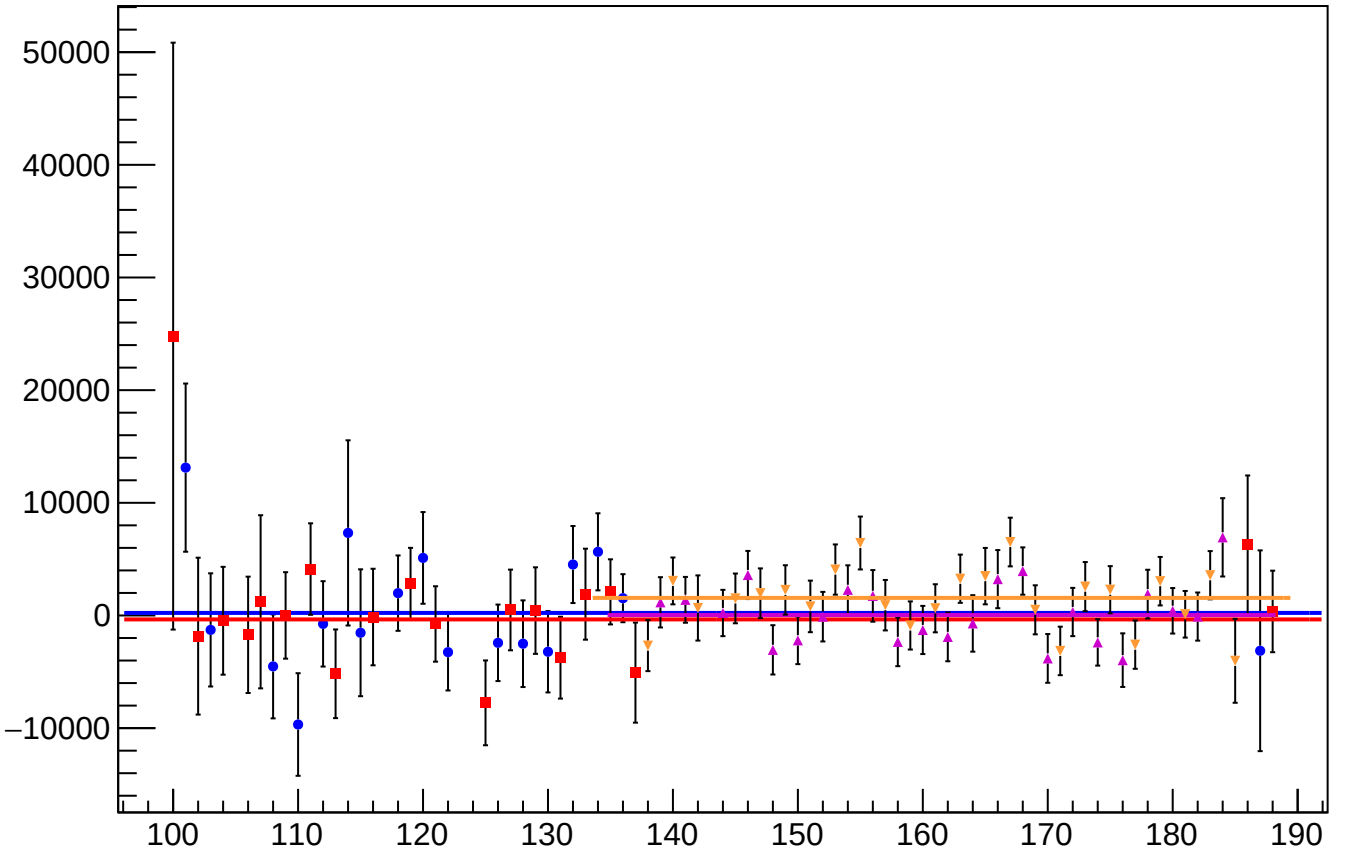
Left: 915.769+/-0.107 χ^2/NDF: 893676.2/46

Right: 1502.502+/-0.282 χ^2/NDF: 3436752.0/36

In: 985.040+/-0.142 χ^2/NDF:3198073.2/39

Out: 995.715+/-0.142 χ^2/NDF:4919527.0/43

All: 990.385+/-0.100 χ^2/NDF: 8120426.1/83



Right In: 226.839+/-936.759 χ^2/NDF: 19.2/16

Left Out: 1561.357+/-456.883 χ^2/NDF:31.2/23

Right Out: -349.855+/-920.151 χ^2/NDF: 13.0/19

Left In: 39.885+/-459.938 χ^2/NDF:27.8/22

Left: 805.690+/-324.140 χ^2/NDF: 64.6/46

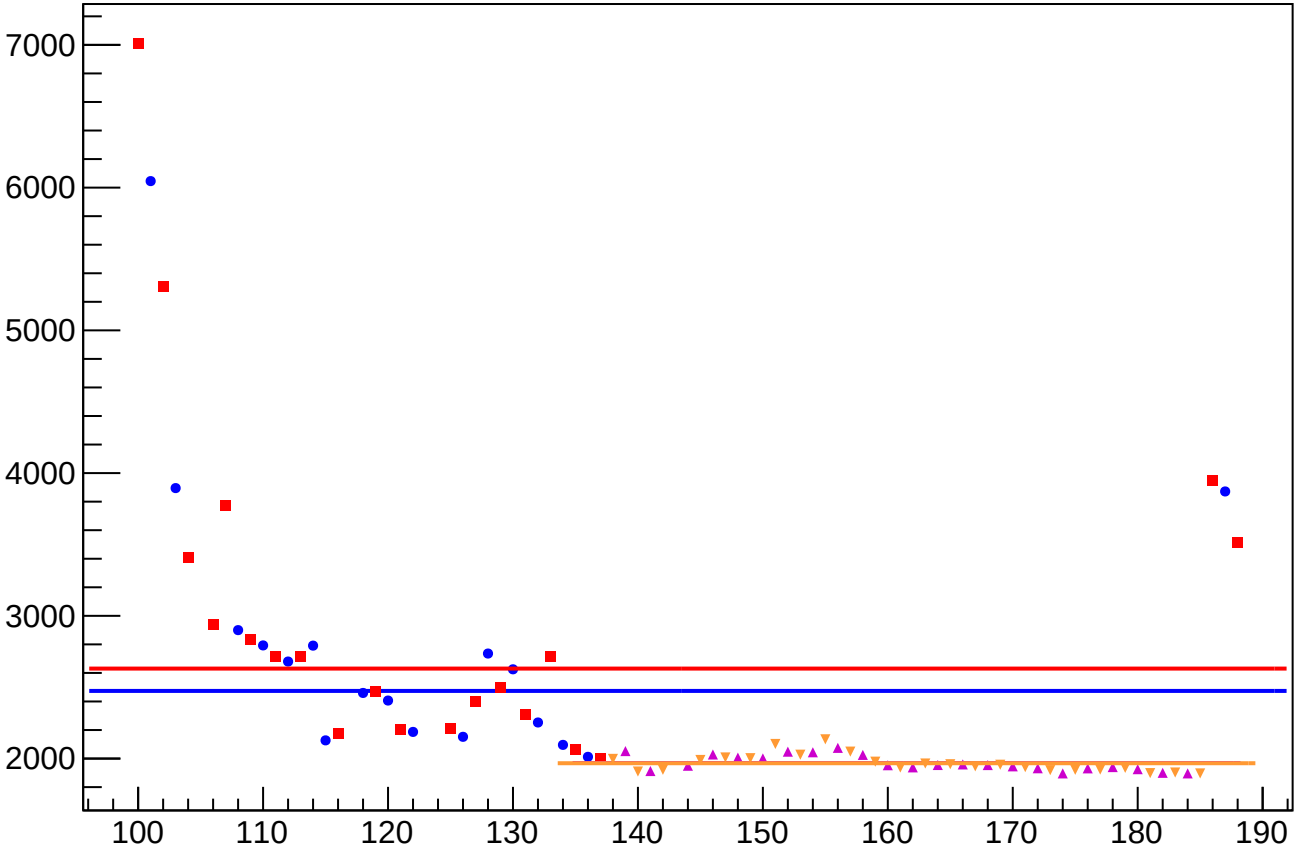
Right: -66.665+/-656.438 χ^2/NDF: 32.3/36

In: 76.199+/-412.858 χ^2/NDF:47.0/39

Out: 1183.356+/-409.215 χ^2/NDF:47.7/43

All: 634.684+/-290.638 χ^2/NDF: 98.3/83

asym_us_dd_at1lr_dd_dd_rms vs Slug, Sign Corrected



Right In: 2473.952+/-0.662 χ^2/NDF: 882641.7/16

Left Out: 1967.416+/-0.323 χ^2/NDF:34217.6/23

Right Out: 2630.477+/-0.651 χ^2/NDF: 903244.6/19

Left In: 1969.022+/-0.325 χ^2/NDF:26523.0/22

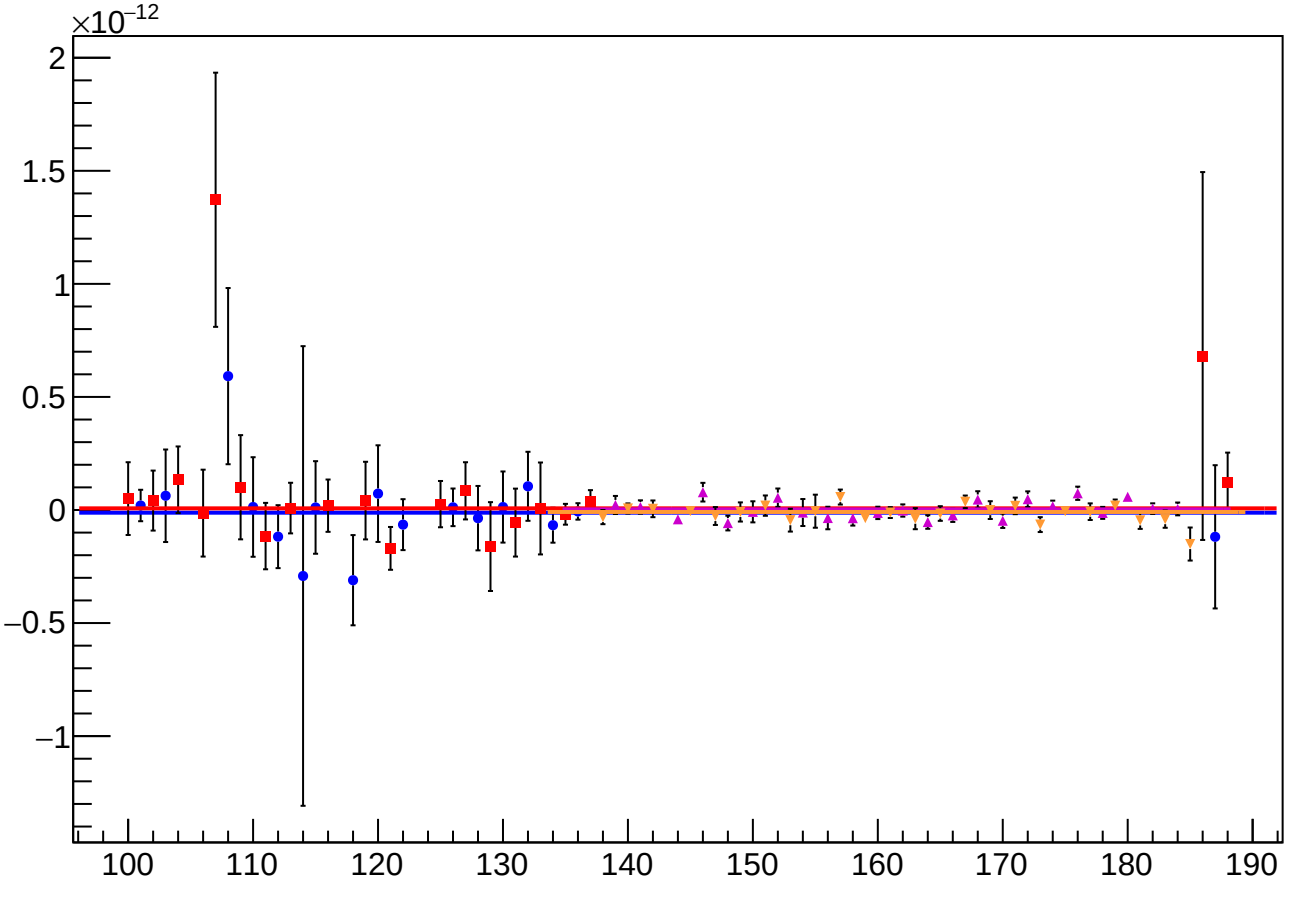
Left: 1968.213+/-0.229 χ^2/NDF: 60752.9/46

Right: 2553.615+/-0.464 χ^2/NDF: 1814305.4/36

In: 2067.101+/-0.292 χ^2/NDF:1377375.2/39

Out: 2098.557+/-0.289 χ^2/NDF:1770596.6/43

All: 2082.969+/-0.206 χ^2/NDF: 3153828.2/83



Right In: -0.000+/-0.000 χ^2/NDF: 7.4/16

Left Out: -0.000+/-0.000 χ^2/NDF:20.8/23

Right Out: 0.000+/-0.000 χ^2/NDF: 14.7/19

Left In: 0.000+/-0.000 χ^2/NDF:38.9/22

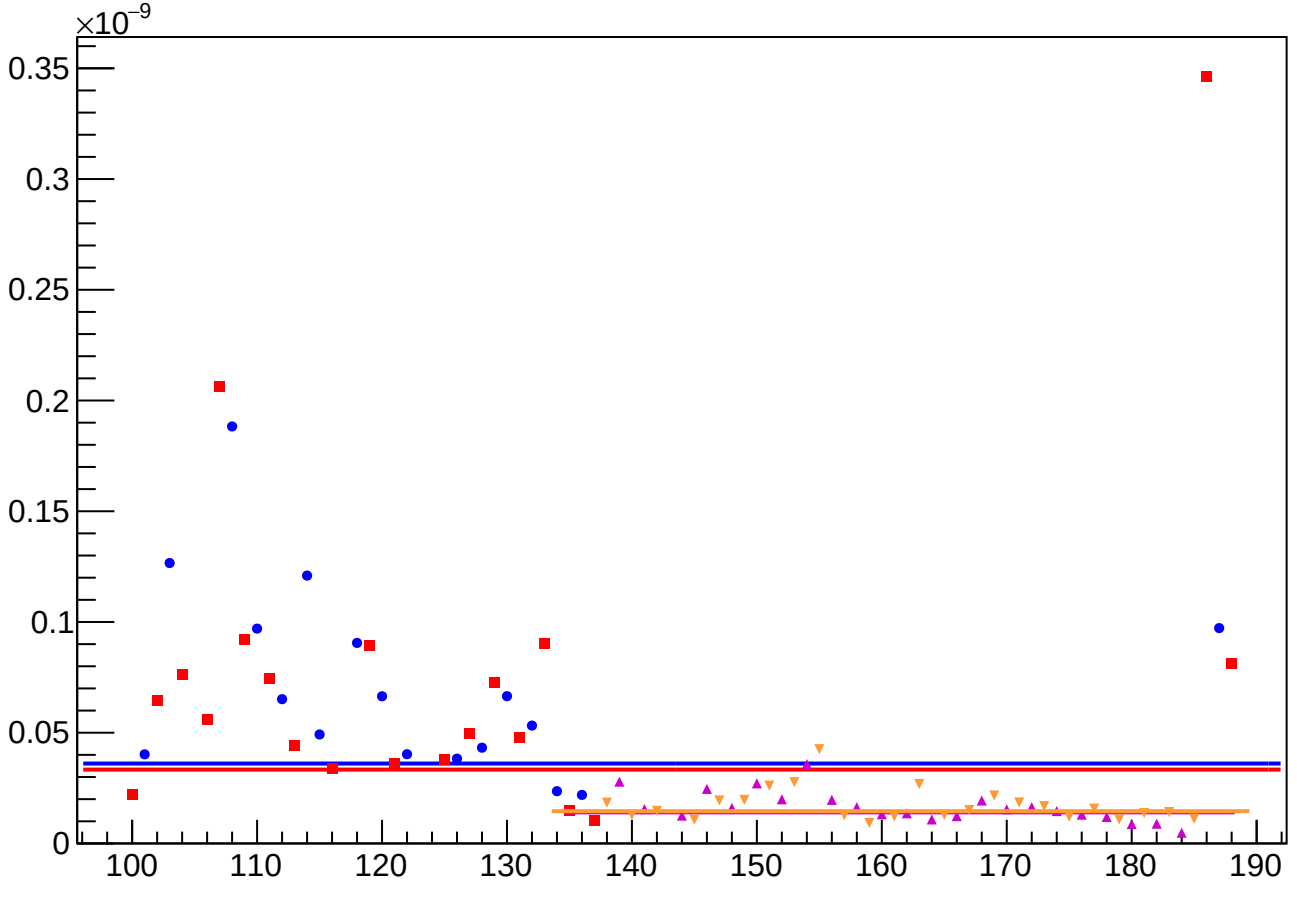
Left: -0.000+/-0.000 χ^2/NDF: 61.3/46

Right: -0.000+/-0.000 χ^2/NDF: 22.5/36

In: 0.000+/-0.000 χ^2/NDF:46.7/39

Out: -0.000+/-0.000 χ^2/NDF:35.9/43

All: -0.000+/-0.000 χ^2/NDF: 83.8/83



Right In: 0.000+/-0.000 χ^2/NDF: 1695225.2/16

Left Out: 0.000+/-0.000 χ^2/NDF:1178225.5/23

Right Out: 0.000+/-0.000 χ^2/NDF: 2647881.8/19

Left In: 0.000+/-0.000 χ^2/NDF:1430937.9/22

Left: 0.000+/-0.000 χ^2/NDF: 2616610.3/46

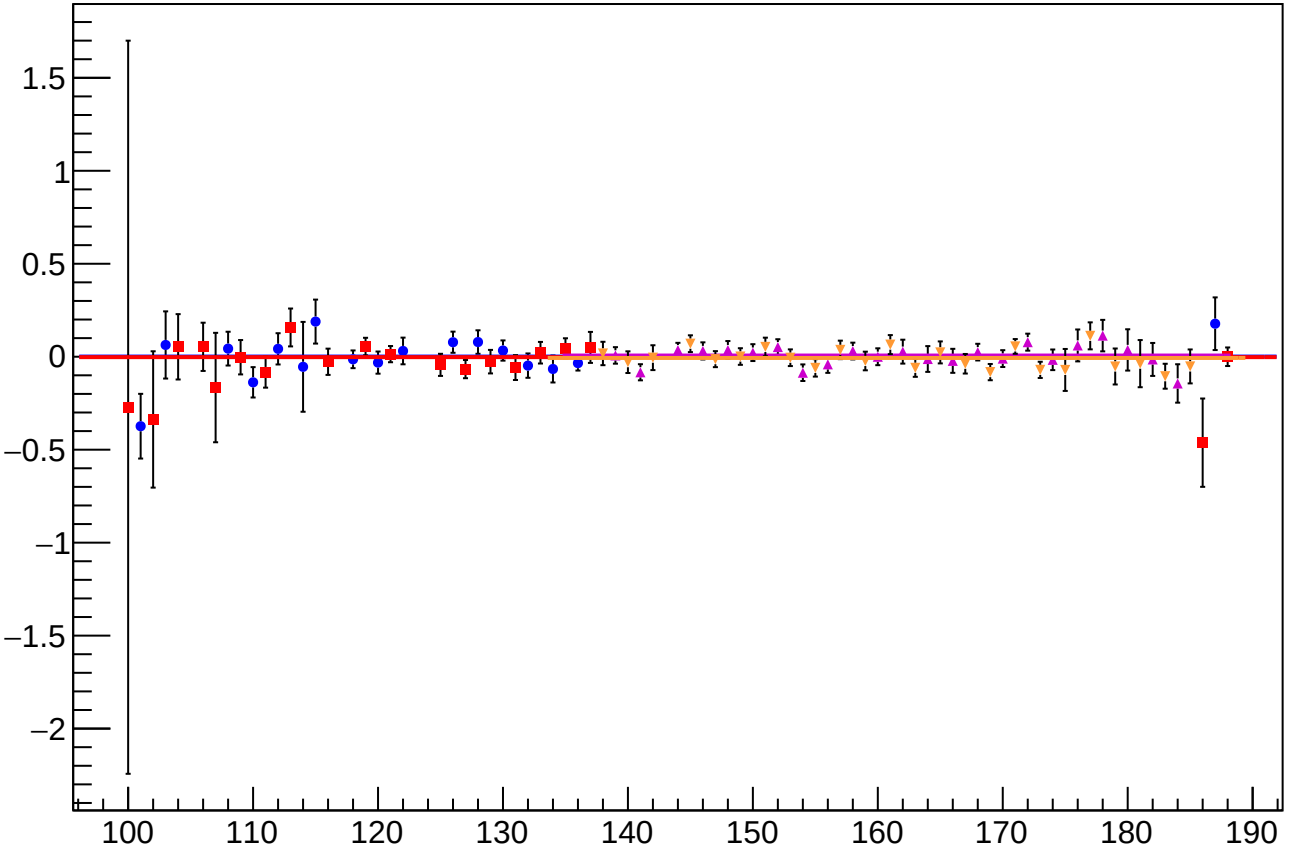
Right: 0.000+/-0.000 χ^2/NDF: 4355840.2/36

In: 0.000+/-0.000 χ^2/NDF:4649997.3/39

Out: 0.000+/-0.000 χ^2/NDF:4972284.0/43

All: 0.000+/-0.000 χ^2/NDF: 9627533.4/83

asym_us_dd_at1lr_dd_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.001+/-0.017 χ^2/NDF: 18.7/16

Left Out: -0.007+/-0.011 χ^2/NDF:23.9/23

Right Out: -0.002+/-0.016 χ^2/NDF: 14.7/19

Left In: 0.006+/-0.011 χ^2/NDF:20.1/22

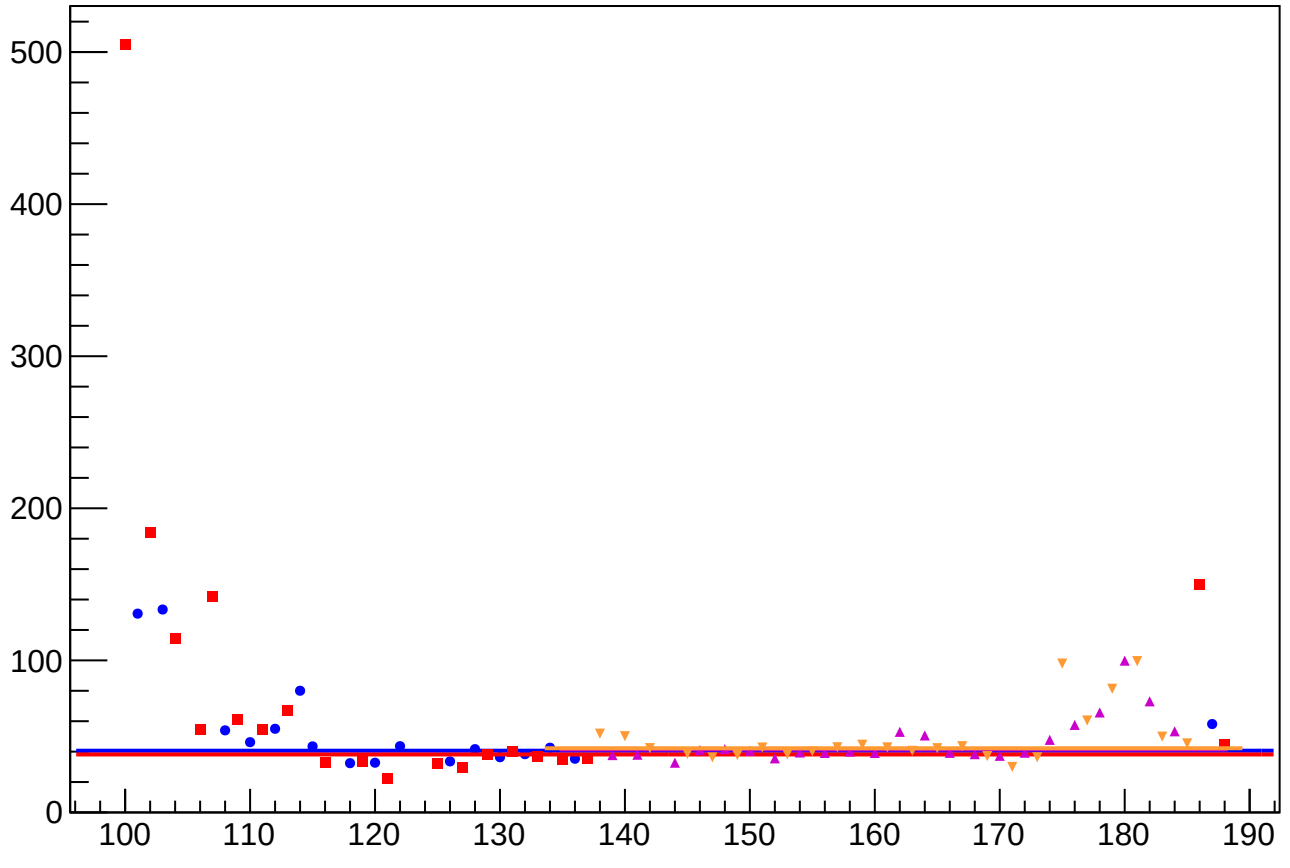
Left: -0.000+/-0.008 χ^2/NDF: 44.7/46

Right: -0.001+/-0.012 χ^2/NDF: 33.4/36

In: 0.005+/-0.009 χ^2/NDF:38.8/39

Out: -0.005+/-0.009 χ^2/NDF:38.7/43

All: -0.000+/-0.006 χ^2/NDF: 78.1/83



Right In: 40.607+/-0.012 χ^2/NDF: 1441253.0/16

Left Out: 42.208+/-0.008 χ^2/NDF:1819371.1/23

Right Out: 38.127+/-0.011 χ^2/NDF: 2329962.4/19

Left In: 41.421+/-0.008 χ^2/NDF:1412177.5/22

Left: 41.808+/-0.005 χ^2/NDF: 3236828.7/46

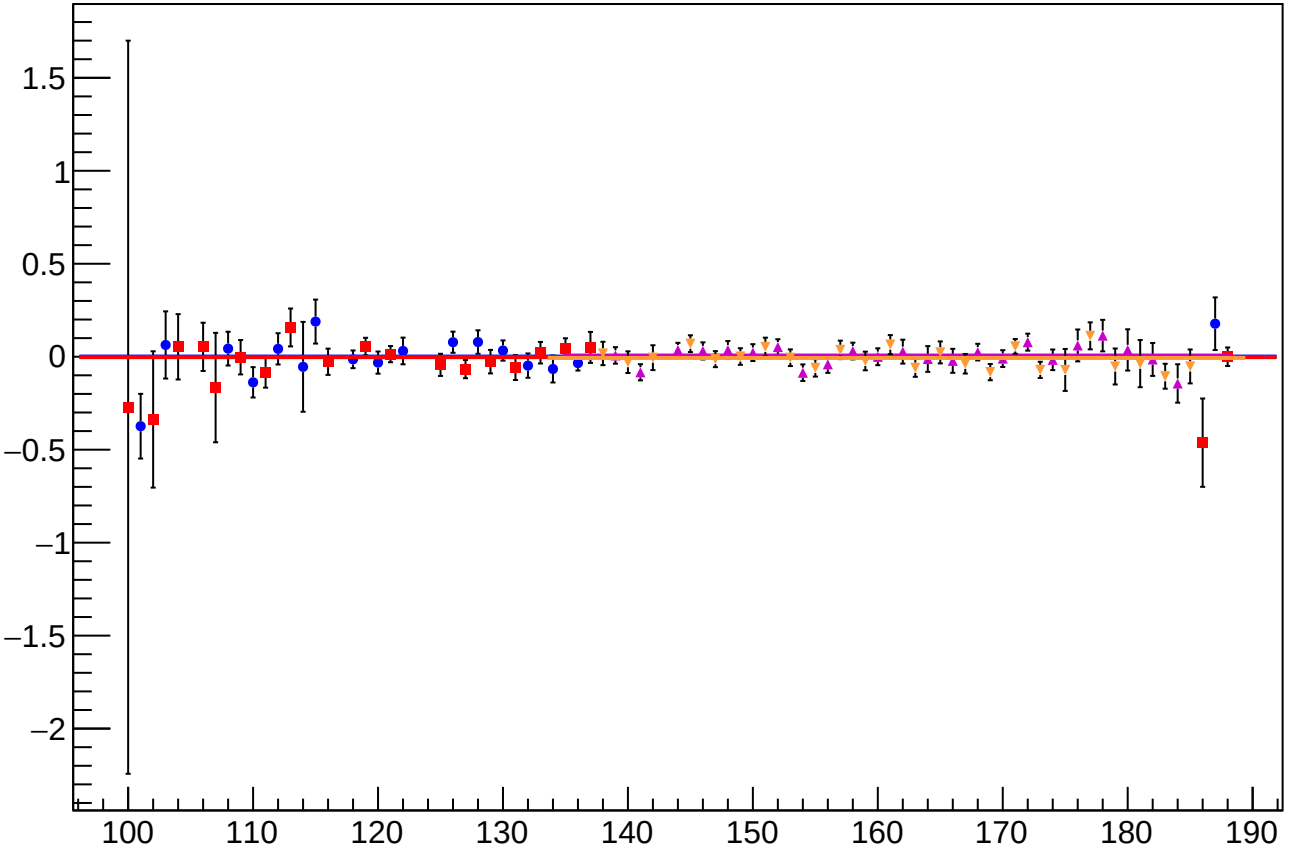
Right: 39.277+/-0.008 χ^2/NDF: 3794145.5/36

In: 41.188+/-0.006 χ^2/NDF:2856719.4/39

Out: 40.886+/-0.006 χ^2/NDF:4239840.6/43

All: 41.035+/-0.005 χ^2/NDF: 7097679.2/83

asym_us_dd_at1lr_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.001+/-0.017 χ^2/NDF: 18.7/16

Left Out: -0.007+/-0.011 χ^2/NDF:23.9/23

Right Out: -0.002+/-0.016 χ^2/NDF: 14.7/19

Left In: 0.006+/-0.011 χ^2/NDF:20.1/22

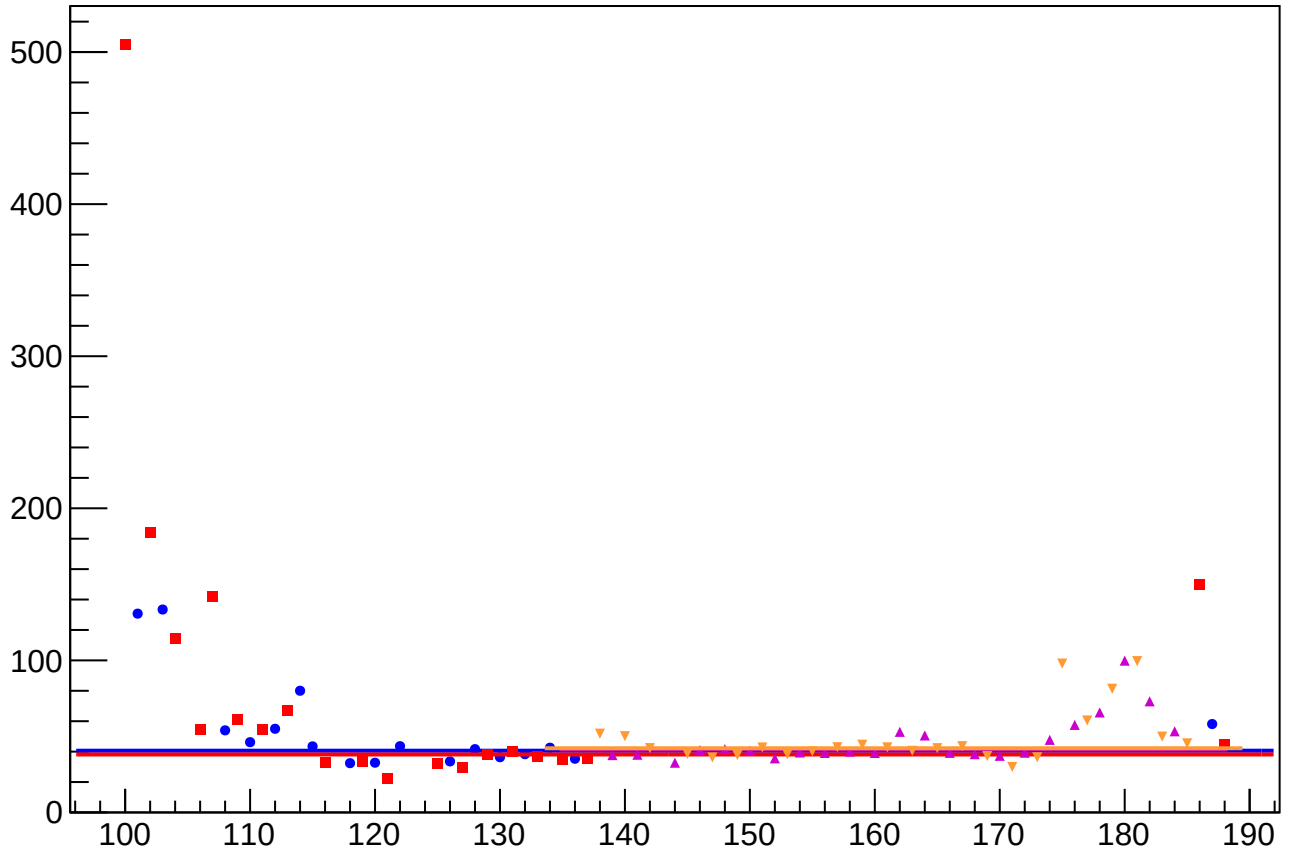
Left: -0.000+/-0.008 χ^2/NDF: 44.7/46

Right: -0.001+/-0.012 χ^2/NDF: 33.4/36

In: 0.005+/-0.009 χ^2/NDF:38.8/39

Out: -0.005+/-0.009 χ^2/NDF:38.7/43

All: -0.000+/-0.006 χ^2/NDF: 78.1/83



Right In: 40.607+/-0.012 χ^2/NDF: 1441253.0/16

Left Out: 42.208+/-0.008 χ^2/NDF:1819371.1/23

Right Out: 38.127+/-0.011 χ^2/NDF: 2329962.4/19

Left In: 41.421+/-0.008 χ^2/NDF:1412177.5/22

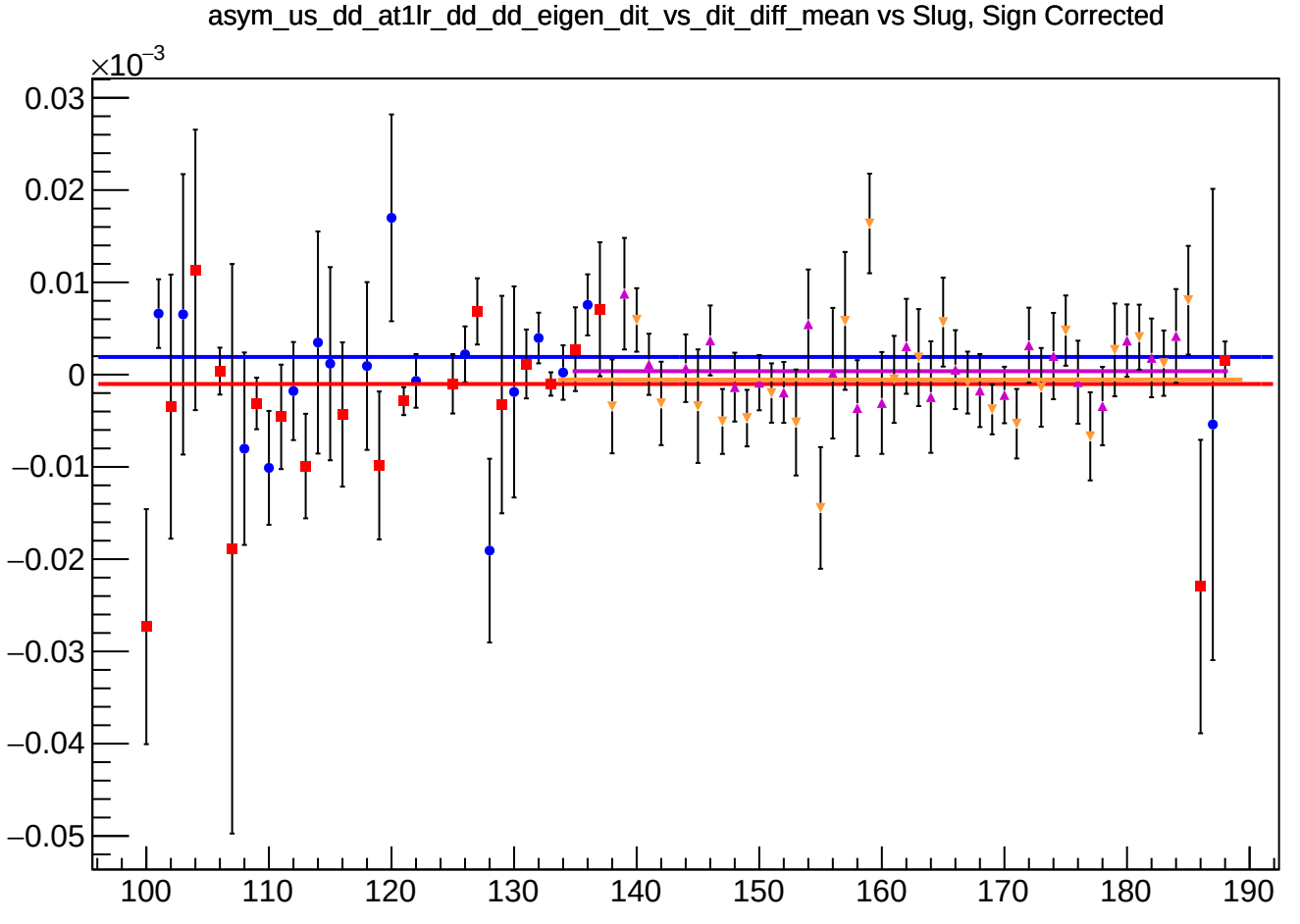
Left: 41.808+/-0.005 χ^2/NDF: 3236828.7/46

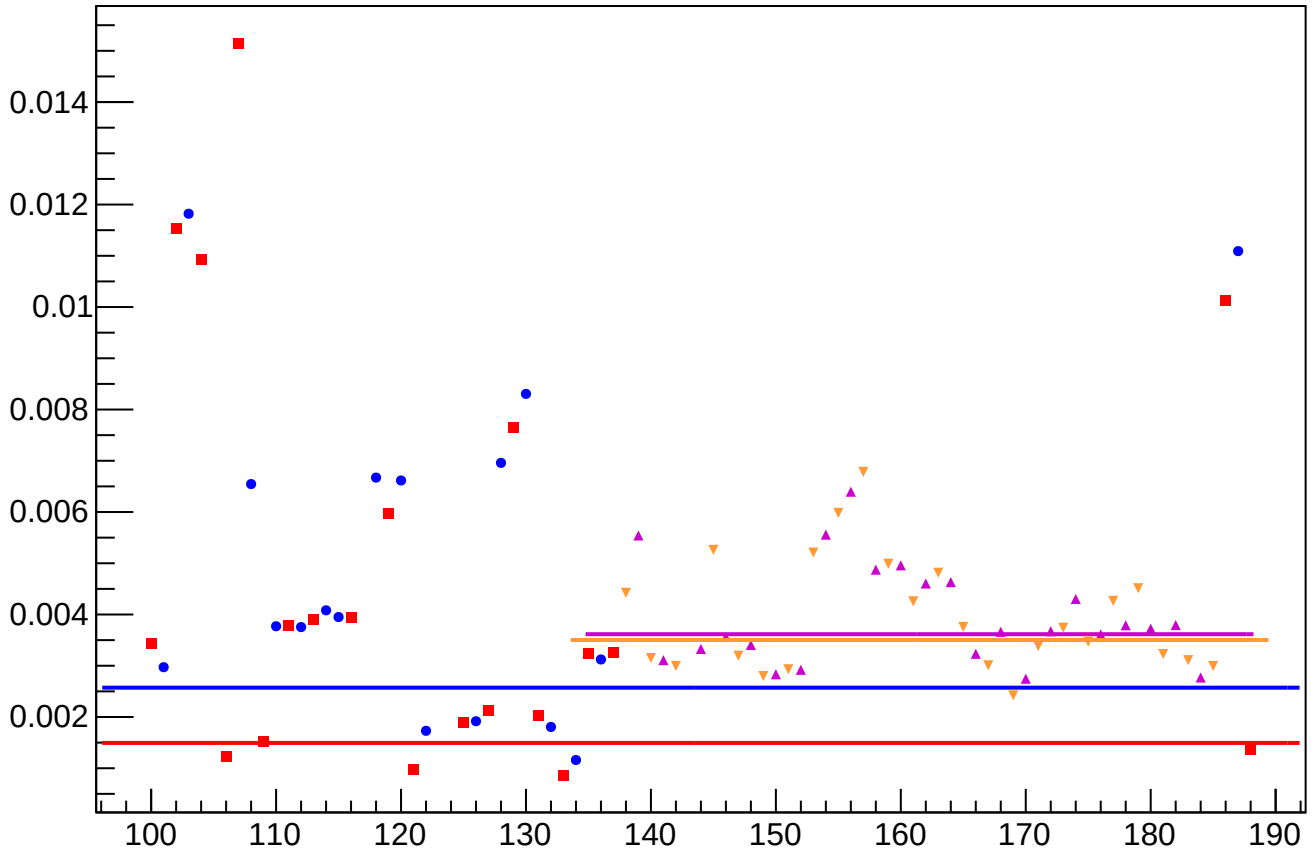
Right: 39.277+/-0.008 χ^2/NDF: 3794145.5/36

In: 41.188+/-0.006 χ^2/NDF:2856719.4/39

Out: 40.886+/-0.006 χ^2/NDF:4239840.6/43

All: 41.035+/-0.005 χ^2/NDF: 7097679.2/83


asym_us_dd_at1lr_dd_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.03
0.02
0.01
0
−0.01
−0.02
−0.03
−0.04
−0.05
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 17.9/16
Left Out: -0.000+/-0.000 χ²/NDF:36.8/23
Right Out: -0.000+/-0.000 χ²/NDF: 22.4/19
Left In: 0.000+/-0.000 χ²/NDF:9.7/22
Left: -0.000+/-0.000 χ²/NDF: 47.1/46
Right: -0.000+/-0.000 χ²/NDF: 45.1/36
In: 0.000+/-0.000 χ²/NDF:28.8/39
Out: -0.000+/-0.000 χ²/NDF:59.4/43
All: -0.000+/-0.000 χ²/NDF: 92.2/83



Right In: 0.003+/-0.000 χ^2/NDF: 4005405.1/16

Left Out: 0.004+/-0.000 χ^2/NDF:2190693.7/23

Right Out: 0.001+/-0.000 χ^2/NDF: 6160986.5/19

Left In: 0.004+/-0.000 χ^2/NDF:1668896.2/22

Left: 0.004+/-0.000 χ^2/NDF: 3876828.2/46

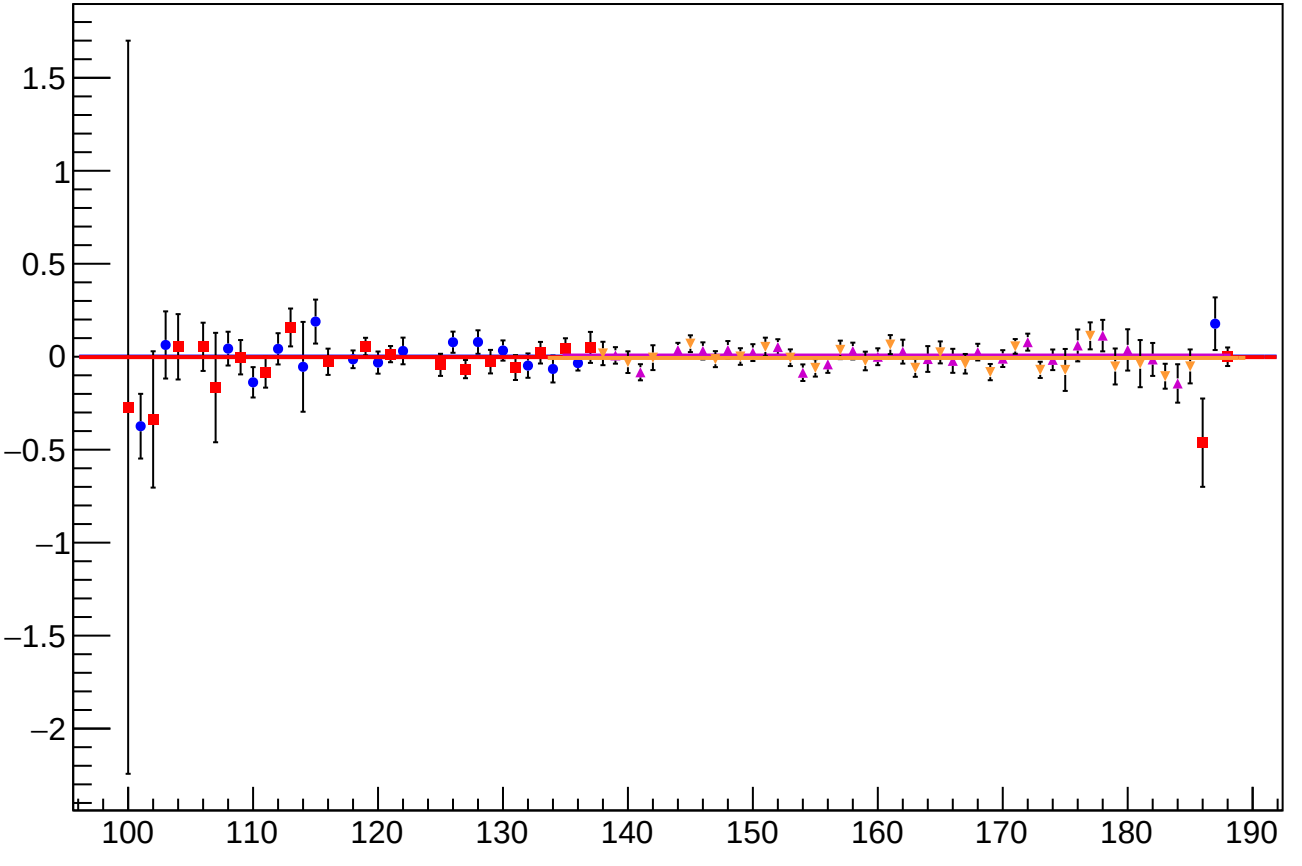
Right: 0.002+/-0.000 χ^2/NDF: 11458067.7/36

In: 0.003+/-0.000 χ^2/NDF:6730207.0/39

Out: 0.002+/-0.000 χ^2/NDF:15011780.6/43

All: 0.003+/-0.000 χ^2/NDF: 23875415.2/83

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.001+/-0.017 χ^2/NDF: 18.7/16

Left Out: -0.007+/-0.011 χ^2/NDF:23.9/23

Right Out: -0.002+/-0.016 χ^2/NDF: 14.7/19

Left In: 0.006+/-0.011 χ^2/NDF:20.1/22

Left: -0.000+/-0.008 χ^2/NDF: 44.7/46

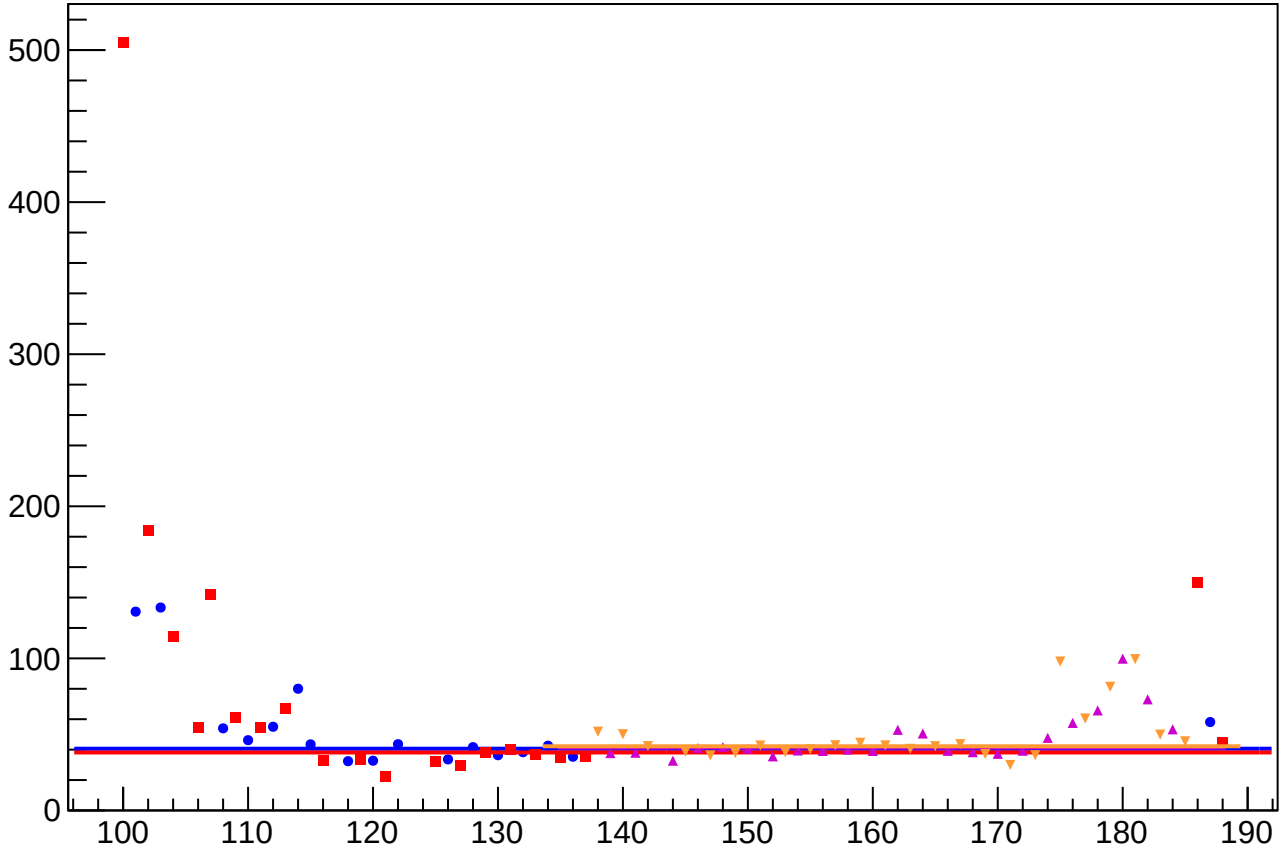
Right: -0.001+/-0.012 χ^2/NDF: 33.4/36

In: 0.005+/-0.009 χ^2/NDF:38.8/39

Out: -0.005+/-0.009 χ^2/NDF:38.7/43

All: -0.000+/-0.006 χ^2/NDF: 78.1/83

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 40.607+/-0.012 χ^2/NDF: 1441130.0/16

Left Out: 42.208+/-0.008 χ^2/NDF:1819378.3/23

Right Out: 38.126+/-0.011 χ^2/NDF: 2329959.0/19

Left In: 41.421+/-0.008 χ^2/NDF:1412111.4/22

Left: 41.808+/-0.005 χ^2/NDF: 3236767.5/46

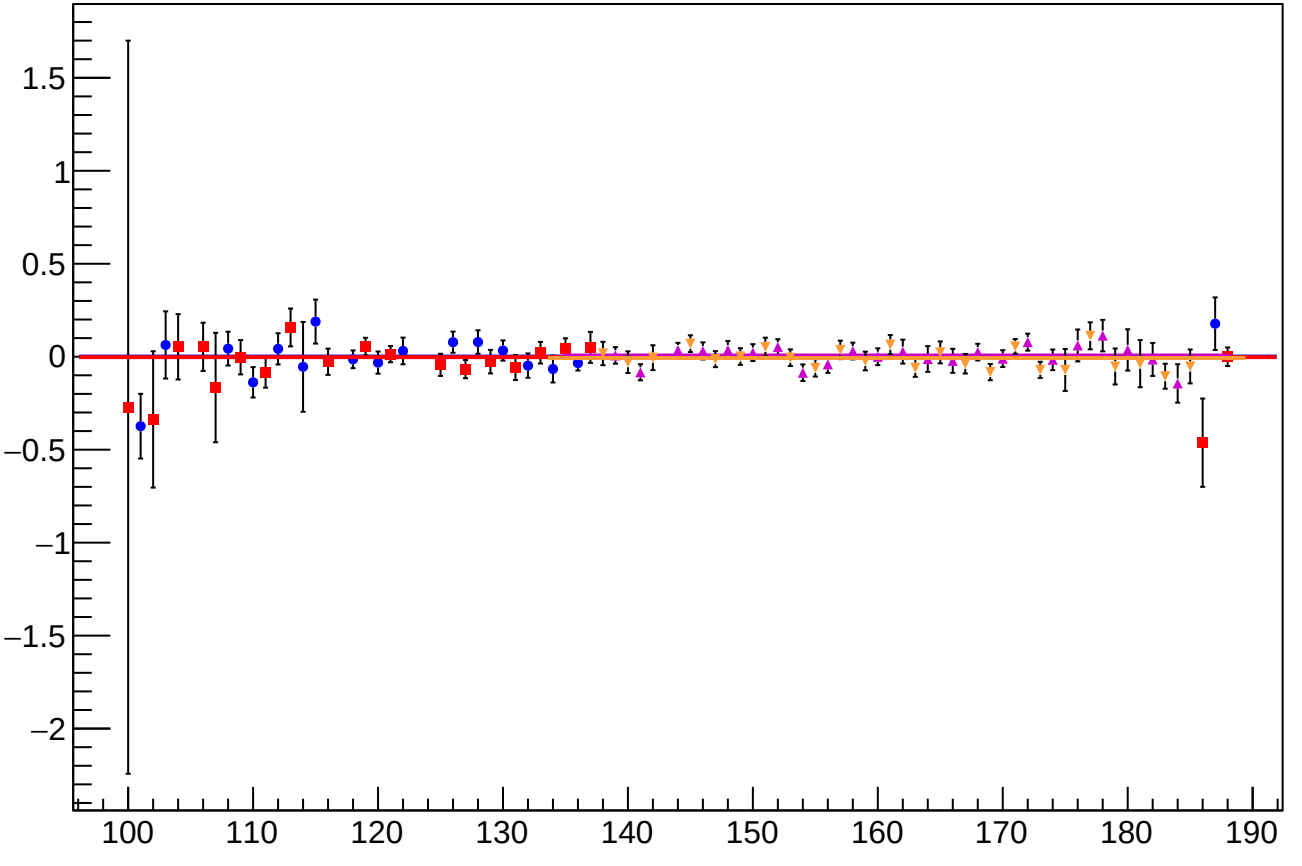
Right: 39.277+/-0.008 χ^2/NDF: 3794046.3/36

In: 41.188+/-0.006 χ^2/NDF:2856525.3/39

Out: 40.885+/-0.006 χ^2/NDF:4239876.8/43

All: 41.035+/-0.005 χ^2/NDF: 7097525.7/83

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.001+/-0.017 χ^2/NDF: 18.7/16

Left Out: -0.007+/-0.011 χ^2/NDF:23.9/23

Right Out: -0.002+/-0.016 χ^2/NDF: 14.7/19

Left In: 0.006+/-0.011 χ^2/NDF:20.1/22

Left: -0.000+/-0.008 χ^2/NDF: 44.7/46

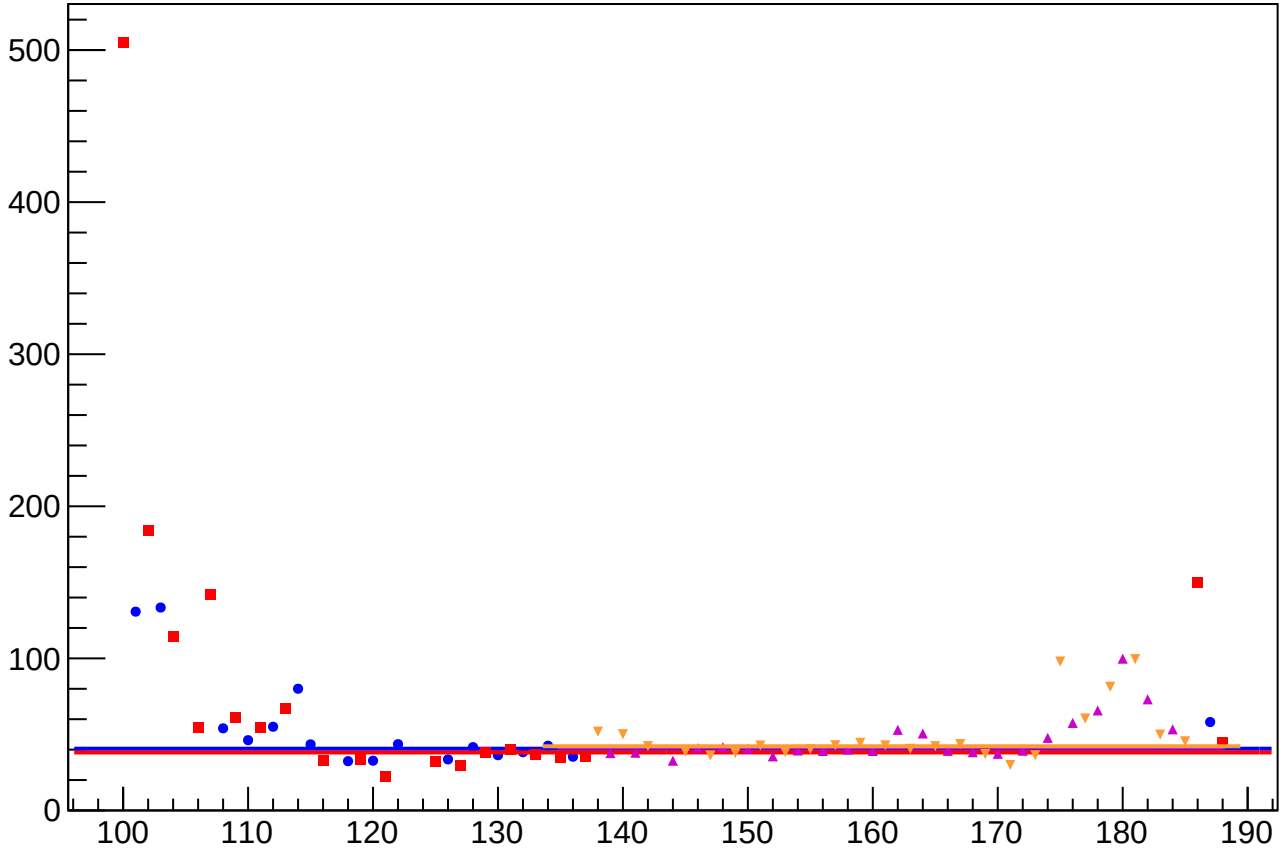
Right: -0.001+/-0.012 χ^2/NDF: 33.4/36

In: 0.005+/-0.009 χ^2/NDF:38.8/39

Out: -0.005+/-0.009 χ^2/NDF:38.7/43

All: -0.000+/-0.006 χ^2/NDF: 78.1/83

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 40.607+/-0.012 χ^2/NDF: 1441130.0/16

Left Out: 42.208+/-0.008 χ^2/NDF:1819378.3/23

Right Out: 38.126+/-0.011 χ^2/NDF: 2329959.0/19

Left In: 41.421+/-0.008 χ^2/NDF:1412111.4/22

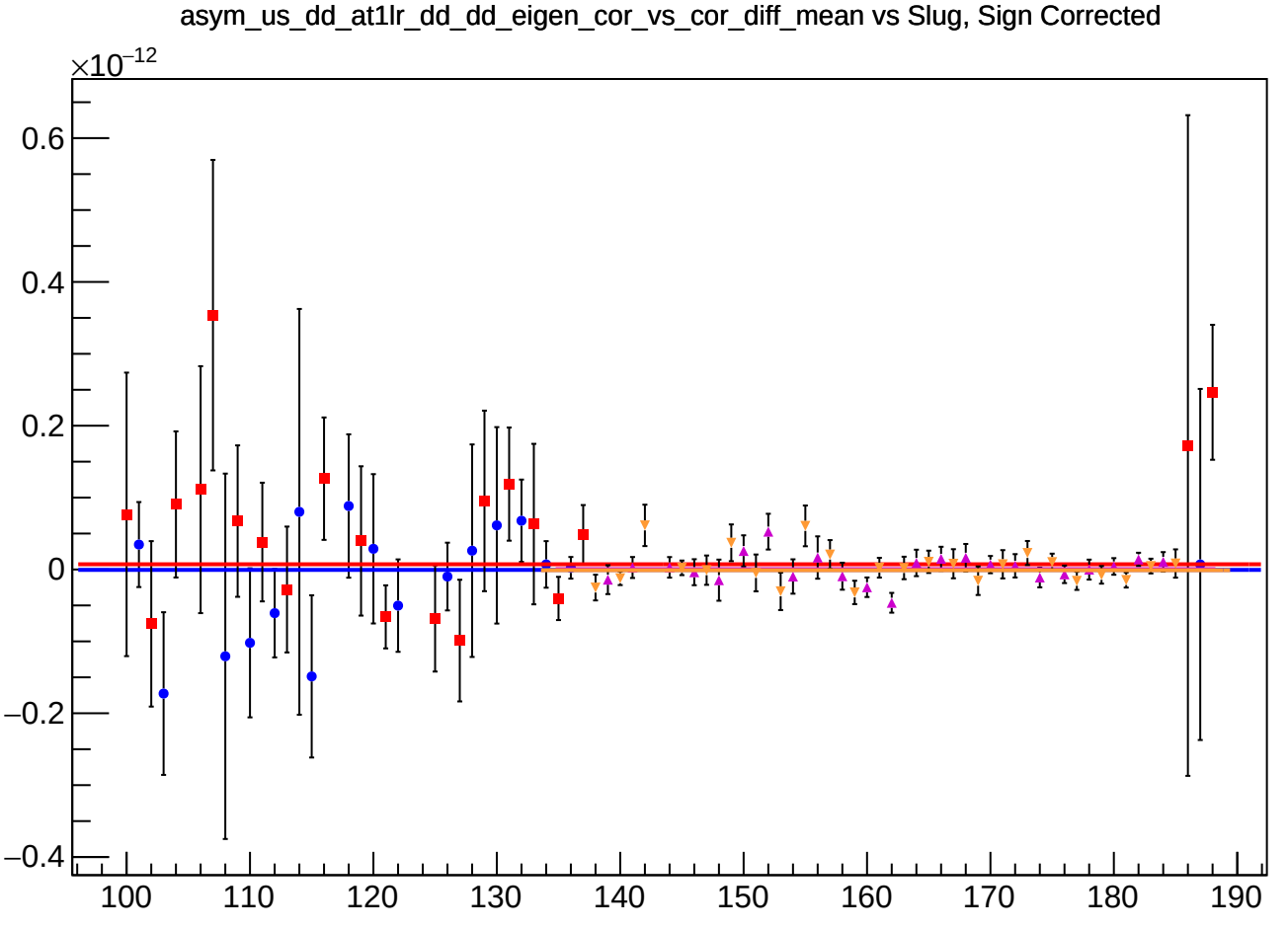
Left: 41.808+/-0.005 χ^2/NDF: 3236767.5/46

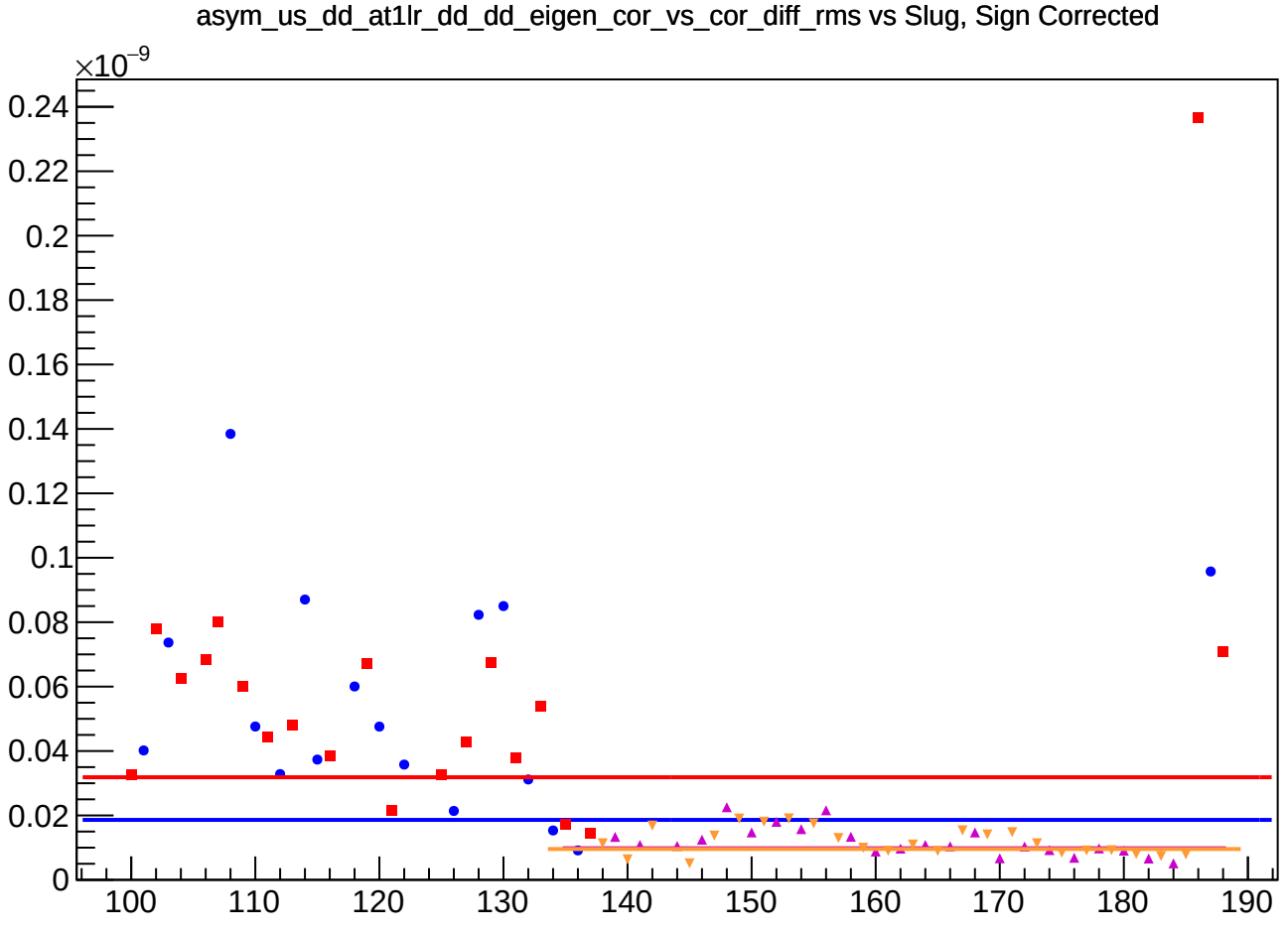
Right: 39.277+/-0.008 χ^2/NDF: 3794046.3/36

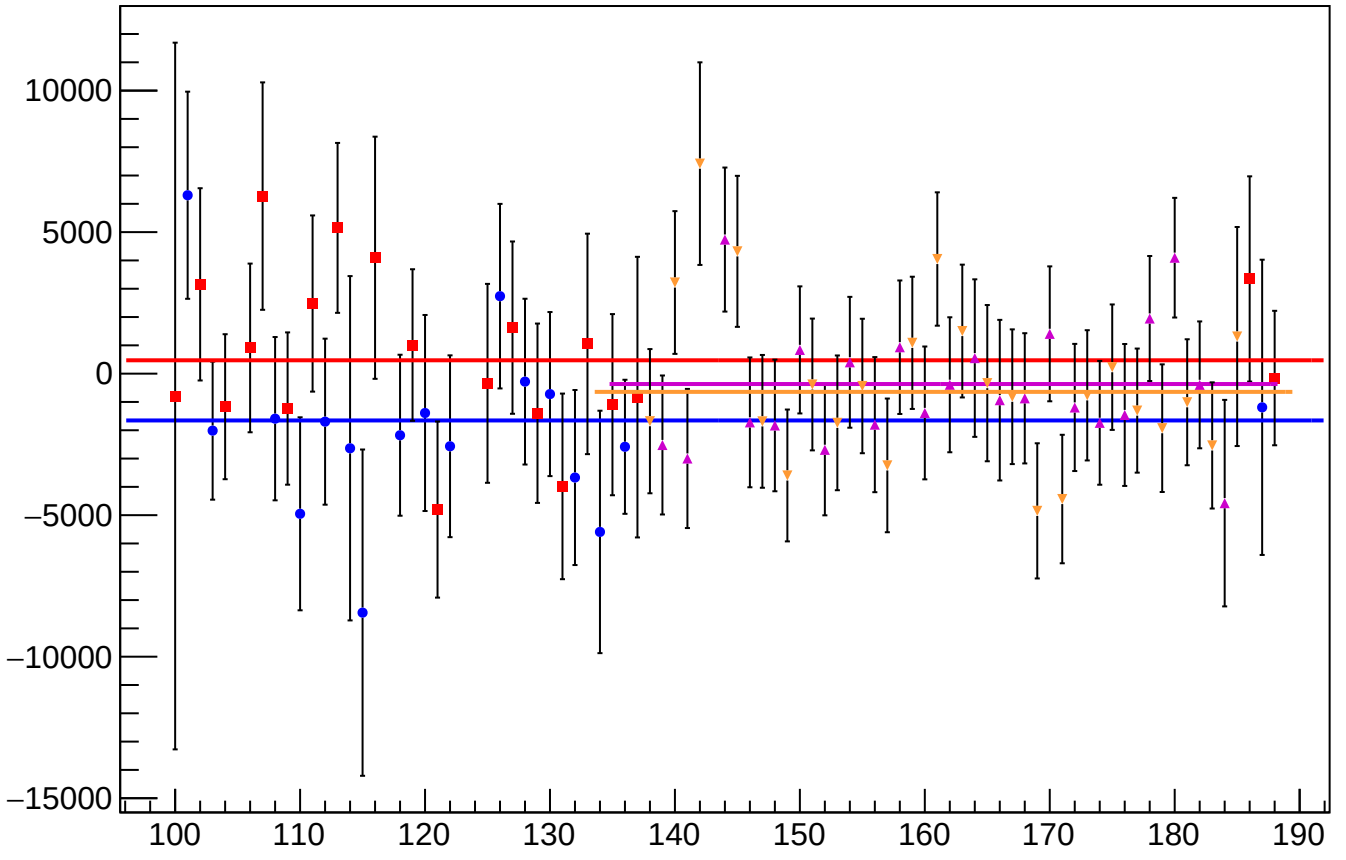
In: 41.188+/-0.006 χ^2/NDF:2856525.3/39

Out: 40.885+/-0.006 χ^2/NDF:4239876.8/43

All: 41.035+/-0.005 χ^2/NDF: 7097525.7/83


asym_us_dd_at1lr_dd_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.6
0.4
0.2
0
−0.2
−0.4
100
110
120
130
140
150
160
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 9.9/16
Left Out: -0.000+/-0.000 χ²/NDF:29.5/23
Right Out: 0.000+/-0.000 χ²/NDF: 25.2/19
Left In: 0.000+/-0.000 χ²/NDF:28.3/22
Left: -0.000+/-0.000 χ²/NDF: 57.9/46
Right: 0.000+/-0.000 χ²/NDF: 35.2/36
In: 0.000+/-0.000 χ²/NDF:38.2/39
Out: -0.000+/-0.000 χ²/NDF:54.9/43
All: -0.000+/-0.000 χ²/NDF: 93.2/83


asym_us_dd_at1lr_dd_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.24
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 4222837.6/16
Left Out: 0.000+/-0.000 χ²/NDF:2445128.6/23
Right Out: 0.000+/-0.000 χ²/NDF: 3146418.8/19
Left In: 0.000+/-0.000 χ²/NDF:2250638.6/22
Left: 0.000+/-0.000 χ²/NDF: 4701887.7/46
Right: 0.000+/-0.000 χ²/NDF: 8254907.8/36
In: 0.000+/-0.000 χ²/NDF:7552970.1/39
Out: 0.000+/-0.000 χ²/NDF:9242013.8/43
All: 0.000+/-0.000 χ²/NDF: 16795904.5/83



Right In: -1653.609+/-783.181 χ^2/NDF: 10.8/16

Left Out: -643.811+/-493.681 χ^2/NDF:27.1/23

Right Out: 471.778+/-723.755 χ^2/NDF: 13.4/19

Left In: -366.759+/-497.896 χ^2/NDF:17.3/22

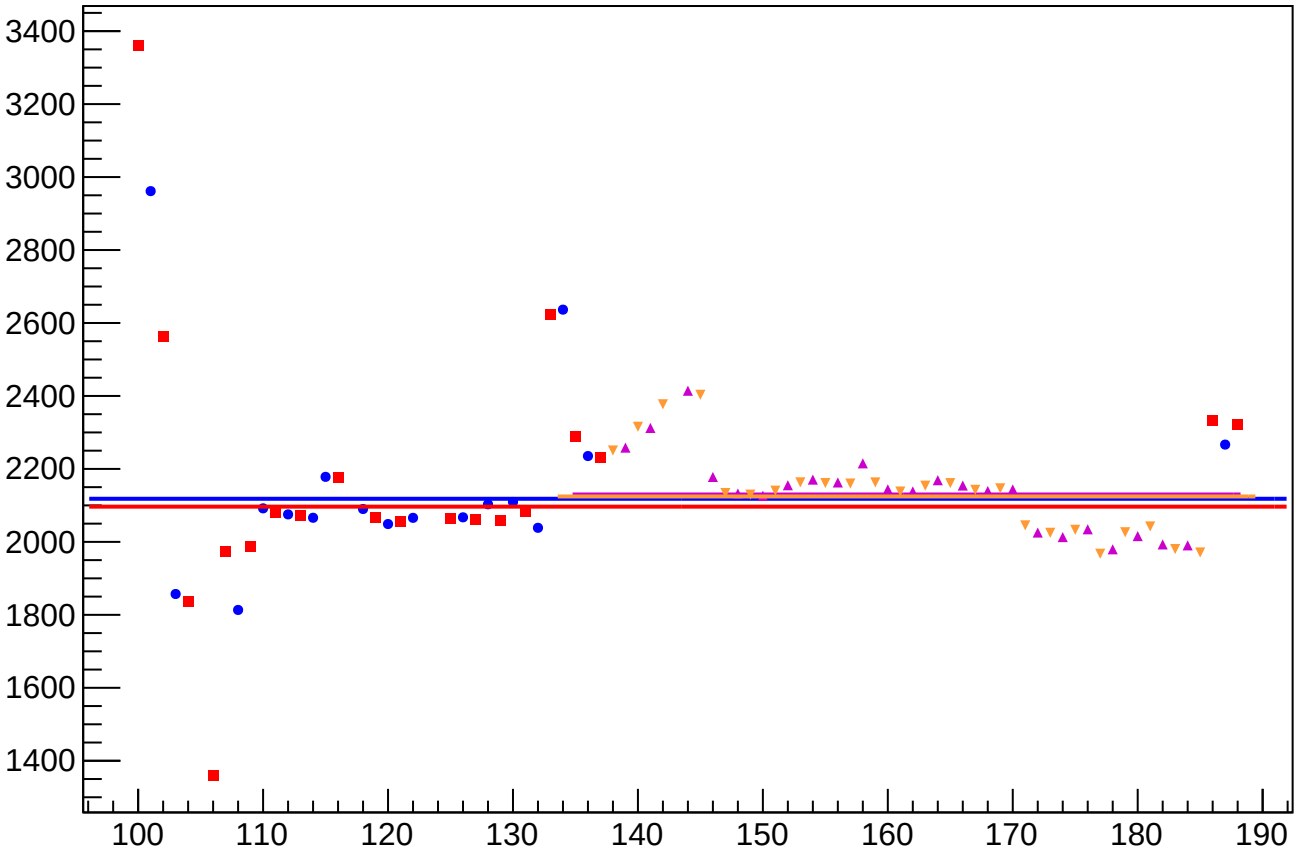
Left: -506.463+/-350.566 χ^2/NDF: 44.6/46

Right: -507.231+/-531.541 χ^2/NDF: 28.2/36

In: -737.154+/-420.175 χ^2/NDF:30.0/39

Out: -289.573+/-407.837 χ^2/NDF:42.2/43

All: -506.696+/-292.649 χ^2/NDF: 72.8/83



Right In: 2118.181+/-0.554 χ^2/NDF: 191579.7/16

Left Out: 2124.437+/-0.349 χ^2/NDF:89184.0/23

Right Out: 2096.586+/-0.512 χ^2/NDF: 279809.3/19

Left In: 2129.897+/-0.352 χ^2/NDF:85354.5/22

Left: 2127.144+/-0.248 χ^2/NDF: 174659.8/46

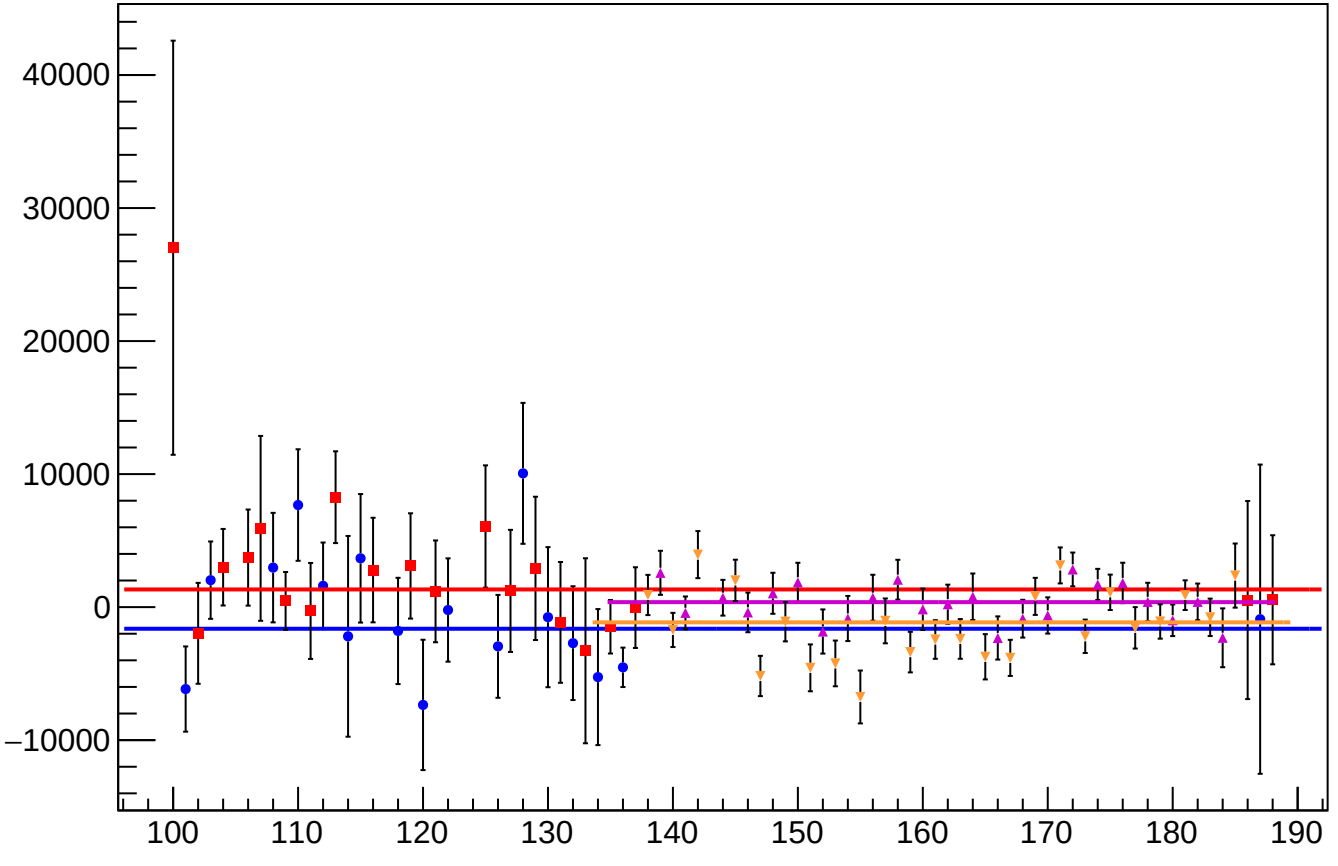
Right: 2106.533+/-0.376 χ^2/NDF: 472209.2/36

In: 2126.525+/-0.297 χ^2/NDF:277252.9/39

Out: 2115.593+/-0.288 χ^2/NDF:371014.5/43

All: 2120.896+/-0.207 χ^2/NDF: 648964.4/83

asym_us_dd_at2lr_dd_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -1626.512+/-860.053 χ^2/NDF: 22.9/16

Left Out: -1144.817+/-302.488 χ^2/NDF:67.5/23

Right Out: 1328.383+/-823.011 χ^2/NDF: 13.5/19

Left In: 373.302+/-305.378 χ^2/NDF:20.3/22

Left: -392.974+/-214.906 χ^2/NDF: 100.3/46

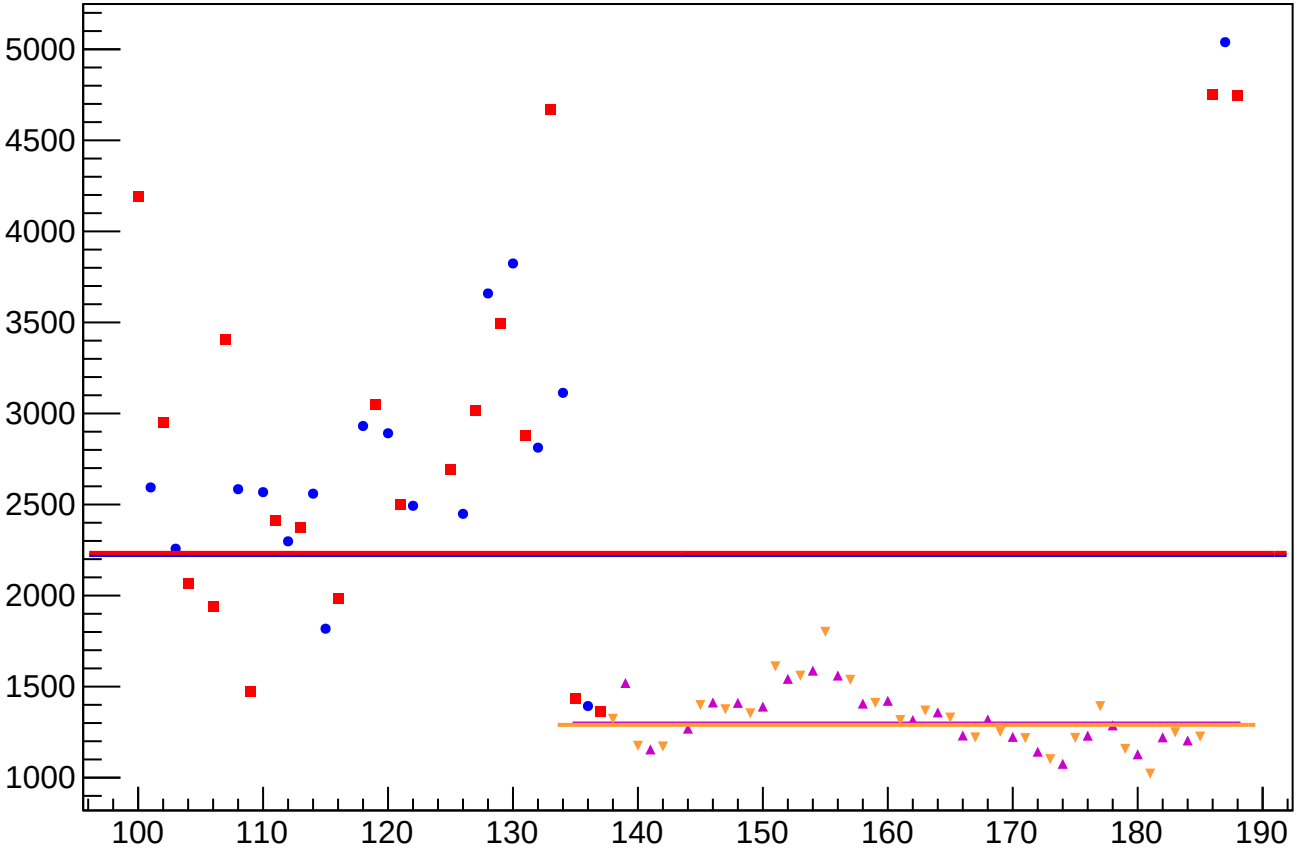
Right: -84.064+/-594.621 χ^2/NDF: 42.5/36

In: 149.405+/-287.776 χ^2/NDF:48.0/39

Out: -850.486+/-283.919 χ^2/NDF:89.0/43

All: -357.286+/-202.111 χ^2/NDF: 143.0/83

asym_us_dd_at2lr_dd_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 2222.758+/-0.608 χ^2/NDF: 1367329.1/16

Left Out: 1290.029+/-0.214 χ^2/NDF:567950.9/23

Right Out: 2234.619+/-0.582 χ^2/NDF: 2254757.4/19

Left In: 1297.454+/-0.216 χ^2/NDF:433995.4/22

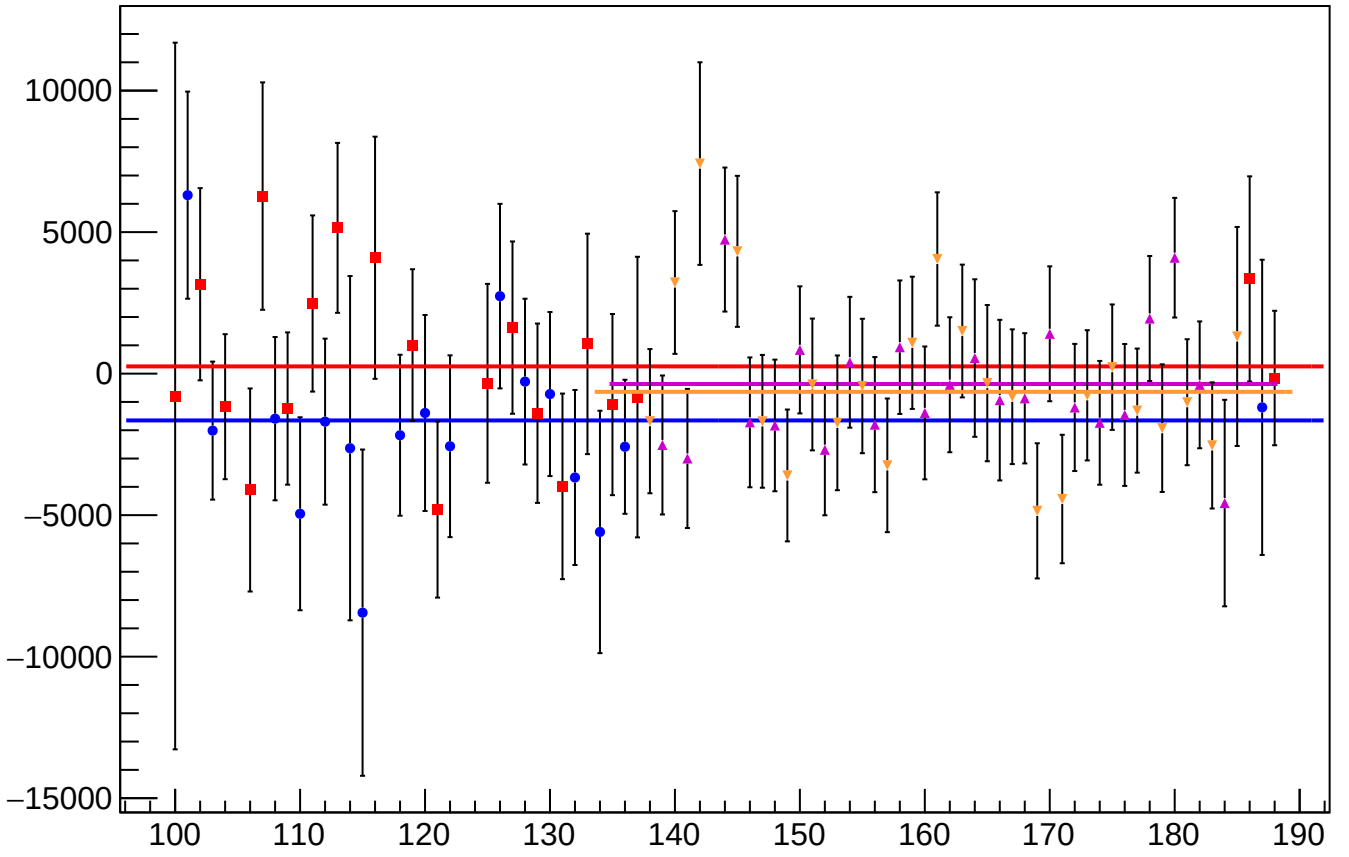
Left: 1293.707+/-0.152 χ^2/NDF: 1002543.1/46

Right: 2228.949+/-0.420 χ^2/NDF: 3622285.0/36

In: 1401.050+/-0.203 χ^2/NDF:3857126.7/39

Out: 1402.443+/-0.201 χ^2/NDF:5143715.8/43

All: 1401.756+/-0.143 χ^2/NDF: 9000866.3/83



Right In: -1653.561+/-783.181 χ^2/NDF: 10.8/16

Left Out: -643.673+/-493.681 χ^2/NDF:27.1/23

Right Out: 255.898+/-730.463 χ^2/NDF: 15.0/19

Left In: -366.649+/-497.896 χ^2/NDF:17.3/22

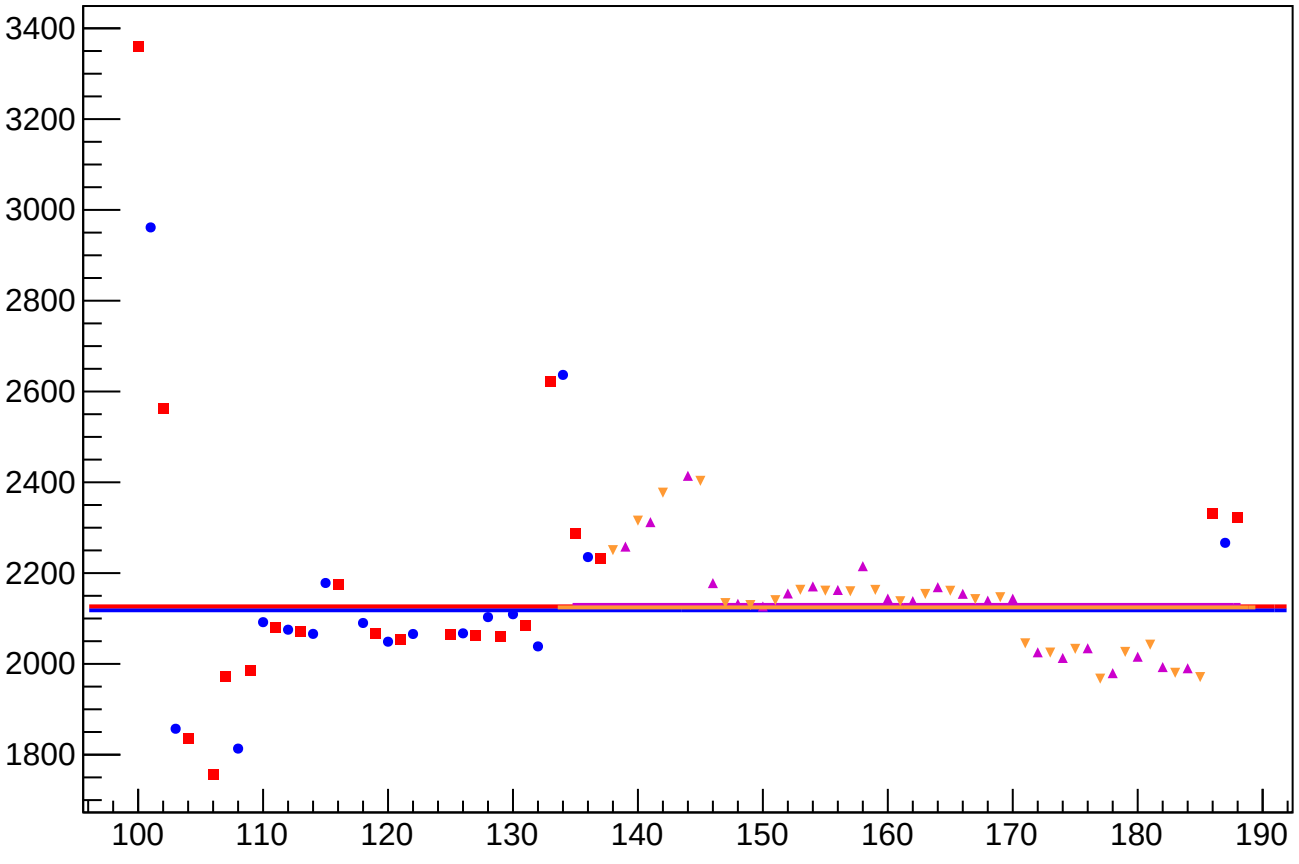
Left: -506.339+/-350.566 χ^2/NDF: 44.6/46

Right: -632.409+/-534.181 χ^2/NDF: 28.9/36

In: -737.061+/-420.175 χ^2/NDF:30.0/39

Out: -361.613+/-409.026 χ^2/NDF:43.1/43

All: -544.290+/-293.088 χ^2/NDF: 73.6/83



Right In: 2118.181+/-0.554 χ^2/NDF: 191580.0/16

Left Out: 2124.437+/-0.349 χ^2/NDF:89184.0/23

Right Out: 2126.674+/-0.517 χ^2/NDF: 172530.5/19

Left In: 2129.897+/-0.352 χ^2/NDF:85354.4/22

Left: 2127.144+/-0.248 χ^2/NDF: 174659.7/46

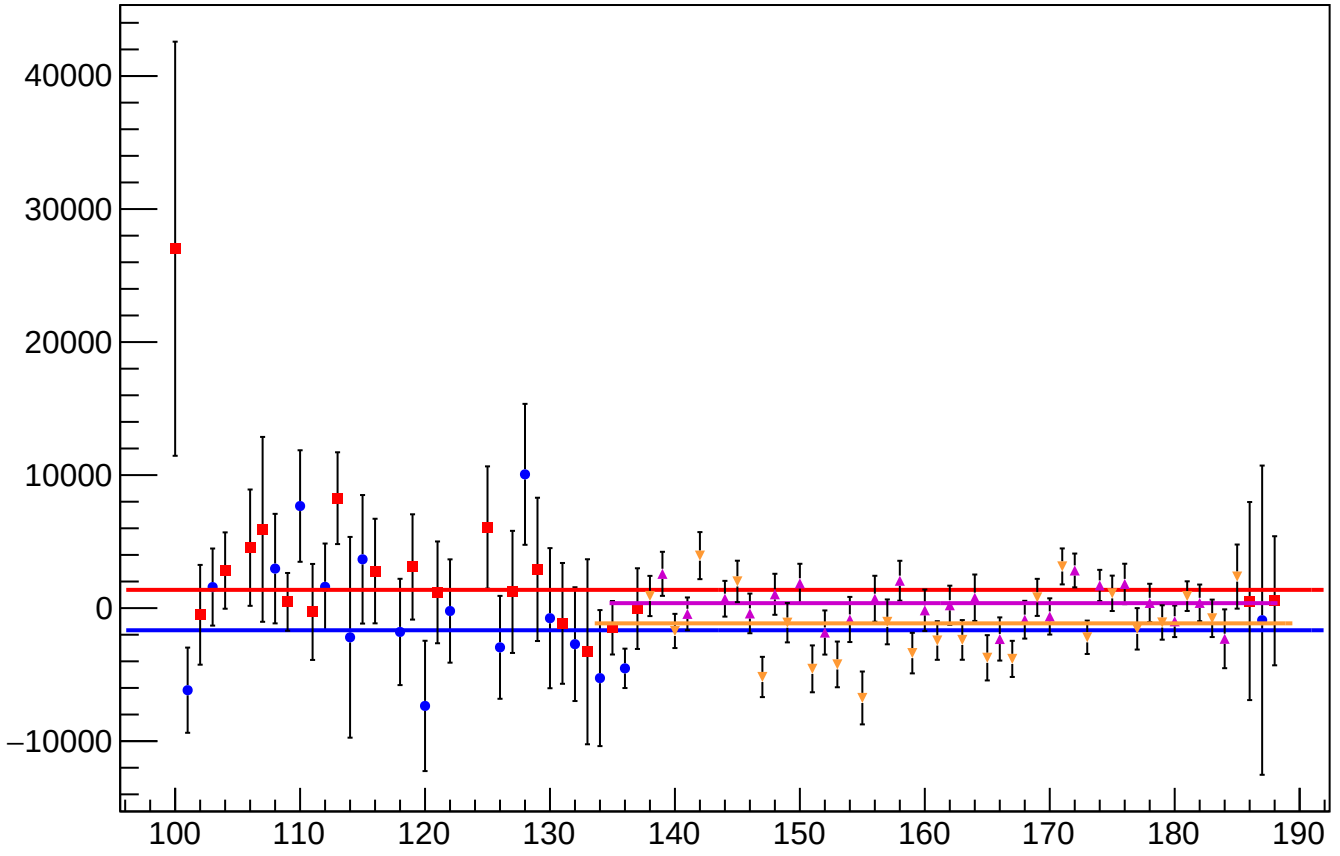
Right: 2122.723+/-0.378 χ^2/NDF: 364236.2/36

In: 2126.525+/-0.297 χ^2/NDF:277253.2/39

Out: 2125.138+/-0.289 χ^2/NDF:261727.3/43

All: 2125.813+/-0.207 χ^2/NDF: 538991.7/83

asym_us_dd_at2lr_dd_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -1664.316+/-859.764 χ^2/NDF: 22.5/16

Left Out: -1144.779+/-302.490 χ^2/NDF:67.5/23

Right Out: 1372.103+/-829.255 χ^2/NDF: 13.0/19

Left In: 373.186+/-305.379 χ^2/NDF:20.3/22

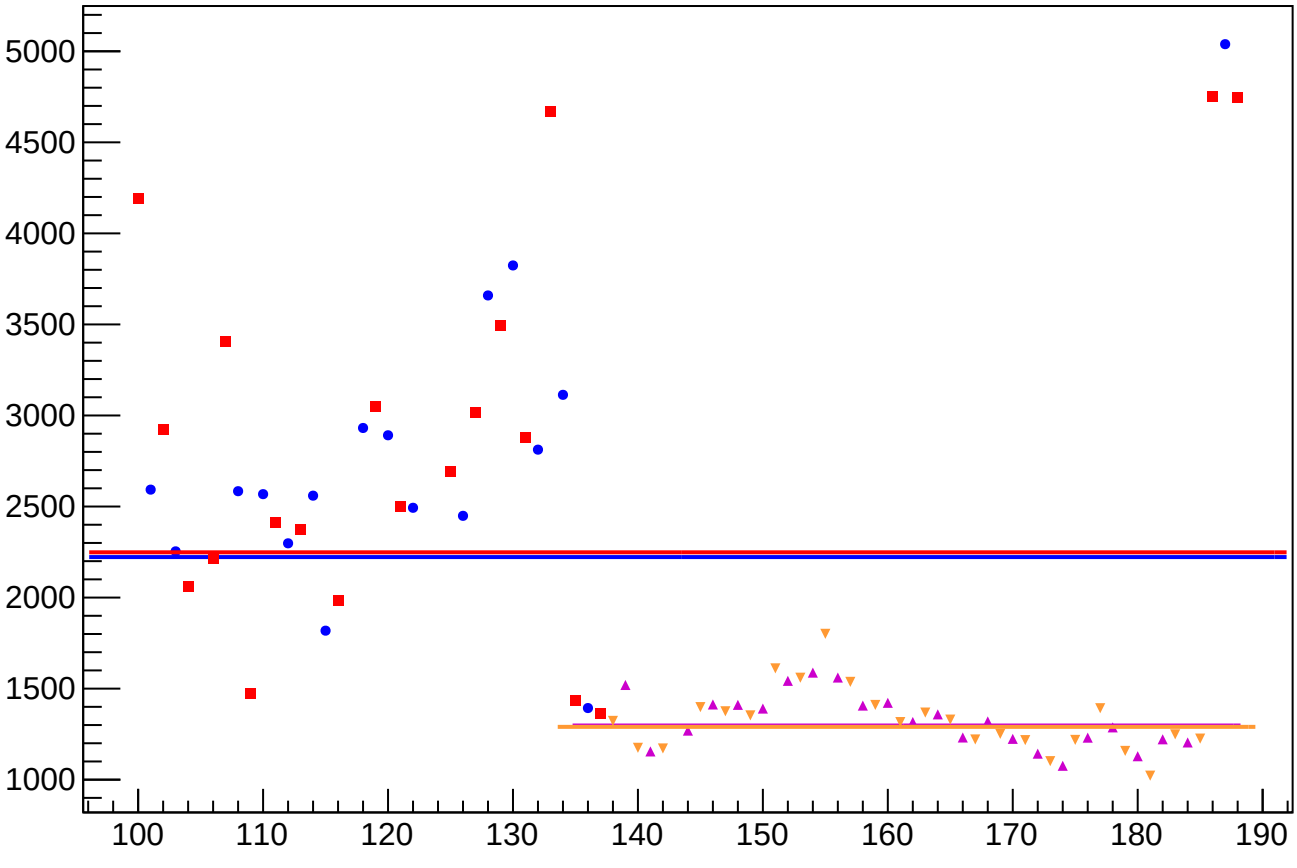
Left: -393.009+/-214.907 χ^2/NDF: 100.3/46

Right: -91.277+/-596.866 χ^2/NDF: 42.0/36

In: 144.933+/-287.765 χ^2/NDF:47.8/39

Out: -849.212+/-284.174 χ^2/NDF:88.7/43

All: -358.381+/-202.199 χ^2/NDF: 142.5/83



Right In: 2222.413+/-0.608 χ^2/NDF: 1367114.1/16

Left Out: 1290.041+/-0.214 χ^2/NDF:567883.5/23

Right Out: 2248.556+/-0.586 χ^2/NDF: 2236778.6/19

Left In: 1297.458+/-0.216 χ^2/NDF:434006.2/22

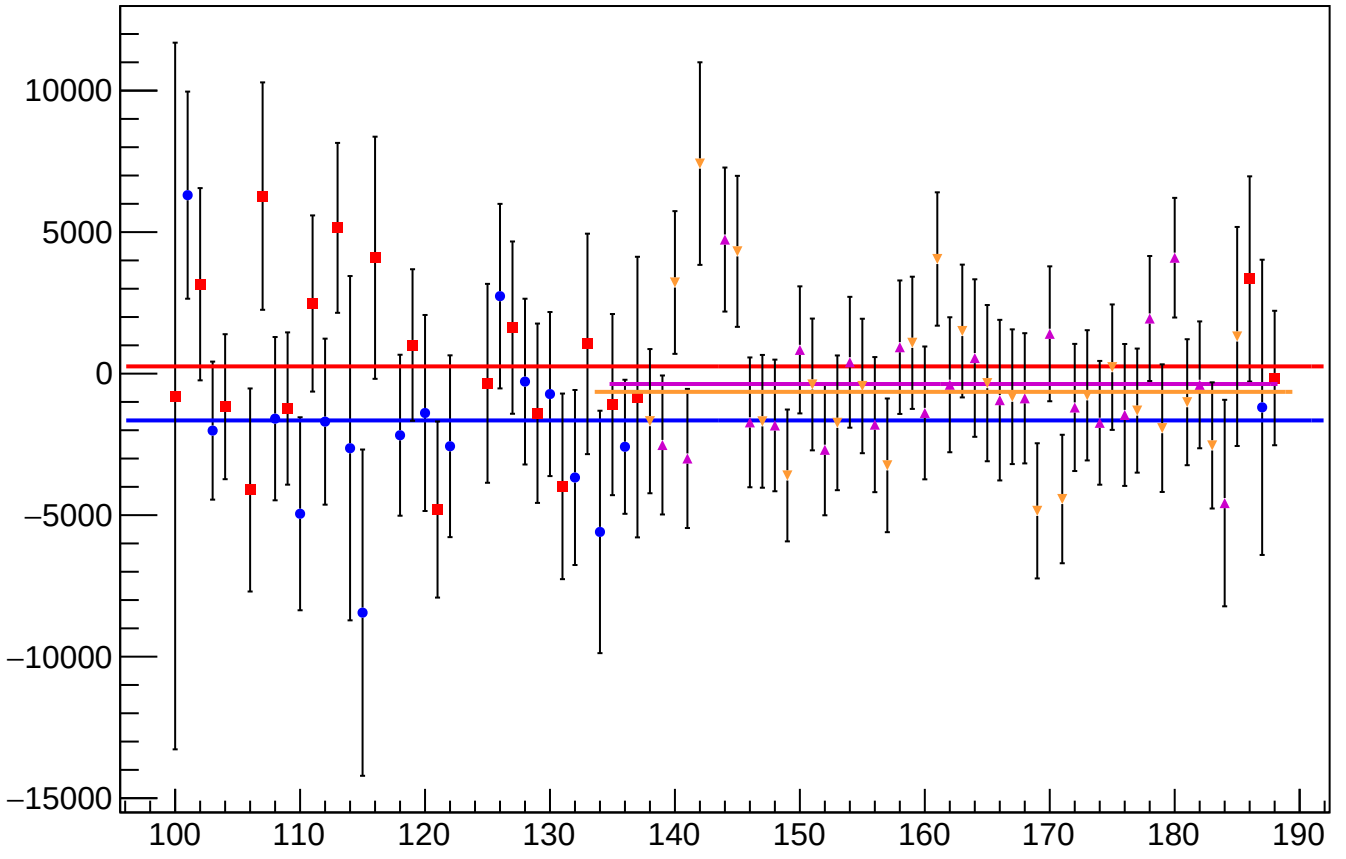
Left: 1293.714+/-0.152 χ^2/NDF: 1002485.3/46

Right: 2235.957+/-0.422 χ^2/NDF: 3604850.7/36

In: 1401.077+/-0.203 χ^2/NDF:3856601.8/39

Out: 1402.603+/-0.201 χ^2/NDF:5162965.0/43

All: 1401.849+/-0.143 χ^2/NDF: 9019595.3/83



Right In: -1653.561+/-783.181 χ^2/NDF: 10.8/16

Left Out: -643.673+/-493.681 χ^2/NDF:27.1/23

Right Out: 255.898+/-730.463 χ^2/NDF: 15.0/19

Left In: -366.649+/-497.896 χ^2/NDF:17.3/22

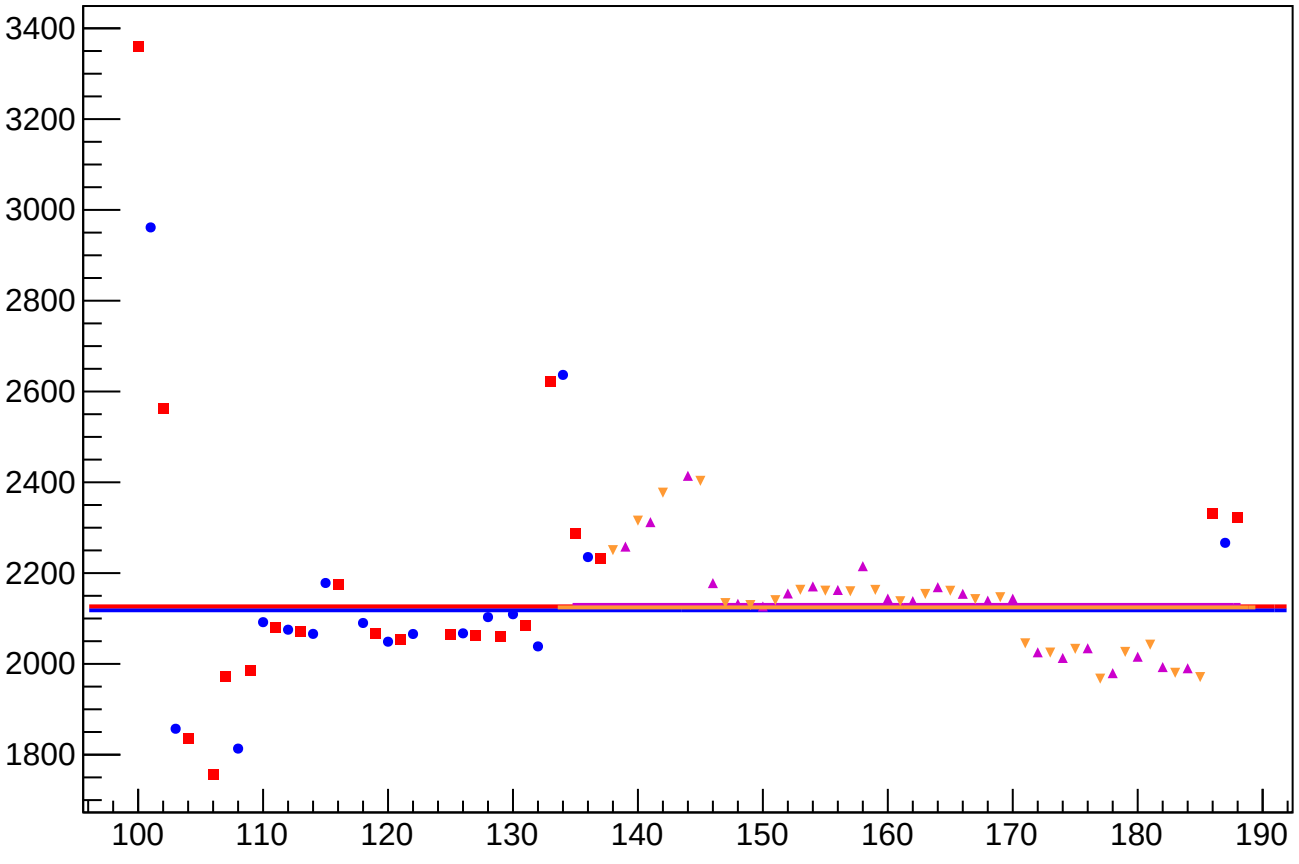
Left: -506.339+/-350.566 χ^2/NDF: 44.6/46

Right: -632.409+/-534.181 χ^2/NDF: 28.9/36

In: -737.061+/-420.175 χ^2/NDF:30.0/39

Out: -361.613+/-409.026 χ^2/NDF:43.1/43

All: -544.290+/-293.088 χ^2/NDF: 73.6/83



Right In: 2118.181+/-0.554 χ^2/NDF: 191580.0/16

Left Out: 2124.437+/-0.349 χ^2/NDF:89184.0/23

Right Out: 2126.674+/-0.517 χ^2/NDF: 172530.5/19

Left In: 2129.897+/-0.352 χ^2/NDF:85354.4/22

Left: 2127.144+/-0.248 χ^2/NDF: 174659.7/46

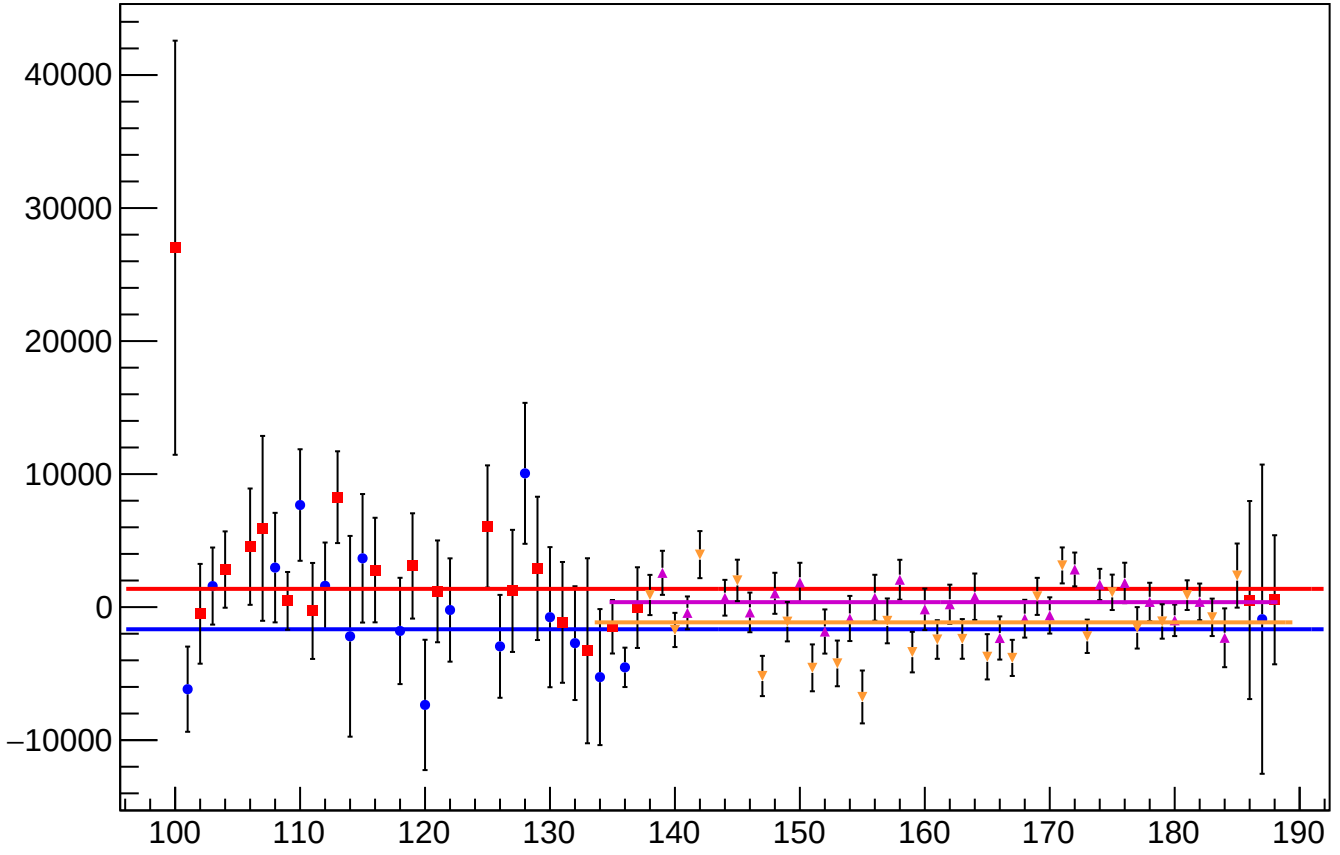
Right: 2122.723+/-0.378 χ^2/NDF: 364236.2/36

In: 2126.525+/-0.297 χ^2/NDF:277253.2/39

Out: 2125.138+/-0.289 χ^2/NDF:261727.3/43

All: 2125.813+/-0.207 χ^2/NDF: 538991.7/83

asym_us_dd_at2lr_dd_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -1664.316+/-859.764 χ^2/NDF: 22.5/16

Left Out: -1144.779+/-302.490 χ^2/NDF:67.5/23

Right Out: 1372.103+/-829.255 χ^2/NDF: 13.0/19

Left In: 373.186+/-305.379 χ^2/NDF:20.3/22

Left: -393.009+/-214.907 χ^2/NDF: 100.3/46

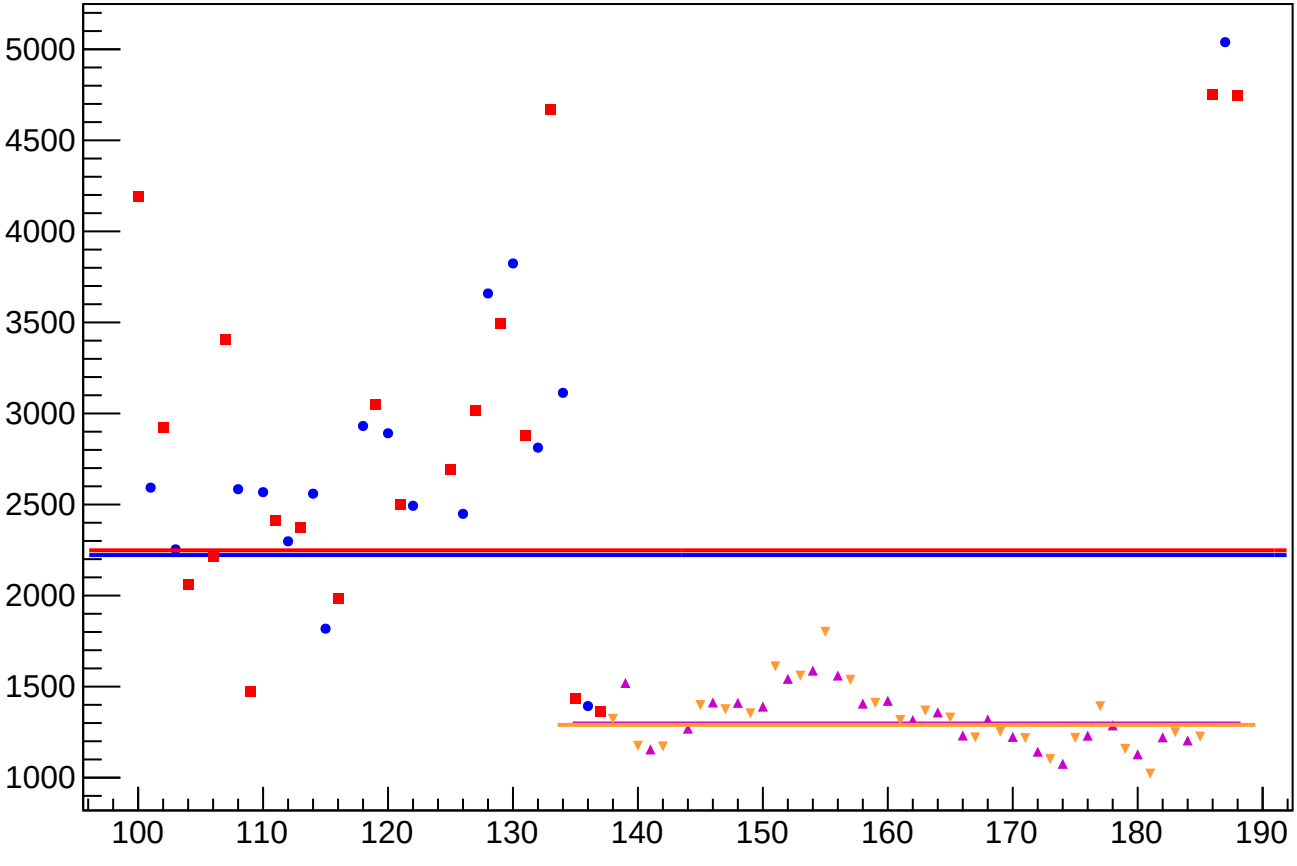
Right: -91.277+/-596.866 χ^2/NDF: 42.0/36

In: 144.933+/-287.765 χ^2/NDF:47.8/39

Out: -849.212+/-284.174 χ^2/NDF:88.7/43

All: -358.381+/-202.199 χ^2/NDF: 142.5/83

asym_us_dd_at2lr_dd_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 2222.413+/-0.608 χ^2/NDF: 1367114.1/16

Left Out: 1290.041+/-0.214 χ^2/NDF:567883.5/23

Right Out: 2248.556+/-0.586 χ^2/NDF: 2236778.6/19

Left In: 1297.458+/-0.216 χ^2/NDF:434006.2/22

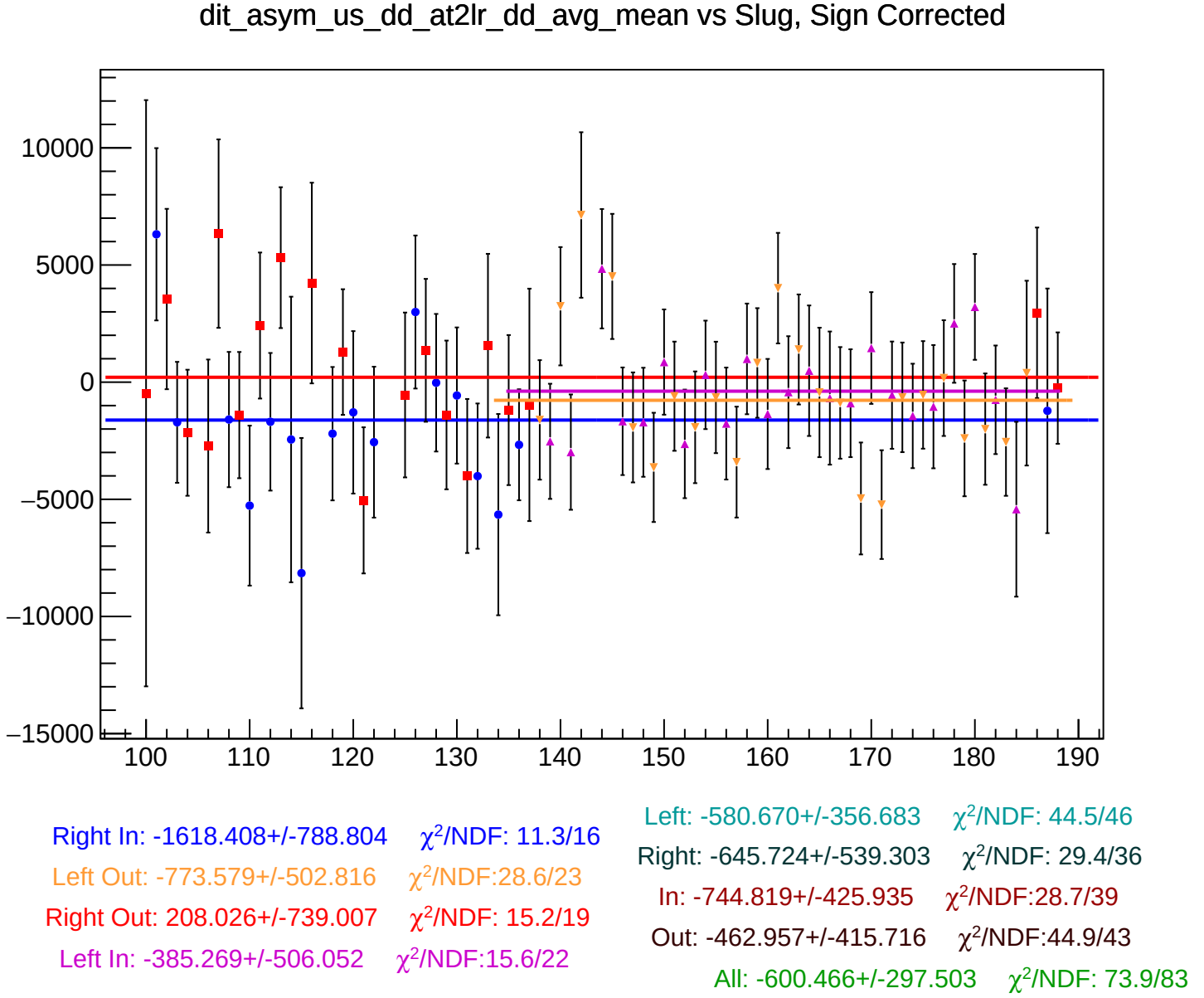
Left: 1293.714+/-0.152 χ^2/NDF: 1002485.3/46

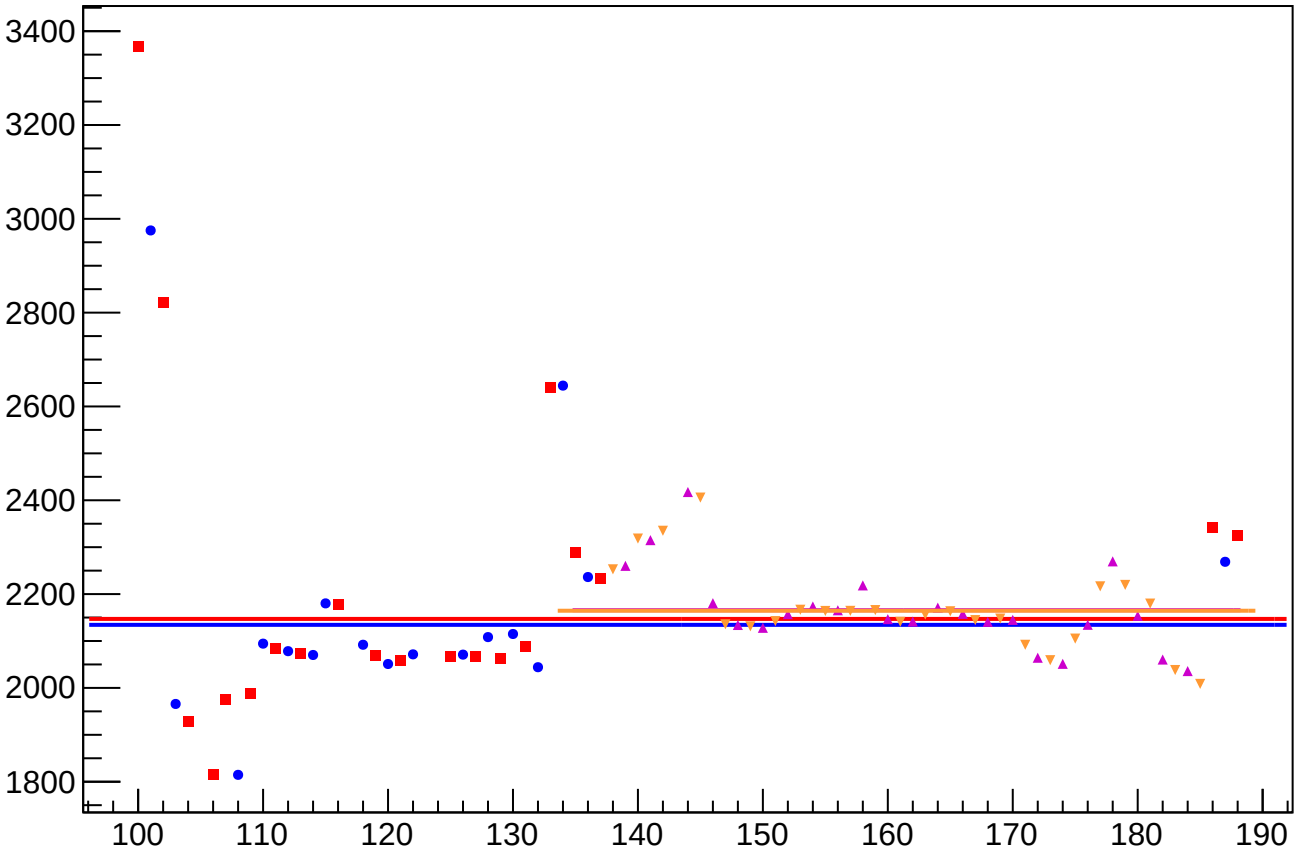
Right: 2235.957+/-0.422 χ^2/NDF: 3604850.7/36

In: 1401.077+/-0.203 χ^2/NDF:3856601.8/39

Out: 1402.603+/-0.201 χ^2/NDF:5162965.0/43

All: 1401.849+/-0.143 χ^2/NDF: 9019595.3/83


dit_asym_us_dd_at2lr_dd_avg_mean vs Slug, Sign Corrected
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
180
190
Right In: -1618.408+/-788.804 χ²/NDF: 11.3/16
Left Out: -773.579+/-502.816 χ²/NDF:28.6/23
Right Out: 208.026+/-739.007 χ²/NDF: 15.2/19
Left In: -385.269+/-506.052 χ²/NDF:15.6/22
Left: -580.670+/-356.683 χ²/NDF: 44.5/46
Right: -645.724+/-539.303 χ²/NDF: 29.4/36
In: -744.819+/-425.935 χ²/NDF:28.7/39
Out: -462.957+/-415.716 χ²/NDF:44.9/43
All: -600.466+/-297.503 χ²/NDF: 73.9/83



Right In: 2134.439+/-0.558 χ^2/NDF: 177300.0/16

Left Out: 2164.532+/-0.356 χ^2/NDF:50676.3/23

Right Out: 2147.086+/-0.523 χ^2/NDF: 183205.8/19

Left In: 2165.643+/-0.358 χ^2/NDF:52124.5/22

Left: 2165.084+/-0.252 χ^2/NDF: 102805.6/46

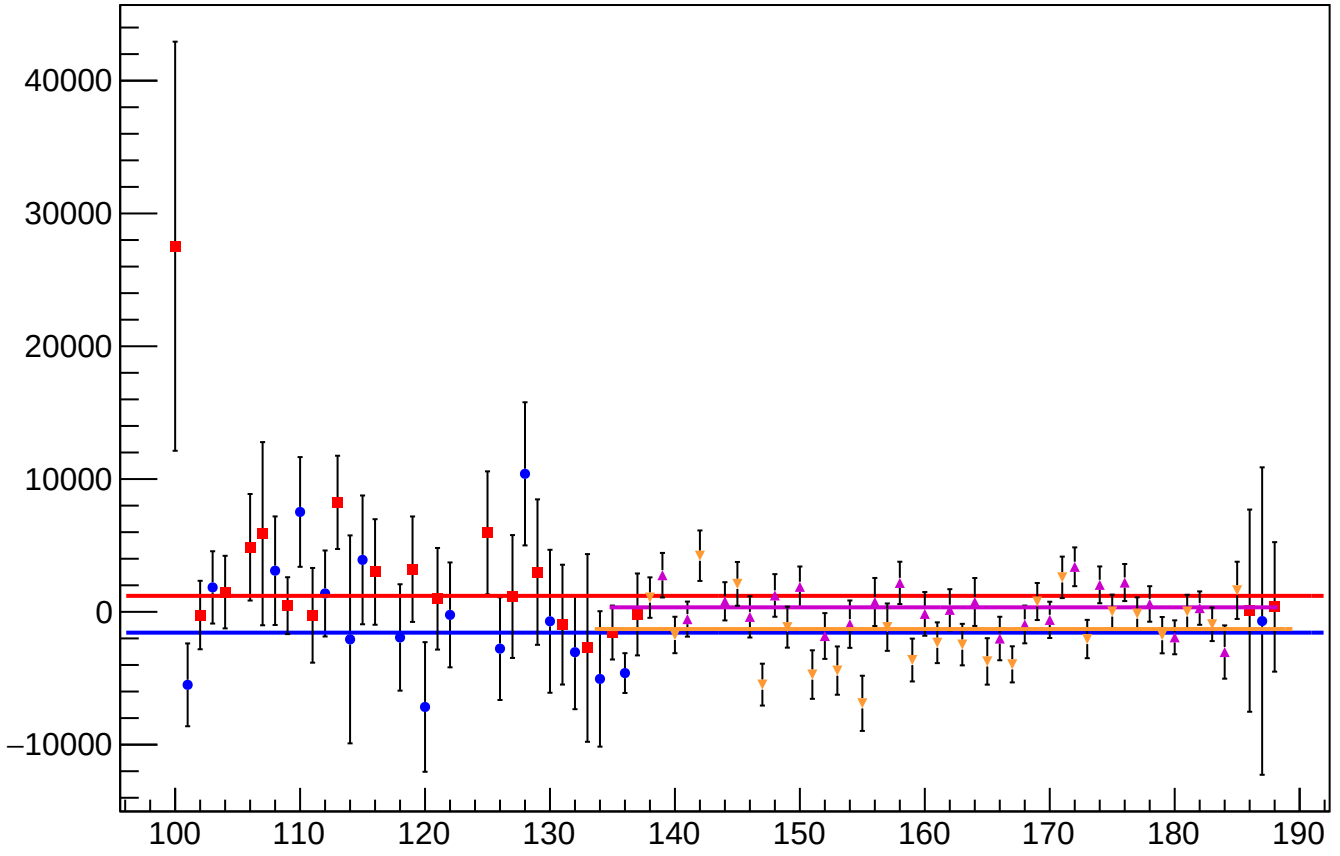
Right: 2141.174+/-0.381 χ^2/NDF: 360779.7/36

In: 2156.545+/-0.301 χ^2/NDF:231641.8/39

Out: 2159.011+/-0.294 χ^2/NDF:234644.0/43

All: 2157.808+/-0.210 χ^2/NDF: 466320.2/83

asym_us_dd_at2lr_dd_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -1566.260+/-857.392 χ^2/NDF: 22.6/16

Left Out: -1293.716+/-310.622 χ^2/NDF:58.7/23

Right Out: 1204.569+/-803.911 χ^2/NDF: 13.1/19

Left In: 341.259+/-315.566 χ^2/NDF:24.8/22

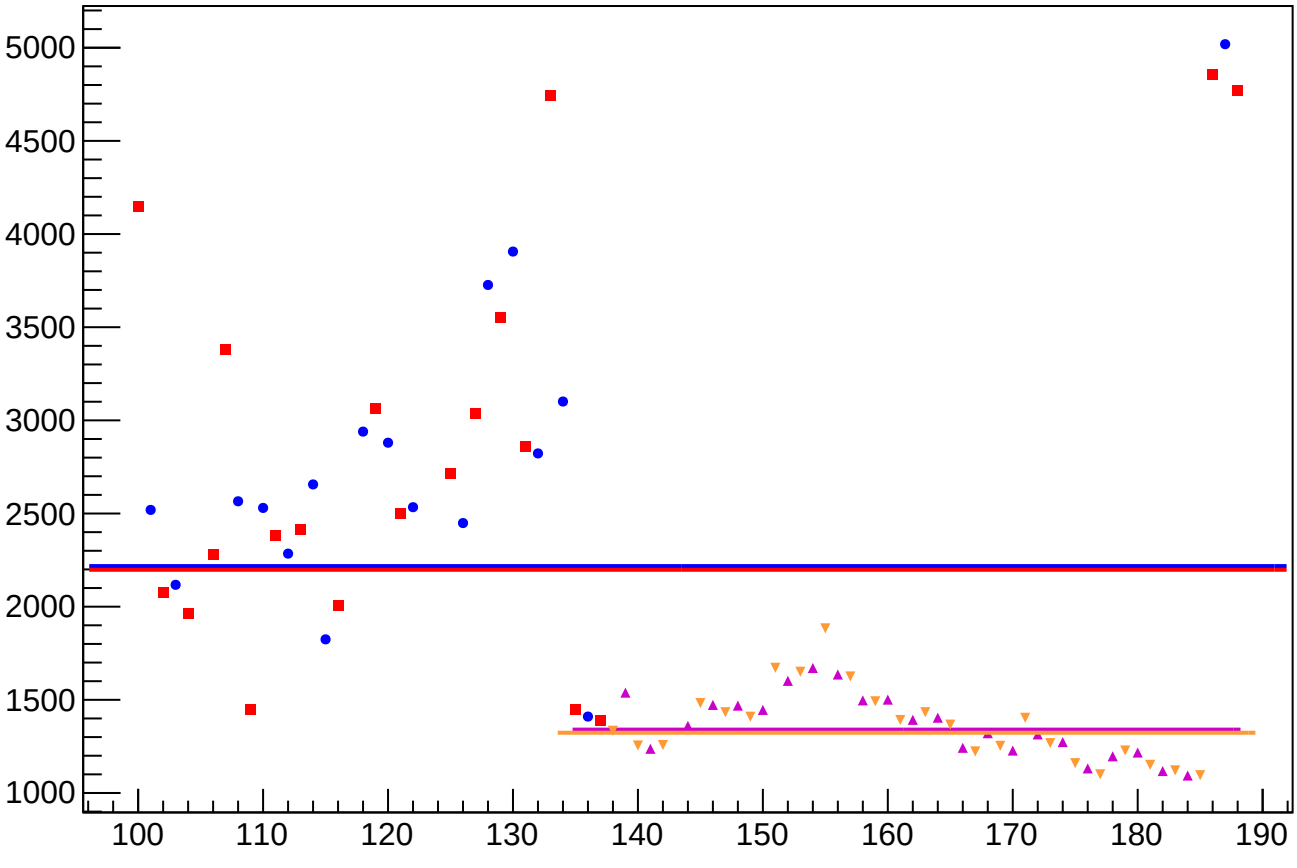
Left: -489.137+/-221.370 χ^2/NDF: 97.1/46

Right: -91.739+/-586.447 χ^2/NDF: 41.3/36

In: 113.688+/-296.144 χ^2/NDF:51.7/39

Out: -969.184+/-289.745 χ^2/NDF:80.2/43

All: -439.574+/-207.106 χ^2/NDF: 138.8/83



Right In: 2217.829+/-0.606 χ^2/NDF: 1340715.2/16

Left Out: 1323.402+/-0.220 χ^2/NDF:663859.2/23

Right Out: 2197.969+/-0.568 χ^2/NDF: 2206011.4/19

Left In: 1340.084+/-0.223 χ^2/NDF:494267.4/22

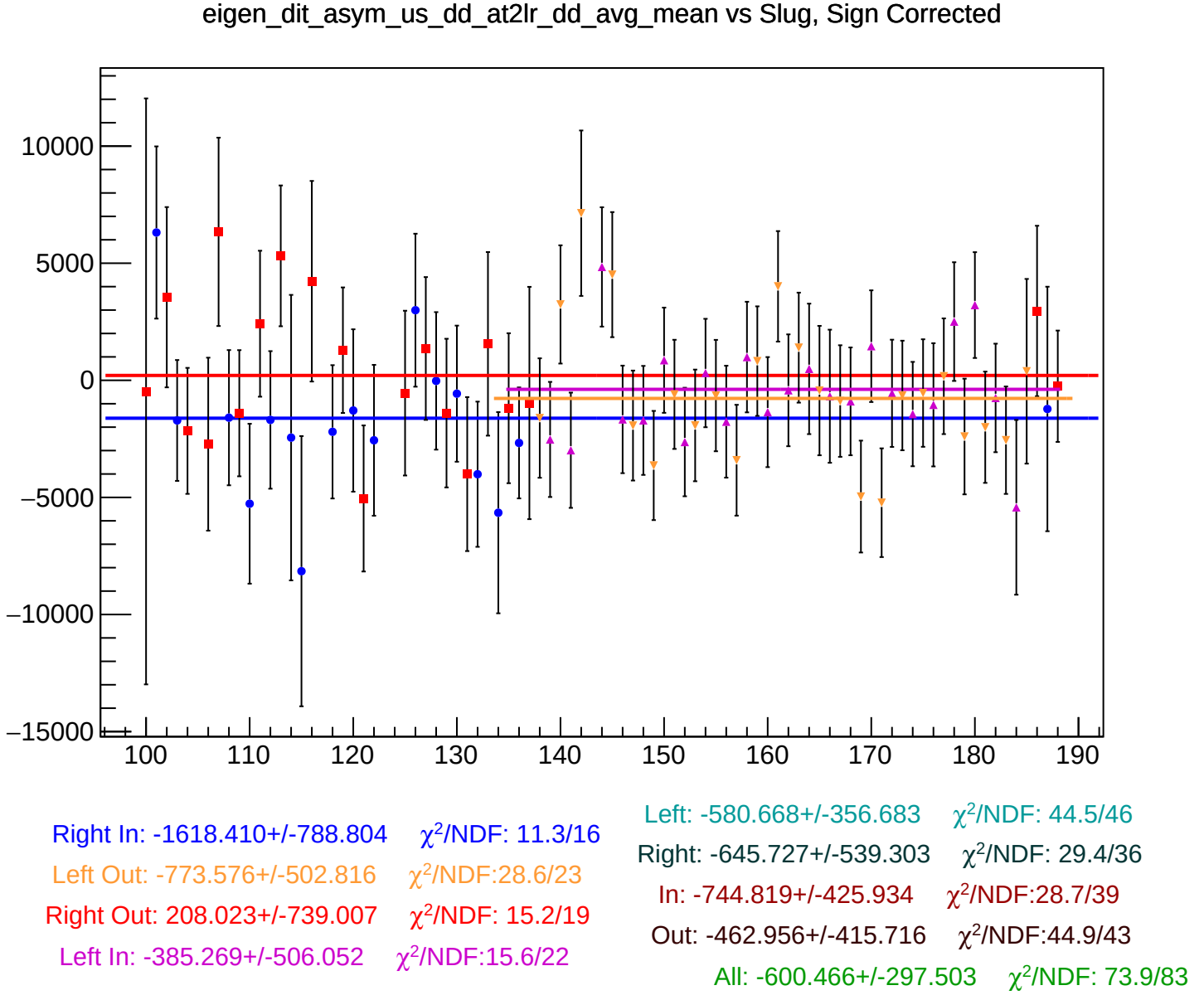
Left: 1331.612+/-0.157 χ^2/NDF: 1160965.4/46

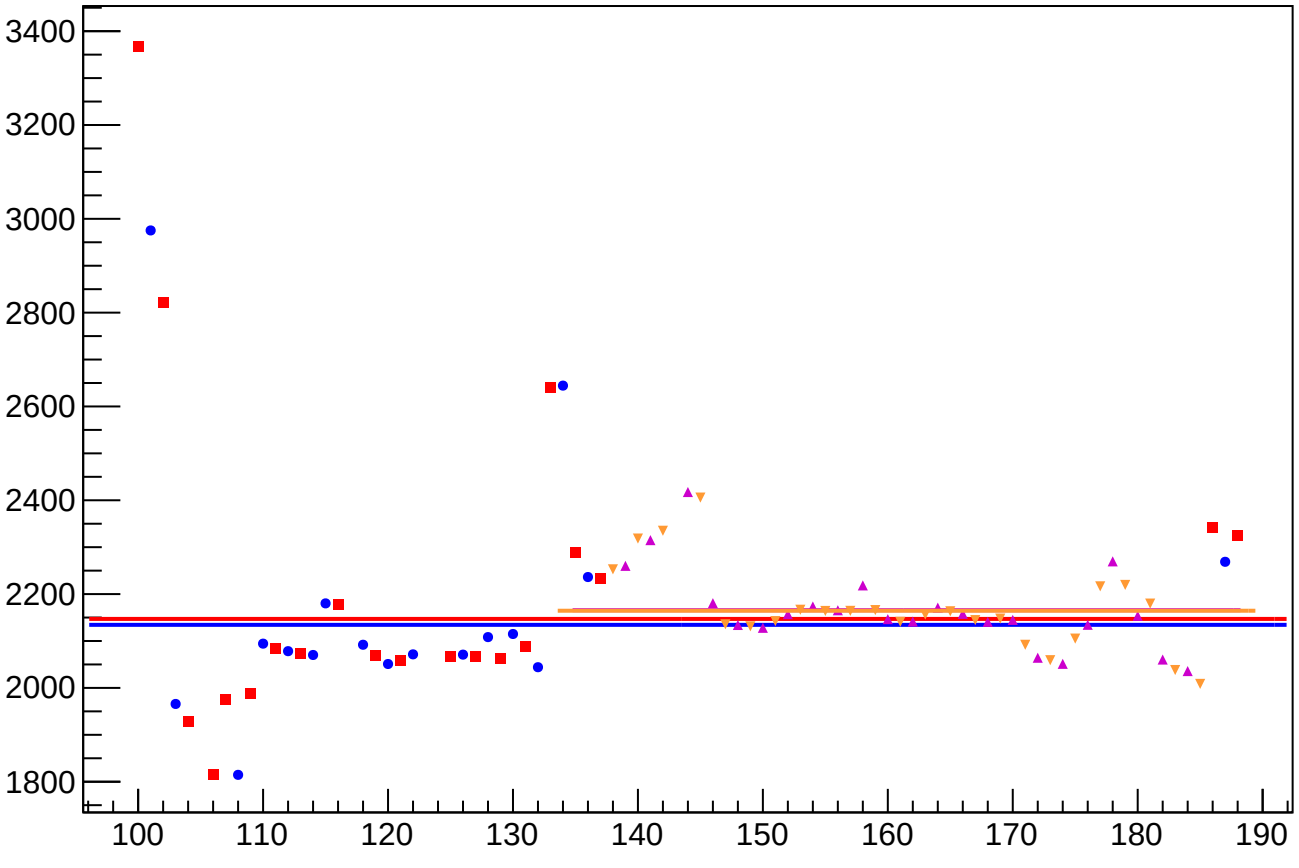
Right: 2207.260+/-0.415 χ^2/NDF: 3547297.7/36

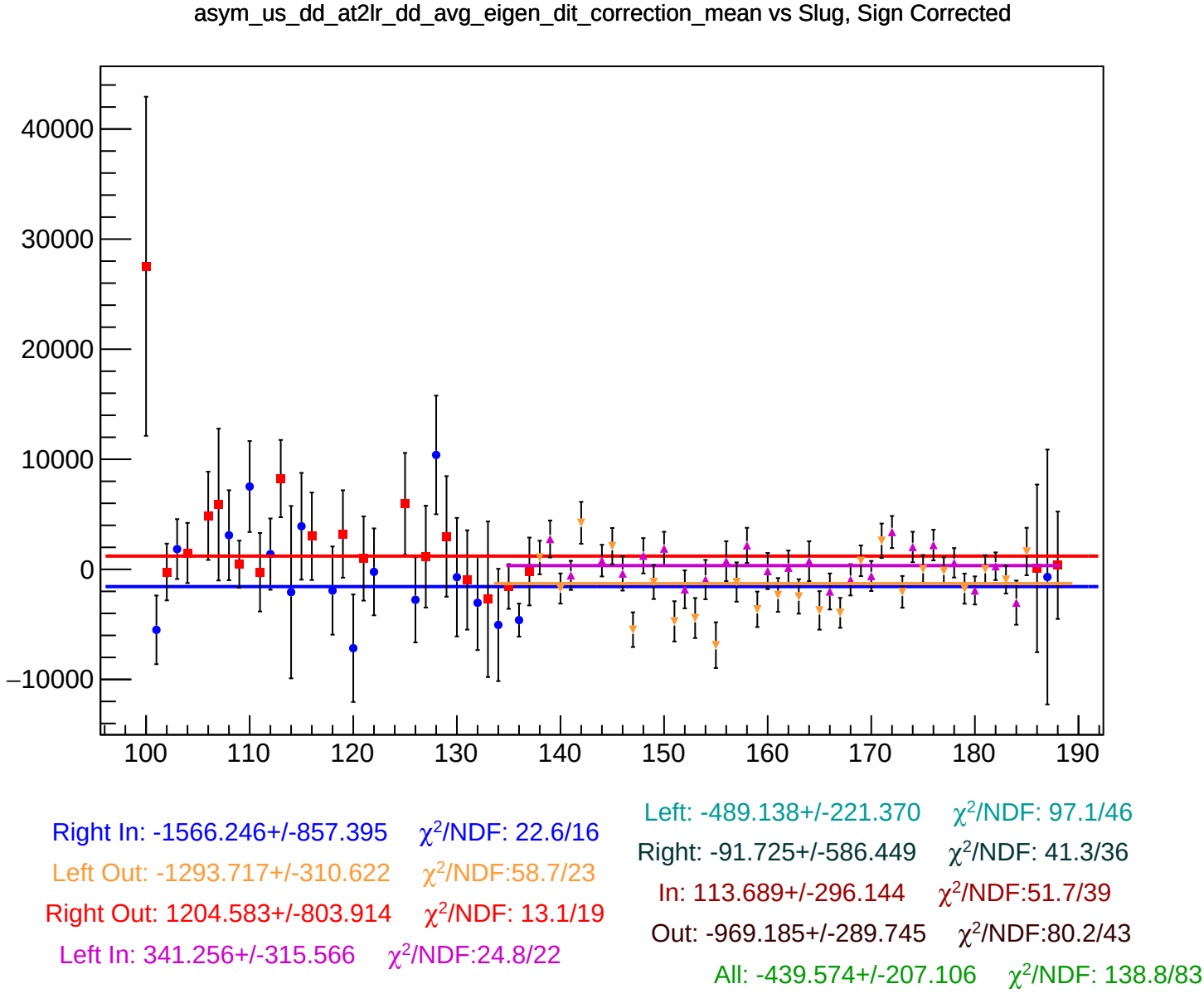
In: 1444.801+/-0.209 χ^2/NDF:3680993.2/39

Out: 1437.010+/-0.205 χ^2/NDF:4929396.4/43

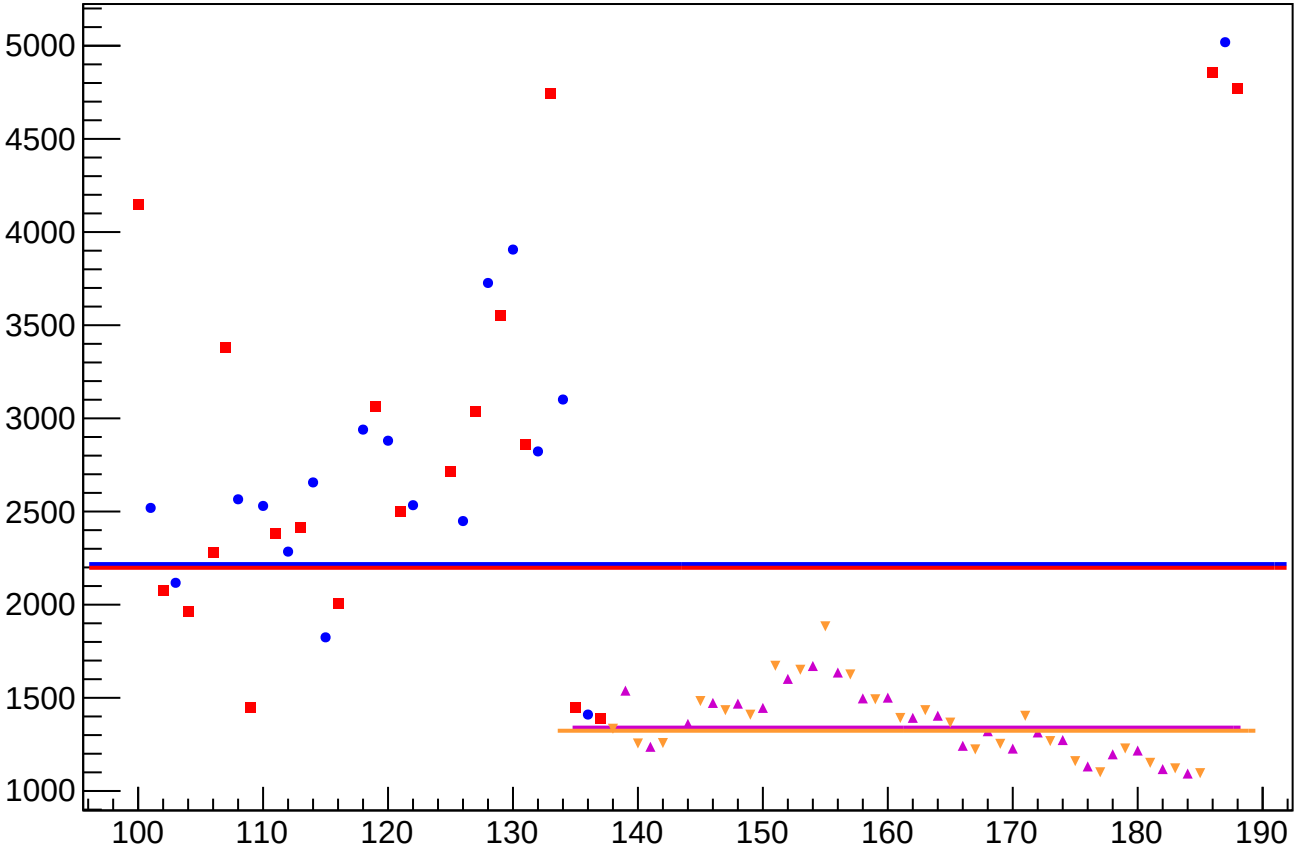
All: 1440.821+/-0.146 χ^2/NDF: 8611096.8/83


eigen_dit_asym_us_dd_at2lr_dd_avg_mean vs Slug, Sign Corrected
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
180
190
Right In: -1618.410+/-788.804 χ²/NDF: 11.3/16
Left Out: -773.576+/-502.816 χ²/NDF:28.6/23
Right Out: 208.023+/-739.007 χ²/NDF: 15.2/19
Left In: -385.269+/-506.052 χ²/NDF:15.6/22
Left: -580.668+/-356.683 χ²/NDF: 44.5/46
Right: -645.727+/-539.303 χ²/NDF: 29.4/36
In: -744.819+/-425.934 χ²/NDF:28.7/39
Out: -462.956+/-415.716 χ²/NDF:44.9/43
All: -600.466+/-297.503 χ²/NDF: 73.9/83


eigen_dit_asym_us_dd_at2lr_dd_avg_rms vs Slug, Sign Corrected
3400
3200
3000
2800
2600
2400
2200
2000
1800
100
110
120
130
140
150
160
170
180
190
Right In: 2134.439+/-0.558 χ²/NDF: 177300.0/16
Left Out: 2164.532+/-0.356 χ²/NDF:50676.3/23
Right Out: 2147.086+/-0.523 χ²/NDF: 183205.8/19
Left In: 2165.643+/-0.358 χ²/NDF:52124.4/22
Left: 2165.084+/-0.252 χ²/NDF: 102805.6/46
Right: 2141.174+/-0.381 χ²/NDF: 360779.6/36
In: 2156.545+/-0.301 χ²/NDF:231641.7/39
Out: 2159.011+/-0.294 χ²/NDF:234644.0/43
All: 2157.808+/-0.210 χ²/NDF: 466320.0/83


asym_us_dd_at2lr_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
100
110
120
130
140
150
160
170
180
190
Right In: -1566.246+/-857.395 χ²/NDF: 22.6/16
Left Out: -1293.717+/-310.622 χ²/NDF:58.7/23
Right Out: 1204.583+/-803.914 χ²/NDF: 13.1/19
Left In: 341.256+/-315.566 χ²/NDF:24.8/22
Left: -489.138+/-221.370 χ²/NDF: 97.1/46
Right: -91.725+/-586.449 χ²/NDF: 41.3/36
In: 113.689+/-296.144 χ²/NDF:51.7/39
Out: -969.185+/-289.745 χ²/NDF:80.2/43
All: -439.574+/-207.106 χ²/NDF: 138.8/83

asym_us_dd_at2lr_dd_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 2217.842+/-0.606 χ^2/NDF: 1340654.7/16

Left Out: 1323.402+/-0.220 χ^2/NDF:663857.6/23

Right Out: 2197.981+/-0.568 χ^2/NDF: 2205958.3/19

Left In: 1340.083+/-0.223 χ^2/NDF:494276.1/22

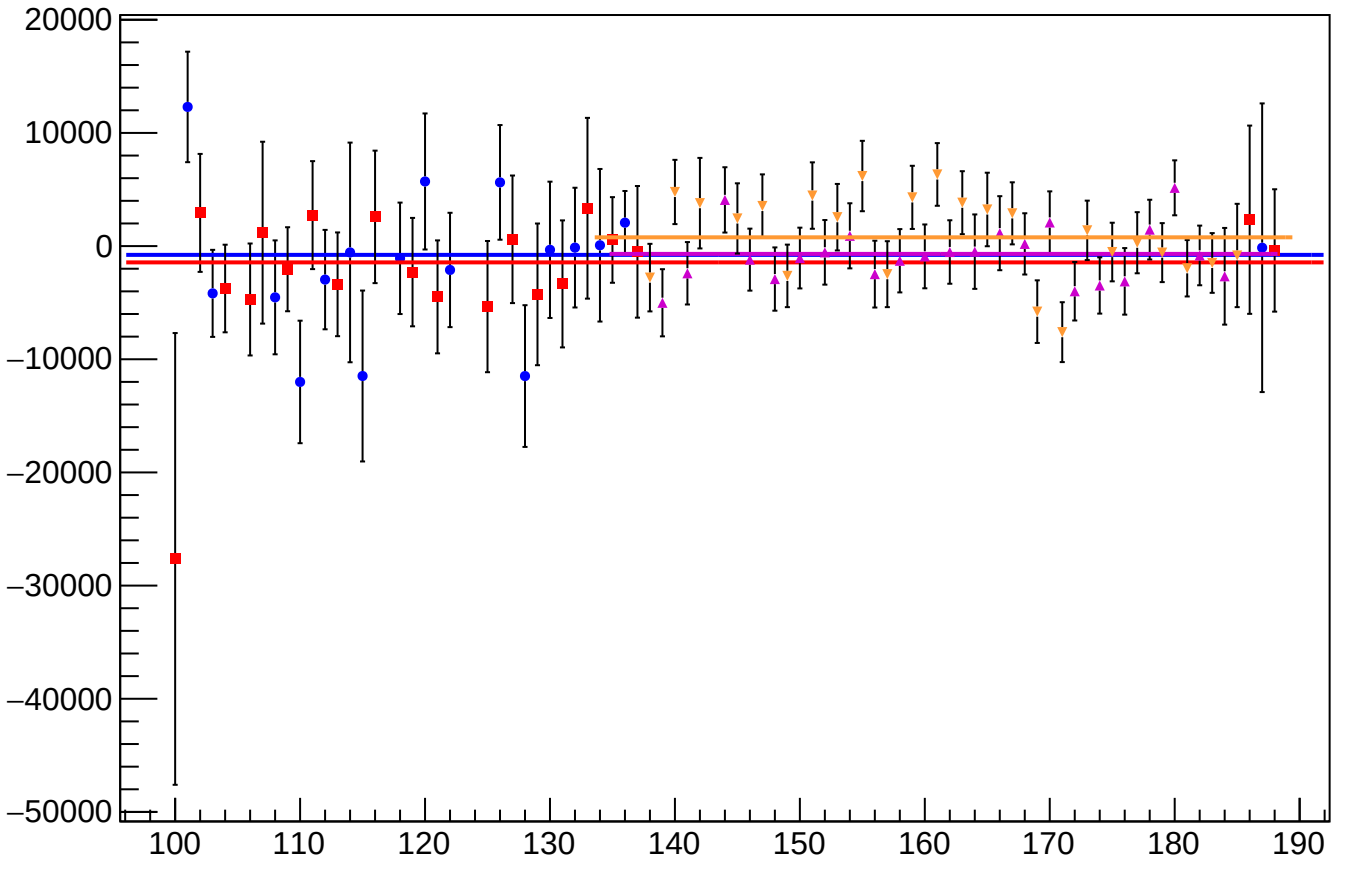
Left: 1331.611+/-0.157 χ^2/NDF: 1160972.0/46

Right: 2207.273+/-0.415 χ^2/NDF: 3547184.1/36

In: 1444.801+/-0.209 χ^2/NDF:3680989.1/39

Out: 1437.011+/-0.205 χ^2/NDF:4929387.9/43

All: 1440.821+/-0.146 χ^2/NDF: 8611084.0/83



Right In: -775.652+/-1235.868 χ^2/NDF: 21.9/16

Left Out: 774.788+/-583.692 χ^2/NDF:39.3/23

Right Out: -1440.044+/-1177.146 χ^2/NDF: 7.0/19

Left In: -689.981+/-587.431 χ^2/NDF:18.3/22

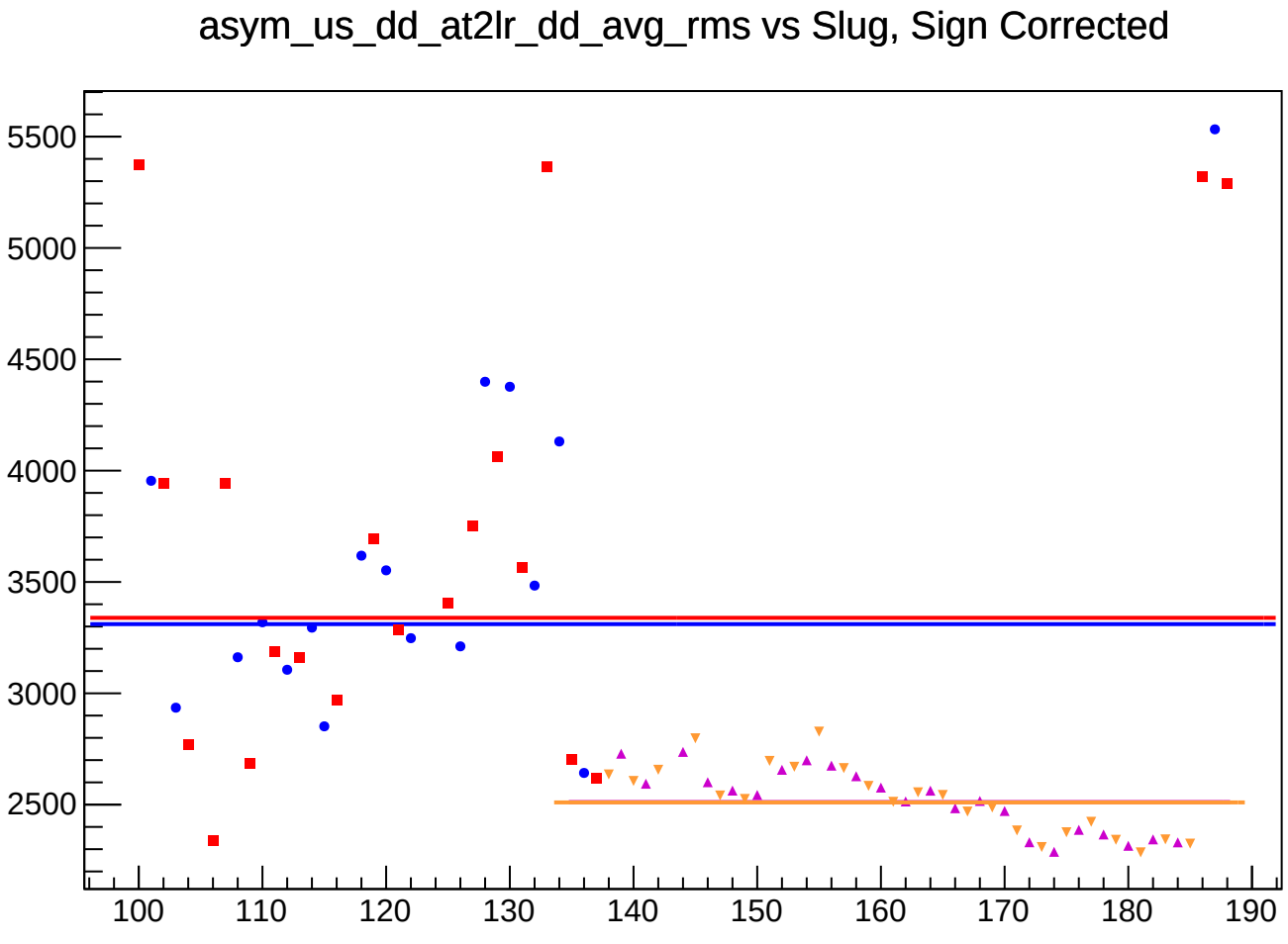
Left: 47.079+/-414.048 χ^2/NDF: 60.8/46

Right: -1124.007+/-852.372 χ^2/NDF: 29.0/36

In: -705.769+/-530.548 χ^2/NDF:40.2/39

Out: 337.693+/-522.935 χ^2/NDF:49.2/43

All: -176.498+/-372.433 χ^2/NDF: 91.4/83



Right In: 3310.751+/-0.874 χ^2/NDF: 408874.9/16

Left Out: 2510.069+/-0.413 χ^2/NDF:128632.5/23

Right Out: 3339.017+/-0.832 χ^2/NDF: 900447.4/19

Left In: 2511.613+/-0.415 χ^2/NDF:113485.5/22

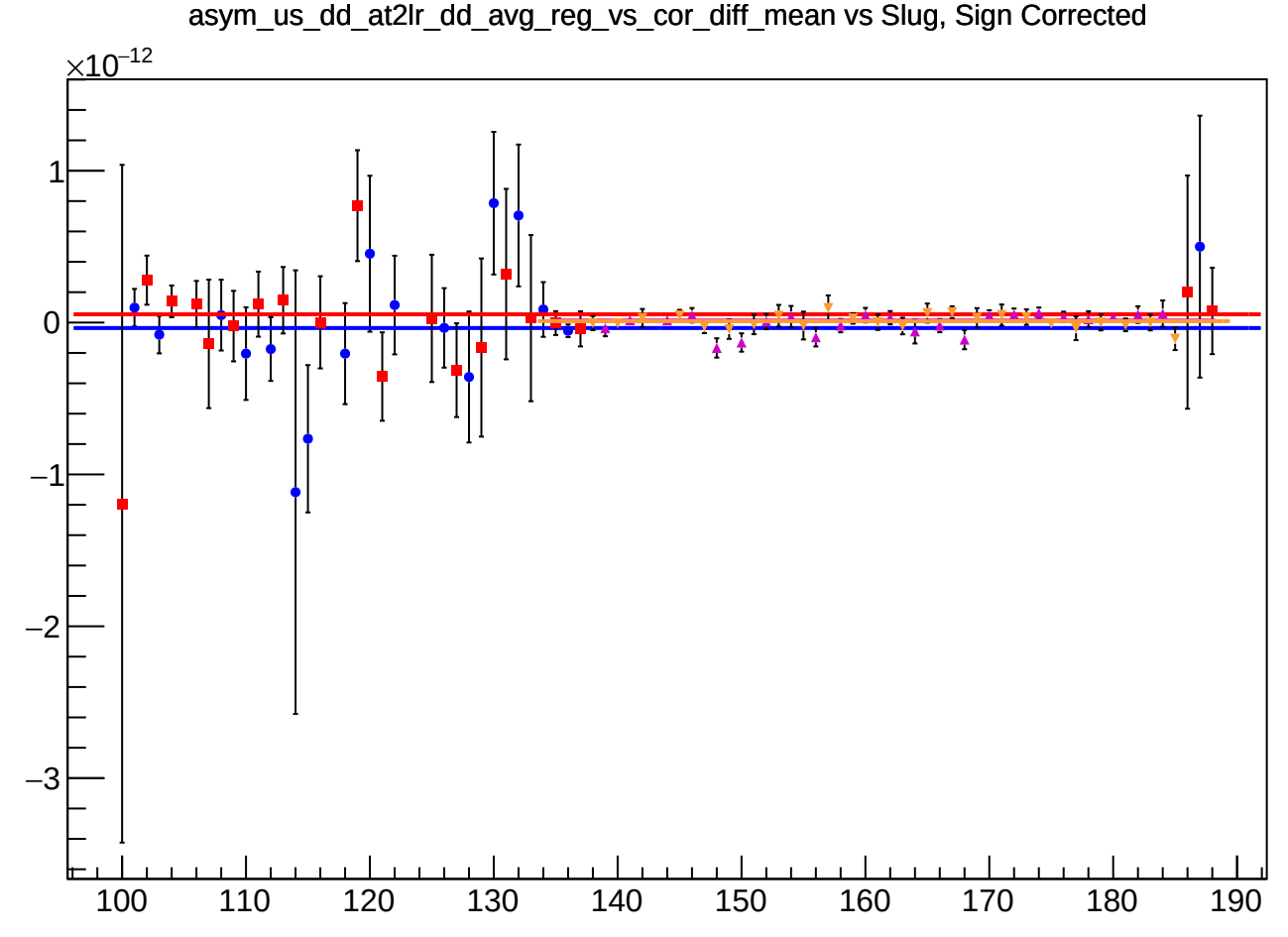
Left: 2510.836+/-0.293 χ^2/NDF: 242124.9/46

Right: 3325.572+/-0.603 χ^2/NDF: 1309870.9/36

In: 2658.887+/-0.375 χ^2/NDF:1204489.0/39

Out: 2673.664+/-0.370 χ^2/NDF:1825167.2/43

All: 2666.382+/-0.263 χ^2/NDF: 3030443.1/83



Right In: -0.000+/-0.000 χ^2/NDF: 13.6/16

Left Out: 0.000+/-0.000 χ^2/NDF:12.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 12.6/19

Left In: 0.000+/-0.000 χ^2/NDF:30.9/22

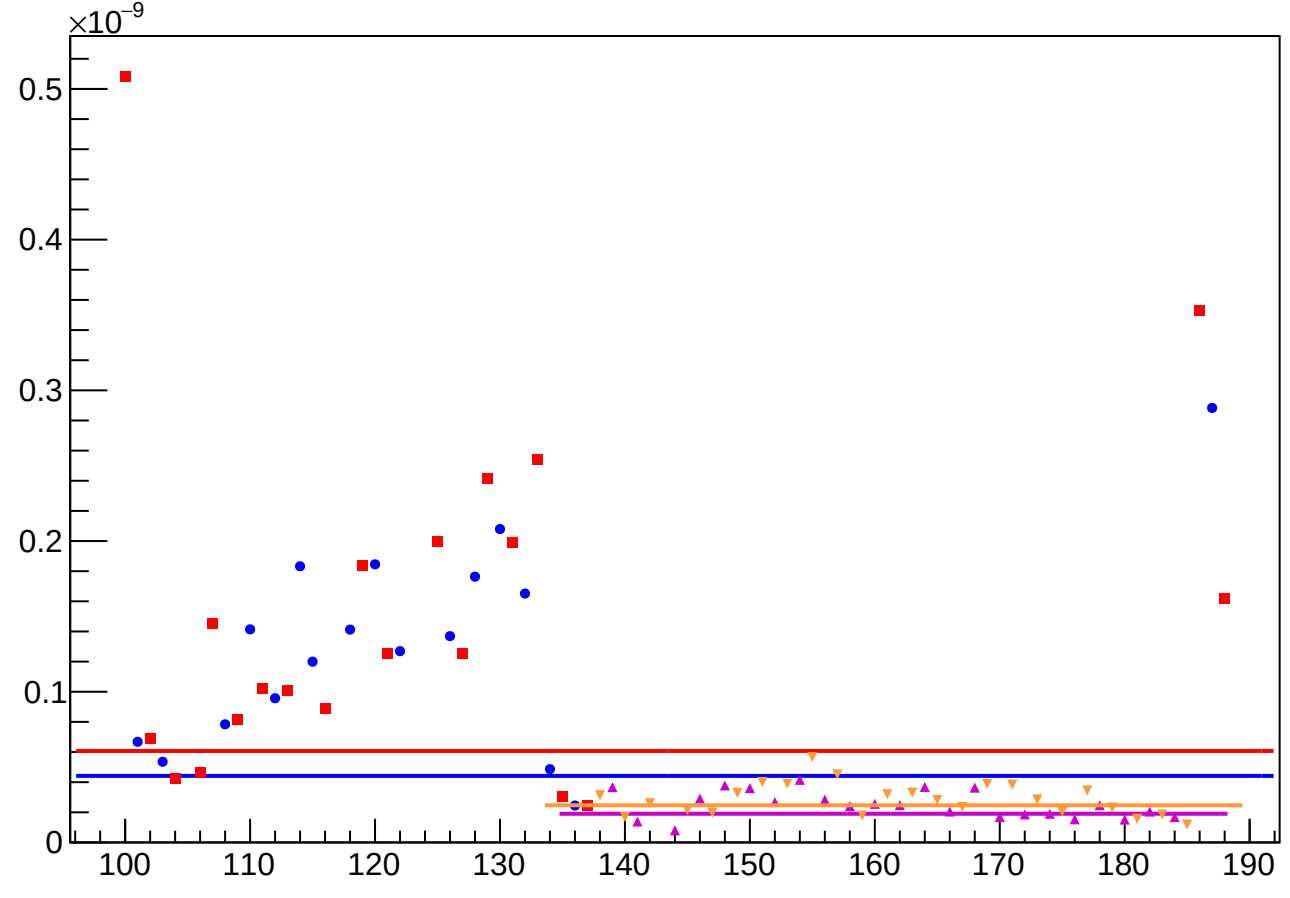
Left: 0.000+/-0.000 χ^2/NDF: 43.2/46

Right: -0.000+/-0.000 χ^2/NDF: 28.9/36

In: 0.000+/-0.000 χ^2/NDF:46.4/39

Out: 0.000+/-0.000 χ^2/NDF:25.8/43

All: 0.000+/-0.000 χ^2/NDF: 72.2/83



Right In: 0.000+/-0.000 χ^2/NDF: 2388464.1/16

Left Out: 0.000+/-0.000 χ^2/NDF:1413212.9/23

Right Out: 0.000+/-0.000 χ^2/NDF: 2640840.8/19

Left In: 0.000+/-0.000 χ^2/NDF:2190334.0/22

Left: 0.000+/-0.000 χ^2/NDF: 3972817.3/46

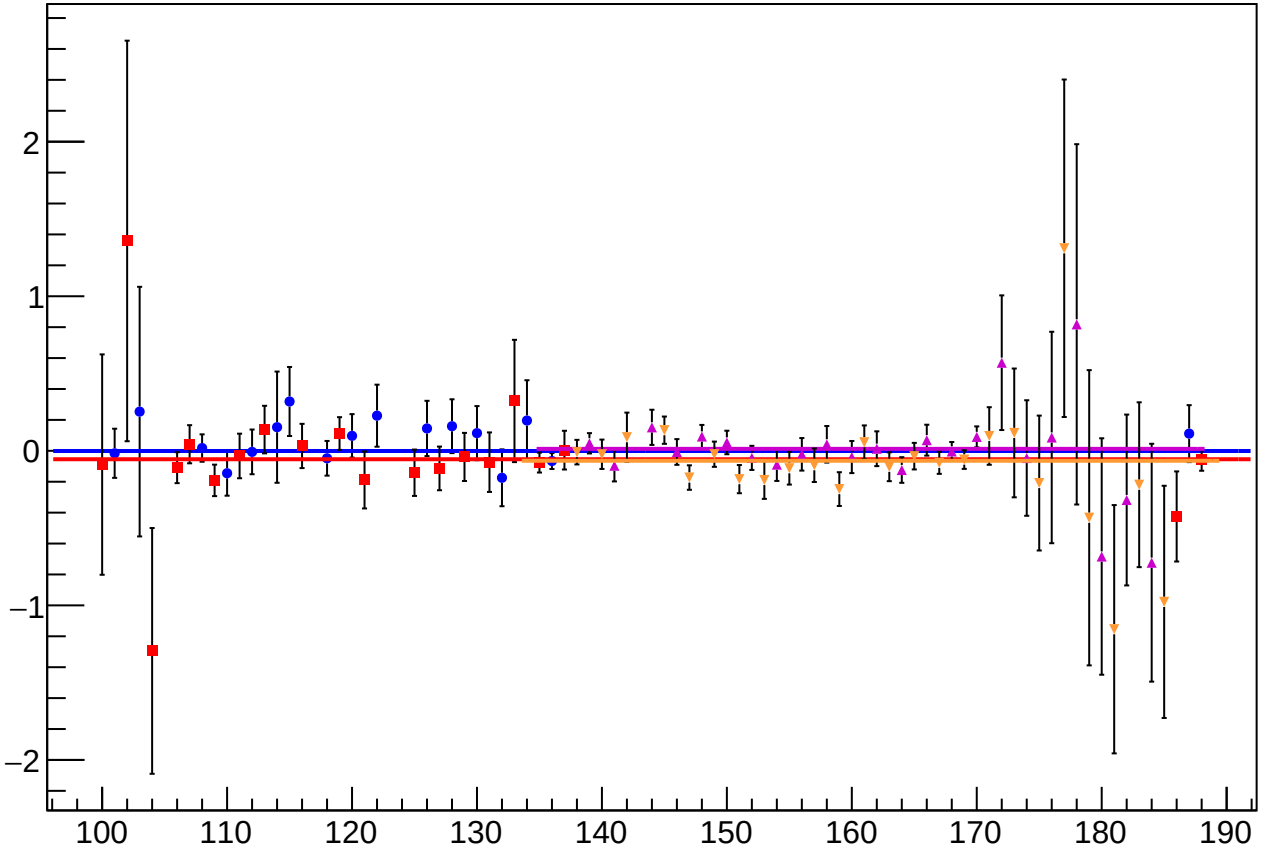
Right: 0.000+/-0.000 χ^2/NDF: 5211261.9/36

In: 0.000+/-0.000 χ^2/NDF:5587552.0/39

Out: 0.000+/-0.000 χ^2/NDF:5399811.2/43

All: 0.000+/-0.000 χ^2/NDF: 11435015.9/83

asym_us_dd_at2lr_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.001+/-0.032 χ^2/NDF: 10.7/16

Left Out: -0.064+/-0.022 χ^2/NDF:22.3/23

Right Out: -0.055+/-0.029 χ^2/NDF: 14.7/19

Left In: 0.013+/-0.021 χ^2/NDF:15.0/22

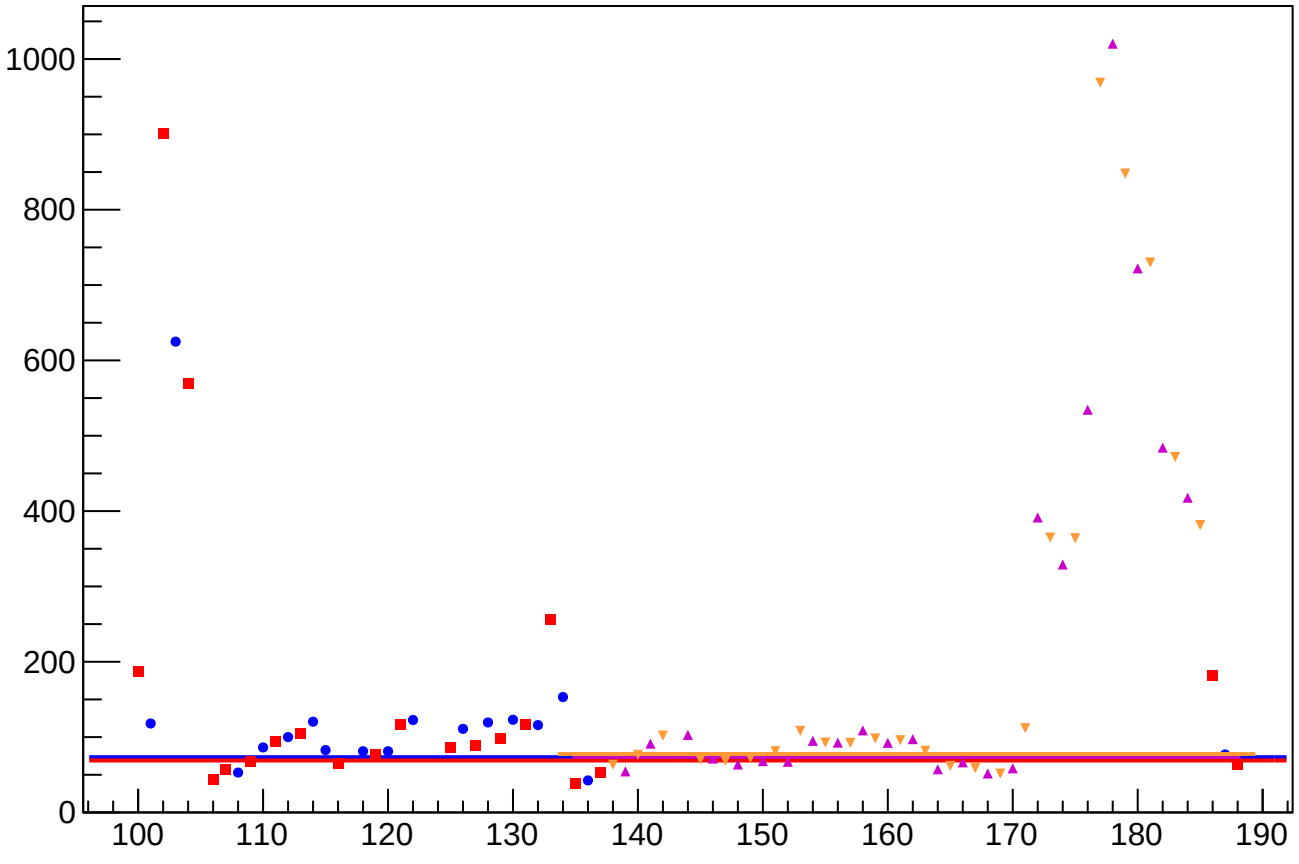
Left: -0.024+/-0.015 χ^2/NDF: 43.7/46

Right: -0.030+/-0.021 χ^2/NDF: 26.9/36

In: 0.008+/-0.018 χ^2/NDF:25.9/39

Out: -0.061+/-0.018 χ^2/NDF:37.1/43

All: -0.026+/-0.012 χ^2/NDF: 70.7/83



Right In: 73.345+/-0.022 χ^2/NDF: 2855388.4/16

Left Out: 77.533+/-0.016 χ^2/NDF:8331194.0/23

Right Out: 68.977+/-0.020 χ^2/NDF: 3643854.7/19

Left In: 74.216+/-0.015 χ^2/NDF:8514080.5/22

Left: 75.800+/-0.011 χ^2/NDF: 16868814.0/46

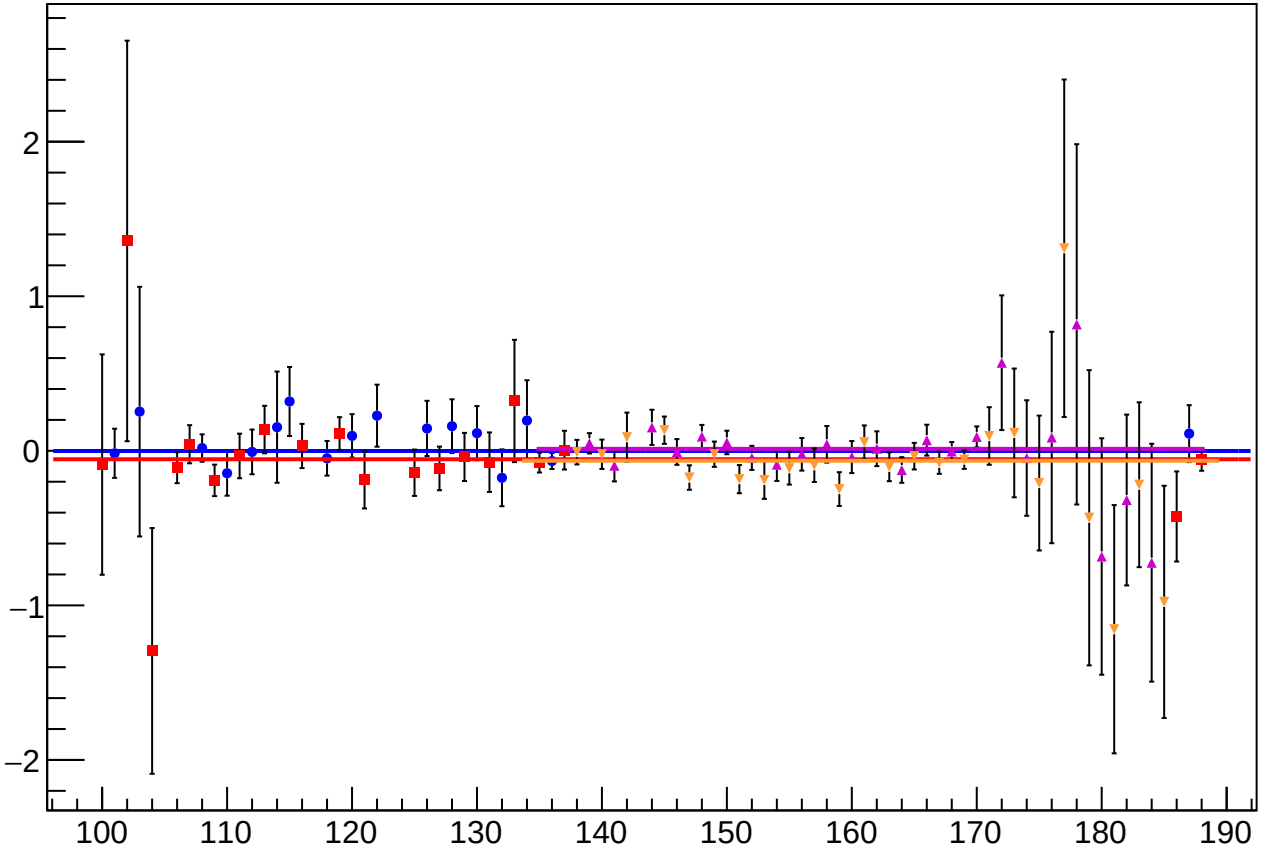
Right: 70.948+/-0.015 χ^2/NDF: 6520014.2/36

In: 73.949+/-0.012 χ^2/NDF:11370513.6/39

Out: 74.360+/-0.012 χ^2/NDF:12086173.8/43

All: 74.155+/-0.009 χ^2/NDF: 23457236.6/83

asym_us_dd_at2lr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.001+/-0.032 χ^2/NDF: 10.7/16

Left Out: -0.064+/-0.022 χ^2/NDF:22.3/23

Right Out: -0.055+/-0.029 χ^2/NDF: 14.7/19

Left In: 0.013+/-0.021 χ^2/NDF:15.0/22

Left: -0.024+/-0.015 χ^2/NDF: 43.7/46

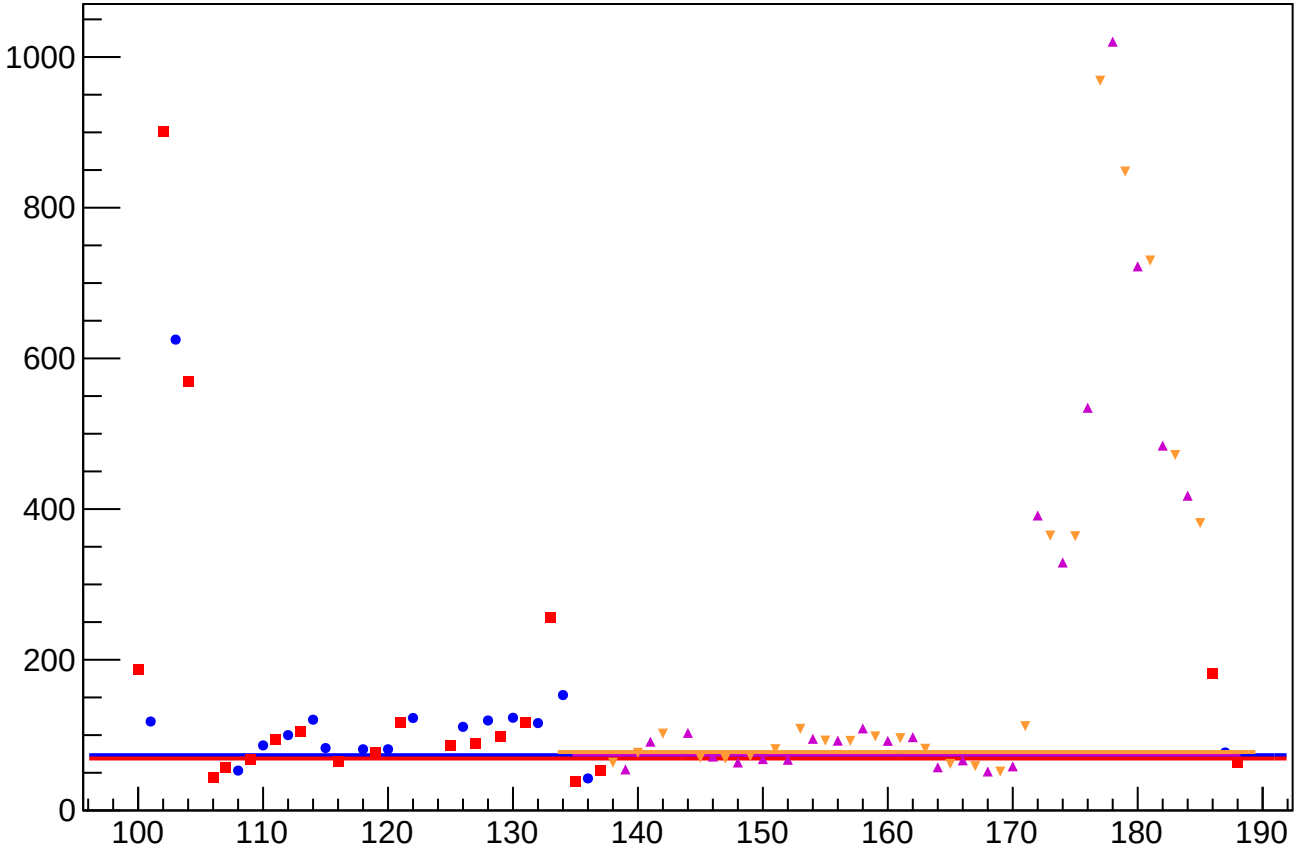
Right: -0.030+/-0.021 χ^2/NDF: 26.9/36

In: 0.008+/-0.018 χ^2/NDF:25.9/39

Out: -0.061+/-0.018 χ^2/NDF:37.1/43

All: -0.026+/-0.012 χ^2/NDF: 70.7/83

asym_us_dd_at2lr_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 73.345+/-0.022 χ^2/NDF: 2855388.4/16

Left Out: 77.533+/-0.016 χ^2/NDF:8331194.0/23

Right Out: 68.977+/-0.020 χ^2/NDF: 3643854.7/19

Left In: 74.216+/-0.015 χ^2/NDF:8514080.5/22

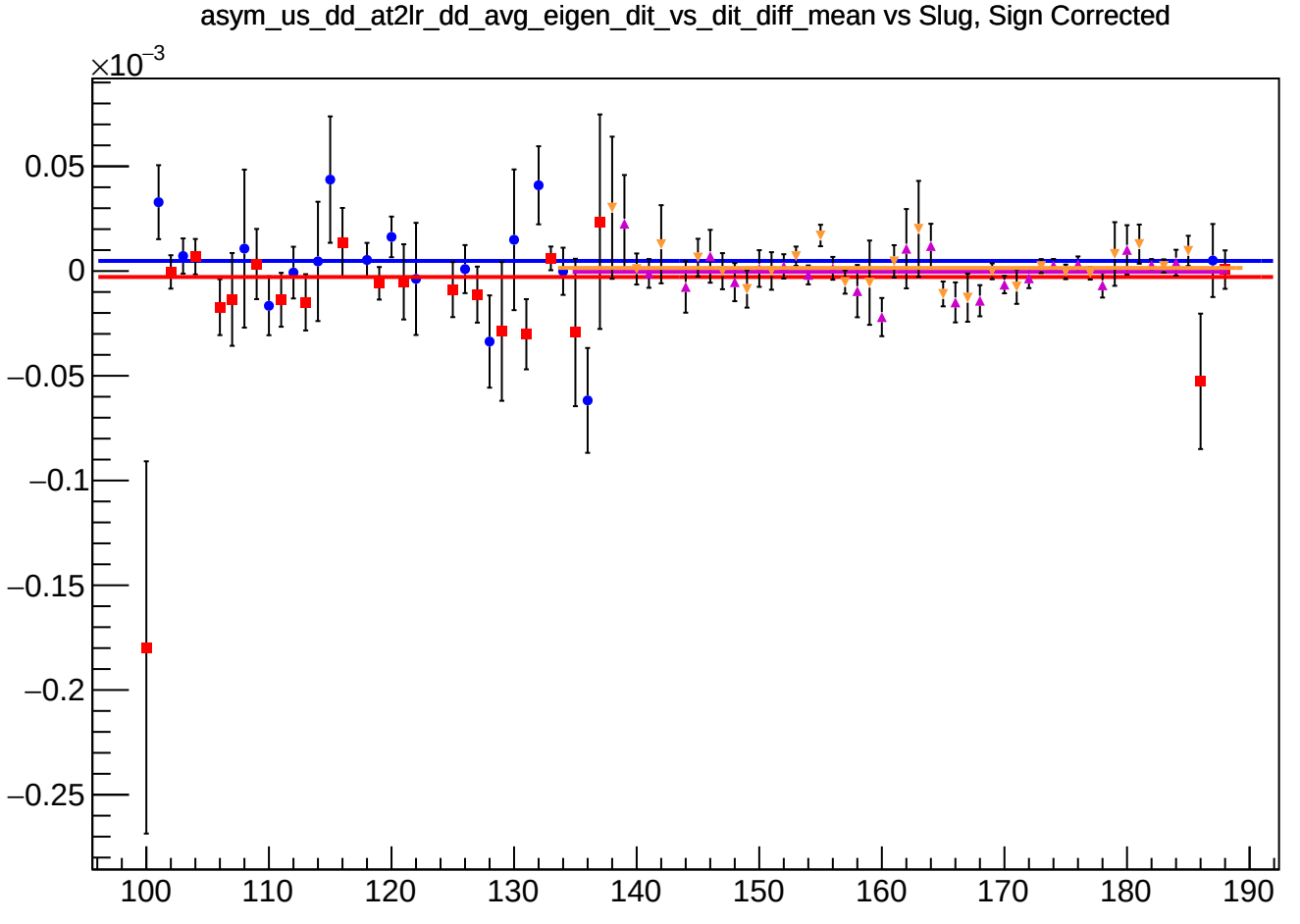
Left: 75.800+/-0.011 χ^2/NDF: 16868814.0/46

Right: 70.948+/-0.015 χ^2/NDF: 6520014.2/36

In: 73.949+/-0.012 χ^2/NDF:11370513.6/39

Out: 74.360+/-0.012 χ^2/NDF:12086173.8/43

All: 74.155+/-0.009 χ^2/NDF: 23457236.6/83



Right In: 0.000+/-0.000 χ^2/NDF: 22.6/16

Left Out: 0.000+/-0.000 χ^2/NDF:27.1/23

Right Out: -0.000+/-0.000 χ^2/NDF: 19.3/19

Left In: -0.000+/-0.000 χ^2/NDF:24.6/22

Left: 0.000+/-0.000 χ^2/NDF: 52.9/46

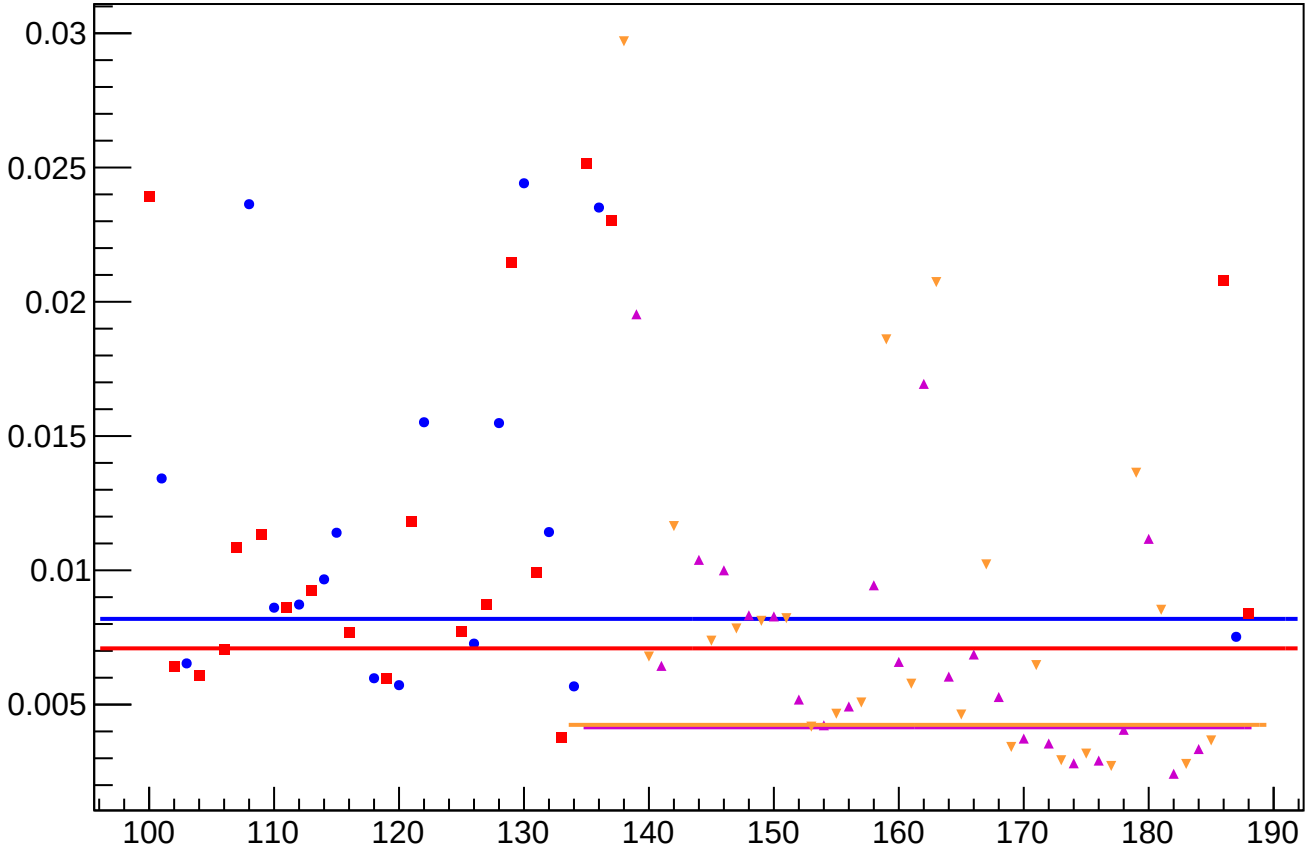
Right: 0.000+/-0.000 χ^2/NDF: 45.0/36

In: 0.000+/-0.000 χ^2/NDF:49.2/39

Out: 0.000+/-0.000 χ^2/NDF:48.6/43

All: 0.000+/-0.000 χ^2/NDF: 98.0/83

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 2659223.0/16

Left Out: 0.004+/-0.000 χ^2/NDF:8650909.7/23

Right Out: 0.007+/-0.000 χ^2/NDF: 2837194.4/19

Left In: 0.004+/-0.000 χ^2/NDF:6886421.5/22

Left: 0.004+/-0.000 χ^2/NDF: 15543472.1/46

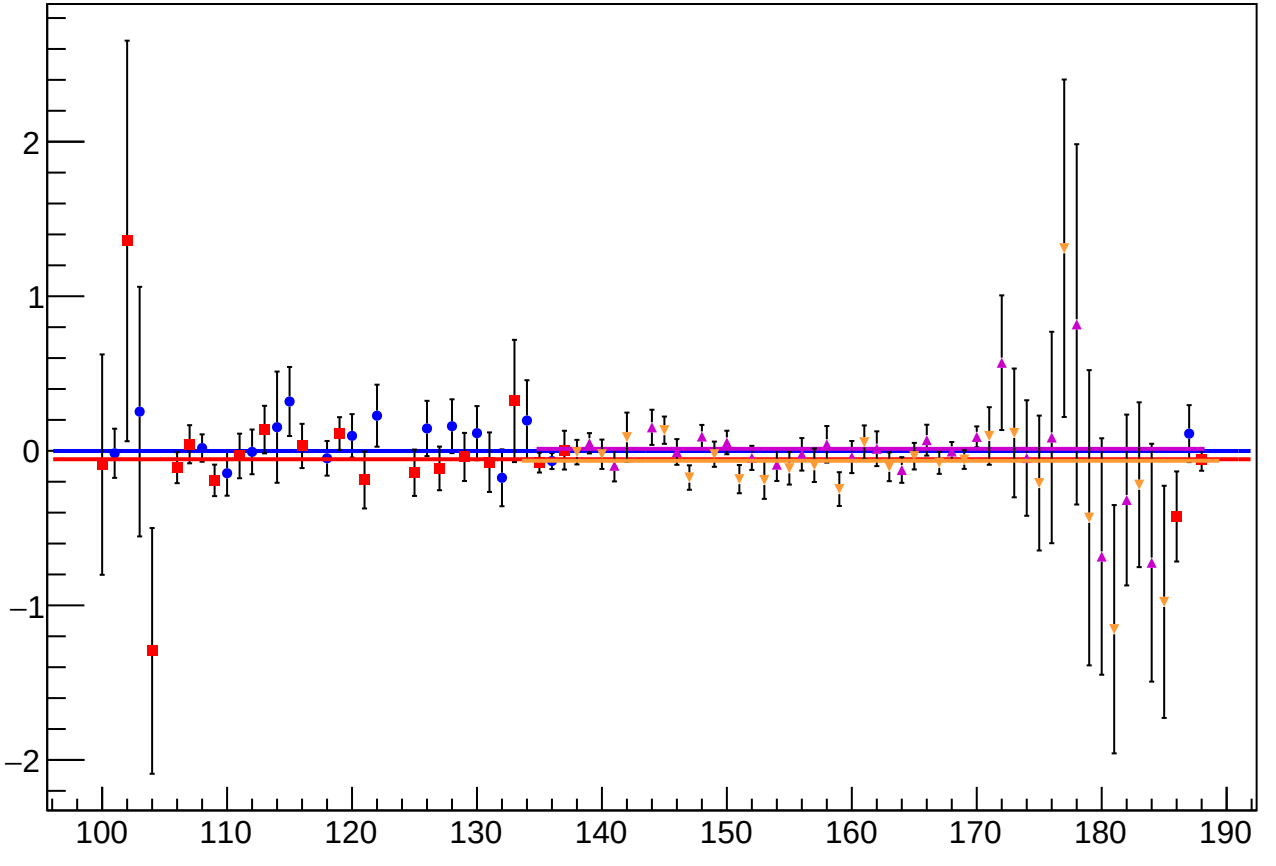
Right: 0.008+/-0.000 χ^2/NDF: 5623157.3/36

In: 0.005+/-0.000 χ^2/NDF:12029614.3/39

Out: 0.005+/-0.000 χ^2/NDF:13369829.6/43

All: 0.005+/-0.000 χ^2/NDF: 25408060.8/83

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.001+/-0.032 χ^2/NDF: 10.7/16

Left Out: -0.064+/-0.022 χ^2/NDF:22.3/23

Right Out: -0.055+/-0.029 χ^2/NDF: 14.7/19

Left In: 0.013+/-0.021 χ^2/NDF:15.0/22

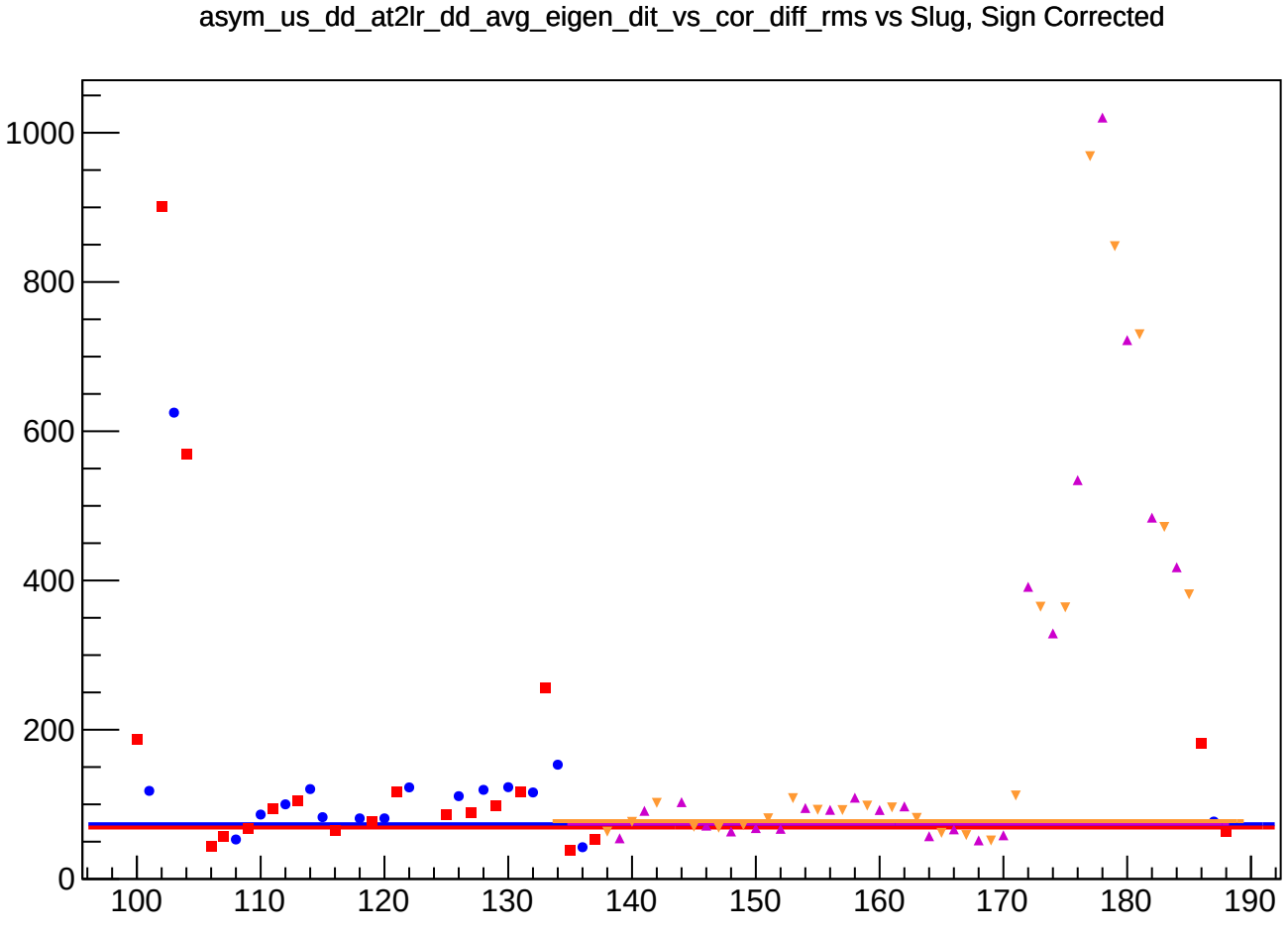
Left: -0.024+/-0.015 χ^2/NDF: 43.7/46

Right: -0.030+/-0.021 χ^2/NDF: 26.9/36

In: 0.008+/-0.018 χ^2/NDF:25.9/39

Out: -0.061+/-0.018 χ^2/NDF:37.1/43

All: -0.026+/-0.012 χ^2/NDF: 70.7/83



Right In: 73.369+/-0.022 χ^2/NDF: 2853084.3/16

Left Out: 77.533+/-0.016 χ^2/NDF:8331106.7/23

Right Out: 68.968+/-0.020 χ^2/NDF: 3644860.8/19

Left In: 74.217+/-0.015 χ^2/NDF:8513791.3/22

Left: 75.800+/-0.011 χ^2/NDF: 16868415.3/46

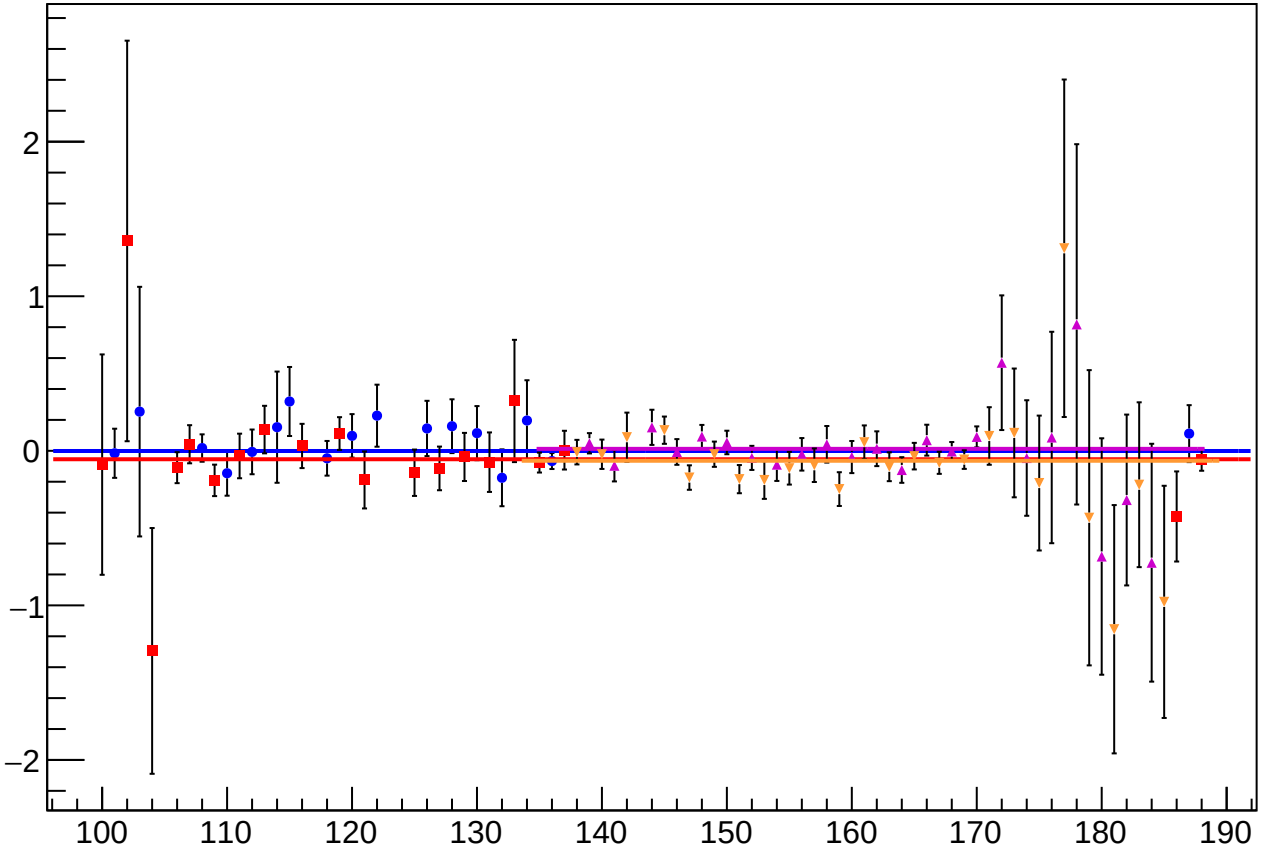
Right: 70.954+/-0.015 χ^2/NDF: 6519029.6/36

In: 73.957+/-0.012 χ^2/NDF:11367865.2/39

Out: 74.356+/-0.012 χ^2/NDF:12087320.1/43

All: 74.157+/-0.009 χ^2/NDF: 23455702.6/83

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.001+/-0.032 χ^2/NDF: 10.7/16

Left Out: -0.064+/-0.022 χ^2/NDF:22.3/23

Right Out: -0.055+/-0.029 χ^2/NDF: 14.7/19

Left In: 0.013+/-0.021 χ^2/NDF:15.0/22

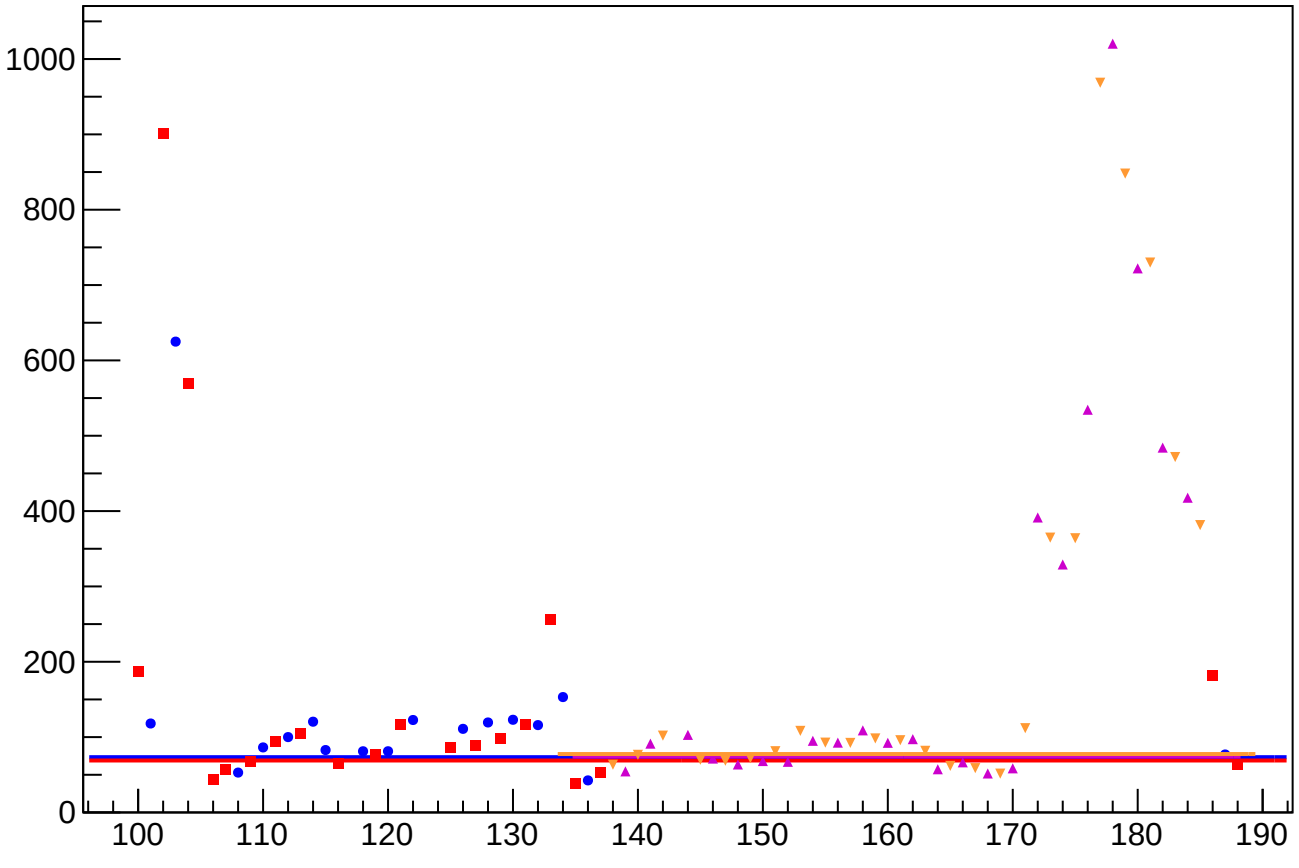
Left: -0.024+/-0.015 χ^2/NDF: 43.7/46

Right: -0.030+/-0.021 χ^2/NDF: 26.9/36

In: 0.008+/-0.018 χ^2/NDF:25.9/39

Out: -0.061+/-0.018 χ^2/NDF:37.1/43

All: -0.026+/-0.012 χ^2/NDF: 70.7/83



Right In: 73.369+/-0.022 χ^2/NDF: 2853084.3/16

Left Out: 77.533+/-0.016 χ^2/NDF:8331106.7/23

Right Out: 68.968+/-0.020 χ^2/NDF: 3644860.8/19

Left In: 74.217+/-0.015 χ^2/NDF:8513791.3/22

Left: 75.800+/-0.011 χ^2/NDF: 16868415.3/46

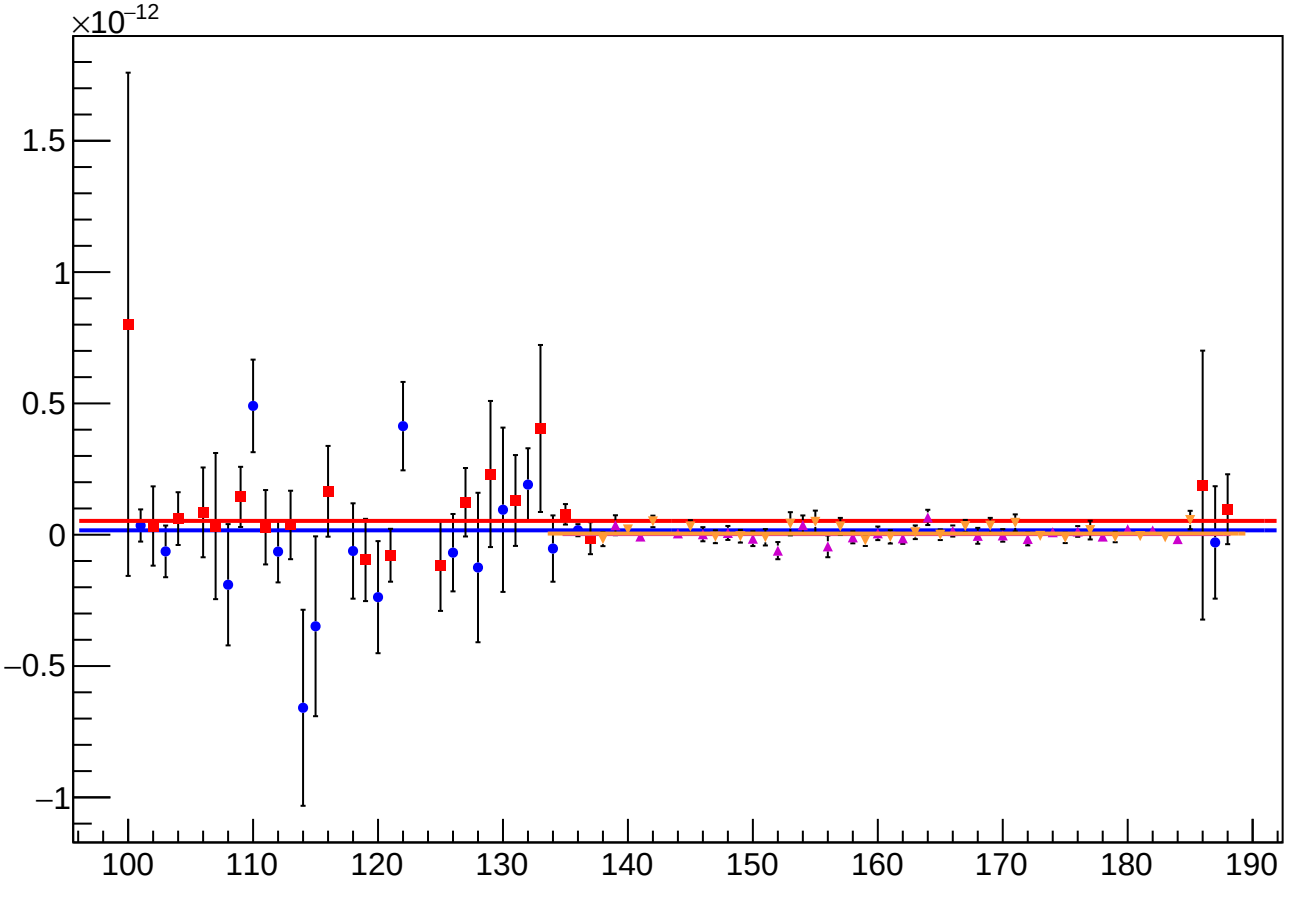
Right: 70.954+/-0.015 χ^2/NDF: 6519029.6/36

In: 73.957+/-0.012 χ^2/NDF:11367865.2/39

Out: 74.356+/-0.012 χ^2/NDF:12087320.1/43

All: 74.157+/-0.009 χ^2/NDF: 23455702.6/83

asym_us_dd_at2lr_dd_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 23.4/16

Left Out: 0.000+/-0.000 χ^2/NDF:21.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 9.3/19

Left In: 0.000+/-0.000 χ^2/NDF:17.5/22

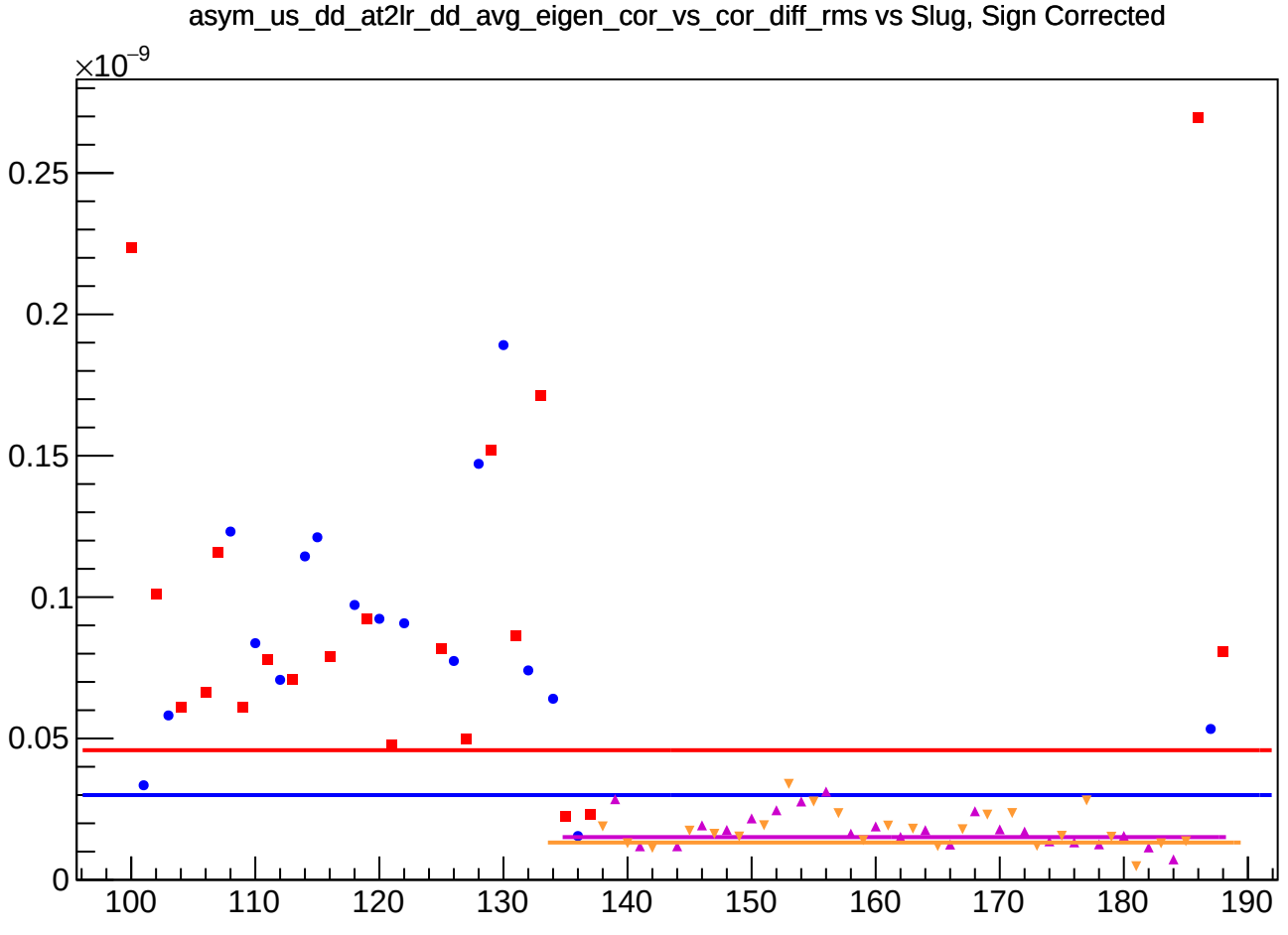
Left: 0.000+/-0.000 χ^2/NDF: 39.3/46

Right: 0.000+/-0.000 χ^2/NDF: 34.0/36

In: 0.000+/-0.000 χ^2/NDF:41.5/39

Out: 0.000+/-0.000 χ^2/NDF:34.7/43

All: 0.000+/-0.000 χ^2/NDF: 76.4/83



Right In: 0.000+/-0.000 χ^2/NDF: 4103836.6/16

Left Out: 0.000+/-0.000 χ^2/NDF:4237321.5/23

Right Out: 0.000+/-0.000 χ^2/NDF: 3306819.3/19

Left In: 0.000+/-0.000 χ^2/NDF:2148796.4/22

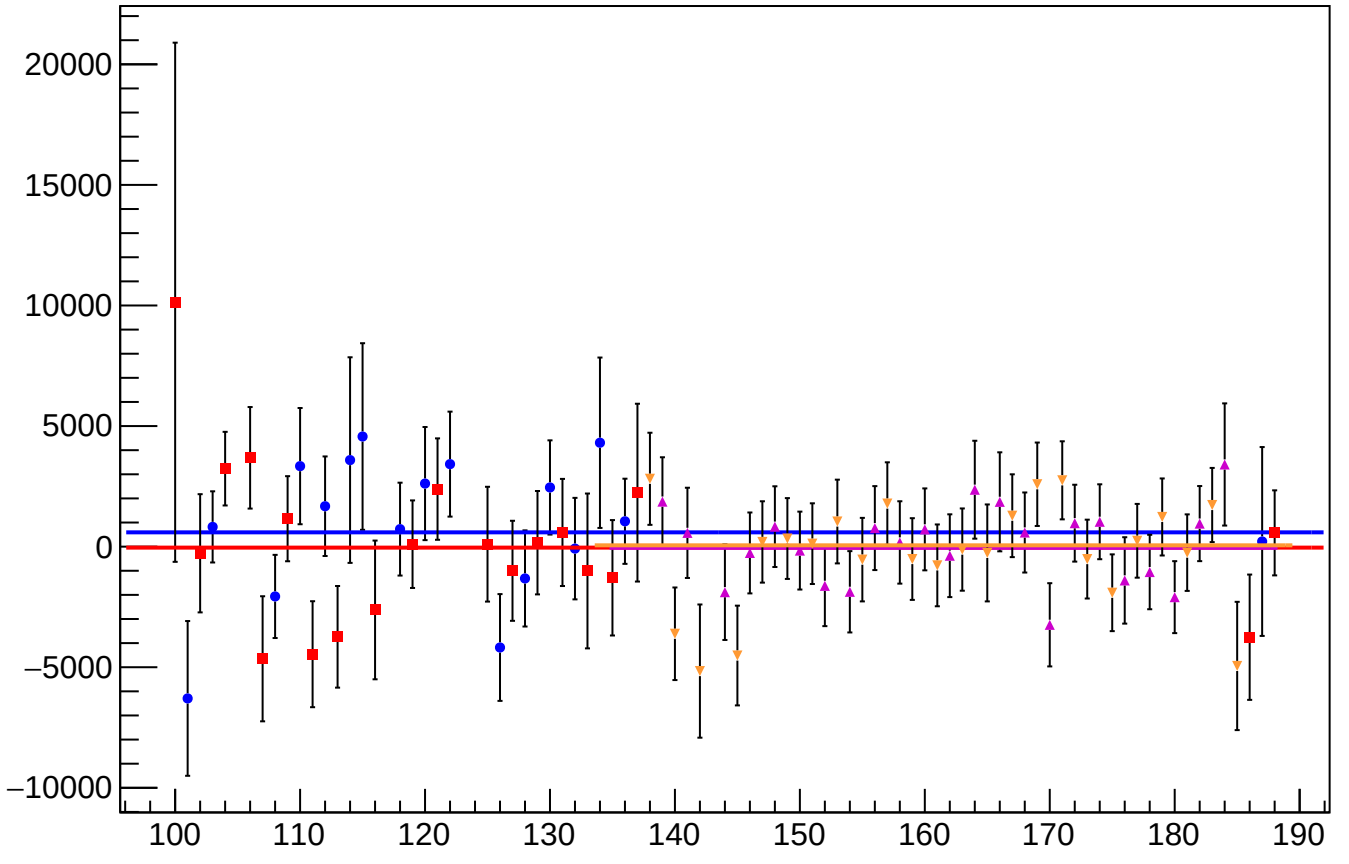
Left: 0.000+/-0.000 χ^2/NDF: 6568948.9/46

Right: 0.000+/-0.000 χ^2/NDF: 7932971.8/36

In: 0.000+/-0.000 χ^2/NDF:7378119.9/39

Out: 0.000+/-0.000 χ^2/NDF:11029943.2/43

All: 0.000+/-0.000 χ^2/NDF: 18564198.0/83



Right In: 592.936+/-534.989 χ^2/NDF: 20.3/16

Left Out: 54.770+/-356.375 χ^2/NDF:28.5/23

Right Out: -40.309+/-498.318 χ^2/NDF: 24.7/19

Left In: -48.177+/-359.531 χ^2/NDF:16.8/22

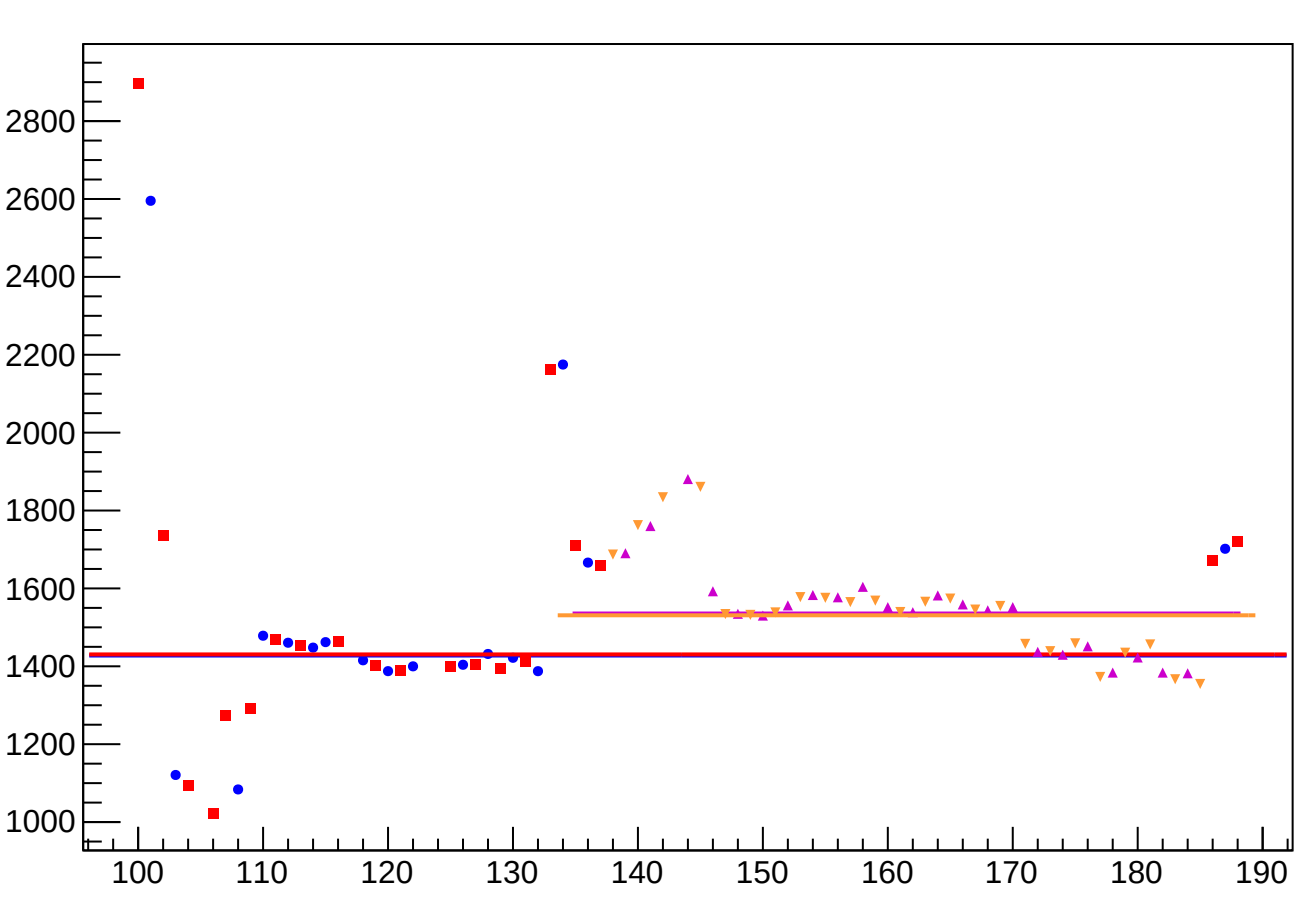
Left: 3.751+/-253.103 χ^2/NDF: 45.3/46

Right: 253.869+/-364.640 χ^2/NDF: 45.8/36

In: 151.286+/-298.406 χ^2/NDF:38.1/39

Out: 22.597+/-289.875 χ^2/NDF:53.2/43

All: 85.076+/-207.923 χ^2/NDF: 91.4/83



Right In: 1427.728+/-0.378 χ^2/NDF: 570243.5/16

Left Out: 1530.976+/-0.252 χ^2/NDF:203539.8/23

Right Out: 1430.498+/-0.352 χ^2/NDF: 474652.3/19

Left In: 1535.551+/-0.254 χ^2/NDF:192432.7/22

Left: 1533.243+/-0.179 χ^2/NDF: 396135.8/46

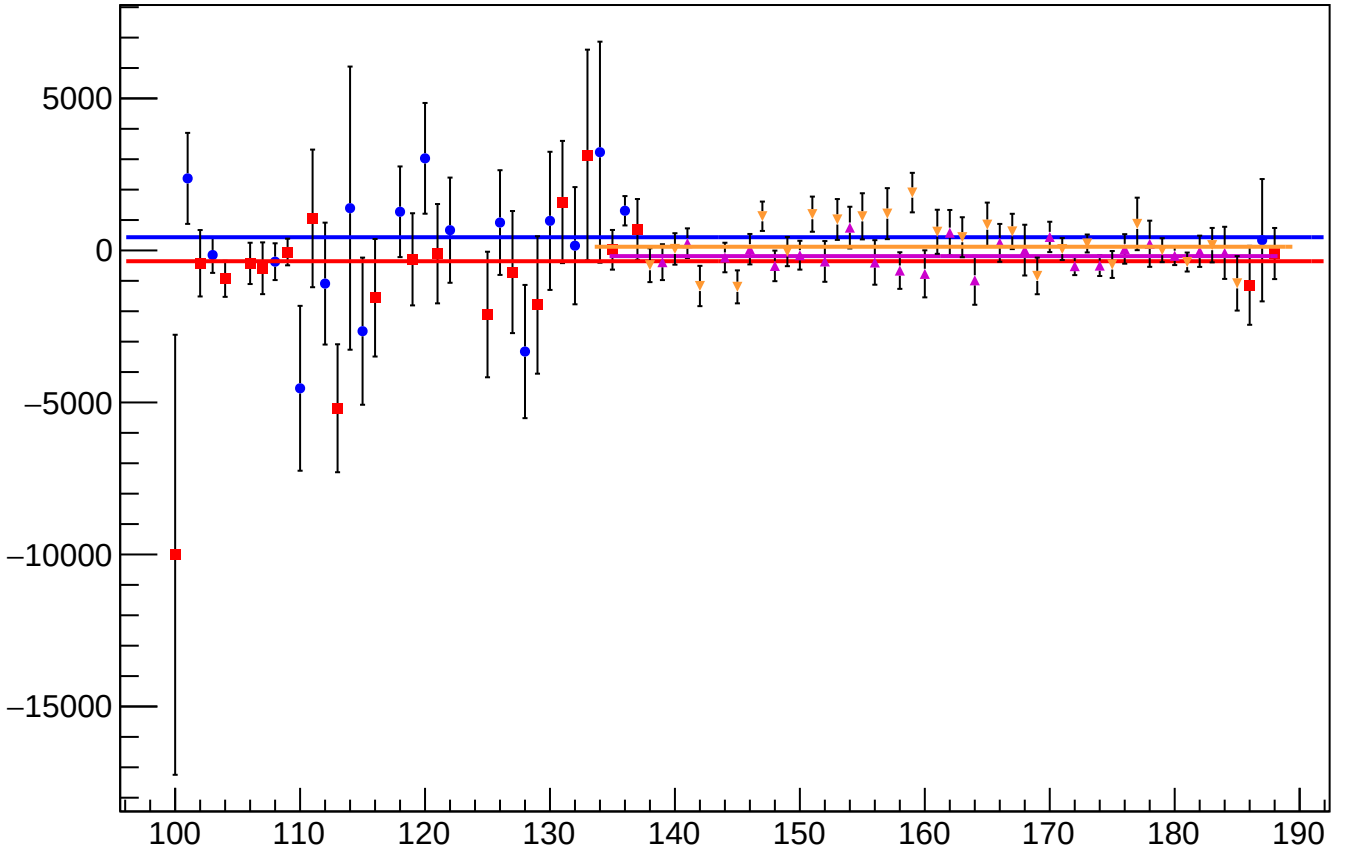
Right: 1429.211+/-0.258 χ^2/NDF: 1044924.6/36

In: 1502.005+/-0.211 χ^2/NDF:818639.9/39

Out: 1496.976+/-0.205 χ^2/NDF:731989.6/43

All: 1499.418+/-0.147 χ^2/NDF: 1550921.8/83

asym_us_dd_at2lr_dd_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 434.664+/-273.358 χ^2/NDF: 19.3/16

Left Out: 121.327+/-105.060 χ^2/NDF:43.6/23

Right Out: -354.708+/-221.888 χ^2/NDF: 14.4/19

Left In: -186.828+/-106.975 χ^2/NDF:11.6/22

Left: -29.966+/-74.957 χ^2/NDF: 59.5/46

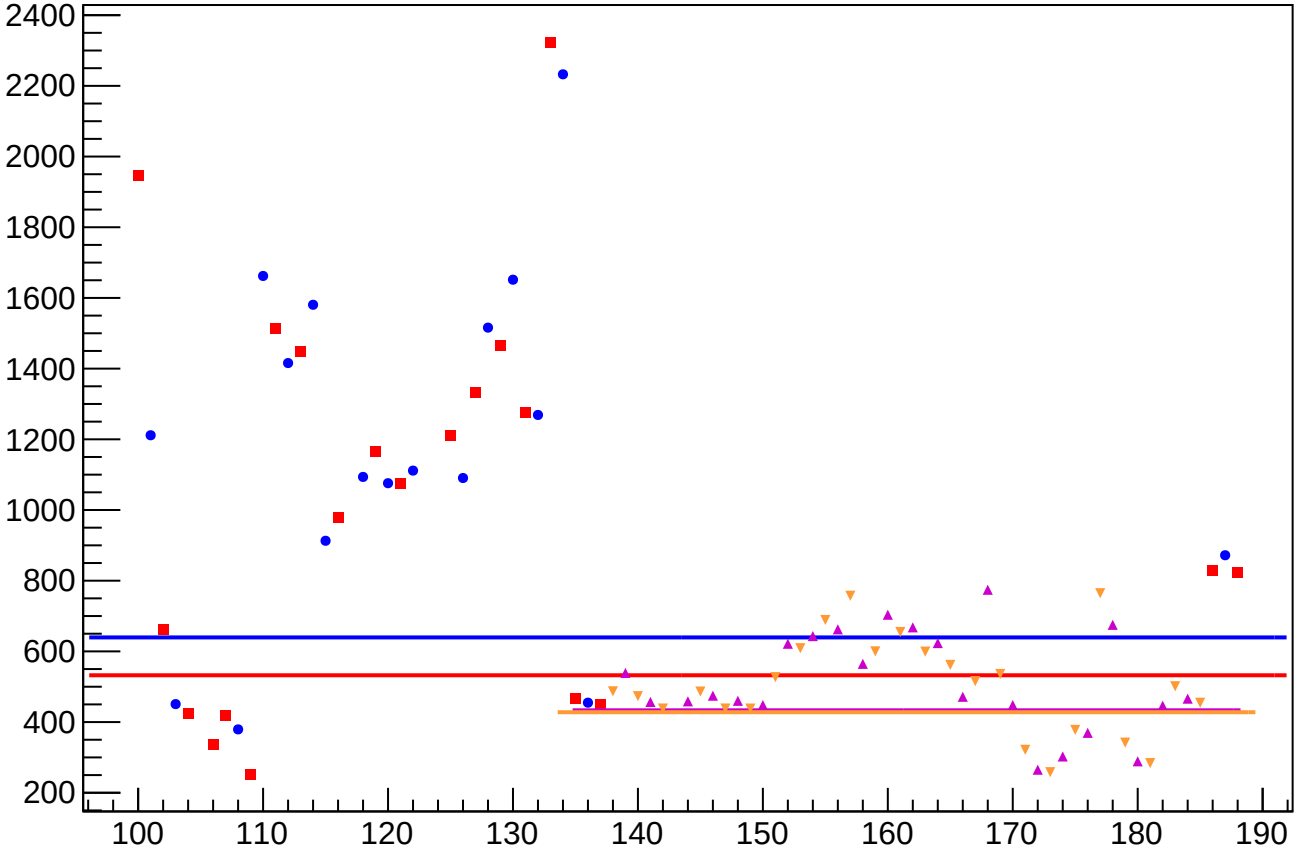
Right: -41.183+/-172.277 χ^2/NDF: 38.8/36

In: -104.289+/-99.619 χ^2/NDF:35.4/39

Out: 34.151+/-94.954 χ^2/NDF:61.8/43

All: -31.752+/-68.733 χ^2/NDF: 98.2/83

asym_us_dd_at2lr_dd_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 639.508+/-0.193 χ^2/NDF: 3779796.5/16

Left Out: 427.814+/-0.074 χ^2/NDF:3188159.5/23

Right Out: 532.428+/-0.157 χ^2/NDF: 4692907.5/19

Left In: 433.283+/-0.076 χ^2/NDF:3247998.9/22

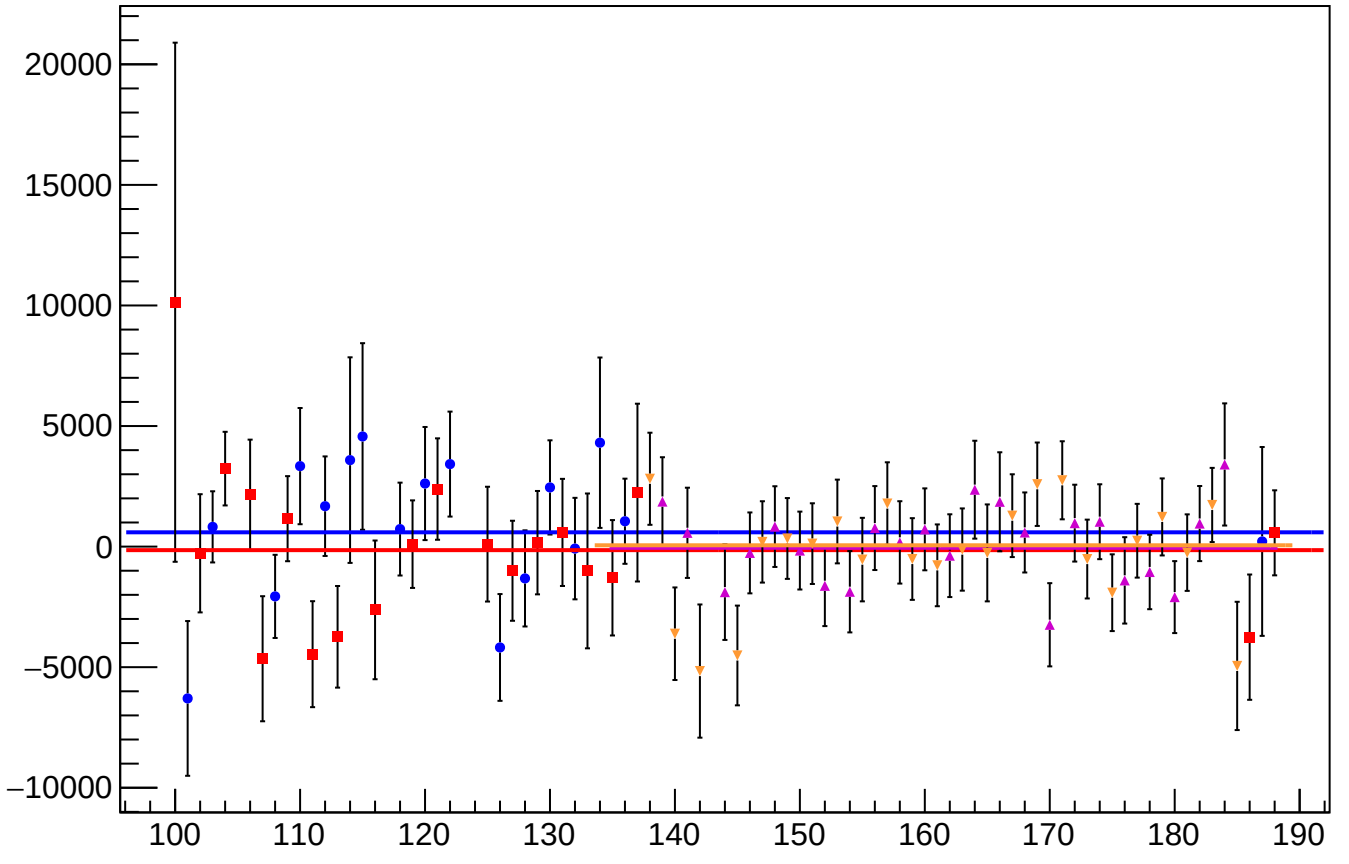
Left: 430.499+/-0.053 χ^2/NDF: 6438819.2/46

Right: 574.959+/-0.122 χ^2/NDF: 8657702.7/36

In: 460.671+/-0.070 χ^2/NDF:8014904.3/39

Out: 446.972+/-0.067 χ^2/NDF:8244223.4/43

All: 453.494+/-0.049 χ^2/NDF: 16278944.6/83



Right In: 592.820+/-534.989 χ^2/NDF: 20.3/16

Left Out: 54.734+/-356.375 χ^2/NDF:28.5/23

Right Out: -146.561+/-500.492 χ^2/NDF: 22.5/19

Left In: -48.256+/-359.531 χ^2/NDF:16.8/22

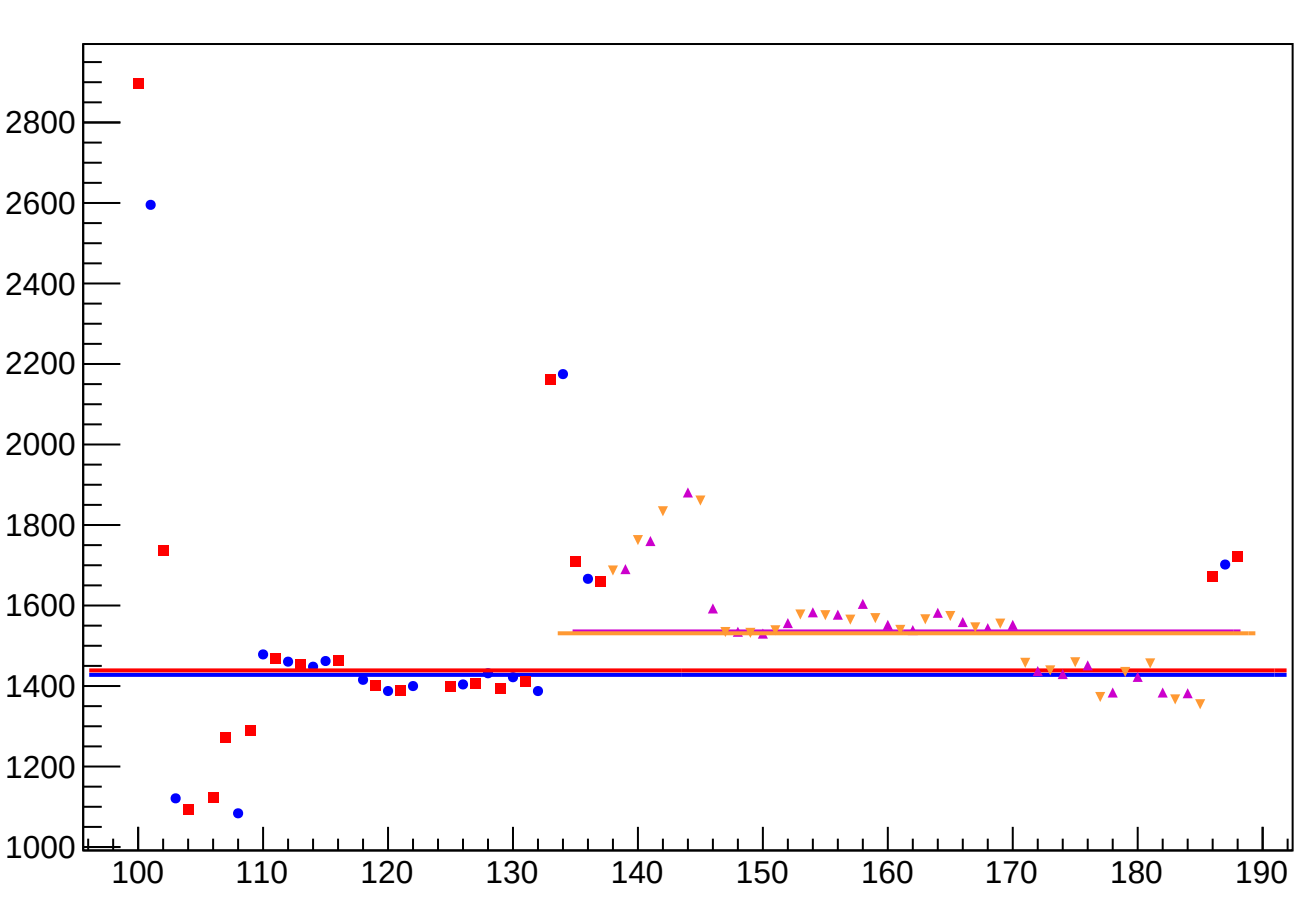
Left: 3.693+/-253.103 χ^2/NDF: 45.3/46

Right: 198.524+/-365.489 χ^2/NDF: 43.8/36

In: 151.195+/-298.406 χ^2/NDF:38.1/39

Out: -12.989+/-290.301 χ^2/NDF:51.1/43

All: 66.843+/-208.080 χ^2/NDF: 89.3/83



Right In: 1427.728+/-0.378 χ^2/NDF: 570243.7/16

Left Out: 1530.976+/-0.252 χ^2/NDF:203539.7/23

Right Out: 1438.800+/-0.354 χ^2/NDF: 435402.8/19

Left In: 1535.551+/-0.254 χ^2/NDF:192432.7/22

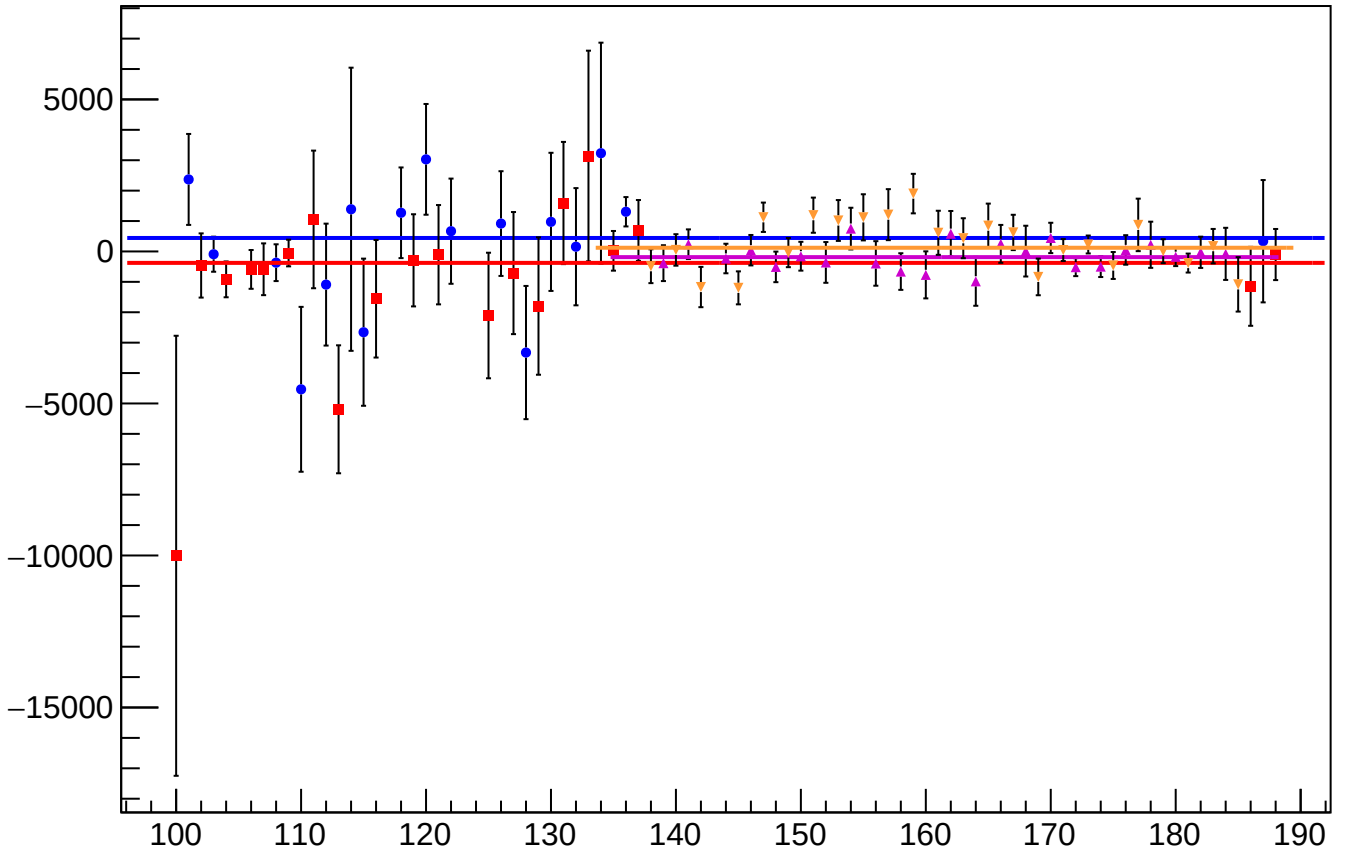
Left: 1533.243+/-0.179 χ^2/NDF: 396135.7/46

Right: 1433.632+/-0.258 χ^2/NDF: 1006103.3/36

In: 1502.005+/-0.211 χ^2/NDF:818640.3/39

Out: 1499.964+/-0.205 χ^2/NDF:683957.2/43

All: 1500.957+/-0.147 χ^2/NDF: 1502645.5/83



Right In: 443.134+/-272.210 χ^2/NDF: 19.2/16

Left Out: 121.325+/-105.060 χ^2/NDF:43.7/23

Right Out: -376.237+/-219.839 χ^2/NDF: 14.5/19

Left In: -187.037+/-106.975 χ^2/NDF:11.6/22

Left: -30.071+/-74.957 χ^2/NDF: 59.5/46

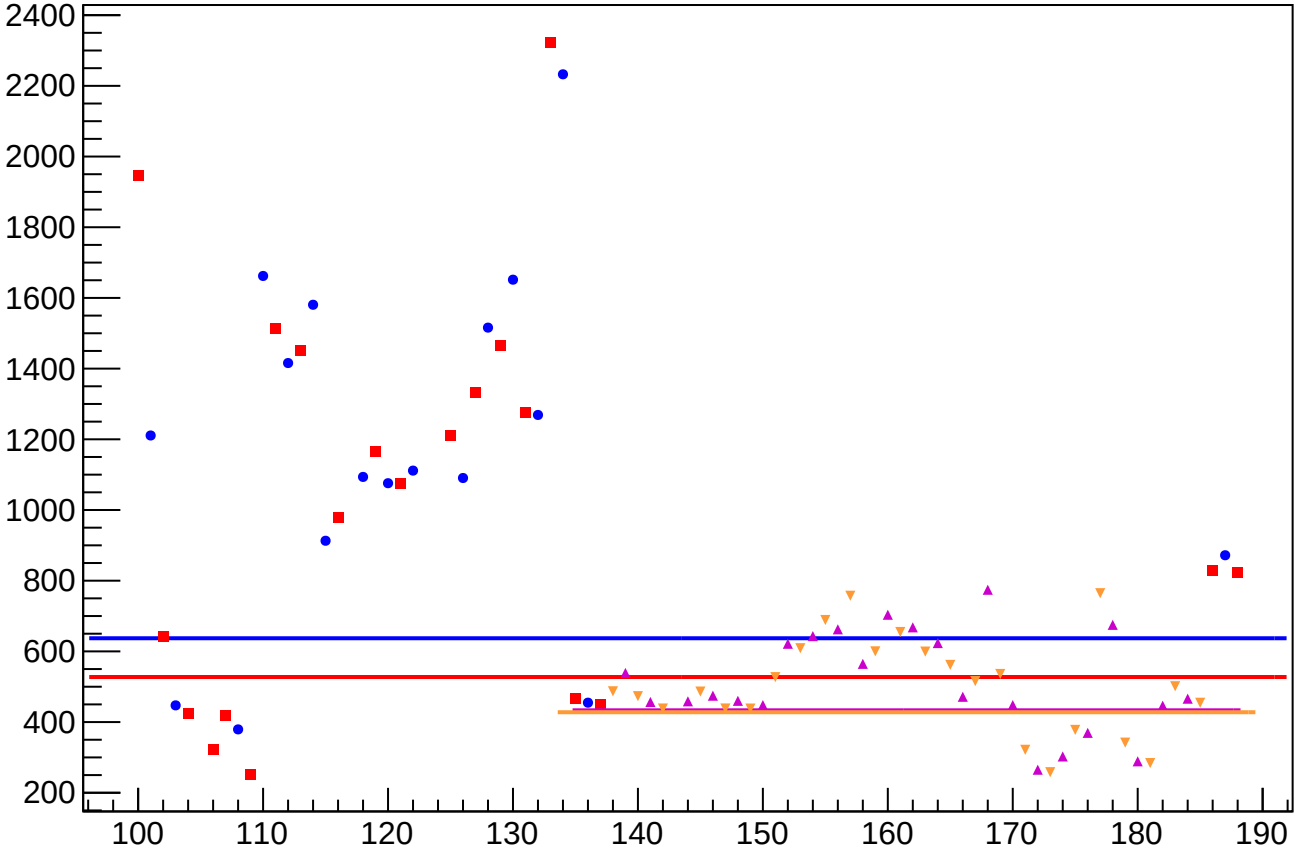
Right: -52.784+/-171.029 χ^2/NDF: 39.1/36

In: -102.733+/-99.563 χ^2/NDF:35.4/39

Out: 28.817+/-94.792 χ^2/NDF:62.3/43

All: -33.730+/-68.653 χ^2/NDF: 98.6/83

asym_us_dd_at2lr_dd_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 637.133+/-0.192 χ^2/NDF: 3795496.8/16

Left Out: 427.814+/-0.074 χ^2/NDF:3188396.1/23

Right Out: 527.456+/-0.155 χ^2/NDF: 4733628.5/19

Left In: 433.285+/-0.076 χ^2/NDF:3247871.5/22

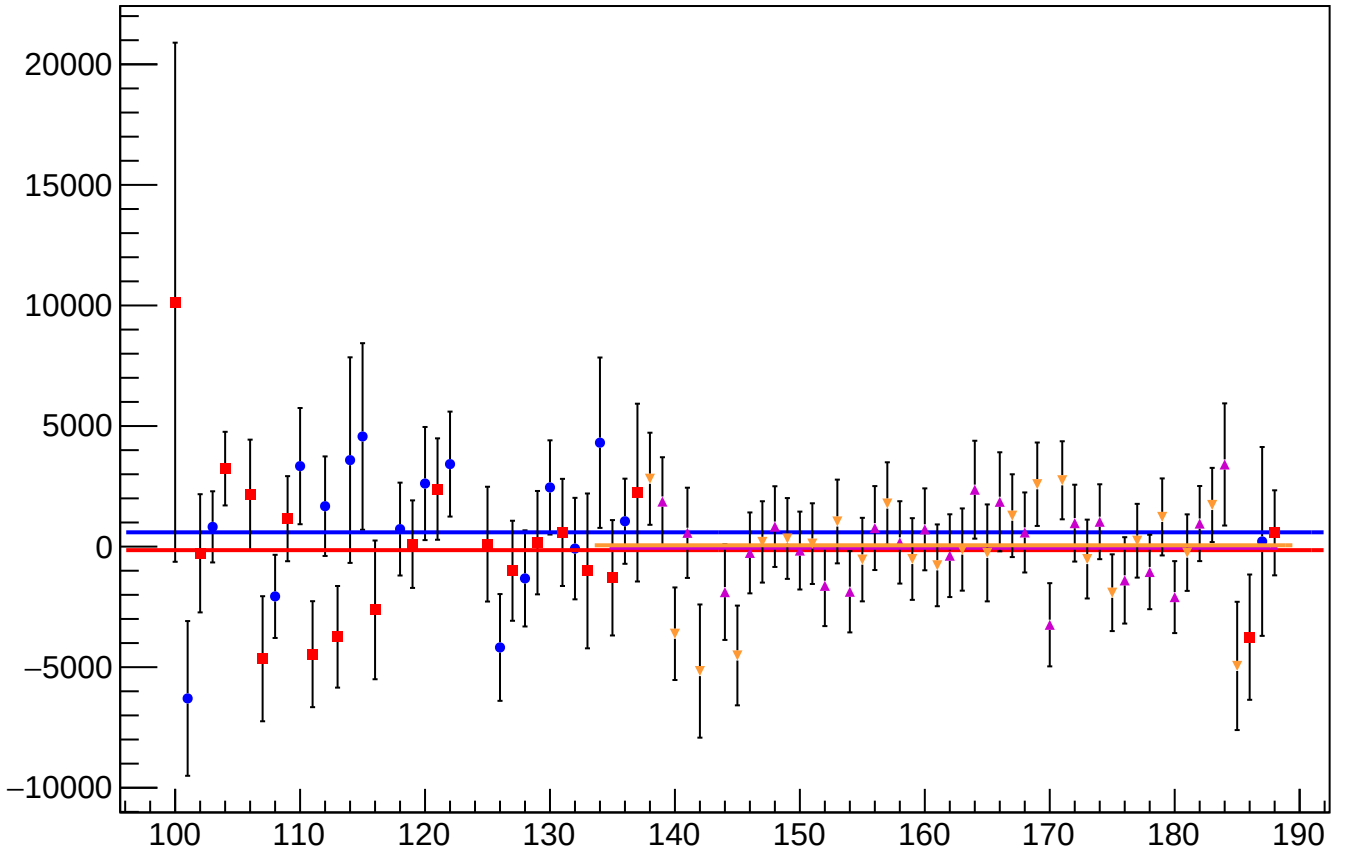
Left: 430.500+/-0.053 χ^2/NDF: 6438930.2/46

Right: 570.752+/-0.121 χ^2/NDF: 8725632.8/36

In: 460.555+/-0.070 χ^2/NDF:8014911.2/39

Out: 446.340+/-0.067 χ^2/NDF:8256504.2/43

All: 453.099+/-0.049 χ^2/NDF: 16292802.2/83



Right In: 592.820+/-534.989 χ^2/NDF: 20.3/16

Left Out: 54.734+/-356.375 χ^2/NDF:28.5/23

Right Out: -146.561+/-500.492 χ^2/NDF: 22.5/19

Left In: -48.256+/-359.531 χ^2/NDF:16.8/22

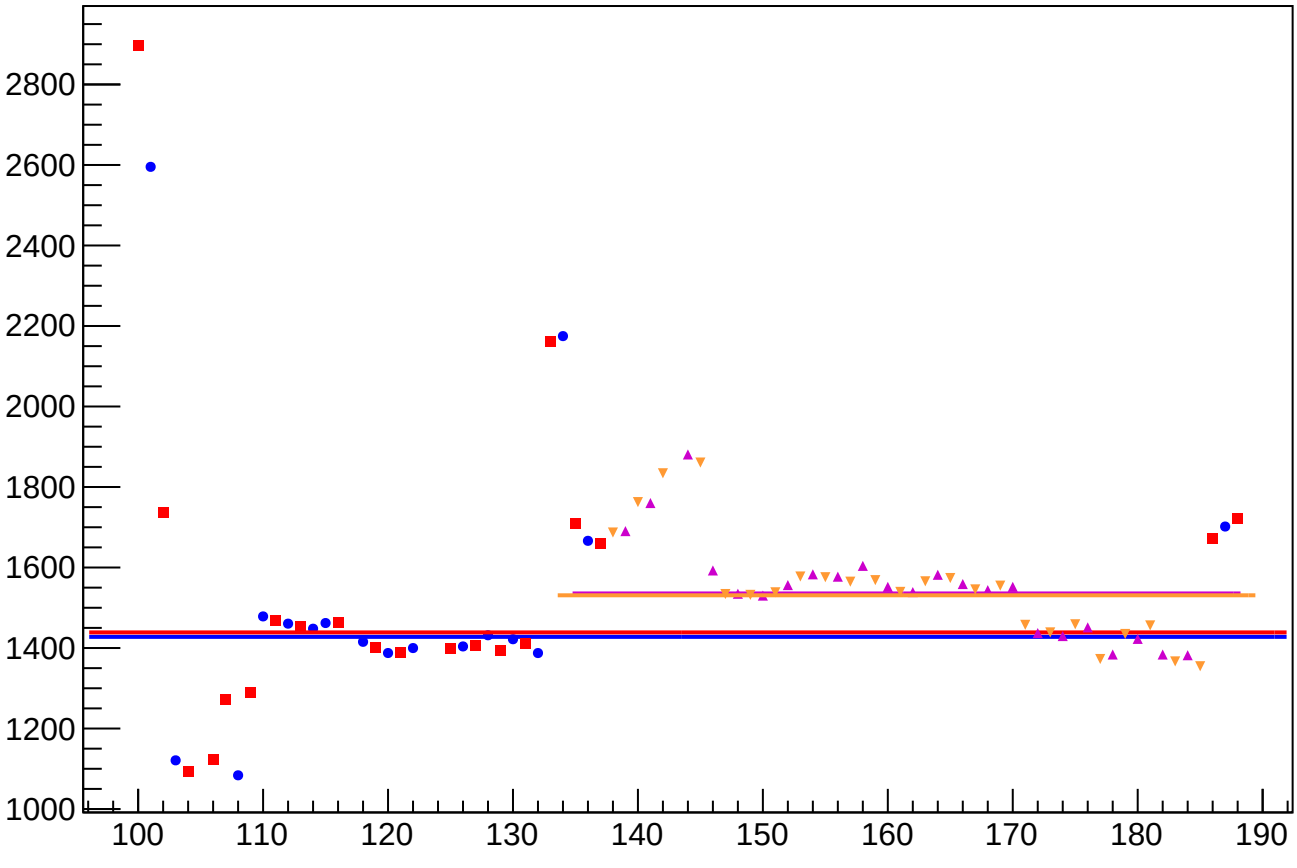
Left: 3.693+/-253.103 χ^2/NDF: 45.3/46

Right: 198.524+/-365.489 χ^2/NDF: 43.8/36

In: 151.195+/-298.406 χ^2/NDF:38.1/39

Out: -12.989+/-290.301 χ^2/NDF:51.1/43

All: 66.843+/-208.080 χ^2/NDF: 89.3/83



Right In: 1427.728+/-0.378 χ^2/NDF: 570243.7/16

Left Out: 1530.976+/-0.252 χ^2/NDF:203539.7/23

Right Out: 1438.800+/-0.354 χ^2/NDF: 435402.8/19

Left In: 1535.551+/-0.254 χ^2/NDF:192432.7/22

Left: 1533.243+/-0.179 χ^2/NDF: 396135.7/46

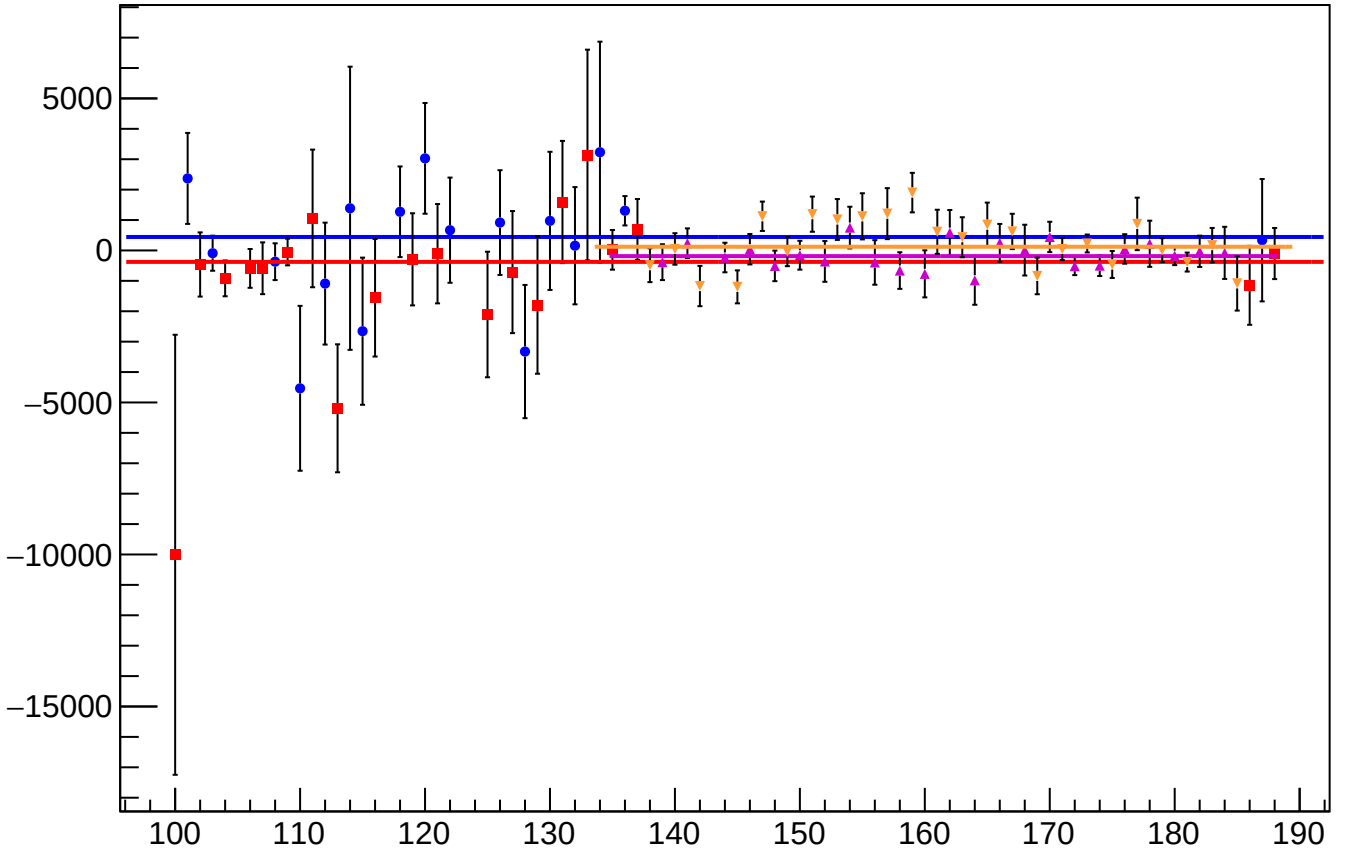
Right: 1433.632+/-0.258 χ^2/NDF: 1006103.3/36

In: 1502.005+/-0.211 χ^2/NDF:818640.3/39

Out: 1499.964+/-0.205 χ^2/NDF:683957.2/43

All: 1500.957+/-0.147 χ^2/NDF: 1502645.5/83

asym_us_dd_at2lr_dd_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 443.134+/-272.210 χ^2/NDF: 19.2/16

Left Out: 121.325+/-105.060 χ^2/NDF:43.7/23

Right Out: -376.237+/-219.839 χ^2/NDF: 14.5/19

Left In: -187.037+/-106.975 χ^2/NDF:11.6/22

Left: -30.071+/-74.957 χ^2/NDF: 59.5/46

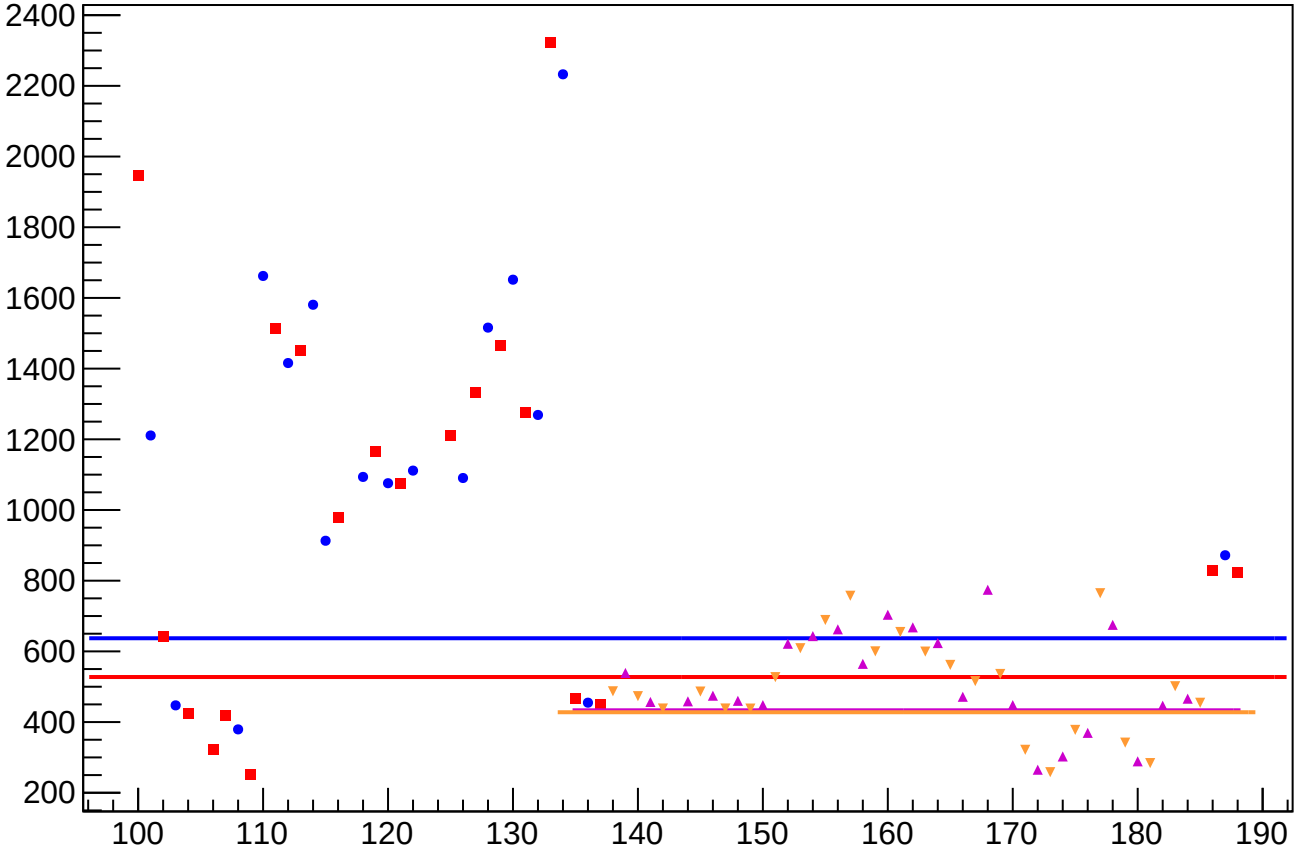
Right: -52.784+/-171.029 χ^2/NDF: 39.1/36

In: -102.733+/-99.563 χ^2/NDF:35.4/39

Out: 28.817+/-94.792 χ^2/NDF:62.3/43

All: -33.730+/-68.653 χ^2/NDF: 98.6/83

asym_us_dd_at2lr_dd_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 637.133+/-0.192 χ^2/NDF: 3795496.8/16

Left Out: 427.814+/-0.074 χ^2/NDF:3188396.1/23

Right Out: 527.456+/-0.155 χ^2/NDF: 4733628.5/19

Left In: 433.285+/-0.076 χ^2/NDF:3247871.5/22

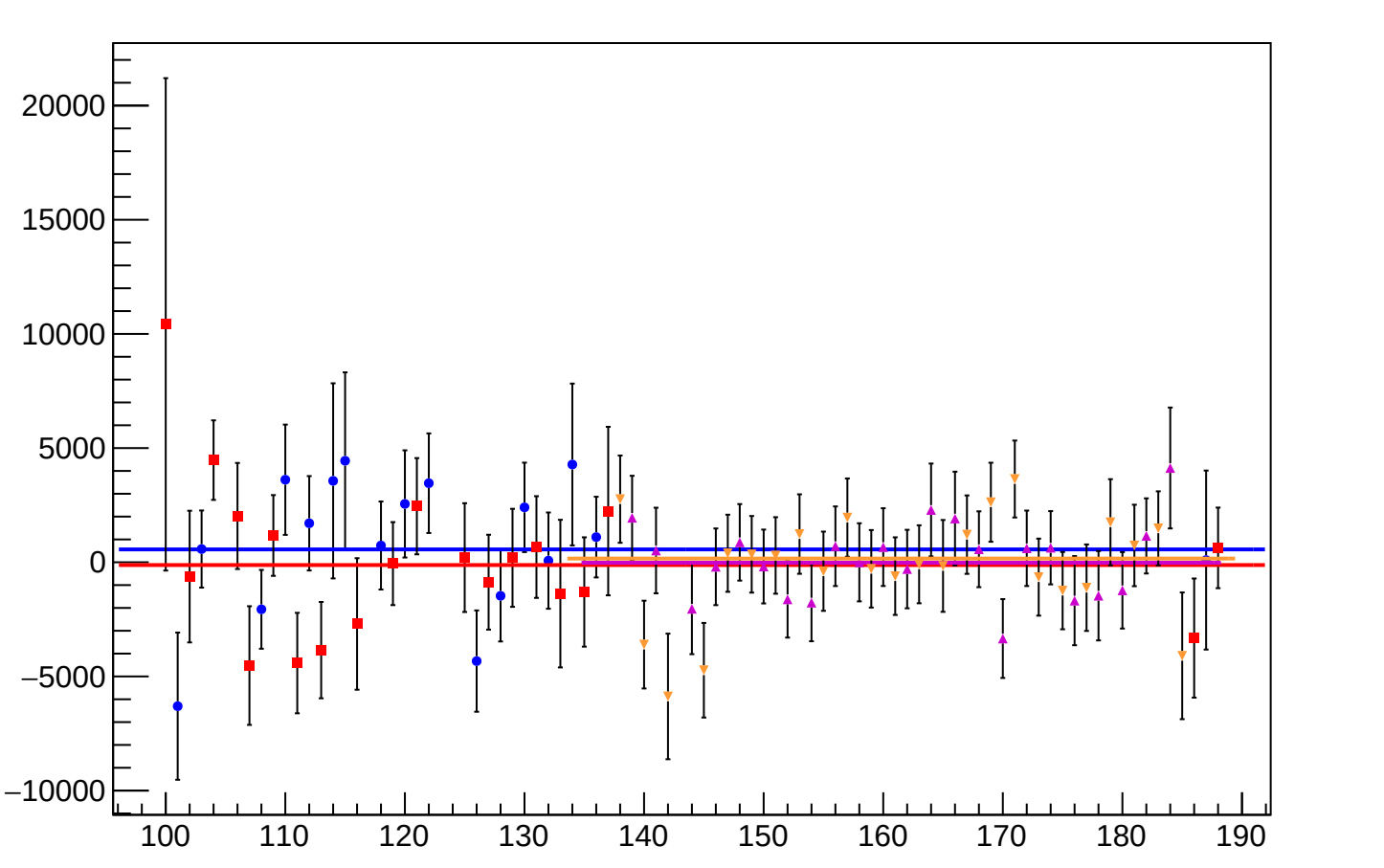
Left: 430.500+/-0.053 χ^2/NDF: 6438930.2/46

Right: 570.752+/-0.121 χ^2/NDF: 8725632.8/36

In: 460.555+/-0.070 χ^2/NDF:8014911.2/39

Out: 446.340+/-0.067 χ^2/NDF:8256504.2/43

All: 453.099+/-0.049 χ^2/NDF: 16292802.2/83


dit_asym_us_dd_at2lr_dd_dd_mean vs Slug, Sign Corrected
20000
15000
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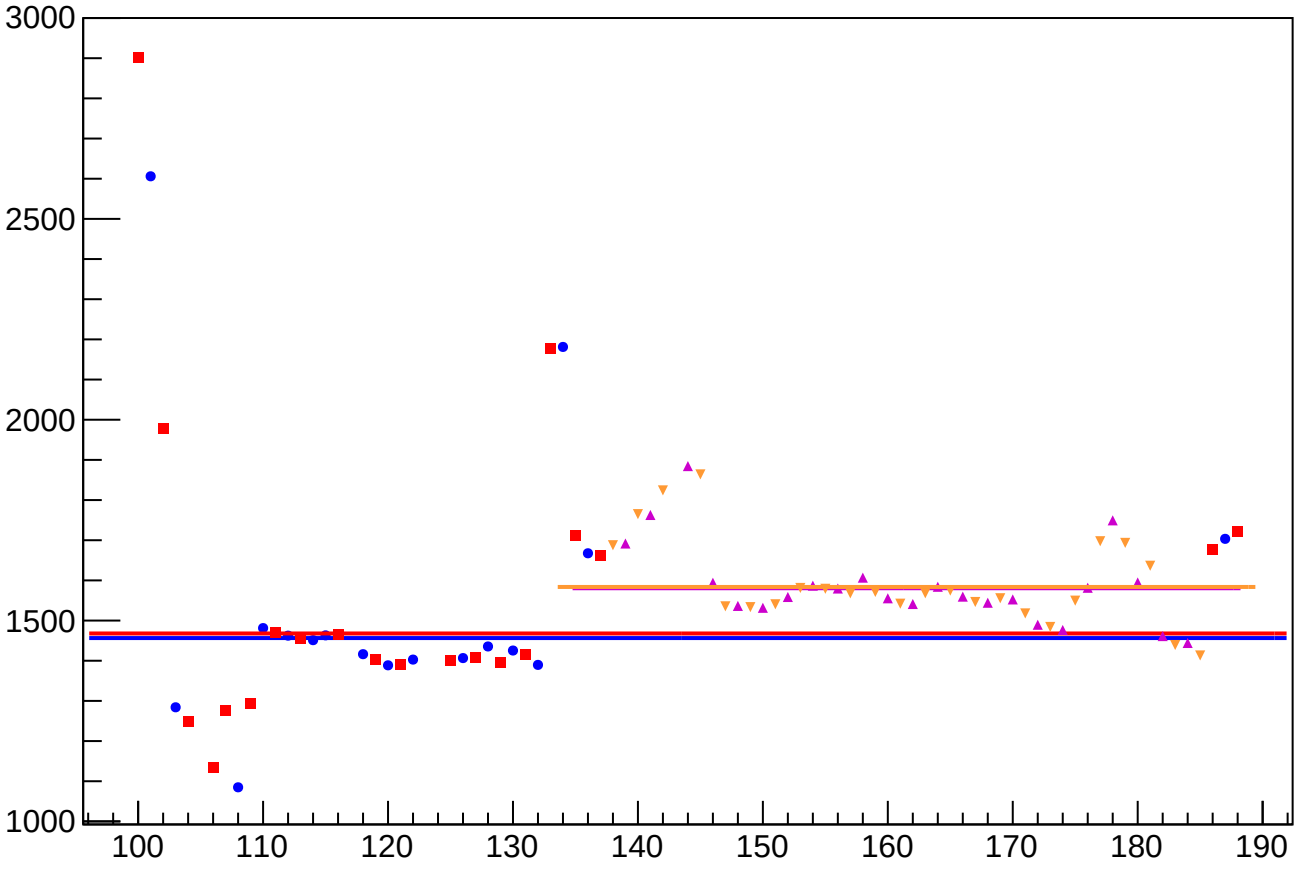
−5000
−10000
100
110
120
130
140
150
160
170
180
190
Right In: 563.120+/-544.312 χ²/NDF: 20.8/16
Left Out: 161.591+/-368.366 χ²/NDF:29.9/23
Right Out: -121.784+/-510.944 χ²/NDF: 24.2/19
Left In: -20.252+/-369.781 χ²/NDF:16.0/22
Left: 71.018+/-260.973 χ²/NDF: 46.0/46
Right: 199.032+/-372.530 χ²/NDF: 45.9/36
In: 163.966+/-305.873 χ²/NDF:37.6/39
Out: 64.675+/-298.806 χ²/NDF:54.3/43
All: 113.160+/-213.743 χ²/NDF: 92.0/83



Right In: 1456.437+/-0.385 χ^2/NDF: 495936.7/16

Left Out: 1583.673+/-0.260 χ^2/NDF:133583.1/23

Right Out: 1467.853+/-0.361 χ^2/NDF: 390867.6/19

Left In: 1580.464+/-0.261 χ^2/NDF:125745.6/22

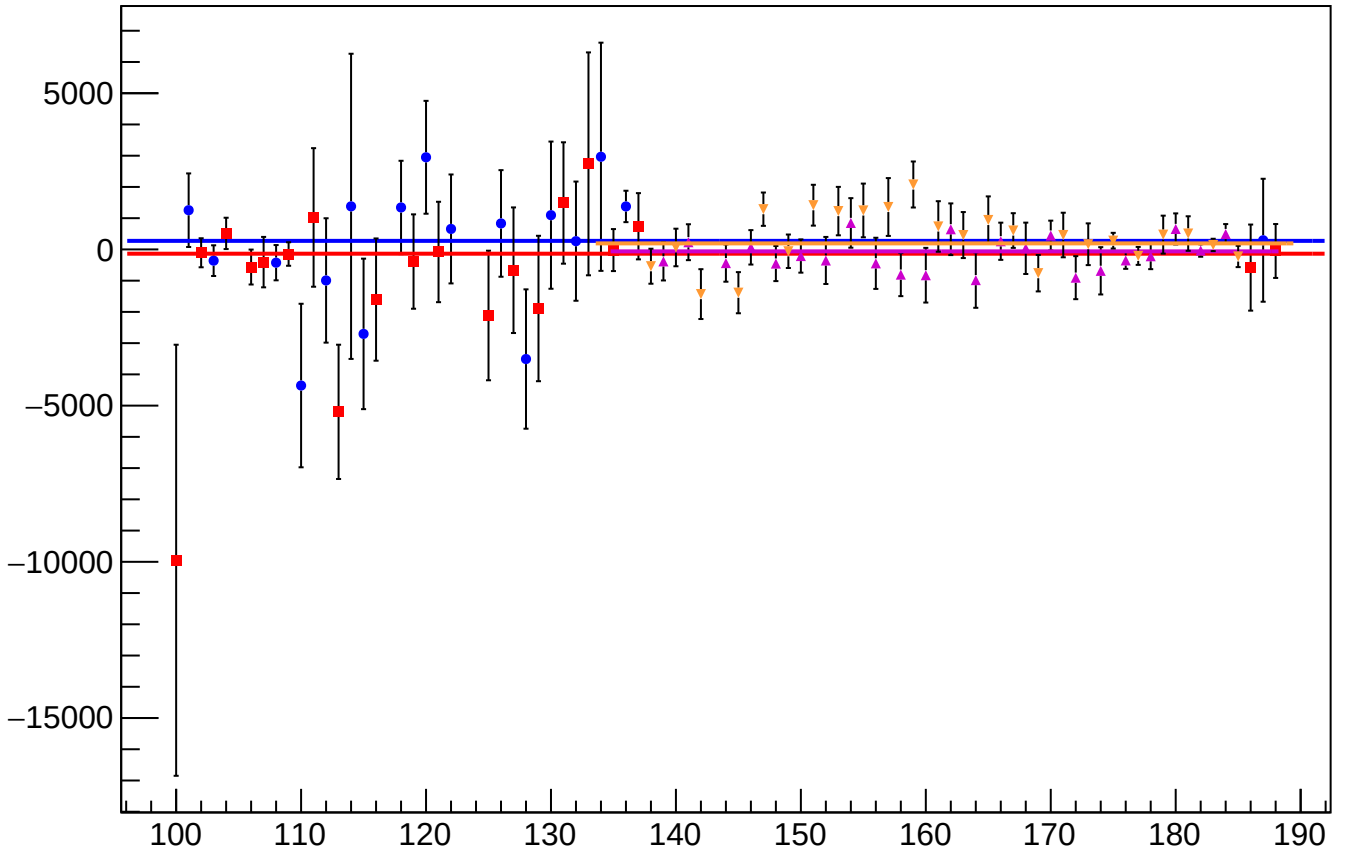
Left: 1582.075+/-0.185 χ^2/NDF: 259404.3/46

Right: 1462.505+/-0.263 χ^2/NDF: 887272.0/36

In: 1541.299+/-0.216 χ^2/NDF:692732.6/39

Out: 1544.062+/-0.211 χ^2/NDF:592070.6/43

All: 1542.712+/-0.151 χ^2/NDF: 1284886.8/83



Right In: 273.784+/-258.283 χ^2/NDF: 20.2/16

Left Out: 193.307+/-95.894 χ^2/NDF:40.1/23

Right Out: -137.070+/-189.256 χ^2/NDF: 14.5/19

Left In: -62.183+/-99.717 χ^2/NDF:17.0/22

Left: 70.554+/-69.119 χ^2/NDF: 60.5/46

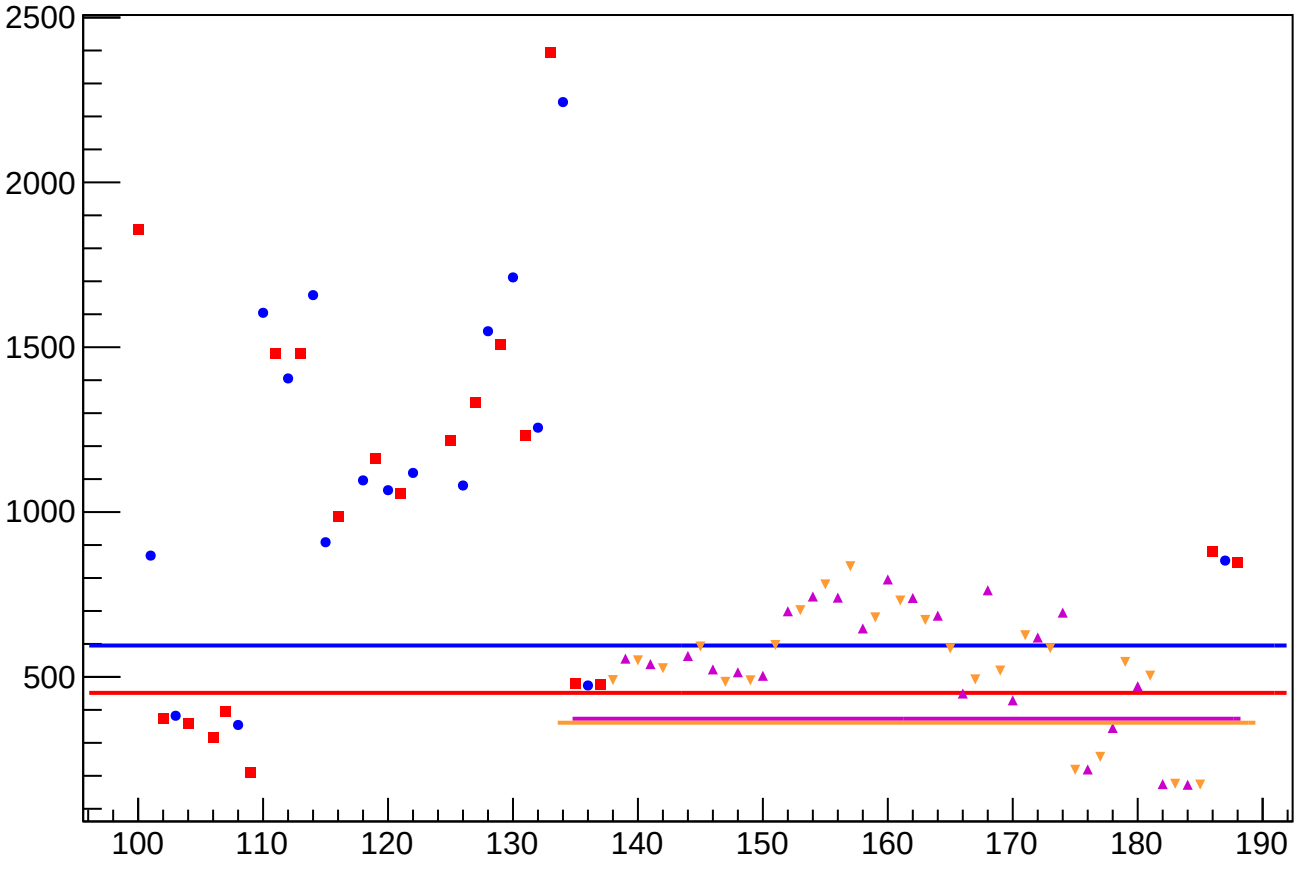
Right: 6.461+/-152.660 χ^2/NDF: 36.4/36

In: -18.601+/-93.025 χ^2/NDF:38.7/39

Out: 125.816+/-85.540 χ^2/NDF:57.0/43

All: 59.651+/-62.966 χ^2/NDF: 97.1/83

asym_us_dd_at2lr_dd_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 595.264+/-0.183 χ^2/NDF: 3920369.5/16

Left Out: 361.100+/-0.068 χ^2/NDF:8183123.9/23

Right Out: 451.619+/-0.134 χ^2/NDF: 5512461.3/19

Left In: 373.140+/-0.071 χ^2/NDF:8207354.5/22

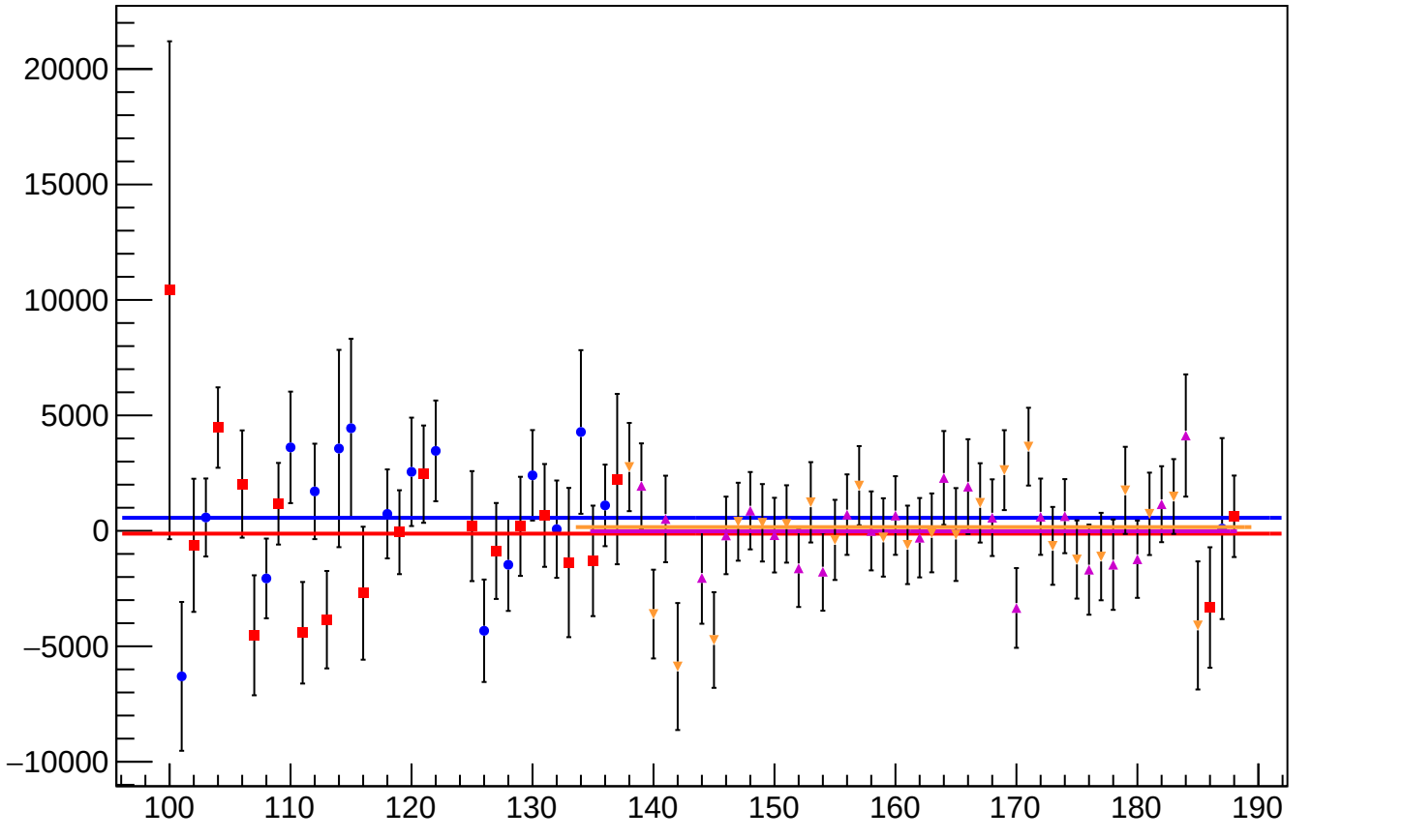
Left: 366.885+/-0.049 χ^2/NDF: 16405627.7/46

Right: 501.801+/-0.108 χ^2/NDF: 9835330.7/36

In: 401.954+/-0.066 χ^2/NDF:13415048.5/39

Out: 379.591+/-0.060 χ^2/NDF:14059645.7/43

All: 389.837+/-0.045 χ^2/NDF: 27537319.3/83


eigen_dit_asym_us_dd_at2lr_dd_dd_mean vs Slug, Sign Corrected
20000
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−5000
−10000
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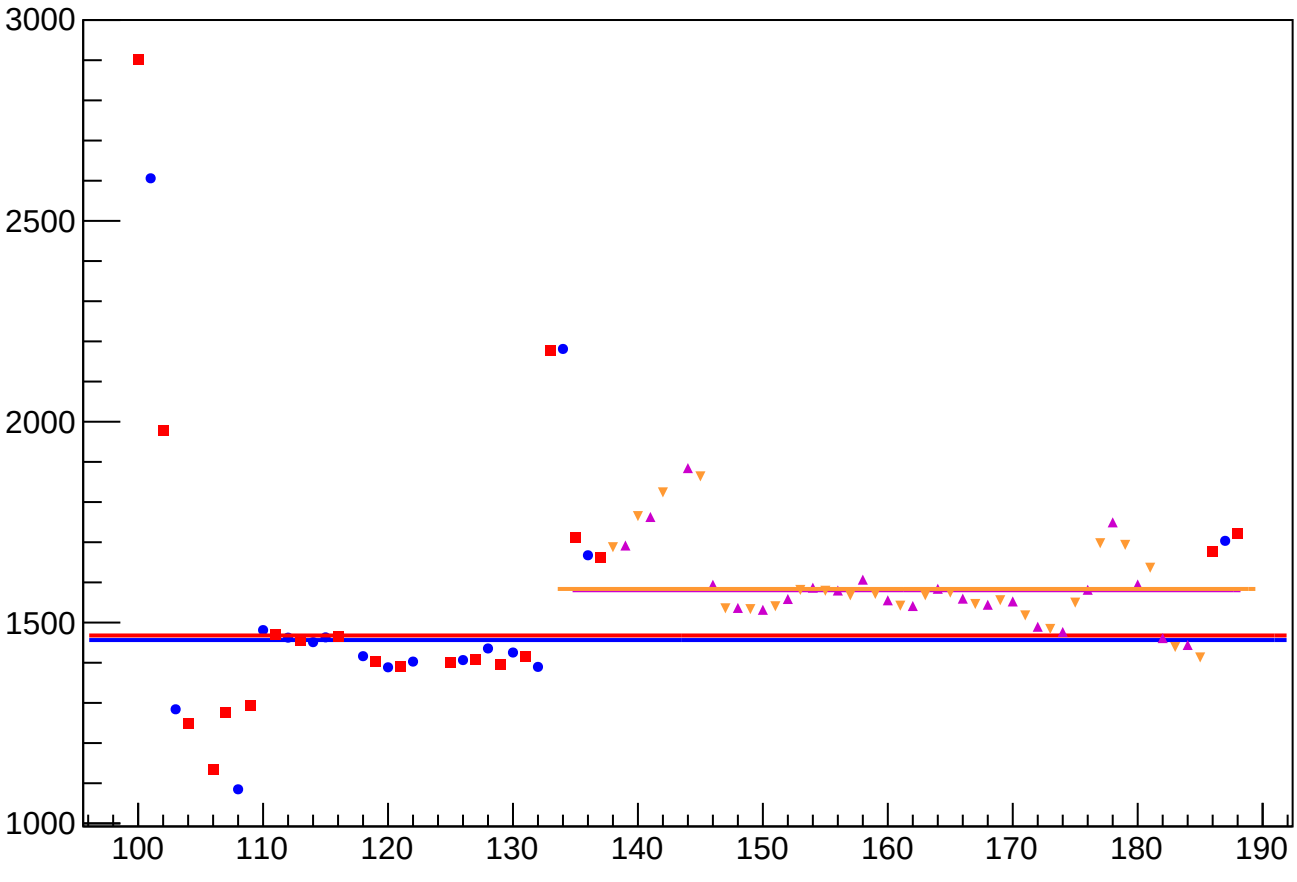
160
170
180
190
Right In: 563.121+/-544.312 χ²/NDF: 20.8/16
Left Out: 161.587+/-368.366 χ²/NDF:29.9/23
Right Out: -121.783+/-510.944 χ²/NDF: 24.2/19
Left In: -20.250+/-369.781 χ²/NDF:16.0/22
Left: 71.017+/-260.973 χ²/NDF: 46.0/46
Right: 199.033+/-372.530 χ²/NDF: 45.9/36
In: 163.968+/-305.873 χ²/NDF:37.6/39
Out: 64.673+/-298.806 χ²/NDF:54.3/43
All: 113.160+/-213.743 χ²/NDF: 92.0/83



Right In: 1456.437+/-0.385 χ^2/NDF: 495936.2/16

Left Out: 1583.673+/-0.260 χ^2/NDF:133583.3/23

Right Out: 1467.853+/-0.361 χ^2/NDF: 390867.8/19

Left In: 1580.464+/-0.261 χ^2/NDF:125745.6/22

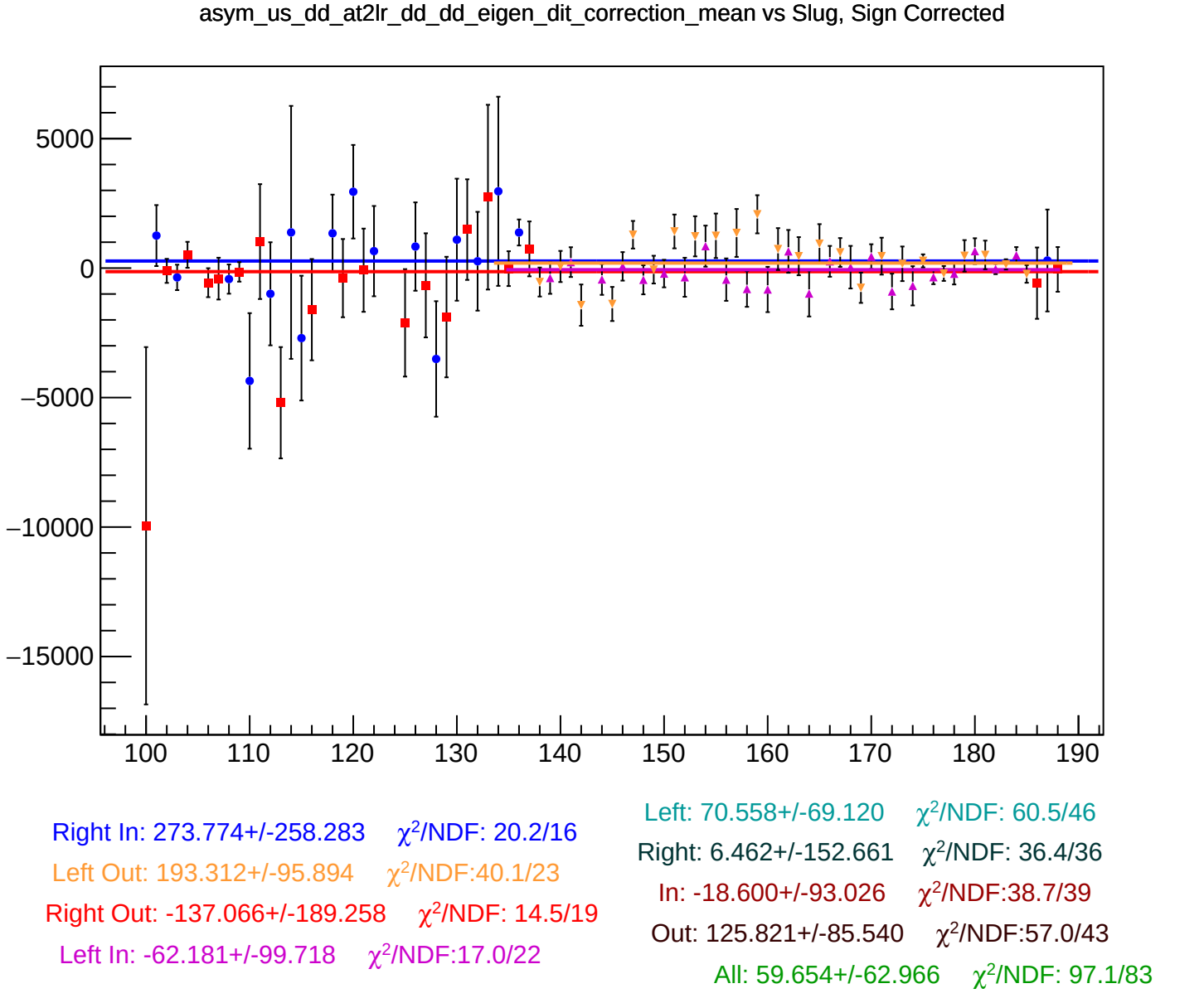
Left: 1582.075+/-0.185 χ^2/NDF: 259404.5/46

Right: 1462.505+/-0.263 χ^2/NDF: 887271.7/36

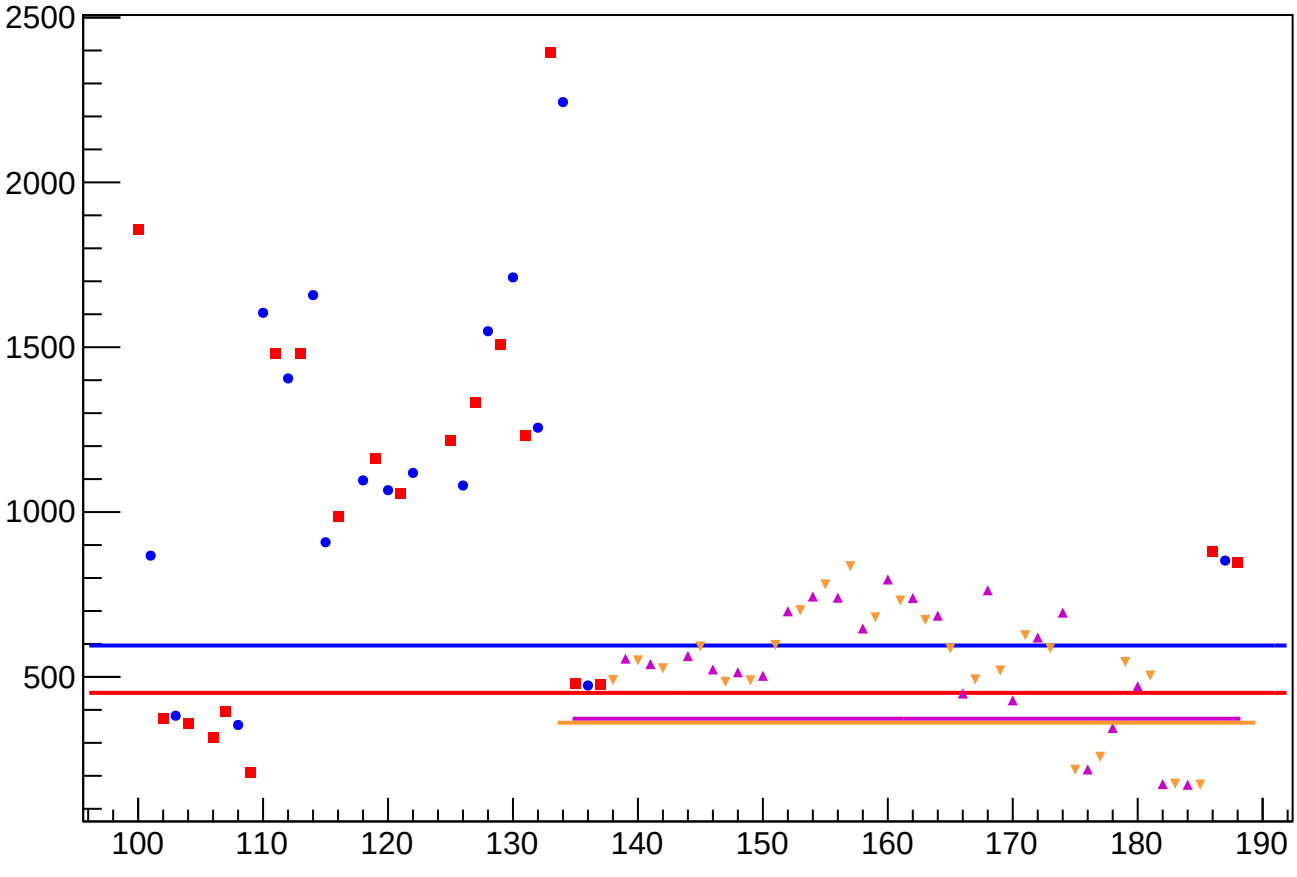
In: 1541.298+/-0.216 χ^2/NDF:692731.8/39

Out: 1544.062+/-0.211 χ^2/NDF:592070.8/43

All: 1542.712+/-0.151 χ^2/NDF: 1284886.2/83


asym_us_dd_at2lr_dd_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
180
190
Right In: 273.774+/-258.283 χ²/NDF: 20.2/16
Left Out: 193.312+/-95.894 χ²/NDF:40.1/23
Right Out: -137.066+/-189.258 χ²/NDF: 14.5/19
Left In: -62.181+/-99.718 χ²/NDF:17.0/22
Left: 70.558+/-69.120 χ²/NDF: 60.5/46
Right: 6.462+/-152.661 χ²/NDF: 36.4/36
In: -18.600+/-93.026 χ²/NDF:38.7/39
Out: 125.821+/-85.540 χ²/NDF:57.0/43
All: 59.654+/-62.966 χ²/NDF: 97.1/83

asym_us_dd_at2lr_dd_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 595.262+/-0.183 χ^2/NDF: 3920403.3/16

Left Out: 361.103+/-0.068 χ^2/NDF:8182968.2/23

Right Out: 451.625+/-0.134 χ^2/NDF: 5512386.8/19

Left In: 373.145+/-0.071 χ^2/NDF:8207110.6/22

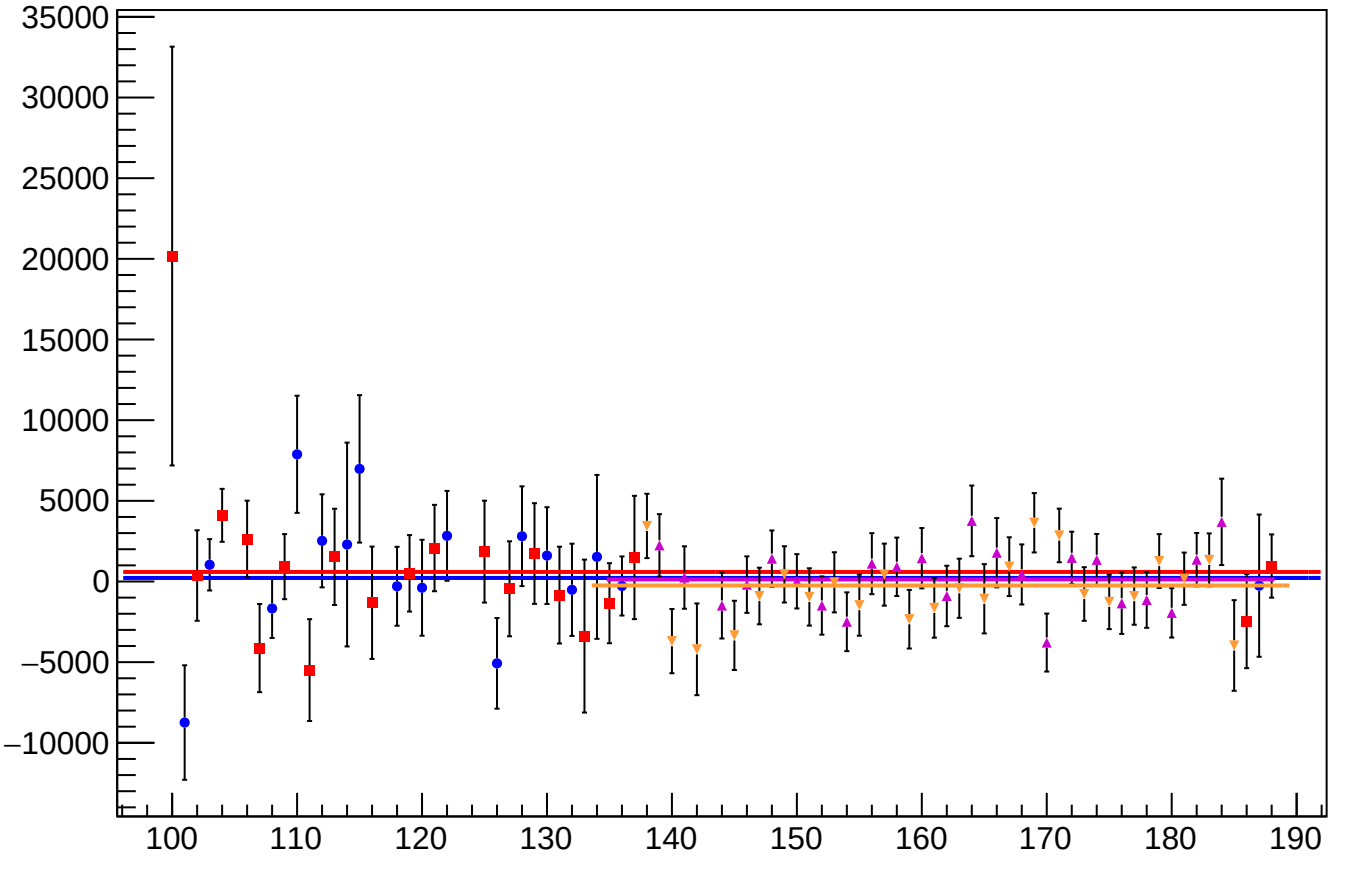
Left: 366.889+/-0.049 χ^2/NDF: 16405230.8/46

Right: 501.805+/-0.108 χ^2/NDF: 9835247.0/36

In: 401.958+/-0.066 χ^2/NDF:13414764.5/39

Out: 379.595+/-0.060 χ^2/NDF:14059426.3/43

All: 389.841+/-0.045 χ^2/NDF: 27536817.5/83



Right In: 219.848+/-658.760 χ^2/NDF: 20.7/16

Left Out: -247.110+/-378.224 χ^2/NDF:26.0/23

Right Out: 591.901+/-602.255 χ^2/NDF: 18.2/19

Left In: 126.114+/-381.305 χ^2/NDF:21.2/22

Left: -62.012+/-268.528 χ^2/NDF: 47.7/46

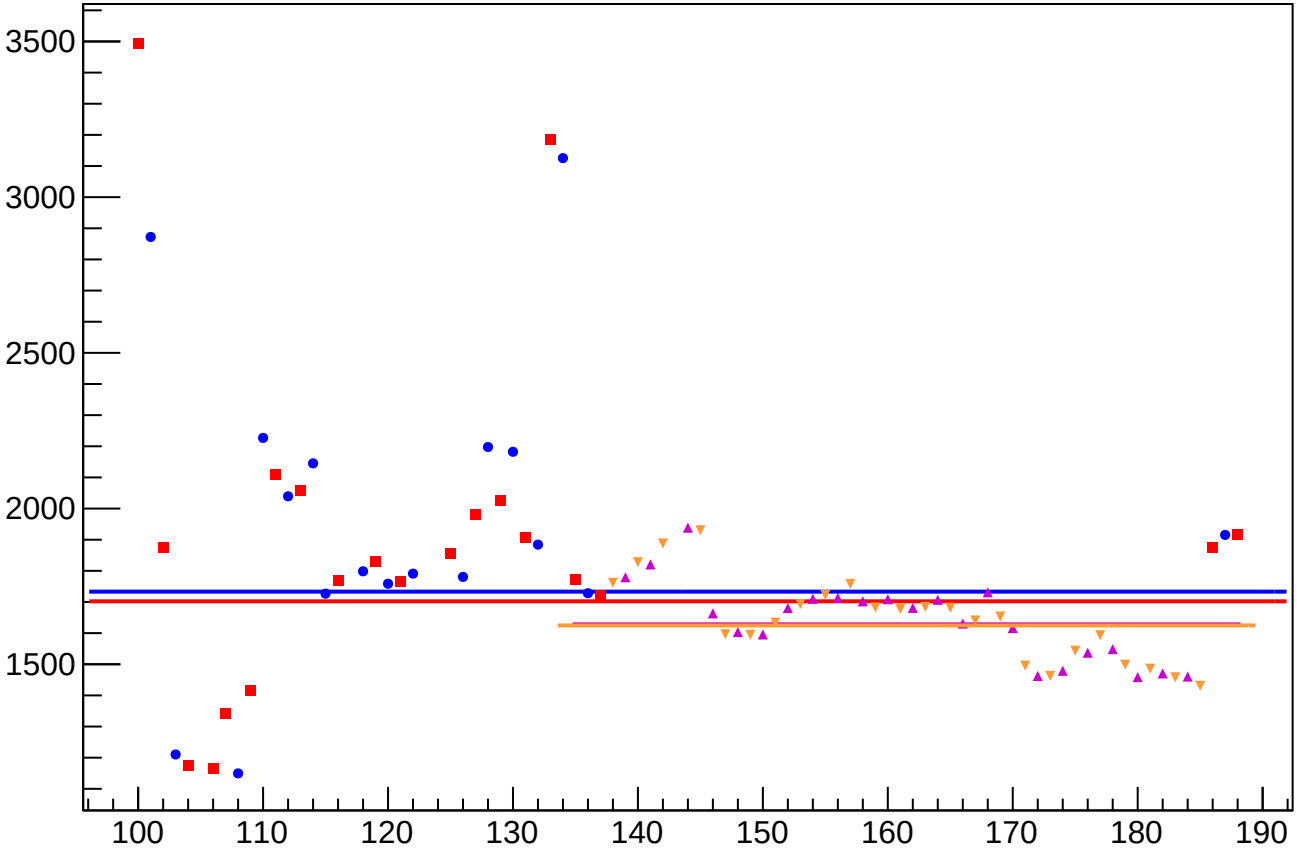
Right: 422.513+/-444.495 χ^2/NDF: 39.1/36

In: 149.637+/-330.009 χ^2/NDF:42.0/39

Out: -9.799+/-320.299 χ^2/NDF:45.6/43

All: 67.539+/-229.842 χ^2/NDF: 87.7/83

asym_us_dd_at2lr_dd_dd_rms vs Slug, Sign Corrected



Right In: 1733.211+/-0.466 χ^2/NDF: 945573.6/16

Left Out: 1624.614+/-0.267 χ^2/NDF:207257.7/23

Right Out: 1702.099+/-0.426 χ^2/NDF: 780376.3/19

Left In: 1628.221+/-0.270 χ^2/NDF:204880.6/22

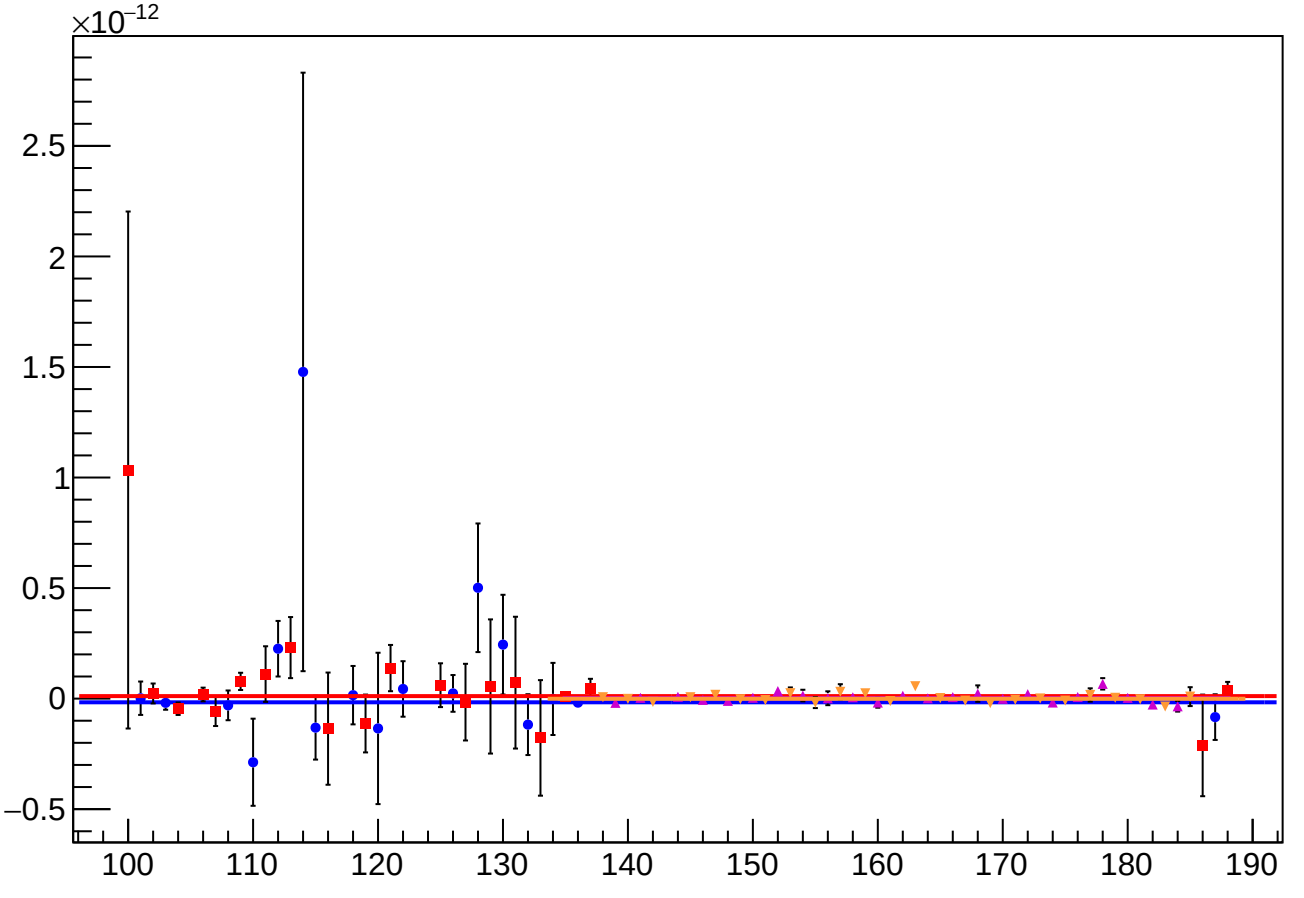
Left: 1626.403+/-0.190 χ^2/NDF: 412228.5/46

Right: 1716.264+/-0.314 χ^2/NDF: 1728379.8/36

In: 1654.569+/-0.233 χ^2/NDF:1188506.4/39

Out: 1646.531+/-0.226 χ^2/NDF:1011375.9/43

All: 1650.430+/-0.163 χ^2/NDF: 2200493.3/83



Right In: -0.000+/-0.000 χ^2/NDF: 13.7/16

Left Out: -0.000+/-0.000 χ^2/NDF:22.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 17.9/19

Left In: 0.000+/-0.000 χ^2/NDF:24.2/22

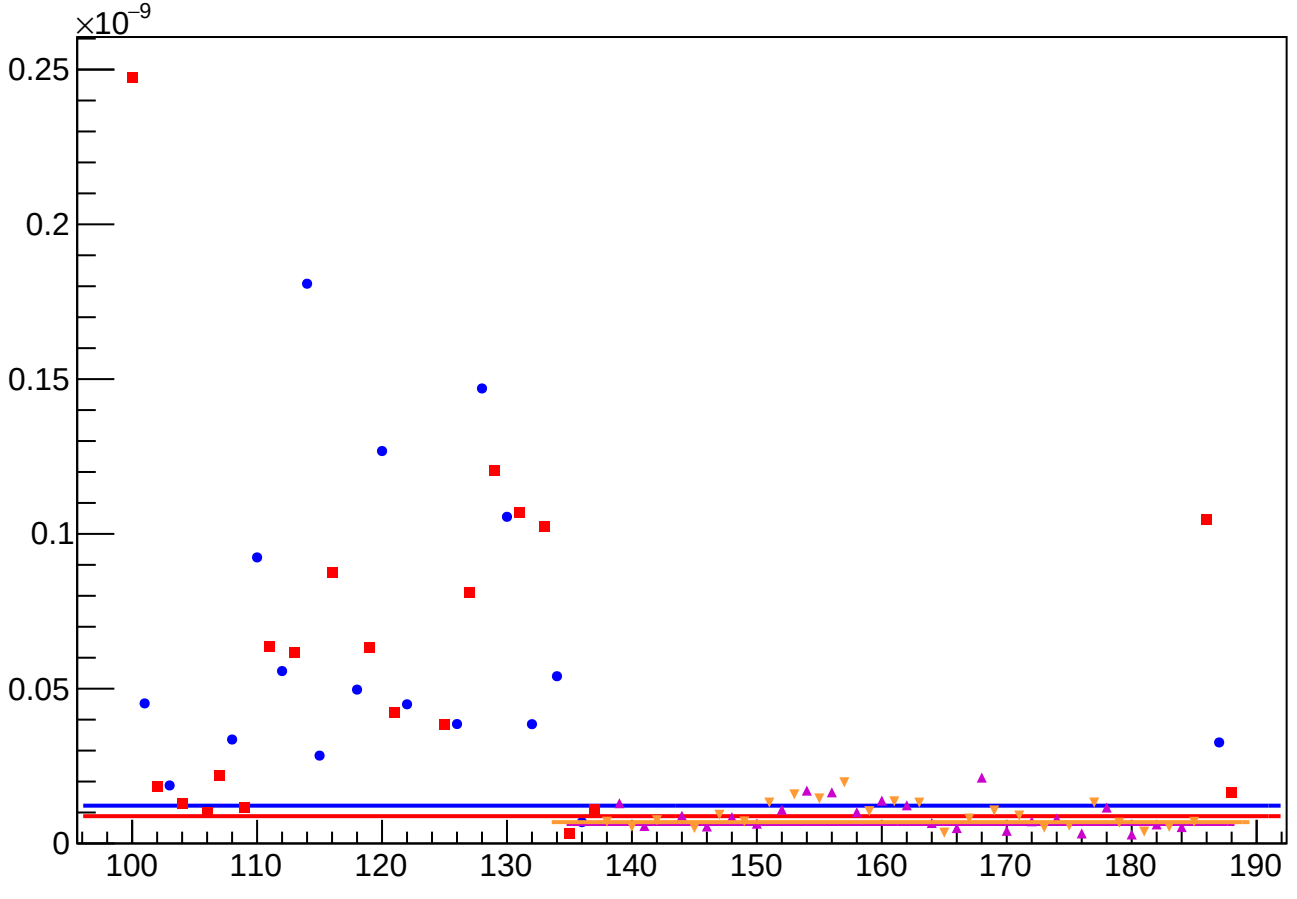
Left: 0.000+/-0.000 χ^2/NDF: 47.2/46

Right: -0.000+/-0.000 χ^2/NDF: 36.1/36

In: 0.000+/-0.000 χ^2/NDF:41.0/39

Out: 0.000+/-0.000 χ^2/NDF:42.3/43

All: 0.000+/-0.000 χ^2/NDF: 83.3/83



Right In: 0.000+/-0.000 χ^2/NDF: 3504903.3/16

Left Out: 0.000+/-0.000 χ^2/NDF:2256547.8/23

Right Out: 0.000+/-0.000 χ^2/NDF: 3953735.5/19

Left In: 0.000+/-0.000 χ^2/NDF:2888385.6/22

Left: 0.000+/-0.000 χ^2/NDF: 5189150.7/46

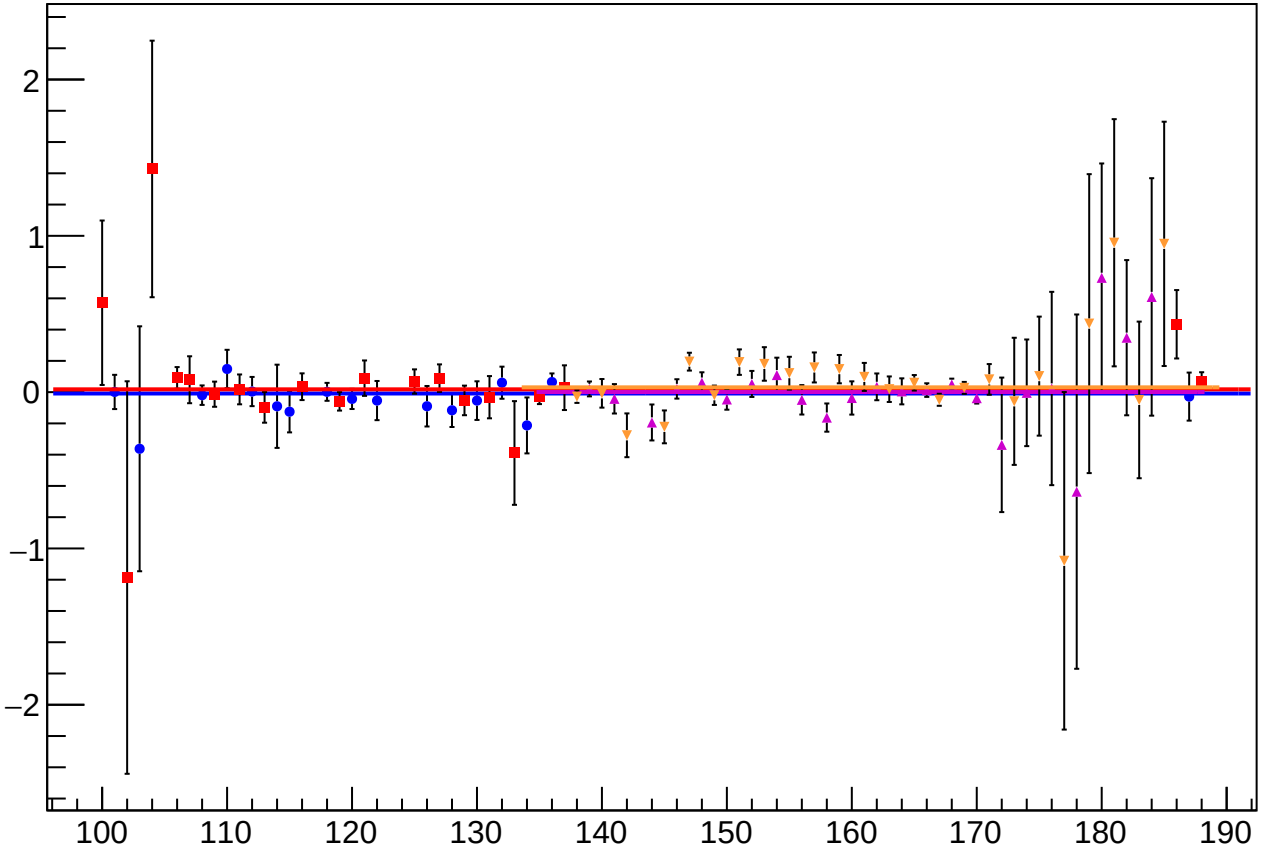
Right: 0.000+/-0.000 χ^2/NDF: 7589821.8/36

In: 0.000+/-0.000 χ^2/NDF:7020313.9/39

Out: 0.000+/-0.000 χ^2/NDF:6303151.7/43

All: 0.000+/-0.000 χ^2/NDF: 13345397.6/83

asym_us_dd_at2lr_dd_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.009+/-0.023 χ^2/NDF: 8.3/16

Left Out: 0.031+/-0.015 χ^2/NDF:41.5/23

Right Out: 0.018+/-0.021 χ^2/NDF: 18.2/19

Left In: 0.001+/-0.015 χ^2/NDF:16.0/22

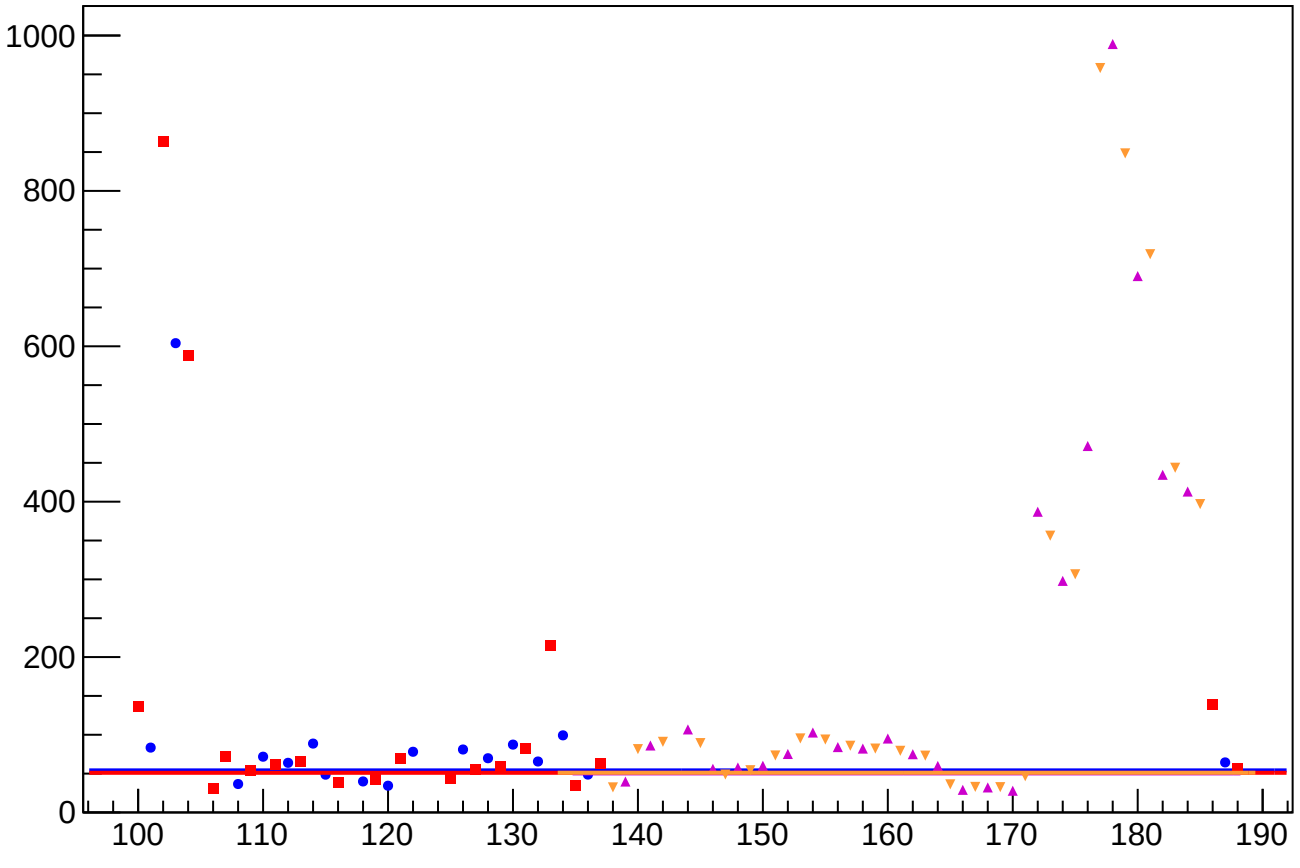
Left: 0.015+/-0.011 χ^2/NDF: 59.5/46

Right: 0.006+/-0.015 χ^2/NDF: 27.3/36

In: -0.002+/-0.013 χ^2/NDF:24.5/39

Out: 0.026+/-0.012 χ^2/NDF:60.0/43

All: 0.012+/-0.009 χ^2/NDF: 87.0/83



Right In: 54.158+/-0.016 χ^2/NDF: 2223468.6/16

Left Out: 51.081+/-0.011 χ^2/NDF:11736636.7/23

Right Out: 51.038+/-0.015 χ^2/NDF: 3362362.0/19

Left In: 50.251+/-0.011 χ^2/NDF:12195723.8/22

Left: 50.660+/-0.008 χ^2/NDF: 23935280.6/46

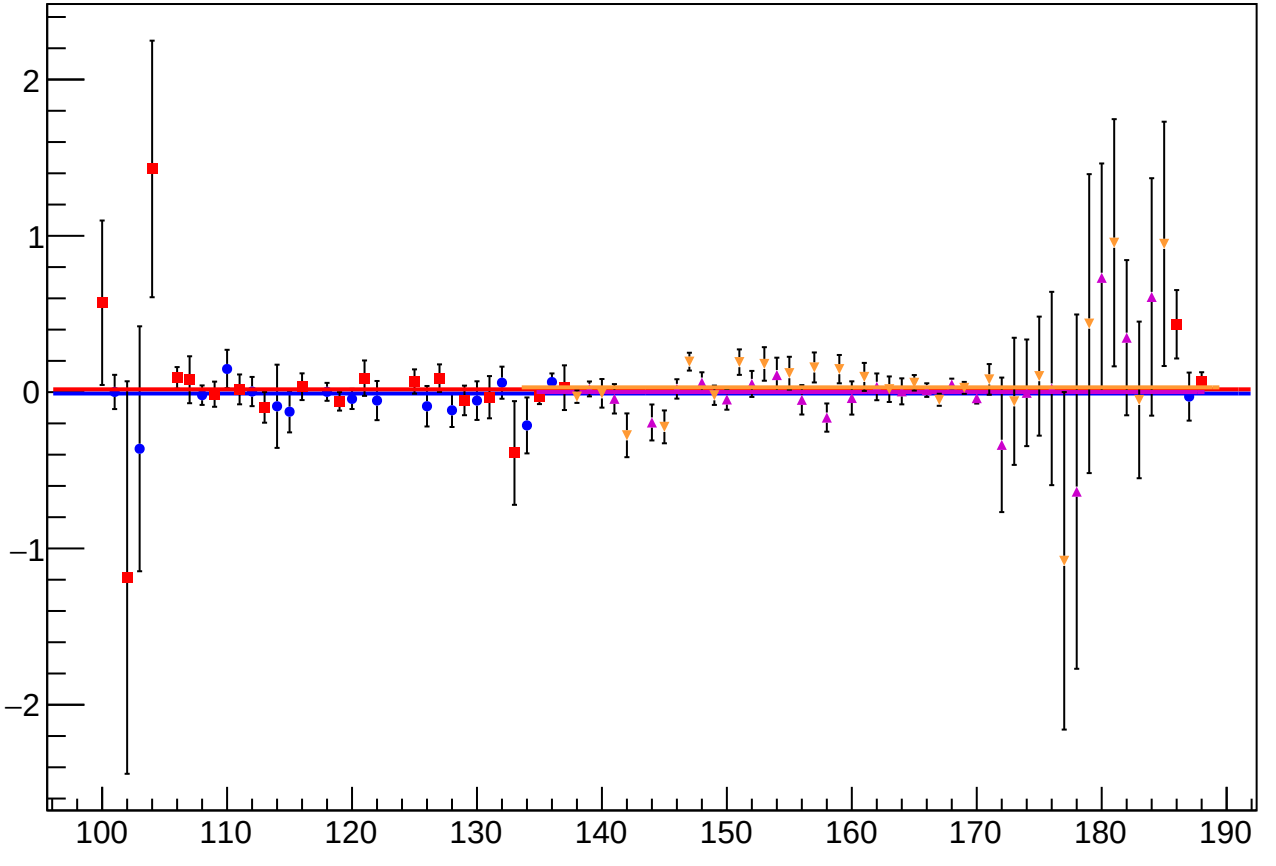
Right: 52.449+/-0.011 χ^2/NDF: 5606257.4/36

In: 51.456+/-0.009 χ^2/NDF:14459639.6/39

Out: 51.065+/-0.009 χ^2/NDF:15099004.2/43

All: 51.256+/-0.006 χ^2/NDF: 29559610.3/83

asym_us_dd_at2lr_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.009+/-0.023 χ^2/NDF: 8.3/16

Left Out: 0.031+/-0.015 χ^2/NDF:41.5/23

Right Out: 0.018+/-0.021 χ^2/NDF: 18.2/19

Left In: 0.001+/-0.015 χ^2/NDF:16.0/22

Left: 0.015+/-0.011 χ^2/NDF: 59.5/46

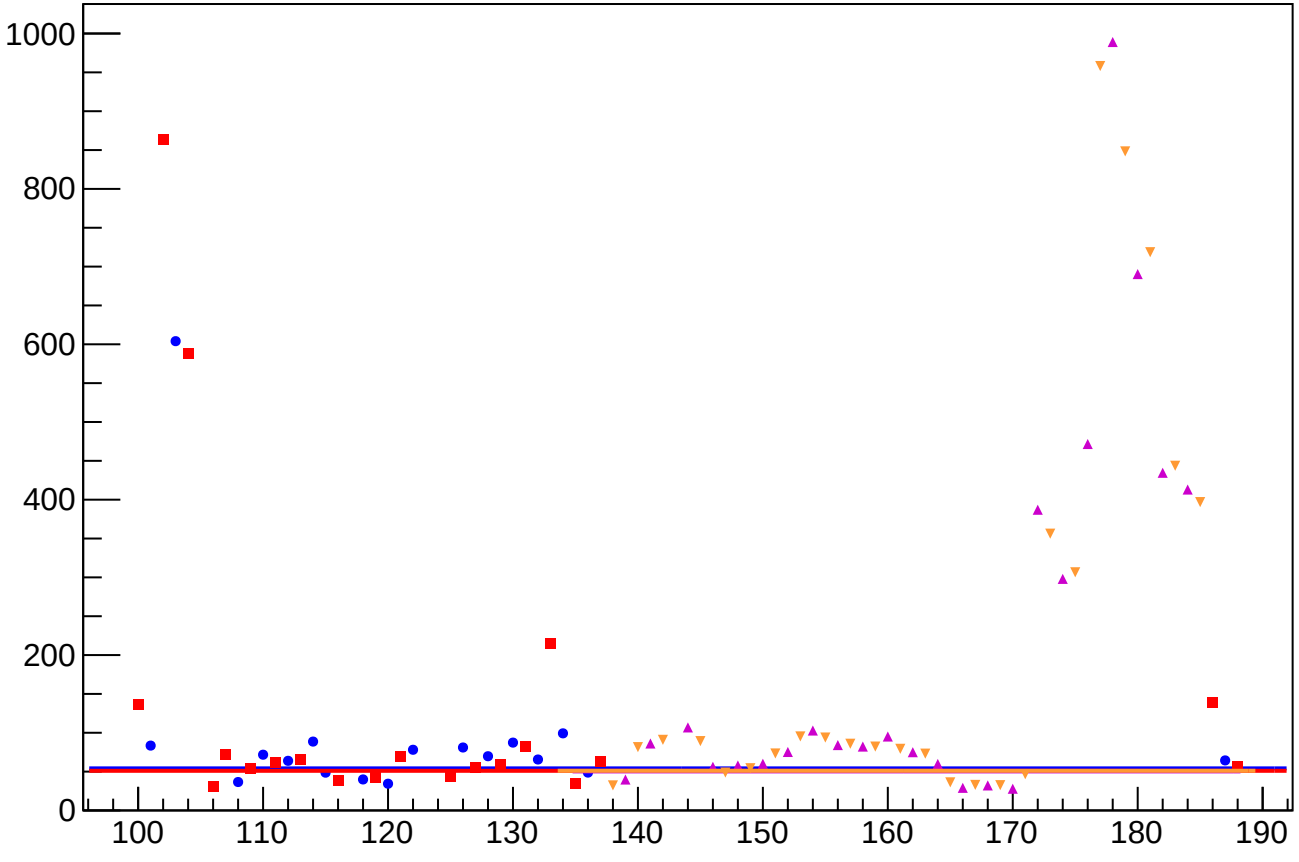
Right: 0.006+/-0.015 χ^2/NDF: 27.3/36

In: -0.002+/-0.013 χ^2/NDF:24.5/39

Out: 0.026+/-0.012 χ^2/NDF:60.0/43

All: 0.012+/-0.009 χ^2/NDF: 87.0/83

asym_us_dd_at2lr_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 54.158+/-0.016 χ^2/NDF: 2223468.6/16

Left Out: 51.081+/-0.011 χ^2/NDF:11736636.7/23

Right Out: 51.038+/-0.015 χ^2/NDF: 3362362.0/19

Left In: 50.251+/-0.011 χ^2/NDF:12195723.8/22

Left: 50.660+/-0.008 χ^2/NDF: 23935280.6/46

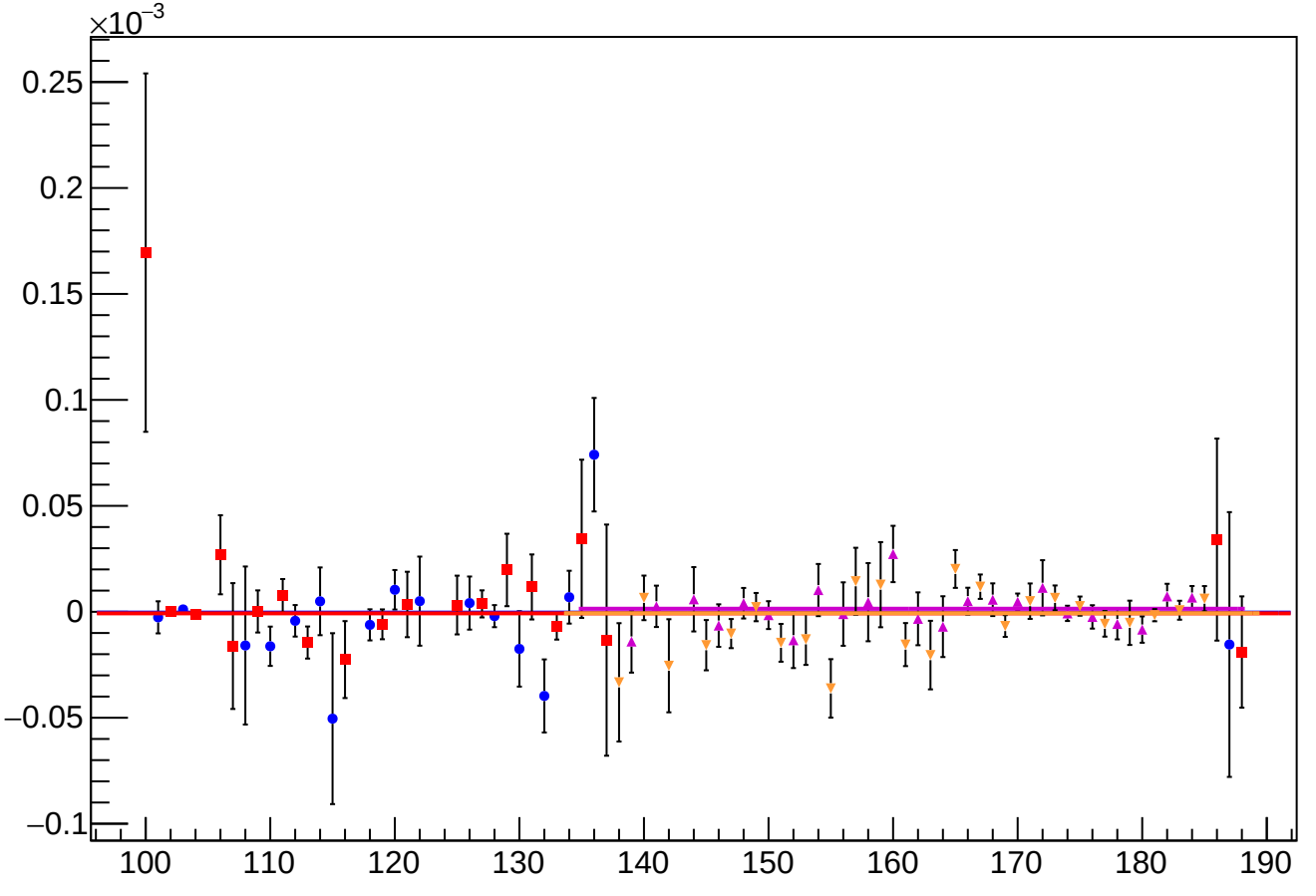
Right: 52.449+/-0.011 χ^2/NDF: 5606257.4/36

In: 51.456+/-0.009 χ^2/NDF:14459639.6/39

Out: 51.065+/-0.009 χ^2/NDF:15099004.2/43

All: 51.256+/-0.006 χ^2/NDF: 29559610.3/83

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 22.2/16

Left Out: -0.000+/-0.000 χ^2/NDF:38.5/23

Right Out: -0.000+/-0.000 χ^2/NDF: 18.9/19

Left In: 0.000+/-0.000 χ^2/NDF:16.4/22

Left: 0.000+/-0.000 χ^2/NDF: 56.0/46

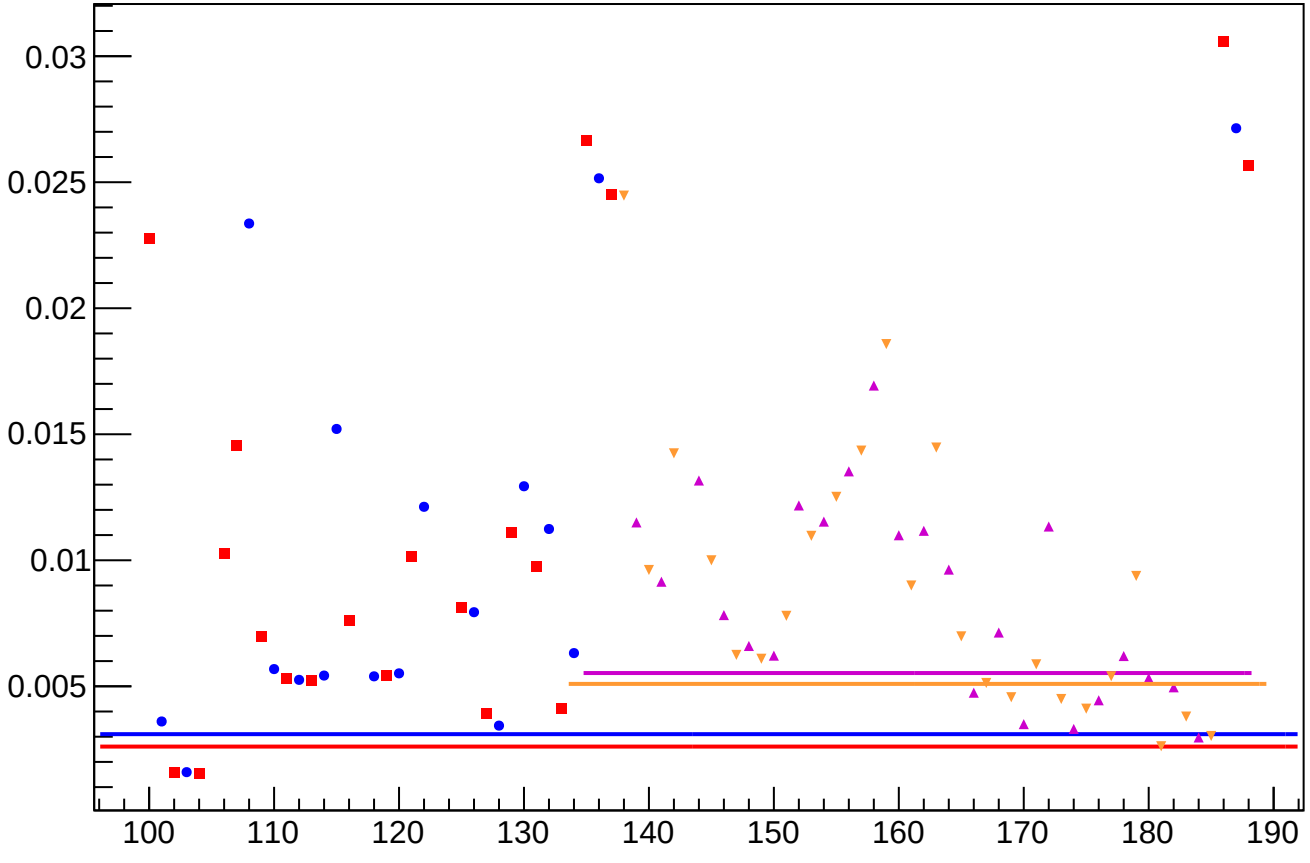
Right: -0.000+/-0.000 χ^2/NDF: 41.1/36

In: 0.000+/-0.000 χ^2/NDF:39.3/39

Out: -0.000+/-0.000 χ^2/NDF:57.3/43

All: -0.000+/-0.000 χ^2/NDF: 97.4/83

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: 6075424.9/16

Left Out: 0.005+/-0.000 χ^2/NDF:8380878.9/23

Right Out: 0.003+/-0.000 χ^2/NDF: 8474449.2/19

Left In: 0.006+/-0.000 χ^2/NDF:6892708.8/22

Left: 0.005+/-0.000 χ^2/NDF: 15361726.2/46

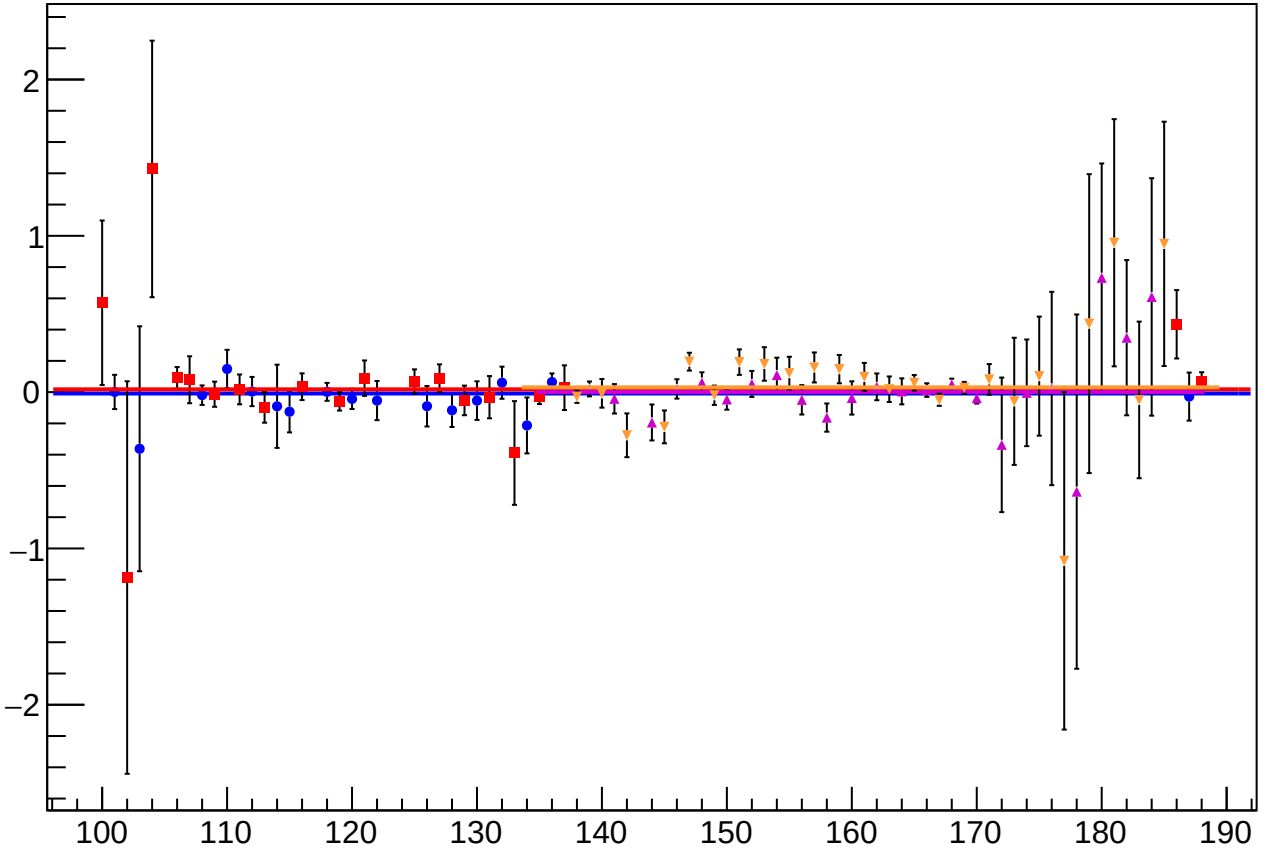
Right: 0.003+/-0.000 χ^2/NDF: 14664704.3/36

In: 0.004+/-0.000 χ^2/NDF:15367107.5/39

Out: 0.004+/-0.000 χ^2/NDF:20347105.9/43

All: 0.004+/-0.000 χ^2/NDF: 36134591.7/83

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.009+/-0.023 χ^2/NDF: 8.3/16

Left Out: 0.031+/-0.015 χ^2/NDF:41.5/23

Right Out: 0.018+/-0.021 χ^2/NDF: 18.2/19

Left In: 0.001+/-0.015 χ^2/NDF:16.0/22

Left: 0.015+/-0.011 χ^2/NDF: 59.5/46

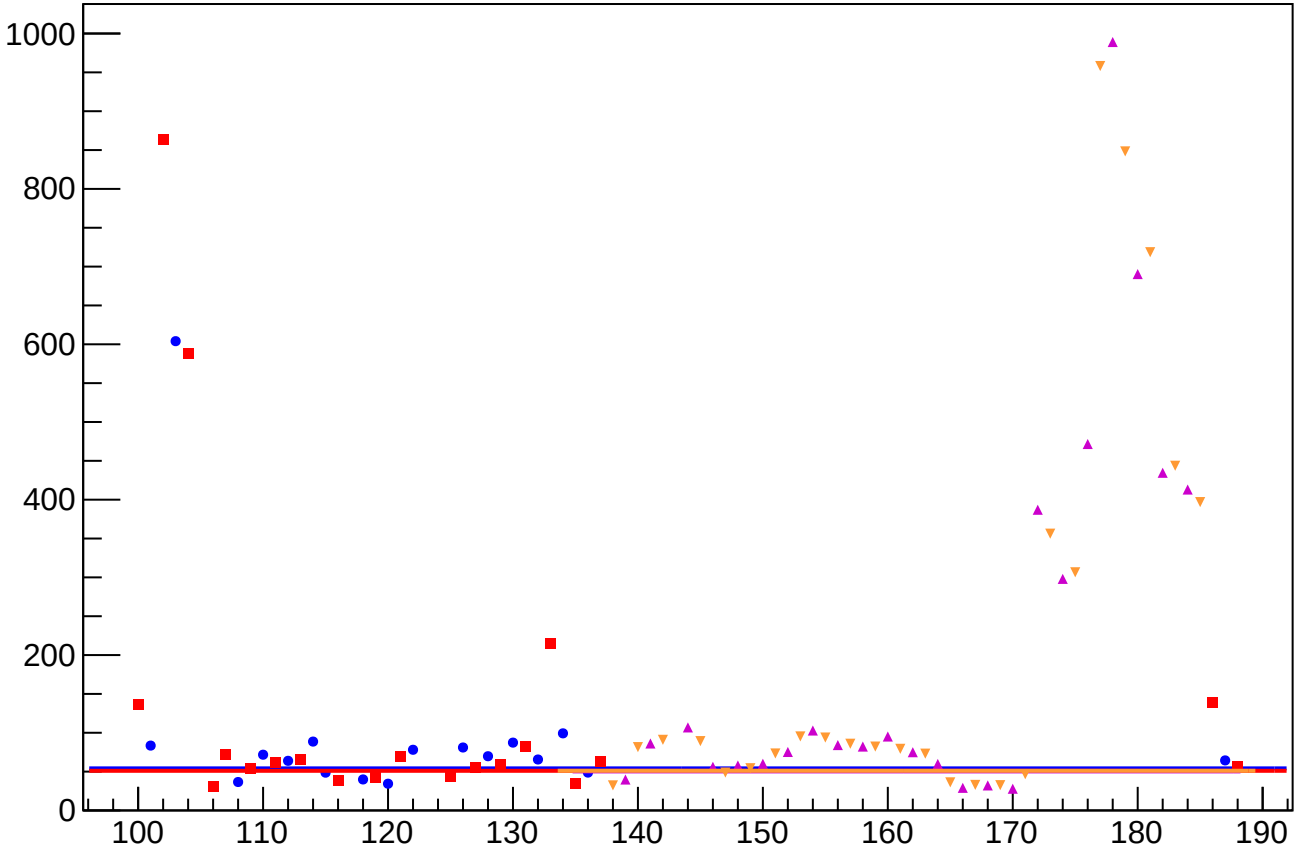
Right: 0.006+/-0.015 χ^2/NDF: 27.3/36

In: -0.002+/-0.013 χ^2/NDF:24.5/39

Out: 0.026+/-0.012 χ^2/NDF:60.0/43

All: 0.012+/-0.009 χ^2/NDF: 87.0/83

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 54.161+/-0.016 χ^2/NDF: 2223069.8/16

Left Out: 51.083+/-0.011 χ^2/NDF:11735805.5/23

Right Out: 51.040+/-0.015 χ^2/NDF: 3362102.0/19

Left In: 50.251+/-0.011 χ^2/NDF:12195665.4/22

Left: 50.661+/-0.008 χ^2/NDF: 23934407.8/46

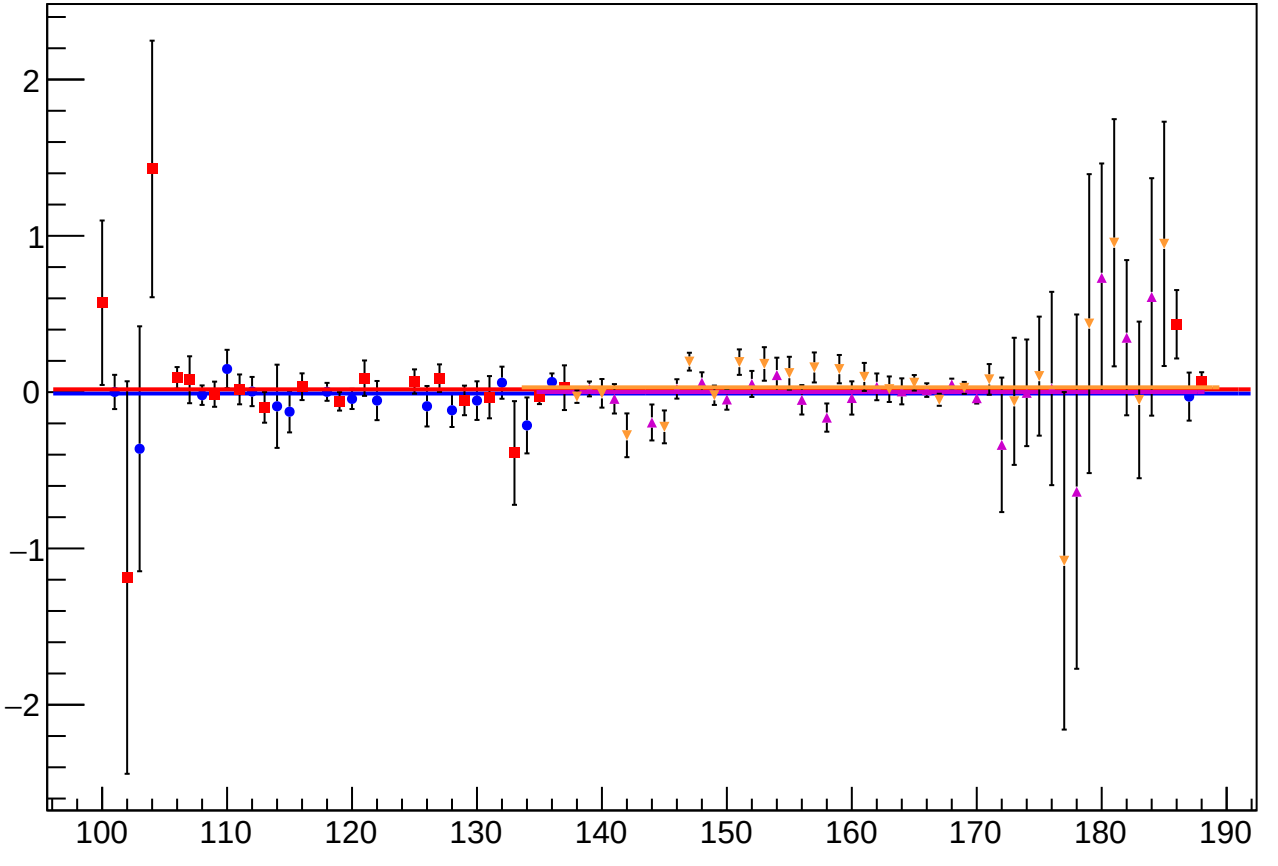
Right: 52.452+/-0.011 χ^2/NDF: 5605609.9/36

In: 51.457+/-0.009 χ^2/NDF:14459248.3/39

Out: 51.068+/-0.009 χ^2/NDF:15097913.1/43

All: 51.258+/-0.006 χ^2/NDF: 29558120.7/83

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.009+/-0.023 χ^2/NDF: 8.3/16

Left Out: 0.031+/-0.015 χ^2/NDF:41.5/23

Right Out: 0.018+/-0.021 χ^2/NDF: 18.2/19

Left In: 0.001+/-0.015 χ^2/NDF:16.0/22

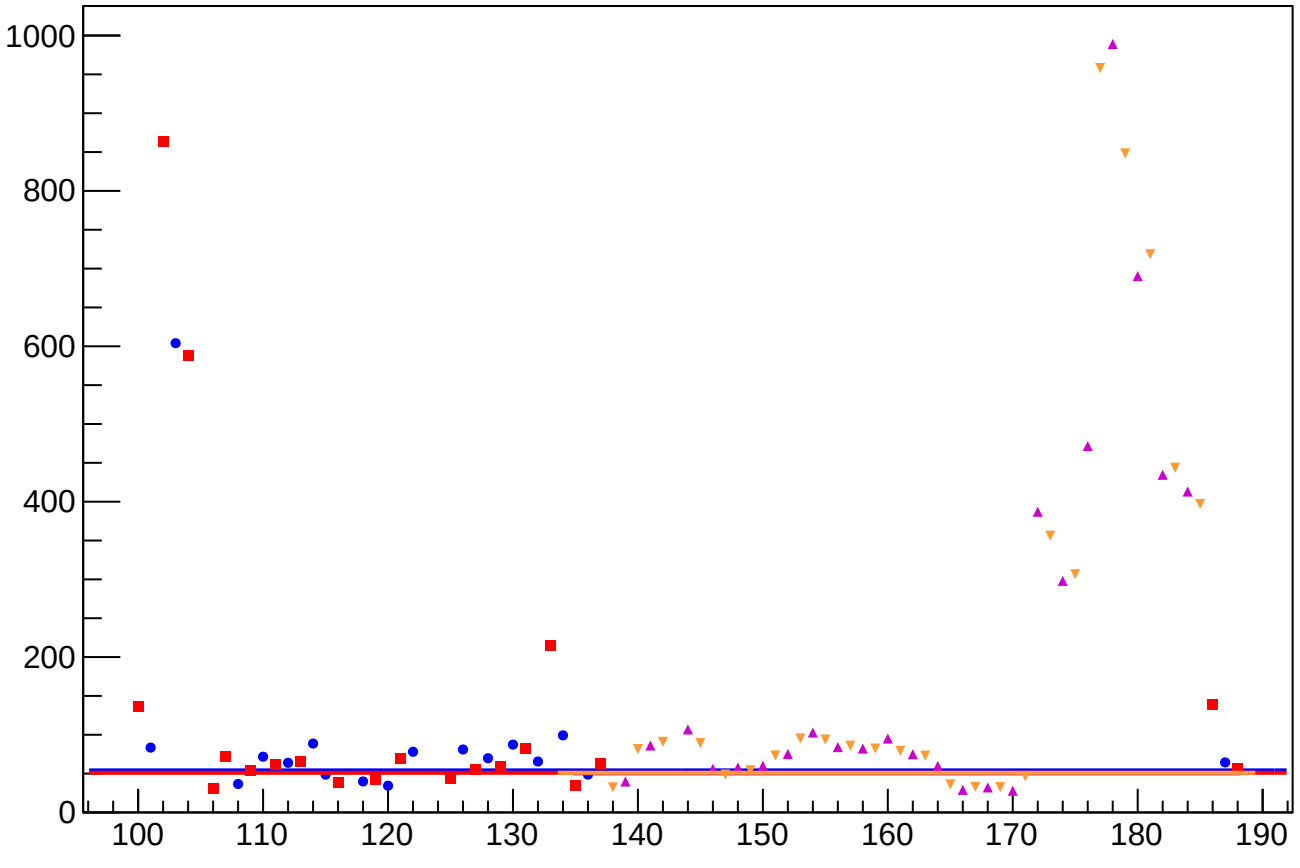
Left: 0.015+/-0.011 χ^2/NDF: 59.5/46

Right: 0.006+/-0.015 χ^2/NDF: 27.3/36

In: -0.002+/-0.013 χ^2/NDF:24.5/39

Out: 0.026+/-0.012 χ^2/NDF:60.0/43

All: 0.012+/-0.009 χ^2/NDF: 87.0/83



Right In: 54.161+/-0.016 χ^2/NDF: 2223069.8/16

Left Out: 51.083+/-0.011 χ^2/NDF:11735805.5/23

Right Out: 51.040+/-0.015 χ^2/NDF: 3362102.0/19

Left In: 50.251+/-0.011 χ^2/NDF:12195665.4/22

Left: 50.661+/-0.008 χ^2/NDF: 23934407.8/46

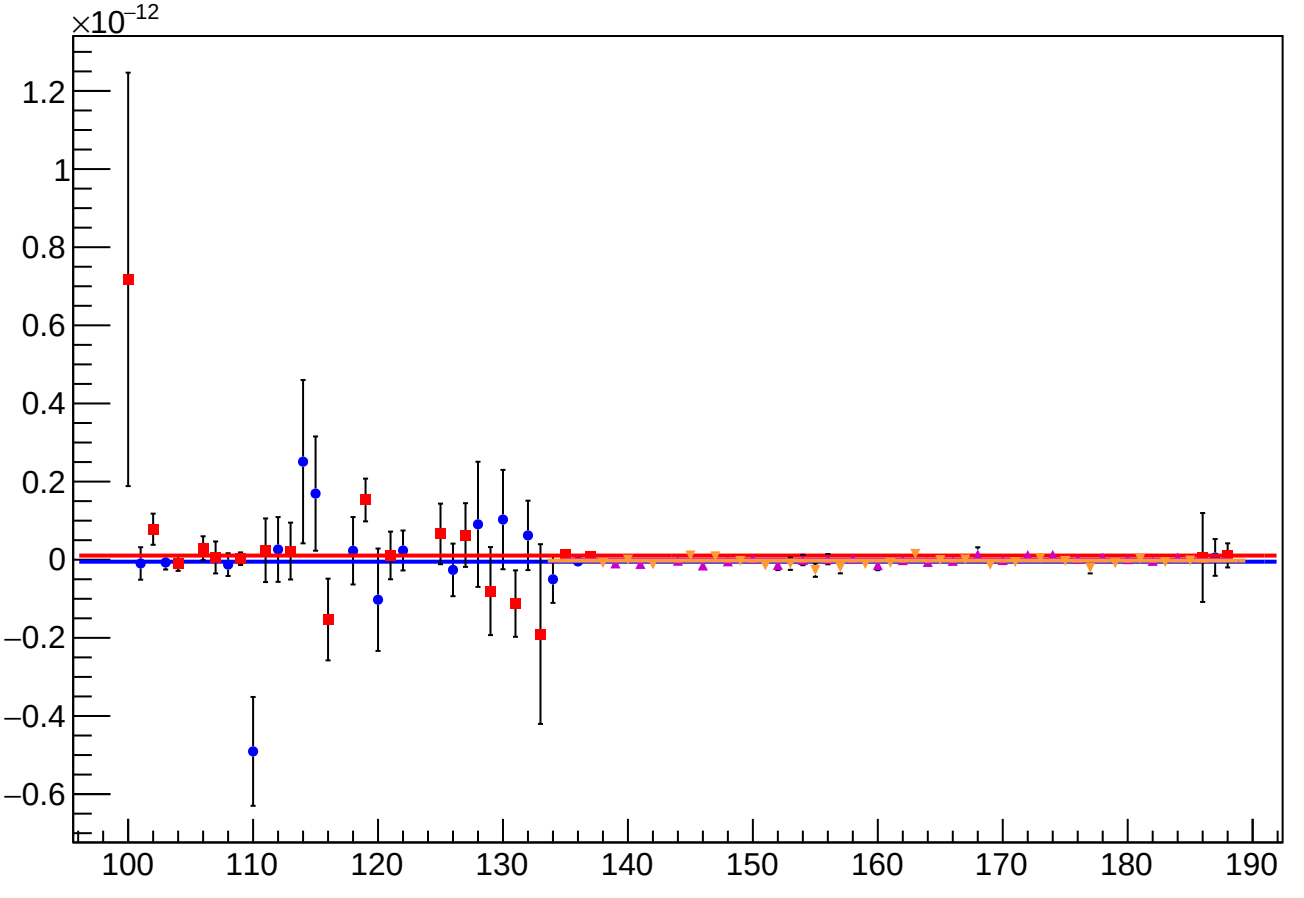
Right: 52.452+/-0.011 χ^2/NDF: 5605609.9/36

In: 51.457+/-0.009 χ^2/NDF:14459248.3/39

Out: 51.068+/-0.009 χ^2/NDF:15097913.1/43

All: 51.258+/-0.006 χ^2/NDF: 29558120.7/83

asym_us_dd_at2lr_dd_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 18.6/16

Left Out: -0.000+/-0.000 χ^2/NDF:22.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 20.1/19

Left In: -0.000+/-0.000 χ^2/NDF:18.2/22

Left: -0.000+/-0.000 χ^2/NDF: 41.4/46

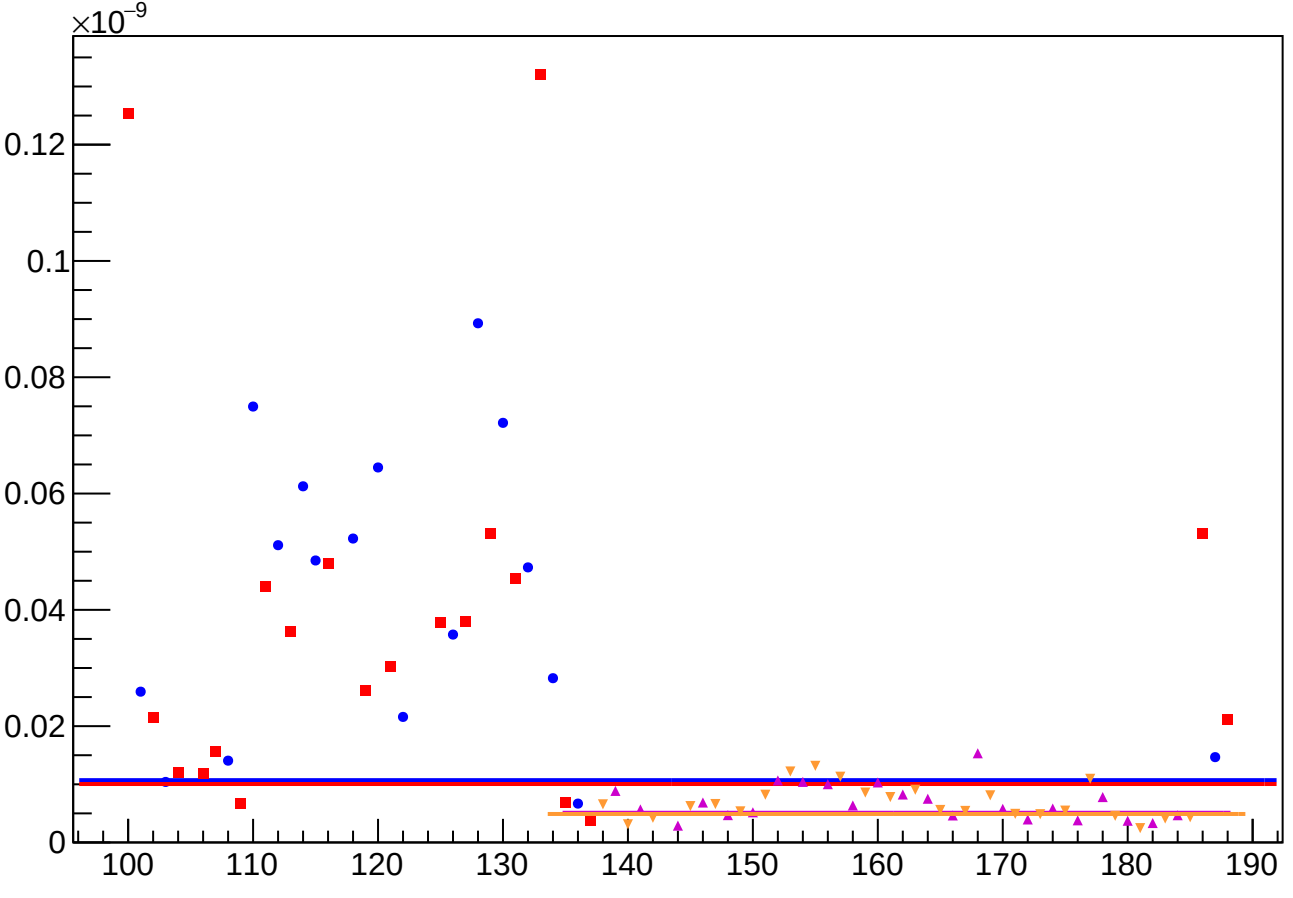
Right: 0.000+/-0.000 χ^2/NDF: 41.6/36

In: -0.000+/-0.000 χ^2/NDF:37.3/39

Out: -0.000+/-0.000 χ^2/NDF:46.3/43

All: -0.000+/-0.000 χ^2/NDF: 83.9/83

asym_us_dd_at2lr_dd_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 4571771.7/16

Left Out: 0.000+/-0.000 χ^2/NDF:4312108.9/23

Right Out: 0.000+/-0.000 χ^2/NDF: 4593325.3/19

Left In: 0.000+/-0.000 χ^2/NDF:3777059.0/22

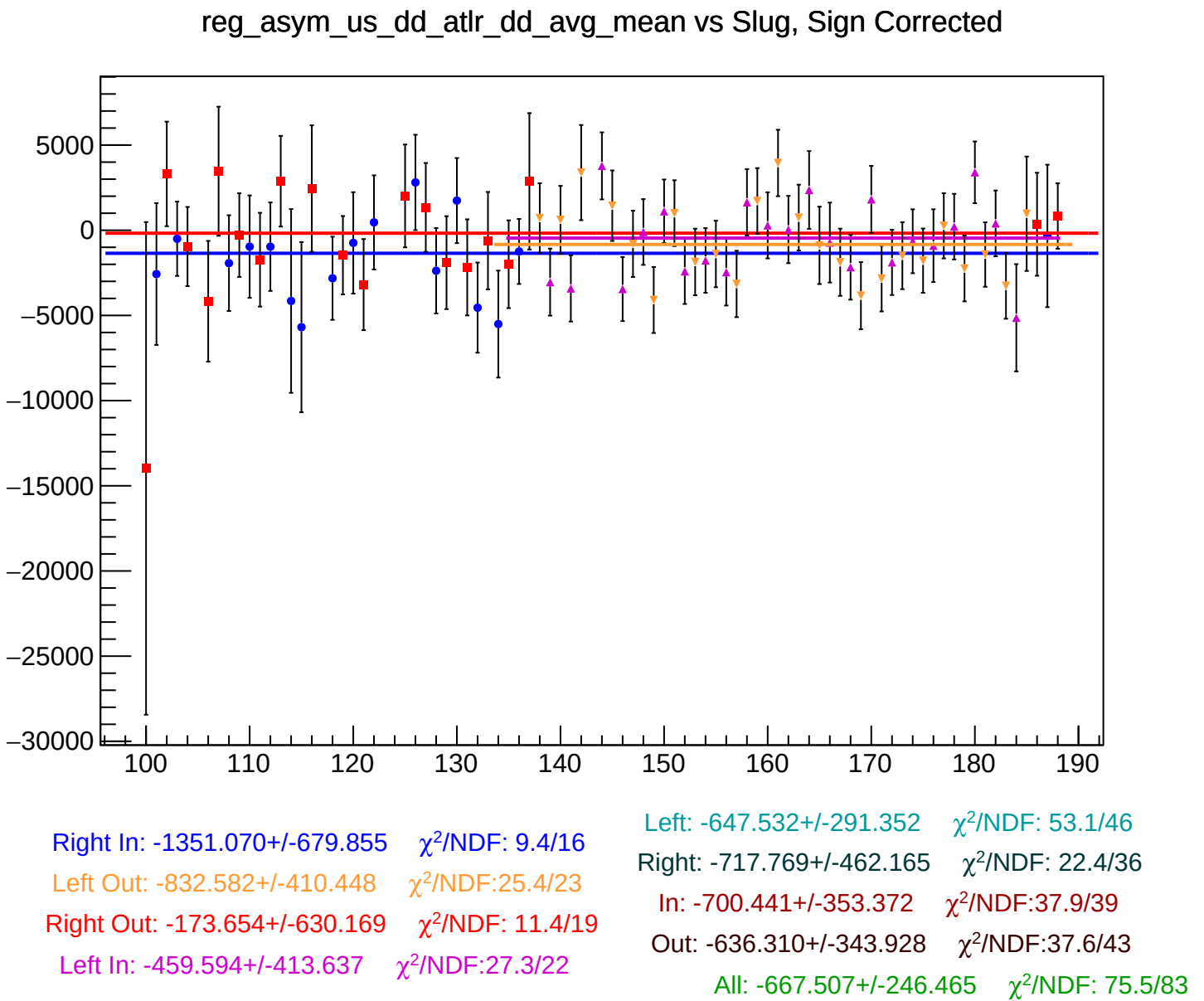
Left: 0.000+/-0.000 χ^2/NDF: 8107483.0/46

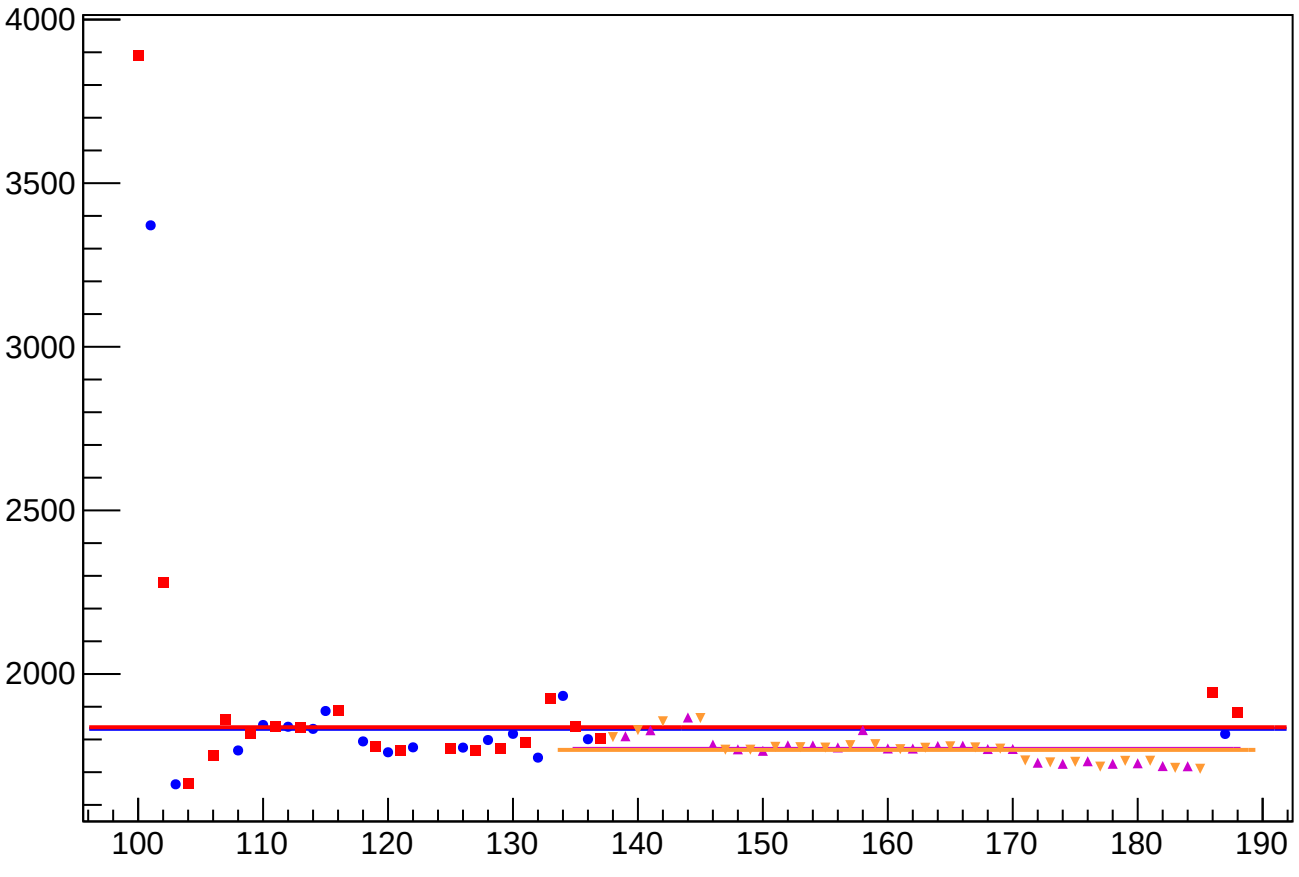
Right: 0.000+/-0.000 χ^2/NDF: 9175397.4/36

In: 0.000+/-0.000 χ^2/NDF:9653461.2/39

Out: 0.000+/-0.000 χ^2/NDF:10166401.1/43

All: 0.000+/-0.000 χ^2/NDF: 19840205.6/83


reg_asym_us_dd_atlr_dd_avg_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
−30000
100
110
120
130
140
150
160
170
180
190
Right In: -1351.070+/-679.855 χ²/NDF: 9.4/16
Left Out: -832.582+/-410.448 χ²/NDF:25.4/23
Right Out: -173.654+/-630.169 χ²/NDF: 11.4/19
Left In: -459.594+/-413.637 χ²/NDF:27.3/22
Left: -647.532+/-291.352 χ²/NDF: 53.1/46
Right: -717.769+/-462.165 χ²/NDF: 22.4/36
In: -700.441+/-353.372 χ²/NDF:37.9/39
Out: -636.310+/-343.928 χ²/NDF:37.6/43
All: -667.507+/-246.465 χ²/NDF: 75.5/83



Right In: 1832.520+/-0.481 χ^2/NDF: 295468.4/16

Left Out: 1768.125+/-0.290 χ^2/NDF:16358.2/23

Right Out: 1837.325+/-0.446 χ^2/NDF: 107121.5/19

Left In: 1771.217+/-0.292 χ^2/NDF:16425.7/22

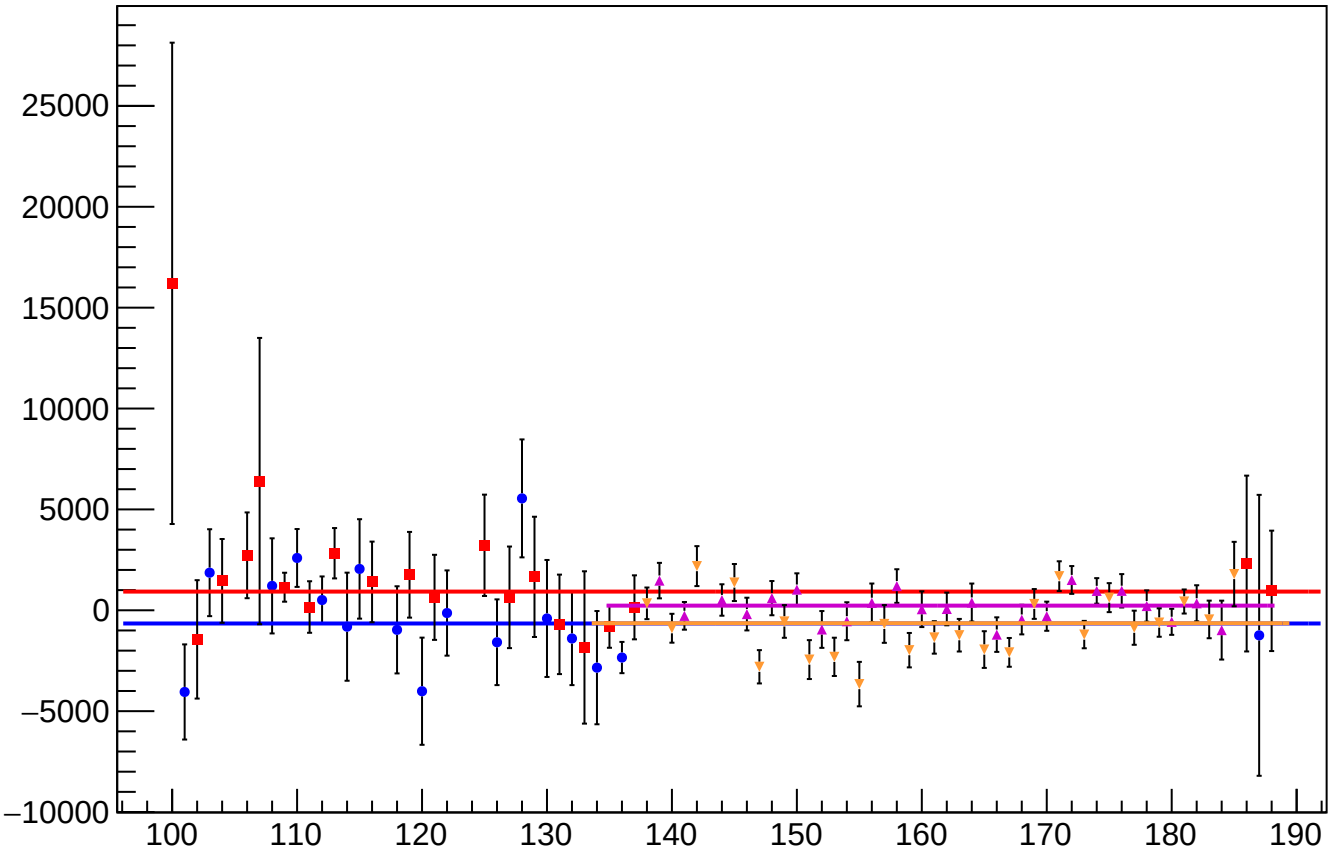
Left: 1769.659+/-0.206 χ^2/NDF: 32840.2/46

Right: 1835.104+/-0.327 χ^2/NDF: 402643.7/36

In: 1787.779+/-0.250 χ^2/NDF:323762.0/39

Out: 1788.738+/-0.243 χ^2/NDF:140413.3/43

All: 1788.272+/-0.174 χ^2/NDF: 464182.9/83



Right In: -654.311+/-441.246 χ^2/NDF: 23.2/16

Left Out: -641.029+/-166.449 χ^2/NDF:66.7/23

Right Out: 926.678+/-388.493 χ^2/NDF: 11.6/19

Left In: 230.653+/-168.319 χ^2/NDF:19.9/22

Left: -210.057+/-118.353 χ^2/NDF: 100.2/46

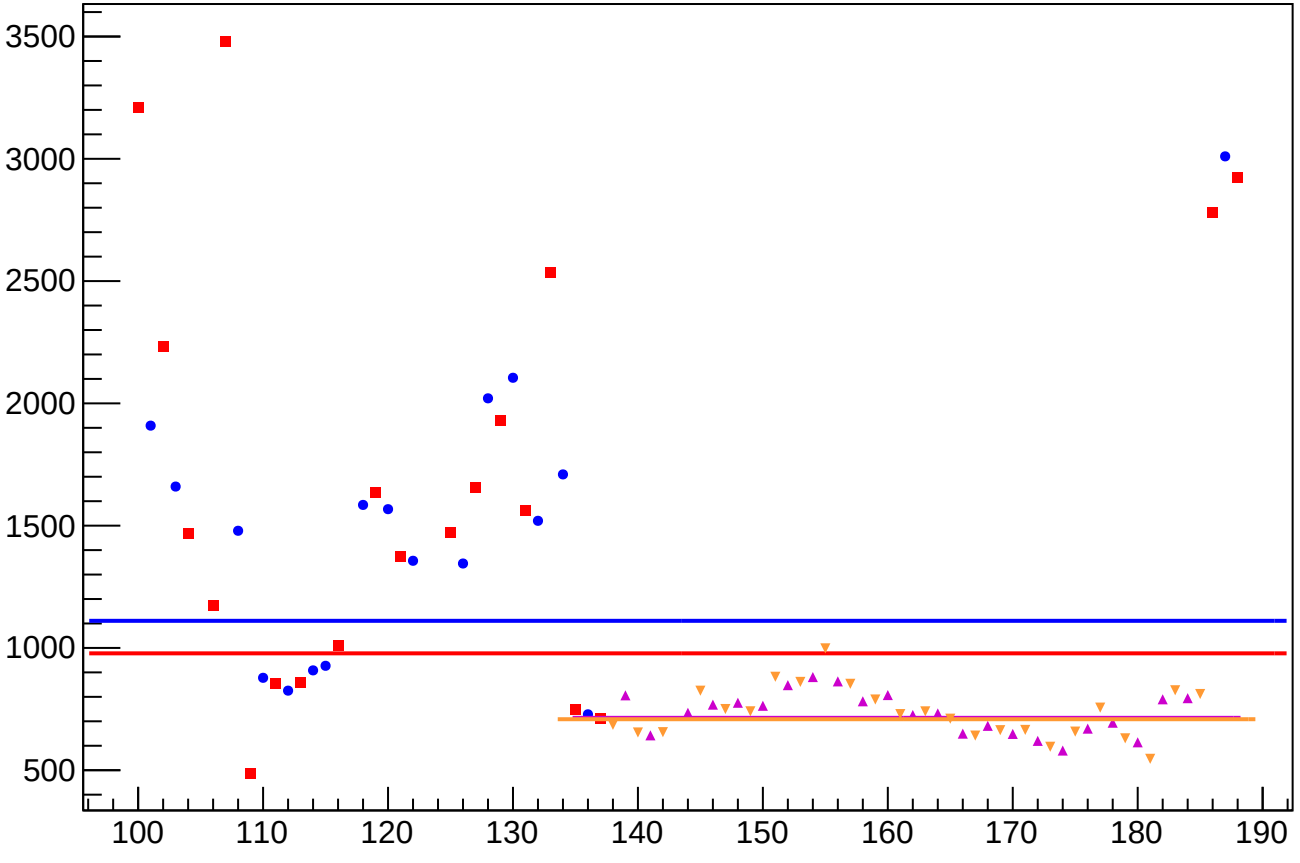
Right: 236.296+/-291.582 χ^2/NDF: 42.1/36

In: 118.236+/-157.265 χ^2/NDF:46.7/39

Out: -397.882+/-152.998 χ^2/NDF:92.1/43

All: -146.921+/-109.663 χ^2/NDF: 144.3/83

asym_us_dd_atlr_dd_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 1110.842+/-0.312 χ^2/NDF: 2027582.9/16

Left Out: 708.503+/-0.118 χ^2/NDF:700473.3/23

Right Out: 977.852+/-0.275 χ^2/NDF: 4276023.8/19

Left In: 714.162+/-0.119 χ^2/NDF:497246.5/22

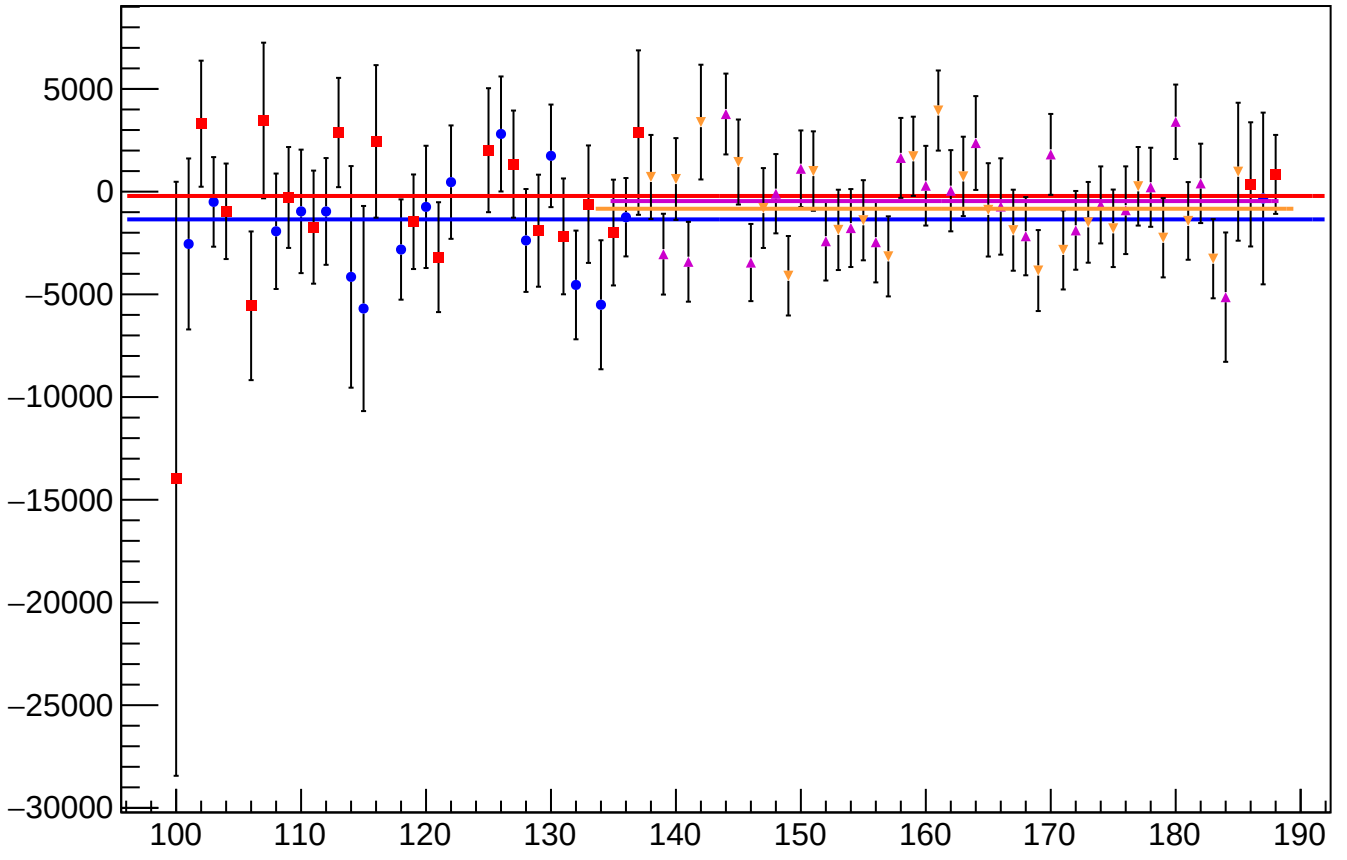
Left: 711.301+/-0.084 χ^2/NDF: 1198862.9/46

Right: 1035.925+/-0.206 χ^2/NDF: 6405951.3/36

In: 764.552+/-0.111 χ^2/NDF:3935897.9/39

Out: 750.278+/-0.108 χ^2/NDF:5788769.6/43

All: 757.219+/-0.078 χ^2/NDF: 9733132.4/83



Right In: -1350.486+/-679.856 χ^2/NDF: 9.4/16

Left Out: -832.476+/-410.448 χ^2/NDF:25.4/23

Right Out: -210.530+/-630.576 χ^2/NDF: 12.3/19

Left In: -459.554+/-413.637 χ^2/NDF:27.3/22

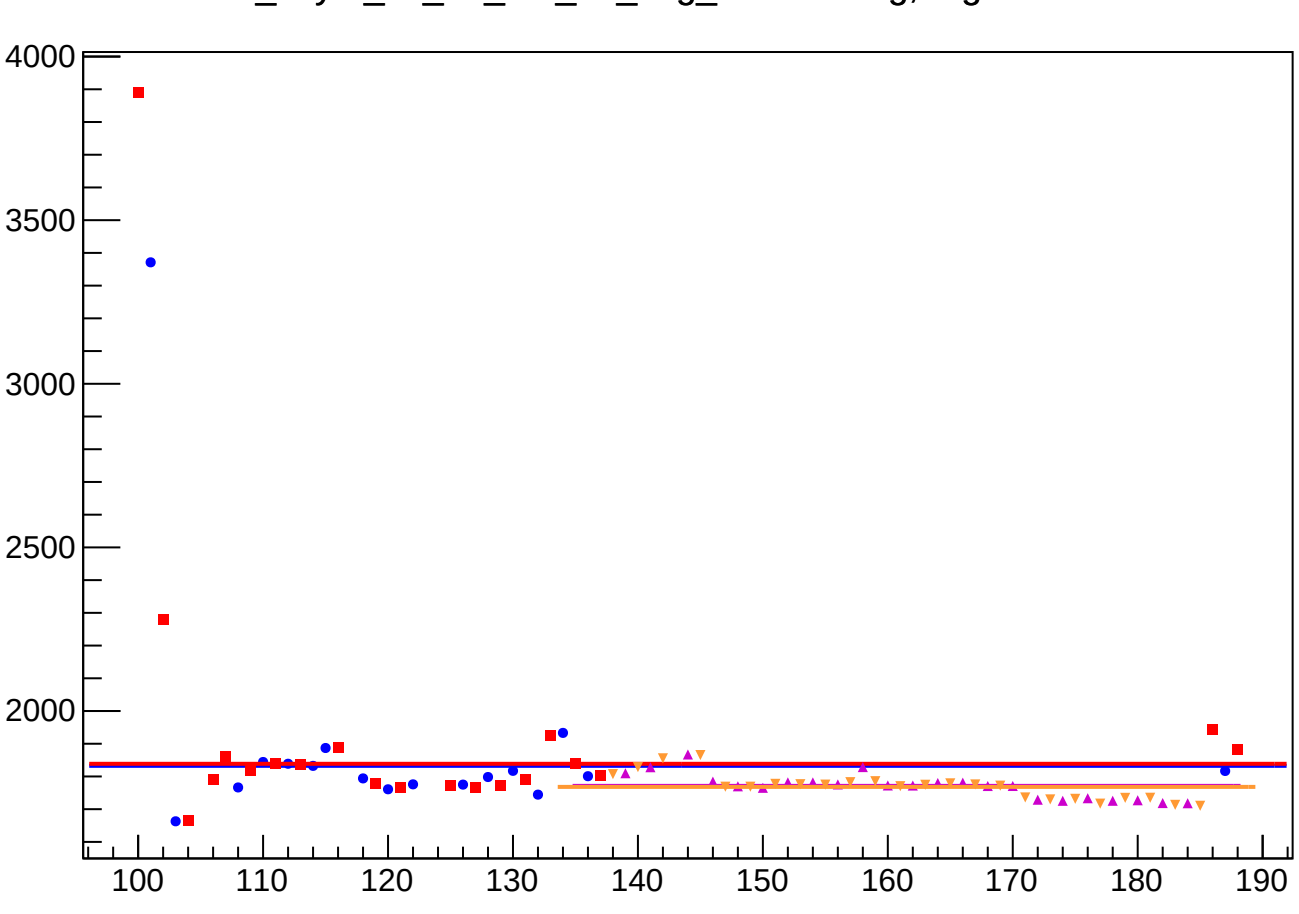
Left: -647.458+/-291.352 χ^2/NDF: 53.1/46

Right: -737.700+/-462.325 χ^2/NDF: 23.2/36

In: -700.253+/-353.372 χ^2/NDF:37.9/39

Out: -647.387+/-343.994 χ^2/NDF:38.5/43

All: -673.109+/-246.489 χ^2/NDF: 76.3/83



Right In: 1832.520+/-0.481 χ^2/NDF: 295470.3/16

Left Out: 1768.125+/-0.290 χ^2/NDF:16358.2/23

Right Out: 1838.678+/-0.446 χ^2/NDF: 106236.1/19

Left In: 1771.217+/-0.292 χ^2/NDF:16425.7/22

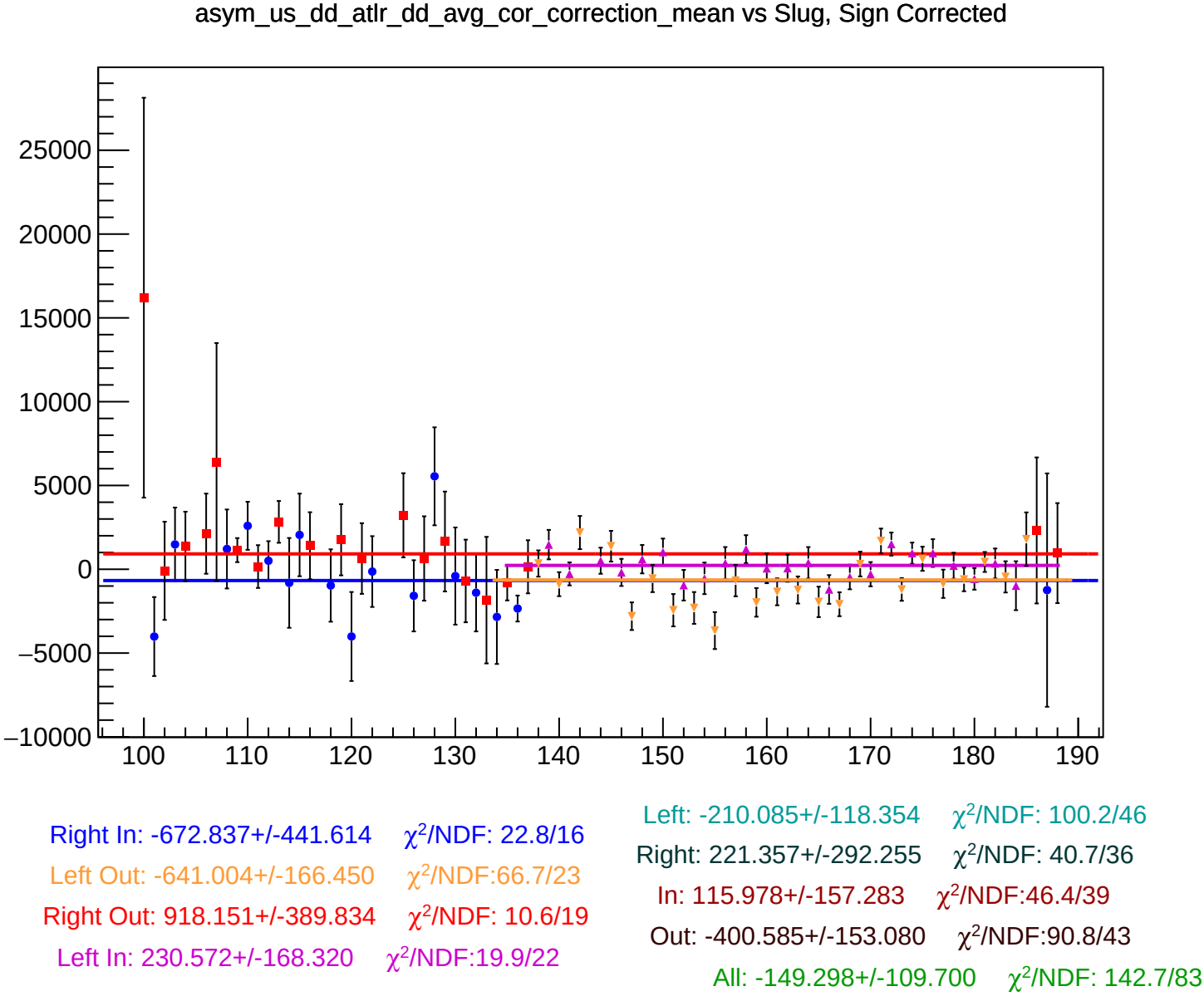
Left: 1769.659+/-0.206 χ^2/NDF: 32840.2/46

Right: 1835.830+/-0.327 χ^2/NDF: 401794.7/36

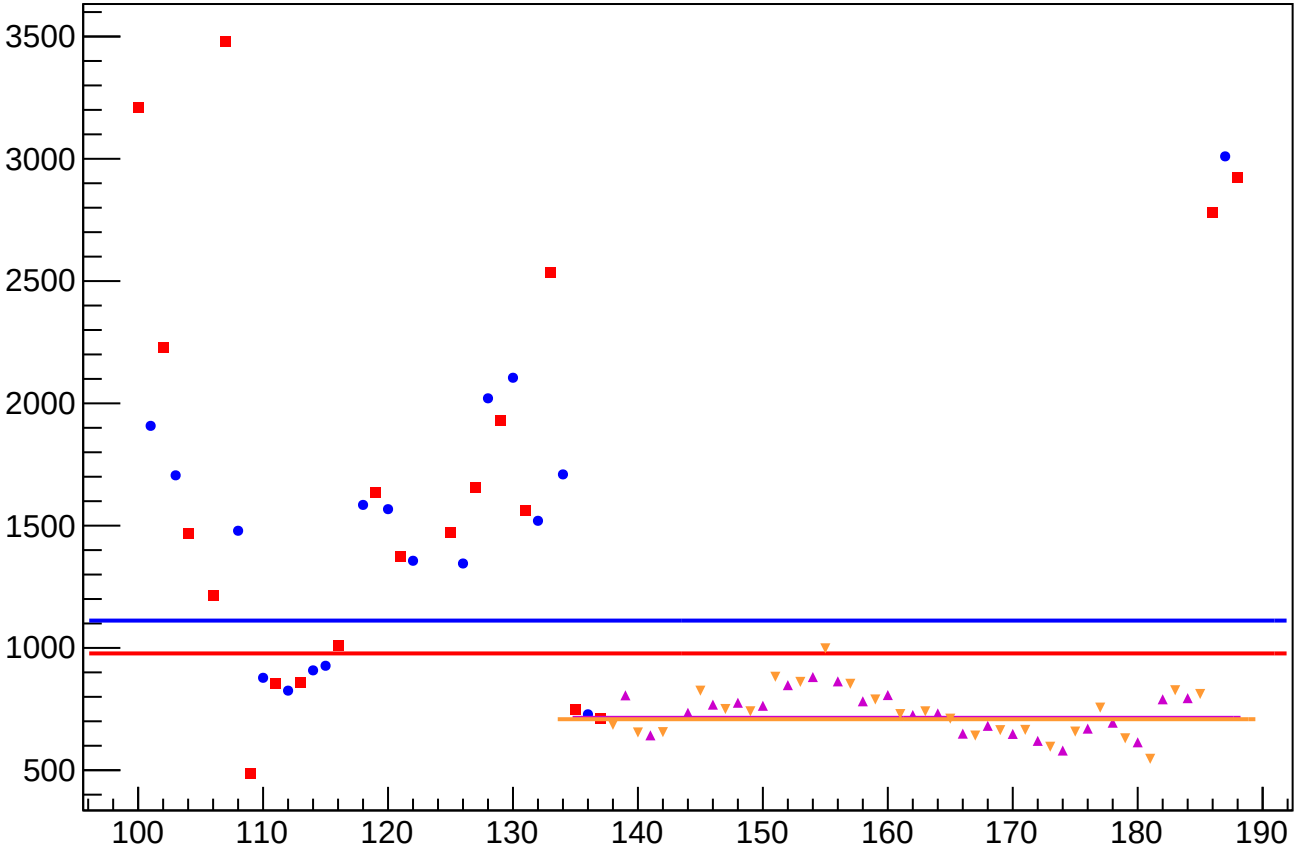
In: 1787.779+/-0.250 χ^2/NDF:323763.9/39

Out: 1789.122+/-0.243 χ^2/NDF:140180.6/43

All: 1788.469+/-0.174 χ^2/NDF: 463959.3/83


asym_us_dd_atlr_dd_avg_cor_correction_mean vs Slug, Sign Corrected
25000
20000
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
180
190
Right In: -672.837+/-441.614 χ²/NDF: 22.8/16
Left Out: -641.004+/-166.450 χ²/NDF:66.7/23
Right Out: 918.151+/-389.834 χ²/NDF: 10.6/19
Left In: 230.572+/-168.320 χ²/NDF:19.9/22
Left: -210.085+/-118.354 χ²/NDF: 100.2/46
Right: 221.357+/-292.255 χ²/NDF: 40.7/36
In: 115.978+/-157.283 χ²/NDF:46.4/39
Out: -400.585+/-153.080 χ²/NDF:90.8/43
All: -149.298+/-109.700 χ²/NDF: 142.7/83

asym_us_dd_atlr_dd_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 1111.770+/-0.312 χ^2/NDF: 2043742.6/16

Left Out: 708.508+/-0.118 χ^2/NDF:700448.7/23

Right Out: 977.477+/-0.276 χ^2/NDF: 4277013.3/19

Left In: 714.168+/-0.119 χ^2/NDF:497252.3/22

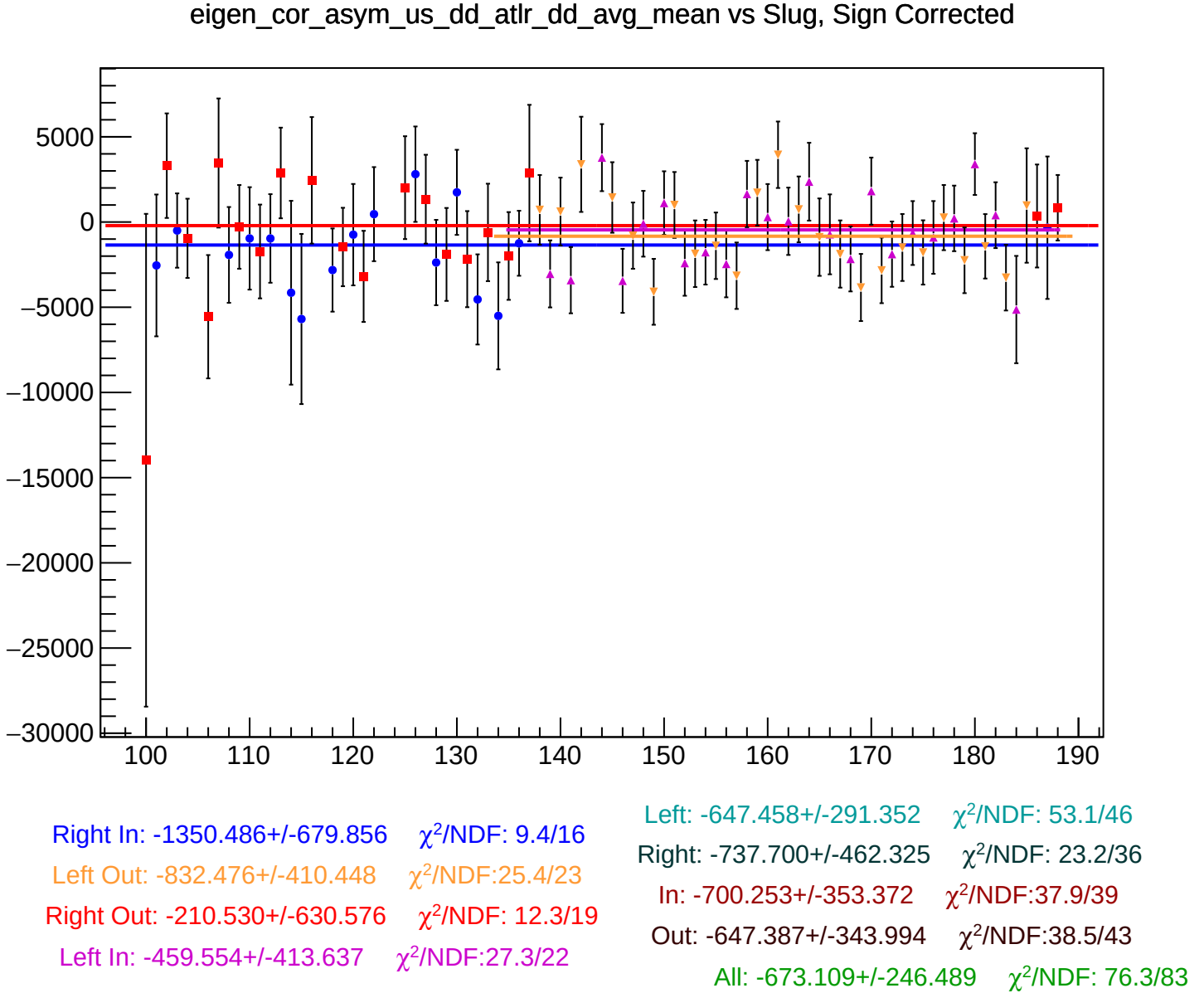
Left: 711.307+/-0.084 χ^2/NDF: 1198844.2/46

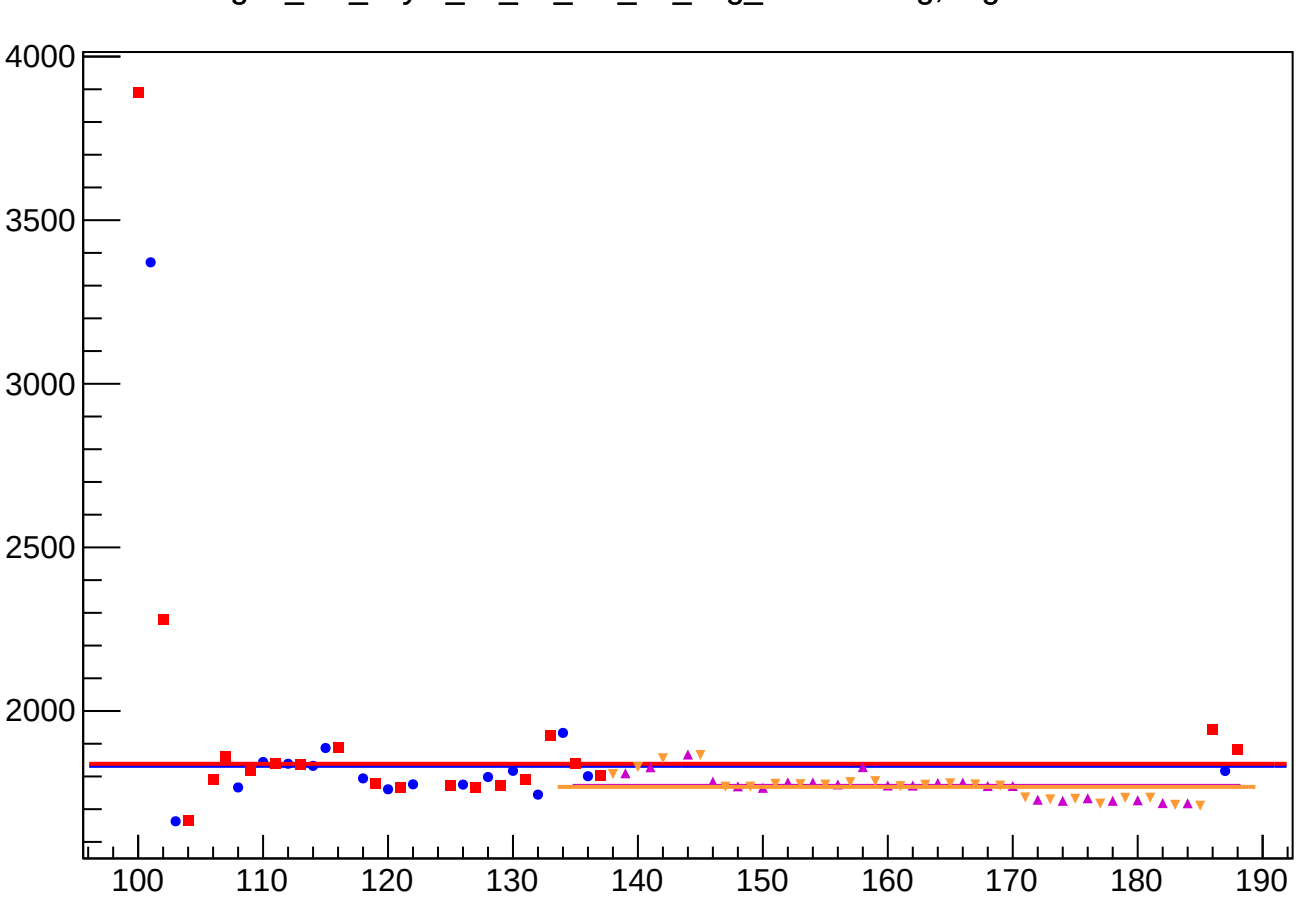
Right: 1036.293+/-0.207 χ^2/NDF: 6424703.3/36

In: 764.602+/-0.111 χ^2/NDF:3956567.9/39

Out: 749.983+/-0.108 χ^2/NDF:5782738.1/43

All: 757.095+/-0.078 χ^2/NDF: 9748179.7/83


eigen_cor_asym_us_dd_atlr_dd_avg_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
−30000
100
110
120
130
140
150
160
170
180
190
Right In: -1350.486+/-679.856 χ²/NDF: 9.4/16
Left Out: -832.476+/-410.448 χ²/NDF:25.4/23
Right Out: -210.530+/-630.576 χ²/NDF: 12.3/19
Left In: -459.554+/-413.637 χ²/NDF:27.3/22
Left: -647.458+/-291.352 χ²/NDF: 53.1/46
Right: -737.700+/-462.325 χ²/NDF: 23.2/36
In: -700.253+/-353.372 χ²/NDF:37.9/39
Out: -647.387+/-343.994 χ²/NDF:38.5/43
All: -673.109+/-246.489 χ²/NDF: 76.3/83



Right In: 1832.520+/-0.481 χ^2/NDF: 295470.3/16

Left Out: 1768.125+/-0.290 χ^2/NDF:16358.2/23

Right Out: 1838.678+/-0.446 χ^2/NDF: 106236.1/19

Left In: 1771.217+/-0.292 χ^2/NDF:16425.7/22

Left: 1769.659+/-0.206 χ^2/NDF: 32840.2/46

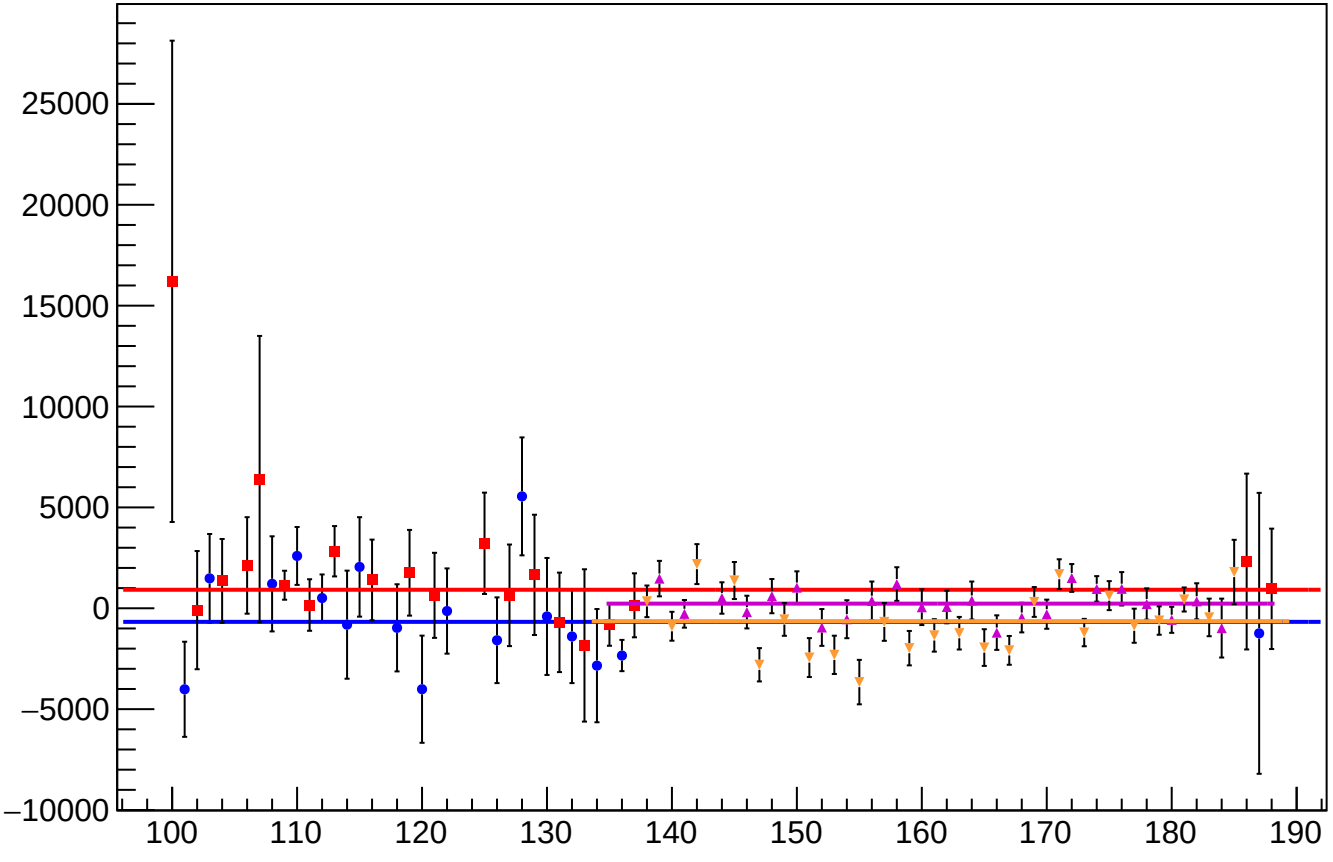
Right: 1835.830+/-0.327 χ^2/NDF: 401794.7/36

In: 1787.779+/-0.250 χ^2/NDF:323763.9/39

Out: 1789.122+/-0.243 χ^2/NDF:140180.6/43

All: 1788.469+/-0.174 χ^2/NDF: 463959.3/83

asym_us_dd_atlr_dd_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -672.837+/-441.614 χ^2/NDF: 22.8/16

Left Out: -641.004+/-166.450 χ^2/NDF:66.7/23

Right Out: 918.151+/-389.834 χ^2/NDF: 10.6/19

Left In: 230.572+/-168.320 χ^2/NDF:19.9/22

Left: -210.085+/-118.354 χ^2/NDF: 100.2/46

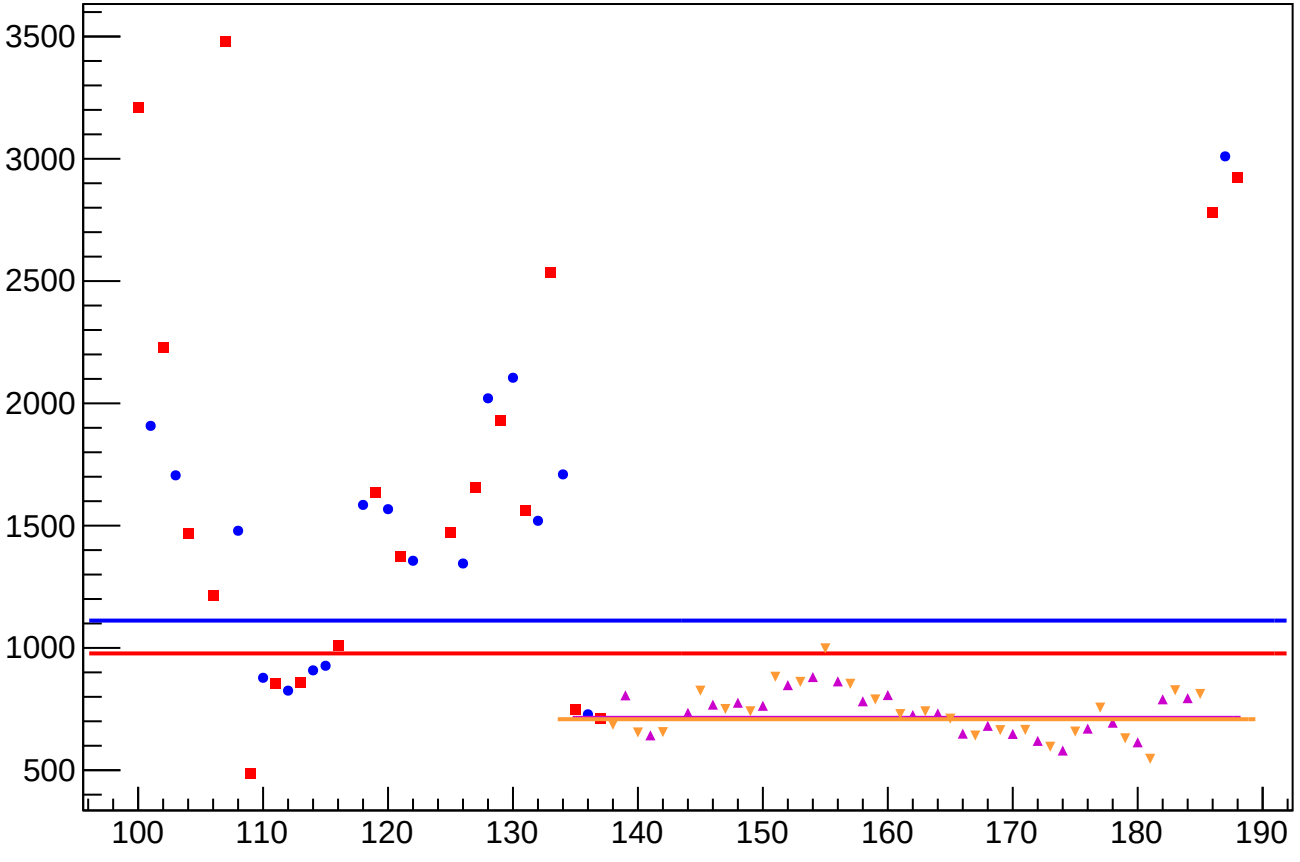
Right: 221.357+/-292.255 χ^2/NDF: 40.7/36

In: 115.978+/-157.283 χ^2/NDF:46.4/39

Out: -400.585+/-153.080 χ^2/NDF:90.8/43

All: -149.298+/-109.700 χ^2/NDF: 142.7/83

asym_us_dd_atlr_dd_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1111.770+/-0.312 χ^2/NDF: 2043742.6/16

Left Out: 708.508+/-0.118 χ^2/NDF:700448.7/23

Right Out: 977.477+/-0.276 χ^2/NDF: 4277013.3/19

Left In: 714.168+/-0.119 χ^2/NDF:497252.3/22

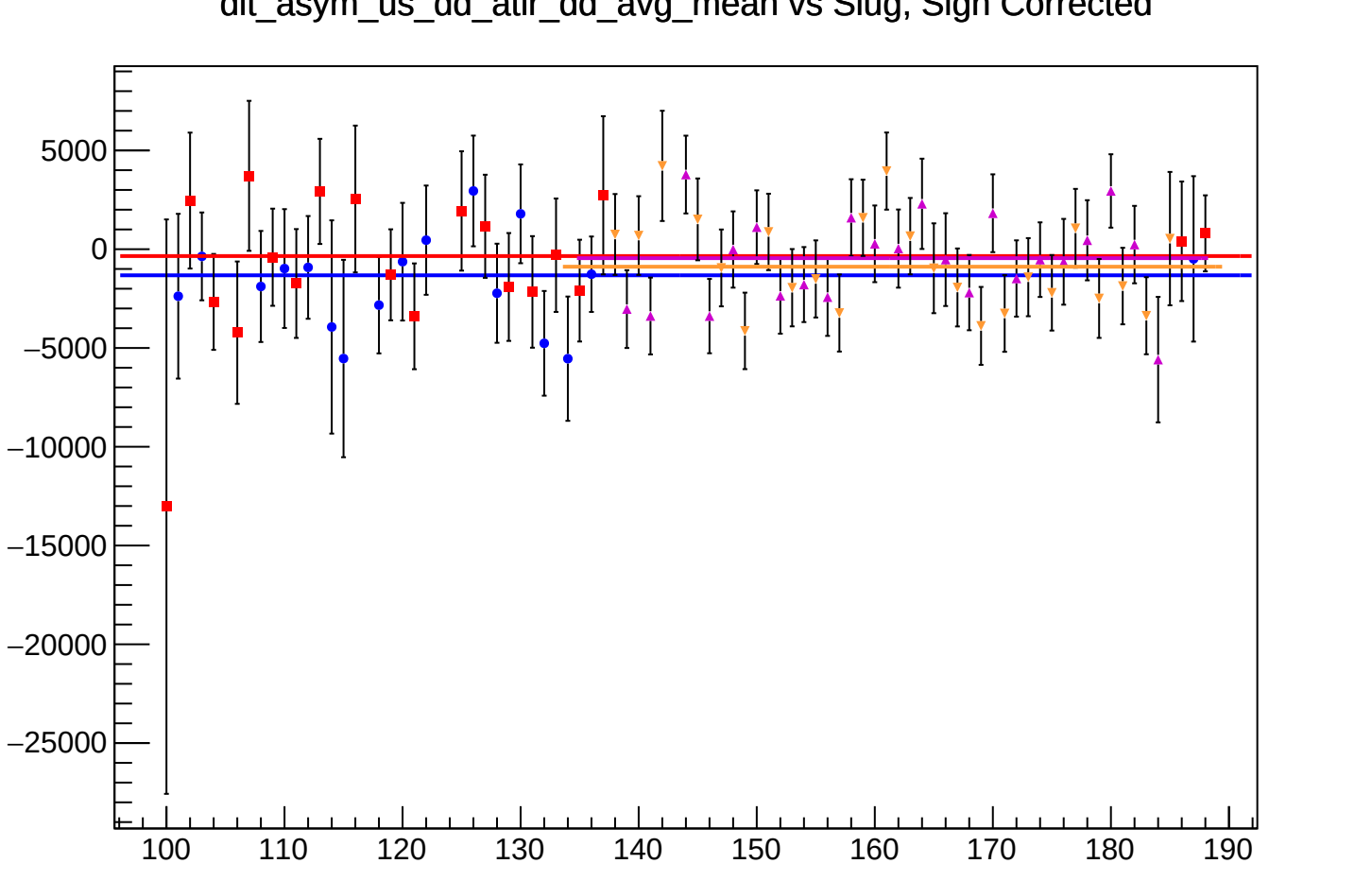
Left: 711.307+/-0.084 χ^2/NDF: 1198844.2/46

Right: 1036.293+/-0.207 χ^2/NDF: 6424703.3/36

In: 764.602+/-0.111 χ^2/NDF:3956567.9/39

Out: 749.983+/-0.108 χ^2/NDF:5782738.1/43

All: 757.095+/-0.078 χ^2/NDF: 9748179.7/83



Right In: -1321.304+/-681.719 χ^2/NDF: 9.7/16

Left Out: -886.354+/-413.227 χ^2/NDF:28.1/23

Right Out: -346.967+/-635.804 χ^2/NDF: 11.6/19

Left In: -453.237+/-416.200 χ^2/NDF:25.8/22

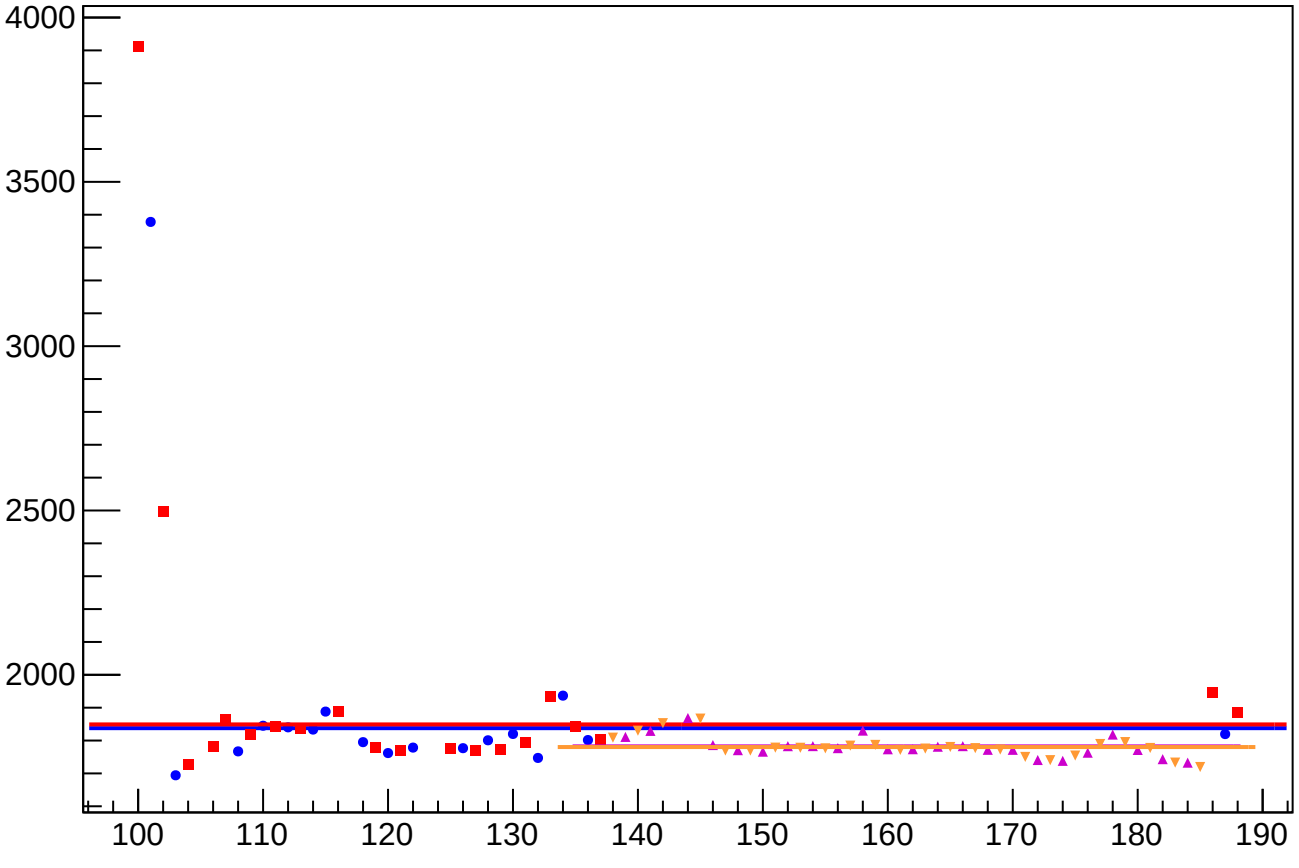
Left: -671.348+/-293.241 χ^2/NDF: 54.5/46

Right: -800.222+/-464.967 χ^2/NDF: 22.3/36

In: -688.938+/-355.230 χ^2/NDF:36.6/39

Out: -726.174+/-346.479 χ^2/NDF:40.2/43

All: -708.021+/-248.034 χ^2/NDF: 76.9/83



Right In: 1837.669+/-0.482 χ^2/NDF: 292022.0/16

Left Out: 1780.220+/-0.292 χ^2/NDF:10380.2/23

Right Out: 1849.097+/-0.450 χ^2/NDF: 131367.0/19

Left In: 1782.298+/-0.294 χ^2/NDF:11232.1/22

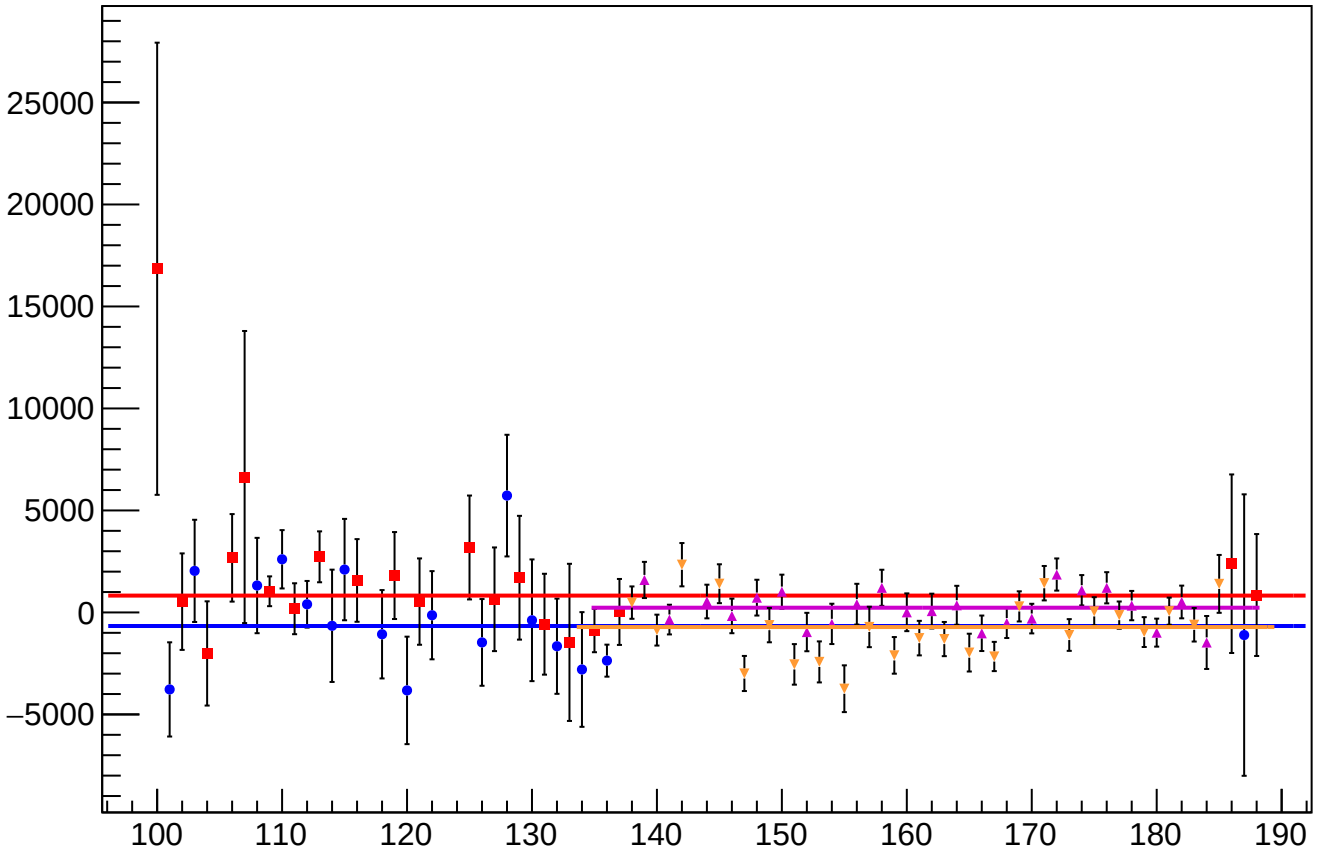
Left: 1781.252+/-0.207 χ^2/NDF: 21637.4/46

Right: 1843.781+/-0.329 χ^2/NDF: 423689.6/36

In: 1797.333+/-0.251 χ^2/NDF:312865.8/39

Out: 1800.675+/-0.245 χ^2/NDF:158248.0/43

All: 1799.045+/-0.175 χ^2/NDF: 471204.5/83



Right In: -665.344+/-444.975 χ^2/NDF: 22.8/16

Left Out: -716.600+/-170.602 χ^2/NDF:59.4/23

Right Out: 825.559+/-392.142 χ^2/NDF: 12.4/19

Left In: 231.320+/-173.436 χ^2/NDF:24.1/22

Left: -250.446+/-121.623 χ^2/NDF: 98.6/46

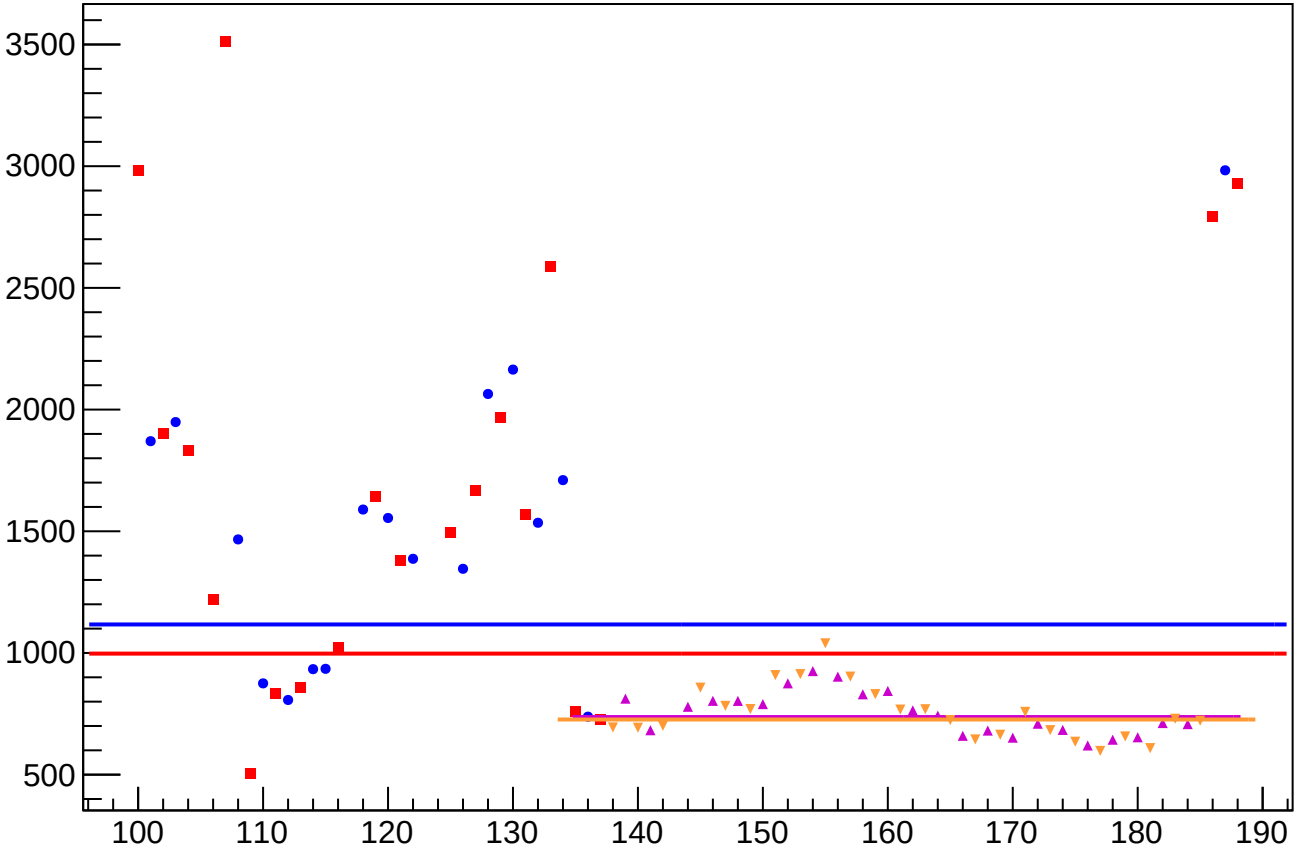
Right: 173.830+/-294.201 χ^2/NDF: 41.5/36

In: 113.067+/-161.595 χ^2/NDF:50.4/39

Out: -471.167+/-156.439 χ^2/NDF:84.7/43

All: -188.519+/-112.398 χ^2/NDF: 141.9/83

asym_us_dd_atlr_dd_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 1117.156+/-0.315 χ^2/NDF: 2120257.6/16

Left Out: 726.604+/-0.121 χ^2/NDF:684784.1/23

Right Out: 997.325+/-0.277 χ^2/NDF: 4255191.3/19

Left In: 736.709+/-0.123 χ^2/NDF:465041.6/22

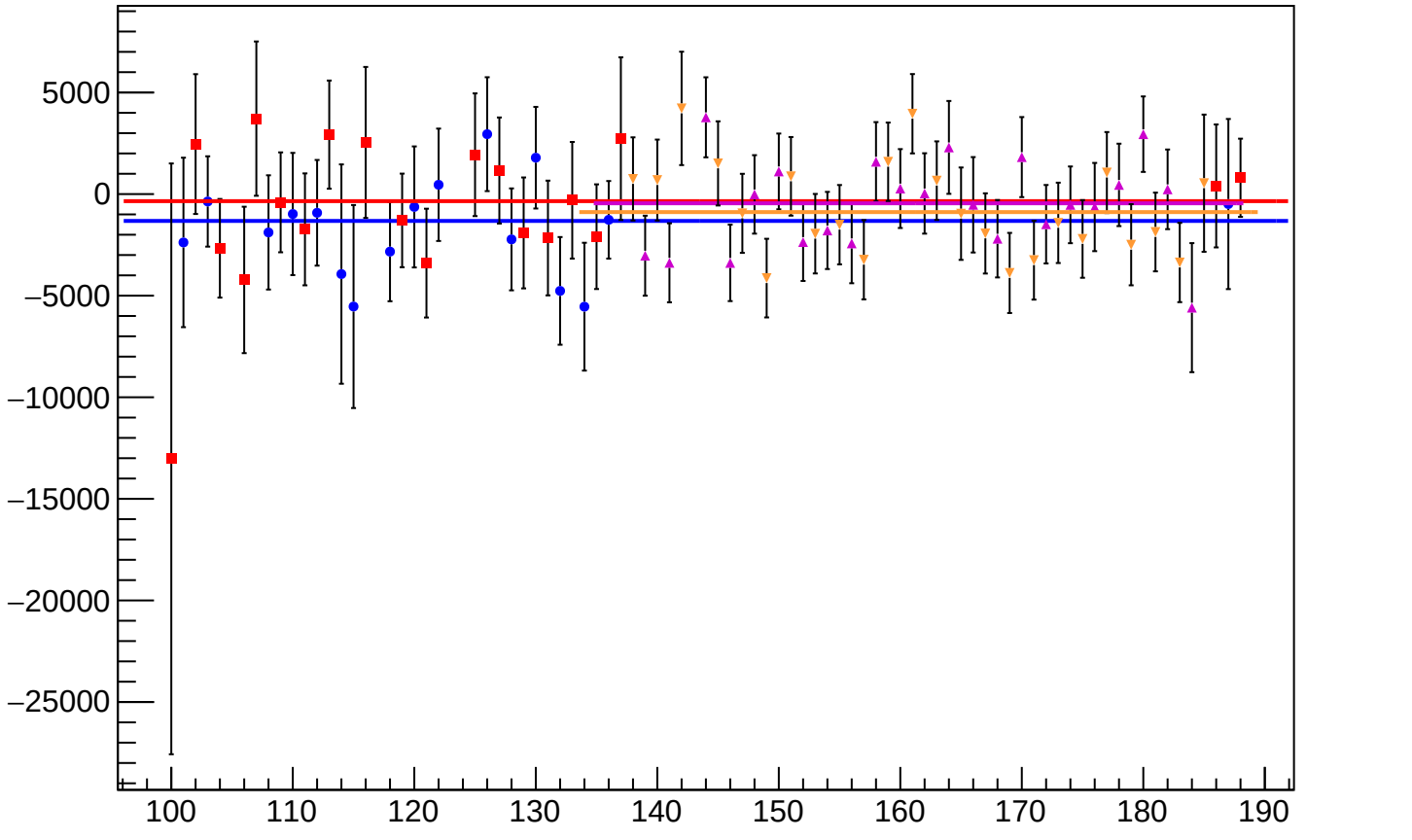
Left: 731.574+/-0.086 χ^2/NDF: 1153276.2/46

Right: 1049.707+/-0.208 χ^2/NDF: 6457087.7/36

In: 786.883+/-0.114 χ^2/NDF:3854481.0/39

Out: 769.689+/-0.111 χ^2/NDF:5741479.3/43

All: 778.008+/-0.079 χ^2/NDF: 9607648.5/83



Right In: -1321.307+/-681.719 χ^2/NDF: 9.7/16

Left Out: -886.352+/-413.227 χ^2/NDF:28.1/23

Right Out: -346.969+/-635.804 χ^2/NDF: 11.6/19

Left In: -453.236+/-416.200 χ^2/NDF:25.8/22

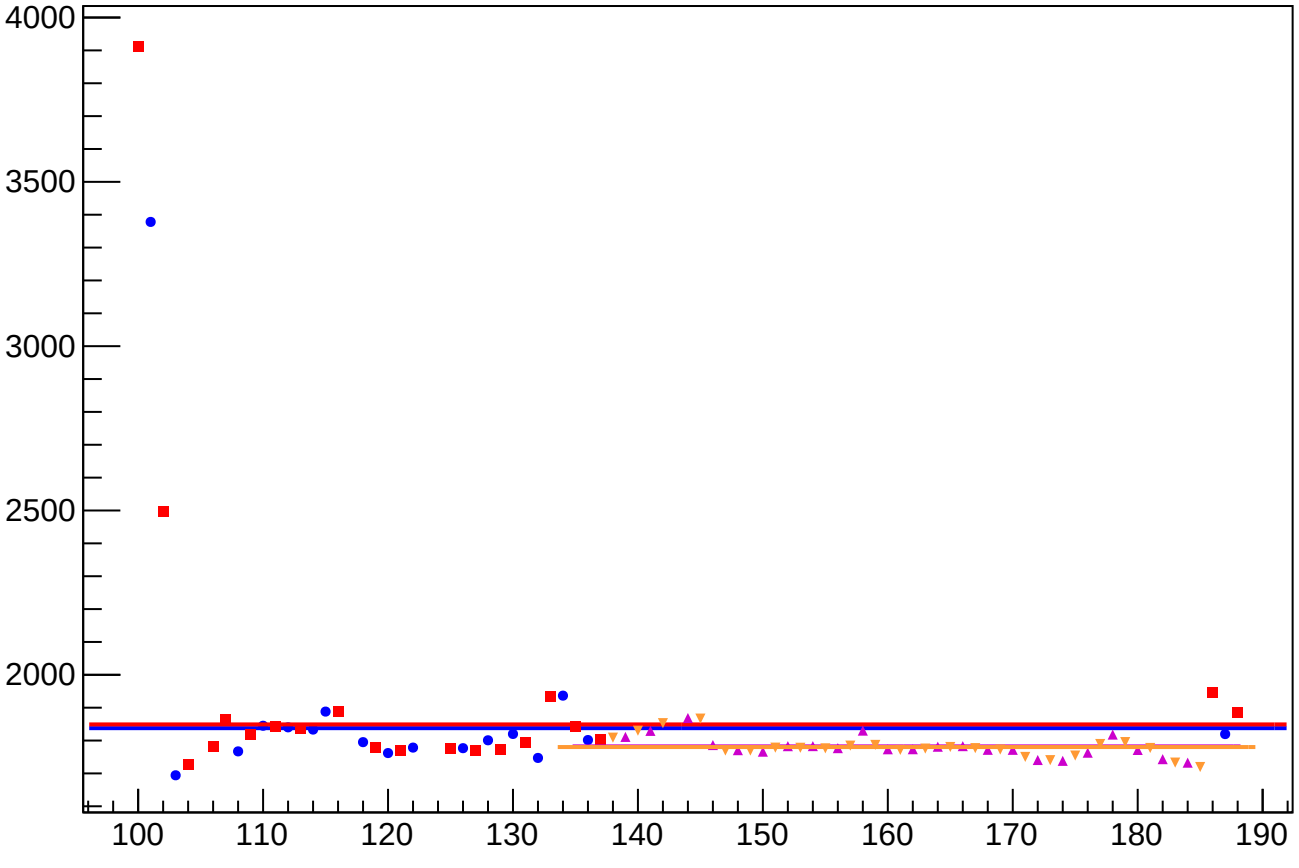
Left: -671.347+/-293.241 χ^2/NDF: 54.5/46

Right: -800.224+/-464.967 χ^2/NDF: 22.3/36

In: -688.938+/-355.230 χ^2/NDF:36.6/39

Out: -726.174+/-346.479 χ^2/NDF:40.2/43

All: -708.021+/-248.034 χ^2/NDF: 76.9/83



Right In: 1837.669+/-0.482 χ^2/NDF: 292021.9/16

Left Out: 1780.220+/-0.292 χ^2/NDF:10380.2/23

Right Out: 1849.097+/-0.450 χ^2/NDF: 131367.1/19

Left In: 1782.298+/-0.294 χ^2/NDF:11232.1/22

Left: 1781.252+/-0.207 χ^2/NDF: 21637.4/46

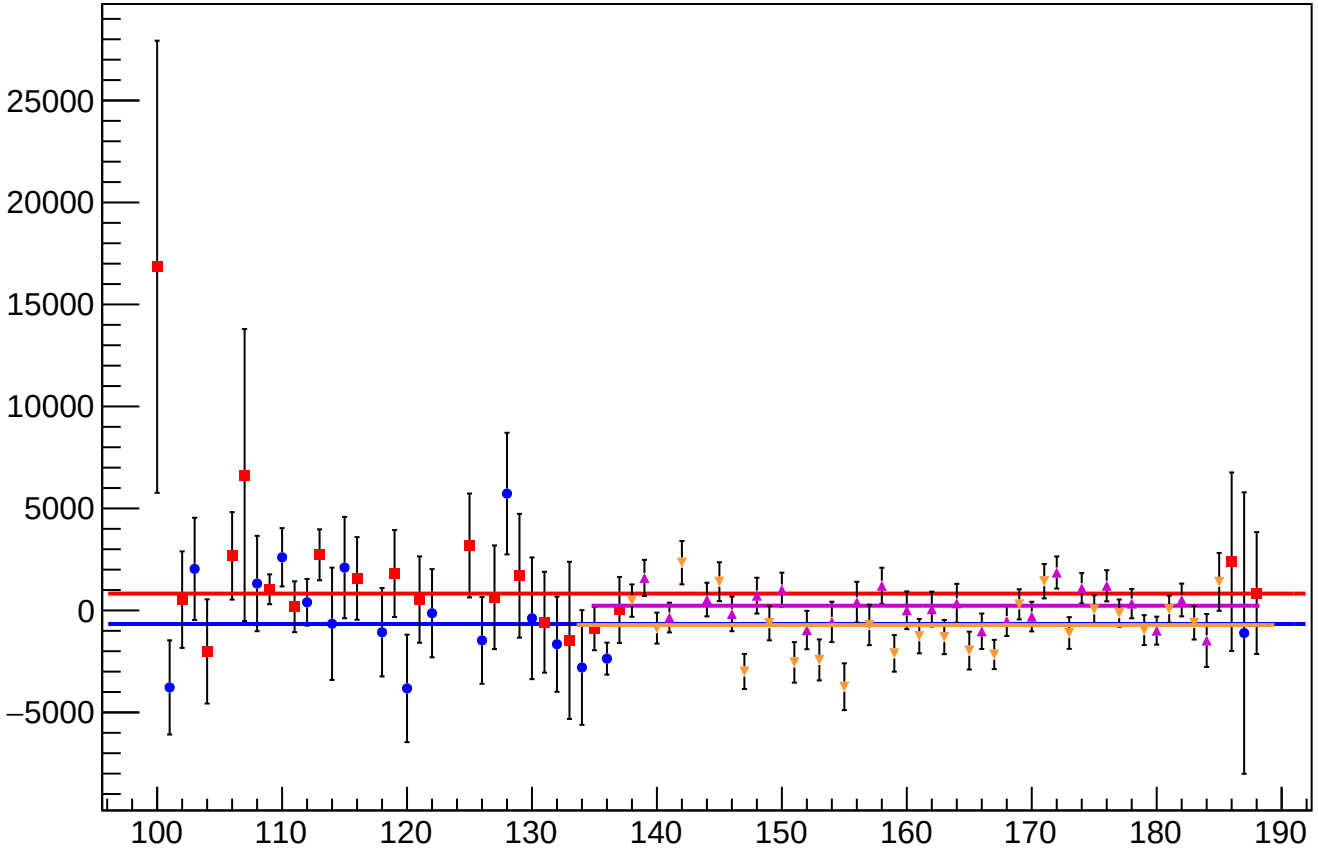
Right: 1843.781+/-0.329 χ^2/NDF: 423689.6/36

In: 1797.333+/-0.251 χ^2/NDF:312865.8/39

Out: 1800.674+/-0.245 χ^2/NDF:158248.2/43

All: 1799.045+/-0.175 χ^2/NDF: 471204.7/83

asym_us_dd_atlr_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -665.330+/-444.976 χ^2/NDF: 22.8/16

Left Out: -716.601+/-170.602 χ^2/NDF:59.4/23

Right Out: 825.565+/-392.142 χ^2/NDF: 12.4/19

Left In: 231.318+/-173.435 χ^2/NDF:24.1/22

Left: -250.447+/-121.623 χ^2/NDF: 98.6/46

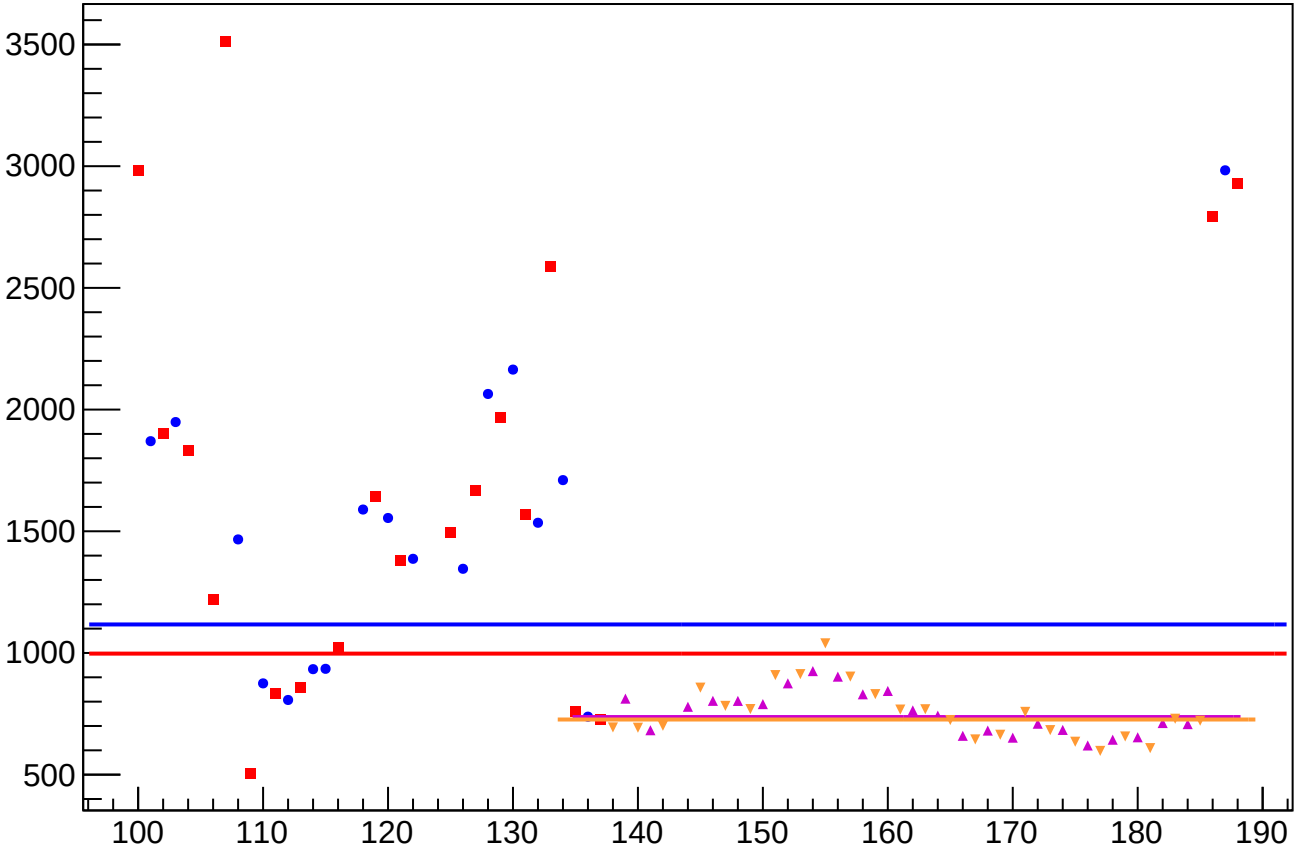
Right: 173.840+/-294.201 χ^2/NDF: 41.5/36

In: 113.067+/-161.595 χ^2/NDF:50.4/39

Out: -471.167+/-156.439 χ^2/NDF:84.7/43

All: -188.519+/-112.398 χ^2/NDF: 141.9/83

asym_us_dd_atlr_dd_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1117.158+/-0.315 χ^2/NDF: 2120217.7/16

Left Out: 726.605+/-0.121 χ^2/NDF:684780.2/23

Right Out: 997.327+/-0.277 χ^2/NDF: 4255162.6/19

Left In: 736.709+/-0.123 χ^2/NDF:465053.4/22

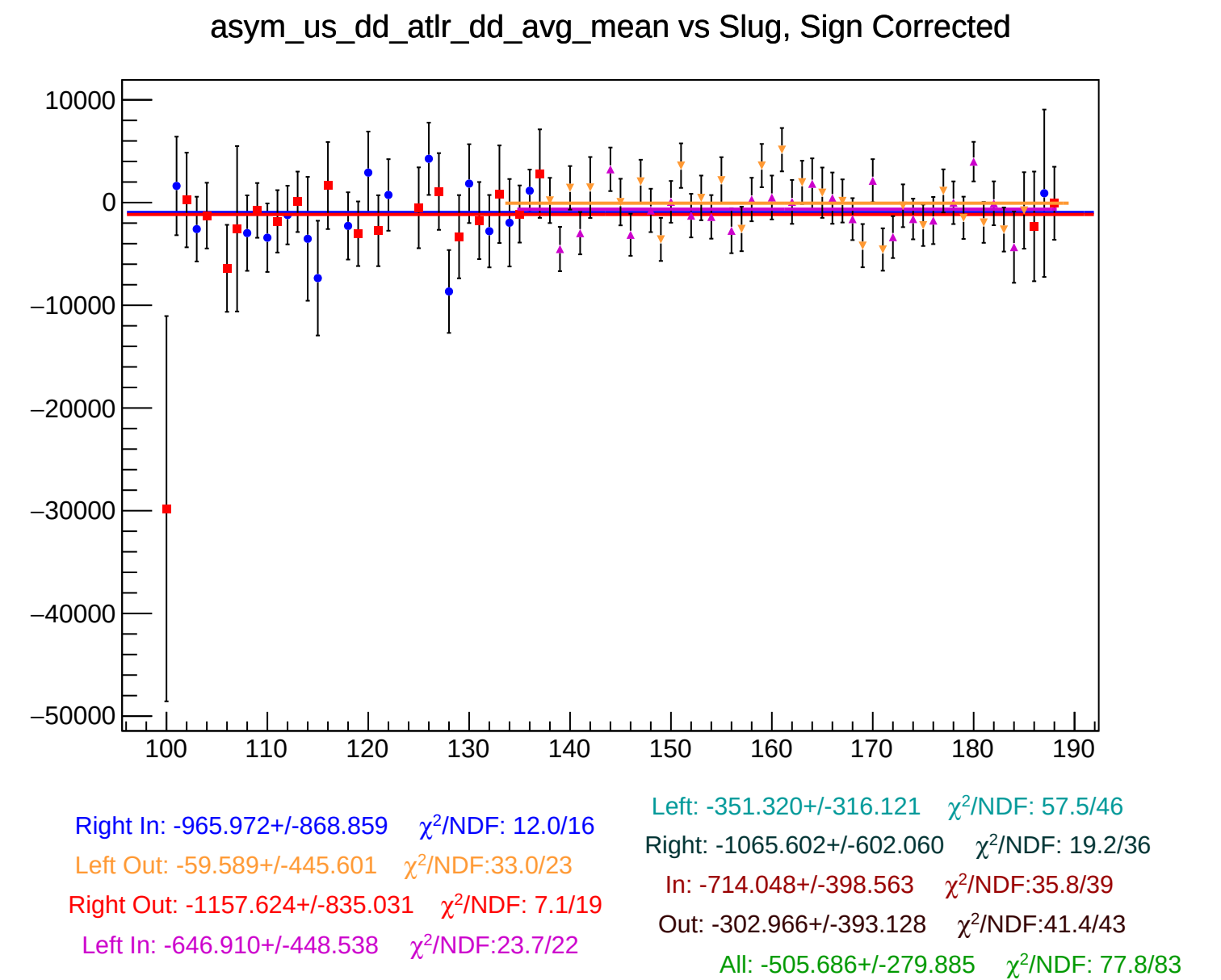
Left: 731.574+/-0.086 χ^2/NDF: 1153283.6/46

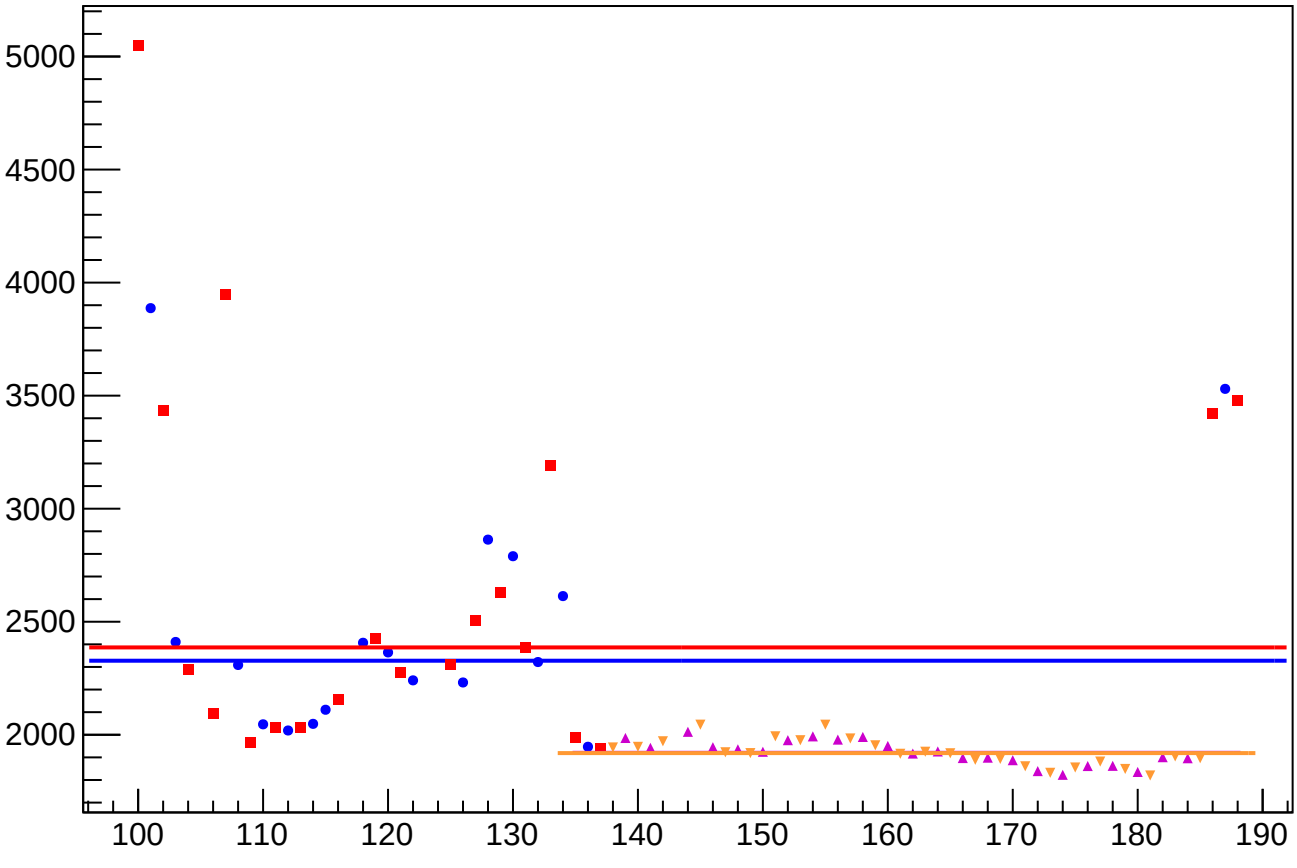
Right: 1049.710+/-0.208 χ^2/NDF: 6457019.6/36

In: 786.883+/-0.114 χ^2/NDF:3854473.9/39

Out: 769.690+/-0.111 χ^2/NDF:5741458.0/43

All: 778.008+/-0.079 χ^2/NDF: 9607619.1/83


asym_us_dd_atlr_dd_avg_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
−50000
100
110
120
130
140
150
160
170
180
190
Right In: -965.972+/-868.859 χ²/NDF: 12.0/16
Left Out: -59.589+/-445.601 χ²/NDF:33.0/23
Right Out: -1157.624+/-835.031 χ²/NDF: 7.1/19
Left In: -646.910+/-448.538 χ²/NDF:23.7/22
Left: -351.320+/-316.121 χ²/NDF: 57.5/46
Right: -1065.602+/-602.060 χ²/NDF: 19.2/36
In: -714.048+/-398.563 χ²/NDF:35.8/39
Out: -302.966+/-393.128 χ²/NDF:41.4/43
All: -505.686+/-279.885 χ²/NDF: 77.8/83



Right In: 2327.566+/-0.614 χ^2/NDF: 446799.7/16

Left Out: 1918.975+/-0.315 χ^2/NDF:35574.5/23

Right Out: 2386.380+/-0.590 χ^2/NDF: 740557.0/19

Left In: 1920.214+/-0.317 χ^2/NDF:29912.0/22

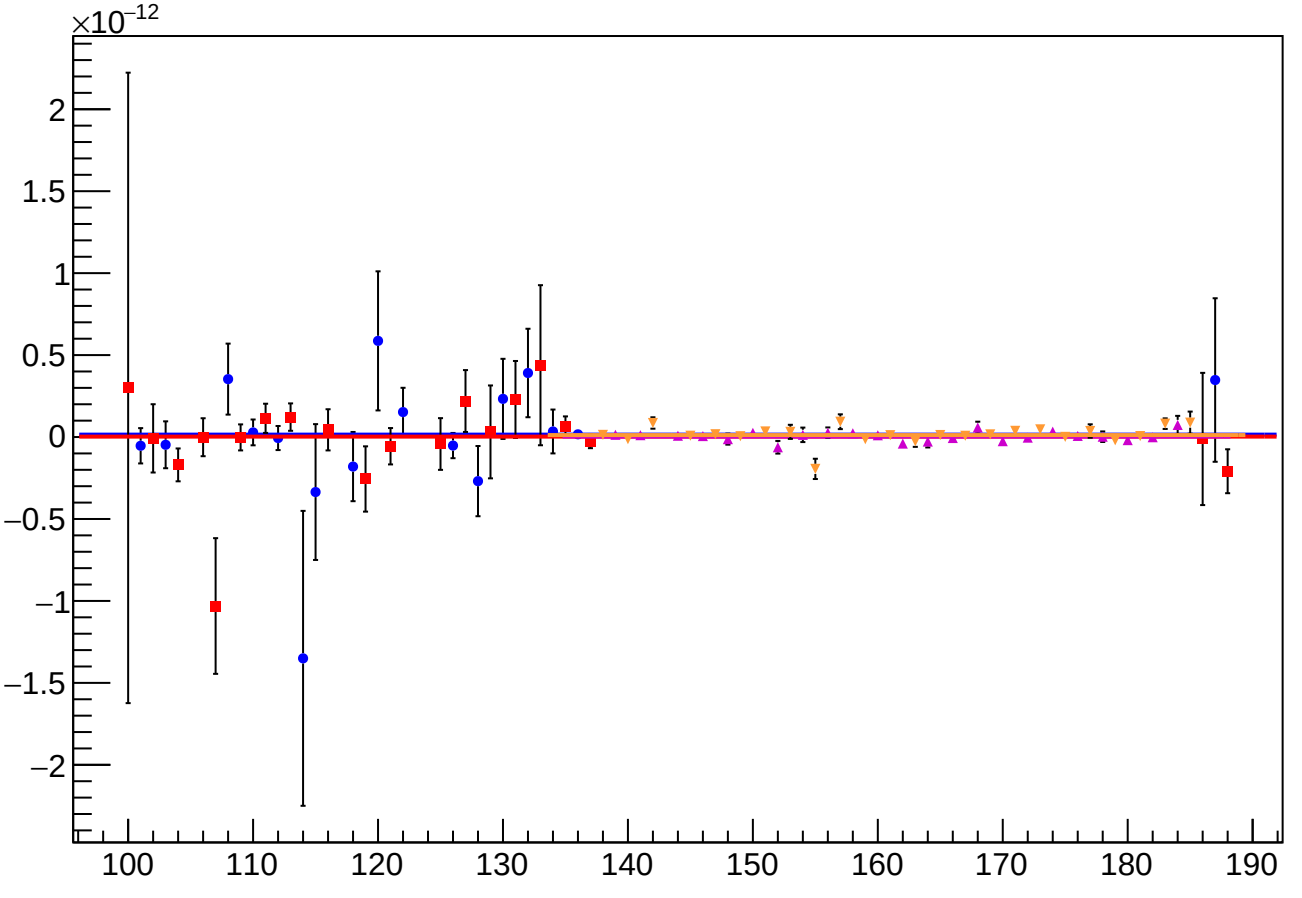
Left: 1919.591+/-0.224 χ^2/NDF: 65494.2/46

Right: 2358.140+/-0.426 χ^2/NDF: 1192120.7/36

In: 2005.931+/-0.282 χ^2/NDF:823820.8/39

Out: 2022.576+/-0.278 χ^2/NDF:1263876.5/43

All: 2014.368+/-0.198 χ^2/NDF: 2089465.3/83



Right In: 0.000+/-0.000 χ^2/NDF: 15.4/16

Left Out: 0.000+/-0.000 χ^2/NDF:38.1/23

Right Out: 0.000+/-0.000 χ^2/NDF: 22.1/19

Left In: 0.000+/-0.000 χ^2/NDF:19.6/22

Left: 0.000+/-0.000 χ^2/NDF: 59.3/46

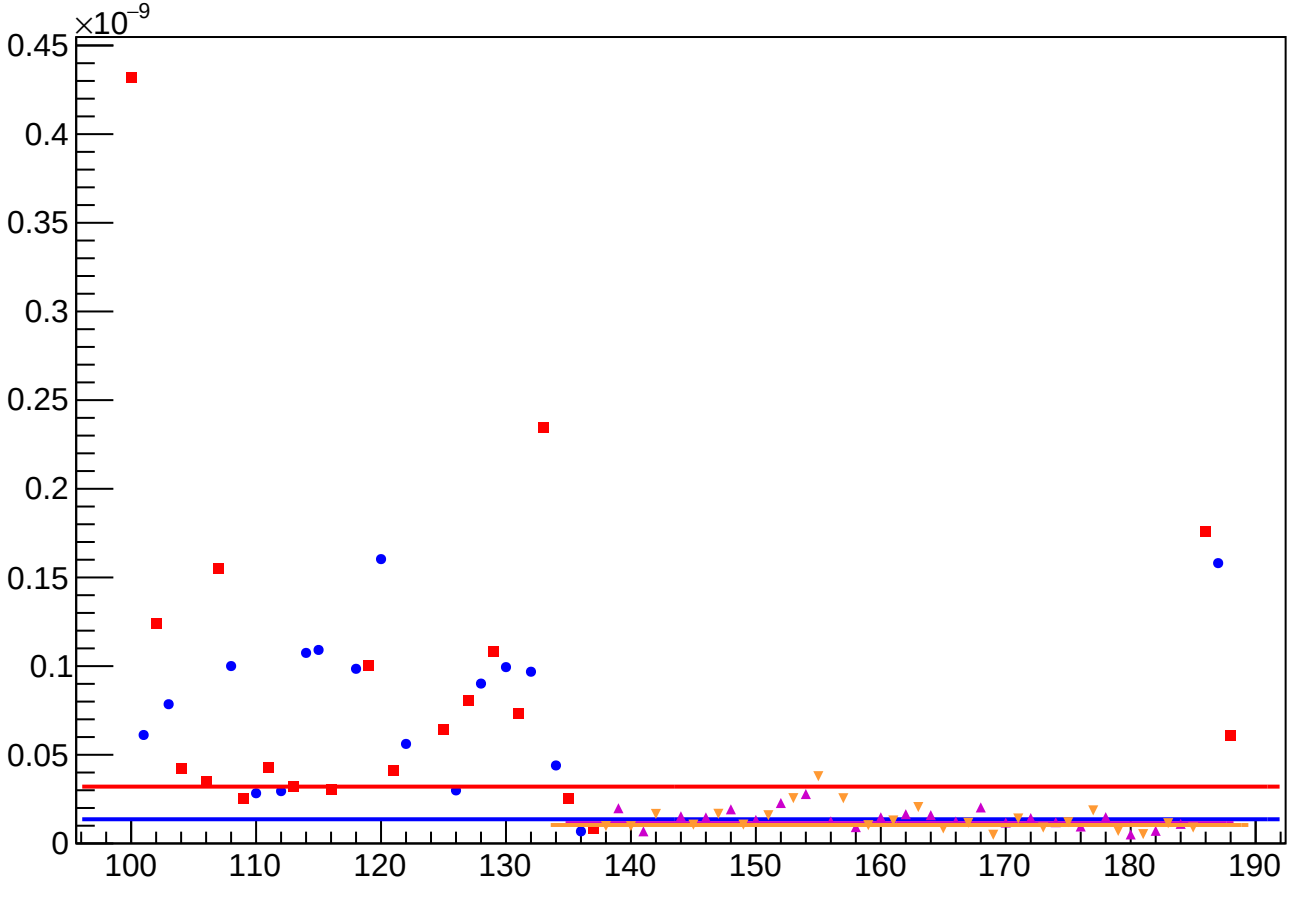
Right: 0.000+/-0.000 χ^2/NDF: 37.7/36

In: 0.000+/-0.000 χ^2/NDF:35.6/39

Out: 0.000+/-0.000 χ^2/NDF:60.3/43

All: 0.000+/-0.000 χ^2/NDF: 97.1/83

asym_us_dd_atlr_dd_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3583894.4/16

Left Out: 0.000+/-0.000 χ^2/NDF:2075235.5/23

Right Out: 0.000+/-0.000 χ^2/NDF: 2702987.4/19

Left In: 0.000+/-0.000 χ^2/NDF:1894438.8/22

Left: 0.000+/-0.000 χ^2/NDF: 4014682.3/46

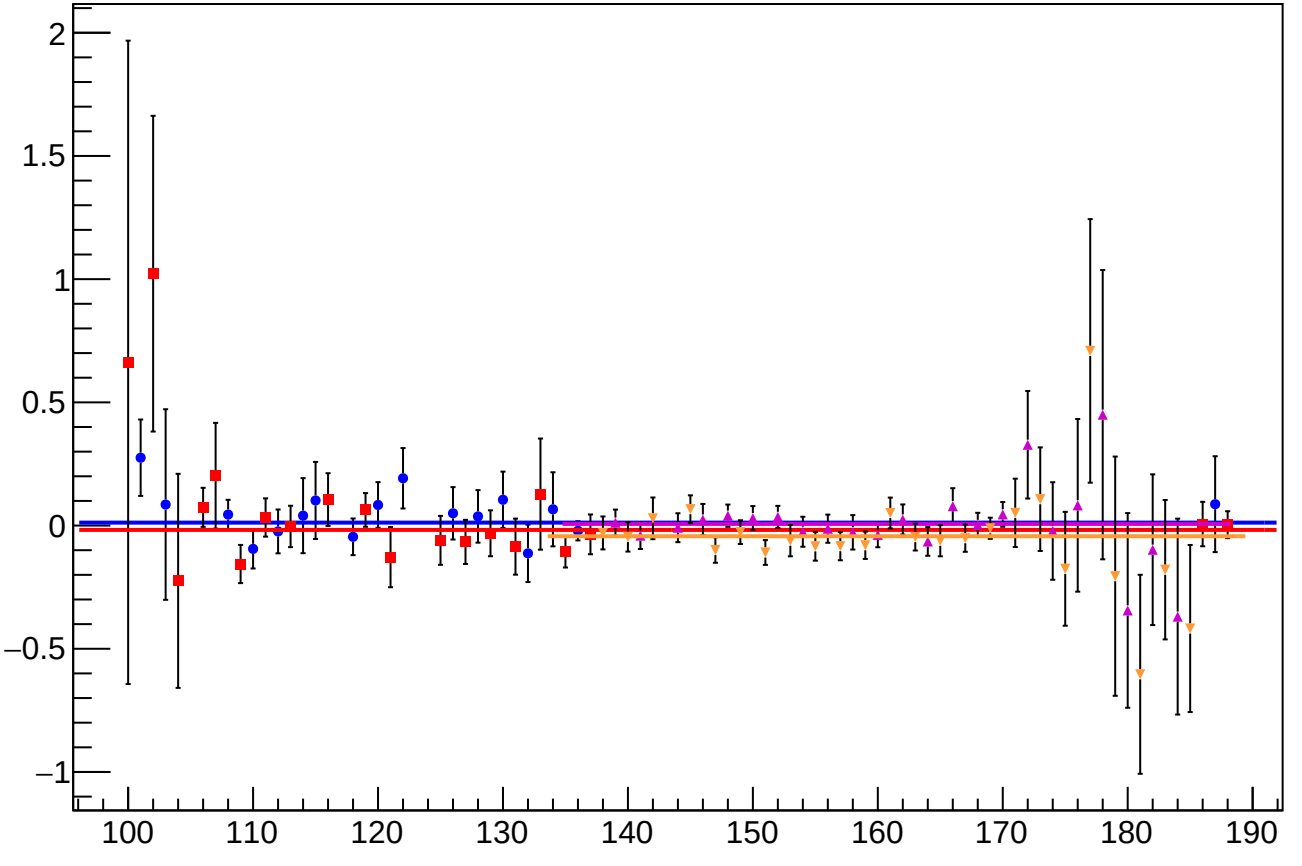
Right: 0.000+/-0.000 χ^2/NDF: 7183744.7/36

In: 0.000+/-0.000 χ^2/NDF:5521489.6/39

Out: 0.000+/-0.000 χ^2/NDF:6384757.4/43

All: 0.000+/-0.000 χ^2/NDF: 11916100.2/83

asym_us_dd_atlr_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.012+/-0.022 χ^2/NDF: 11.9/16

Left Out: -0.043+/-0.014 χ^2/NDF:18.9/23

Right Out: -0.018+/-0.021 χ^2/NDF: 16.2/19

Left In: 0.007+/-0.014 χ^2/NDF:11.3/22

Left: -0.018+/-0.010 χ^2/NDF: 36.8/46

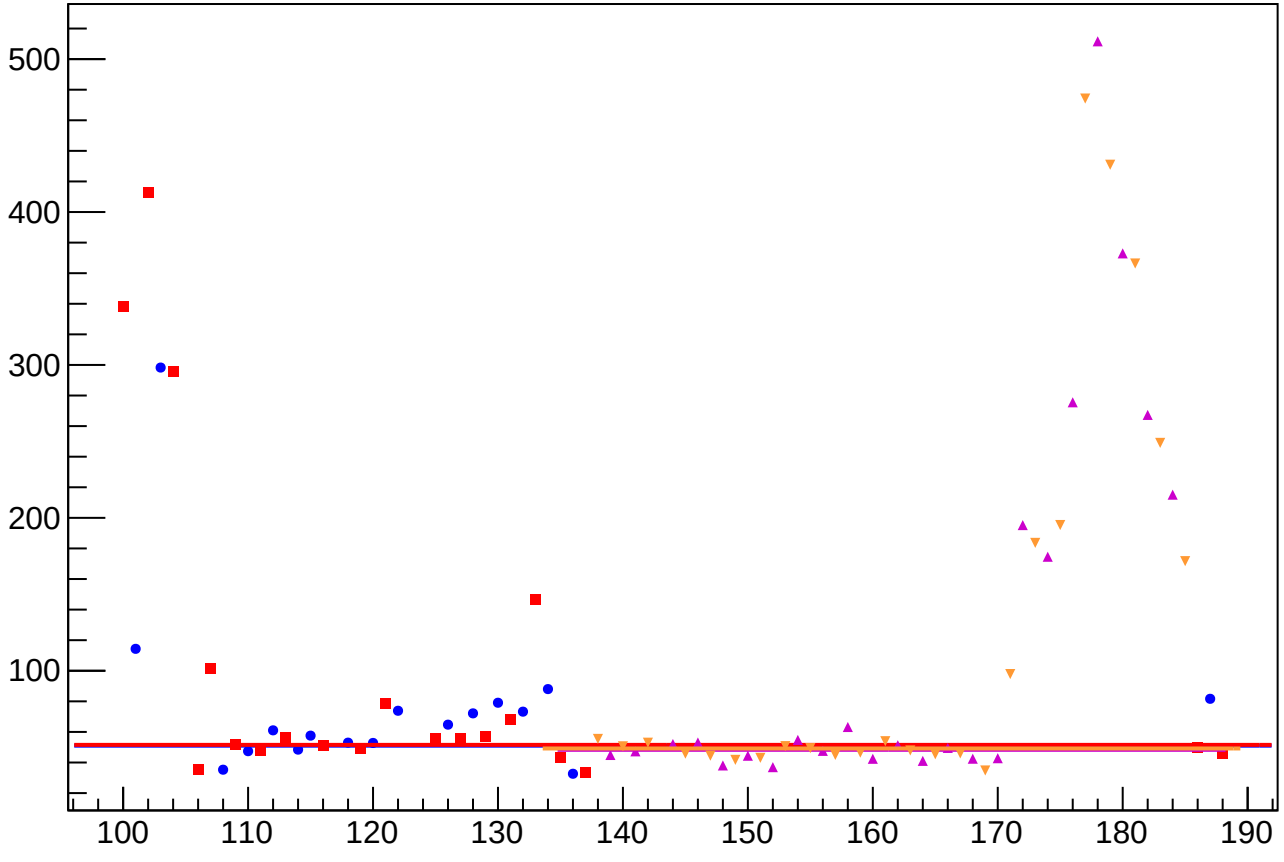
Right: -0.004+/-0.015 χ^2/NDF: 29.1/36

In: 0.008+/-0.011 χ^2/NDF:23.2/39

Out: -0.035+/-0.012 χ^2/NDF:36.1/43

All: -0.013+/-0.008 χ^2/NDF: 66.5/83

asym_us_dd_atlr_dd_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 51.032+/-0.015 χ^2/NDF: 2316646.8/16

Left Out: 49.180+/-0.010 χ^2/NDF:7250092.4/23

Right Out: 51.535+/-0.015 χ^2/NDF: 2239338.2/19

Left In: 48.307+/-0.010 χ^2/NDF:7040663.5/22

Left: 48.731+/-0.007 χ^2/NDF: 14294810.2/46

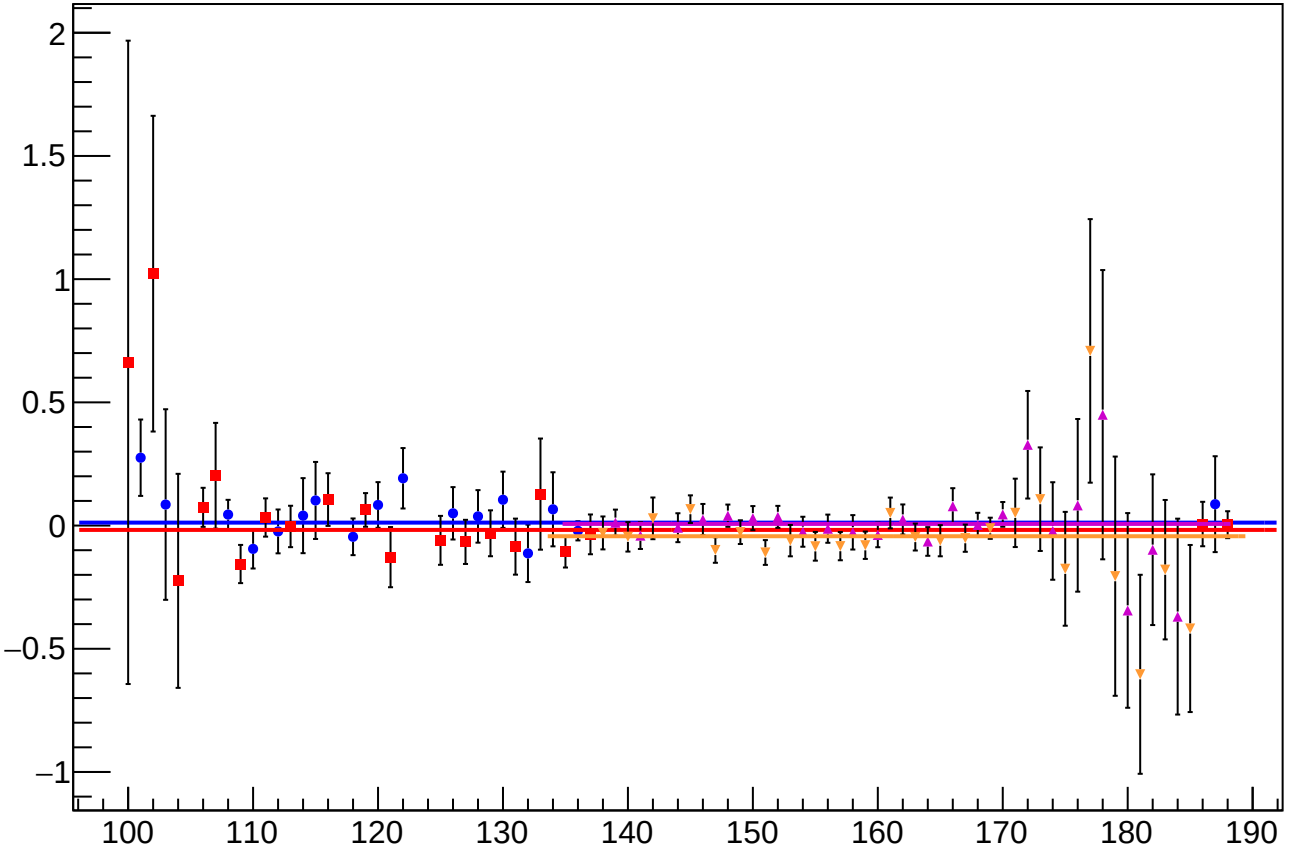
Right: 51.296+/-0.011 χ^2/NDF: 4556545.6/36

In: 49.067+/-0.008 χ^2/NDF:9379982.4/39

Out: 49.912+/-0.008 χ^2/NDF:9507247.8/43

All: 49.487+/-0.006 χ^2/NDF: 18892606.5/83

asym_us_dd_atlr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.012+/-0.022 χ^2/NDF: 11.9/16

Left Out: -0.043+/-0.014 χ^2/NDF:18.9/23

Right Out: -0.018+/-0.021 χ^2/NDF: 16.2/19

Left In: 0.007+/-0.014 χ^2/NDF:11.3/22

Left: -0.018+/-0.010 χ^2/NDF: 36.8/46

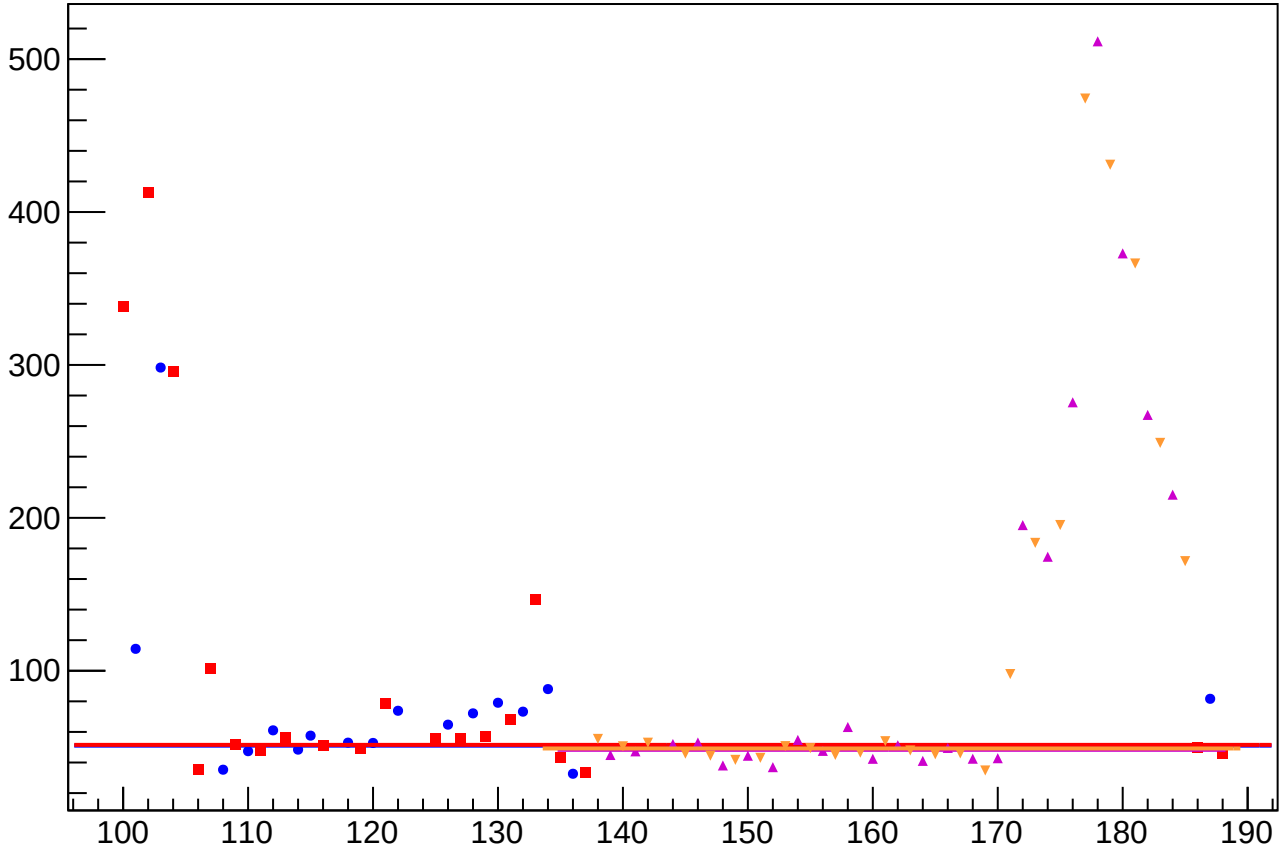
Right: -0.004+/-0.015 χ^2/NDF: 29.1/36

In: 0.008+/-0.011 χ^2/NDF:23.2/39

Out: -0.035+/-0.012 χ^2/NDF:36.1/43

All: -0.013+/-0.008 χ^2/NDF: 66.5/83

asym_us_dd_atlr_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 51.032+/-0.015 χ^2/NDF: 2316646.8/16

Left Out: 49.180+/-0.010 χ^2/NDF:7250092.4/23

Right Out: 51.535+/-0.015 χ^2/NDF: 2239338.2/19

Left In: 48.307+/-0.010 χ^2/NDF:7040663.5/22

Left: 48.731+/-0.007 χ^2/NDF: 14294810.2/46

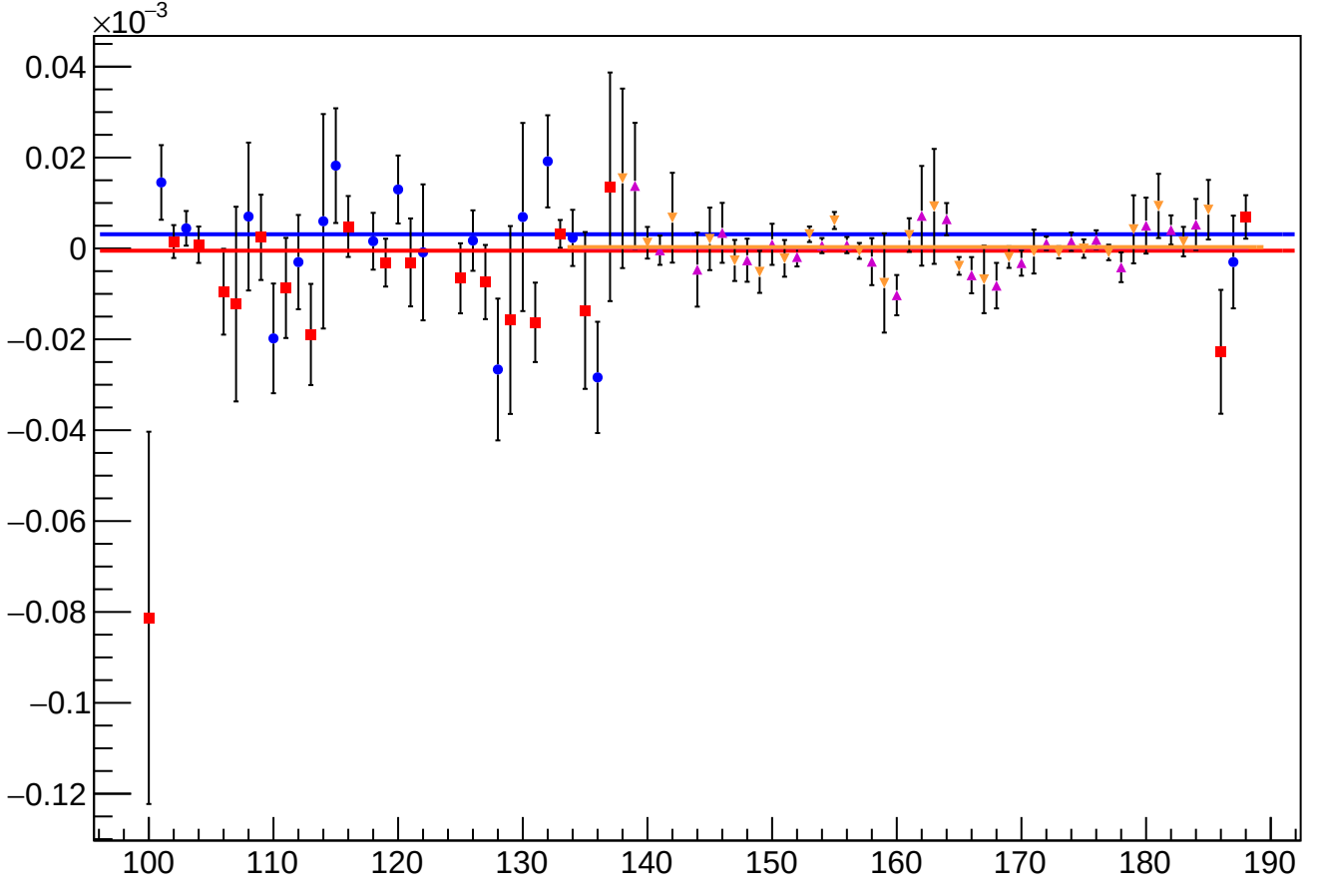
Right: 51.296+/-0.011 χ^2/NDF: 4556545.6/36

In: 49.067+/-0.008 χ^2/NDF:9379982.4/39

Out: 49.912+/-0.008 χ^2/NDF:9507247.8/43

All: 49.487+/-0.006 χ^2/NDF: 18892606.5/83

asym_us_dd_atlr_dd_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 22.6/16

Left Out: 0.000+/-0.000 χ^2/NDF:28.8/23

Right Out: -0.000+/-0.000 χ^2/NDF: 22.4/19

Left In: 0.000+/-0.000 χ^2/NDF:25.3/22

Left: 0.000+/-0.000 χ^2/NDF: 54.1/46

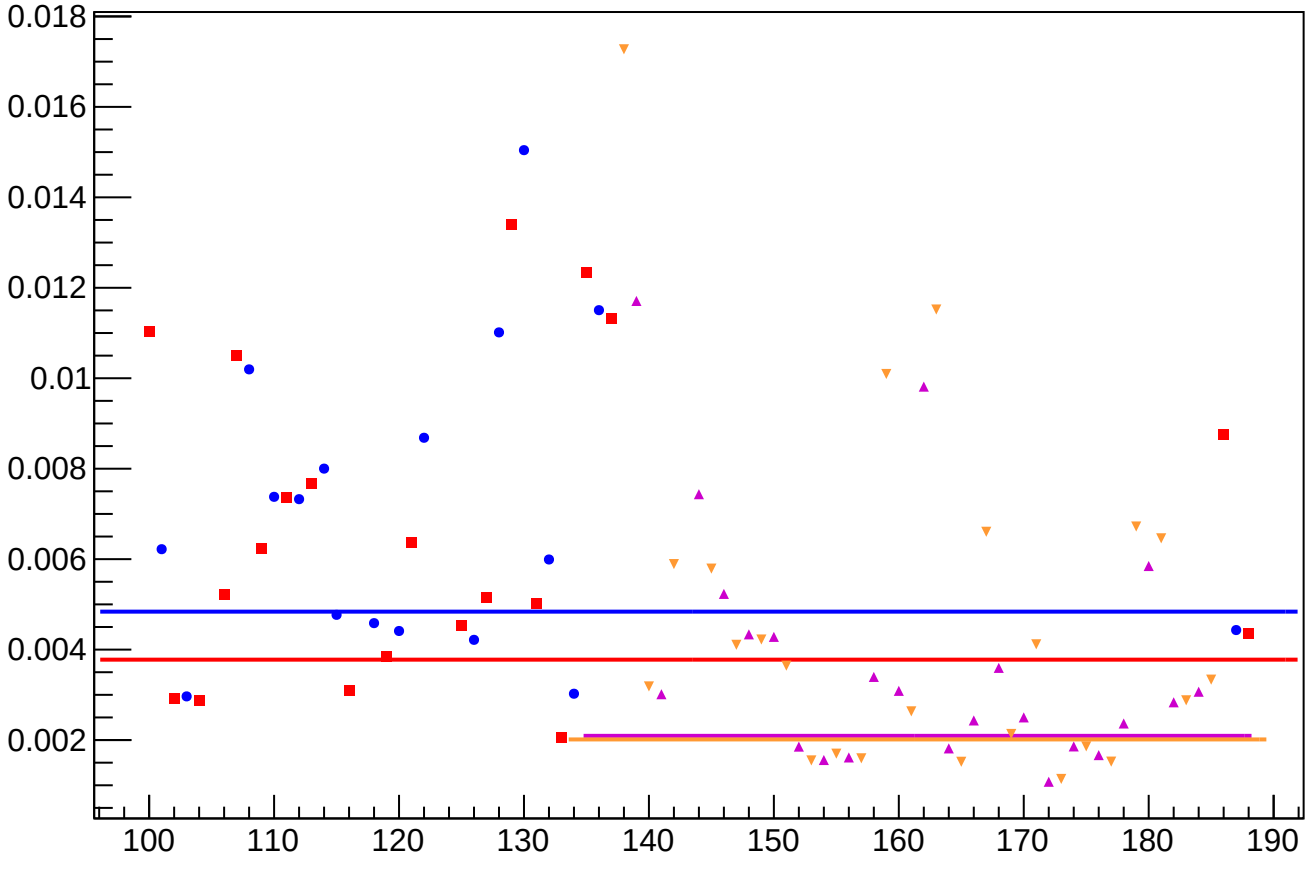
Right: 0.000+/-0.000 χ^2/NDF: 47.1/36

In: 0.000+/-0.000 χ^2/NDF:49.8/39

Out: 0.000+/-0.000 χ^2/NDF:51.5/43

All: 0.000+/-0.000 χ^2/NDF: 101.4/83

asym_us_dd_atlr_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 2748408.9/16

Left Out: 0.002+/-0.000 χ^2/NDF:10262318.5/23

Right Out: 0.004+/-0.000 χ^2/NDF: 3416919.4/19

Left In: 0.002+/-0.000 χ^2/NDF:7141979.6/22

Left: 0.002+/-0.000 χ^2/NDF: 17422562.9/46

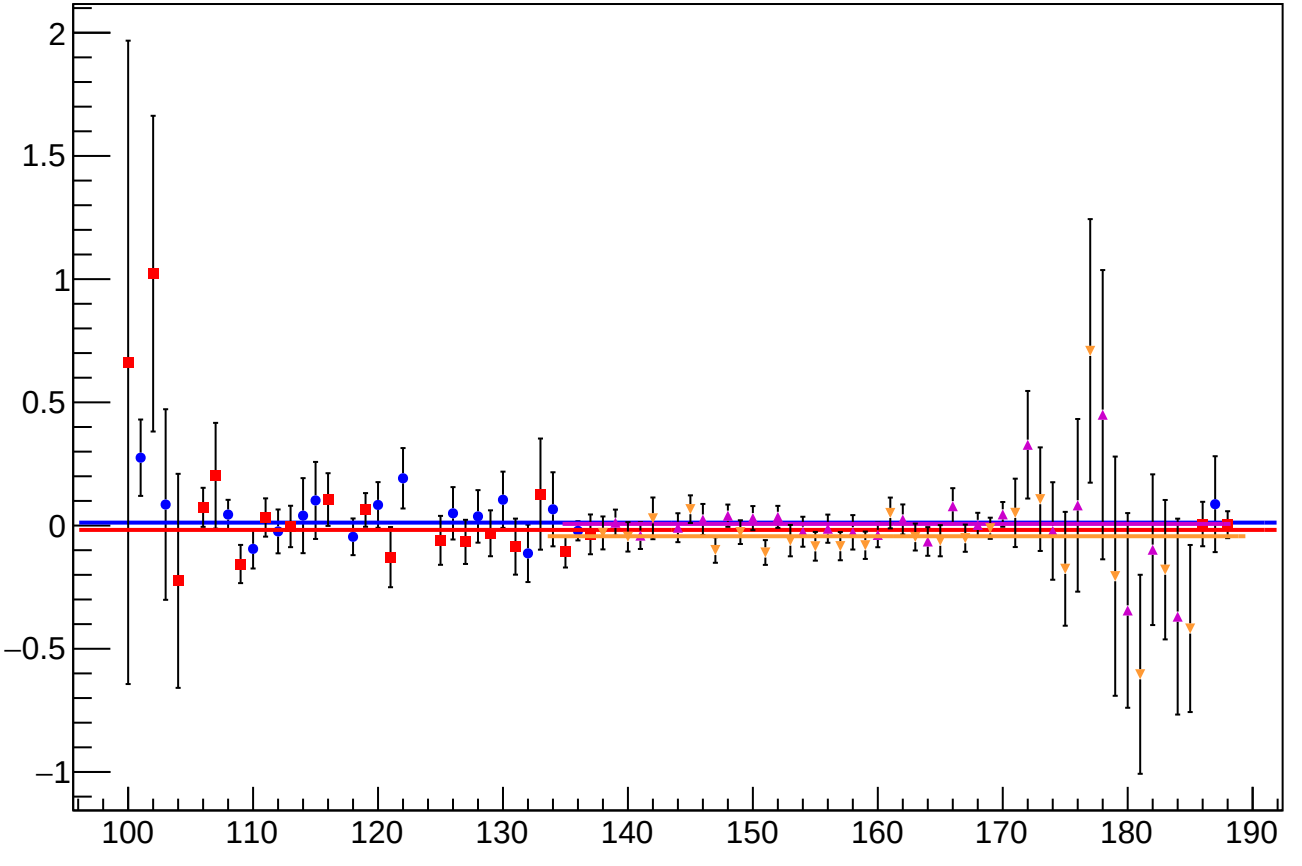
Right: 0.004+/-0.000 χ^2/NDF: 6520737.7/36

In: 0.002+/-0.000 χ^2/NDF:13226221.8/39

Out: 0.002+/-0.000 χ^2/NDF:16157652.8/43

All: 0.002+/-0.000 χ^2/NDF: 29403829.9/83

asym_us_dd_atlr_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.012+/-0.022 χ^2/NDF: 11.9/16

Left Out: -0.043+/-0.014 χ^2/NDF:18.9/23

Right Out: -0.018+/-0.021 χ^2/NDF: 16.2/19

Left In: 0.007+/-0.014 χ^2/NDF:11.3/22

Left: -0.018+/-0.010 χ^2/NDF: 36.8/46

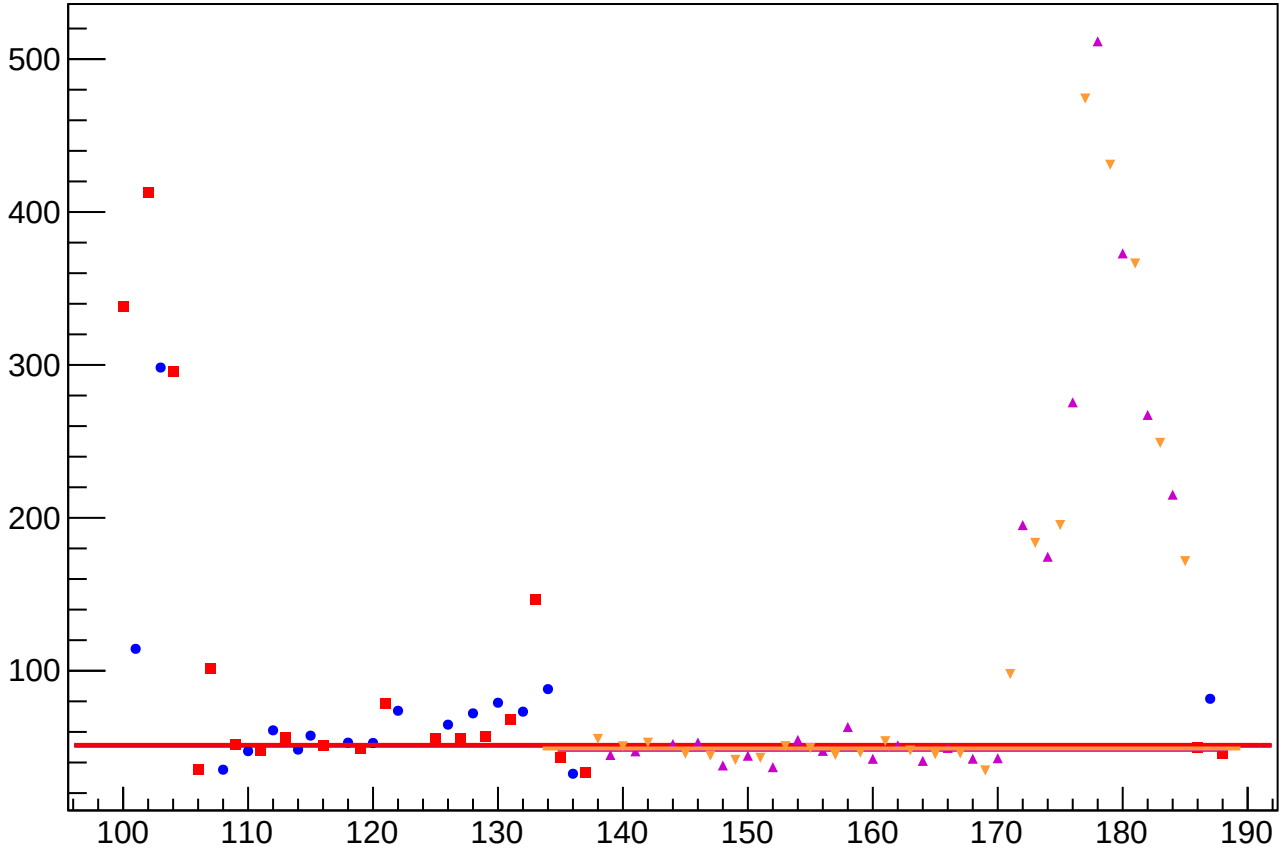
Right: -0.004+/-0.015 χ^2/NDF: 29.1/36

In: 0.008+/-0.011 χ^2/NDF:23.2/39

Out: -0.035+/-0.012 χ^2/NDF:36.1/43

All: -0.013+/-0.008 χ^2/NDF: 66.5/83

asym_us_dd_atlr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 51.033+/-0.015 χ^2/NDF: 2316555.0/16

Left Out: 49.180+/-0.010 χ^2/NDF:7250102.5/23

Right Out: 51.536+/-0.015 χ^2/NDF: 2239218.4/19

Left In: 48.307+/-0.010 χ^2/NDF:7040585.4/22

Left: 48.731+/-0.007 χ^2/NDF: 14294736.5/46

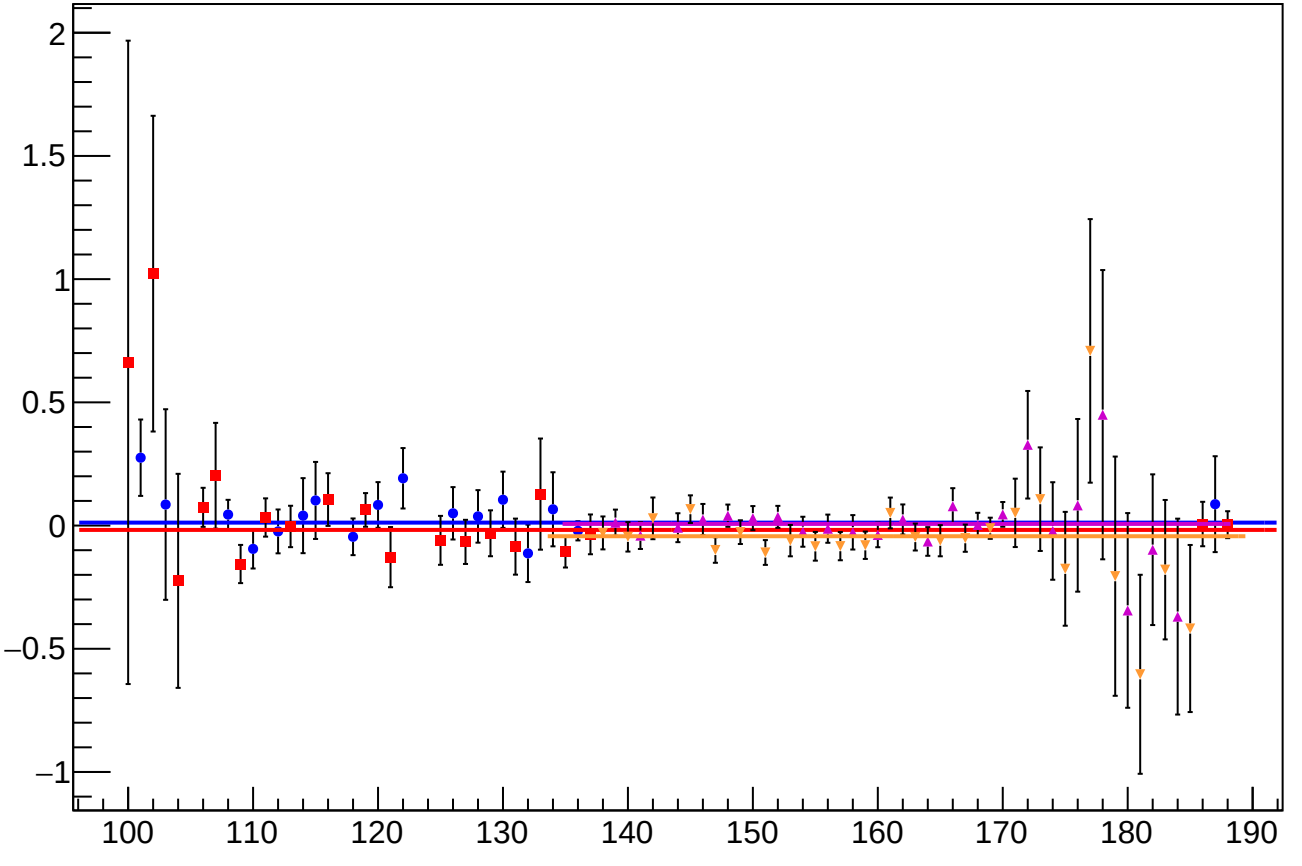
Right: 51.296+/-0.011 χ^2/NDF: 4556334.5/36

In: 49.068+/-0.008 χ^2/NDF:9379815.7/39

Out: 49.912+/-0.008 χ^2/NDF:9507154.0/43

All: 49.487+/-0.006 χ^2/NDF: 18892341.5/83

asym_us_dd_atlr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.012+/-0.022 χ^2/NDF: 11.9/16

Left Out: -0.043+/-0.014 χ^2/NDF:18.9/23

Right Out: -0.018+/-0.021 χ^2/NDF: 16.2/19

Left In: 0.007+/-0.014 χ^2/NDF:11.3/22

Left: -0.018+/-0.010 χ^2/NDF: 36.8/46

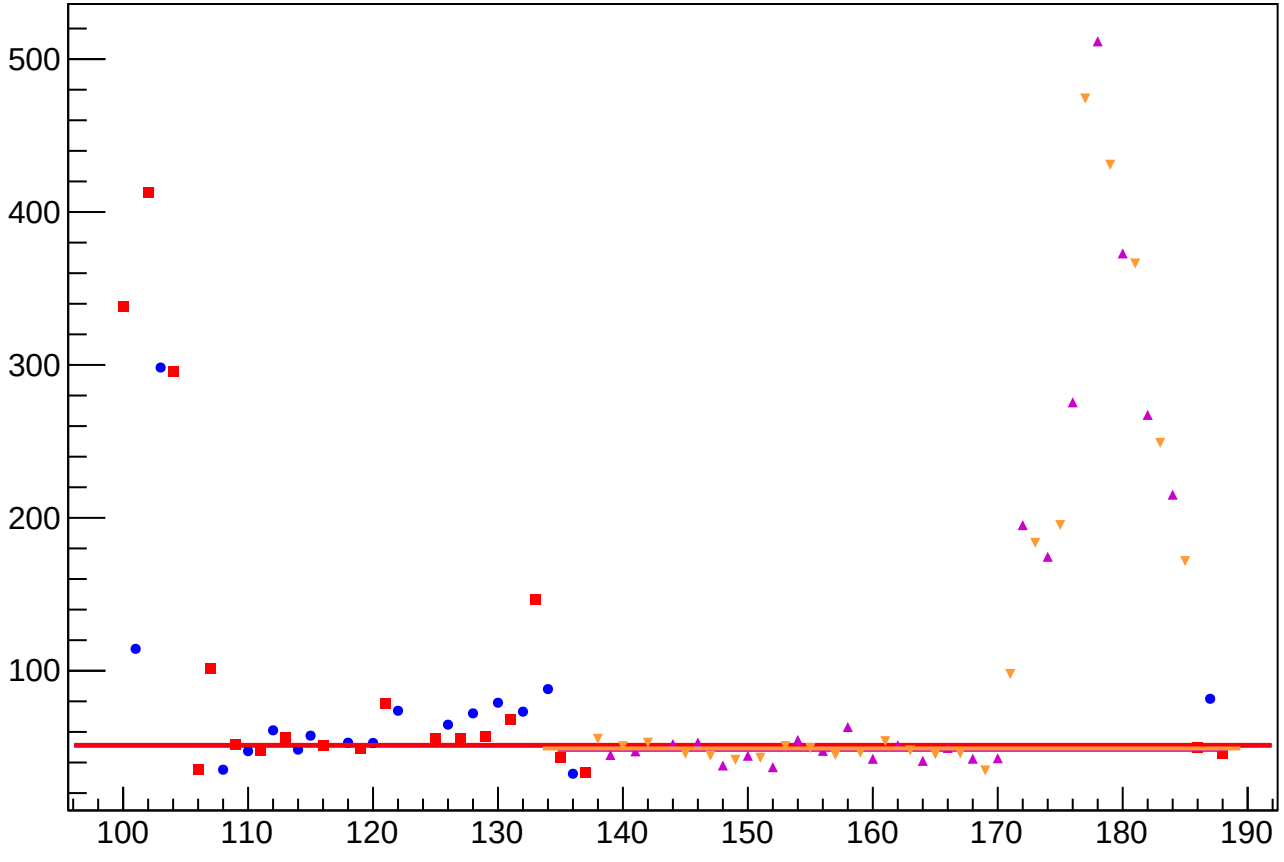
Right: -0.004+/-0.015 χ^2/NDF: 29.1/36

In: 0.008+/-0.011 χ^2/NDF:23.2/39

Out: -0.035+/-0.012 χ^2/NDF:36.1/43

All: -0.013+/-0.008 χ^2/NDF: 66.5/83

asym_us_dd_atlr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 51.033+/-0.015 χ^2/NDF: 2316555.0/16

Left Out: 49.180+/-0.010 χ^2/NDF:7250102.5/23

Right Out: 51.536+/-0.015 χ^2/NDF: 2239218.4/19

Left In: 48.307+/-0.010 χ^2/NDF:7040585.4/22

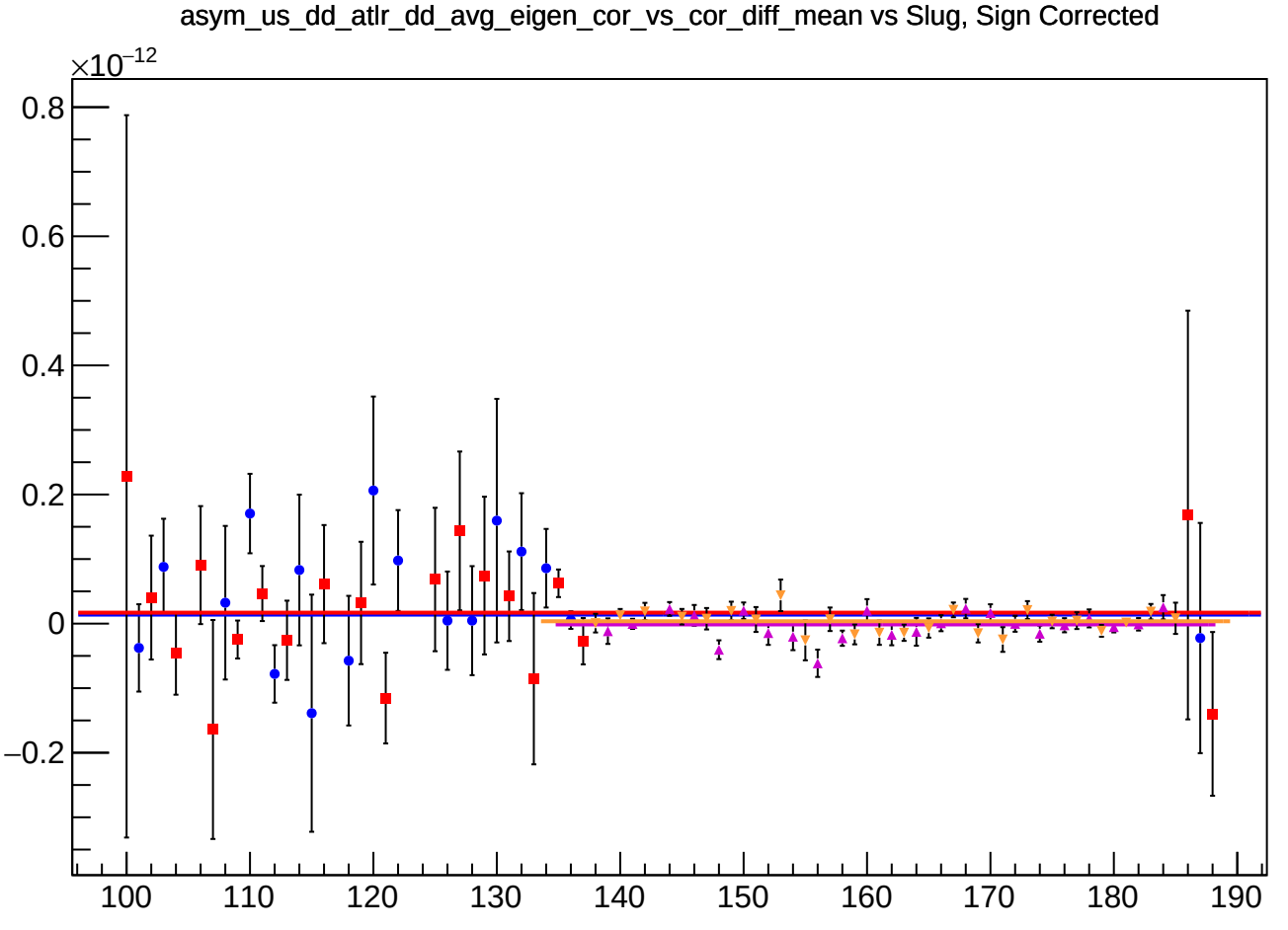
Left: 48.731+/-0.007 χ^2/NDF: 14294736.5/46

Right: 51.296+/-0.011 χ^2/NDF: 4556334.5/36

In: 49.068+/-0.008 χ^2/NDF:9379815.7/39

Out: 49.912+/-0.008 χ^2/NDF:9507154.0/43

All: 49.487+/-0.006 χ^2/NDF: 18892341.5/83



Right In: 0.000+/-0.000 χ^2/NDF: 20.4/16

Left Out: 0.000+/-0.000 χ^2/NDF:24.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 19.8/19

Left In: -0.000+/-0.000 χ^2/NDF:40.0/22

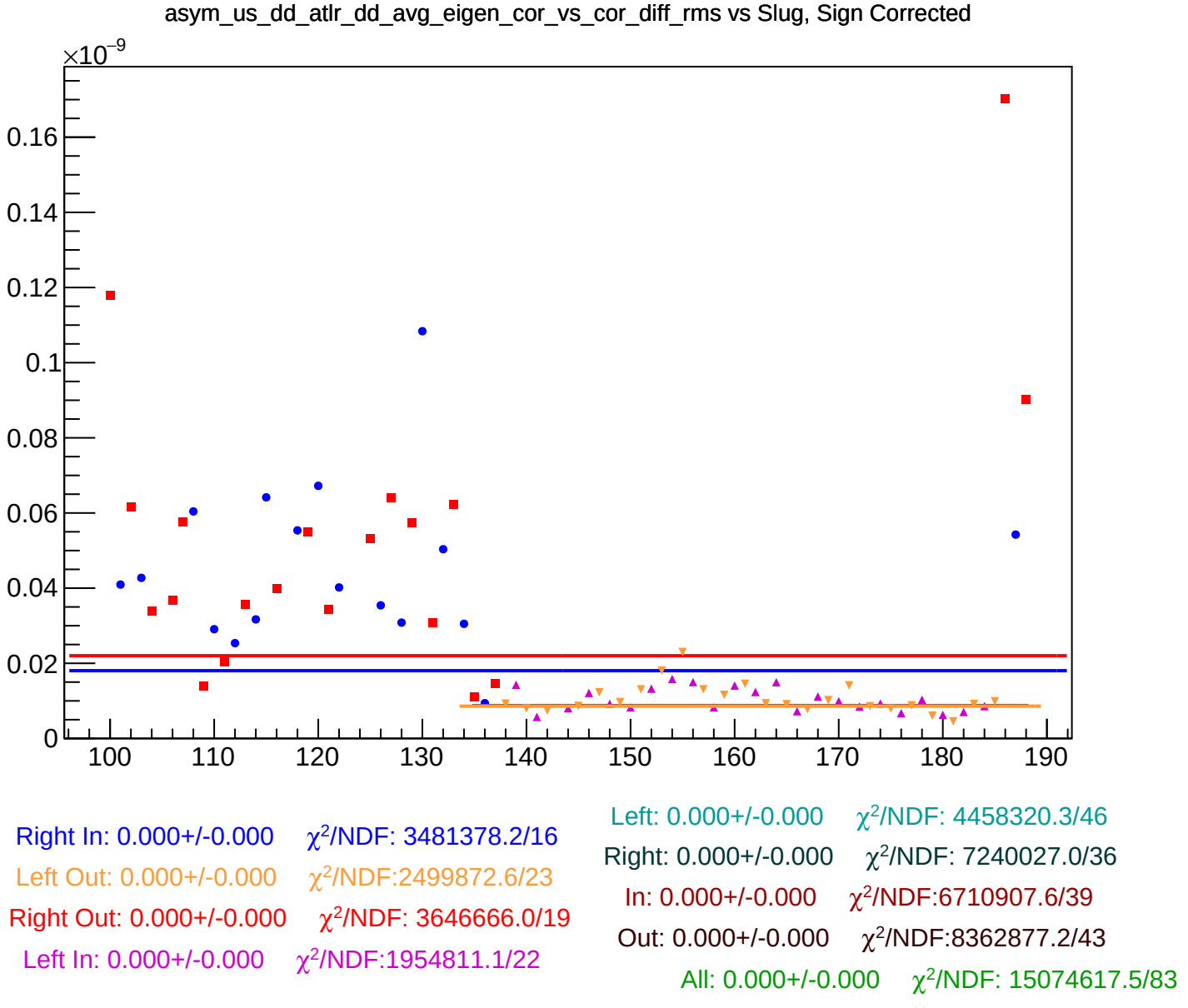
Left: 0.000+/-0.000 χ^2/NDF: 66.3/46

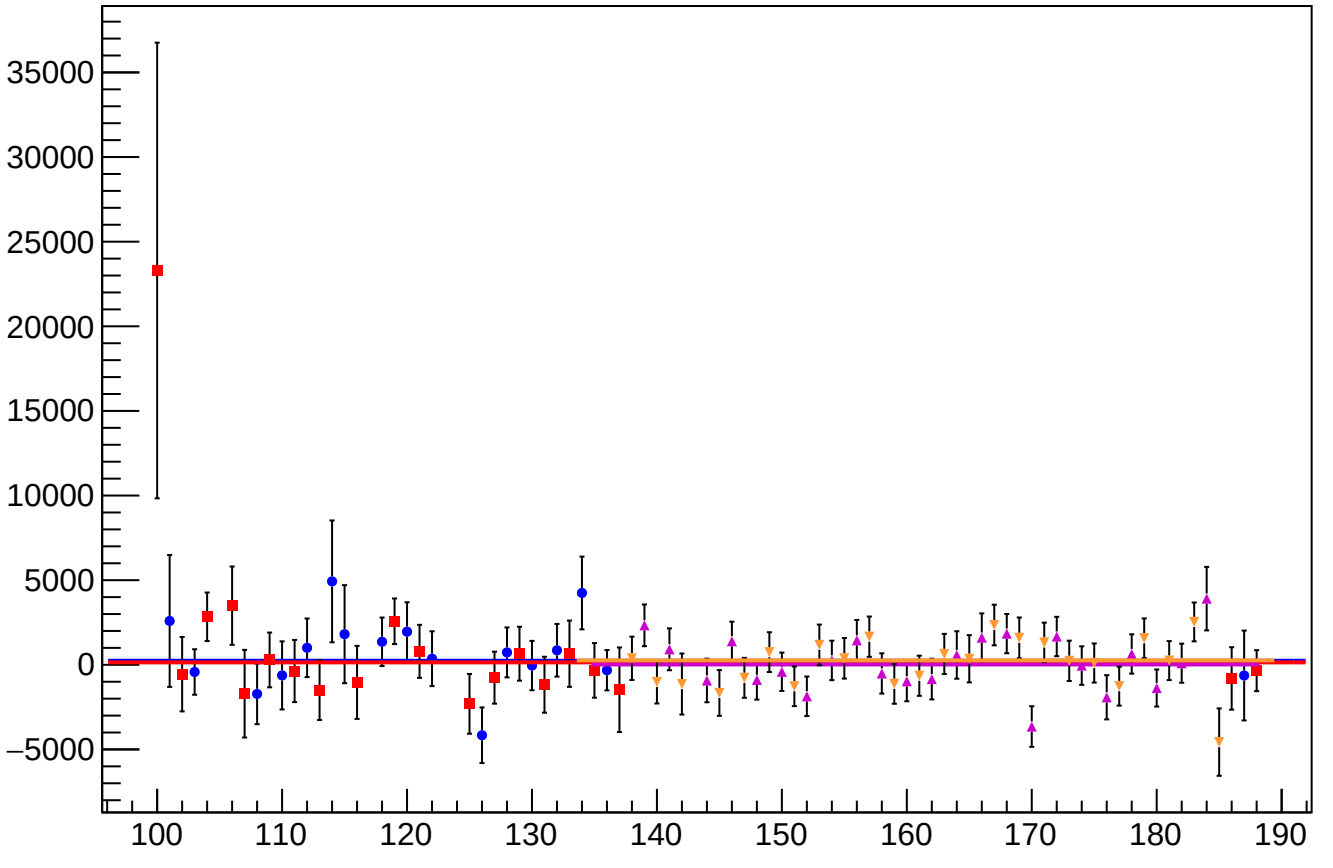
Right: 0.000+/-0.000 χ^2/NDF: 40.2/36

In: -0.000+/-0.000 χ^2/NDF:62.1/39

Out: 0.000+/-0.000 χ^2/NDF:45.5/43

All: 0.000+/-0.000 χ^2/NDF: 109.2/83


asym_us_dd_atlr_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 3481378.2/16
Left Out: 0.000+/-0.000 χ²/NDF:2499872.6/23
Right Out: 0.000+/-0.000 χ²/NDF: 3646666.0/19
Left In: 0.000+/-0.000 χ²/NDF:1954811.1/22
Left: 0.000+/-0.000 χ²/NDF: 4458320.3/46
Right: 0.000+/-0.000 χ²/NDF: 7240027.0/36
In: 0.000+/-0.000 χ²/NDF:6710907.6/39
Out: 0.000+/-0.000 χ²/NDF:8362877.2/43
All: 0.000+/-0.000 χ²/NDF: 15074617.5/83



Right In: 238.498+/-419.321 χ^2/NDF: 17.1/16

Left Out: 260.650+/-251.401 χ^2/NDF:28.2/23

Right Out: 144.612+/-392.408 χ^2/NDF: 17.9/19

Left In: 22.368+/-253.332 χ^2/NDF:35.8/22

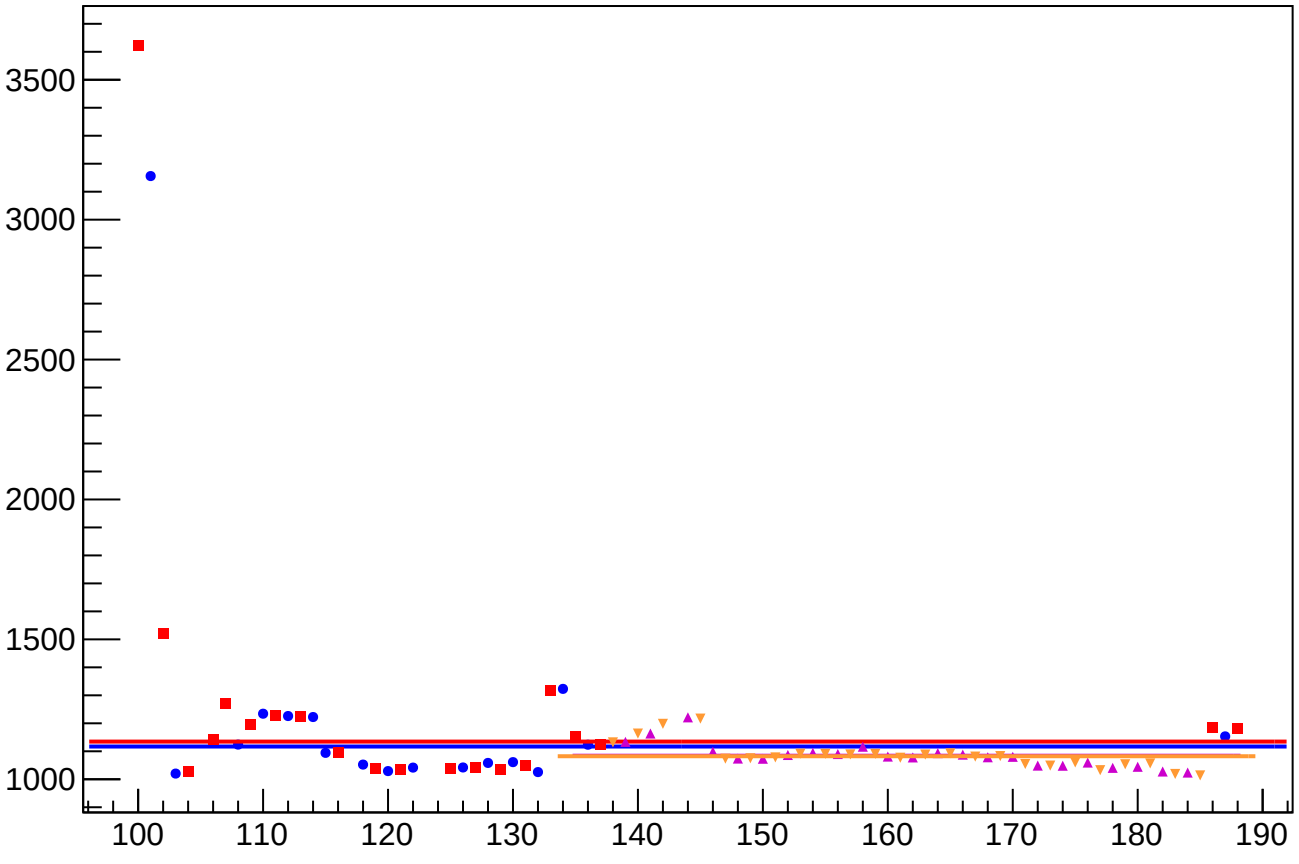
Left: 142.421+/-178.446 χ^2/NDF: 64.5/46

Right: 188.445+/-286.516 χ^2/NDF: 35.0/36

In: 80.160+/-216.832 χ^2/NDF:53.0/39

Out: 226.882+/-211.684 χ^2/NDF:46.2/43

All: 155.284+/-151.471 χ^2/NDF: 99.4/83



Right In: 1117.018+/-0.297 χ^2/NDF: 623773.9/16

Left Out: 1082.308+/-0.178 χ^2/NDF:57873.0/23

Right Out: 1134.679+/-0.277 χ^2/NDF: 227609.0/19

Left In: 1084.166+/-0.179 χ^2/NDF:53438.8/22

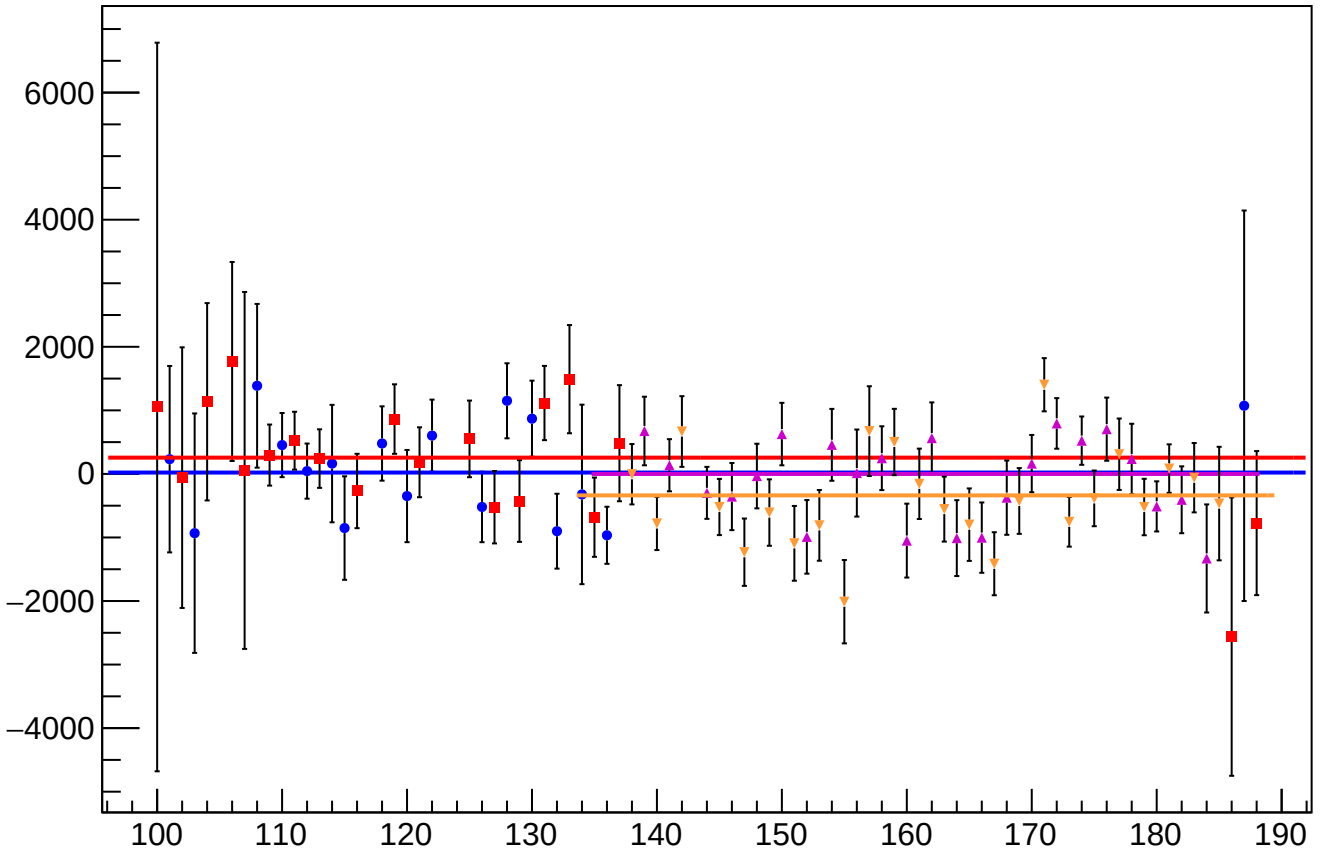
Left: 1083.230+/-0.126 χ^2/NDF: 111366.1/46

Right: 1126.434+/-0.203 χ^2/NDF: 853274.5/36

In: 1092.951+/-0.153 χ^2/NDF:686206.2/39

Out: 1097.548+/-0.150 χ^2/NDF:310739.9/43

All: 1095.305+/-0.107 χ^2/NDF: 997406.4/83



Right In: 21.363+/-161.015 χ^2/NDF: 19.3/16

Left Out: -337.727+/-102.601 χ^2/NDF:48.8/23

Right Out: 256.054+/-154.342 χ^2/NDF: 16.0/19

Left In: -0.547+/-104.733 χ^2/NDF:31.9/22

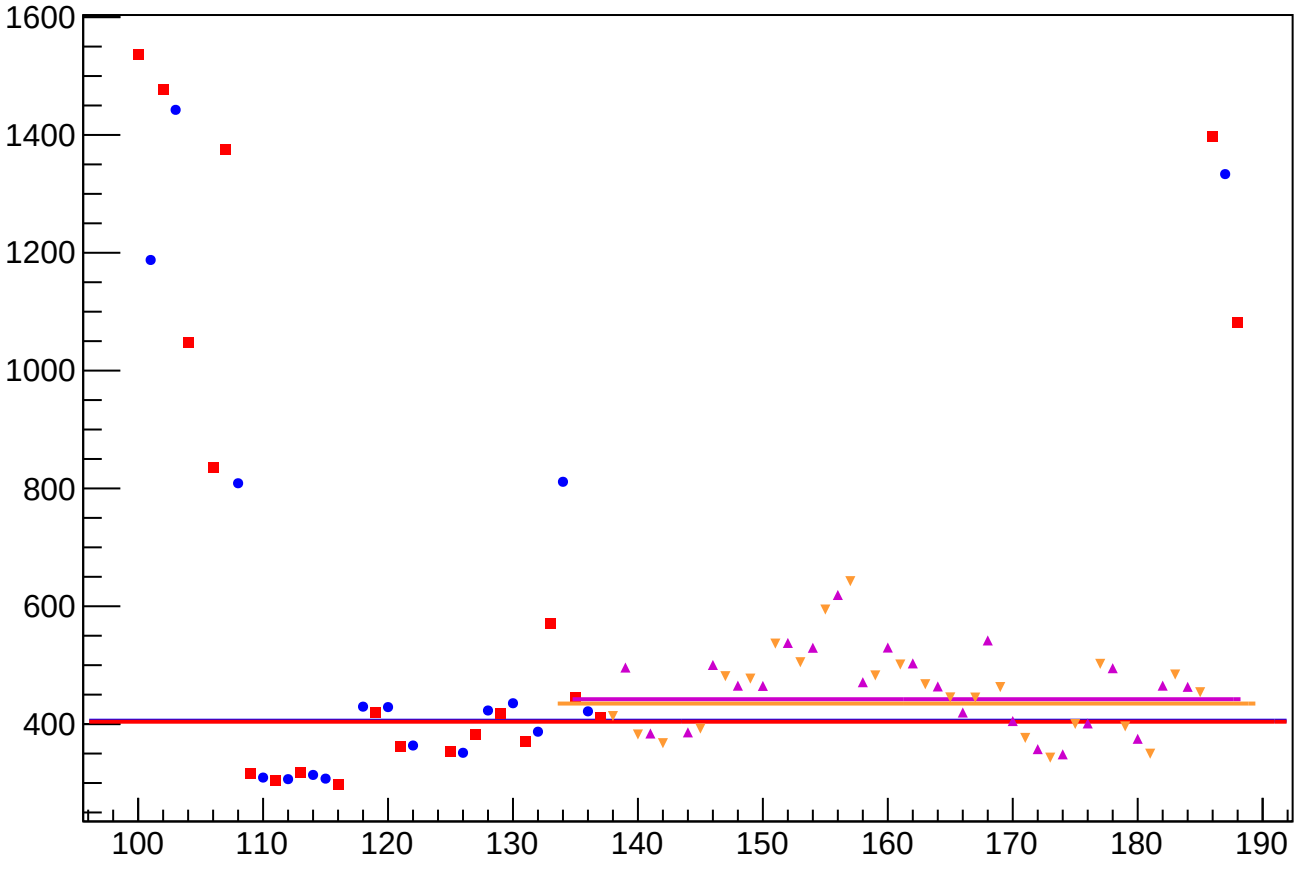
Left: -172.603+/-73.292 χ^2/NDF: 85.9/46

Right: 143.673+/-111.421 χ^2/NDF: 36.4/36

In: 5.967+/-87.794 χ^2/NDF:51.2/39

Out: -155.746+/-85.444 χ^2/NDF:75.1/43

All: -77.083+/-61.232 χ^2/NDF: 128.0/83



Right In: 405.750+/-0.114 χ^2/NDF: 1991337.9/16

Left Out: 434.858+/-0.073 χ^2/NDF:878416.4/23

Right Out: 404.062+/-0.109 χ^2/NDF: 2911121.3/19

Left In: 442.209+/-0.074 χ^2/NDF:825972.2/22

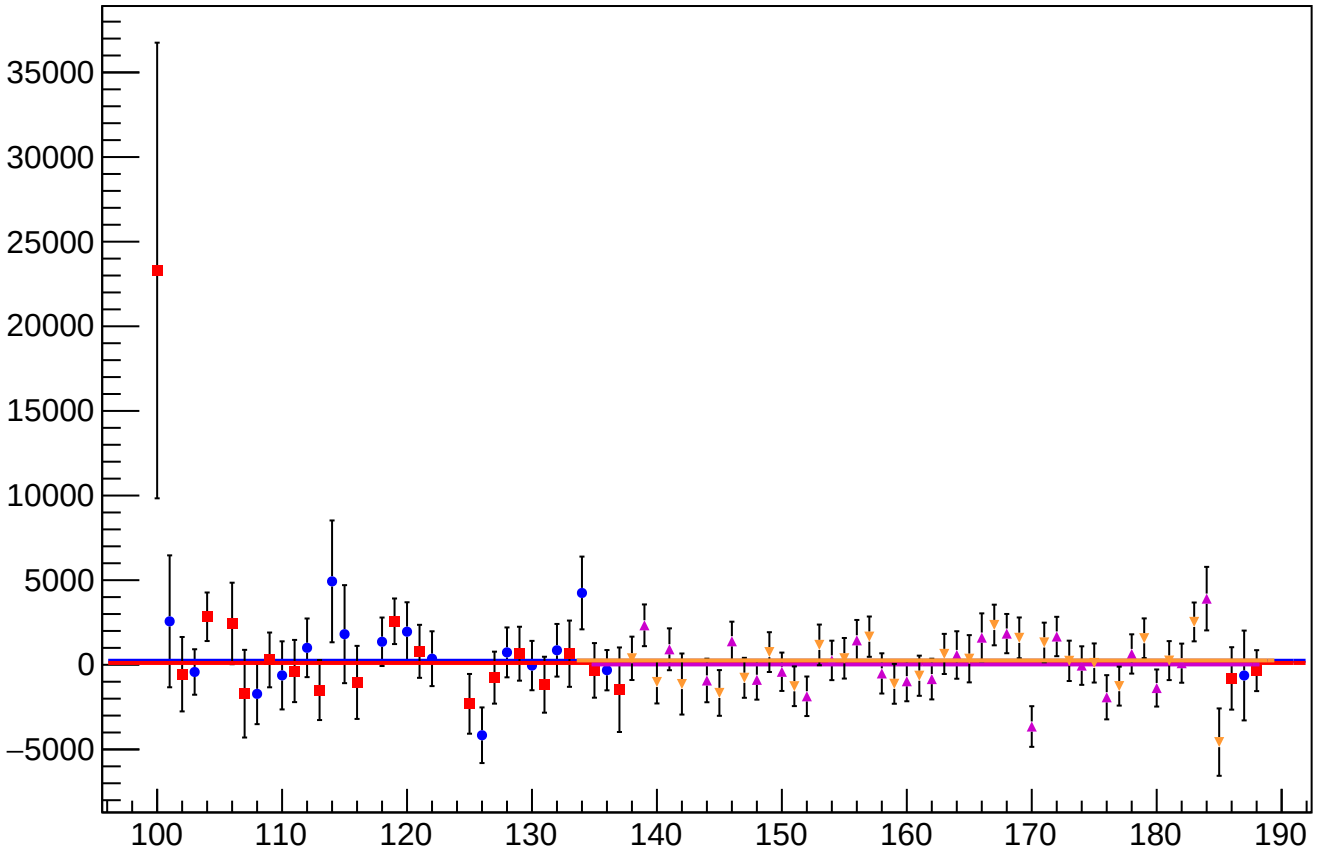
Left: 438.458+/-0.052 χ^2/NDF: 1709415.0/46

Right: 404.870+/-0.079 χ^2/NDF: 4902573.8/36

In: 431.369+/-0.062 χ^2/NDF:2889366.1/39

Out: 425.420+/-0.060 χ^2/NDF:3844761.9/43

All: 428.314+/-0.043 χ^2/NDF: 6738844.5/83



Right In: 238.132+/-419.321 χ^2/NDF: 17.0/16

Left Out: 260.639+/-251.401 χ^2/NDF:28.2/23

Right Out: 109.177+/-392.843 χ^2/NDF: 16.7/19

Left In: 22.362+/-253.332 χ^2/NDF:35.8/22

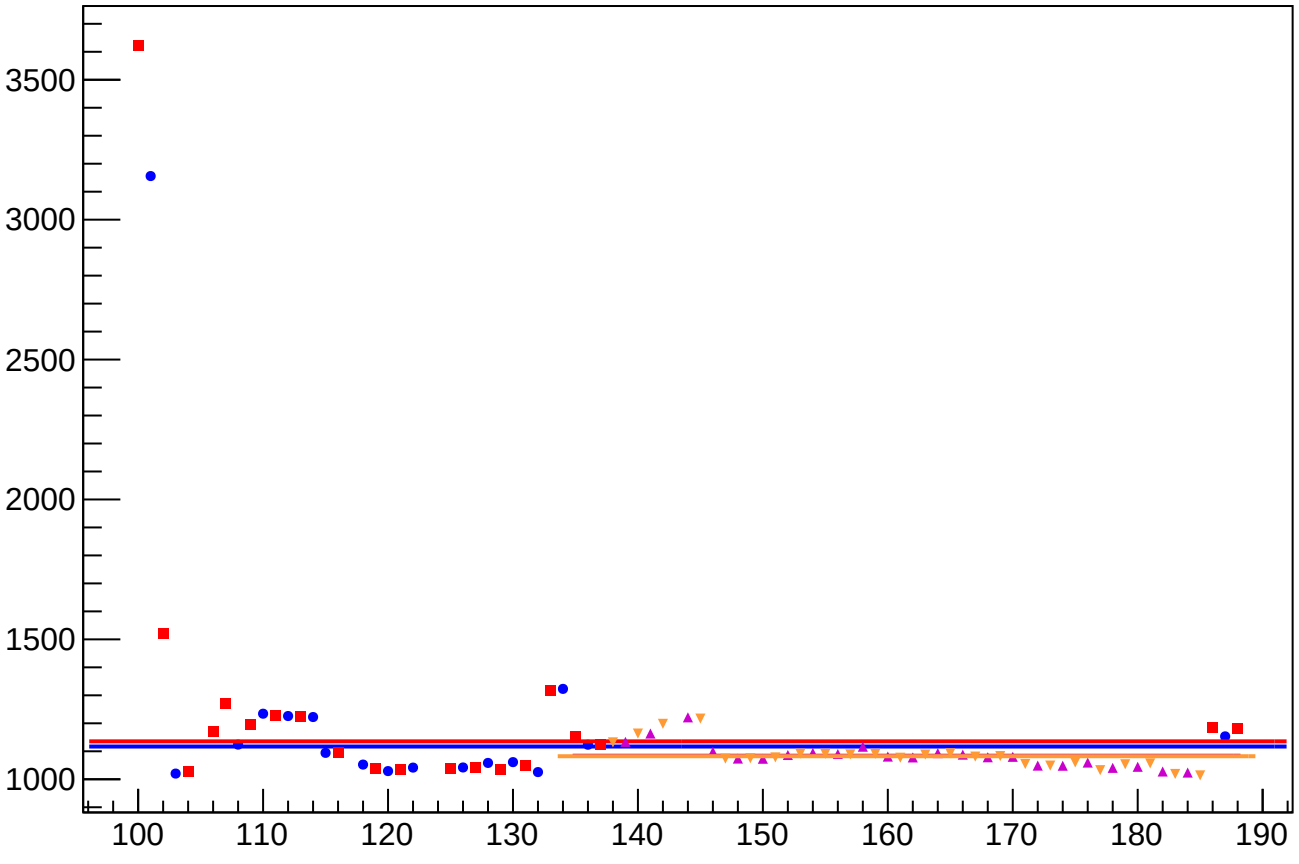
Left: 142.412+/-178.446 χ^2/NDF: 64.5/46

Right: 169.455+/-286.686 χ^2/NDF: 33.8/36

In: 80.058+/-216.832 χ^2/NDF:53.0/39

Out: 216.632+/-211.752 χ^2/NDF:45.0/43

All: 149.964+/-151.496 χ^2/NDF: 98.3/83



Right In: 1117.018+/-0.297 χ^2/NDF: 623774.9/16

Left Out: 1082.308+/-0.178 χ^2/NDF:57873.0/23

Right Out: 1135.501+/-0.278 χ^2/NDF: 228062.0/19

Left In: 1084.166+/-0.179 χ^2/NDF:53438.8/22

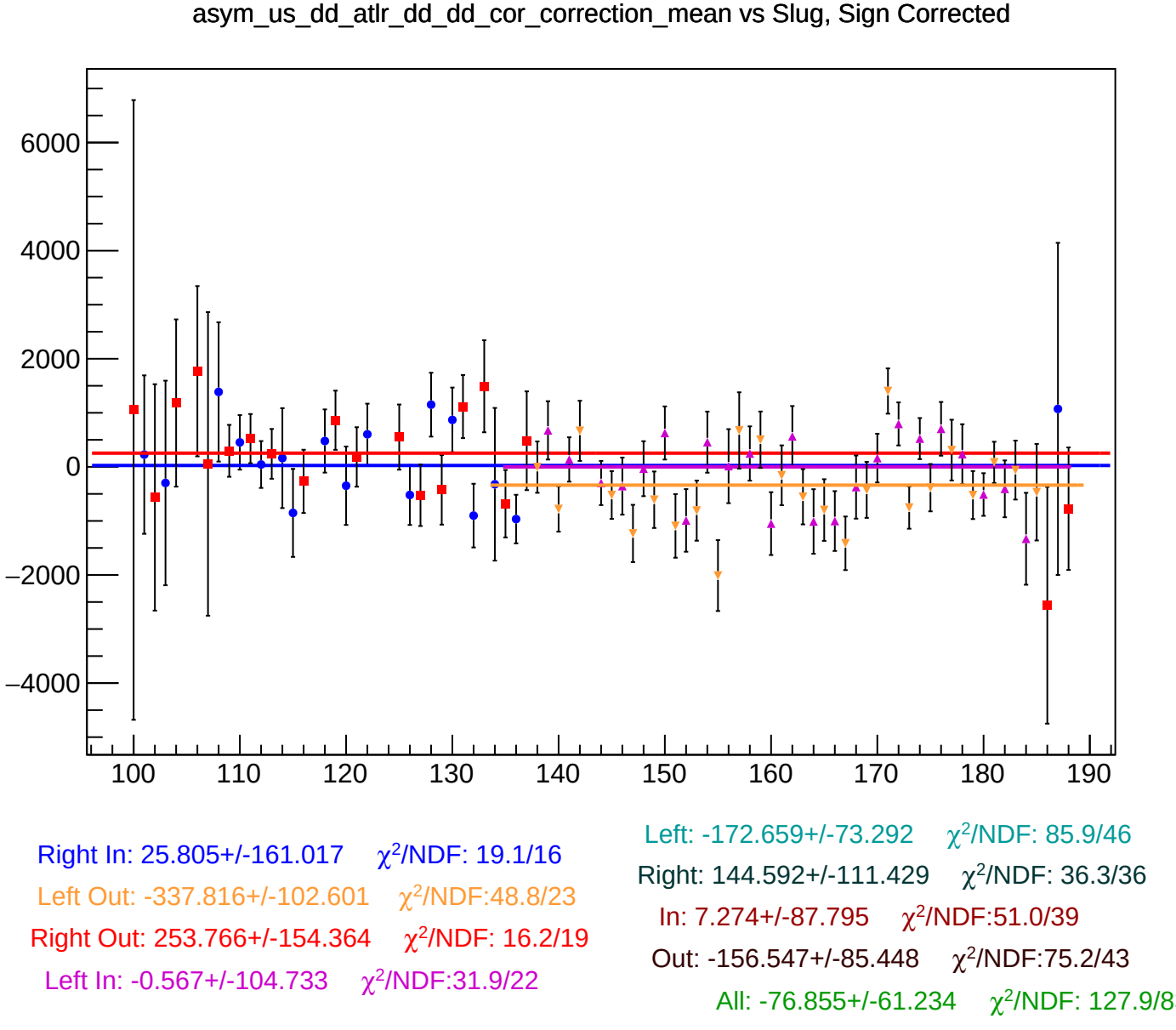
Left: 1083.230+/-0.126 χ^2/NDF: 111366.0/46

Right: 1126.861+/-0.203 χ^2/NDF: 853906.5/36

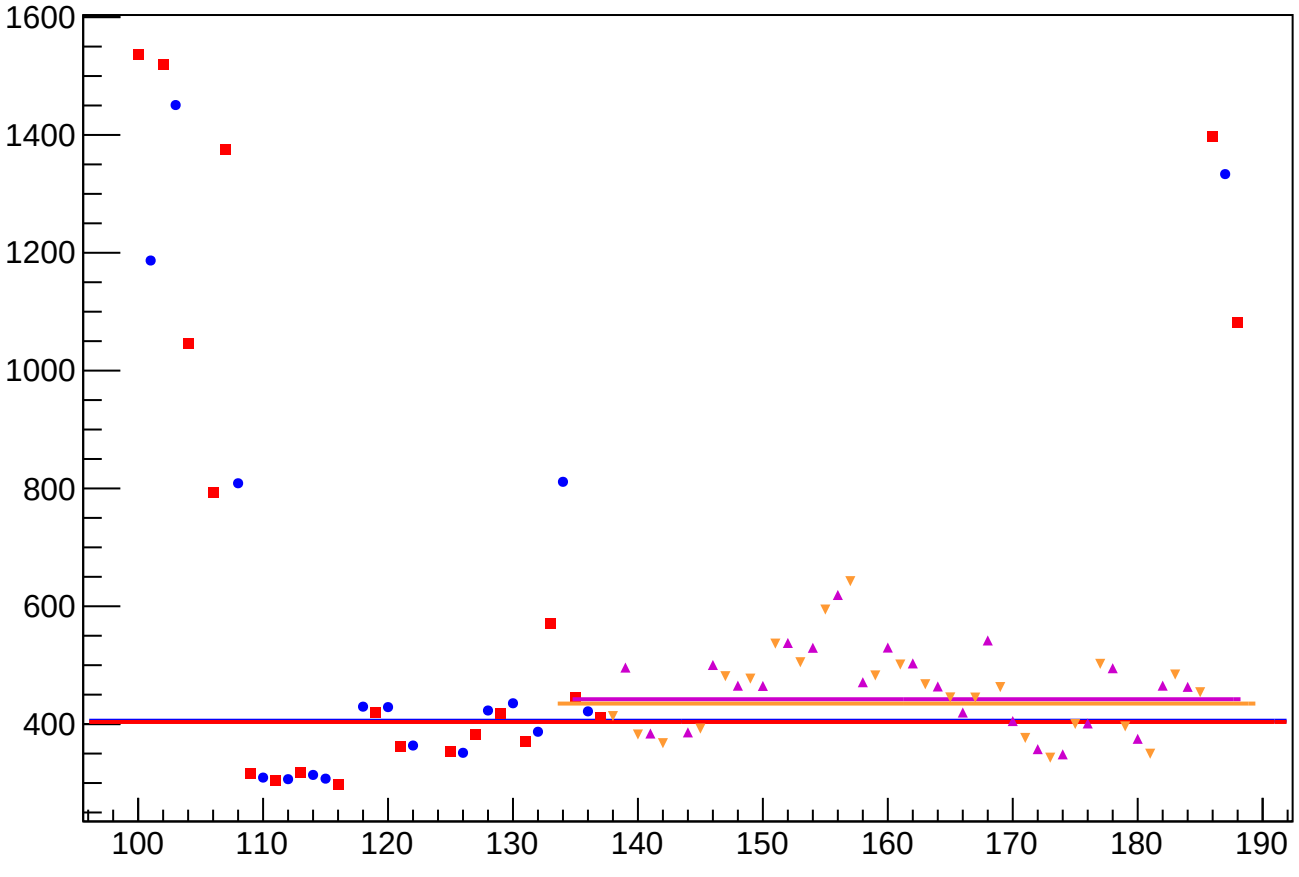
In: 1092.951+/-0.153 χ^2/NDF:686207.1/39

Out: 1097.763+/-0.150 χ^2/NDF:311950.3/43

All: 1095.414+/-0.107 χ^2/NDF: 998661.6/83


asym_us_dd_atlr_dd_dd_cor_correction_mean vs Slug, Sign Corrected
6000
4000
2000
0
−2000
−4000
100
110
120
130
140
150
160
170
180
190
Right In: 25.805+/-161.017 χ²/NDF: 19.1/16
Left Out: -337.816+/-102.601 χ²/NDF:48.8/23
Right Out: 253.766+/-154.364 χ²/NDF: 16.2/19
Left In: -0.567+/-104.733 χ²/NDF:31.9/22
Left: -172.659+/-73.292 χ²/NDF: 85.9/46
Right: 144.592+/-111.429 χ²/NDF: 36.3/36
In: 7.274+/-87.795 χ²/NDF:51.0/39
Out: -156.547+/-85.448 χ²/NDF:75.2/43
All: -76.855+/-61.234 χ²/NDF: 127.9/83

asym_us_dd_atlr_dd_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 405.738+/-0.114 χ^2/NDF: 1995021.8/16

Left Out: 434.856+/-0.073 χ^2/NDF:878507.3/23

Right Out: 403.613+/-0.109 χ^2/NDF: 2900513.1/19

Left In: 442.210+/-0.074 χ^2/NDF:825844.5/22

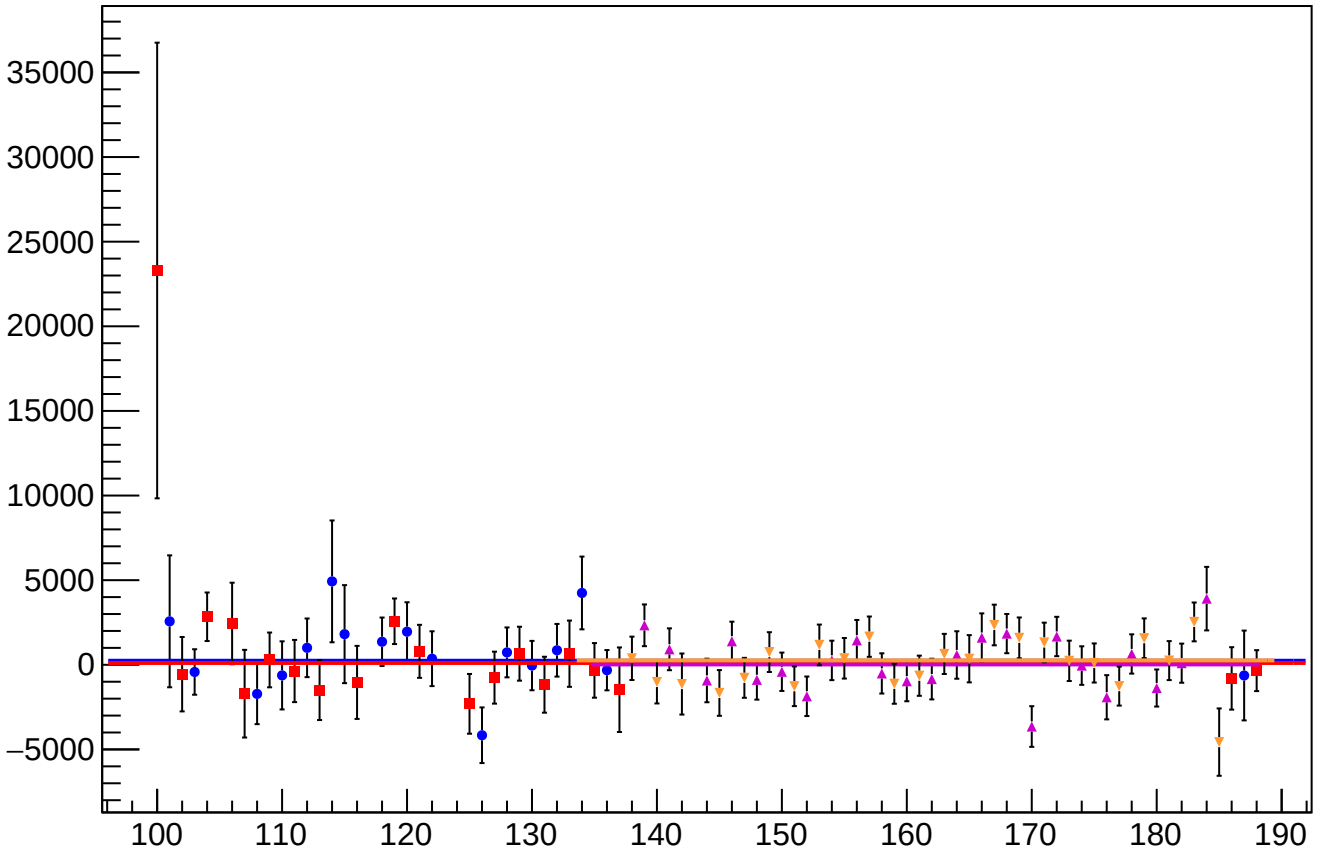
Left: 438.457+/-0.052 χ^2/NDF: 1709383.2/46

Right: 404.631+/-0.079 χ^2/NDF: 4895716.3/36

In: 431.367+/-0.062 χ^2/NDF:2892972.8/39

Out: 425.283+/-0.060 χ^2/NDF:3835843.8/43

All: 428.242+/-0.043 χ^2/NDF: 6733748.6/83



Right In: 238.132+/-419.321 χ^2/NDF: 17.0/16

Left Out: 260.639+/-251.401 χ^2/NDF:28.2/23

Right Out: 109.177+/-392.843 χ^2/NDF: 16.7/19

Left In: 22.362+/-253.332 χ^2/NDF:35.8/22

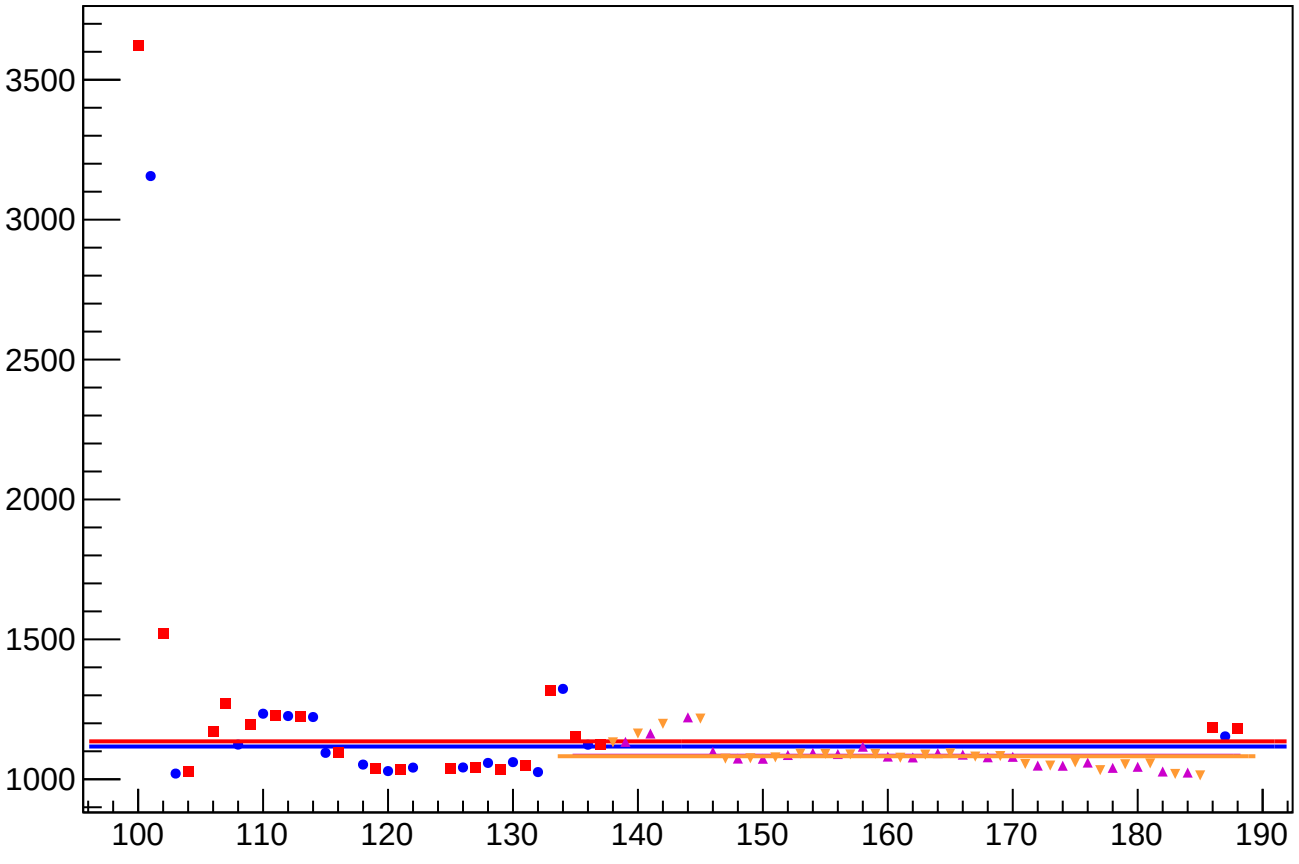
Left: 142.412+/-178.446 χ^2/NDF: 64.5/46

Right: 169.455+/-286.686 χ^2/NDF: 33.8/36

In: 80.058+/-216.832 χ^2/NDF:53.0/39

Out: 216.632+/-211.752 χ^2/NDF:45.0/43

All: 149.964+/-151.496 χ^2/NDF: 98.3/83



Right In: 1117.018+/-0.297 χ^2/NDF: 623774.9/16

Left Out: 1082.308+/-0.178 χ^2/NDF:57873.0/23

Right Out: 1135.501+/-0.278 χ^2/NDF: 228062.0/19

Left In: 1084.166+/-0.179 χ^2/NDF:53438.8/22

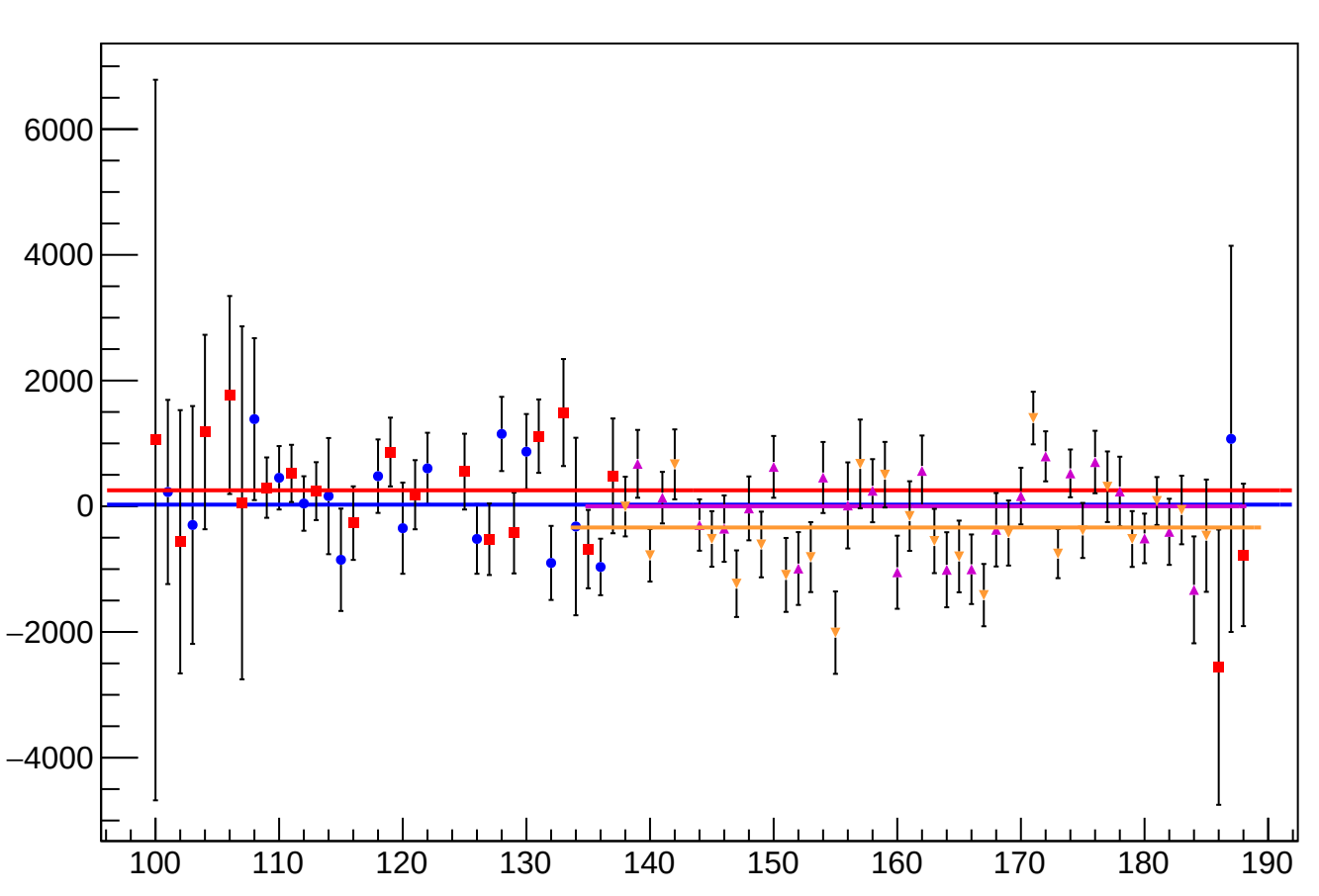
Left: 1083.230+/-0.126 χ^2/NDF: 111366.0/46

Right: 1126.861+/-0.203 χ^2/NDF: 853906.5/36

In: 1092.951+/-0.153 χ^2/NDF:686207.1/39

Out: 1097.763+/-0.150 χ^2/NDF:311950.3/43

All: 1095.414+/-0.107 χ^2/NDF: 998661.6/83



Right In: 25.805+/-161.017 χ^2/NDF: 19.1/16

Left Out: -337.816+/-102.601 χ^2/NDF:48.8/23

Right Out: 253.766+/-154.364 χ^2/NDF: 16.2/19

Left In: -0.567+/-104.733 χ^2/NDF:31.9/22

Left: -172.659+/-73.292 χ^2/NDF: 85.9/46

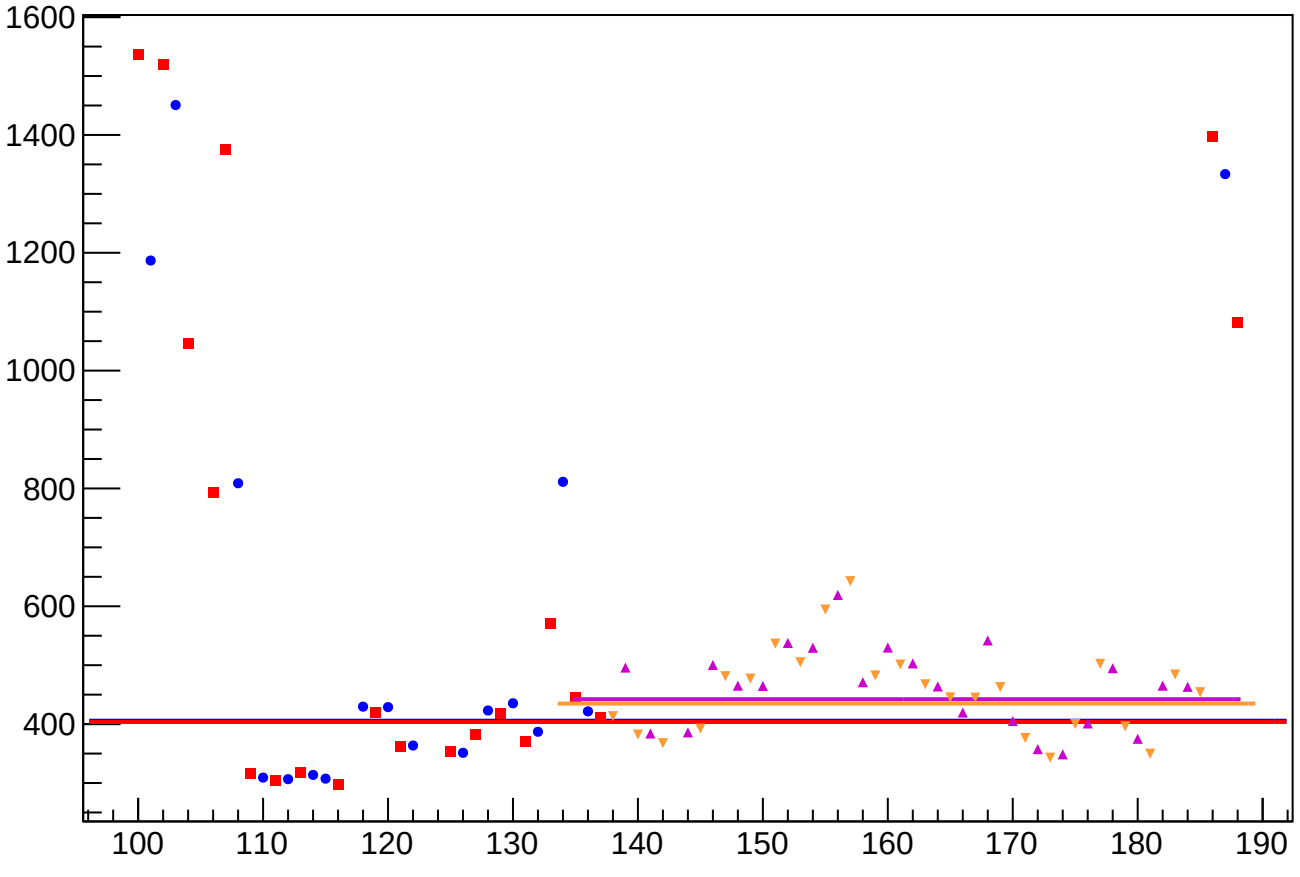
Right: 144.592+/-111.429 χ^2/NDF: 36.3/36

In: 7.274+/-87.795 χ^2/NDF:51.0/39

Out: -156.547+/-85.448 χ^2/NDF:75.2/43

All: -76.855+/-61.234 χ^2/NDF: 127.9/83

asym_us_dd_atlr_dd_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 405.738+/-0.114 χ^2/NDF: 1995021.8/16

Left Out: 434.856+/-0.073 χ^2/NDF:878507.3/23

Right Out: 403.613+/-0.109 χ^2/NDF: 2900513.1/19

Left In: 442.210+/-0.074 χ^2/NDF:825844.5/22

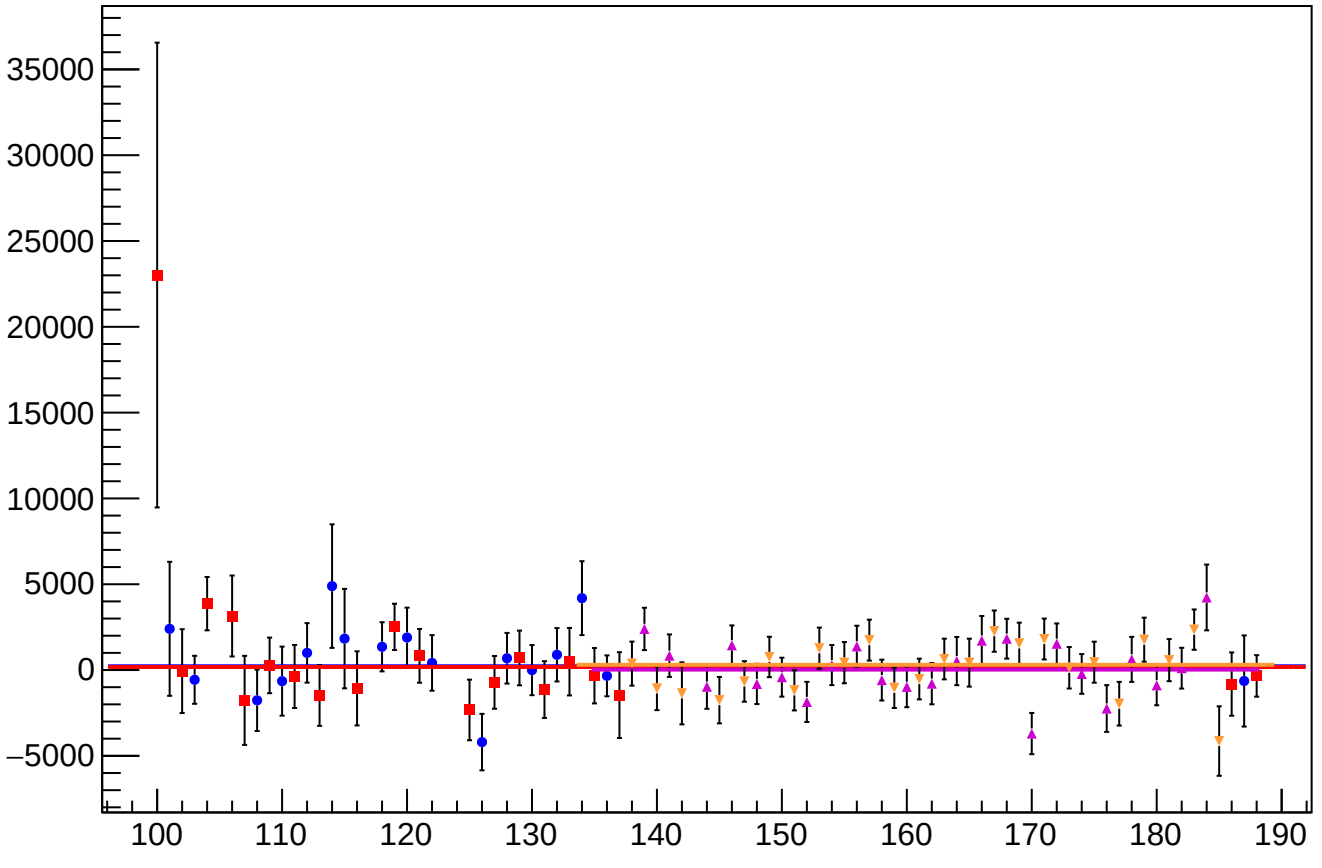
Left: 438.457+/-0.052 χ^2/NDF: 1709383.2/46

Right: 404.631+/-0.079 χ^2/NDF: 4895716.3/36

In: 431.367+/-0.062 χ^2/NDF:2892972.8/39

Out: 425.283+/-0.060 χ^2/NDF:3835843.8/43

All: 428.242+/-0.043 χ^2/NDF: 6733748.6/83



Right In: 218.704+/-421.191 χ^2/NDF: 17.1/16

Left Out: 303.404+/-255.556 χ^2/NDF:28.5/23

Right Out: 178.524+/-396.333 χ^2/NDF: 19.2/19

Left In: 25.319+/-256.866 χ^2/NDF:35.9/22

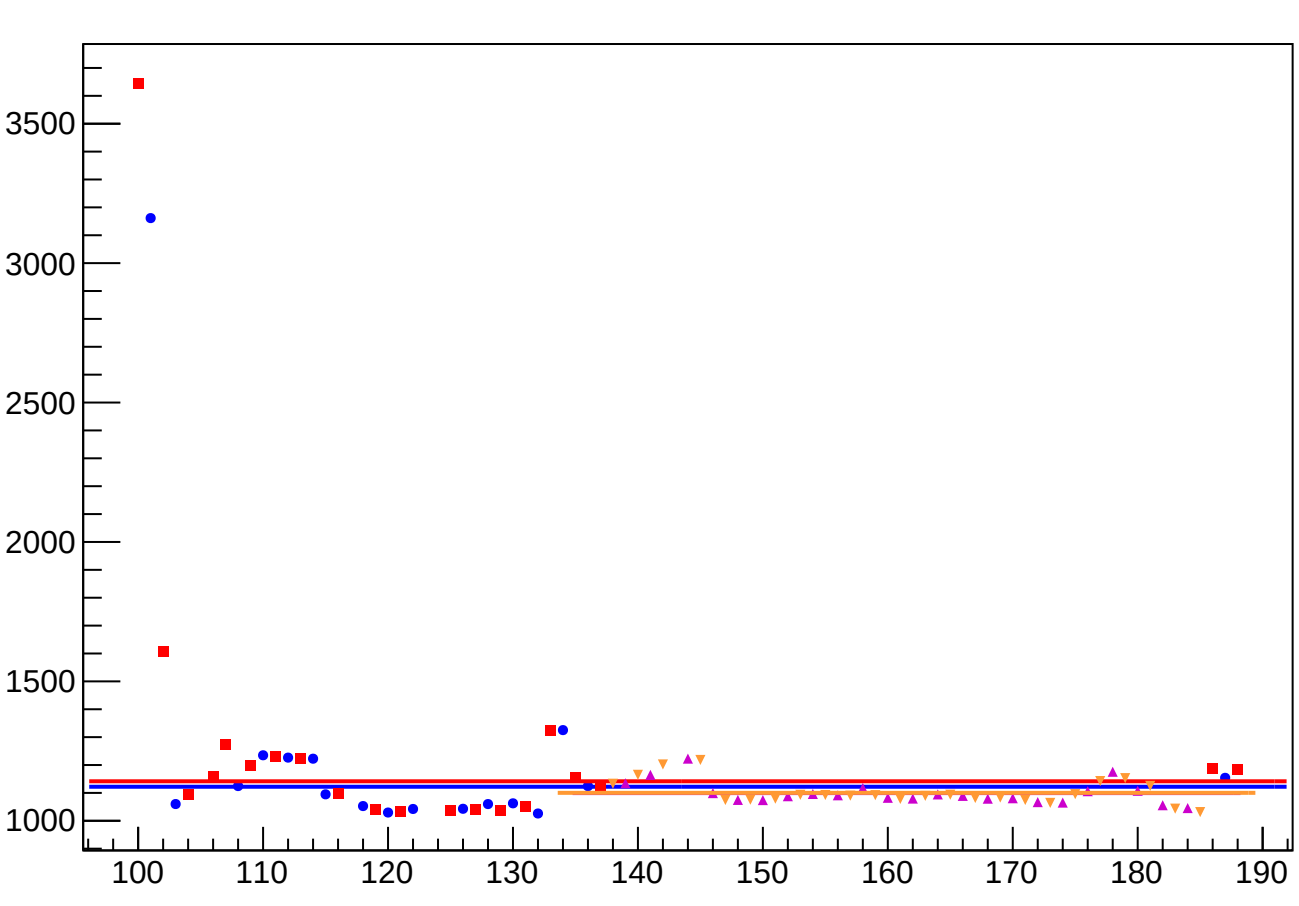
Left: 165.072+/-181.167 χ^2/NDF: 64.9/46

Right: 197.393+/-288.638 χ^2/NDF: 36.3/36

In: 77.745+/-219.301 χ^2/NDF:53.1/39

Out: 266.730+/-214.778 χ^2/NDF:47.8/43

All: 174.207+/-153.445 χ^2/NDF: 101.2/83



Right In: 1122.119+/-0.298 χ^2/NDF: 617325.5/16

Left Out: 1100.258+/-0.181 χ^2/NDF:48774.1/23

Right Out: 1141.651+/-0.280 χ^2/NDF: 231648.7/19

Left In: 1099.342+/-0.182 χ^2/NDF:44785.6/22

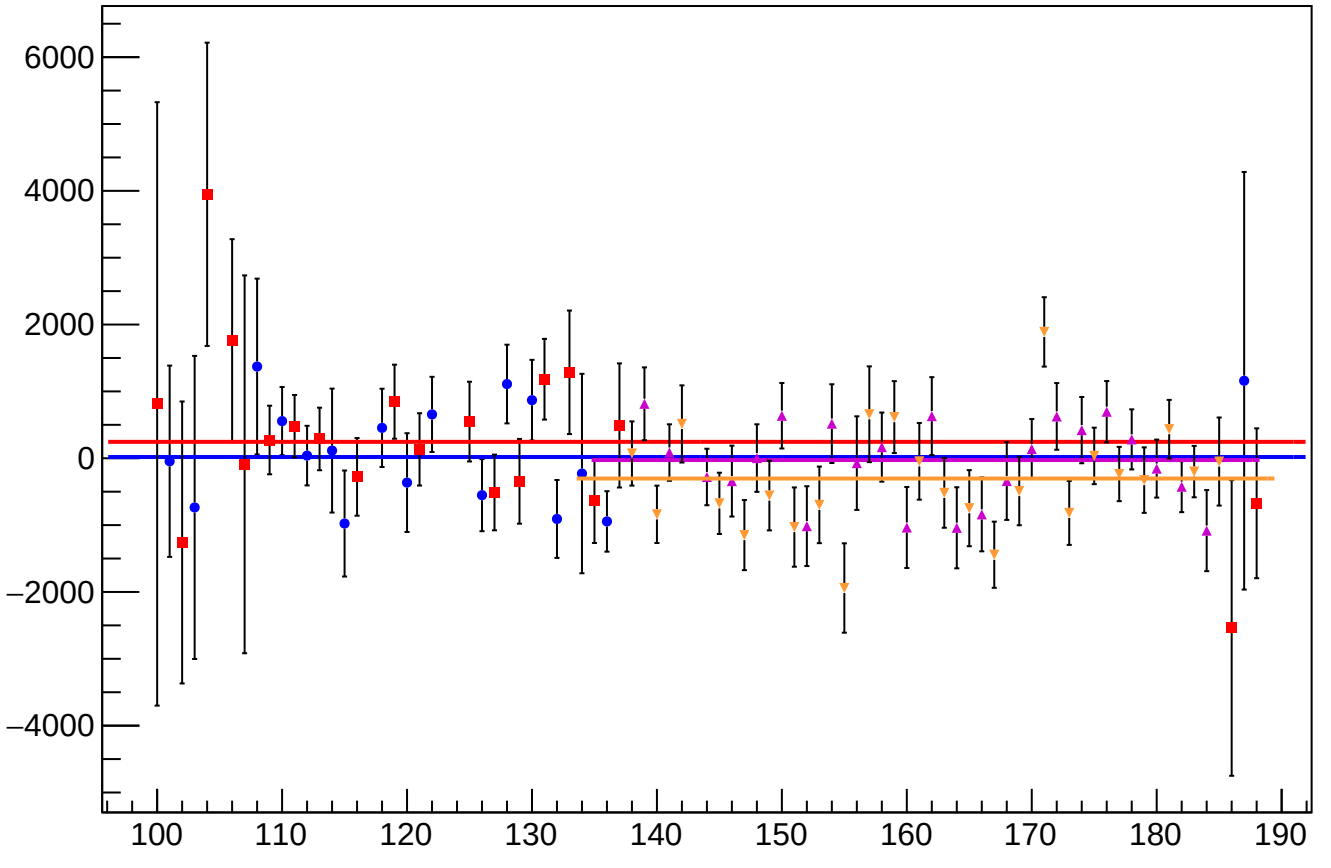
Left: 1099.802+/-0.128 χ^2/NDF: 93572.4/46

Right: 1132.478+/-0.204 χ^2/NDF: 851255.4/36

In: 1105.517+/-0.155 χ^2/NDF:666374.3/39

Out: 1112.414+/-0.152 χ^2/NDF:295831.6/43

All: 1109.037+/-0.109 χ^2/NDF: 963215.6/83



Right In: 18.354+/-161.629 χ^2/NDF: 19.8/16

Left Out: -303.217+/-102.979 χ^2/NDF:49.5/23

Right Out: 245.430+/-156.860 χ^2/NDF: 17.4/19

Left In: -26.740+/-105.420 χ^2/NDF:27.9/22

Left: -168.216+/-73.665 χ^2/NDF: 80.9/46

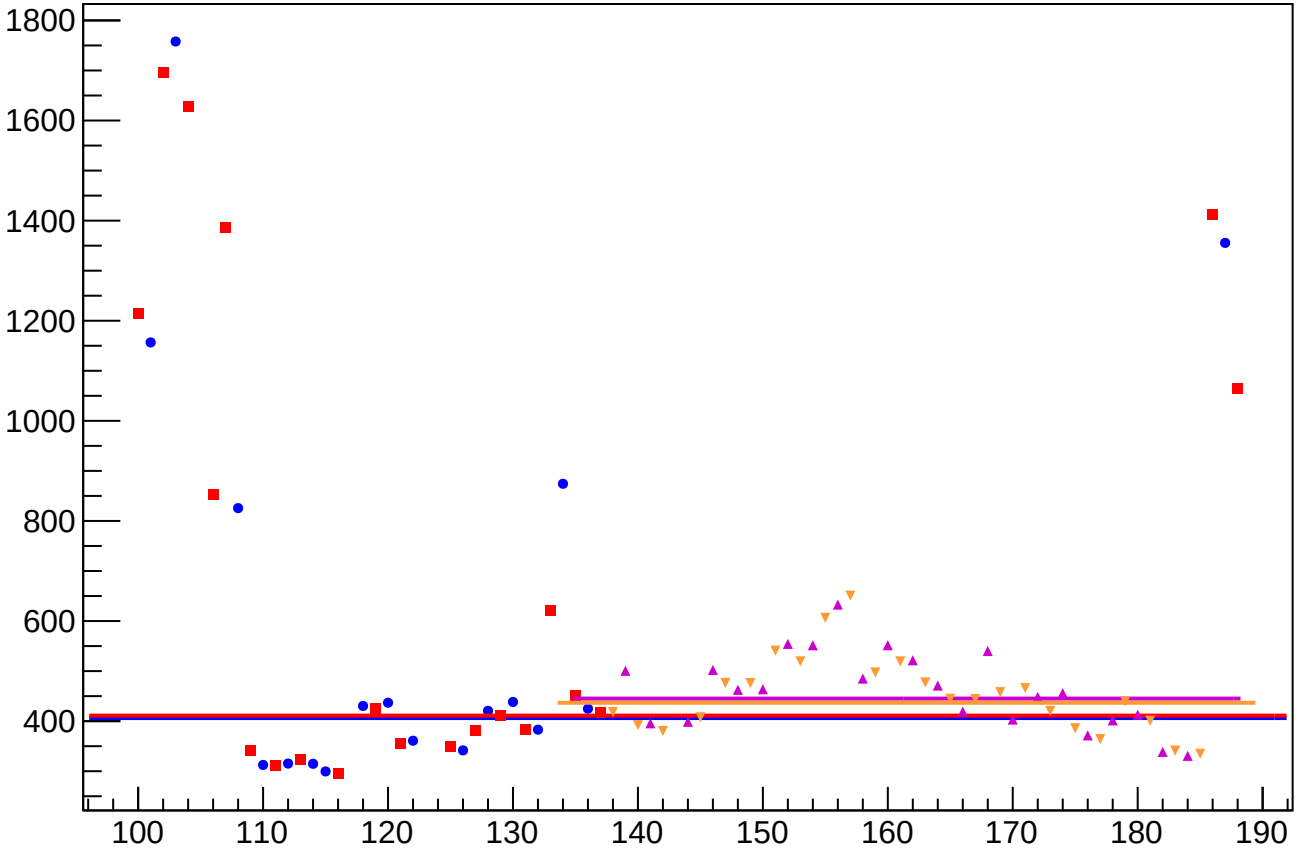
Right: 135.291+/-112.565 χ^2/NDF: 38.1/36

In: -13.281+/-88.299 χ^2/NDF:47.7/39

Out: -137.972+/-86.086 χ^2/NDF:75.5/43

All: -77.209+/-61.639 χ^2/NDF: 124.2/83

asym_us_dd_atlr_dd_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 406.205+/-0.114 χ^2/NDF: 2114856.5/16

Left Out: 436.787+/-0.073 χ^2/NDF:855206.3/23

Right Out: 411.088+/-0.111 χ^2/NDF: 3317464.1/19

Left In: 445.109+/-0.075 χ^2/NDF:874534.9/22

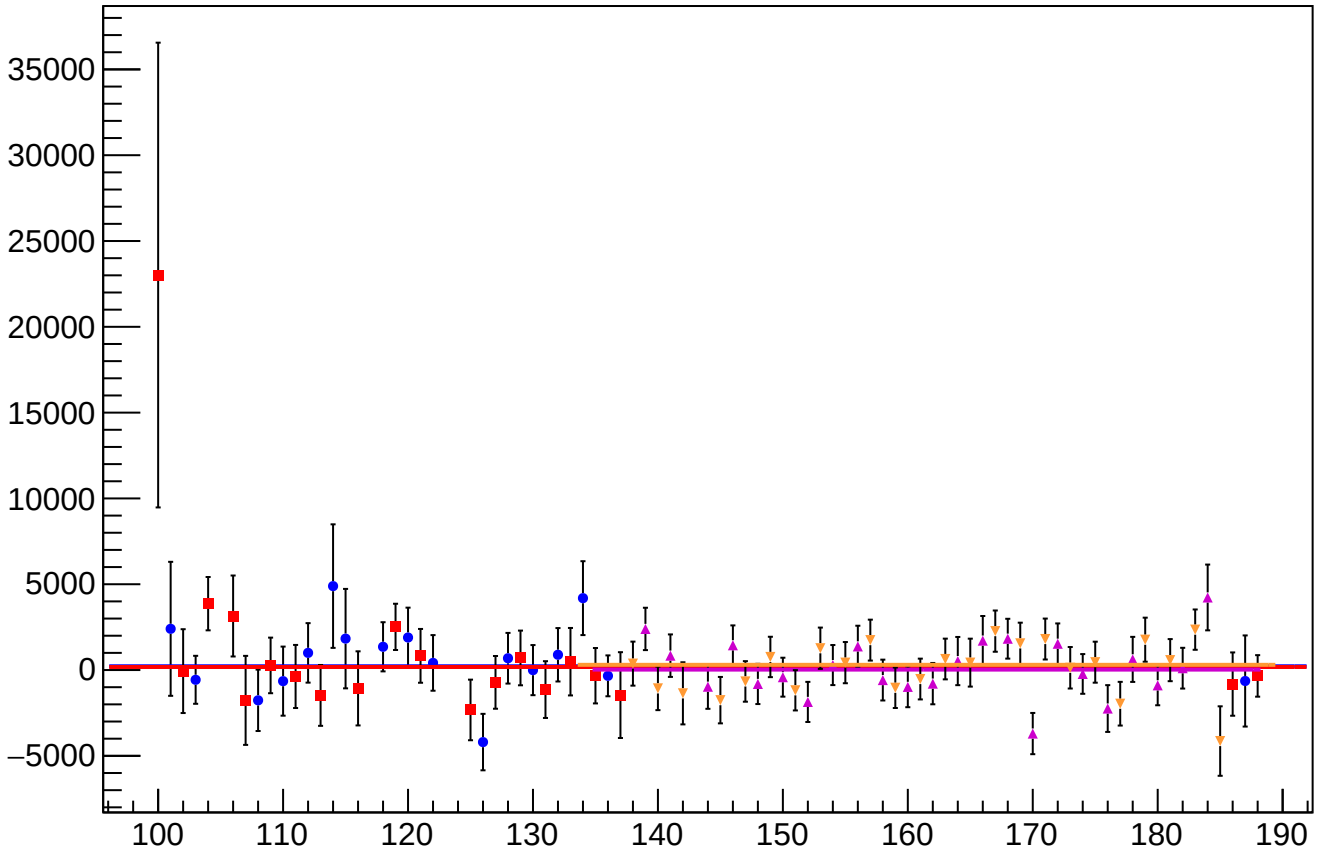
Left: 440.850+/-0.052 χ^2/NDF: 1736118.5/46

Right: 408.719+/-0.080 χ^2/NDF: 5433260.7/36

In: 433.498+/-0.062 χ^2/NDF:3070682.5/39

Out: 429.047+/-0.061 χ^2/NDF:4210185.4/43

All: 431.216+/-0.044 χ^2/NDF: 7283473.6/83



Right In: 218.706+/-421.191 χ^2/NDF: 17.1/16

Left Out: 303.402+/-255.556 χ^2/NDF:28.5/23

Right Out: 178.525+/-396.333 χ^2/NDF: 19.2/19

Left In: 25.320+/-256.866 χ^2/NDF:35.9/22

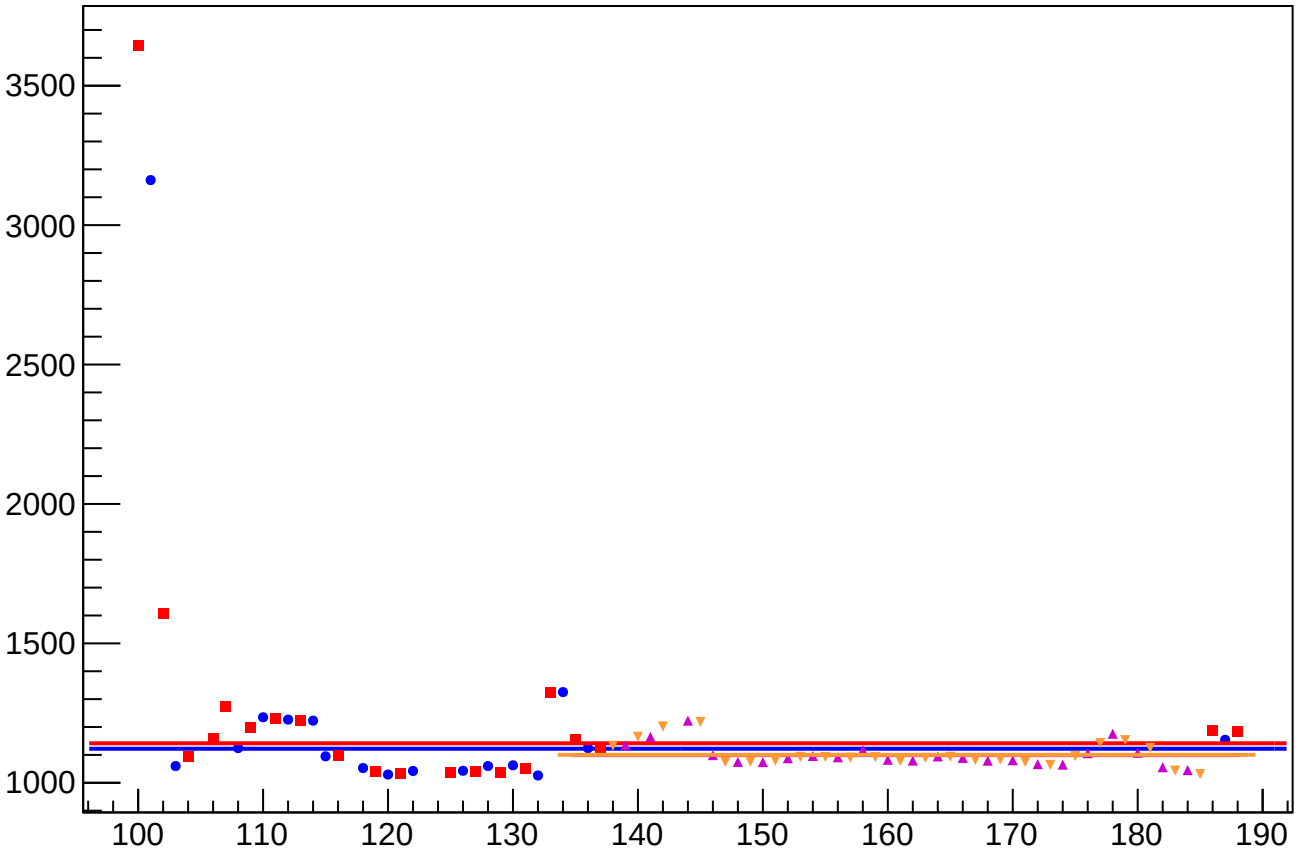
Left: 165.071+/-181.167 χ^2/NDF: 64.9/46

Right: 197.395+/-288.638 χ^2/NDF: 36.3/36

In: 77.746+/-219.301 χ^2/NDF:53.1/39

Out: 266.729+/-214.778 χ^2/NDF:47.8/43

All: 174.207+/-153.445 χ^2/NDF: 101.2/83



Right In: 1122.119+/-0.298 χ^2/NDF: 617325.5/16

Left Out: 1100.258+/-0.181 χ^2/NDF:48774.3/23

Right Out: 1141.651+/-0.280 χ^2/NDF: 231648.8/19

Left In: 1099.342+/-0.182 χ^2/NDF:44785.7/22

Left: 1099.802+/-0.128 χ^2/NDF: 93572.8/46

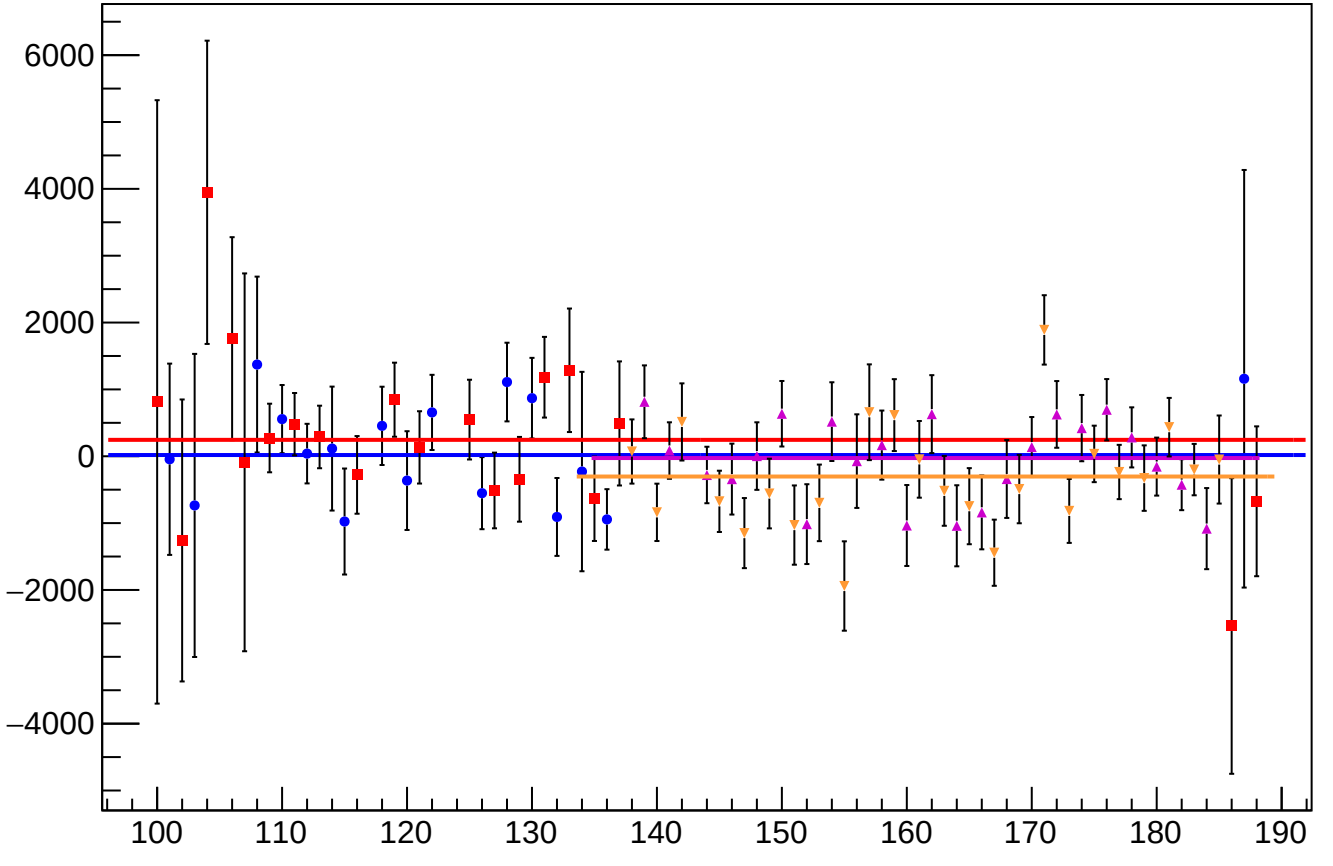
Right: 1132.478+/-0.204 χ^2/NDF: 851255.4/36

In: 1105.517+/-0.155 χ^2/NDF:666374.4/39

Out: 1112.414+/-0.152 χ^2/NDF:295831.8/43

All: 1109.037+/-0.109 χ^2/NDF: 963216.0/83

asym_us_dd_atlr_dd_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 18.350+/-161.627 χ^2/NDF: 19.8/16

Left Out: -303.218+/-102.979 χ^2/NDF:49.5/23

Right Out: 245.427+/-156.859 χ^2/NDF: 17.4/19

Left In: -26.739+/-105.420 χ^2/NDF:27.9/22

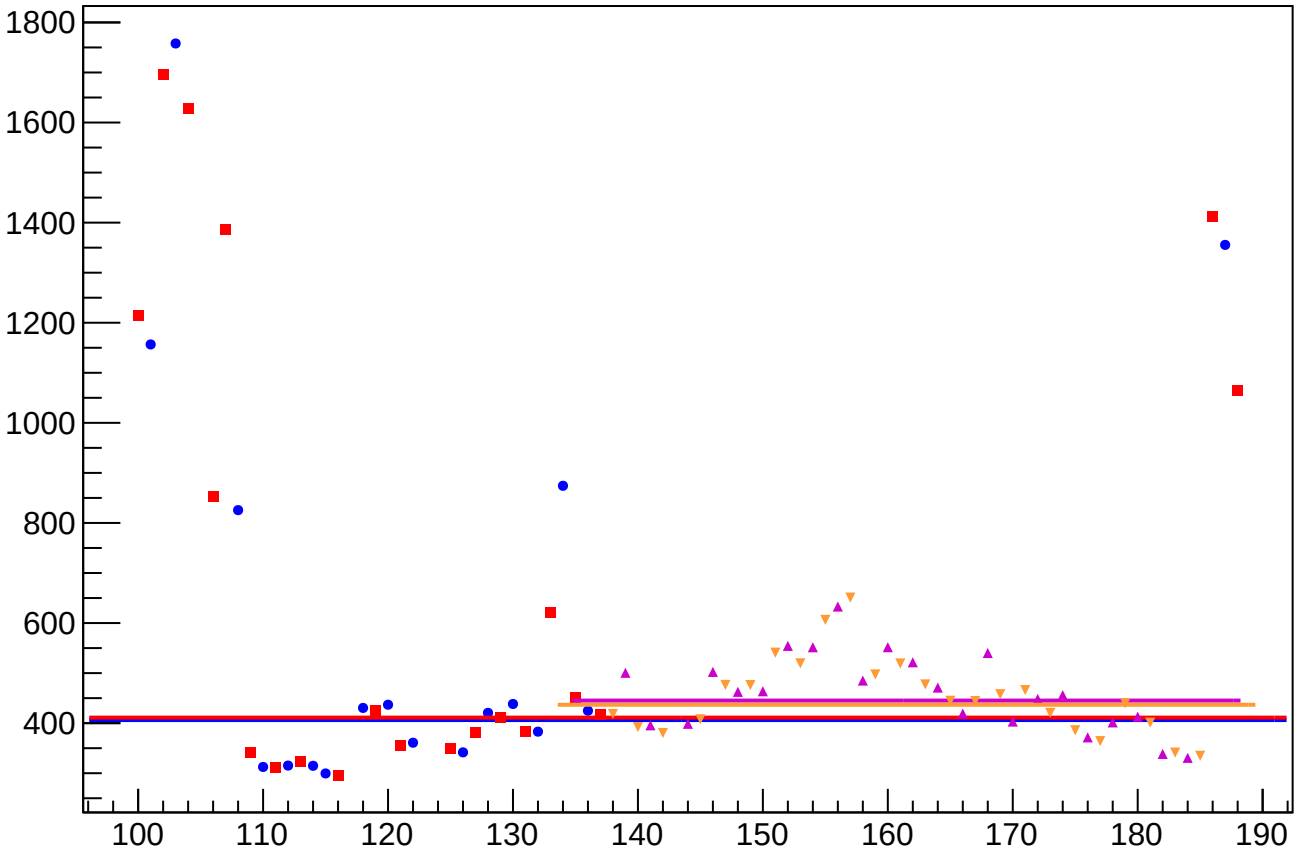
Left: -168.217+/-73.665 χ^2/NDF: 80.9/46

Right: 135.288+/-112.564 χ^2/NDF: 38.1/36

In: -13.282+/-88.298 χ^2/NDF:47.7/39

Out: -137.972+/-86.085 χ^2/NDF:75.5/43

All: -77.209+/-61.639 χ^2/NDF: 124.2/83



Right In: 406.202+/-0.114 χ^2/NDF: 2114852.4/16

Left Out: 436.787+/-0.073 χ^2/NDF:855236.5/23

Right Out: 411.084+/-0.111 χ^2/NDF: 3317472.7/19

Left In: 445.108+/-0.075 χ^2/NDF:874568.8/22

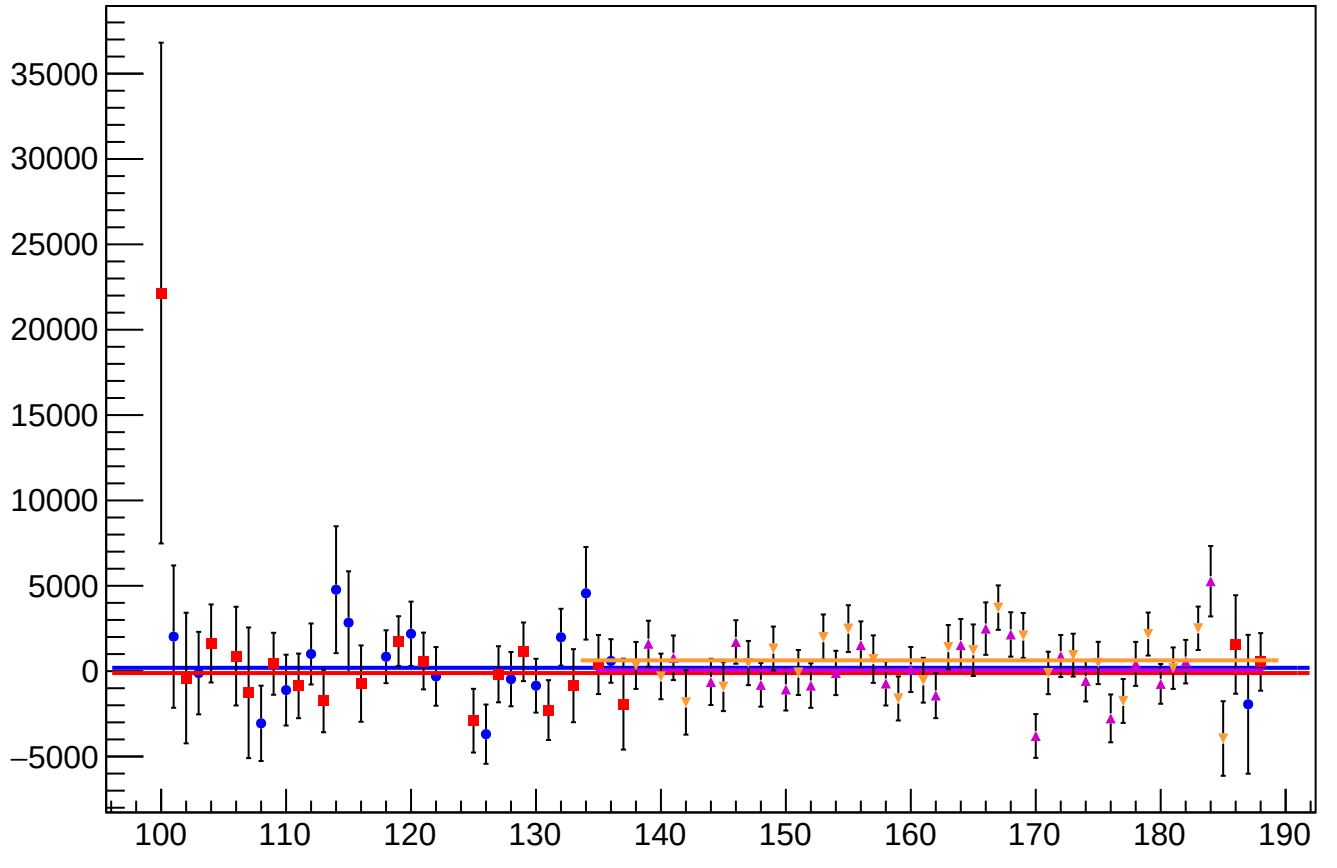
Left: 440.850+/-0.052 χ^2/NDF: 1736182.6/46

Right: 408.716+/-0.080 χ^2/NDF: 5433265.1/36

In: 433.497+/-0.062 χ^2/NDF:3070724.0/39

Out: 429.045+/-0.061 χ^2/NDF:4210233.3/43

All: 431.214+/-0.044 χ^2/NDF: 7283563.0/83



Right In: 195.732+/-471.361 χ^2/NDF: 16.4/16

Left Out: 632.875+/-274.060 χ^2/NDF:30.1/23

Right Out: -111.309+/-453.963 χ^2/NDF: 11.5/19

Left In: 50.835+/-276.213 χ^2/NDF:35.0/22

Left: 344.131+/-194.546 χ^2/NDF: 67.4/46

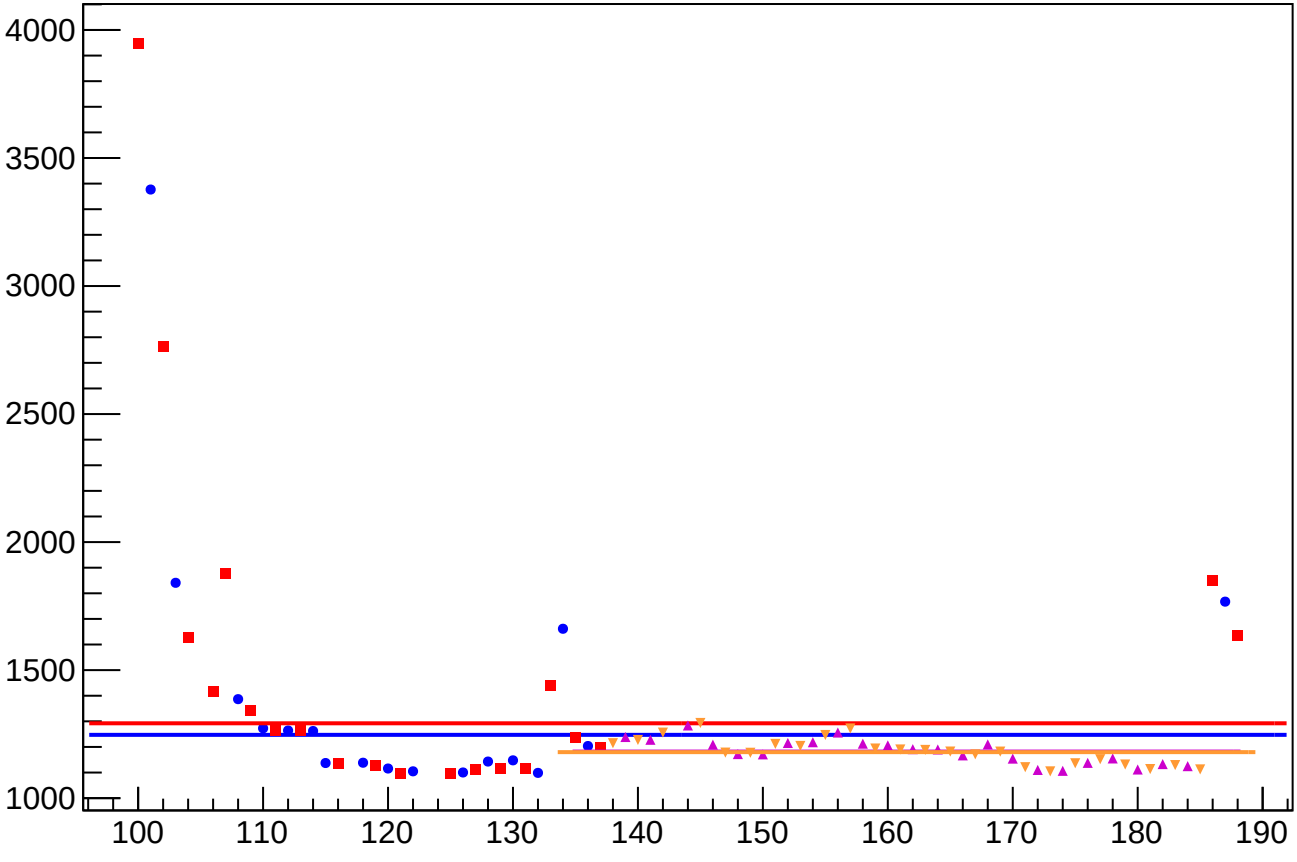
Right: 36.440+/-326.978 χ^2/NDF: 28.1/36

In: 87.873+/-238.311 χ^2/NDF:51.5/39

Out: 434.095+/-234.620 χ^2/NDF:43.6/43

All: 263.685+/-167.191 χ^2/NDF: 96.1/83

asym_us_dd_atlr_dd_dd_rms vs Slug, Sign Corrected



Right In: 1247.221+/-0.333 χ^2/NDF: 815839.1/16

Left Out: 1179.713+/-0.194 χ^2/NDF:64667.7/23

Right Out: 1292.349+/-0.321 χ^2/NDF: 780171.9/19

Left In: 1181.929+/-0.195 χ^2/NDF:60355.9/22

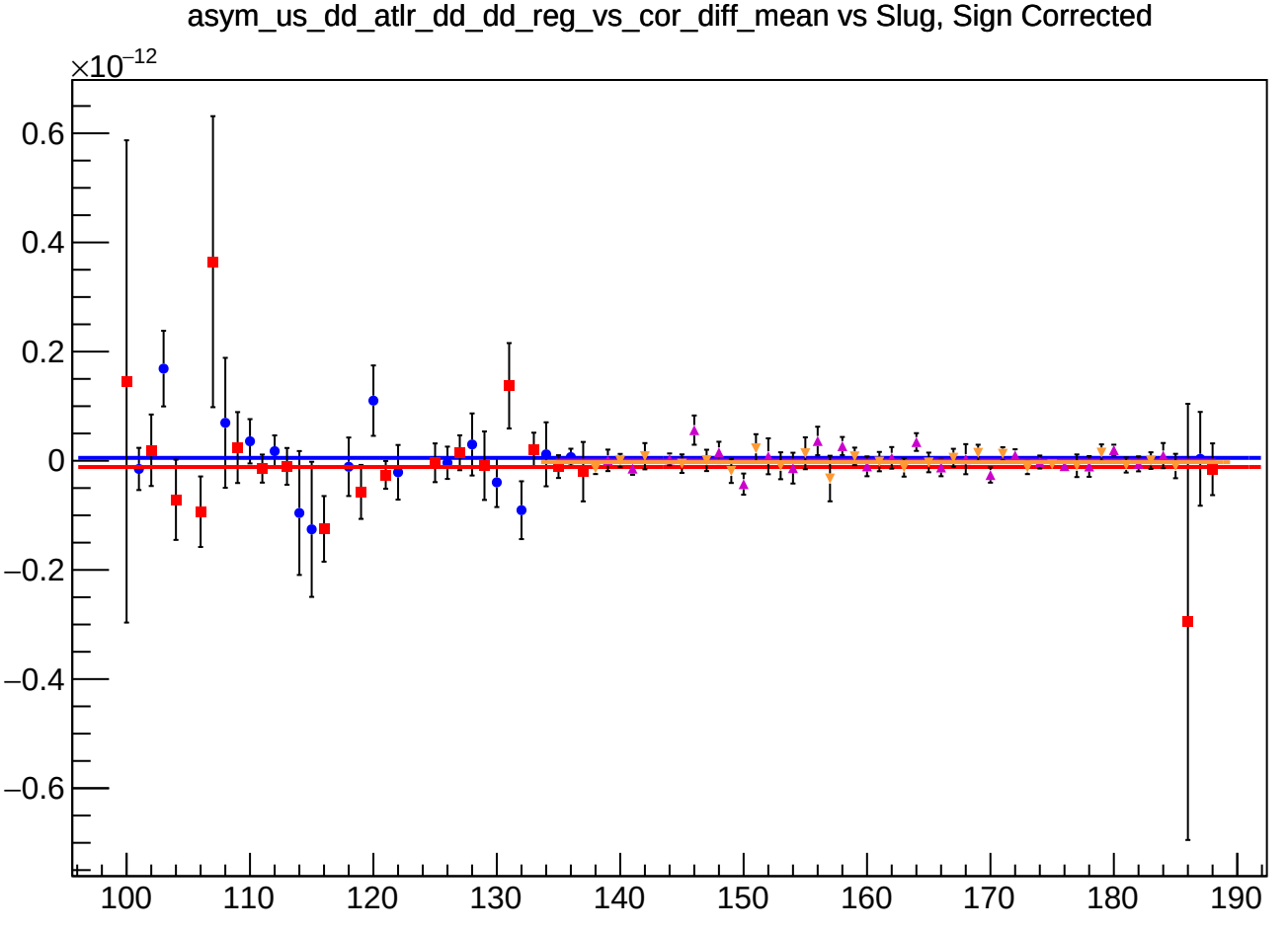
Left: 1180.812+/-0.138 χ^2/NDF: 125088.5/46

Right: 1270.634+/-0.231 χ^2/NDF: 1605522.0/36

In: 1198.618+/-0.169 χ^2/NDF:904760.7/39

Out: 1209.800+/-0.166 χ^2/NDF:935077.1/43

All: 1204.296+/-0.118 χ^2/NDF: 1842073.6/83



Right In: 0.000+/-0.000 χ^2/NDF: 16.4/16

Left Out: -0.000+/-0.000 χ^2/NDF:10.5/23

Right Out: -0.000+/-0.000 χ^2/NDF: 15.6/19

Left In: 0.000+/-0.000 χ^2/NDF:32.5/22

Left: -0.000+/-0.000 χ^2/NDF: 43.4/46

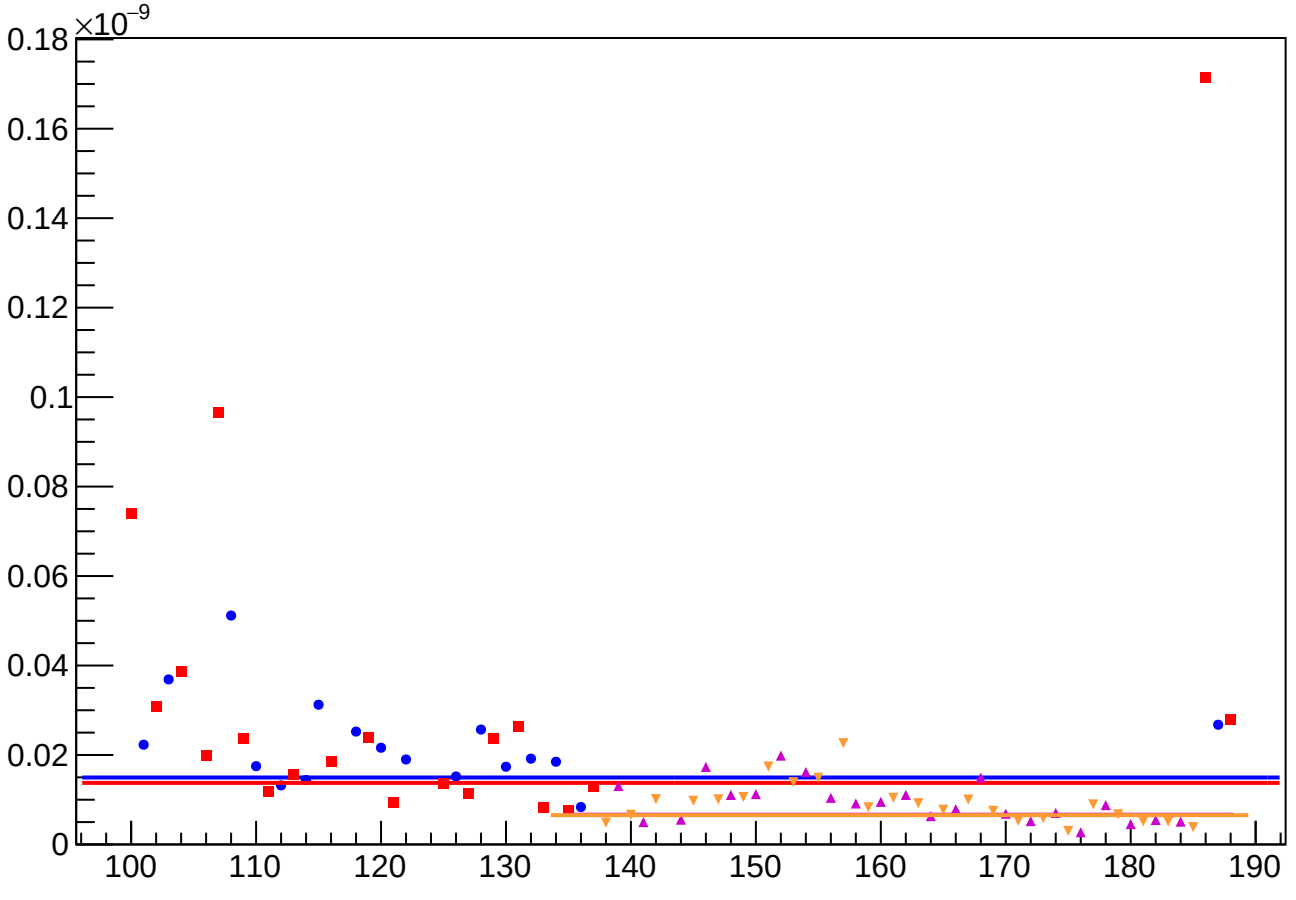
Right: -0.000+/-0.000 χ^2/NDF: 33.5/36

In: 0.000+/-0.000 χ^2/NDF:49.1/39

Out: -0.000+/-0.000 χ^2/NDF:26.9/43

All: -0.000+/-0.000 χ^2/NDF: 77.0/83

asym_us_dd_atlr_dd_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1119624.2/16

Left Out: 0.000+/-0.000 χ^2/NDF:2332749.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 1682628.7/19

Left In: 0.000+/-0.000 χ^2/NDF:2542530.1/22

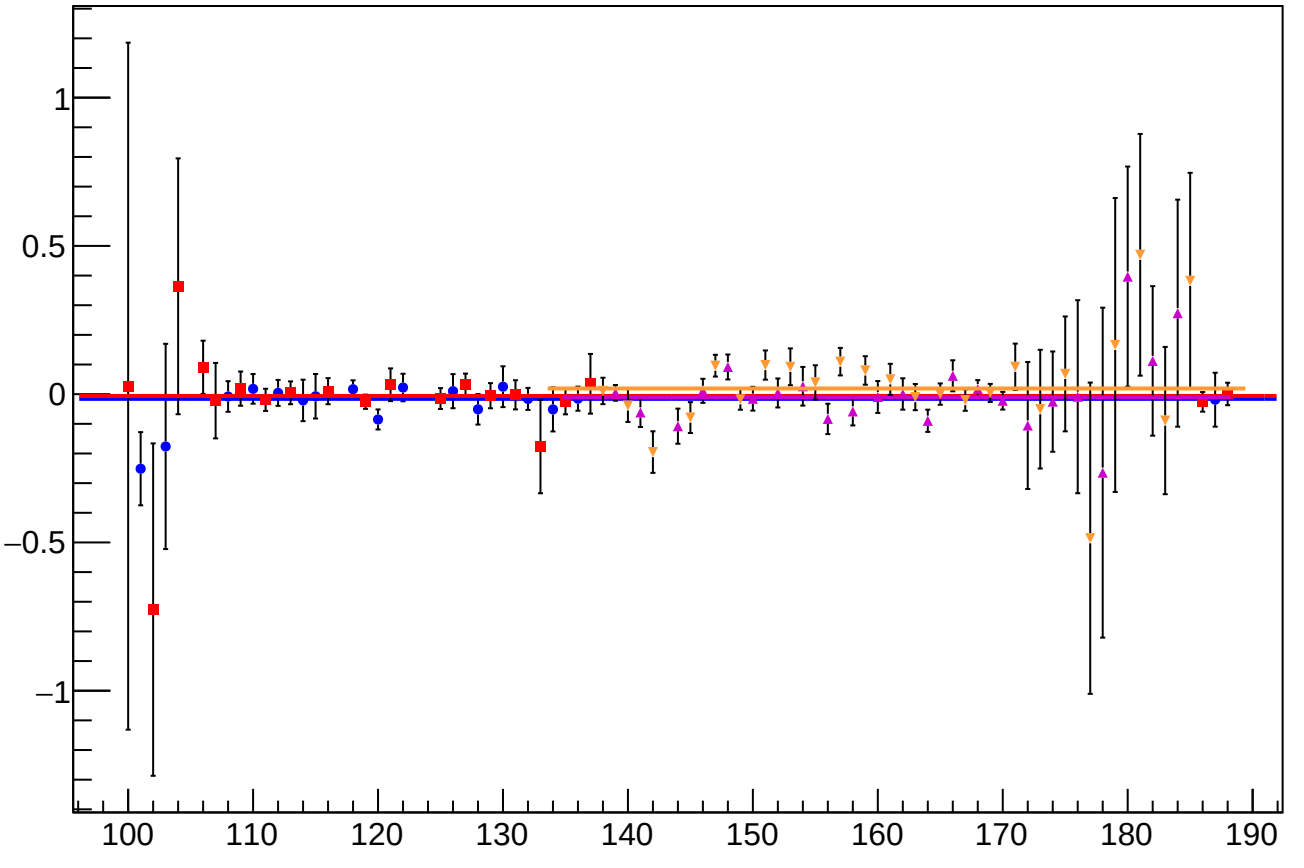
Left: 0.000+/-0.000 χ^2/NDF: 4876422.9/46

Right: 0.000+/-0.000 χ^2/NDF: 2818700.1/36

In: 0.000+/-0.000 χ^2/NDF:5026373.3/39

Out: 0.000+/-0.000 χ^2/NDF:5127587.4/43

All: 0.000+/-0.000 χ^2/NDF: 10157489.0/83



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/16

Left Out: 0.019+/-0.011 χ^2/NDF:35.9/23

Right Out: -0.006+/-0.010 χ^2/NDF: 8.3/19

Left In: -0.010+/-0.010 χ^2/NDF:23.6/22

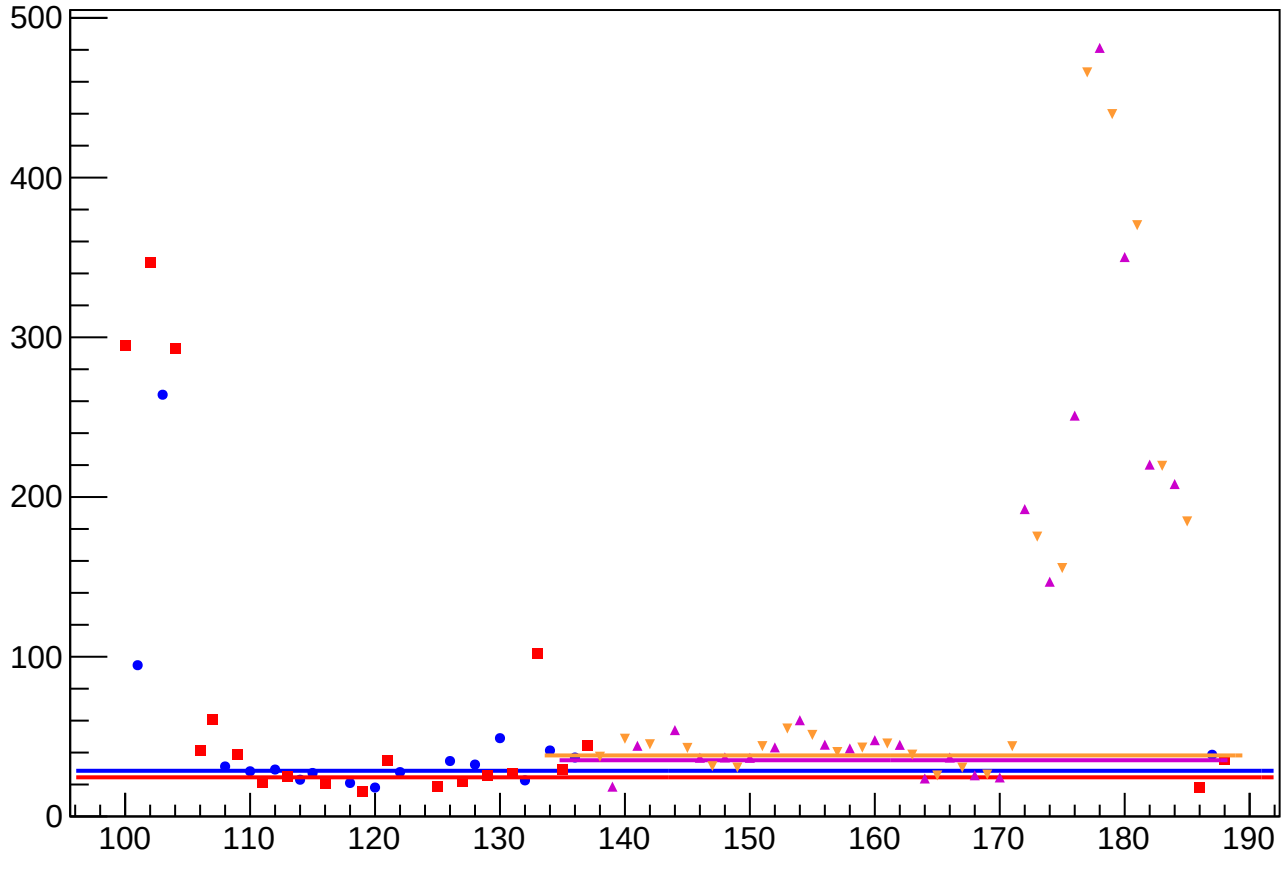
Left: 0.004+/-0.007 χ^2/NDF: 63.5/46

Right: -0.010+/-0.008 χ^2/NDF: 20.5/36

In: -0.013+/-0.008 χ^2/NDF:35.6/39

Out: 0.006+/-0.007 χ^2/NDF:47.0/43

All: -0.003+/-0.005 χ^2/NDF: 85.6/83



Right In: 28.595+/-0.009 χ^2/NDF: 2270442.0/16

Left Out: 38.211+/-0.008 χ^2/NDF:8285024.8/23

Right Out: 24.499+/-0.007 χ^2/NDF: 3176869.4/19

Left In: 35.195+/-0.007 χ^2/NDF:9390926.6/22

Left: 36.625+/-0.005 χ^2/NDF: 17757838.6/46

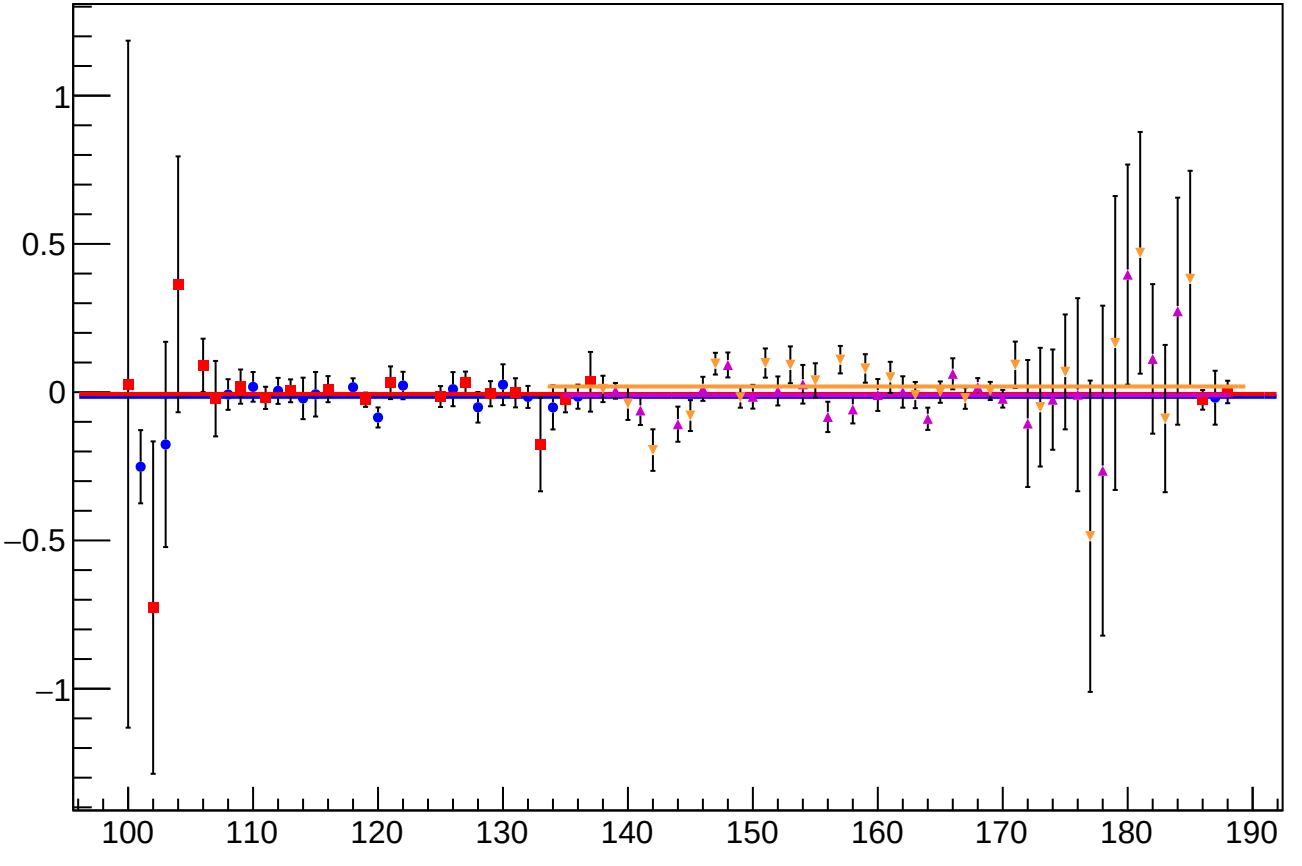
Right: 26.223+/-0.006 χ^2/NDF: 5577927.1/36

In: 32.459+/-0.006 χ^2/NDF:12004291.3/39

Out: 31.090+/-0.005 χ^2/NDF:13133842.7/43

All: 31.742+/-0.004 χ^2/NDF: 25169962.3/83

asym_us_dd_atlr_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/16

Left Out: 0.019+/-0.011 χ^2/NDF:35.9/23

Right Out: -0.006+/-0.010 χ^2/NDF: 8.3/19

Left In: -0.010+/-0.010 χ^2/NDF:23.6/22

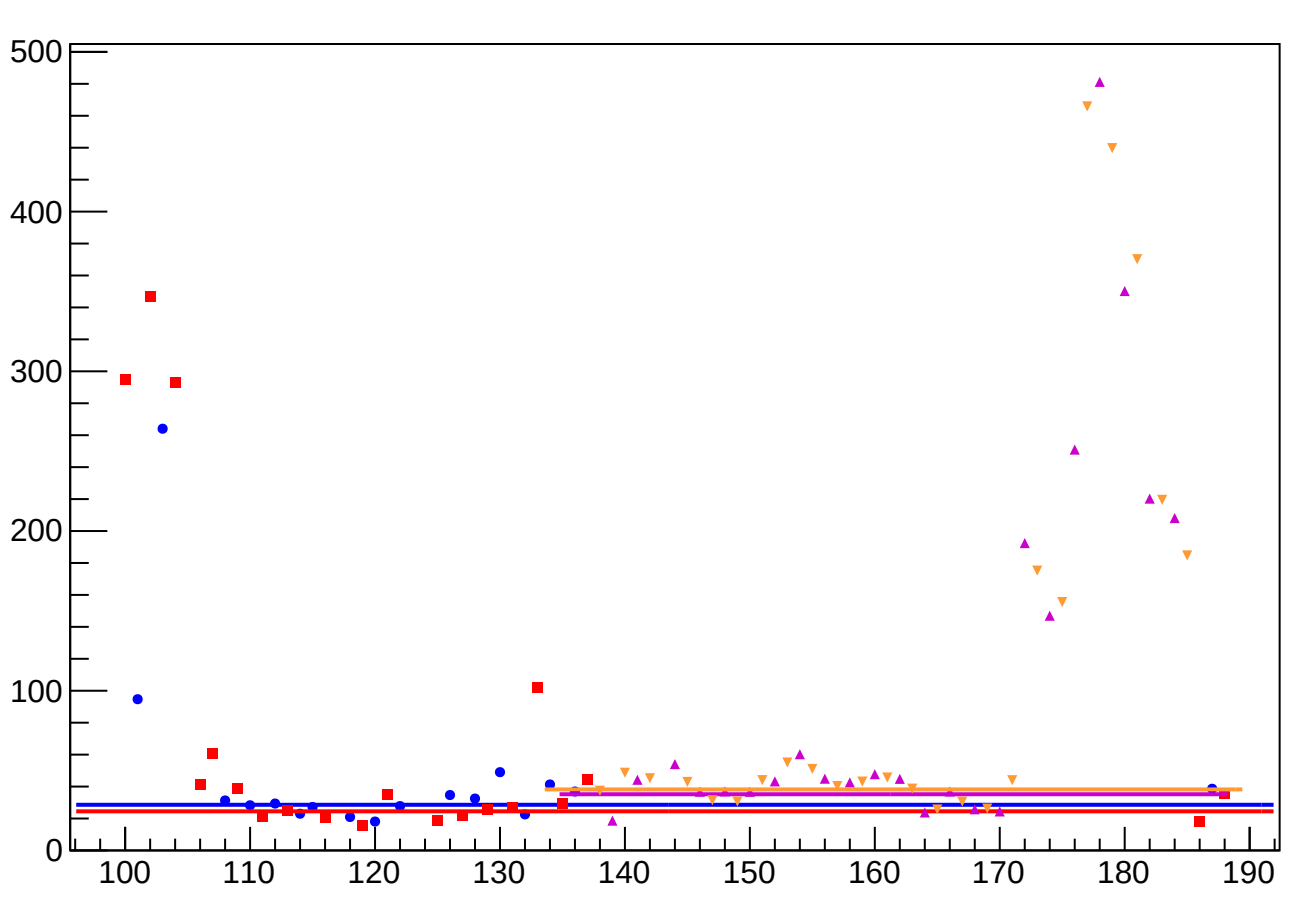
Left: 0.004+/-0.007 χ^2/NDF: 63.5/46

Right: -0.010+/-0.008 χ^2/NDF: 20.5/36

In: -0.013+/-0.008 χ^2/NDF:35.6/39

Out: 0.006+/-0.007 χ^2/NDF:47.0/43

All: -0.003+/-0.005 χ^2/NDF: 85.6/83



Right In: 28.595+/-0.009 χ^2/NDF: 2270442.0/16

Left Out: 38.211+/-0.008 χ^2/NDF:8285024.8/23

Right Out: 24.499+/-0.007 χ^2/NDF: 3176869.4/19

Left In: 35.195+/-0.007 χ^2/NDF:9390926.6/22

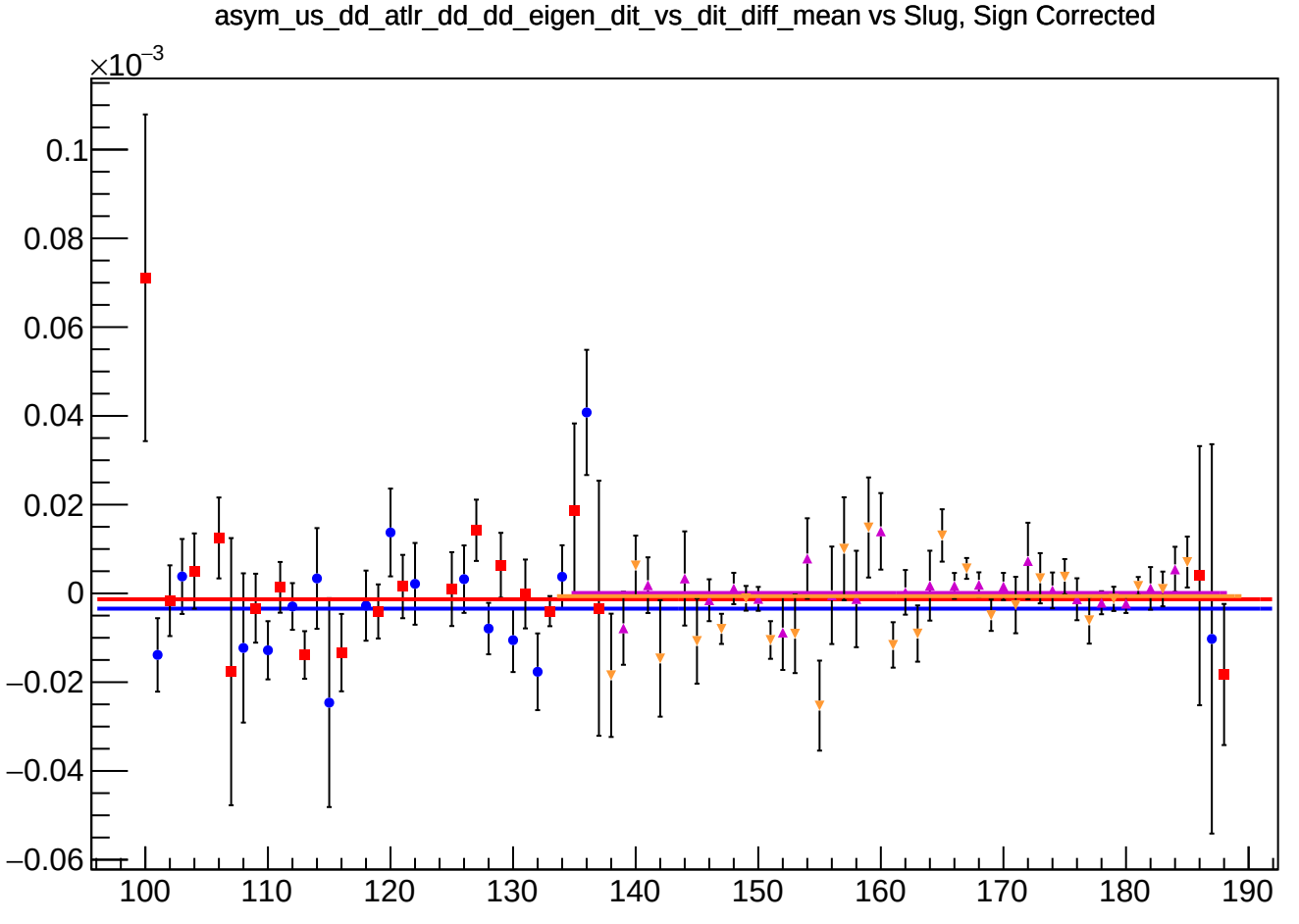
Left: 36.625+/-0.005 χ^2/NDF: 17757838.6/46

Right: 26.223+/-0.006 χ^2/NDF: 5577927.1/36

In: 32.459+/-0.006 χ^2/NDF:12004291.3/39

Out: 31.090+/-0.005 χ^2/NDF:13133842.7/43

All: 31.742+/-0.004 χ^2/NDF: 25169962.3/83



Right In: -0.000+/-0.000 χ^2/NDF: 25.1/16

Left Out: -0.000+/-0.000 χ^2/NDF:51.2/23

Right Out: -0.000+/-0.000 χ^2/NDF: 24.2/19

Left In: 0.000+/-0.000 χ^2/NDF:11.0/22

Left: -0.000+/-0.000 χ^2/NDF: 62.5/46

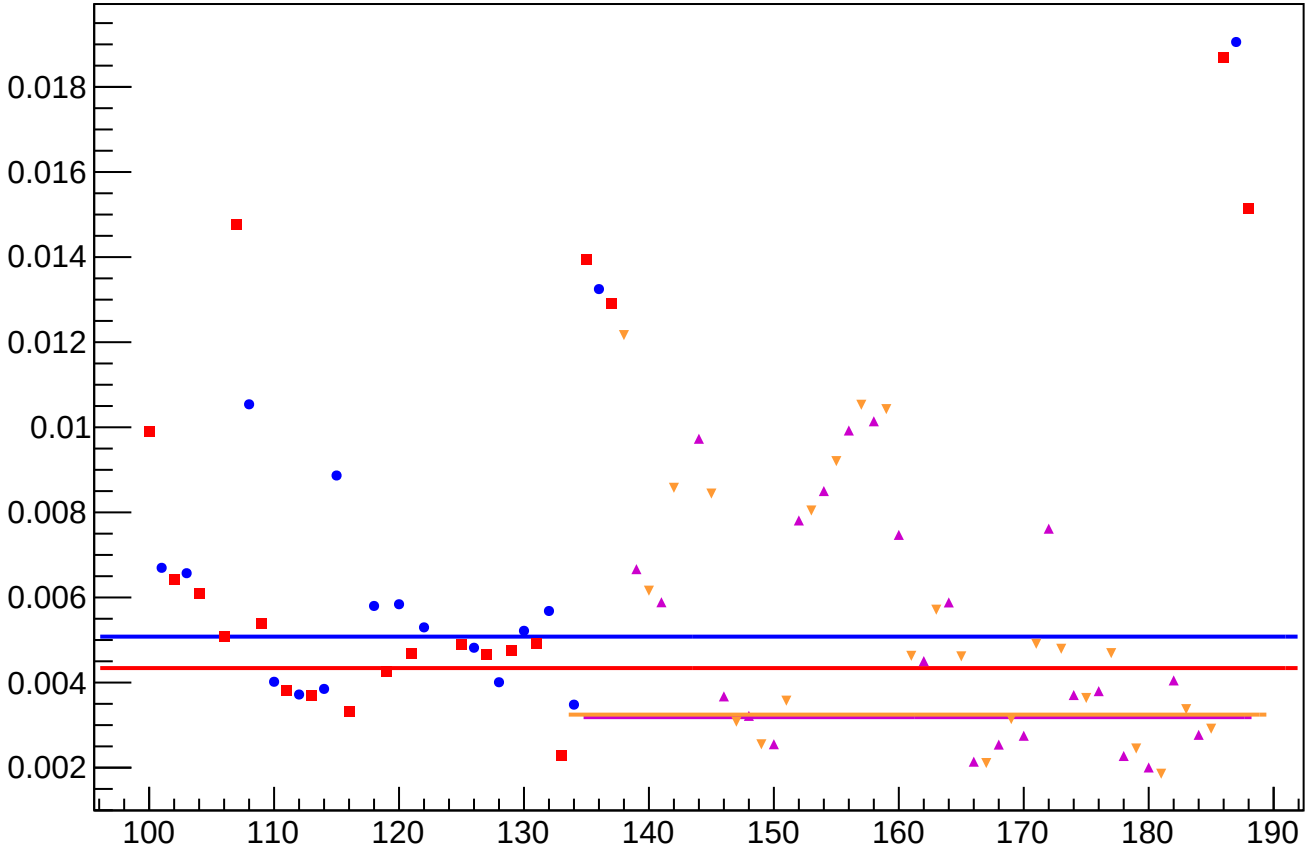
Right: -0.000+/-0.000 χ^2/NDF: 50.0/36

In: -0.000+/-0.000 χ^2/NDF:38.7/39

Out: -0.000+/-0.000 χ^2/NDF:75.5/43

All: -0.000+/-0.000 χ^2/NDF: 114.3/83

asym_us_dd_atlr_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 1697712.7/16

Left Out: 0.003+/-0.000 χ^2/NDF:7736973.1/23

Right Out: 0.004+/-0.000 χ^2/NDF: 3470089.8/19

Left In: 0.003+/-0.000 χ^2/NDF:7301771.9/22

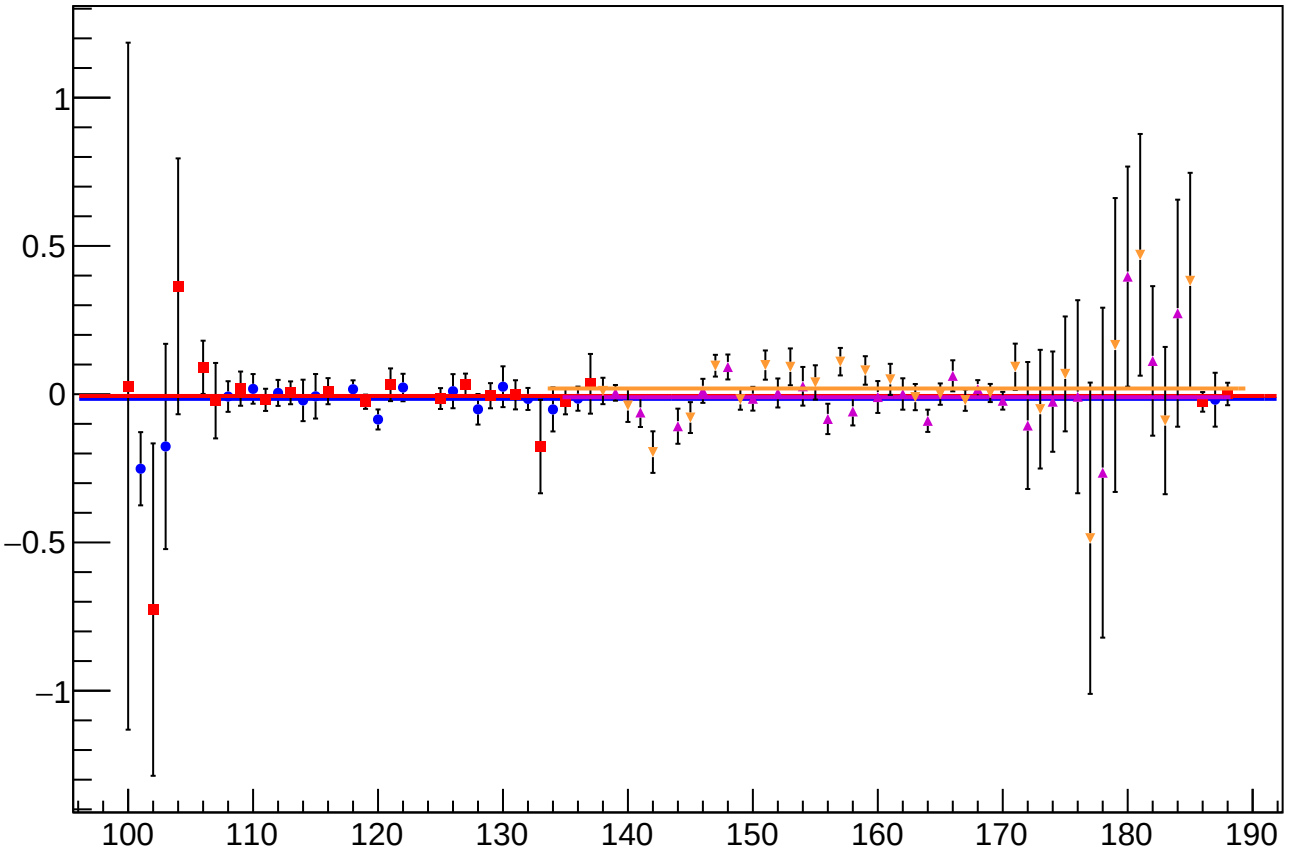
Left: 0.003+/-0.000 χ^2/NDF: 15043467.2/46

Right: 0.005+/-0.000 χ^2/NDF: 5325430.7/36

In: 0.003+/-0.000 χ^2/NDF:10482581.3/39

Out: 0.003+/-0.000 χ^2/NDF:11873305.6/43

All: 0.003+/-0.000 χ^2/NDF: 22355896.9/83



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/16

Left Out: 0.019+/-0.011 χ^2/NDF:35.9/23

Right Out: -0.006+/-0.010 χ^2/NDF: 8.3/19

Left In: -0.010+/-0.010 χ^2/NDF:23.6/22

Left: 0.004+/-0.007 χ^2/NDF: 63.5/46

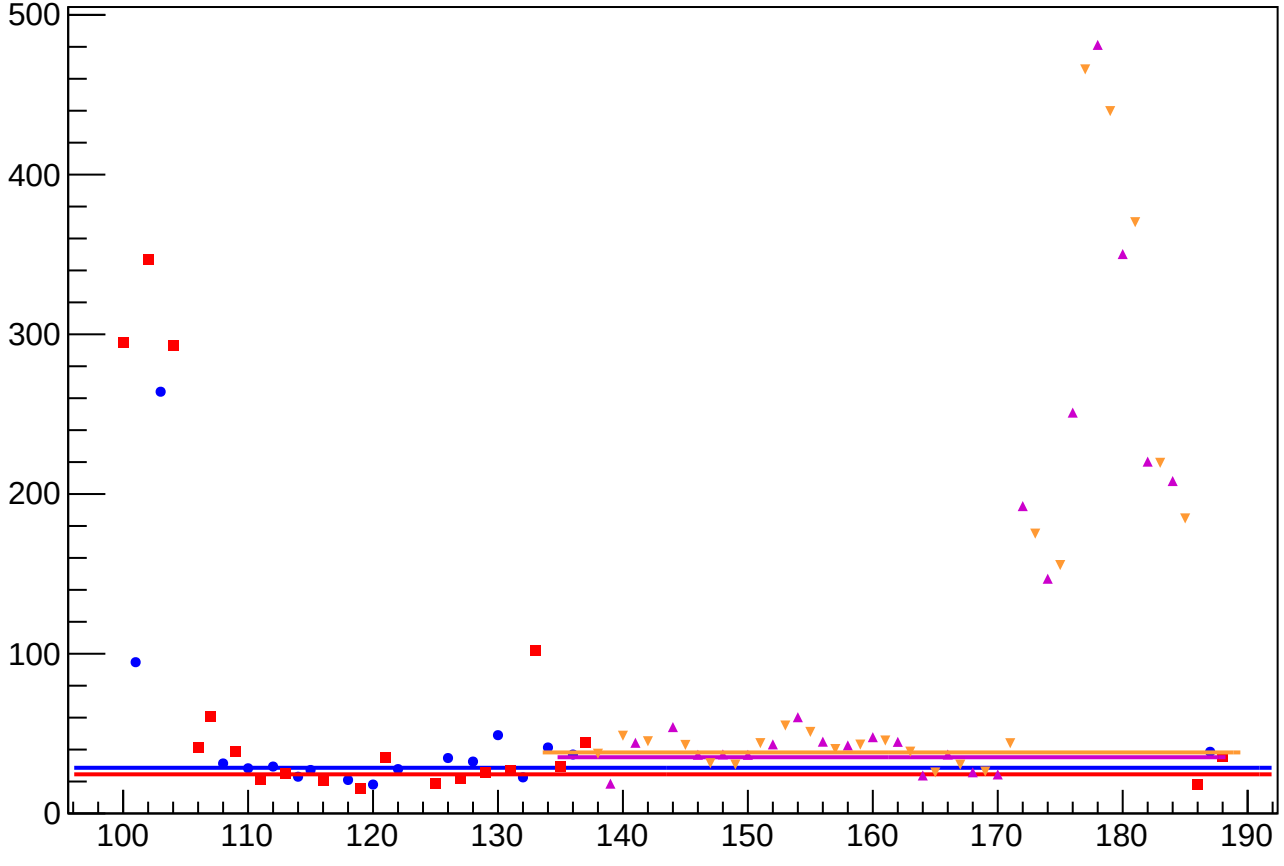
Right: -0.010+/-0.008 χ^2/NDF: 20.5/36

In: -0.013+/-0.008 χ^2/NDF:35.6/39

Out: 0.006+/-0.007 χ^2/NDF:47.0/43

All: -0.003+/-0.005 χ^2/NDF: 85.6/83

asym_us_dd_atlr_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 28.595+/-0.009 χ^2/NDF: 2270420.7/16

Left Out: 38.210+/-0.008 χ^2/NDF:8285200.7/23

Right Out: 24.497+/-0.007 χ^2/NDF: 3177088.9/19

Left In: 35.195+/-0.007 χ^2/NDF:9391361.4/22

Left: 36.625+/-0.005 χ^2/NDF: 17758448.1/46

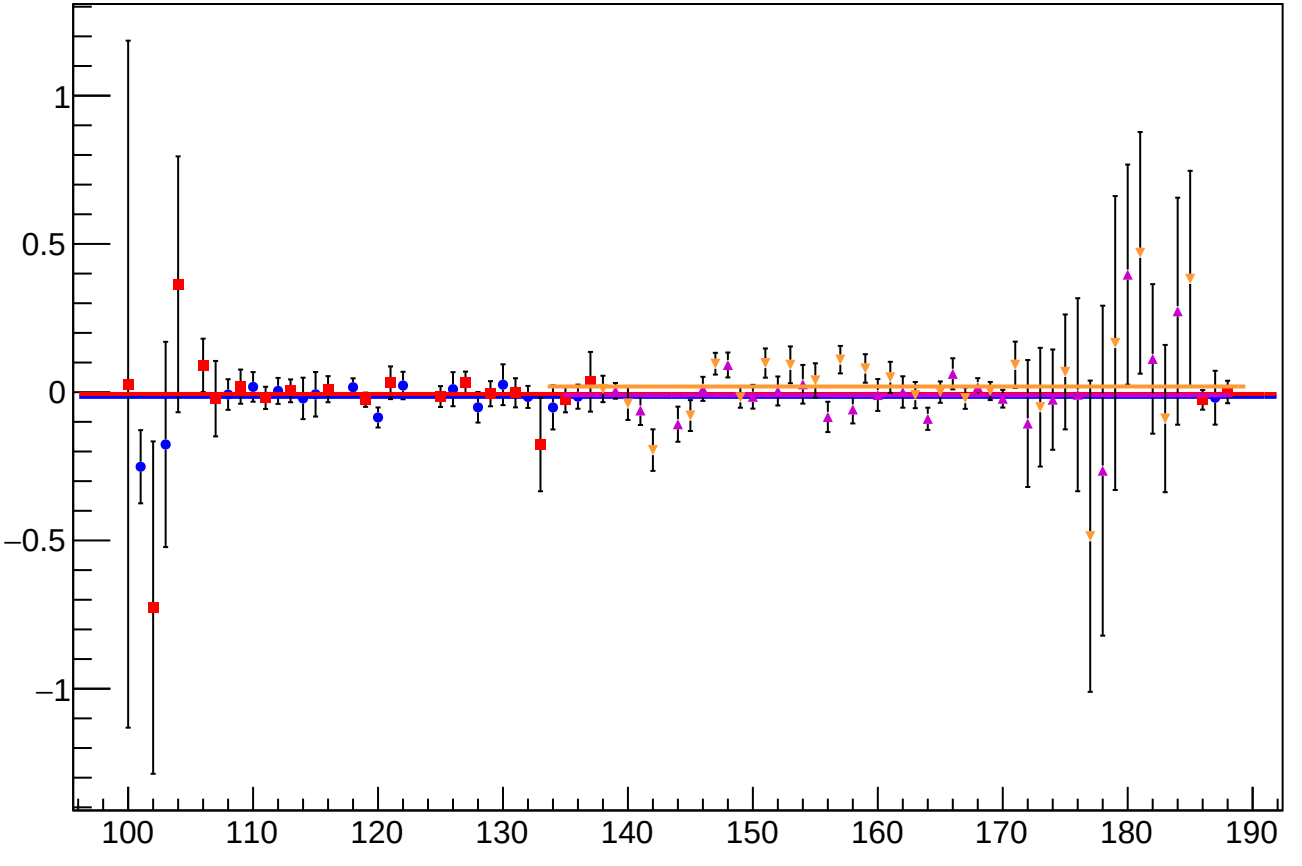
Right: 26.222+/-0.006 χ^2/NDF: 5578255.1/36

In: 32.459+/-0.006 χ^2/NDF:12004688.4/39

Out: 31.088+/-0.005 χ^2/NDF:13134753.2/43

All: 31.741+/-0.004 χ^2/NDF: 25171335.4/83

asym_us_dd_atlr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/16

Left Out: 0.019+/-0.011 χ^2/NDF:35.9/23

Right Out: -0.006+/-0.010 χ^2/NDF: 8.3/19

Left In: -0.010+/-0.010 χ^2/NDF:23.6/22

Left: 0.004+/-0.007 χ^2/NDF: 63.5/46

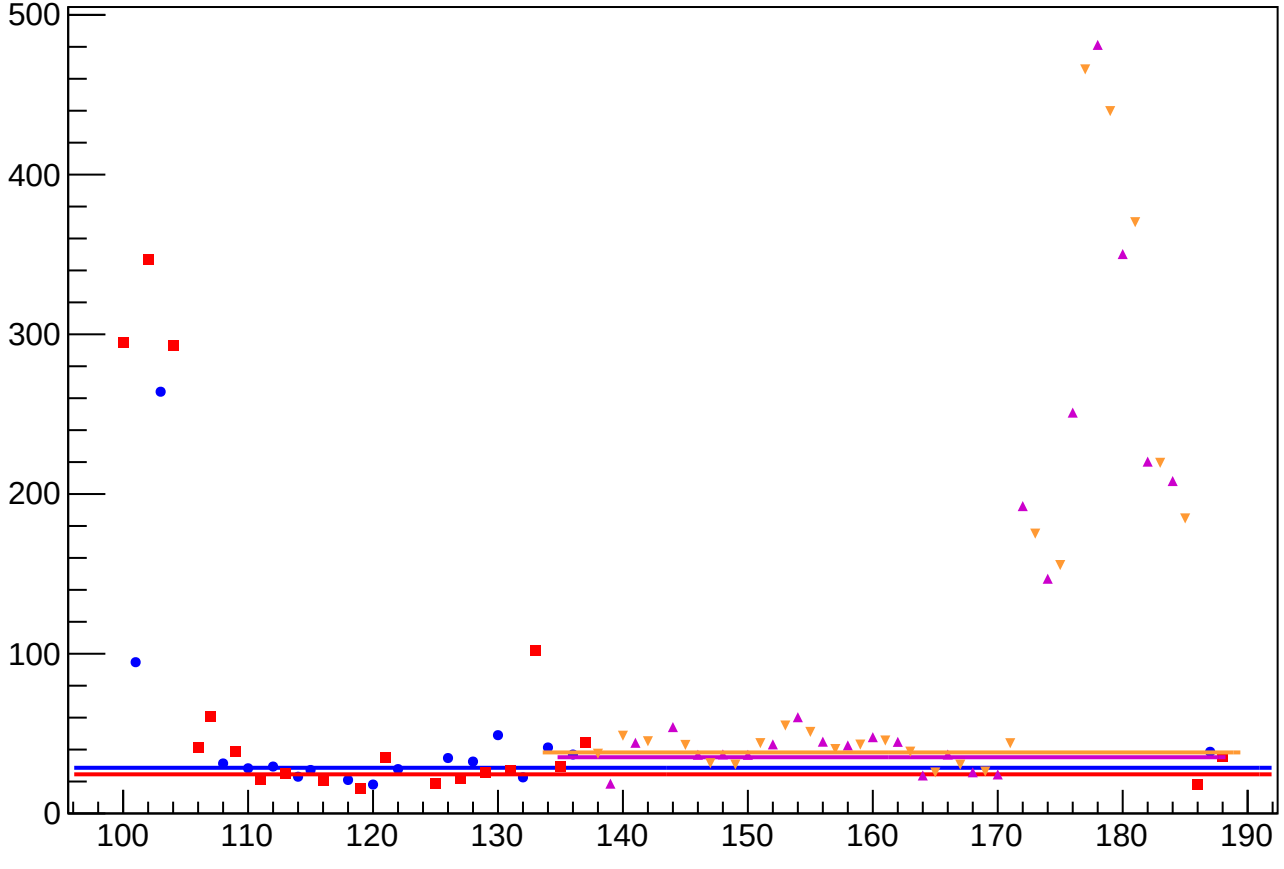
Right: -0.010+/-0.008 χ^2/NDF: 20.5/36

In: -0.013+/-0.008 χ^2/NDF:35.6/39

Out: 0.006+/-0.007 χ^2/NDF:47.0/43

All: -0.003+/-0.005 χ^2/NDF: 85.6/83

asym_us_dd_atlr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 28.595+/-0.009 χ^2/NDF: 2270420.7/16

Left Out: 38.210+/-0.008 χ^2/NDF:8285200.7/23

Right Out: 24.497+/-0.007 χ^2/NDF: 3177088.9/19

Left In: 35.195+/-0.007 χ^2/NDF:9391361.4/22

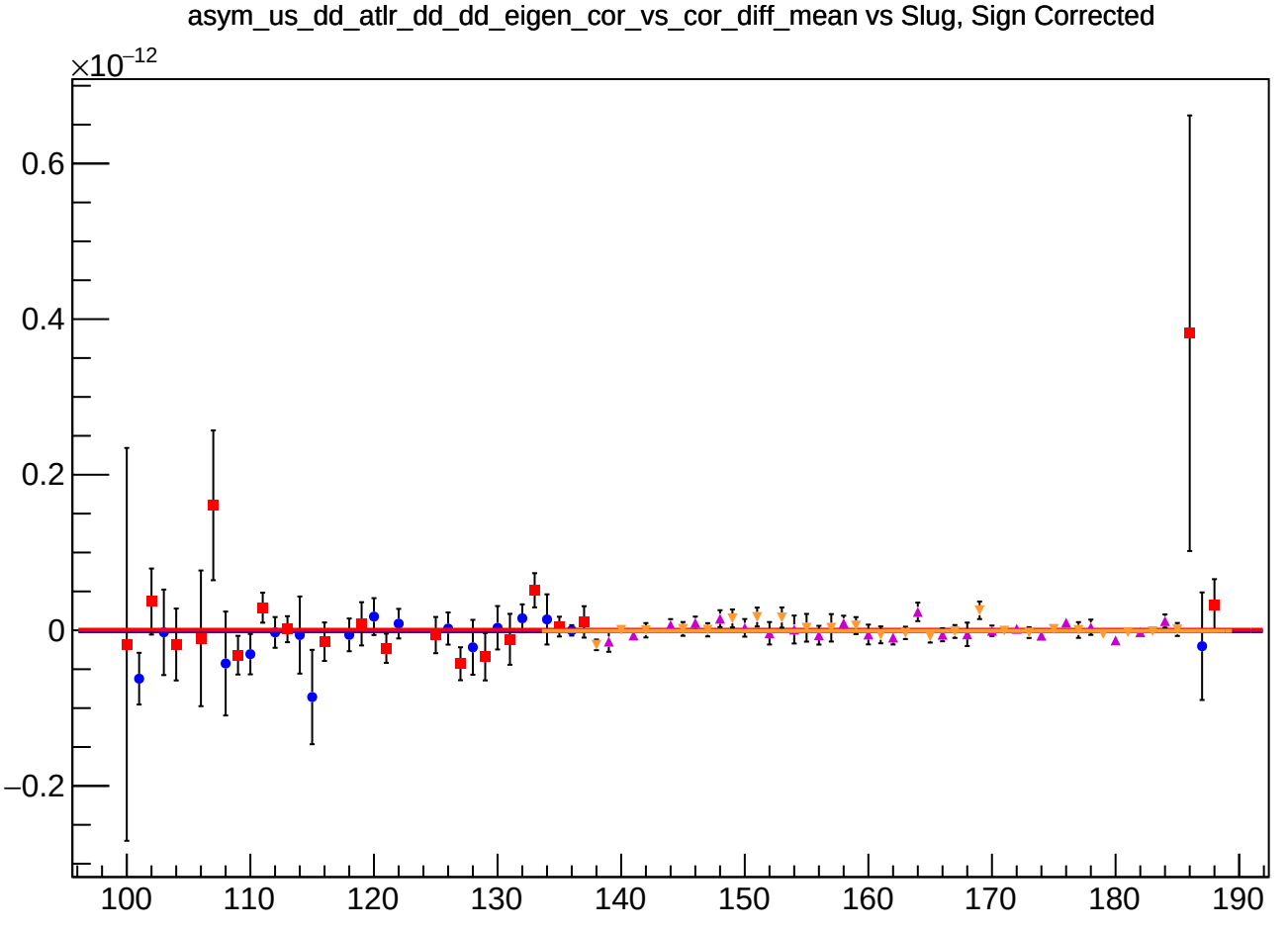
Left: 36.625+/-0.005 χ^2/NDF: 17758448.1/46

Right: 26.222+/-0.006 χ^2/NDF: 5578255.1/36

In: 32.459+/-0.006 χ^2/NDF:12004688.4/39

Out: 31.088+/-0.005 χ^2/NDF:13134753.2/43

All: 31.741+/-0.004 χ^2/NDF: 25171335.4/83



Right In: -0.000+/-0.000 χ^2/NDF: 9.5/16

Left Out: -0.000+/-0.000 χ^2/NDF:21.1/23

Right Out: 0.000+/-0.000 χ^2/NDF: 23.9/19

Left In: -0.000+/-0.000 χ^2/NDF:26.2/22

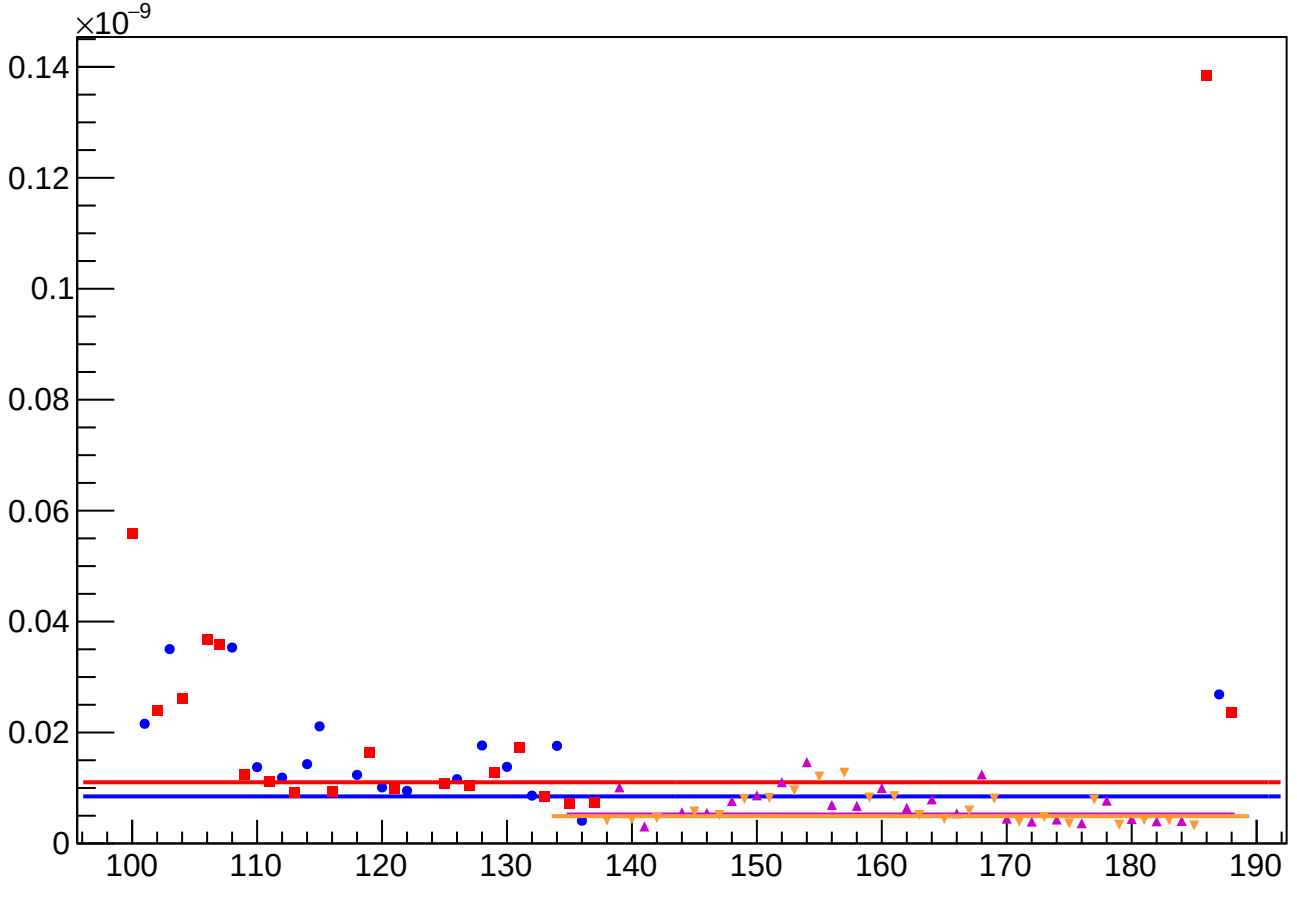
Left: -0.000+/-0.000 χ^2/NDF: 47.4/46

Right: -0.000+/-0.000 χ^2/NDF: 33.5/36

In: -0.000+/-0.000 χ^2/NDF:35.8/39

Out: -0.000+/-0.000 χ^2/NDF:45.1/43

All: -0.000+/-0.000 χ^2/NDF: 80.9/83



Right In: 0.000+/-0.000 χ^2/NDF: 2852166.9/16

Left Out: 0.000+/-0.000 χ^2/NDF:2632036.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 1952833.4/19

Left In: 0.000+/-0.000 χ^2/NDF:3449719.7/22

Left: 0.000+/-0.000 χ^2/NDF: 6113497.8/46

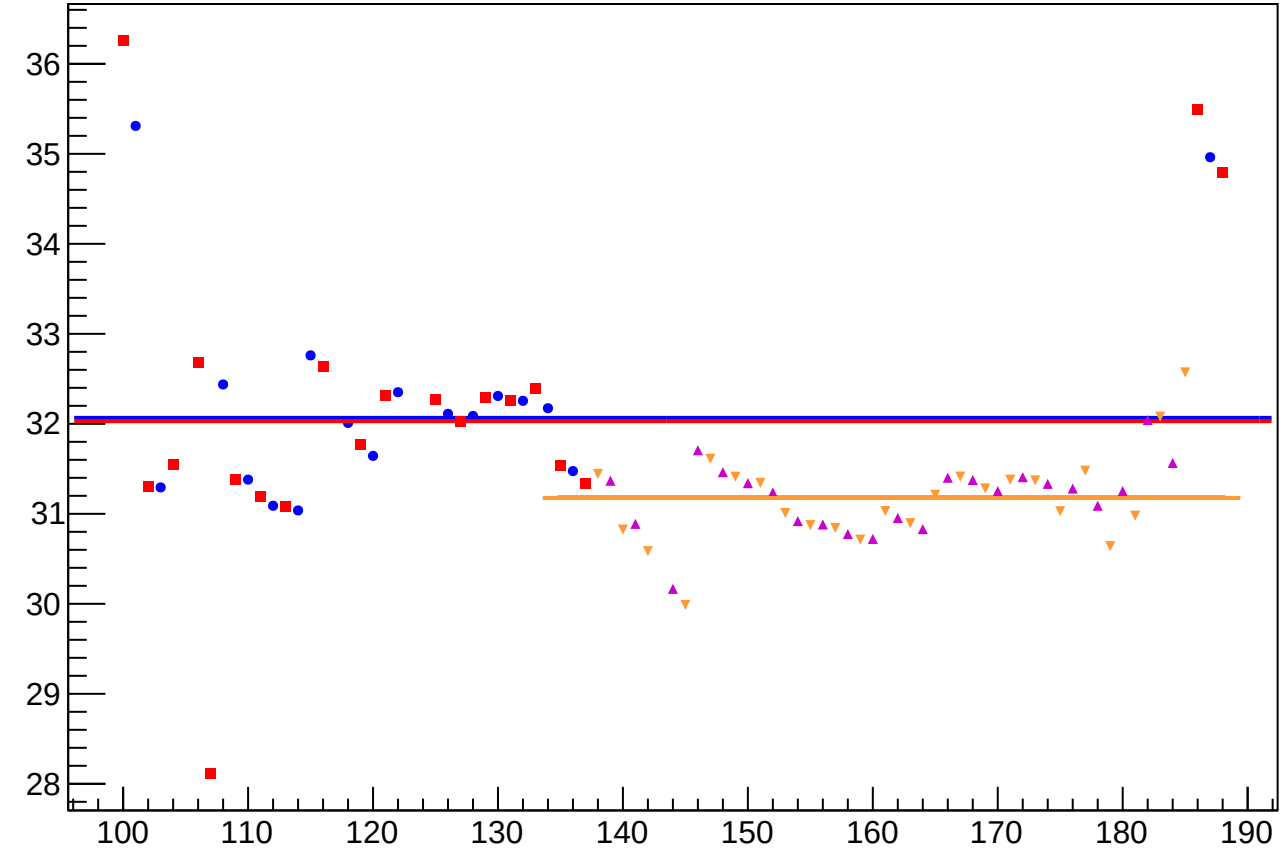
Right: 0.000+/-0.000 χ^2/NDF: 5048437.4/36

In: 0.000+/-0.000 χ^2/NDF:7140081.8/39

Out: 0.000+/-0.000 χ^2/NDF:6832918.4/43

All: 0.000+/-0.000 χ^2/NDF: 13986493.2/83

yield_usl_mean vs Slug, Sign Corrected



Right In: 32.066+/-0.000 χ^2/NDF: 972692985.5/16

Left Out: 31.176+/-0.000 χ^2/NDF:529824418.6/23

Right Out: 32.030+/-0.000 χ^2/NDF: 1113859072.3/19

Left In: 31.181+/-0.000 χ^2/NDF:376263410.1/22

Left: 31.178+/-0.000 χ^2/NDF: 906123108.5/46

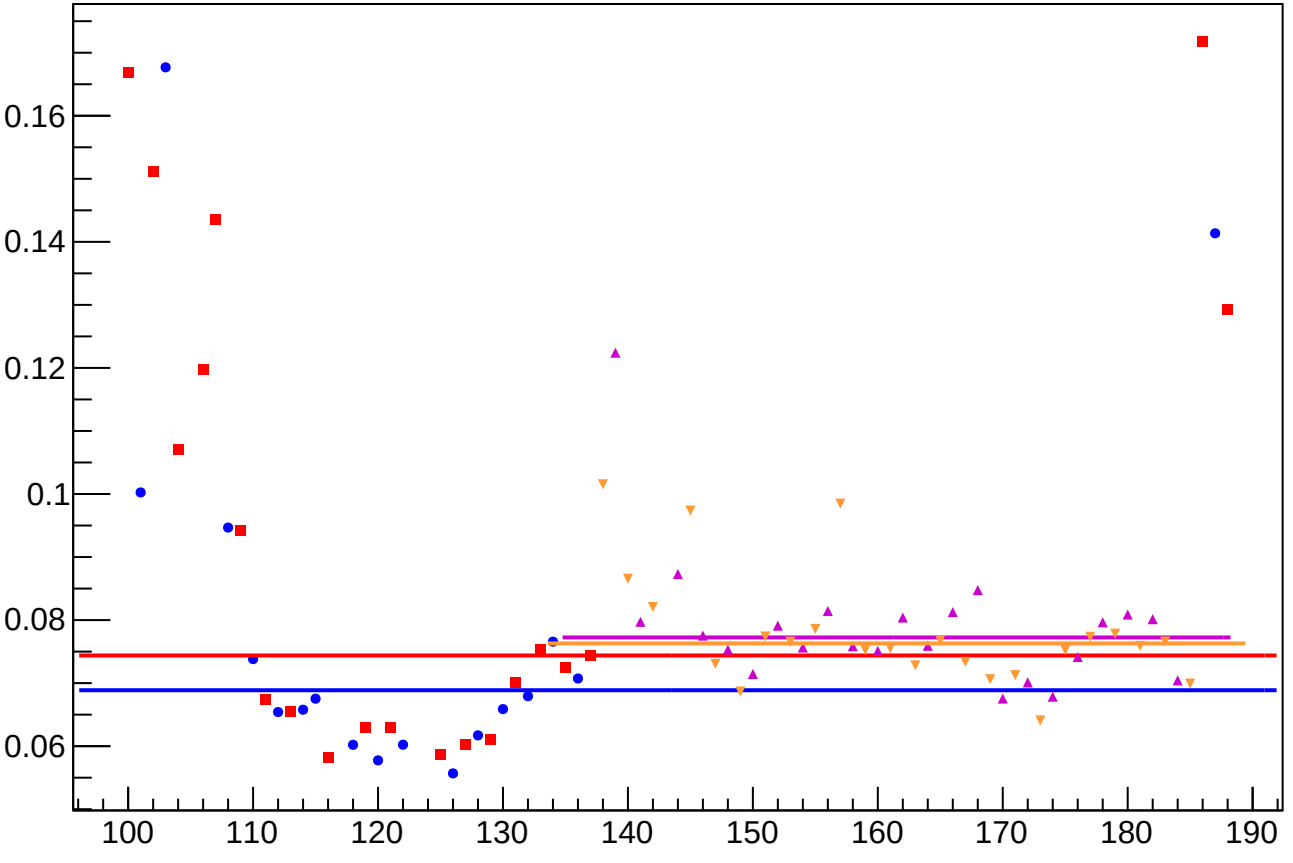
Right: 32.048+/-0.000 χ^2/NDF: 2087436863.6/36

In: 31.470+/-0.000 χ^2/NDF:2058867939.0/39

Out: 31.443+/-0.000 χ^2/NDF:2300207501.3/43

All: 31.457+/-0.000 χ^2/NDF: 4360619690.9/8

yield_usl_rms vs Slug, Sign Corrected



Right In: 0.069+/-0.000 χ^2/NDF: 795997.6/16

Left Out: 0.076+/-0.000 χ^2/NDF:356697.3/23

Right Out: 0.074+/-0.000 χ^2/NDF: 1497051.7/19

Left In: 0.077+/-0.000 χ^2/NDF:365206.5/22

Left: 0.077+/-0.000 χ^2/NDF: 724458.6/46

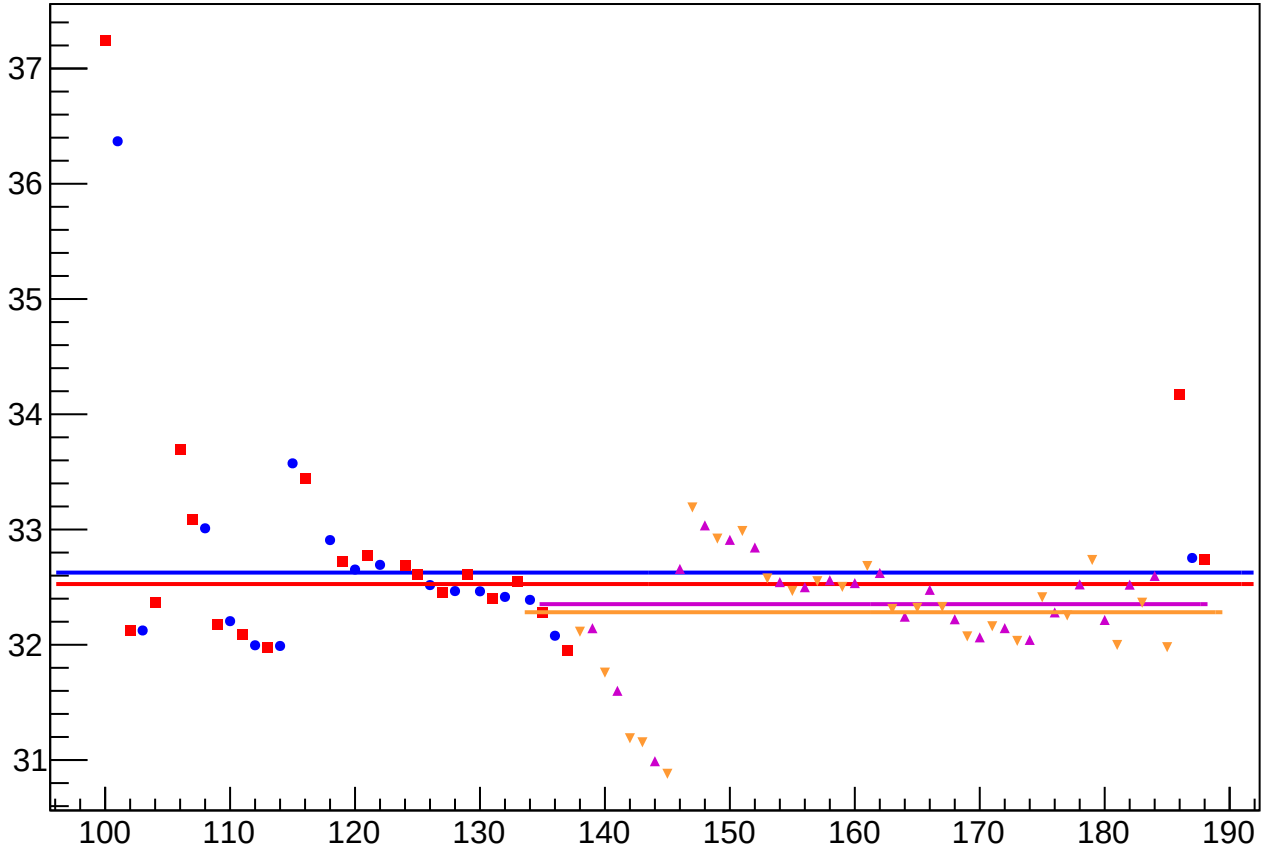
Right: 0.072+/-0.000 χ^2/NDF: 2333422.9/36

In: 0.075+/-0.000 χ^2/NDF:1288251.0/39

Out: 0.076+/-0.000 χ^2/NDF:1860316.8/43

All: 0.075+/-0.000 χ^2/NDF: 3154439.8/83

yield_usr_mean vs Slug, Sign Corrected



Right In: 32.626+/-0.000 χ^2/NDF: 739280908.1/16

Left Out: 32.282+/-0.000 χ^2/NDF:838959313.2/24

Right Out: 32.527+/-0.000 χ^2/NDF: 214677154.6/20

Left In: 32.353+/-0.000 χ^2/NDF:589893462.0/22

Left: 32.317+/-0.000 χ^2/NDF: 1436074258.4/47

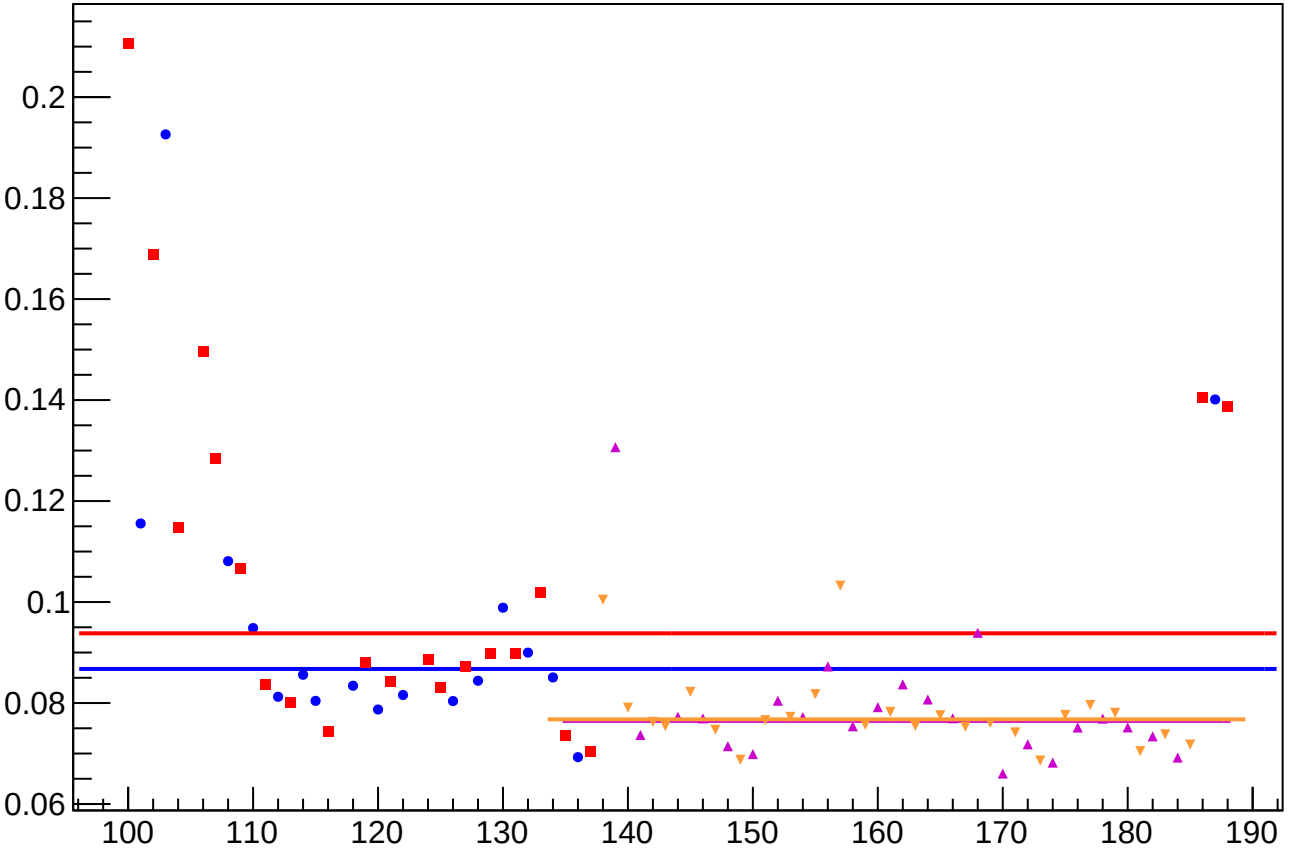
Right: 32.576+/-0.000 χ^2/NDF: 958187926.8/37

In: 32.415+/-0.000 χ^2/NDF:1378508808.0/39

Out: 32.337+/-0.000 χ^2/NDF:1093566256.5/45

All: 32.375+/-0.000 χ^2/NDF: 2483702104.6/8

yield_usr_rms vs Slug, Sign Corrected



Right In: 0.087+/-0.000 χ^2/NDF: 648221.6/16

Left Out: 0.077+/-0.000 χ^2/NDF:250795.7/24

Right Out: 0.094+/-0.000 χ^2/NDF: 912600.6/20

Left In: 0.076+/-0.000 χ^2/NDF:482593.3/22

Left: 0.077+/-0.000 χ^2/NDF: 733655.0/47

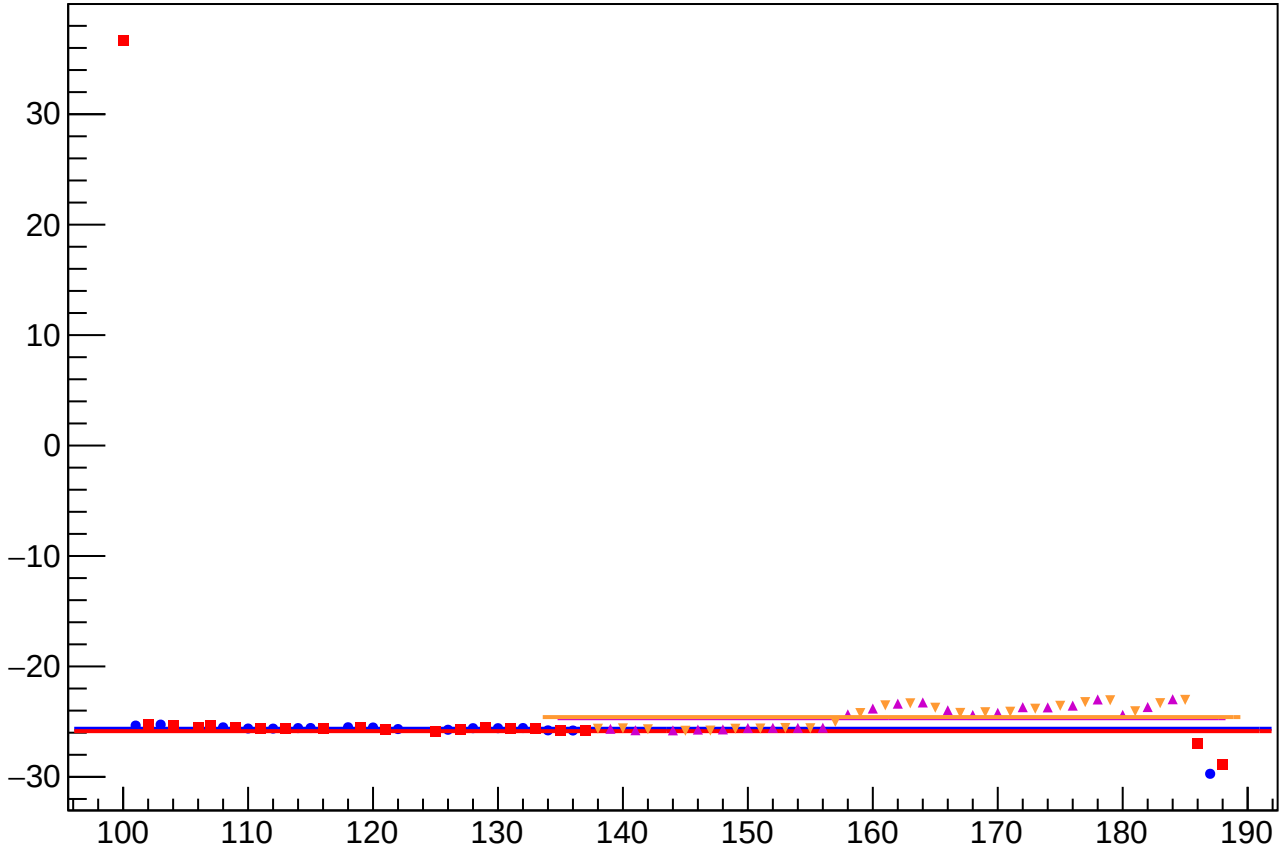
Right: 0.090+/-0.000 χ^2/NDF: 1603479.1/37

In: 0.079+/-0.000 χ^2/NDF:1269949.7/39

Out: 0.081+/-0.000 χ^2/NDF:1551215.8/45

All: 0.080+/-0.000 χ^2/NDF: 2832696.6/85

yield_dsl_mean vs Slug, Sign Corrected



Right In: -25.643+/-0.000 χ^2/NDF: 1192574263.1/16

Left Out: -24.587+/-0.000 χ^2/NDF:9182387434.6/23

Right Out: -25.860+/-0.000 χ^2/NDF: 12831877194.3/19

Left In: -24.689+/-0.000 χ^2/NDF:8820957974.3/22

Left: -24.638+/-0.000 χ^2/NDF: 18048773381.1/46

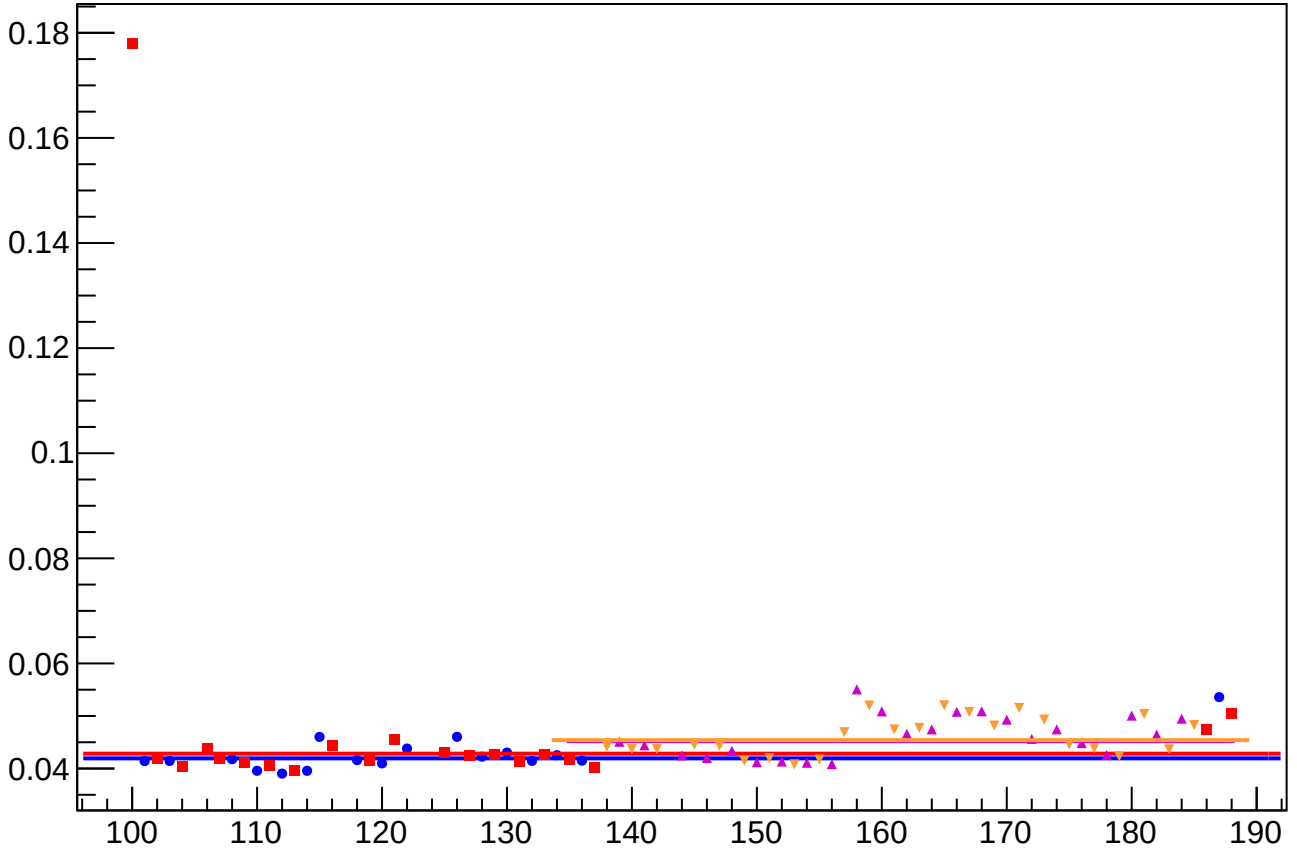
Right: -25.758+/-0.000 χ^2/NDF: 14127936173.6/36

In: -24.998+/-0.000 χ^2/NDF:12584551419.3/39

Out: -25.031+/-0.000 χ^2/NDF:26944232850.8/43

All: -25.015+/-0.000 χ^2/NDF: 39535759391.0

yield_dsl_rms vs Slug, Sign Corrected



Right In: 0.042+/-0.000 χ^2/NDF: 38624.9/16

Left Out: 0.045+/-0.000 χ^2/NDF:205535.7/23

Right Out: 0.043+/-0.000 χ^2/NDF: 158510.1/19

Left In: 0.045+/-0.000 χ^2/NDF:244675.5/22

Left: 0.045+/-0.000 χ^2/NDF: 450560.0/46

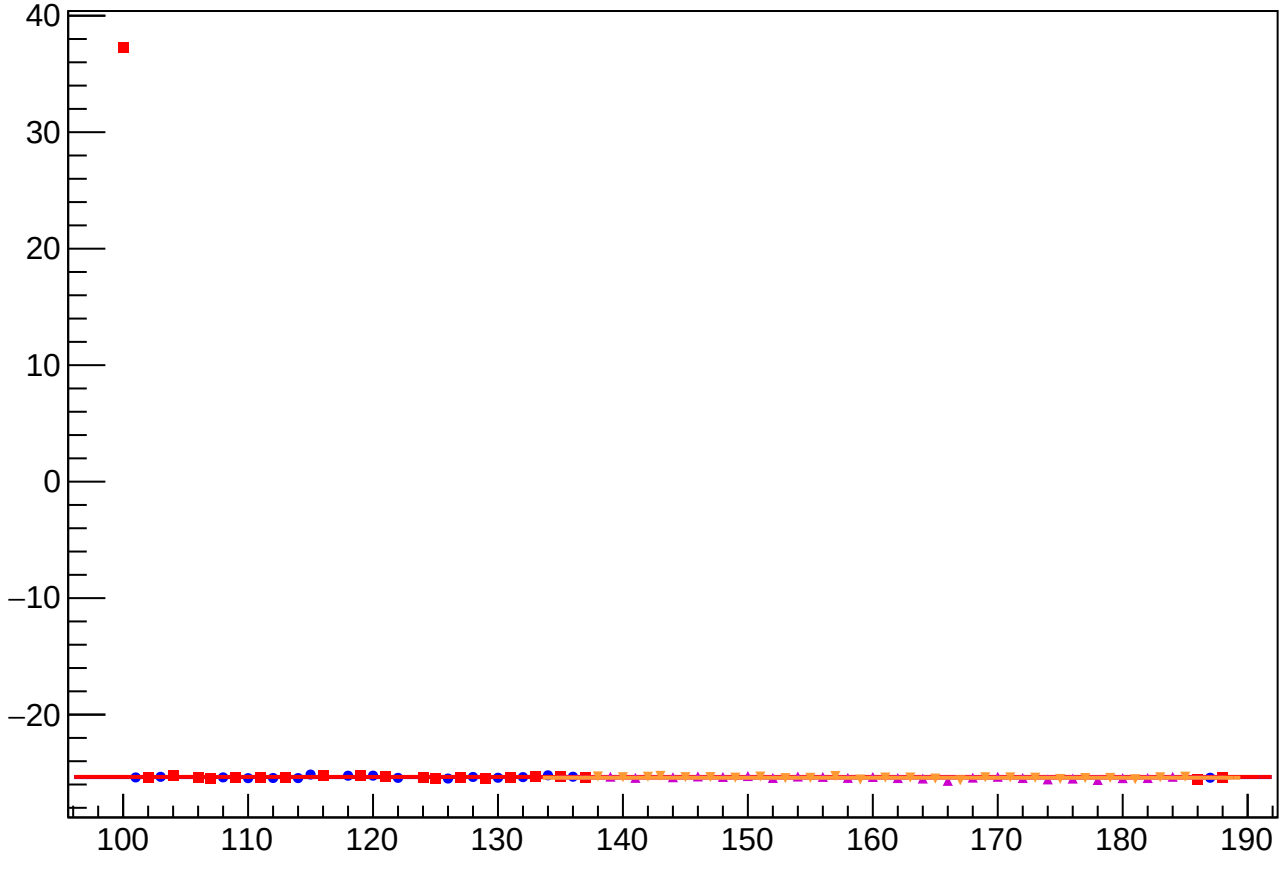
Right: 0.042+/-0.000 χ^2/NDF: 200640.9/36

In: 0.044+/-0.000 χ^2/NDF:343764.2/39

Out: 0.045+/-0.000 χ^2/NDF:404565.3/43

All: 0.044+/-0.000 χ^2/NDF: 750036.1/83

yield_dsr_mean vs Slug, Sign Corrected



Right In: -25.363+/-0.000 χ^2/NDF: 13566993.9/16

Left Out: -25.417+/-0.000 χ^2/NDF:52213098.9/24

Right Out: -25.348+/-0.000 χ^2/NDF: 6324307734.6/20

Left In: -25.414+/-0.000 χ^2/NDF:55851916.1/22

Left: -25.416+/-0.000 χ^2/NDF: 108085070.9/47

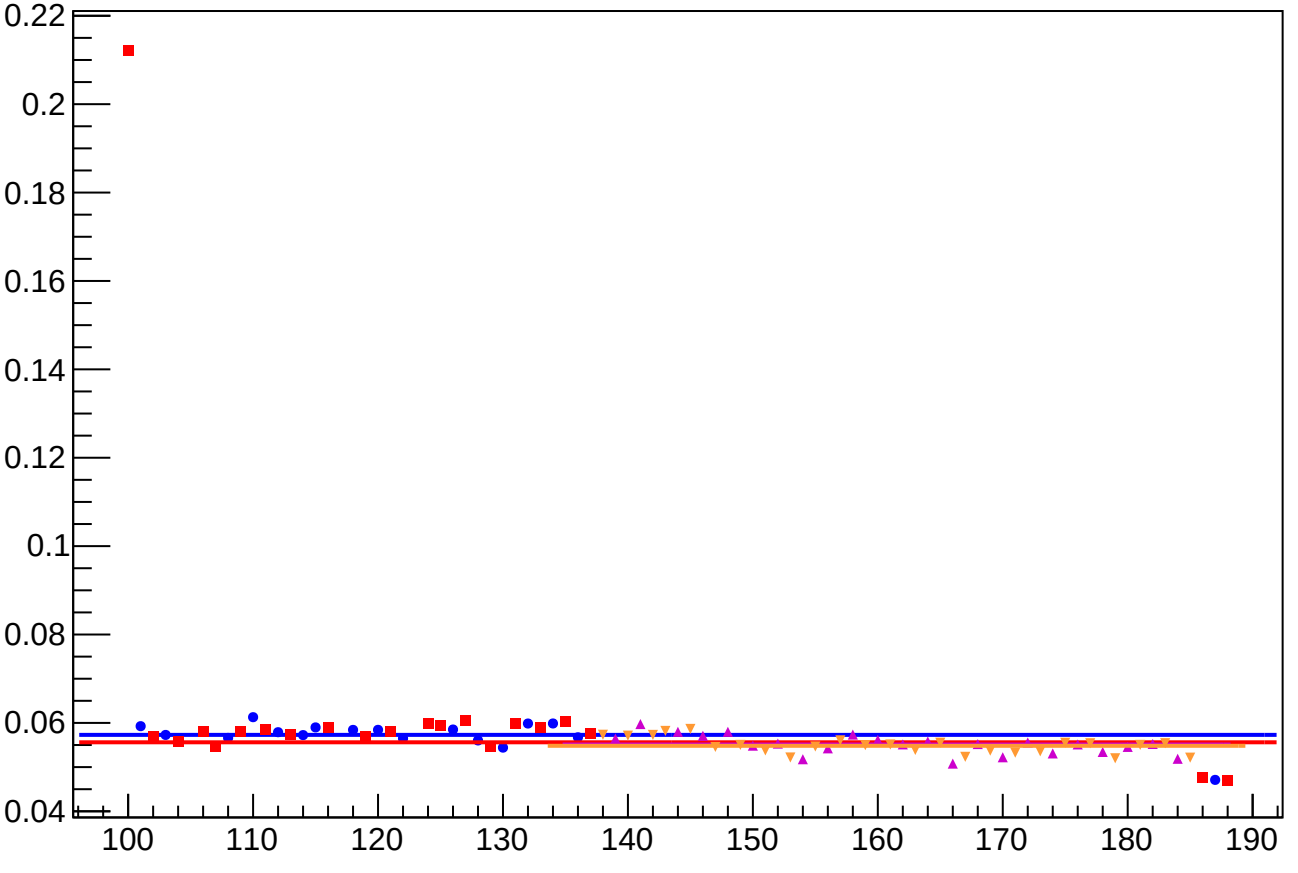
Right: -25.354+/-0.000 χ^2/NDF: 6338144160.8/37

In: -25.400+/-0.000 χ^2/NDF:73666490.9/39

Out: -25.396+/-0.000 χ^2/NDF:6385654936.4/45

All: -25.398+/-0.000 χ^2/NDF: 6459410189.7/

yield_dsr_rms vs Slug, Sign Corrected



Right In: 0.057+/-0.000 χ^2/NDF: 29878.4/16

Left Out: 0.055+/-0.000 χ^2/NDF:38095.1/24

Right Out: 0.056+/-0.000 χ^2/NDF: 199764.1/20

Left In: 0.055+/-0.000 χ^2/NDF:51531.3/22

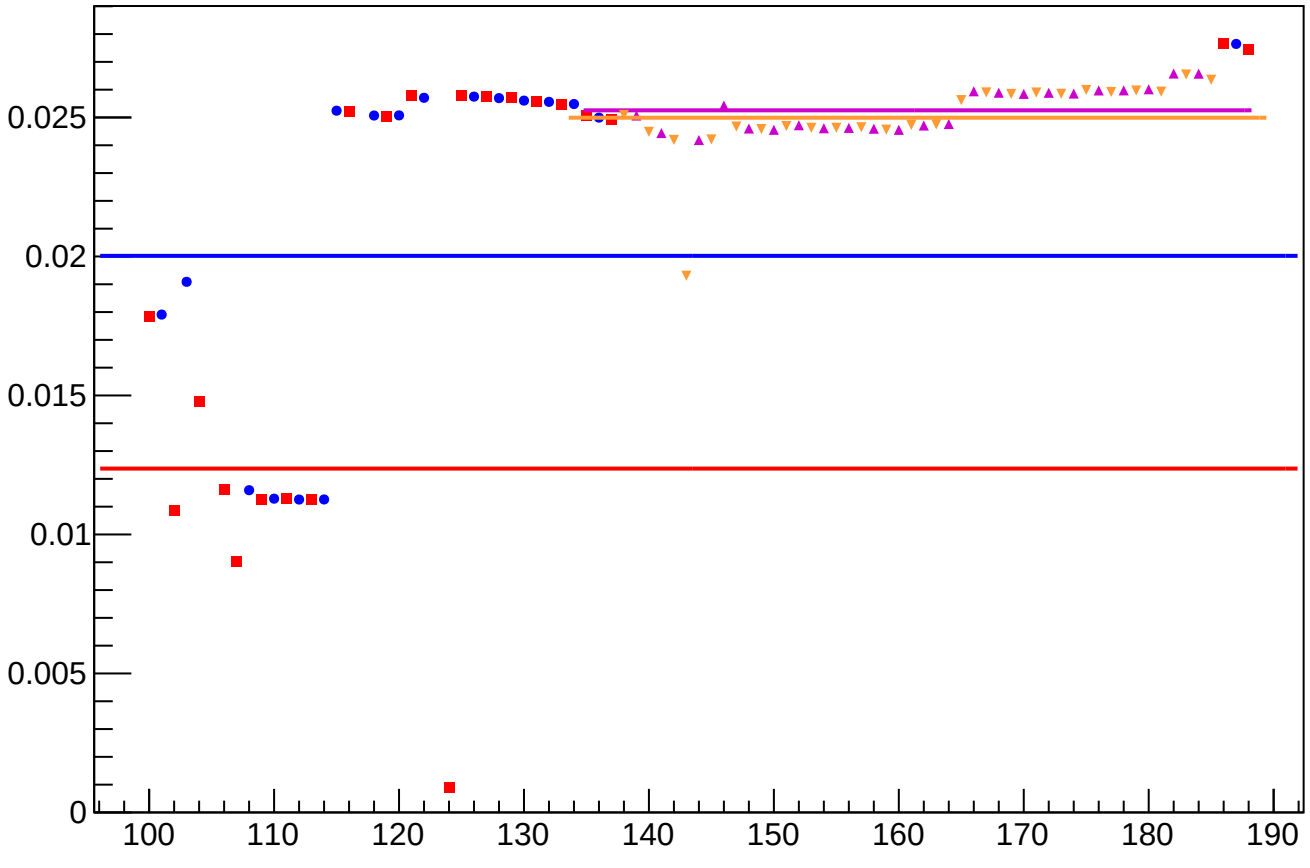
Left: 0.055+/-0.000 χ^2/NDF: 90127.5/47

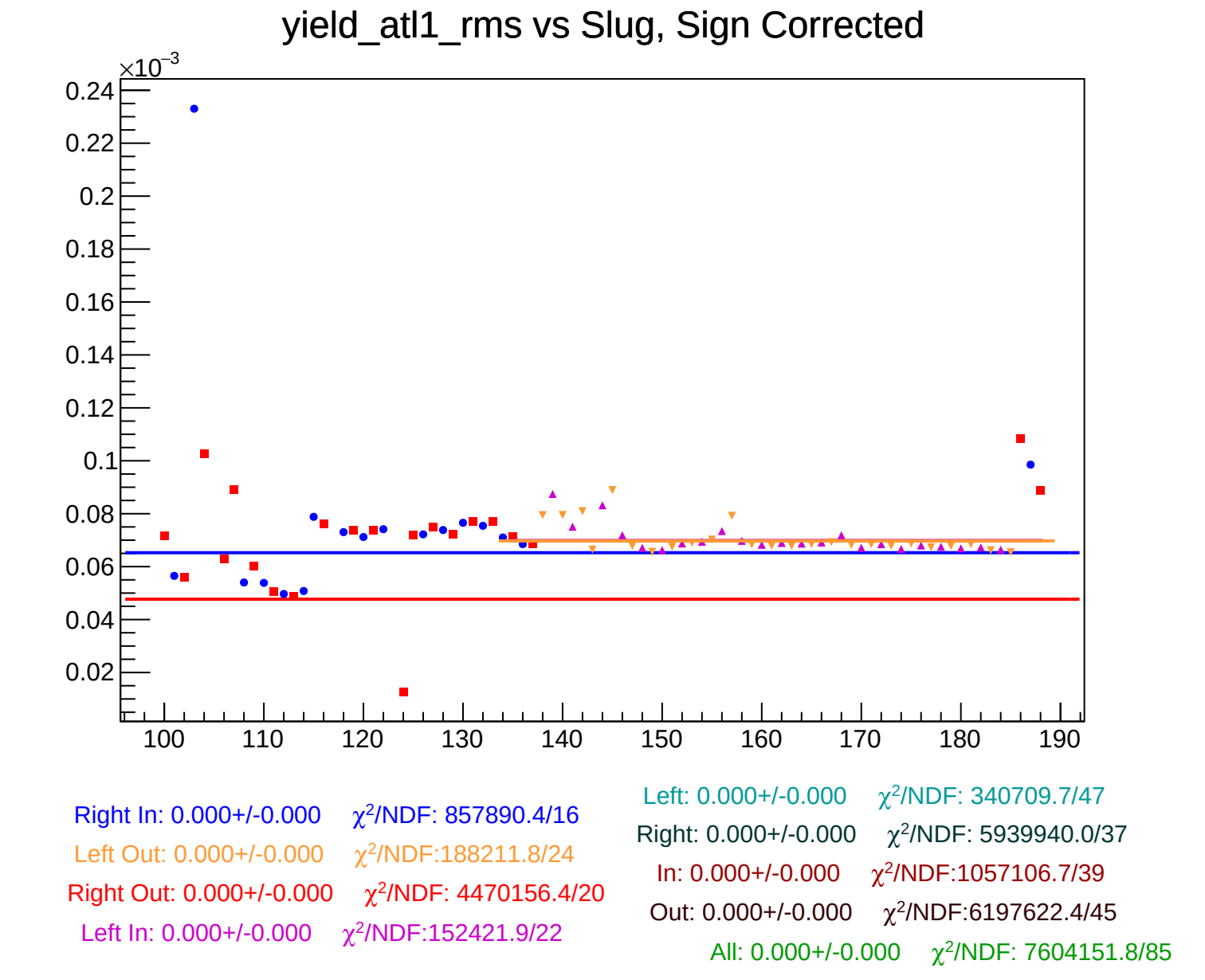
Right: 0.056+/-0.000 χ^2/NDF: 236521.9/37

In: 0.056+/-0.000 χ^2/NDF:96516.1/39

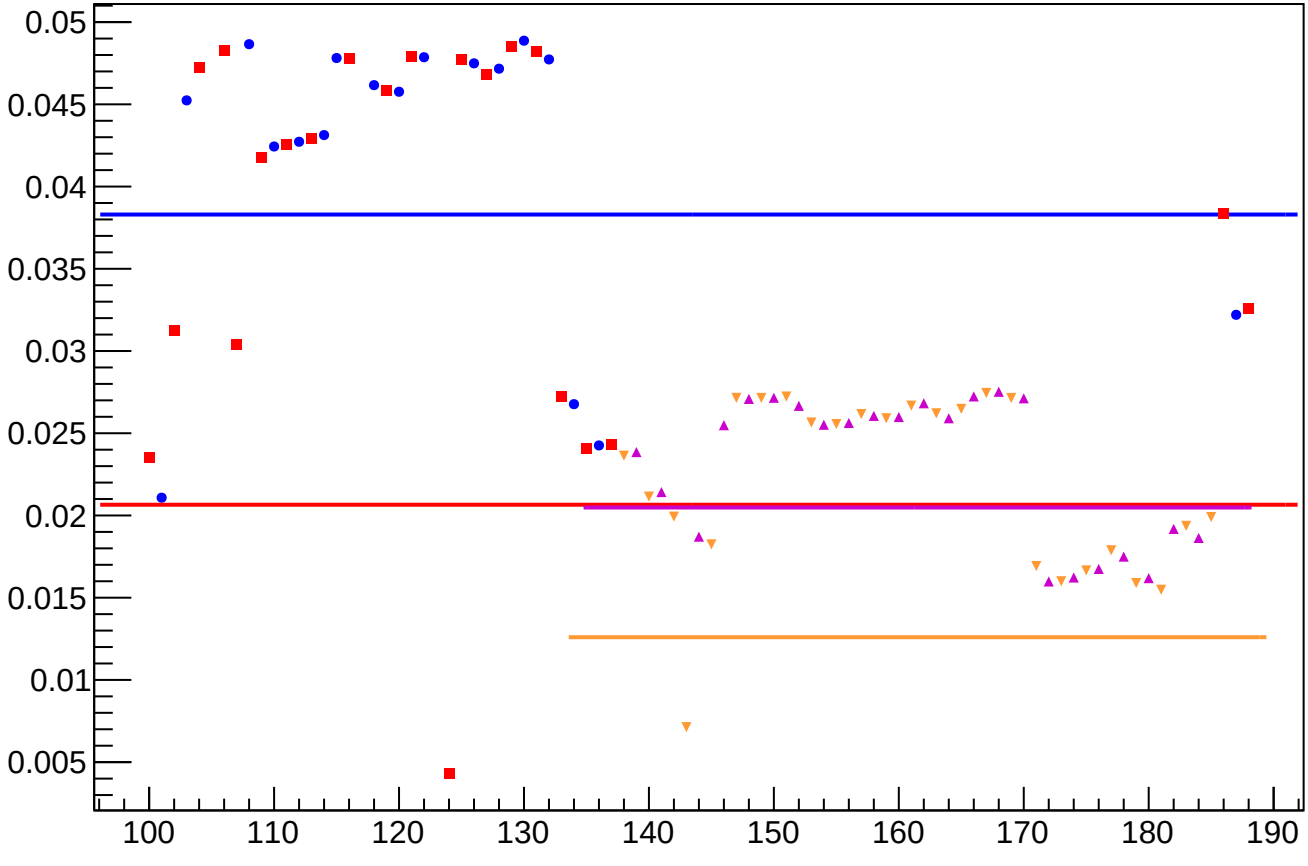
Out: 0.055+/-0.000 χ^2/NDF:240240.2/45

All: 0.055+/-0.000 χ^2/NDF: 340230.9/85


yield_atl1_mean vs Slug, Sign Corrected
0.025
0.02
0.015
0.01
0.005
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.020+/-0.000 χ²/NDF: 63541176943.3/16
Left Out: 0.025+/-0.000 χ²/NDF:7880064969.5/24
Right Out: 0.012+/-0.000 χ²/NDF: 291470290586.9/20
Left In: 0.025+/-0.000 χ²/NDF:1884783780.3/22
Left: 0.025+/-0.000 χ²/NDF: 9897726075.2/47
Right: 0.015+/-0.000 χ²/NDF: 413092133512.3/37
In: 0.024+/-0.000 χ²/NDF:95659431898.4/39
Out: 0.020+/-0.000 χ²/NDF:552069839937.7/45
All: 0.022+/-0.000 χ²/NDF: 690749179257.4


yield_atl1_rms vs Slug, Sign Corrected
×10⁻³
0.24
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 857890.4/16
Left Out: 0.000+/-0.000 χ²/NDF:188211.8/24
Right Out: 0.000+/-0.000 χ²/NDF: 4470156.4/20
Left In: 0.000+/-0.000 χ²/NDF:152421.9/22
Left: 0.000+/-0.000 χ²/NDF: 340709.7/47
Right: 0.000+/-0.000 χ²/NDF: 5939940.0/37
In: 0.000+/-0.000 χ²/NDF:1057106.7/39
Out: 0.000+/-0.000 χ²/NDF:6197622.4/45
All: 0.000+/-0.000 χ²/NDF: 7604151.8/85

yield_atl2_mean vs Slug, Sign Corrected



Right In: 0.038+/-0.000 χ^2/NDF: 7110046809.7/16

Left Out: 0.013+/-0.000 χ^2/NDF:37338500367.6/24

Right Out: 0.021+/-0.000 χ^2/NDF: 43188659895.5/20

Left In: 0.020+/-0.000 χ^2/NDF:6099907424.9/22

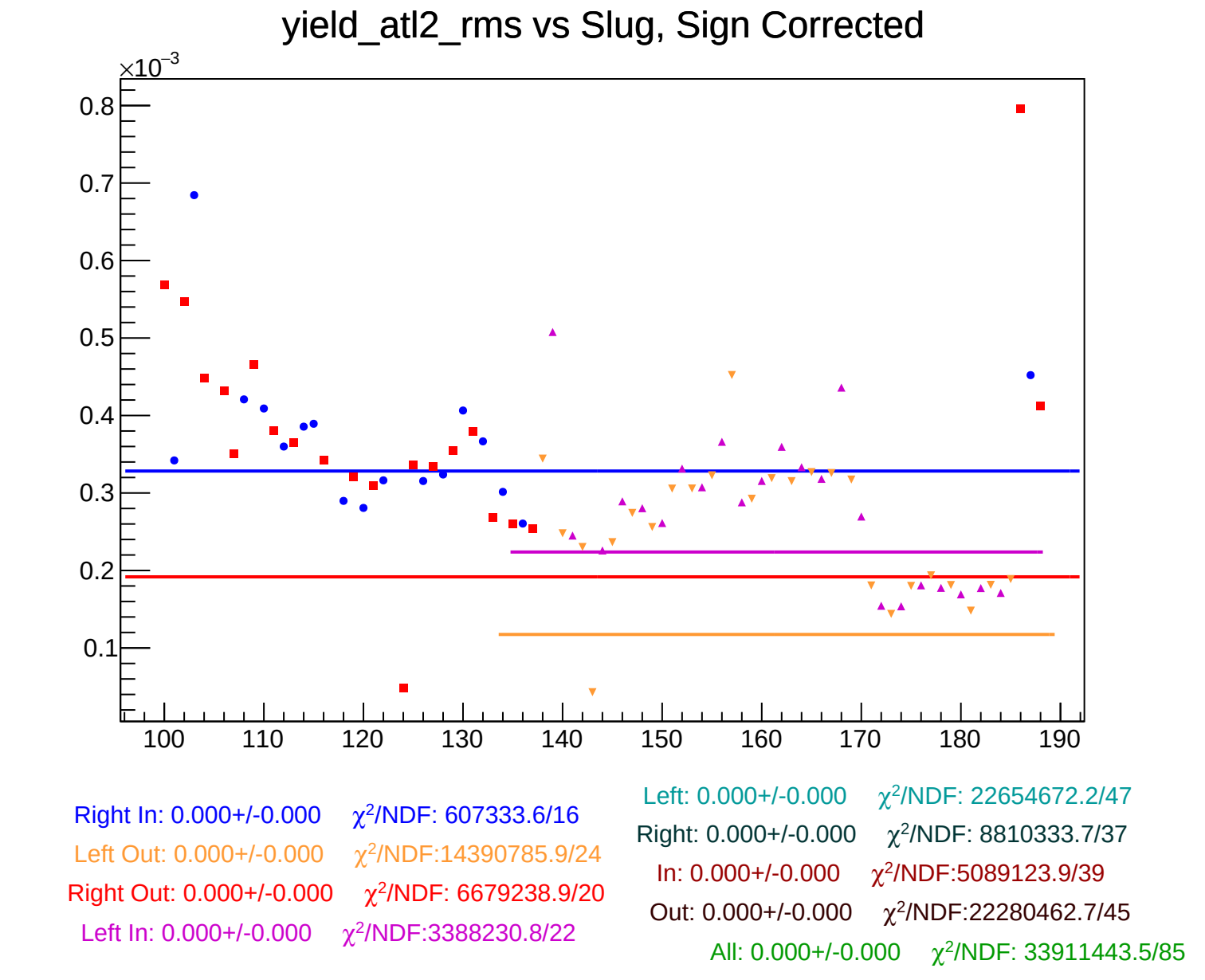
Left: 0.015+/-0.000 χ^2/NDF: 56833428679.6/47

Right: 0.026+/-0.000 χ^2/NDF: 63025498704.9/37

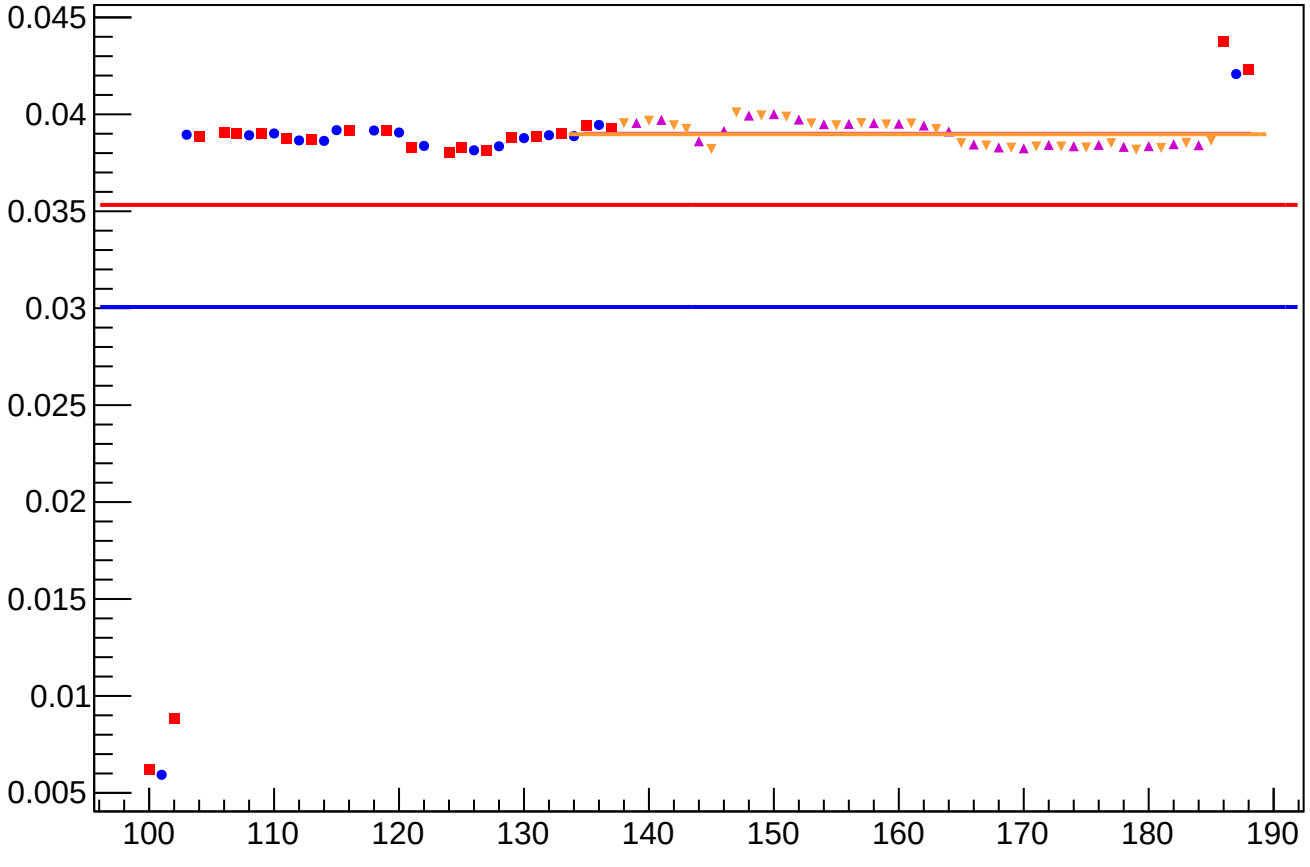
In: 0.023+/-0.000 χ^2/NDF:29100246335.9/39

Out: 0.014+/-0.000 χ^2/NDF:87628044502.2/45

All: 0.017+/-0.000 χ^2/NDF: 140728083284.7


yield_atl2_rms vs Slug, Sign Corrected
×10⁻³
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 607333.6/16
Left Out: 0.000+/-0.000 χ²/NDF:14390785.9/24
Right Out: 0.000+/-0.000 χ²/NDF: 6679238.9/20
Left In: 0.000+/-0.000 χ²/NDF:3388230.8/22
Left: 0.000+/-0.000 χ²/NDF: 22654672.2/47
Right: 0.000+/-0.000 χ²/NDF: 8810333.7/37
In: 0.000+/-0.000 χ²/NDF:5089123.9/39
Out: 0.000+/-0.000 χ²/NDF:22280462.7/45
All: 0.000+/-0.000 χ²/NDF: 33911443.5/85

yield_atr1_mean vs Slug, Sign Corrected



Right In: 0.030+/-0.000 χ^2/NDF: 108812158300.8/16

Left Out: 0.039+/-0.000 χ^2/NDF:477670162.8/24

Right Out: 0.035+/-0.000 χ^2/NDF: 49197545673.4/20

Left In: 0.039+/-0.000 χ^2/NDF:408808029.6/22

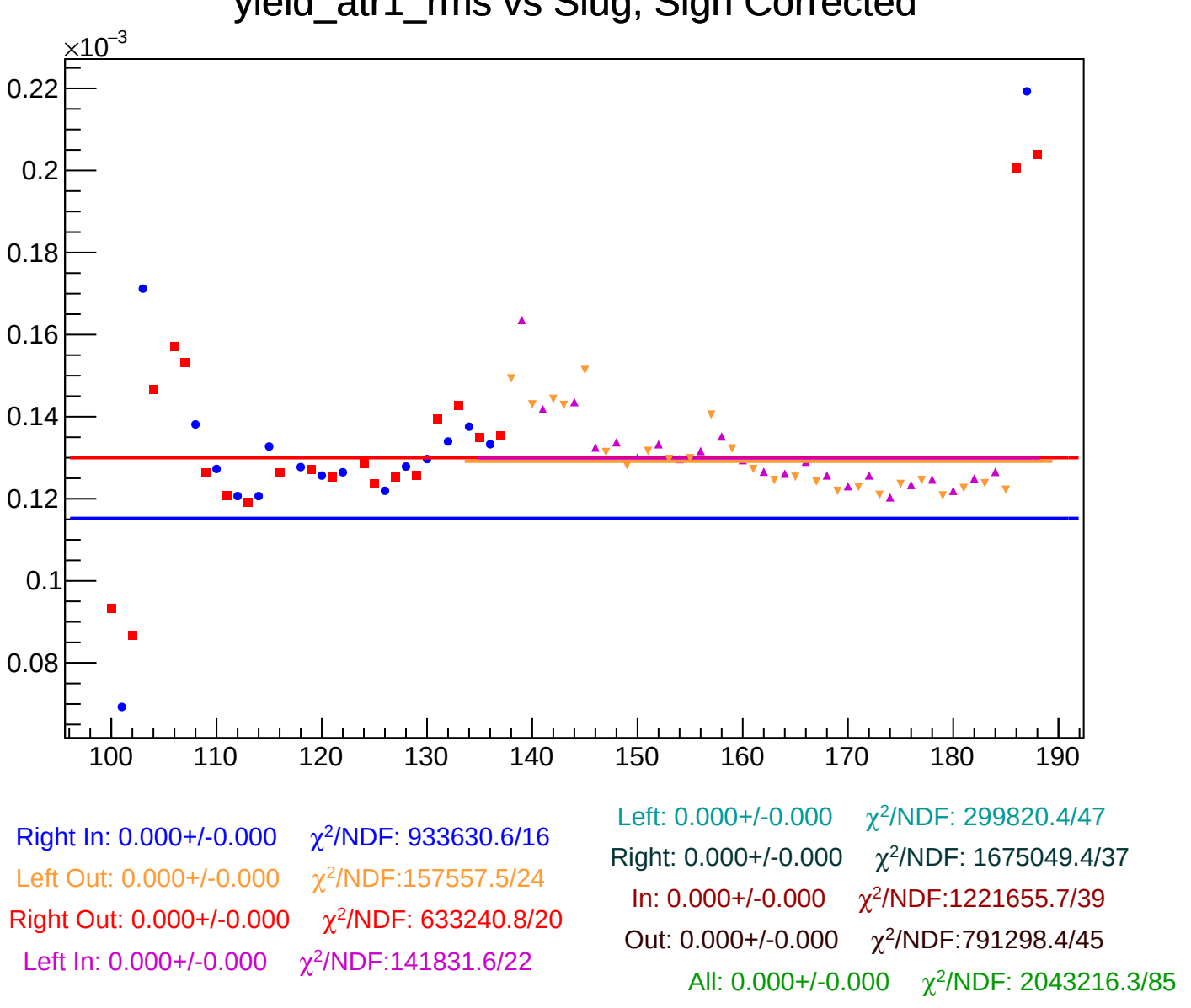
Left: 0.039+/-0.000 χ^2/NDF: 886762060.9/47

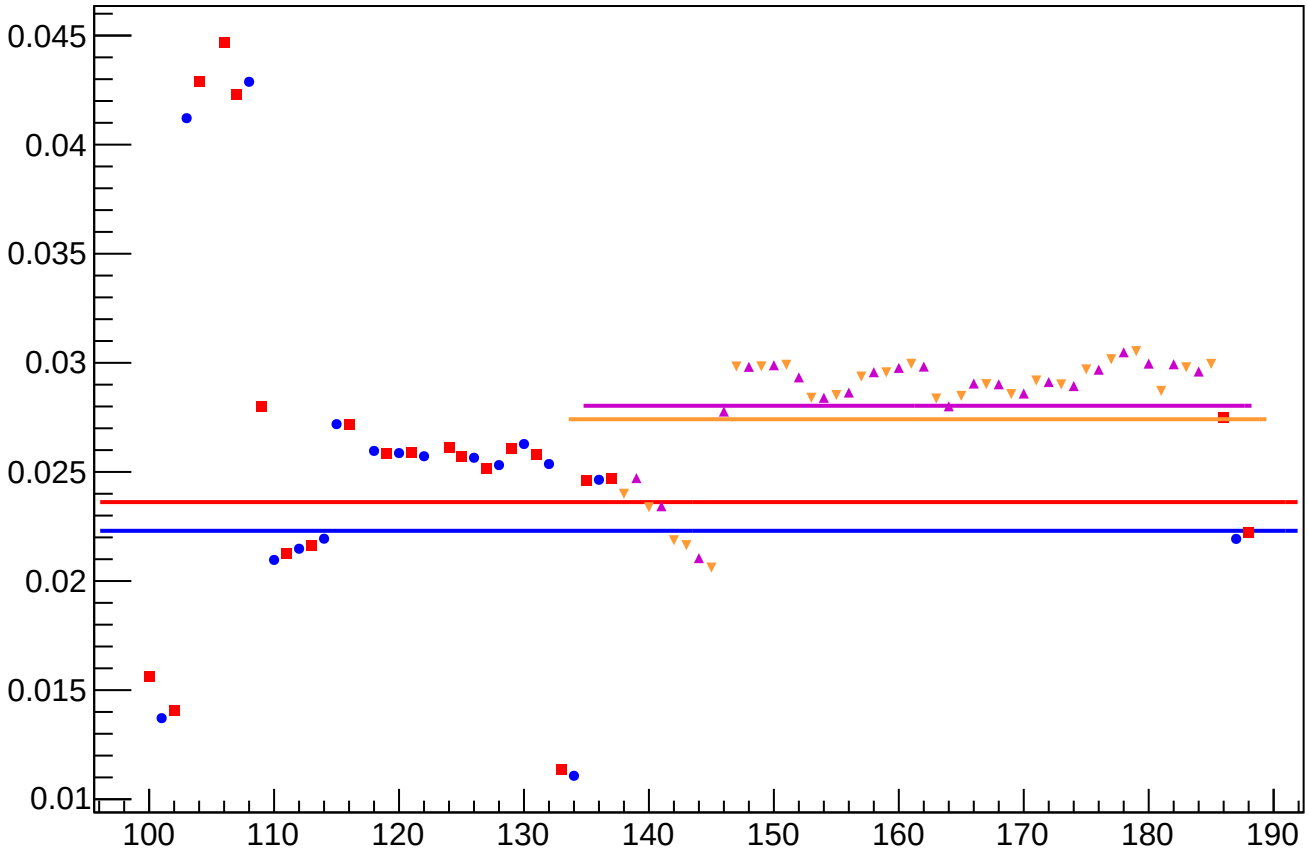
Right: 0.033+/-0.000 χ^2/NDF: 164866403212.1/37

In: 0.036+/-0.000 χ^2/NDF:136750005316.6/39

Out: 0.038+/-0.000 χ^2/NDF:54142643780.7/45

All: 0.037+/-0.000 χ^2/NDF: 193463363791.4


yield_atr1_rms vs Slug, Sign Corrected
×10⁻³
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 933630.6/16
Left Out: 0.000+/-0.000 χ²/NDF:157557.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 633240.8/20
Left In: 0.000+/-0.000 χ²/NDF:141831.6/22
Left: 0.000+/-0.000 χ²/NDF: 299820.4/47
Right: 0.000+/-0.000 χ²/NDF: 1675049.4/37
In: 0.000+/-0.000 χ²/NDF:1221655.7/39
Out: 0.000+/-0.000 χ²/NDF:791298.4/45
All: 0.000+/-0.000 χ²/NDF: 2043216.3/85



Right In: 0.022+/-0.000 χ^2/NDF: 5012715230.7/16

Left Out: 0.027+/-0.000 χ^2/NDF:2240091851.9/24

Right Out: 0.024+/-0.000 χ^2/NDF: 5619454259.2/20

Left In: 0.028+/-0.000 χ^2/NDF:1490587051.3/22

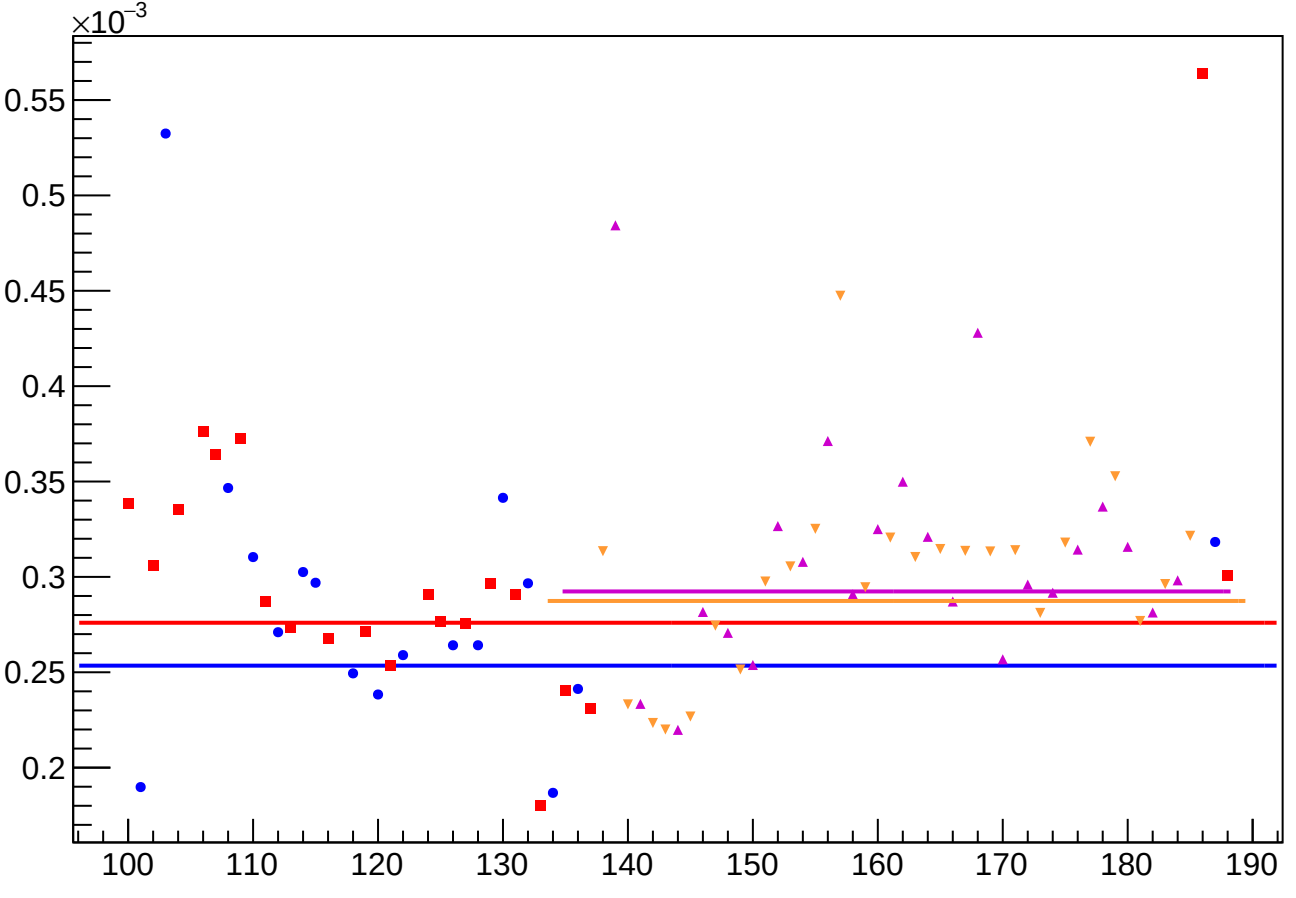
Left: 0.028+/-0.000 χ^2/NDF: 3768752418.2/47

Right: 0.023+/-0.000 χ^2/NDF: 10718465586.7/37

In: 0.026+/-0.000 χ^2/NDF:8662834286.0/39

Out: 0.026+/-0.000 χ^2/NDF:8830461735.2/45

All: 0.026+/-0.000 χ^2/NDF: 17494942721.4/8



Right In: 0.000+/-0.000 χ^2/NDF: 721837.4/16

Left Out: 0.000+/-0.000 χ^2/NDF:821515.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 673404.3/20

Left In: 0.000+/-0.000 χ^2/NDF:970483.1/22

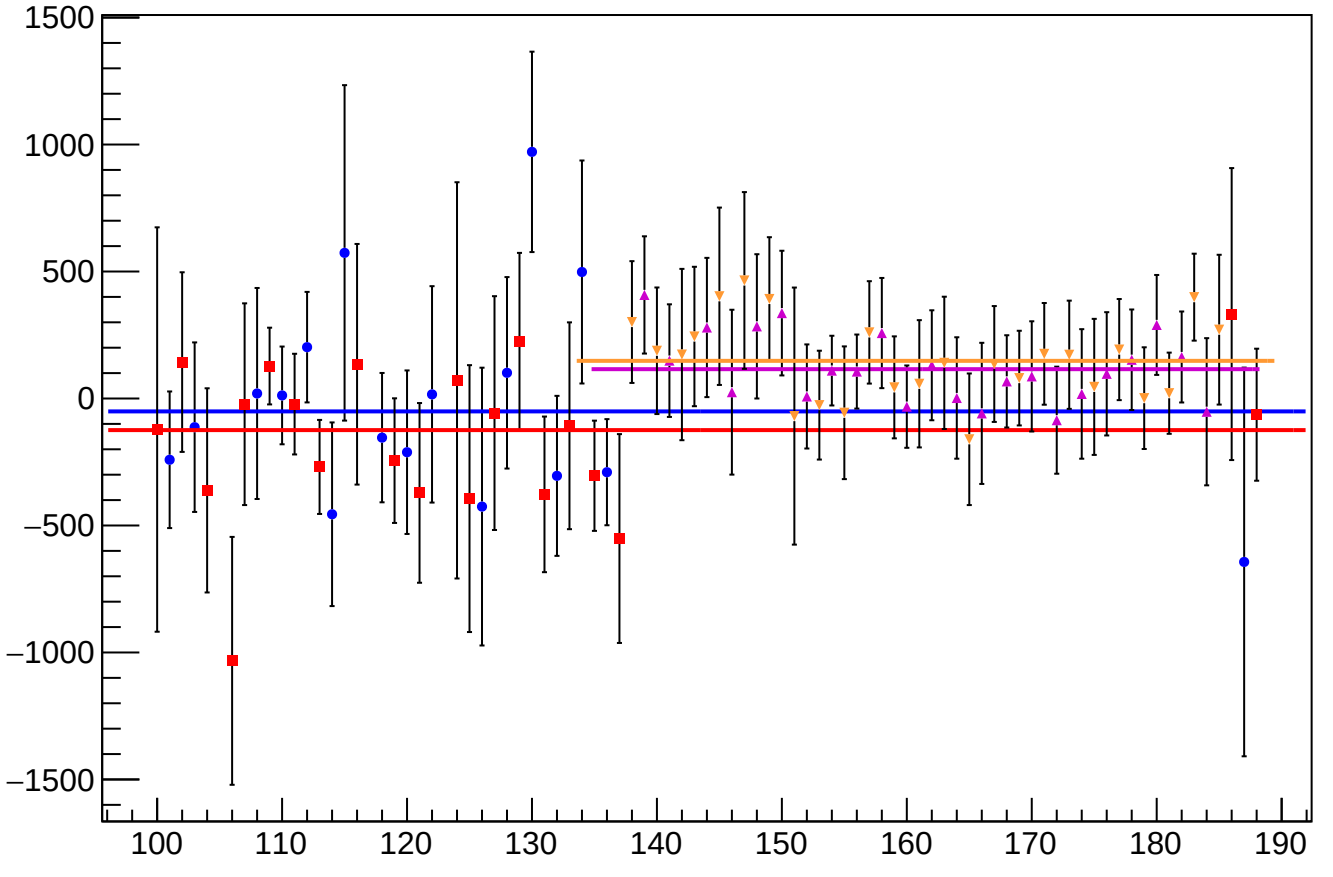
Left: 0.000+/-0.000 χ^2/NDF: 1796968.4/47

Right: 0.000+/-0.000 χ^2/NDF: 1445693.8/37

In: 0.000+/-0.000 χ^2/NDF:1891361.9/39

Out: 0.000+/-0.000 χ^2/NDF:1512488.3/45

All: 0.000+/-0.000 χ^2/NDF: 3410121.2/85



Right In: -50.793+/-75.823 χ^2/NDF: 16.1/16

Left Out: 148.273+/-46.219 χ^2/NDF:10.4/24

Right Out: -124.433+/-65.414 χ^2/NDF: 13.6/20

Left In: 115.487+/-43.568 χ^2/NDF:7.8/22

Left: 130.913+/-31.703 χ^2/NDF: 18.4/47

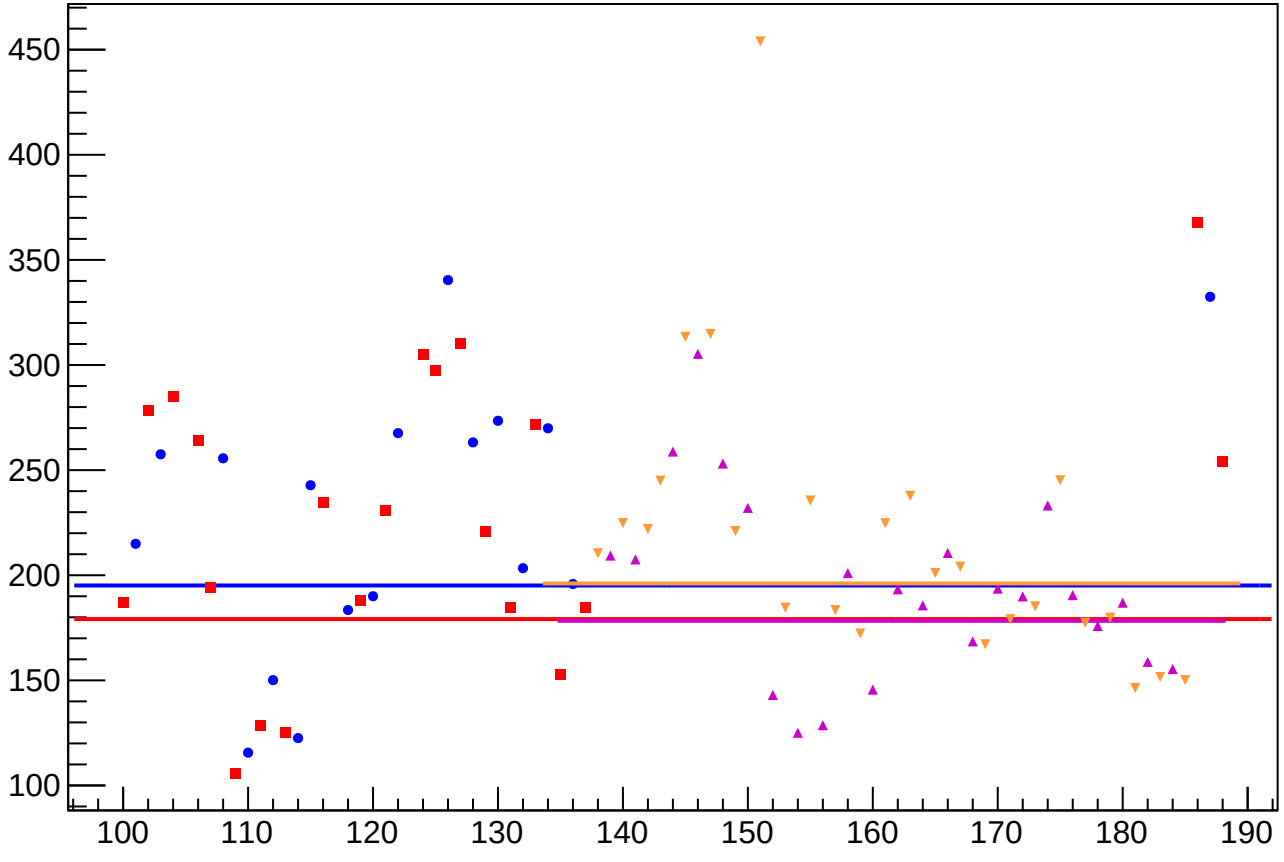
Right: -93.011+/-49.529 χ^2/NDF: 30.3/37

In: 74.214+/-37.776 χ^2/NDF:27.5/39

Out: 57.465+/-37.748 χ^2/NDF:35.6/45

All: 65.833+/-26.702 χ^2/NDF: 63.1/85

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 195.129+/-0.054 χ^2/NDF: 1113124.9/16

Left Out: 196.087+/-0.033 χ^2/NDF:1818492.9/24

Right Out: 179.152+/-0.046 χ^2/NDF: 2064641.3/20

Left In: 178.318+/-0.031 χ^2/NDF:1678336.4/22

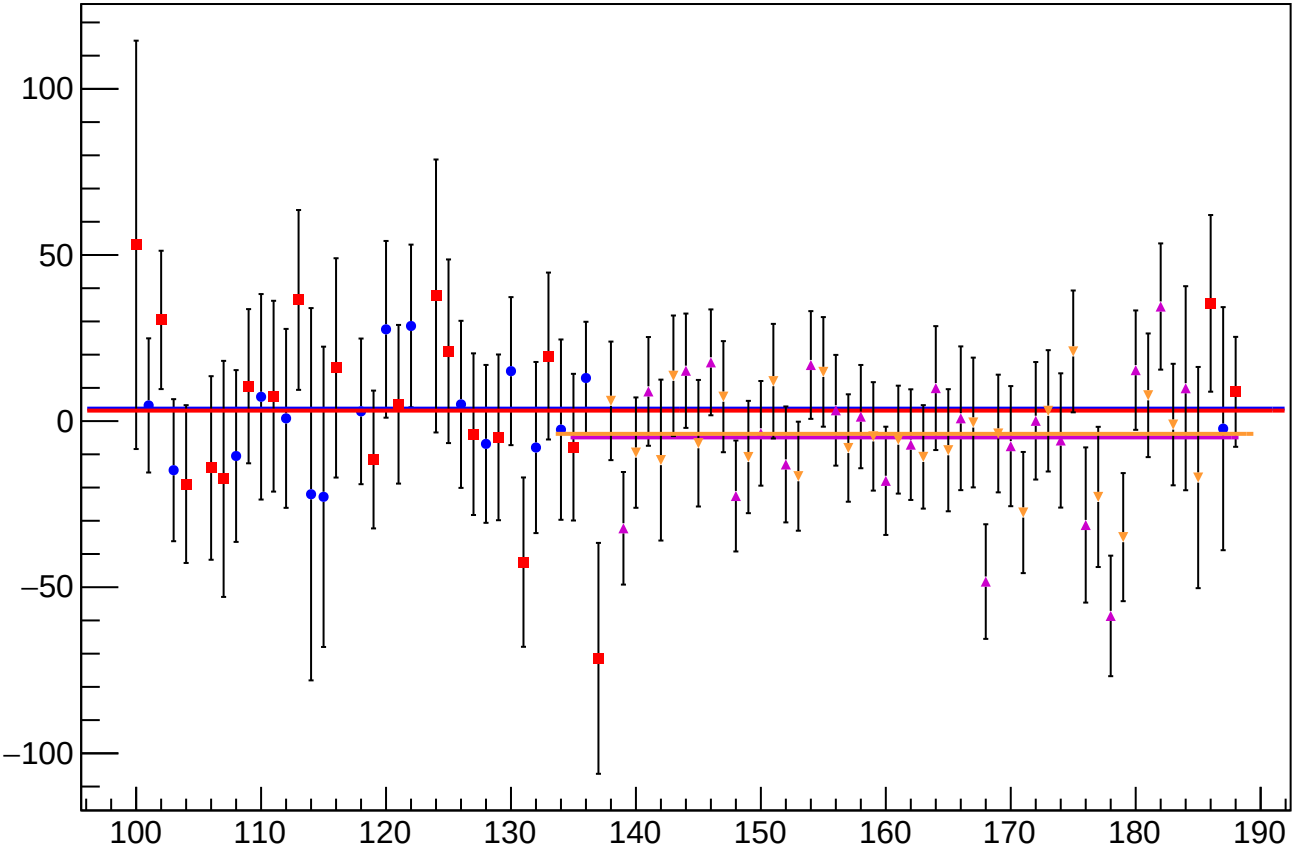
Left: 186.678+/-0.022 χ^2/NDF: 3653348.5/47

Right: 185.969+/-0.035 χ^2/NDF: 3228675.9/37

In: 182.491+/-0.027 χ^2/NDF:2865374.2/39

Out: 190.448+/-0.027 χ^2/NDF:3972540.1/45

All: 186.472+/-0.019 χ^2/NDF: 6882314.8/85



Right In: 3.752+/-6.086 χ^2/NDF: 4.5/16

Left Out: -3.834+/-3.603 χ^2/NDF:12.9/24

Right Out: 3.161+/-5.577 χ^2/NDF: 17.7/20

Left In: -4.903+/-3.695 χ^2/NDF:33.9/22

Left: -4.355+/-2.580 χ^2/NDF: 46.8/47

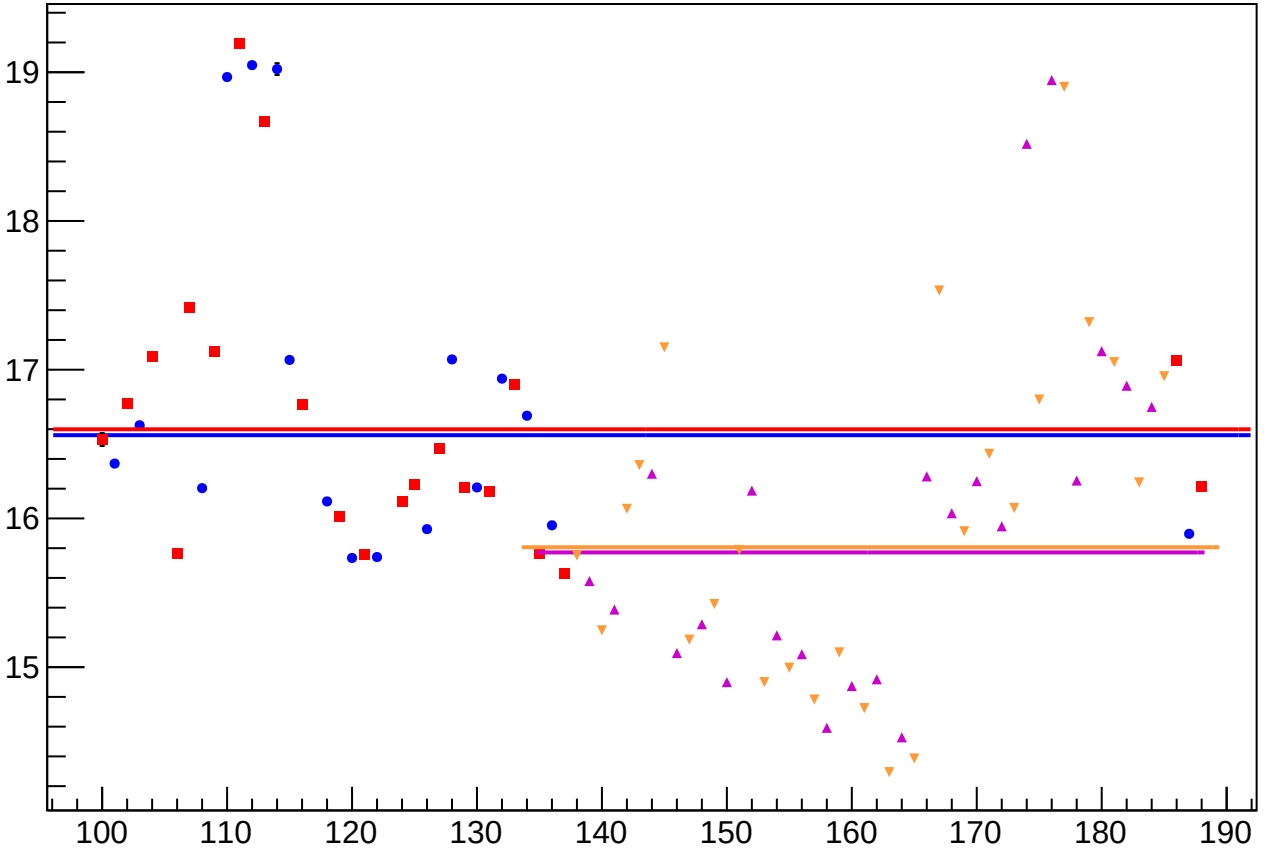
Right: 3.431+/-4.112 χ^2/NDF: 22.2/37

In: -2.572+/-3.159 χ^2/NDF:39.9/39

Out: -1.775+/-3.026 χ^2/NDF:31.6/45

All: -2.156+/-2.185 χ^2/NDF: 71.5/85

asym_bcm_an_avg_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 16.560+/-0.004 χ^2/NDF: 45251.7/16

Left Out: 15.806+/-0.003 χ^2/NDF:172651.3/24

Right Out: 16.599+/-0.004 χ^2/NDF: 45194.9/20

Left In: 15.771+/-0.003 χ^2/NDF:152136.7/22

Left: 15.789+/-0.002 χ^2/NDF: 324879.5/47

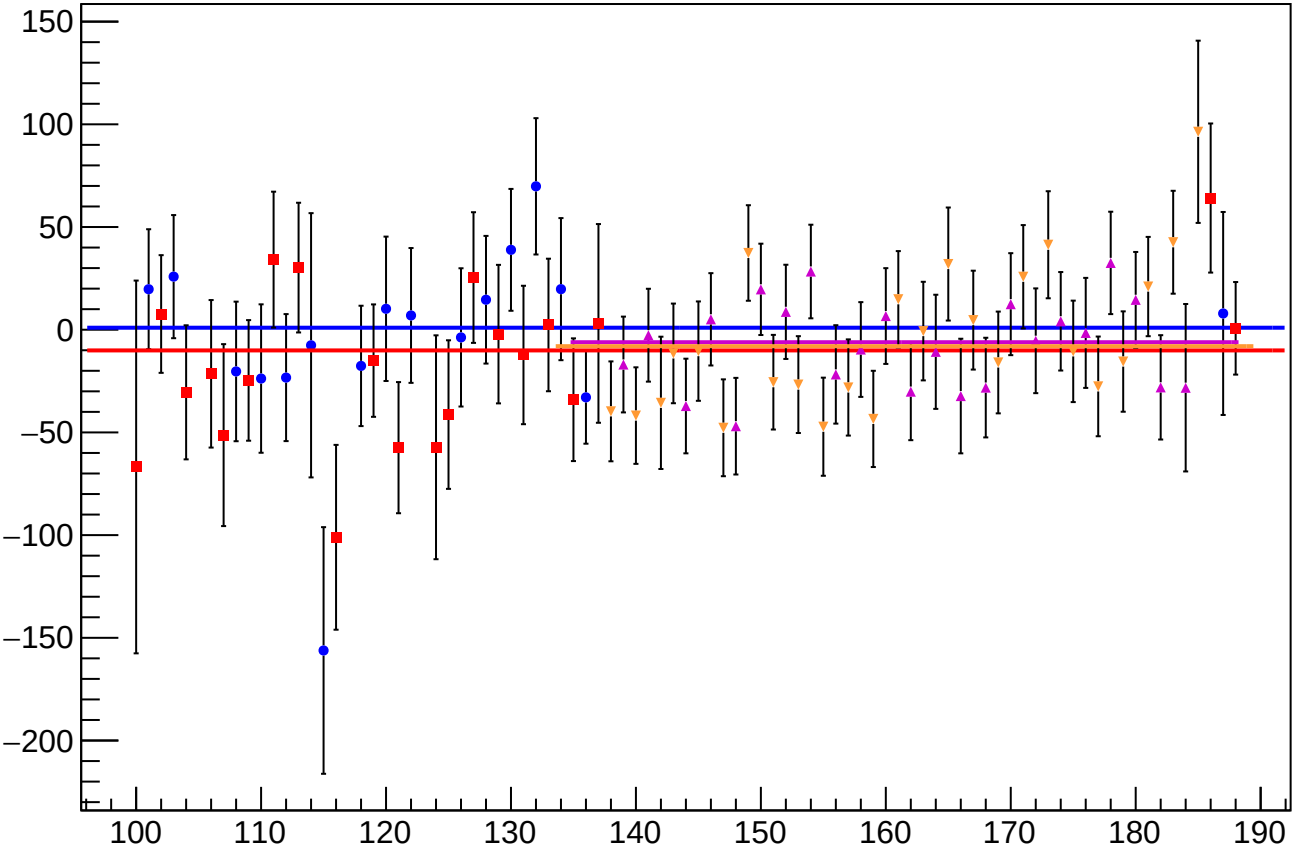
Right: 16.581+/-0.003 χ^2/NDF: 90492.7/37

In: 15.984+/-0.002 χ^2/NDF:221907.4/39

Out: 16.040+/-0.002 χ^2/NDF:246380.5/45

All: 16.013+/-0.002 χ^2/NDF: 468615.6/85

asym_bcm_an_avg_bcm_dg_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 0.977+/-8.017 χ^2/NDF: 18.7/16

Left Out: -8.016+/-4.956 χ^2/NDF:38.9/24

Right Out: -10.079+/-7.345 χ^2/NDF: 20.2/20

Left In: -6.086+/-5.080 χ^2/NDF:17.9/22

Left: -7.075+/-3.547 χ^2/NDF: 56.8/47

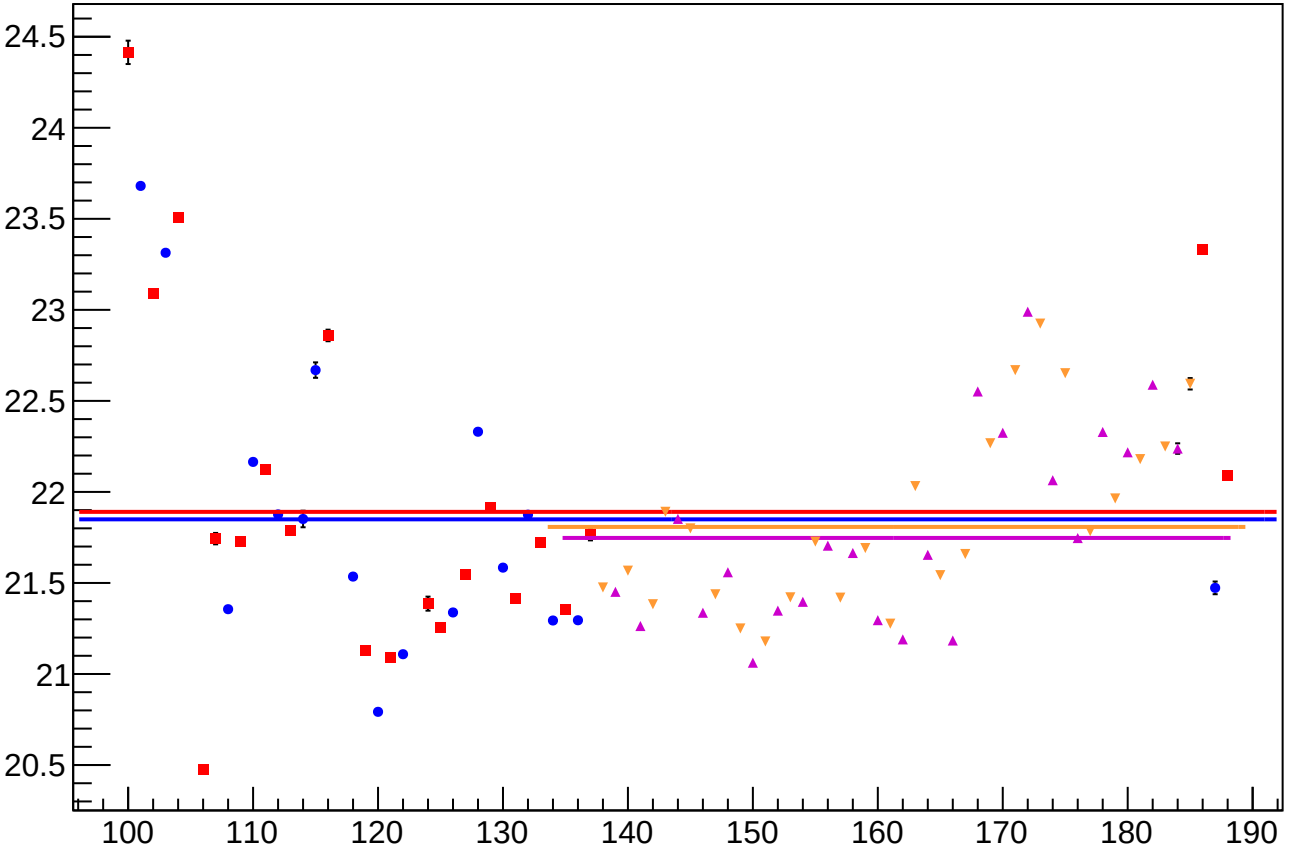
Right: -5.034+/-5.416 χ^2/NDF: 39.9/37

In: -4.063+/-4.291 χ^2/NDF:37.1/39

Out: -8.661+/-4.108 χ^2/NDF:59.1/45

All: -6.462+/-2.967 χ^2/NDF: 96.8/85

asym_bcm_an_avg_bcm_dg_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 21.849+/-0.006 χ^2/NDF: 19587.3/16

Left Out: 21.808+/-0.004 χ^2/NDF:17561.0/24

Right Out: 21.890+/-0.005 χ^2/NDF: 22452.5/20

Left In: 21.747+/-0.004 χ^2/NDF:20560.9/22

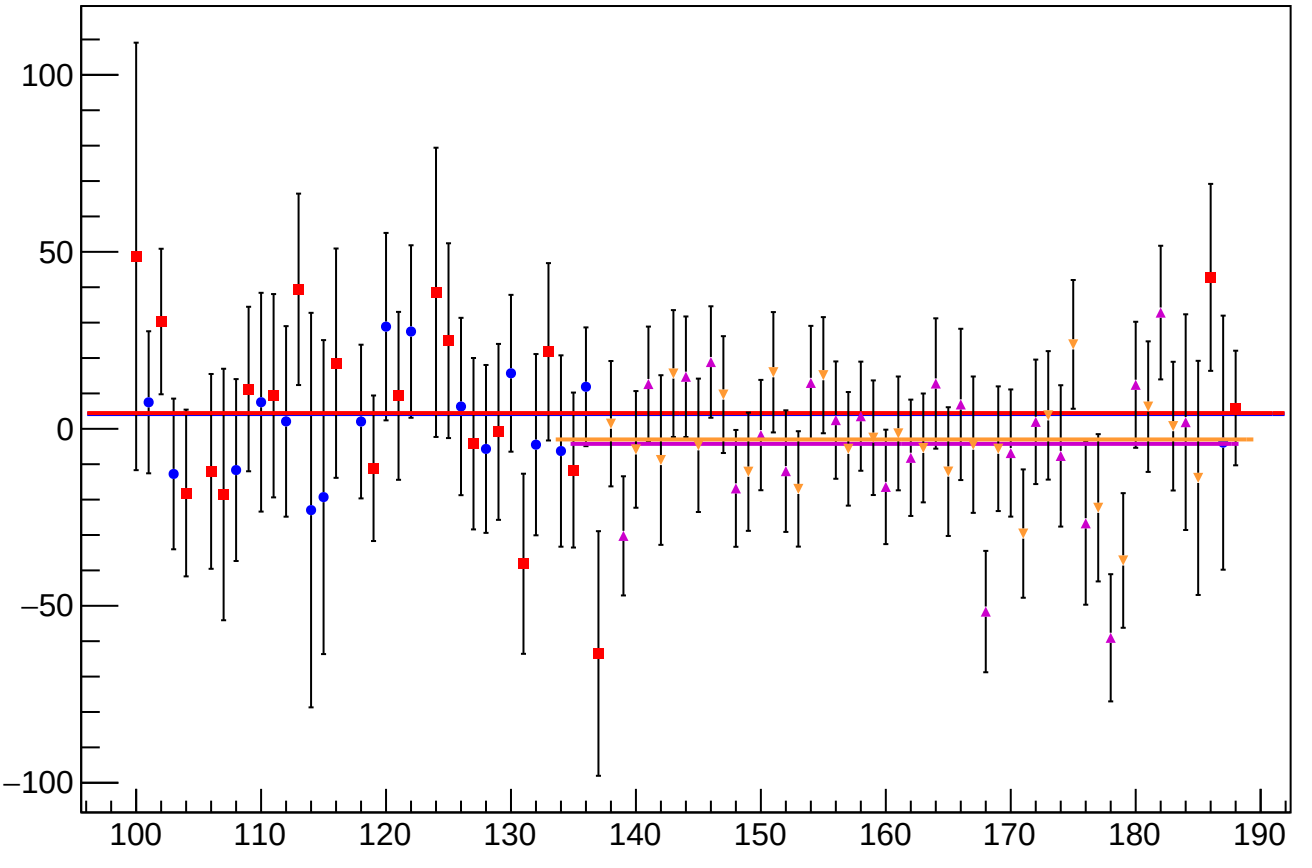
Left: 21.778+/-0.003 χ^2/NDF: 38266.9/47

Right: 21.872+/-0.004 χ^2/NDF: 42068.4/37

In: 21.777+/-0.003 χ^2/NDF:40379.6/39

Out: 21.834+/-0.003 χ^2/NDF:40188.0/45

All: 21.806+/-0.002 χ^2/NDF: 80752.2/85



Right In: 4.168+/-6.049 χ^2/NDF: 4.3/16

Left Out: -3.002+/-3.569 χ^2/NDF:14.6/24

Right Out: 4.449+/-5.535 χ^2/NDF: 17.6/20

Left In: -4.249+/-3.661 χ^2/NDF:33.8/22

Left: -3.610+/-2.555 χ^2/NDF: 48.5/47

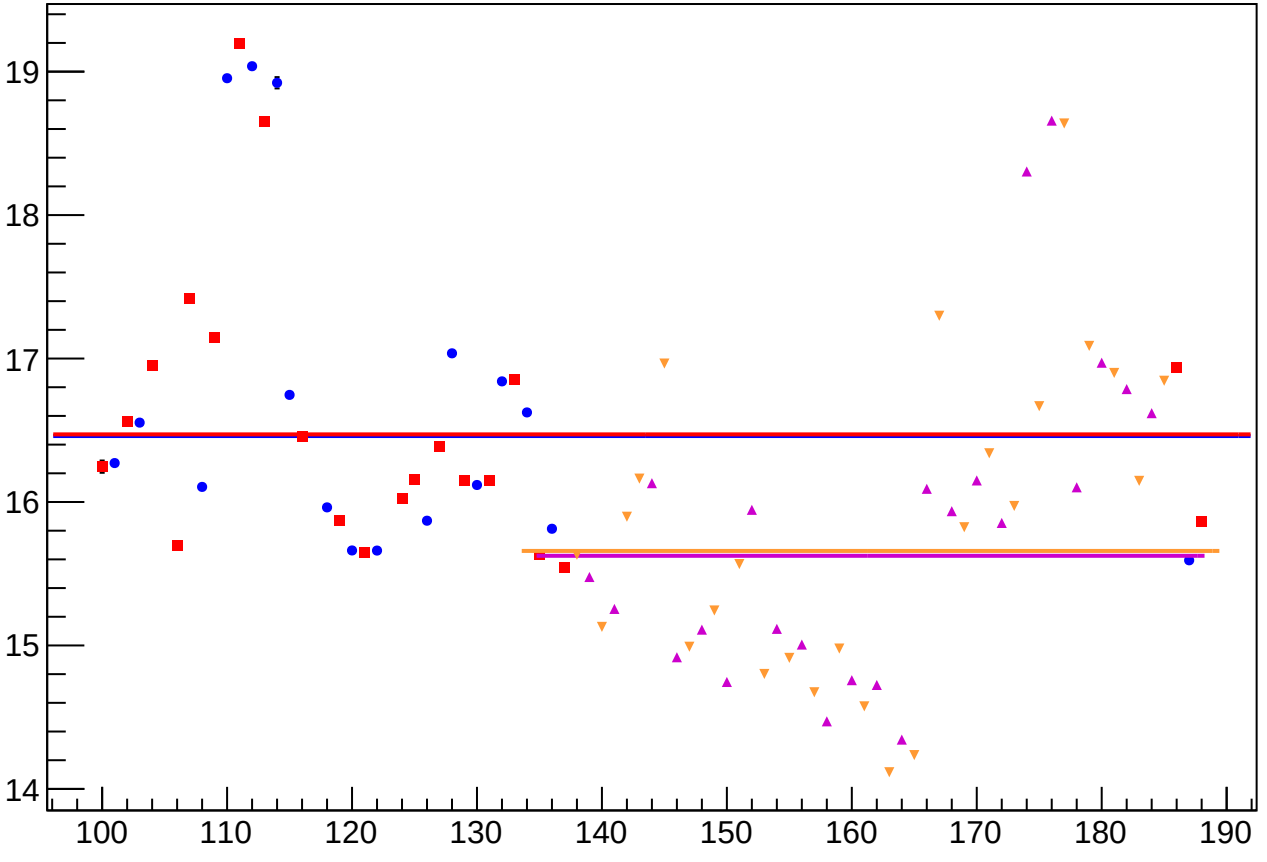
Right: 4.321+/-4.084 χ^2/NDF: 22.0/37

In: -1.993+/-3.132 χ^2/NDF:39.6/39

Out: -0.814+/-2.999 χ^2/NDF:33.6/45

All: -1.378+/-2.166 χ^2/NDF: 73.2/85

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 16.460+/-0.004 χ^2/NDF: 48385.1/16

Left Out: 15.659+/-0.003 χ^2/NDF:169838.6/24

Right Out: 16.471+/-0.004 χ^2/NDF: 50098.7/20

Left In: 15.625+/-0.003 χ^2/NDF:150431.7/22

Left: 15.642+/-0.002 χ^2/NDF: 320358.4/47

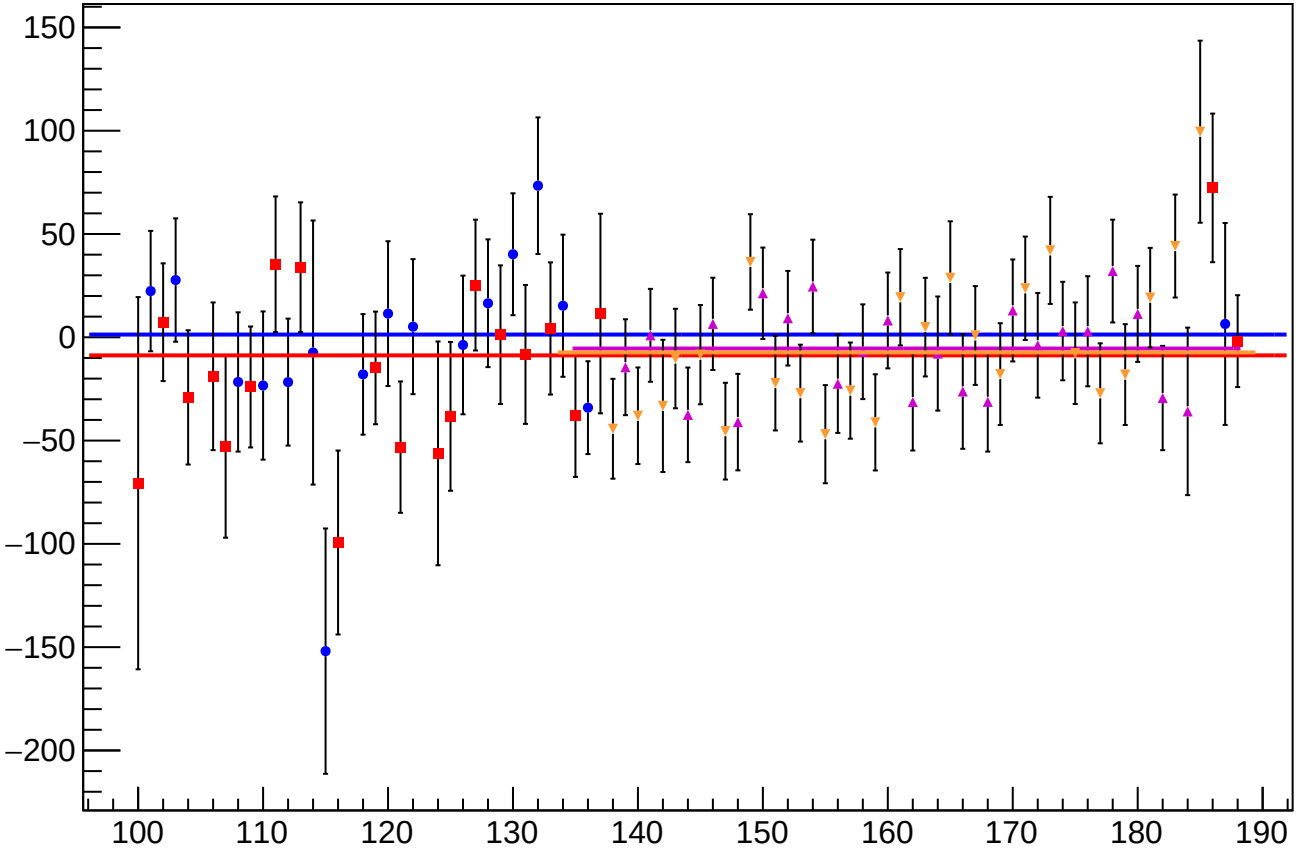
Right: 16.466+/-0.003 χ^2/NDF: 98487.8/37

In: 15.849+/-0.002 χ^2/NDF:226692.2/39

Out: 15.897+/-0.002 χ^2/NDF:250373.0/45

All: 15.874+/-0.002 χ^2/NDF: 477317.5/85

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 1.325+/-7.979 χ^2/NDF: 19.4/16

Left Out: -7.318+/-4.929 χ^2/NDF:38.6/24

Right Out: -8.751+/-7.302 χ^2/NDF: 21.5/20

Left In: -5.435+/-5.054 χ^2/NDF:17.3/22

Left: -6.400+/-3.529 χ^2/NDF: 56.0/47

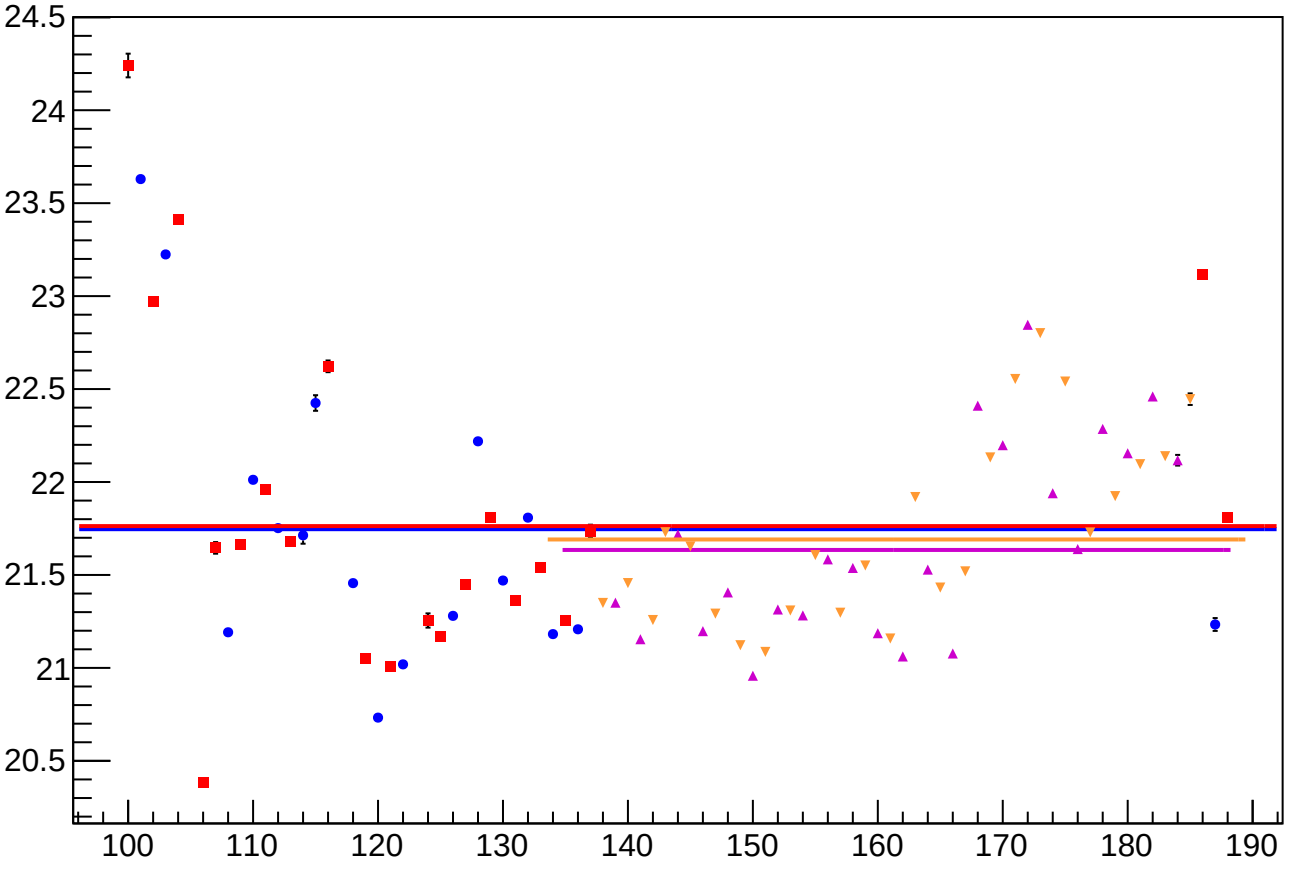
Right: -4.159+/-5.387 χ^2/NDF: 41.8/37

In: -3.499+/-4.269 χ^2/NDF:37.2/39

Out: -7.766+/-4.086 χ^2/NDF:60.1/45

All: -5.727+/-2.952 χ^2/NDF: 97.8/85

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 21.746+/-0.006 χ^2/NDF: 19971.8/16

Left Out: 21.691+/-0.003 χ^2/NDF:17934.9/24

Right Out: 21.763+/-0.005 χ^2/NDF: 21331.3/20

Left In: 21.635+/-0.004 χ^2/NDF:20561.5/22

Left: 21.663+/-0.002 χ^2/NDF: 38623.9/47

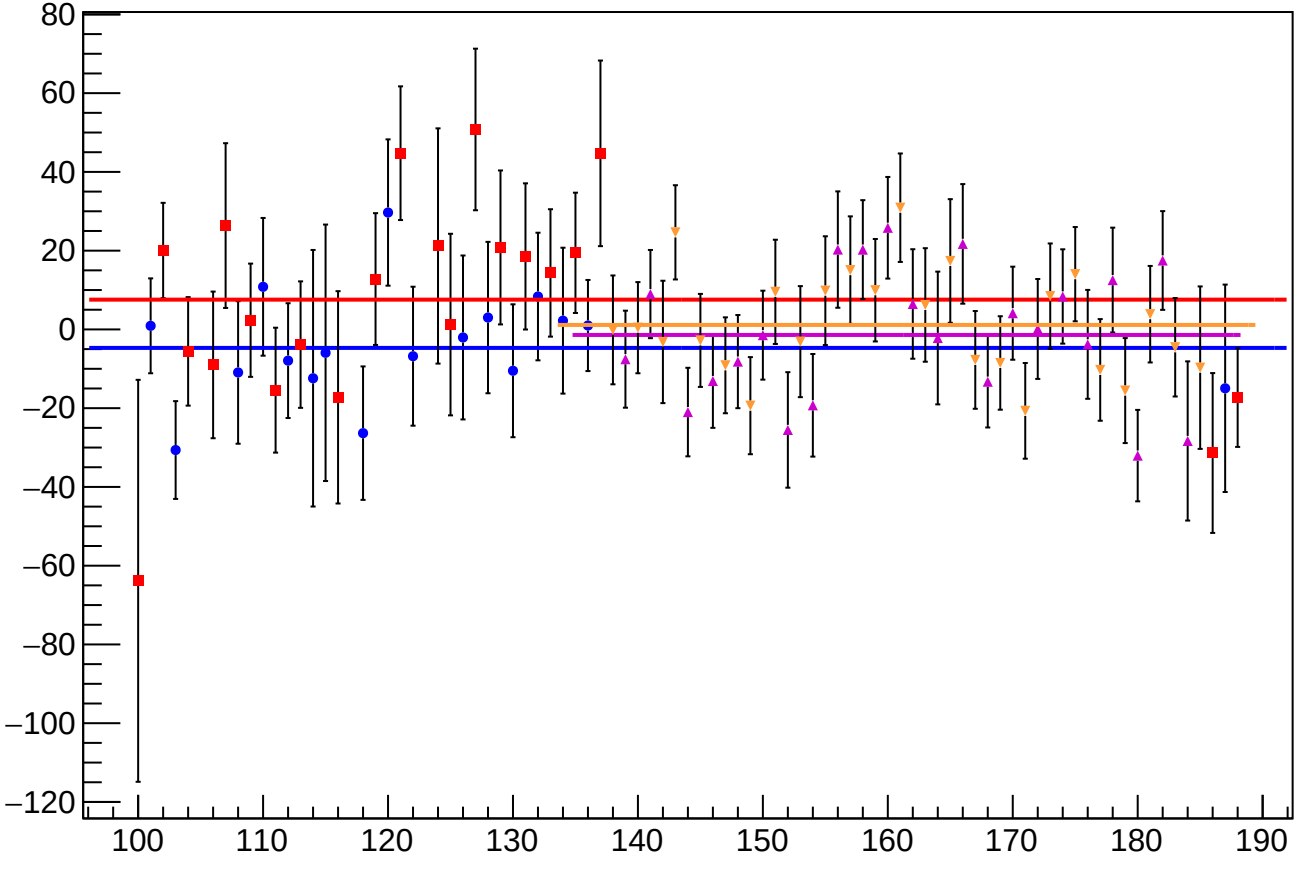
Right: 21.755+/-0.004 χ^2/NDF: 41307.8/37

In: 21.666+/-0.003 χ^2/NDF:40813.1/39

Out: 21.713+/-0.003 χ^2/NDF:39399.4/45

All: 21.691+/-0.002 χ^2/NDF: 80338.4/85

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -4.692+/-4.081 χ^2/NDF: 12.1/16

Left Out: 1.138+/-2.620 χ^2/NDF:24.5/24

Right Out: 7.561+/-3.825 χ^2/NDF: 30.4/20

Left In: -1.407+/-2.674 χ^2/NDF:36.3/22

Left: -0.108+/-1.871 χ^2/NDF: 61.3/47

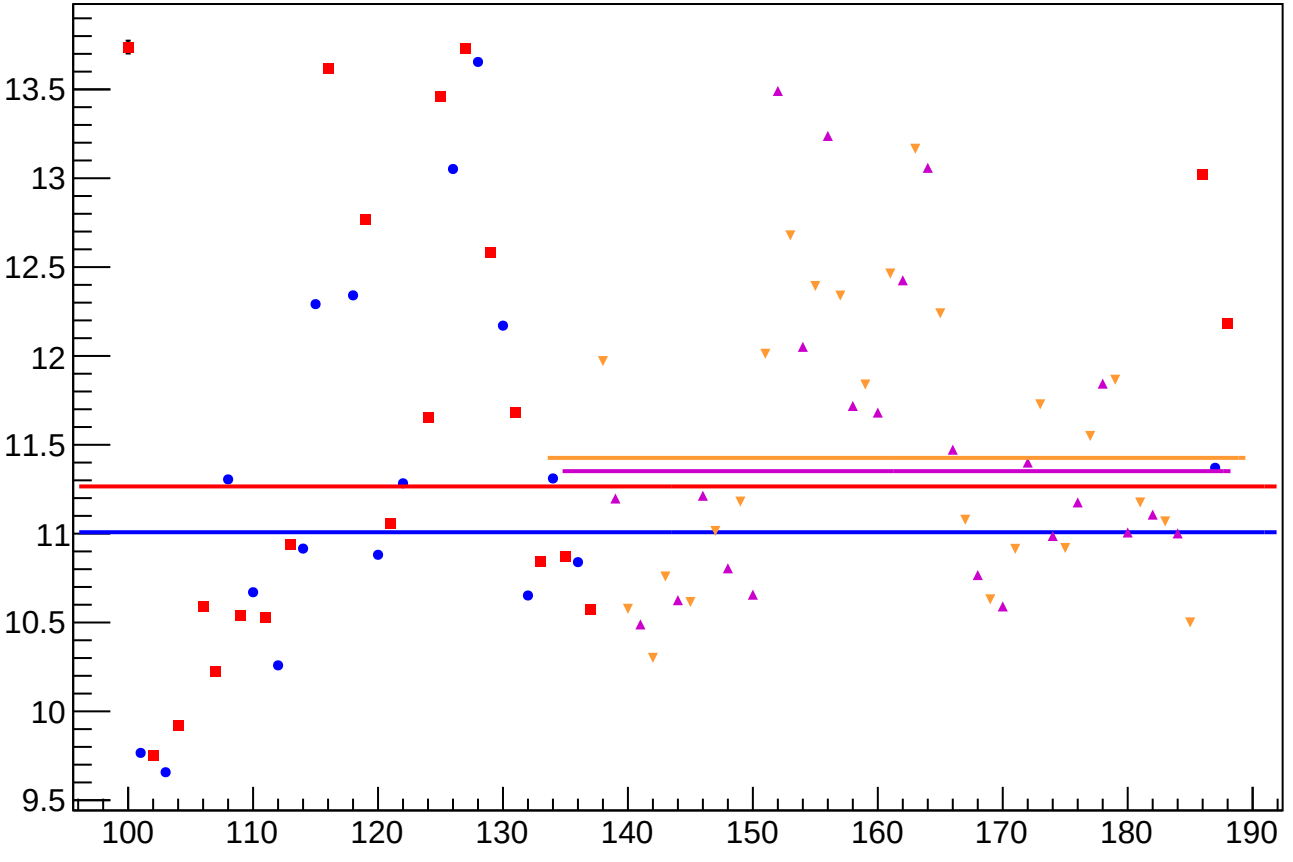
Right: 1.831+/-2.791 χ^2/NDF: 47.4/37

In: -2.394+/-2.237 χ^2/NDF:48.9/39

Out: 3.189+/-2.161 χ^2/NDF:56.9/45

All: 0.493+/-1.554 χ^2/NDF: 109.0/85

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 11.008+/-0.003 χ^2/NDF: 136547.5/16

Left Out: 11.426+/-0.002 χ^2/NDF:156973.4/24

Right Out: 11.266+/-0.003 χ^2/NDF: 192043.7/20

Left In: 11.352+/-0.002 χ^2/NDF:170563.6/22

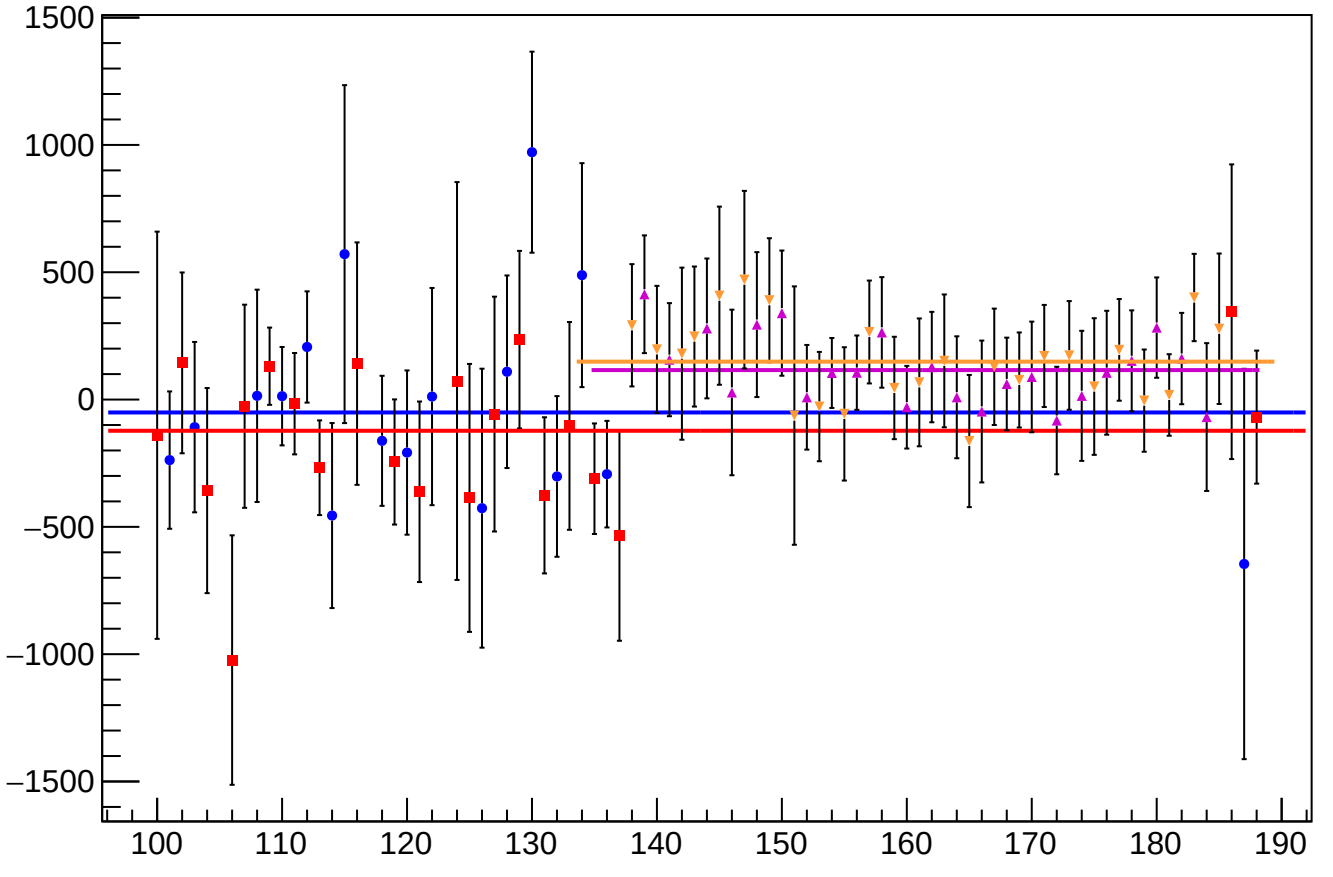
Left: 11.390+/-0.001 χ^2/NDF: 328334.9/47

Right: 11.145+/-0.002 χ^2/NDF: 332836.8/37

In: 11.248+/-0.002 χ^2/NDF:317039.9/39

Out: 11.375+/-0.002 χ^2/NDF:351424.3/45

All: 11.314+/-0.001 χ^2/NDF: 671780.7/85



Right In: -50.711+/-76.047 χ^2/NDF: 16.0/16

Left Out: 148.905+/-46.306 χ^2/NDF:10.5/24

Right Out: -122.563+/-65.625 χ^2/NDF: 13.6/20

Left In: 115.709+/-43.641 χ^2/NDF:7.8/22

Left: 131.325+/-31.759 χ^2/NDF: 18.6/47

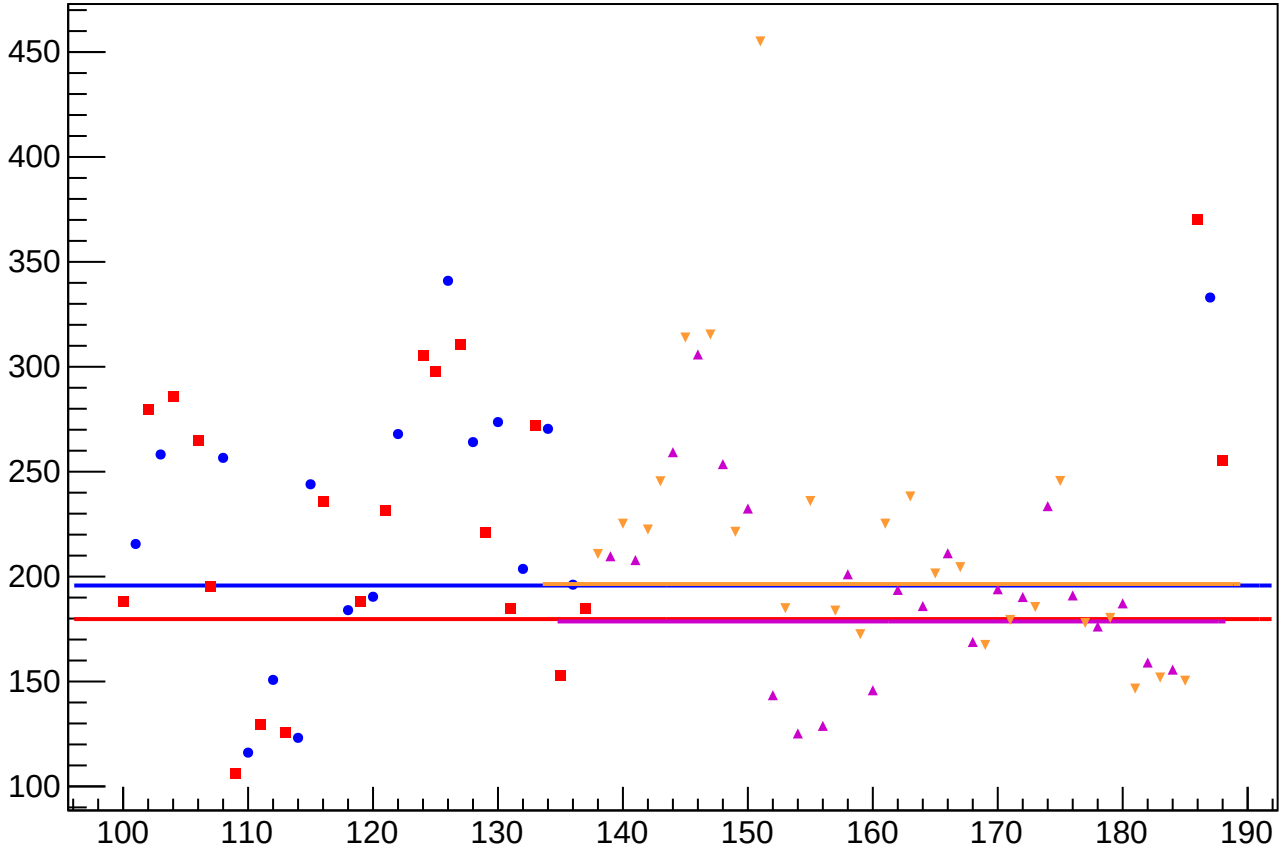
Right: -91.894+/-49.683 χ^2/NDF: 30.1/37

In: 74.480+/-37.851 χ^2/NDF:27.4/39

Out: 58.669+/-37.836 χ^2/NDF:35.5/45

All: 66.572+/-26.759 χ^2/NDF: 63.0/85

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs Slug, Sign Corrected



Right In: 195.749+/-0.054 χ^2/NDF: 1106782.1/16

Left Out: 196.454+/-0.033 χ^2/NDF:1818746.1/24

Right Out: 179.755+/-0.046 χ^2/NDF: 2060807.7/20

Left In: 178.614+/-0.031 χ^2/NDF:1678859.8/22

Left: 187.006+/-0.022 χ^2/NDF: 3654827.6/47

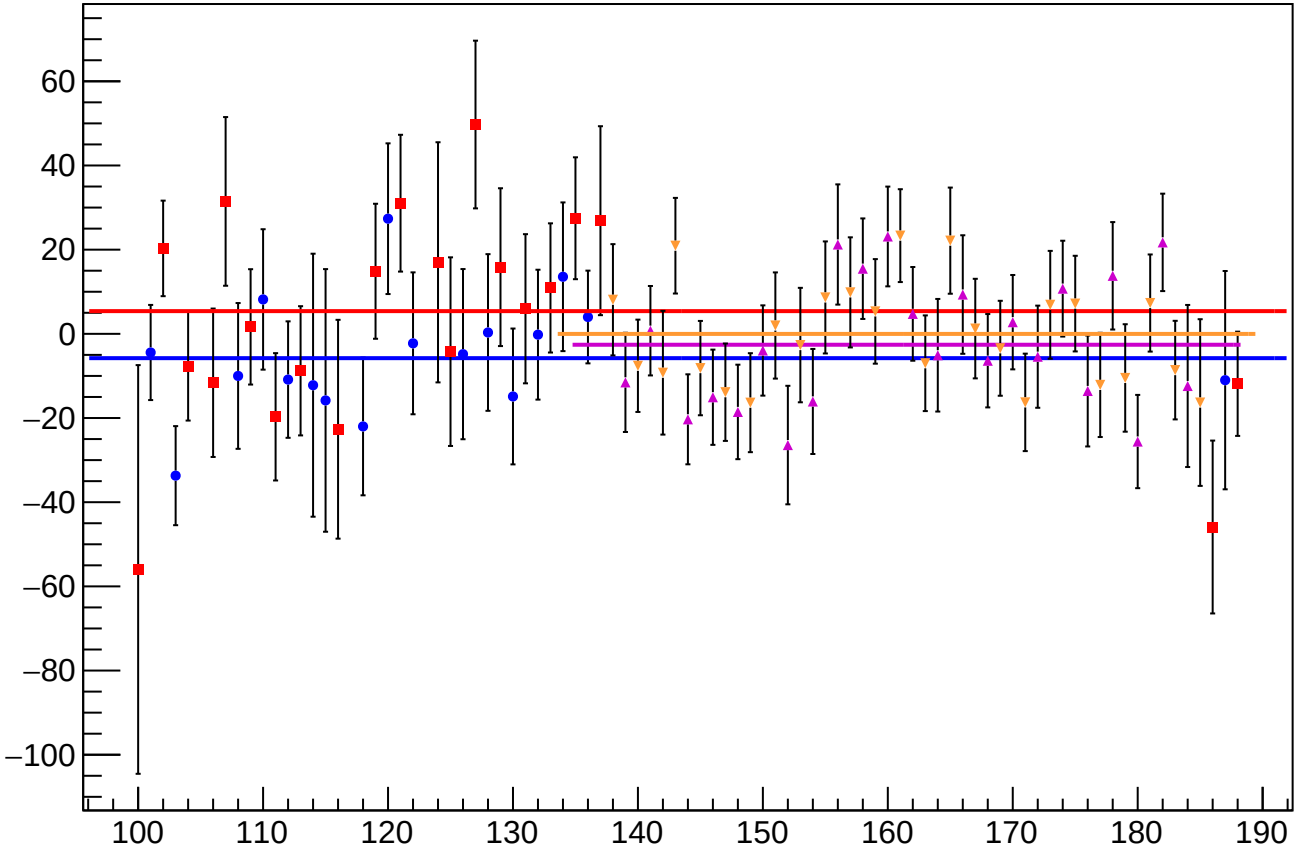
Right: 186.582+/-0.035 χ^2/NDF: 3218300.5/37

In: 182.859+/-0.027 χ^2/NDF:2862031.1/39

Out: 190.903+/-0.027 χ^2/NDF:3966014.5/45

All: 186.883+/-0.019 χ^2/NDF: 6873231.6/85

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs Slug, Sign Corrected



Right In: -5.778+/-3.894 χ^2/NDF: 13.7/16

Left Out: -0.018+/-2.445 χ^2/NDF:23.7/24

Right Out: 5.396+/-3.661 χ^2/NDF: 31.8/20

Left In: -2.591+/-2.506 χ^2/NDF:34.8/22

Left: -1.272+/-1.750 χ^2/NDF: 59.1/47

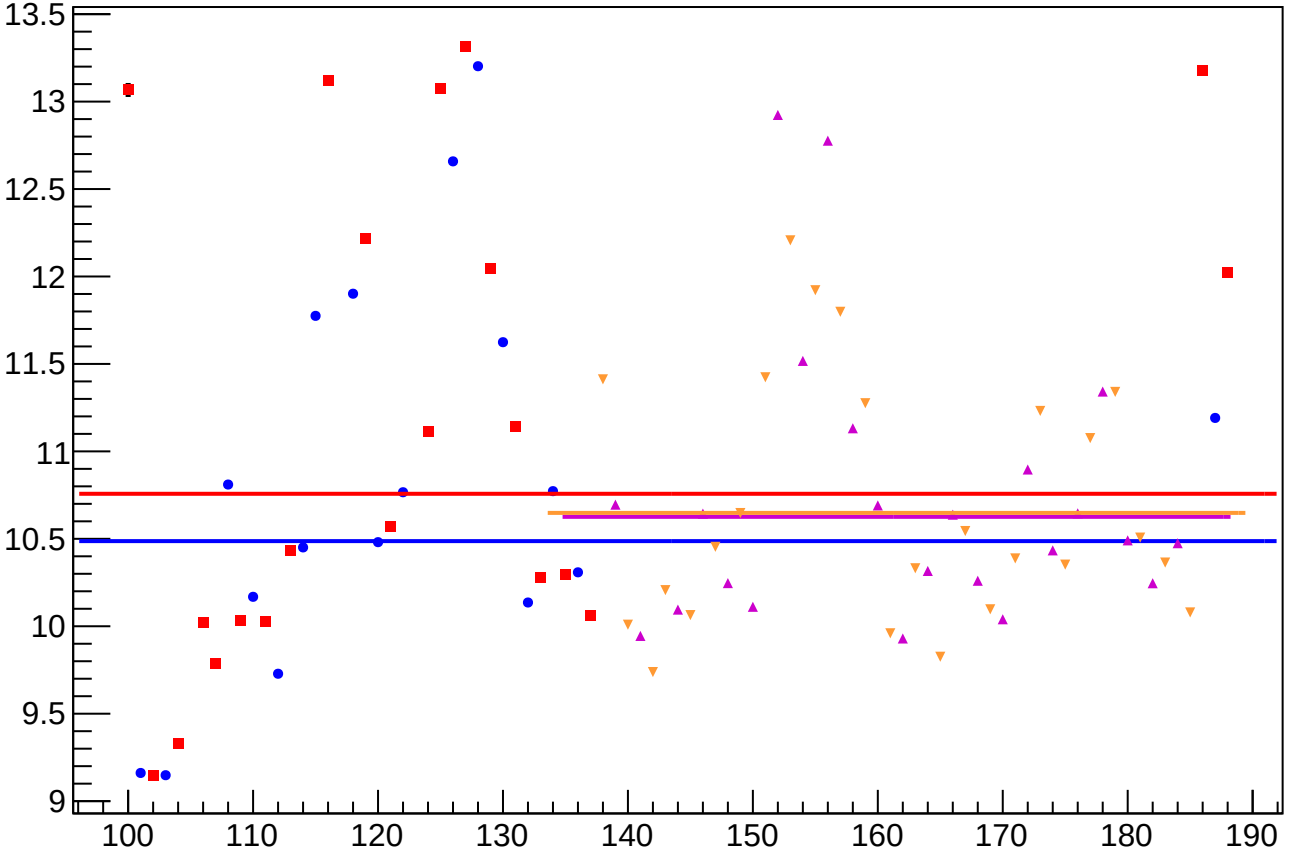
Right: 0.154+/-2.667 χ^2/NDF: 49.9/37

In: -3.524+/-2.107 χ^2/NDF:49.0/39

Out: 1.652+/-2.033 χ^2/NDF:57.1/45

All: -0.843+/-1.463 χ^2/NDF: 109.2/85

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug, Sign Corrected



Right In: 10.487+/-0.003 χ^2/NDF: 158875.2/16

Left Out: 10.648+/-0.002 χ^2/NDF:143535.9/24

Right Out: 10.757+/-0.003 χ^2/NDF: 241472.0/20

Left In: 10.626+/-0.002 χ^2/NDF:159543.1/22

Left: 10.637+/-0.001 χ^2/NDF: 303162.3/47

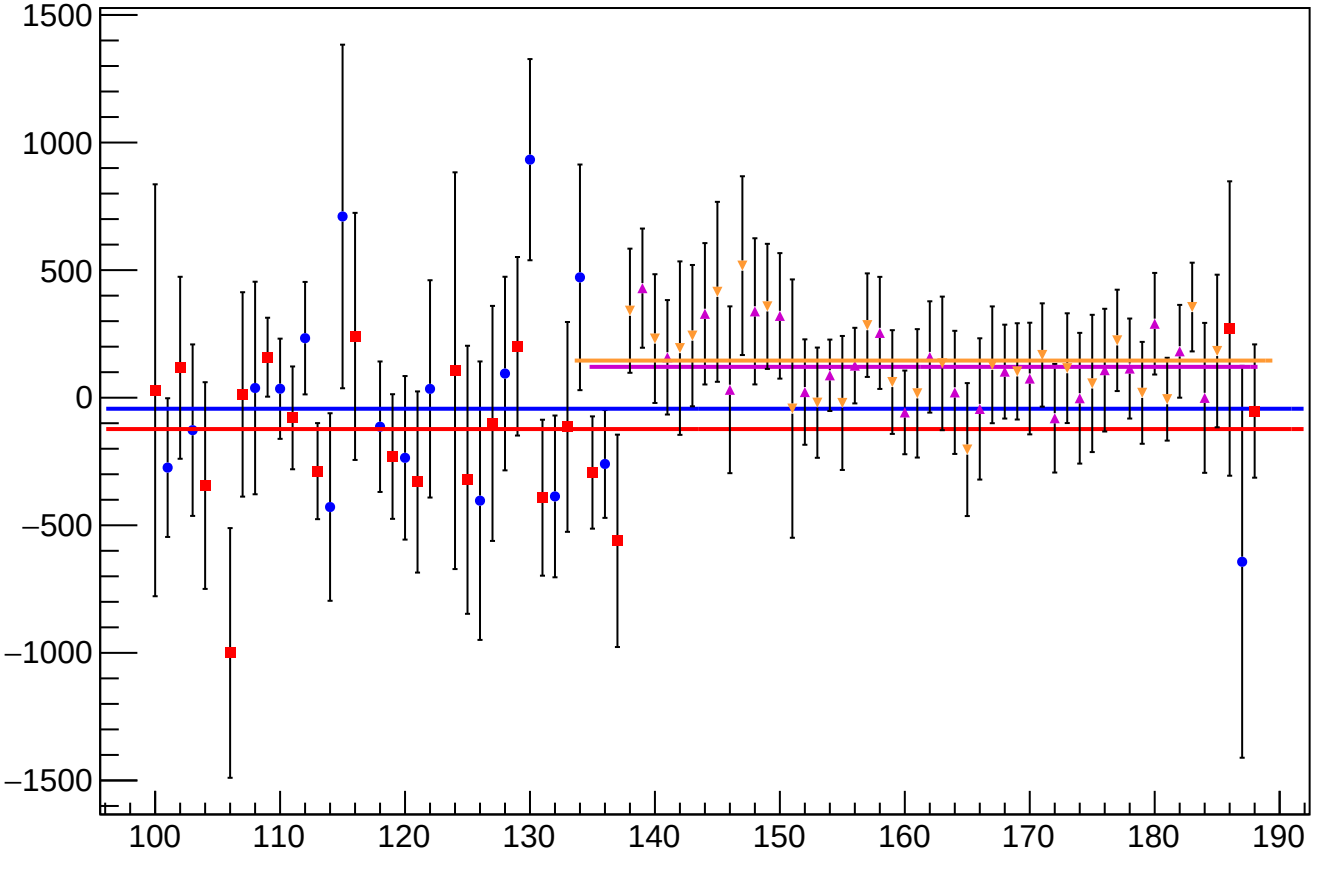
Right: 10.631+/-0.002 χ^2/NDF: 405473.9/37

In: 10.585+/-0.001 χ^2/NDF:320215.4/39

Out: 10.682+/-0.001 χ^2/NDF:386238.9/45

All: 10.635+/-0.001 χ^2/NDF: 708645.1/85

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: -43.259+/-76.532 χ^2/NDF: 16.3/16

Left Out: 145.545+/-46.613 χ^2/NDF:10.3/24

Right Out: -122.857+/-66.169 χ^2/NDF: 13.5/20

Left In: 120.888+/-43.994 χ^2/NDF:8.2/22

Left: 132.504+/-31.994 χ^2/NDF: 18.7/47

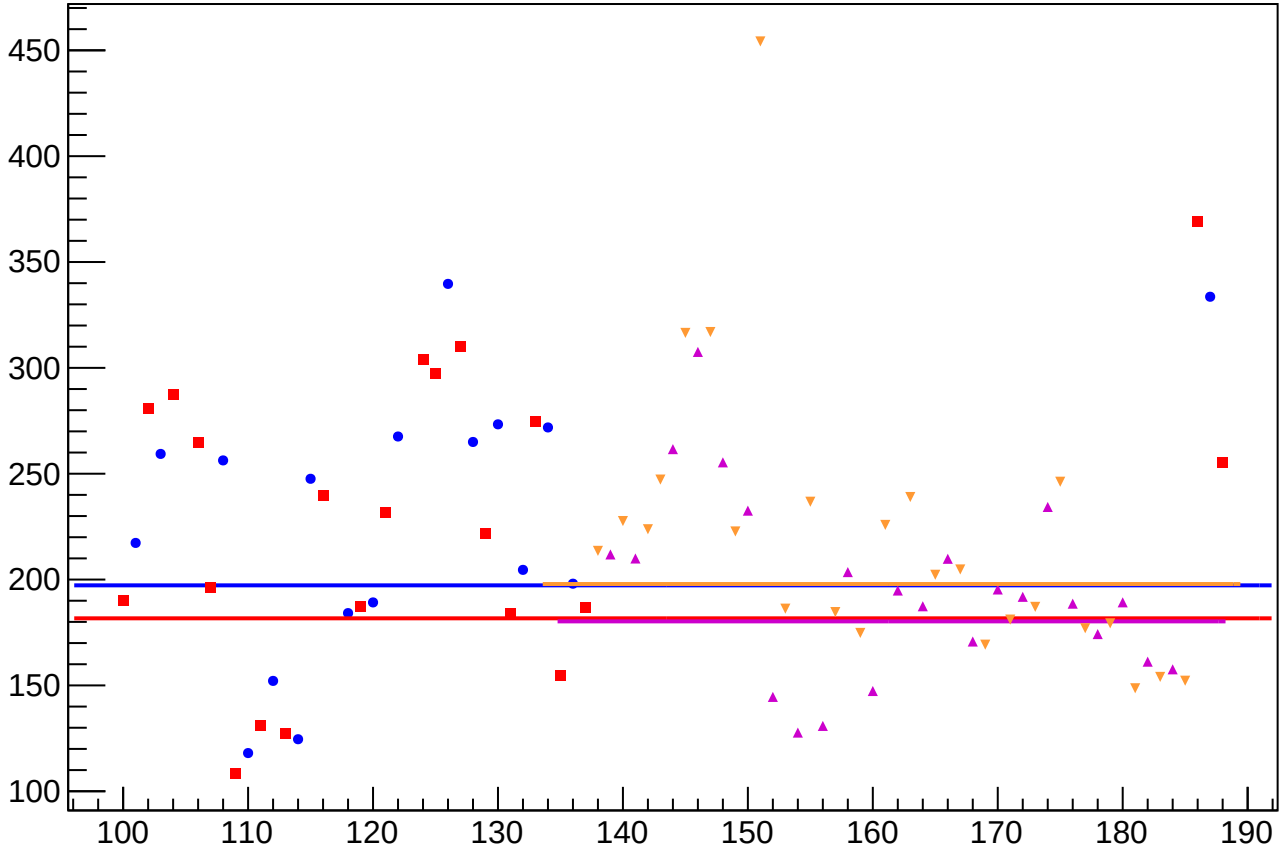
Right: -88.809+/-50.054 χ^2/NDF: 30.3/37

In: 80.118+/-38.141 χ^2/NDF:28.0/39

Out: 56.525+/-38.107 χ^2/NDF:34.7/45

All: 68.311+/-26.958 χ^2/NDF: 62.9/85

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 197.267+/-0.054 χ^2/NDF: 1074678.7/16

Left Out: 197.890+/-0.033 χ^2/NDF:1788849.3/24

Right Out: 181.687+/-0.047 χ^2/NDF: 1994430.0/20

Left In: 180.248+/-0.031 χ^2/NDF:1627777.0/22

Left: 188.560+/-0.023 χ^2/NDF: 3568150.7/47

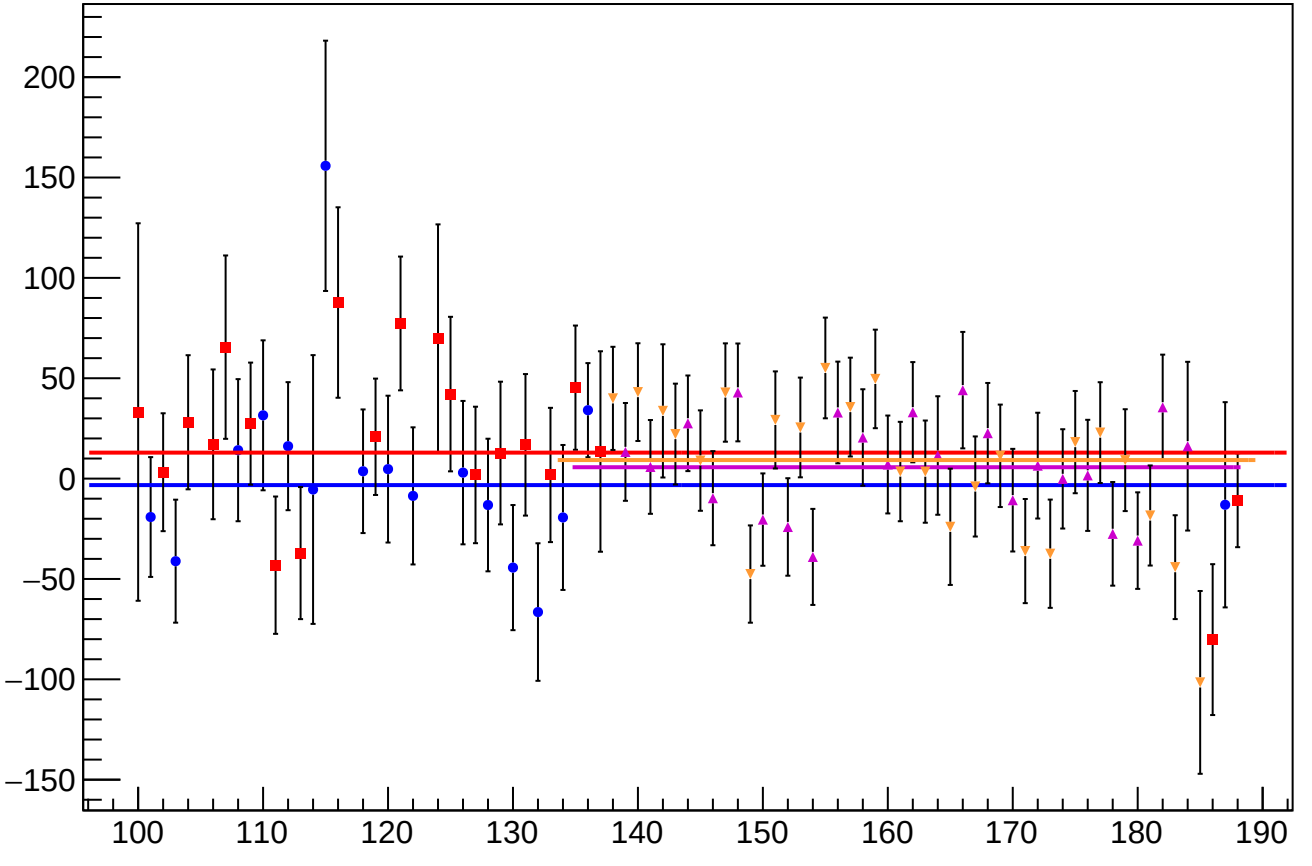
Right: 188.351+/-0.035 χ^2/NDF: 3116543.1/37

In: 184.475+/-0.027 χ^2/NDF:2776797.4/39

Out: 192.516+/-0.027 χ^2/NDF:3863436.0/45

All: 188.499+/-0.019 χ^2/NDF: 6684718.4/85

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -3.236+/-8.341 χ^2/NDF: 18.0/16

Left Out: 9.234+/-5.162 χ^2/NDF:39.4/24

Right Out: 12.941+/-7.652 χ^2/NDF: 23.3/20

Left In: 5.668+/-5.286 χ^2/NDF:20.8/22

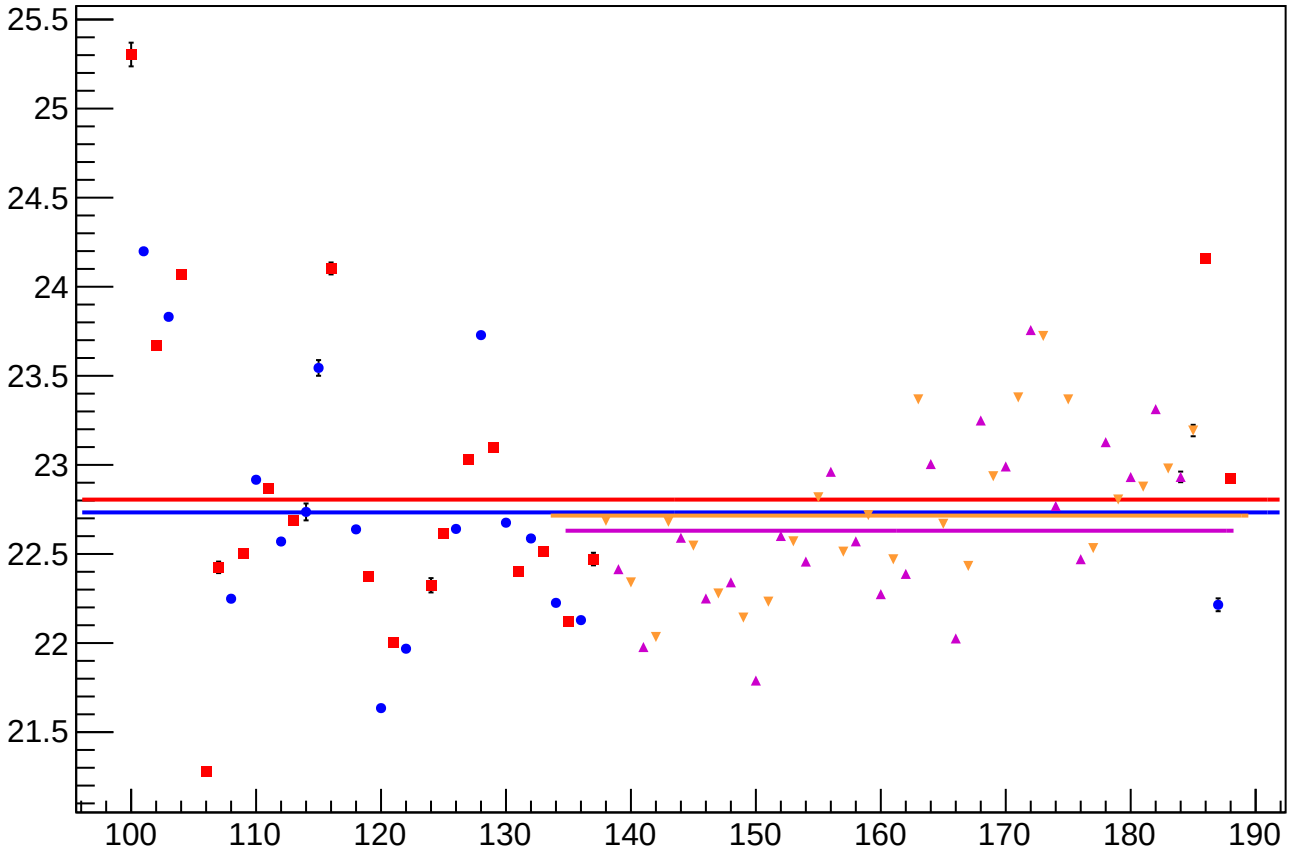
Left: 7.493+/-3.693 χ^2/NDF: 60.5/47

Right: 5.549+/-5.638 χ^2/NDF: 43.3/37

In: 3.116+/-4.465 χ^2/NDF:39.6/39

Out: 10.394+/-4.280 χ^2/NDF:62.9/45

All: 6.910+/-3.090 χ^2/NDF: 103.8/85



Right In: 22.733+/-0.006 χ^2/NDF: 14834.2/16

Left Out: 22.715+/-0.004 χ^2/NDF:12181.4/24

Right Out: 22.805+/-0.005 χ^2/NDF: 17331.0/20

Left In: 22.631+/-0.004 χ^2/NDF:15391.4/22

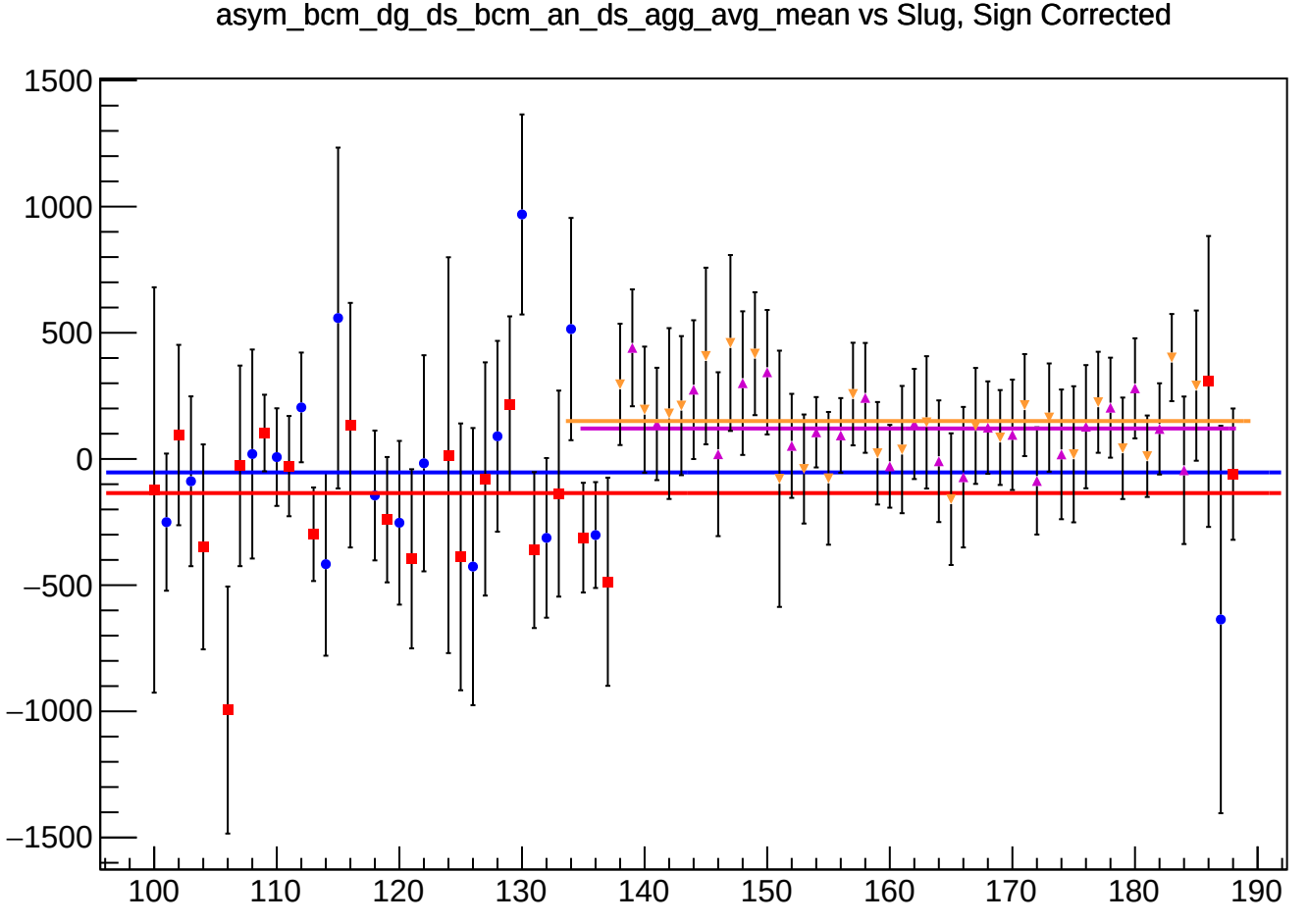
Left: 22.674+/-0.003 χ^2/NDF: 27836.9/47

Right: 22.772+/-0.004 χ^2/NDF: 32245.9/37

In: 22.660+/-0.003 χ^2/NDF:30442.1/39

Out: 22.744+/-0.003 χ^2/NDF:29701.6/45

All: 22.704+/-0.002 χ^2/NDF: 60508.6/85



Right In: -53.321+/-76.193 χ^2/NDF: 16.0/16

Left Out: 150.218+/-46.535 χ^2/NDF:11.0/24

Right Out: -135.158+/-65.718 χ^2/NDF: 12.3/20

Left In: 120.760+/-43.920 χ^2/NDF:7.9/22

Left: 134.638+/-31.941 χ^2/NDF: 19.1/47

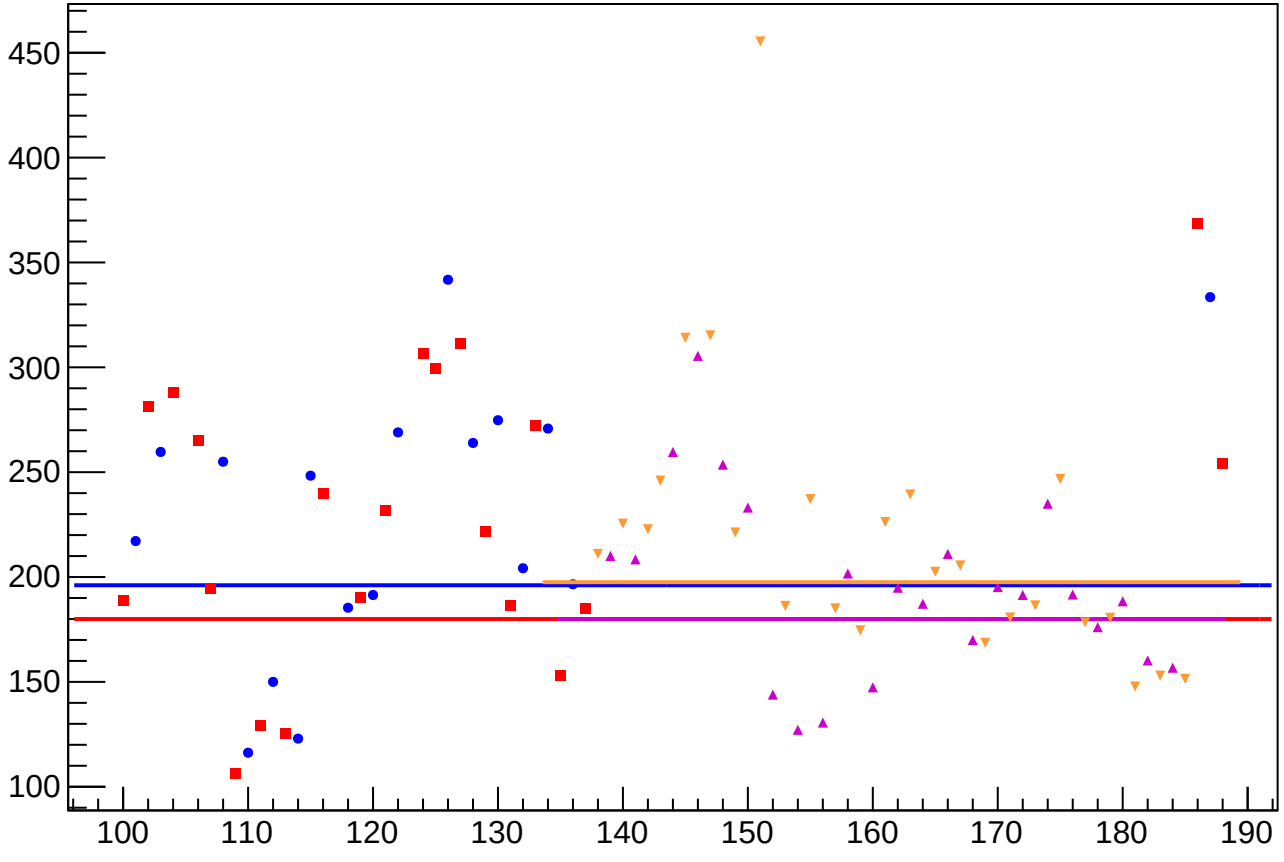
Right: -100.248+/-49.764 χ^2/NDF: 28.9/37

In: 77.343+/-38.051 χ^2/NDF:27.8/39

Out: 54.914+/-37.978 χ^2/NDF:35.8/45

All: 66.107+/-26.880 χ^2/NDF: 63.8/85

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 196.075+/-0.054 χ^2/NDF: 1116996.8/16

Left Out: 197.534+/-0.033 χ^2/NDF:1789891.0/24

Right Out: 179.971+/-0.046 χ^2/NDF: 2073970.6/20

Left In: 179.923+/-0.031 χ^2/NDF:1624144.3/22

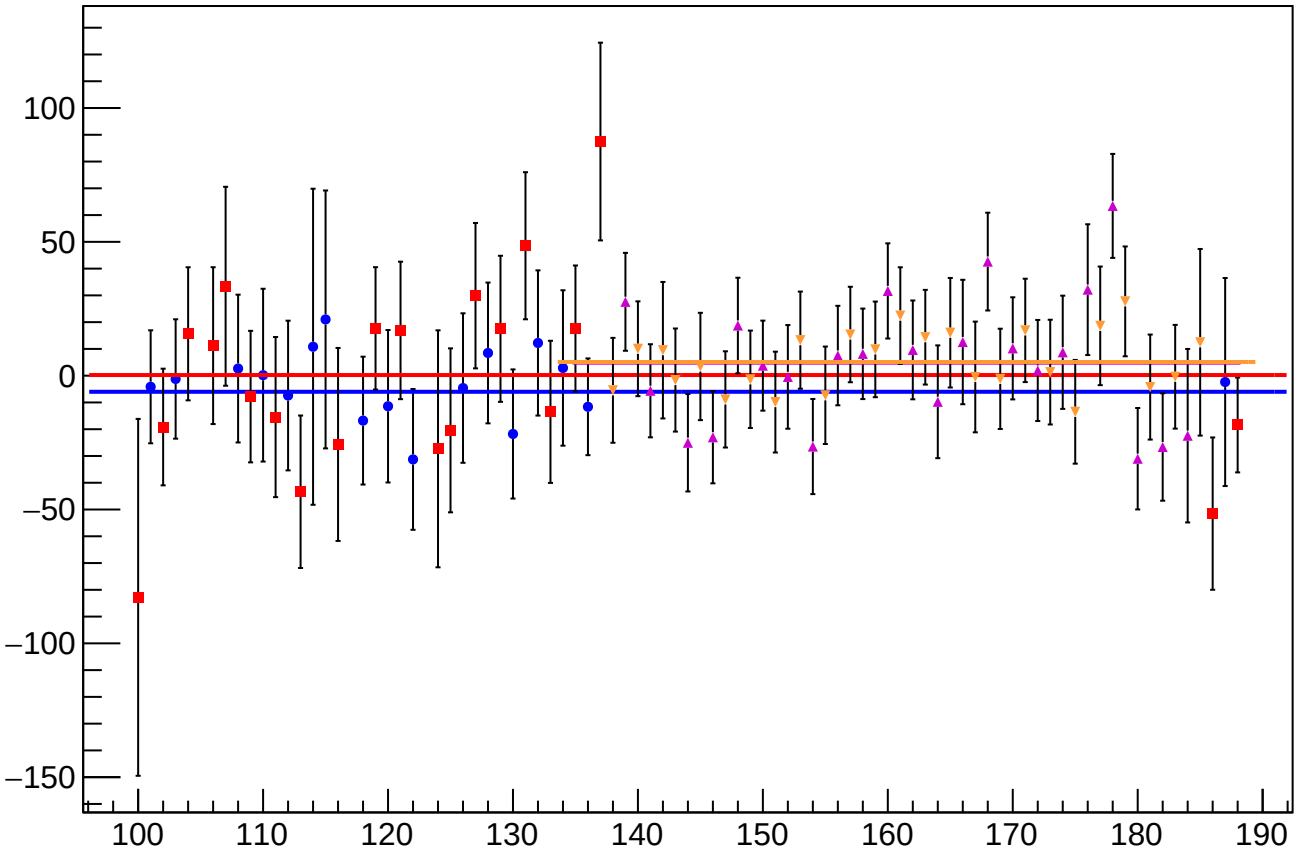
Left: 188.220+/-0.023 χ^2/NDF: 3565525.8/47

Right: 186.841+/-0.035 χ^2/NDF: 3242195.9/37

In: 183.952+/-0.027 χ^2/NDF:2808599.7/39

Out: 191.669+/-0.027 χ^2/NDF:3958997.4/45

All: 187.818+/-0.019 χ^2/NDF: 6808809.5/85



Right In: -6.014+/-6.500 χ^2/NDF: 3.1/16

Left Out: 5.119+/-3.890 χ^2/NDF:7.9/24

Right Out: 0.244+/-5.974 χ^2/NDF: 24.3/20

Left In: 4.858+/-3.980 χ^2/NDF:35.5/22

Left: 4.992+/-2.782 χ^2/NDF: 43.4/47

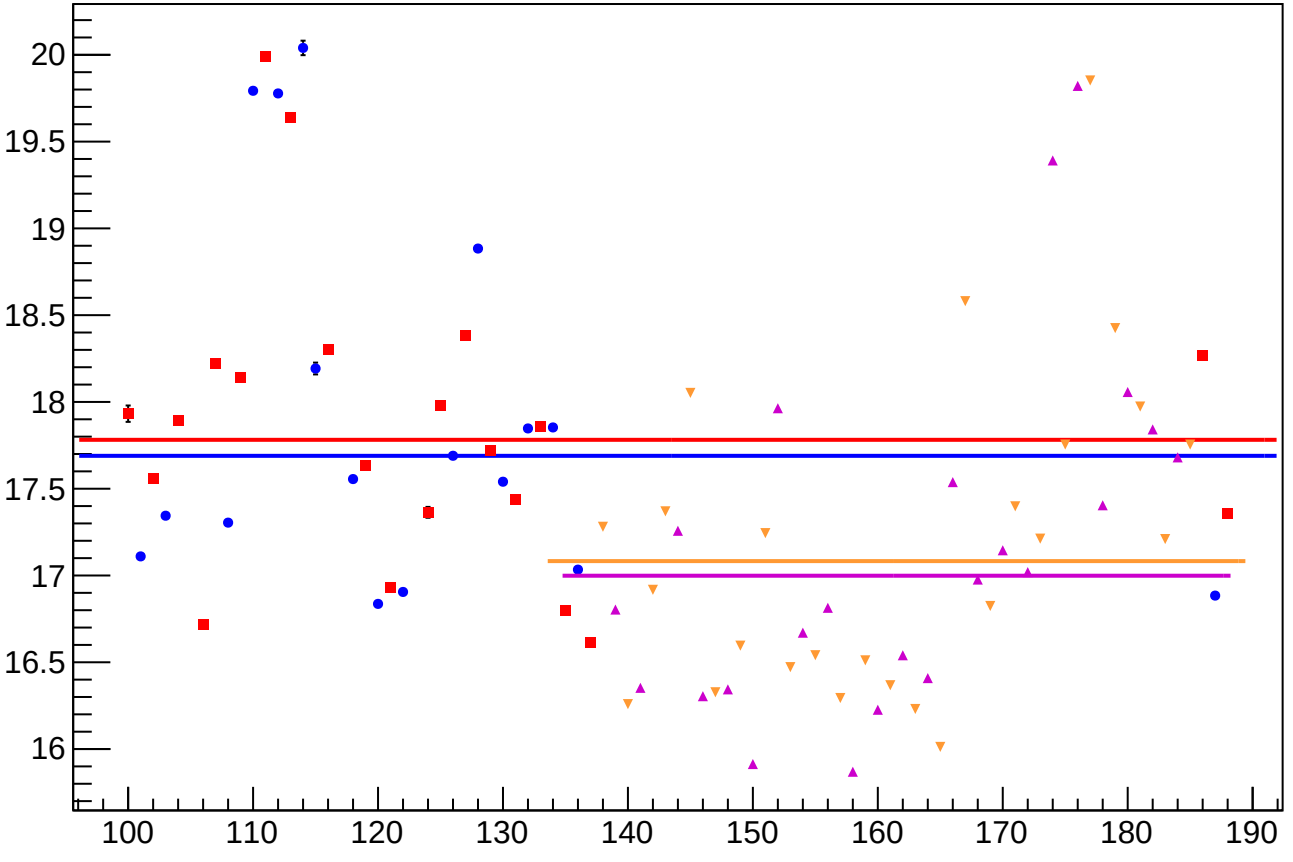
Right: -2.622+/-4.398 χ^2/NDF: 27.9/37

In: 1.893+/-3.394 χ^2/NDF:40.7/39

Out: 3.667+/-3.260 χ^2/NDF:32.6/45

All: 2.816+/-2.351 χ^2/NDF: 73.5/85

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 17.689+/-0.005 χ^2/NDF: 36866.9/16

Left Out: 17.083+/-0.003 χ^2/NDF:96774.9/24

Right Out: 17.782+/-0.004 χ^2/NDF: 34487.3/20

Left In: 16.999+/-0.003 χ^2/NDF:104021.0/22

Left: 17.042+/-0.002 χ^2/NDF: 201253.4/47

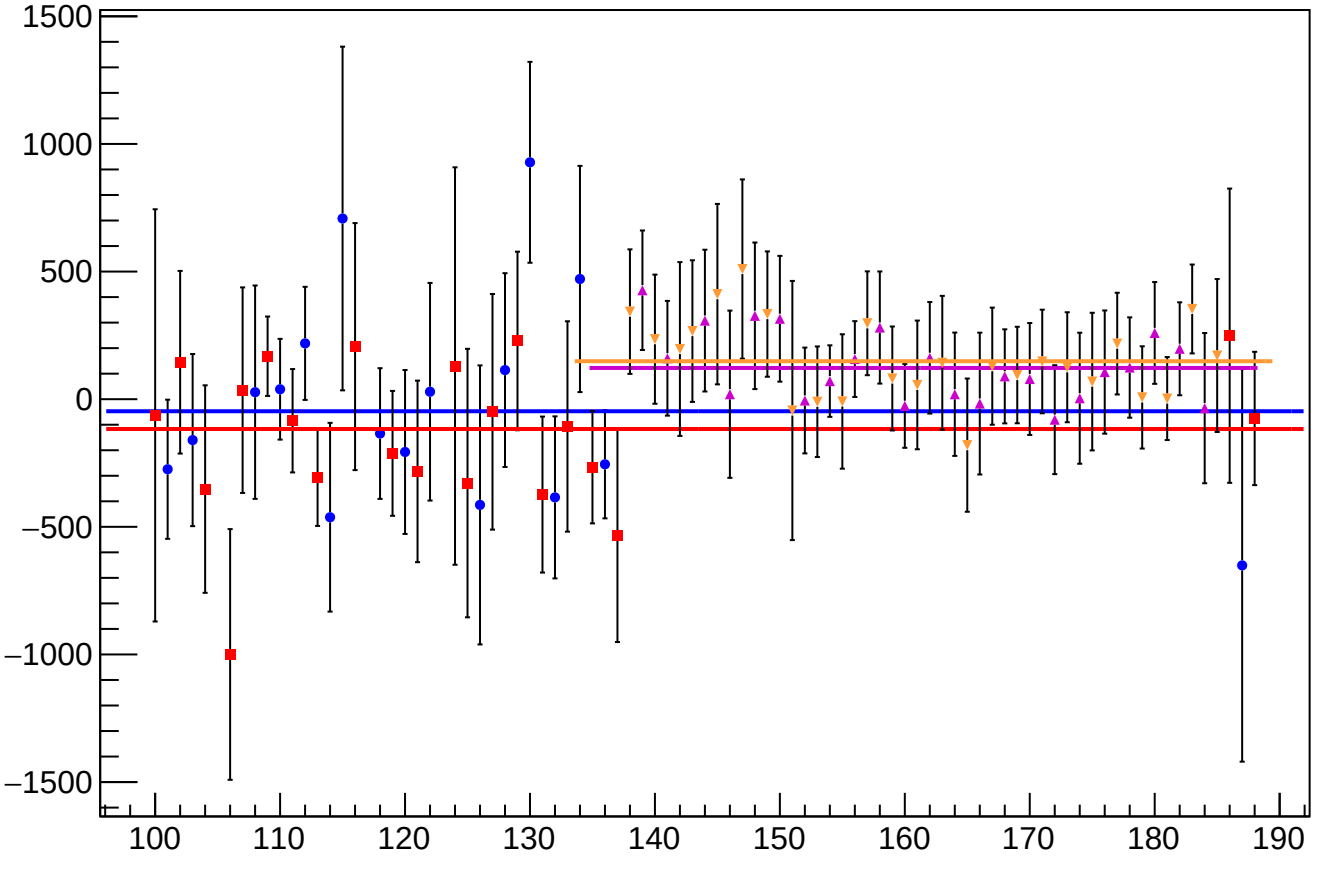
Right: 17.740+/-0.003 χ^2/NDF: 71572.6/37

In: 17.187+/-0.002 χ^2/NDF:157316.9/39

Out: 17.291+/-0.002 χ^2/NDF:150483.6/45

All: 17.241+/-0.002 χ^2/NDF: 308775.0/85

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs Slug, Sign Corrected



Right In: -47.191+/-76.754 χ^2/NDF: 16.2/16

Left Out: 148.758+/-46.714 χ^2/NDF:9.5/24

Right Out: -116.728+/-66.364 χ^2/NDF: 13.3/20

Left In: 122.376+/-44.081 χ^2/NDF:7.9/22

Left: 134.803+/-32.060 χ^2/NDF: 17.6/47

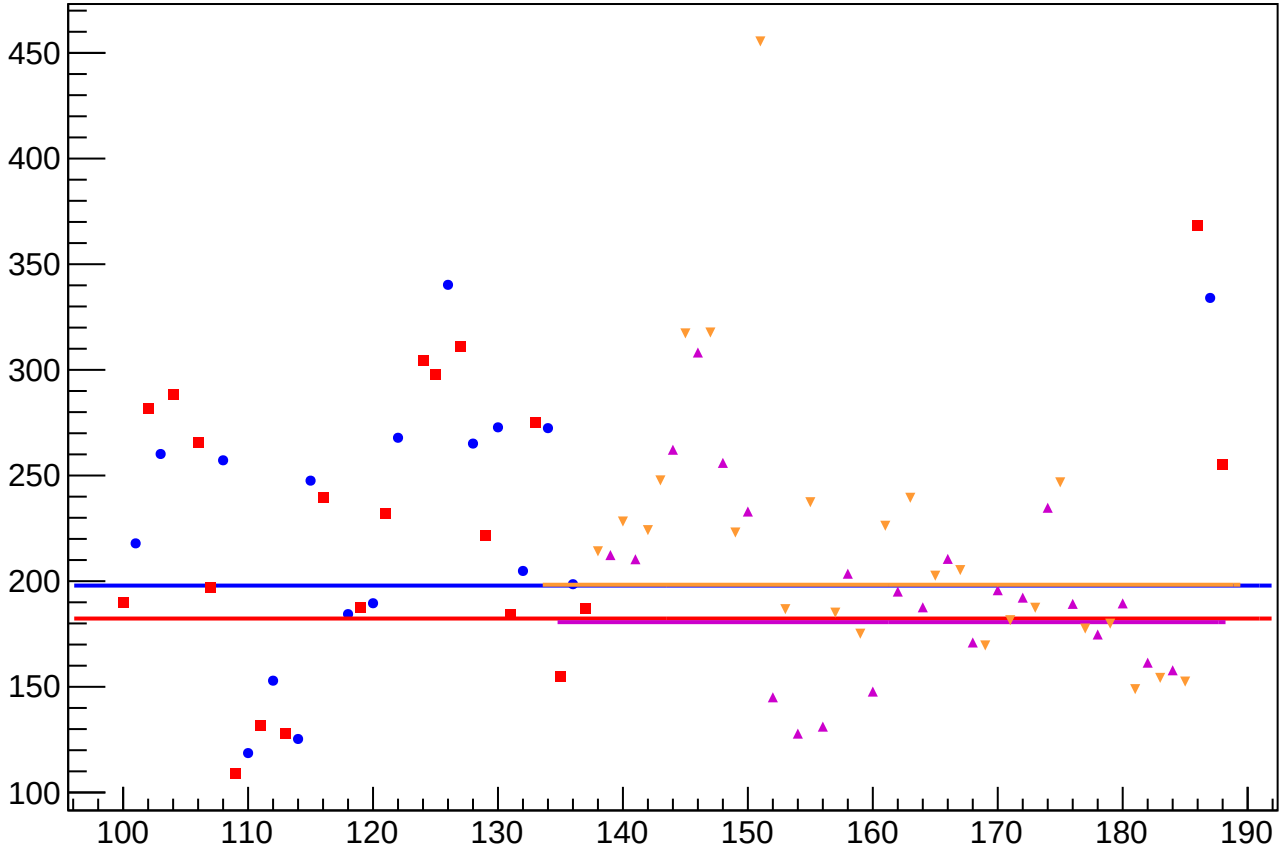
Right: -86.981+/-50.201 χ^2/NDF: 30.0/37

In: 80.318+/-38.225 χ^2/NDF:27.8/39

Out: 60.798+/-38.199 χ^2/NDF:33.6/45

All: 70.551+/-27.020 χ^2/NDF: 61.5/85

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 197.912+/-0.054 χ^2/NDF: 1064086.6/16

Left Out: 198.313+/-0.033 χ^2/NDF:1790279.4/24

Right Out: 182.318+/-0.047 χ^2/NDF: 1978399.6/20

Left In: 180.601+/-0.031 χ^2/NDF:1628072.3/22

Left: 188.944+/-0.023 χ^2/NDF: 3570441.0/47

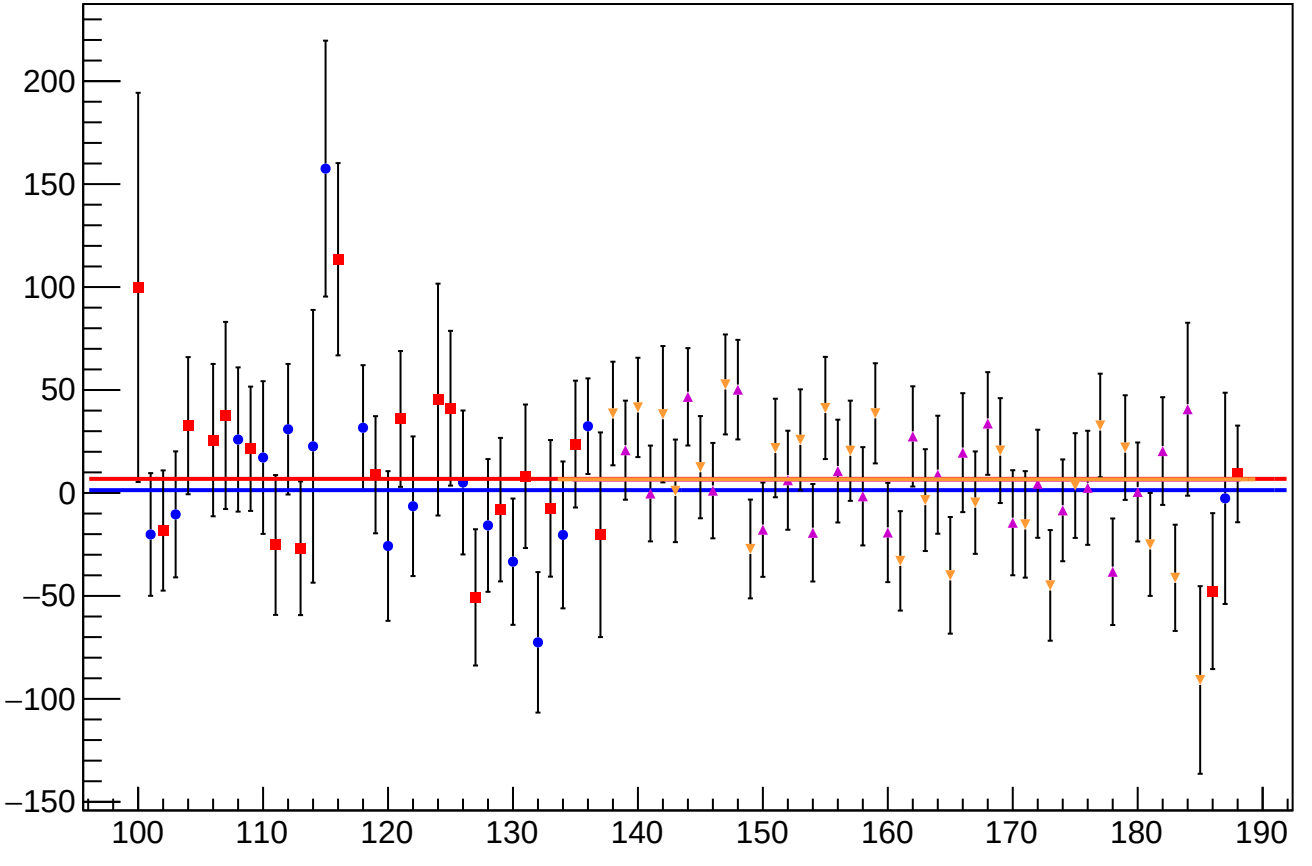
Right: 188.989+/-0.035 χ^2/NDF: 3089728.7/37

In: 184.895+/-0.027 χ^2/NDF:2768659.2/39

Out: 193.014+/-0.027 χ^2/NDF:3846372.2/45

All: 188.957+/-0.019 χ^2/NDF: 6660170.9/85

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 1.369+/-8.261 χ^2/NDF: 18.7/16

Left Out: 6.611+/-5.117 χ^2/NDF:36.9/24

Right Out: 6.850+/-7.582 χ^2/NDF: 18.6/20

Left In: 6.482+/-5.247 χ^2/NDF:17.4/22

Left: 6.548+/-3.663 χ^2/NDF: 54.3/47

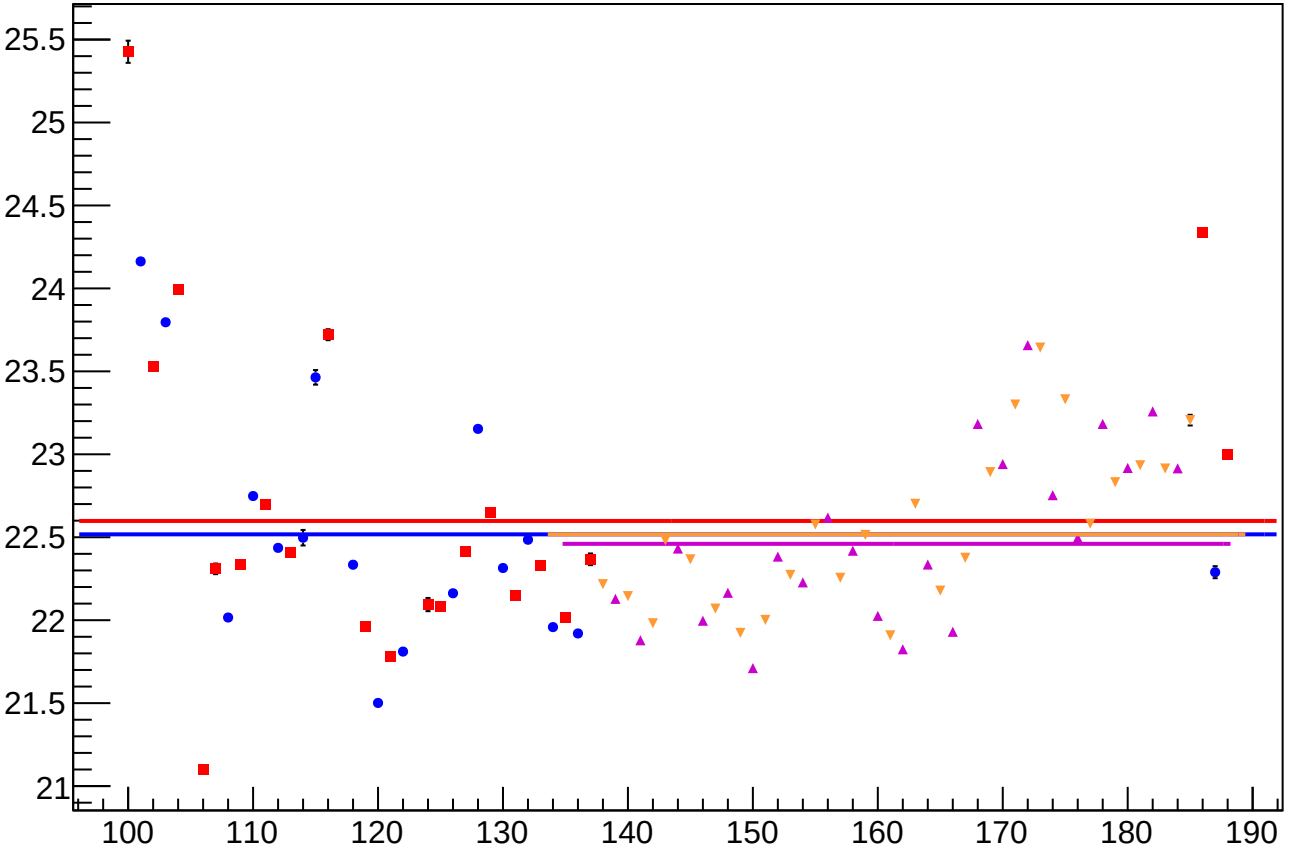
Right: 4.344+/-5.586 χ^2/NDF: 37.5/37

In: 5.012+/-4.429 χ^2/NDF:36.4/39

Out: 6.686+/-4.242 χ^2/NDF:55.5/45

All: 5.885+/-3.063 χ^2/NDF: 92.0/85

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 22.517+/-0.006 χ^2/NDF: 15988.4/16

Left Out: 22.517+/-0.004 χ^2/NDF:16002.5/24

Right Out: 22.598+/-0.005 χ^2/NDF: 20943.0/20

Left In: 22.460+/-0.004 χ^2/NDF:19117.2/22

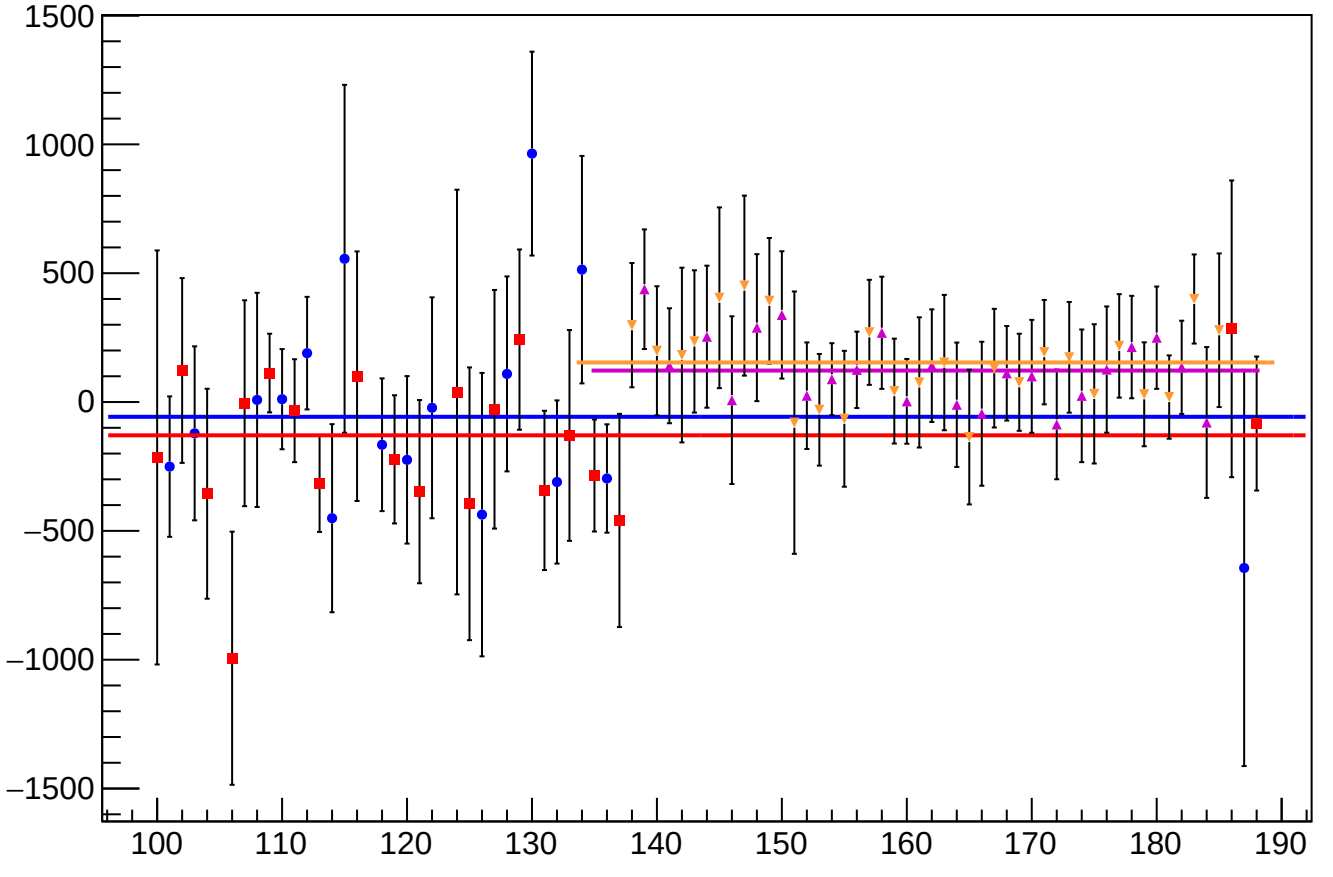
Left: 22.490+/-0.003 χ^2/NDF: 35241.4/47

Right: 22.561+/-0.004 χ^2/NDF: 37035.0/37

In: 22.477+/-0.003 χ^2/NDF:35174.1/39

Out: 22.543+/-0.003 χ^2/NDF:37101.5/45

All: 22.511+/-0.002 χ^2/NDF: 72507.4/85



Right In: -57.348+/-76.417 χ^2/NDF: 15.9/16

Left Out: 153.507+/-46.636 χ^2/NDF:10.1/24

Right Out: -129.132+/-65.917 χ^2/NDF: 12.2/20

Left In: 122.165+/-44.006 χ^2/NDF:7.5/22

Left: 136.928+/-32.006 χ^2/NDF: 17.8/47

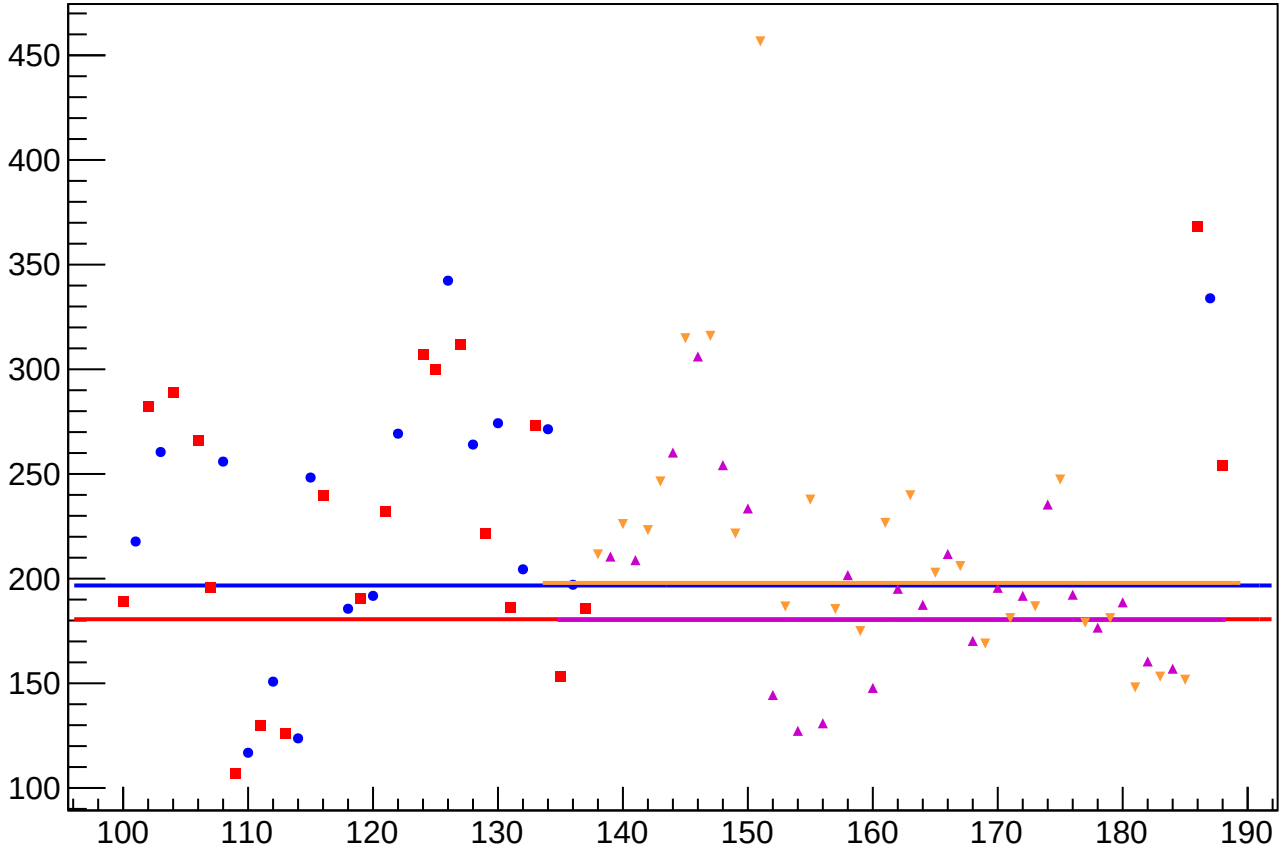
Right: -98.508+/-49.913 χ^2/NDF: 28.6/37

In: 77.460+/-38.135 χ^2/NDF:27.5/39

Out: 59.225+/-38.071 χ^2/NDF:34.5/45

All: 68.327+/-26.943 χ^2/NDF: 62.1/85

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 196.730+/-0.054 χ^2/NDF: 1105776.3/16

Left Out: 197.957+/-0.033 χ^2/NDF:1791354.6/24

Right Out: 180.615+/-0.047 χ^2/NDF: 2057040.7/20

Left In: 180.274+/-0.031 χ^2/NDF:1624682.7/22

Left: 188.603+/-0.023 χ^2/NDF: 3568141.6/47

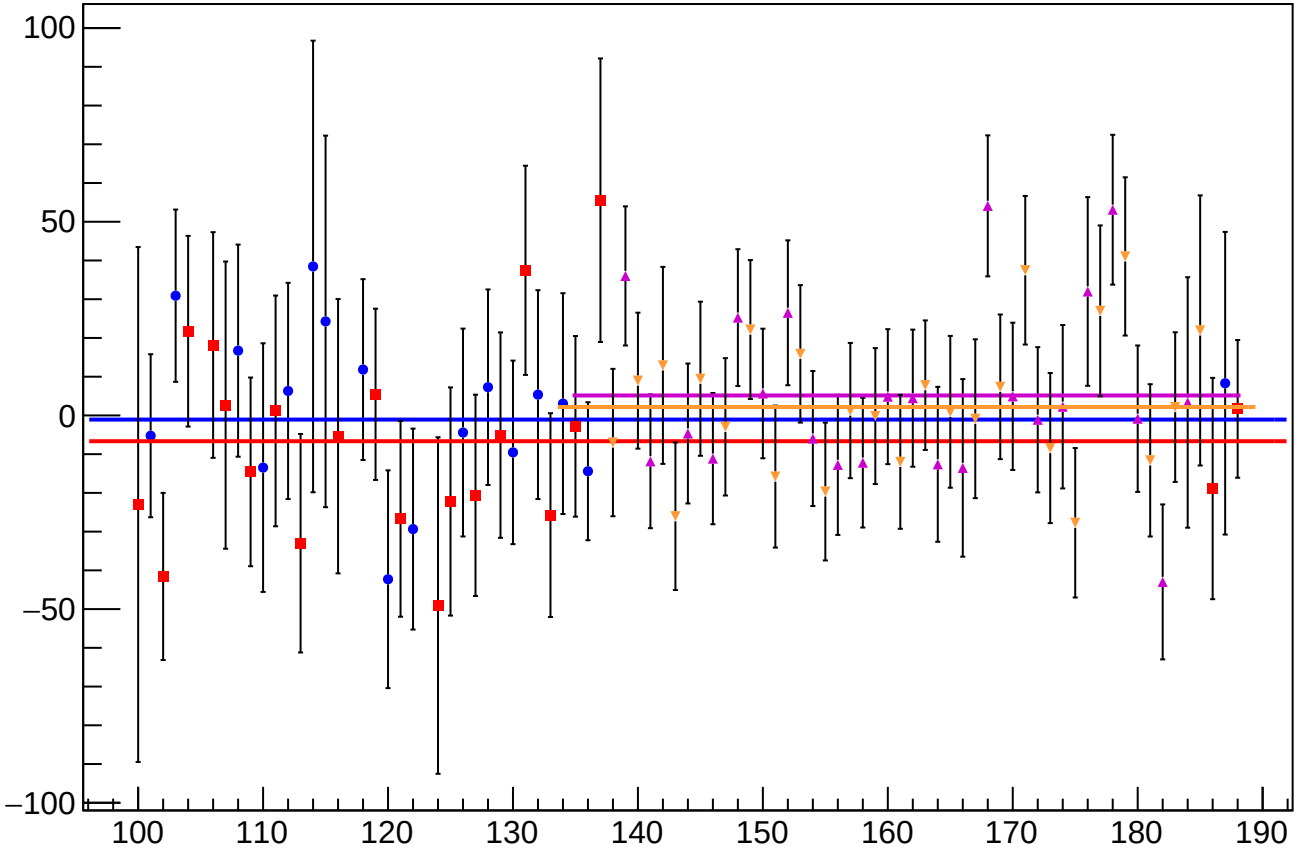
Right: 187.490+/-0.035 χ^2/NDF: 3213813.6/37

In: 184.372+/-0.027 χ^2/NDF:2800108.2/39

Out: 192.172+/-0.027 χ^2/NDF:3940646.9/45

All: 188.279+/-0.019 χ^2/NDF: 6782659.5/85

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



Right In: -1.071+/-6.410 χ^2/NDF: 8.1/16

Left Out: 2.174+/-3.825 χ^2/NDF:20.0/24

Right Out: -6.657+/-5.894 χ^2/NDF: 14.8/20

Left In: 5.150+/-3.924 χ^2/NDF:32.3/22

Left: 3.624+/-2.739 χ^2/NDF: 52.5/47

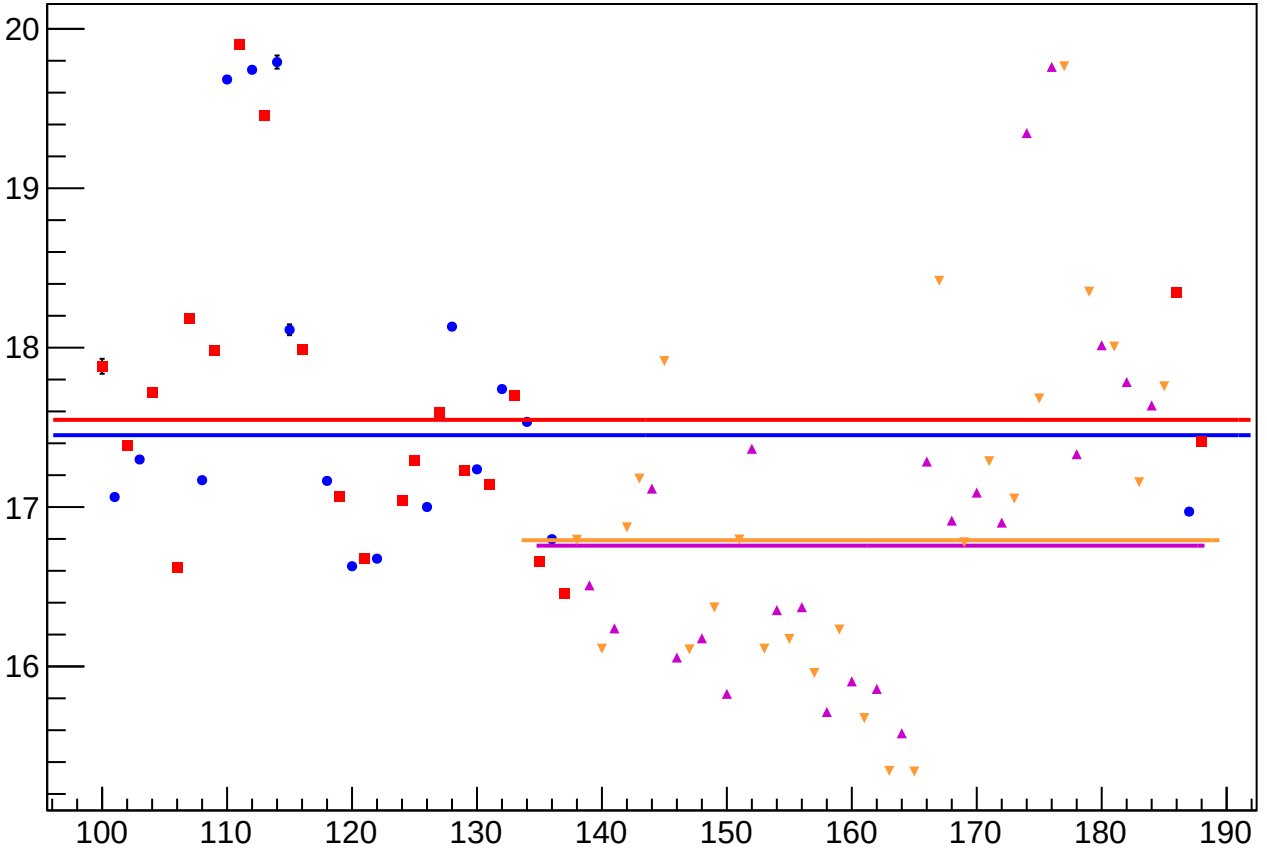
Right: -4.098+/-4.339 χ^2/NDF: 23.3/37

In: 3.455+/-3.347 χ^2/NDF:41.0/39

Out: -0.444+/-3.209 χ^2/NDF:36.4/45

All: 1.423+/-2.316 χ^2/NDF: 78.1/85

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 17.451+/-0.005 χ^2/NDF: 36959.7/16

Left Out: 16.792+/-0.003 χ^2/NDF:137000.5/24

Right Out: 17.547+/-0.004 χ^2/NDF: 36425.6/20

Left In: 16.758+/-0.003 χ^2/NDF:123306.8/22

Left: 16.775+/-0.002 χ^2/NDF: 260385.1/47

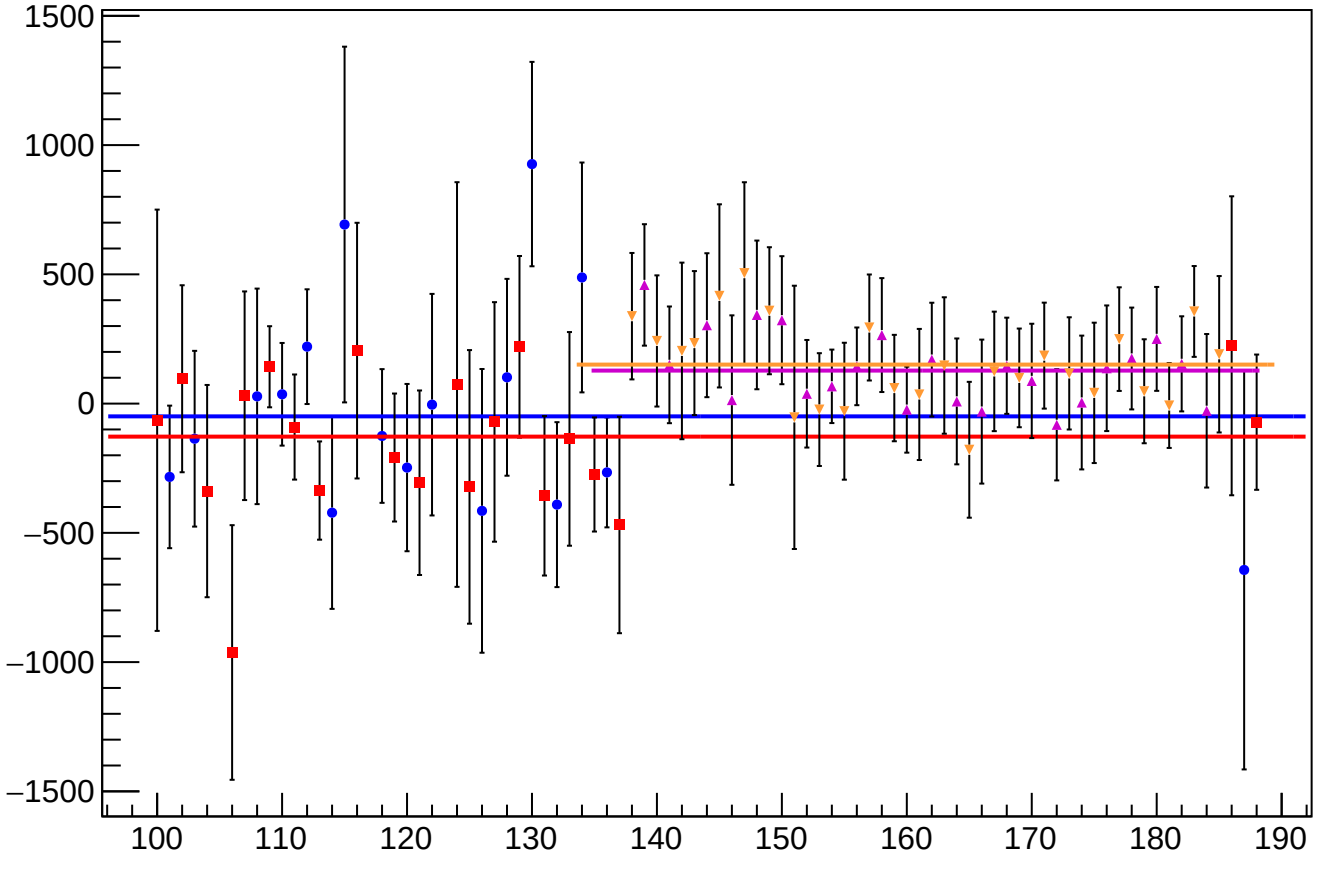
Right: 17.503+/-0.003 χ^2/NDF: 73629.8/37

In: 16.947+/-0.002 χ^2/NDF:177273.9/39

Out: 17.016+/-0.002 χ^2/NDF:196531.5/45

All: 16.983+/-0.002 χ^2/NDF: 374249.3/85

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: -49.390+/-77.195 χ^2/NDF: 16.1/16

Left Out: 150.884+/-47.035 χ^2/NDF:10.0/24

Right Out: -127.743+/-66.772 χ^2/NDF: 12.0/20

Left In: 127.710+/-44.426 χ^2/NDF:7.8/22

Left: 138.637+/-32.297 χ^2/NDF: 17.9/47

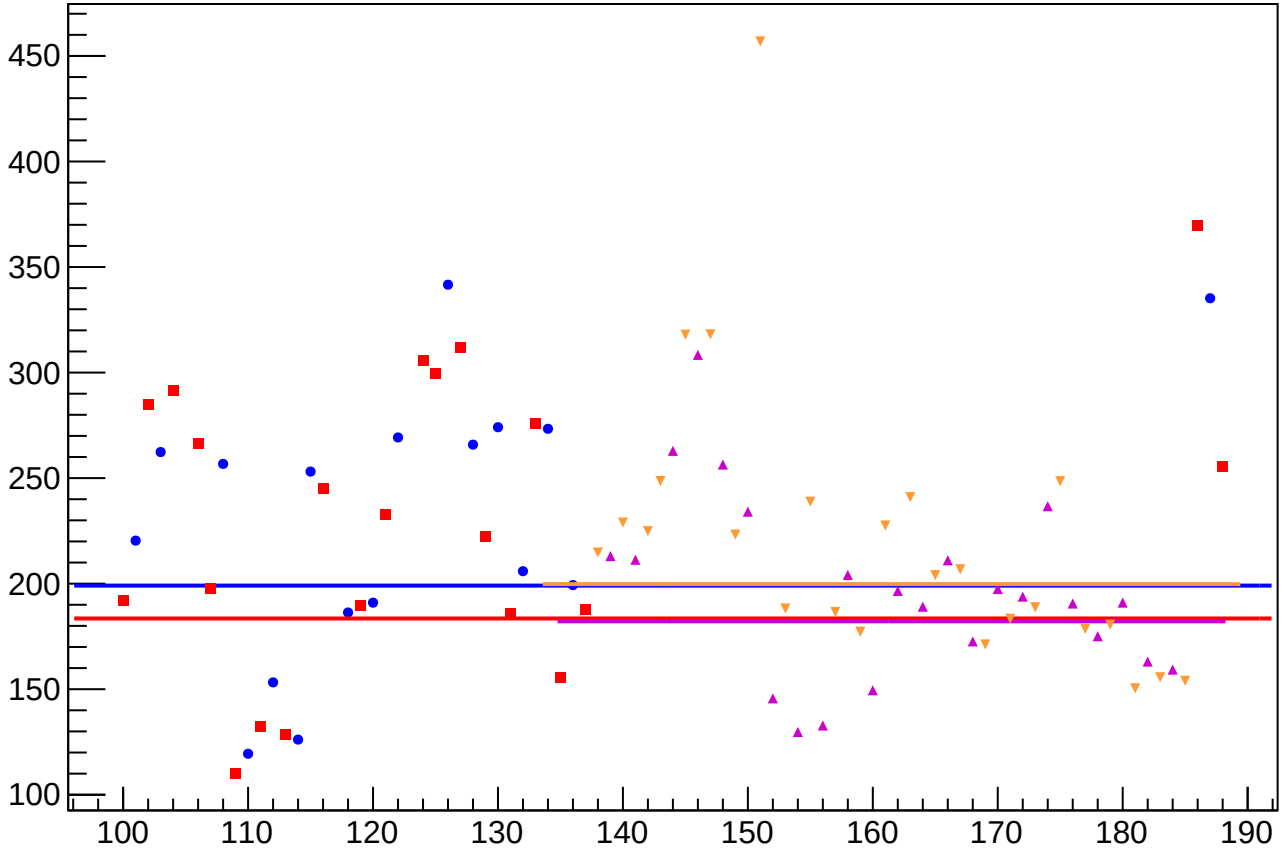
Right: -94.209+/-50.501 χ^2/NDF: 28.6/37

In: 83.647+/-38.505 χ^2/NDF:27.8/39

Out: 58.480+/-38.453 χ^2/NDF:33.6/45

All: 71.046+/-27.209 χ^2/NDF: 61.6/85

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 199.083+/-0.055 χ^2/NDF: 1063202.4/16

Left Out: 199.785+/-0.033 χ^2/NDF:1760326.2/24

Right Out: 183.509+/-0.047 χ^2/NDF: 1975330.1/20

Left In: 182.150+/-0.031 χ^2/NDF:1584358.1/22

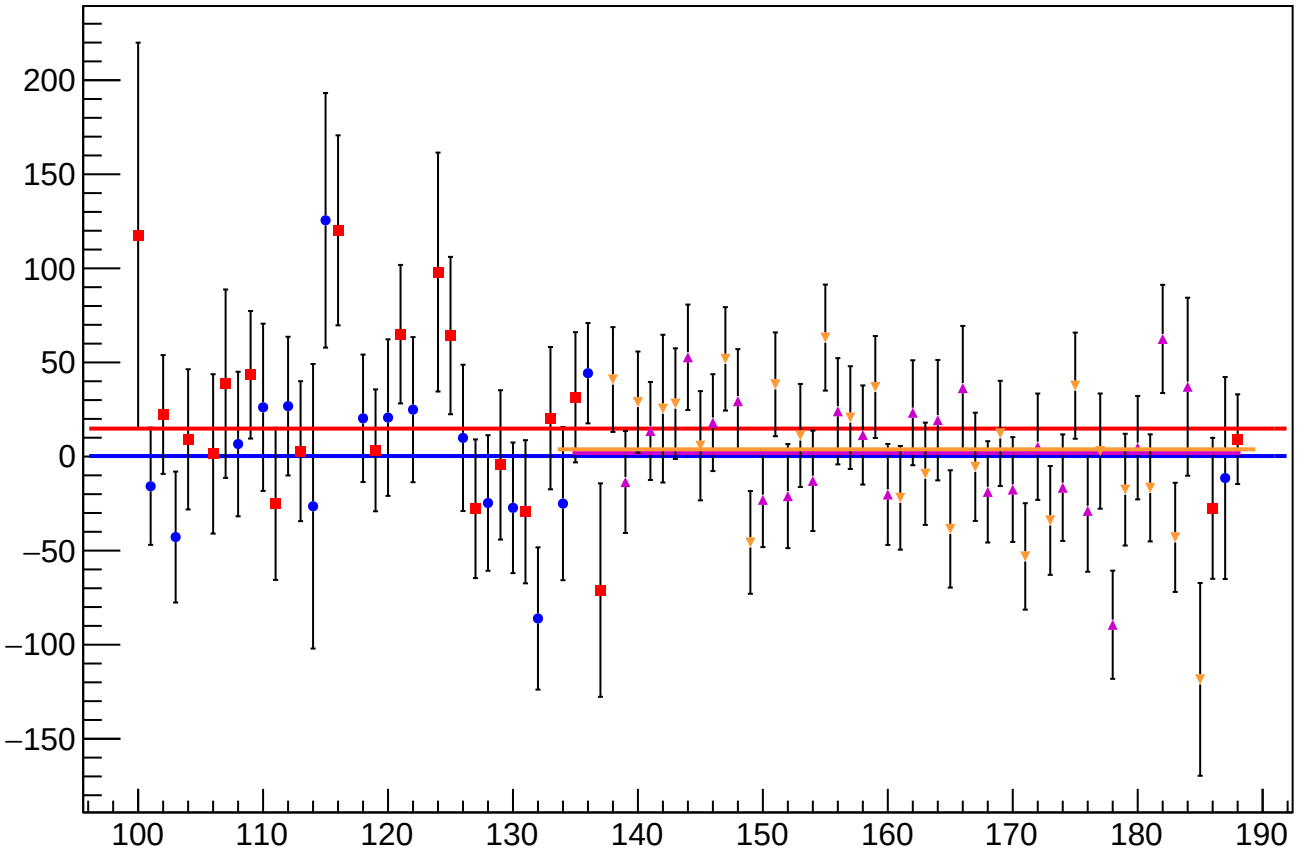
Left: 190.465+/-0.023 χ^2/NDF: 3493266.0/47

Right: 190.174+/-0.036 χ^2/NDF: 3085103.7/37

In: 186.363+/-0.027 χ^2/NDF:2719853.0/39

Out: 194.387+/-0.027 χ^2/NDF:3815082.1/45

All: 190.381+/-0.019 χ^2/NDF: 6578416.7/85



Right In: 0.259+/-9.280 χ^2/NDF: 16.8/16

Left Out: 3.831+/-5.789 χ^2/NDF:37.6/24

Right Out: 14.848+/-8.372 χ^2/NDF: 19.5/20

Left In: 1.850+/-5.893 χ^2/NDF:28.1/22

Left: 2.858+/-4.130 χ^2/NDF: 65.7/47

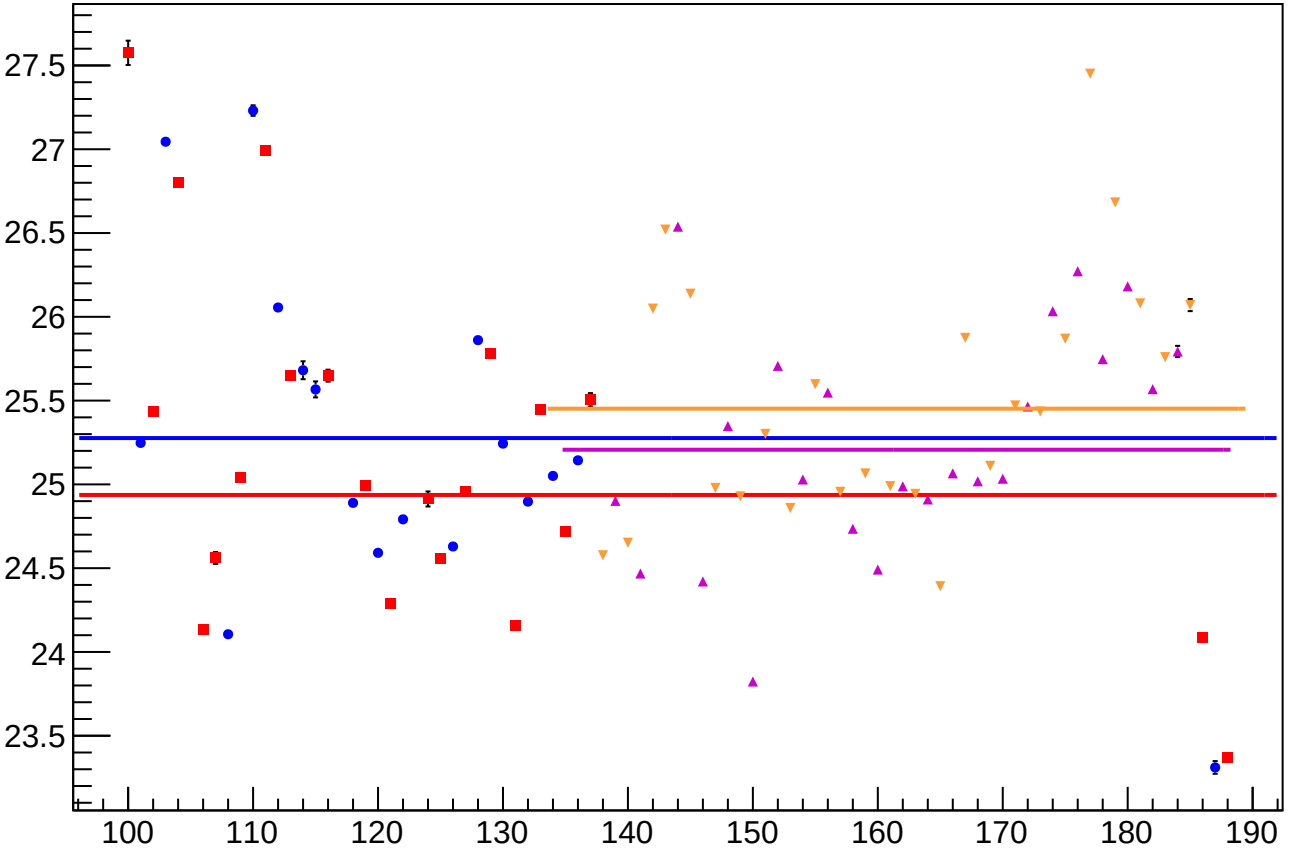
Right: 8.301+/-6.216 χ^2/NDF: 37.6/37

In: 1.393+/-4.975 χ^2/NDF:44.9/39

Out: 7.394+/-4.762 χ^2/NDF:58.2/45

All: 4.525+/-3.440 χ^2/NDF: 103.9/85

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 25.276+/-0.007 χ^2/NDF: 17080.0/16

Left Out: 25.452+/-0.004 χ^2/NDF:29612.4/24

Right Out: 24.937+/-0.006 χ^2/NDF: 26809.5/20

Left In: 25.207+/-0.004 χ^2/NDF:25827.4/22

Left: 25.332+/-0.003 χ^2/NDF: 57199.0/47

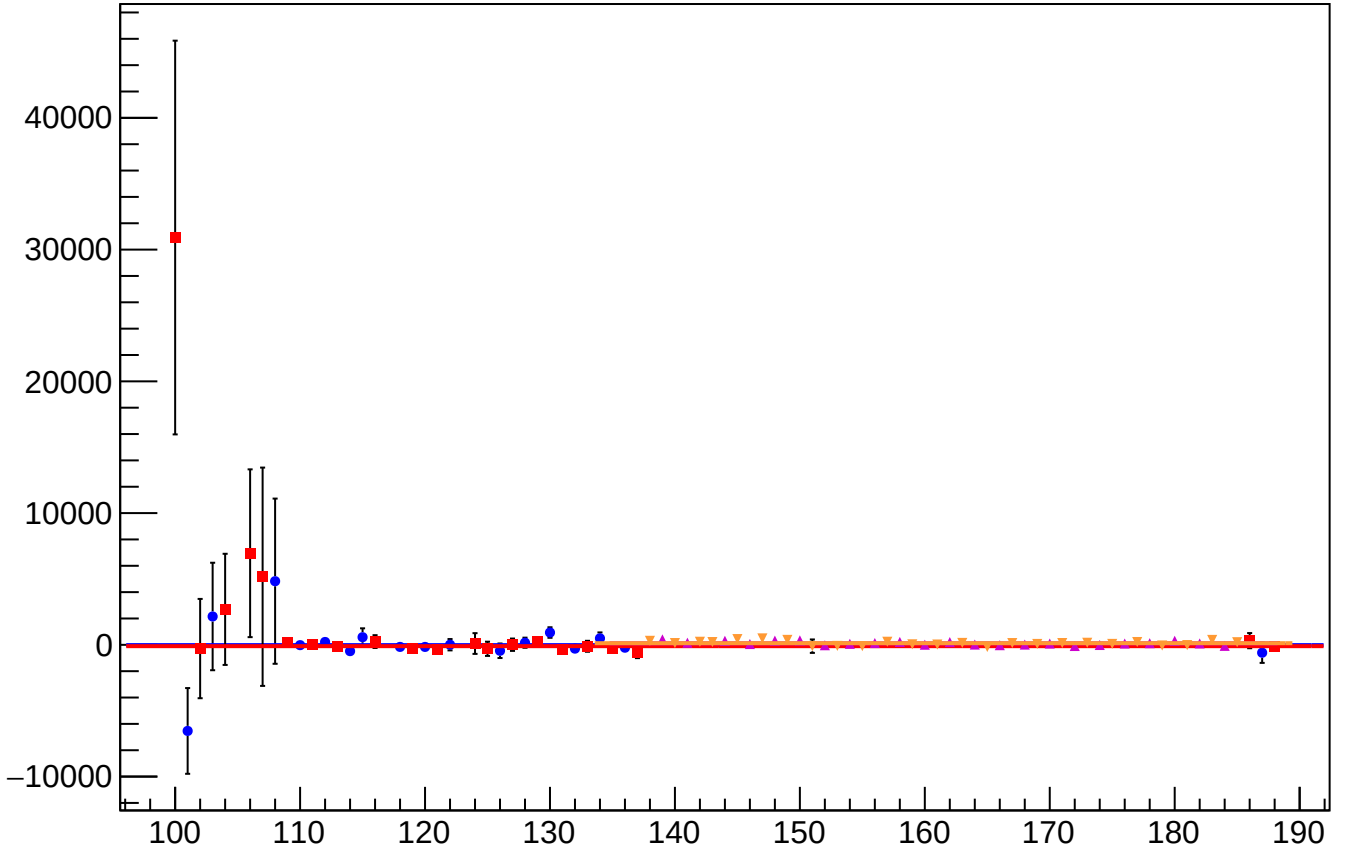
Right: 25.089+/-0.004 χ^2/NDF: 45365.1/37

In: 25.227+/-0.004 χ^2/NDF:42987.6/39

Out: 25.285+/-0.003 χ^2/NDF:61539.1/45

All: 25.257+/-0.002 χ^2/NDF: 104670.9/85

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs Slug, Sign Corrected



Right In: -22.384+/-84.195 χ^2/NDF: 18.9/16

Left Out: 125.161+/-46.925 χ^2/NDF:11.1/24

Right Out: -101.235+/-74.208 χ^2/NDF: 14.6/20

Left In: 117.291+/-44.871 χ^2/NDF:8.0/22

Left: 121.050+/-32.431 χ^2/NDF: 19.1/47

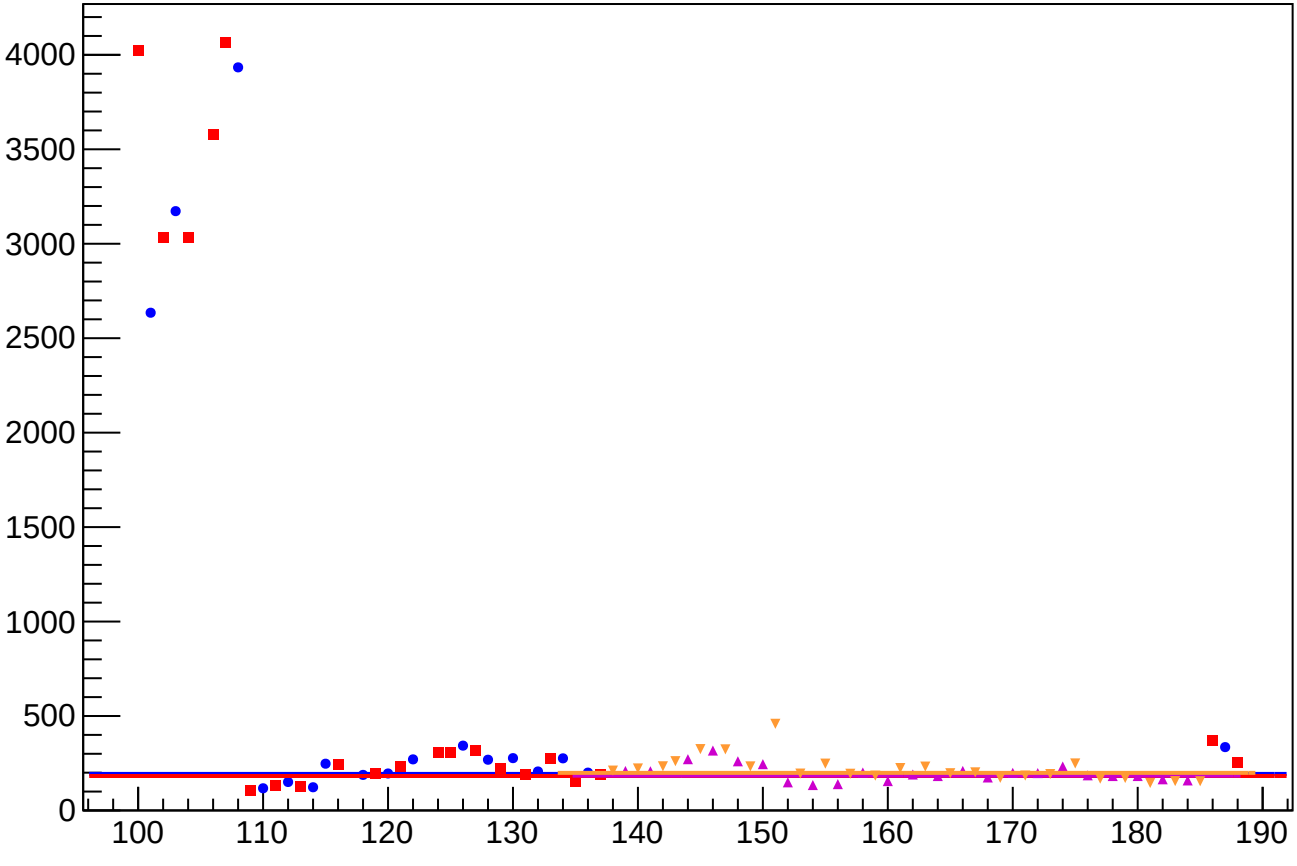
Right: -66.761+/-55.671 χ^2/NDF: 33.9/37

In: 86.395+/-39.599 χ^2/NDF:29.0/39

Out: 60.492+/-39.661 χ^2/NDF:32.3/45

All: 73.464+/-28.023 χ^2/NDF: 61.5/85

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 193.444+/-0.060 χ^2/NDF: 3890211.5/16

Left Out: 198.994+/-0.033 χ^2/NDF:1902155.1/24

Right Out: 182.400+/-0.052 χ^2/NDF: 4699526.1/20

Left In: 184.399+/-0.032 χ^2/NDF:1446306.0/22

Left: 191.370+/-0.023 χ^2/NDF: 3449526.4/47

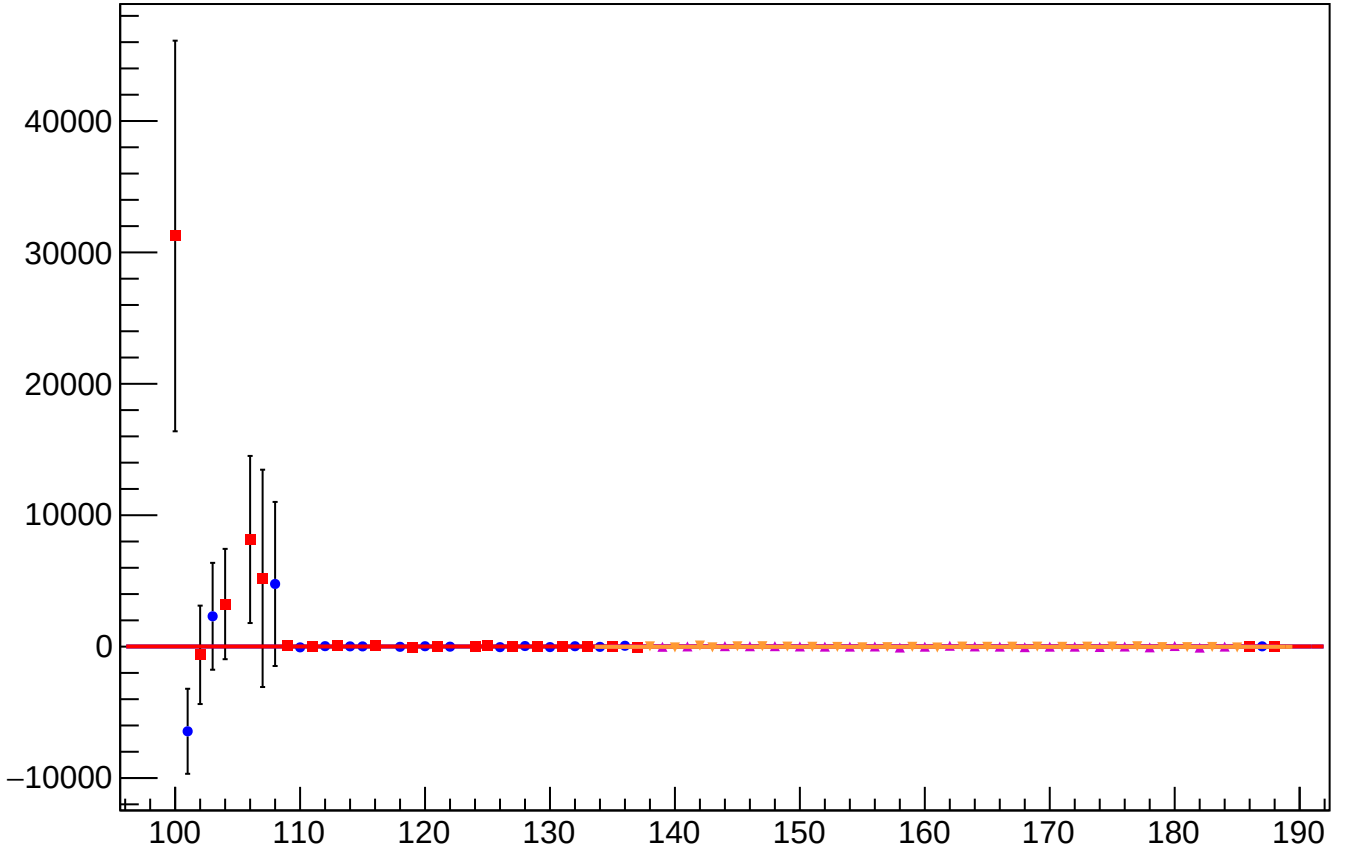
Right: 187.228+/-0.039 χ^2/NDF: 8609106.7/37

In: 186.400+/-0.028 χ^2/NDF:5354495.3/39

Out: 194.254+/-0.028 χ^2/NDF:6673124.0/45

All: 190.321+/-0.020 χ^2/NDF: 12066897.5/85

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 9.927+/-11.521 χ^2/NDF: 16.0/16

Left Out: -14.827+/-6.512 χ^2/NDF:22.2/24

Right Out: 12.431+/-10.694 χ^2/NDF: 26.7/20

Left In: 2.172+/-6.703 χ^2/NDF:28.3/22

Left: -6.574+/-4.671 χ^2/NDF: 53.9/47

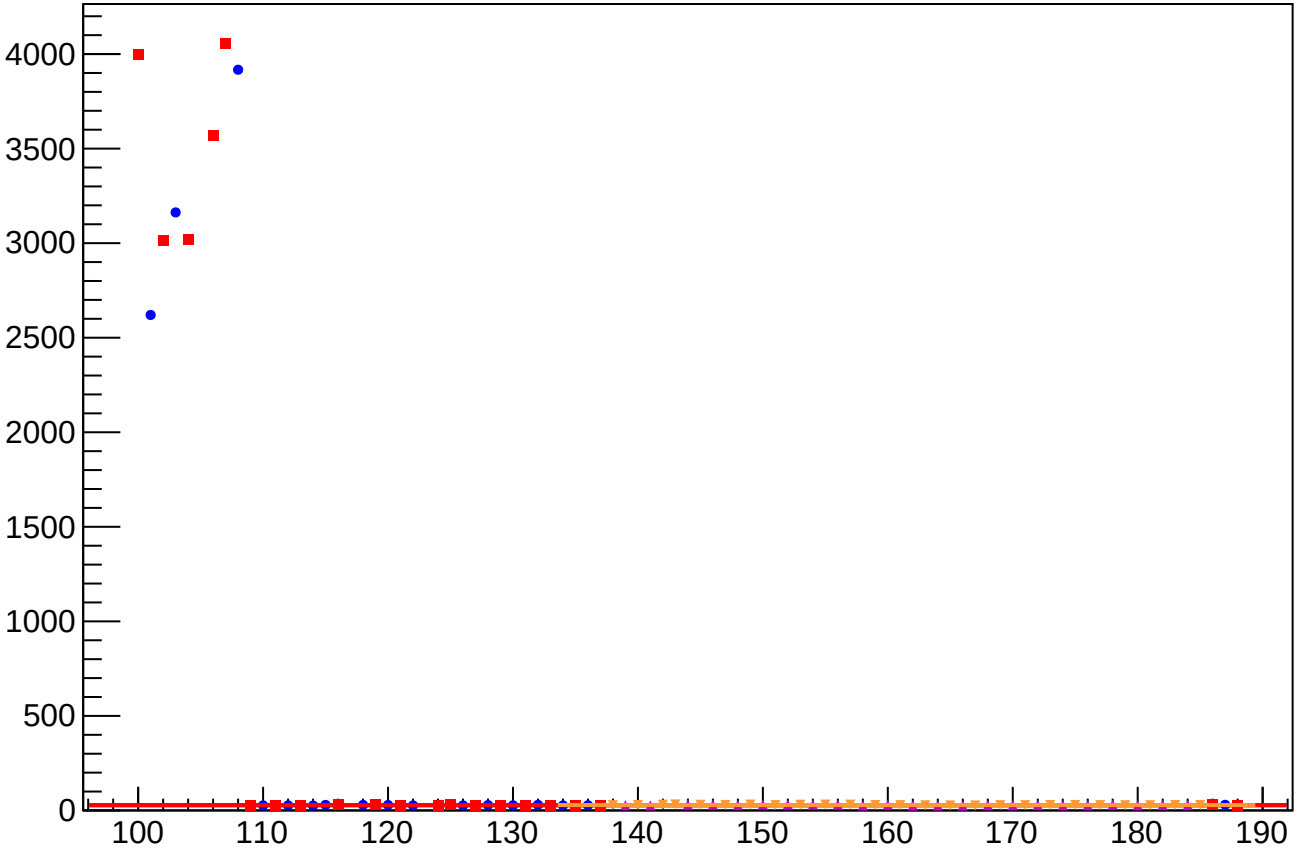
Right: 11.272+/-7.838 χ^2/NDF: 42.7/37

In: 4.134+/-5.794 χ^2/NDF:44.7/39

Out: -7.455+/-5.562 χ^2/NDF:53.7/45

All: -1.898+/-4.012 χ^2/NDF: 100.4/85

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 27.700+/-0.008 χ^2/NDF: 3267304.1/16

Left Out: 28.586+/-0.005 χ^2/NDF:88130.9/24

Right Out: 27.838+/-0.008 χ^2/NDF: 3572073.1/20

Left In: 28.606+/-0.005 χ^2/NDF:122928.2/22

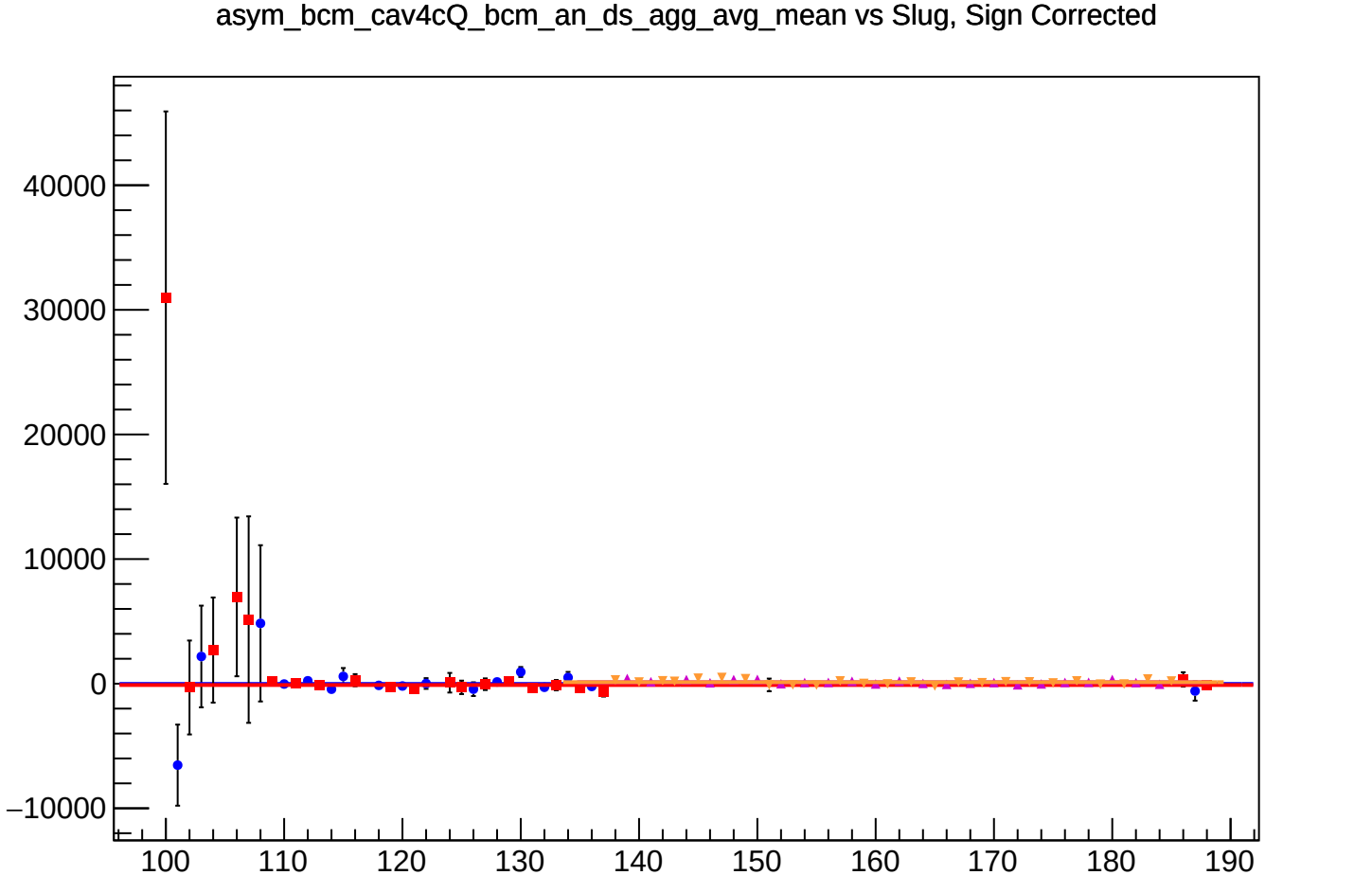
Left: 28.595+/-0.003 χ^2/NDF: 211068.4/47

Right: 27.774+/-0.006 χ^2/NDF: 6839532.0/37

In: 28.377+/-0.004 χ^2/NDF:3399465.3/39

Out: 28.384+/-0.004 χ^2/NDF:3667327.4/45

All: 28.380+/-0.003 χ^2/NDF: 7066794.1/85



Right In: -20.003+/-83.952 χ^2/NDF: 18.9/16

Left Out: 121.915+/-46.825 χ^2/NDF:12.0/24

Right Out: -107.391+/-74.009 χ^2/NDF: 15.1/20

Left In: 116.243+/-44.786 χ^2/NDF:8.4/22

Left: 118.953+/-32.365 χ^2/NDF: 20.4/47

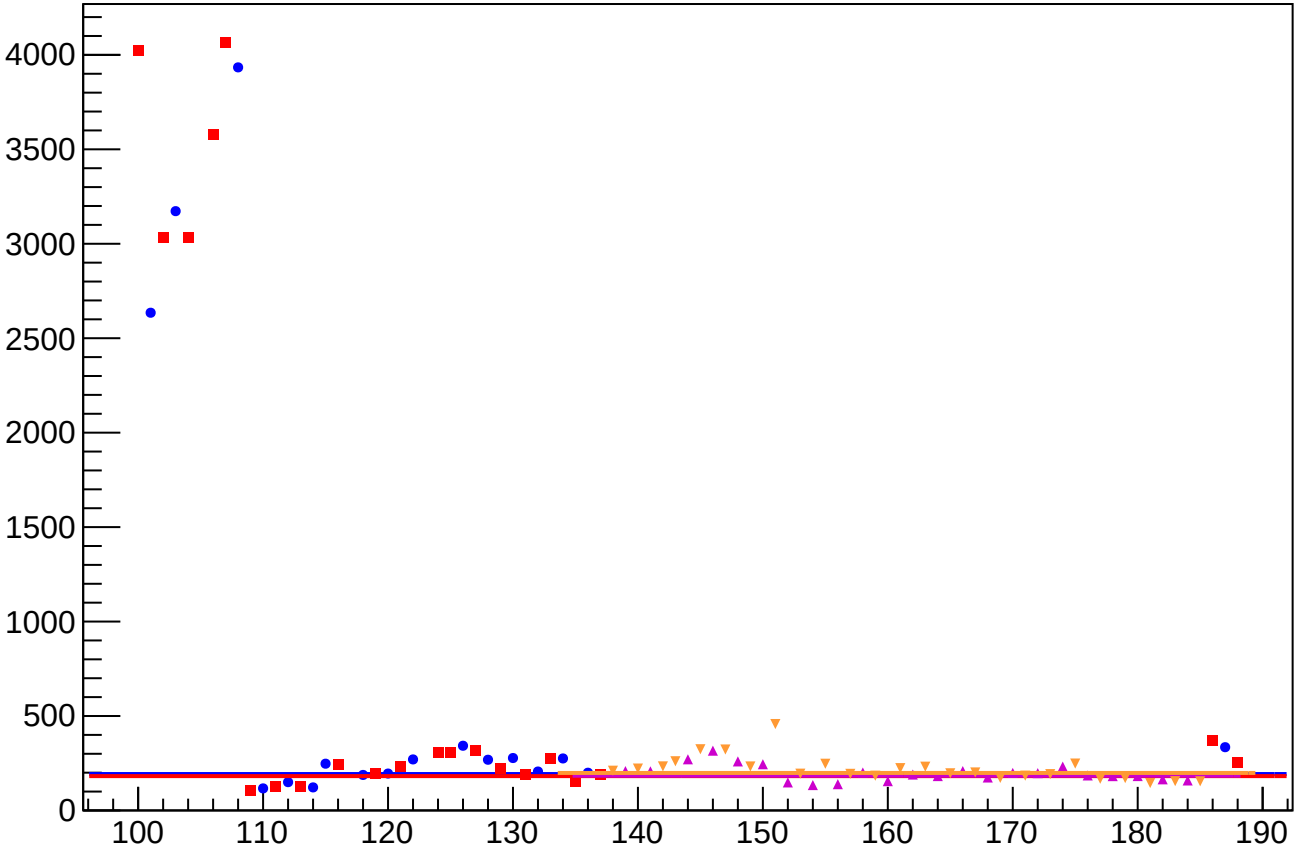
Right: -69.177+/-55.516 χ^2/NDF: 34.6/37

In: 86.059+/-39.515 χ^2/NDF:29.3/39

Out: 56.364+/-39.570 χ^2/NDF:33.9/45

All: 71.232+/-27.961 χ^2/NDF: 63.5/85

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 192.776+/-0.059 χ^2/NDF: 3902755.4/16

Left Out: 198.571+/-0.033 χ^2/NDF:1901504.1/24

Right Out: 181.784+/-0.052 χ^2/NDF: 4716335.2/20

Left In: 184.051+/-0.032 χ^2/NDF:1445426.0/22

Left: 190.988+/-0.023 χ^2/NDF: 3447360.1/47

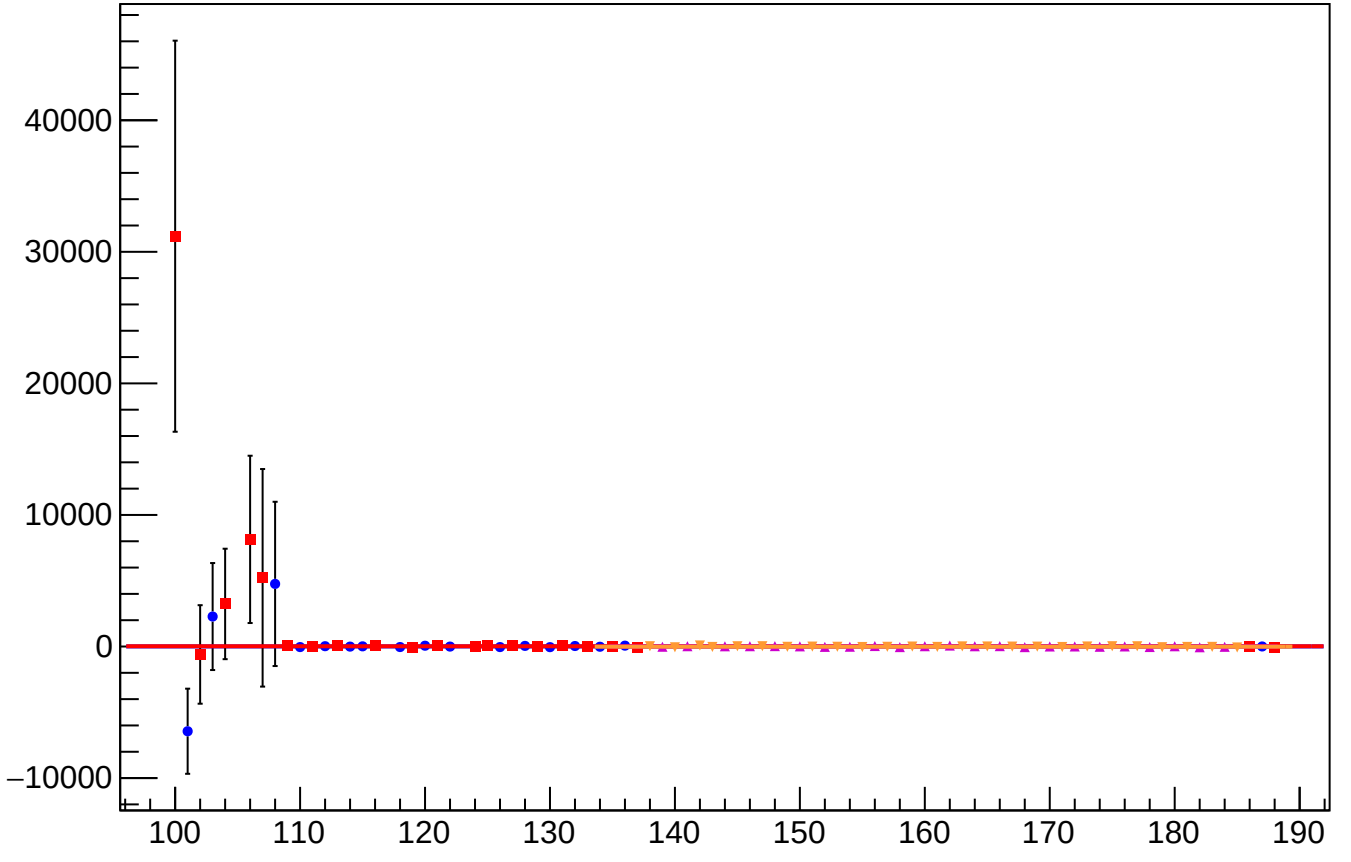
Right: 186.591+/-0.039 χ^2/NDF: 8638380.7/37

In: 185.984+/-0.028 χ^2/NDF:5364996.8/39

Out: 193.772+/-0.028 χ^2/NDF:6691314.9/45

All: 189.872+/-0.020 χ^2/NDF: 12095103.7/85

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 6.410+/-11.596 χ^2/NDF: 18.3/16

Left Out: -11.862+/-6.541 χ^2/NDF:17.9/24

Right Out: 19.324+/-10.744 χ^2/NDF: 25.3/20

Left In: 2.576+/-6.732 χ^2/NDF:22.2/22

Left: -4.851+/-4.691 χ^2/NDF: 42.4/47

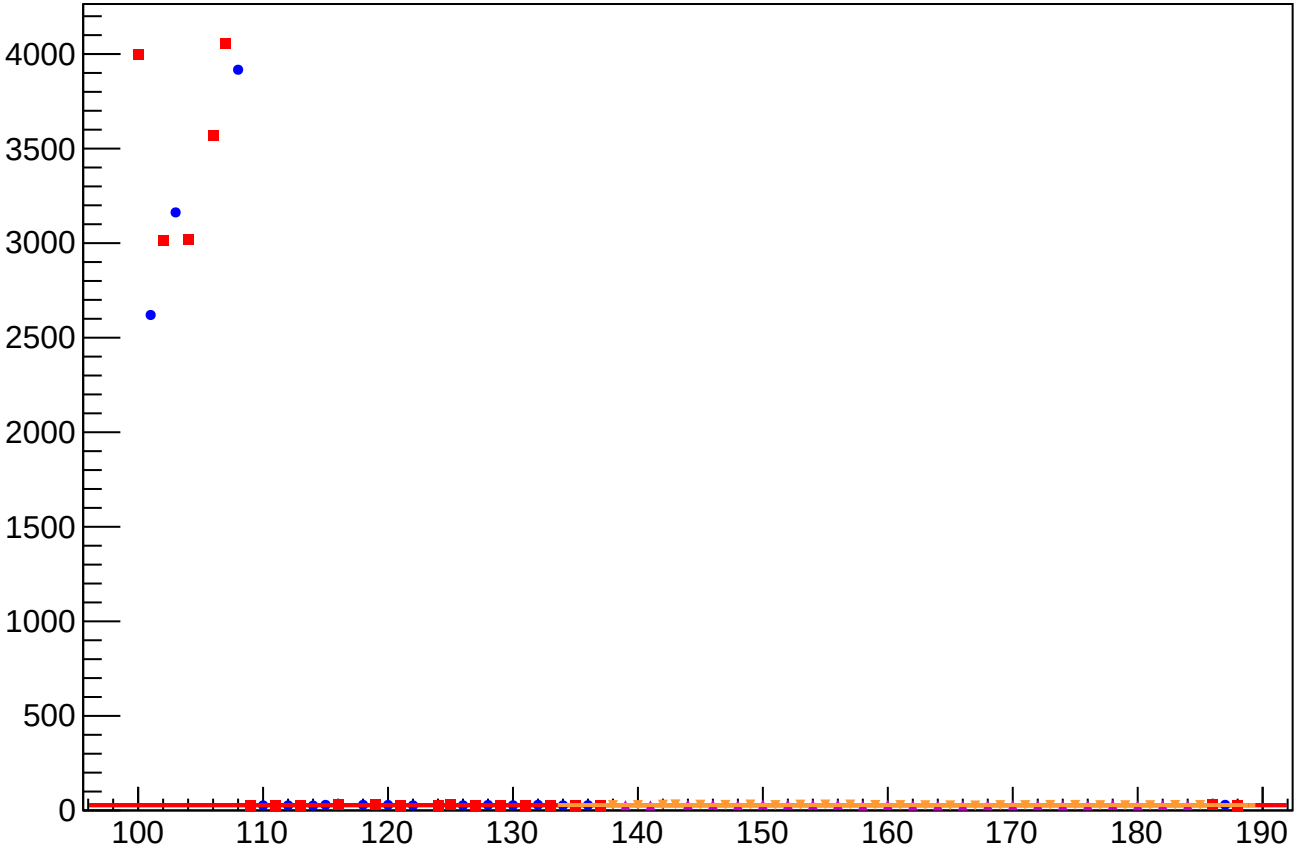
Right: 13.358+/-7.881 χ^2/NDF: 44.3/37

In: 3.543+/-5.822 χ^2/NDF:40.5/39

Out: -3.430+/-5.587 χ^2/NDF:49.4/45

All: -0.087+/-4.031 χ^2/NDF: 90.6/85

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 27.876+/-0.008 χ^2/NDF: 3267207.5/16

Left Out: 28.707+/-0.005 χ^2/NDF:98865.9/24

Right Out: 27.971+/-0.008 χ^2/NDF: 3568773.0/20

Left In: 28.728+/-0.005 χ^2/NDF:127383.0/22

Left: 28.717+/-0.003 χ^2/NDF: 226258.3/47

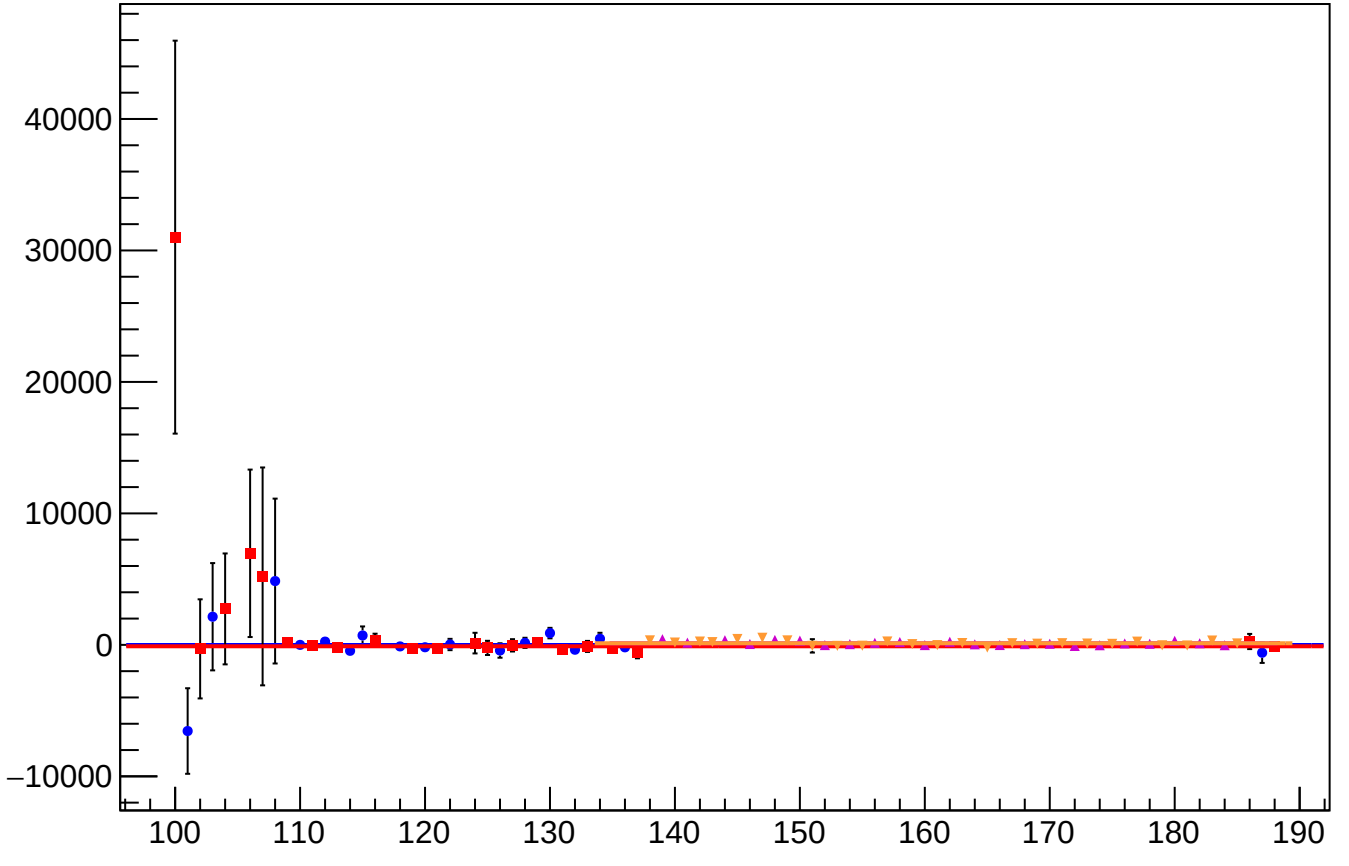
Right: 27.927+/-0.006 χ^2/NDF: 6836053.6/37

In: 28.513+/-0.004 χ^2/NDF:3402665.7/39

Out: 28.508+/-0.004 χ^2/NDF:3674489.5/45

All: 28.510+/-0.003 χ^2/NDF: 7077155.9/85

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs Slug, Sign Corrected



Right In: -9.957+/-84.992 χ^2/NDF: 18.8/16

Left Out: 122.864+/-47.300 χ^2/NDF:11.3/24

Right Out: -107.476+/-74.975 χ^2/NDF: 14.2/20

Left In: 123.046+/-45.269 χ^2/NDF:8.5/22

Left: 122.959+/-32.704 χ^2/NDF: 19.8/47

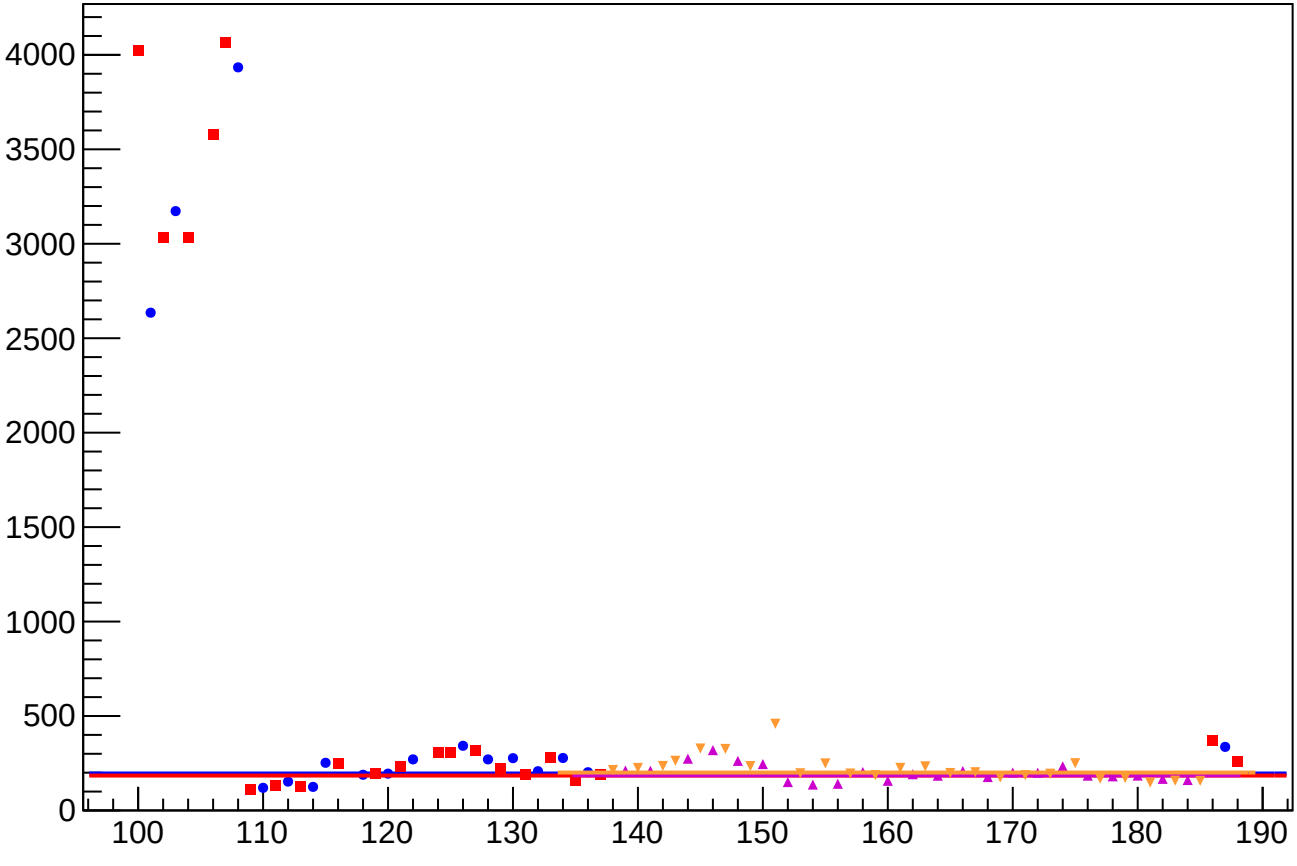
Right: -64.799+/-56.225 χ^2/NDF: 33.8/37

In: 93.652+/-39.955 χ^2/NDF:29.2/39

Out: 57.288+/-40.004 χ^2/NDF:32.3/45

All: 75.493+/-28.270 χ^2/NDF: 61.9/85

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 195.663+/-0.060 χ^2/NDF: 3851403.4/16

Left Out: 200.686+/-0.033 χ^2/NDF:1880083.2/24

Right Out: 184.734+/-0.053 χ^2/NDF: 4645715.0/20

Left In: 186.169+/-0.032 χ^2/NDF:1413387.1/22

Left: 193.109+/-0.023 χ^2/NDF: 3391793.2/47

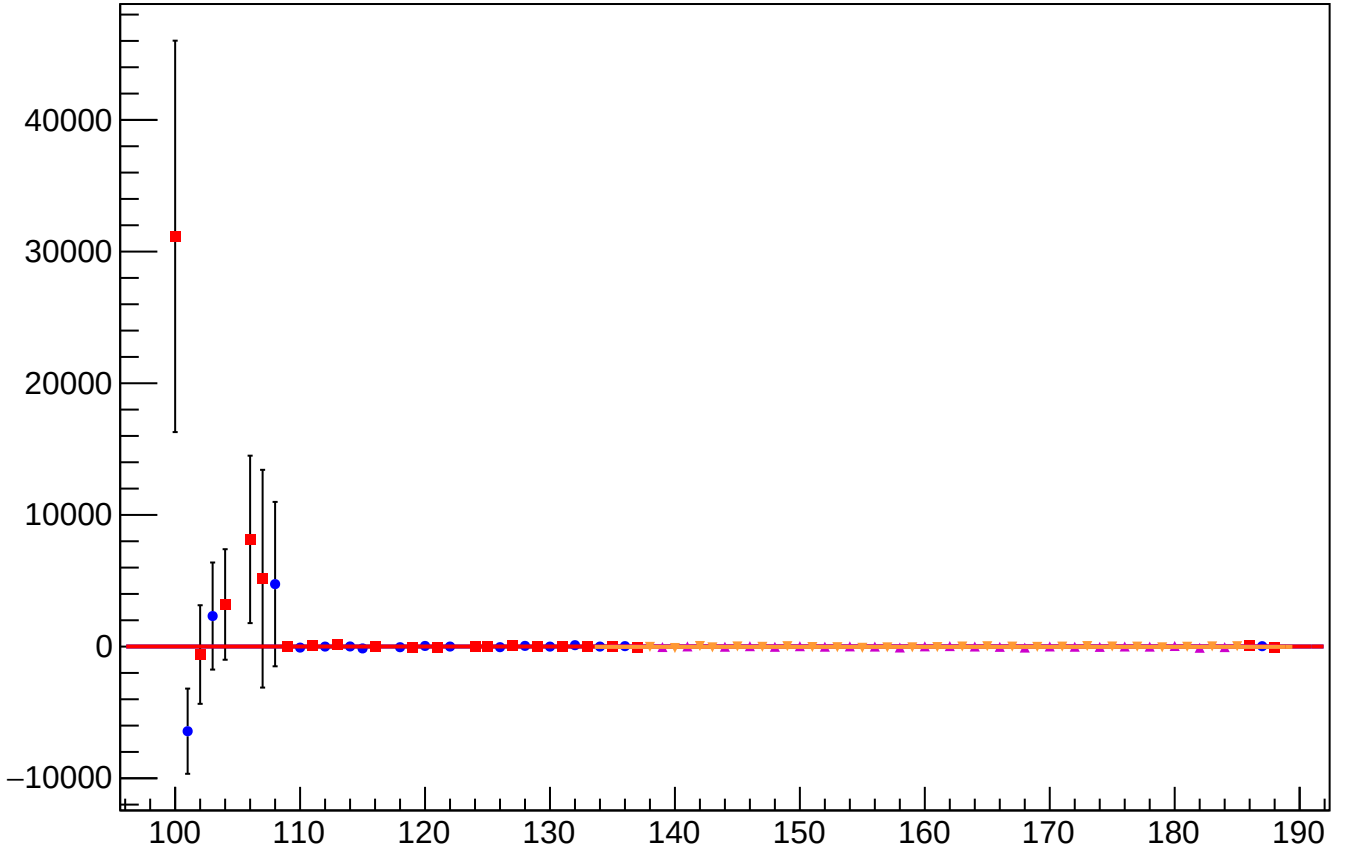
Right: 189.517+/-0.040 χ^2/NDF: 8515716.3/37

In: 188.267+/-0.028 χ^2/NDF:5284229.8/39

Out: 196.144+/-0.028 χ^2/NDF:6590560.0/45

All: 192.201+/-0.020 χ^2/NDF: 11913610.7/85

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 6.437+/-14.091 χ^2/NDF: 17.6/16

Left Out: -21.228+/-7.835 χ^2/NDF:22.9/24

Right Out: 7.028+/-13.024 χ^2/NDF: 25.9/20

Left In: -4.029+/-8.083 χ^2/NDF:18.9/22

Left: -12.896+/-5.626 χ^2/NDF: 44.2/47

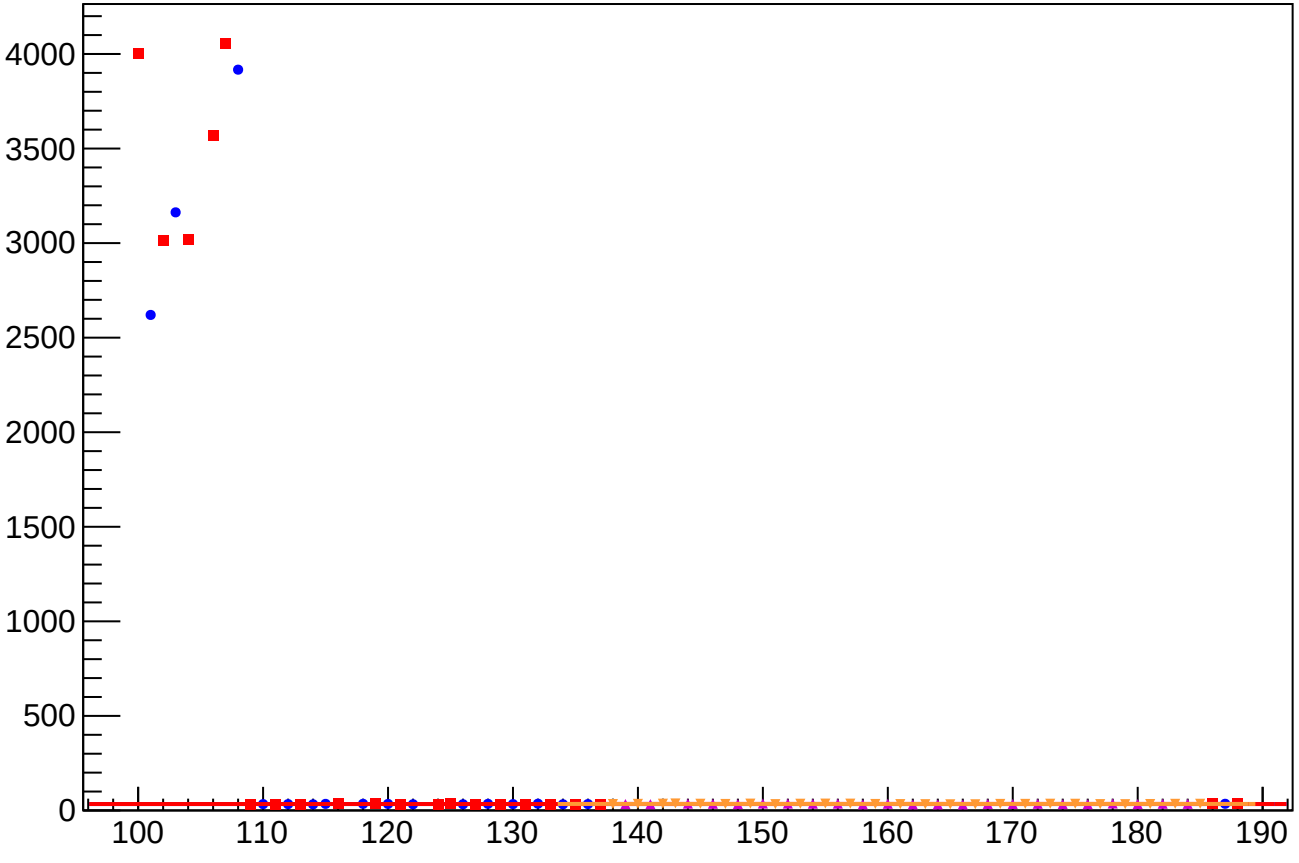
Right: 6.756+/-9.564 χ^2/NDF: 43.4/37

In: -1.437+/-7.011 χ^2/NDF:36.9/39

Out: -13.719+/-6.714 χ^2/NDF:52.2/45

All: -7.844+/-4.849 χ^2/NDF: 90.7/85

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 33.940+/-0.010 χ^2/NDF: 3244918.3/16

Left Out: 34.439+/-0.006 χ^2/NDF:44686.3/24

Right Out: 33.990+/-0.009 χ^2/NDF: 3533925.8/20

Left In: 34.552+/-0.006 χ^2/NDF:59280.9/22

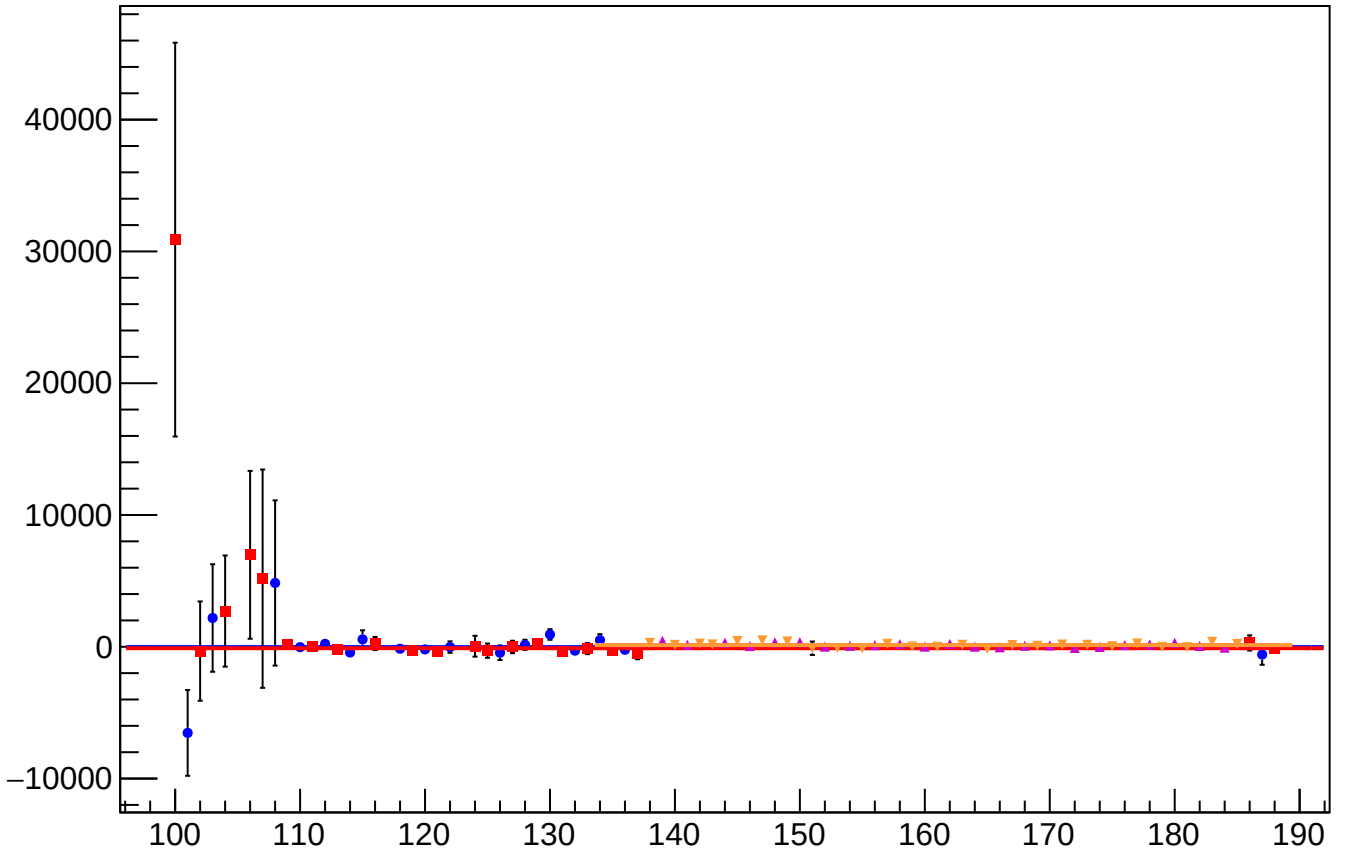
Left: 34.494+/-0.004 χ^2/NDF: 104170.1/47

Right: 33.967+/-0.007 χ^2/NDF: 6778857.6/37

In: 34.400+/-0.005 χ^2/NDF:3307038.8/39

Out: 34.319+/-0.005 χ^2/NDF:3580355.9/45

All: 34.358+/-0.003 χ^2/NDF: 6887534.3/85



Right In: -26.333+/-84.554 χ^2/NDF: 18.7/16

Left Out: 127.689+/-47.228 χ^2/NDF:11.6/24

Right Out: -111.365+/-74.522 χ^2/NDF: 13.8/20

Left In: 122.809+/-45.199 χ^2/NDF:8.0/22

Left: 125.142+/-32.654 χ^2/NDF: 19.6/47

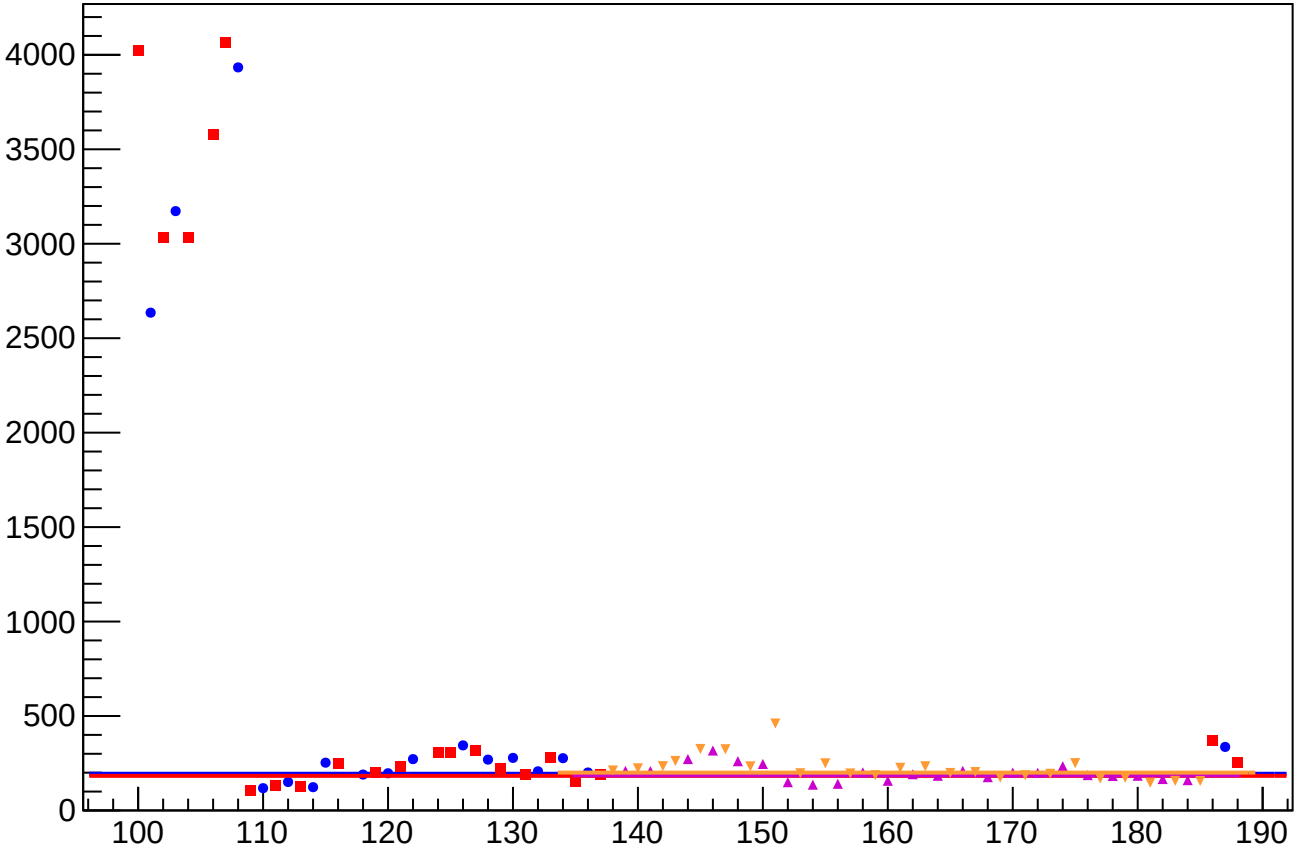
Right: -74.191+/-55.907 χ^2/NDF: 33.1/37

In: 89.663+/-39.861 χ^2/NDF:29.1/39

Out: 59.188+/-39.892 χ^2/NDF:32.8/45

All: 74.437+/-28.197 χ^2/NDF: 62.2/85

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 194.275+/-0.060 χ^2/NDF: 3890974.3/16

Left Out: 200.372+/-0.033 χ^2/NDF:1876533.6/24

Right Out: 183.200+/-0.053 χ^2/NDF: 4700390.0/20

Left In: 185.871+/-0.032 χ^2/NDF:1405525.2/22

Left: 192.803+/-0.023 χ^2/NDF: 3380466.3/47

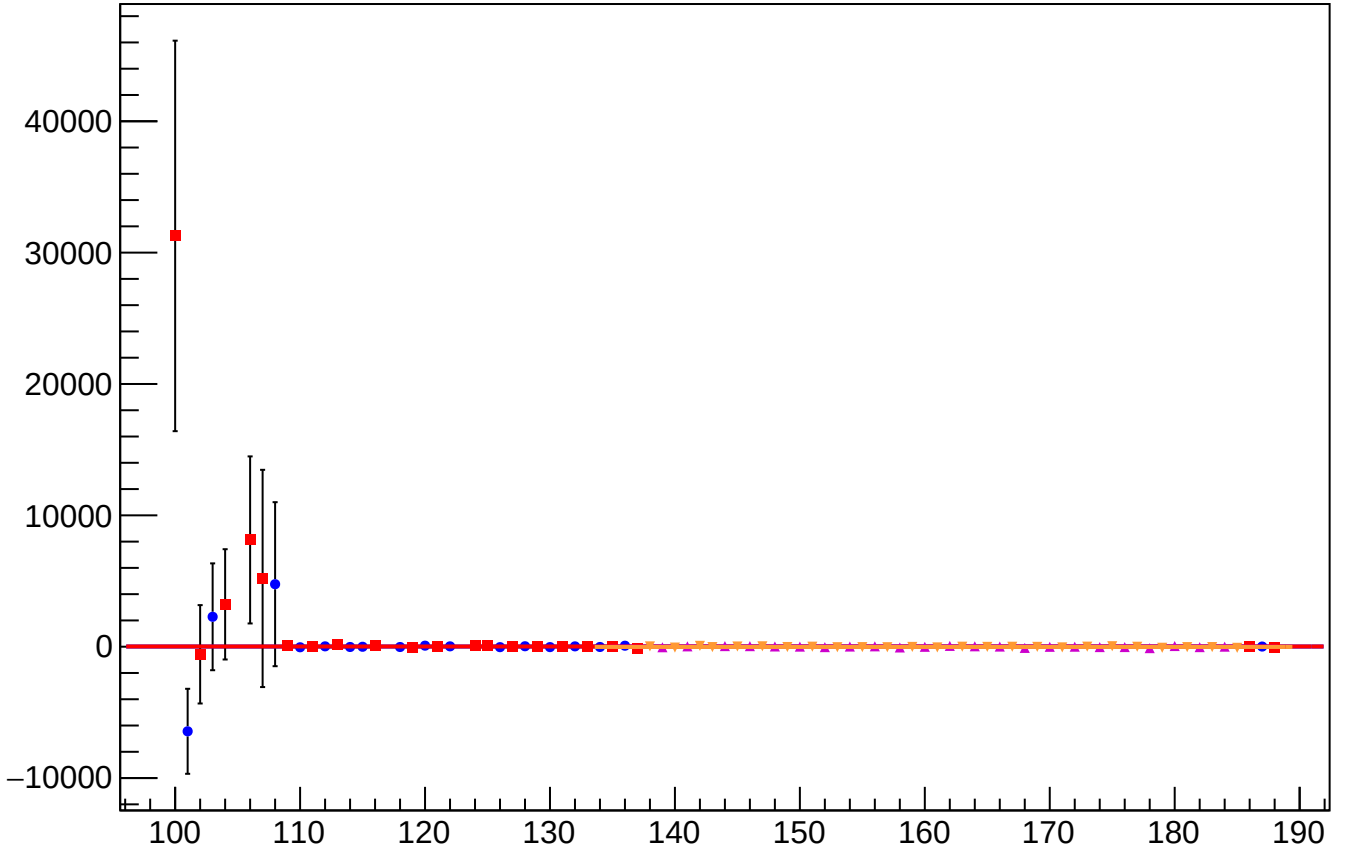
Right: 188.042+/-0.040 χ^2/NDF: 8610677.2/37

In: 187.739+/-0.028 χ^2/NDF:5311864.8/39

Out: 195.451+/-0.028 χ^2/NDF:6652691.8/45

All: 191.592+/-0.020 χ^2/NDF: 12001962.0/85

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 13.661+/-12.865 χ^2/NDF: 15.5/16

Left Out: -18.581+/-7.135 χ^2/NDF:20.4/24

Right Out: 17.242+/-11.868 χ^2/NDF: 30.8/20

Left In: -2.709+/-7.348 χ^2/NDF:35.5/22

Left: -10.878+/-5.119 χ^2/NDF: 58.3/47

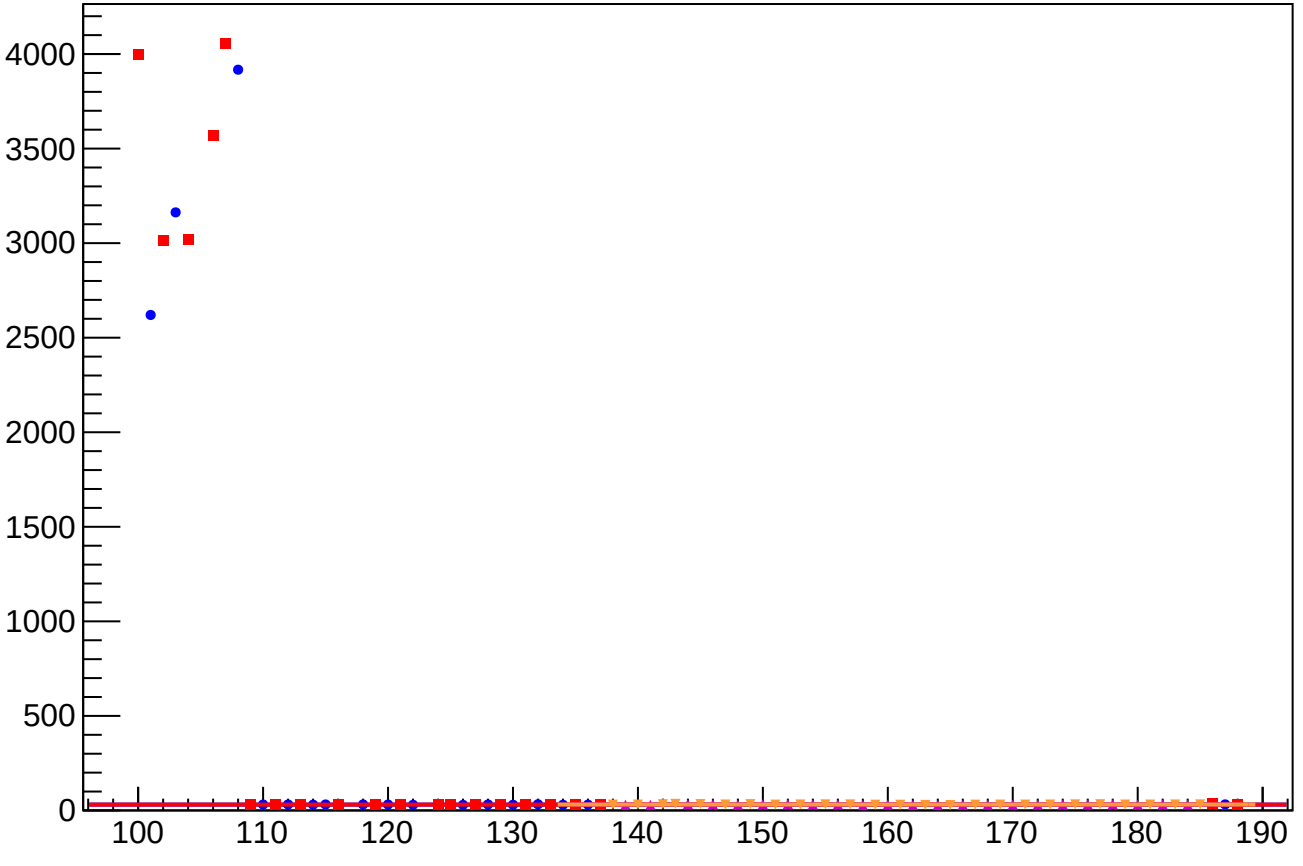
Right: 15.595+/-8.723 χ^2/NDF: 46.3/37

In: 1.318+/-6.380 χ^2/NDF:52.2/39

Out: -9.071+/-6.115 χ^2/NDF:57.9/45

All: -4.098+/-4.415 χ^2/NDF: 111.5/85

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 30.962+/-0.009 χ^2/NDF: 3253046.2/16

Left Out: 31.340+/-0.005 χ^2/NDF:63017.9/24

Right Out: 30.939+/-0.008 χ^2/NDF: 3545593.9/20

Left In: 31.379+/-0.005 χ^2/NDF:85229.7/22

Left: 31.359+/-0.004 χ^2/NDF: 148277.4/47

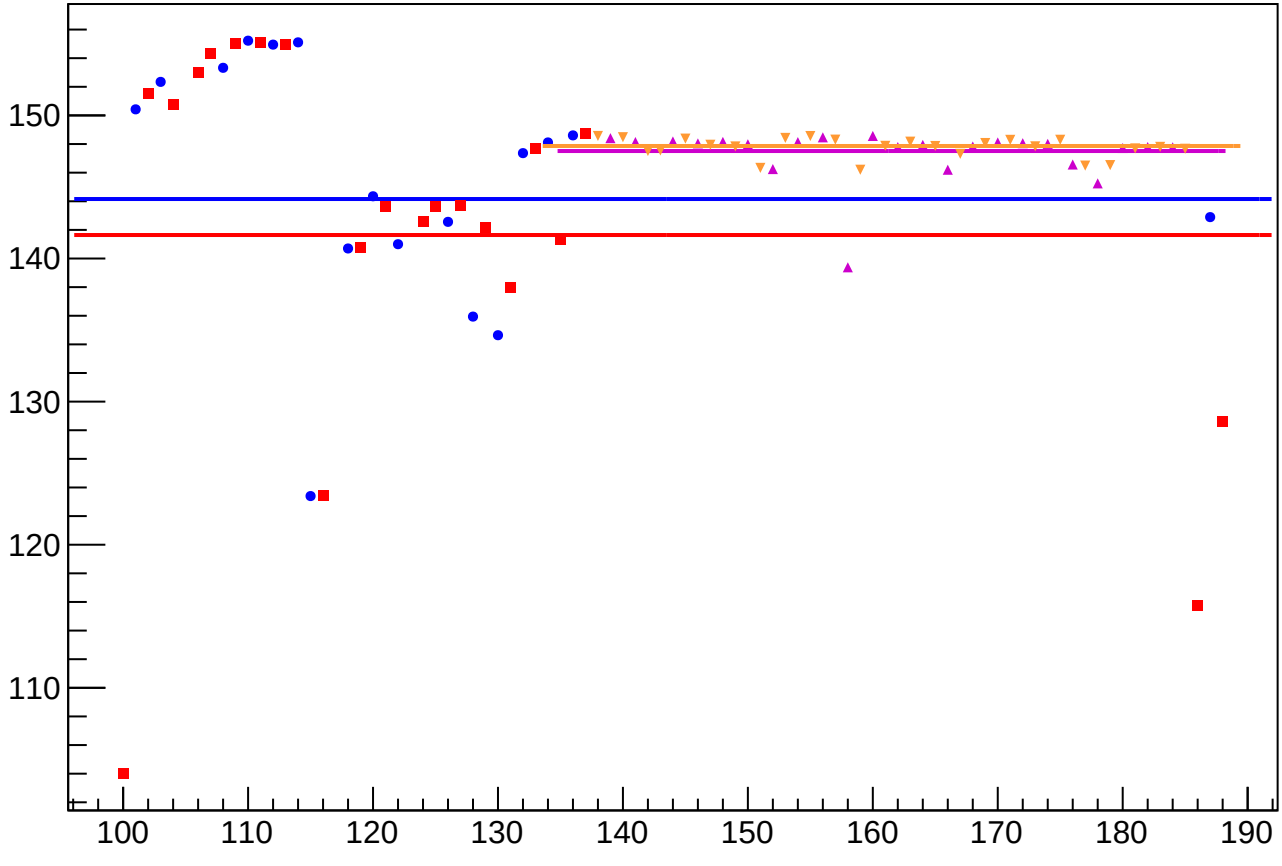
Right: 30.949+/-0.006 χ^2/NDF: 6798643.6/37

In: 31.277+/-0.005 χ^2/NDF:3339864.5/39

Out: 31.233+/-0.004 χ^2/NDF:3610290.1/45

All: 31.254+/-0.003 χ^2/NDF: 6950202.8/85

yield_bcm_target_mean vs Slug, Sign Corrected



Right In: 144.158+/-0.000 χ^2/NDF: 3726102788.8/16

Left Out: 147.864+/-0.000 χ^2/NDF:44922014.2/24

Right Out: 141.642+/-0.000 χ^2/NDF: 7391814143.2/20

Left In: 147.511+/-0.000 χ^2/NDF:306421789.5/22

Left: 147.695+/-0.000 χ^2/NDF: 357135734.4/47

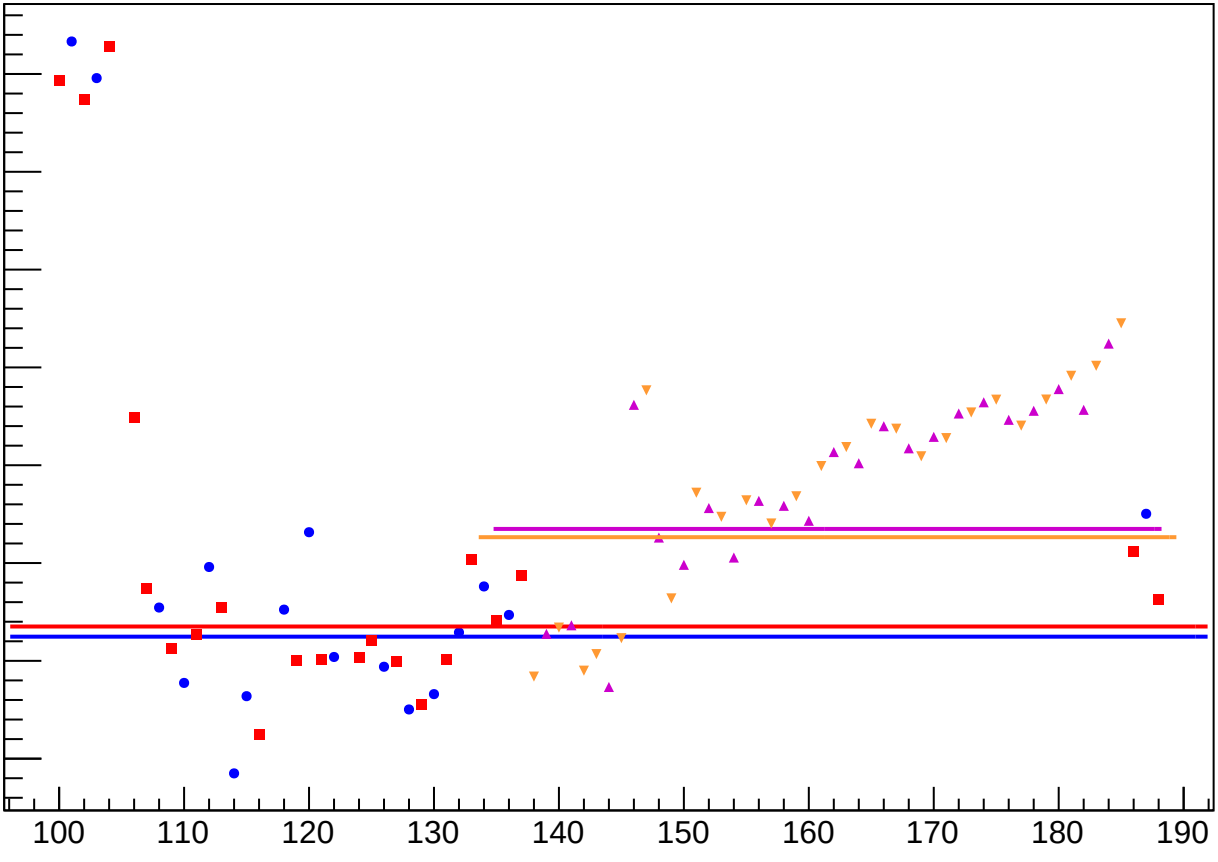
Right: 142.820+/-0.000 χ^2/NDF: 11312697540.2/37

In: 146.191+/-0.000 χ^2/NDF:4427347885.8/39

Out: 145.352+/-0.000 χ^2/NDF:8953464581.3/45

All: 145.750+/-0.000 χ^2/NDF: 13435251987.

yield_bcm_target_rms vs Slug, Sign Corrected



Right In: 0.325+/-0.000 χ^2/NDF: 1422784.2/16

Left Out: 0.426+/-0.000 χ^2/NDF:2259192.5/24

Right Out: 0.335+/-0.000 χ^2/NDF: 1346786.9/20

Left In: 0.435+/-0.000 χ^2/NDF:1774903.7/22

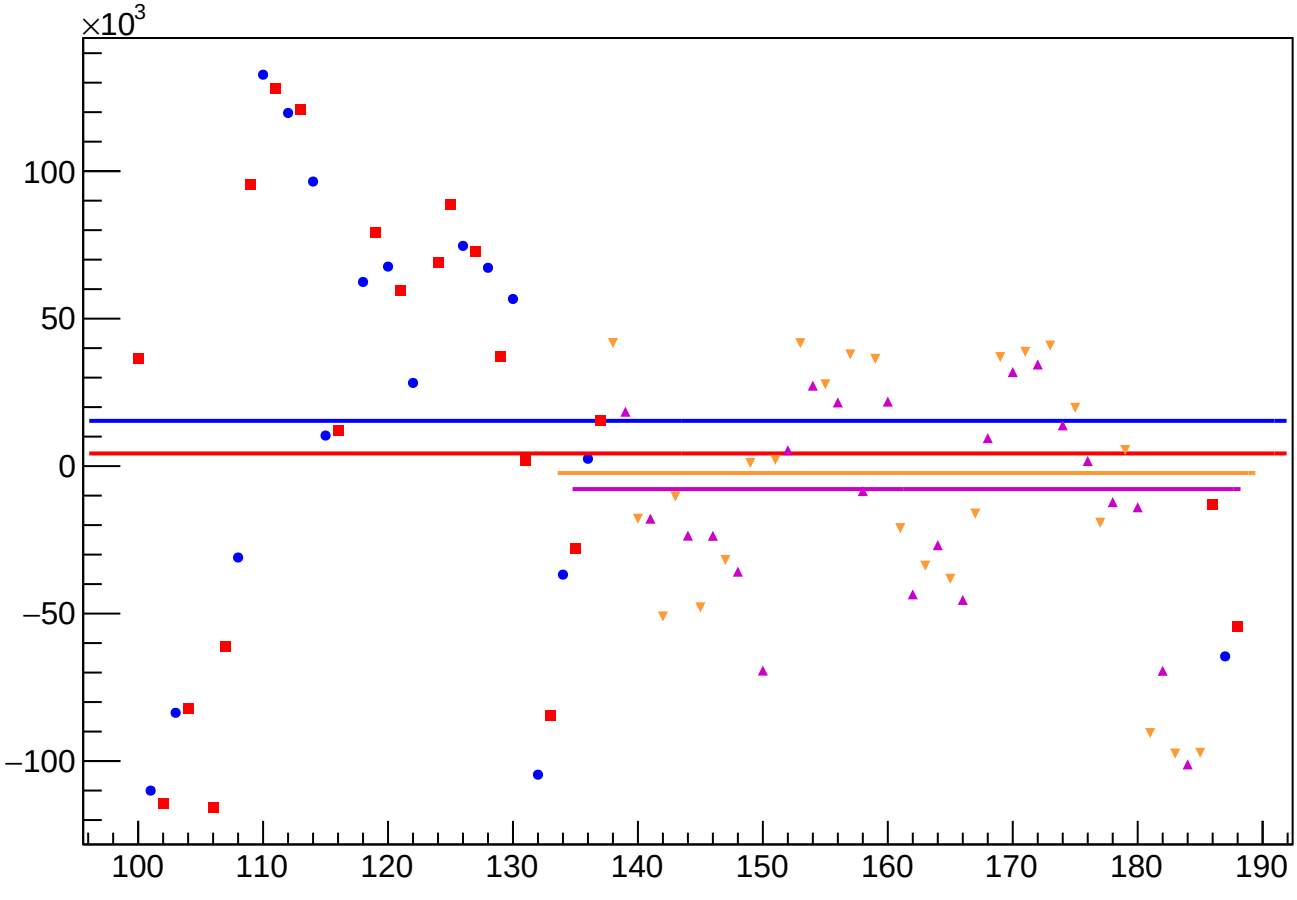
Left: 0.430+/-0.000 χ^2/NDF: 4040738.3/47

Right: 0.330+/-0.000 χ^2/NDF: 2776206.3/37

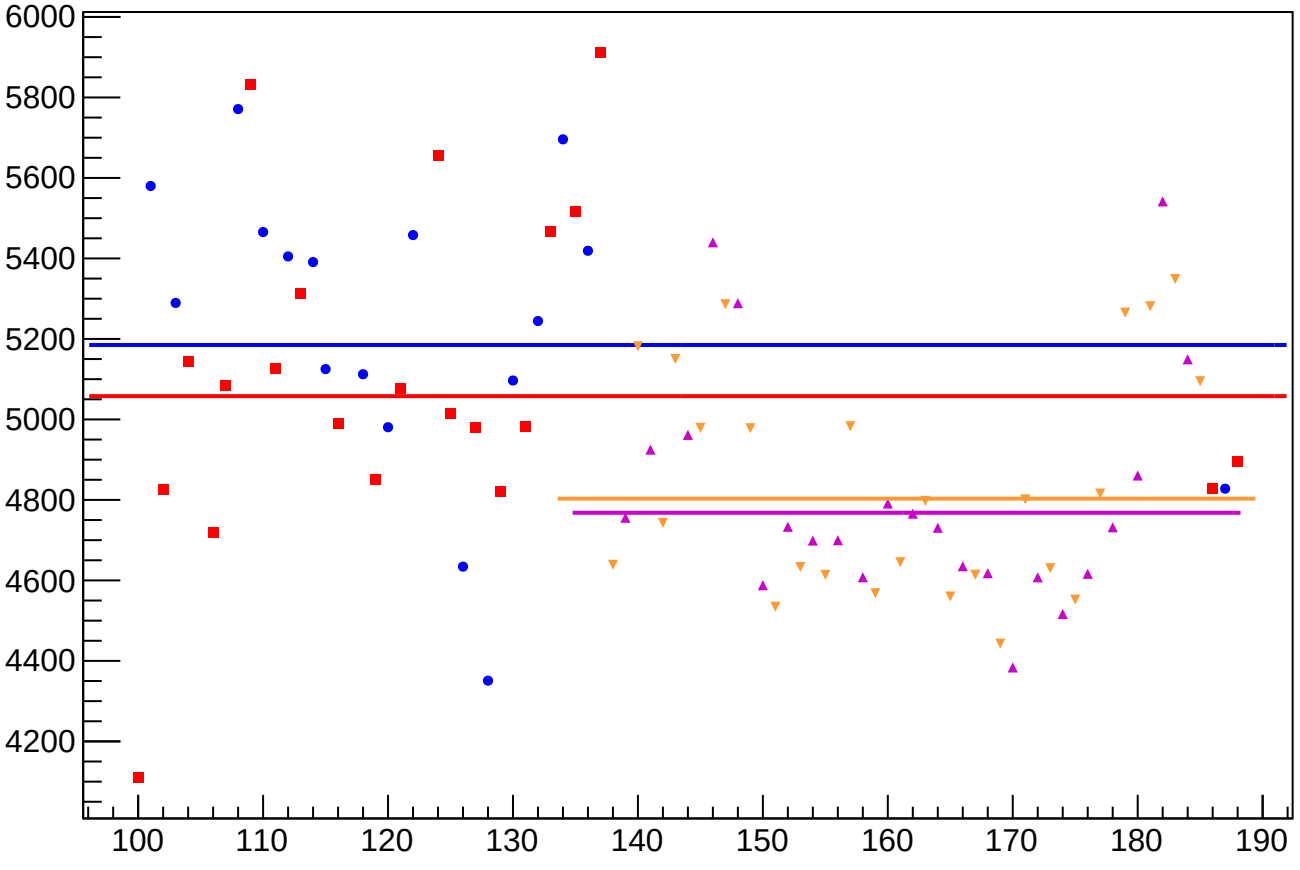
In: 0.392+/-0.000 χ^2/NDF:4049682.8/39

Out: 0.390+/-0.000 χ^2/NDF:4259372.7/45

All: 0.390+/-0.000 χ^2/NDF: 8309653.5/85


yield_bcm_an_diff_mean vs Slug, Sign Corrected
×10^3
100
50
0
−50
−100
100
110
120
130
140
150
160
170
180
190
Right In: 15346.751+/-1.977 χ²/NDF: 1446074813.7/16
Left Out: -2344.855+/-1.123 χ²/NDF:1230029339.6/24
Right Out: 4293.150+/-1.755 χ²/NDF: 2017483461.3/20
Left In: -7787.808+/-1.145 χ²/NDF:762496621.5/22
Left: -5015.253+/-0.802 χ²/NDF: 2004045886.0/47
Right: 9164.121+/-1.312 χ²/NDF: 3481042361.2/37
In: -1980.642+/-0.991 χ²/NDF:2311127267.5/39
Out: -415.598+/-0.946 χ²/NDF:3257662814.7/45
All: -1162.192+/-0.684 χ²/NDF: 5570095596

yield_bcm_an_diff_rms vs Slug, Sign Corrected



Right In: 5184.938+/-1.398 χ^2/NDF: 79059.0/16

Left Out: 4803.136+/-0.794 χ^2/NDF:114681.5/24

Right Out: 5057.816+/-1.241 χ^2/NDF: 63646.0/20

Left In: 4768.055+/-0.809 χ^2/NDF:102355.5/22

Left: 4785.925+/-0.567 χ^2/NDF: 217994.1/47

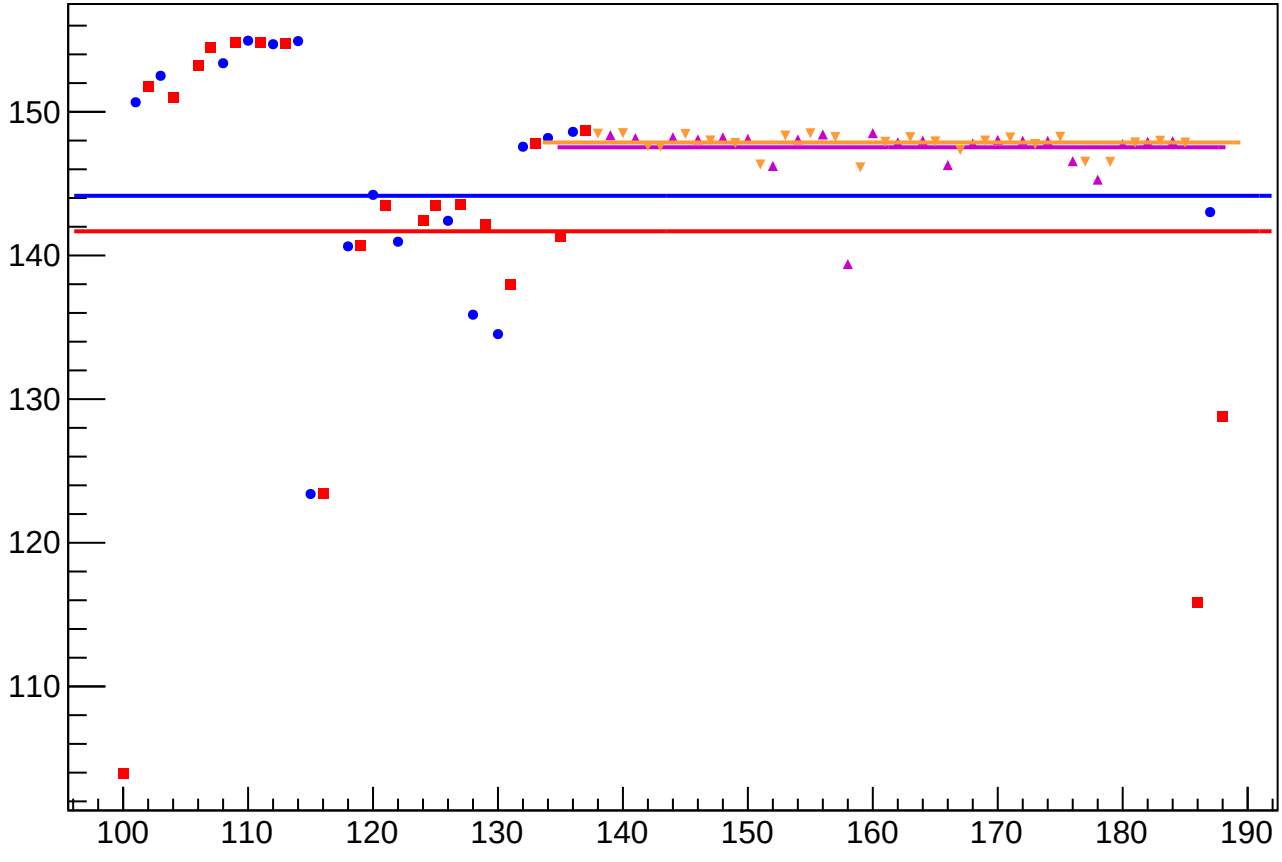
Right: 5113.835+/-0.928 χ^2/NDF: 147329.9/37

In: 4872.700+/-0.700 χ^2/NDF:248017.6/39

Out: 4877.156+/-0.669 χ^2/NDF:208209.5/45

All: 4875.030+/-0.484 χ^2/NDF: 456248.3/85

yield_bcm_an_ds_mean vs Slug, Sign Corrected



Right In: 144.155+/-0.000 χ^2/NDF: 3765934176.8/16

Left Out: 147.870+/-0.000 χ^2/NDF:44483332.4/24

Right Out: 141.685+/-0.000 χ^2/NDF: 7362855292.6/20

Left In: 147.532+/-0.000 χ^2/NDF:307143604.6/22

Left: 147.708+/-0.000 χ^2/NDF: 356985822.2/47

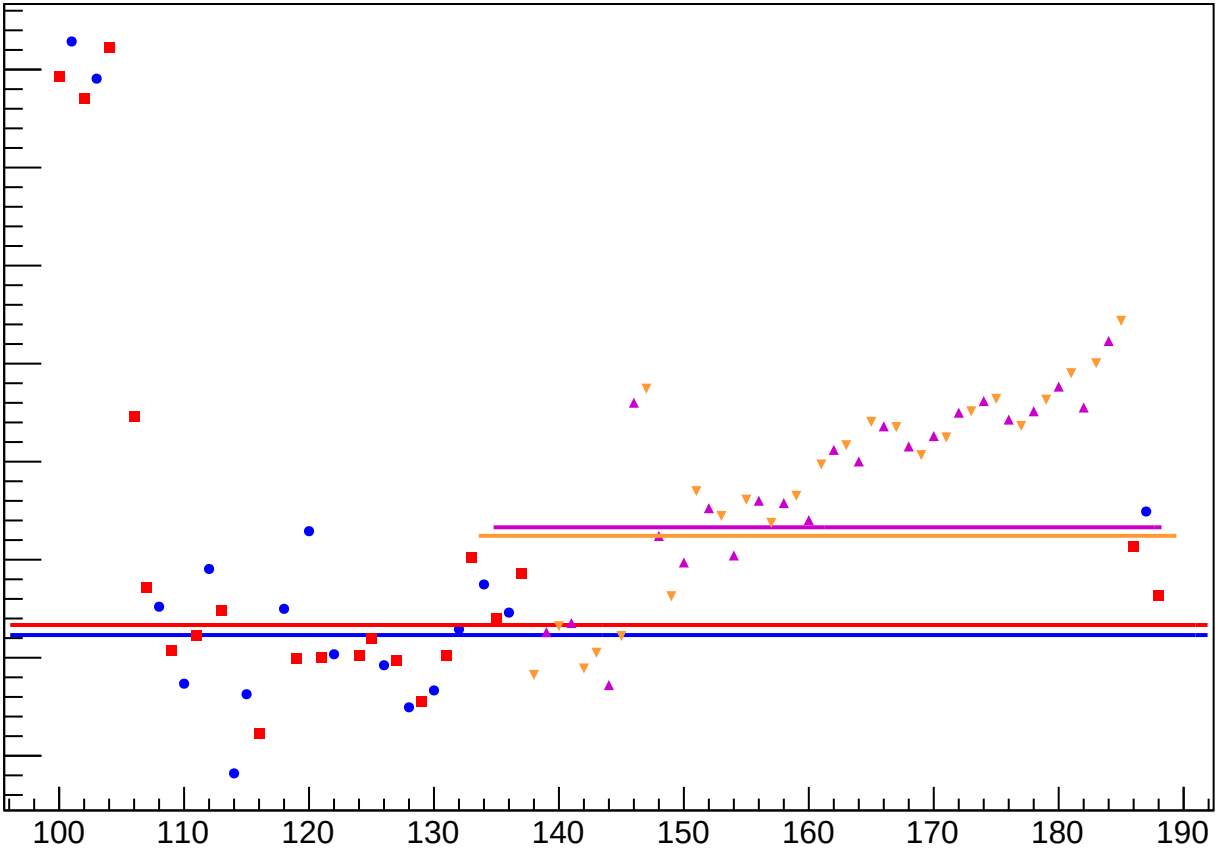
Right: 142.842+/-0.000 χ^2/NDF: 11318552489.9/37

In: 146.201+/-0.000 χ^2/NDF:4477126993.4/39

Out: 145.372+/-0.000 χ^2/NDF:8920884300.5/45

All: 145.766+/-0.000 χ^2/NDF: 13451656357.

yield_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 0.323+/-0.000 χ^2/NDF: 1423325.5/16

Left Out: 0.424+/-0.000 χ^2/NDF:2260723.7/24

Right Out: 0.333+/-0.000 χ^2/NDF: 1349855.1/20

Left In: 0.433+/-0.000 χ^2/NDF:1771141.8/22

Left: 0.429+/-0.000 χ^2/NDF: 4038947.9/47

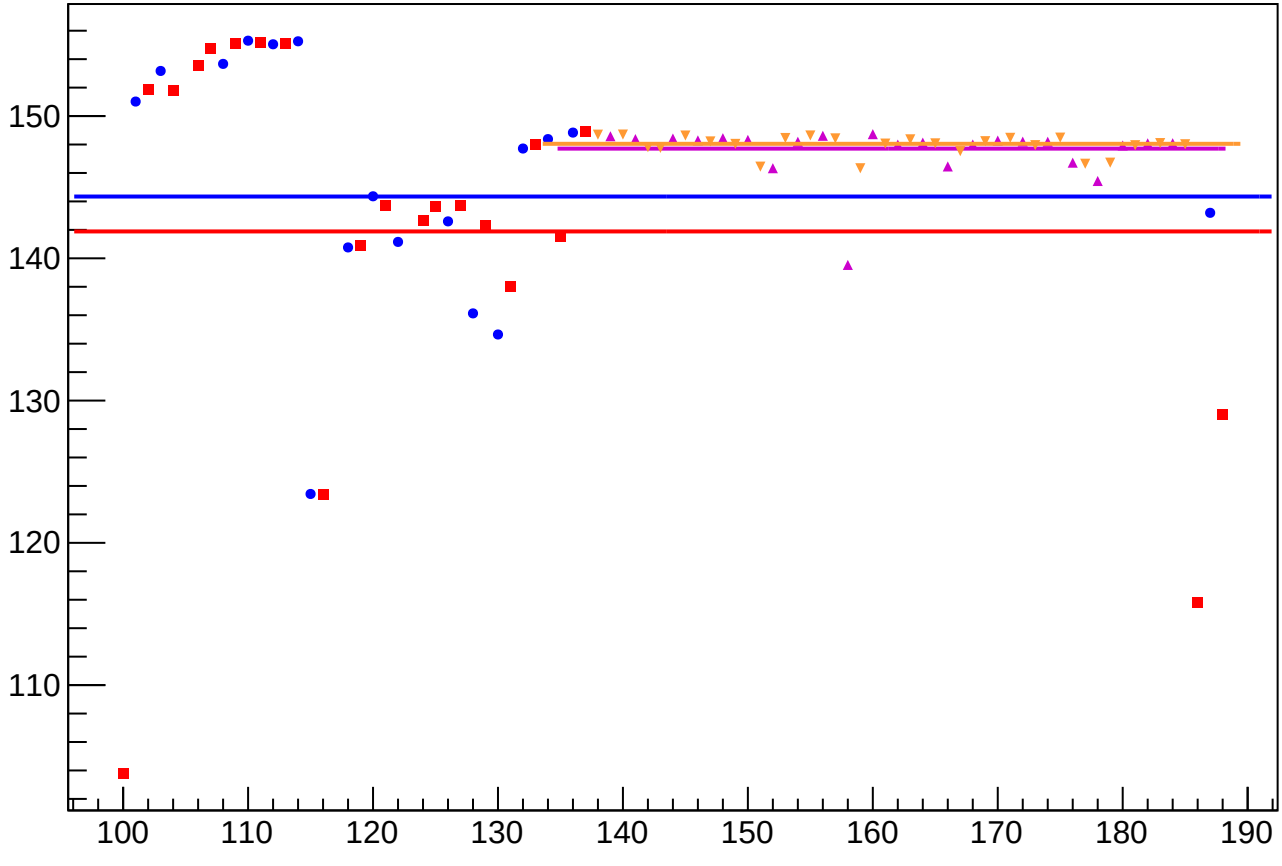
Right: 0.329+/-0.000 χ^2/NDF: 2779725.4/37

In: 0.390+/-0.000 χ^2/NDF:4050858.2/39

Out: 0.388+/-0.000 χ^2/NDF:4265363.2/45

All: 0.389+/-0.000 χ^2/NDF: 8316920.5/85

yield_bcm_an_ds3_mean vs Slug, Sign Corrected



Right In: 144.344+/-0.000 χ^2/NDF: 3759729697.1/16

Left Out: 148.049+/-0.000 χ^2/NDF:44901895.1/24

Right Out: 141.890+/-0.000 χ^2/NDF: 7301780575.8/20

Left In: 147.710+/-0.000 χ^2/NDF:311841433.9/22

Left: 147.887+/-0.000 χ^2/NDF: 362079380.3/47

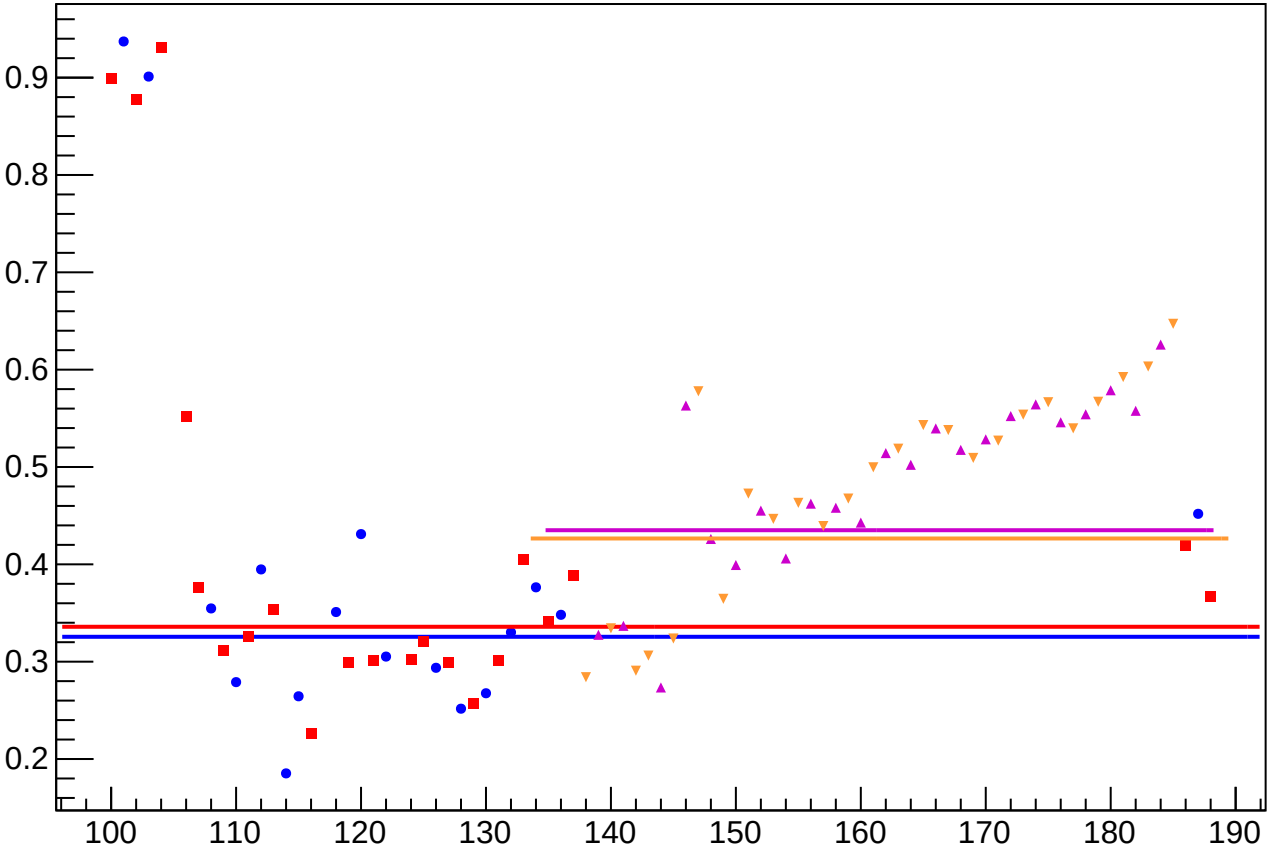
Right: 143.040+/-0.000 χ^2/NDF: 11245981943.4/37

In: 146.388+/-0.000 χ^2/NDF:4468246361.0/39

Out: 145.569+/-0.000 χ^2/NDF:8828265668.2/45

All: 145.958+/-0.000 χ^2/NDF: 13348272253.

yield_bcm_an_ds3_rms vs Slug, Sign Corrected



Right In: 0.326+/-0.000 χ^2/NDF: 1419256.9/16

Left Out: 0.427+/-0.000 χ^2/NDF:2257492.3/24

Right Out: 0.336+/-0.000 χ^2/NDF: 1352873.5/20

Left In: 0.435+/-0.000 χ^2/NDF:1769716.0/22

Left: 0.431+/-0.000 χ^2/NDF: 4033919.8/47

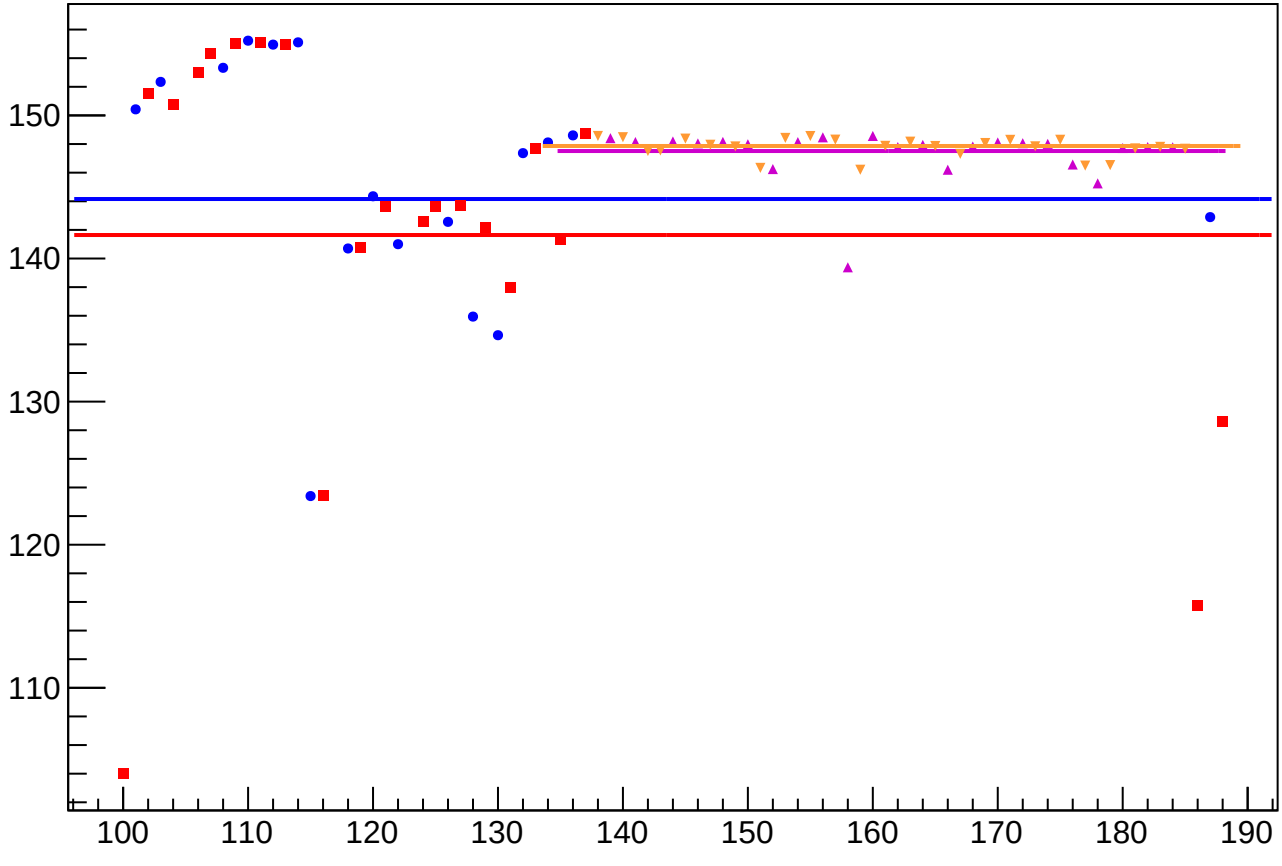
Right: 0.331+/-0.000 χ^2/NDF: 2778625.3/37

In: 0.392+/-0.000 χ^2/NDF:4028233.8/39

Out: 0.390+/-0.000 χ^2/NDF:4252867.3/45

All: 0.391+/-0.000 χ^2/NDF: 8281733.0/85

yield_bcm_an_us_mean vs Slug, Sign Corrected



Right In: 144.158+/-0.000 χ^2/NDF: 3726102788.8/16

Left Out: 147.864+/-0.000 χ^2/NDF:44922014.2/24

Right Out: 141.642+/-0.000 χ^2/NDF: 7391814143.2/20

Left In: 147.511+/-0.000 χ^2/NDF:306421789.5/22

Left: 147.695+/-0.000 χ^2/NDF: 357135734.4/47

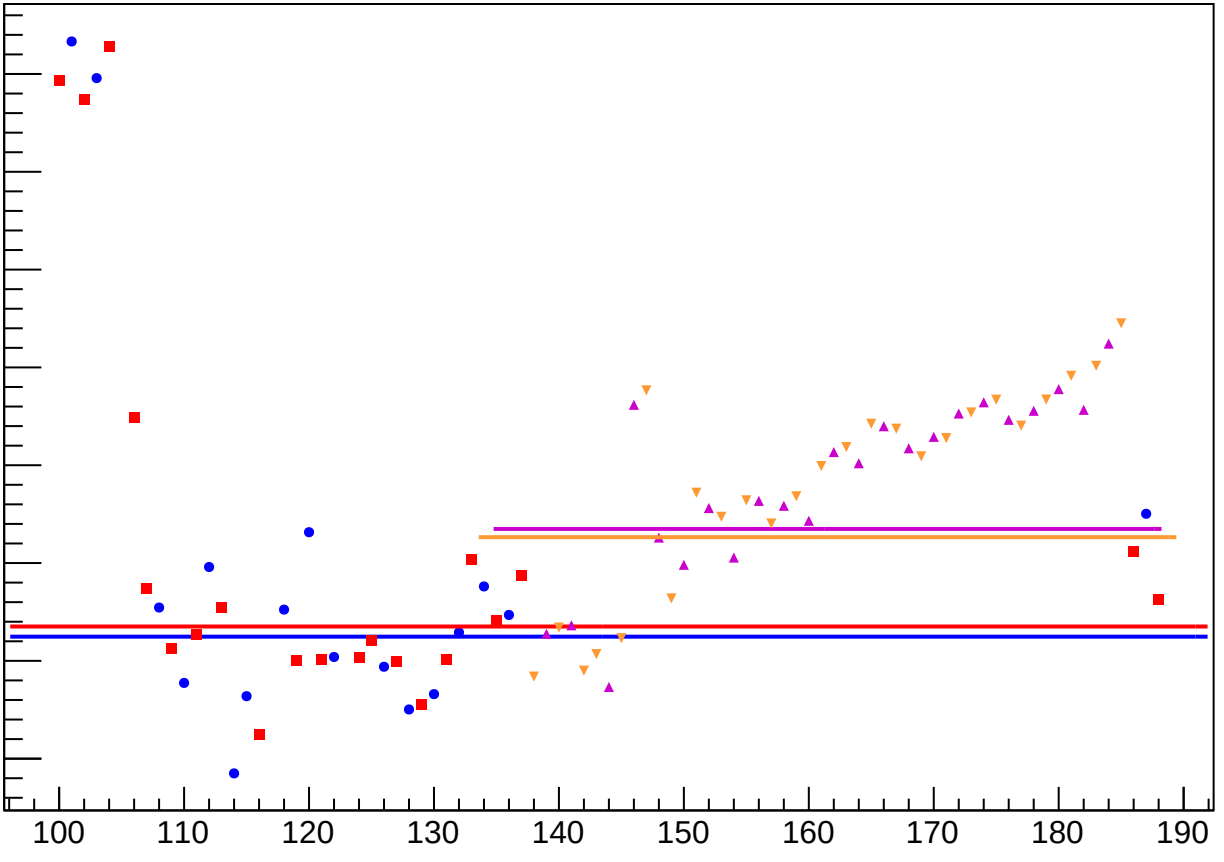
Right: 142.820+/-0.000 χ^2/NDF: 11312697540.2/37

In: 146.191+/-0.000 χ^2/NDF:4427347885.8/39

Out: 145.352+/-0.000 χ^2/NDF:8953464581.3/45

All: 145.750+/-0.000 χ^2/NDF: 13435251987.

yield_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 0.325+/-0.000 χ^2/NDF: 1422784.2/16

Left Out: 0.426+/-0.000 χ^2/NDF:2259192.5/24

Right Out: 0.335+/-0.000 χ^2/NDF: 1346786.9/20

Left In: 0.435+/-0.000 χ^2/NDF:1774903.7/22

Left: 0.430+/-0.000 χ^2/NDF: 4040738.3/47

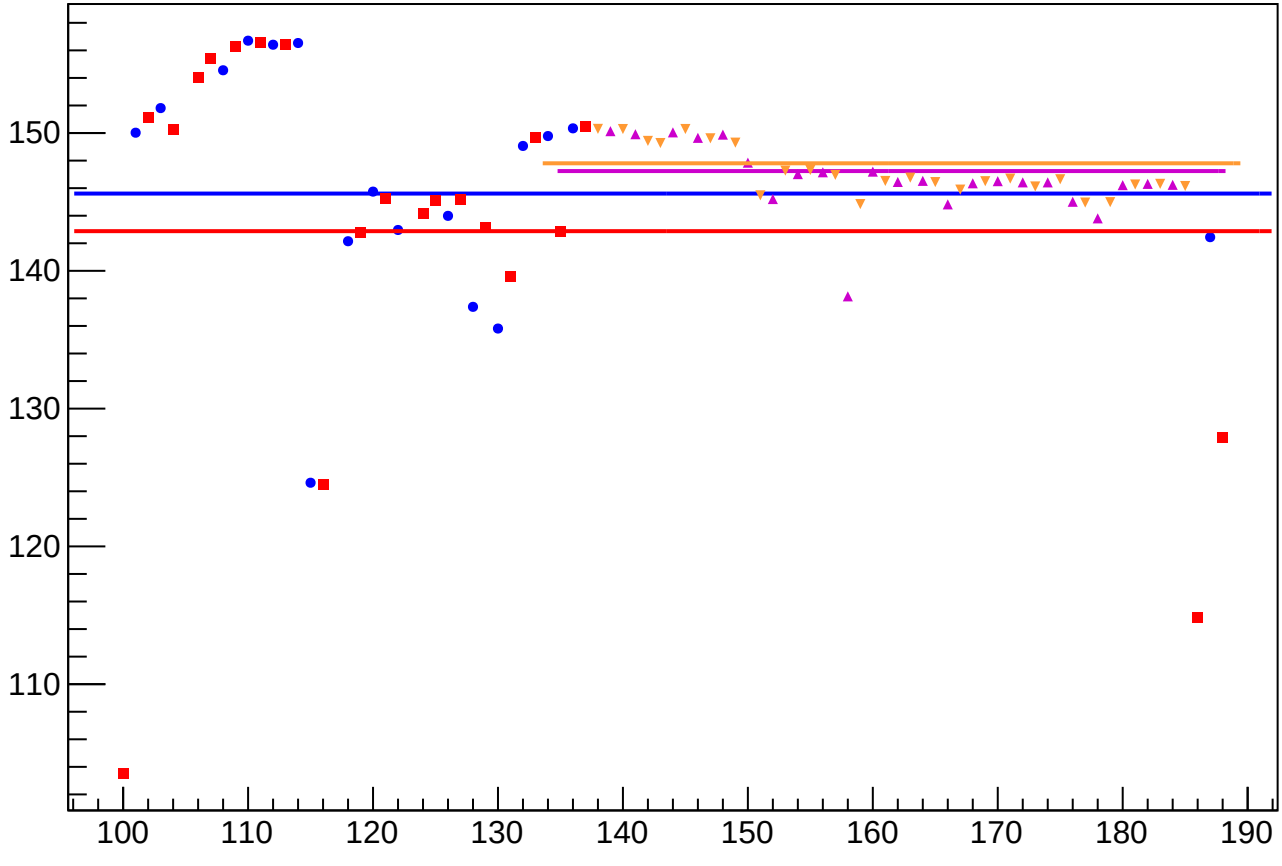
Right: 0.330+/-0.000 χ^2/NDF: 2776206.3/37

In: 0.392+/-0.000 χ^2/NDF:4049682.8/39

Out: 0.390+/-0.000 χ^2/NDF:4259372.7/45

All: 0.390+/-0.000 χ^2/NDF: 8309653.5/85

yield_bcm_dg_us_mean vs Slug, Sign Corrected



Right In: 145.608+/-0.000 χ^2/NDF: 3489735029.8/16

Left Out: 147.804+/-0.000 χ^2/NDF:327059704.2/24

Right Out: 142.879+/-0.000 χ^2/NDF: 7565030123.0/20

Left In: 147.241+/-0.000 χ^2/NDF:618679483.9/22

Left: 147.533+/-0.000 χ^2/NDF: 959733428.8/47

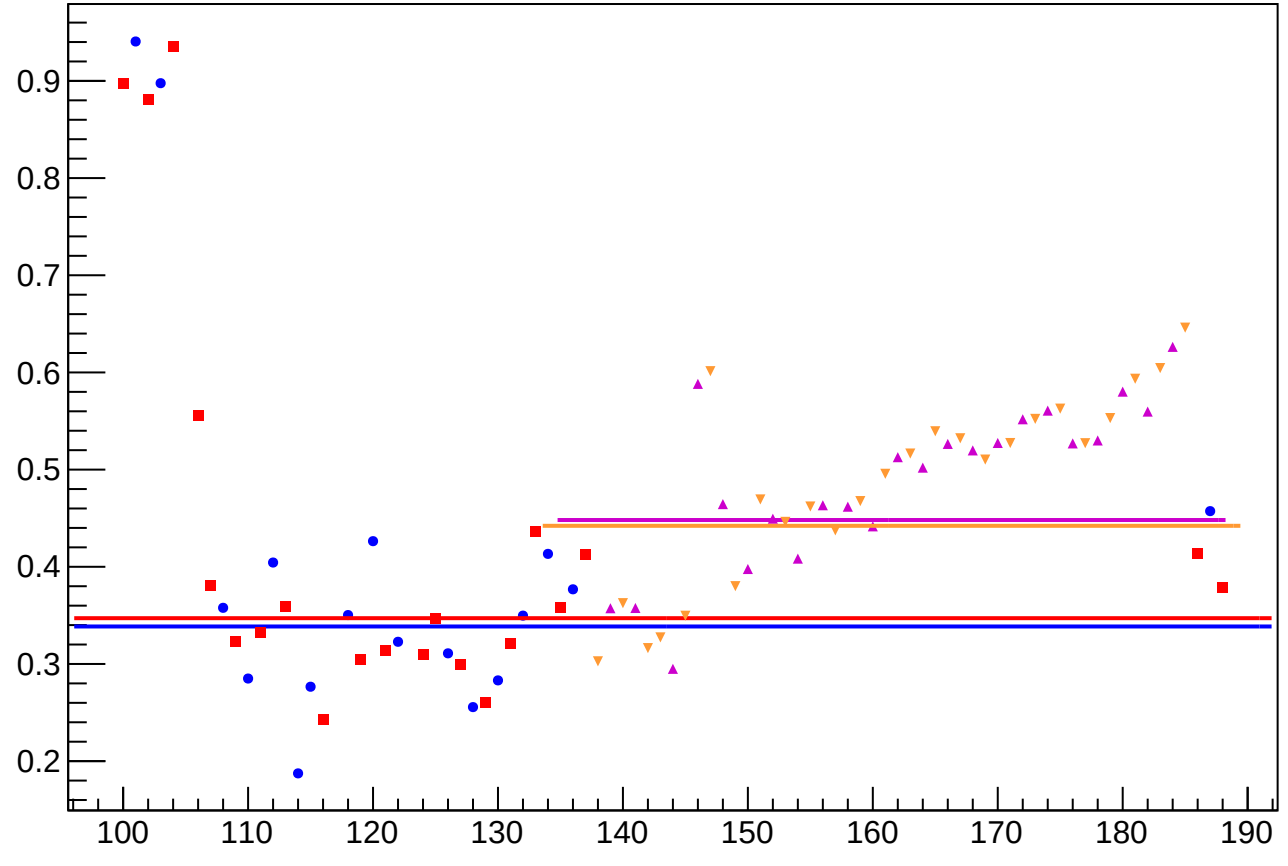
Right: 144.149+/-0.000 χ^2/NDF: 11266750963.7/37

In: 146.612+/-0.000 χ^2/NDF:4195724636.4/39

Out: 145.830+/-0.000 χ^2/NDF:8781298874.8/45

All: 146.202+/-0.000 χ^2/NDF: 13021421508.

yield_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 0.339+/-0.000 χ^2/NDF: 1393698.9/16

Left Out: 0.442+/-0.000 χ^2/NDF:1704199.1/24

Right Out: 0.347+/-0.000 χ^2/NDF: 1312492.5/20

Left In: 0.448+/-0.000 χ^2/NDF:1347802.9/22

Left: 0.445+/-0.000 χ^2/NDF: 3055136.8/47

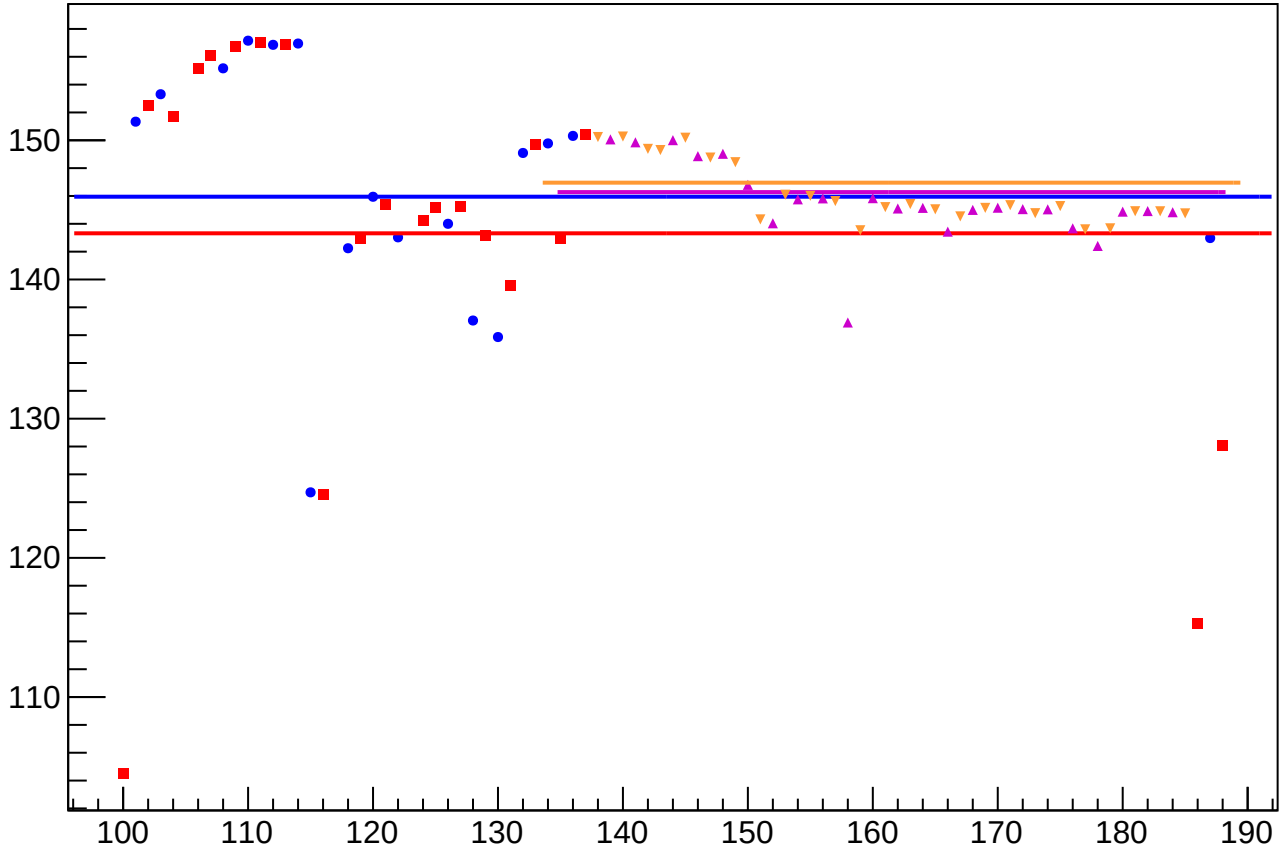
Right: 0.343+/-0.000 χ^2/NDF: 2710339.5/37

In: 0.406+/-0.000 χ^2/NDF:3527623.8/39

Out: 0.404+/-0.000 χ^2/NDF:3679275.2/45

All: 0.405+/-0.000 χ^2/NDF: 7207416.1/85

yield_bcm_dg_ds_mean vs Slug, Sign Corrected



Right In: 145.948+/-0.000 χ^2/NDF: 3628615484.9/16

Left Out: 146.956+/-0.000 χ^2/NDF:542800379.5/24

Right Out: 143.317+/-0.000 χ^2/NDF: 7649370914.2/20

Left In: 146.278+/-0.000 χ^2/NDF:825161532.5/22

Left: 146.630+/-0.000 χ^2/NDF: 1388188459.0/47

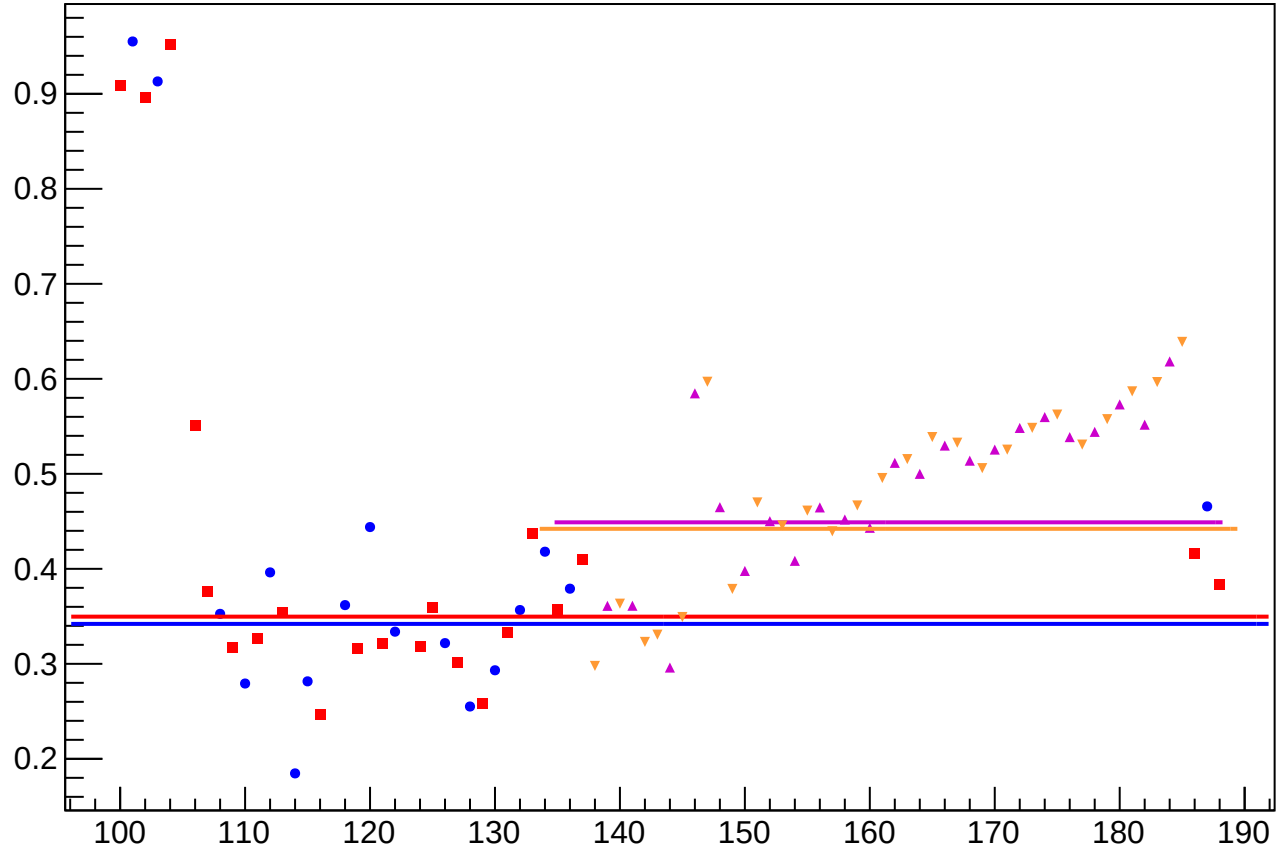
Right: 144.537+/-0.000 χ^2/NDF: 11470973548.7/37

In: 146.152+/-0.000 χ^2/NDF:4457292793.3/39

Out: 145.512+/-0.000 χ^2/NDF:8672581928.8/45

All: 145.816+/-0.000 χ^2/NDF: 13159360845.

yield_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 0.342+/-0.000 χ^2/NDF: 1417419.7/16

Left Out: 0.442+/-0.000 χ^2/NDF:1676682.9/24

Right Out: 0.350+/-0.000 χ^2/NDF: 1309917.2/20

Left In: 0.449+/-0.000 χ^2/NDF:1300658.3/22

Left: 0.445+/-0.000 χ^2/NDF: 2981452.0/47

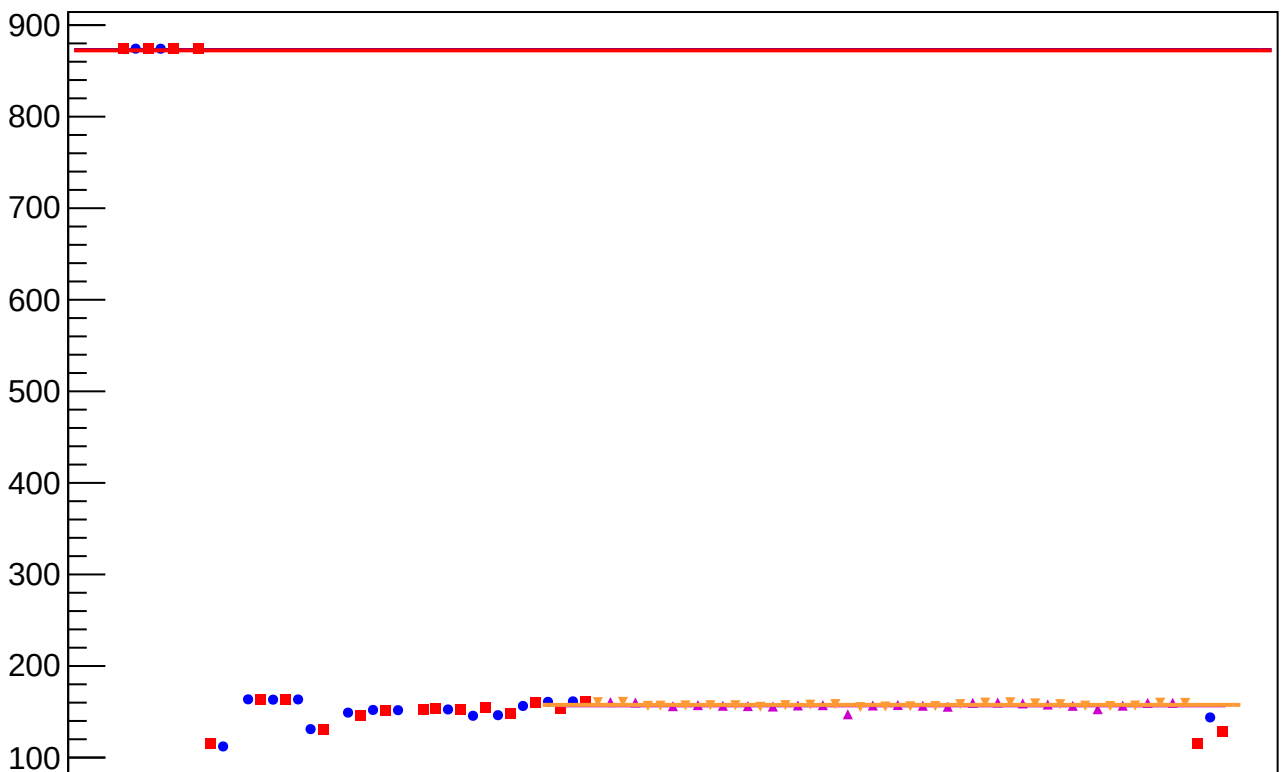
Right: 0.346+/-0.000 χ^2/NDF: 2730592.1/37

In: 0.408+/-0.000 χ^2/NDF:3455139.5/39

Out: 0.405+/-0.000 χ^2/NDF:3606895.4/45

All: 0.407+/-0.000 χ^2/NDF: 7063217.5/85

yield_cav4bQ_mean vs Slug, Sign Corrected



Right In: 872.802+/-0.000 χ^2/NDF: 7293515129965.8/16

Left Out: 157.566+/-0.000 χ^2/NDF:104641292.0/24

Right Out: 872.402+/-0.000 χ^2/NDF: 10845592962660.7/20

Left In: 157.013+/-0.000 χ^2/NDF:239819941.9/22

Left: 157.295+/-0.000 χ^2/NDF: 349528490.6/47

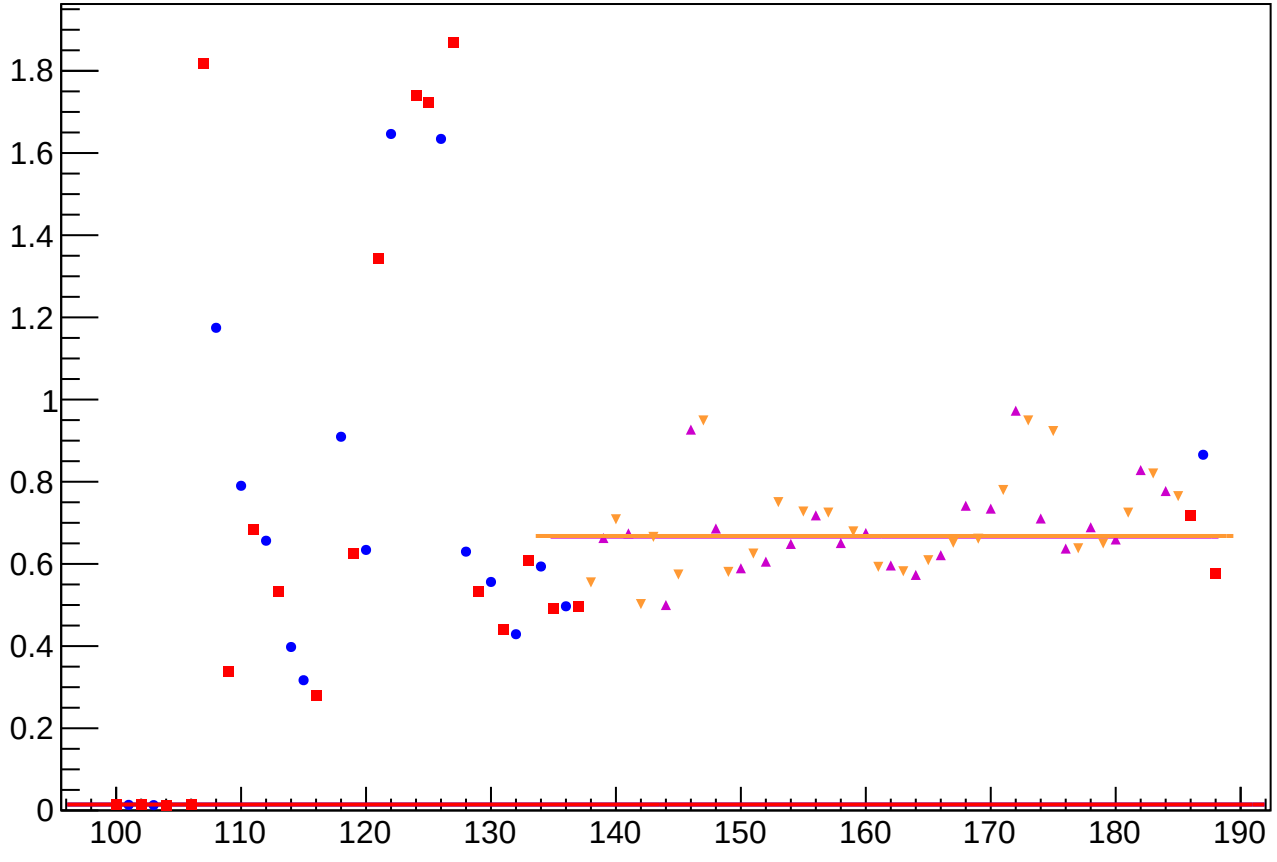
Right: 872.588+/-0.000 χ^2/NDF: 18139719325194.

In: 869.561+/-0.000 χ^2/NDF:23823327732289.8/3

Out: 869.465+/-0.000 χ^2/NDF:28087268534056.0

All: 869.509+/-0.000 χ^2/NDF: 519106317763

yield_cav4bQ_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 9900416.9/16

Left Out: 0.668+/-0.000 χ^2/NDF:681720.2/24

Right Out: 0.014+/-0.000 χ^2/NDF: 11515835.2/20

Left In: 0.666+/-0.000 χ^2/NDF:536078.9/22

Left: 0.667+/-0.000 χ^2/NDF: 1217874.8/47

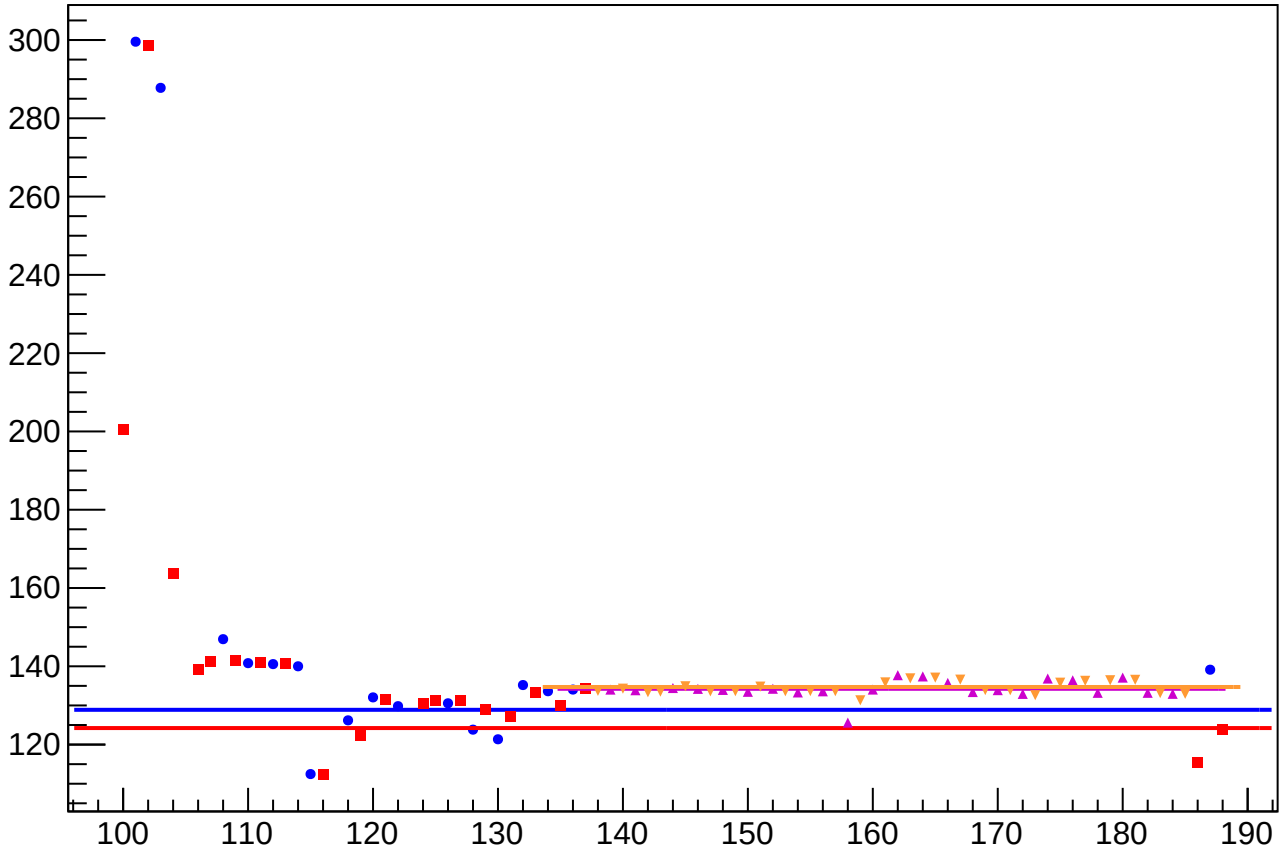
Right: 0.014+/-0.000 χ^2/NDF: 21416272.7/37

In: 0.017+/-0.000 χ^2/NDF:37870851.1/39

Out: 0.017+/-0.000 χ^2/NDF:41018592.3/45

All: 0.017+/-0.000 χ^2/NDF: 78889799.0/85

yield_cav4cQ_mean vs Slug, Sign Corrected



Right In: 128.883+/-0.000 χ^2/NDF: 1681580189.4/16

Left Out: 134.714+/-0.000 χ^2/NDF:159886495.0/24

Right Out: 124.222+/-0.000 χ^2/NDF: 1483716148.2/20

Left In: 134.250+/-0.000 χ^2/NDF:441522664.4/22

Left: 134.494+/-0.000 χ^2/NDF: 608238403.3/47

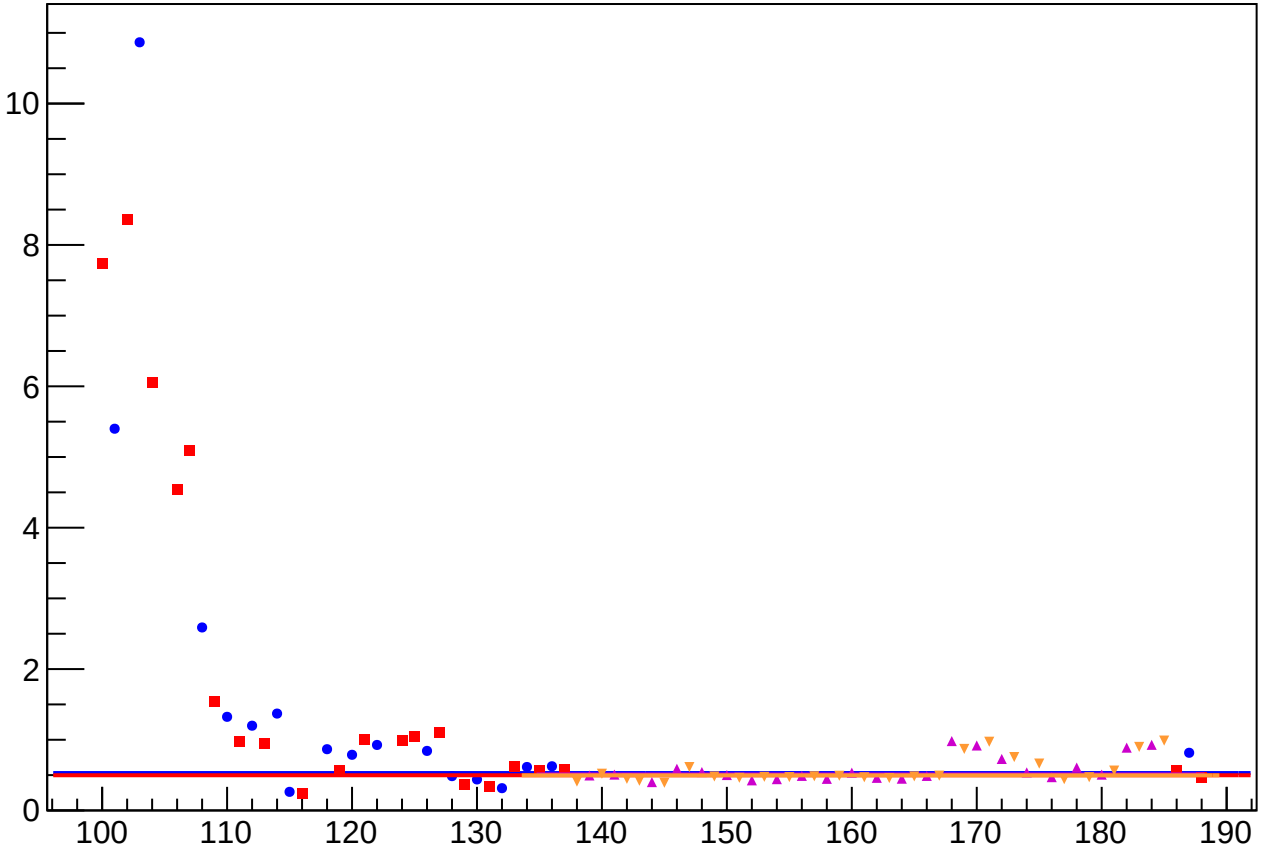
Right: 126.184+/-0.000 χ^2/NDF: 3336409409.2/37

In: 133.264+/-0.000 χ^2/NDF:2442959193.2/39

Out: 132.422+/-0.000 χ^2/NDF:3252655614.3/45

All: 132.812+/-0.000 χ^2/NDF: 5723753930.5

yield_cav4cQ_rms vs Slug, Sign Corrected



Right In: 0.529+/-0.000 χ^2/NDF: 4178233.5/16

Left Out: 0.497+/-0.000 χ^2/NDF:1572512.9/24

Right Out: 0.498+/-0.000 χ^2/NDF: 4899972.8/20

Left In: 0.510+/-0.000 χ^2/NDF:1485489.4/22

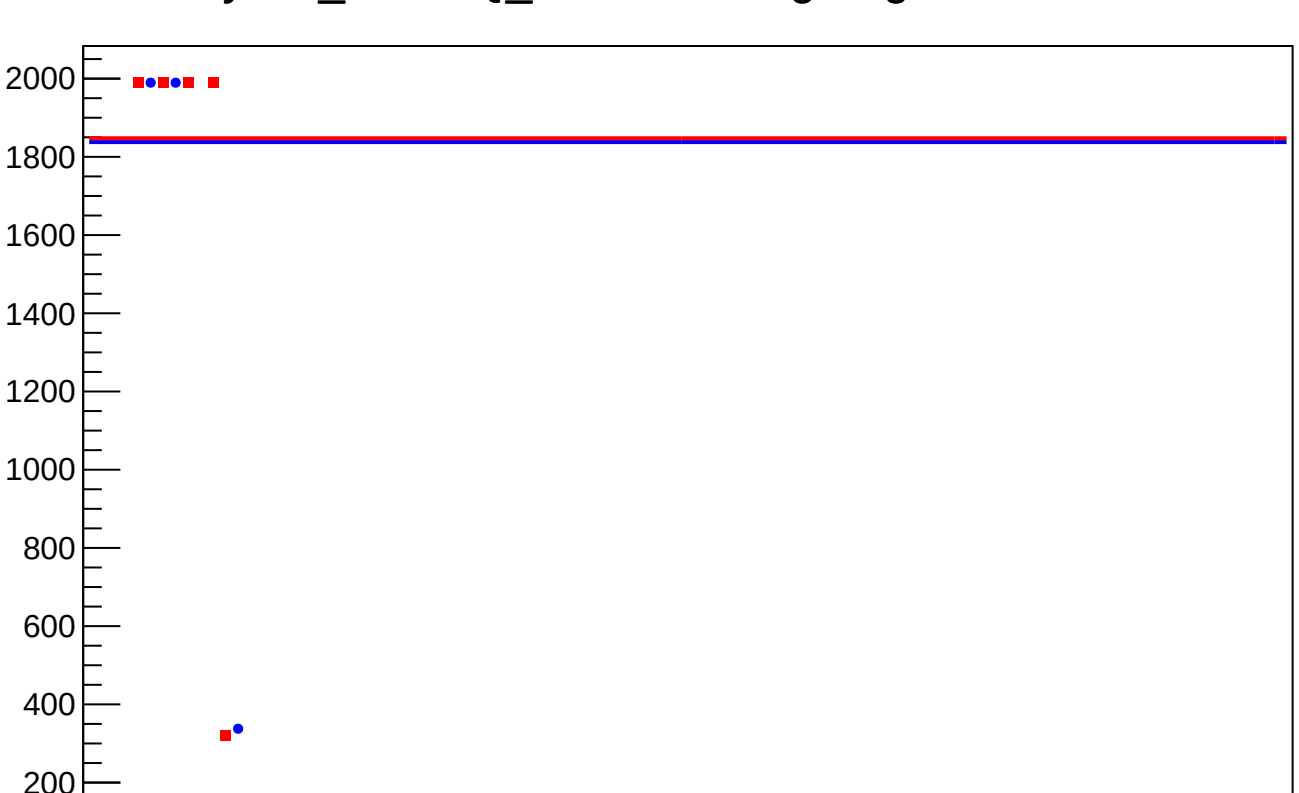
Left: 0.503+/-0.000 χ^2/NDF: 3068206.7/47

Right: 0.511+/-0.000 χ^2/NDF: 9093455.8/37

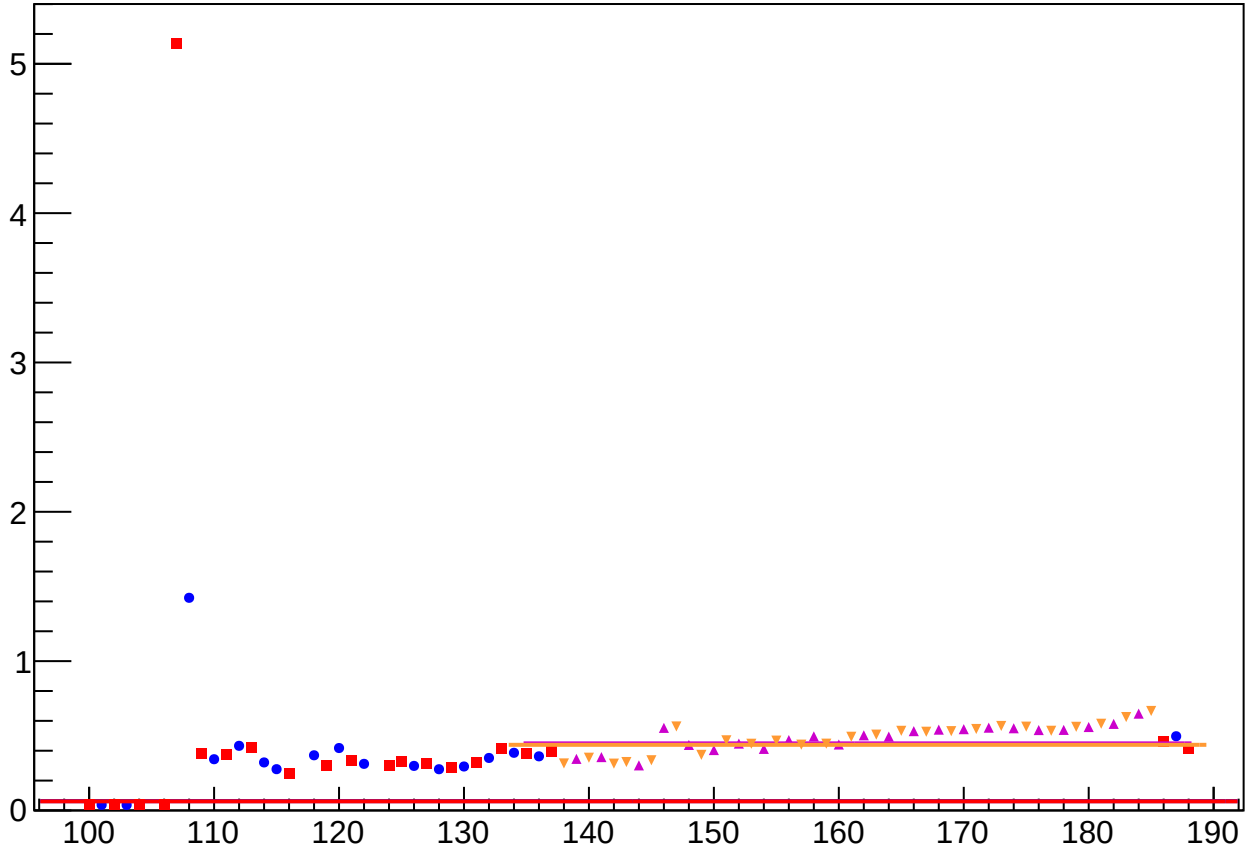
In: 0.513+/-0.000 χ^2/NDF:5672222.6/39

Out: 0.497+/-0.000 χ^2/NDF:6472522.5/45

All: 0.505+/-0.000 χ^2/NDF: 12165136.8/85


yield_cav4dQ_mean vs Slug, Sign Corrected
2000
1800
1600
1400
1200
1000
800
600
400
200
100
110
120
130
140
150
160
170
180
190
Right In: 1837.762+/-0.000 χ²/NDF: 147871291328152.1/16
Left Out: 137.578+/-0.000 χ²/NDF:64111345.2/24
Right Out: 1847.526+/-0.000 χ²/NDF: 164150797563574.0/20
Left In: 137.349+/-0.000 χ²/NDF:248752254.7/22
Left: 137.469+/-0.000 χ²/NDF: 315189054.5/47
Right: 1843.045+/-0.000 χ²/NDF: 31205153976395
In: 1617.704+/-0.000 χ²/NDF:361536363405668.
Out: 1640.240+/-0.000 χ²/NDF:402714755895305
All: 1629.844+/-0.000 χ²/NDF: 7644305702

yield_cav4dQ_rms vs Slug, Sign Corrected



Right In: 0.062+/-0.000 χ^2/NDF: 8430755.1/16

Left Out: 0.440+/-0.000 χ^2/NDF:1765604.0/24

Right Out: 0.061+/-0.000 χ^2/NDF: 9665292.0/20

Left In: 0.449+/-0.000 χ^2/NDF:1340860.2/22

Left: 0.444+/-0.000 χ^2/NDF: 3114822.4/47

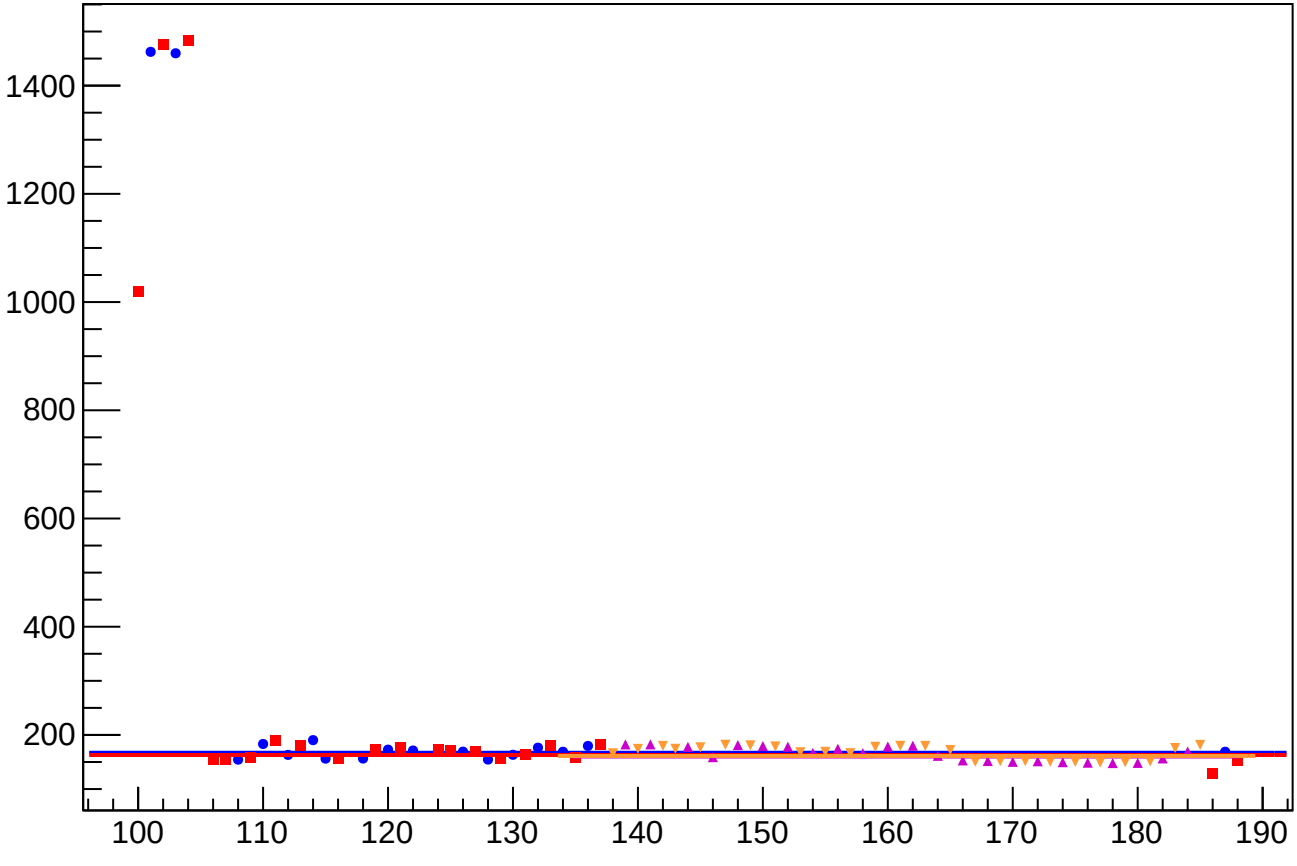
Right: 0.062+/-0.000 χ^2/NDF: 18096791.0/37

In: 0.112+/-0.000 χ^2/NDF:31903496.2/39

Out: 0.107+/-0.000 χ^2/NDF:34791684.7/45

All: 0.110+/-0.000 χ^2/NDF: 66715112.5/85

yield_bcm0l02_mean vs Slug, Sign Corrected



Right In: 167.074+/-0.000 χ^2/NDF: 14615560472.6/16

Left Out: 161.147+/-0.000 χ^2/NDF:3739064587.8/24

Right Out: 162.943+/-0.000 χ^2/NDF: 17303429949.2/20

Left In: 160.140+/-0.000 χ^2/NDF:3738383186.1/22

Left: 160.653+/-0.000 χ^2/NDF: 7489655459.9/47

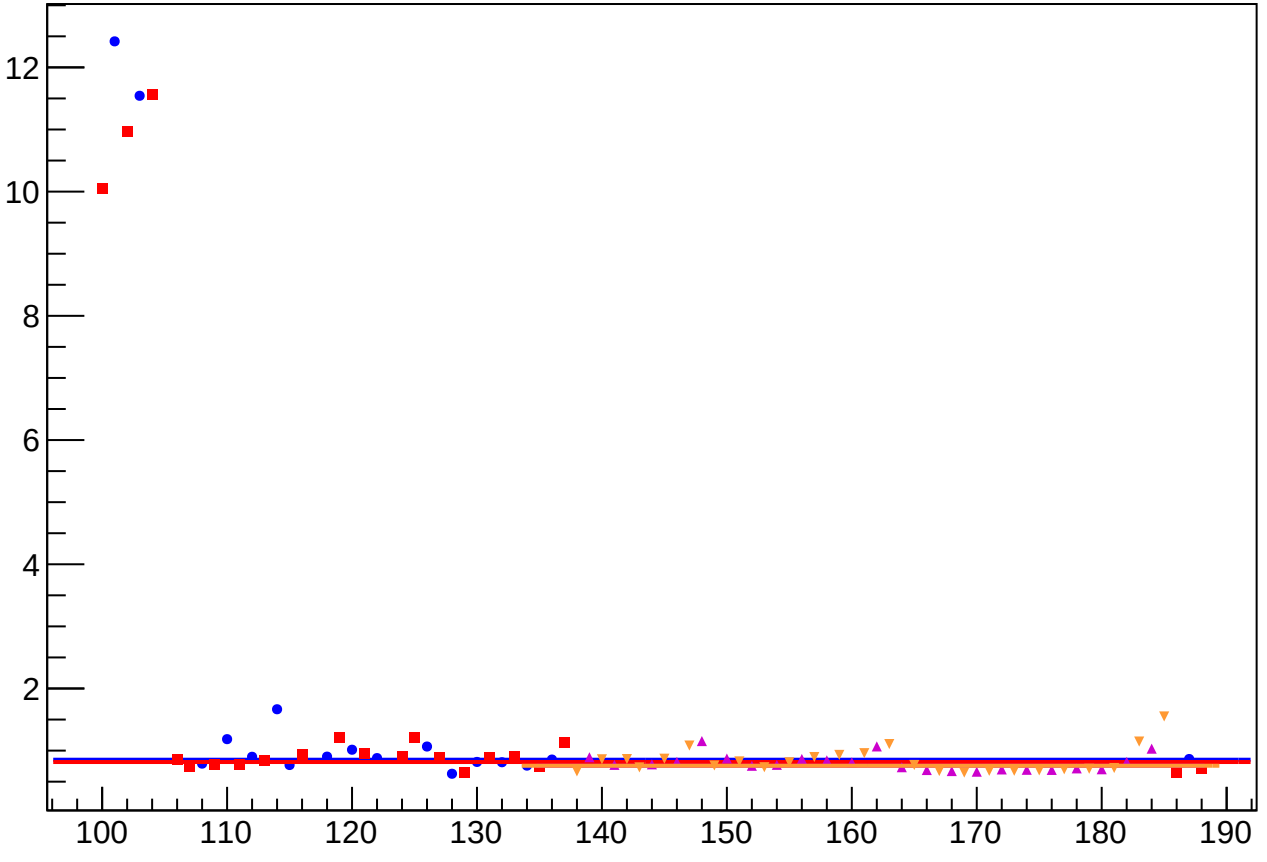
Right: 164.673+/-0.000 χ^2/NDF: 31973160888.3/37

In: 161.443+/-0.000 χ^2/NDF:18567139181.5/39

Out: 161.571+/-0.000 χ^2/NDF:21061149494.6/45

All: 161.510+/-0.000 χ^2/NDF: 39628540127.

yield_bcm0l02_rms vs Slug, Sign Corrected



Right In: 0.853+/-0.000 χ^2/NDF: 2302341.7/16

Left Out: 0.756+/-0.000 χ^2/NDF:750259.3/24

Right Out: 0.816+/-0.000 χ^2/NDF: 2301023.3/20

Left In: 0.755+/-0.000 χ^2/NDF:472792.1/22

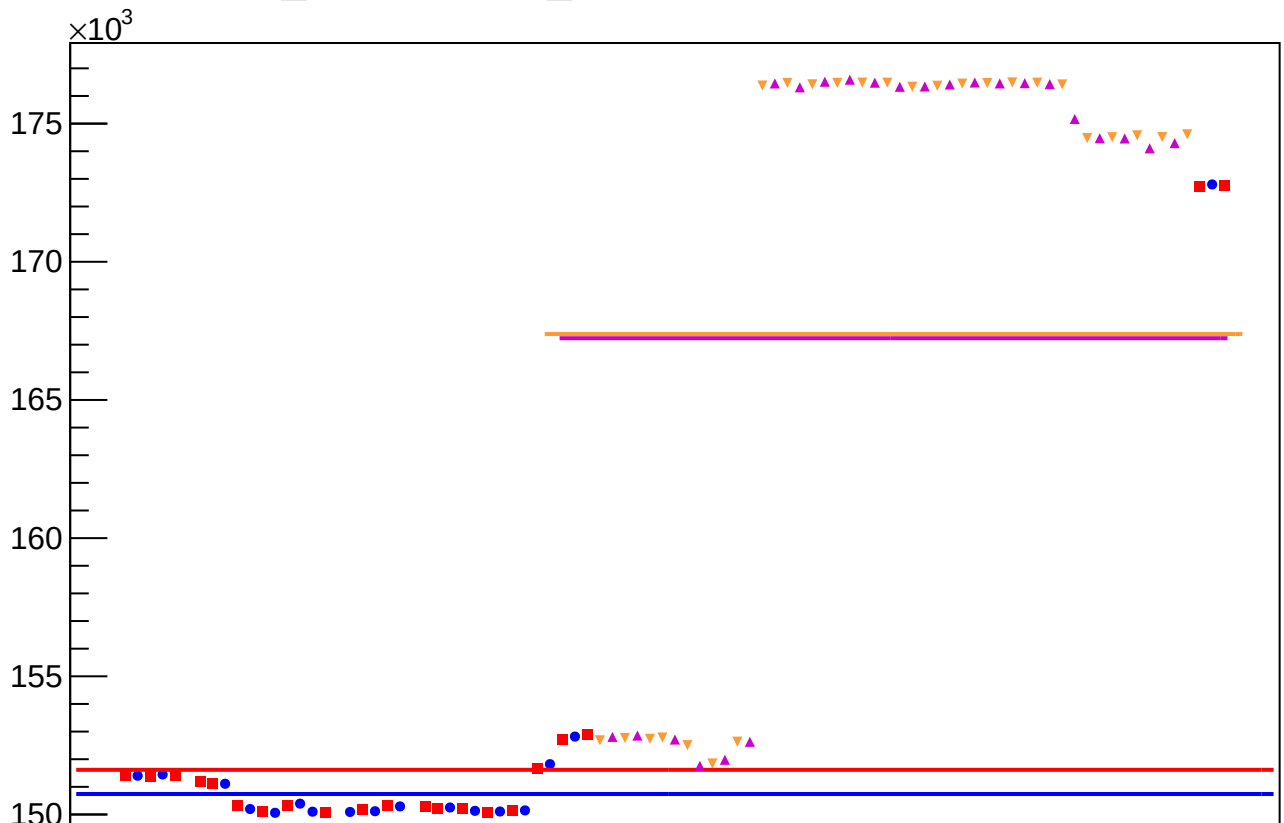
Left: 0.756+/-0.000 χ^2/NDF: 1223069.5/47

Right: 0.832+/-0.000 χ^2/NDF: 4612091.3/37

In: 0.774+/-0.000 χ^2/NDF:2860077.7/39

Out: 0.770+/-0.000 χ^2/NDF:3092865.4/45

All: 0.772+/-0.000 χ^2/NDF: 5953290.7/85



Right In: 150741.657+/-0.054 χ^2/NDF: 1526841817.7/16

Left Out: 167385.483+/-0.047 χ^2/NDF:59602607546.2/24

Right Out: 151616.751+/-0.050 χ^2/NDF: 9203628484.8/20

Left In: 167234.214+/-0.049 χ^2/NDF:55099214555.0/22

Left: 167313.229+/-0.034 χ^2/NDF: 114706826739.

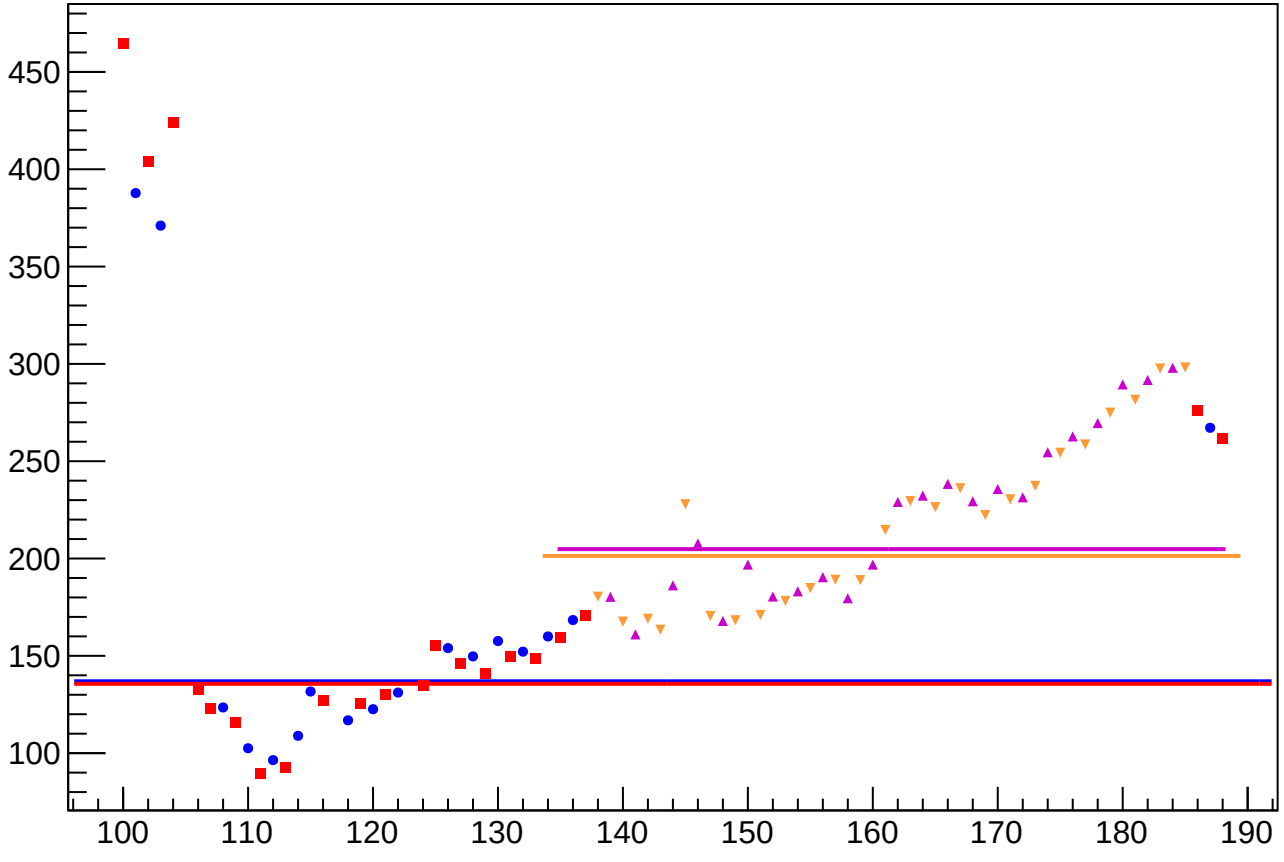
Right: 151218.136+/-0.037 χ^2/NDF: 10871379297.

In: 159868.181+/-0.036 χ^2/NDF:107492669938.5

Out: 159994.560+/-0.034 χ^2/NDF:122171376839.

All: 159935.478+/-0.025 χ^2/NDF: 229670482

yield_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 136.918+/-0.038 χ^2/NDF: 1506282.4/16

Left Out: 201.329+/-0.033 χ^2/NDF:1230655.6/24

Right Out: 135.630+/-0.035 χ^2/NDF: 2299519.4/20

Left In: 204.826+/-0.035 χ^2/NDF:1053130.7/22

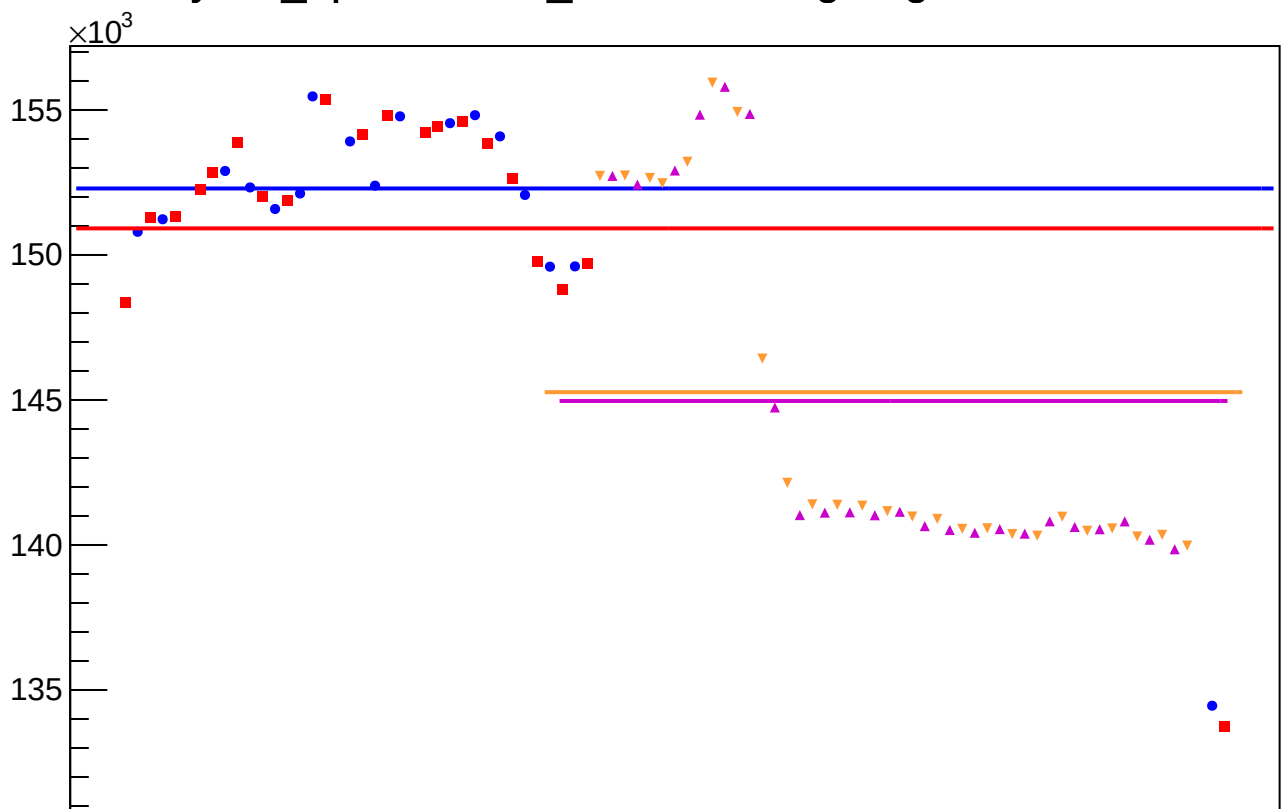
Left: 202.999+/-0.024 χ^2/NDF: 2289136.5/47

Right: 136.217+/-0.026 χ^2/NDF: 3806411.8/37

In: 174.496+/-0.026 χ^2/NDF:4284172.6/39

Out: 170.535+/-0.024 χ^2/NDF:5382856.8/45

All: 172.387+/-0.018 χ^2/NDF: 9679672.1/85



Right In: 152293.423+/-0.072 χ^2/NDF: 1524114229.4/16

Left Out: 145269.857+/-0.049 χ^2/NDF:13706269279.5/24

Right Out: 150917.021+/-0.063 χ^2/NDF: 9299088405.1/20

Left In: 144966.398+/-0.051 χ^2/NDF:13154547043.3/22

Left: 145123.606+/-0.036 χ^2/NDF: 26879011850.5

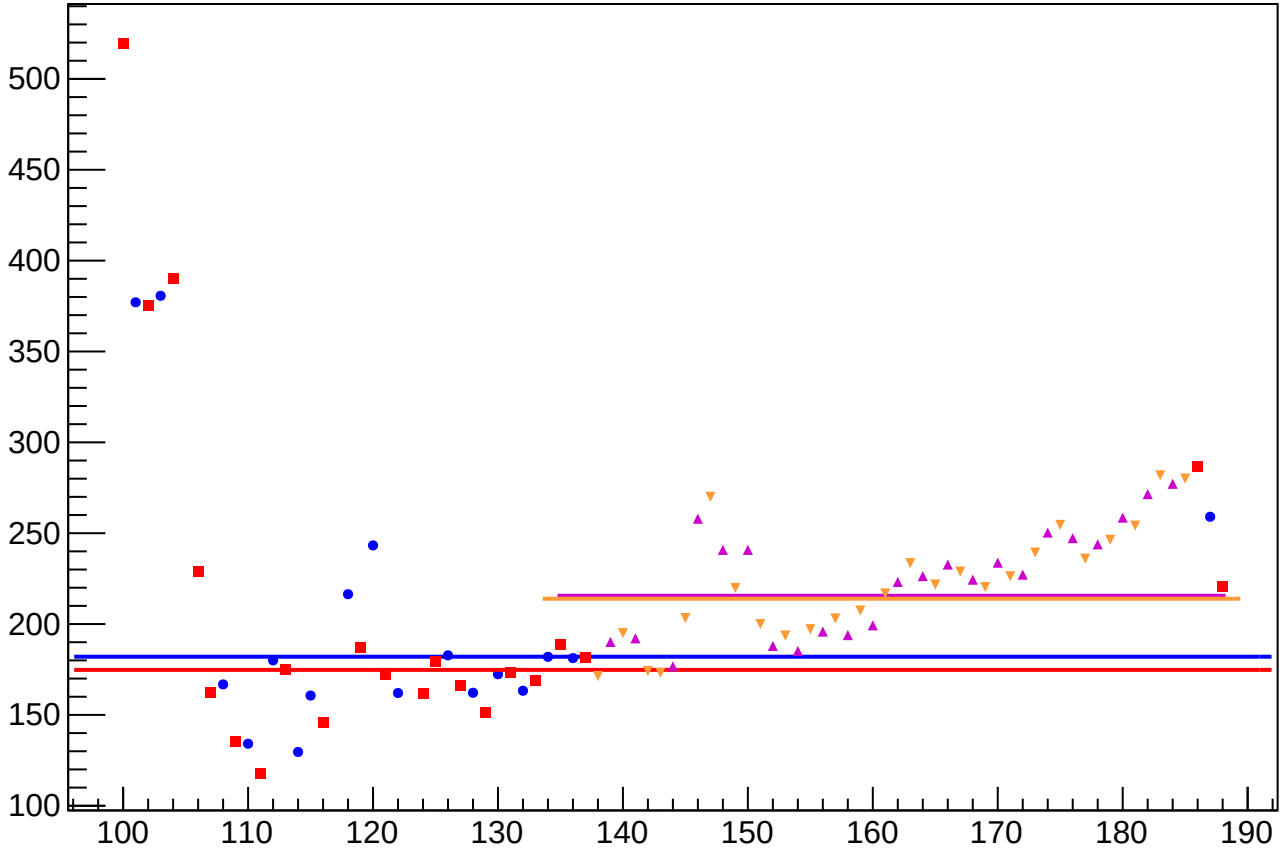
Right: 151516.420+/-0.048 χ^2/NDF: 11028905655.4

In: 147422.685+/-0.042 χ^2/NDF:21542940065.1/3

Out: 147405.443+/-0.039 χ^2/NDF:27949744463.0

All: 147413.466+/-0.028 χ^2/NDF: 49492757

yield_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 182.033+/-0.051 χ^2/NDF: 940181.3/16

Left Out: 213.951+/-0.035 χ^2/NDF:650607.8/24

Right Out: 174.781+/-0.045 χ^2/NDF: 1314837.0/20

Left In: 215.539+/-0.036 χ^2/NDF:600575.7/22

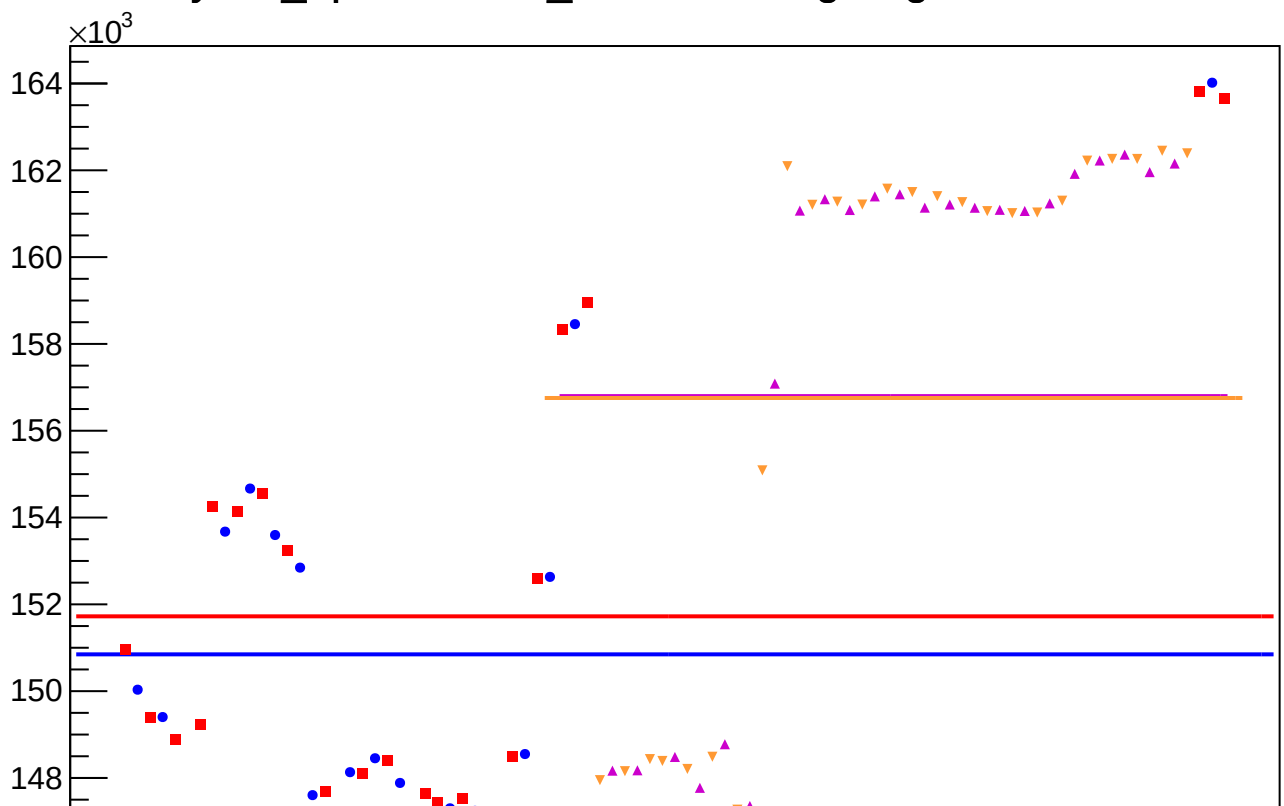
Left: 214.716+/-0.025 χ^2/NDF: 1252179.3/47

Right: 177.939+/-0.034 χ^2/NDF: 2266439.6/37

In: 204.306+/-0.030 χ^2/NDF:1827839.2/39

Out: 199.138+/-0.028 χ^2/NDF:2441214.8/45

All: 201.543+/-0.020 χ^2/NDF: 4285442.2/85



Right In: 150848.010+/-0.063 χ^2/NDF: 3669038207.5/16

Left Out: 156754.233+/-0.049 χ^2/NDF:16380807583.4/24

Right Out: 151723.857+/-0.058 χ^2/NDF: 5767040452.2/20

Left In: 156798.005+/-0.051 χ^2/NDF:14344098884.4/22

Left: 156775.103+/-0.035 χ^2/NDF: 30725292627.5

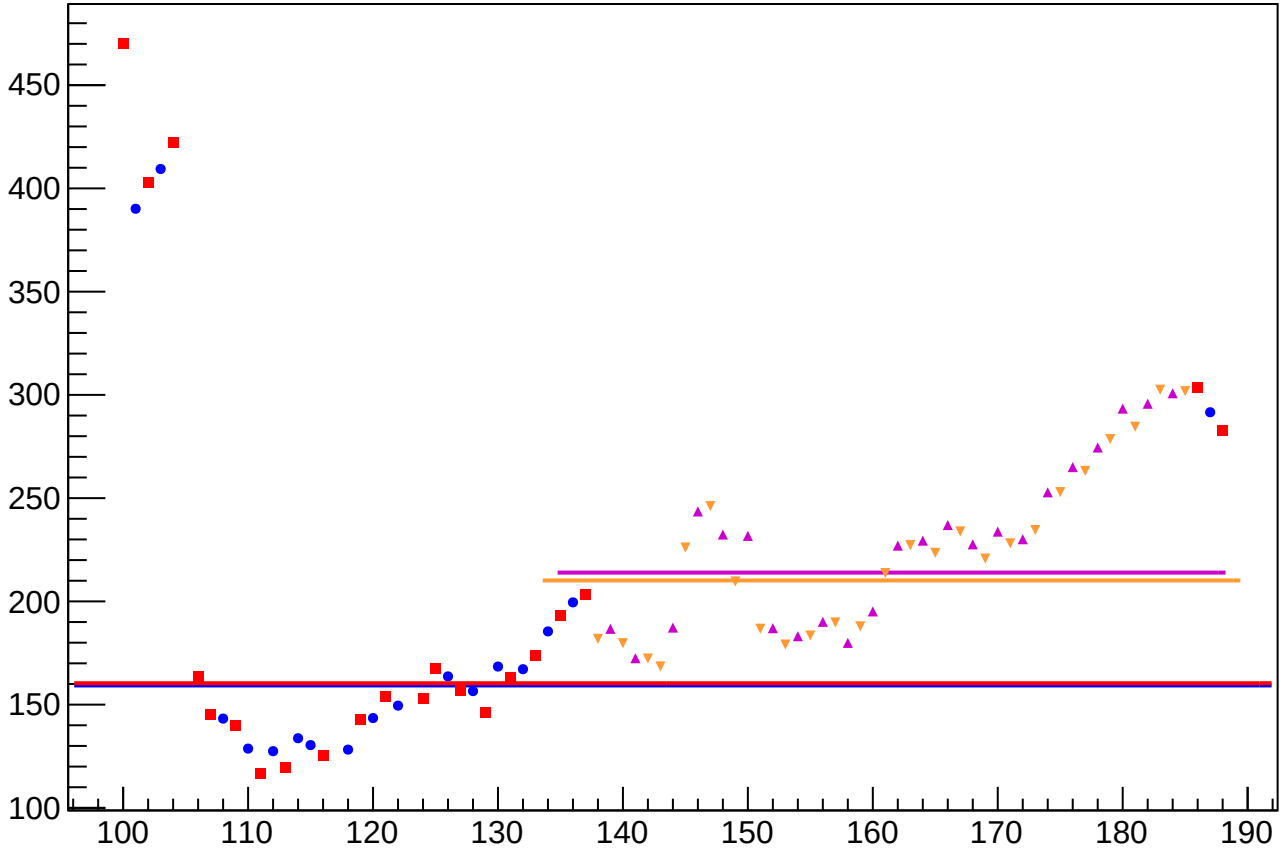
Right: 151316.765+/-0.043 χ^2/NDF: 9540757271.7/

In: 154428.241+/-0.040 χ^2/NDF:23444525288.5/3

Out: 154692.400+/-0.037 χ^2/NDF:26531960439.5

All: 154567.732+/-0.027 χ^2/NDF: 500000745

yield_bpm0i01WS_rms vs Slug, Sign Corrected



Right In: 159.290+/-0.044 χ^2/NDF: 1273442.3/16

Left Out: 210.142+/-0.034 χ^2/NDF:997802.7/24

Right Out: 160.371+/-0.041 χ^2/NDF: 1832487.4/20

Left In: 213.945+/-0.036 χ^2/NDF:914465.3/22

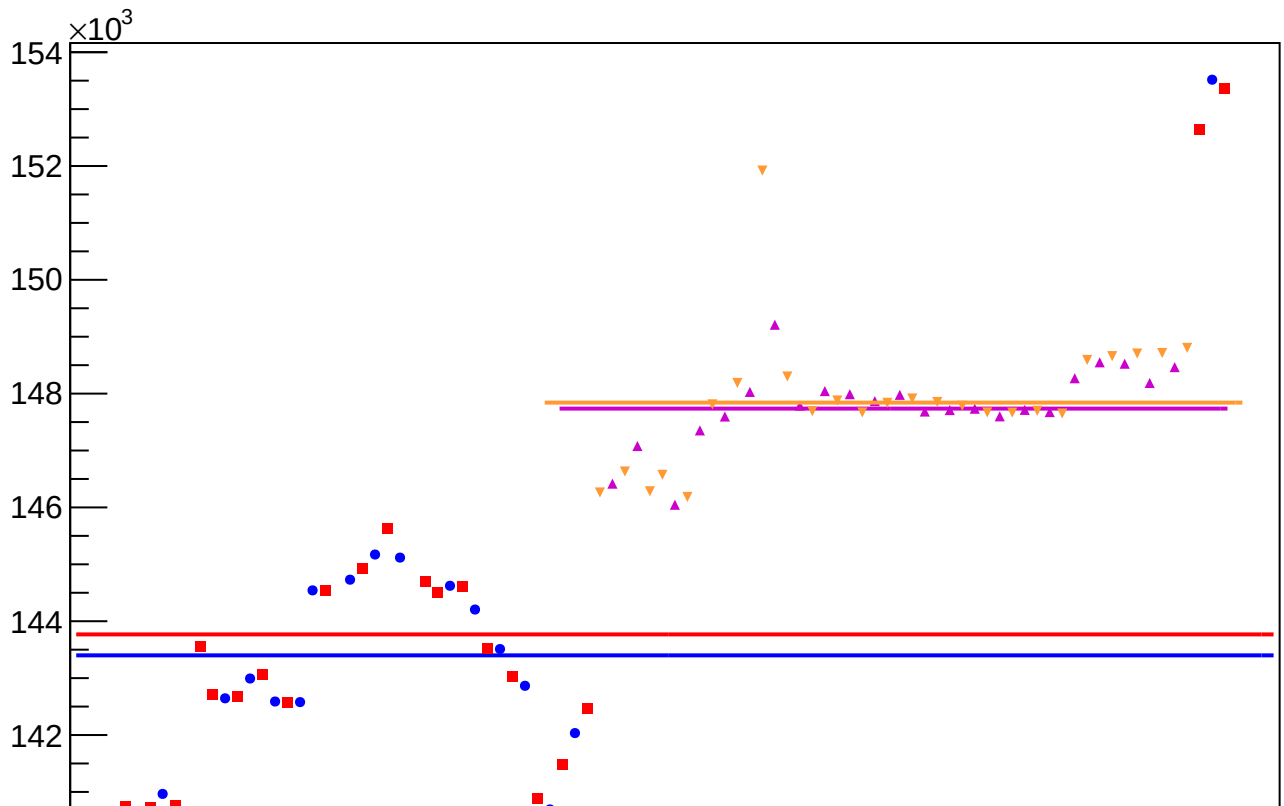
Left: 211.955+/-0.025 χ^2/NDF: 1918098.0/47

Right: 159.869+/-0.030 χ^2/NDF: 3106248.6/37

In: 192.177+/-0.028 χ^2/NDF:3104484.9/39

Out: 189.742+/-0.026 χ^2/NDF:3688642.4/45

All: 190.891+/-0.019 χ^2/NDF: 6797136.2/85



Right In: 143400.230+/-0.053 χ^2/NDF: 850448359.9/16

Left Out: 147842.157+/-0.045 χ^2/NDF:713066054.2/24

Right Out: 143768.244+/-0.048 χ^2/NDF: 2545385884.3/20

Left In: 147736.722+/-0.047 χ^2/NDF:227077133.0/22

Left: 147791.782+/-0.033 χ^2/NDF: 942750848.6/47

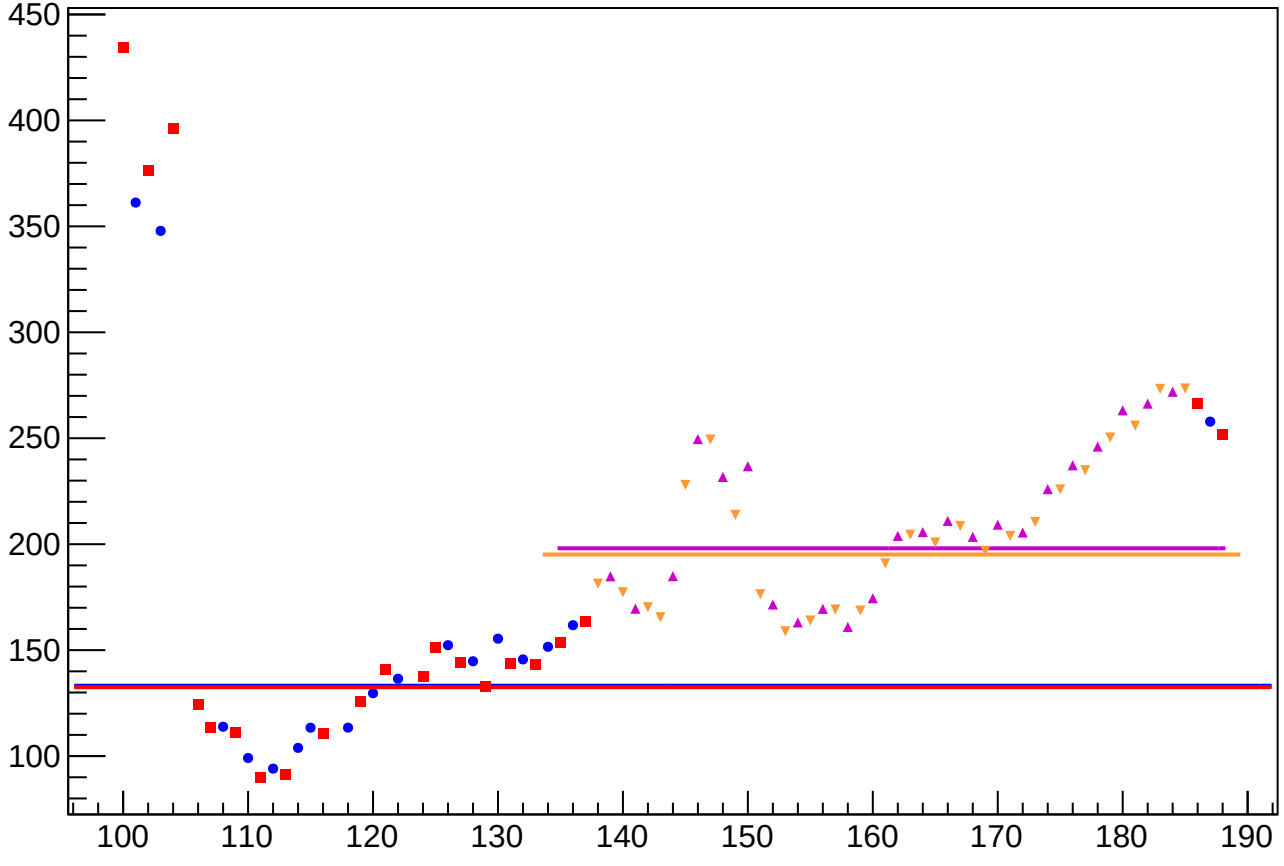
Right: 143600.300+/-0.036 χ^2/NDF: 3422131224.7/

In: 145815.933+/-0.035 χ^2/NDF:4818987275.5/39

Out: 145950.771+/-0.033 χ^2/NDF:7041555323.3/4

All: 145887.661+/-0.024 χ^2/NDF: 11868341

yield_bpm0i01aWS_rms vs Slug, Sign Corrected



Right In: 133.197+/-0.037 χ^2/NDF: 1467562.4/16

Left Out: 195.145+/-0.032 χ^2/NDF:903994.2/24

Right Out: 132.505+/-0.034 χ^2/NDF: 2208611.2/20

Left In: 198.057+/-0.033 χ^2/NDF:900359.1/22

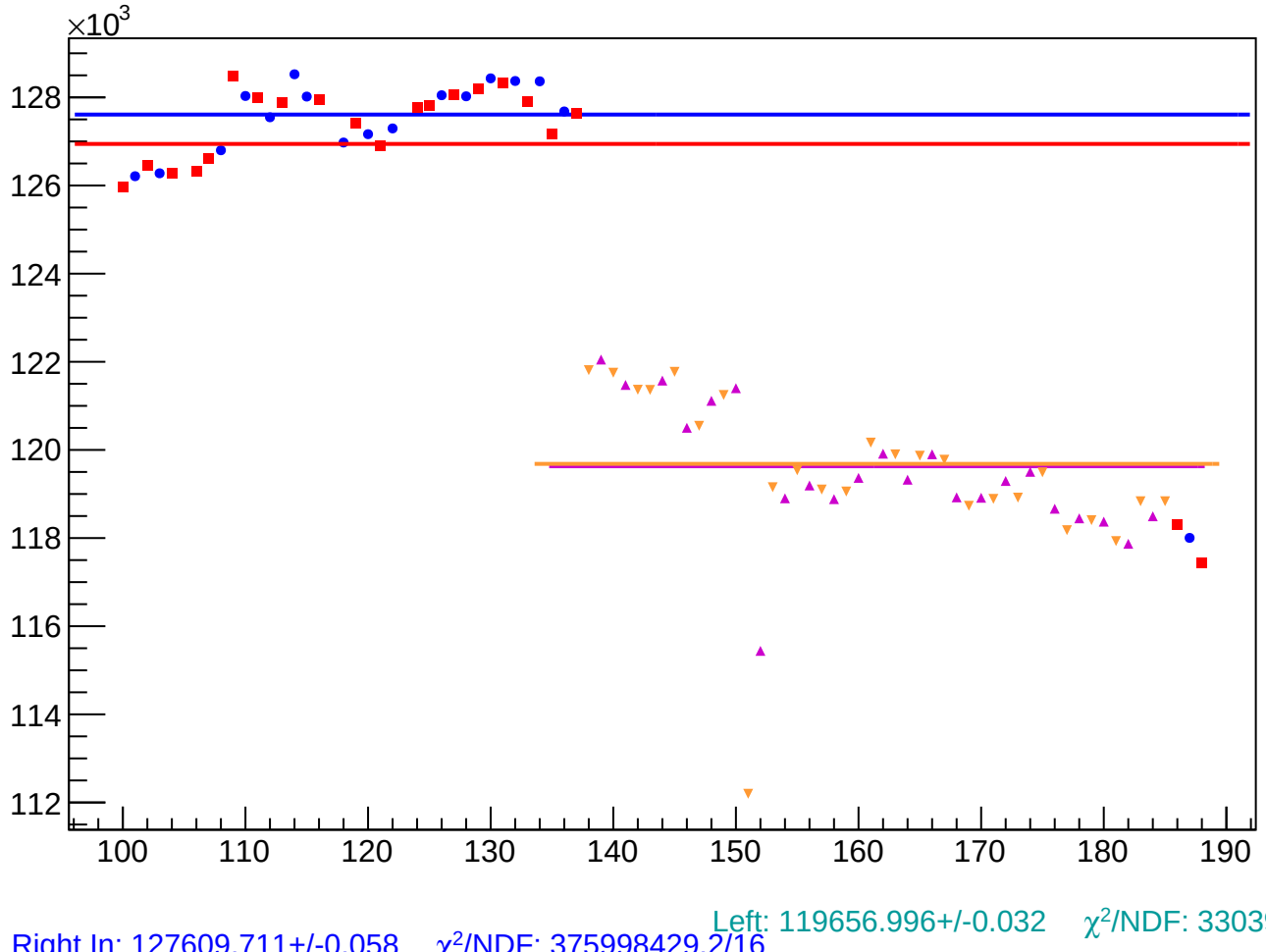
Left: 196.536+/-0.023 χ^2/NDF: 1808329.6/47

Right: 132.821+/-0.025 χ^2/NDF: 3676359.6/37

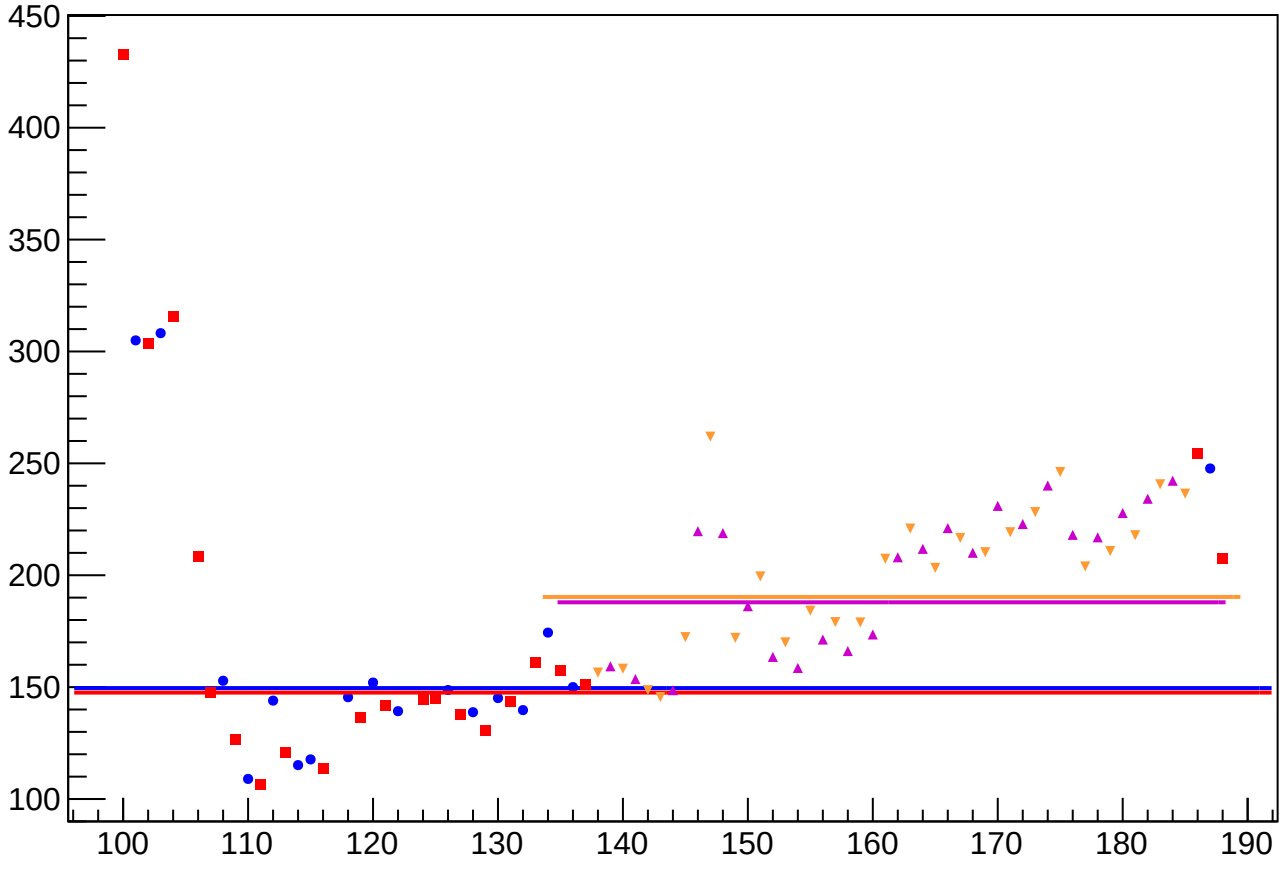
In: 169.328+/-0.025 χ^2/NDF:4041881.9/39

Out: 166.064+/-0.023 χ^2/NDF:4901422.1/45

All: 167.591+/-0.017 χ^2/NDF: 8952446.5/85


yield_bpm0l01WS_mean vs Slug, Sign Corrected
×10^3
128
126
124
122
120
118
116
114
112
100
110
120
130
140
150
160
170
180
190
Right In: 127609.711+/-0.058 χ²/NDF: 375998429.2/16
Left Out: 119683.519+/-0.044 χ²/NDF:1985993997.6/24
Right Out: 126943.286+/-0.053 χ²/NDF: 2763798591.7/20
Left In: 119629.600+/-0.045 χ²/NDF:1317214801.7/22
Left: 119656.996+/-0.032 χ²/NDF: 3303938698.8/4
Right: 127244.055+/-0.039 χ²/NDF: 3211916702.1/
In: 122618.868+/-0.036 χ²/NDF:13480482390.7/3
Out: 122685.317+/-0.034 χ²/NDF:15872136459.2
All: 122653.695+/-0.025 χ²/NDF: 29354473

yield_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 149.569+/-0.041 χ^2/NDF: 884394.0/16

Left Out: 190.298+/-0.031 χ^2/NDF:924542.3/24

Right Out: 147.564+/-0.037 χ^2/NDF: 1327658.4/20

Left In: 187.909+/-0.032 χ^2/NDF:926037.0/22

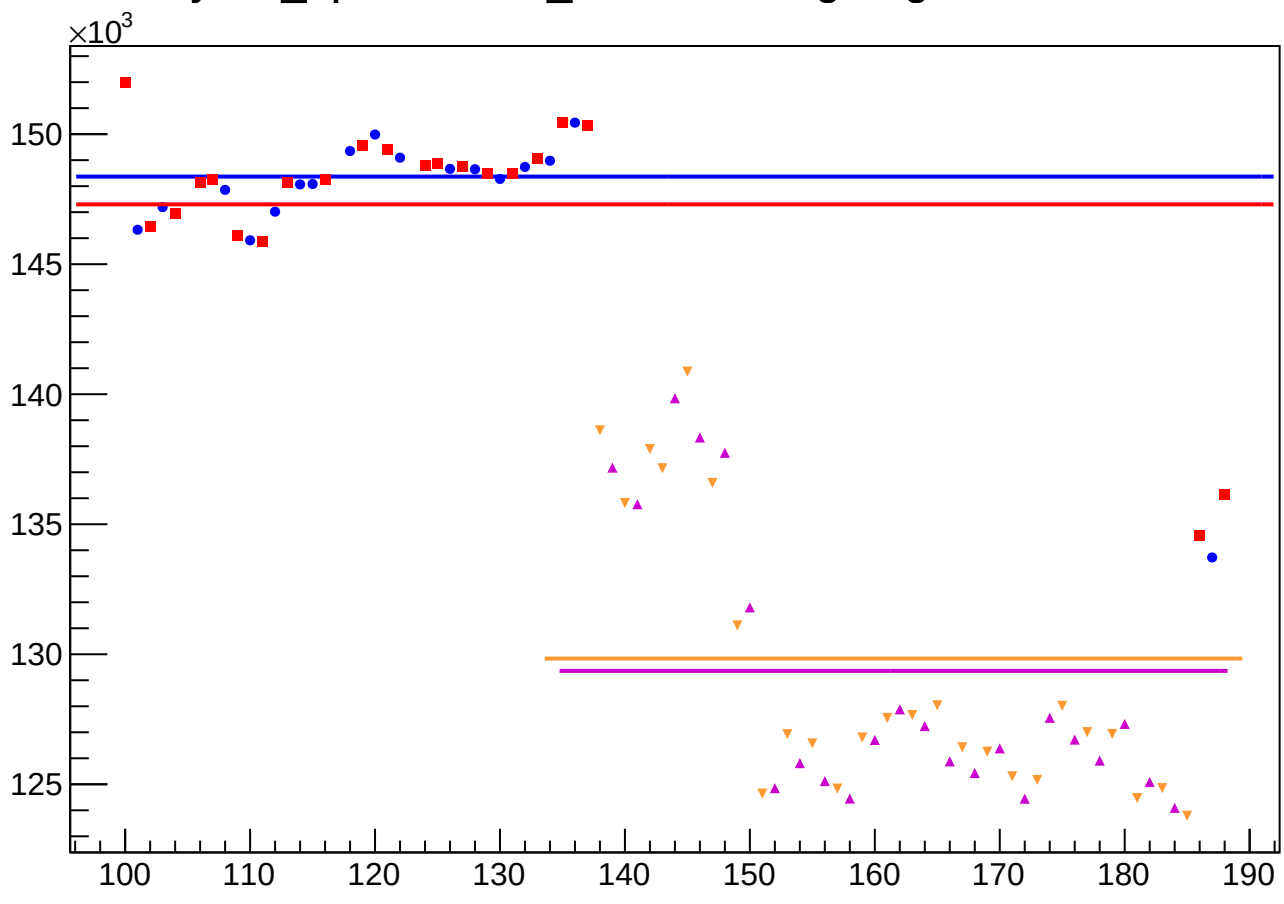
Left: 189.123+/-0.022 χ^2/NDF: 1853444.5/47

Right: 148.469+/-0.028 χ^2/NDF: 2213357.4/37

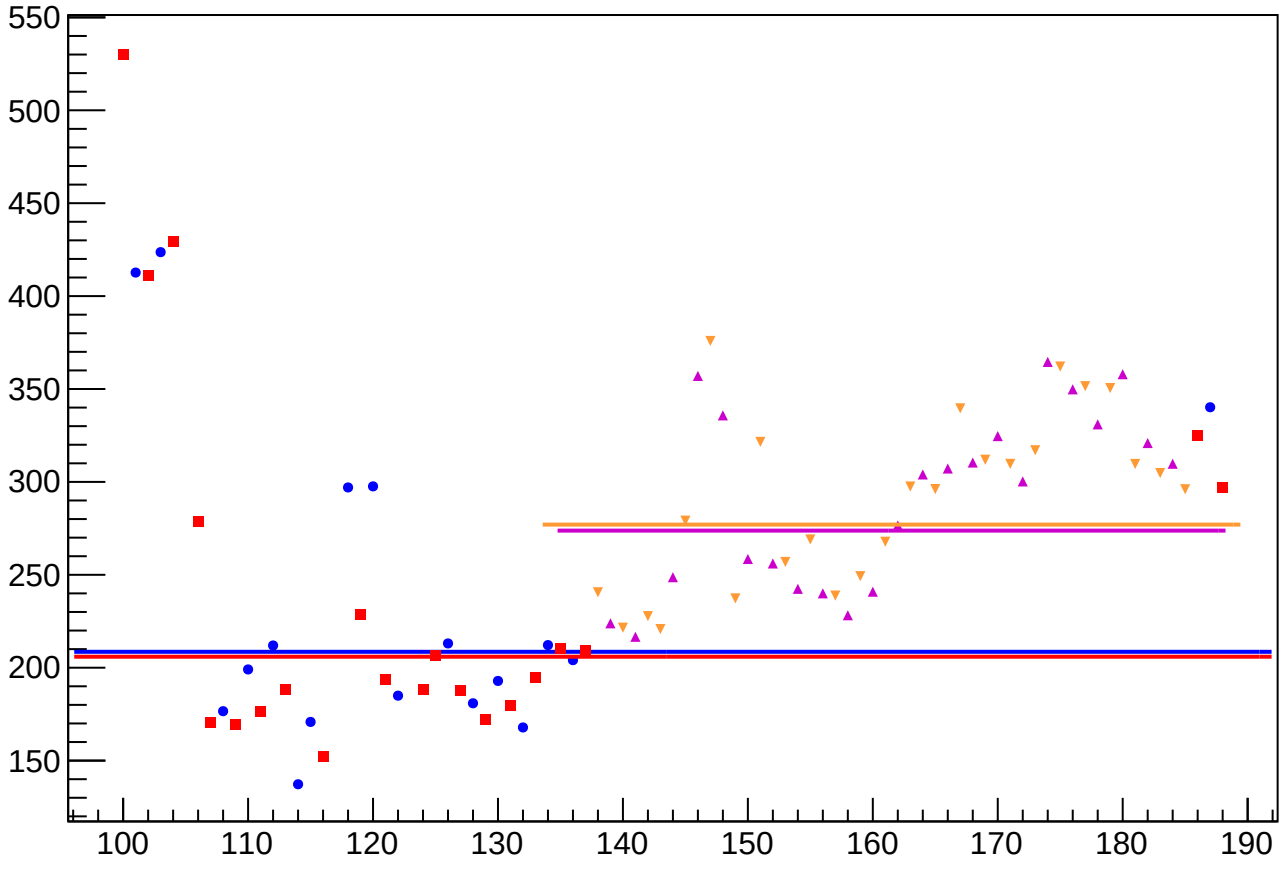
In: 173.547+/-0.025 χ^2/NDF:2354593.5/39

Out: 172.628+/-0.024 χ^2/NDF:3022950.0/45

All: 173.065+/-0.017 χ^2/NDF: 5378243.0/85


yield_bpm0l02WS_mean vs Slug, Sign Corrected
×10^3
150
145
140
135
130
125
100
110
120
130
140
150
160
170
180
190
Right In: 148368.931+/-0.081 χ²/NDF: 559244247.1/16
Left Out: 129834.437+/-0.064 χ²/NDF:6793515279.7/24
Right Out: 147299.704+/-0.074 χ²/NDF: 2403005021.5/20
Left In: 129360.487+/-0.065 χ²/NDF:6626094577.9/22
Left: 129601.685+/-0.046 χ²/NDF: 13446375271.9
Right: 147779.620+/-0.055 χ²/NDF: 3057113545.4/
In: 136799.681+/-0.051 χ²/NDF:40293858538.7/3
Out: 137387.168+/-0.048 χ²/NDF:41202207670.4
All: 137108.909+/-0.035 χ²/NDF: 81565951

yield_bpm0l02WS_rms vs Slug, Sign Corrected



Right In: 208.562+/-0.058 χ^2/NDF: 1028754.0/16

Left Out: 277.021+/-0.045 χ^2/NDF:946602.2/24

Right Out: 205.922+/-0.052 χ^2/NDF: 1212227.0/20

Left In: 273.784+/-0.046 χ^2/NDF:1003910.6/22

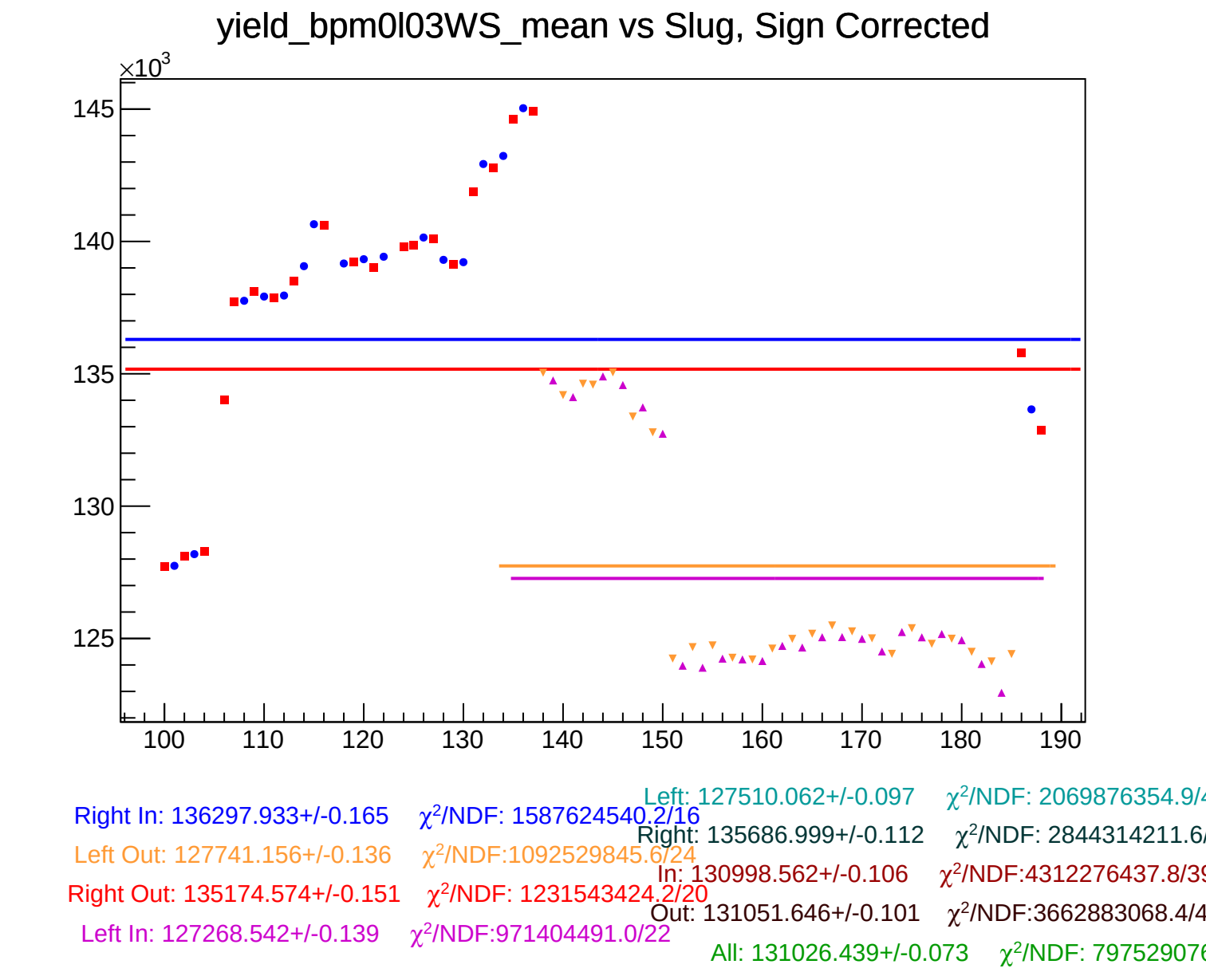
Left: 275.432+/-0.032 χ^2/NDF: 1953009.0/47

Right: 207.107+/-0.039 χ^2/NDF: 2242137.4/37

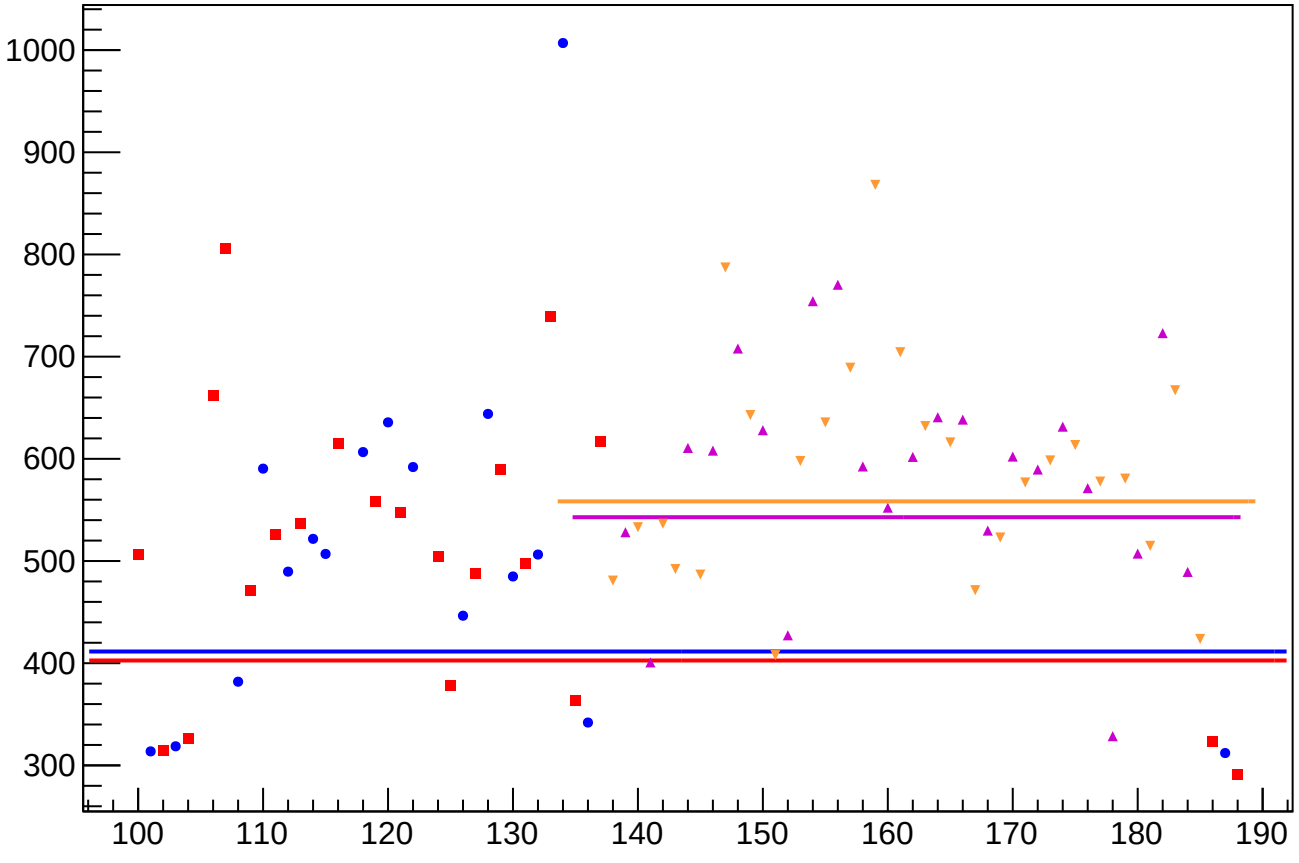
In: 248.259+/-0.036 χ^2/NDF:2812274.0/39

Out: 246.275+/-0.034 χ^2/NDF:3219633.5/45

All: 247.214+/-0.025 χ^2/NDF: 6033501.8/85


yield_bpm0l03WS_mean vs Slug, Sign Corrected
×10^3
145
140
135
130
125
100
110
120
130
140
150
160
170
180
190
Right In: 136297.933+/-0.165 χ²/NDF: 1587624540.2/16
Left Out: 127741.156+/-0.136 χ²/NDF:1092529845.6/24
Right Out: 135174.574+/-0.151 χ²/NDF: 1231543424.2/20
Left In: 127268.542+/-0.139 χ²/NDF:971404491.0/22
Left: 127510.062+/-0.097 χ²/NDF: 2069876354.9/4
Right: 135686.999+/-0.112 χ²/NDF: 2844314211.6/
In: 130998.562+/-0.106 χ²/NDF:4312276437.8/39
Out: 131051.646+/-0.101 χ²/NDF:3662883068.4/4
All: 131026.439+/-0.073 χ²/NDF: 79752907

yield_bpm0l03WS_rms vs Slug, Sign Corrected



Right In: 411.449+/-0.117 χ^2/NDF: 1061446.5/16

Left Out: 558.373+/-0.096 χ^2/NDF:968289.3/24

Right Out: 402.649+/-0.107 χ^2/NDF: 1254606.9/20

Left In: 542.872+/-0.098 χ^2/NDF:1416690.9/22

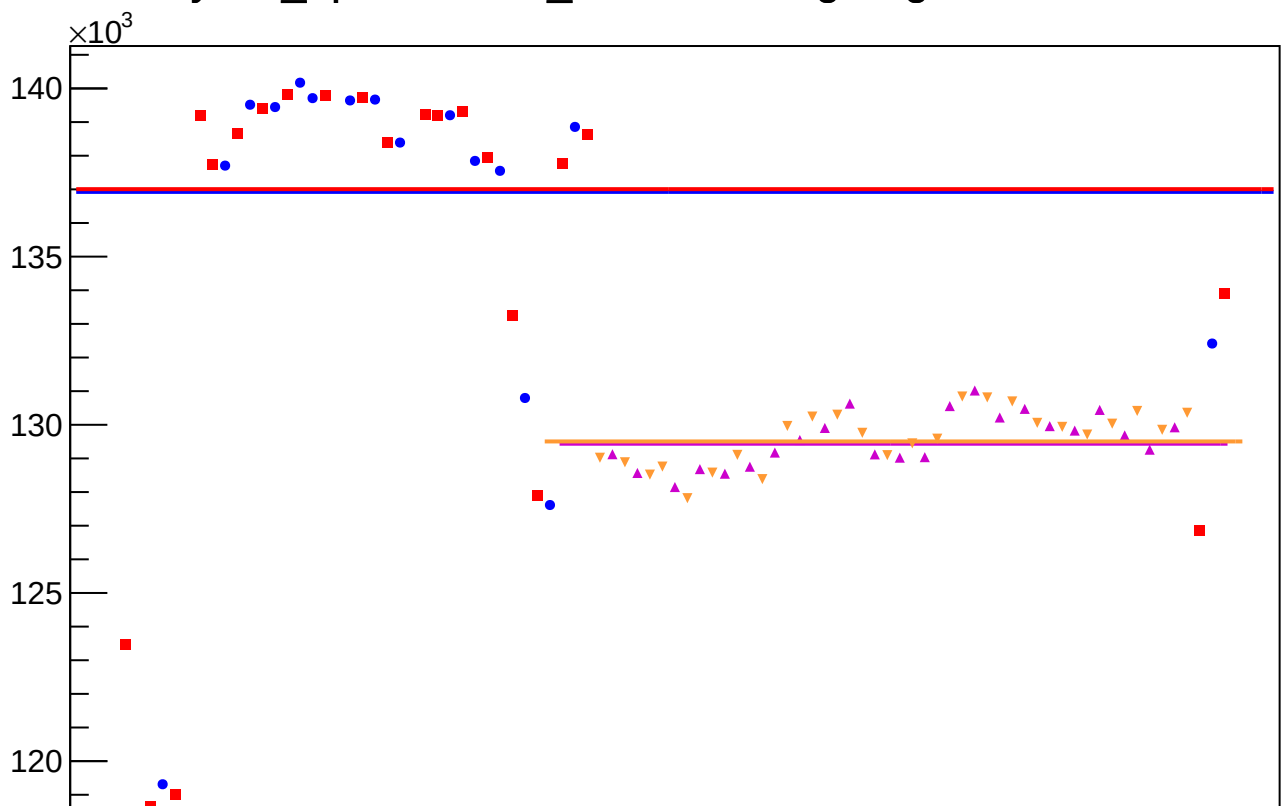
Left: 550.793+/-0.069 χ^2/NDF: 2397764.2/47

Right: 406.663+/-0.079 χ^2/NDF: 2319139.4/37

In: 488.581+/-0.075 χ^2/NDF:3220984.4/39

Out: 489.021+/-0.071 χ^2/NDF:3398012.7/45

All: 488.812+/-0.052 χ^2/NDF: 6619015.1/85



Right In: 136924.765+/-0.069 χ^2/NDF: 5845374405.0/16

Left Out: 129504.922+/-0.047 χ^2/NDF:299464438.2/24

Right Out: 137005.896+/-0.064 χ^2/NDF: 6271659570.6/20

Left In: 129437.551+/-0.048 χ^2/NDF:269025464.3/22

Left: 129472.248+/-0.034 χ^2/NDF: 569486507.5/47

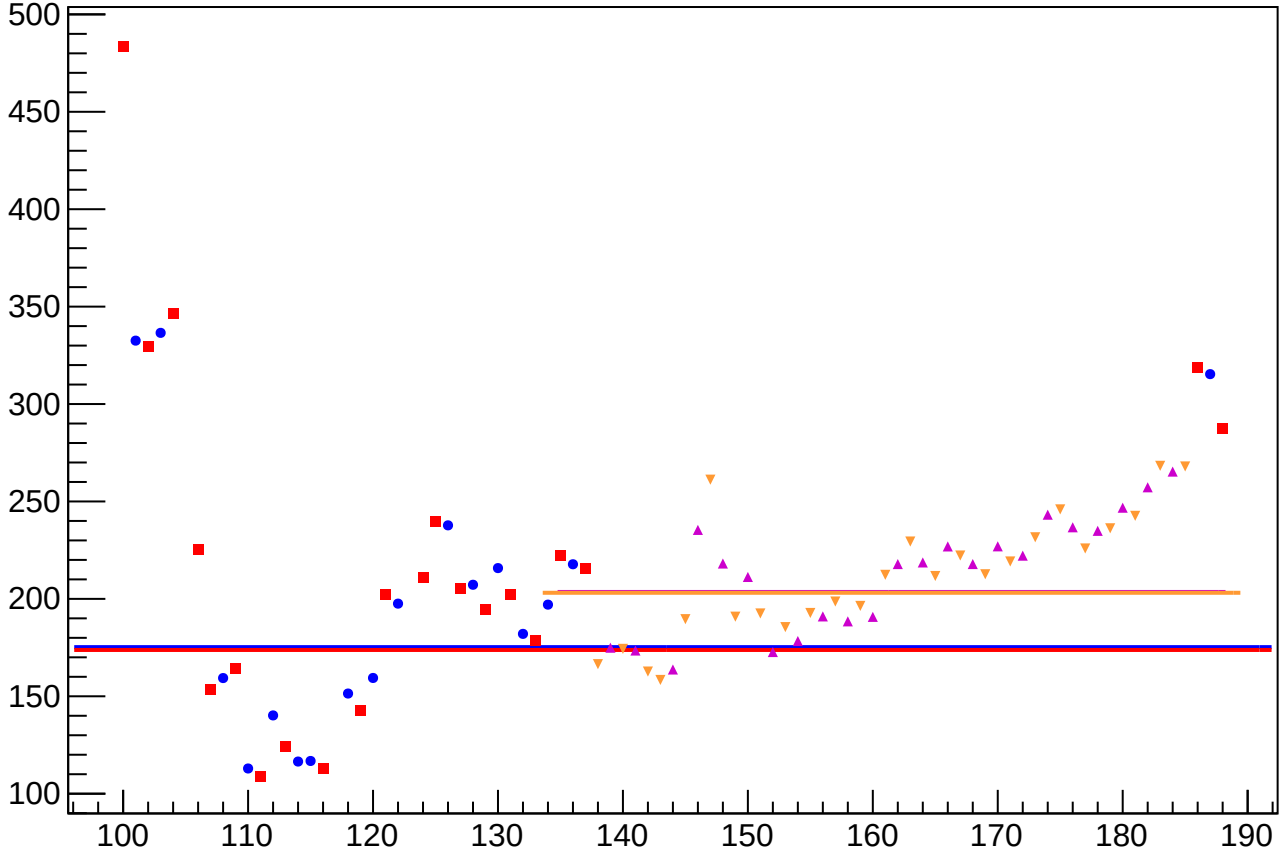
Right: 136968.890+/-0.047 χ^2/NDF: 12117776871.2

In: 131888.761+/-0.040 χ^2/NDF:13938867555.4/3

Out: 132155.711+/-0.038 χ^2/NDF:15573205437.1

All: 132028.872+/-0.027 χ^2/NDF: 29535780

yield_bpm0l04WS_rms vs Slug, Sign Corrected



Right In: 175.231+/-0.049 χ^2/NDF: 1261139.5/16

Left Out: 203.129+/-0.033 χ^2/NDF:758448.5/24

Right Out: 173.775+/-0.045 χ^2/NDF: 1920016.5/20

Left In: 203.546+/-0.034 χ^2/NDF:666043.6/22

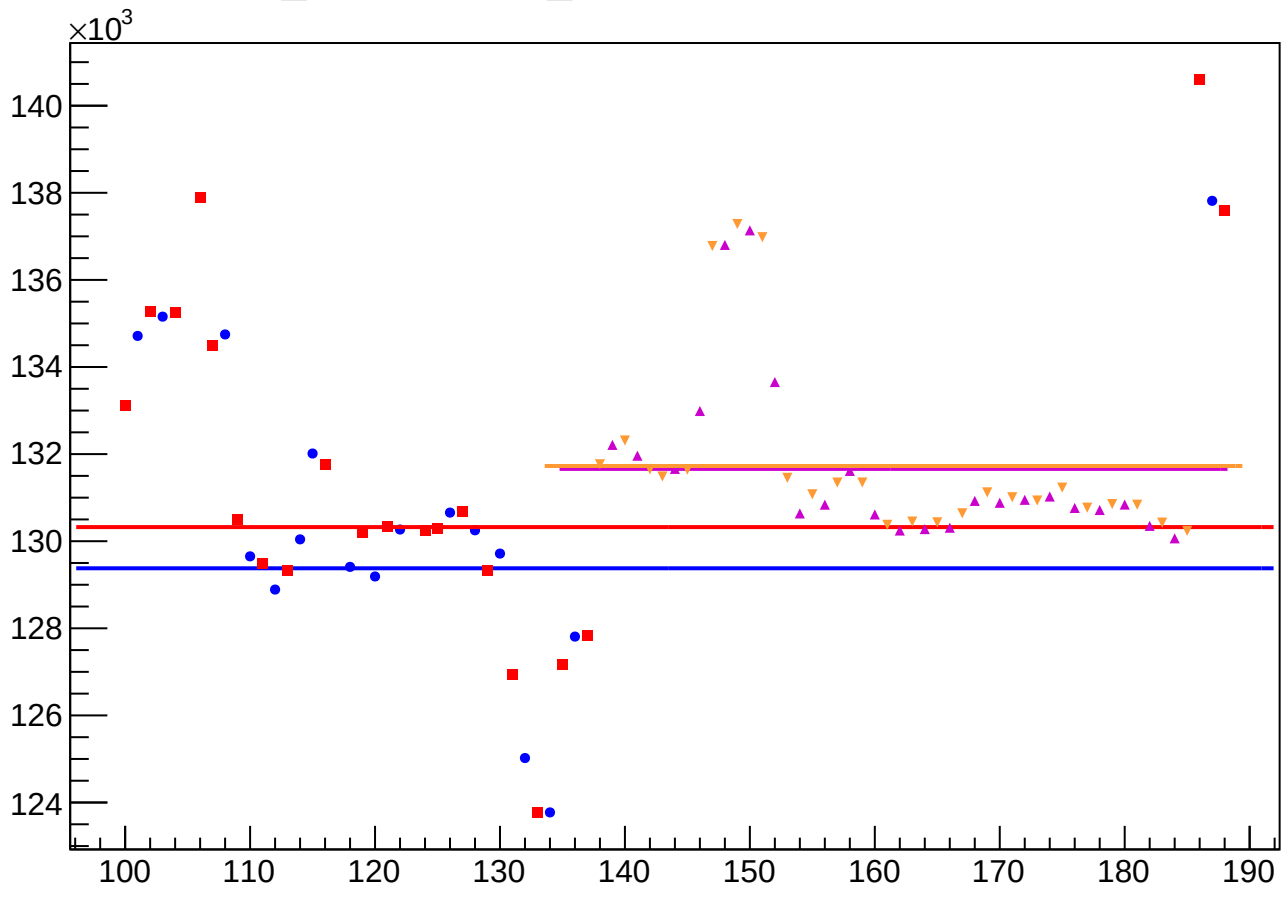
Left: 203.331+/-0.024 χ^2/NDF: 1424568.7/47

Right: 174.439+/-0.033 χ^2/NDF: 3181634.8/37

In: 194.276+/-0.028 χ^2/NDF:2151000.9/39

Out: 192.755+/-0.027 χ^2/NDF:2954193.9/45

All: 193.478+/-0.019 χ^2/NDF: 5106734.0/85



Right In: 129378.161+/-0.066 χ^2/NDF: 1794478513.7/16

Left Out: 131727.086+/-0.047 χ^2/NDF:1425045697.6/24

Right Out: 130324.173+/-0.059 χ^2/NDF: 3210815811.6/20

Left In: 131660.490+/-0.048 χ^2/NDF:1164380319.7/22

Left: 131694.721+/-0.034 χ^2/NDF: 2590408205.6/4

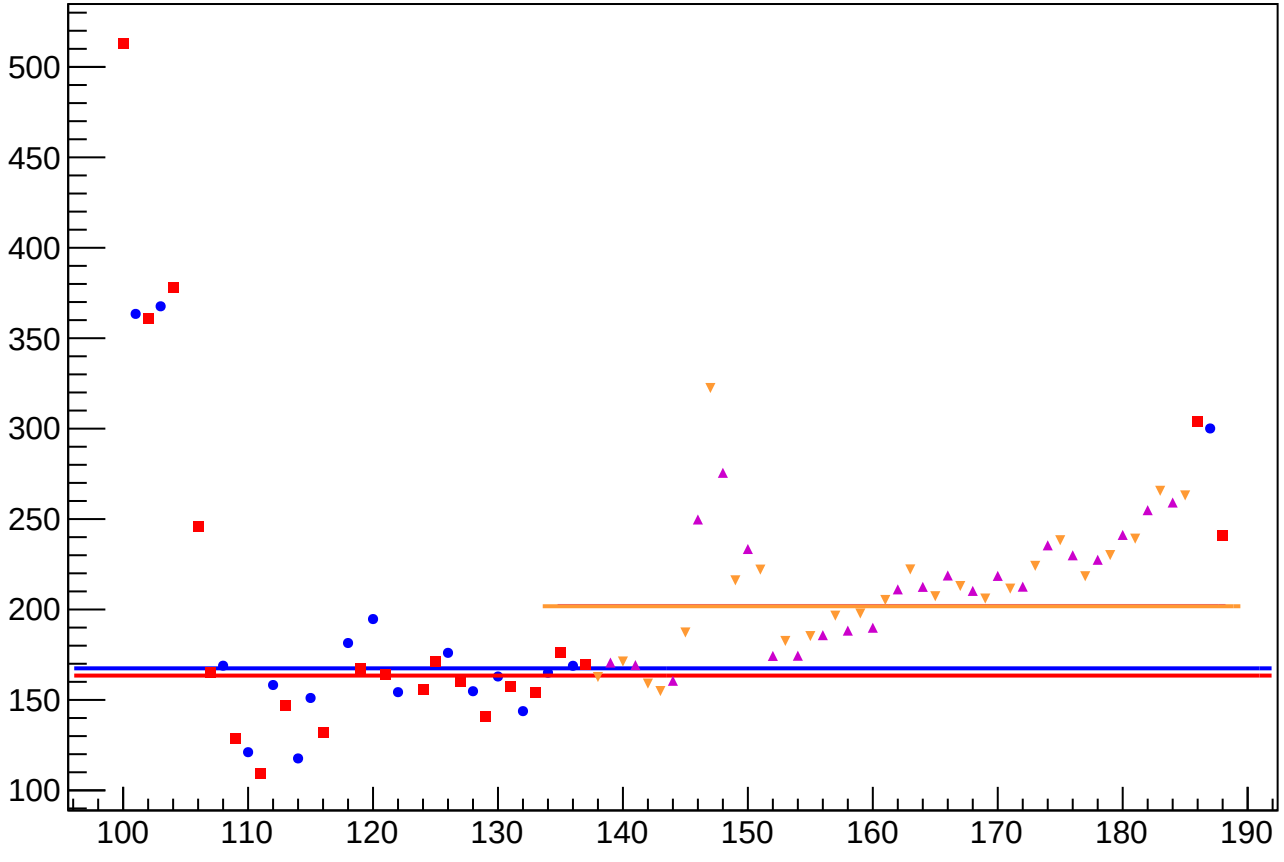
Right: 129901.290+/-0.044 χ^2/NDF: 5119209681.3/

In: 130865.746+/-0.039 χ^2/NDF:3740373074.7/39

Out: 131187.567+/-0.037 χ^2/NDF:4980771030.2/4

All: 131035.773+/-0.027 χ^2/NDF: 87573150

yield_bpm0l05WS_rms vs Slug, Sign Corrected



Right In: 167.470+/-0.047 χ^2/NDF: 1009229.0/16

Left Out: 201.798+/-0.033 χ^2/NDF:905352.1/24

Right Out: 163.464+/-0.042 χ^2/NDF: 1569559.3/20

Left In: 201.947+/-0.034 χ^2/NDF:802700.2/22

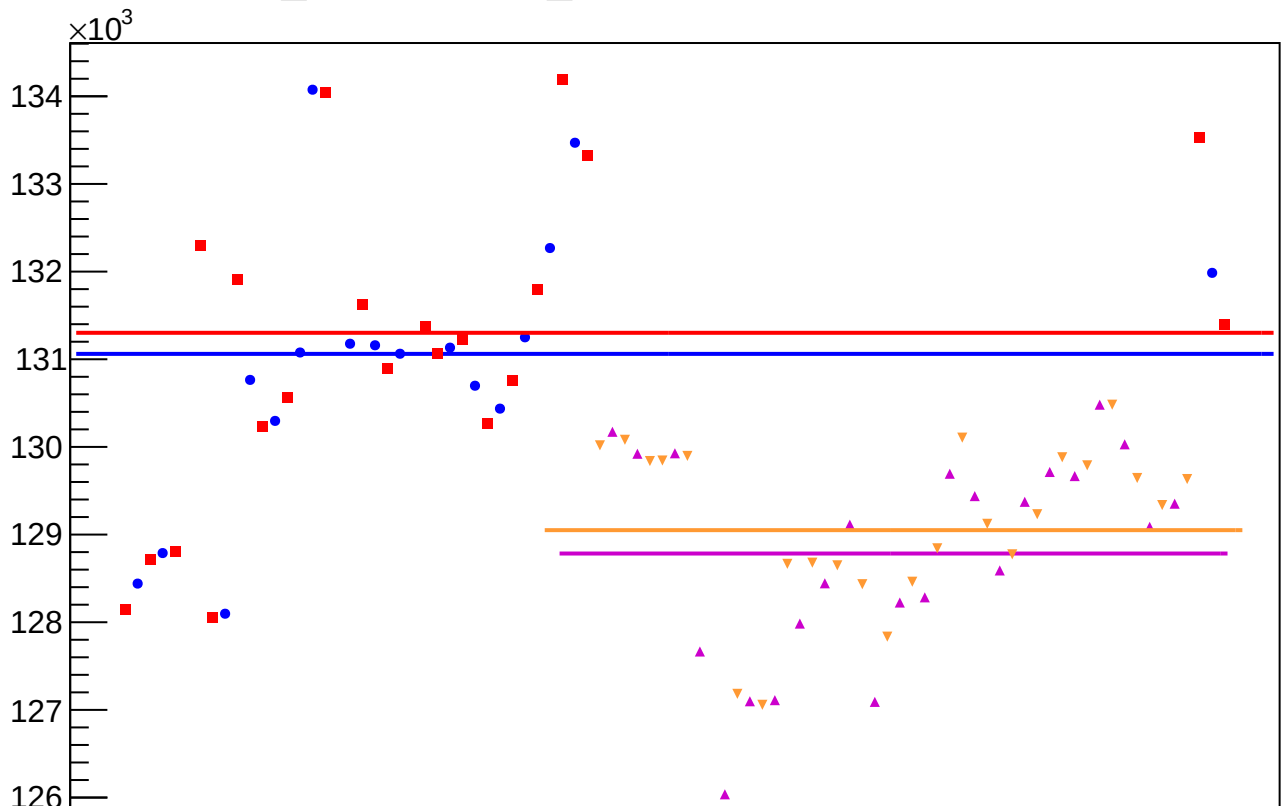
Left: 201.870+/-0.024 χ^2/NDF: 1708062.2/47

Right: 165.255+/-0.031 χ^2/NDF: 2582872.5/37

In: 189.941+/-0.028 χ^2/NDF:2168604.0/39

Out: 187.056+/-0.026 χ^2/NDF:2989941.6/45

All: 188.417+/-0.019 χ^2/NDF: 5164360.9/85



Right In: 131061.356+/-0.060 χ^2/NDF: 525980528.5/16

Left Out: 129050.458+/-0.045 χ^2/NDF:530879250.1/24

Right Out: 131301.857+/-0.055 χ^2/NDF: 628537252.1/20

Left In: 128783.852+/-0.047 χ^2/NDF:655675405.6/22

Left: 128921.210+/-0.033 χ^2/NDF: 1203205446.5/4

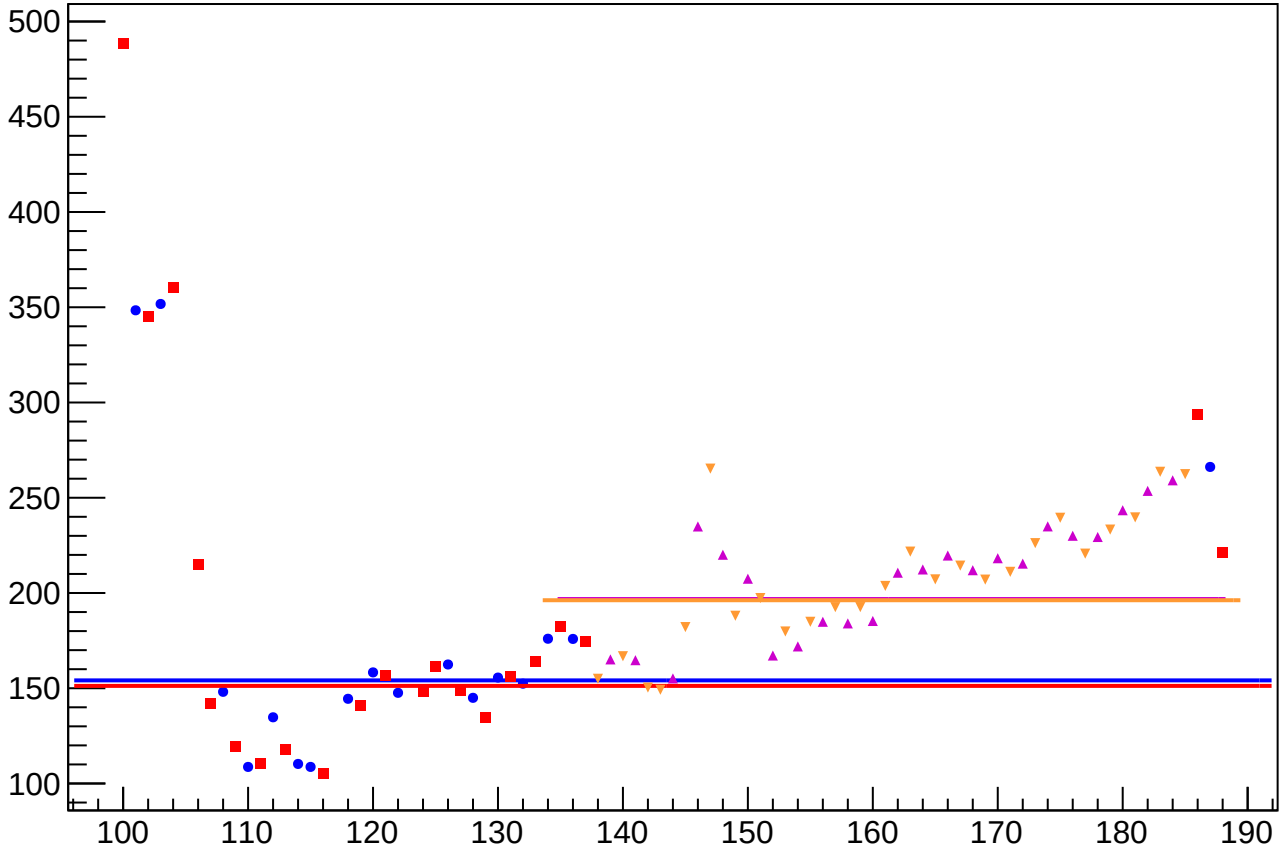
Right: 131193.608+/-0.040 χ^2/NDF: 1163251015.2/

In: 129641.348+/-0.037 χ^2/NDF:2069636988.1/39

Out: 129972.979+/-0.035 χ^2/NDF:2163043078.9/4

All: 129816.742+/-0.025 χ^2/NDF: 42750981

yield_bpm0l06WS_rms vs Slug, Sign Corrected



Right In: 154.126+/-0.043 χ^2/NDF: 1126112.4/16

Left Out: 196.203+/-0.032 χ^2/NDF:922826.1/24

Right Out: 151.239+/-0.039 χ^2/NDF: 1672248.8/20

Left In: 196.840+/-0.033 χ^2/NDF:773052.6/22

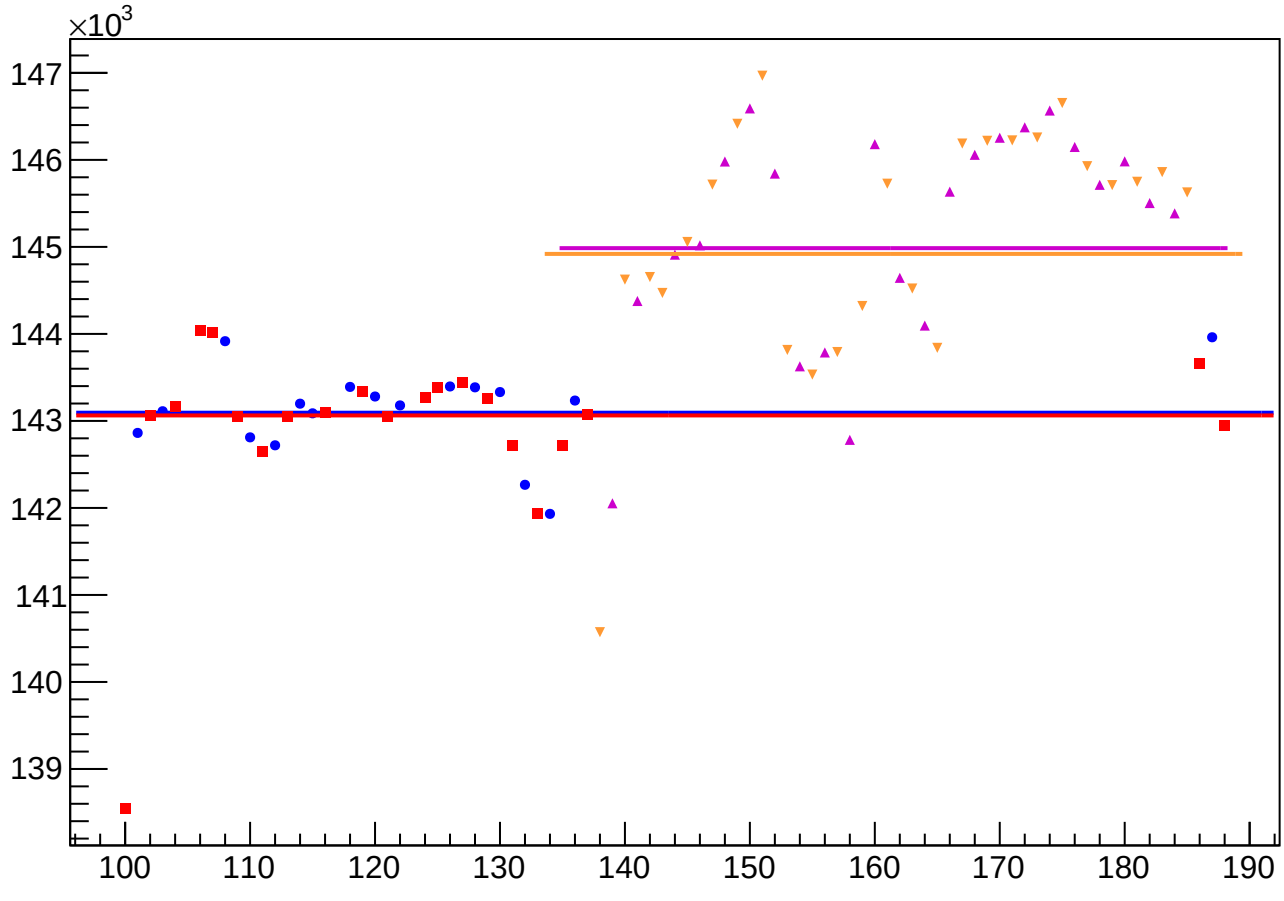
Left: 196.512+/-0.023 χ^2/NDF: 1696068.8/47

Right: 152.538+/-0.029 χ^2/NDF: 2800876.9/37

In: 180.758+/-0.026 χ^2/NDF:2523854.0/39

Out: 177.779+/-0.025 χ^2/NDF:3395682.4/45

All: 179.182+/-0.018 χ^2/NDF: 5926381.4/85


yield_bpm0l07WS_mean vs Slug, Sign Corrected
×10^3
147
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170
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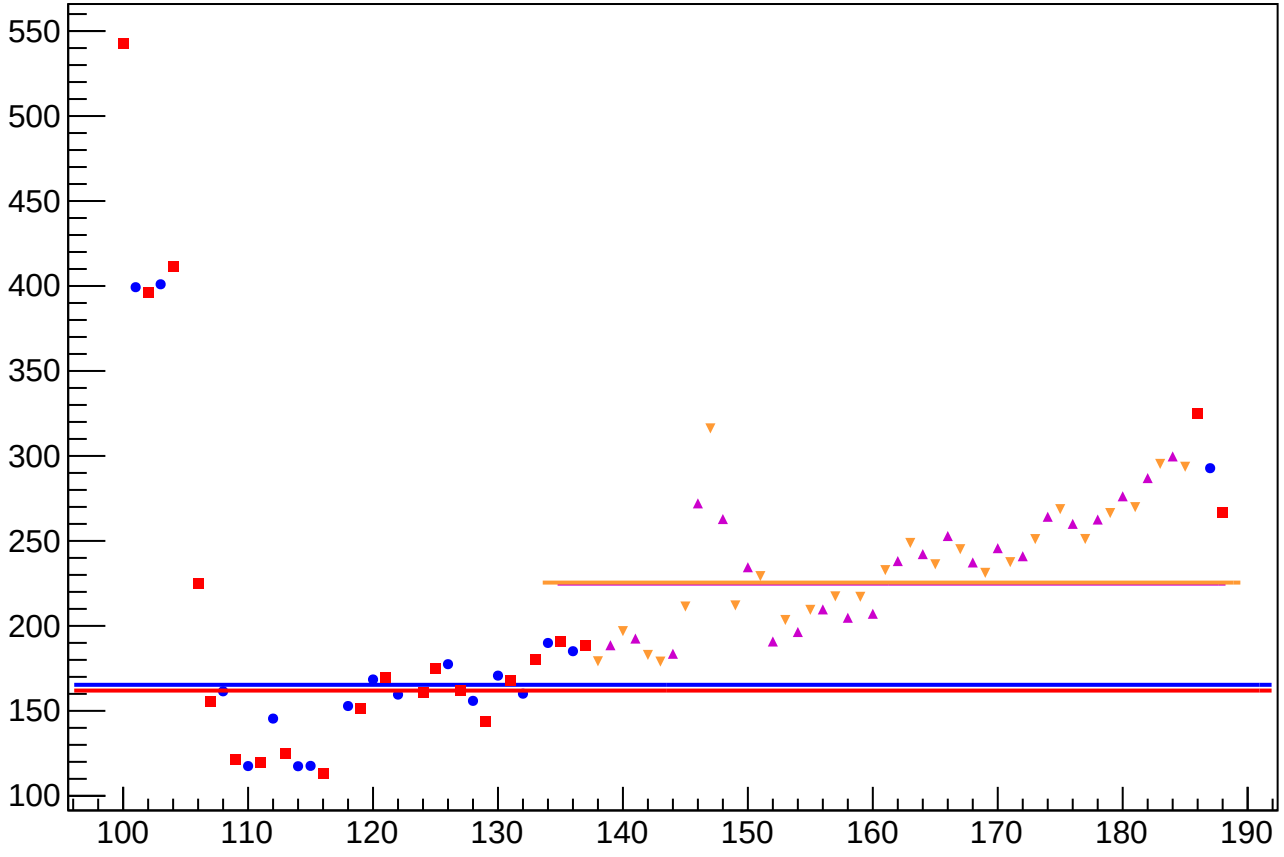
190
Right In: 143094.387+/-0.065 χ²/NDF: 48359904.7/16
Left Out: 144919.479+/-0.052 χ²/NDF:835478710.7/24
Right Out: 143063.125+/-0.059 χ²/NDF: 53274850.6/20
Left In: 144985.586+/-0.054 χ²/NDF:618782558.7/22
Left: 144951.693+/-0.037 χ²/NDF: 1455041879.5/4
Right: 143077.256+/-0.044 χ²/NDF: 101762340.8/3
In: 144217.565+/-0.041 χ²/NDF:1173189817.8/39
Out: 144101.418+/-0.039 χ²/NDF:1445423784.9/4
All: 144156.277+/-0.028 χ²/NDF: 26227895

yield_bpm0l07WS_rms vs Slug, Sign Corrected



Right In: 165.330+/-0.046 χ^2/NDF: 1200399.4/16

Left Out: 225.478+/-0.037 χ^2/NDF:775365.4/24

Right Out: 161.941+/-0.042 χ^2/NDF: 1890168.1/20

Left In: 224.869+/-0.038 χ^2/NDF:723816.1/22

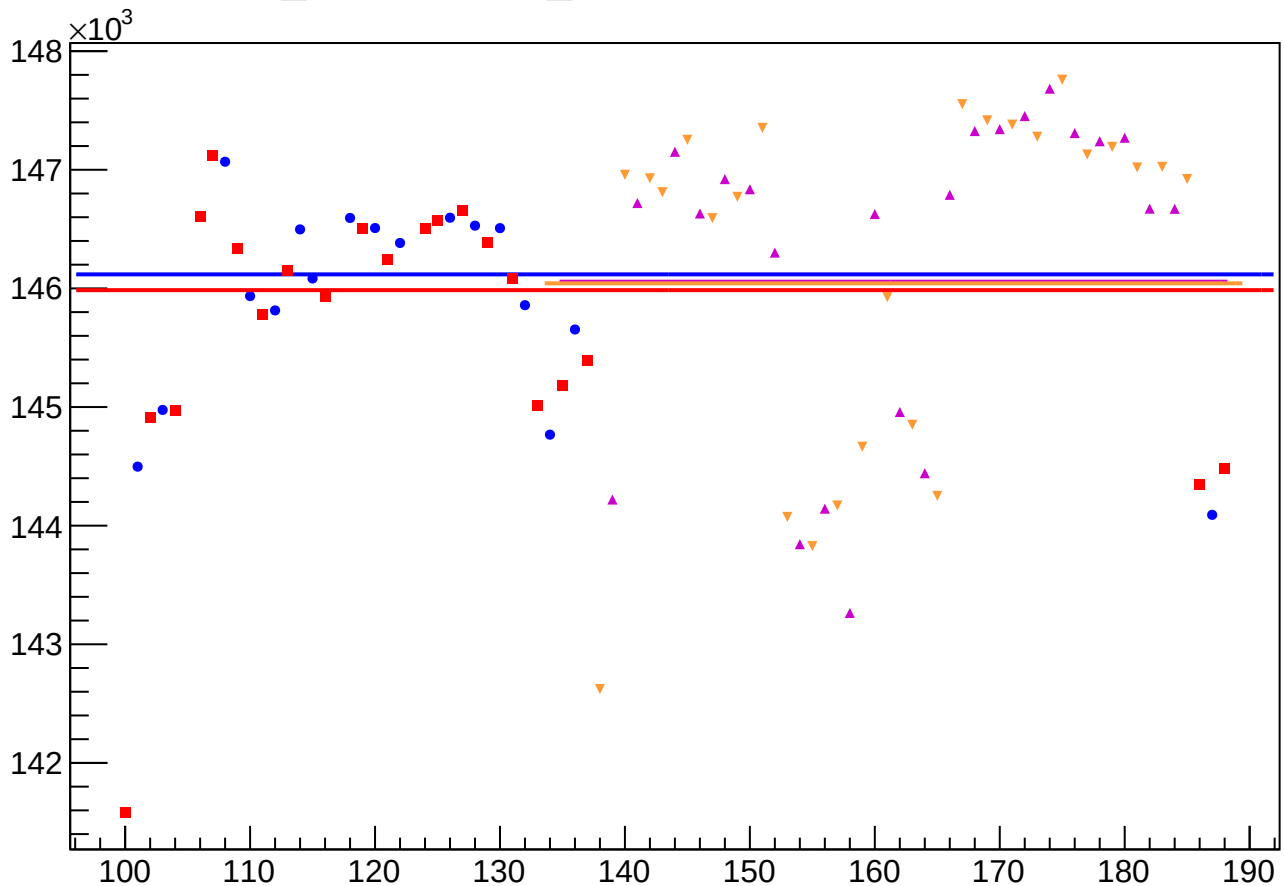
Left: 225.181+/-0.026 χ^2/NDF: 1499314.5/47

Right: 163.473+/-0.031 χ^2/NDF: 3093566.1/37

In: 200.690+/-0.029 χ^2/NDF:2927325.9/39

Out: 197.478+/-0.028 χ^2/NDF:3969809.9/45

All: 198.995+/-0.020 χ^2/NDF: 6903519.8/85



Right In: 146118.302+/-0.067 χ^2/NDF: 81163554.3/16

Left Out: 146042.636+/-0.052 χ^2/NDF:882705044.1/24

Right Out: 145985.333+/-0.060 χ^2/NDF: 128078199.7/20

Left In: 146056.687+/-0.054 χ^2/NDF:698743124.4/22

Left: 146049.455+/-0.037 χ^2/NDF: 1581483589.3/4

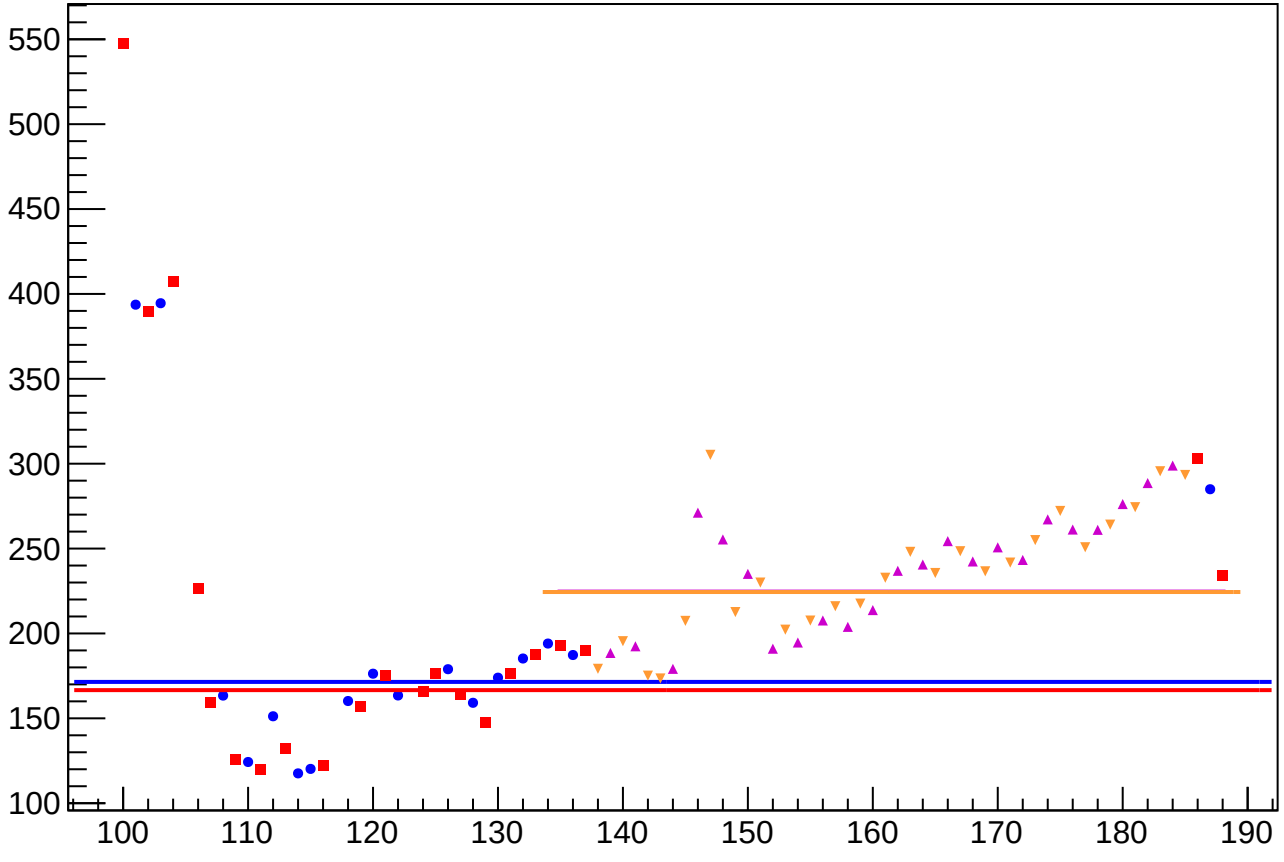
Right: 146044.466+/-0.045 χ^2/NDF: 211425826.4/3

In: 146080.691+/-0.042 χ^2/NDF:780422212.6/39

Out: 146018.052+/-0.039 χ^2/NDF:1011304028.4/4

All: 146047.407+/-0.029 χ^2/NDF: 17929167

yield_bpm0l08WS_rms vs Slug, Sign Corrected



Right In: 171.451+/-0.047 χ^2/NDF: 1116824.6/16

Left Out: 224.409+/-0.037 χ^2/NDF:849100.4/24

Right Out: 166.613+/-0.042 χ^2/NDF: 1637898.4/20

Left In: 224.655+/-0.038 χ^2/NDF:756996.8/22

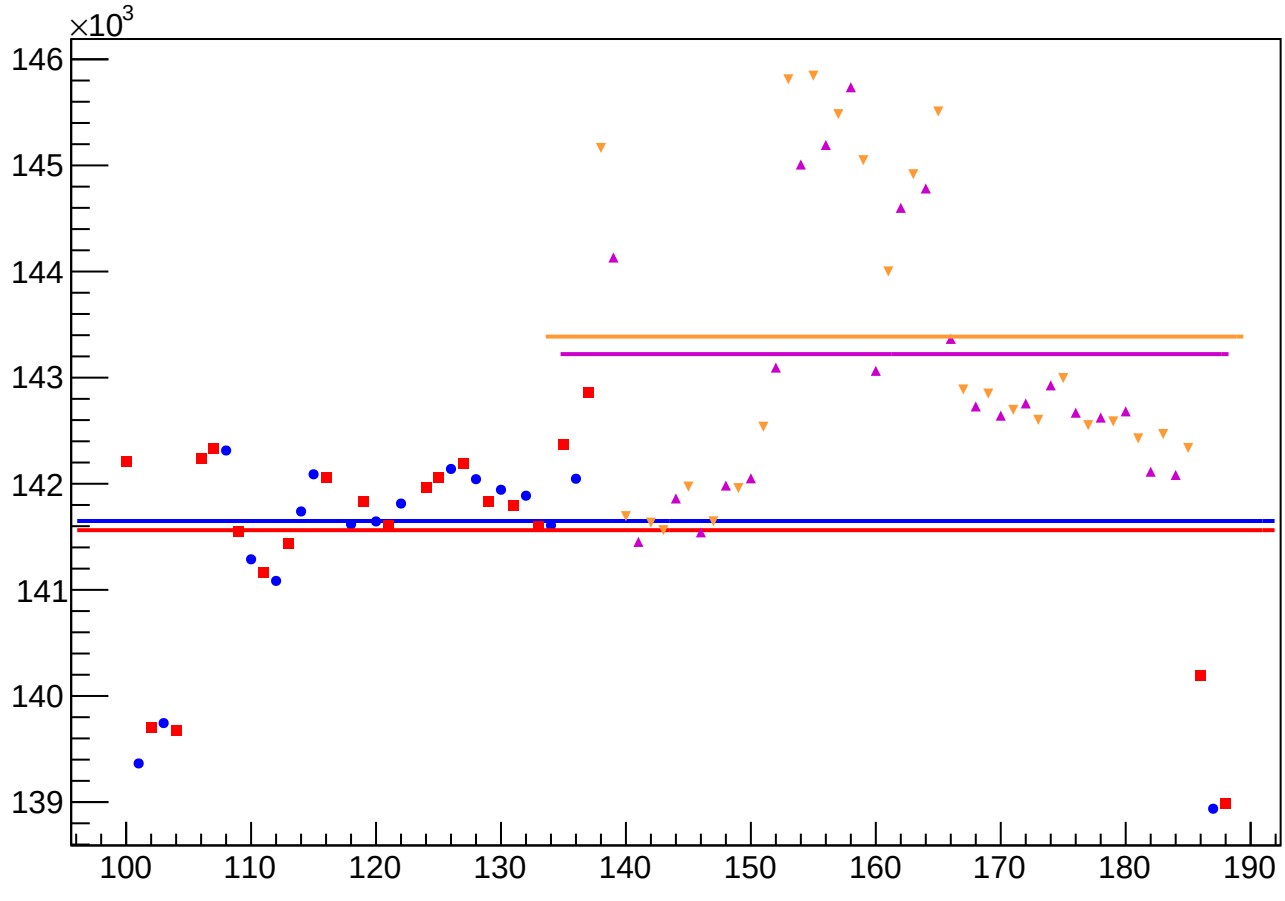
Left: 224.528+/-0.026 χ^2/NDF: 1606118.8/47

Right: 168.764+/-0.032 χ^2/NDF: 2760506.2/37

In: 203.928+/-0.030 χ^2/NDF:2642589.3/39

Out: 199.613+/-0.028 χ^2/NDF:3546599.9/45

All: 201.635+/-0.020 χ^2/NDF: 6200484.9/85



Right In: 141648.928+/-0.068 χ^2/NDF: 83677151.0/16

Left Out: 143386.915+/-0.054 χ^2/NDF:784001363.1/24

Right Out: 141562.492+/-0.062 χ^2/NDF: 152806400.1/20

Left In: 143221.802+/-0.055 χ^2/NDF:540234973.1/22

Left: 143306.102+/-0.038 χ^2/NDF: 1328866261.9/4

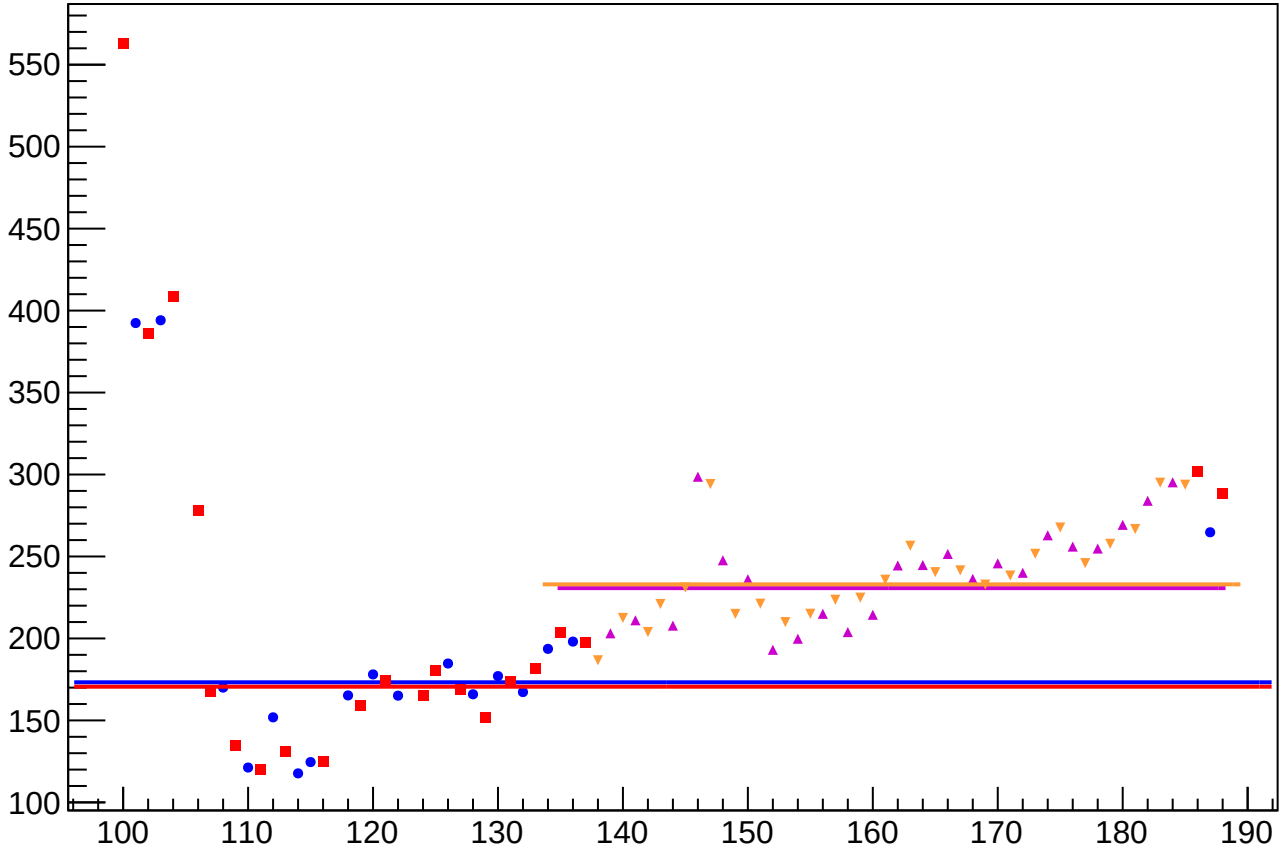
Right: 141601.721+/-0.046 χ^2/NDF: 237369649.4/3

In: 142600.540+/-0.043 χ^2/NDF:948952489.8/39

Out: 142603.157+/-0.041 χ^2/NDF:1432963806.0/4

All: 142601.915+/-0.029 χ^2/NDF: 23819182

yield_bpm0l09WS_rms vs Slug, Sign Corrected



Right In: 173.250+/-0.048 χ^2/NDF: 1112750.2/16

Left Out: 233.007+/-0.038 χ^2/NDF:446120.9/24

Right Out: 170.572+/-0.044 χ^2/NDF: 1798406.6/20

Left In: 230.693+/-0.039 χ^2/NDF:512017.9/22

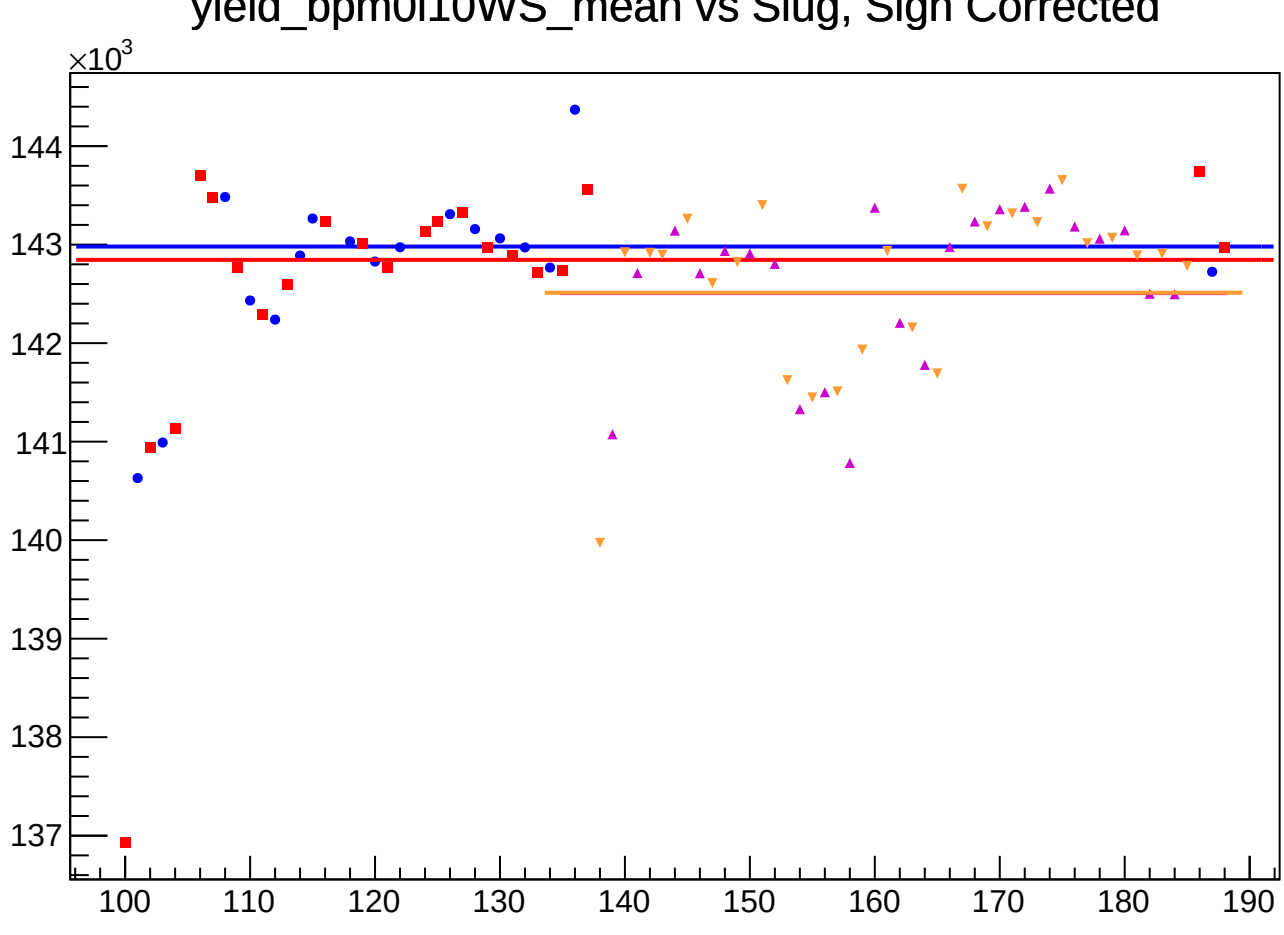
Left: 231.874+/-0.027 χ^2/NDF: 959957.6/47

Right: 171.787+/-0.032 χ^2/NDF: 2912858.2/37

In: 208.004+/-0.030 χ^2/NDF:2491835.0/39

Out: 206.185+/-0.029 χ^2/NDF:3406657.9/45

All: 207.049+/-0.021 χ^2/NDF: 5900403.0/85


yield_bpm0l10WS_mean vs Slug, Sign Corrected
×10^3
144
143
142
141
140
139
138
137
100
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120
130
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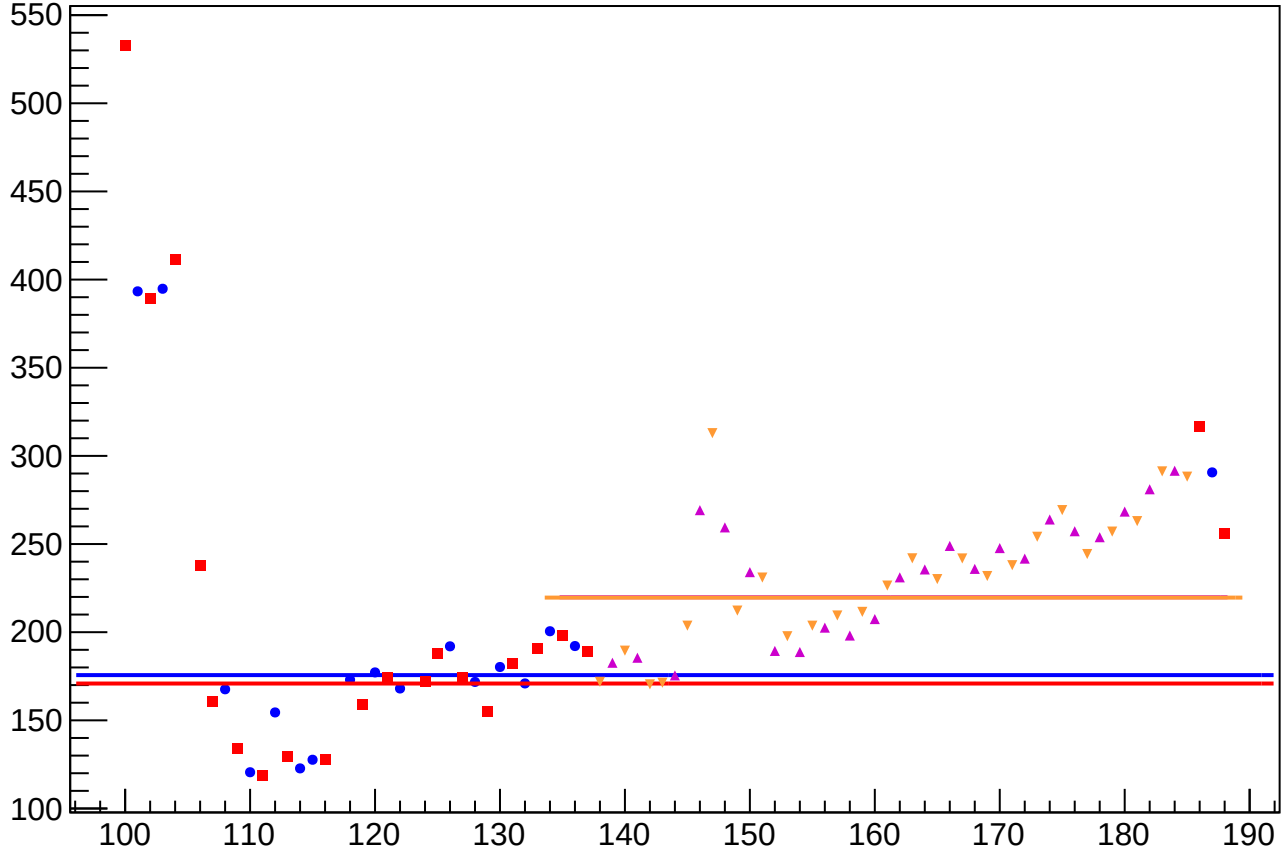
150
160
170
180
190
Right In: 142980.351+/-0.069 χ²/NDF: 107840102.4/16
Left Out: 142511.381+/-0.051 χ²/NDF:338087157.2/24
Right Out: 142845.298+/-0.062 χ²/NDF: 67219685.6/20
Left In: 142507.563+/-0.052 χ²/NDF:269272097.4/22
Left: 142509.527+/-0.037 χ²/NDF: 607361986.5/47
Right: 142905.591+/-0.046 χ²/NDF: 177195597.2/3
In: 142681.280+/-0.042 χ²/NDF:407023252.1/39
Out: 142646.484+/-0.039 χ²/NDF:422719693.3/45
All: 142662.850+/-0.029 χ²/NDF: 830112137

yield_bpm0l10WS_rms vs Slug, Sign Corrected



Right In: 175.659+/-0.049 χ^2/NDF: 1107109.8/16

Left Out: 219.618+/-0.036 χ^2/NDF:902026.4/24

Right Out: 170.880+/-0.044 χ^2/NDF: 1690032.4/20

Left In: 219.813+/-0.037 χ^2/NDF:805501.8/22

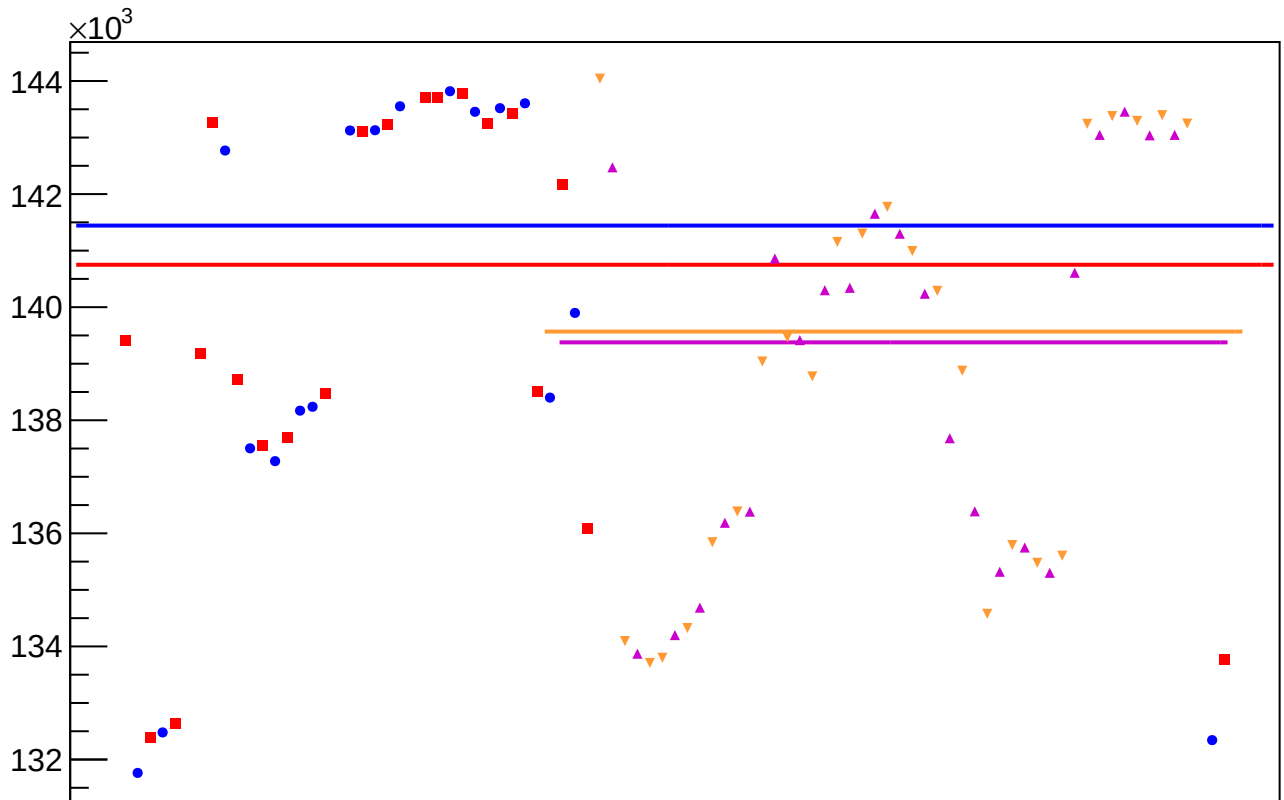
Left: 219.713+/-0.026 χ^2/NDF: 1707542.5/47

Right: 173.013+/-0.032 χ^2/NDF: 2802491.0/37

In: 203.590+/-0.029 χ^2/NDF:2434377.1/39

Out: 199.899+/-0.028 χ^2/NDF:3333982.0/45

All: 201.635+/-0.020 χ^2/NDF: 5776667.8/85



Right In: 141443.139+/-0.100 χ^2/NDF: 1034914503.7/16

Left Out: 139568.750+/-0.070 χ^2/NDF:2586638805.4/24

Right Out: 140750.072+/-0.097 χ^2/NDF: 1446169333.1/20

Left In: 139377.582+/-0.073 χ^2/NDF:1921434868.2/22

Left: 139477.077+/-0.051 χ^2/NDF: 4511647582.8/4

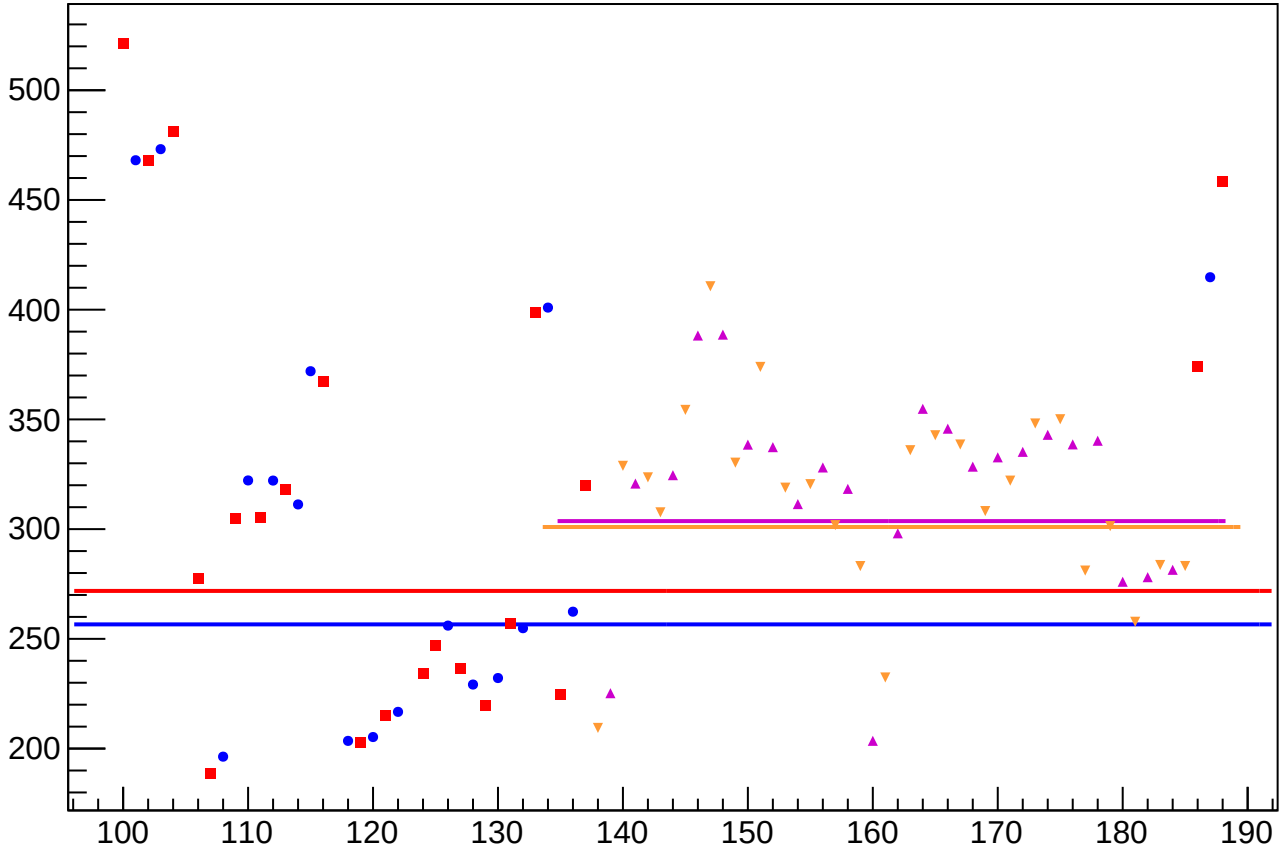
Right: 141086.807+/-0.070 χ^2/NDF: 2505641715.2/

In: 140092.411+/-0.059 χ^2/NDF:3233787325.8/3

Out: 139970.831+/-0.057 χ^2/NDF:4129673099.2/4

All: 140029.397+/-0.041 χ^2/NDF: 736566175

yield_bpm0r03WS_rms vs Slug, Sign Corrected



Right In: 256.594+/-0.071 χ^2/NDF: 1002638.3/16

Left Out: 300.964+/-0.050 χ^2/NDF:876889.9/24

Right Out: 271.840+/-0.069 χ^2/NDF: 1389354.8/20

Left In: 303.658+/-0.052 χ^2/NDF:976252.9/22

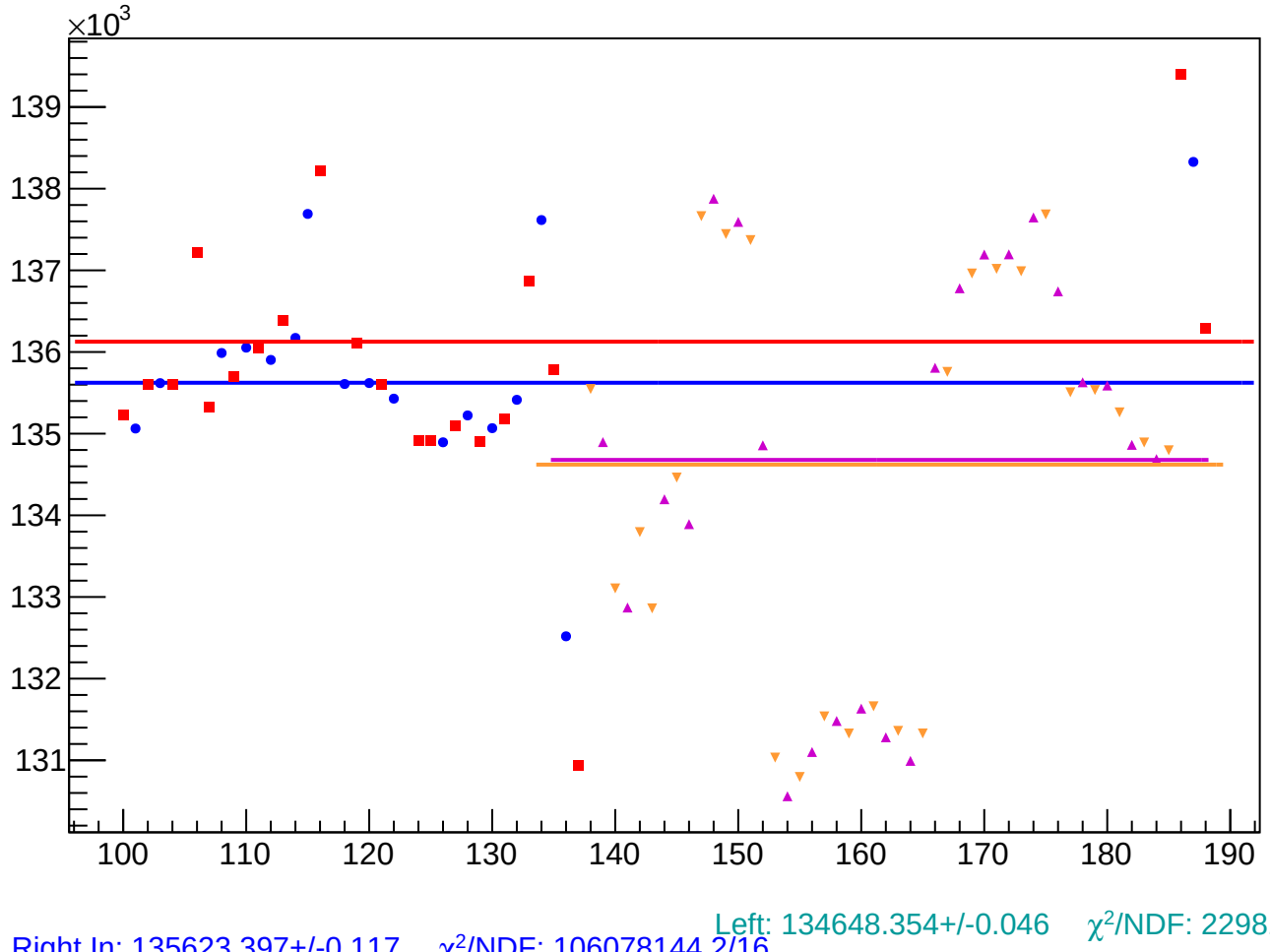
Left: 302.256+/-0.036 χ^2/NDF: 1854562.6/47

Right: 264.432+/-0.049 χ^2/NDF: 2415761.7/37

In: 287.371+/-0.042 χ^2/NDF:2266971.5/39

Out: 291.051+/-0.040 χ^2/NDF:2383995.8/45

All: 289.278+/-0.029 χ^2/NDF: 4655002.2/85



Right In: 135623.397+/-0.117 χ^2/NDF: 106078144.2/16

Left Out: 134620.993+/-0.064 χ^2/NDF:1201492843.7/24

Right Out: 136126.333+/-0.098 χ^2/NDF: 138258454.7/20

Left In: 134678.497+/-0.067 χ^2/NDF:1096295429.9/22

Left: 134648.354+/-0.046 χ^2/NDF: 2298175591.1/4

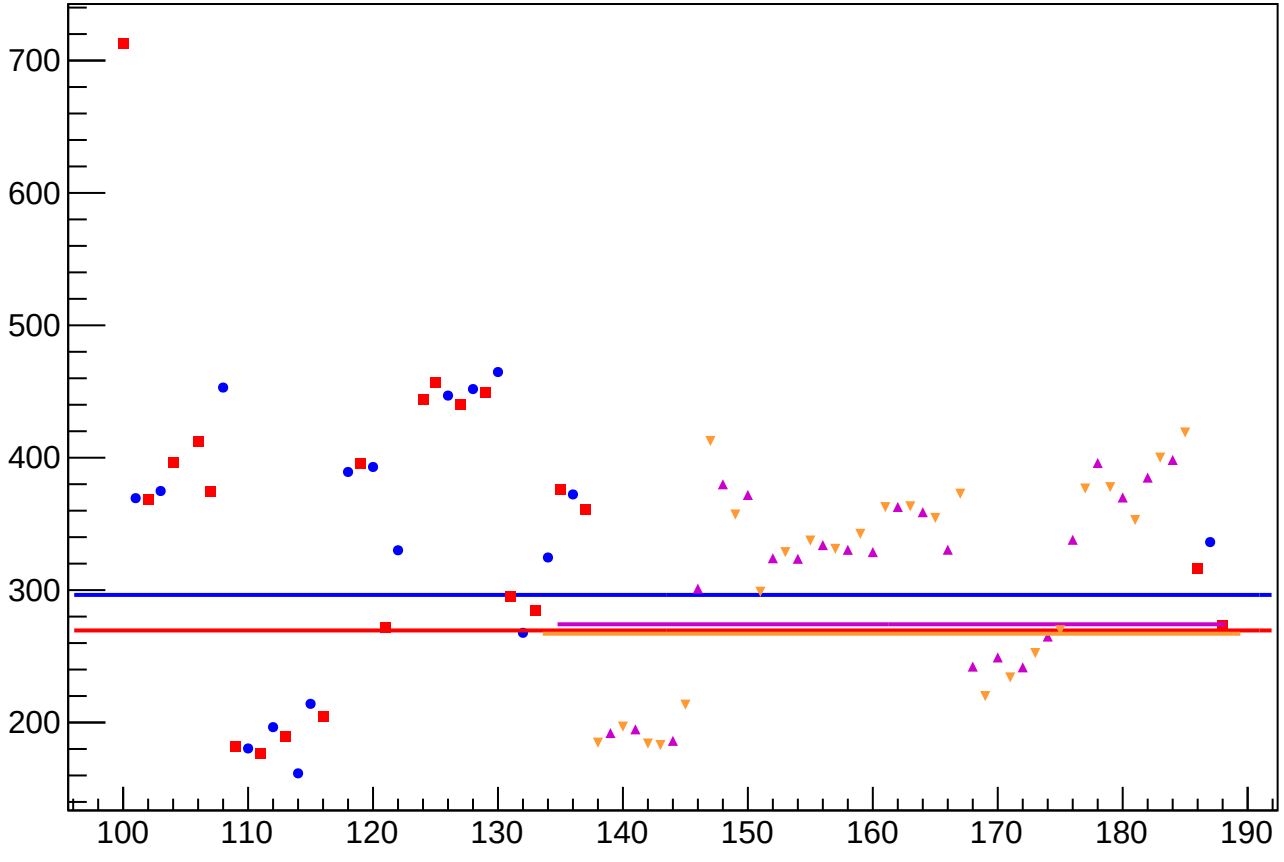
Right: 135920.195+/-0.075 χ^2/NDF: 255230705.1/3

In: 134911.128+/-0.058 χ^2/NDF:1251492305.0/39

Out: 135071.325+/-0.053 χ^2/NDF:1506633465.2/4

All: 134998.005+/-0.039 χ^2/NDF: 27622514

yield_bpm0r05WS_rms vs Slug, Sign Corrected



Right In: 296.372+/-0.083 χ^2/NDF: 1447717.0/16

Left Out: 267.053+/-0.045 χ^2/NDF:2843307.1/24

Right Out: 269.526+/-0.069 χ^2/NDF: 1697335.1/20

Left In: 274.177+/-0.047 χ^2/NDF:2236755.2/22

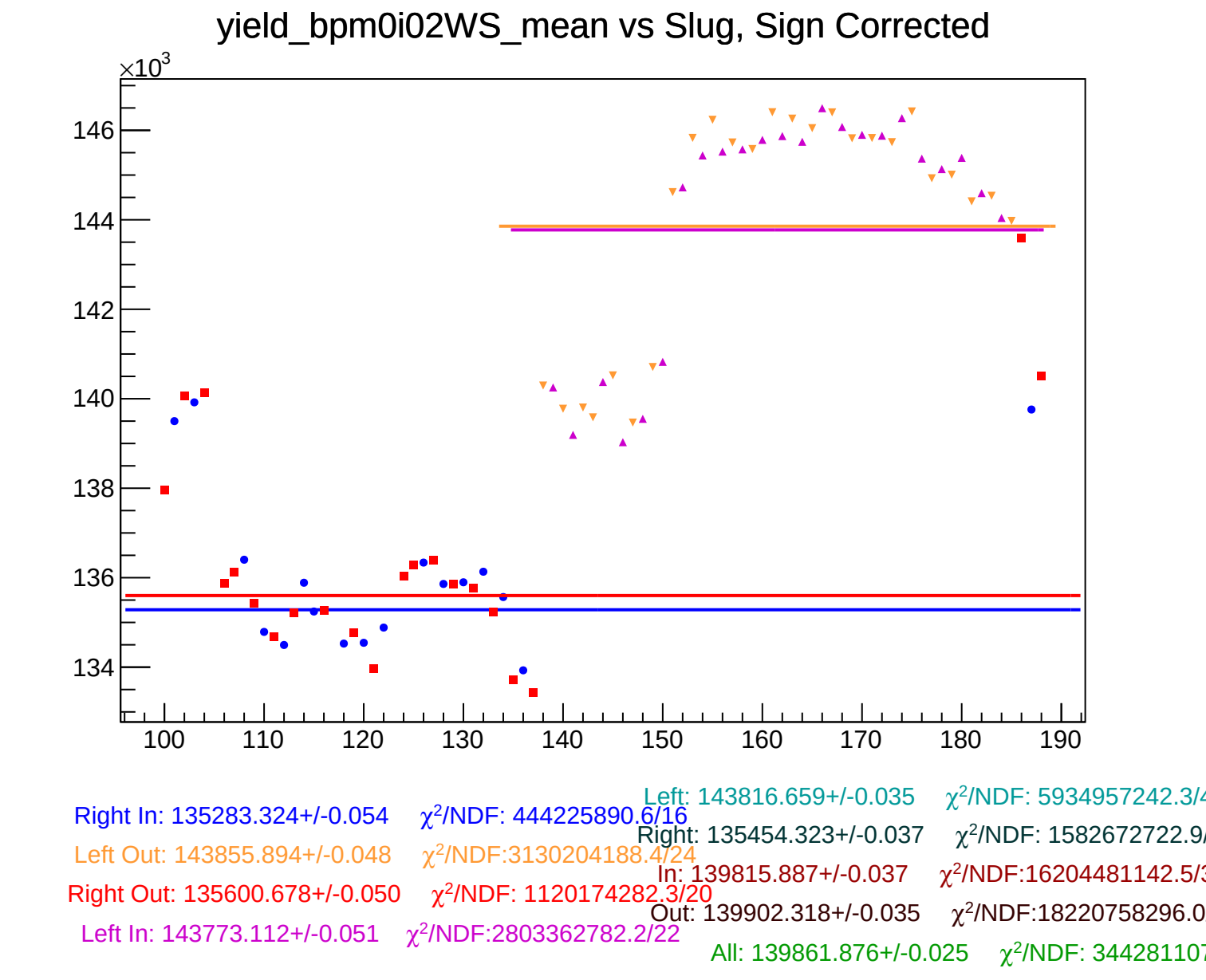
Left: 270.443+/-0.033 χ^2/NDF: 5091950.9/47

Right: 280.529+/-0.053 χ^2/NDF: 3207130.2/37

In: 279.641+/-0.041 χ^2/NDF:3738671.5/39

Out: 267.793+/-0.038 χ^2/NDF:4541542.7/45

All: 273.216+/-0.028 χ^2/NDF: 8325350.6/85


yield_bpm0i02WS_mean vs Slug, Sign Corrected
×10^3
146
144
142
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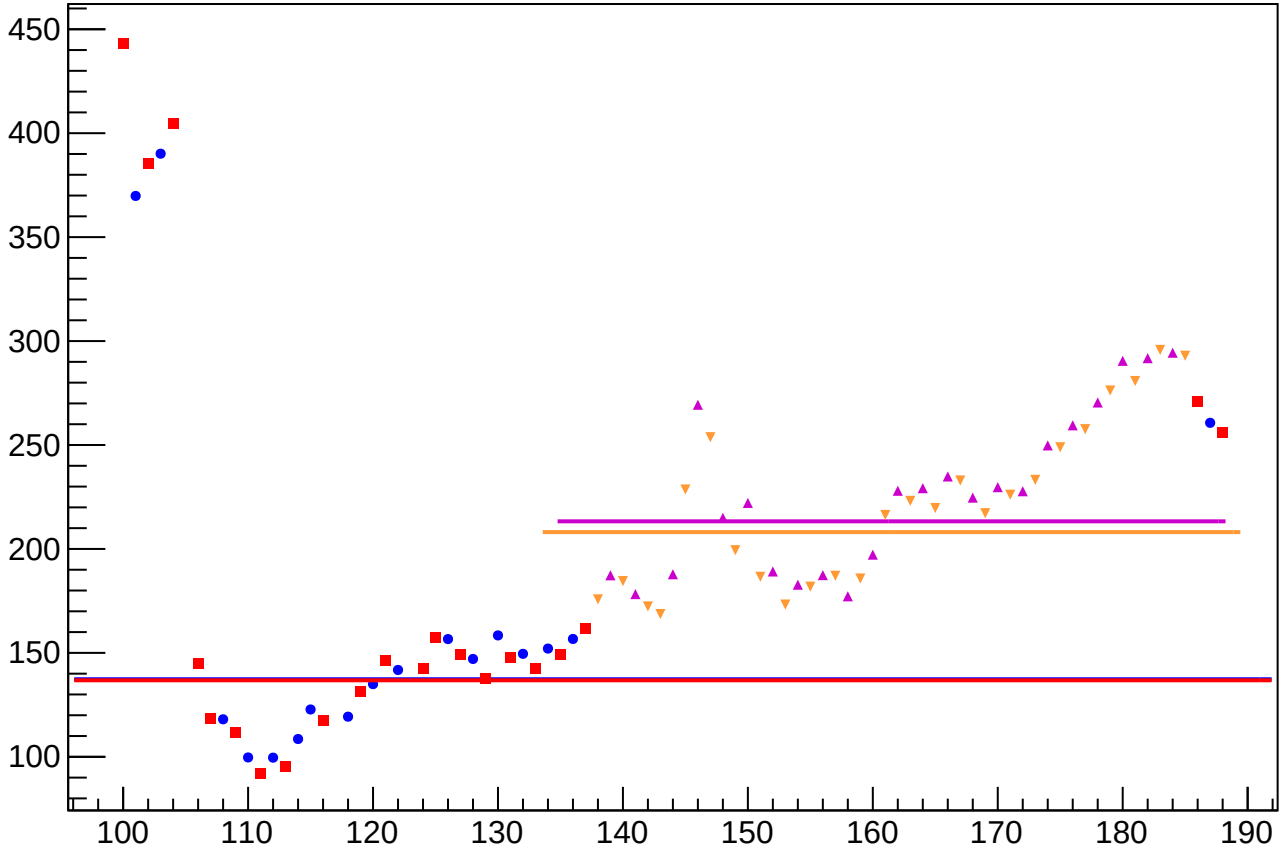
190
Right In: 135283.324+/-0.054 χ²/NDF: 444225890.6/16
Left Out: 143855.894+/-0.048 χ²/NDF:3130204188.4/24
Right Out: 135600.678+/-0.050 χ²/NDF: 1120174282.3/20
Left In: 143773.112+/-0.051 χ²/NDF:2803362782.2/22
Left: 143816.659+/-0.035 χ²/NDF: 5934957242.3/4
Right: 135454.323+/-0.037 χ²/NDF: 1582672722.9/
In: 139815.887+/-0.037 χ²/NDF:16204481142.5/3
Out: 139902.318+/-0.035 χ²/NDF:18220758296.0
All: 139861.876+/-0.025 χ²/NDF: 34428110

yield_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 137.306+/-0.039 χ^2/NDF: 1468912.6/16

Left Out: 208.100+/-0.034 χ^2/NDF:993011.6/24

Right Out: 136.817+/-0.036 χ^2/NDF: 2164427.4/20

Left In: 213.288+/-0.036 χ^2/NDF:865525.4/22

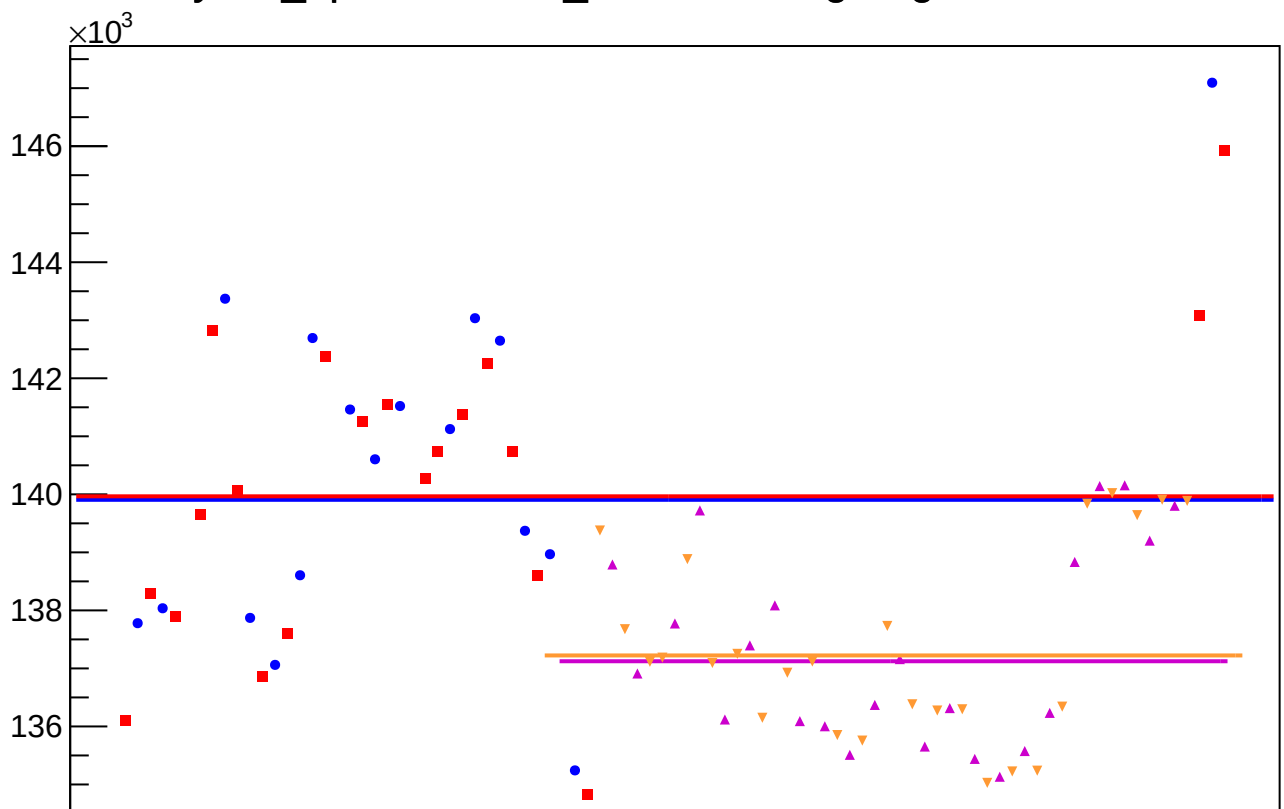
Left: 210.559+/-0.025 χ^2/NDF: 1869455.6/47

Right: 137.042+/-0.026 χ^2/NDF: 3633427.1/37

In: 177.872+/-0.026 χ^2/NDF:4410072.6/39

Out: 173.961+/-0.025 χ^2/NDF:5240788.2/45

All: 175.791+/-0.018 χ^2/NDF: 9662616.0/85



Right In: 139905.897+/-0.062 χ^2/NDF: 1818878425.0/16

Left Out: 137223.651+/-0.049 χ^2/NDF:894565924.0/24

Right Out: 139965.880+/-0.058 χ^2/NDF: 2113115099.7/20

Left In: 137123.557+/-0.051 χ^2/NDF:860635149.0/22

Left: 137175.466+/-0.035 χ^2/NDF: 1757205976.7/4

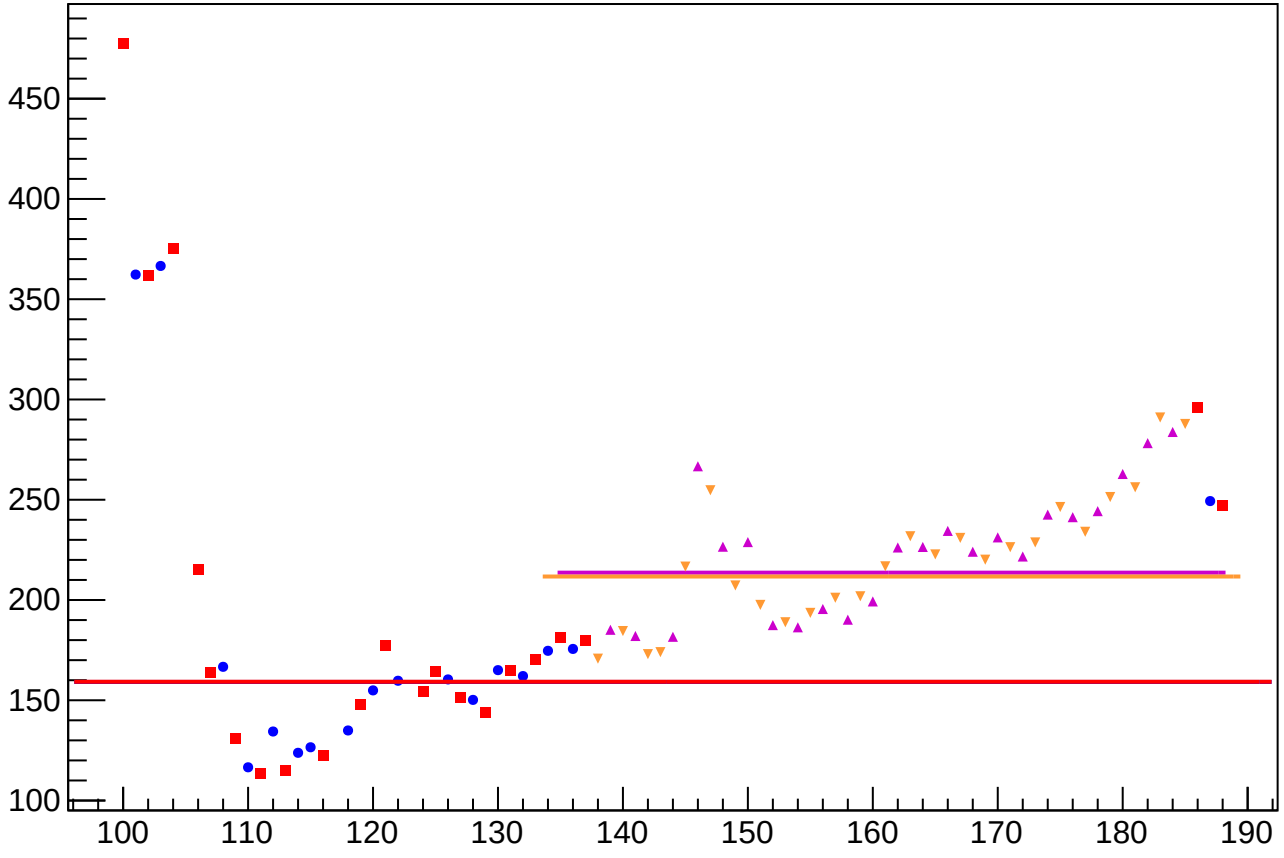
Right: 139938.150+/-0.042 χ^2/NDF: 3932493084.8/

In: 138239.022+/-0.039 χ^2/NDF:3877112736.7/3

Out: 138373.861+/-0.037 χ^2/NDF:4318839192.6/4

All: 138310.007+/-0.027 χ^2/NDF: 82021168

yield_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 159.131+/-0.044 χ^2/NDF: 1066907.7/16

Left Out: 211.714+/-0.035 χ^2/NDF:675587.4/24

Right Out: 159.236+/-0.041 χ^2/NDF: 1669873.9/20

Left In: 213.641+/-0.036 χ^2/NDF:621332.1/22

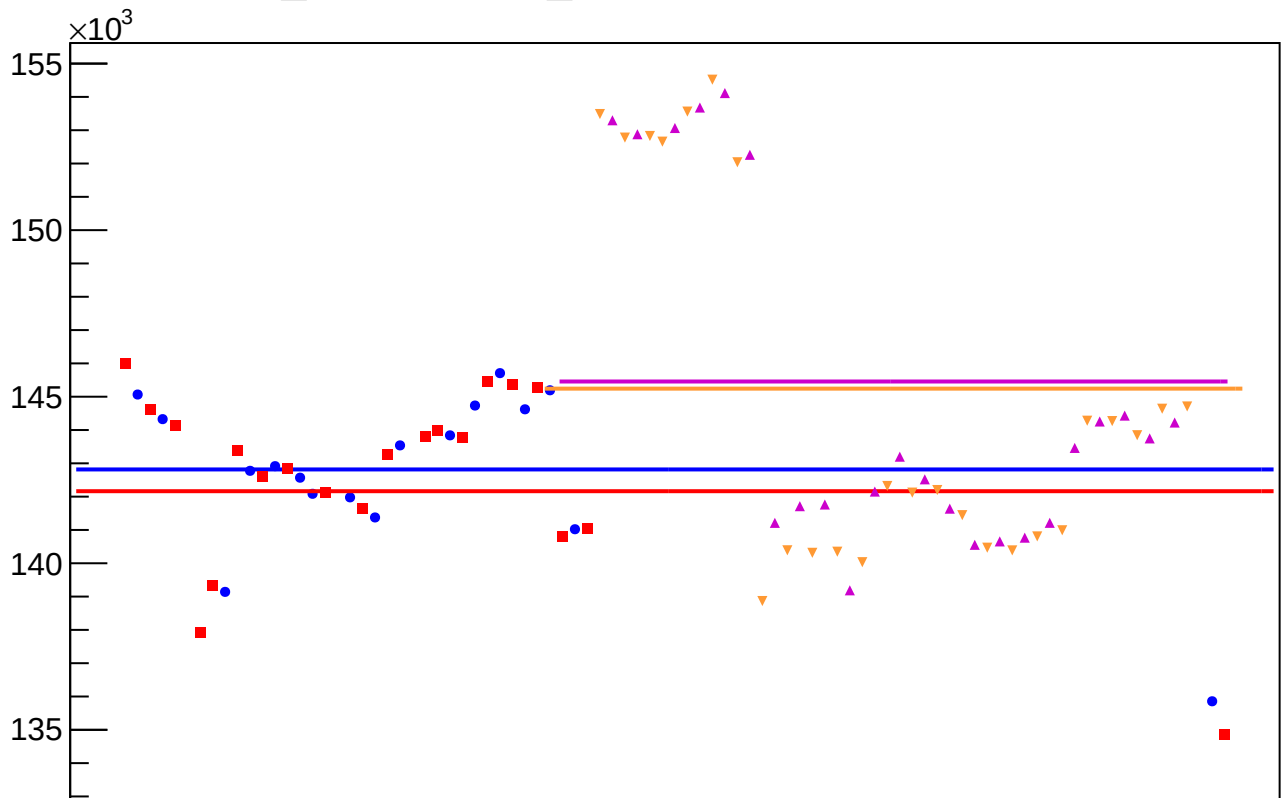
Left: 212.641+/-0.025 χ^2/NDF: 1298405.5/47

Right: 159.187+/-0.030 χ^2/NDF: 2736784.7/37

In: 191.787+/-0.028 χ^2/NDF:2607576.0/39

Out: 189.702+/-0.026 χ^2/NDF:3305826.0/45

All: 190.689+/-0.019 χ^2/NDF: 5916350.0/85



Right In: 142816.518+/-0.065 χ^2/NDF: 882075001.3/16

Left Out: 145242.337+/-0.050 χ^2/NDF:13032998081.1/24

Right Out: 142163.398+/-0.059 χ^2/NDF: 2575851982.3/20

Left In: 145456.704+/-0.052 χ^2/NDF:11073020116.4/22

Left: 145345.374+/-0.036 χ^2/NDF: 24114988758.0

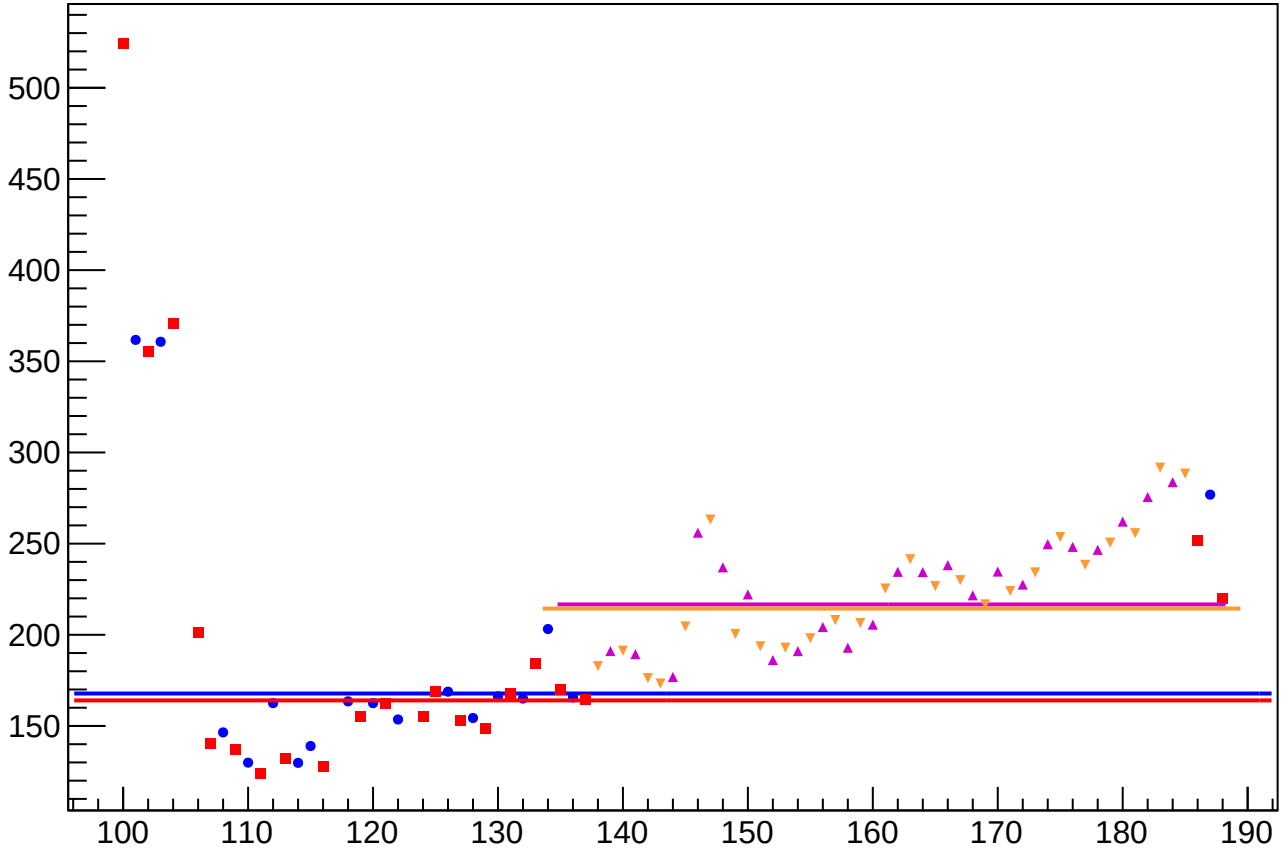
Right: 142455.276+/-0.044 χ^2/NDF: 3513183707.5/

In: 144443.168+/-0.040 χ^2/NDF:12960920877.7/3

Out: 143960.046+/-0.038 χ^2/NDF:17212302098.9

All: 144185.717+/-0.028 χ^2/NDF: 30249105

yield_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 167.798+/-0.046 χ^2/NDF: 921918.1/16

Left Out: 214.391+/-0.035 χ^2/NDF:643384.3/24

Right Out: 164.022+/-0.042 χ^2/NDF: 1261370.5/20

Left In: 216.654+/-0.036 χ^2/NDF:587166.8/22

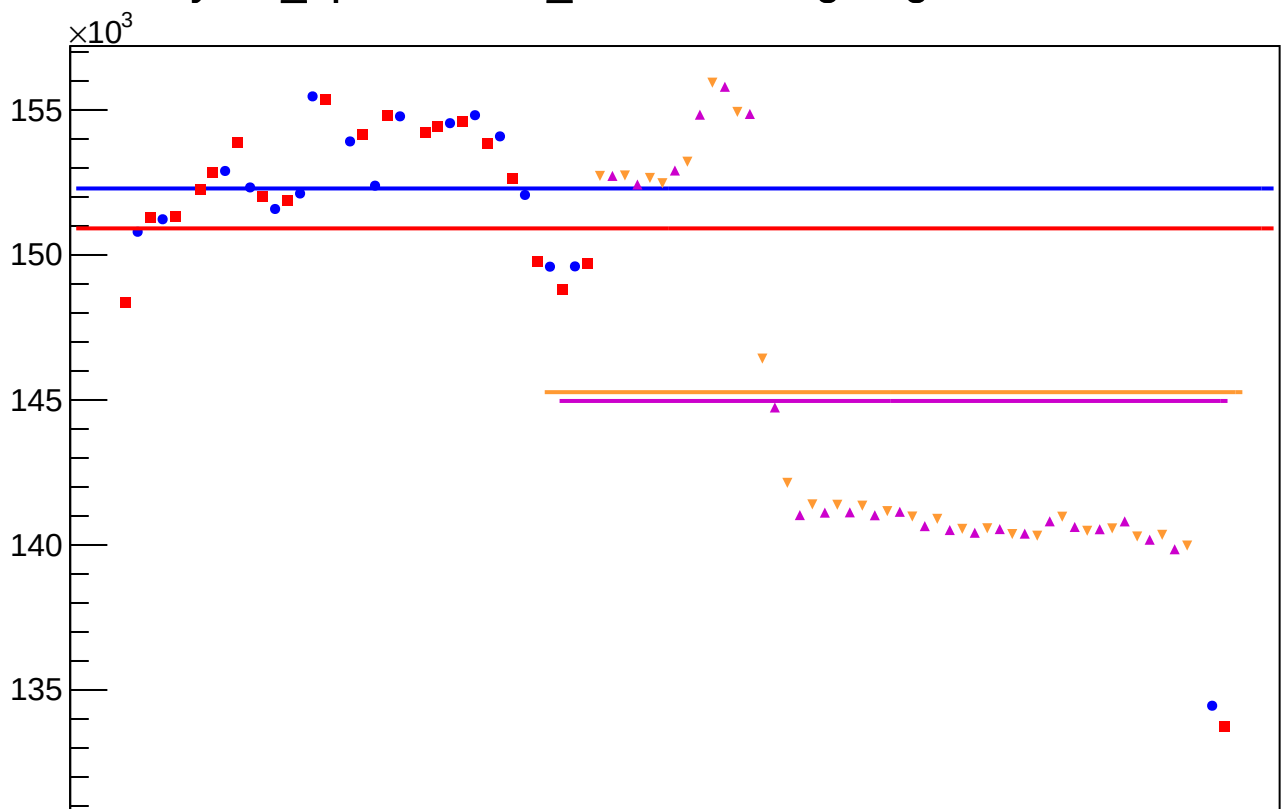
Left: 215.479+/-0.025 χ^2/NDF: 1232550.4/47

Right: 165.710+/-0.031 χ^2/NDF: 2186983.8/37

In: 197.899+/-0.029 χ^2/NDF:2197922.7/39

Out: 193.414+/-0.027 χ^2/NDF:2763016.4/45

All: 195.509+/-0.020 χ^2/NDF: 4974020.0/85



Right In: 152293.423+/-0.072 χ^2/NDF: 1524114229.4/16

Left Out: 145269.857+/-0.049 χ^2/NDF:13706269279.5/24

Right Out: 150917.021+/-0.063 χ^2/NDF: 9299088405.1/20

Left In: 144966.398+/-0.051 χ^2/NDF:13154547043.3/22

Left: 145123.606+/-0.036 χ^2/NDF: 26879011850.5

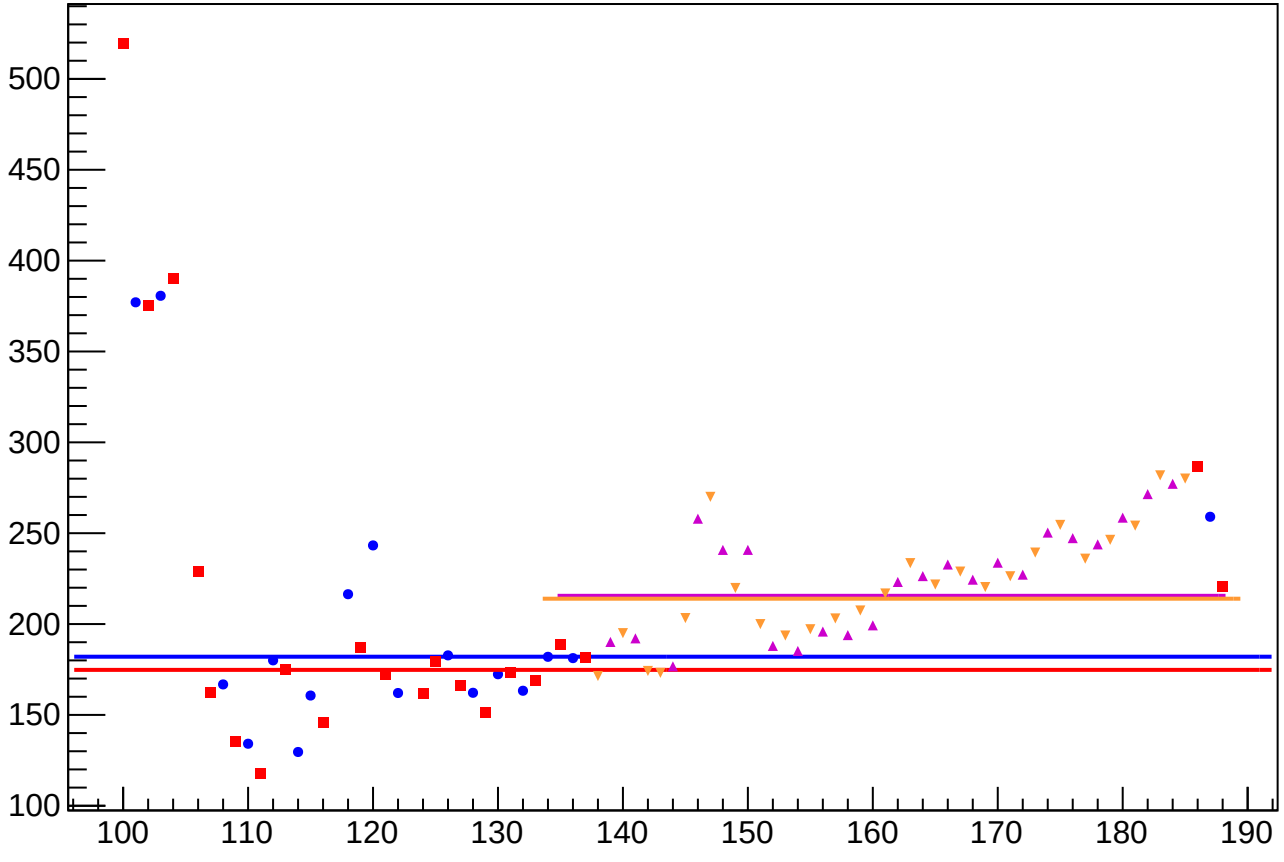
Right: 151516.420+/-0.048 χ^2/NDF: 11028905655.4

In: 147422.685+/-0.042 χ^2/NDF:21542940065.1/3

Out: 147405.443+/-0.039 χ^2/NDF:27949744463.0

All: 147413.466+/-0.028 χ^2/NDF: 49492757

yield_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 182.033+/-0.051 χ^2/NDF: 940181.3/16

Left Out: 213.951+/-0.035 χ^2/NDF:650607.8/24

Right Out: 174.781+/-0.045 χ^2/NDF: 1314837.0/20

Left In: 215.539+/-0.036 χ^2/NDF:600575.7/22

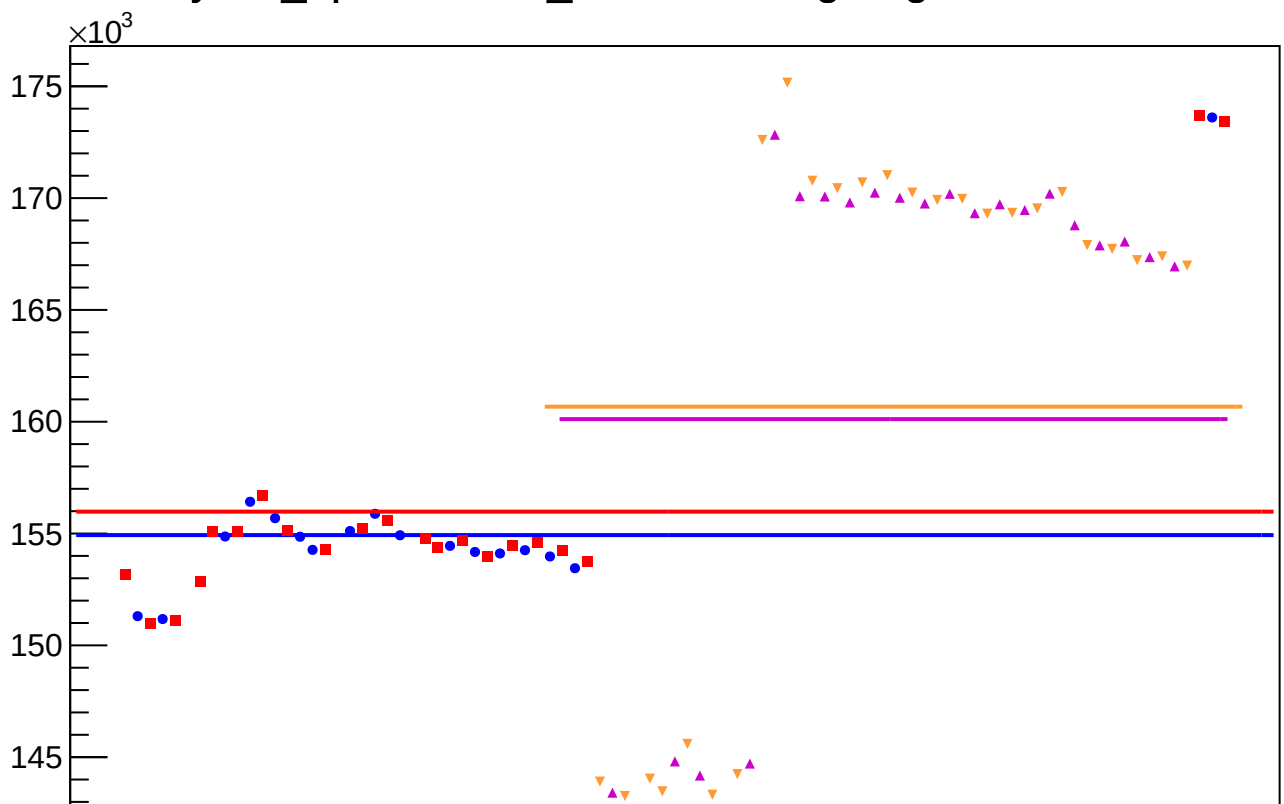
Left: 214.716+/-0.025 χ^2/NDF: 1252179.3/47

Right: 177.939+/-0.034 χ^2/NDF: 2266439.6/37

In: 204.306+/-0.030 χ^2/NDF:1827839.2/39

Out: 199.138+/-0.028 χ^2/NDF:2441214.8/45

All: 201.543+/-0.020 χ^2/NDF: 4285442.2/85



Right In: 154930.386+/-0.065 χ^2/NDF: 1150216672.8/16

Left Out: 160674.818+/-0.047 χ^2/NDF:74155131898.4/24

Right Out: 155979.544+/-0.059 χ^2/NDF: 6239518267.0/20

Left In: 160117.460+/-0.049 χ^2/NDF:66553191753.2/22

Left: 160407.689+/-0.034 χ^2/NDF: 140774615101.

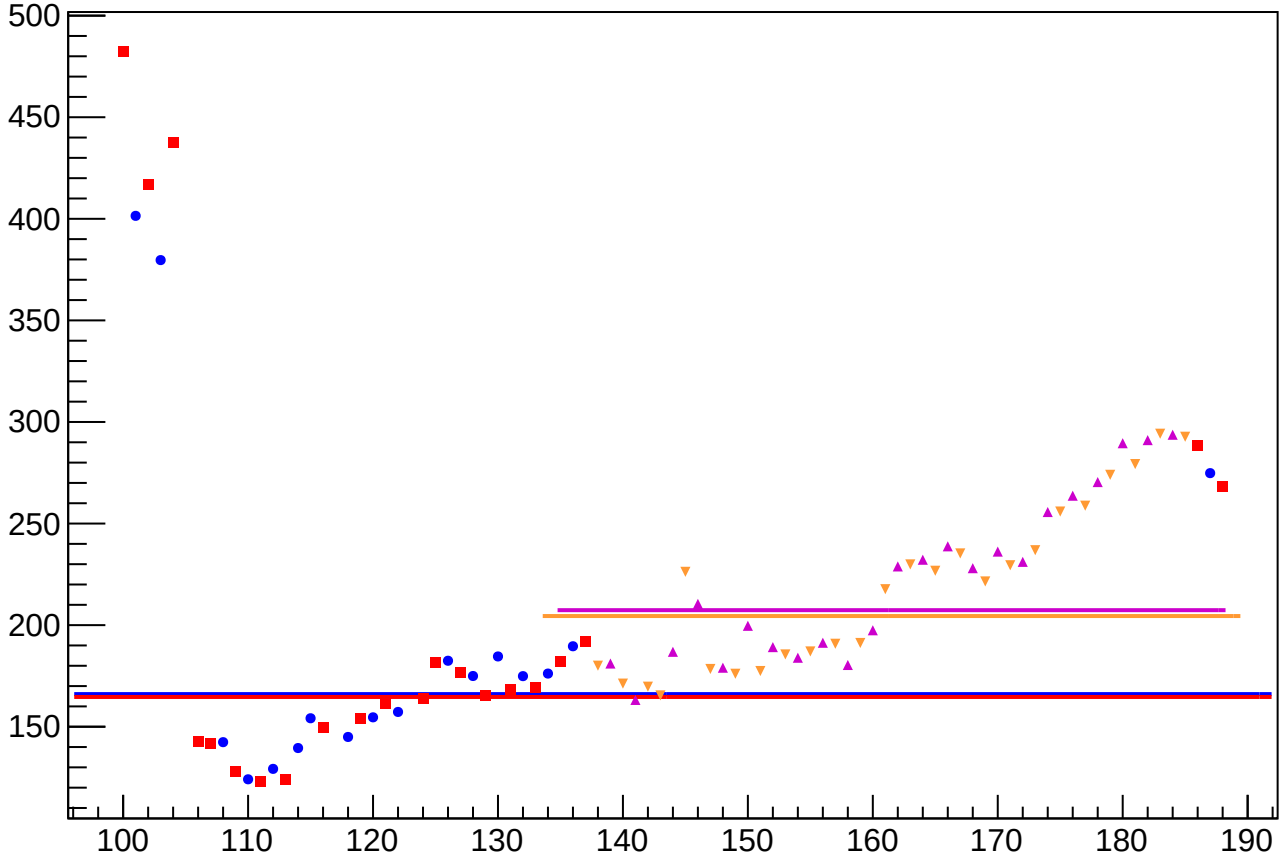
Right: 155503.555+/-0.044 χ^2/NDF: 7532708208.1/

In: 158213.006+/-0.039 χ^2/NDF:71751724759.1/3

Out: 158837.275+/-0.037 χ^2/NDF:84236140119.9

All: 158544.147+/-0.027 χ^2/NDF: 15612173

yield_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 166.055+/-0.046 χ^2/NDF: 1132137.4/16

Left Out: 204.476+/-0.034 χ^2/NDF:1073199.0/24

Right Out: 164.646+/-0.042 χ^2/NDF: 1717192.4/20

Left In: 207.368+/-0.035 χ^2/NDF:956644.0/22

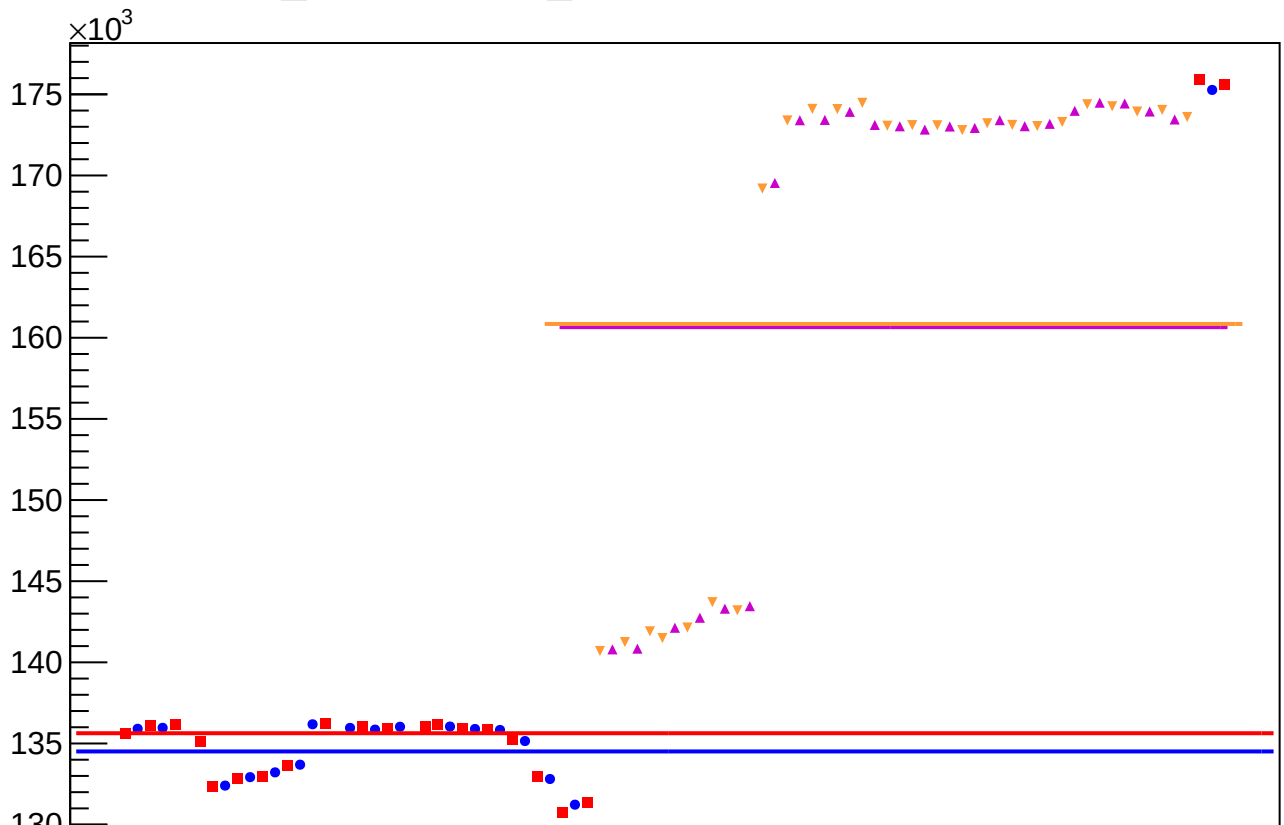
Left: 205.862+/-0.024 χ^2/NDF: 2033412.9/47

Right: 165.286+/-0.031 χ^2/NDF: 2849845.3/37

In: 192.200+/-0.028 χ^2/NDF:2602396.0/39

Out: 188.888+/-0.026 χ^2/NDF:3343259.5/45

All: 190.443+/-0.019 χ^2/NDF: 5953189.6/85



Right In: 134509.384+/-0.051 χ^2/NDF: 4845090916.4/16

Left Out: 160851.077+/-0.048 χ^2/NDF:99202825178.3/24

Right Out: 135631.811+/-0.047 χ^2/NDF: 27093761503.7/20

Left In: 160654.189+/-0.051 χ^2/NDF:90149721861.0/22

Left: 160756.959+/-0.035 χ^2/NDF: 189360447861.

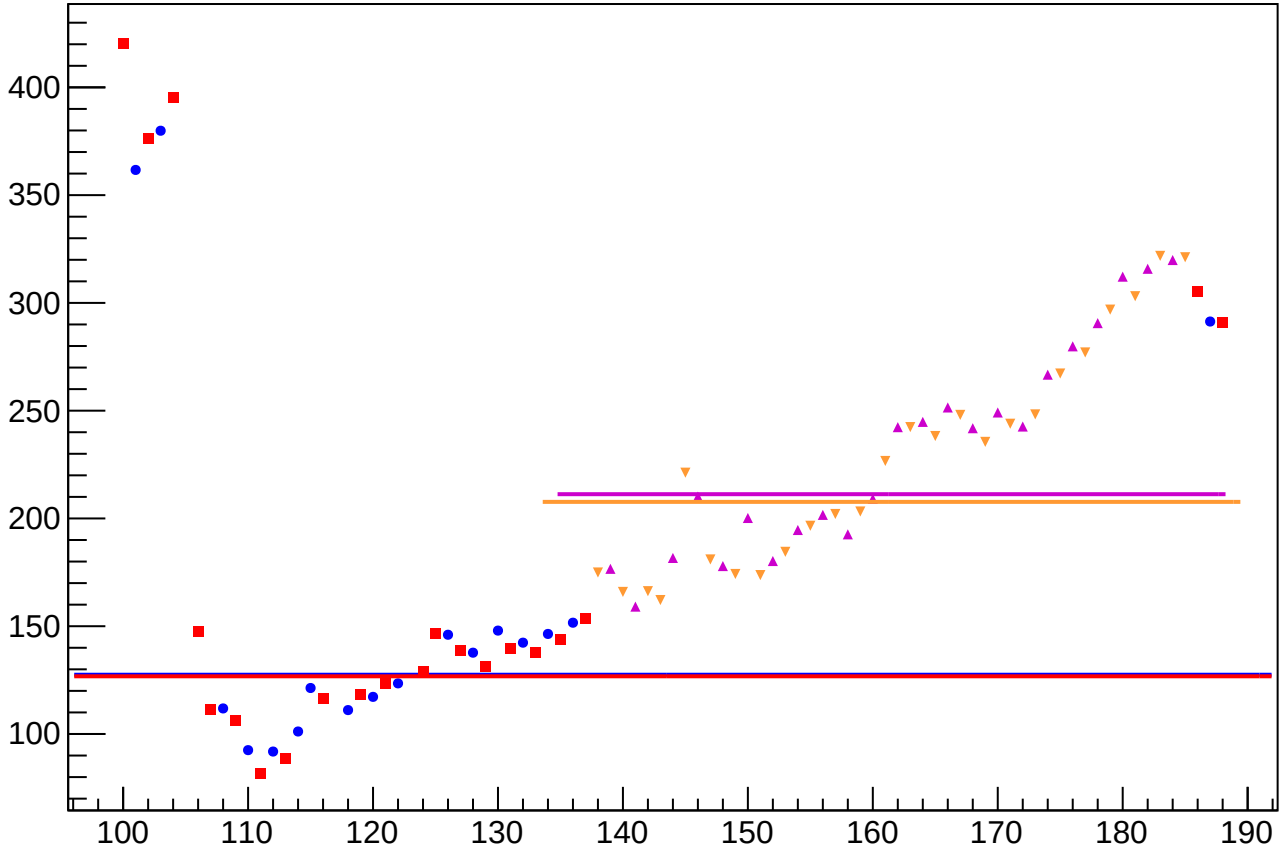
Right: 135111.216+/-0.035 χ^2/NDF: 32201849563.

In: 147600.830+/-0.036 χ^2/NDF:228252141653.5

Out: 147900.201+/-0.034 χ^2/NDF:265552198644.

All: 147759.251+/-0.025 χ^2/NDF: 49384132

yield_bpm1i04WS_rms vs Slug, Sign Corrected



Right In: 127.489+/-0.036 χ^2/NDF: 1597103.8/16

Left Out: 207.689+/-0.034 χ^2/NDF:1500711.5/24

Right Out: 126.763+/-0.033 χ^2/NDF: 2549288.4/20

Left In: 211.254+/-0.036 χ^2/NDF:1305730.5/22

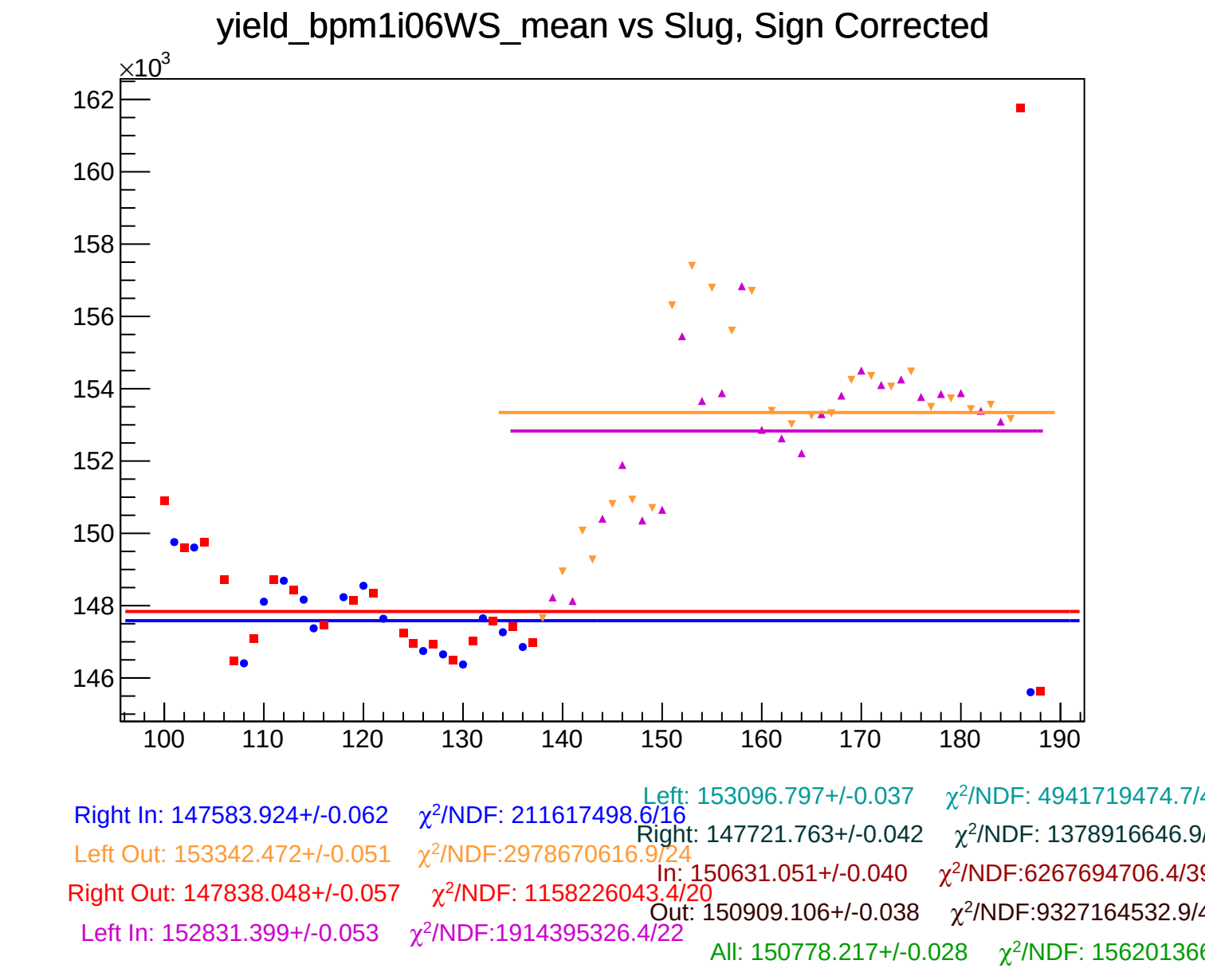
Left: 209.393+/-0.025 χ^2/NDF: 2811623.6/47

Right: 127.100+/-0.024 χ^2/NDF: 4146612.1/37

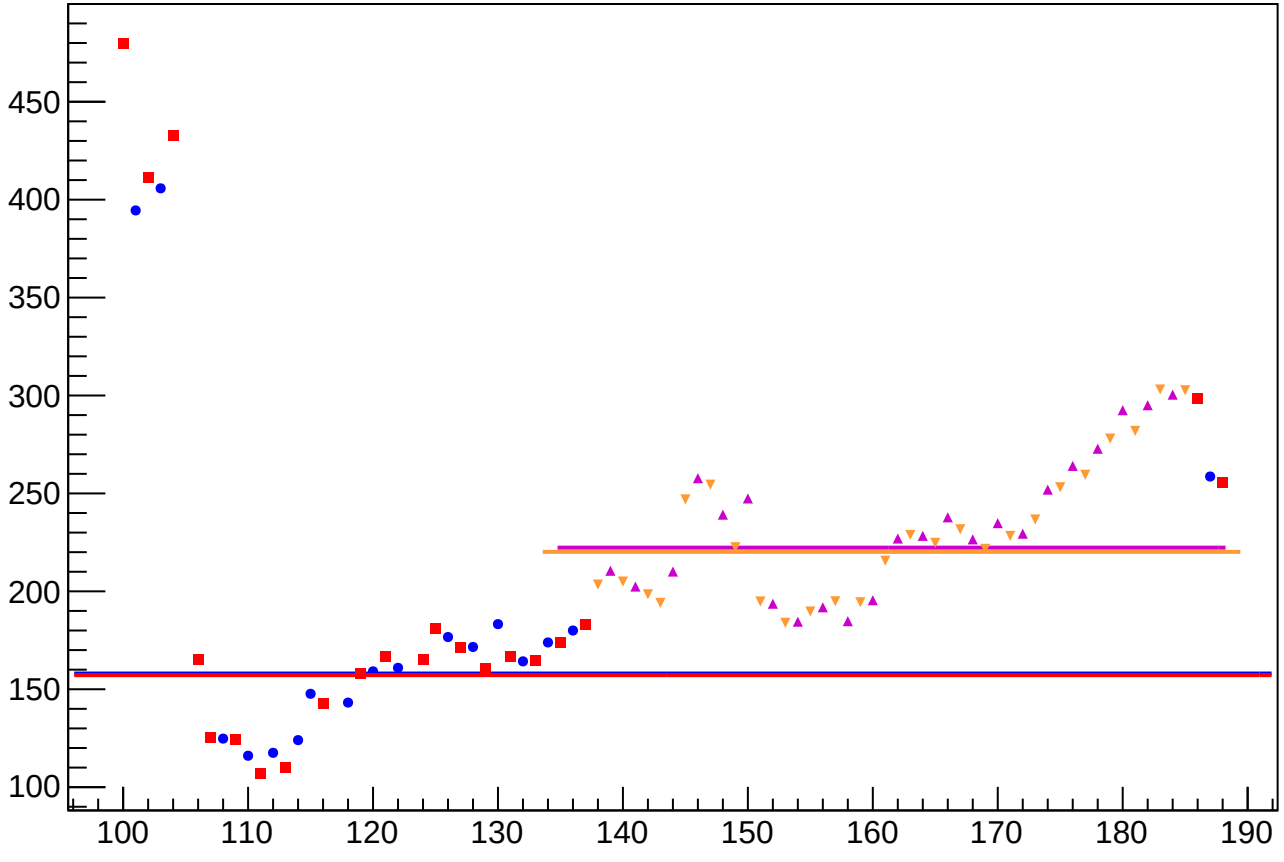
In: 169.433+/-0.025 χ^2/NDF:5638620.2/39

Out: 166.131+/-0.024 χ^2/NDF:6917841.0/45

All: 167.685+/-0.017 χ^2/NDF: 12565457.3/85


yield_bpm1i06WS_mean vs Slug, Sign Corrected
×10^3
162
160
158
156
154
152
150
148
146
100
110
120
130
140
150
160
170
180
190
Right In: 147583.924+/-0.062 χ²/NDF: 211617498.6/16
Left Out: 153342.472+/-0.051 χ²/NDF:2978670616.9/24
Right Out: 147838.048+/-0.057 χ²/NDF: 1158226043.4/20
Left In: 152831.399+/-0.053 χ²/NDF:1914395326.4/22
Left: 153096.797+/-0.037 χ²/NDF: 4941719474.7/4
Right: 147721.763+/-0.042 χ²/NDF: 1378916646.9/
In: 150631.051+/-0.040 χ²/NDF:6267694706.4/39
Out: 150909.106+/-0.038 χ²/NDF:9327164532.9/4
All: 150778.217+/-0.028 χ²/NDF: 15620136

yield_bpm1i06WS_rms vs Slug, Sign Corrected



Right In: 158.030+/-0.044 χ^2/NDF: 1323253.4/16

Left Out: 220.156+/-0.036 χ^2/NDF:685590.6/24

Right Out: 157.204+/-0.040 χ^2/NDF: 1948077.7/20

Left In: 222.304+/-0.037 χ^2/NDF:697605.9/22

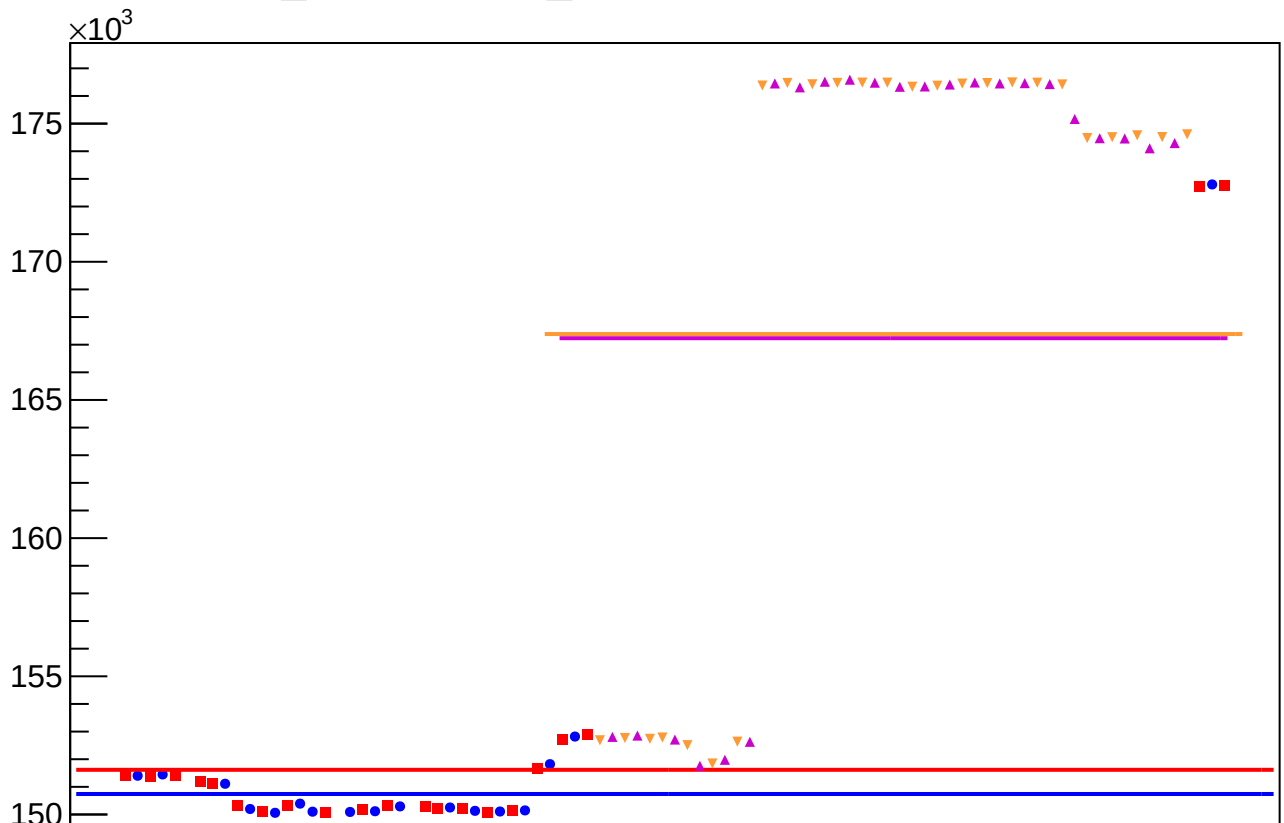
Left: 221.189+/-0.026 χ^2/NDF: 1384916.2/47

Right: 157.582+/-0.030 χ^2/NDF: 3271522.7/37

In: 195.353+/-0.028 χ^2/NDF:3263594.8/39

Out: 192.326+/-0.027 χ^2/NDF:3991380.9/45

All: 193.751+/-0.020 χ^2/NDF: 7260965.5/85



Right In: 150741.657+/-0.054 χ^2/NDF: 1526841817.7/16

Left Out: 167385.483+/-0.047 χ^2/NDF:59602607546.2/24

Right Out: 151616.751+/-0.050 χ^2/NDF: 9203628484.8/20

Left In: 167234.214+/-0.049 χ^2/NDF:55099214555.0/22

Left: 167313.229+/-0.034 χ^2/NDF: 114706826739.

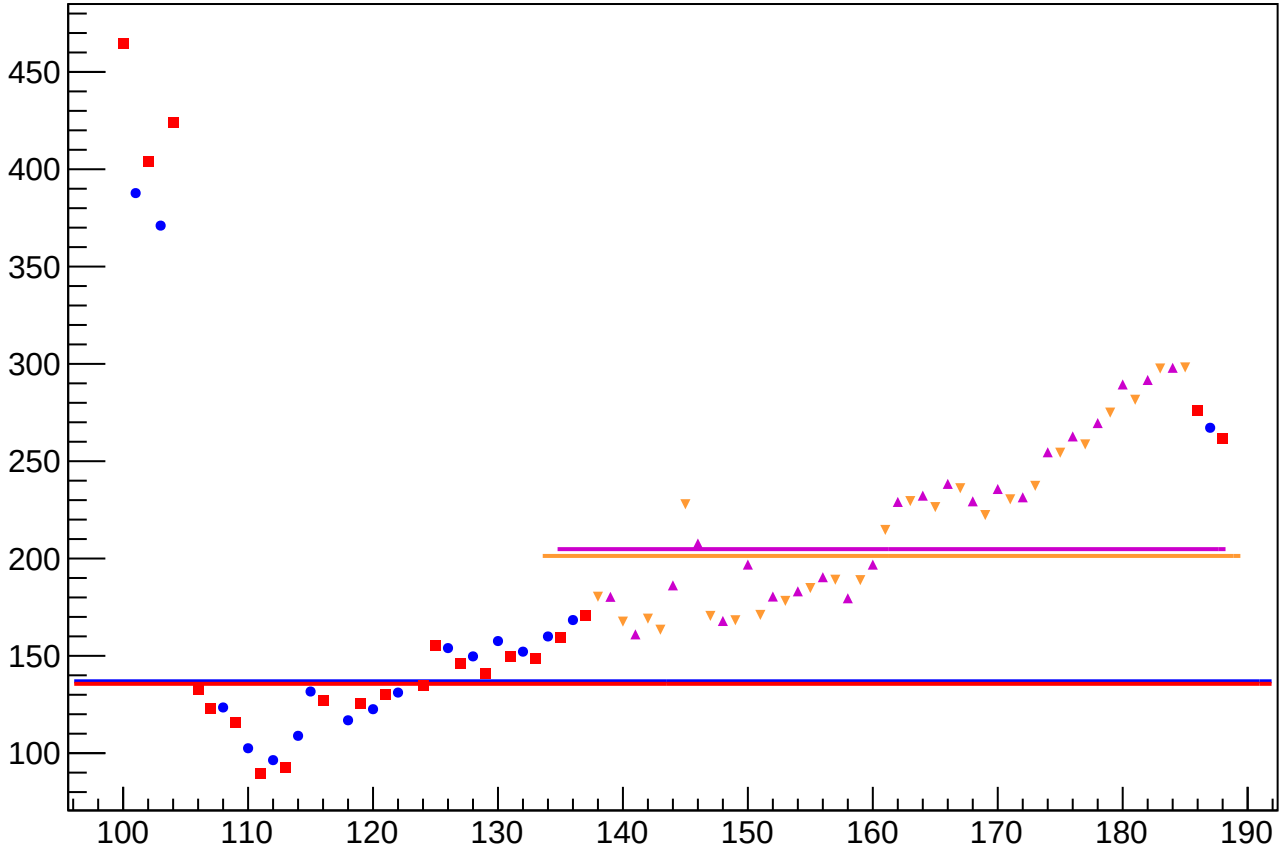
Right: 151218.136+/-0.037 χ^2/NDF: 10871379297.

In: 159868.181+/-0.036 χ^2/NDF:107492669938.5

Out: 159994.560+/-0.034 χ^2/NDF:122171376839.

All: 159935.478+/-0.025 χ^2/NDF: 229670482

yield_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 136.918+/-0.038 χ^2/NDF: 1506282.4/16

Left Out: 201.329+/-0.033 χ^2/NDF:1230655.6/24

Right Out: 135.630+/-0.035 χ^2/NDF: 2299519.4/20

Left In: 204.826+/-0.035 χ^2/NDF:1053130.7/22

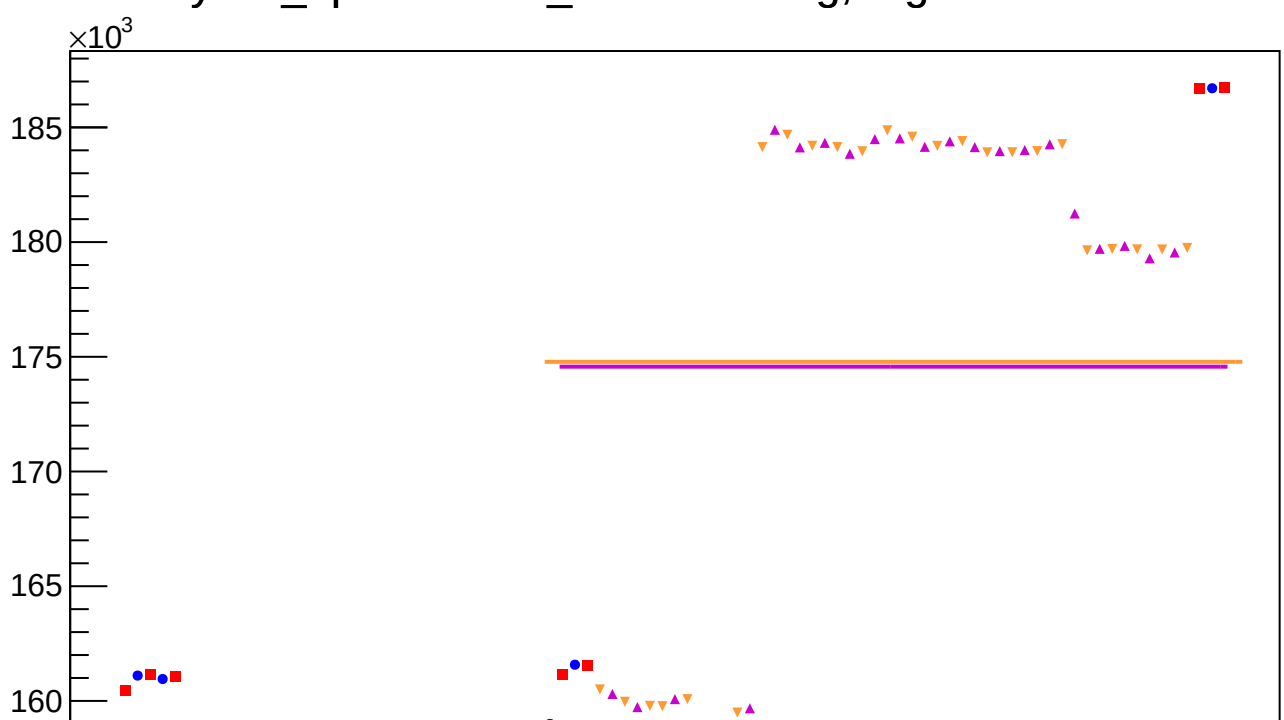
Left: 202.999+/-0.024 χ^2/NDF: 2289136.5/47

Right: 136.217+/-0.026 χ^2/NDF: 3806411.8/37

In: 174.496+/-0.026 χ^2/NDF:4284172.6/39

Out: 170.535+/-0.024 χ^2/NDF:5382856.8/45

All: 172.387+/-0.018 χ^2/NDF: 9679672.1/85



Right In: 156685.534+/-0.057 χ^2/NDF: 3229913915.1/16

Left Out: 174780.651+/-0.048 χ^2/NDF:58132787948.0/24

Right Out: 157725.834+/-0.052 χ^2/NDF: 14666831205.5/20

Left In: 174570.001+/-0.050 χ^2/NDF:54757801795.4/22

Left: 174679.876+/-0.035 χ^2/NDF: 112899724862.

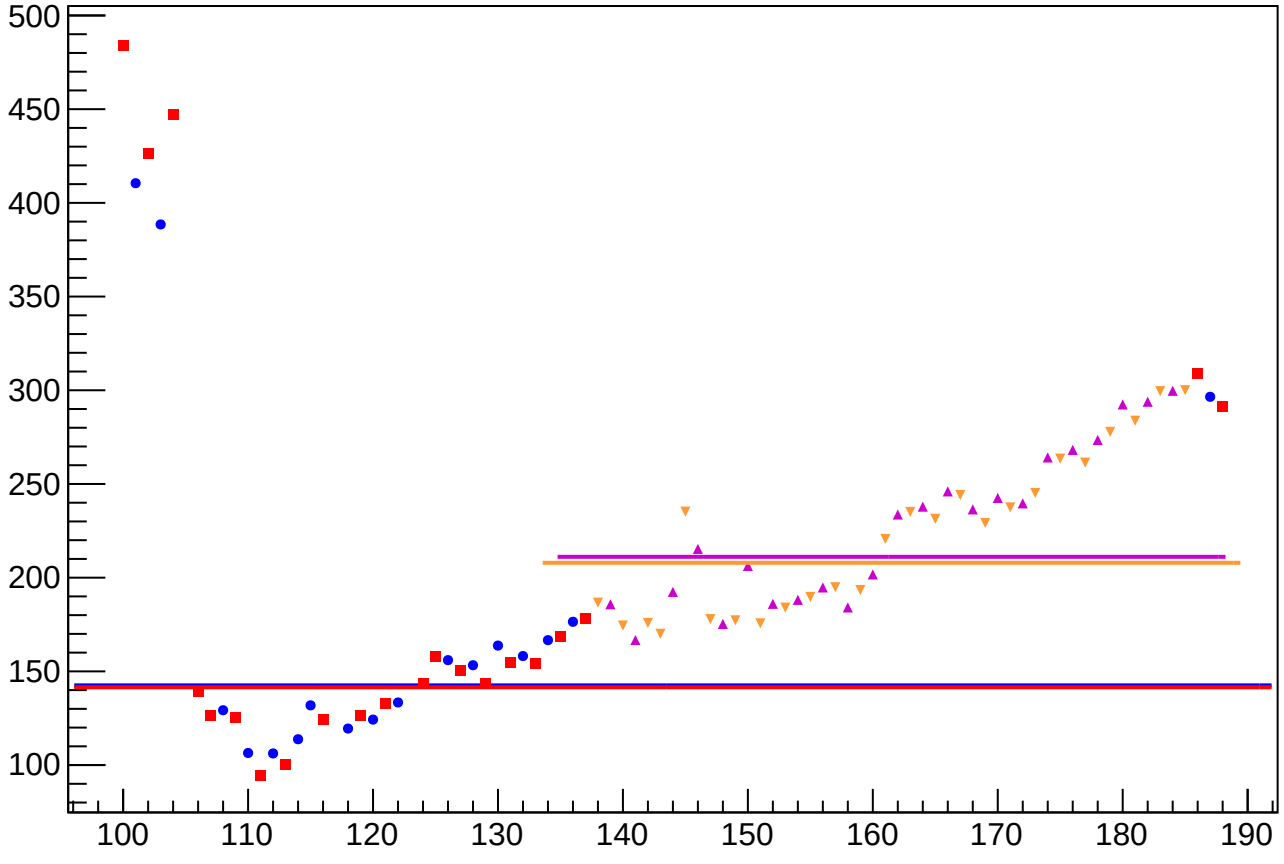
Right: 157249.804+/-0.038 χ^2/NDF: 18079859299.

In: 166674.894+/-0.038 χ^2/NDF:113717800464.0

Out: 166898.690+/-0.035 χ^2/NDF:130646661694.

All: 166793.733+/-0.026 χ^2/NDF: 24438325

yield_bpm2i02WS_rms vs Slug, Sign Corrected



Right In: 142.533+/-0.040 χ^2/NDF: 1494047.3/16

Left Out: 207.940+/-0.034 χ^2/NDF:1132127.7/24

Right Out: 141.503+/-0.037 χ^2/NDF: 2354955.3/20

Left In: 211.133+/-0.036 χ^2/NDF:993720.4/22

Left: 209.467+/-0.025 χ^2/NDF: 2130047.7/47

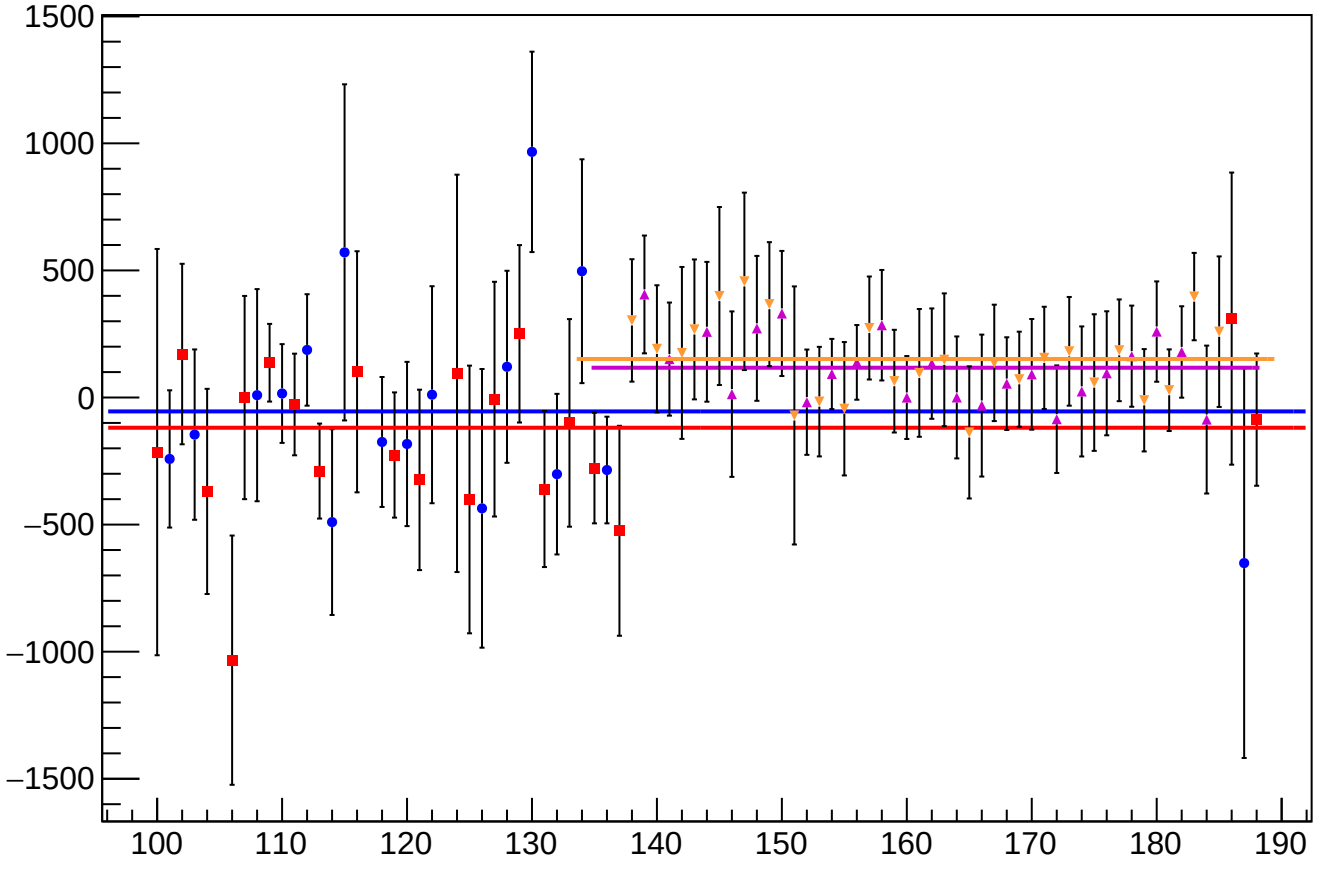
Right: 141.975+/-0.027 χ^2/NDF: 3849361.2/37

In: 180.850+/-0.027 χ^2/NDF:4127679.7/39

Out: 177.236+/-0.025 χ^2/NDF:5242685.7/45

All: 178.931+/-0.018 χ^2/NDF: 9380166.2/85

asym_bcm_target_mean vs Slug, Sign Corrected



Right In: -54.703+/-76.213 χ^2/NDF: 16.0/16

Left Out: 151.598+/-46.419 χ^2/NDF:9.6/24

Right Out: -118.934+/-65.812 χ^2/NDF: 13.4/20

Left In: 117.163+/-43.778 χ^2/NDF:7.5/22

Left: 133.373+/-31.848 χ^2/NDF: 17.4/47

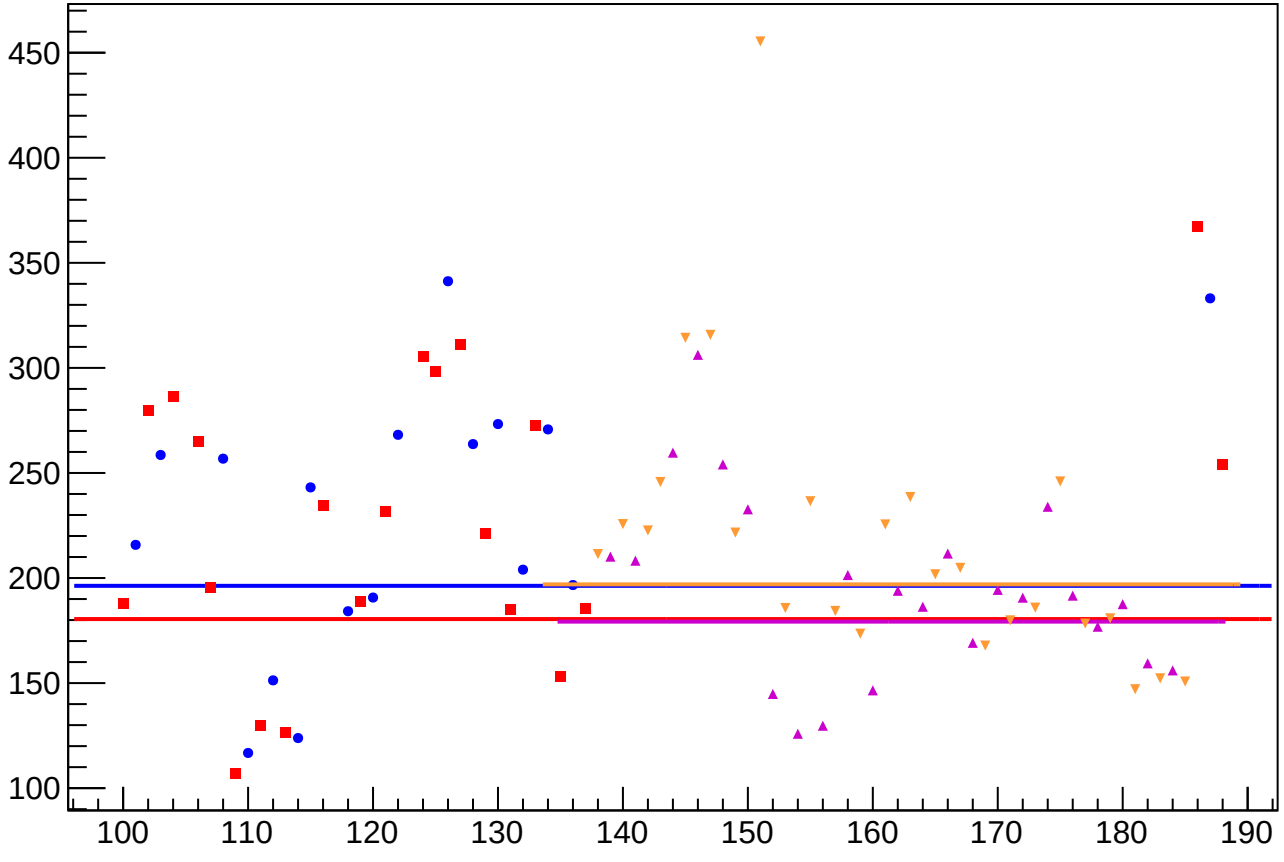
Right: -91.497+/-49.811 χ^2/NDF: 29.9/37

In: 74.524+/-37.961 χ^2/NDF:27.3/39

Out: 61.724+/-37.933 χ^2/NDF:34.3/45

All: 68.119+/-26.833 χ^2/NDF: 61.7/85

asym_bcm_target_rms vs Slug, Sign Corrected



Right In: 196.288+/-0.054 χ^2/NDF: 1093210.3/16

Left Out: 196.975+/-0.033 χ^2/NDF:1809307.4/24

Right Out: 180.472+/-0.047 χ^2/NDF: 2029367.0/20

Left In: 179.256+/-0.031 χ^2/NDF:1656023.5/22

Left: 187.597+/-0.023 χ^2/NDF: 3619571.5/47

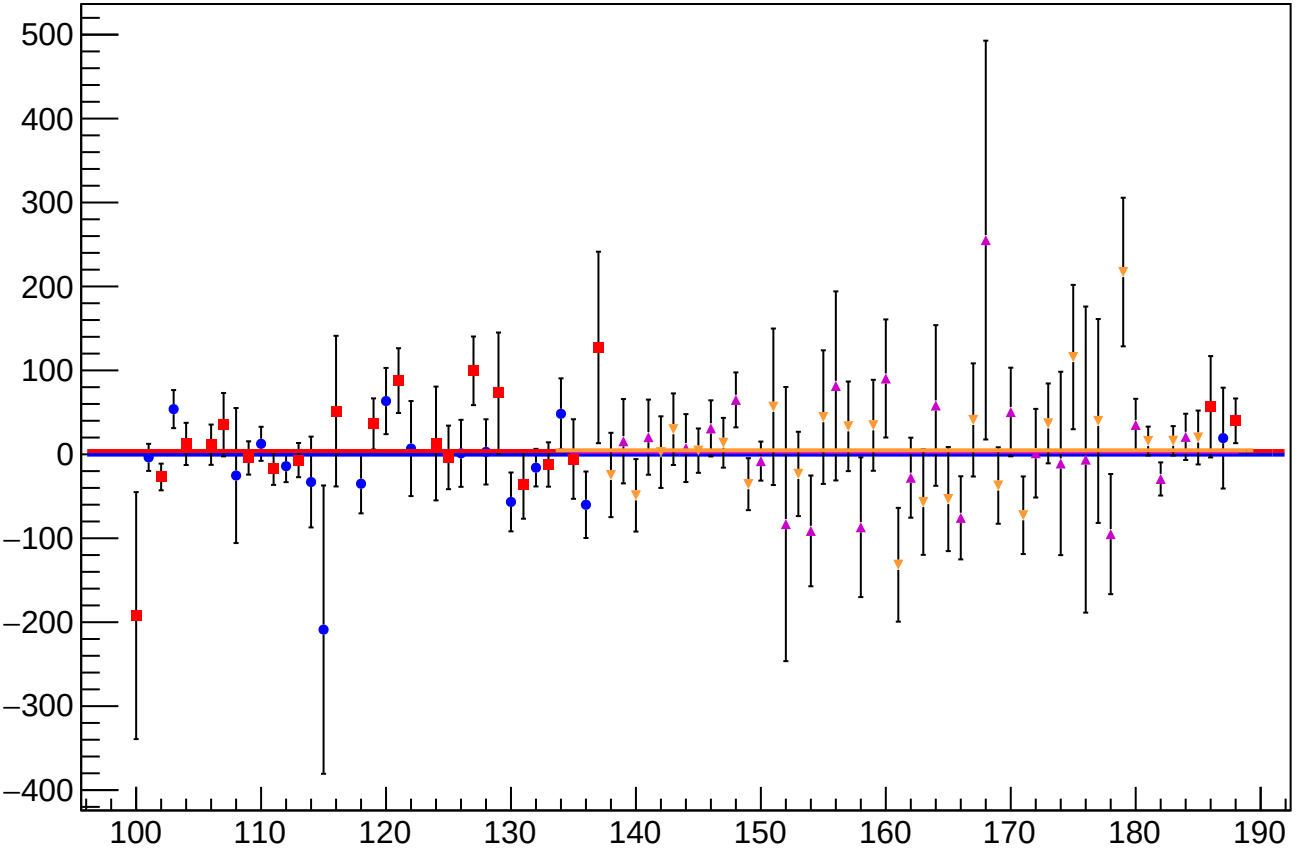
Right: 187.228+/-0.035 χ^2/NDF: 3171918.5/37

In: 183.481+/-0.027 χ^2/NDF:2824337.2/39

Out: 191.493+/-0.027 χ^2/NDF:3922662.2/45

All: 187.490+/-0.019 χ^2/NDF: 6791568.2/85

asym_bcm_an_diff_mean vs Slug, Sign Corrected



Right In: -0.330+/-7.286 χ^2/NDF: 19.0/16

Left Out: 4.803+/-7.601 χ^2/NDF:24.3/24

Right Out: 3.926+/-6.520 χ^2/NDF: 25.8/20

Left In: 2.918+/-8.840 χ^2/NDF:21.5/22

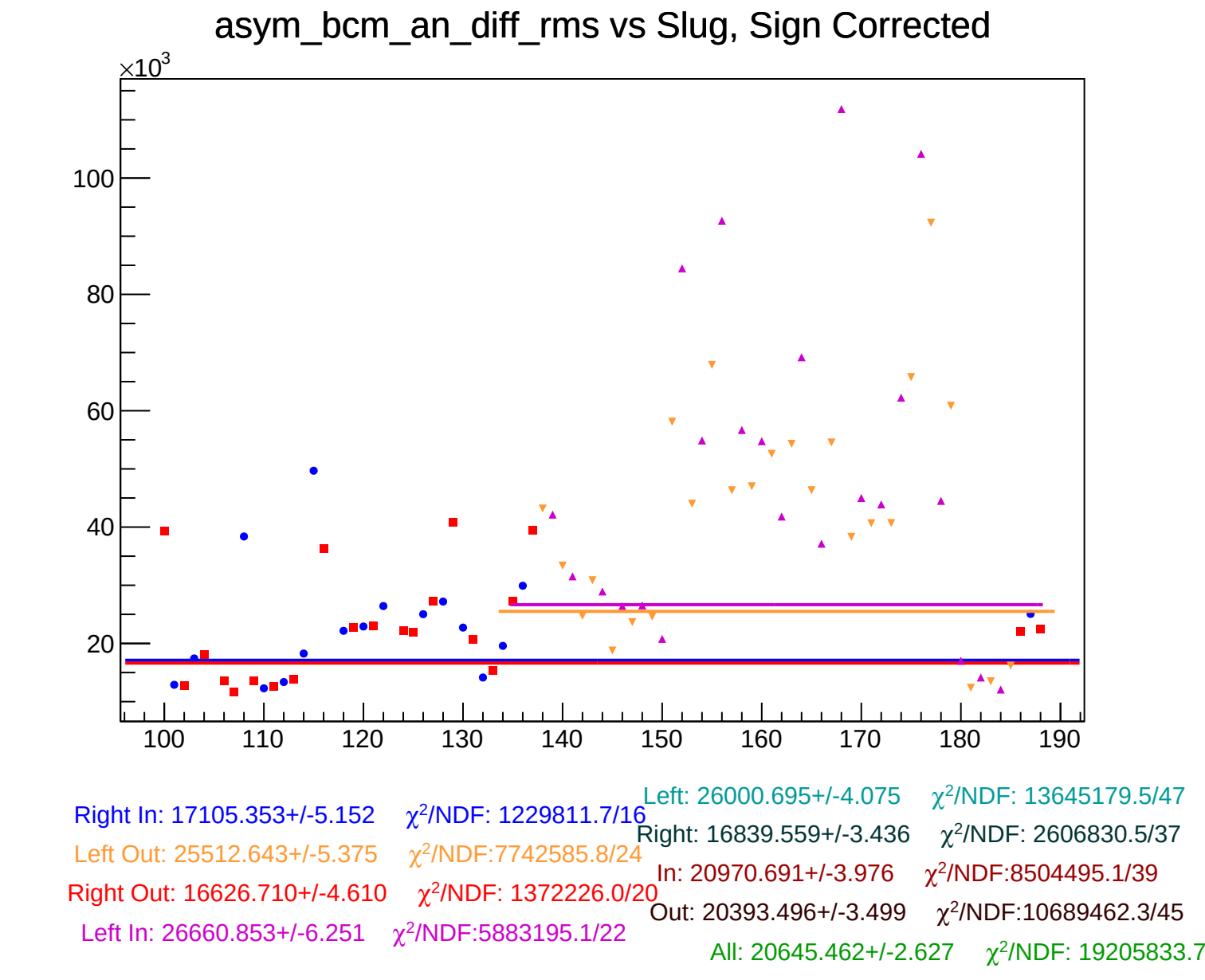
Left: 4.002+/-5.763 χ^2/NDF: 45.9/47

Right: 2.033+/-4.859 χ^2/NDF: 45.0/37

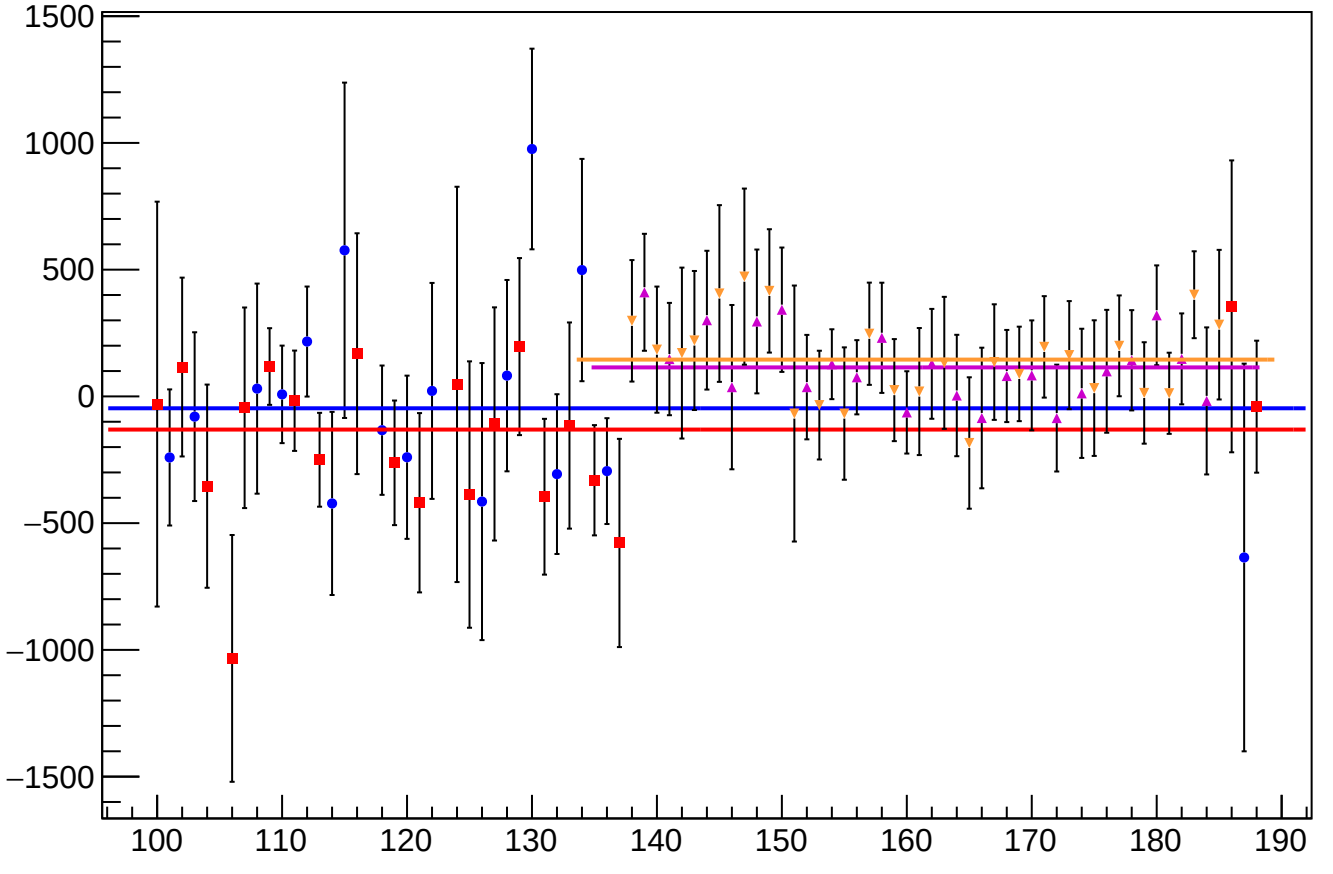
In: 0.984+/-5.622 χ^2/NDF:40.6/39

Out: 4.298+/-4.949 χ^2/NDF:50.2/45

All: 2.851+/-3.715 χ^2/NDF: 90.9/85


asym_bcm_an_diff_rms vs Slug, Sign Corrected
×10^3
100
80
60
40
20
100
110
120
130
140
150
160
170
180
190
Right In: 17105.353+/-5.152 χ²/NDF: 1229811.7/16
Left Out: 25512.643+/-5.375 χ²/NDF:7742585.8/24
Right Out: 16626.710+/-4.610 χ²/NDF: 1372226.0/20
Left In: 26660.853+/-6.251 χ²/NDF:5883195.1/22
Left: 26000.695+/-4.075 χ²/NDF: 13645179.5/47
Right: 16839.559+/-3.436 χ²/NDF: 2606830.5/37
In: 20970.691+/-3.976 χ²/NDF:8504495.1/39
Out: 20393.496+/-3.499 χ²/NDF:10689462.3/45
All: 20645.462+/-2.627 χ²/NDF: 19205833.7

asym_bcm_an_ds_mean vs Slug, Sign Corrected



Right In: -46.886+/-75.782 χ^2/NDF: 16.1/16

Left Out: 145.172+/-46.225 χ^2/NDF:11.2/24

Right Out: -130.849+/-65.438 χ^2/NDF: 13.9/20

Left In: 114.400+/-43.619 χ^2/NDF:8.4/22

Left: 128.894+/-31.725 χ^2/NDF: 19.8/47

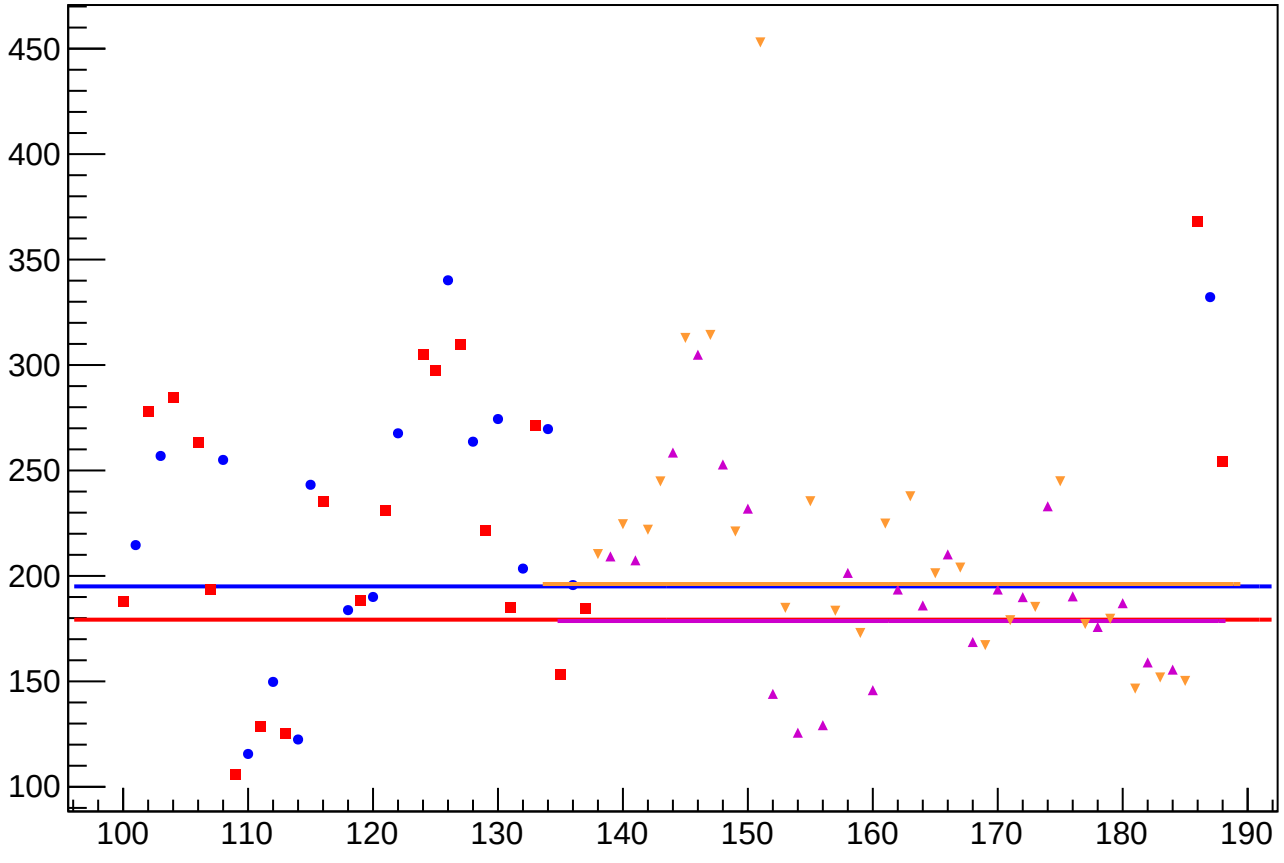
Right: -94.984+/-49.528 χ^2/NDF: 30.6/37

In: 74.263+/-37.804 χ^2/NDF:27.8/39

Out: 53.289+/-37.756 χ^2/NDF:37.0/45

All: 63.762+/-26.714 χ^2/NDF: 65.0/85

asym_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 195.031+/-0.054 χ^2/NDF: 1114754.9/16

Left Out: 196.166+/-0.033 χ^2/NDF:1806871.5/24

Right Out: 179.263+/-0.046 χ^2/NDF: 2061034.5/20

Left In: 178.621+/-0.031 χ^2/NDF:1651873.8/22

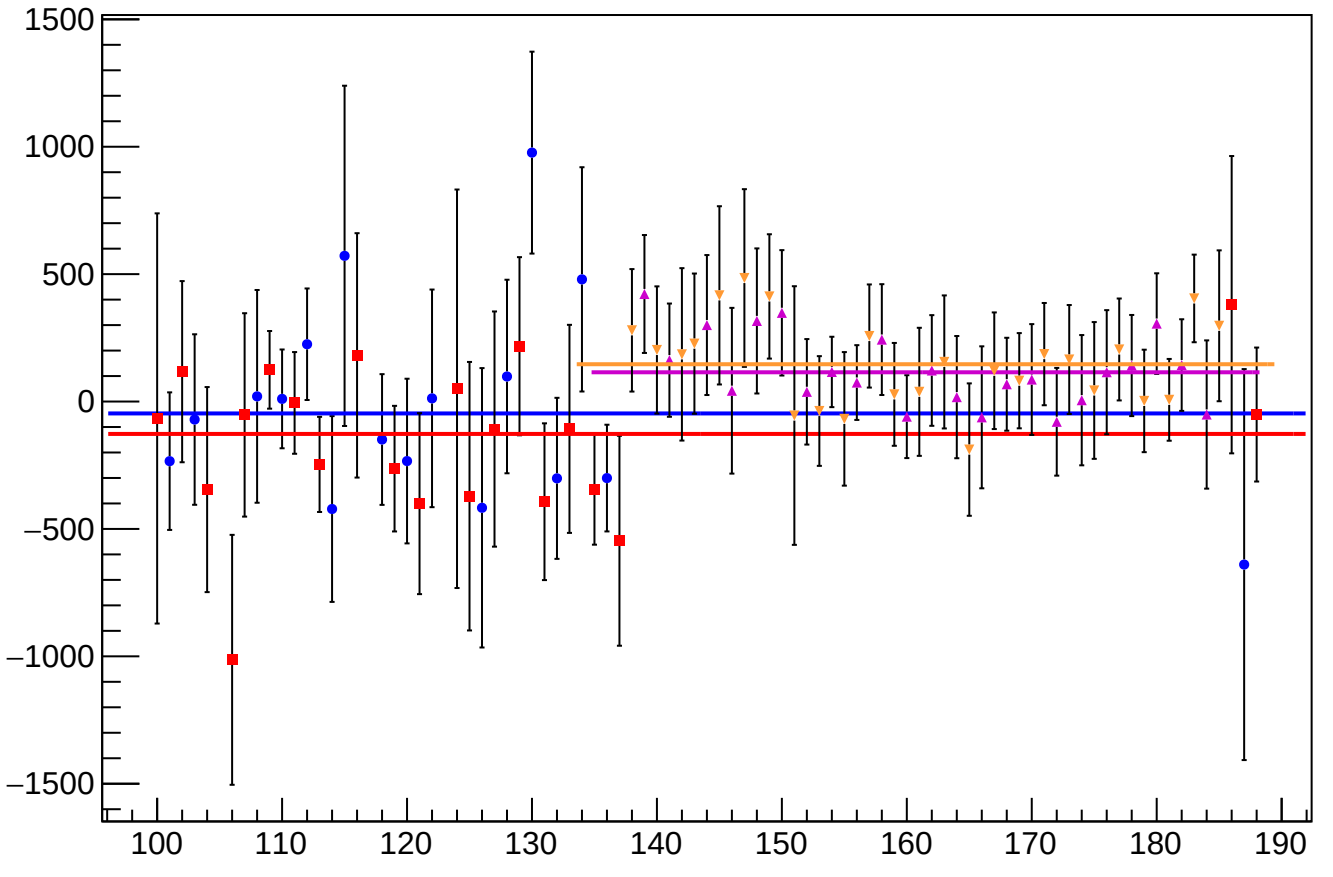
Left: 186.885+/-0.022 χ^2/NDF: 3611152.5/47

Right: 185.998+/-0.035 χ^2/NDF: 3225386.6/37

In: 182.705+/-0.027 χ^2/NDF:2837072.1/39

Out: 190.539+/-0.027 χ^2/NDF:3956917.3/45

All: 186.627+/-0.019 χ^2/NDF: 6836993.2/85



Right In: -46.707+/-76.200 χ^2/NDF: 16.0/16

Left Out: 146.417+/-46.379 χ^2/NDF:11.4/24

Right Out: -127.148+/-65.827 χ^2/NDF: 13.8/20

Left In: 114.807+/-43.740 χ^2/NDF:8.4/22

Left: 129.688+/-31.821 χ^2/NDF: 20.1/47

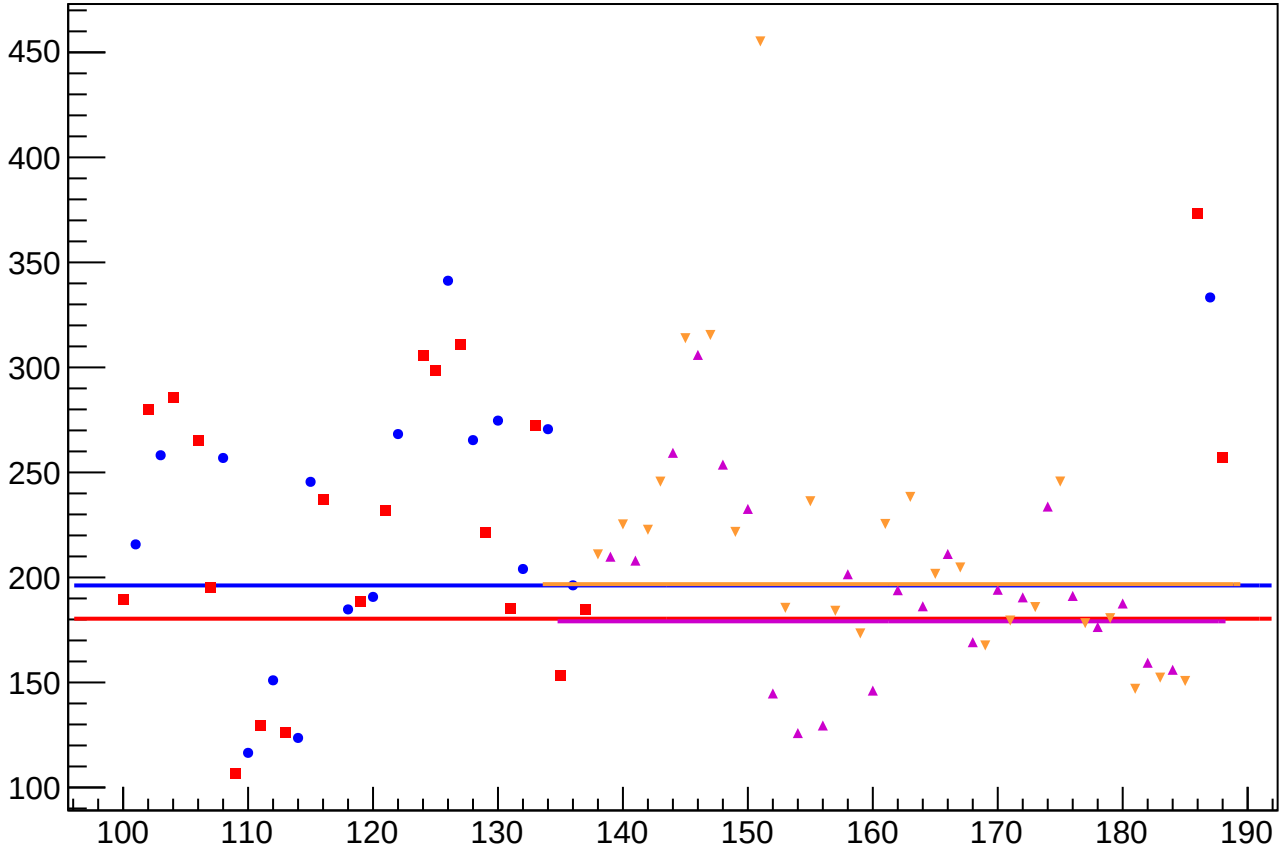
Right: -92.771+/-49.814 χ^2/NDF: 30.4/37

In: 74.778+/-37.935 χ^2/NDF:27.8/39

Out: 55.668+/-37.914 χ^2/NDF:36.7/45

All: 65.218+/-26.817 χ^2/NDF: 64.6/85

asym_bcm_an_ds3_rms vs Slug, Sign Corrected



Right In: 196.185+/-0.054 χ^2/NDF: 1103611.5/16

Left Out: 196.805+/-0.033 χ^2/NDF:1808608.7/24

Right Out: 180.357+/-0.047 χ^2/NDF: 2056498.2/20

Left In: 179.101+/-0.031 χ^2/NDF:1655866.1/22

Left: 187.435+/-0.023 χ^2/NDF: 3618723.6/47

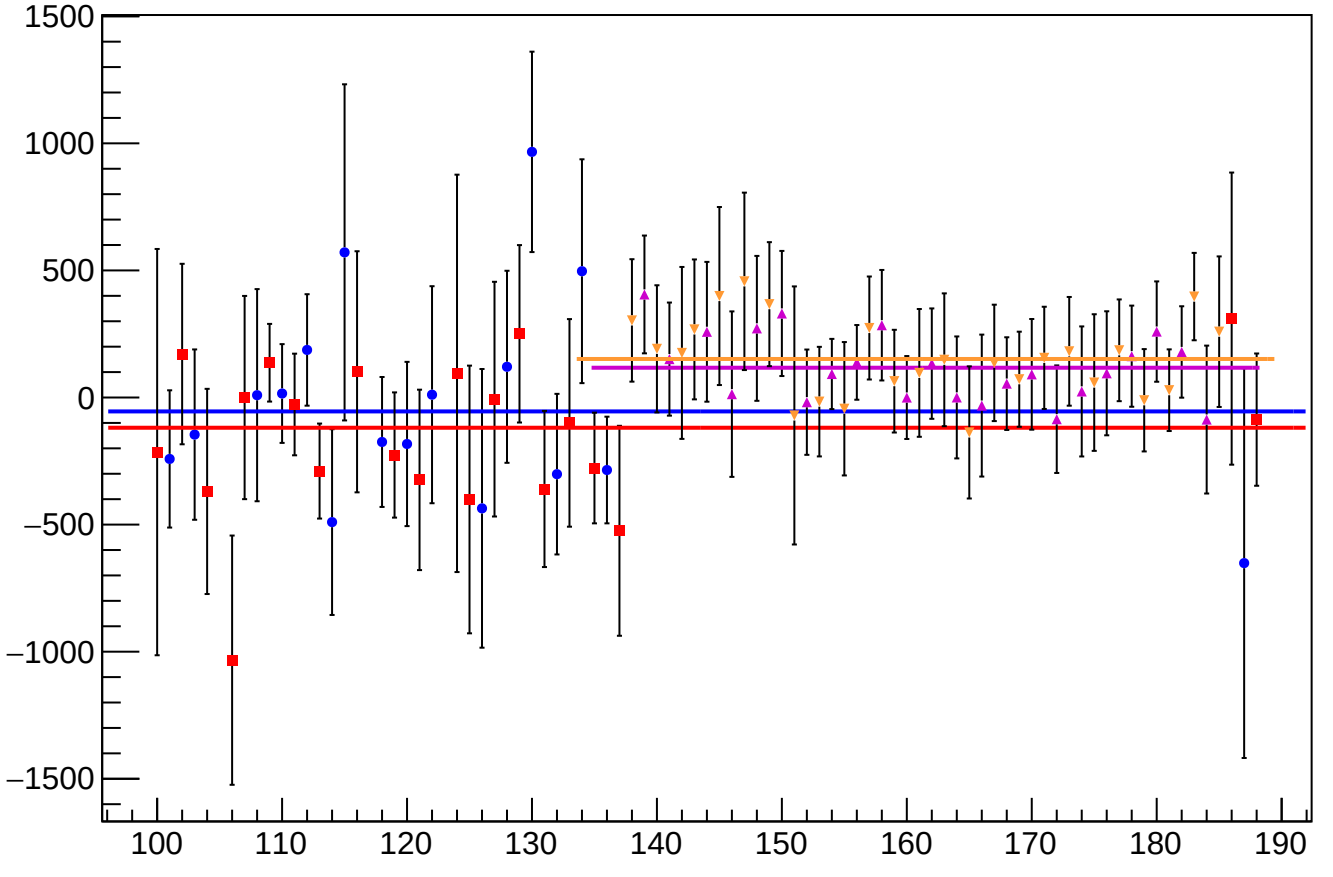
Right: 187.121+/-0.035 χ^2/NDF: 3209527.4/37

In: 183.335+/-0.027 χ^2/NDF:2835098.3/39

Out: 191.349+/-0.027 χ^2/NDF:3948555.4/45

All: 187.344+/-0.019 χ^2/NDF: 6828307.4/85

asym_bcm_an_us_mean vs Slug, Sign Corrected



Right In: -54.703+/-76.213 χ^2/NDF: 16.0/16

Left Out: 151.598+/-46.419 χ^2/NDF:9.6/24

Right Out: -118.934+/-65.812 χ^2/NDF: 13.4/20

Left In: 117.163+/-43.778 χ^2/NDF:7.5/22

Left: 133.373+/-31.848 χ^2/NDF: 17.4/47

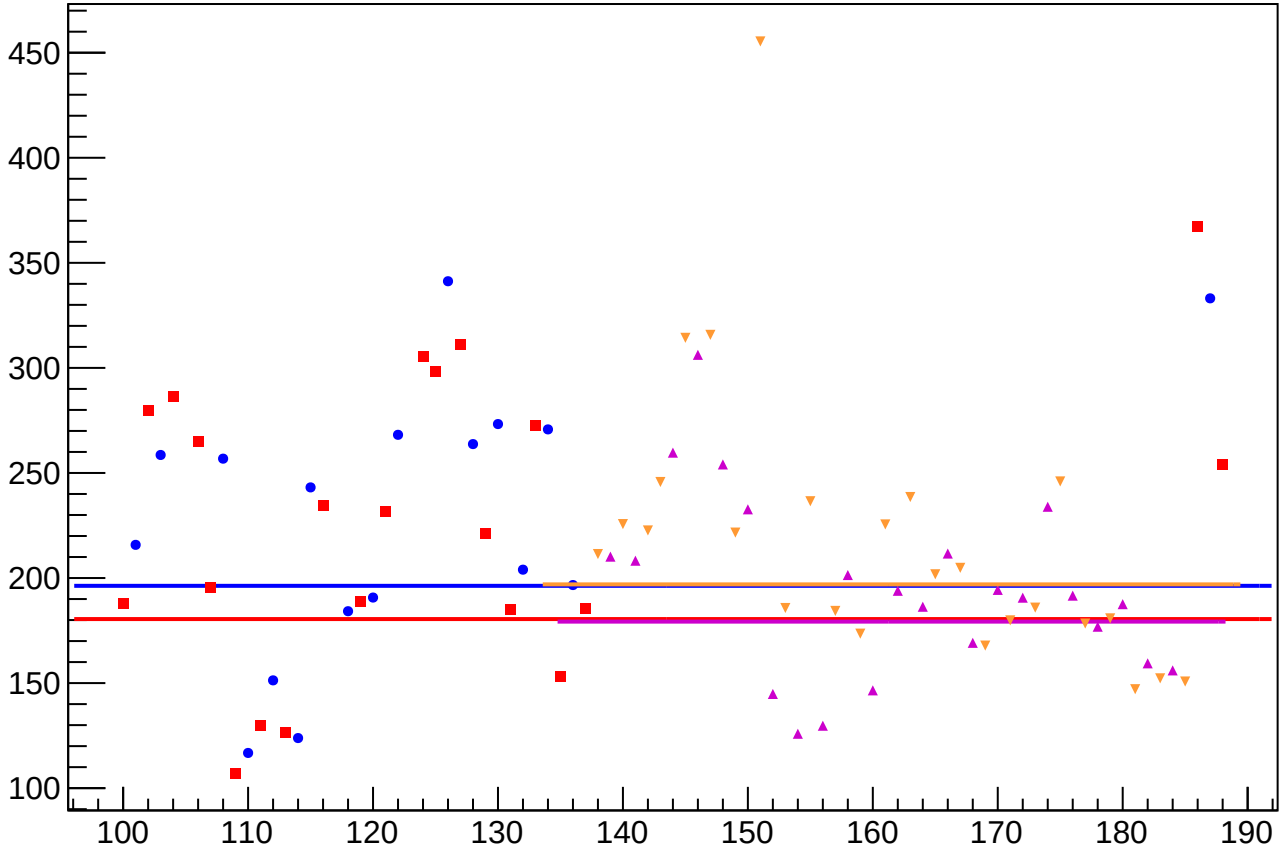
Right: -91.497+/-49.811 χ^2/NDF: 29.9/37

In: 74.524+/-37.961 χ^2/NDF:27.3/39

Out: 61.724+/-37.933 χ^2/NDF:34.3/45

All: 68.119+/-26.833 χ^2/NDF: 61.7/85

asym_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 196.288+/-0.054 χ^2/NDF: 1093210.3/16

Left Out: 196.975+/-0.033 χ^2/NDF:1809307.4/24

Right Out: 180.472+/-0.047 χ^2/NDF: 2029367.0/20

Left In: 179.256+/-0.031 χ^2/NDF:1656023.5/22

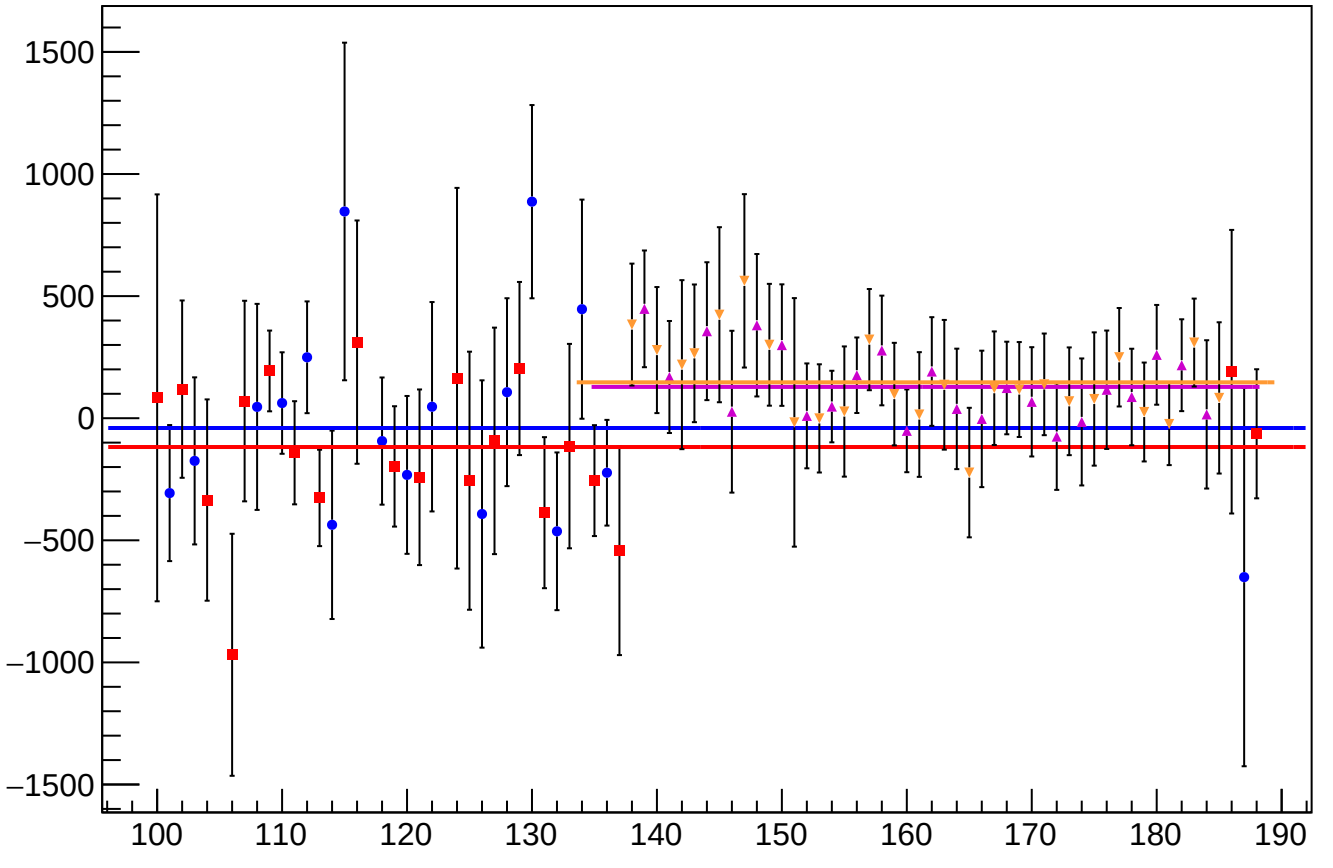
Left: 187.597+/-0.023 χ^2/NDF: 3619571.5/47

Right: 187.228+/-0.035 χ^2/NDF: 3171918.5/37

In: 183.481+/-0.027 χ^2/NDF:2824337.2/39

Out: 191.493+/-0.027 χ^2/NDF:3922662.2/45

All: 187.490+/-0.019 χ^2/NDF: 6791568.2/85



Right In: -40.083+/-78.588 χ^2/NDF: 16.4/16

Left Out: 146.973+/-47.709 χ^2/NDF:10.2/24

Right Out: -117.970+/-68.369 χ^2/NDF: 13.0/20

Left In: 128.159+/-45.200 χ^2/NDF:8.6/22

Left: 137.058+/-32.812 χ^2/NDF: 18.8/47

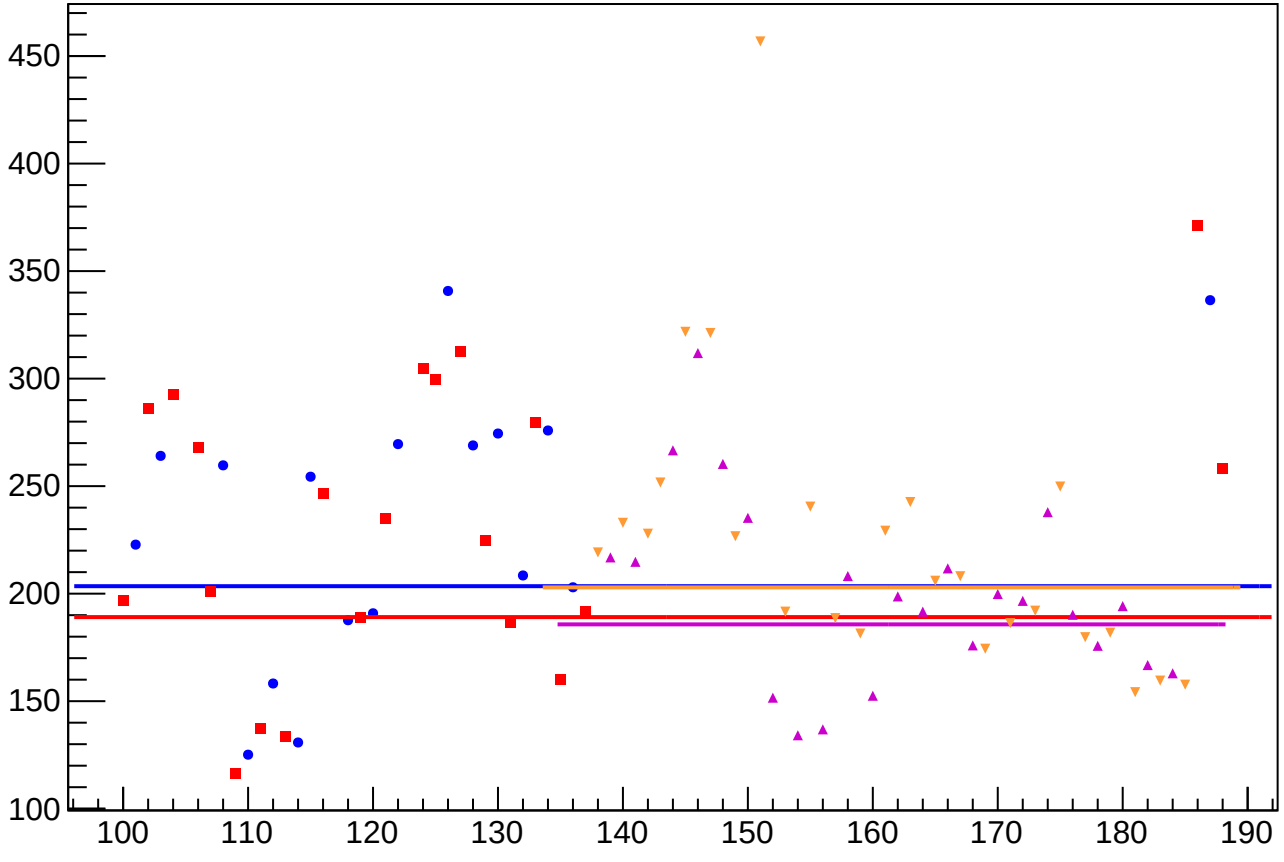
Right: -84.417+/-51.581 χ^2/NDF: 30.0/37

In: 86.339+/-39.182 χ^2/NDF:28.4/39

Out: 60.209+/-39.125 χ^2/NDF:33.3/45

All: 73.255+/-27.685 χ^2/NDF: 61.9/85

asym_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 203.474+/-0.056 χ^2/NDF: 969849.4/16

Left Out: 202.920+/-0.034 χ^2/NDF:1700115.2/24

Right Out: 189.098+/-0.048 χ^2/NDF: 1798997.9/20

Left In: 185.716+/-0.032 χ^2/NDF:1489487.2/22

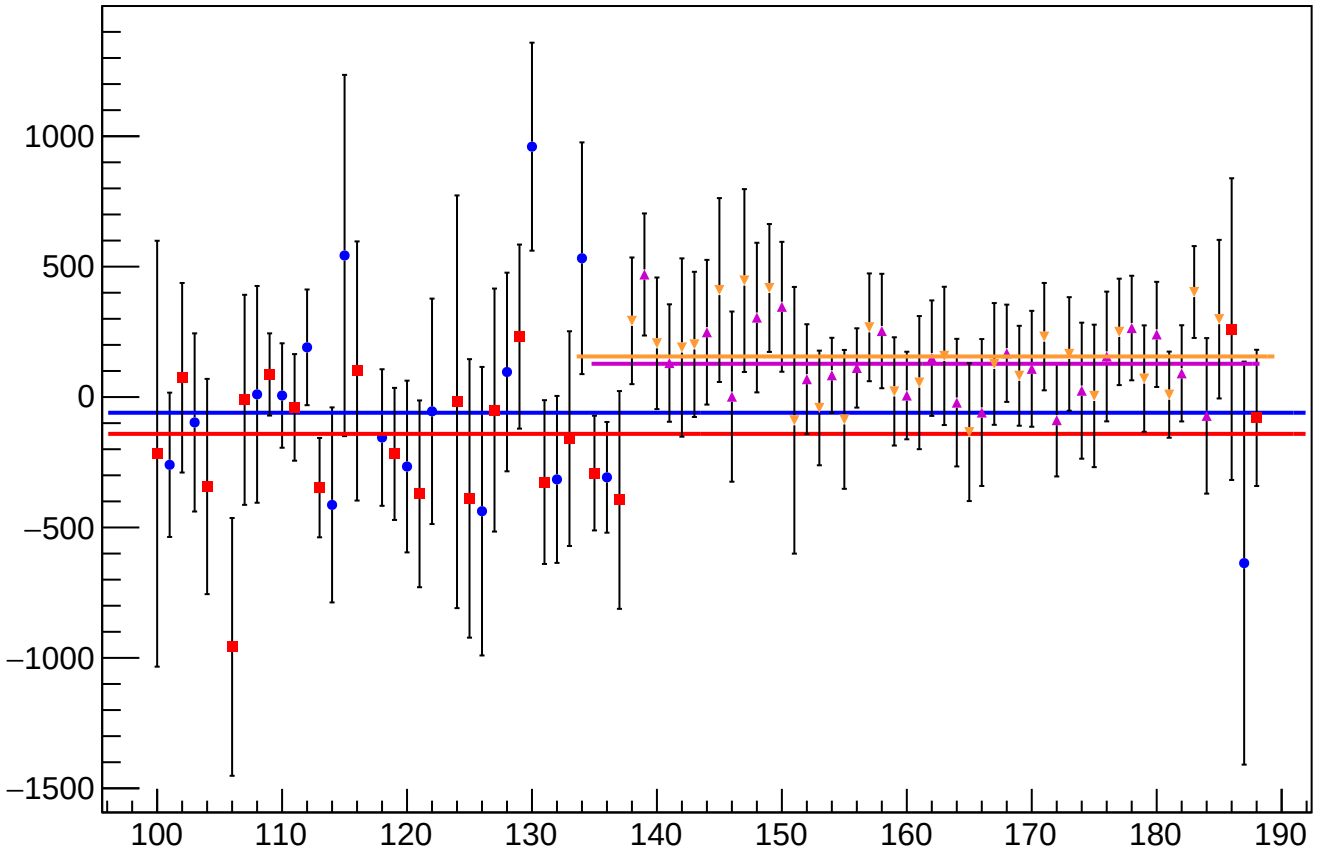
Left: 193.854+/-0.023 χ^2/NDF: 3326661.1/47

Right: 195.291+/-0.036 χ^2/NDF: 2806938.1/37

In: 190.130+/-0.028 χ^2/NDF:2536069.6/39

Out: 198.394+/-0.028 χ^2/NDF:3554086.7/45

All: 194.268+/-0.020 χ^2/NDF: 6134704.8/85



Right In: -60.124+/-77.552 χ^2/NDF: 15.6/16

Left Out: 155.646+/-47.263 χ^2/NDF:10.7/24

Right Out: -141.104+/-67.069 χ^2/NDF: 10.8/20

Left In: 127.660+/-44.698 χ^2/NDF:8.0/22

Left: 140.872+/-32.475 χ^2/NDF: 18.8/47

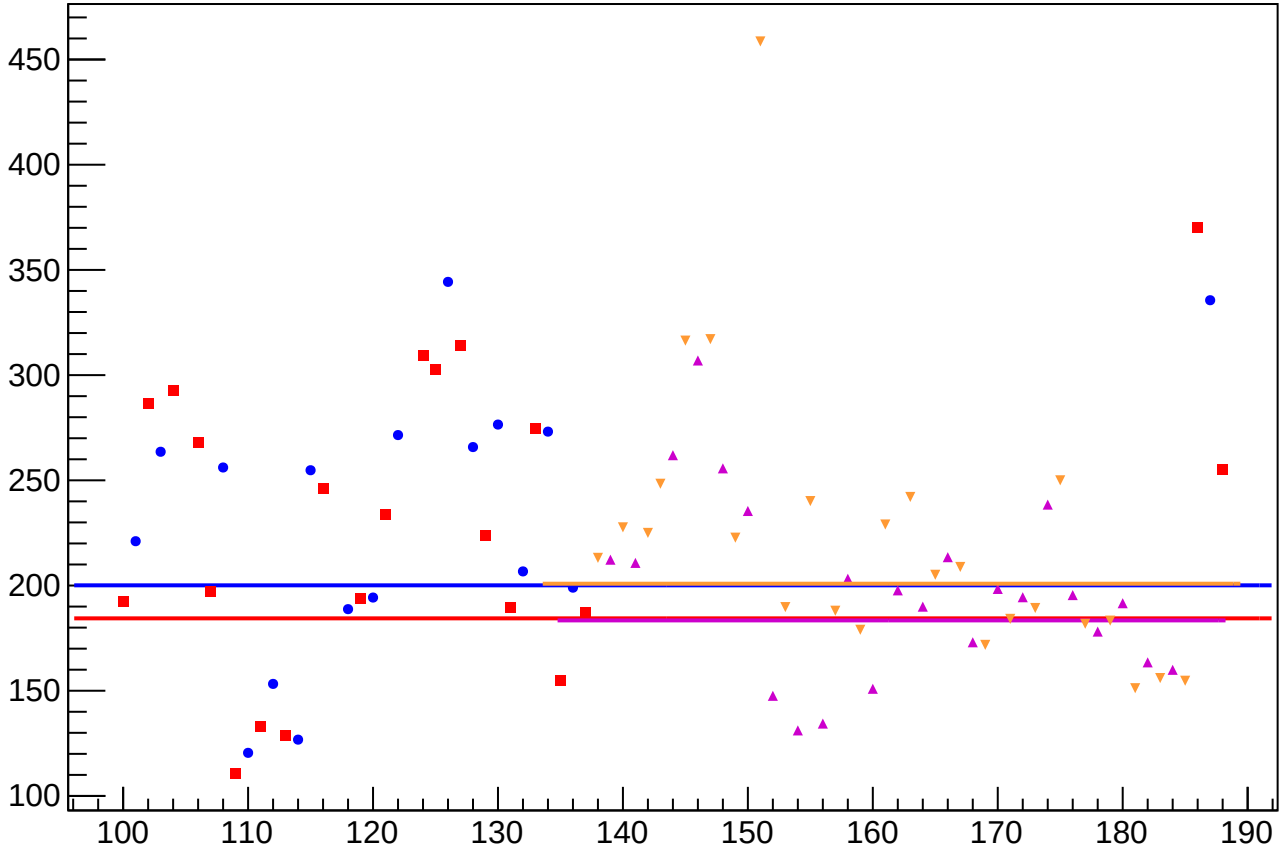
Right: -106.453+/-50.730 χ^2/NDF: 27.1/37

In: 80.835+/-38.726 χ^2/NDF:28.0/39

Out: 57.180+/-38.634 χ^2/NDF:34.5/45

All: 68.979+/-27.351 χ^2/NDF: 62.7/85

asym_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 200.098+/-0.055 χ^2/NDF: 1056224.8/16

Left Out: 200.865+/-0.033 χ^2/NDF:1727404.3/24

Right Out: 184.401+/-0.047 χ^2/NDF: 1973394.7/20

Left In: 183.433+/-0.032 χ^2/NDF:1530678.8/22

Left: 191.663+/-0.023 χ^2/NDF: 3401689.7/47

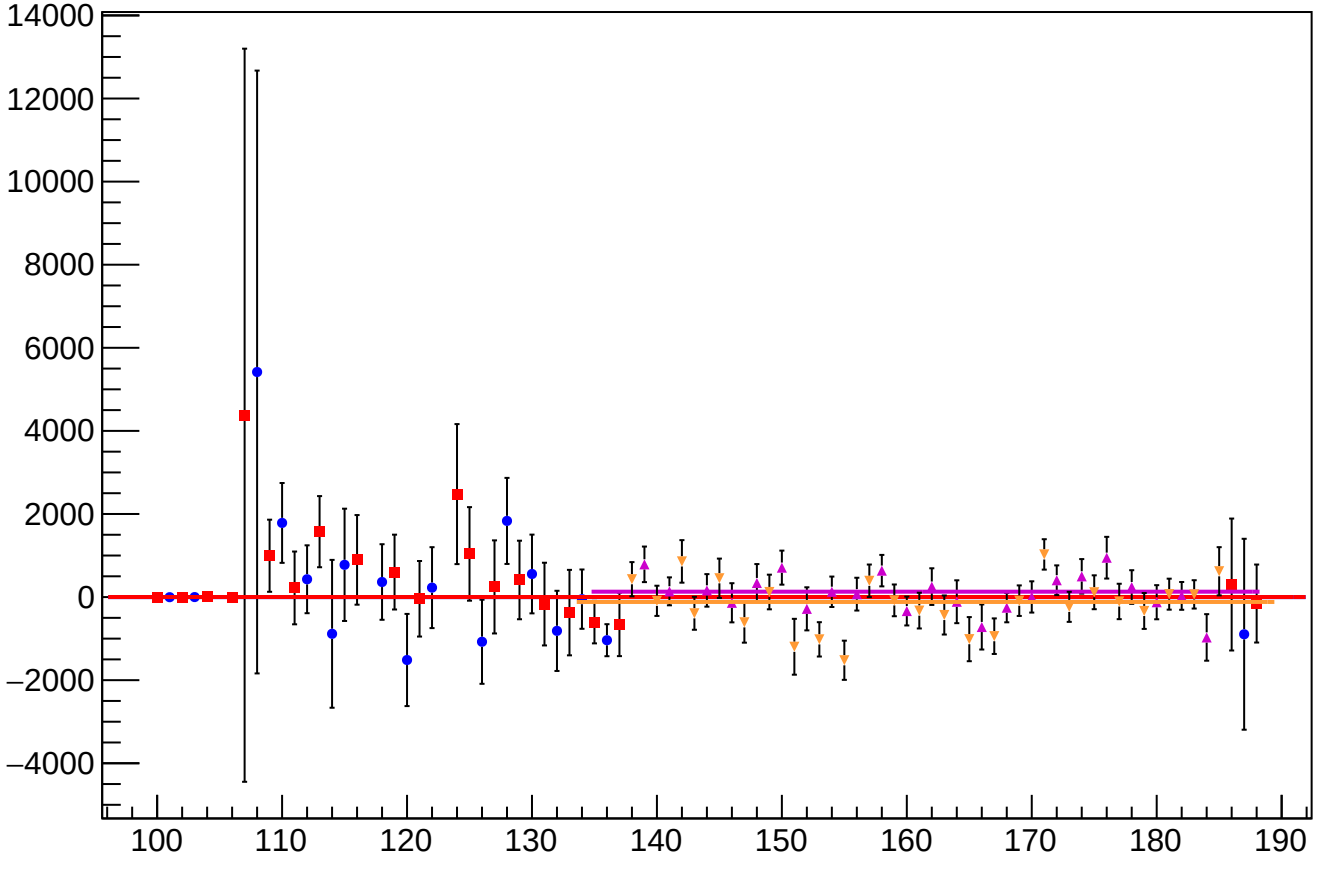
Right: 191.118+/-0.036 χ^2/NDF: 3076495.3/37

In: 187.589+/-0.027 χ^2/NDF:2656224.5/39

Out: 195.402+/-0.027 χ^2/NDF:3781324.6/45

All: 191.505+/-0.019 χ^2/NDF: 6478349.1/85

asym_cav4bQ_mean vs Slug, Sign Corrected



Right In: -1.240+/-2.171 χ^2/NDF: 20.1/16

Left Out: -117.658+/-84.207 χ^2/NDF:46.4/24

Right Out: 1.377+/-2.022 χ^2/NDF: 16.9/20

Left In: 129.738+/-85.075 χ^2/NDF:21.7/22

Left: 4.773+/-59.848 χ^2/NDF: 72.3/47

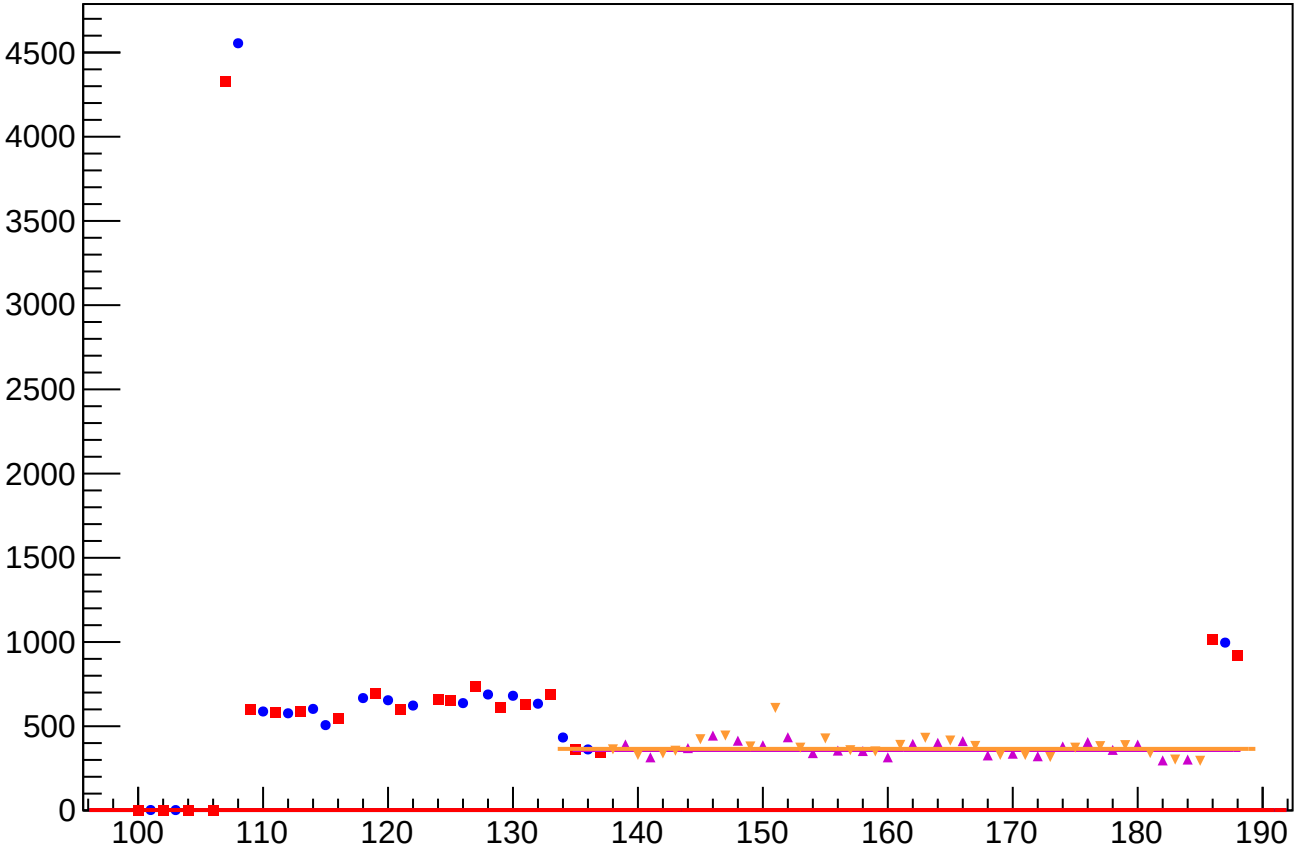
Right: 0.161+/-1.480 χ^2/NDF: 37.8/37

In: -1.154+/-2.170 χ^2/NDF:44.1/39

Out: 1.308+/-2.022 χ^2/NDF:65.3/45

All: 0.164+/-1.479 χ^2/NDF: 110.1/85

asym_cav4bQ_rms vs Slug, Sign Corrected



Right In: 2.478+/-0.002 χ^2/NDF: 12000454.3/16

Left Out: 365.603+/-0.060 χ^2/NDF:668124.0/24

Right Out: 2.468+/-0.001 χ^2/NDF: 14256998.2/20

Left In: 359.024+/-0.060 χ^2/NDF:446263.1/22

Left: 362.347+/-0.042 χ^2/NDF: 1120429.0/47

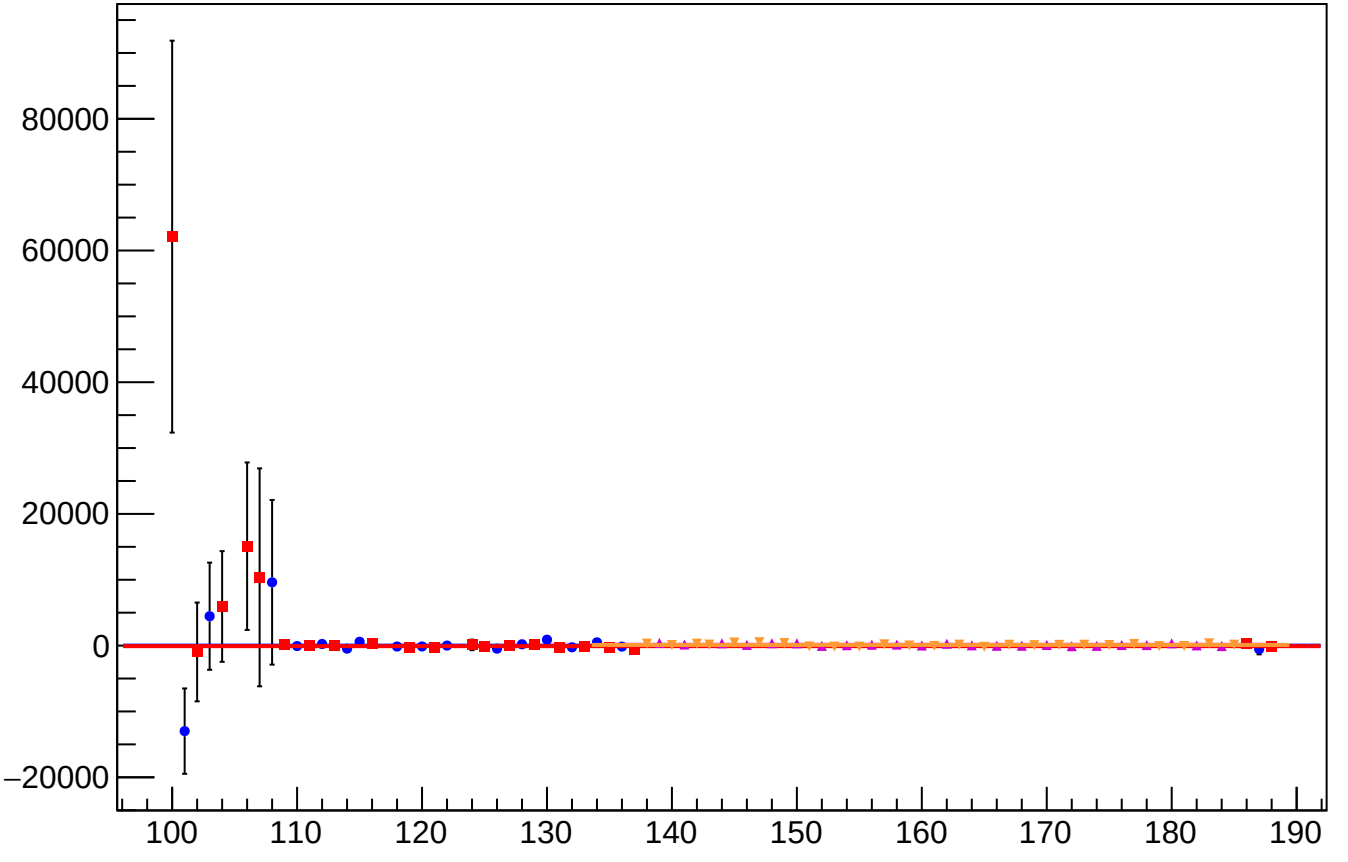
Right: 2.473+/-0.001 χ^2/NDF: 26257473.1/37

In: 2.710+/-0.002 χ^2/NDF:47552509.6/39

Out: 2.677+/-0.001 χ^2/NDF:52096963.8/45

All: 2.692+/-0.001 χ^2/NDF: 99649709.0/85

asym_cav4cQ_mean vs Slug, Sign Corrected



Right In: -6.198+/-87.277 χ^2/NDF: 17.3/16

Left Out: 99.601+/-48.250 χ^2/NDF:12.7/24

Right Out: -83.272+/-77.335 χ^2/NDF: 15.4/20

Left In: 119.345+/-46.957 χ^2/NDF:9.3/22

Left: 109.741+/-33.651 χ^2/NDF: 22.1/47

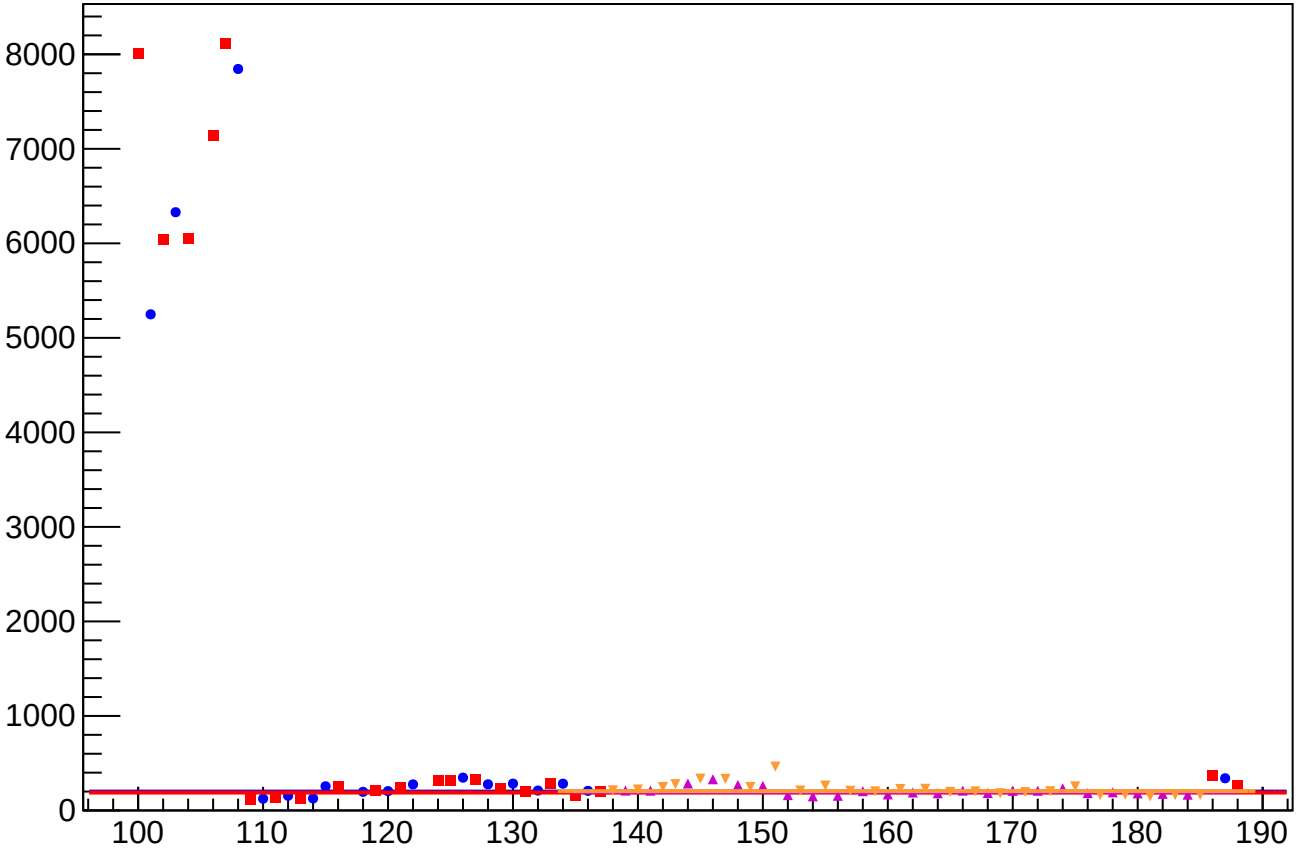
Right: -49.373+/-57.881 χ^2/NDF: 33.2/37

In: 91.162+/-41.352 χ^2/NDF:28.2/39

Out: 48.362+/-40.936 χ^2/NDF:32.2/45

All: 69.546+/-29.092 χ^2/NDF: 60.9/85

asym_cav4cQ_rms vs Slug, Sign Corrected



Right In: 199.392+/-0.062 χ^2/NDF: 4022867.9/16

Left Out: 204.581+/-0.034 χ^2/NDF:1975114.7/24

Right Out: 189.487+/-0.055 χ^2/NDF: 4787301.1/20

Left In: 193.895+/-0.033 χ^2/NDF:1191589.3/22

Left: 199.093+/-0.024 χ^2/NDF: 3217084.5/47

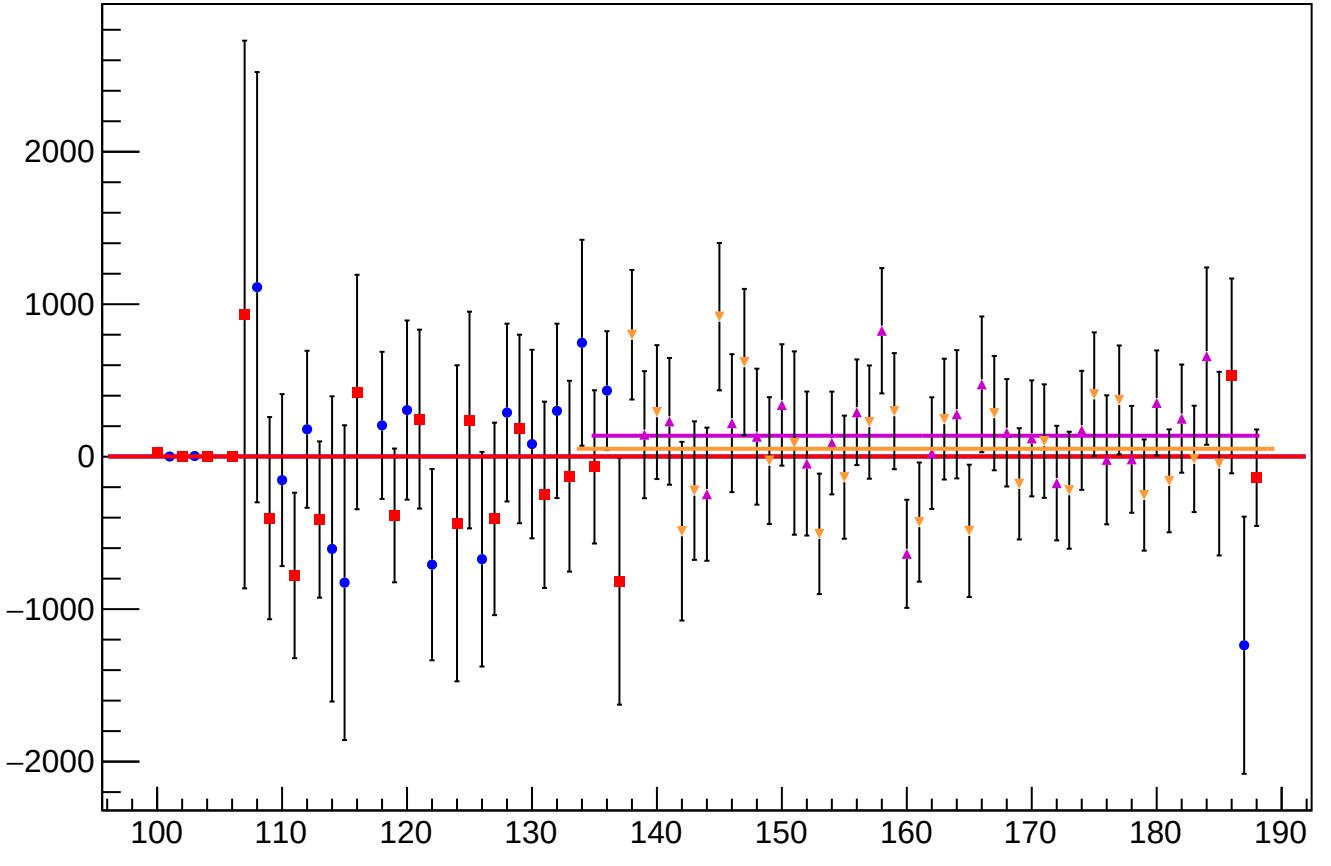
Right: 193.843+/-0.041 χ^2/NDF: 8824598.0/37

In: 195.129+/-0.029 χ^2/NDF:5220608.7/39

Out: 200.352+/-0.029 χ^2/NDF:6817257.3/45

All: 197.767+/-0.021 χ^2/NDF: 12053978.8/85

asym_cav4dQ_mean vs Slug, Sign Corrected



Right In: 1.451+/-1.660 χ^2/NDF: 10.0/16

Left Out: 51.829+/-81.555 χ^2/NDF:19.4/24

Right Out: 1.093+/-1.528 χ^2/NDF: 10.0/20

Left In: 137.399+/-82.111 χ^2/NDF:12.2/22

Left: 94.324+/-57.864 χ^2/NDF: 32.2/47

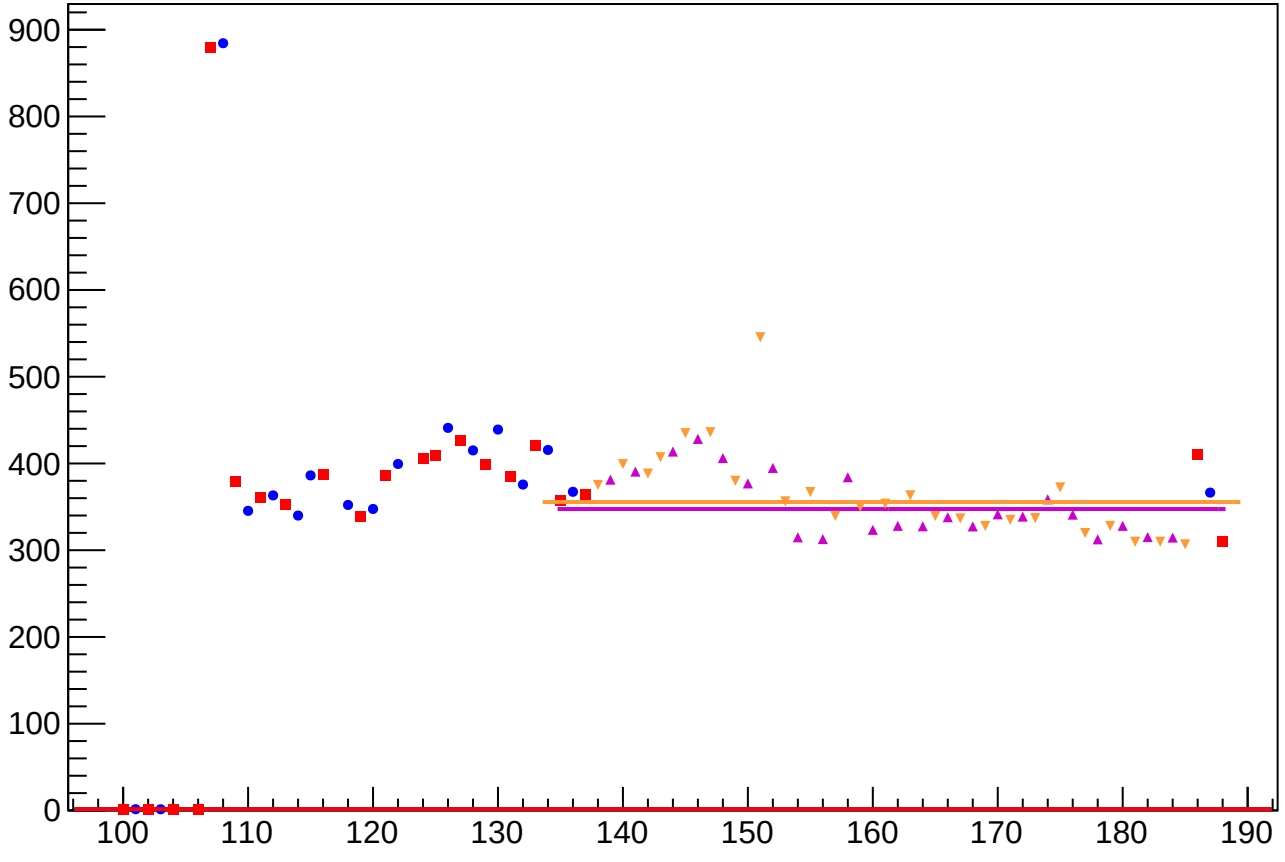
Right: 1.257+/-1.124 χ^2/NDF: 20.1/37

In: 1.506+/-1.660 χ^2/NDF:24.9/39

Out: 1.111+/-1.528 χ^2/NDF:29.9/45

All: 1.292+/-1.124 χ^2/NDF: 54.8/85

asym_cav4dQ_rms vs Slug, Sign Corrected



Right In: 1.472+/-0.001 χ^2/NDF: 12109897.2/16

Left Out: 355.535+/-0.058 χ^2/NDF:528878.5/24

Right Out: 1.477+/-0.001 χ^2/NDF: 13988846.4/20

Left In: 347.484+/-0.058 χ^2/NDF:344530.3/22

Left: 351.537+/-0.041 χ^2/NDF: 883088.0/47

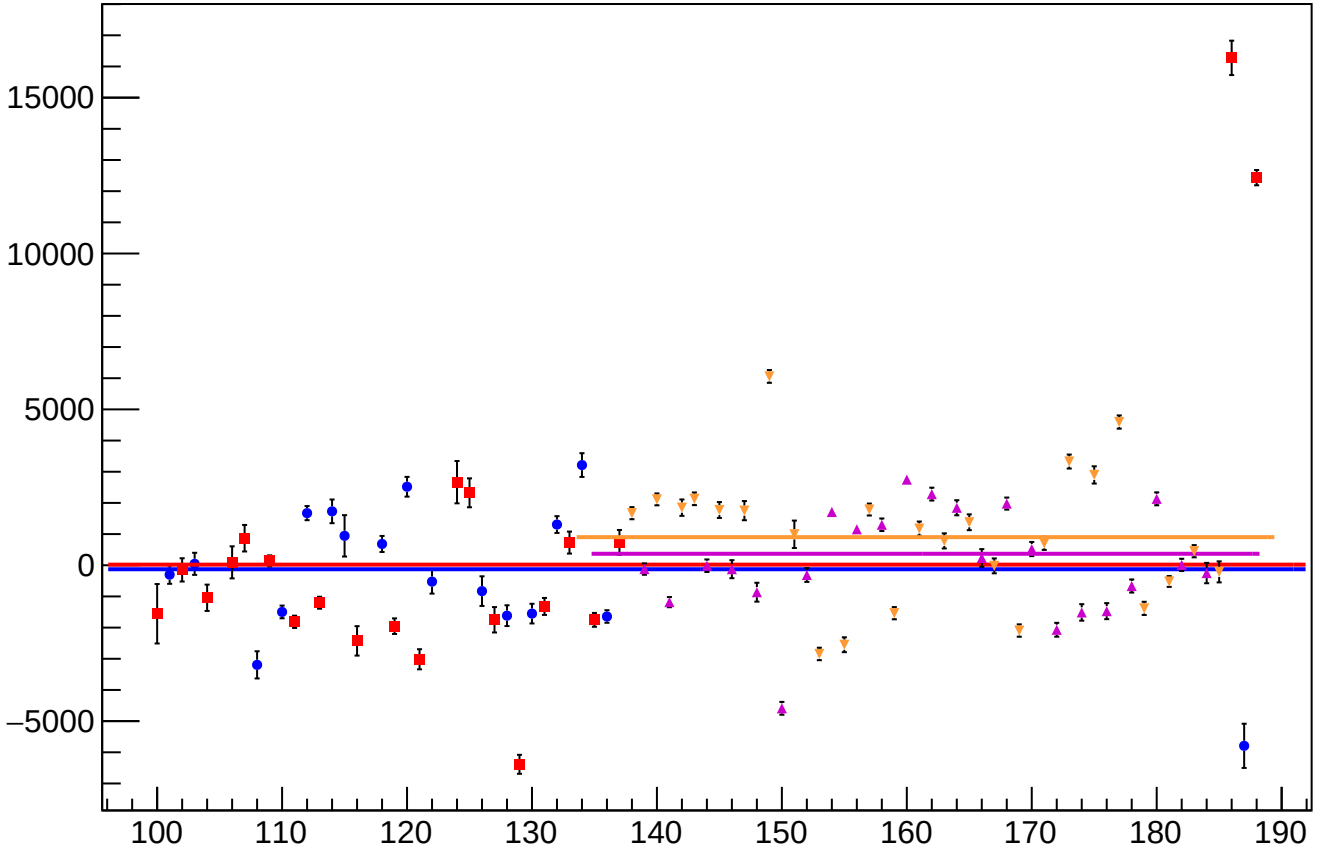
Right: 1.474+/-0.001 χ^2/NDF: 26098753.8/37

In: 1.613+/-0.001 χ^2/NDF:47954881.6/39

Out: 1.601+/-0.001 χ^2/NDF:52199115.4/45

All: 1.606+/-0.001 χ^2/NDF: 100154054.7/85

asym_bcm0l02_mean vs Slug, Sign Corrected



Right In: -128.154+/-74.481 χ^2/NDF: 534.0/16

Left Out: 901.476+/-44.481 χ^2/NDF:2411.0/24

Right Out: 19.627+/-65.965 χ^2/NDF: 4345.9/20

Left In: 368.252+/-42.700 χ^2/NDF:1593.0/22

Left: 623.972+/-30.804 χ^2/NDF: 4078.7/47

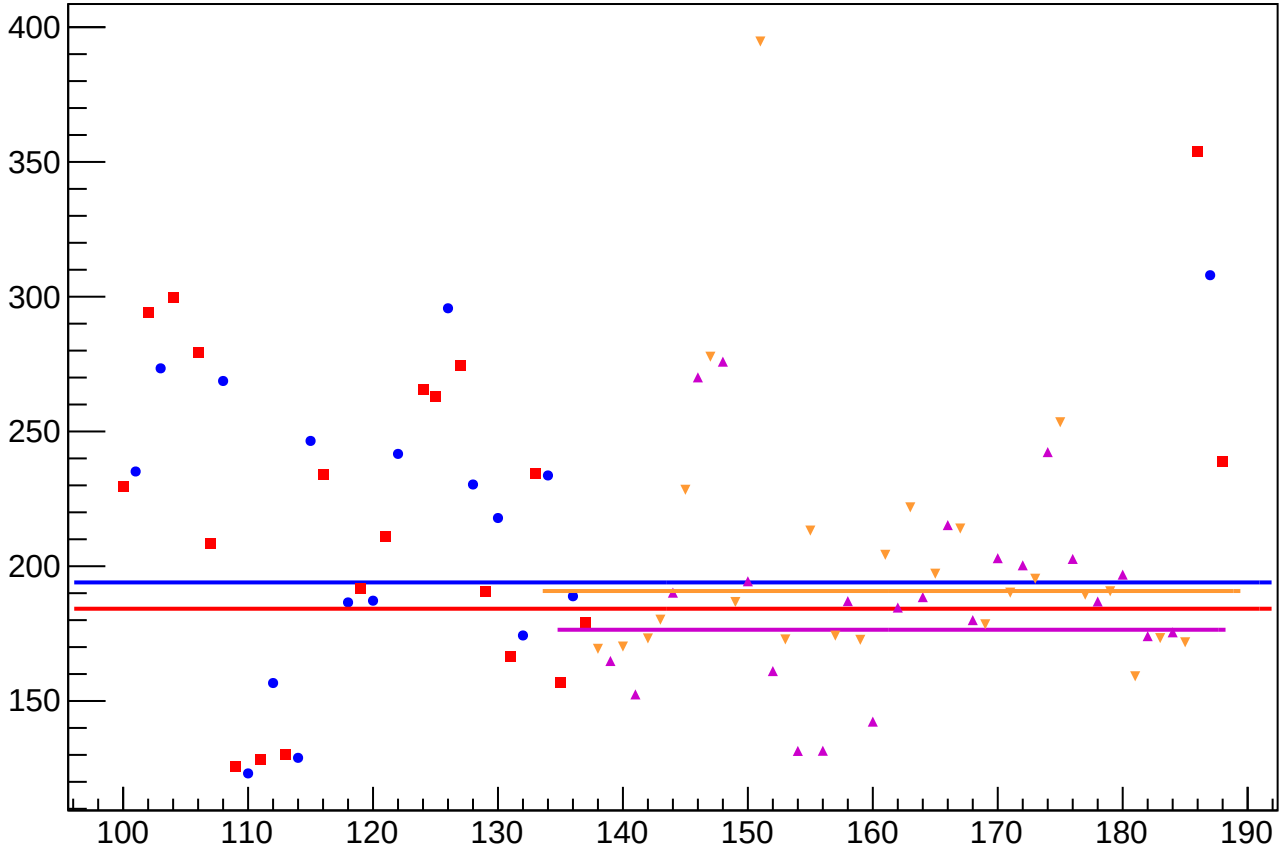
Right: -45.336+/-49.382 χ^2/NDF: 4882.1/37

In: 245.458+/-37.044 χ^2/NDF:2160.4/39

Out: 625.835+/-36.880 χ^2/NDF:6879.7/45

All: 436.490+/-26.136 χ^2/NDF: 9093.1/85

asym_bcm0l02_rms vs Slug, Sign Corrected



Right In: 193.990+/-0.053 χ^2/NDF: 811379.1/16

Left Out: 190.801+/-0.031 χ^2/NDF:1019598.1/24

Right Out: 184.230+/-0.047 χ^2/NDF: 1534662.9/20

Left In: 176.431+/-0.030 χ^2/NDF:1257661.0/22

Left: 183.323+/-0.022 χ^2/NDF: 2385884.9/47

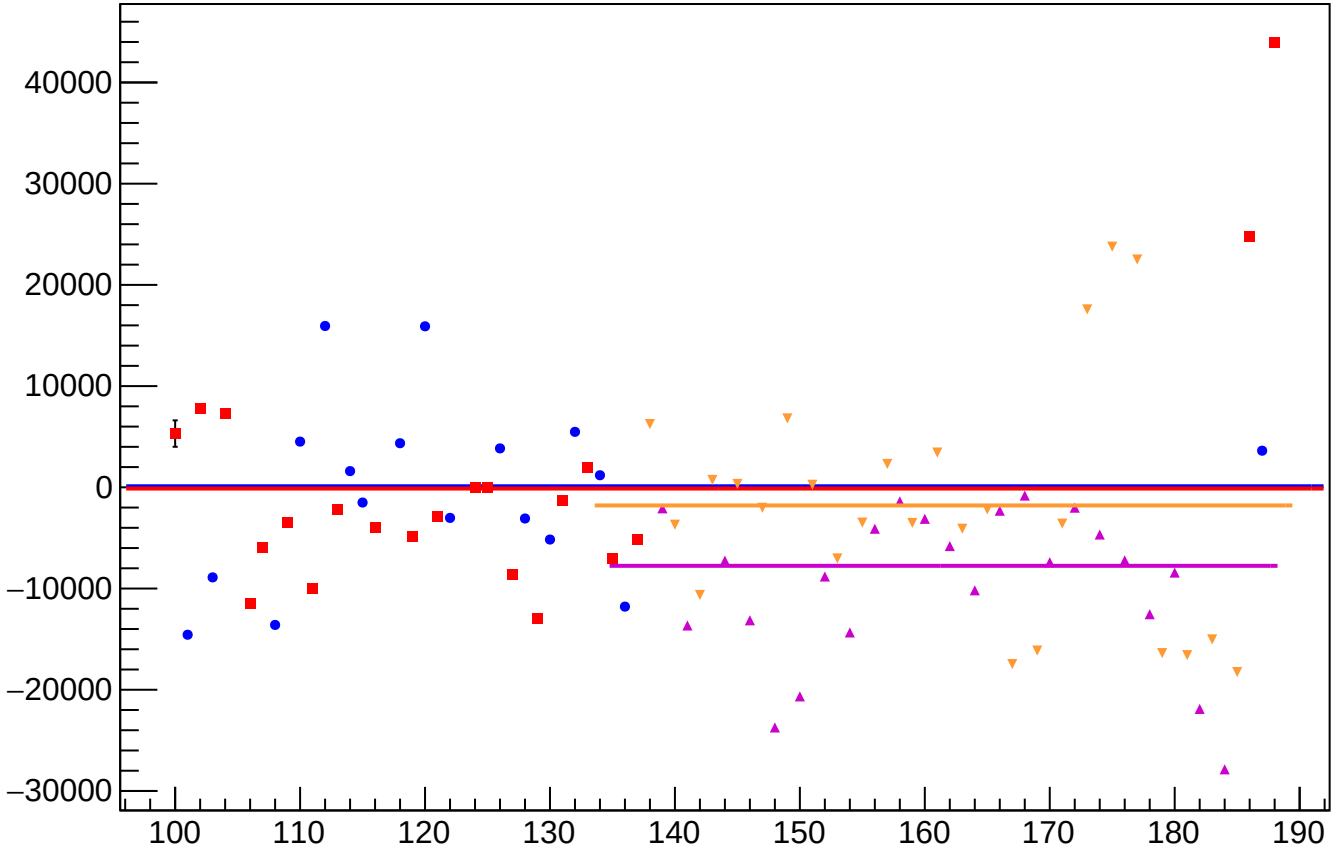
Right: 188.521+/-0.035 χ^2/NDF: 2365287.6/37

In: 180.775+/-0.026 χ^2/NDF:2152699.3/39

Out: 188.747+/-0.026 χ^2/NDF:2567902.2/45

All: 184.779+/-0.018 χ^2/NDF: 4767124.8/85

asym_bpm0i02WS_mean vs Slug, Sign Corrected



Right In: 103.776+/-53.721 χ^2/NDF: 30862.9/16

Left Out: -1790.289+/-40.910 χ^2/NDF:65745.9/24

Right Out: -120.233+/-49.253 χ^2/NDF: 83613.3/20

Left In: -7754.468+/-42.571 χ^2/NDF:23278.0/22

Left: -4653.749+/-29.498 χ^2/NDF: 99228.2/47

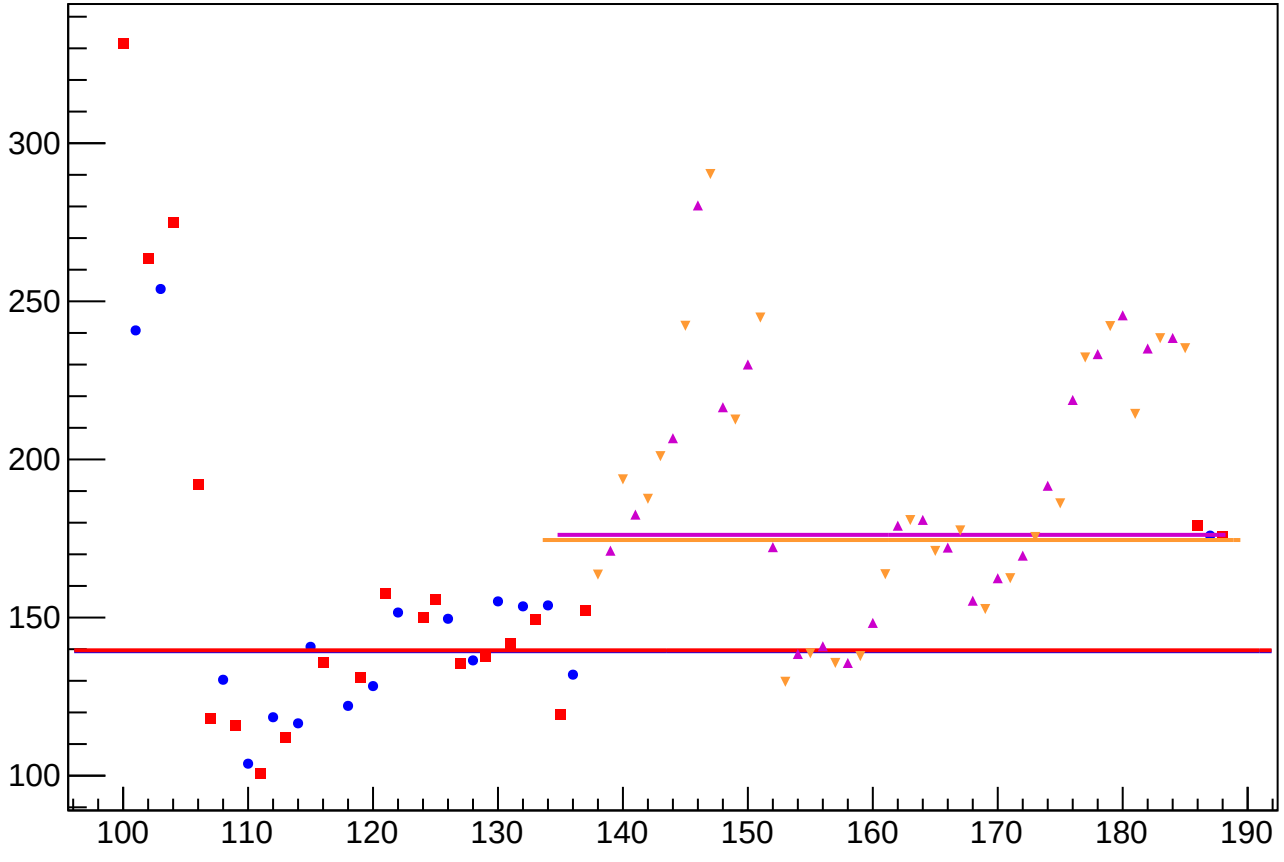
Right: -17.929+/-36.304 χ^2/NDF: 114485.7/37

In: -4723.202+/-33.365 χ^2/NDF:67284.7/39

Out: -1108.487+/-31.470 χ^2/NDF:150039.6/45

All: -2810.294+/-22.893 χ^2/NDF: 223535.6/8

asym_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 139.365+/-0.038 χ^2/NDF: 674344.4/16

Left Out: 174.520+/-0.029 χ^2/NDF:1659469.6/24

Right Out: 139.640+/-0.035 χ^2/NDF: 1024339.2/20

Left In: 176.155+/-0.030 χ^2/NDF:1367059.2/22

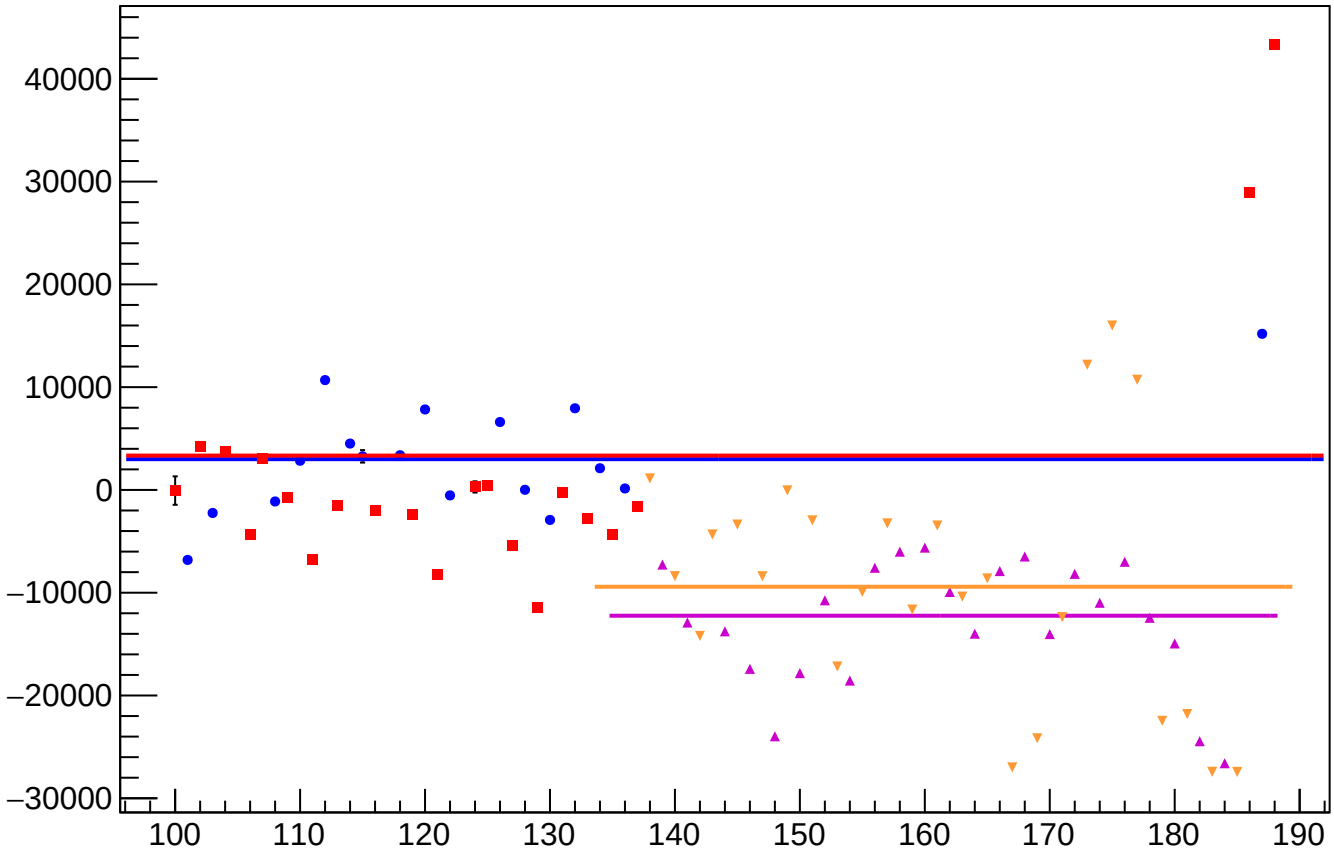
Left: 175.305+/-0.021 χ^2/NDF: 3028060.8/47

Right: 139.515+/-0.026 χ^2/NDF: 1698712.0/37

In: 161.963+/-0.024 χ^2/NDF:2617554.9/39

Out: 160.280+/-0.022 χ^2/NDF:3277366.7/45

All: 161.073+/-0.016 χ^2/NDF: 5897614.2/85



Right In: 2992.782+/-68.485 χ^2/NDF: 4838.9/16

Left Out: -9420.181+/-45.698 χ^2/NDF:64719.0/24

Right Out: 3342.430+/-60.130 χ^2/NDF: 68555.9/20

Left In: -12238.678+/-44.195 χ^2/NDF:16015.8/22

Left: -10876.538+/-31.769 χ^2/NDF: 82700.4/47

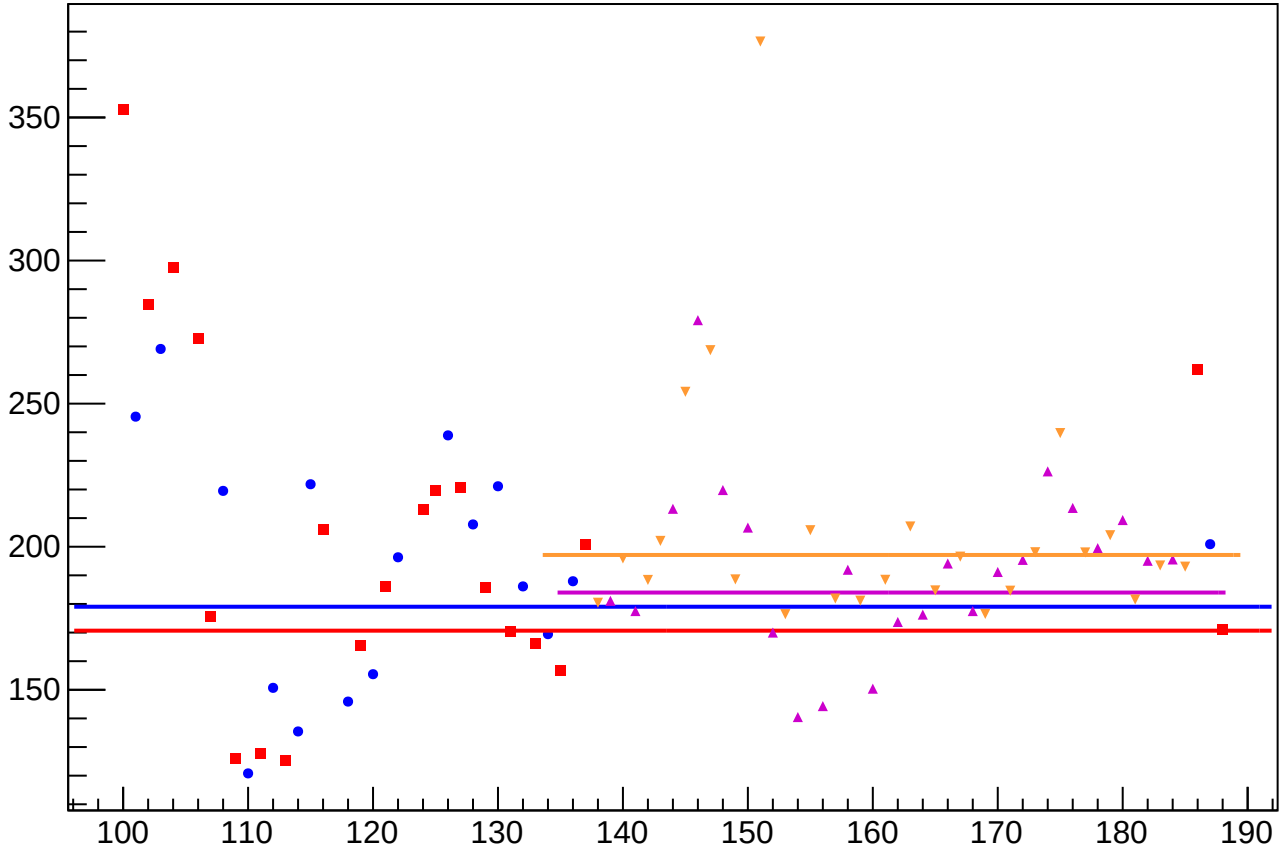
Right: 3190.224+/-45.185 χ^2/NDF: 73409.5/37

In: -7760.528+/-37.134 χ^2/NDF:55776.2/39

Out: -4747.587+/-36.383 χ^2/NDF:161831.4/45

All: -6223.286+/-25.988 χ^2/NDF: 220966.4/8

asym_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 179.030+/-0.048 χ^2/NDF: 679126.7/16

Left Out: 197.122+/-0.032 χ^2/NDF:732529.8/24

Right Out: 170.667+/-0.043 χ^2/NDF: 1081576.3/20

Left In: 183.985+/-0.031 χ^2/NDF:829778.1/22

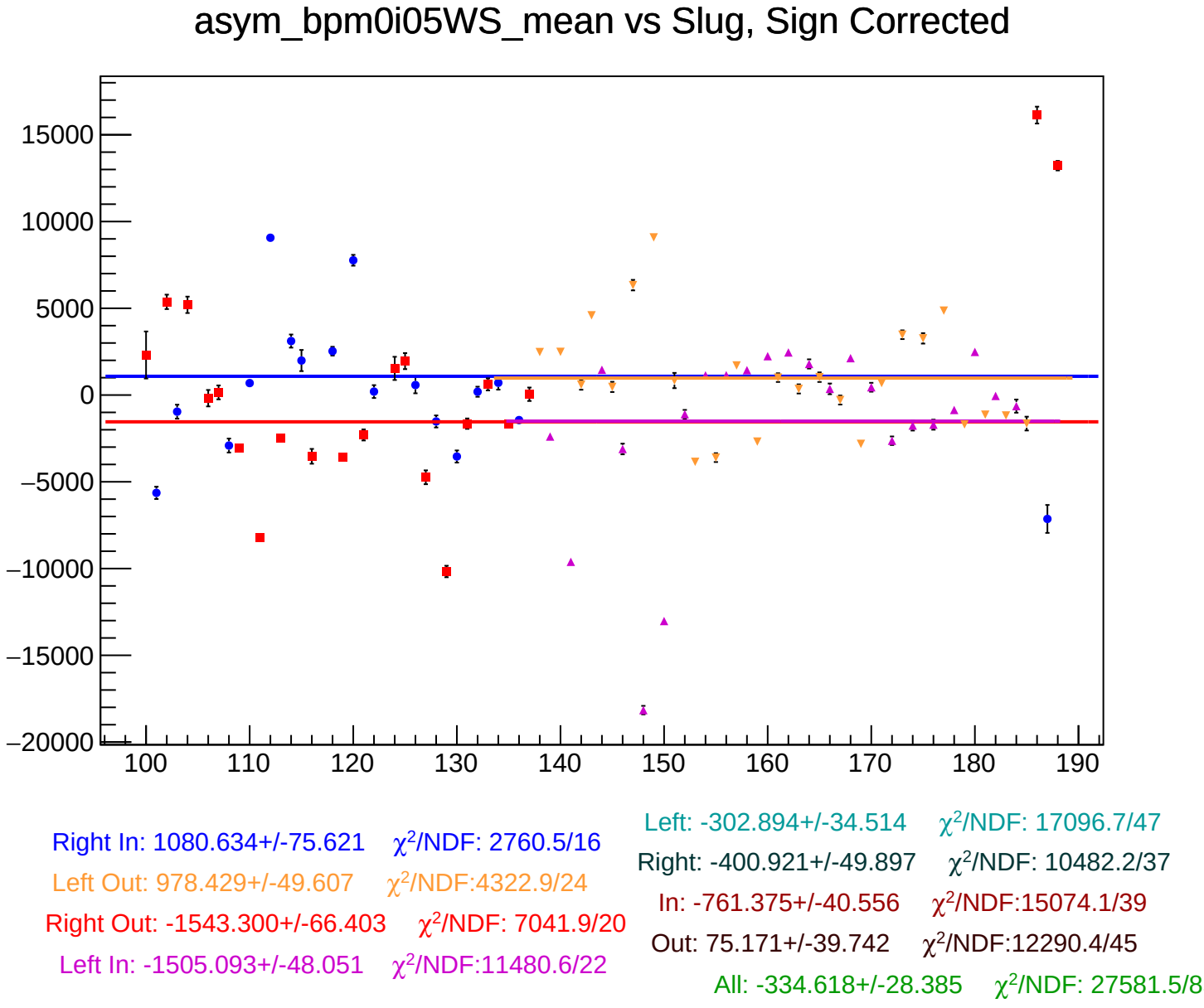
Left: 190.334+/-0.022 χ^2/NDF: 1647711.2/47

Right: 174.307+/-0.032 χ^2/NDF: 1777545.8/37

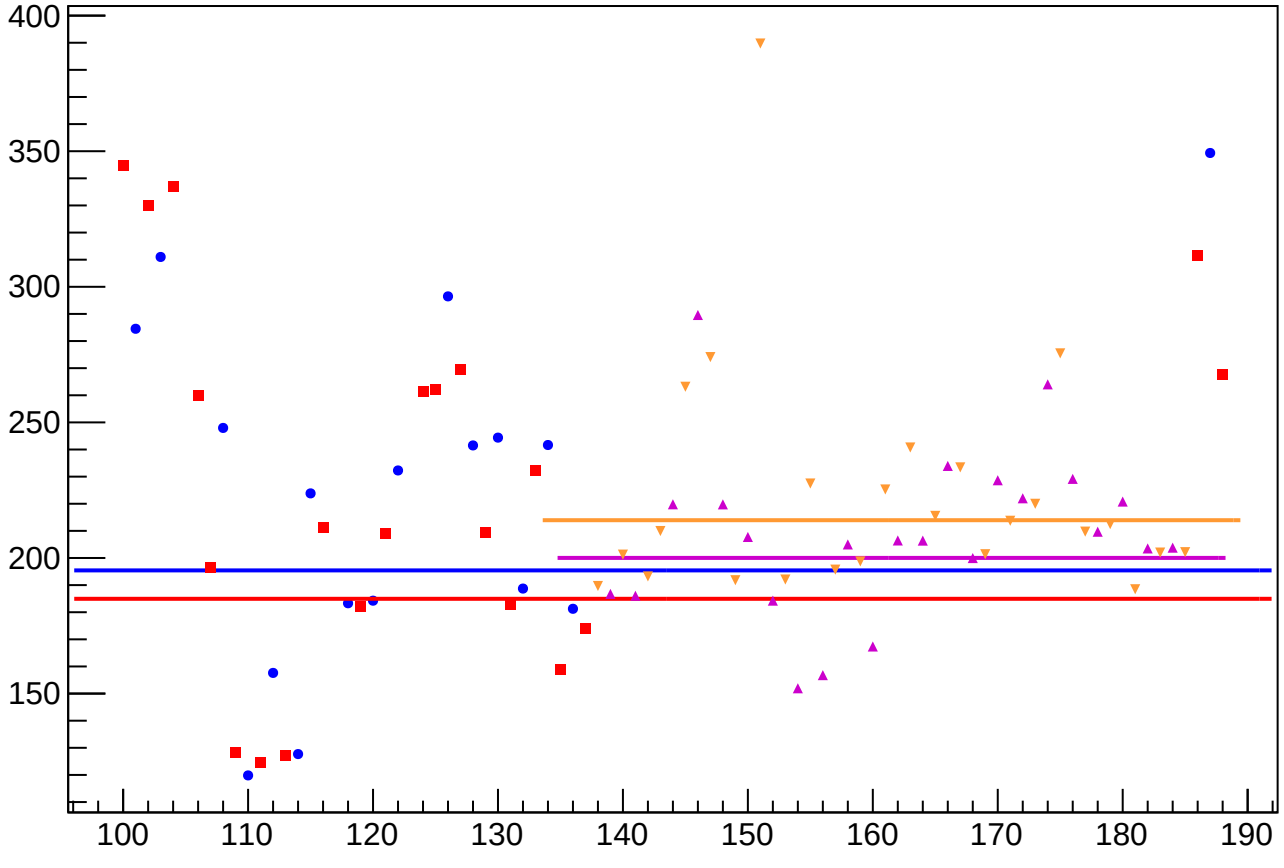
In: 182.529+/-0.026 χ^2/NDF:1516296.9/39

Out: 187.437+/-0.026 χ^2/NDF:2059514.5/45

All: 185.033+/-0.018 χ^2/NDF: 3593636.9/85


asym_bpm0i05WS_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
170
180
190
Right In: 1080.634+/-75.621 χ²/NDF: 2760.5/16
Left Out: 978.429+/-49.607 χ²/NDF:4322.9/24
Right Out: -1543.300+/-66.403 χ²/NDF: 7041.9/20
Left In: -1505.093+/-48.051 χ²/NDF:11480.6/22
Left: -302.894+/-34.514 χ²/NDF: 17096.7/47
Right: -400.921+/-49.897 χ²/NDF: 10482.2/37
In: -761.375+/-40.556 χ²/NDF:15074.1/39
Out: 75.171+/-39.742 χ²/NDF:12290.4/45
All: -334.618+/-28.385 χ²/NDF: 27581.5/85

asym_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 195.423+/-0.053 χ^2/NDF: 1039563.9/16

Left Out: 213.931+/-0.035 χ^2/NDF:733638.6/24

Right Out: 184.947+/-0.047 χ^2/NDF: 1702628.2/20

Left In: 200.031+/-0.034 χ^2/NDF:785525.4/22

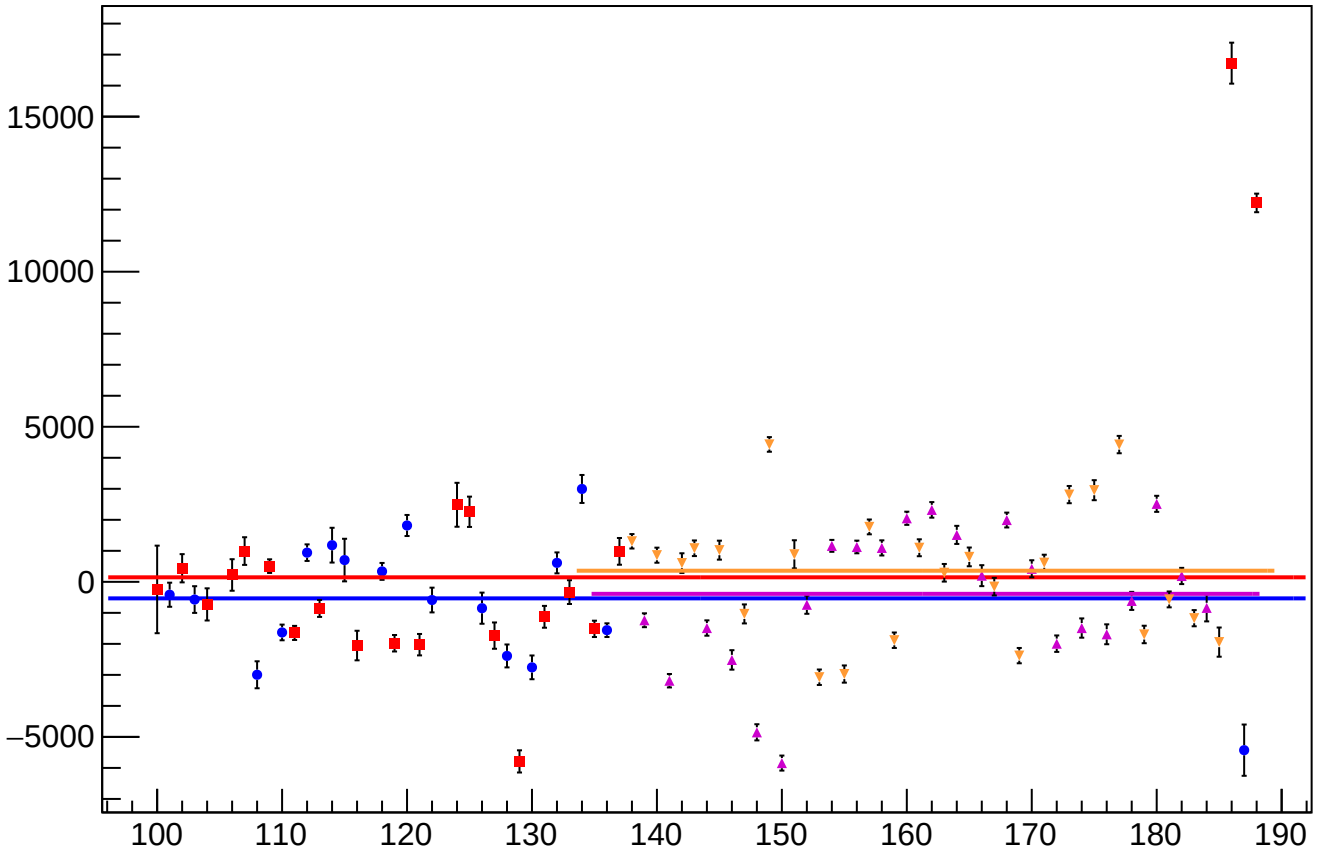
Left: 206.759+/-0.024 χ^2/NDF: 1600185.7/47

Right: 189.508+/-0.035 χ^2/NDF: 2763864.4/37

In: 198.705+/-0.029 χ^2/NDF:1830377.8/39

Out: 203.549+/-0.028 χ^2/NDF:2680818.8/45

All: 201.177+/-0.020 χ^2/NDF: 4525751.8/85



Right In: -533.128+/-86.212 χ^2/NDF: 340.9/16

Left Out: 358.680+/-54.992 χ^2/NDF:1418.9/24

Right Out: 145.786+/-77.602 χ^2/NDF: 2846.7/20

Left In: -386.941+/-53.528 χ^2/NDF:1804.2/22

Left: -24.183+/-38.357 χ^2/NDF: 3317.4/47

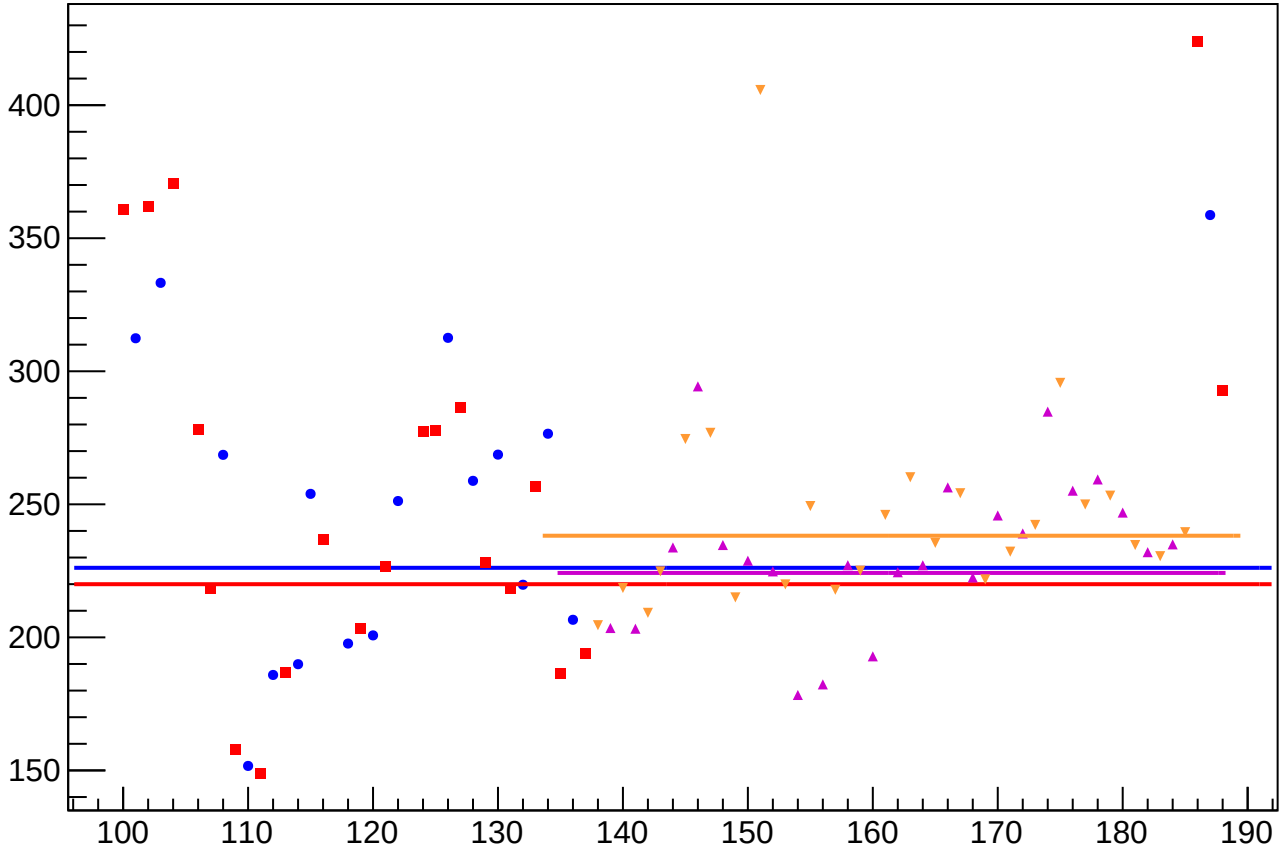
Right: -158.084+/-57.677 χ^2/NDF: 3221.9/37

In: -427.617+/-45.476 χ^2/NDF:2147.1/39

Out: 287.511+/-44.868 χ^2/NDF:4270.6/45

All: -65.243+/-31.939 χ^2/NDF: 6543.0/85

asym_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 226.141+/-0.061 χ^2/NDF: 705203.8/16

Left Out: 238.199+/-0.039 χ^2/NDF:567935.3/24

Right Out: 219.982+/-0.055 χ^2/NDF: 1263315.3/20

Left In: 224.212+/-0.038 χ^2/NDF:563231.1/22

Left: 231.017+/-0.027 χ^2/NDF: 1197606.4/47

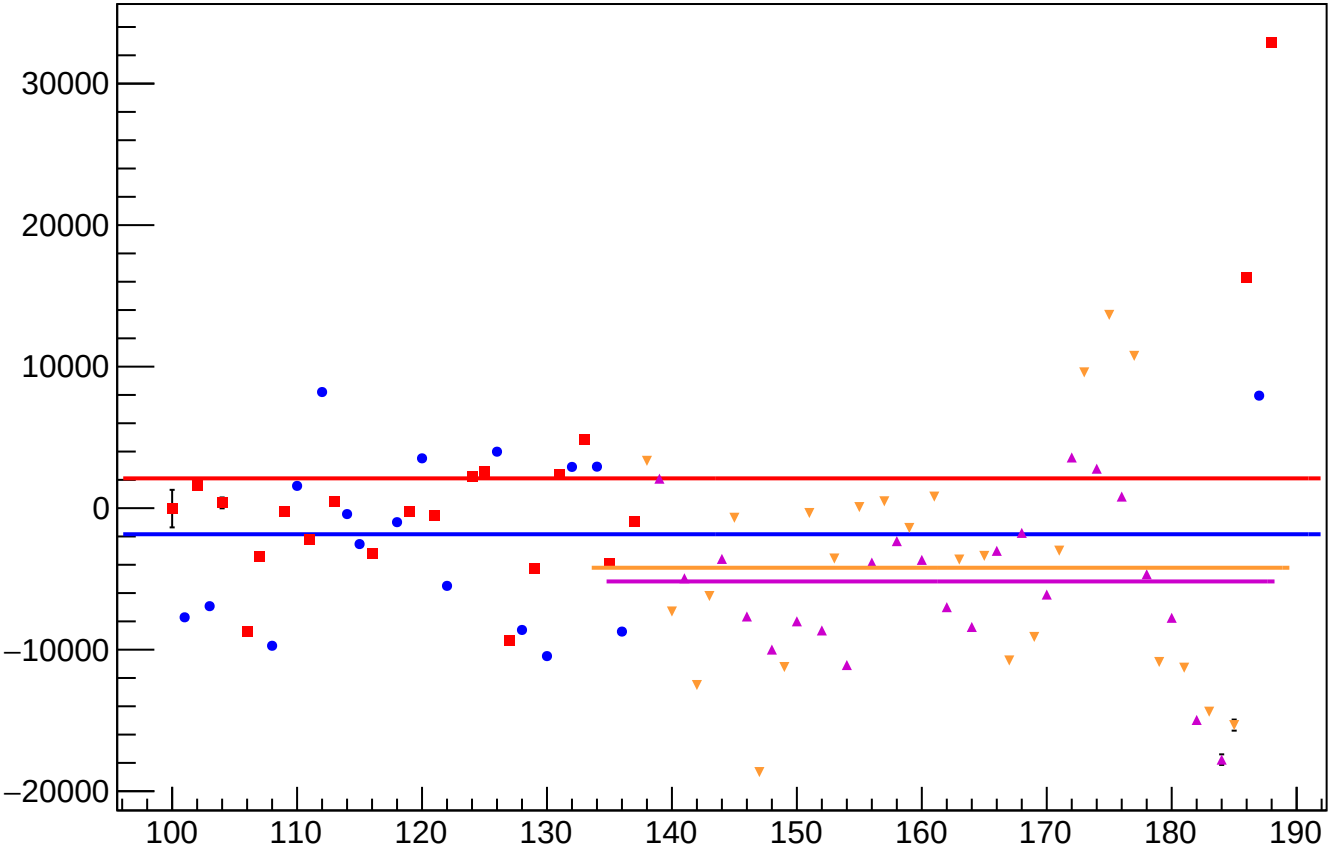
Right: 222.738+/-0.041 χ^2/NDF: 1974158.0/37

In: 224.749+/-0.032 χ^2/NDF:1269157.4/39

Out: 232.109+/-0.032 χ^2/NDF:1904626.5/45

All: 228.478+/-0.023 χ^2/NDF: 3200334.0/85

asym_bpm1i02WS_mean vs Slug, Sign Corrected



Right In: -1843.082+/-46.242 χ^2/NDF: 17644.3/16

Left Out: -4210.601+/-30.828 χ^2/NDF:56802.7/24

Right Out: 2105.336+/-41.971 χ^2/NDF: 62550.1/20

Left In: -5178.213+/-31.969 χ^2/NDF:18541.3/22

Left: -4676.831+/-22.191 χ^2/NDF: 75818.6/47

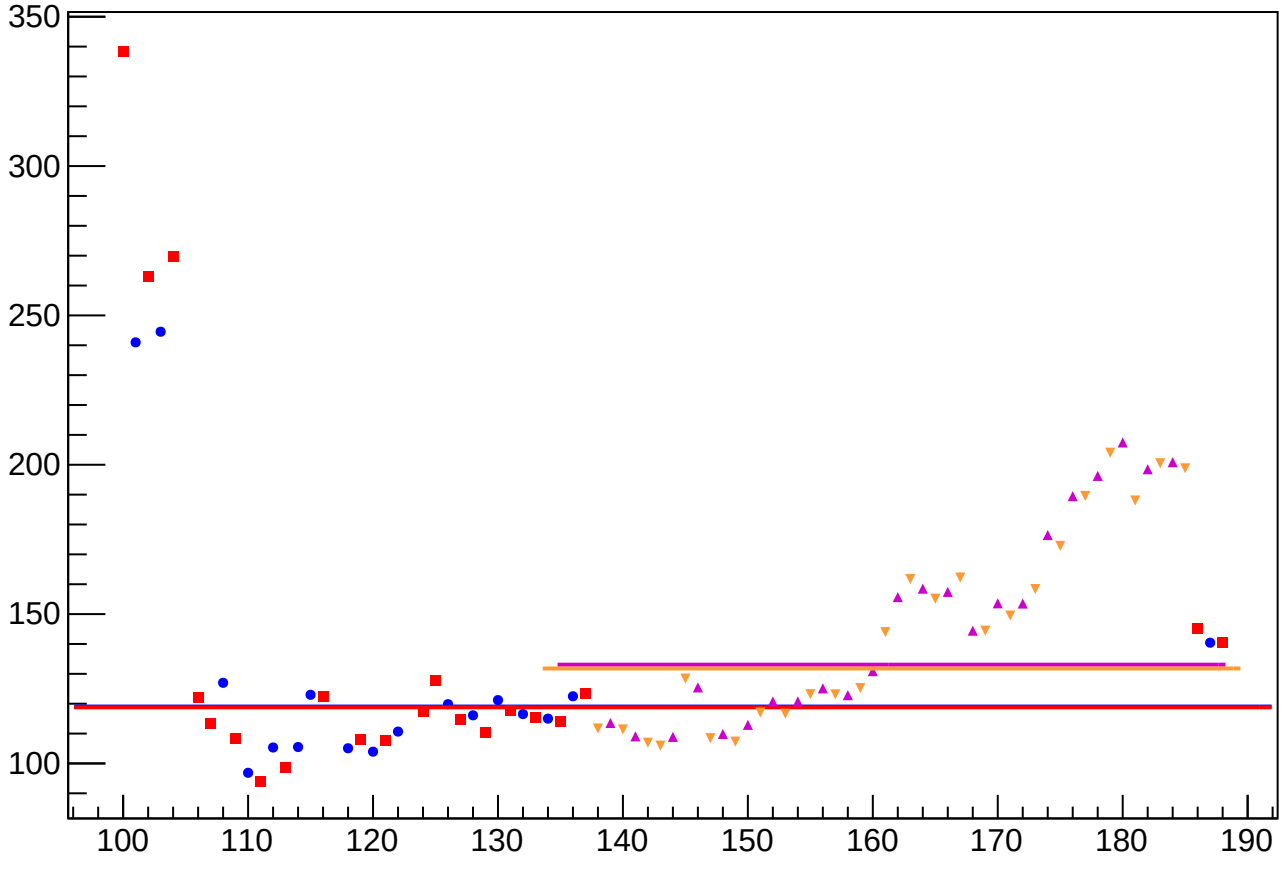
Right: 321.854+/-31.079 χ^2/NDF: 84191.9/37

In: -4099.664+/-26.297 χ^2/NDF:39705.1/39

Out: -1997.236+/-24.846 χ^2/NDF:134062.1/45

All: -2988.863+/-18.060 χ^2/NDF: 177144.3/8

asym_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 119.042+/-0.033 χ^2/NDF: 743072.6/16

Left Out: 131.798+/-0.022 χ^2/NDF:1544340.3/24

Right Out: 118.787+/-0.030 χ^2/NDF: 946626.5/20

Left In: 133.061+/-0.023 χ^2/NDF:1418252.2/22

Left: 132.406+/-0.016 χ^2/NDF: 2964211.9/47

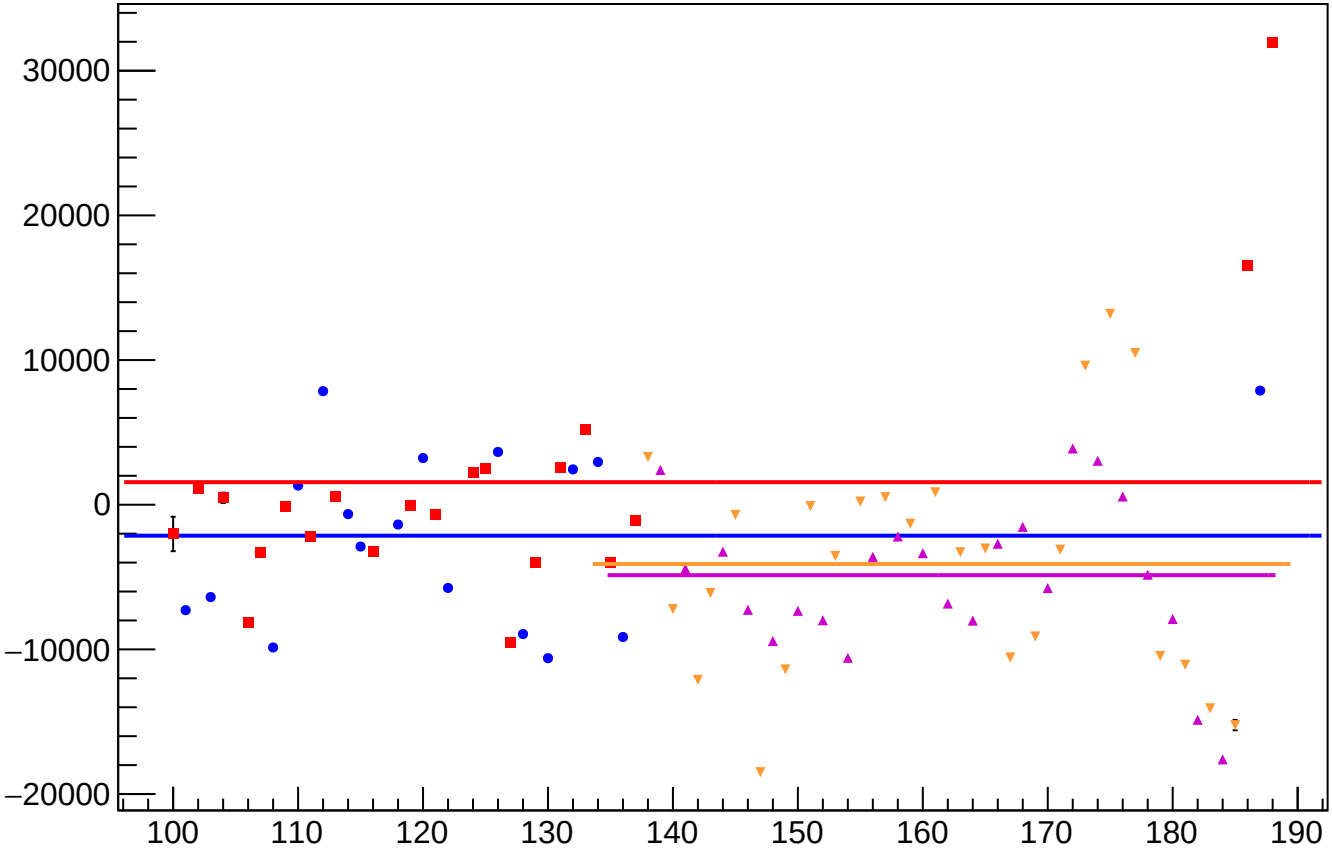
Right: 118.902+/-0.022 χ^2/NDF: 1689732.4/37

In: 128.527+/-0.019 χ^2/NDF:2285709.2/39

Out: 127.238+/-0.018 χ^2/NDF:2615806.2/45

All: 127.846+/-0.013 χ^2/NDF: 4904055.9/85

asym_bpm2i01WS_mean vs Slug, Sign Corrected



Right In: -2140.960+/-40.394 χ^2/NDF: 22722.0/16

Left Out: -4098.897+/-27.771 χ^2/NDF:66271.3/24

Right Out: 1559.413+/-37.289 χ^2/NDF: 67125.1/20

Left In: -4869.740+/-28.809 χ^2/NDF:21913.6/22

Left: -4470.191+/-19.994 χ^2/NDF: 88556.0/47

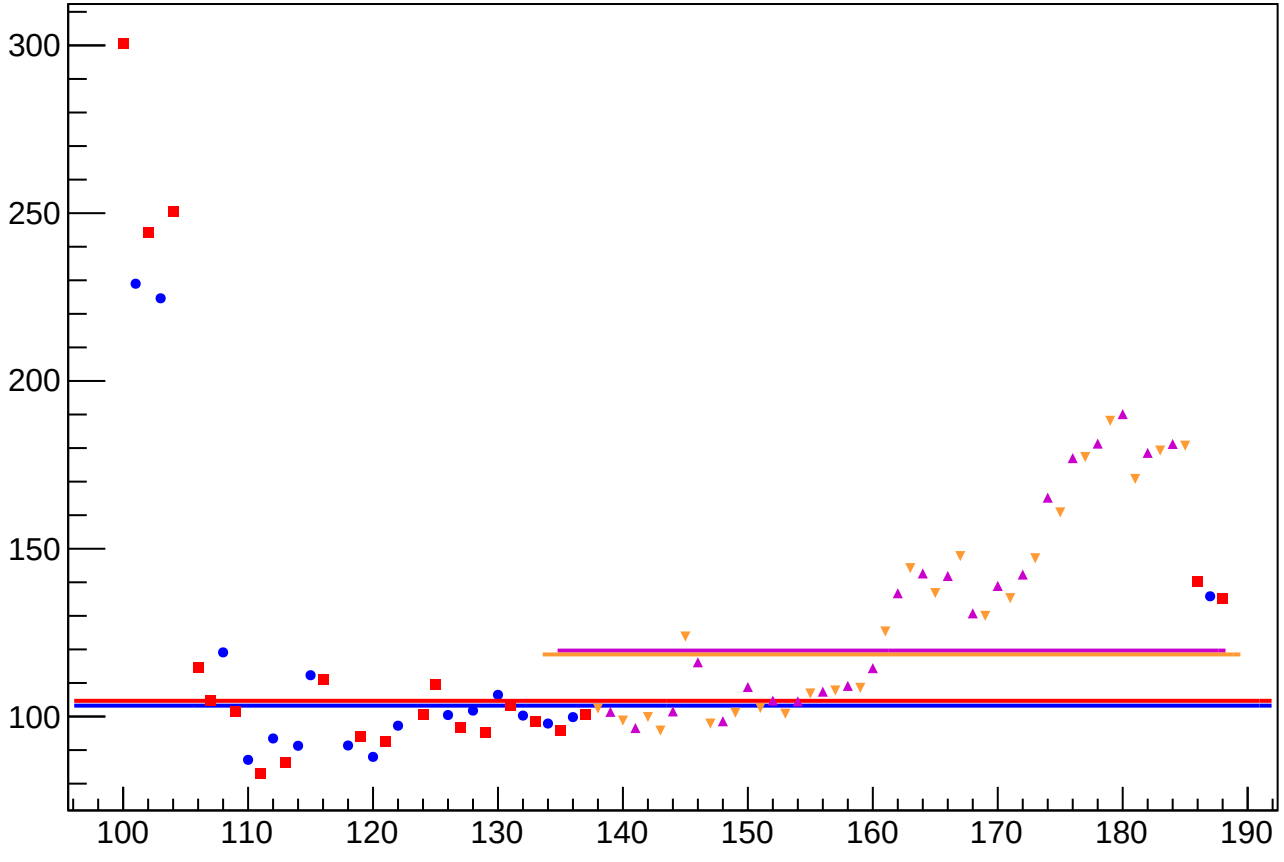
Right: -143.110+/-27.400 χ^2/NDF: 94377.8/37

In: -3949.726+/-23.455 χ^2/NDF:47660.4/39

Out: -2080.163+/-22.273 χ^2/NDF:148206.9/45

All: -2966.662+/-16.151 χ^2/NDF: 199208.2/8

asym_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 103.245+/-0.029 χ^2/NDF: 847813.6/16

Left Out: 118.502+/-0.020 χ^2/NDF:1627138.9/24

Right Out: 104.682+/-0.026 χ^2/NDF: 1097688.7/20

Left In: 119.645+/-0.020 χ^2/NDF:1512380.5/22

Left: 119.052+/-0.014 χ^2/NDF: 3141151.7/47

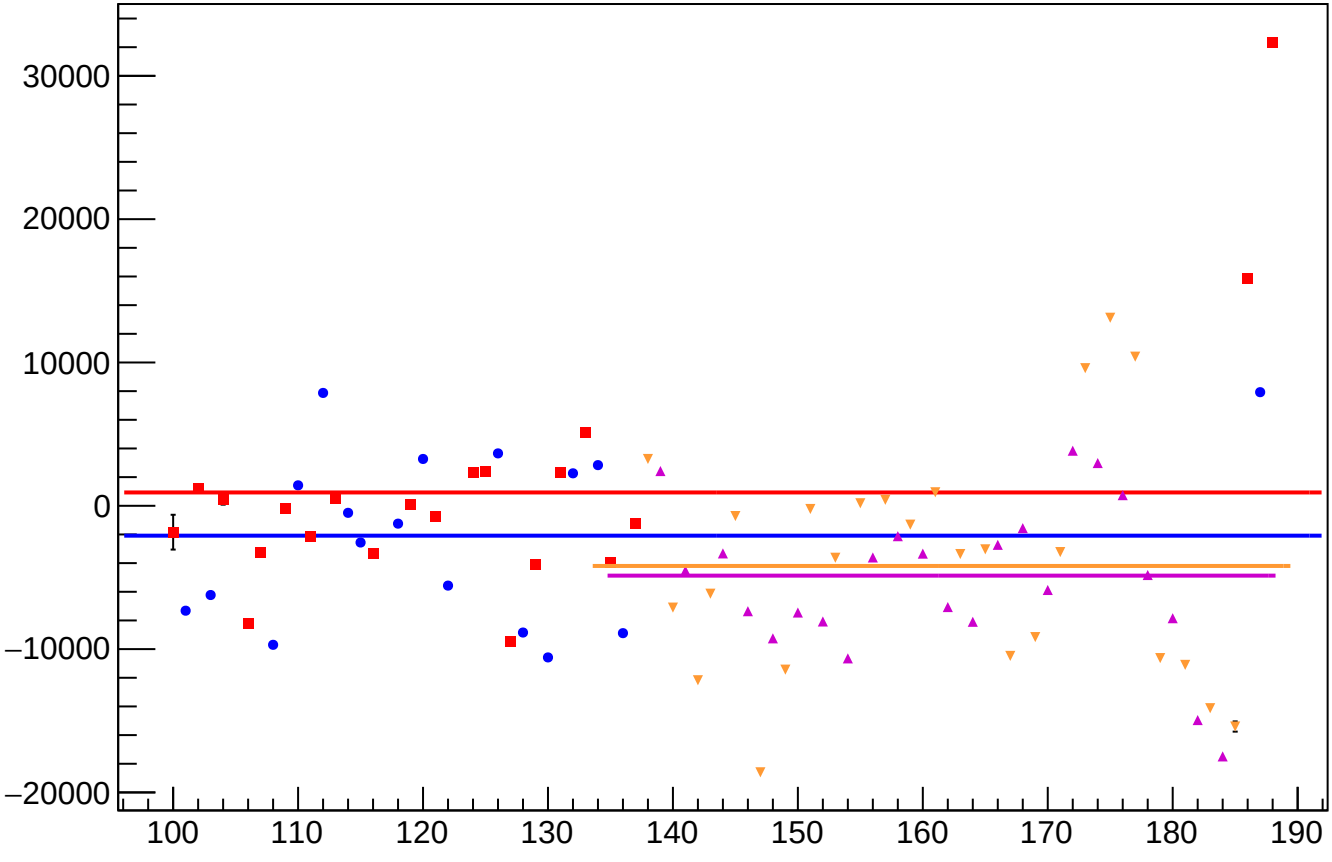
Right: 104.021+/-0.019 χ^2/NDF: 1946869.1/37

In: 114.116+/-0.017 χ^2/NDF:2578714.4/39

Out: 113.571+/-0.016 χ^2/NDF:2901520.6/45

All: 113.829+/-0.011 χ^2/NDF: 5480801.5/85

asym_bpm2i02WS_mean vs Slug, Sign Corrected



Right In: -2084.155+/-38.780 χ^2/NDF: 23932.1/16

Left Out: -4197.414+/-27.211 χ^2/NDF:70415.4/24

Right Out: 931.259+/-36.038 χ^2/NDF: 60203.0/20

Left In: -4873.124+/-28.200 χ^2/NDF:22923.8/22

Left: -4523.205+/-19.581 χ^2/NDF: 93636.5/47

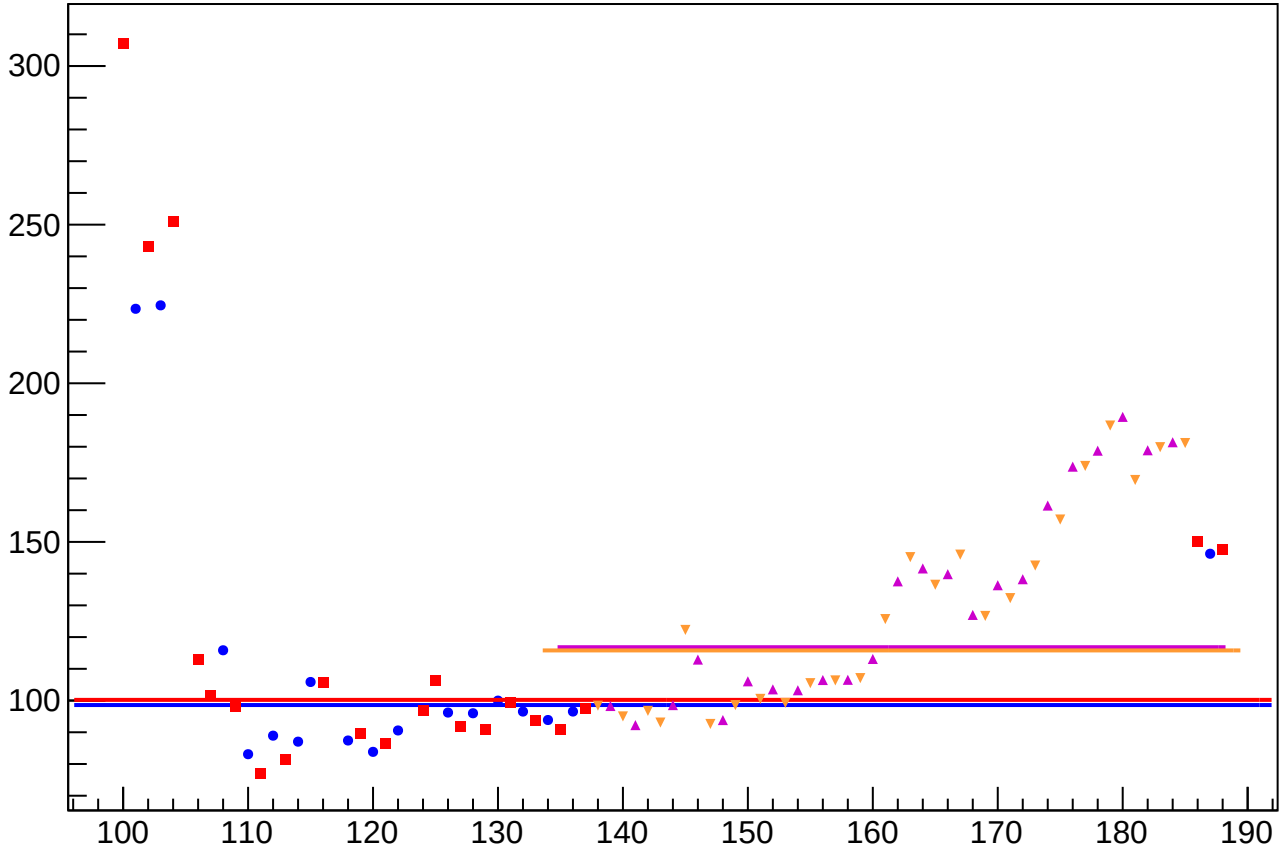
Right: -466.054+/-26.399 χ^2/NDF: 87379.5/37

In: -3908.450+/-22.808 χ^2/NDF:50239.0/39

Out: -2335.156+/-21.716 χ^2/NDF:143517.7/45

All: -3083.240+/-15.727 χ^2/NDF: 196252.6/8

asym_bpm2i02WS_rms vs Slug, Sign Corrected



Right In: 98.581+/-0.027 χ^2/NDF: 908585.6/16

Left Out: 115.798+/-0.019 χ^2/NDF:1749021.2/24

Right Out: 100.209+/-0.025 χ^2/NDF: 1323896.9/20

Left In: 116.808+/-0.020 χ^2/NDF:1617645.9/22

Left: 116.285+/-0.014 χ^2/NDF: 3367997.1/47

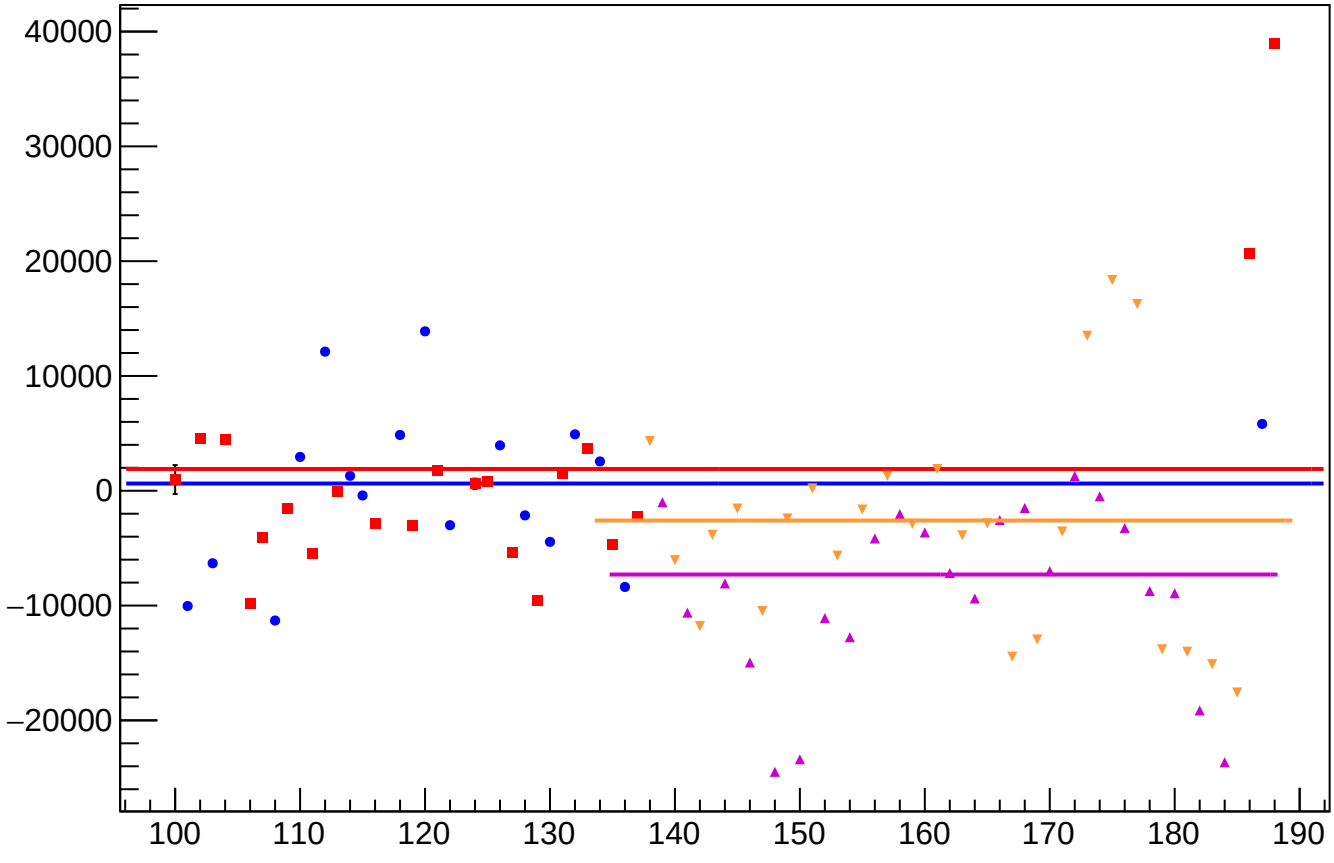
Right: 99.455+/-0.019 χ^2/NDF: 2234374.2/37

In: 110.504+/-0.016 χ^2/NDF:2815231.9/39

Out: 110.138+/-0.015 χ^2/NDF:3311257.5/45

All: 110.312+/-0.011 χ^2/NDF: 6126759.9/85

asym_bpm0i01WS_mean vs Slug, Sign Corrected



Right In: 629.761+/-54.338 χ^2/NDF: 18762.1/16

Left Out: -2591.379+/-37.643 χ^2/NDF:47994.7/24

Right Out: 1898.075+/-50.334 χ^2/NDF: 58968.6/20

Left In: -7296.193+/-39.576 χ^2/NDF:24743.4/22

Left: -4826.123+/-27.275 χ^2/NDF: 80158.0/47

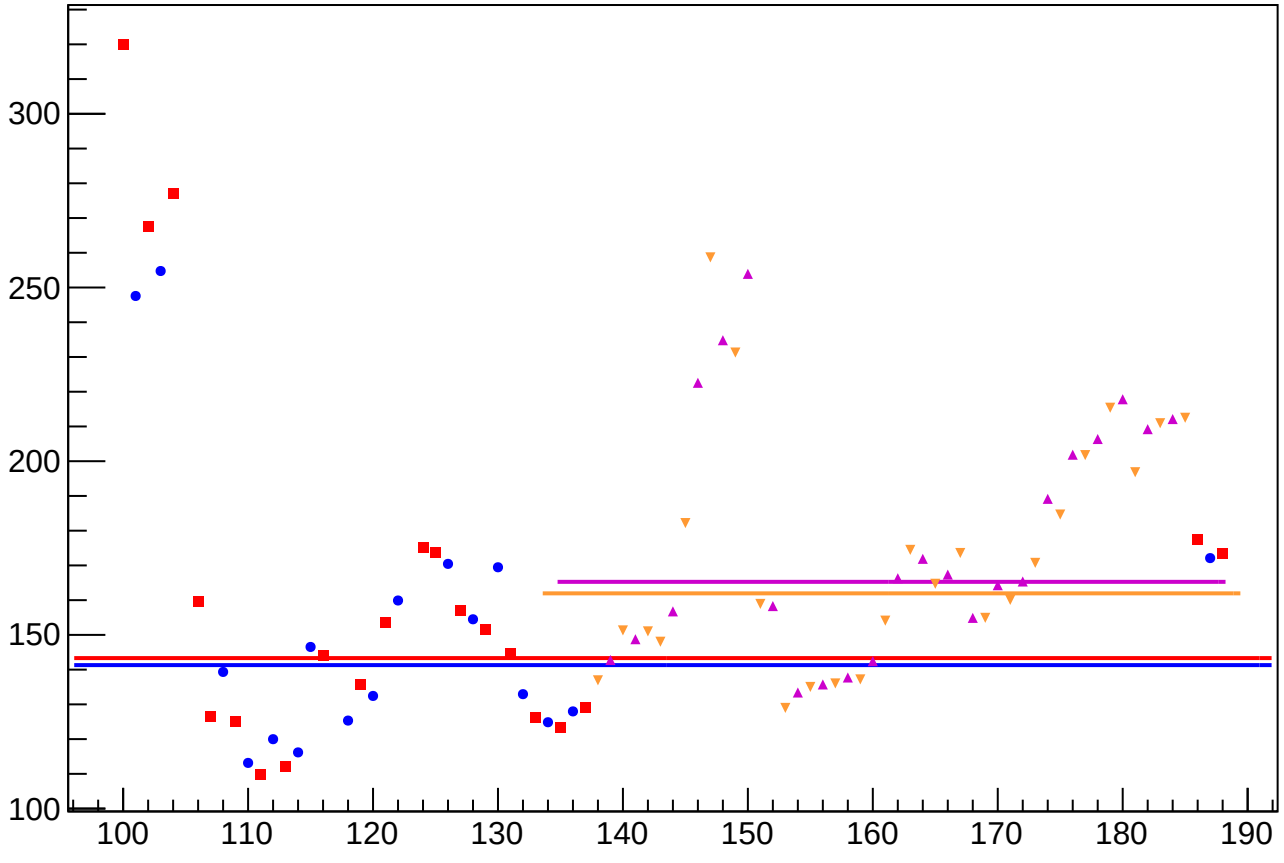
Right: 1312.364+/-36.926 χ^2/NDF: 78023.9/37

In: -4549.085+/-31.990 χ^2/NDF:57407.3/39

Out: -981.068+/-30.145 χ^2/NDF:112065.2/45

All: -2659.232+/-21.939 χ^2/NDF: 176061.4/8

asym_bpm0i01WS_rms vs Slug, Sign Corrected



Right In: 141.303+/-0.038 χ^2/NDF: 687892.0/16

Left Out: 161.957+/-0.027 χ^2/NDF:1144808.3/24

Right Out: 143.322+/-0.036 χ^2/NDF: 901573.9/20

Left In: 165.273+/-0.028 χ^2/NDF:1179090.6/22

Left: 163.532+/-0.019 χ^2/NDF: 2331268.8/47

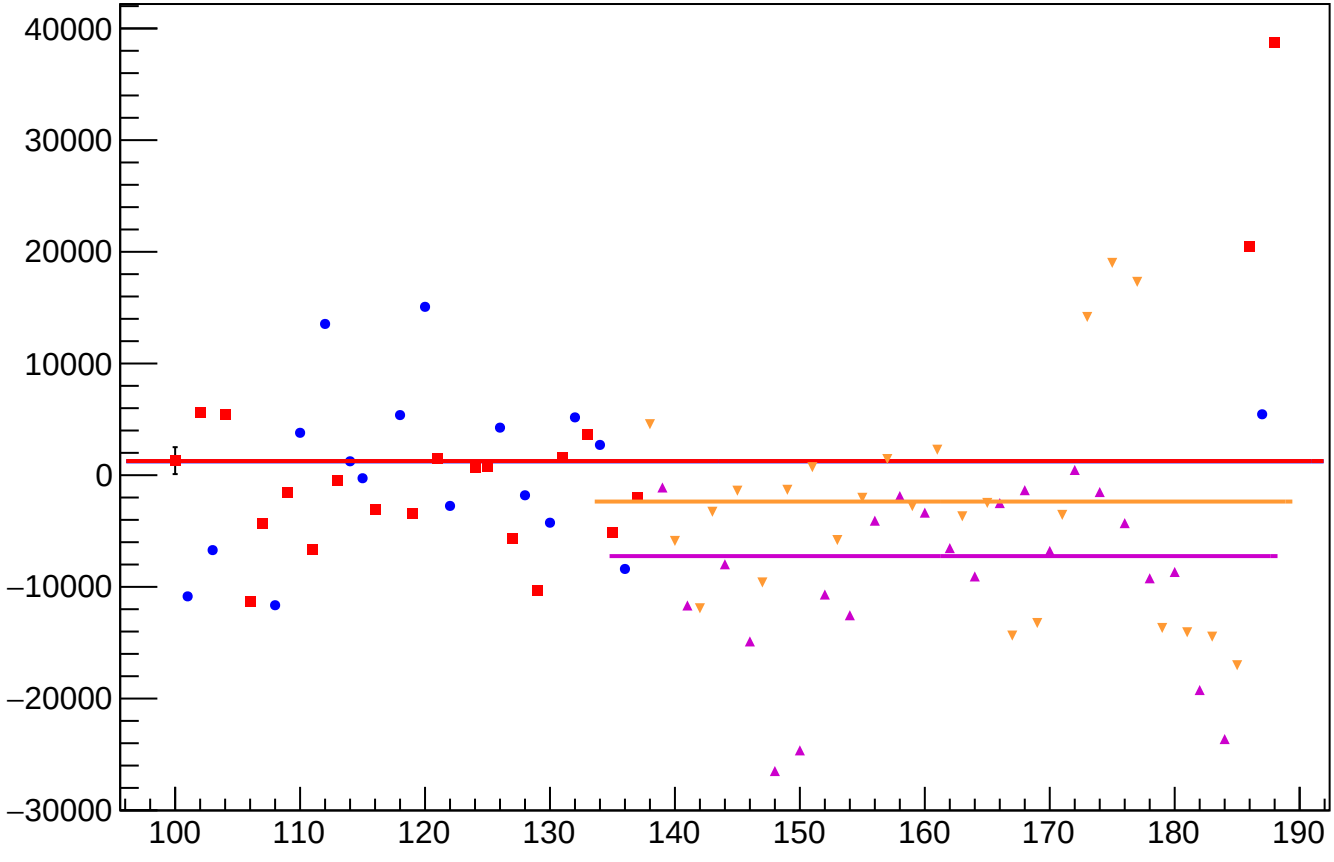
Right: 142.390+/-0.026 χ^2/NDF: 1590952.0/37

In: 156.965+/-0.023 χ^2/NDF:2121255.8/39

Out: 155.273+/-0.021 χ^2/NDF:2222176.3/45

All: 156.069+/-0.016 χ^2/NDF: 4346395.2/85

asym_bpm0i01aWS_mean vs Slug, Sign Corrected



Right In: 1238.233+/-45.526 χ^2/NDF: 30907.4/16

Left Out: -2360.753+/-33.680 χ^2/NDF:58566.4/24

Right Out: 1266.768+/-41.836 χ^2/NDF: 83435.6/20

Left In: -7244.763+/-35.507 χ^2/NDF:30447.9/22

Left: -4673.874+/-24.436 χ^2/NDF: 98973.5/47

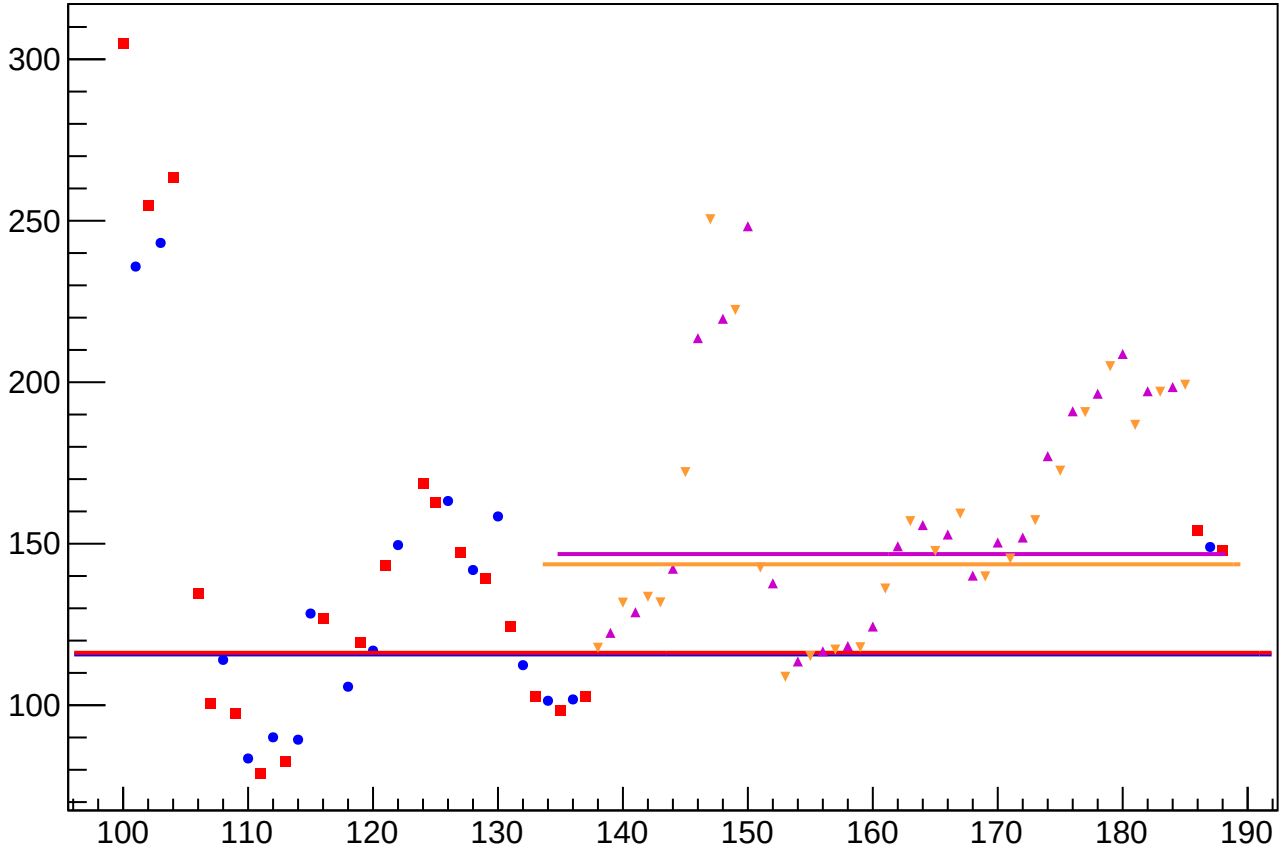
Right: 1253.704+/-30.804 χ^2/NDF: 114343.2/37

In: -4036.256+/-27.998 χ^2/NDF:82943.7/39

Out: -934.233+/-26.235 χ^2/NDF:146563.8/45

All: -2384.486+/-19.144 χ^2/NDF: 236043.7/8

asym_bpm0i01aWS_rms vs Slug, Sign Corrected



Right In: 115.719+/-0.032 χ^2/NDF: 1132047.8/16

Left Out: 143.622+/-0.024 χ^2/NDF:1662825.4/24

Right Out: 116.229+/-0.030 χ^2/NDF: 1481688.7/20

Left In: 146.793+/-0.025 χ^2/NDF:1694524.1/22

Left: 145.124+/-0.017 χ^2/NDF: 3365746.4/47

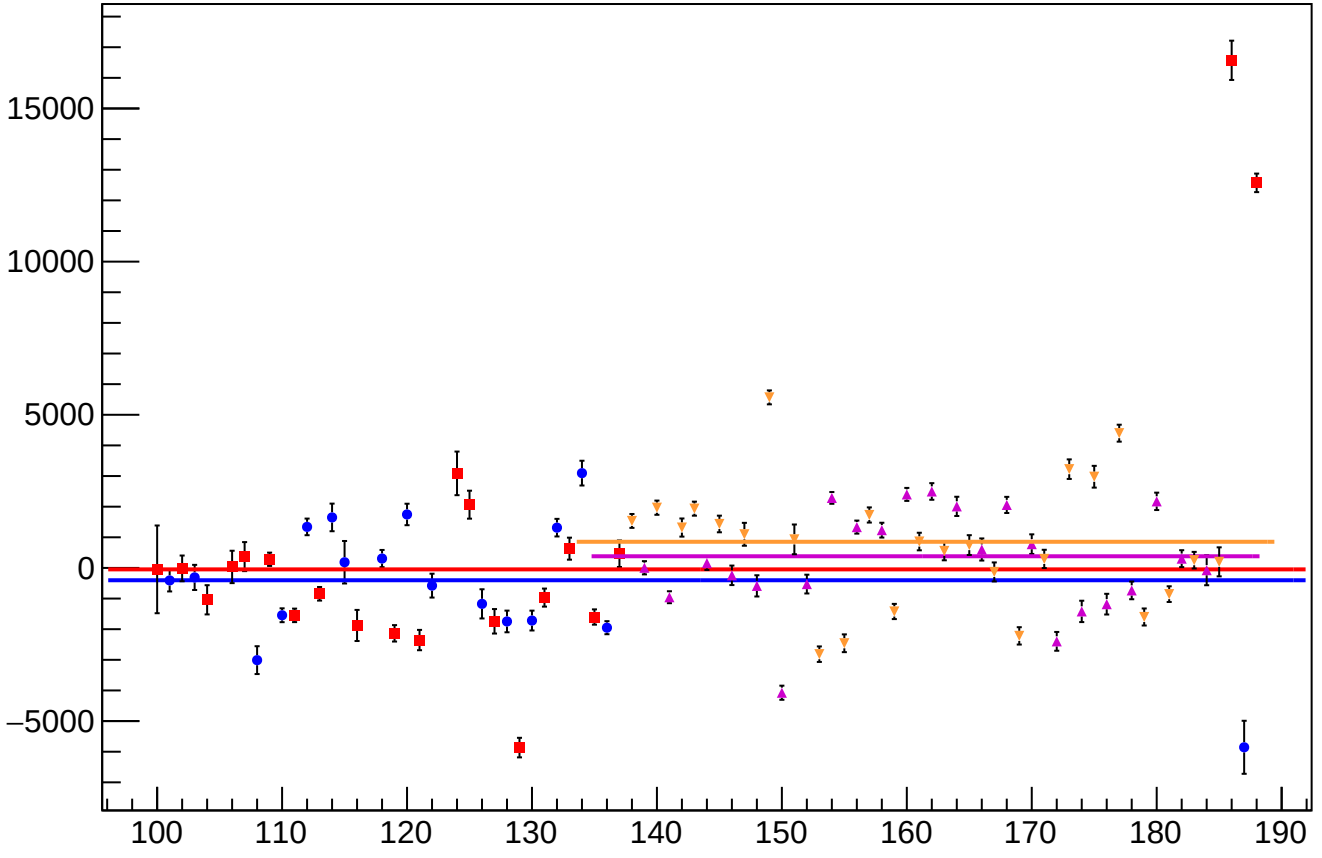
Right: 115.996+/-0.022 χ^2/NDF: 2613872.4/37

In: 135.040+/-0.020 χ^2/NDF:3405929.2/39

Out: 132.850+/-0.019 χ^2/NDF:3664795.6/45

All: 133.874+/-0.014 χ^2/NDF: 7077243.0/85

asym_bpm0l01WS_mean vs Slug, Sign Corrected



Right In: -402.243+/-81.768 χ^2/NDF: 401.9/16

Left Out: 853.916+/-56.237 χ^2/NDF:1443.8/24

Right Out: -47.162+/-73.625 χ^2/NDF: 3043.7/20

Left In: 380.865+/-55.135 χ^2/NDF:982.4/22

Left: 612.713+/-39.370 χ^2/NDF: 2462.3/47

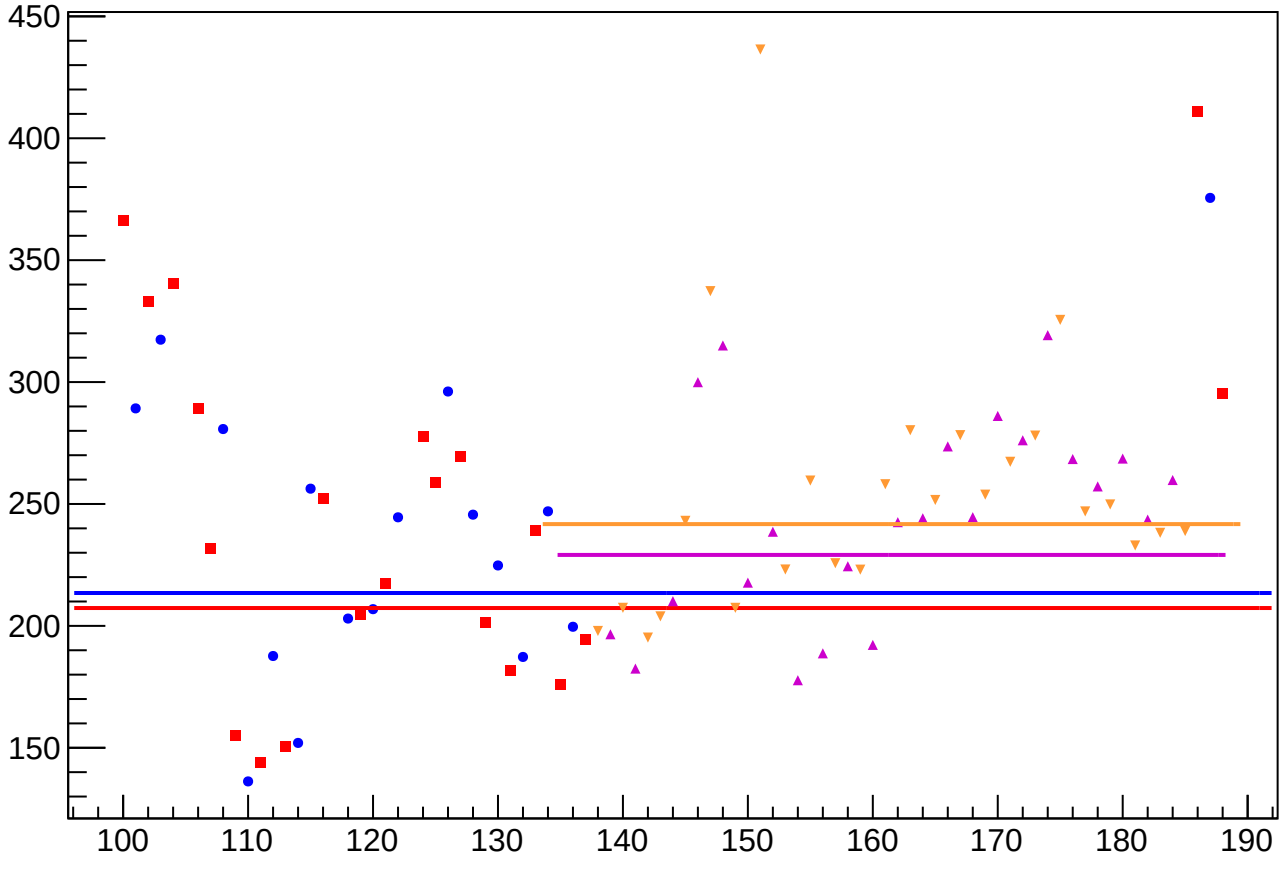
Right: -206.146+/-54.714 χ^2/NDF: 3456.0/37

In: 136.101+/-45.714 χ^2/NDF:1447.3/39

Out: 521.906+/-44.691 χ^2/NDF:4582.2/45

All: 333.368+/-31.957 χ^2/NDF: 6065.9/85

asym_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 213.487+/-0.058 χ^2/NDF: 761113.2/16

Left Out: 241.746+/-0.040 χ^2/NDF:986390.8/24

Right Out: 207.323+/-0.052 χ^2/NDF: 1370962.4/20

Left In: 229.103+/-0.039 χ^2/NDF:1068960.6/22

Left: 235.300+/-0.028 χ^2/NDF: 2106890.7/47

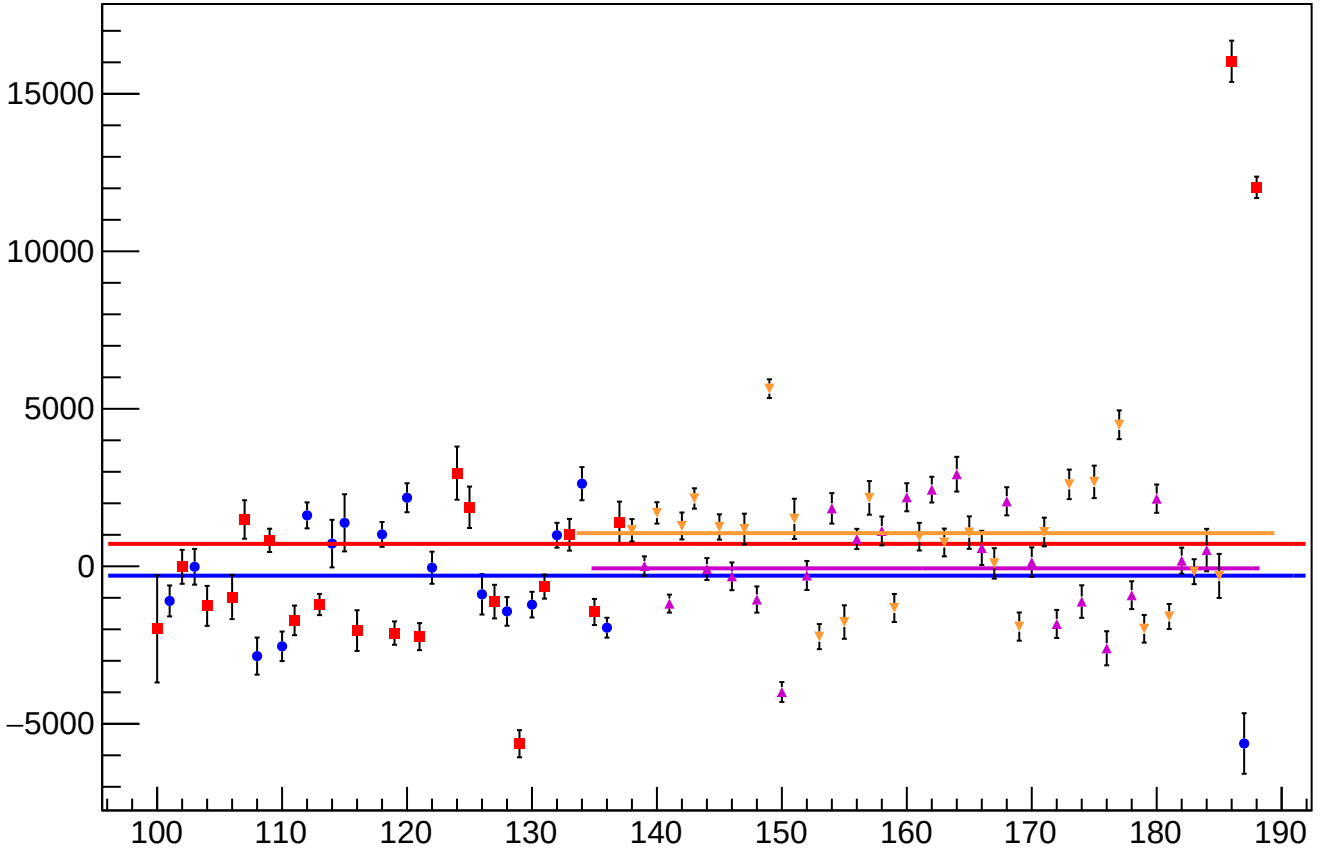
Right: 210.083+/-0.039 χ^2/NDF: 2138352.1/37

In: 224.222+/-0.032 χ^2/NDF:1880222.0/39

Out: 229.063+/-0.032 χ^2/NDF:2633457.0/45

All: 226.697+/-0.023 χ^2/NDF: 4525143.2/85

asym_bpm0l02WS_mean vs Slug, Sign Corrected



Right In: -296.986+/-117.012 χ^2/NDF: 223.3/16

Left Out: 1053.354+/-85.895 χ^2/NDF:614.6/24

Right Out: 713.279+/-105.888 χ^2/NDF: 2146.1/20

Left In: -64.646+/-86.660 χ^2/NDF:394.4/22

Left: 499.305+/-61.006 χ^2/NDF: 1093.0/47

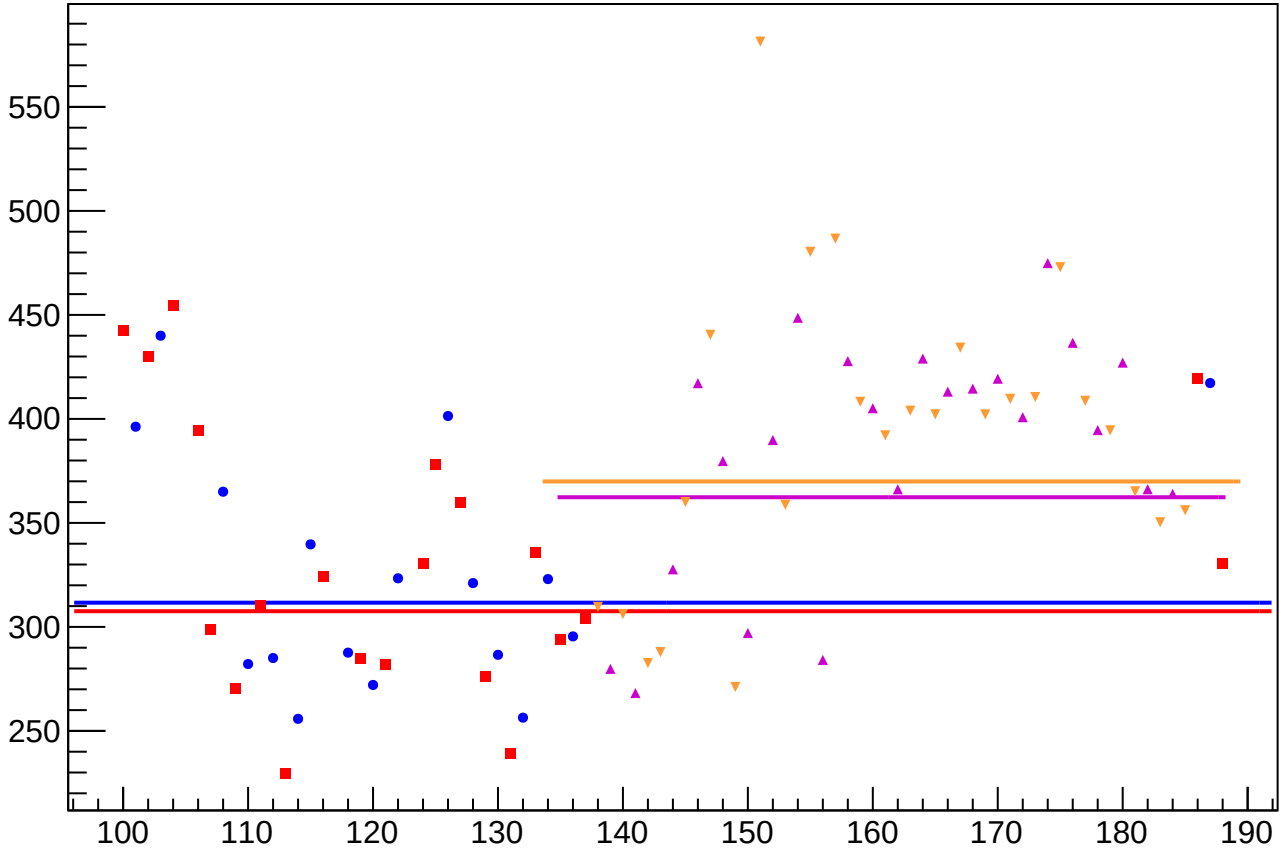
Right: 258.439+/-78.513 χ^2/NDF: 2410.4/37

In: -146.944+/-69.640 χ^2/NDF:620.3/39

Out: 918.386+/-66.707 χ^2/NDF:2766.9/45

All: 408.628+/-48.173 χ^2/NDF: 3509.3/85

asym_bpm0l02WS_rms vs Slug, Sign Corrected



Right In: 311.648+/-0.083 χ^2/NDF: 347752.1/16

Left Out: 369.923+/-0.061 χ^2/NDF:1230300.9/24

Right Out: 307.548+/-0.075 χ^2/NDF: 593258.3/20

Left In: 362.341+/-0.061 χ^2/NDF:1053395.6/22

Left: 366.166+/-0.043 χ^2/NDF: 2291420.1/47

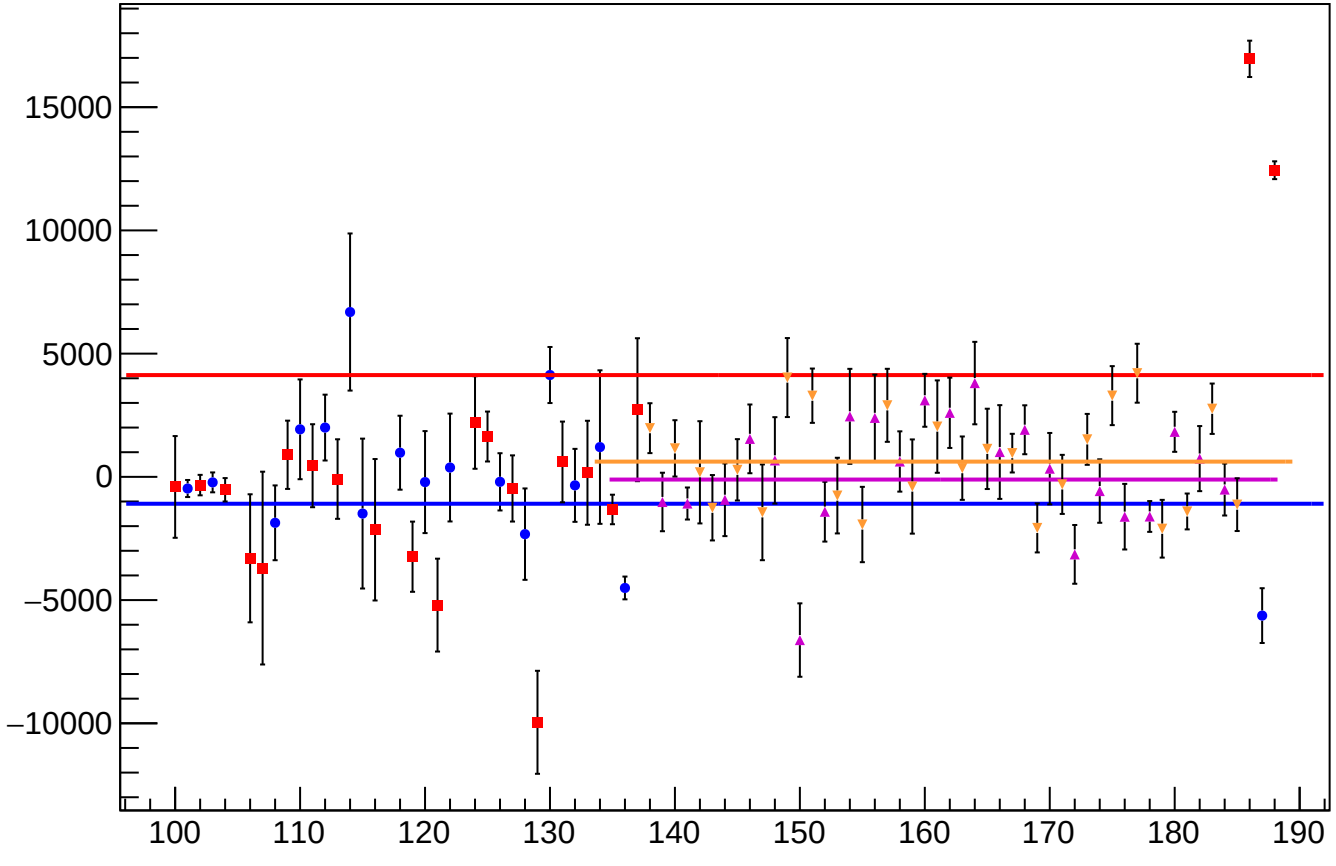
Right: 309.394+/-0.056 χ^2/NDF: 942360.7/37

In: 344.385+/-0.049 χ^2/NDF:1643559.6/39

Out: 345.168+/-0.047 χ^2/NDF:2242139.2/45

All: 344.793+/-0.034 χ^2/NDF: 3885830.7/85

asym_bpm0l03WS_mean vs Slug, Sign Corrected



Right In: -1090.955+/-201.329 χ^2/NDF: 118.4/16

Left Out: 618.538+/-238.150 χ^2/NDF:65.7/24

Right Out: 4129.309+/-189.355 χ^2/NDF: 1289.3/20

Left In: -109.519+/-237.827 χ^2/NDF:71.7/22

Left: 254.016+/-168.283 χ^2/NDF: 142.1/47

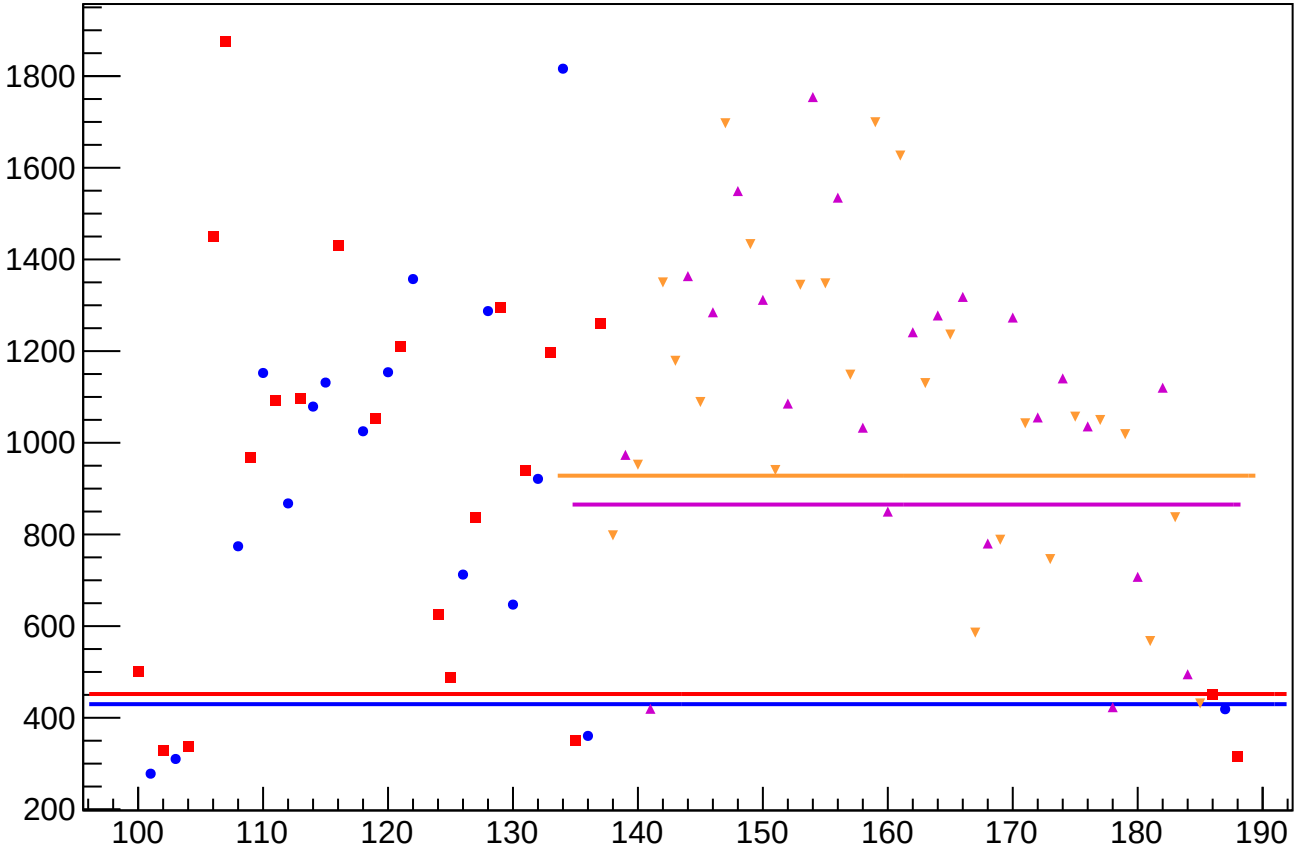
Right: 1679.034+/-137.933 χ^2/NDF: 1764.5/37

In: -681.244+/-153.663 χ^2/NDF:200.1/39

Out: 2769.490+/-148.214 χ^2/NDF:1488.2/45

All: 1106.389+/-106.678 χ^2/NDF: 1949.5/85

asym_bpm0l03WS_rms vs Slug, Sign Corrected



Right In: 429.735+/-0.142 χ^2/NDF: 3522066.2/16

Left Out: 928.240+/-0.168 χ^2/NDF:3294716.2/24

Right Out: 451.873+/-0.134 χ^2/NDF: 4083486.8/20

Left In: 865.223+/-0.168 χ^2/NDF:4792678.4/22

Left: 896.689+/-0.119 χ^2/NDF: 8157507.8/47

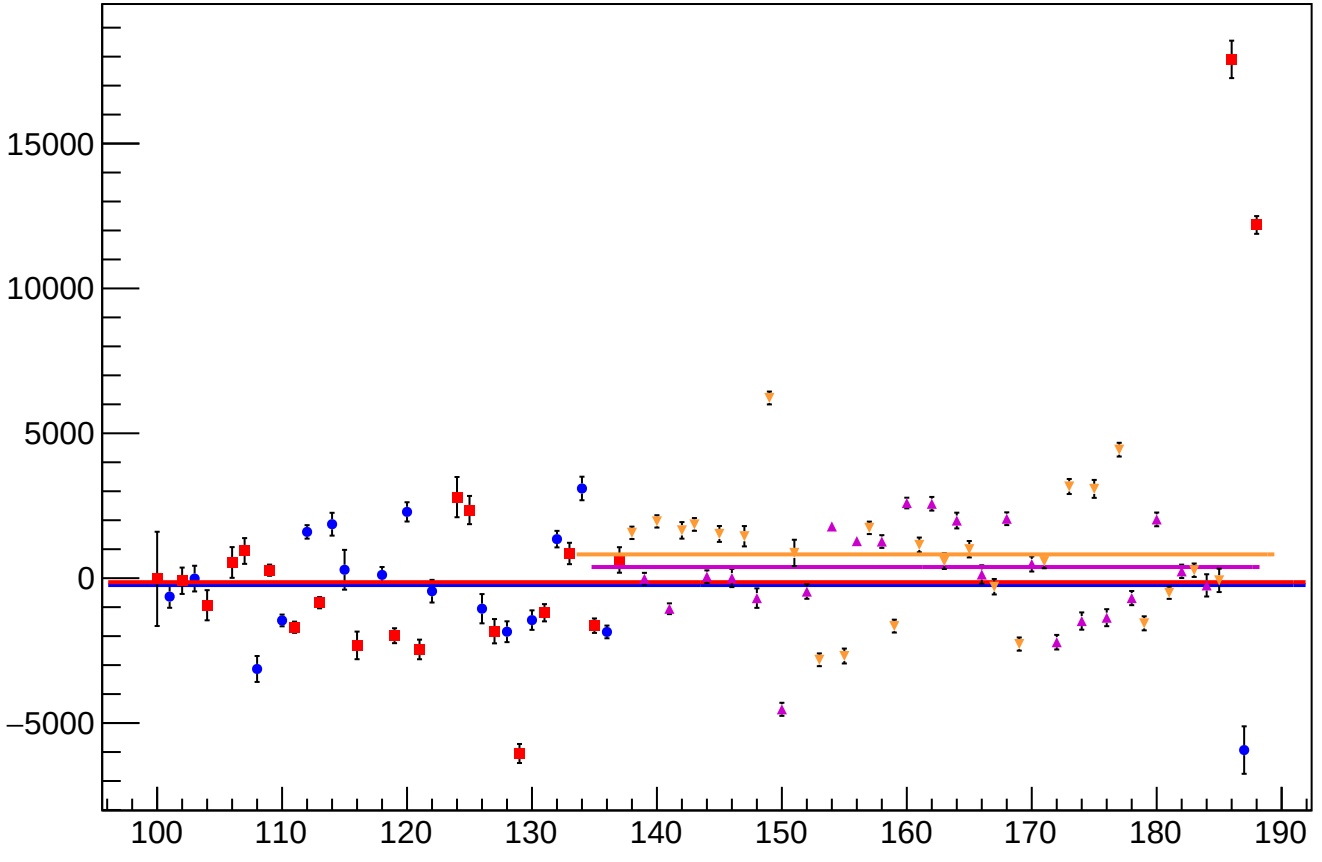
Right: 441.482+/-0.098 χ^2/NDF: 7618383.6/37

In: 611.535+/-0.109 χ^2/NDF:12221201.7/39

Out: 636.383+/-0.105 χ^2/NDF:12280963.3/45

All: 624.407+/-0.075 χ^2/NDF: 24529257.5/85

asym_bpm0l04WS_mean vs Slug, Sign Corrected



Right In: -237.145+/-79.486 χ^2/NDF: 466.5/16

Left Out: 820.821+/-49.996 χ^2/NDF:1990.8/24

Right Out: -137.928+/-70.642 χ^2/NDF: 3054.0/20

Left In: 385.002+/-48.455 χ^2/NDF:1253.3/22

Left: 596.090+/-34.795 χ^2/NDF: 3283.3/47

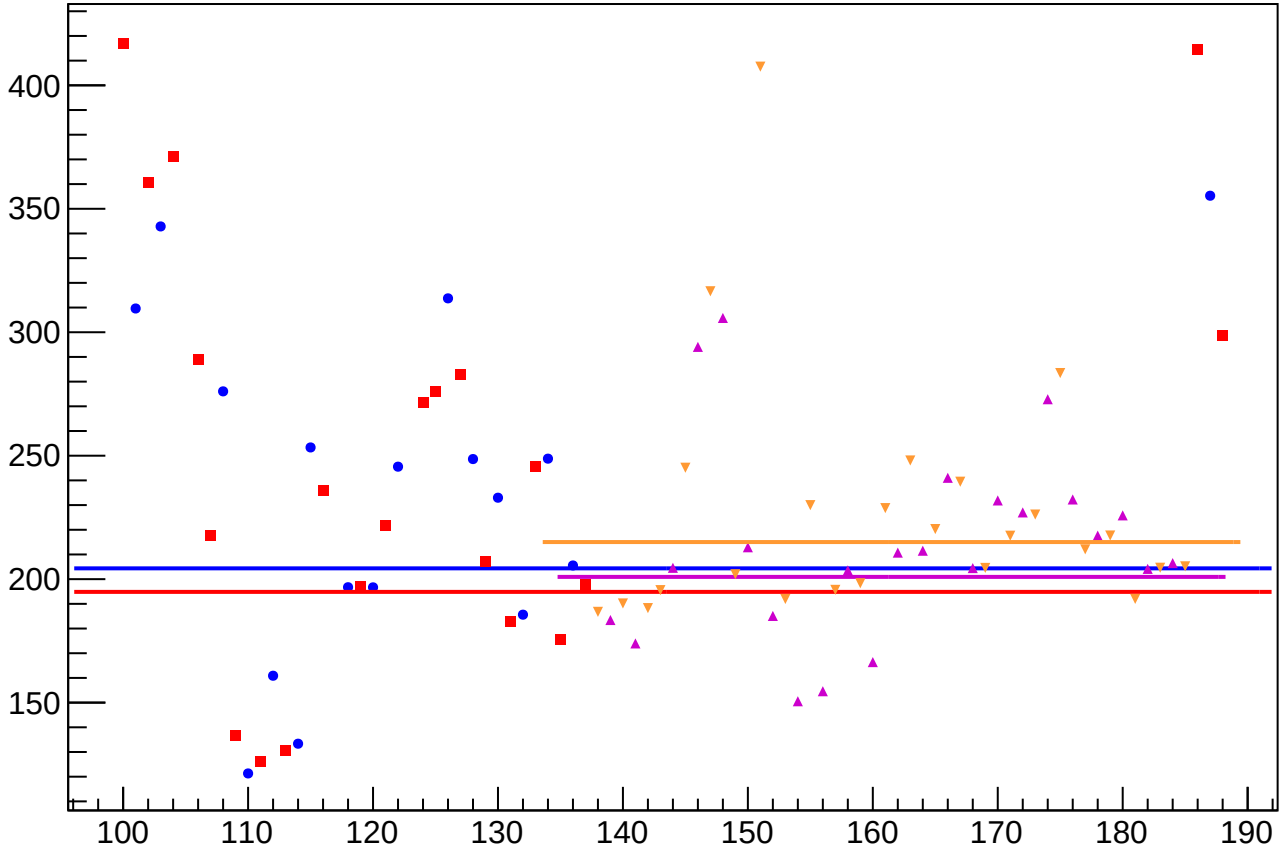
Right: -181.712+/-52.802 χ^2/NDF: 3521.4/37

In: 216.444+/-41.373 χ^2/NDF:1764.5/39

Out: 500.855+/-40.809 χ^2/NDF:5167.5/45

All: 360.601+/-29.054 χ^2/NDF: 6955.9/85

asym_bpm0l04WS_rms vs Slug, Sign Corrected



Right In: 204.376+/-0.056 χ^2/NDF: 1140377.5/16

Left Out: 215.027+/-0.035 χ^2/NDF:897791.6/24

Right Out: 194.846+/-0.050 χ^2/NDF: 1971155.3/20

Left In: 200.917+/-0.034 χ^2/NDF:1105842.5/22

Left: 207.751+/-0.025 χ^2/NDF: 2085775.1/47

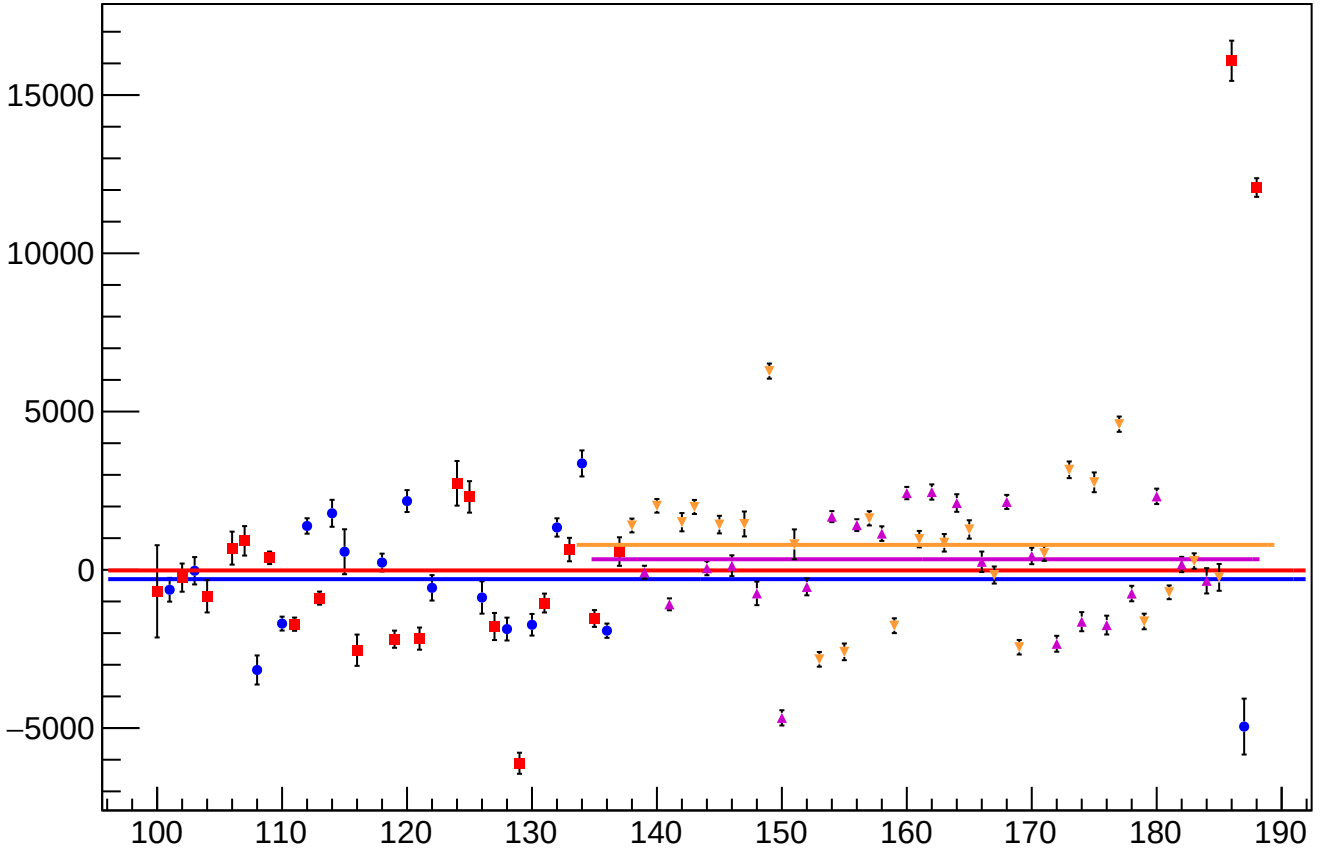
Right: 199.051+/-0.037 χ^2/NDF: 3127594.3/37

In: 201.854+/-0.029 χ^2/NDF:2248980.7/39

Out: 208.292+/-0.029 χ^2/NDF:2977698.6/45

All: 205.117+/-0.021 χ^2/NDF: 5251223.6/85

asym_bpm0l05WS_mean vs Slug, Sign Corrected



Right In: -295.110+/-82.132 χ^2/NDF: 437.3/16

Left Out: 788.110+/-51.424 χ^2/NDF:1890.2/24

Right Out: -19.471+/-73.076 χ^2/NDF: 2990.7/20

Left In: 333.303+/-50.194 χ^2/NDF:1215.2/22

Left: 555.203+/-35.920 χ^2/NDF: 3145.5/47

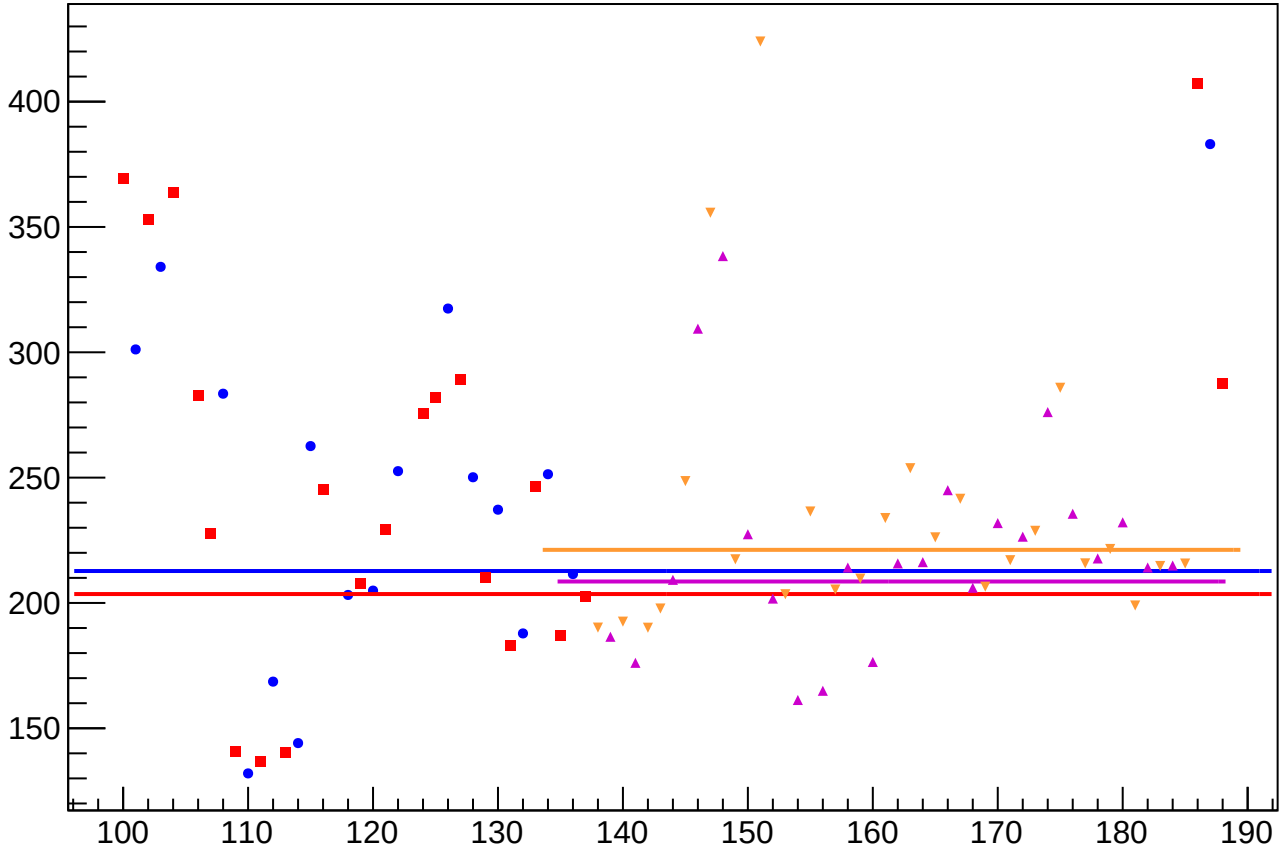
Right: -141.262+/-54.595 χ^2/NDF: 3434.4/37

In: 162.418+/-42.829 χ^2/NDF:1695.2/39

Out: 520.640+/-42.055 χ^2/NDF:4962.6/45

All: 344.797+/-30.007 χ^2/NDF: 6693.4/85

asym_bpm0l05WS_rms vs Slug, Sign Corrected



Right In: 212.740+/-0.058 χ^2/NDF: 959404.7/16

Left Out: 221.185+/-0.036 χ^2/NDF:939520.0/24

Right Out: 203.552+/-0.052 χ^2/NDF: 1677571.4/20

Left In: 208.556+/-0.035 χ^2/NDF:1035638.0/22

Left: 214.718+/-0.025 χ^2/NDF: 2036930.5/47

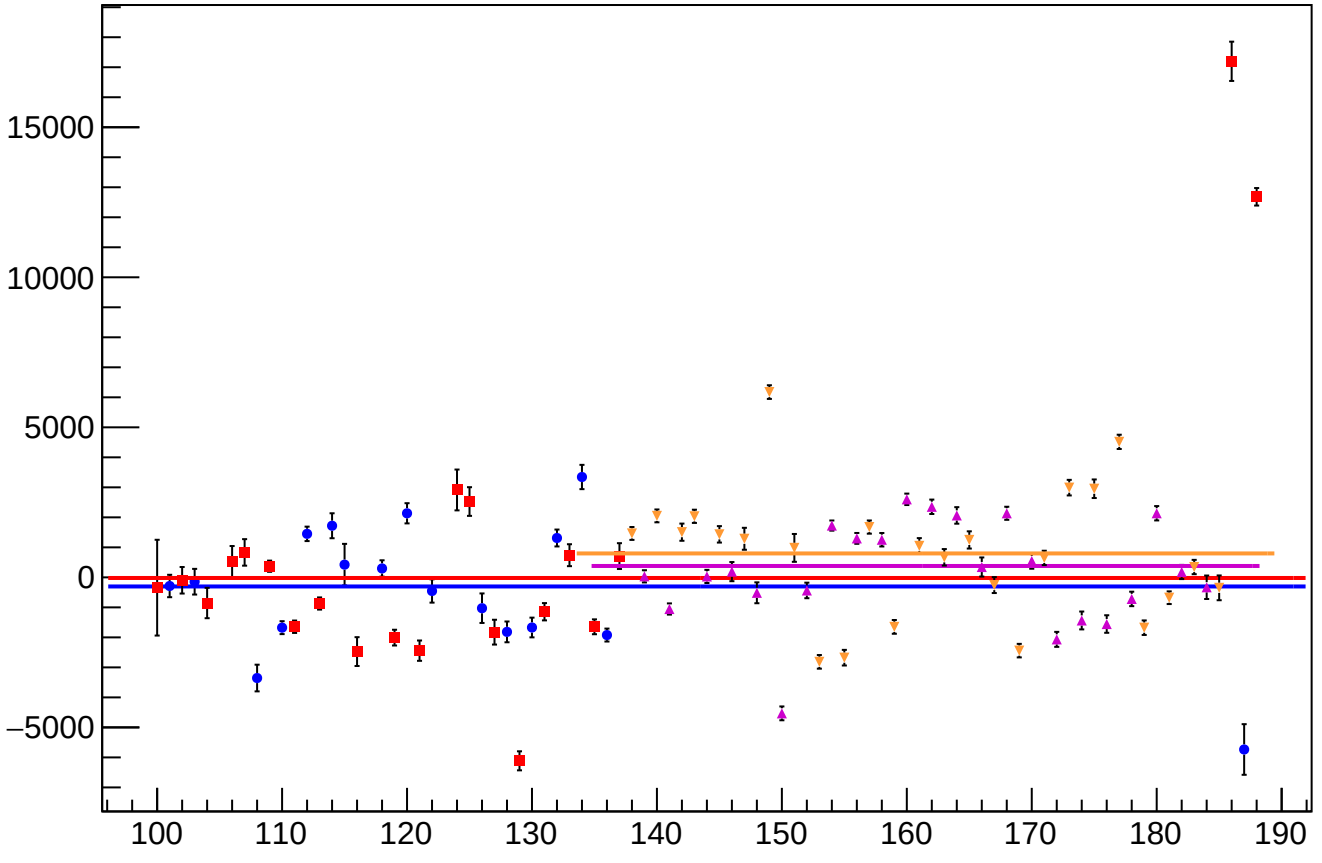
Right: 207.611+/-0.039 χ^2/NDF: 2650945.5/37

In: 209.694+/-0.030 χ^2/NDF:1998820.5/39

Out: 215.345+/-0.030 χ^2/NDF:2694977.1/45

All: 212.571+/-0.021 χ^2/NDF: 4711526.1/85

asym_bpm0l06WS_mean vs Slug, Sign Corrected



Right In: -303.174+/-79.862 χ^2/NDF: 473.9/16

Left Out: 797.475+/-50.495 χ^2/NDF:1960.8/24

Right Out: -20.465+/-70.731 χ^2/NDF: 3315.4/20

Left In: 379.578+/-49.183 χ^2/NDF:1201.2/22

Left: 583.028+/-35.232 χ^2/NDF: 3197.2/47

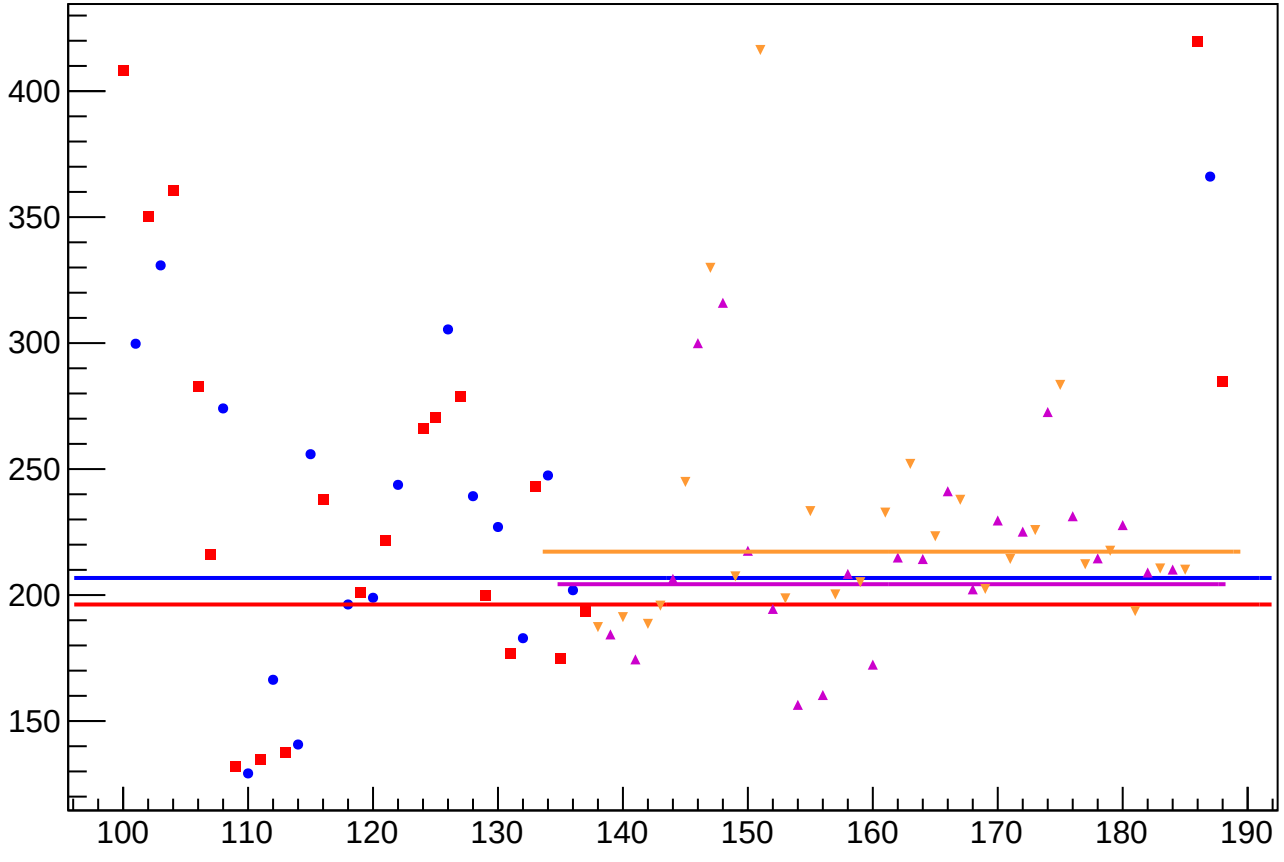
Right: -144.739+/-52.950 χ^2/NDF: 3796.3/37

In: 191.834+/-41.879 χ^2/NDF:1728.1/39

Out: 521.338+/-41.097 χ^2/NDF:5364.8/45

All: 359.690+/-29.332 χ^2/NDF: 7124.4/85

asym_bpm0l06WS_rms vs Slug, Sign Corrected



Right In: 206.782+/-0.056 χ^2/NDF: 949363.2/16

Left Out: 217.224+/-0.036 χ^2/NDF:910445.0/24

Right Out: 196.257+/-0.050 χ^2/NDF: 1780611.5/20

Left In: 204.308+/-0.035 χ^2/NDF:1015049.0/22

Left: 210.596+/-0.025 χ^2/NDF: 1992646.9/47

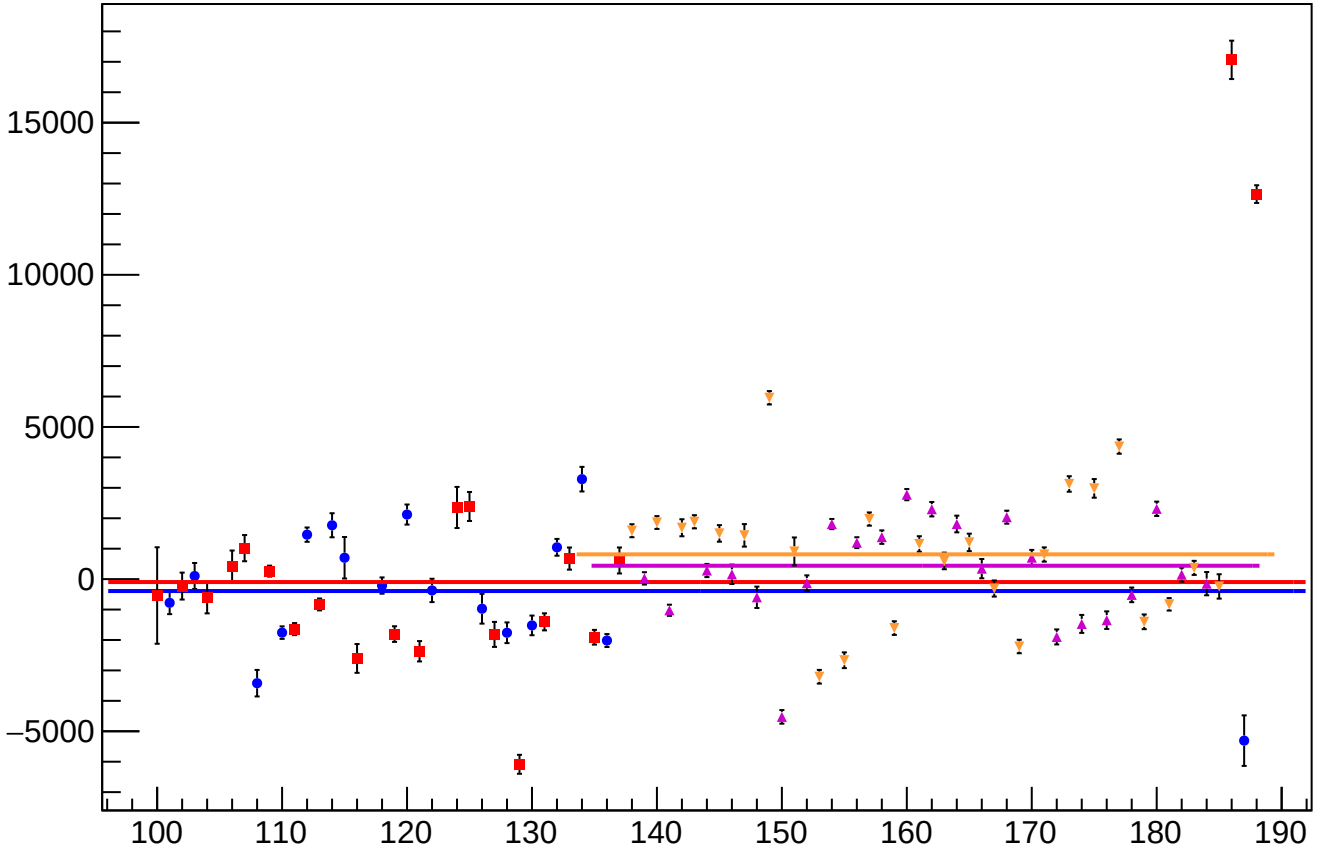
Right: 200.884+/-0.037 χ^2/NDF: 2749441.2/37

In: 204.988+/-0.030 χ^2/NDF:1965803.6/39

Out: 210.146+/-0.029 χ^2/NDF:2807475.0/45

All: 207.616+/-0.021 χ^2/NDF: 4788731.4/85

asym_bpm0l07WS_mean vs Slug, Sign Corrected



Right In: -391.654+/-78.218 χ^2/NDF: 481.1/16

Left Out: 814.275+/-49.760 χ^2/NDF:2000.4/24

Right Out: -95.986+/-69.054 χ^2/NDF: 3377.0/20

Left In: 439.674+/-48.535 χ^2/NDF:1235.0/22

Left: 622.309+/-34.745 χ^2/NDF: 3264.4/47

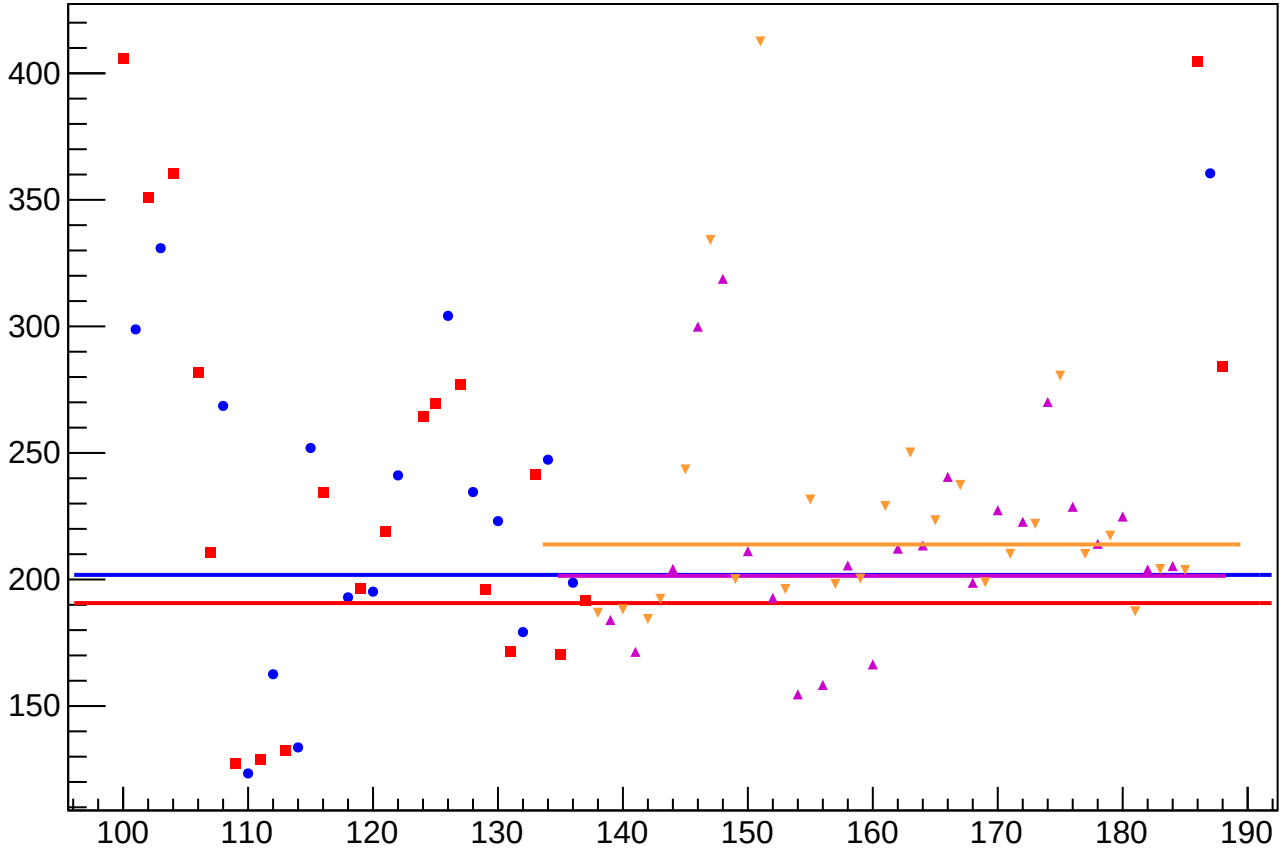
Right: -225.493+/-51.767 χ^2/NDF: 3866.2/37

In: 208.566+/-41.241 χ^2/NDF:1797.6/39

Out: 503.166+/-40.370 χ^2/NDF:5491.8/45

All: 359.008+/-28.849 χ^2/NDF: 7315.5/85

asym_bpm0l07WS_rms vs Slug, Sign Corrected



Right In: 201.818+/-0.055 χ^2/NDF: 1032618.5/16

Left Out: 213.848+/-0.035 χ^2/NDF:963582.3/24

Right Out: 190.687+/-0.049 χ^2/NDF: 1910019.9/20

Left In: 201.446+/-0.034 χ^2/NDF:1061972.3/22

Left: 207.492+/-0.025 χ^2/NDF: 2089227.0/47

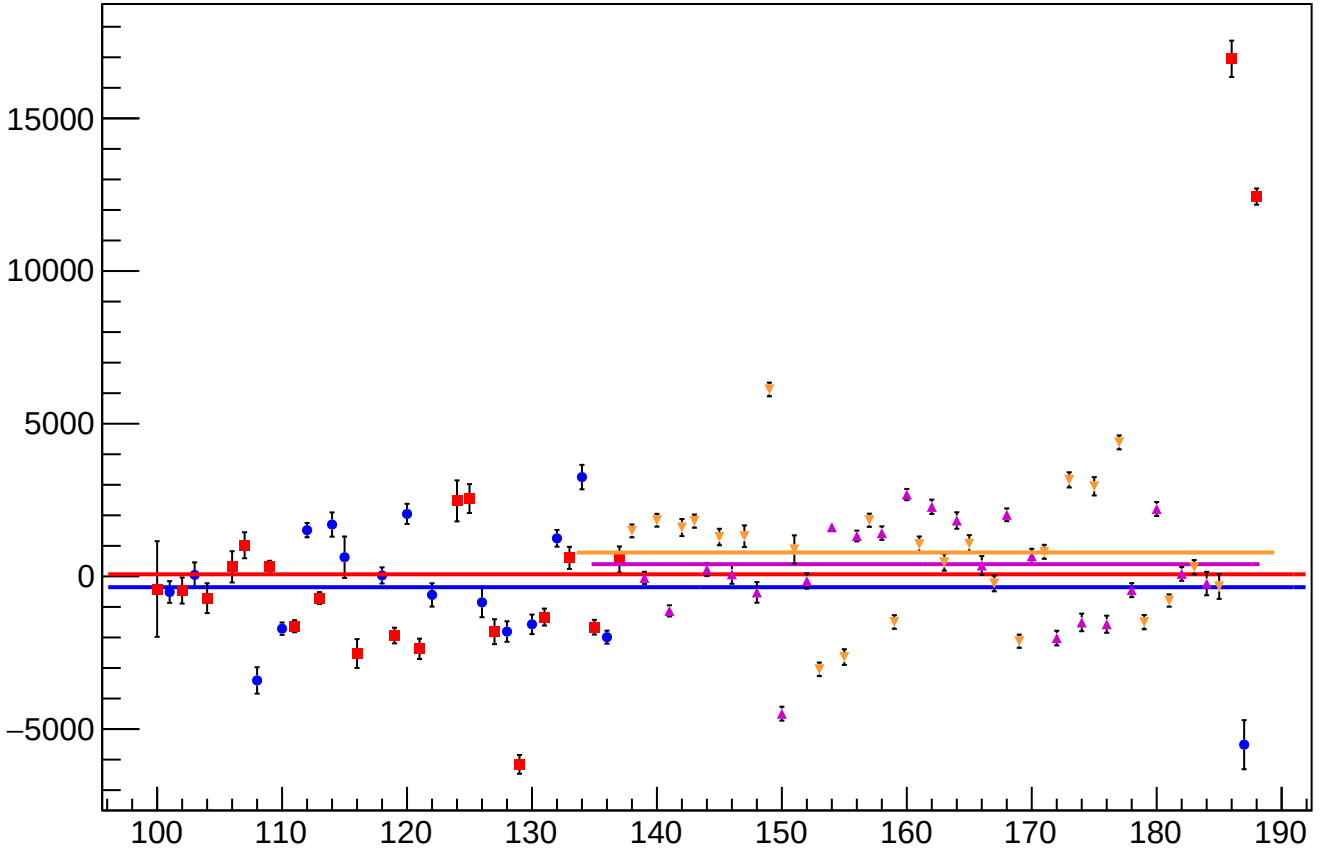
Right: 195.563+/-0.037 χ^2/NDF: 2965401.6/37

In: 201.549+/-0.029 χ^2/NDF:2094623.6/39

Out: 205.932+/-0.029 χ^2/NDF:3021697.3/45

All: 203.787+/-0.020 χ^2/NDF: 5127856.4/85

asym_bpm0l08WS_mean vs Slug, Sign Corrected



Right In: -354.038+/-77.506 χ^2/NDF: 493.4/16

Left Out: 782.388+/-49.199 χ^2/NDF:2001.3/24

Right Out: 68.222+/-67.998 χ^2/NDF: 3760.3/20

Left In: 399.798+/-47.819 χ^2/NDF:1232.0/22

Left: 585.651+/-34.291 χ^2/NDF: 3264.4/47

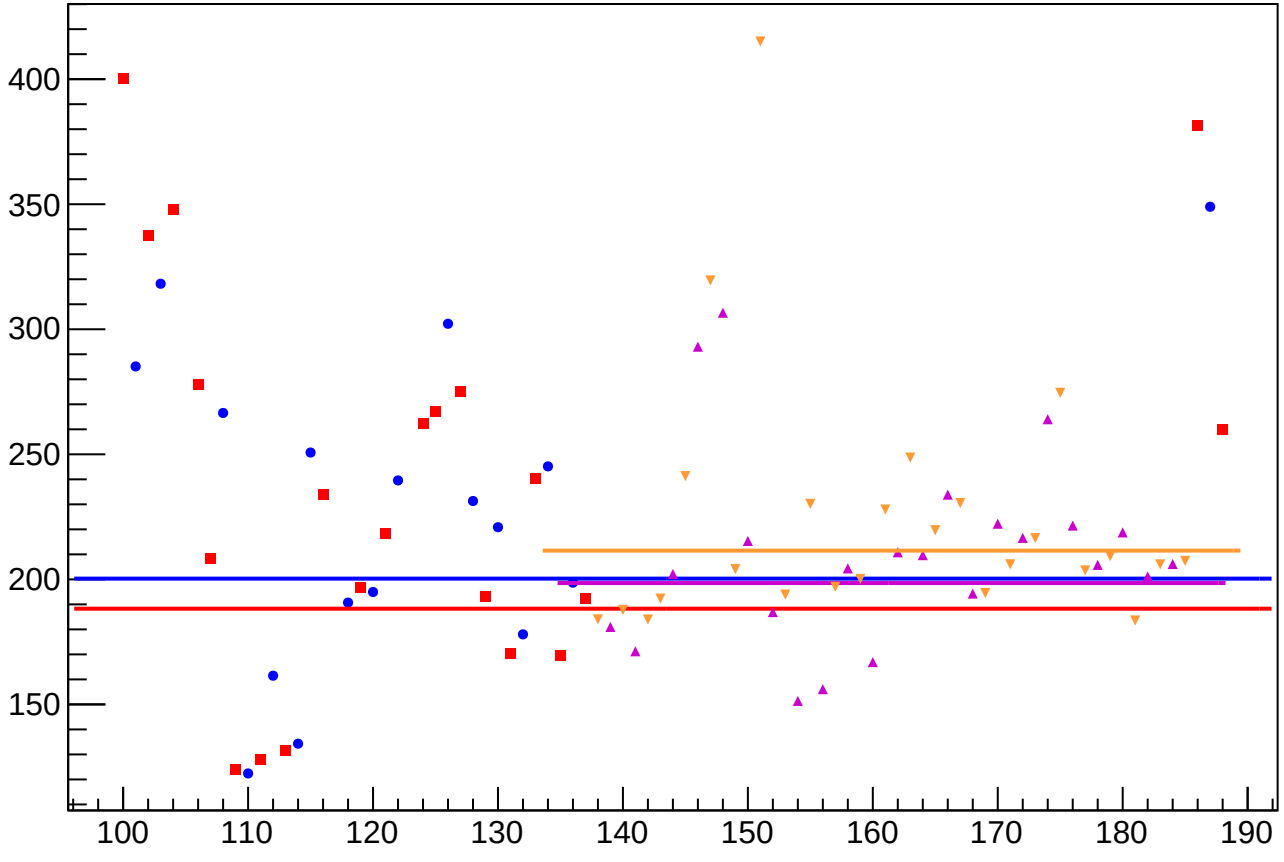
Right: -115.434+/-51.115 χ^2/NDF: 4270.5/37

In: 191.961+/-40.696 χ^2/NDF:1793.9/39

Out: 536.988+/-39.860 χ^2/NDF:5834.0/45

All: 368.057+/-28.476 χ^2/NDF: 7664.6/85

asym_bpm0l08WS_rms vs Slug, Sign Corrected



Right In: 200.298+/-0.055 χ^2/NDF: 981824.9/16

Left Out: 211.496+/-0.035 χ^2/NDF:934978.4/24

Right Out: 188.276+/-0.048 χ^2/NDF: 1814484.2/20

Left In: 198.524+/-0.034 χ^2/NDF:1006458.6/22

Left: 204.826+/-0.024 χ^2/NDF: 2012924.3/47

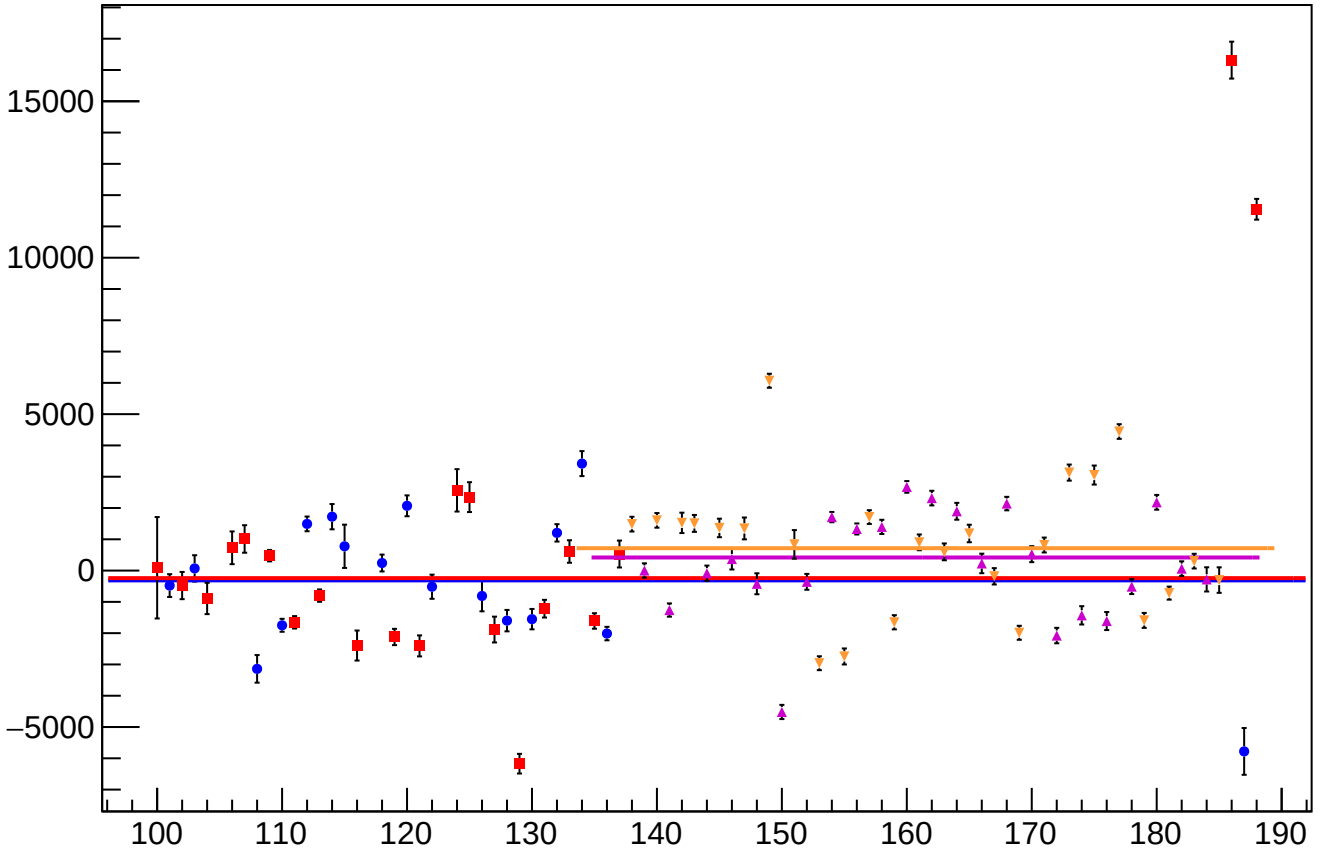
Right: 193.505+/-0.036 χ^2/NDF: 2823498.4/37

In: 199.013+/-0.029 χ^2/NDF:1989041.6/39

Out: 203.517+/-0.028 χ^2/NDF:2902540.1/45

All: 201.312+/-0.020 χ^2/NDF: 4904082.3/85

asym_bpm0l09WS_mean vs Slug, Sign Corrected



Right In: -312.779+/-78.537 χ^2/NDF: 495.3/16

Left Out: 715.643+/-51.110 χ^2/NDF:1918.0/24

Right Out: -241.385+/-70.041 χ^2/NDF: 2720.9/20

Left In: 418.574+/-49.523 χ^2/NDF:1241.0/22

Left: 562.426+/-35.566 χ^2/NDF: 3176.4/47

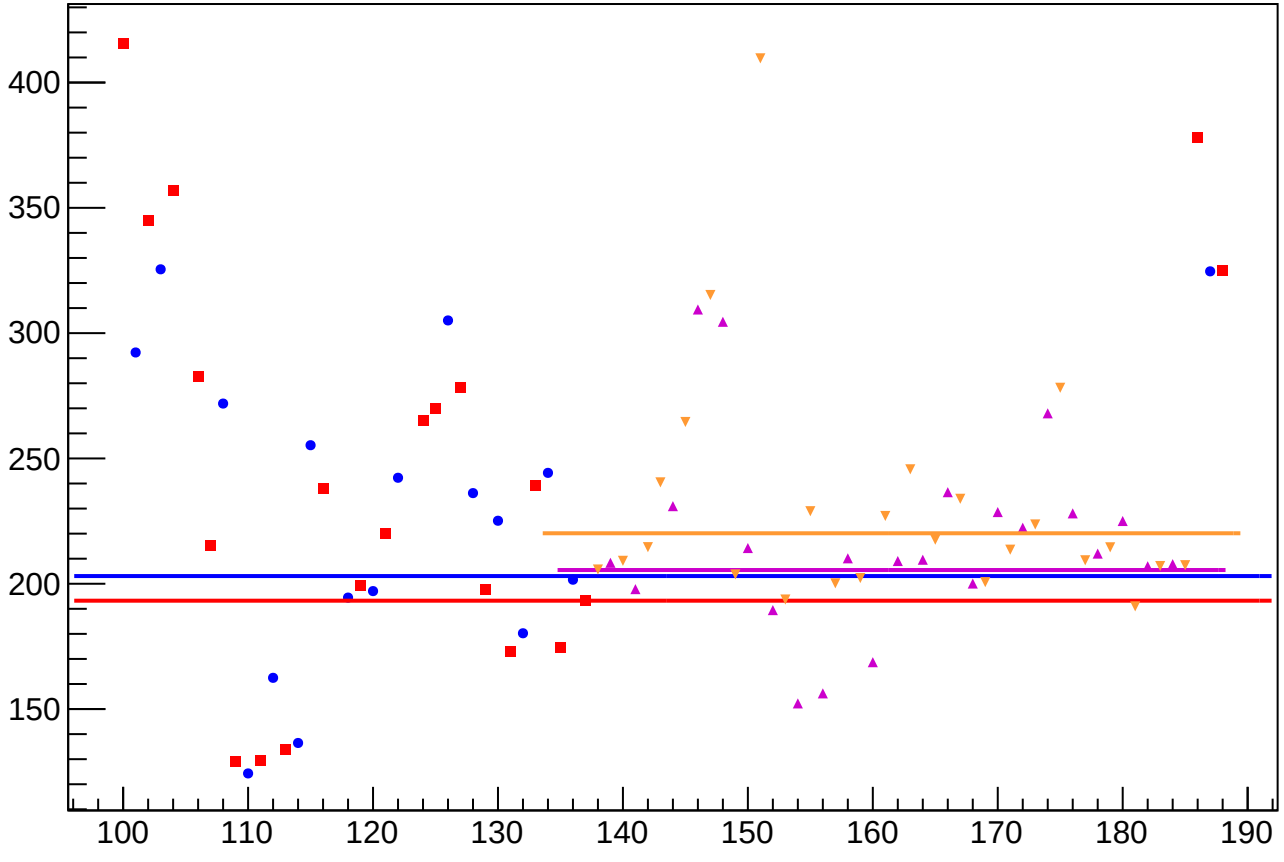
Right: -273.013+/-52.273 χ^2/NDF: 3216.6/37

In: 210.506+/-41.890 χ^2/NDF:1798.3/39

Out: 383.114+/-41.287 χ^2/NDF:4760.7/45

All: 298.063+/-29.405 χ^2/NDF: 6567.6/85

asym_bpm0l09WS_rms vs Slug, Sign Corrected



Right In: 203.070+/-0.056 χ^2/NDF: 977689.5/16

Left Out: 220.145+/-0.036 χ^2/NDF:799699.4/24

Right Out: 193.242+/-0.050 χ^2/NDF: 1946105.2/20

Left In: 205.481+/-0.035 χ^2/NDF:1013965.4/22

Left: 212.582+/-0.025 χ^2/NDF: 1898571.5/47

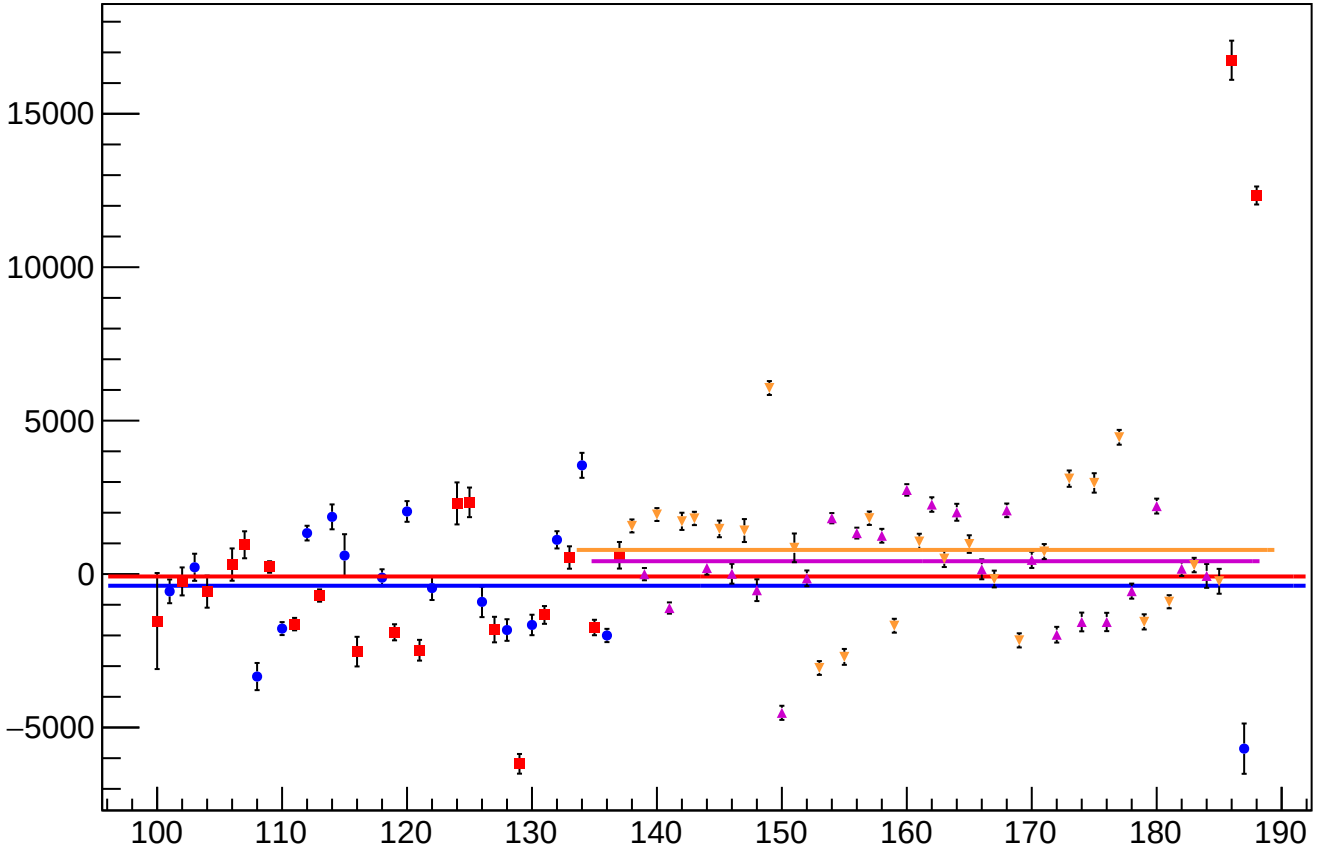
Right: 197.596+/-0.037 χ^2/NDF: 2941238.7/37

In: 204.795+/-0.030 χ^2/NDF:1993004.1/39

Out: 210.797+/-0.029 χ^2/NDF:2938345.5/45

All: 207.840+/-0.021 χ^2/NDF: 4952175.3/85

asym_bpm0l10WS_mean vs Slug, Sign Corrected



Right In: -380.426+/-79.983 χ^2/NDF: 478.8/16

Left Out: 786.922+/-50.524 χ^2/NDF:1937.6/24

Right Out: -78.402+/-70.771 χ^2/NDF: 3172.4/20

Left In: 418.824+/-49.152 χ^2/NDF:1211.0/22

Left: 597.806+/-35.231 χ^2/NDF: 3175.8/47

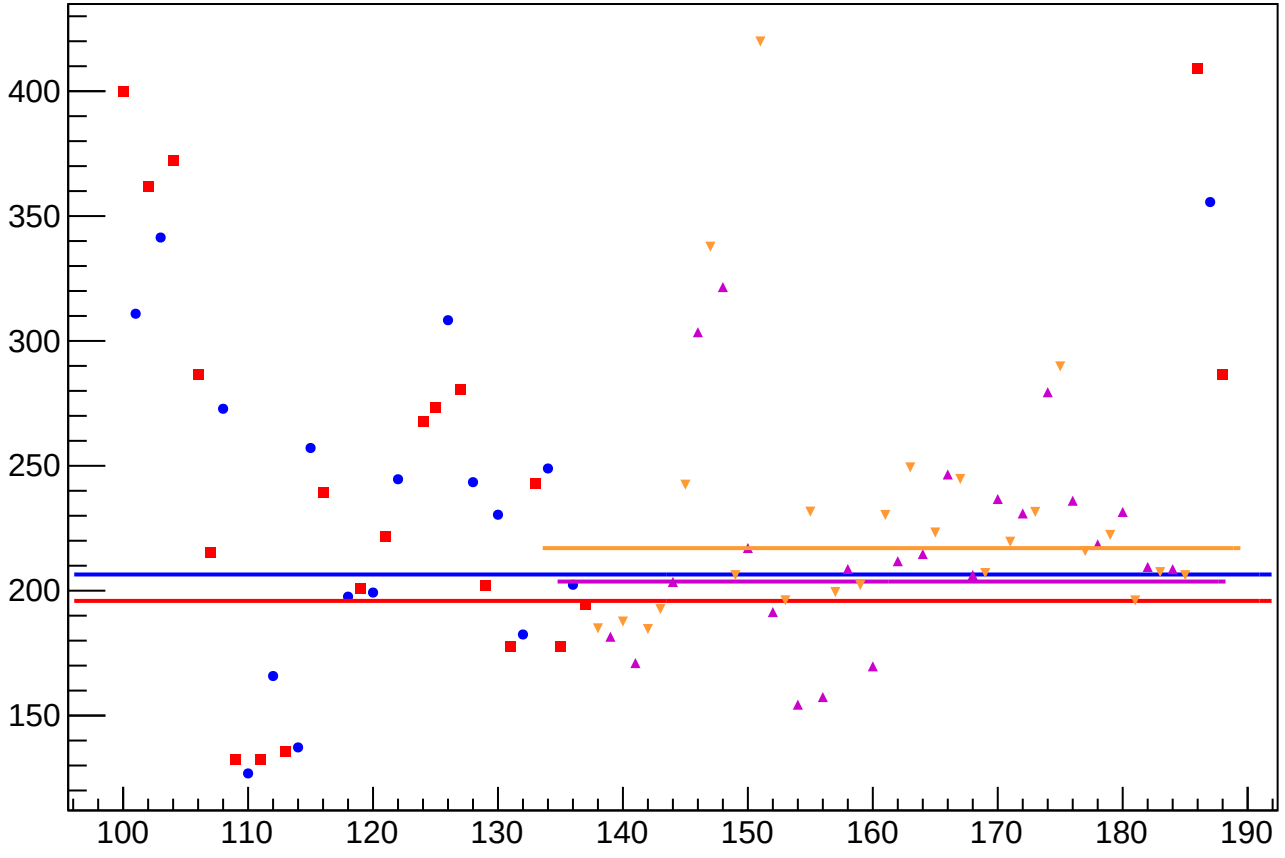
Right: -211.026+/-53.002 χ^2/NDF: 3659.2/37

In: 199.733+/-41.877 χ^2/NDF:1762.2/39

Out: 494.787+/-41.120 χ^2/NDF:5209.0/45

All: 349.948+/-29.340 χ^2/NDF: 6996.6/85

asym_bpm0l10WS_rms vs Slug, Sign Corrected



Right In: 206.487+/-0.057 χ^2/NDF: 1029907.4/16

Left Out: 217.040+/-0.036 χ^2/NDF:983170.6/24

Right Out: 195.911+/-0.050 χ^2/NDF: 1850597.4/20

Left In: 203.660+/-0.035 χ^2/NDF:1165334.8/22

Left: 210.166+/-0.025 χ^2/NDF: 2220567.5/47

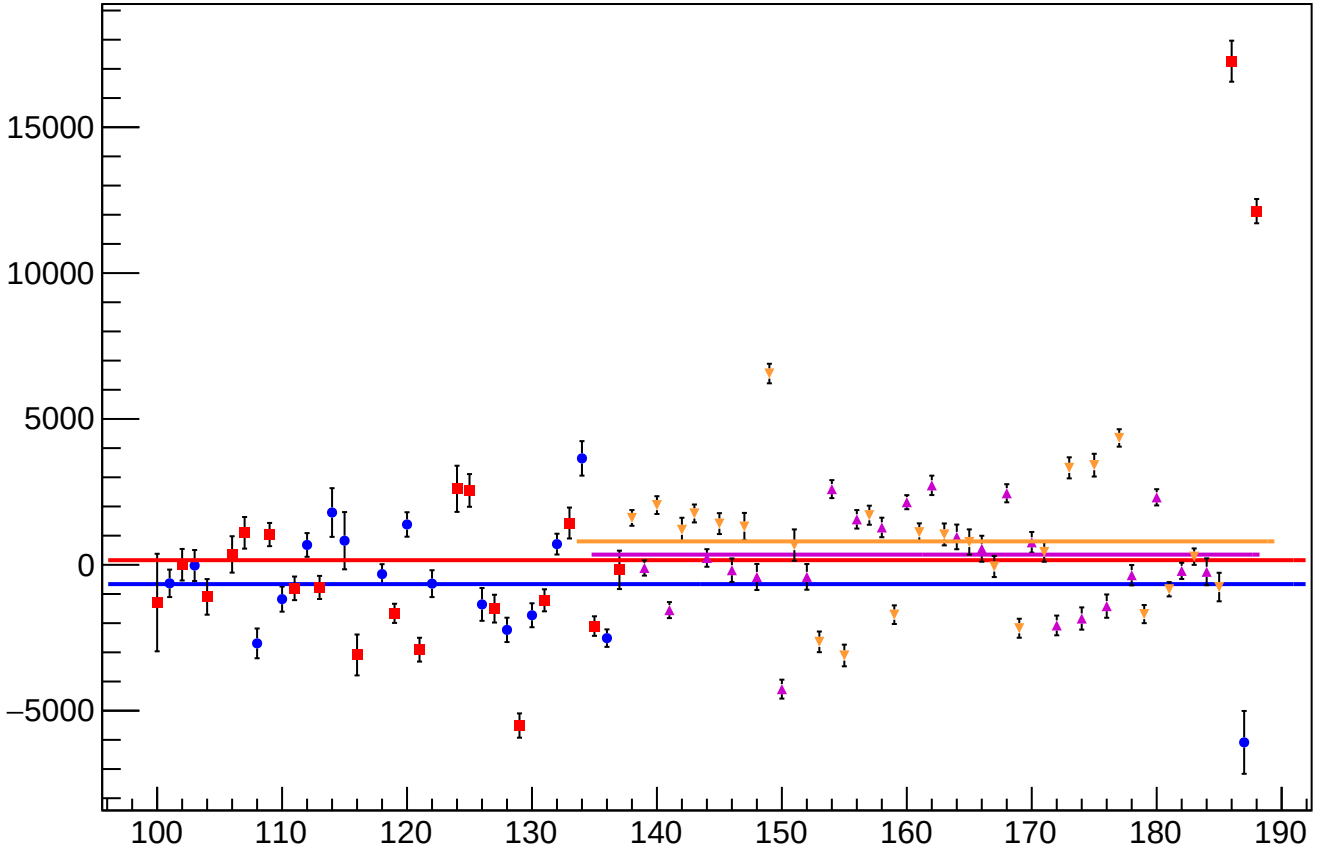
Right: 200.555+/-0.037 χ^2/NDF: 2900115.6/37

In: 204.435+/-0.030 χ^2/NDF:2197055.6/39

Out: 209.907+/-0.029 χ^2/NDF:2951848.1/45

All: 207.221+/-0.021 χ^2/NDF: 5166289.6/85

asym_bpm0r03WS_mean vs Slug, Sign Corrected



Right In: -661.172+/-110.113 χ^2/NDF: 219.2/16

Left Out: 803.752+/-67.693 χ^2/NDF:1057.7/24

Right Out: 159.238+/-103.637 χ^2/NDF: 1840.1/20

Left In: 350.095+/-68.985 χ^2/NDF:656.1/22

Left: 581.210+/-48.316 χ^2/NDF: 1735.8/47

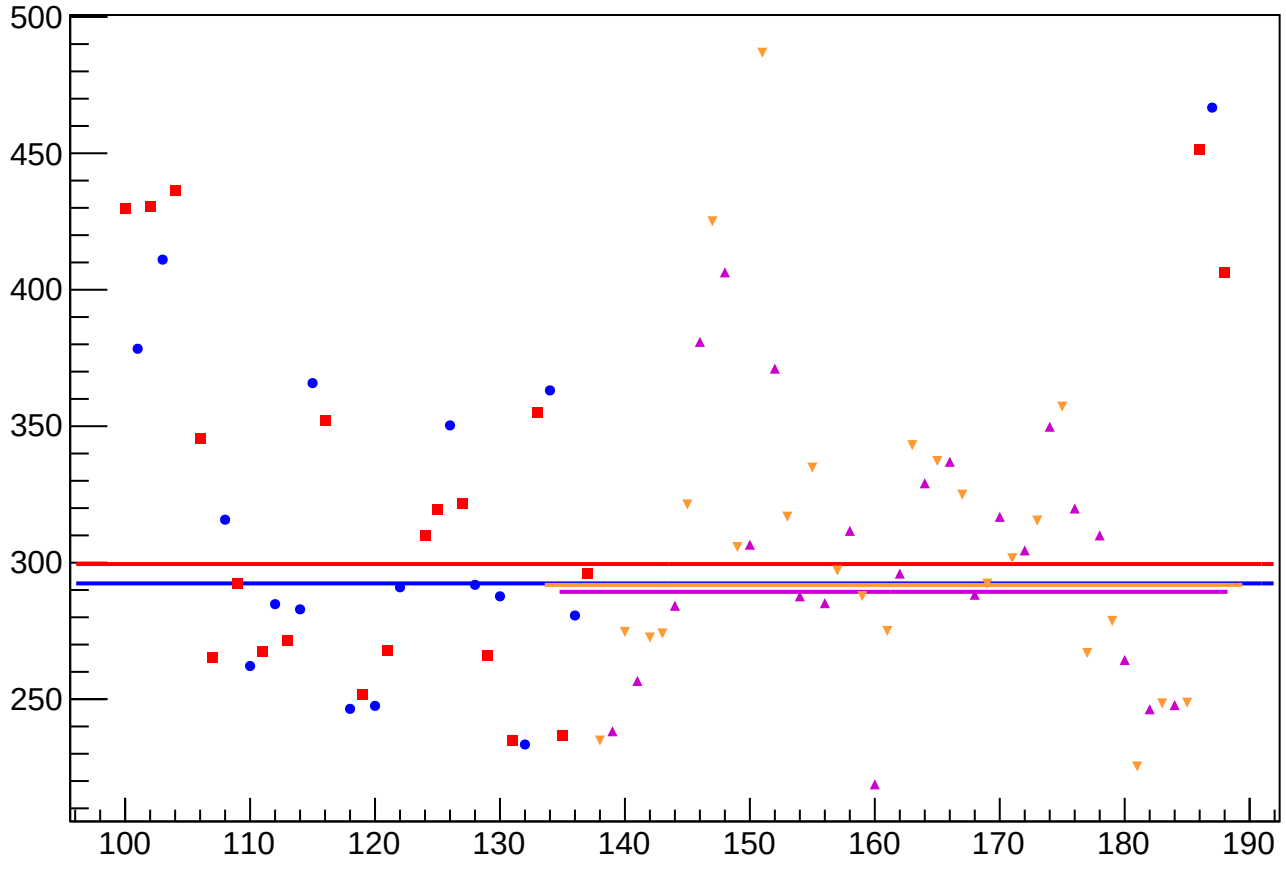
Right: -226.137+/-75.468 χ^2/NDF: 2088.7/37

In: 65.056+/-58.460 χ^2/NDF:935.9/39

Out: 611.011+/-56.674 χ^2/NDF:2924.9/45

All: 346.497+/-40.691 χ^2/NDF: 3905.7/85

asym_bpm0r03WS_rms vs Slug, Sign Corrected



Right In: 292.408+/-0.078 χ^2/NDF: 412763.9/16

Left Out: 291.882+/-0.048 χ^2/NDF:959919.3/24

Right Out: 299.505+/-0.073 χ^2/NDF: 733948.1/20

Left In: 289.321+/-0.049 χ^2/NDF:808605.3/22

Left: 290.626+/-0.034 χ^2/NDF: 1769929.4/47

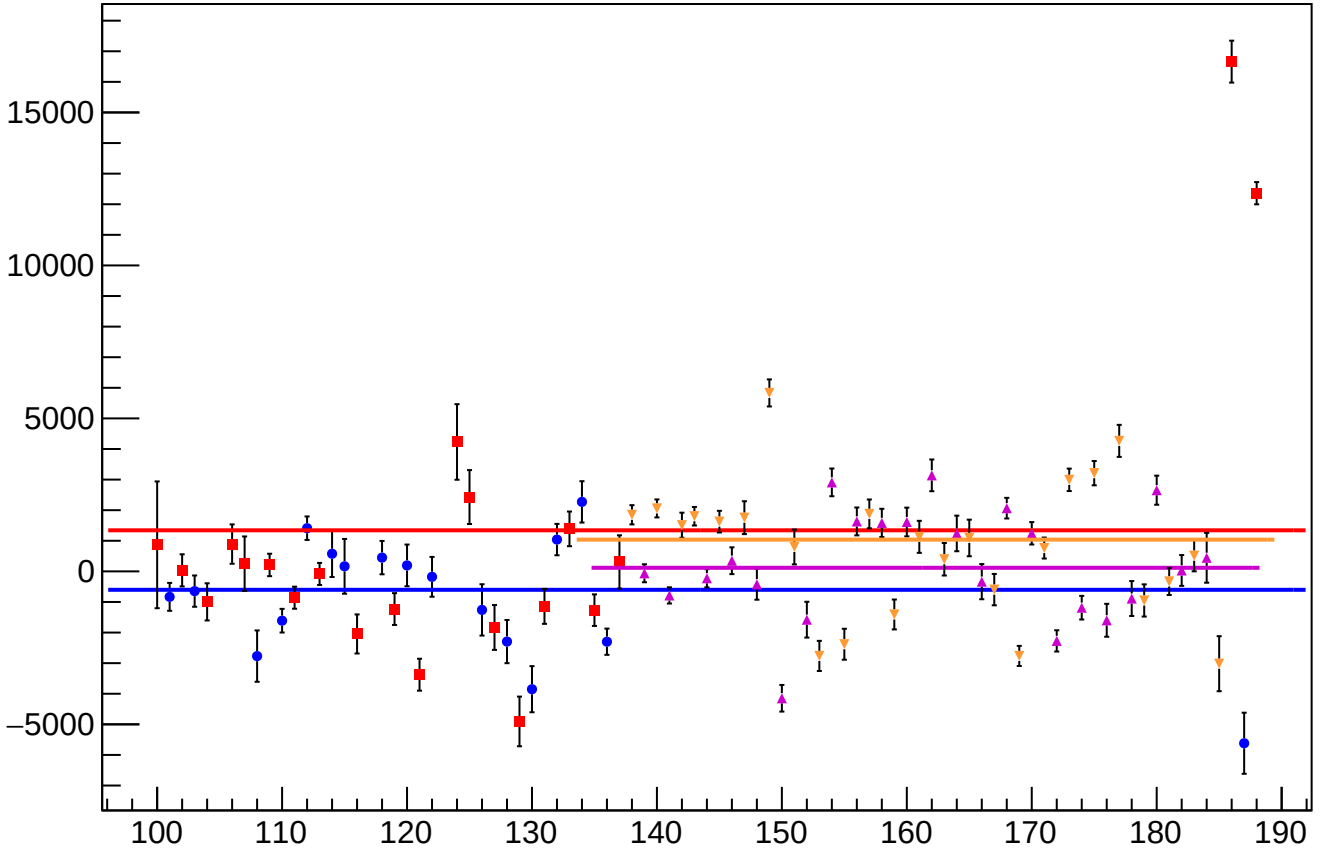
Right: 296.171+/-0.053 χ^2/NDF: 1151117.5/37

In: 290.191+/-0.041 χ^2/NDF:1222498.1/39

Out: 294.162+/-0.040 χ^2/NDF:1701451.3/45

All: 292.238+/-0.029 χ^2/NDF: 2928706.3/85

asym_bpm0r05WS_mean vs Slug, Sign Corrected



Right In: -602.340+/-138.700 χ^2/NDF: 144.0/16

Left Out: 1037.330+/-85.200 χ^2/NDF:570.2/24

Right Out: 1342.391+/-120.186 χ^2/NDF: 1770.2/20

Left In: 117.211+/-87.461 χ^2/NDF:370.4/22

Left: 589.317+/-61.029 χ^2/NDF: 997.4/47

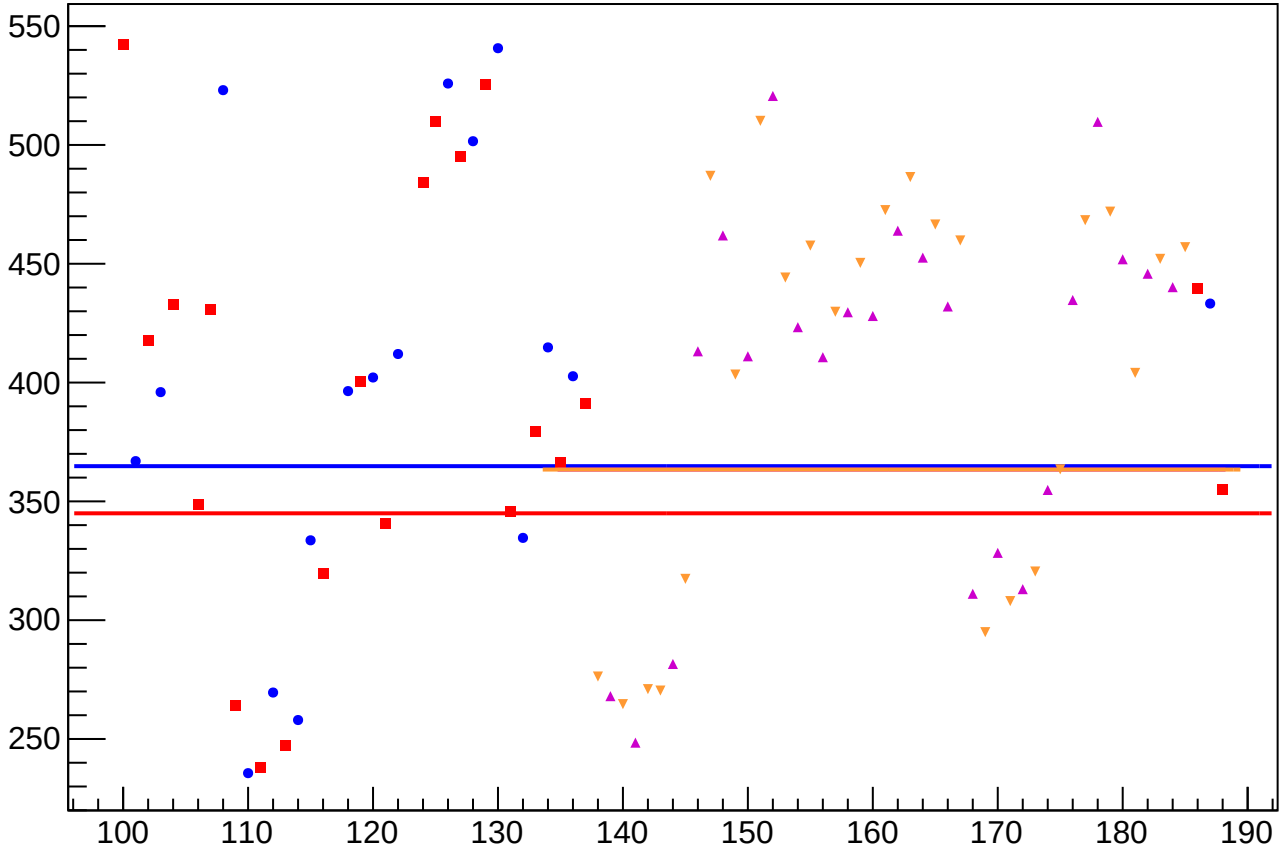
Right: 508.396+/-90.830 χ^2/NDF: 2026.4/37

In: -87.502+/-73.981 χ^2/NDF:533.6/39

Out: 1139.362+/-69.507 χ^2/NDF:2344.7/45

All: 564.148+/-50.657 χ^2/NDF: 3024.3/85

asym_bpm0r05WS_rms vs Slug, Sign Corrected



Right In: 364.817+/-0.098 χ^2/NDF: 790469.7/16

Left Out: 363.387+/-0.060 χ^2/NDF:1940497.4/24

Right Out: 344.973+/-0.085 χ^2/NDF: 898313.3/20

Left In: 363.386+/-0.062 χ^2/NDF:1711599.2/22

Left: 363.387+/-0.043 χ^2/NDF: 3652096.5/47

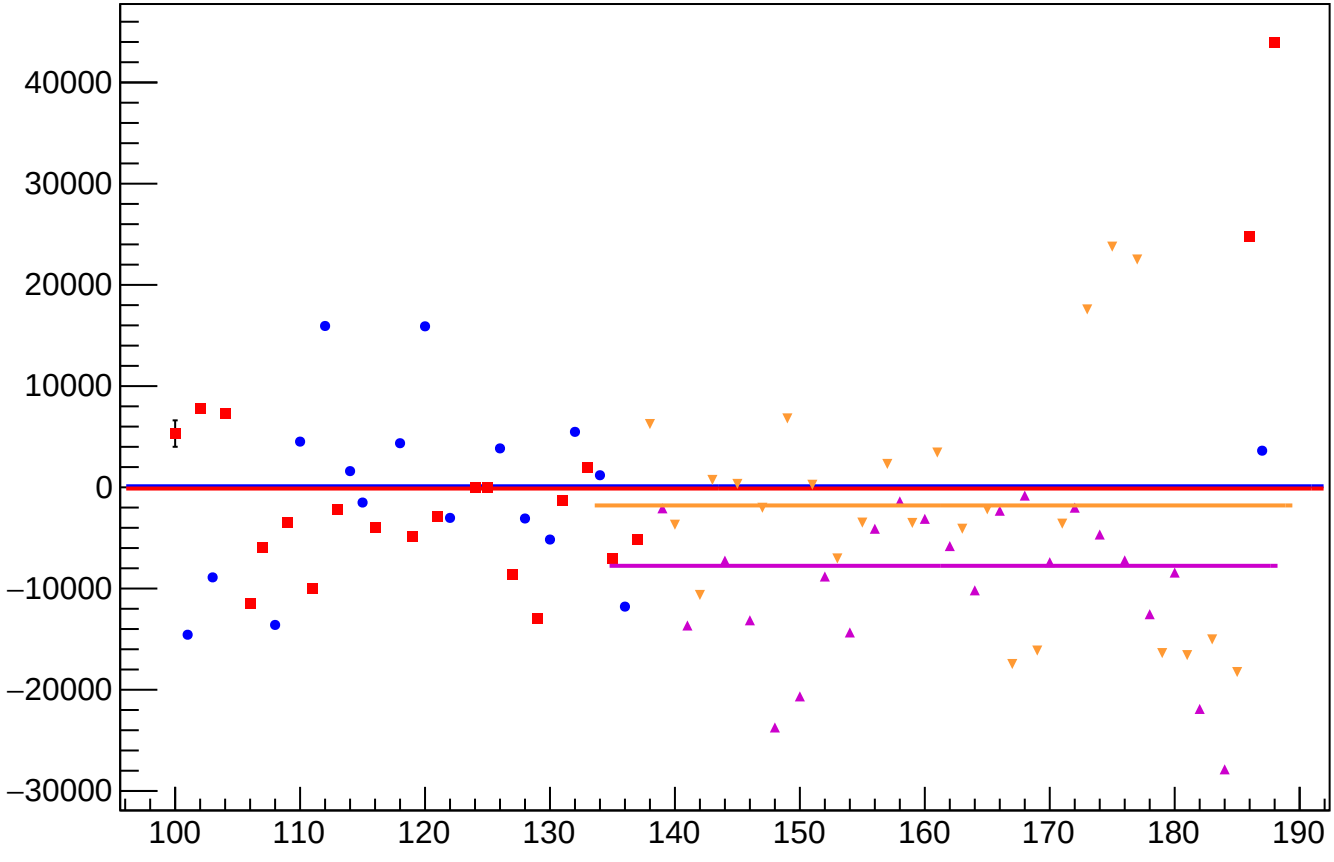
Right: 353.483+/-0.064 χ^2/NDF: 1712166.3/37

In: 363.793+/-0.052 χ^2/NDF:2502221.2/39

Out: 357.228+/-0.049 χ^2/NDF:2870057.2/45

All: 360.306+/-0.036 χ^2/NDF: 5380644.4/85

asym_bpm0i02WS_mean vs Slug, Sign Corrected



Right In: 103.776+/-53.721 χ^2/NDF: 30862.9/16

Left Out: -1790.289+/-40.910 χ^2/NDF:65745.9/24

Right Out: -120.233+/-49.253 χ^2/NDF: 83613.3/20

Left In: -7754.468+/-42.571 χ^2/NDF:23278.0/22

Left: -4653.749+/-29.498 χ^2/NDF: 99228.2/47

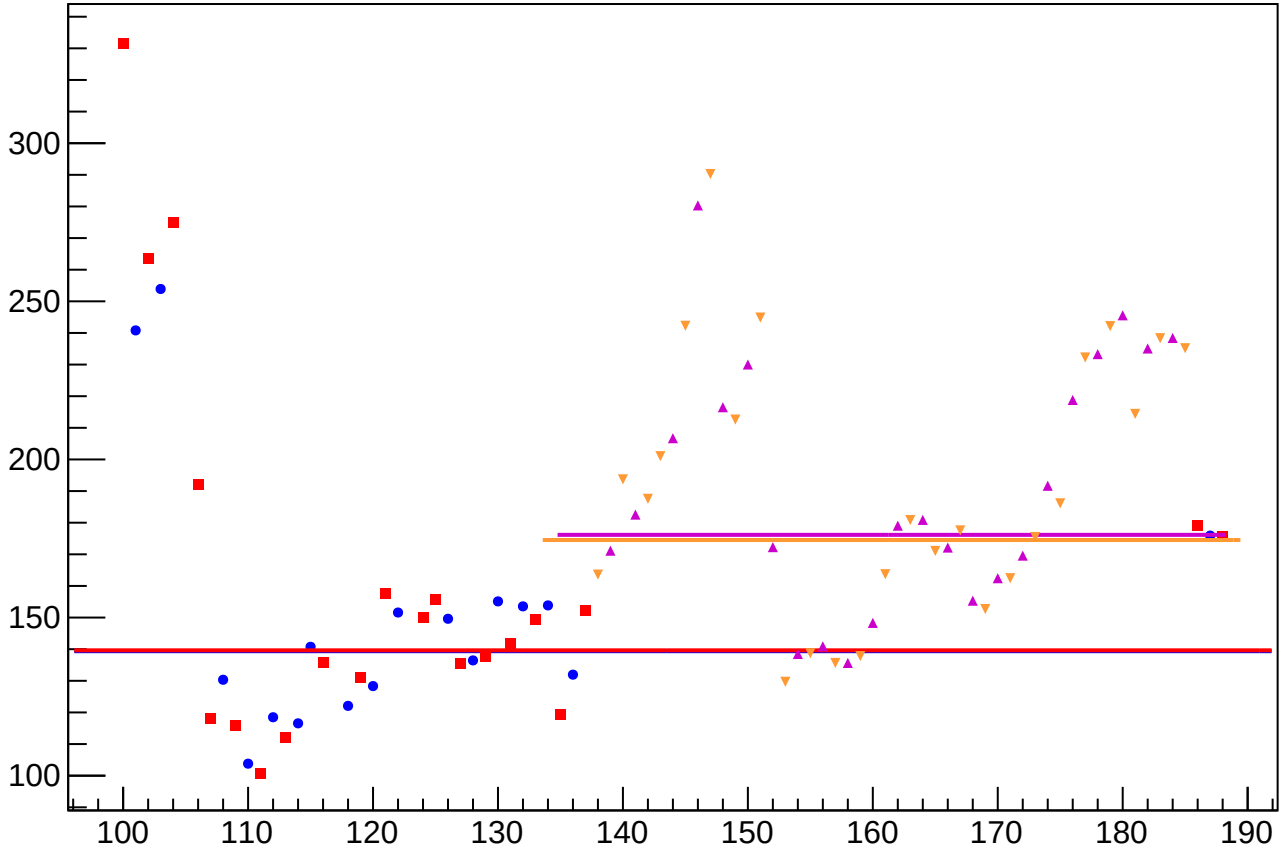
Right: -17.929+/-36.304 χ^2/NDF: 114485.7/37

In: -4723.202+/-33.365 χ^2/NDF:67284.7/39

Out: -1108.487+/-31.470 χ^2/NDF:150039.6/45

All: -2810.294+/-22.893 χ^2/NDF: 223535.6/8

asym_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 139.365+/-0.038 χ^2/NDF: 674344.4/16

Left Out: 174.520+/-0.029 χ^2/NDF:1659469.6/24

Right Out: 139.640+/-0.035 χ^2/NDF: 1024339.2/20

Left In: 176.155+/-0.030 χ^2/NDF:1367059.2/22

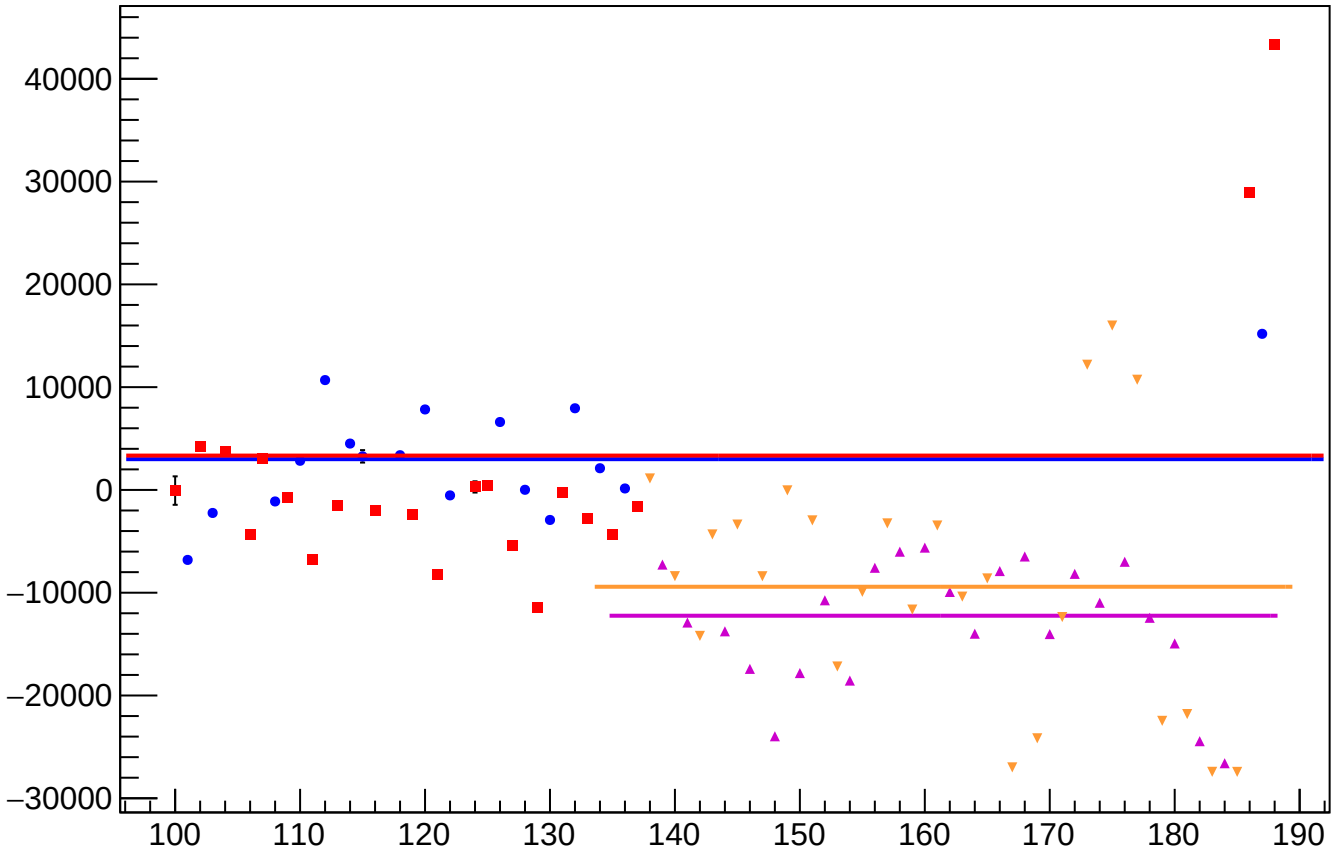
Left: 175.305+/-0.021 χ^2/NDF: 3028060.8/47

Right: 139.515+/-0.026 χ^2/NDF: 1698712.0/37

In: 161.963+/-0.024 χ^2/NDF:2617554.9/39

Out: 160.280+/-0.022 χ^2/NDF:3277366.7/45

All: 161.073+/-0.016 χ^2/NDF: 5897614.2/85



Right In: 2992.782+/-68.485 χ^2/NDF: 4838.9/16

Left Out: -9420.181+/-45.698 χ^2/NDF:64719.0/24

Right Out: 3342.430+/-60.130 χ^2/NDF: 68555.9/20

Left In: -12238.678+/-44.195 χ^2/NDF:16015.8/22

Left: -10876.538+/-31.769 χ^2/NDF: 82700.4/47

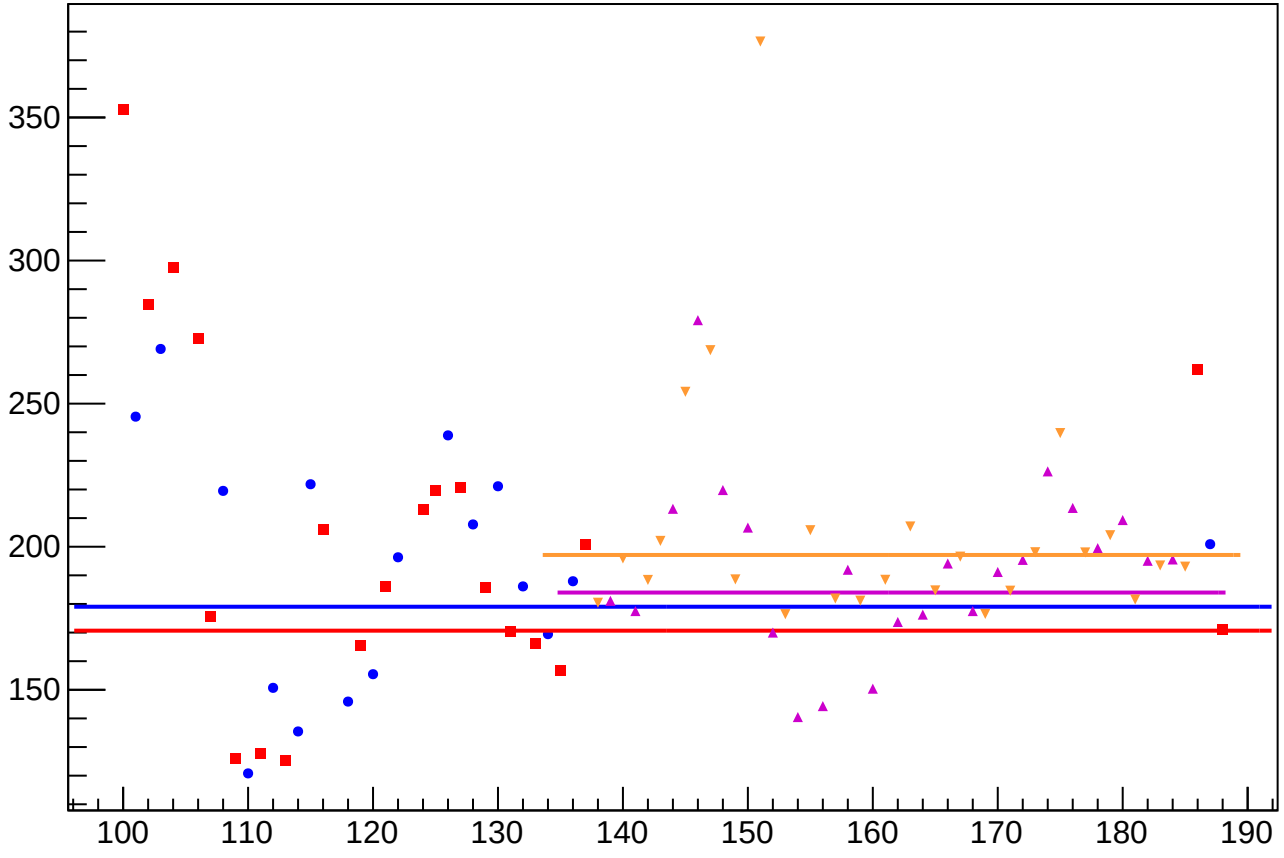
Right: 3190.224+/-45.185 χ^2/NDF: 73409.5/37

In: -7760.528+/-37.134 χ^2/NDF:55776.2/39

Out: -4747.587+/-36.383 χ^2/NDF:161831.4/45

All: -6223.286+/-25.988 χ^2/NDF: 220966.4/8

asym_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 179.030+/-0.048 χ^2/NDF: 679126.7/16

Left Out: 197.122+/-0.032 χ^2/NDF:732529.8/24

Right Out: 170.667+/-0.043 χ^2/NDF: 1081576.3/20

Left In: 183.985+/-0.031 χ^2/NDF:829778.1/22

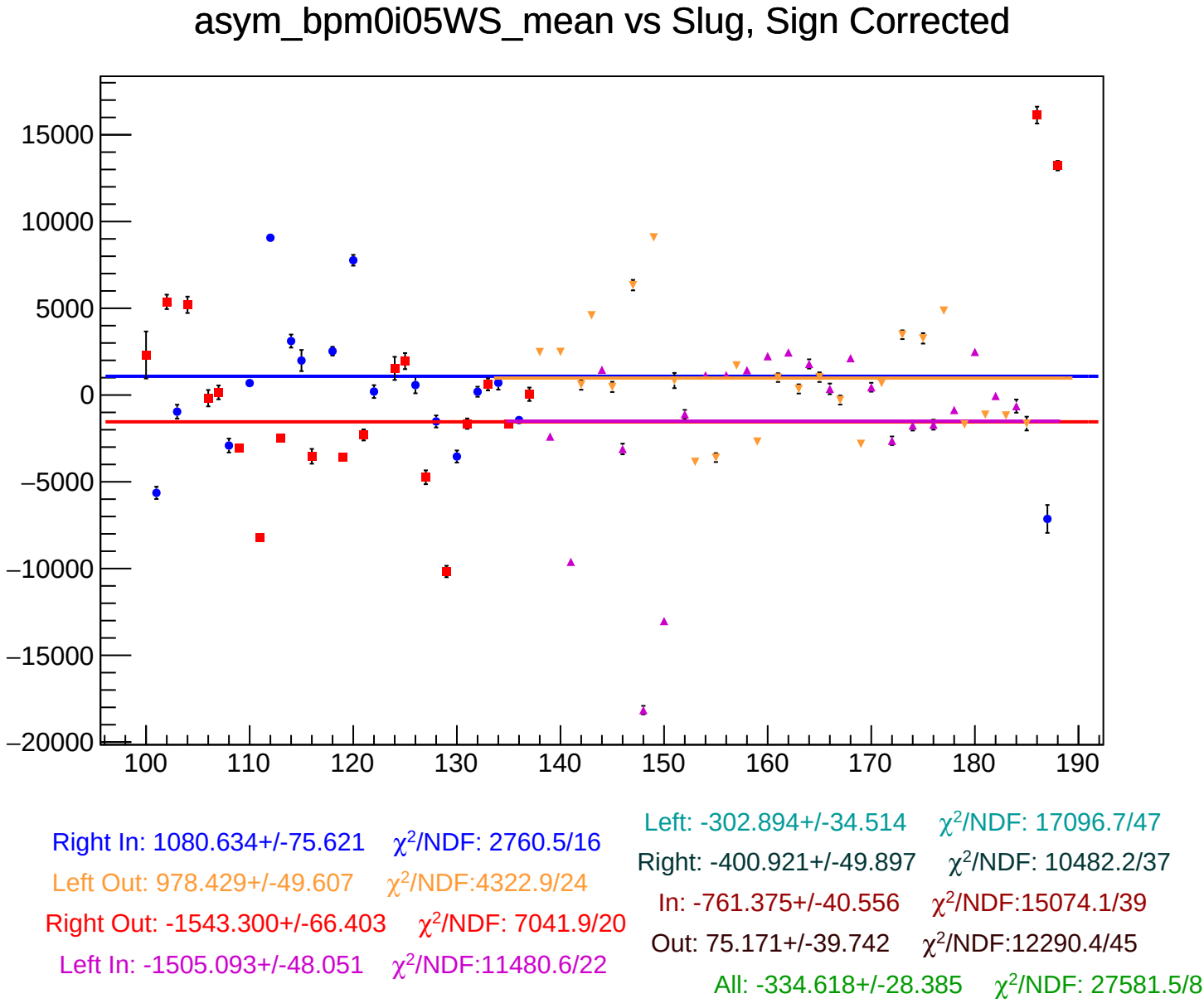
Left: 190.334+/-0.022 χ^2/NDF: 1647711.2/47

Right: 174.307+/-0.032 χ^2/NDF: 1777545.8/37

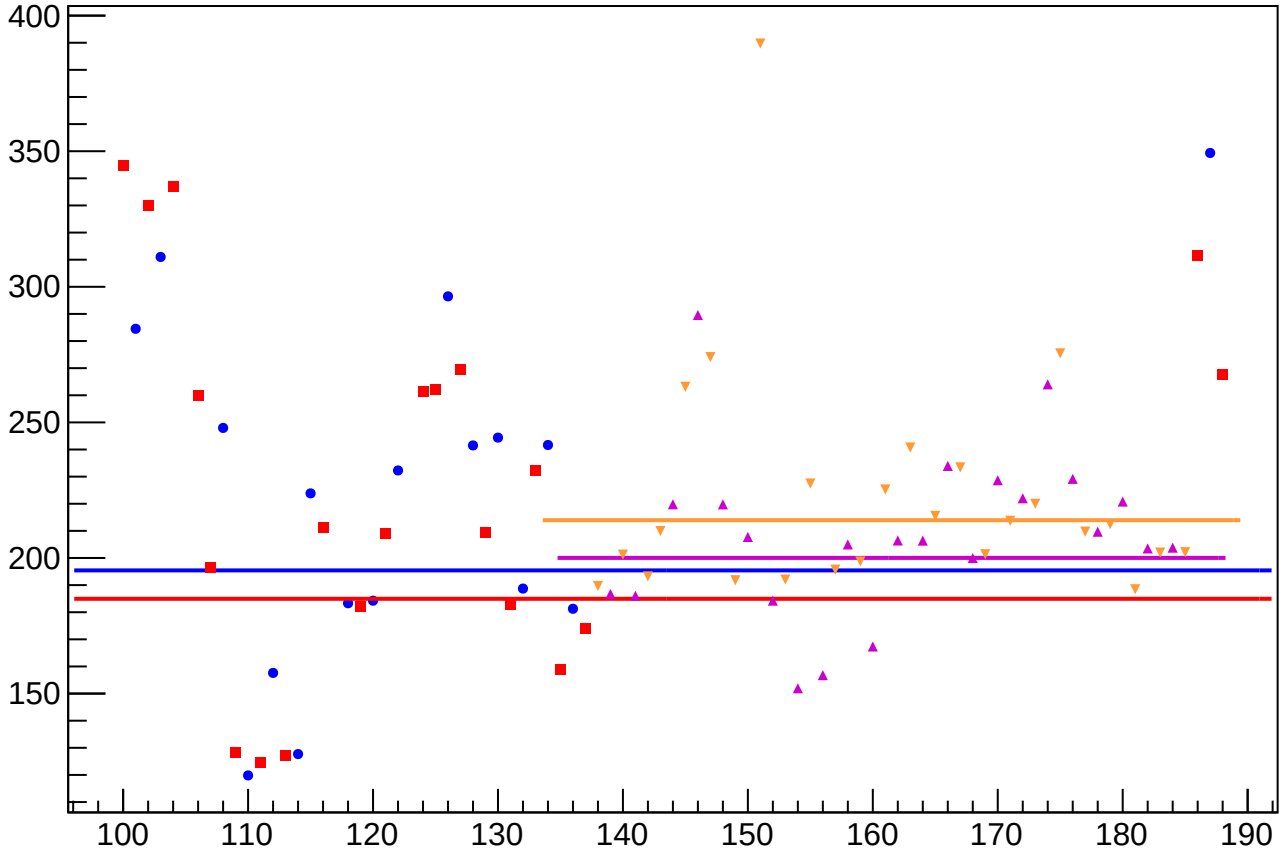
In: 182.529+/-0.026 χ^2/NDF:1516296.9/39

Out: 187.437+/-0.026 χ^2/NDF:2059514.5/45

All: 185.033+/-0.018 χ^2/NDF: 3593636.9/85


asym_bpm0i05WS_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
170
180
190
Right In: 1080.634+/-75.621 χ²/NDF: 2760.5/16
Left Out: 978.429+/-49.607 χ²/NDF:4322.9/24
Right Out: -1543.300+/-66.403 χ²/NDF: 7041.9/20
Left In: -1505.093+/-48.051 χ²/NDF:11480.6/22
Left: -302.894+/-34.514 χ²/NDF: 17096.7/47
Right: -400.921+/-49.897 χ²/NDF: 10482.2/37
In: -761.375+/-40.556 χ²/NDF:15074.1/39
Out: 75.171+/-39.742 χ²/NDF:12290.4/45
All: -334.618+/-28.385 χ²/NDF: 27581.5/85

asym_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 195.423+/-0.053 χ^2/NDF: 1039563.9/16

Left Out: 213.931+/-0.035 χ^2/NDF:733638.6/24

Right Out: 184.947+/-0.047 χ^2/NDF: 1702628.2/20

Left In: 200.031+/-0.034 χ^2/NDF:785525.4/22

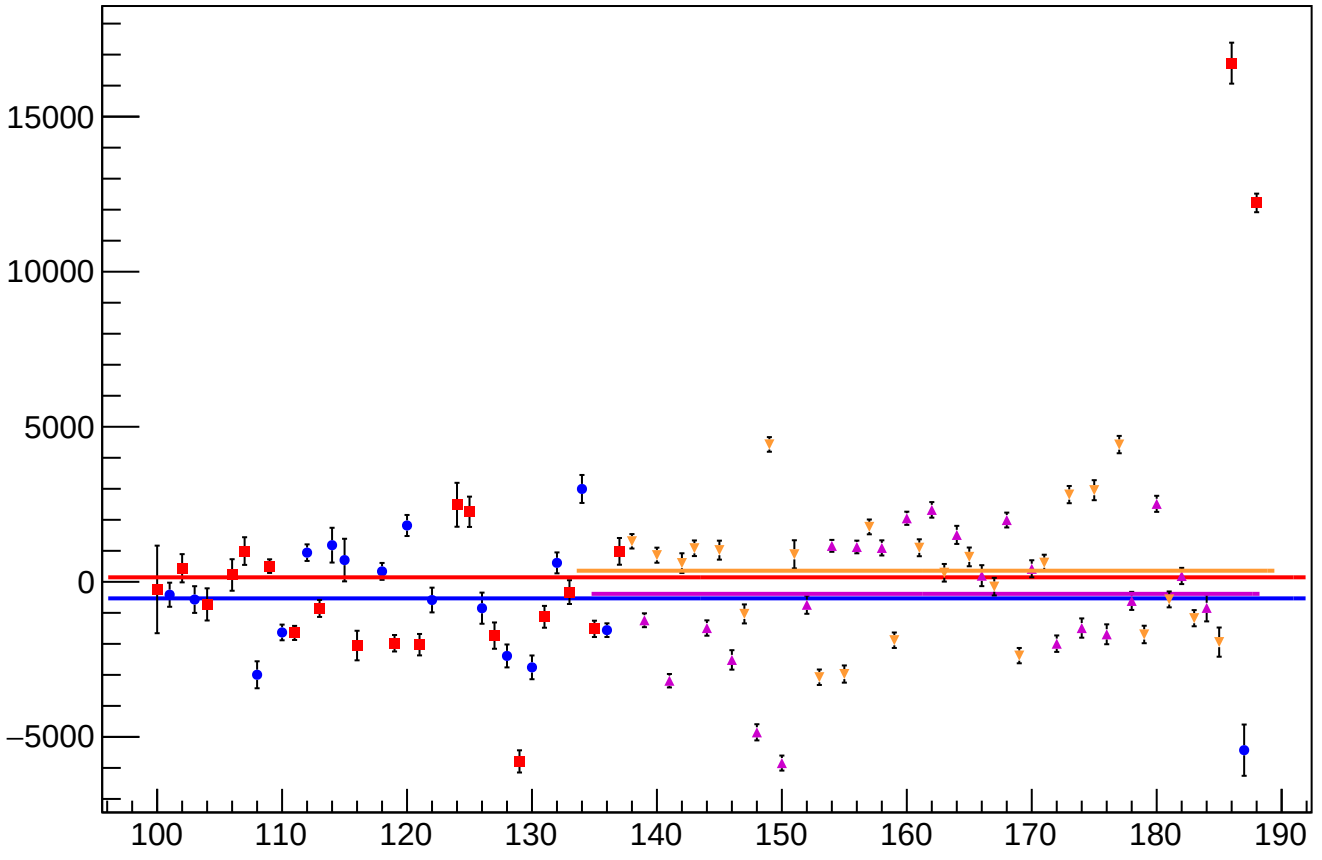
Left: 206.759+/-0.024 χ^2/NDF: 1600185.7/47

Right: 189.508+/-0.035 χ^2/NDF: 2763864.4/37

In: 198.705+/-0.029 χ^2/NDF:1830377.8/39

Out: 203.549+/-0.028 χ^2/NDF:2680818.8/45

All: 201.177+/-0.020 χ^2/NDF: 4525751.8/85



Right In: -533.128+/-86.212 χ^2/NDF: 340.9/16

Left Out: 358.680+/-54.992 χ^2/NDF:1418.9/24

Right Out: 145.786+/-77.602 χ^2/NDF: 2846.7/20

Left In: -386.941+/-53.528 χ^2/NDF:1804.2/22

Left: -24.183+/-38.357 χ^2/NDF: 3317.4/47

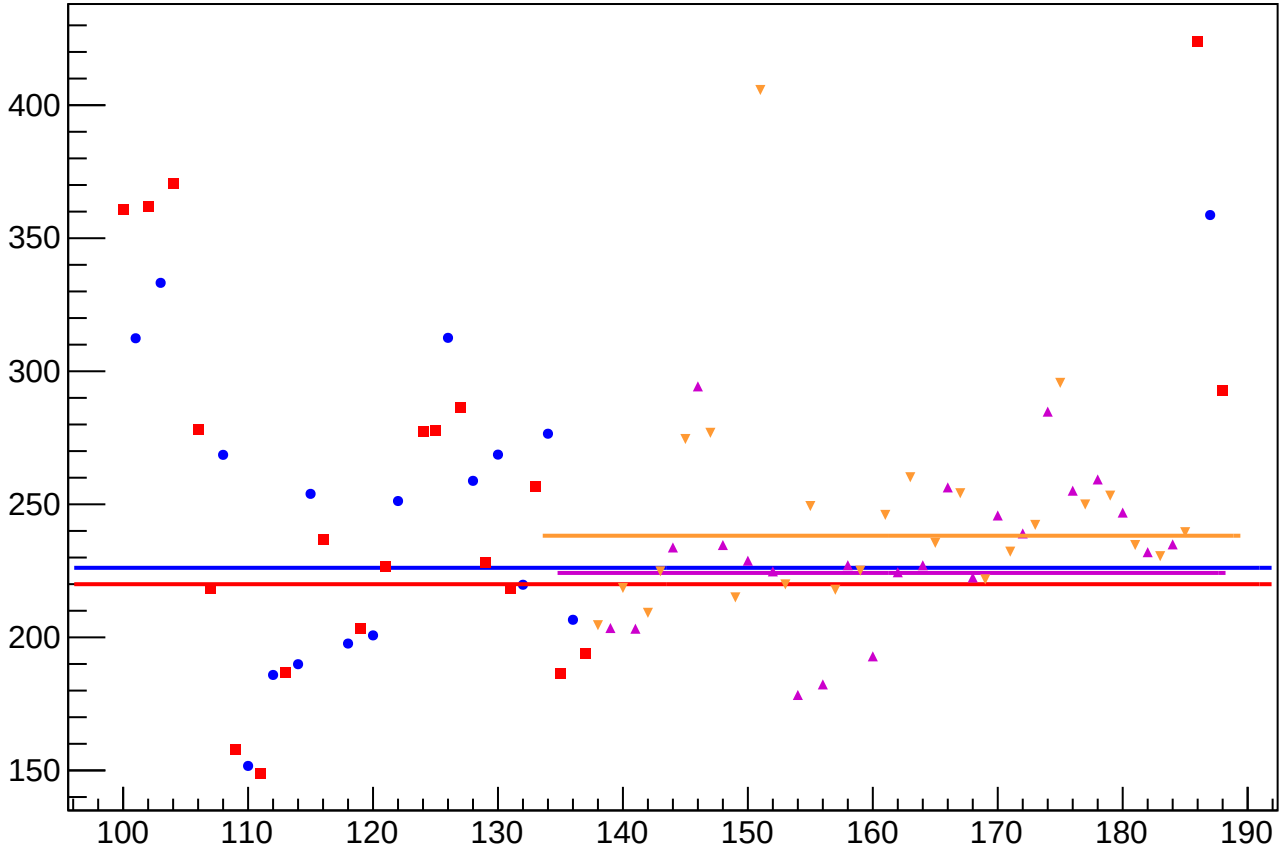
Right: -158.084+/-57.677 χ^2/NDF: 3221.9/37

In: -427.617+/-45.476 χ^2/NDF:2147.1/39

Out: 287.511+/-44.868 χ^2/NDF:4270.6/45

All: -65.243+/-31.939 χ^2/NDF: 6543.0/85

asym_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 226.141+/-0.061 χ^2/NDF: 705203.8/16

Left Out: 238.199+/-0.039 χ^2/NDF:567935.3/24

Right Out: 219.982+/-0.055 χ^2/NDF: 1263315.3/20

Left In: 224.212+/-0.038 χ^2/NDF:563231.1/22

Left: 231.017+/-0.027 χ^2/NDF: 1197606.4/47

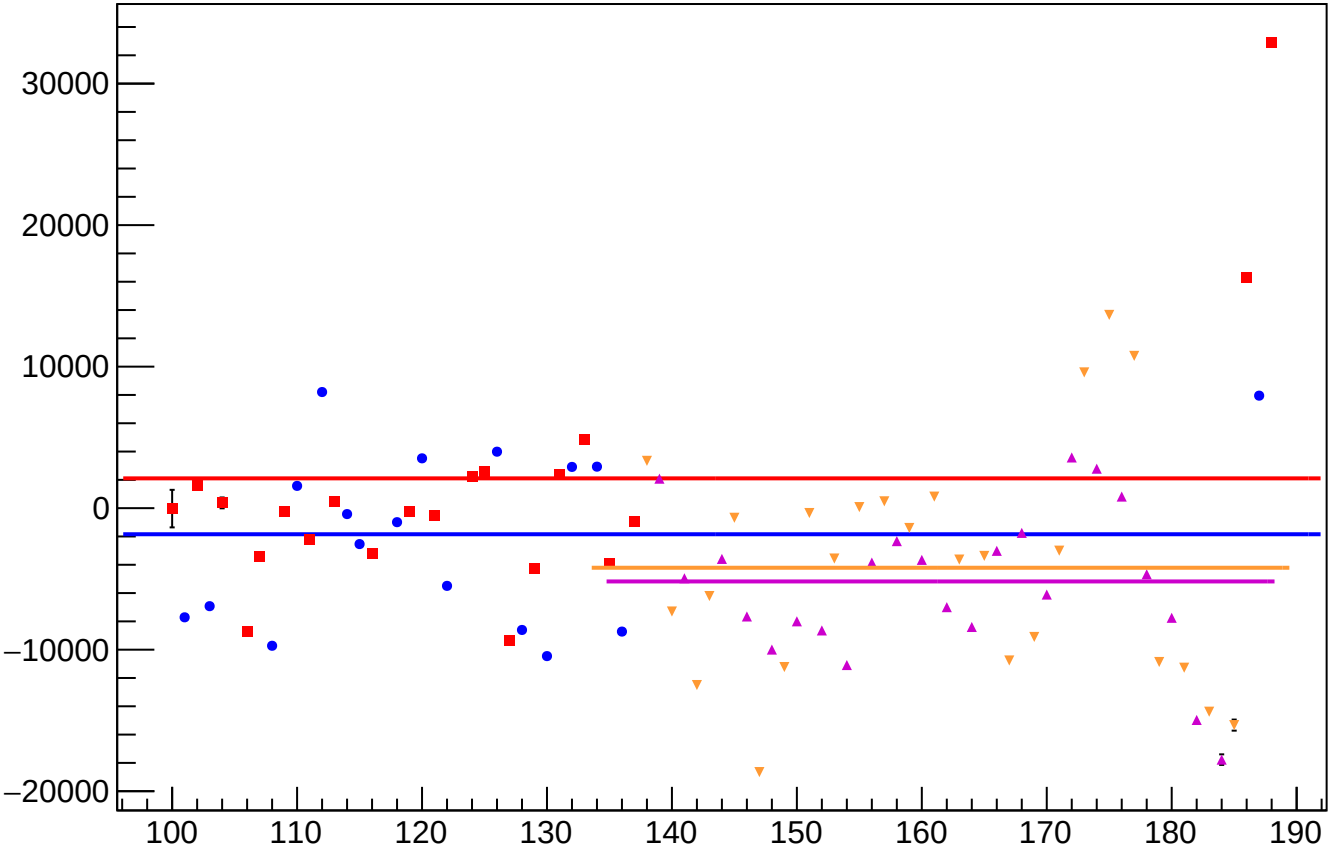
Right: 222.738+/-0.041 χ^2/NDF: 1974158.0/37

In: 224.749+/-0.032 χ^2/NDF:1269157.4/39

Out: 232.109+/-0.032 χ^2/NDF:1904626.5/45

All: 228.478+/-0.023 χ^2/NDF: 3200334.0/85

asym_bpm1i02WS_mean vs Slug, Sign Corrected



Right In: -1843.082+/-46.242 χ^2/NDF: 17644.3/16

Left Out: -4210.601+/-30.828 χ^2/NDF:56802.7/24

Right Out: 2105.336+/-41.971 χ^2/NDF: 62550.1/20

Left In: -5178.213+/-31.969 χ^2/NDF:18541.3/22

Left: -4676.831+/-22.191 χ^2/NDF: 75818.6/47

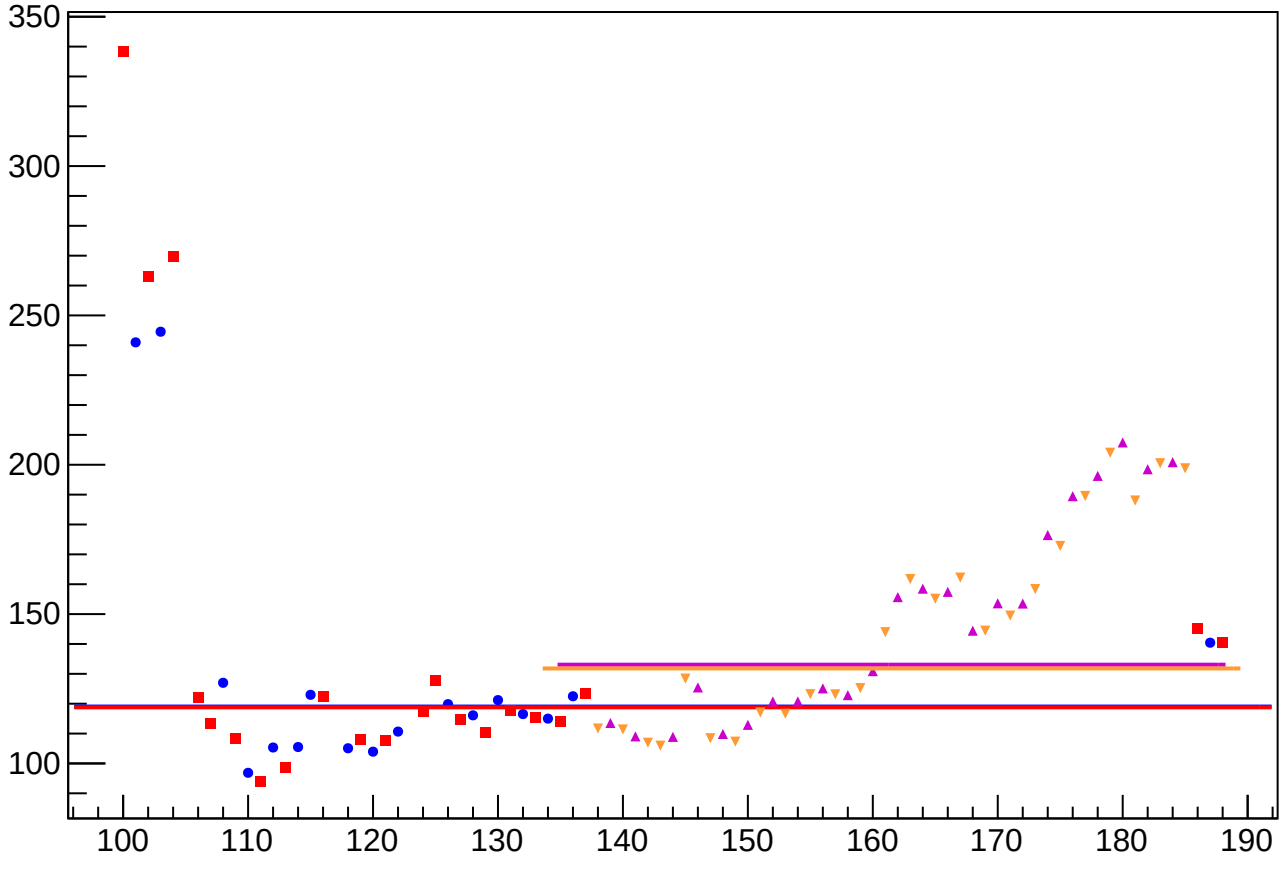
Right: 321.854+/-31.079 χ^2/NDF: 84191.9/37

In: -4099.664+/-26.297 χ^2/NDF:39705.1/39

Out: -1997.236+/-24.846 χ^2/NDF:134062.1/45

All: -2988.863+/-18.060 χ^2/NDF: 177144.3/8

asym_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 119.042+/-0.033 χ^2/NDF: 743072.6/16

Left Out: 131.798+/-0.022 χ^2/NDF:1544340.3/24

Right Out: 118.787+/-0.030 χ^2/NDF: 946626.5/20

Left In: 133.061+/-0.023 χ^2/NDF:1418252.2/22

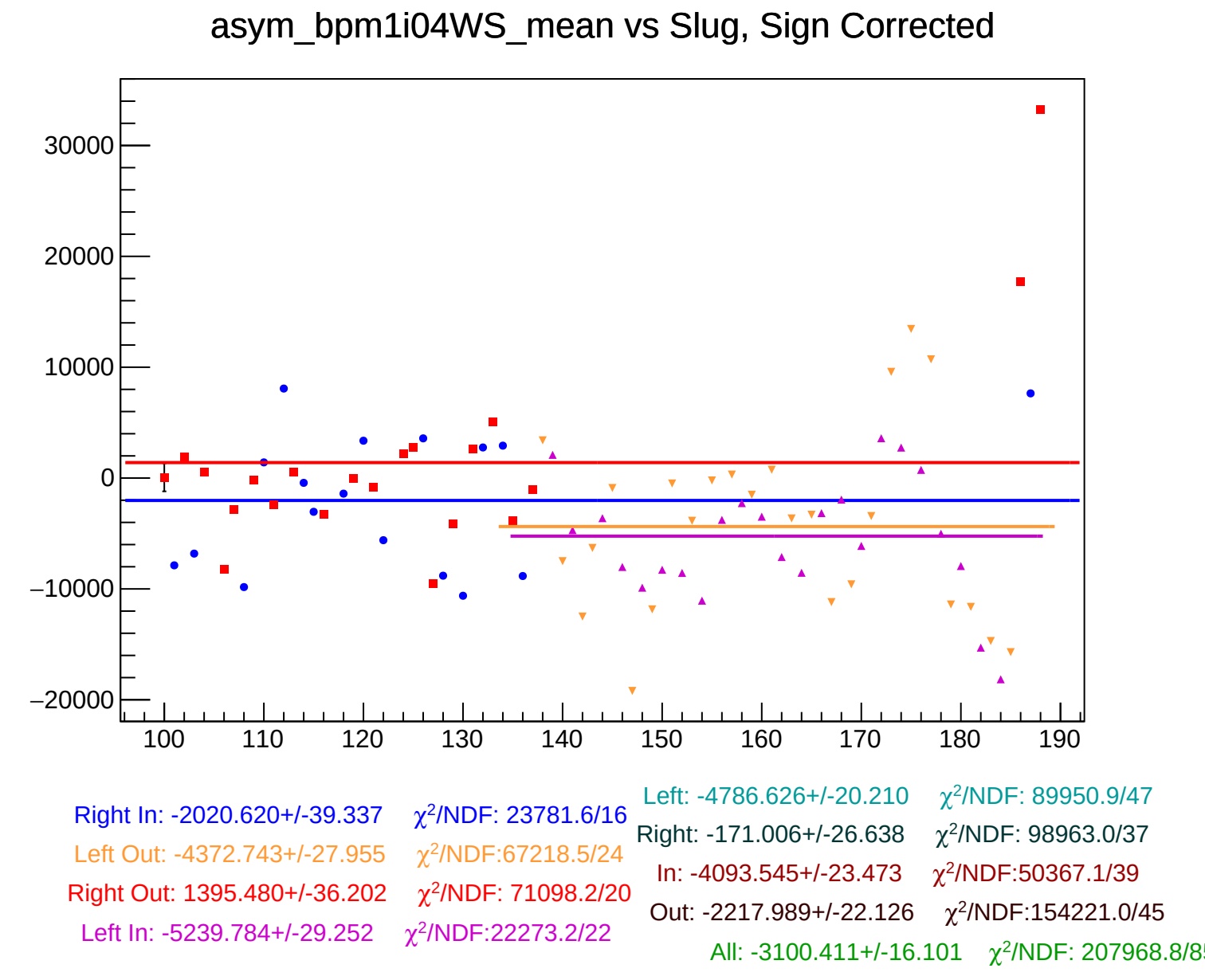
Left: 132.406+/-0.016 χ^2/NDF: 2964211.9/47

Right: 118.902+/-0.022 χ^2/NDF: 1689732.4/37

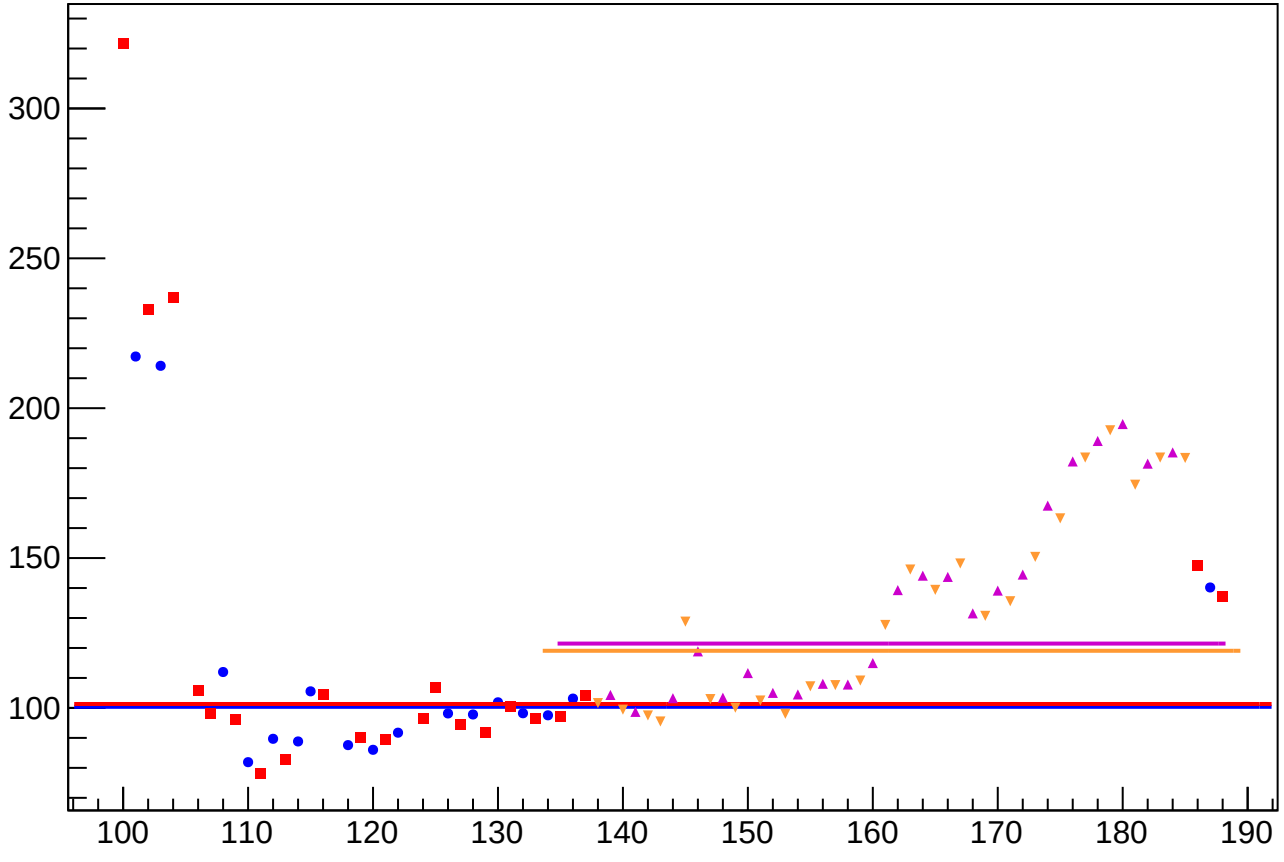
In: 128.527+/-0.019 χ^2/NDF:2285709.2/39

Out: 127.238+/-0.018 χ^2/NDF:2615806.2/45

All: 127.846+/-0.013 χ^2/NDF: 4904055.9/85


asym_bpm1i04WS_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
170
180
190
Right In: -2020.620+/-39.337 χ²/NDF: 23781.6/16
Left Out: -4372.743+/-27.955 χ²/NDF:67218.5/24
Right Out: 1395.480+/-36.202 χ²/NDF: 71098.2/20
Left In: -5239.784+/-29.252 χ²/NDF:22273.2/22
Left: -4786.626+/-20.210 χ²/NDF: 89950.9/47
Right: -171.006+/-26.638 χ²/NDF: 98963.0/37
In: -4093.545+/-23.473 χ²/NDF:50367.1/39
Out: -2217.989+/-22.126 χ²/NDF:154221.0/45
All: -3100.411+/-16.101 χ²/NDF: 207968.8/8

asym_bpm1i04WS_rms vs Slug, Sign Corrected



Right In: 100.373+/-0.028 χ^2/NDF: 839955.6/16

Left Out: 119.064+/-0.020 χ^2/NDF:1755428.3/24

Right Out: 101.312+/-0.026 χ^2/NDF: 1158315.1/20

Left In: 121.468+/-0.021 χ^2/NDF:1529379.8/22

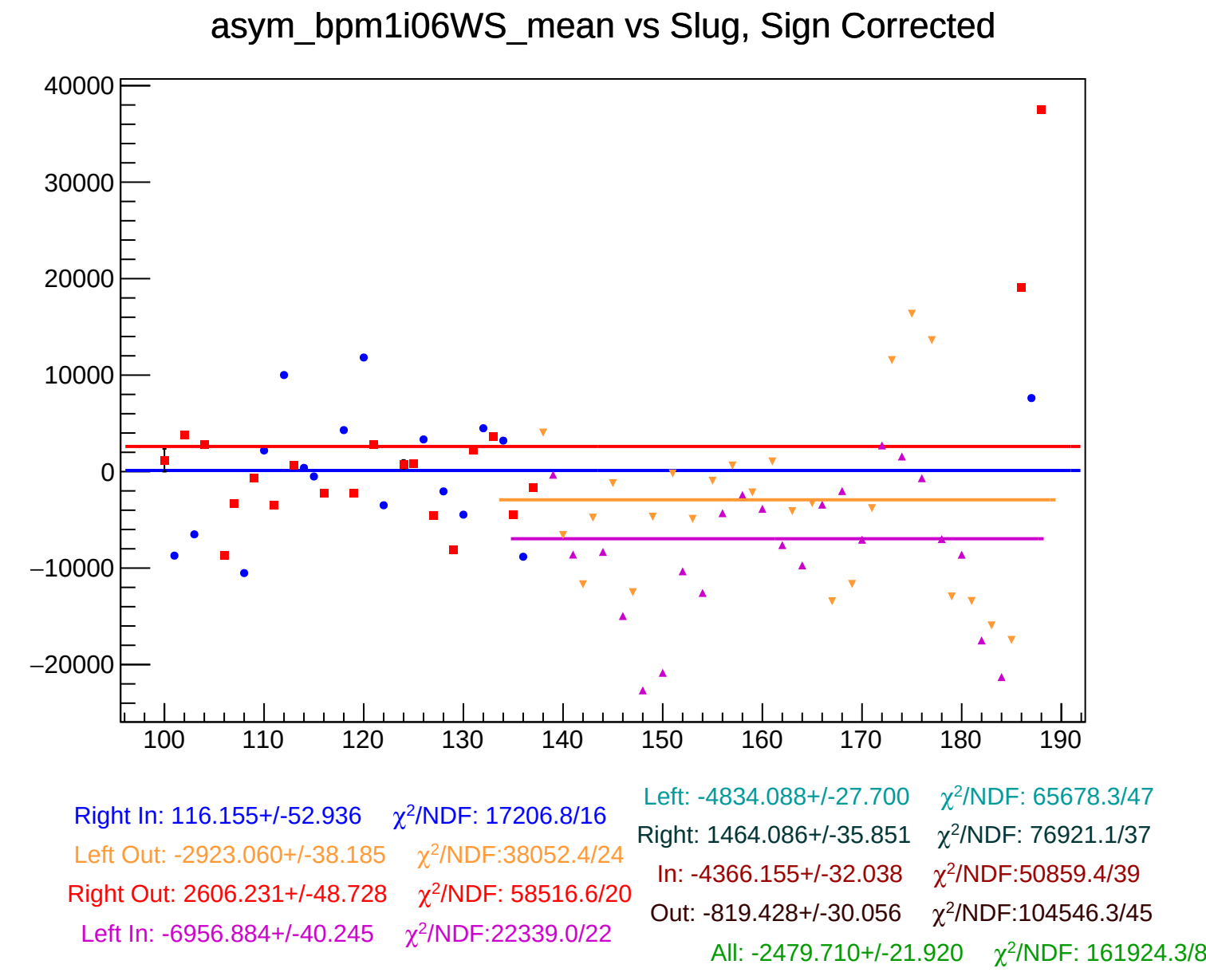
Left: 120.212+/-0.014 χ^2/NDF: 3291866.1/47

Right: 100.881+/-0.019 χ^2/NDF: 1998887.2/37

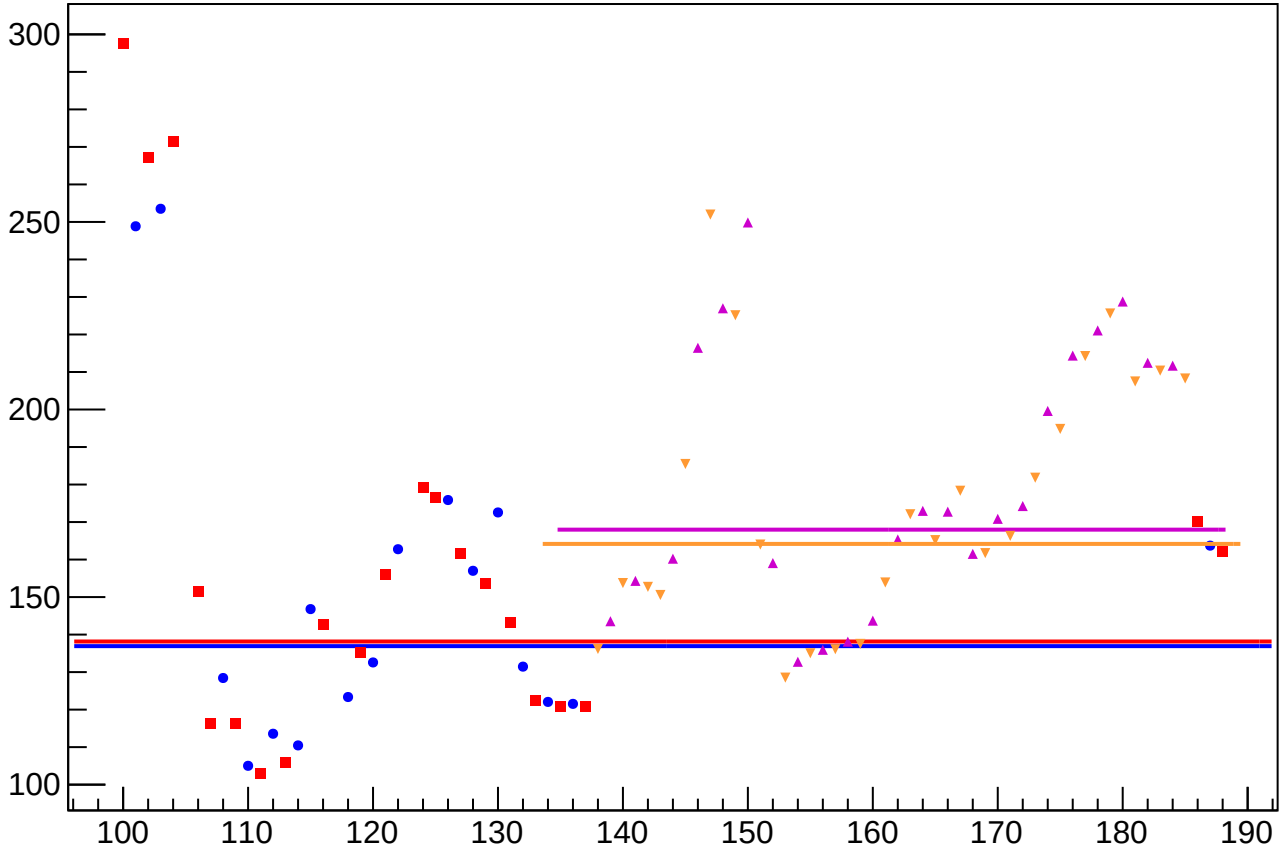
In: 113.957+/-0.017 χ^2/NDF:2739682.5/39

Out: 112.433+/-0.016 χ^2/NDF:3215024.9/45

All: 113.150+/-0.011 χ^2/NDF: 5959171.7/85


asym_bpm1i06WS_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
170
180
190
Right In: 116.155+/-52.936 χ²/NDF: 17206.8/16
Left Out: -2923.060+/-38.185 χ²/NDF:38052.4/24
Right Out: 2606.231+/-48.728 χ²/NDF: 58516.6/20
Left In: -6956.884+/-40.245 χ²/NDF:22339.0/22
Left: -4834.088+/-27.700 χ²/NDF: 65678.3/47
Right: 1464.086+/-35.851 χ²/NDF: 76921.1/37
In: -4366.155+/-32.038 χ²/NDF:50859.4/39
Out: -819.428+/-30.056 χ²/NDF:104546.3/45
All: -2479.710+/-21.920 χ²/NDF: 161924.3/8

asym_bpm1i06WS_rms vs Slug, Sign Corrected



Right In: 136.922+/-0.037 χ^2/NDF: 807149.4/16

Left Out: 164.172+/-0.027 χ^2/NDF:1224405.6/24

Right Out: 138.160+/-0.034 χ^2/NDF: 999247.0/20

Left In: 167.975+/-0.028 χ^2/NDF:1222745.4/22

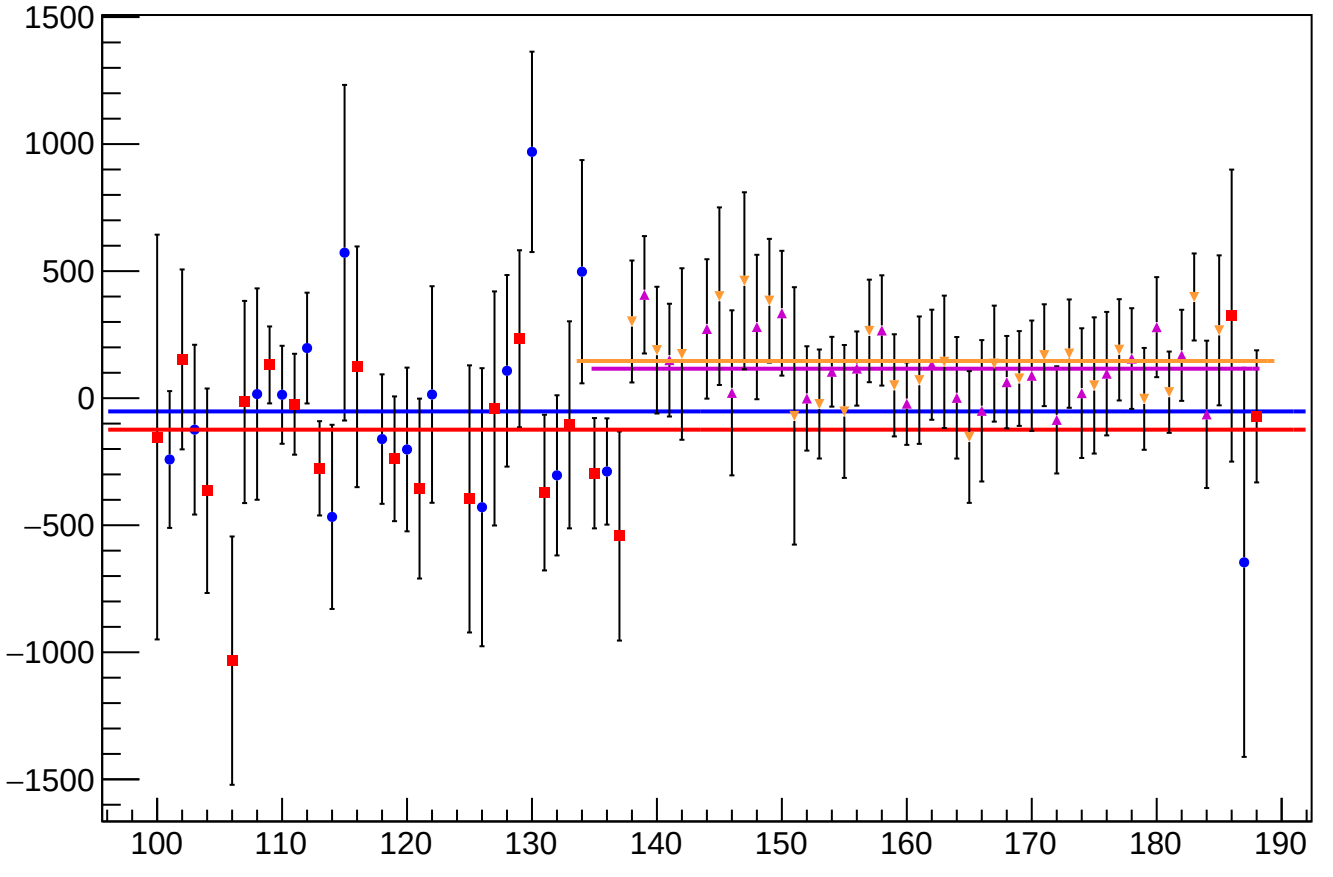
Left: 165.974+/-0.020 χ^2/NDF: 2456548.5/47

Right: 137.592+/-0.025 χ^2/NDF: 1806989.0/37

In: 156.601+/-0.023 χ^2/NDF:2466048.6/39

Out: 154.276+/-0.021 χ^2/NDF:2576754.3/45

All: 155.364+/-0.015 χ^2/NDF: 5048404.8/85



Right In: -52.096+/-75.907 χ^2/NDF: 16.1/16

Left Out: 146.352+/-46.929 χ^2/NDF:10.0/23

Right Out: -123.920+/-65.726 χ^2/NDF: 13.5/19

Left In: 115.974+/-43.605 χ^2/NDF:7.6/22

Left: 130.049+/-31.944 χ^2/NDF: 17.8/46

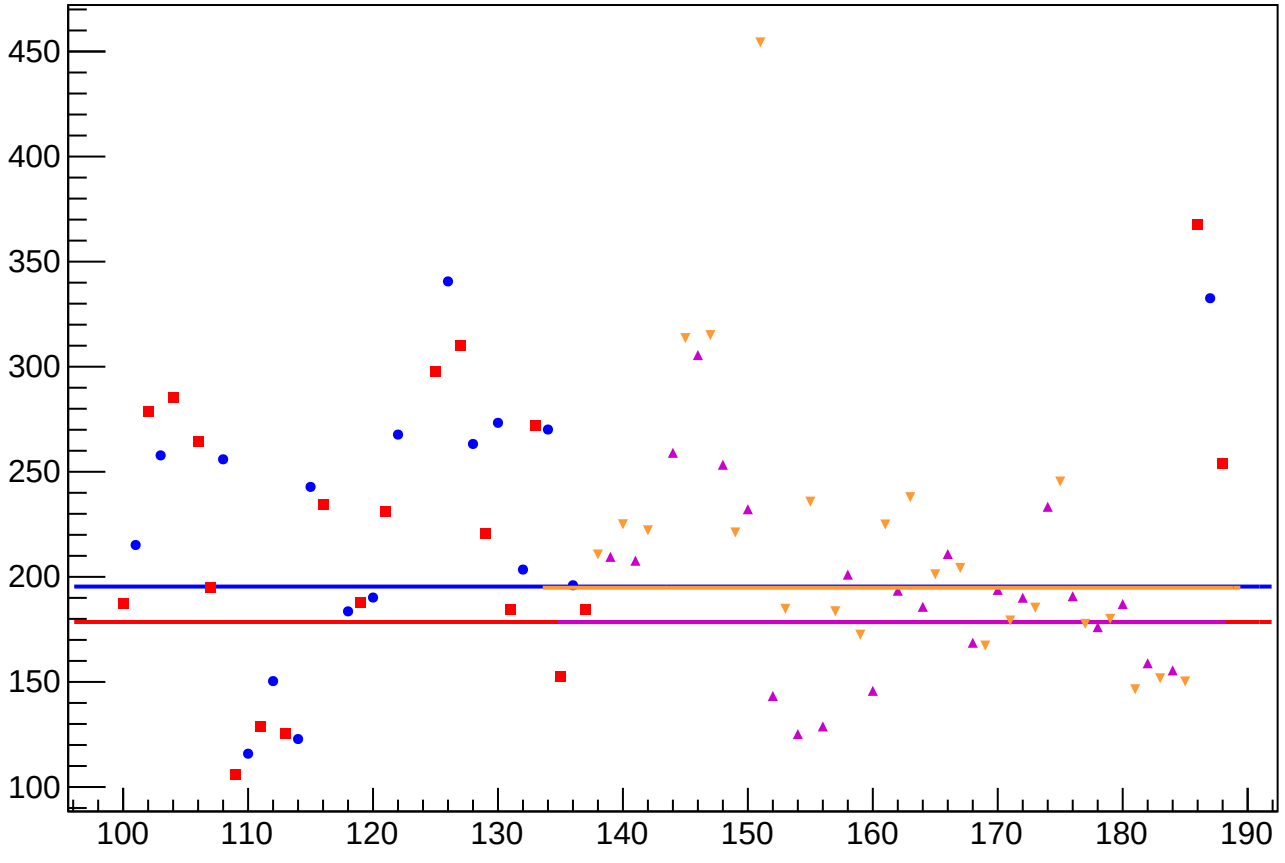
Right: -93.145+/-49.688 χ^2/NDF: 30.1/36

In: 74.273+/-37.810 χ^2/NDF:27.4/39

Out: 55.091+/-38.193 χ^2/NDF:34.7/43

All: 64.778+/-26.870 χ^2/NDF: 62.2/83

asym_bcm_2an_us_an_ds_avg_rms vs Slug, Sign Corrected



Right In: 195.379+/-0.054 χ^2/NDF: 1108462.0/16

Left Out: 194.828+/-0.033 χ^2/NDF:1752475.1/23

Right Out: 178.526+/-0.046 χ^2/NDF: 2004900.4/19

Left In: 178.475+/-0.031 χ^2/NDF:1676266.4/22

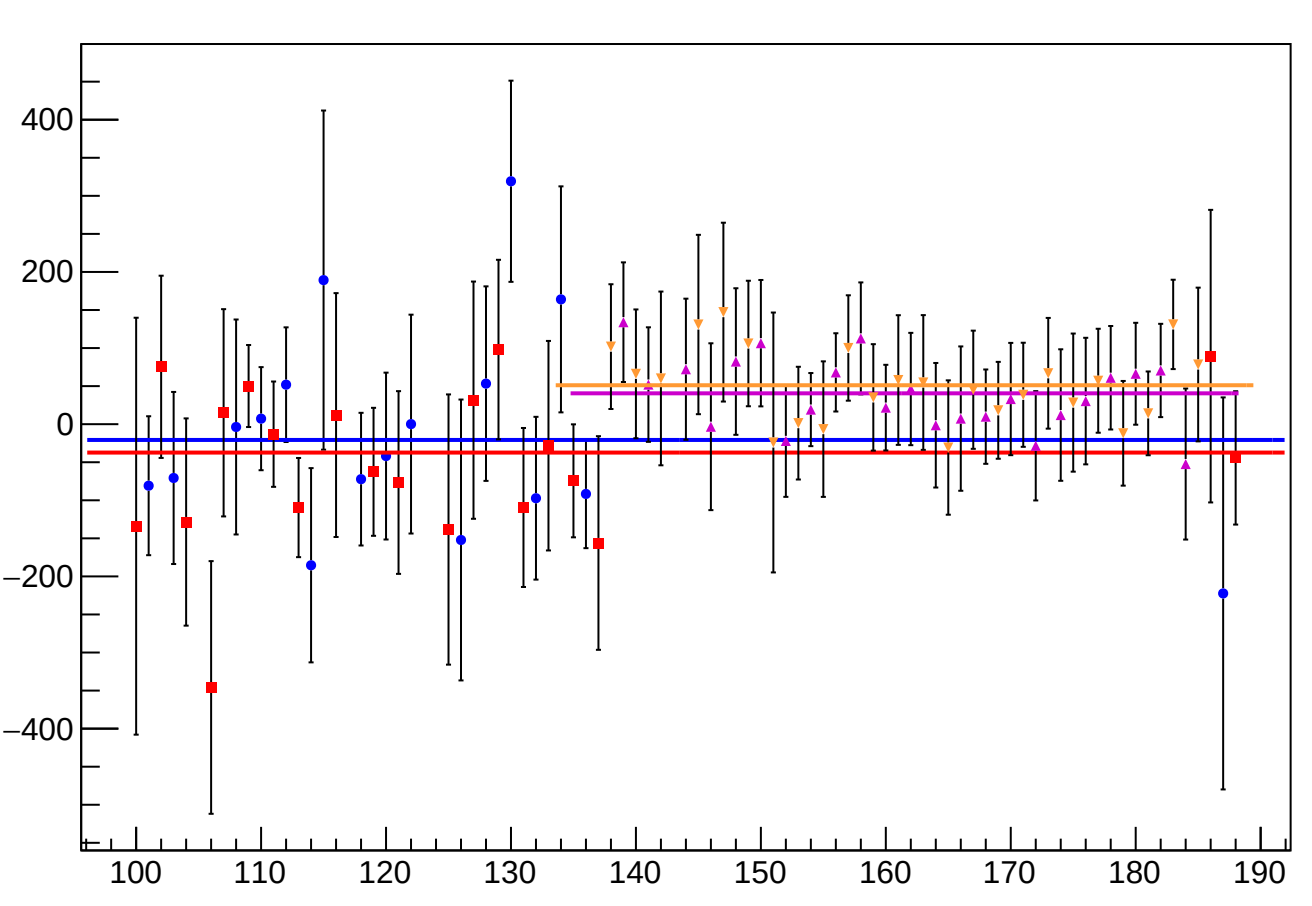
Left: 186.052+/-0.023 χ^2/NDF: 3559074.3/46

Right: 185.747+/-0.035 χ^2/NDF: 3169709.9/36

In: 182.669+/-0.027 χ^2/NDF:2859301.5/39

Out: 189.323+/-0.027 χ^2/NDF:3838876.5/43

All: 185.963+/-0.019 χ^2/NDF: 6728837.5/83



Right In: -20.720+/-25.989 χ^2/NDF: 15.8/16

Left Out: 51.161+/-16.037 χ^2/NDF:8.1/23

Right Out: -37.308+/-22.675 χ^2/NDF: 13.1/19

Left In: 40.540+/-14.978 χ^2/NDF:7.9/22

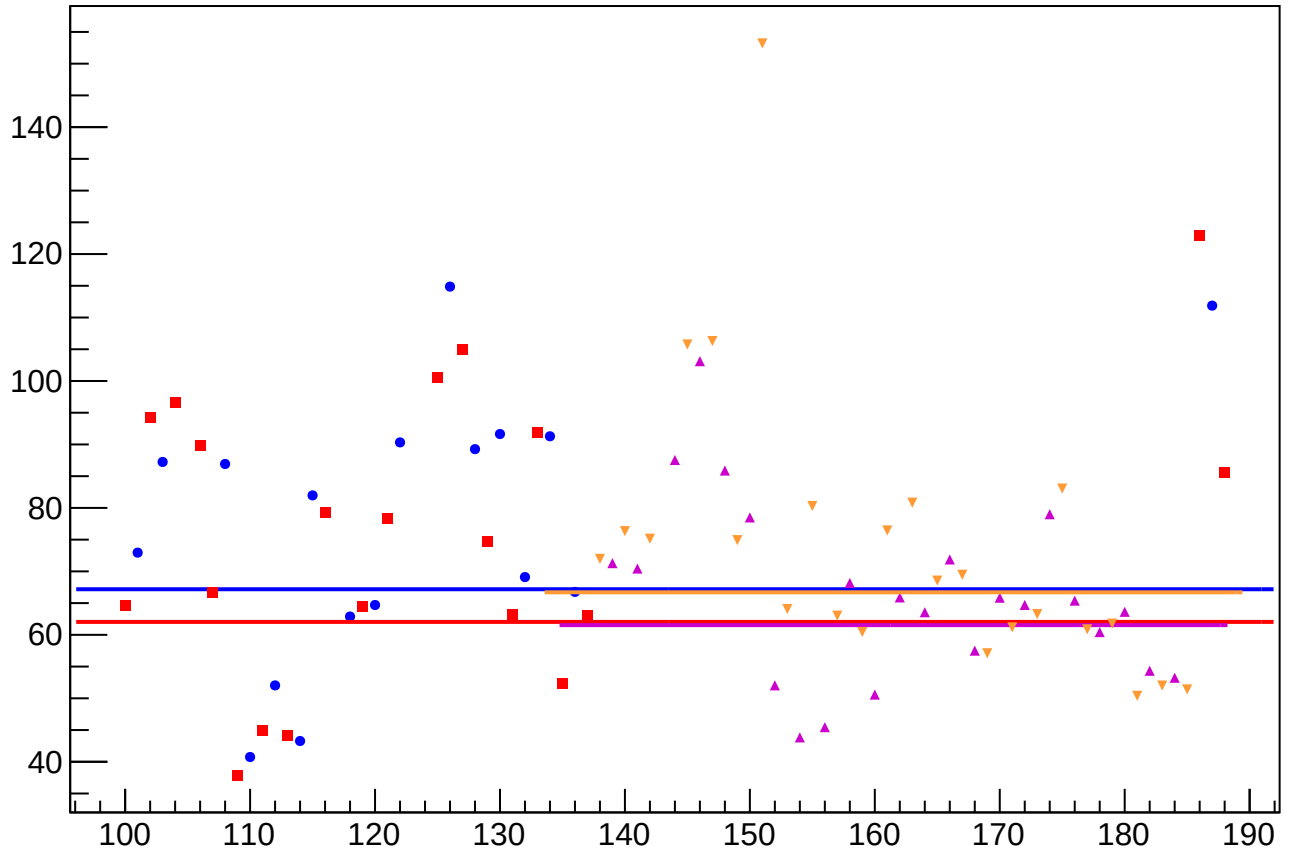
Left: 45.488+/-10.946 χ^2/NDF: 16.2/46

Right: -30.138+/-17.086 χ^2/NDF: 29.1/36

In: 25.266+/-12.977 χ^2/NDF:27.9/39

Out: 21.663+/-13.093 χ^2/NDF:31.3/43

All: 23.481+/-9.217 χ^2/NDF: 59.2/83



Right In: 67.184+/-0.018 χ^2/NDF: 1007887.5/16

Left Out: 66.703+/-0.011 χ^2/NDF:1676329.9/23

Right Out: 62.039+/-0.016 χ^2/NDF: 1815318.0/19

Left In: 61.529+/-0.011 χ^2/NDF:1489848.4/22

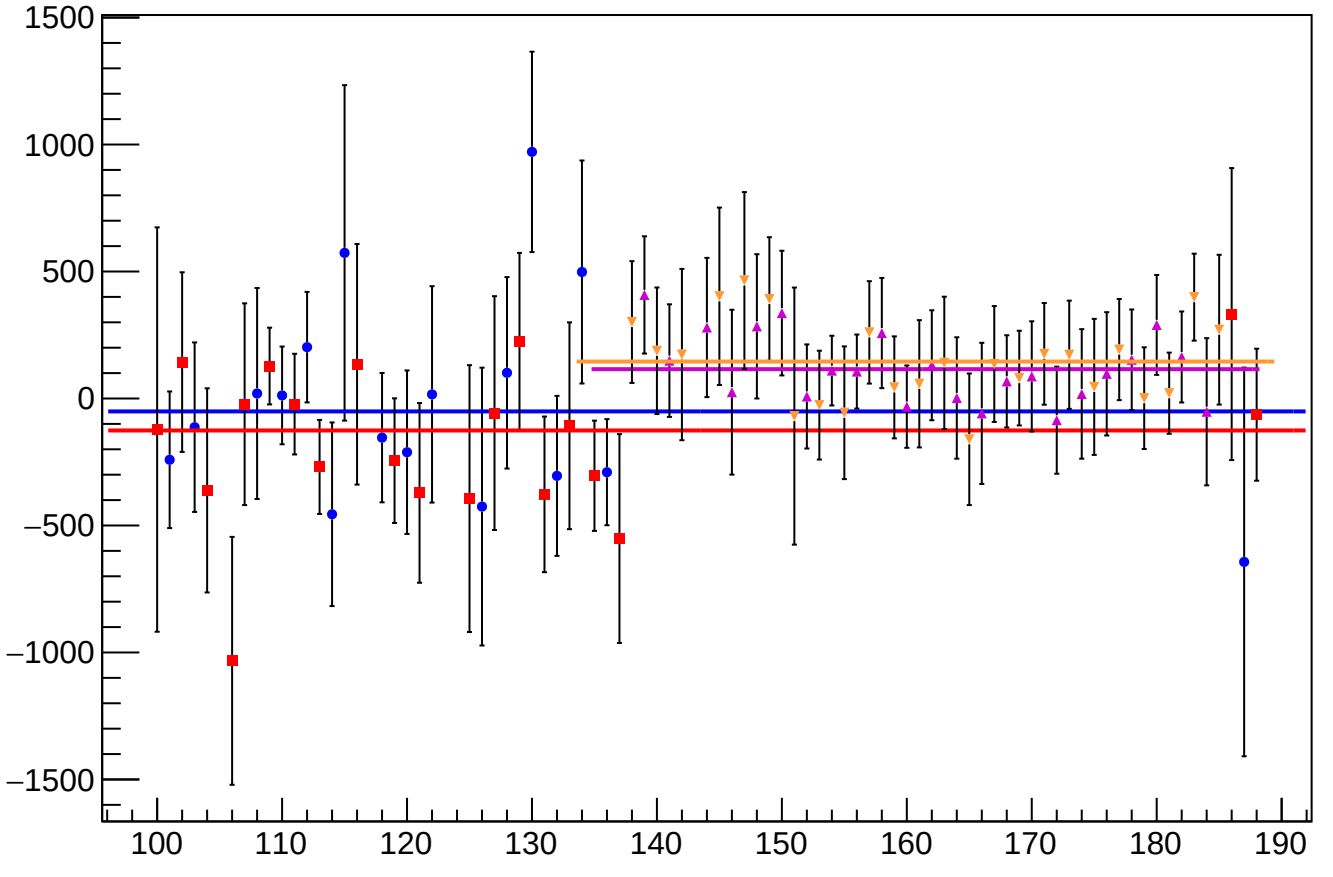
Left: 63.939+/-0.008 χ^2/NDF: 3277377.5/46

Right: 64.263+/-0.012 χ^2/NDF: 2867719.9/36

In: 62.939+/-0.009 χ^2/NDF:2568826.8/39

Out: 65.148+/-0.009 χ^2/NDF:3548061.4/43

All: 64.033+/-0.007 χ^2/NDF: 6145604.5/83



Right In: -50.793+/-75.823 χ^2/NDF: 16.1/16

Left Out: 145.476+/-46.889 χ^2/NDF:10.2/23

Right Out: -125.819+/-65.645 χ^2/NDF: 13.6/19

Left In: 115.487+/-43.568 χ^2/NDF:7.8/22

Left: 129.382+/-31.917 χ^2/NDF: 18.2/46

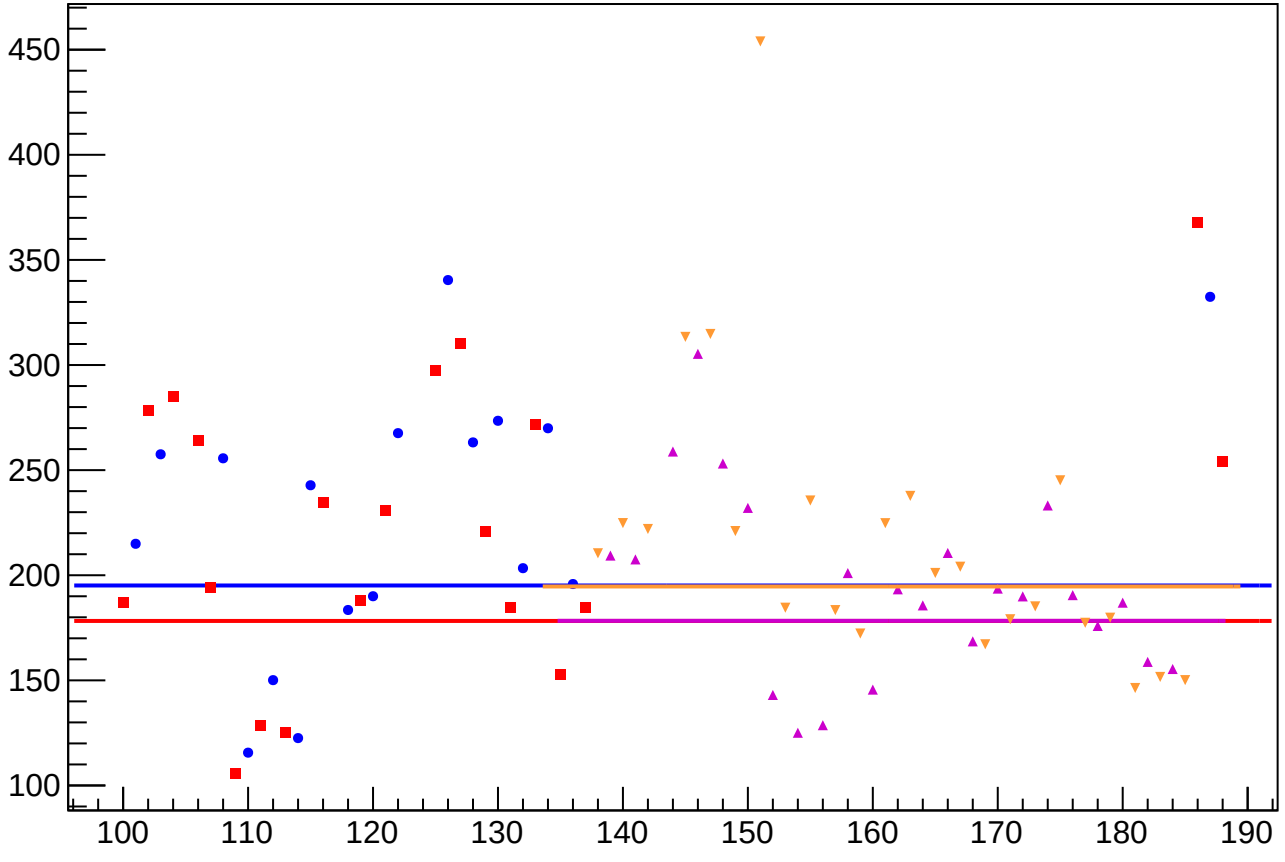
Right: -93.676+/-49.630 χ^2/NDF: 30.2/36

In: 74.214+/-37.776 χ^2/NDF:27.5/39

Out: 53.824+/-38.155 χ^2/NDF:35.1/43

All: 64.121+/-26.845 χ^2/NDF: 62.7/83

asym_bcm_an_us_an_ds_avg_rms vs Slug, Sign Corrected



Right In: 195.129+/-0.054 χ^2/NDF: 1113124.9/16

Left Out: 194.659+/-0.033 χ^2/NDF:1753119.9/23

Right Out: 178.261+/-0.046 χ^2/NDF: 2012290.0/19

Left In: 178.318+/-0.031 χ^2/NDF:1678336.4/22

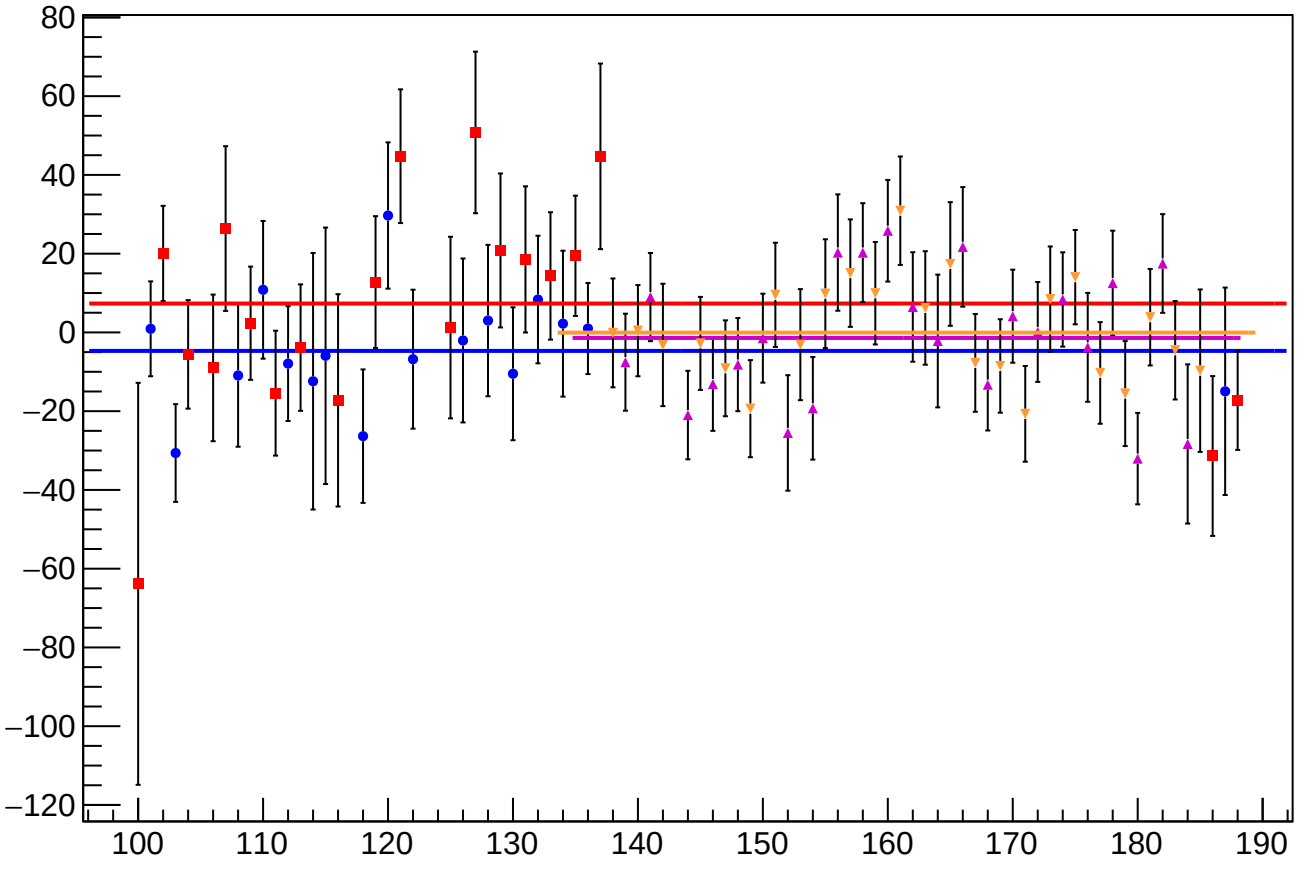
Left: 185.889+/-0.023 χ^2/NDF: 3561822.0/46

Right: 185.488+/-0.035 χ^2/NDF: 3181987.2/36

In: 182.491+/-0.027 χ^2/NDF:2865374.2/39

Out: 189.119+/-0.027 χ^2/NDF:3848042.6/43

All: 185.772+/-0.019 χ^2/NDF: 6743901.8/83



Right In: -4.692+/-4.081 χ^2/NDF: 12.1/16

Left Out: -0.047+/-2.685 χ^2/NDF:20.5/23

Right Out: 7.334+/-3.856 χ^2/NDF: 30.2/19

Left In: -1.407+/-2.674 χ^2/NDF:36.3/22

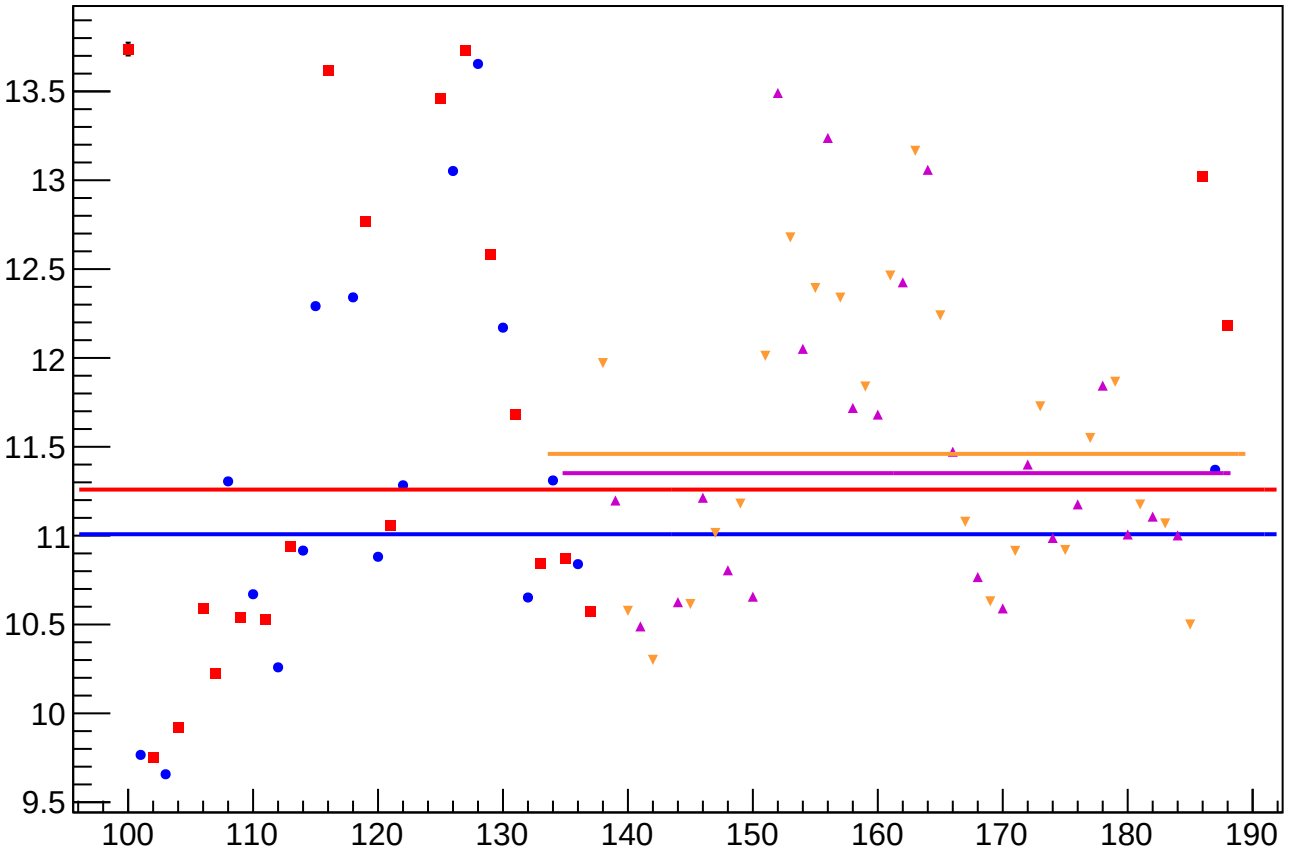
Left: -0.729+/-1.895 χ^2/NDF: 56.9/46

Right: 1.660+/-2.803 χ^2/NDF: 46.9/36

In: -2.394+/-2.237 χ^2/NDF:48.9/39

Out: 2.363+/-2.204 χ^2/NDF:53.2/43

All: 0.020+/-1.570 χ^2/NDF: 104.4/83



Right In: 11.008+/-0.003 χ^2/NDF: 136547.5/16

Left Out: 11.460+/-0.002 χ^2/NDF:150430.0/23

Right Out: 11.259+/-0.003 χ^2/NDF: 191704.8/19

Left In: 11.352+/-0.002 χ^2/NDF:170563.6/22

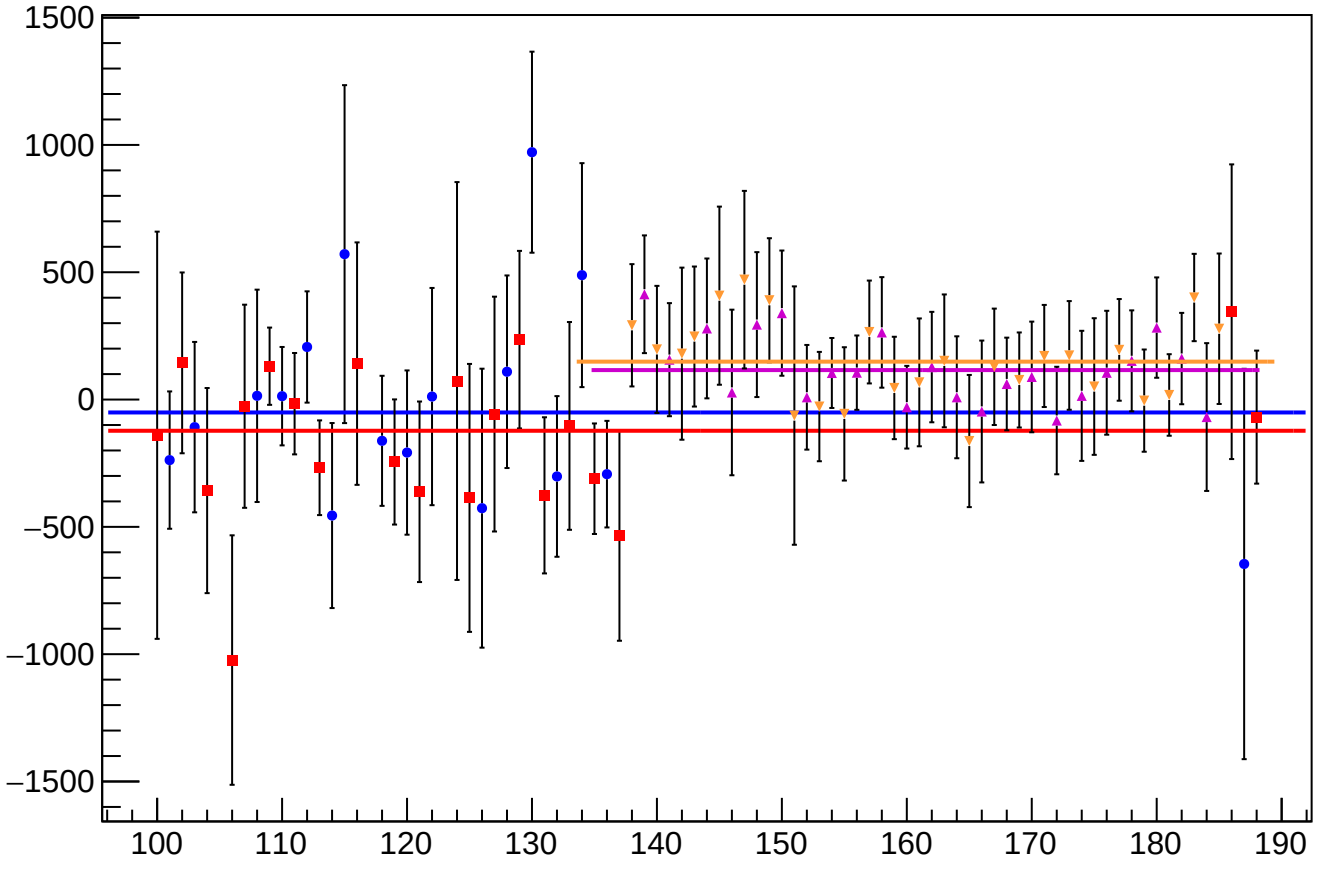
Left: 11.406+/-0.001 χ^2/NDF: 322630.2/46

Right: 11.141+/-0.002 χ^2/NDF: 332257.6/36

In: 11.248+/-0.002 χ^2/NDF:317039.9/39

Out: 11.395+/-0.002 χ^2/NDF:345790.1/43

All: 11.323+/-0.001 χ^2/NDF: 667158.3/83



Right In: -50.711+/-76.047 χ^2/NDF: 16.0/16

Left Out: 148.905+/-46.306 χ^2/NDF:10.5/24

Right Out: -122.563+/-65.625 χ^2/NDF: 13.6/20

Left In: 115.709+/-43.641 χ^2/NDF:7.8/22

Left: 131.325+/-31.759 χ^2/NDF: 18.6/47

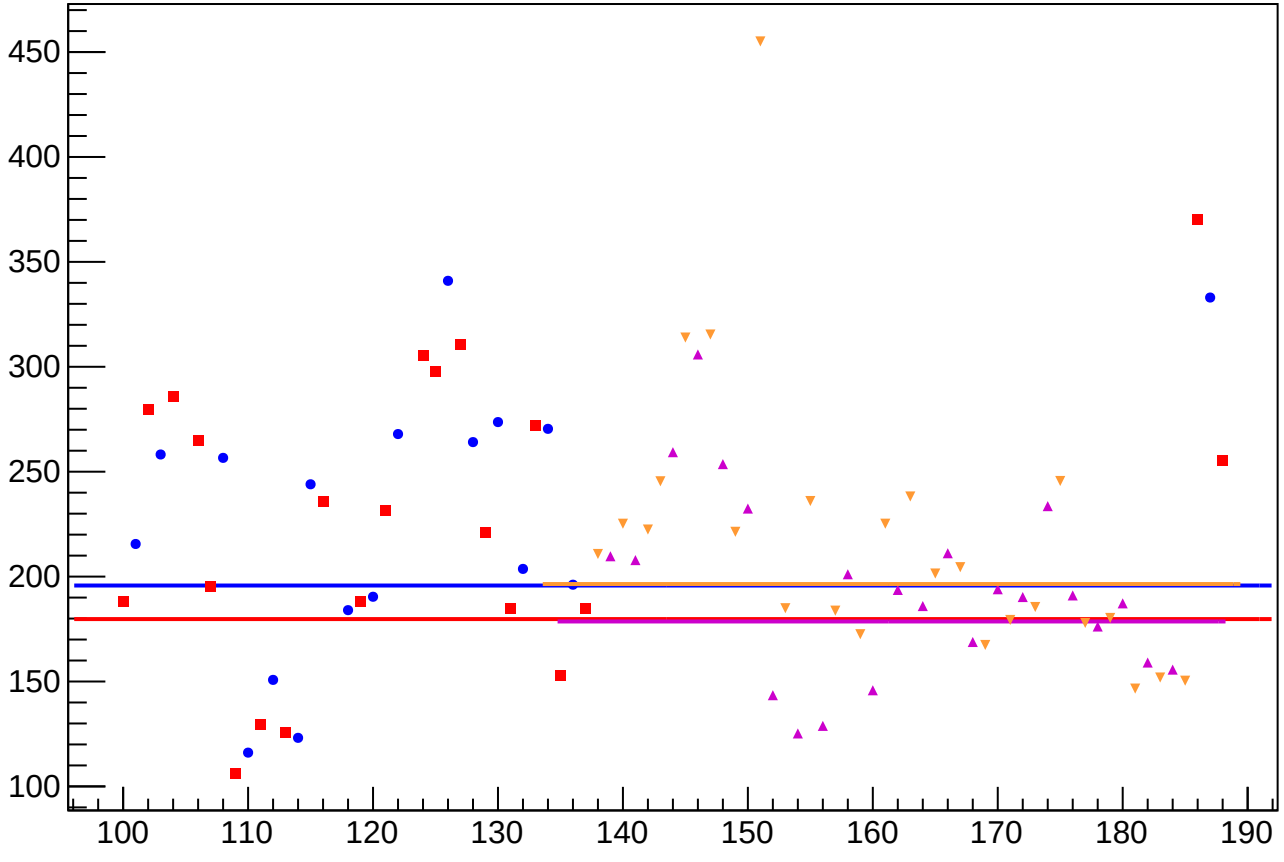
Right: -91.894+/-49.683 χ^2/NDF: 30.1/37

In: 74.480+/-37.851 χ^2/NDF:27.4/39

Out: 58.669+/-37.836 χ^2/NDF:35.5/45

All: 66.572+/-26.759 χ^2/NDF: 63.0/85

asym_bcm_an_us_an_ds3_avg_rms vs Slug, Sign Corrected



Right In: 195.749+/-0.054 χ^2/NDF: 1106782.1/16

Left Out: 196.454+/-0.033 χ^2/NDF:1818746.1/24

Right Out: 179.755+/-0.046 χ^2/NDF: 2060807.7/20

Left In: 178.614+/-0.031 χ^2/NDF:1678859.8/22

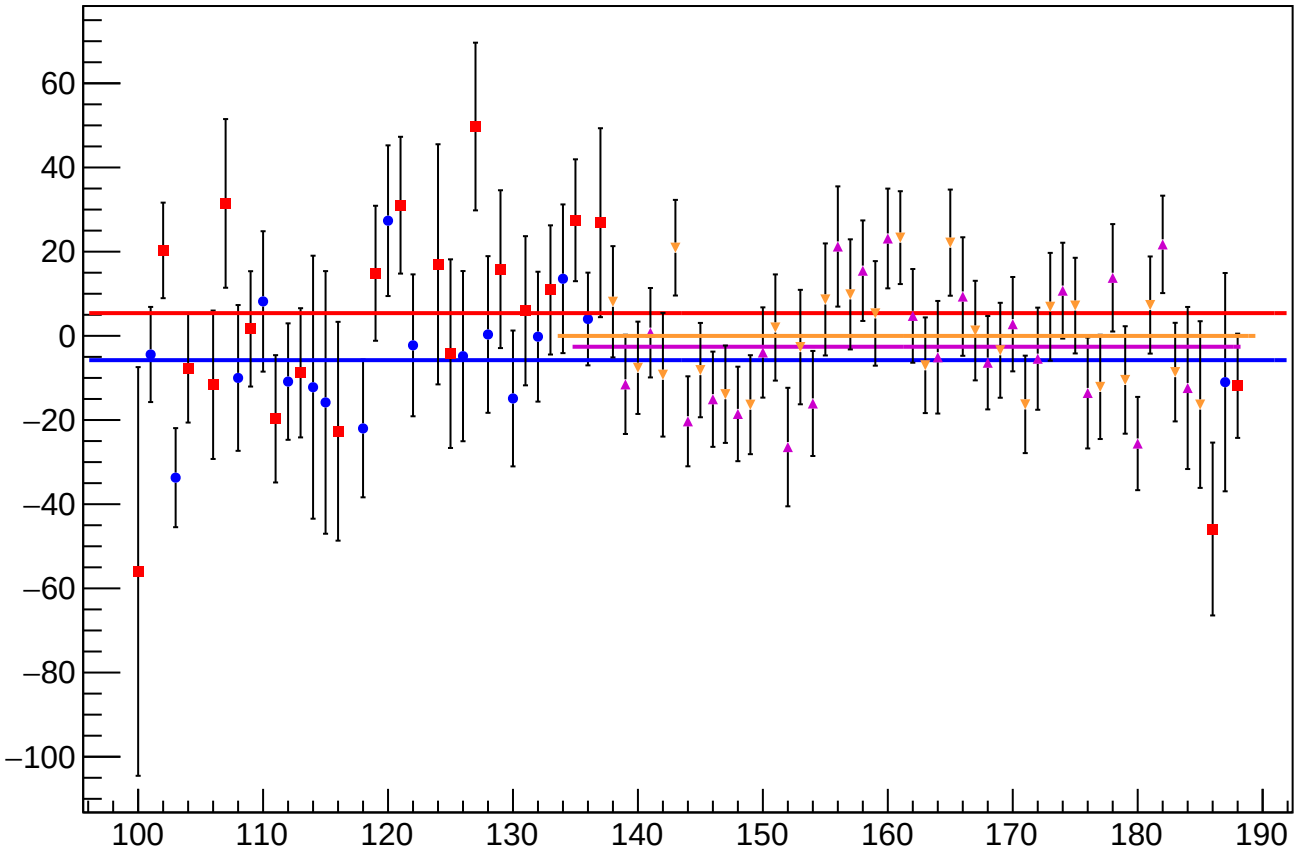
Left: 187.006+/-0.022 χ^2/NDF: 3654827.6/47

Right: 186.582+/-0.035 χ^2/NDF: 3218300.5/37

In: 182.859+/-0.027 χ^2/NDF:2862031.1/39

Out: 190.903+/-0.027 χ^2/NDF:3966014.5/45

All: 186.883+/-0.019 χ^2/NDF: 6873231.6/85



Right In: -5.778+/-3.894 χ^2/NDF: 13.7/16

Left Out: -0.018+/-2.445 χ^2/NDF:23.7/24

Right Out: 5.396+/-3.661 χ^2/NDF: 31.8/20

Left In: -2.591+/-2.506 χ^2/NDF:34.8/22

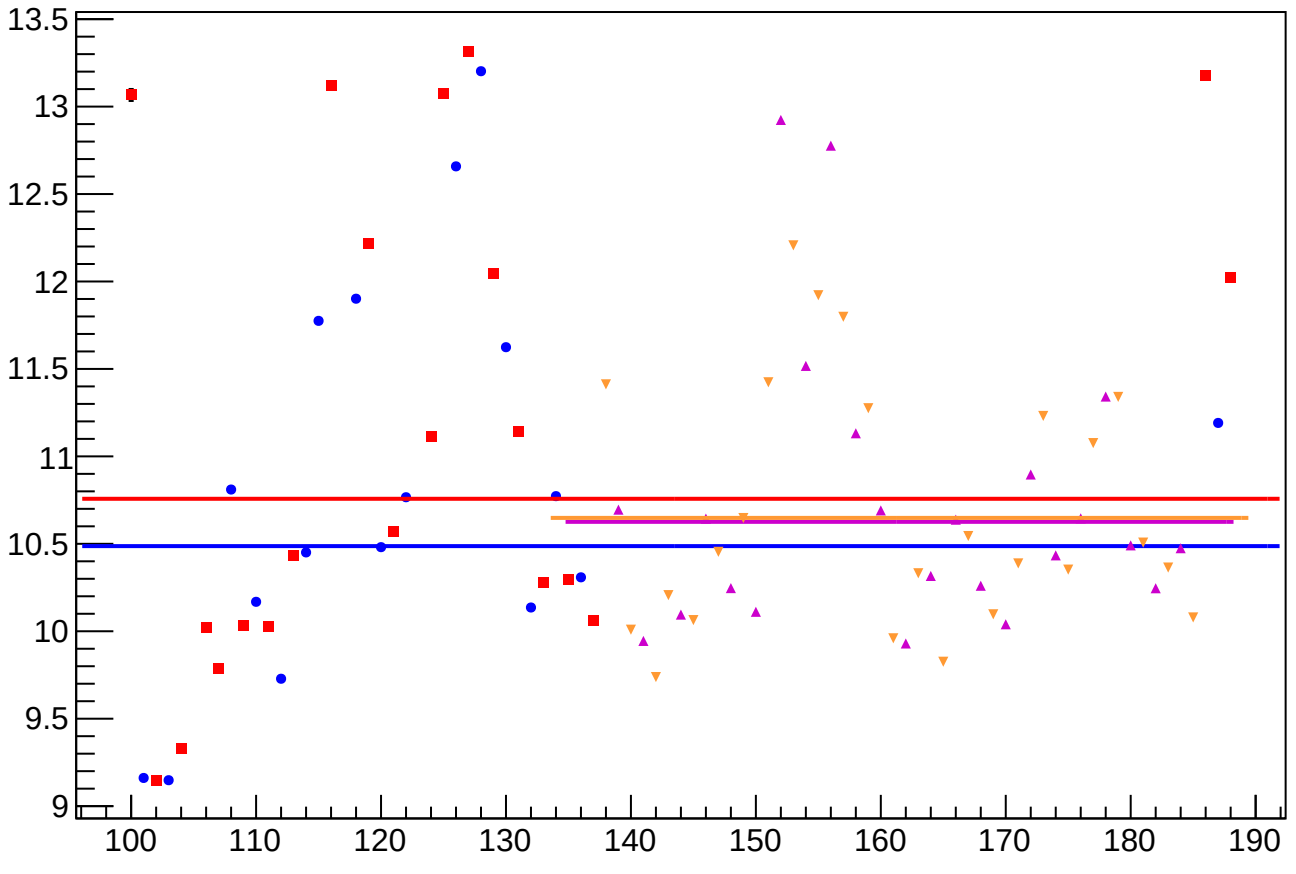
Left: -1.272+/-1.750 χ^2/NDF: 59.1/47

Right: 0.154+/-2.667 χ^2/NDF: 49.9/37

In: -3.524+/-2.107 χ^2/NDF:49.0/39

Out: 1.652+/-2.033 χ^2/NDF:57.1/45

All: -0.843+/-1.463 χ^2/NDF: 109.2/85



Right In: 10.487+/-0.003 χ^2/NDF: 158875.2/16

Left Out: 10.648+/-0.002 χ^2/NDF:143535.9/24

Right Out: 10.757+/-0.003 χ^2/NDF: 241472.0/20

Left In: 10.626+/-0.002 χ^2/NDF:159543.1/22

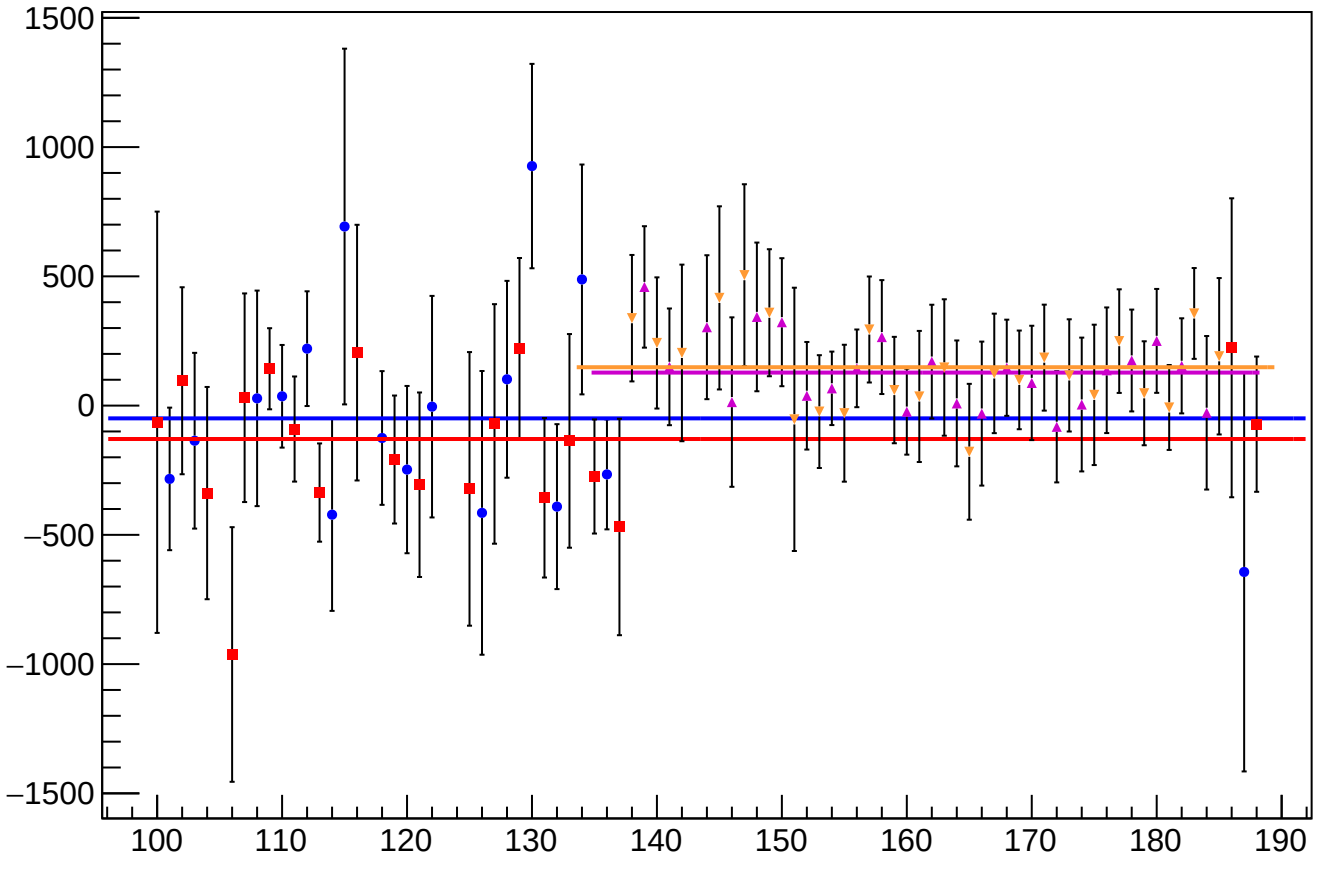
Left: 10.637+/-0.001 χ^2/NDF: 303162.3/47

Right: 10.631+/-0.002 χ^2/NDF: 405473.9/37

In: 10.585+/-0.001 χ^2/NDF:320215.4/39

Out: 10.682+/-0.001 χ^2/NDF:386238.9/45

All: 10.635+/-0.001 χ^2/NDF: 708645.1/85



Right In: -49.390+/-77.195 χ^2/NDF: 16.1/16

Left Out: 148.441+/-47.720 χ^2/NDF:9.9/23

Right Out: -129.220+/-67.016 χ^2/NDF: 11.9/19

Left In: 127.710+/-44.426 χ^2/NDF:7.8/22

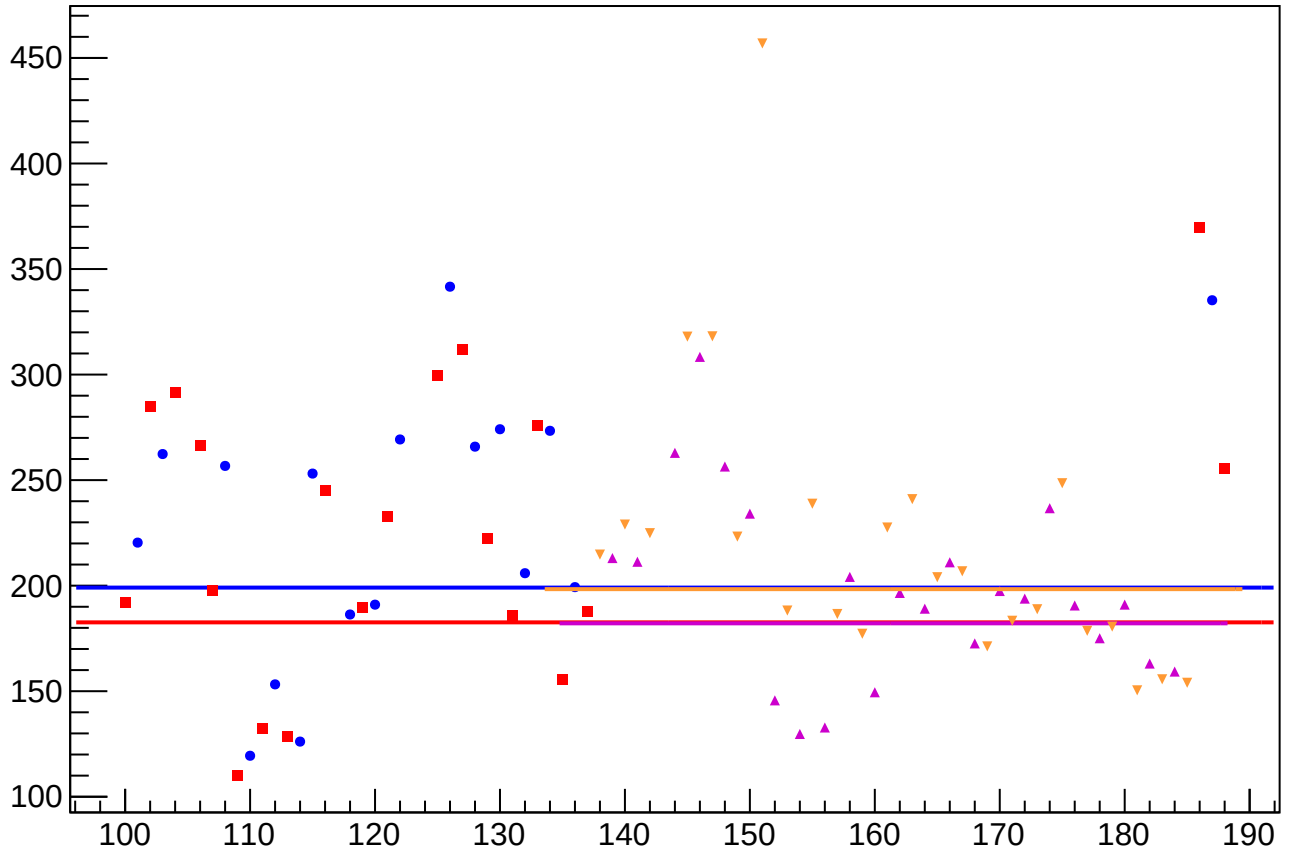
Left: 137.335+/-32.516 χ^2/NDF: 17.8/46

Right: -94.912+/-50.606 χ^2/NDF: 28.6/36

In: 83.647+/-38.505 χ^2/NDF:27.8/39

Out: 55.021+/-38.872 χ^2/NDF:33.2/43

All: 69.470+/-27.356 χ^2/NDF: 61.3/83



Right In: 199.083+/-0.055 χ^2/NDF: 1063202.4/16

Left Out: 198.351+/-0.034 χ^2/NDF:1697058.2/23

Right Out: 182.611+/-0.047 χ^2/NDF: 1926031.5/19

Left In: 182.150+/-0.031 χ^2/NDF:1584358.1/22

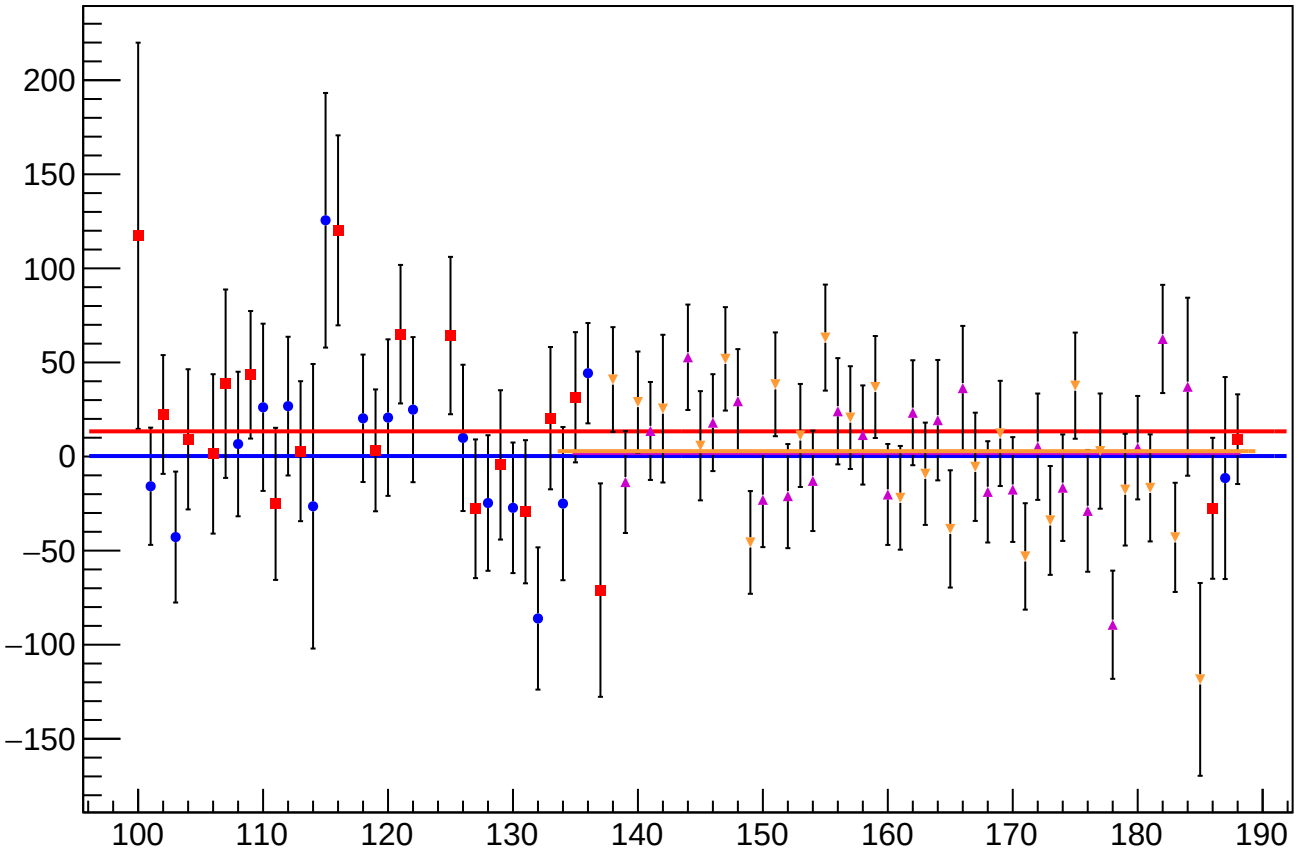
Left: 189.672+/-0.023 χ^2/NDF: 3404908.8/46

Right: 189.690+/-0.036 χ^2/NDF: 3041164.7/36

In: 186.363+/-0.027 χ^2/NDF:2719853.0/39

Out: 193.055+/-0.027 χ^2/NDF:3696300.4/43

All: 189.678+/-0.019 χ^2/NDF: 6446073.6/83



Right In: 0.259+/-9.280 χ^2/NDF: 16.8/16

Left Out: 2.851+/-5.904 χ^2/NDF:36.9/23

Right Out: 13.377+/-8.446 χ^2/NDF: 17.7/19

Left In: 1.850+/-5.893 χ^2/NDF:28.1/22

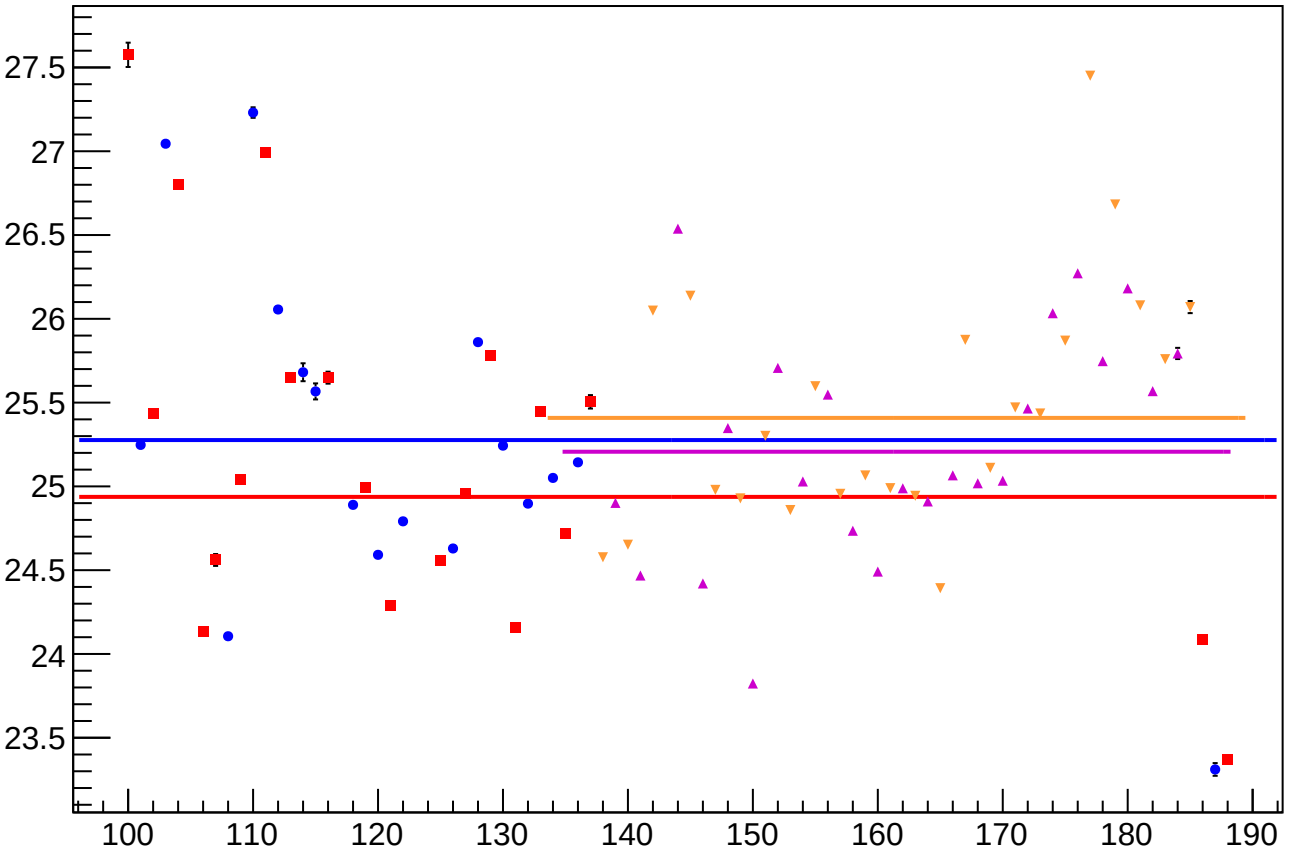
Left: 2.349+/-4.171 χ^2/NDF: 65.0/46

Right: 7.433+/-6.246 χ^2/NDF: 35.6/36

In: 1.393+/-4.975 χ^2/NDF:44.9/39

Out: 6.306+/-4.839 χ^2/NDF:55.7/43

All: 3.917+/-3.469 χ^2/NDF: 101.0/83



Right In: 25.276+/-0.007 χ^2/NDF: 17080.0/16

Left Out: 25.409+/-0.004 χ^2/NDF:26863.6/23

Right Out: 24.937+/-0.006 χ^2/NDF: 26809.3/19

Left In: 25.207+/-0.004 χ^2/NDF:25827.4/22

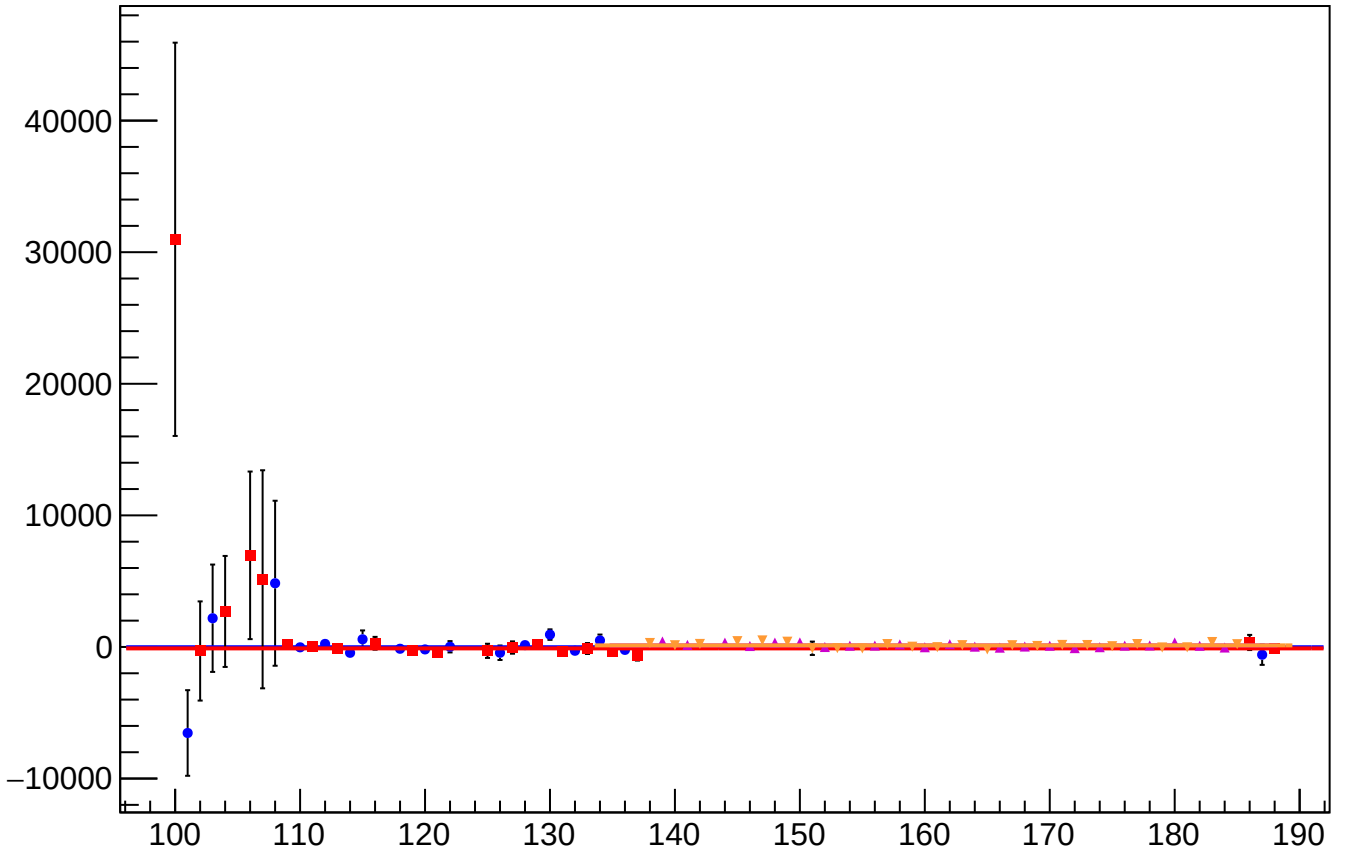
Left: 25.308+/-0.003 χ^2/NDF: 53862.4/46

Right: 25.091+/-0.004 χ^2/NDF: 45349.5/36

In: 25.227+/-0.004 χ^2/NDF:42987.6/39

Out: 25.254+/-0.003 χ^2/NDF:57856.7/43

All: 25.241+/-0.002 χ^2/NDF: 100874.9/83



Right In: -20.003+/-83.952 χ^2/NDF: 18.9/16

Left Out: 120.221+/-47.440 χ^2/NDF:11.9/23

Right Out: -109.030+/-74.339 χ^2/NDF: 15.0/19

Left In: 116.243+/-44.786 χ^2/NDF:8.4/22

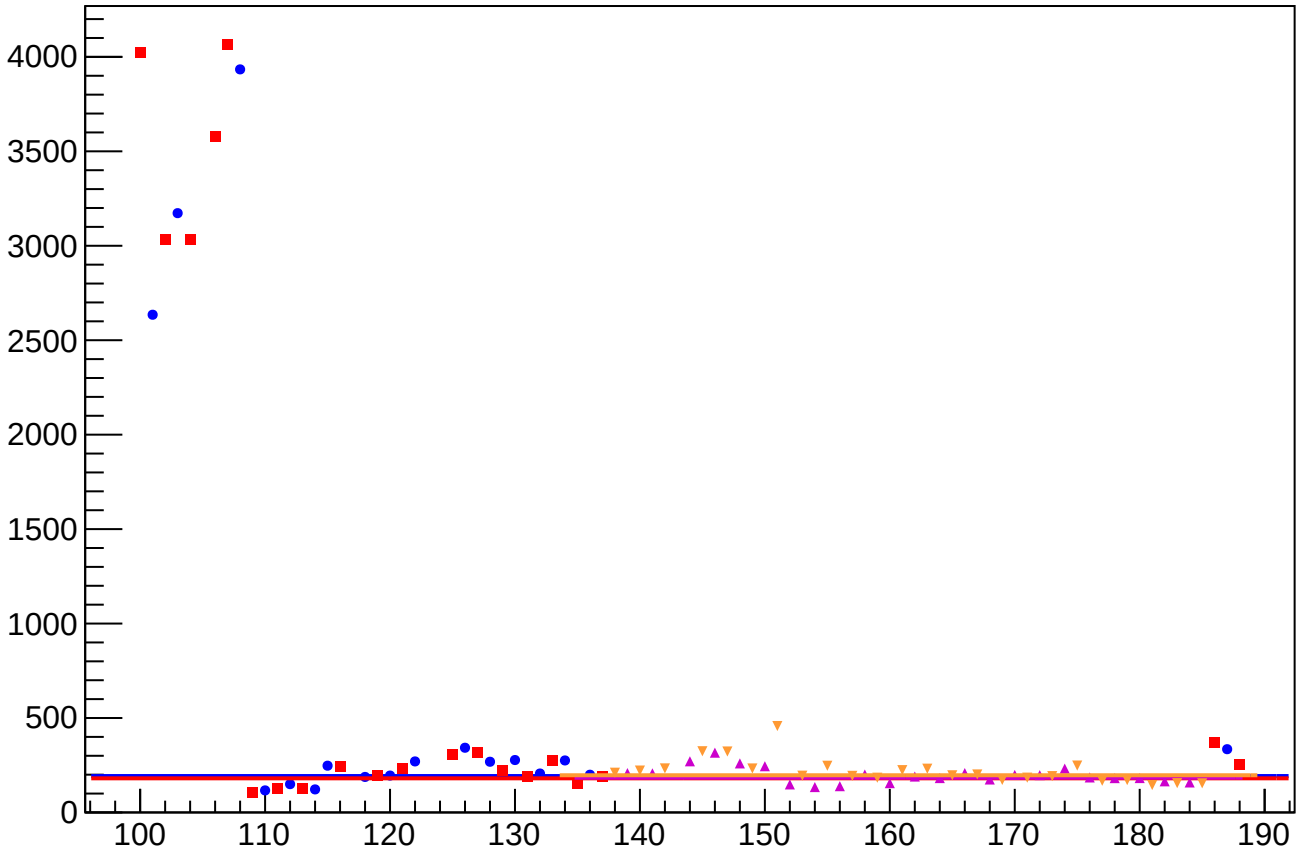
Left: 118.118+/-32.566 χ^2/NDF: 20.4/46

Right: -69.903+/-55.655 χ^2/NDF: 34.5/36

In: 86.059+/-39.515 χ^2/NDF:29.3/39

Out: 53.878+/-39.991 χ^2/NDF:33.7/43

All: 70.161+/-28.108 χ^2/NDF: 63.4/83



Right In: 192.776+/-0.059 χ^2/NDF: 3902755.4/16

Left Out: 196.935+/-0.034 χ^2/NDF:1809266.5/23

Right Out: 180.663+/-0.053 χ^2/NDF: 4664965.6/19

Left In: 184.051+/-0.032 χ^2/NDF:1445426.0/22

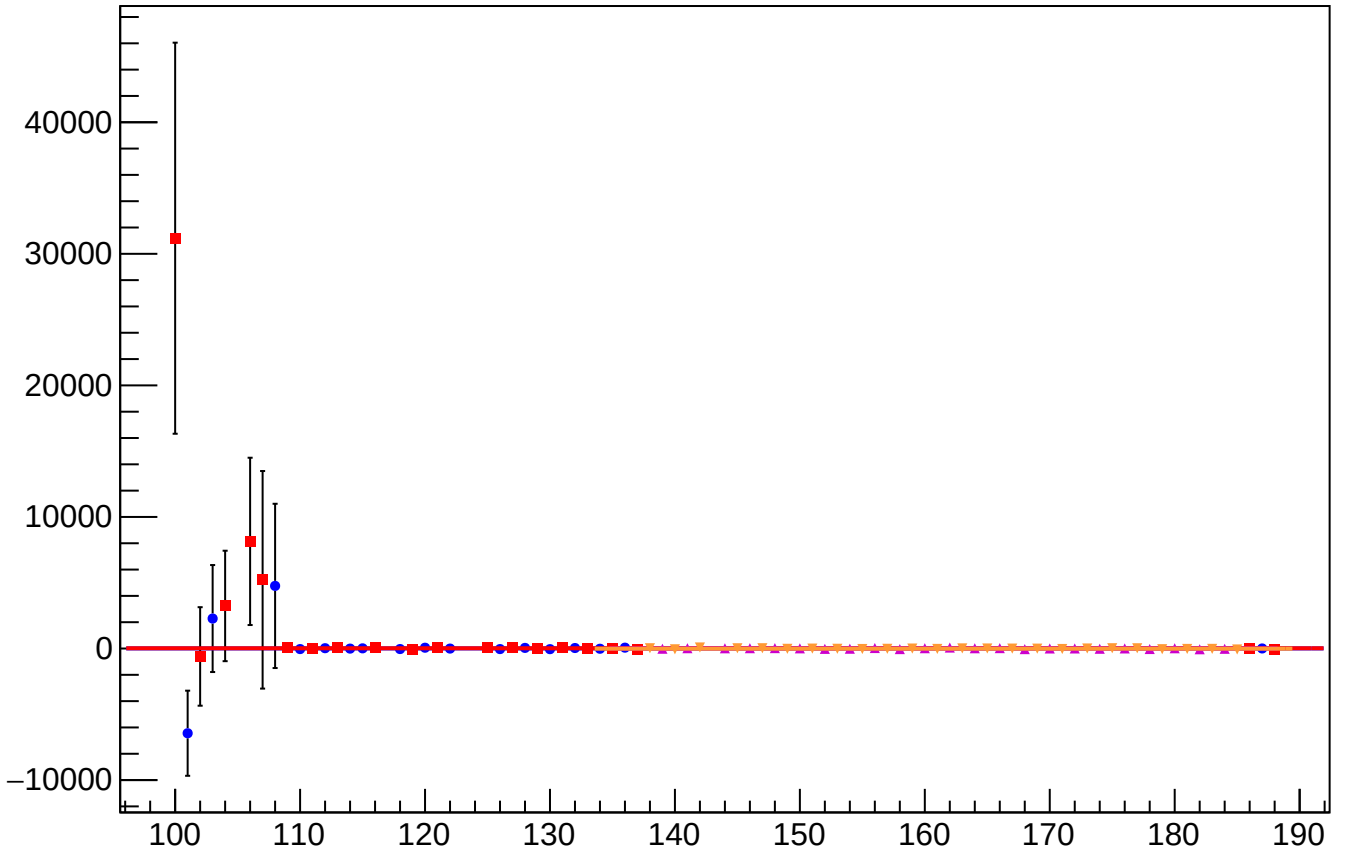
Left: 190.123+/-0.023 χ^2/NDF: 3332695.4/46

Right: 185.986+/-0.039 χ^2/NDF: 8591058.3/36

In: 185.984+/-0.028 χ^2/NDF:5364996.8/39

Out: 192.226+/-0.028 χ^2/NDF:6542330.1/43

All: 189.068+/-0.020 χ^2/NDF: 11931983.1/83



Right In: 6.410+/-11.596 χ^2/NDF: 18.3/16

Left Out: -11.111+/-6.653 χ^2/NDF:17.5/23

Right Out: 18.853+/-10.878 χ^2/NDF: 25.2/19

Left In: 2.576+/-6.732 χ^2/NDF:22.2/22

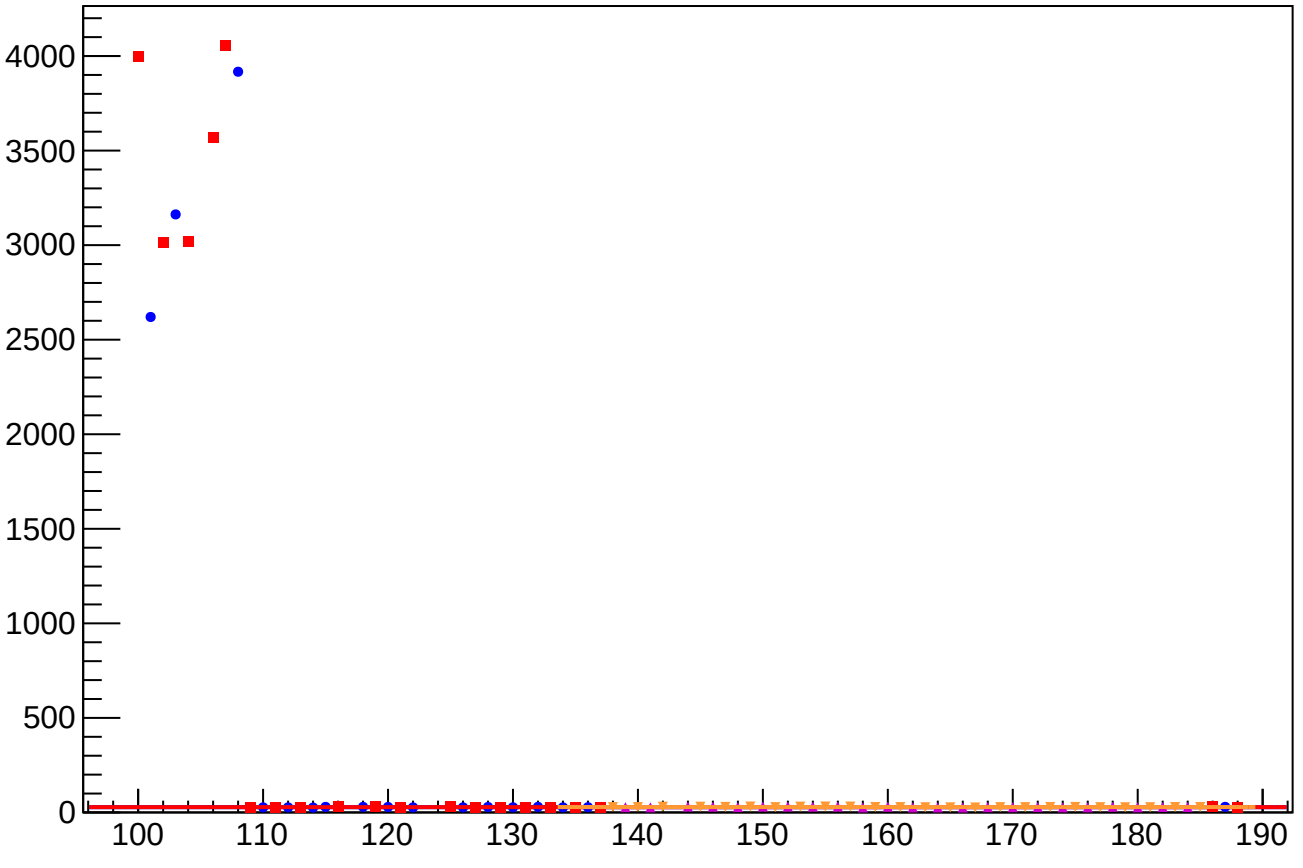
Left: -4.348+/-4.732 χ^2/NDF: 41.8/46

Right: 13.028+/-7.934 χ^2/NDF: 44.2/36

In: 3.543+/-5.822 χ^2/NDF:40.5/39

Out: -2.954+/-5.676 χ^2/NDF:48.3/43

All: 0.212+/-4.064 χ^2/NDF: 89.5/83



Right In: 27.876+/-0.008 χ^2/NDF: 3267207.5/16

Left Out: 28.592+/-0.005 χ^2/NDF:80997.4/23

Right Out: 27.997+/-0.008 χ^2/NDF: 3568325.0/19

Left In: 28.728+/-0.005 χ^2/NDF:127383.0/22

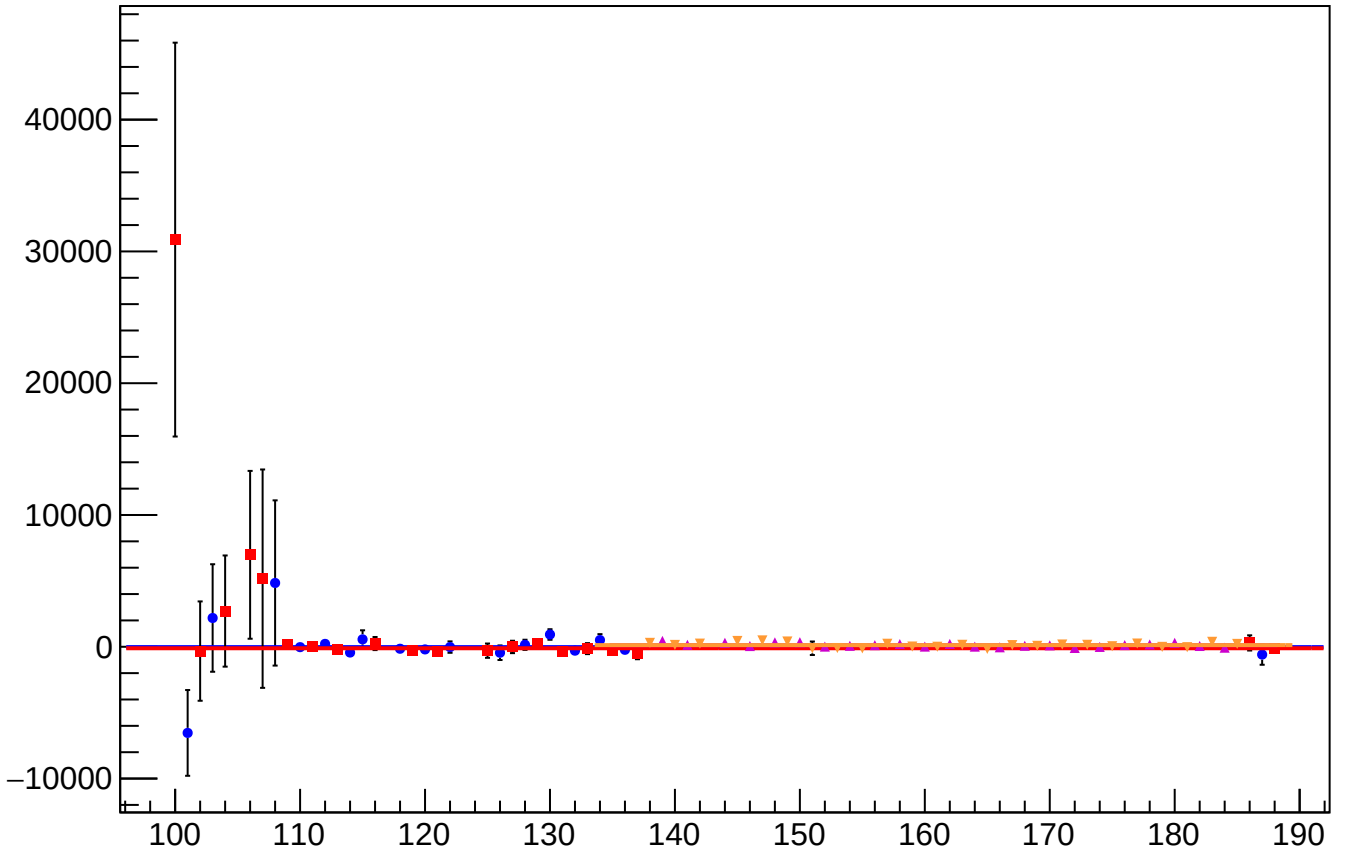
Left: 28.659+/-0.003 χ^2/NDF: 208789.7/46

Right: 27.940+/-0.006 χ^2/NDF: 6835648.3/36

In: 28.513+/-0.004 χ^2/NDF:3402665.7/39

Out: 28.430+/-0.004 χ^2/NDF:3653686.1/43

All: 28.470+/-0.003 χ^2/NDF: 7056558.9/83



Right In: -26.333+/-84.554 χ^2/NDF: 18.7/16

Left Out: 126.373+/-47.852 χ^2/NDF:11.6/23

Right Out: -112.750+/-74.855 χ^2/NDF: 13.8/19

Left In: 122.809+/-45.199 χ^2/NDF:8.0/22

Left: 124.489+/-32.858 χ^2/NDF: 19.6/46

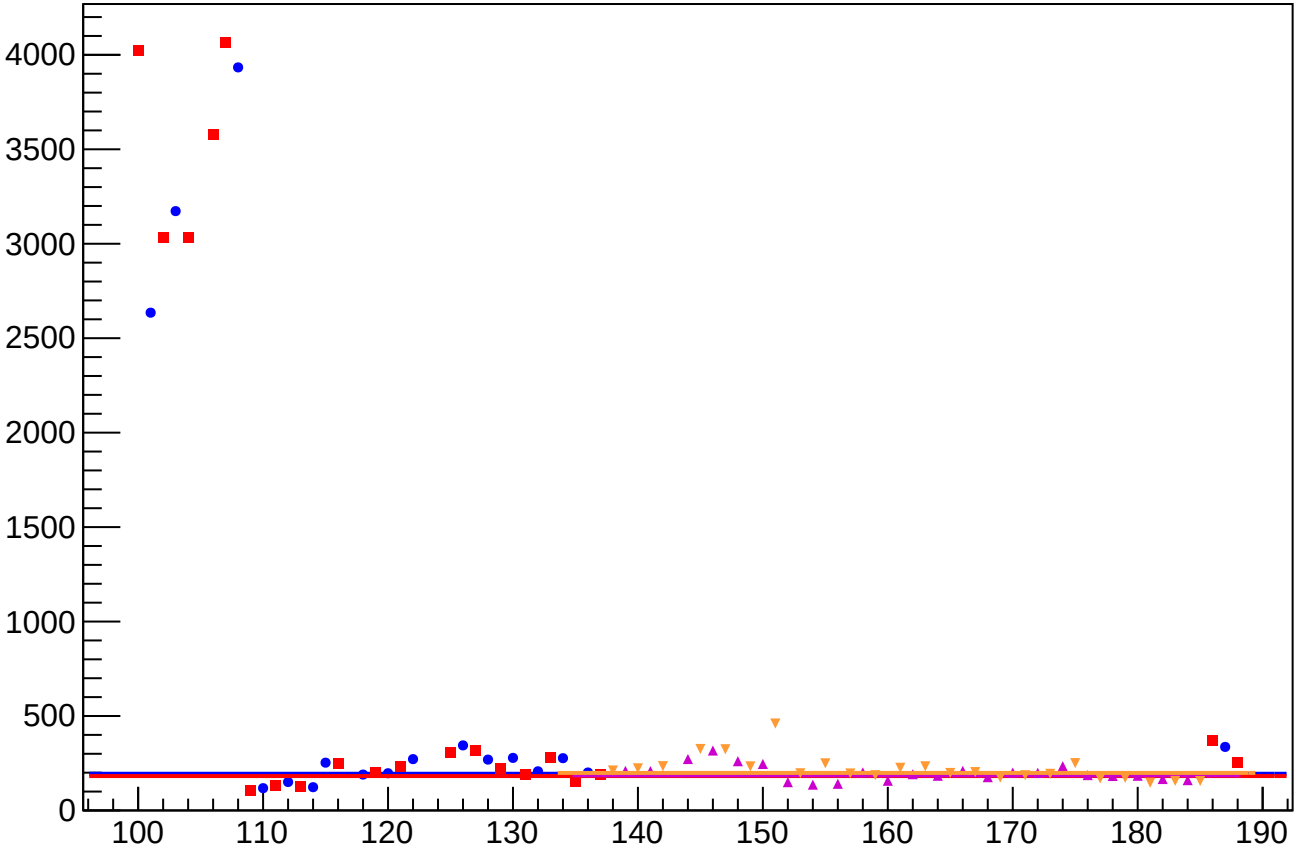
Right: -74.780+/-56.047 χ^2/NDF: 33.1/36

In: 89.663+/-39.861 χ^2/NDF:29.1/39

Out: 57.001+/-40.318 χ^2/NDF:32.6/43

All: 73.518+/-28.346 χ^2/NDF: 62.1/83

asym_bcm_cav4cQ_dg_ds_avg_rms vs Slug, Sign Corrected



Right In: 194.275+/-0.060 χ^2/NDF: 3890974.3/16

Left Out: 198.736+/-0.034 χ^2/NDF:1786406.6/23

Right Out: 182.072+/-0.053 χ^2/NDF: 4649231.6/19

Left In: 185.871+/-0.032 χ^2/NDF:1405525.2/22

Left: 191.937+/-0.023 χ^2/NDF: 3268326.7/46

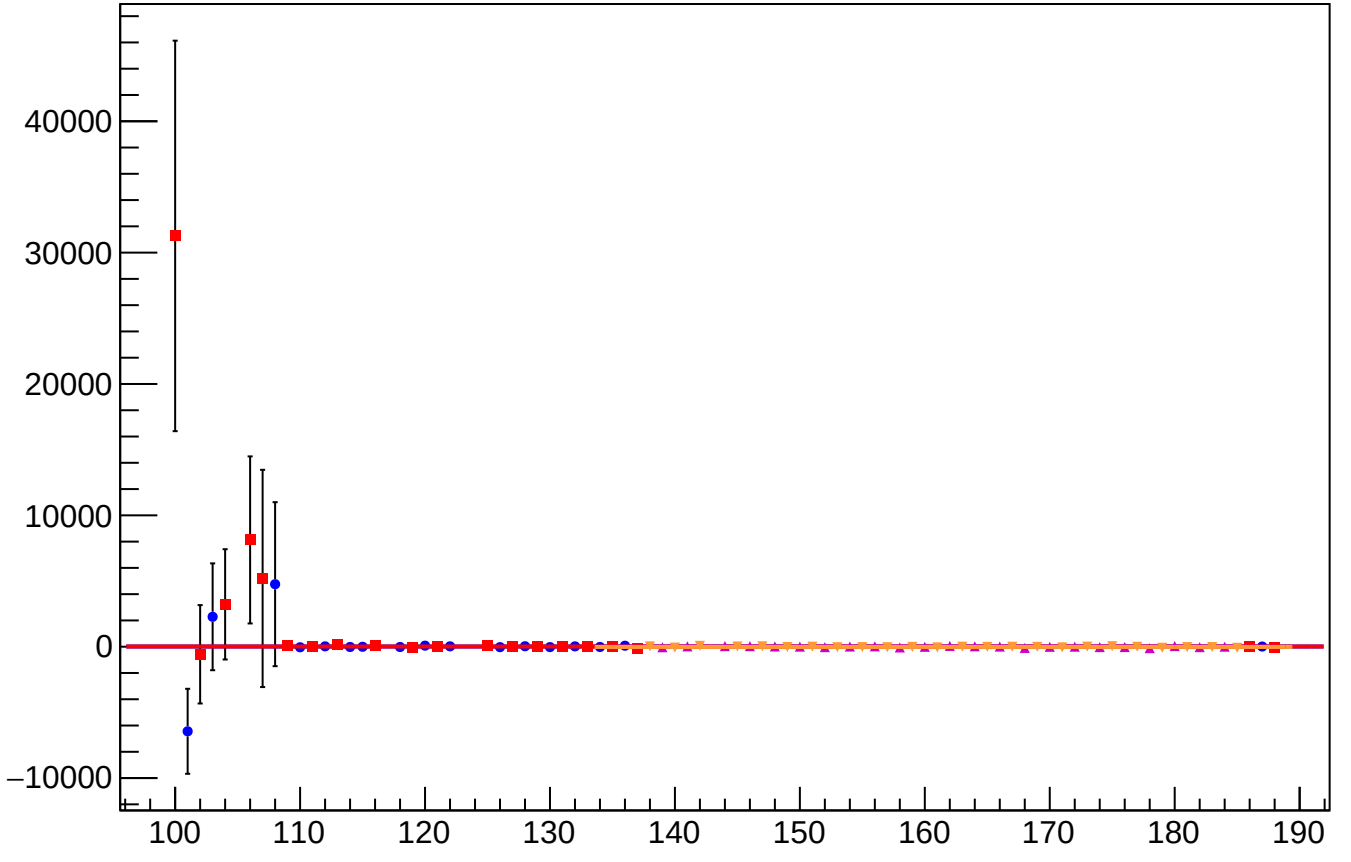
Right: 187.434+/-0.040 χ^2/NDF: 8563561.2/36

In: 187.739+/-0.028 χ^2/NDF:5311864.8/39

Out: 193.902+/-0.029 χ^2/NDF:6506003.8/43

All: 190.785+/-0.020 χ^2/NDF: 11841497.8/83

asym_bcm_cav4cQ_dg_ds_dd_mean vs Slug, Sign Corrected



Right In: 13.661+/-12.865 χ^2/NDF: 15.5/16

Left Out: -18.187+/-7.260 χ^2/NDF:20.3/23

Right Out: 16.026+/-12.015 χ^2/NDF: 30.4/19

Left In: -2.709+/-7.348 χ^2/NDF:35.5/22

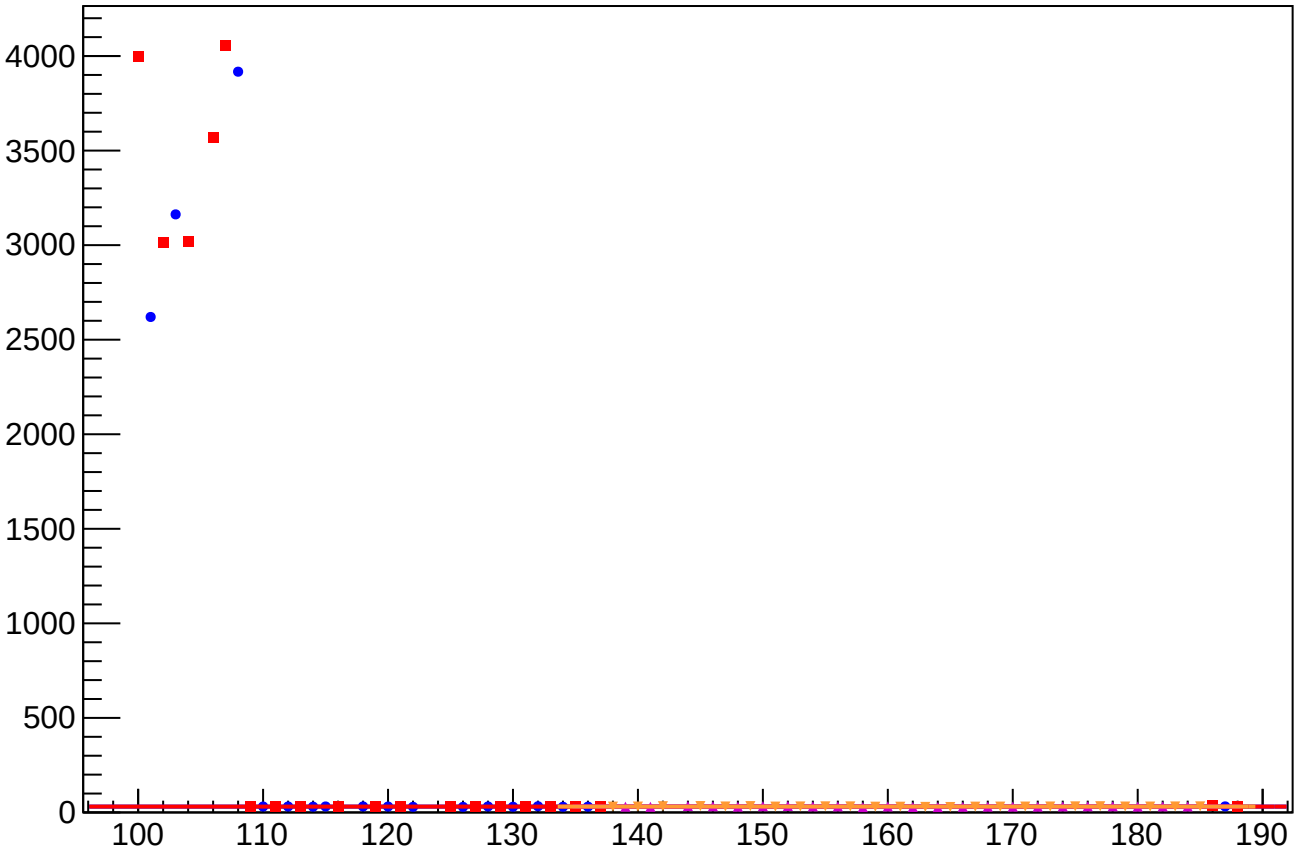
Left: -10.542+/-5.164 χ^2/NDF: 58.1/46

Right: 14.924+/-8.781 χ^2/NDF: 45.9/36

In: 1.318+/-6.380 χ^2/NDF:52.2/39

Out: -9.037+/-6.213 χ^2/NDF:56.6/43

All: -3.997+/-4.451 χ^2/NDF: 110.2/83



Right In: 30.962+/-0.009 χ^2/NDF: 3253046.2/16

Left Out: 31.221+/-0.005 χ^2/NDF:47423.0/23

Right Out: 30.965+/-0.008 χ^2/NDF: 3545211.1/19

Left In: 31.379+/-0.005 χ^2/NDF:85229.7/22

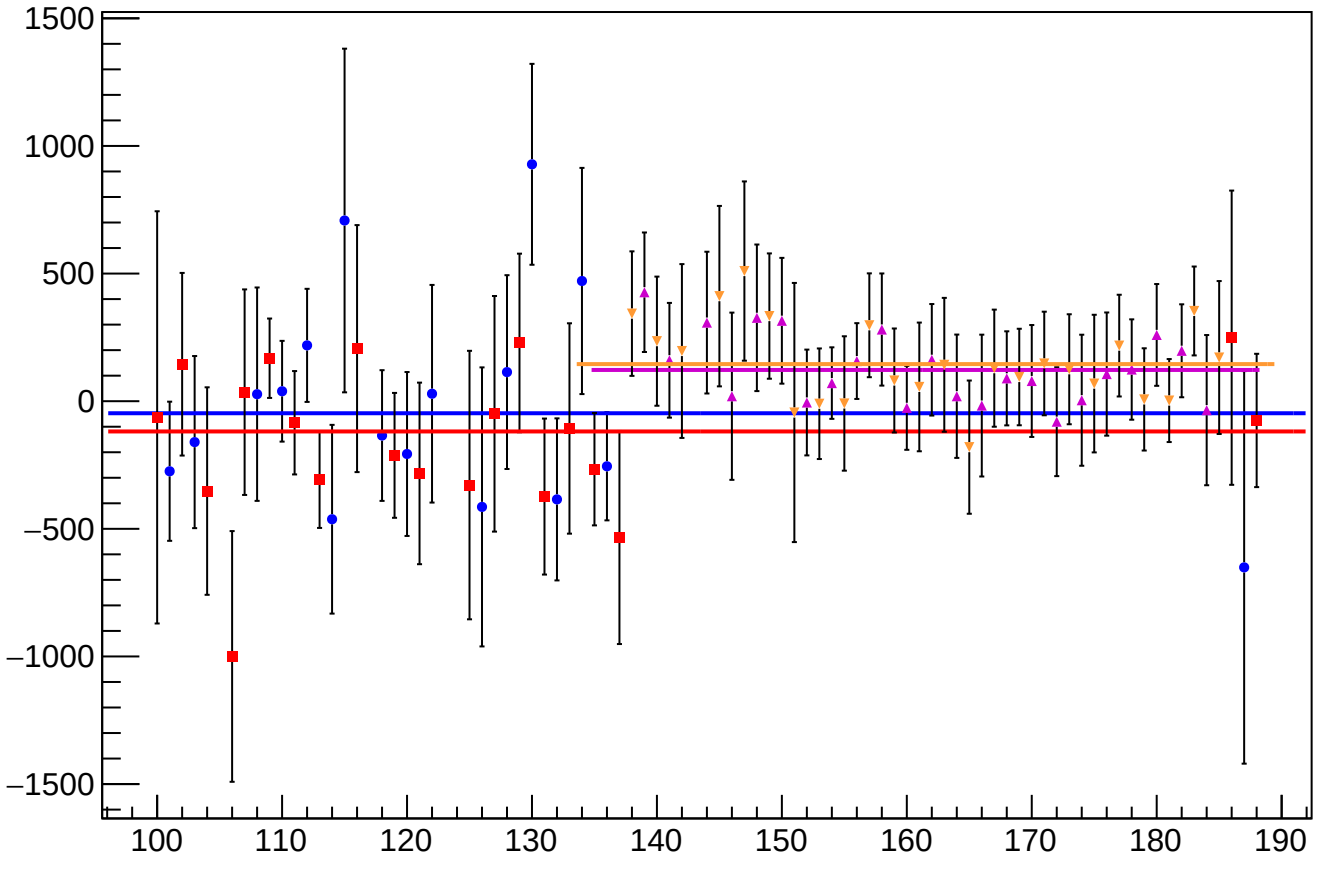
Left: 31.299+/-0.004 χ^2/NDF: 133120.3/46

Right: 30.963+/-0.006 χ^2/NDF: 6798257.3/36

In: 31.277+/-0.005 χ^2/NDF:3339864.5/39

Out: 31.153+/-0.004 χ^2/NDF:3593303.9/43

All: 31.213+/-0.003 χ^2/NDF: 6933555.8/83



Right In: -47.191+/-76.754 χ^2/NDF: 16.2/16

Left Out: 145.314+/-47.390 χ^2/NDF:9.4/23

Right Out: -118.533+/-66.607 χ^2/NDF: 13.2/19

Left In: 122.376+/-44.081 χ^2/NDF:7.9/22

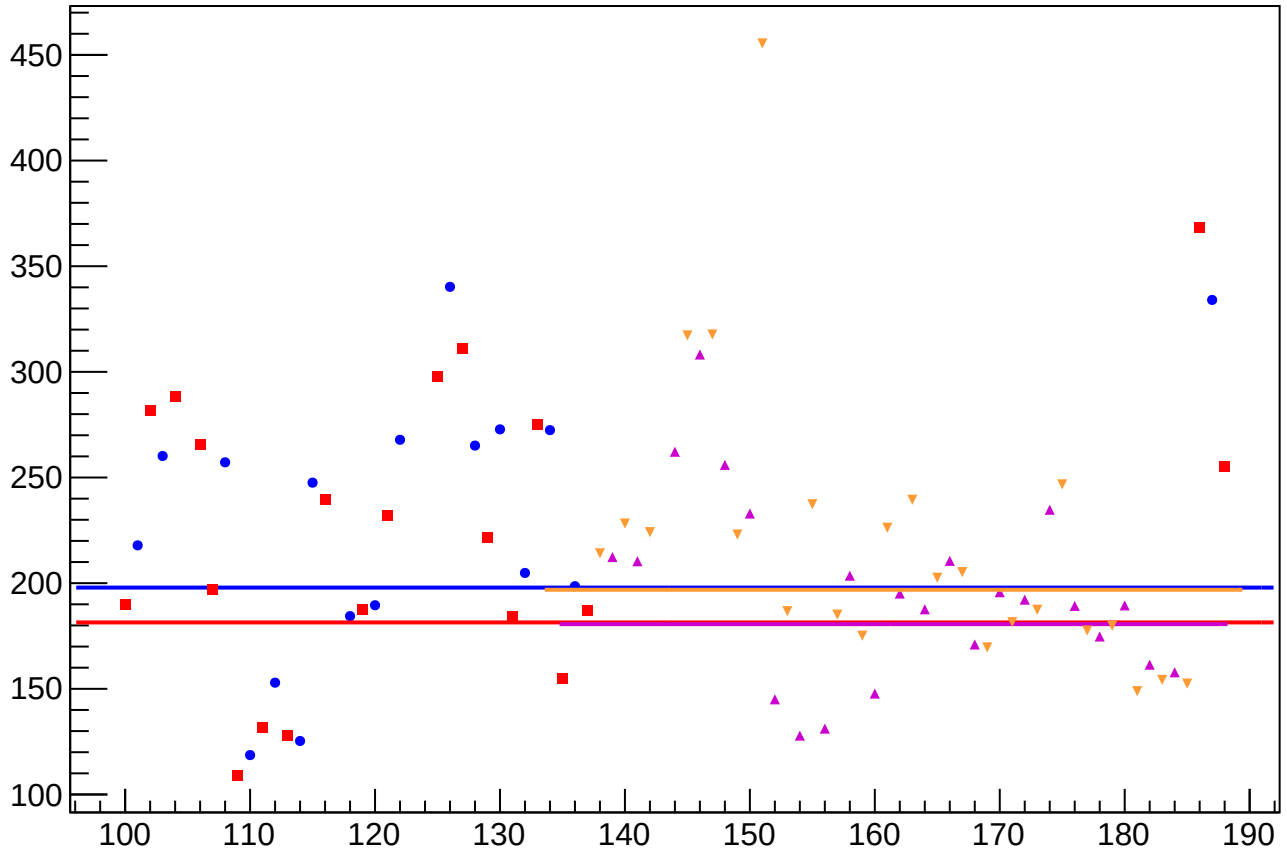
Left: 133.016+/-32.277 χ^2/NDF: 17.4/46

Right: -87.887+/-50.306 χ^2/NDF: 29.9/36

In: 80.318+/-38.225 χ^2/NDF:27.8/39

Out: 56.638+/-38.614 χ^2/NDF:33.0/43

All: 68.598+/-27.166 χ^2/NDF: 61.0/83



Right In: 197.912+/-0.054 χ^2/NDF: 1064086.6/16

Left Out: 196.873+/-0.034 χ^2/NDF:1725106.9/23

Right Out: 181.425+/-0.047 χ^2/NDF: 1928938.2/19

Left In: 180.601+/-0.031 χ^2/NDF:1628072.3/22

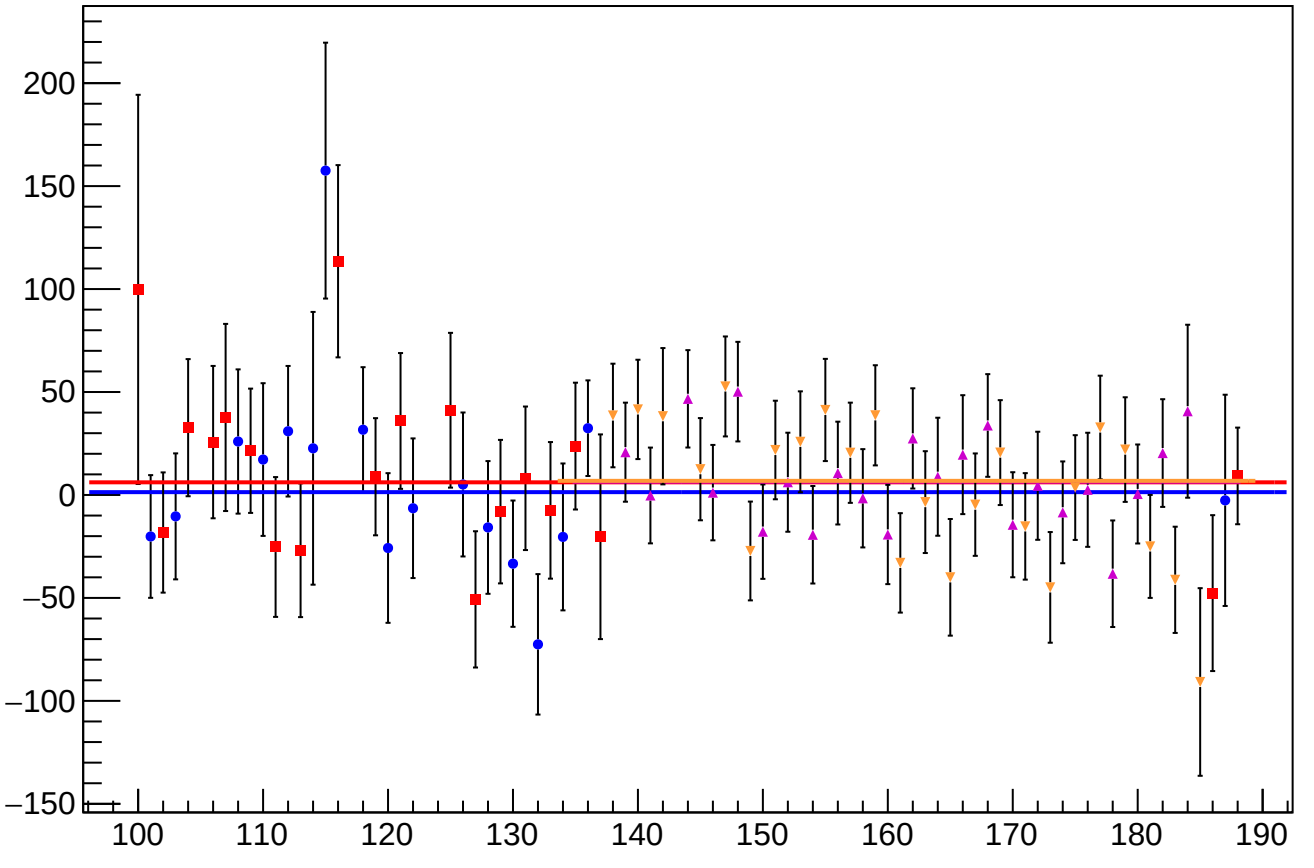
Left: 188.149+/-0.023 χ^2/NDF: 3479589.1/46

Right: 188.507+/-0.036 χ^2/NDF: 3045667.5/36

In: 184.895+/-0.027 χ^2/NDF:2768659.2/39

Out: 191.681+/-0.027 χ^2/NDF:3725472.5/43

All: 188.254+/-0.019 χ^2/NDF: 6525328.3/83



Right In: 1.369+/-8.261 χ^2/NDF: 18.7/16

Left Out: 6.857+/-5.229 χ^2/NDF:36.8/23

Right Out: 6.139+/-7.652 χ^2/NDF: 18.1/19

Left In: 6.482+/-5.247 χ^2/NDF:17.4/22

Left: 6.670+/-3.704 χ^2/NDF: 54.3/46

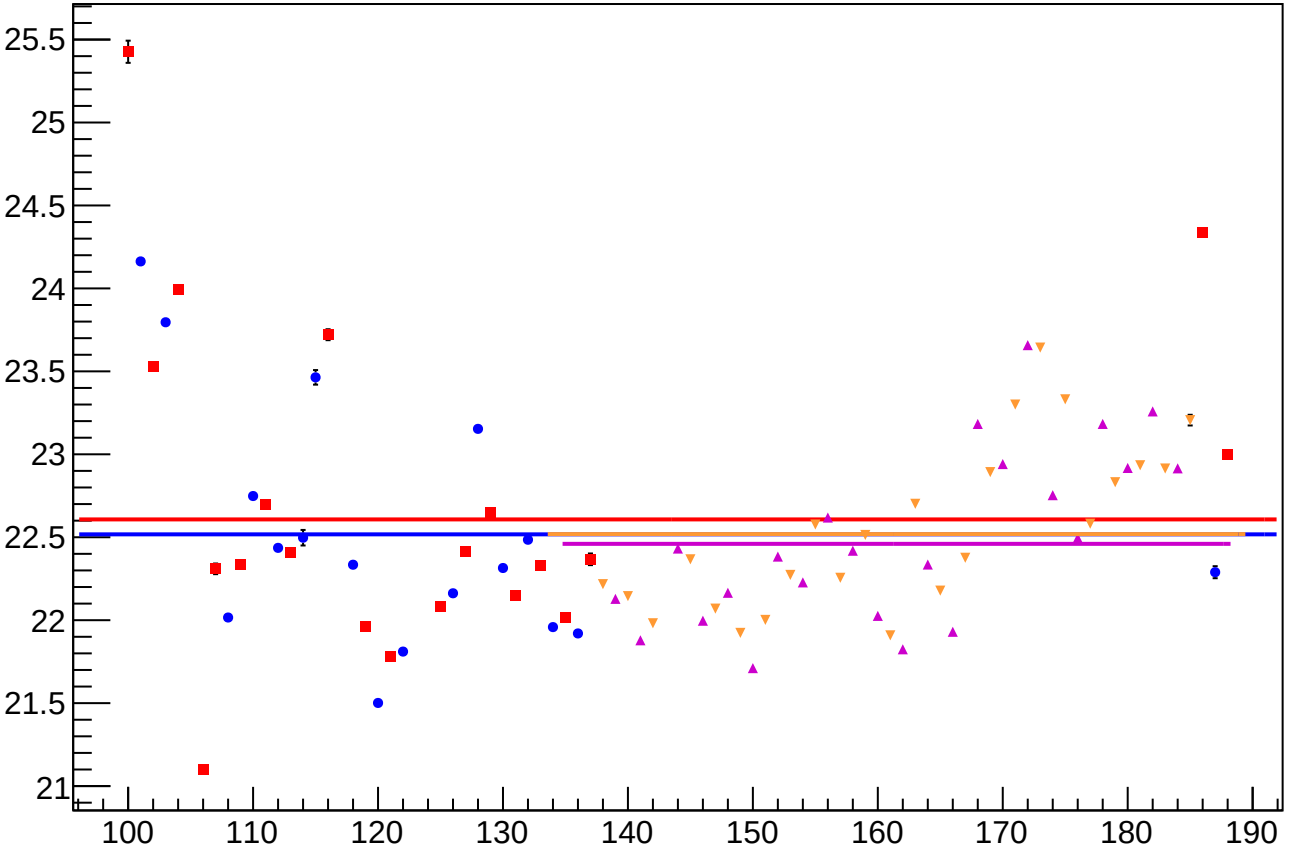
Right: 3.936+/-5.614 χ^2/NDF: 37.0/36

In: 5.012+/-4.429 χ^2/NDF:36.4/39

Out: 6.629+/-4.317 χ^2/NDF:55.0/43

All: 5.841+/-3.091 χ^2/NDF: 91.4/83

asym_bcm_dg_us_an_us_dd_rms vs Slug, Sign Corrected



Right In: 22.517+/-0.006 χ^2/NDF: 15988.4/16

Left Out: 22.519+/-0.004 χ^2/NDF:15998.2/23

Right Out: 22.608+/-0.005 χ^2/NDF: 20779.8/19

Left In: 22.460+/-0.004 χ^2/NDF:19117.2/22

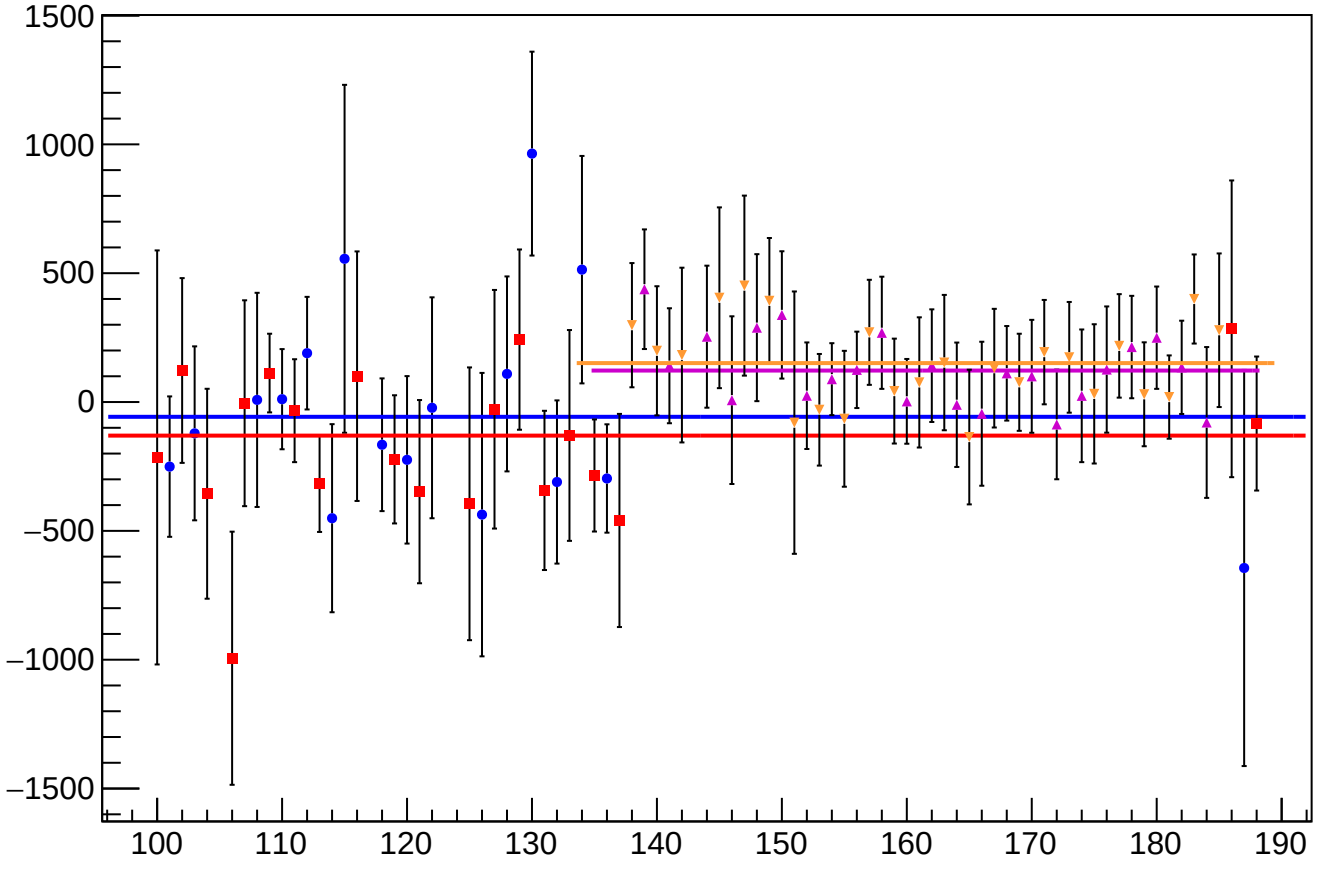
Left: 22.490+/-0.003 χ^2/NDF: 35241.2/46

Right: 22.566+/-0.004 χ^2/NDF: 36896.0/36

In: 22.477+/-0.003 χ^2/NDF:35174.1/39

Out: 22.547+/-0.003 χ^2/NDF:36960.5/43

All: 22.513+/-0.002 χ^2/NDF: 72394.3/83



Right In: -57.348+/-76.417 χ^2/NDF: 15.9/16

Left Out: 151.108+/-47.316 χ^2/NDF:10.0/23

Right Out: -130.323+/-66.150 χ^2/NDF: 12.1/19

Left In: 122.165+/-44.006 χ^2/NDF:7.5/22

Left: 135.589+/-32.224 χ^2/NDF: 17.6/46

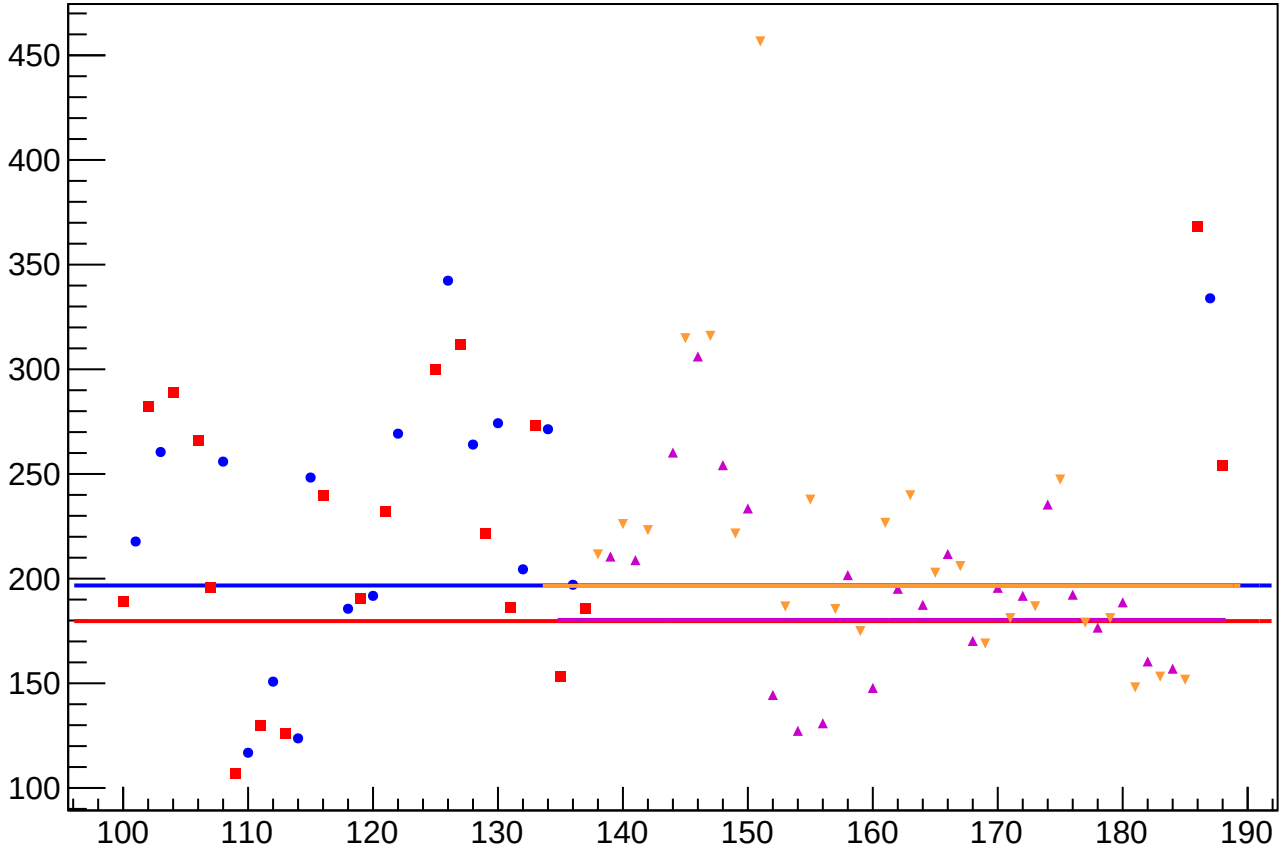
Right: -99.064+/-50.014 χ^2/NDF: 28.6/36

In: 77.460+/-38.135 χ^2/NDF:27.5/39

Out: 55.855+/-38.484 χ^2/NDF:34.1/43

All: 66.756+/-27.088 χ^2/NDF: 61.8/83

asym_bcm_dg_ds_an_us_avg_rms vs Slug, Sign Corrected



Right In: 196.730+/-0.054 χ^2/NDF: 1105776.3/16

Left Out: 196.533+/-0.033 χ^2/NDF:1727888.6/23

Right Out: 179.719+/-0.047 χ^2/NDF: 2004925.7/19

Left In: 180.274+/-0.031 χ^2/NDF:1624682.7/22

Left: 187.815+/-0.023 χ^2/NDF: 3479198.8/46

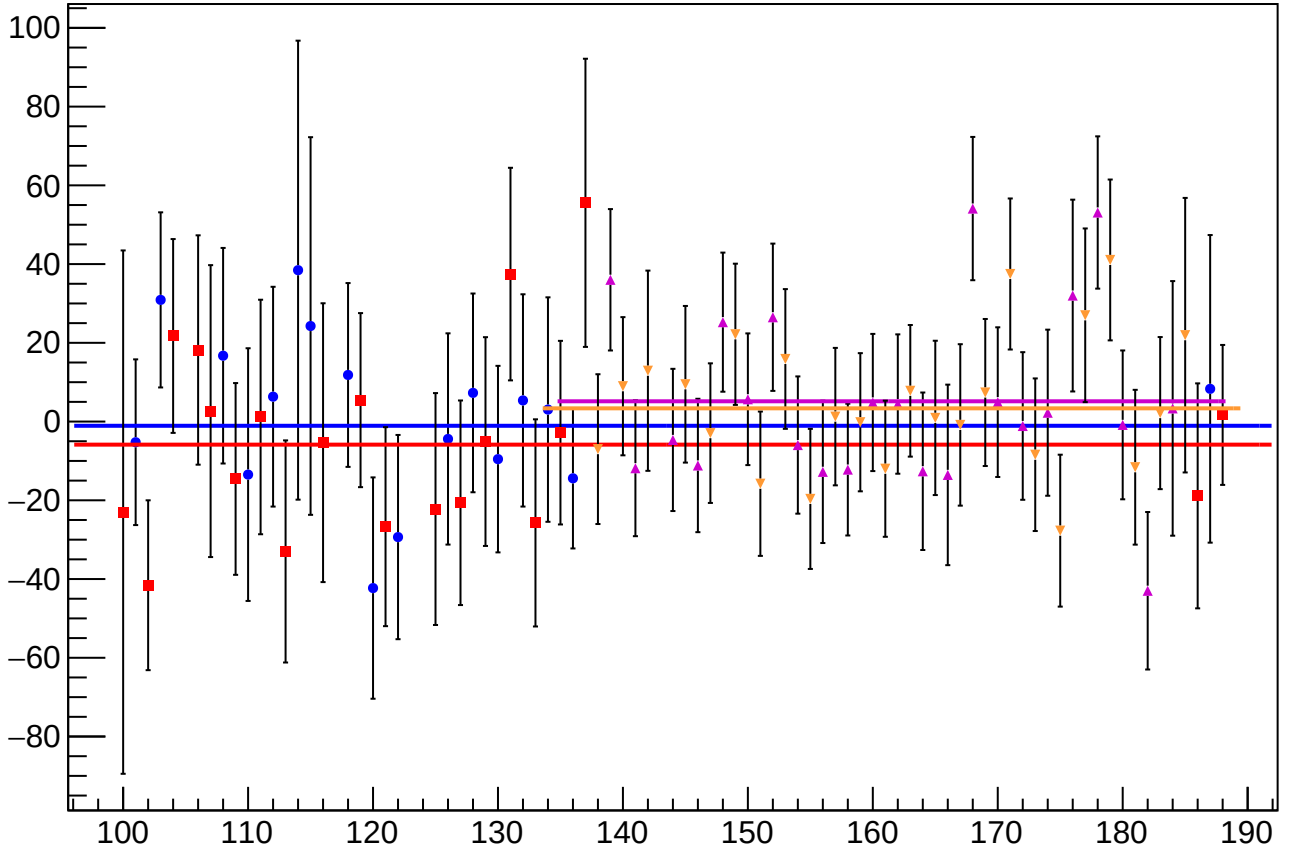
Right: 187.006+/-0.035 χ^2/NDF: 3167358.2/36

In: 184.372+/-0.027 χ^2/NDF:2800108.2/39

Out: 190.842+/-0.027 χ^2/NDF:3818297.5/43

All: 187.578+/-0.019 χ^2/NDF: 6646927.1/83

asym_bcm_dg_ds_an_us_dd_mean vs Slug, Sign Corrected



Right In: -1.071+/-6.410 χ^2/NDF: 8.1/16

Left Out: 3.359+/-3.905 χ^2/NDF:17.7/23

Right Out: -5.862+/-5.949 χ^2/NDF: 13.8/19

Left In: 5.150+/-3.924 χ^2/NDF:32.3/22

Left: 4.250+/-2.768 χ^2/NDF: 50.1/46

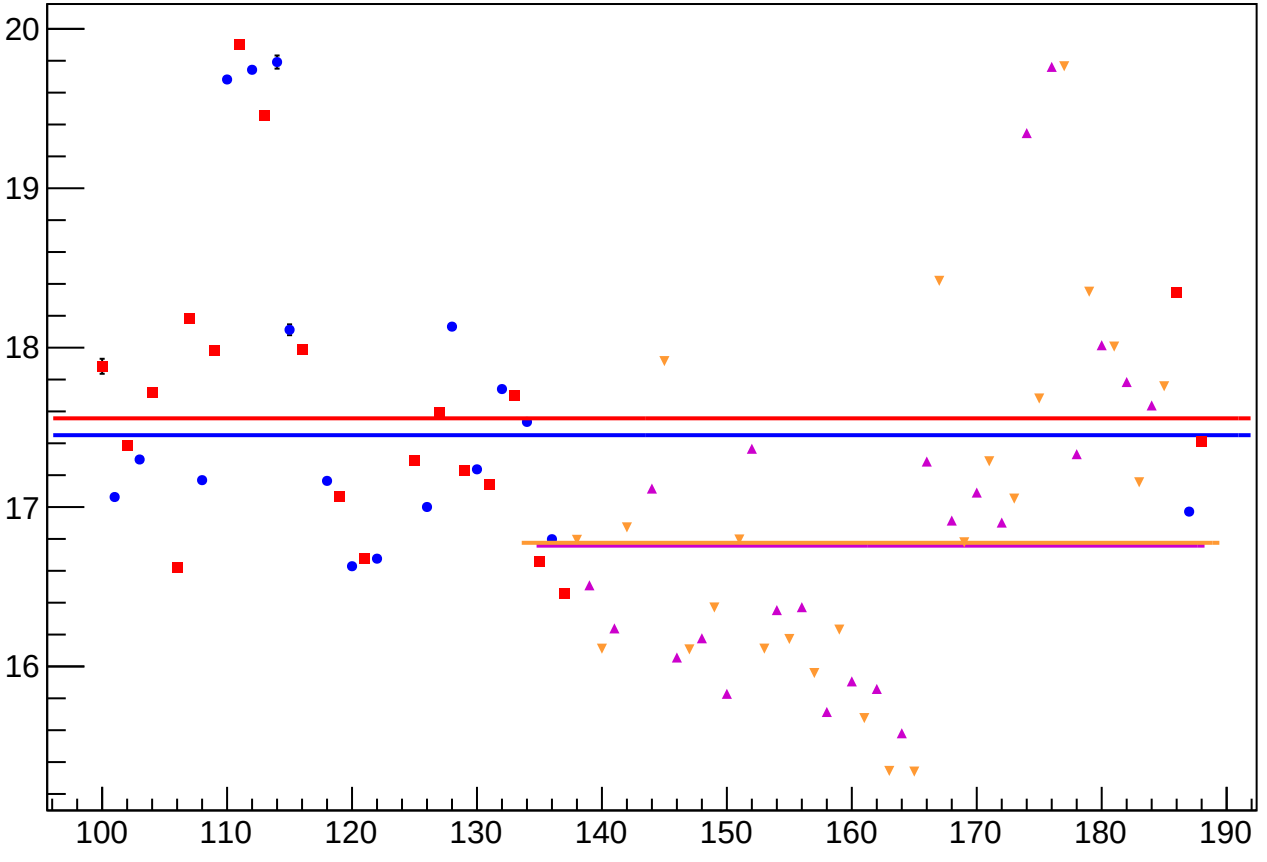
Right: -3.645+/-4.360 χ^2/NDF: 22.2/36

In: 3.455+/-3.347 χ^2/NDF:41.0/39

Out: 0.583+/-3.264 χ^2/NDF:33.2/43

All: 1.983+/-2.337 χ^2/NDF: 74.6/83

asym_bcm_dg_ds_an_us_dd_rms vs Slug, Sign Corrected



Right In: 17.451+/-0.005 χ^2/NDF: 36959.7/16

Left Out: 16.776+/-0.003 χ^2/NDF:136142.5/23

Right Out: 17.557+/-0.004 χ^2/NDF: 36151.3/19

Left In: 16.758+/-0.003 χ^2/NDF:123306.8/22

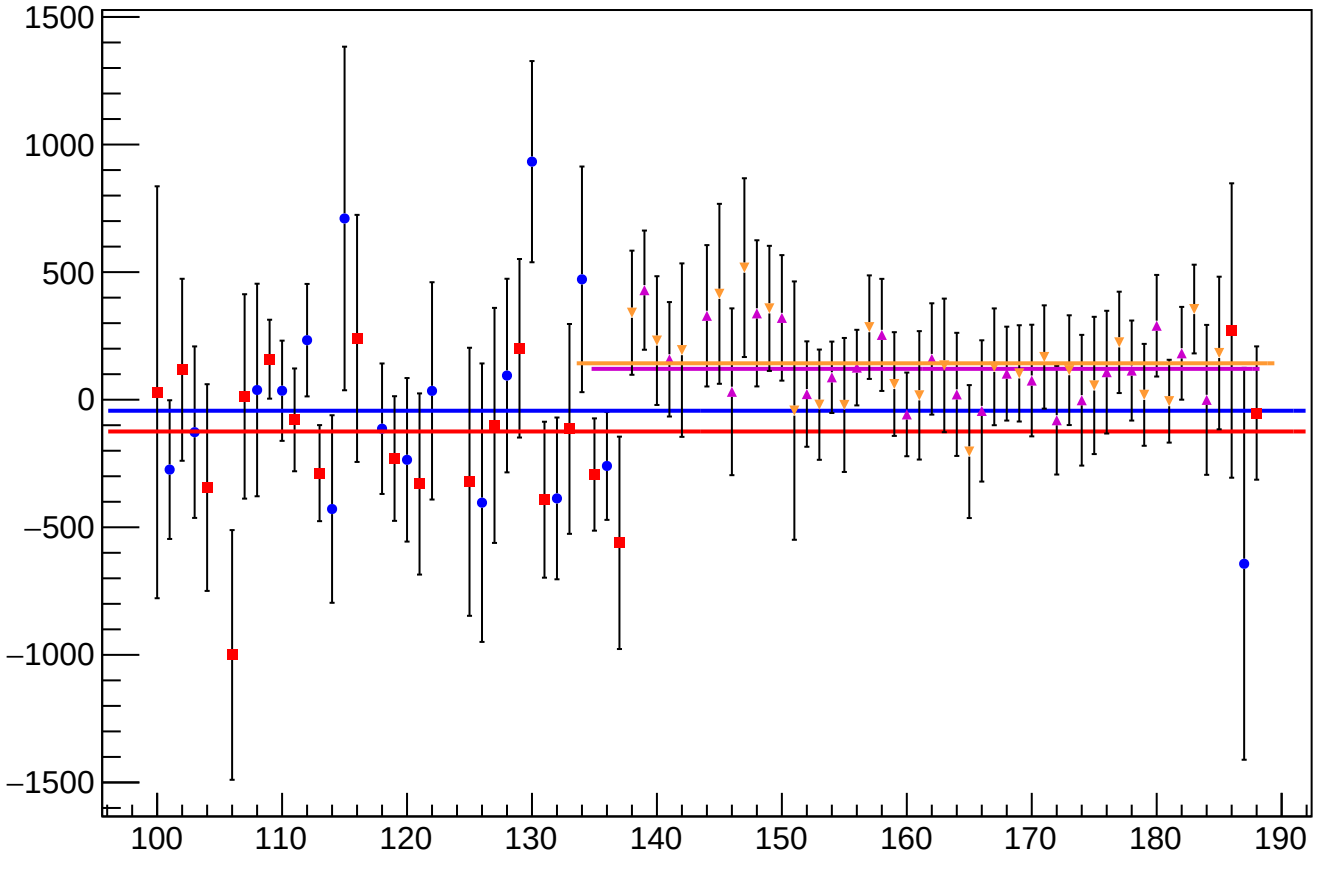
Left: 16.767+/-0.002 χ^2/NDF: 259470.4/46

Right: 17.508+/-0.003 χ^2/NDF: 73403.2/36

In: 16.947+/-0.002 χ^2/NDF:177273.9/39

Out: 17.011+/-0.002 χ^2/NDF:196380.3/43

All: 16.980+/-0.002 χ^2/NDF: 374030.8/83



Right In: -43.259+/-76.532 χ^2/NDF: 16.3/16

Left Out: 142.696+/-47.288 χ^2/NDF:10.2/23

Right Out: -124.526+/-66.410 χ^2/NDF: 13.4/19

Left In: 120.888+/-43.994 χ^2/NDF:8.2/22

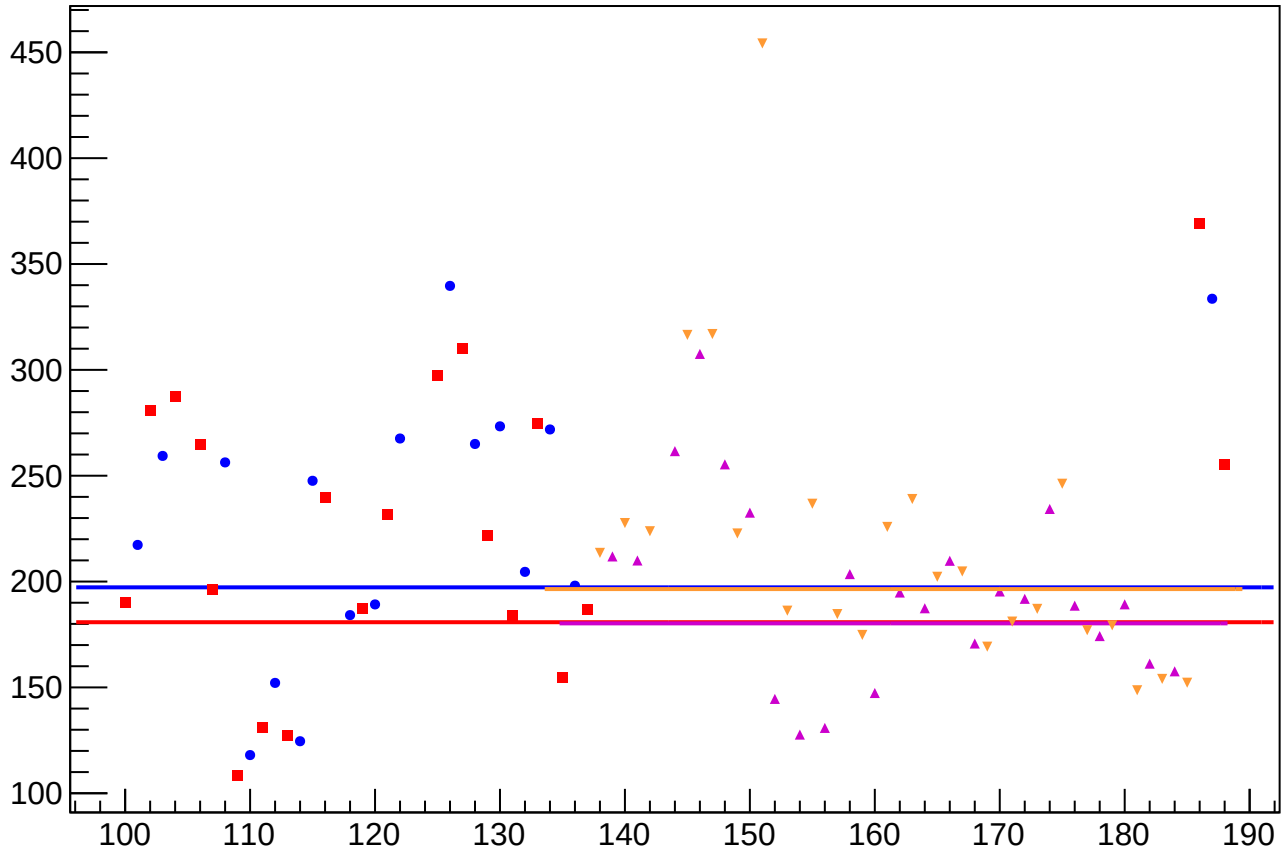
Left: 131.006+/-32.210 χ^2/NDF: 18.5/46

Right: -89.619+/-50.159 χ^2/NDF: 30.3/36

In: 80.118+/-38.141 χ^2/NDF:28.0/39

Out: 52.791+/-38.520 χ^2/NDF:34.3/43

All: 66.590+/-27.103 χ^2/NDF: 62.5/83



Right In: 197.267+/-0.054 χ^2/NDF: 1074678.7/16

Left Out: 196.452+/-0.033 χ^2/NDF:1723529.1/23

Right Out: 180.795+/-0.047 χ^2/NDF: 1944658.4/19

Left In: 180.248+/-0.031 χ^2/NDF:1627777.0/22

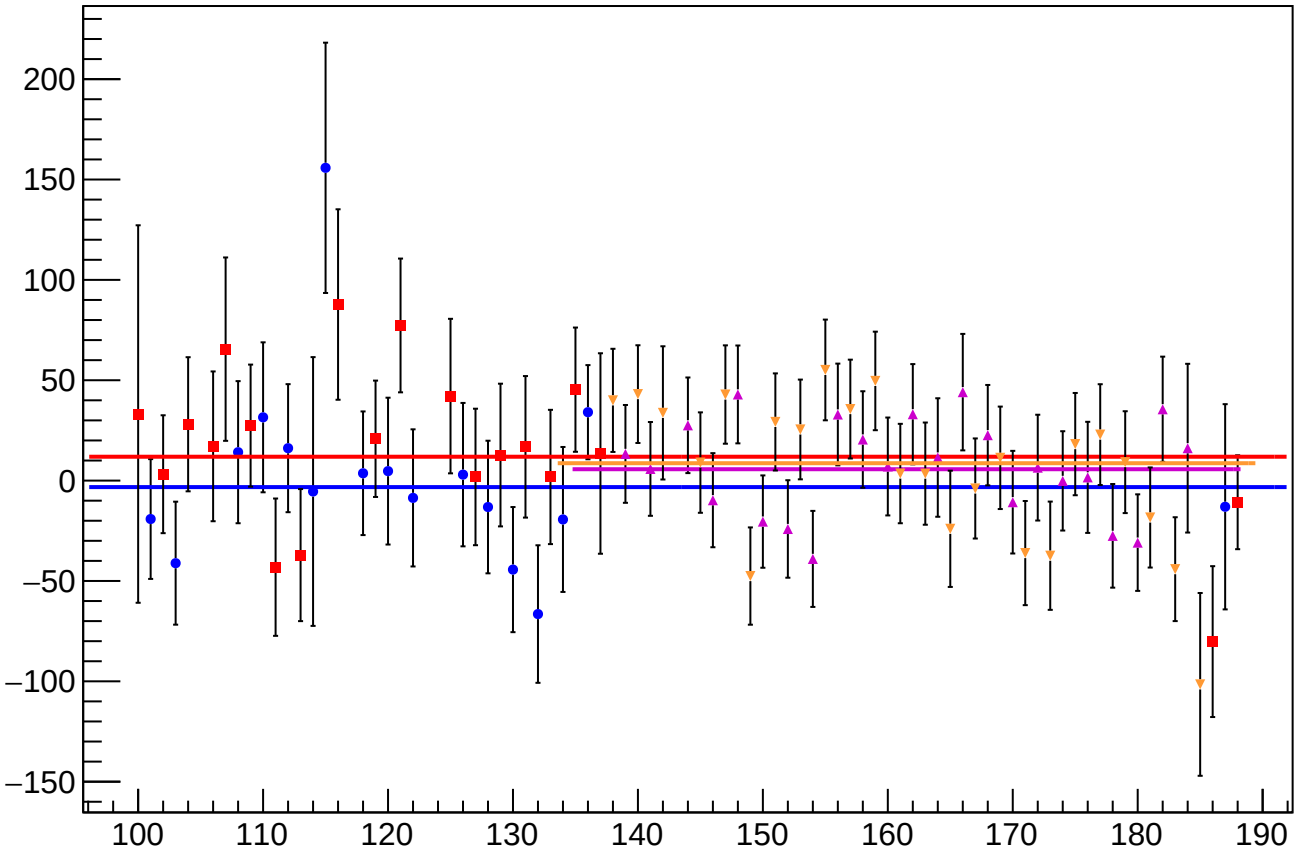
Left: 187.766+/-0.023 χ^2/NDF: 3477190.3/46

Right: 187.870+/-0.035 χ^2/NDF: 3072191.0/36

In: 184.475+/-0.027 χ^2/NDF:2776797.4/39

Out: 191.184+/-0.027 χ^2/NDF:3741953.9/43

All: 187.797+/-0.019 χ^2/NDF: 6549387.4/83



Right In: -3.236+/-8.341 χ^2/NDF: 18.0/16

Left Out: 8.664+/-5.275 χ^2/NDF:39.2/23

Right Out: 11.895+/-7.722 χ^2/NDF: 22.3/19

Left In: 5.668+/-5.286 χ^2/NDF:20.8/22

Left: 7.169+/-3.734 χ^2/NDF: 60.1/46

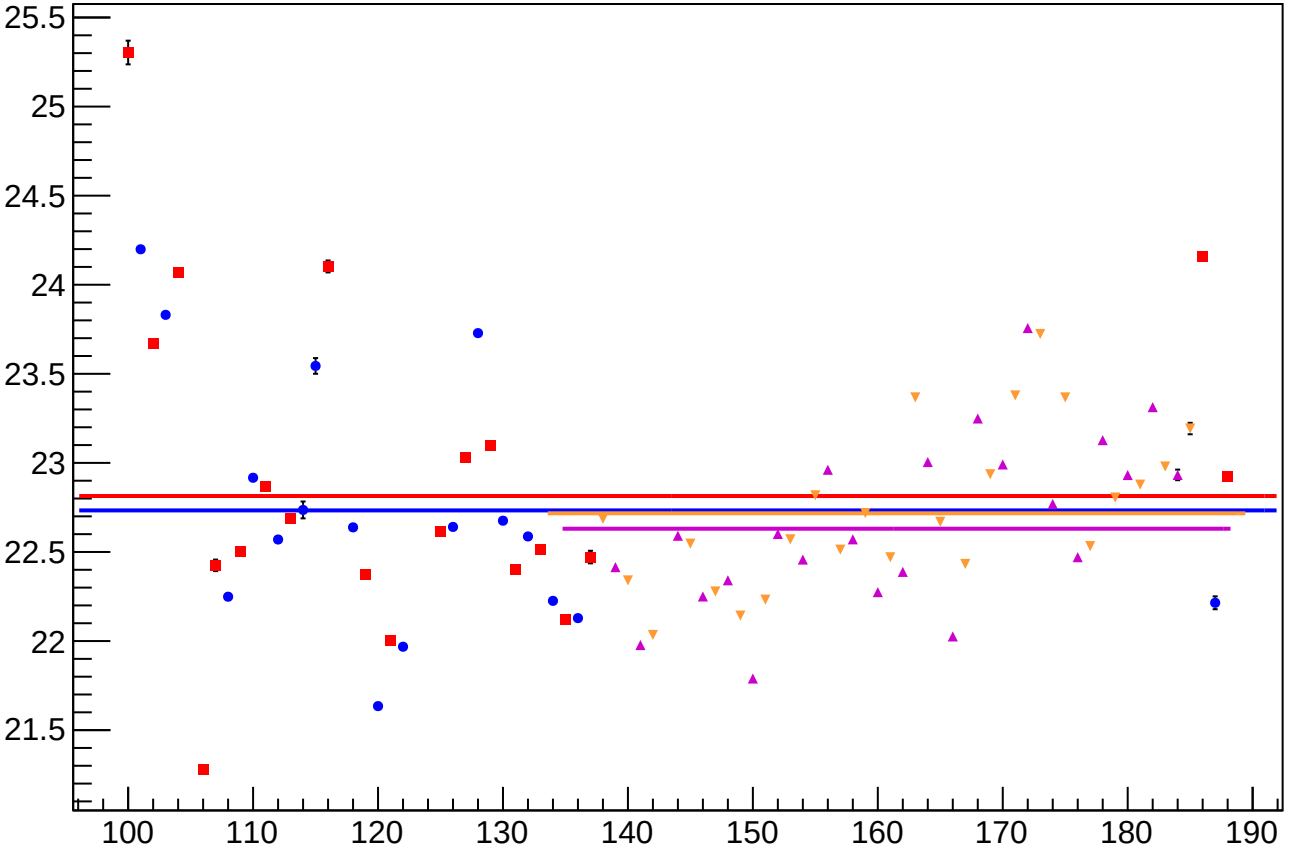
Right: 4.912+/-5.666 χ^2/NDF: 42.0/36

In: 3.116+/-4.465 χ^2/NDF:39.6/39

Out: 9.692+/-4.356 χ^2/NDF:61.6/43

All: 6.486+/-3.118 χ^2/NDF: 102.2/83

asym_bcm_dg_us_an_ds_dd_rms vs Slug, Sign Corrected



Right In: 22.733+/-0.006 χ^2/NDF: 14834.2/16

Left Out: 22.717+/-0.004 χ^2/NDF:12177.5/23

Right Out: 22.814+/-0.005 χ^2/NDF: 17185.5/19

Left In: 22.631+/-0.004 χ^2/NDF:15391.4/22

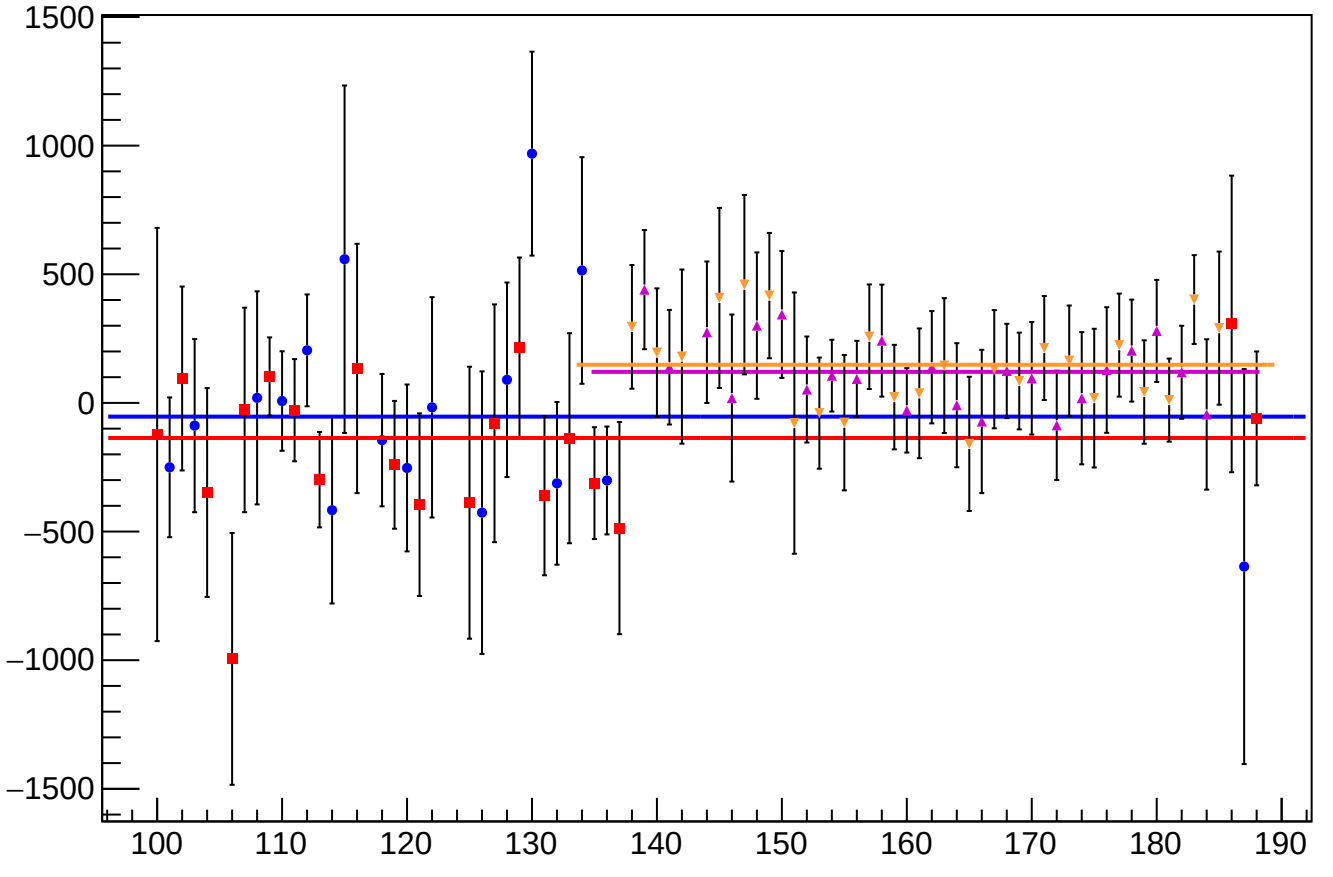
Left: 22.674+/-0.003 χ^2/NDF: 27836.8/46

Right: 22.777+/-0.004 χ^2/NDF: 32120.6/36

In: 22.660+/-0.003 χ^2/NDF:30442.1/39

Out: 22.748+/-0.003 χ^2/NDF:29578.6/43

All: 22.705+/-0.002 χ^2/NDF: 60417.7/83



Right In: -53.321+/-76.193 χ^2/NDF: 16.0/16

Left Out: 148.424+/-47.213 χ^2/NDF:10.9/23

Right Out: -136.221+/-65.950 χ^2/NDF: 12.2/19

Left In: 120.760+/-43.920 χ^2/NDF:7.9/22

Left: 133.593+/-32.157 χ^2/NDF: 19.0/46

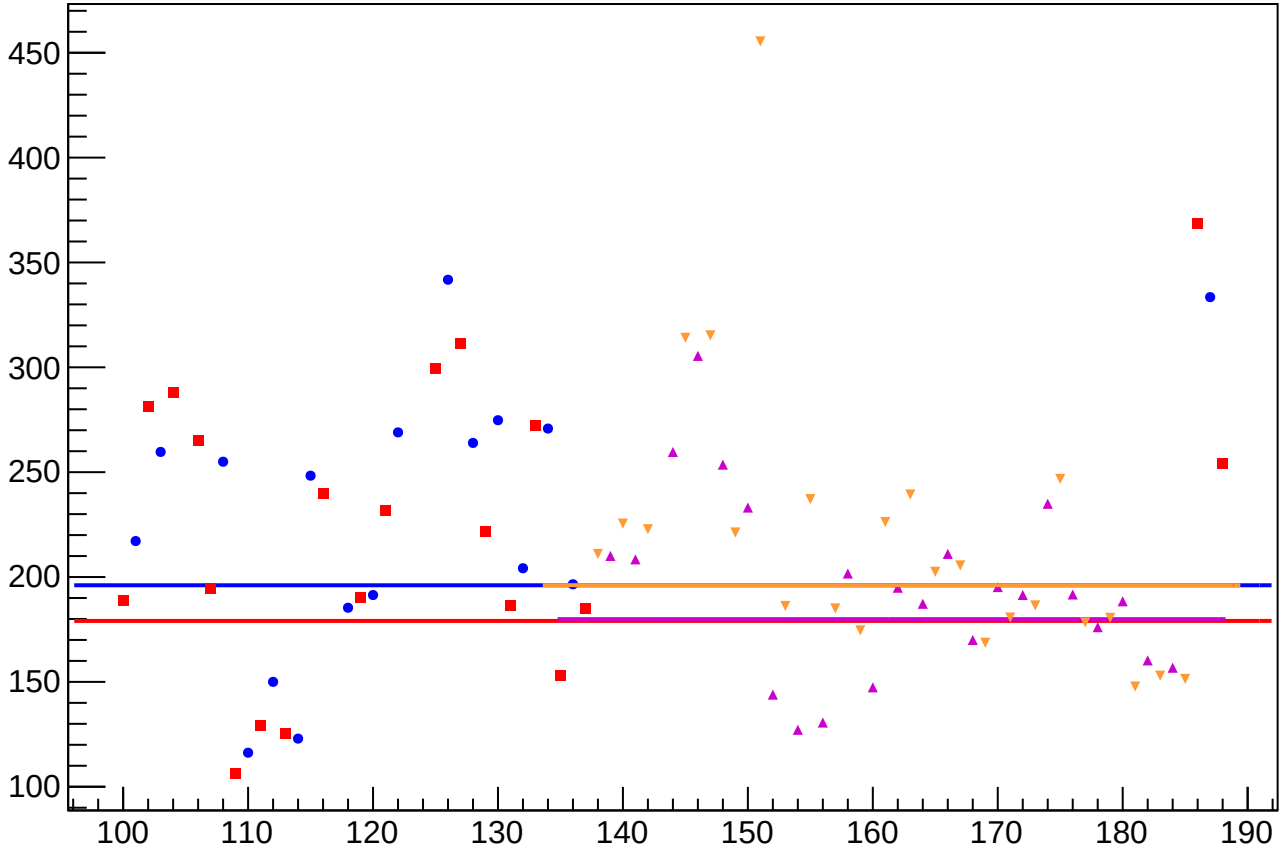
Right: -100.714+/-49.865 χ^2/NDF: 28.9/36

In: 77.343+/-38.051 χ^2/NDF:27.8/39

Out: 51.973+/-38.390 χ^2/NDF:35.5/43

All: 64.771+/-27.025 χ^2/NDF: 63.5/83

asym_bcm_dg_ds_an_ds_avg_rms vs Slug, Sign Corrected



Right In: 196.075+/-0.054 χ^2/NDF: 1116996.8/16

Left Out: 196.112+/-0.033 χ^2/NDF:1726285.1/23

Right Out: 179.077+/-0.047 χ^2/NDF: 2021524.7/19

Left In: 179.923+/-0.031 χ^2/NDF:1624144.3/22

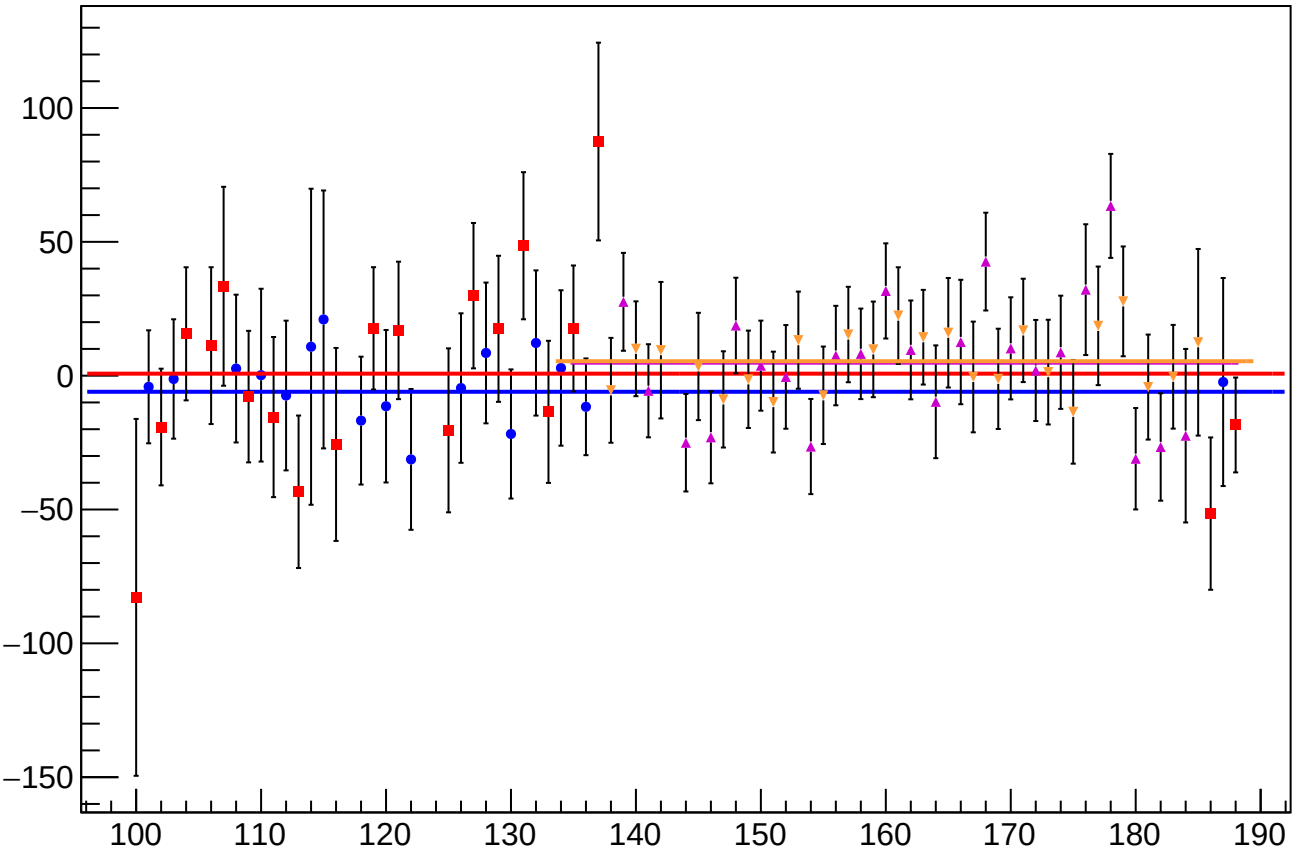
Left: 187.434+/-0.023 χ^2/NDF: 3476487.5/46

Right: 186.357+/-0.035 χ^2/NDF: 3195430.7/36

In: 183.952+/-0.027 χ^2/NDF:2808599.7/39

Out: 190.340+/-0.027 χ^2/NDF:3836042.1/43

All: 187.117+/-0.019 χ^2/NDF: 6672576.5/83



Right In: -6.014+/-6.500 χ^2/NDF: 3.1/16

Left Out: 5.406+/-3.972 χ^2/NDF:7.8/23

Right Out: 0.755+/-6.029 χ^2/NDF: 23.9/19

Left In: 4.858+/-3.980 χ^2/NDF:35.5/22

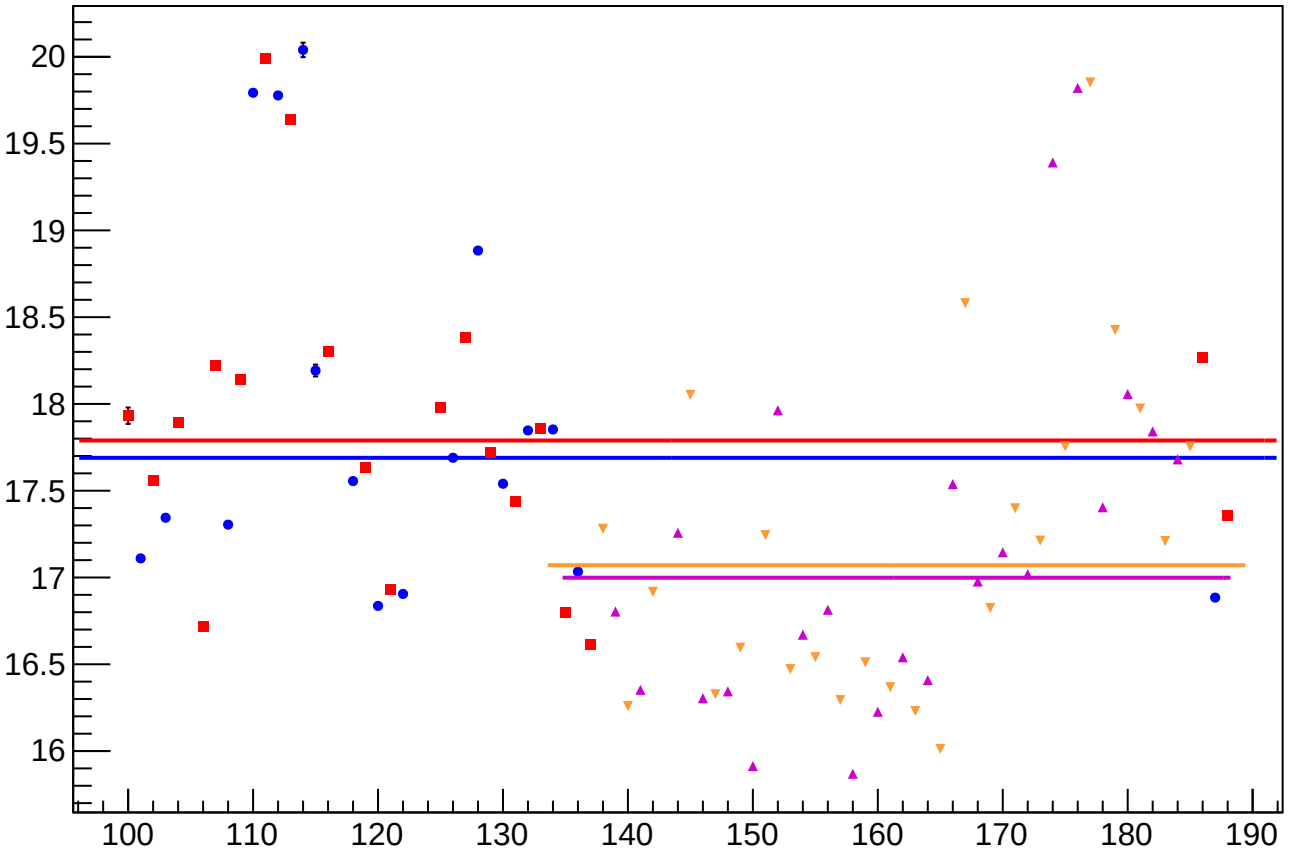
Left: 5.133+/-2.812 χ^2/NDF: 43.3/46

Right: -2.376+/-4.420 χ^2/NDF: 27.6/36

In: 1.893+/-3.394 χ^2/NDF:40.7/39

Out: 3.998+/-3.317 χ^2/NDF:32.1/43

All: 2.970+/-2.372 χ^2/NDF: 72.9/83



Right In: 17.689+/-0.005 χ^2/NDF: 36866.9/16

Left Out: 17.071+/-0.003 χ^2/NDF:96312.6/23

Right Out: 17.790+/-0.004 χ^2/NDF: 34305.8/19

Left In: 16.999+/-0.003 χ^2/NDF:104021.0/22

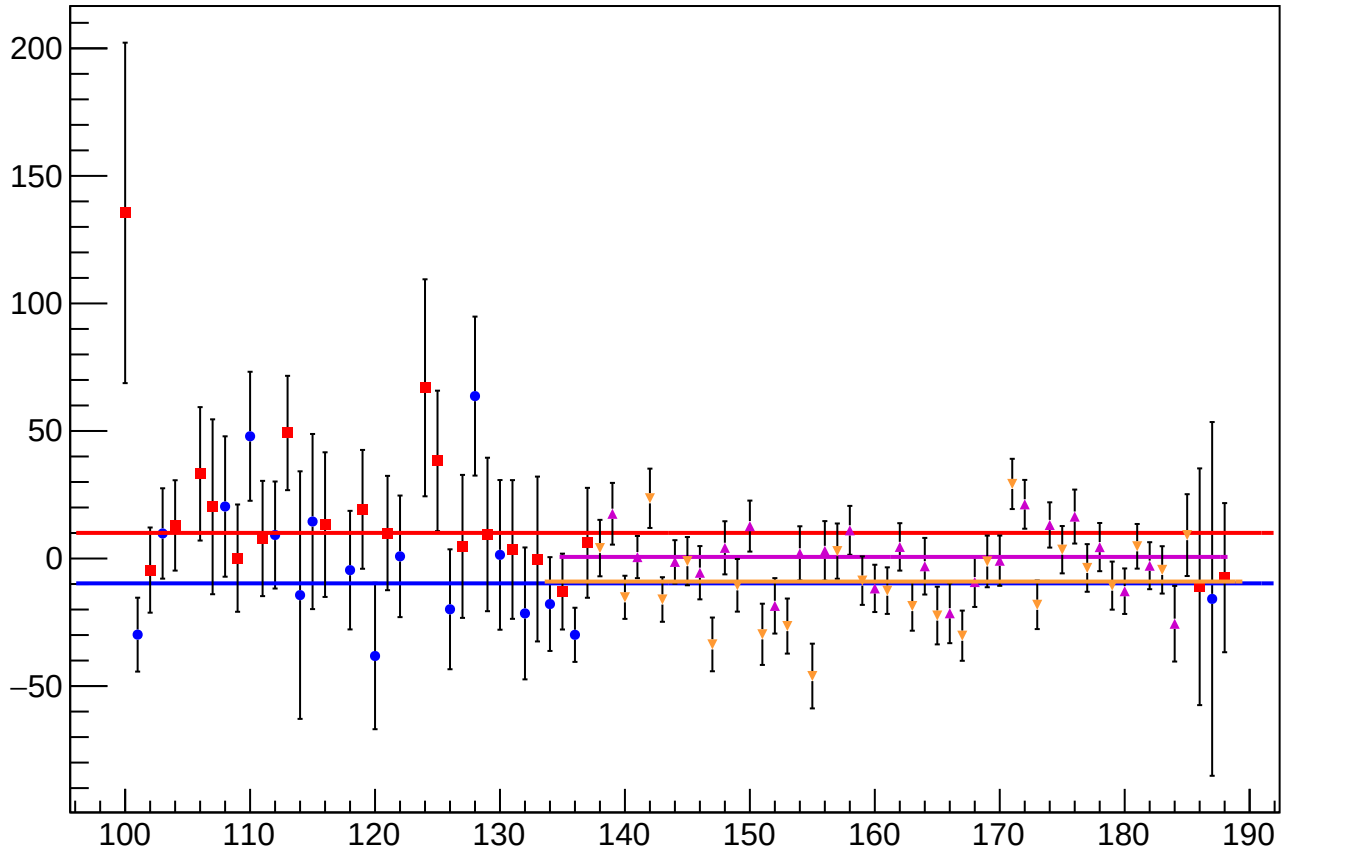
Left: 17.035+/-0.002 χ^2/NDF: 200661.3/46

Right: 17.743+/-0.003 χ^2/NDF: 71427.2/36

In: 17.187+/-0.002 χ^2/NDF:157316.9/39

Out: 17.288+/-0.002 χ^2/NDF:150443.4/43

All: 17.239+/-0.002 χ^2/NDF: 308668.7/83



Right In: -9.736+/-5.217 χ^2/NDF: 22.0/16

Left Out: -9.027+/-2.006 χ^2/NDF:62.0/24

Right Out: 10.042+/-5.309 χ^2/NDF: 14.7/20

Left In: 0.628+/-2.079 χ^2/NDF:29.5/22

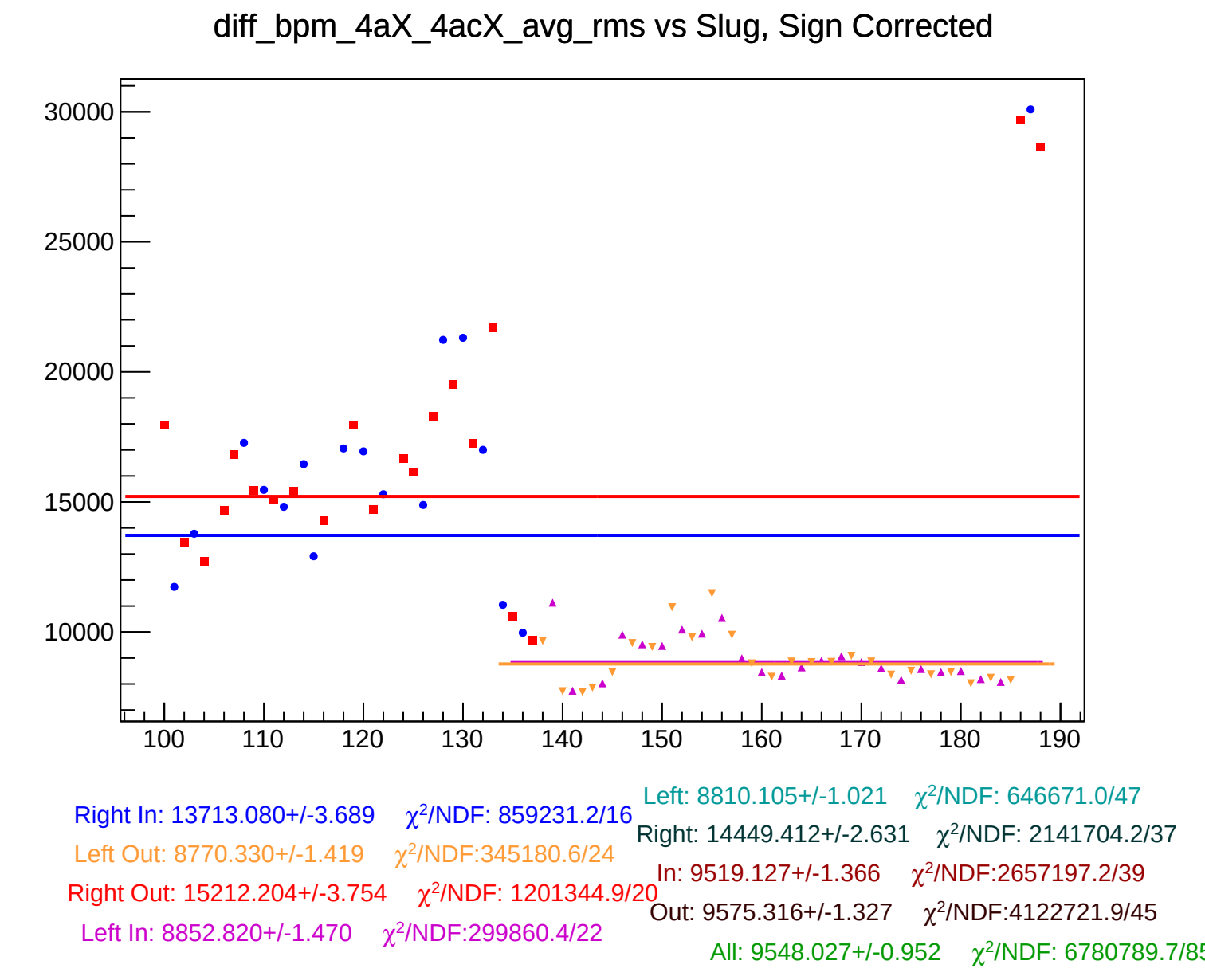
Left: -4.372+/-1.444 χ^2/NDF: 102.7/47

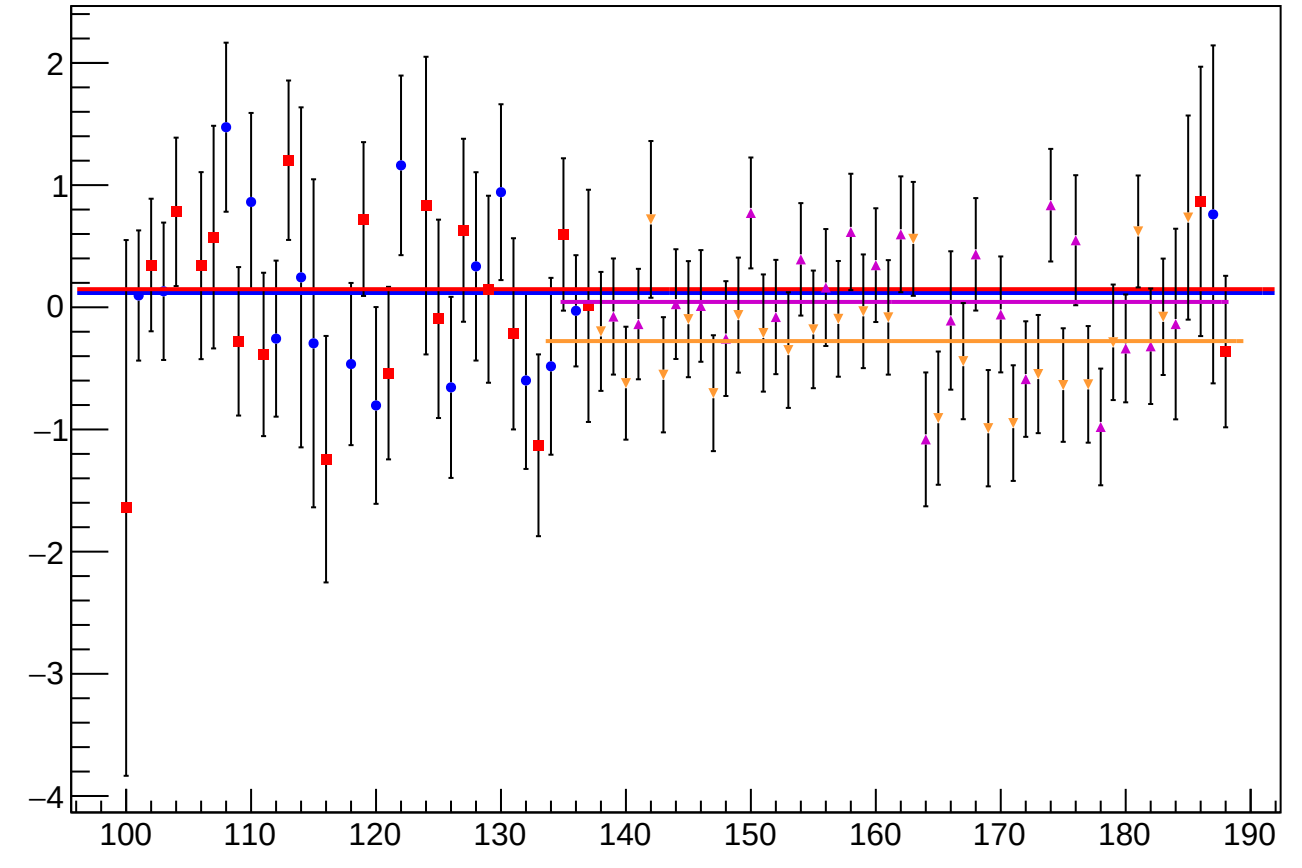
Right: -0.022+/-3.721 χ^2/NDF: 43.7/37

In: -0.793+/-1.931 χ^2/NDF:54.9/39

Out: -6.644+/-1.877 χ^2/NDF:88.0/45

All: -3.803+/-1.346 χ^2/NDF: 147.6/85


diff_bpm_4aX_4acX_avg_rms vs Slug, Sign Corrected
30000
25000
20000
15000
10000
100
110
120
130
140
150
160
170
180
190
Right In: 13713.080+/-3.689 χ²/NDF: 859231.2/16
Left Out: 8770.330+/-1.419 χ²/NDF:345180.6/24
Right Out: 15212.204+/-3.754 χ²/NDF: 1201344.9/20
Left In: 8852.820+/-1.470 χ²/NDF:299860.4/22
Left: 8810.105+/-1.021 χ²/NDF: 646671.0/47
Right: 14449.412+/-2.631 χ²/NDF: 2141704.2/37
In: 9519.127+/-1.366 χ²/NDF:2657197.2/39
Out: 9575.316+/-1.327 χ²/NDF:4122721.9/45
All: 9548.027+/-0.952 χ²/NDF: 6780789.7/85



Right In: 0.117+/-0.170 χ^2/NDF: 13.9/16

Left Out: -0.277+/-0.097 χ^2/NDF:21.0/24

Right Out: 0.148+/-0.162 χ^2/NDF: 15.2/20

Left In: 0.044+/-0.100 χ^2/NDF:23.8/22

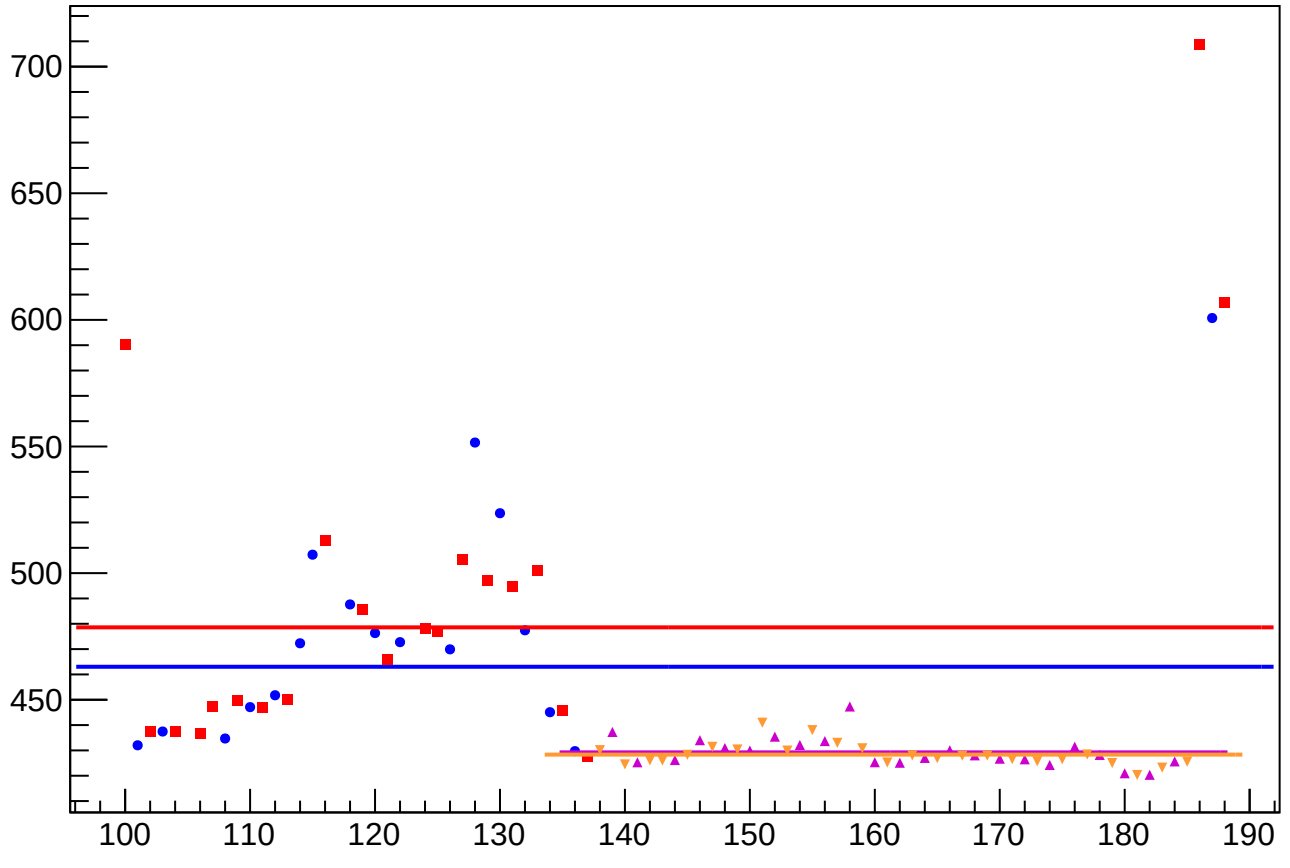
Left: -0.121+/-0.070 χ^2/NDF: 50.1/47

Right: 0.133+/-0.117 χ^2/NDF: 29.1/37

In: 0.063+/-0.086 χ^2/NDF:37.8/39

Out: -0.164+/-0.083 χ^2/NDF:41.3/45

All: -0.055+/-0.060 χ^2/NDF: 82.7/85



Right In: 463.028+/-0.120 χ^2/NDF: 95059.1/16

Left Out: 428.343+/-0.069 χ^2/NDF:4016.5/24

Right Out: 478.588+/-0.114 χ^2/NDF: 240619.3/20

Left In: 429.228+/-0.071 χ^2/NDF:6749.9/22

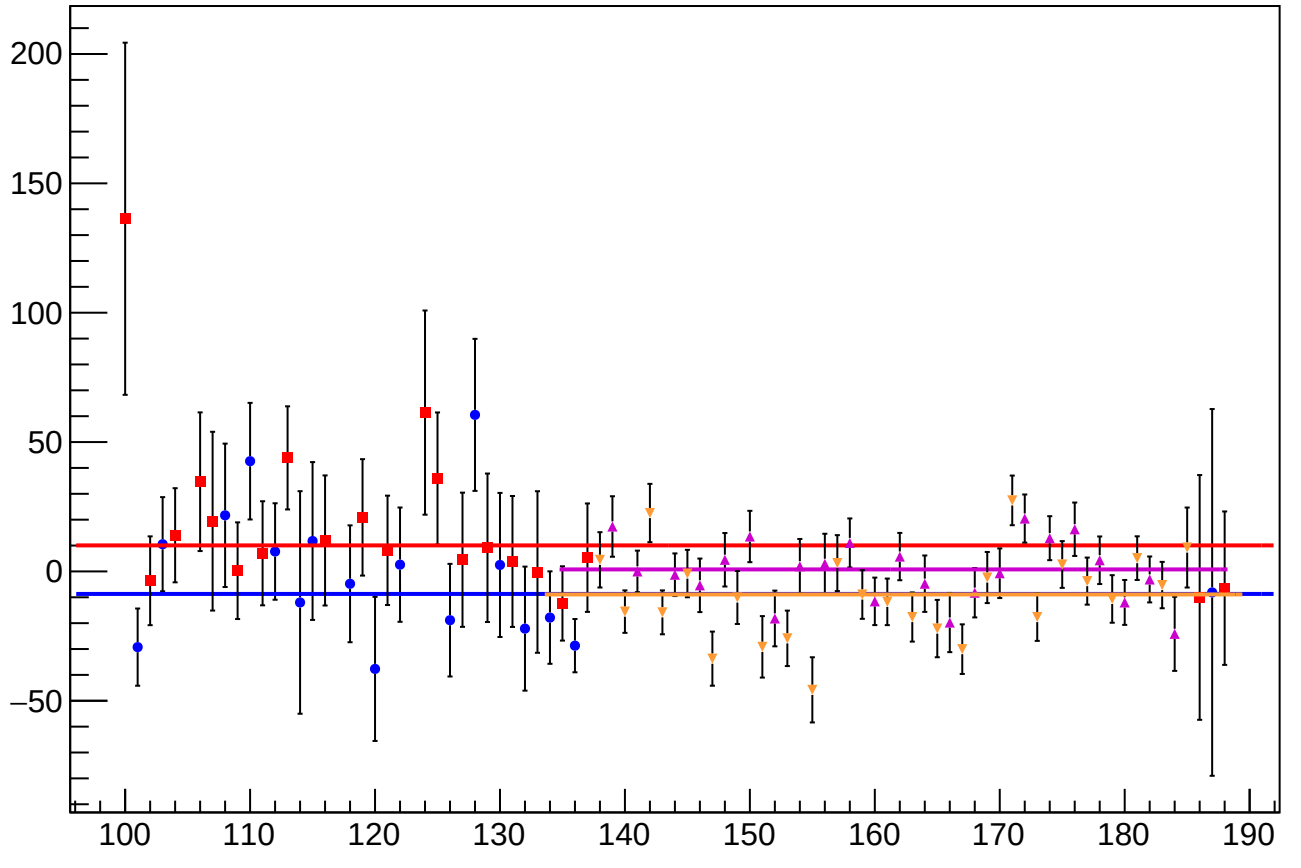
Left: 428.772+/-0.049 χ^2/NDF: 10846.7/47

Right: 471.217+/-0.083 χ^2/NDF: 344454.8/37

In: 437.917+/-0.061 χ^2/NDF:160273.9/39

Out: 441.704+/-0.059 χ^2/NDF:386438.9/45

All: 439.878+/-0.042 χ^2/NDF: 548702.5/85



Right In: -8.705+/-5.023 χ^2/NDF: 22.3/16

Left Out: -8.904+/-1.961 χ^2/NDF:61.6/24

Right Out: 10.058+/-5.084 χ^2/NDF: 14.4/20

Left In: 0.773+/-2.034 χ^2/NDF:29.3/22

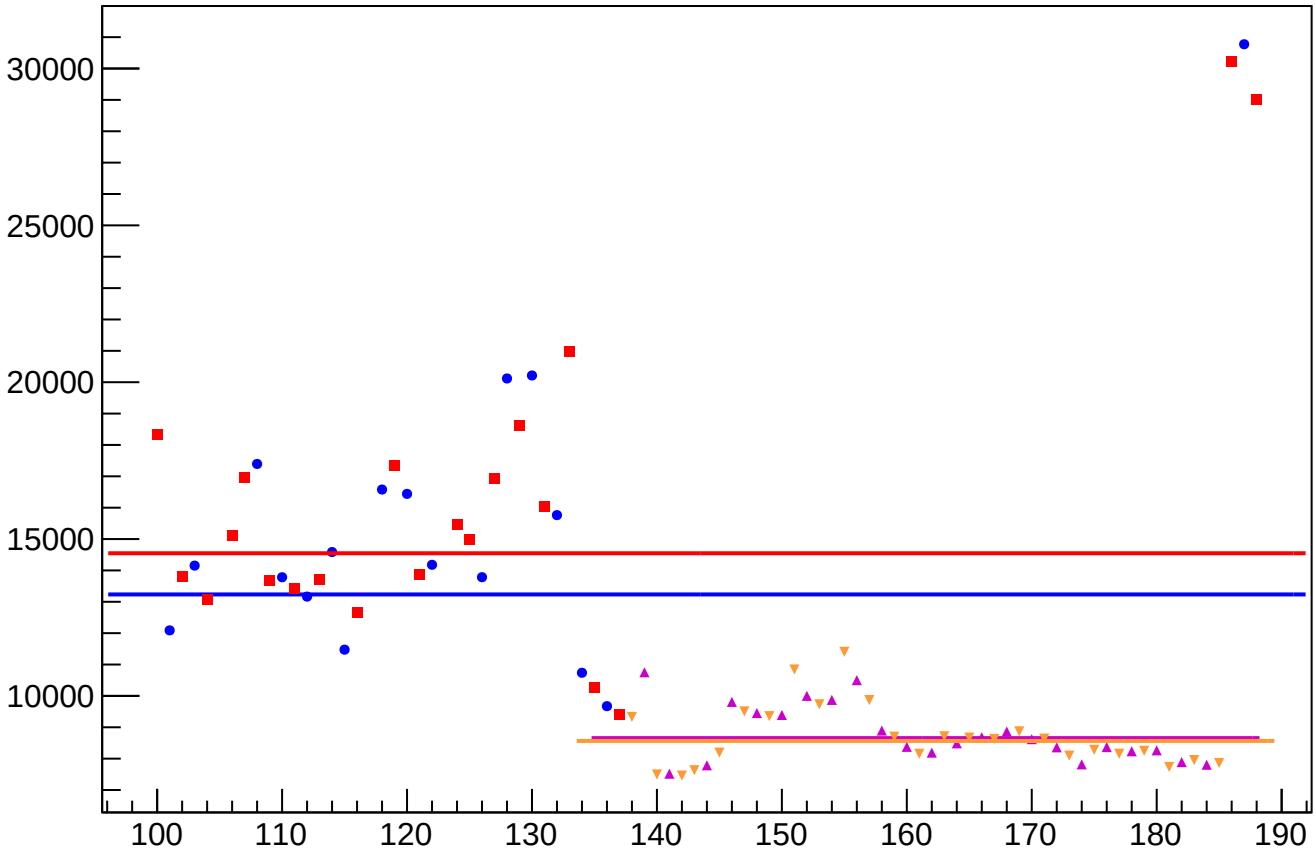
Left: -4.243+/-1.412 χ^2/NDF: 102.6/47

Right: 0.563+/-3.573 χ^2/NDF: 43.6/37

In: -0.562+/-1.885 χ^2/NDF:54.6/39

Out: -6.449+/-1.830 χ^2/NDF:88.0/45

All: -3.594+/-1.313 χ^2/NDF: 147.7/85



Right In: 13234.377+/-3.552 χ^2/NDF: 805694.2/16

Left Out: 8564.413+/-1.387 χ^2/NDF:400646.9/24

Right Out: 14547.180+/-3.595 χ^2/NDF: 1236765.2/20

Left In: 8654.310+/-1.438 χ^2/NDF:345603.4/22

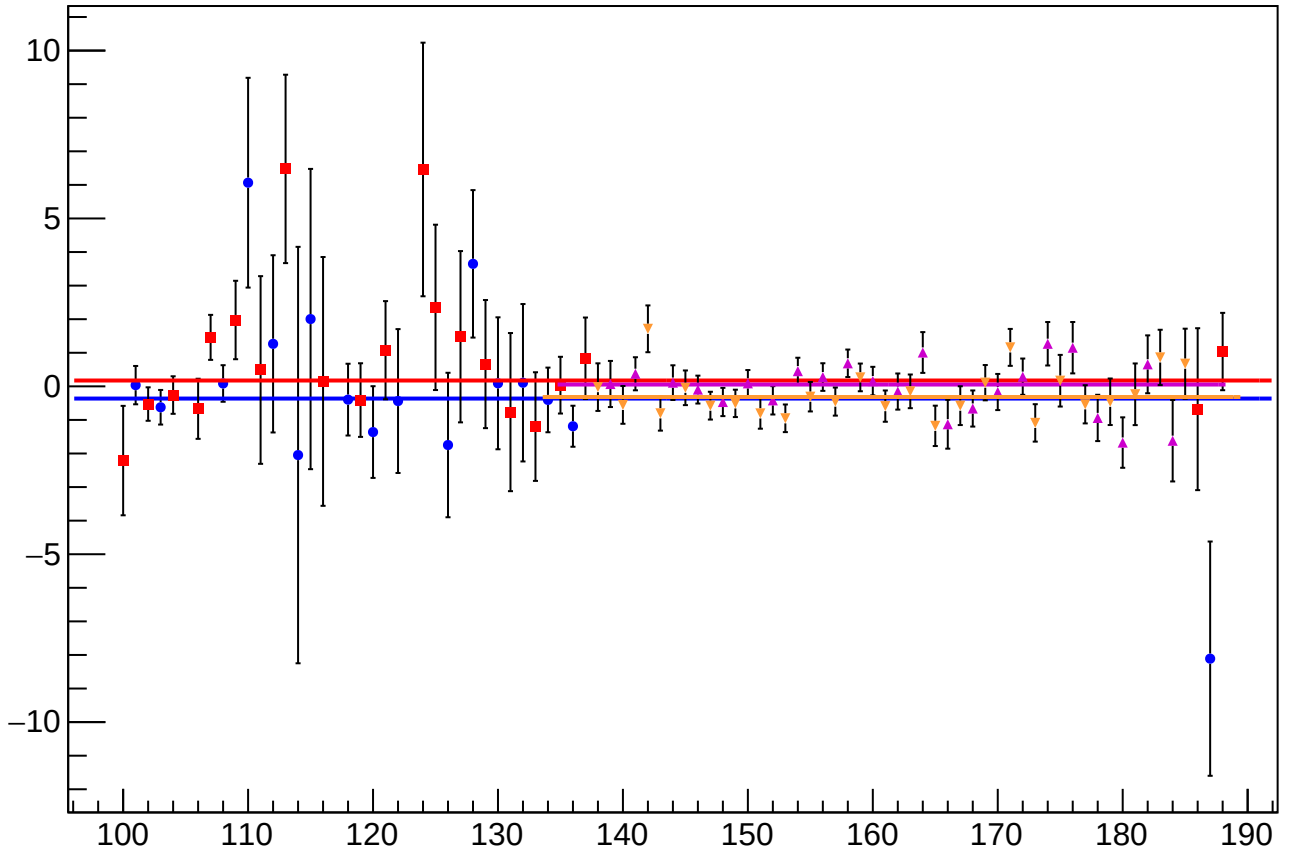
Left: 8607.718+/-0.998 χ^2/NDF: 748275.4/47

Right: 13882.846+/-2.527 χ^2/NDF: 2109939.8/37

In: 9299.457+/-1.333 χ^2/NDF:2579850.0/39

Out: 9339.105+/-1.294 χ^2/NDF:4048268.8/45

All: 9319.876+/-0.928 χ^2/NDF: 6628574.4/85



Right In: -0.364+/-0.244 χ^2/NDF: 17.5/16

Left Out: -0.318+/-0.106 χ^2/NDF:32.3/24

Right Out: 0.174+/-0.238 χ^2/NDF: 23.2/20

Left In: 0.054+/-0.108 χ^2/NDF:29.8/22

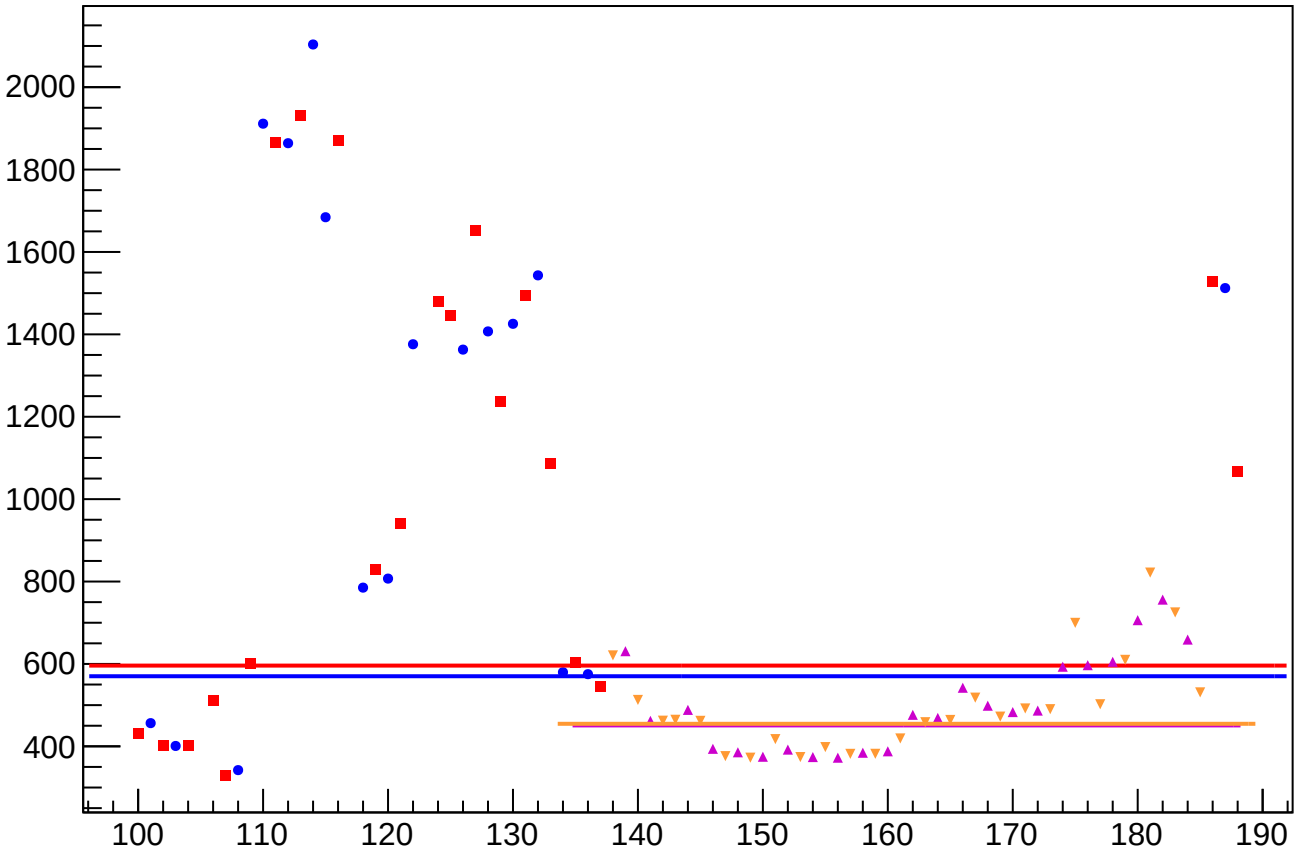
Left: -0.136+/-0.076 χ^2/NDF: 68.1/47

Right: -0.089+/-0.170 χ^2/NDF: 43.2/37

In: -0.015+/-0.099 χ^2/NDF:49.8/39

Out: -0.236+/-0.097 χ^2/NDF:59.0/45

All: -0.128+/-0.069 χ^2/NDF: 111.4/85



Right In: 570.144+/-0.172 χ^2/NDF: 3597124.9/16

Left Out: 454.697+/-0.075 χ^2/NDF:1451363.0/24

Right Out: 595.975+/-0.168 χ^2/NDF: 4236201.8/20

Left In: 450.767+/-0.076 χ^2/NDF:1471497.9/22

Left: 452.772+/-0.054 χ^2/NDF: 2924208.1/47

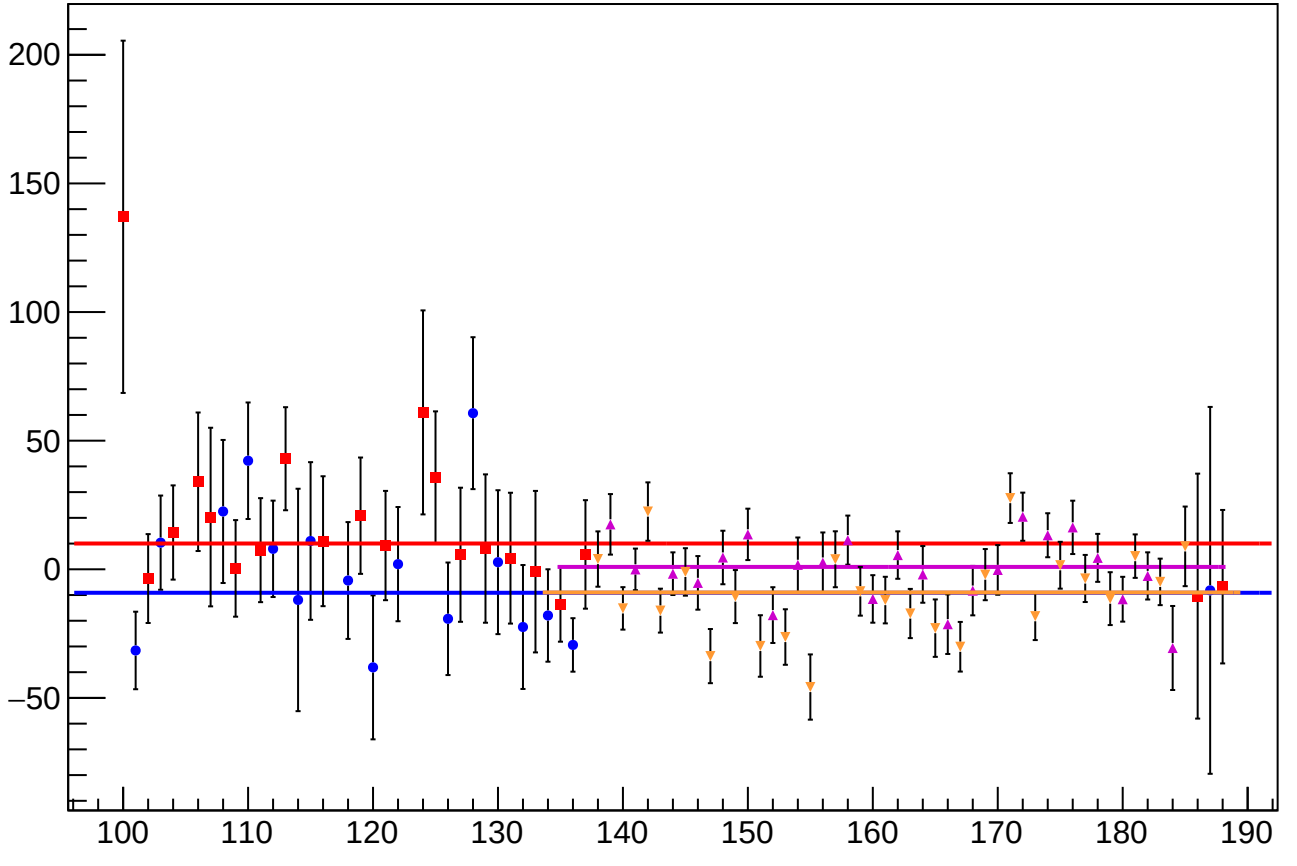
Right: 583.363+/-0.120 χ^2/NDF: 7844841.1/37

In: 470.428+/-0.070 χ^2/NDF:5470055.4/39

Out: 478.093+/-0.068 χ^2/NDF:6276183.3/45

All: 474.340+/-0.049 χ^2/NDF: 11752377.8/85

diff_bpm_4aX_4ecX_avg_mean vs Slug, Sign Corrected



Right In: -9.126+/-5.056 χ^2/NDF: 22.7/16

Left Out: -9.001+/-1.982 χ^2/NDF:61.3/24

Right Out: 10.026+/-5.119 χ^2/NDF: 14.2/20

Left In: 0.925+/-2.056 χ^2/NDF:29.9/22

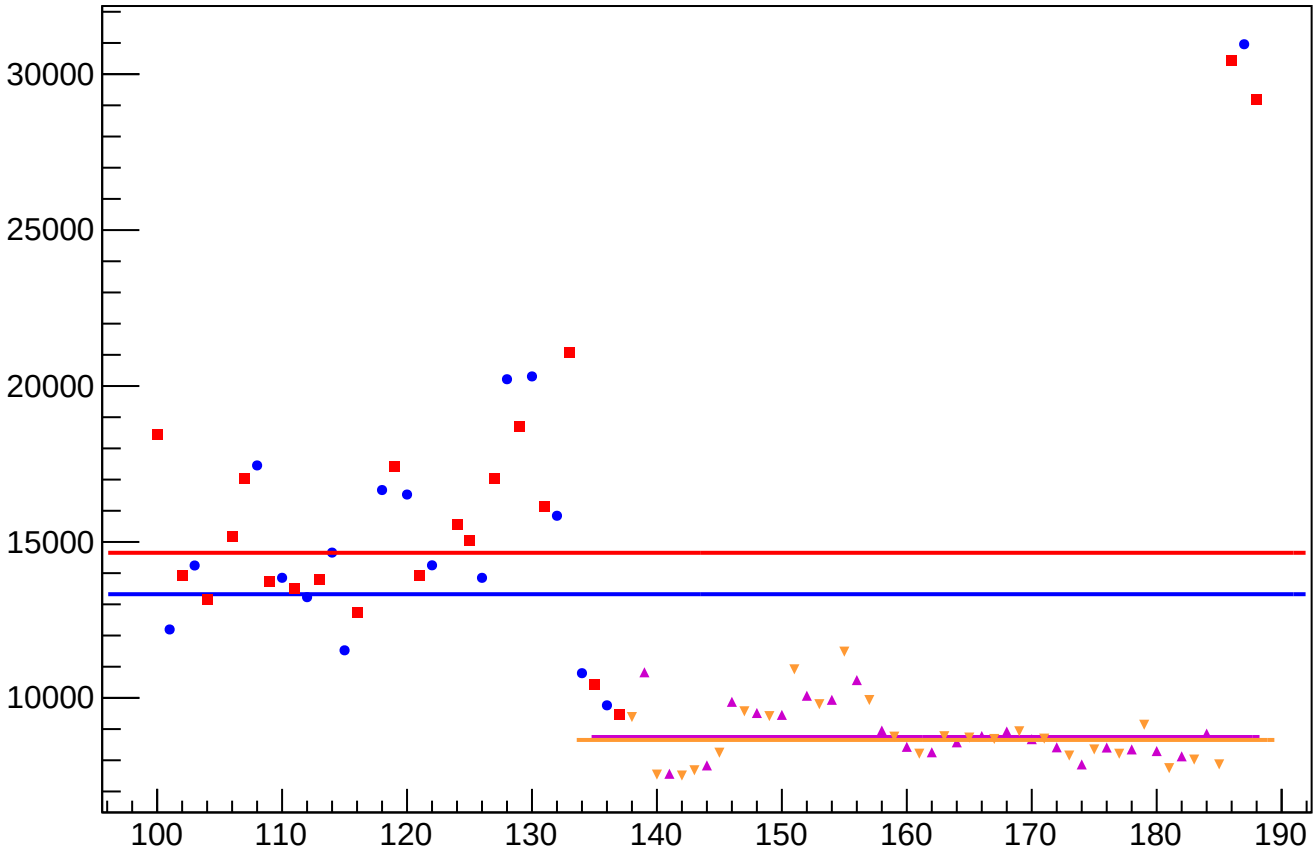
Left: -4.219+/-1.427 χ^2/NDF: 103.2/47

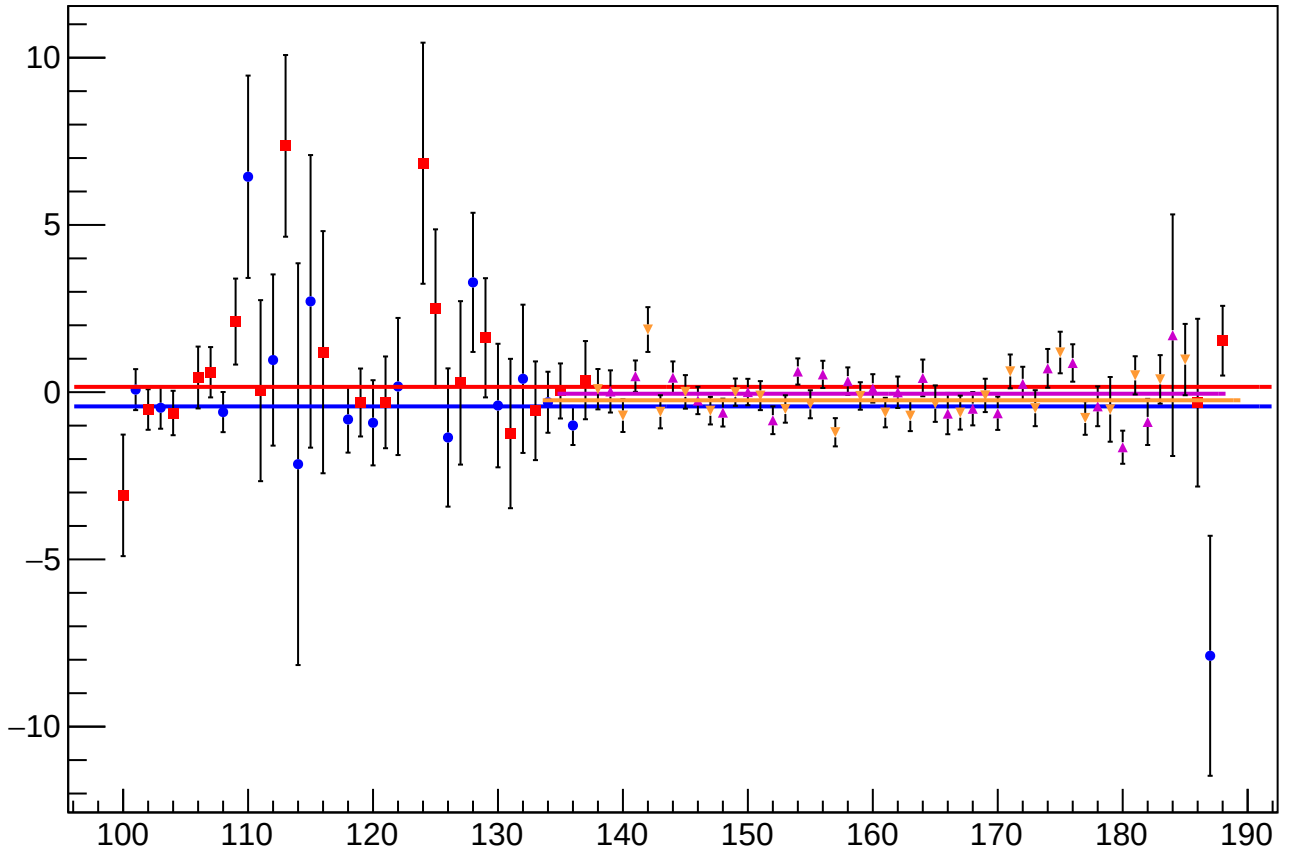
Right: 0.332+/-3.597 χ^2/NDF: 44.1/37

In: -0.500+/-1.904 χ^2/NDF:56.0/39

Out: -6.521+/-1.848 χ^2/NDF:87.5/45

All: -3.601+/-1.326 χ^2/NDF: 148.6/85


diff_bpm_4aX_4ecX_avg_rms vs Slug, Sign Corrected
30000
25000
20000
15000
10000
100
110
120
130
140
150
160
170
180
190
Right In: 13324.942+/-3.575 χ²/NDF: 796808.4/16
Left Out: 8651.872+/-1.401 χ²/NDF:405419.4/24
Right Out: 14652.600+/-3.620 χ²/NDF: 1222787.4/20
Left In: 8746.106+/-1.454 χ²/NDF:331167.0/22
Left: 8697.266+/-1.009 χ²/NDF: 738764.8/47
Right: 13980.602+/-2.544 χ²/NDF: 2087687.7/37
In: 9395.512+/-1.347 χ²/NDF:2535368.8/39
Out: 9433.992+/-1.307 χ²/NDF:4018214.5/45
All: 9415.328+/-0.938 χ²/NDF: 6554003.9/85



Right In: -0.426+/-0.255 χ^2/NDF: 16.0/16

Left Out: -0.242+/-0.100 χ^2/NDF:34.3/24

Right Out: 0.158+/-0.255 χ^2/NDF: 23.6/20

Left In: -0.047+/-0.102 χ^2/NDF:35.1/22

Left: -0.146+/-0.071 χ^2/NDF: 71.2/47

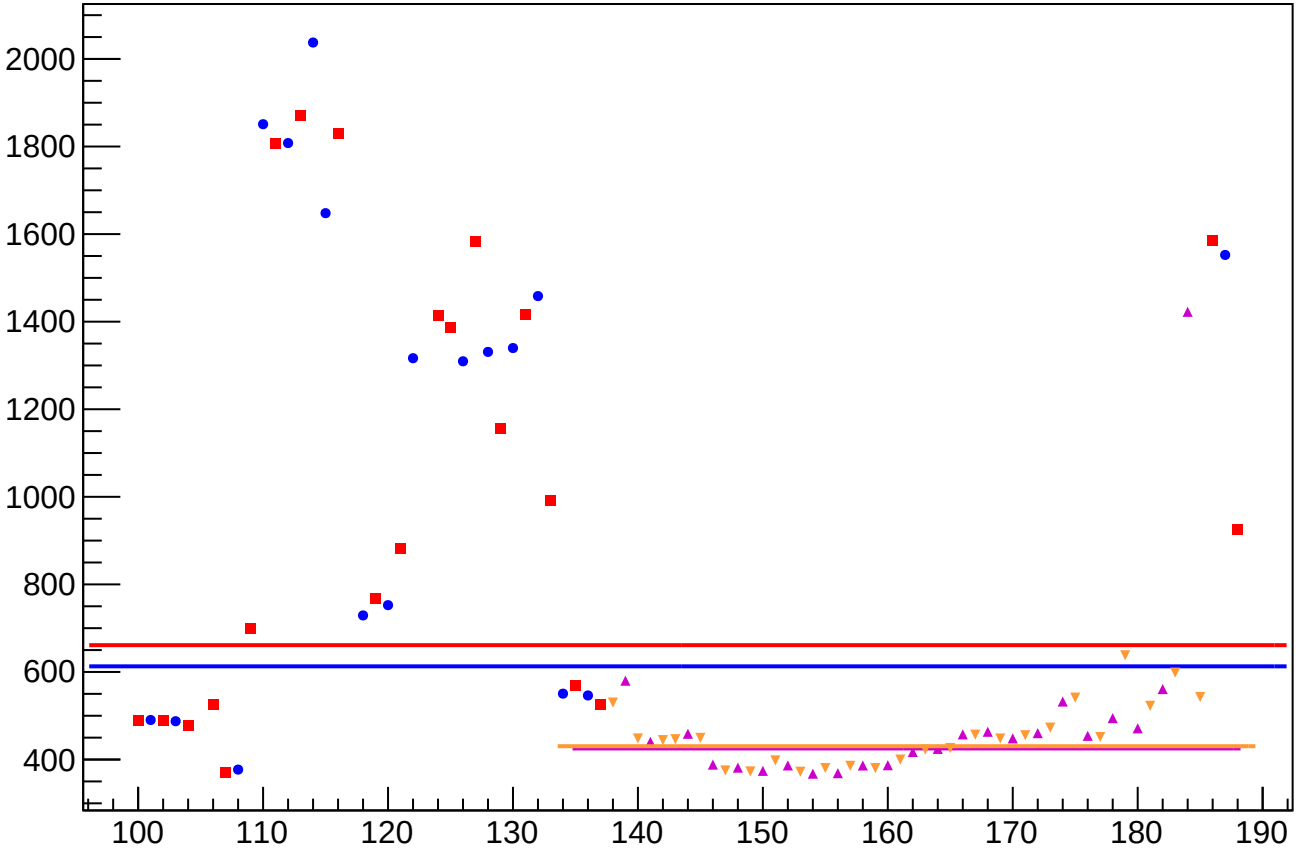
Right: -0.134+/-0.180 χ^2/NDF: 42.2/37

In: -0.099+/-0.094 χ^2/NDF:53.0/39

Out: -0.189+/-0.093 χ^2/NDF:60.0/45

All: -0.144+/-0.066 χ^2/NDF: 113.4/85

diff_bpm_4aX_4ecX_dd_rms vs Slug, Sign Corrected



Right In: 612.834+/-0.180 χ^2/NDF: 2990557.5/16

Left Out: 430.437+/-0.071 χ^2/NDF:648114.1/24

Right Out: 661.209+/-0.180 χ^2/NDF: 3210587.2/20

Left In: 425.312+/-0.072 χ^2/NDF:716953.2/22

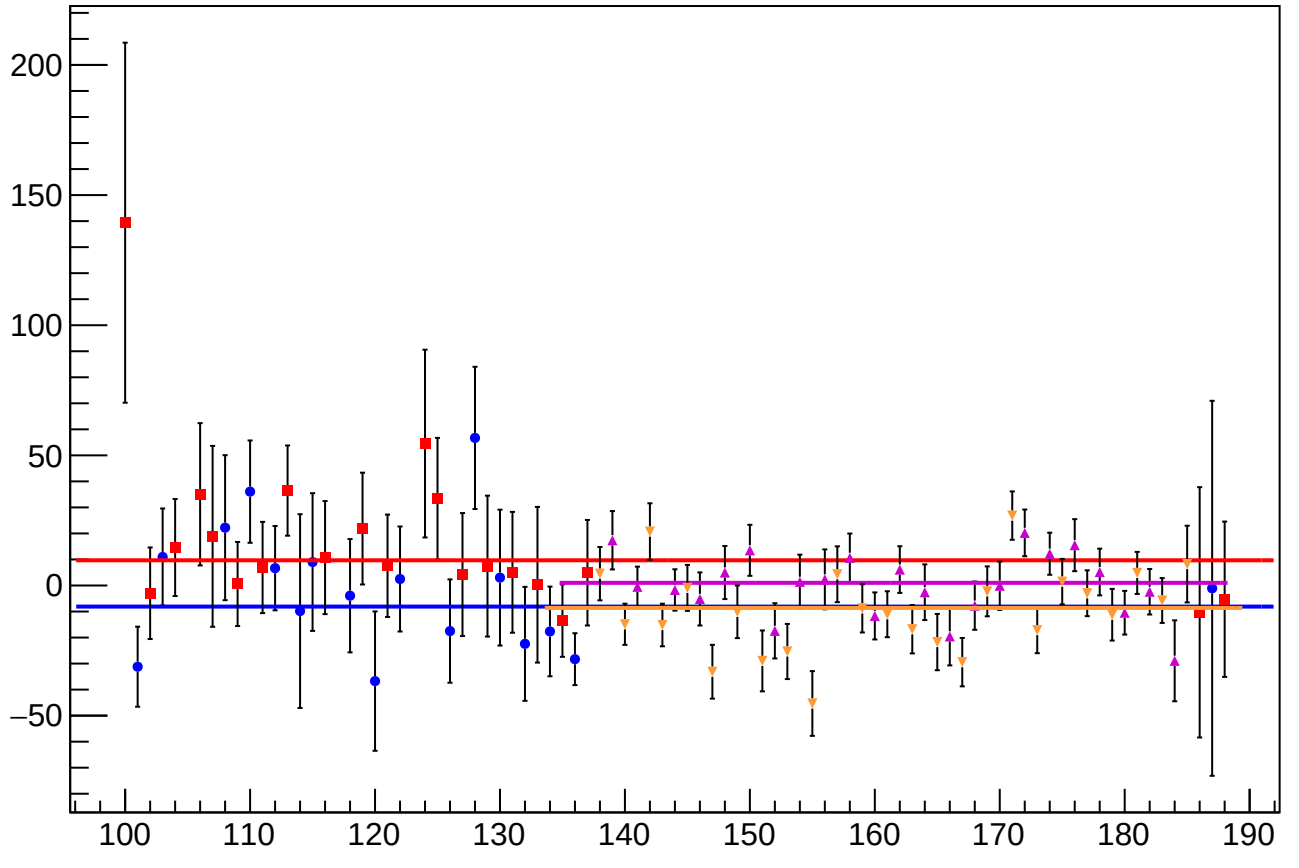
Left: 427.910+/-0.050 χ^2/NDF: 1367648.1/47

Right: 637.021+/-0.128 χ^2/NDF: 6237116.0/37

In: 450.986+/-0.067 χ^2/NDF:4640606.1/39

Out: 461.295+/-0.066 χ^2/NDF:5276975.4/45

All: 456.201+/-0.047 χ^2/NDF: 9929654.6/85



Right In: -8.101+/-4.769 χ^2/NDF: 23.1/16

Left Out: -8.623+/-1.913 χ^2/NDF:61.6/24

Right Out: 9.684+/-4.786 χ^2/NDF: 14.1/20

Left In: 1.027+/-1.987 χ^2/NDF:29.8/22

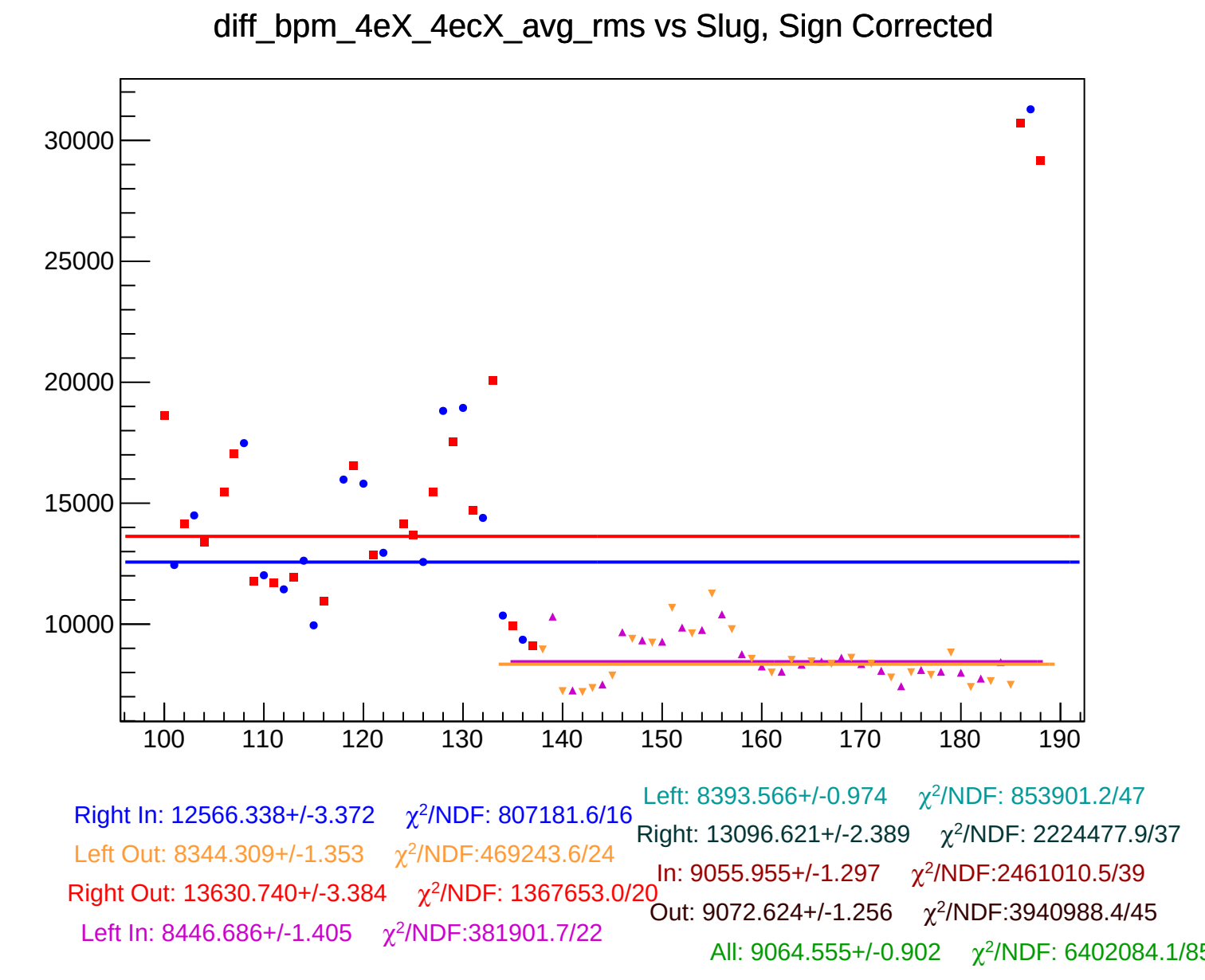
Left: -3.980+/-1.378 χ^2/NDF: 103.6/47

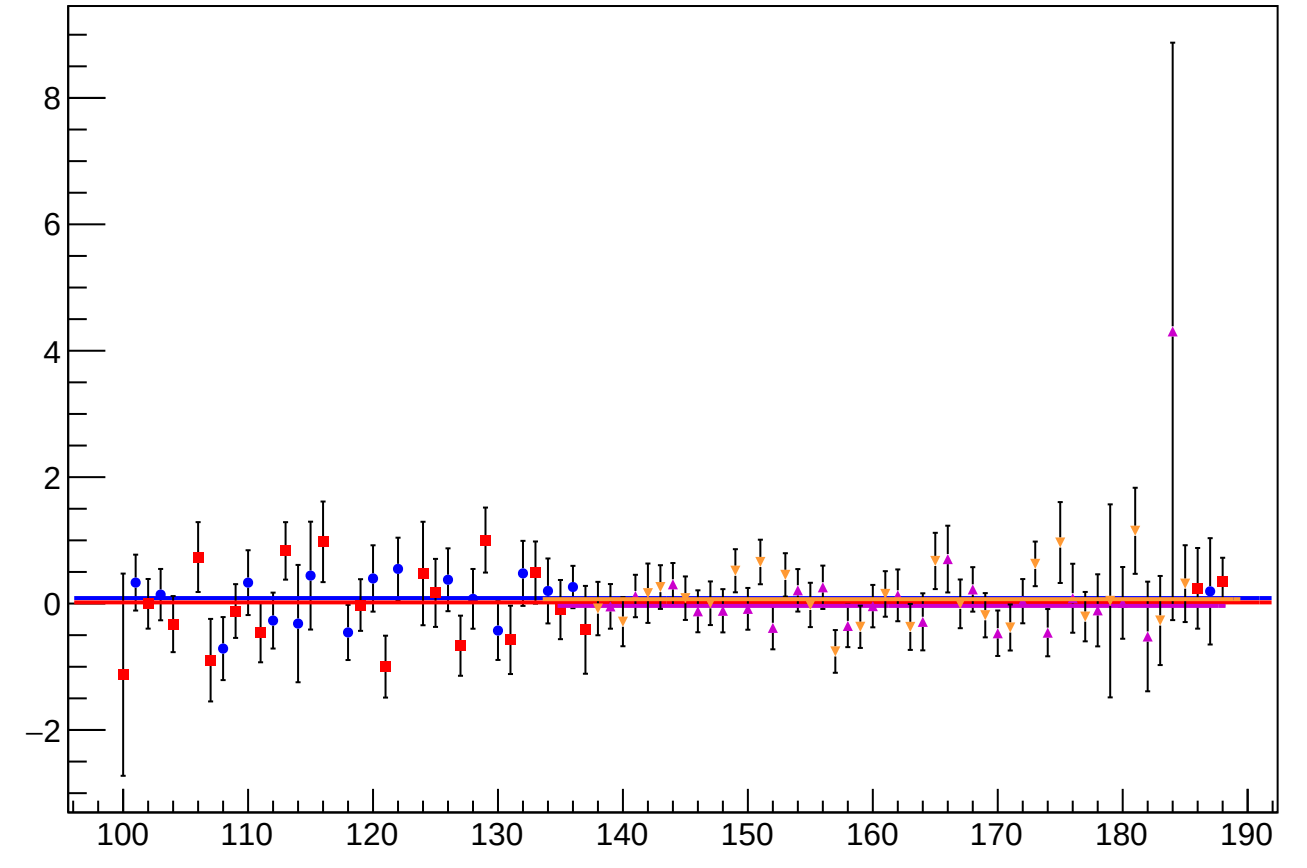
Right: 0.759+/-3.378 χ^2/NDF: 44.2/37

In: -0.323+/-1.834 χ^2/NDF:56.0/39

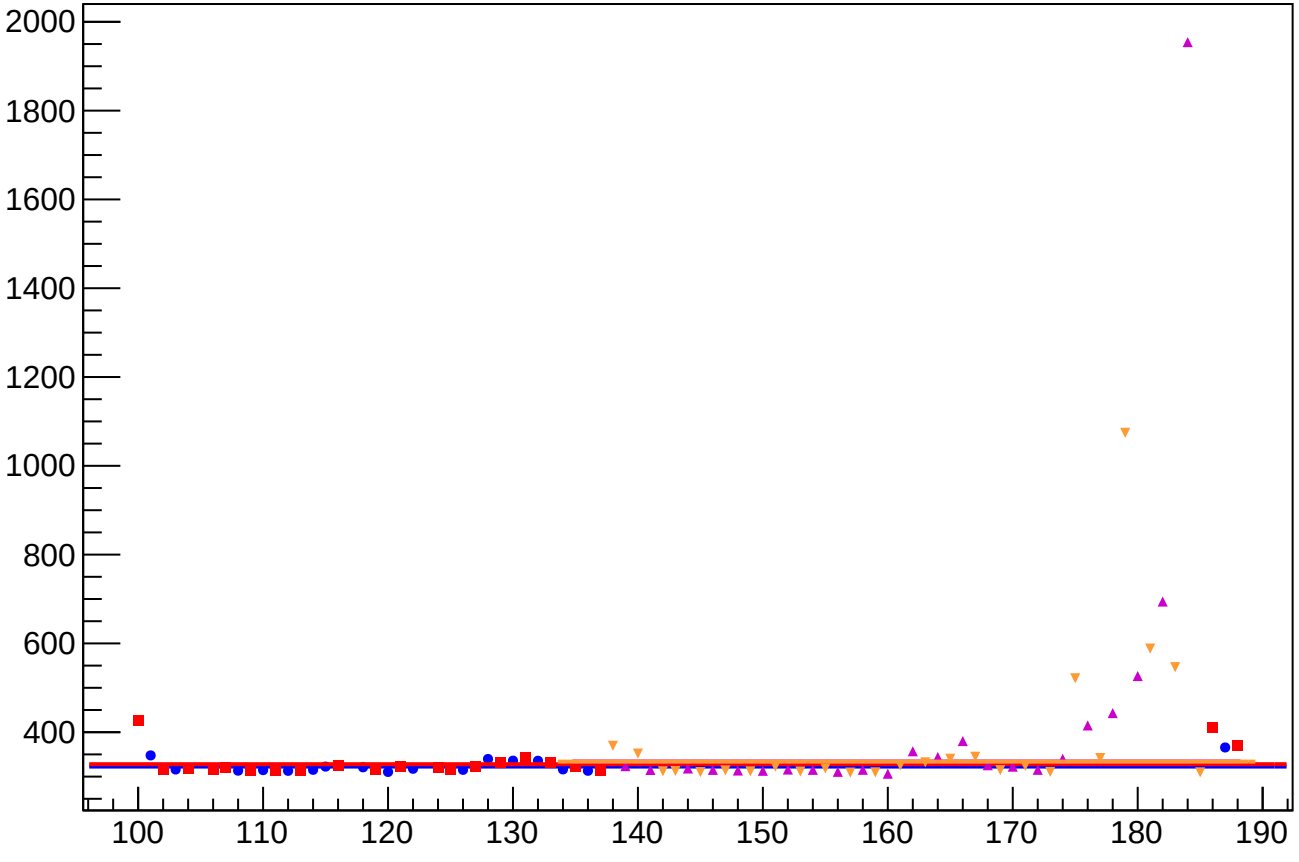
Out: -6.101+/-1.776 χ^2/NDF:88.4/45

All: -3.304+/-1.276 χ^2/NDF: 149.5/85


diff_bpm_4eX_4ecX_avg_rms vs Slug, Sign Corrected
30000
25000
20000
15000
10000
100
110
120
130
140
150
160
170
180
190
Right In: 12566.338+/-3.372 χ²/NDF: 807181.6/16
Left Out: 8344.309+/-1.353 χ²/NDF:469243.6/24
Right Out: 13630.740+/-3.384 χ²/NDF: 1367653.0/20
Left In: 8446.686+/-1.405 χ²/NDF:381901.7/22
Left: 8393.566+/-0.974 χ²/NDF: 853901.2/47
Right: 13096.621+/-2.389 χ²/NDF: 2224477.9/37
In: 9055.955+/-1.297 χ²/NDF:2461010.5/39
Out: 9072.624+/-1.256 χ²/NDF:3940988.4/45
All: 9064.555+/-0.902 χ²/NDF: 6402084.1/85


diff_bpm_4eX_4ecX_dd_mean vs Slug, Sign Corrected
8
6
4
2
0
−2
100
110
120
130
140
150
160
170
180
190
Right In: 0.087+/-0.119 χ²/NDF: 9.4/16
Left Out: 0.069+/-0.079 χ²/NDF:28.2/24
Right Out: 0.018+/-0.111 χ²/NDF: 25.3/20
Left In: -0.037+/-0.081 χ²/NDF:11.7/22
Left: 0.017+/-0.057 χ²/NDF: 40.8/47
Right: 0.050+/-0.081 χ²/NDF: 34.8/37
In: 0.002+/-0.067 χ²/NDF:21.8/39
Out: 0.052+/-0.064 χ²/NDF:53.6/45
All: 0.028+/-0.046 χ²/NDF: 75.7/85

diff_bpm_4eX_4ecX_dd_rms vs Slug, Sign Corrected



Right In: 322.605+/-0.084 χ^2/NDF: 23551.2/16

Left Out: 333.783+/-0.056 χ^2/NDF:1217257.0/24

Right Out: 327.978+/-0.078 χ^2/NDF: 81776.7/20

Left In: 333.979+/-0.057 χ^2/NDF:1050984.2/22

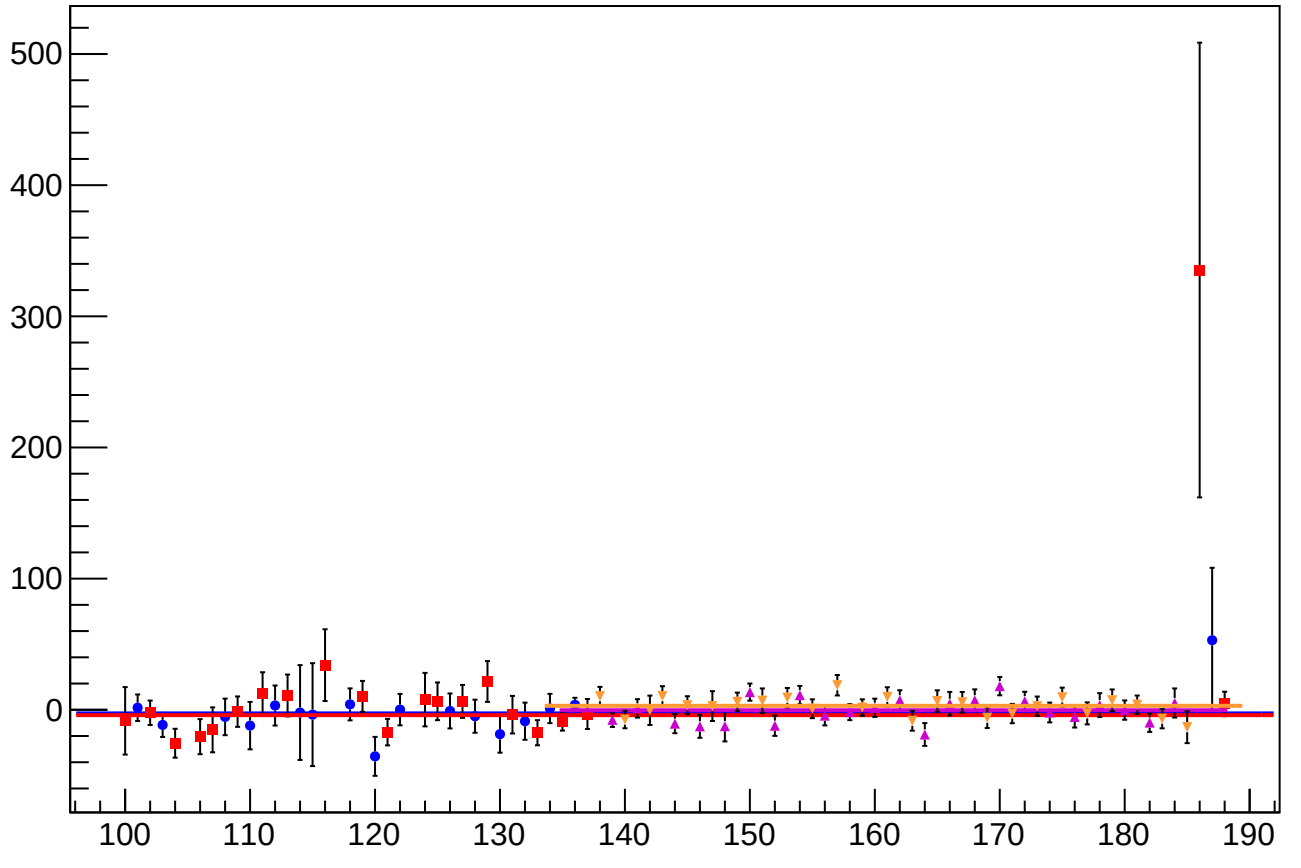
Left: 333.879+/-0.040 χ^2/NDF: 2268247.2/47

Right: 325.489+/-0.057 χ^2/NDF: 107518.1/37

In: 330.381+/-0.047 χ^2/NDF:1087038.1/39

Out: 331.818+/-0.045 χ^2/NDF:1302685.1/45

All: 331.128+/-0.033 χ^2/NDF: 2390202.7/85



Right In: -2.767+/-2.906 χ^2/NDF: 10.9/16

Left Out: 3.023+/-1.542 χ^2/NDF:20.3/24

Right Out: -4.092+/-2.702 χ^2/NDF: 24.2/20

Left In: -0.351+/-1.568 χ^2/NDF:33.8/22

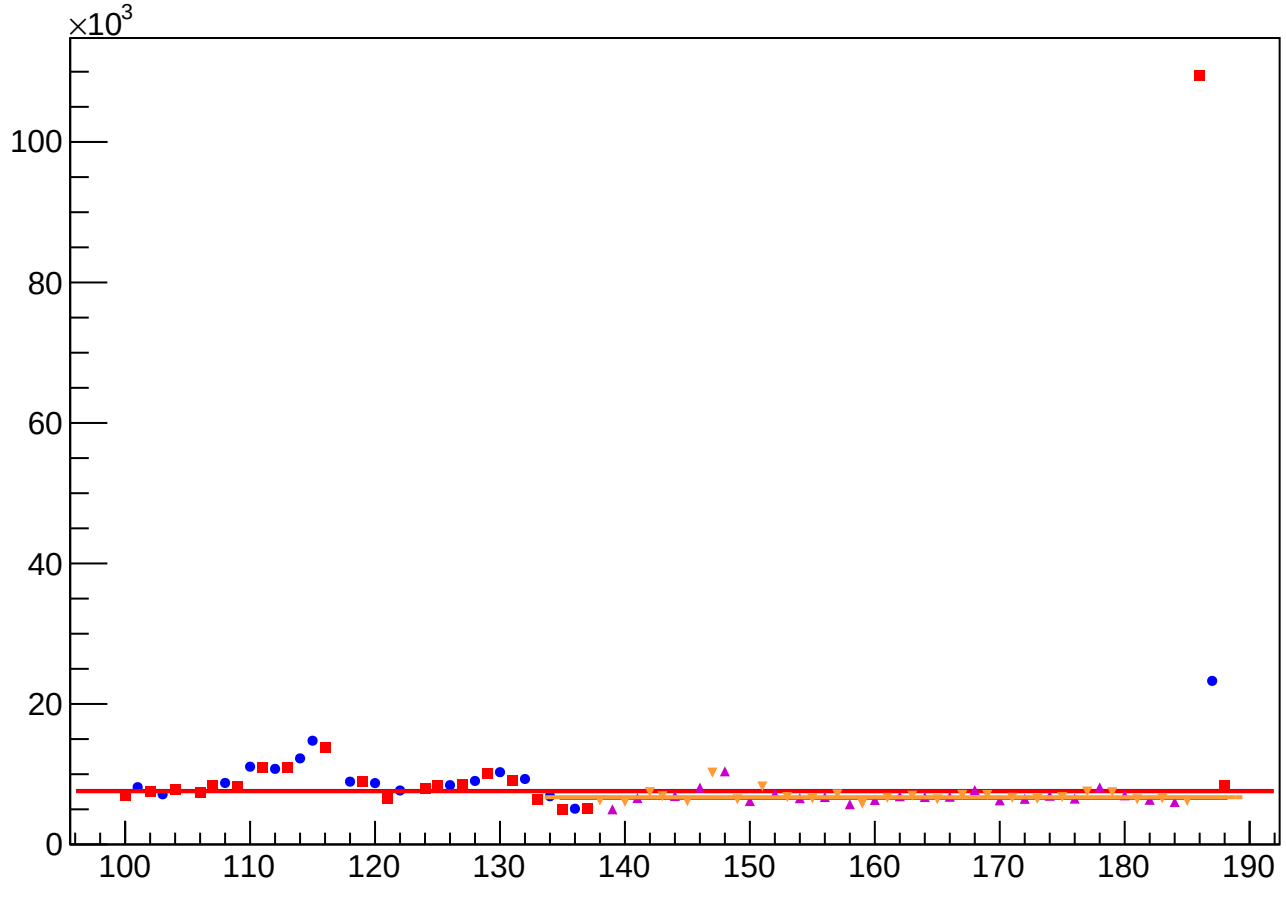
Left: 1.365+/-1.099 χ^2/NDF: 56.5/47

Right: -3.477+/-1.979 χ^2/NDF: 35.2/37

In: -0.896+/-1.380 χ^2/NDF:45.2/39

Out: 1.276+/-1.339 χ^2/NDF:49.7/45

All: 0.223+/-0.961 χ^2/NDF: 96.2/85



Right In: 7616.716+/-2.055 χ^2/NDF: 1059158.2/16

Left Out: 6722.984+/-1.090 χ^2/NDF:403317.7/24

Right Out: 7571.714+/-1.911 χ^2/NDF: 1537966.2/20

Left In: 6632.723+/-1.109 χ^2/NDF:629490.9/22

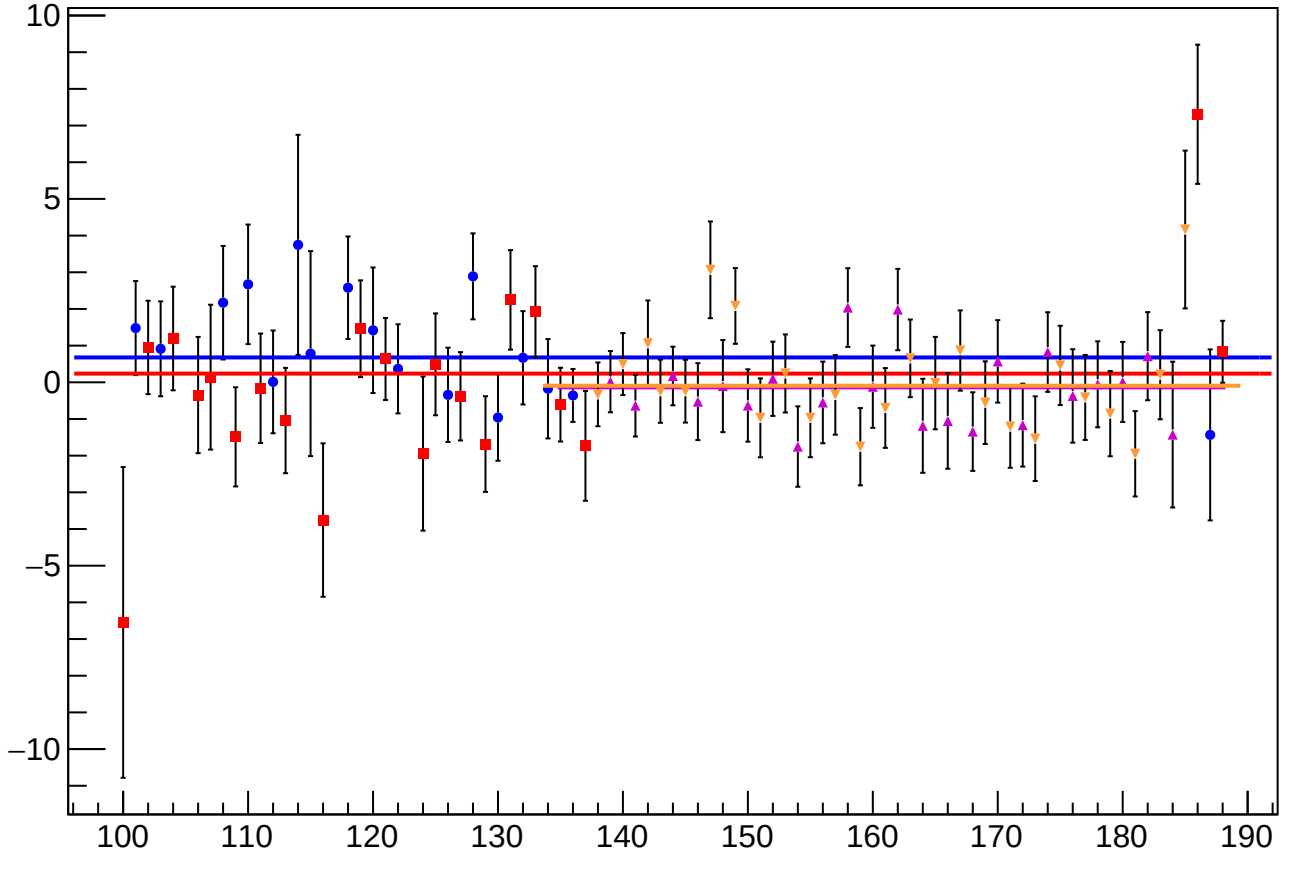
Left: 6678.628+/-0.777 χ^2/NDF: 1036177.6/47

Right: 7592.582+/-1.399 χ^2/NDF: 2597381.6/37

In: 6854.645+/-0.976 χ^2/NDF:1866208.9/39

Out: 6931.363+/-0.947 χ^2/NDF:2090114.5/45

All: 6894.163+/-0.680 χ^2/NDF: 3959506.5/85



Right In: 0.678+/-0.323 χ^2/NDF: 15.6/16

Left Out: -0.095+/-0.215 χ^2/NDF:27.3/24

Right Out: 0.237+/-0.298 χ^2/NDF: 35.0/20

Left In: -0.138+/-0.225 χ^2/NDF:16.5/22

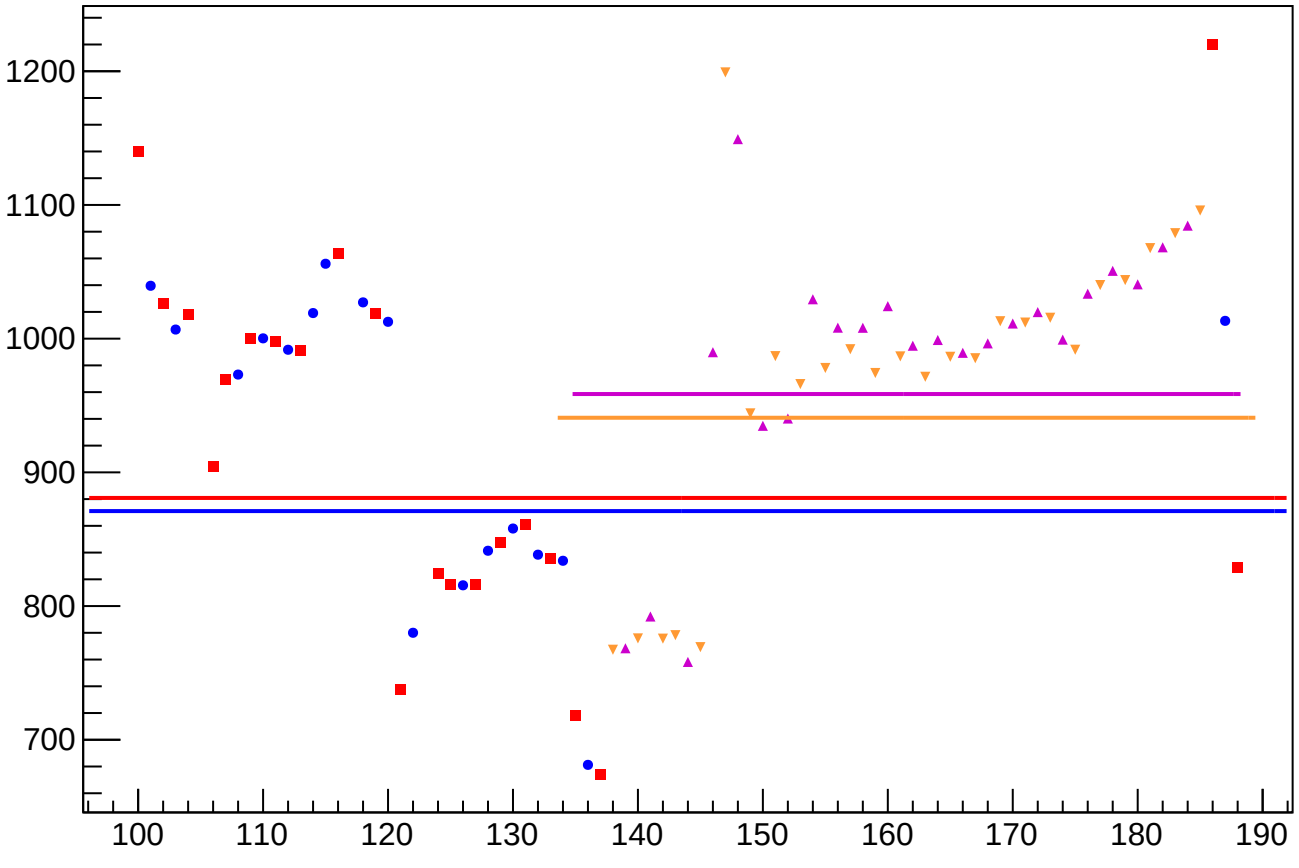
Left: -0.115+/-0.156 χ^2/NDF: 43.8/47

Right: 0.440+/-0.219 χ^2/NDF: 51.6/37

In: 0.129+/-0.185 χ^2/NDF:36.4/39

Out: 0.019+/-0.175 χ^2/NDF:63.2/45

All: 0.071+/-0.127 χ^2/NDF: 99.7/85



Right In: 871.033+/-0.228 χ^2/NDF: 310003.2/16

Left Out: 940.844+/-0.152 χ^2/NDF:568776.0/24

Right Out: 880.868+/-0.211 χ^2/NDF: 344119.7/20

Left In: 958.578+/-0.159 χ^2/NDF:456824.8/22

Left: 949.310+/-0.110 χ^2/NDF: 1032074.6/47

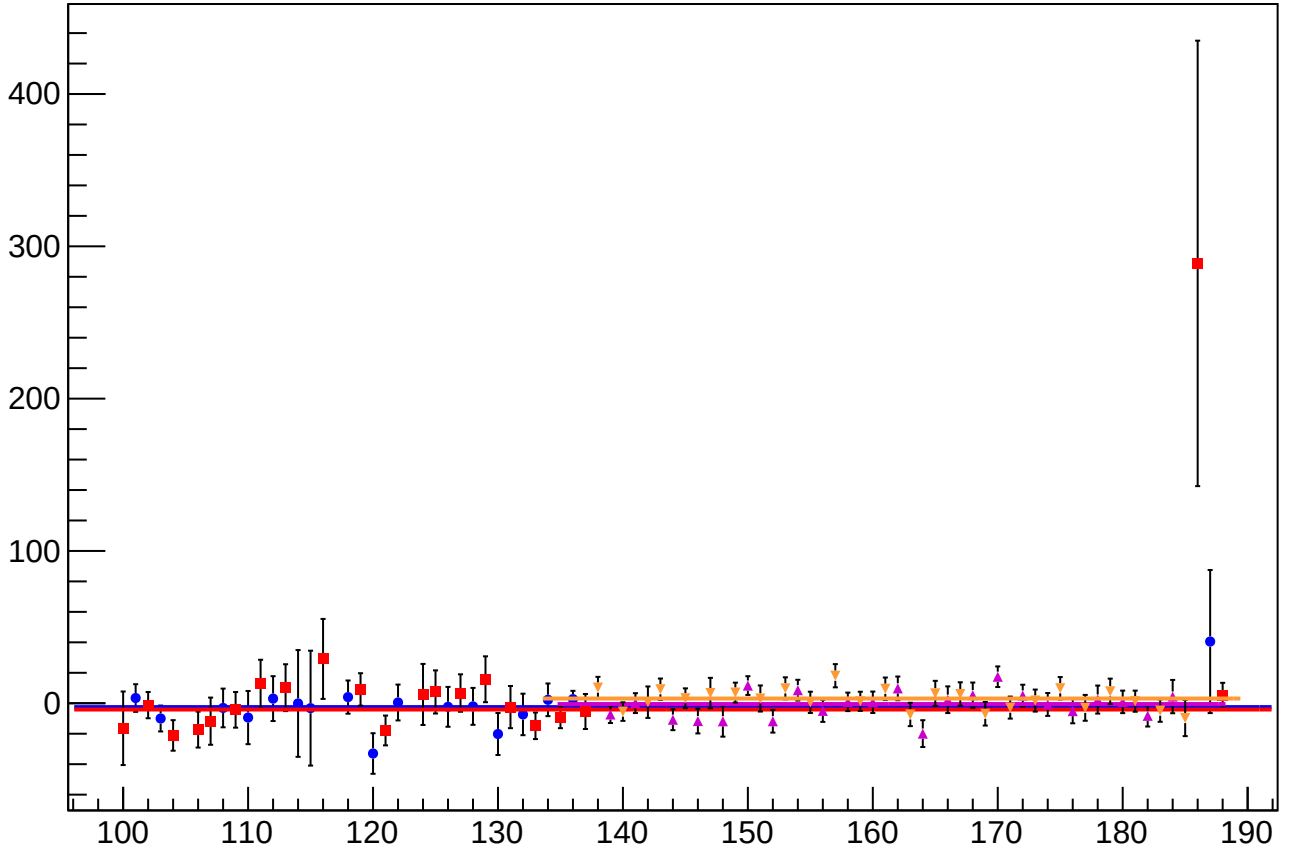
Right: 876.338+/-0.155 χ^2/NDF: 655124.5/37

In: 929.892+/-0.131 χ^2/NDF:865741.0/39

Out: 920.287+/-0.123 χ^2/NDF:966054.6/45

All: 924.818+/-0.090 χ^2/NDF: 1834650.7/85

diff_bpm_4aY_4eY_avg_mean vs Slug, Sign Corrected



Right In: -2.532+/-2.783 χ^2/NDF: 10.9/16

Left Out: 3.099+/-1.500 χ^2/NDF:18.6/24

Right Out: -4.107+/-2.564 χ^2/NDF: 22.6/20

Left In: -0.519+/-1.535 χ^2/NDF:32.0/22

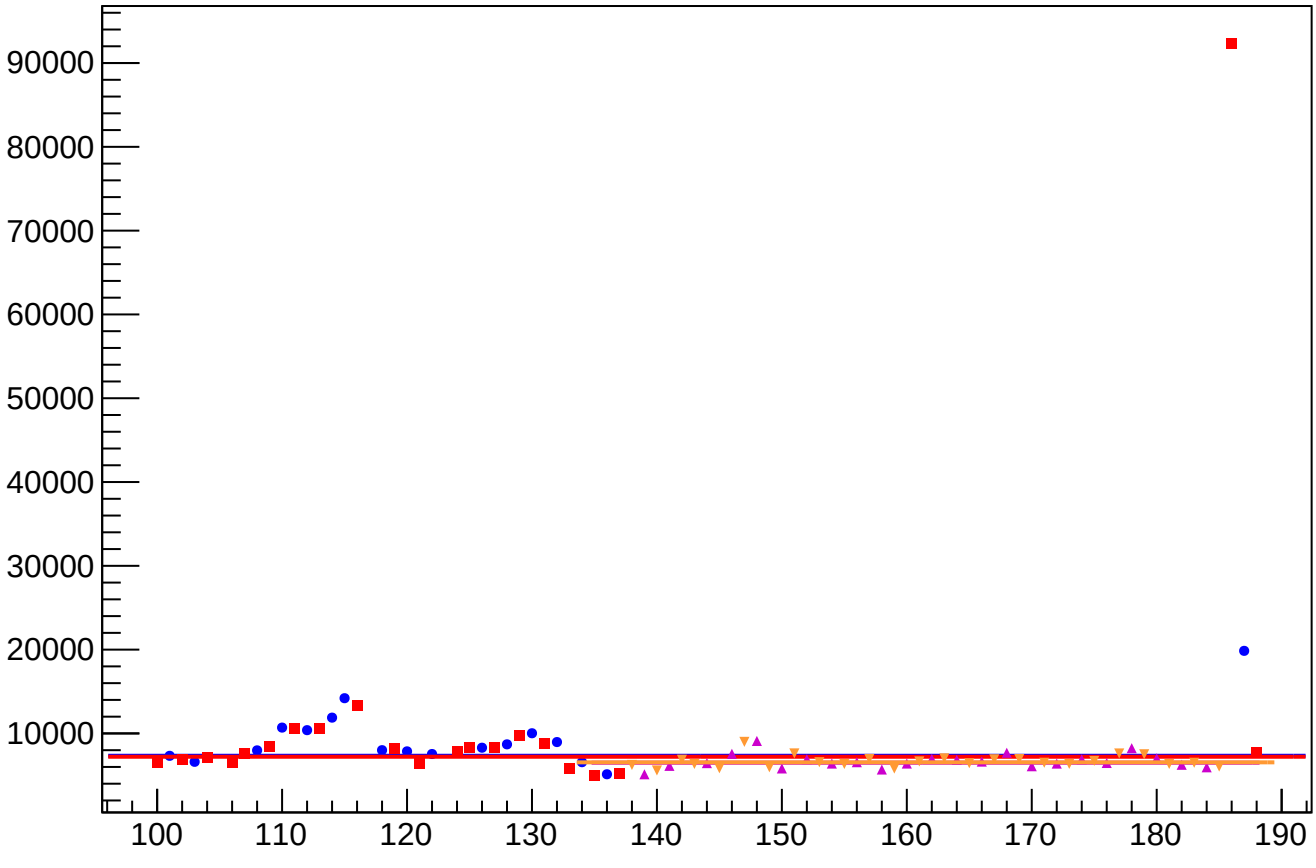
Left: 1.331+/-1.073 χ^2/NDF: 53.4/47

Right: -3.384+/-1.886 χ^2/NDF: 33.7/37

In: -0.988+/-1.344 χ^2/NDF:43.3/39

Out: 1.261+/-1.295 χ^2/NDF:47.1/45

All: 0.178+/-0.932 χ^2/NDF: 91.8/85



Right In: 7334.351+/-1.968 χ^2/NDF: 913076.2/16

Left Out: 6548.897+/-1.061 χ^2/NDF:366072.4/24

Right Out: 7217.596+/-1.813 χ^2/NDF: 1480123.9/20

Left In: 6505.057+/-1.085 χ^2/NDF:515496.8/22

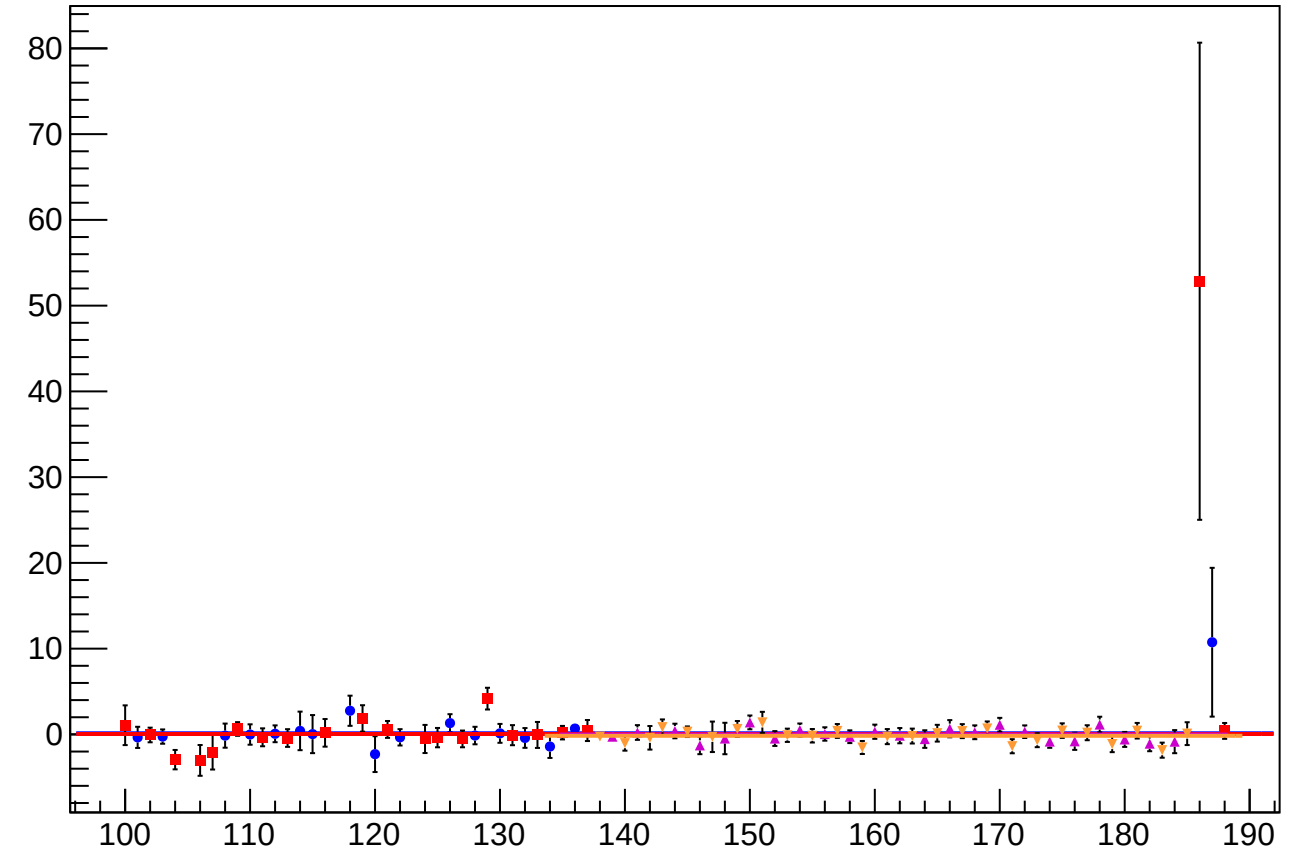
Left: 6527.477+/-0.759 χ^2/NDF: 882403.7/47

Right: 7271.185+/-1.333 χ^2/NDF: 2395104.0/37

In: 6698.437+/-0.950 χ^2/NDF:1564723.8/39

Out: 6719.480+/-0.916 χ^2/NDF:1947560.5/45

All: 6709.351+/-0.659 χ^2/NDF: 3512538.6/85



Right In: 0.128+/-0.273 χ^2/NDF: 9.6/16

Left Out: -0.162+/-0.172 χ^2/NDF:19.0/24

Right Out: 0.046+/-0.253 χ^2/NDF: 28.9/20

Left In: -0.017+/-0.169 χ^2/NDF:15.2/22

Left: -0.089+/-0.121 χ^2/NDF: 34.6/47

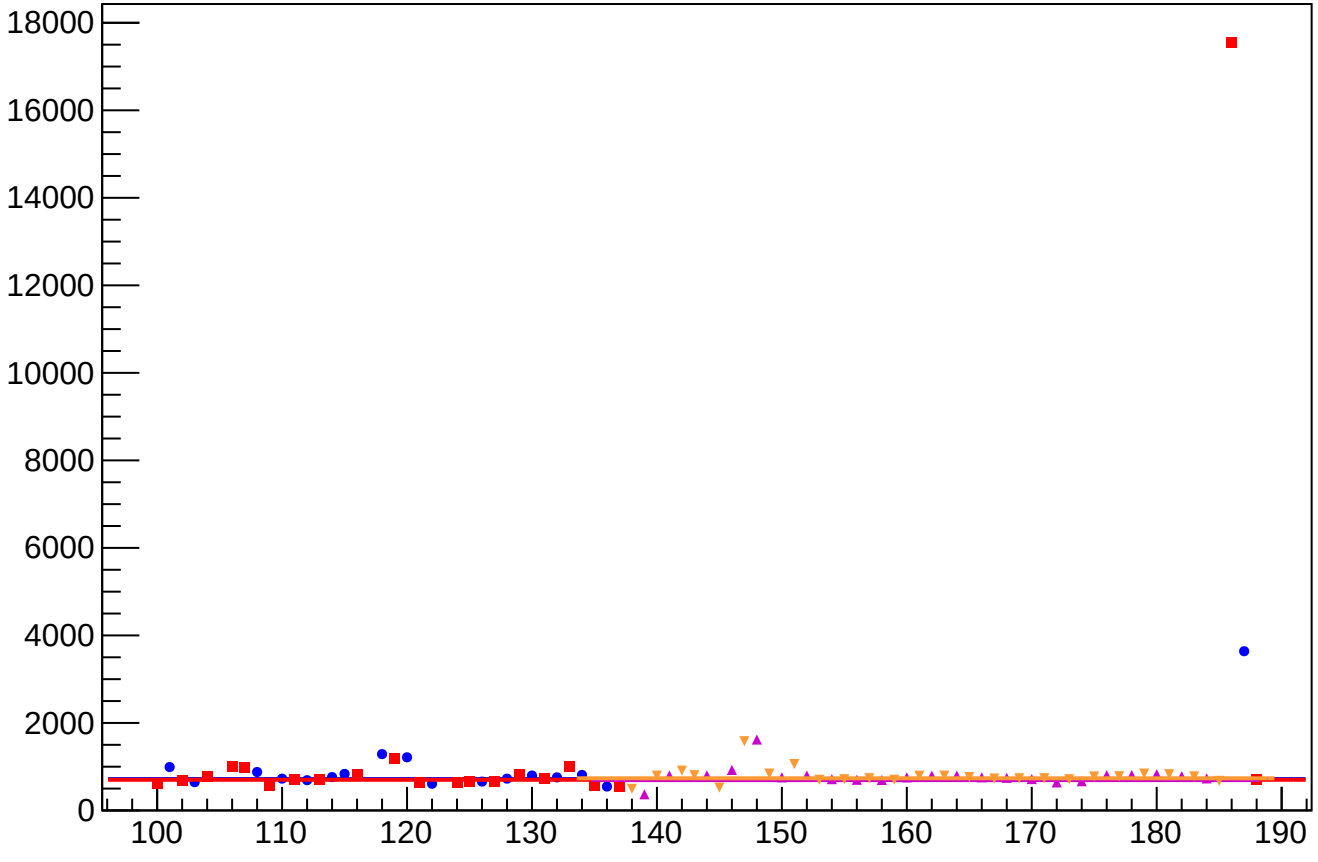
Right: 0.084+/-0.186 χ^2/NDF: 38.6/37

In: 0.023+/-0.144 χ^2/NDF:25.1/39

Out: -0.096+/-0.142 χ^2/NDF:48.4/45

All: -0.037+/-0.101 χ^2/NDF: 73.8/85

diff_bpm_4aY_4eY_dd_rms vs Slug, Sign Corrected



Right In: 716.524+/-0.193 χ^2/NDF: 926400.7/16

Left Out: 734.984+/-0.122 χ^2/NDF:1339748.9/24

Right Out: 701.635+/-0.179 χ^2/NDF: 1309455.5/20

Left In: 694.150+/-0.120 χ^2/NDF:2225094.5/22

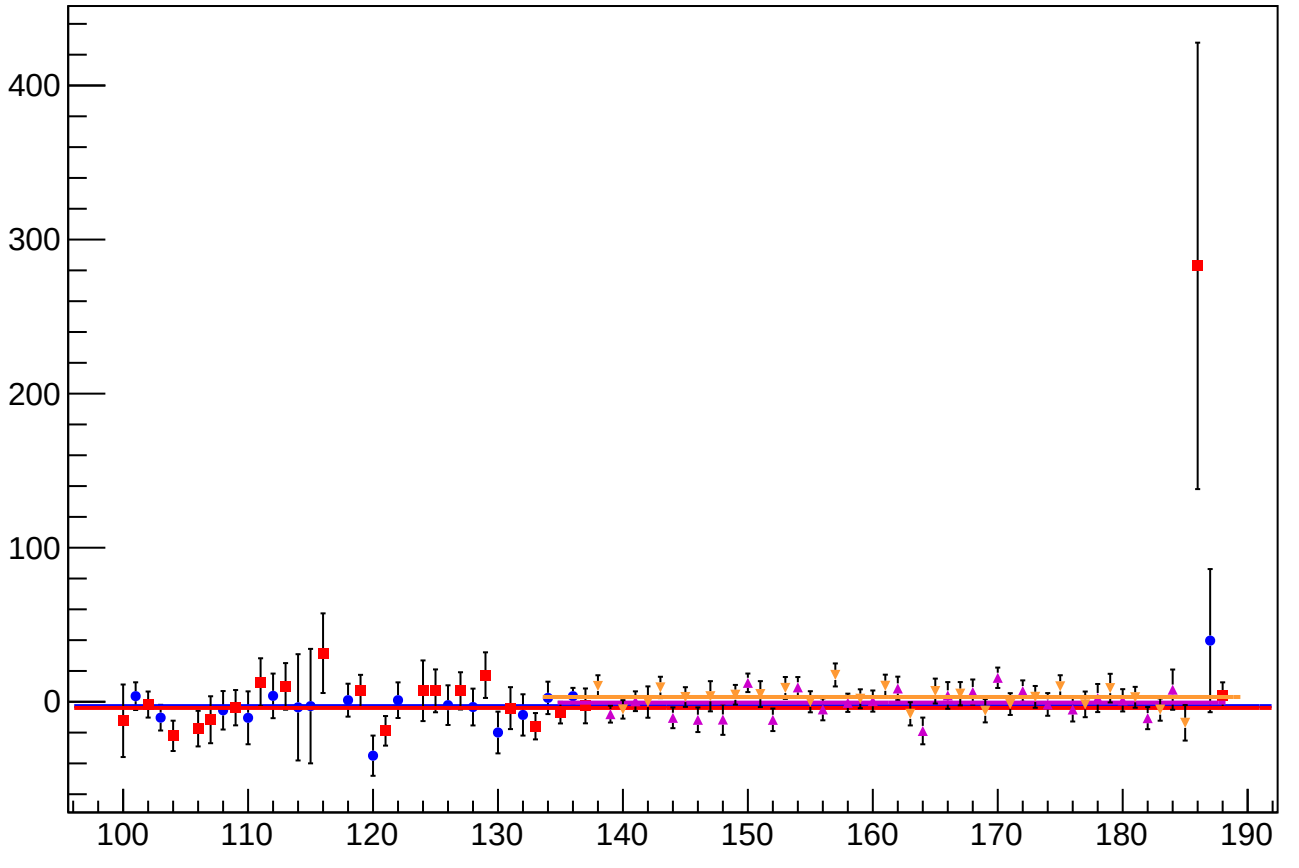
Left: 714.202+/-0.085 χ^2/NDF: 3622132.3/47

Right: 708.518+/-0.131 χ^2/NDF: 2239054.4/37

In: 700.352+/-0.102 χ^2/NDF:3161203.0/39

Out: 724.441+/-0.101 χ^2/NDF:2672940.3/45

All: 712.515+/-0.072 χ^2/NDF: 5862505.4/85



Right In: -2.825+/-2.741 χ^2/NDF: 12.4/16

Left Out: 3.111+/-1.476 χ^2/NDF:18.7/24

Right Out: -3.997+/-2.526 χ^2/NDF: 23.5/20

Left In: -0.550+/-1.512 χ^2/NDF:33.6/22

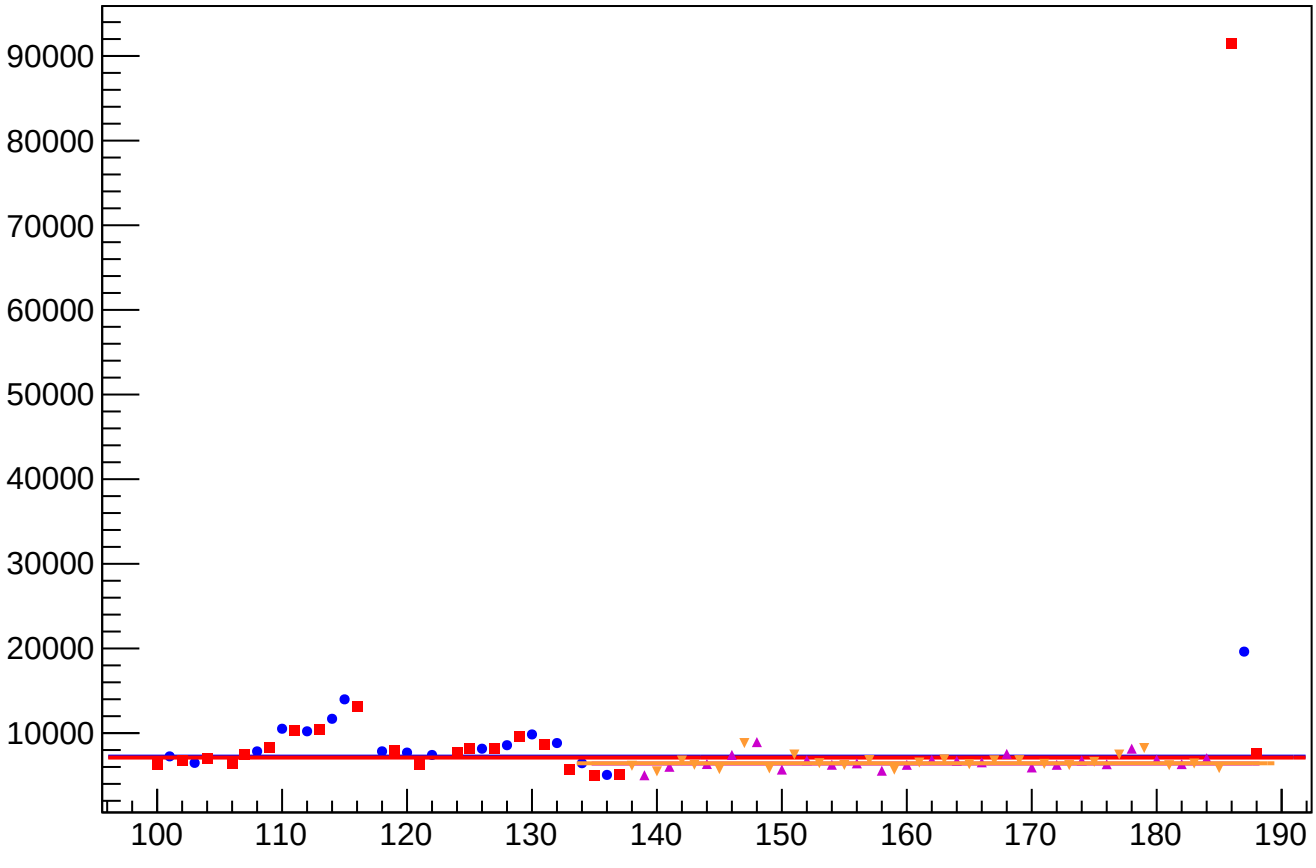
Left: 1.325+/-1.056 χ^2/NDF: 55.3/47

Right: -3.459+/-1.857 χ^2/NDF: 36.1/37

In: -1.081+/-1.324 χ^2/NDF:46.5/39

Out: 1.301+/-1.274 χ^2/NDF:48.2/45

All: 0.156+/-0.918 χ^2/NDF: 96.4/85



Right In: 7222.270+/-1.938 χ^2/NDF: 905049.0/16

Left Out: 6435.363+/-1.044 χ^2/NDF:417318.3/24

Right Out: 7110.985+/-1.786 χ^2/NDF: 1452827.5/20

Left In: 6405.229+/-1.069 χ^2/NDF:525079.4/22

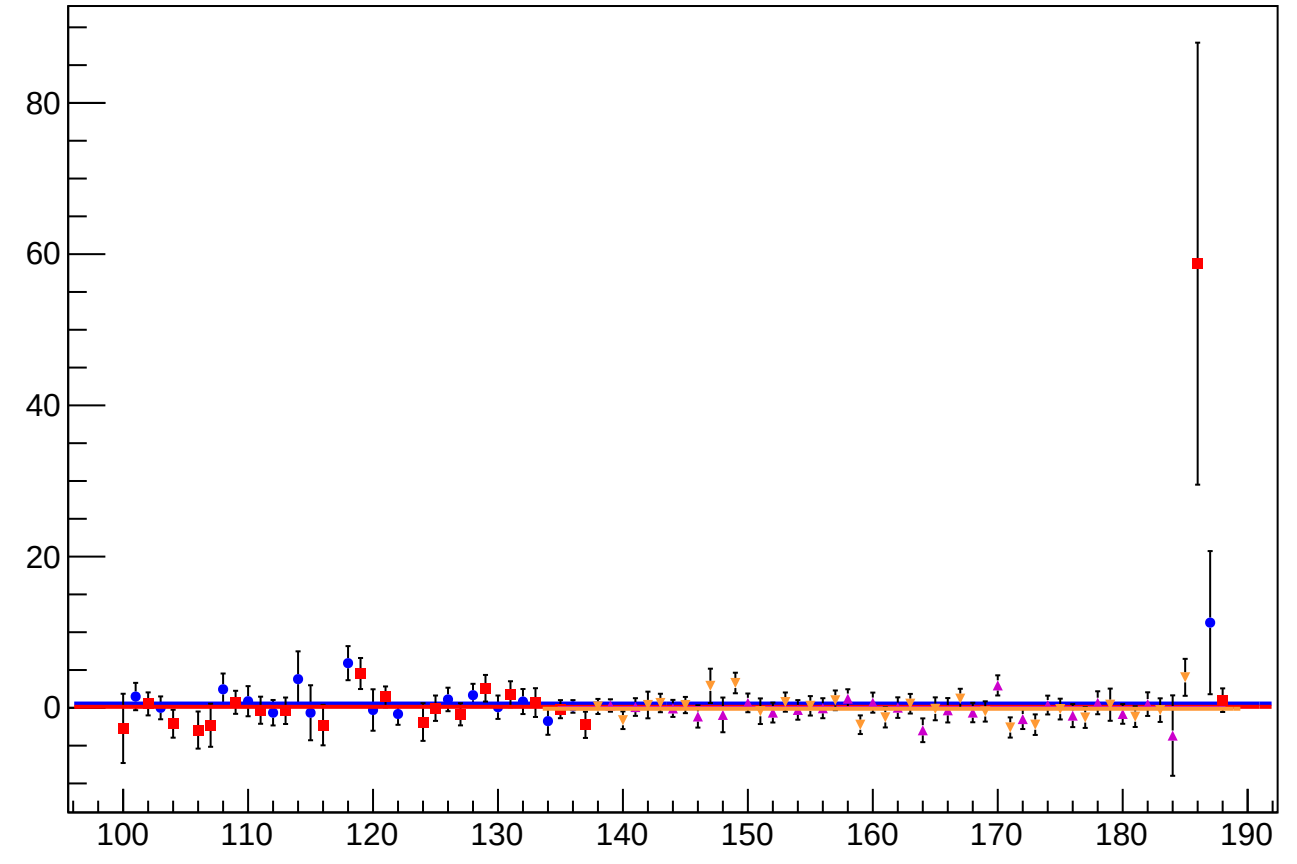
Left: 6420.661+/-0.747 χ^2/NDF: 942804.2/47

Right: 7162.080+/-1.313 χ^2/NDF: 2359659.3/37

In: 6595.898+/-0.936 χ^2/NDF:1566336.8/39

Out: 6607.401+/-0.901 χ^2/NDF:1976818.3/45

All: 6601.870+/-0.649 χ^2/NDF: 3543233.4/85



Right In: 0.567+/-0.410 χ^2/NDF: 13.2/16

Left Out: -0.122+/-0.273 χ^2/NDF:27.0/24

Right Out: 0.131+/-0.395 χ^2/NDF: 21.2/20

Left In: -0.029+/-0.279 χ^2/NDF:14.4/22

Left: -0.077+/-0.195 χ^2/NDF: 41.5/47

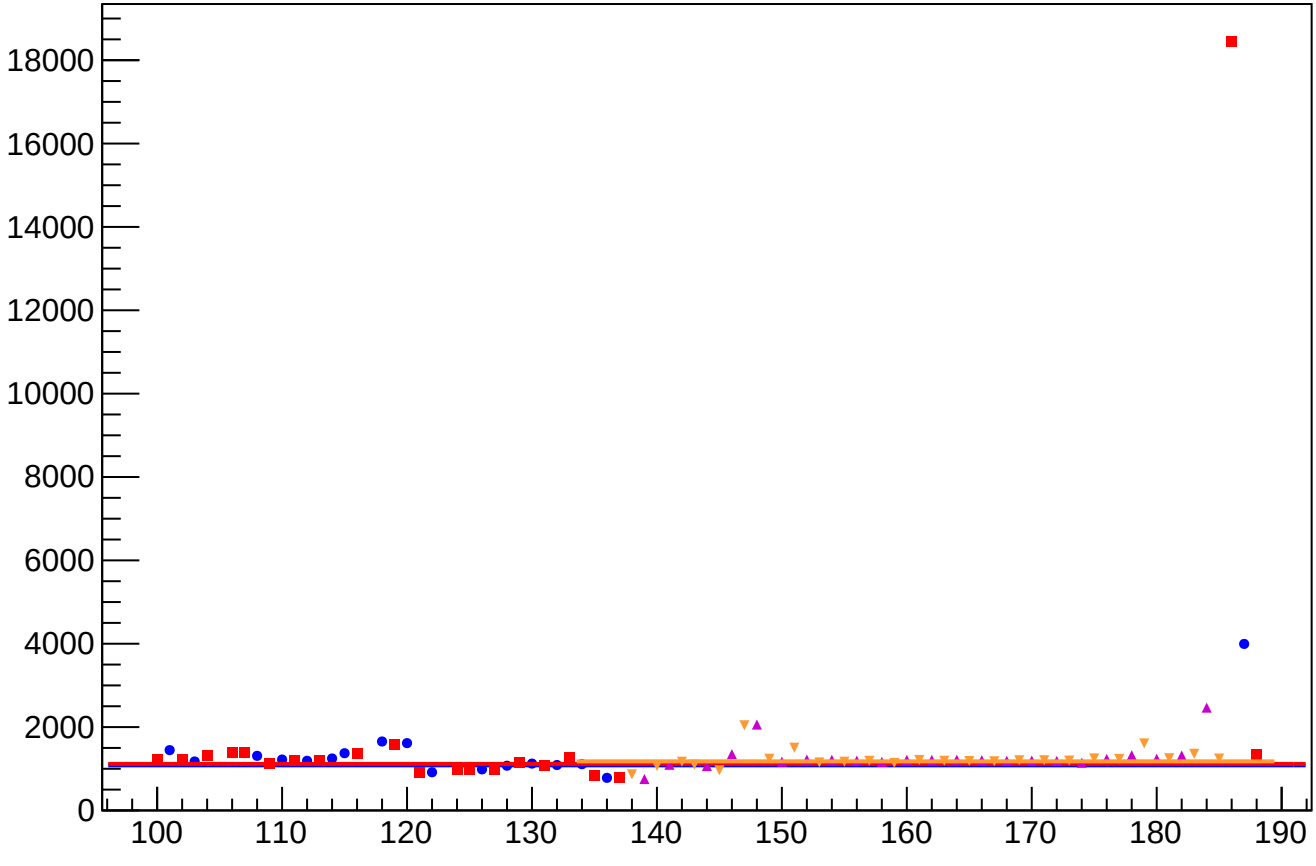
Right: 0.341+/-0.285 χ^2/NDF: 35.0/37

In: 0.159+/-0.231 χ^2/NDF:29.1/39

Out: -0.040+/-0.225 χ^2/NDF:48.5/45

All: 0.057+/-0.161 χ^2/NDF: 78.0/85

diff_bpm_4aY_4ecY_dd_rms vs Slug, Sign Corrected



Right In: 1082.793+/-0.290 χ^2/NDF: 836209.2/16

Left Out: 1177.742+/-0.193 χ^2/NDF:800899.0/24

Right Out: 1116.641+/-0.280 χ^2/NDF: 1237099.3/20

Left In: 1163.827+/-0.197 χ^2/NDF:1052206.0/22

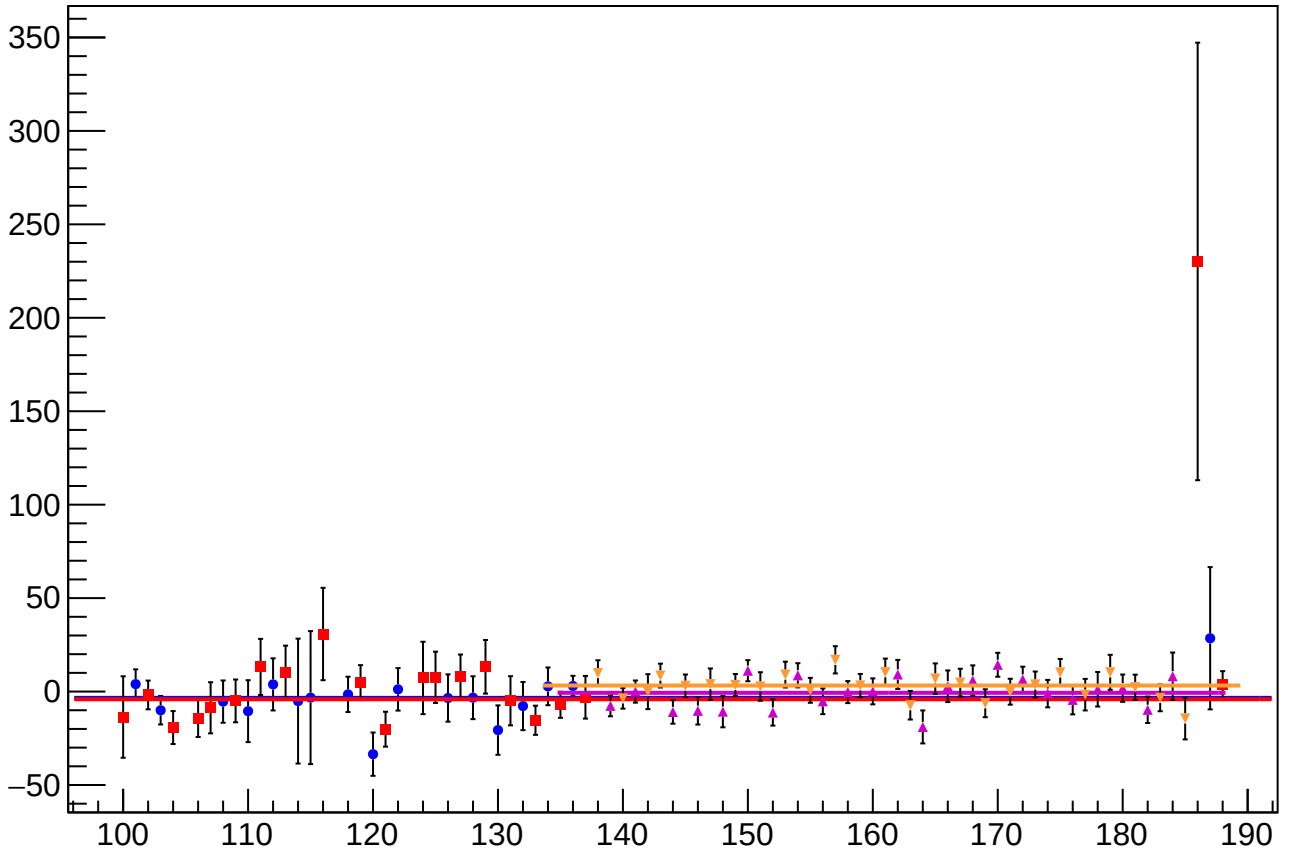
Left: 1170.916+/-0.138 χ^2/NDF: 1855646.9/47

Right: 1100.347+/-0.201 χ^2/NDF: 2080361.1/37

In: 1138.275+/-0.163 χ^2/NDF:1941778.8/39

Out: 1157.986+/-0.159 χ^2/NDF:2070303.0/45

All: 1148.374+/-0.114 χ^2/NDF: 4019574.9/85



Right In: -3.377+/-2.602 χ^2/NDF: 13.3/16

Left Out: 3.234+/-1.430 χ^2/NDF:17.9/24

Right Out: -4.123+/-2.368 χ^2/NDF: 23.6/20

Left In: -0.667+/-1.474 χ^2/NDF:32.4/22

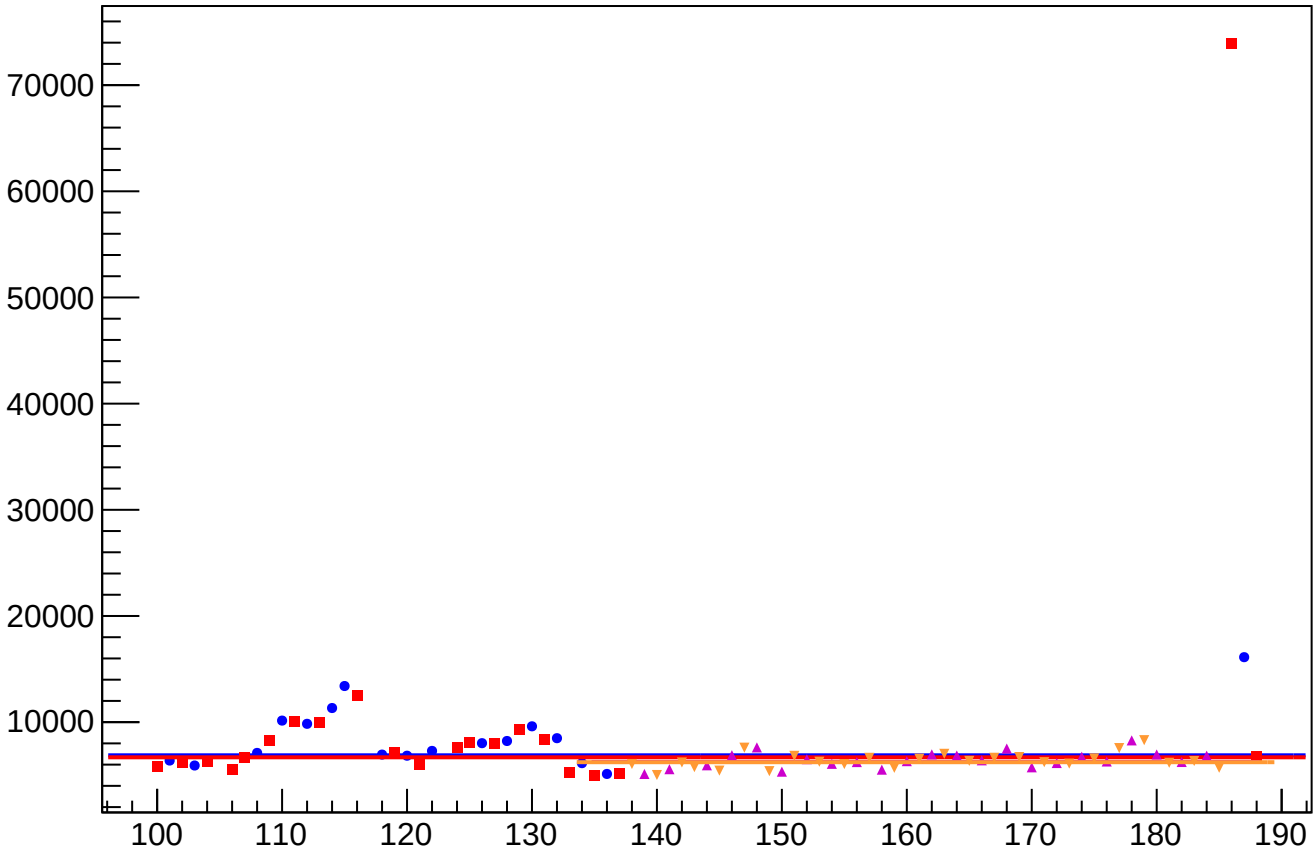
Left: 1.343+/-1.026 χ^2/NDF: 53.9/47

Right: -3.785+/-1.751 χ^2/NDF: 36.9/37

In: -1.325+/-1.282 χ^2/NDF:46.5/39

Out: 1.269+/-1.224 χ^2/NDF:48.5/45

All: 0.033+/-0.885 χ^2/NDF: 97.2/85



Right In: 6877.750+/-1.840 χ^2/NDF: 811222.7/16

Left Out: 6228.654+/-1.011 χ^2/NDF:470851.7/24

Right Out: 6688.399+/-1.675 χ^2/NDF: 1445467.2/20

Left In: 6246.800+/-1.042 χ^2/NDF:484982.9/22

Left: 6237.452+/-0.726 χ^2/NDF: 955990.8/47

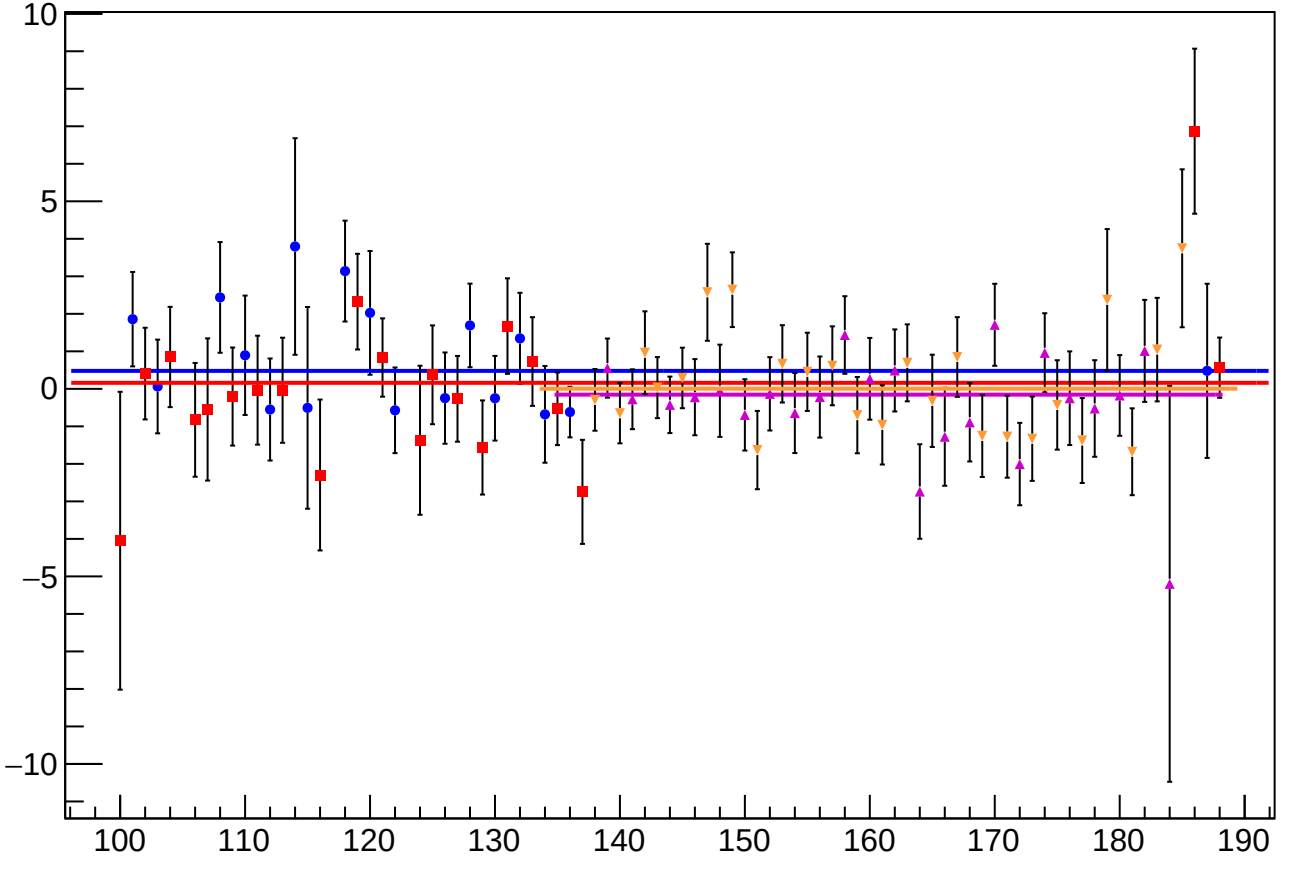
Right: 6774.190+/-1.238 χ^2/NDF: 2262482.3/37

In: 6400.033+/-0.907 χ^2/NDF:1385241.4/39

Out: 6351.433+/-0.865 χ^2/NDF:1971558.0/45

All: 6374.601+/-0.626 χ^2/NDF: 3358302.8/85

diff_bpm_4eY_4ecY_dd_mean vs Slug, Sign Corrected



Right In: 0.479+/-0.308 χ^2/NDF: 16.7/16

Left Out: 0.003+/-0.212 χ^2/NDF:31.6/24

Right Out: 0.161+/-0.286 χ^2/NDF: 25.6/20

Left In: -0.154+/-0.221 χ^2/NDF:18.4/22

Left: -0.072+/-0.153 χ^2/NDF: 50.3/47

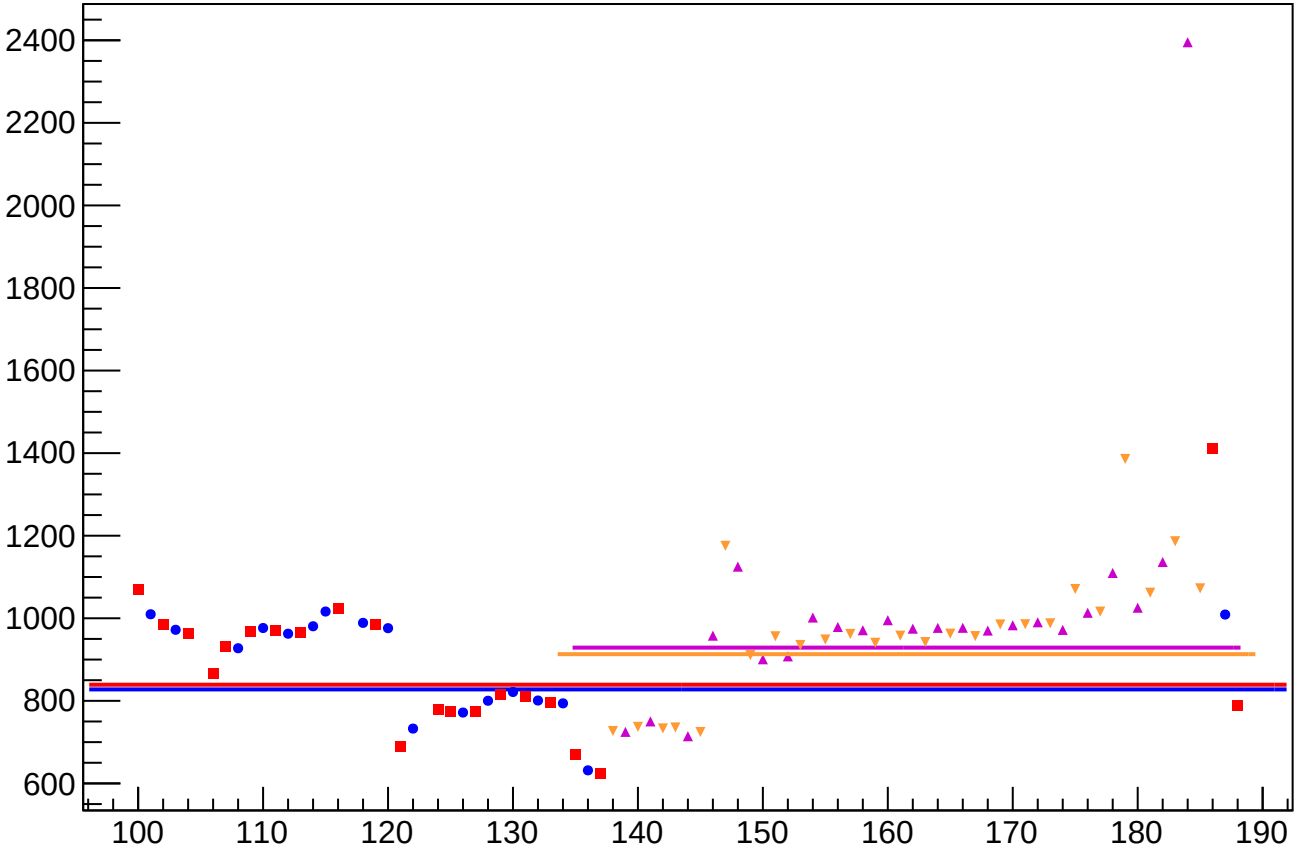
Right: 0.308+/-0.209 χ^2/NDF: 42.9/37

In: 0.061+/-0.180 χ^2/NDF:37.9/39

Out: 0.059+/-0.170 χ^2/NDF:57.5/45

All: 0.060+/-0.124 χ^2/NDF: 95.4/85

diff_bpm_4eY_4ecY_dd_rms vs Slug, Sign Corrected



Right In: 827.681+/-0.218 χ^2/NDF: 377883.9/16

Left Out: 913.070+/-0.150 χ^2/NDF:889200.0/24

Right Out: 839.092+/-0.202 χ^2/NDF: 463234.2/20

Left In: 928.913+/-0.156 χ^2/NDF:769065.0/22

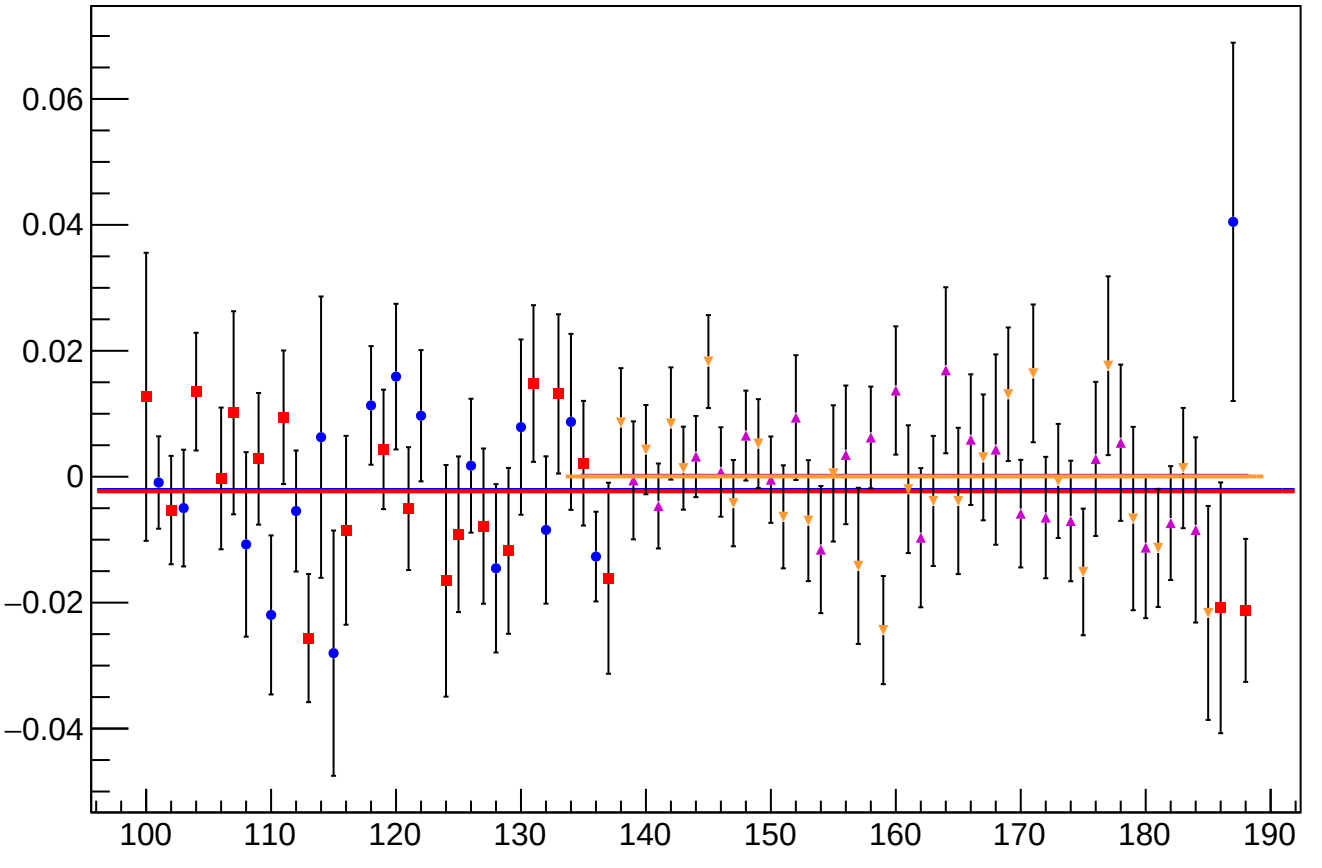
Left: 920.657+/-0.108 χ^2/NDF: 1663617.7/47

Right: 833.817+/-0.148 χ^2/NDF: 842594.0/37

In: 894.500+/-0.127 χ^2/NDF:1289515.8/39

Out: 886.800+/-0.120 χ^2/NDF:1438981.1/45

All: 890.442+/-0.087 χ^2/NDF: 2730433.8/85



Right In: -0.002+/-0.003 χ^2/NDF: 17.6/16

Left Out: 0.000+/-0.002 χ^2/NDF:31.1/24

Right Out: -0.002+/-0.003 χ^2/NDF: 21.2/20

Left In: 0.000+/-0.002 χ^2/NDF:12.8/22

Left: 0.000+/-0.001 χ^2/NDF: 43.9/47

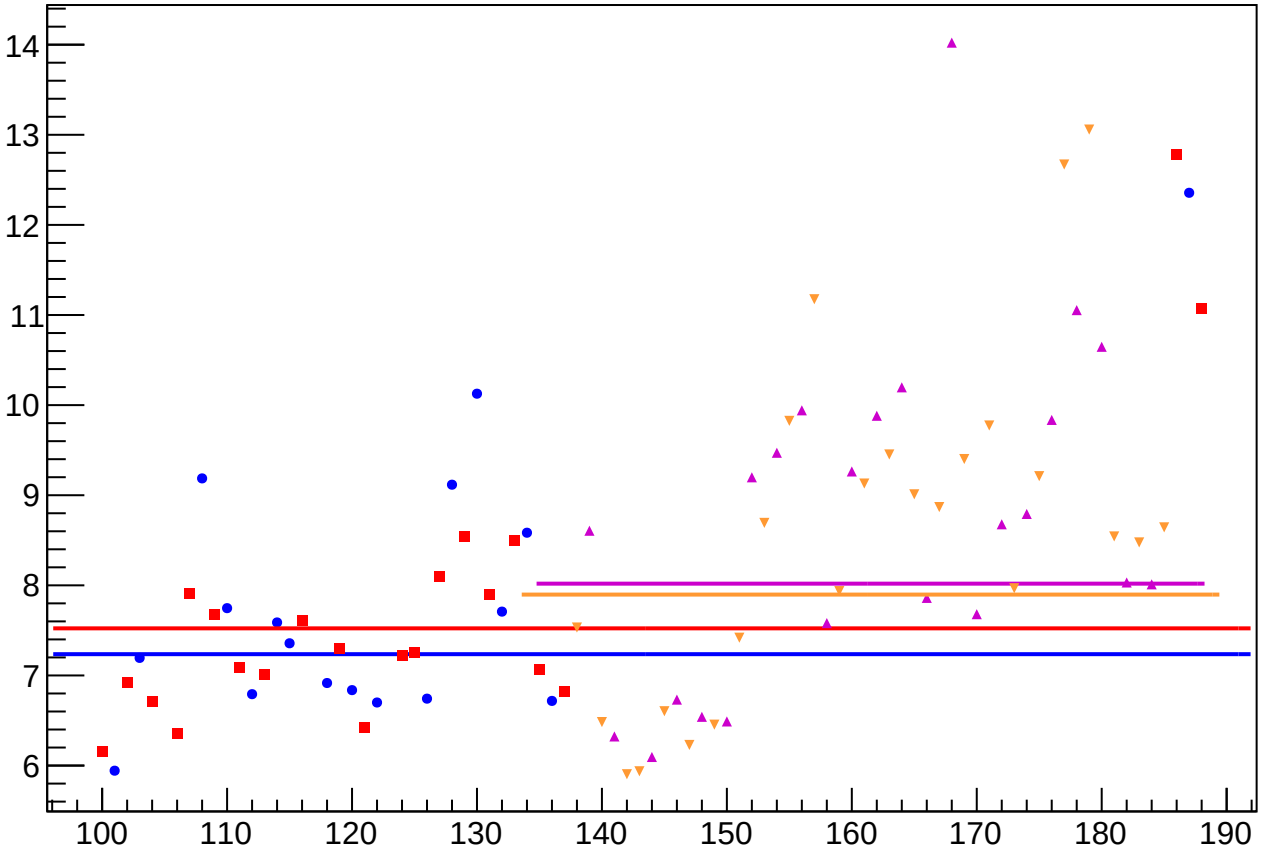
Right: -0.002+/-0.002 χ^2/NDF: 38.7/37

In: -0.001+/-0.002 χ^2/NDF:30.8/39

Out: -0.001+/-0.001 χ^2/NDF:52.9/45

All: -0.001+/-0.001 χ^2/NDF: 83.7/85

diff_dispE_bpm12X_rms vs Slug, Sign Corrected



Right In: 7.236+/-0.002 χ^2/NDF: 342982.3/16

Left Out: 7.897+/-0.001 χ^2/NDF:1590867.7/24

Right Out: 7.523+/-0.002 χ^2/NDF: 464475.8/20

Left In: 8.019+/-0.001 χ^2/NDF:1455714.6/22

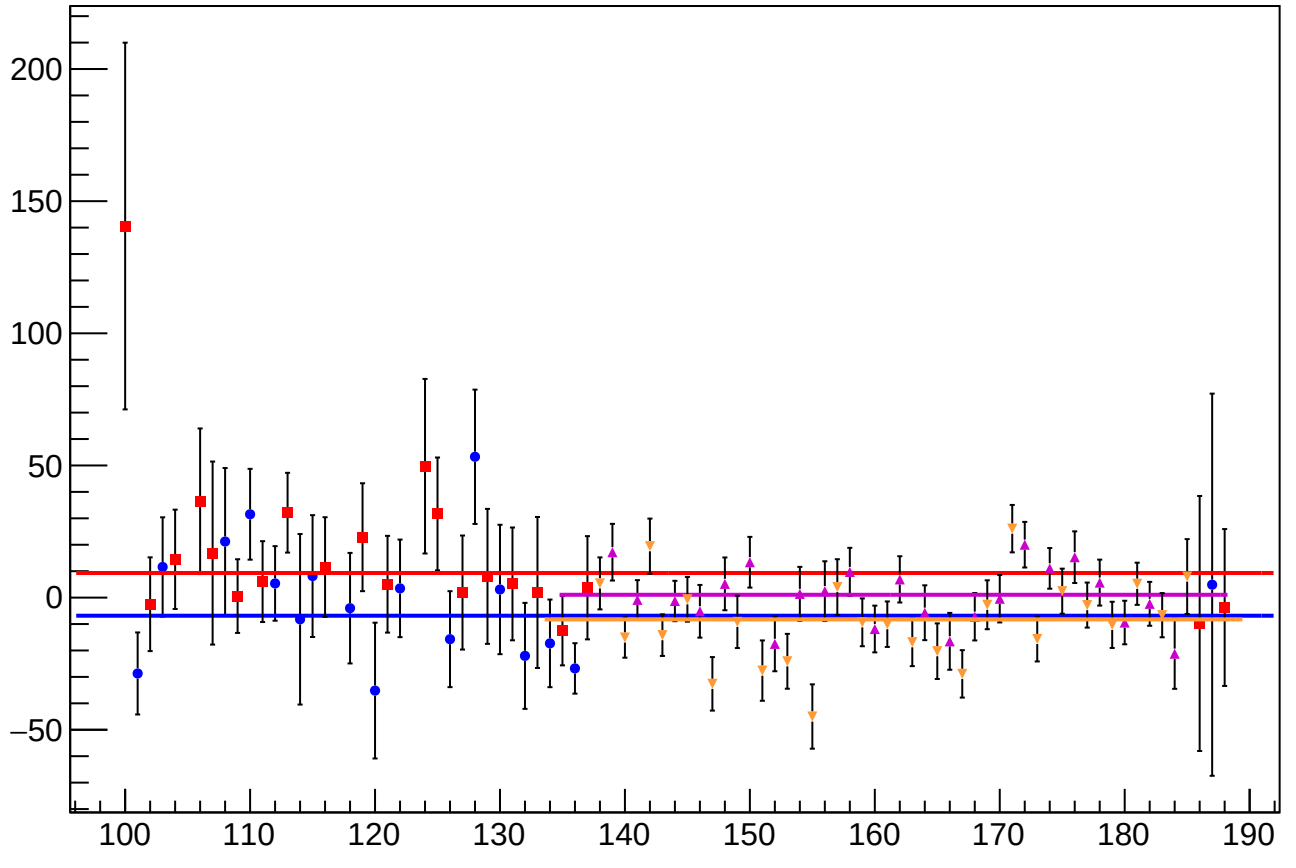
Left: 7.956+/-0.001 χ^2/NDF: 3050743.5/47

Right: 7.386+/-0.001 χ^2/NDF: 819295.5/37

In: 7.756+/-0.001 χ^2/NDF:1910589.5/39

Out: 7.770+/-0.001 χ^2/NDF:2083465.6/45

All: 7.763+/-0.001 χ^2/NDF: 3994136.6/85



Right In: -6.846+/-4.480 χ^2/NDF: 23.1/16

Left Out: -8.256+/-1.849 χ^2/NDF:62.2/24

Right Out: 9.320+/-4.447 χ^2/NDF: 14.3/20

Left In: 1.072+/-1.921 χ^2/NDF:28.8/22

Left: -3.769+/-1.332 χ^2/NDF: 103.2/47

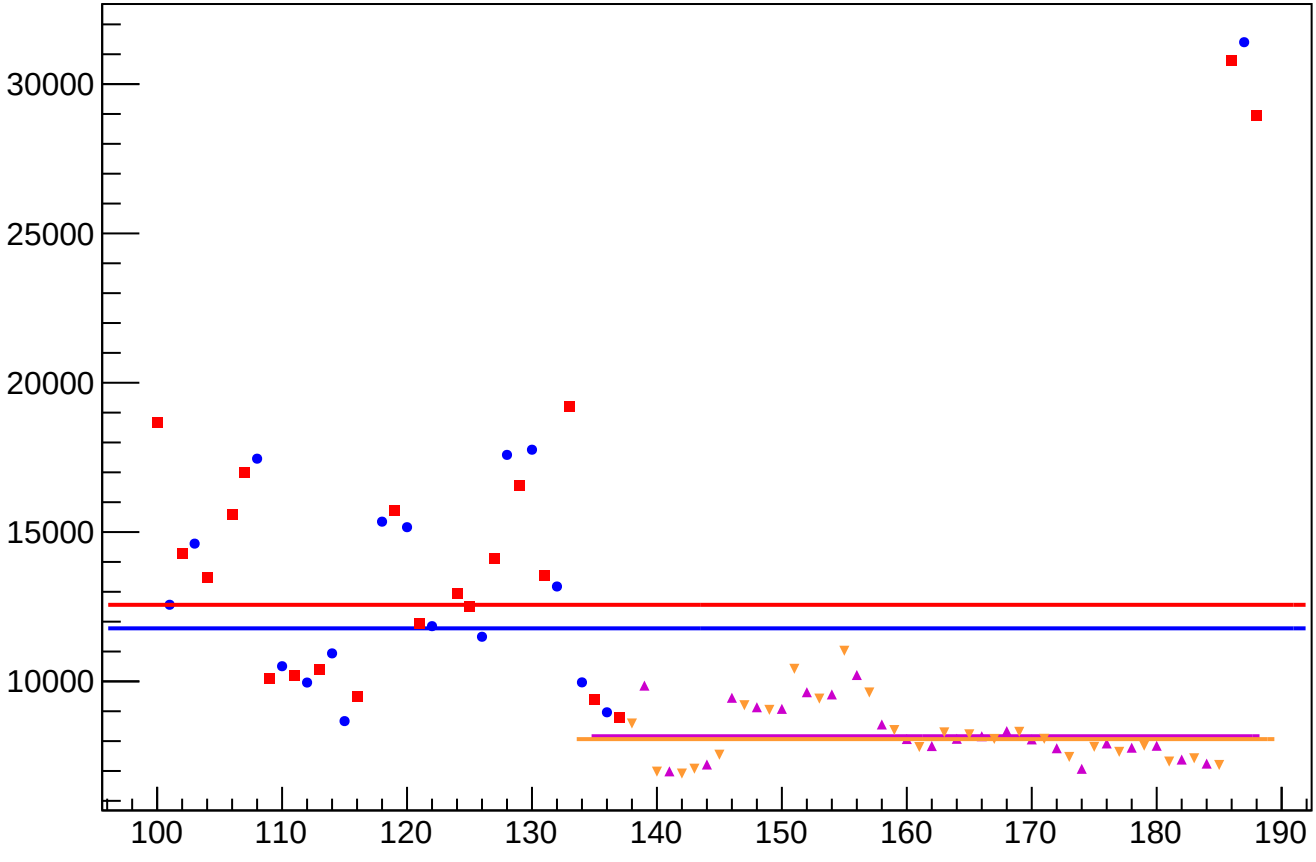
Right: 1.297+/-3.156 χ^2/NDF: 44.0/37

In: -0.158+/-1.765 χ^2/NDF:54.5/39

Out: -5.665+/-1.708 χ^2/NDF:89.8/45

All: -3.003+/-1.227 χ^2/NDF: 149.4/85

diff_targ_positionX_rms vs Slug, Sign Corrected



Right In: 11776.266+/-3.168 χ^2/NDF: 888148.6/16

Left Out: 8066.710+/-1.308 χ^2/NDF:498146.1/24

Right Out: 12563.712+/-3.144 χ^2/NDF: 1608678.2/20

Left In: 8163.472+/-1.358 χ^2/NDF:432350.3/22

Left: 8113.259+/-0.942 χ^2/NDF: 933130.1/47

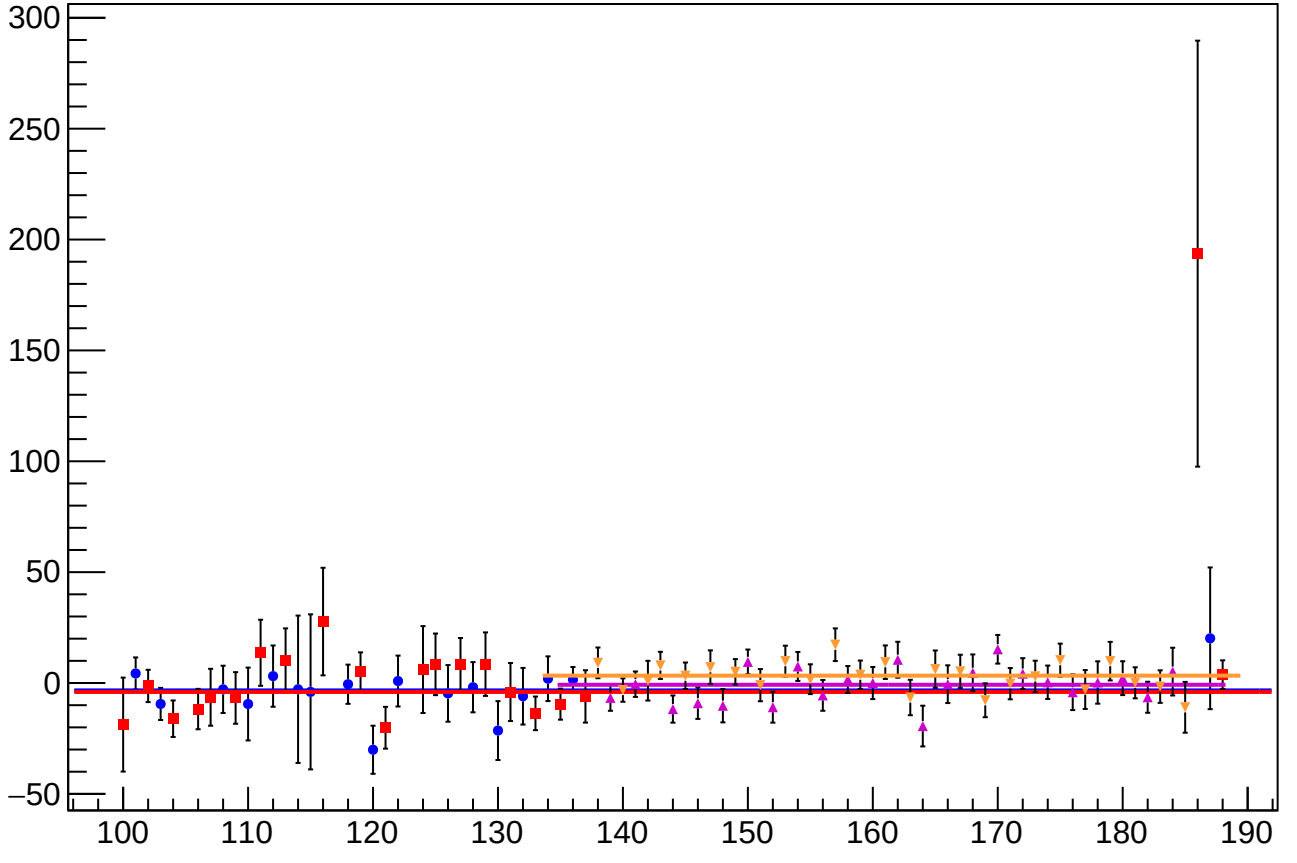
Right: 12172.881+/-2.232 χ^2/NDF: 2527952.4/37

In: 8724.546+/-1.248 χ^2/NDF:2419292.8/39

Out: 8729.830+/-1.207 χ^2/NDF:3850523.5/45

All: 8727.276+/-0.868 χ^2/NDF: 6269825.5/85

diff_targ_positionY_mean vs Slug, Sign Corrected



Right In: -3.335+/-2.542 χ^2/NDF: 12.0/16

Left Out: 3.330+/-1.431 χ^2/NDF:16.9/24

Right Out: -4.016+/-2.287 χ^2/NDF: 22.6/20

Left In: -0.797+/-1.479 χ^2/NDF:29.4/22

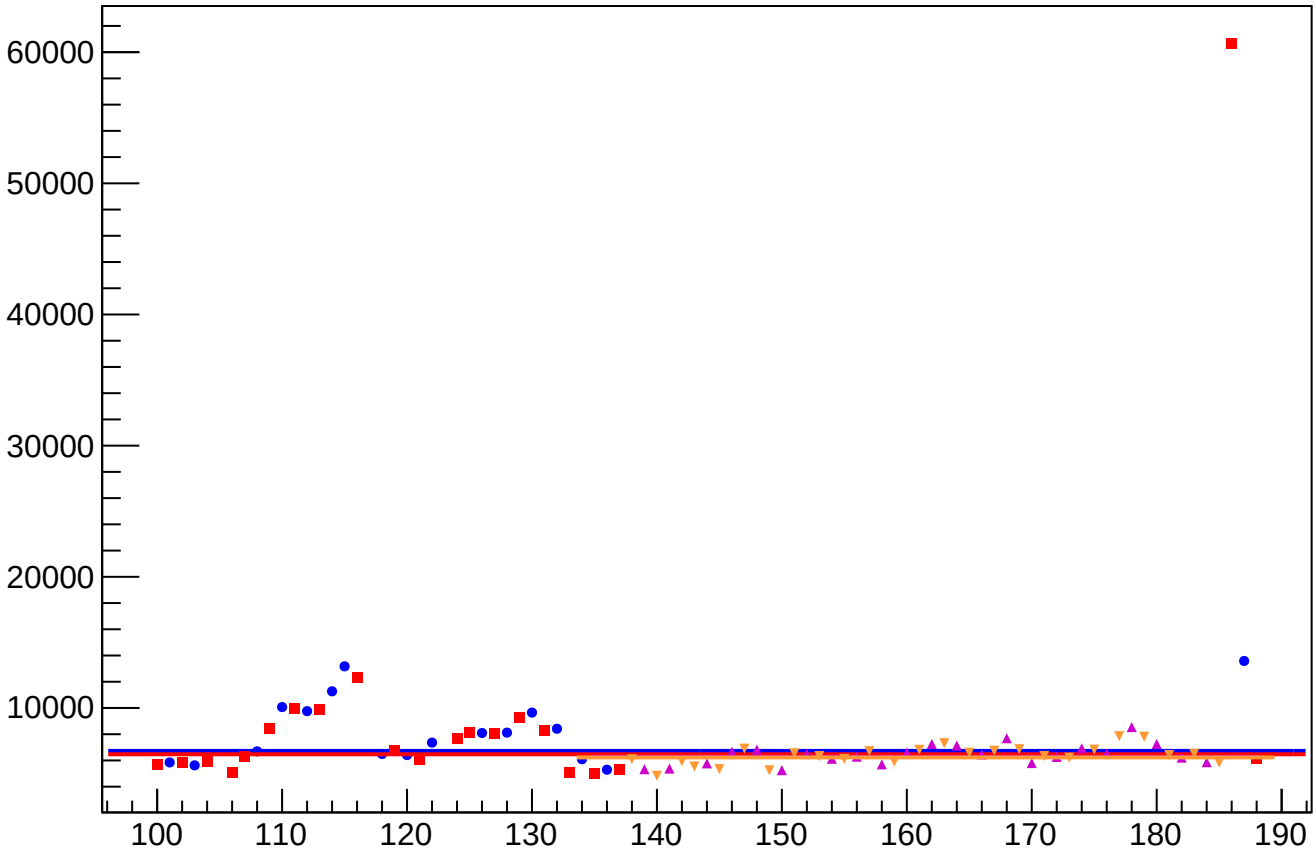
Left: 1.335+/-1.028 χ^2/NDF: 50.4/47

Right: -3.712+/-1.700 χ^2/NDF: 34.6/37

In: -1.439+/-1.278 χ^2/NDF:42.2/39

Out: 1.264+/-1.213 χ^2/NDF:46.9/45

All: -0.016+/-0.880 χ^2/NDF: 91.4/85



Right In: 6726.641+/-1.797 χ^2/NDF: 784882.7/16

Left Out: 6230.934+/-1.012 χ^2/NDF:532579.4/24

Right Out: 6470.635+/-1.617 χ^2/NDF: 1479897.4/20

Left In: 6270.834+/-1.046 χ^2/NDF:504723.6/22

Left: 6250.225+/-0.727 χ^2/NDF: 1038055.2/47

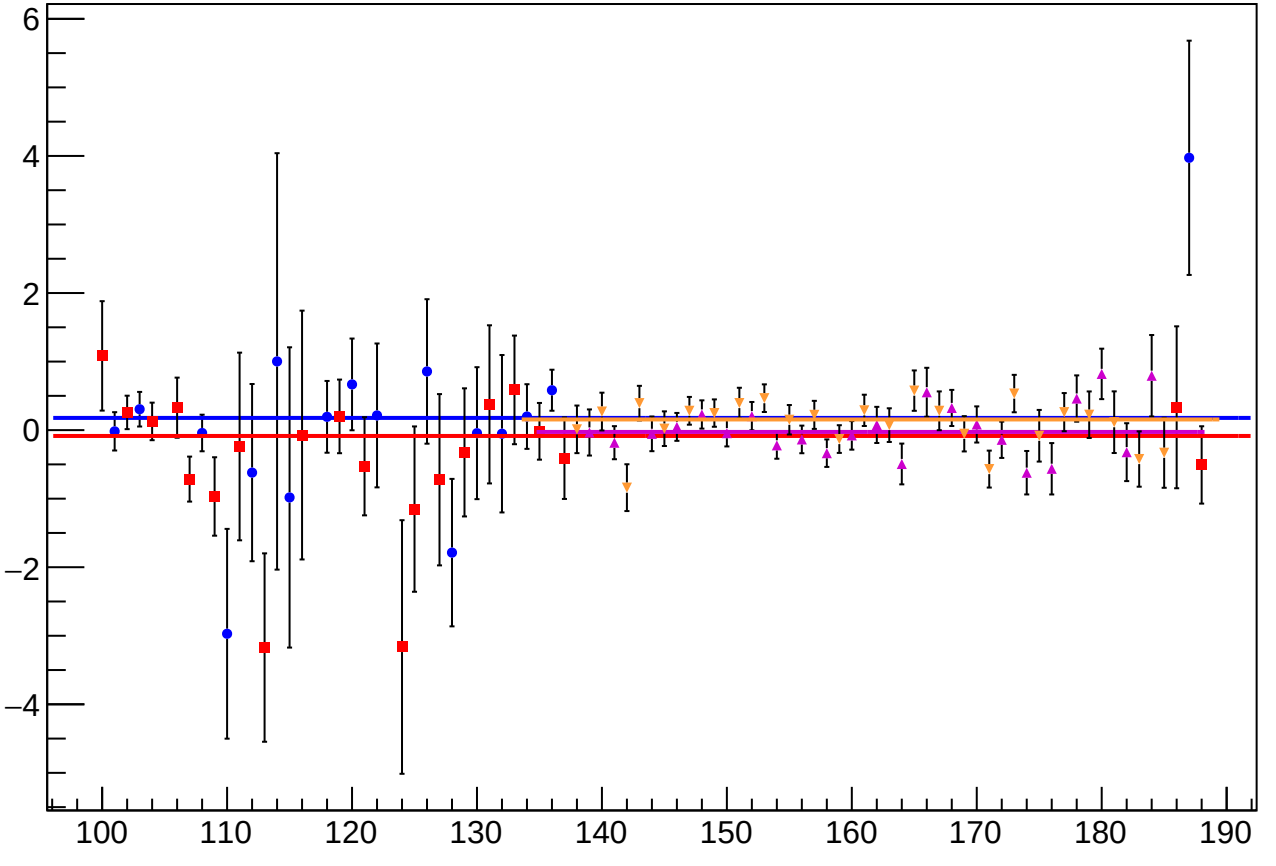
Right: 6585.193+/-1.202 χ^2/NDF: 2275992.0/37

In: 6386.098+/-0.904 χ^2/NDF:1337666.1/39

Out: 6298.334+/-0.858 χ^2/NDF:2028265.9/45

All: 6339.920+/-0.622 χ^2/NDF: 3370894.2/85

diff_targ_thetaX_mean vs Slug, Sign Corrected



Right In: 0.178+/-0.119 χ^2/NDF: 17.5/16

Left Out: 0.156+/-0.052 χ^2/NDF:32.3/24

Right Out: -0.085+/-0.117 χ^2/NDF: 23.2/20

Left In: -0.026+/-0.053 χ^2/NDF:29.8/22

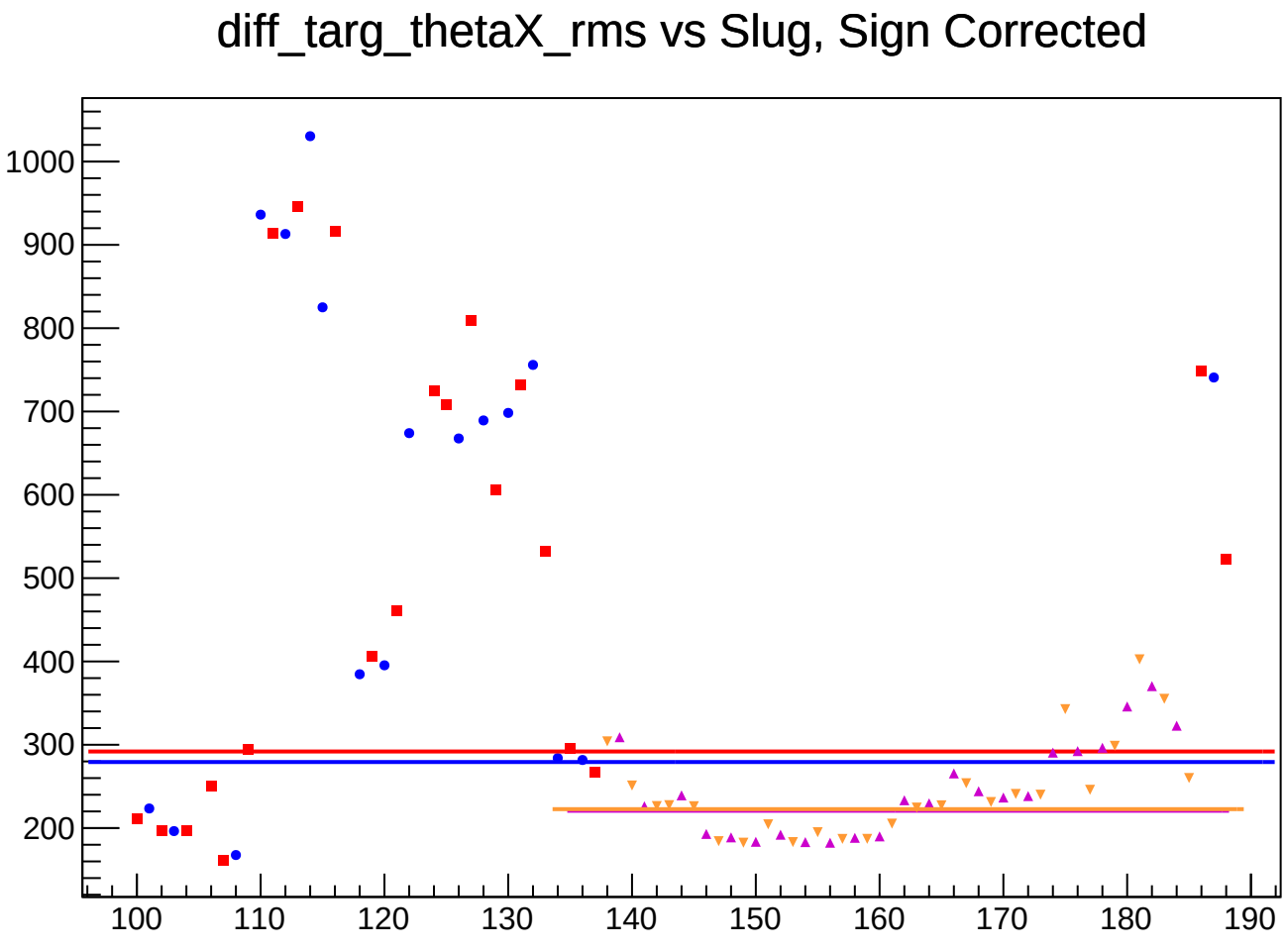
Left: 0.066+/-0.037 χ^2/NDF: 68.1/47

Right: 0.043+/-0.083 χ^2/NDF: 43.2/37

In: 0.007+/-0.048 χ^2/NDF:49.8/39

Out: 0.116+/-0.047 χ^2/NDF:59.0/45

All: 0.063+/-0.034 χ^2/NDF: 111.4/85



Right In: 279.277+/-0.084 χ^2/NDF: 3597124.9/16

Left Out: 222.727+/-0.037 χ^2/NDF:1451363.0/24

Right Out: 291.930+/-0.082 χ^2/NDF: 4236201.8/20

Left In: 220.802+/-0.037 χ^2/NDF:1471497.9/22

Left: 221.784+/-0.026 χ^2/NDF: 2924208.1/47

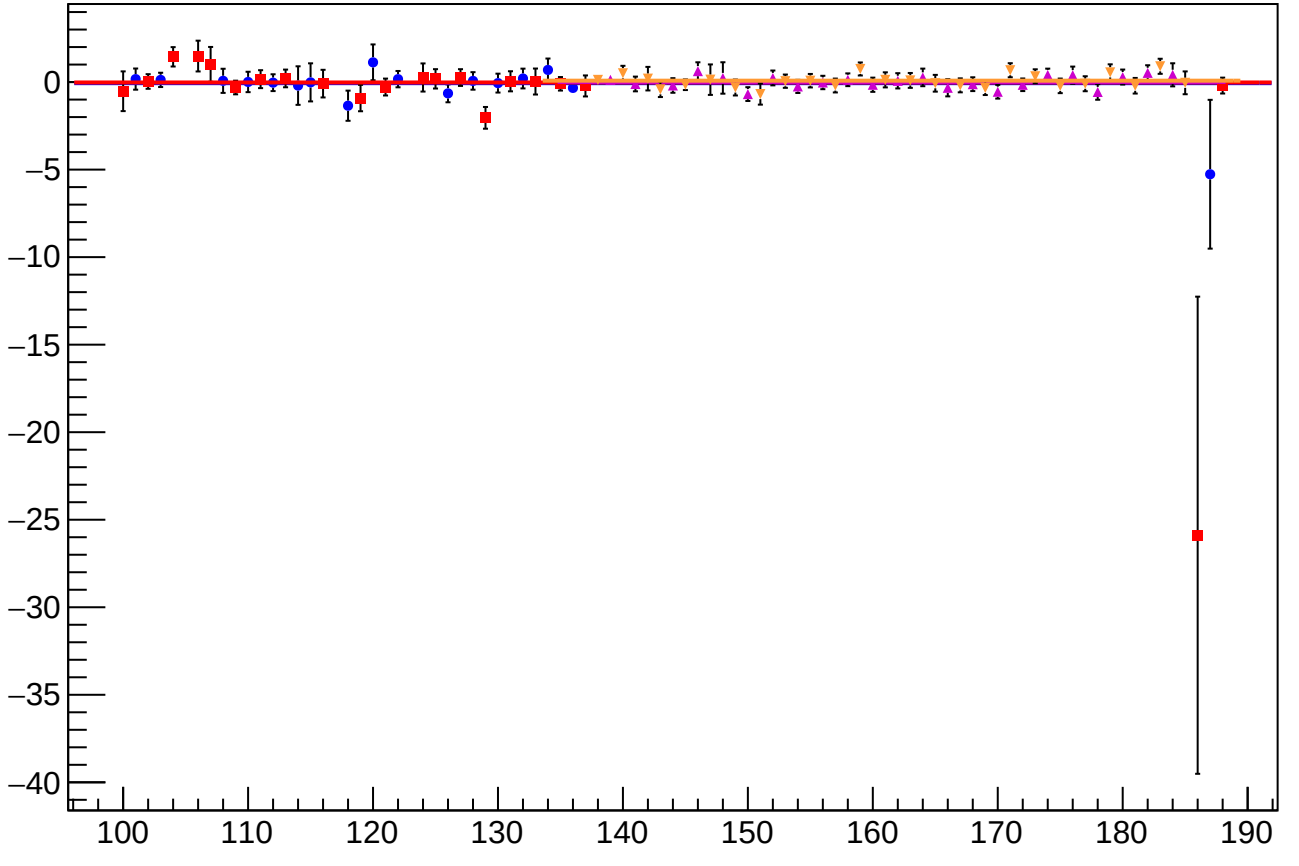
Right: 285.752+/-0.059 χ^2/NDF: 7844841.1/37

In: 230.433+/-0.034 χ^2/NDF:5470055.4/39

Out: 234.187+/-0.034 χ^2/NDF:6276183.3/45

All: 232.349+/-0.024 χ^2/NDF: 11752377.8/85

diff_targ_thetaY_mean vs Slug, Sign Corrected



Right In: -0.062+/-0.134 χ^2/NDF: 9.6/16

Left Out: 0.079+/-0.084 χ^2/NDF:19.0/24

Right Out: -0.023+/-0.124 χ^2/NDF: 28.9/20

Left In: 0.009+/-0.083 χ^2/NDF:15.2/22

Left: 0.043+/-0.059 χ^2/NDF: 34.6/47

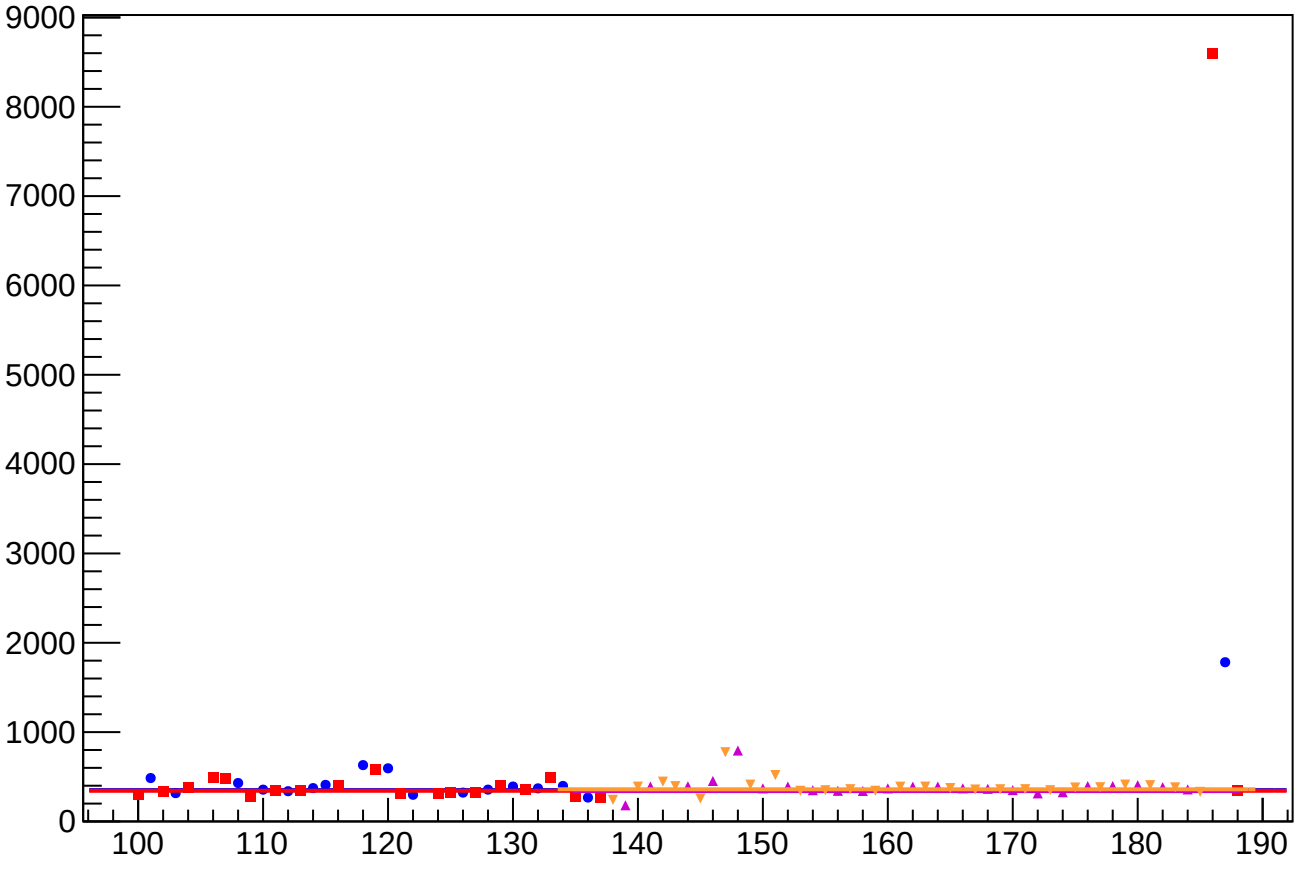
Right: -0.041+/-0.091 χ^2/NDF: 38.6/37

In: -0.011+/-0.070 χ^2/NDF:25.1/39

Out: 0.047+/-0.070 χ^2/NDF:48.4/45

All: 0.018+/-0.050 χ^2/NDF: 73.8/85

diff_targ_thetaY_rms vs Slug, Sign Corrected



Right In: 350.979+/-0.095 χ^2/NDF: 926400.7/16

Left Out: 360.021+/-0.060 χ^2/NDF:1339748.9/24

Right Out: 343.686+/-0.088 χ^2/NDF: 1309455.5/20

Left In: 340.020+/-0.059 χ^2/NDF:2225094.5/22

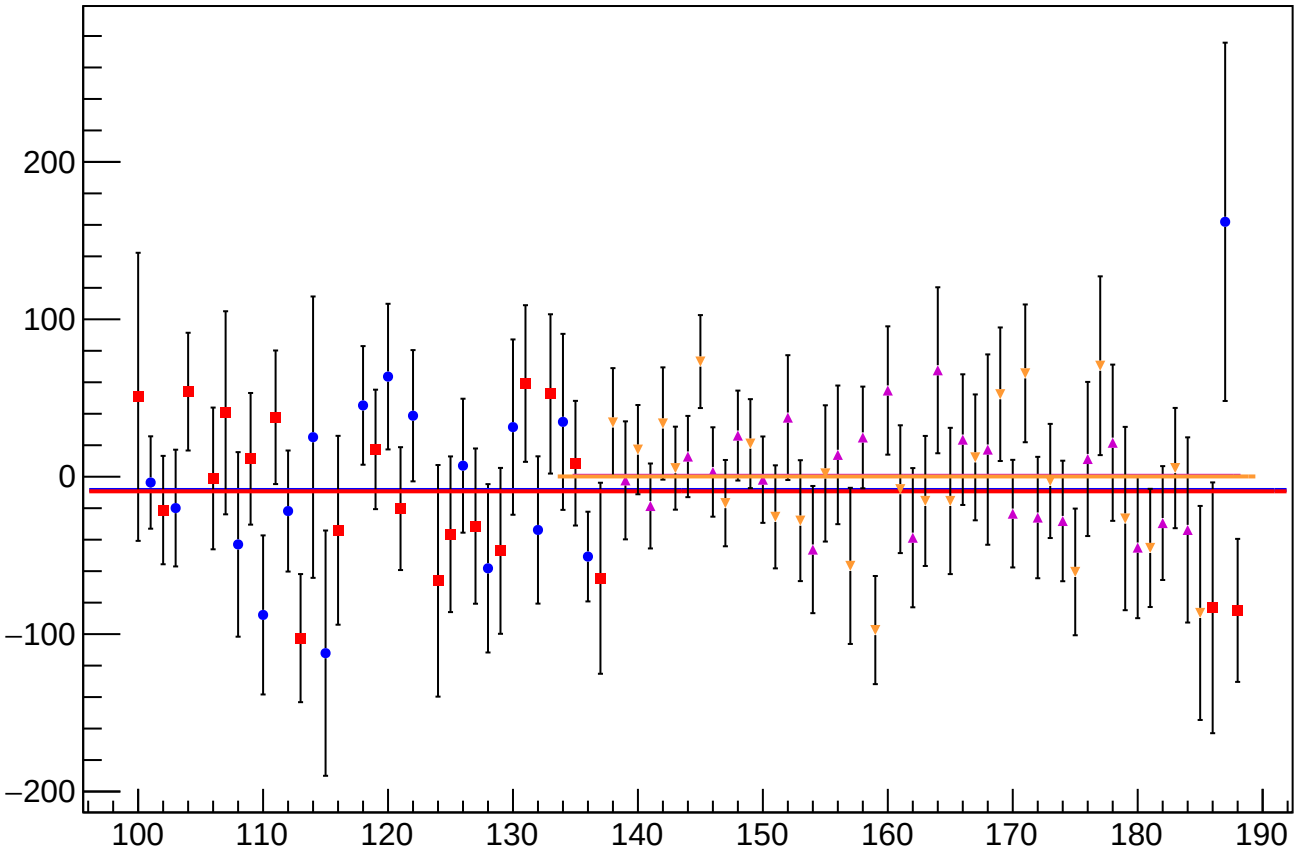
Left: 349.842+/-0.042 χ^2/NDF: 3622132.3/47

Right: 347.057+/-0.064 χ^2/NDF: 2239054.4/37

In: 343.057+/-0.050 χ^2/NDF:3161203.0/39

Out: 354.857+/-0.049 χ^2/NDF:2672940.3/45

All: 349.015+/-0.035 χ^2/NDF: 5862505.4/85



Right In: -8.425+/-10.787 χ^2/NDF: 17.6/16

Left Out: 0.168+/-7.375 χ^2/NDF:31.1/24

Right Out: -9.279+/-10.270 χ^2/NDF: 21.2/20

Left In: 0.586+/-7.667 χ^2/NDF:12.8/22

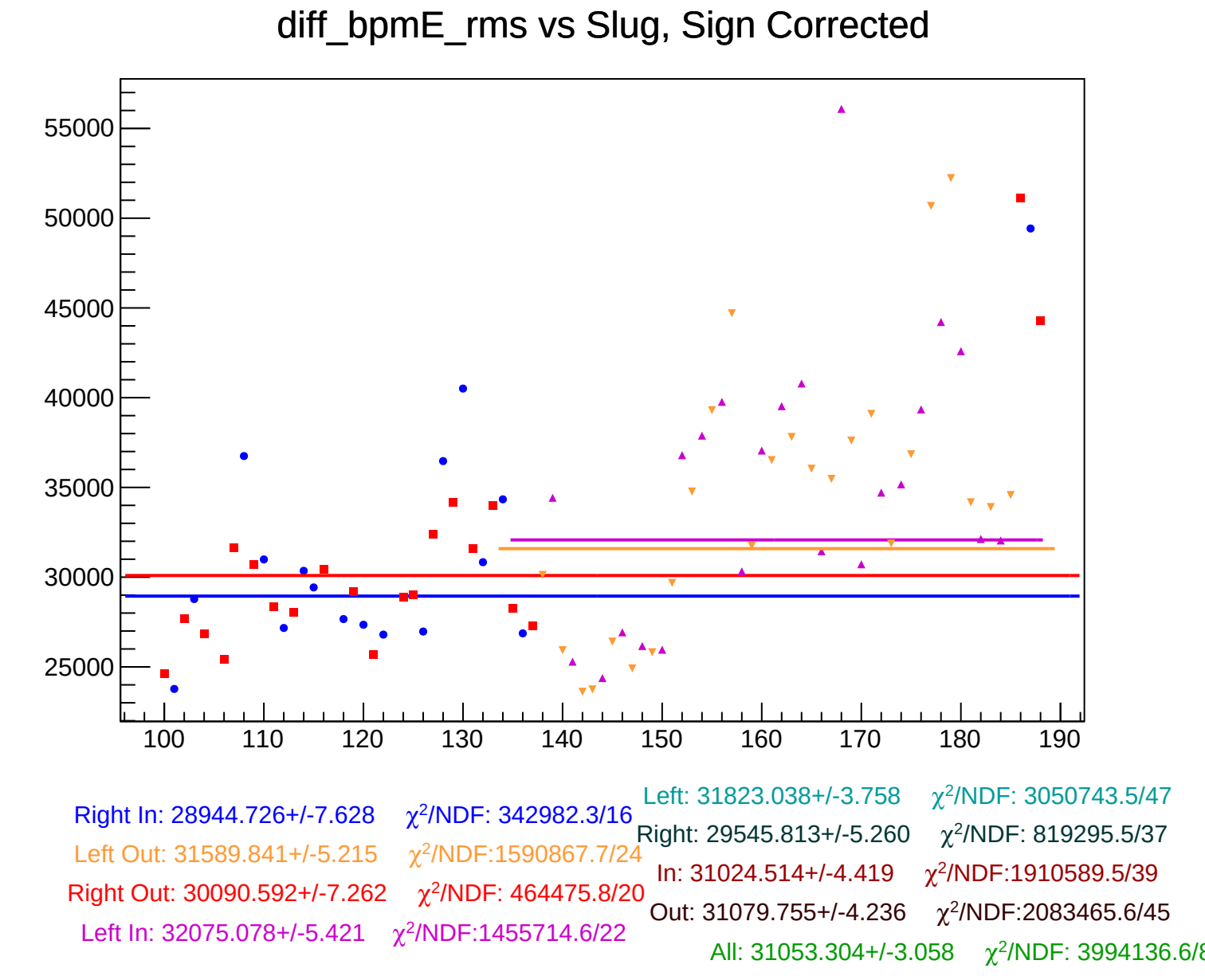
Left: 0.369+/-5.315 χ^2/NDF: 43.9/47

Right: -8.873+/-7.438 χ^2/NDF: 38.7/37

In: -2.438+/-6.249 χ^2/NDF:30.8/39

Out: -3.046+/-5.990 χ^2/NDF:52.9/45

All: -2.755+/-4.324 χ^2/NDF: 83.7/85


diff_bpmE_rms vs Slug, Sign Corrected
55000
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150
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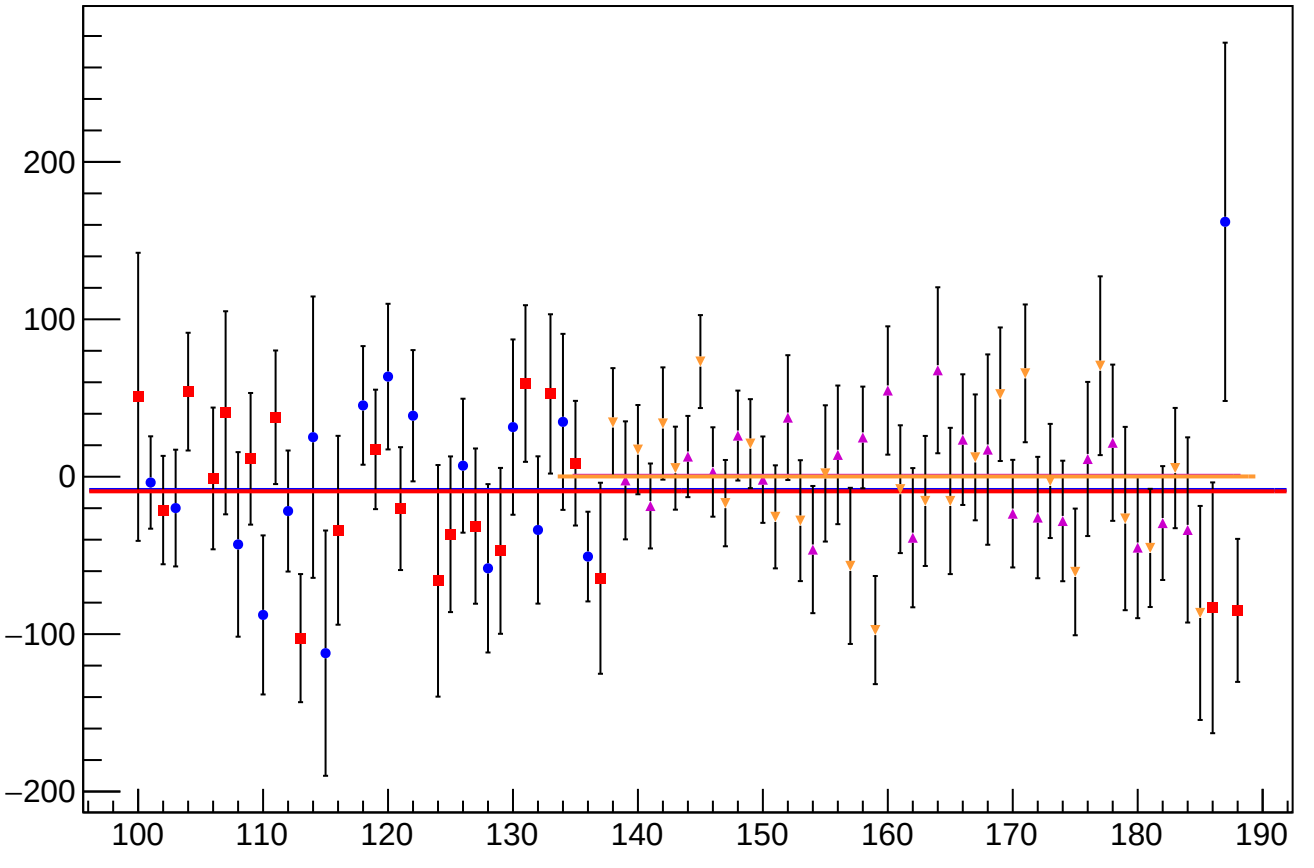
170
180
190
Right In: 28944.726+/-7.628 χ²/NDF: 342982.3/16
Left Out: 31589.841+/-5.215 χ²/NDF:1590867.7/24
Right Out: 30090.592+/-7.262 χ²/NDF: 464475.8/20
Left In: 32075.078+/-5.421 χ²/NDF:1455714.6/22
Left: 31823.038+/-3.758 χ²/NDF: 3050743.5/47
Right: 29545.813+/-5.260 χ²/NDF: 819295.5/37
In: 31024.514+/-4.419 χ²/NDF:1910589.5/39
Out: 31079.755+/-4.236 χ²/NDF:2083465.6/45
All: 31053.304+/-3.058 χ²/NDF: 3994136.6/8



Right In: -8.425+/-10.787 χ^2/NDF: 17.6/16

Left Out: 0.168+/-7.375 χ^2/NDF:31.1/24

Right Out: -9.279+/-10.270 χ^2/NDF: 21.2/20

Left In: 0.586+/-7.667 χ^2/NDF:12.8/22

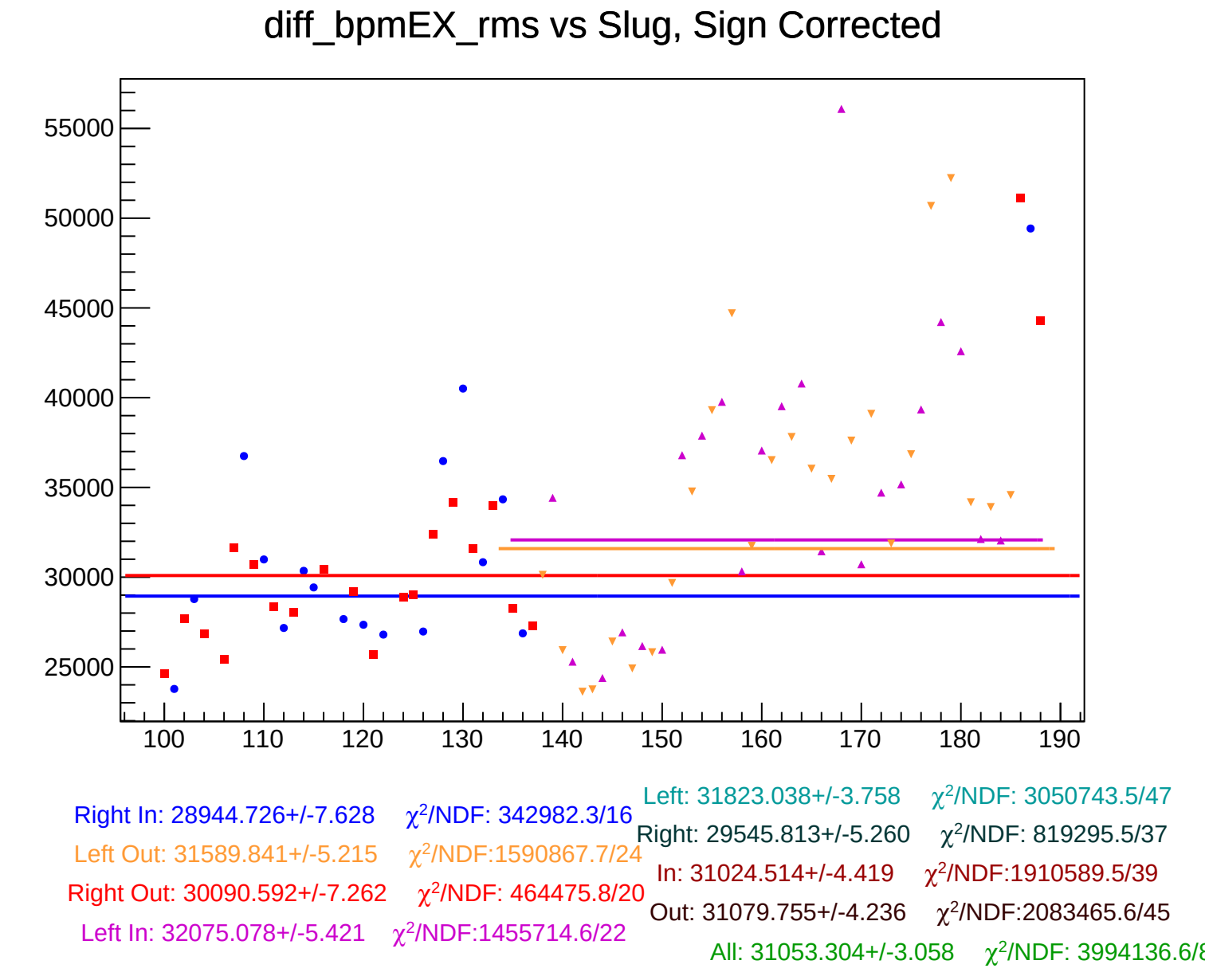
Left: 0.369+/-5.315 χ^2/NDF: 43.9/47

Right: -8.873+/-7.438 χ^2/NDF: 38.7/37

In: -2.438+/-6.249 χ^2/NDF:30.8/39

Out: -3.046+/-5.990 χ^2/NDF:52.9/45

All: -2.755+/-4.324 χ^2/NDF: 83.7/85


diff_bpmEX_rms vs Slug, Sign Corrected
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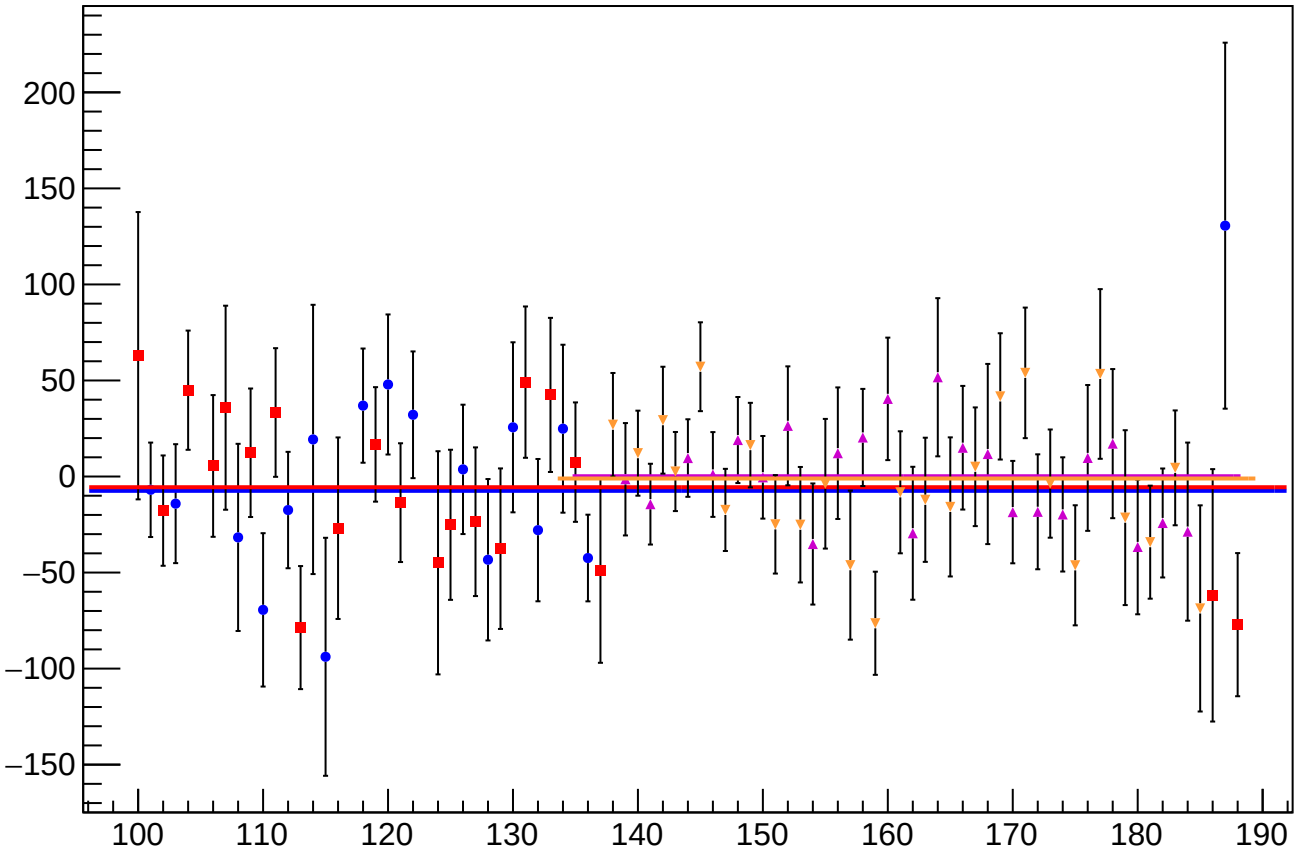
Right In: 28944.726+/-7.628 χ²/NDF: 342982.3/16
Left Out: 31589.841+/-5.215 χ²/NDF:1590867.7/24
Right Out: 30090.592+/-7.262 χ²/NDF: 464475.8/20
Left In: 32075.078+/-5.421 χ²/NDF:1455714.6/22
Left: 31823.038+/-3.758 χ²/NDF: 3050743.5/47
Right: 29545.813+/-5.260 χ²/NDF: 819295.5/37
In: 31024.514+/-4.419 χ²/NDF:1910589.5/39
Out: 31079.755+/-4.236 χ²/NDF:2083465.6/45
All: 31053.304+/-3.058 χ²/NDF: 3994136.6/8



Right In: -7.454+/-8.643 χ^2/NDF: 17.6/16

Left Out: -1.042+/-5.755 χ^2/NDF:32.3/24

Right Out: -5.575+/-8.227 χ^2/NDF: 22.3/20

Left In: 0.147+/-5.985 χ^2/NDF:12.1/22

Left: -0.471+/-4.148 χ^2/NDF: 44.5/47

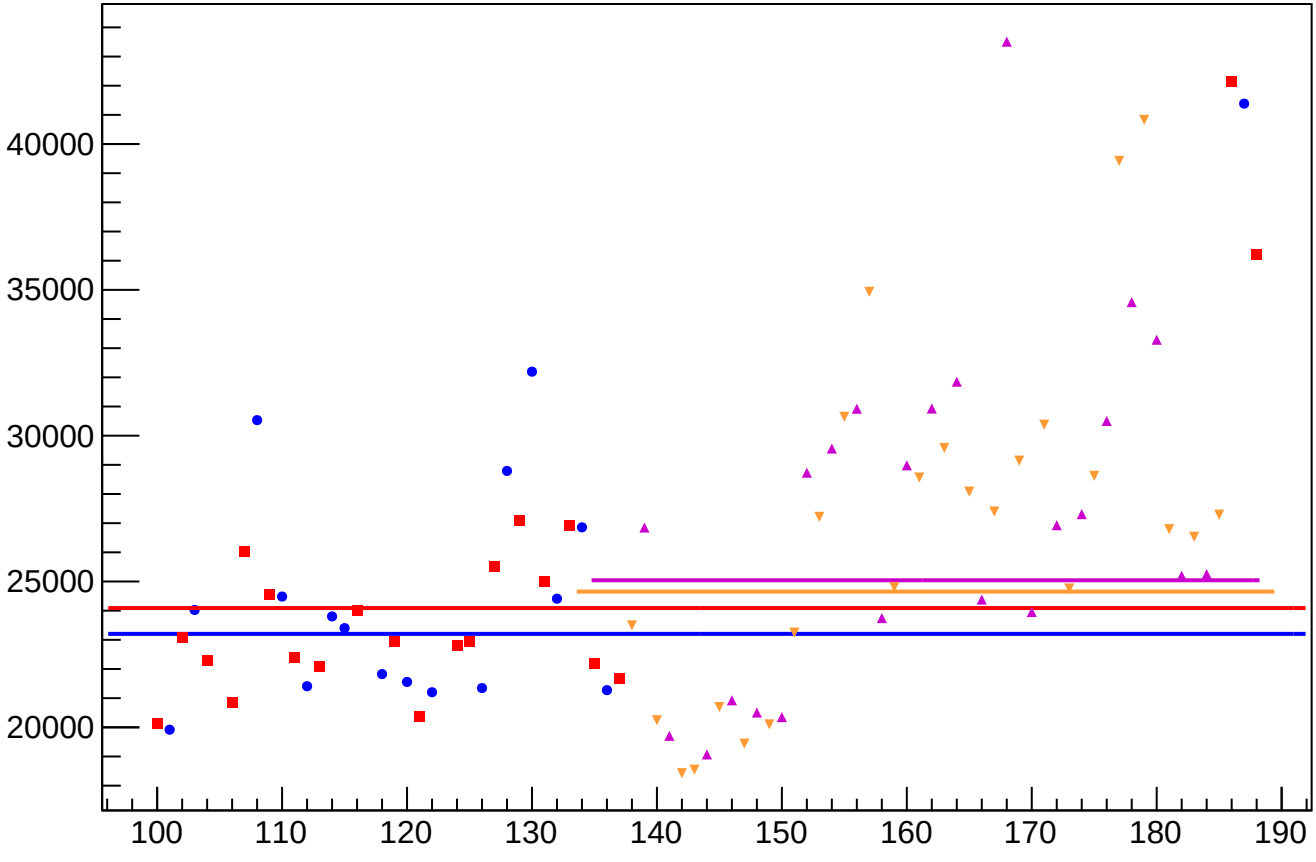
Right: -6.468+/-5.959 χ^2/NDF: 40.0/37

In: -2.317+/-4.920 χ^2/NDF:30.3/39

Out: -2.531+/-4.716 χ^2/NDF:54.9/45

All: -2.428+/-3.404 χ^2/NDF: 85.1/85

diff_bpmE_11X12X_rms vs Slug, Sign Corrected



Right In: 23204.749+/-6.111 χ^2/NDF: 334870.5/16

Left Out: 24654.001+/-4.069 χ^2/NDF:1582710.2/24

Right Out: 24089.000+/-5.818 χ^2/NDF: 480481.7/20

Left In: 25041.993+/-4.232 χ^2/NDF:1441641.5/22

Left: 24840.393+/-2.933 χ^2/NDF: 3028719.5/47

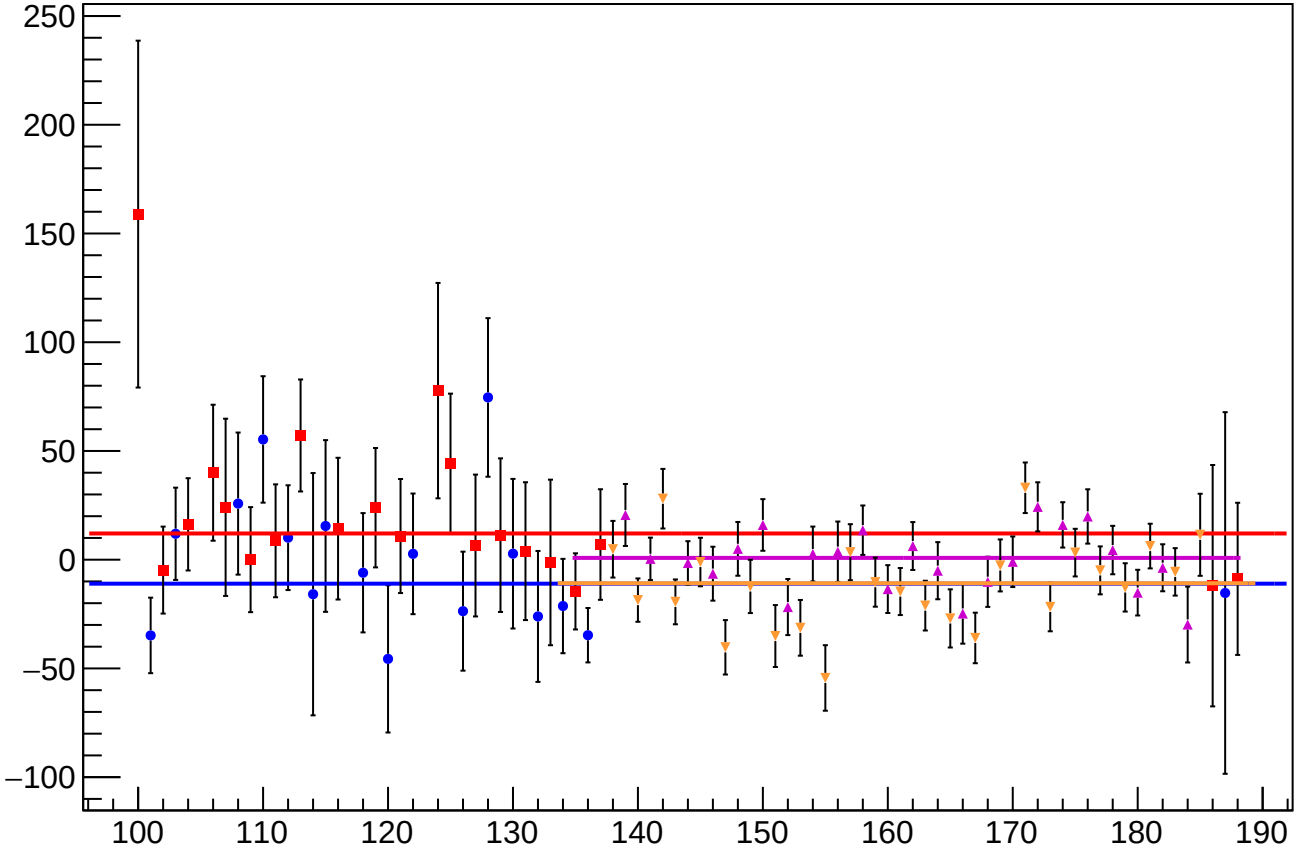
Right: 23668.632+/-4.214 χ^2/NDF: 826335.2/37

In: 24446.548+/-3.479 χ^2/NDF:1837599.8/39

Out: 24468.394+/-3.334 χ^2/NDF:2069525.5/45

All: 24457.935+/-2.407 χ^2/NDF: 3907145.9/8

diff_bpm4aesumX_mean vs Slug, Sign Corrected



Right In: -11.026+/-6.138 χ^2/NDF: 22.0/16

Left Out: -10.822+/-2.370 χ^2/NDF:61.3/24

Right Out: 12.059+/-6.238 χ^2/NDF: 14.4/20

Left In: 0.826+/-2.457 χ^2/NDF:29.4/22

Left: -5.207+/-1.706 χ^2/NDF: 102.3/47

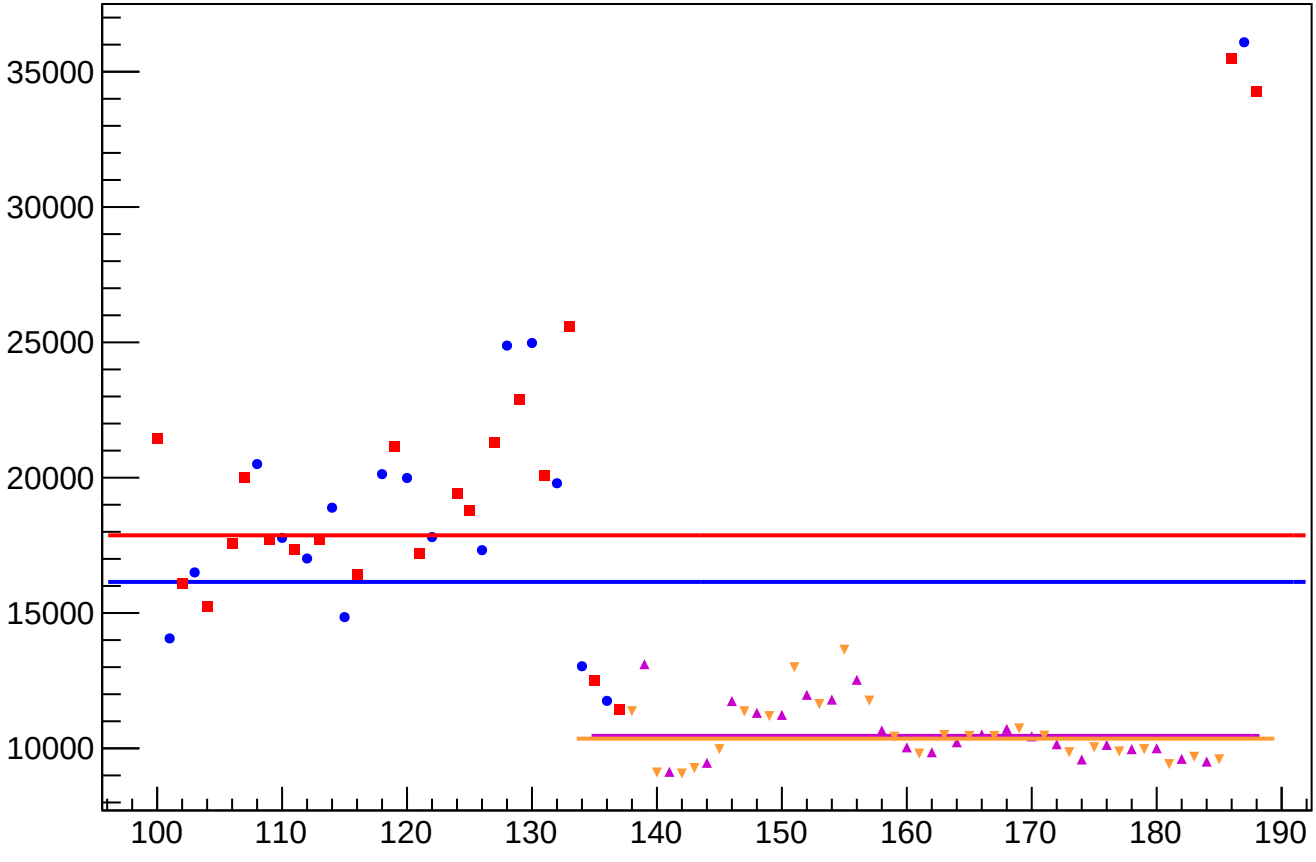
Right: 0.329+/-4.375 χ^2/NDF: 43.4/37

In: -0.810+/-2.281 χ^2/NDF:54.6/39

Out: -7.936+/-2.216 χ^2/NDF:87.5/45

All: -4.476+/-1.589 χ^2/NDF: 147.1/85

diff_bpm4aesumX_rms vs Slug, Sign Corrected



Right In: 16149.322+/-4.340 χ^2/NDF: 838325.2/16

Left Out: 10358.363+/-1.676 χ^2/NDF:363077.1/24

Right Out: 17870.853+/-4.411 χ^2/NDF: 1205320.7/20

Left In: 10459.060+/-1.737 χ^2/NDF:314636.9/22

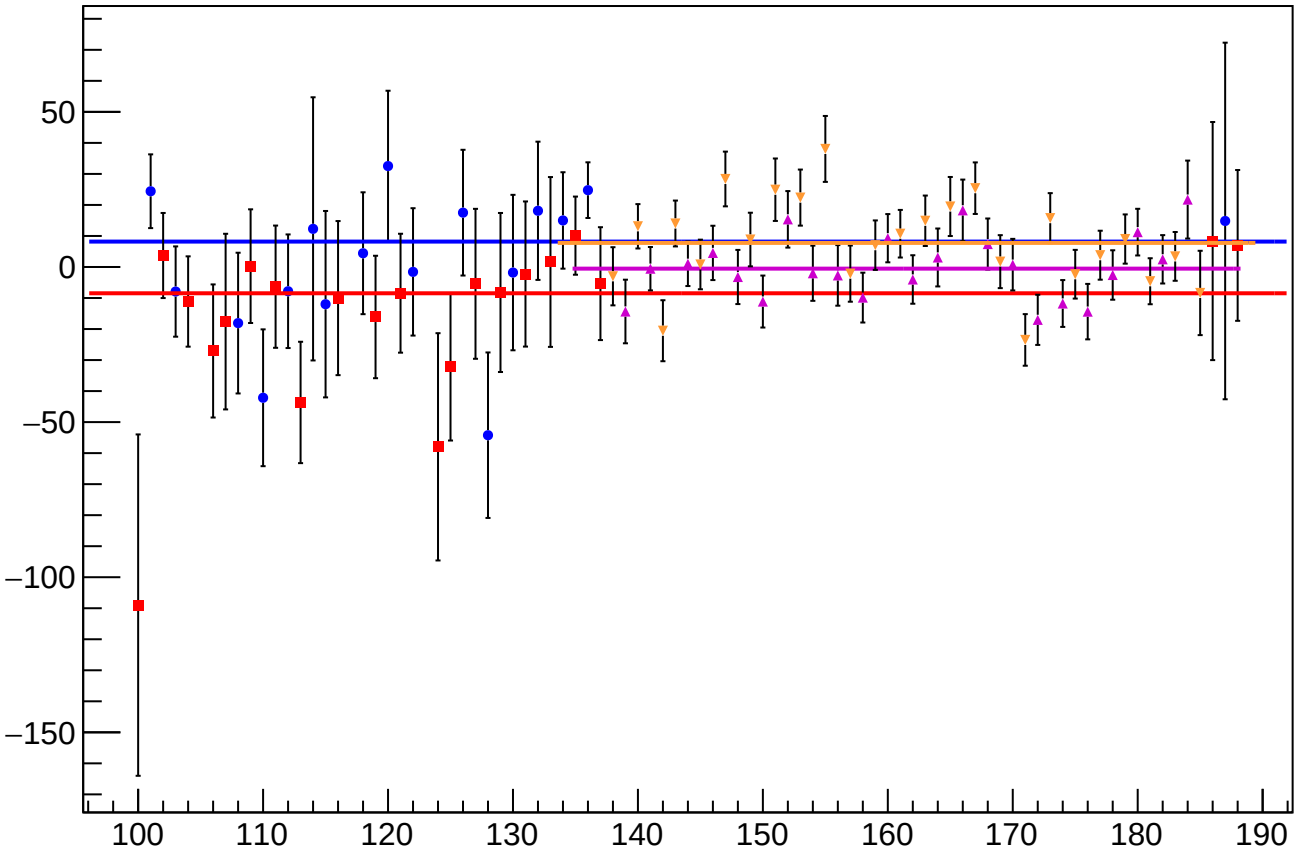
Left: 10406.904+/-1.206 χ^2/NDF: 679454.0/47

Right: 16996.127+/-3.094 χ^2/NDF: 2121031.2/37

In: 11244.908+/-1.613 χ^2/NDF:2634387.2/39

Out: 11306.094+/-1.567 χ^2/NDF:4102795.6/45

All: 11276.389+/-1.124 χ^2/NDF: 6737923.2/8



Right In: 8.189+/-4.410 χ^2/NDF: 21.8/16

Left Out: 7.763+/-1.691 χ^2/NDF:60.9/24

Right Out: -8.473+/-4.495 χ^2/NDF: 14.5/20

Left In: -0.532+/-1.752 χ^2/NDF:29.4/22

Left: 3.761+/-1.217 χ^2/NDF: 102.0/47

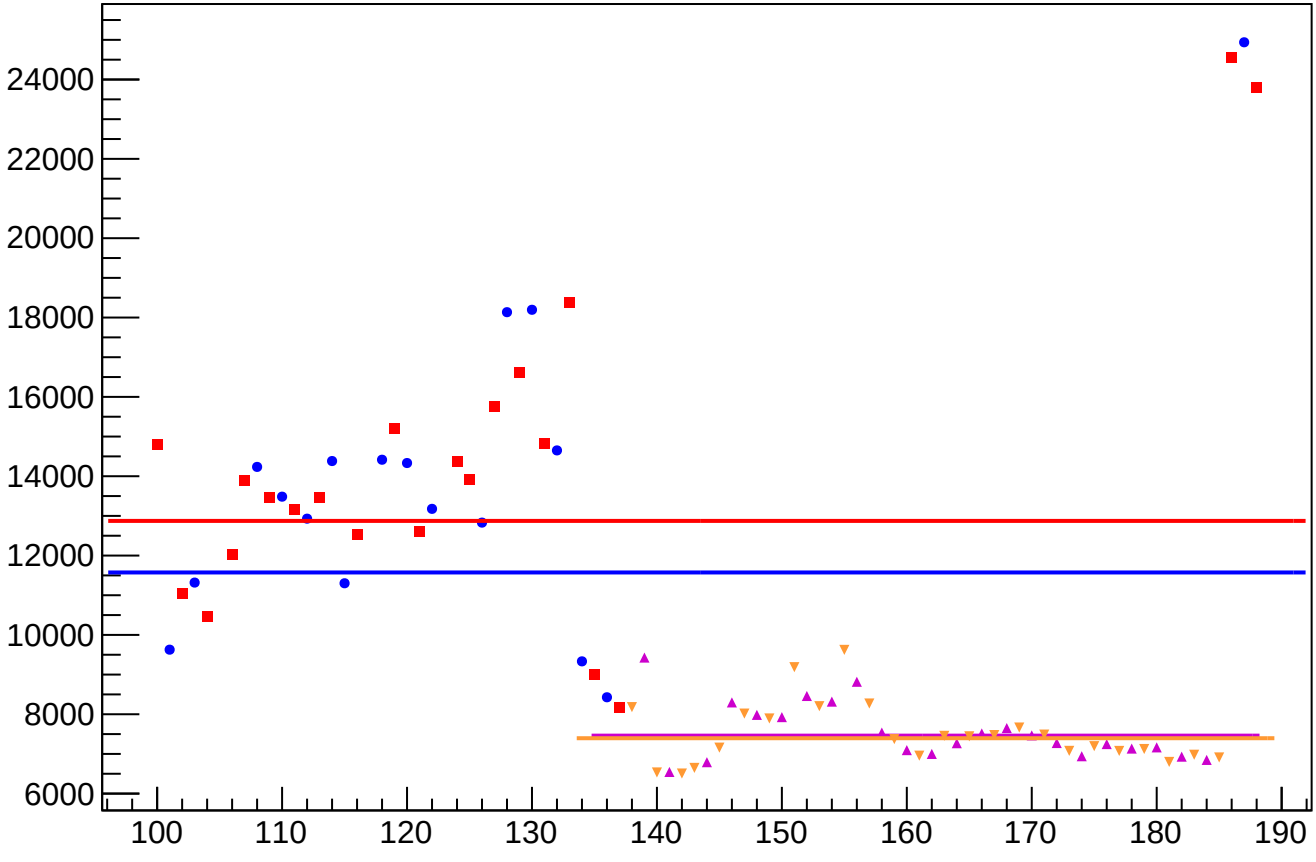
Right: 0.018+/-3.148 χ^2/NDF: 43.3/37

In: 0.657+/-1.628 χ^2/NDF:54.6/39

Out: 5.750+/-1.583 χ^2/NDF:86.9/45

All: 3.275+/-1.135 χ^2/NDF: 146.5/85

diff_bpm4aediffX_rms vs Slug, Sign Corrected



Right In: 11574.110+/-3.118 χ^2/NDF: 898770.6/16

Left Out: 7395.667+/-1.196 χ^2/NDF:324459.4/24

Right Out: 12873.807+/-3.179 χ^2/NDF: 1218510.6/20

Left In: 7460.824+/-1.239 χ^2/NDF:284034.9/22

Left: 7427.101+/-0.860 χ^2/NDF: 609926.1/47

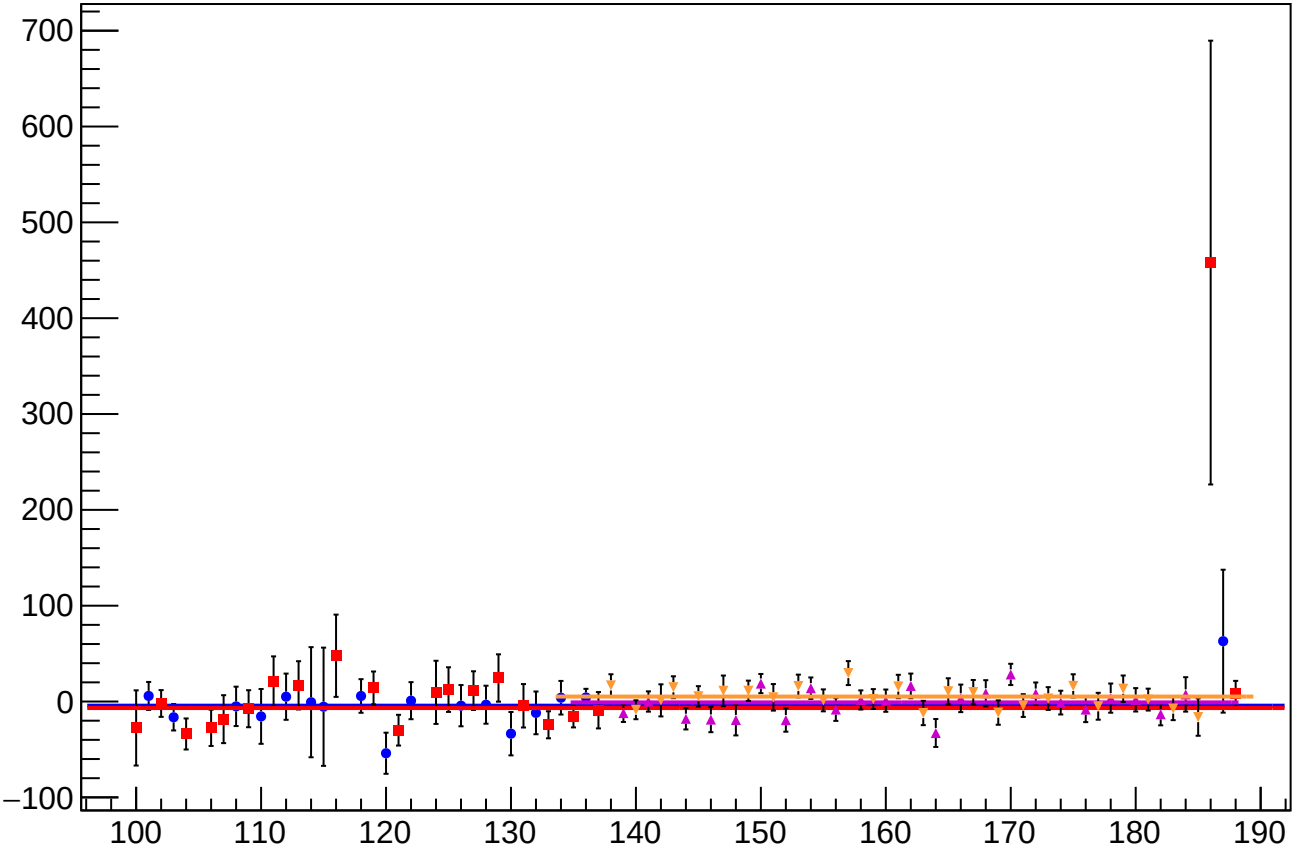
Right: 12211.464+/-2.226 χ^2/NDF: 2202476.7/37

In: 8021.553+/-1.151 χ^2/NDF:2685684.2/39

Out: 8075.053+/-1.119 χ^2/NDF:4144644.9/45

All: 8049.053+/-0.803 χ^2/NDF: 6831439.0/85

diff_bpm4aesumY_mean vs Slug, Sign Corrected



Right In: -4.327+/-4.546 χ^2/NDF: 11.1/16

Left Out: 5.178+/-2.459 χ^2/NDF:18.4/24

Right Out: -6.807+/-4.177 χ^2/NDF: 22.6/20

Left In: -0.891+/-2.519 χ^2/NDF:31.8/22

Left: 2.216+/-1.759 χ^2/NDF: 53.2/47

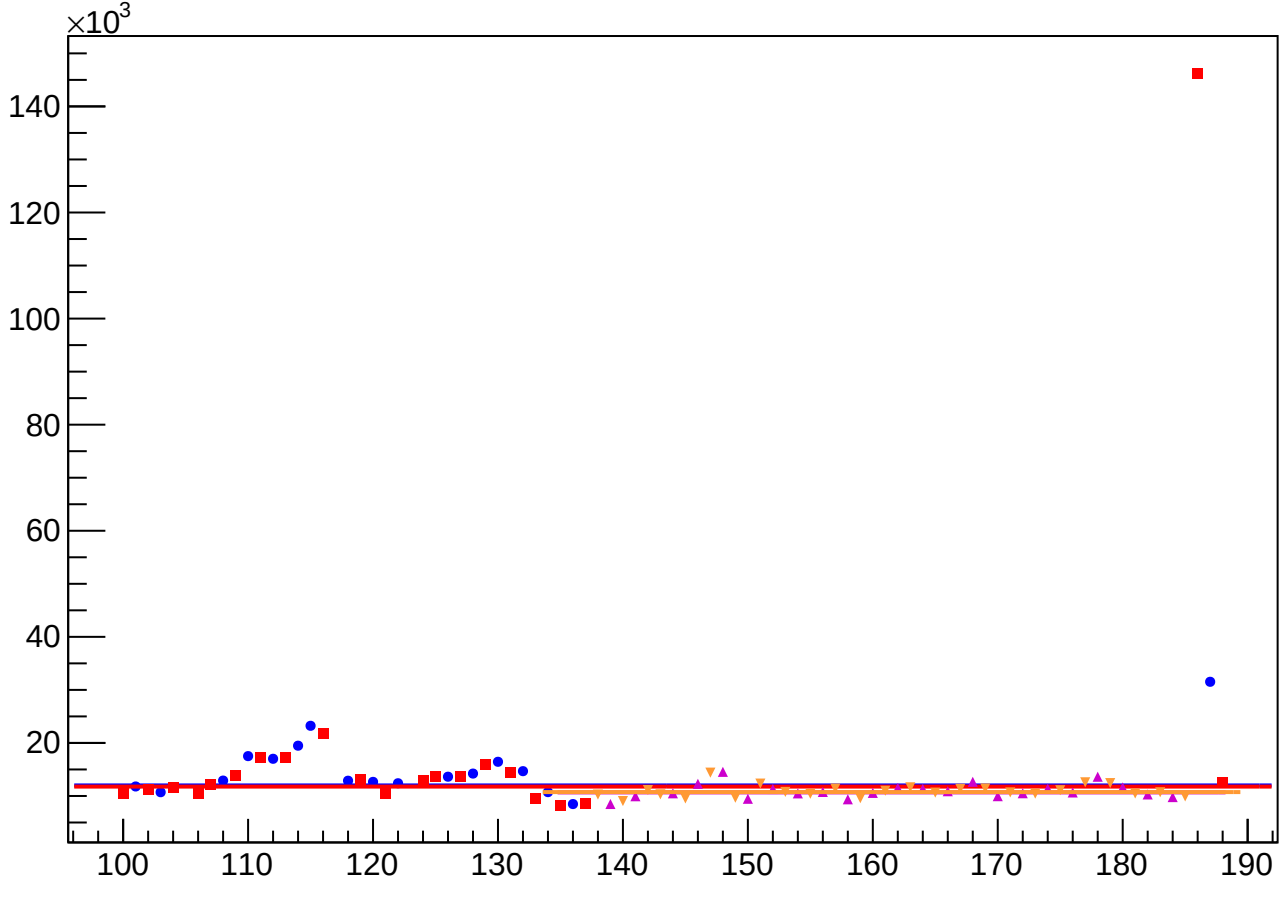
Right: -5.672+/-3.076 χ^2/NDF: 33.8/37

In: -1.698+/-2.203 χ^2/NDF:43.3/39

Out: 2.093+/-2.119 χ^2/NDF:47.1/45

All: 0.271+/-1.527 χ^2/NDF: 91.9/85

diff_bpm4aesumY_rms vs Slug, Sign Corrected



Right In: 11989.239+/-3.214 χ^2/NDF: 887620.8/16

Left Out: 10733.733+/-1.739 χ^2/NDF:368279.7/24

Right Out: 11770.188+/-2.954 χ^2/NDF: 1472095.9/20

Left In: 10677.154+/-1.781 χ^2/NDF:500574.4/22

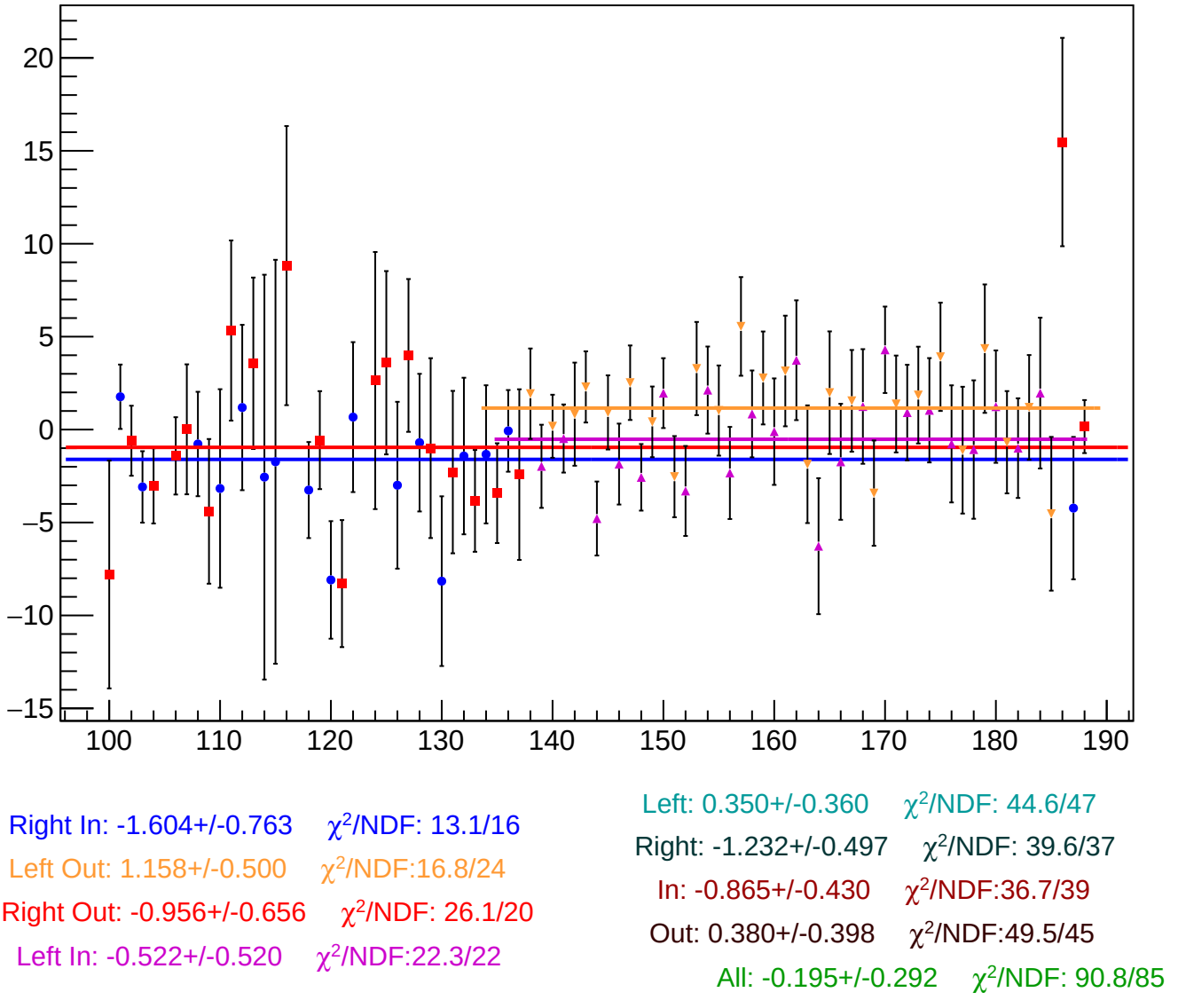
Left: 10706.122+/-1.244 χ^2/NDF: 869370.9/47

Right: 11870.477+/-2.175 χ^2/NDF: 2362234.8/37

In: 10985.332+/-1.558 χ^2/NDF:1515694.1/39

Out: 11000.451+/-1.498 χ^2/NDF:1931823.0/45

All: 10993.185+/-1.080 χ^2/NDF: 3447566.0/8


diff_bpm4aediffY_mean vs Slug, Sign Corrected
20
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10
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−5
−10
−15
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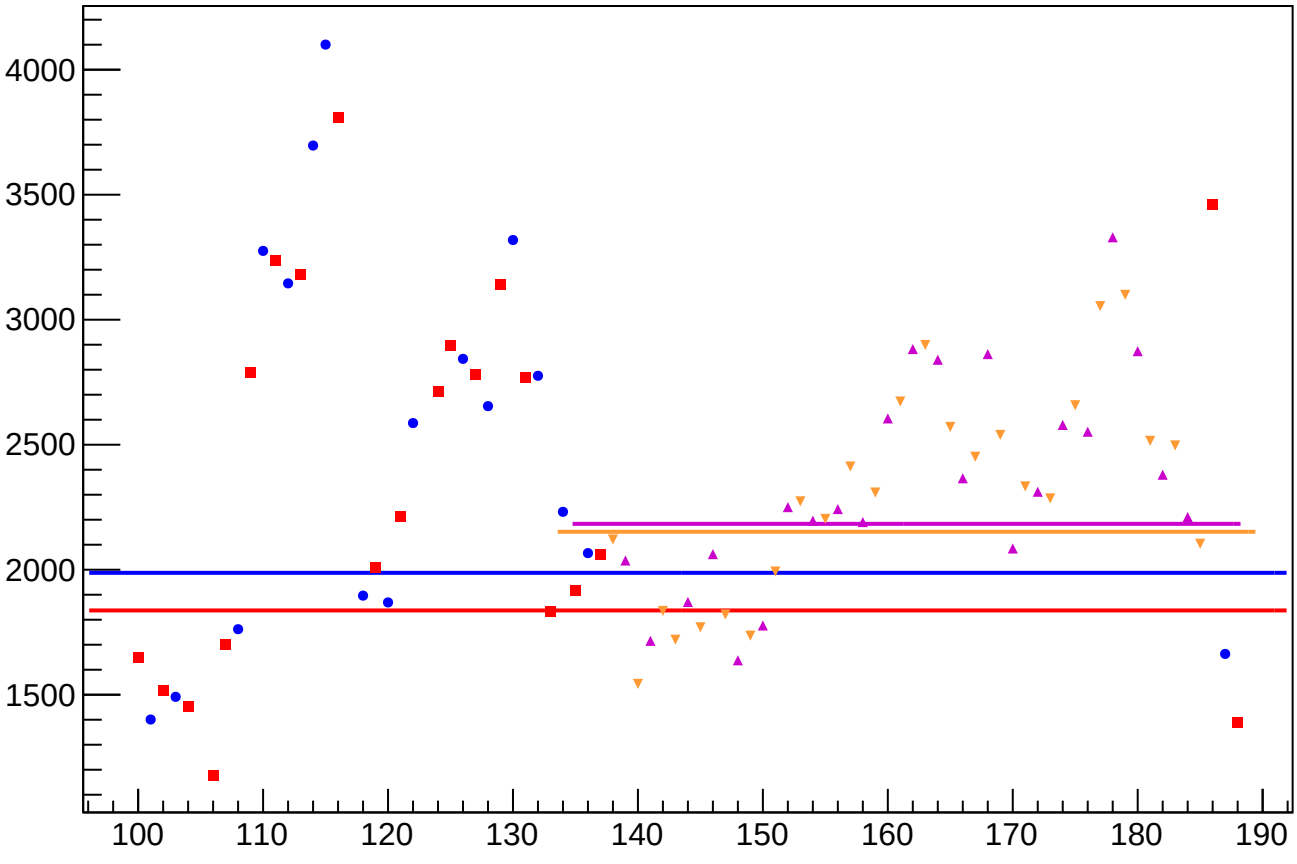
110
120
130
140
150
160
170
180
190
Right In: -1.604+/-0.763 χ²/NDF: 13.1/16
Left Out: 1.158+/-0.500 χ²/NDF:16.8/24
Right Out: -0.956+/-0.656 χ²/NDF: 26.1/20
Left In: -0.522+/-0.520 χ²/NDF:22.3/22
Left: 0.350+/-0.360 χ²/NDF: 44.6/47
Right: -1.232+/-0.497 χ²/NDF: 39.6/37
In: -0.865+/-0.430 χ²/NDF:36.7/39
Out: 0.380+/-0.398 χ²/NDF:49.5/45
All: -0.195+/-0.292 χ²/NDF: 90.8/85



Right In: 1987.608+/-0.539 χ^2/NDF: 1204720.3/16

Left Out: 2151.757+/-0.354 χ^2/NDF:1349537.9/24

Right Out: 1837.128+/-0.464 χ^2/NDF: 1799591.6/20

Left In: 2183.482+/-0.368 χ^2/NDF:1162266.2/22

Left: 2167.006+/-0.255 χ^2/NDF: 2515672.1/47

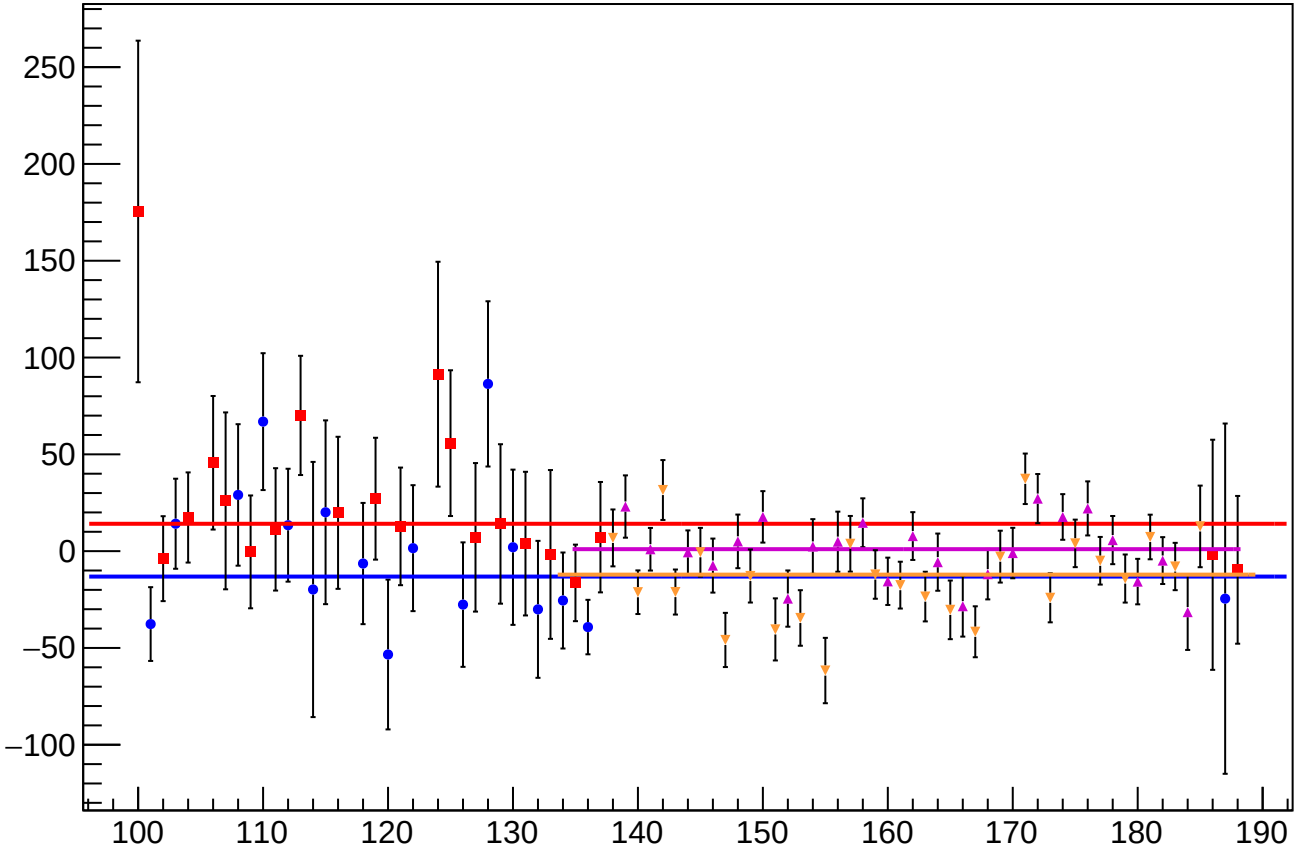
Right: 1901.063+/-0.352 χ^2/NDF: 3049092.5/37

In: 2121.343+/-0.304 χ^2/NDF:2457058.2/39

Out: 2035.993+/-0.281 χ^2/NDF:3440354.0/45

All: 2075.377+/-0.206 χ^2/NDF: 5939934.8/85

diff_bpmtargetsumX_mean vs Slug, Sign Corrected



Right In: -13.135+/-7.005 χ^2/NDF: 21.9/16

Left Out: -12.135+/-2.661 χ^2/NDF:62.6/24

Right Out: 14.134+/-7.138 χ^2/NDF: 14.8/20

Left In: 1.024+/-2.758 χ^2/NDF:28.8/22

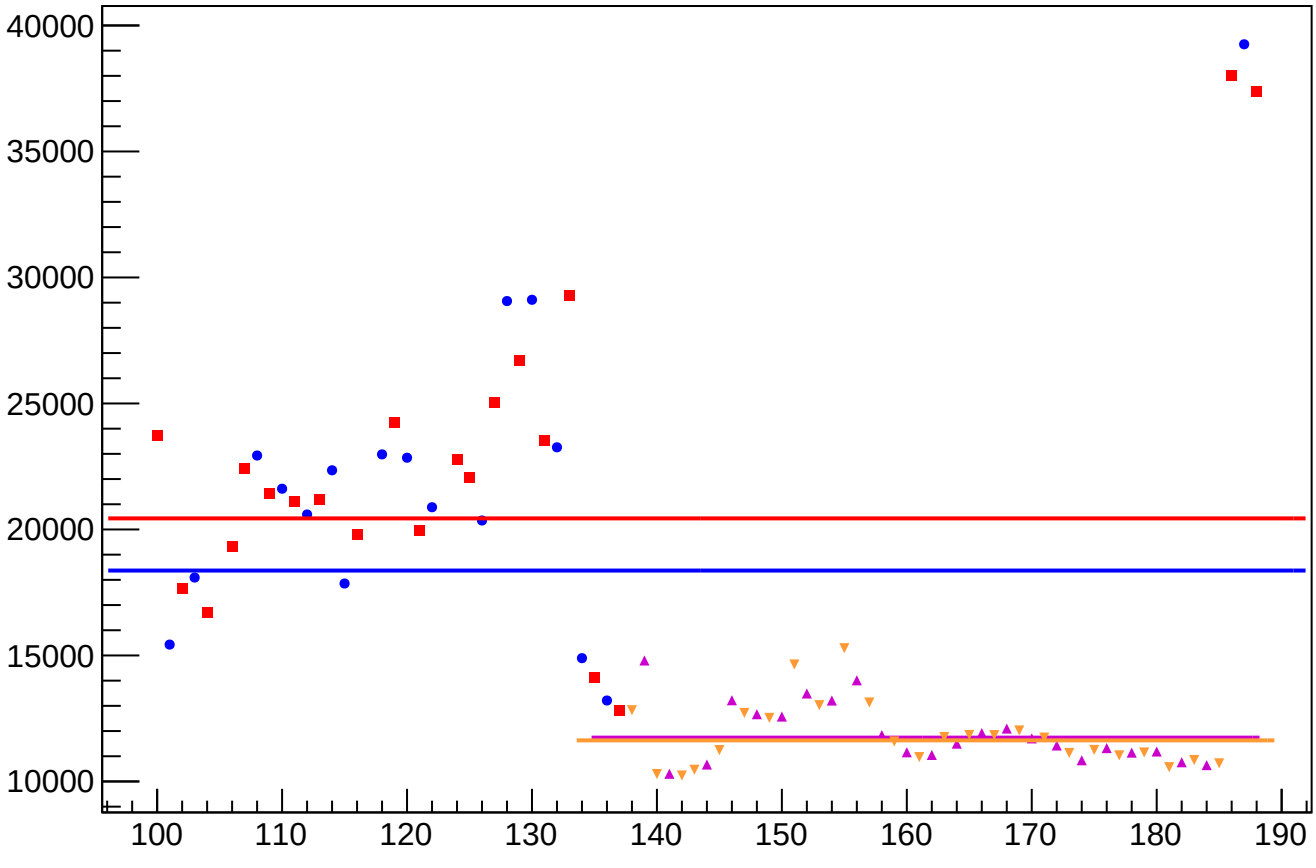
Left: -5.790+/-1.915 χ^2/NDF: 103.2/47

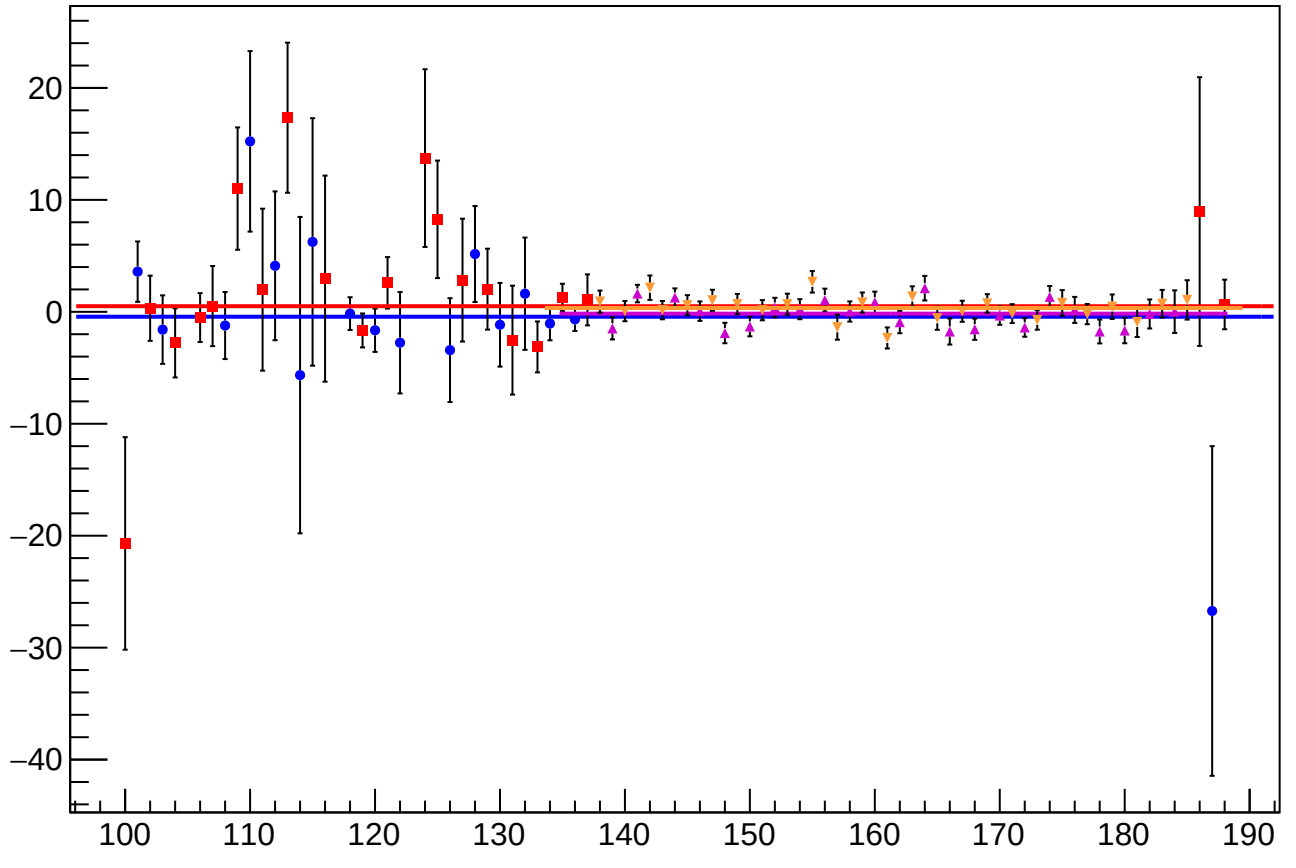
Right: 0.245+/-5.000 χ^2/NDF: 44.1/37

In: -0.876+/-2.566 χ^2/NDF:54.2/39

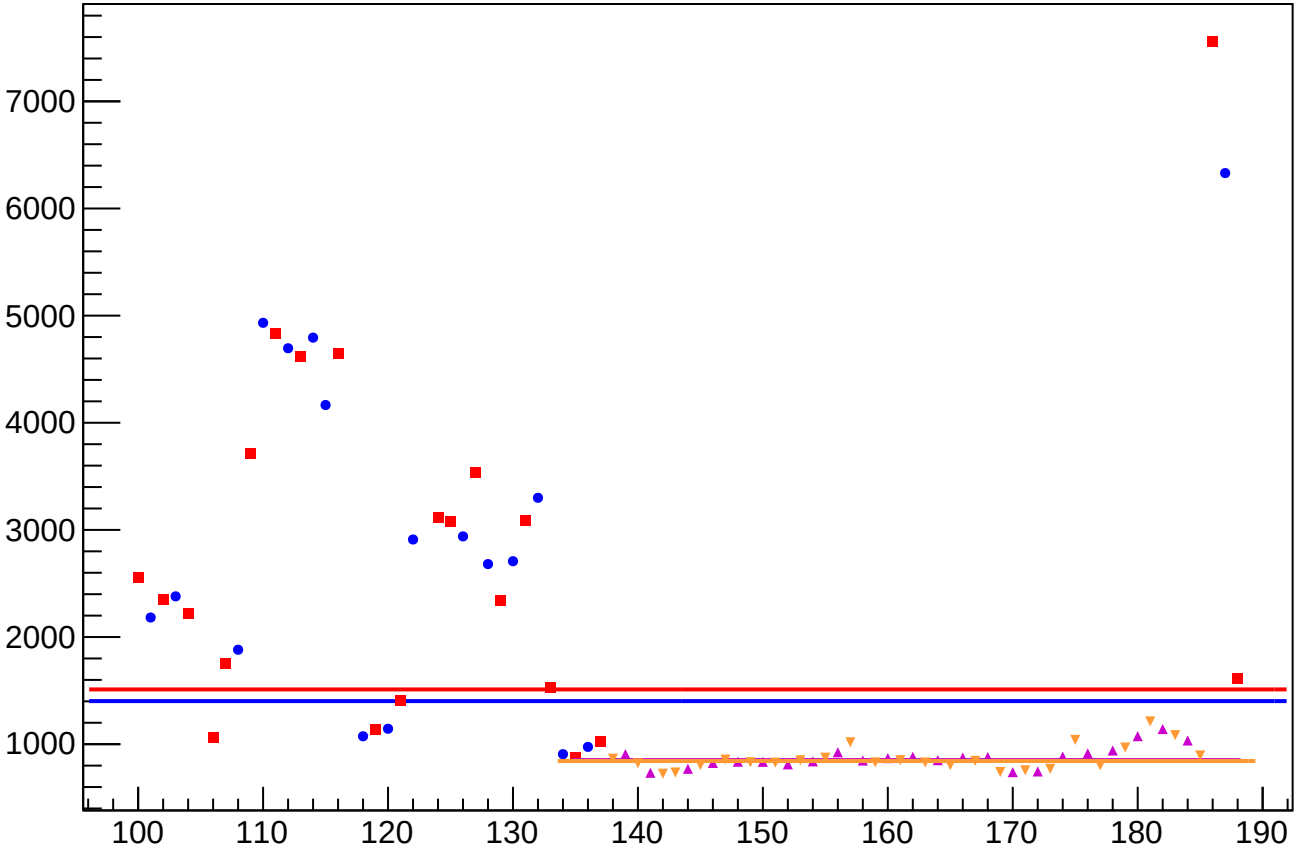
Out: -8.929+/-2.493 χ^2/NDF:89.4/45

All: -5.018+/-1.788 χ^2/NDF: 148.6/85


diff_bpmtargetsumX_rms vs Slug, Sign Corrected
40000
35000
30000
25000
20000
15000
10000
100
110
120
130
140
150
160
170
180
190
Right In: 18369.336+/-4.953 χ²/NDF: 927065.8/16
Left Out: 11630.201+/-1.882 χ²/NDF:356022.1/24
Right Out: 20438.905+/-5.047 χ²/NDF: 1220811.0/20
Left In: 11738.371+/-1.950 χ²/NDF:313542.0/22
Left: 11682.361+/-1.354 χ²/NDF: 671157.6/47
Right: 19384.769+/-3.535 χ²/NDF: 2233523.3/37
In: 12628.004+/-1.814 χ²/NDF:2792165.3/39
Out: 12705.204+/-1.763 χ²/NDF:4251273.8/45
All: 12667.710+/-1.264 χ²/NDF: 7044370.2/8


diff_bpmtargetdiffX_mean vs Slug, Sign Corrected
20
10
0
−10
−20
−30
−40
100
110
120
130
140
150
160
170
180
190
Right In: -0.438+/-0.600 χ²/NDF: 13.6/16
Left Out: 0.343+/-0.194 χ²/NDF:26.8/24
Right Out: 0.501+/-0.609 χ²/NDF: 28.6/20
Left In: -0.165+/-0.201 χ²/NDF:36.3/22
Left: 0.098+/-0.139 χ²/NDF: 66.4/47
Right: 0.024+/-0.427 χ²/NDF: 43.4/37
In: -0.193+/-0.190 χ²/NDF:50.1/39
Out: 0.357+/-0.185 χ²/NDF:55.4/45
All: 0.091+/-0.133 χ²/NDF: 109.8/85

diff_bpmtargetdiffX_rms vs Slug, Sign Corrected



Right In: 1402.100+/-0.424 χ^2/NDF: 3605474.1/16

Left Out: 843.266+/-0.137 χ^2/NDF:505106.4/24

Right Out: 1511.191+/-0.430 χ^2/NDF: 3913723.3/20

Left In: 851.618+/-0.142 χ^2/NDF:382555.6/22

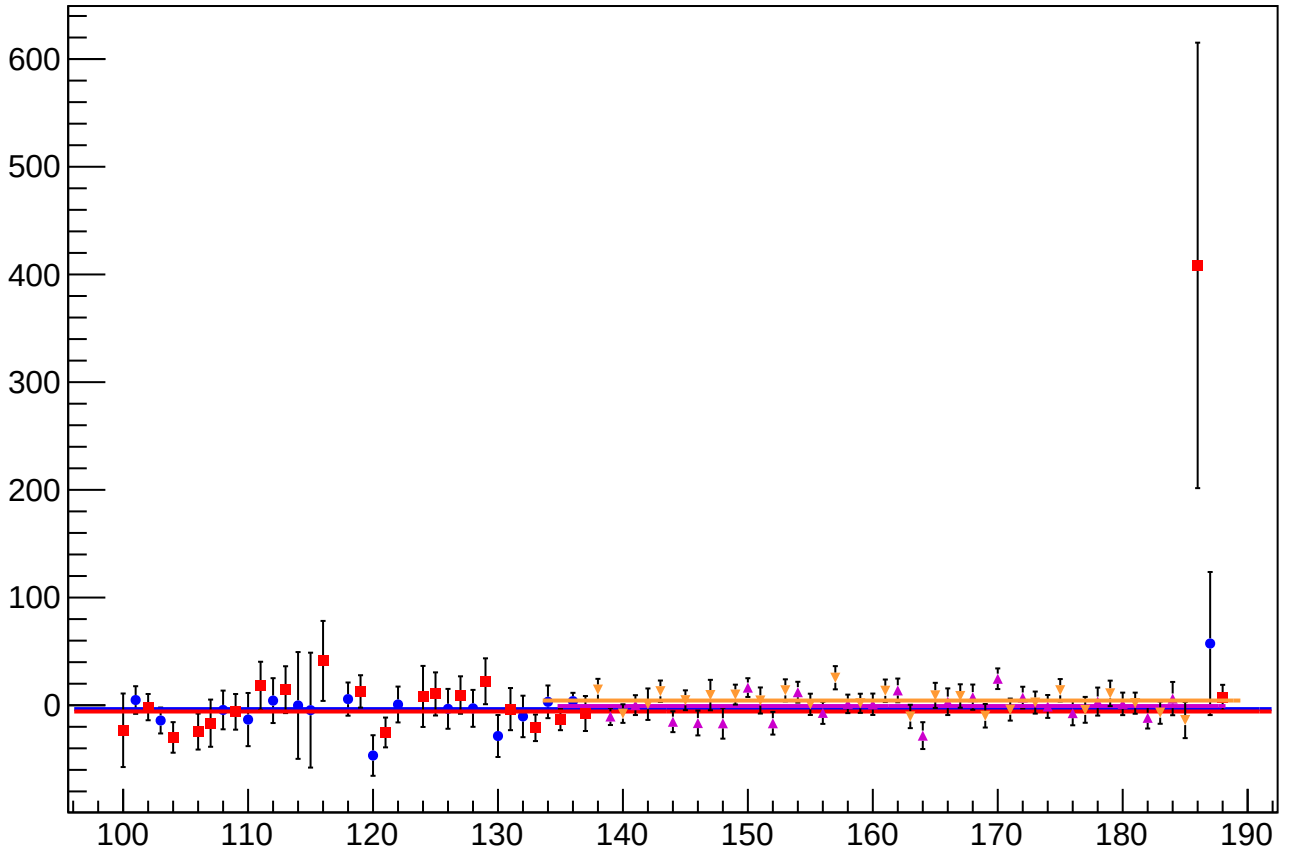
Left: 847.291+/-0.099 χ^2/NDF: 889453.1/47

Right: 1455.832+/-0.302 χ^2/NDF: 7551801.7/37

In: 907.158+/-0.135 χ^2/NDF:5503523.2/39

Out: 904.726+/-0.131 χ^2/NDF:6605739.8/45

All: 905.904+/-0.094 χ^2/NDF: 12109431.1/85



Right In: -3.580+/-3.936 χ^2/NDF: 10.9/16

Left Out: 4.383+/-2.122 χ^2/NDF:18.6/24

Right Out: -5.808+/-3.626 χ^2/NDF: 22.6/20

Left In: -0.734+/-2.171 χ^2/NDF:32.0/22

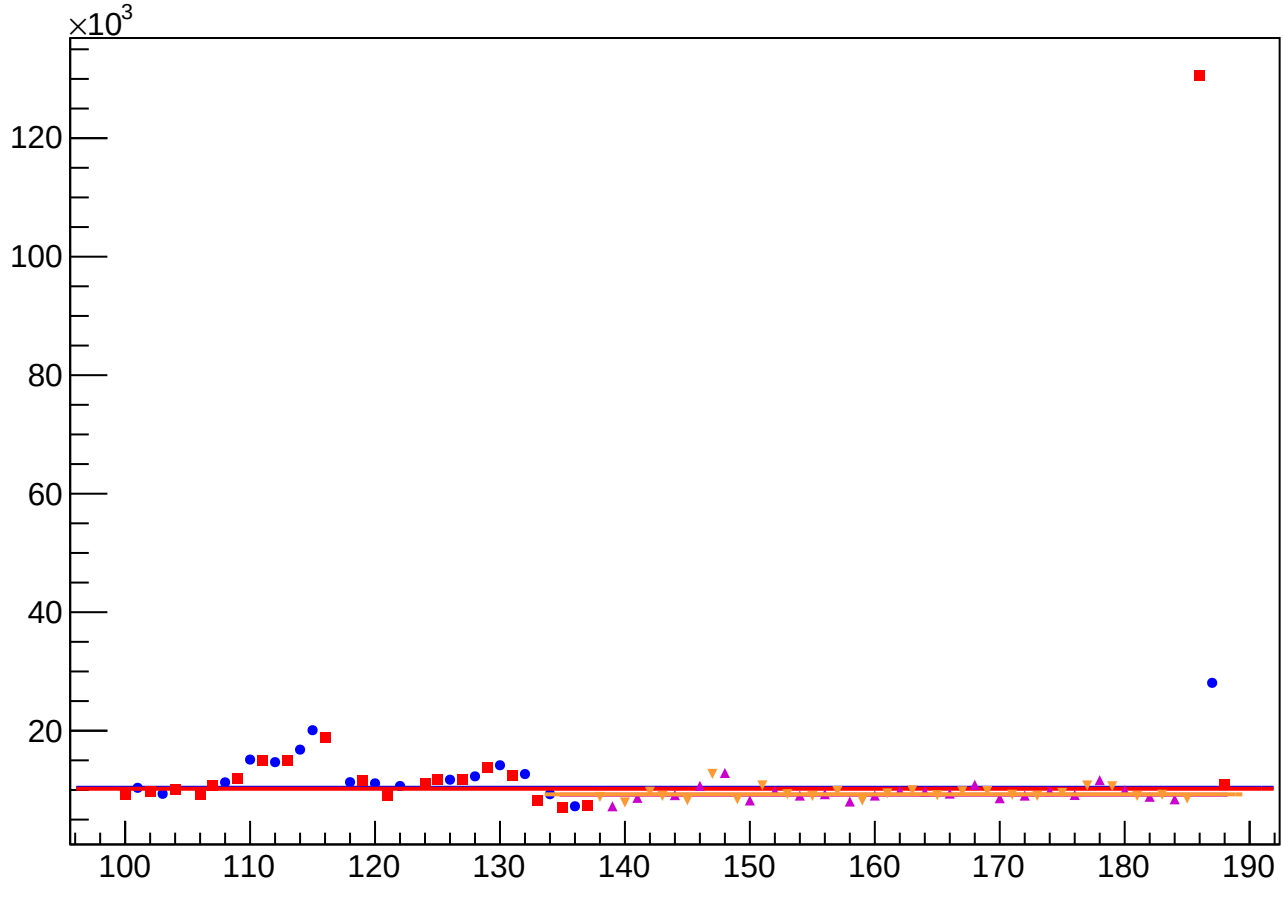
Left: 1.883+/-1.517 χ^2/NDF: 53.4/47

Right: -4.785+/-2.667 χ^2/NDF: 33.7/37

In: -1.398+/-1.901 χ^2/NDF:43.3/39

Out: 1.783+/-1.831 χ^2/NDF:47.1/45

All: 0.252+/-1.319 χ^2/NDF: 91.8/85



Right In: 10372.341+/-2.783 χ^2/NDF: 913076.2/16

Left Out: 9261.542+/-1.500 χ^2/NDF:366072.4/24

Right Out: 10207.226+/-2.564 χ^2/NDF: 1480123.9/20

Left In: 9199.542+/-1.535 χ^2/NDF:515496.8/22

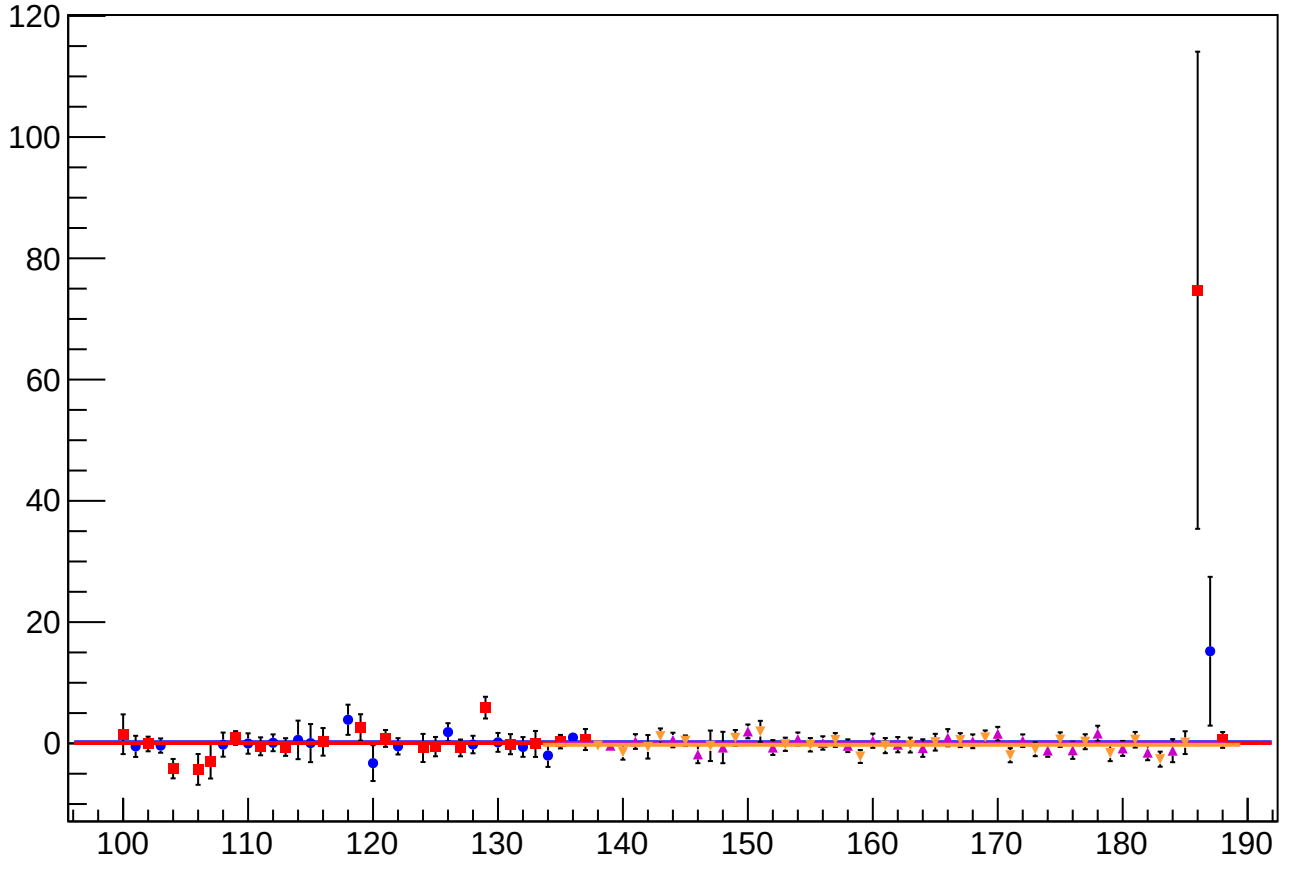
Left: 9231.249+/-1.073 χ^2/NDF: 882403.7/47

Right: 10283.012+/-1.886 χ^2/NDF: 2395104.0/37

In: 9473.023+/-1.344 χ^2/NDF:1564723.8/39

Out: 9502.783+/-1.295 χ^2/NDF:1947560.5/45

All: 9488.458+/-0.932 χ^2/NDF: 3512538.6/85



Right In: 0.180+/-0.386 χ^2/NDF: 9.6/16

Left Out: -0.229+/-0.243 χ^2/NDF:19.0/24

Right Out: 0.065+/-0.358 χ^2/NDF: 28.9/20

Left In: -0.025+/-0.239 χ^2/NDF:15.2/22

Left: -0.125+/-0.171 χ^2/NDF: 34.6/47

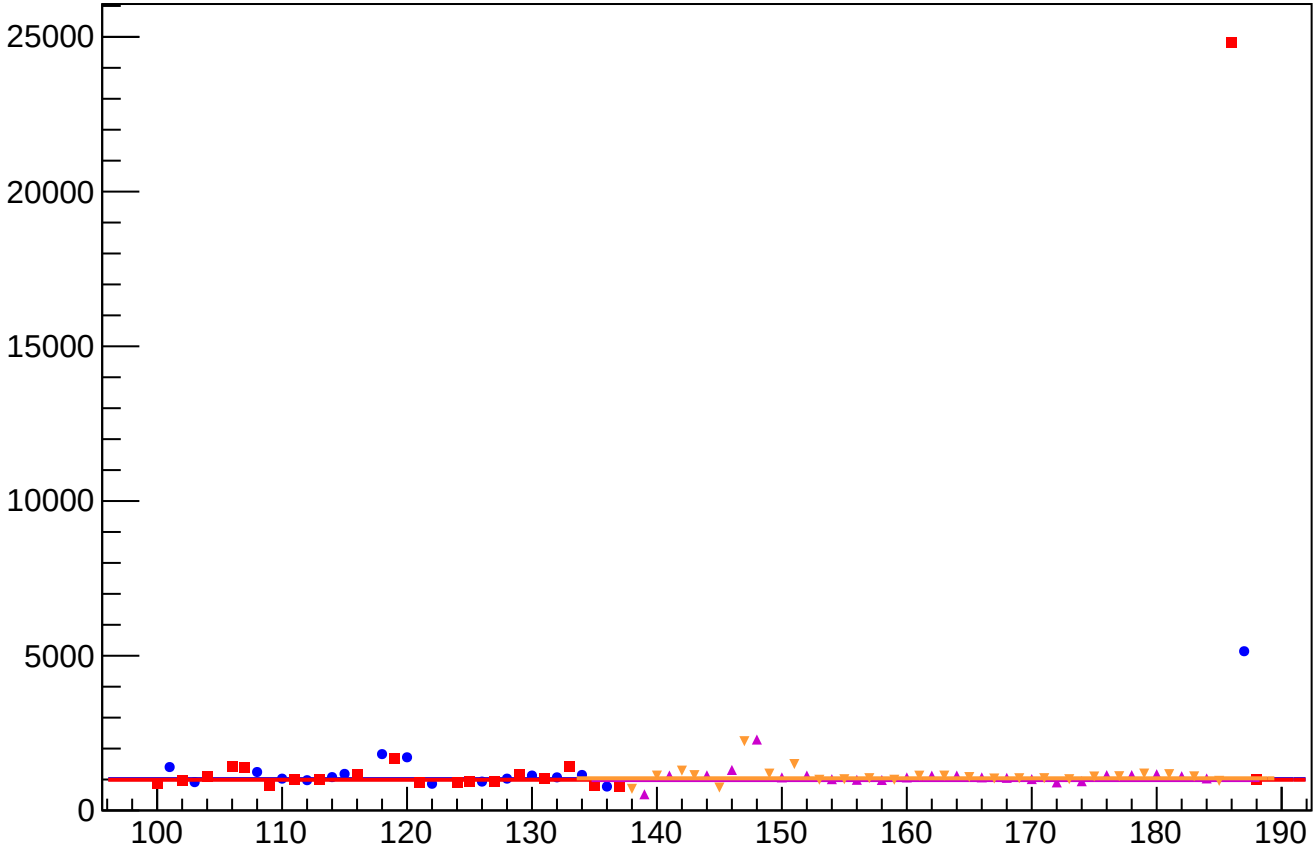
Right: 0.118+/-0.263 χ^2/NDF: 38.6/37

In: 0.032+/-0.203 χ^2/NDF:25.1/39

Out: -0.136+/-0.201 χ^2/NDF:48.4/45

All: -0.053+/-0.143 χ^2/NDF: 73.8/85

diff_bpmtargetdiffY_rms vs Slug, Sign Corrected



Right In: 1013.318+/-0.273 χ^2/NDF: 926400.7/16

Left Out: 1039.424+/-0.172 χ^2/NDF:1339748.9/24

Right Out: 992.262+/-0.253 χ^2/NDF: 1309455.5/20

Left In: 981.677+/-0.169 χ^2/NDF:2225094.5/22

Left: 1010.035+/-0.121 χ^2/NDF: 3622132.3/47

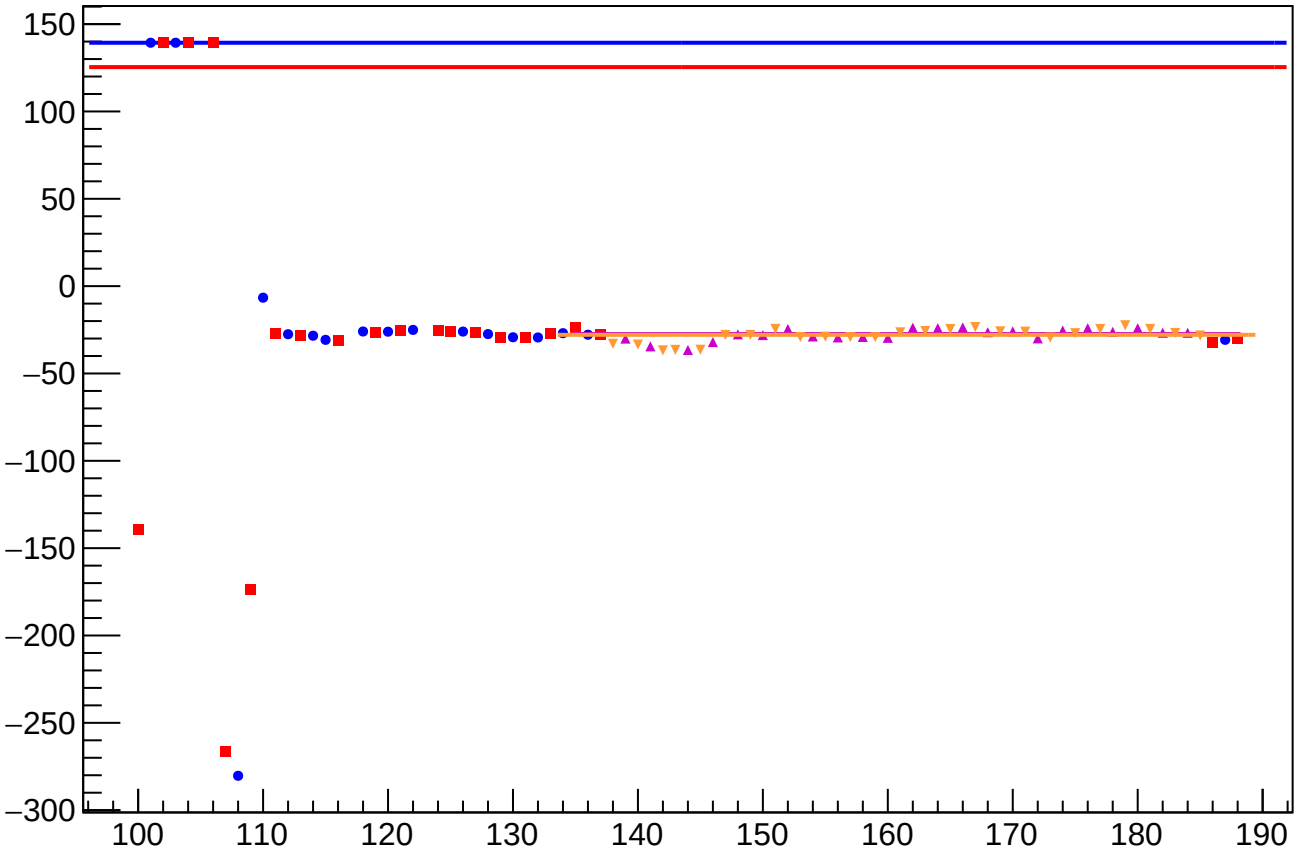
Right: 1001.996+/-0.186 χ^2/NDF: 2239054.4/37

In: 990.447+/-0.144 χ^2/NDF:3161203.0/39

Out: 1024.515+/-0.142 χ^2/NDF:2672940.3/45

All: 1007.649+/-0.101 χ^2/NDF: 5862505.4/85

yield_cav4bX_mean vs Slug, Sign Corrected



Right In: 139.337+/-0.000 χ^2/NDF: 47418693499.1/16

Left Out: -27.865+/-0.000 χ^2/NDF:181586557.6/24

Right Out: 125.392+/-0.000 χ^2/NDF: 774175671459287.8/20

Left In: -27.427+/-0.000 χ^2/NDF:123181562.3/22

Left: -27.654+/-0.000 χ^2/NDF: 305673778.0/47

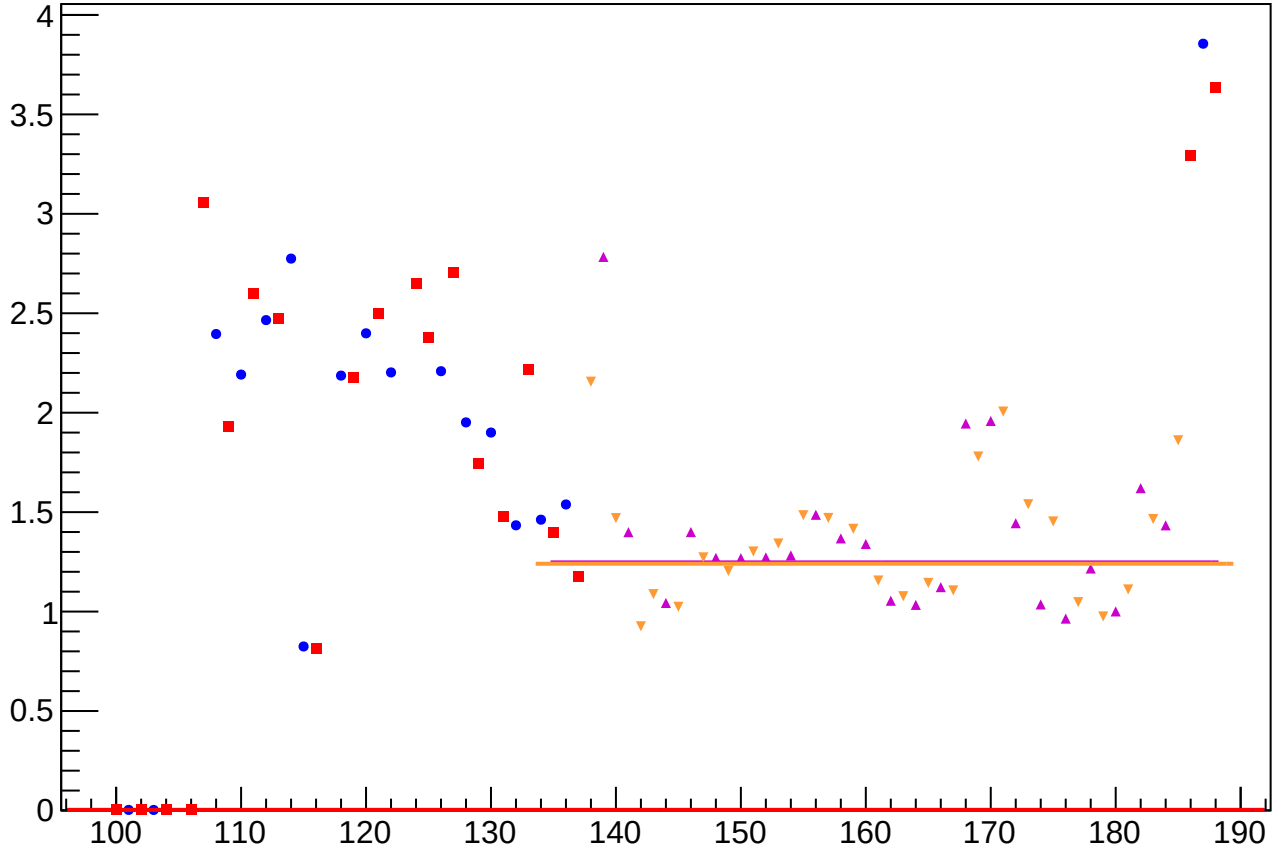
Right: 131.818+/-0.000 χ^2/NDF: 793008067152878

In: 139.328+/-0.000 χ^2/NDF:301818539872.2/39

Out: 125.384+/-0.000 χ^2/NDF:774406360404314.

All: 131.810+/-0.000 χ^2/NDF: 79349048150

yield_cav4bX_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 9905001.9/16

Left Out: 1.241+/-0.000 χ^2/NDF:1221248.2/24

Right Out: 0.003+/-0.000 χ^2/NDF: 12319601.1/20

Left In: 1.247+/-0.000 χ^2/NDF:1436411.6/22

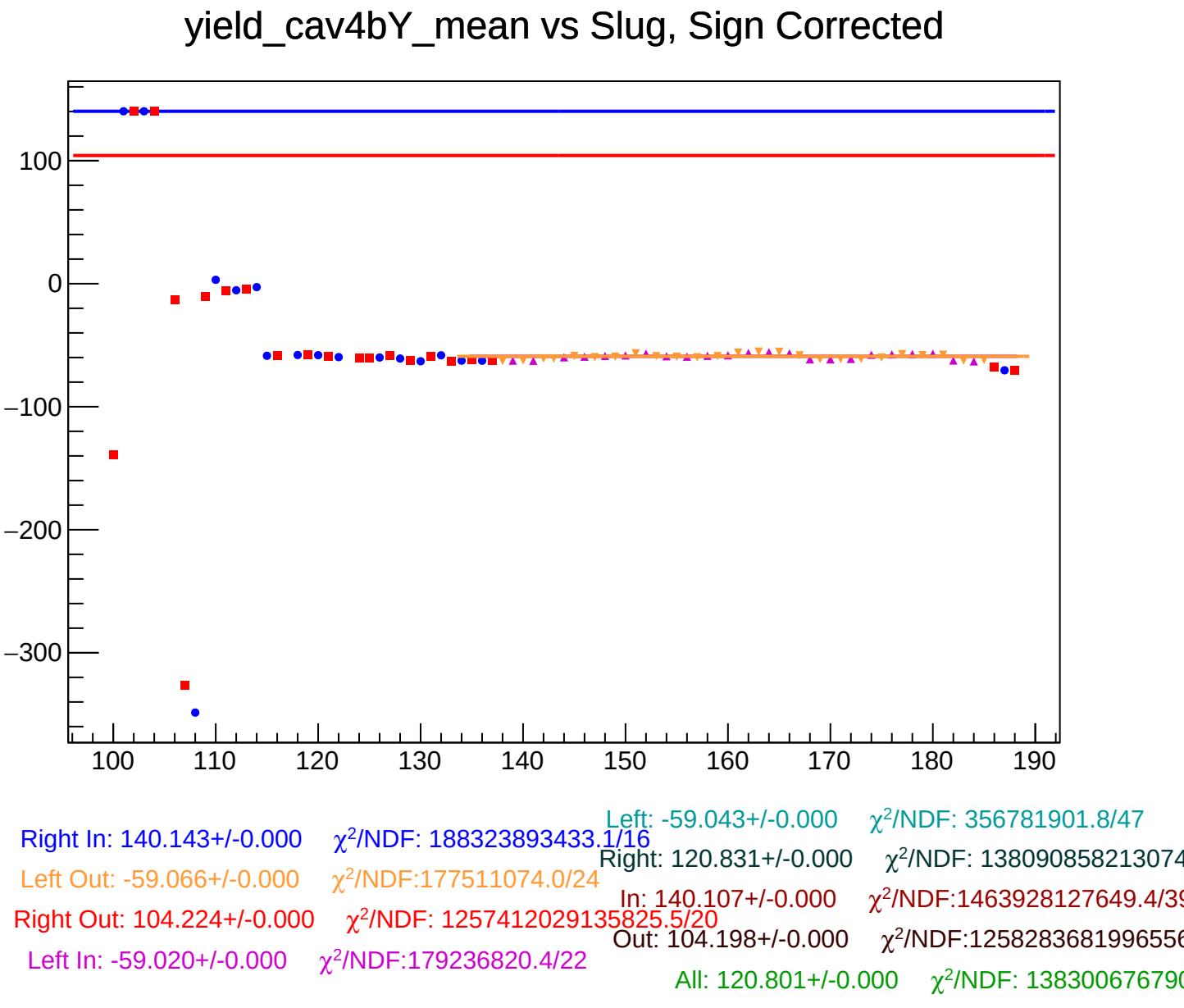
Left: 1.244+/-0.000 χ^2/NDF: 2658093.9/47

Right: 0.003+/-0.000 χ^2/NDF: 22224769.0/37

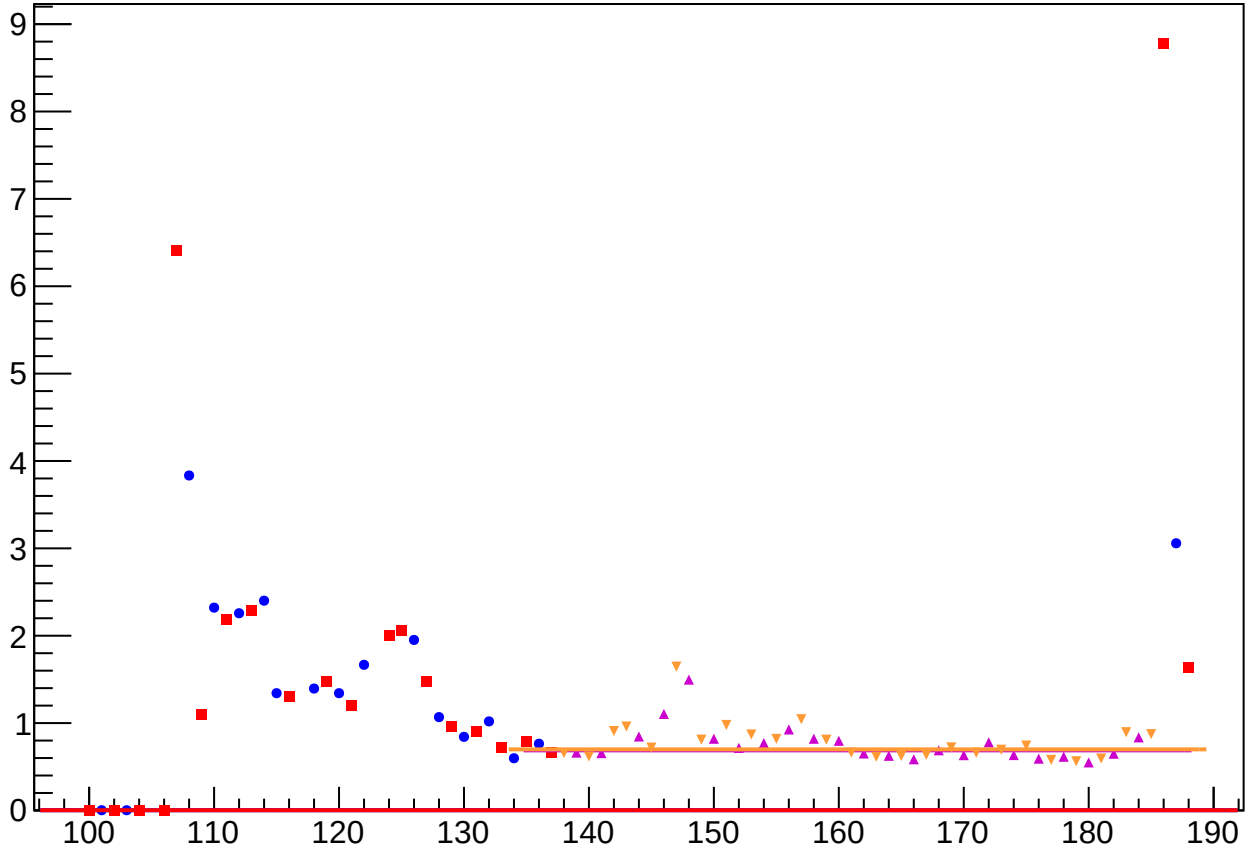
In: 0.003+/-0.000 χ^2/NDF:39670755.3/39

Out: 0.003+/-0.000 χ^2/NDF:43619908.4/45

All: 0.003+/-0.000 χ^2/NDF: 83290898.7/85


yield_cav4bY_mean vs Slug, Sign Corrected
100
0
−100
−200
−300
100
110
120
130
140
150
160
170
180
190
Right In: 140.143+/-0.000 χ²/NDF: 188323893433.1/16
Left Out: -59.066+/-0.000 χ²/NDF:177511074.0/24
Right Out: 104.224+/-0.000 χ²/NDF: 1257412029135825.5/20
Left In: -59.020+/-0.000 χ²/NDF:179236820.4/22
Left: -59.043+/-0.000 χ²/NDF: 356781901.8/47
Right: 120.831+/-0.000 χ²/NDF: 138090858213074
In: 140.107+/-0.000 χ²/NDF:1463928127649.4/39
Out: 104.198+/-0.000 χ²/NDF:125828368199656
All: 120.801+/-0.000 χ²/NDF: 13830067679

yield_cav4bY_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 10941922.3/16

Left Out: 0.699+/-0.000 χ^2/NDF:1357196.3/24

Right Out: 0.003+/-0.000 χ^2/NDF: 12802378.2/20

Left In: 0.688+/-0.000 χ^2/NDF:1107767.8/22

Left: 0.694+/-0.000 χ^2/NDF: 2468947.3/47

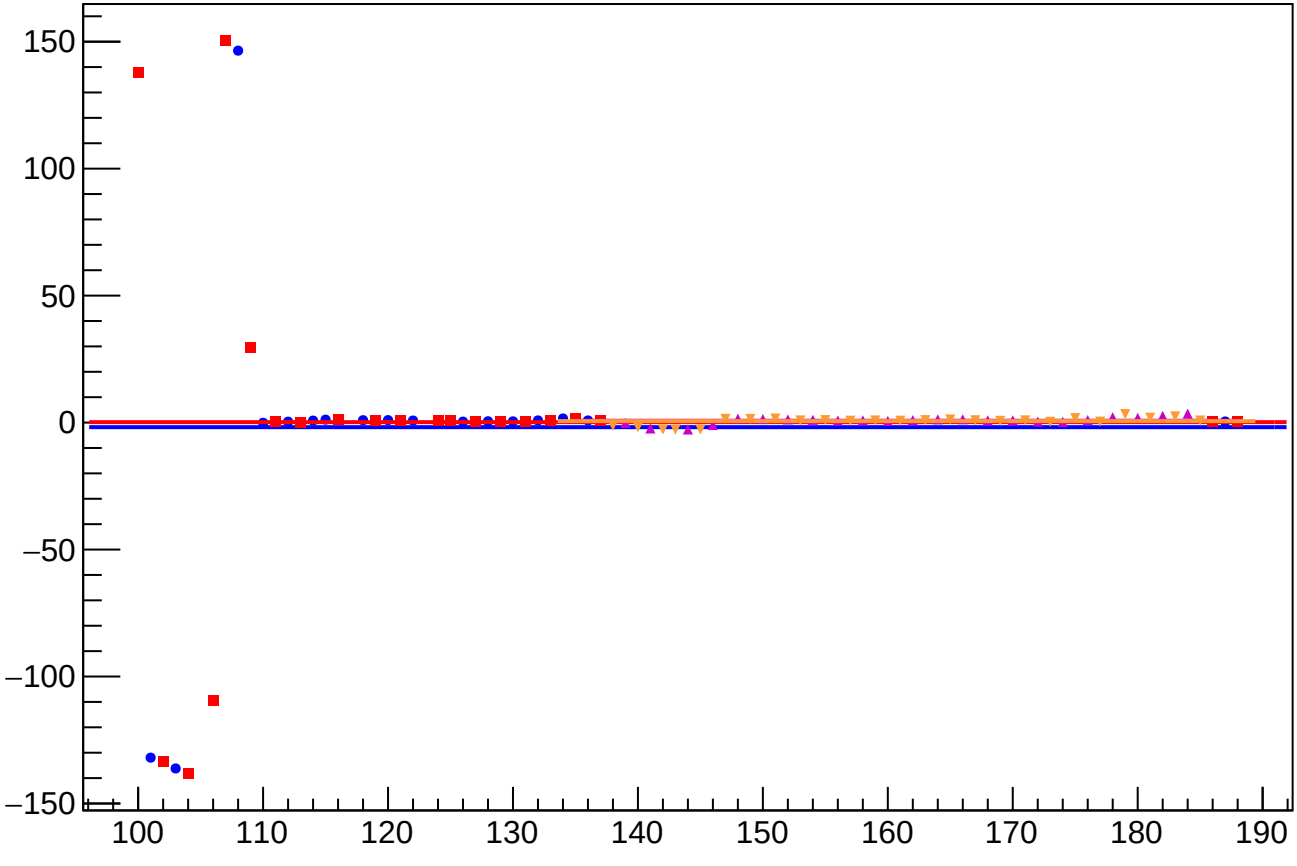
Right: 0.003+/-0.000 χ^2/NDF: 23744477.4/37

In: 0.003+/-0.000 χ^2/NDF:42248793.4/39

Out: 0.003+/-0.000 χ^2/NDF:45860307.2/45

All: 0.003+/-0.000 χ^2/NDF: 88109475.1/85

yield_cav4cX_mean vs Slug, Sign Corrected



Right In: -1.804+/-0.000 χ^2/NDF: 9887686836.5/16

Left Out: 0.575+/-0.000 χ^2/NDF:154364809.1/24

Right Out: 0.175+/-0.000 χ^2/NDF: 3611269860.8/20

Left In: 0.732+/-0.000 χ^2/NDF:105135095.8/22

Left: 0.650+/-0.000 χ^2/NDF: 260223435.2/47

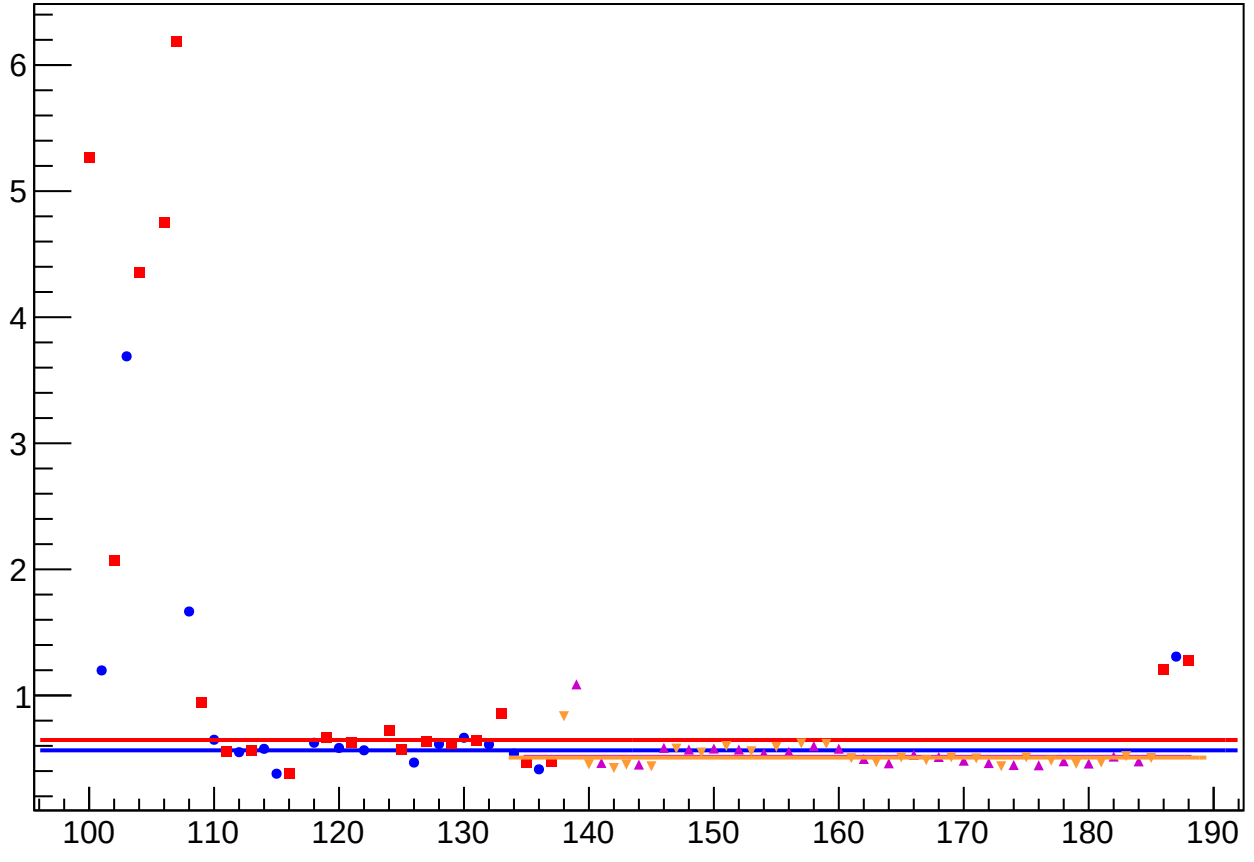
Right: -0.880+/-0.000 χ^2/NDF: 13528617345.8/37

In: 0.163+/-0.000 χ^2/NDF:10073770862.1/39

Out: 0.499+/-0.000 χ^2/NDF:3767474901.8/45

All: 0.334+/-0.000 χ^2/NDF: 13845416874.7/8

yield_cav4cX_rms vs Slug, Sign Corrected



Right In: 0.564+/-0.000 χ^2/NDF: 1711187.4/16

Left Out: 0.507+/-0.000 χ^2/NDF:554639.8/24

Right Out: 0.646+/-0.000 χ^2/NDF: 3118628.6/20

Left In: 0.513+/-0.000 χ^2/NDF:753419.6/22

Left: 0.510+/-0.000 χ^2/NDF: 1310004.6/47

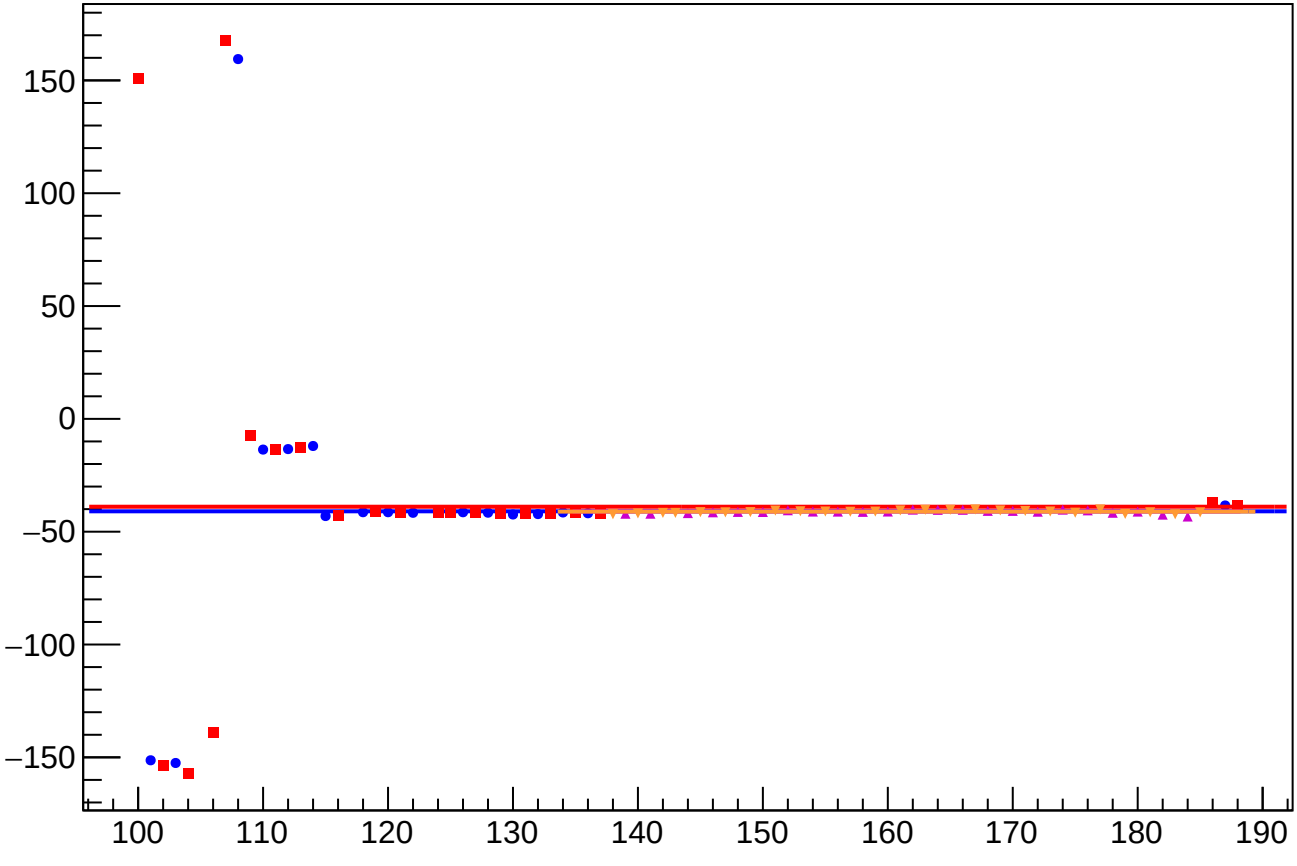
Right: 0.603+/-0.000 χ^2/NDF: 4931606.1/37

In: 0.524+/-0.000 χ^2/NDF:2531844.1/39

Out: 0.533+/-0.000 χ^2/NDF:4120973.9/45

All: 0.529+/-0.000 χ^2/NDF: 6658773.7/85

yield_cav4cY_mean vs Slug, Sign Corrected



Right In: -40.966+/-0.000 χ^2/NDF: 3450639244.5/16

Left Out: -41.092+/-0.000 χ^2/NDF:60251030.2/24

Right Out: -38.931+/-0.000 χ^2/NDF: 2483039654.6/20

Left In: -41.029+/-0.000 χ^2/NDF:51382147.2/22

Left: -41.062+/-0.000 χ^2/NDF: 111932061.5/47

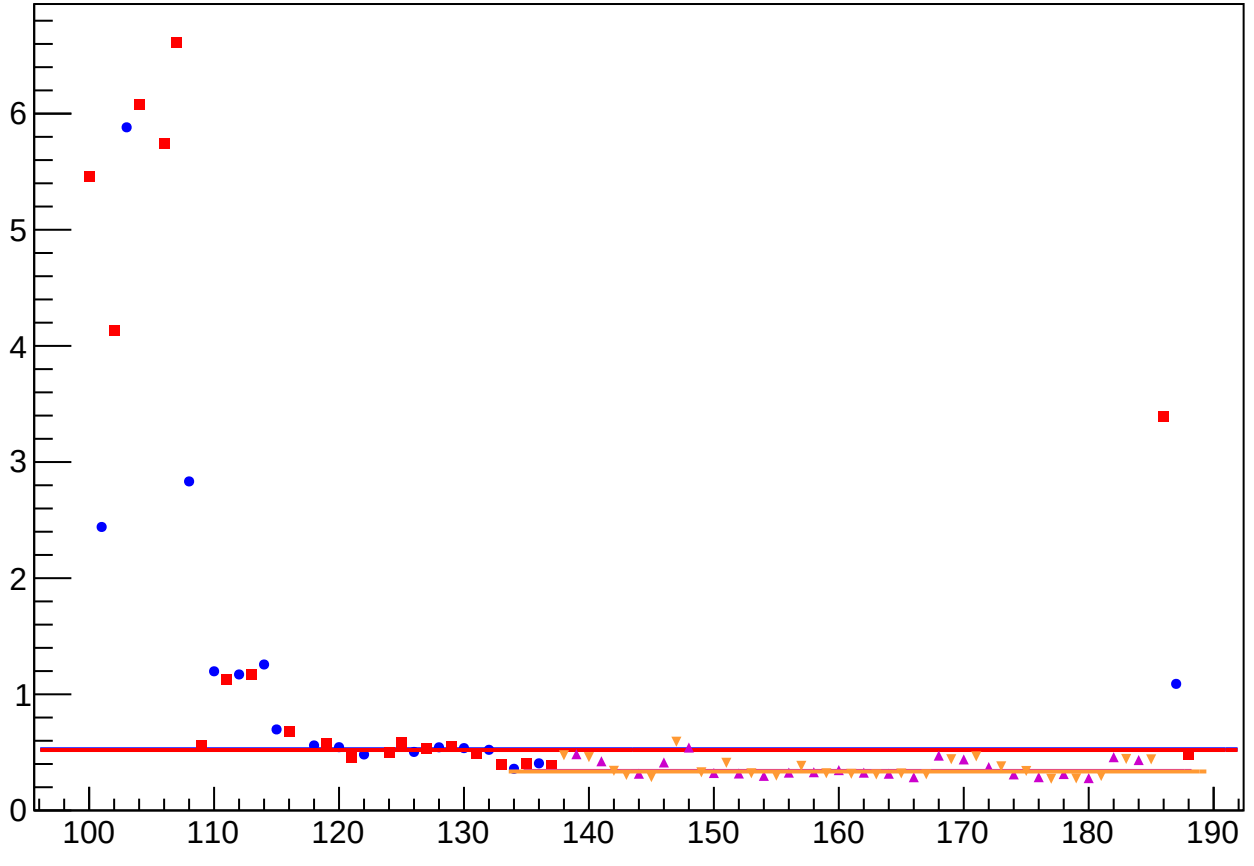
Right: -39.867+/-0.000 χ^2/NDF: 5975256589.5/37

In: -41.022+/-0.000 χ^2/NDF:3502088182.0/39

Out: -40.829+/-0.000 χ^2/NDF:2632857859.9/45

All: -40.921+/-0.000 χ^2/NDF: 6138135684.3/

yield_cav4cY_rms vs Slug, Sign Corrected



Right In: 0.527+/-0.000 χ^2/NDF: 3046195.7/16

Left Out: 0.336+/-0.000 χ^2/NDF:1238006.0/24

Right Out: 0.520+/-0.000 χ^2/NDF: 3827702.1/20

Left In: 0.340+/-0.000 χ^2/NDF:1065343.8/22

Left: 0.338+/-0.000 χ^2/NDF: 2306534.0/47

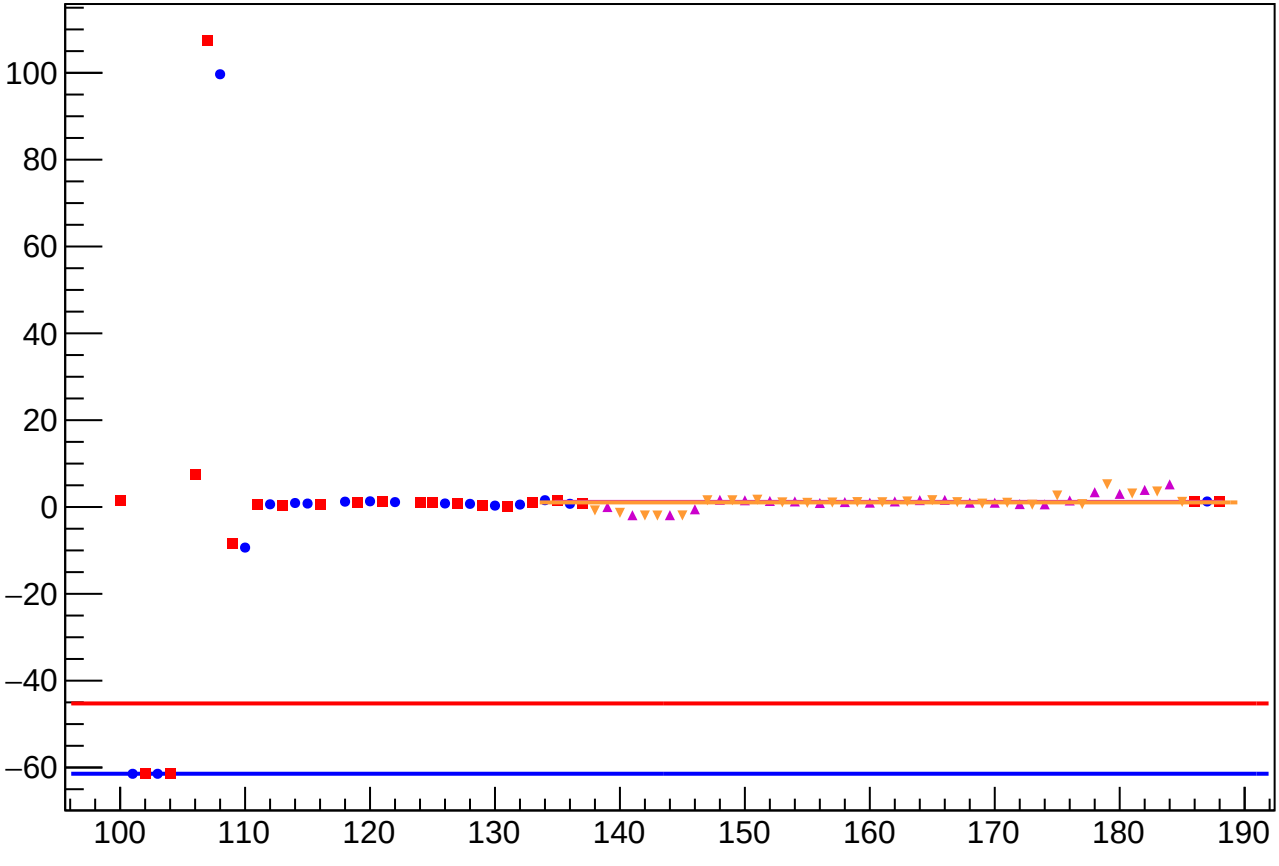
Right: 0.523+/-0.000 χ^2/NDF: 6874697.4/37

In: 0.361+/-0.000 χ^2/NDF:5257704.7/39

Out: 0.358+/-0.000 χ^2/NDF:6374532.5/45

All: 0.360+/-0.000 χ^2/NDF: 11634074.6/85

yield_cav4dX_mean vs Slug, Sign Corrected



Right In: -61.436+/-0.000 χ^2/NDF: 274033836672.5/16

Left Out: 1.059+/-0.000 χ^2/NDF:253133917.4/24

Right Out: -45.245+/-0.000 χ^2/NDF: 3578726612600 22.4/20

Left In: 1.175+/-0.000 χ^2/NDF:182397676.2/22

Left: 1.114+/-0.000 χ^2/NDF: 436074136.1/47

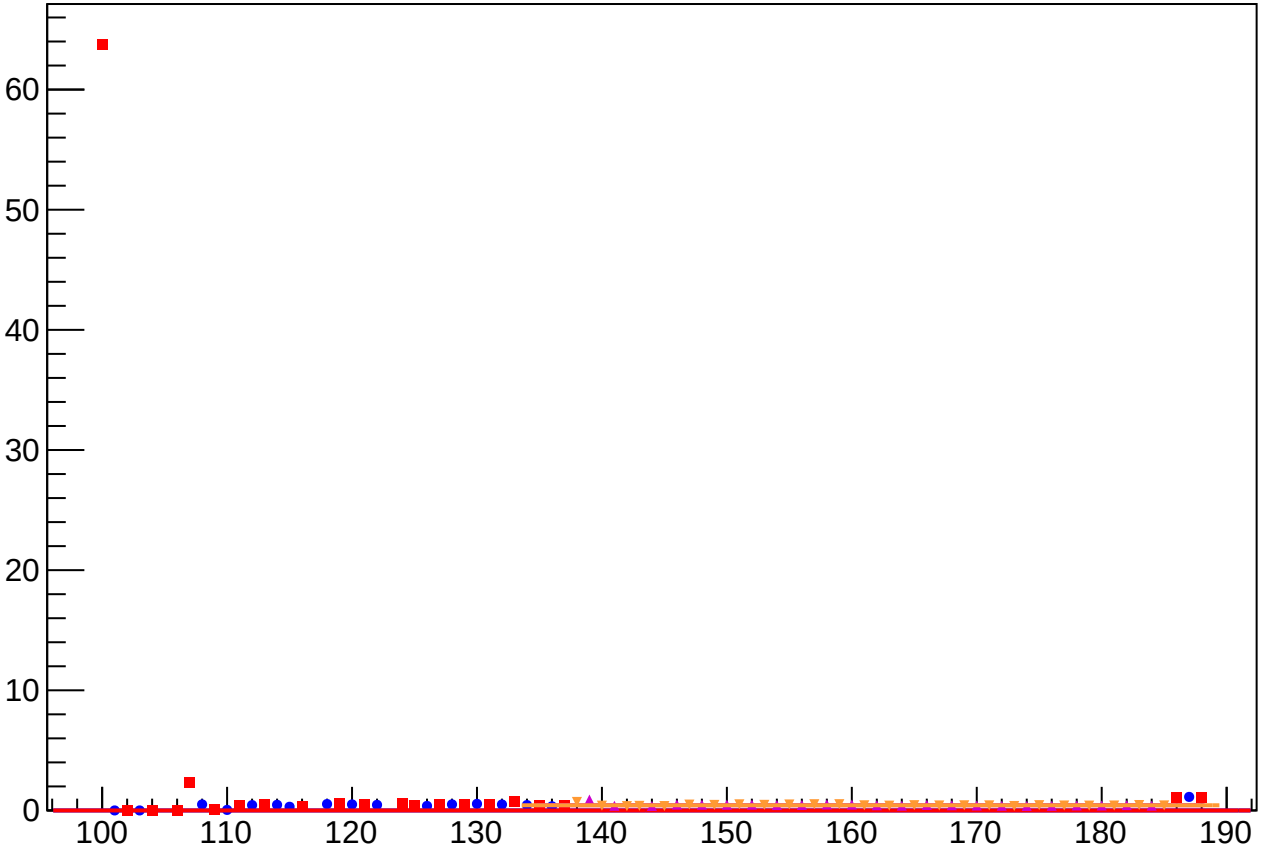
Right: -52.749+/-0.000 χ^2/NDF: 409125464973945

In: -61.423+/-0.000 χ^2/NDF:576900624966.1/39

Out: -45.236+/-0.000 χ^2/NDF:358053944663066.8

All: -52.738+/-0.000 χ^2/NDF: 409594880412

yield_cav4dX_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 9503316.0/16

Left Out: 0.432+/-0.000 χ^2/NDF:527546.3/24

Right Out: 0.001+/-0.000 χ^2/NDF: 11919270.3/20

Left In: 0.438+/-0.000 χ^2/NDF:698702.2/22

Left: 0.435+/-0.000 χ^2/NDF: 1229702.8/47

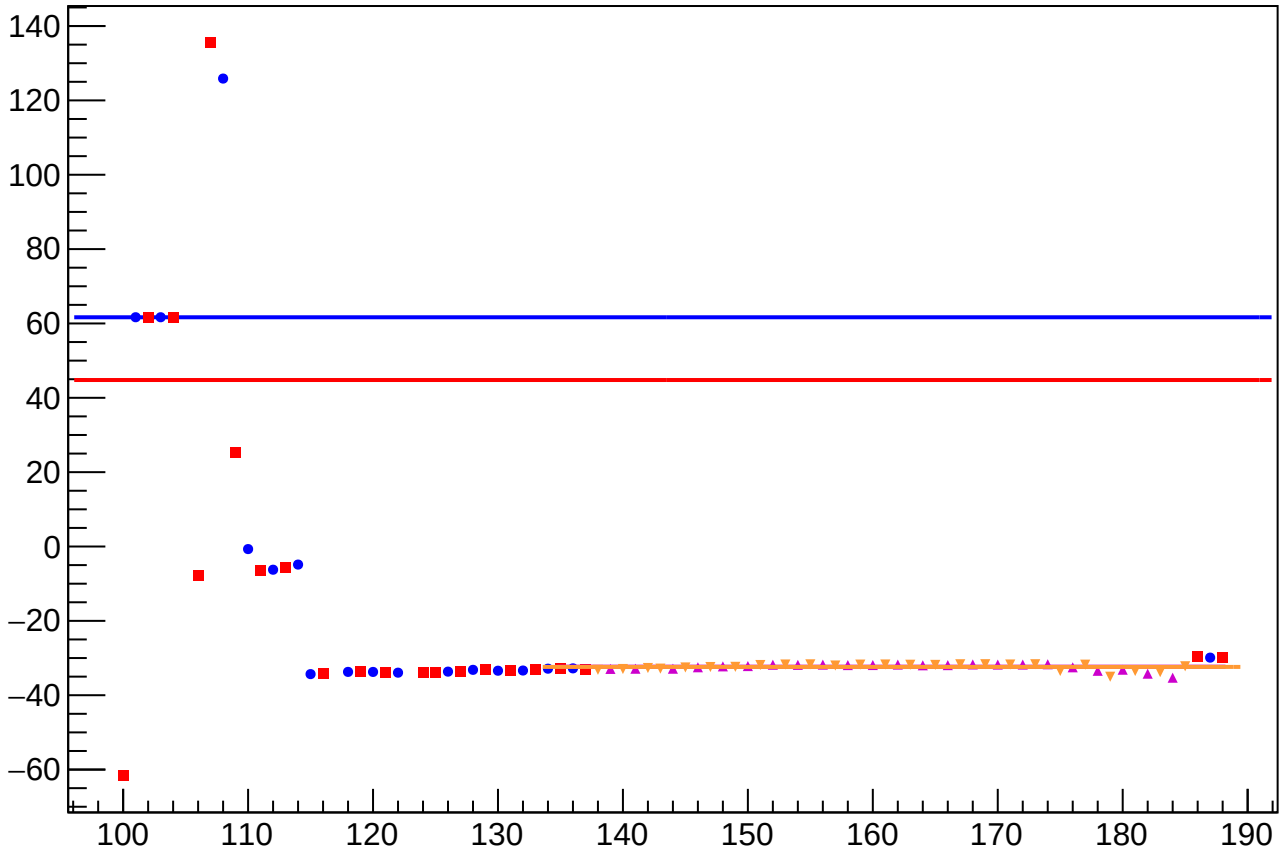
Right: 0.001+/-0.000 χ^2/NDF: 21422586.2/37

In: 0.002+/-0.000 χ^2/NDF:39645420.3/39

Out: 0.002+/-0.000 χ^2/NDF:43685959.2/45

All: 0.002+/-0.000 χ^2/NDF: 83331395.8/85

yield_cav4dY_mean vs Slug, Sign Corrected



Right In: 61.662+/-0.000 χ^2/NDF: 371329689584.4/16

Left Out: -32.386+/-0.000 χ^2/NDF:172024234.9/24

Right Out: 44.784+/-0.000 χ^2/NDF: 3661272001971 75.9/20

Left In: -32.325+/-0.000 χ^2/NDF:118654391.5/22

Left: -32.356+/-0.000 χ^2/NDF: 291084378.8/47

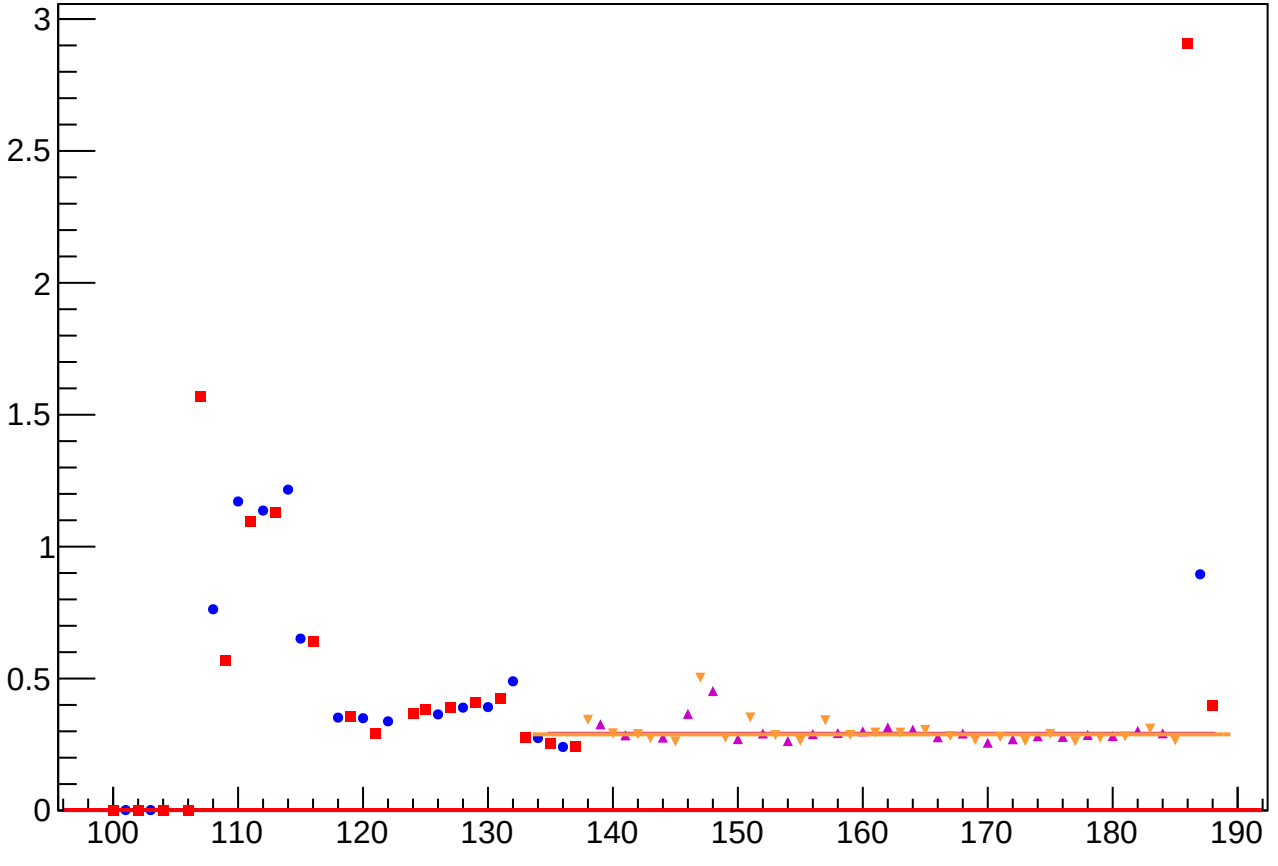
Right: 52.688+/-0.000 χ^2/NDF: 417609251085535.

In: 61.604+/-0.000 χ^2/NDF:2195206017497.6/39

Out: 44.740+/-0.000 χ^2/NDF:367445756087046.4

All: 52.637+/-0.000 χ^2/NDF: 4207039128333

yield_cav4dY_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 11380347.4/16

Left Out: 0.288+/-0.000 χ^2/NDF:522979.2/24

Right Out: 0.002+/-0.000 χ^2/NDF: 13119957.1/20

Left In: 0.291+/-0.000 χ^2/NDF:387524.5/22

Left: 0.290+/-0.000 χ^2/NDF: 911587.8/47

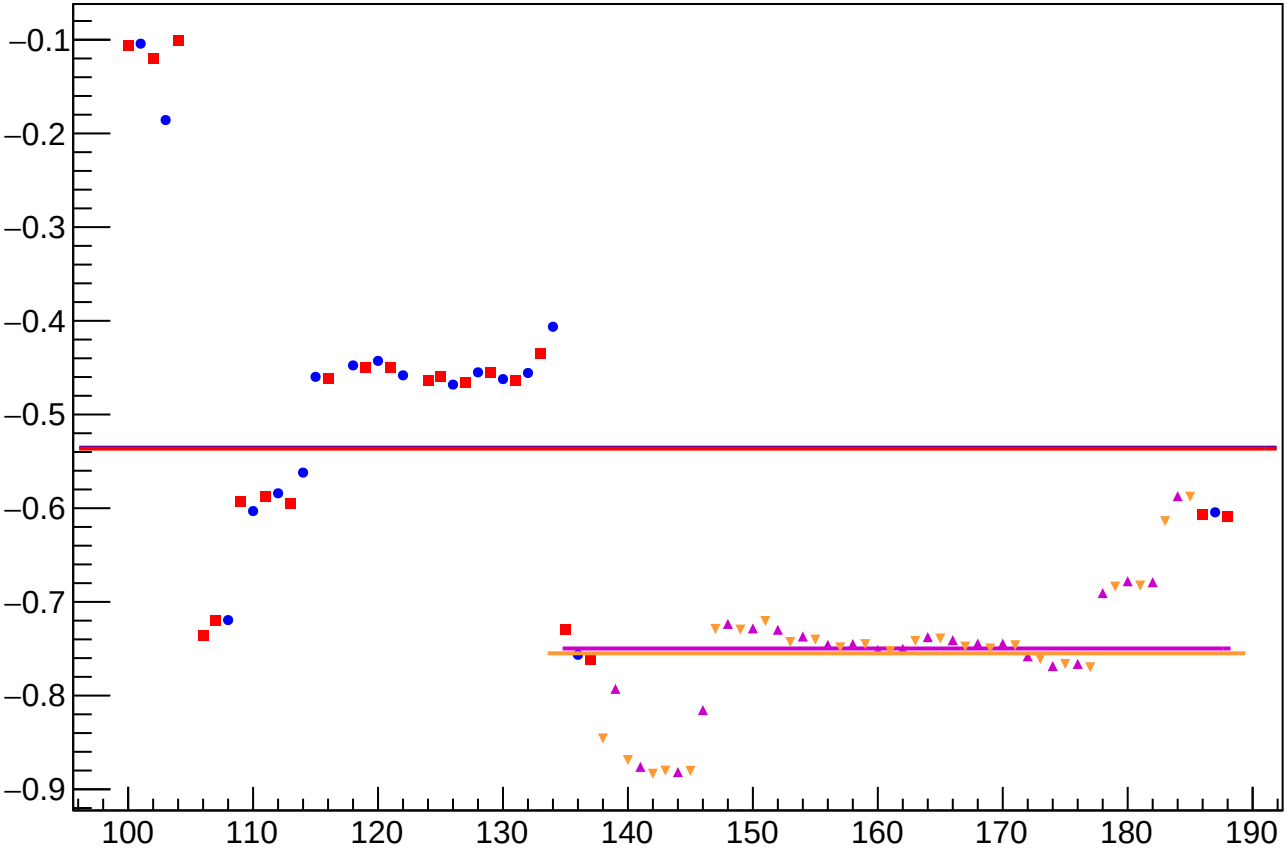
Right: 0.002+/-0.000 χ^2/NDF: 24500521.5/37

In: 0.002+/-0.000 χ^2/NDF:46290581.0/39

Out: 0.002+/-0.000 χ^2/NDF:50079769.0/45

All: 0.002+/-0.000 χ^2/NDF: 96370414.8/85

yield_bpm4aX_mean vs Slug, Sign Corrected



Right In: -0.535+/-0.000 χ^2/NDF: 301172114.2/16

Left Out: -0.755+/-0.000 χ^2/NDF:212643091.8/24

Right Out: -0.536+/-0.000 χ^2/NDF: 217146263.4/20

Left In: -0.750+/-0.000 χ^2/NDF:140839352.1/22

Left: -0.752+/-0.000 χ^2/NDF: 354065711.9/47

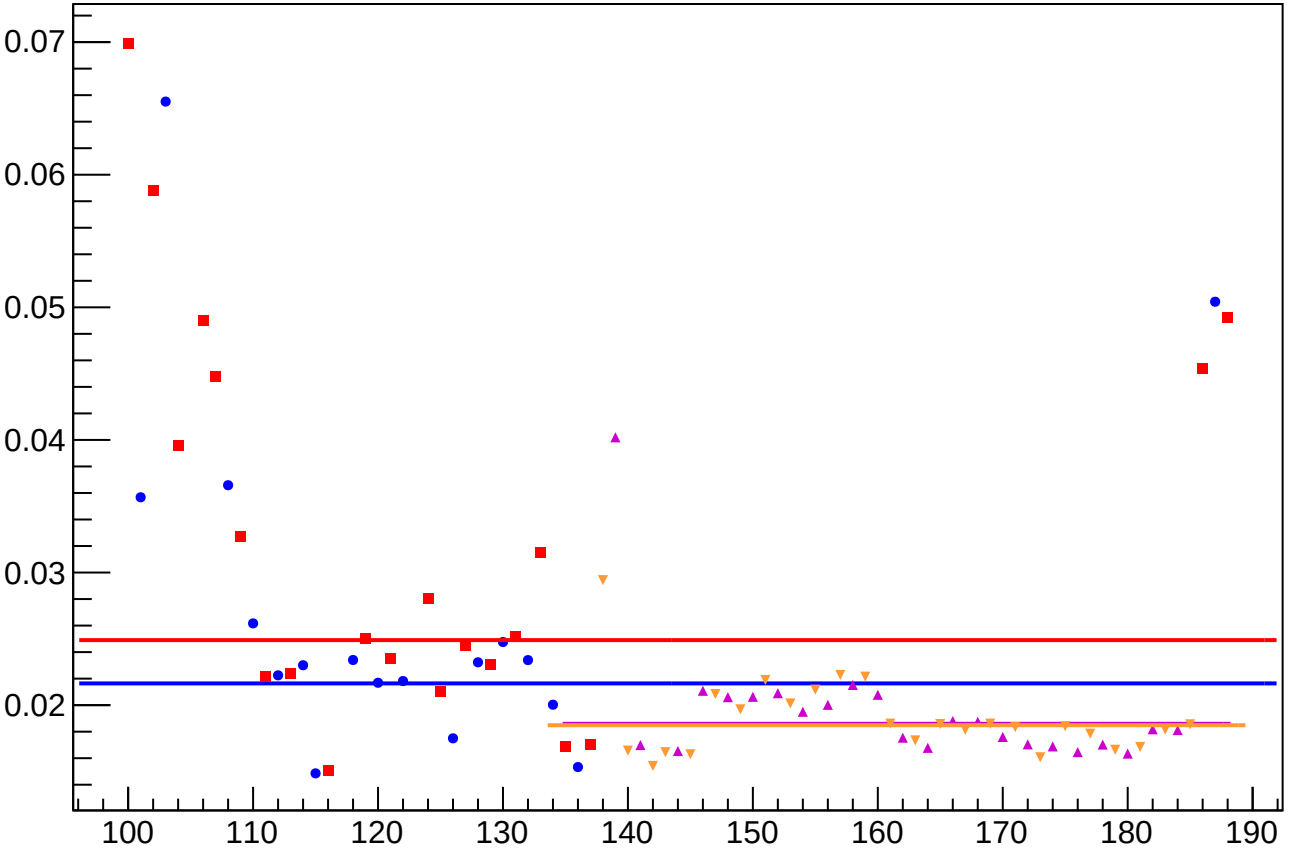
Right: -0.536+/-0.000 χ^2/NDF: 518323247.1/37

In: -0.703+/-0.000 χ^2/NDF:863213231.5/39

Out: -0.714+/-0.000 χ^2/NDF:839149878.8/45

All: -0.709+/-0.000 χ^2/NDF: 1705379517.9/8

yield_bpm4aX_rms vs Slug, Sign Corrected



Right In: 0.022+/-0.000 χ^2/NDF: 1267466.7/16

Left Out: 0.018+/-0.000 χ^2/NDF:491665.0/24

Right Out: 0.025+/-0.000 χ^2/NDF: 1903400.3/20

Left In: 0.019+/-0.000 χ^2/NDF:739183.3/22

Left: 0.019+/-0.000 χ^2/NDF: 1231372.8/47

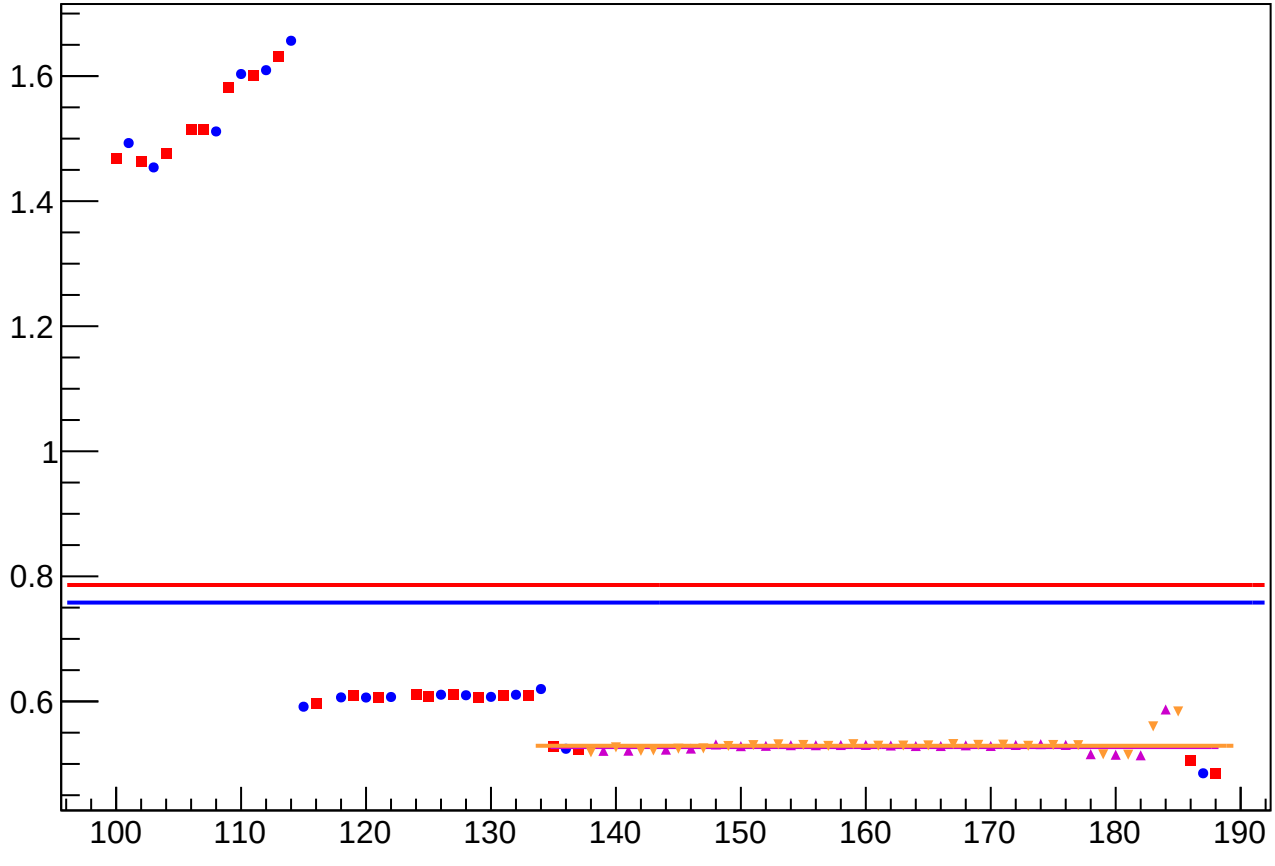
Right: 0.023+/-0.000 χ^2/NDF: 3289103.1/37

In: 0.019+/-0.000 χ^2/NDF:2176756.5/39

Out: 0.020+/-0.000 χ^2/NDF:3101571.9/45

All: 0.019+/-0.000 χ^2/NDF: 5288854.3/85

yield_bpm4aY_mean vs Slug, Sign Corrected



Right In: 0.758+/-0.000 χ^2/NDF: 4309819084.1/16

Left Out: 0.529+/-0.000 χ^2/NDF:16236836.5/24

Right Out: 0.786+/-0.000 χ^2/NDF: 5001981184.9/20

Left In: 0.527+/-0.000 χ^2/NDF:13035326.4/22

Left: 0.528+/-0.000 χ^2/NDF: 29556075.1/47

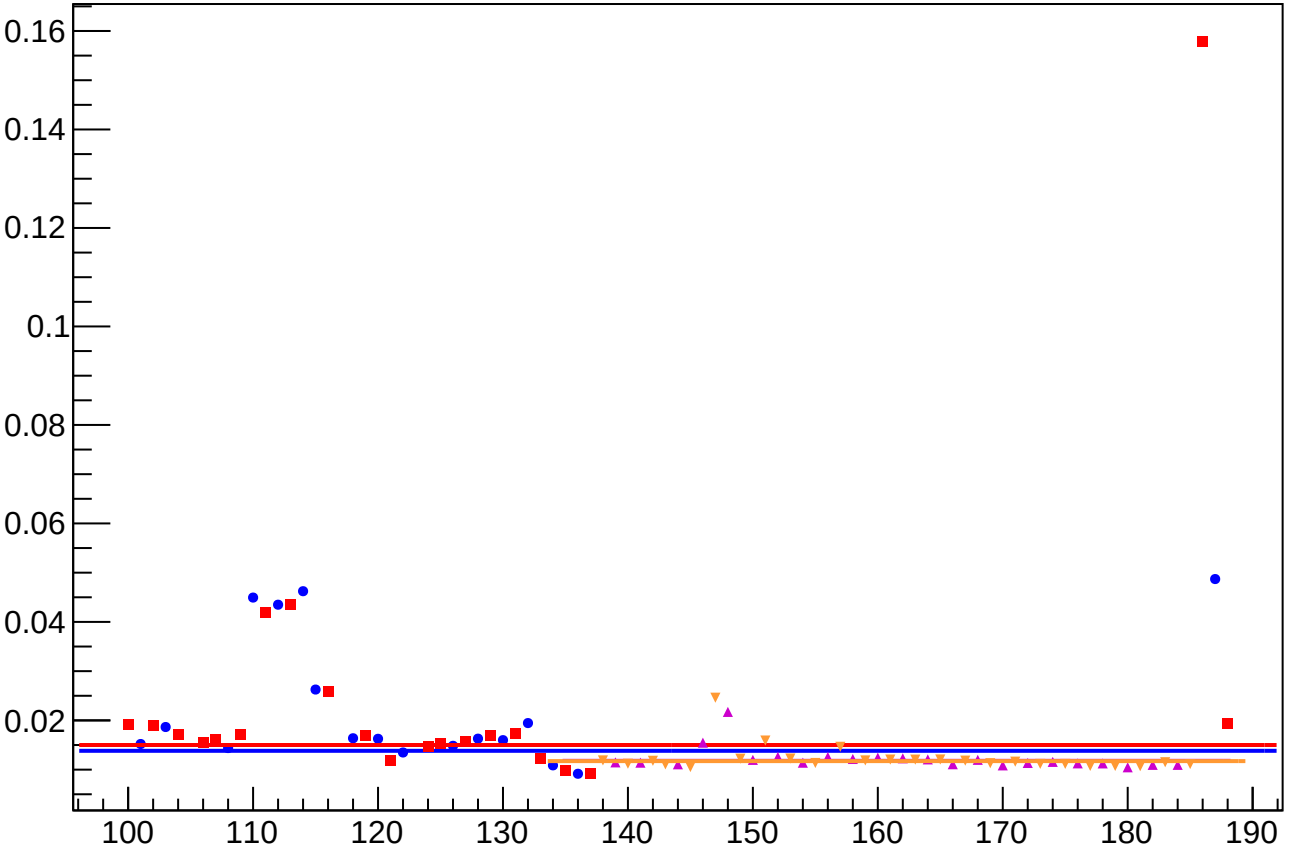
Right: 0.772+/-0.000 χ^2/NDF: 9324319100.0/37

In: 0.573+/-0.000 χ^2/NDF:5672716238.4/39

Out: 0.578+/-0.000 χ^2/NDF:6715969756.2/45

All: 0.576+/-0.000 χ^2/NDF: 12390653377.0/8

yield_bpm4aY_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 1834221.1/16

Left Out: 0.012+/-0.000 χ^2/NDF:699878.1/24

Right Out: 0.015+/-0.000 χ^2/NDF: 2185444.0/20

Left In: 0.012+/-0.000 χ^2/NDF:519826.8/22

Left: 0.012+/-0.000 χ^2/NDF: 1220115.4/47

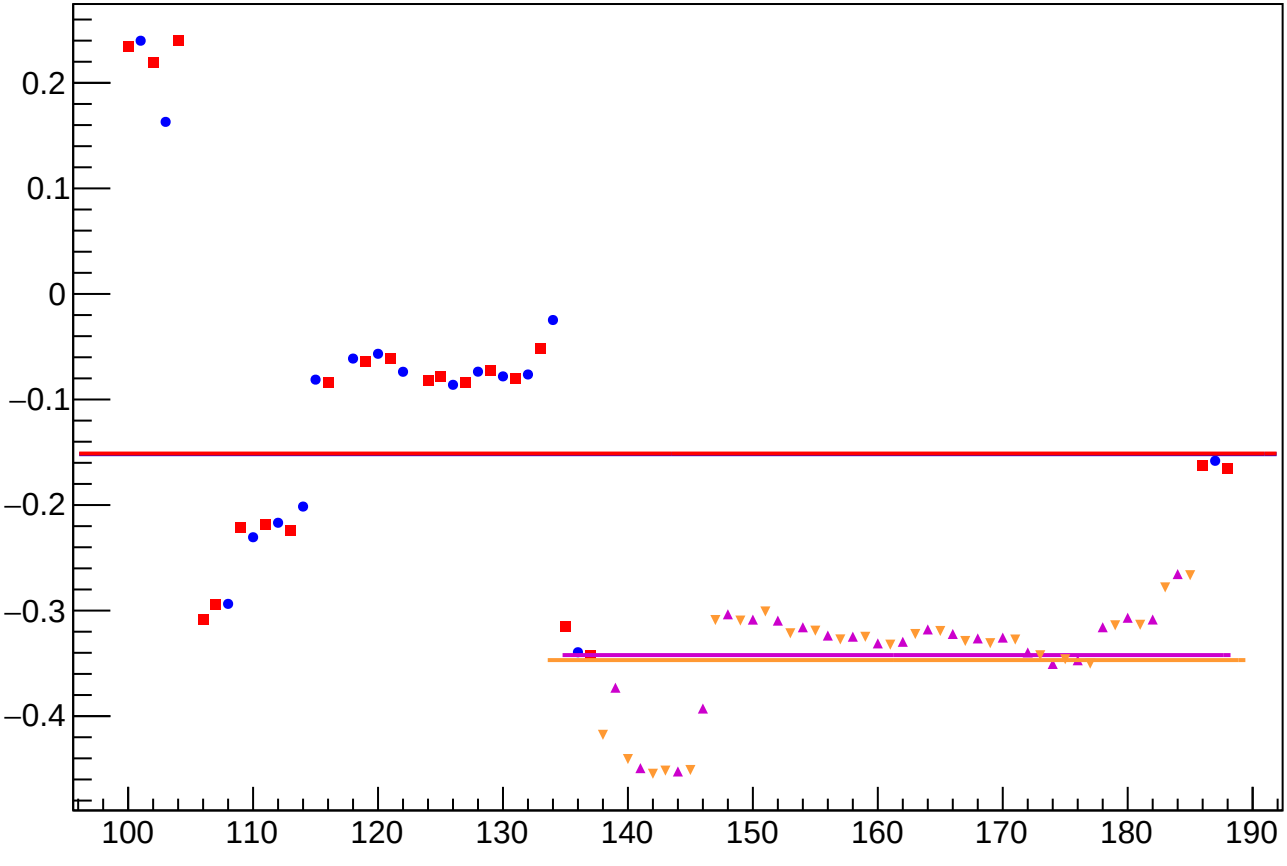
Right: 0.014+/-0.000 χ^2/NDF: 4063535.7/37

In: 0.012+/-0.000 χ^2/NDF:2563420.2/39

Out: 0.012+/-0.000 χ^2/NDF:3433915.6/45

All: 0.012+/-0.000 χ^2/NDF: 6001508.1/85

yield_bpm4eX_mean vs Slug, Sign Corrected



Right In: -0.152+/-0.000 χ^2/NDF: 276794419.6/16

Left Out: -0.347+/-0.000 χ^2/NDF:125890246.2/24

Right Out: -0.151+/-0.000 χ^2/NDF: 199508468.3/20

Left In: -0.342+/-0.000 χ^2/NDF:88220744.3/22

Left: -0.345+/-0.000 χ^2/NDF: 214611737.9/47

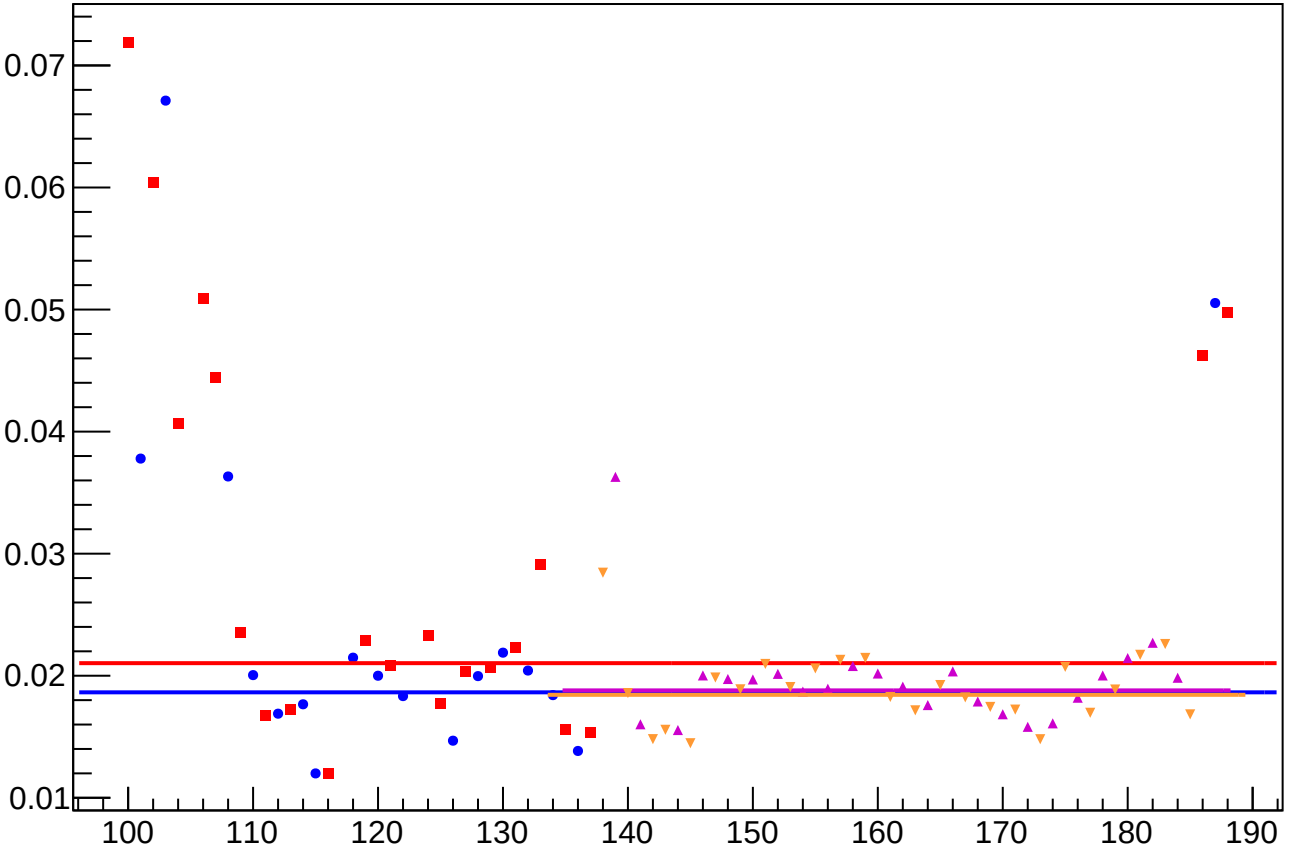
Right: -0.152+/-0.000 χ^2/NDF: 476305401.4/37

In: -0.291+/-0.000 χ^2/NDF:776094872.3/39

Out: -0.301+/-0.000 χ^2/NDF:743532861.3/45

All: -0.296+/-0.000 χ^2/NDF: 1522474980.3/8

yield_bpm4eX_rms vs Slug, Sign Corrected



Right In: 0.019+/-0.000 χ^2/NDF: 1511372.9/16

Left Out: 0.018+/-0.000 χ^2/NDF:640029.5/24

Right Out: 0.021+/-0.000 χ^2/NDF: 2415251.4/20

Left In: 0.019+/-0.000 χ^2/NDF:718726.0/22

Left: 0.019+/-0.000 χ^2/NDF: 1364603.4/47

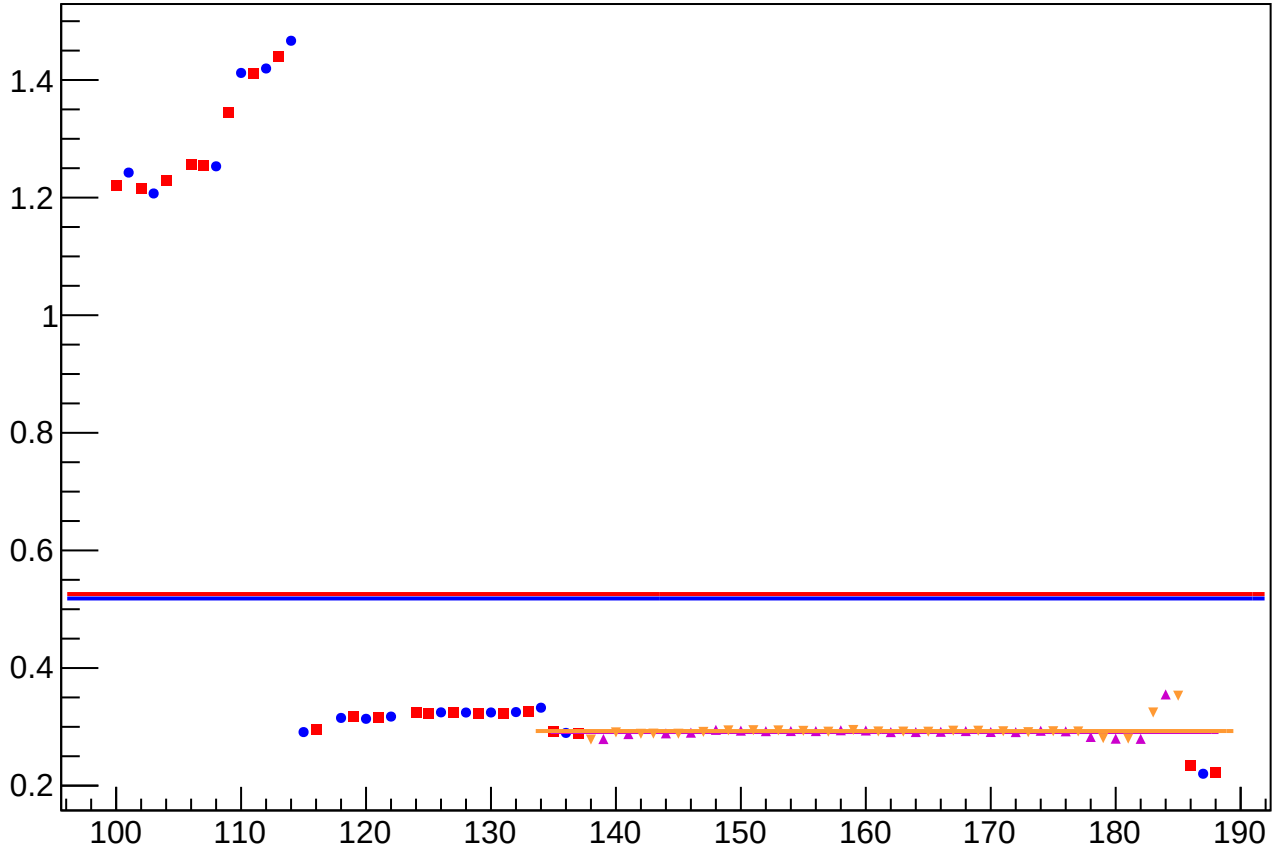
Right: 0.020+/-0.000 χ^2/NDF: 4011446.3/37

In: 0.019+/-0.000 χ^2/NDF:2230674.7/39

Out: 0.019+/-0.000 χ^2/NDF:3202244.5/45

All: 0.019+/-0.000 χ^2/NDF: 5437802.0/85

yield_bpm4eY_mean vs Slug, Sign Corrected



Right In: 0.518+/-0.000 χ^2/NDF: 6333187358.2/16

Left Out: 0.293+/-0.000 χ^2/NDF:17281571.0/24

Right Out: 0.526+/-0.000 χ^2/NDF: 7158331996.4/20

Left In: 0.291+/-0.000 χ^2/NDF:10282762.1/22

Left: 0.292+/-0.000 χ^2/NDF: 27773527.3/47

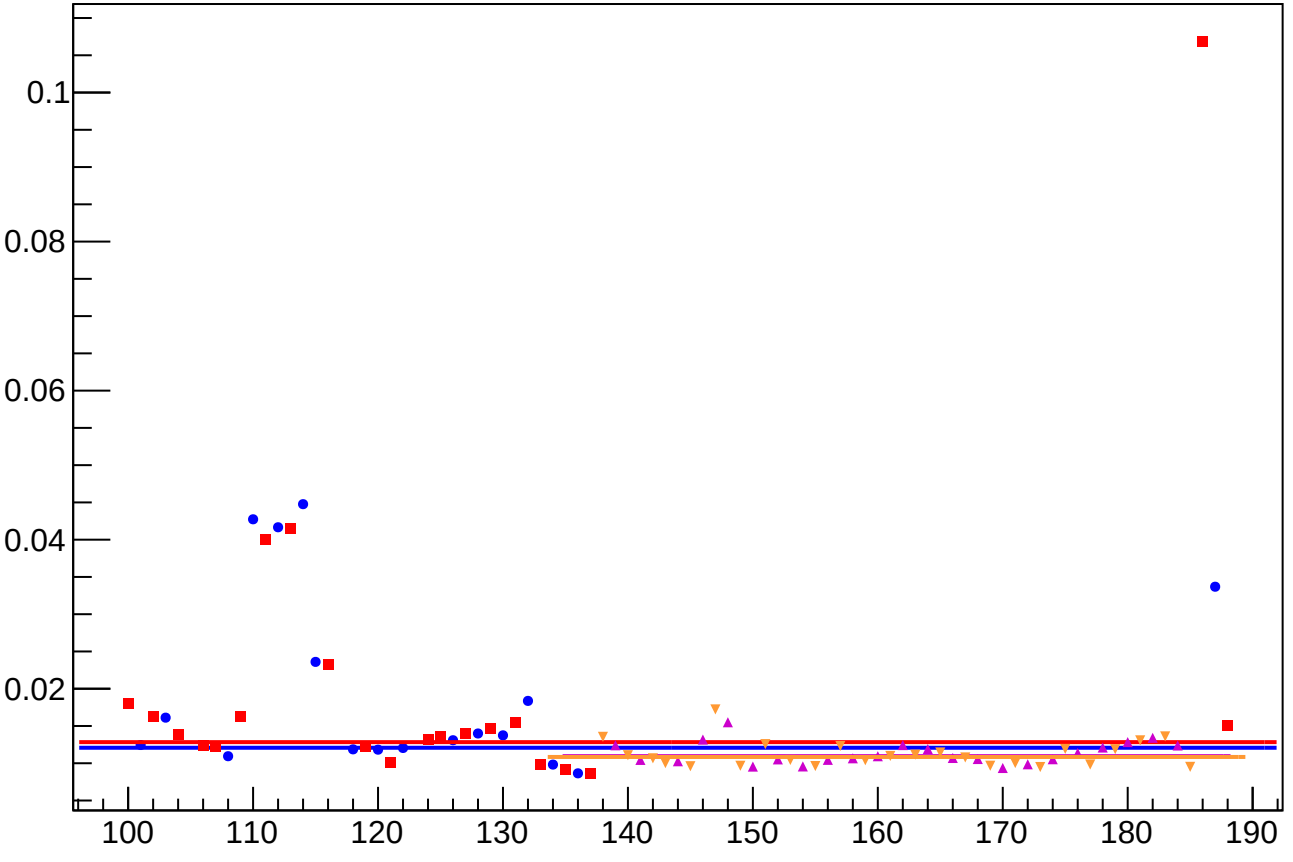
Right: 0.522+/-0.000 χ^2/NDF: 13492725243.9/37

In: 0.342+/-0.000 χ^2/NDF:8009167690.3/39

Out: 0.343+/-0.000 χ^2/NDF:9007607611.6/45

All: 0.343+/-0.000 χ^2/NDF: 17016976663.7/8

yield_bpm4eY_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 1639341.7/16

Left Out: 0.011+/-0.000 χ^2/NDF:654475.7/24

Right Out: 0.013+/-0.000 χ^2/NDF: 2073018.2/20

Left In: 0.011+/-0.000 χ^2/NDF:512130.1/22

Left: 0.011+/-0.000 χ^2/NDF: 1168468.8/47

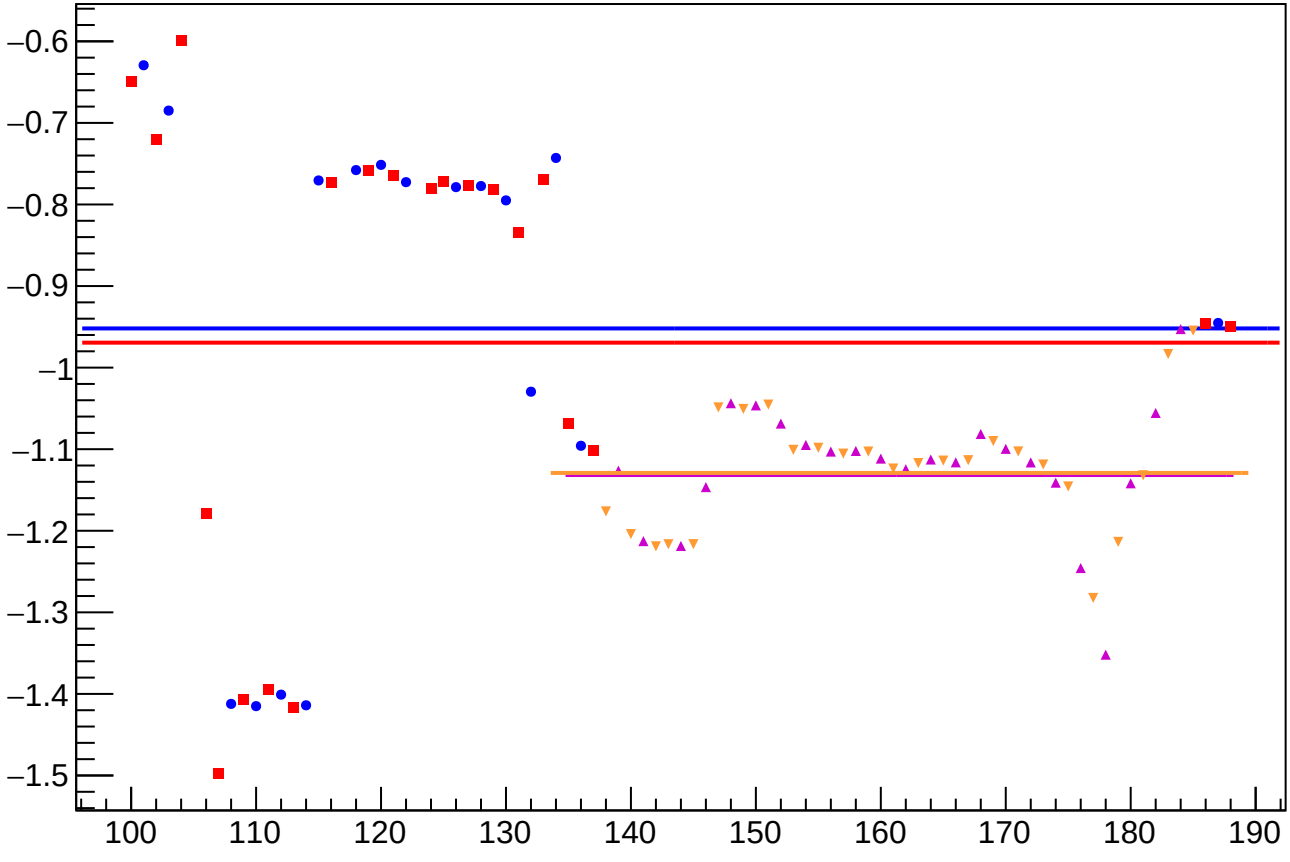
Right: 0.012+/-0.000 χ^2/NDF: 3736360.9/37

In: 0.011+/-0.000 χ^2/NDF:2233028.5/39

Out: 0.011+/-0.000 χ^2/NDF:2994329.1/45

All: 0.011+/-0.000 χ^2/NDF: 5228257.6/85

yield_bpm4acX_mean vs Slug, Sign Corrected



Right In: -0.952+/-0.000 χ^2/NDF: 699472101.2/16

Left Out: -1.129+/-0.000 χ^2/NDF:238152679.4/24

Right Out: -0.969+/-0.000 χ^2/NDF: 714783228.4/20

Left In: -1.132+/-0.000 χ^2/NDF:260075820.5/22

Left: -1.130+/-0.000 χ^2/NDF: 498379456.8/47

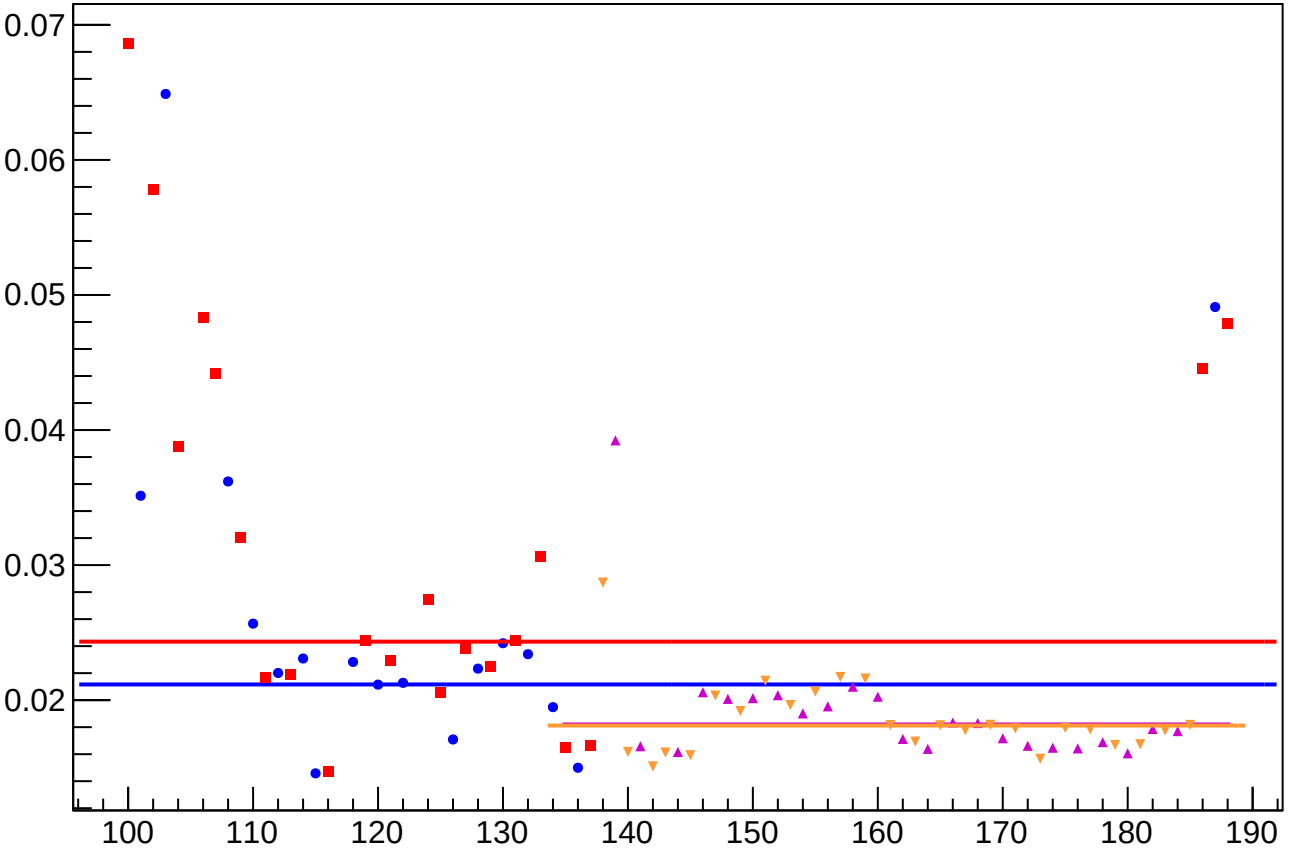
Right: -0.960+/-0.000 χ^2/NDF: 1416015232.2/37

In: -1.093+/-0.000 χ^2/NDF:1268729375.4/39

Out: -1.099+/-0.000 χ^2/NDF:1181136092.4/45

All: -1.096+/-0.000 χ^2/NDF: 2450968537.8/8

yield_bpm4acX_rms vs Slug, Sign Corrected



Right In: 0.021+/-0.000 χ^2/NDF: 1279774.2/16

Left Out: 0.018+/-0.000 χ^2/NDF:474004.4/24

Right Out: 0.024+/-0.000 χ^2/NDF: 1905789.7/20

Left In: 0.018+/-0.000 χ^2/NDF:723957.3/22

Left: 0.018+/-0.000 χ^2/NDF: 1198259.9/47

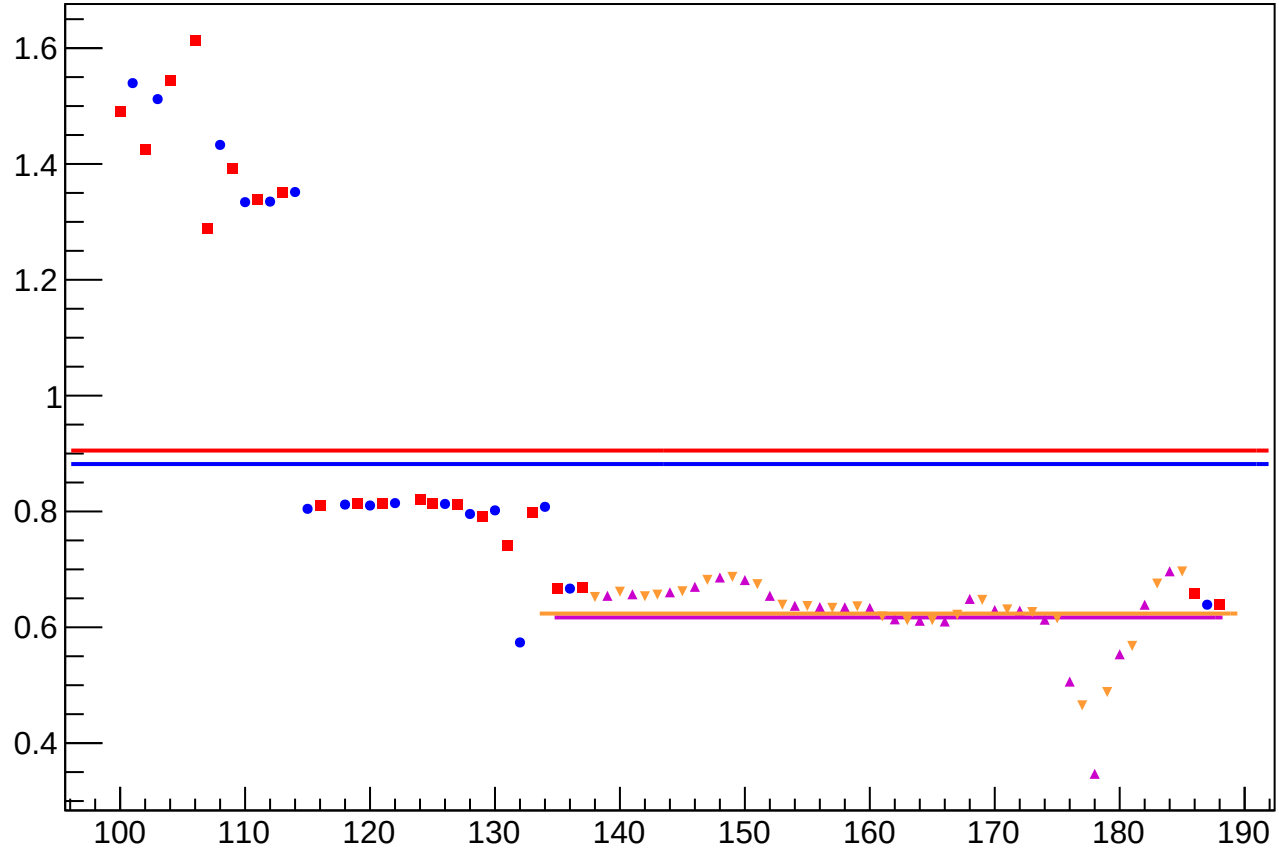
Right: 0.023+/-0.000 χ^2/NDF: 3301980.7/37

In: 0.019+/-0.000 χ^2/NDF:2171745.0/39

Out: 0.019+/-0.000 χ^2/NDF:3070507.8/45

All: 0.019+/-0.000 χ^2/NDF: 5253821.6/85

yield_bpm4acY_mean vs Slug, Sign Corrected



Right In: 0.882+/-0.000 χ^2/NDF: 2788673067.4/16

Left Out: 0.624+/-0.000 χ^2/NDF:400613435.2/24

Right Out: 0.905+/-0.000 χ^2/NDF: 2946193023.5/20

Left In: 0.617+/-0.000 χ^2/NDF:646297442.3/22

Left: 0.620+/-0.000 χ^2/NDF: 1049789293.9/47

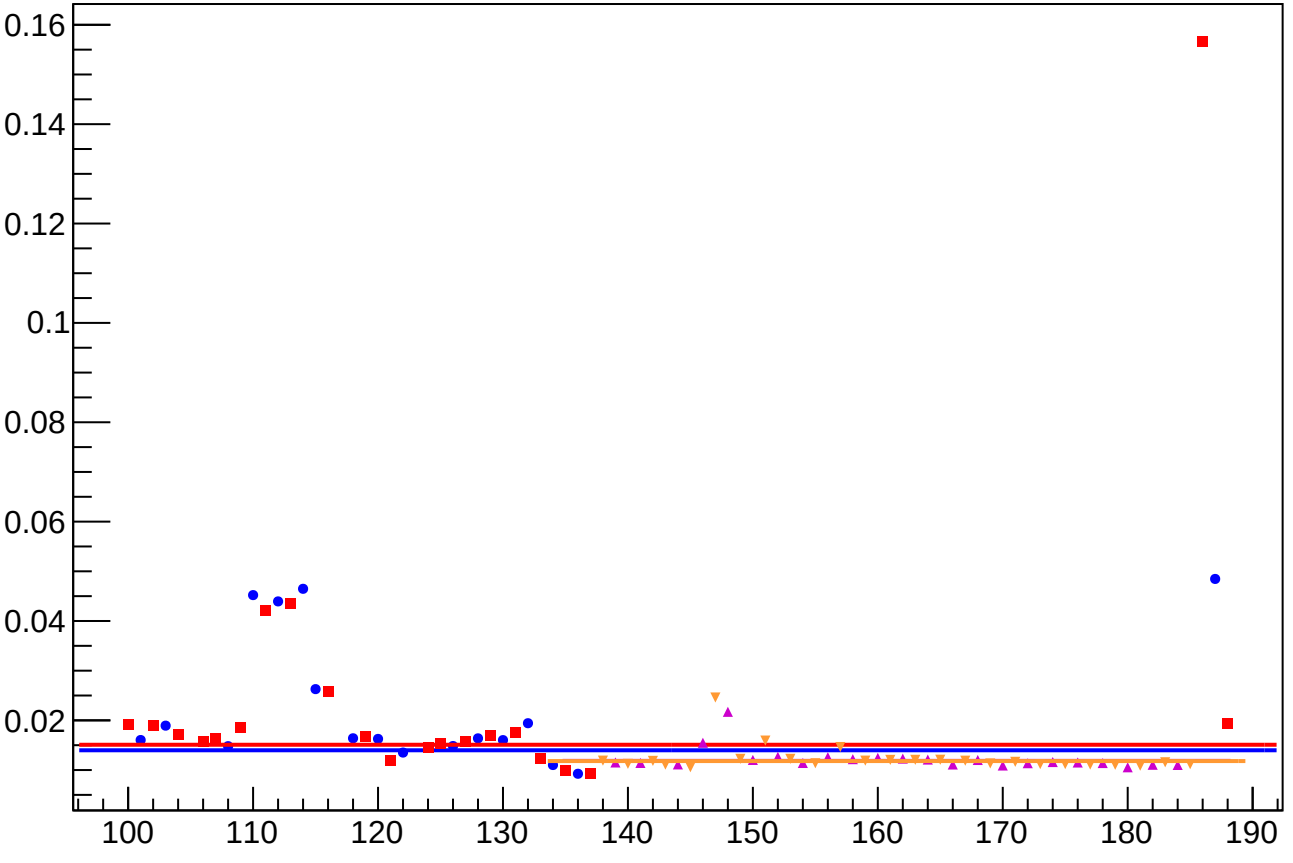
Right: 0.894+/-0.000 χ^2/NDF: 5743291181.2/37

In: 0.669+/-0.000 χ^2/NDF:5167664213.2/39

Out: 0.677+/-0.000 χ^2/NDF:5349983141.0/45

All: 0.673+/-0.000 χ^2/NDF: 10522810189.8/8

yield_bpm4acY_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 1828848.9/16

Left Out: 0.012+/-0.000 χ^2/NDF:673680.7/24

Right Out: 0.015+/-0.000 χ^2/NDF: 2188525.5/20

Left In: 0.012+/-0.000 χ^2/NDF:508762.0/22

Left: 0.012+/-0.000 χ^2/NDF: 1182628.0/47

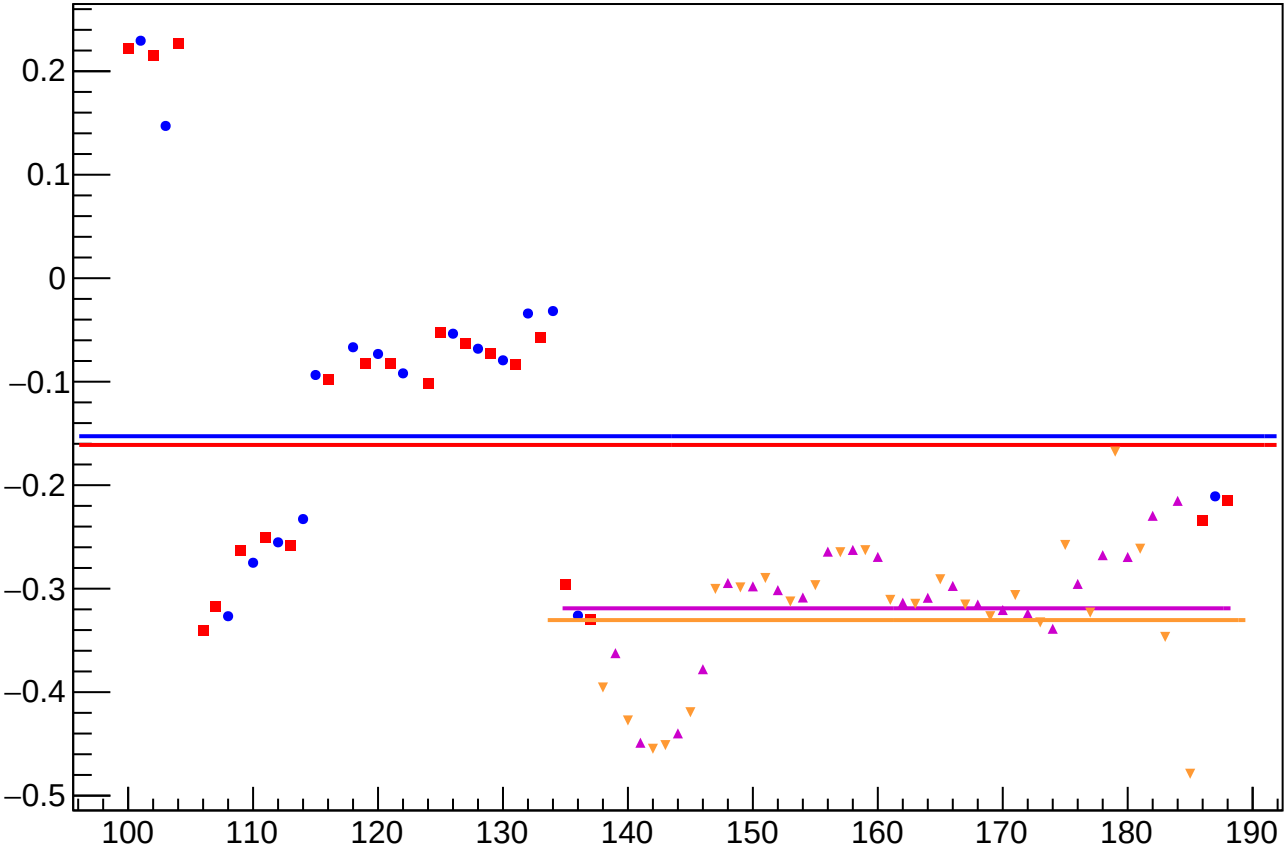
Right: 0.015+/-0.000 χ^2/NDF: 4055717.9/37

In: 0.012+/-0.000 χ^2/NDF:2562455.5/39

Out: 0.012+/-0.000 χ^2/NDF:3407331.0/45

All: 0.012+/-0.000 χ^2/NDF: 5974223.7/85

yield_bpm4ecX_mean vs Slug, Sign Corrected



Right In: -0.153+/-0.000 χ^2/NDF: 274487076.3/16

Left Out: -0.330+/-0.000 χ^2/NDF:182729419.2/24

Right Out: -0.161+/-0.000 χ^2/NDF: 197647074.7/20

Left In: -0.319+/-0.000 χ^2/NDF:130589173.8/22

Left: -0.325+/-0.000 χ^2/NDF: 316163358.3/47

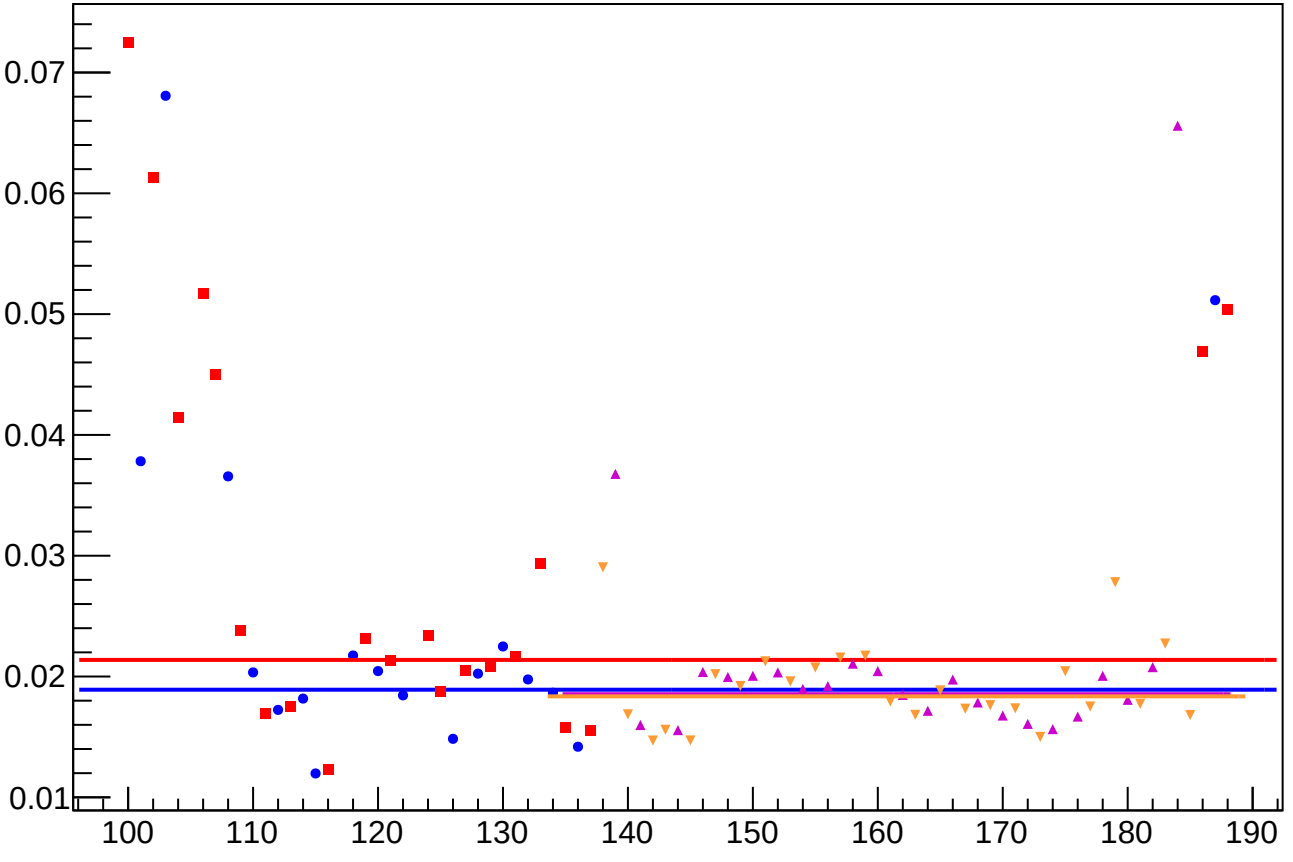
Right: -0.157+/-0.000 χ^2/NDF: 472646063.7/37

In: -0.275+/-0.000 χ^2/NDF:712382395.5/39

Out: -0.291+/-0.000 χ^2/NDF:683892422.5/45

All: -0.283+/-0.000 χ^2/NDF: 1403478482.2/8

yield_bpm4ecX_rms vs Slug, Sign Corrected



Right In: 0.019+/-0.000 χ^2/NDF: 1488122.4/16

Left Out: 0.018+/-0.000 χ^2/NDF:737503.8/24

Right Out: 0.021+/-0.000 χ^2/NDF: 2392632.8/20

Left In: 0.019+/-0.000 χ^2/NDF:933807.9/22

Left: 0.018+/-0.000 χ^2/NDF: 1672700.6/47

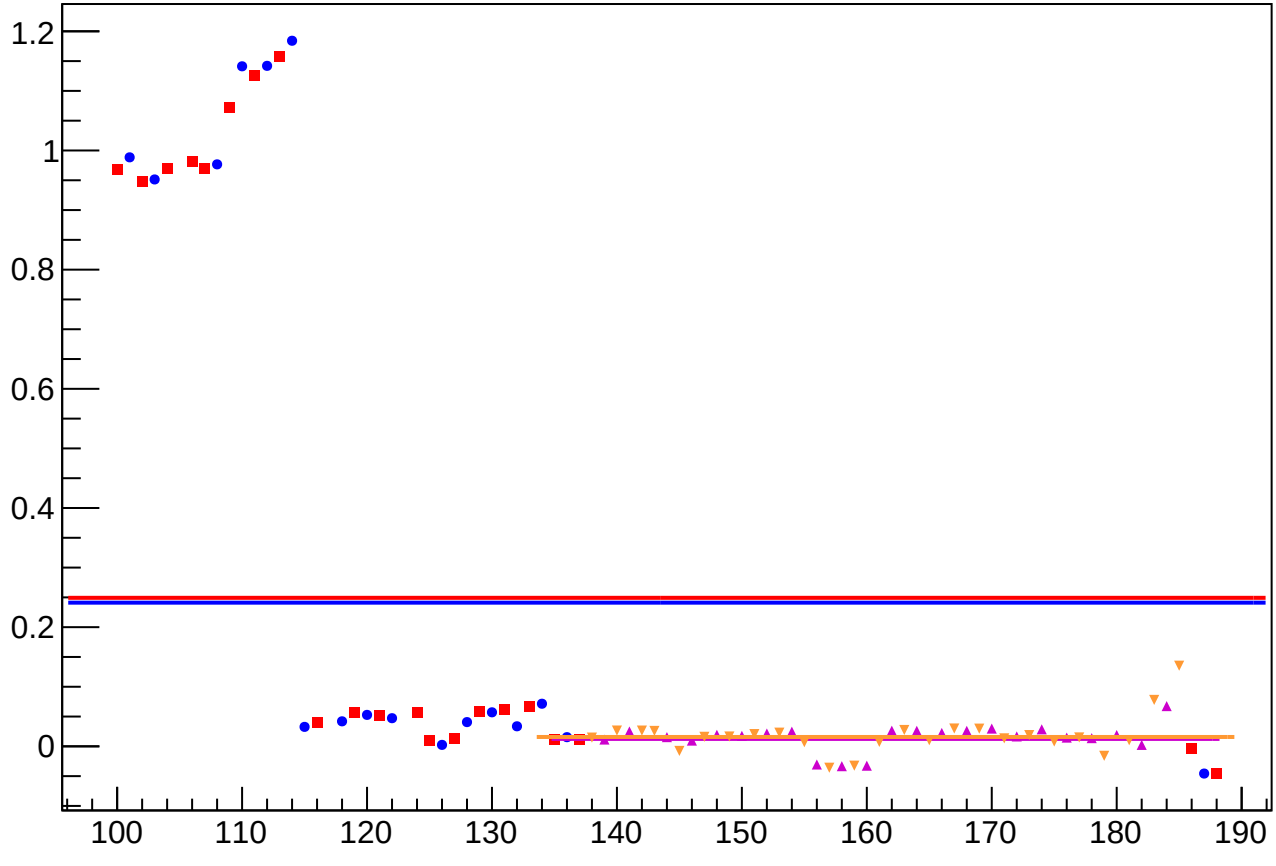
Right: 0.020+/-0.000 χ^2/NDF: 3968443.2/37

In: 0.019+/-0.000 χ^2/NDF:2424991.3/39

Out: 0.019+/-0.000 χ^2/NDF:3322948.5/45

All: 0.019+/-0.000 χ^2/NDF: 5758495.3/85

yield_bpm4ecY_mean vs Slug, Sign Corrected



Right In: 0.241+/-0.000 χ^2/NDF: 6520985731.4/16

Left Out: 0.016+/-0.000 χ^2/NDF:104485335.8/24

Right Out: 0.249+/-0.000 χ^2/NDF: 7160724743.5/20

Left In: 0.012+/-0.000 χ^2/NDF:58674739.1/22

Left: 0.014+/-0.000 χ^2/NDF: 163971847.3/47

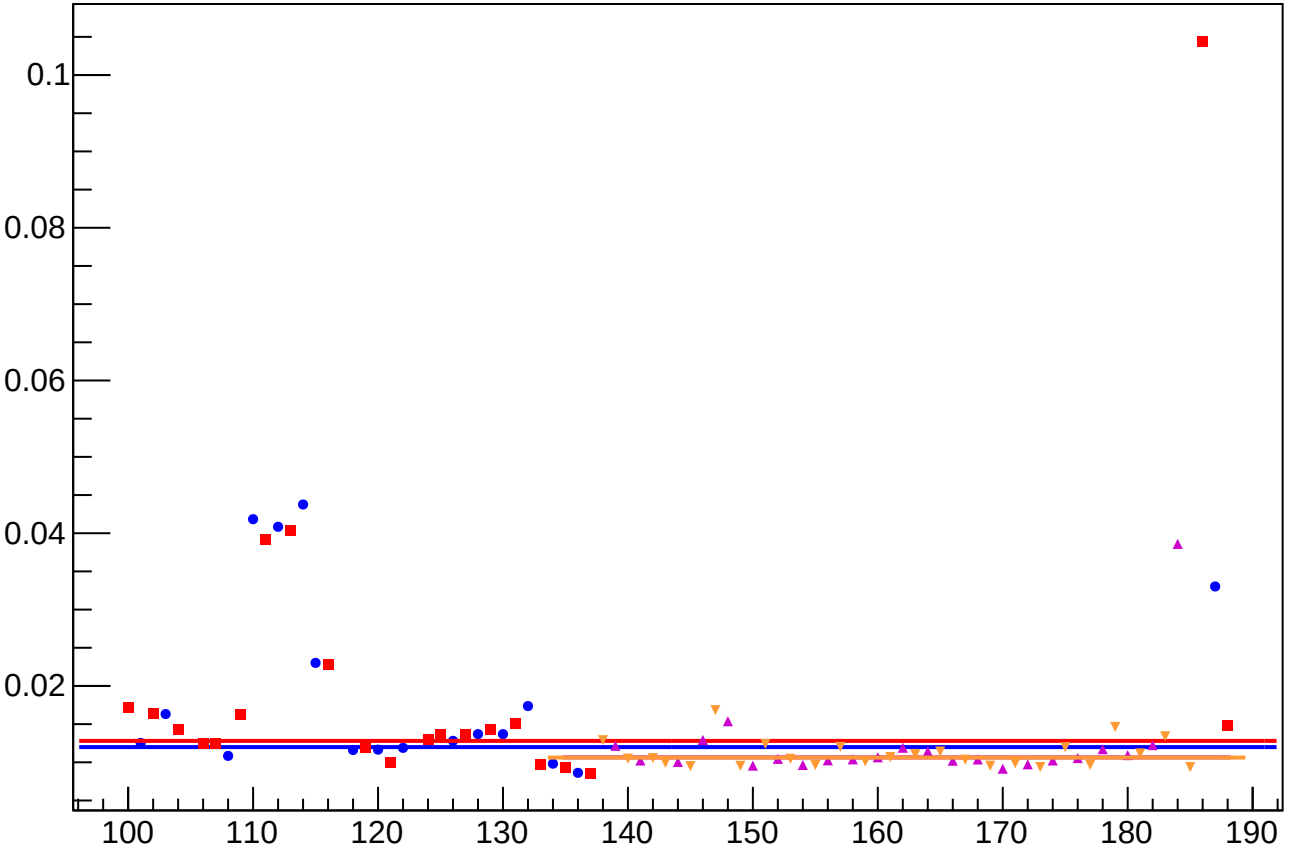
Right: 0.245+/-0.000 χ^2/NDF: 13683121852.7/37

In: 0.063+/-0.000 χ^2/NDF:8304164536.1/39

Out: 0.066+/-0.000 χ^2/NDF:9121120488.9/45

All: 0.064+/-0.000 χ^2/NDF: 17426331654.2/8

yield_bpm4ecY_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 1605103.3/16

Left Out: 0.011+/-0.000 χ^2/NDF:622208.3/24

Right Out: 0.013+/-0.000 χ^2/NDF: 2020678.4/20

Left In: 0.011+/-0.000 χ^2/NDF:571950.9/22

Left: 0.011+/-0.000 χ^2/NDF: 1194217.8/47

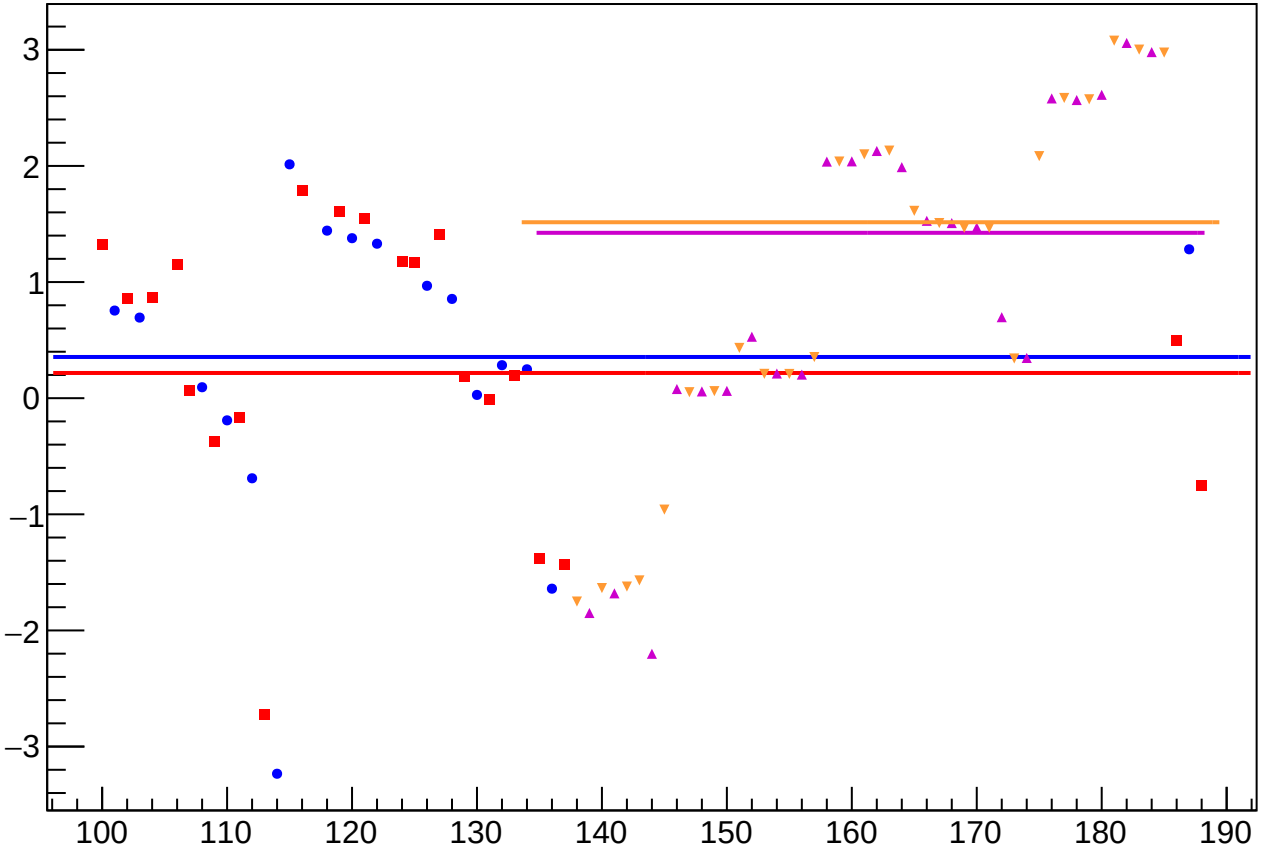
Right: 0.012+/-0.000 χ^2/NDF: 3654050.3/37

In: 0.011+/-0.000 χ^2/NDF:2297254.1/39

Out: 0.011+/-0.000 χ^2/NDF:2966929.7/45

All: 0.011+/-0.000 χ^2/NDF: 5268818.7/85

yield_bpm1X_mean vs Slug, Sign Corrected



Right In: 0.355+/-0.000 χ^2/NDF: 1727781928.2/16

Left Out: 1.515+/-0.000 χ^2/NDF:67789388512.2/24

Right Out: 0.217+/-0.000 χ^2/NDF: 2324599169.5/20

Left In: 1.424+/-0.000 χ^2/NDF:68046262594.0/22

Left: 1.469+/-0.000 χ^2/NDF: 136089936937.5/47

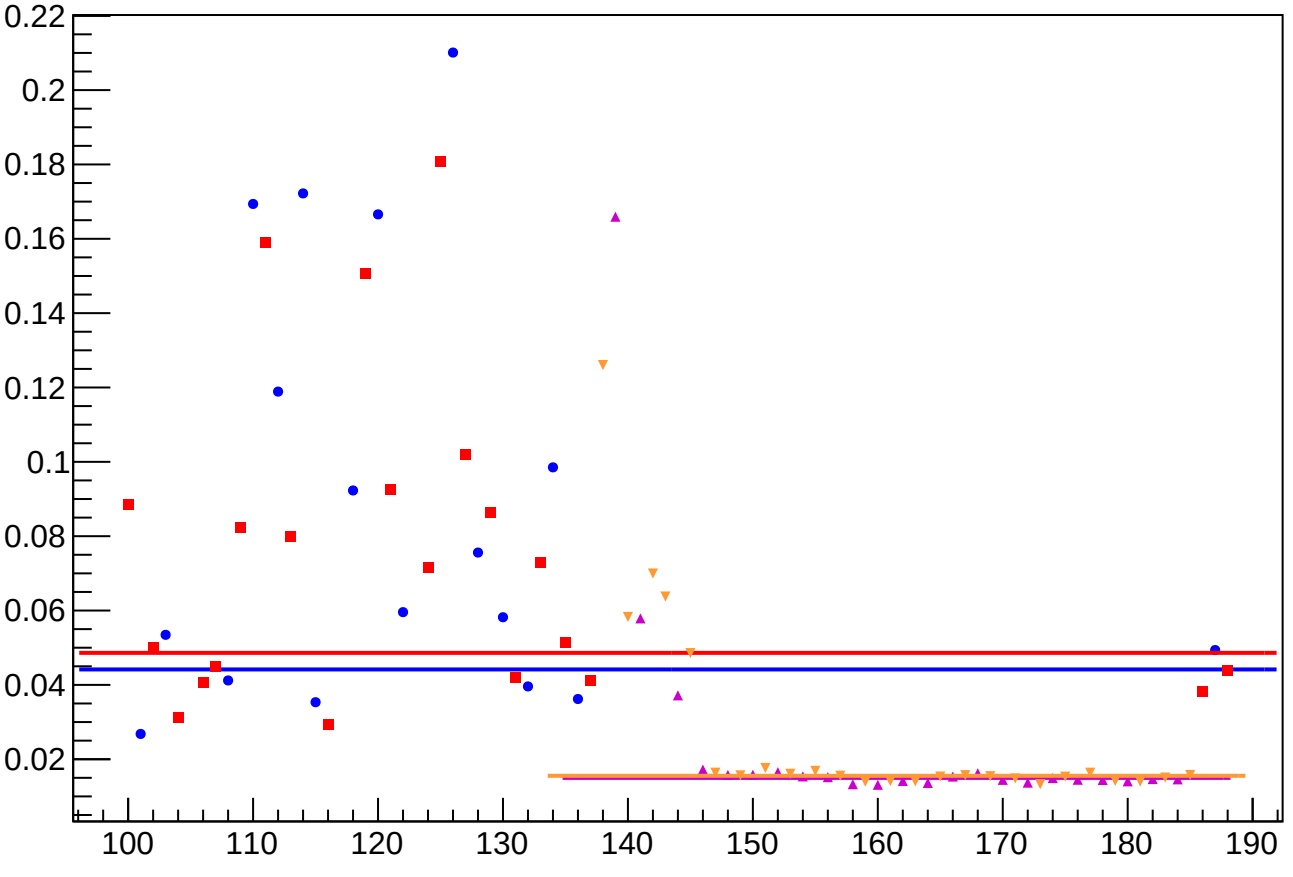
Right: 0.281+/-0.000 χ^2/NDF: 4073197682.8/37

In: 1.390+/-0.000 χ^2/NDF:72048287932.3/39

Out: 1.467+/-0.000 χ^2/NDF:73926848666.1/45

All: 1.428+/-0.000 χ^2/NDF: 146162772036.9

yield_bpm1X_rms vs Slug, Sign Corrected



Right In: 0.044+/-0.000 χ^2/NDF: 2791446.5/16

Left Out: 0.016+/-0.000 χ^2/NDF:2984313.0/24

Right Out: 0.049+/-0.000 χ^2/NDF: 2469248.6/20

Left In: 0.015+/-0.000 χ^2/NDF:2182916.7/22

Left: 0.015+/-0.000 χ^2/NDF: 5187209.1/47

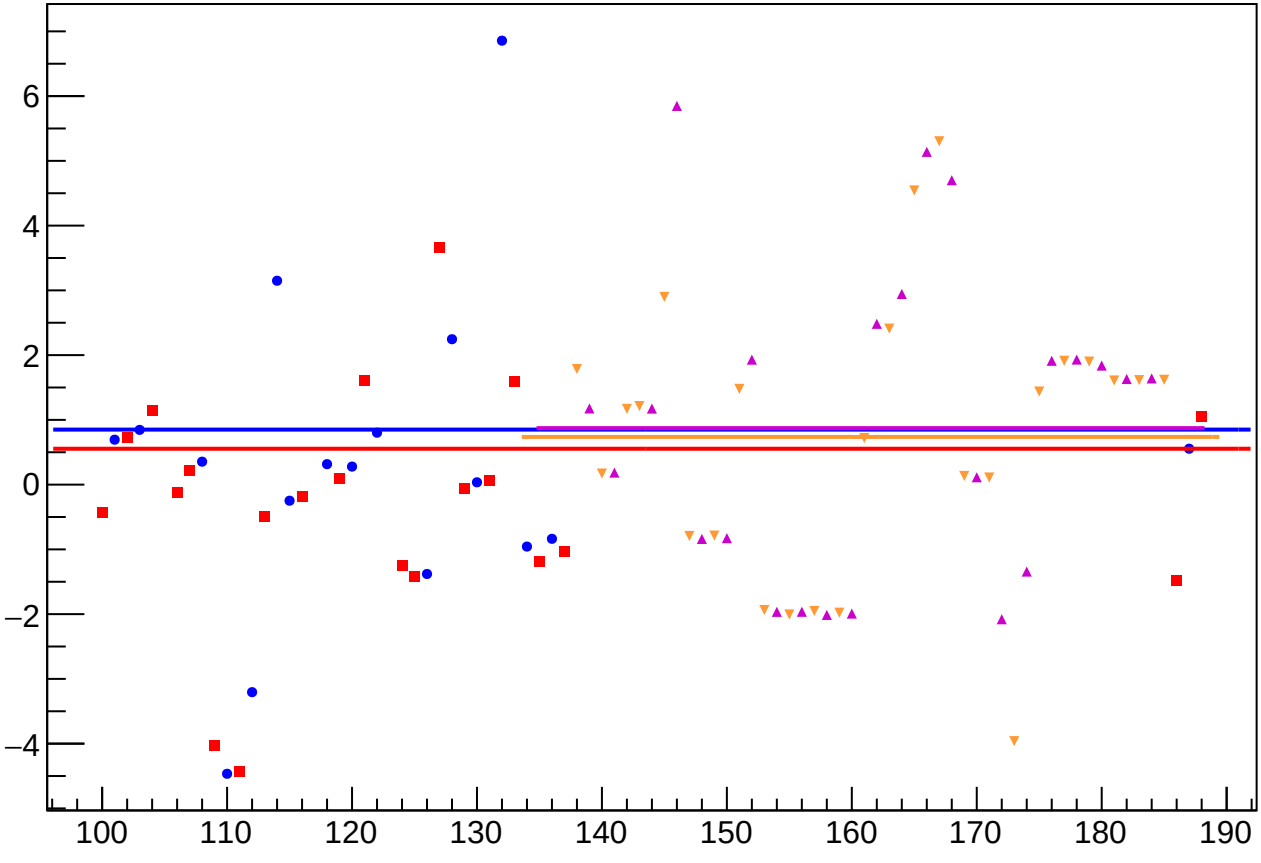
Right: 0.047+/-0.000 χ^2/NDF: 5304340.2/37

In: 0.016+/-0.000 χ^2/NDF:8362520.9/39

Out: 0.017+/-0.000 χ^2/NDF:10403766.9/45

All: 0.016+/-0.000 χ^2/NDF: 18814447.4/85

yield_bpm1Y_mean vs Slug, Sign Corrected



Right In: 0.850+/-0.000 χ^2/NDF: 11579225116.0/16

Left Out: 0.737+/-0.000 χ^2/NDF:535962480112.3/24

Right Out: 0.554+/-0.000 χ^2/NDF: 5505732919.5/20

Left In: 0.872+/-0.000 χ^2/NDF:620161319368.2/22

Left: 0.804+/-0.000 χ^2/NDF: 1157039374771.8/47

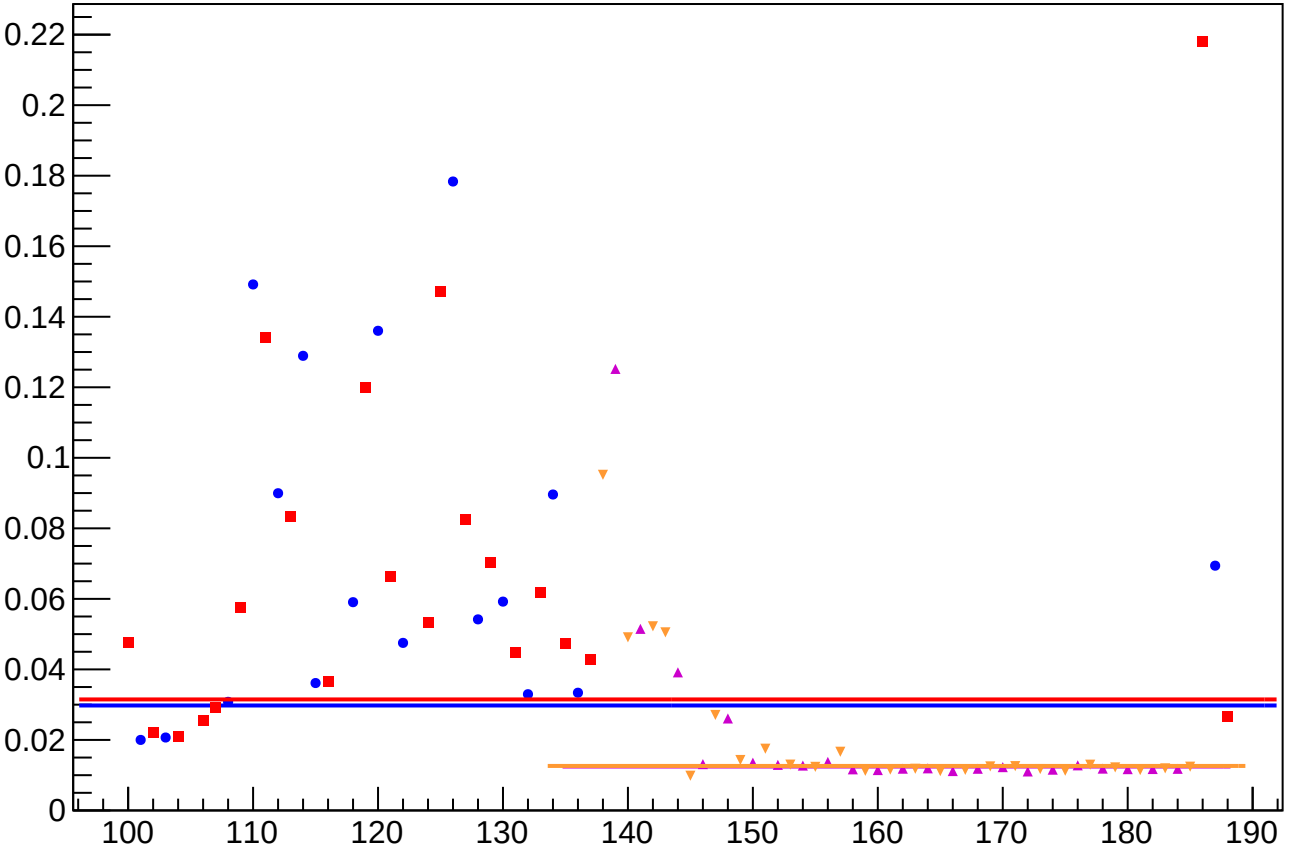
Right: 0.690+/-0.000 χ^2/NDF: 17287359072.5/37

In: 0.872+/-0.000 χ^2/NDF:631742633936.0/39

Out: 0.728+/-0.000 χ^2/NDF:541627184845.4/45

All: 0.799+/-0.000 χ^2/NDF: 1174442500473.

yield_bpm1Y_rms vs Slug, Sign Corrected



Right In: 0.030+/-0.000 χ^2/NDF: 3307418.4/16

Left Out: 0.013+/-0.000 χ^2/NDF:3191407.4/24

Right Out: 0.031+/-0.000 χ^2/NDF: 3929743.6/20

Left In: 0.012+/-0.000 χ^2/NDF:2756702.2/22

Left: 0.013+/-0.000 χ^2/NDF: 5950839.9/47

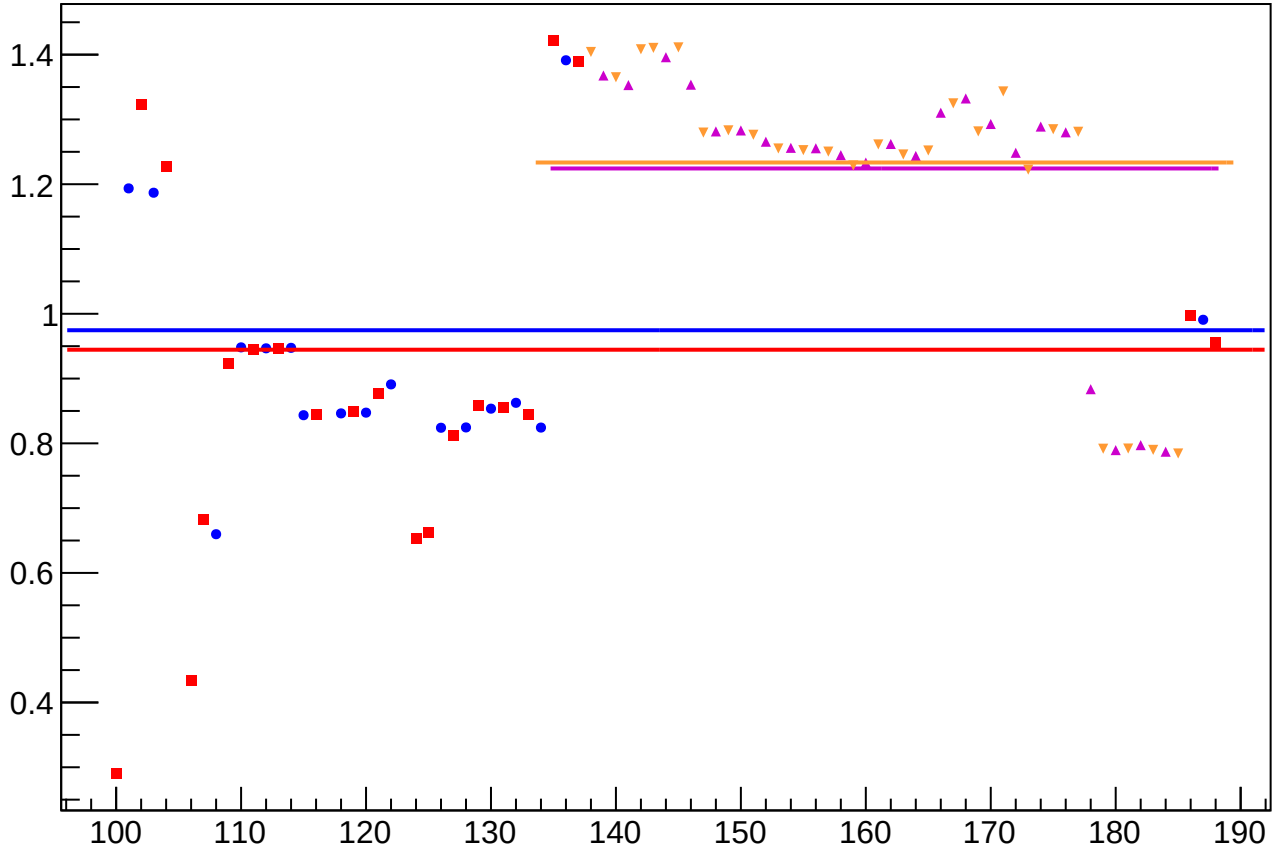
Right: 0.031+/-0.000 χ^2/NDF: 7250848.7/37

In: 0.013+/-0.000 χ^2/NDF:8530994.9/39

Out: 0.014+/-0.000 χ^2/NDF:10529958.7/45

All: 0.013+/-0.000 χ^2/NDF: 19074203.8/85

yield_bpm11X_mean vs Slug, Sign Corrected



Right In: 0.975+/-0.000 χ^2/NDF: 1458799913.0/16

Left Out: 1.234+/-0.000 χ^2/NDF:3043934887.1/24

Right Out: 0.945+/-0.000 χ^2/NDF: 1672213201.3/20

Left In: 1.224+/-0.000 χ^2/NDF:2653773297.1/22

Left: 1.229+/-0.000 χ^2/NDF: 5701436778.1/47

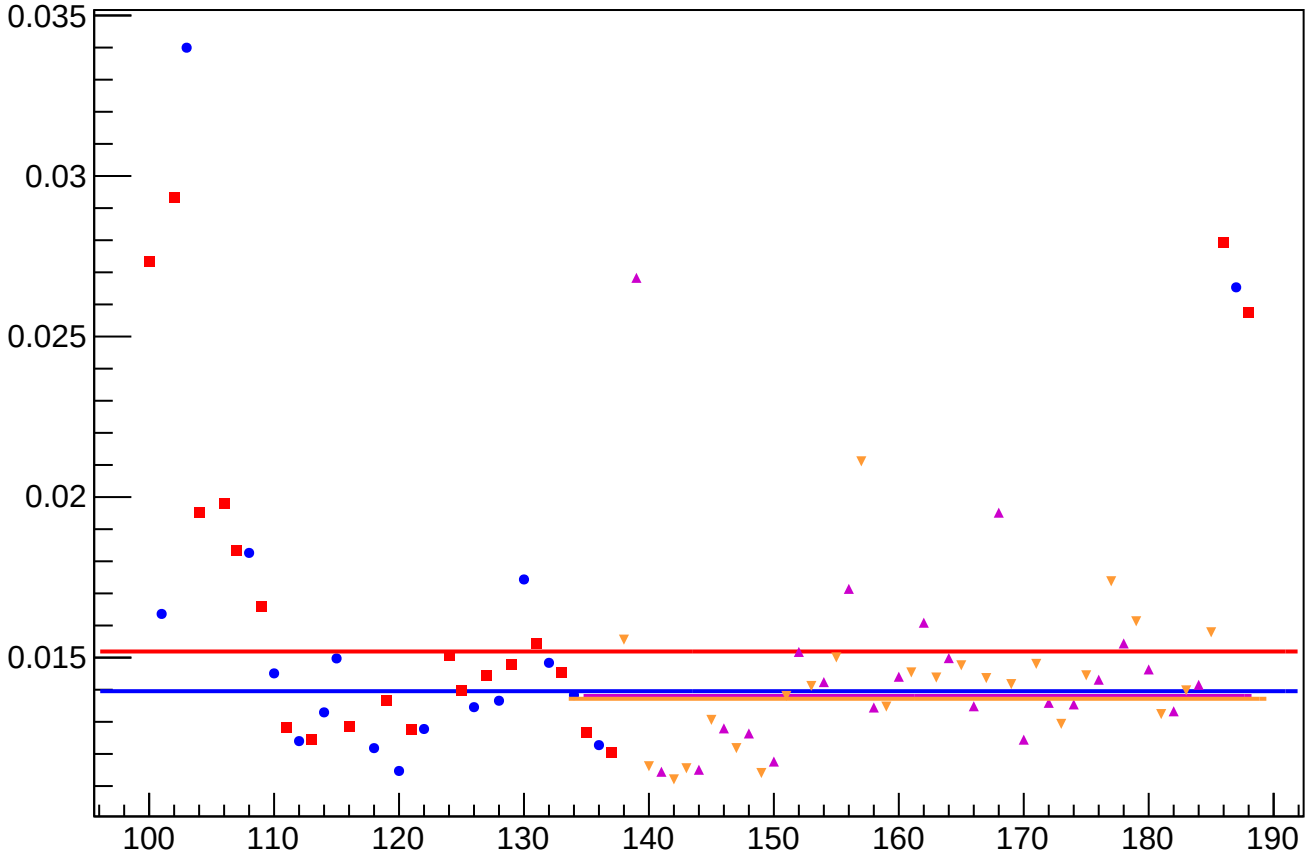
Right: 0.960+/-0.000 χ^2/NDF: 3145721830.6/37

In: 1.155+/-0.000 χ^2/NDF:5583136977.5/39

Out: 1.157+/-0.000 χ^2/NDF:6708613198.4/45

All: 1.156+/-0.000 χ^2/NDF: 12291957357.0/8

yield_bpm11X_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 678402.7/16

Left Out: 0.014+/-0.000 χ^2/NDF:550789.3/24

Right Out: 0.015+/-0.000 χ^2/NDF: 1051267.1/20

Left In: 0.014+/-0.000 χ^2/NDF:870104.2/22

Left: 0.014+/-0.000 χ^2/NDF: 1421553.5/47

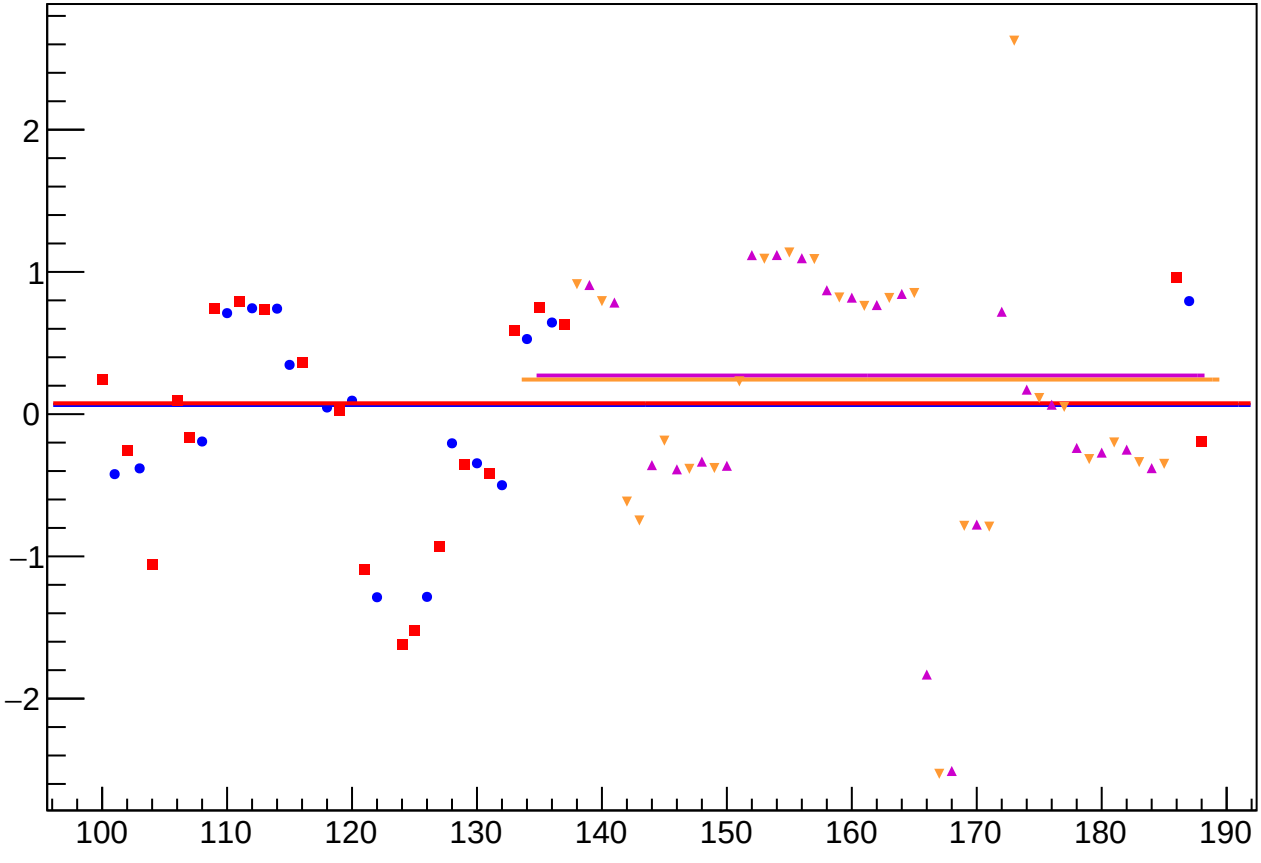
Right: 0.015+/-0.000 χ^2/NDF: 1779357.5/37

In: 0.014+/-0.000 χ^2/NDF:1549567.1/39

Out: 0.014+/-0.000 χ^2/NDF:1705535.2/45

All: 0.014+/-0.000 χ^2/NDF: 3263314.3/85

yield_bpm11Y_mean vs Slug, Sign Corrected



Right In: 0.065+/-0.000 χ^2/NDF: 11047763751.7/16

Left Out: 0.243+/-0.000 χ^2/NDF:105591710525.9/24

Right Out: 0.076+/-0.000 χ^2/NDF: 17957789453.0/20

Left In: 0.271+/-0.000 χ^2/NDF:90500933388.6/22

Left: 0.257+/-0.000 χ^2/NDF: 196139241247.8/47

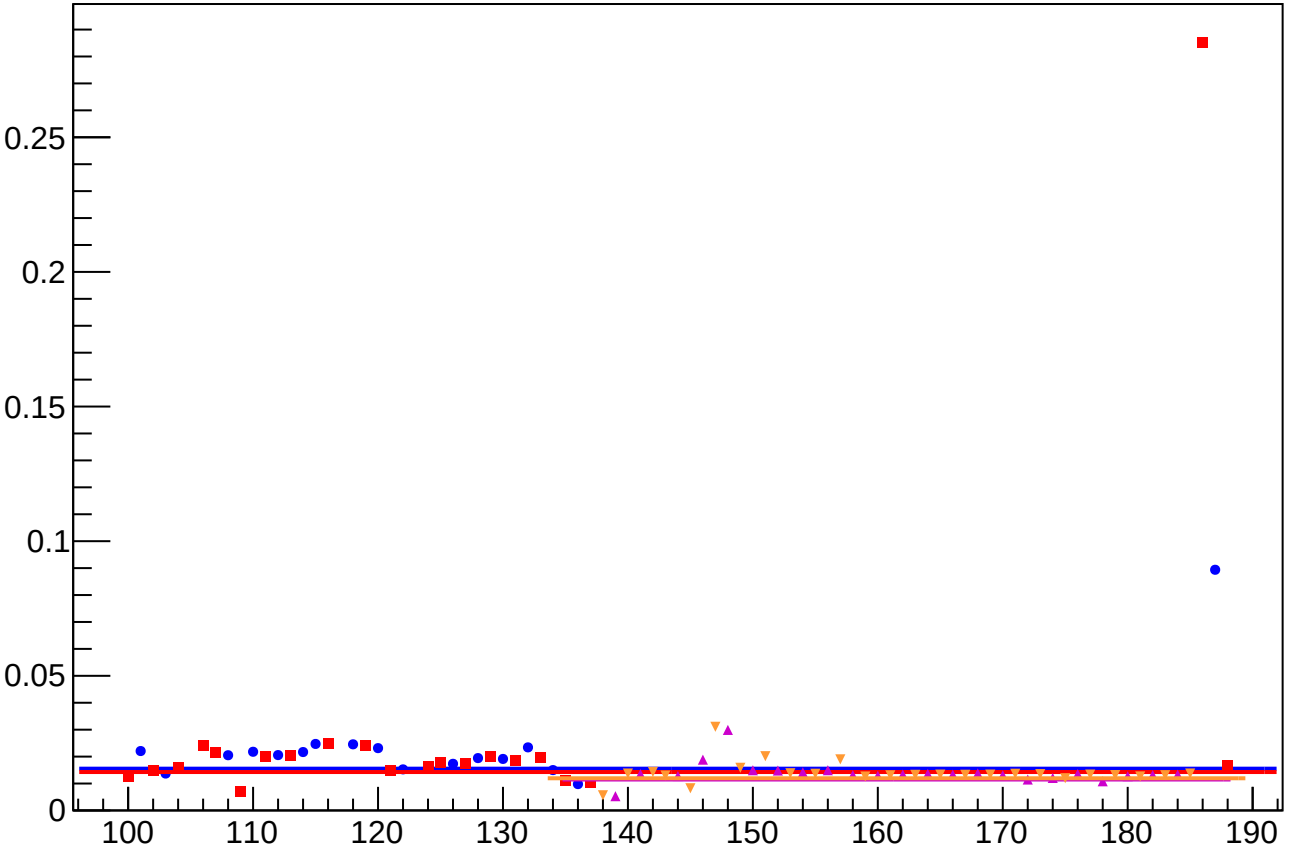
Right: 0.071+/-0.000 χ^2/NDF: 29007503545.5/37

In: 0.235+/-0.000 χ^2/NDF:102436616162.8/39

Out: 0.208+/-0.000 χ^2/NDF:124251191496.6/45

All: 0.221+/-0.000 χ^2/NDF: 226742882362.1

yield_bpm11Y_rms vs Slug, Sign Corrected



Right In: 0.016+/-0.000 χ^2/NDF: 1536228.1/16

Left Out: 0.012+/-0.000 χ^2/NDF:3266034.8/24

Right Out: 0.014+/-0.000 χ^2/NDF: 2401397.6/20

Left In: 0.011+/-0.000 χ^2/NDF:3671096.5/22

Left: 0.012+/-0.000 χ^2/NDF: 6962181.1/47

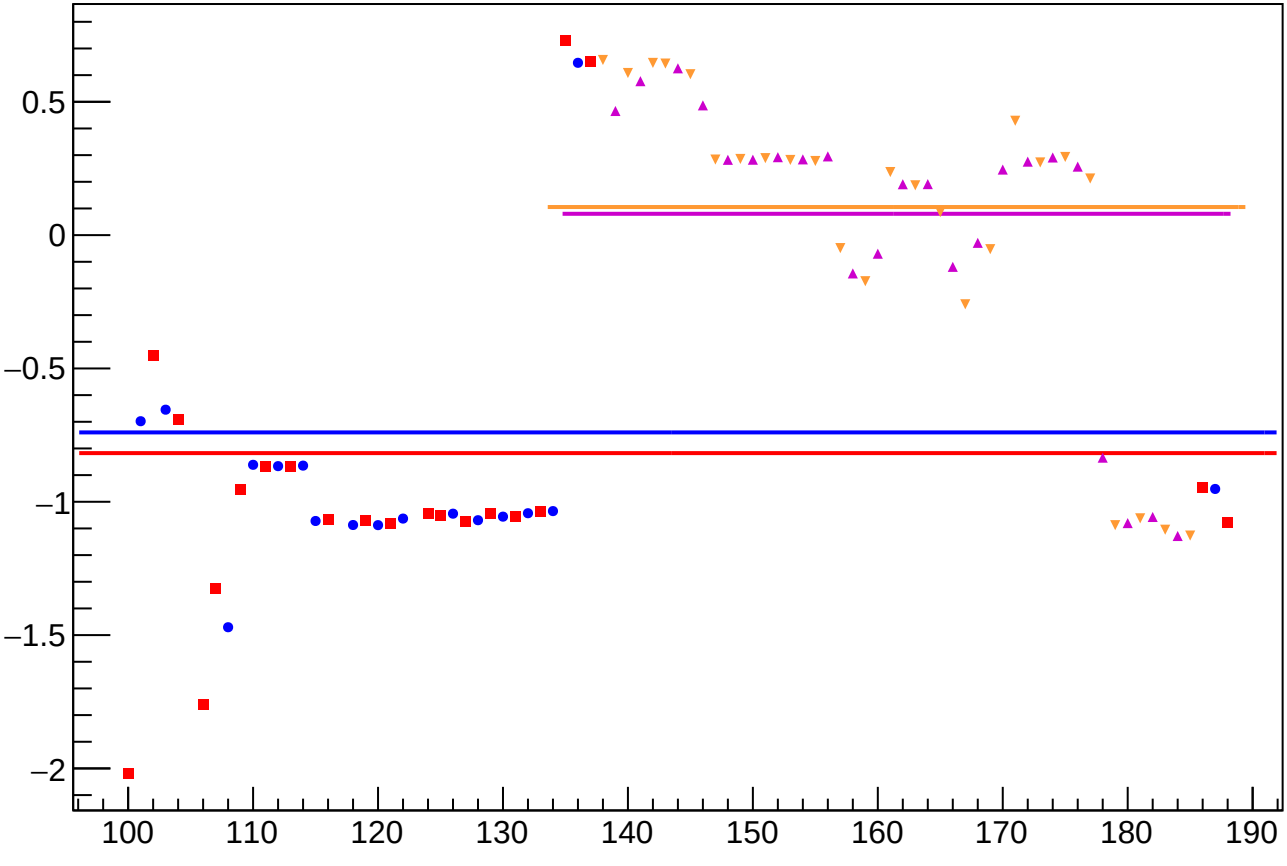
Right: 0.015+/-0.000 χ^2/NDF: 3981574.5/37

In: 0.012+/-0.000 χ^2/NDF:5880807.4/39

Out: 0.012+/-0.000 χ^2/NDF:5938079.6/45

All: 0.012+/-0.000 χ^2/NDF: 11827897.6/85

yield_bpm12X_mean vs Slug, Sign Corrected



Right In: -0.740+/-0.000 χ^2/NDF: 2075315252.6/16

Left Out: 0.105+/-0.000 χ^2/NDF:3787188881.7/24

Right Out: -0.817+/-0.000 χ^2/NDF: 1907687953.0/20

Left In: 0.080+/-0.000 χ^2/NDF:3269598614.0/22

Left: 0.093+/-0.000 χ^2/NDF: 7060999344.9/47

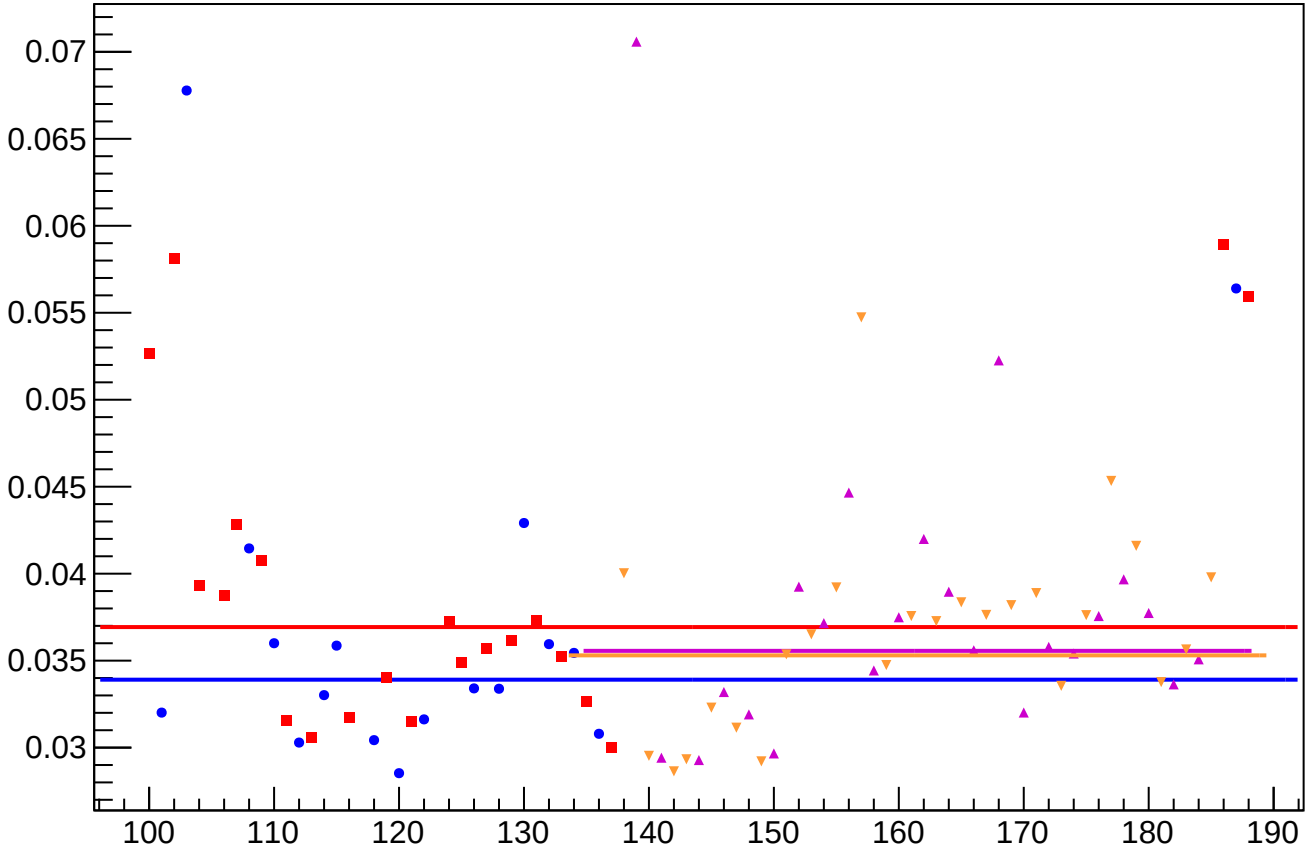
Right: -0.779+/-0.000 χ^2/NDF: 3999860720.2/37

In: -0.171+/-0.000 χ^2/NDF:7961535247.4/39

Out: -0.165+/-0.000 χ^2/NDF:9056973551.2/45

All: -0.168+/-0.000 χ^2/NDF: 17018871721.7/

yield_bpm12X_rms vs Slug, Sign Corrected



Right In: 0.034+/-0.000 χ^2/NDF: 475793.3/16

Left Out: 0.035+/-0.000 χ^2/NDF:612627.1/24

Right Out: 0.037+/-0.000 χ^2/NDF: 644830.6/20

Left In: 0.036+/-0.000 χ^2/NDF:960383.5/22

Left: 0.035+/-0.000 χ^2/NDF: 1573892.0/47

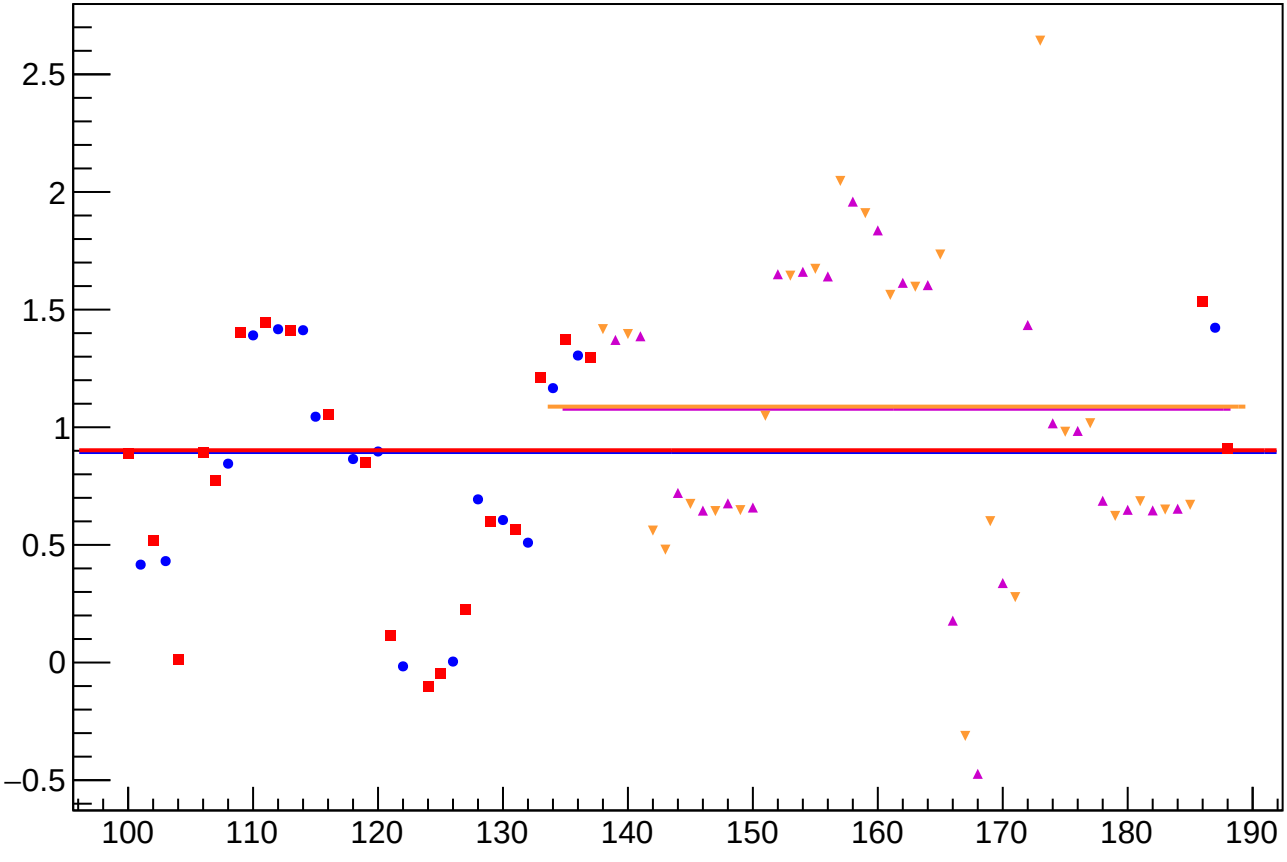
Right: 0.035+/-0.000 χ^2/NDF: 1171808.1/37

In: 0.035+/-0.000 χ^2/NDF:1457570.9/39

Out: 0.036+/-0.000 χ^2/NDF:1278343.0/45

All: 0.035+/-0.000 χ^2/NDF: 2745704.0/85

yield_bpm12Y_mean vs Slug, Sign Corrected



Right In: 0.895+/-0.000 χ^2/NDF: 12763447196.8/16

Left Out: 1.088+/-0.000 χ^2/NDF:93851056436.3/24

Right Out: 0.902+/-0.000 χ^2/NDF: 17897493613.8/20

Left In: 1.079+/-0.000 χ^2/NDF:74081002727.0/22

Left: 1.083+/-0.000 χ^2/NDF: 167940854654.3/47

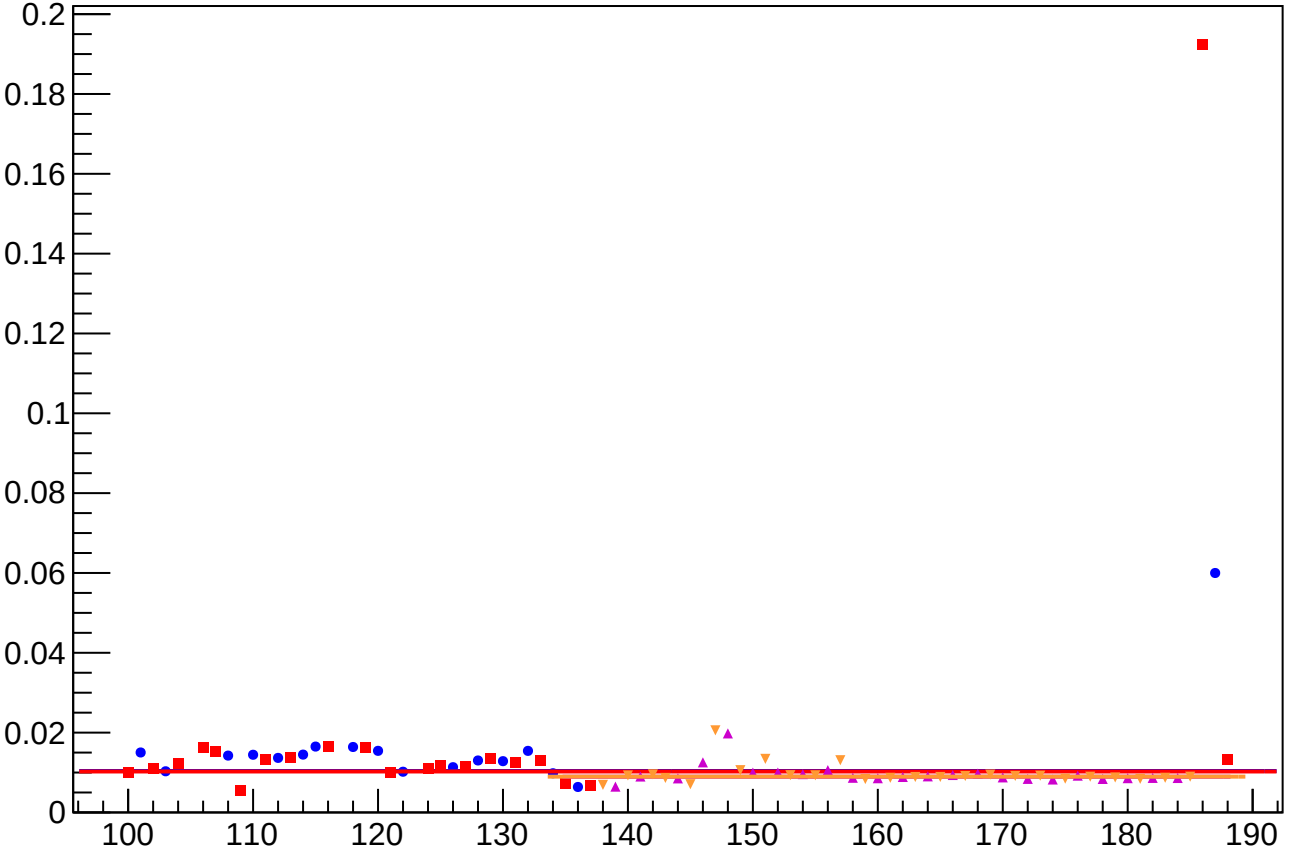
Right: 0.899+/-0.000 χ^2/NDF: 30662598815.5/37

In: 1.040+/-0.000 χ^2/NDF:88339105507.8/39

Out: 1.046+/-0.000 χ^2/NDF:113462265441.2/45

All: 1.044+/-0.000 χ^2/NDF: 201806605457.0

yield_bpm12Y_rms vs Slug, Sign Corrected



Right In: 0.010+/-0.000 χ^2/NDF: 1592812.3/16

Left Out: 0.009+/-0.000 χ^2/NDF:1146497.6/24

Right Out: 0.010+/-0.000 χ^2/NDF: 2087315.3/20

Left In: 0.009+/-0.000 χ^2/NDF:966765.2/22

Left: 0.009+/-0.000 χ^2/NDF: 2113402.8/47

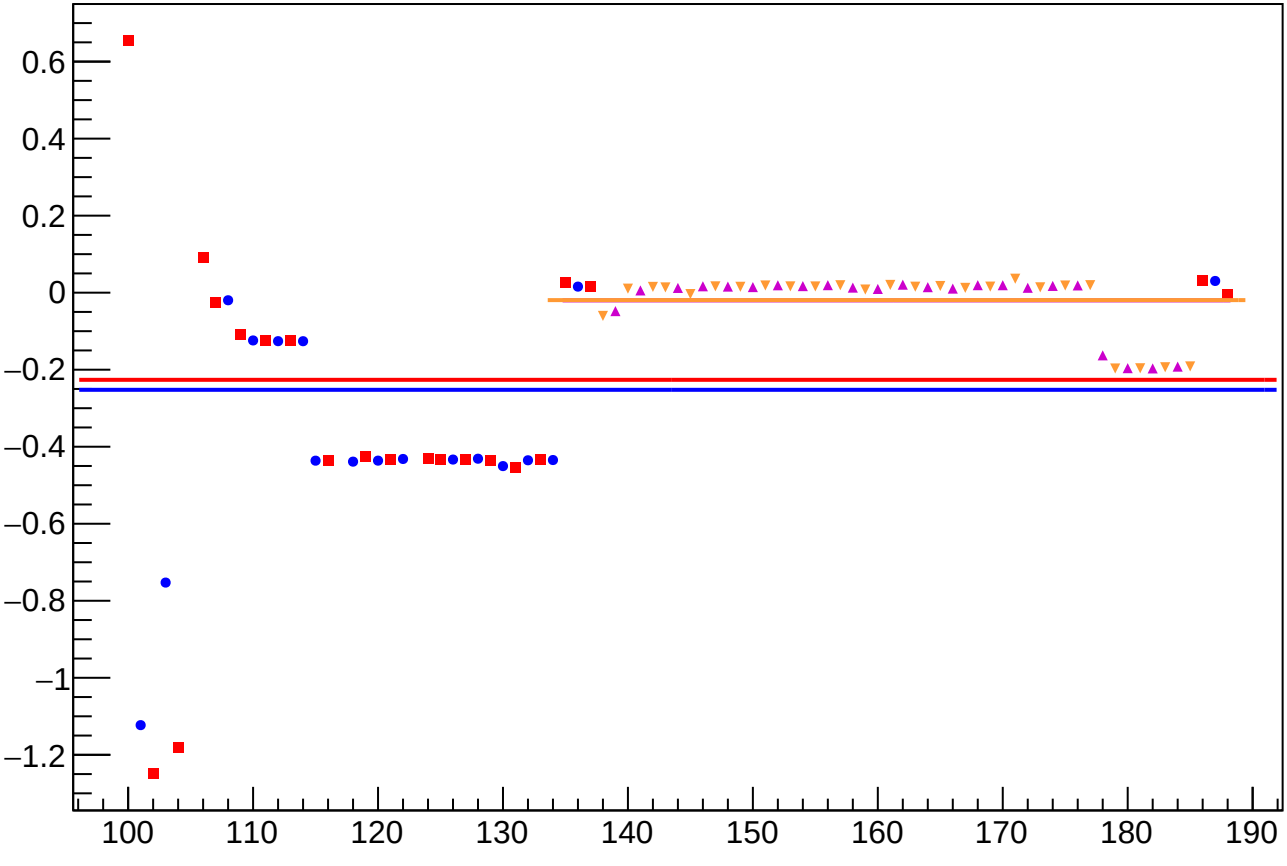
Right: 0.010+/-0.000 χ^2/NDF: 3680944.1/37

In: 0.009+/-0.000 χ^2/NDF:2742060.2/39

Out: 0.009+/-0.000 χ^2/NDF:3400859.3/45

All: 0.009+/-0.000 χ^2/NDF: 6142968.7/85

yield_bpm16X_mean vs Slug, Sign Corrected



Right In: -0.252+/-0.000 χ^2/NDF: 2032069174.3/16

Left Out: -0.019+/-0.000 χ^2/NDF:1058597672.8/24

Right Out: -0.226+/-0.000 χ^2/NDF: 1843859755.7/20

Left In: -0.020+/-0.000 χ^2/NDF:984483299.5/22

Left: -0.020+/-0.000 χ^2/NDF: 2043130063.5/47

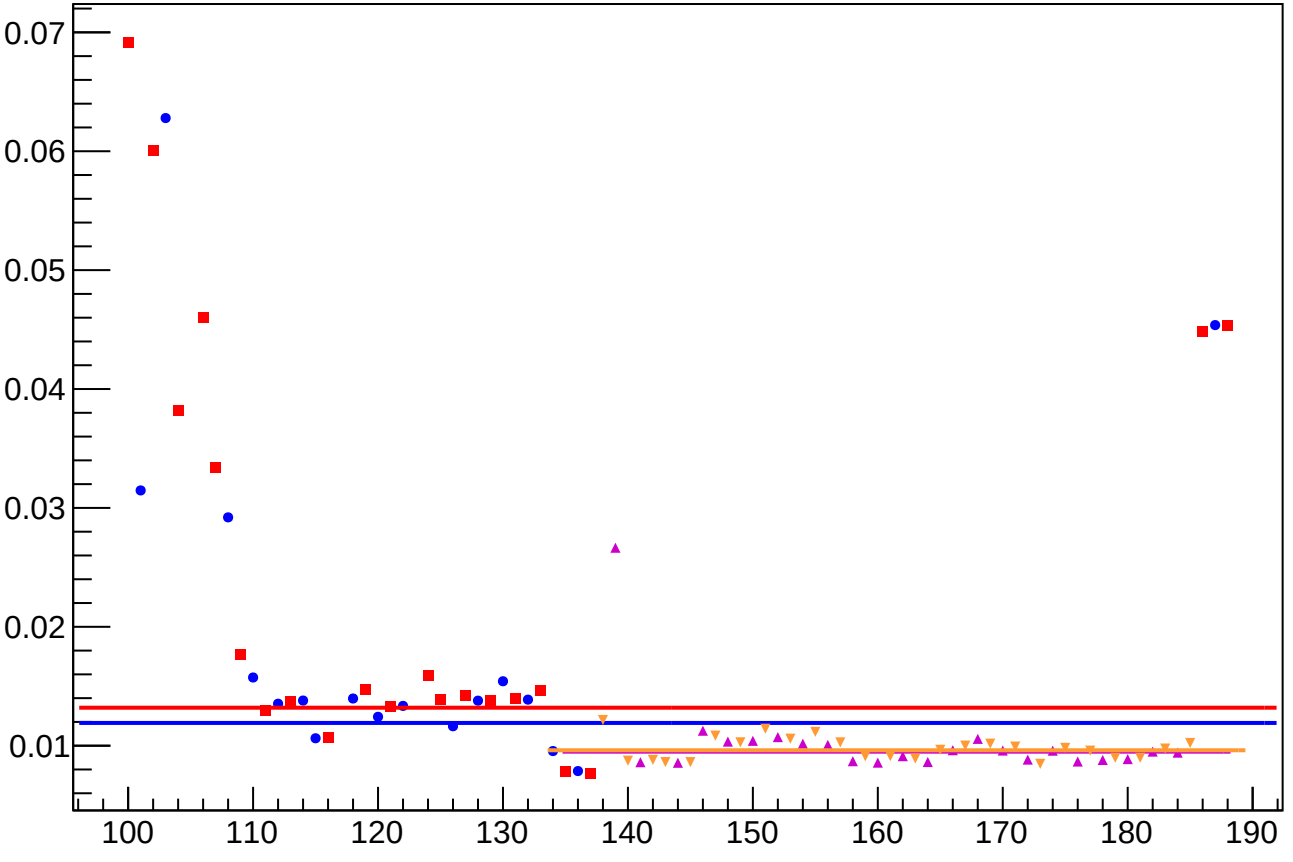
Right: -0.240+/-0.000 χ^2/NDF: 3887343907.3/37

In: -0.061+/-0.000 χ^2/NDF:4600920732.4/39

Out: -0.051+/-0.000 χ^2/NDF:4075389852.0/45

All: -0.056+/-0.000 χ^2/NDF: 8685152107.5/8

yield_bpm16X_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 2133915.3/16

Left Out: 0.010+/-0.000 χ^2/NDF:271912.7/24

Right Out: 0.013+/-0.000 χ^2/NDF: 3534975.5/20

Left In: 0.009+/-0.000 χ^2/NDF:900469.0/22

Left: 0.010+/-0.000 χ^2/NDF: 1174797.3/47

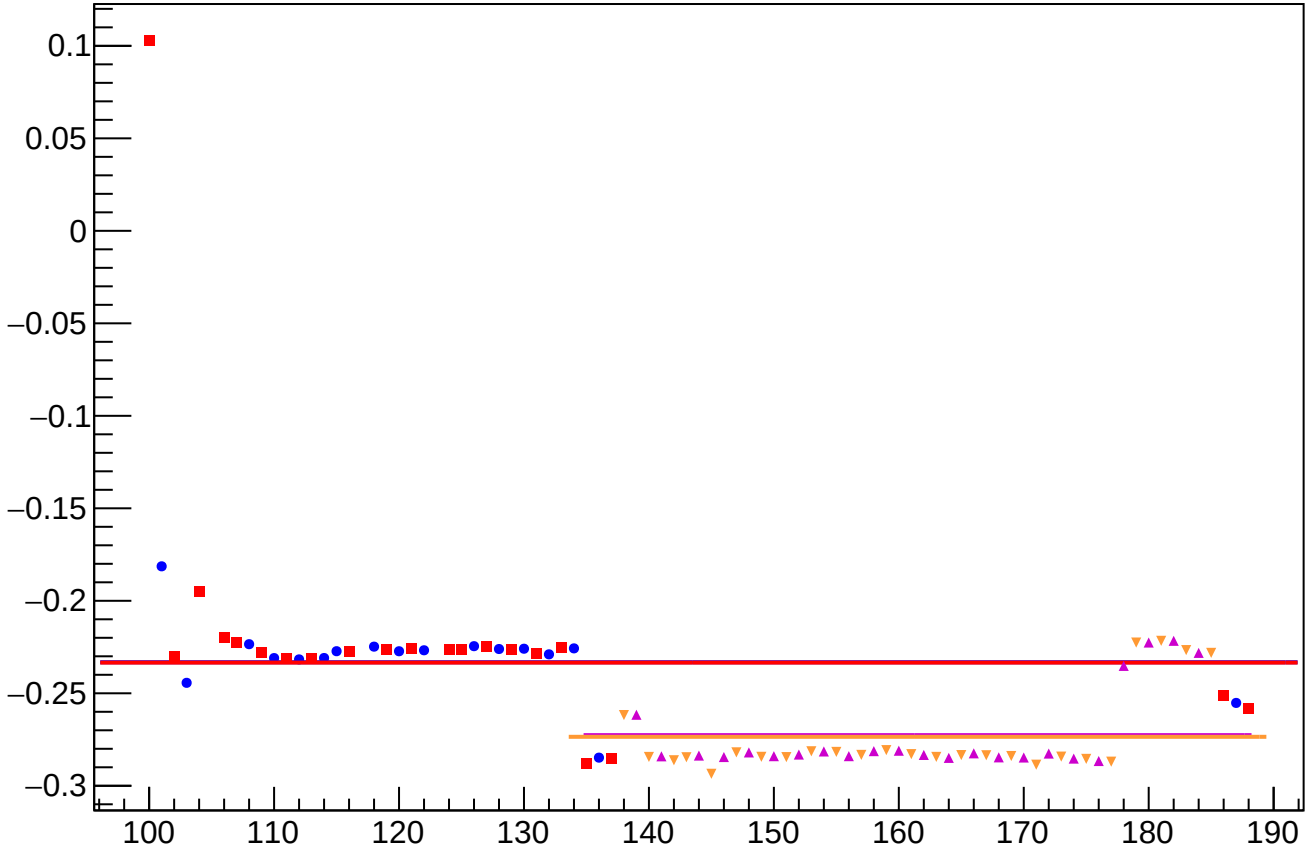
Right: 0.013+/-0.000 χ^2/NDF: 5724585.9/37

In: 0.010+/-0.000 χ^2/NDF:3377691.4/39

Out: 0.010+/-0.000 χ^2/NDF:4508751.6/45

All: 0.010+/-0.000 χ^2/NDF: 7899365.0/85

yield_bpm16Y_mean vs Slug, Sign Corrected



Right In: -0.233+/-0.000 χ^2/NDF: 199785000.0/16

Left Out: -0.274+/-0.000 χ^2/NDF:395563277.1/24

Right Out: -0.233+/-0.000 χ^2/NDF: 300173928.0/20

Left In: -0.273+/-0.000 χ^2/NDF:335149425.2/22

Left: -0.273+/-0.000 χ^2/NDF: 730998387.7/47

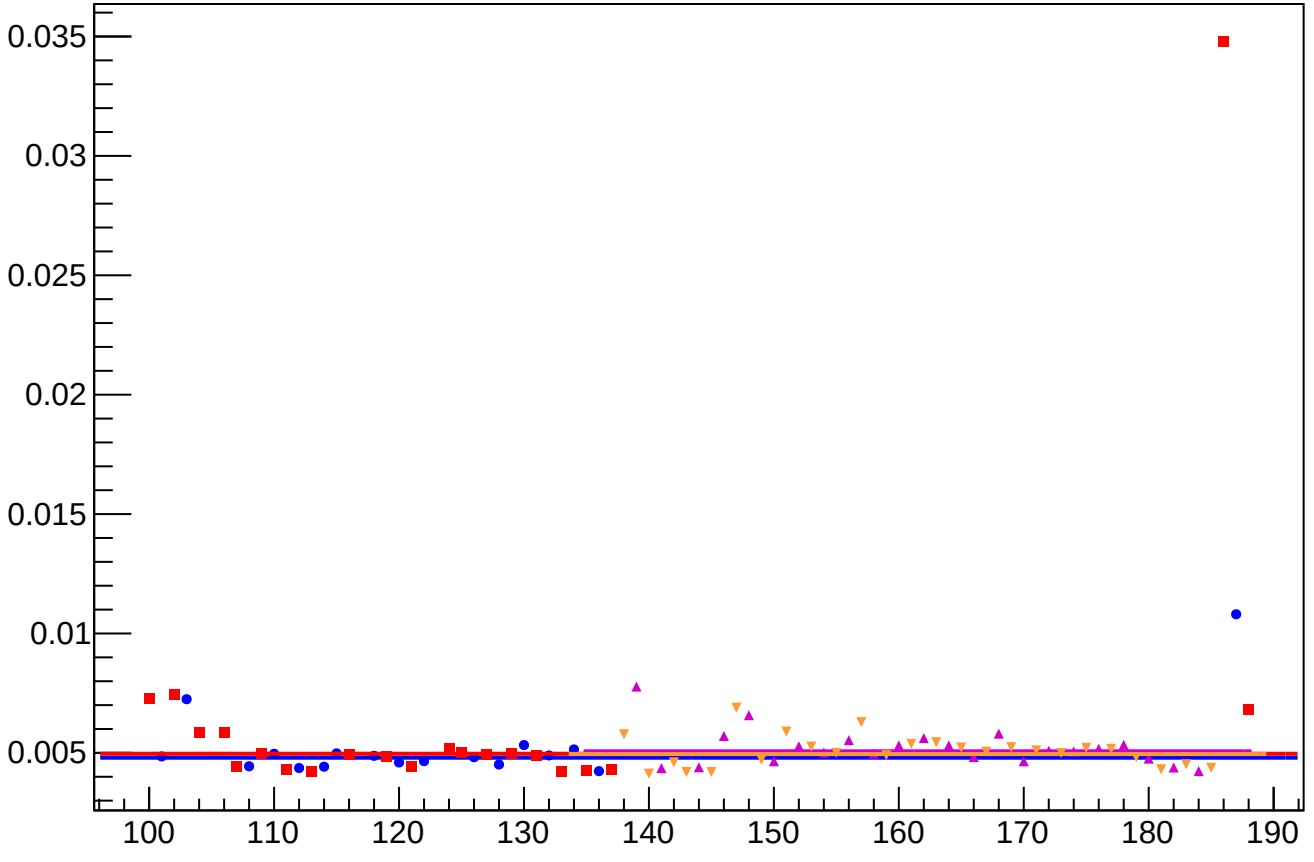
Right: -0.233+/-0.000 χ^2/NDF: 499963872.4/37

In: -0.261+/-0.000 χ^2/NDF:844988496.2/39

Out: -0.262+/-0.000 χ^2/NDF:1046995107.8/45

All: -0.261+/-0.000 χ^2/NDF: 1892312419.1/8

yield_bpm16Y_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 300072.6/16

Left Out: 0.005+/-0.000 χ^2/NDF:528766.8/24

Right Out: 0.005+/-0.000 χ^2/NDF: 1005817.8/20

Left In: 0.005+/-0.000 χ^2/NDF:539392.8/22

Left: 0.005+/-0.000 χ^2/NDF: 1077679.9/47

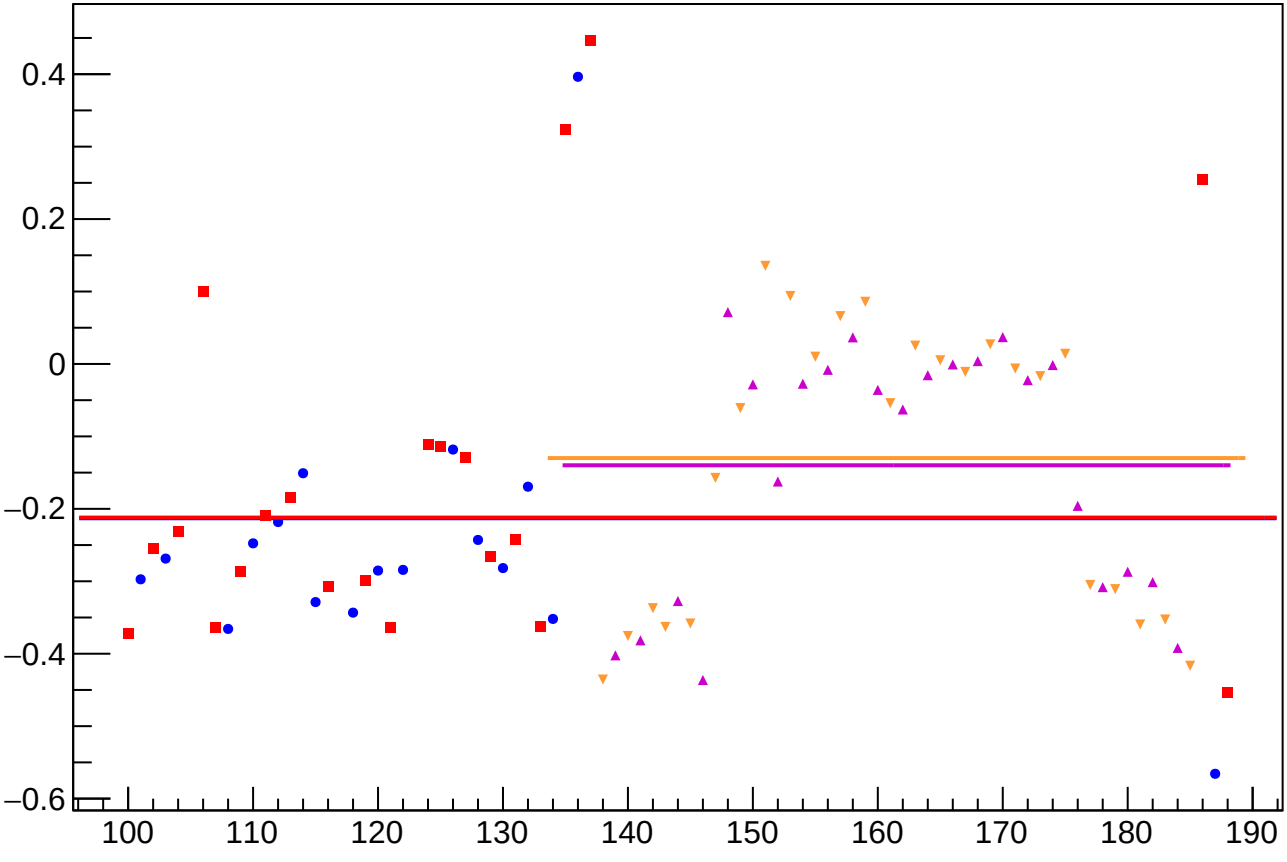
Right: 0.005+/-0.000 χ^2/NDF: 1314176.6/37

In: 0.005+/-0.000 χ^2/NDF:868263.1/39

Out: 0.005+/-0.000 χ^2/NDF:1534683.9/45

All: 0.005+/-0.000 χ^2/NDF: 2403956.9/85

yield_bpm0i02X_mean vs Slug, Sign Corrected



Right In: -0.213+/-0.000 χ^2/NDF: 6603502430.1/16

Left Out: -0.130+/-0.000 χ^2/NDF:21496239338.5/24

Right Out: -0.212+/-0.000 χ^2/NDF: 8159944277.3/20

Left In: -0.140+/-0.000 χ^2/NDF:15148699439.4/22

Left: -0.135+/-0.000 χ^2/NDF: 36673480193.4/47

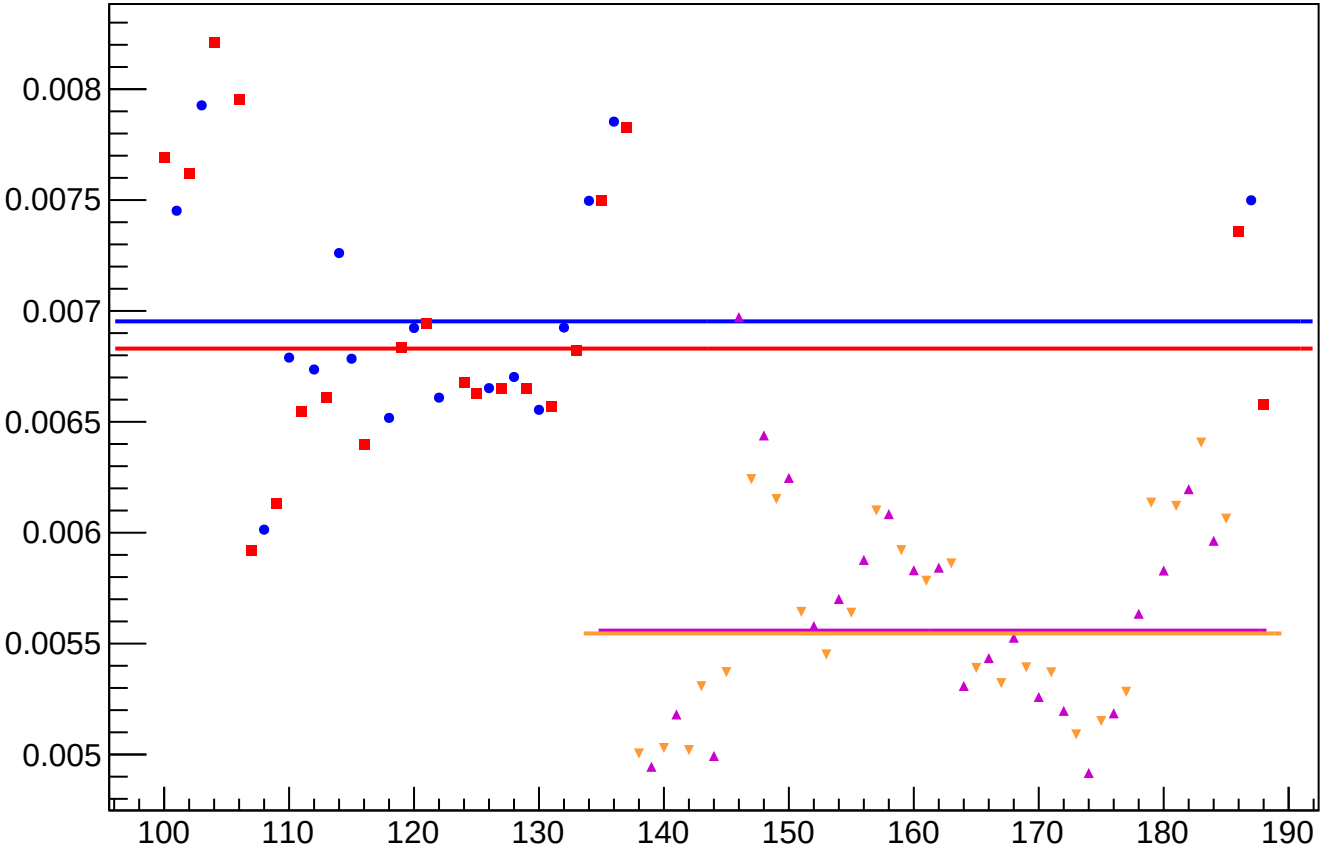
Right: -0.212+/-0.000 χ^2/NDF: 14763515589.6/37

In: -0.155+/-0.000 χ^2/NDF:22382071106.8/39

Out: -0.149+/-0.000 χ^2/NDF:30603168155.9/45

All: -0.152+/-0.000 χ^2/NDF: 52998735169.8/

yield_bpm0i02X_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 87143.5/16

Left Out: 0.006+/-0.000 χ^2/NDF:201874.8/24

Right Out: 0.007+/-0.000 χ^2/NDF: 106755.7/20

Left In: 0.006+/-0.000 χ^2/NDF:260994.3/22

Left: 0.006+/-0.000 χ^2/NDF: 462963.1/47

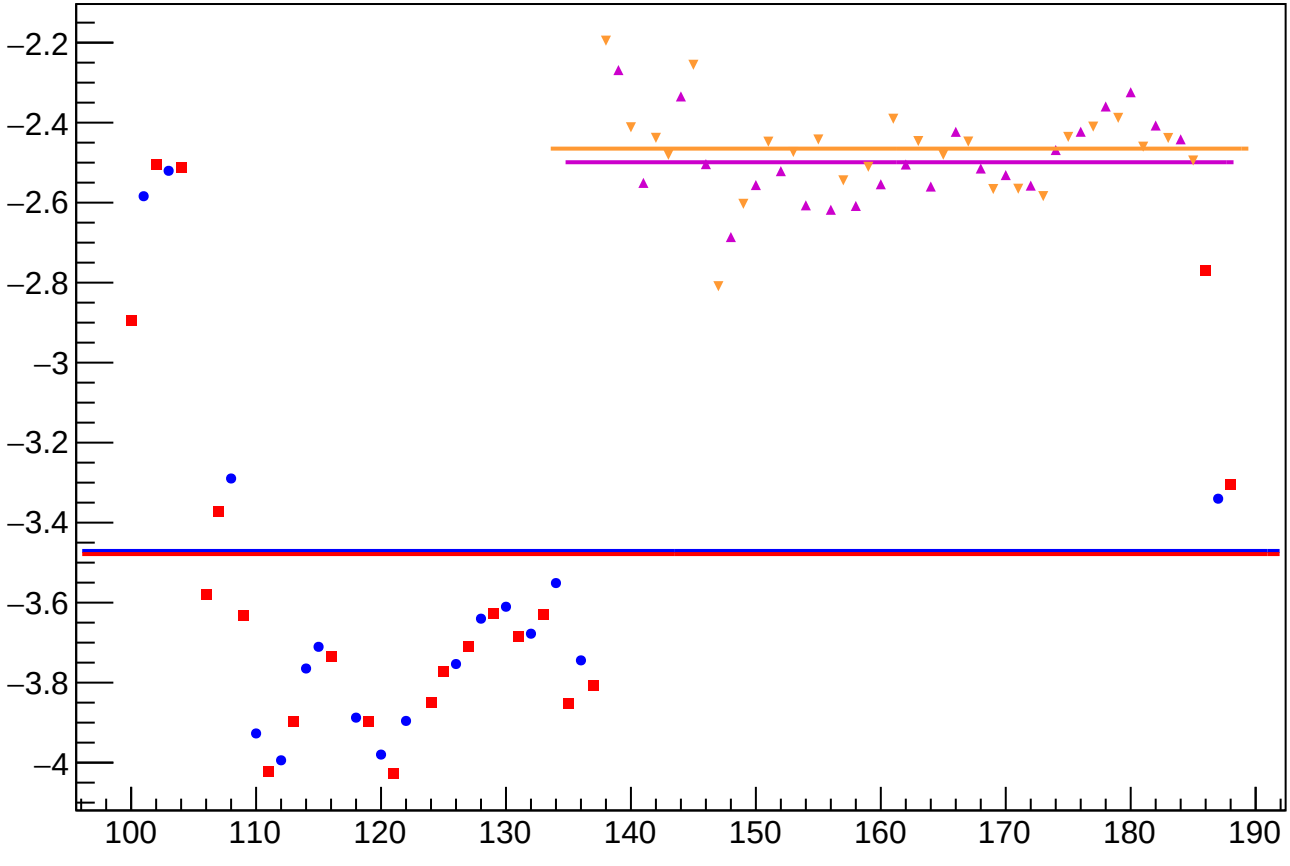
Right: 0.007+/-0.000 χ^2/NDF: 196375.6/37

In: 0.006+/-0.000 χ^2/NDF:806411.0/39

Out: 0.006+/-0.000 χ^2/NDF:771845.6/45

All: 0.006+/-0.000 χ^2/NDF: 1578271.3/85

yield_bpm0i02Y_mean vs Slug, Sign Corrected



Right In: -3.471+/-0.000 χ^2/NDF: 29612779294.7/16

Left Out: -2.465+/-0.000 χ^2/NDF:2167098053.0/24

Right Out: -3.479+/-0.000 χ^2/NDF: 31641885427.9/20

Left In: -2.499+/-0.000 χ^2/NDF:2273256162.3/22

Left: -2.482+/-0.000 χ^2/NDF: 4579764851.4/47

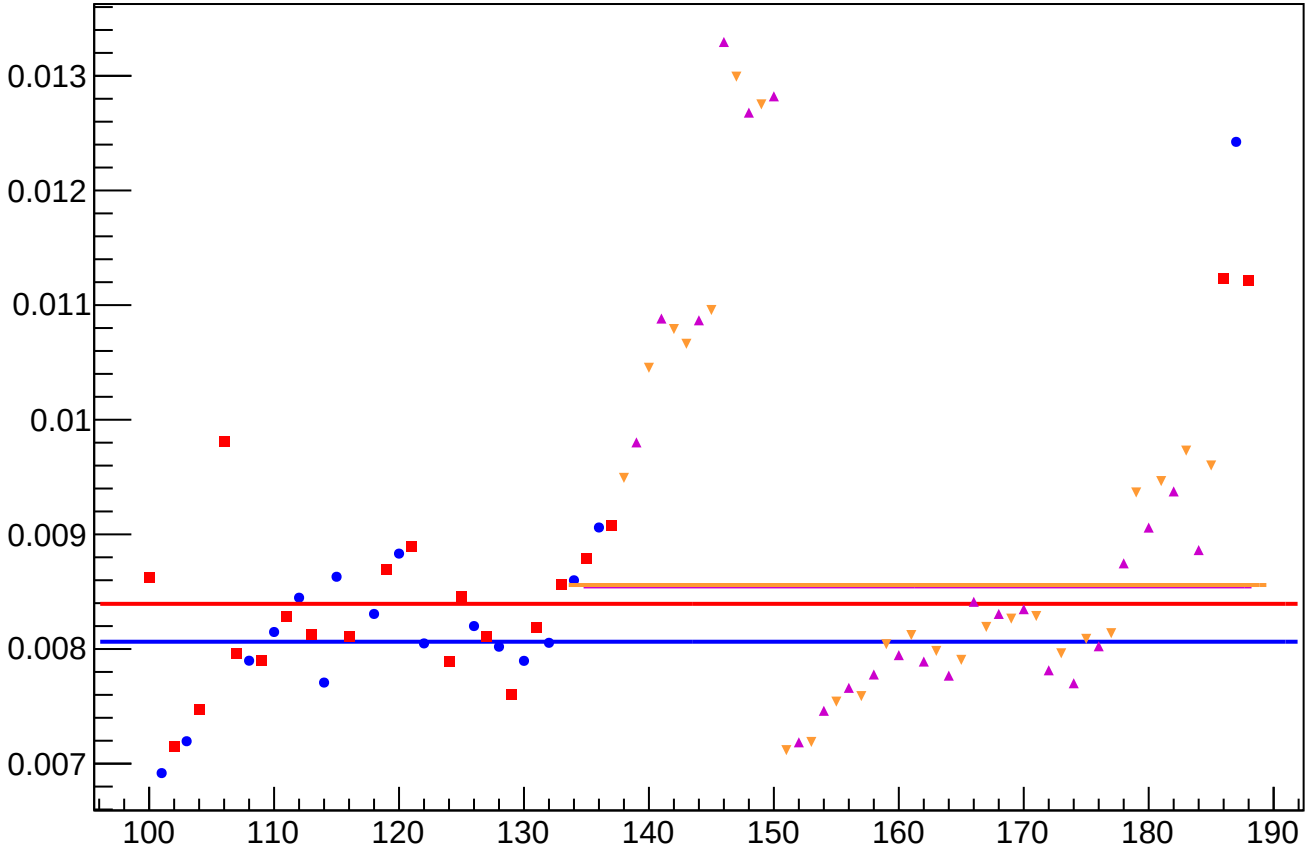
Right: -3.475+/-0.000 χ^2/NDF: 61258146355.8/37

In: -2.810+/-0.000 χ^2/NDF:102512714851.6/39

Out: -2.794+/-0.000 χ^2/NDF:116179939782.6/45

All: -2.802+/-0.000 χ^2/NDF: 218735032998.0

yield_bpm0i02Y_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 131753.1/16

Left Out: 0.009+/-0.000 χ^2/NDF:824029.0/24

Right Out: 0.008+/-0.000 χ^2/NDF: 258667.2/20

Left In: 0.009+/-0.000 χ^2/NDF:910760.2/22

Left: 0.009+/-0.000 χ^2/NDF: 1734826.3/47

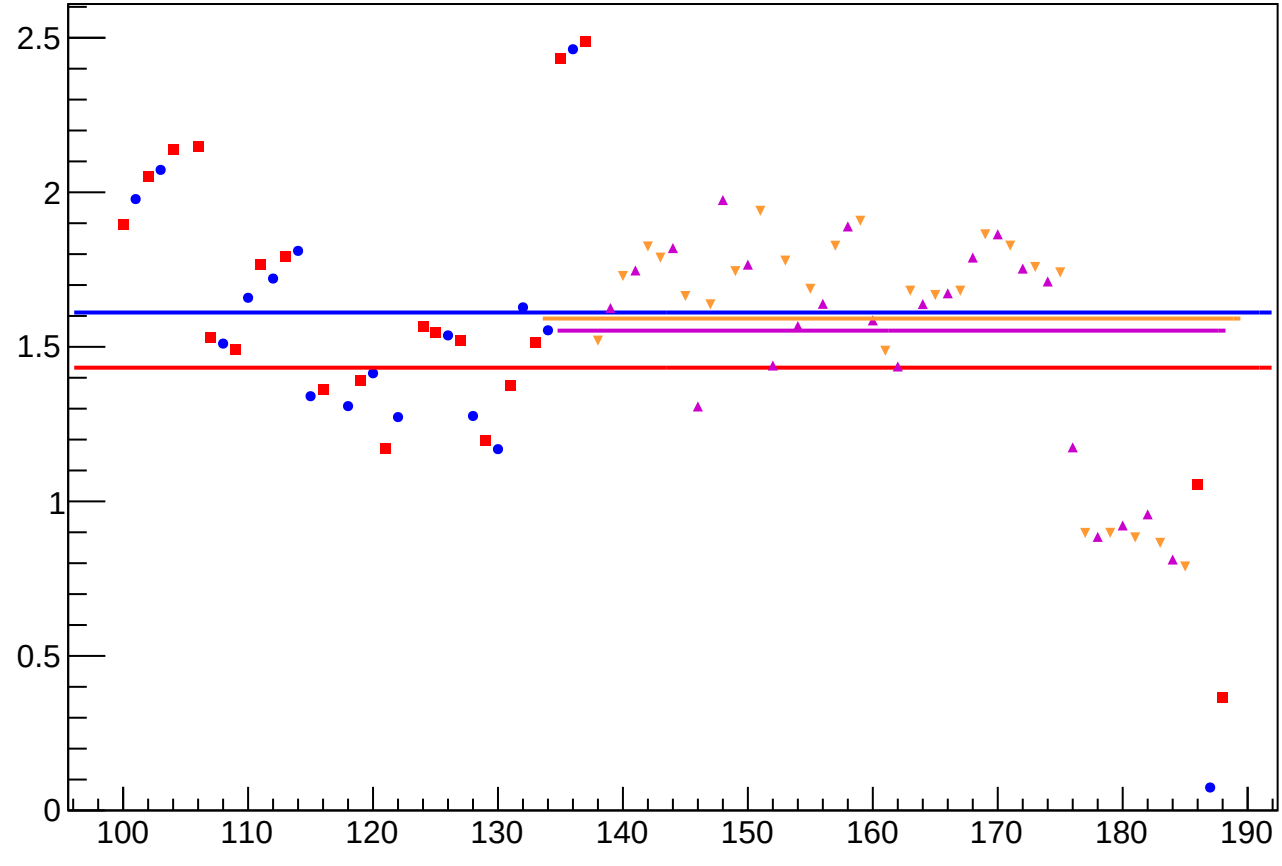
Right: 0.008+/-0.000 χ^2/NDF: 402891.9/37

In: 0.008+/-0.000 χ^2/NDF:1077314.0/39

Out: 0.009+/-0.000 χ^2/NDF:1087021.4/45

All: 0.008+/-0.000 χ^2/NDF: 2168881.4/85

yield_bpm0i02aX_mean vs Slug, Sign Corrected



Right In: 1.611+/-0.000 χ^2/NDF: 9773210619.5/16

Left Out: 1.592+/-0.000 χ^2/NDF:17078853061.6/24

Right Out: 1.433+/-0.000 χ^2/NDF: 19610375295.5/20

Left In: 1.552+/-0.000 χ^2/NDF:14055987405.9/22

Left: 1.573+/-0.000 χ^2/NDF: 31243382500.9/47

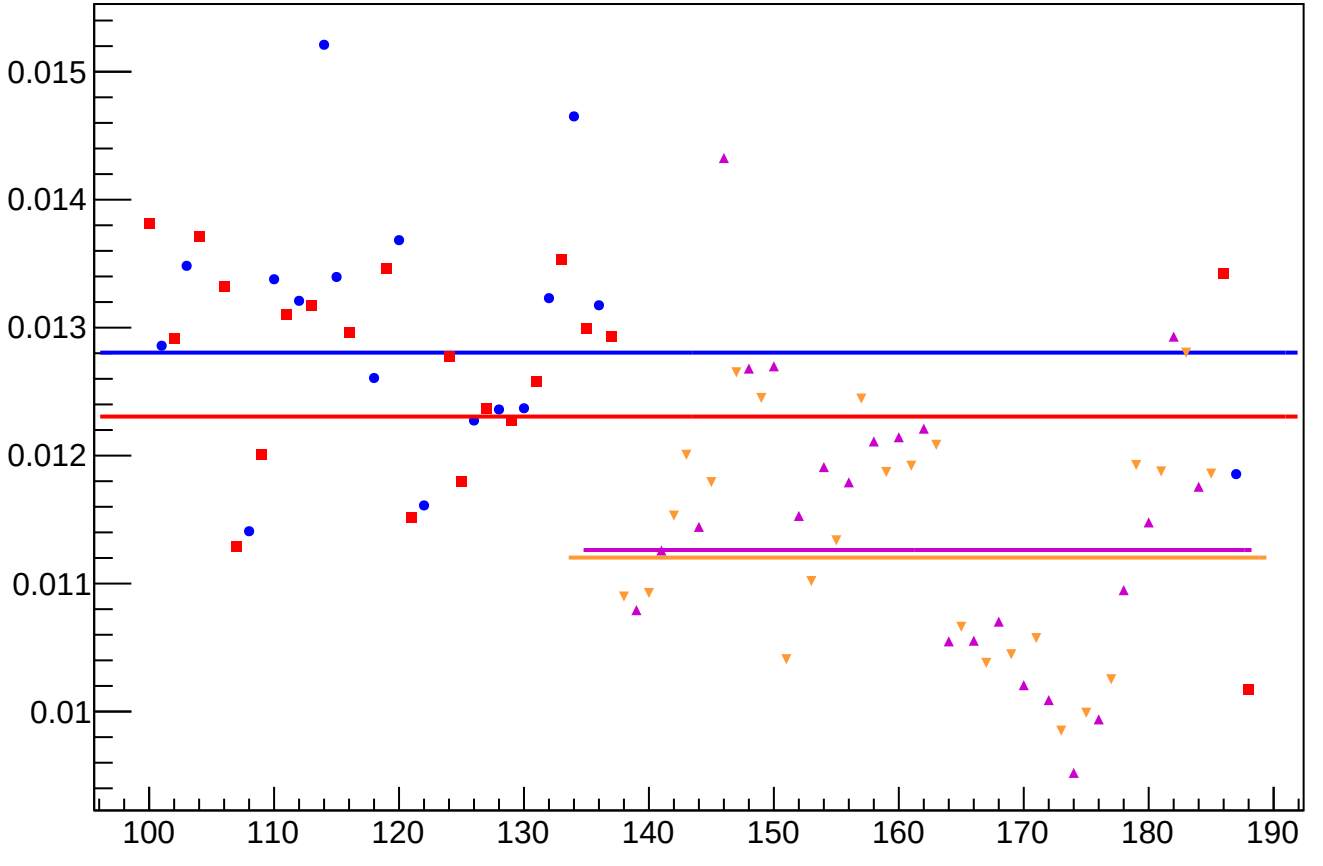
Right: 1.511+/-0.000 χ^2/NDF: 30168352164.3/37

In: 1.567+/-0.000 χ^2/NDF:23943554472.8/39

Out: 1.548+/-0.000 χ^2/NDF:37716006170.0/45

All: 1.557+/-0.000 χ^2/NDF: 61694226378.3/8

yield_bpm0i02aX_rms vs Slug, Sign Corrected



Right In: 0.013+/-0.000 χ^2/NDF: 54887.5/16

Left Out: 0.011+/-0.000 χ^2/NDF:223594.3/24

Right Out: 0.012+/-0.000 χ^2/NDF: 144789.5/20

Left In: 0.011+/-0.000 χ^2/NDF:311660.7/22

Left: 0.011+/-0.000 χ^2/NDF: 535750.7/47

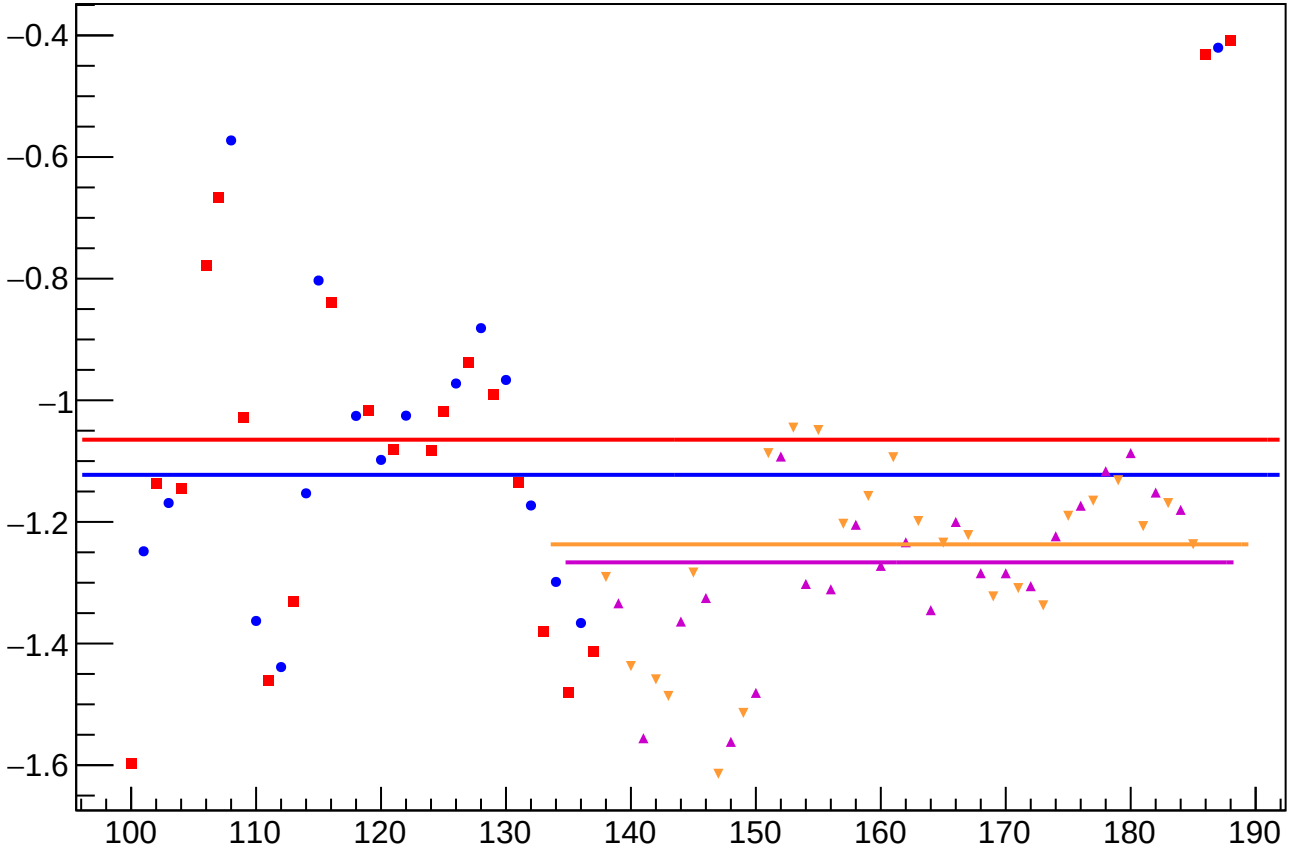
Right: 0.013+/-0.000 χ^2/NDF: 211973.5/37

In: 0.012+/-0.000 χ^2/NDF:524622.7/39

Out: 0.012+/-0.000 χ^2/NDF:467101.8/45

All: 0.012+/-0.000 χ^2/NDF: 994939.3/85

yield_bpm0i02aY_mean vs Slug, Sign Corrected



Right In: -1.123+/-0.000 χ^2/NDF: 4301070068.3/16

Left Out: -1.237+/-0.000 χ^2/NDF:4972272024.7/24

Right Out: -1.065+/-0.000 χ^2/NDF: 8469450730.0/20

Left In: -1.267+/-0.000 χ^2/NDF:3674801511.3/22

Left: -1.251+/-0.000 χ^2/NDF: 8764581472.4/47

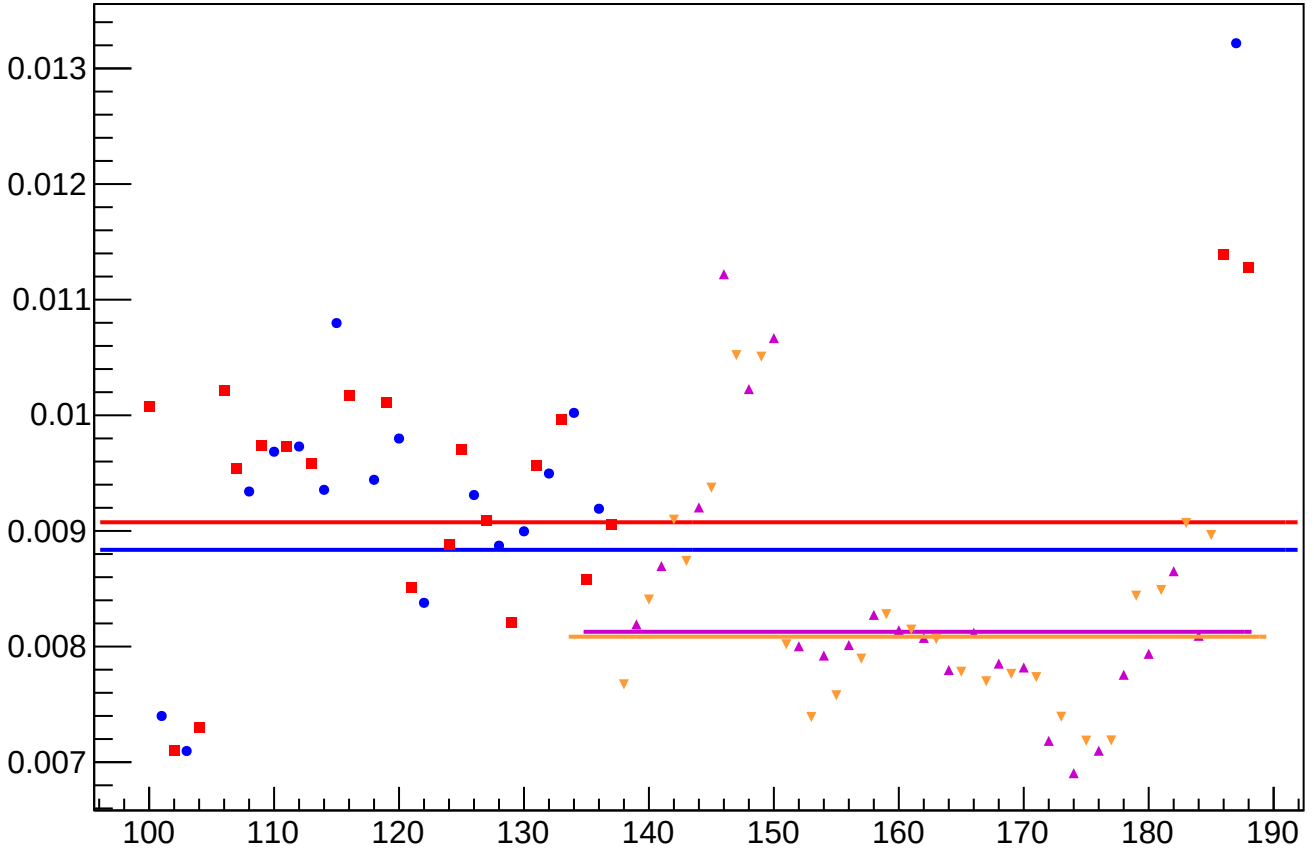
Right: -1.092+/-0.000 χ^2/NDF: 12928347023.4/37

In: -1.230+/-0.000 χ^2/NDF:9356377844.8/39

Out: -1.191+/-0.000 χ^2/NDF:15612506406.4/45

All: -1.210+/-0.000 χ^2/NDF: 25233965672.1/

yield_bpm0i02aY_rms vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 213246.4/16

Left Out: 0.008+/-0.000 χ^2/NDF:326825.0/24

Right Out: 0.009+/-0.000 χ^2/NDF: 321469.0/20

Left In: 0.008+/-0.000 χ^2/NDF:409030.0/22

Left: 0.008+/-0.000 χ^2/NDF: 736335.1/47

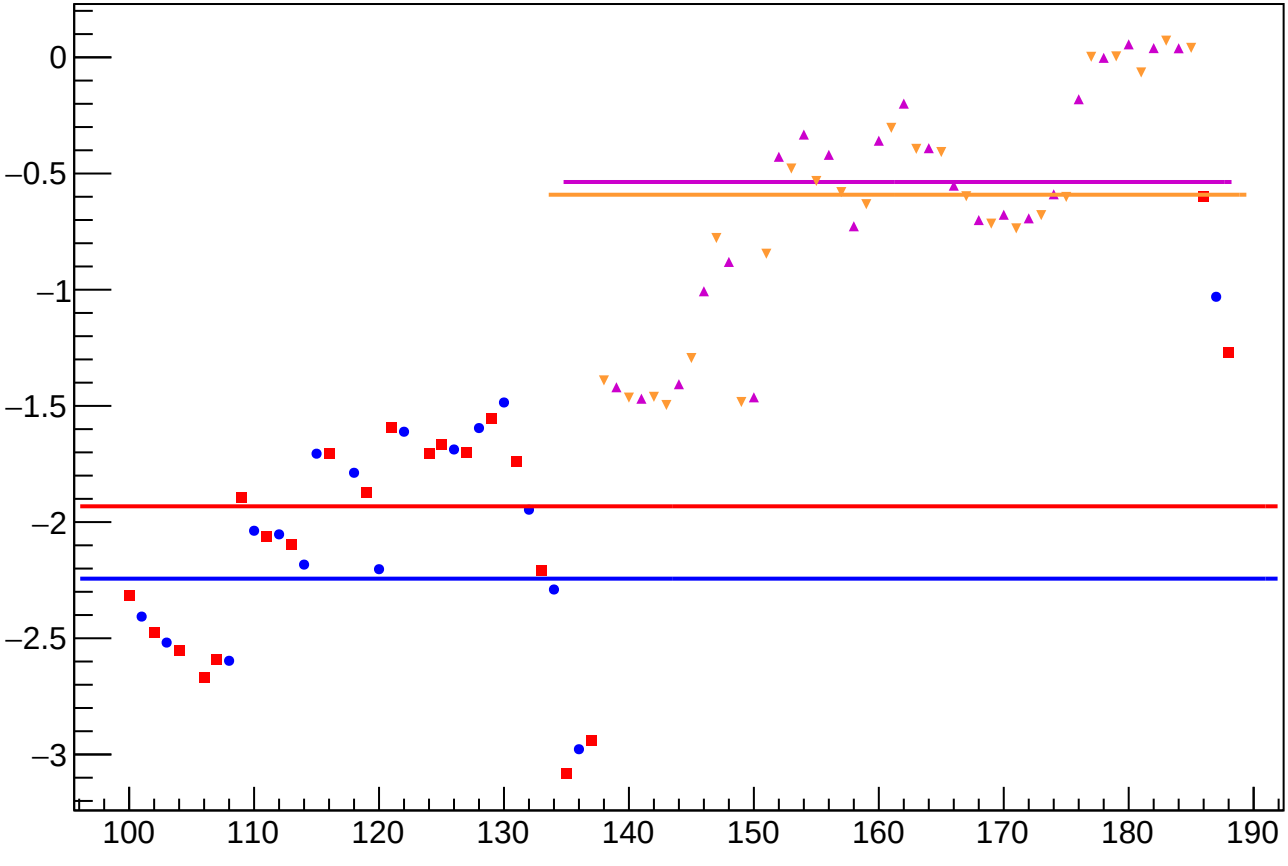
Right: 0.009+/-0.000 χ^2/NDF: 540087.2/37

In: 0.008+/-0.000 χ^2/NDF:689270.6/39

Out: 0.008+/-0.000 χ^2/NDF:791914.5/45

All: 0.008+/-0.000 χ^2/NDF: 1481703.1/85

yield_bpm0i05X_mean vs Slug, Sign Corrected



Right In: -2.243+/-0.000 χ^2/NDF: 20303380781.8/16

Left Out: -0.591+/-0.000 χ^2/NDF:72678844667.5/24

Right Out: -1.932+/-0.000 χ^2/NDF: 58578867207.0/20

Left In: -0.536+/-0.000 χ^2/NDF:70168781562.6/22

Left: -0.564+/-0.000 χ^2/NDF: 143410113051.4/47

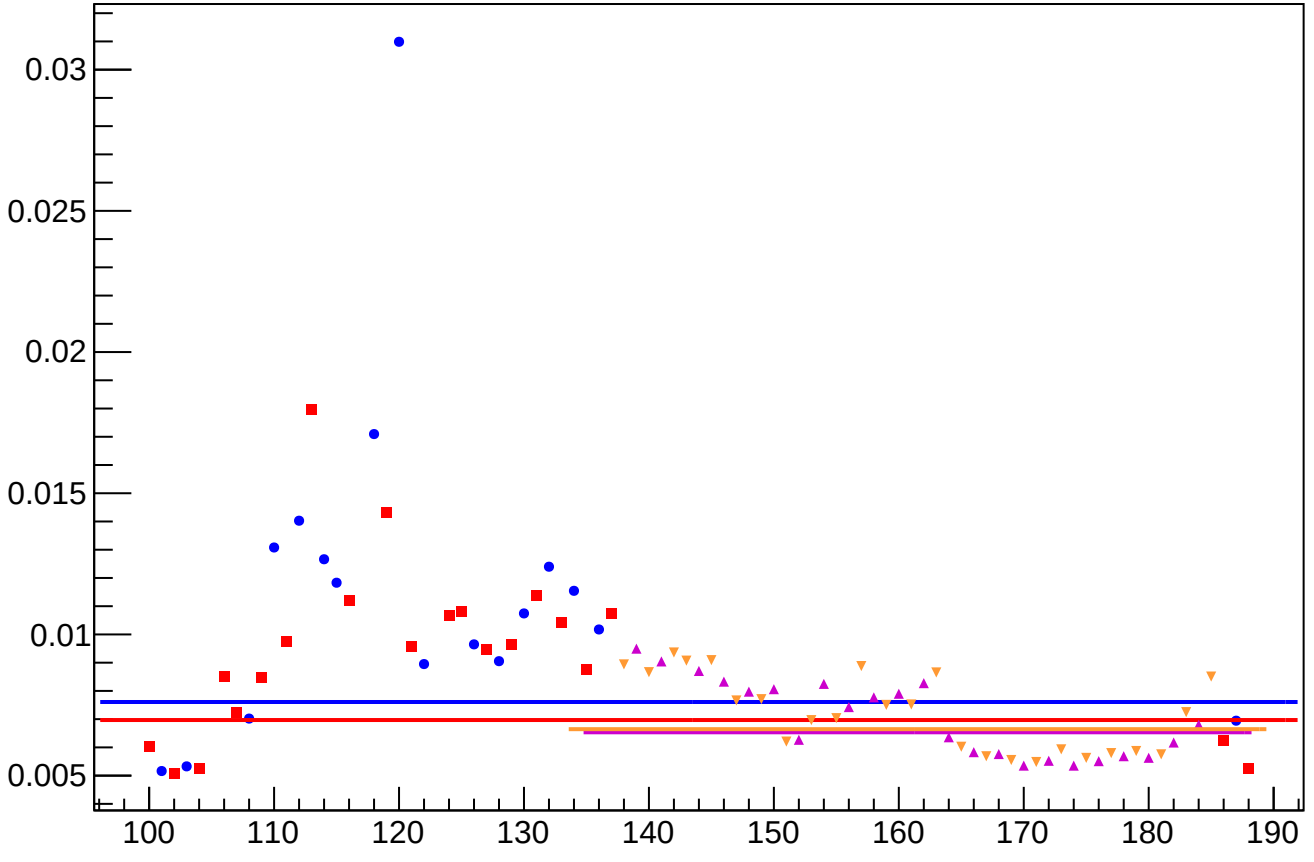
Right: -2.056+/-0.000 χ^2/NDF: 84167803580.0/37

In: -0.871+/-0.000 χ^2/NDF:302633500790.3/39

Out: -0.947+/-0.000 χ^2/NDF:312223611016.7/45

All: -0.911+/-0.000 χ^2/NDF: 616258864652.8

yield_bpm0i05X_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 1713823.7/16

Left Out: 0.007+/-0.000 χ^2/NDF:1091920.0/24

Right Out: 0.007+/-0.000 χ^2/NDF: 1601815.1/20

Left In: 0.007+/-0.000 χ^2/NDF:1151126.7/22

Left: 0.007+/-0.000 χ^2/NDF: 2247615.4/47

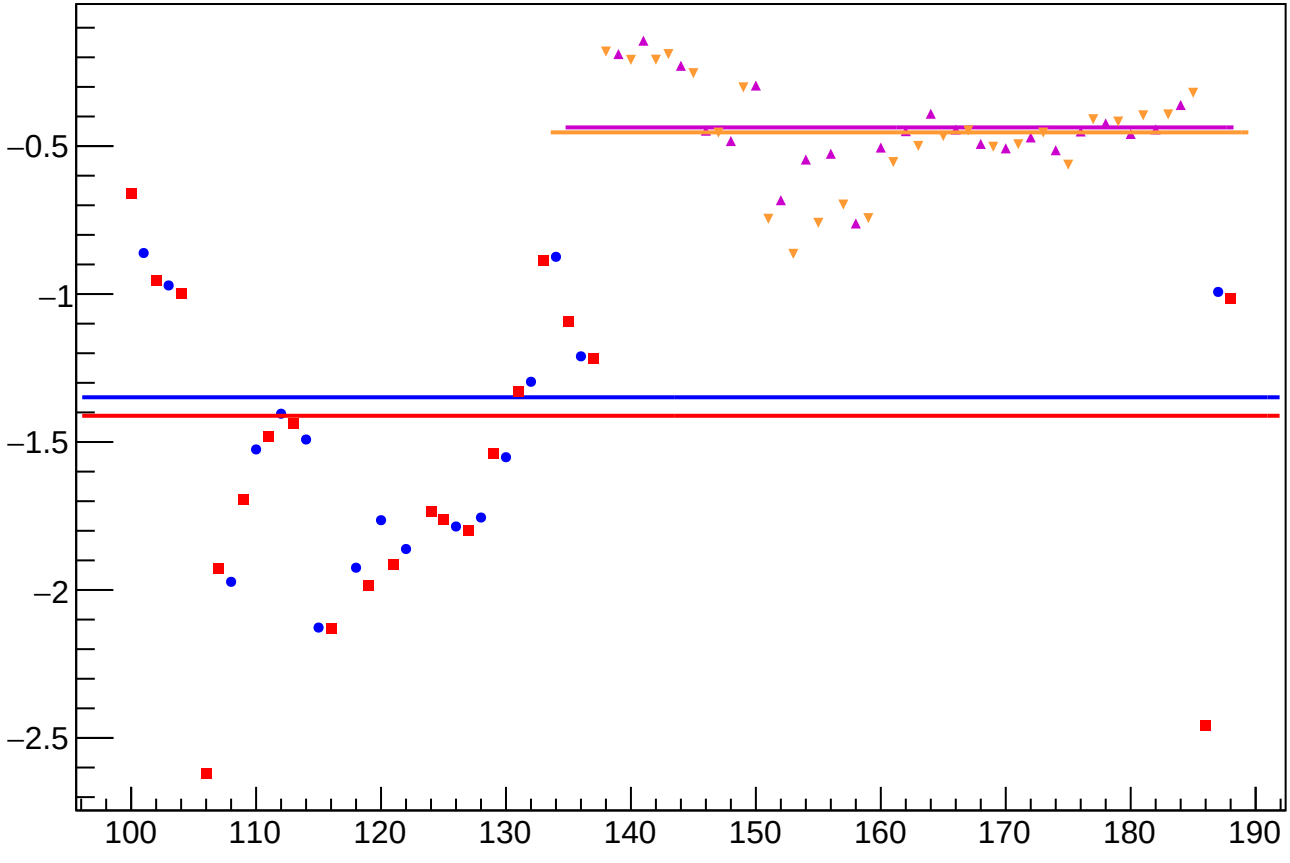
Right: 0.007+/-0.000 χ^2/NDF: 3360132.0/37

In: 0.007+/-0.000 χ^2/NDF:3032616.8/39

Out: 0.007+/-0.000 χ^2/NDF:2714858.2/45

All: 0.007+/-0.000 χ^2/NDF: 5747572.4/85

yield_bpm0i05Y_mean vs Slug, Sign Corrected



Right In: -1.349+/-0.000 χ^2/NDF: 22024366534.9/16

Left Out: -0.454+/-0.000 χ^2/NDF:29096412438.0/24

Right Out: -1.411+/-0.000 χ^2/NDF: 61456821885.9/20

Left In: -0.437+/-0.000 χ^2/NDF:16544160360.6/22

Left: -0.446+/-0.000 χ^2/NDF: 45759847773.7/47

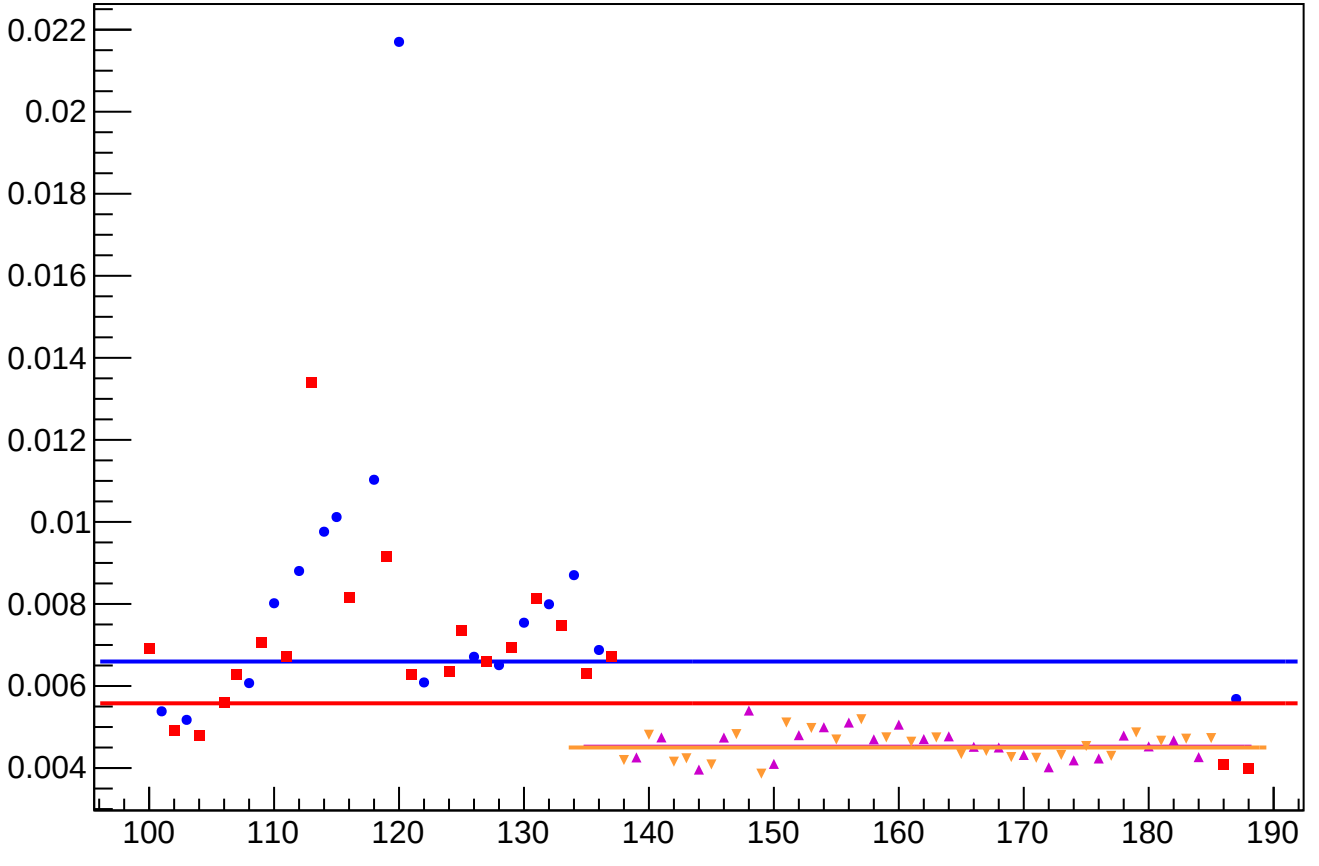
Right: -1.388+/-0.000 χ^2/NDF: 83813531953.1/37

In: -0.567+/-0.000 χ^2/NDF:135494918894.0/39

Out: -0.652+/-0.000 χ^2/NDF:255729582530.9/45

All: -0.613+/-0.000 χ^2/NDF: 394876018570.8

yield_bpm0i05Y_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 700798.0/16

Left Out: 0.005+/-0.000 χ^2/NDF:189230.5/24

Right Out: 0.006+/-0.000 χ^2/NDF: 1068928.4/20

Left In: 0.005+/-0.000 χ^2/NDF:212056.7/22

Left: 0.005+/-0.000 χ^2/NDF: 401608.0/47

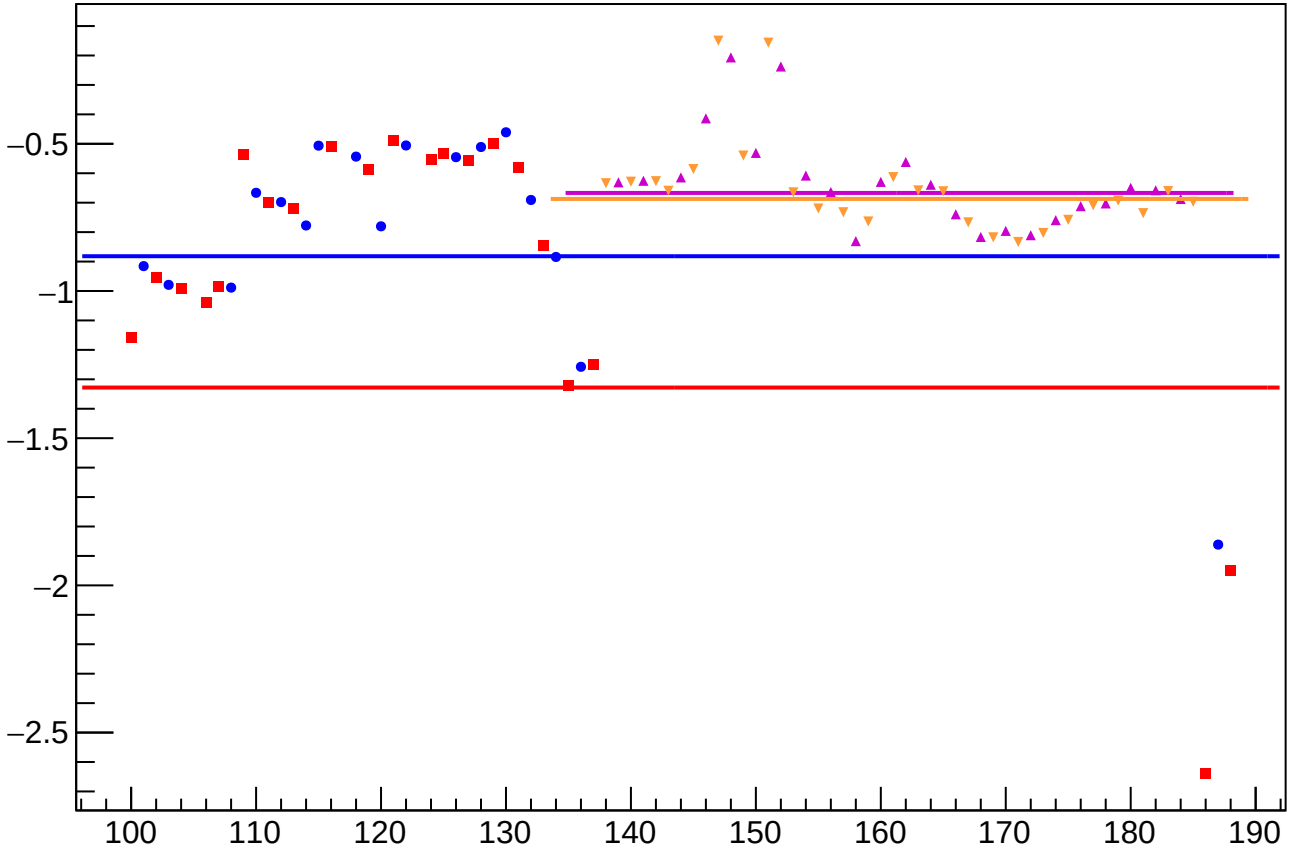
Right: 0.006+/-0.000 χ^2/NDF: 1946258.2/37

In: 0.005+/-0.000 χ^2/NDF:1917483.1/39

Out: 0.005+/-0.000 χ^2/NDF:1675926.2/45

All: 0.005+/-0.000 χ^2/NDF: 3602306.3/85

yield_bpm0i07X_mean vs Slug, Sign Corrected



Right In: -0.882+/-0.000 χ^2/NDF: 23575280287.6/16

Left Out: -0.687+/-0.000 χ^2/NDF:22462821855.7/24

Right Out: -1.328+/-0.000 χ^2/NDF: 165247952785.0/20

Left In: -0.667+/-0.000 χ^2/NDF:22531477329.1/22

Left: -0.677+/-0.000 χ^2/NDF: 45194028028.5/47

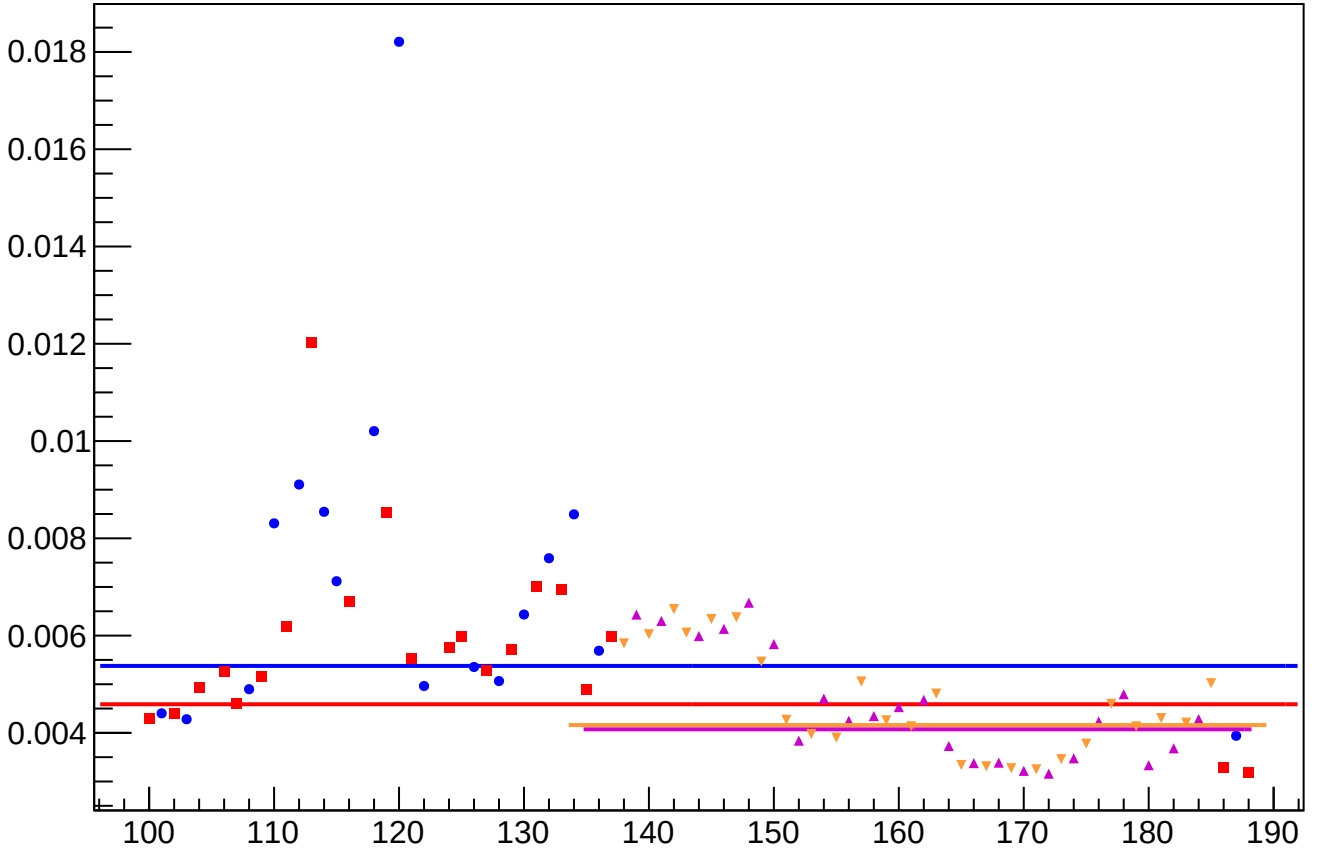
Right: -1.162+/-0.000 χ^2/NDF: 213273766256.3/37

In: -0.704+/-0.000 χ^2/NDF:53614462728.3/39

Out: -0.850+/-0.000 χ^2/NDF:288606375281.8/45

All: -0.781+/-0.000 χ^2/NDF: 355354991684.5

yield_bpm0i07X_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 1010272.6/16

Left Out: 0.004+/-0.000 χ^2/NDF:1520055.0/24

Right Out: 0.005+/-0.000 χ^2/NDF: 1294944.4/20

Left In: 0.004+/-0.000 χ^2/NDF:1750303.9/22

Left: 0.004+/-0.000 χ^2/NDF: 3277736.9/47

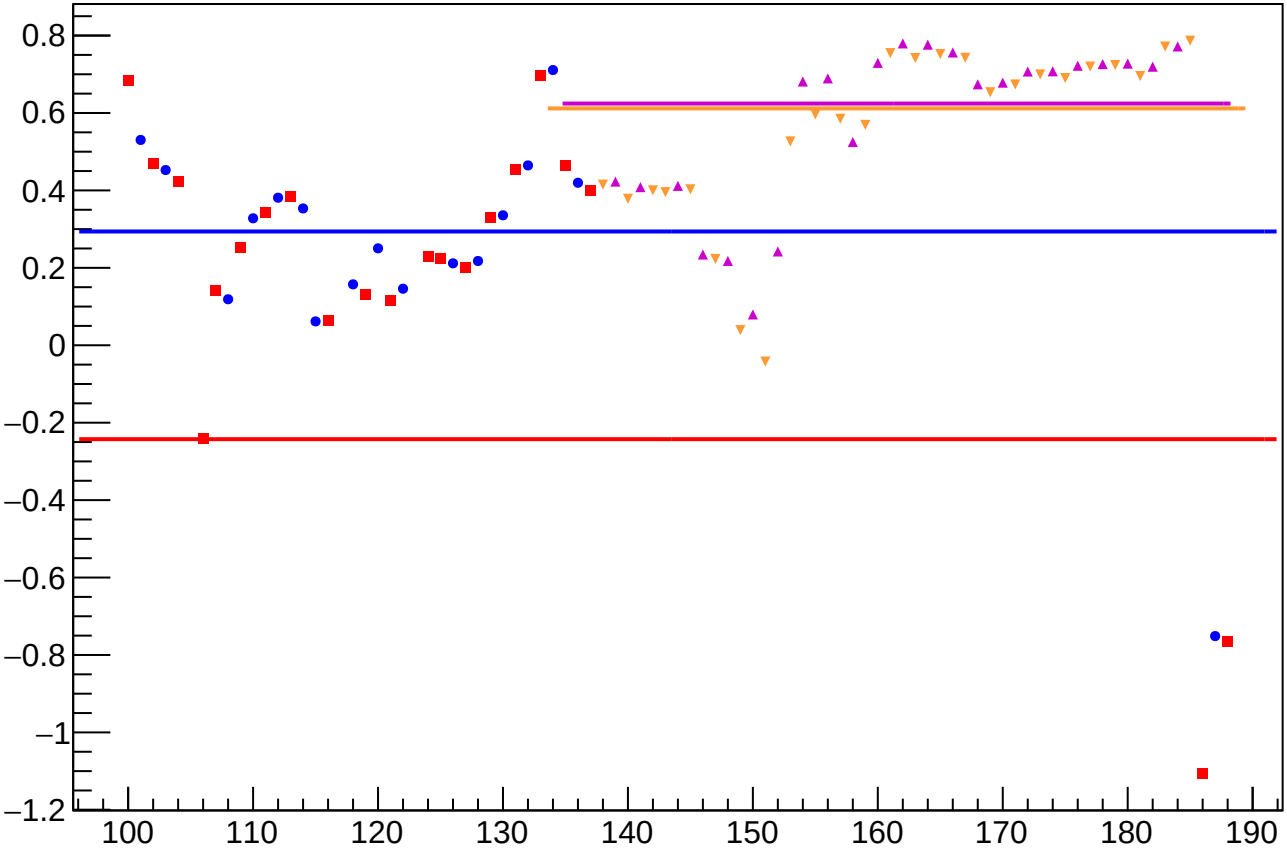
Right: 0.005+/-0.000 χ^2/NDF: 2458021.5/37

In: 0.004+/-0.000 χ^2/NDF:3312695.0/39

Out: 0.004+/-0.000 χ^2/NDF:2904822.0/45

All: 0.004+/-0.000 χ^2/NDF: 6218327.5/85

yield_bpm0i07Y_mean vs Slug, Sign Corrected



Right In: 0.294+/-0.000 χ^2/NDF: 36316046087.1/16

Left Out: 0.612+/-0.000 χ^2/NDF:45742599949.2/24

Right Out: -0.243+/-0.000 χ^2/NDF: 297998201172.5/20

Left In: 0.624+/-0.000 χ^2/NDF:40353141115.4/22

Left: 0.618+/-0.000 χ^2/NDF: 86197864169.1/47

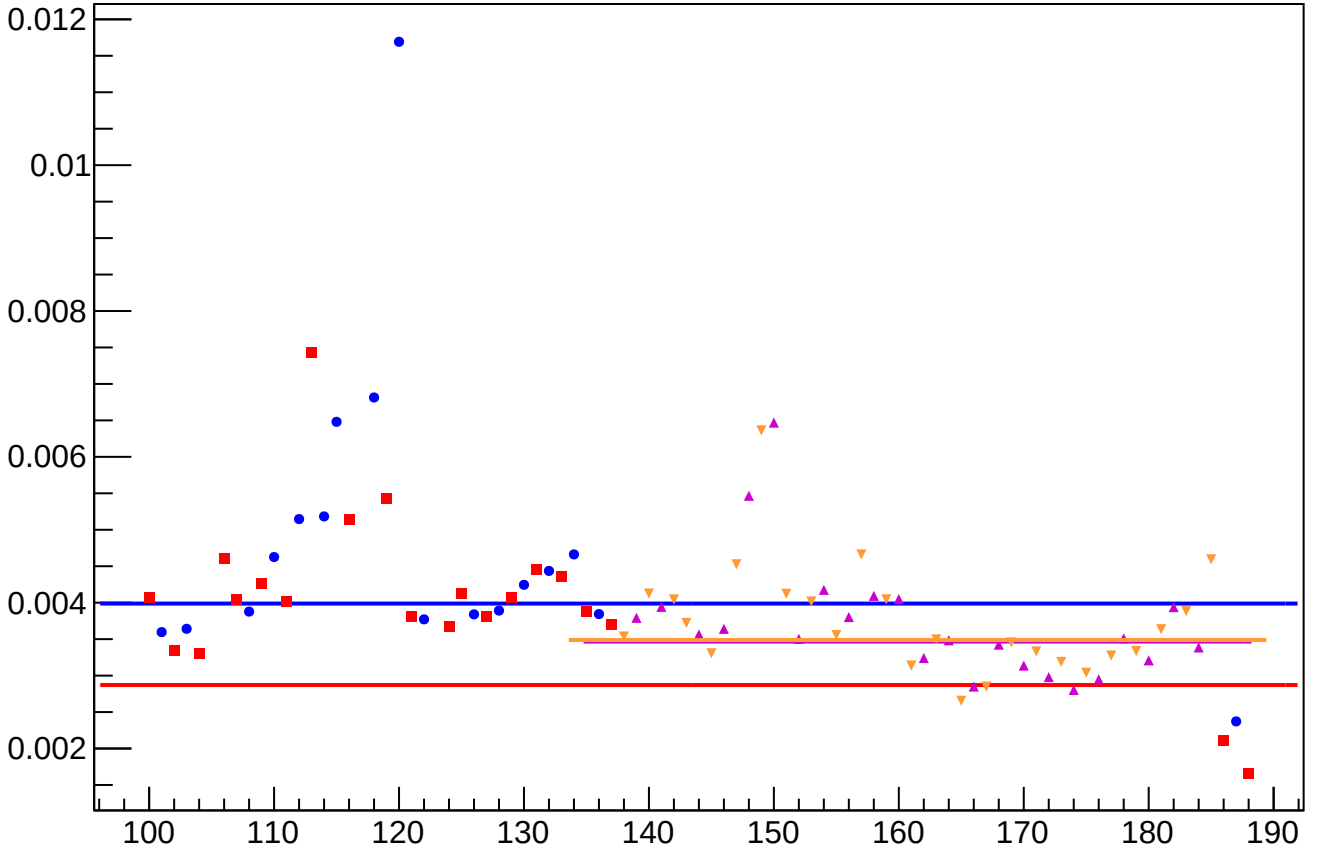
Right: -0.068+/-0.000 χ^2/NDF: 409882099657.3/37

In: 0.547+/-0.000 χ^2/NDF:109199675202.0/39

Out: 0.288+/-0.000 χ^2/NDF:708831312828.0/45

All: 0.401+/-0.000 χ^2/NDF: 880415348948.1

yield_bpm0i07Y_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 623449.4/16

Left Out: 0.003+/-0.000 χ^2/NDF:850746.8/24

Right Out: 0.003+/-0.000 χ^2/NDF: 2327255.4/20

Left In: 0.003+/-0.000 χ^2/NDF:894124.0/22

Left: 0.003+/-0.000 χ^2/NDF: 1745449.7/47

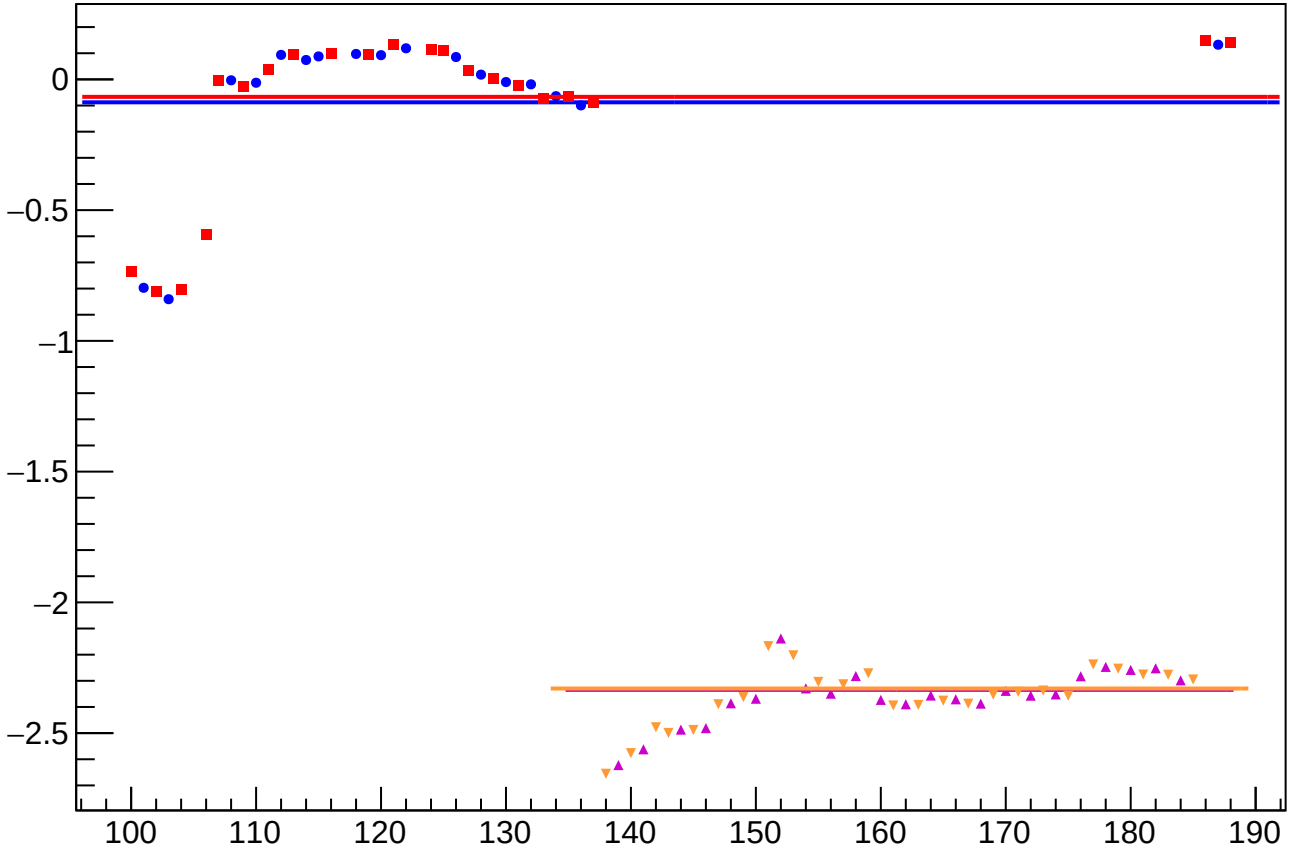
Right: 0.003+/-0.000 χ^2/NDF: 3606170.4/37

In: 0.004+/-0.000 χ^2/NDF:1679293.2/39

Out: 0.003+/-0.000 χ^2/NDF:3559311.8/45

All: 0.003+/-0.000 χ^2/NDF: 5448131.4/85

yield_bpm1i02X_mean vs Slug, Sign Corrected



Right In: -0.088+/-0.000 χ^2/NDF: 5583333480.8/16

Left Out: -2.329+/-0.000 χ^2/NDF:1982733526.8/24

Right Out: -0.067+/-0.000 χ^2/NDF: 6951159392.3/20

Left In: -2.335+/-0.000 χ^2/NDF:1676703216.8/22

Left: -2.332+/-0.000 χ^2/NDF: 3662448442.3/47

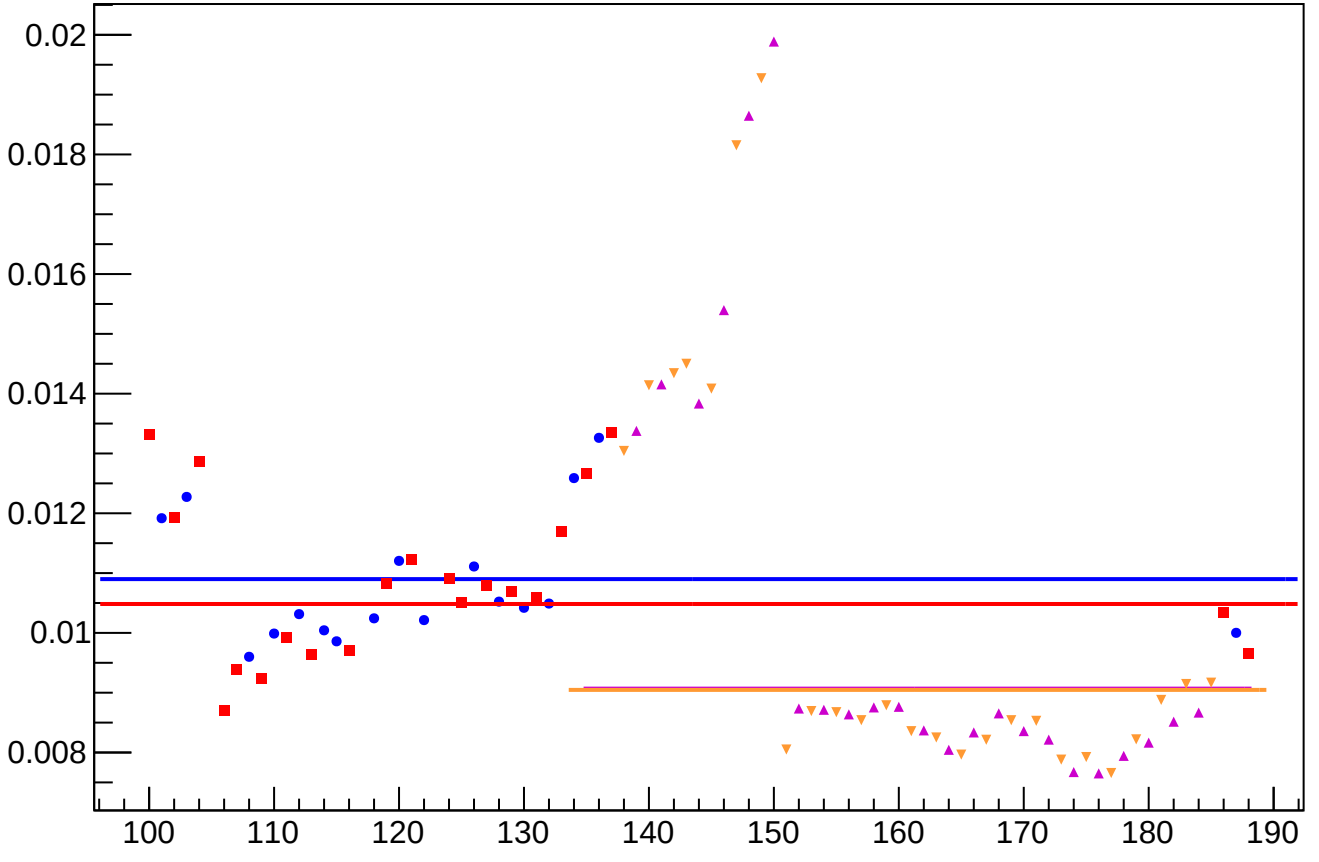
Right: -0.076+/-0.000 χ^2/NDF: 12549644942.1/37

In: -1.823+/-0.000 χ^2/NDF:247128546005.2/39

Out: -1.734+/-0.000 χ^2/NDF:308467370850.6/45

All: -1.776+/-0.000 χ^2/NDF: 556737519691.8

yield_bpm1i02X_rms vs Slug, Sign Corrected



Right In: 0.011+/-0.000 χ^2/NDF: 139592.3/16

Left Out: 0.009+/-0.000 χ^2/NDF:2048729.6/24

Right Out: 0.010+/-0.000 χ^2/NDF: 207131.2/20

Left In: 0.009+/-0.000 χ^2/NDF:2134207.9/22

Left: 0.009+/-0.000 χ^2/NDF: 4183033.5/47

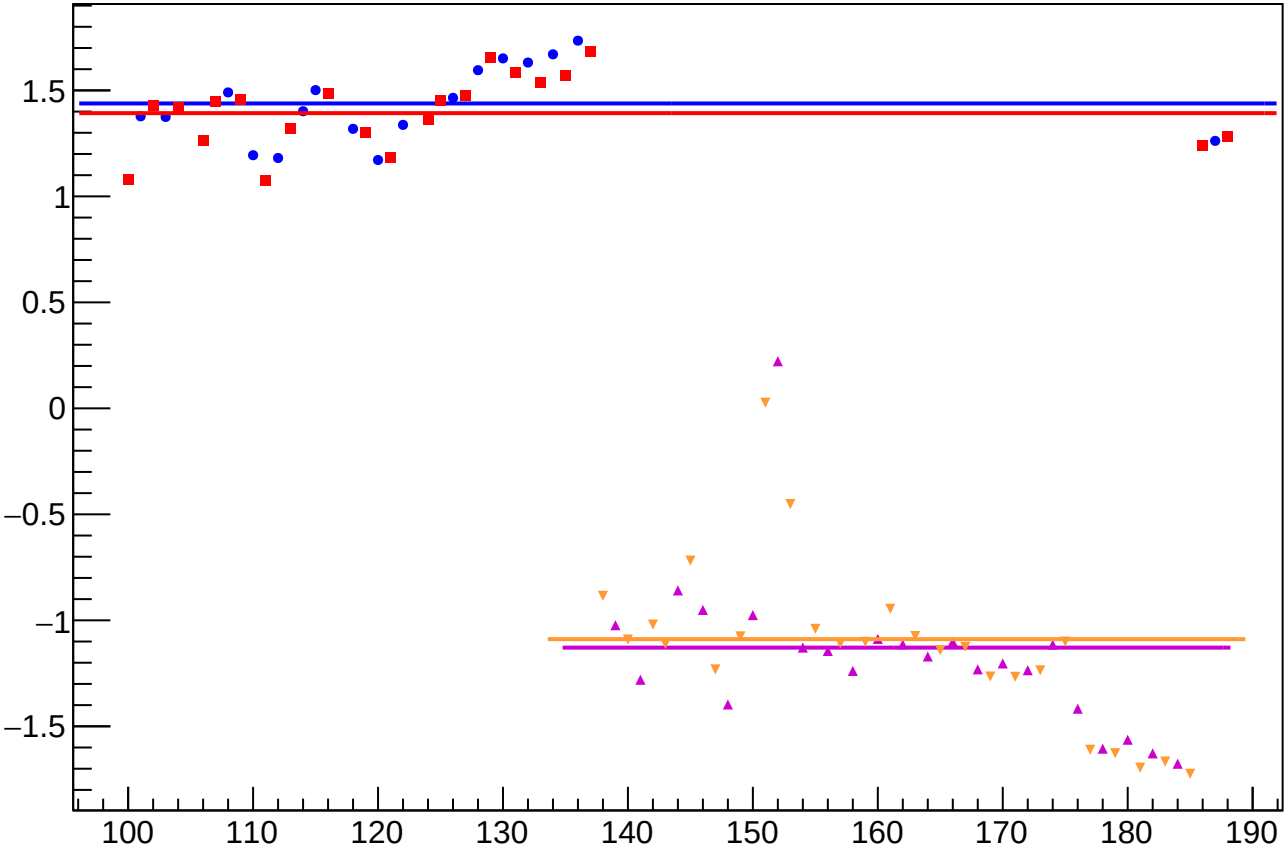
Right: 0.011+/-0.000 χ^2/NDF: 358726.0/37

In: 0.009+/-0.000 χ^2/NDF:2592455.4/39

Out: 0.009+/-0.000 χ^2/NDF:2497289.2/45

All: 0.009+/-0.000 χ^2/NDF: 5090765.8/85

yield_bpm1i02Y_mean vs Slug, Sign Corrected



Right In: 1.438+/-0.000 χ^2/NDF: 3844188092.4/16

Left Out: -1.089+/-0.000 χ^2/NDF:61255304912.3/24

Right Out: 1.393+/-0.000 χ^2/NDF: 3270646172.0/20

Left In: -1.129+/-0.000 χ^2/NDF:58876825364.1/22

Left: -1.108+/-0.000 χ^2/NDF: 120403370890.0/47

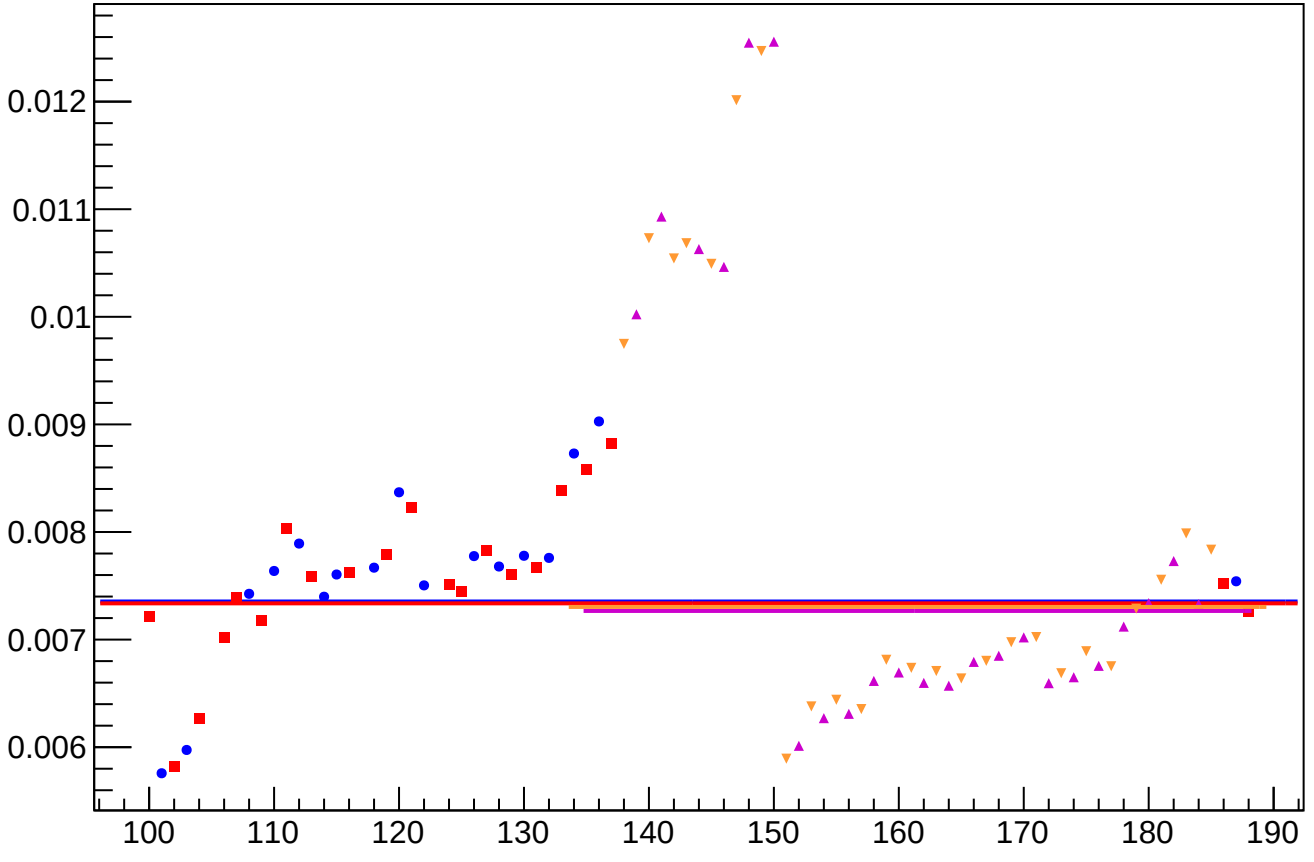
Right: 1.413+/-0.000 χ^2/NDF: 7268304781.5/37

In: -0.388+/-0.000 χ^2/NDF:691558977252.0/39

Out: -0.297+/-0.000 χ^2/NDF:744745277437.7/45

All: -0.341+/-0.000 χ^2/NDF: 1438318032788

yield_bpm1i02Y_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 271101.1/16

Left Out: 0.007+/-0.000 χ^2/NDF:1504103.4/24

Right Out: 0.007+/-0.000 χ^2/NDF: 196085.2/20

Left In: 0.007+/-0.000 χ^2/NDF:1560089.8/22

Left: 0.007+/-0.000 χ^2/NDF: 3064663.5/47

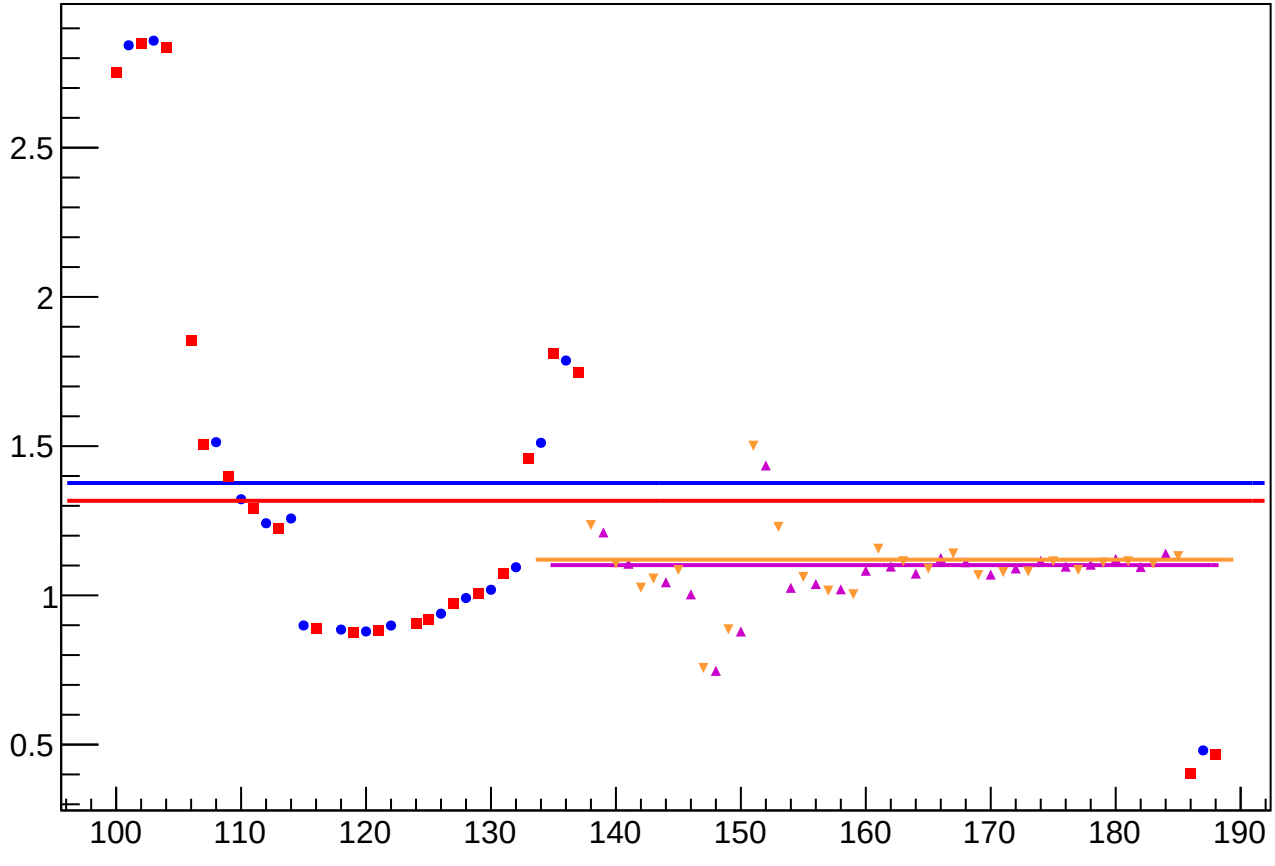
Right: 0.007+/-0.000 χ^2/NDF: 467229.9/37

In: 0.007+/-0.000 χ^2/NDF:1832660.5/39

Out: 0.007+/-0.000 χ^2/NDF:1700432.6/45

All: 0.007+/-0.000 χ^2/NDF: 3533340.5/85

yield_bpm1i04X_mean vs Slug, Sign Corrected



Right In: 1.376+/-0.000 χ^2/NDF: 60162141307.8/16

Left Out: 1.120+/-0.000 χ^2/NDF:5515079117.9/24

Right Out: 1.317+/-0.000 χ^2/NDF: 67035970152.4/20

Left In: 1.101+/-0.000 χ^2/NDF:4201972548.8/22

Left: 1.111+/-0.000 χ^2/NDF: 9774836704.8/47

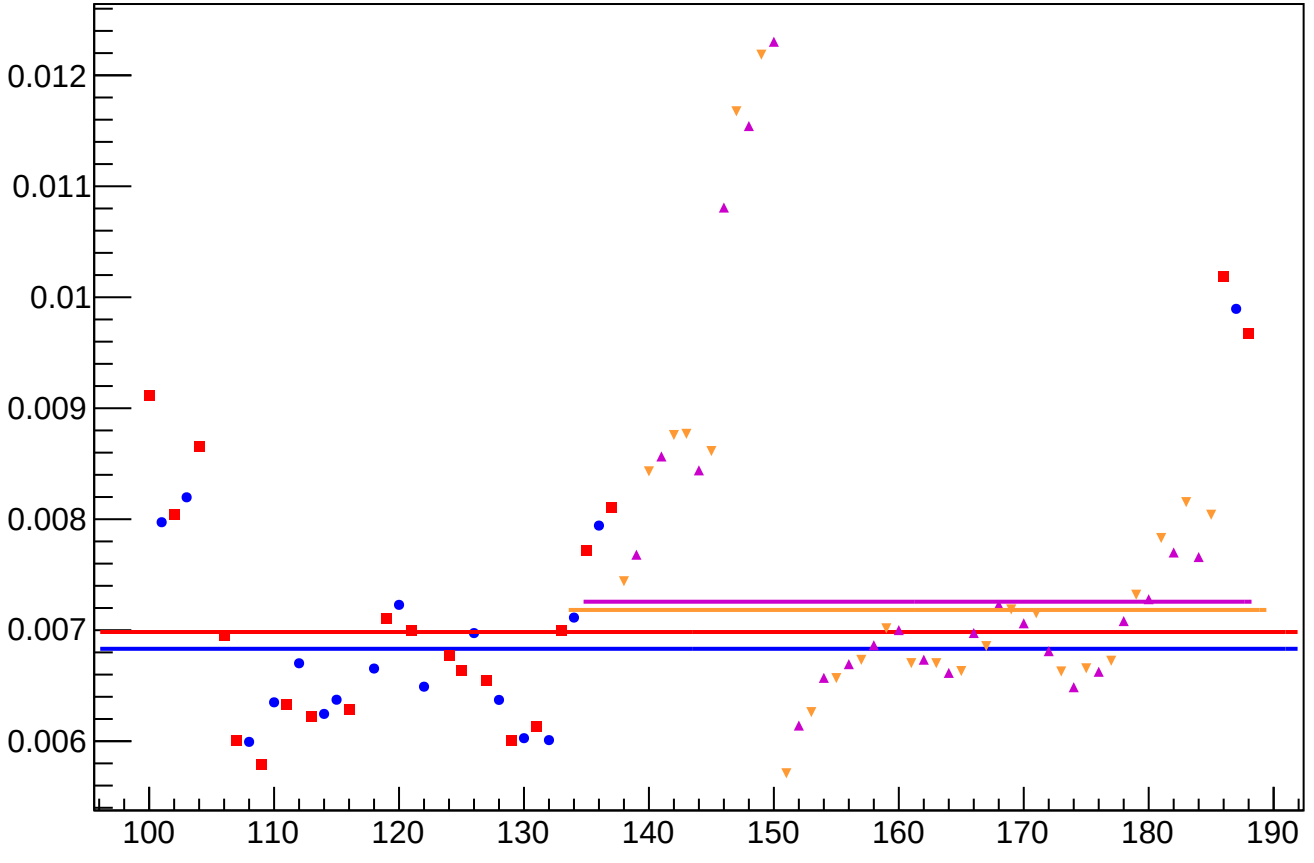
Right: 1.345+/-0.000 χ^2/NDF: 127491451887.4/37

In: 1.189+/-0.000 χ^2/NDF:72393764523.8/39

Out: 1.185+/-0.000 χ^2/NDF:77147331433.1/45

All: 1.187+/-0.000 χ^2/NDF: 149545845084.2

yield_bpm1i04X_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 200680.6/16

Left Out: 0.007+/-0.000 χ^2/NDF:893807.0/24

Right Out: 0.007+/-0.000 χ^2/NDF: 447710.1/20

Left In: 0.007+/-0.000 χ^2/NDF:916696.6/22

Left: 0.007+/-0.000 χ^2/NDF: 1812400.5/47

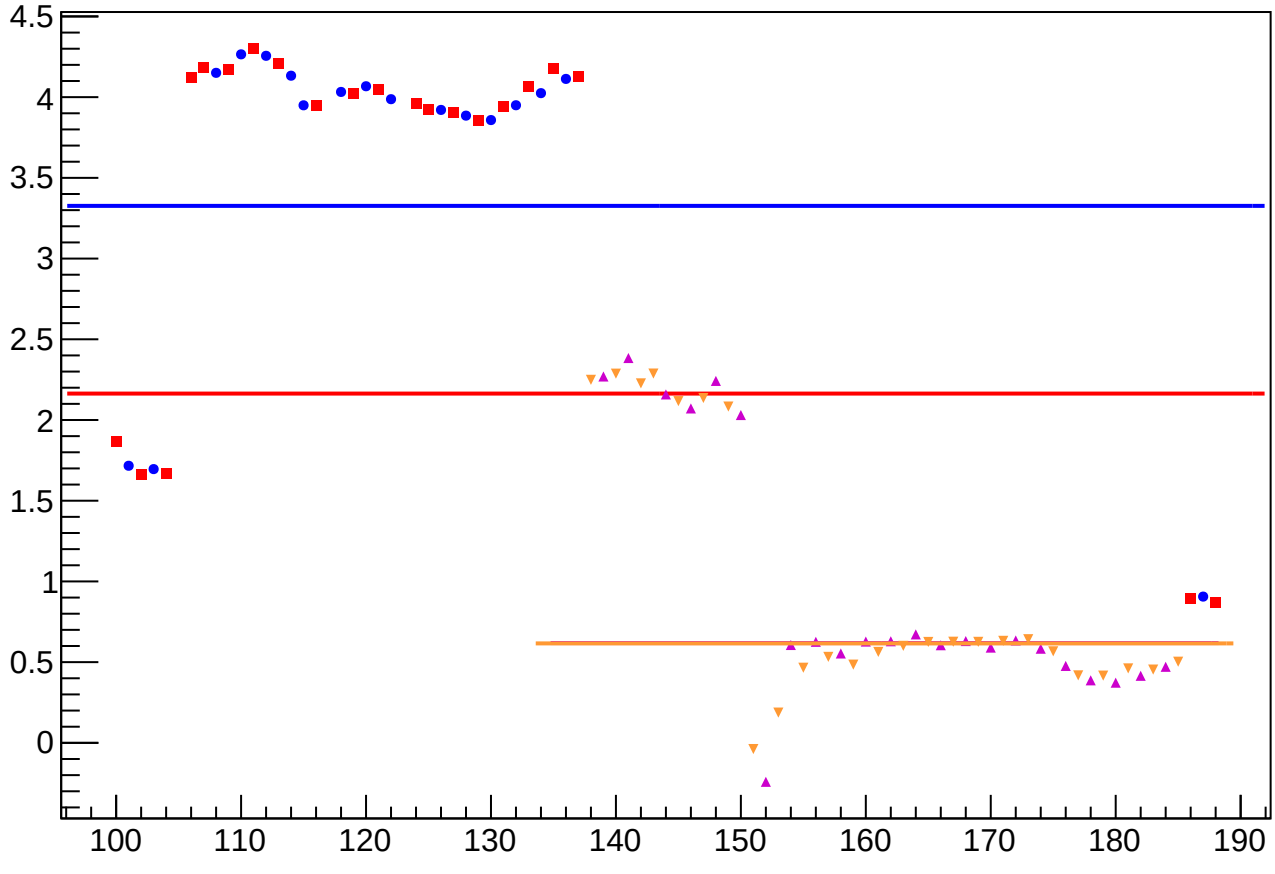
Right: 0.007+/-0.000 χ^2/NDF: 652180.1/37

In: 0.007+/-0.000 χ^2/NDF:1155571.9/39

Out: 0.007+/-0.000 χ^2/NDF:1350849.8/45

All: 0.007+/-0.000 χ^2/NDF: 2506431.9/85

yield_bpm1i04Y_mean vs Slug, Sign Corrected



Right In: 3.326+/-0.000 χ^2/NDF: 365849978895.1/16

Left Out: 0.616+/-0.000 χ^2/NDF:251940630795.3/24

Right Out: 2.164+/-0.000 χ^2/NDF: 1185788269877.9/20

Left In: 0.618+/-0.000 χ^2/NDF:254248143278.9/22

Left: 0.617+/-0.000 χ^2/NDF: 506191281472.3/47

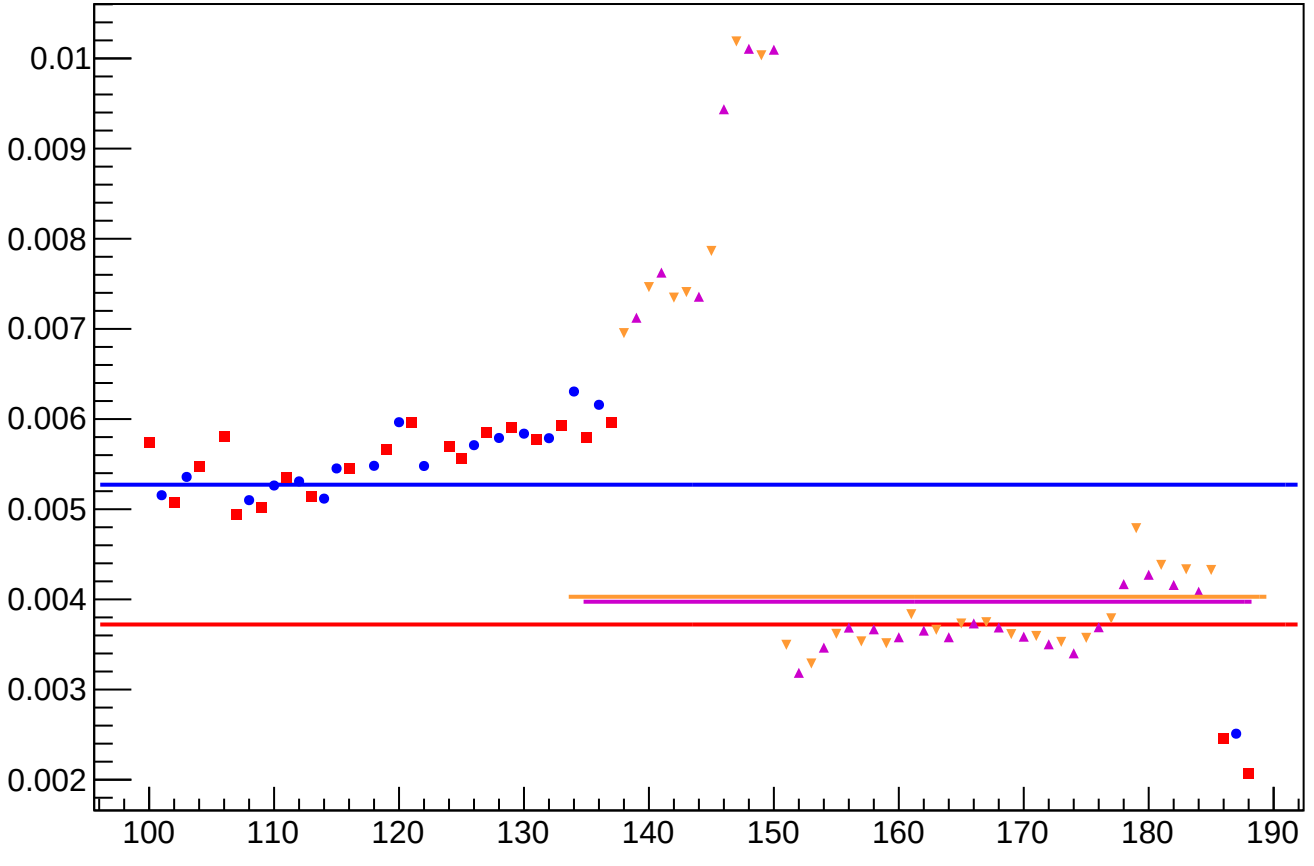
Right: 2.550+/-0.000 χ^2/NDF: 1782733042413.4/37

In: 1.158+/-0.000 χ^2/NDF:2122636104567.9/39

Out: 1.123+/-0.000 χ^2/NDF:2266626275620.2/45

All: 1.139+/-0.000 χ^2/NDF: 4390147966317.

yield_bpm1i04Y_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 485264.2/16

Left Out: 0.004+/-0.000 χ^2/NDF:2965028.8/24

Right Out: 0.004+/-0.000 χ^2/NDF: 2955417.4/20

Left In: 0.004+/-0.000 χ^2/NDF:3121901.5/22

Left: 0.004+/-0.000 χ^2/NDF: 6090115.0/47

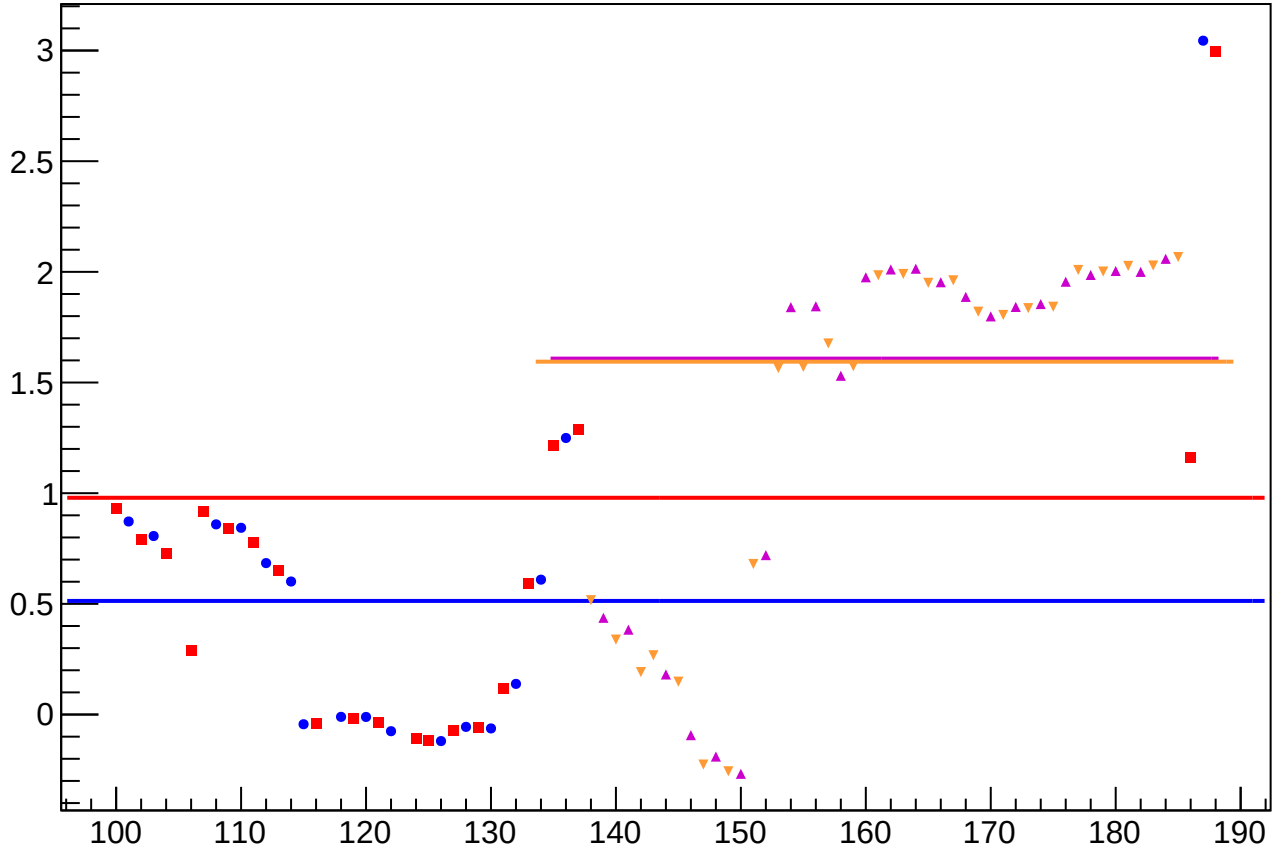
Right: 0.004+/-0.000 χ^2/NDF: 4262436.7/37

In: 0.004+/-0.000 χ^2/NDF:4297645.9/39

Out: 0.004+/-0.000 χ^2/NDF:5985934.9/45

All: 0.004+/-0.000 χ^2/NDF: 10414453.7/85

yield_bpm1i06X_mean vs Slug, Sign Corrected



Right In: 0.513+/-0.000 χ^2/NDF: 17935105579.2/16

Left Out: 1.594+/-0.000 χ^2/NDF:62632055963.2/24

Right Out: 0.979+/-0.000 χ^2/NDF: 55653617184.5/20

Left In: 1.608+/-0.000 χ^2/NDF:66403809503.4/22

Left: 1.601+/-0.000 χ^2/NDF: 129051467837.0/47

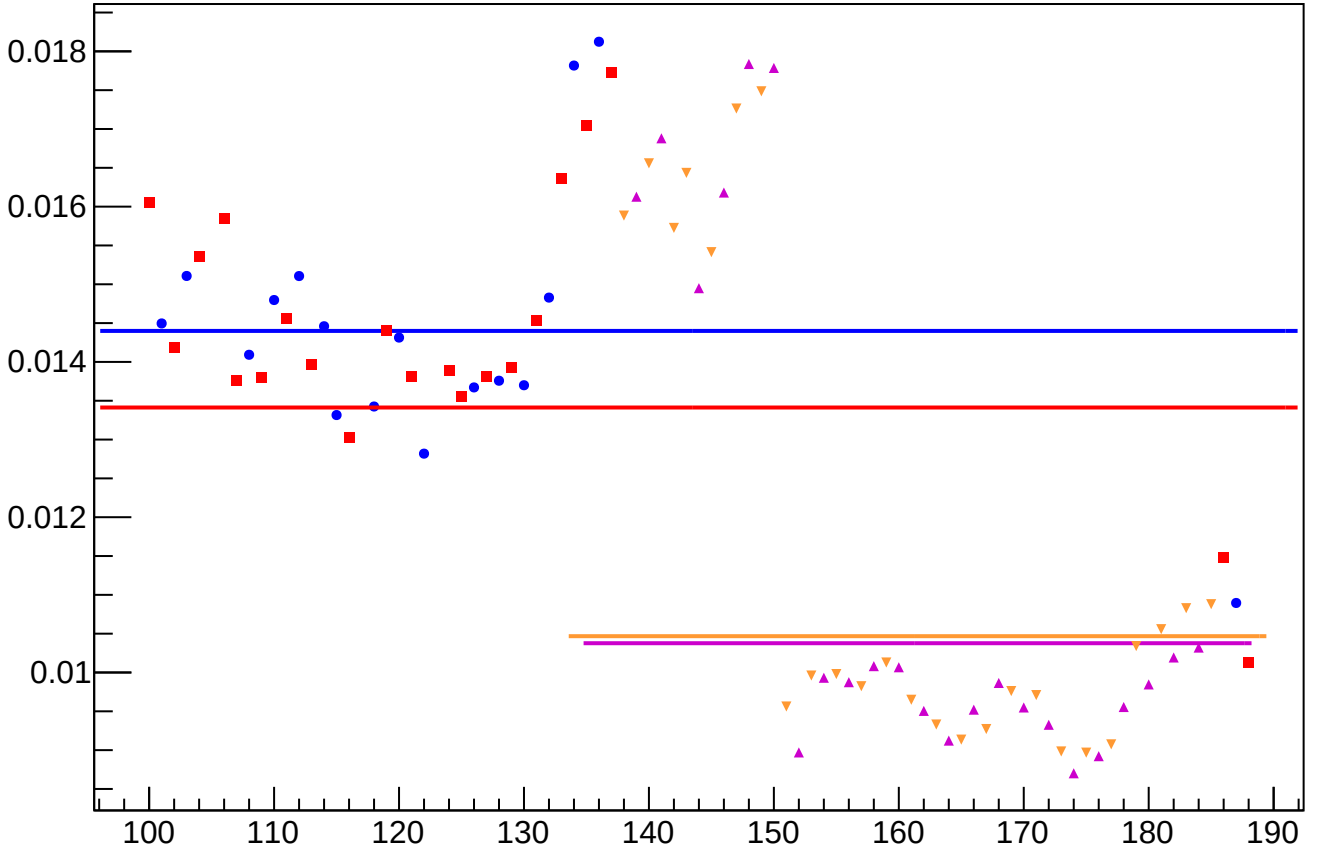
Right: 0.781+/-0.000 χ^2/NDF: 77956567806.8/37

In: 1.412+/-0.000 χ^2/NDF:118801538043.7/39

Out: 1.459+/-0.000 χ^2/NDF:132199177178.8/45

All: 1.436+/-0.000 χ^2/NDF: 251222160267.6

yield_bpm1i06X_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 173458.0/16

Left Out: 0.010+/-0.000 χ^2/NDF:1661211.8/24

Right Out: 0.013+/-0.000 χ^2/NDF: 378463.7/20

Left In: 0.010+/-0.000 χ^2/NDF:1710541.0/22

Left: 0.010+/-0.000 χ^2/NDF: 3373093.6/47

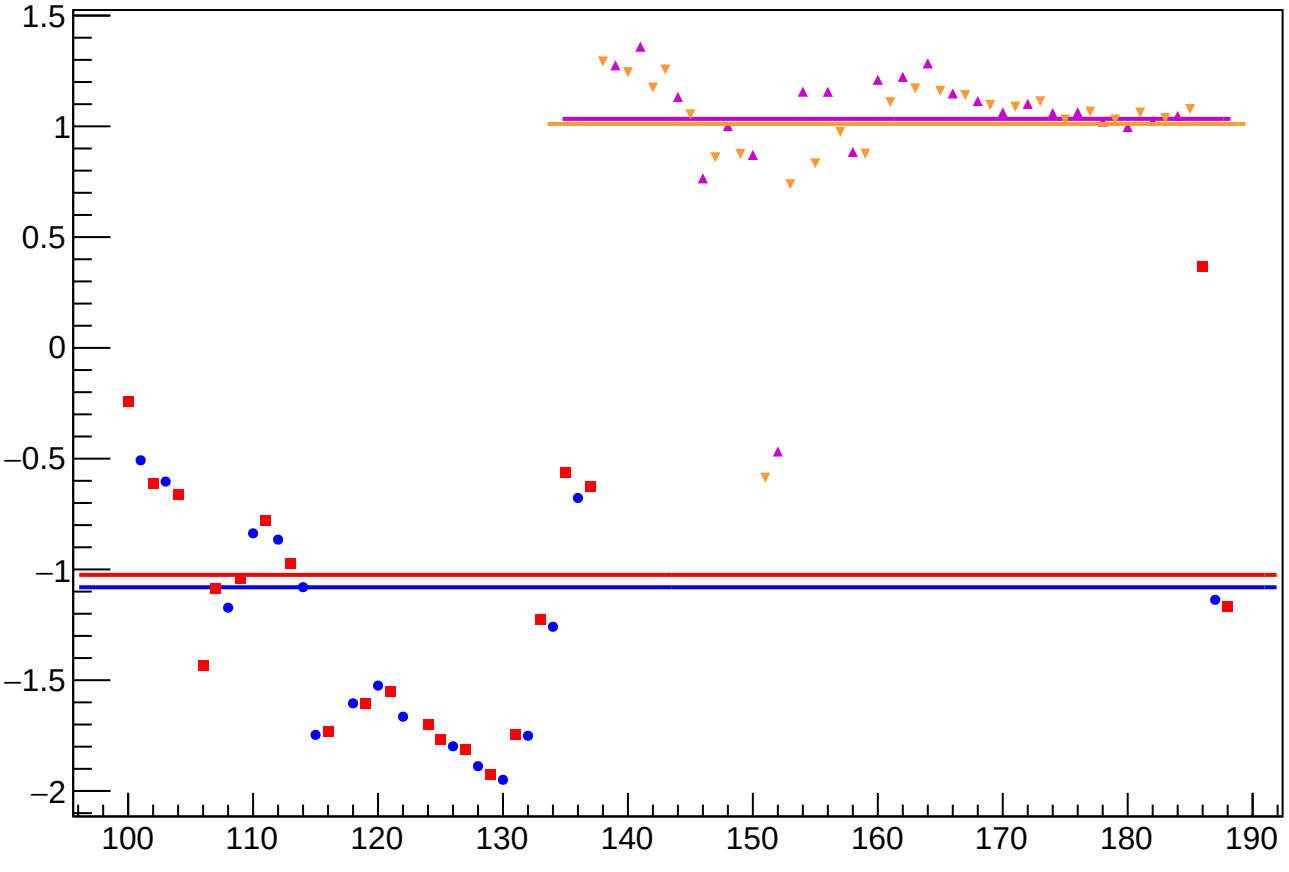
Right: 0.014+/-0.000 χ^2/NDF: 591056.4/37

In: 0.011+/-0.000 χ^2/NDF:2814404.7/39

Out: 0.011+/-0.000 χ^2/NDF:2678120.4/45

All: 0.011+/-0.000 χ^2/NDF: 5492607.8/85

yield_bpm1i06Y_mean vs Slug, Sign Corrected



Right In: -1.081+/-0.000 χ^2/NDF: 59769344420.2/16

Left Out: 1.011+/-0.000 χ^2/NDF:111188616245.0/24

Right Out: -1.025+/-0.000 χ^2/NDF: 66650598322.8/20

Left In: 1.034+/-0.000 χ^2/NDF:125385050389.9/22

Left: 1.022+/-0.000 χ^2/NDF: 236930467589.7/47

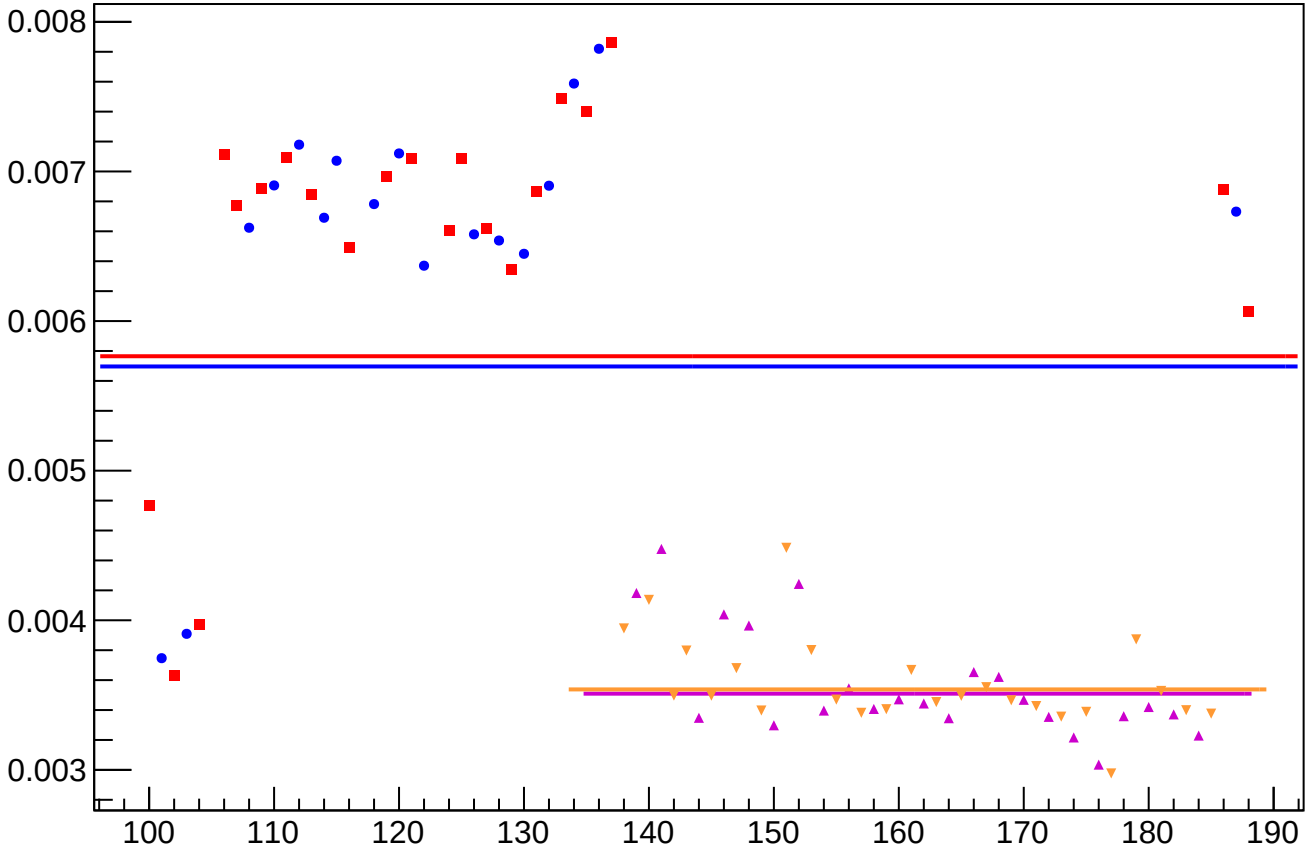
Right: -1.051+/-0.000 χ^2/NDF: 126757688750.0/37

In: 0.758+/-0.000 χ^2/NDF:968667826689.3/39

Out: 0.720+/-0.000 χ^2/NDF:1008660985098.9/45

All: 0.739+/-0.000 χ^2/NDF: 1978465014801.

yield_bpm1i06Y_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 953390.3/16

Left Out: 0.004+/-0.000 χ^2/NDF:215725.1/24

Right Out: 0.006+/-0.000 χ^2/NDF: 1008383.2/20

Left In: 0.004+/-0.000 χ^2/NDF:284960.7/22

Left: 0.004+/-0.000 χ^2/NDF: 501791.4/47

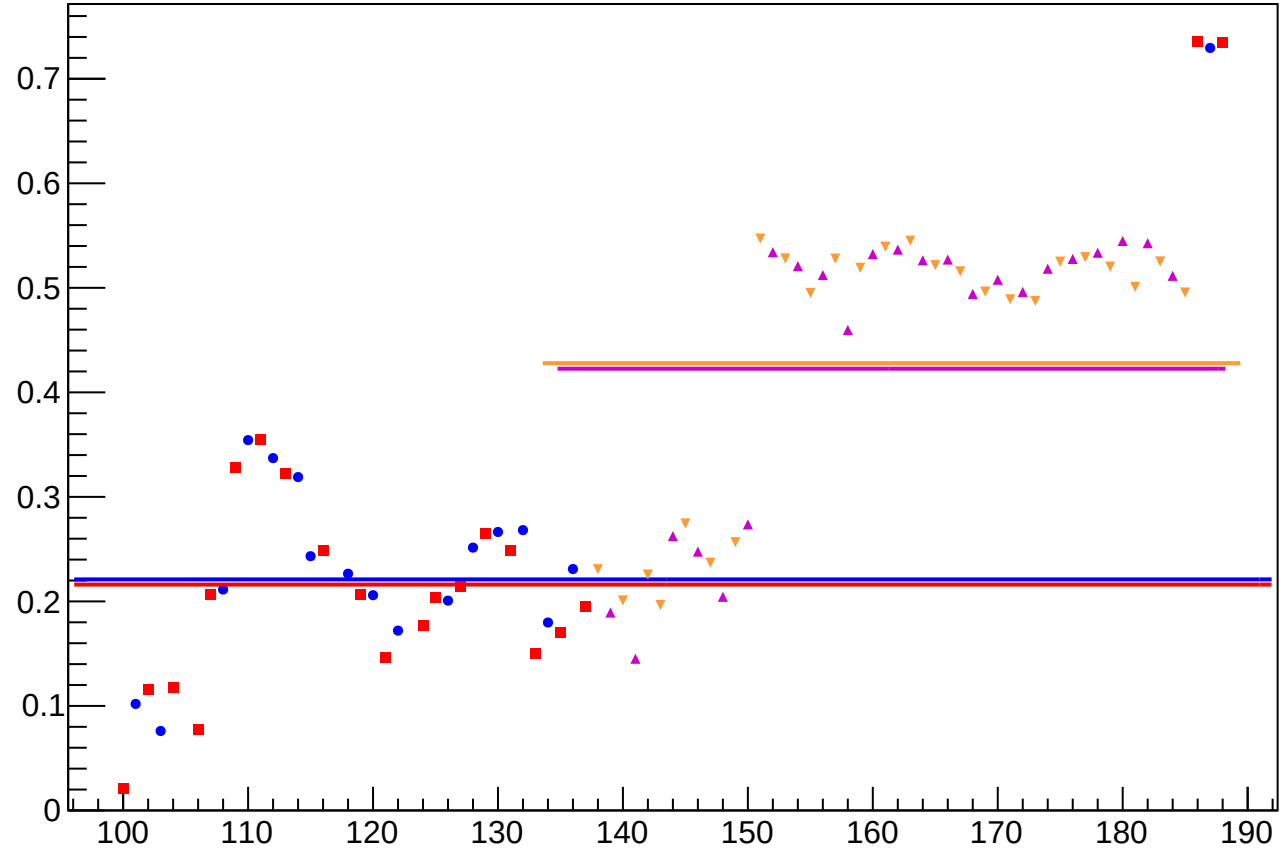
Right: 0.006+/-0.000 χ^2/NDF: 1962785.2/37

In: 0.004+/-0.000 χ^2/NDF:2915270.8/39

Out: 0.004+/-0.000 χ^2/NDF:3213128.7/45

All: 0.004+/-0.000 χ^2/NDF: 6134359.4/85

yield_bpm2i01X_mean vs Slug, Sign Corrected



Right In: 0.221+/-0.000 χ^2/NDF: 19478974953.9/16

Left Out: 0.428+/-0.000 χ^2/NDF:153820853539.2/24

Right Out: 0.216+/-0.000 χ^2/NDF: 45625223763.8/20

Left In: 0.423+/-0.000 χ^2/NDF:158122093061.2/22

Left: 0.425+/-0.000 χ^2/NDF: 312056221639.2/47

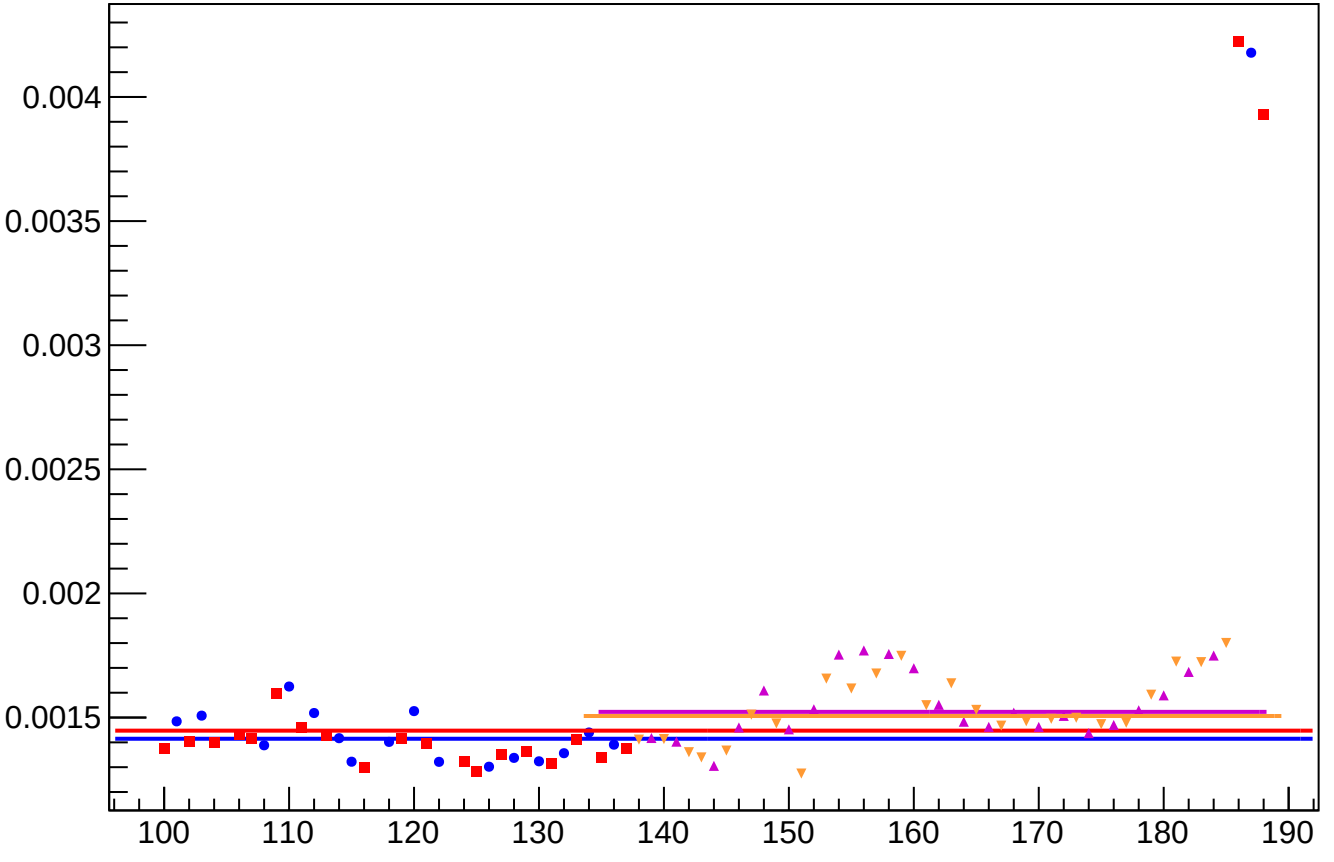
Right: 0.218+/-0.000 χ^2/NDF: 65149192502.0/37

In: 0.360+/-0.000 χ^2/NDF:275942643685.3/39

Out: 0.361+/-0.000 χ^2/NDF:318483620104.1/45

All: 0.360+/-0.000 χ^2/NDF: 594436525052.3

yield_bpm2i01X_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 210664.1/16

Left Out: 0.002+/-0.000 χ^2/NDF:278895.8/24

Right Out: 0.001+/-0.000 χ^2/NDF: 1173426.1/20

Left In: 0.002+/-0.000 χ^2/NDF:234679.9/22

Left: 0.002+/-0.000 χ^2/NDF: 515814.5/47

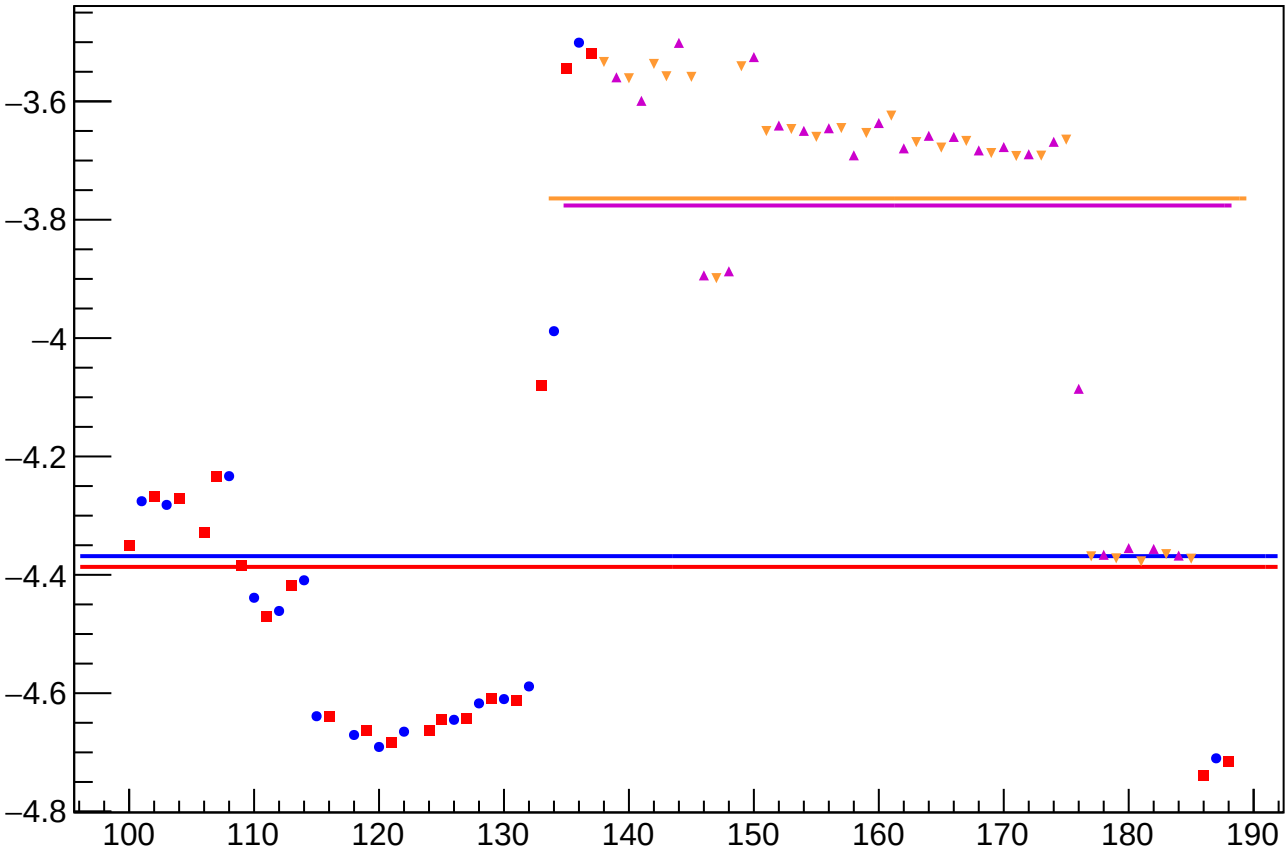
Right: 0.001+/-0.000 χ^2/NDF: 1388028.1/37

In: 0.001+/-0.000 χ^2/NDF:502147.0/39

Out: 0.001+/-0.000 χ^2/NDF:1470790.7/45

All: 0.001+/-0.000 χ^2/NDF: 1972963.2/85

yield_bpm2i01Y_mean vs Slug, Sign Corrected



Right In: -4.368+/-0.000 χ^2/NDF: 354740114677.3/16

Left Out: -3.764+/-0.000 χ^2/NDF:483461311370.8/24

Right Out: -4.387+/-0.000 χ^2/NDF: 312245301242.8/20

Left In: -3.776+/-0.000 χ^2/NDF:402659987166.3/22

Left: -3.770+/-0.000 χ^2/NDF: 886556013091.1/47

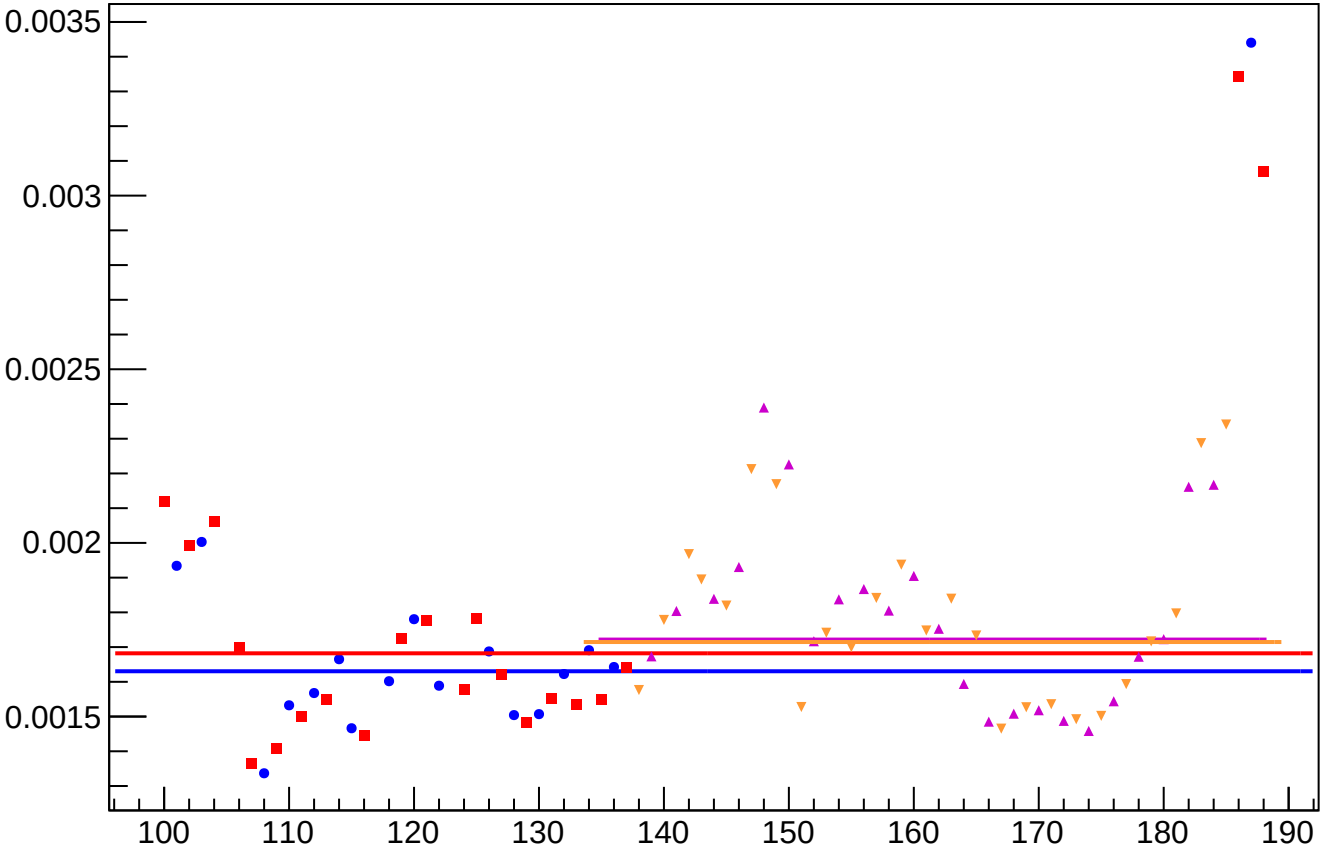
Right: -4.378+/-0.000 χ^2/NDF: 667439606065.1/37

In: -3.958+/-0.000 χ^2/NDF:1397411280109.5/39

Out: -3.959+/-0.000 χ^2/NDF:1562817090788.3/45

All: -3.959+/-0.000 χ^2/NDF: 2960234428783

yield_bpm2i01Y_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 237168.0/16

Left Out: 0.002+/-0.000 χ^2/NDF:562338.1/24

Right Out: 0.002+/-0.000 χ^2/NDF: 799432.4/20

Left In: 0.002+/-0.000 χ^2/NDF:581878.6/22

Left: 0.002+/-0.000 χ^2/NDF: 1144519.8/47

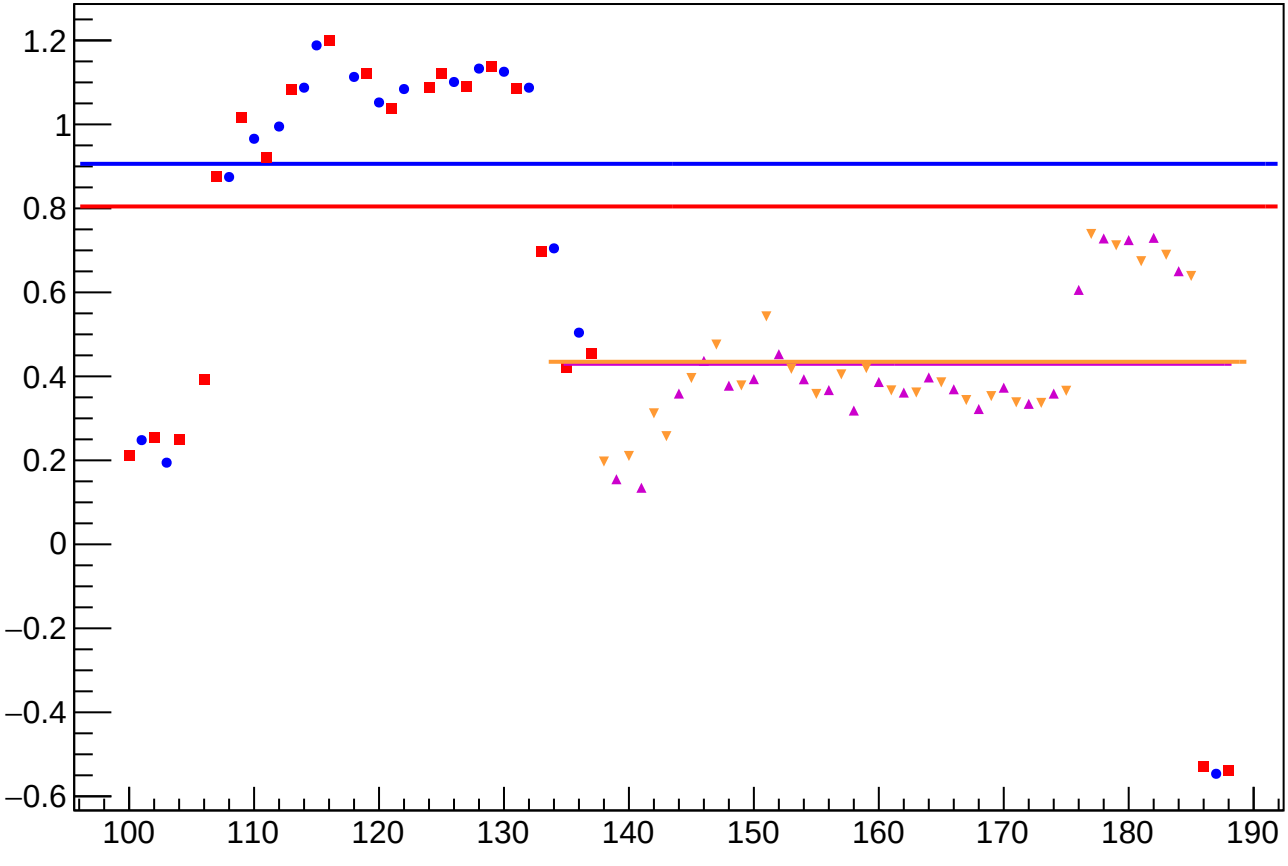
Right: 0.002+/-0.000 χ^2/NDF: 1043949.2/37

In: 0.002+/-0.000 χ^2/NDF:849383.1/39

Out: 0.002+/-0.000 χ^2/NDF:1365951.6/45

All: 0.002+/-0.000 χ^2/NDF: 2216371.5/85

yield_bpm2i02X_mean vs Slug, Sign Corrected



Right In: 0.906+/-0.000 χ^2/NDF: 18153601764.4/16

Left Out: 0.435+/-0.000 χ^2/NDF:8515333254.7/24

Right Out: 0.805+/-0.000 χ^2/NDF: 42331874604.4/20

Left In: 0.430+/-0.000 χ^2/NDF:9041195997.1/22

Left: 0.432+/-0.000 χ^2/NDF: 17560906918.4/47

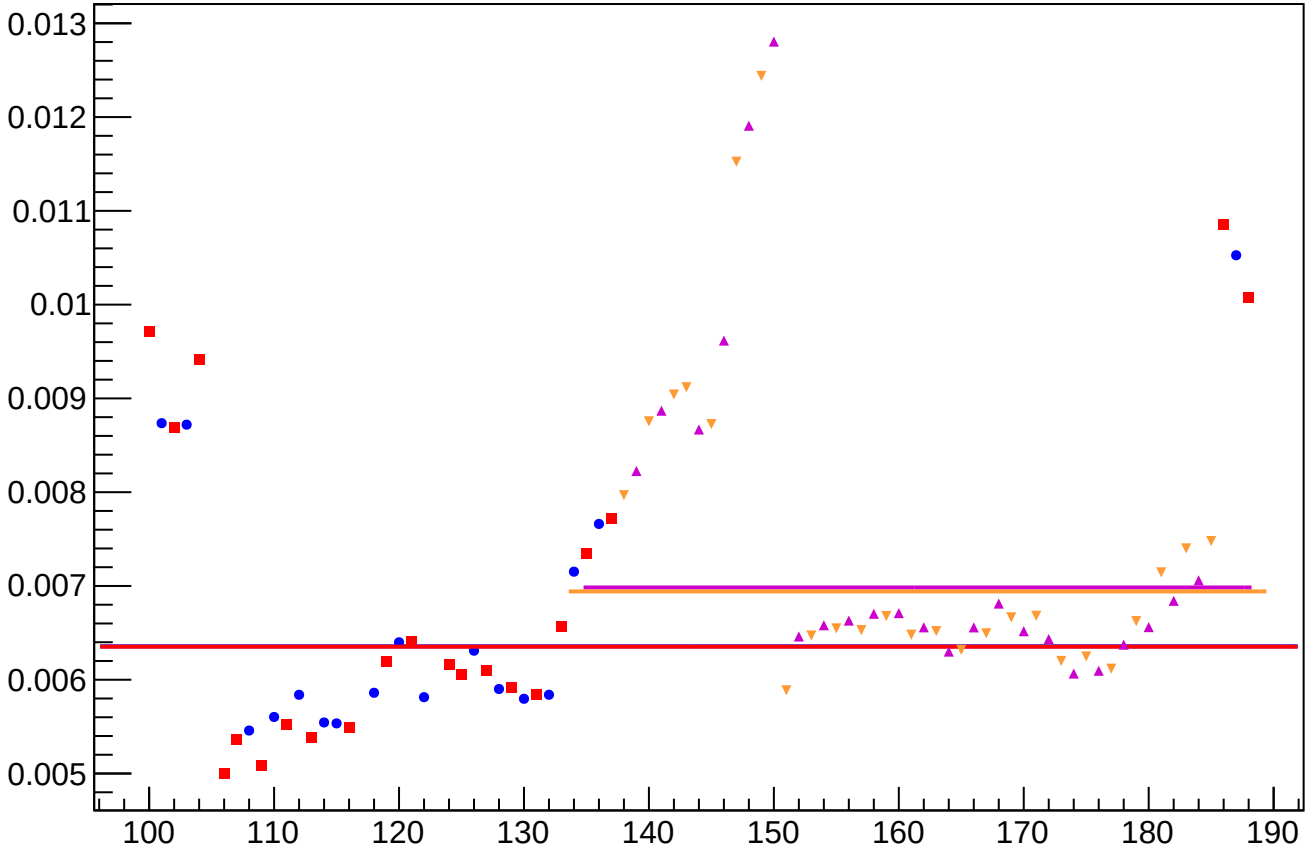
Right: 0.851+/-0.000 χ^2/NDF: 61473039466.3/37

In: 0.586+/-0.000 χ^2/NDF:54204165289.2/39

Out: 0.564+/-0.000 χ^2/NDF:69383163817.8/45

All: 0.575+/-0.000 χ^2/NDF: 123731049682.1

yield_bpm2i02X_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 394858.2/16

Left Out: 0.007+/-0.000 χ^2/NDF:1090916.4/24

Right Out: 0.006+/-0.000 χ^2/NDF: 863738.3/20

Left In: 0.007+/-0.000 χ^2/NDF:1136529.0/22

Left: 0.007+/-0.000 χ^2/NDF: 2228107.8/47

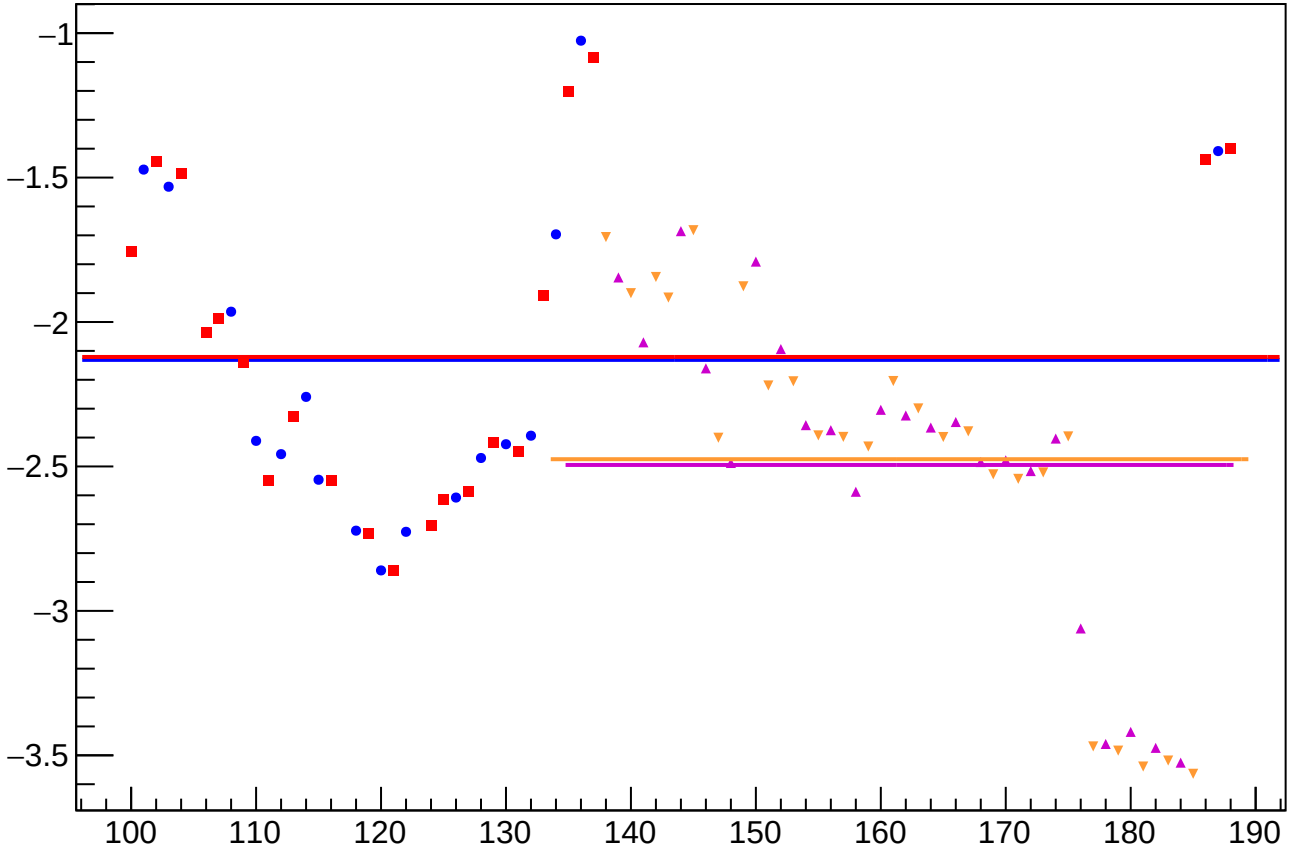
Right: 0.006+/-0.000 χ^2/NDF: 1258598.8/37

In: 0.007+/-0.000 χ^2/NDF:1625273.8/39

Out: 0.007+/-0.000 χ^2/NDF:2048747.3/45

All: 0.007+/-0.000 χ^2/NDF: 3674996.4/85

yield_bpm2i02Y_mean vs Slug, Sign Corrected



Right In: -2.131+/-0.000 χ^2/NDF: 66705545674.8/16

Left Out: -2.475+/-0.000 χ^2/NDF:122955897541.5/24

Right Out: -2.121+/-0.000 χ^2/NDF: 65533529933.0/20

Left In: -2.495+/-0.000 χ^2/NDF:96774638297.6/22

Left: -2.485+/-0.000 χ^2/NDF: 219817663018.7/47

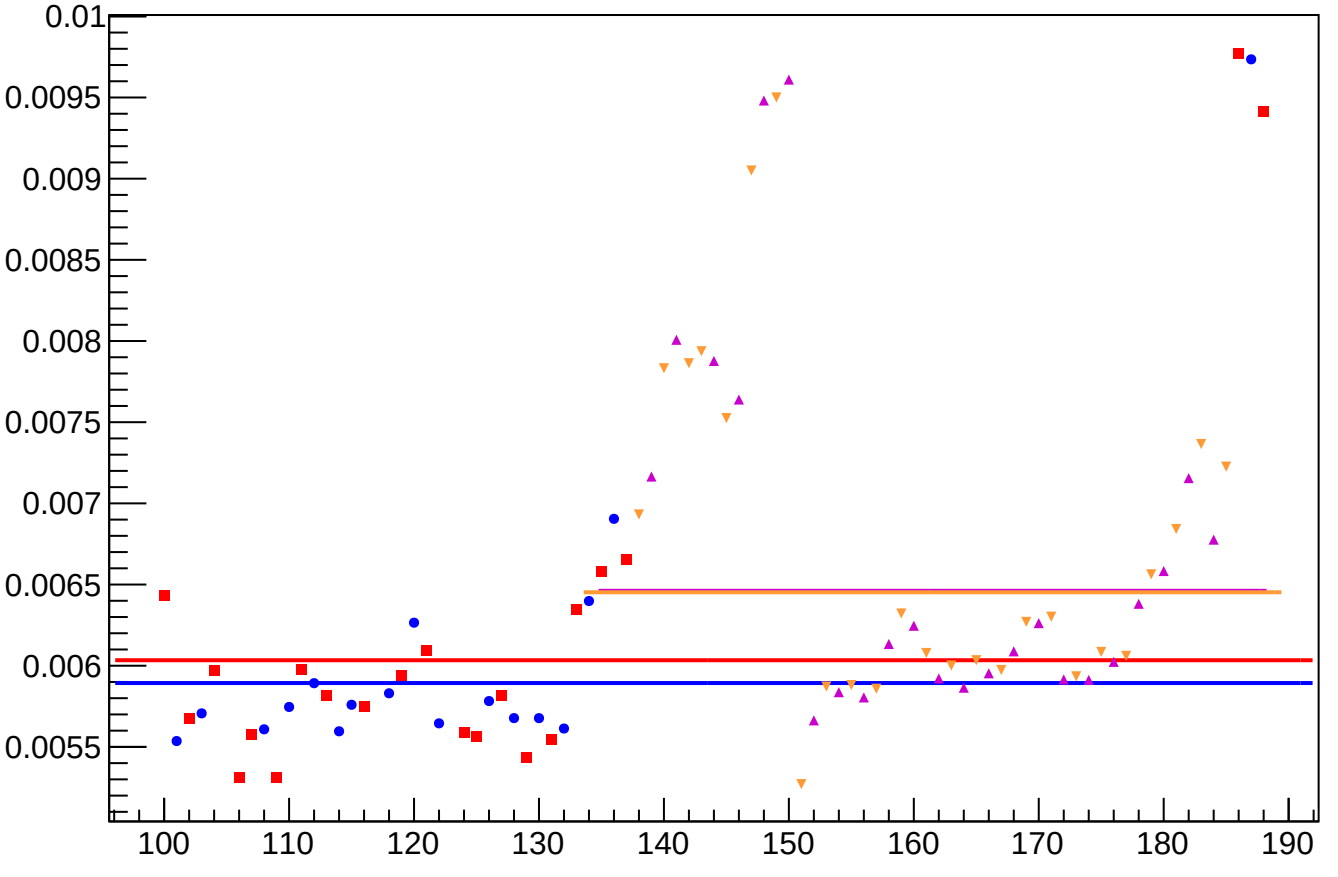
Right: -2.126+/-0.000 χ^2/NDF: 132250395651.6/37

In: -2.375+/-0.000 χ^2/NDF:182229851521.7/39

Out: -2.354+/-0.000 χ^2/NDF:207999255172.1/45

All: -2.364+/-0.000 χ^2/NDF: 390376065563.8

yield_bpm2i02Y_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 120646.3/16

Left Out: 0.006+/-0.000 χ^2/NDF:713238.0/24

Right Out: 0.006+/-0.000 χ^2/NDF: 447166.2/20

Left In: 0.006+/-0.000 χ^2/NDF:720640.7/22

Left: 0.006+/-0.000 χ^2/NDF: 1433914.6/47

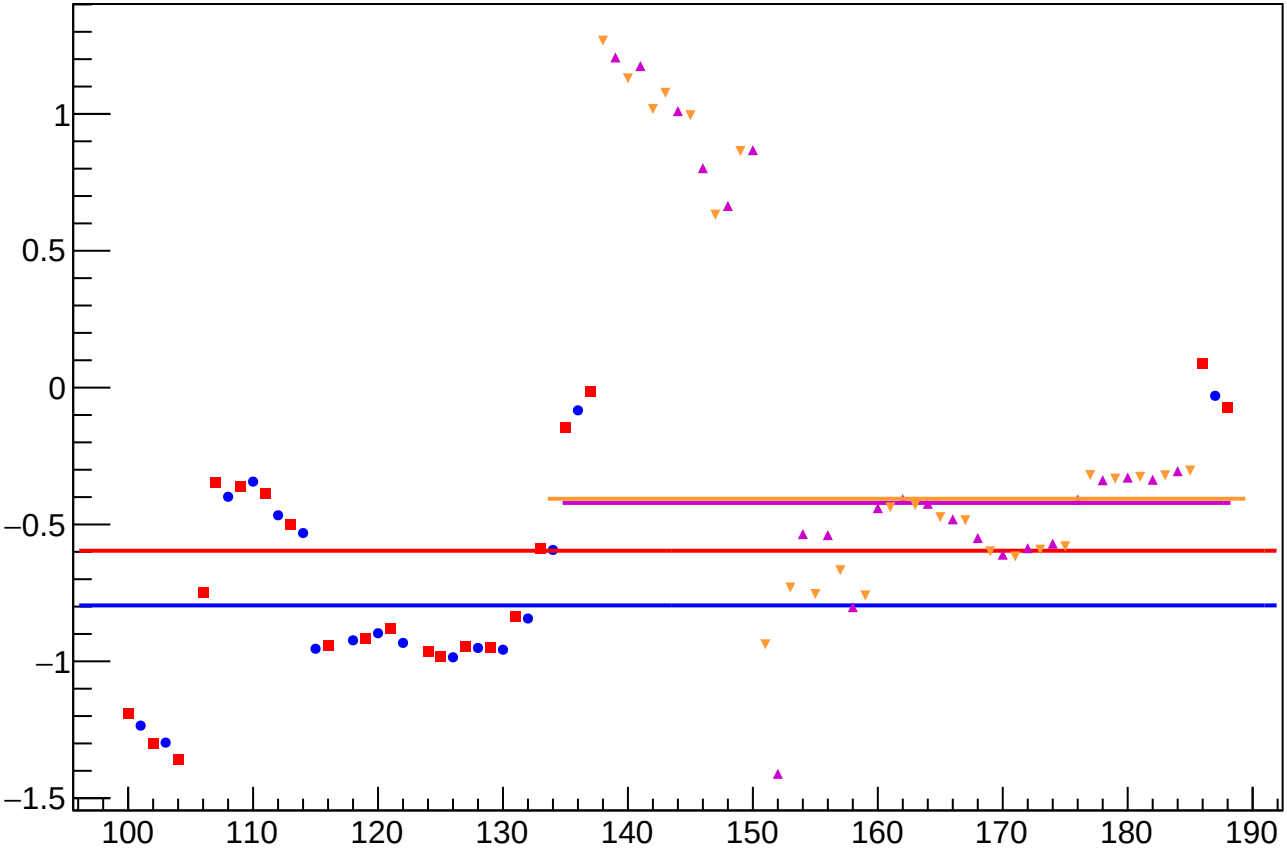
Right: 0.006+/-0.000 χ^2/NDF: 572221.5/37

In: 0.006+/-0.000 χ^2/NDF:932755.8/39

Out: 0.006+/-0.000 χ^2/NDF:1214989.5/45

All: 0.006+/-0.000 χ^2/NDF: 2148566.7/85

yield_bpm0i01X_mean vs Slug, Sign Corrected



Right In: -0.796+/-0.000 χ^2/NDF: 8798054763.7/16

Left Out: -0.406+/-0.000 χ^2/NDF:81633647828.2/24

Right Out: -0.596+/-0.000 χ^2/NDF: 18606613194.5/20

Left In: -0.421+/-0.000 χ^2/NDF:90241717621.7/22

Left: -0.413+/-0.000 χ^2/NDF: 171915637988.1/47

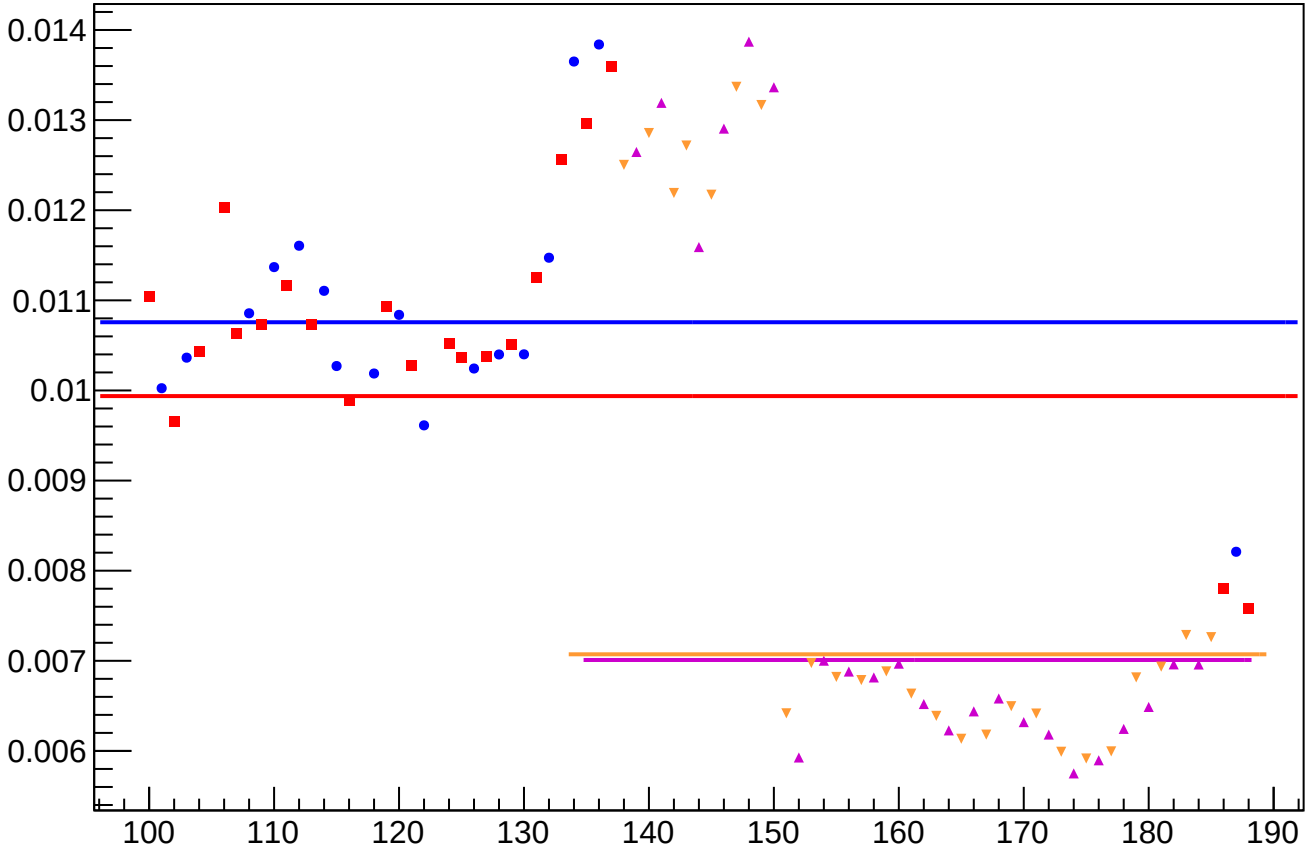
Right: -0.680+/-0.000 χ^2/NDF: 28841014171.7/37

In: -0.479+/-0.000 χ^2/NDF:106425947940.7/39

Out: -0.443+/-0.000 χ^2/NDF:102720732879.8/45

All: -0.460+/-0.000 χ^2/NDF: 209423158296.4

yield_bpm0i01X_rms vs Slug, Sign Corrected



Right In: 0.011+/-0.000 χ^2/NDF: 194906.7/16

Left Out: 0.007+/-0.000 χ^2/NDF:2384159.5/24

Right Out: 0.010+/-0.000 χ^2/NDF: 435294.0/20

Left In: 0.007+/-0.000 χ^2/NDF:2456348.6/22

Left: 0.007+/-0.000 χ^2/NDF: 4841897.1/47

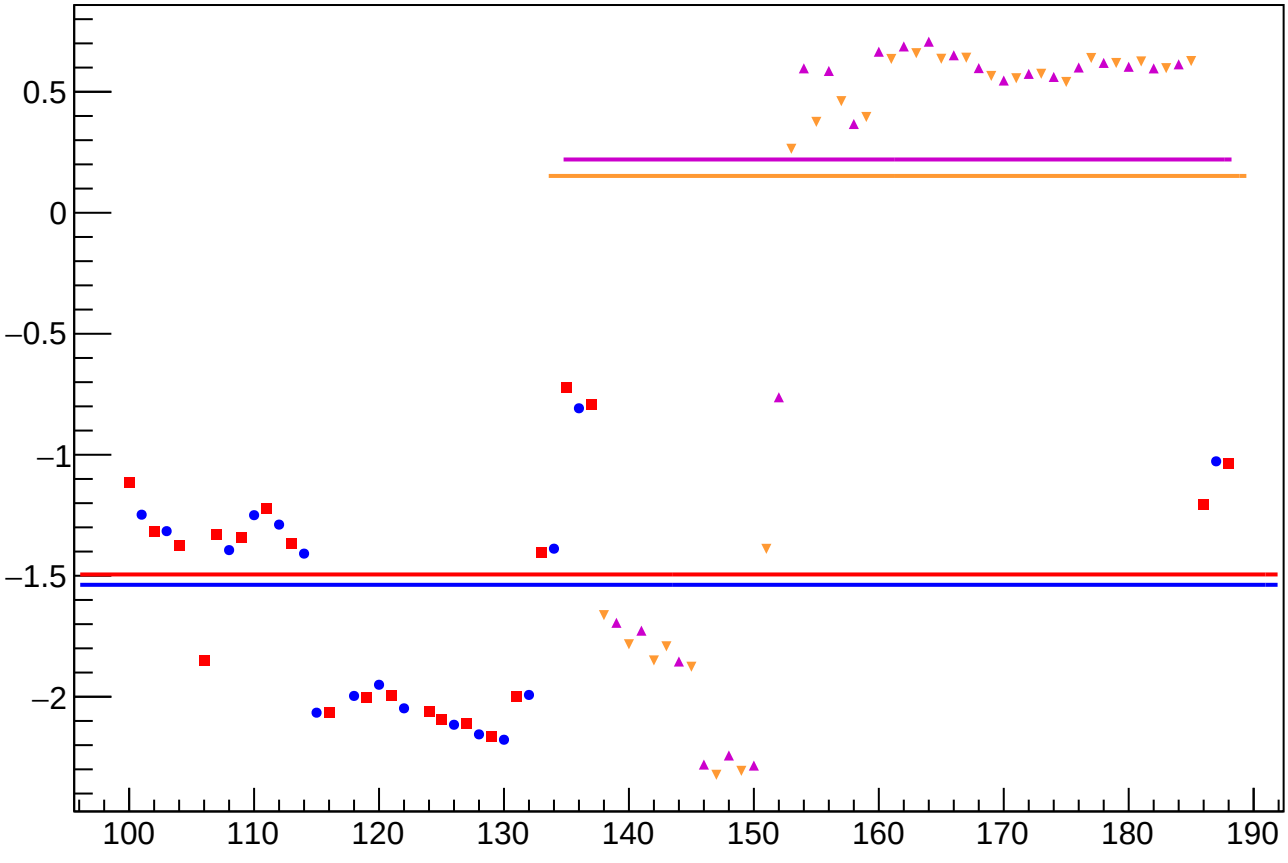
Right: 0.010+/-0.000 χ^2/NDF: 678519.3/37

In: 0.008+/-0.000 χ^2/NDF:4130337.3/39

Out: 0.008+/-0.000 χ^2/NDF:3948280.0/45

All: 0.008+/-0.000 χ^2/NDF: 8079271.6/85

yield_bpm0i01Y_mean vs Slug, Sign Corrected



Right In: -1.537+/-0.000 χ^2/NDF: 164140713742.1/16

Left Out: 0.152+/-0.000 χ^2/NDF:2398778835341.2/24

Right Out: -1.495+/-0.000 χ^2/NDF: 156018754620.0/20

Left In: 0.220+/-0.000 χ^2/NDF:2121977245985.6/22

Left: 0.185+/-0.000 χ^2/NDF: 4527353258188.4/47

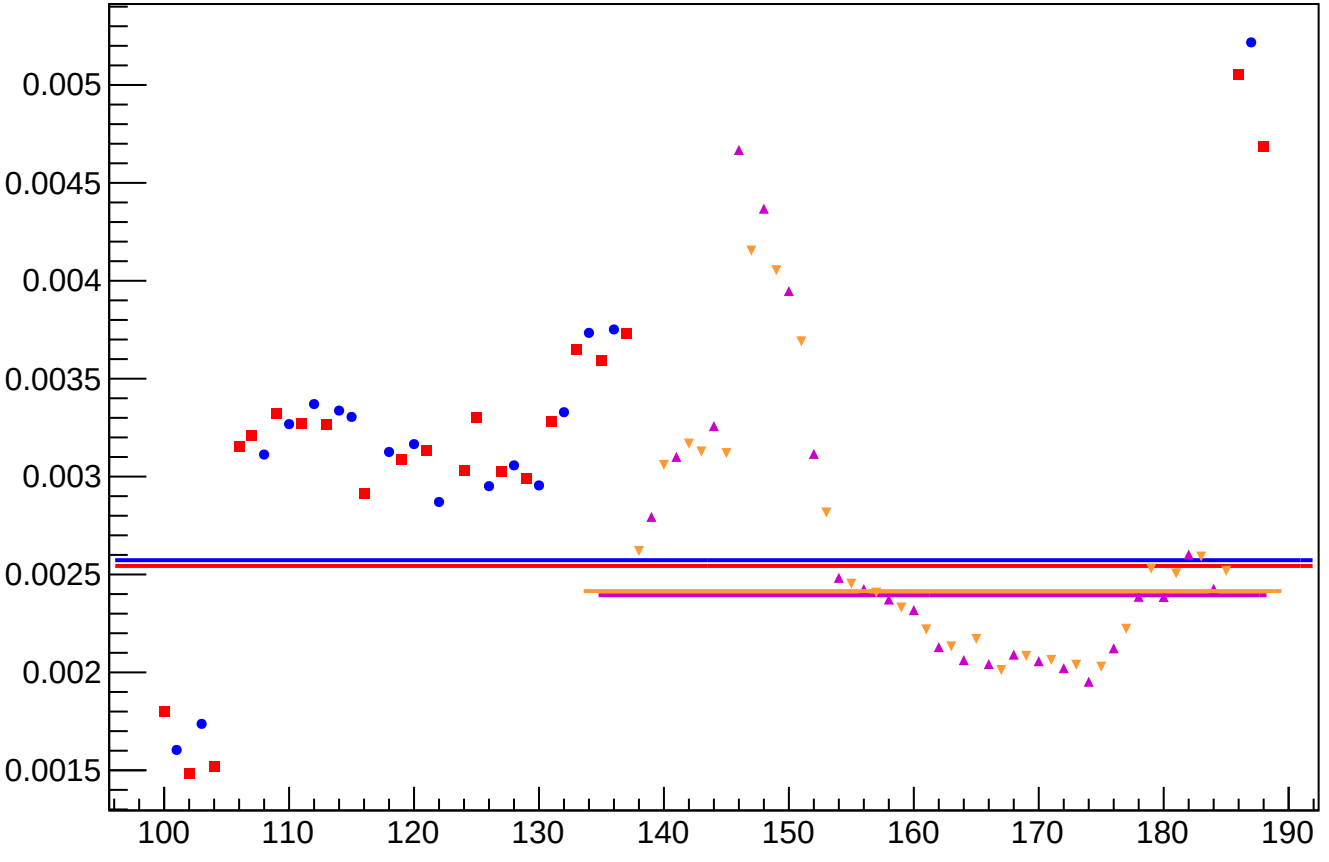
Right: -1.515+/-0.000 χ^2/NDF: 321075244923.6/37

In: -0.221+/-0.000 χ^2/NDF:4449604697810.6/39

Out: -0.291+/-0.000 χ^2/NDF:4688692015857.3/45

All: -0.257+/-0.000 χ^2/NDF: 9147549610815

yield_bpm0i01Y_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 1265432.3/16

Left Out: 0.002+/-0.000 χ^2/NDF:1220406.4/24

Right Out: 0.003+/-0.000 χ^2/NDF: 2176514.1/20

Left In: 0.002+/-0.000 χ^2/NDF:1409595.4/22

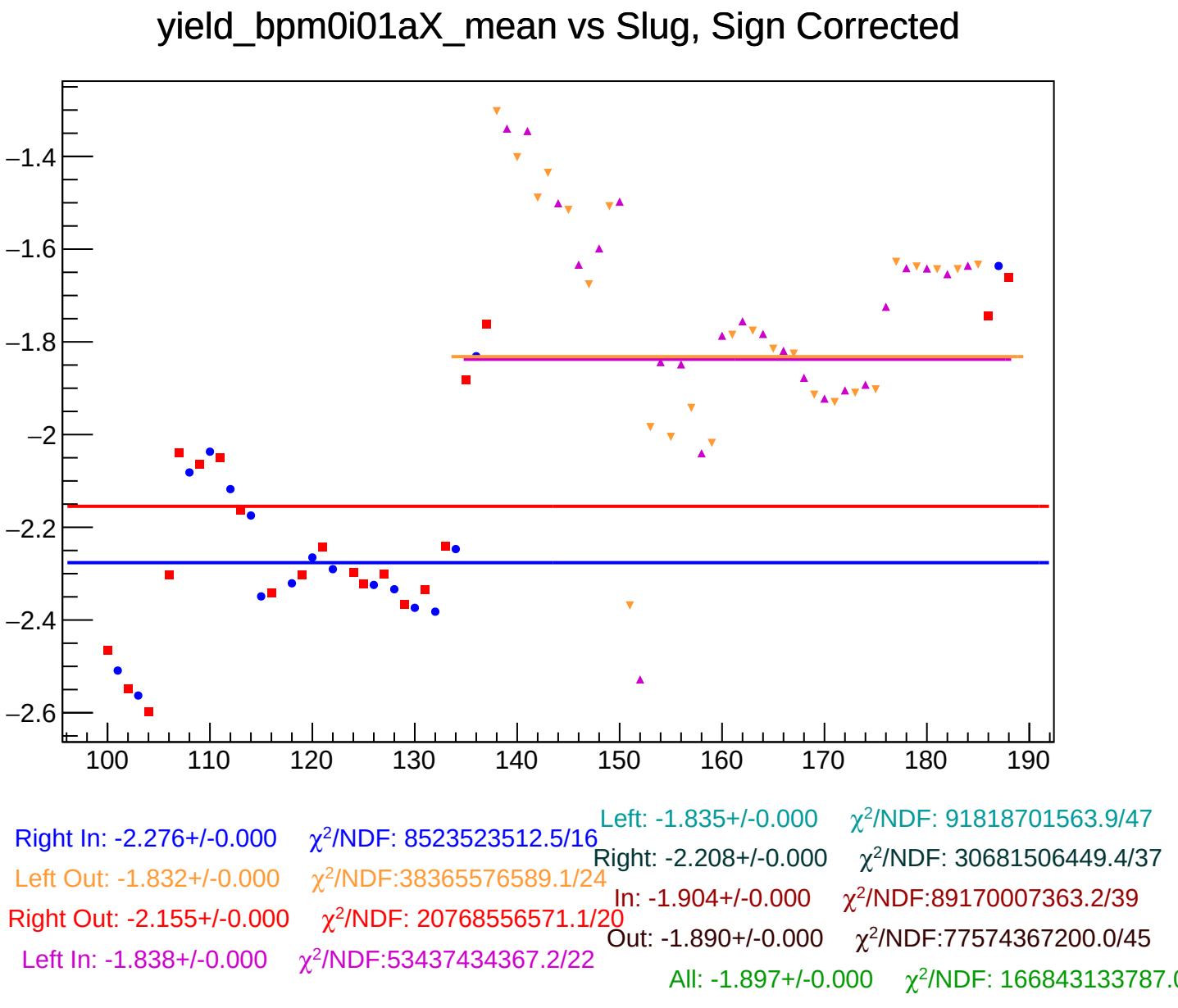
Left: 0.002+/-0.000 χ^2/NDF: 2631272.1/47

Right: 0.003+/-0.000 χ^2/NDF: 3442806.3/37

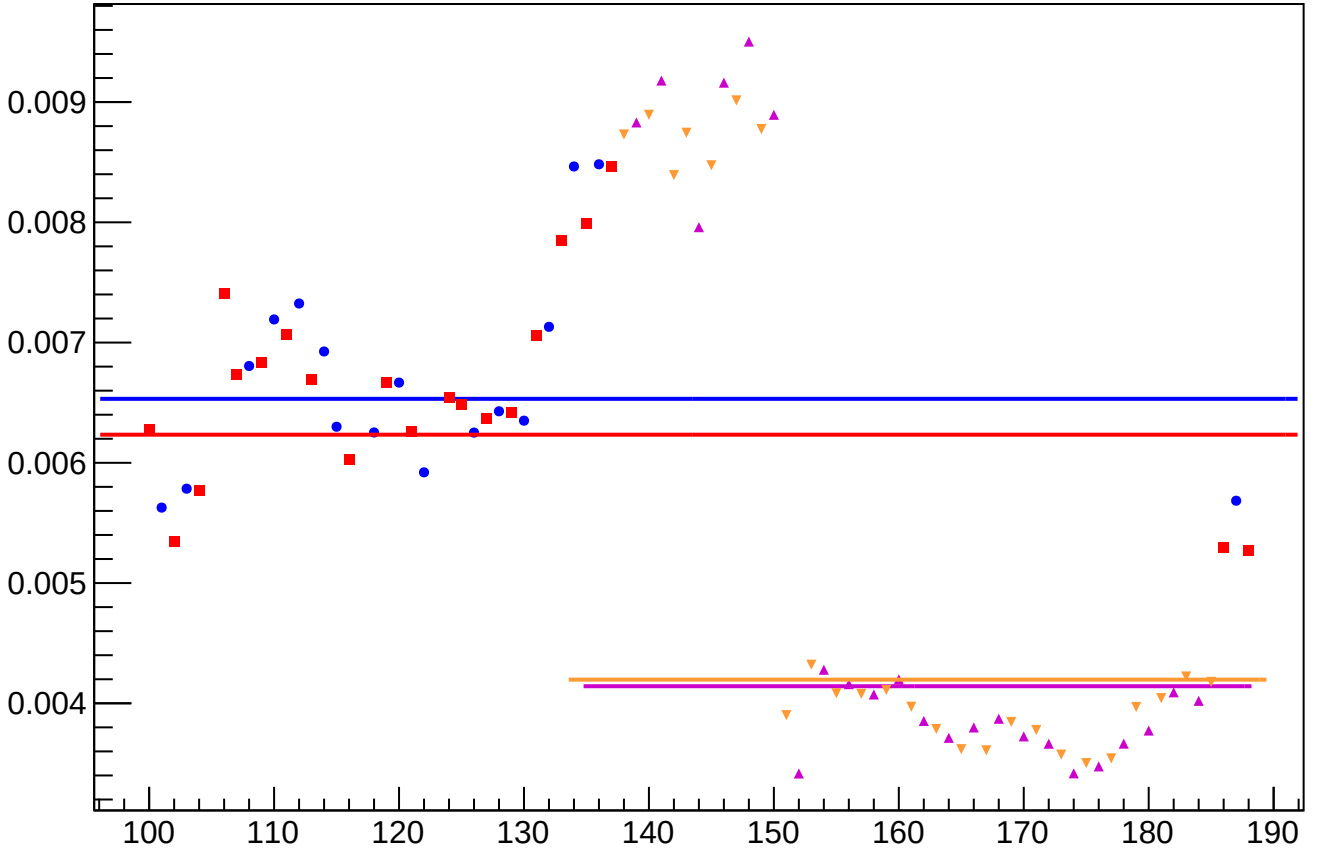
In: 0.002+/-0.000 χ^2/NDF:2719864.8/39

Out: 0.002+/-0.000 χ^2/NDF:3422909.0/45

All: 0.002+/-0.000 χ^2/NDF: 6143215.6/85


yield_bpm0i01aX_mean vs Slug, Sign Corrected
−1.4
−1.6
−1.8
−2
−2.2
−2.4
−2.6
100
110
120
130
140
150
160
170
180
190
Right In: -2.276+/-0.000 χ²/NDF: 8523523512.5/16
Left Out: -1.832+/-0.000 χ²/NDF:38365576589.1/24
Right Out: -2.155+/-0.000 χ²/NDF: 20768556571.1/20
Left In: -1.838+/-0.000 χ²/NDF:53437434367.2/22
Left: -1.835+/-0.000 χ²/NDF: 91818701563.9/47
Right: -2.208+/-0.000 χ²/NDF: 30681506449.4/37
In: -1.904+/-0.000 χ²/NDF:89170007363.2/39
Out: -1.890+/-0.000 χ²/NDF:77574367200.0/45
All: -1.897+/-0.000 χ²/NDF: 166843133787.0

yield_bpm0i01aX_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 230286.5/16

Left Out: 0.004+/-0.000 χ^2/NDF:3091489.2/24

Right Out: 0.006+/-0.000 χ^2/NDF: 300012.4/20

Left In: 0.004+/-0.000 χ^2/NDF:3193924.3/22

Left: 0.004+/-0.000 χ^2/NDF: 6288278.1/47

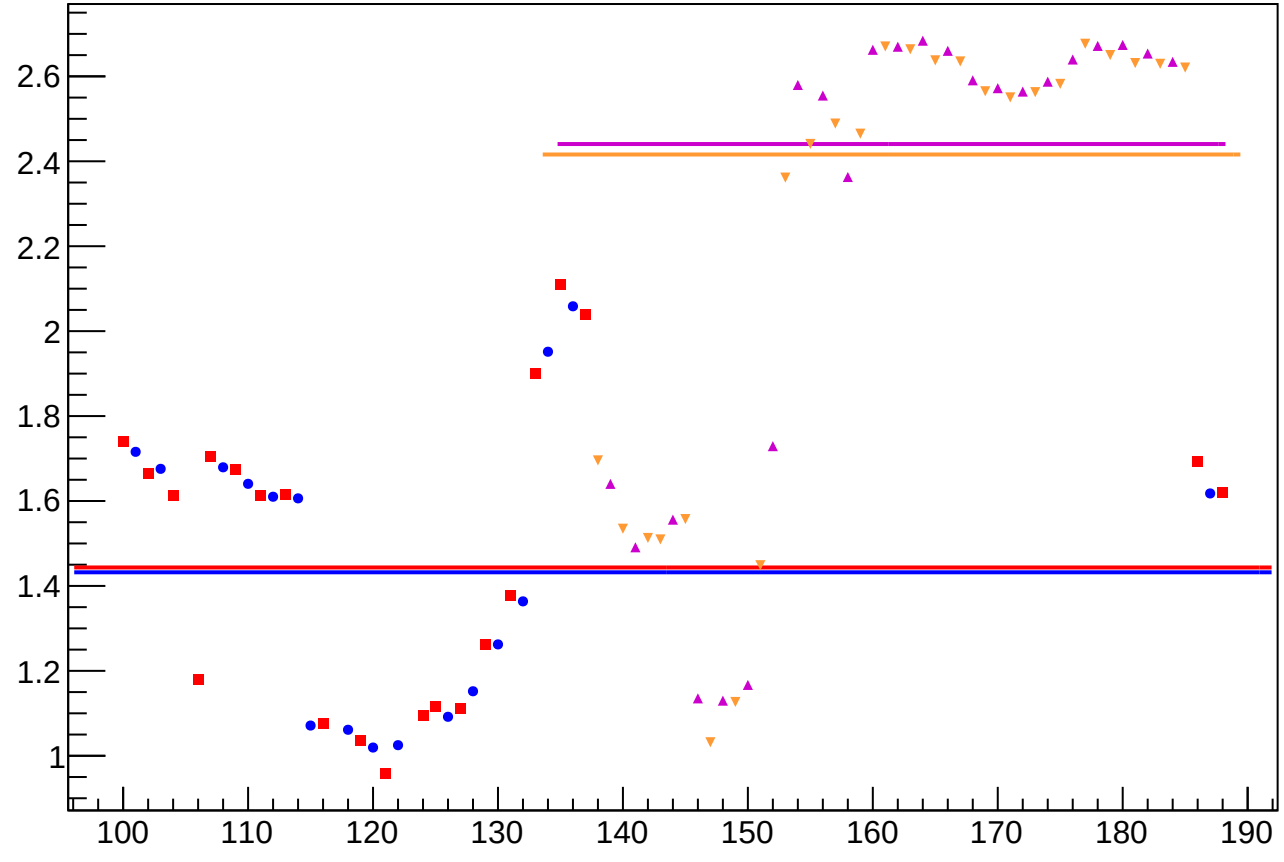
Right: 0.006+/-0.000 χ^2/NDF: 547013.7/37

In: 0.005+/-0.000 χ^2/NDF:5039417.6/39

Out: 0.005+/-0.000 χ^2/NDF:4859952.5/45

All: 0.005+/-0.000 χ^2/NDF: 9904201.0/85

yield_bpm0i01aY_mean vs Slug, Sign Corrected



Right In: 1.432+/-0.000 χ^2/NDF: 189405122599.1/16

Left Out: 2.416+/-0.000 χ^2/NDF:242949391498.0/24

Right Out: 1.443+/-0.000 χ^2/NDF: 184224832973.1/20

Left In: 2.441+/-0.000 χ^2/NDF:231724954471.8/22

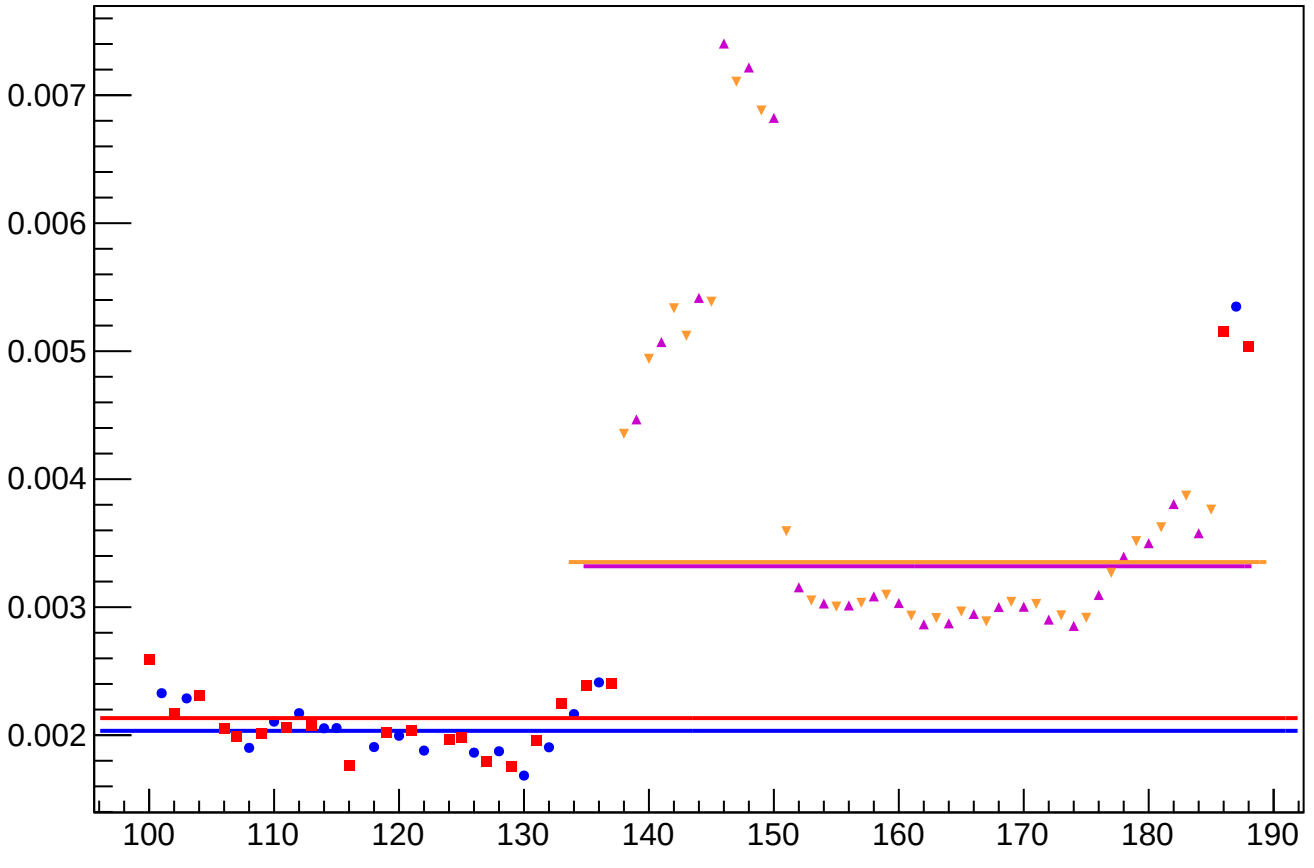
Left: 2.428+/-0.000 χ^2/NDF: 475134633285.5/47

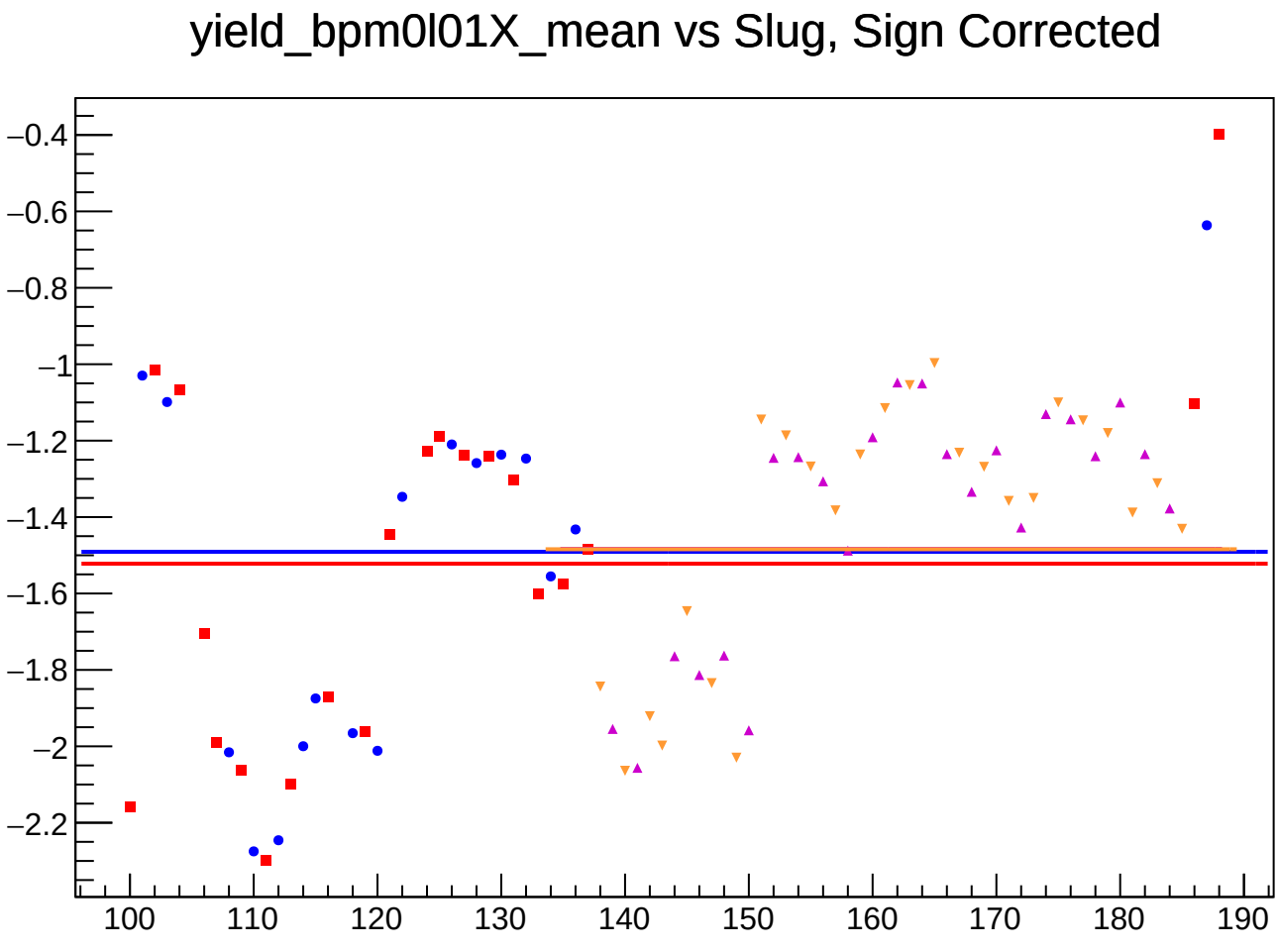
Right: 1.438+/-0.000 χ^2/NDF: 373737220666.0/37

In: 1.912+/-0.000 χ^2/NDF:1211225398261.1/39

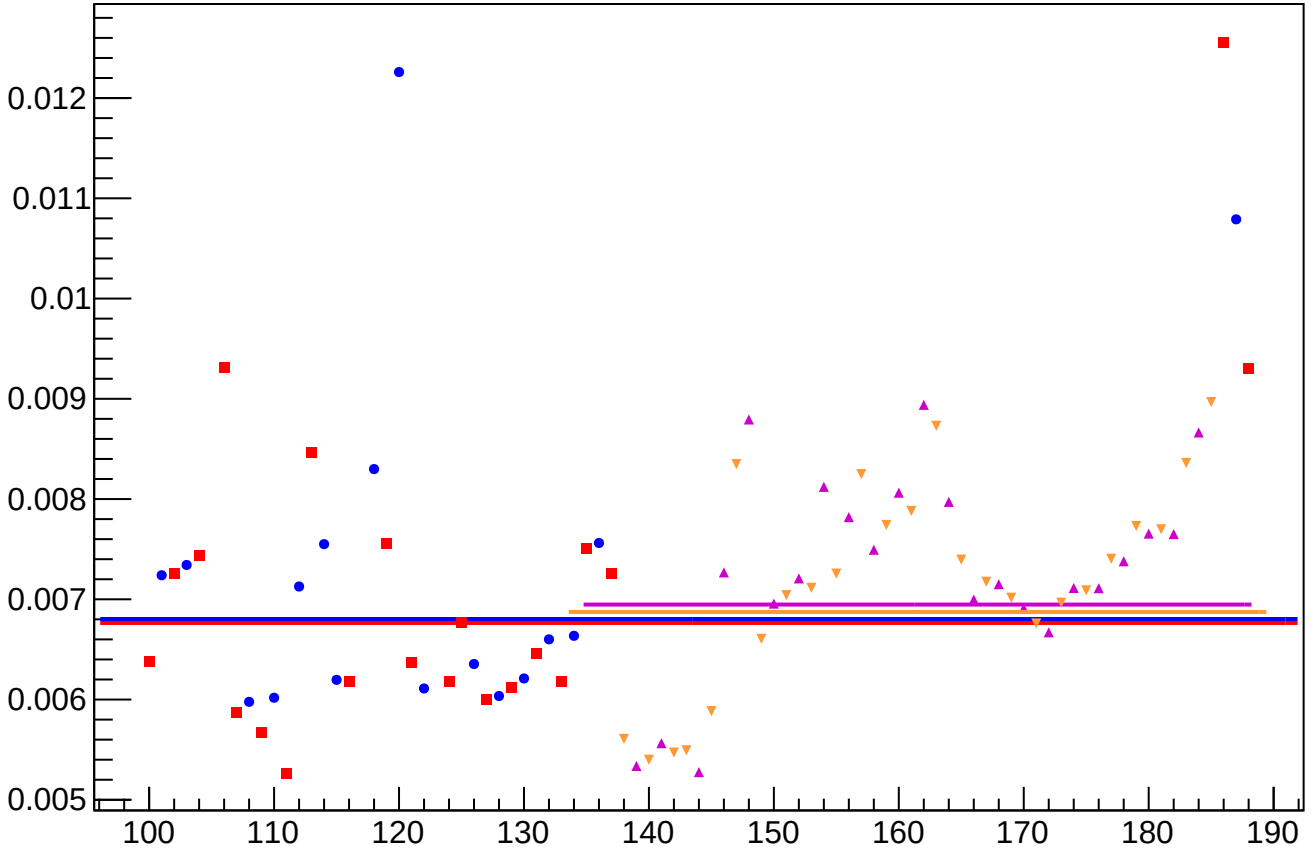
Out: 1.910+/-0.000 χ^2/NDF:1191295857417.8/45

All: 1.911+/-0.000 χ^2/NDF: 2402528488901.


yield_bpm0i01aY_rms vs Slug, Sign Corrected
0.007
0.006
0.005
0.004
0.003
0.002
100
110
120
130
140
150
160
170
180
190
Right In: 0.002+/-0.000 χ²/NDF: 297918.5/16
Left Out: 0.003+/-0.000 χ²/NDF:1819921.4/24
Right Out: 0.002+/-0.000 χ²/NDF: 1060518.9/20
Left In: 0.003+/-0.000 χ²/NDF:2055631.9/22
Left: 0.003+/-0.000 χ²/NDF: 3877180.3/47
Right: 0.002+/-0.000 χ²/NDF: 1374786.9/37
In: 0.003+/-0.000 χ²/NDF:4921832.9/39
Out: 0.003+/-0.000 χ²/NDF:5282325.1/45
All: 0.003+/-0.000 χ²/NDF: 10220698.4/85


yield_bpm0l01X_mean vs Slug, Sign Corrected
−0.4
−0.6
−0.8
−1
−1.2
−1.4
−1.6
−1.8
−2
−2.2
100
110
120
130
140
150
160
170
180
190
Right In: -1.491+/-0.000 χ²/NDF: 23948667354.6/16
Left Out: -1.484+/-0.000 χ²/NDF:48438764764.6/24
Right Out: -1.522+/-0.000 χ²/NDF: 43190937602.8/20
Left In: -1.483+/-0.000 χ²/NDF:40353431150.9/22
Left: -1.484+/-0.000 χ²/NDF: 88792333216.2/47
Right: -1.508+/-0.000 χ²/NDF: 67216234822.4/37
In: -1.486+/-0.000 χ²/NDF:64307825075.3/39
Out: -1.496+/-0.000 χ²/NDF:91801662309.0/45
All: -1.491+/-0.000 χ²/NDF: 156138800556.8

yield_bpm0l01X_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 282907.5/16

Left Out: 0.007+/-0.000 χ^2/NDF:745531.3/24

Right Out: 0.007+/-0.000 χ^2/NDF: 548764.2/20

Left In: 0.007+/-0.000 χ^2/NDF:746731.6/22

Left: 0.007+/-0.000 χ^2/NDF: 1494256.2/47

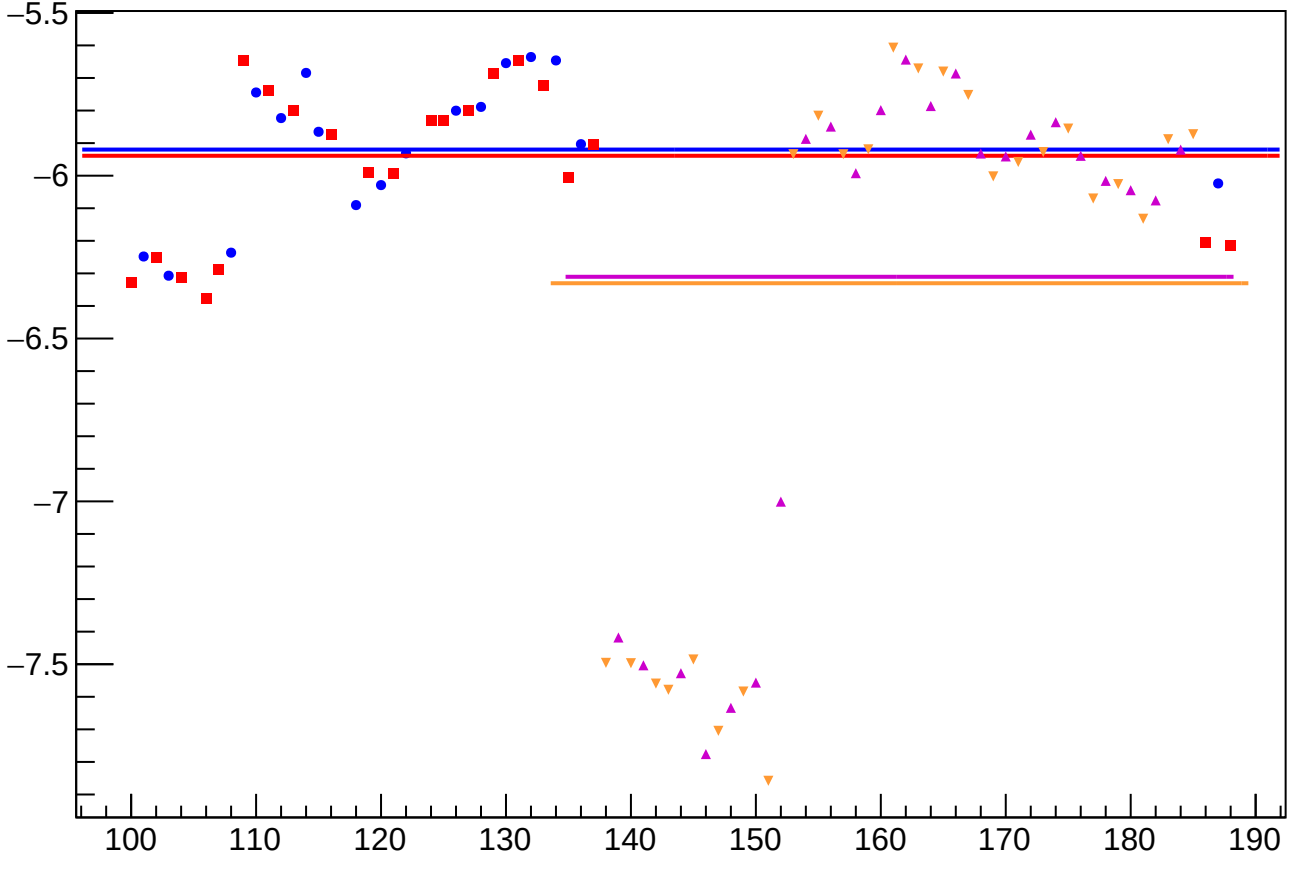
Right: 0.007+/-0.000 χ^2/NDF: 831915.8/37

In: 0.007+/-0.000 χ^2/NDF:1033871.4/39

Out: 0.007+/-0.000 χ^2/NDF:1297196.7/45

All: 0.007+/-0.000 χ^2/NDF: 2333391.1/85

yield_bpm0l01Y_mean vs Slug, Sign Corrected



Right In: -5.920+/-0.000 χ^2/NDF: 11751126592.4/16

Left Out: -6.330+/-0.000 χ^2/NDF:110328634370.4/24

Right Out: -5.939+/-0.000 χ^2/NDF: 13285872053.9/20

Left In: -6.310+/-0.000 χ^2/NDF:91689184100.9/22

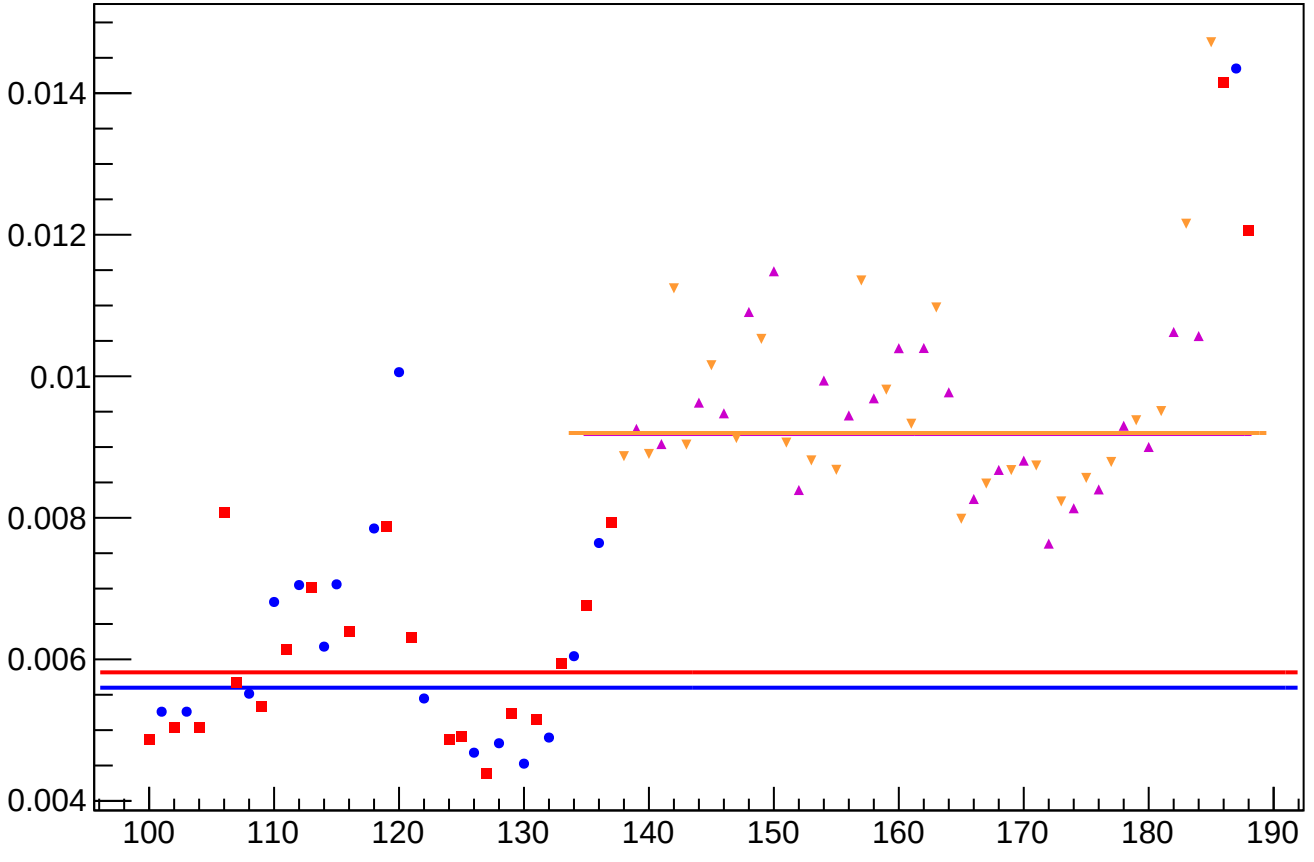
Left: -6.321+/-0.000 χ^2/NDF: 202054497687.3/47

Right: -5.930+/-0.000 χ^2/NDF: 25074777870.3/37

In: -6.107+/-0.000 χ^2/NDF:117969236377.6/39

Out: -6.121+/-0.000 χ^2/NDF:139228514680.4/45

All: -6.114+/-0.000 χ^2/NDF: 257238204887.6



Right In: 0.006+/-0.000 χ^2/NDF: 618336.4/16

Left Out: 0.009+/-0.000 χ^2/NDF:367040.4/24

Right Out: 0.006+/-0.000 χ^2/NDF: 1152532.6/20

Left In: 0.009+/-0.000 χ^2/NDF:319063.5/22

Left: 0.009+/-0.000 χ^2/NDF: 686142.8/47

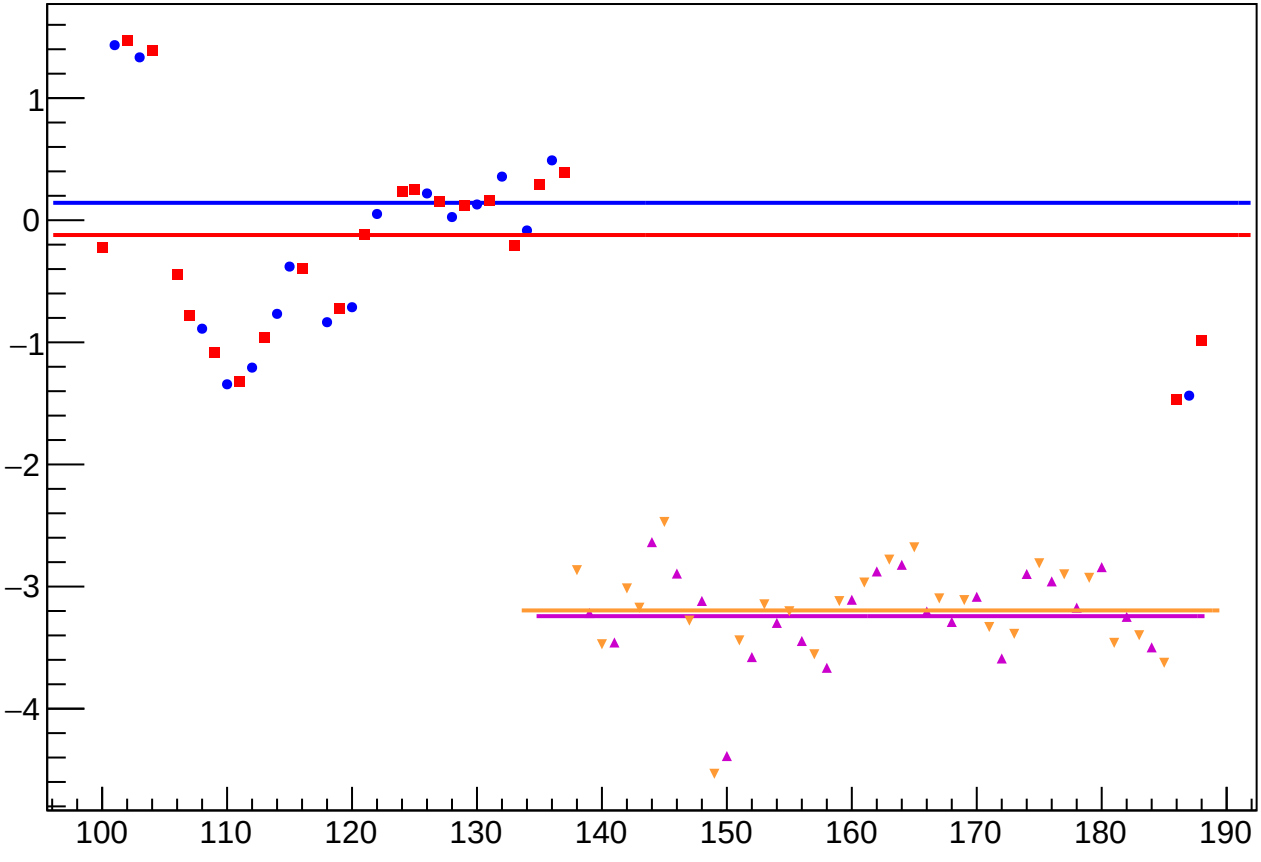
Right: 0.006+/-0.000 χ^2/NDF: 1780680.3/37

In: 0.007+/-0.000 χ^2/NDF:3384636.0/39

Out: 0.007+/-0.000 χ^2/NDF:3851395.5/45

All: 0.007+/-0.000 χ^2/NDF: 7238307.3/85

yield_bpm0l02X_mean vs Slug, Sign Corrected



Right In: 0.142+/-0.000 χ^2/NDF: 18967831889.8/16

Left Out: -3.195+/-0.000 χ^2/NDF:9538006171.4/24

Right Out: -0.121+/-0.000 χ^2/NDF: 26938335269.6/20

Left In: -3.242+/-0.000 χ^2/NDF:7955956403.6/22

Left: -3.218+/-0.000 χ^2/NDF: 17560435430.7/47

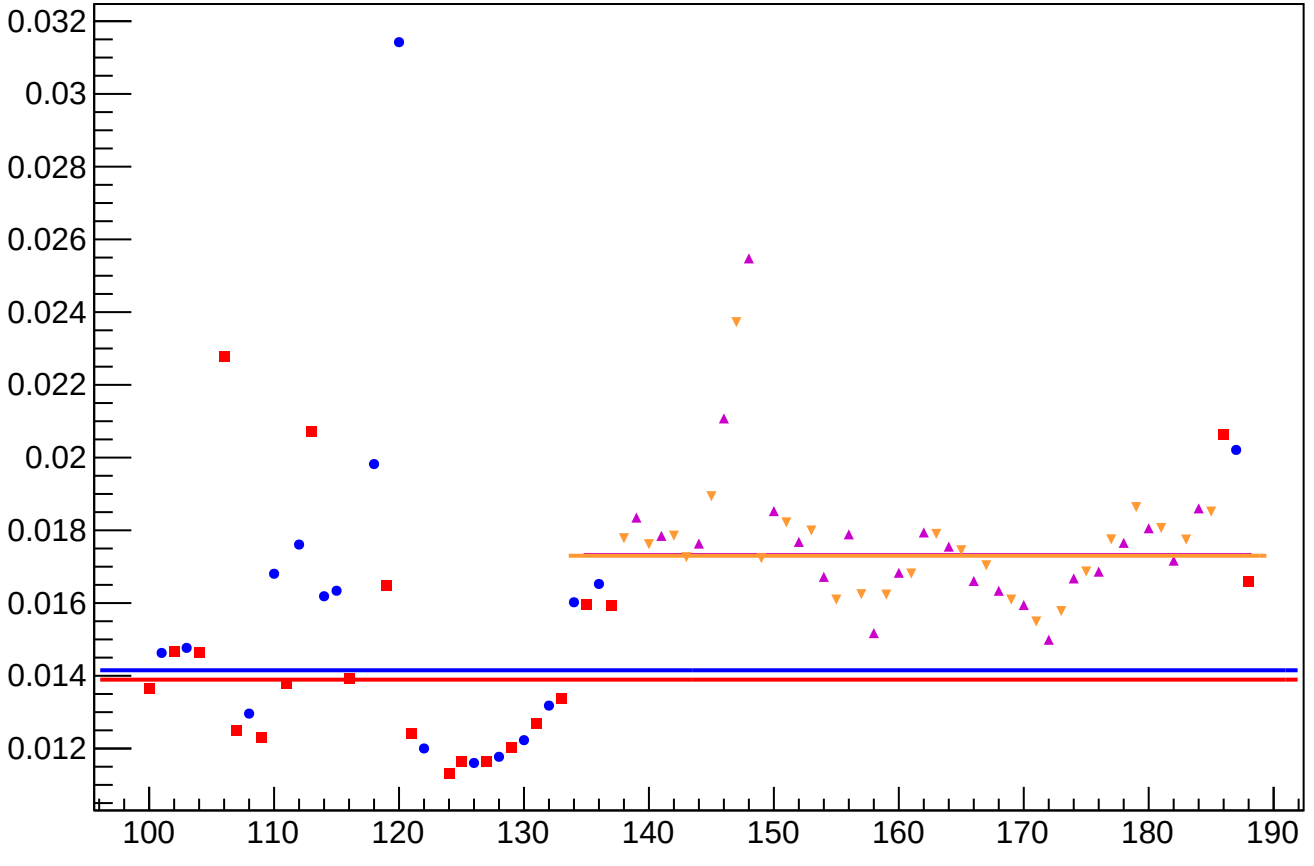
Right: -0.006+/-0.000 χ^2/NDF: 47165839225.6/37

In: -2.038+/-0.000 χ^2/NDF:264934986709.5/39

Out: -1.966+/-0.000 χ^2/NDF:271097802598.4/45

All: -2.000+/-0.000 χ^2/NDF: 536287620658.2

yield_bpm0l02X_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 495686.0/16

Left Out: 0.017+/-0.000 χ^2/NDF:218030.0/24

Right Out: 0.014+/-0.000 χ^2/NDF: 451653.8/20

Left In: 0.017+/-0.000 χ^2/NDF:329879.6/22

Left: 0.017+/-0.000 χ^2/NDF: 547937.7/47

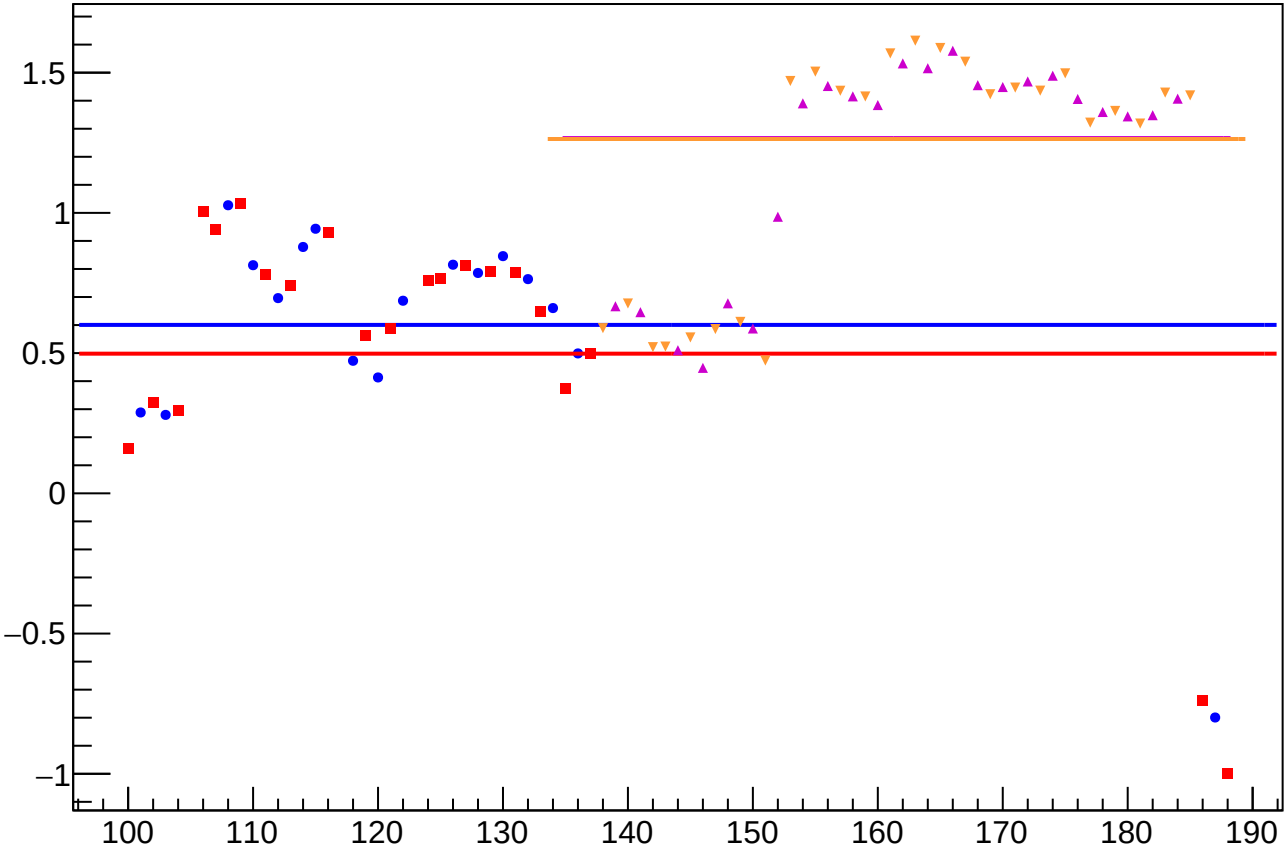
Right: 0.014+/-0.000 χ^2/NDF: 949750.1/37

In: 0.016+/-0.000 χ^2/NDF:1243341.2/39

Out: 0.016+/-0.000 χ^2/NDF:1246129.7/45

All: 0.016+/-0.000 χ^2/NDF: 2495828.4/85

yield_bpm0l02Y_mean vs Slug, Sign Corrected



Right In: 0.601+/-0.000 χ^2/NDF: 7132485615.6/16

Left Out: 1.263+/-0.000 χ^2/NDF:45594559273.0/24

Right Out: 0.498+/-0.000 χ^2/NDF: 25798050273.4/20

Left In: 1.267+/-0.000 χ^2/NDF:37614918579.9/22

Left: 1.265+/-0.000 χ^2/NDF: 83211392403.2/47

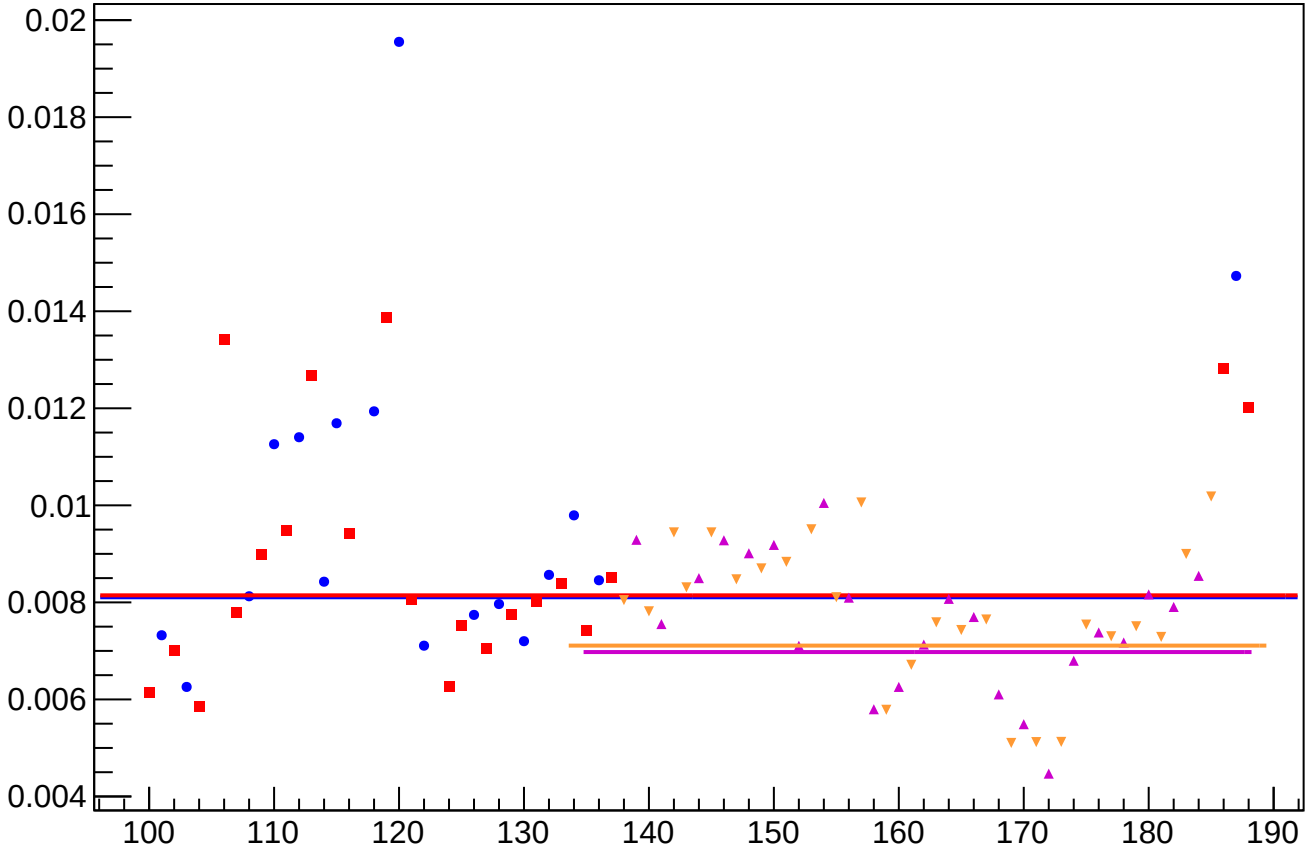
Right: 0.545+/-0.000 χ^2/NDF: 33476303464.9/37

In: 1.119+/-0.000 χ^2/NDF:77639208623.0/39

Out: 1.070+/-0.000 χ^2/NDF:121260544142.6/45

All: 1.094+/-0.000 χ^2/NDF: 199429528693.1

yield_bpm0l02Y_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 665163.0/16

Left Out: 0.007+/-0.000 χ^2/NDF:1519295.8/24

Right Out: 0.008+/-0.000 χ^2/NDF: 904161.3/20

Left In: 0.007+/-0.000 χ^2/NDF:1457031.8/22

Left: 0.007+/-0.000 χ^2/NDF: 2982253.4/47

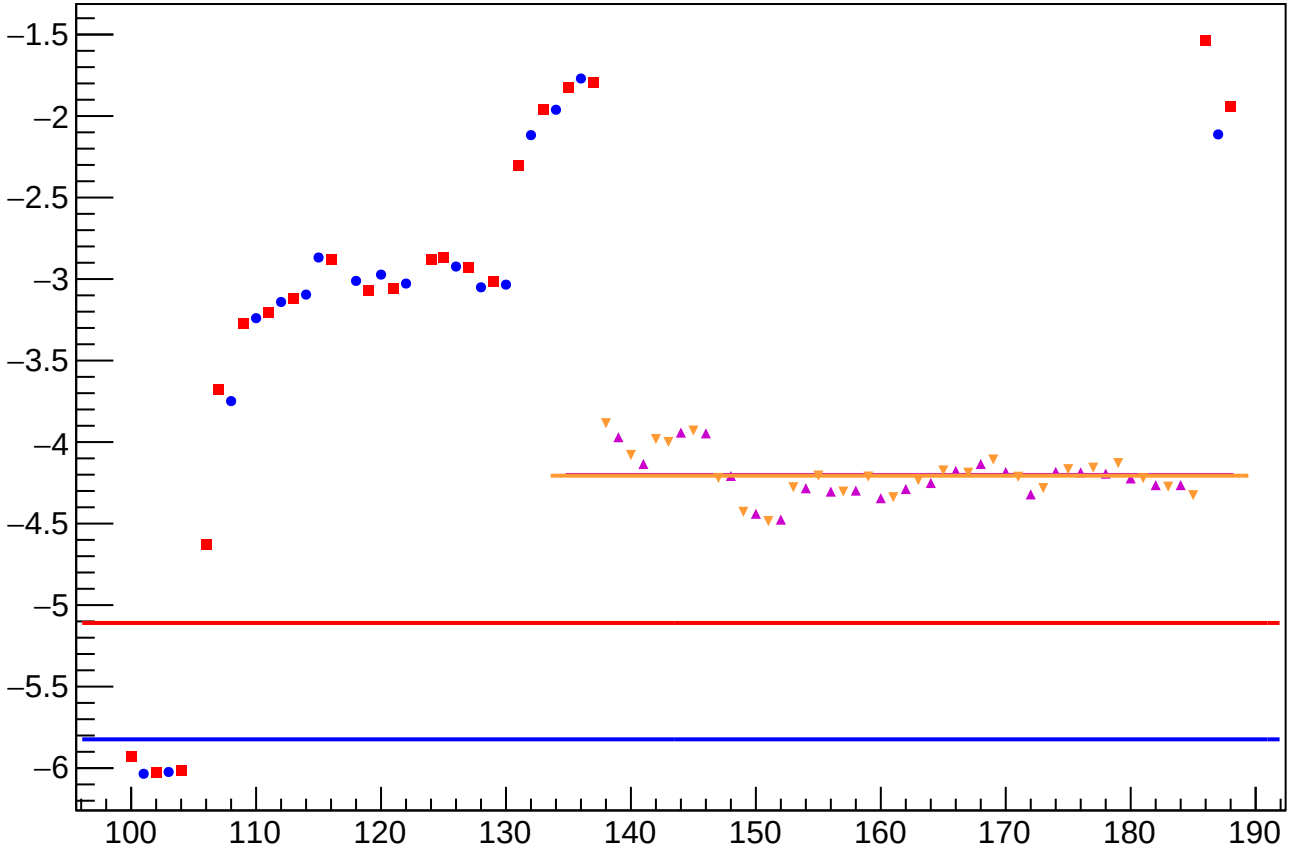
Right: 0.008+/-0.000 χ^2/NDF: 1569487.7/37

In: 0.007+/-0.000 χ^2/NDF:2311205.6/39

Out: 0.007+/-0.000 χ^2/NDF:2606180.9/45

All: 0.007+/-0.000 χ^2/NDF: 4926543.8/85

yield_bpm0l03X_mean vs Slug, Sign Corrected



Right In: -5.823+/-0.000 χ^2/NDF: 38977430103.9/16

Left Out: -4.206+/-0.000 χ^2/NDF:61558336.8/24

Right Out: -5.110+/-0.000 χ^2/NDF: 155011391150.6/20

Left In: -4.202+/-0.000 χ^2/NDF:42747893.4/22

Left: -4.203+/-0.000 χ^2/NDF: 104337107.5/47

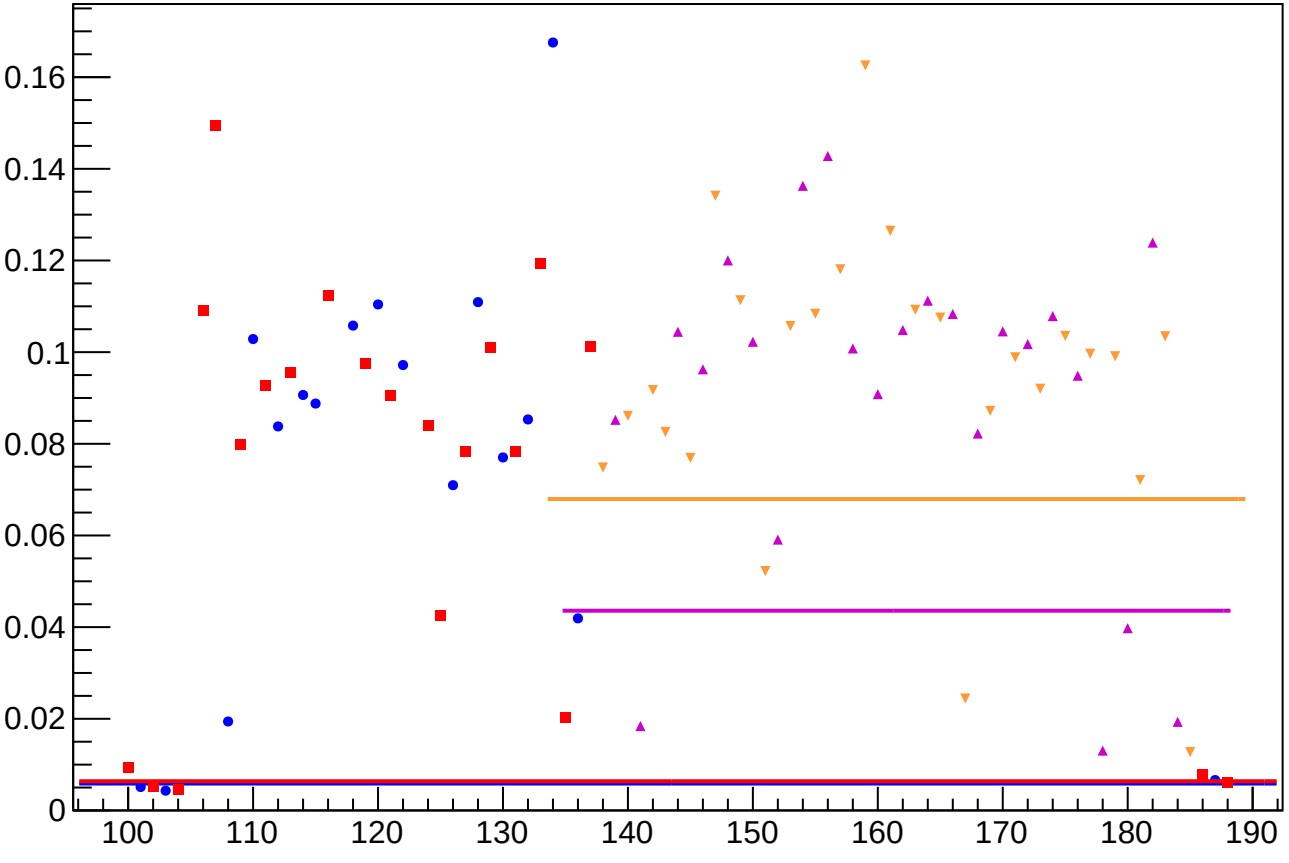
Right: -5.468+/-0.000 χ^2/NDF: 207543620862.1/37

In: -5.708+/-0.000 χ^2/NDF:49015560672.0/39

Out: -5.066+/-0.000 χ^2/NDF:157141259218.8/45

All: -5.393+/-0.000 χ^2/NDF: 217801830032.1

yield_bpm0l03X_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 8702709.2/16

Left Out: 0.068+/-0.000 χ^2/NDF:7631751.0/24

Right Out: 0.006+/-0.000 χ^2/NDF: 8761248.8/20

Left In: 0.044+/-0.000 χ^2/NDF:12761920.2/22

Left: 0.053+/-0.000 χ^2/NDF: 22308835.8/47

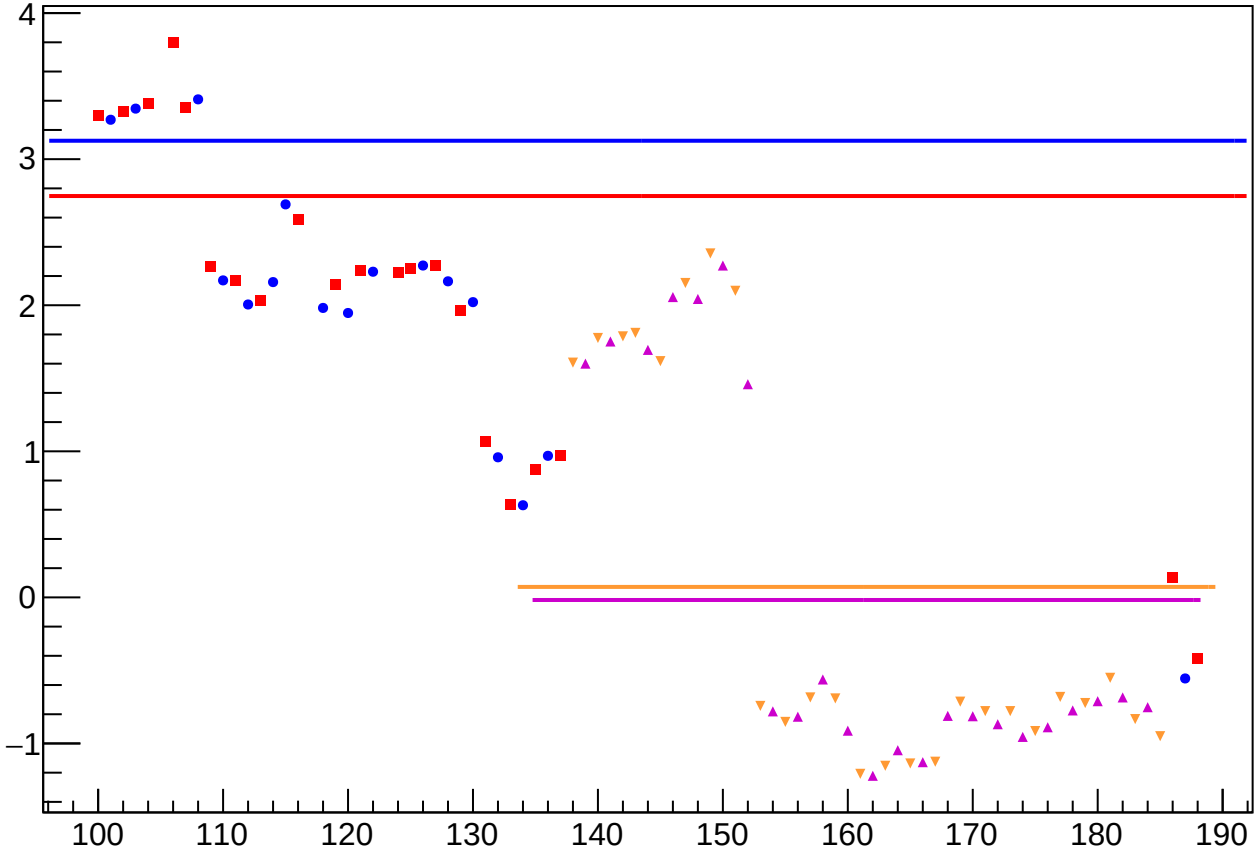
Right: 0.006+/-0.000 χ^2/NDF: 17477515.1/37

In: 0.009+/-0.000 χ^2/NDF:32273262.6/39

Out: 0.009+/-0.000 χ^2/NDF:35605847.6/45

All: 0.009+/-0.000 χ^2/NDF: 67912383.1/85

yield_bpm0l03Y_mean vs Slug, Sign Corrected



Right In: 3.126+/-0.000 χ^2/NDF: 18906074222.6/16

Left Out: 0.072+/-0.000 χ^2/NDF:3635027099.6/24

Right Out: 2.748+/-0.000 χ^2/NDF: 61294530595.3/20

Left In: -0.018+/-0.000 χ^2/NDF:3455714643.1/22

Left: 0.024+/-0.000 χ^2/NDF: 7099580100.2/47

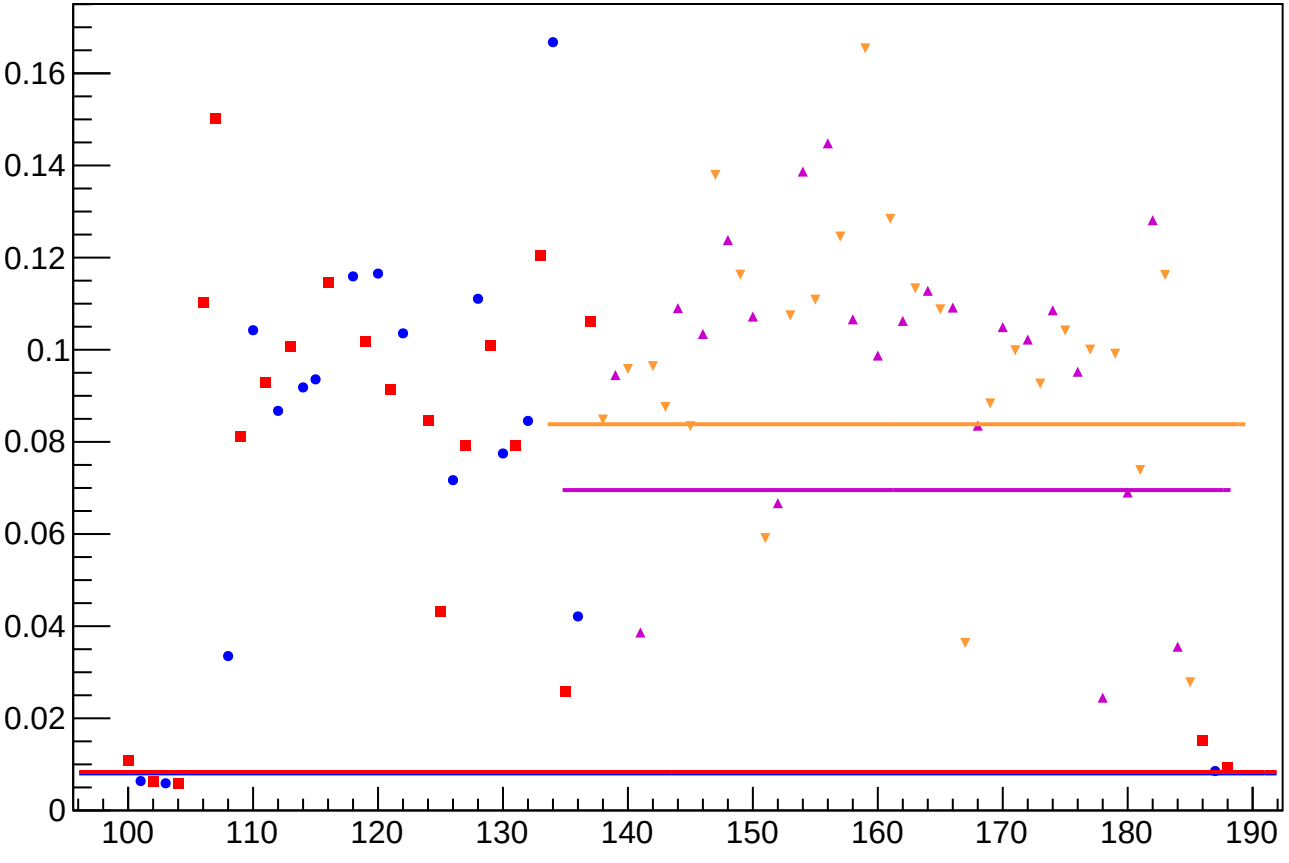
Right: 2.930+/-0.000 χ^2/NDF: 82582283253.0/37

In: 2.910+/-0.000 χ^2/NDF:44247920473.5/39

Out: 2.597+/-0.000 χ^2/NDF:78831697106.1/45

All: 2.749+/-0.000 χ^2/NDF: 124815638124.1

yield_bpm0l03Y_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 8416299.0/16

Left Out: 0.084+/-0.000 χ^2/NDF:3830160.2/24

Right Out: 0.008+/-0.000 χ^2/NDF: 8635083.8/20

Left In: 0.070+/-0.000 χ^2/NDF:6697383.9/22

Left: 0.076+/-0.000 χ^2/NDF: 10977959.7/47

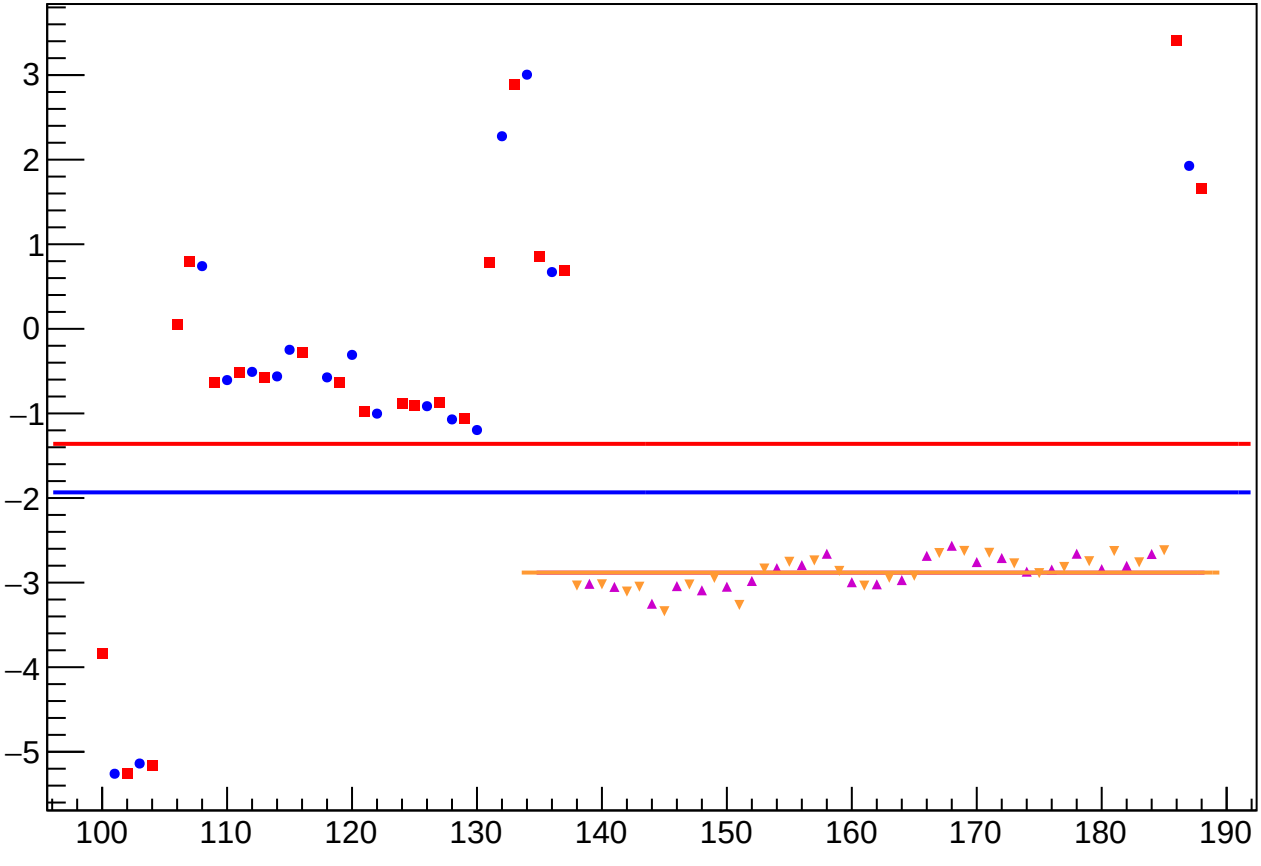
Right: 0.008+/-0.000 χ^2/NDF: 17054510.2/37

In: 0.012+/-0.000 χ^2/NDF:31862457.4/39

Out: 0.013+/-0.000 χ^2/NDF:34587733.0/45

All: 0.012+/-0.000 χ^2/NDF: 66453977.4/85

yield_bpm0l04X_mean vs Slug, Sign Corrected



Right In: -1.933+/-0.000 χ^2/NDF: 165455455127.3/16

Left Out: -2.881+/-0.000 χ^2/NDF:10553050715.1/24

Right Out: -1.360+/-0.000 χ^2/NDF: 201930293415.3/20

Left In: -2.882+/-0.000 χ^2/NDF:8300047325.0/22

Left: -2.882+/-0.000 χ^2/NDF: 18853297310.6/47

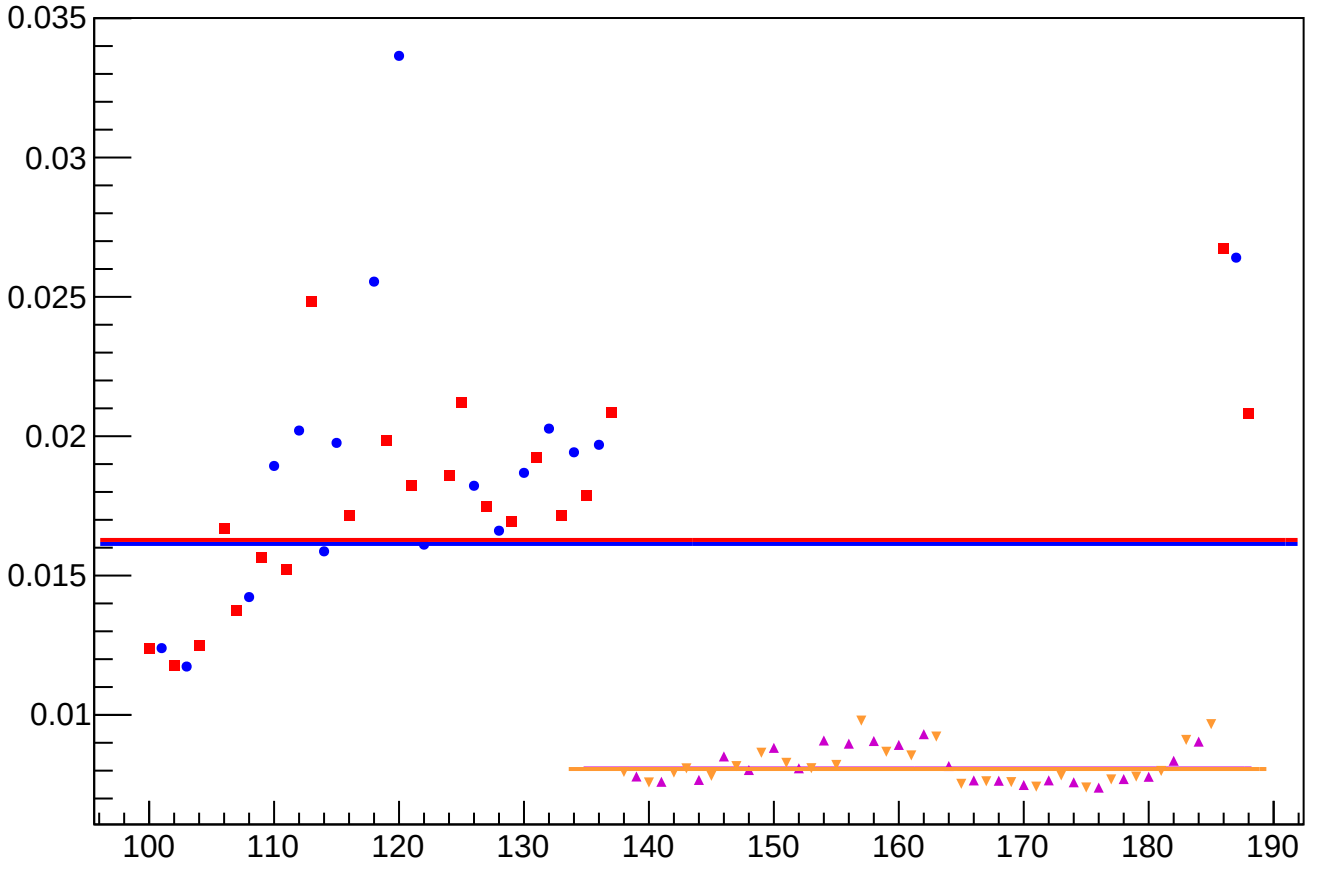
Right: -1.615+/-0.000 χ^2/NDF: 371559433448.1/37

In: -2.808+/-0.000 χ^2/NDF:192748155364.5/39

Out: -2.743+/-0.000 χ^2/NDF:272391144252.7/45

All: -2.774+/-0.000 χ^2/NDF: 465776864385.1

yield_bpm0l04X_rms vs Slug, Sign Corrected



Right In: 0.016+/-0.000 χ^2/NDF: 785031.9/16

Left Out: 0.008+/-0.000 χ^2/NDF:185446.1/24

Right Out: 0.016+/-0.000 χ^2/NDF: 718220.7/20

Left In: 0.008+/-0.000 χ^2/NDF:181843.4/22

Left: 0.008+/-0.000 χ^2/NDF: 367394.9/47

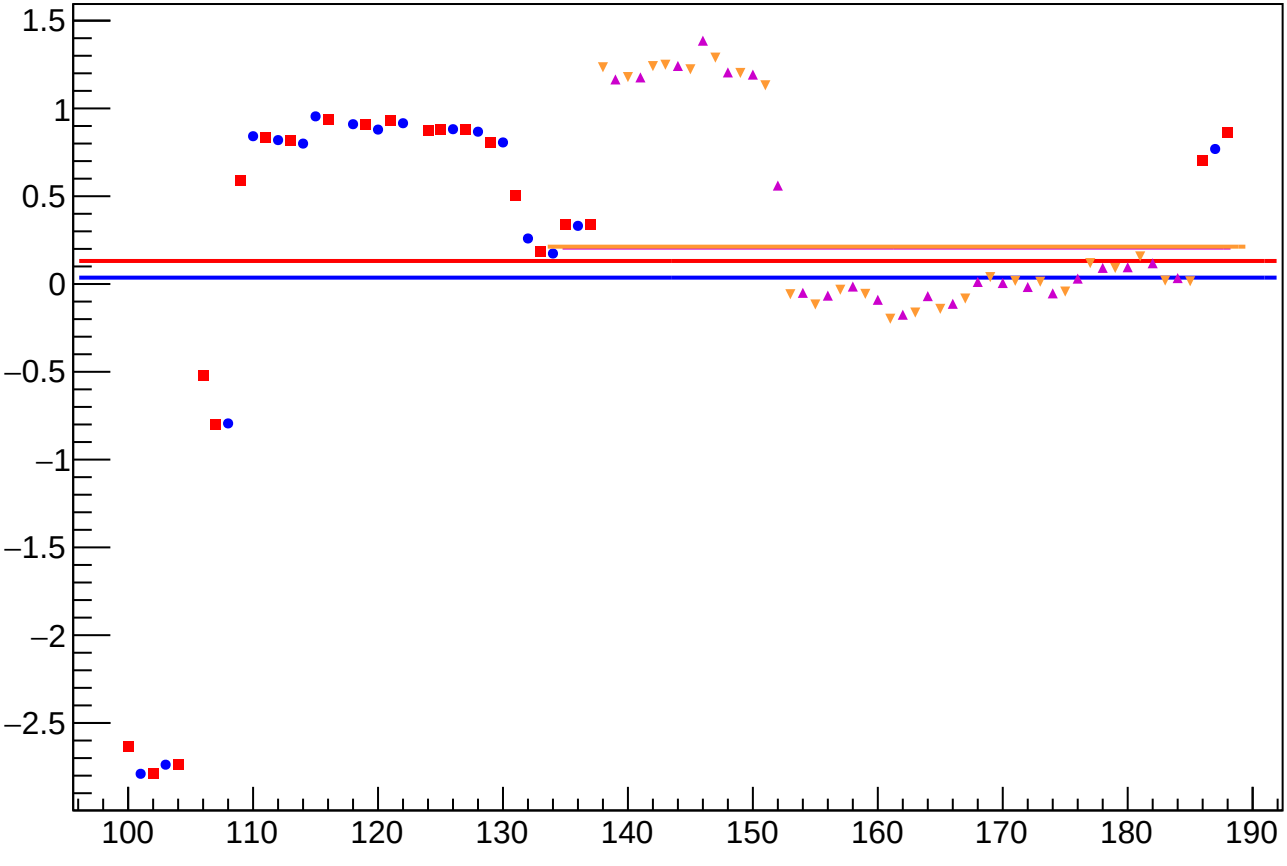
Right: 0.016+/-0.000 χ^2/NDF: 1503772.9/37

In: 0.009+/-0.000 χ^2/NDF:3703757.6/39

Out: 0.009+/-0.000 χ^2/NDF:4400328.1/45

All: 0.009+/-0.000 χ^2/NDF: 8106788.3/85

yield_bpm0l04Y_mean vs Slug, Sign Corrected



Right In: 0.036+/-0.000 χ^2/NDF: 854021784024.2/16

Left Out: 0.213+/-0.000 χ^2/NDF:102819241186.2/24

Right Out: 0.131+/-0.000 χ^2/NDF: 963507805770.7/20

Left In: 0.207+/-0.000 χ^2/NDF:87109076861.7/22

Left: 0.210+/-0.000 χ^2/NDF: 189934243300.6/47

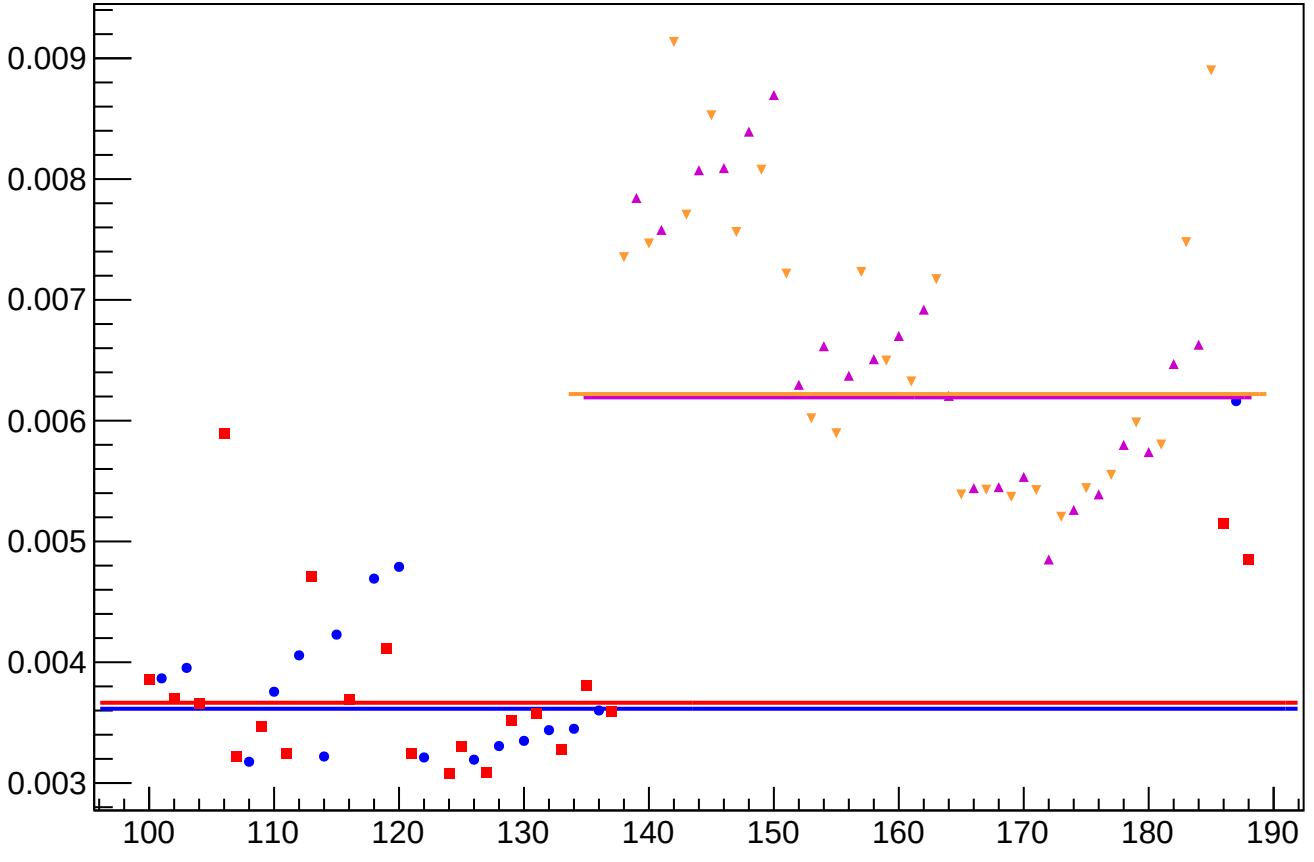
Right: 0.087+/-0.000 χ^2/NDF: 1820076357843.2/37

In: 0.112+/-0.000 χ^2/NDF:947899621821.2/39

Out: 0.165+/-0.000 χ^2/NDF:1068006652066.5/45

All: 0.140+/-0.000 χ^2/NDF: 2017302867404.

yield_bpm0l04Y_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 237085.0/16

Left Out: 0.006+/-0.000 χ^2/NDF:813678.9/24

Right Out: 0.004+/-0.000 χ^2/NDF: 414923.1/20

Left In: 0.006+/-0.000 χ^2/NDF:816234.4/22

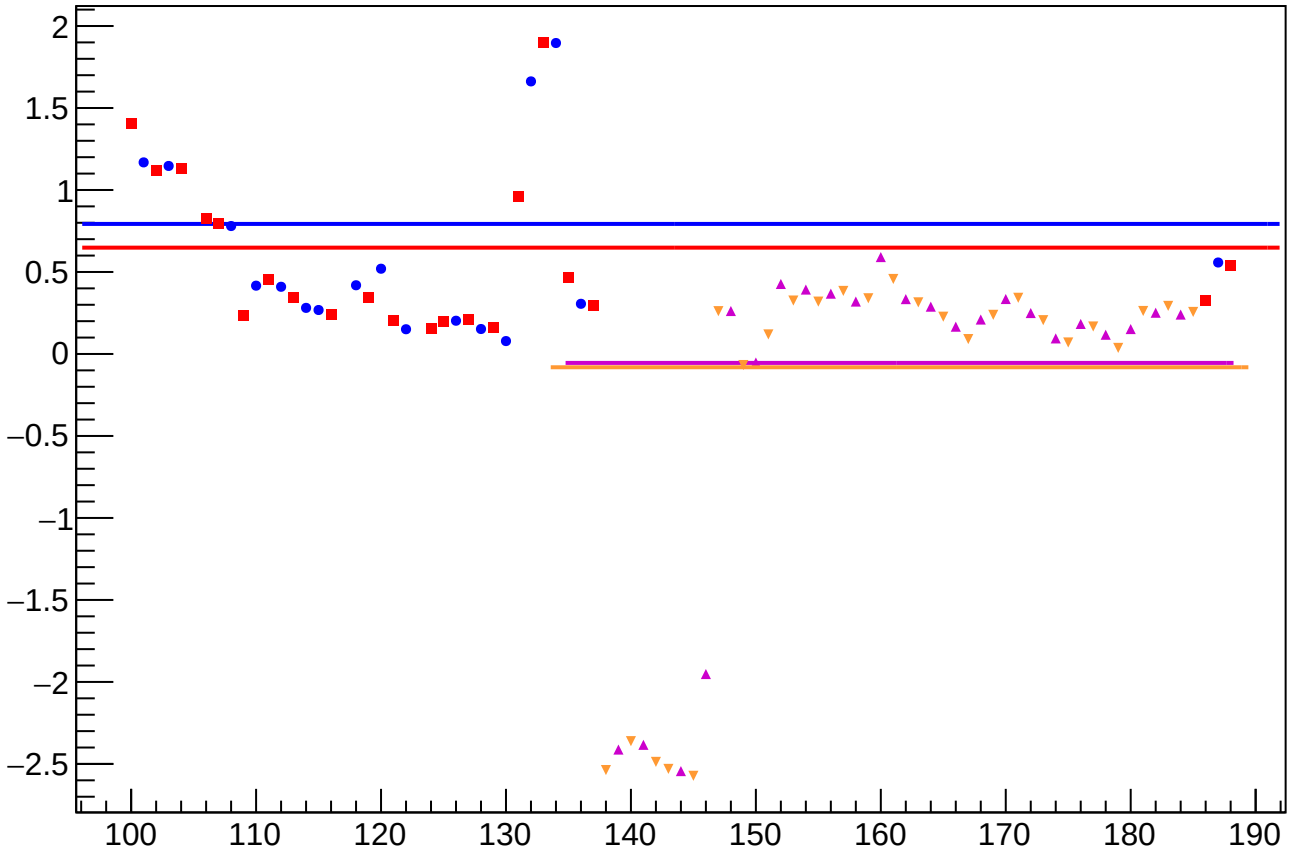
Left: 0.006+/-0.000 χ^2/NDF: 1630235.5/47

Right: 0.004+/-0.000 χ^2/NDF: 653414.3/37

In: 0.005+/-0.000 χ^2/NDF:4126758.4/39

Out: 0.005+/-0.000 χ^2/NDF:4531807.1/45

All: 0.005+/-0.000 χ^2/NDF: 8659524.1/85



Right In: 0.793+/-0.000 χ^2/NDF: 36199245893.8/16

Left Out: -0.081+/-0.000 χ^2/NDF:388332231902.9/24

Right Out: 0.648+/-0.000 χ^2/NDF: 41442109574.7/20

Left In: -0.055+/-0.000 χ^2/NDF:347072248163.0/22

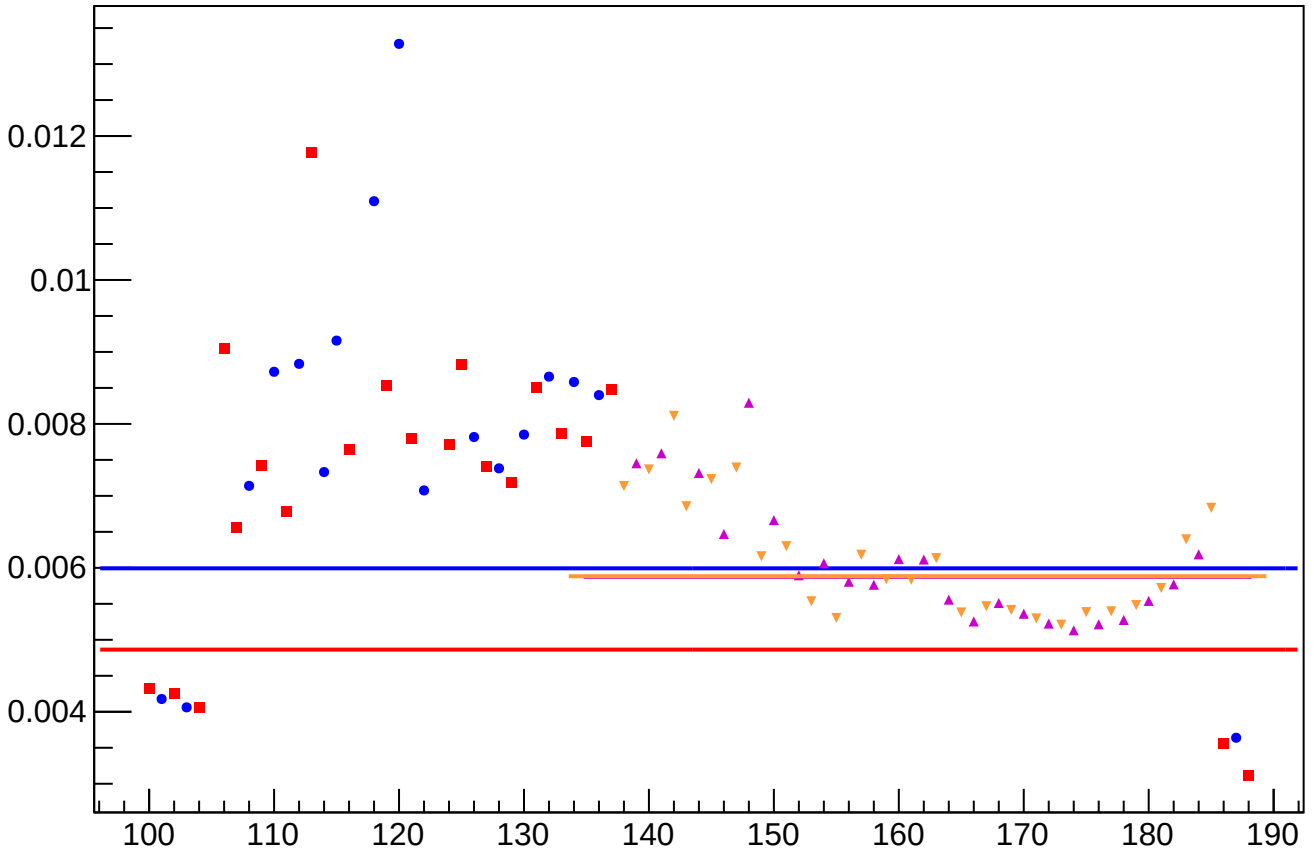
Left: -0.068+/-0.000 χ^2/NDF: 735579885262.1/47

Right: 0.700+/-0.000 χ^2/NDF: 79758605627.2/37

In: 0.153+/-0.000 χ^2/NDF:468612536751.6/39

Out: 0.181+/-0.000 χ^2/NDF:526486635989.4/45

All: 0.168+/-0.000 χ^2/NDF: 995364042935.9



Right In: 0.006+/-0.000 χ^2/NDF: 1581544.6/16

Left Out: 0.006+/-0.000 χ^2/NDF:457789.1/24

Right Out: 0.005+/-0.000 χ^2/NDF: 2430527.7/20

Left In: 0.006+/-0.000 χ^2/NDF:521878.3/22

Left: 0.006+/-0.000 χ^2/NDF: 979706.0/47

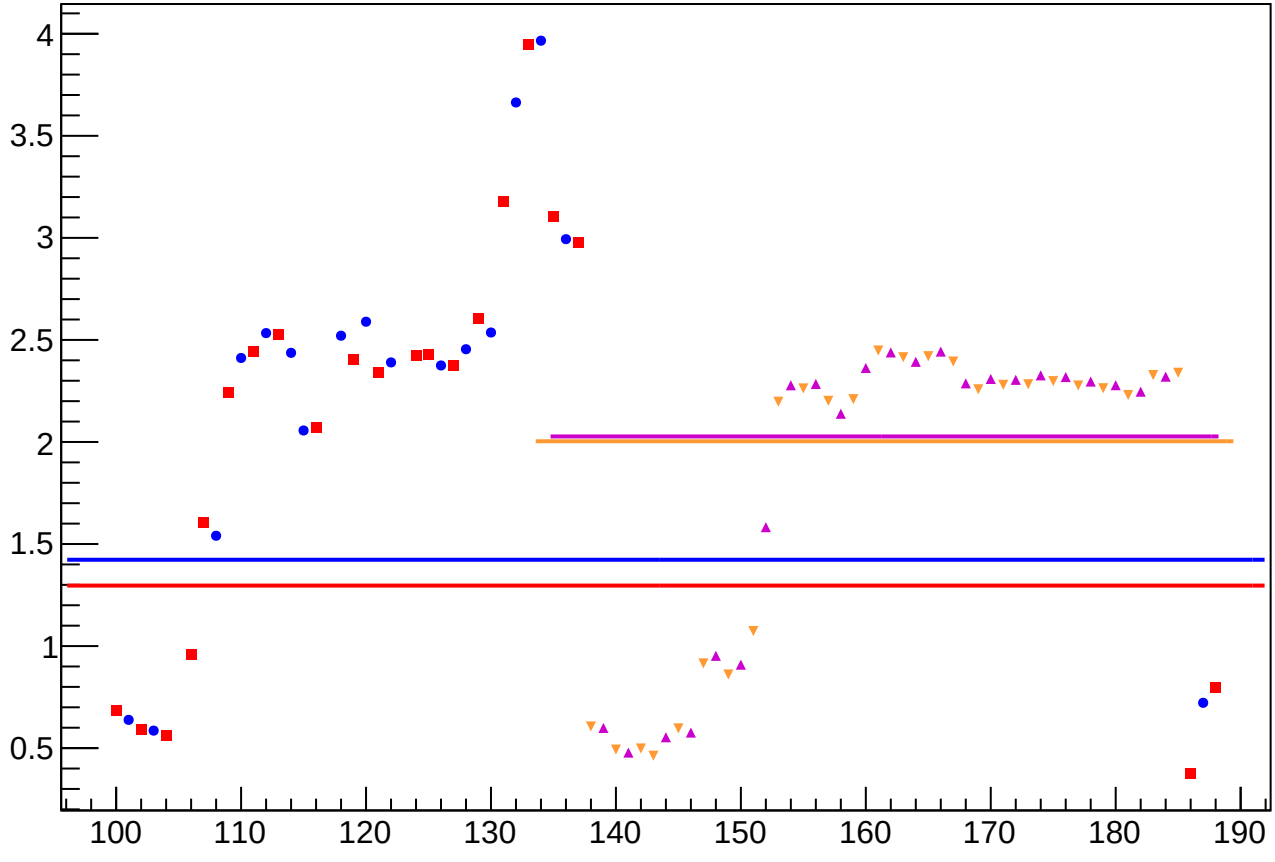
Right: 0.005+/-0.000 χ^2/NDF: 4270122.9/37

In: 0.006+/-0.000 χ^2/NDF:2106767.0/39

Out: 0.006+/-0.000 χ^2/NDF:3266061.7/45

All: 0.006+/-0.000 χ^2/NDF: 5478328.6/85

yield_bpm0l05Y_mean vs Slug, Sign Corrected



Right In: 1.423+/-0.000 χ^2/NDF: 172686745235.7/16

Left Out: 2.004+/-0.000 χ^2/NDF:219172813454.7/24

Right Out: 1.296+/-0.000 χ^2/NDF: 213863686325.2/20

Left In: 2.027+/-0.000 χ^2/NDF:194461333084.6/22

Left: 2.015+/-0.000 χ^2/NDF: 413784920453.7/47

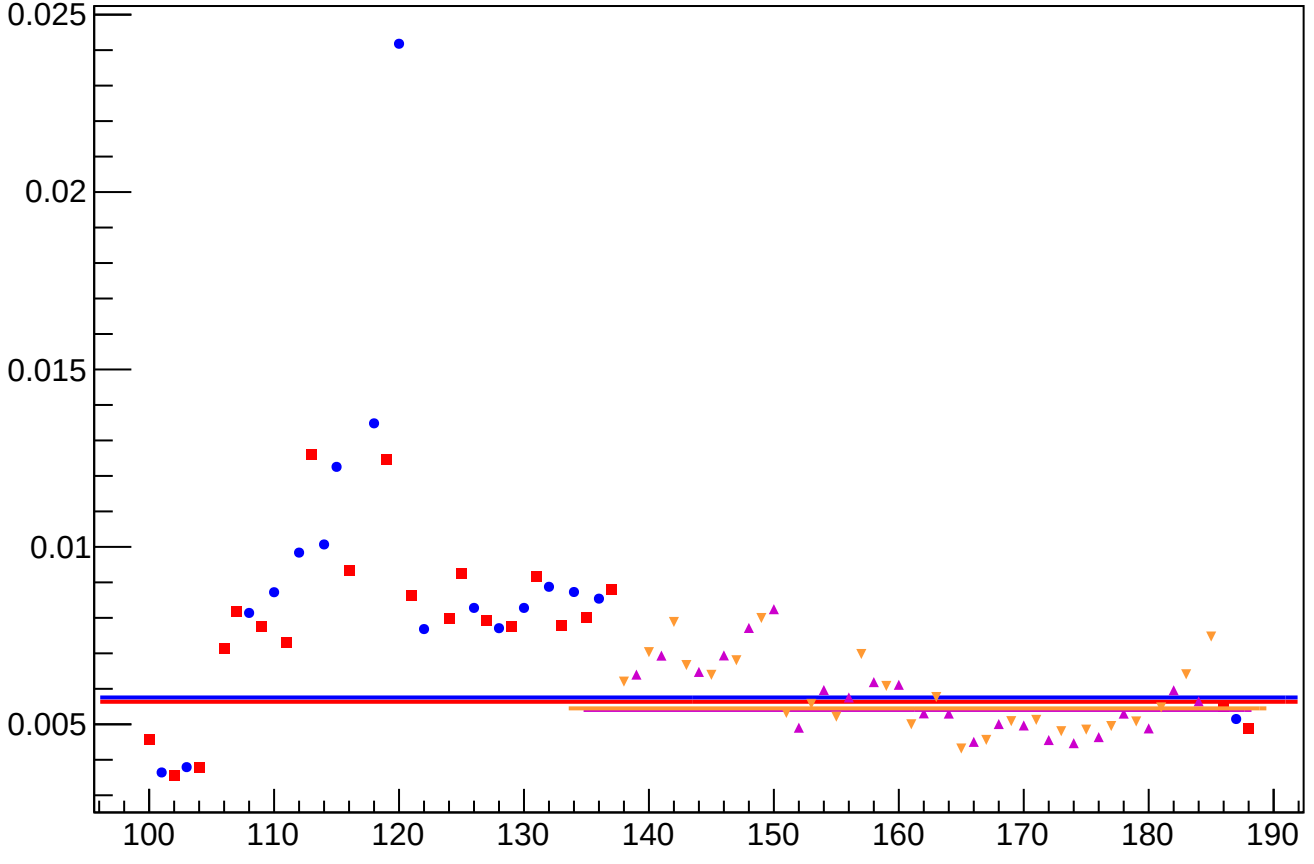
Right: 1.350+/-0.000 χ^2/NDF: 387991807836.0/37

In: 1.890+/-0.000 χ^2/NDF:411122068764.0/39

Out: 1.806+/-0.000 χ^2/NDF:509906034610.0/45

All: 1.846+/-0.000 χ^2/NDF: 923566563749.9

yield_bpm0l05Y_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 2218463.0/16

Left Out: 0.005+/-0.000 χ^2/NDF:771417.6/24

Right Out: 0.006+/-0.000 χ^2/NDF: 2010278.8/20

Left In: 0.005+/-0.000 χ^2/NDF:815136.5/22

Left: 0.005+/-0.000 χ^2/NDF: 1587605.4/47

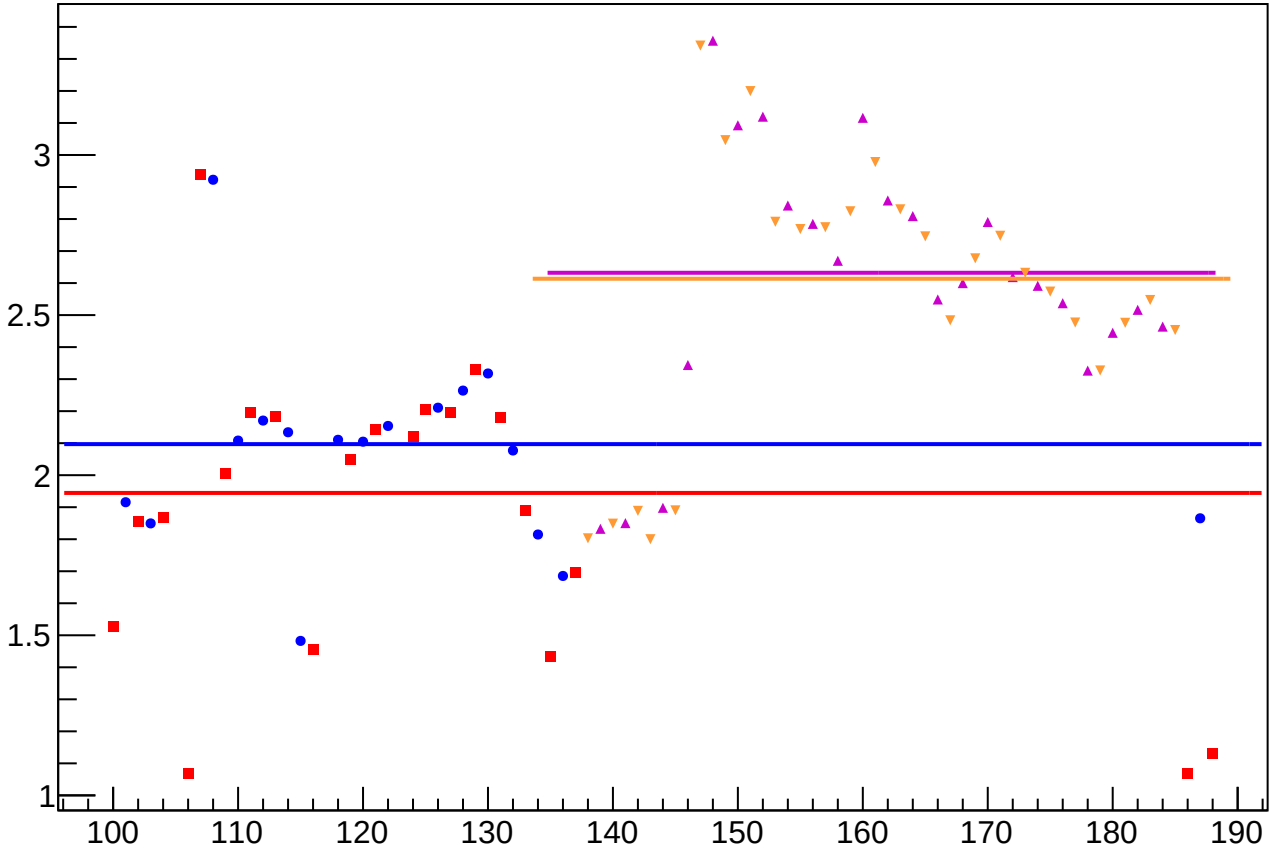
Right: 0.006+/-0.000 χ^2/NDF: 4231387.2/37

In: 0.005+/-0.000 χ^2/NDF:3063333.0/39

Out: 0.006+/-0.000 χ^2/NDF:2792332.8/45

All: 0.005+/-0.000 χ^2/NDF: 5855857.7/85

yield_bpm0l06X_mean vs Slug, Sign Corrected



Right In: 2.097+/-0.000 χ^2/NDF: 14008992883.5/16

Left Out: 2.614+/-0.000 χ^2/NDF:46402554271.4/24

Right Out: 1.945+/-0.000 χ^2/NDF: 29544114840.2/20

Left In: 2.632+/-0.000 χ^2/NDF:40551967819.7/22

Left: 2.623+/-0.000 χ^2/NDF: 87009327498.9/47

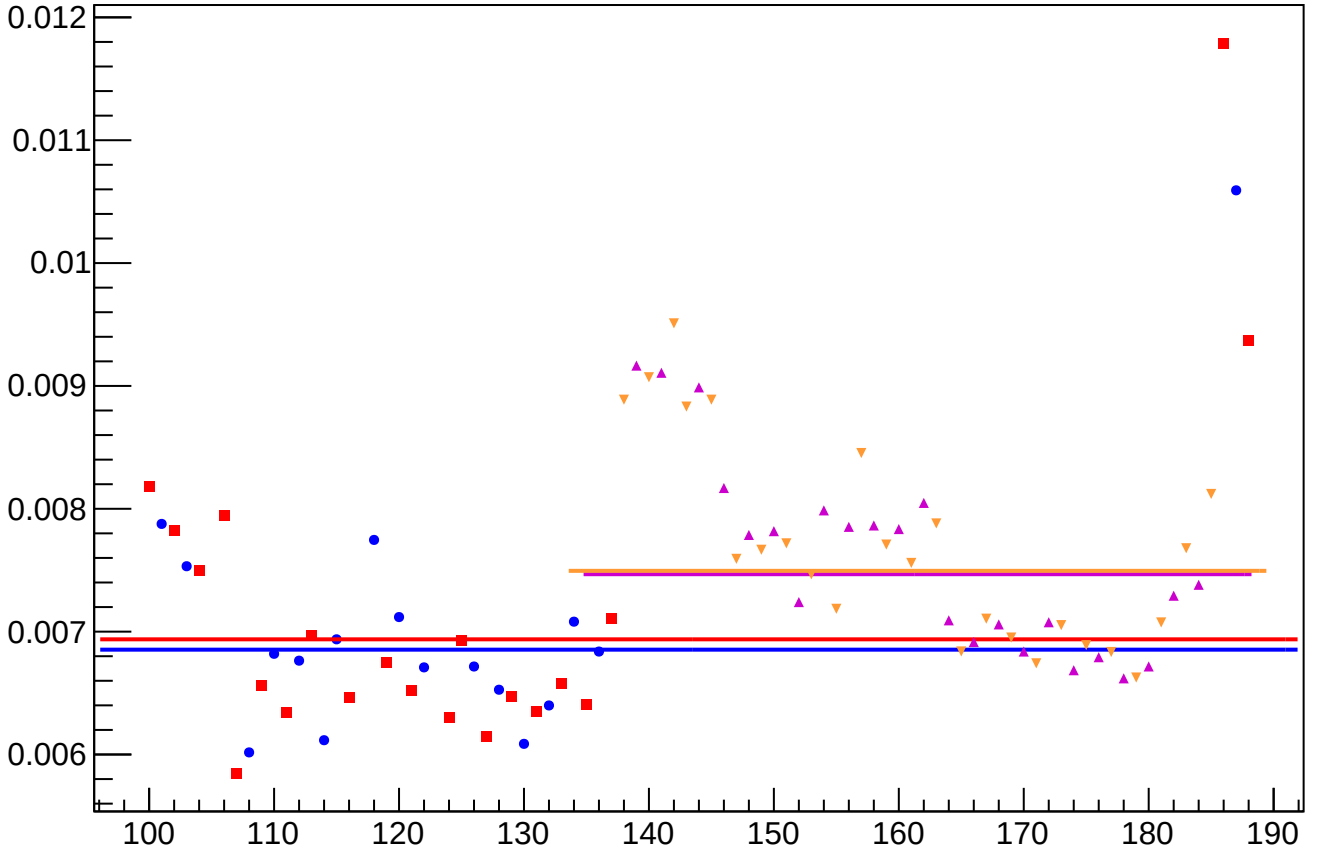
Right: 2.015+/-0.000 χ^2/NDF: 45408103099.5/37

In: 2.459+/-0.000 χ^2/NDF:83325269380.5/39

Out: 2.380+/-0.000 χ^2/NDF:126323963370.1/45

All: 2.418+/-0.000 χ^2/NDF: 211122775753.7

yield_bpm0l06X_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 128694.1/16

Left Out: 0.007+/-0.000 χ^2/NDF:332673.2/24

Right Out: 0.007+/-0.000 χ^2/NDF: 358426.0/20

Left In: 0.007+/-0.000 χ^2/NDF:321914.4/22

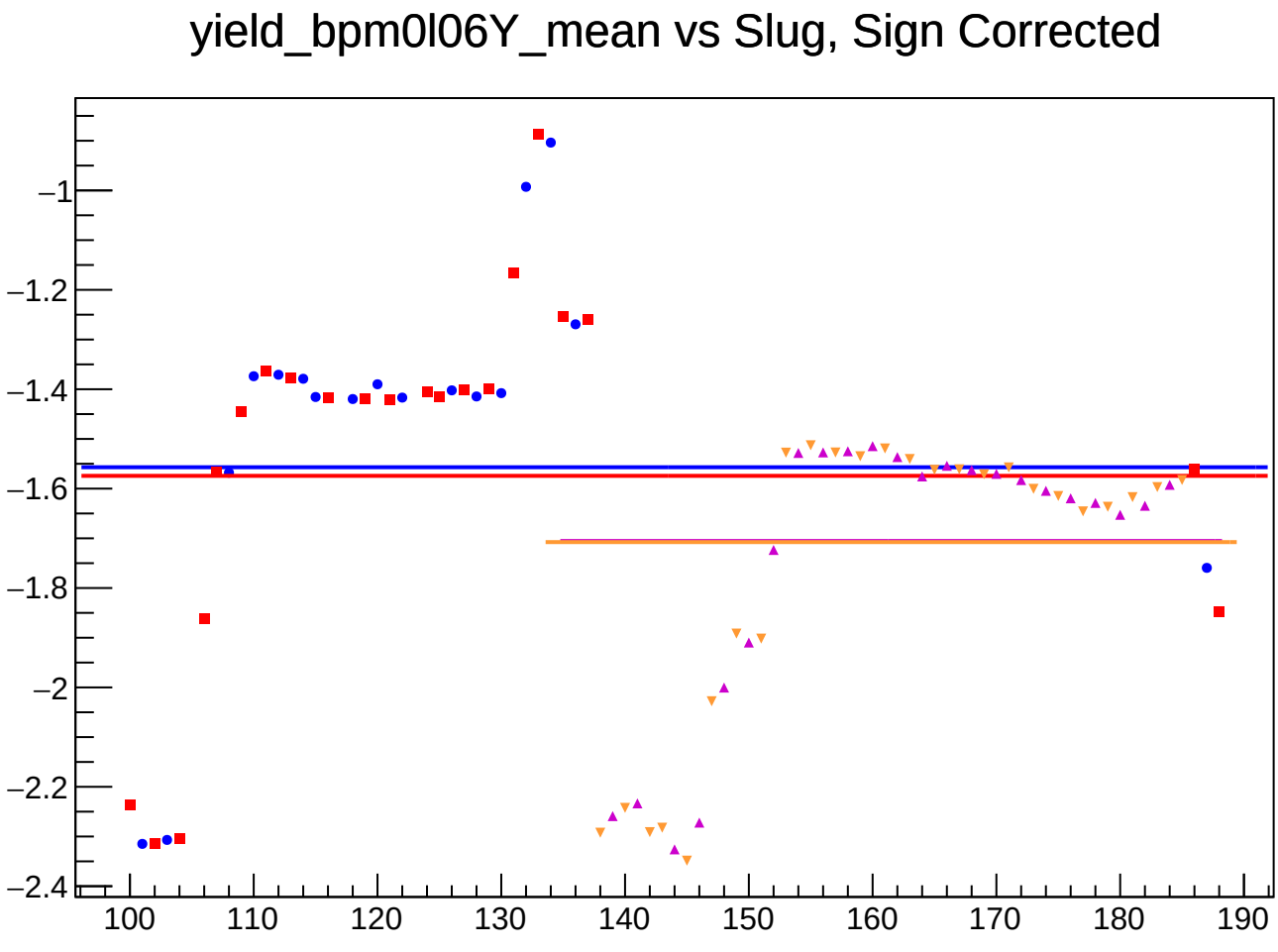
Left: 0.007+/-0.000 χ^2/NDF: 654825.5/47

Right: 0.007+/-0.000 χ^2/NDF: 488251.6/37

In: 0.007+/-0.000 χ^2/NDF:526380.7/39

Out: 0.007+/-0.000 χ^2/NDF:761065.2/45

All: 0.007+/-0.000 χ^2/NDF: 1287929.1/85



Right In: -1.557+/-0.000 χ^2/NDF: 175814184039.9/16

Left Out: -1.708+/-0.000 χ^2/NDF:151845502556.2/24

Right Out: -1.574+/-0.000 χ^2/NDF: 182668039700.9/20

Left In: -1.705+/-0.000 χ^2/NDF:136540618081.0/22

Left: -1.707+/-0.000 χ^2/NDF: 288391574261.0/47

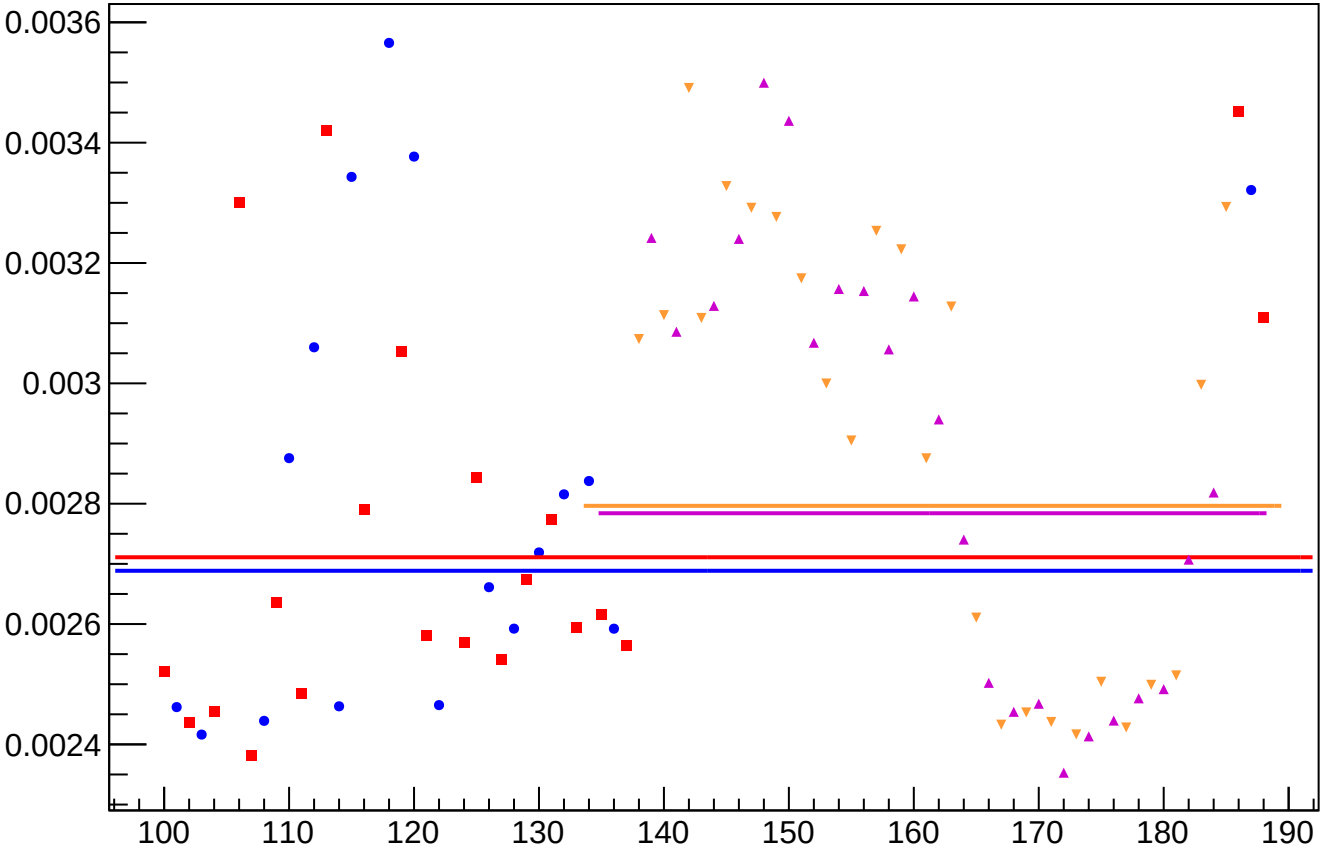
Right: -1.566+/-0.000 χ^2/NDF: 358637699248.4/37

In: -1.661+/-0.000 χ^2/NDF:326989976253.4/39

Out: -1.663+/-0.000 χ^2/NDF:347967707089.4/45

All: -1.662+/-0.000 χ^2/NDF: 674971617177.

yield_bpm0l06Y_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 170333.6/16

Left Out: 0.003+/-0.000 χ^2/NDF:547758.3/24

Right Out: 0.003+/-0.000 χ^2/NDF: 191418.1/20

Left In: 0.003+/-0.000 χ^2/NDF:557113.5/22

Left: 0.003+/-0.000 χ^2/NDF: 1105212.9/47

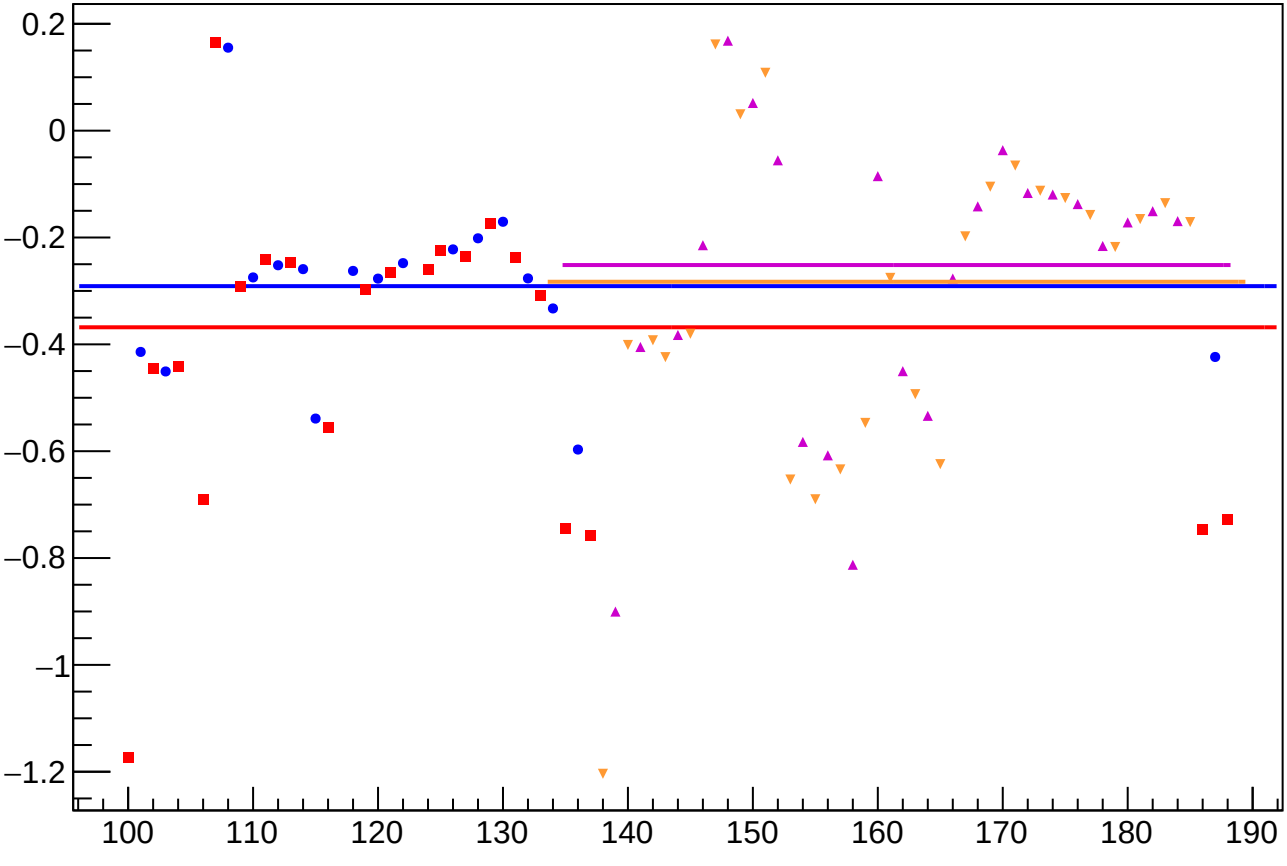
Right: 0.003+/-0.000 χ^2/NDF: 362273.8/37

In: 0.003+/-0.000 χ^2/NDF:739587.7/39

Out: 0.003+/-0.000 χ^2/NDF:750235.6/45

All: 0.003+/-0.000 χ^2/NDF: 1490370.8/85

yield_bpm0l07X_mean vs Slug, Sign Corrected



Right In: -0.291+/-0.000 χ^2/NDF: 1654337017.7/16

Left Out: -0.283+/-0.000 χ^2/NDF:9343511244.8/24

Right Out: -0.368+/-0.000 χ^2/NDF: 3212149364.4/20

Left In: -0.252+/-0.000 χ^2/NDF:7167367678.6/22

Left: -0.267+/-0.000 χ^2/NDF: 16567222880.0/47

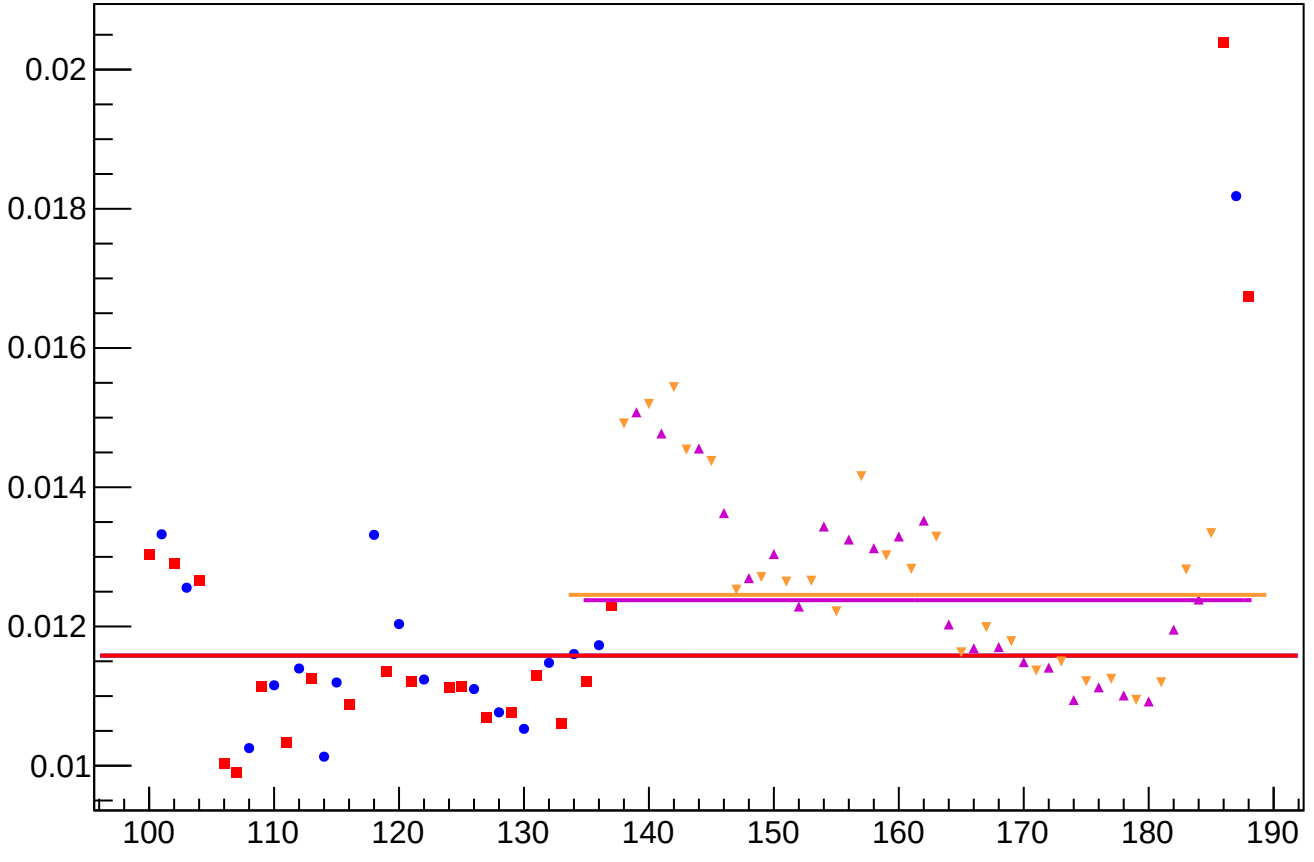
Right: -0.333+/-0.000 χ^2/NDF: 5036075450.3/37

In: -0.264+/-0.000 χ^2/NDF:8877694249.3/39

Out: -0.312+/-0.000 χ^2/NDF:12852475340.3/45

All: -0.289+/-0.000 χ^2/NDF: 21931632690.8/

yield_bpm0l07X_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 129718.6/16

Left Out: 0.012+/-0.000 χ^2/NDF:341430.5/24

Right Out: 0.012+/-0.000 χ^2/NDF: 408872.6/20

Left In: 0.012+/-0.000 χ^2/NDF:326925.9/22

Left: 0.012+/-0.000 χ^2/NDF: 669035.7/47

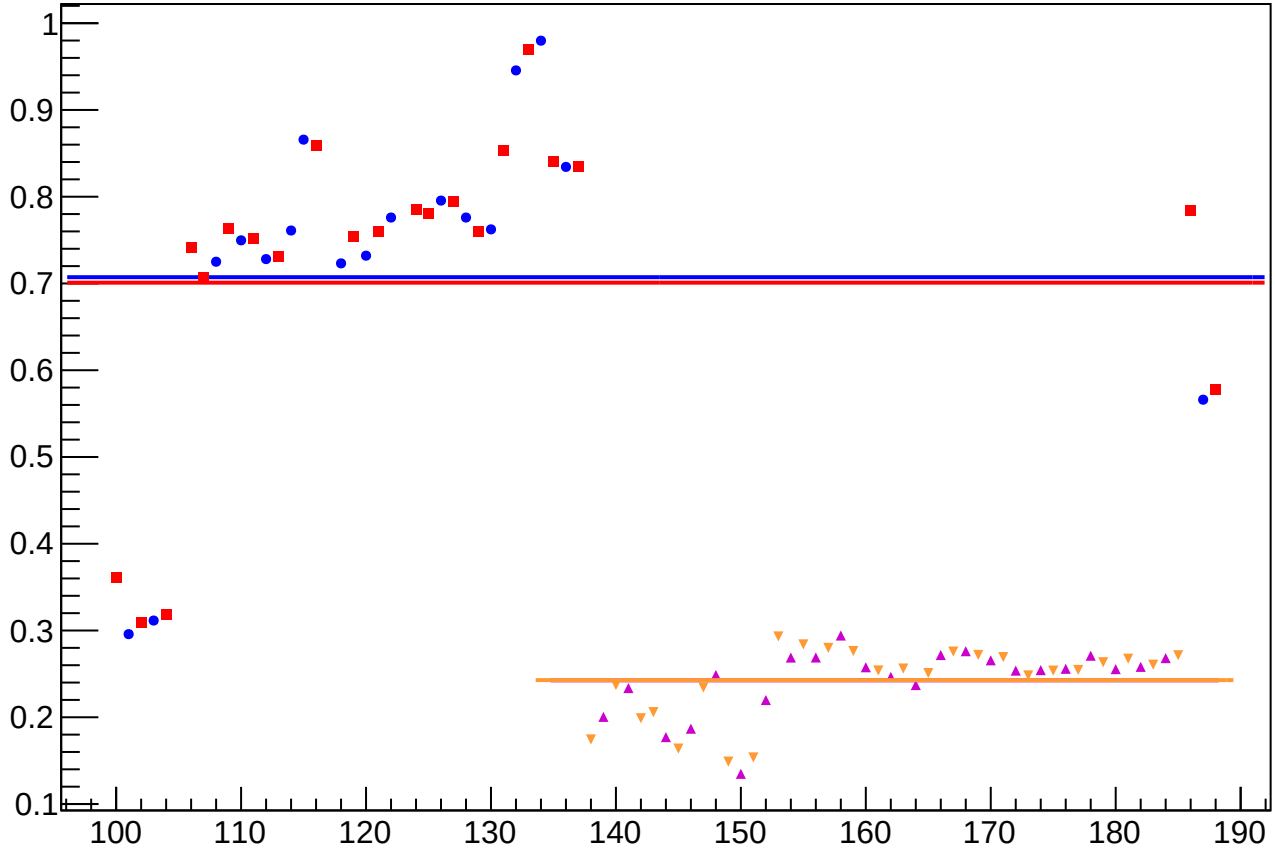
Right: 0.012+/-0.000 χ^2/NDF: 538591.1/37

In: 0.012+/-0.000 χ^2/NDF:502131.0/39

Out: 0.012+/-0.000 χ^2/NDF:812555.3/45

All: 0.012+/-0.000 χ^2/NDF: 1314809.2/85

yield_bpm0l07Y_mean vs Slug, Sign Corrected



Right In: 0.707+/-0.000 χ^2/NDF: 49323800703.0/16

Left Out: 0.243+/-0.000 χ^2/NDF:7290530687.7/24

Right Out: 0.701+/-0.000 χ^2/NDF: 46559523575.8/20

Left In: 0.243+/-0.000 χ^2/NDF:5781231269.1/22

Left: 0.243+/-0.000 χ^2/NDF: 13071863849.3/47

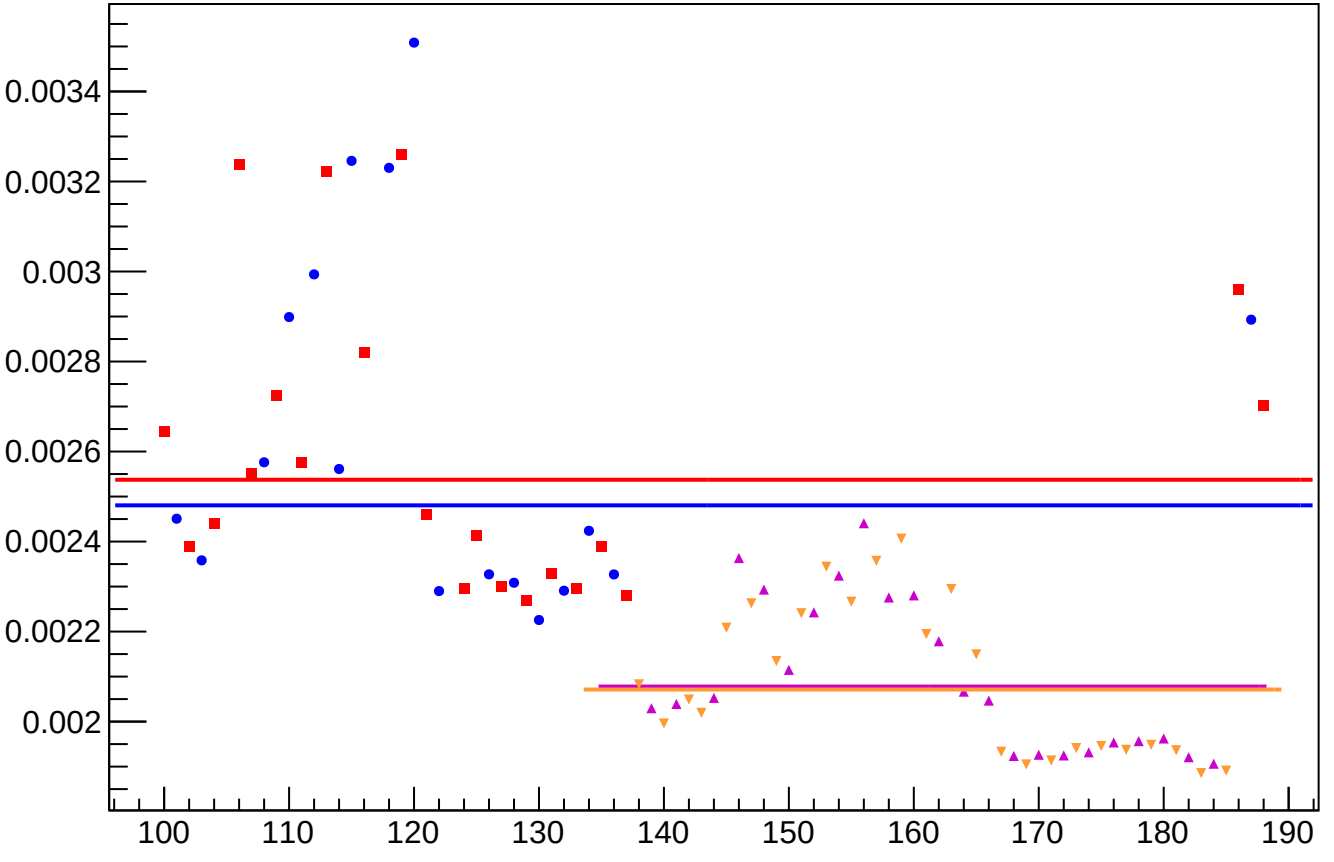
Right: 0.704+/-0.000 χ^2/NDF: 95907291515.9/37

In: 0.342+/-0.000 χ^2/NDF:247841414754.7/39

Out: 0.346+/-0.000 χ^2/NDF:264789446883.1/45

All: 0.344+/-0.000 χ^2/NDF: 512691786326.8

yield_bpm0l07Y_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 214866.5/16

Left Out: 0.002+/-0.000 χ^2/NDF:233799.0/24

Right Out: 0.003+/-0.000 χ^2/NDF: 203601.6/20

Left In: 0.002+/-0.000 χ^2/NDF:211544.0/22

Left: 0.002+/-0.000 χ^2/NDF: 445534.4/47

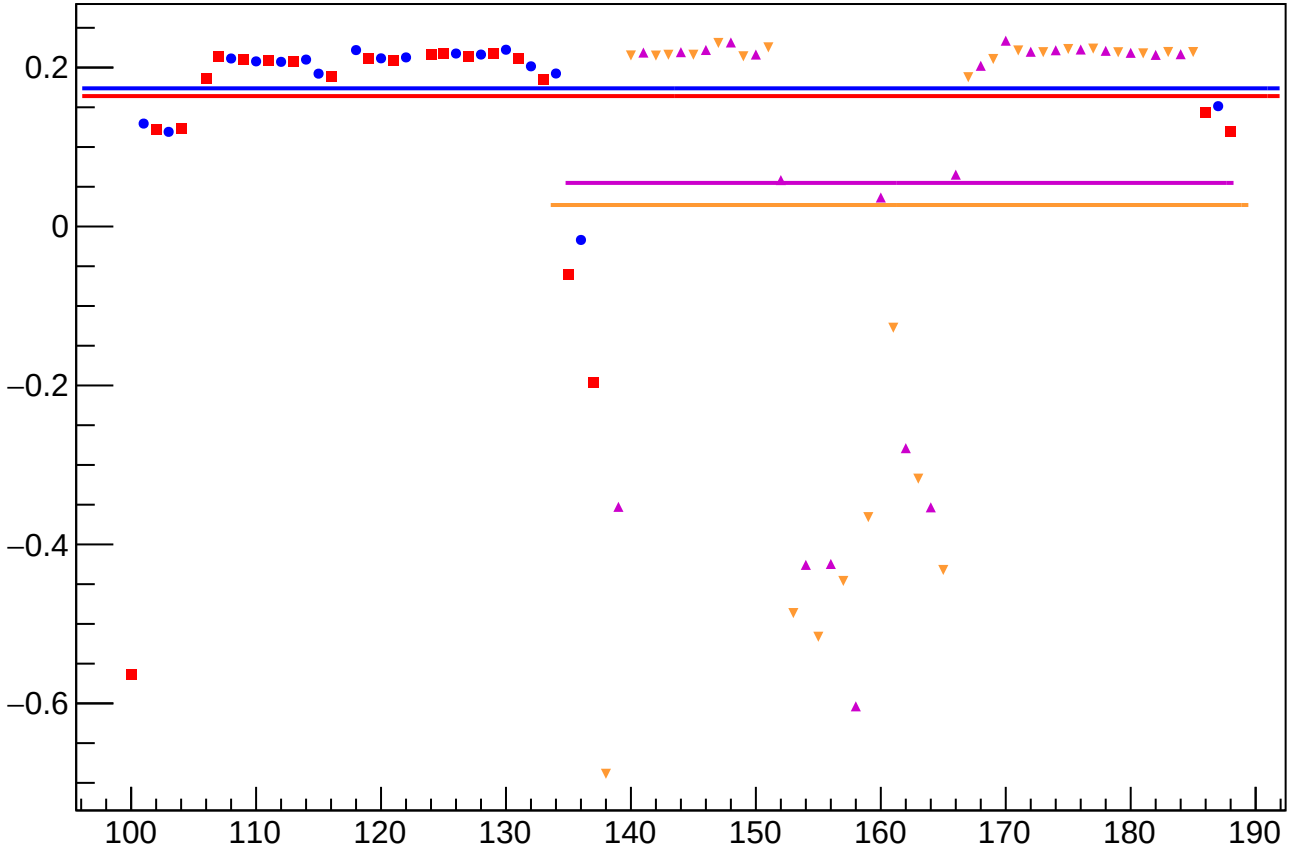
Right: 0.003+/-0.000 χ^2/NDF: 422389.2/37

In: 0.002+/-0.000 χ^2/NDF:715744.3/39

Out: 0.002+/-0.000 χ^2/NDF:874111.0/45

All: 0.002+/-0.000 χ^2/NDF: 1590768.4/85

yield_bpm0l08X_mean vs Slug, Sign Corrected



Right In: 0.174+/-0.000 χ^2/NDF: 402264798.2/16

Left Out: 0.027+/-0.000 χ^2/NDF:12975171876.0/24

Right Out: 0.164+/-0.000 χ^2/NDF: 903521294.5/20

Left In: 0.055+/-0.000 χ^2/NDF:9704180322.0/22

Left: 0.041+/-0.000 χ^2/NDF: 22733670617.6/47

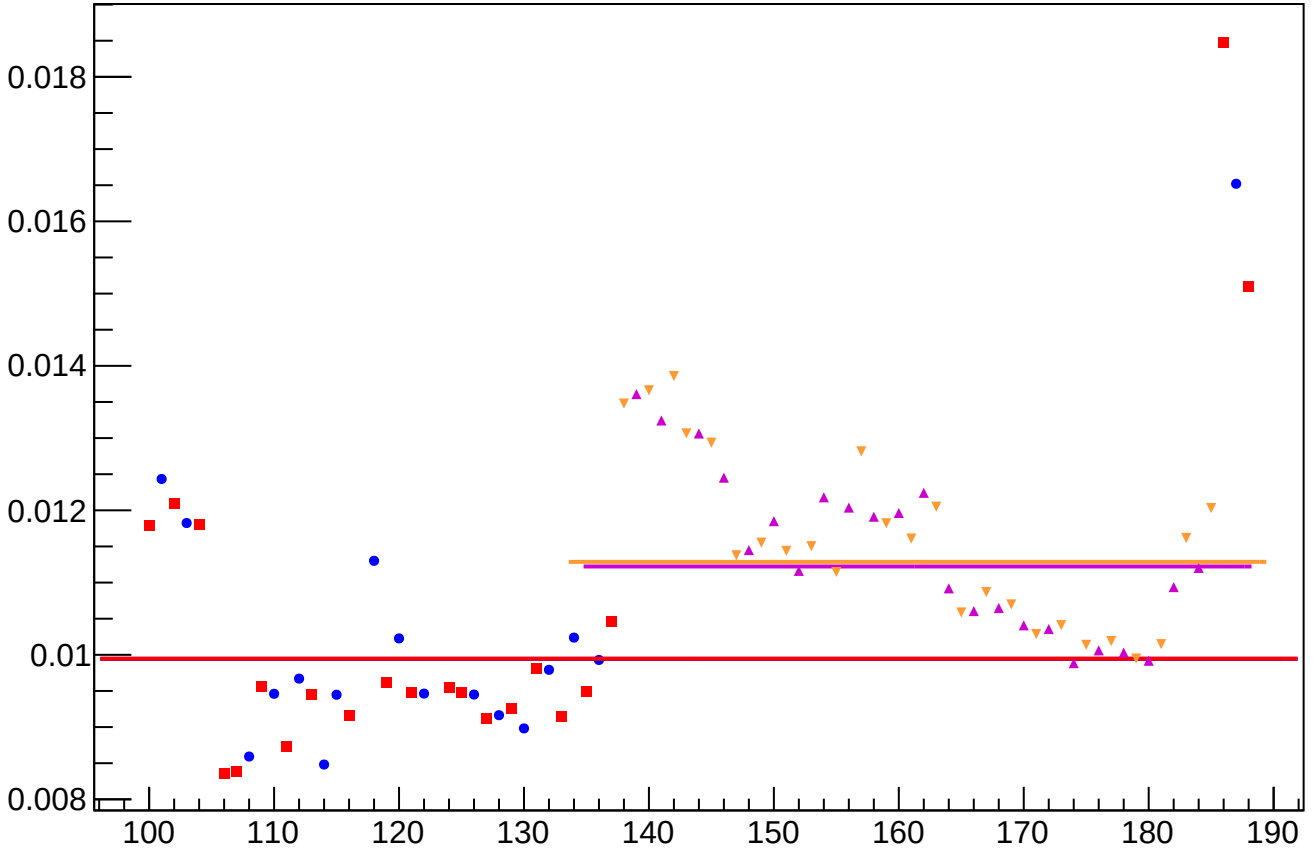
Right: 0.169+/-0.000 χ^2/NDF: 1309449355.4/37

In: 0.095+/-0.000 χ^2/NDF:10768589037.3/39

Out: 0.078+/-0.000 χ^2/NDF:14874149144.7/45

All: 0.086+/-0.000 χ^2/NDF: 25676635971.2/8

yield_bpm0l08X_rms vs Slug, Sign Corrected



Right In: 0.010+/-0.000 χ^2/NDF: 203221.6/16

Left Out: 0.011+/-0.000 χ^2/NDF:328248.0/24

Right Out: 0.010+/-0.000 χ^2/NDF: 536967.6/20

Left In: 0.011+/-0.000 χ^2/NDF:315246.6/22

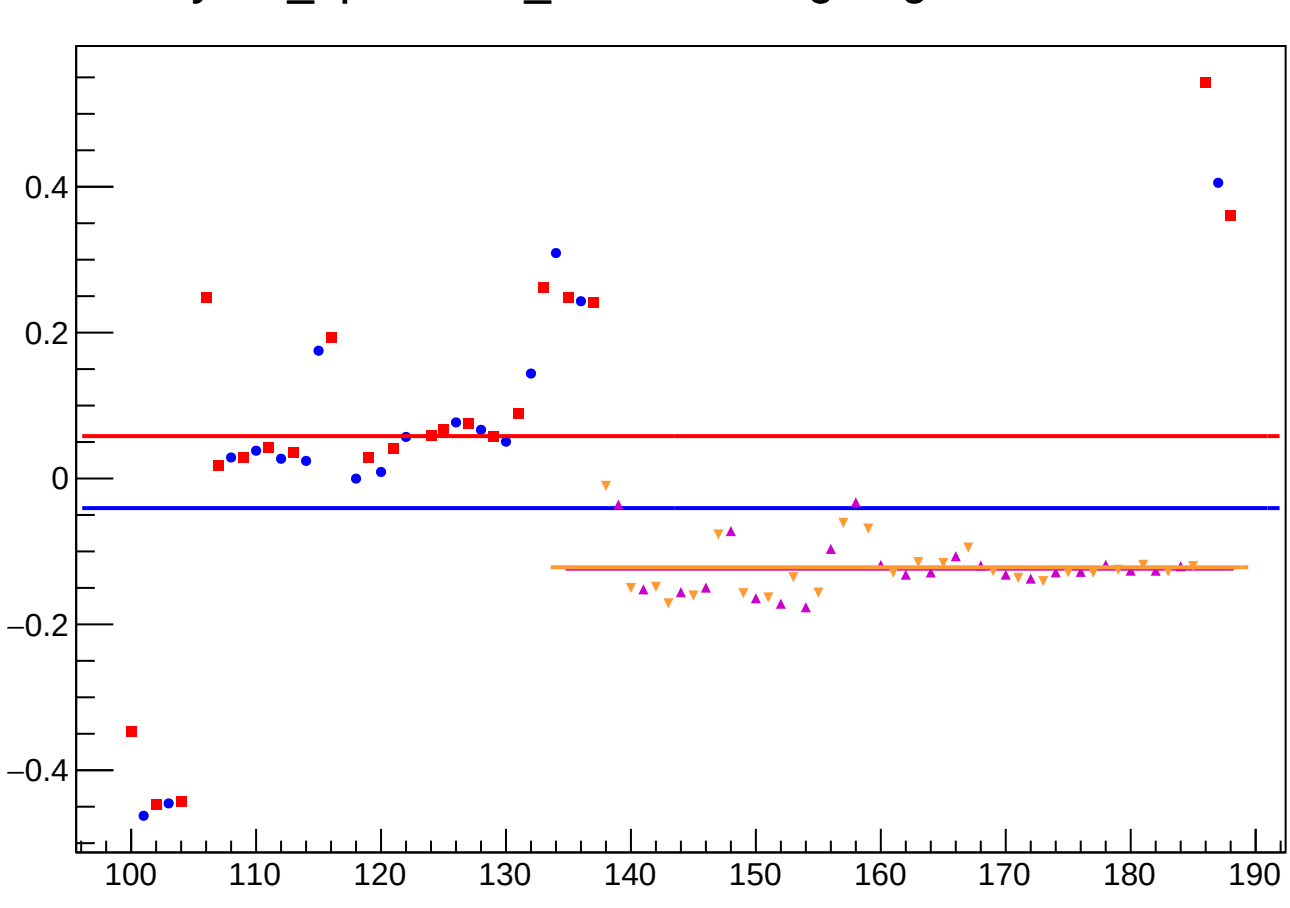
Left: 0.011+/-0.000 χ^2/NDF: 644069.7/47

Right: 0.010+/-0.000 χ^2/NDF: 740189.5/37

In: 0.011+/-0.000 χ^2/NDF:671292.8/39

Out: 0.011+/-0.000 χ^2/NDF:1055690.8/45

All: 0.011+/-0.000 χ^2/NDF: 1726986.4/85



Right In: -0.041+/-0.000 χ^2/NDF: 26248764412.5/16

Left Out: -0.122+/-0.000 χ^2/NDF:2922583819.6/24

Right Out: 0.058+/-0.000 χ^2/NDF: 37117073623.4/20

Left In: -0.124+/-0.000 χ^2/NDF:2809457047.2/22

Left: -0.123+/-0.000 χ^2/NDF: 5736373212.1/47

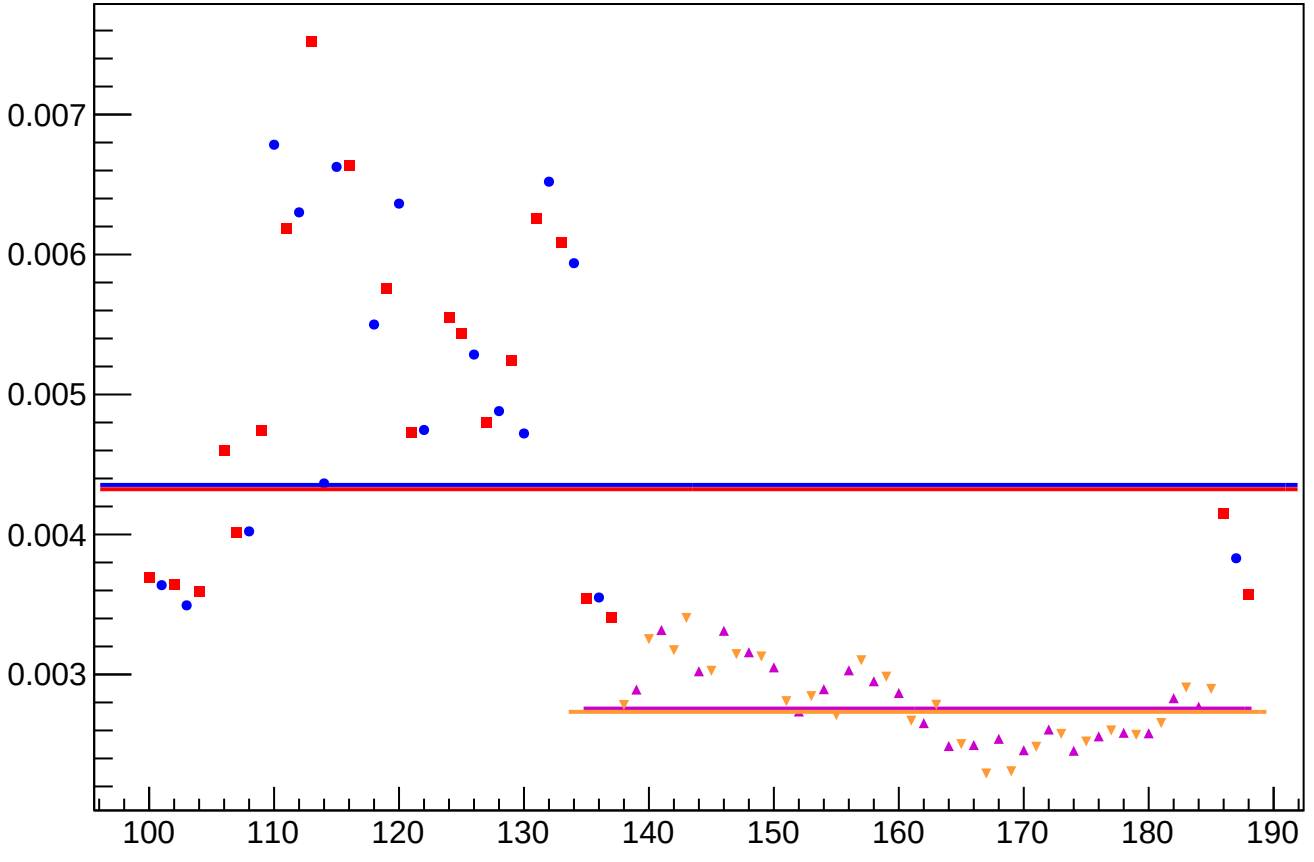
Right: 0.014+/-0.000 χ^2/NDF: 65142877974.5/37

In: -0.113+/-0.000 χ^2/NDF:31045254610.2/39

Out: -0.096+/-0.000 χ^2/NDF:51355000239.4/45

All: -0.104+/-0.000 χ^2/NDF: 82796756424.3/

yield_bpm0l08Y_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 666411.9/16

Left Out: 0.003+/-0.000 χ^2/NDF:391885.5/24

Right Out: 0.004+/-0.000 χ^2/NDF: 808154.0/20

Left In: 0.003+/-0.000 χ^2/NDF:293113.7/22

Left: 0.003+/-0.000 χ^2/NDF: 686267.5/47

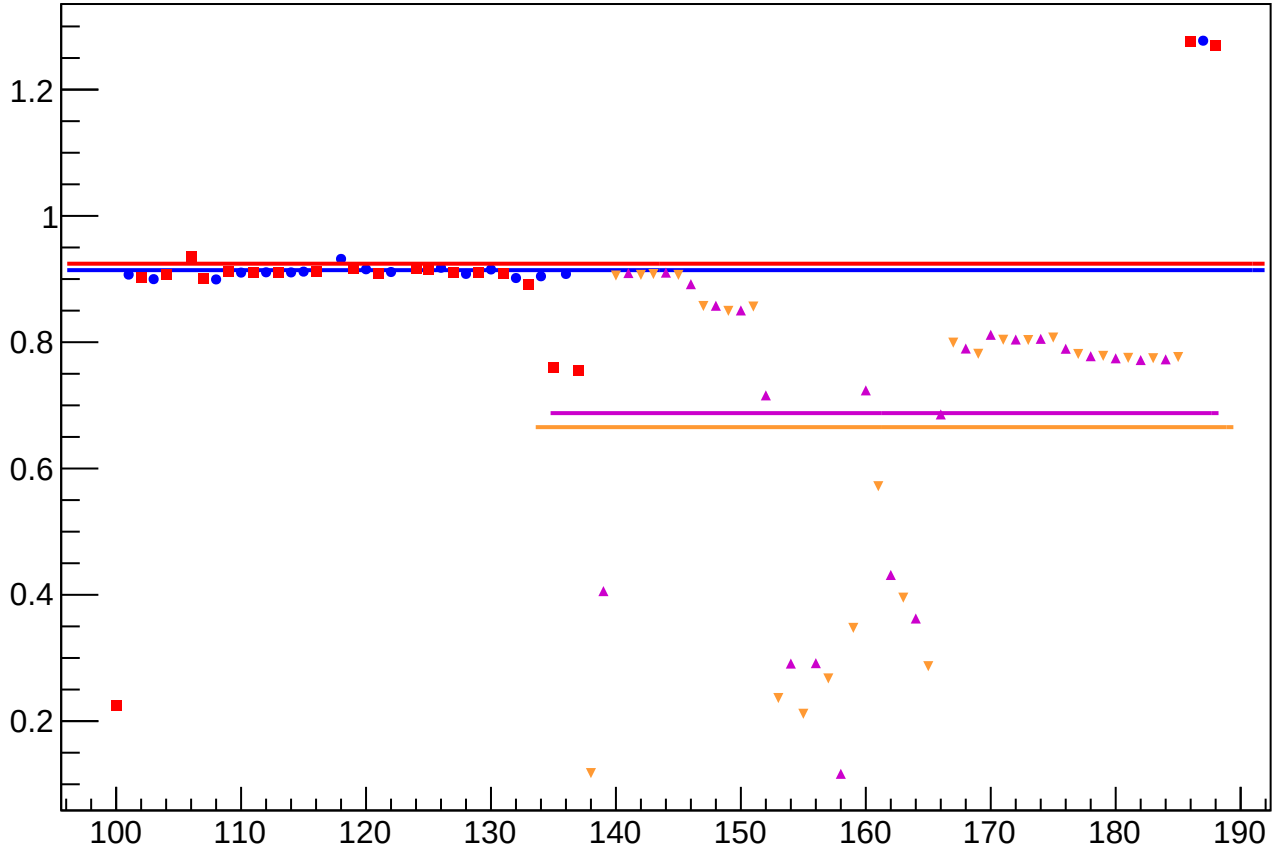
Right: 0.004+/-0.000 χ^2/NDF: 1474910.8/37

In: 0.003+/-0.000 χ^2/NDF:2431344.5/39

Out: 0.003+/-0.000 χ^2/NDF:2969642.9/45

All: 0.003+/-0.000 χ^2/NDF: 5400994.9/85

yield_bpm0l09X_mean vs Slug, Sign Corrected



Right In: 0.914+/-0.000 χ^2/NDF: 94917651.7/16

Left Out: 0.666+/-0.000 χ^2/NDF:9213839939.9/24

Right Out: 0.924+/-0.000 χ^2/NDF: 1083729382.6/20

Left In: 0.688+/-0.000 χ^2/NDF:6999062215.3/22

Left: 0.676+/-0.000 χ^2/NDF: 16249398180.7/47

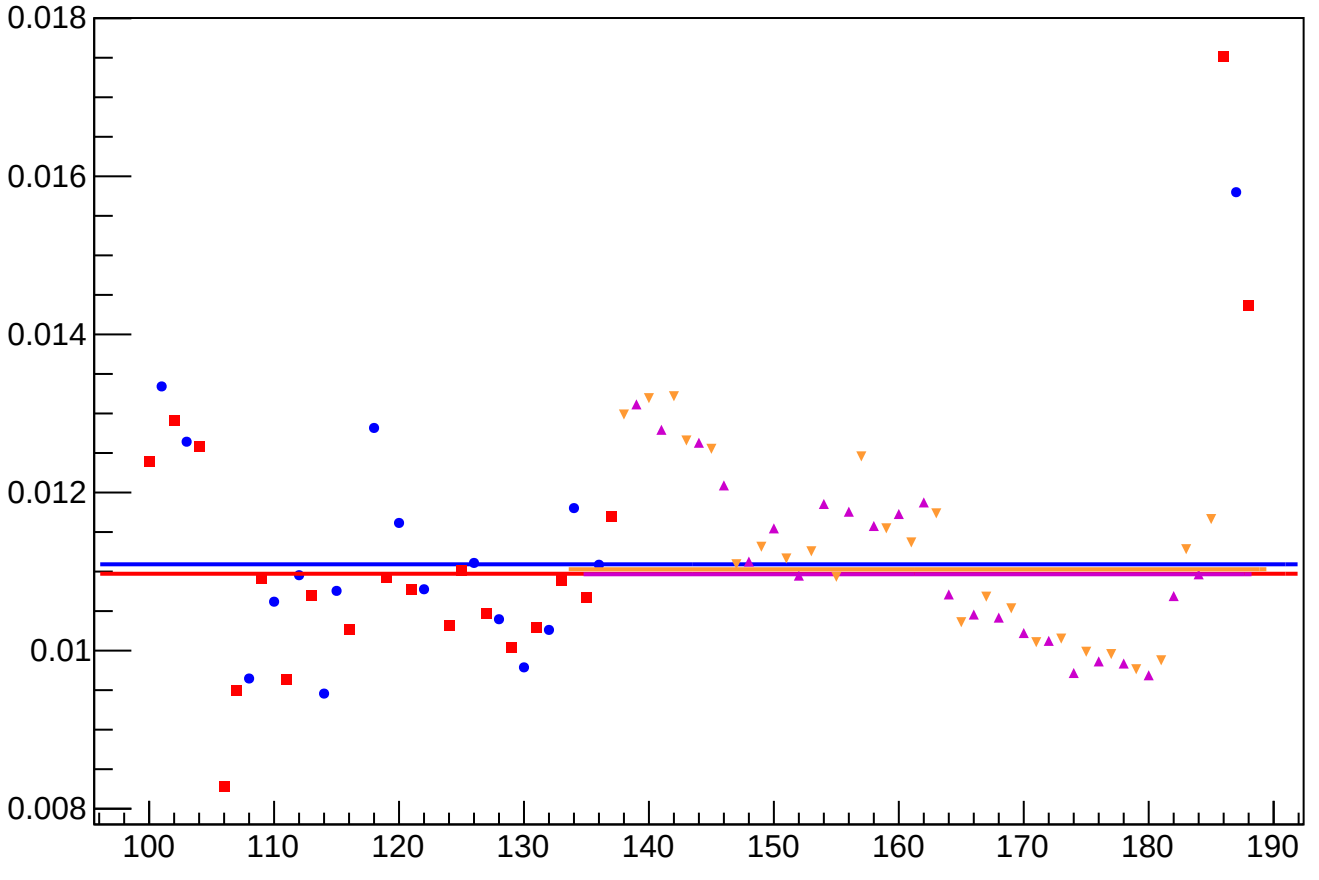
Right: 0.920+/-0.000 χ^2/NDF: 1181919065.5/37

In: 0.752+/-0.000 χ^2/NDF:9193851194.3/39

Out: 0.747+/-0.000 χ^2/NDF:13497242074.5/45

All: 0.749+/-0.000 χ^2/NDF: 22693164660.5/8

yield_bpm0l09X_rms vs Slug, Sign Corrected



Right In: 0.011+/-0.000 χ^2/NDF: 161166.1/16

Left Out: 0.011+/-0.000 χ^2/NDF:299445.0/24

Right Out: 0.011+/-0.000 χ^2/NDF: 369643.5/20

Left In: 0.011+/-0.000 χ^2/NDF:287650.0/22

Left: 0.011+/-0.000 χ^2/NDF: 587697.9/47

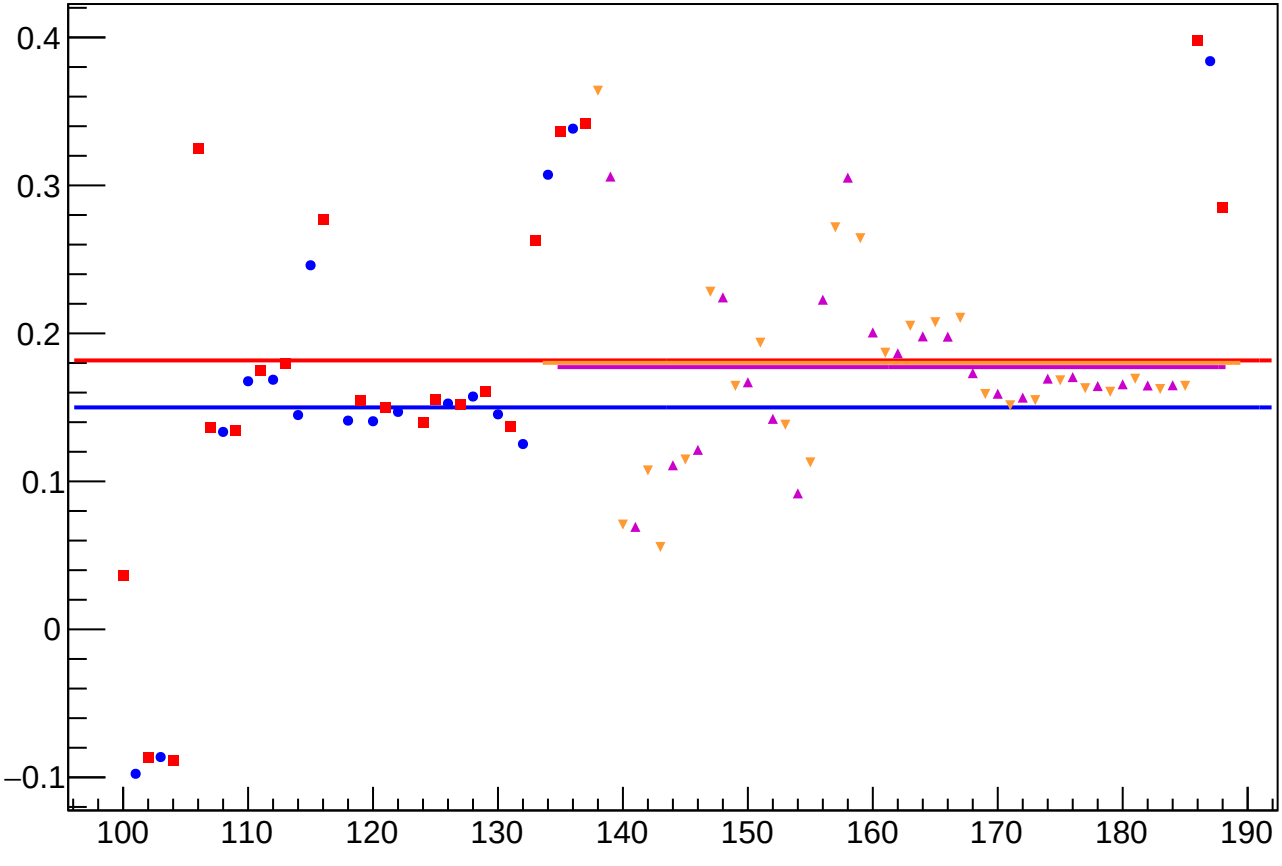
Right: 0.011+/-0.000 χ^2/NDF: 531706.4/37

In: 0.011+/-0.000 χ^2/NDF:450122.6/39

Out: 0.011+/-0.000 χ^2/NDF:669399.1/45

All: 0.011+/-0.000 χ^2/NDF: 1119543.4/85

yield_bpm0l09Y_mean vs Slug, Sign Corrected



Right In: 0.150+/-0.000 χ^2/NDF: 8324938288.2/16

Left Out: 0.180+/-0.000 χ^2/NDF:6448853953.3/24

Right Out: 0.182+/-0.000 χ^2/NDF: 8894399947.0/20

Left In: 0.177+/-0.000 χ^2/NDF:4620854117.7/22

Left: 0.179+/-0.000 χ^2/NDF: 11077549854.5/47

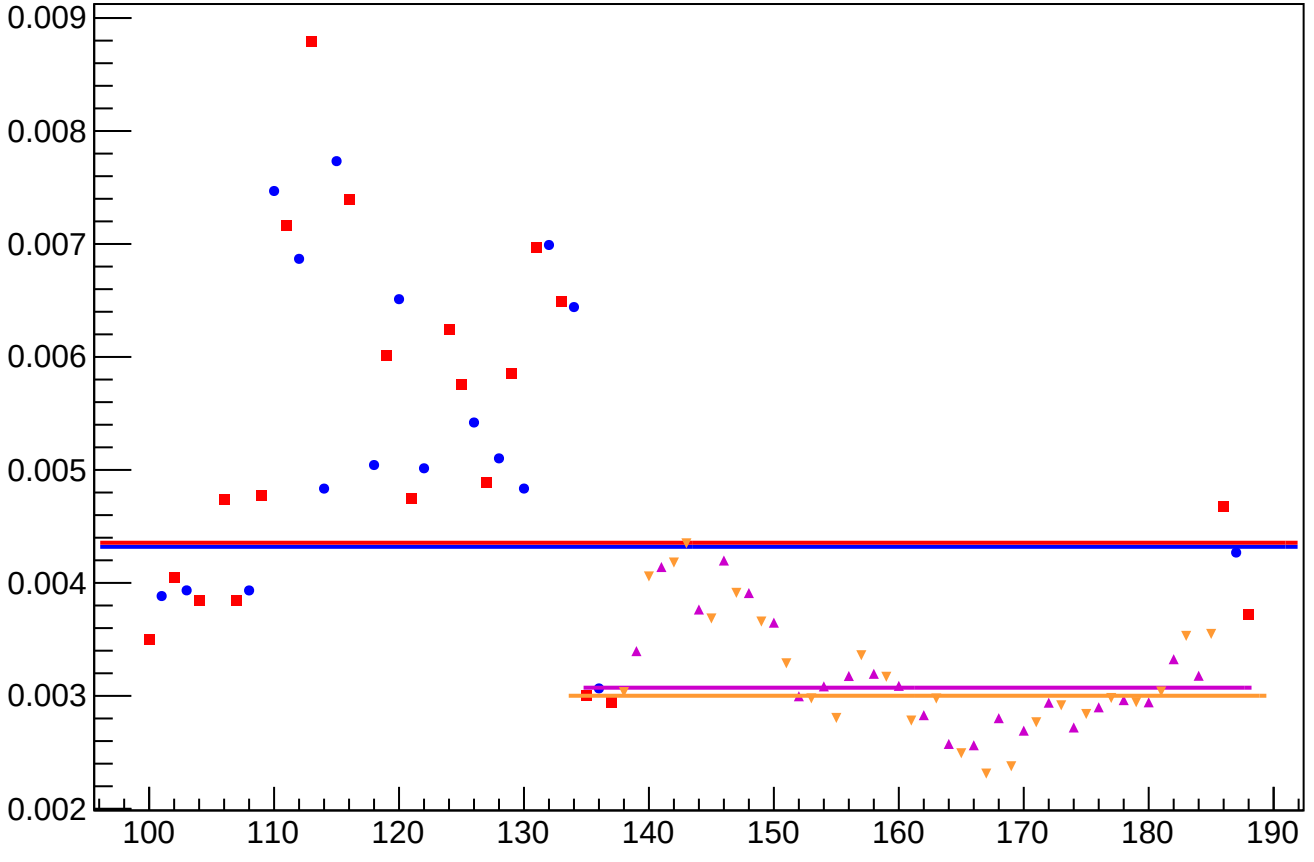
Right: 0.167+/-0.000 χ^2/NDF: 17391783769.2/37

In: 0.173+/-0.000 χ^2/NDF:13143901530.4/39

Out: 0.180+/-0.000 χ^2/NDF:15344081855.5/45

All: 0.177+/-0.000 χ^2/NDF: 28546168236.5/8

yield_bpm0l09Y_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 878386.5/16

Left Out: 0.003+/-0.000 χ^2/NDF:888350.2/24

Right Out: 0.004+/-0.000 χ^2/NDF: 1145617.8/20

Left In: 0.003+/-0.000 χ^2/NDF:587459.6/22

Left: 0.003+/-0.000 χ^2/NDF: 1485282.4/47

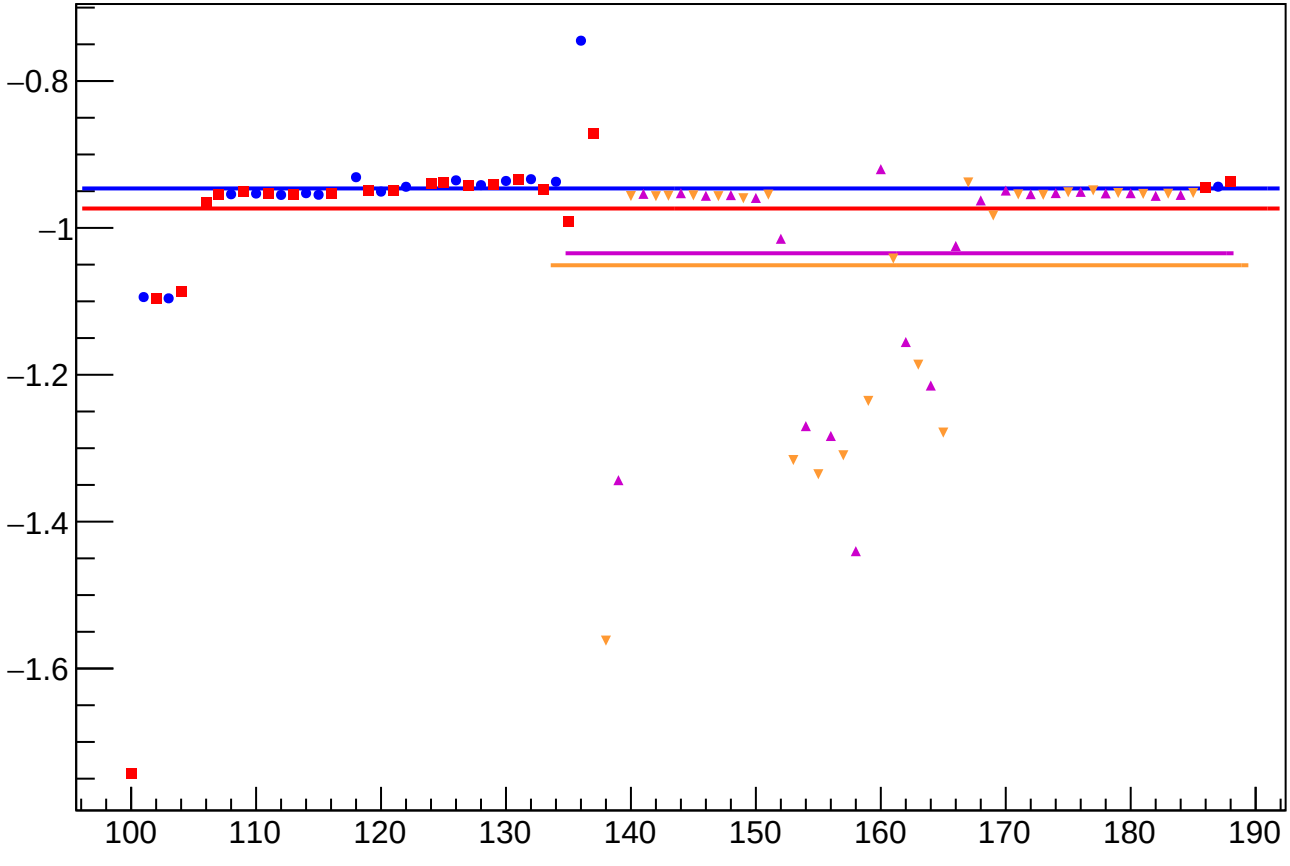
Right: 0.004+/-0.000 χ^2/NDF: 2024449.5/37

In: 0.003+/-0.000 χ^2/NDF:2297516.2/39

Out: 0.003+/-0.000 χ^2/NDF:3189177.3/45

All: 0.003+/-0.000 χ^2/NDF: 5490559.2/85

yield_bpm0l10X_mean vs Slug, Sign Corrected



Right In: -0.946+/-0.000 χ^2/NDF: 404514565.7/16

Left Out: -1.051+/-0.000 χ^2/NDF:5082084184.4/24

Right Out: -0.974+/-0.000 χ^2/NDF: 471779079.9/20

Left In: -1.035+/-0.000 χ^2/NDF:3925761523.9/22

Left: -1.043+/-0.000 χ^2/NDF: 9032853026.0/47

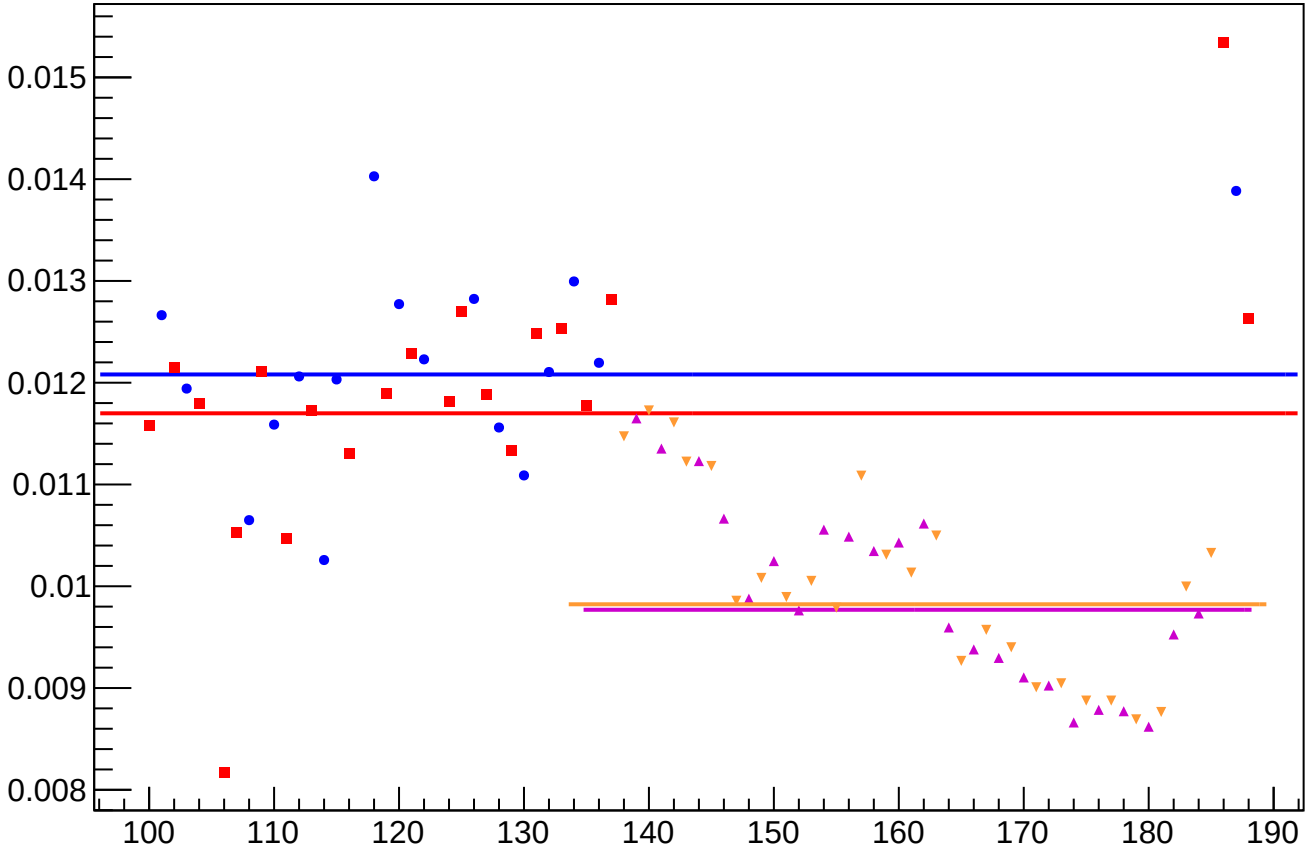
Right: -0.962+/-0.000 χ^2/NDF: 896495811.8/37

In: -1.016+/-0.000 χ^2/NDF:4627998443.9/39

Out: -1.032+/-0.000 χ^2/NDF:5832524371.9/45

All: -1.024+/-0.000 χ^2/NDF: 10491001118.5/

yield_bpm0l10X_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 68393.8/16

Left Out: 0.010+/-0.000 χ^2/NDF:293862.1/24

Right Out: 0.012+/-0.000 χ^2/NDF: 207978.6/20

Left In: 0.010+/-0.000 χ^2/NDF:281817.4/22

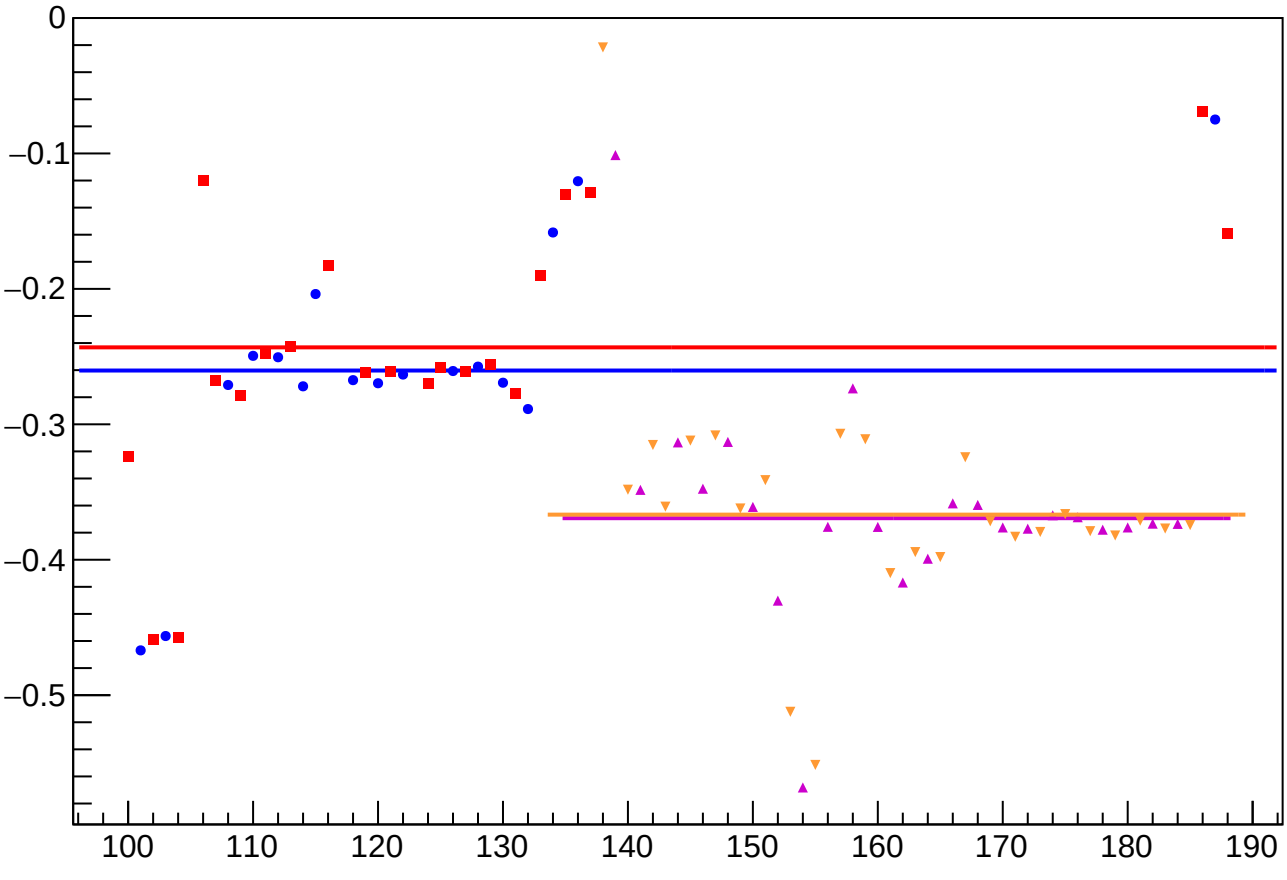
Left: 0.010+/-0.000 χ^2/NDF: 576227.7/47

Right: 0.012+/-0.000 χ^2/NDF: 284262.2/37

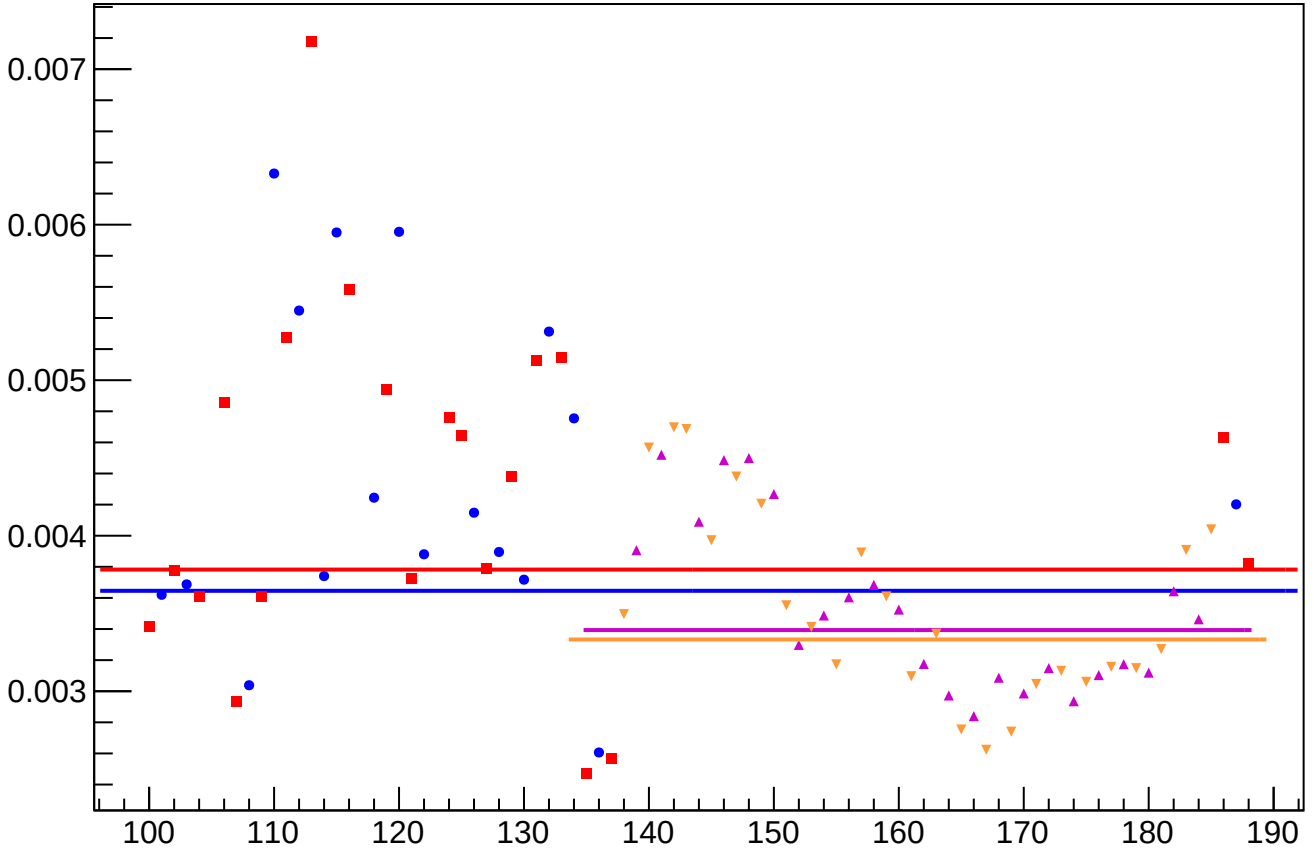
In: 0.010+/-0.000 χ^2/NDF:758779.5/39

Out: 0.010+/-0.000 χ^2/NDF:830442.7/45

All: 0.010+/-0.000 χ^2/NDF: 1589442.6/85


yield_bpm0l10Y_mean vs Slug, Sign Corrected
0
−0.1
−0.2
−0.3
−0.4
−0.5
100
110
120
130
140
150
160
170
180
190
Right In: -0.260+/-0.000 χ²/NDF: 6396826063.9/16
Left Out: -0.367+/-0.000 χ²/NDF:11945266102.2/24
Right Out: -0.243+/-0.000 χ²/NDF: 6350521300.4/20
Left In: -0.369+/-0.000 χ²/NDF:7581323027.3/22
Left: -0.368+/-0.000 χ²/NDF: 19531807890.3/47
Right: -0.251+/-0.000 χ²/NDF: 12816626738.8/37
In: -0.344+/-0.000 χ²/NDF:18019416256.1/39
Out: -0.337+/-0.000 χ²/NDF:24147557374.6/45
All: -0.340+/-0.000 χ²/NDF: 42214068896.5/

yield_bpm0l10Y_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 733828.2/16

Left Out: 0.003+/-0.000 χ^2/NDF:857705.2/24

Right Out: 0.004+/-0.000 χ^2/NDF: 921004.0/20

Left In: 0.003+/-0.000 χ^2/NDF:633604.8/22

Left: 0.003+/-0.000 χ^2/NDF: 1496833.9/47

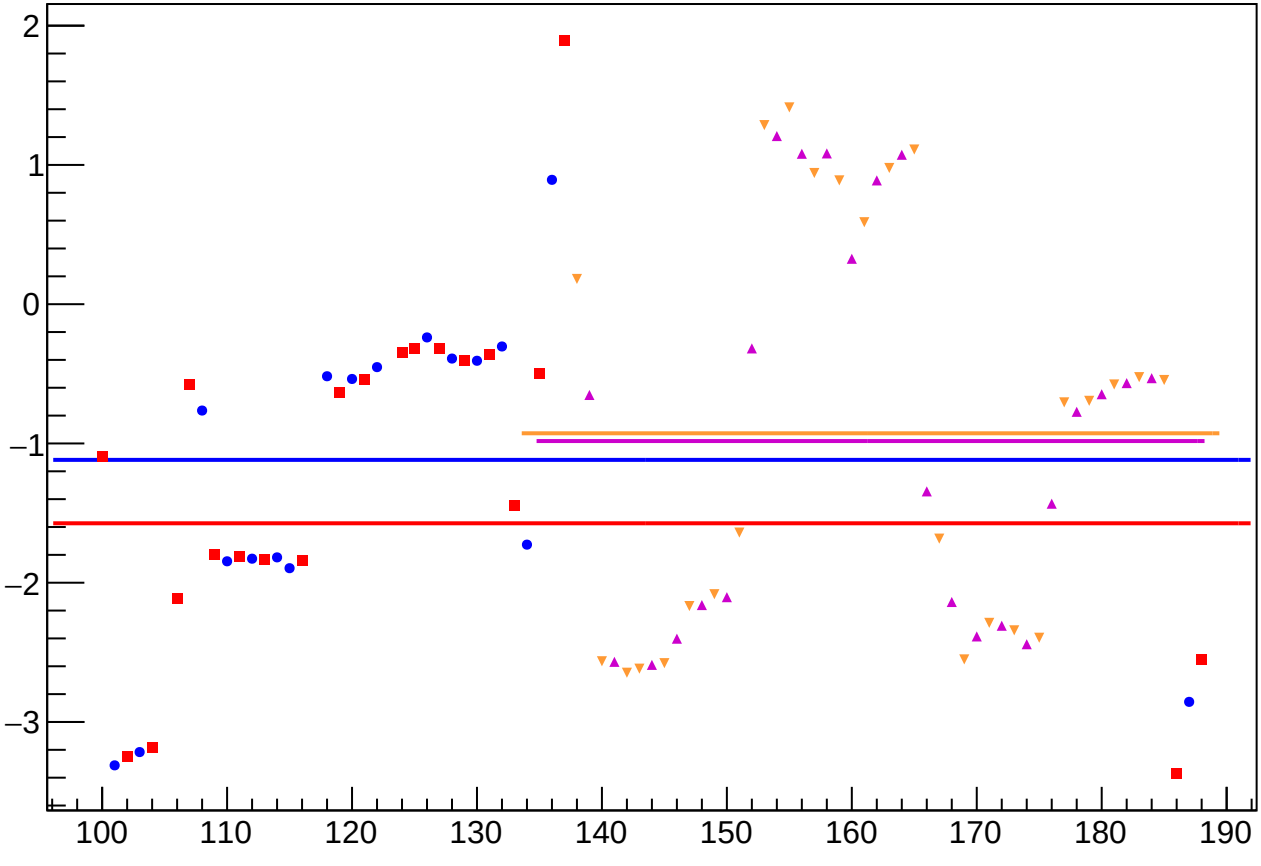
Right: 0.004+/-0.000 χ^2/NDF: 1663653.3/37

In: 0.003+/-0.000 χ^2/NDF:1410768.8/39

Out: 0.003+/-0.000 χ^2/NDF:1933713.0/45

All: 0.003+/-0.000 χ^2/NDF: 3344720.3/85

yield_bpm0r03X_mean vs Slug, Sign Corrected



Right In: -1.118+/-0.000 χ^2/NDF: 2519904853.0/16

Left Out: -0.927+/-0.000 χ^2/NDF:7248712470.7/24

Right Out: -1.573+/-0.000 χ^2/NDF: 2448783328.4/20

Left In: -0.983+/-0.000 χ^2/NDF:5918975536.0/22

Left: -0.954+/-0.000 χ^2/NDF: 13173158507.1/47

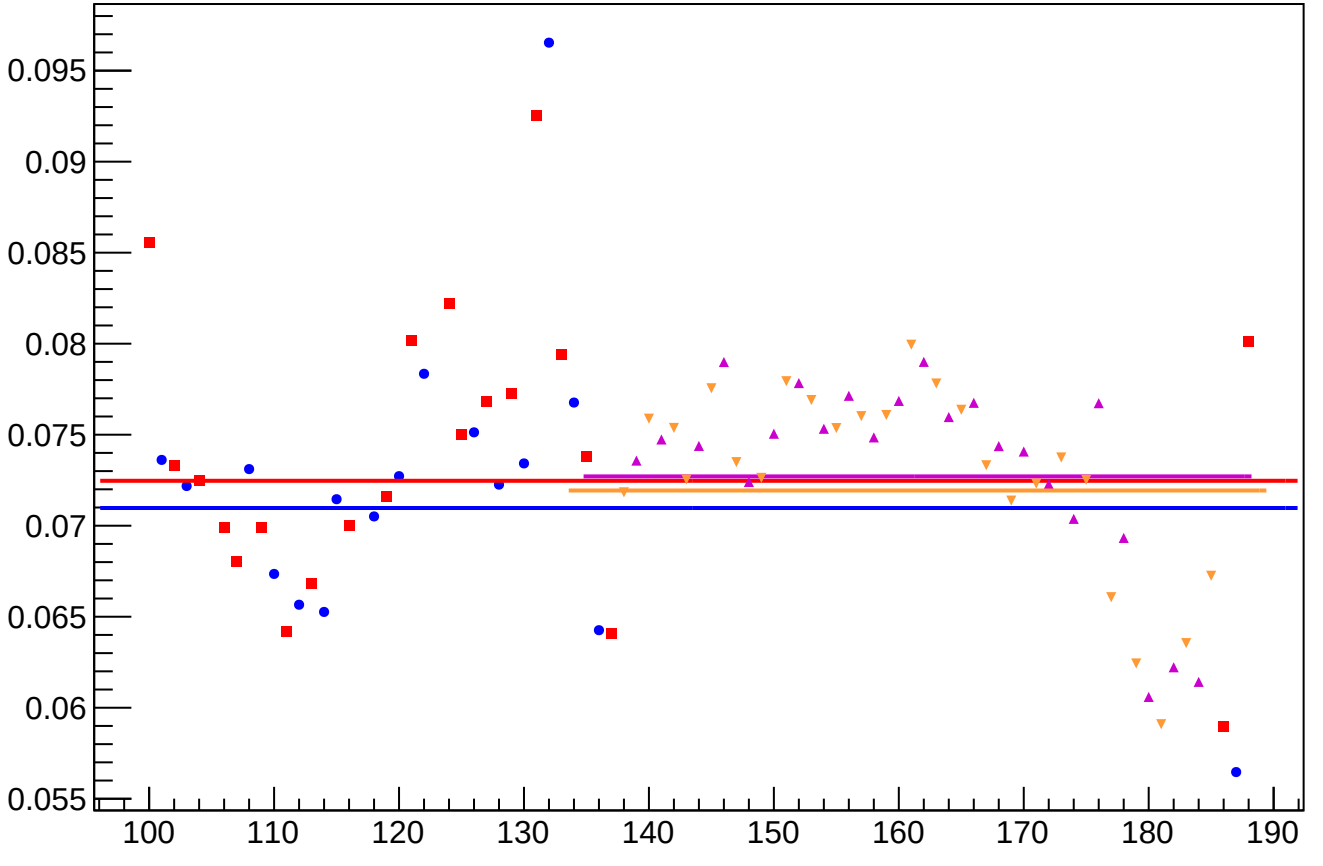
Right: -1.361+/-0.000 χ^2/NDF: 5126423683.0/37

In: -1.023+/-0.000 χ^2/NDF:8457199045.5/39

Out: -1.126+/-0.000 χ^2/NDF:10169359746.1/45

All: -1.077+/-0.000 χ^2/NDF: 18653538778.2/

yield_bpm0r03X_rms vs Slug, Sign Corrected



Right In: 0.071+/-0.000 χ^2/NDF: 125338.3/16

Left Out: 0.072+/-0.000 χ^2/NDF:235534.6/24

Right Out: 0.072+/-0.000 χ^2/NDF: 156186.2/20

Left In: 0.073+/-0.000 χ^2/NDF:197009.2/22

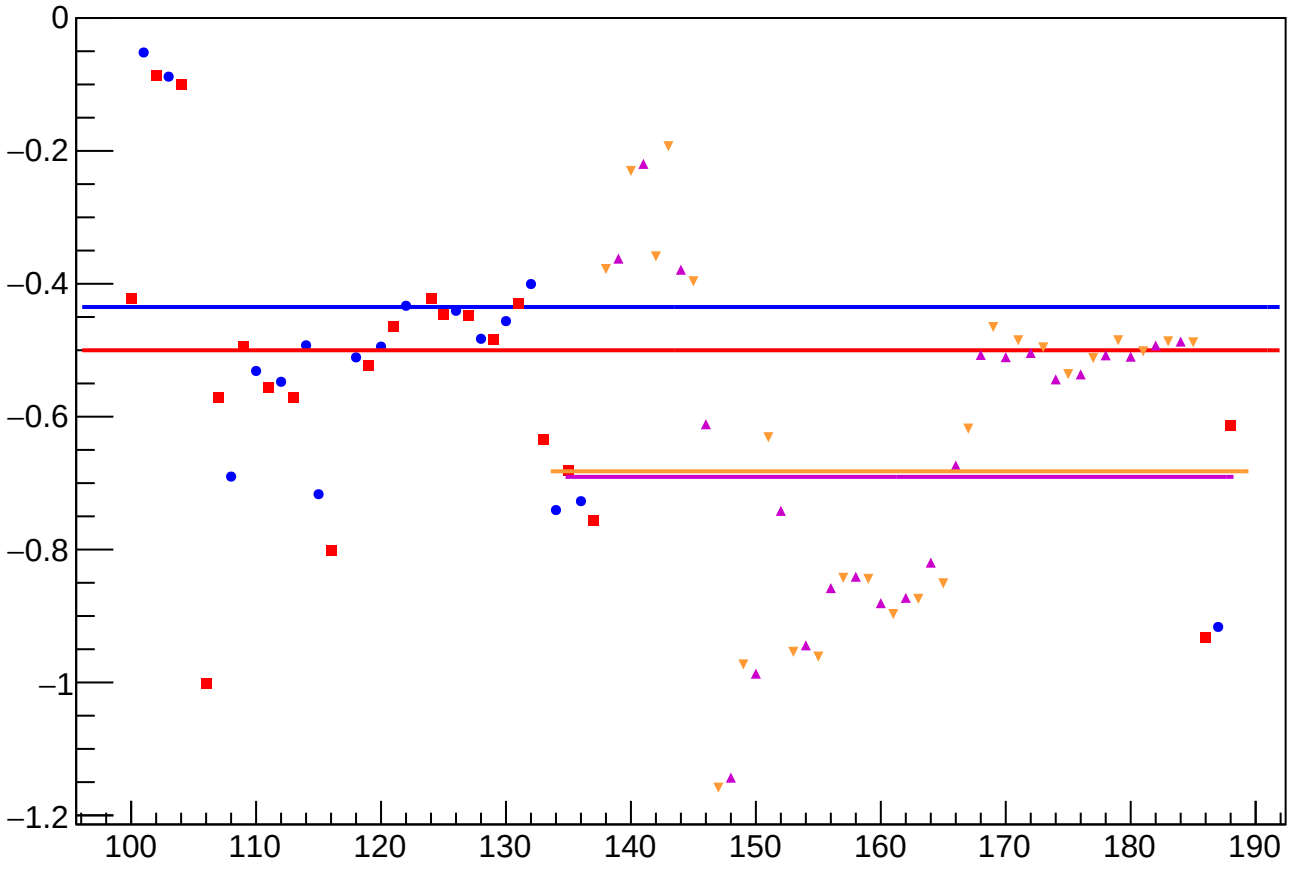
Left: 0.072+/-0.000 χ^2/NDF: 434657.5/47

Right: 0.072+/-0.000 χ^2/NDF: 284925.7/37

In: 0.072+/-0.000 χ^2/NDF:328392.4/39

Out: 0.072+/-0.000 χ^2/NDF:392364.4/45

All: 0.072+/-0.000 χ^2/NDF: 720803.7/85



Right In: -0.435+/-0.000 χ^2/NDF: 3434483288.9/16

Left Out: -0.682+/-0.000 χ^2/NDF:21823342960.4/24

Right Out: -0.500+/-0.000 χ^2/NDF: 4205179341.5/20

Left In: -0.691+/-0.000 χ^2/NDF:16867819938.3/22

Left: -0.686+/-0.000 χ^2/NDF: 38704767627.1/47

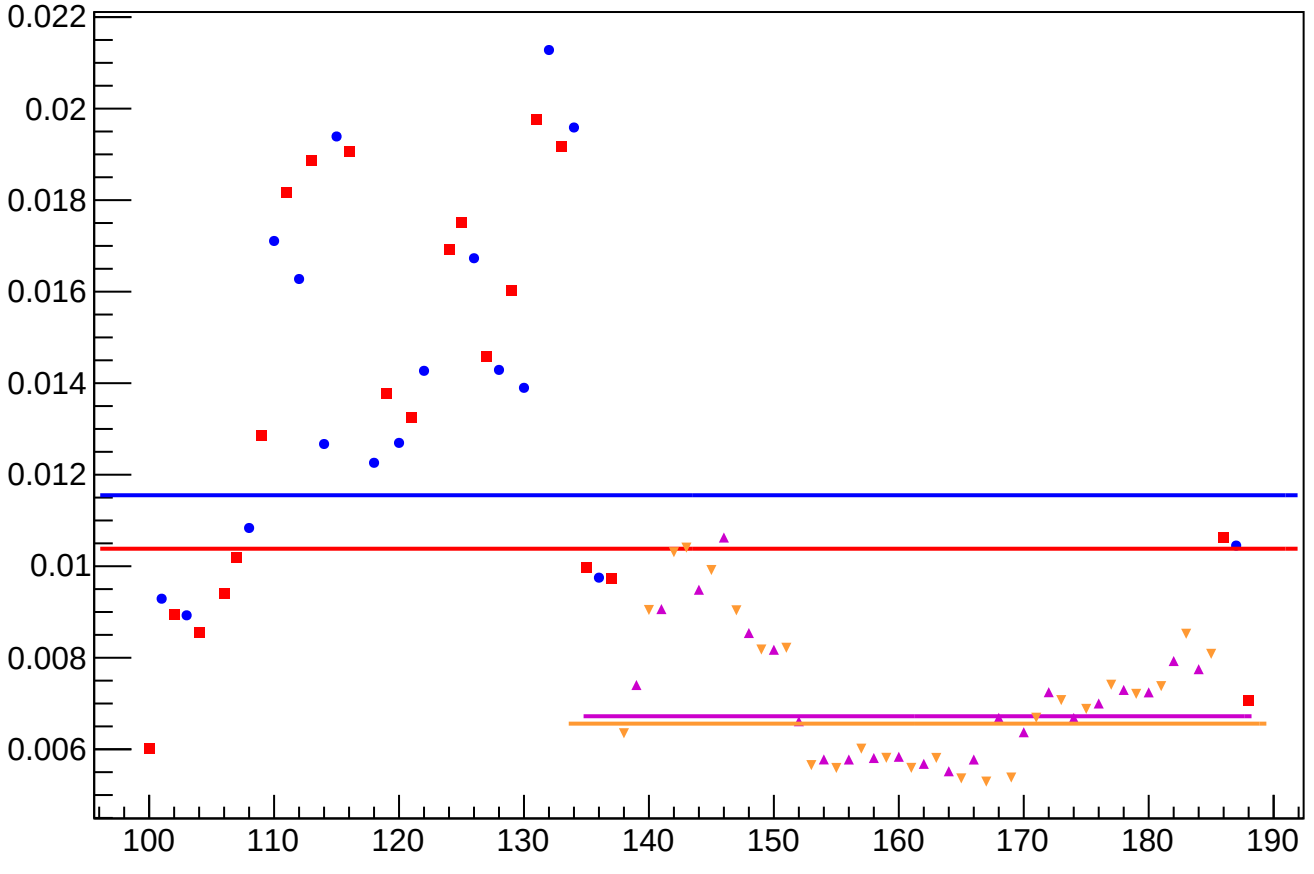
Right: -0.473+/-0.000 χ^2/NDF: 7753143862.9/37

In: -0.662+/-0.000 χ^2/NDF:22970382051.4/39

Out: -0.657+/-0.000 χ^2/NDF:27868102584.5/45

All: -0.660+/-0.000 χ^2/NDF: 50843717676.5/

yield_bpm0r03Y_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 790041.1/16

Left Out: 0.007+/-0.000 χ^2/NDF:1404221.4/24

Right Out: 0.010+/-0.000 χ^2/NDF: 1618917.9/20

Left In: 0.007+/-0.000 χ^2/NDF:960755.3/22

Left: 0.007+/-0.000 χ^2/NDF: 2375100.1/47

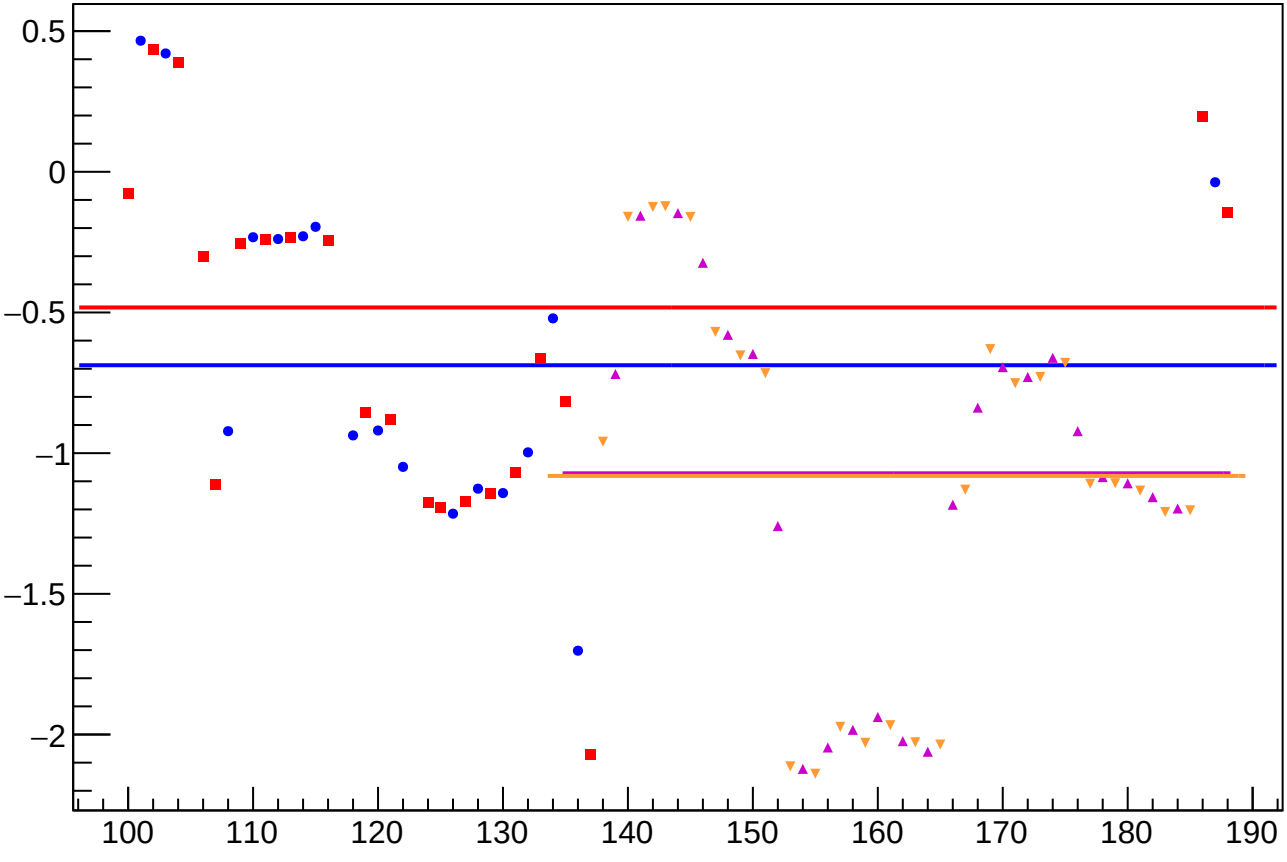
Right: 0.011+/-0.000 χ^2/NDF: 2482053.1/37

In: 0.007+/-0.000 χ^2/NDF:3655032.7/39

Out: 0.007+/-0.000 χ^2/NDF:4643272.7/45

All: 0.007+/-0.000 χ^2/NDF: 8312004.7/85

yield_bpm0r05X_mean vs Slug, Sign Corrected



Right In: -0.688+/-0.000 χ^2/NDF: 456555306.4/16

Left Out: -1.081+/-0.000 χ^2/NDF:1152285460.9/24

Right Out: -0.482+/-0.000 χ^2/NDF: 406376742.1/20

Left In: -1.072+/-0.000 χ^2/NDF:975623531.2/22

Left: -1.076+/-0.000 χ^2/NDF: 2128025374.6/47

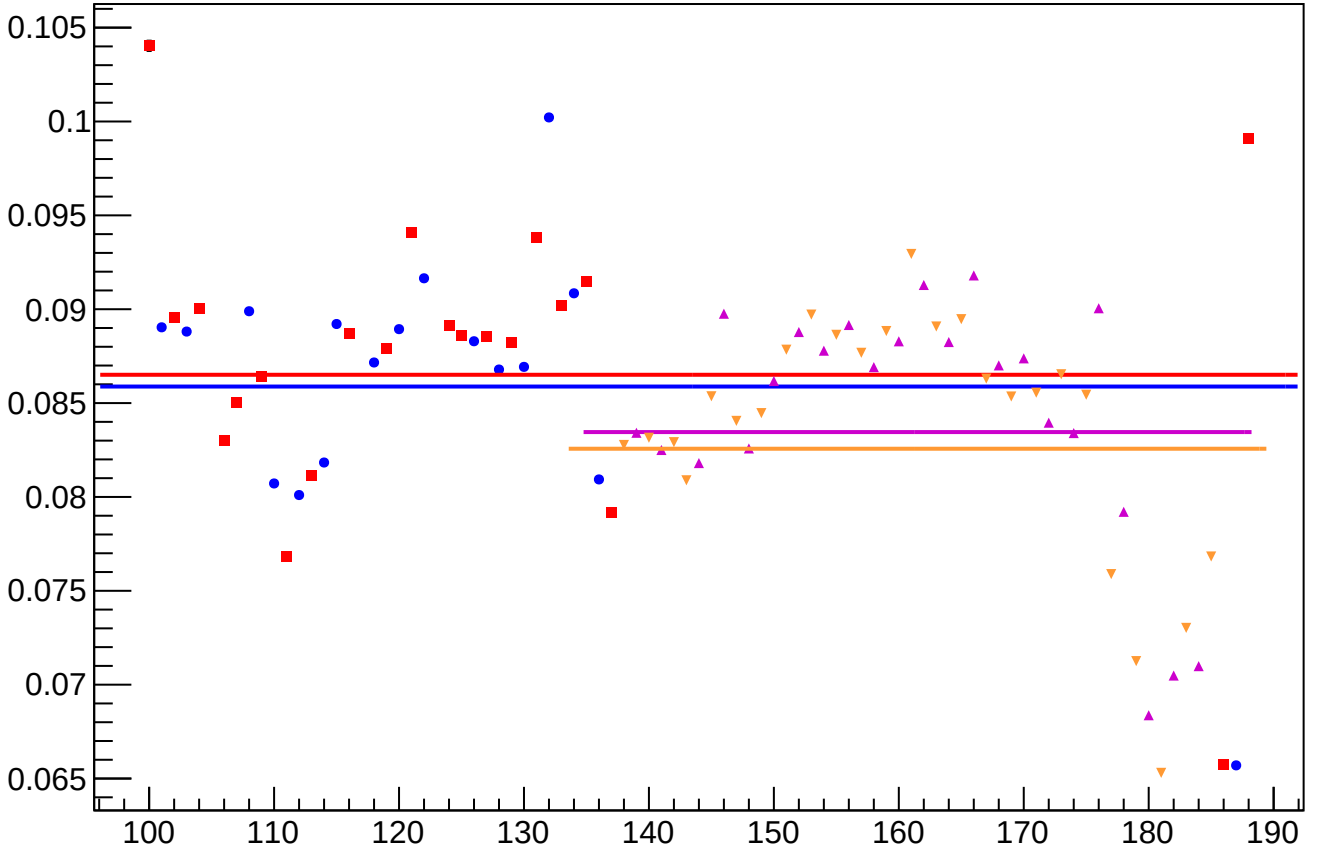
Right: -0.577+/-0.000 χ^2/NDF: 885613987.9/37

In: -0.965+/-0.000 χ^2/NDF:1538309922.8/39

Out: -0.905+/-0.000 χ^2/NDF:1854490644.3/45

All: -0.933+/-0.000 χ^2/NDF: 3399714852.6/8

yield_bpm0r05X_rms vs Slug, Sign Corrected



Right In: 0.086+/-0.000 χ^2/NDF: 80417.1/16

Left Out: 0.083+/-0.000 χ^2/NDF:291134.3/24

Right Out: 0.087+/-0.000 χ^2/NDF: 159697.0/20

Left In: 0.083+/-0.000 χ^2/NDF:238412.3/22

Left: 0.083+/-0.000 χ^2/NDF: 531669.0/47

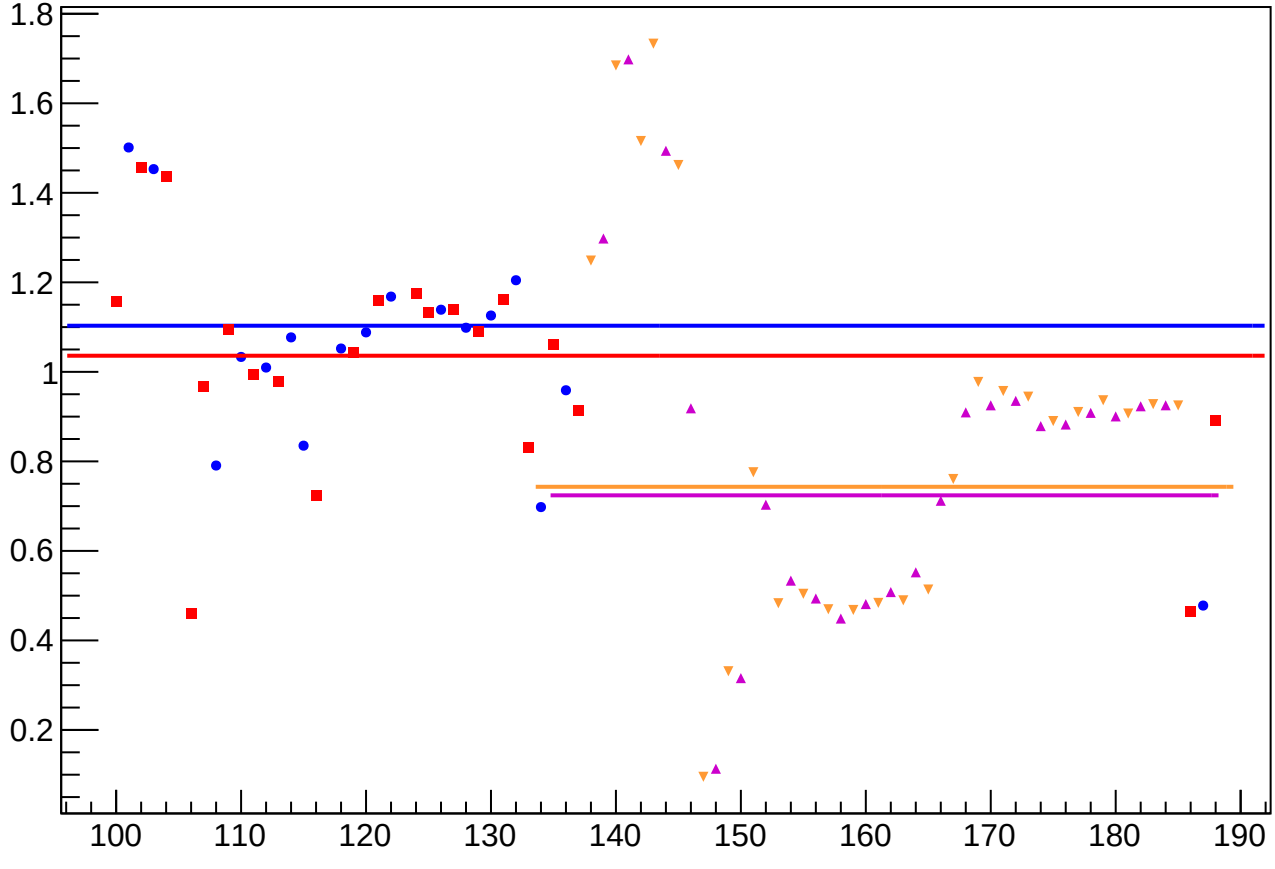
Right: 0.086+/-0.000 χ^2/NDF: 240536.0/37

In: 0.084+/-0.000 χ^2/NDF:327296.6/39

Out: 0.084+/-0.000 χ^2/NDF:476442.5/45

All: 0.084+/-0.000 χ^2/NDF: 804342.1/85

yield_bpm0r05Y_mean vs Slug, Sign Corrected



Right In: 1.103+/-0.000 χ^2/NDF: 1807714005.2/16

Left Out: 0.743+/-0.000 χ^2/NDF:32581746516.6/24

Right Out: 1.036+/-0.000 χ^2/NDF: 2533832106.2/20

Left In: 0.724+/-0.000 χ^2/NDF:25654534031.9/22

Left: 0.734+/-0.000 χ^2/NDF: 58283506093.5/47

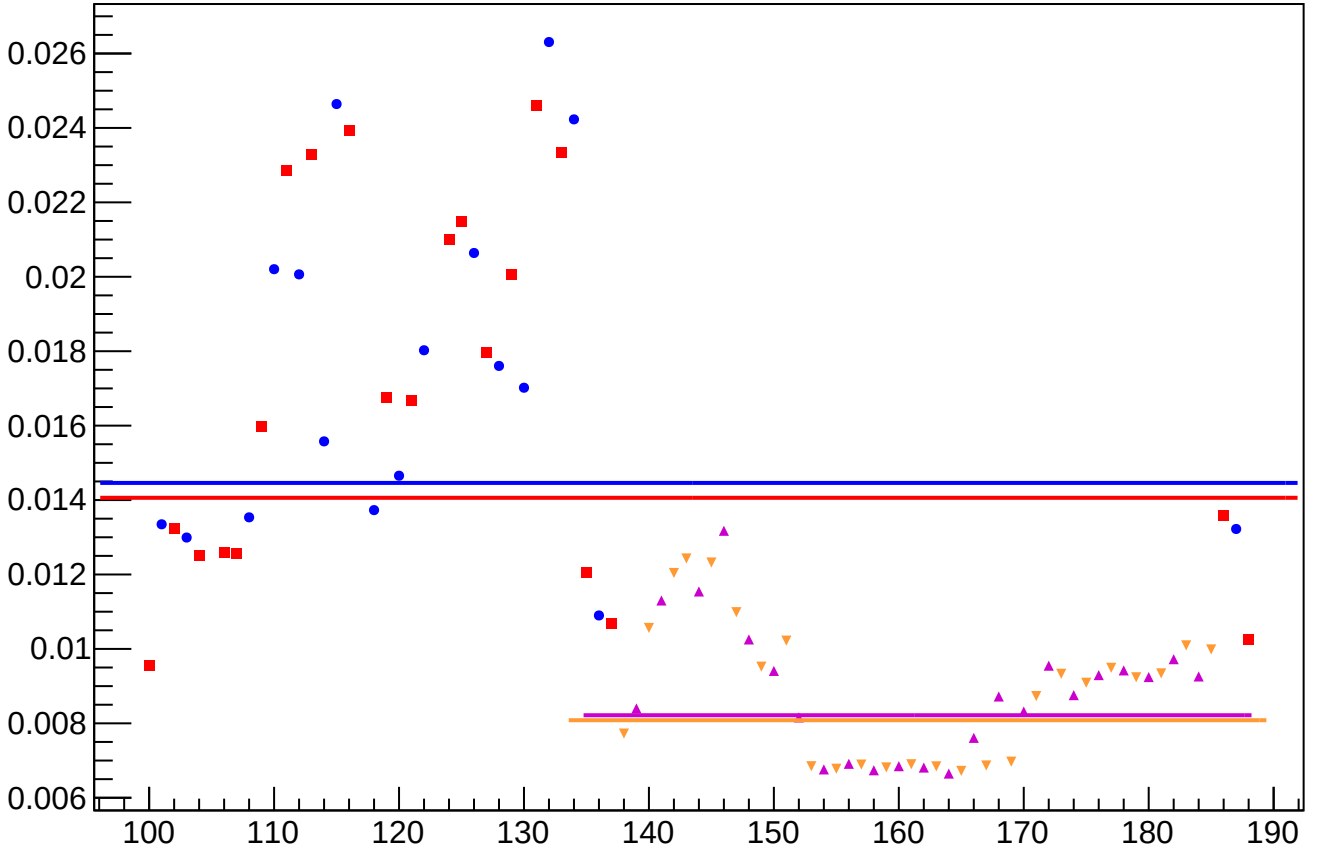
Right: 1.066+/-0.000 χ^2/NDF: 4414195719.8/37

In: 0.764+/-0.000 χ^2/NDF:31222013660.1/39

Out: 0.778+/-0.000 χ^2/NDF:37847996869.2/45

All: 0.771+/-0.000 χ^2/NDF: 69096258846.9/8

yield_bpm0r05Y_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 713115.5/16

Left Out: 0.008+/-0.000 χ^2/NDF:1406307.1/24

Right Out: 0.014+/-0.000 χ^2/NDF: 1149226.0/20

Left In: 0.008+/-0.000 χ^2/NDF:1127833.6/22

Left: 0.008+/-0.000 χ^2/NDF: 2538791.6/47

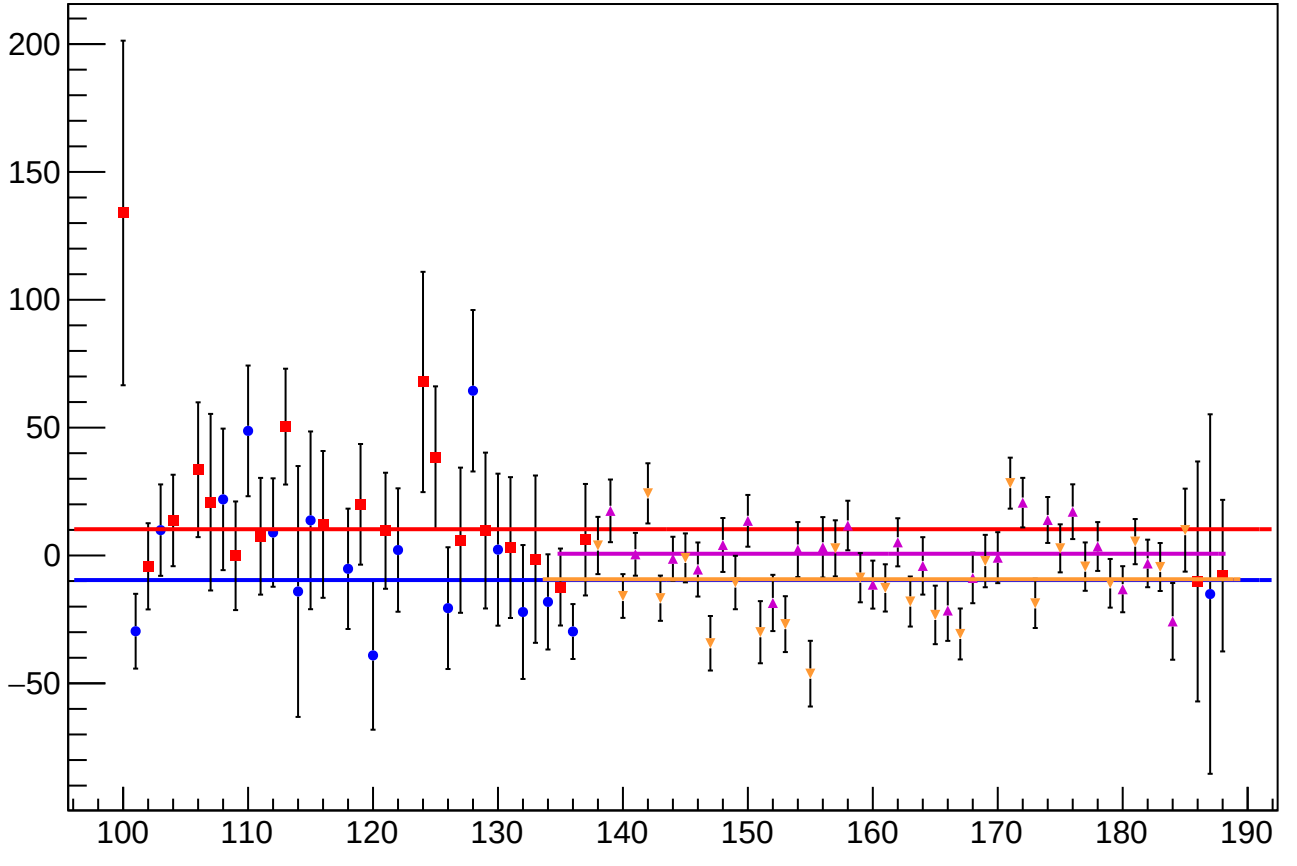
Right: 0.014+/-0.000 χ^2/NDF: 1867513.0/37

In: 0.009+/-0.000 χ^2/NDF:3881783.5/39

Out: 0.009+/-0.000 χ^2/NDF:4832579.8/45

All: 0.009+/-0.000 χ^2/NDF: 8716832.8/85

diff_bpm4aX_mean vs Slug, Sign Corrected



Right In: -9.612+/-5.276 χ^2/NDF: 21.9/16

Left Out: -9.292+/-2.031 χ^2/NDF:61.1/24

Right Out: 10.273+/-5.370 χ^2/NDF: 14.5/20

Left In: 0.676+/-2.104 χ^2/NDF:29.4/22

Left: -4.485+/-1.461 χ^2/NDF: 102.2/47

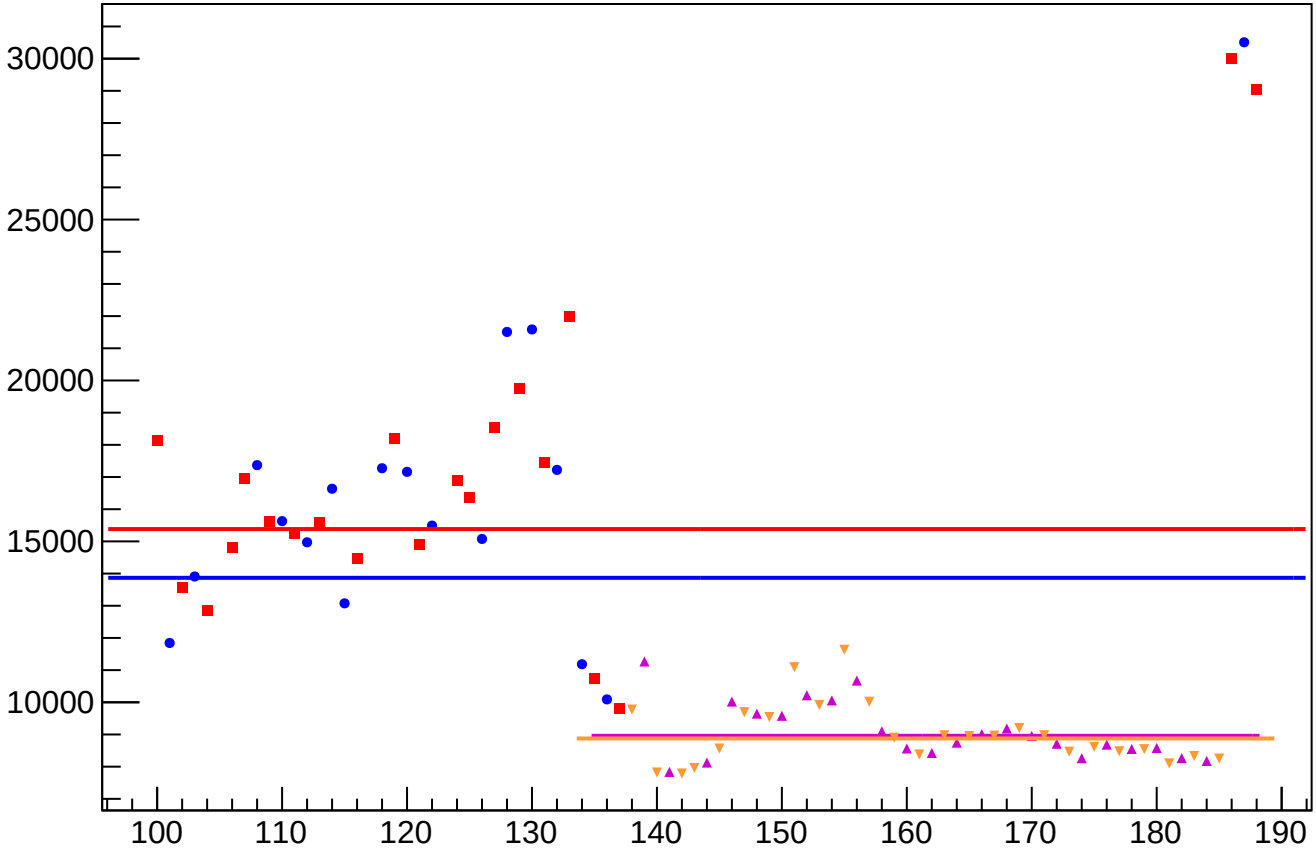
Right: 0.155+/-3.763 χ^2/NDF: 43.4/37

In: -0.736+/-1.954 χ^2/NDF:54.6/39

Out: -6.844+/-1.899 χ^2/NDF:87.2/45

All: -3.877+/-1.362 χ^2/NDF: 146.9/85

diff_bpm4aX_rms vs Slug, Sign Corrected



Right In: 13868.139+/-3.731 χ^2/NDF: 860288.6/16

Left Out: 8875.623+/-1.436 χ^2/NDF:346964.6/24

Right Out: 15382.380+/-3.797 χ^2/NDF: 1205483.7/20

Left In: 8958.661+/-1.488 χ^2/NDF:301724.6/22

Left: 8915.664+/-1.033 χ^2/NDF: 650301.9/47

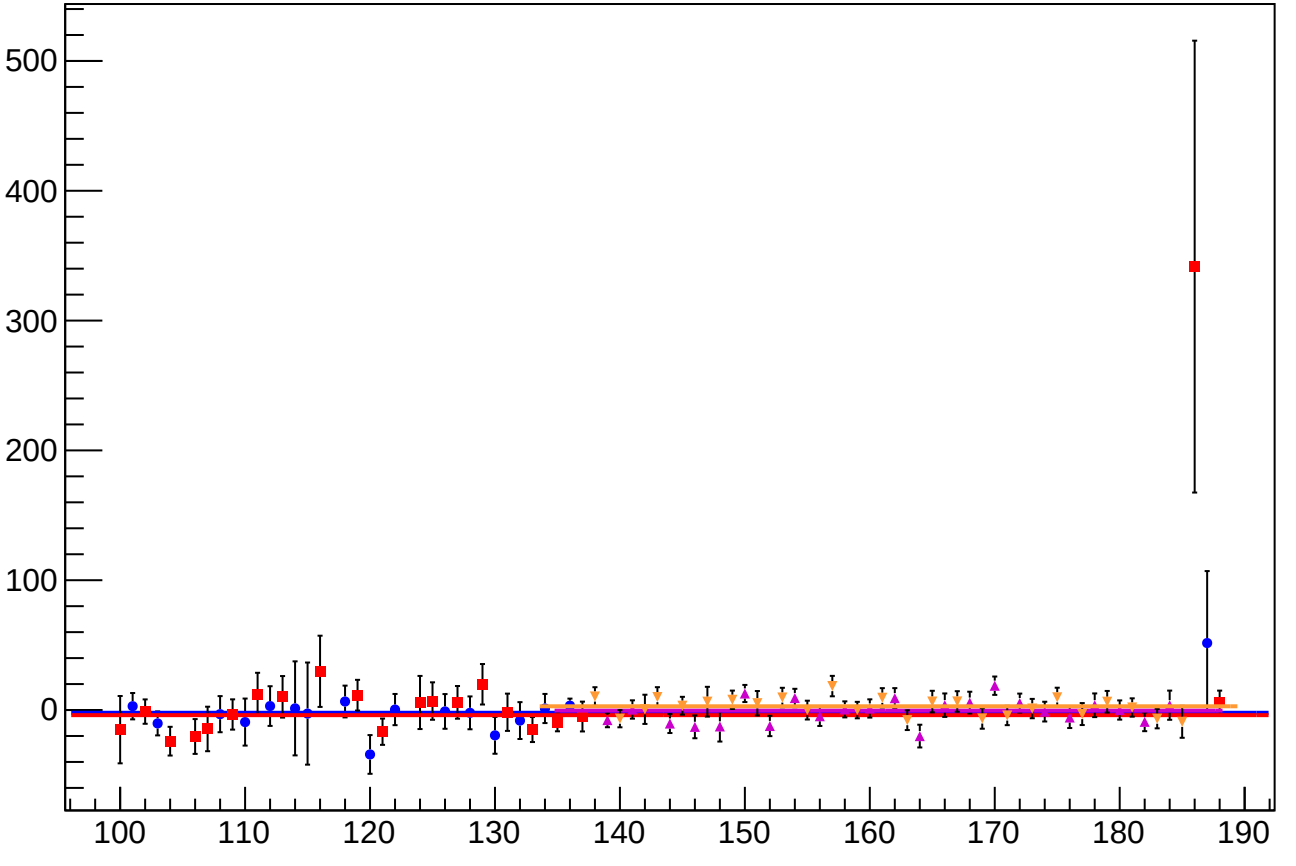
Right: 14611.926+/-2.661 χ^2/NDF: 2146701.0/37

In: 9632.449+/-1.382 χ^2/NDF:2656247.2/39

Out: 9689.742+/-1.343 χ^2/NDF:4121890.9/45

All: 9661.915+/-0.963 χ^2/NDF: 6779022.0/85

diff_bpm4aY_mean vs Slug, Sign Corrected



Right In: -2.118+/-2.918 χ^2/NDF: 10.2/16

Left Out: 2.879+/-1.554 χ^2/NDF:19.5/24

Right Out: -3.948+/-2.715 χ^2/NDF: 22.7/20

Left In: -0.456+/-1.581 χ^2/NDF:32.8/22

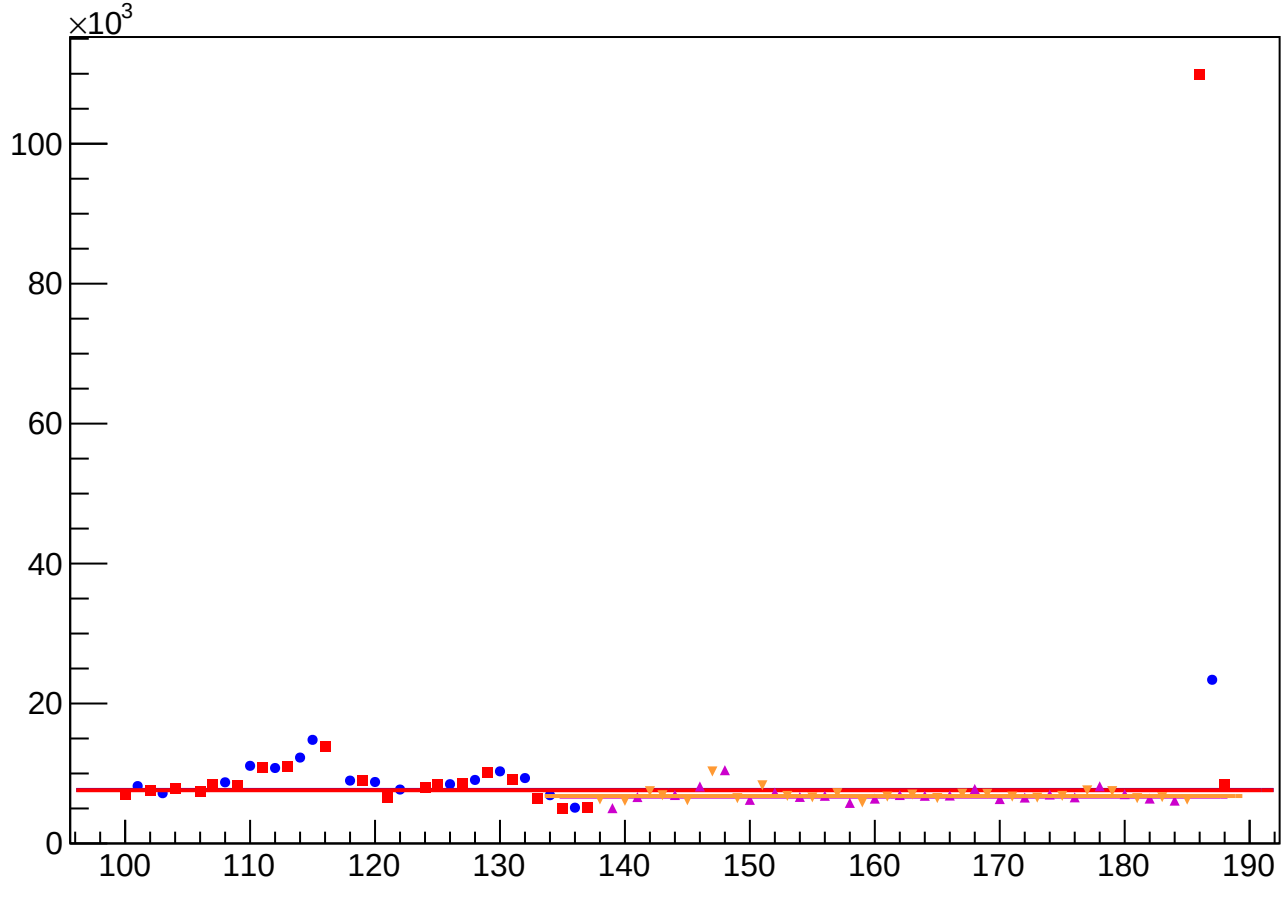
Left: 1.241+/-1.108 χ^2/NDF: 54.5/47

Right: -3.099+/-1.988 χ^2/NDF: 33.1/37

In: -0.833+/-1.390 χ^2/NDF:43.3/39

Out: 1.194+/-1.348 χ^2/NDF:46.9/45

All: 0.212+/-0.968 χ^2/NDF: 91.3/85



Right In: 7649.432+/-2.063 χ^2/NDF: 1053197.9/16

Left Out: 6776.739+/-1.099 χ^2/NDF:400166.7/24

Right Out: 7608.515+/-1.920 χ^2/NDF: 1534321.3/20

Left In: 6689.550+/-1.118 χ^2/NDF:620276.8/22

Left: 6733.914+/-0.784 χ^2/NDF: 1023536.8/47

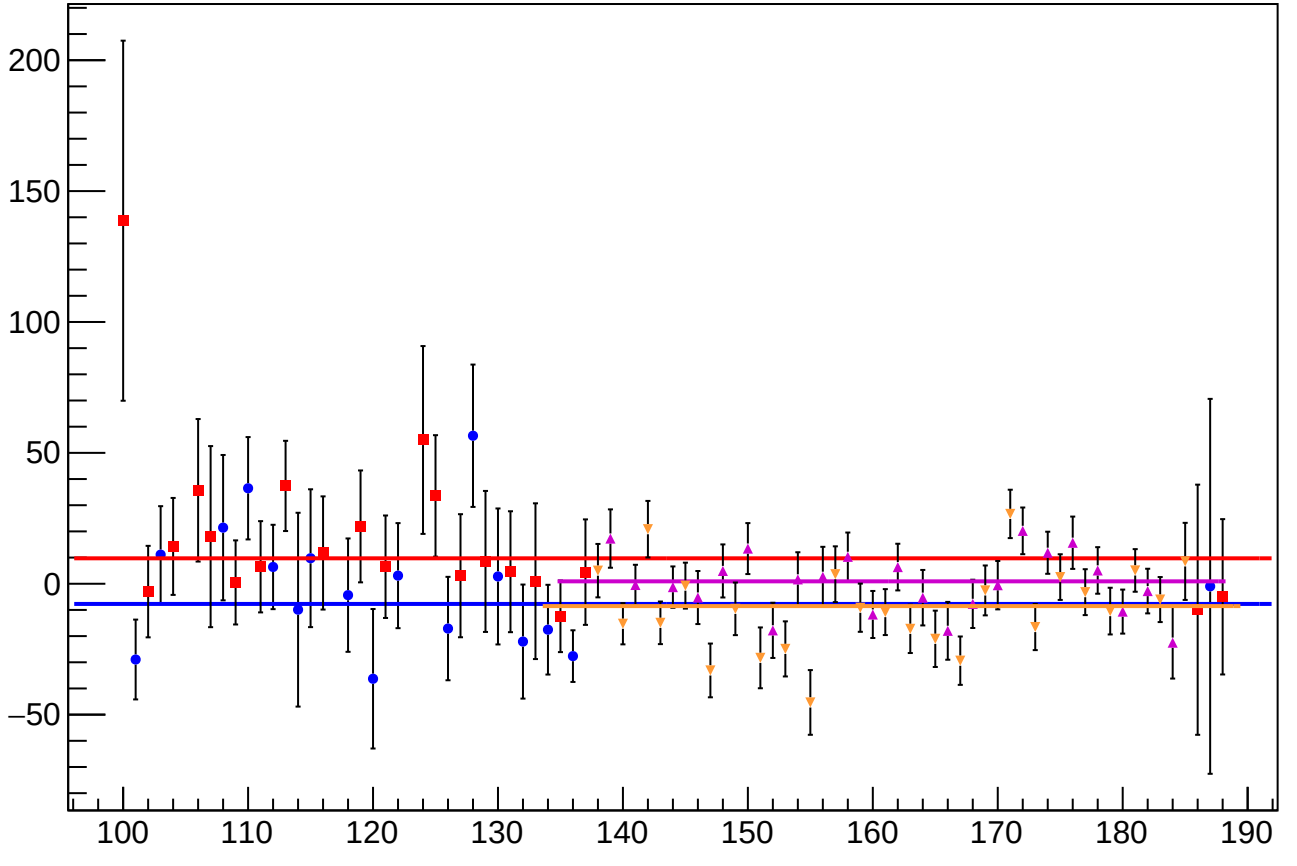
Right: 7627.498+/-1.405 χ^2/NDF: 2587730.0/37

In: 6907.479+/-0.983 χ^2/NDF:1840759.3/39

Out: 6981.983+/-0.954 χ^2/NDF:2075918.5/45

All: 6945.870+/-0.684 χ^2/NDF: 3919637.0/85

diff_bpm4eX_mean vs Slug, Sign Corrected



Right In: -7.711+/-4.738 χ^2/NDF: 22.7/16

Left Out: -8.536+/-1.897 χ^2/NDF:61.9/24

Right Out: 9.715+/-4.753 χ^2/NDF: 14.3/20

Left In: 0.919+/-1.969 χ^2/NDF:29.1/22

Left: -3.985+/-1.366 χ^2/NDF: 103.0/47

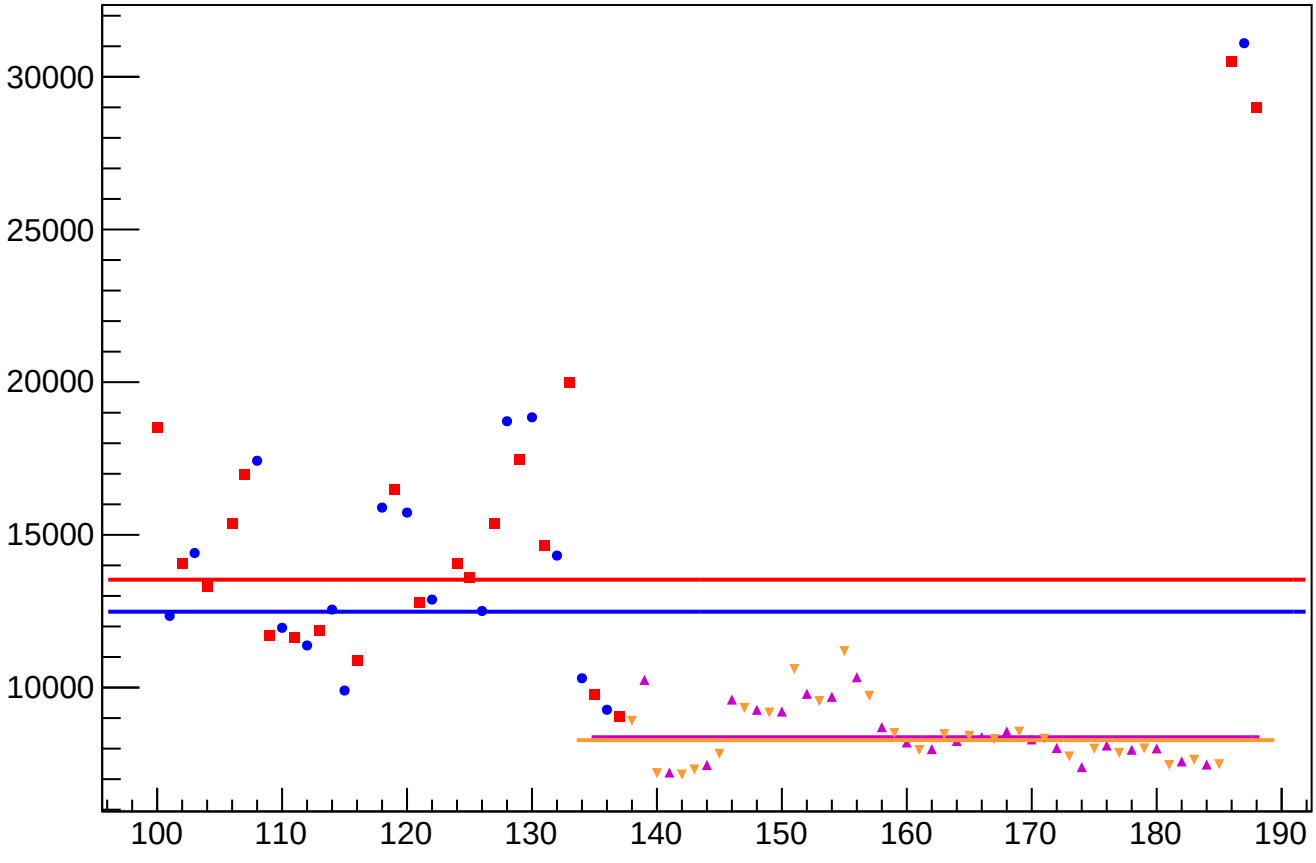
Right: 0.974+/-3.355 χ^2/NDF: 43.8/37

In: -0.352+/-1.818 χ^2/NDF:54.6/39

Out: -6.029+/-1.762 χ^2/NDF:89.0/45

All: -3.280+/-1.265 χ^2/NDF: 148.6/85

diff_bpm4eX_rms vs Slug, Sign Corrected



Right In: 12483.609+/-3.350 χ^2/NDF: 814061.1/16

Left Out: 8277.768+/-1.341 χ^2/NDF:455108.5/24

Right Out: 13532.747+/-3.361 χ^2/NDF: 1379980.0/20

Left In: 8372.363+/-1.392 χ^2/NDF:392872.1/22

Left: 8323.298+/-0.966 χ^2/NDF: 850375.1/47

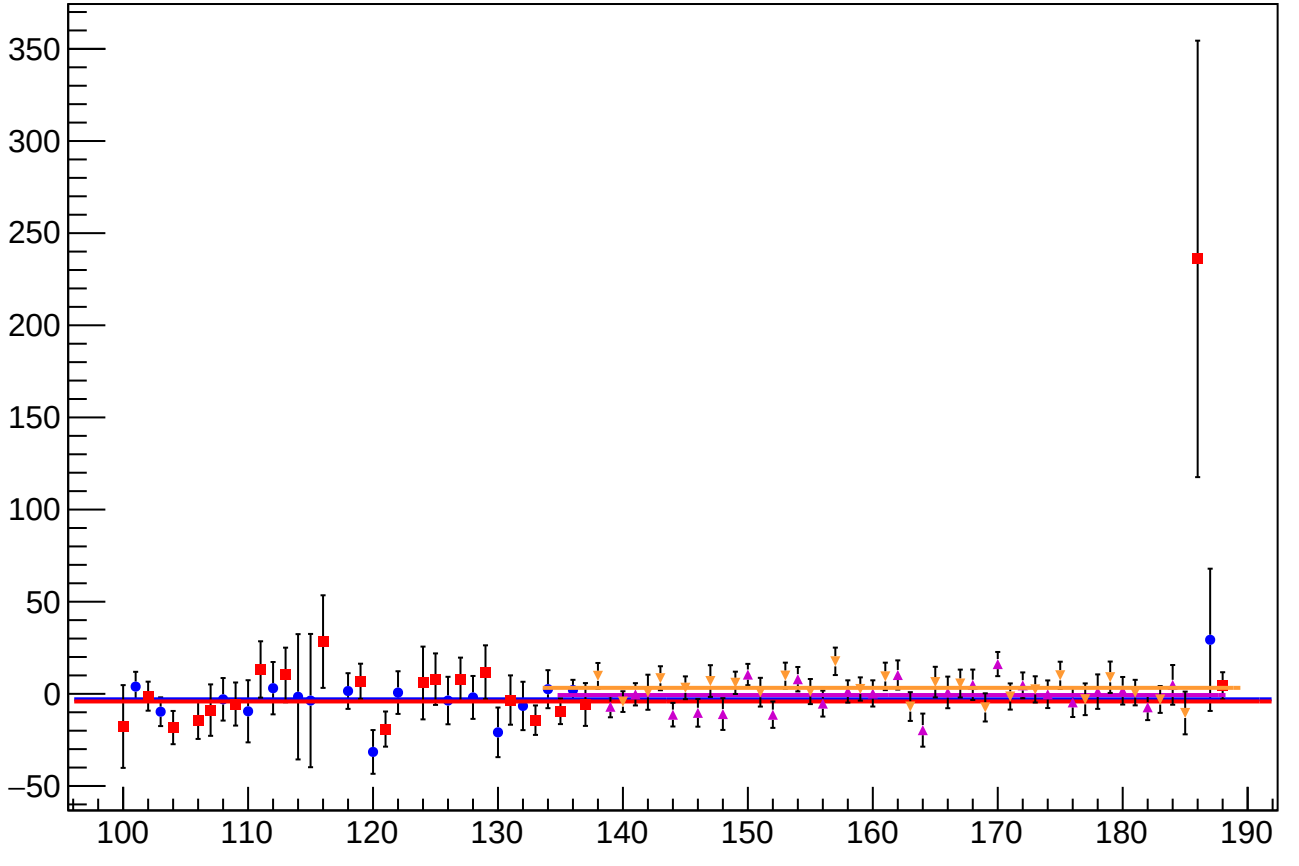
Right: 13006.504+/-2.373 χ^2/NDF: 2242921.1/37

In: 8977.828+/-1.286 χ^2/NDF:2491161.4/39

Out: 8999.633+/-1.246 χ^2/NDF:3944102.8/45

All: 8989.075+/-0.895 χ^2/NDF: 6435412.5/85

diff_bpm4eY_mean vs Slug, Sign Corrected



Right In: -2.970+/-2.649 χ^2/NDF: 11.6/16

Left Out: 3.255+/-1.457 χ^2/NDF:17.6/24

Right Out: -4.134+/-2.412 χ^2/NDF: 22.5/20

Left In: -0.645+/-1.499 χ^2/NDF:30.8/22

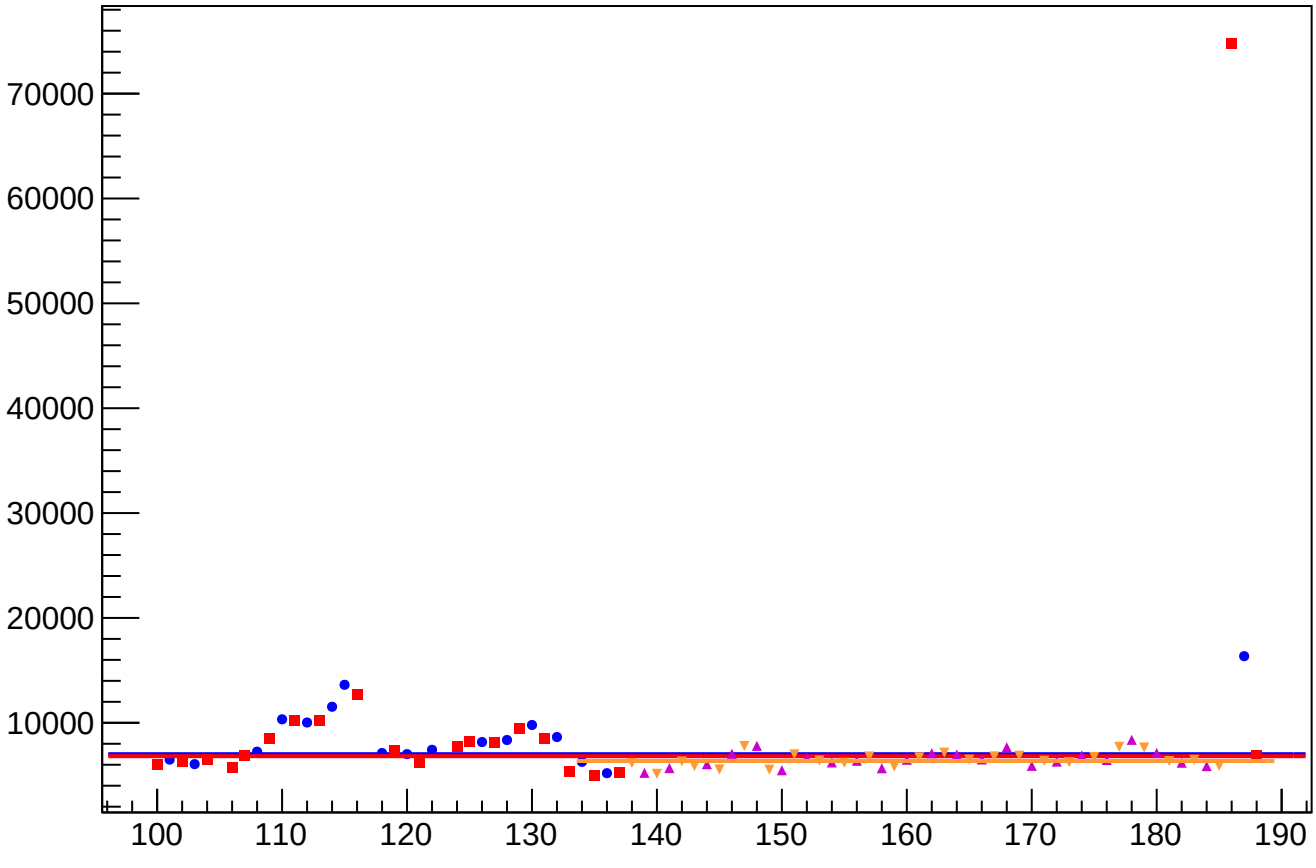
Left: 1.360+/-1.045 χ^2/NDF: 51.9/47

Right: -3.607+/-1.784 χ^2/NDF: 34.2/37

In: -1.209+/-1.305 χ^2/NDF:42.9/39

Out: 1.279+/-1.247 χ^2/NDF:47.0/45

All: 0.091+/-0.902 χ^2/NDF: 91.9/85



Right In: 7005.865+/-1.873 χ^2/NDF: 814309.4/16

Left Out: 6357.608+/-1.030 χ^2/NDF:414119.5/24

Right Out: 6814.175+/-1.705 χ^2/NDF: 1457887.8/20

Left In: 6359.907+/-1.060 χ^2/NDF:473875.4/22

Left: 6358.725+/-0.739 χ^2/NDF: 887997.3/47

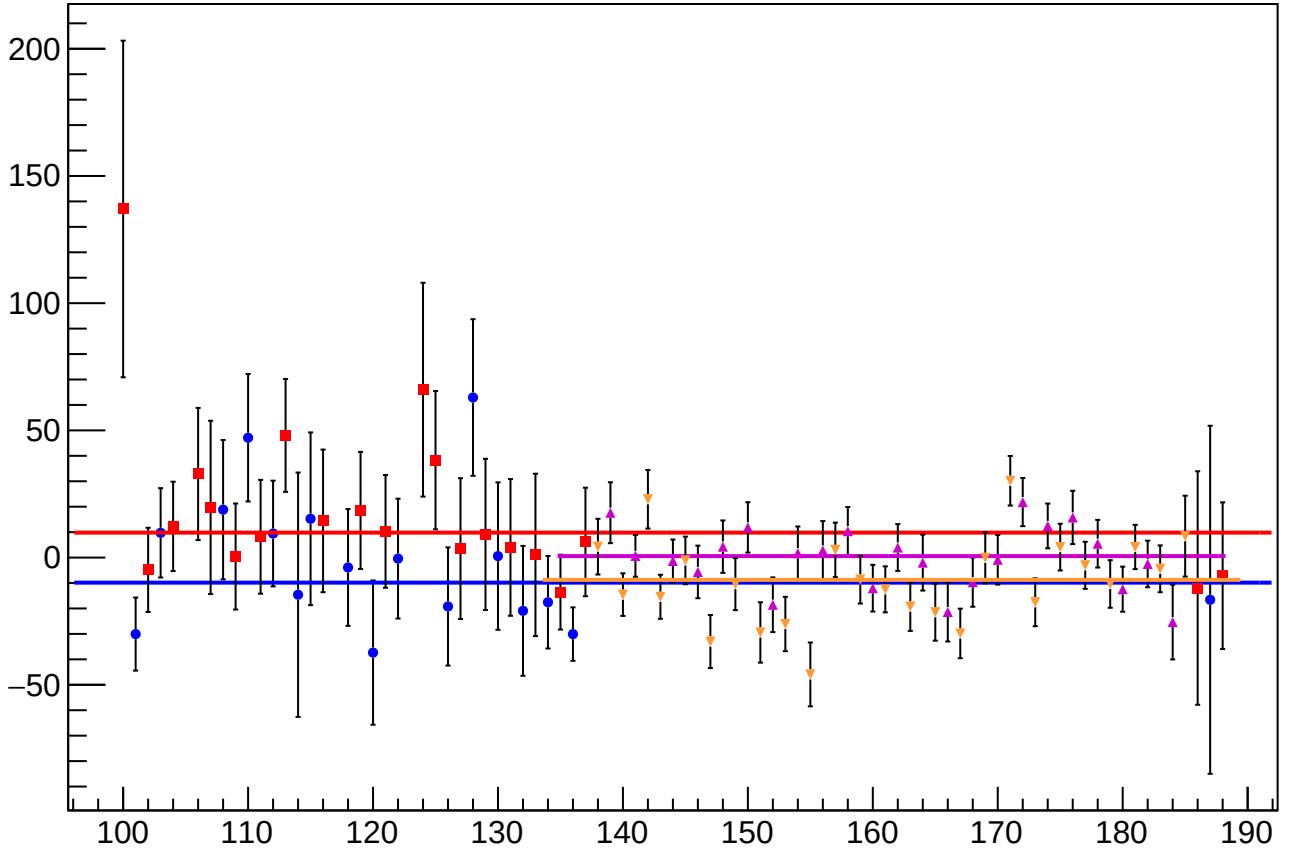
Right: 6901.046+/-1.261 χ^2/NDF: 2277922.1/37

In: 6516.584+/-0.923 χ^2/NDF:1378237.4/39

Out: 6479.692+/-0.882 χ^2/NDF:1924509.2/45

All: 6497.306+/-0.638 χ^2/NDF: 3303582.1/85

diff_bpm4acX_mean vs Slug, Sign Corrected



Right In: -9.849+/-5.163 χ^2/NDF: 22.1/16

Left Out: -8.767+/-1.987 χ^2/NDF:62.7/24

Right Out: 9.814+/-5.254 χ^2/NDF: 14.9/20

Left In: 0.579+/-2.059 χ^2/NDF:29.6/22

Left: -4.260+/-1.430 χ^2/NDF: 102.9/47

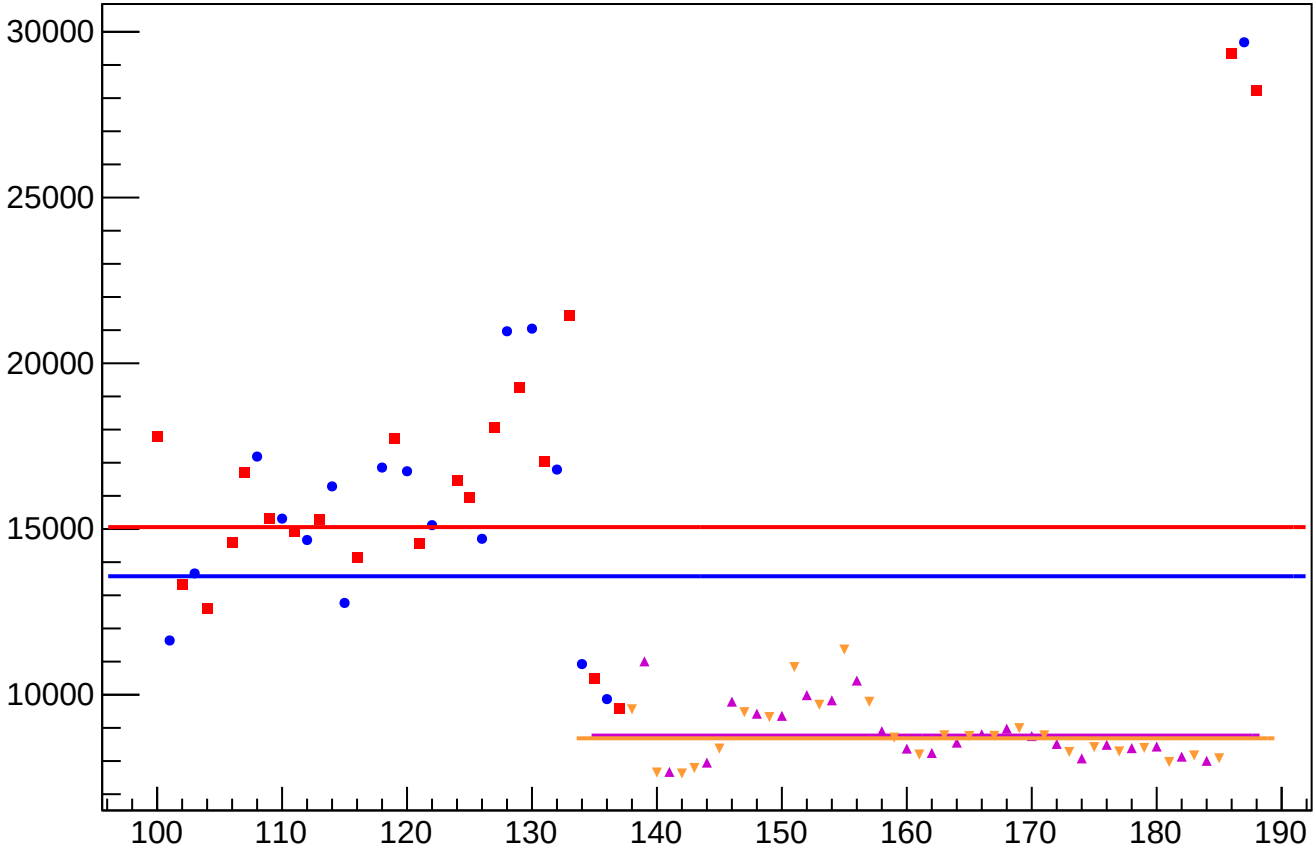
Right: -0.190+/-3.683 χ^2/NDF: 44.1/37

In: -0.852+/-1.913 χ^2/NDF:55.1/39

Out: -6.442+/-1.859 χ^2/NDF:88.6/45

All: -3.727+/-1.333 χ^2/NDF: 148.1/85

diff_bpm4acX_rms vs Slug, Sign Corrected



Right In: 13575.204+/-3.651 χ^2/NDF: 855284.4/16

Left Out: 8686.048+/-1.405 χ^2/NDF:340655.6/24

Right Out: 15058.123+/-3.715 χ^2/NDF: 1194045.6/20

Left In: 8767.705+/-1.456 χ^2/NDF:295552.8/22

Left: 8725.421+/-1.011 χ^2/NDF: 637837.1/47

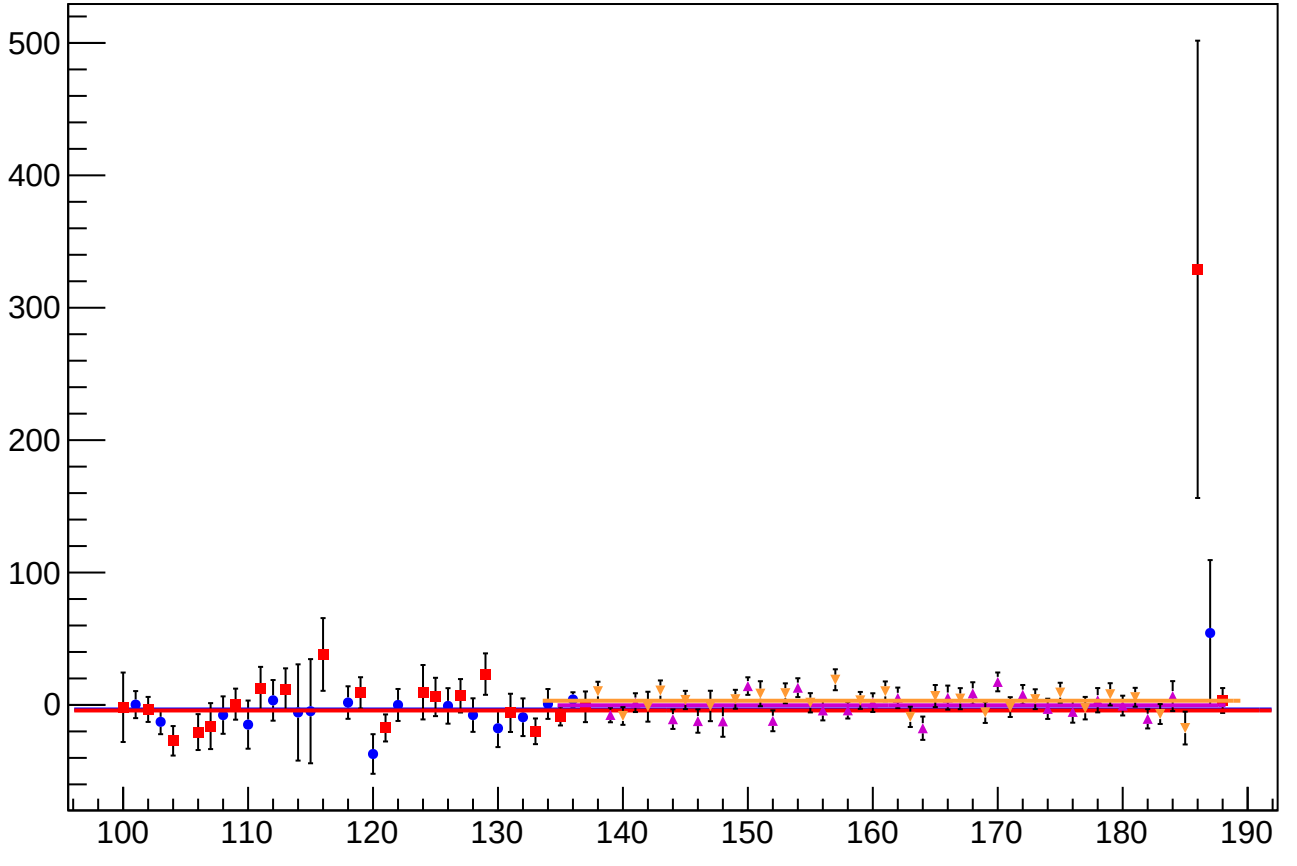
Right: 14303.681+/-2.604 χ^2/NDF: 2130372.2/37

In: 9427.378+/-1.352 χ^2/NDF:2646788.2/39

Out: 9483.233+/-1.314 χ^2/NDF:4107966.4/45

All: 9456.107+/-0.943 χ^2/NDF: 6755631.9/85

diff_bpm4acY_mean vs Slug, Sign Corrected



Right In: -3.441+/-2.936 χ^2/NDF: 11.6/16

Left Out: 3.171+/-1.562 χ^2/NDF:21.7/24

Right Out: -4.176+/-2.731 χ^2/NDF: 25.8/20

Left In: -0.269+/-1.590 χ^2/NDF:34.2/22

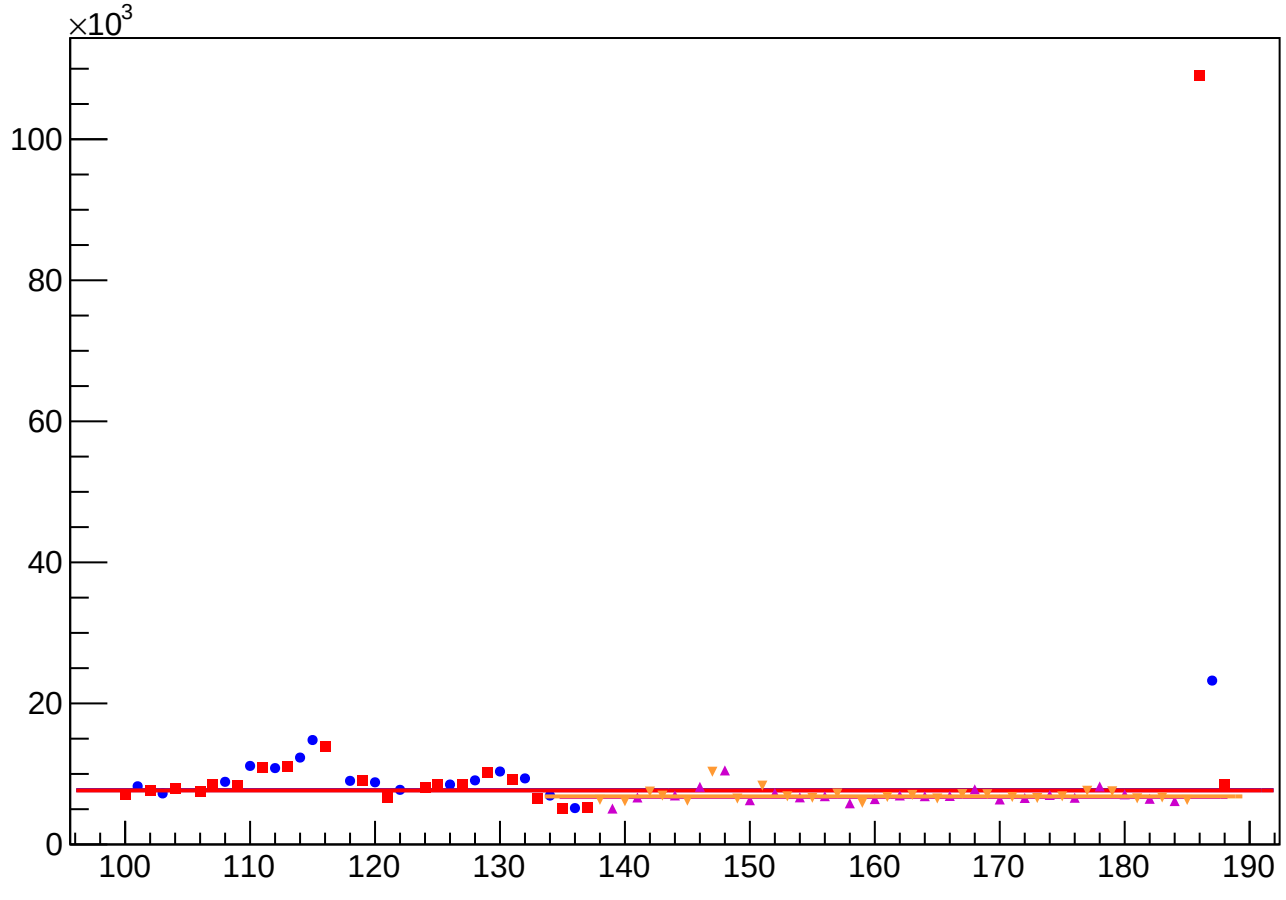
Left: 1.482+/-1.114 χ^2/NDF: 58.3/47

Right: -3.835+/-2.000 χ^2/NDF: 37.4/37

In: -0.988+/-1.398 χ^2/NDF:46.7/39

Out: 1.361+/-1.356 χ^2/NDF:52.9/45

All: 0.222+/-0.973 χ^2/NDF: 101.1/85



Right In: 7700.114+/-2.076 χ^2/NDF: 1039357.8/16

Left Out: 6812.964+/-1.104 χ^2/NDF:394620.8/24

Right Out: 7661.120+/-1.931 χ^2/NDF: 1516732.7/20

Left In: 6727.864+/-1.124 χ^2/NDF:610037.3/22

Left: 6771.179+/-0.788 χ^2/NDF: 1007573.6/47

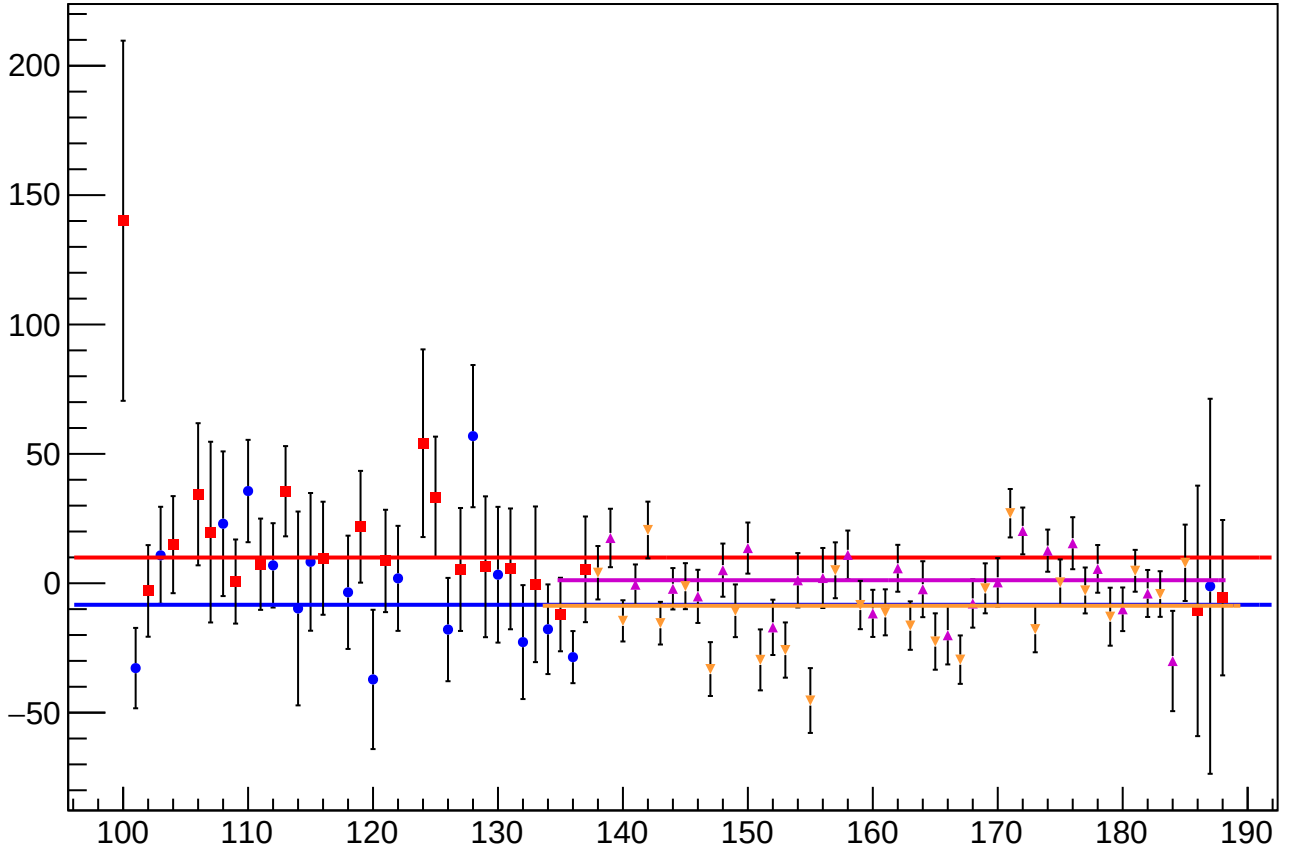
Right: 7679.213+/-1.414 χ^2/NDF: 2556279.6/37

In: 6948.410+/-0.989 χ^2/NDF:1818989.6/39

Out: 7021.942+/-0.959 χ^2/NDF:2056677.1/45

All: 6986.308+/-0.688 χ^2/NDF: 3878517.4/85

diff_bpm4ecX_mean vs Slug, Sign Corrected



Right In: -8.320+/-4.803 χ^2/NDF: 23.3/16

Left Out: -8.692+/-1.936 χ^2/NDF:61.4/24

Right Out: 9.946+/-4.822 χ^2/NDF: 13.4/20

Left In: 1.174+/-2.012 χ^2/NDF:28.6/22

Left: -3.950+/-1.395 χ^2/NDF: 102.4/47

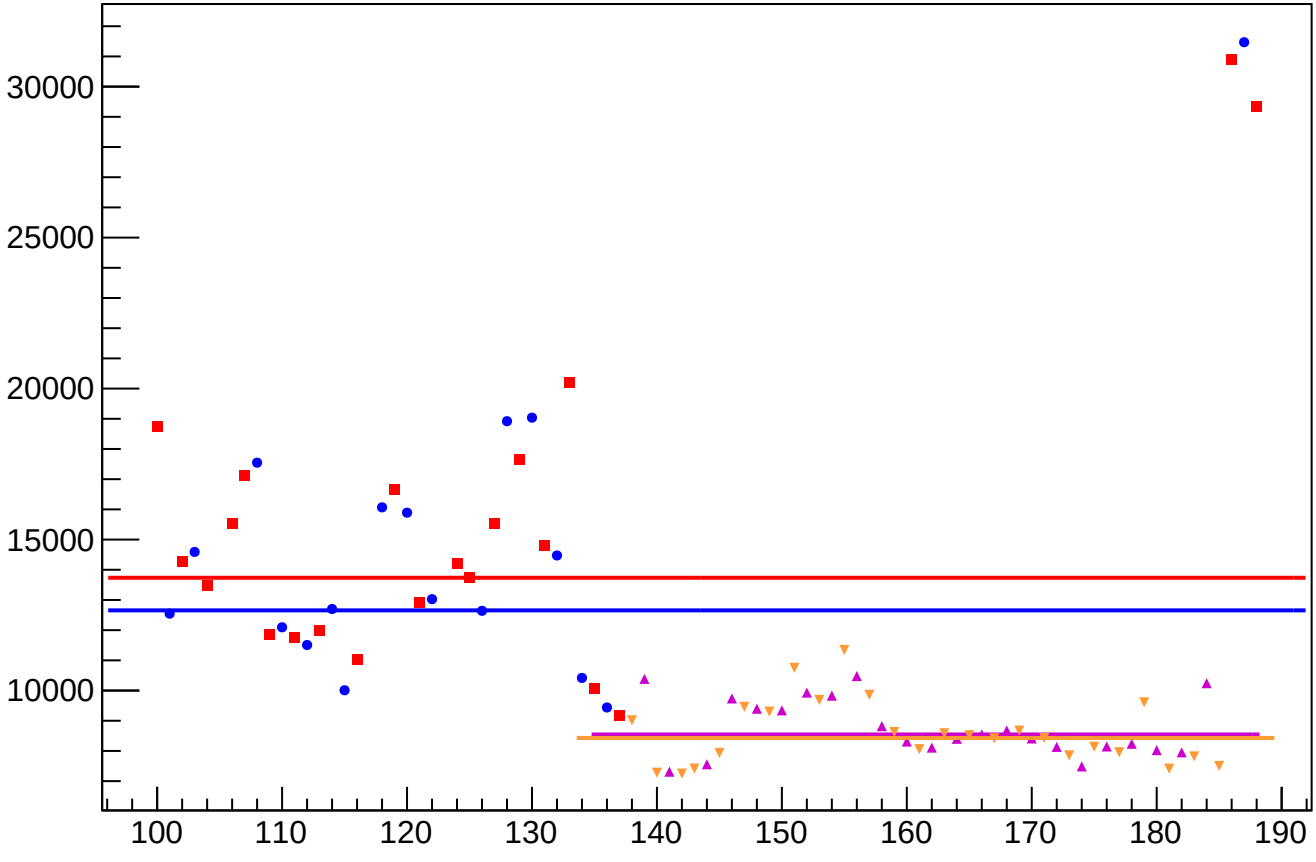
Right: 0.776+/-3.403 χ^2/NDF: 43.8/37

In: -0.244+/-1.856 χ^2/NDF:55.1/39

Out: -6.105+/-1.797 χ^2/NDF:87.6/45

All: -3.270+/-1.291 χ^2/NDF: 147.9/85

diff_bpm4ecX_rms vs Slug, Sign Corrected



Right In: 12655.608+/-3.396 χ^2/NDF: 800446.4/16

Left Out: 8430.683+/-1.369 χ^2/NDF:484653.2/24

Right Out: 13735.392+/-3.410 χ^2/NDF: 1355842.6/20

Left In: 8545.534+/-1.423 χ^2/NDF:389747.0/22

Left: 8485.892+/-0.987 χ^2/NDF: 877783.2/47

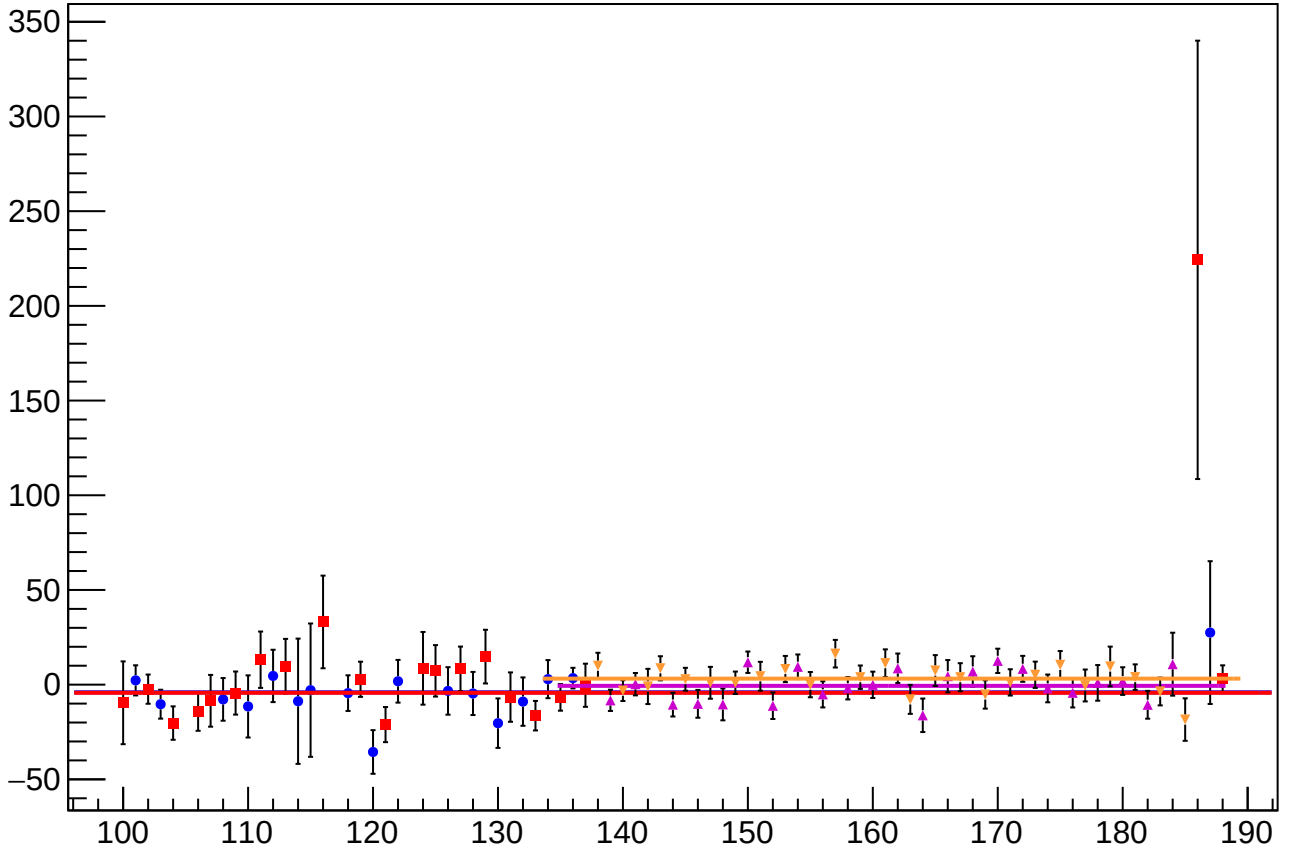
Right: 13193.344+/-2.406 χ^2/NDF: 2206625.3/37

In: 9159.263+/-1.312 χ^2/NDF:2435969.0/39

Out: 9167.082+/-1.270 χ^2/NDF:3924626.3/45

All: 9163.300+/-0.913 χ^2/NDF: 6360613.7/85

diff_bpm4ecY_mean vs Slug, Sign Corrected



Right In: -4.054+/-2.594 χ^2/NDF: 14.6/16

Left Out: 3.185+/-1.435 χ^2/NDF:18.7/24

Right Out: -4.291+/-2.362 χ^2/NDF: 24.8/20

Left In: -0.633+/-1.482 χ^2/NDF:31.8/22

Left: 1.337+/-1.031 χ^2/NDF: 53.9/47

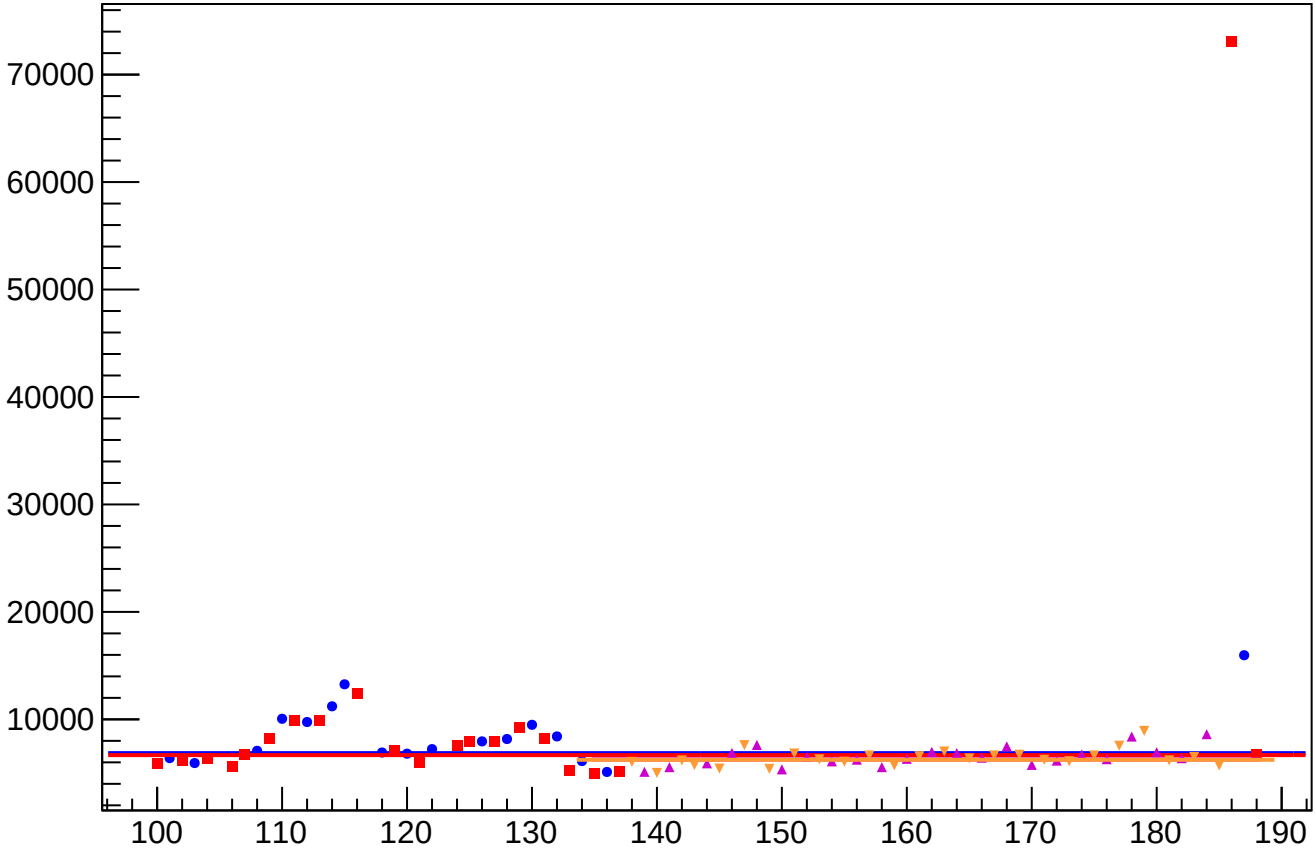
Right: -4.183+/-1.746 χ^2/NDF: 39.4/37

In: -1.475+/-1.287 χ^2/NDF:47.7/39

Out: 1.170+/-1.226 χ^2/NDF:50.8/45

All: -0.089+/-0.888 χ^2/NDF: 100.7/85

diff_bpm4ecY_rms vs Slug, Sign Corrected



Right In: 6857.636+/-1.834 χ^2/NDF: 791473.1/16

Left Out: 6237.931+/-1.015 χ^2/NDF:507726.8/24

Right Out: 6672.258+/-1.670 χ^2/NDF: 1422410.7/20

Left In: 6268.263+/-1.048 χ^2/NDF:524326.6/22

Left: 6252.609+/-0.729 χ^2/NDF: 1032485.9/47

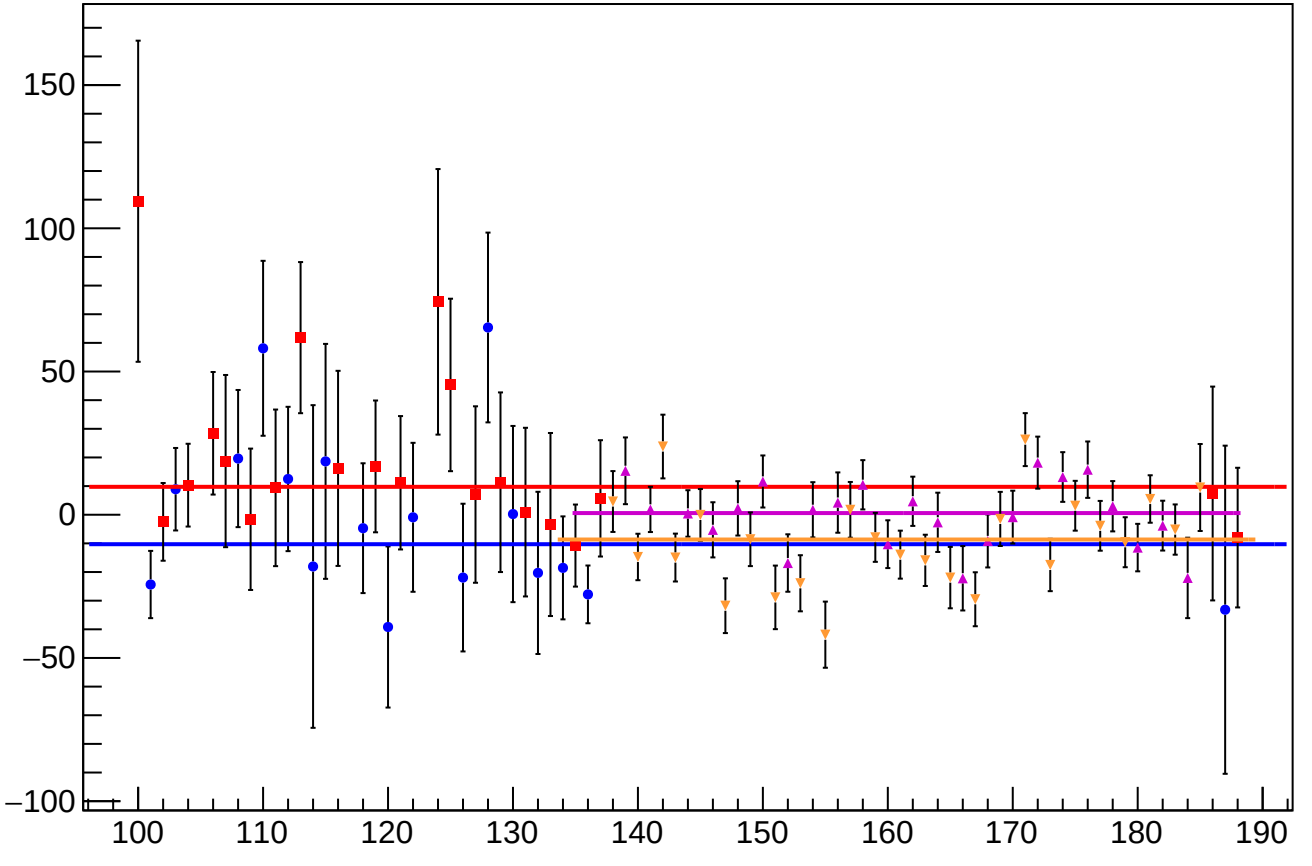
Right: 6756.280+/-1.235 χ^2/NDF: 2219467.7/37

In: 6413.243+/-0.910 χ^2/NDF:1393636.7/39

Out: 6355.000+/-0.867 χ^2/NDF:1979536.1/45

All: 6382.723+/-0.628 χ^2/NDF: 3375320.2/85

diff_bpm1X_mean vs Slug, Sign Corrected



Right In: -10.288+/-4.998 χ^2/NDF: 21.4/16

Left Out: -8.650+/-1.875 χ^2/NDF:63.0/24

Right Out: 9.746+/-5.109 χ^2/NDF: 15.3/20

Left In: 0.583+/-1.939 χ^2/NDF:28.5/22

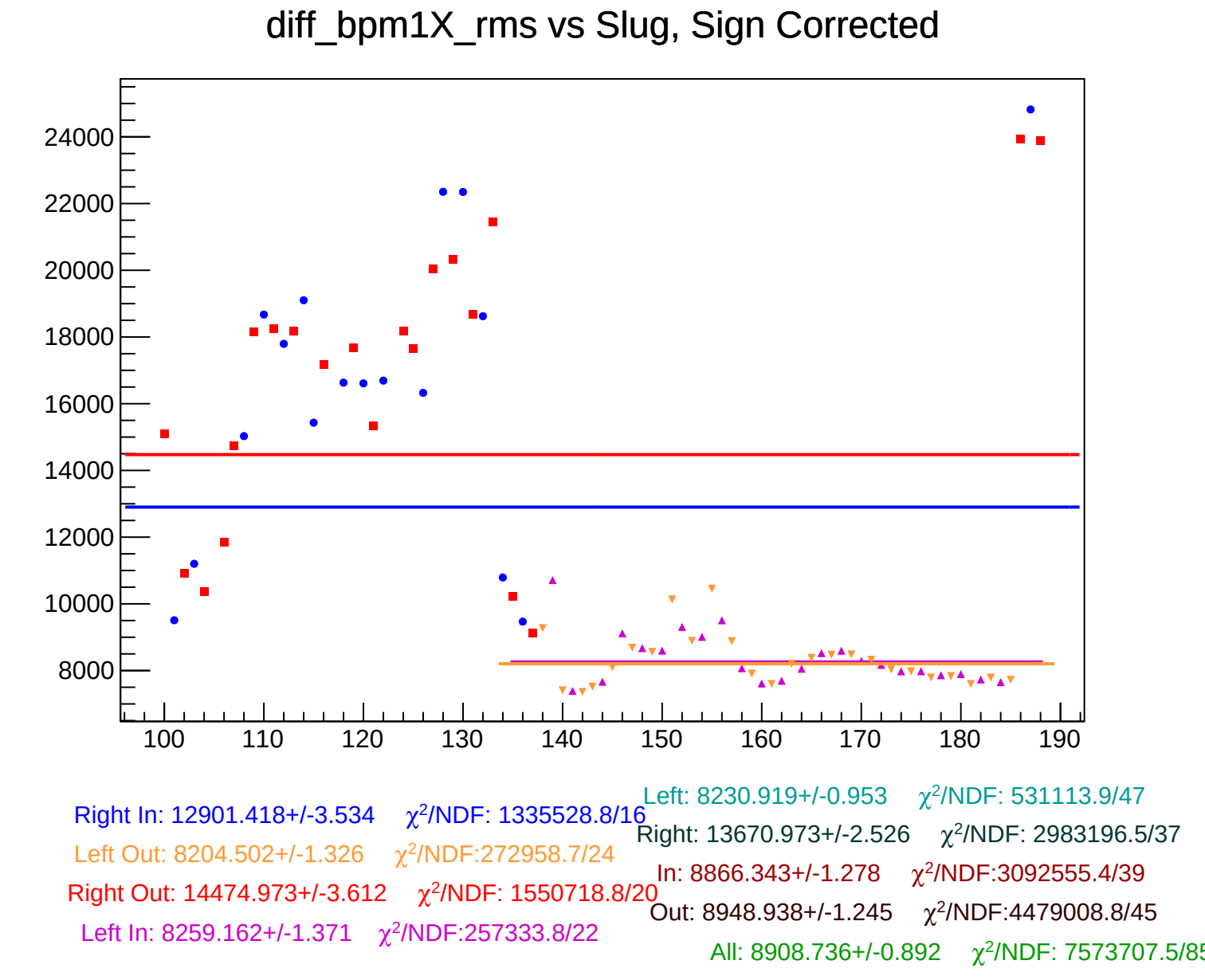
Left: -4.188+/-1.348 χ^2/NDF: 103.3/47

Right: -0.490+/-3.573 χ^2/NDF: 44.6/37

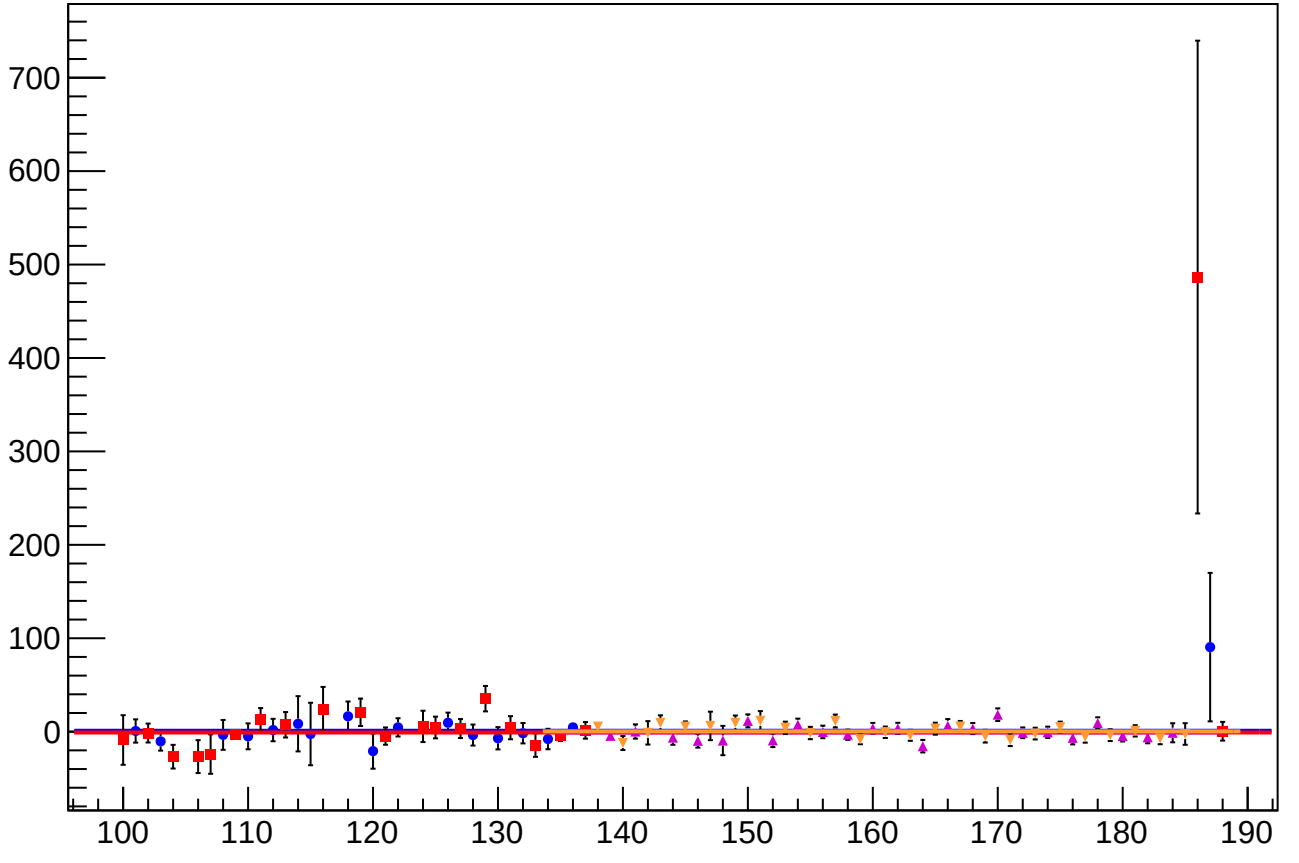
In: -0.839+/-1.808 χ^2/NDF:54.0/39

Out: -6.466+/-1.760 χ^2/NDF:89.8/45

All: -3.727+/-1.261 χ^2/NDF: 148.8/85


diff_bpm1X_rms vs Slug, Sign Corrected
24000
22000
20000
18000
16000
14000
12000
10000
8000
100
110
120
130
140
150
160
170
180
190
Right In: 12901.418+/-3.534 χ²/NDF: 1335528.8/16
Left Out: 8204.502+/-1.326 χ²/NDF:272958.7/24
Right Out: 14474.973+/-3.612 χ²/NDF: 1550718.8/20
Left In: 8259.162+/-1.371 χ²/NDF:257333.8/22
Left: 8230.919+/-0.953 χ²/NDF: 531113.9/47
Right: 13670.973+/-2.526 χ²/NDF: 2983196.5/37
In: 8866.343+/-1.278 χ²/NDF:3092555.4/39
Out: 8948.938+/-1.245 χ²/NDF:4479008.8/45
All: 8908.736+/-0.892 χ²/NDF: 7573707.5/85

diff_bpm1Y_mean vs Slug, Sign Corrected



Right In: 0.975+/-2.565 χ^2/NDF: 8.1/16

Left Out: 0.353+/-1.322 χ^2/NDF:21.5/24

Right Out: -0.893+/-2.254 χ^2/NDF: 26.0/20

Left In: -0.709+/-1.291 χ^2/NDF:29.9/22

Left: -0.191+/-0.924 χ^2/NDF: 51.7/47

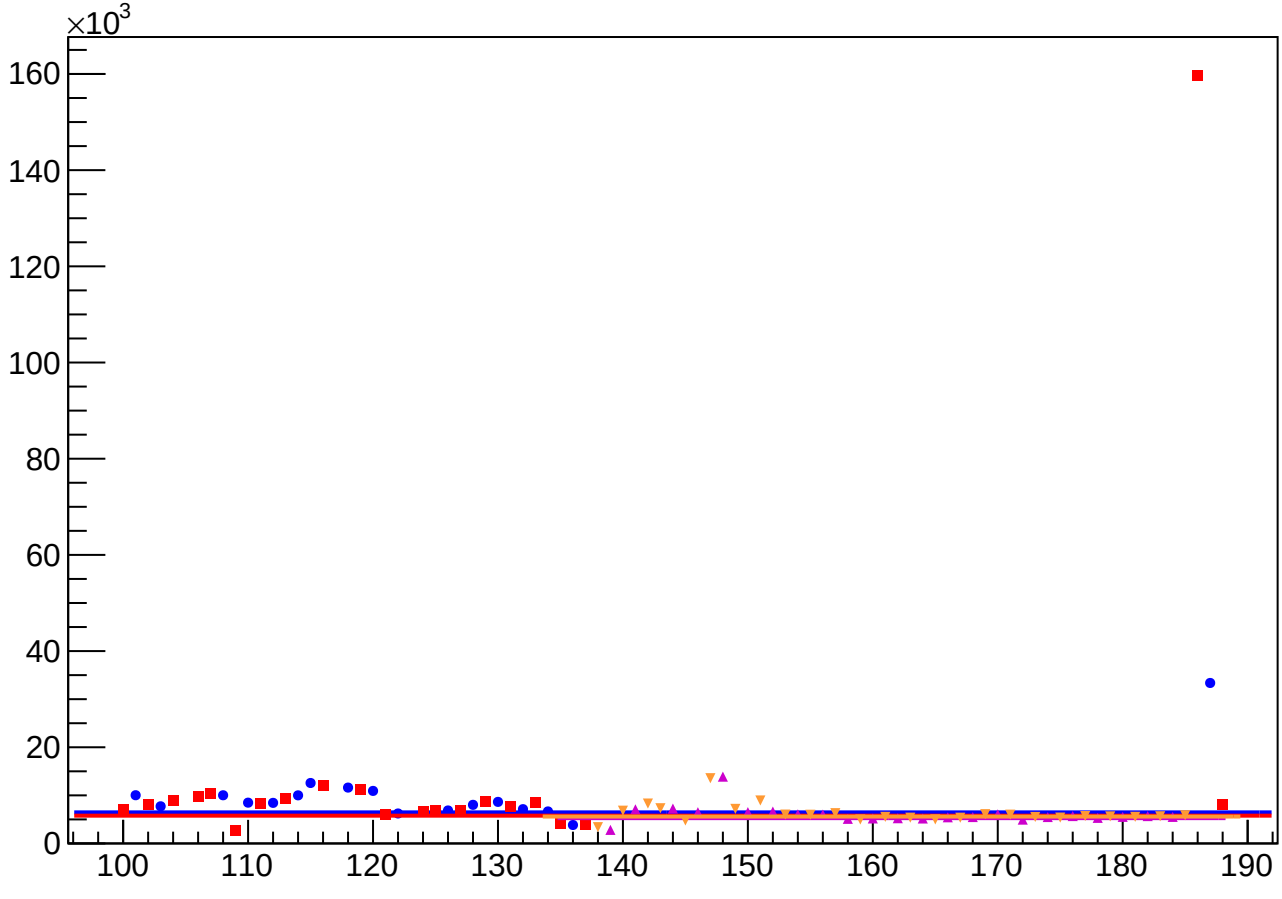
Right: -0.079+/-1.693 χ^2/NDF: 34.4/37

In: -0.369+/-1.153 χ^2/NDF:38.3/39

Out: 0.034+/-1.140 χ^2/NDF:47.8/45

All: -0.165+/-0.811 χ^2/NDF: 86.2/85

diff_bpm1Y_rms vs Slug, Sign Corrected



Right In: 6462.614+/-1.814 χ^2/NDF: 1980148.0/16

Left Out: 5594.503+/-0.935 χ^2/NDF:1784259.1/24

Right Out: 5777.809+/-1.594 χ^2/NDF: 3440884.0/20

Left In: 5262.754+/-0.913 χ^2/NDF:2425604.2/22

Left: 5424.765+/-0.653 χ^2/NDF: 4274340.6/47

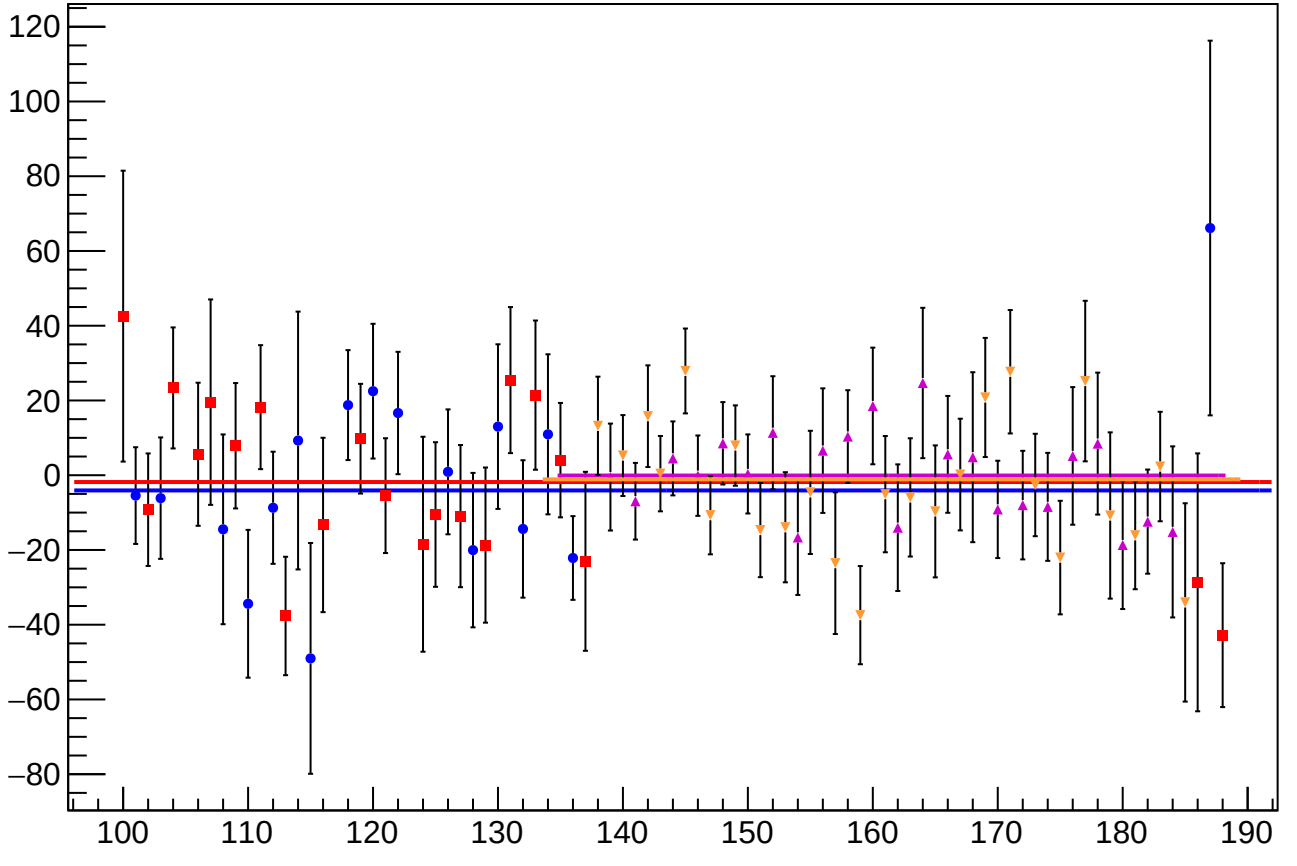
Right: 6076.295+/-1.197 χ^2/NDF: 5501469.3/37

In: 5505.367+/-0.815 χ^2/NDF:4754972.0/39

Out: 5641.388+/-0.806 χ^2/NDF:5234983.8/45

All: 5574.157+/-0.573 χ^2/NDF: 10004025.7/8

diff_bpm11X_mean vs Slug, Sign Corrected



Right In: -4.072+/-4.338 χ^2/NDF: 17.8/16

Left Out: -1.111+/-2.813 χ^2/NDF:33.8/24

Right Out: -1.824+/-4.135 χ^2/NDF: 23.4/20

Left In: -0.084+/-2.926 χ^2/NDF:11.5/22

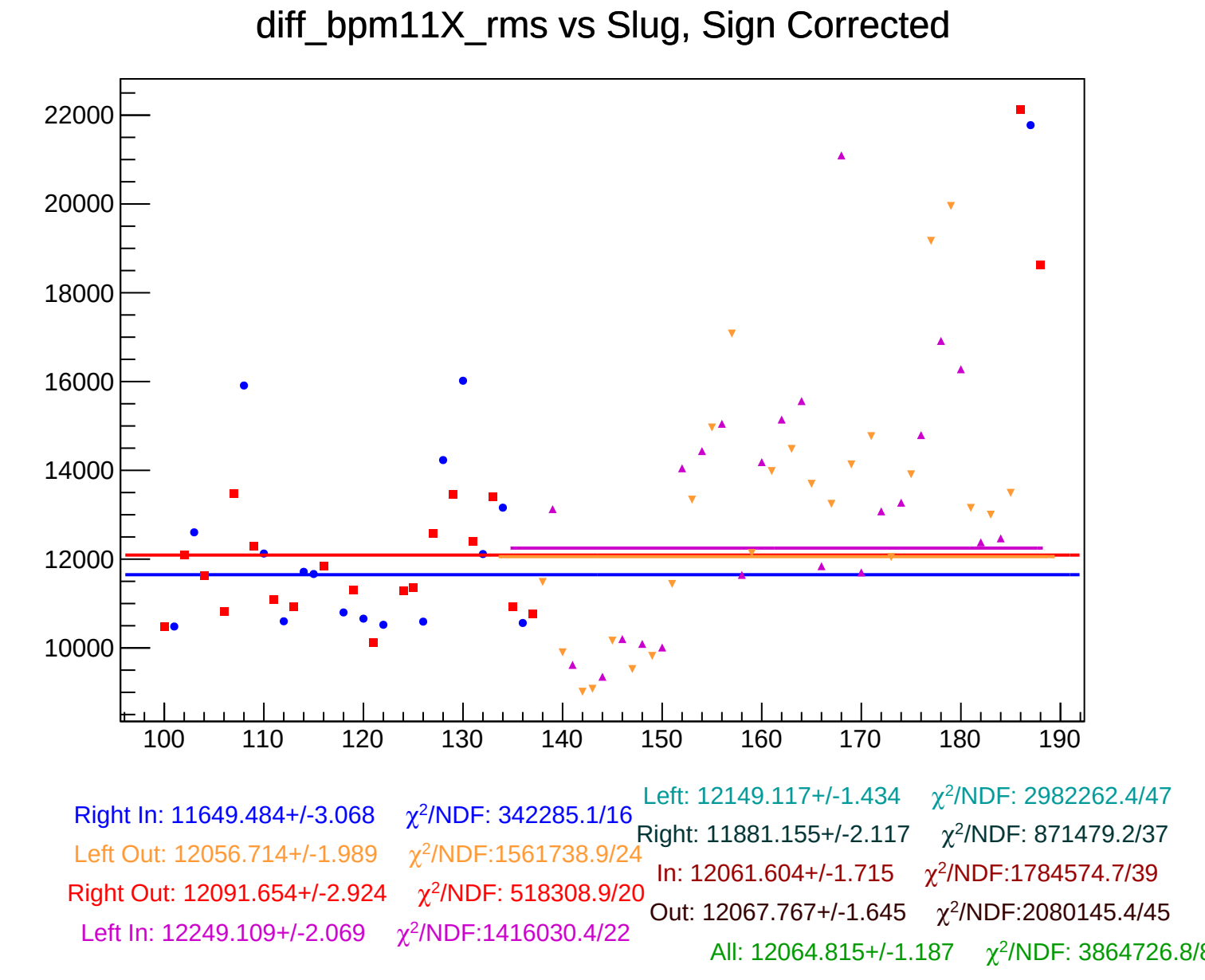
Left: -0.618+/-2.028 χ^2/NDF: 45.3/47

Right: -2.894+/-2.993 χ^2/NDF: 41.2/37

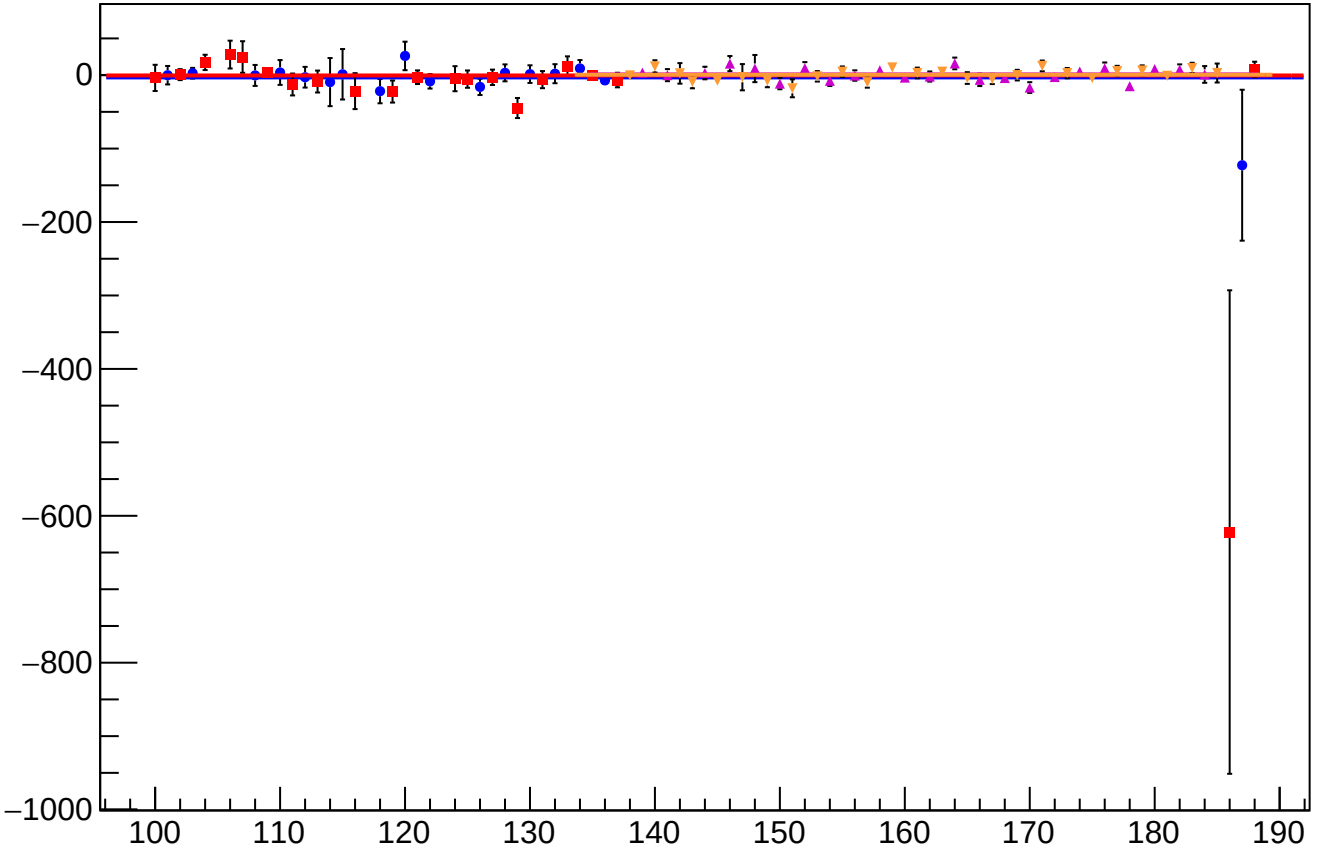
In: -1.331+/-2.426 χ^2/NDF:29.8/39

Out: -1.337+/-2.326 χ^2/NDF:57.1/45

All: -1.334+/-1.679 χ^2/NDF: 86.9/85


diff_bpm11X_rms vs Slug, Sign Corrected
22000
20000
18000
16000
14000
12000
10000
100
110
120
130
140
150
160
170
180
190
Right In: 11649.484+/-3.068 χ²/NDF: 342285.1/16
Left Out: 12056.714+/-1.989 χ²/NDF:1561738.9/24
Right Out: 12091.654+/-2.924 χ²/NDF: 518308.9/20
Left In: 12249.109+/-2.069 χ²/NDF:1416030.4/22
Left: 12149.117+/-1.434 χ²/NDF: 2982262.4/47
Right: 11881.155+/-2.117 χ²/NDF: 871479.2/37
In: 12061.604+/-1.715 χ²/NDF:1784574.7/39
Out: 12067.767+/-1.645 χ²/NDF:2080145.4/45
All: 12064.815+/-1.187 χ²/NDF: 3864726.8/8

diff_bpm11Y_mean vs Slug, Sign Corrected



Right In: -3.094+/-2.653 χ^2/NDF: 10.0/16

Left Out: 0.526+/-1.369 χ^2/NDF:21.4/24

Right Out: -0.454+/-2.295 χ^2/NDF: 28.0/20

Left In: 0.946+/-1.294 χ^2/NDF:32.2/22

Left: 0.748+/-0.940 χ^2/NDF: 53.7/47

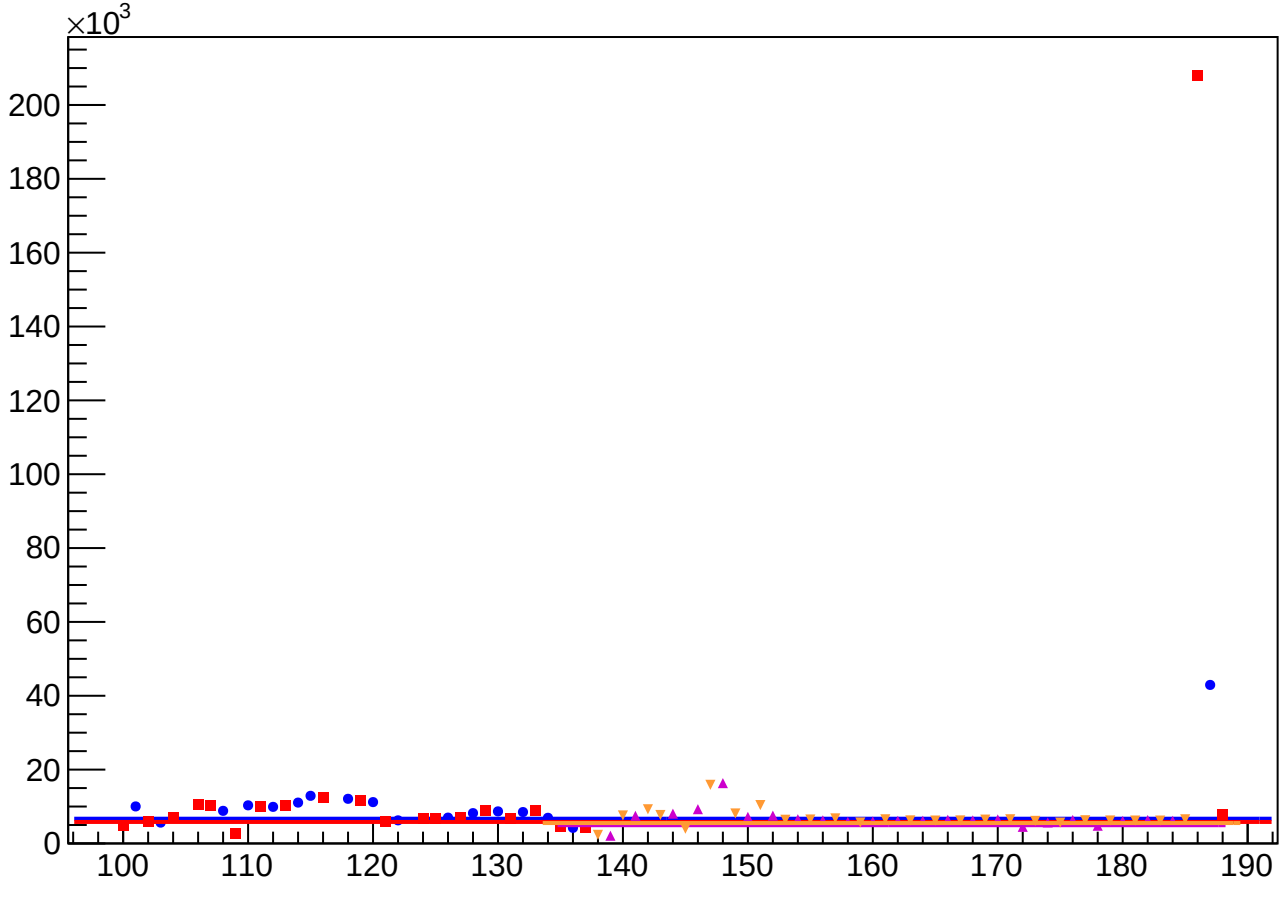
Right: -1.584+/-1.736 χ^2/NDF: 38.6/37

In: 0.169+/-1.163 χ^2/NDF:44.1/39

Out: 0.269+/-1.176 χ^2/NDF:49.6/45

All: 0.219+/-0.827 χ^2/NDF: 93.7/85

diff_bpm11Y_rms vs Slug, Sign Corrected



Right In: 6701.097+/-1.876 χ^2/NDF: 1821792.0/16

Left Out: 5527.971+/-0.968 χ^2/NDF:4375722.1/24

Right Out: 5823.560+/-1.623 χ^2/NDF: 3136883.3/20

Left In: 4941.993+/-0.915 χ^2/NDF:5936108.3/22

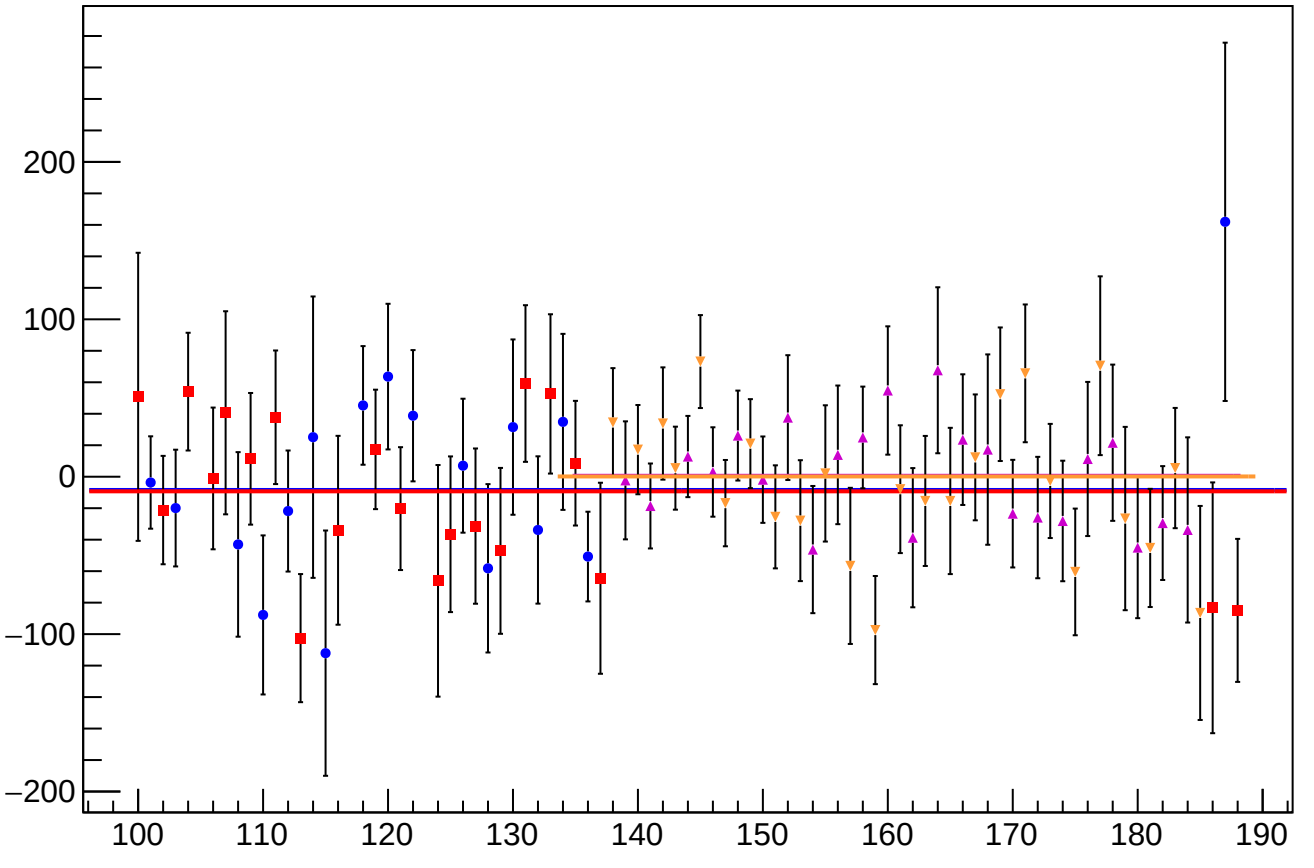
Left: 5218.619+/-0.665 χ^2/NDF: 10505353.1/47

Right: 6199.157+/-1.227 χ^2/NDF: 5083829.7/37

In: 5280.169+/-0.823 χ^2/NDF:8468119.7/39

Out: 5605.522+/-0.831 χ^2/NDF:7537078.0/45

All: 5441.138+/-0.585 χ^2/NDF: 16082603.2/8



Right In: -8.425+/-10.787 χ^2/NDF: 17.6/16

Left Out: 0.168+/-7.375 χ^2/NDF:31.1/24

Right Out: -9.279+/-10.270 χ^2/NDF: 21.2/20

Left In: 0.586+/-7.667 χ^2/NDF:12.8/22

Left: 0.369+/-5.315 χ^2/NDF: 43.9/47

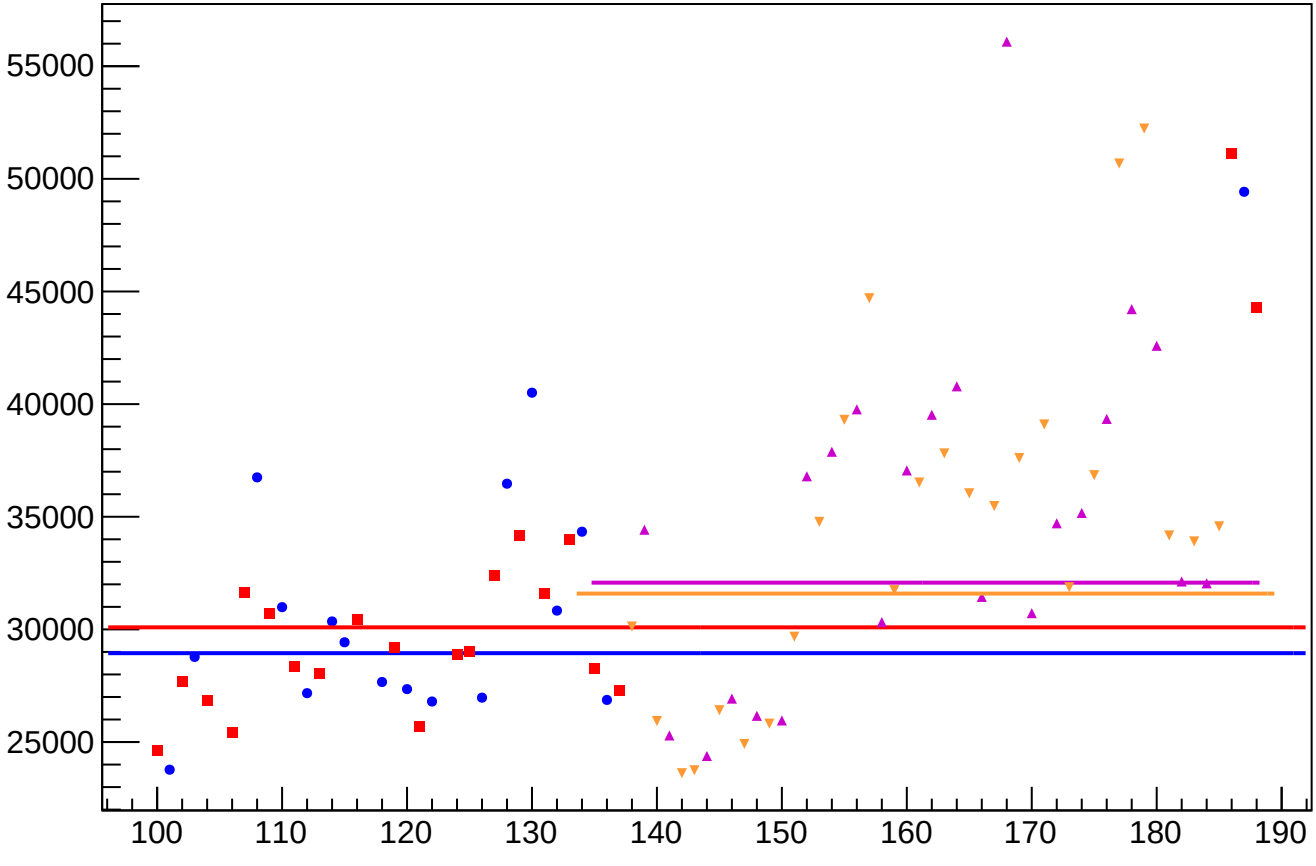
Right: -8.873+/-7.438 χ^2/NDF: 38.7/37

In: -2.438+/-6.249 χ^2/NDF:30.8/39

Out: -3.046+/-5.990 χ^2/NDF:52.9/45

All: -2.755+/-4.324 χ^2/NDF: 83.7/85

diff_bpm12X_rms vs Slug, Sign Corrected



Right In: 28944.726+/-7.628 χ^2/NDF: 342982.3/16

Left Out: 31589.841+/-5.215 χ^2/NDF:1590867.7/24

Right Out: 30090.592+/-7.262 χ^2/NDF: 464475.8/20

Left In: 32075.078+/-5.421 χ^2/NDF:1455714.6/22

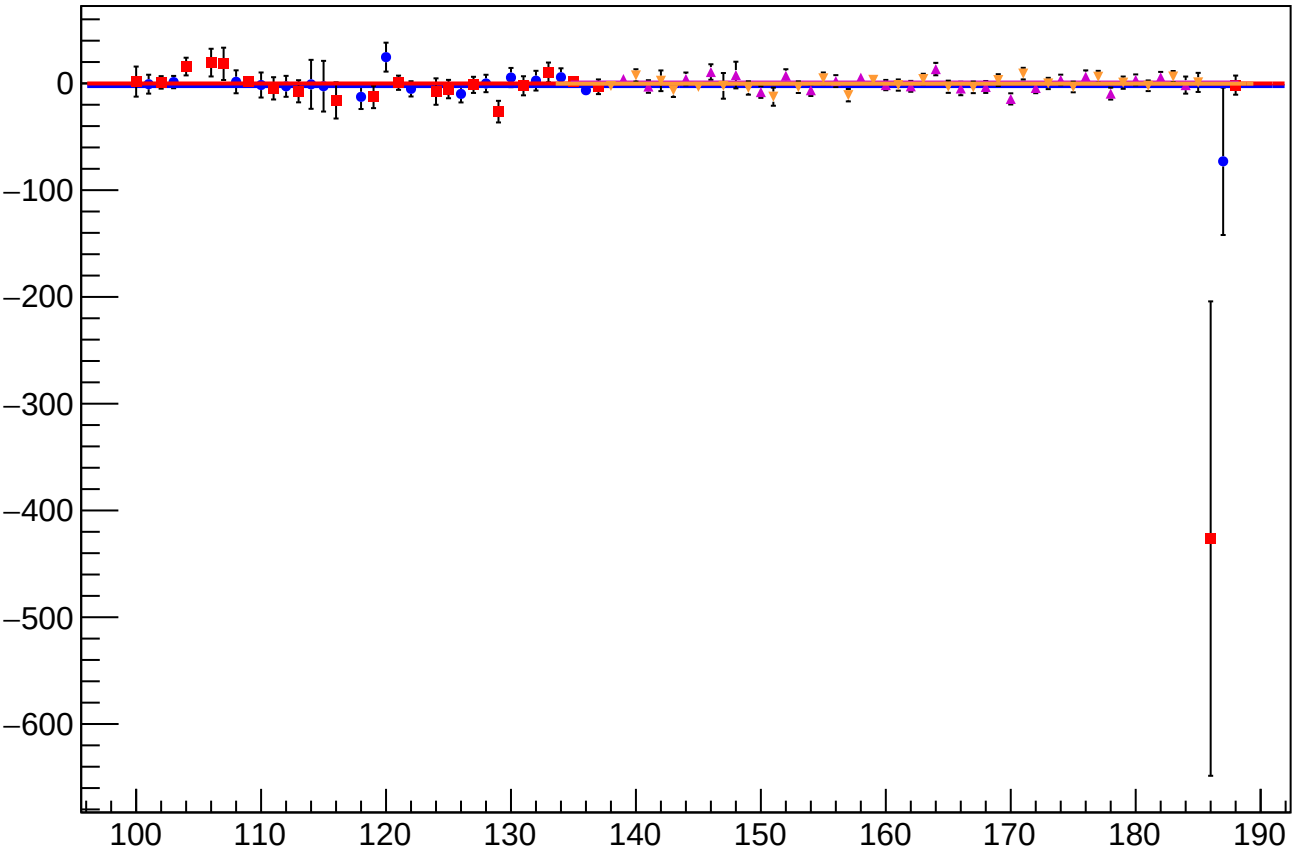
Left: 31823.038+/-3.758 χ^2/NDF: 3050743.5/47

Right: 29545.813+/-5.260 χ^2/NDF: 819295.5/37

In: 31024.514+/-4.419 χ^2/NDF:1910589.5/39

Out: 31079.755+/-4.236 χ^2/NDF:2083465.6/45

All: 31053.304+/-3.058 χ^2/NDF: 3994136.6/8



Right In: -2.522+/-1.915 χ^2/NDF: 11.1/16

Left Out: -0.226+/-1.094 χ^2/NDF:19.9/24

Right Out: -0.084+/-1.791 χ^2/NDF: 23.7/20

Left In: 0.788+/-1.061 χ^2/NDF:33.8/22

Left: 0.297+/-0.761 χ^2/NDF: 54.1/47

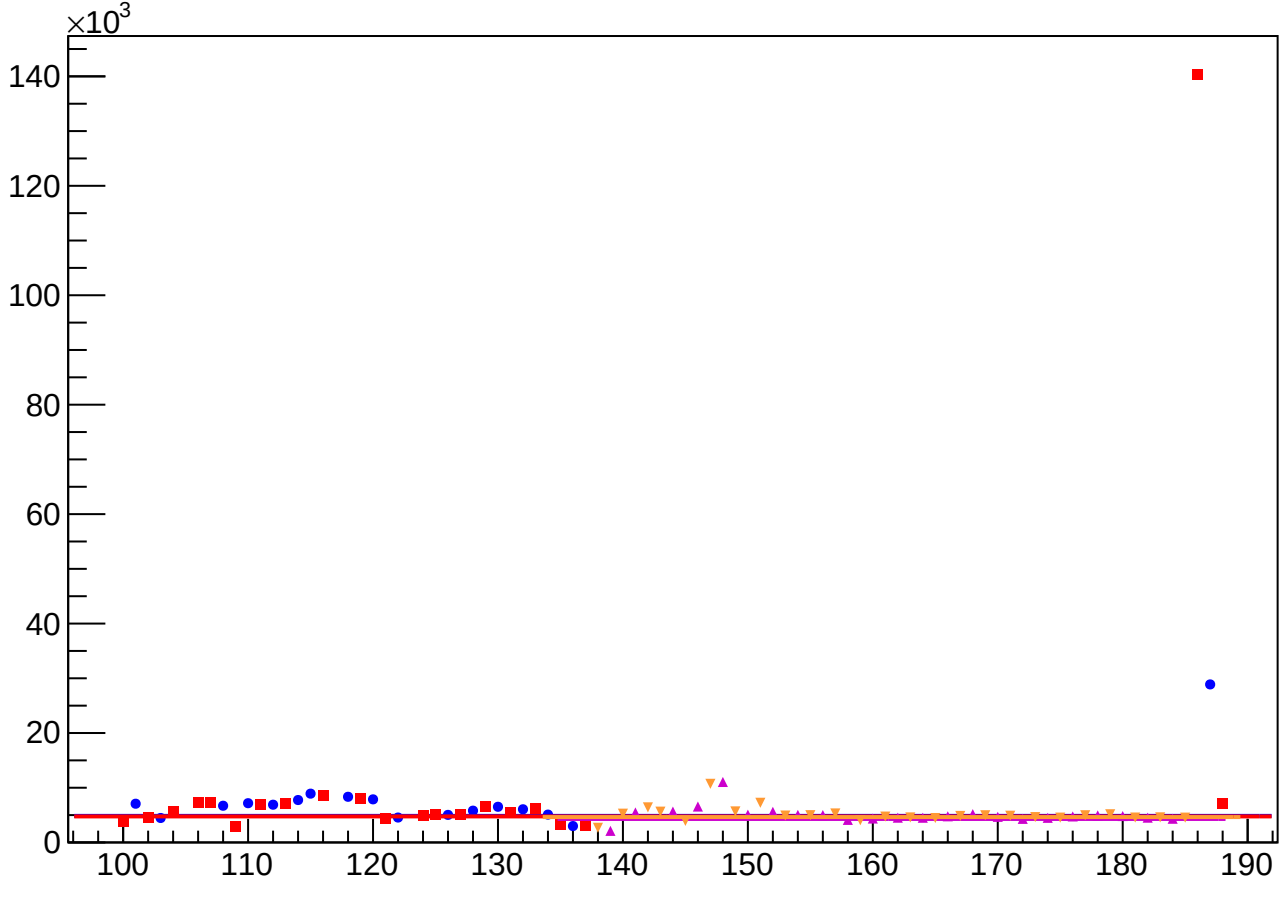
Right: -1.222+/-1.308 χ^2/NDF: 35.6/37

In: 0.011+/-0.928 χ^2/NDF:47.1/39

Out: -0.187+/-0.934 χ^2/NDF:43.6/45

All: -0.087+/-0.658 χ^2/NDF: 90.7/85

diff_bpm12Y_rms vs Slug, Sign Corrected



Right In: 4855.680+/-1.354 χ^2/NDF: 1790242.3/16

Left Out: 4637.399+/-0.774 χ^2/NDF:1763103.2/24

Right Out: 4757.478+/-1.267 χ^2/NDF: 2325949.2/20

Left In: 4295.074+/-0.750 χ^2/NDF:3095610.0/22

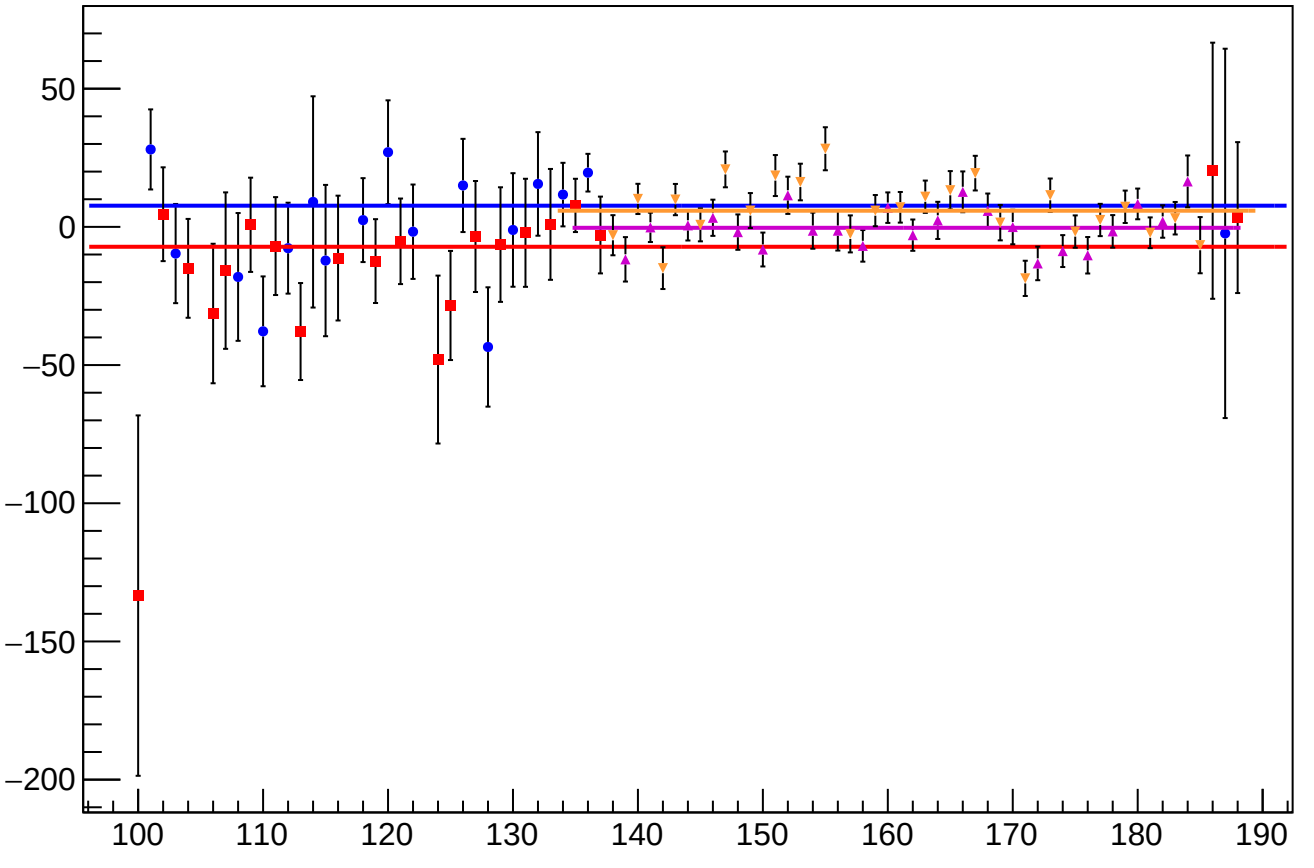
Left: 4460.947+/-0.538 χ^2/NDF: 4959666.2/47

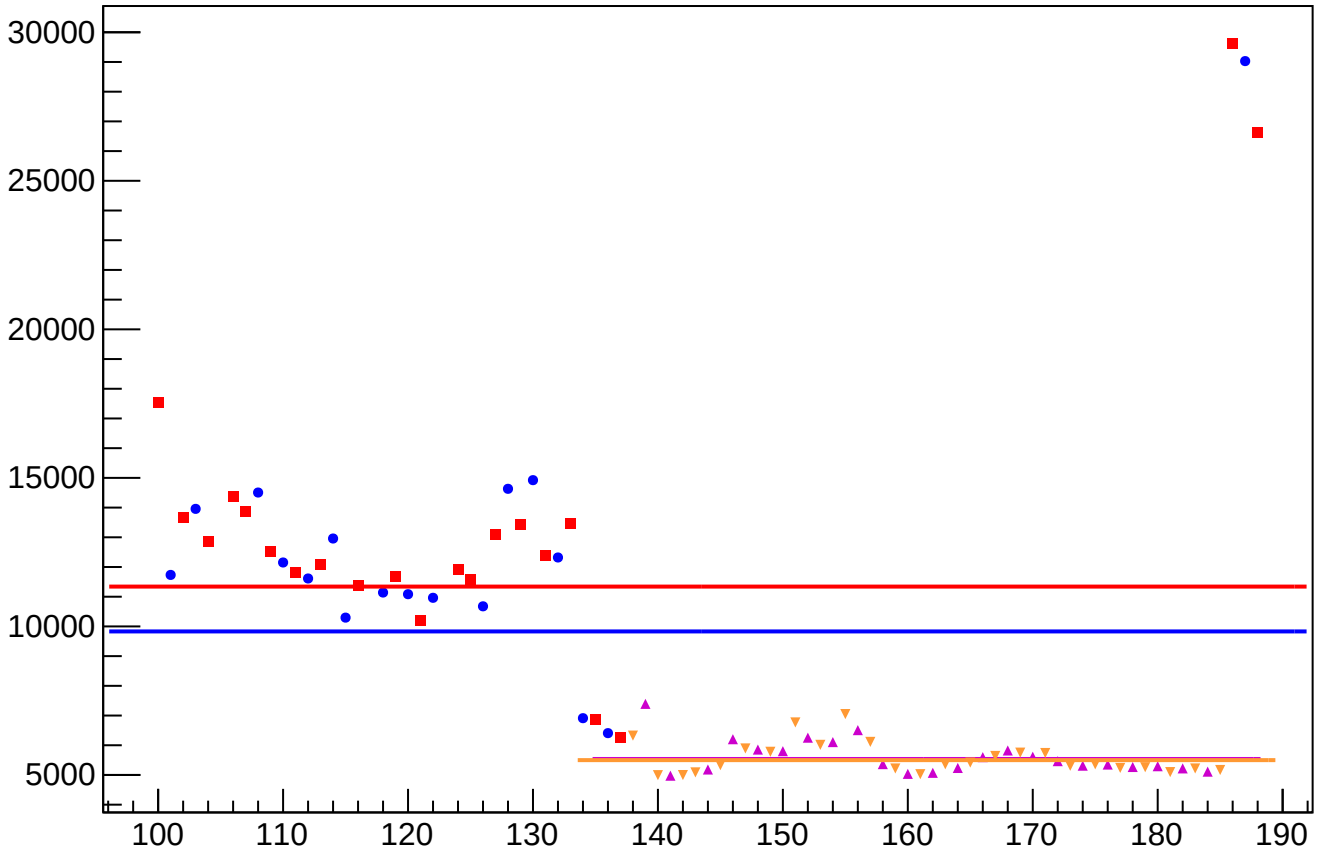
Right: 4803.304+/-0.925 χ^2/NDF: 4118996.8/37

In: 4426.683+/-0.656 χ^2/NDF:5017026.9/39

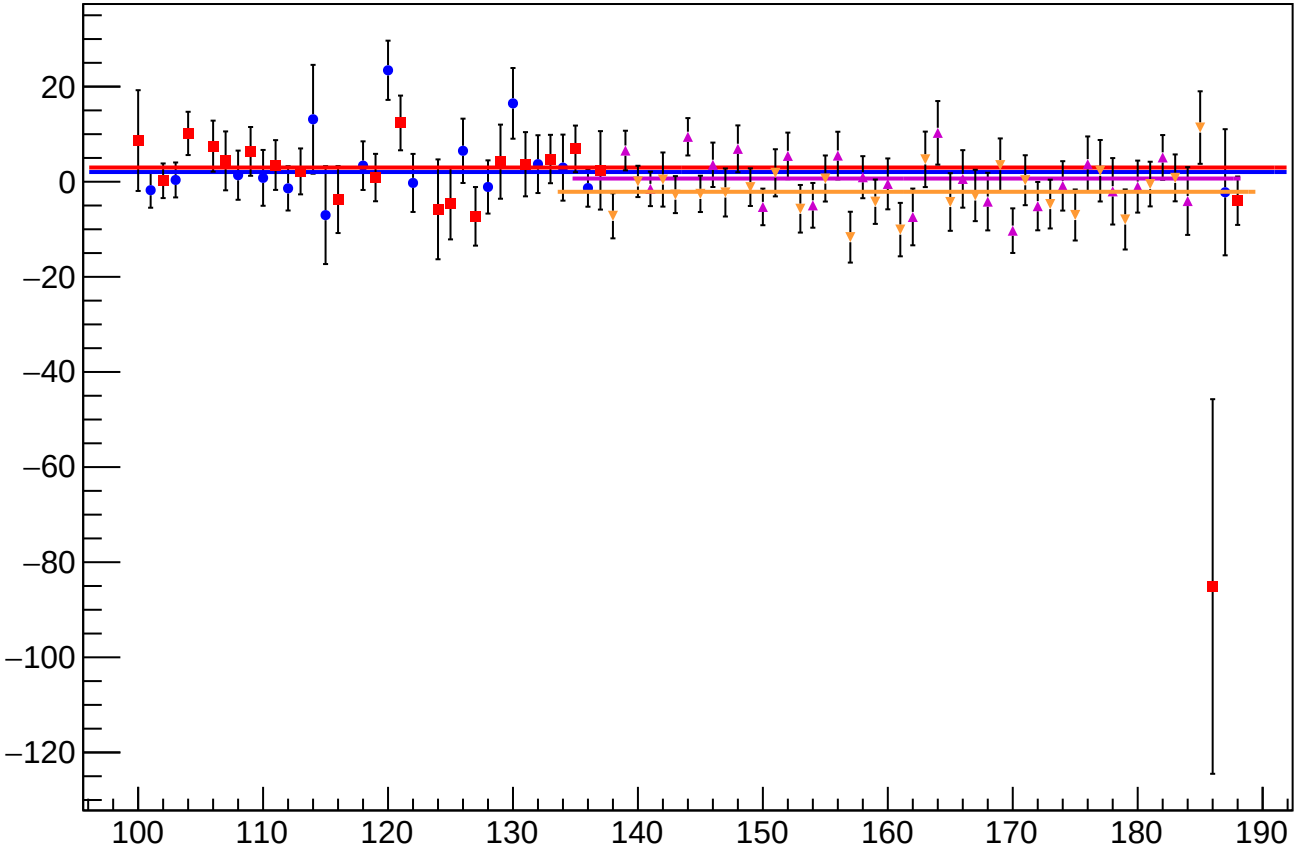
Out: 4670.020+/-0.660 χ^2/NDF:4095599.0/45

All: 4547.597+/-0.465 χ^2/NDF: 9180984.2/85


diff_bpm16X_mean vs Slug, Sign Corrected
50
0
−50
−100
−150
−200
100
110
120
130
140
150
160
170
180
190
Right In: 7.666+/-3.814 χ²/NDF: 21.6/16
Left Out: 5.849+/-1.257 χ²/NDF:60.0/24
Right Out: -7.197+/-4.038 χ²/NDF: 15.1/20
Left In: -0.337+/-1.301 χ²/NDF:29.4/22
Left: 2.861+/-0.904 χ²/NDF: 101.1/47
Right: 0.660+/-2.773 χ²/NDF: 43.9/37
In: 0.497+/-1.231 χ²/NDF:54.9/39
Out: 4.696+/-1.201 χ²/NDF:84.7/45
All: 2.649+/-0.860 χ²/NDF: 145.6/85


diff_bpm16X_rms vs Slug, Sign Corrected
30000
25000
20000
15000
10000
5000
100
110
120
130
140
150
160
170
180
190
Right In: 9831.508+/-2.697 χ²/NDF: 1379326.8/16
Left Out: 5499.215+/-0.889 χ²/NDF:297719.4/24
Right Out: 11340.929+/-2.856 χ²/NDF: 1842086.8/20
Left In: 5537.777+/-0.920 χ²/NDF:304062.1/22
Left: 5517.842+/-0.639 χ²/NDF: 602690.2/47
Right: 10543.036+/-1.961 χ²/NDF: 3369111.7/37
In: 5985.272+/-0.871 χ²/NDF:3954525.4/39
Out: 6015.505+/-0.849 χ²/NDF:5954978.4/45
All: 6000.768+/-0.608 χ²/NDF: 9910122.0/85

diff_bpm16Y_mean vs Slug, Sign Corrected



Right In: 2.038+/-1.338 χ^2/NDF: 21.1/16

Left Out: -2.116+/-0.987 χ^2/NDF:17.5/24

Right Out: 2.991+/-1.263 χ^2/NDF: 20.5/20

Left In: 0.670+/-1.031 χ^2/NDF:28.4/22

Left: -0.783+/-0.713 χ^2/NDF: 49.6/47

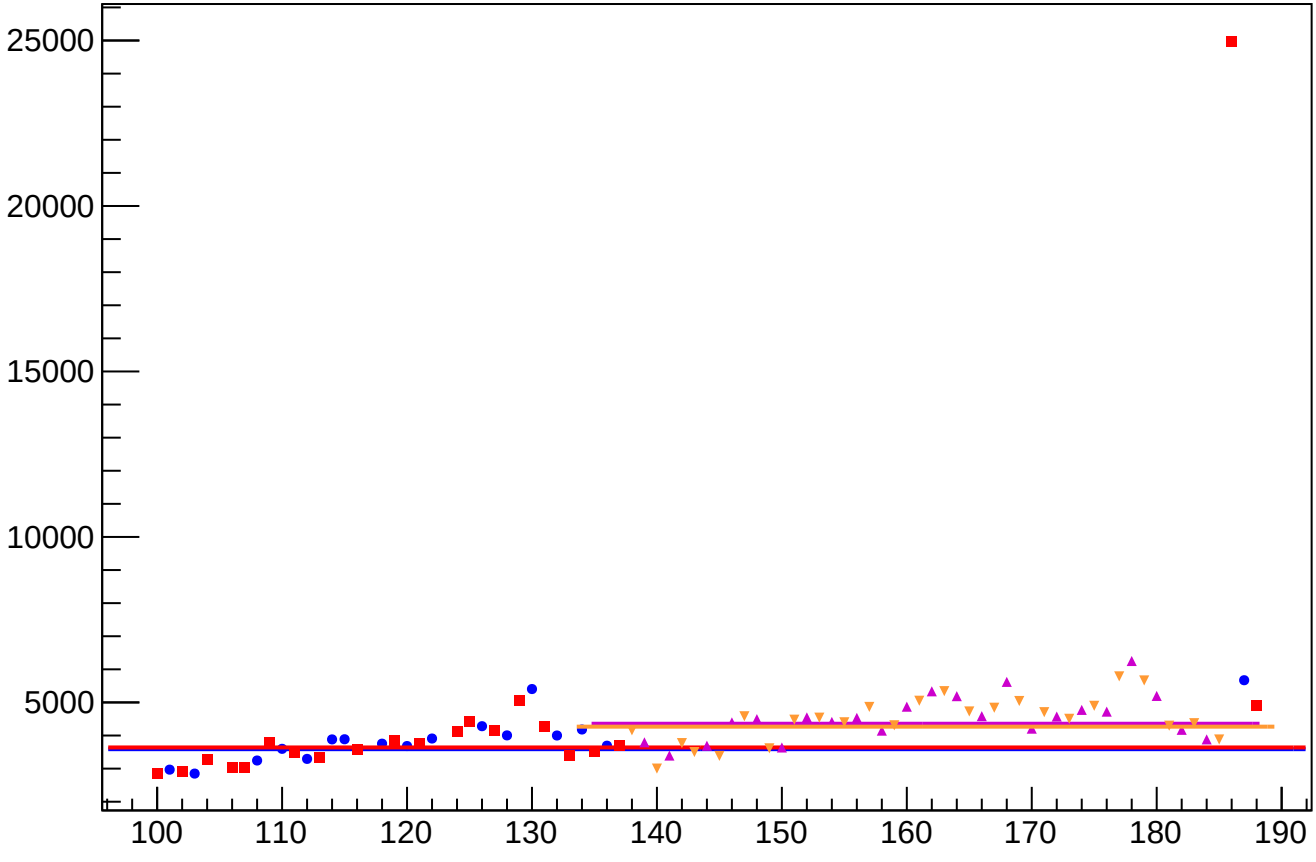
Right: 2.542+/-0.918 χ^2/NDF: 41.8/37

In: 1.180+/-0.817 χ^2/NDF:50.1/39

Out: -0.178+/-0.778 χ^2/NDF:48.1/45

All: 0.467+/-0.563 χ^2/NDF: 99.7/85

diff_bpm16Y_rms vs Slug, Sign Corrected



Right In: 3587.596+/-0.946 χ^2/NDF: 390990.6/16

Left Out: 4267.631+/-0.698 χ^2/NDF:1034722.2/24

Right Out: 3639.638+/-0.893 χ^2/NDF: 1005205.6/20

Left In: 4355.855+/-0.729 χ^2/NDF:743046.1/22

Left: 4309.839+/-0.504 χ^2/NDF: 1785408.9/47

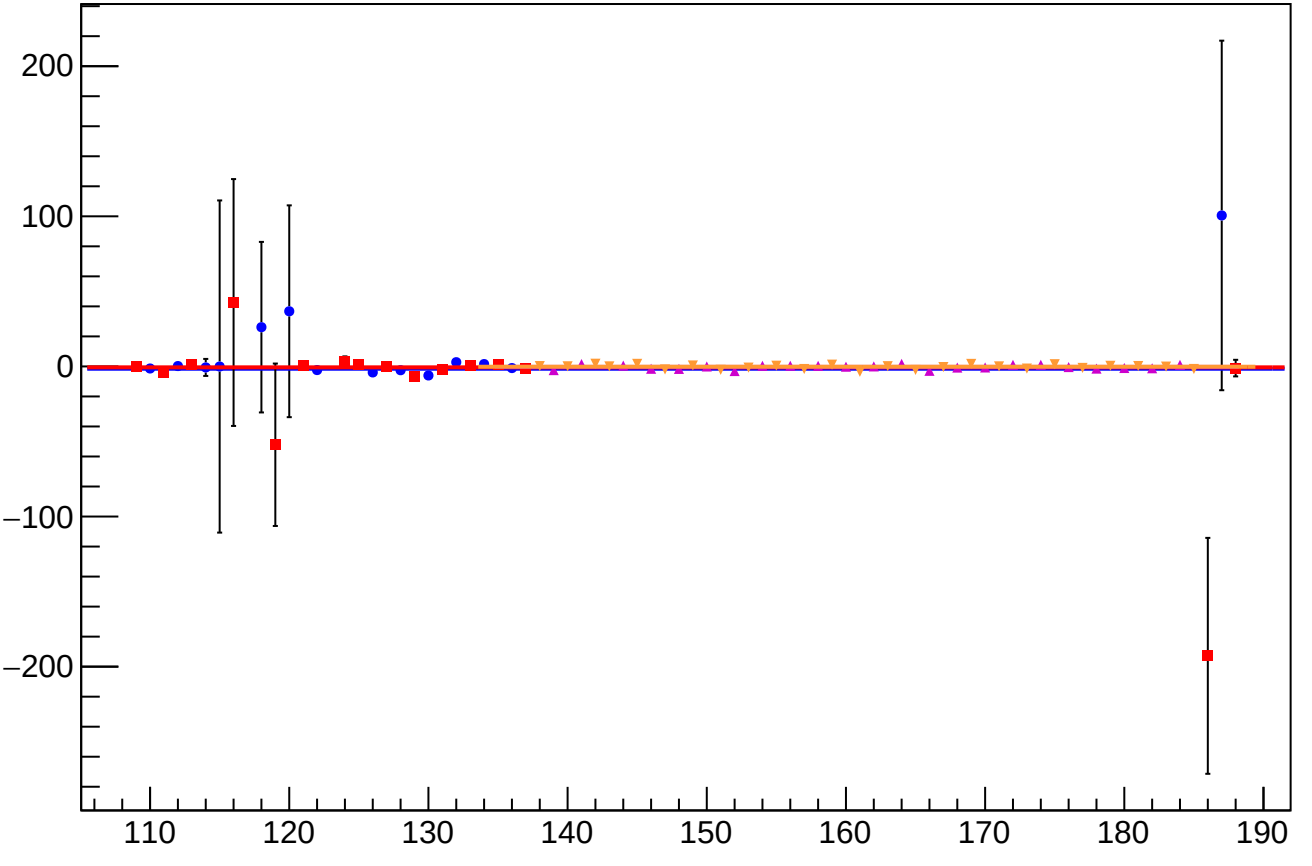
Right: 3615.132+/-0.649 χ^2/NDF: 1397796.1/37

In: 4069.805+/-0.578 χ^2/NDF:1547630.4/39

Out: 4029.365+/-0.550 χ^2/NDF:2346944.9/45

All: 4048.597+/-0.398 χ^2/NDF: 3897146.8/85

diff_bpm1p02bX_mean vs Slug, Sign Corrected



Right In: -1.532+/-0.733 χ^2/NDF: 11.9/13

Left Out: -0.201+/-0.236 χ^2/NDF:33.9/24

Right Out: -0.612+/-0.711 χ^2/NDF: 18.7/15

Left In: -0.333+/-0.242 χ^2/NDF:29.4/22

Left: -0.265+/-0.169 χ^2/NDF: 63.5/47

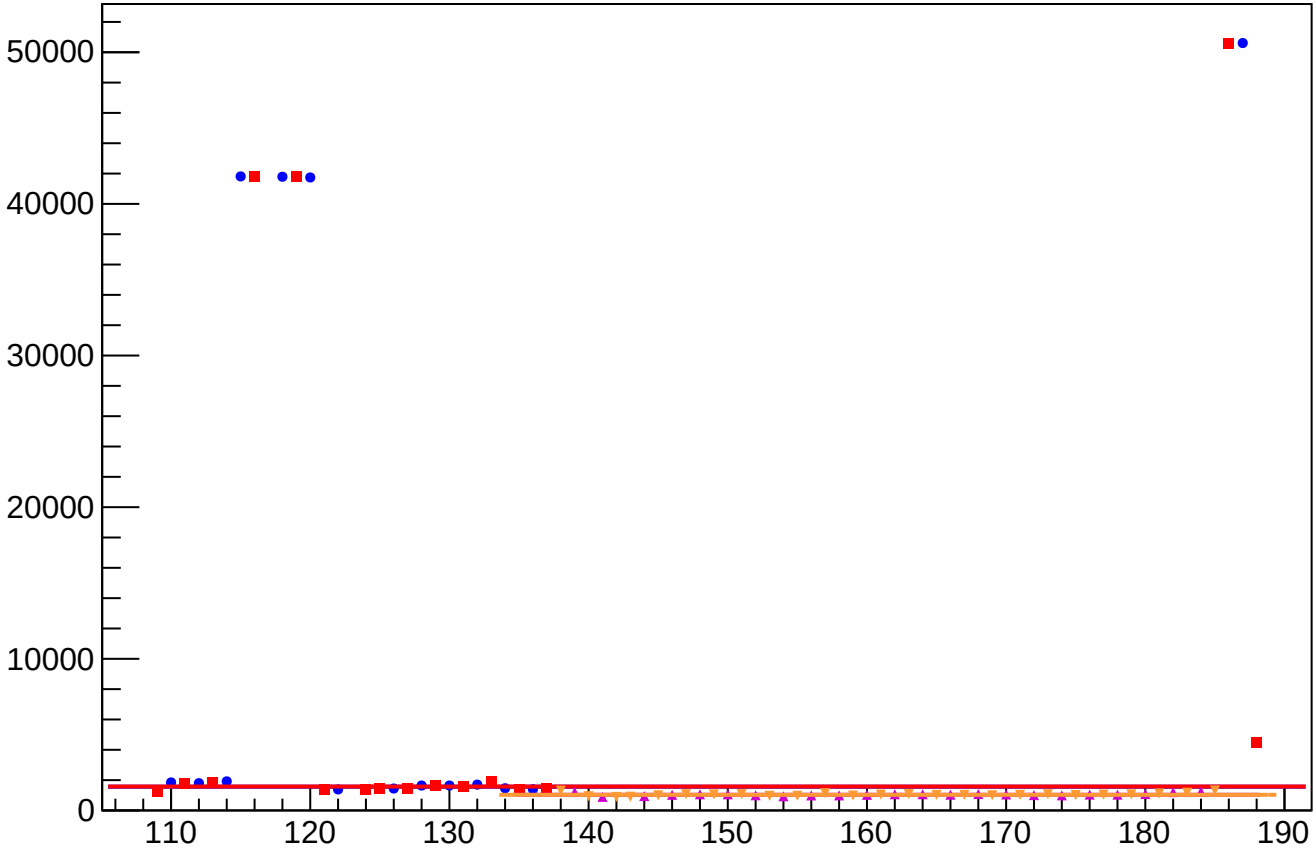
Right: -1.058+/-0.510 χ^2/NDF: 31.3/29

In: -0.451+/-0.230 χ^2/NDF:43.7/36

Out: -0.242+/-0.224 χ^2/NDF:52.9/40

All: -0.343+/-0.160 χ^2/NDF: 97.0/77

diff_bpm1p02bX_rms vs Slug, Sign Corrected



Right In: 1566.250+/-0.518 χ^2/NDF: 2371861.5/13

Left Out: 1031.473+/-0.167 χ^2/NDF:244095.3/24

Right Out: 1576.334+/-0.503 χ^2/NDF: 3071602.1/15

Left In: 1032.715+/-0.171 χ^2/NDF:187148.3/22

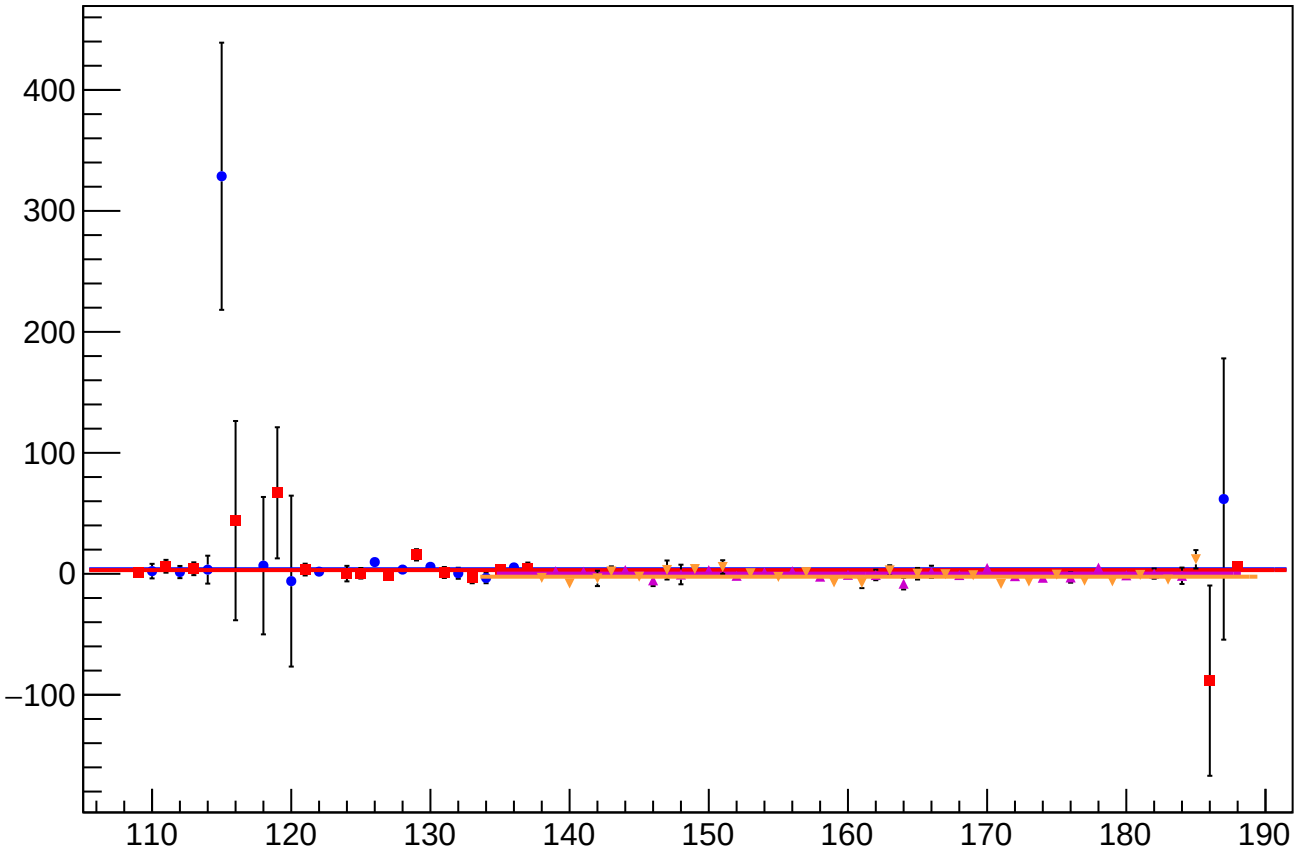
Left: 1032.077+/-0.119 χ^2/NDF: 431270.7/47

Right: 1571.443+/-0.361 χ^2/NDF: 5443658.7/29

In: 1085.256+/-0.163 χ^2/NDF:3515058.7/36

Out: 1085.327+/-0.158 χ^2/NDF:4373846.2/40

All: 1085.292+/-0.113 χ^2/NDF: 7888905.0/77



Right In: 3.783+/-1.248 χ^2/NDF: 15.4/13

Left Out: -2.380+/-0.782 χ^2/NDF:24.3/24

Right Out: 3.065+/-1.147 χ^2/NDF: 15.9/15

Left In: 0.171+/-0.810 χ^2/NDF:12.6/22

Left: -1.149+/-0.563 χ^2/NDF: 42.1/47

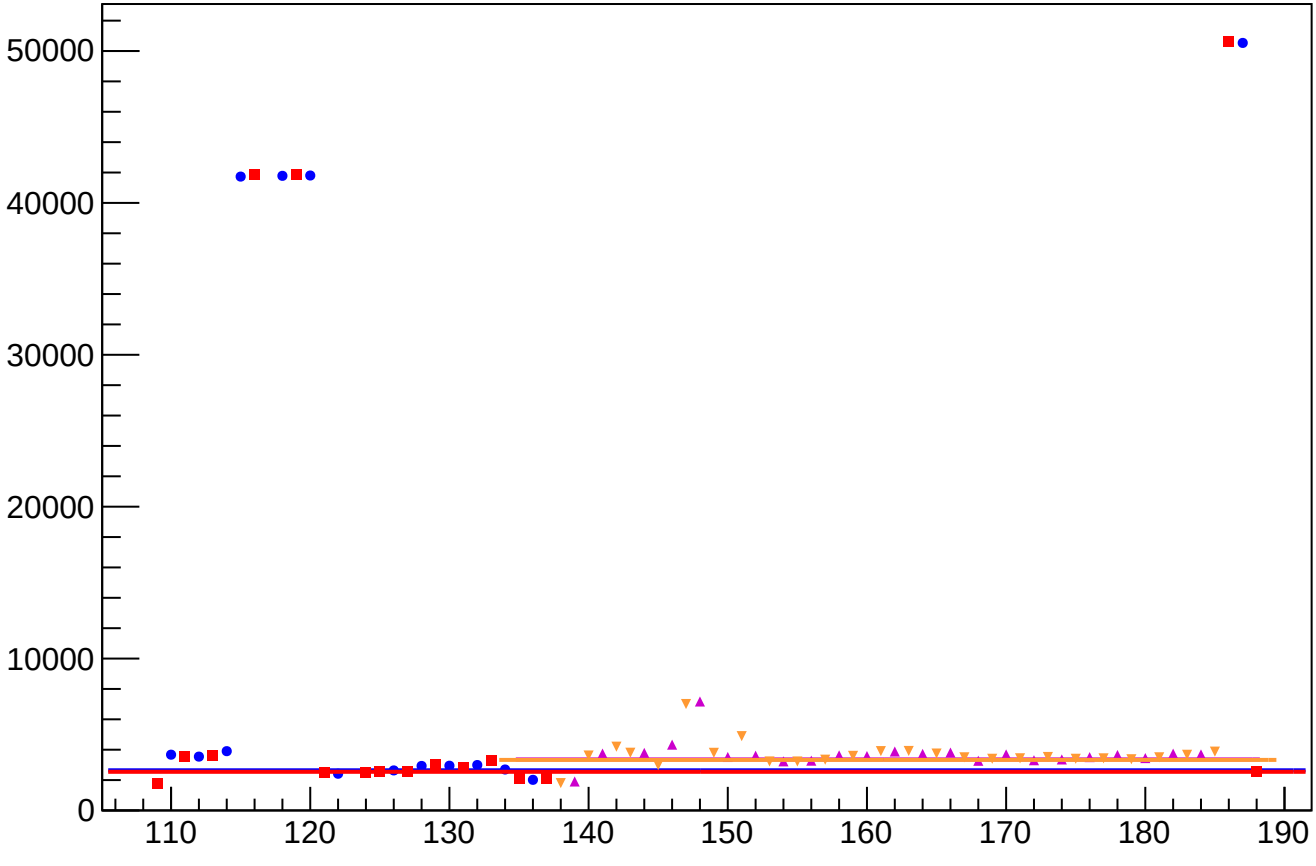
Right: 3.394+/-0.845 χ^2/NDF: 31.5/29

In: 1.241+/-0.679 χ^2/NDF:34.0/36

Out: -0.652+/-0.646 χ^2/NDF:55.6/40

All: 0.247+/-0.468 χ^2/NDF: 93.6/77

diff_bpm1p02bY_rms vs Slug, Sign Corrected



Right In: 2645.465+/-0.883 χ^2/NDF: 2512785.4/13

Left Out: 3328.251+/-0.553 χ^2/NDF:1915576.2/24

Right Out: 2544.571+/-0.811 χ^2/NDF: 2697025.3/15

Left In: 3360.799+/-0.572 χ^2/NDF:1649390.5/22

Left: 3343.963+/-0.398 χ^2/NDF: 3566638.9/47

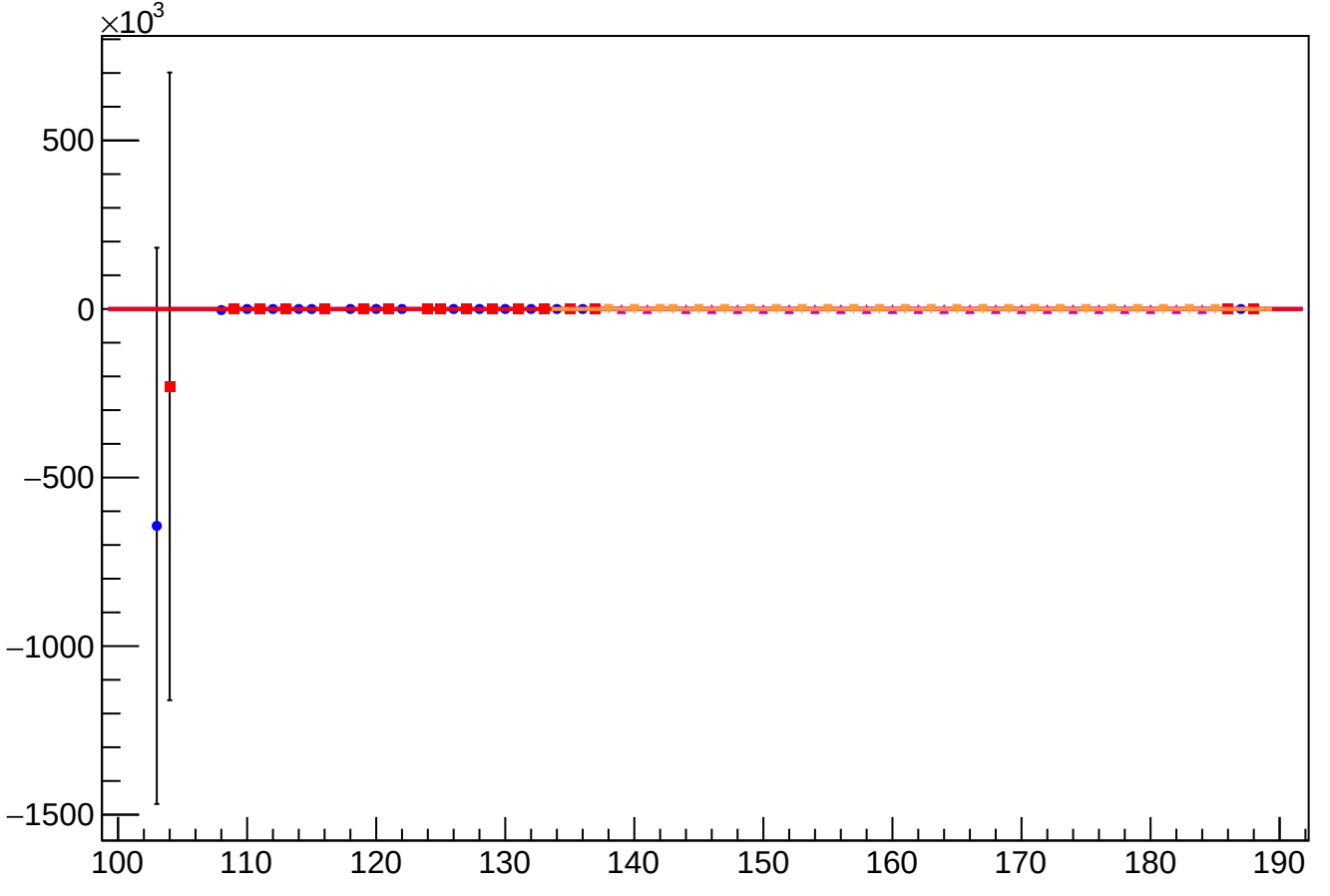
Right: 2590.757+/-0.597 χ^2/NDF: 5216895.5/29

In: 3148.983+/-0.480 χ^2/NDF:4624499.1/36

Out: 3079.511+/-0.457 χ^2/NDF:5249980.8/40

All: 3112.514+/-0.331 χ^2/NDF: 9885462.5/77

diff_bpm1p03aX_mean vs Slug, Sign Corrected



Right In: -1.212+/-1.125 χ^2/NDF: 18.8/15

Left Out: -1.573+/-0.363 χ^2/NDF:50.3/24

Right Out: 2.949+/-1.135 χ^2/NDF: 19.5/16

Left In: -0.018+/-0.374 χ^2/NDF:27.3/22

Left: -0.819+/-0.261 χ^2/NDF: 86.5/47

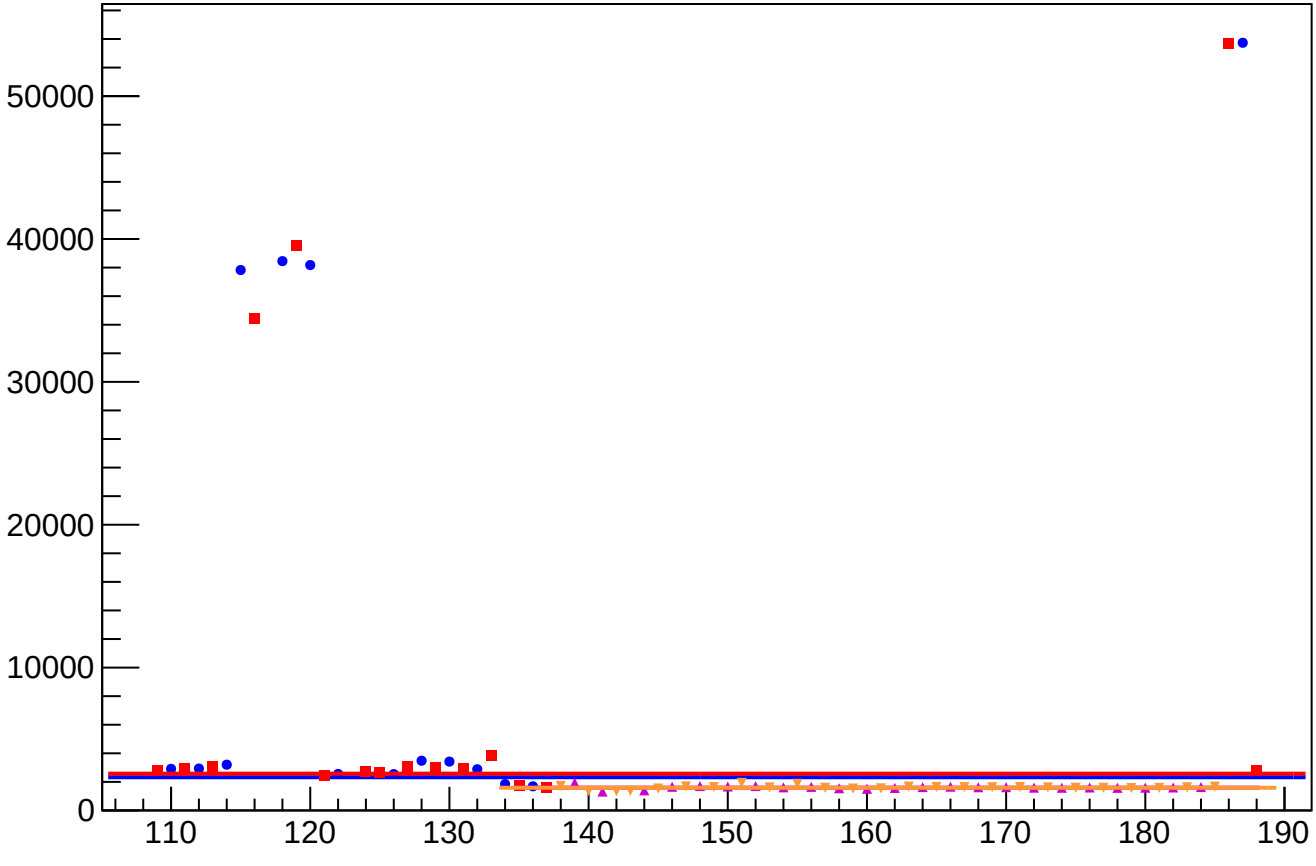
Right: 0.851+/-0.799 χ^2/NDF: 45.1/32

In: -0.137+/-0.355 χ^2/NDF:47.2/38

Out: -1.153+/-0.346 χ^2/NDF:84.2/41

All: -0.659+/-0.248 χ^2/NDF: 135.6/80

diff_bpm1p03aX_rms vs Slug, Sign Corrected



Right In: 2324.705+/-0.796 χ^2/NDF: 2807360.9/13

Left Out: 1589.488+/-0.257 χ^2/NDF:232518.0/24

Right Out: 2576.190+/-0.802 χ^2/NDF: 2797925.8/15

Left In: 1596.179+/-0.265 χ^2/NDF:196833.1/22

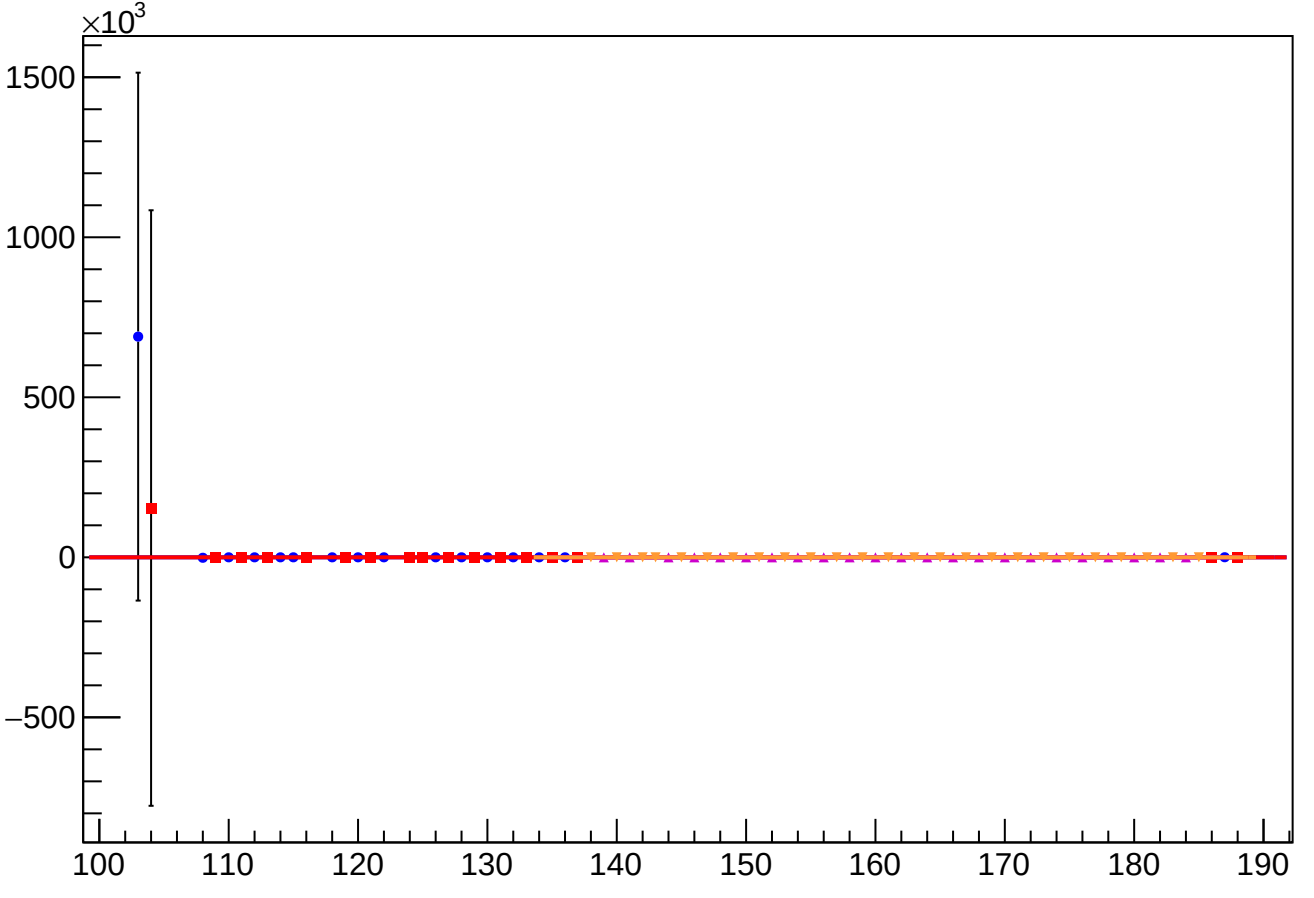
Left: 1592.729+/-0.184 χ^2/NDF: 429680.4/47

Right: 2449.392+/-0.565 χ^2/NDF: 5654818.3/29

In: 1668.812+/-0.251 χ^2/NDF:3758987.3/36

Out: 1681.047+/-0.244 χ^2/NDF:4402383.3/40

All: 1675.098+/-0.175 χ^2/NDF: 8162589.0/77



Right In: 1.726+/-1.076 χ^2/NDF: 9.1/15

Left Out: -1.179+/-0.502 χ^2/NDF:24.4/24

Right Out: 2.162+/-0.992 χ^2/NDF: 16.5/16

Left In: -0.125+/-0.501 χ^2/NDF:16.9/22

Left: -0.651+/-0.355 χ^2/NDF: 43.5/47

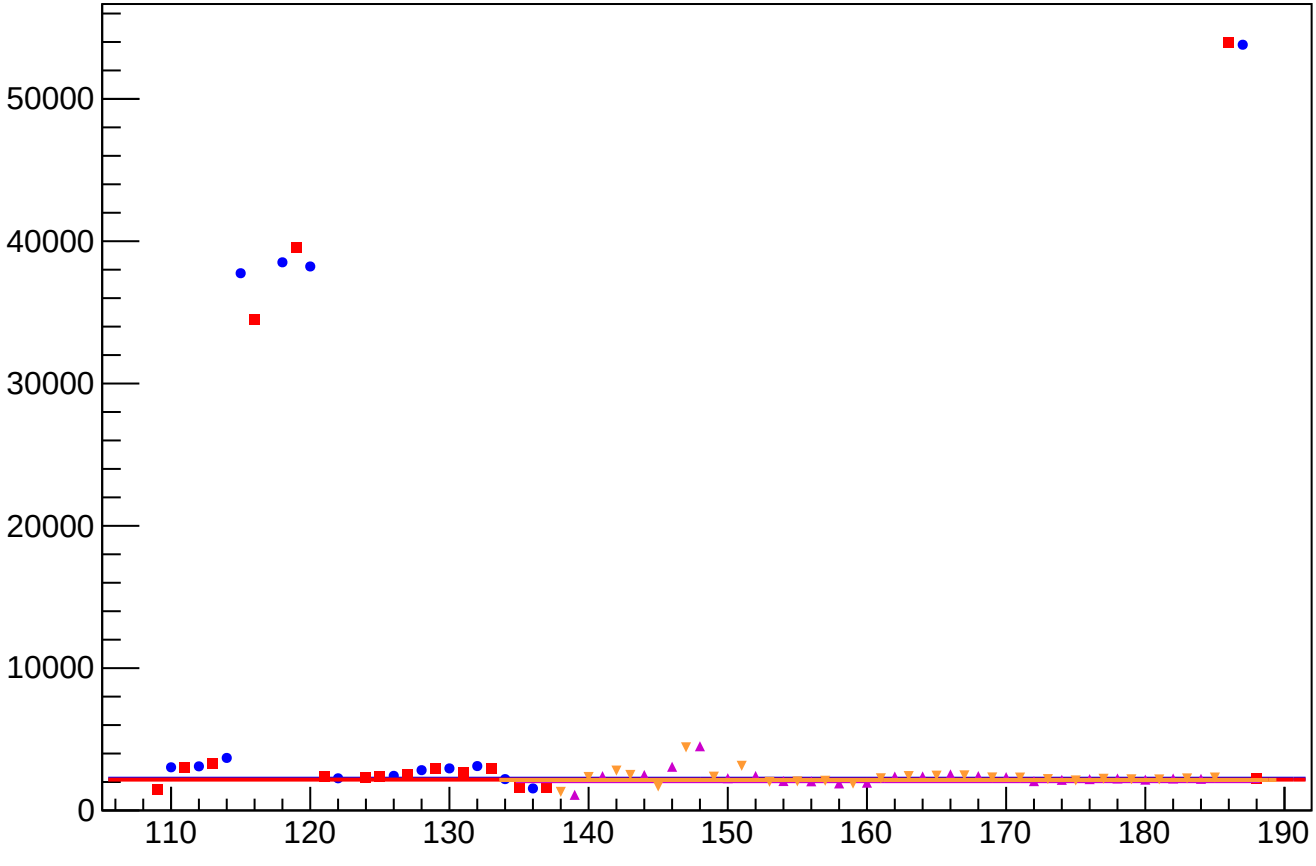
Right: 1.962+/-0.729 χ^2/NDF: 25.7/32

In: 0.205+/-0.454 χ^2/NDF:28.4/38

Out: -0.497+/-0.448 χ^2/NDF:49.9/41

All: -0.151+/-0.319 χ^2/NDF: 79.5/80

diff_bpm1p03aY_rms vs Slug, Sign Corrected



Right In: 2230.844+/-0.761 χ^2/NDF: 2869499.1/13

Left Out: 2139.248+/-0.355 χ^2/NDF:1480000.5/24

Right Out: 2168.036+/-0.702 χ^2/NDF: 2995602.4/15

Left In: 2058.216+/-0.354 χ^2/NDF:2293601.6/22

Left: 2098.634+/-0.251 χ^2/NDF: 3799672.6/47

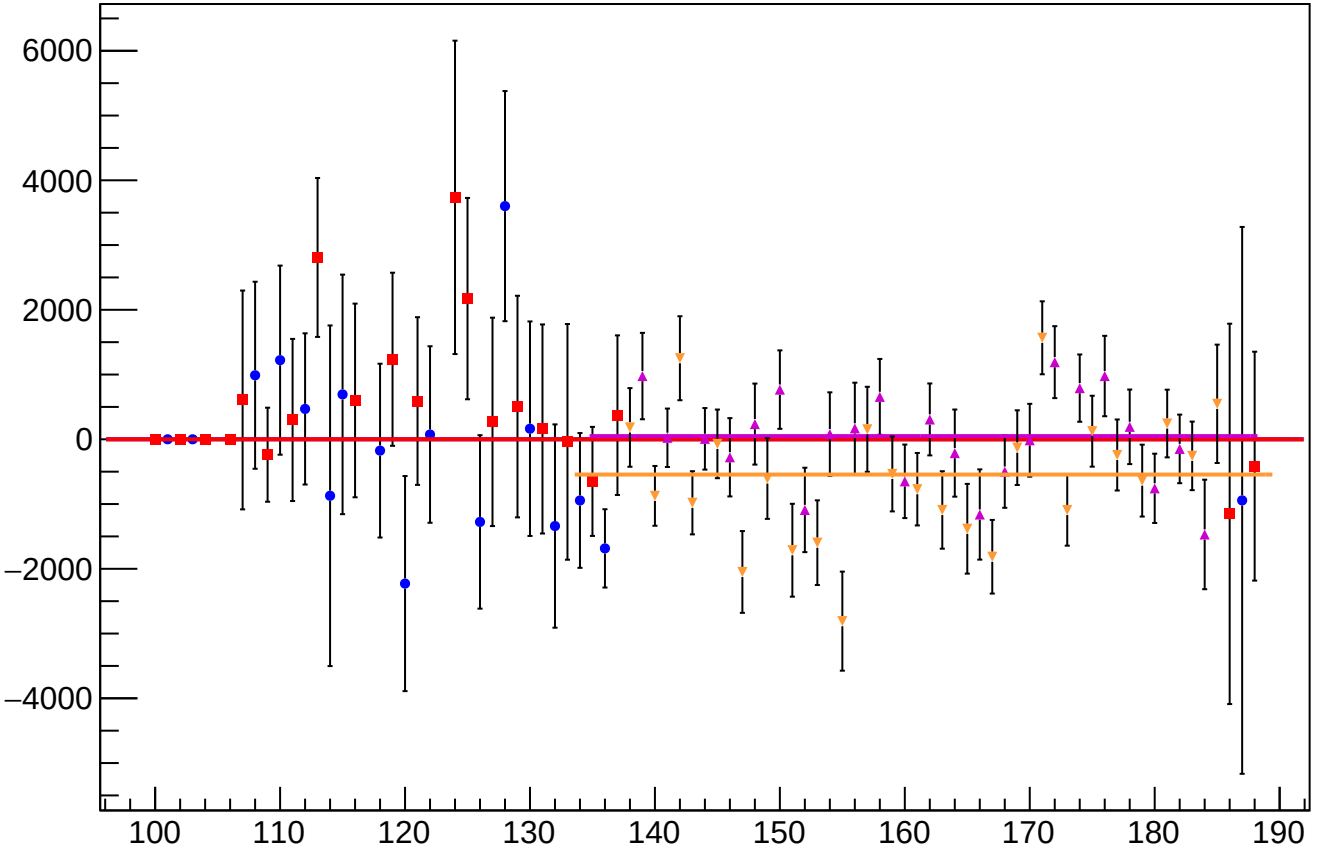
Right: 2196.886+/-0.516 χ^2/NDF: 5868783.6/29

In: 2088.982+/-0.321 χ^2/NDF:5205377.7/36

Out: 2145.125+/-0.317 χ^2/NDF:4476943.1/40

All: 2117.435+/-0.226 χ^2/NDF: 9697794.6/77

diff_cav4bX_mean vs Slug, Sign Corrected



Right In: 0.255+/-0.356 χ^2/NDF: 17.8/16

Left Out: -544.414+/-117.154 χ^2/NDF:60.9/24

Right Out: -0.096+/-0.328 χ^2/NDF: 15.6/20

Left In: 49.119+/-121.932 χ^2/NDF:28.0/22

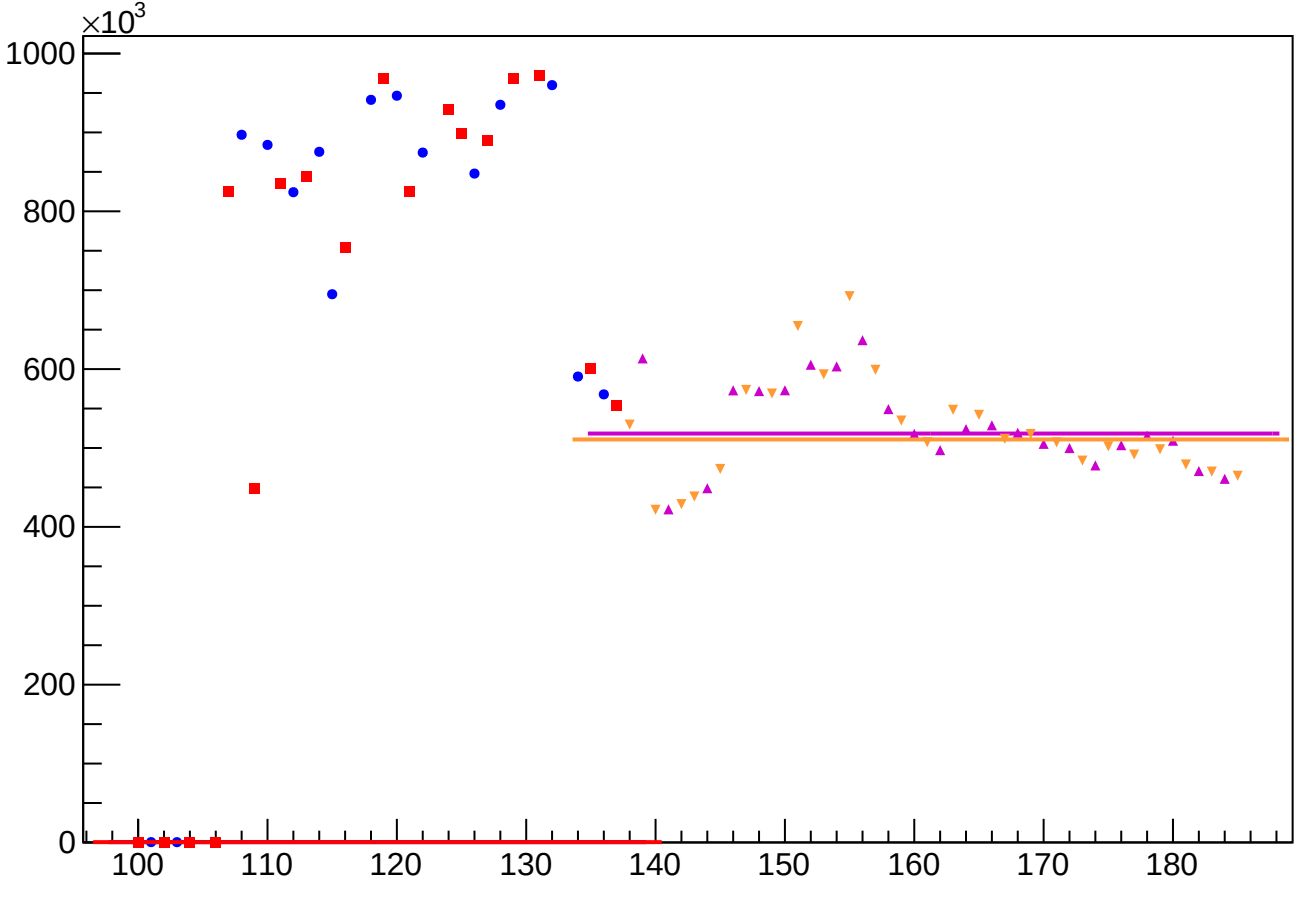
Left: -259.505+/-84.479 χ^2/NDF: 101.1/47

Right: 0.065+/-0.241 χ^2/NDF: 33.9/37

In: 0.256+/-0.356 χ^2/NDF:45.9/39

Out: -0.100+/-0.328 χ^2/NDF:98.1/45

All: 0.063+/-0.241 χ^2/NDF: 144.5/85



Right In: 398.881+/-0.251 χ^2/NDF: 8491830.9/14

Left Out: 510811.545+/-82.841 χ^2/NDF:509606.7/24

Right Out: 393.240+/-0.232 χ^2/NDF: 7648578.2/17

Left In: 518313.411+/-86.219 χ^2/NDF:399884.6/22

Left: 514412.615+/-59.736 χ^2/NDF: 913427.9/47

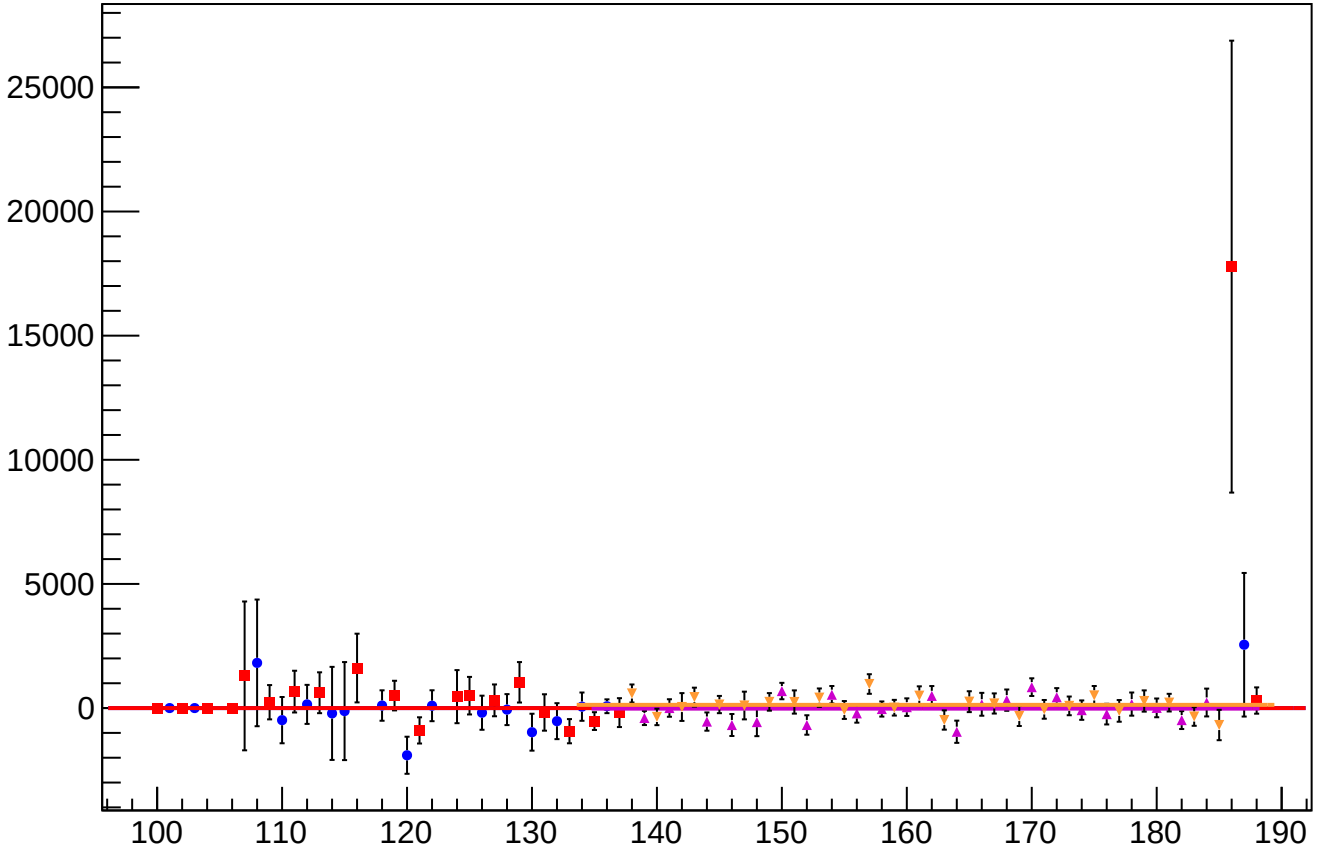
Right: 395.831+/-0.170 χ^2/NDF: 16140681.1/32

In: 403.287+/-0.251 χ^2/NDF:44974797.4/37

Out: 397.235+/-0.232 χ^2/NDF:46121298.2/42

All: 400.015+/-0.170 χ^2/NDF: 91096408.7/80

diff_cav4bY_mean vs Slug, Sign Corrected



Right In: -0.020+/-0.347 χ^2/NDF: 11.2/16

Left Out: 128.971+/-78.249 χ^2/NDF:20.1/24

Right Out: -0.599+/-0.324 χ^2/NDF: 19.1/20

Left In: -19.324+/-79.767 χ^2/NDF:33.7/22

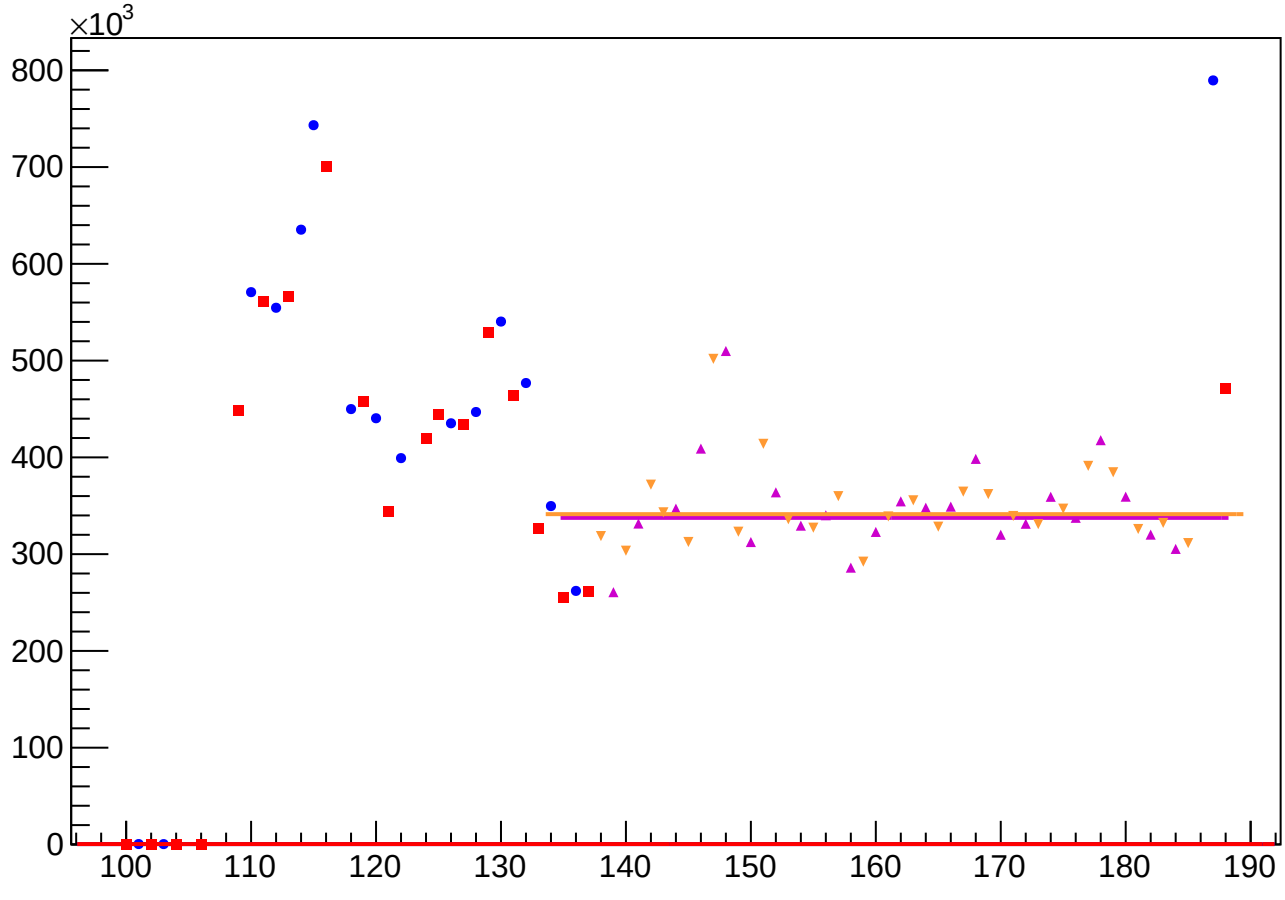
Left: 56.249+/-55.859 χ^2/NDF: 55.5/47

Right: -0.330+/-0.237 χ^2/NDF: 31.9/37

In: -0.021+/-0.347 χ^2/NDF:45.0/39

Out: -0.596+/-0.324 χ^2/NDF:42.0/45

All: -0.329+/-0.237 χ^2/NDF: 88.5/85



Right In: 390.278+/-0.245 χ^2/NDF: 11168648.3/15

Left Out: 341327.149+/-55.330 χ^2/NDF:403173.8/24

Right Out: 388.156+/-0.229 χ^2/NDF: 12613785.5/18

Left In: 337505.654+/-56.407 χ^2/NDF:600776.4/22

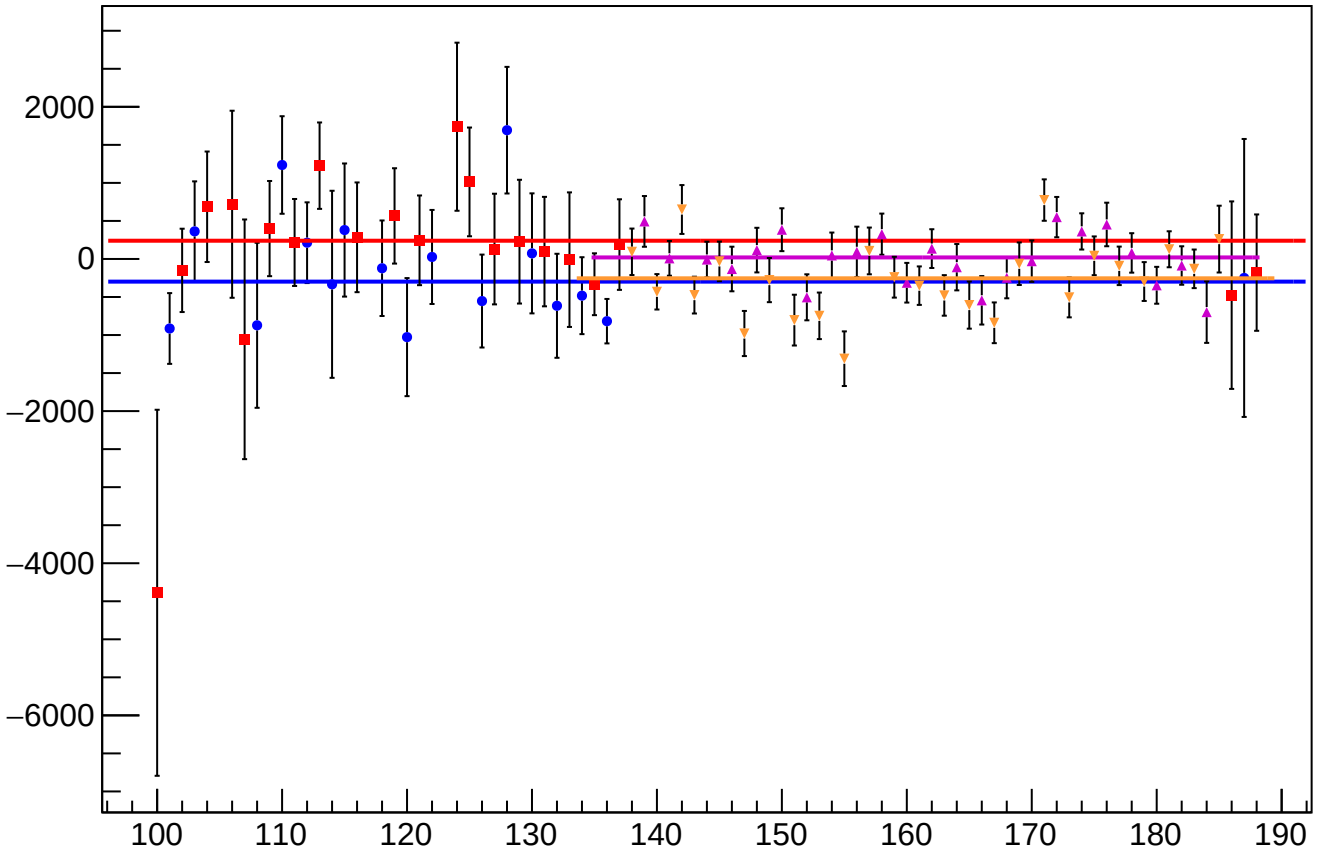
Left: 339453.220+/-39.500 χ^2/NDF: 1006289.4/47

Right: 389.143+/-0.167 χ^2/NDF: 23782473.8/34

In: 396.661+/-0.245 χ^2/NDF:47487268.3/38

Out: 393.994+/-0.229 χ^2/NDF:50985265.2/43

All: 395.235+/-0.167 χ^2/NDF: 98472596.7/82



Right In: -297.948+/-146.890 χ^2/NDF: 21.2/16

Left Out: -254.371+/-55.417 χ^2/NDF:61.3/24

Right Out: 239.771+/-152.226 χ^2/NDF: 14.5/20

Left In: 20.176+/-57.484 χ^2/NDF:28.6/22

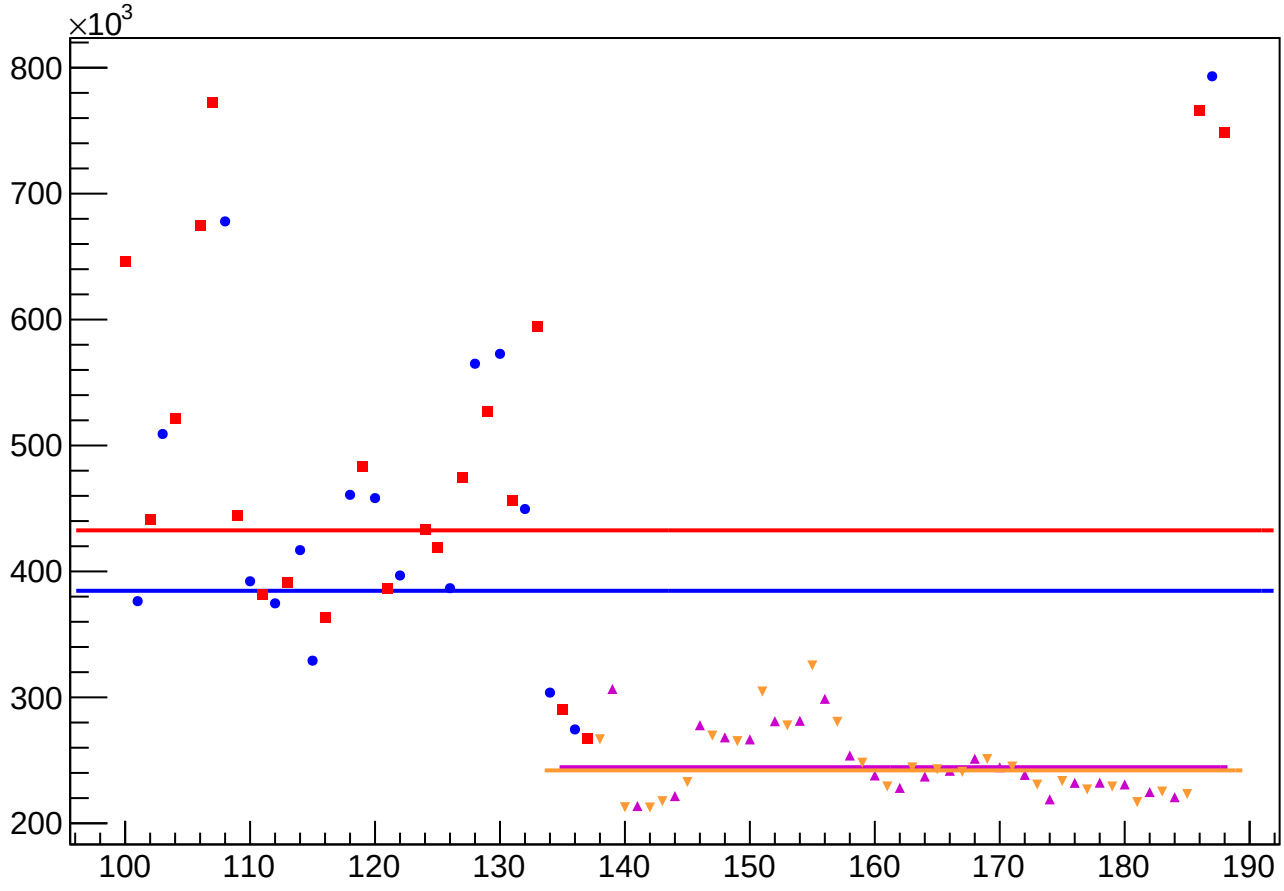
Left: -122.121+/-39.897 χ^2/NDF: 101.7/47

Right: -38.678+/-105.703 χ^2/NDF: 42.2/37

In: -22.074+/-53.531 χ^2/NDF:53.8/39

Out: -196.546+/-52.074 χ^2/NDF:85.1/45

All: -111.716+/-37.326 χ^2/NDF: 144.4/85



Right In: 384619.360+/-103.886 χ^2/NDF: 937098.9/16

Left Out: 242008.749+/-39.186 χ^2/NDF:413236.1/24

Right Out: 432614.802+/-107.725 χ^2/NDF: 1263908.5/20

Left In: 244542.686+/-40.647 χ^2/NDF:361527.4/22

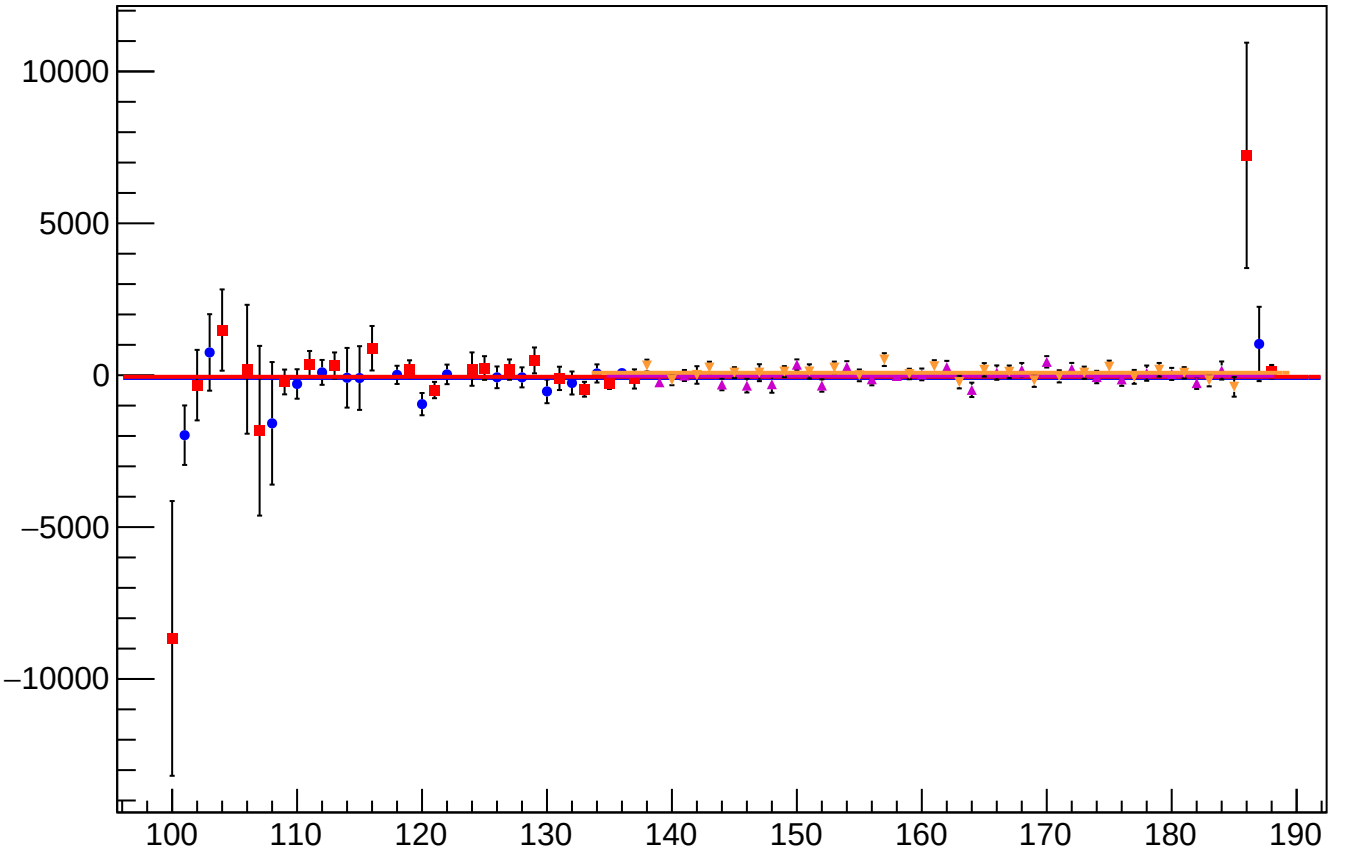
Left: 243229.356+/-28.211 χ^2/NDF: 776777.7/47

Right: 407746.493+/-74.779 χ^2/NDF: 2303859.0/37

In: 263140.108+/-37.853 χ^2/NDF:2875355.1/39

Out: 264282.601+/-36.825 χ^2/NDF:4441975.1/45

All: 263727.071+/-26.395 χ^2/NDF: 7317798.



Right In: -90.026+/-88.038 χ^2/NDF: 14.5/16

Left Out: 79.495+/-41.301 χ^2/NDF:19.7/24

Right Out: -52.559+/-81.219 χ^2/NDF: 23.6/20

Left In: -14.032+/-42.233 χ^2/NDF:33.2/22

Left: 33.776+/-29.528 χ^2/NDF: 55.4/47

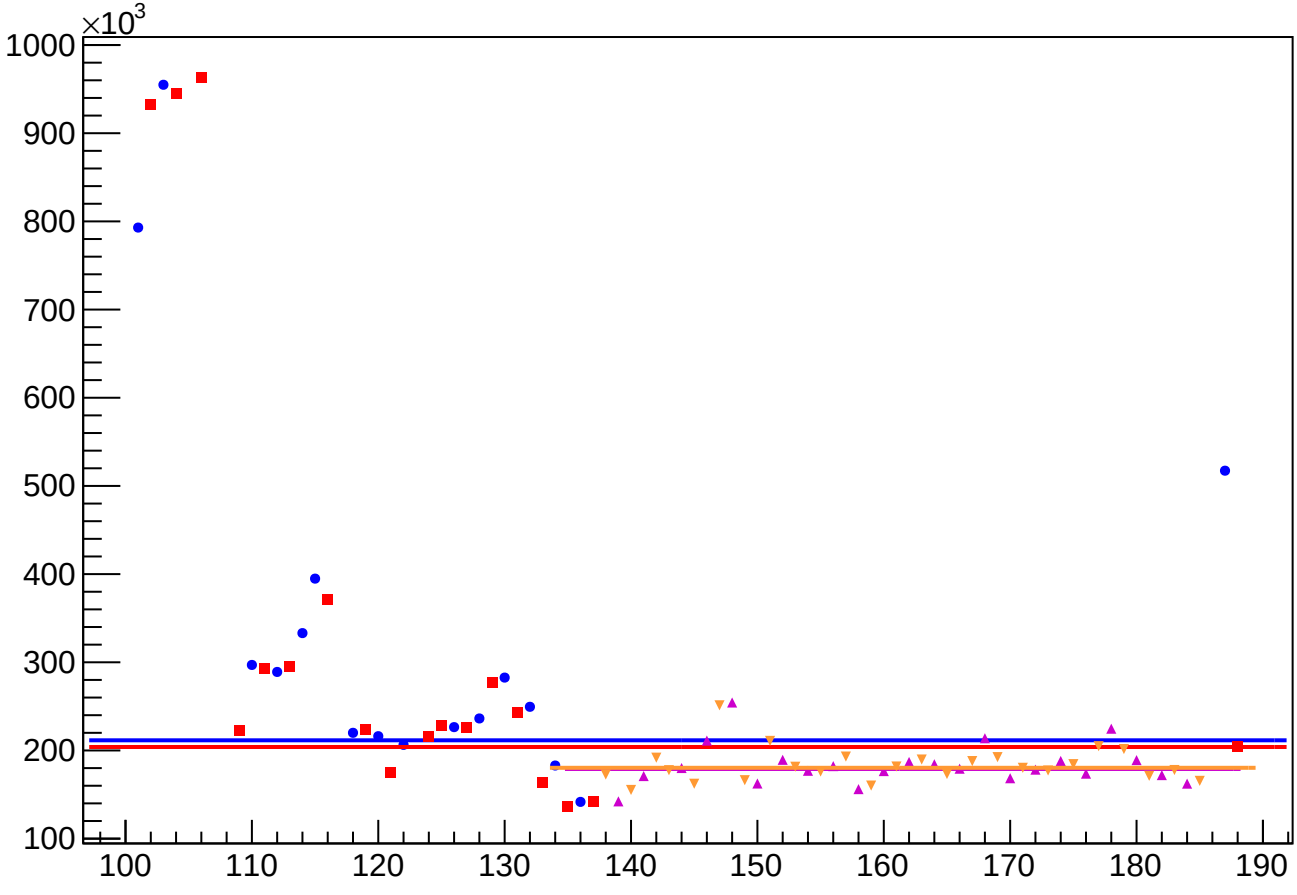
Right: -69.786+/-59.696 χ^2/NDF: 38.3/37

In: -28.248+/-38.078 χ^2/NDF:48.3/39

Out: 52.364+/-36.814 χ^2/NDF:45.5/45

All: 13.418+/-26.467 χ^2/NDF: 96.1/85

diff_cav4cY_rms vs Slug, Sign Corrected



Right In: 211526.441+/-62.360 χ^2/NDF: 2085481.4/15

Left Out: 180342.867+/-29.204 χ^2/NDF:346596.9/24

Right Out: 203939.298+/-57.568 χ^2/NDF: 2070519.3/17

Left In: 179024.195+/-29.863 χ^2/NDF:501400.7/22

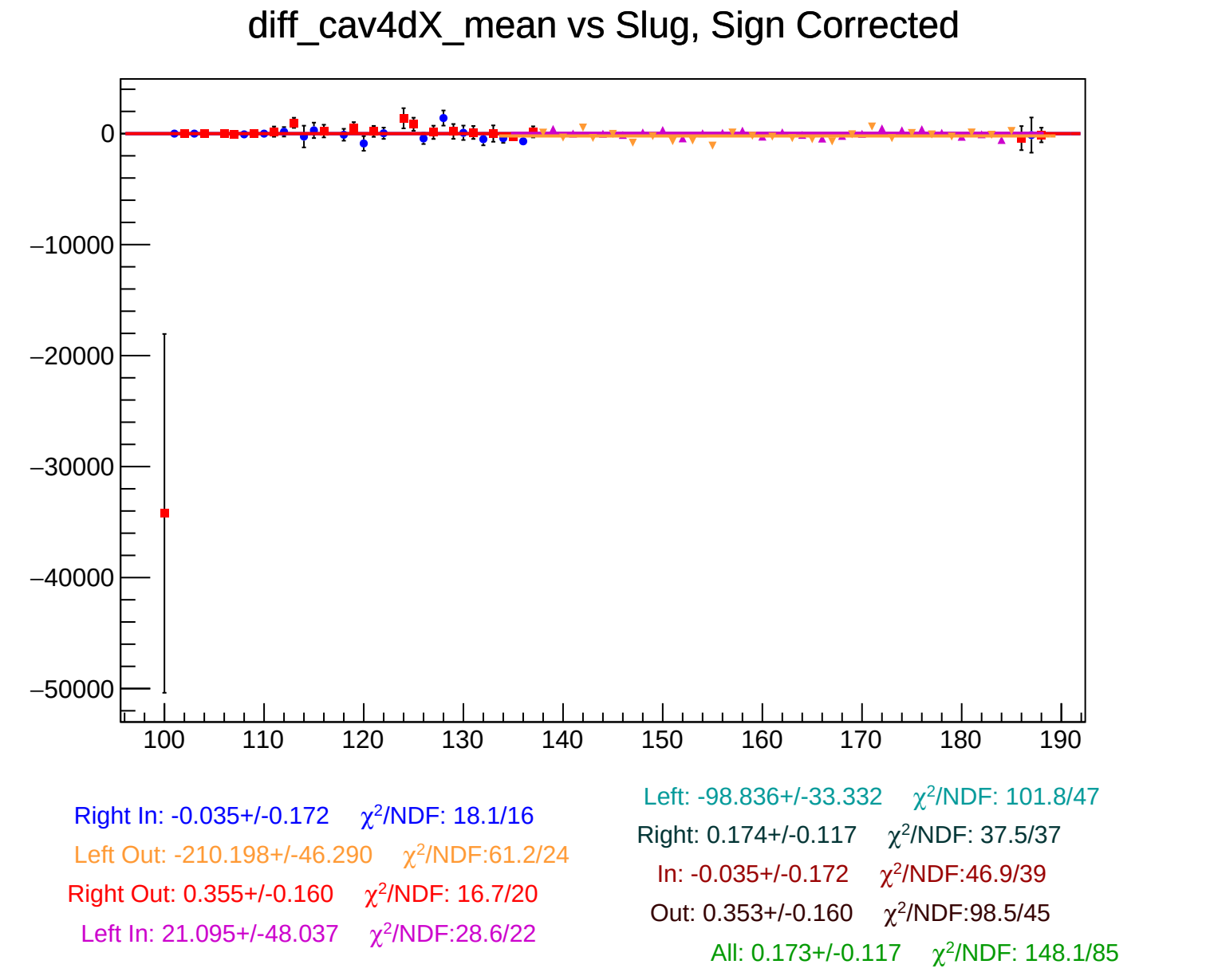
Left: 179698.251+/-20.880 χ^2/NDF: 848994.3/47

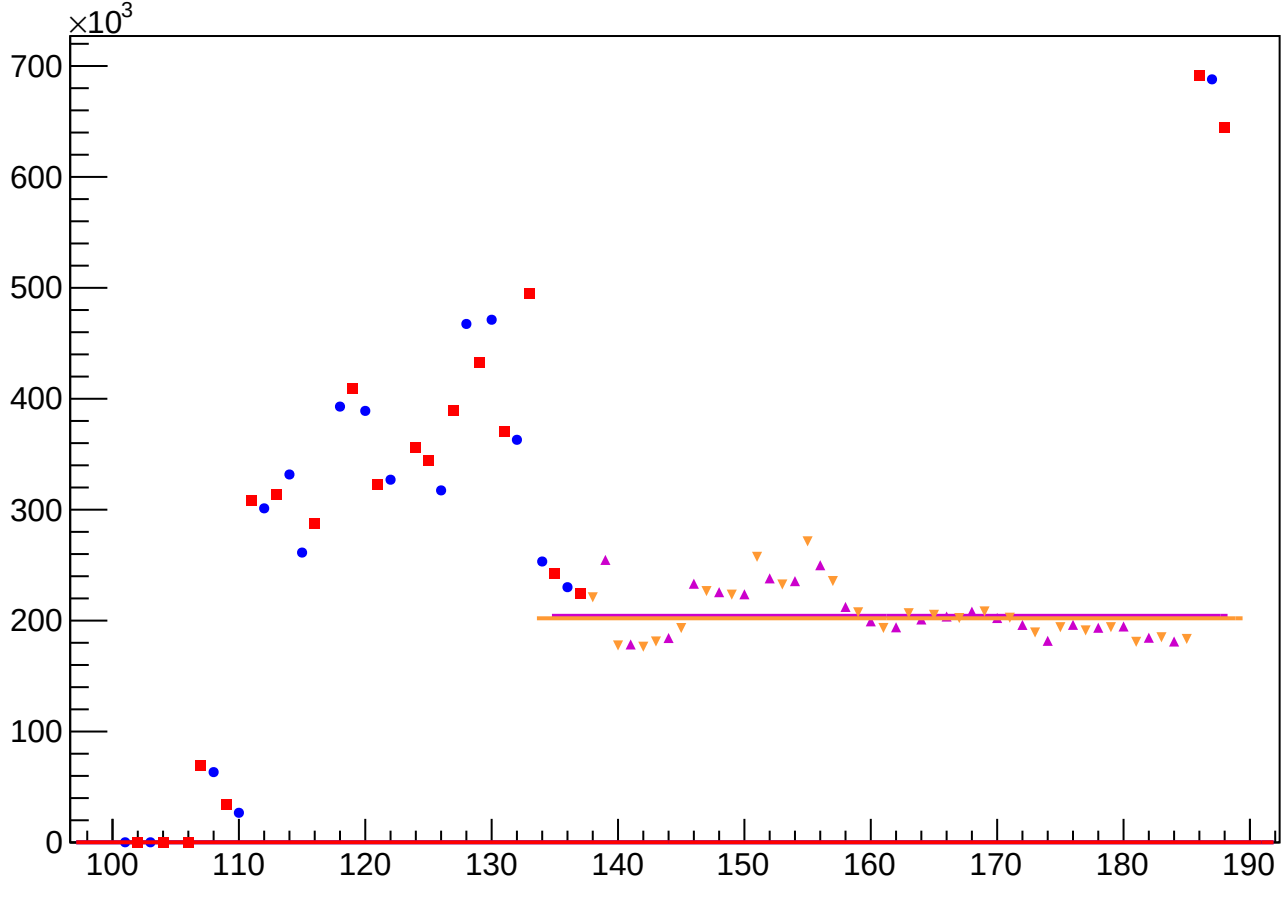
Right: 207430.165+/-42.299 χ^2/NDF: 4163992.7/33

In: 185087.502+/-26.934 χ^2/NDF:2807857.7/38

Out: 185172.525+/-26.044 χ^2/NDF:2550738.4/42

All: 185131.441+/-18.723 χ^2/NDF: 5358601.


diff_cav4dX_mean vs Slug, Sign Corrected
0
−10000
−20000
−30000
−40000
−50000
100
110
120
130
140
150
160
170
180
190
Right In: -0.035+/-0.172 χ²/NDF: 18.1/16
Left Out: -210.198+/-46.290 χ²/NDF:61.2/24
Right Out: 0.355+/-0.160 χ²/NDF: 16.7/20
Left In: 21.095+/-48.037 χ²/NDF:28.6/22
Left: -98.836+/-33.332 χ²/NDF: 101.8/47
Right: 0.174+/-0.117 χ²/NDF: 37.5/37
In: -0.035+/-0.172 χ²/NDF:46.9/39
Out: 0.353+/-0.160 χ²/NDF:98.5/45
All: 0.173+/-0.117 χ²/NDF: 148.1/85



Right In: 149.100+/-0.122 χ^2/NDF: 11678889.8/16

Left Out: 202085.802+/-32.732 χ^2/NDF:434069.3/24

Right Out: 149.432+/-0.113 χ^2/NDF: 14015913.8/19

Left In: 204310.238+/-33.967 χ^2/NDF:377332.3/22

Left: 203156.818+/-23.570 χ^2/NDF: 813625.2/47

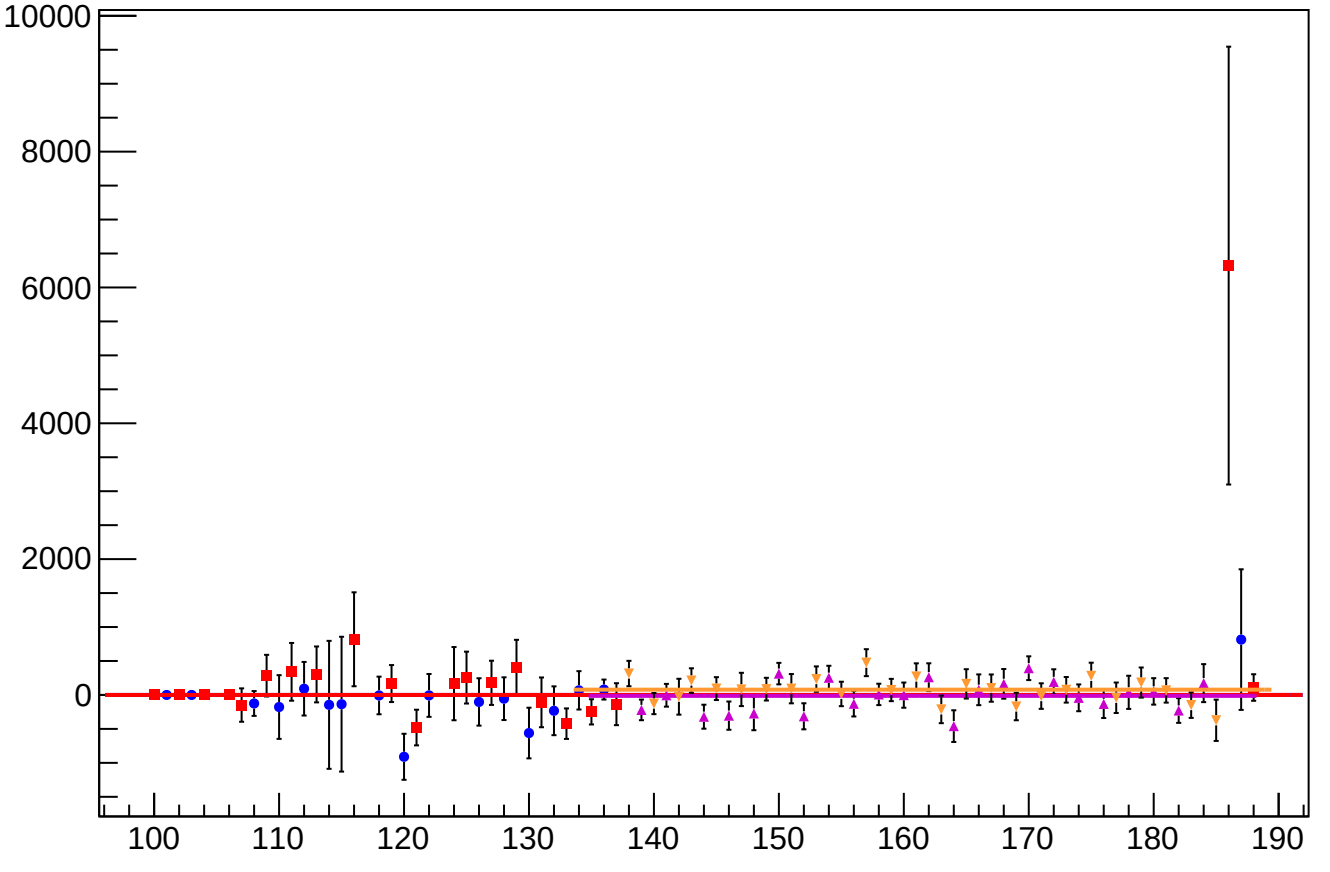
Right: 149.278+/-0.083 χ^2/NDF: 25694807.5/36

In: 151.726+/-0.122 χ^2/NDF:48181706.7/39

Out: 151.848+/-0.113 χ^2/NDF:52511731.0/44

All: 151.791+/-0.083 χ^2/NDF: 100693438.2/8

diff_cav4dY_mean vs Slug, Sign Corrected



Right In: -0.068+/-0.177 χ^2/NDF: 11.8/16

Left Out: 77.572+/-38.921 χ^2/NDF:19.1/24

Right Out: -0.126+/-0.166 χ^2/NDF: 19.4/20

Left In: -13.457+/-39.929 χ^2/NDF:32.7/22

Left: 33.221+/-27.871 χ^2/NDF: 54.4/47

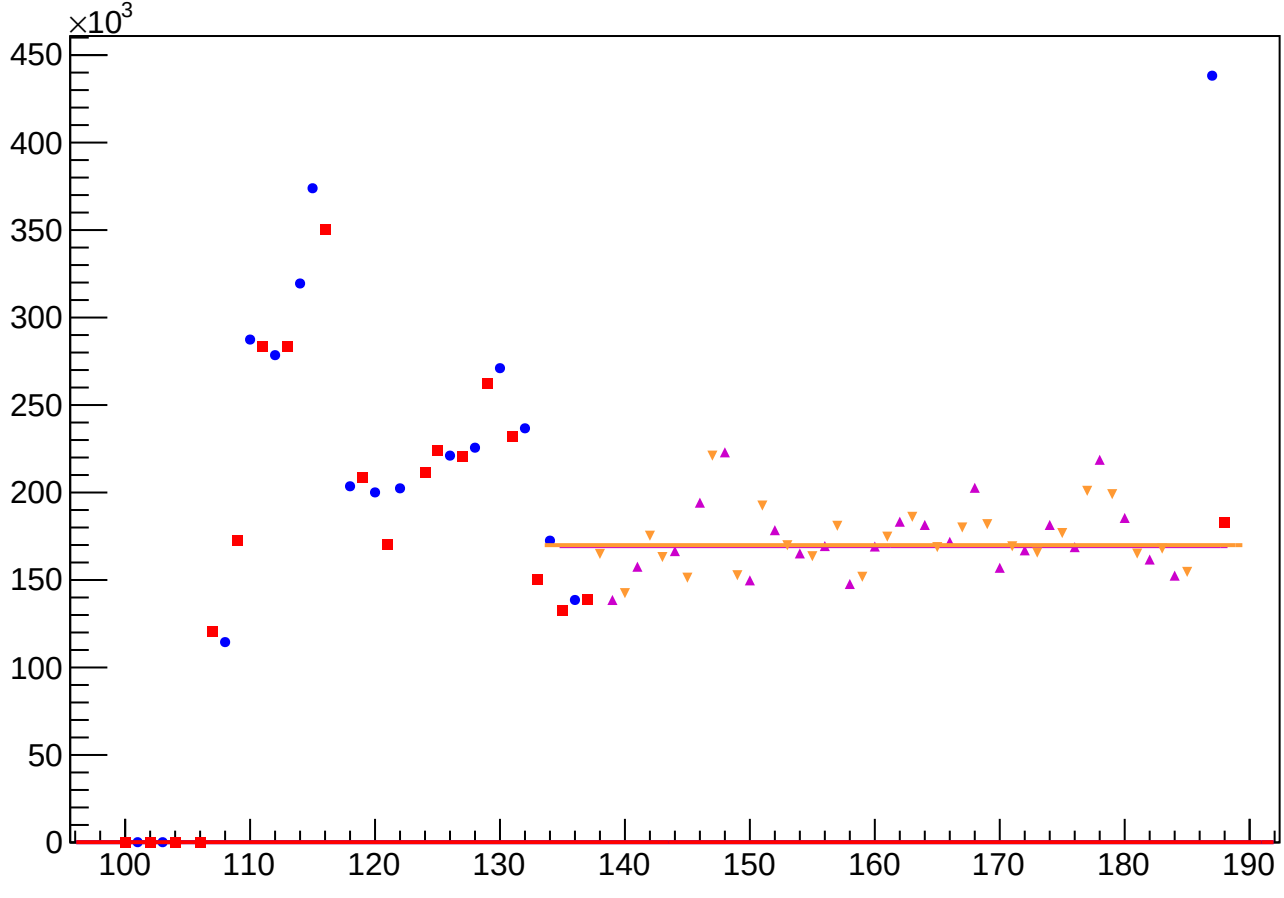
Right: -0.099+/-0.121 χ^2/NDF: 31.3/37

In: -0.068+/-0.177 χ^2/NDF:44.6/39

Out: -0.124+/-0.166 χ^2/NDF:42.5/45

All: -0.098+/-0.121 χ^2/NDF: 87.1/85

diff_cav4dY_rms vs Slug, Sign Corrected



Right In: 153.473+/-0.125 χ^2/NDF: 12263003.9/16

Left Out: 169916.225+/-27.521 χ^2/NDF:363966.0/24

Right Out: 156.290+/-0.118 χ^2/NDF: 13076296.7/19

Left In: 169352.083+/-28.234 χ^2/NDF:474852.1/22

Left: 169641.366+/-19.708 χ^2/NDF: 839022.8/47

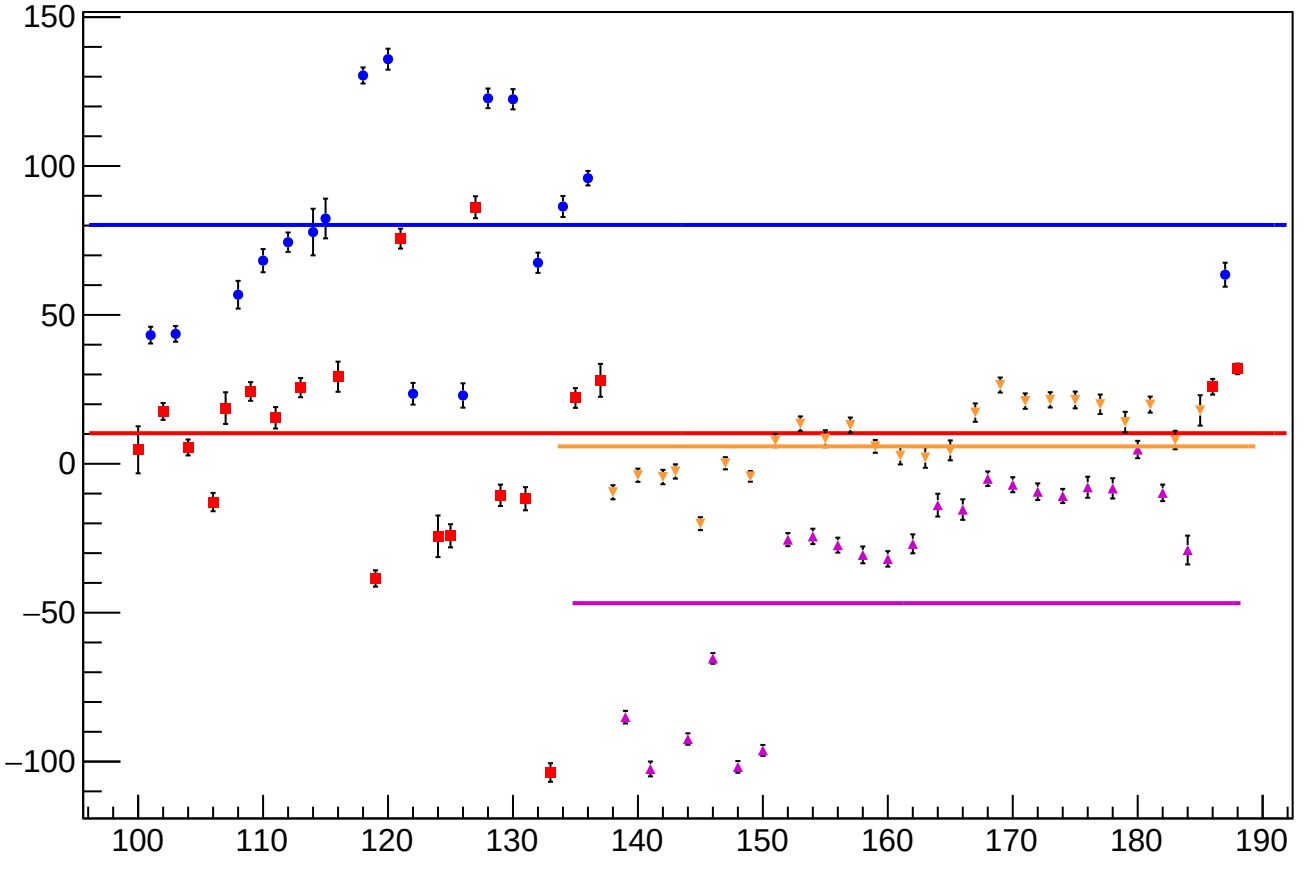
Right: 154.969+/-0.086 χ^2/NDF: 25339569.1/36

In: 156.806+/-0.125 χ^2/NDF:48649074.4/39

Out: 159.396+/-0.118 χ^2/NDF:51487249.7/44

All: 158.182+/-0.086 χ^2/NDF: 100136551.0/8

diff_bpm0i01X_mean vs Slug, Sign Corrected



Right In: 80.209+/-0.833 χ^2/NDF: 1831.8/16

Left Out: 5.852+/-0.514 χ^2/NDF:535.3/24

Right Out: 10.278+/-0.717 χ^2/NDF: 2957.2/20

Left In: -46.796+/-0.524 χ^2/NDF:5175.4/22

Left: -19.940+/-0.367 χ^2/NDF: 10850.6/47

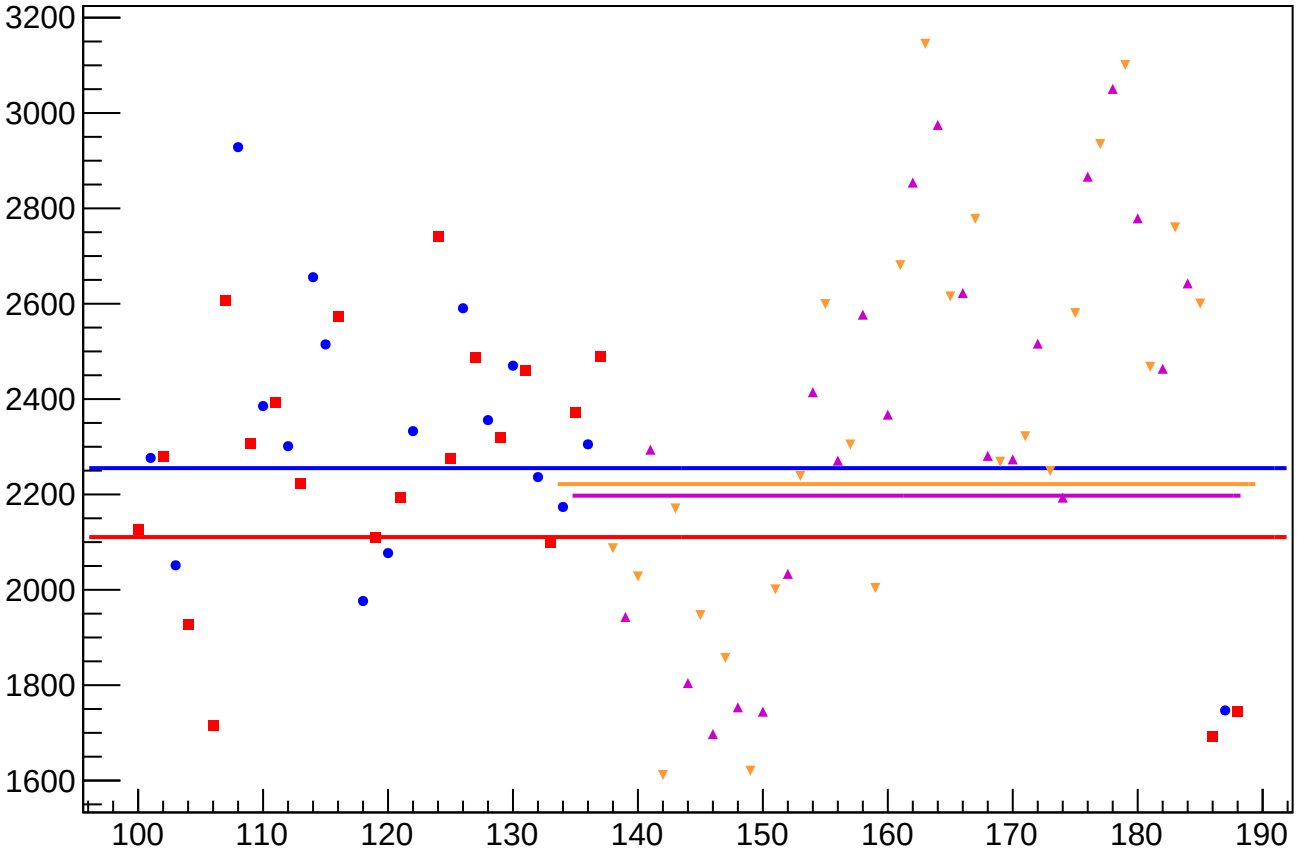
Right: 40.027+/-0.543 χ^2/NDF: 8838.1/37

In: -10.745+/-0.444 χ^2/NDF:23652.2/39

Out: 7.355+/-0.418 χ^2/NDF:3517.7/45

All: -1.146+/-0.304 χ^2/NDF: 28051.7/85

diff_bpm0i01X_rms vs Slug, Sign Corrected



Right In: 2255.195+/-0.589 χ^2/NDF: 148970.5/16

Left Out: 2221.771+/-0.363 χ^2/NDF:1184043.2/24

Right Out: 2110.650+/-0.507 χ^2/NDF: 327204.7/20

Left In: 2197.471+/-0.371 χ^2/NDF:1104663.4/22

Left: 2209.867+/-0.260 χ^2/NDF: 2290896.6/47

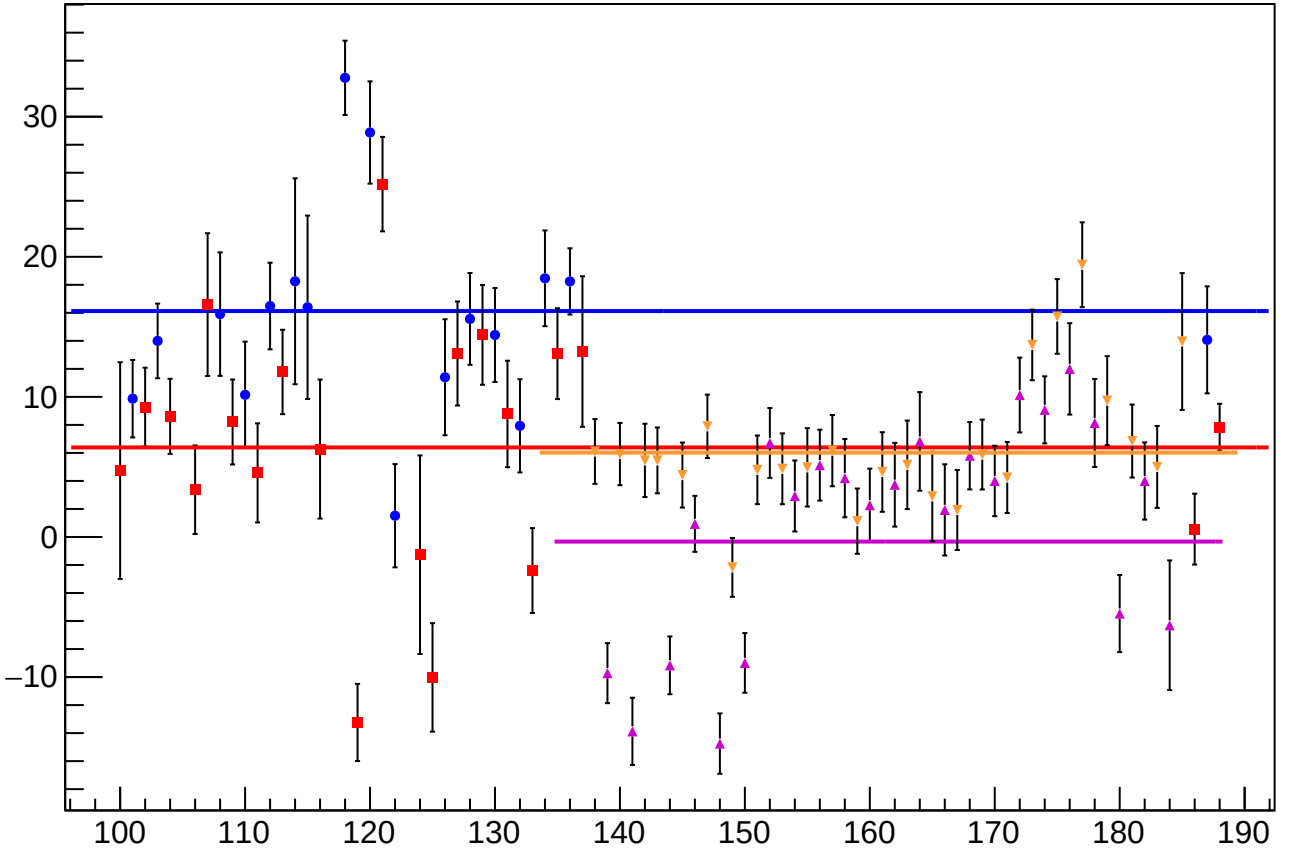
Right: 2172.139+/-0.384 χ^2/NDF: 510772.3/37

In: 2213.857+/-0.314 χ^2/NDF:1260510.5/39

Out: 2184.038+/-0.295 χ^2/NDF:1542991.4/45

All: 2198.043+/-0.215 χ^2/NDF: 2808289.3/85

diff_bpm0i01Y_mean vs Slug, Sign Corrected



Right In: 16.127+/-0.818 χ^2/NDF: 84.8/16

Left Out: 6.022+/-0.521 χ^2/NDF:71.8/24

Right Out: 6.393+/-0.700 χ^2/NDF: 140.7/20

Left In: -0.329+/-0.535 χ^2/NDF:224.9/22

Left: 2.929+/-0.373 χ^2/NDF: 369.1/47

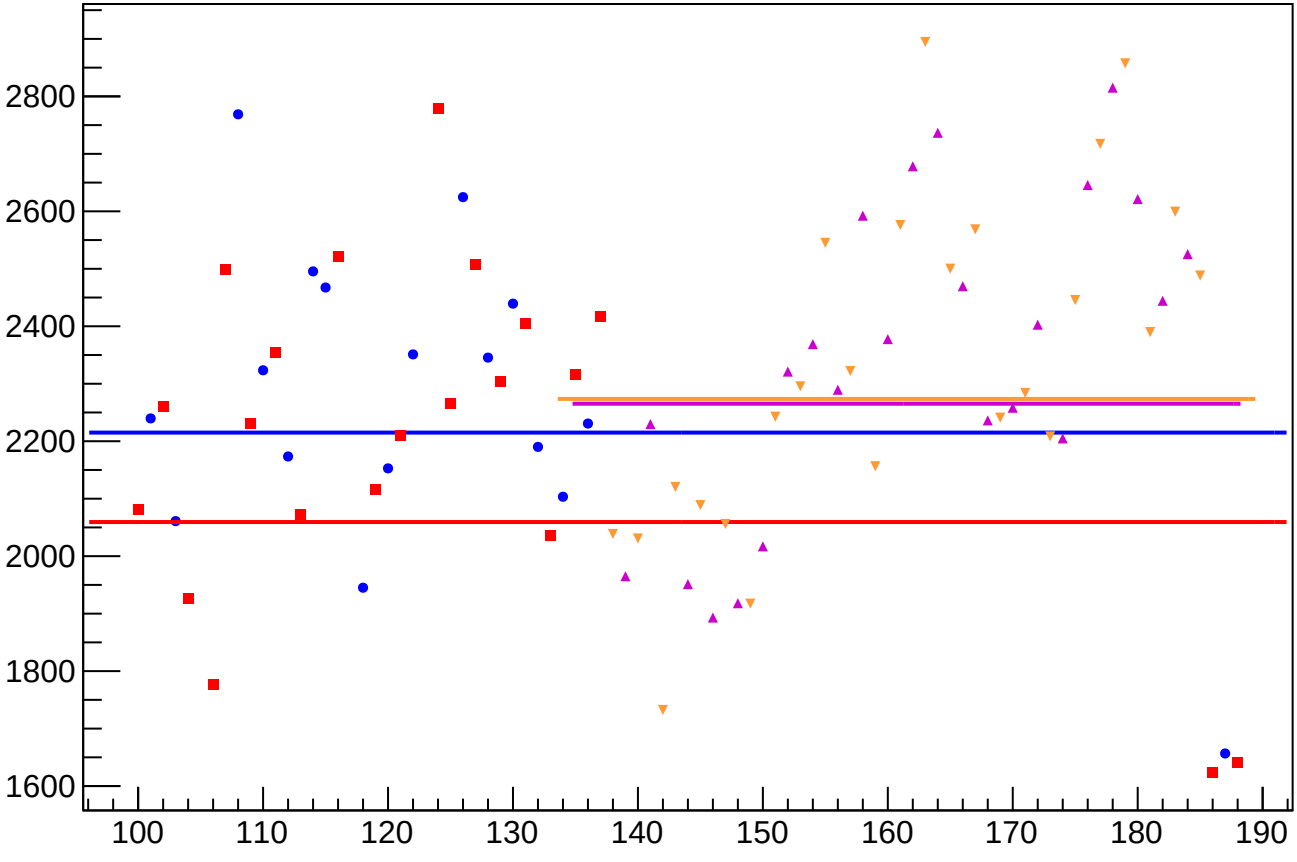
Right: 10.507+/-0.532 χ^2/NDF: 307.3/37

In: 4.594+/-0.448 χ^2/NDF:593.2/39

Out: 6.154+/-0.418 χ^2/NDF:212.7/45

All: 5.428+/-0.305 χ^2/NDF: 812.4/85

diff_bpm0i01Y_rms vs Slug, Sign Corrected



Right In: 2215.024+/-0.579 χ^2/NDF: 147015.9/16

Left Out: 2273.612+/-0.368 χ^2/NDF:536838.6/24

Right Out: 2059.389+/-0.495 χ^2/NDF: 375877.1/20

Left In: 2265.257+/-0.378 χ^2/NDF:495816.5/22

Left: 2269.543+/-0.264 χ^2/NDF: 1032905.7/47

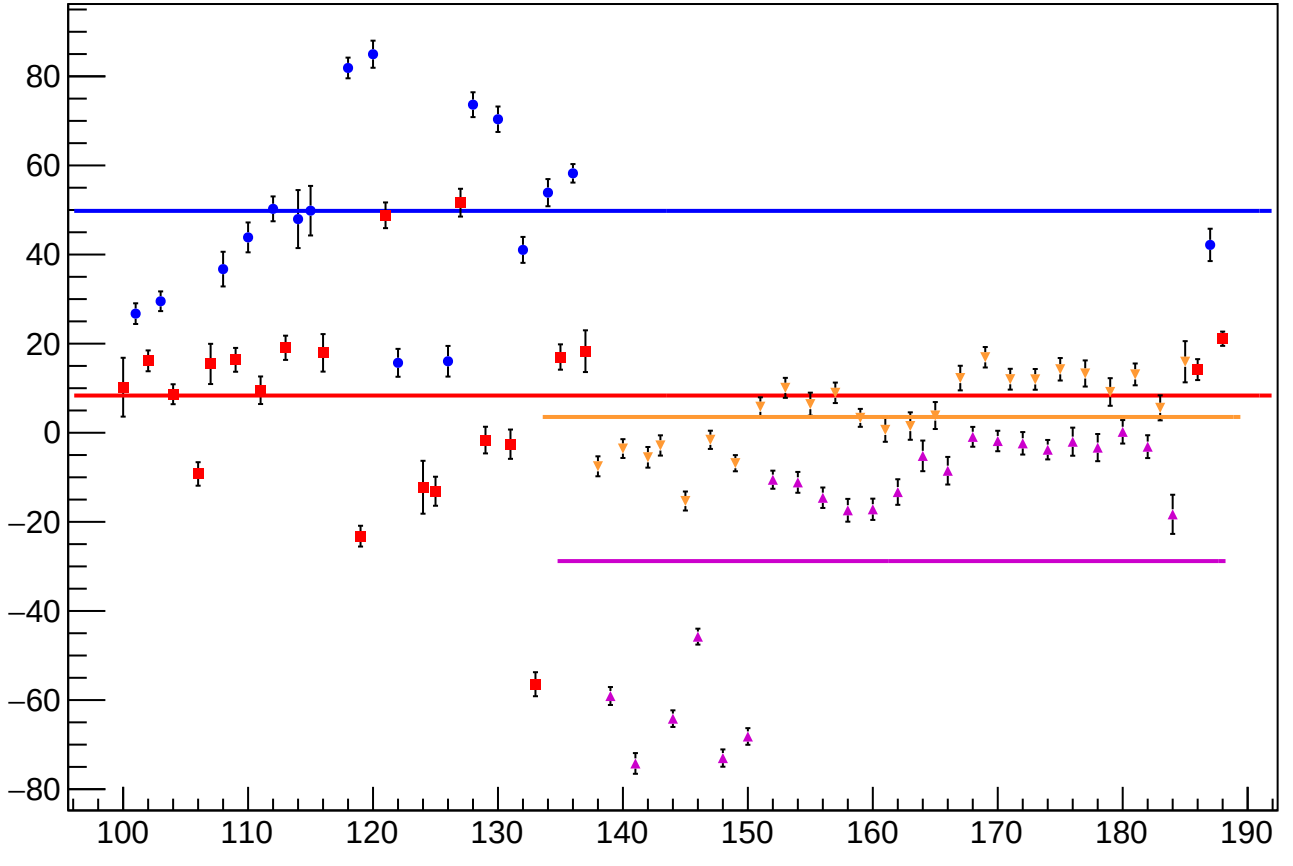
Right: 2125.178+/-0.376 χ^2/NDF: 564671.0/37

In: 2250.228+/-0.316 χ^2/NDF:648115.9/39

Out: 2197.295+/-0.295 χ^2/NDF:1033257.4/45

All: 2221.951+/-0.216 χ^2/NDF: 1696321.1/85

diff_bpm0i01aX_mean vs Slug, Sign Corrected



Right In: 49.800+/-0.708 χ^2/NDF: 893.1/16

Left Out: 3.544+/-0.480 χ^2/NDF:319.8/24

Right Out: 8.354+/-0.615 χ^2/NDF: 1398.8/20

Left In: -28.804+/-0.491 χ^2/NDF:3262.5/22

Left: -12.278+/-0.343 χ^2/NDF: 5801.2/47

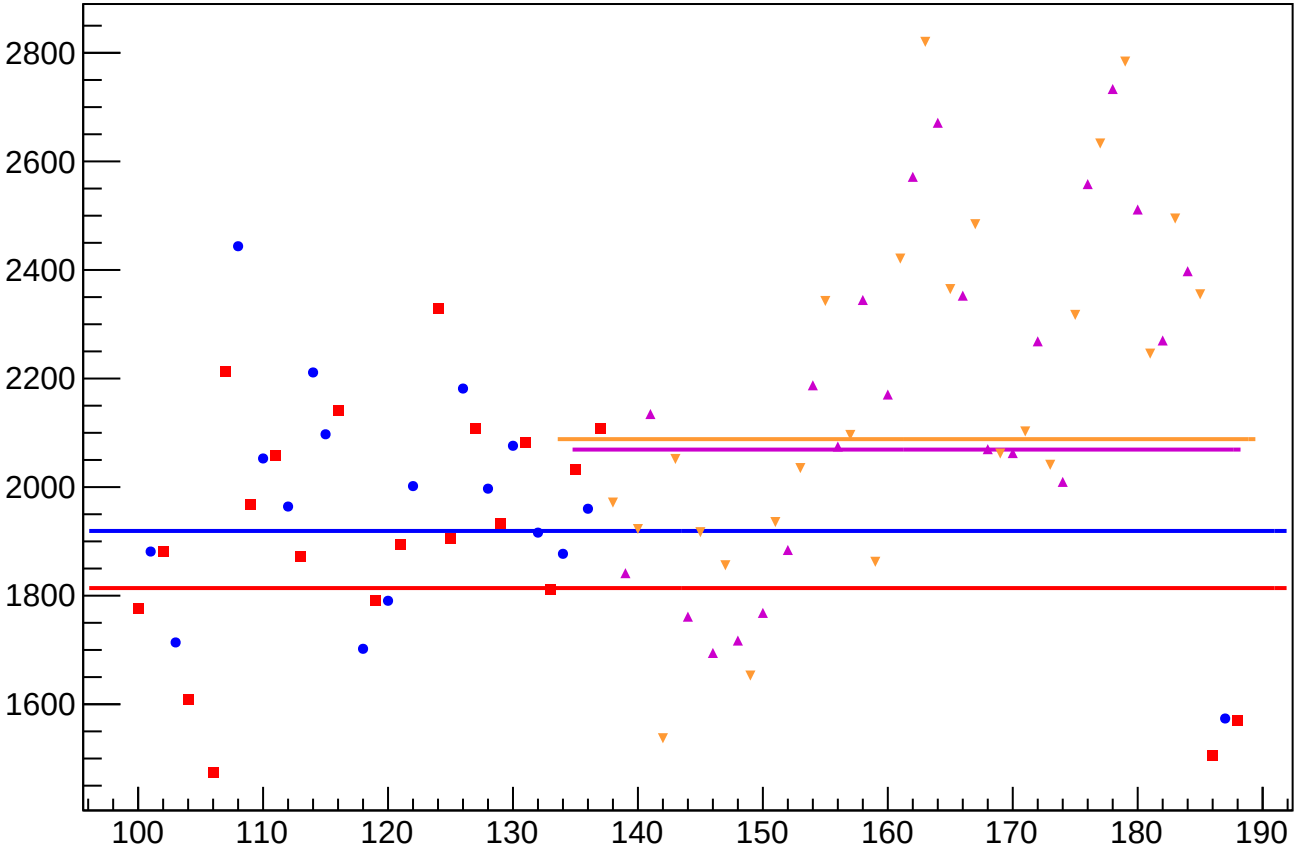
Right: 26.160+/-0.464 χ^2/NDF: 4245.2/37

In: -3.299+/-0.403 χ^2/NDF:12476.4/39

Out: 5.368+/-0.378 χ^2/NDF:1756.7/45

All: 1.311+/-0.276 χ^2/NDF: 14478.6/85

diff_bpm0i01aX_rms vs Slug, Sign Corrected



Right In: 1919.231+/-0.501 χ^2/NDF: 124802.1/16

Left Out: 2088.353+/-0.340 χ^2/NDF:787429.8/24

Right Out: 1814.004+/-0.435 χ^2/NDF: 253030.5/20

Left In: 2069.116+/-0.347 χ^2/NDF:711501.5/22

Left: 2078.944+/-0.243 χ^2/NDF: 1500500.6/47

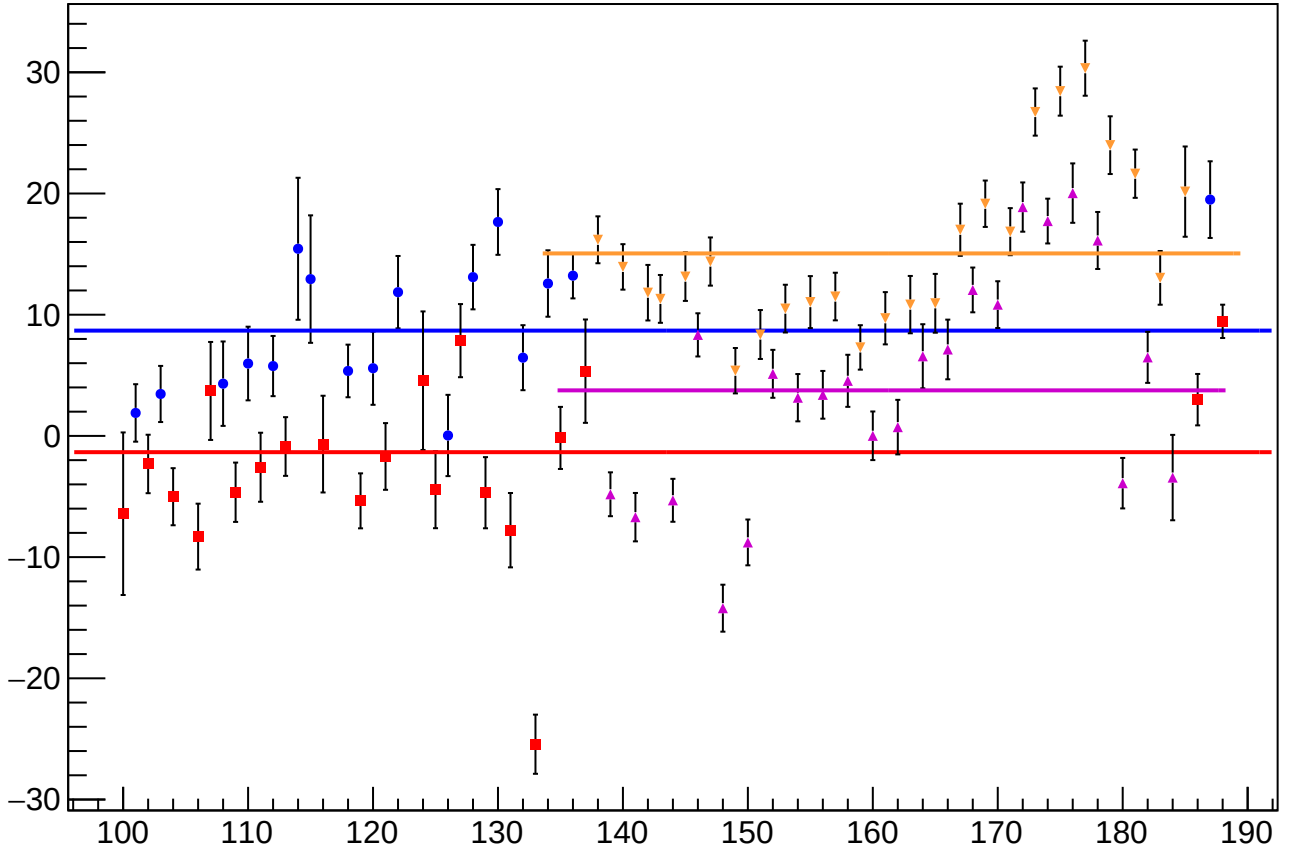
Right: 1859.212+/-0.328 χ^2/NDF: 403013.8/37

In: 2020.482+/-0.285 χ^2/NDF:896811.6/39

Out: 1984.353+/-0.268 χ^2/NDF:1287851.6/45

All: 2001.264+/-0.195 χ^2/NDF: 2193194.9/85

diff_bpm0i01aY_mean vs Slug, Sign Corrected



Right In: 8.688+/-0.668 χ^2/NDF: 64.2/16

Left Out: 15.056+/-0.416 χ^2/NDF:246.2/24

Right Out: -1.342+/-0.576 χ^2/NDF: 199.5/20

Left In: 3.758+/-0.428 χ^2/NDF:459.1/22

Left: 9.570+/-0.298 χ^2/NDF: 1064.0/47

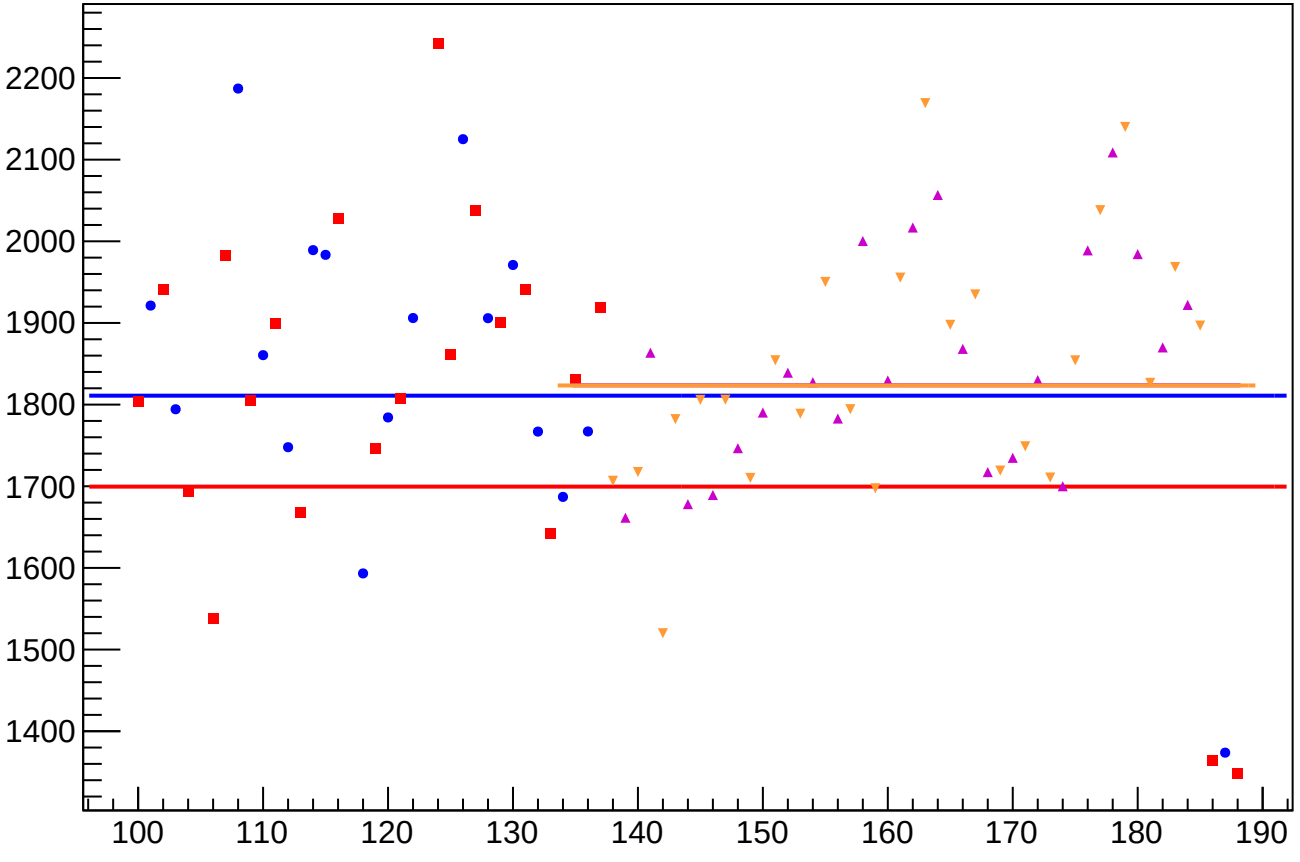
Right: 2.938+/-0.436 χ^2/NDF: 392.8/37

In: 5.192+/-0.360 χ^2/NDF:561.8/39

Out: 9.446+/-0.337 χ^2/NDF:978.1/45

All: 7.460+/-0.246 χ^2/NDF: 1614.2/85

diff_bpm0i01aY_rms vs Slug, Sign Corrected



Right In: 1810.941+/-0.472 χ^2/NDF: 126913.3/16

Left Out: 1823.452+/-0.294 χ^2/NDF:211274.0/24

Right Out: 1699.554+/-0.408 χ^2/NDF: 330986.3/20

Left In: 1823.627+/-0.303 χ^2/NDF:163768.2/22

Left: 1823.537+/-0.211 χ^2/NDF: 375042.4/47

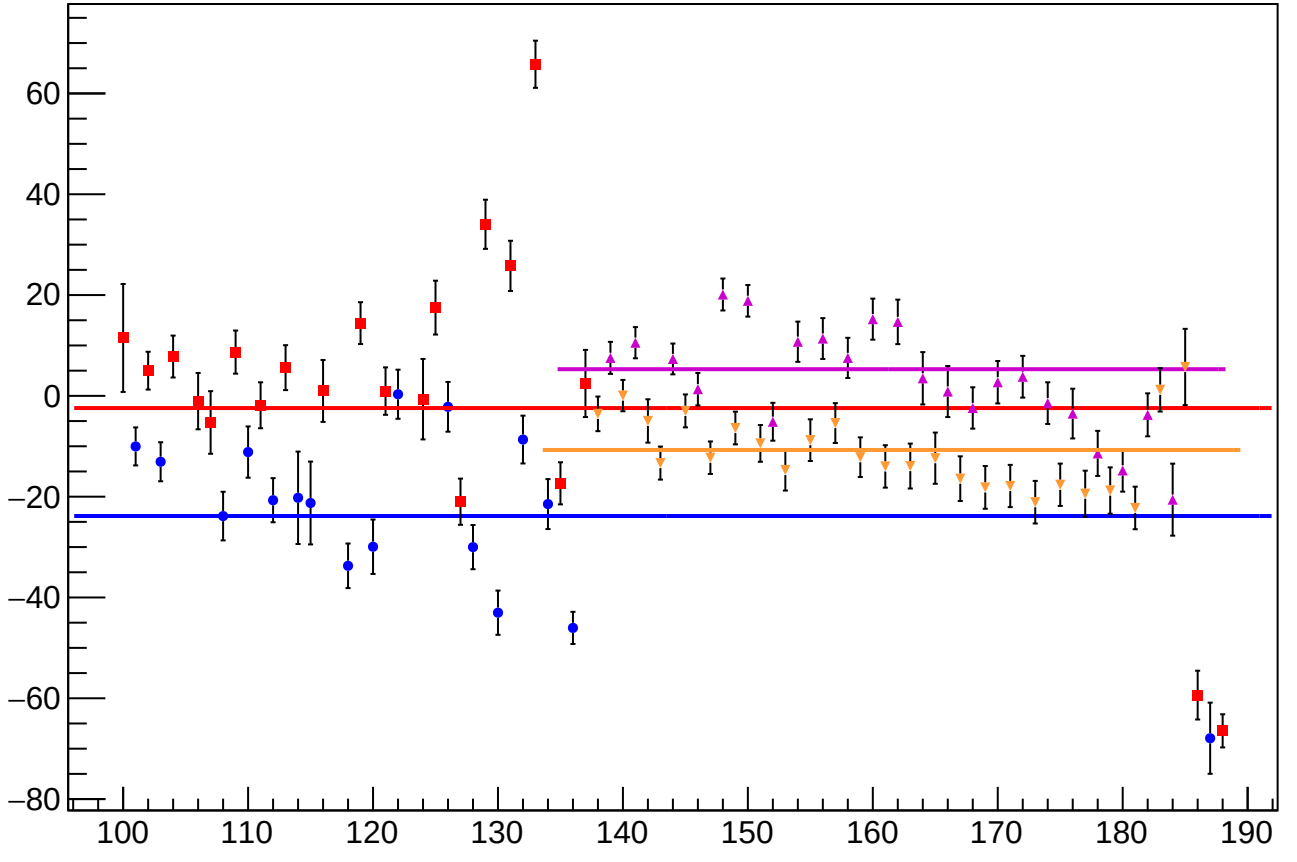
Right: 1747.085+/-0.309 χ^2/NDF: 489765.5/37

In: 1819.938+/-0.255 χ^2/NDF:291192.8/39

Out: 1781.065+/-0.238 χ^2/NDF:603044.7/45

All: 1799.214+/-0.174 χ^2/NDF: 906649.8/85

diff_bpm0l01X_mean vs Slug, Sign Corrected



Right In: -23.837+/-1.137 χ^2/NDF: 197.2/16

Left Out: -10.732+/-0.794 χ^2/NDF:73.8/24

Right Out: -2.419+/-1.043 χ^2/NDF: 901.4/20

Left In: 5.291+/-0.814 χ^2/NDF:133.6/22

Left: -2.925+/-0.568 χ^2/NDF: 405.9/47

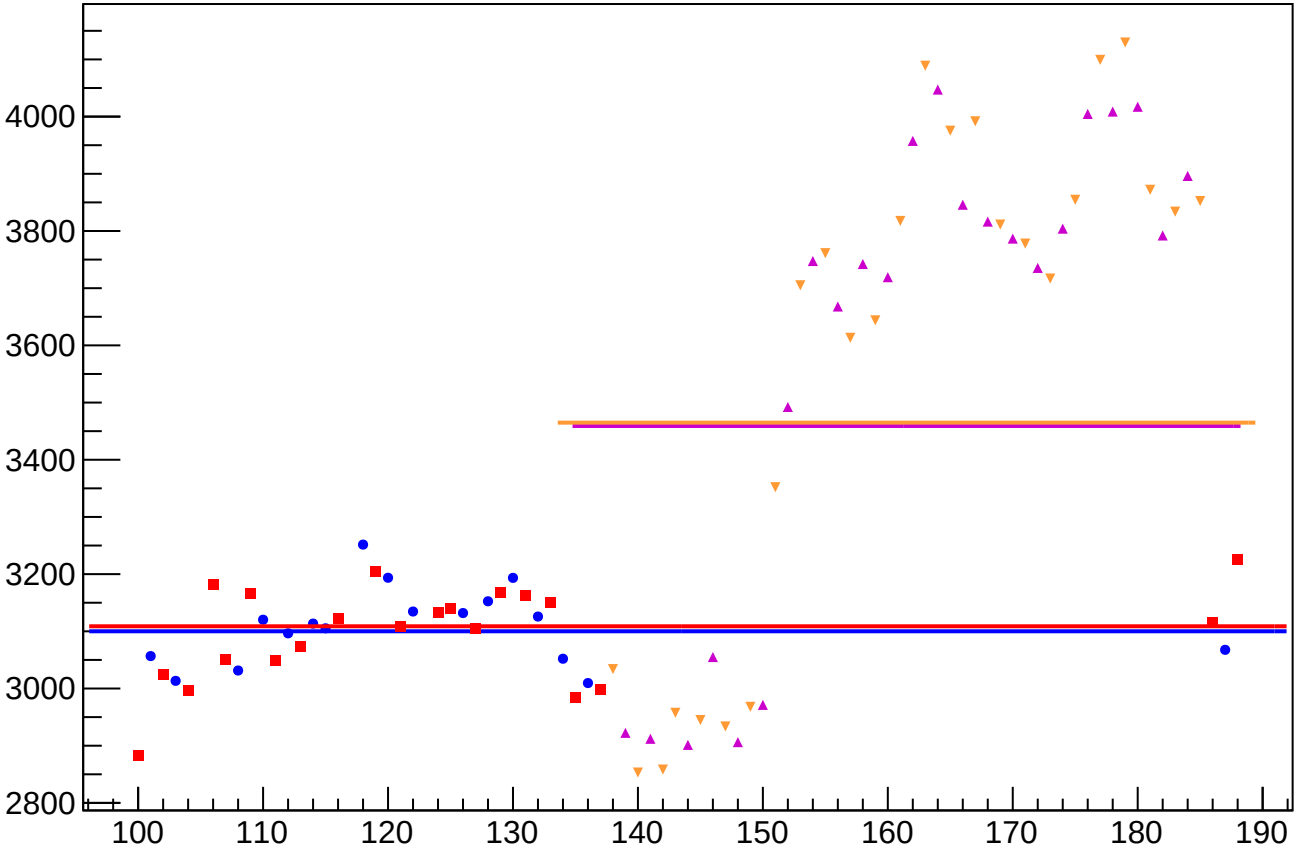
Right: -12.203+/-0.768 χ^2/NDF: 1291.4/37

In: -4.586+/-0.662 χ^2/NDF:764.7/39

Out: -7.682+/-0.632 χ^2/NDF:1015.4/45

All: -6.206+/-0.457 χ^2/NDF: 1791.6/85

diff_bpm0l01X_rms vs Slug, Sign Corrected



Right In: 3100.077+/-0.804 χ^2/NDF: 7937.0/16

Left Out: 3464.906+/-0.561 χ^2/NDF:644023.5/24

Right Out: 3108.815+/-0.737 χ^2/NDF: 11426.6/20

Left In: 3459.050+/-0.576 χ^2/NDF:583309.1/22

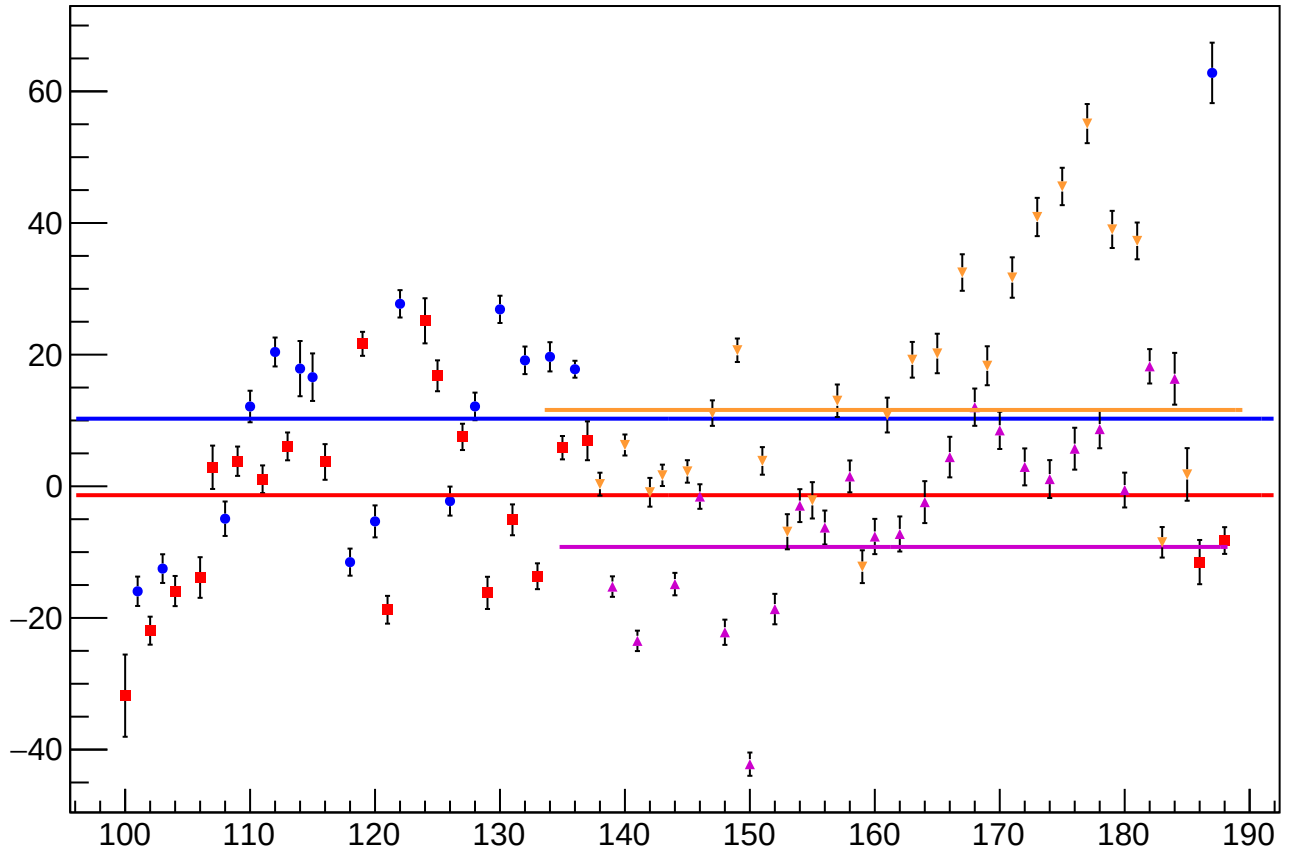
Left: 3462.053+/-0.402 χ^2/NDF: 1227385.7/47

Right: 3104.823+/-0.543 χ^2/NDF: 19427.8/37

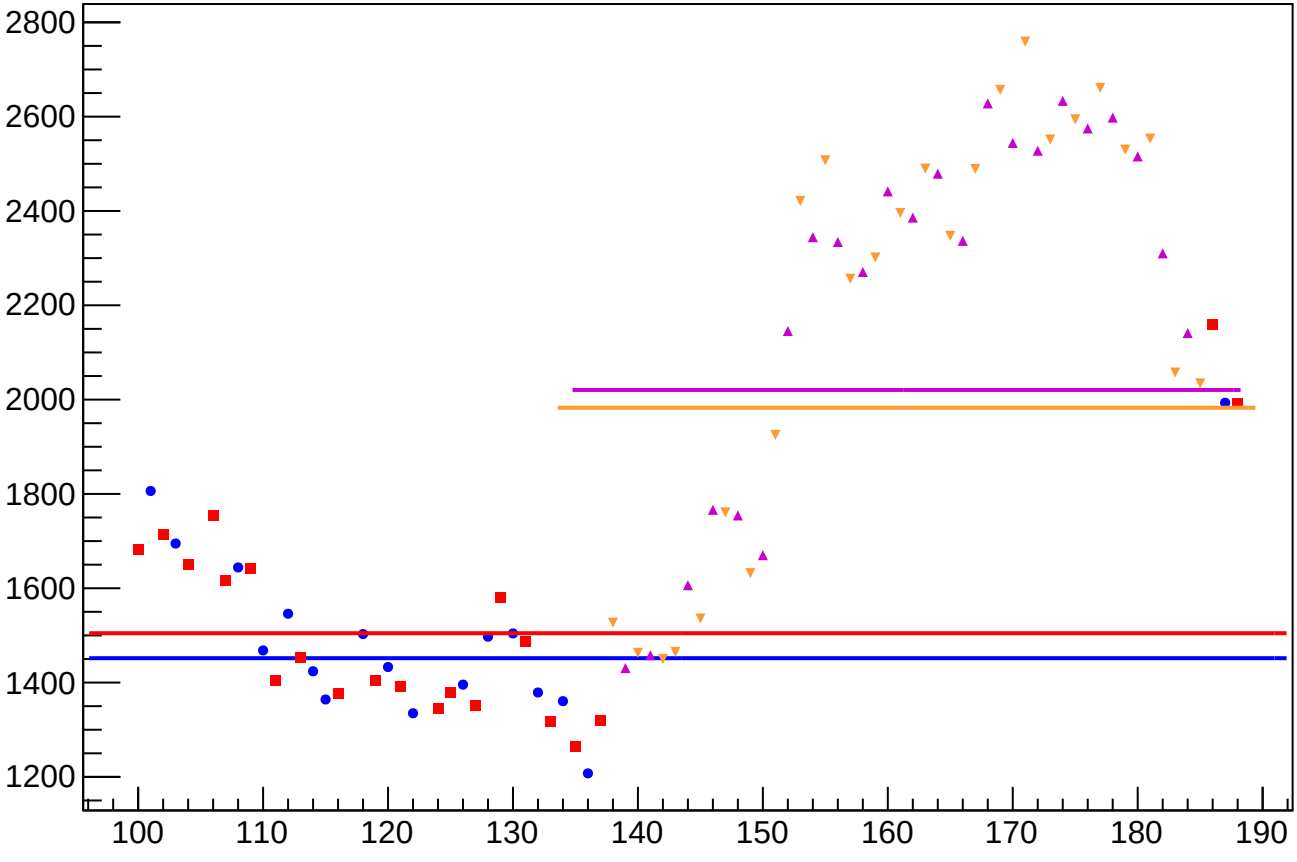
In: 3337.332+/-0.468 χ^2/NDF:723032.2/39

Out: 3334.232+/-0.447 χ^2/NDF:803137.3/45

All: 3335.709+/-0.323 χ^2/NDF: 1526192.5/85


diff_bpm0l01Y_mean vs Slug, Sign Corrected
60
40
20
0
−20
−40
100
110
120
130
140
150
160
170
180
190
Right In: 10.271+/-0.538 χ²/NDF: 831.5/16
Left Out: 11.599+/-0.463 χ²/NDF:1196.9/24
Right Out: -1.353+/-0.511 χ²/NDF: 688.4/20
Left In: -9.213+/-0.484 χ²/NDF:940.6/22
Left: 1.641+/-0.335 χ²/NDF: 3102.6/47
Right: 4.159+/-0.370 χ²/NDF: 1765.6/37
In: -0.494+/-0.360 χ²/NDF:2497.8/39
Out: 5.749+/-0.343 χ²/NDF:2238.1/45
All: 2.774+/-0.248 χ²/NDF: 4893.7/85

diff_bpm0l01Y_rms vs Slug, Sign Corrected



Right In: 1451.717+/-0.380 χ^2/NDF: 208369.0/16

Left Out: 1982.871+/-0.328 χ^2/NDF:1977669.4/24

Right Out: 1504.713+/-0.361 χ^2/NDF: 351598.3/20

Left In: 2020.468+/-0.342 χ^2/NDF:1614691.2/22

Left: 2000.860+/-0.237 χ^2/NDF: 3598659.4/47

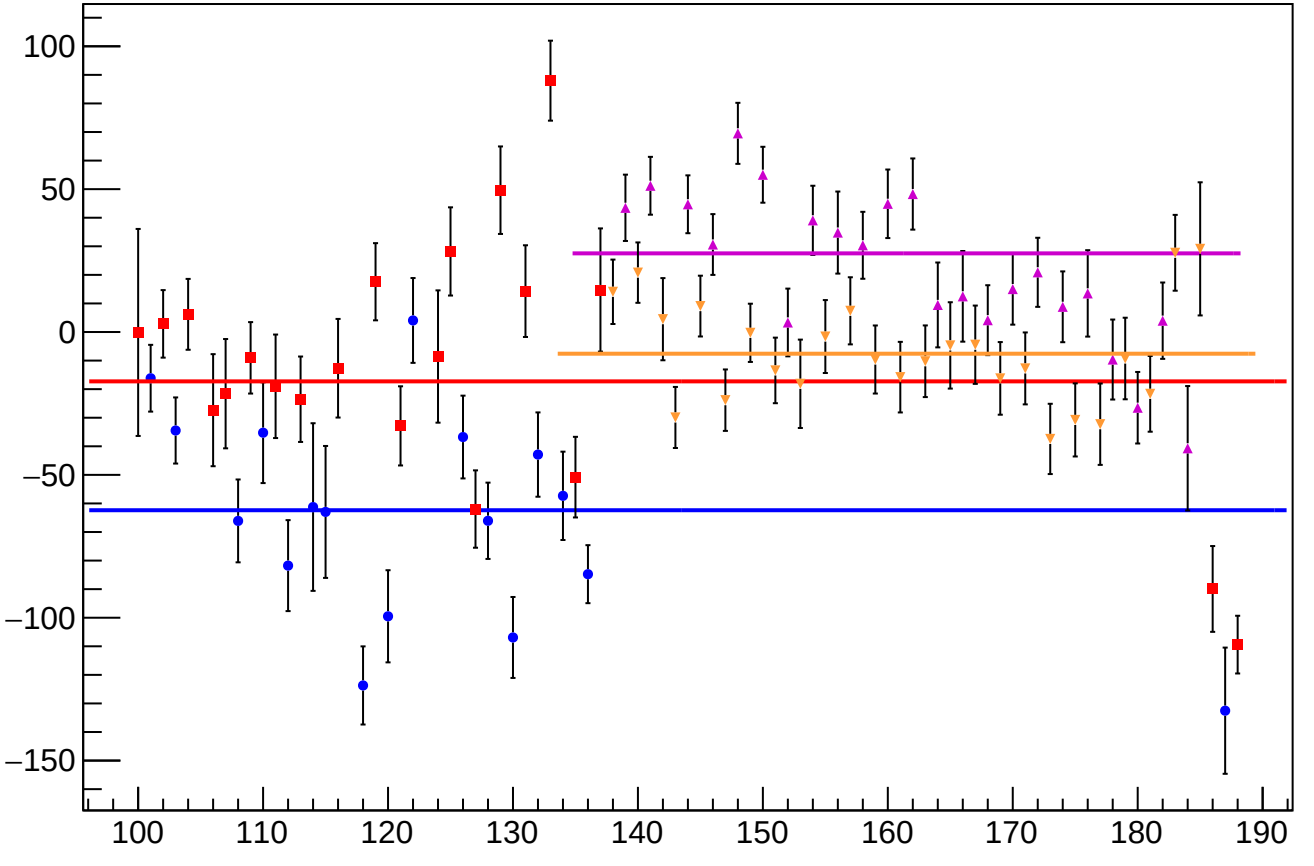
Right: 1479.580+/-0.262 χ^2/NDF: 570186.8/37

In: 1765.950+/-0.254 χ^2/NDF:3059922.6/39

Out: 1766.879+/-0.243 χ^2/NDF:3291096.6/45

All: 1766.436+/-0.176 χ^2/NDF: 6351026.2/85

diff_bpm0l02X_mean vs Slug, Sign Corrected



Right In: -62.377+/-3.550 χ^2/NDF: 100.7/16

Left Out: -7.594+/-2.495 χ^2/NDF:47.9/24

Right Out: -17.274+/-3.263 χ^2/NDF: 229.3/20

Left In: 27.528+/-2.556 χ^2/NDF:93.0/22

Left: 9.540+/-1.786 χ^2/NDF: 237.6/47

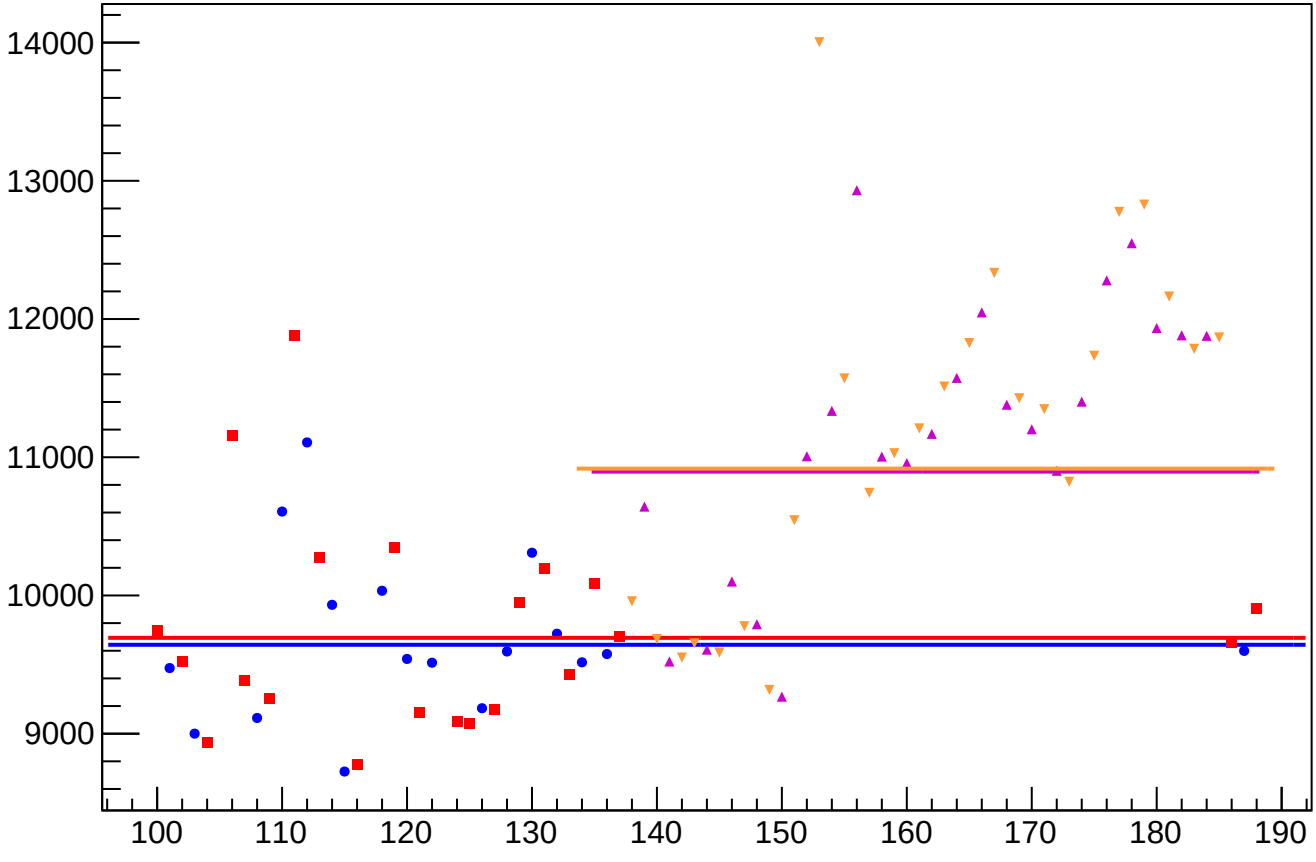
Right: -37.934+/-2.402 χ^2/NDF: 417.5/37

In: -3.180+/-2.074 χ^2/NDF:616.1/39

Out: -11.165+/-1.982 χ^2/NDF:282.8/45

All: -7.354+/-1.433 χ^2/NDF: 906.7/85

diff_bpm0l02X_rms vs Slug, Sign Corrected



Right In: 9643.225+/-2.510 χ^2/NDF: 44109.8/16

Left Out: 10917.711+/-1.764 χ^2/NDF:425841.1/24

Right Out: 9693.461+/-2.307 χ^2/NDF: 80879.9/20

Left In: 10895.992+/-1.808 χ^2/NDF:298059.2/22

Left: 10907.115+/-1.263 χ^2/NDF: 723974.2/47

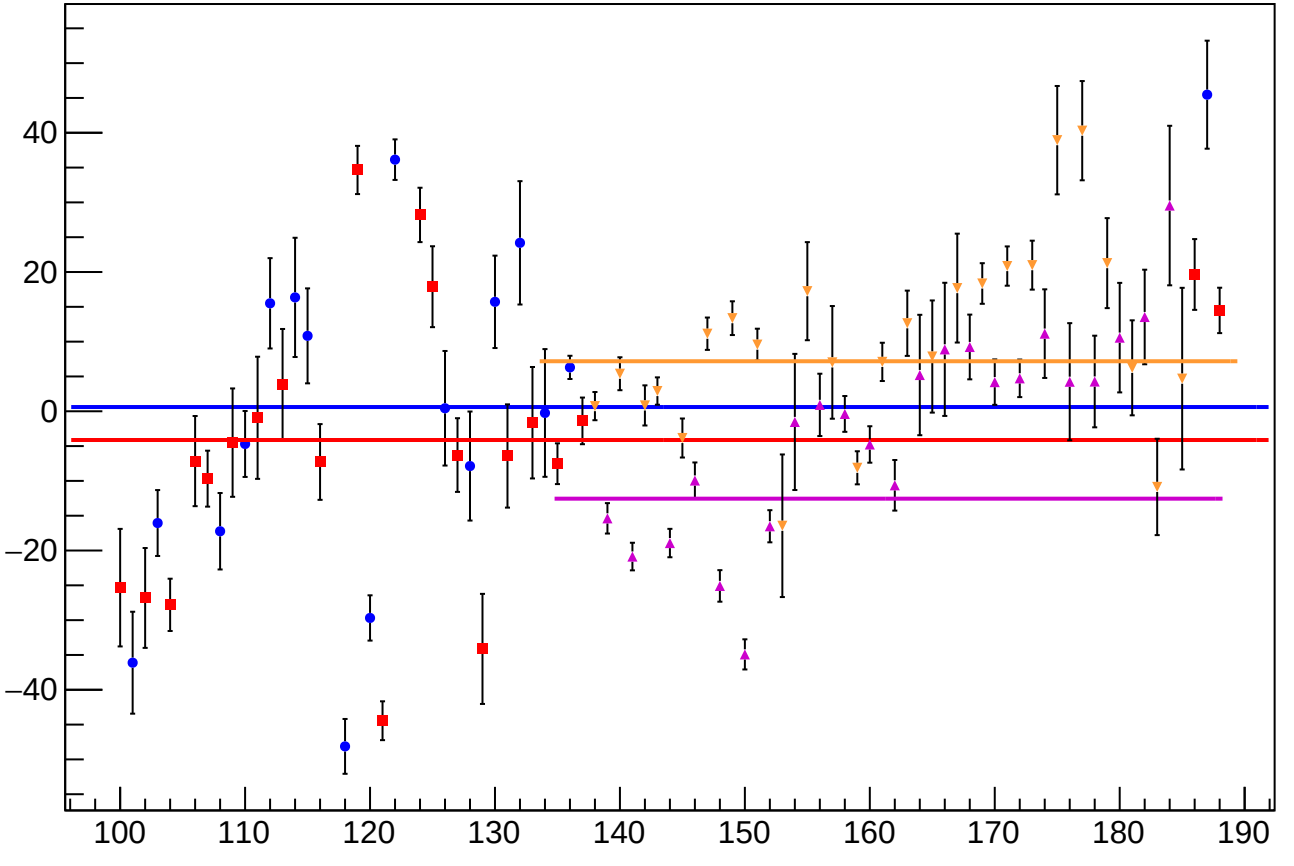
Right: 9670.450+/-1.699 χ^2/NDF: 125206.8/37

In: 10468.099+/-1.467 χ^2/NDF:506209.7/39

Out: 10466.053+/-1.402 χ^2/NDF:684366.2/45

All: 10467.030+/-1.013 χ^2/NDF: 1190576.9/8

diff_bpm0l02Y_mean vs Slug, Sign Corrected



Right In: 0.609+/-1.036 χ^2/NDF: 507.8/16

Left Out: 7.185+/-0.654 χ^2/NDF:201.7/24

Right Out: -4.127+/-1.000 χ^2/NDF: 548.3/20

Left In: -12.553+/-0.661 χ^2/NDF:372.1/22

Left: -2.580+/-0.465 χ^2/NDF: 1025.0/47

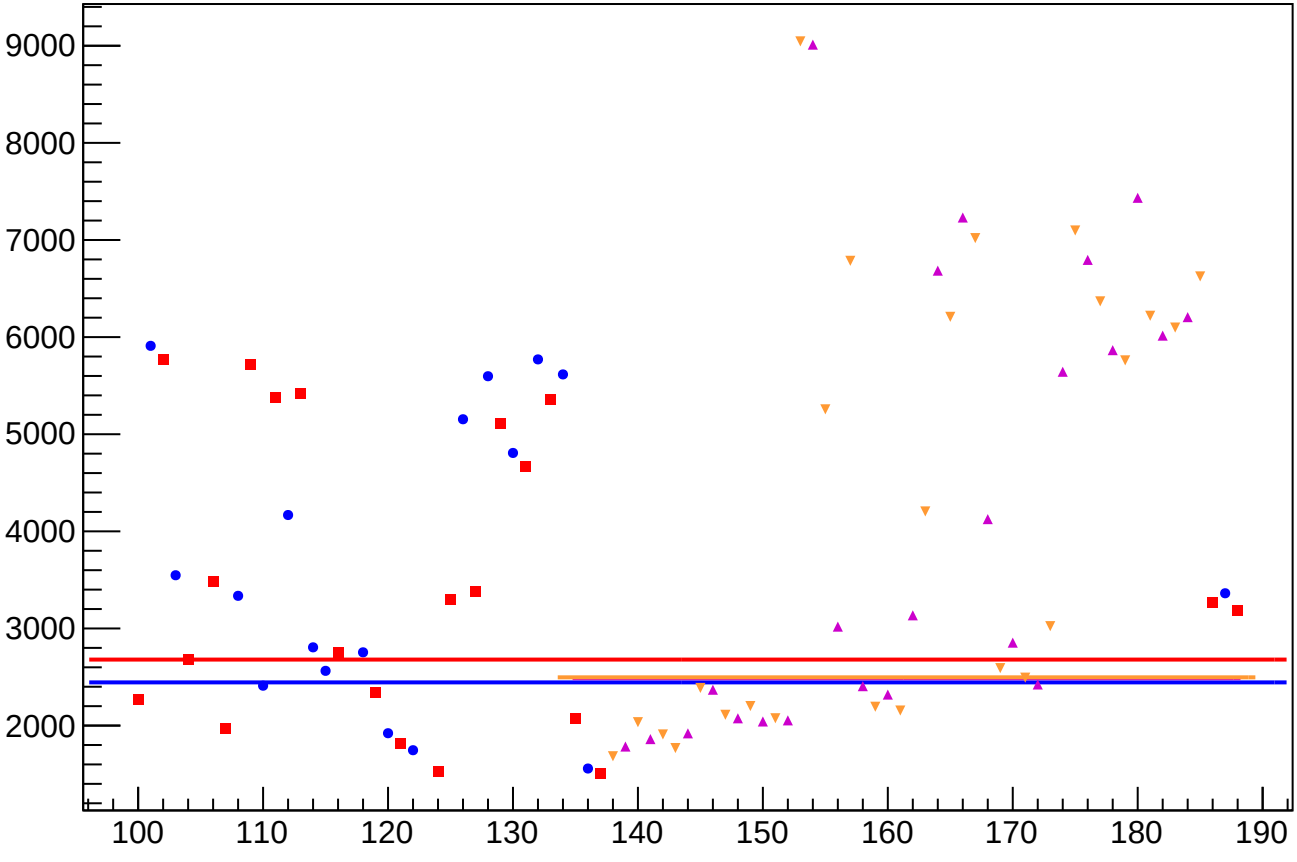
Right: -1.843+/-0.719 χ^2/NDF: 1066.9/37

In: -8.749+/-0.557 χ^2/NDF:994.6/39

Out: 3.798+/-0.547 χ^2/NDF:839.7/45

All: -2.363+/-0.390 χ^2/NDF: 2092.6/85

diff_bpm0l02Y_rms vs Slug, Sign Corrected



Right In: 2444.745+/-0.733 χ^2/NDF: 2843835.7/16

Left Out: 2496.801+/-0.462 χ^2/NDF:7205827.8/24

Right Out: 2679.628+/-0.707 χ^2/NDF: 2601656.0/20

Left In: 2487.721+/-0.467 χ^2/NDF:6103466.5/22

Left: 2492.309+/-0.329 χ^2/NDF: 13309485.2/47

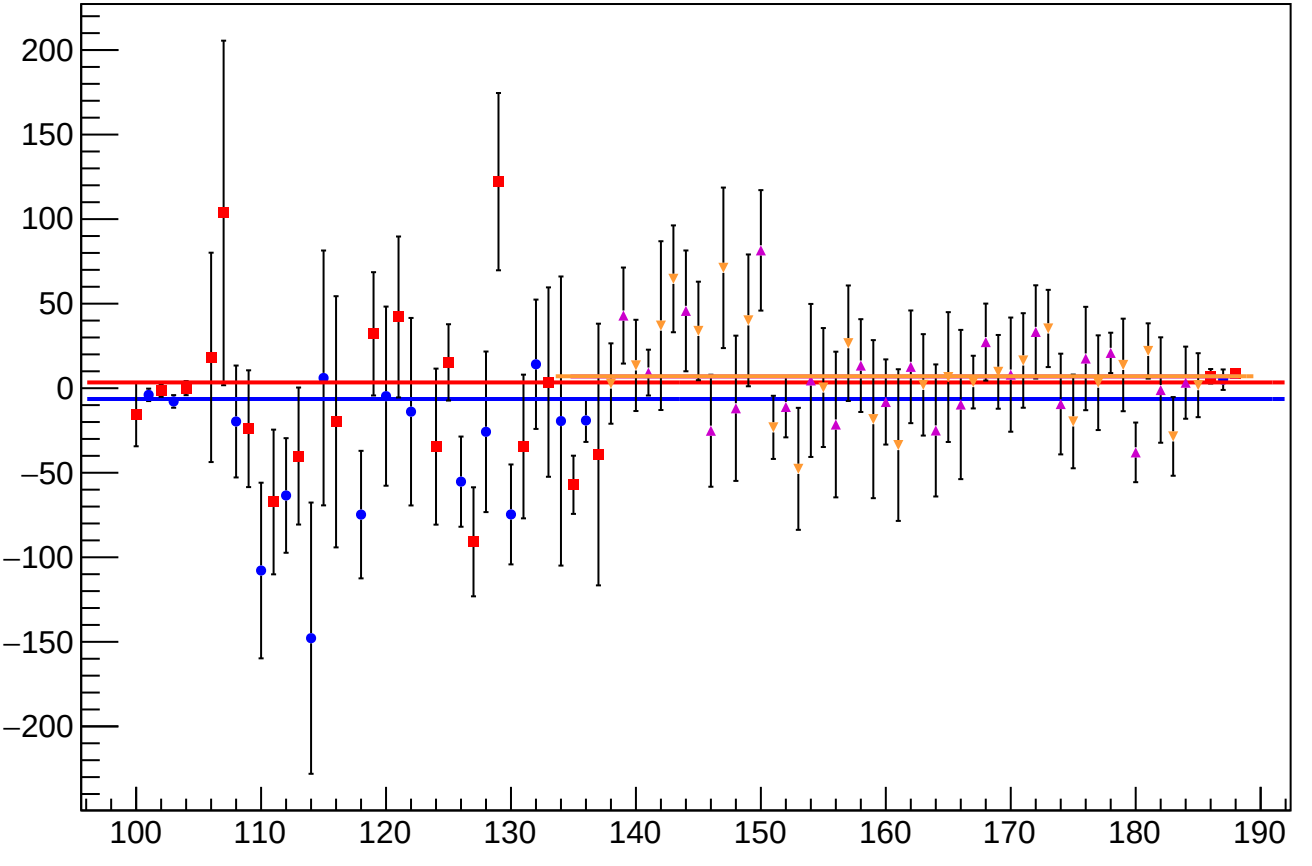
Right: 2566.357+/-0.509 χ^2/NDF: 5498720.4/37

In: 2475.300+/-0.394 χ^2/NDF:8949749.1/39

Out: 2551.541+/-0.387 χ^2/NDF:9854335.0/45

All: 2514.102+/-0.276 χ^2/NDF: 18823157.5/8

diff_bpm0l03X_mean vs Slug, Sign Corrected



Right In: -6.384+/-2.310 χ^2/NDF: 27.6/16

Left Out: 7.059+/-5.227 χ^2/NDF:19.6/24

Right Out: 3.416+/-1.753 χ^2/NDF: 42.8/20

Left In: 6.944+/-5.090 χ^2/NDF:21.1/22

Left: 7.000+/-3.647 χ^2/NDF: 40.7/47

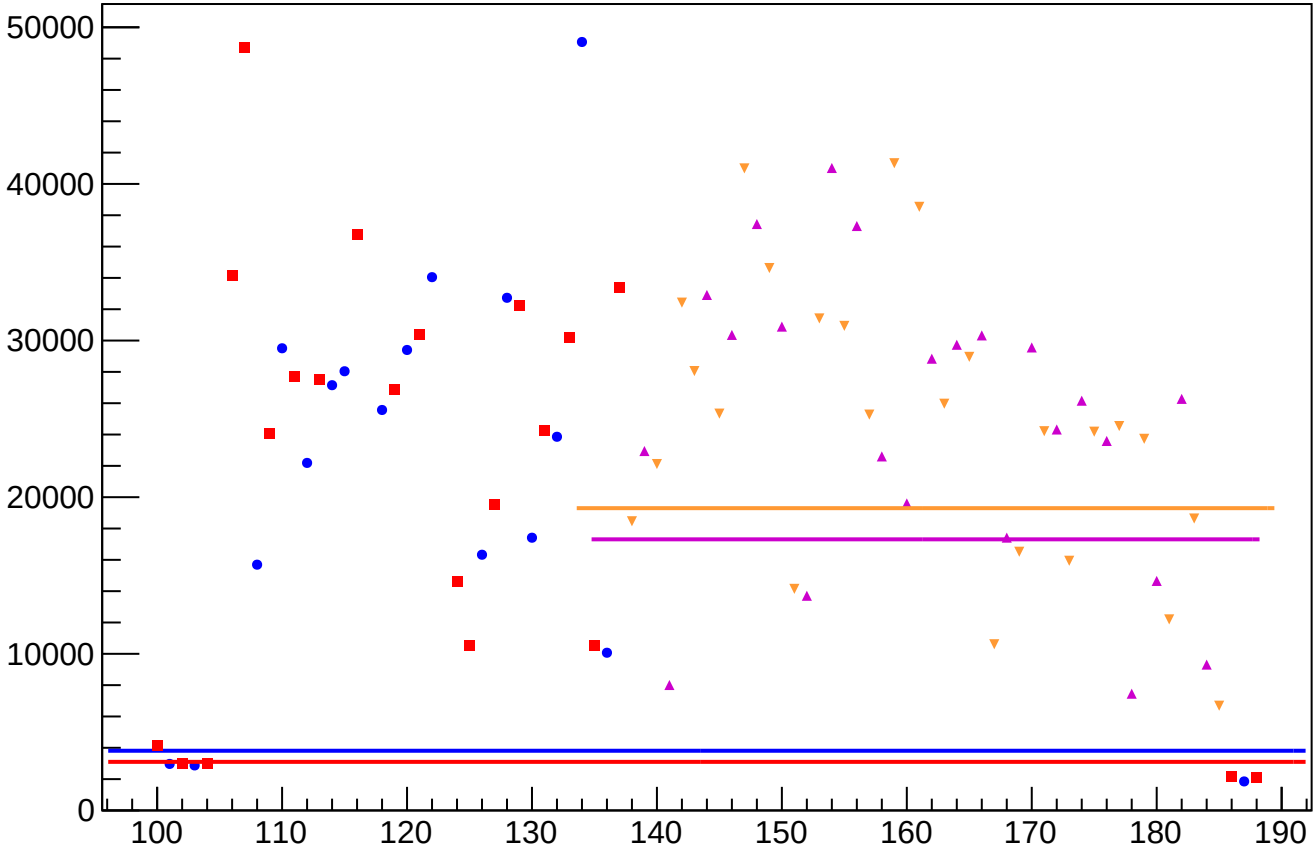
Right: -0.164+/-1.396 χ^2/NDF: 81.8/37

In: -4.108+/-2.104 χ^2/NDF:54.4/39

Out: 3.784+/-1.662 χ^2/NDF:62.8/45

All: 0.752+/-1.304 χ^2/NDF: 125.9/85

diff_bpm0l03X_rms vs Slug, Sign Corrected



Right In: 3811.788+/-1.634 χ^2/NDF: 7082107.1/16

Left Out: 19299.351+/-3.696 χ^2/NDF:5037014.9/24

Right Out: 3102.516+/-1.239 χ^2/NDF: 8429441.4/20

Left In: 17309.081+/-3.600 χ^2/NDF:6719993.9/22

Left: 18277.793+/-2.579 χ^2/NDF: 11905813.9/47

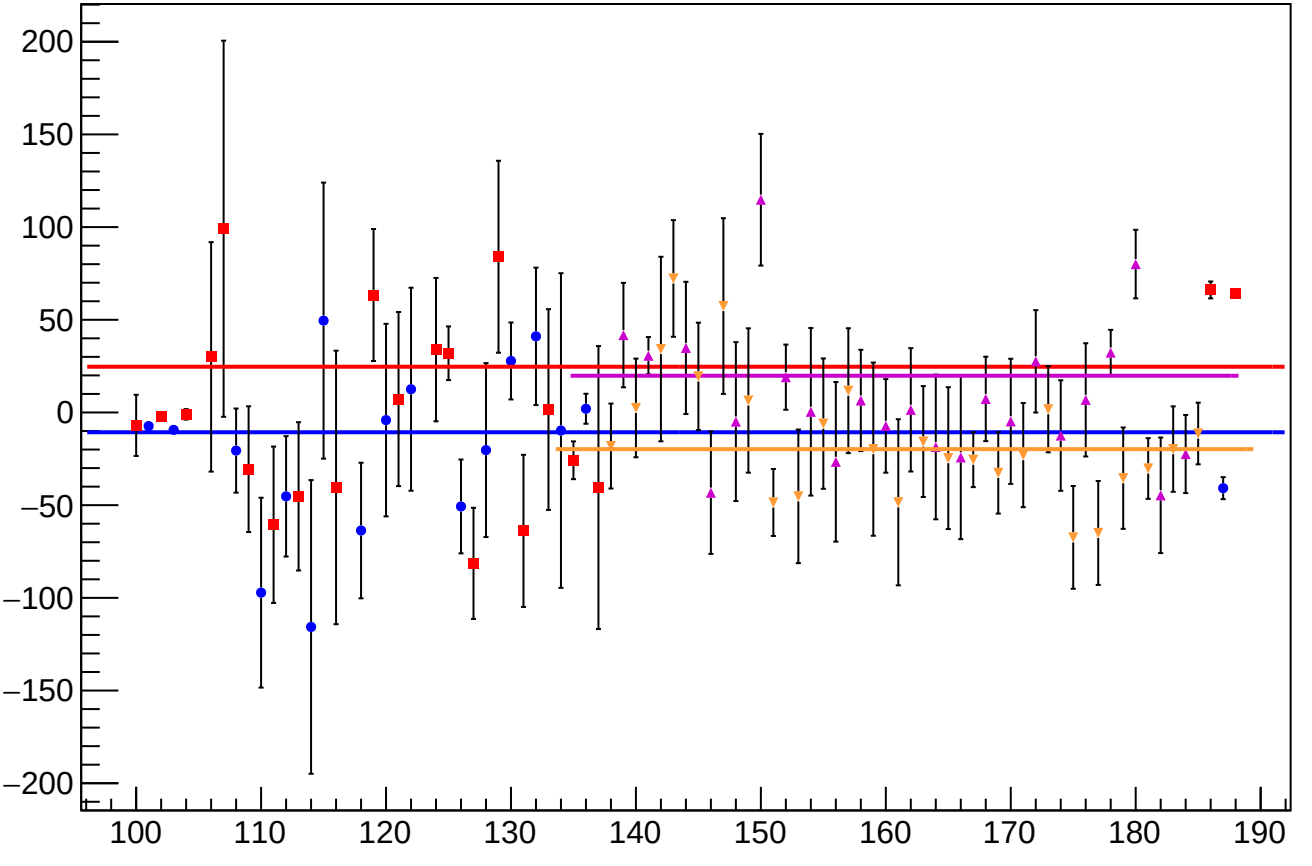
Right: 3361.601+/-0.987 χ^2/NDF: 15631211.3/37

In: 6116.812+/-1.488 χ^2/NDF:25461495.0/39

Out: 4738.994+/-1.175 χ^2/NDF:30726628.0/45

All: 5268.353+/-0.922 χ^2/NDF: 56716452.4/8

diff_bpm0l03Y_mean vs Slug, Sign Corrected



Right In: -10.669+/-1.652 χ^2/NDF: 47.1/16

Left Out: -19.769+/-5.117 χ^2/NDF:27.8/24

Right Out: 24.672+/-1.406 χ^2/NDF: 576.4/20

Left In: 19.822+/-4.846 χ^2/NDF:40.3/22

Left: 1.103+/-3.518 χ^2/NDF: 99.6/47

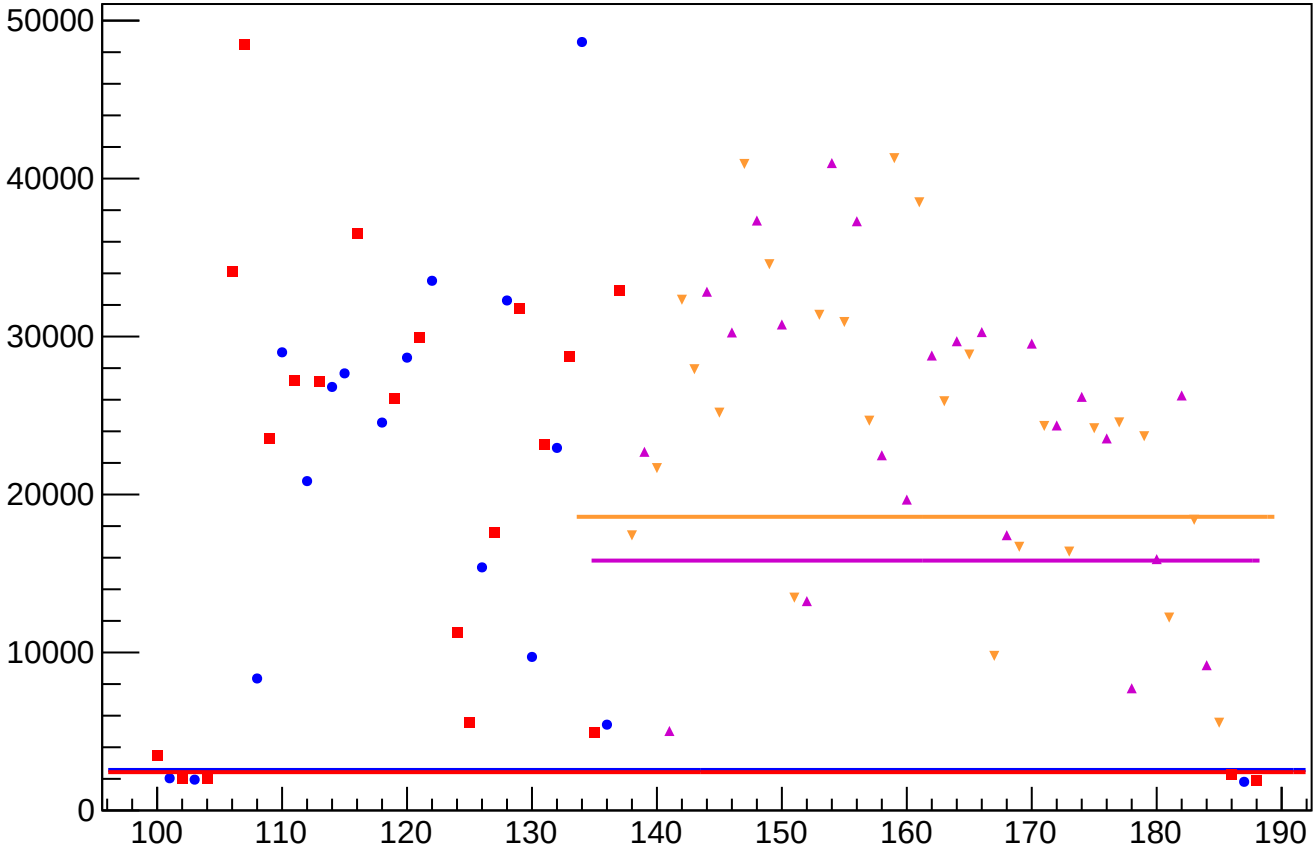
Right: 9.830+/-1.071 χ^2/NDF: 888.9/37

In: -7.493+/-1.564 χ^2/NDF:122.9/39

Out: 21.553+/-1.356 χ^2/NDF:674.3/45

All: 9.091+/-1.024 χ^2/NDF: 994.2/85

diff_bpm0l03Y_rms vs Slug, Sign Corrected



Right In: 2563.281+/-1.168 χ^2/NDF: 6815602.6/16

Left Out: 18589.195+/-3.618 χ^2/NDF:5698567.3/24

Right Out: 2424.965+/-0.994 χ^2/NDF: 8138081.6/20

Left In: 15817.655+/-3.426 χ^2/NDF:8406830.8/22

Left: 17128.048+/-2.488 χ^2/NDF: 14414756.2/47

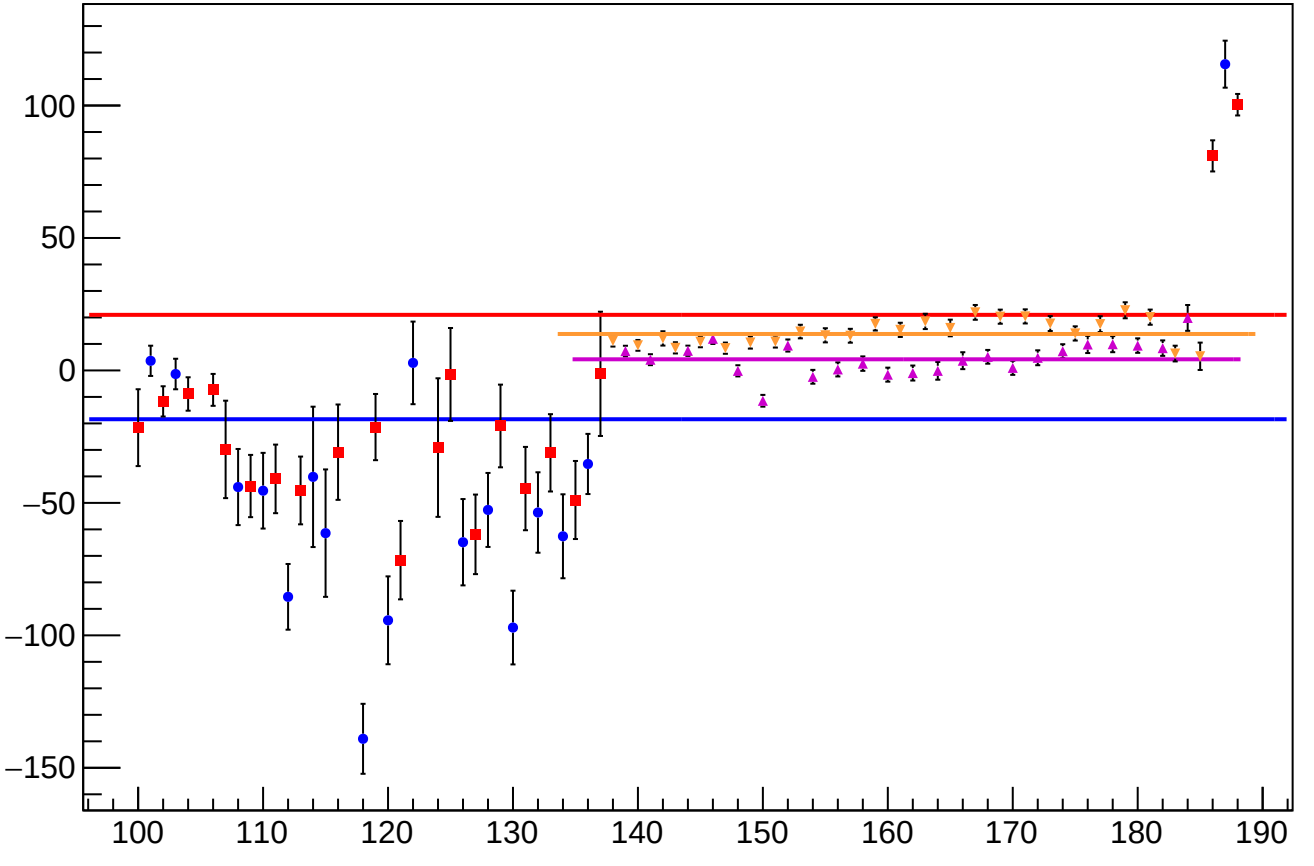
Right: 2483.053+/-0.757 χ^2/NDF: 14961813.8/37

In: 3943.868+/-1.106 χ^2/NDF:28628062.4/39

Out: 3559.661+/-0.959 χ^2/NDF:32395337.6/45

All: 3724.506+/-0.724 χ^2/NDF: 61092322.7/8

diff_bpm0l04X_mean vs Slug, Sign Corrected



Right In: -18.421+/-2.706 χ^2/NDF: 459.4/16

Left Out: 13.761+/-0.514 χ^2/NDF:77.2/24

Right Out: 20.983+/-2.031 χ^2/NDF: 814.3/20

Left In: 4.202+/-0.530 χ^2/NDF:123.9/22

Left: 9.129+/-0.369 χ^2/NDF: 368.8/47

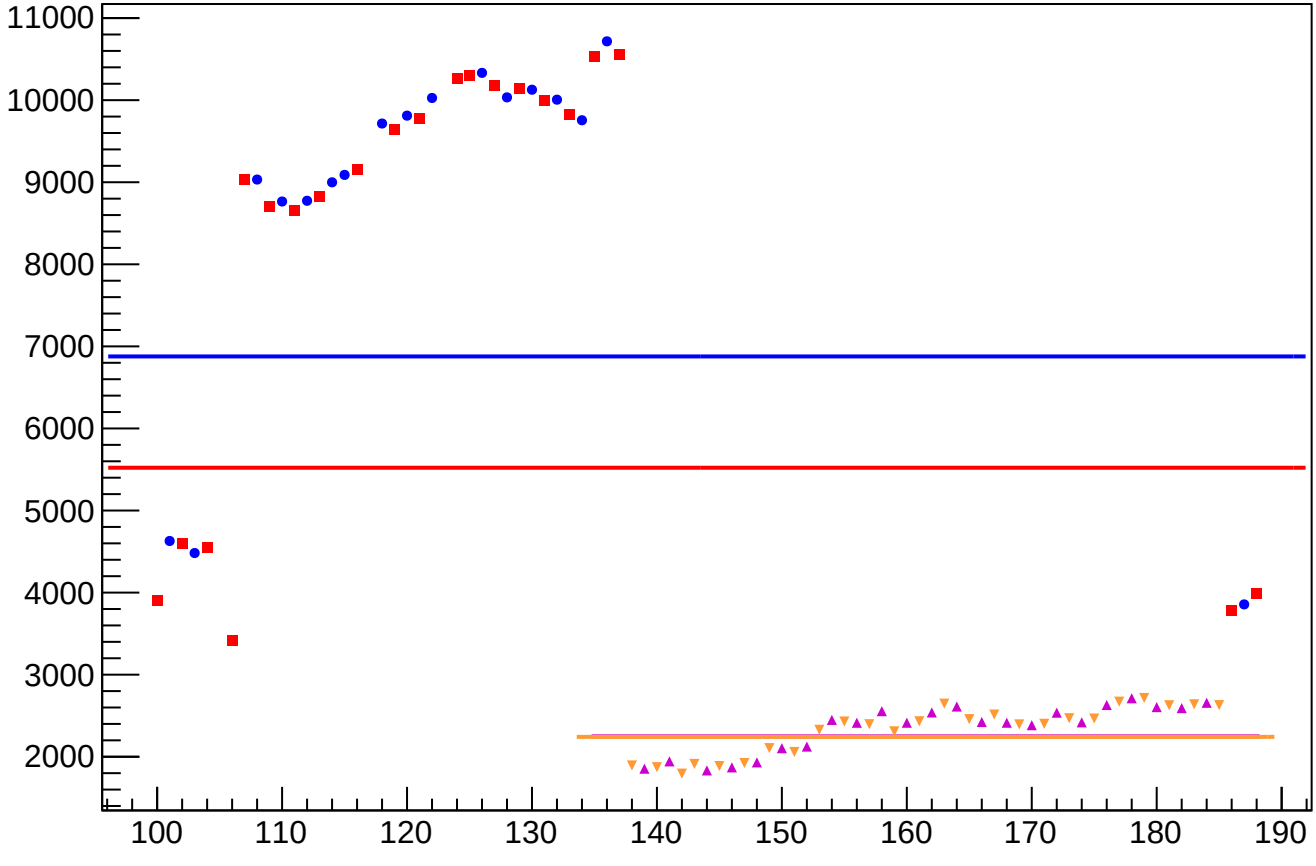
Right: 6.786+/-1.624 χ^2/NDF: 1409.3/37

In: 3.367+/-0.520 χ^2/NDF:650.6/39

Out: 14.196+/-0.498 χ^2/NDF:903.5/45

All: 9.014+/-0.360 χ^2/NDF: 1780.0/85

diff_bpm0l04X_rms vs Slug, Sign Corrected



Right In: 6877.550+/-1.914 χ^2/NDF: 1961590.0/16

Left Out: 2242.334+/-0.363 χ^2/NDF:657865.5/24

Right Out: 5521.499+/-1.436 χ^2/NDF: 3006373.3/20

Left In: 2248.582+/-0.375 χ^2/NDF:642255.3/22

Left: 2245.362+/-0.261 χ^2/NDF: 1300264.0/47

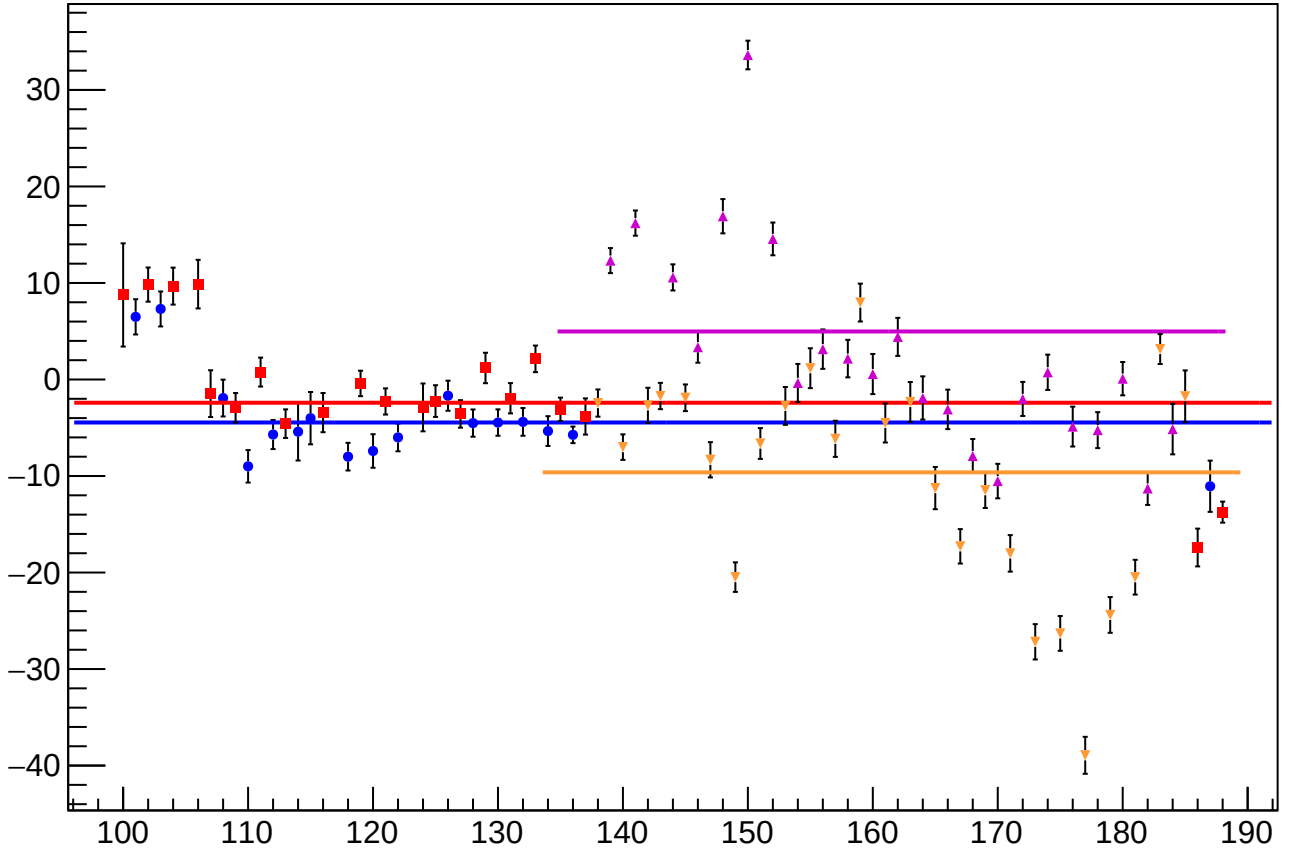
Right: 6010.052+/-1.149 χ^2/NDF: 5289183.2/37

In: 2419.593+/-0.368 χ^2/NDF:8238642.2/39

Out: 2439.722+/-0.352 χ^2/NDF:8564051.1/45

All: 2430.090+/-0.254 χ^2/NDF: 16804255.0/8

diff_bpm0l04Y_mean vs Slug, Sign Corrected



Right In: -4.454+/-0.376 χ^2/NDF: 110.0/16

Left Out: -9.622+/-0.349 χ^2/NDF:934.3/24

Right Out: -2.408+/-0.352 χ^2/NDF: 309.8/20

Left In: 4.974+/-0.365 χ^2/NDF:929.8/22

Left: -2.641+/-0.252 χ^2/NDF: 2700.1/47

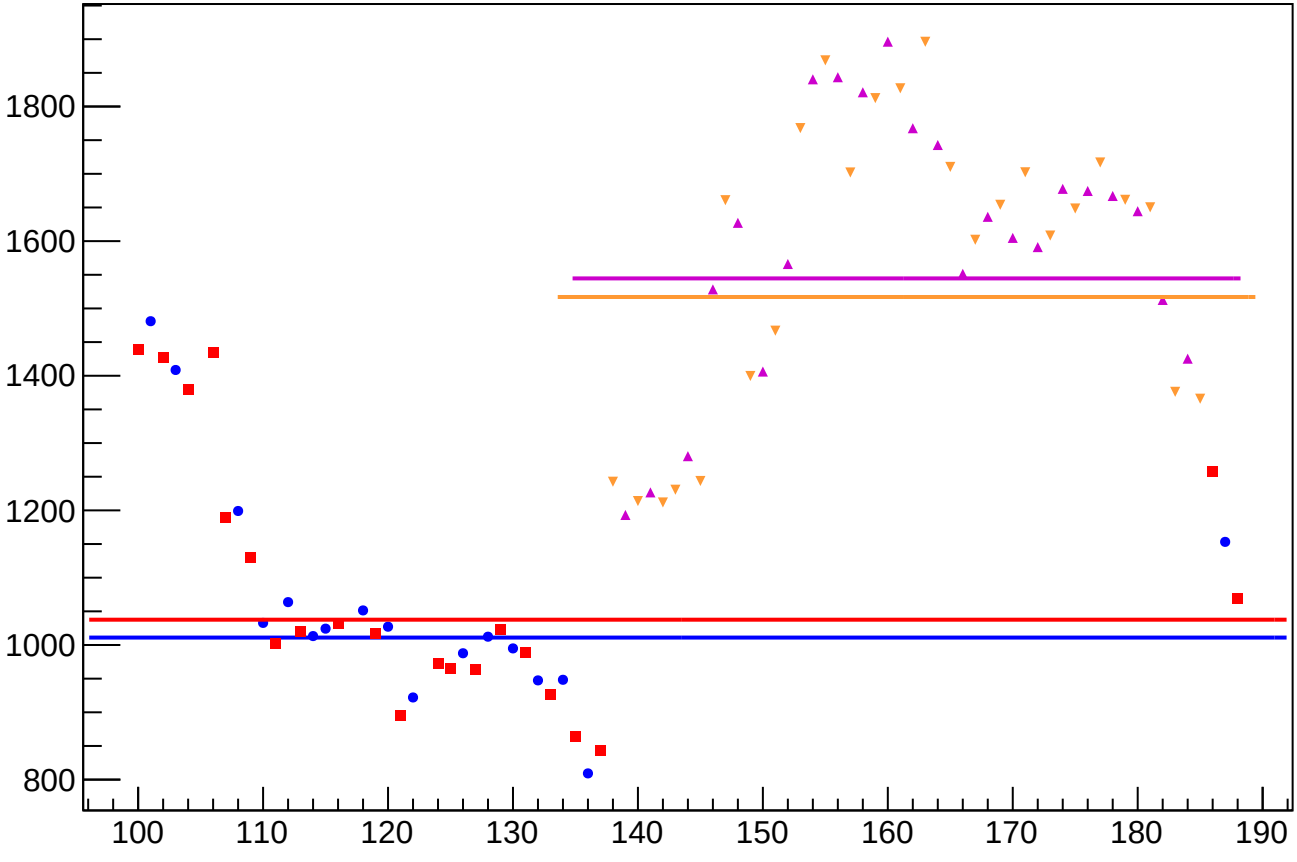
Right: -3.364+/-0.257 χ^2/NDF: 435.6/37

In: 0.404+/-0.262 χ^2/NDF:1363.9/39

Out: -6.044+/-0.248 χ^2/NDF:1455.9/45

All: -2.996+/-0.180 χ^2/NDF: 3139.7/85

diff_bpm0l04Y_rms vs Slug, Sign Corrected



Right In: 1011.027+/-0.266 χ^2/NDF: 384694.4/16

Left Out: 1517.008+/-0.247 χ^2/NDF:832983.9/24

Right Out: 1037.586+/-0.249 χ^2/NDF: 375117.0/20

Left In: 1544.620+/-0.258 χ^2/NDF:638659.4/22

Left: 1530.214+/-0.178 χ^2/NDF: 1477627.5/47

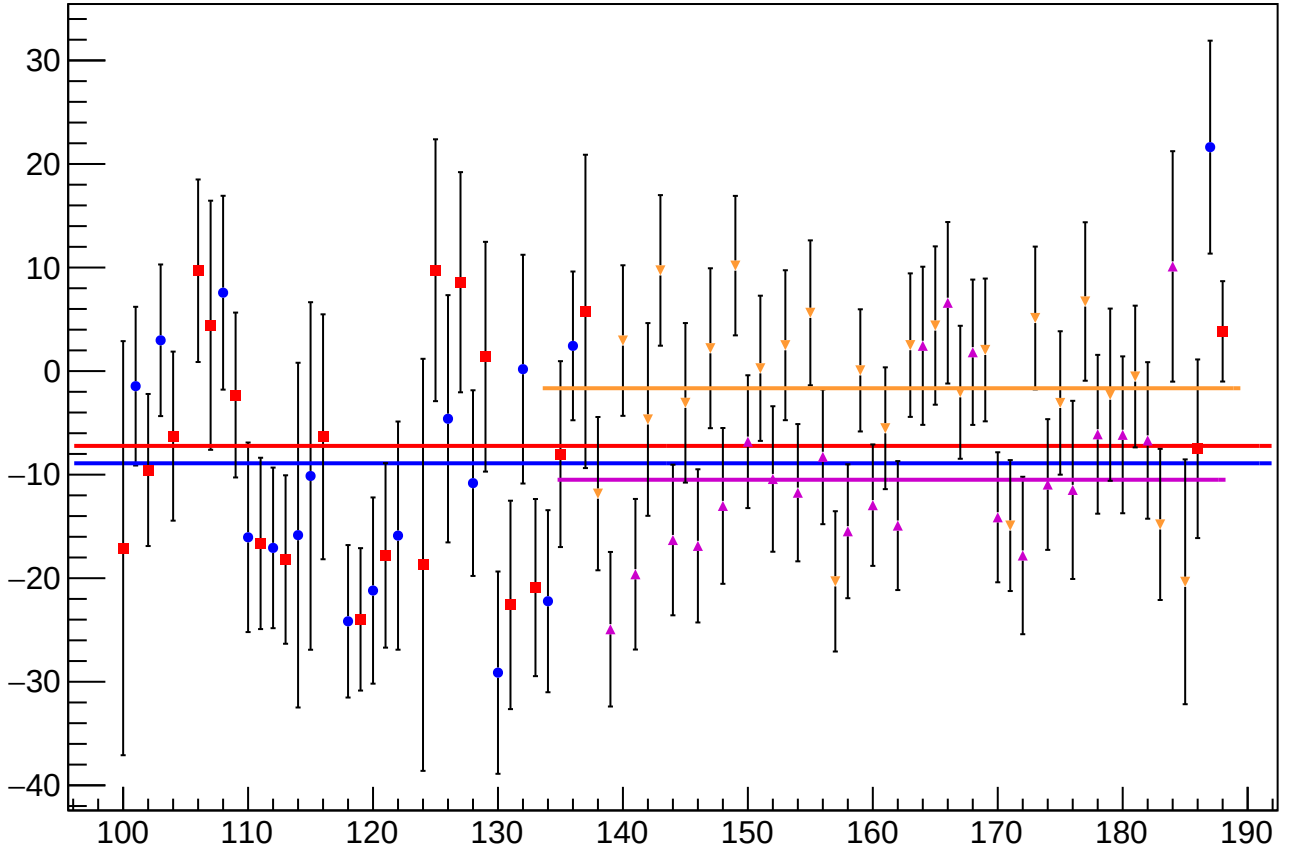
Right: 1025.183+/-0.182 χ^2/NDF: 765132.5/37

In: 1285.964+/-0.185 χ^2/NDF:3099683.1/39

Out: 1279.201+/-0.175 χ^2/NDF:3079059.1/45

All: 1282.398+/-0.127 χ^2/NDF: 6179446.2/85

diff_bpm0l05X_mean vs Slug, Sign Corrected



Right In: -8.902+/-2.226 χ^2/NDF: 33.9/16

Left Out: -1.655+/-1.426 χ^2/NDF:31.5/24

Right Out: -7.224+/-1.945 χ^2/NDF: 31.6/20

Left In: -10.492+/-1.480 χ^2/NDF:24.9/22

Left: -5.911+/-1.027 χ^2/NDF: 74.9/47

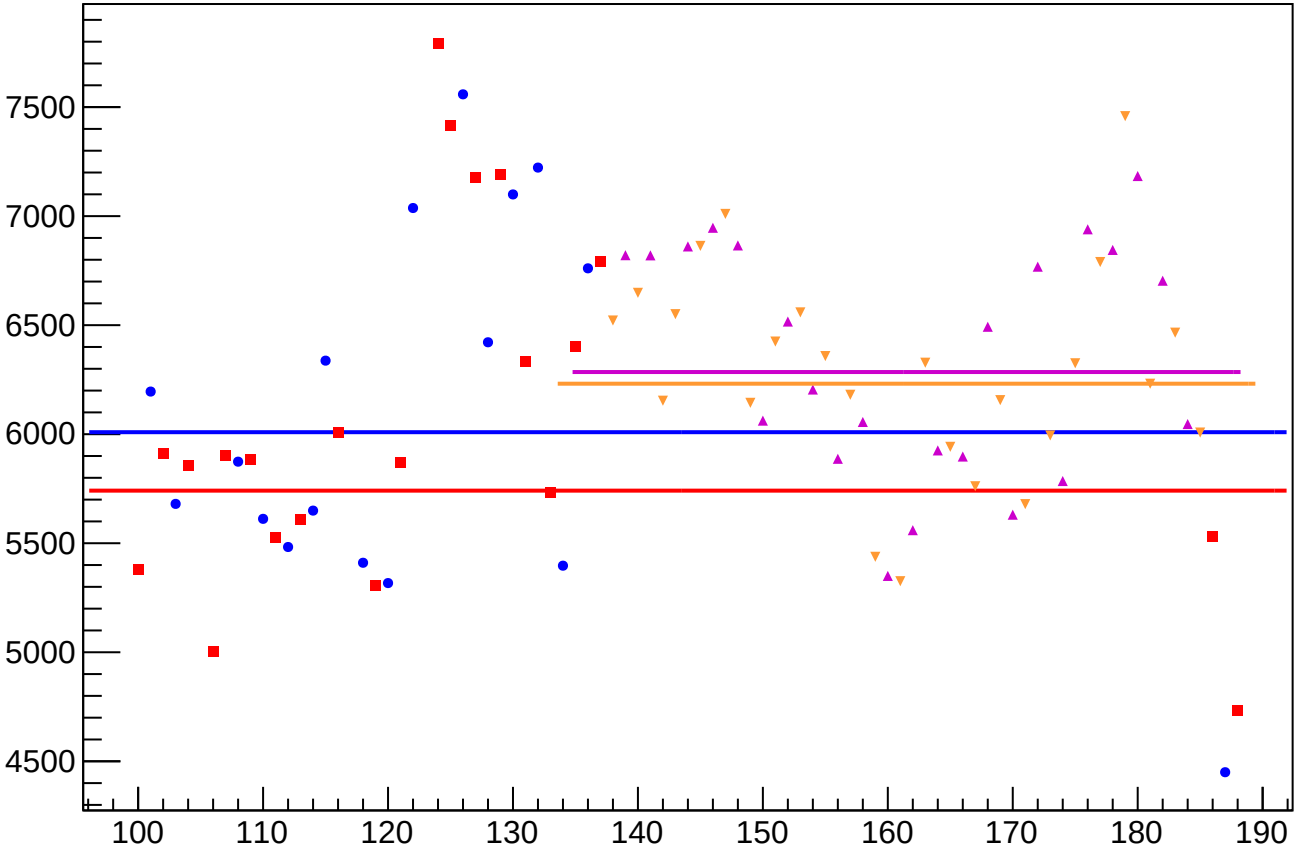
Right: -7.951+/-1.465 χ^2/NDF: 65.8/37

In: -10.005+/-1.232 χ^2/NDF:59.2/39

Out: -3.603+/-1.150 χ^2/NDF:68.4/45

All: -6.584+/-0.841 χ^2/NDF: 142.0/85

diff_bpm0l05X_rms vs Slug, Sign Corrected



Right In: 6009.192+/-1.574 χ^2/NDF: 227381.4/16

Left Out: 6231.572+/-1.009 χ^2/NDF:226959.2/24

Right Out: 5741.187+/-1.375 χ^2/NDF: 270442.3/20

Left In: 6285.058+/-1.046 χ^2/NDF:265370.2/22

Left: 6257.332+/-0.726 χ^2/NDF: 493684.0/47

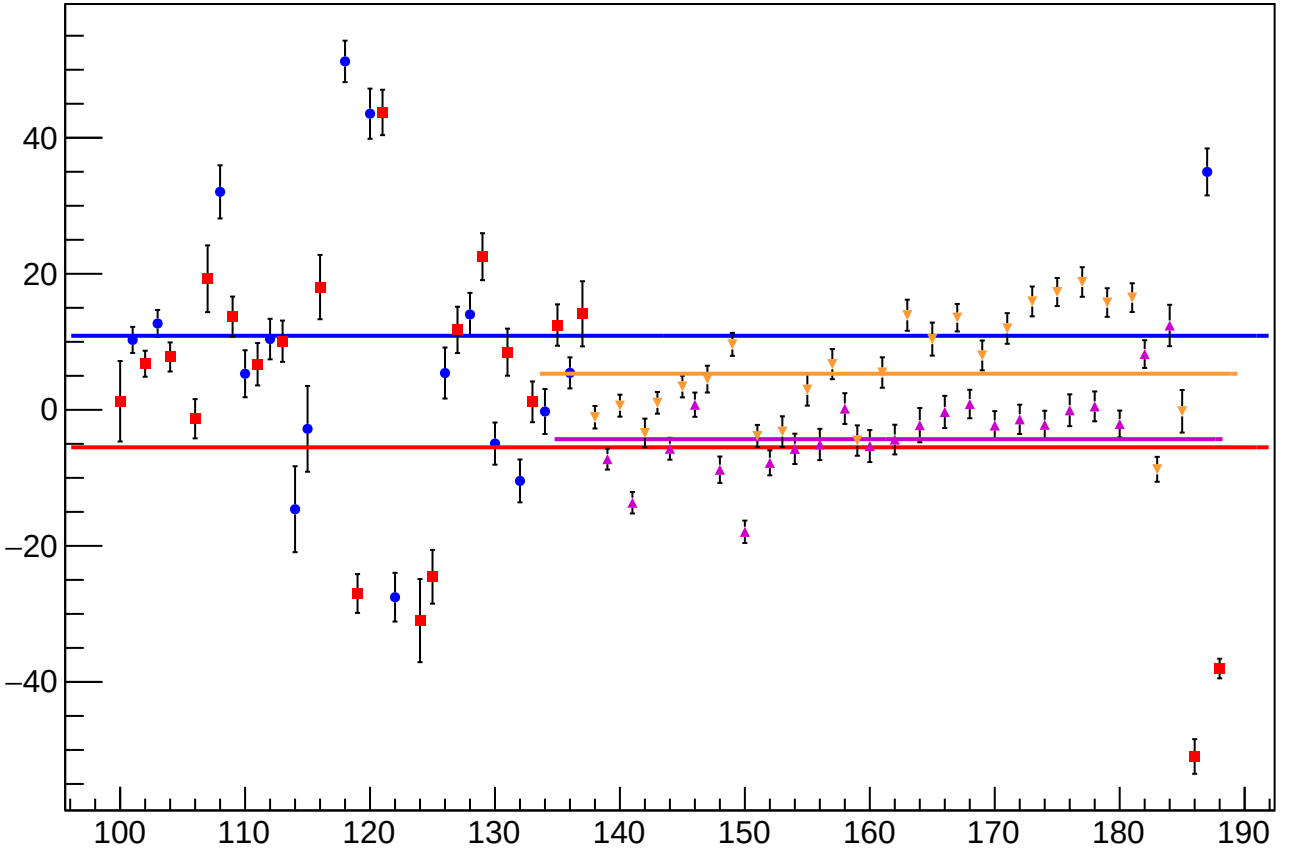
Right: 5857.216+/-1.036 χ^2/NDF: 514264.4/37

In: 6200.512+/-0.871 χ^2/NDF:514055.6/39

Out: 6060.080+/-0.813 χ^2/NDF:580080.2/45

All: 6125.461+/-0.595 χ^2/NDF: 1108017.0/85

diff_bpm0l05Y_mean vs Slug, Sign Corrected



Right In: 10.887+/-0.737 χ^2/NDF: 563.5/16

Left Out: 5.313+/-0.400 χ^2/NDF:378.1/24

Right Out: -5.508+/-0.631 χ^2/NDF: 1525.1/20

Left In: -4.310+/-0.420 χ^2/NDF:220.4/22

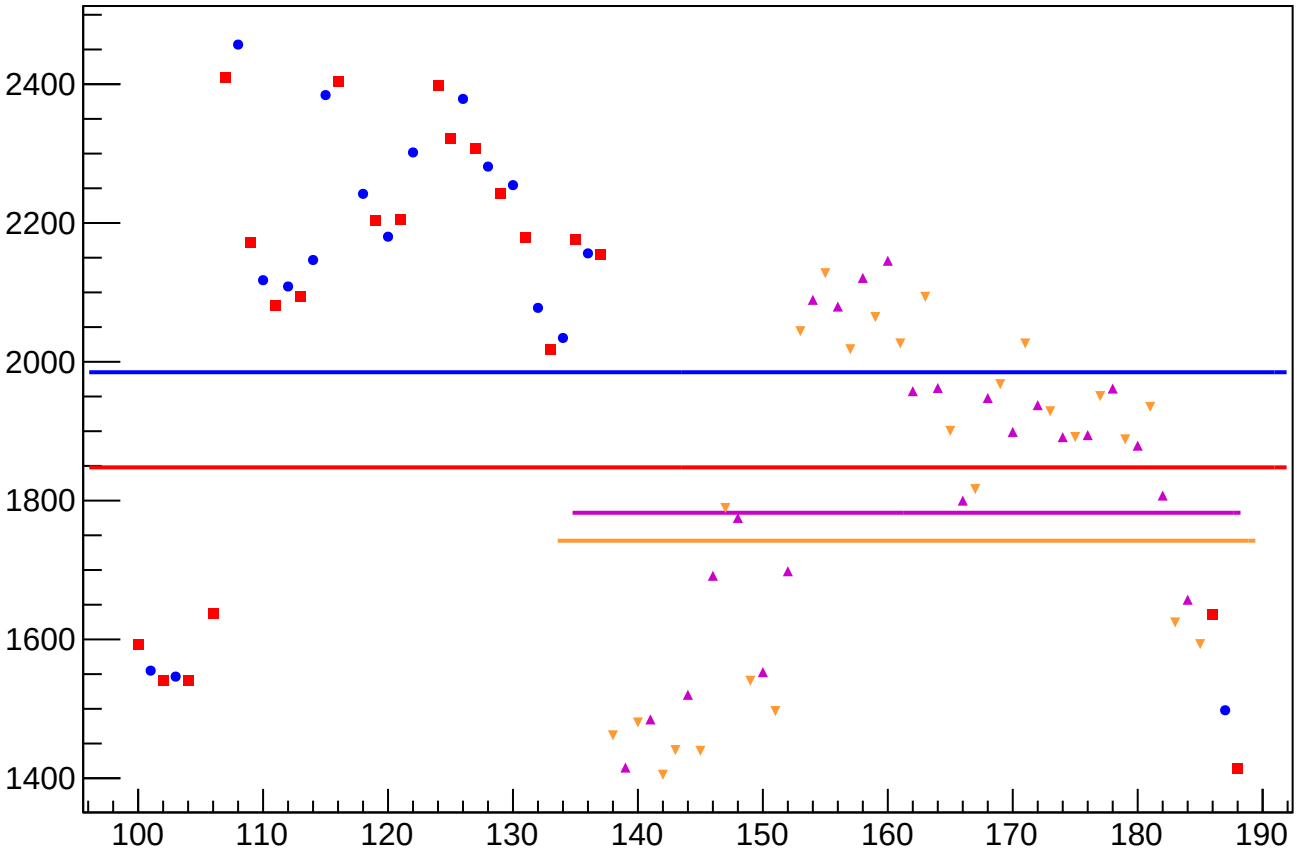
Left: 0.733+/-0.290 χ^2/NDF: 873.5/47

Right: 1.424+/-0.480 χ^2/NDF: 2373.9/37

In: -0.587+/-0.365 χ^2/NDF:1104.6/39

Out: 2.208+/-0.338 χ^2/NDF:2112.8/45

All: 0.918+/-0.248 χ^2/NDF: 3248.9/85



Right In: 1984.957+/-0.521 χ^2/NDF: 386187.4/16

Left Out: 1742.217+/-0.283 χ^2/NDF:767663.9/24

Right Out: 1847.906+/-0.446 χ^2/NDF: 622576.3/20

Left In: 1782.502+/-0.297 χ^2/NDF:534374.9/22

Left: 1761.391+/-0.205 χ^2/NDF: 1311677.3/47

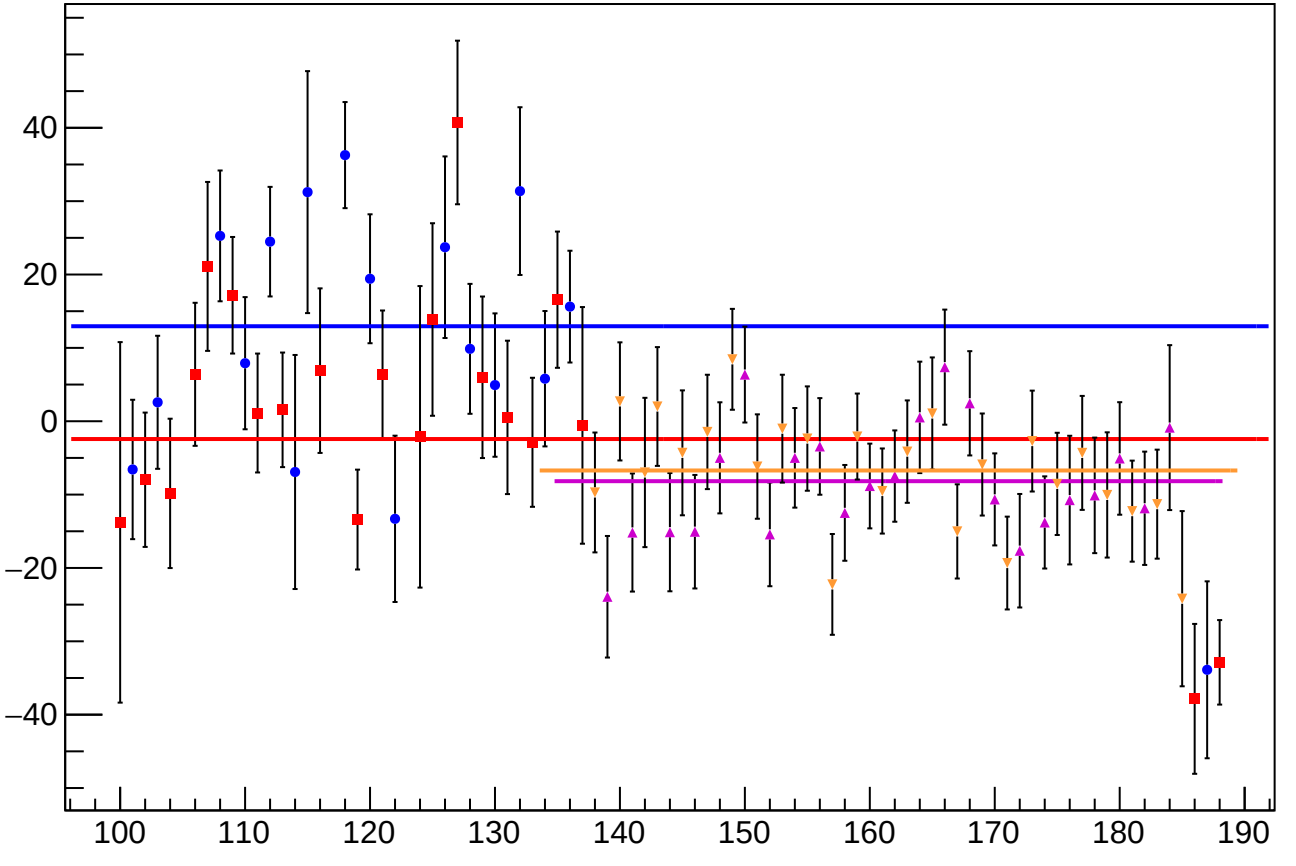
Right: 1905.853+/-0.339 χ^2/NDF: 1048632.4/37

In: 1832.102+/-0.258 χ^2/NDF:1034367.2/39

Out: 1772.539+/-0.239 χ^2/NDF:1430228.1/45

All: 1800.041+/-0.175 χ^2/NDF: 2493259.8/85

diff_bpm0l06X_mean vs Slug, Sign Corrected



Right In: 12.949+/-2.314 χ^2/NDF: 49.2/16

Left Out: -6.713+/-1.458 χ^2/NDF:25.7/24

Right Out: -2.426+/-2.071 χ^2/NDF: 78.3/20

Left In: -8.171+/-1.510 χ^2/NDF:24.2/22

Left: -7.416+/-1.049 χ^2/NDF: 50.3/47

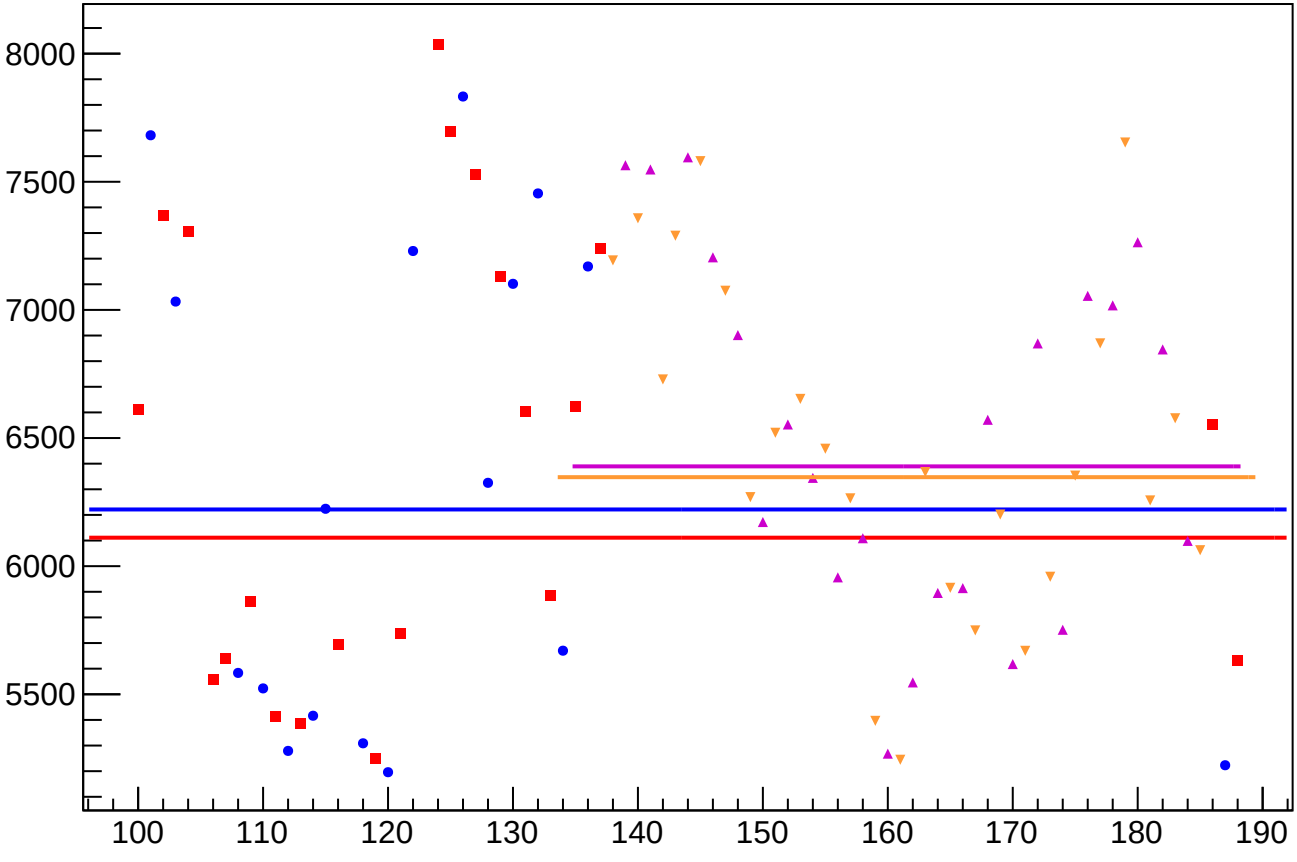
Right: 4.413+/-1.543 χ^2/NDF: 152.0/37

In: -1.863+/-1.265 χ^2/NDF:131.8/39

Out: -5.293+/-1.192 χ^2/NDF:106.8/45

All: -3.679+/-0.867 χ^2/NDF: 242.5/85

diff_bpm0l06X_rms vs Slug, Sign Corrected



Right In: 6221.273+/-1.636 χ^2/NDF: 322828.2/16

Left Out: 6347.287+/-1.031 χ^2/NDF:386025.6/24

Right Out: 6111.140+/-1.464 χ^2/NDF: 283765.9/20

Left In: 6389.425+/-1.068 χ^2/NDF:419756.4/22

Left: 6367.615+/-0.742 χ^2/NDF: 806588.2/47

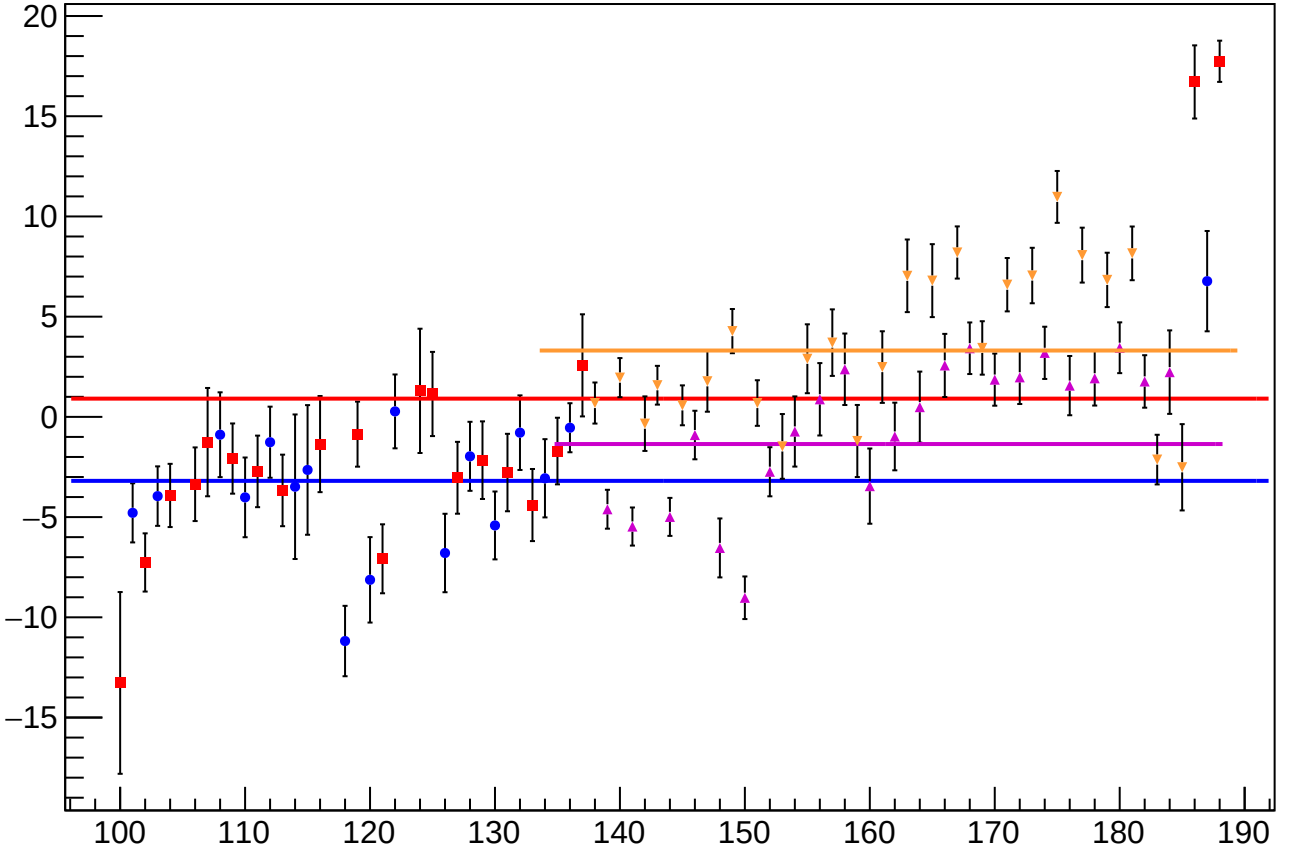
Right: 6160.127+/-1.091 χ^2/NDF: 609109.8/37

In: 6339.203+/-0.894 χ^2/NDF:749992.5/39

Out: 6269.050+/-0.843 χ^2/NDF:687179.5/45

All: 6302.059+/-0.613 χ^2/NDF: 1440431.3/85

diff_bpm0l06Y_mean vs Slug, Sign Corrected



Right In: -3.192+/-0.445 χ^2/NDF: 61.5/16

Left Out: 3.311+/-0.264 χ^2/NDF:177.9/24

Right Out: 0.910+/-0.394 χ^2/NDF: 459.6/20

Left In: -1.355+/-0.277 χ^2/NDF:196.3/22

Left: 1.083+/-0.191 χ^2/NDF: 522.8/47

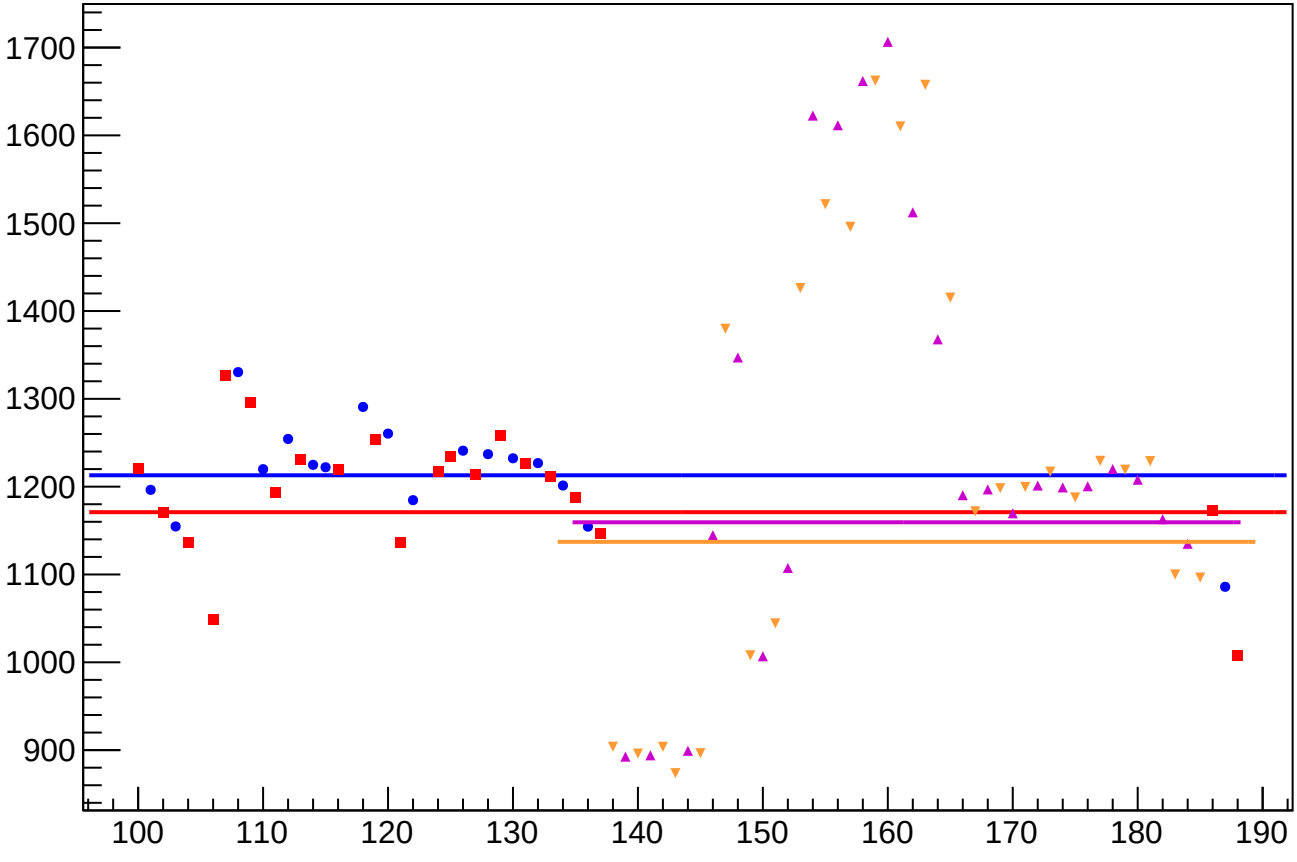
Right: -0.890+/-0.295 χ^2/NDF: 568.7/37

In: -1.867+/-0.235 χ^2/NDF:270.0/39

Out: 2.565+/-0.220 χ^2/NDF:663.2/45

All: 0.500+/-0.160 χ^2/NDF: 1123.1/85

diff_bpm0l06Y_rms vs Slug, Sign Corrected



Right In: 1212.946+/-0.315 χ^2/NDF: 27001.7/16

Left Out: 1137.150+/-0.187 χ^2/NDF:1469686.1/24

Right Out: 1170.946+/-0.278 χ^2/NDF: 97055.2/20

Left In: 1159.432+/-0.196 χ^2/NDF:1259793.6/22

Left: 1147.788+/-0.135 χ^2/NDF: 2736258.7/47

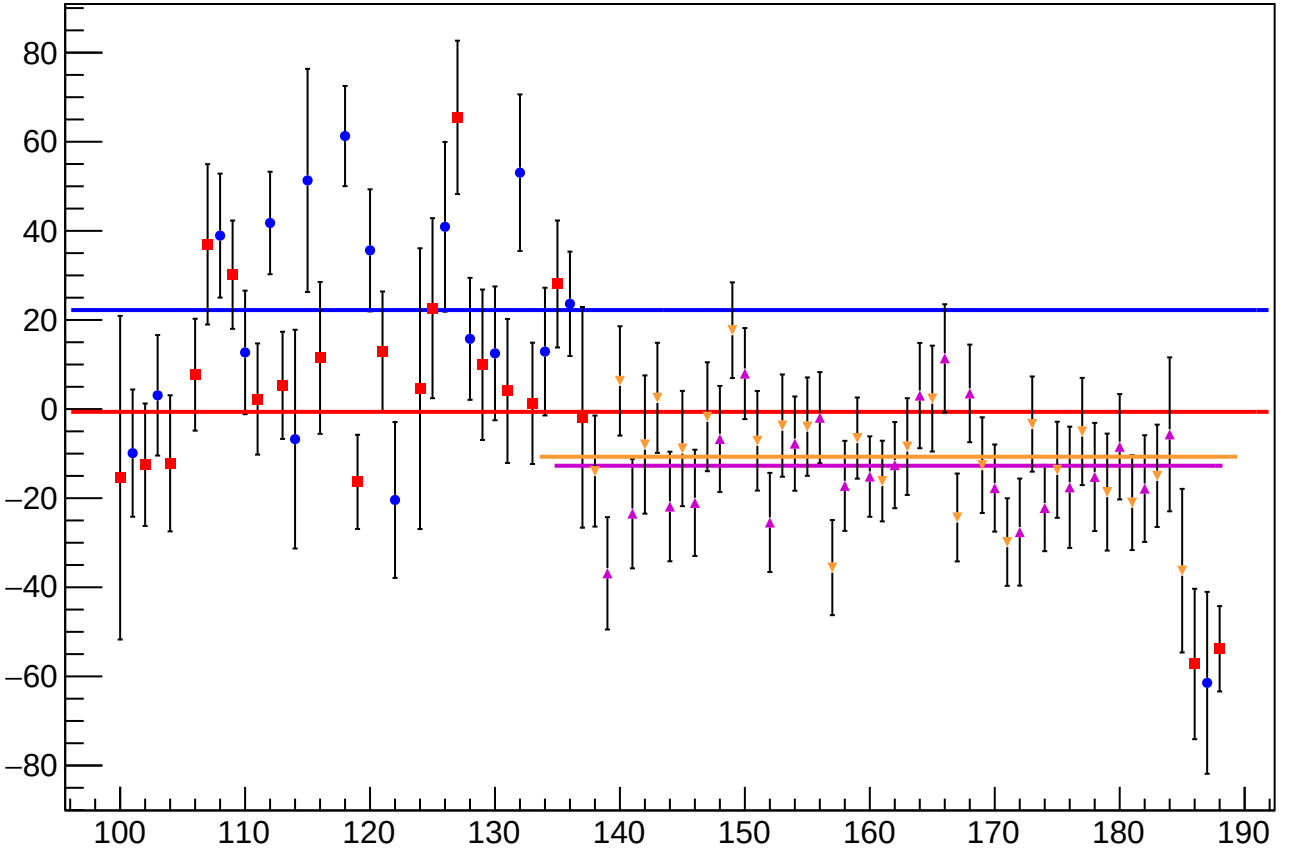
Right: 1189.379+/-0.209 χ^2/NDF: 134044.8/37

In: 1174.341+/-0.166 χ^2/NDF:1307641.6/39

Out: 1147.655+/-0.155 χ^2/NDF:1576895.3/45

All: 1160.091+/-0.113 χ^2/NDF: 2898309.8/85

diff_bpm0l07X_mean vs Slug, Sign Corrected



Right In: 22.218+/-3.572 χ^2/NDF: 55.5/16

Left Out: -10.696+/-2.257 χ^2/NDF:28.7/24

Right Out: -0.621+/-3.190 χ^2/NDF: 79.4/20

Left In: -12.719+/-2.341 χ^2/NDF:24.0/22

Left: -11.671+/-1.625 χ^2/NDF: 53.1/47

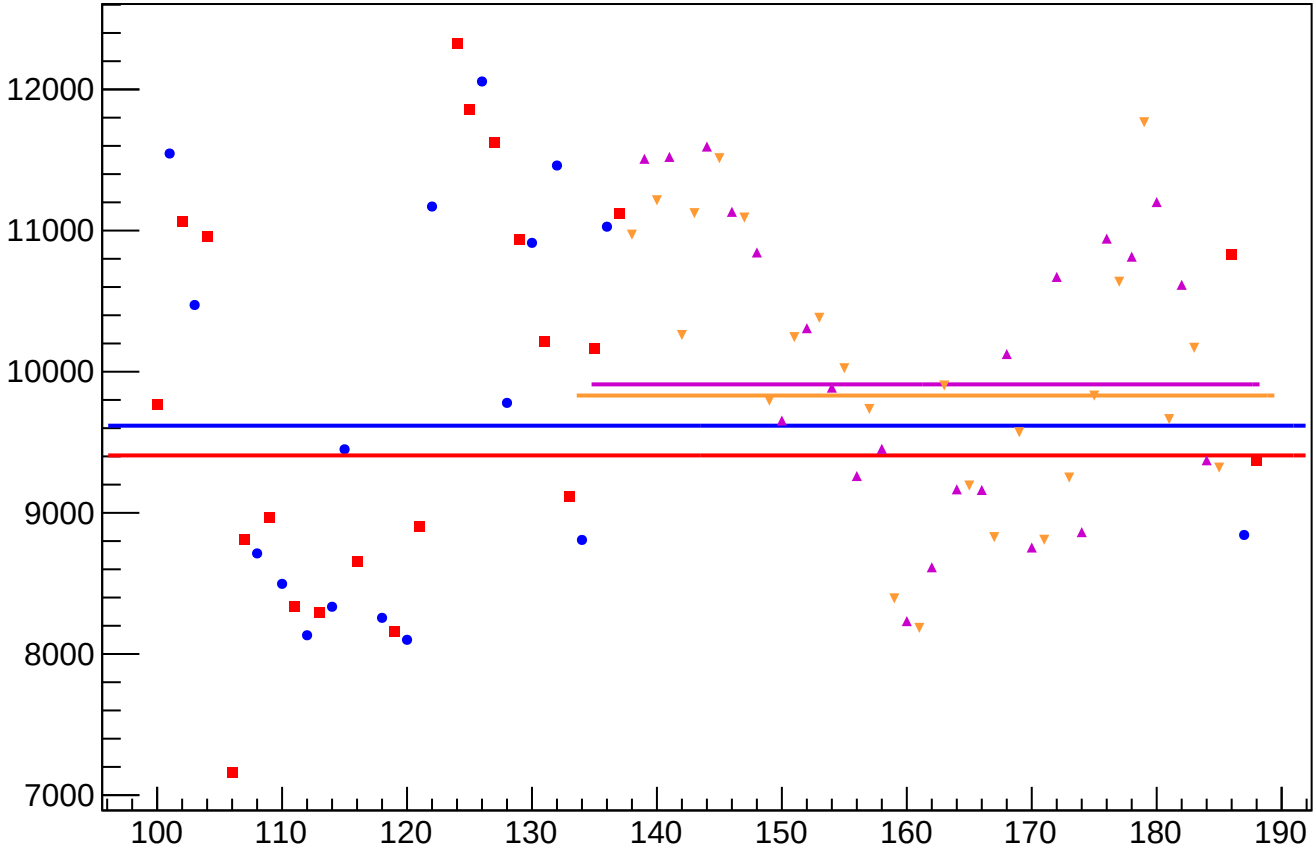
Right: 9.514+/-2.380 χ^2/NDF: 157.6/37

In: -2.223+/-1.958 χ^2/NDF:146.4/39

Out: -7.336+/-1.843 χ^2/NDF:114.8/45

All: -4.934+/-1.342 χ^2/NDF: 264.8/85

diff_bpm0l07X_rms vs Slug, Sign Corrected



Right In: 9617.620+/-2.526 χ^2/NDF: 282625.5/16

Left Out: 9831.301+/-1.596 χ^2/NDF:356125.1/24

Right Out: 9406.925+/-2.256 χ^2/NDF: 316470.9/20

Left In: 9910.300+/-1.655 χ^2/NDF:389368.1/22

Left: 9869.364+/-1.149 χ^2/NDF: 746673.5/47

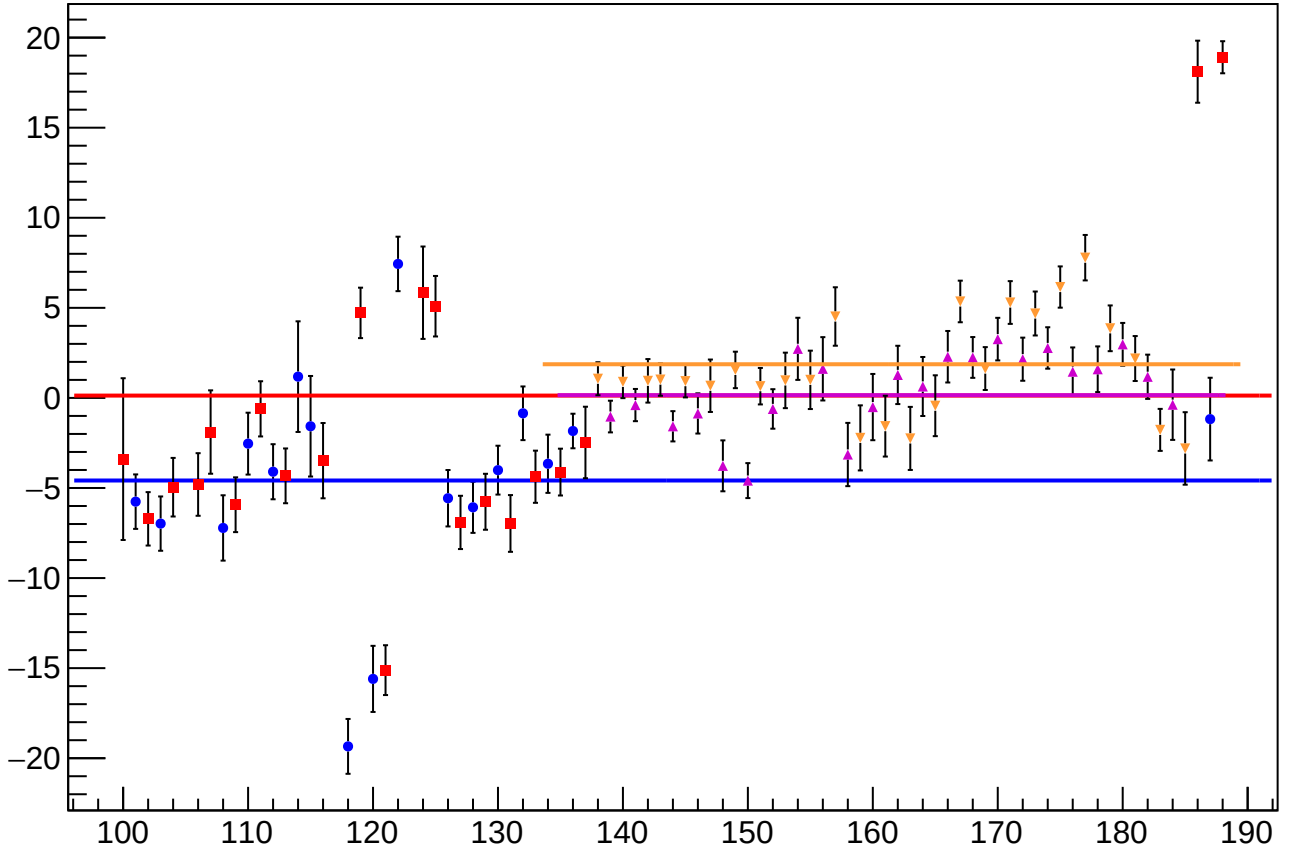
Right: 9500.423+/-1.683 χ^2/NDF: 602967.0/37

In: 9822.367+/-1.384 χ^2/NDF:681386.9/39

Out: 9689.739+/-1.303 χ^2/NDF:696177.5/45

All: 9752.037+/-0.949 χ^2/NDF: 1382431.1/85

diff_bpm0l07Y_mean vs Slug, Sign Corrected



Right In: -4.584+/-0.380 χ^2/NDF: 223.4/16

Left Out: 1.869+/-0.243 χ^2/NDF:103.2/24

Right Out: 0.130+/-0.340 χ^2/NDF: 847.7/20

Left In: 0.152+/-0.254 χ^2/NDF:75.7/22

Left: 1.051+/-0.176 χ^2/NDF: 202.7/47

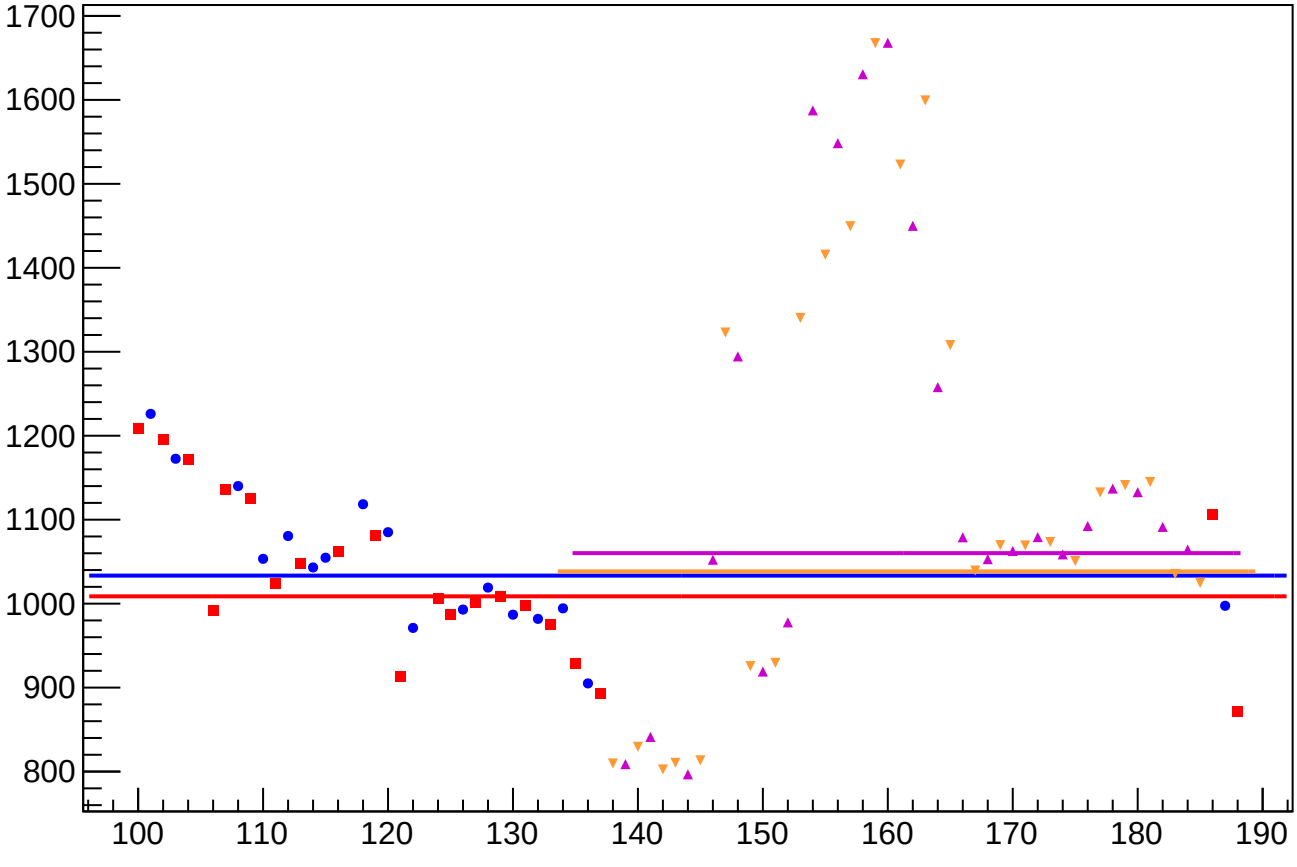
Right: -1.963+/-0.253 χ^2/NDF: 1156.5/37

In: -1.312+/-0.212 χ^2/NDF:406.2/39

Out: 1.282+/-0.197 χ^2/NDF:968.2/45

All: 0.074+/-0.144 χ^2/NDF: 1454.7/85

diff_bpm0l07Y_rms vs Slug, Sign Corrected



Right In: 1033.387+/-0.269 χ^2/NDF: 113782.8/16

Left Out: 1038.406+/-0.172 χ^2/NDF:1706682.8/24

Right Out: 1008.688+/-0.240 χ^2/NDF: 161008.1/20

Left In: 1060.162+/-0.180 χ^2/NDF:1523219.9/22

Left: 1048.767+/-0.124 χ^2/NDF: 3237559.4/47

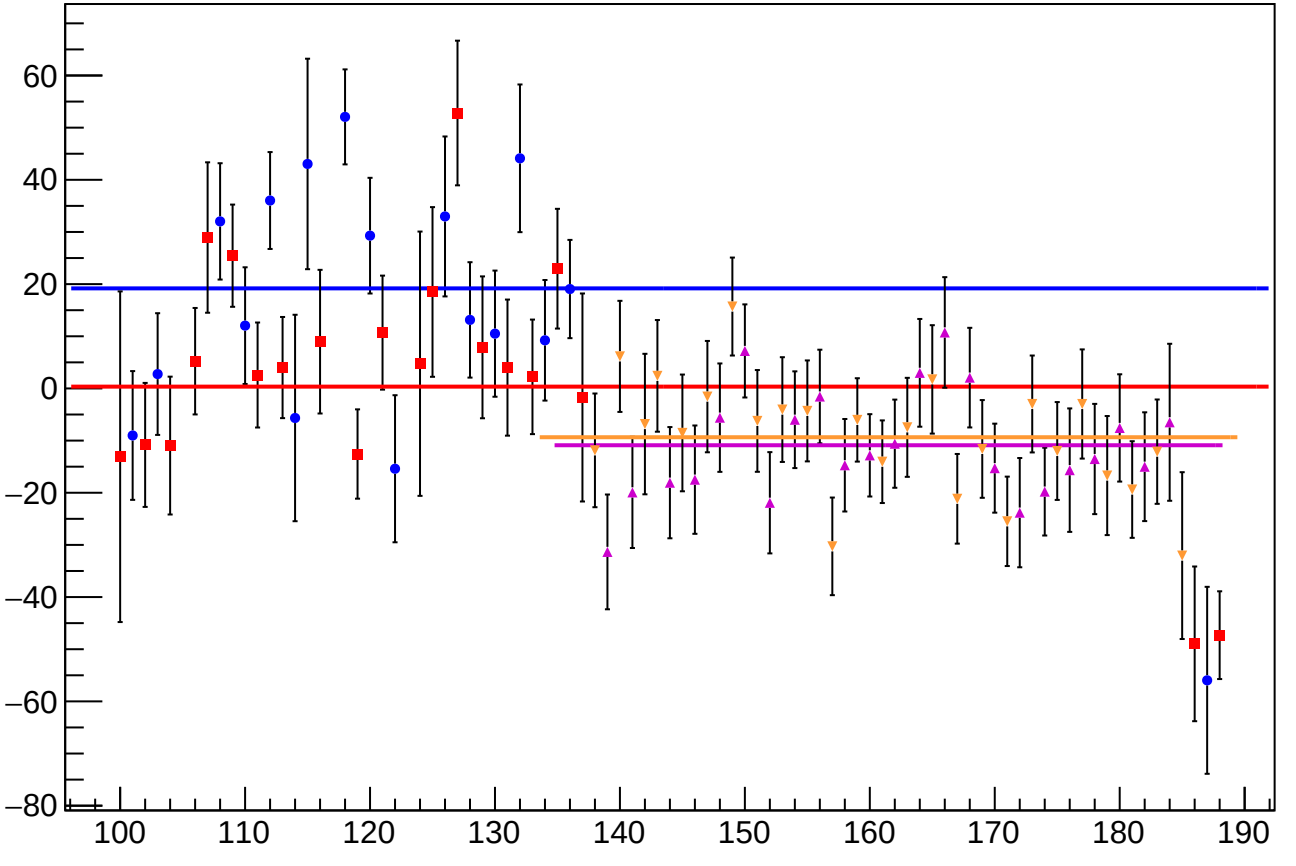
Right: 1019.650+/-0.179 χ^2/NDF: 279479.2/37

In: 1051.886+/-0.150 χ^2/NDF:1643846.5/39

Out: 1028.372+/-0.140 χ^2/NDF:1877820.0/45

All: 1039.322+/-0.102 χ^2/NDF: 3534871.5/85

diff_bpm0l08X_mean vs Slug, Sign Corrected



Right In: 19.184+/-2.913 χ^2/NDF: 58.1/16

Left Out: -9.355+/-1.969 χ^2/NDF:28.5/24

Right Out: 0.347+/-2.623 χ^2/NDF: 79.3/20

Left In: -10.892+/-2.043 χ^2/NDF:23.6/22

Left: -10.095+/-1.418 χ^2/NDF: 52.4/47

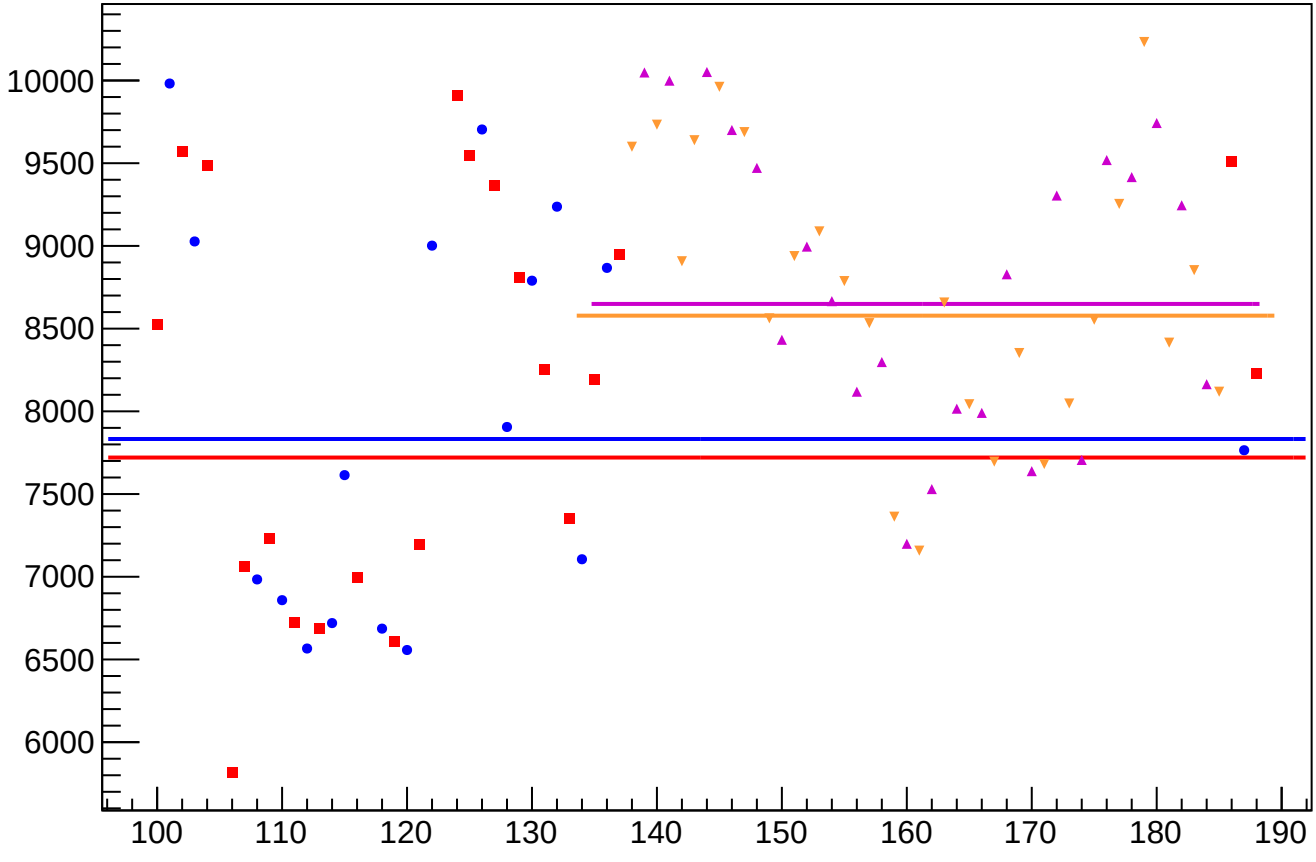
Right: 8.785+/-1.949 χ^2/NDF: 160.5/37

In: -0.977+/-1.672 χ^2/NDF:153.2/39

Out: -5.859+/-1.575 χ^2/NDF:116.6/45

All: -3.564+/-1.147 χ^2/NDF: 274.3/85

diff_bpm0l08X_rms vs Slug, Sign Corrected



Right In: 7832.775+/-2.059 χ^2/NDF: 318119.1/16

Left Out: 8578.396+/-1.392 χ^2/NDF:343721.1/24

Right Out: 7720.670+/-1.855 χ^2/NDF: 384462.3/20

Left In: 8649.232+/-1.444 χ^2/NDF:377932.0/22

Left: 8612.520+/-1.002 χ^2/NDF: 722899.8/47

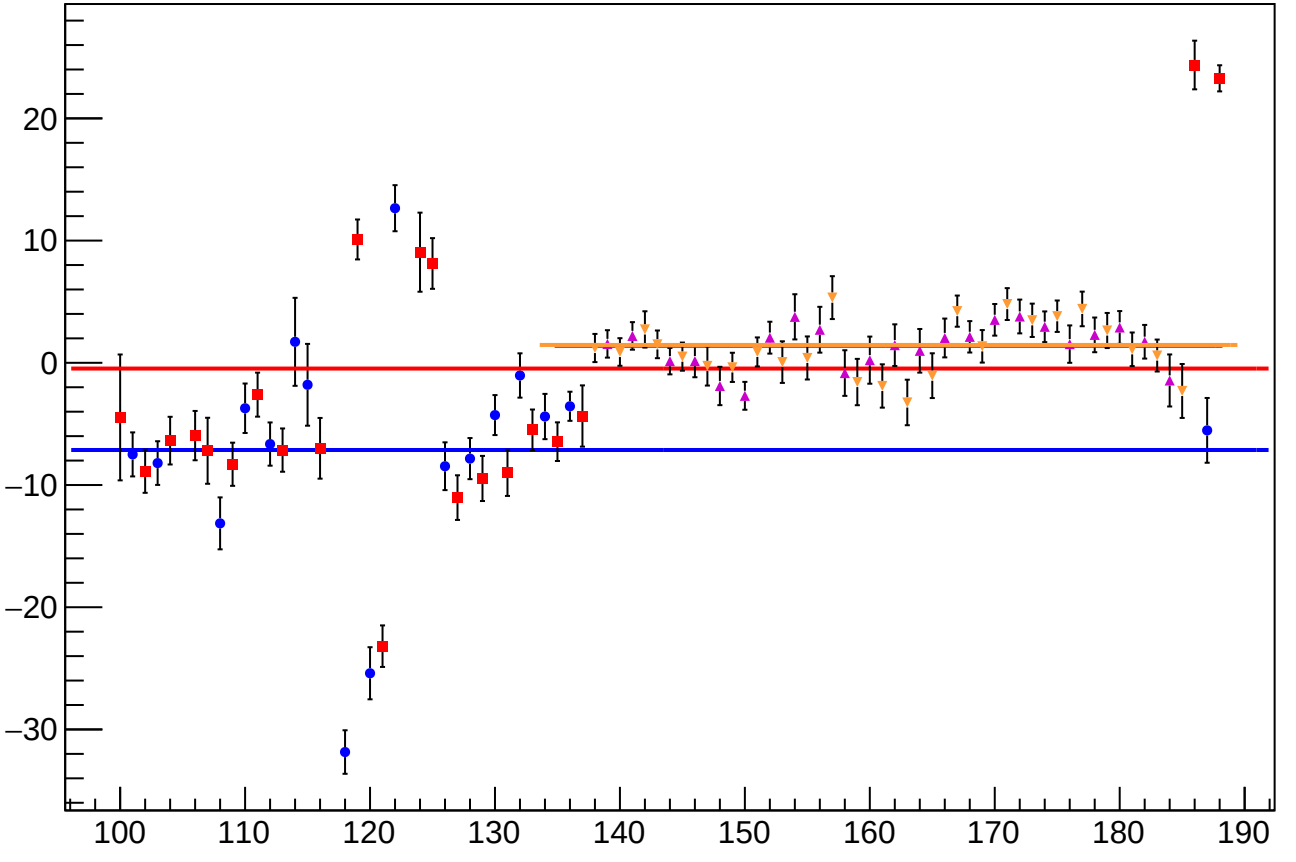
Right: 7770.885+/-1.378 χ^2/NDF: 704217.3/37

In: 8380.078+/-1.182 χ^2/NDF:801402.3/39

Out: 8269.299+/-1.114 χ^2/NDF:864924.7/45

All: 8321.369+/-0.811 χ^2/NDF: 1670978.2/85

diff_bpm0l08Y_mean vs Slug, Sign Corrected



Right In: -7.134+/-0.455 χ^2/NDF: 422.6/16

Left Out: 1.461+/-0.281 χ^2/NDF:51.0/24

Right Out: -0.470+/-0.405 χ^2/NDF: 1087.2/20

Left In: 1.390+/-0.294 χ^2/NDF:35.5/22

Left: 1.427+/-0.203 χ^2/NDF: 86.6/47

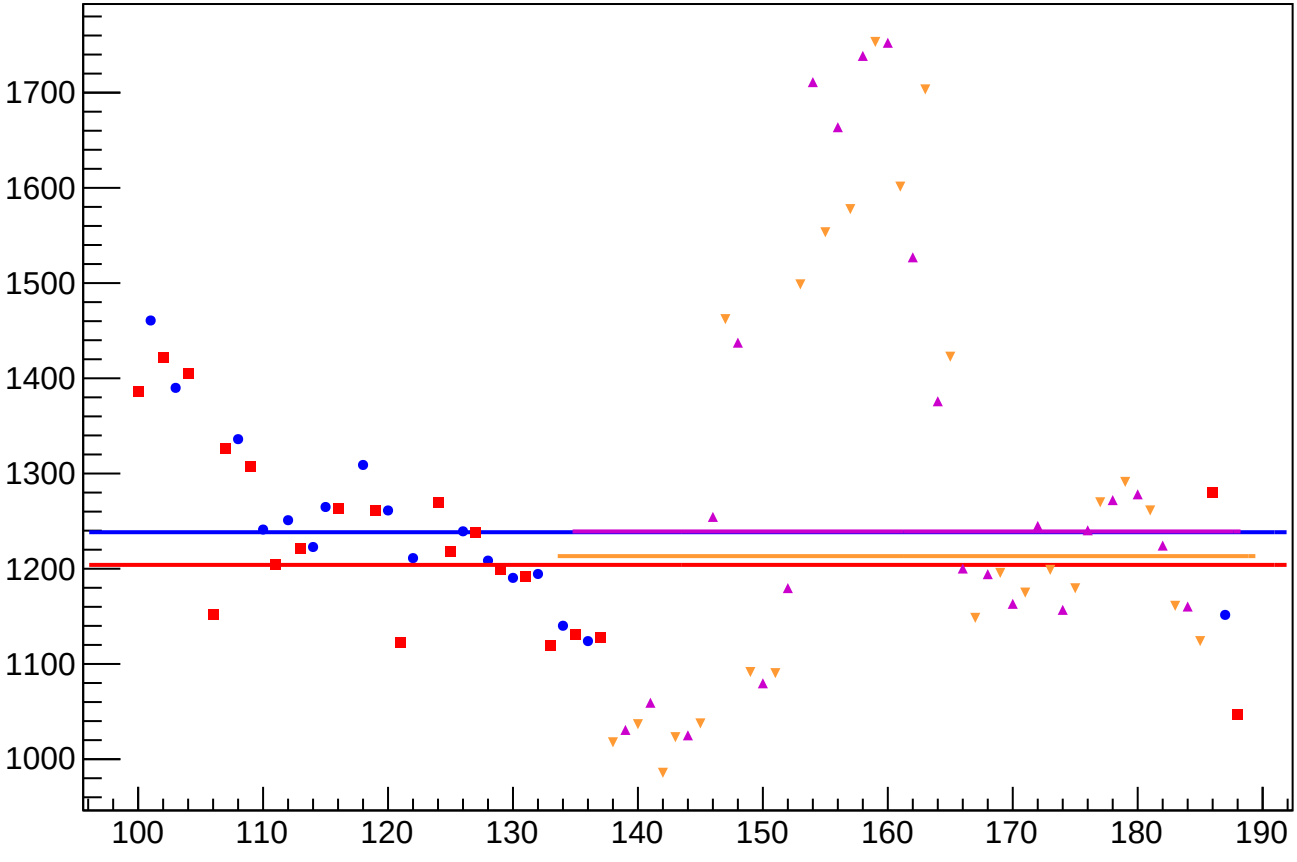
Right: -3.416+/-0.303 χ^2/NDF: 1629.3/37

In: -1.120+/-0.247 χ^2/NDF:705.2/39

Out: 0.836+/-0.231 χ^2/NDF:1153.6/45

All: -0.075+/-0.169 χ^2/NDF: 1892.3/85

diff_bpm0l08Y_rms vs Slug, Sign Corrected



Right In: 1238.365+/-0.322 χ^2/NDF: 82864.6/16

Left Out: 1213.262+/-0.198 χ^2/NDF:1012762.9/24

Right Out: 1204.041+/-0.287 χ^2/NDF: 133889.4/20

Left In: 1239.174+/-0.208 χ^2/NDF:885596.7/22

Left: 1225.599+/-0.144 χ^2/NDF: 1906483.7/47

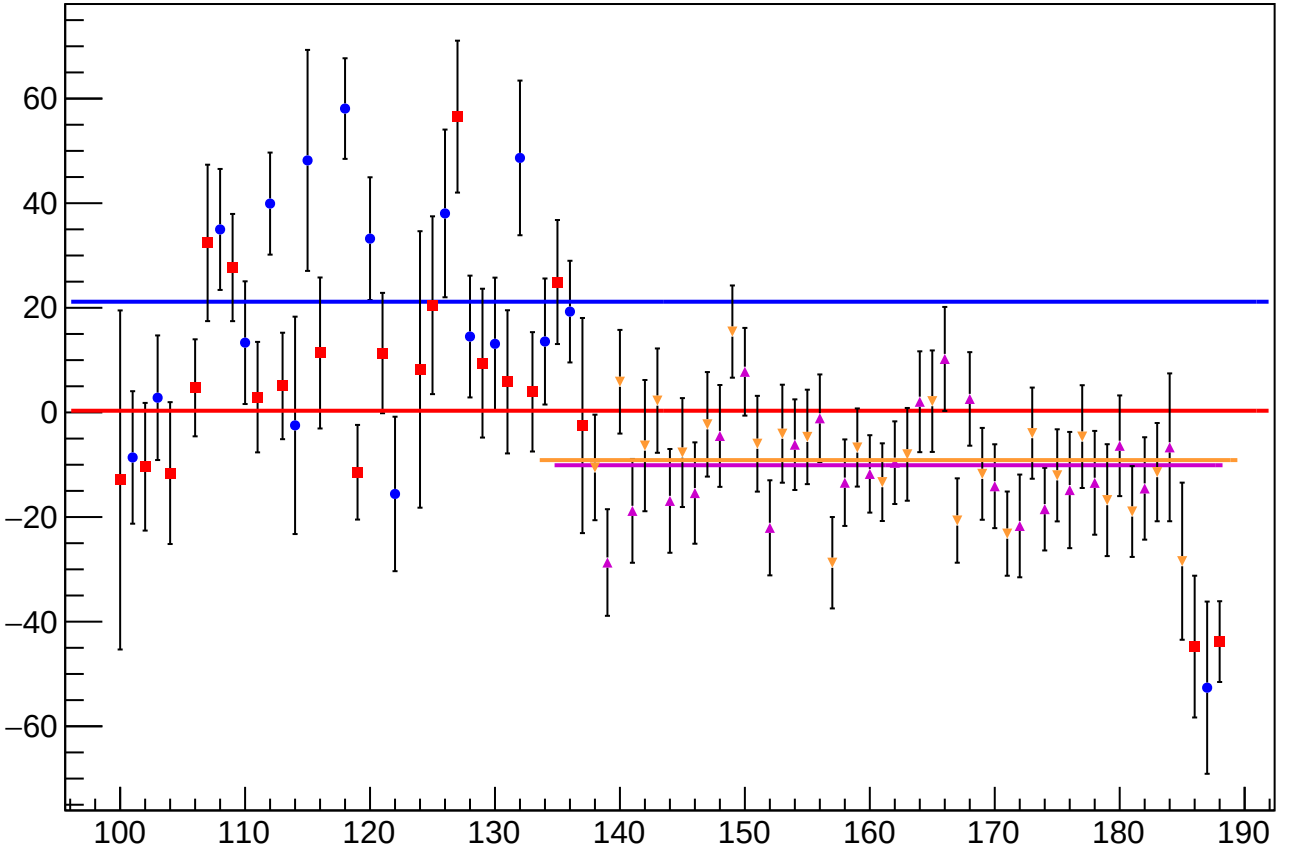
Right: 1219.214+/-0.214 χ^2/NDF: 223091.8/37

In: 1238.936+/-0.175 χ^2/NDF:968465.7/39

Out: 1210.276+/-0.163 χ^2/NDF:1147352.1/45

All: 1223.619+/-0.119 χ^2/NDF: 2130188.9/85

diff_bpm0l09X_mean vs Slug, Sign Corrected



Right In: 21.164+/-3.029 χ^2/NDF: 64.2/16

Left Out: -9.114+/-1.842 χ^2/NDF:28.8/24

Right Out: 0.323+/-2.661 χ^2/NDF: 82.4/20

Left In: -10.095+/-1.911 χ^2/NDF:24.3/22

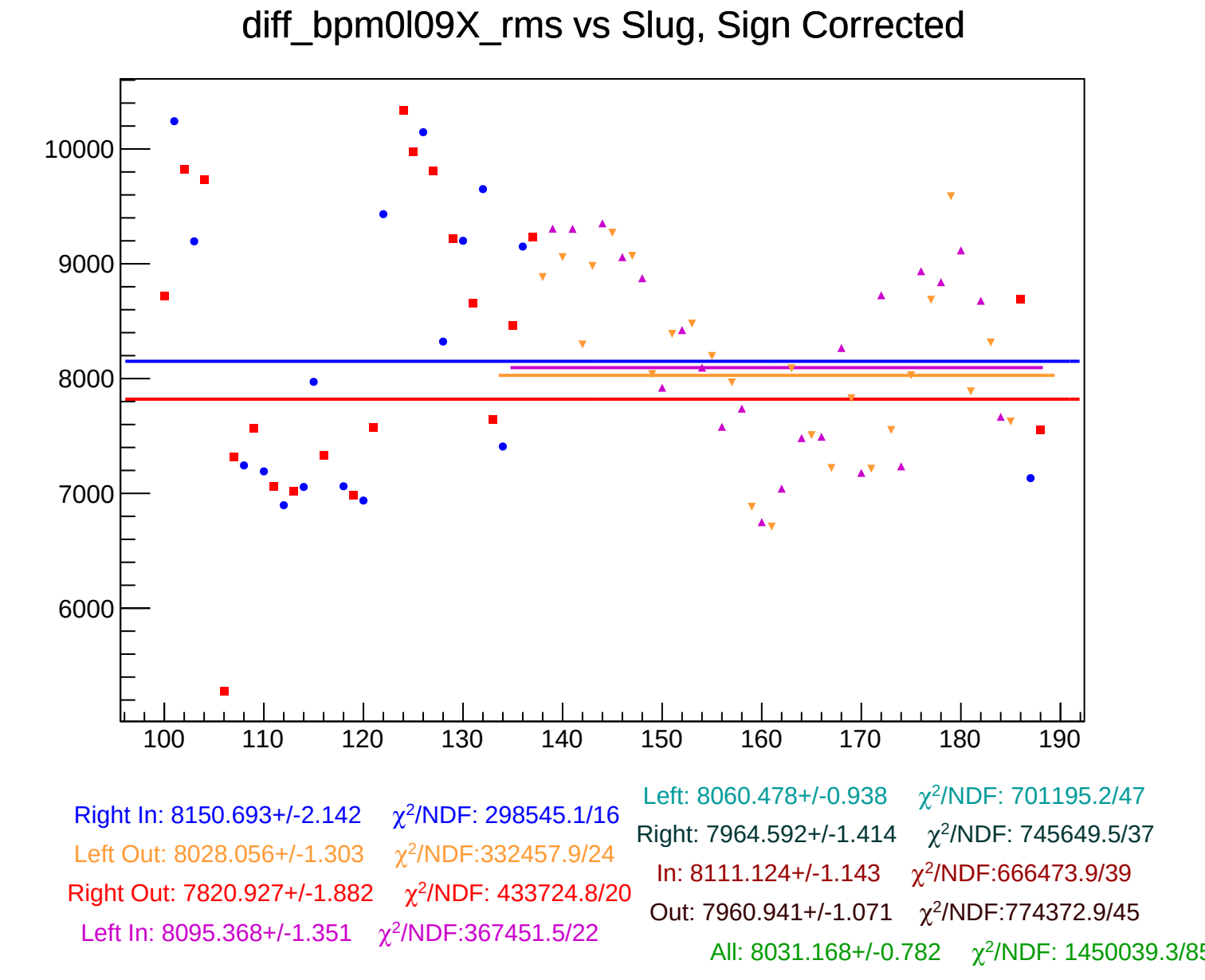
Left: -9.587+/-1.326 χ^2/NDF: 53.2/47

Right: 9.403+/-1.999 χ^2/NDF: 173.3/37

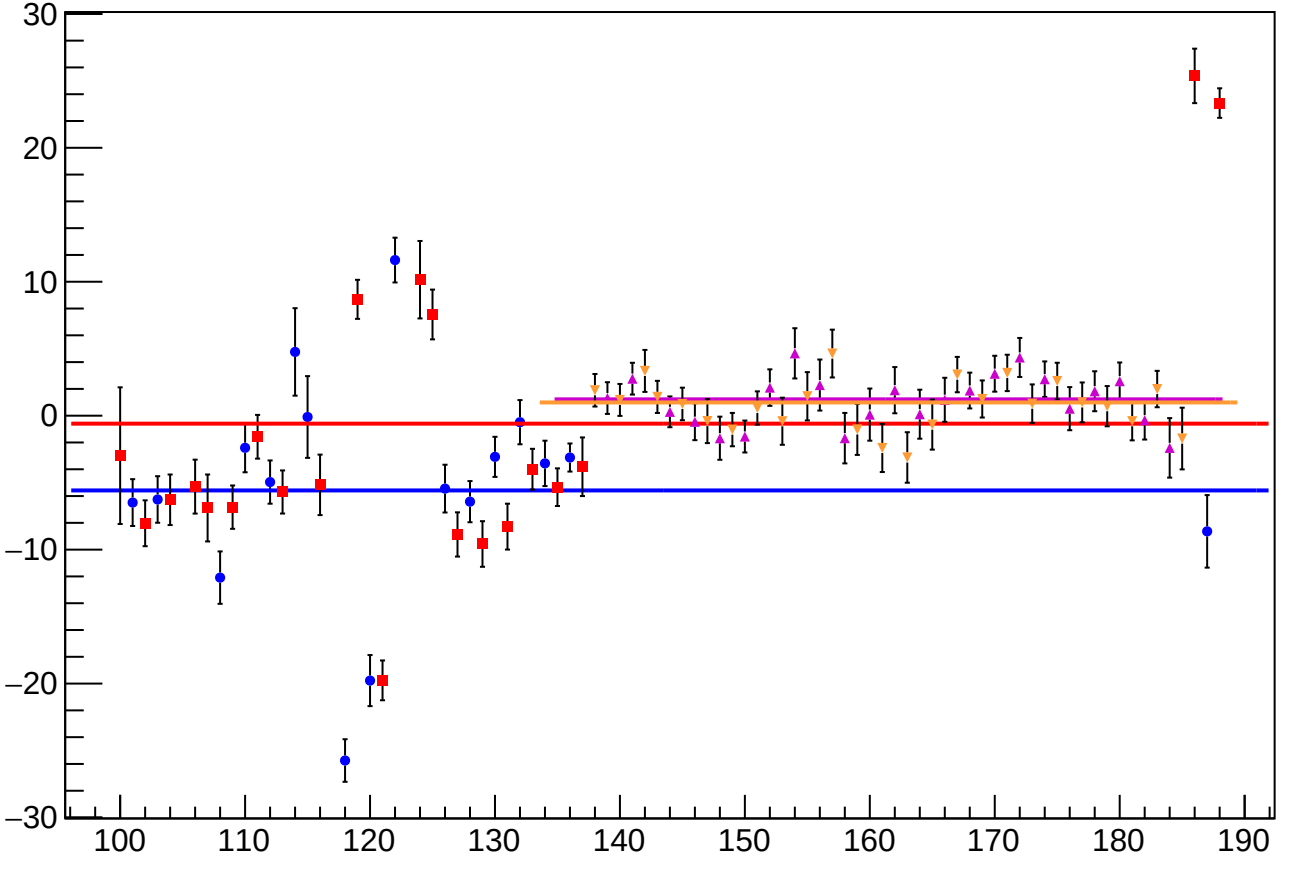
In: -1.192+/-1.616 χ^2/NDF:164.7/39

Out: -6.056+/-1.515 χ^2/NDF:119.6/45

All: -3.782+/-1.105 χ^2/NDF: 289.2/85


diff_bpm0l09X_rms vs Slug, Sign Corrected
10000
9000
8000
7000
6000
100
110
120
130
140
150
160
170
180
190
Right In: 8150.693+/-2.142 χ²/NDF: 298545.1/16
Left Out: 8028.056+/-1.303 χ²/NDF:332457.9/24
Right Out: 7820.927+/-1.882 χ²/NDF: 433724.8/20
Left In: 8095.368+/-1.351 χ²/NDF:367451.5/22
Left: 8060.478+/-0.938 χ²/NDF: 701195.2/47
Right: 7964.592+/-1.414 χ²/NDF: 745649.5/37
In: 8111.124+/-1.143 χ²/NDF:666473.9/39
Out: 7960.941+/-1.071 χ²/NDF:774372.9/45
All: 8031.168+/-0.782 χ²/NDF: 1450039.3/85

diff_bpm0l09Y_mean vs Slug, Sign Corrected



Right In: -5.580+/-0.416 χ^2/NDF: 371.1/16

Left Out: 0.988+/-0.292 χ^2/NDF:31.0/24

Right Out: -0.595+/-0.378 χ^2/NDF: 1035.1/20

Left In: 1.219+/-0.307 χ^2/NDF:33.1/22

Left: 1.098+/-0.212 χ^2/NDF: 64.4/47

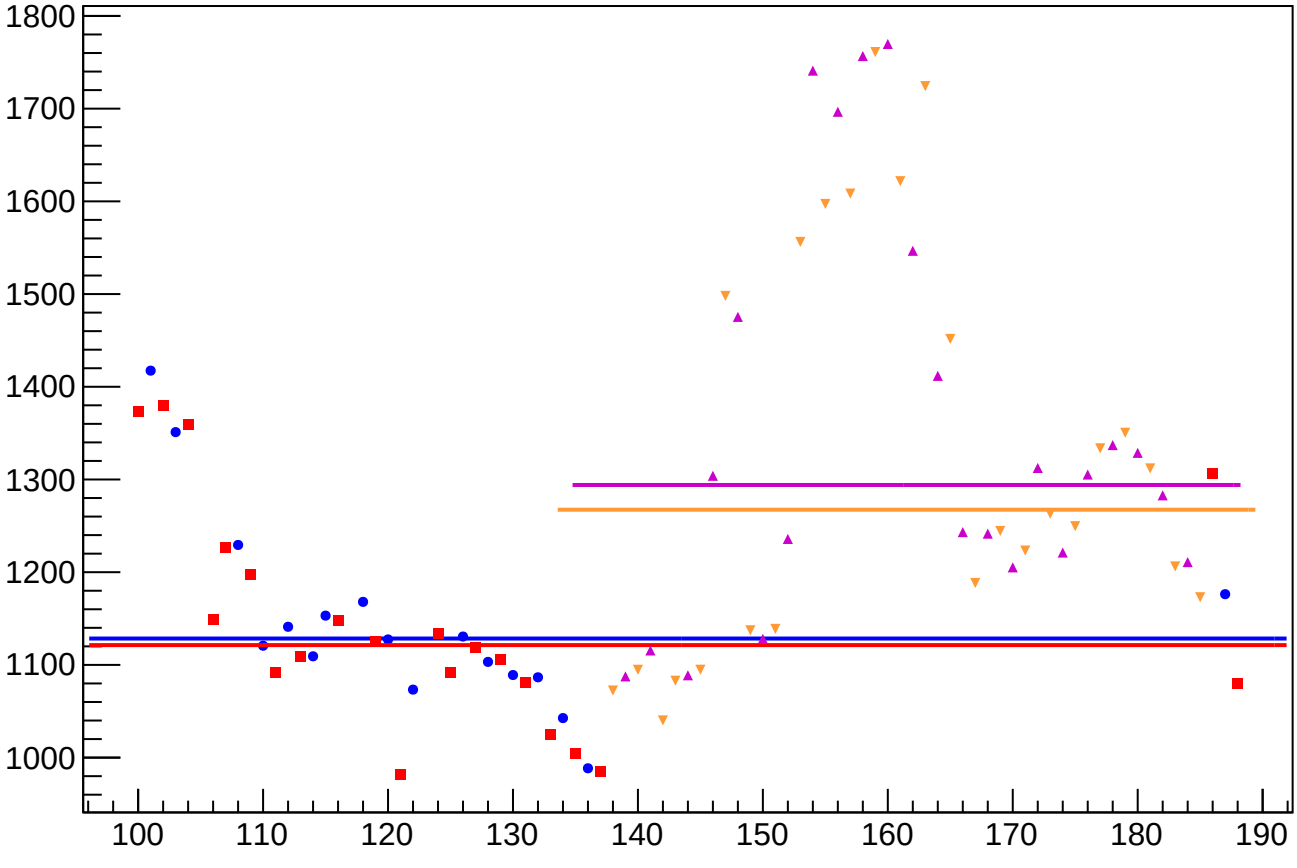
Right: -2.849+/-0.280 χ^2/NDF: 1484.9/37

In: -1.175+/-0.247 χ^2/NDF:577.4/39

Out: 0.396+/-0.231 χ^2/NDF:1077.1/45

All: -0.339+/-0.169 χ^2/NDF: 1676.1/85

diff_bpm0l09Y_rms vs Slug, Sign Corrected



Right In: 1128.445+/-0.294 χ^2/NDF: 141255.2/16

Left Out: 1267.405+/-0.207 χ^2/NDF:878431.8/24

Right Out: 1121.356+/-0.267 χ^2/NDF: 160186.2/20

Left In: 1294.076+/-0.217 χ^2/NDF:758193.5/22

Left: 1280.108+/-0.150 χ^2/NDF: 1644552.9/47

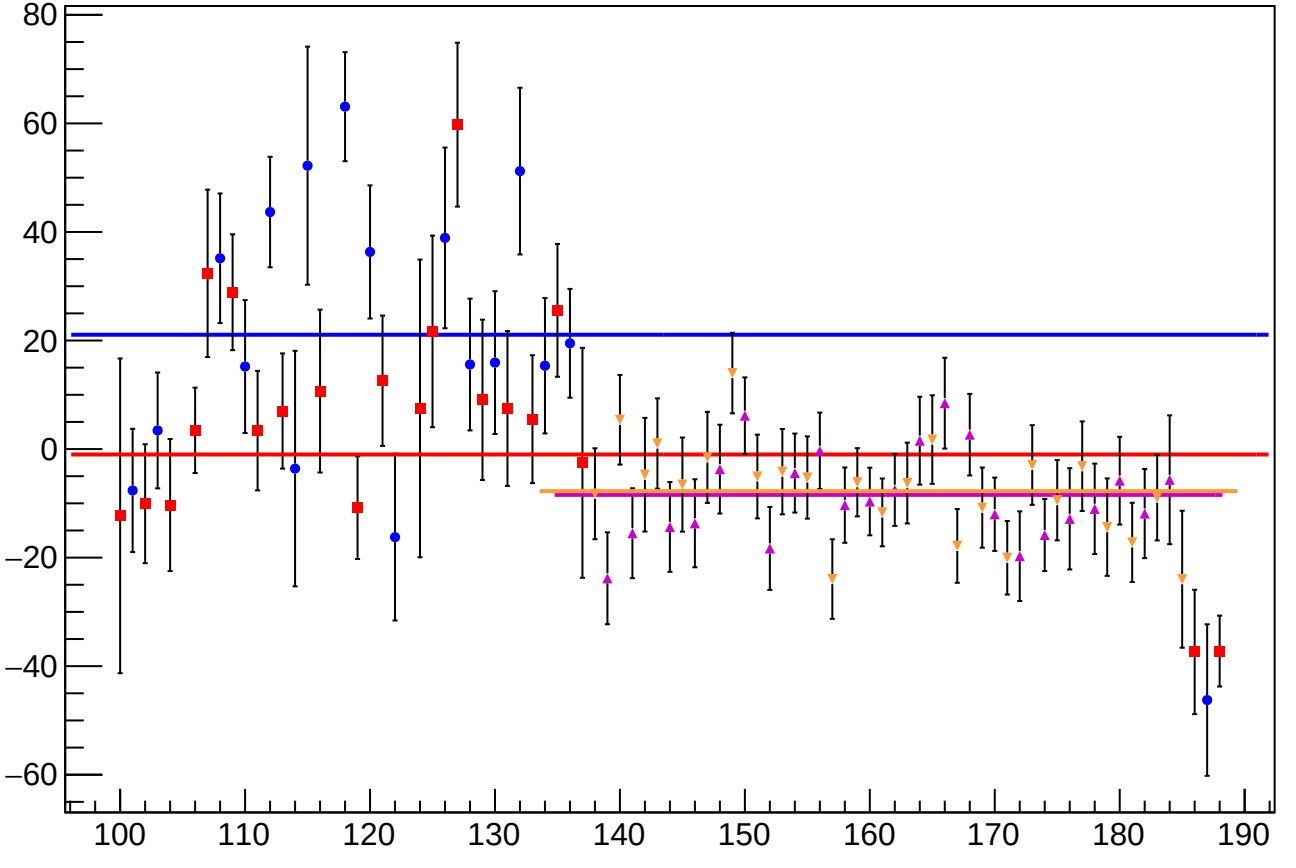
Right: 1124.562+/-0.198 χ^2/NDF: 301759.8/37

In: 1235.760+/-0.174 χ^2/NDF:1104987.4/39

Out: 1212.716+/-0.164 χ^2/NDF:1225515.6/45

All: 1223.490+/-0.119 χ^2/NDF: 2339790.0/85

diff_bpm0l10X_mean vs Slug, Sign Corrected



Right In: 21.064+/-3.060 χ^2/NDF: 72.8/16

Left Out: -7.752+/-1.547 χ^2/NDF:30.4/24

Right Out: -1.000+/-2.576 χ^2/NDF: 82.6/20

Left In: -8.438+/-1.605 χ^2/NDF:24.8/22

Left: -8.082+/-1.114 χ^2/NDF: 55.3/47

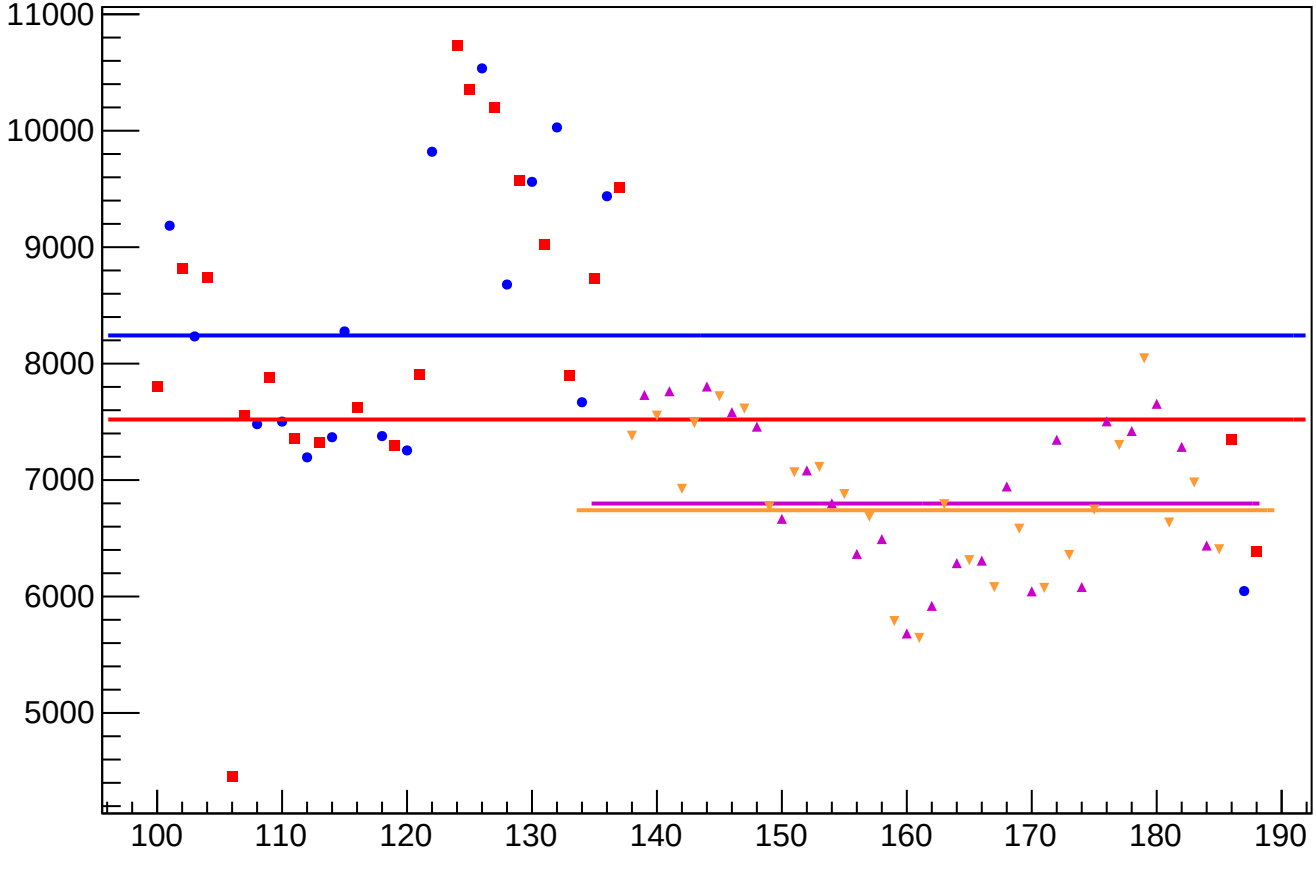
Right: 8.151+/-1.971 χ^2/NDF: 185.8/37

In: -2.074+/-1.421 χ^2/NDF:170.5/39

Out: -5.963+/-1.326 χ^2/NDF:118.0/45

All: -4.153+/-0.969 χ^2/NDF: 292.5/85

diff_bpm0l10X_rms vs Slug, Sign Corrected



Right In: 8241.896+/-2.164 χ^2/NDF: 272394.6/16

Left Out: 6740.835+/-1.094 χ^2/NDF:316707.6/24

Right Out: 7520.126+/-1.821 χ^2/NDF: 661490.4/20

Left In: 6798.524+/-1.135 χ^2/NDF:353277.6/22

Left: 6768.617+/-0.787 χ^2/NDF: 671325.3/47

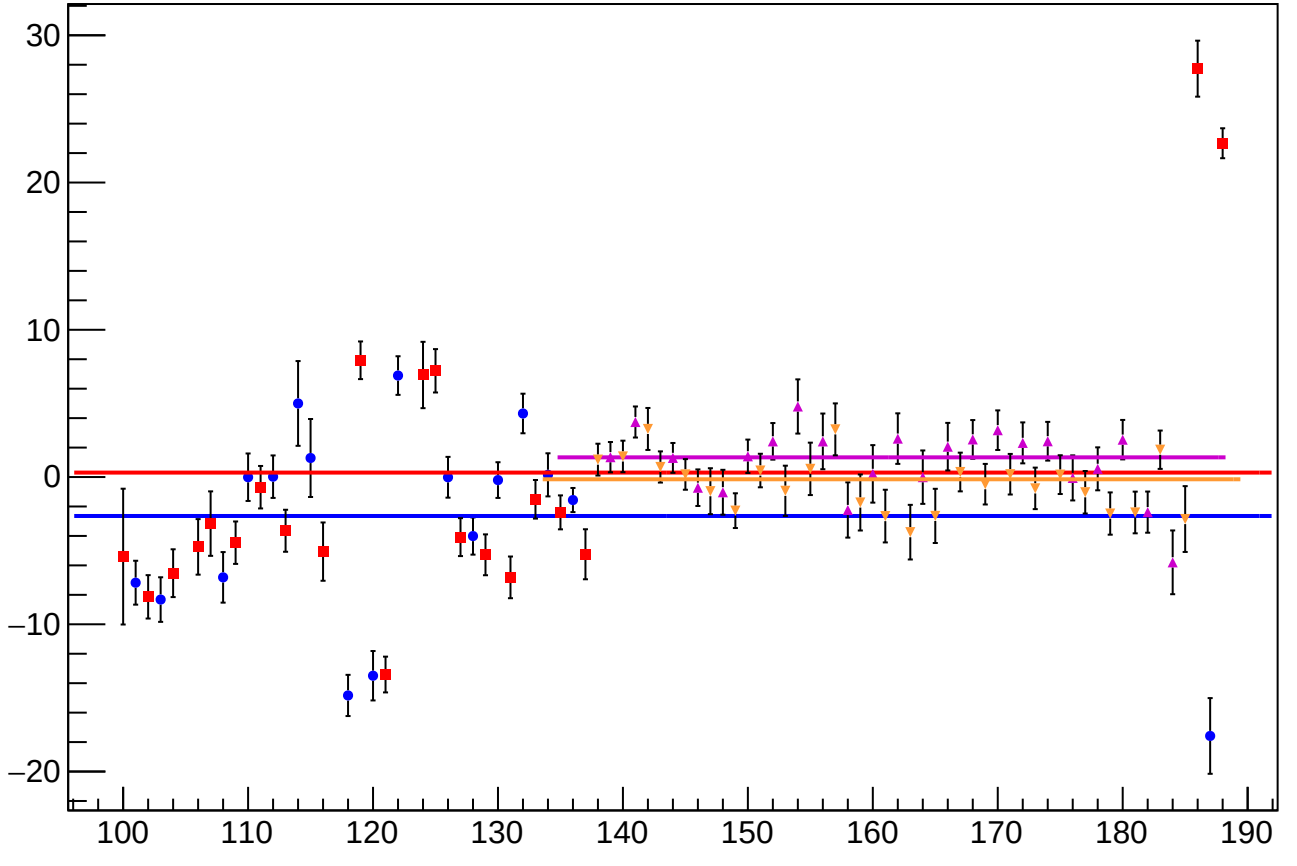
Right: 7819.482+/-1.393 χ^2/NDF: 999013.9/37

In: 7109.855+/-1.005 χ^2/NDF:974713.6/39

Out: 6947.332+/-0.938 χ^2/NDF:1112748.2/45

All: 7022.973+/-0.686 χ^2/NDF: 2101446.1/85

diff_bpm0l10Y_mean vs Slug, Sign Corrected



Right In: -2.645+/-0.347 χ^2/NDF: 290.0/16

Left Out: -0.152+/-0.277 χ^2/NDF:36.1/24

Right Out: 0.302+/-0.323 χ^2/NDF: 1044.7/20

Left In: 1.337+/-0.290 χ^2/NDF:44.0/22

Left: 0.557+/-0.200 χ^2/NDF: 93.9/47

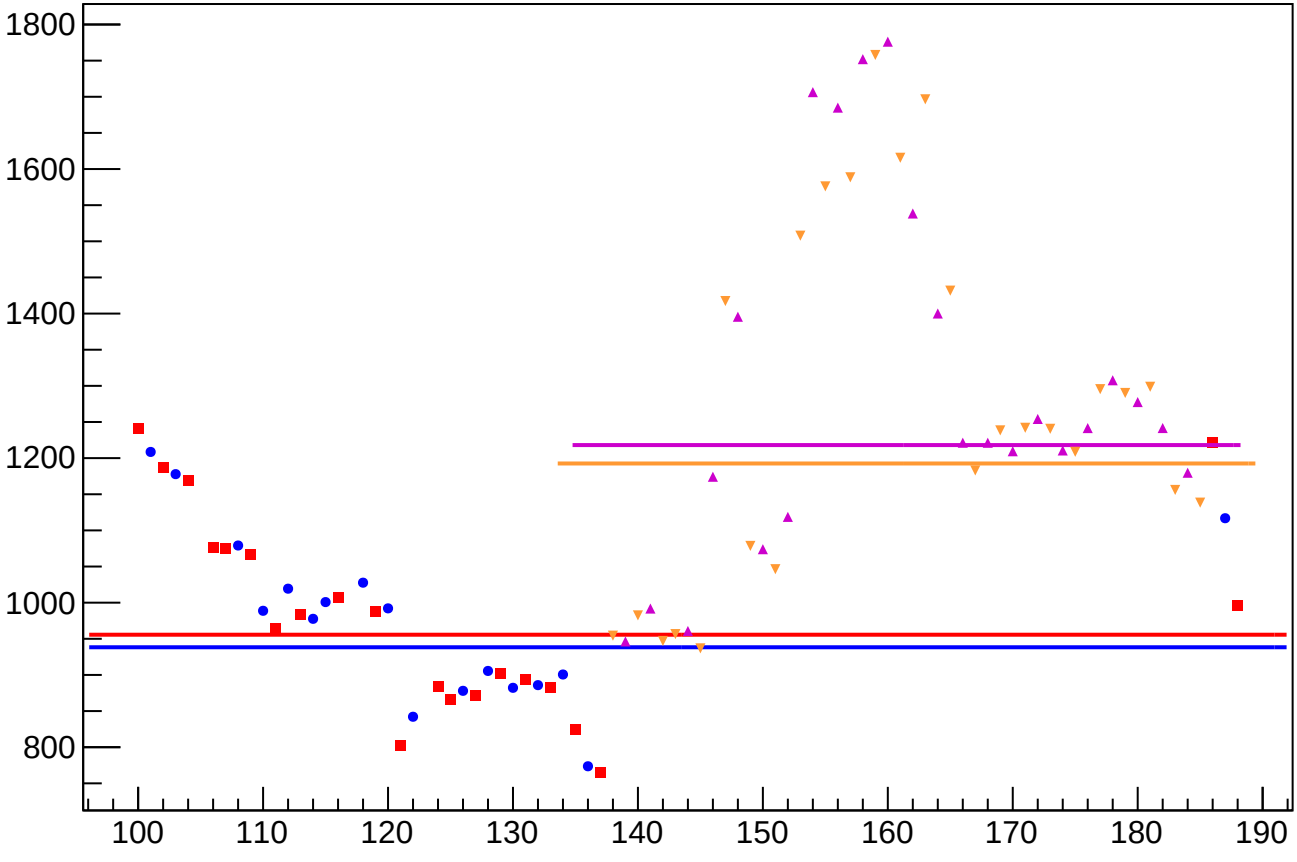
Right: -1.066+/-0.237 χ^2/NDF: 1373.2/37

In: -0.300+/-0.223 χ^2/NDF:411.4/39

Out: 0.040+/-0.210 χ^2/NDF:1081.9/45

All: -0.120+/-0.153 χ^2/NDF: 1494.6/85

diff_bpm0l10Y_rms vs Slug, Sign Corrected



Right In: 938.293+/-0.246 χ^2/NDF: 264191.4/16

Left Out: 1192.579+/-0.196 χ^2/NDF:1320181.3/24

Right Out: 955.649+/-0.228 χ^2/NDF: 277947.2/20

Left In: 1218.058+/-0.205 χ^2/NDF:1127896.8/22

Left: 1204.714+/-0.142 χ^2/NDF: 2456154.6/47

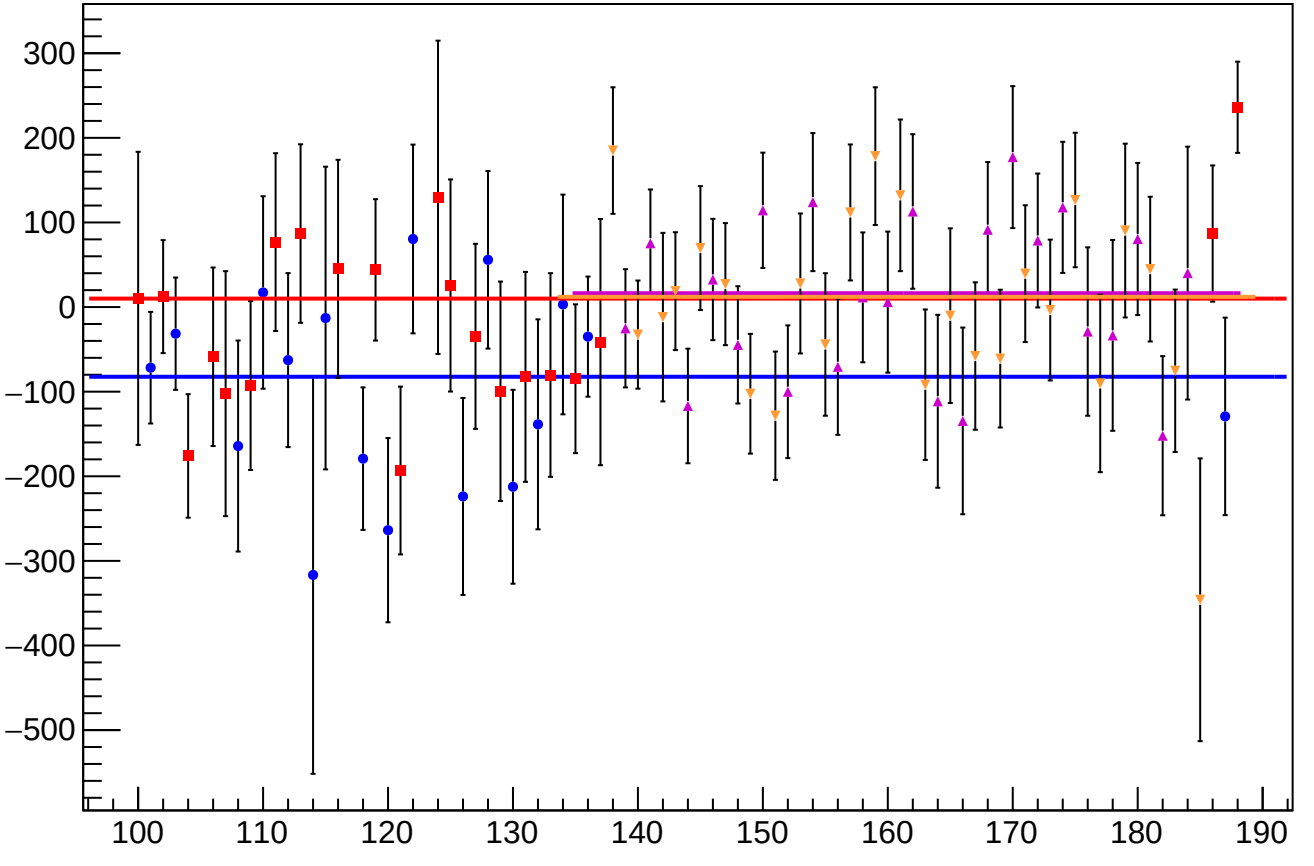
Right: 947.595+/-0.167 χ^2/NDF: 544816.7/37

In: 1103.031+/-0.157 χ^2/NDF:2156556.6/39

Out: 1092.334+/-0.149 χ^2/NDF:2218540.1/45

All: 1097.374+/-0.108 χ^2/NDF: 4377538.2/85

diff_bpm0r03X_mean vs Slug, Sign Corrected



Right In: -82.383+/-24.360 χ^2/NDF: 15.0/16

Left Out: 12.081+/-16.608 χ^2/NDF:32.8/24

Right Out: 10.003+/-21.254 χ^2/NDF: 36.2/20

Left In: 16.339+/-17.018 χ^2/NDF:28.7/22

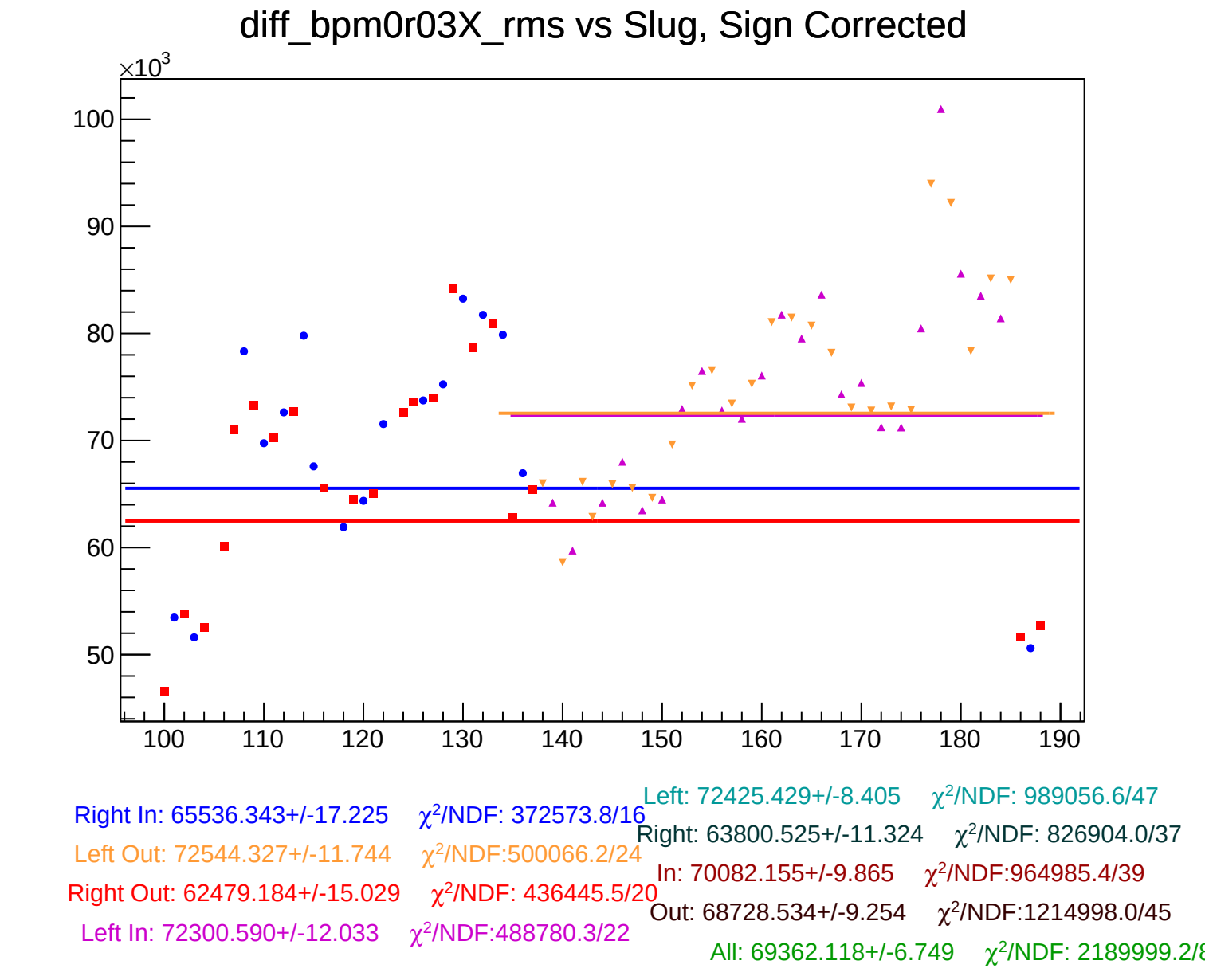
Left: 14.158+/-11.886 χ^2/NDF: 61.5/47

Right: -29.927+/-16.015 χ^2/NDF: 59.3/37

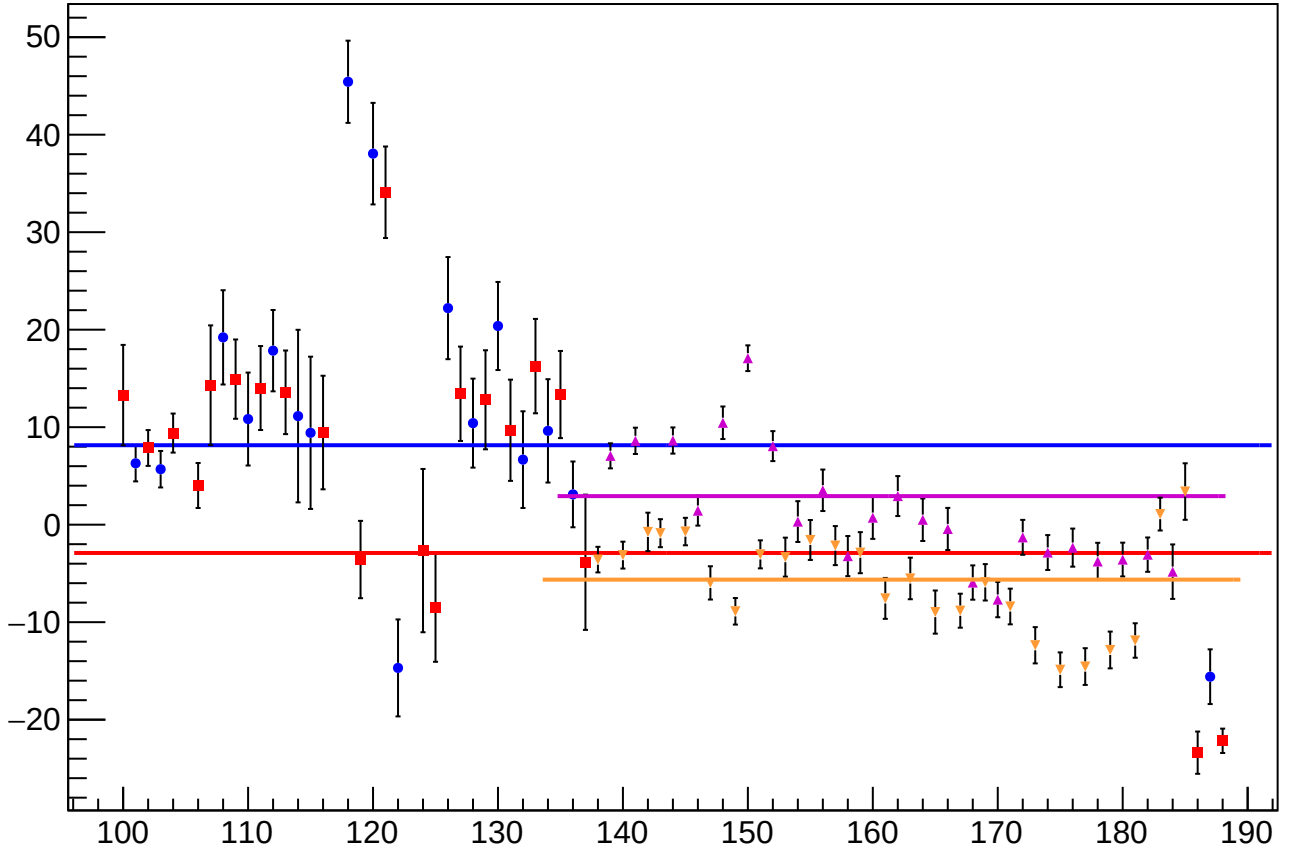
In: -16.038+/-13.951 χ^2/NDF:54.7/39

Out: 11.293+/-13.086 χ^2/NDF:69.0/45

All: -1.500+/-9.544 χ^2/NDF: 125.7/85


diff_bpm0r03X_rms vs Slug, Sign Corrected
×10^3
100
90
80
70
60
50
100
110
120
130
140
150
160
170
180
190
Right In: 65536.343+/-17.225 χ²/NDF: 372573.8/16
Left Out: 72544.327+/-11.744 χ²/NDF:500066.2/24
Right Out: 62479.184+/-15.029 χ²/NDF: 436445.5/20
Left In: 72300.590+/-12.033 χ²/NDF:488780.3/22
Left: 72425.429+/-8.405 χ²/NDF: 989056.6/47
Right: 63800.525+/-11.324 χ²/NDF: 826904.0/37
In: 70082.155+/-9.865 χ²/NDF:964985.4/39
Out: 68728.534+/-9.254 χ²/NDF:1214998.0/45
All: 69362.118+/-6.749 χ²/NDF: 2189999.2/8

diff_bpm0r03Y_mean vs Slug, Sign Corrected



Right In: 8.149+/-0.875 χ^2/NDF: 234.9/16

Left Out: -5.636+/-0.349 χ^2/NDF:178.2/24

Right Out: -2.901+/-0.668 χ^2/NDF: 599.0/20

Left In: 2.929+/-0.362 χ^2/NDF:337.4/22

Left: -1.513+/-0.251 χ^2/NDF: 805.4/47

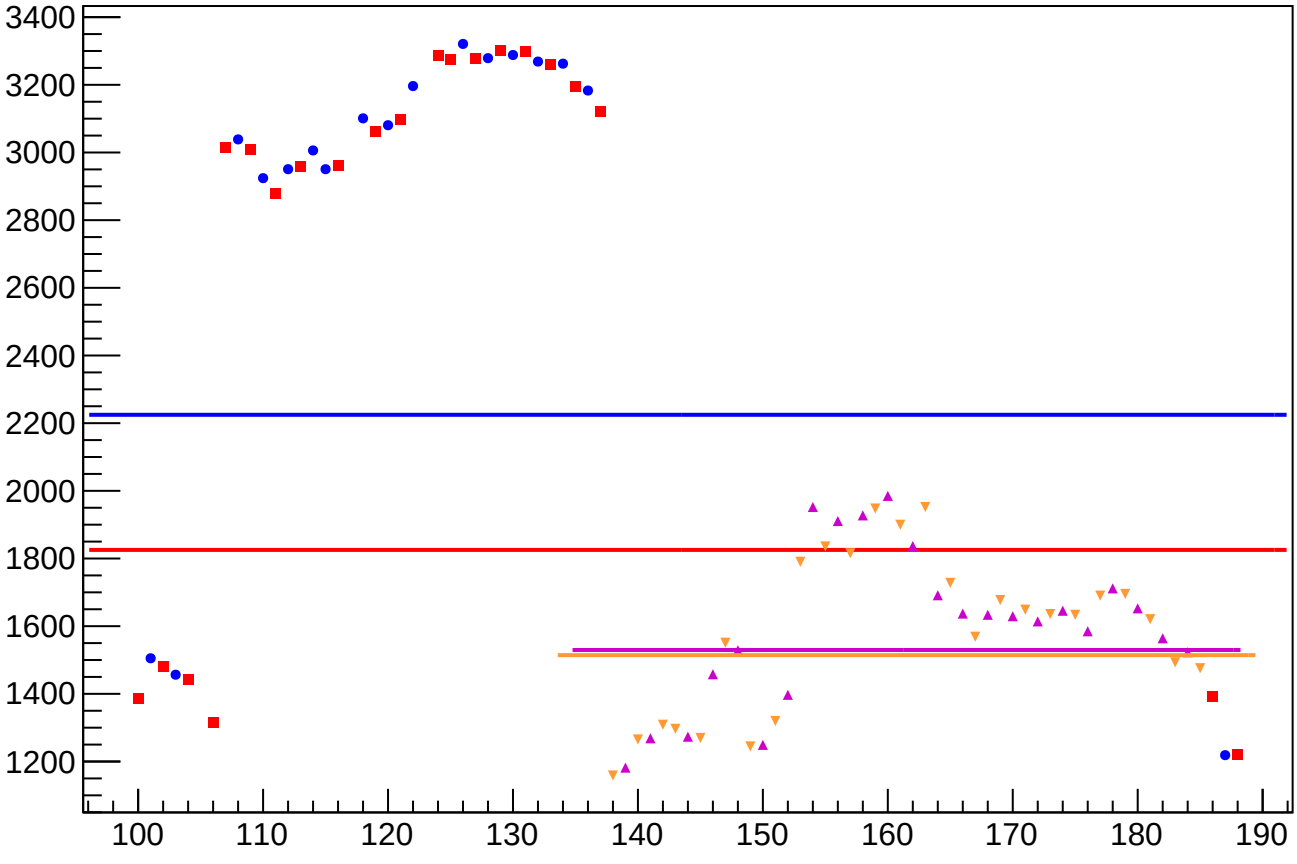
Right: 1.173+/-0.531 χ^2/NDF: 934.6/37

In: 3.693+/-0.335 χ^2/NDF:602.6/39

Out: -5.050+/-0.309 χ^2/NDF:790.3/45

All: -1.021+/-0.227 χ^2/NDF: 1760.9/85

diff_bpm0r03Y_rms vs Slug, Sign Corrected



Right In: 2224.742+/-0.618 χ^2/NDF: 1936147.3/16

Left Out: 1514.334+/-0.247 χ^2/NDF:933332.1/24

Right Out: 1825.435+/-0.473 χ^2/NDF: 2864456.2/20

Left In: 1529.635+/-0.256 χ^2/NDF:828481.7/22

Left: 1521.700+/-0.178 χ^2/NDF: 1763664.0/47

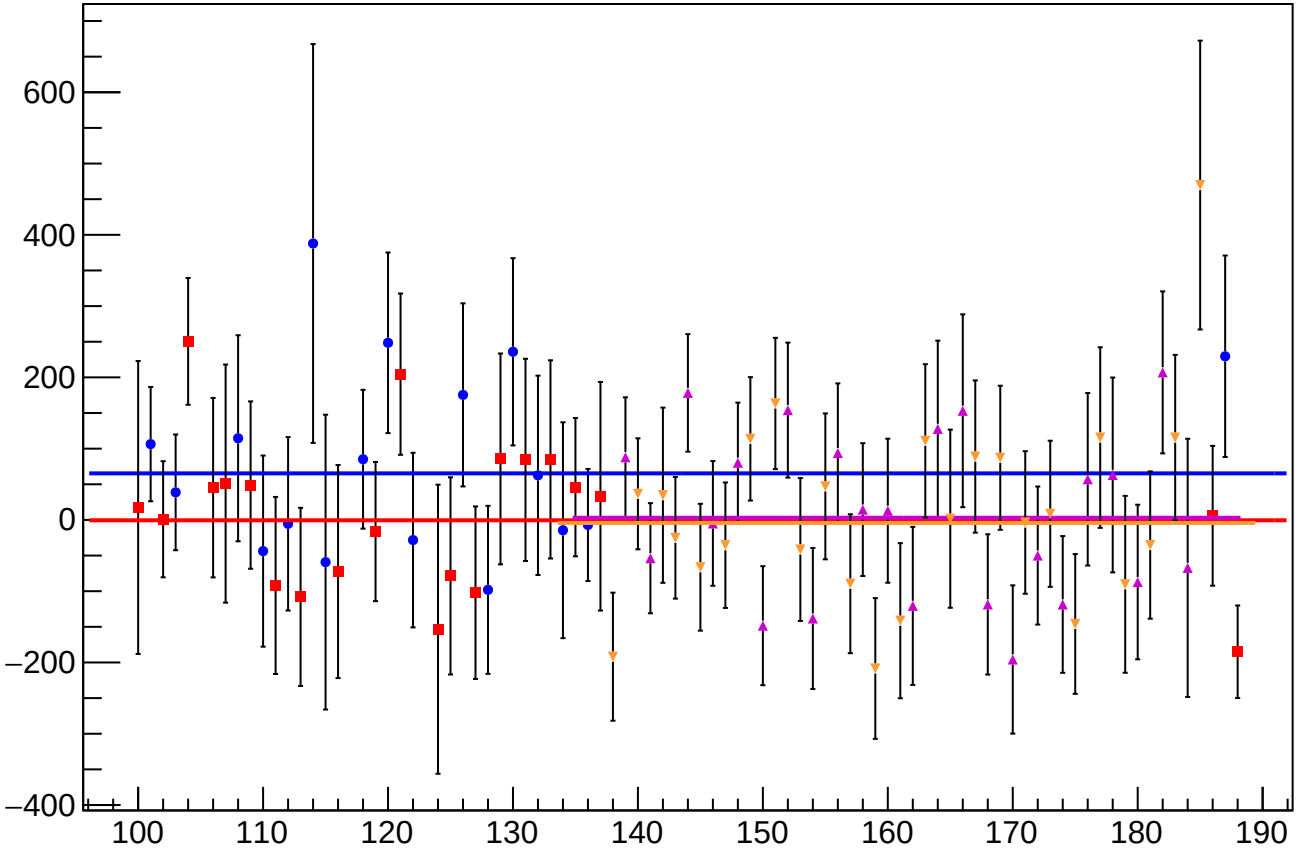
Right: 1972.660+/-0.376 χ^2/NDF: 5063741.4/37

In: 1631.417+/-0.237 χ^2/NDF:3842776.7/39

Out: 1580.982+/-0.219 χ^2/NDF:4138187.0/45

All: 1604.221+/-0.161 χ^2/NDF: 8005451.6/85

diff_bpm0r05X_mean vs Slug, Sign Corrected



Right In: 65.322+/-28.331 χ^2/NDF: 12.7/16

Left Out: -4.274+/-20.240 χ^2/NDF:30.4/24

Right Out: -0.523+/-24.944 χ^2/NDF: 24.2/20

Left In: 3.017+/-20.720 χ^2/NDF:30.7/22

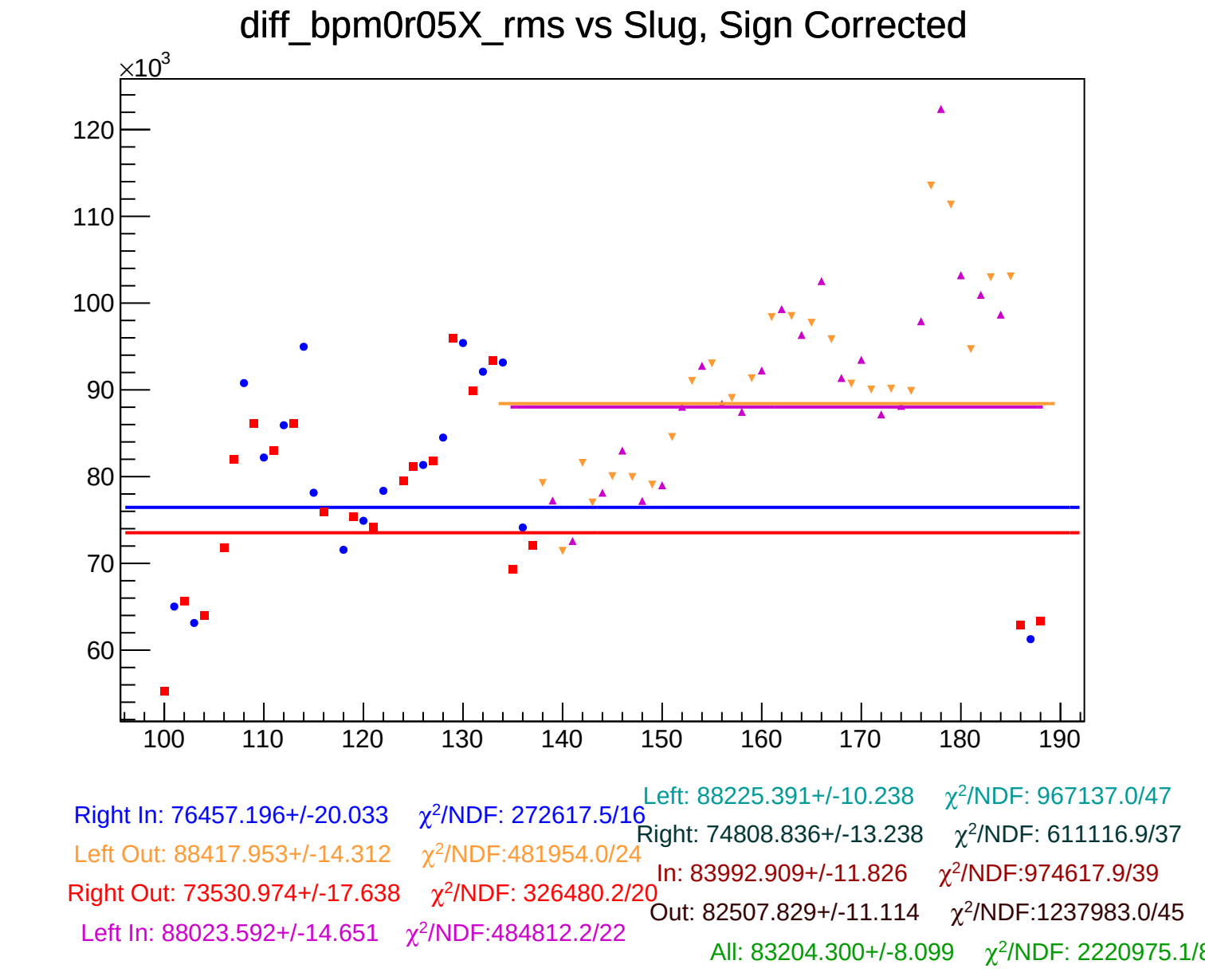
Left: -0.714+/-14.478 χ^2/NDF: 61.2/47

Right: 28.231+/-18.722 χ^2/NDF: 40.0/37

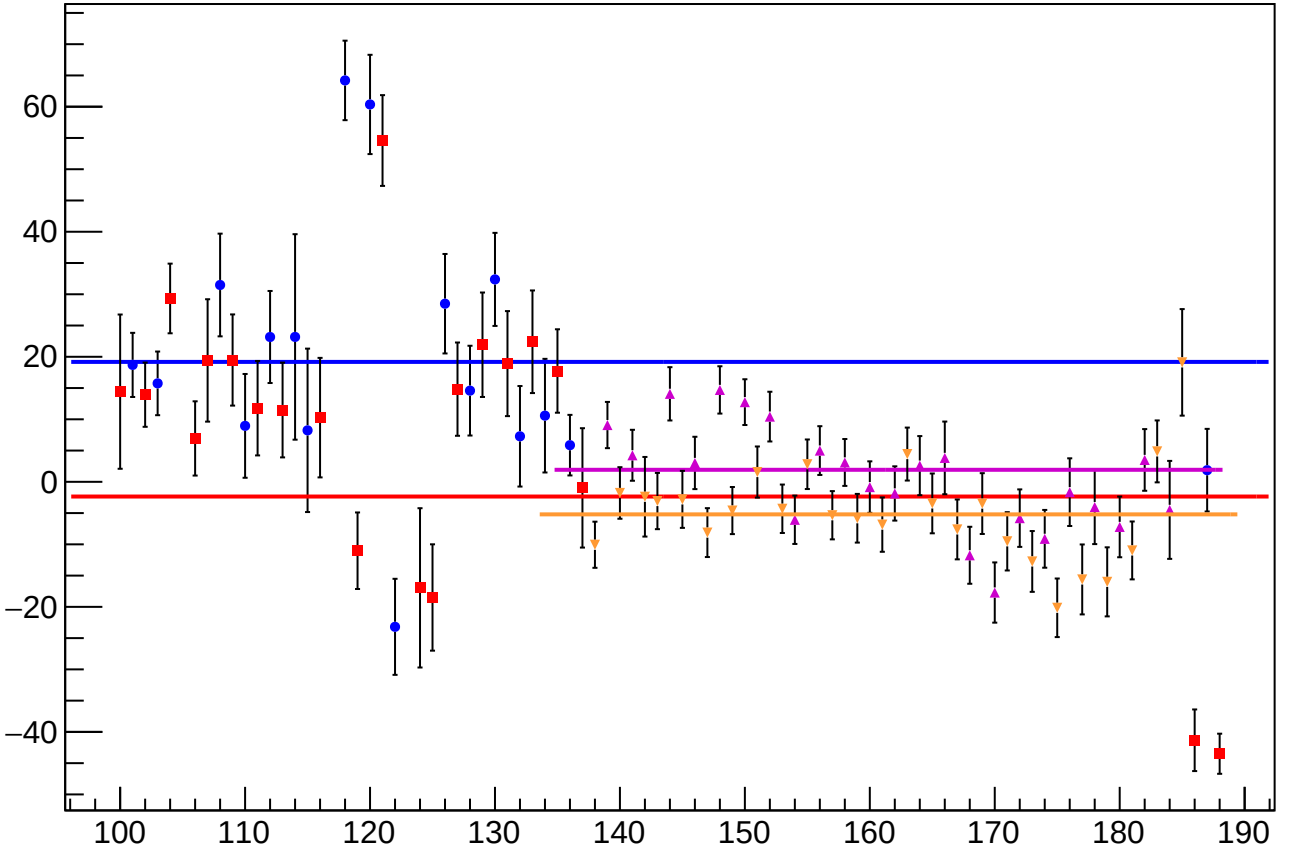
In: 24.729+/-16.724 χ^2/NDF:46.6/39

Out: -2.785+/-15.717 χ^2/NDF:54.7/45

All: 10.119+/-11.453 χ^2/NDF: 102.7/85


diff_bpm0r05X_rms vs Slug, Sign Corrected
×10^3
120
110
100
90
80
70
60
100
110
120
130
140
150
160
170
180
190
Right In: 76457.196+/-20.033 χ²/NDF: 272617.5/16
Left Out: 88417.953+/-14.312 χ²/NDF:481954.0/24
Right Out: 73530.974+/-17.638 χ²/NDF: 326480.2/20
Left In: 88023.592+/-14.651 χ²/NDF:484812.2/22
Left: 88225.391+/-10.238 χ²/NDF: 967137.0/47
Right: 74808.836+/-13.238 χ²/NDF: 611116.9/37
In: 83992.909+/-11.826 χ²/NDF:974617.9/39
Out: 82507.829+/-11.114 χ²/NDF:1237983.0/45
All: 83204.300+/-8.099 χ²/NDF: 2220975.1/8

diff_bpm0r05Y_mean vs Slug, Sign Corrected



Right In: 19.182+/-1.720 χ^2/NDF: 135.2/16

Left Out: -5.206+/-0.894 χ^2/NDF:51.0/24

Right Out: -2.352+/-1.445 χ^2/NDF: 403.1/20

Left In: 1.924+/-0.916 χ^2/NDF:83.2/22

Left: -1.729+/-0.640 χ^2/NDF: 165.2/47

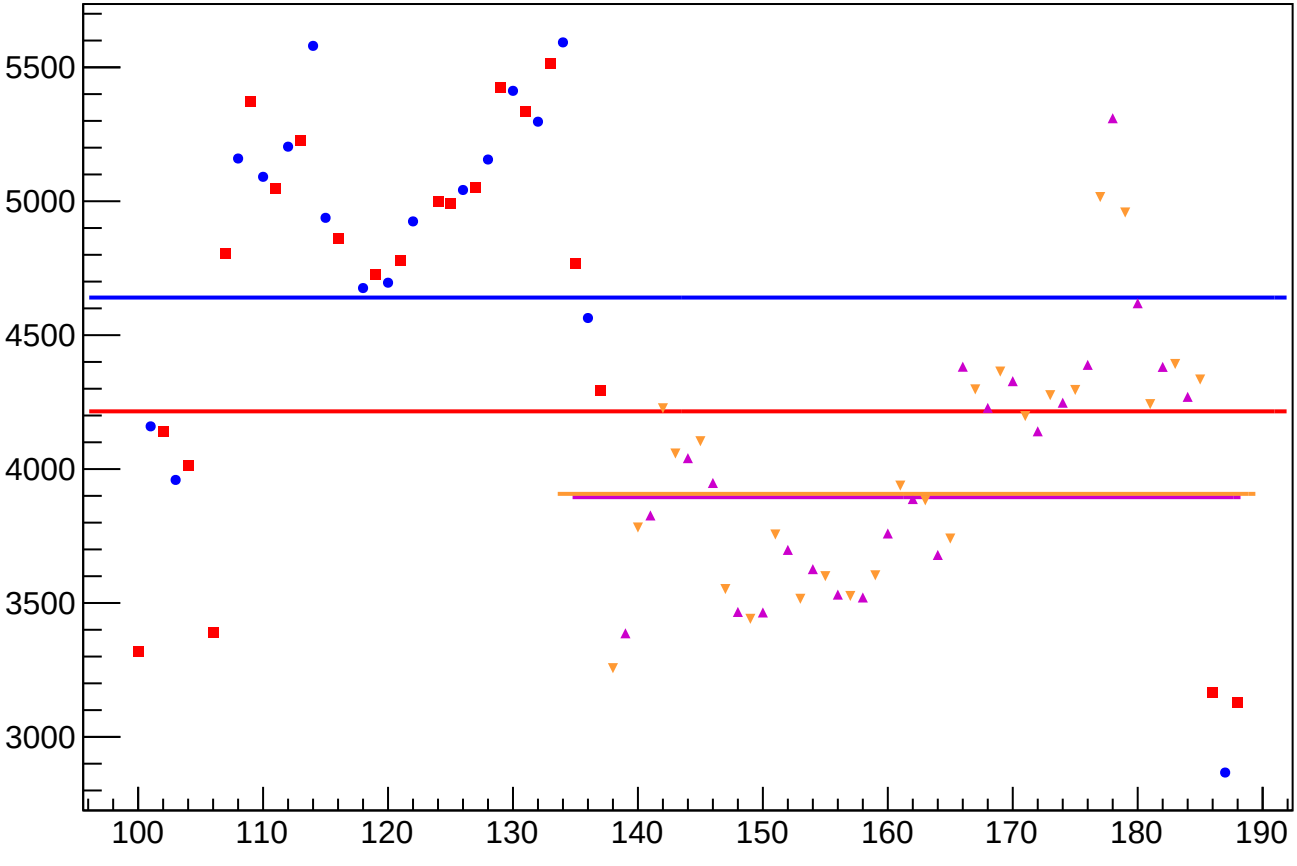
Right: 6.555+/-1.107 χ^2/NDF: 630.1/37

In: 5.737+/-0.809 χ^2/NDF:296.8/39

Out: -4.416+/-0.760 χ^2/NDF:456.9/45

All: 0.346+/-0.554 χ^2/NDF: 837.4/85

diff_bpm0r05Y_rms vs Slug, Sign Corrected



Right In: 4640.398+/-1.217 χ^2/NDF: 306224.8/16

Left Out: 3907.465+/-0.632 χ^2/NDF:441202.5/24

Right Out: 4215.491+/-1.022 χ^2/NDF: 716312.6/20

Left In: 3895.108+/-0.648 χ^2/NDF:409913.9/22

Left: 3901.439+/-0.452 χ^2/NDF: 851302.8/47

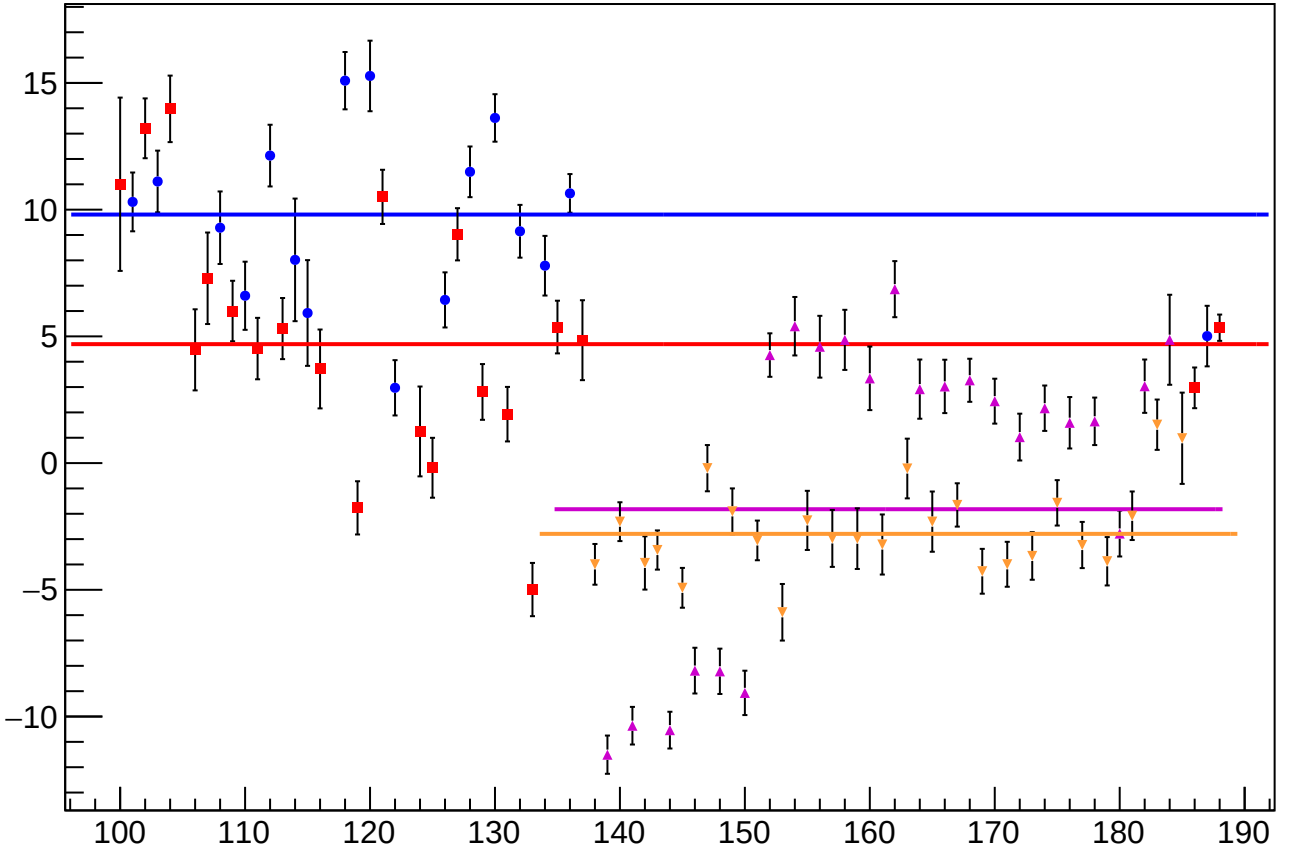
Right: 4391.242+/-0.782 χ^2/NDF: 1094067.3/37

In: 4059.784+/-0.572 χ^2/NDF:1008510.6/39

Out: 3992.710+/-0.538 χ^2/NDF:1223244.5/45

All: 4024.172+/-0.392 χ^2/NDF: 2239059.1/85

diff_bpm2i01X_mean vs Slug, Sign Corrected



Right In: 9.807+/-0.280 χ^2/NDF: 141.0/16

Left Out: -2.792+/-0.190 χ^2/NDF:68.4/24

Right Out: 4.693+/-0.239 χ^2/NDF: 316.4/20

Left In: -1.820+/-0.198 χ^2/NDF:1026.0/22

Left: -2.327+/-0.137 χ^2/NDF: 1107.0/47

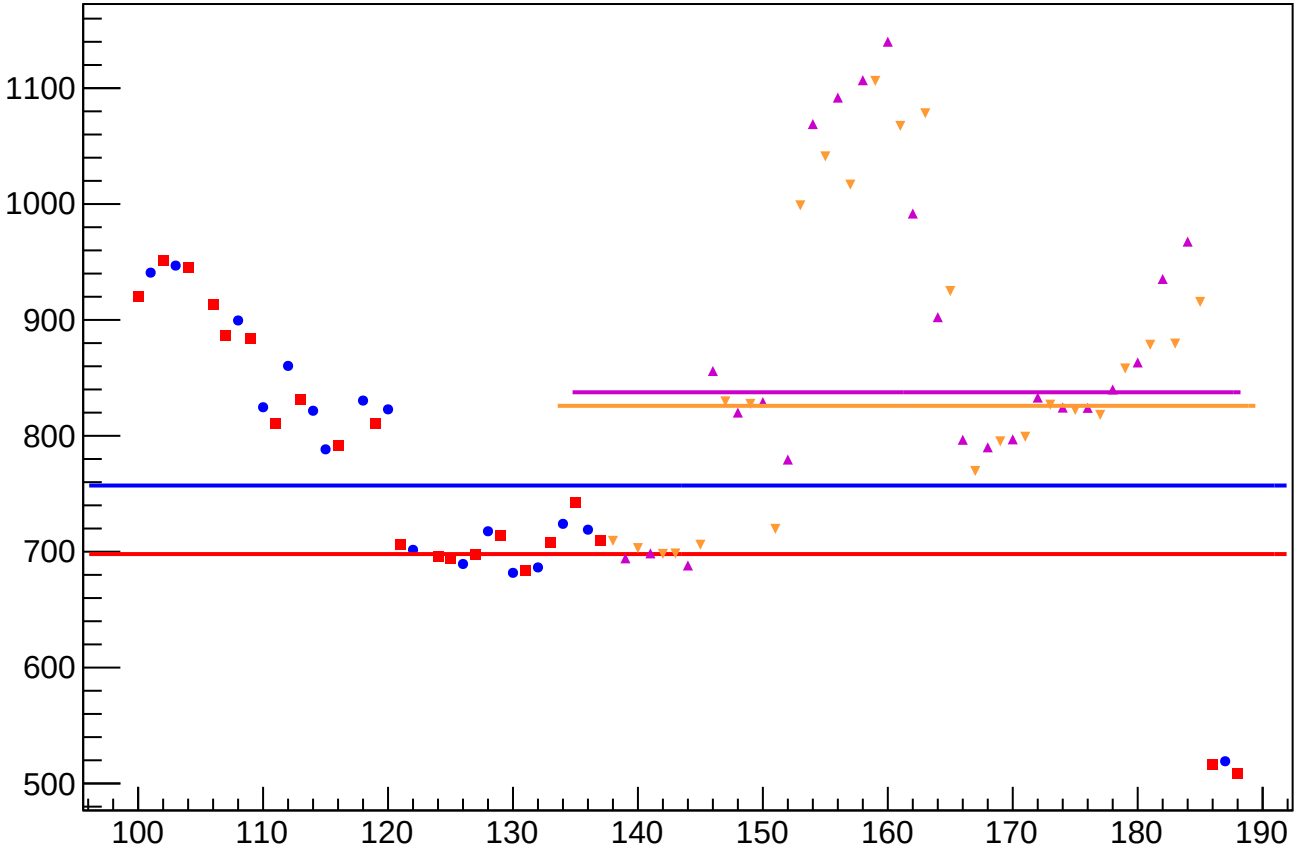
Right: 6.845+/-0.182 χ^2/NDF: 650.1/37

In: 2.054+/-0.162 χ^2/NDF:2314.1/39

Out: 0.108+/-0.149 χ^2/NDF:985.9/45

All: 1.000+/-0.110 χ^2/NDF: 3378.4/85

diff_bpm2i01X_rms vs Slug, Sign Corrected



Right In: 757.109+/-0.198 χ^2/NDF: 276870.1/16

Left Out: 825.883+/-0.134 χ^2/NDF:765050.9/24

Right Out: 697.961+/-0.169 χ^2/NDF: 723553.4/20

Left In: 837.569+/-0.140 χ^2/NDF:714157.0/22

Left: 831.482+/-0.097 χ^2/NDF: 1482830.3/47

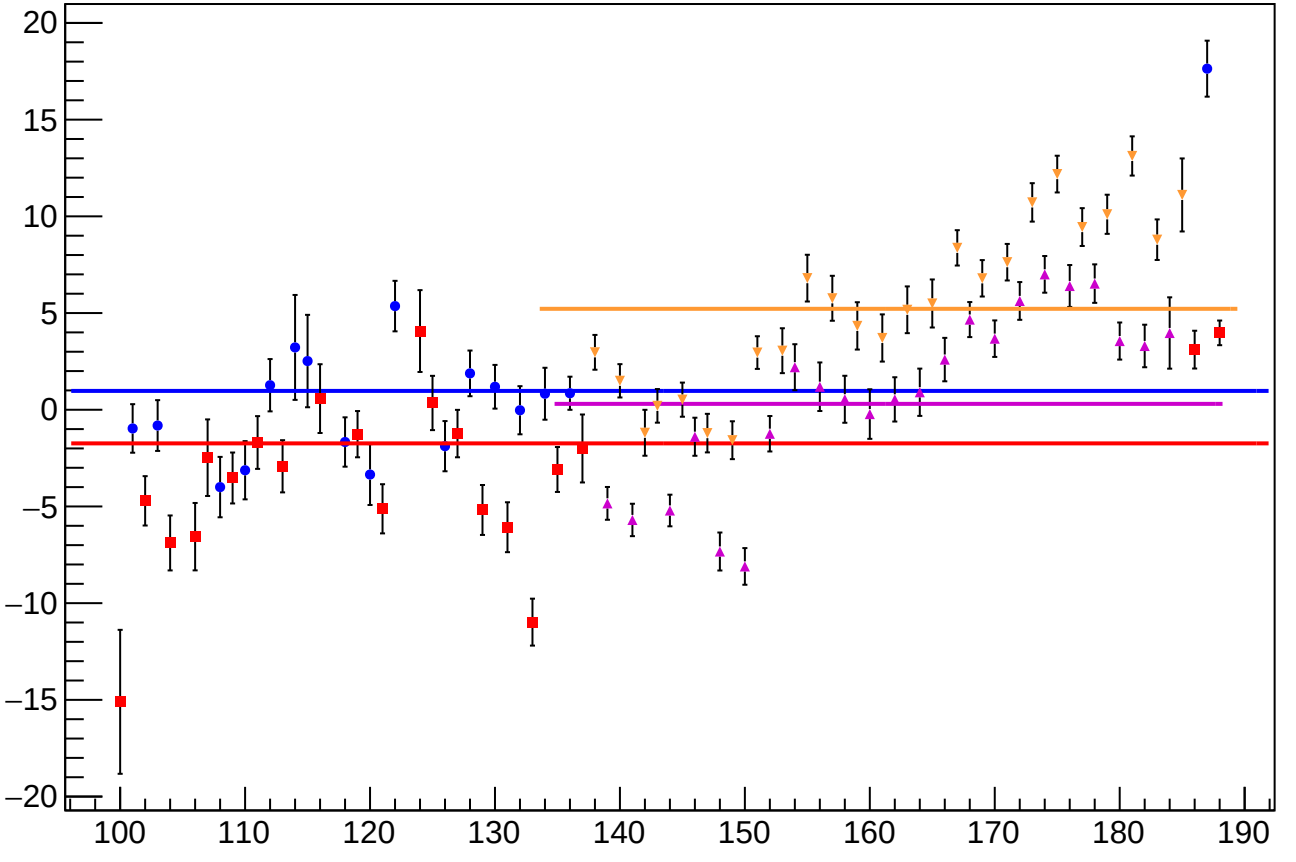
Right: 722.854+/-0.129 χ^2/NDF: 1051993.0/37

In: 810.758+/-0.114 χ^2/NDF:1100890.1/39

Out: 776.312+/-0.105 χ^2/NDF:1839654.0/45

All: 792.089+/-0.077 χ^2/NDF: 2989663.1/85

diff_bpm2i01Y_mean vs Slug, Sign Corrected



Right In: 0.974+/-0.322 χ^2/NDF: 184.7/16

Left Out: 5.219+/-0.204 χ^2/NDF:449.9/24

Right Out: -1.739+/-0.278 χ^2/NDF: 243.5/20

Left In: 0.304+/-0.213 χ^2/NDF:495.2/22

Left: 2.859+/-0.147 χ^2/NDF: 1222.8/47

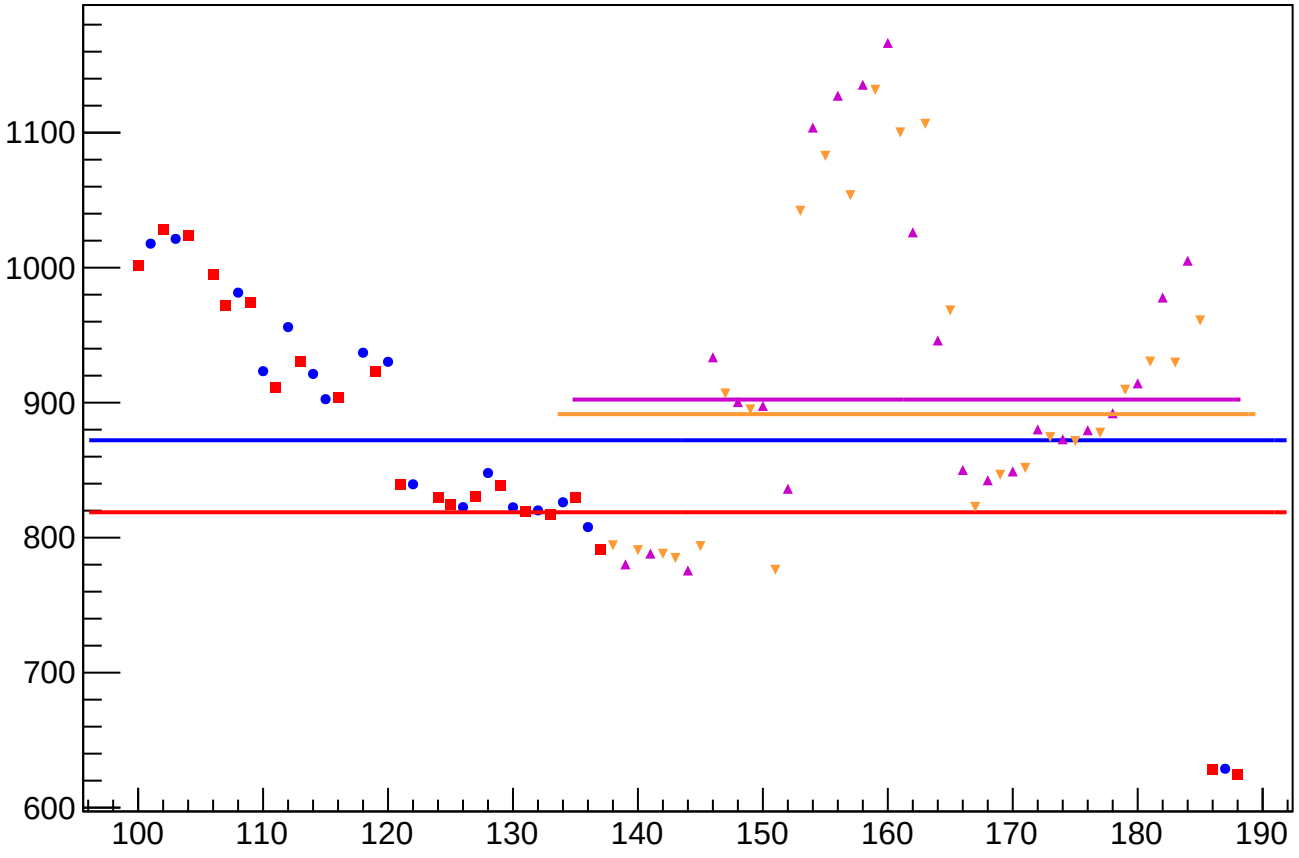
Right: -0.577+/-0.210 χ^2/NDF: 468.9/37

In: 0.508+/-0.177 χ^2/NDF:683.0/39

Out: 2.781+/-0.165 χ^2/NDF:1099.6/45

All: 1.729+/-0.121 χ^2/NDF: 1870.7/85

diff_bpm2i01Y_rms vs Slug, Sign Corrected



Right In: 872.136+/-0.227 χ^2/NDF: 163938.3/16

Left Out: 891.492+/-0.145 χ^2/NDF:517791.6/24

Right Out: 818.800+/-0.197 χ^2/NDF: 466838.4/20

Left In: 902.292+/-0.150 χ^2/NDF:484924.8/22

Left: 896.677+/-0.104 χ^2/NDF: 1005398.0/47

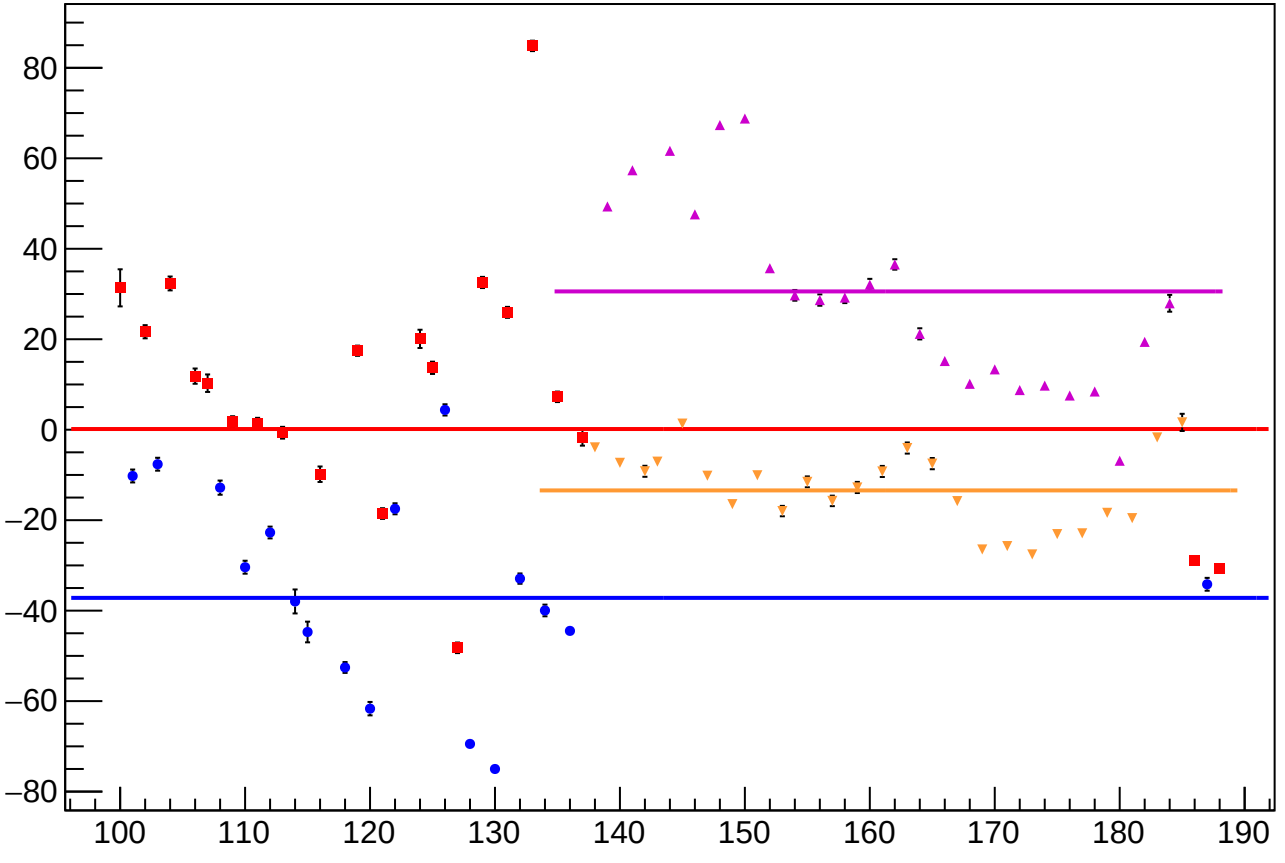
Right: 841.630+/-0.149 χ^2/NDF: 662228.1/37

In: 893.119+/-0.125 χ^2/NDF:661095.4/39

Out: 866.020+/-0.116 χ^2/NDF:1073291.3/45

All: 878.567+/-0.085 χ^2/NDF: 1759450.6/85

diff_bpm2i02X_mean vs Slug, Sign Corrected



Right In: -37.176+/-0.314 χ^2/NDF: 5189.4/16

Left Out: -13.420+/-0.206 χ^2/NDF:1663.3/24

Right Out: 0.152+/-0.271 χ^2/NDF: 13252.0/20

Left In: 30.571+/-0.215 χ^2/NDF:10386.5/22

Left: 7.613+/-0.149 χ^2/NDF: 33863.7/47

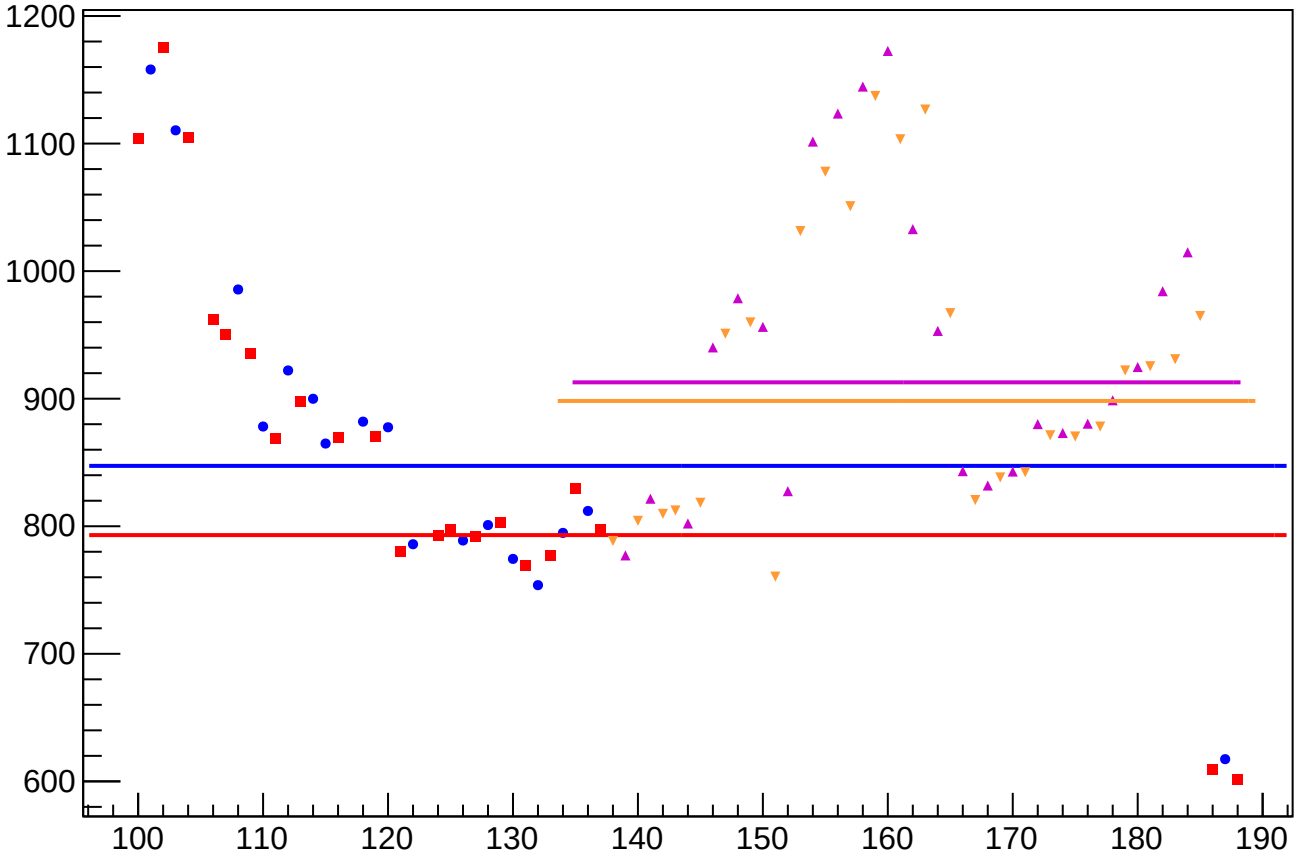
Right: -15.762+/-0.205 χ^2/NDF: 26559.4/37

In: 8.904+/-0.177 χ^2/NDF:47280.8/39

Out: -8.440+/-0.164 χ^2/NDF:16508.9/45

All: -0.458+/-0.120 χ^2/NDF: 68945.3/85

diff_bpm2i02X_rms vs Slug, Sign Corrected



Right In: 847.334+/-0.222 χ^2/NDF: 283785.5/16

Left Out: 898.227+/-0.146 χ^2/NDF:518370.6/24

Right Out: 793.067+/-0.191 χ^2/NDF: 596923.7/20

Left In: 912.817+/-0.152 χ^2/NDF:480021.0/22

Left: 905.203+/-0.105 χ^2/NDF: 1003190.0/47

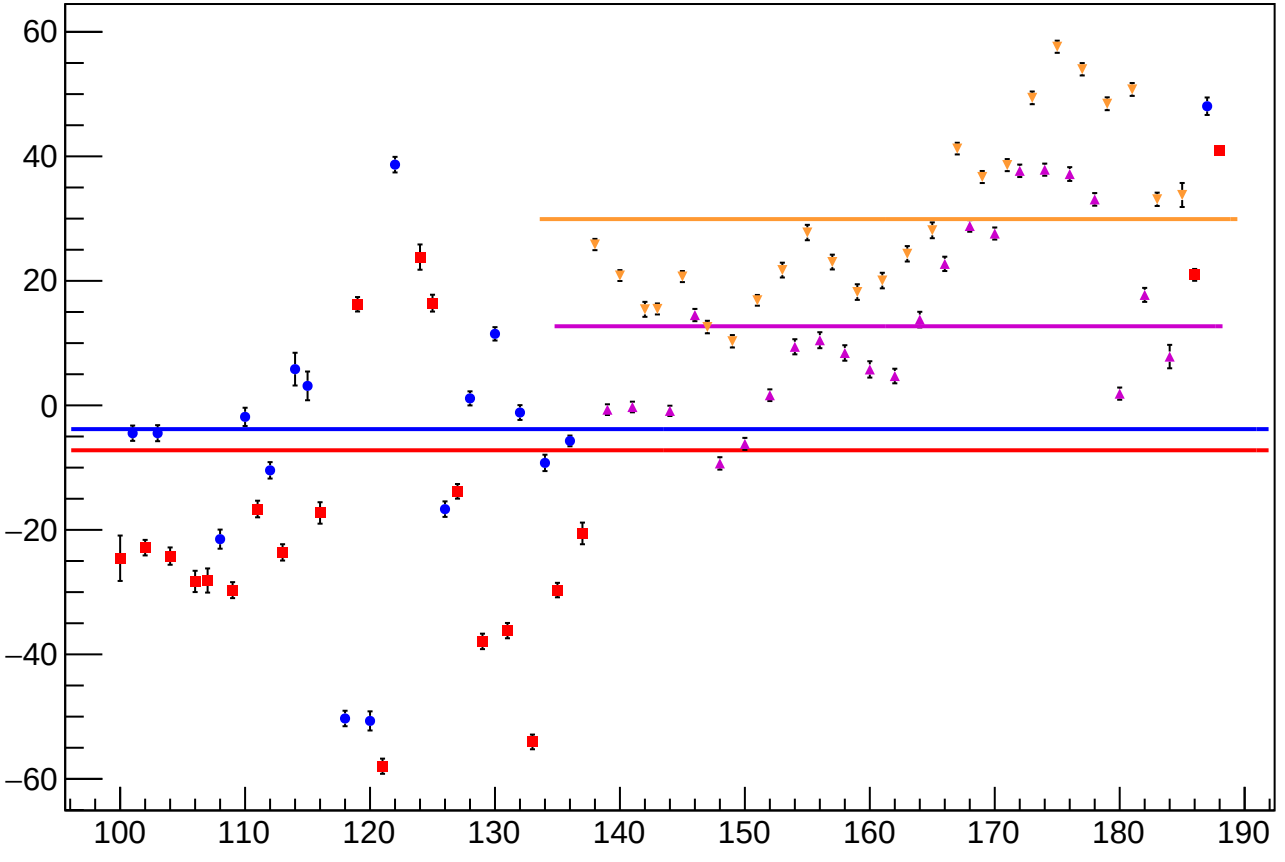
Right: 816.203+/-0.145 χ^2/NDF: 915024.0/37

In: 891.873+/-0.125 χ^2/NDF:823048.4/39

Out: 859.638+/-0.116 χ^2/NDF:1306636.4/45

All: 874.474+/-0.085 χ^2/NDF: 2165305.4/85

diff_bpm2i02Y_mean vs Slug, Sign Corrected



Right In: -3.816+/-0.313 χ^2/NDF: 5381.5/16

Left Out: 29.922+/-0.209 χ^2/NDF:4580.4/24

Right Out: -7.215+/-0.270 χ^2/NDF: 14072.1/20

Left In: 12.708+/-0.217 χ^2/NDF:4791.2/22

Left: 21.661+/-0.150 χ^2/NDF: 12640.8/47

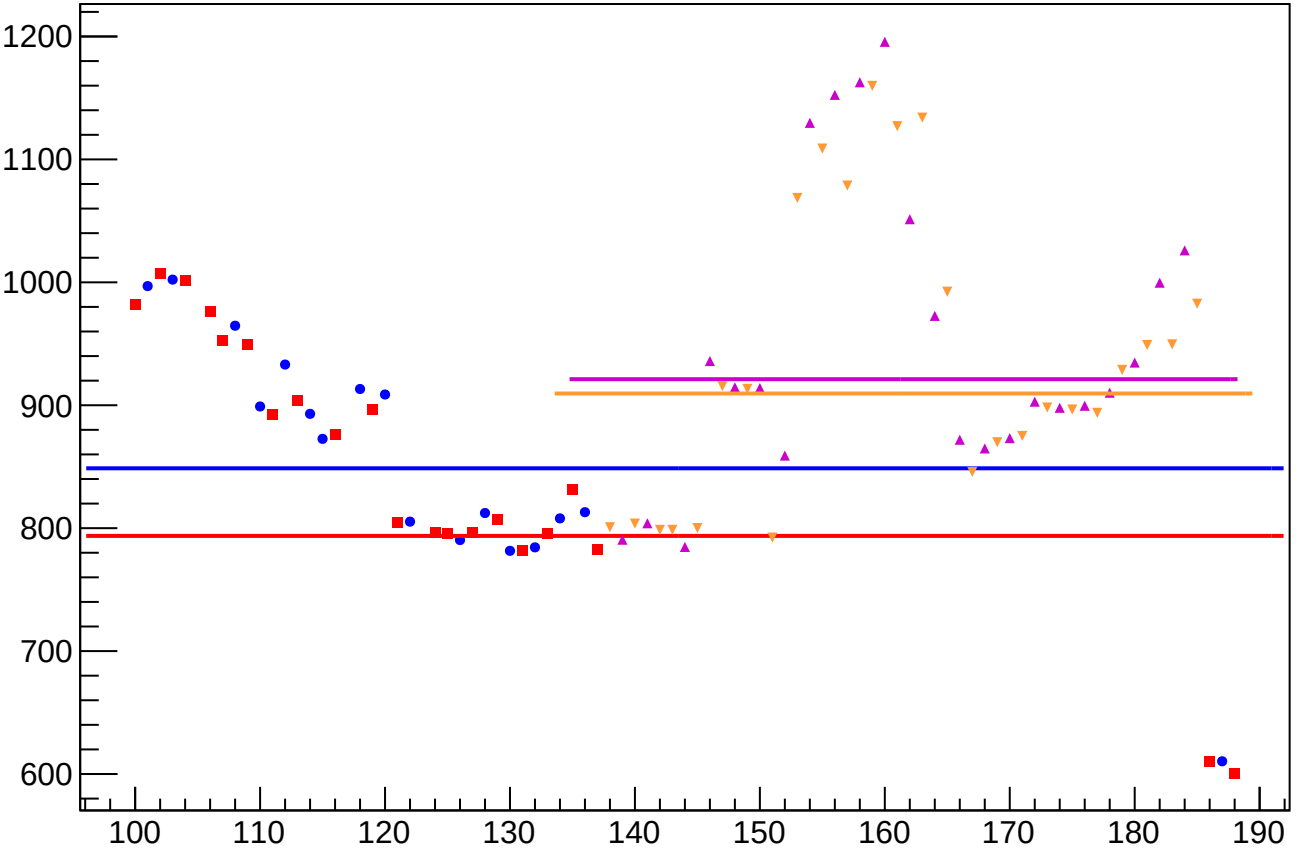
Right: -5.766+/-0.204 χ^2/NDF: 19521.3/37

In: 7.342+/-0.178 χ^2/NDF:12053.3/39

Out: 16.039+/-0.165 χ^2/NDF:30505.9/45

All: 12.029+/-0.121 χ^2/NDF: 43839.5/85

diff_bpm2i02Y_rms vs Slug, Sign Corrected



Right In: 848.703+/-0.221 χ^2/NDF: 174150.6/16

Left Out: 909.552+/-0.147 χ^2/NDF:541710.0/24

Right Out: 793.712+/-0.191 χ^2/NDF: 495566.6/20

Left In: 921.198+/-0.154 χ^2/NDF:497337.0/22

Left: 915.140+/-0.106 χ^2/NDF: 1042039.9/47

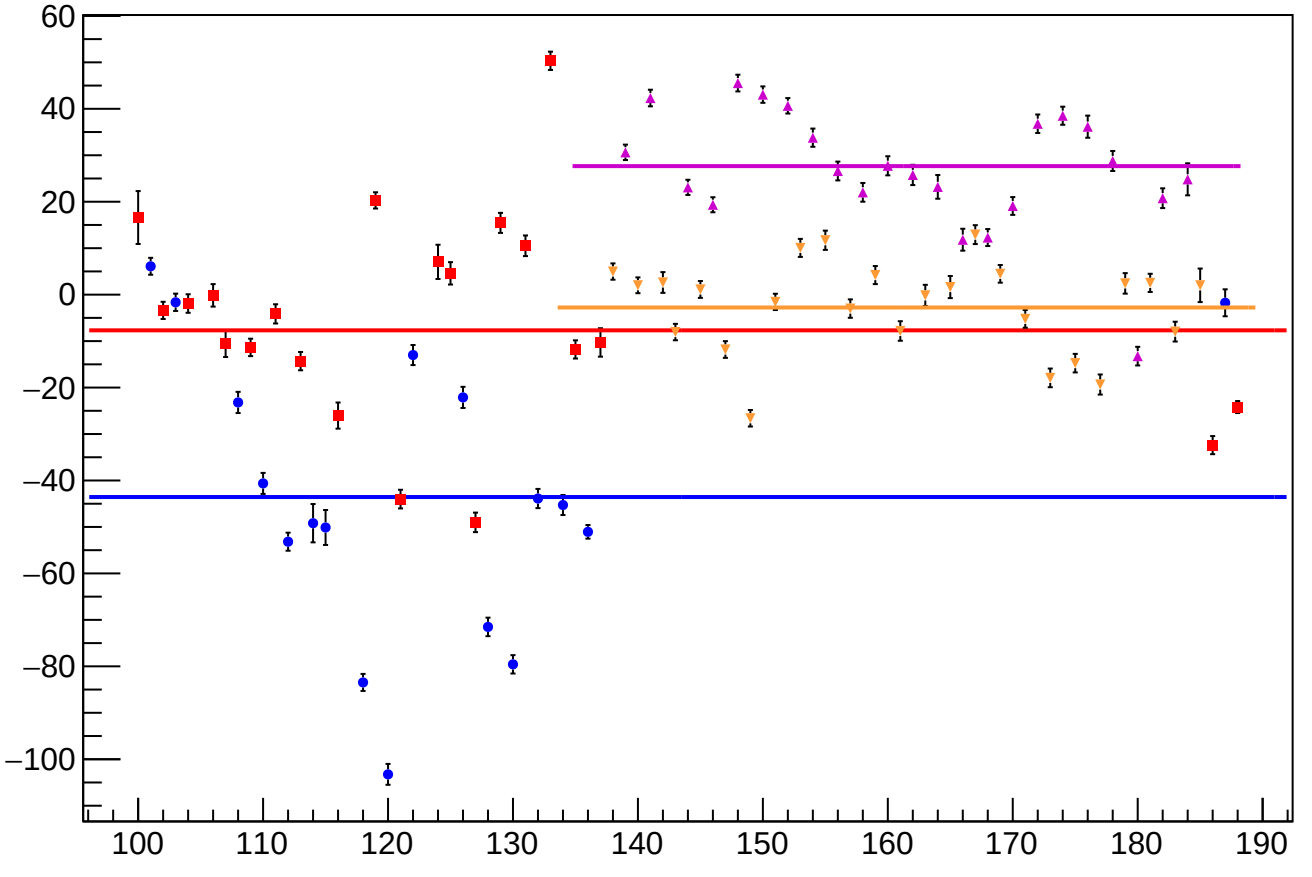
Right: 817.156+/-0.145 χ^2/NDF: 705108.0/37

In: 897.657+/-0.126 χ^2/NDF:743888.3/39

Out: 866.246+/-0.117 χ^2/NDF:1267941.1/45

All: 880.728+/-0.086 χ^2/NDF: 2045234.9/85

diff_bpm0i02X_mean vs Slug, Sign Corrected



Right In: -43.561+/-0.512 χ^2/NDF: 3592.1/16

Left Out: -2.767+/-0.397 χ^2/NDF:616.1/24

Right Out: -7.683+/-0.460 χ^2/NDF: 2497.5/20

Left In: 27.663+/-0.409 χ^2/NDF:989.9/22

Left: 12.021+/-0.285 χ^2/NDF: 4455.3/47

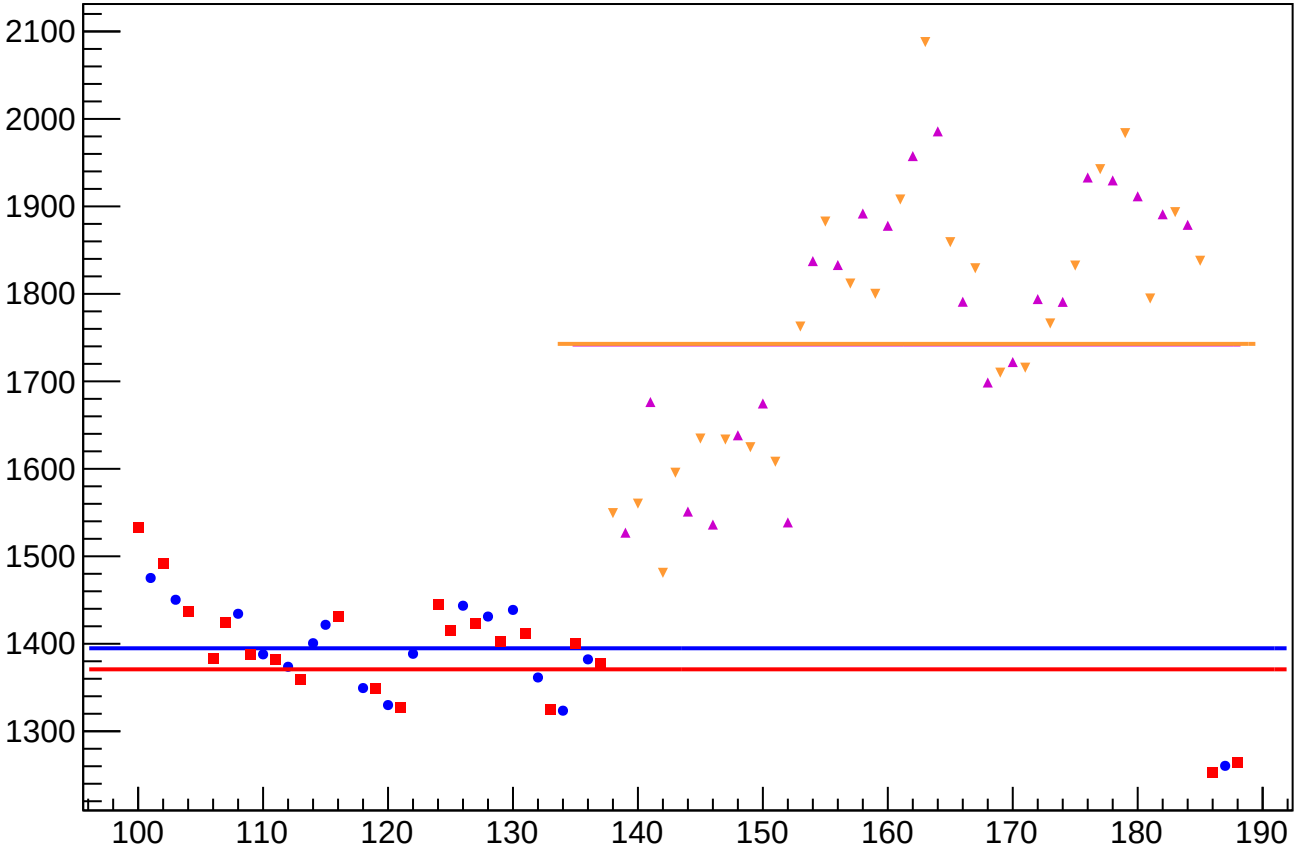
Right: -23.722+/-0.342 χ^2/NDF: 8807.7/37

In: -0.077+/-0.319 χ^2/NDF:16408.7/39

Out: -4.868+/-0.301 χ^2/NDF:3179.0/45

All: -2.616+/-0.219 χ^2/NDF: 19707.0/85

diff_bpm0i02X_rms vs Slug, Sign Corrected



Right In: 1394.853+/-0.362 χ^2/NDF: 19277.1/16

Left Out: 1742.842+/-0.281 χ^2/NDF:263118.4/24

Right Out: 1370.786+/-0.325 χ^2/NDF: 42079.1/20

Left In: 1742.153+/-0.289 χ^2/NDF:261606.6/22

Left: 1742.507+/-0.201 χ^2/NDF: 524727.9/47

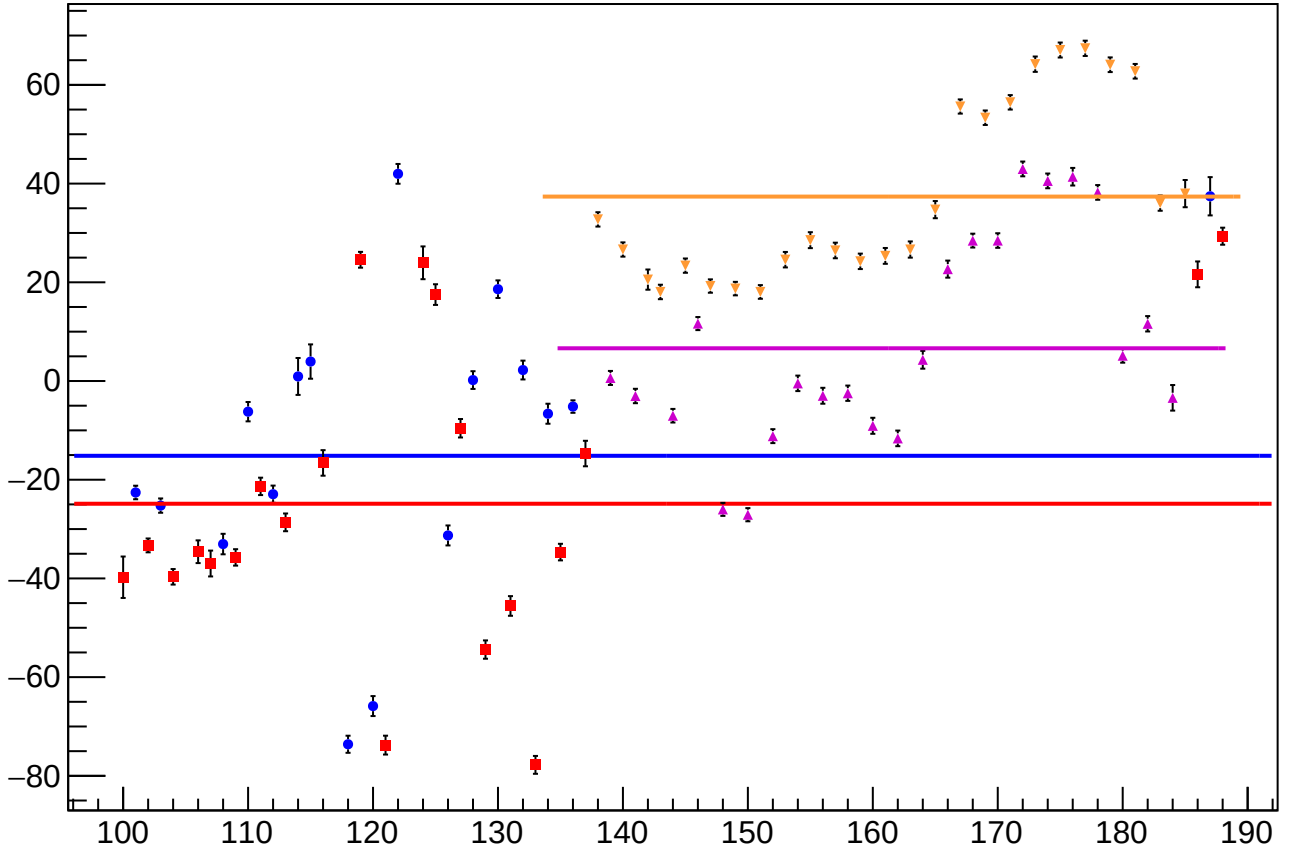
Right: 1381.544+/-0.242 χ^2/NDF: 63802.3/37

In: 1606.890+/-0.226 χ^2/NDF:843289.5/39

Out: 1583.873+/-0.213 χ^2/NDF:1054182.5/45

All: 1594.692+/-0.155 χ^2/NDF: 1902977.8/85

diff_bpm0i02Y_mean vs Slug, Sign Corrected



Right In: -15.153+/-0.452 χ^2/NDF: 3664.2/16

Left Out: 37.369+/-0.308 χ^2/NDF:3395.8/24

Right Out: -24.866+/-0.425 χ^2/NDF: 5106.6/20

Left In: 6.631+/-0.316 χ^2/NDF:4410.3/22

Left: 22.404+/-0.221 χ^2/NDF: 12659.0/47

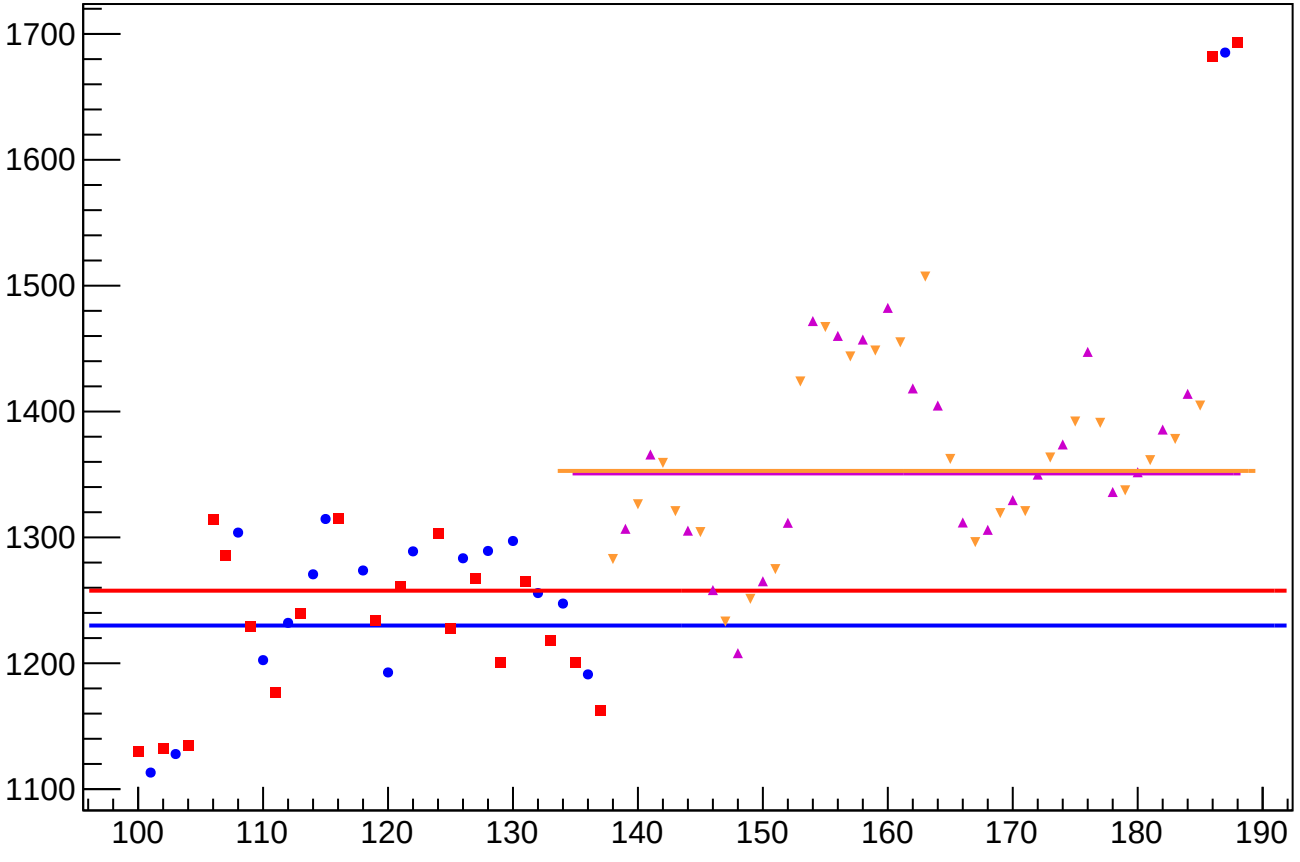
Right: -20.314+/-0.310 χ^2/NDF: 9016.0/37

In: -0.520+/-0.259 χ^2/NDF:9633.9/39

Out: 15.925+/-0.249 χ^2/NDF:22582.6/45

All: 8.020+/-0.180 χ^2/NDF: 34309.2/85

diff_bpm0i02Y_rms vs Slug, Sign Corrected



Right In: 1229.976+/-0.320 χ^2/NDF: 68824.6/16

Left Out: 1352.820+/-0.218 χ^2/NDF:104845.3/24

Right Out: 1257.668+/-0.300 χ^2/NDF: 226694.9/20

Left In: 1350.830+/-0.223 χ^2/NDF:108618.5/22

Left: 1351.851+/-0.156 χ^2/NDF: 213504.5/47

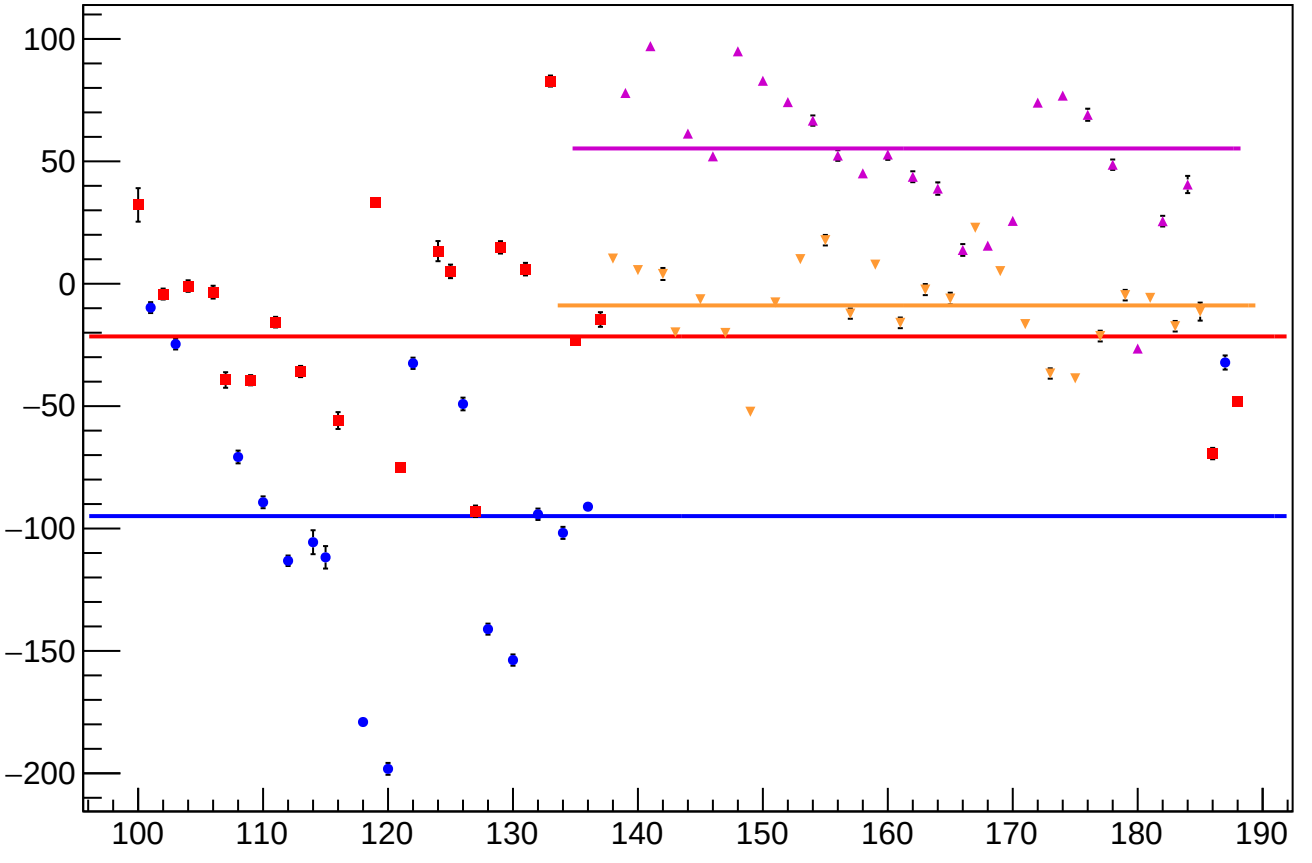
Right: 1244.690+/-0.219 χ^2/NDF: 299505.9/37

In: 1311.156+/-0.183 χ^2/NDF:273428.7/39

Out: 1320.035+/-0.176 χ^2/NDF:397367.4/45

All: 1315.767+/-0.127 χ^2/NDF: 672016.0/85

diff_bpm0i02aX_mean vs Slug, Sign Corrected



Right In: -94.923+/-0.568 χ^2/NDF: 8792.5/16

Left Out: -8.859+/-0.407 χ^2/NDF:1953.2/24

Right Out: -21.524+/-0.508 χ^2/NDF: 6367.6/20

Left In: 55.266+/-0.420 χ^2/NDF:4736.1/22

Left: 22.173+/-0.293 χ^2/NDF: 18692.1/47

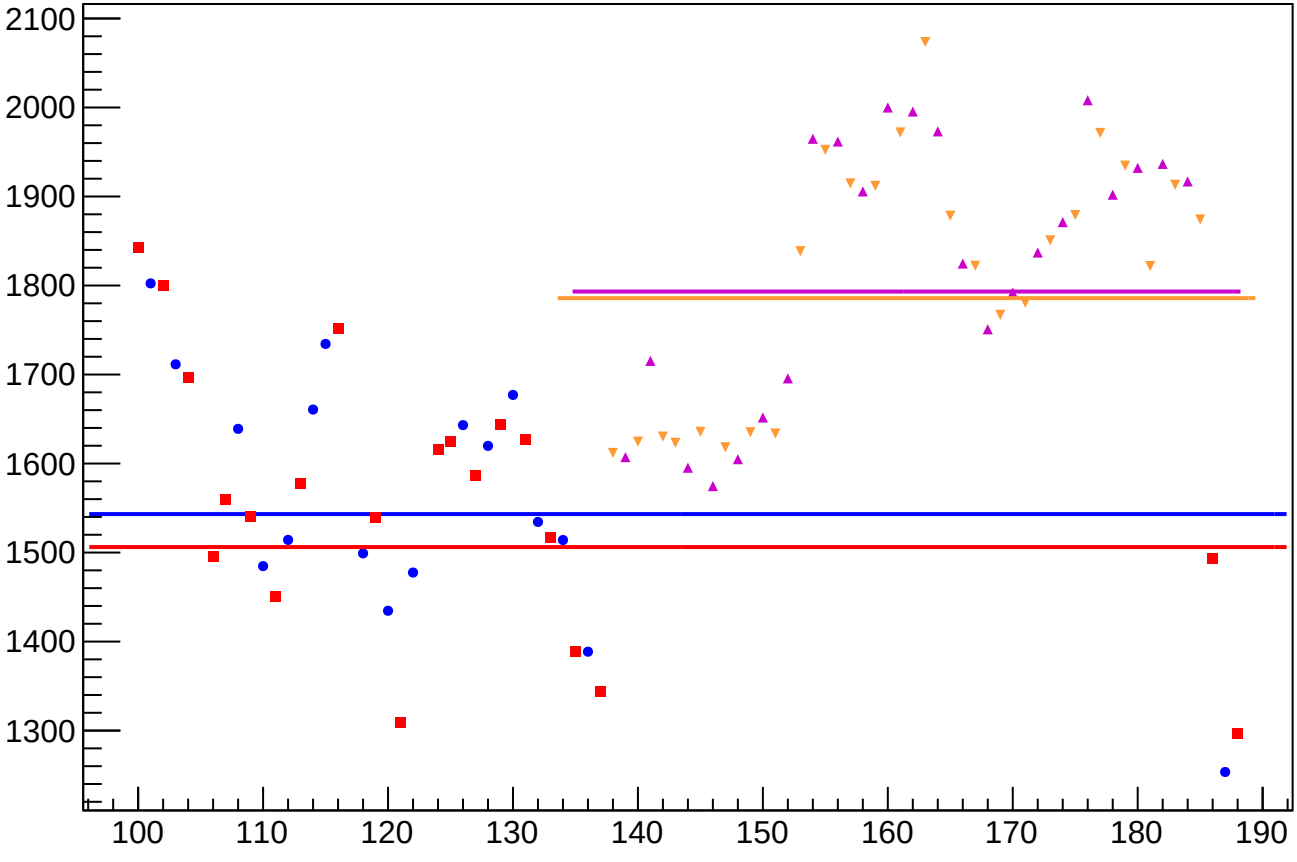
Right: -54.106+/-0.378 χ^2/NDF: 24444.0/37

In: 2.106+/-0.338 χ^2/NDF:58686.7/39

Out: -13.819+/-0.318 χ^2/NDF:8699.6/45

All: -6.351+/-0.231 χ^2/NDF: 68565.4/85

diff_bpm0i02aX_rms vs Slug, Sign Corrected



Right In: 1543.216+/-0.402 χ^2/NDF: 108915.7/16

Left Out: 1785.836+/-0.288 χ^2/NDF:237239.4/24

Right Out: 1506.188+/-0.359 χ^2/NDF: 168521.9/20

Left In: 1793.249+/-0.297 χ^2/NDF:252788.2/22

Left: 1789.423+/-0.207 χ^2/NDF: 490348.4/47

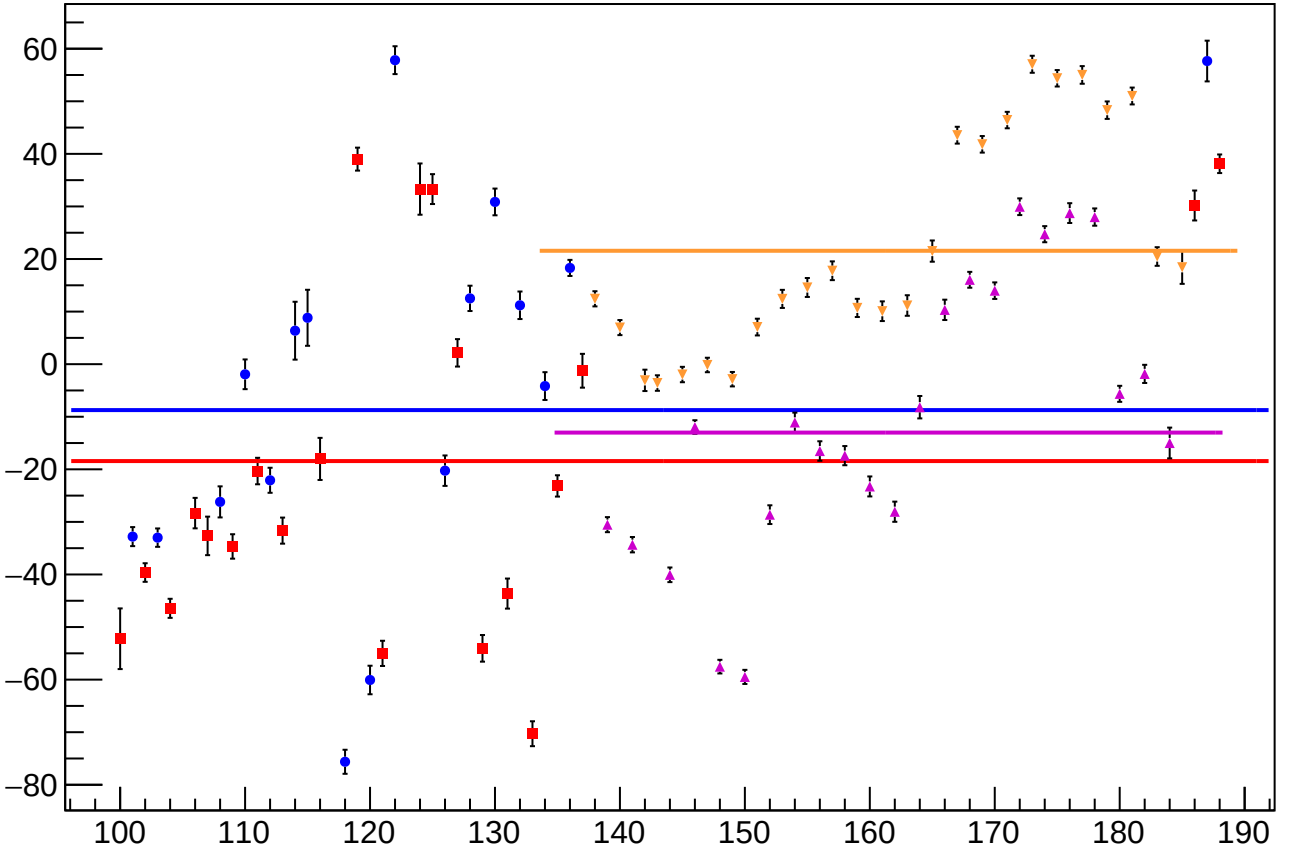
Right: 1522.624+/-0.268 χ^2/NDF: 282162.9/37

In: 1704.749+/-0.239 χ^2/NDF:612016.4/39

Out: 1676.329+/-0.225 χ^2/NDF:775177.5/45

All: 1689.657+/-0.164 χ^2/NDF: 1394704.3/85

diff_bpm0i02aY_mean vs Slug, Sign Corrected



Right In: -8.735+/-0.596 χ^2/NDF: 3307.9/16

Left Out: 21.567+/-0.330 χ^2/NDF:4160.8/24

Right Out: -18.431+/-0.546 χ^2/NDF: 4054.0/20

Left In: -13.014+/-0.340 χ^2/NDF:6627.2/22

Left: 4.798+/-0.237 χ^2/NDF: 16115.3/47

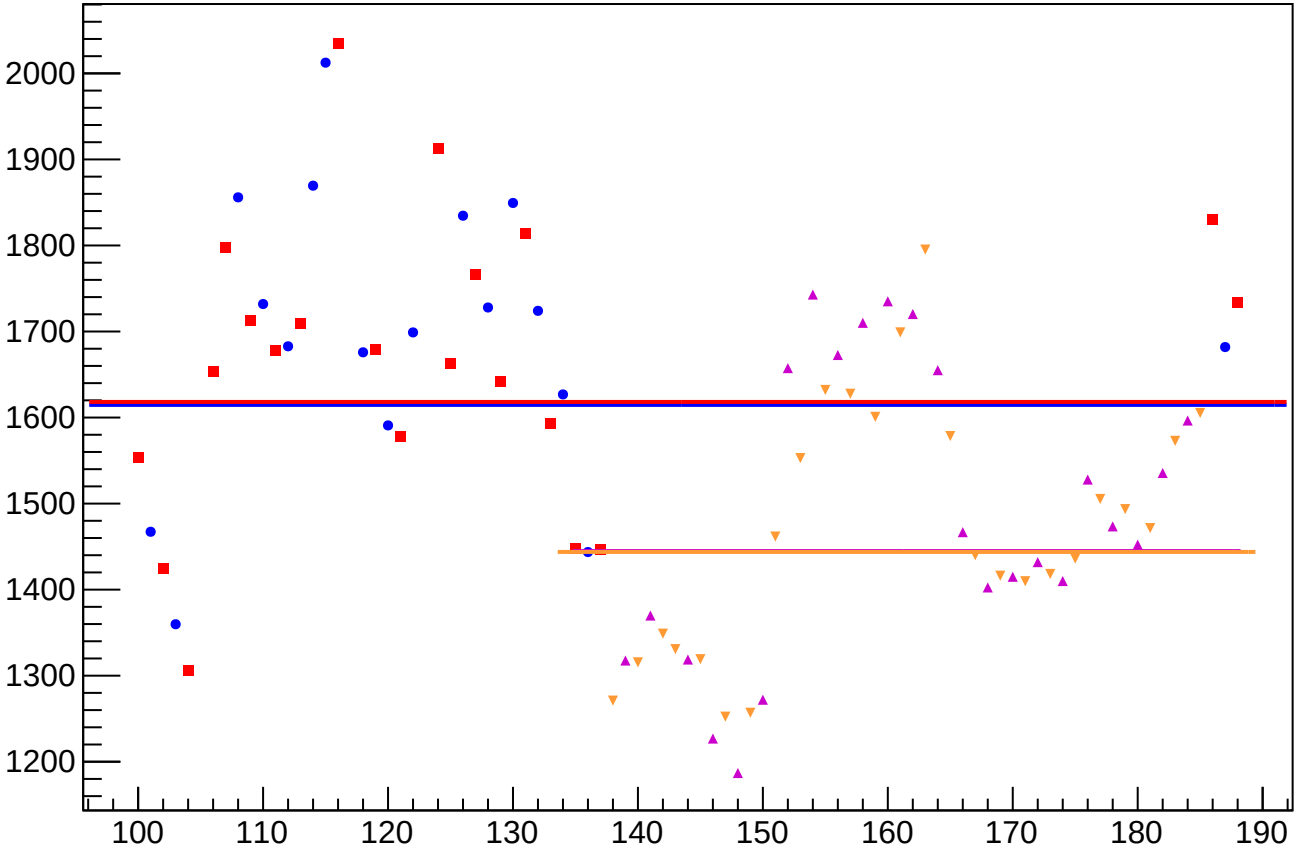
Right: -14.004+/-0.403 χ^2/NDF: 7505.8/37

In: -11.963+/-0.295 χ^2/NDF:9974.1/39

Out: 10.875+/-0.282 χ^2/NDF:12143.5/45

All: -0.033+/-0.204 χ^2/NDF: 25241.2/85

diff_bpm0i02aY_rms vs Slug, Sign Corrected



Right In: 1614.724+/-0.421 χ^2/NDF: 155327.5/16

Left Out: 1443.826+/-0.233 χ^2/NDF:352397.9/24

Right Out: 1618.152+/-0.386 χ^2/NDF: 183118.1/20

Left In: 1444.817+/-0.240 χ^2/NDF:485230.7/22

Left: 1444.307+/-0.167 χ^2/NDF: 837637.3/47

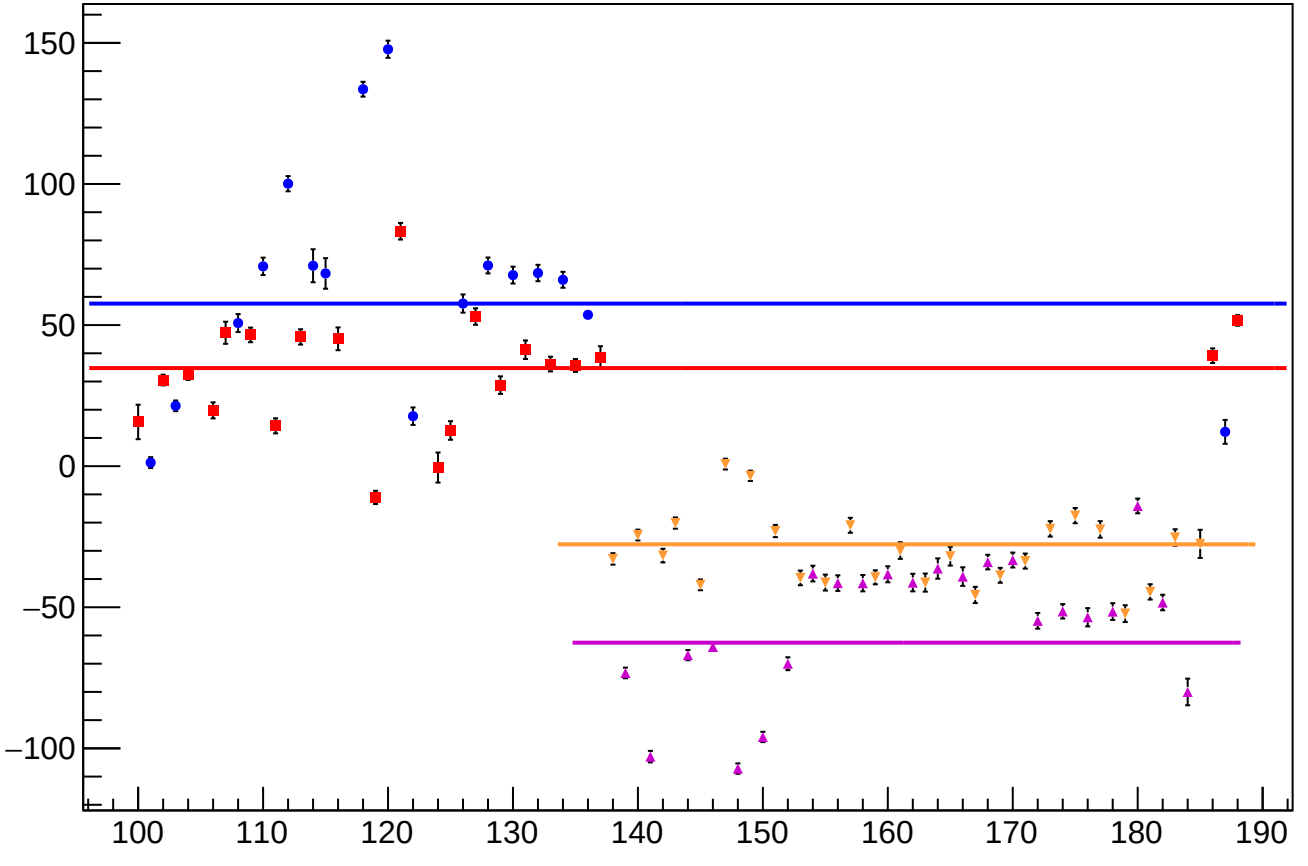
Right: 1616.587+/-0.285 χ^2/NDF: 338481.6/37

In: 1486.545+/-0.209 χ^2/NDF:763197.8/39

Out: 1490.423+/-0.200 χ^2/NDF:684774.5/45

All: 1488.571+/-0.144 χ^2/NDF: 1448152.4/85

diff_bpm0i05X_mean vs Slug, Sign Corrected



Right In: 57.615+/-0.664 χ^2/NDF: 3561.5/16

Left Out: -27.692+/-0.496 χ^2/NDF:766.1/24

Right Out: 34.762+/-0.596 χ^2/NDF: 1027.4/20

Left In: -62.558+/-0.512 χ^2/NDF:2458.2/22

Left: -44.581+/-0.356 χ^2/NDF: 5617.4/47

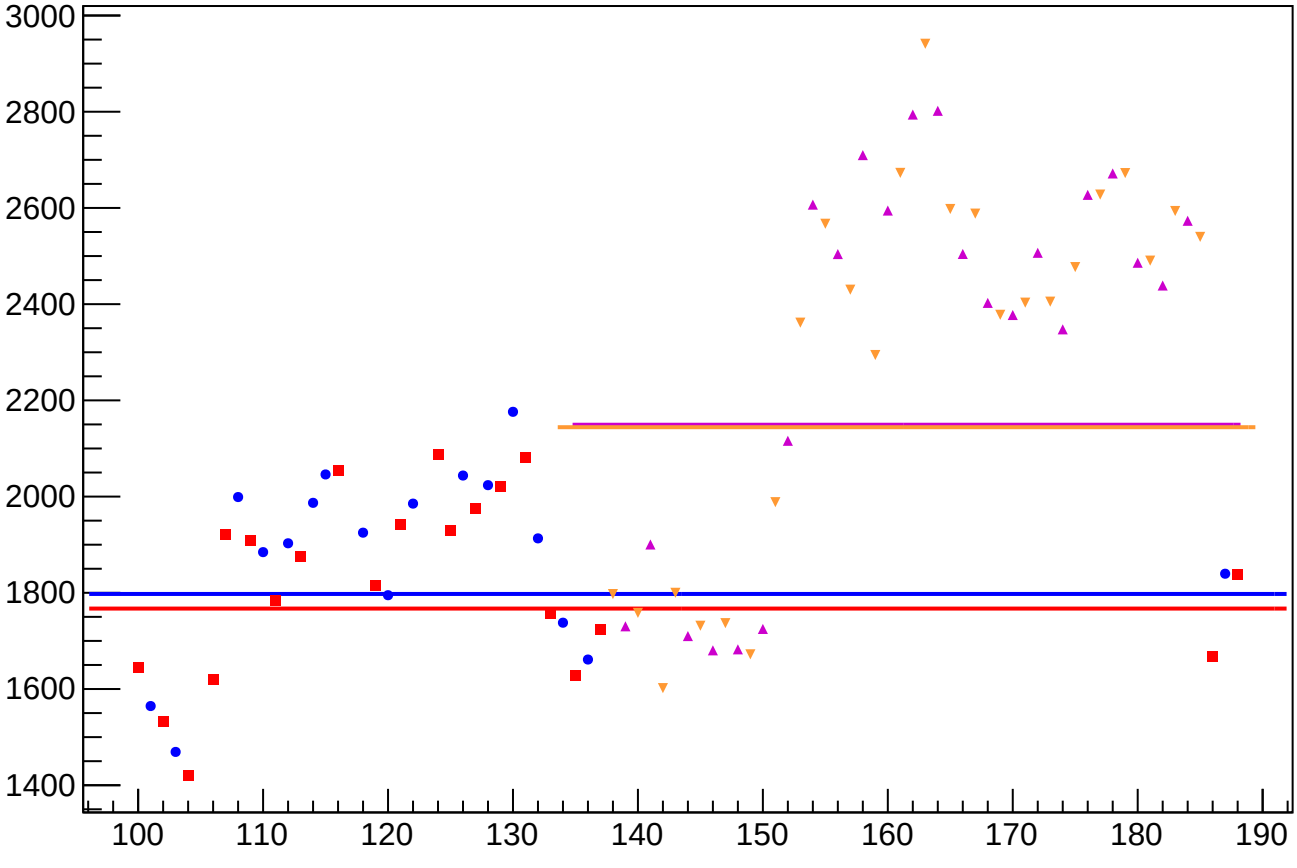
Right: 44.964+/-0.444 χ^2/NDF: 5244.4/37

In: -17.787+/-0.405 χ^2/NDF:26563.5/39

Out: -2.156+/-0.381 χ^2/NDF:8275.4/45

All: -9.495+/-0.278 χ^2/NDF: 35627.7/85

diff_bpm0i05X_rms vs Slug, Sign Corrected



Right In: 1797.615+/-0.470 χ^2/NDF: 193374.1/16

Left Out: 2144.219+/-0.351 χ^2/NDF:1279852.9/24

Right Out: 1767.228+/-0.422 χ^2/NDF: 195782.9/20

Left In: 2149.354+/-0.362 χ^2/NDF:1265722.5/22

Left: 2146.707+/-0.252 χ^2/NDF: 2545679.2/47

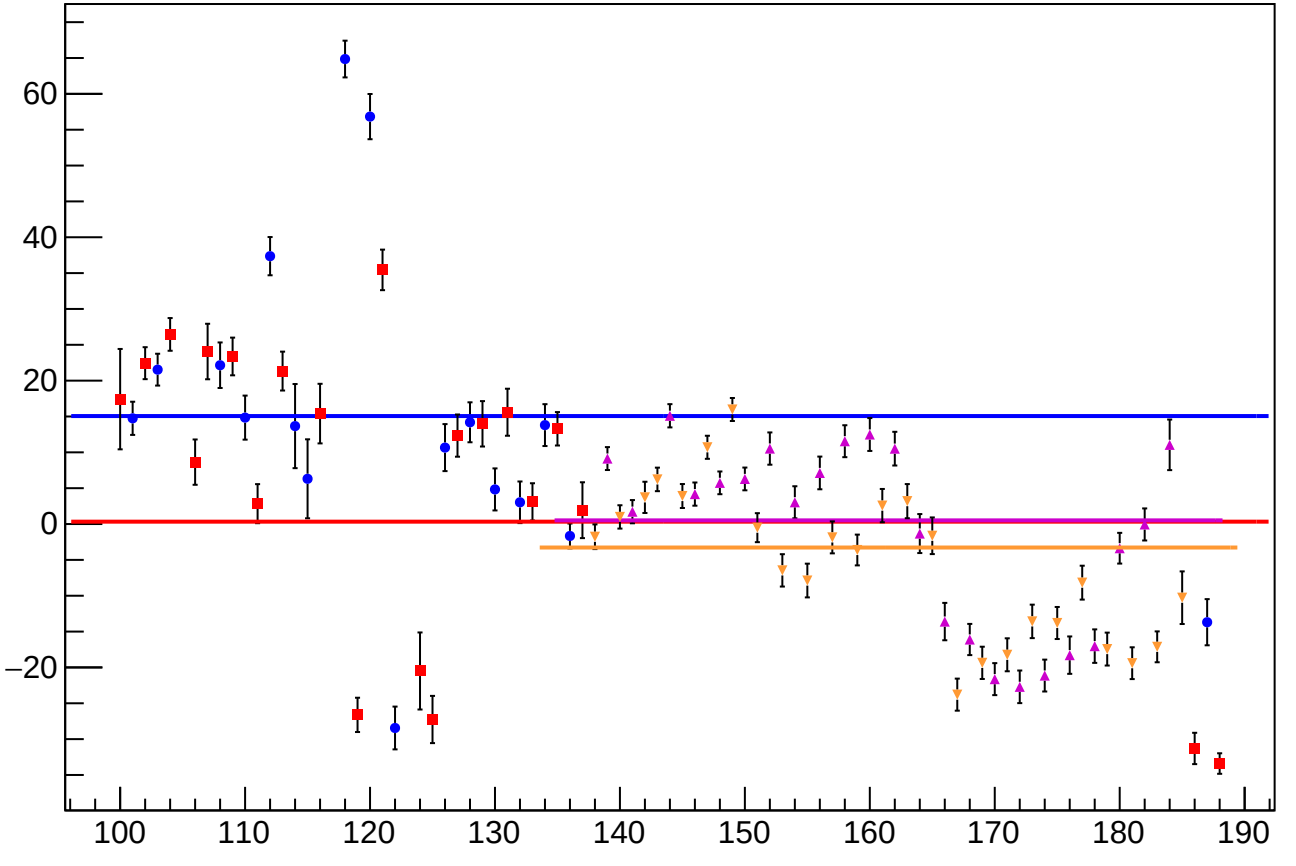
Right: 1780.794+/-0.314 χ^2/NDF: 391474.7/37

In: 2018.313+/-0.287 χ^2/NDF:1811098.1/39

Out: 1990.077+/-0.270 χ^2/NDF:1947993.6/45

All: 2003.335+/-0.196 χ^2/NDF: 3764239.4/85

diff_bpm0i05Y_mean vs Slug, Sign Corrected



Right In: 15.061+/-0.679 χ^2/NDF: 1056.4/16

Left Out: -3.275+/-0.415 χ^2/NDF:671.1/24

Right Out: 0.332+/-0.589 χ^2/NDF: 1651.5/20

Left In: 0.511+/-0.430 χ^2/NDF:745.8/22

Left: -1.450+/-0.298 χ^2/NDF: 1457.1/47

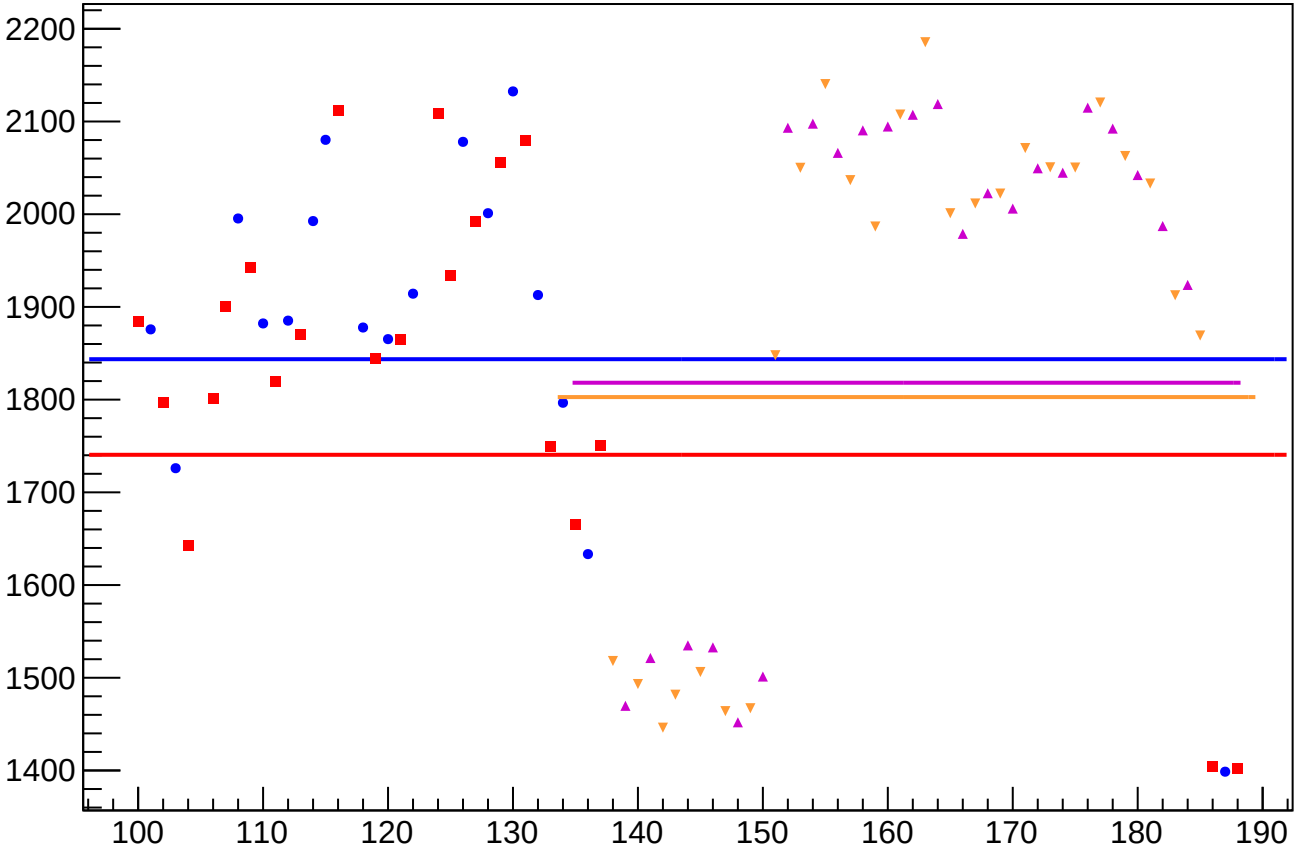
Right: 6.650+/-0.445 χ^2/NDF: 2976.4/37

In: 4.670+/-0.363 χ^2/NDF:2129.8/39

Out: -2.079+/-0.339 χ^2/NDF:2347.7/45

All: 1.063+/-0.248 χ^2/NDF: 4662.1/85

diff_bpm0i05Y_rms vs Slug, Sign Corrected



Right In: 1843.612+/-0.480 χ^2/NDF: 123269.9/16

Left Out: 1802.748+/-0.293 χ^2/NDF:897375.1/24

Right Out: 1740.498+/-0.416 χ^2/NDF: 284935.7/20

Left In: 1818.225+/-0.304 χ^2/NDF:840353.0/22

Left: 1810.209+/-0.211 χ^2/NDF: 1739071.4/47

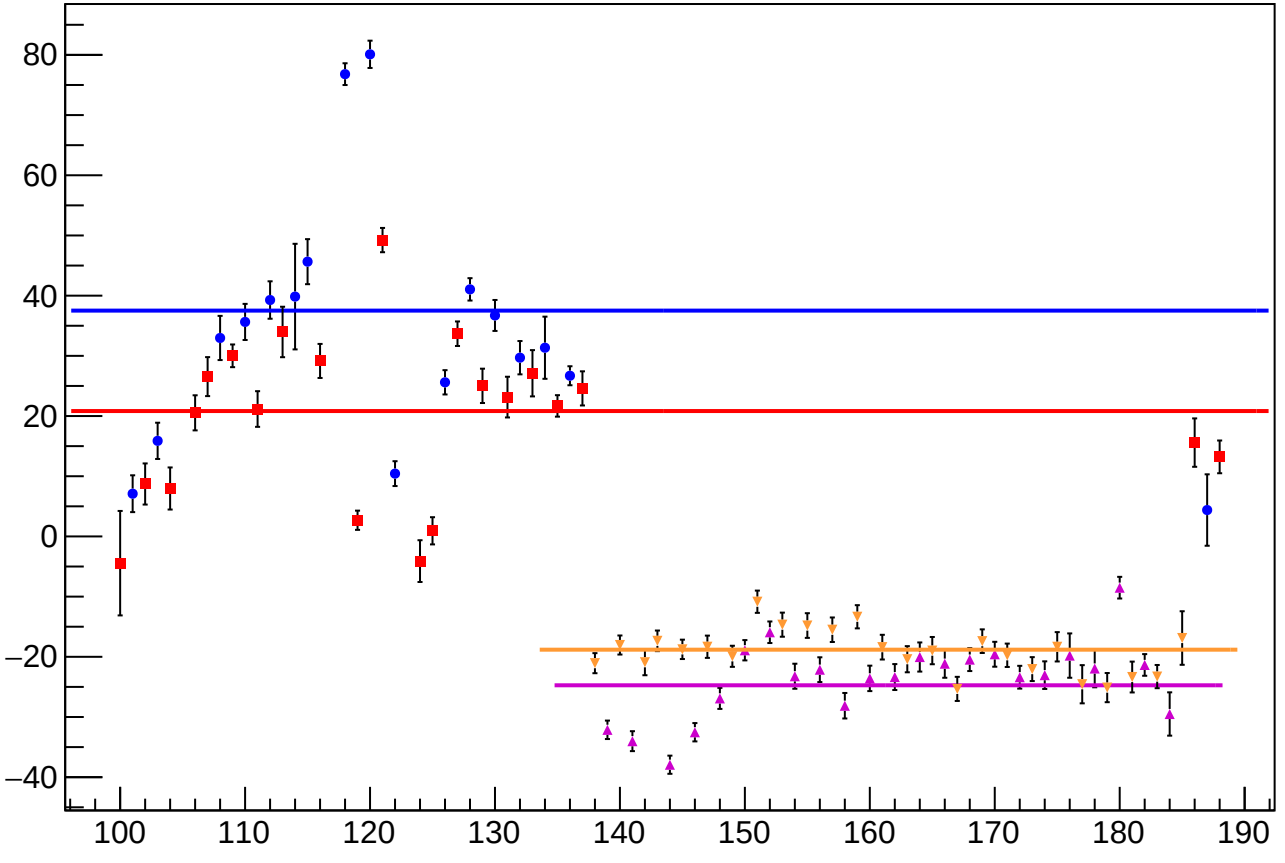
Right: 1784.729+/-0.315 χ^2/NDF: 434518.6/37

In: 1825.482+/-0.257 χ^2/NDF:965617.5/39

Out: 1782.111+/-0.240 χ^2/NDF:1197255.6/45

All: 1802.304+/-0.175 χ^2/NDF: 2178114.2/85

diff_bpm0i07X_mean vs Slug, Sign Corrected



Right In: 37.516+/-0.619 χ^2/NDF: 1281.3/16

Left Out: -18.816+/-0.402 χ^2/NDF:74.9/24

Right Out: 20.830+/-0.573 χ^2/NDF: 592.8/20

Left In: -24.731+/-0.409 χ^2/NDF:308.0/22

Left: -21.723+/-0.287 χ^2/NDF: 489.4/47

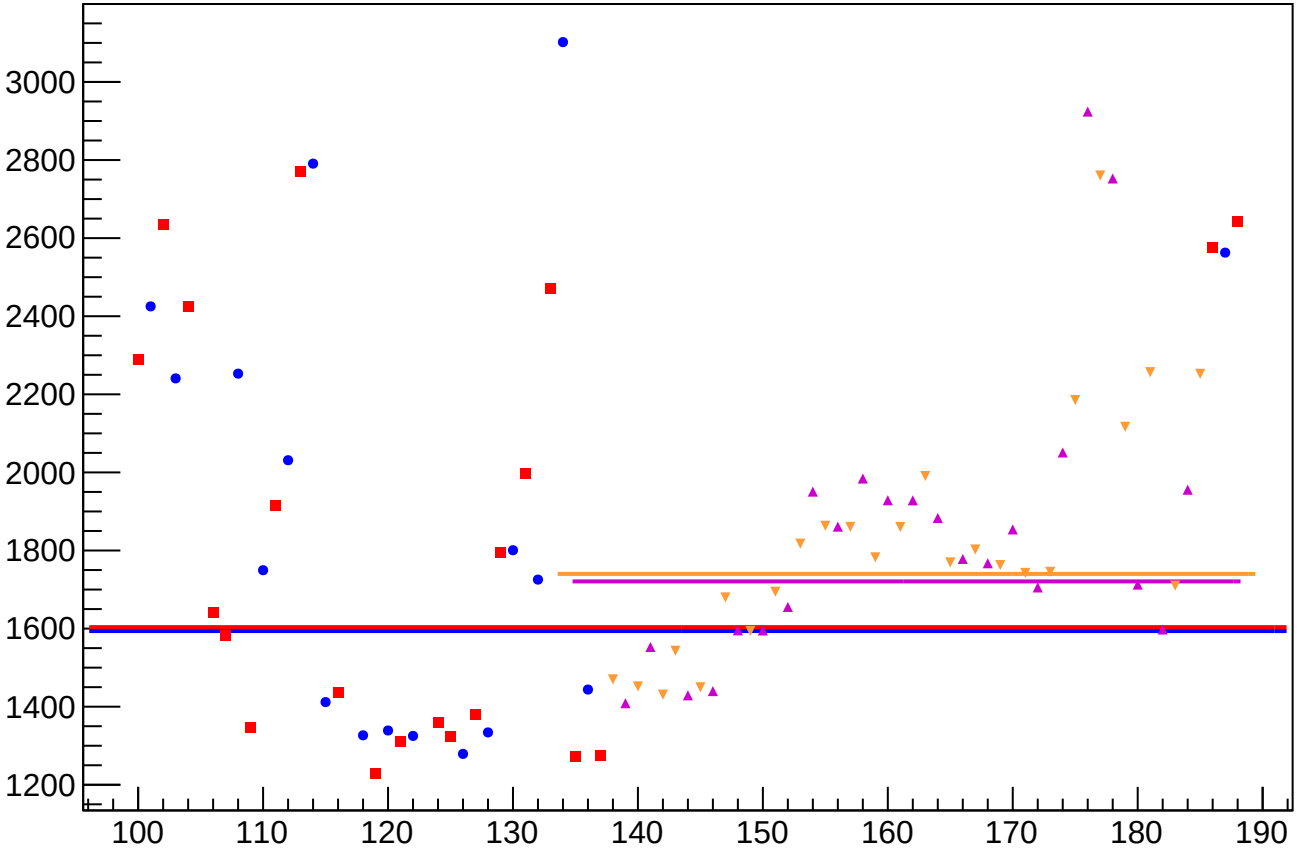
Right: 28.536+/-0.421 χ^2/NDF: 2265.2/37

In: -5.827+/-0.341 χ^2/NDF:8631.5/39

Out: -5.754+/-0.329 χ^2/NDF:3873.2/45

All: -5.789+/-0.237 χ^2/NDF: 12504.7/85

diff_bpm0i07X_rms vs Slug, Sign Corrected



Right In: 1593.712+/-0.438 χ^2/NDF: 841617.3/16

Left Out: 1740.089+/-0.284 χ^2/NDF:753377.5/24

Right Out: 1603.749+/-0.405 χ^2/NDF: 1388202.7/20

Left In: 1720.864+/-0.289 χ^2/NDF:883990.4/22

Left: 1730.639+/-0.203 χ^2/NDF: 1639617.2/47

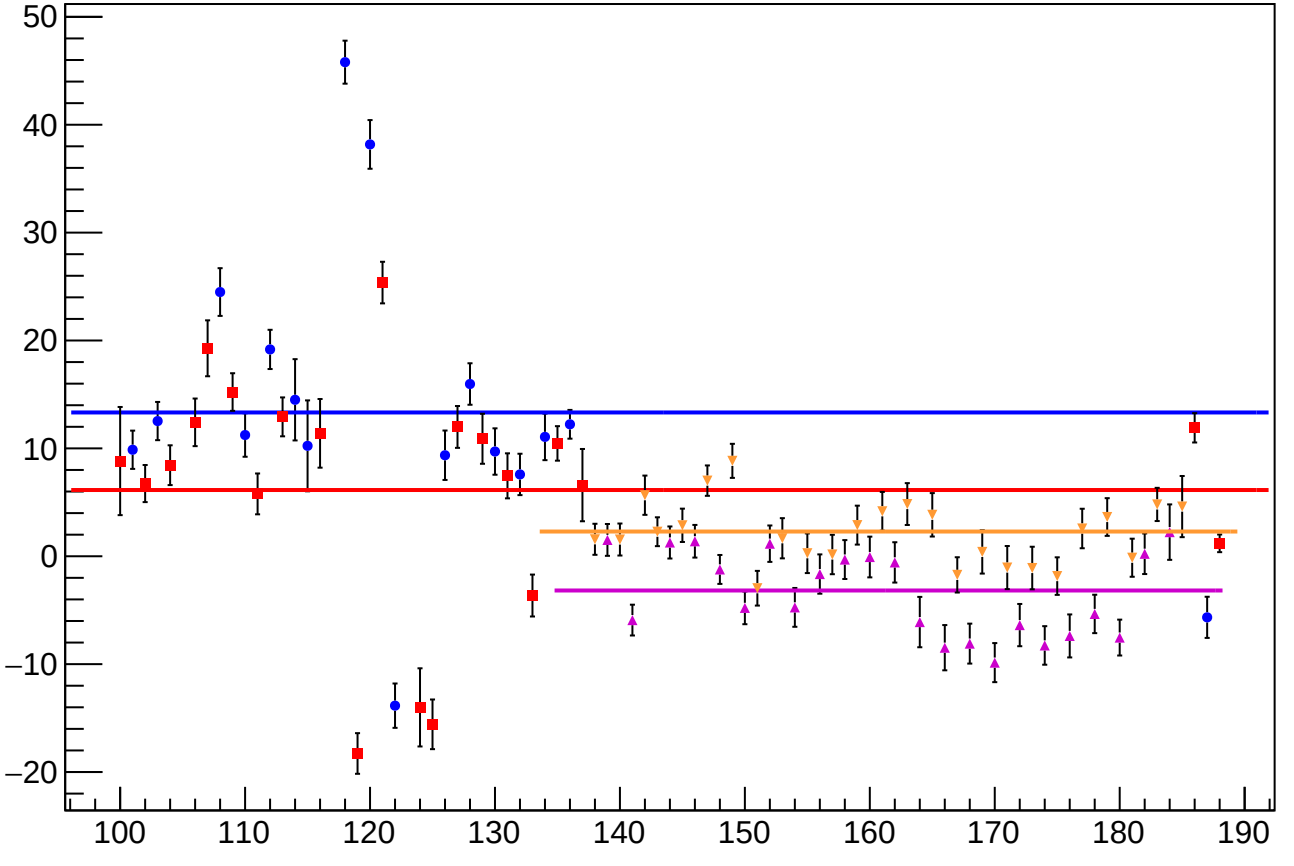
Right: 1599.113+/-0.297 χ^2/NDF: 2230102.9/37

In: 1682.249+/-0.241 χ^2/NDF:1784376.2/39

Out: 1695.171+/-0.233 χ^2/NDF:2217401.6/45

All: 1688.941+/-0.167 χ^2/NDF: 4003264.2/85

diff_bpm0i07Y_mean vs Slug, Sign Corrected



Right In: 13.329+/-0.488 χ^2/NDF: 720.9/16

Left Out: 2.293+/-0.343 χ^2/NDF:73.5/24

Right Out: 6.140+/-0.398 χ^2/NDF: 568.1/20

Left In: -3.173+/-0.362 χ^2/NDF:110.4/22

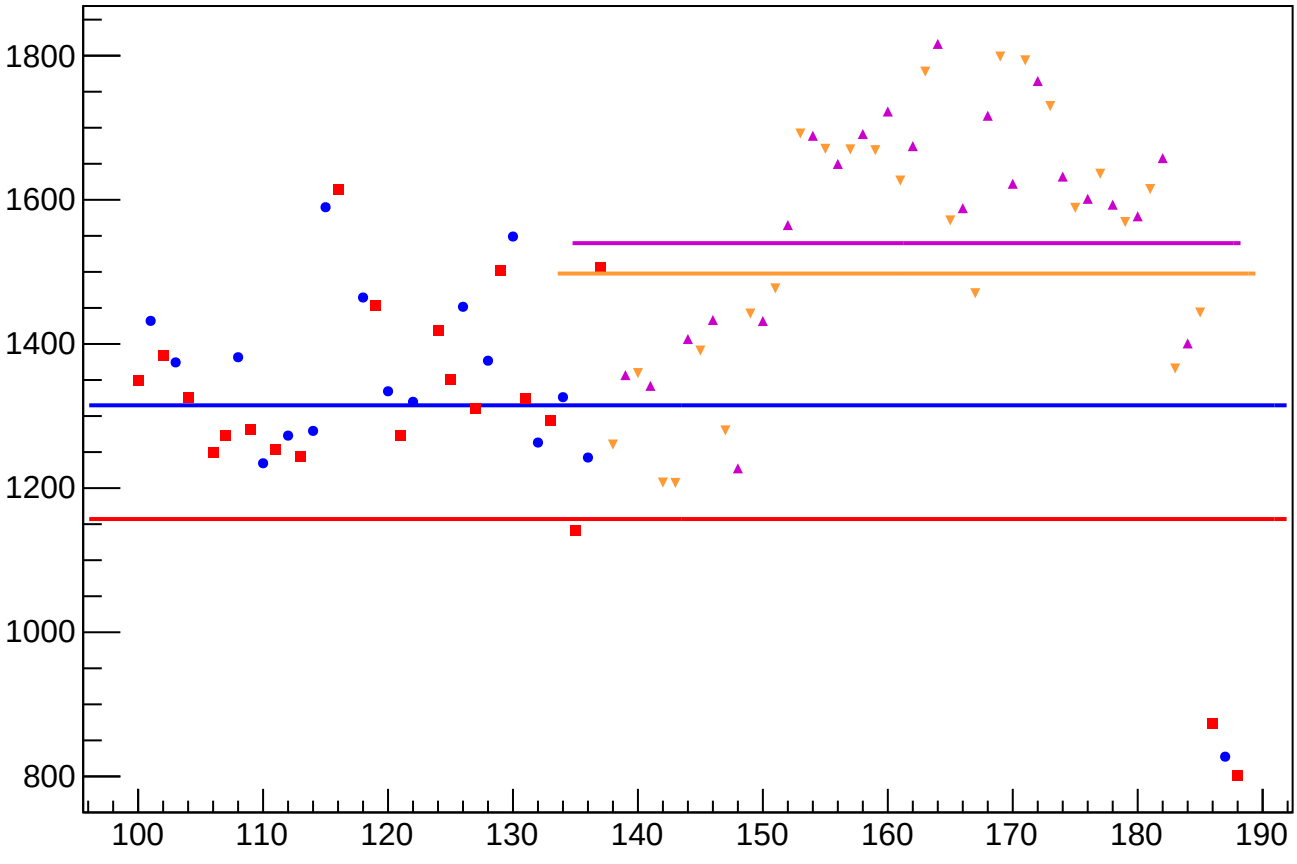
Left: -0.293+/-0.249 χ^2/NDF: 303.7/47

Right: 9.013+/-0.308 χ^2/NDF: 1419.4/37

In: 2.698+/-0.291 χ^2/NDF:1568.8/39

Out: 3.936+/-0.260 χ^2/NDF:695.2/45

All: 3.386+/-0.194 χ^2/NDF: 2274.0/85



Right In: 1314.891+/-0.345 χ^2/NDF: 208190.3/16

Left Out: 1497.713+/-0.243 χ^2/NDF:568629.4/24

Right Out: 1157.110+/-0.281 χ^2/NDF: 770819.6/20

Left In: 1539.884+/-0.256 χ^2/NDF:380330.7/22

Left: 1517.667+/-0.176 χ^2/NDF: 963225.2/47

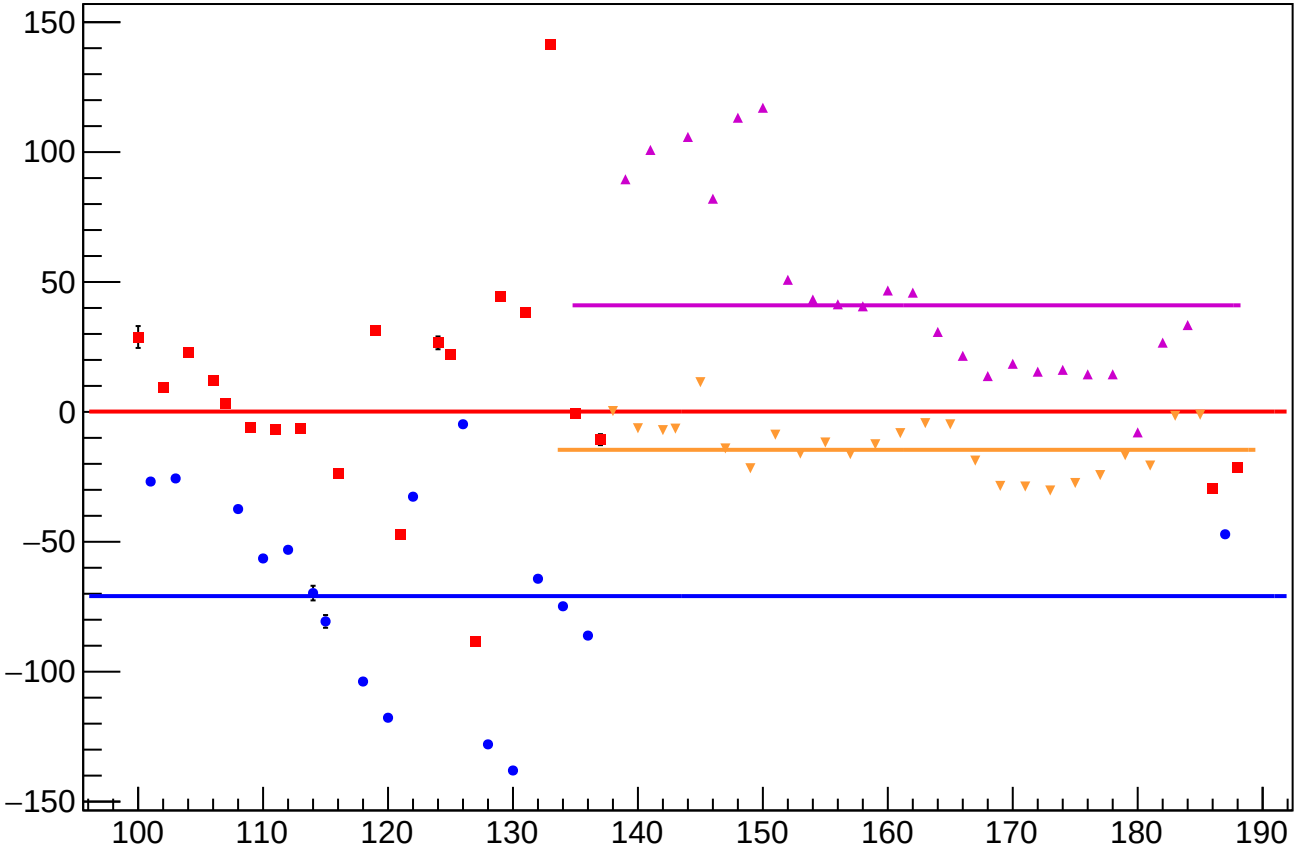
Right: 1220.154+/-0.218 χ^2/NDF: 1104688.7/37

In: 1459.839+/-0.206 χ^2/NDF:862721.4/39

Out: 1352.267+/-0.184 χ^2/NDF:2179288.2/45

All: 1400.035+/-0.137 χ^2/NDF: 3194046.5/85

diff_bpm1i02X_mean vs Slug, Sign Corrected



Right In: -70.903+/-0.340 χ^2/NDF: 12443.0/16

Left Out: -14.597+/-0.183 χ^2/NDF:3159.3/24

Right Out: 0.128+/-0.289 χ^2/NDF: 21978.1/20

Left In: 41.021+/-0.190 χ^2/NDF:31066.6/22

Left: 12.192+/-0.132 χ^2/NDF: 78745.1/47

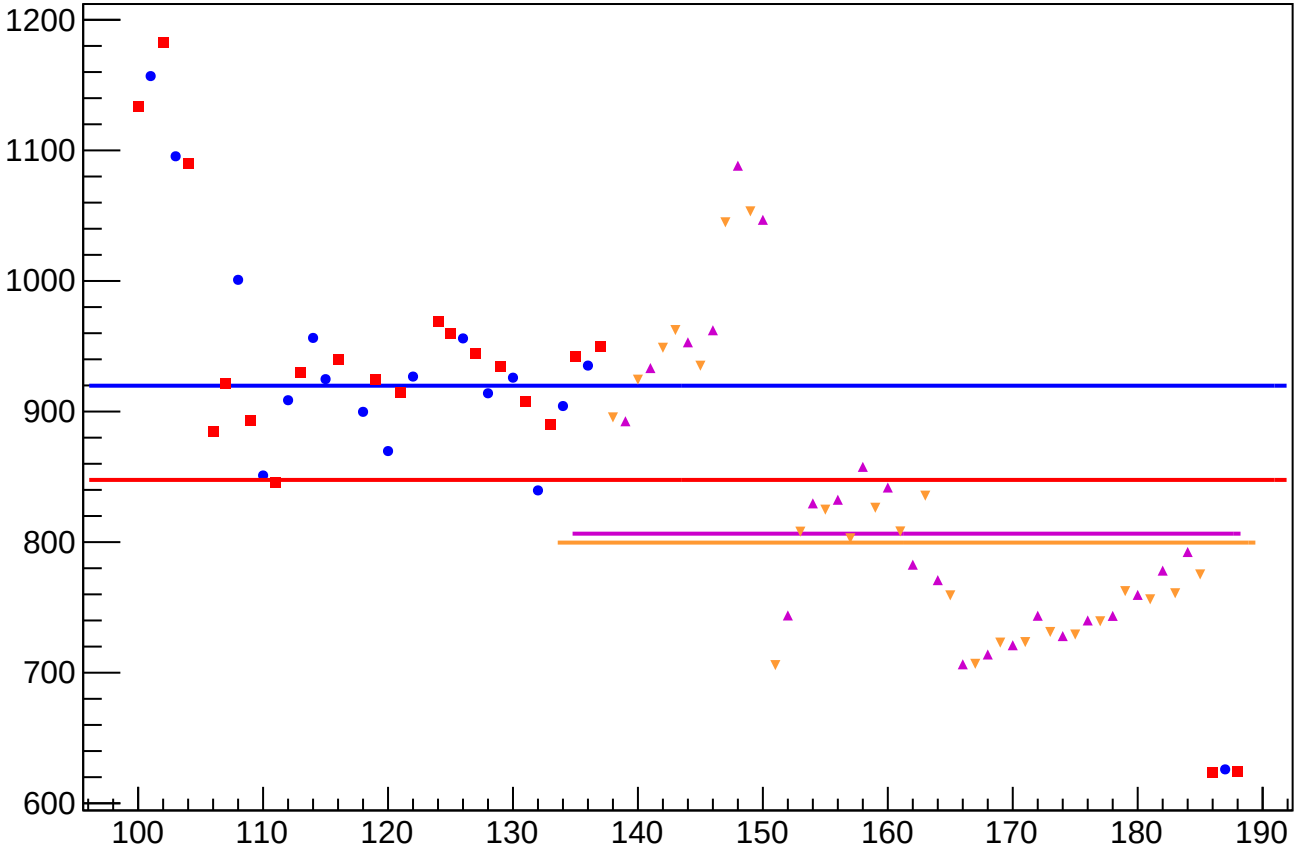
Right: -29.731+/-0.220 χ^2/NDF: 59778.9/37

In: 14.386+/-0.166 χ^2/NDF:126280.8/39

Out: -10.389+/-0.155 χ^2/NDF:26989.0/45

All: 1.144+/-0.113 χ^2/NDF: 165223.1/85

diff_bpm1i02X_rms vs Slug, Sign Corrected



Right In: 919.797+/-0.240 χ^2/NDF: 192816.0/16

Left Out: 799.639+/-0.129 χ^2/NDF:497430.7/24

Right Out: 847.641+/-0.204 χ^2/NDF: 601583.5/20

Left In: 806.478+/-0.134 χ^2/NDF:511294.8/22

Left: 802.933+/-0.093 χ^2/NDF: 1010071.7/47

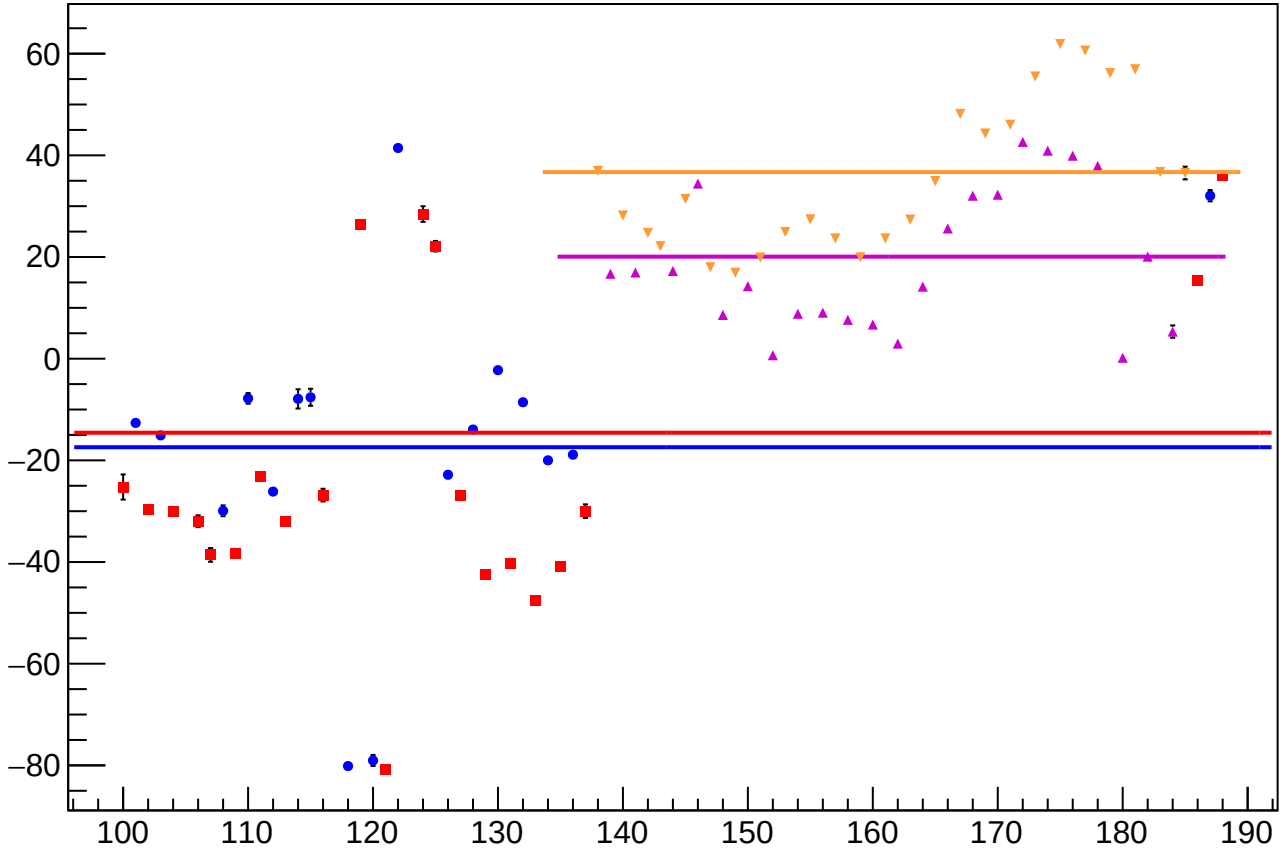
Right: 877.973+/-0.156 χ^2/NDF: 846733.1/37

In: 833.446+/-0.117 χ^2/NDF:873802.9/39

Out: 813.358+/-0.109 χ^2/NDF:1138365.8/45

All: 822.709+/-0.080 χ^2/NDF: 2027884.9/85

diff_bpm1i02Y_mean vs Slug, Sign Corrected



Right In: -17.416+/-0.229 χ^2/NDF: 15226.3/16

Left Out: 36.705+/-0.145 χ^2/NDF:10231.1/24

Right Out: -14.559+/-0.200 χ^2/NDF: 28929.2/20

Left In: 20.069+/-0.151 χ^2/NDF:8560.6/22

Left: 28.712+/-0.105 χ^2/NDF: 25078.0/47

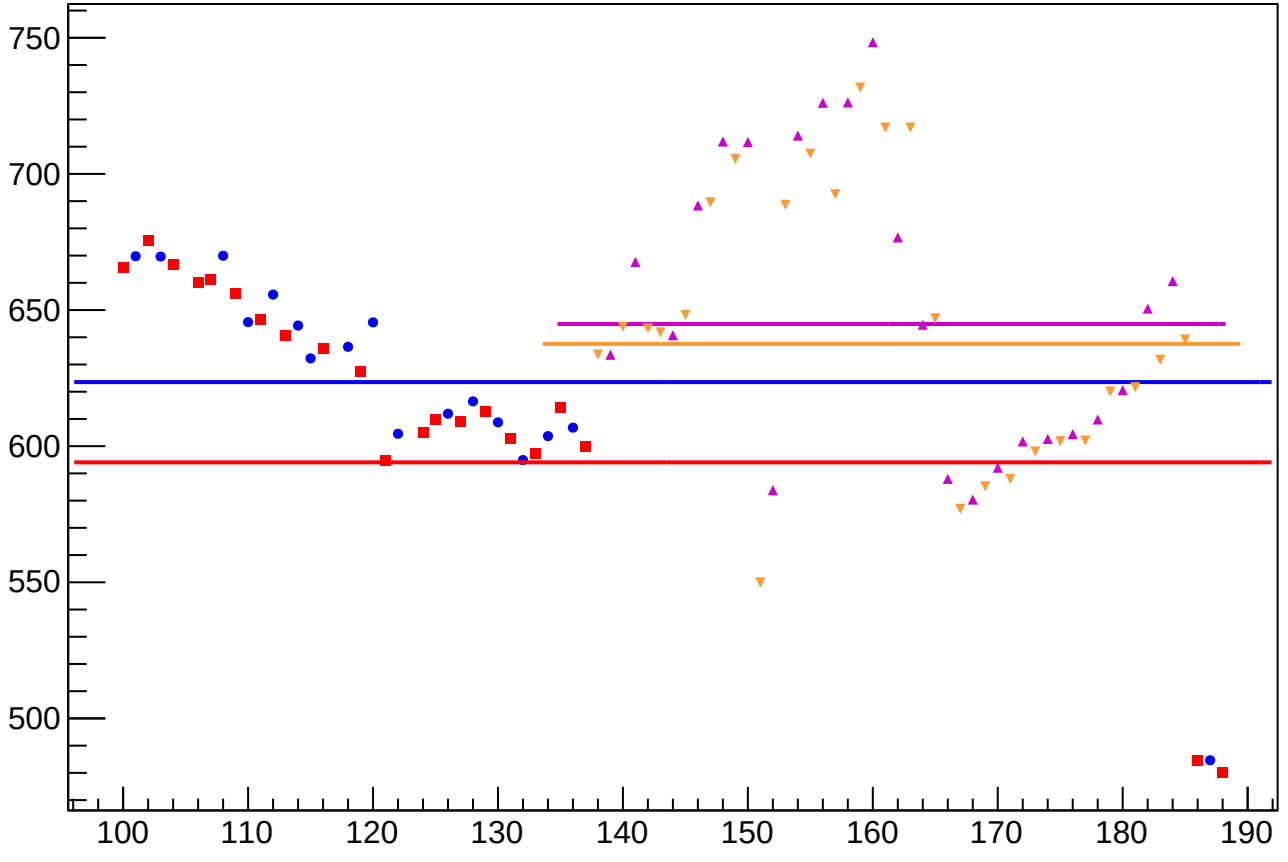
Right: -15.798+/-0.151 χ^2/NDF: 44243.6/37

In: 8.689+/-0.126 χ^2/NDF:42437.6/39

Out: 19.023+/-0.118 χ^2/NDF:82019.9/45

All: 14.216+/-0.086 χ^2/NDF: 128042.8/85

diff_bpm1i02Y_rms vs Slug, Sign Corrected



Right In: 623.539+/-0.162 χ^2/NDF: 57729.9/16

Left Out: 637.569+/-0.103 χ^2/NDF:236539.6/24

Right Out: 594.063+/-0.142 χ^2/NDF: 224875.2/20

Left In: 644.873+/-0.107 χ^2/NDF:229560.3/22

Left: 641.078+/-0.074 χ^2/NDF: 468523.1/47

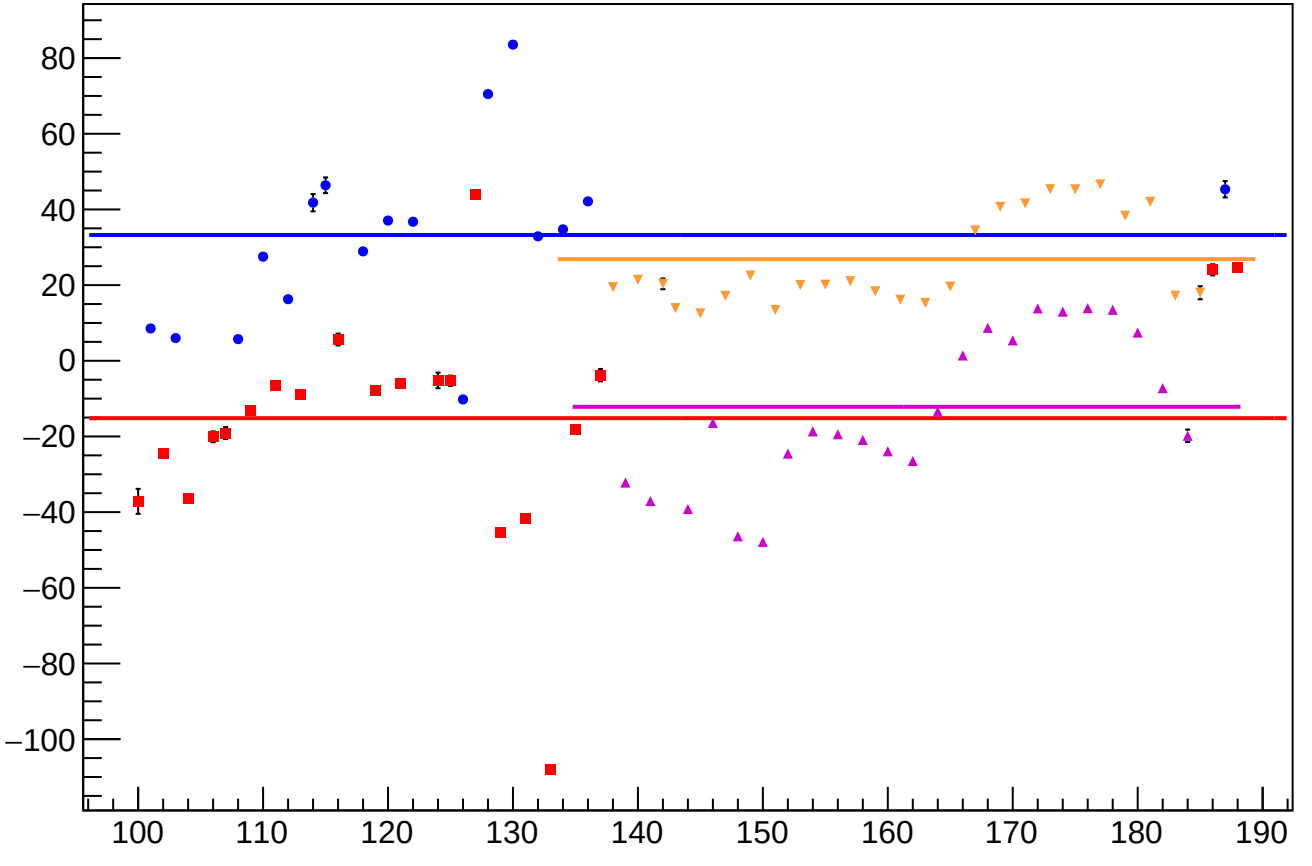
Right: 606.844+/-0.107 χ^2/NDF: 301362.6/37

In: 638.396+/-0.089 χ^2/NDF:299372.2/39

Out: 622.563+/-0.083 χ^2/NDF:523153.7/45

All: 629.928+/-0.061 χ^2/NDF: 839359.0/85

diff_bpm1i04X_mean vs Slug, Sign Corrected



Right In: 33.248+/-0.286 χ^2/NDF: 6731.8/16

Left Out: 26.866+/-0.207 χ^2/NDF:3390.4/24

Right Out: -15.169+/-0.269 χ^2/NDF: 14623.4/20

Left In: -12.159+/-0.214 χ^2/NDF:8547.0/22

Left: 8.004+/-0.149 χ^2/NDF: 29170.3/47

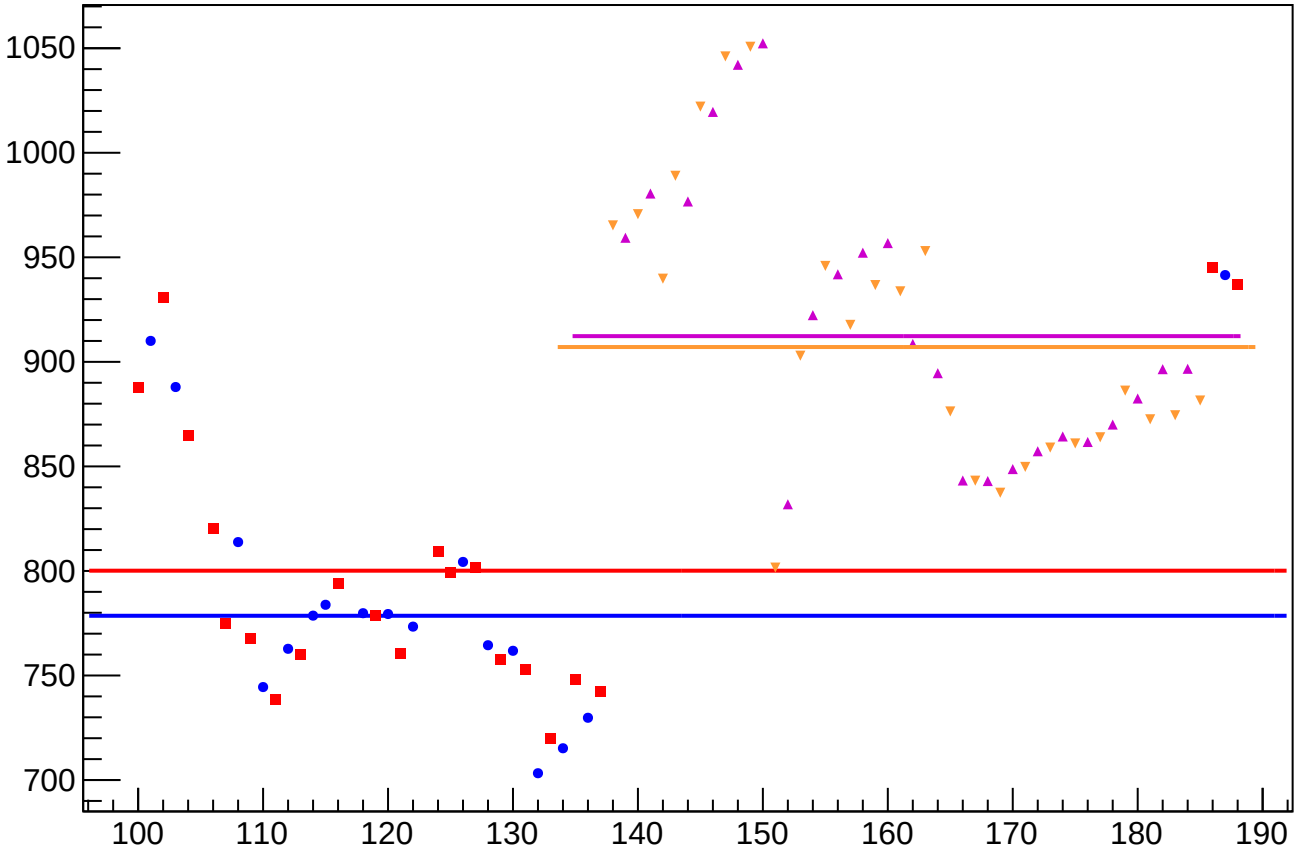
Right: 7.554+/-0.196 χ^2/NDF: 36524.7/37

In: 4.081+/-0.171 χ^2/NDF:31428.0/39

Out: 11.286+/-0.164 χ^2/NDF:33346.9/45

All: 7.840+/-0.118 χ^2/NDF: 65698.3/85

diff_bpm1i04X_rms vs Slug, Sign Corrected



Right In: 778.562+/-0.202 χ^2/NDF: 86177.4/16

Left Out: 907.089+/-0.146 χ^2/NDF:194606.8/24

Right Out: 800.122+/-0.190 χ^2/NDF: 132851.5/20

Left In: 912.301+/-0.151 χ^2/NDF:174715.2/22

Left: 909.608+/-0.105 χ^2/NDF: 369936.7/47

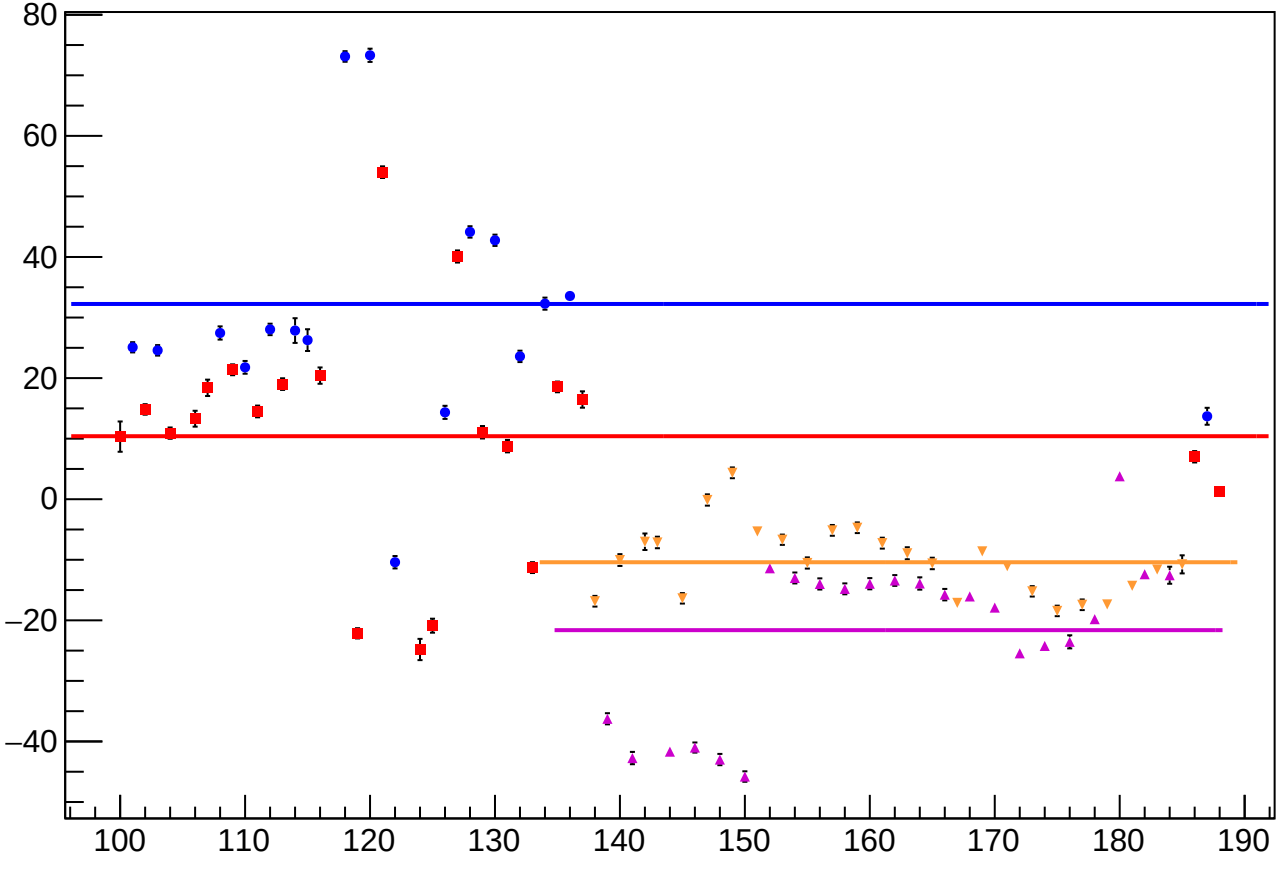
Right: 790.004+/-0.139 χ^2/NDF: 225045.0/37

In: 864.469+/-0.121 χ^2/NDF:541082.6/39

Out: 867.441+/-0.116 χ^2/NDF:526037.5/45

All: 866.020+/-0.084 χ^2/NDF: 1067434.3/85

diff_bpm1i04Y_mean vs Slug, Sign Corrected



Right In: 32.241+/-0.240 χ^2/NDF: 6440.5/16

Left Out: -10.406+/-0.176 χ^2/NDF:1041.8/24

Right Out: 10.406+/-0.219 χ^2/NDF: 6829.2/20

Left In: -21.621+/-0.182 χ^2/NDF:5241.8/22

Left: -15.828+/-0.126 χ^2/NDF: 8246.4/47

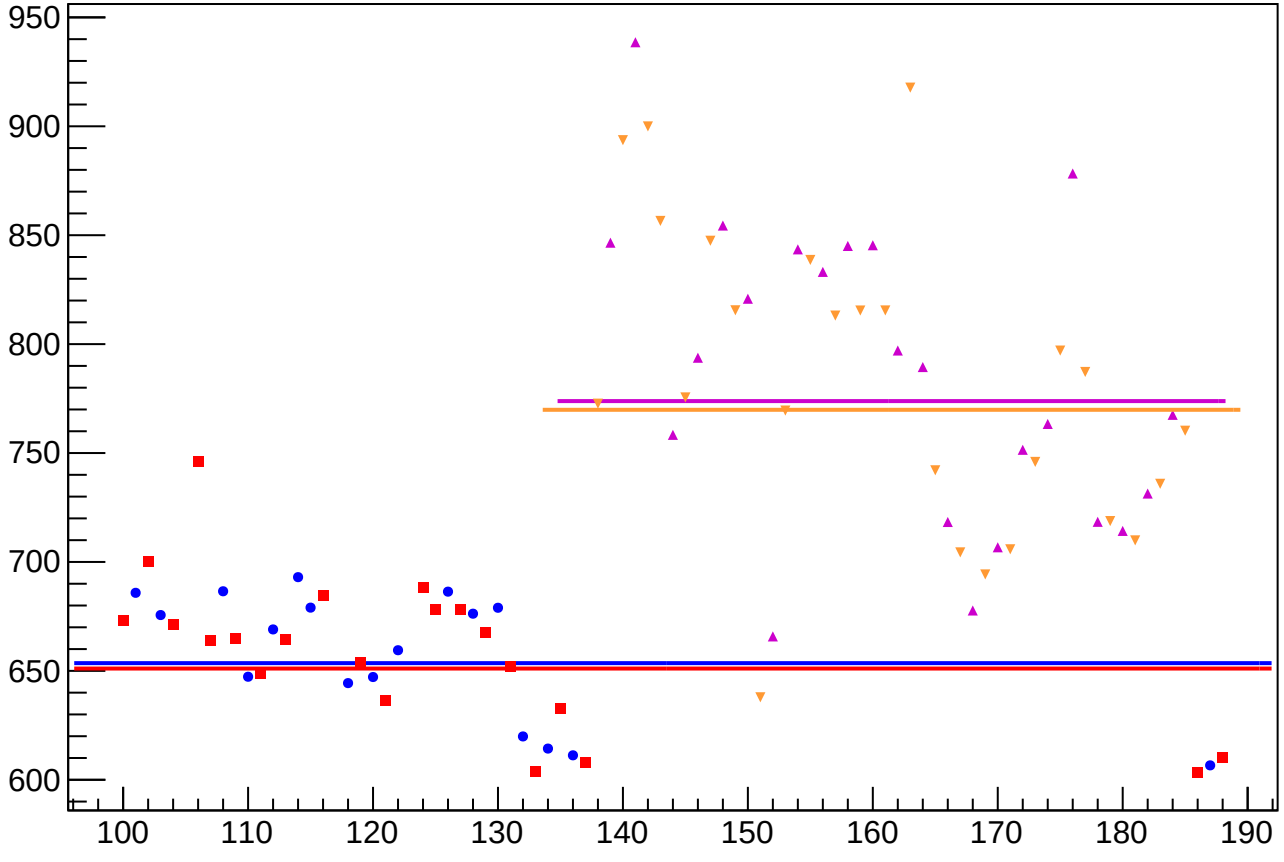
Right: 20.314+/-0.162 χ^2/NDF: 17794.9/37

In: -1.955+/-0.145 χ^2/NDF:43684.0/39

Out: -2.224+/-0.137 χ^2/NDF:13368.7/45

All: -2.097+/-0.100 χ^2/NDF: 57054.6/85

diff_bpm1i04Y_rms vs Slug, Sign Corrected



Right In: 653.547+/-0.170 χ^2/NDF: 29065.1/16

Left Out: 769.850+/-0.124 χ^2/NDF:304526.6/24

Right Out: 651.066+/-0.155 χ^2/NDF: 47193.5/20

Left In: 773.845+/-0.129 χ^2/NDF:282843.1/22

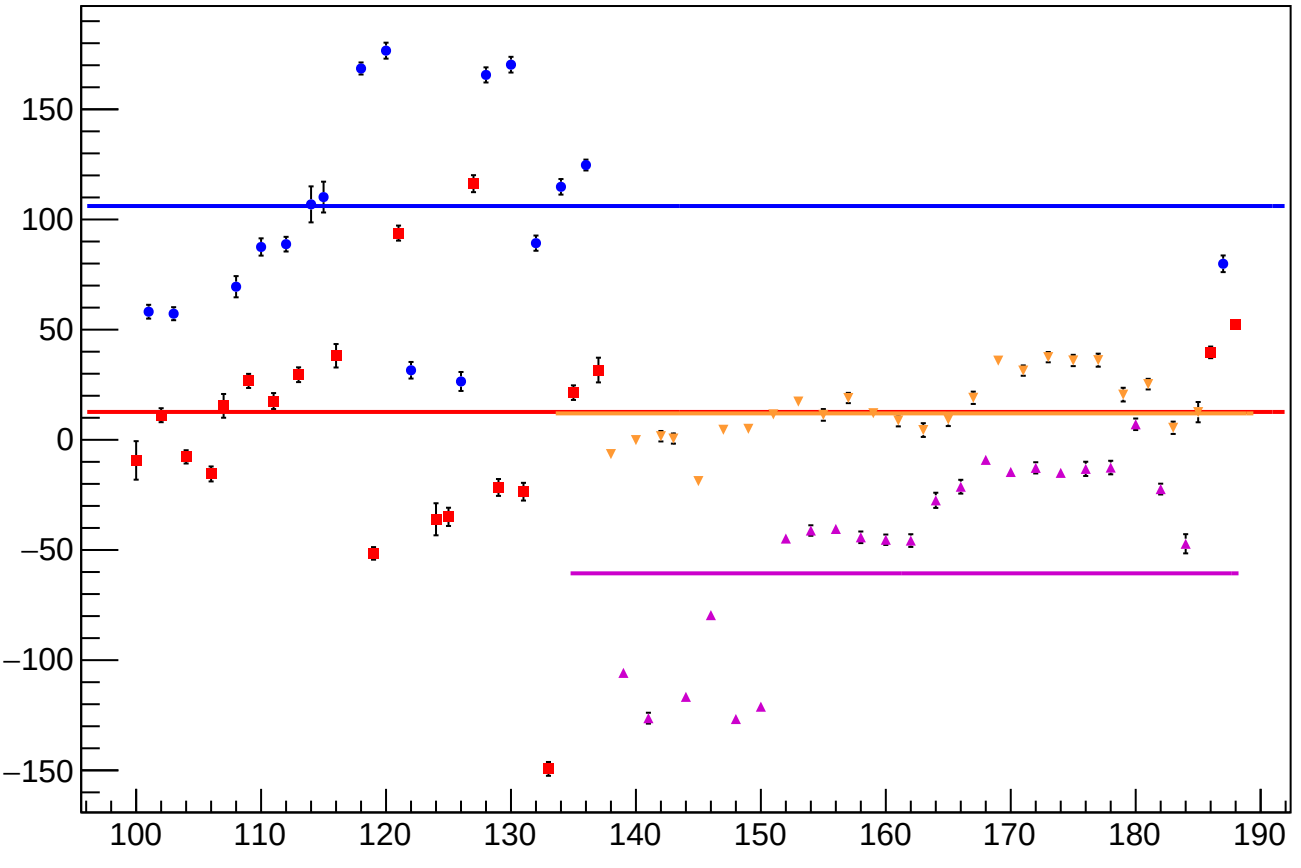
Left: 771.781+/-0.089 χ^2/NDF: 587867.8/47

Right: 652.192+/-0.114 χ^2/NDF: 76375.5/37

In: 729.921+/-0.103 χ^2/NDF:631173.7/39

Out: 723.147+/-0.097 χ^2/NDF:709900.3/45

All: 726.346+/-0.070 χ^2/NDF: 1343379.0/85



Right In: 106.108+/-0.862 χ^2/NDF: 3006.6/16

Left Out: 11.989+/-0.472 χ^2/NDF:947.1/24

Right Out: 12.652+/-0.735 χ^2/NDF: 5679.1/20

Left In: -60.598+/-0.481 χ^2/NDF:8638.1/22

Left: -23.591+/-0.337 χ^2/NDF: 21200.1/47

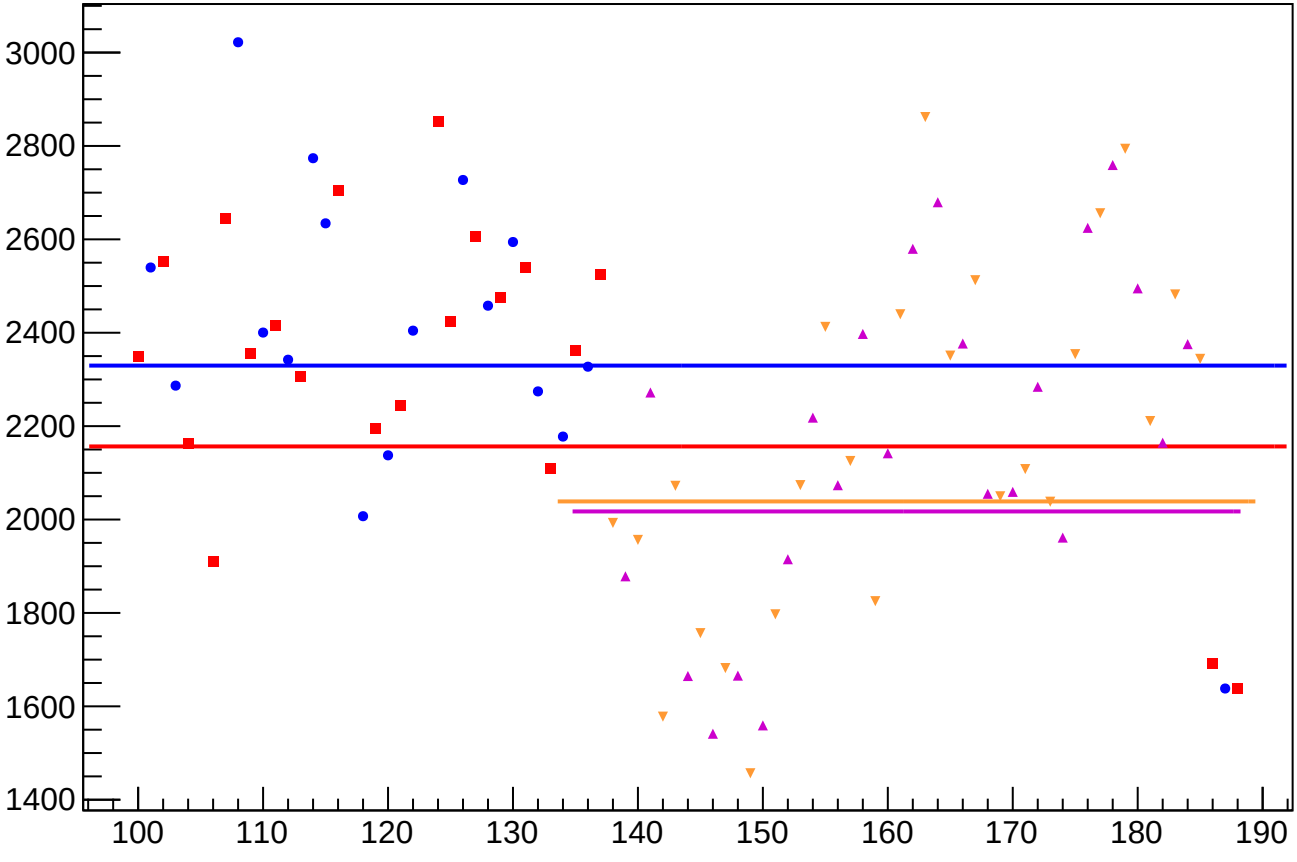
Right: 51.987+/-0.559 χ^2/NDF: 15493.1/37

In: -21.026+/-0.420 χ^2/NDF:40169.1/39

Out: 12.182+/-0.397 χ^2/NDF:6626.8/45

All: -3.483+/-0.288 χ^2/NDF: 50098.8/85

diff_bpm1i06X_rms vs Slug, Sign Corrected



Right In: 2329.651+/-0.610 χ^2/NDF: 197462.1/16

Left Out: 2038.784+/-0.333 χ^2/NDF:1123518.3/24

Right Out: 2156.545+/-0.520 χ^2/NDF: 461405.2/20

Left In: 2017.328+/-0.340 χ^2/NDF:1050043.3/22

Left: 2028.267+/-0.238 χ^2/NDF: 2175591.3/47

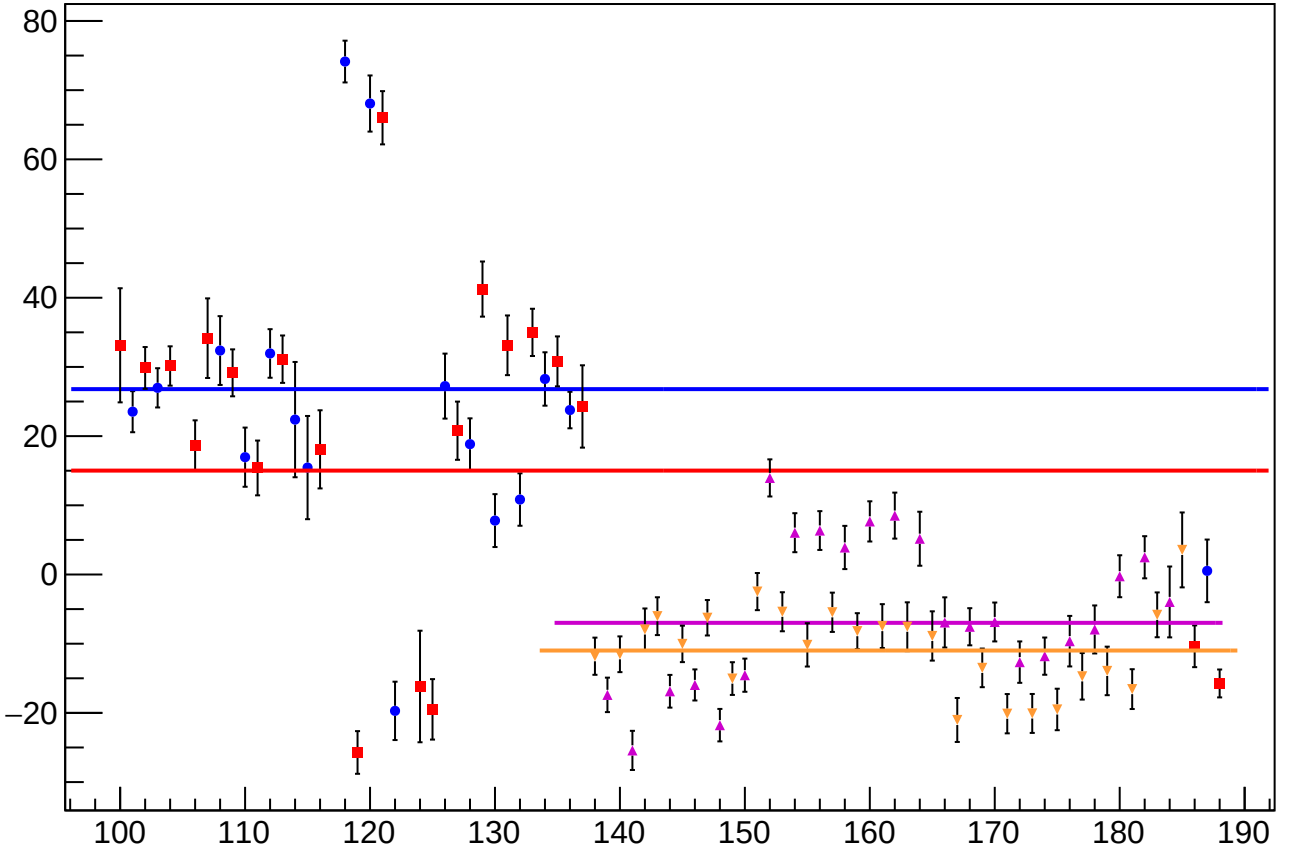
Right: 2229.404+/-0.395 χ^2/NDF: 705577.8/37

In: 2091.466+/-0.297 χ^2/NDF:1447746.1/39

Out: 2073.130+/-0.281 χ^2/NDF:1621304.1/45

All: 2081.780+/-0.204 χ^2/NDF: 3071064.2/85

diff_bpm1i06Y_mean vs Slug, Sign Corrected



Right In: 26.791+/-0.917 χ^2/NDF: 565.8/16

Left Out: -10.985+/-0.586 χ^2/NDF:87.6/24

Right Out: 15.018+/-0.795 χ^2/NDF: 959.0/20

Left In: -6.985+/-0.598 χ^2/NDF:339.5/22

Left: -9.027+/-0.419 χ^2/NDF: 449.9/47

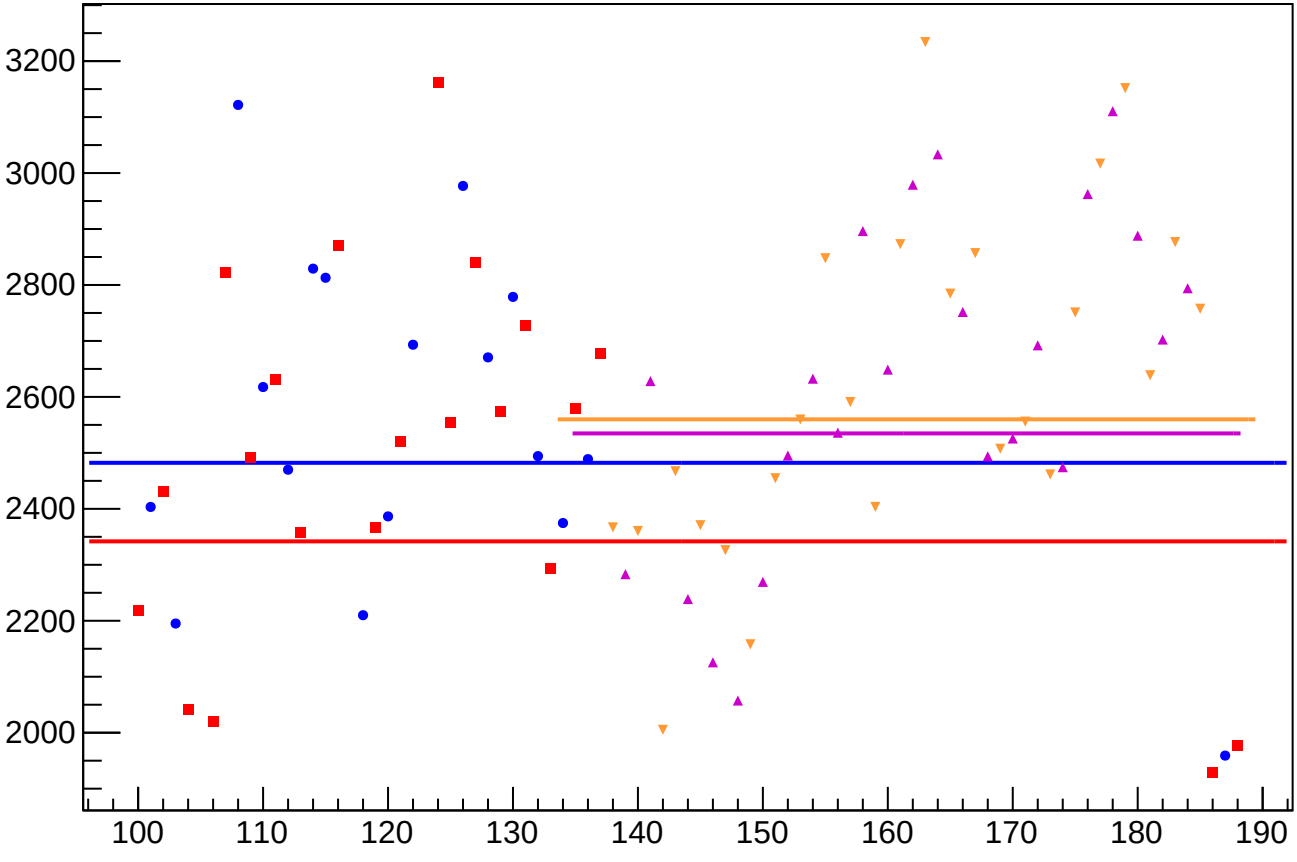
Right: 20.066+/-0.601 χ^2/NDF: 1618.9/37

In: 3.099+/-0.501 χ^2/NDF:1856.3/39

Out: -1.829+/-0.472 χ^2/NDF:1740.2/45

All: 0.485+/-0.343 χ^2/NDF: 3647.7/85

diff_bpm1i06Y_rms vs Slug, Sign Corrected



Right In: 2482.251+/-0.649 χ^2/NDF: 154456.1/16

Left Out: 2559.931+/-0.414 χ^2/NDF:450188.5/24

Right Out: 2341.890+/-0.562 χ^2/NDF: 285712.1/20

Left In: 2534.780+/-0.423 χ^2/NDF:463621.9/22

Left: 2547.623+/-0.296 χ^2/NDF: 915614.3/47

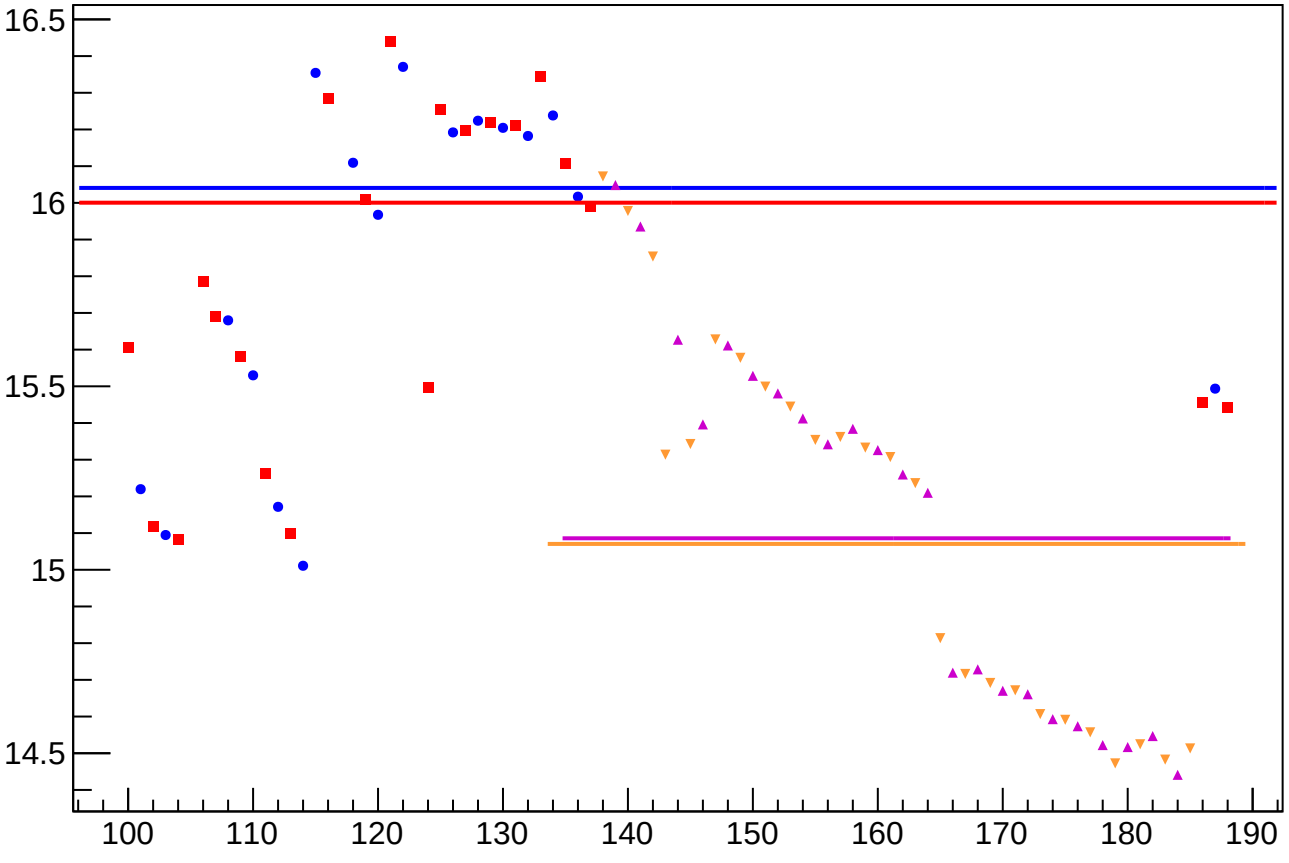
Right: 2402.070+/-0.425 χ^2/NDF: 466916.7/37

In: 2519.097+/-0.354 χ^2/NDF:622678.2/39

Out: 2483.153+/-0.333 χ^2/NDF:833438.0/45

All: 2500.031+/-0.243 χ^2/NDF: 1461571.8/85

yield_sam1_mean vs Slug, Sign Corrected



Right In: 16.041+/-0.000 χ^2/NDF: 2876802256.0/16

Left Out: 15.070+/-0.000 χ^2/NDF:43718295237.2/24

Right Out: 16.000+/-0.000 χ^2/NDF: 4379764967.3/20

Left In: 15.086+/-0.000 χ^2/NDF:39504896066.7/22

Left: 15.078+/-0.000 χ^2/NDF: 83242630627.9/47

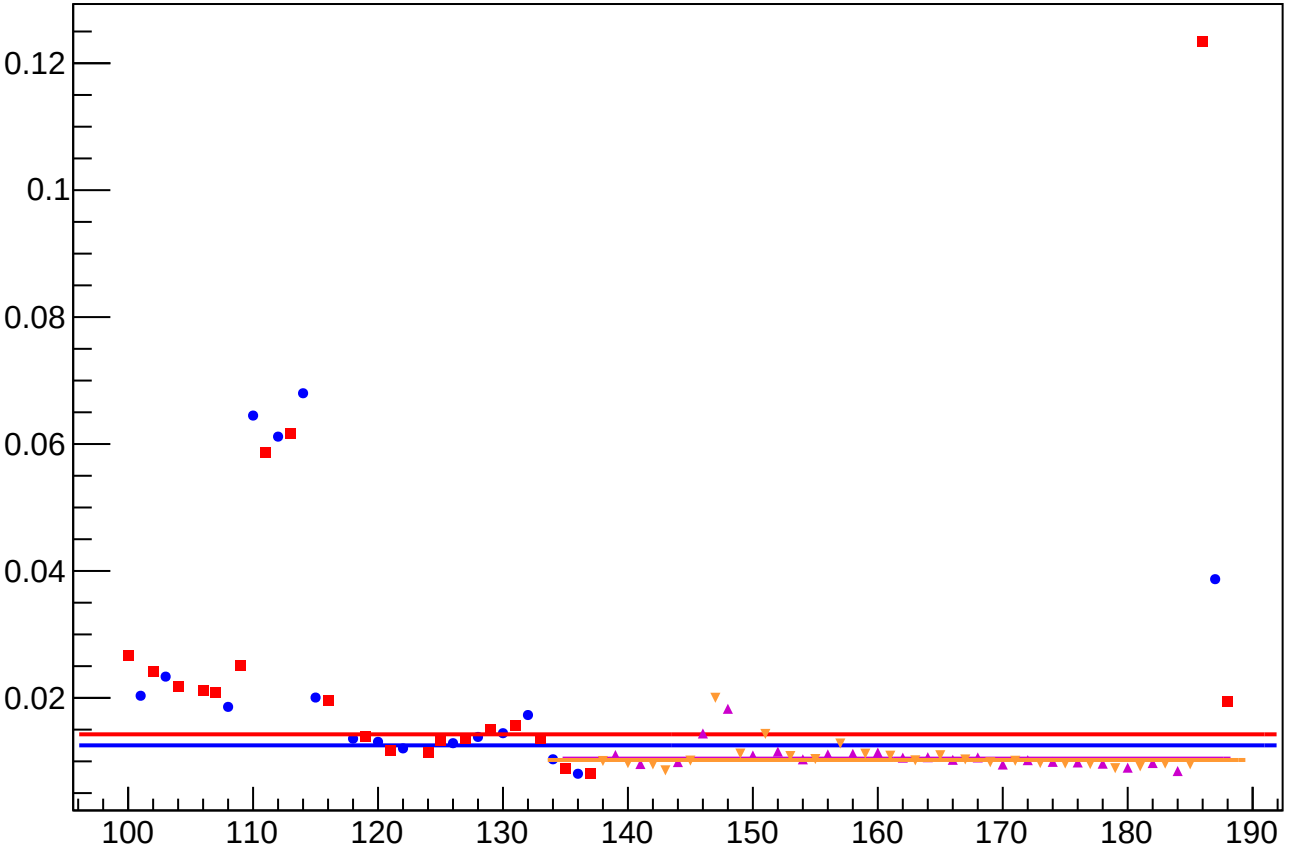
Right: 16.022+/-0.000 χ^2/NDF: 7284179038.3/37

In: 15.262+/-0.000 χ^2/NDF:68954944743.5/39

Out: 15.217+/-0.000 χ^2/NDF:71800391926.7/45

All: 15.239+/-0.000 χ^2/NDF: 140956789030.

yield_sam1_rms vs Slug, Sign Corrected



Right In: 0.013+/-0.000 χ^2/NDF: 2482988.0/16

Left Out: 0.010+/-0.000 χ^2/NDF:760322.0/24

Right Out: 0.014+/-0.000 χ^2/NDF: 2983260.6/20

Left In: 0.010+/-0.000 χ^2/NDF:597752.6/22

Left: 0.010+/-0.000 χ^2/NDF: 1365448.4/47

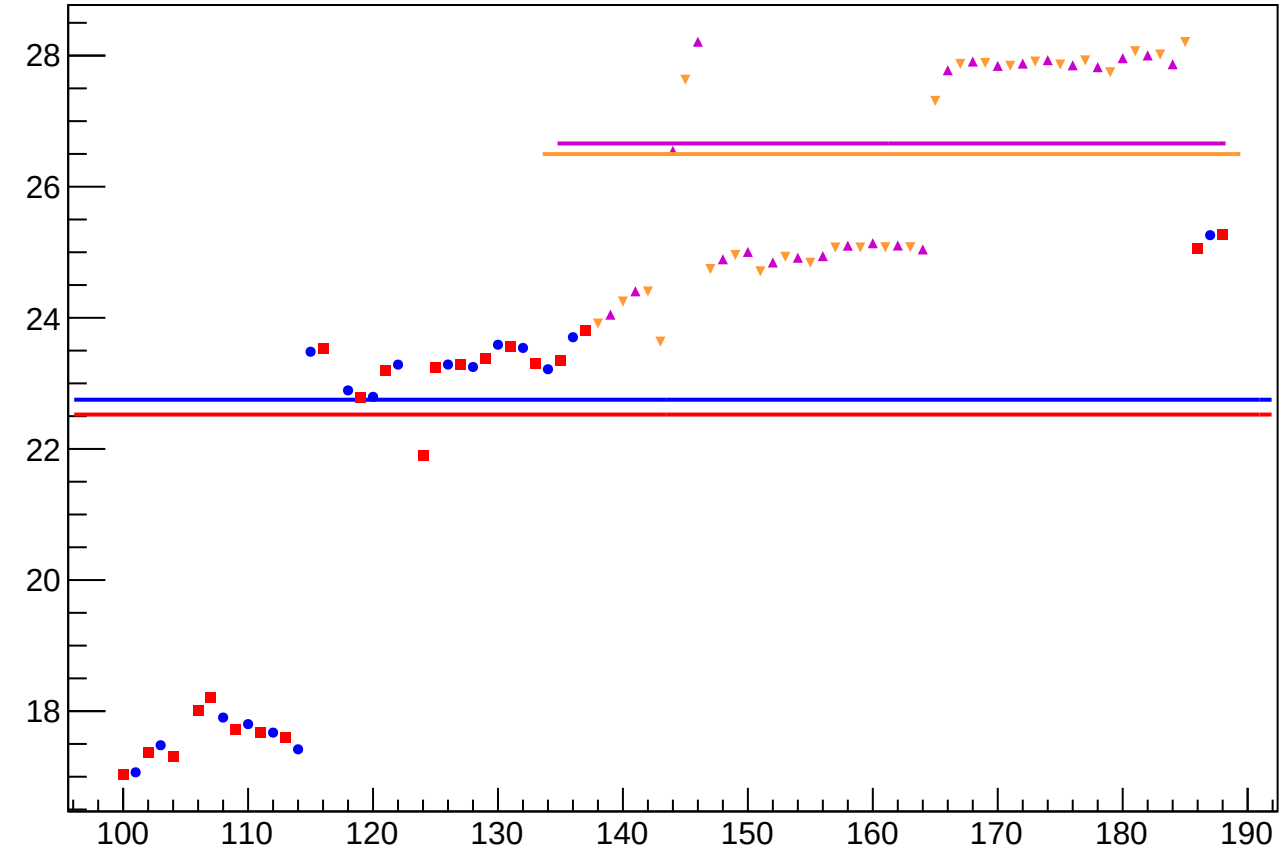
Right: 0.013+/-0.000 χ^2/NDF: 5569190.3/37

In: 0.011+/-0.000 χ^2/NDF:3336004.9/39

Out: 0.011+/-0.000 χ^2/NDF:4639227.4/45

All: 0.011+/-0.000 χ^2/NDF: 7975554.1/85

yield_sam2_mean vs Slug, Sign Corrected



Right In: 22.751+/-0.000 χ^2/NDF: 1233565641.4/16

Left Out: 26.498+/-0.000 χ^2/NDF:3909357236.5/24

Right Out: 22.524+/-0.000 χ^2/NDF: 1336354423.4/20

Left In: 26.660+/-0.000 χ^2/NDF:2886823196.4/22

Left: 26.575+/-0.000 χ^2/NDF: 6814787304.8/47

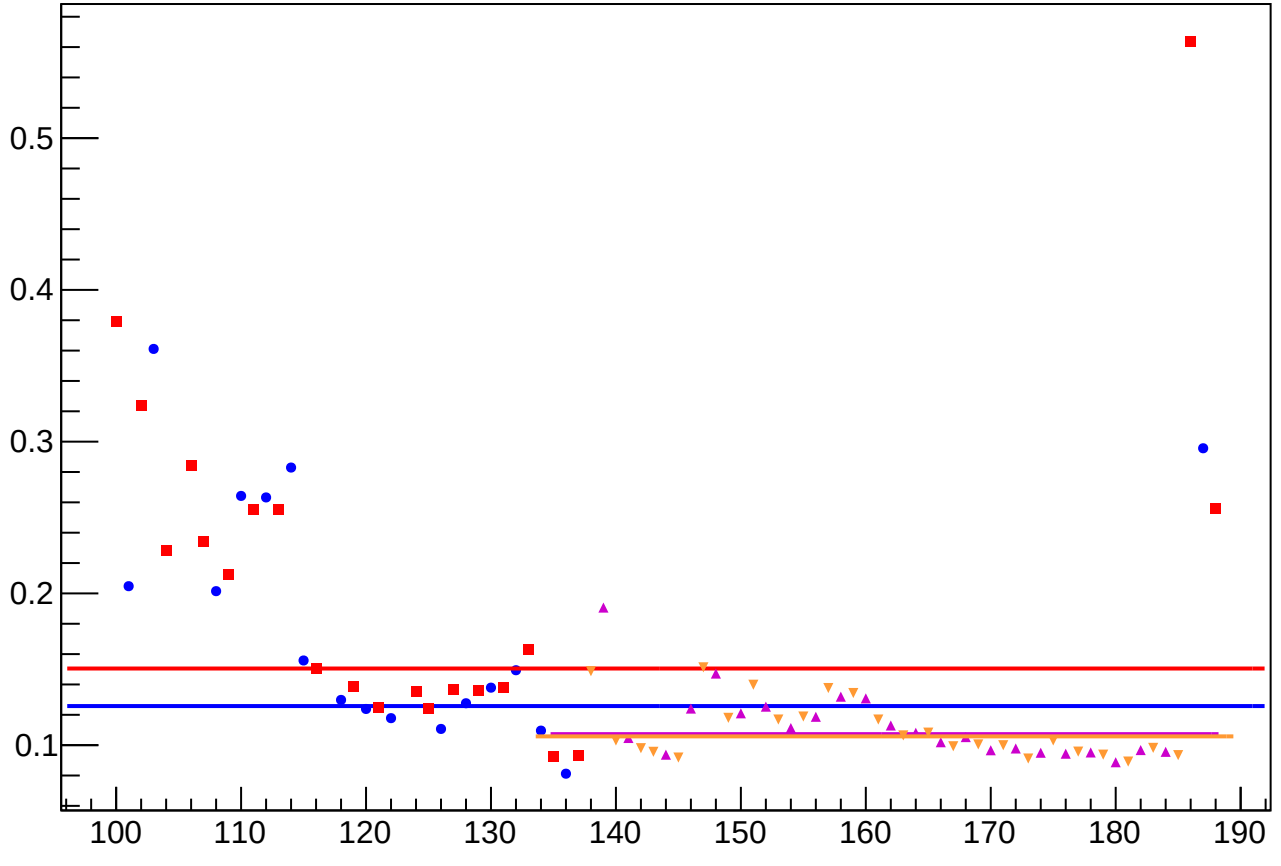
Right: 22.647+/-0.000 χ^2/NDF: 2578078513.8/37

In: 25.868+/-0.000 χ^2/NDF:8330556138.2/39

Out: 25.839+/-0.000 χ^2/NDF:9128259603.1/45

All: 25.853+/-0.000 χ^2/NDF: 17459545453.7

yield_sam2_rms vs Slug, Sign Corrected



Right In: 0.126+/-0.000 χ^2/NDF: 1867609.5/16

Left Out: 0.106+/-0.000 χ^2/NDF:756185.0/24

Right Out: 0.151+/-0.000 χ^2/NDF: 2335460.6/20

Left In: 0.107+/-0.000 χ^2/NDF:859458.3/22

Left: 0.106+/-0.000 χ^2/NDF: 1618736.7/47

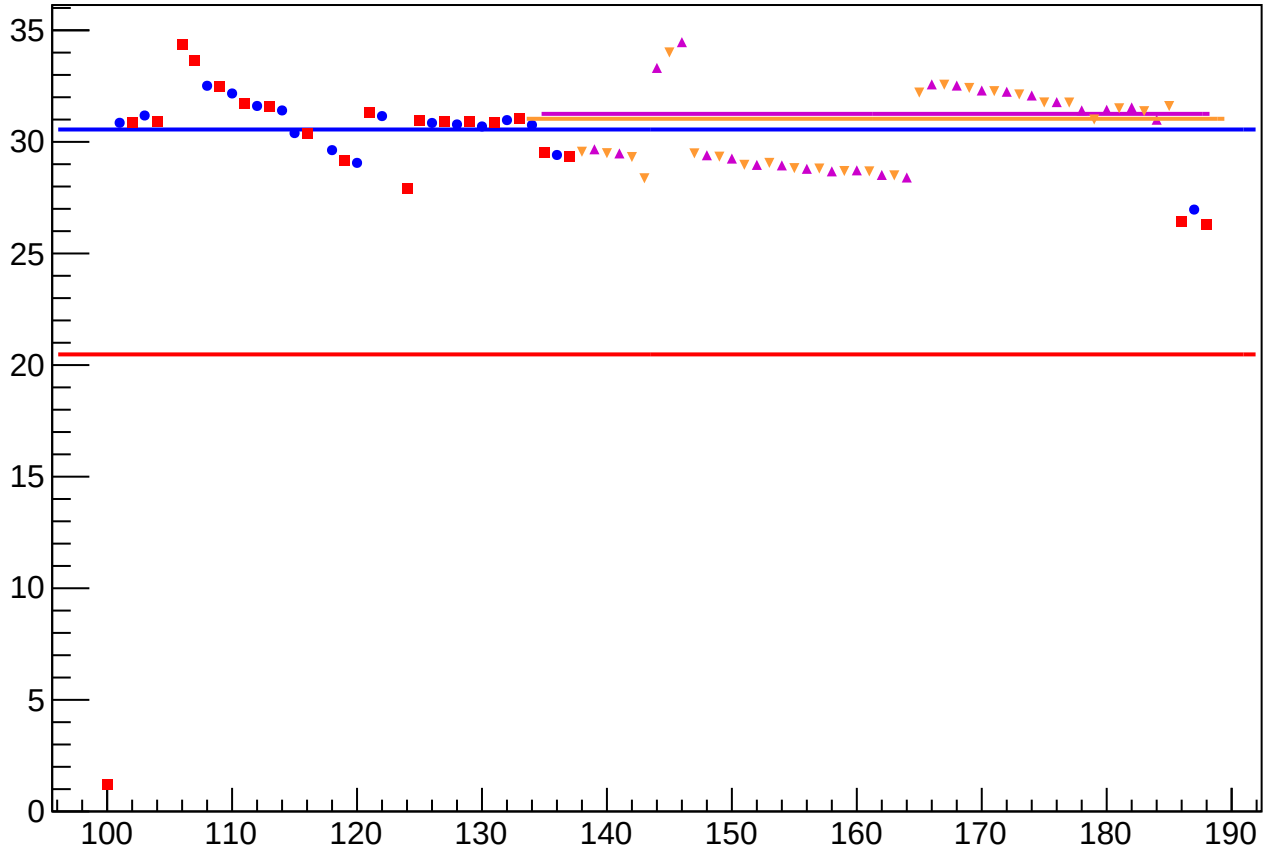
Right: 0.137+/-0.000 χ^2/NDF: 4397823.6/37

In: 0.111+/-0.000 χ^2/NDF:2915715.7/39

Out: 0.113+/-0.000 χ^2/NDF:4075231.8/45

All: 0.112+/-0.000 χ^2/NDF: 6999303.3/85

yield_sam3_mean vs Slug, Sign Corrected



Right In: 30.555+/-0.000 χ^2/NDF: 735013141.2/16

Left Out: 31.035+/-0.000 χ^2/NDF:11897463221.2/24

Right Out: 20.478+/-0.000 χ^2/NDF: 222951917901.9/20

Left In: 31.256+/-0.000 χ^2/NDF:12589744083.0/22

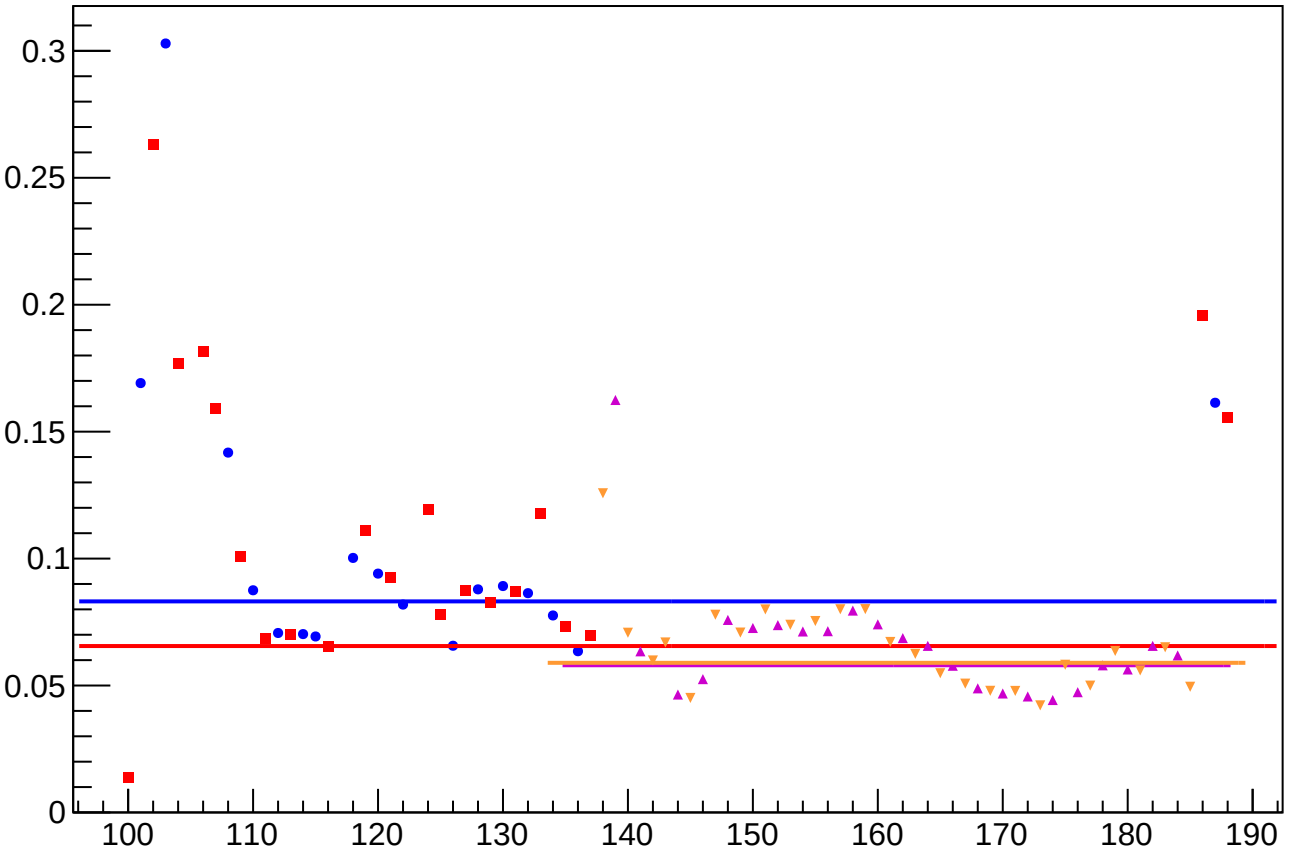
Left: 31.143+/-0.000 χ^2/NDF: 24589664395.0/47

Right: 24.583+/-0.000 χ^2/NDF: 270646685747.0/37

In: 31.144+/-0.000 χ^2/NDF:13646897491.0/39

Out: 28.823+/-0.000 χ^2/NDF:334866945607.1/45

All: 29.926+/-0.000 χ^2/NDF: 362388662200.



Right In: 0.083+/-0.000 χ^2/NDF: 1340179.9/16

Left Out: 0.059+/-0.000 χ^2/NDF:1536601.0/24

Right Out: 0.066+/-0.000 χ^2/NDF: 5002561.0/20

Left In: 0.058+/-0.000 χ^2/NDF:1716553.7/22

Left: 0.058+/-0.000 χ^2/NDF: 3257018.5/47

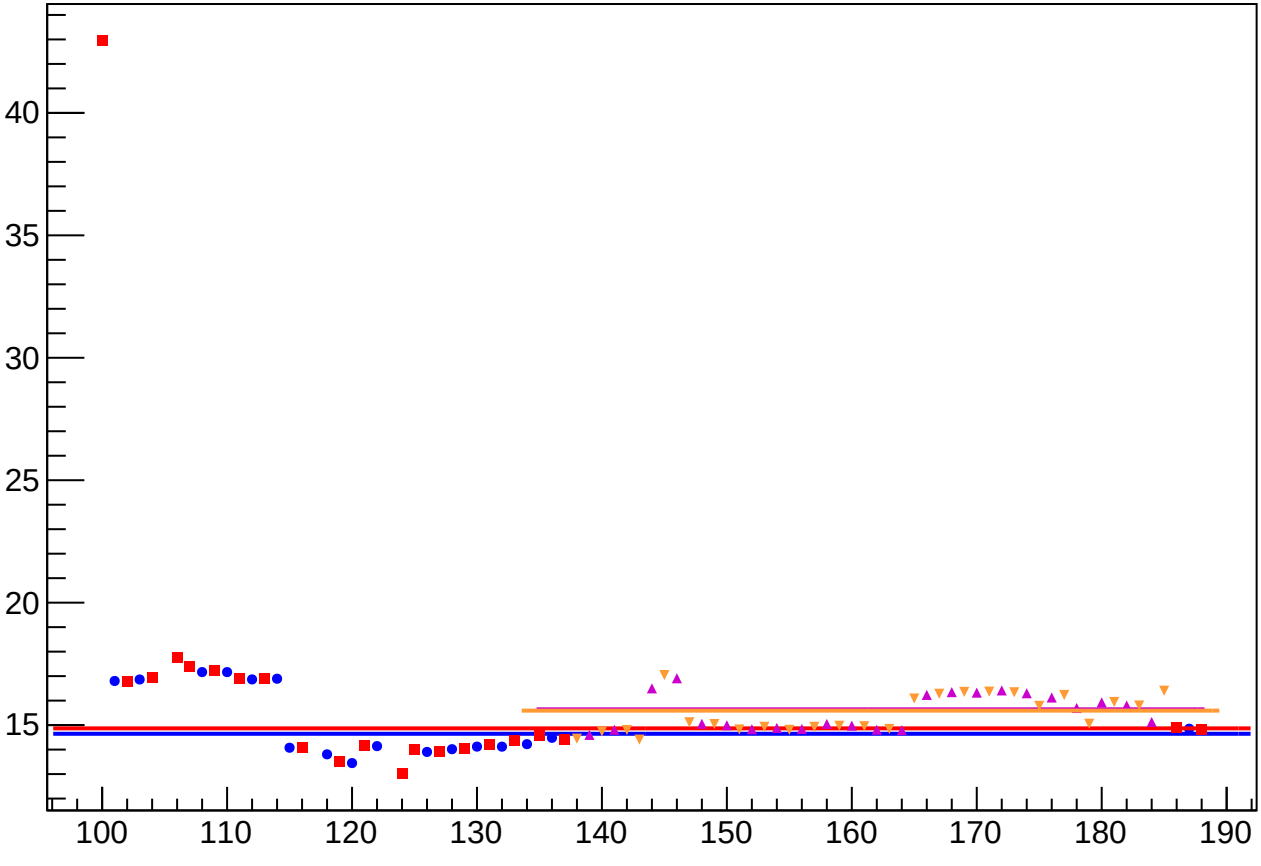
Right: 0.073+/-0.000 χ^2/NDF: 6628930.4/37

In: 0.062+/-0.000 χ^2/NDF:3887267.6/39

Out: 0.060+/-0.000 χ^2/NDF:6617511.0/45

All: 0.061+/-0.000 χ^2/NDF: 10518924.3/85

yield_sam4_mean vs Slug, Sign Corrected



Right In: 14.645+/-0.000 χ^2/NDF: 1194098364.1/16

Left Out: 15.591+/-0.000 χ^2/NDF:2257437225.0/24

Right Out: 14.866+/-0.000 χ^2/NDF: 1730103232.1/20

Left In: 15.645+/-0.000 χ^2/NDF:1858454747.6/22

Left: 15.617+/-0.000 χ^2/NDF: 4121246437.2/47

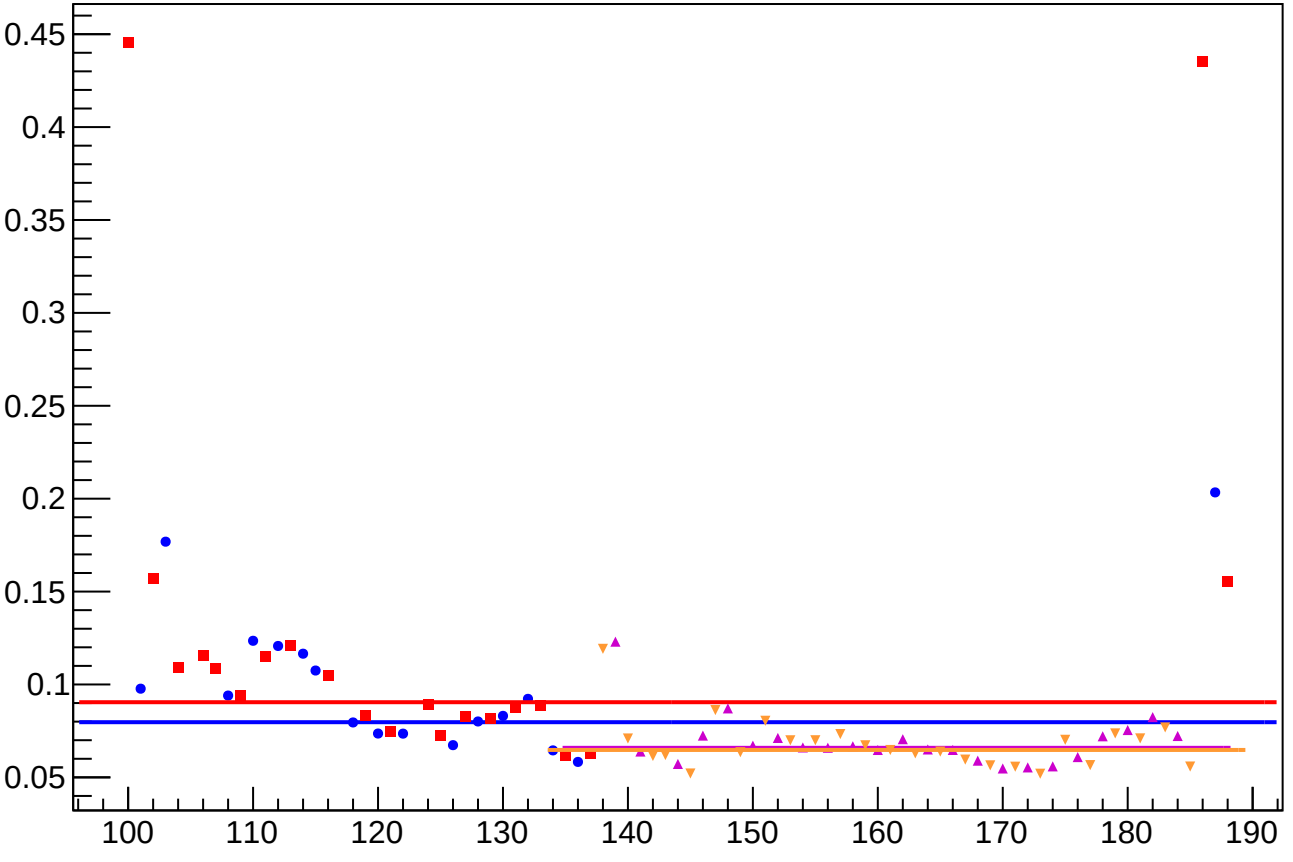
Right: 14.751+/-0.000 χ^2/NDF: 2946199998.1/37

In: 15.436+/-0.000 χ^2/NDF:3797778659.8/39

Out: 15.460+/-0.000 χ^2/NDF:4358063709.4/45

All: 15.449+/-0.000 χ^2/NDF: 8157178126.9/8

yield_sam4_rms vs Slug, Sign Corrected



Right In: 0.080+/-0.000 χ^2/NDF: 1050744.8/16

Left Out: 0.065+/-0.000 χ^2/NDF:855753.3/24

Right Out: 0.090+/-0.000 χ^2/NDF: 1632266.4/20

Left In: 0.066+/-0.000 χ^2/NDF:788235.2/22

Left: 0.065+/-0.000 χ^2/NDF: 1648838.5/47

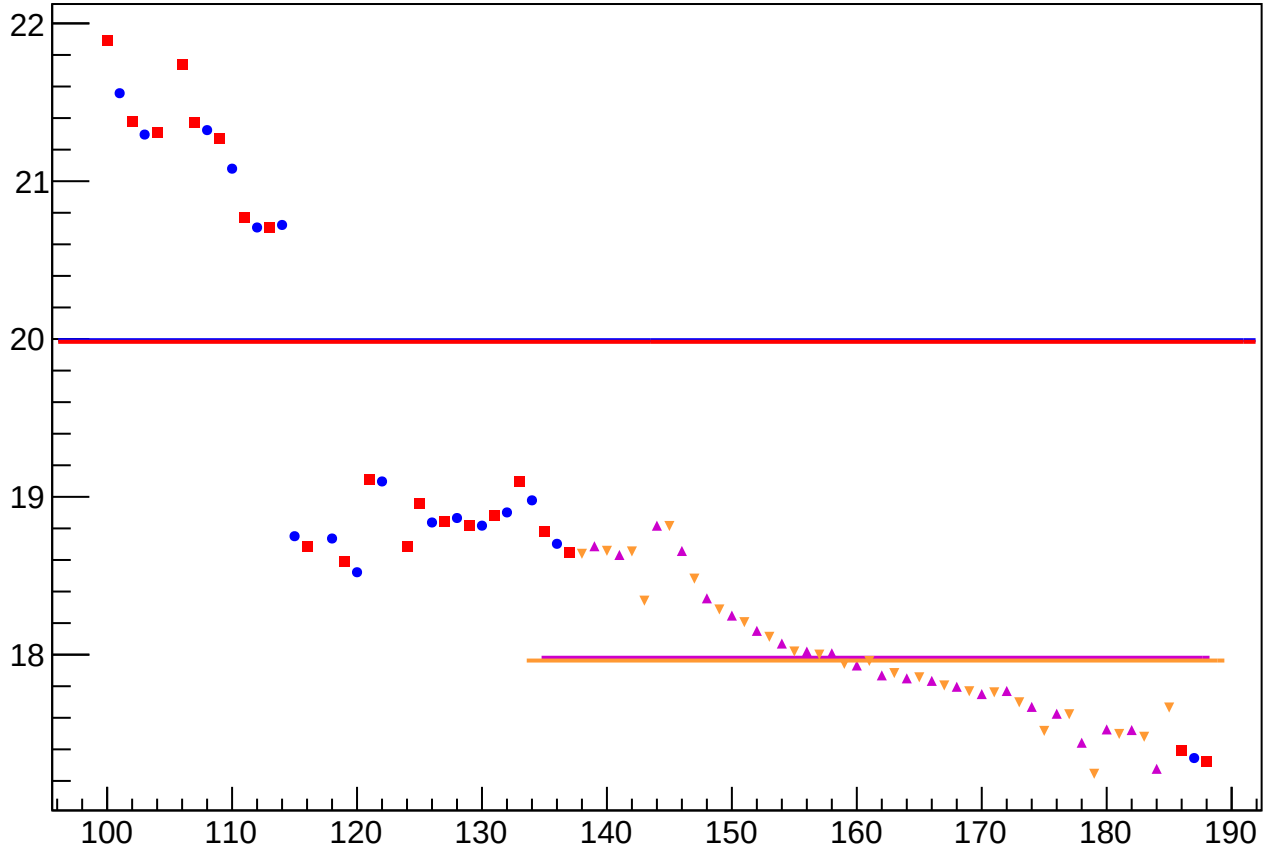
Right: 0.085+/-0.000 χ^2/NDF: 2787179.9/37

In: 0.069+/-0.000 χ^2/NDF:2123150.7/39

Out: 0.069+/-0.000 χ^2/NDF:3419732.3/45

All: 0.069+/-0.000 χ^2/NDF: 5544682.6/85

yield_sam5_mean vs Slug, Sign Corrected



Right In: 19.993+/-0.000 χ^2/NDF: 11011618429.6/16

Left Out: 17.963+/-0.000 χ^2/NDF:3041551307.2/24

Right Out: 19.982+/-0.000 χ^2/NDF: 13989698753.9/20

Left In: 17.980+/-0.000 χ^2/NDF:2720441956.8/22

Left: 17.971+/-0.000 χ^2/NDF: 5764899395.7/47

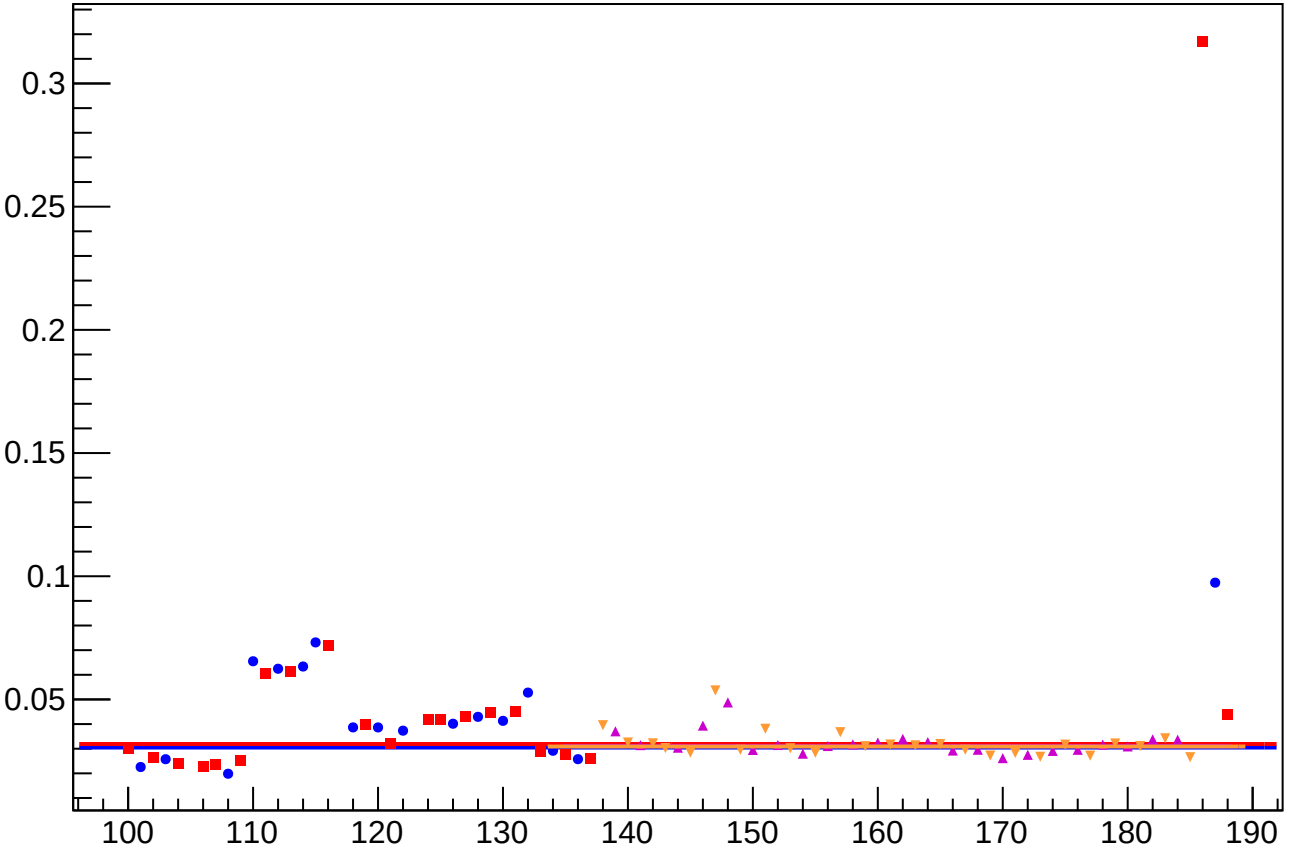
Right: 19.987+/-0.000 χ^2/NDF: 25001691460.9/37

In: 18.518+/-0.000 χ^2/NDF:33072793511.9/39

Out: 18.502+/-0.000 χ^2/NDF:37927417948.8/45

All: 18.510+/-0.000 χ^2/NDF: 71003531480.5

yield_sam5_rms vs Slug, Sign Corrected



Right In: 0.030+/-0.000 χ^2/NDF: 1616962.8/16

Left Out: 0.031+/-0.000 χ^2/NDF:633519.6/24

Right Out: 0.032+/-0.000 χ^2/NDF: 1970701.3/20

Left In: 0.031+/-0.000 χ^2/NDF:482919.2/22

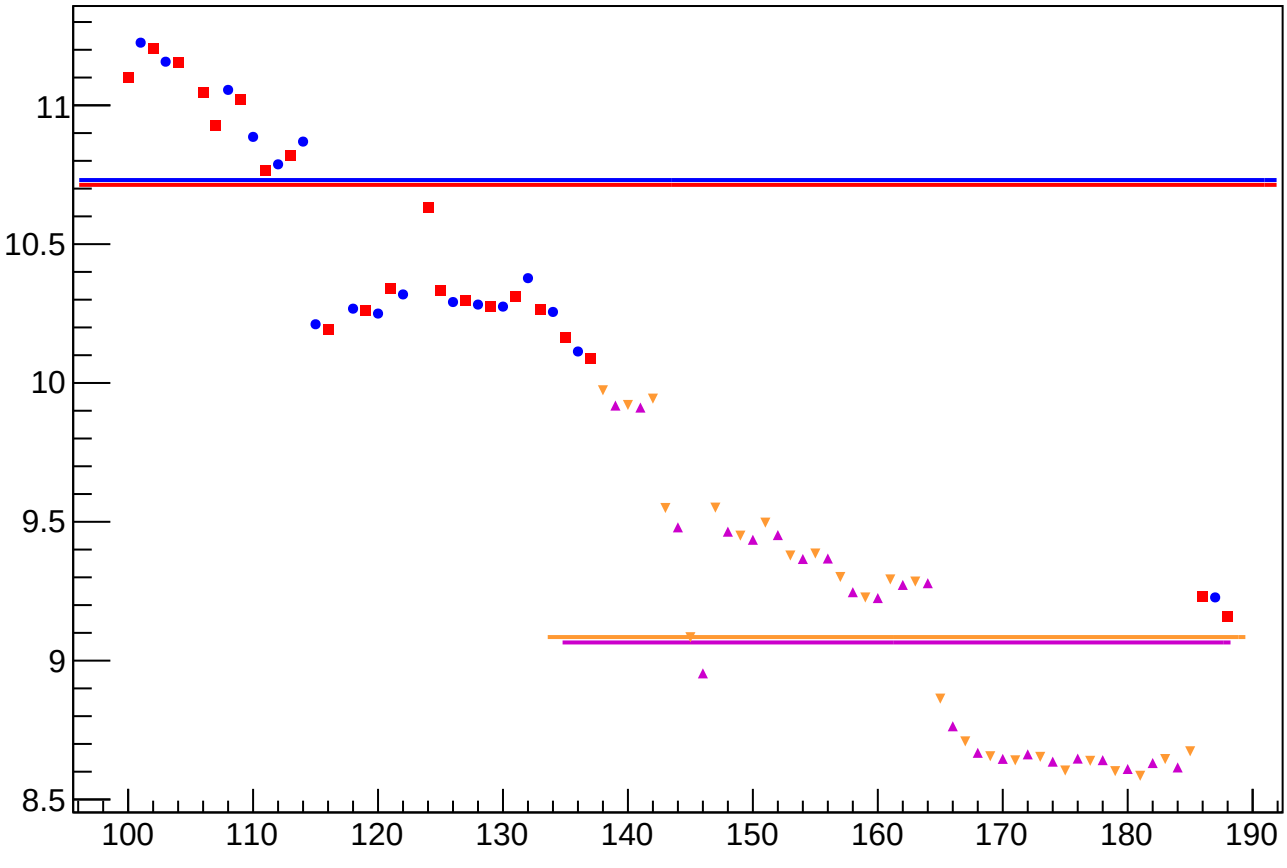
Left: 0.031+/-0.000 χ^2/NDF: 1117566.2/47

Right: 0.031+/-0.000 χ^2/NDF: 3601310.1/37

In: 0.031+/-0.000 χ^2/NDF:2103949.4/39

Out: 0.031+/-0.000 χ^2/NDF:2614810.1/45

All: 0.031+/-0.000 χ^2/NDF: 4719759.8/85



Right In: 10.731+/-0.000 χ^2/NDF: 6027075801.7/16

Left Out: 9.085+/-0.000 χ^2/NDF:10203625727.4/24

Right Out: 10.713+/-0.000 χ^2/NDF: 5941532630.1/20

Left In: 9.065+/-0.000 χ^2/NDF:8070708662.0/22

Left: 9.076+/-0.000 χ^2/NDF: 18283226528.9/47

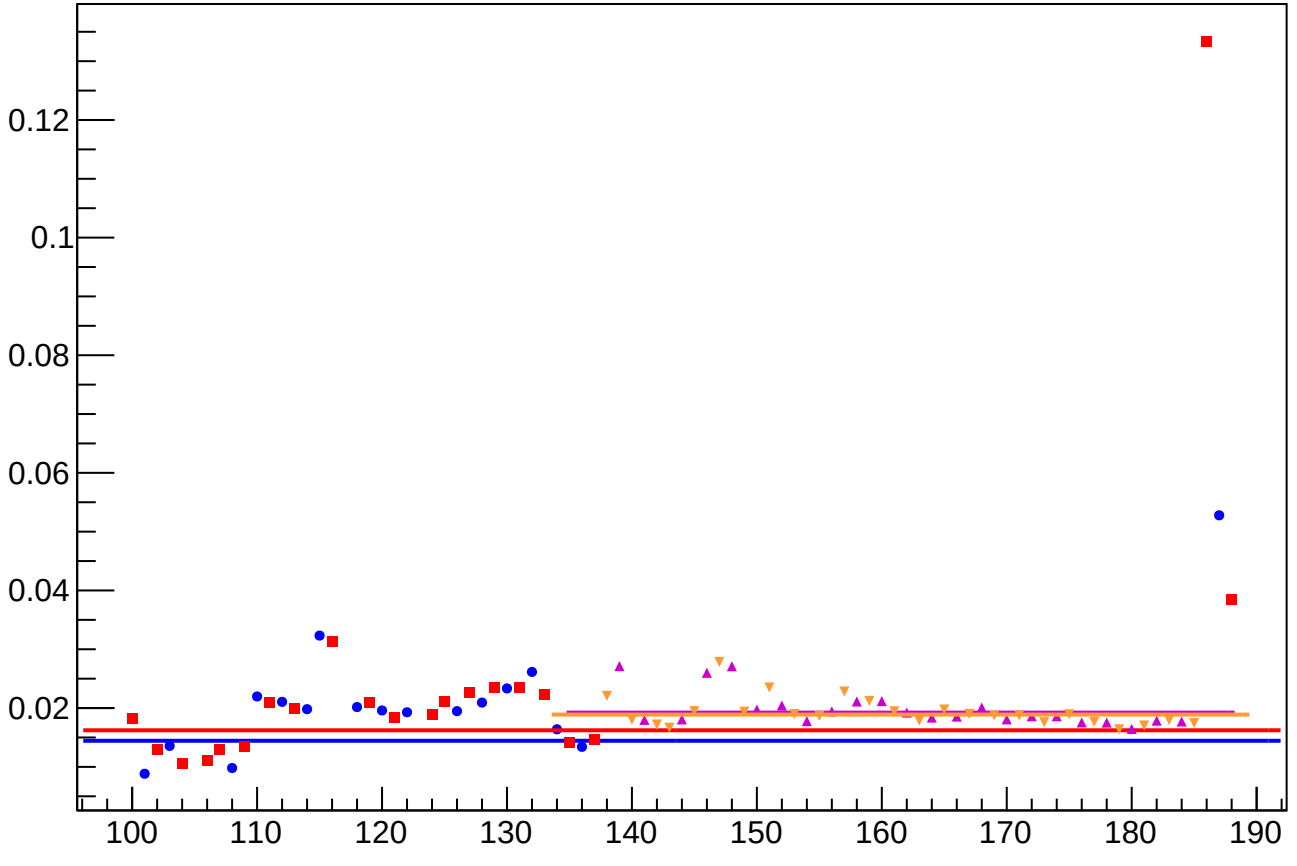
Right: 10.722+/-0.000 χ^2/NDF: 11972657108.5/37

In: 9.702+/-0.000 χ^2/NDF:61542440913.8/39

Out: 9.650+/-0.000 χ^2/NDF:61464598547.5/45

All: 9.675+/-0.000 χ^2/NDF: 123107282791.9

yield_sam6_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 1673896.6/16

Left Out: 0.019+/-0.000 χ^2/NDF:441360.7/24

Right Out: 0.016+/-0.000 χ^2/NDF: 2313688.9/20

Left In: 0.019+/-0.000 χ^2/NDF:540886.4/22

Left: 0.019+/-0.000 χ^2/NDF: 987575.7/47

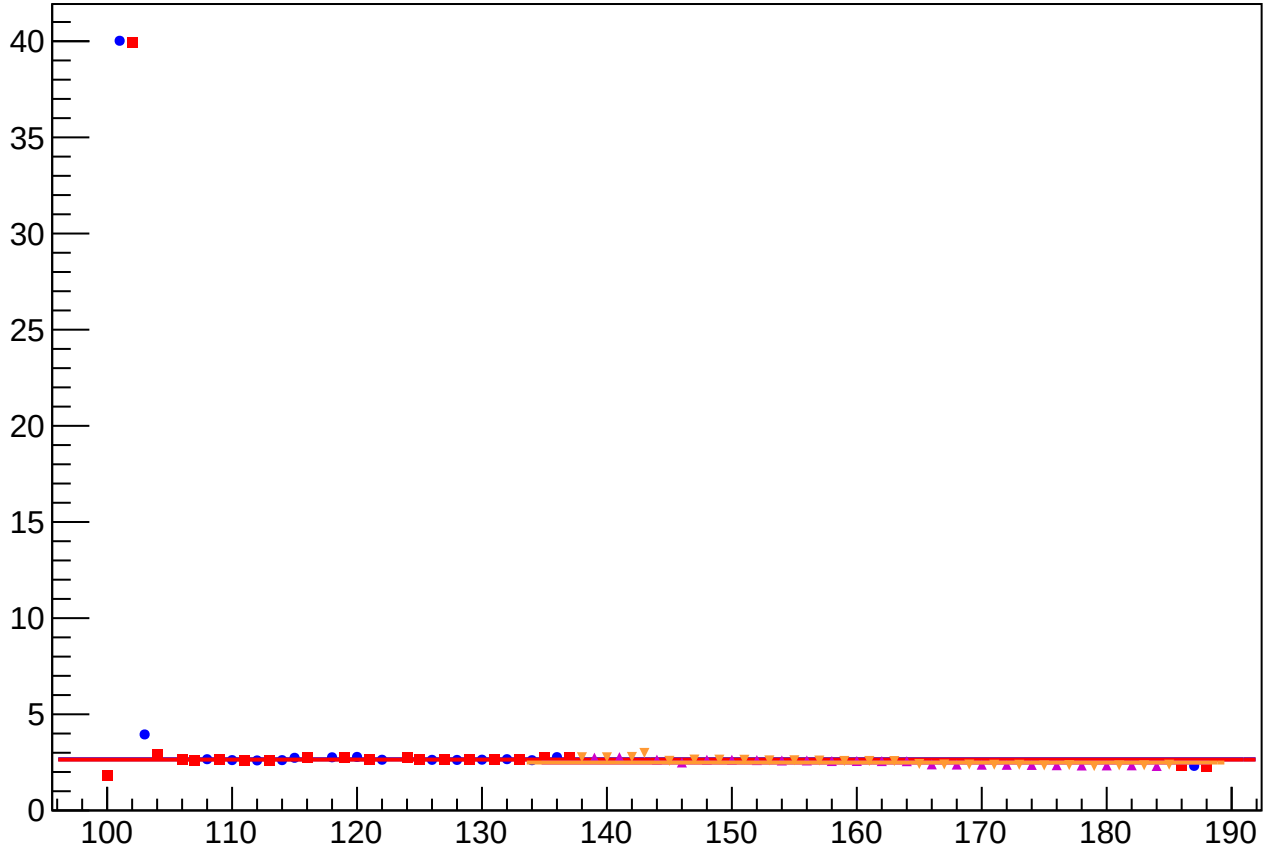
Right: 0.015+/-0.000 χ^2/NDF: 4073084.0/37

In: 0.017+/-0.000 χ^2/NDF:3000269.0/39

Out: 0.018+/-0.000 χ^2/NDF:2998976.3/45

All: 0.018+/-0.000 χ^2/NDF: 6023020.5/85

yield_sam7_mean vs Slug, Sign Corrected



Right In: 2.662+/-0.000 χ^2/NDF: 68576107236.0/16

Left Out: 2.491+/-0.000 χ^2/NDF:92364283353.6/24

Right Out: 2.644+/-0.000 χ^2/NDF: 71271646657.3/20

Left In: 2.489+/-0.000 χ^2/NDF:61212546319.1/22

Left: 2.490+/-0.000 χ^2/NDF: 153590739615.6/47

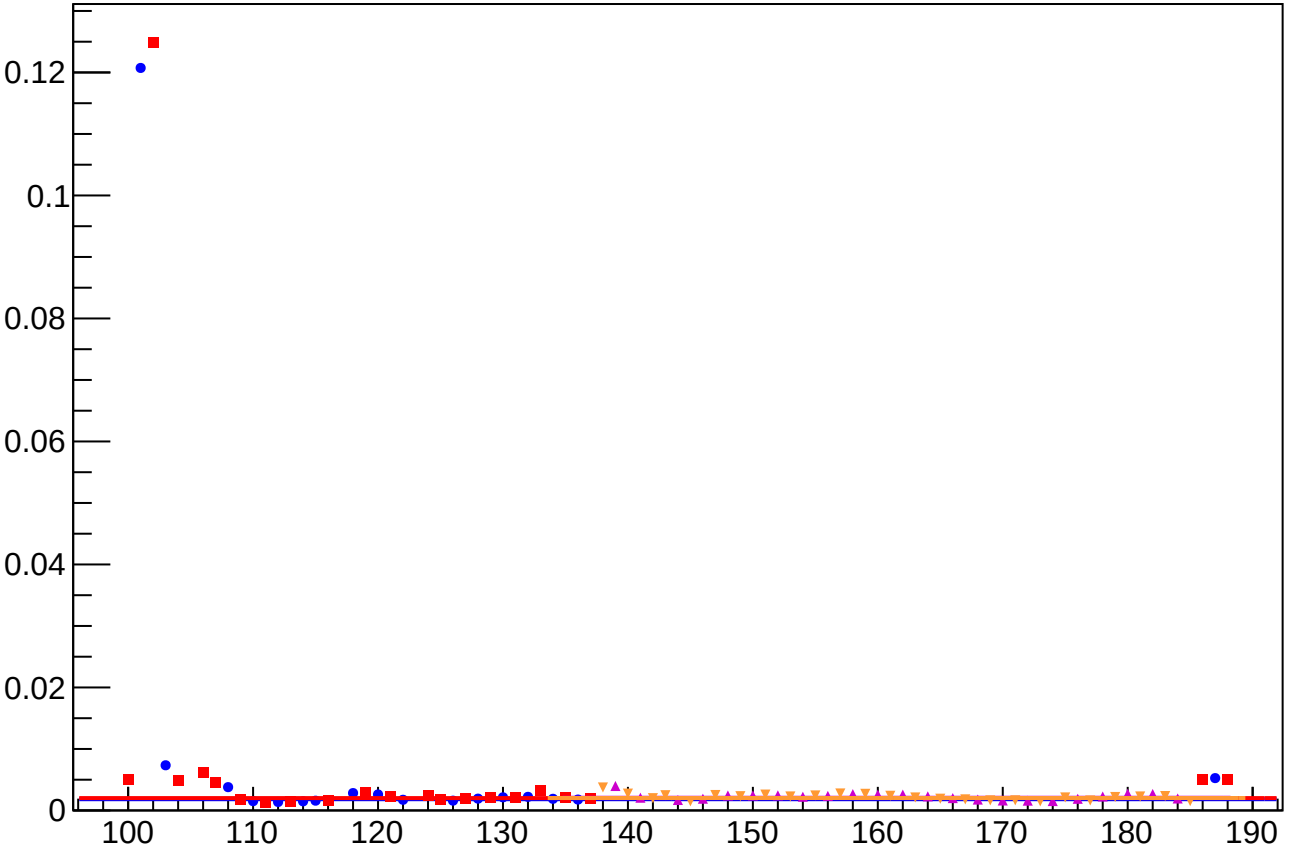
Right: 2.653+/-0.000 χ^2/NDF: 140093850419.6/37

In: 2.540+/-0.000 χ^2/NDF:160556813053.3/39

Out: 2.534+/-0.000 χ^2/NDF:188076173571.8/45

All: 2.537+/-0.000 χ^2/NDF: 348734434791.8

yield_sam7_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 1969174.3/16

Left Out: 0.002+/-0.000 χ^2/NDF:1556481.5/24

Right Out: 0.002+/-0.000 χ^2/NDF: 3490851.3/20

Left In: 0.002+/-0.000 χ^2/NDF:1402331.9/22

Left: 0.002+/-0.000 χ^2/NDF: 2965051.2/47

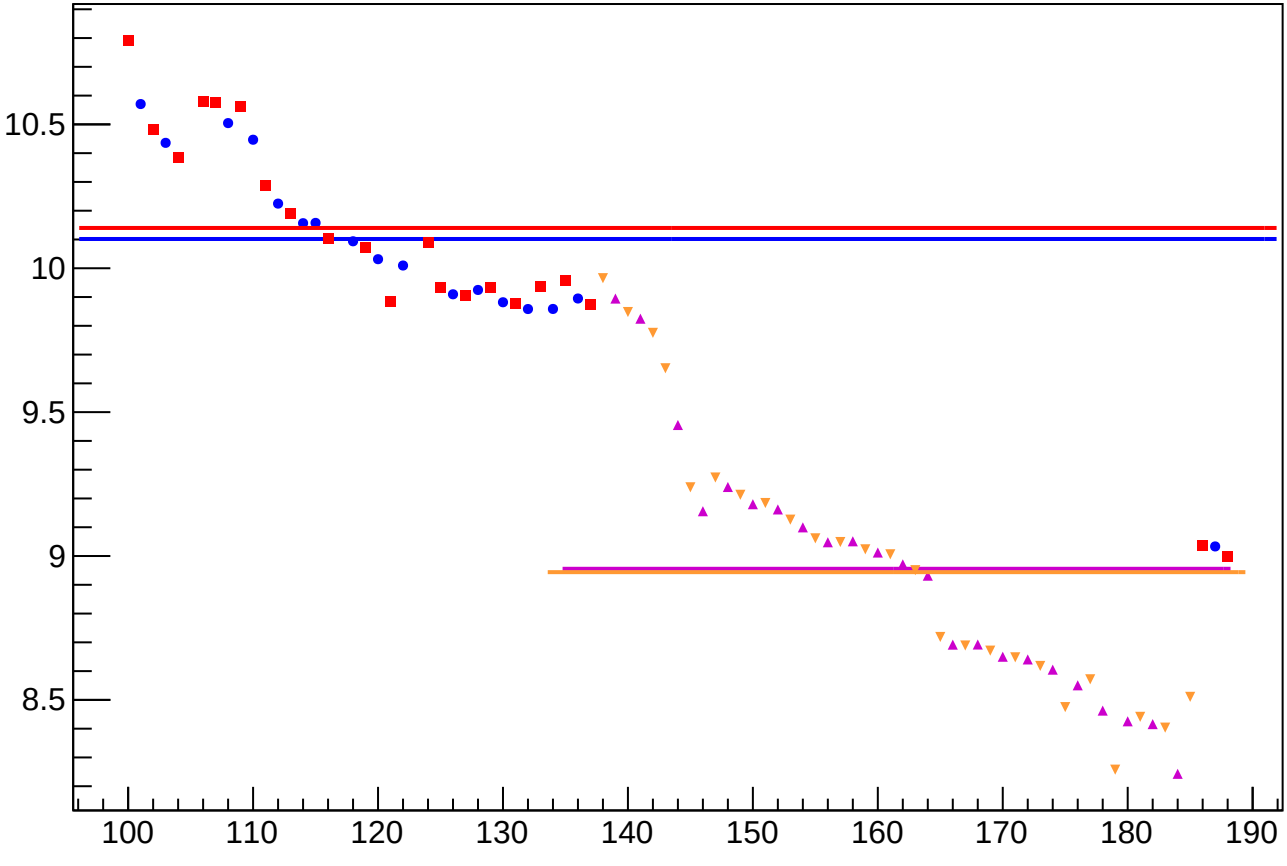
Right: 0.002+/-0.000 χ^2/NDF: 5507689.1/37

In: 0.002+/-0.000 χ^2/NDF:3485970.8/39

Out: 0.002+/-0.000 χ^2/NDF:5047750.9/45

All: 0.002+/-0.000 χ^2/NDF: 8536793.2/85

yield_sam8_mean vs Slug, Sign Corrected



Right In: 10.102+/-0.000 χ^2/NDF: 9959575407.8/16

Left Out: 8.944+/-0.000 χ^2/NDF:65887712966.5/24

Right Out: 10.140+/-0.000 χ^2/NDF: 15977352193.1/20

Left In: 8.956+/-0.000 χ^2/NDF:51572164470.4/22

Left: 8.949+/-0.000 χ^2/NDF: 117486228855.1/47

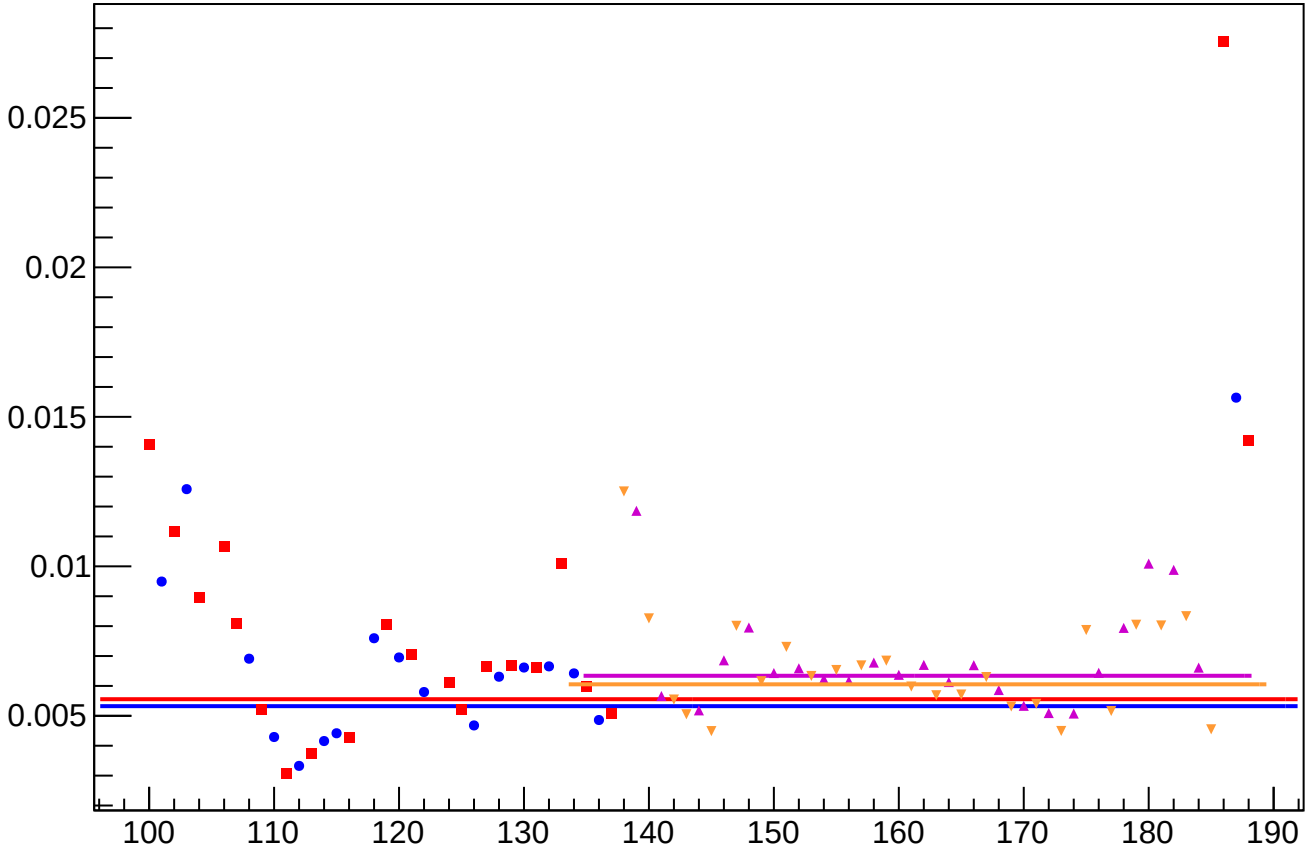
Right: 10.121+/-0.000 χ^2/NDF: 26082378831.8/37

In: 9.356+/-0.000 χ^2/NDF:227566497238.2/39

Out: 9.335+/-0.000 χ^2/NDF:276481877775.8/45

All: 9.345+/-0.000 χ^2/NDF: 504177686768.0

yield_sam8_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 1429534.9/16

Left Out: 0.006+/-0.000 χ^2/NDF:1461022.8/24

Right Out: 0.006+/-0.000 χ^2/NDF: 3022469.5/20

Left In: 0.006+/-0.000 χ^2/NDF:1175260.9/22

Left: 0.006+/-0.000 χ^2/NDF: 2667941.0/47

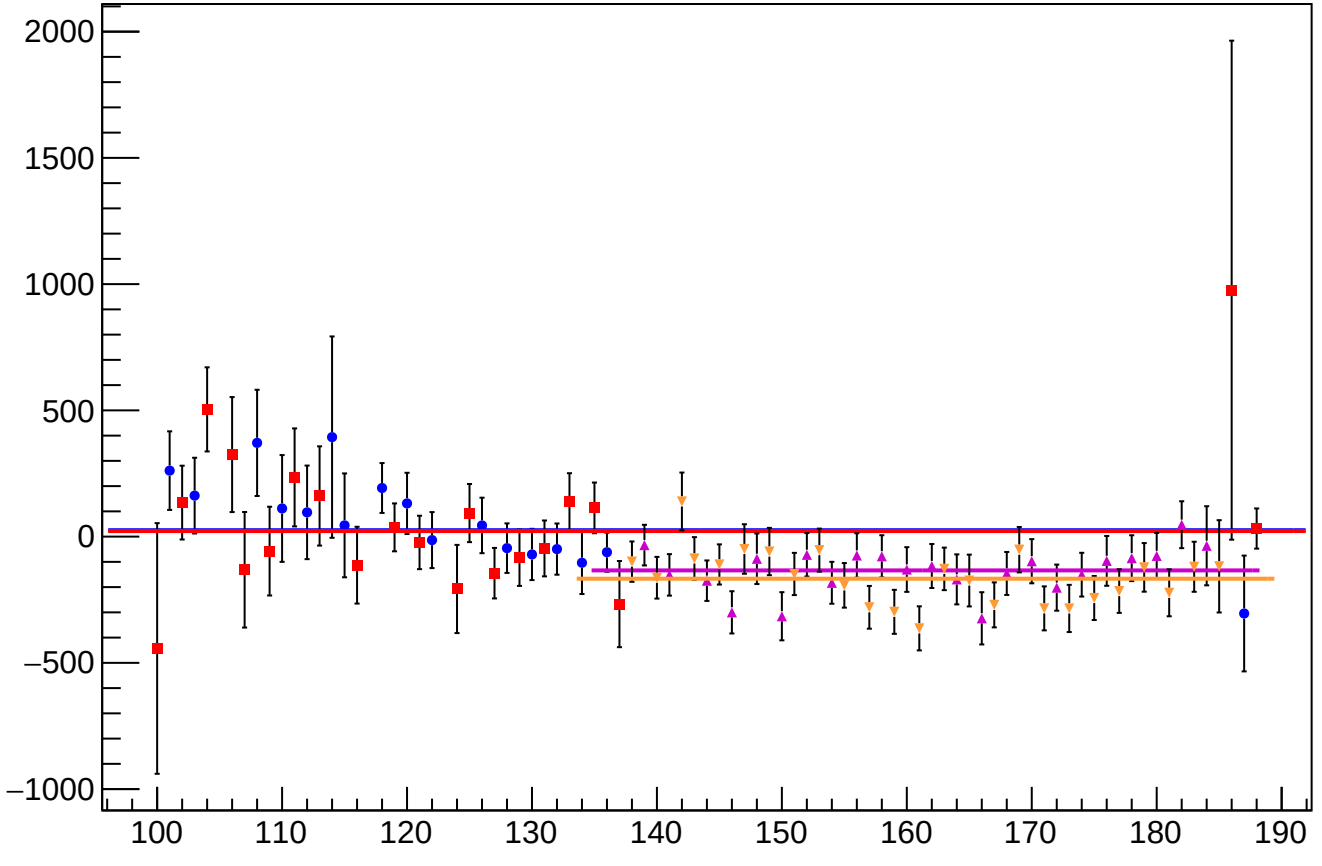
Right: 0.005+/-0.000 χ^2/NDF: 4462728.7/37

In: 0.006+/-0.000 χ^2/NDF:2865869.2/39

Out: 0.006+/-0.000 χ^2/NDF:4550871.9/45

All: 0.006+/-0.000 χ^2/NDF: 7421884.4/85

reg_asym_sam1_mean vs Slug, Sign Corrected



Right In: 25.306+/-30.513 χ^2/NDF: 17.2/16

Left Out: -166.676+/-18.079 χ^2/NDF:31.6/24

Right Out: 22.031+/-28.920 χ^2/NDF: 26.9/20

Left In: -133.843+/-18.756 χ^2/NDF:20.7/22

Left: -150.863+/-13.016 χ^2/NDF: 54.0/47

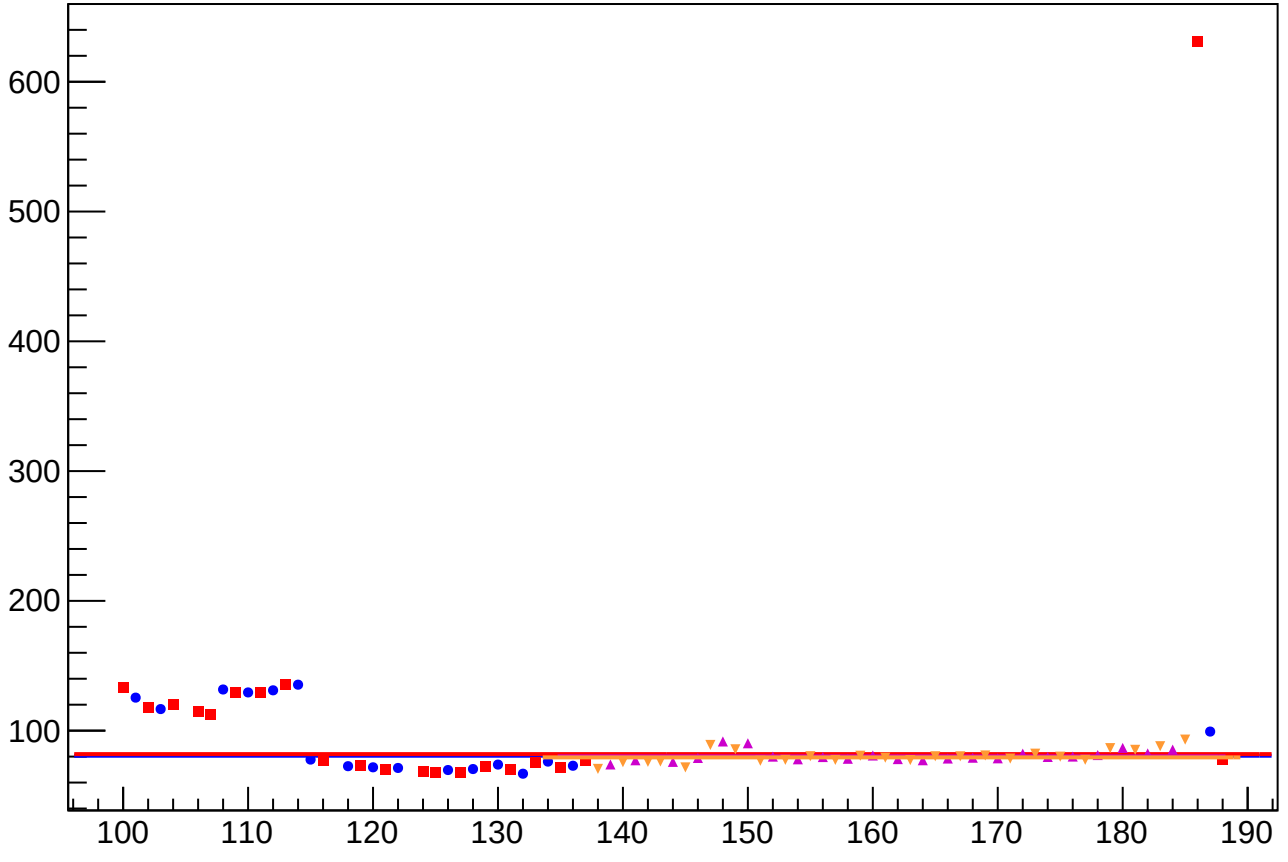
Right: 23.580+/-20.990 χ^2/NDF: 44.0/37

In: -90.200+/-15.978 χ^2/NDF:57.7/39

Out: -113.651+/-15.330 χ^2/NDF:89.1/45

All: -102.411+/-11.062 χ^2/NDF: 147.9/85

reg_asym_sam1_rms vs Slug, Sign Corrected



Right In: 80.689+/-0.022 χ^2/NDF: 853442.1/16

Left Out: 79.410+/-0.013 χ^2/NDF:134796.0/24

Right Out: 81.922+/-0.020 χ^2/NDF: 1554865.4/20

Left In: 80.160+/-0.013 χ^2/NDF:91469.5/22

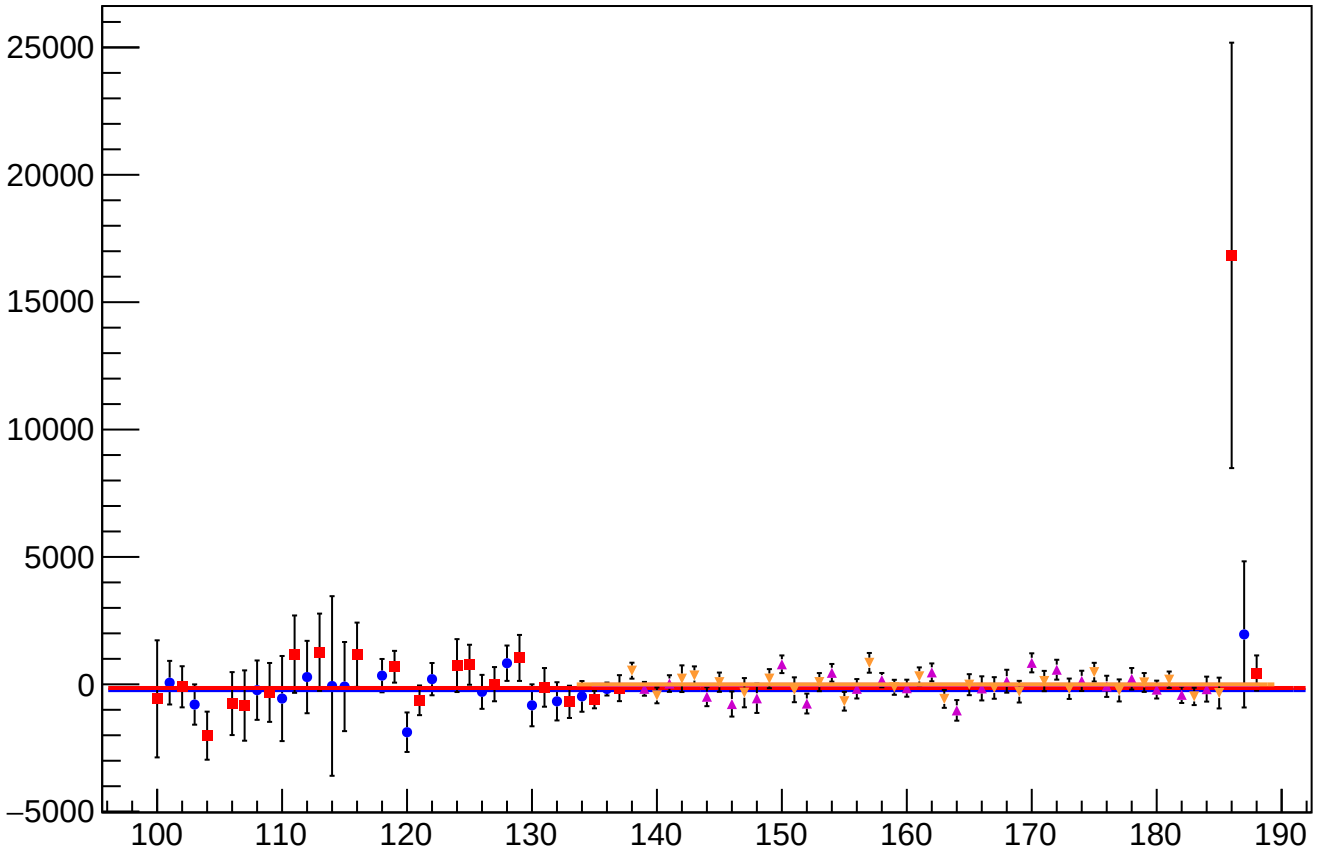
Left: 79.771+/-0.009 χ^2/NDF: 227922.3/47

Right: 81.338+/-0.015 χ^2/NDF: 2410025.9/37

In: 80.305+/-0.011 χ^2/NDF:945348.2/39

Out: 80.116+/-0.011 χ^2/NDF:1700504.6/45

All: 80.207+/-0.008 χ^2/NDF: 2645998.8/85



Right In: -228.391+/-163.499 χ^2/NDF: 10.5/16

Left Out: -3.474+/-75.863 χ^2/NDF:24.0/24

Right Out: -143.849+/-165.406 χ^2/NDF: 20.9/20

Left In: -19.298+/-77.541 χ^2/NDF:35.0/22

Left: -11.213+/-54.227 χ^2/NDF: 59.1/47

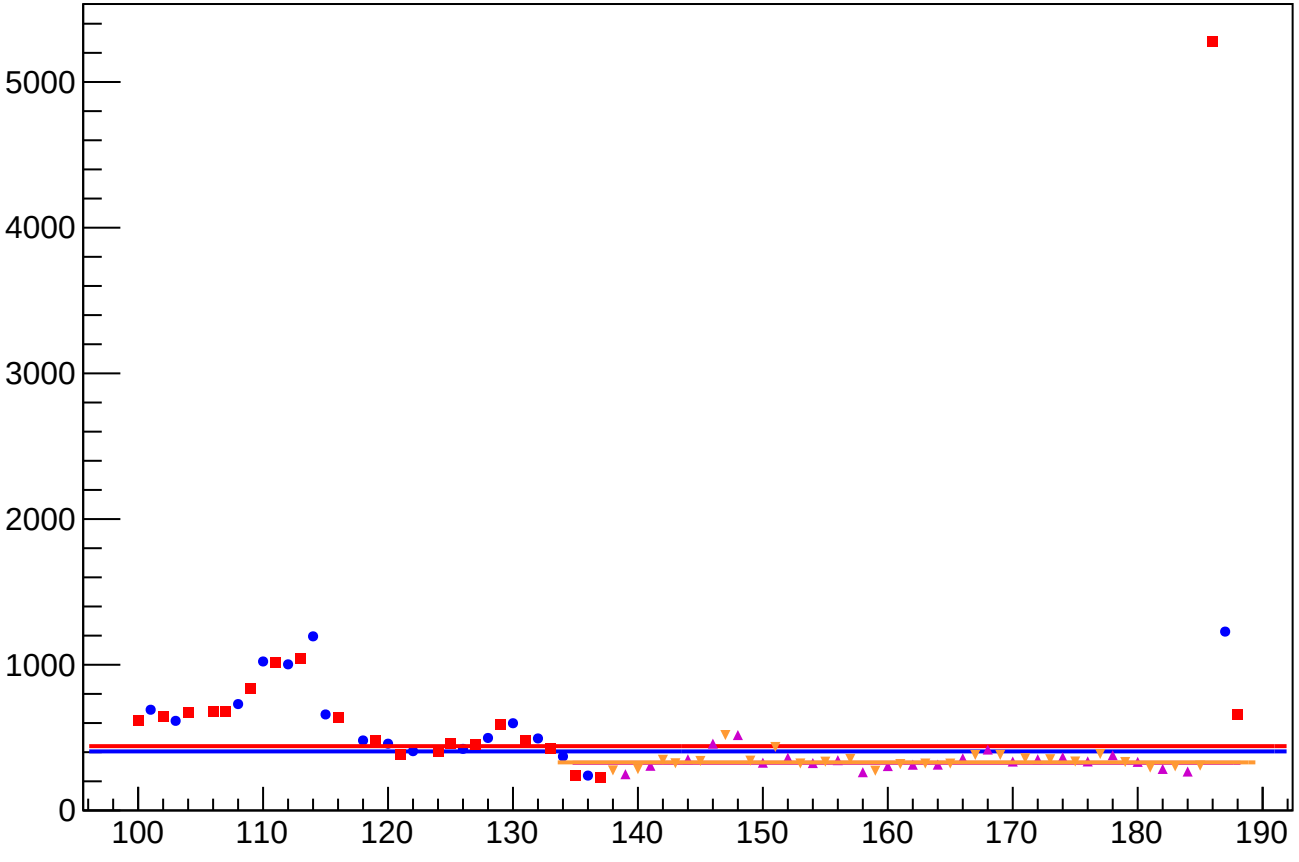
Right: -186.610+/-116.279 χ^2/NDF: 31.5/37

In: -57.692+/-70.061 χ^2/NDF:46.9/39

Out: -27.871+/-68.956 χ^2/NDF:45.5/45

All: -42.544+/-49.145 χ^2/NDF: 92.5/85

asym_sam1_reg_correction_rms vs Slug, Sign Corrected



Right In: 405.337+/-0.116 χ^2/NDF: 2524944.9/16

Left Out: 329.968+/-0.054 χ^2/NDF:659241.4/24

Right Out: 441.359+/-0.117 χ^2/NDF: 3258105.9/20

Left In: 326.963+/-0.055 χ^2/NDF:899326.3/22

Left: 328.498+/-0.038 χ^2/NDF: 1560101.8/47

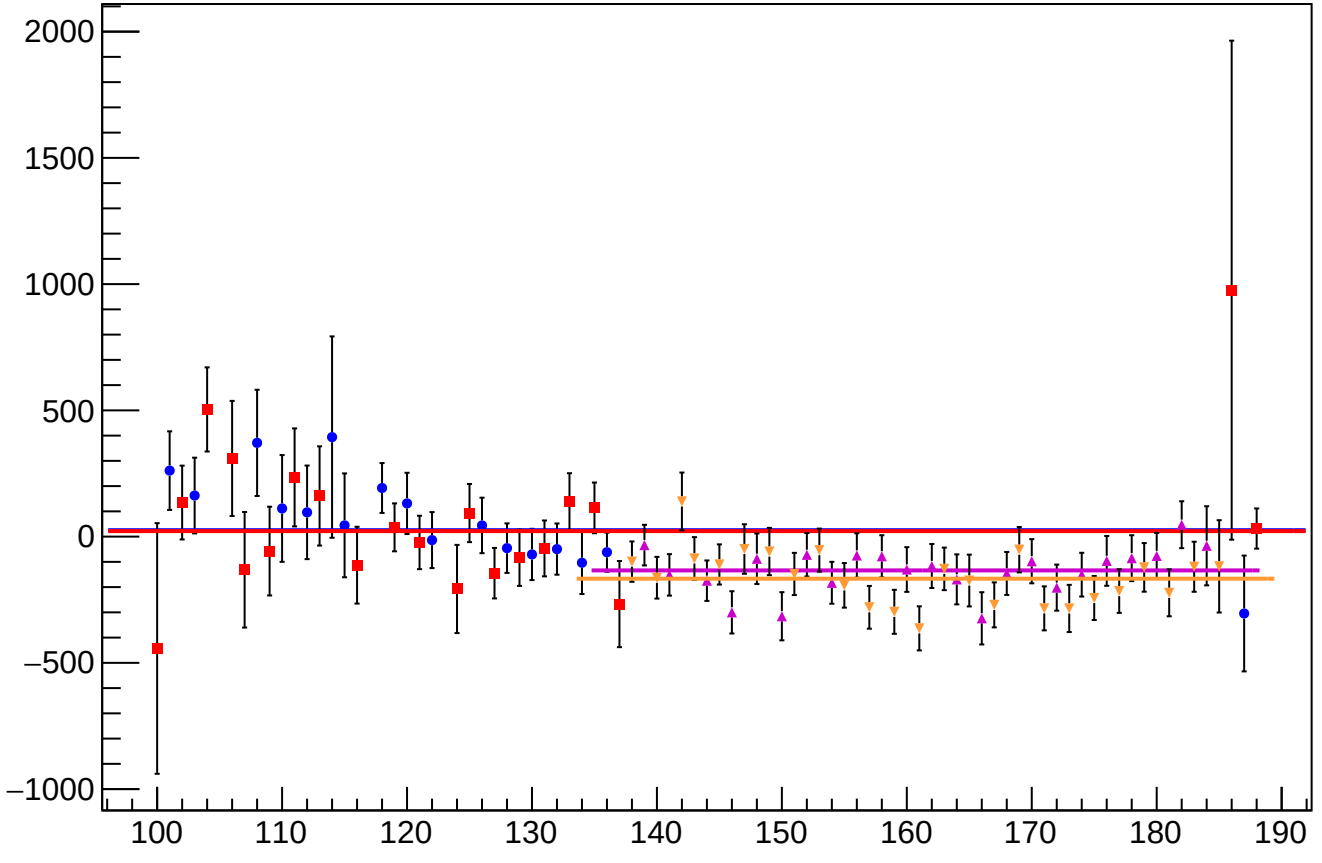
Right: 423.139+/-0.082 χ^2/NDF: 5831027.1/37

In: 341.354+/-0.050 χ^2/NDF:3799450.2/39

Out: 349.327+/-0.049 χ^2/NDF:4666750.6/45

All: 345.404+/-0.035 χ^2/NDF: 8479356.7/85

cor_asym_sam1_mean vs Slug, Sign Corrected



Right In: 25.316+/-30.513 χ^2/NDF: 17.2/16

Left Out: -166.675+/-18.079 χ^2/NDF:31.6/24

Right Out: 21.777+/-28.920 χ^2/NDF: 26.7/20

Left In: -133.850+/-18.756 χ^2/NDF:20.7/22

Left: -150.865+/-13.016 χ^2/NDF: 54.0/47

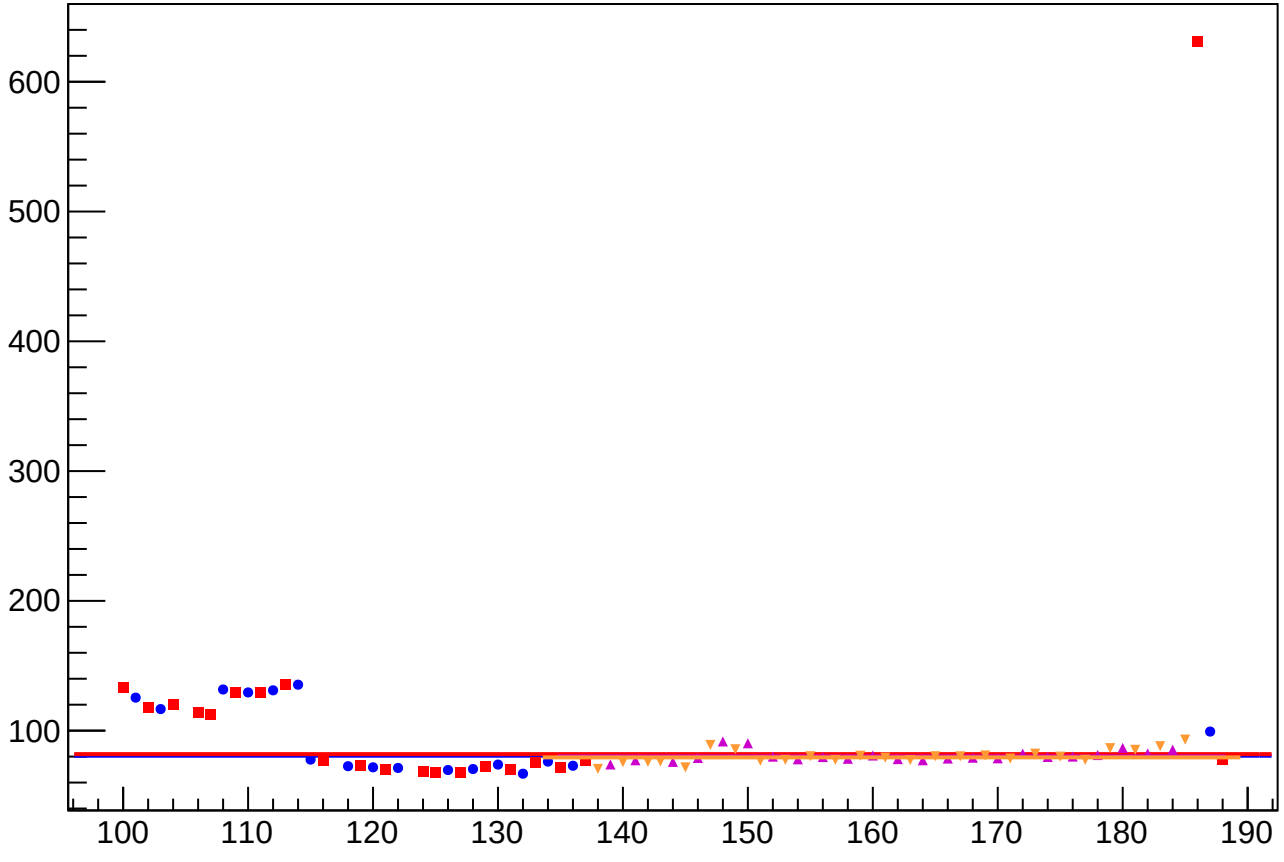
Right: 23.452+/-20.990 χ^2/NDF: 43.9/37

In: -90.202+/-15.978 χ^2/NDF:57.7/39

Out: -113.724+/-15.330 χ^2/NDF:88.8/45

All: -102.450+/-11.062 χ^2/NDF: 147.7/85

cor_asym_sam1_rms vs Slug, Sign Corrected



Right In: 80.689+/-0.022 χ^2/NDF: 853442.2/16

Left Out: 79.410+/-0.013 χ^2/NDF:134796.1/24

Right Out: 81.909+/-0.020 χ^2/NDF: 1552989.8/20

Left In: 80.160+/-0.013 χ^2/NDF:91469.5/22

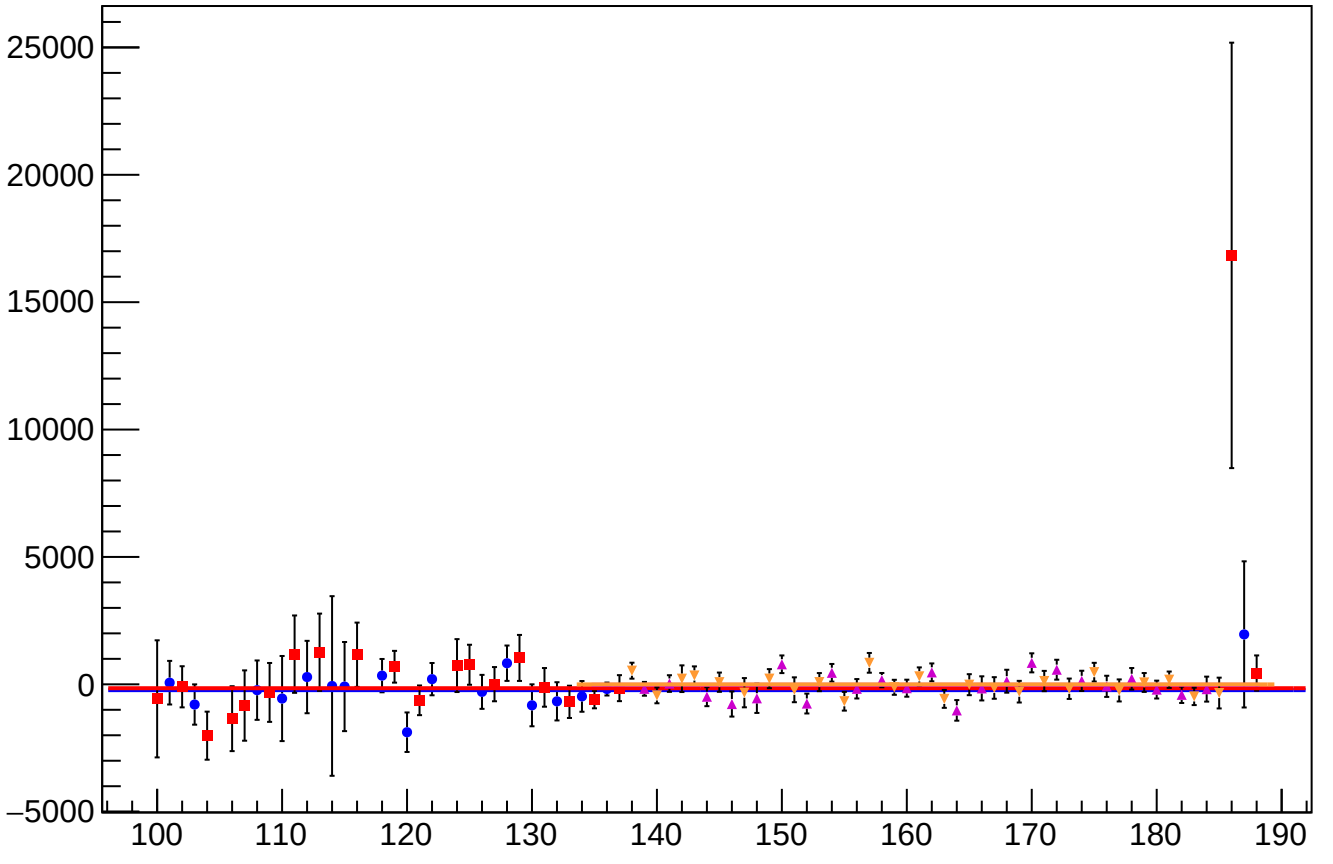
Left: 79.771+/-0.009 χ^2/NDF: 227922.4/47

Right: 81.332+/-0.015 χ^2/NDF: 2408114.2/37

In: 80.305+/-0.011 χ^2/NDF:945348.3/39

Out: 80.112+/-0.011 χ^2/NDF:1698516.3/45

All: 80.205+/-0.008 χ^2/NDF: 2644016.5/85



Right In: -228.389+/-163.499 χ^2/NDF: 10.5/16

Left Out: -3.474+/-75.863 χ^2/NDF:24.0/24

Right Out: -153.188+/-165.495 χ^2/NDF: 21.5/20

Left In: -19.305+/-77.541 χ^2/NDF:35.0/22

Left: -11.216+/-54.227 χ^2/NDF: 59.1/47

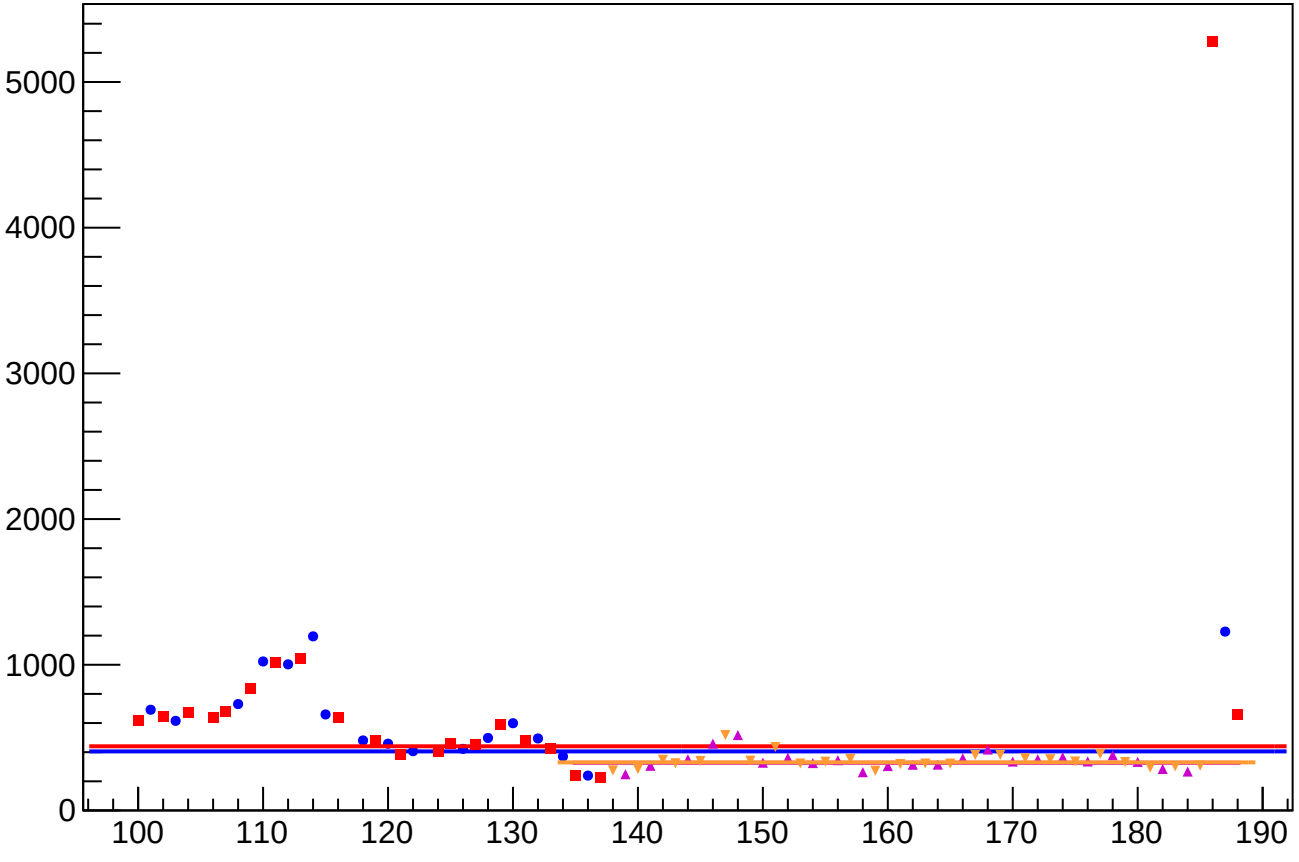
Right: -191.245+/-116.310 χ^2/NDF: 32.2/37

In: -57.697+/-70.061 χ^2/NDF:46.9/39

Out: -29.470+/-68.962 χ^2/NDF:46.2/45

All: -43.361+/-49.148 χ^2/NDF: 93.2/85

asym_sam1_cor_correction_rms vs Slug, Sign Corrected



Right In: 405.338+/-0.116 χ^2/NDF: 2524939.7/16

Left Out: 329.968+/-0.054 χ^2/NDF:659249.8/24

Right Out: 440.441+/-0.117 χ^2/NDF: 3232426.6/20

Left In: 326.963+/-0.055 χ^2/NDF:899329.3/22

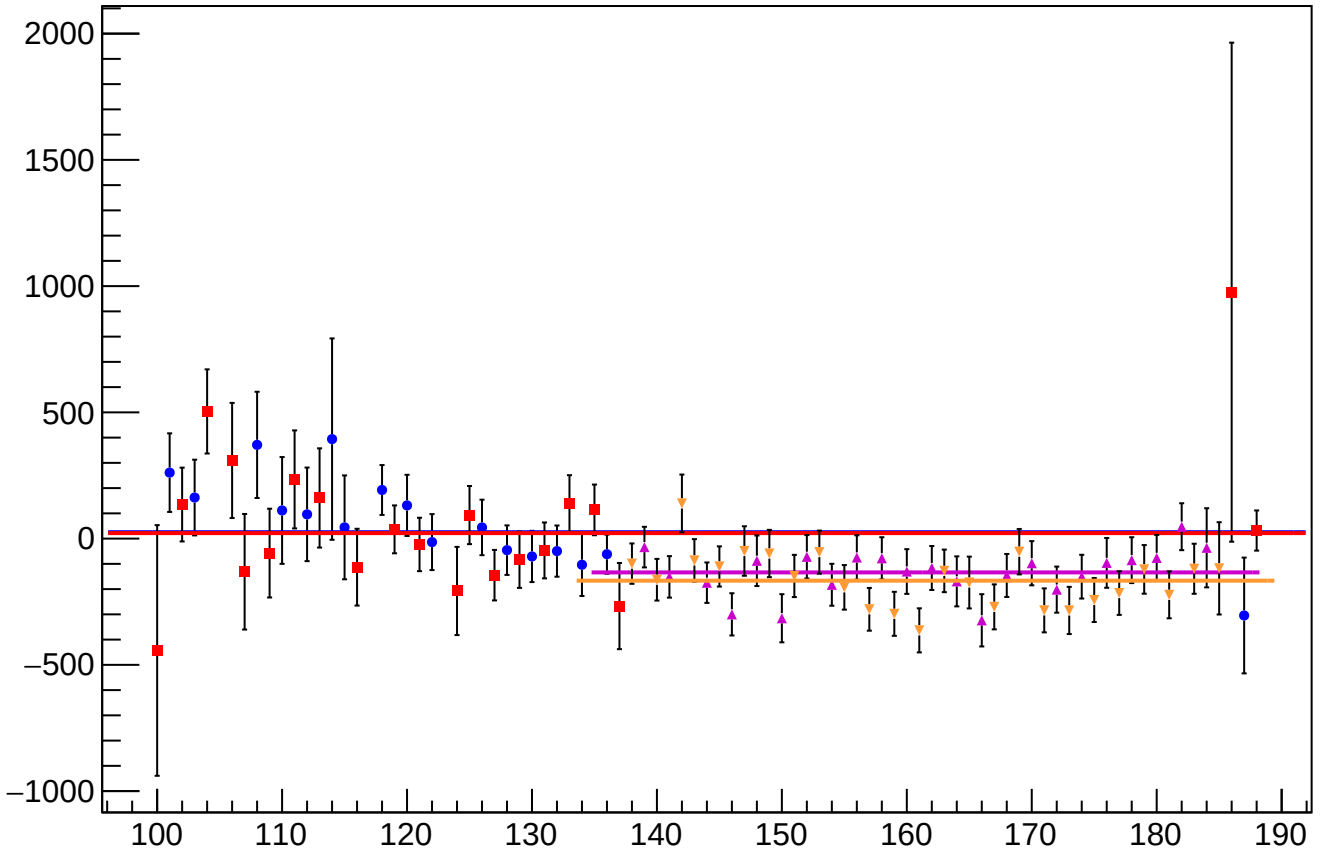
Left: 328.498+/-0.038 χ^2/NDF: 1560113.2/47

Right: 422.676+/-0.082 χ^2/NDF: 5802902.5/37

In: 341.354+/-0.050 χ^2/NDF:3799450.3/39

Out: 349.150+/-0.049 χ^2/NDF:4628119.9/45

All: 345.314+/-0.035 χ^2/NDF: 8440148.0/85



Right In: 25.316+/-30.513 χ^2/NDF: 17.2/16

Left Out: -166.675+/-18.079 χ^2/NDF:31.6/24

Right Out: 21.777+/-28.920 χ^2/NDF: 26.7/20

Left In: -133.850+/-18.756 χ^2/NDF:20.7/22

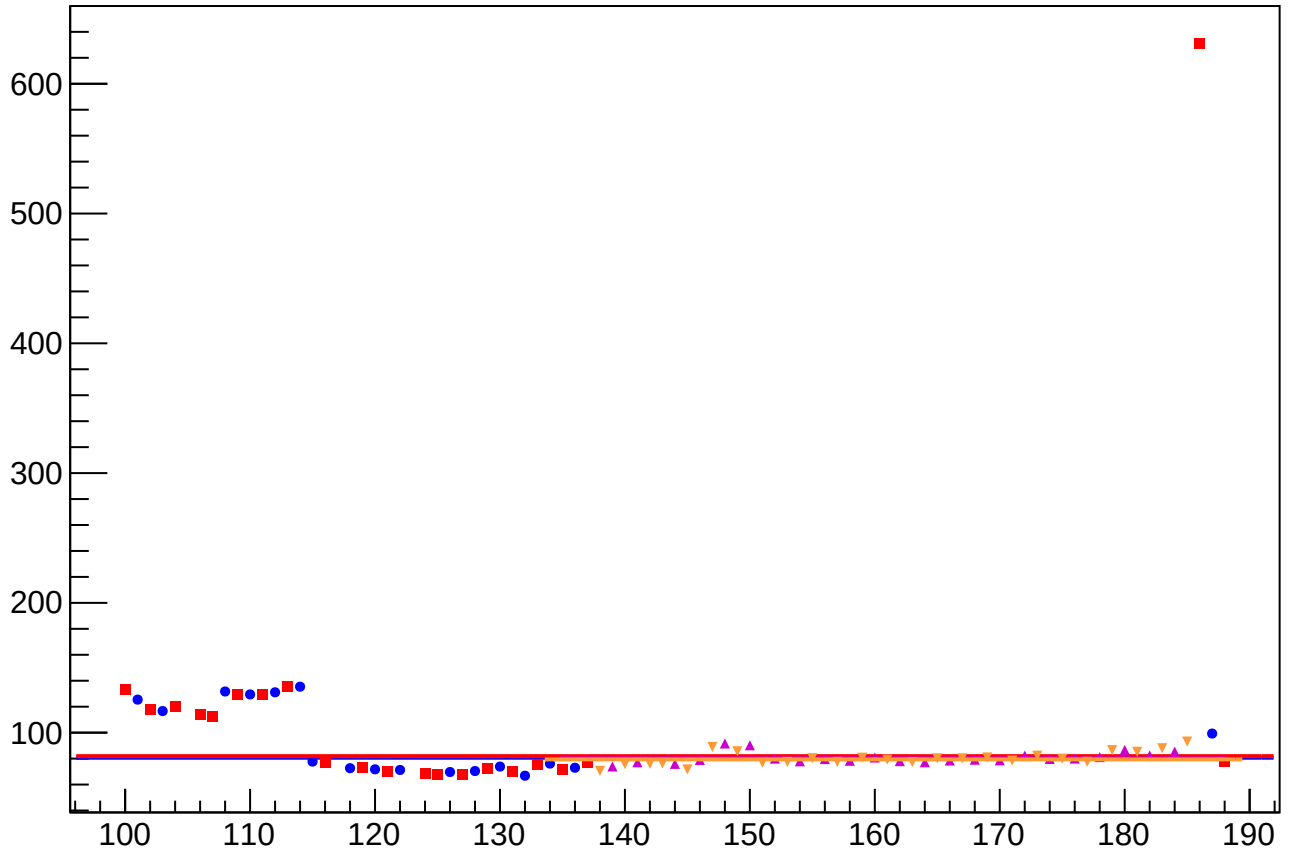
Left: -150.865+/-13.016 χ^2/NDF: 54.0/47

Right: 23.452+/-20.990 χ^2/NDF: 43.9/37

In: -90.202+/-15.978 χ^2/NDF:57.7/39

Out: -113.724+/-15.330 χ^2/NDF:88.8/45

All: -102.450+/-11.062 χ^2/NDF: 147.7/85



Right In: 80.689+/-0.022 χ^2/NDF: 853442.2/16

Left Out: 79.410+/-0.013 χ^2/NDF:134796.1/24

Right Out: 81.909+/-0.020 χ^2/NDF: 1552989.8/20

Left In: 80.160+/-0.013 χ^2/NDF:91469.5/22

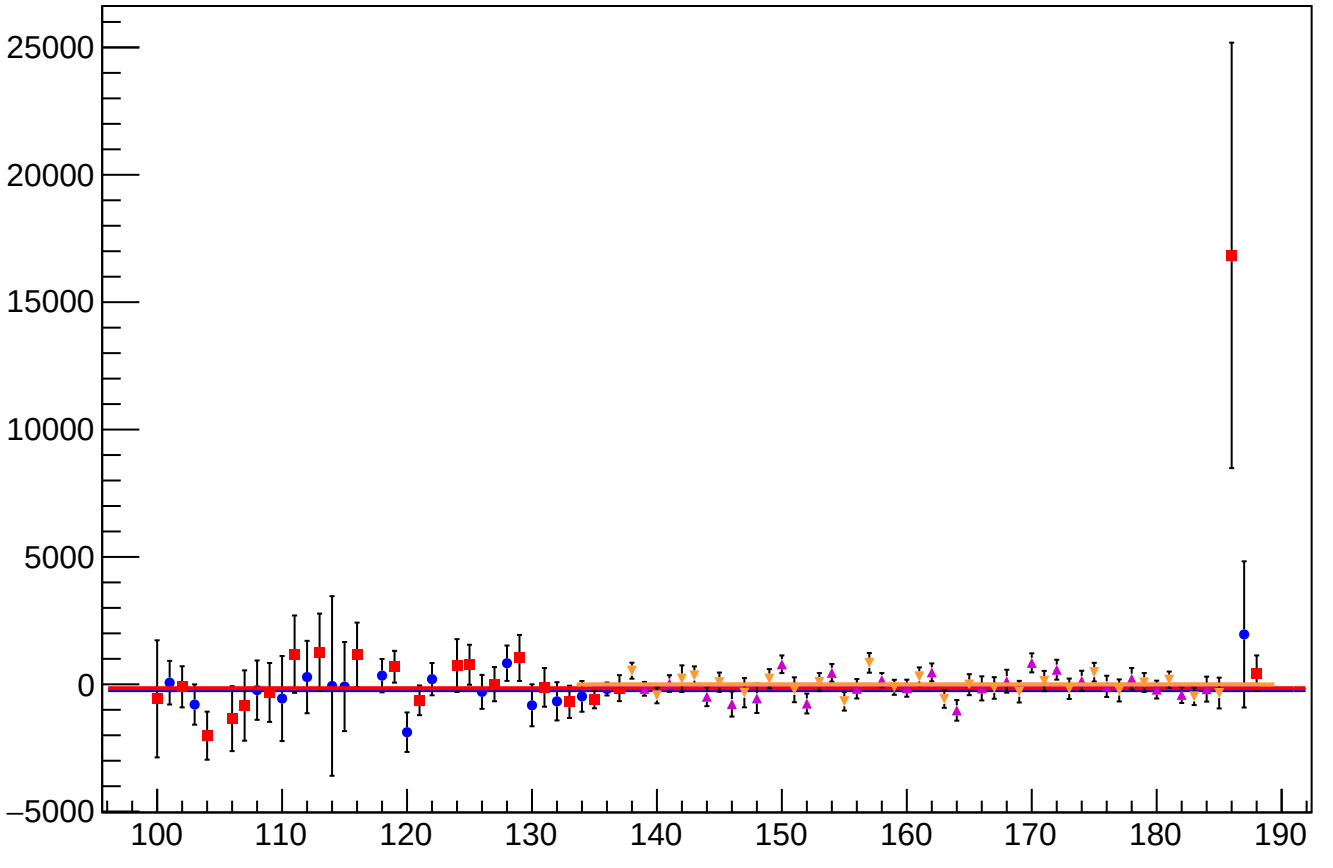
Left: 79.771+/-0.009 χ^2/NDF: 227922.4/47

Right: 81.332+/-0.015 χ^2/NDF: 2408114.2/37

In: 80.305+/-0.011 χ^2/NDF:945348.3/39

Out: 80.112+/-0.011 χ^2/NDF:1698516.3/45

All: 80.205+/-0.008 χ^2/NDF: 2644016.5/85



Right In: -228.389+/-163.499 χ^2/NDF: 10.5/16

Left Out: -3.474+/-75.863 χ^2/NDF:24.0/24

Right Out: -153.188+/-165.495 χ^2/NDF: 21.5/20

Left In: -19.305+/-77.541 χ^2/NDF:35.0/22

Left: -11.216+/-54.227 χ^2/NDF: 59.1/47

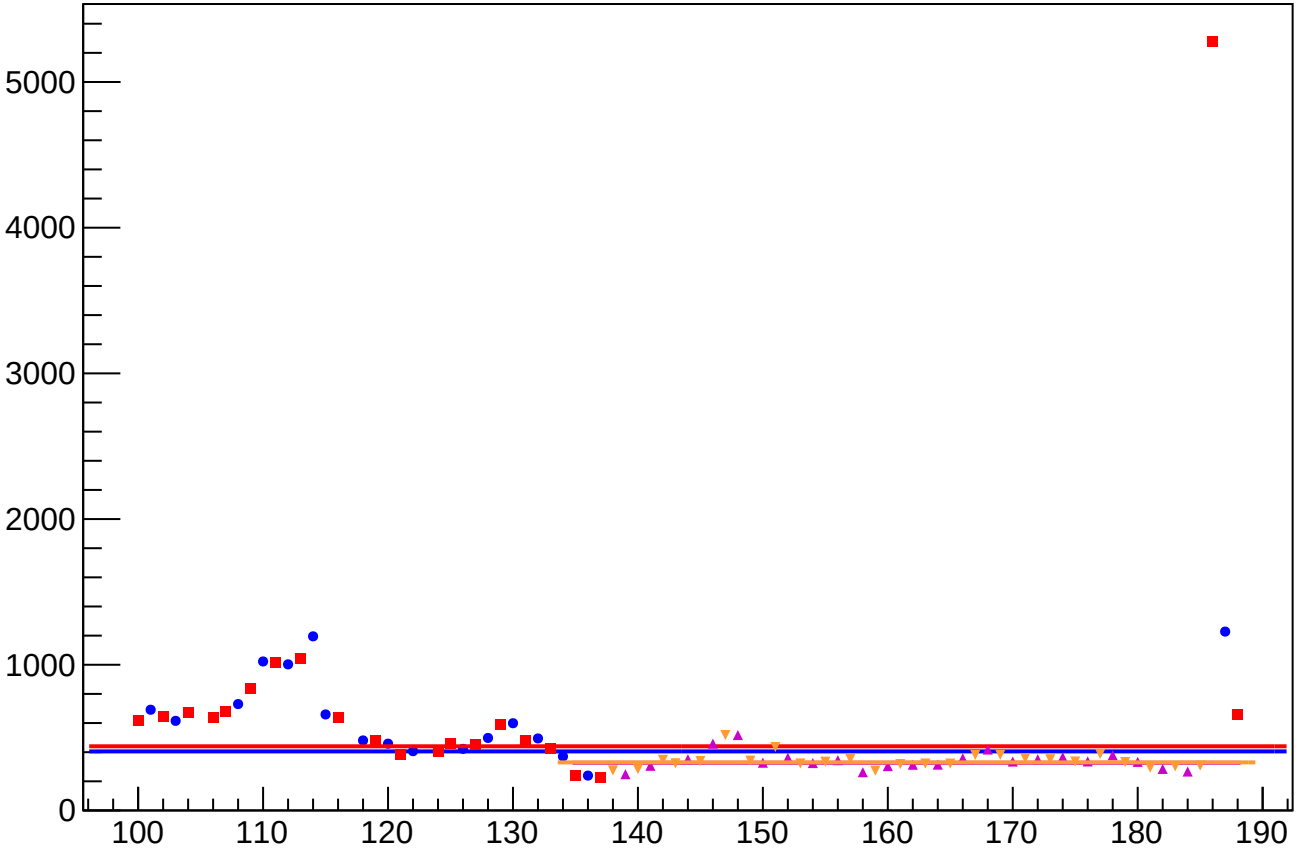
Right: -191.245+/-116.310 χ^2/NDF: 32.2/37

In: -57.697+/-70.061 χ^2/NDF:46.9/39

Out: -29.470+/-68.962 χ^2/NDF:46.2/45

All: -43.361+/-49.148 χ^2/NDF: 93.2/85

asym_sam1_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 405.338+/-0.116 χ^2/NDF: 2524939.7/16

Left Out: 329.968+/-0.054 χ^2/NDF:659249.8/24

Right Out: 440.441+/-0.117 χ^2/NDF: 3232426.6/20

Left In: 326.963+/-0.055 χ^2/NDF:899329.3/22

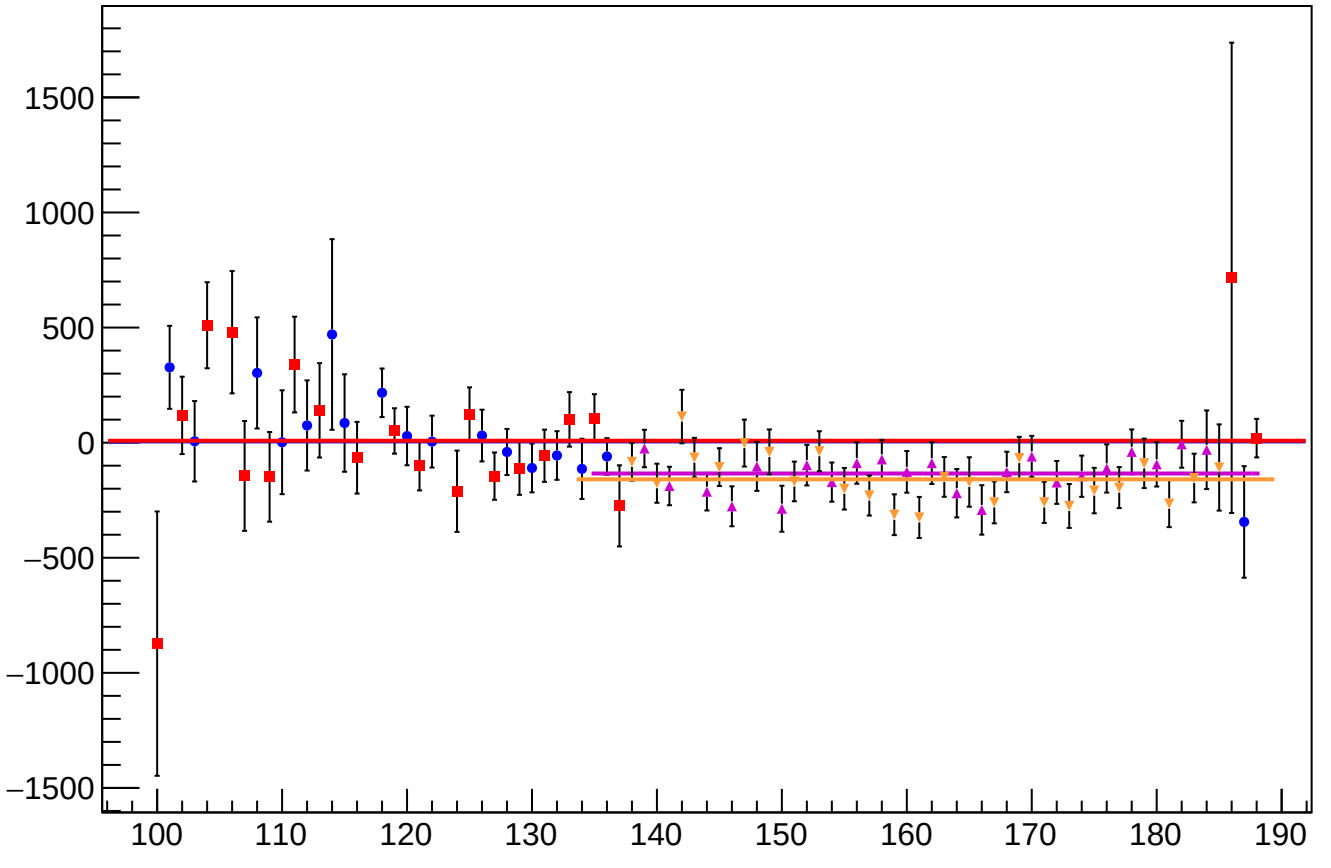
Left: 328.498+/-0.038 χ^2/NDF: 1560113.2/47

Right: 422.676+/-0.082 χ^2/NDF: 5802902.5/37

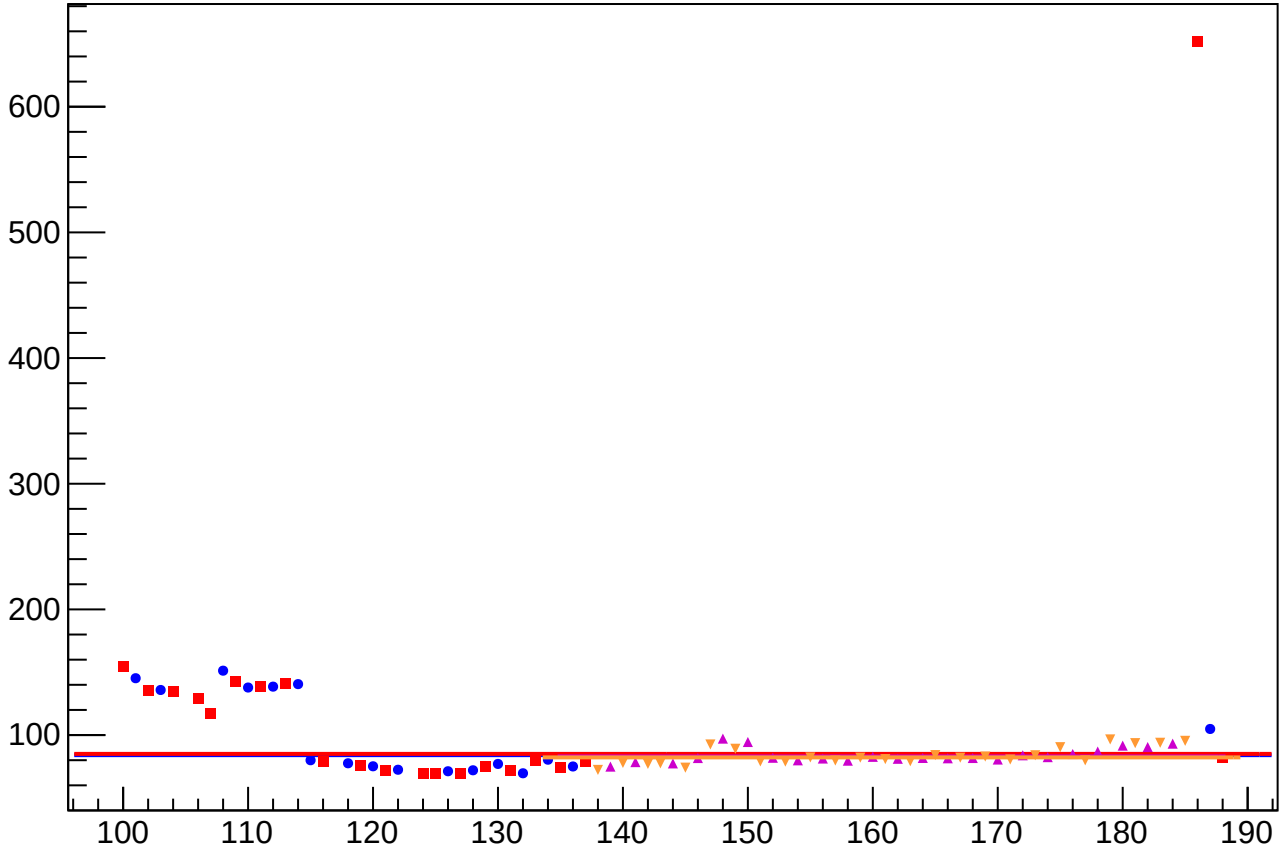
In: 341.354+/-0.050 χ^2/NDF:3799450.3/39

Out: 349.150+/-0.049 χ^2/NDF:4628119.9/45

All: 345.314+/-0.035 χ^2/NDF: 8440148.0/85


dit_asym_sam1_mean vs Slug, Sign Corrected
1500
1000
500
0
−500
−1000
−1500
100
110
120
130
140
150
160
170
180
190
Right In: 5.437+/-32.014 χ²/NDF: 15.6/16
Left Out: -159.223+/-18.749 χ²/NDF:28.2/24
Right Out: 8.248+/-30.238 χ²/NDF: 29.3/20
Left In: -134.010+/-19.441 χ²/NDF:16.4/22
Left: -147.073+/-13.496 χ²/NDF: 45.5/47
Right: 6.923+/-21.983 χ²/NDF: 44.9/37
In: -96.441+/-16.617 χ²/NDF:45.9/39
Out: -112.716+/-15.935 χ²/NDF:79.6/45
All: -104.920+/-11.501 χ²/NDF: 126.0/85

dit_asym_sam1_rms vs Slug, Sign Corrected



Right In: 84.027+/-0.023 χ^2/NDF: 1049841.0/16

Left Out: 82.247+/-0.013 χ^2/NDF:216548.3/24

Right Out: 85.024+/-0.021 χ^2/NDF: 1739945.7/20

Left In: 82.993+/-0.014 χ^2/NDF:145608.6/22

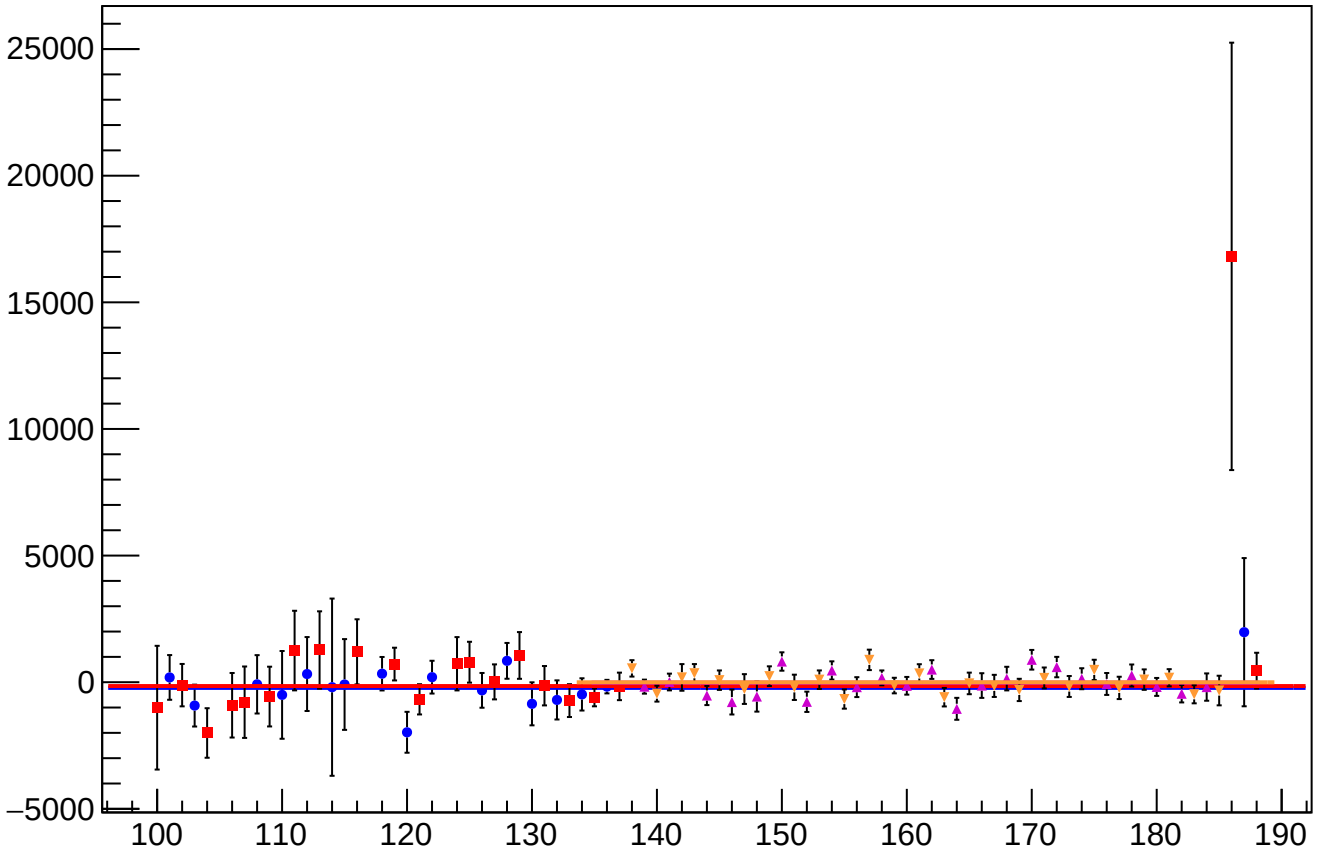
Left: 82.607+/-0.010 χ^2/NDF: 363681.9/47

Right: 84.554+/-0.016 χ^2/NDF: 2790811.0/37

In: 83.272+/-0.012 χ^2/NDF:1196974.1/39

Out: 83.018+/-0.011 χ^2/NDF:1968673.7/45

All: 83.140+/-0.008 χ^2/NDF: 3165890.0/85



Right In: -223.972+/-169.846 χ^2/NDF: 11.0/16

Left Out: -3.095+/-78.582 χ^2/NDF:23.5/24

Right Out: -152.151+/-170.839 χ^2/NDF: 20.7/20

Left In: -16.519+/-80.410 χ^2/NDF:34.9/22

Left: -9.652+/-56.201 χ^2/NDF: 58.4/47

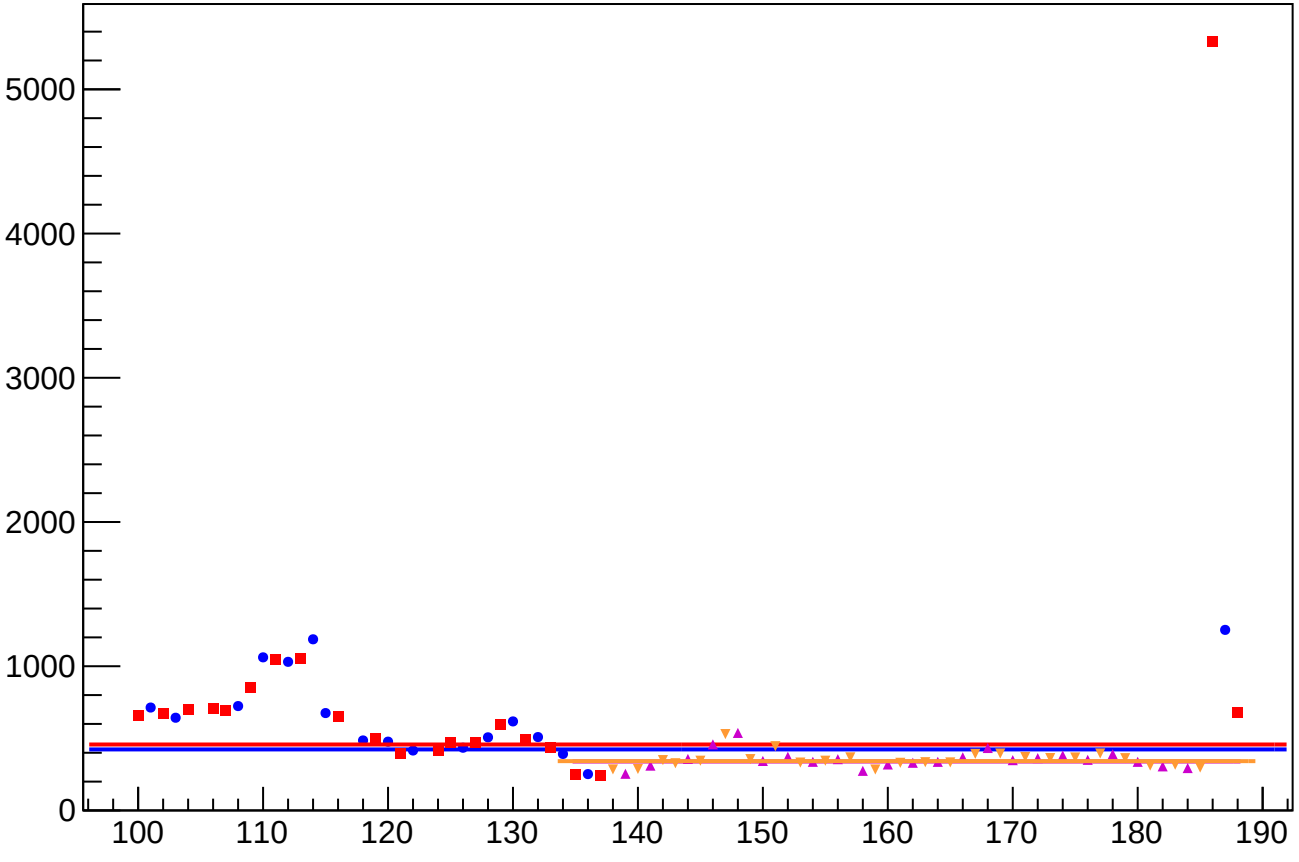
Right: -188.271+/-120.449 χ^2/NDF: 31.8/37

In: -54.503+/-72.676 χ^2/NDF:47.1/39

Out: -29.124+/-71.391 χ^2/NDF:44.9/45

All: -41.587+/-50.930 χ^2/NDF: 92.0/85

asym_sam1_dit_correction_rms vs Slug, Sign Corrected



Right In: 423.131+/-0.120 χ^2/NDF: 2415635.6/16

Left Out: 341.918+/-0.056 χ^2/NDF:653930.4/24

Right Out: 457.333+/-0.121 χ^2/NDF: 3183549.8/20

Left In: 339.430+/-0.057 χ^2/NDF:846706.0/22

Left: 340.702+/-0.040 χ^2/NDF: 1501615.8/47

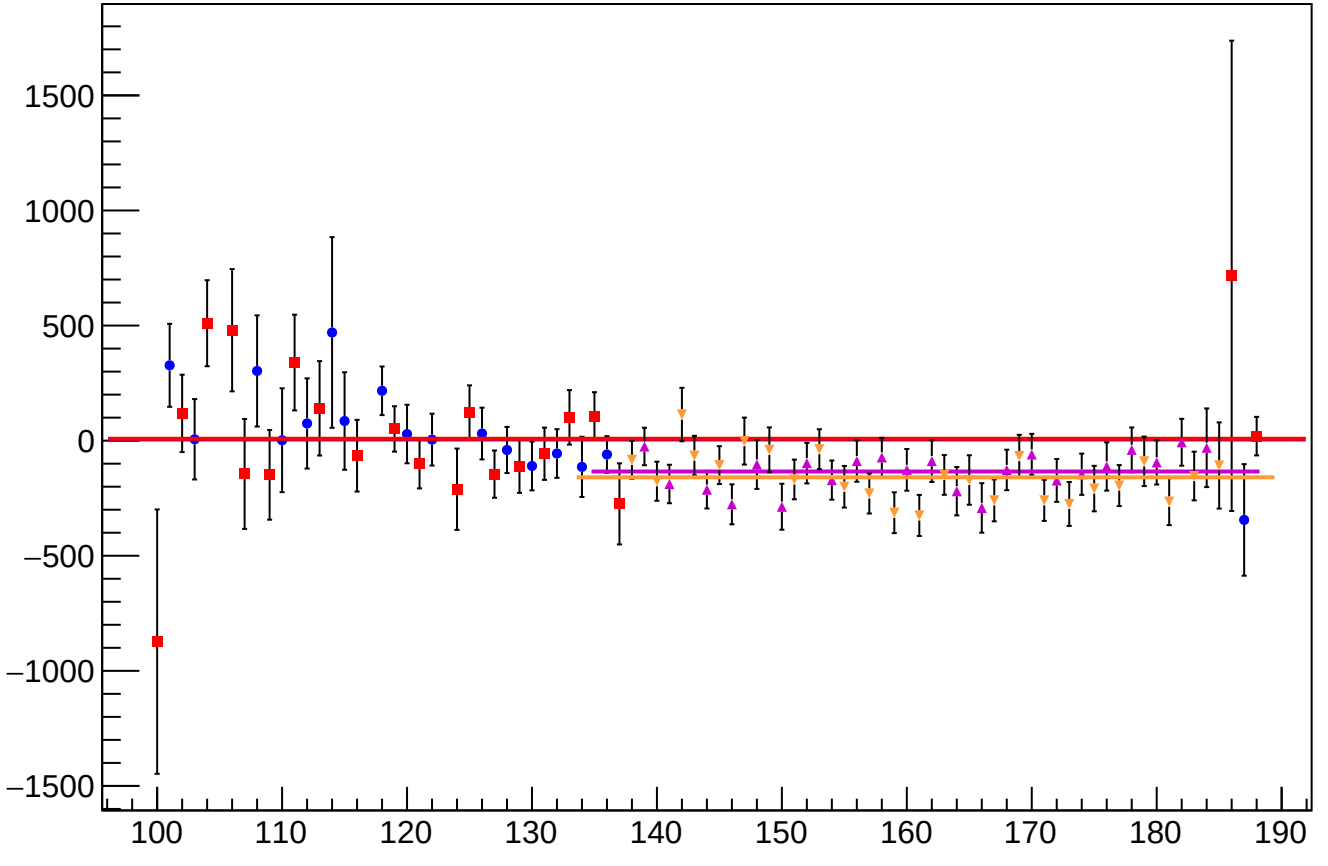
Right: 440.132+/-0.085 χ^2/NDF: 5639498.6/37

In: 354.755+/-0.051 χ^2/NDF:3659129.6/39

Out: 362.073+/-0.050 χ^2/NDF:4590888.7/45

All: 358.479+/-0.036 χ^2/NDF: 8260336.8/85

eigen_dit_asym_sam1_mean vs Slug, Sign Corrected



Right In: 5.438+/-32.014 χ^2/NDF: 15.6/16

Left Out: -159.223+/-18.749 χ^2/NDF:28.2/24

Right Out: 8.248+/-30.238 χ^2/NDF: 29.3/20

Left In: -134.010+/-19.441 χ^2/NDF:16.4/22

Left: -147.073+/-13.496 χ^2/NDF: 45.5/47

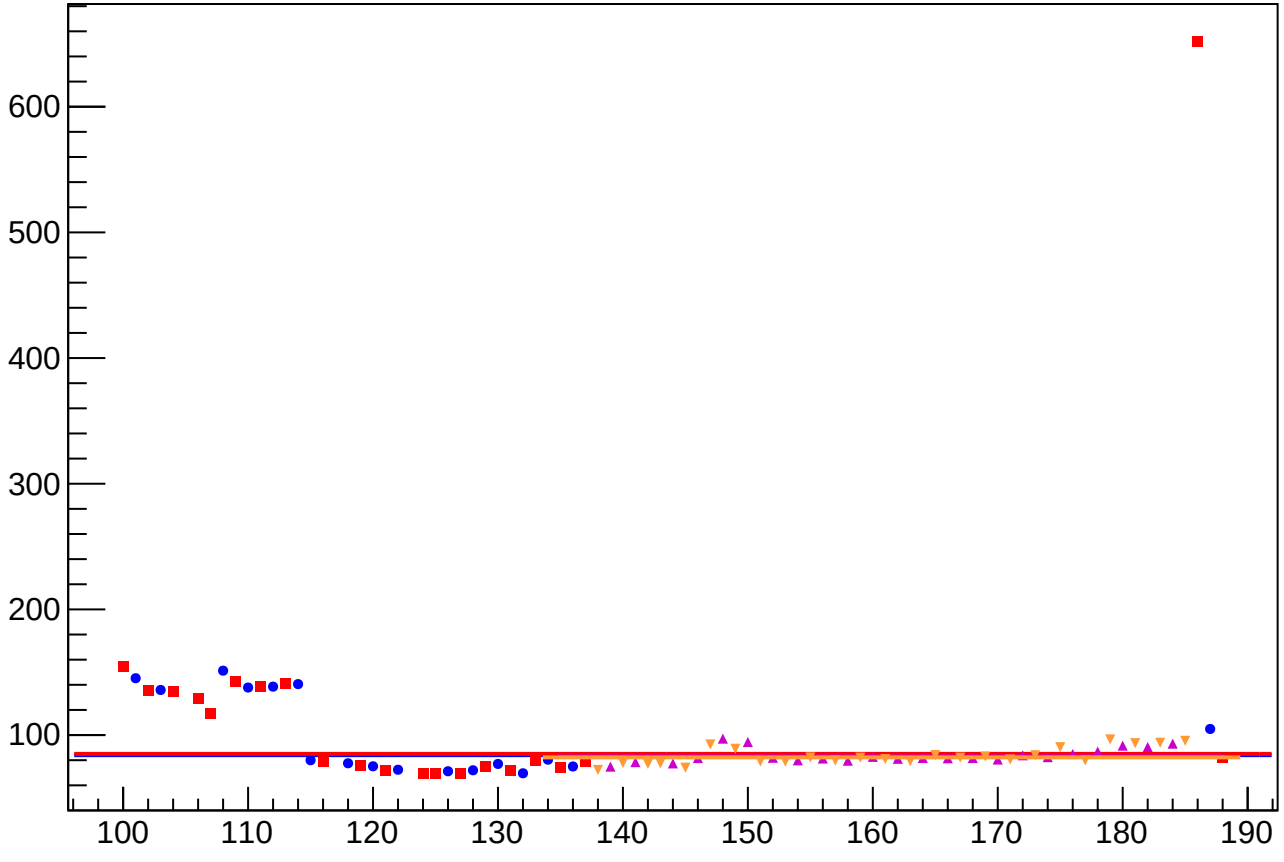
Right: 6.923+/-21.983 χ^2/NDF: 44.9/37

In: -96.441+/-16.617 χ^2/NDF:45.9/39

Out: -112.716+/-15.935 χ^2/NDF:79.6/45

All: -104.919+/-11.501 χ^2/NDF: 126.0/85

eigen_dit_asym_sam1_rms vs Slug, Sign Corrected



Right In: 84.027+/-0.023 χ^2/NDF: 1049840.4/16

Left Out: 82.247+/-0.013 χ^2/NDF:216548.5/24

Right Out: 85.024+/-0.021 χ^2/NDF: 1739945.0/20

Left In: 82.993+/-0.014 χ^2/NDF:145607.1/22

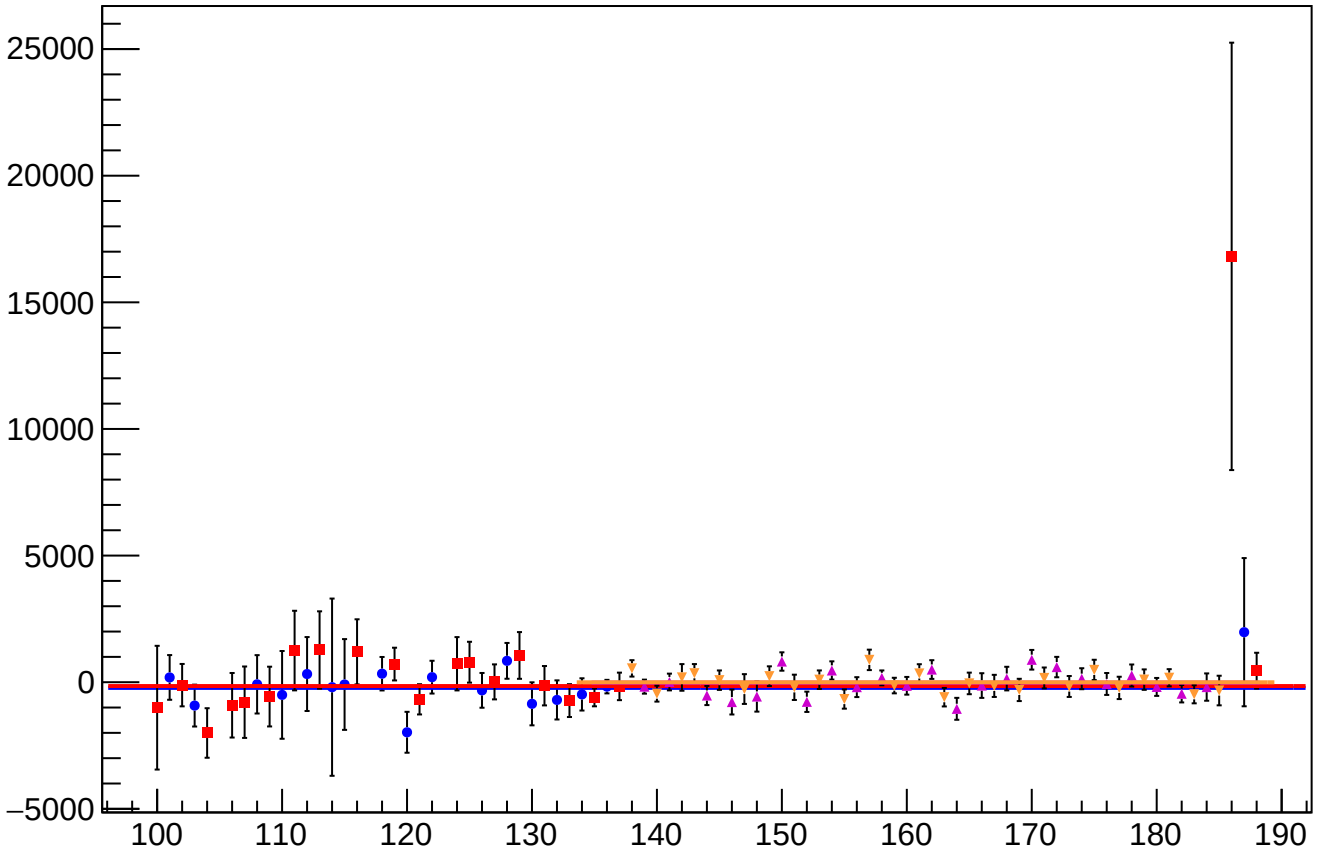
Left: 82.607+/-0.010 χ^2/NDF: 363680.5/47

Right: 84.554+/-0.016 χ^2/NDF: 2790809.7/37

In: 83.272+/-0.012 χ^2/NDF:1196971.9/39

Out: 83.018+/-0.011 χ^2/NDF:1968672.6/45

All: 83.140+/-0.008 χ^2/NDF: 3165886.7/85



Right In: -223.970+/-169.846 χ^2/NDF: 11.0/16

Left Out: -3.094+/-78.582 χ^2/NDF:23.5/24

Right Out: -152.151+/-170.839 χ^2/NDF: 20.7/20

Left In: -16.519+/-80.410 χ^2/NDF:34.9/22

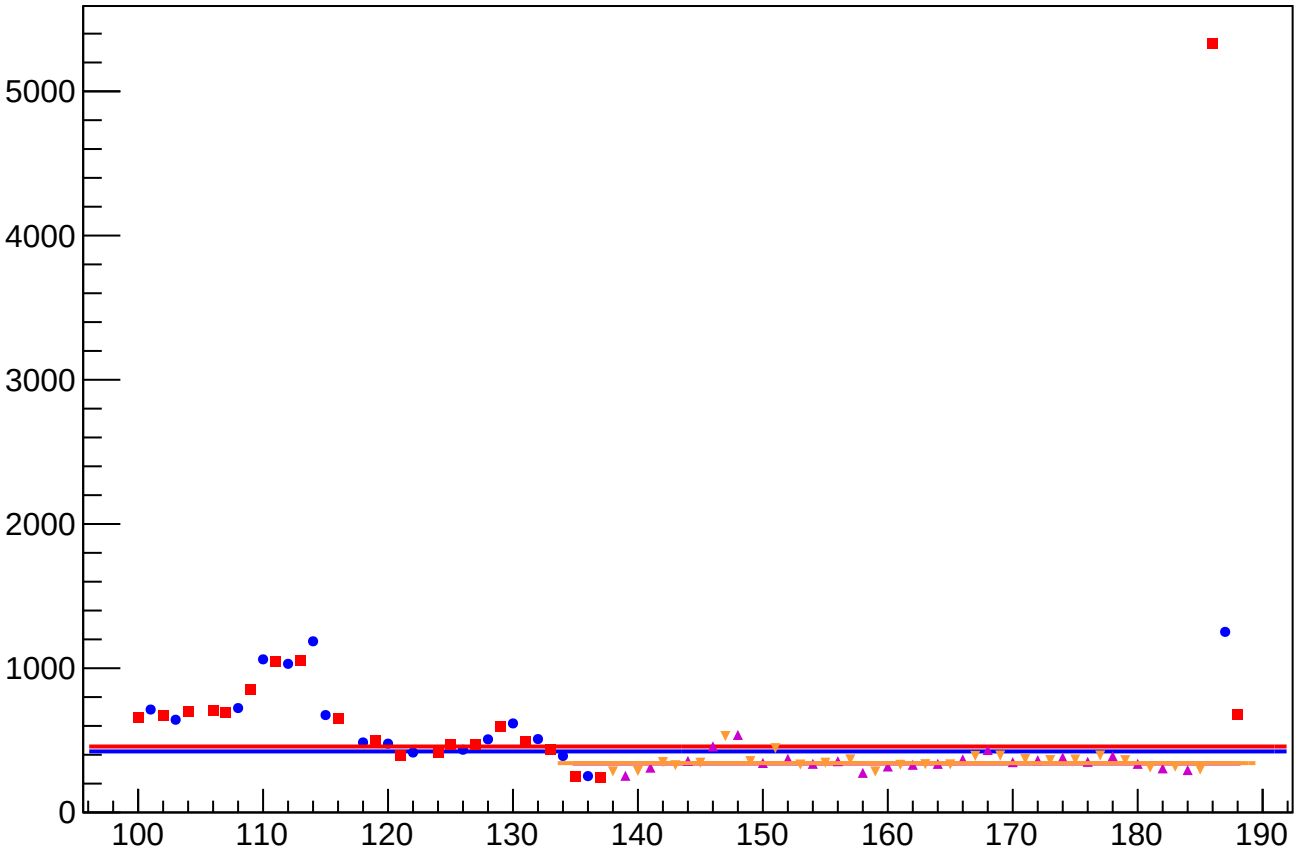
Left: -9.652+/-56.201 χ^2/NDF: 58.4/47

Right: -188.270+/-120.449 χ^2/NDF: 31.8/37

In: -54.502+/-72.676 χ^2/NDF:47.1/39

Out: -29.124+/-71.391 χ^2/NDF:44.9/45

All: -41.587+/-50.930 χ^2/NDF: 92.0/85



Right In: 423.131+/-0.120 χ^2/NDF: 2415640.6/16

Left Out: 341.918+/-0.056 χ^2/NDF:653932.3/24

Right Out: 457.332+/-0.121 χ^2/NDF: 3183556.5/20

Left In: 339.430+/-0.057 χ^2/NDF:846709.1/22

Left: 340.702+/-0.040 χ^2/NDF: 1501620.7/47

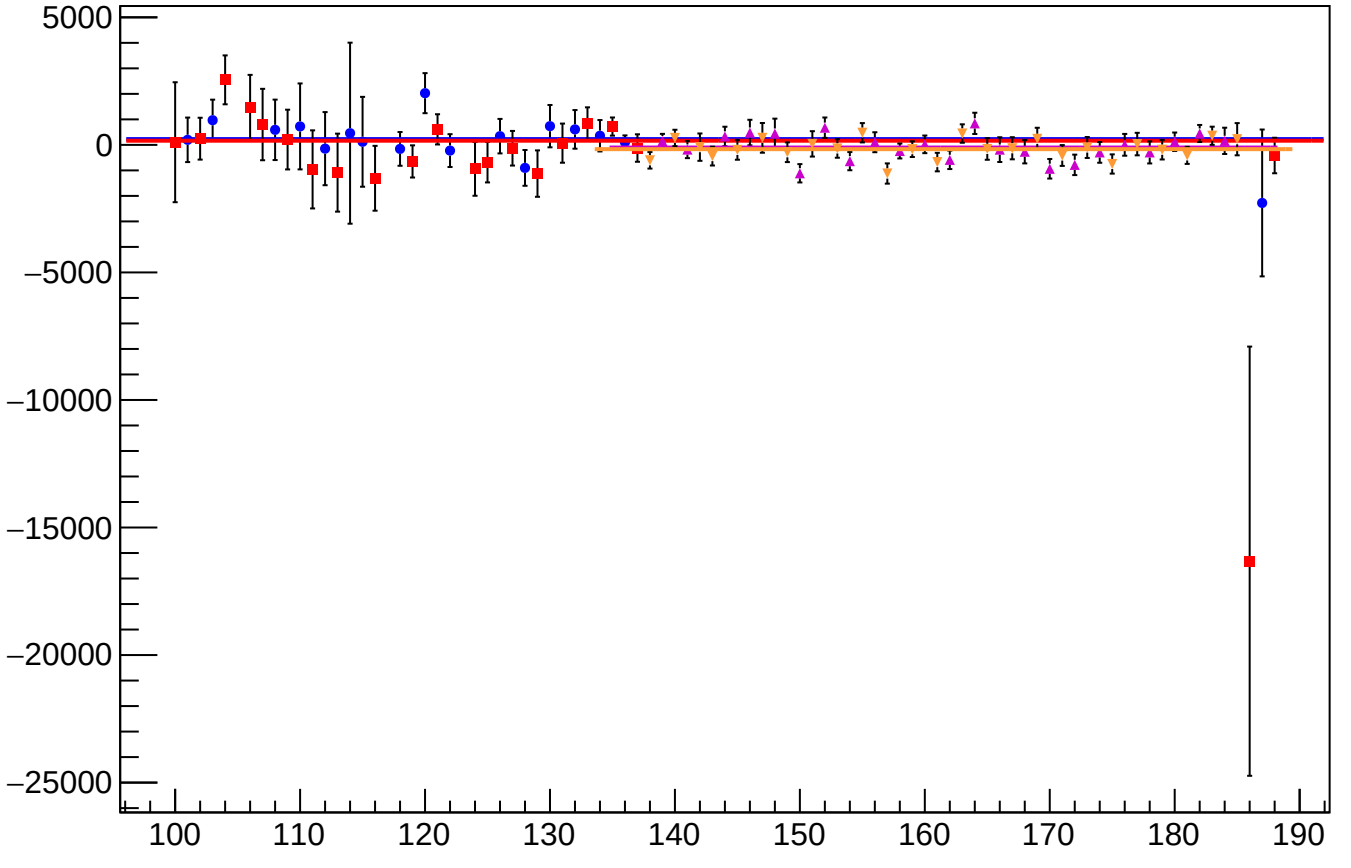
Right: 440.132+/-0.085 χ^2/NDF: 5639510.0/37

In: 354.755+/-0.051 χ^2/NDF:3659133.2/39

Out: 362.072+/-0.050 χ^2/NDF:4590889.1/45

All: 358.479+/-0.036 χ^2/NDF: 8260340.9/85

asym_sam1_mean vs Slug, Sign Corrected



Right In: 226.507+/-167.912 χ^2/NDF: 11.5/16

Left Out: -167.380+/-78.179 χ^2/NDF:25.6/24

Right Out: 164.252+/-169.427 χ^2/NDF: 25.0/20

Left In: -104.016+/-79.995 χ^2/NDF:37.5/22

Left: -136.425+/-55.912 χ^2/NDF: 63.4/47

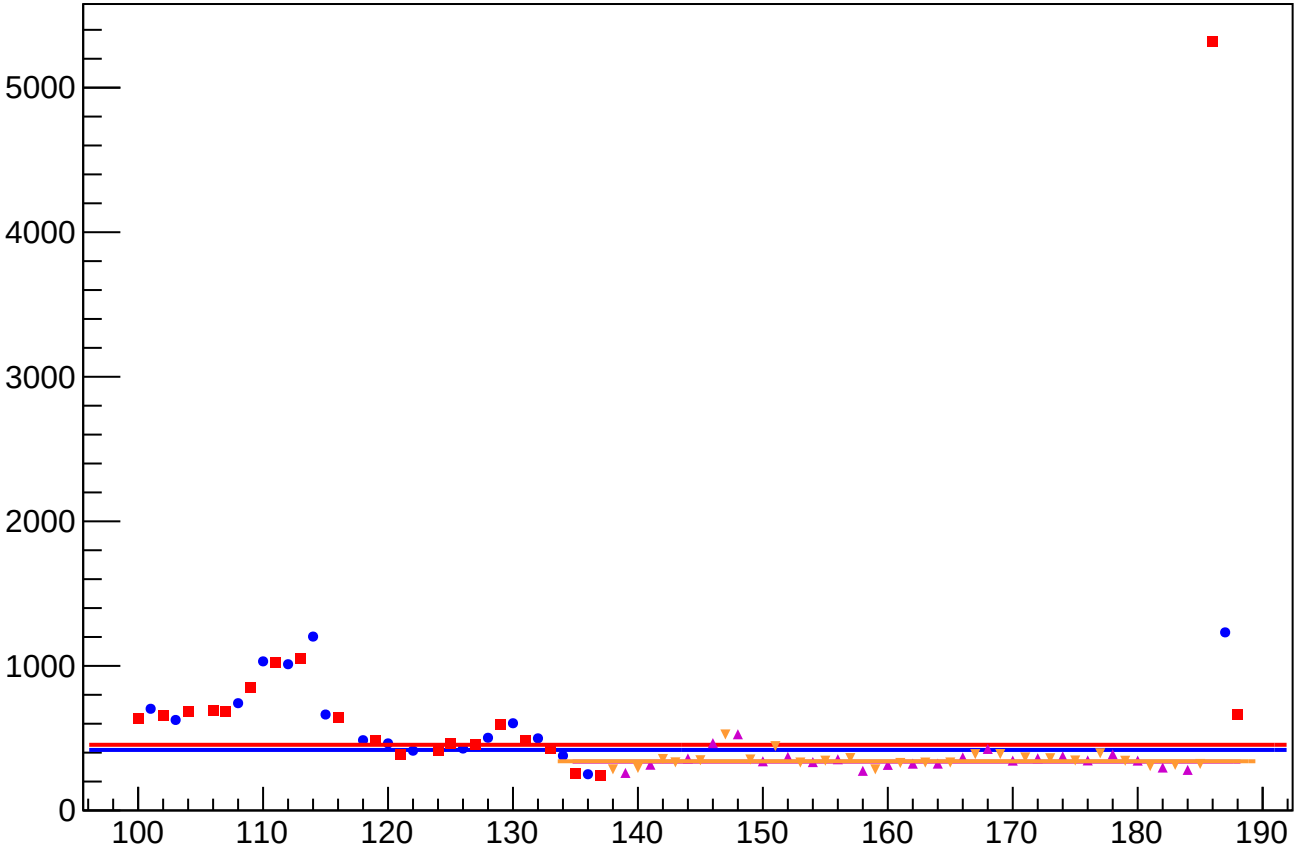
Right: 195.659+/-119.264 χ^2/NDF: 36.5/37

In: -42.875+/-72.218 χ^2/NDF:52.1/39

Out: -109.164+/-70.986 χ^2/NDF:53.7/45

All: -76.590+/-50.625 χ^2/NDF: 106.2/85

asym_sam1_rms vs Slug, Sign Corrected



Right In: 418.617+/-0.119 χ^2/NDF: 2384158.9/16

Left Out: 340.391+/-0.055 χ^2/NDF:604155.3/24

Right Out: 454.237+/-0.120 χ^2/NDF: 3104900.0/20

Left In: 337.759+/-0.057 χ^2/NDF:820674.4/22

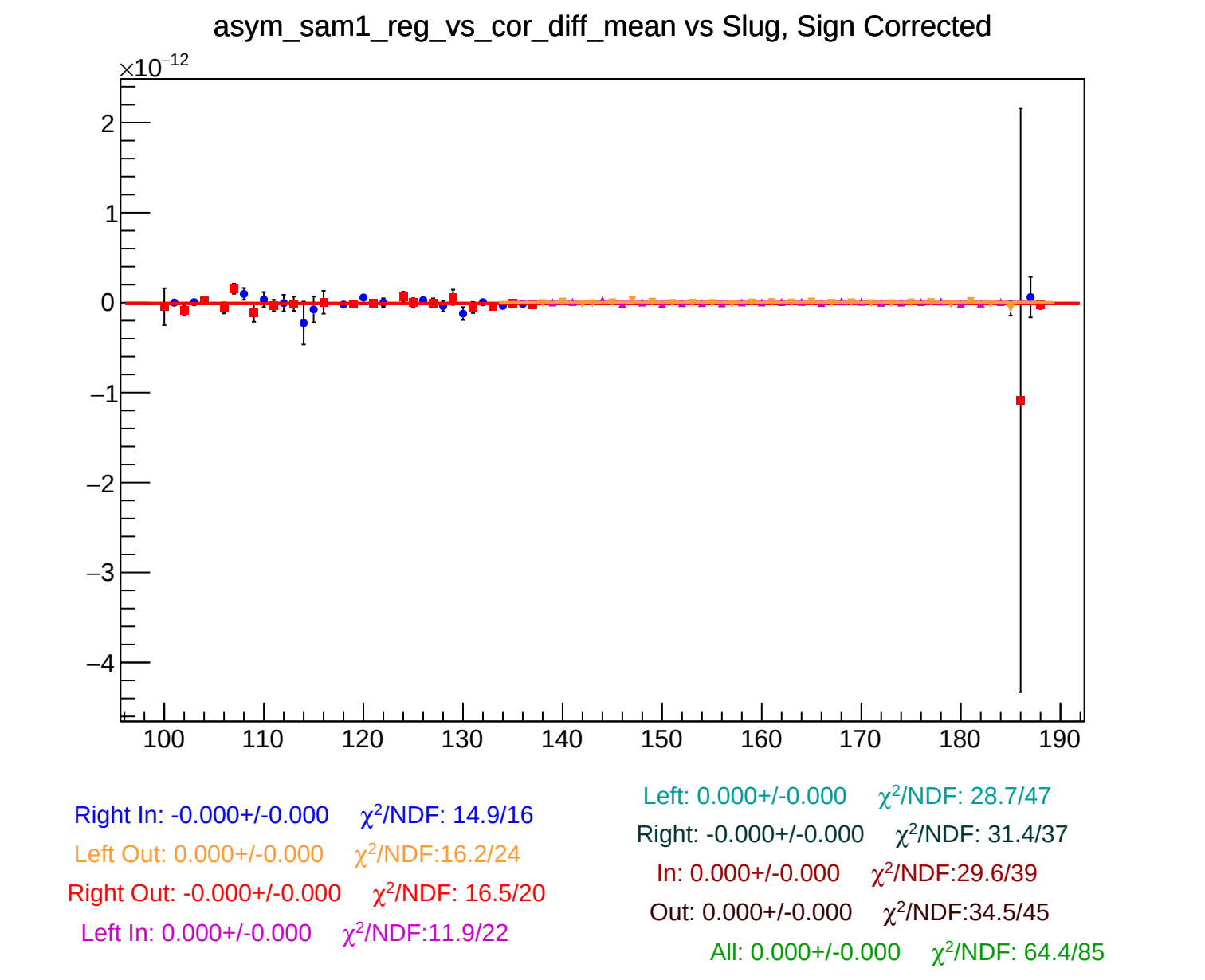
Left: 339.105+/-0.040 χ^2/NDF: 1425937.5/47

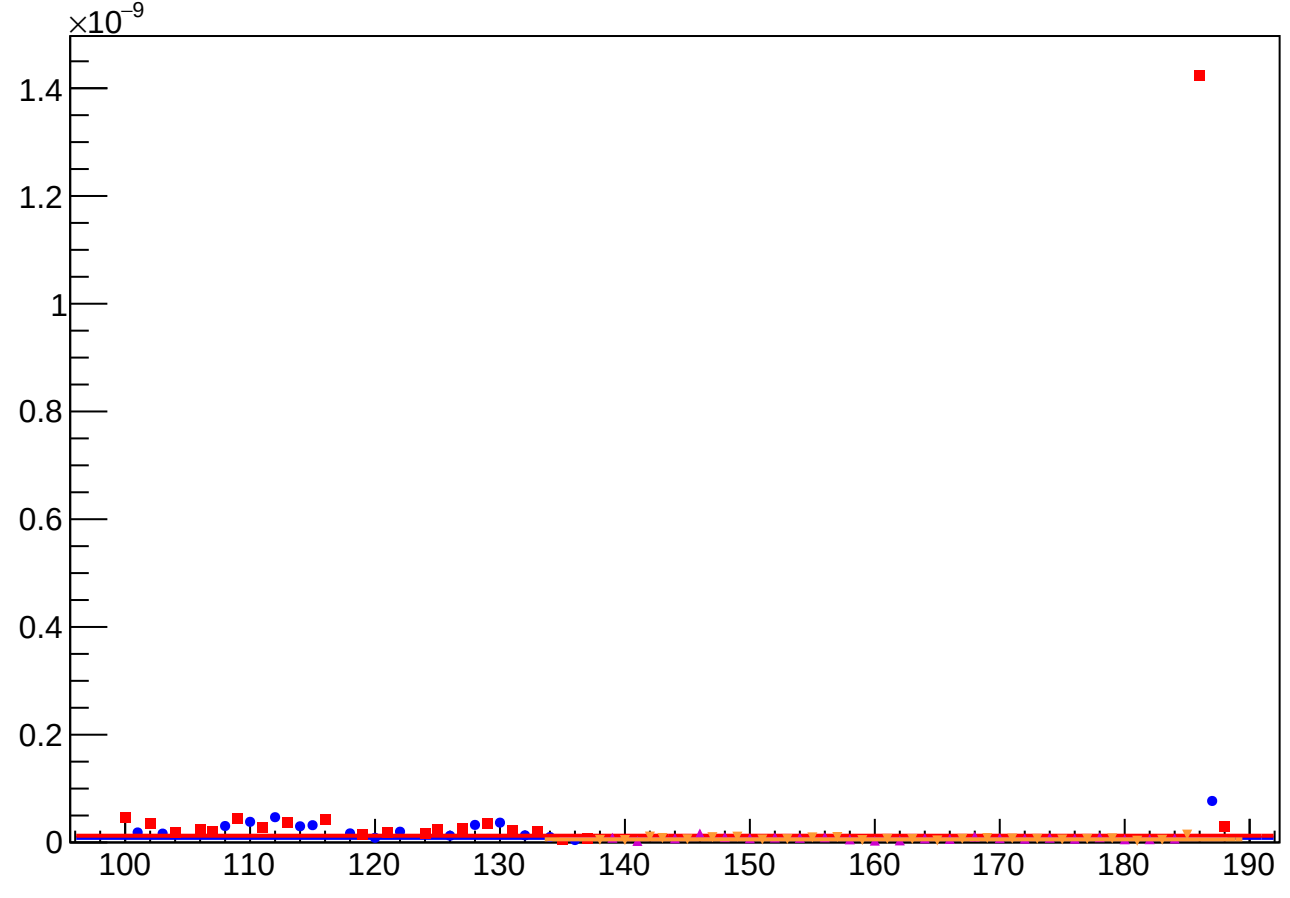
Right: 436.267+/-0.084 χ^2/NDF: 5533657.4/37

In: 352.716+/-0.051 χ^2/NDF:3582819.7/39

Out: 360.376+/-0.050 χ^2/NDF:4453564.6/45

All: 356.612+/-0.036 χ^2/NDF: 8047828.1/85


asym_sam1_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
1
0
−1
−2
−3
−4
100
110
120
130
140
150
160
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 14.9/16
Left Out: 0.000+/-0.000 χ²/NDF:16.2/24
Right Out: -0.000+/-0.000 χ²/NDF: 16.5/20
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: 31.4/37
In: 0.000+/-0.000 χ²/NDF:29.6/39
Out: 0.000+/-0.000 χ²/NDF:34.5/45
All: 0.000+/-0.000 χ²/NDF: 64.4/85



Right In: 0.000+/-0.000 χ^2/NDF: 2943133.9/16

Left Out: 0.000+/-0.000 χ^2/NDF:1155947.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3425042.7/20

Left In: 0.000+/-0.000 χ^2/NDF:1970663.5/22

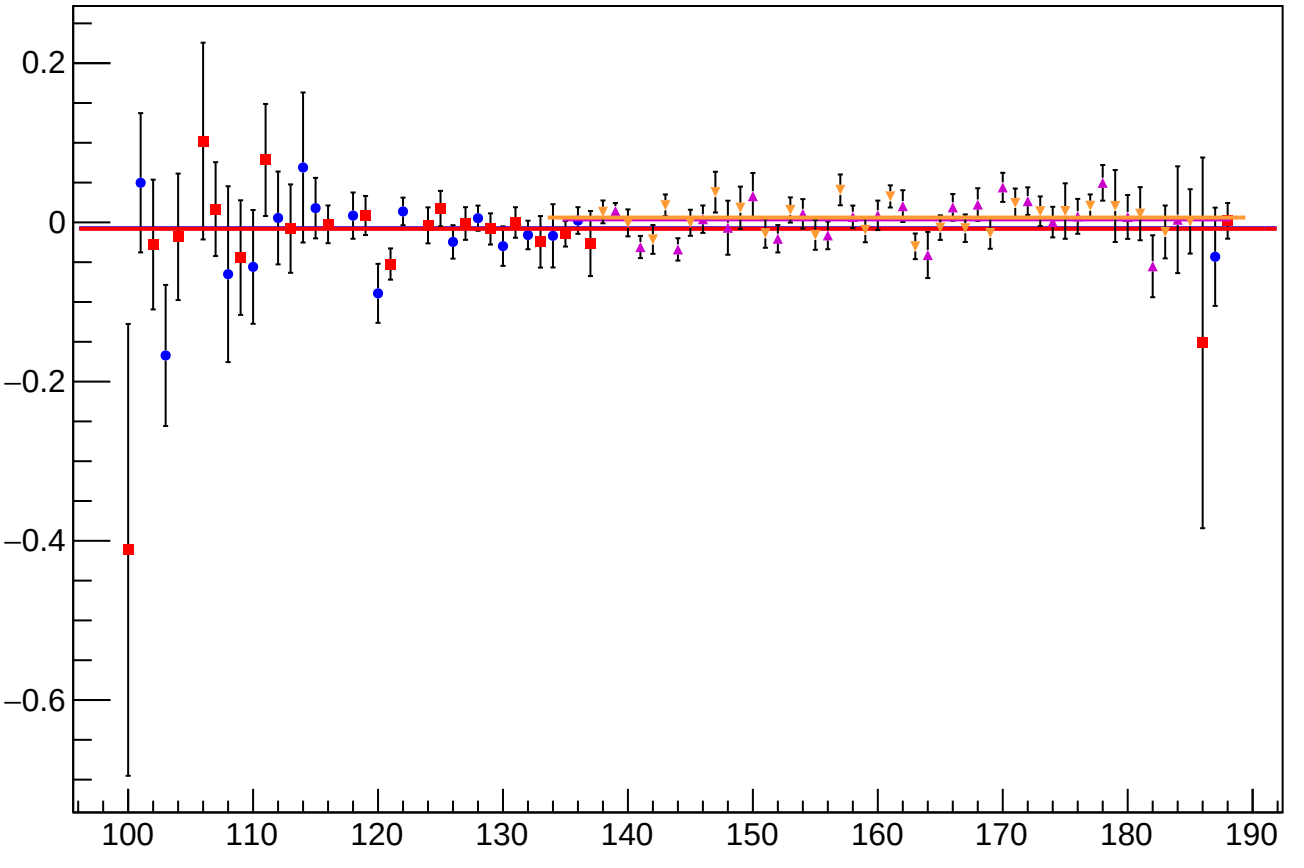
Left: 0.000+/-0.000 χ^2/NDF: 3156838.2/47

Right: 0.000+/-0.000 χ^2/NDF: 6683495.5/37

In: 0.000+/-0.000 χ^2/NDF:5142398.8/39

Out: 0.000+/-0.000 χ^2/NDF:5869182.0/45

All: 0.000+/-0.000 χ^2/NDF: 11022824.3/85



Right In: -0.007+/-0.007 χ^2/NDF: 15.3/16

Left Out: 0.006+/-0.004 χ^2/NDF:26.7/24

Right Out: -0.008+/-0.006 χ^2/NDF: 13.2/20

Left In: 0.004+/-0.004 χ^2/NDF:37.1/22

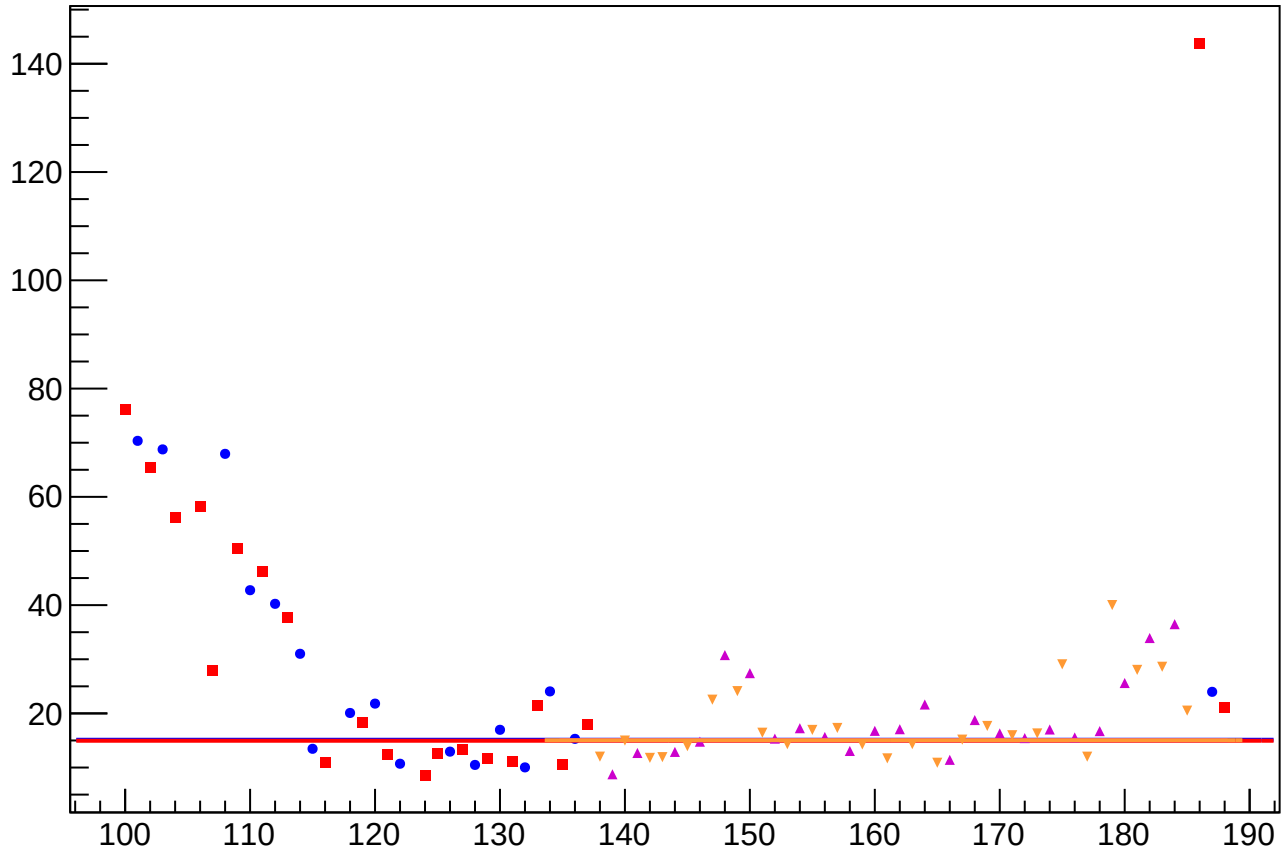
Left: 0.005+/-0.003 χ^2/NDF: 64.0/47

Right: -0.008+/-0.005 χ^2/NDF: 28.5/37

In: 0.001+/-0.003 χ^2/NDF:54.5/39

Out: 0.002+/-0.003 χ^2/NDF:43.8/45

All: 0.002+/-0.002 χ^2/NDF: 98.4/85



Right In: 15.131+/-0.005 χ^2/NDF: 3479889.7/16

Left Out: 15.046+/-0.003 χ^2/NDF:2758075.6/24

Right Out: 14.951+/-0.004 χ^2/NDF: 4412927.8/20

Left In: 15.068+/-0.003 χ^2/NDF:3066591.4/22

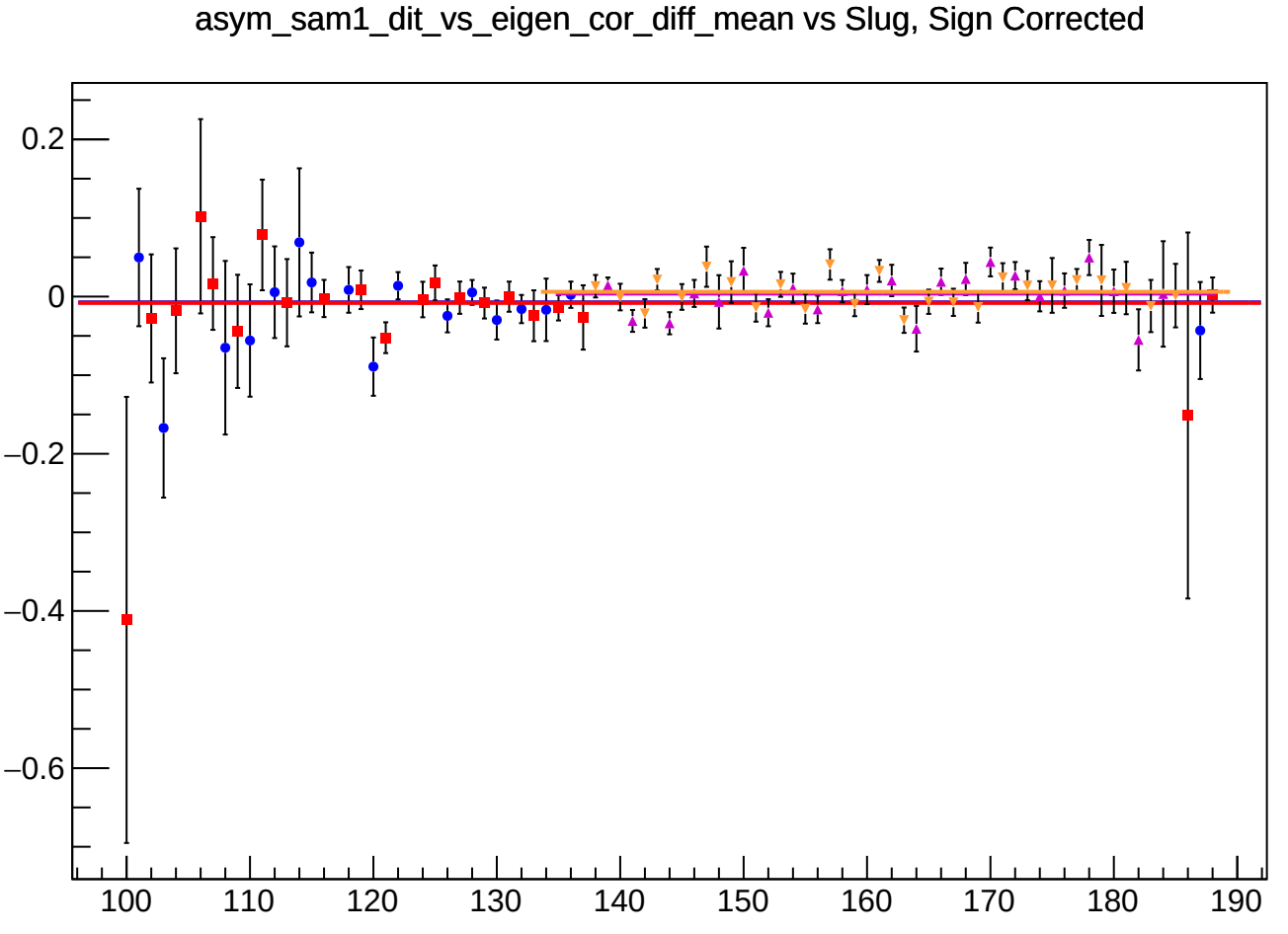
Left: 15.057+/-0.002 χ^2/NDF: 5824699.0/47

Right: 15.033+/-0.003 χ^2/NDF: 7893605.0/37

In: 15.083+/-0.002 χ^2/NDF:6546615.7/39

Out: 15.021+/-0.002 χ^2/NDF:7171360.8/45

All: 15.050+/-0.002 χ^2/NDF: 13718344.3/85



Right In: -0.007+/-0.007 χ^2/NDF: 15.3/16

Left Out: 0.006+/-0.004 χ^2/NDF:26.7/24

Right Out: -0.008+/-0.006 χ^2/NDF: 13.2/20

Left In: 0.004+/-0.004 χ^2/NDF:37.1/22

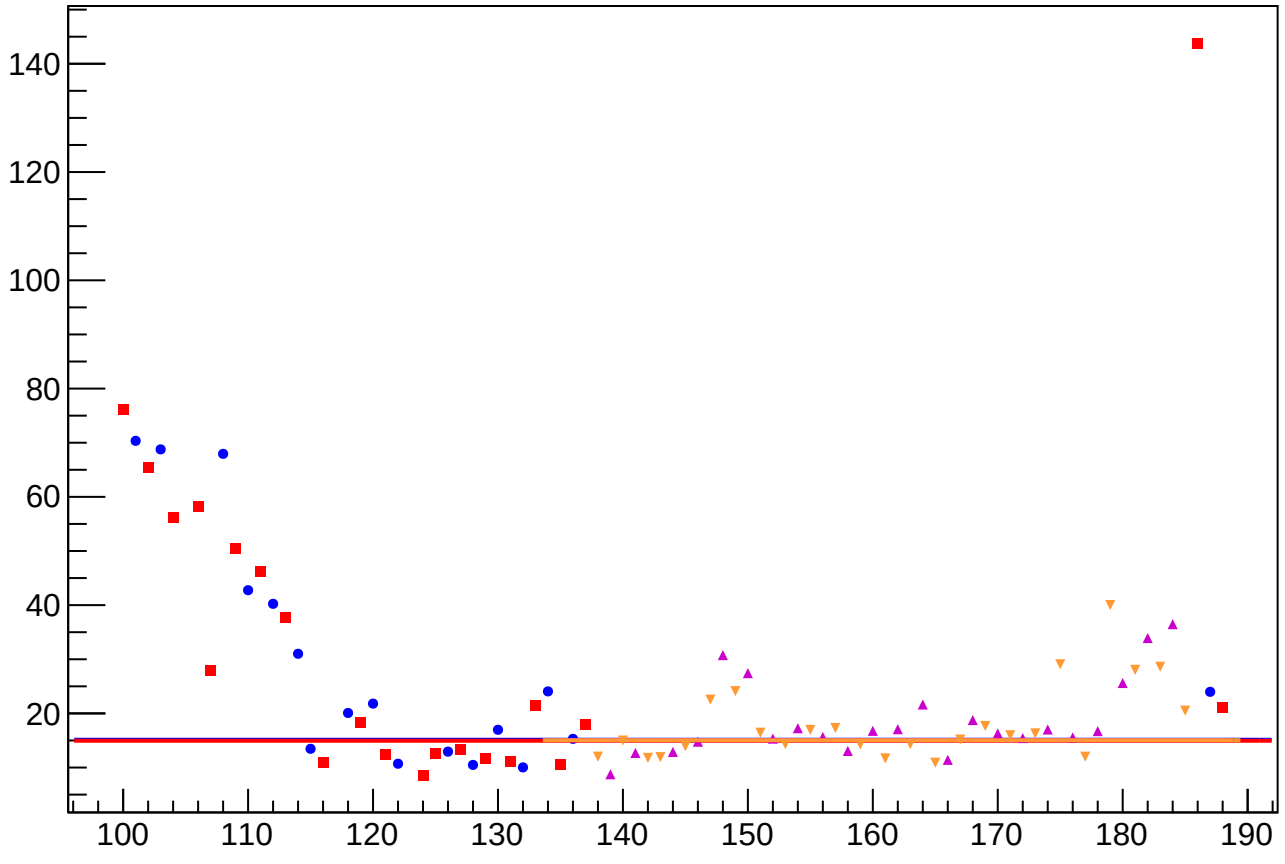
Left: 0.005+/-0.003 χ^2/NDF: 64.0/47

Right: -0.008+/-0.005 χ^2/NDF: 28.5/37

In: 0.001+/-0.003 χ^2/NDF:54.5/39

Out: 0.002+/-0.003 χ^2/NDF:43.8/45

All: 0.002+/-0.002 χ^2/NDF: 98.4/85



Right In: 15.131+/-0.005 χ^2/NDF: 3479889.7/16

Left Out: 15.046+/-0.003 χ^2/NDF:2758075.6/24

Right Out: 14.951+/-0.004 χ^2/NDF: 4412927.8/20

Left In: 15.068+/-0.003 χ^2/NDF:3066591.4/22

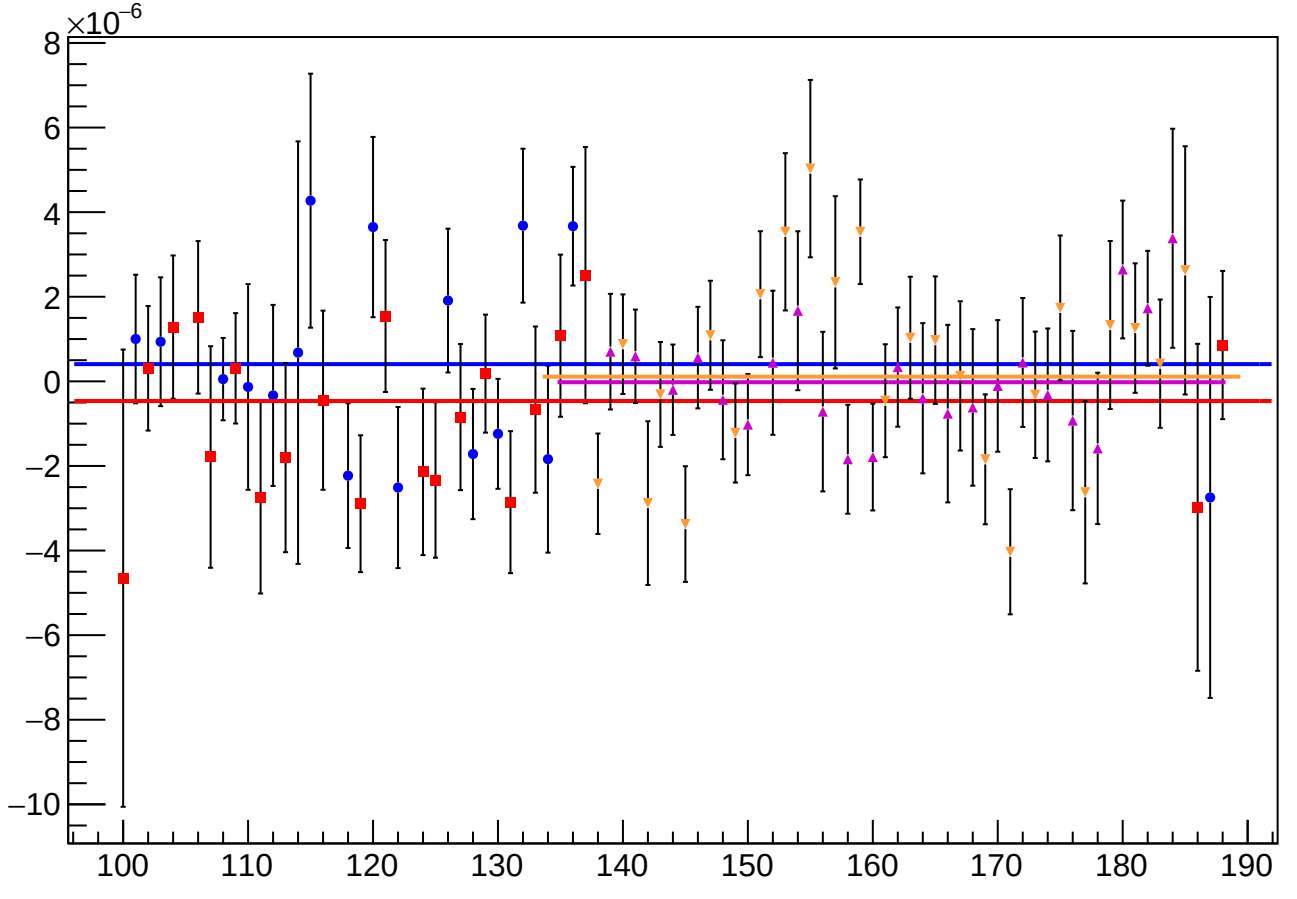
Left: 15.057+/-0.002 χ^2/NDF: 5824699.0/47

Right: 15.033+/-0.003 χ^2/NDF: 7893605.0/37

In: 15.083+/-0.002 χ^2/NDF:6546615.7/39

Out: 15.021+/-0.002 χ^2/NDF:7171360.8/45

All: 15.050+/-0.002 χ^2/NDF: 13718344.3/85



Right In: 0.000+/-0.000 χ^2/NDF: 23.7/16

Left Out: 0.000+/-0.000 χ^2/NDF:50.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 15.3/20

Left In: -0.000+/-0.000 χ^2/NDF:14.1/22

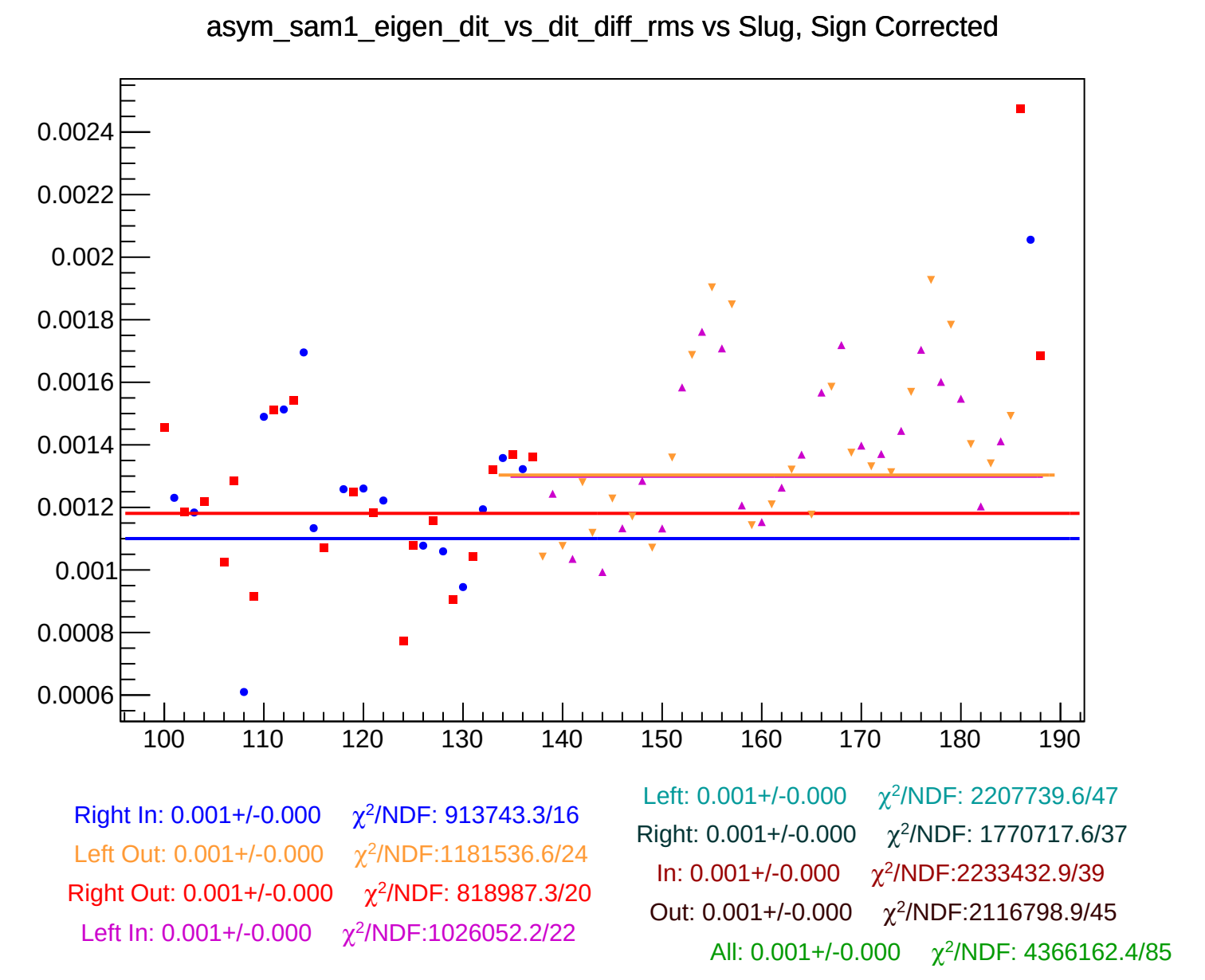
Left: 0.000+/-0.000 χ^2/NDF: 64.2/47

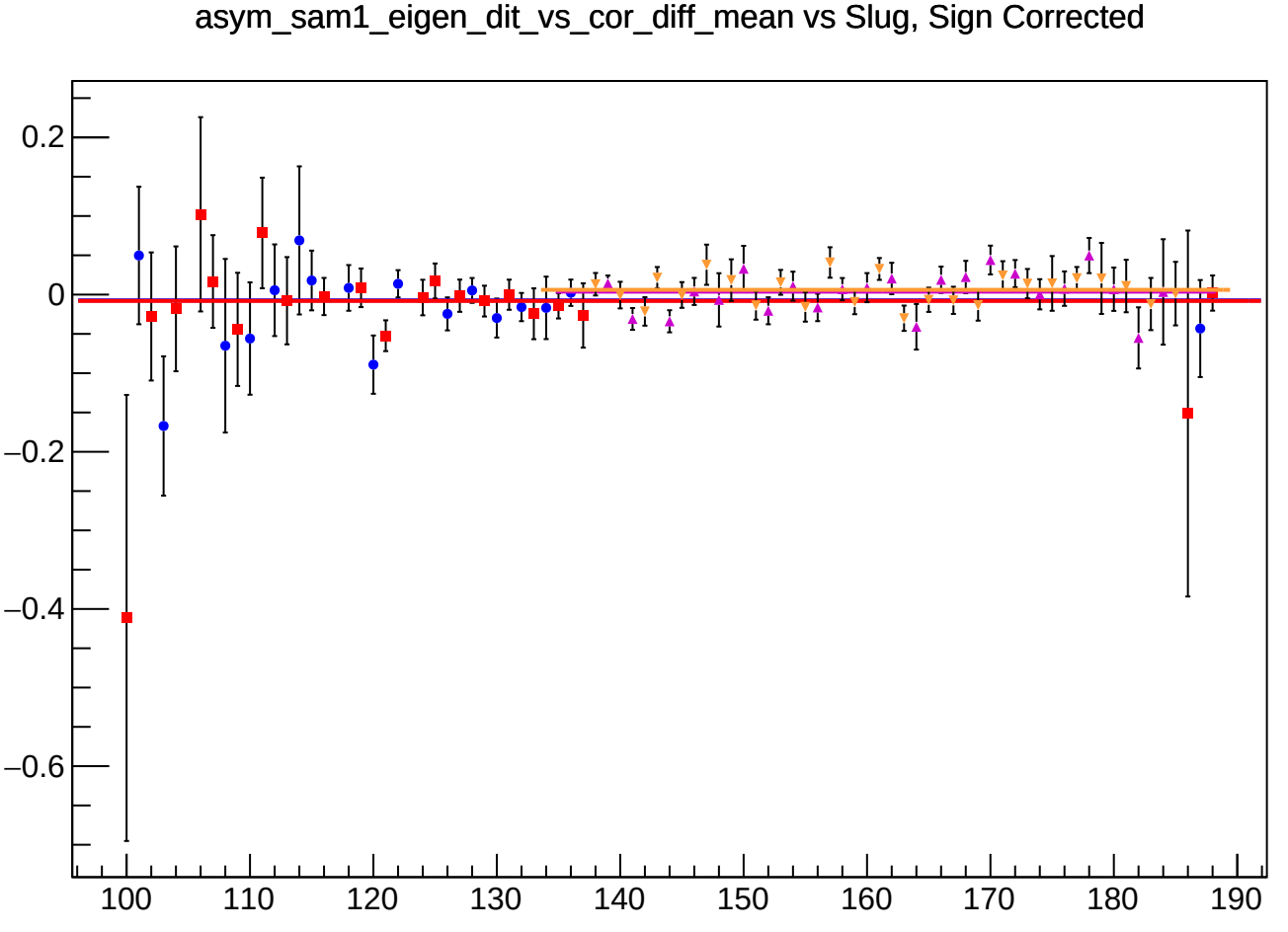
Right: -0.000+/-0.000 χ^2/NDF: 41.2/37

In: 0.000+/-0.000 χ^2/NDF:38.5/39

Out: -0.000+/-0.000 χ^2/NDF:66.6/45

All: 0.000+/-0.000 χ^2/NDF: 105.4/85


asym_sam1_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.0024
0.0022
0.002
0.0018
0.0016
0.0014
0.0012
0.001
0.0008
0.0006
100
110
120
130
140
150
160
170
180
190
Right In: 0.001+/-0.000 χ²/NDF: 913743.3/16
Left Out: 0.001+/-0.000 χ²/NDF:1181536.6/24
Right Out: 0.001+/-0.000 χ²/NDF: 818987.3/20
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: 1770717.6/37
In: 0.001+/-0.000 χ²/NDF:2233432.9/39
Out: 0.001+/-0.000 χ²/NDF:2116798.9/45
All: 0.001+/-0.000 χ²/NDF: 4366162.4/85



Right In: -0.007+/-0.007 χ^2/NDF: 15.3/16

Left Out: 0.006+/-0.004 χ^2/NDF:26.7/24

Right Out: -0.008+/-0.006 χ^2/NDF: 13.2/20

Left In: 0.004+/-0.004 χ^2/NDF:37.1/22

Left: 0.005+/-0.003 χ^2/NDF: 64.0/47

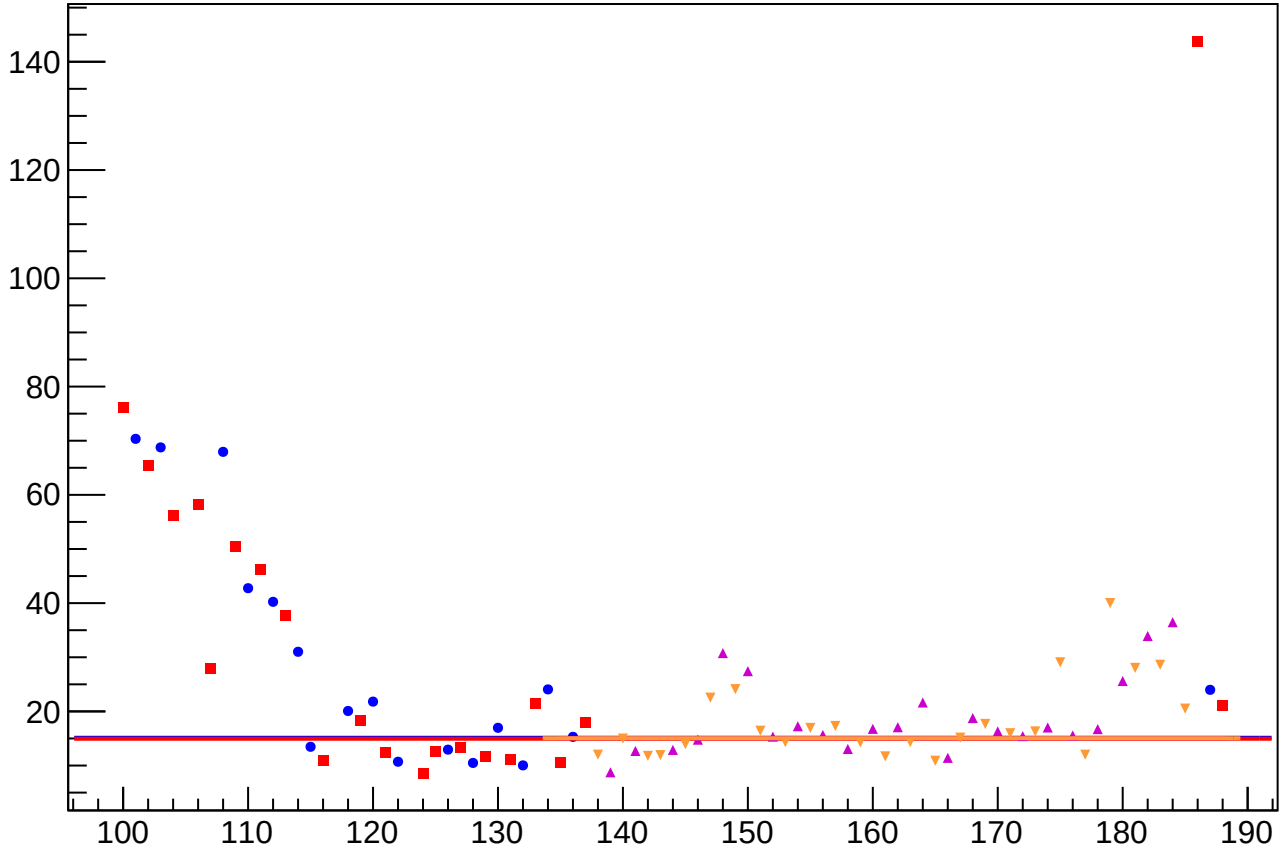
Right: -0.008+/-0.005 χ^2/NDF: 28.5/37

In: 0.001+/-0.003 χ^2/NDF:54.5/39

Out: 0.002+/-0.003 χ^2/NDF:43.8/45

All: 0.002+/-0.002 χ^2/NDF: 98.4/85

asym_sam1_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 15.131+/-0.005 χ^2/NDF: 3479919.6/16

Left Out: 15.046+/-0.003 χ^2/NDF:2758285.3/24

Right Out: 14.950+/-0.004 χ^2/NDF: 4412918.1/20

Left In: 15.067+/-0.003 χ^2/NDF:3066635.3/22

Left: 15.056+/-0.002 χ^2/NDF: 5824952.7/47

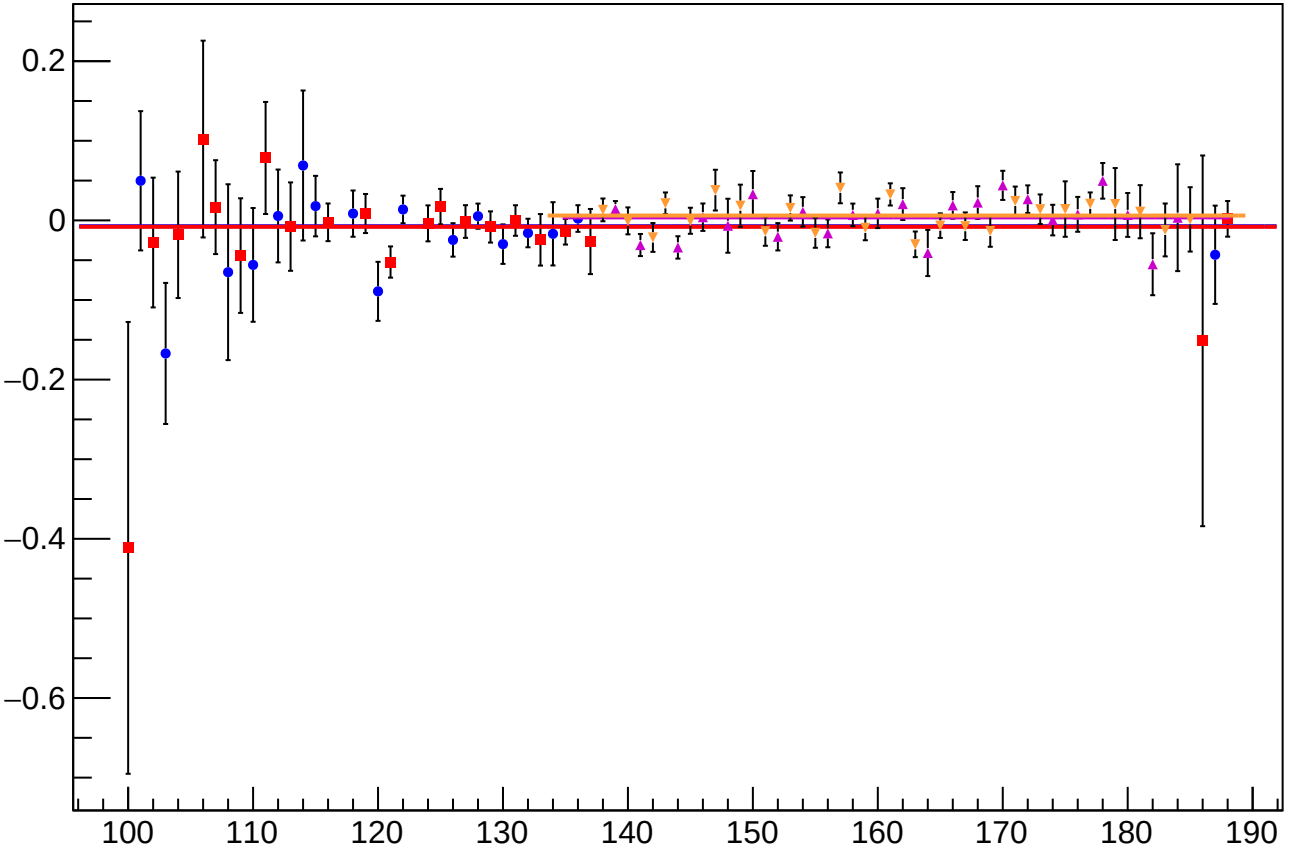
Right: 15.033+/-0.003 χ^2/NDF: 7893624.5/37

In: 15.083+/-0.002 χ^2/NDF:6546689.5/39

Out: 15.021+/-0.002 χ^2/NDF:7171559.8/45

All: 15.050+/-0.002 χ^2/NDF: 13718617.3/85

asym_sam1_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.007+/-0.007 χ^2/NDF: 15.3/16

Left Out: 0.006+/-0.004 χ^2/NDF:26.7/24

Right Out: -0.008+/-0.006 χ^2/NDF: 13.2/20

Left In: 0.004+/-0.004 χ^2/NDF:37.1/22

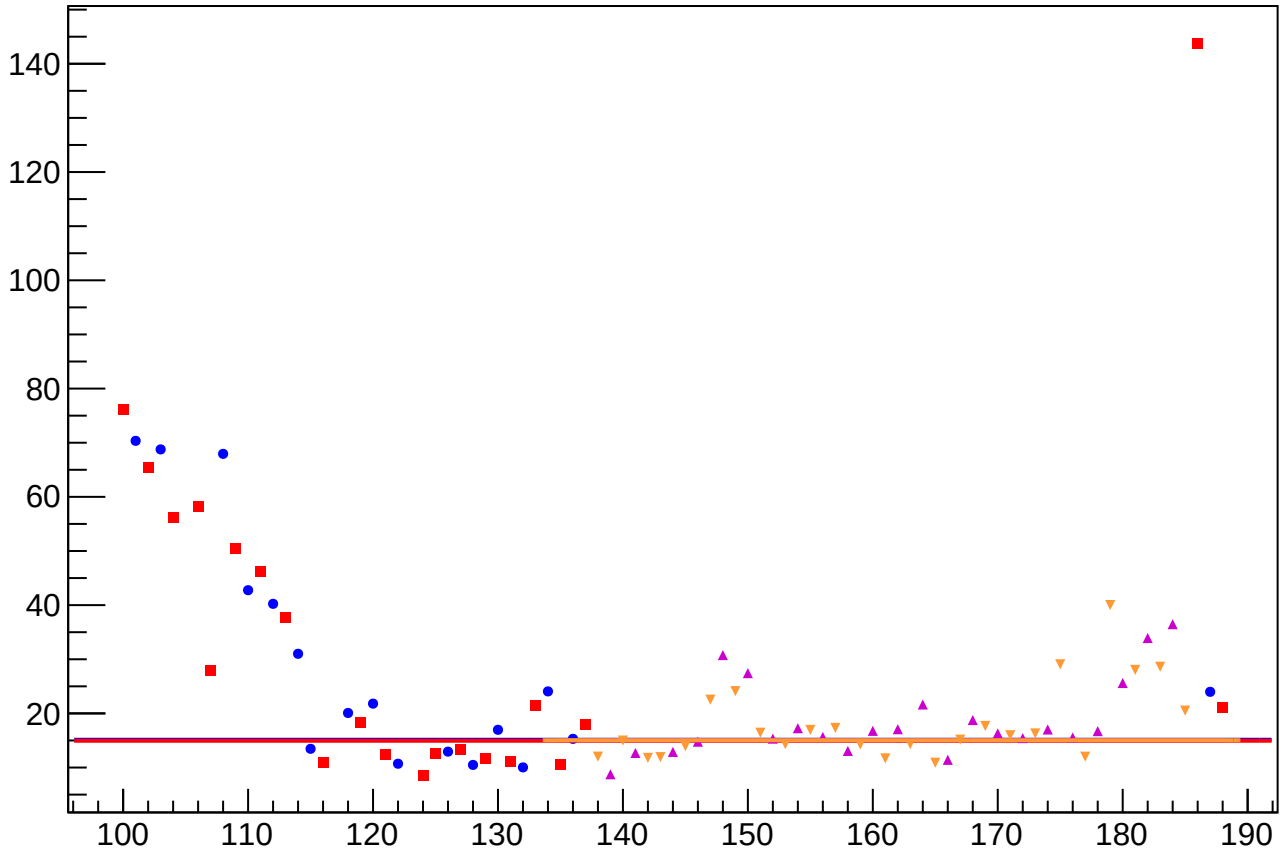
Left: 0.005+/-0.003 χ^2/NDF: 64.0/47

Right: -0.008+/-0.005 χ^2/NDF: 28.5/37

In: 0.001+/-0.003 χ^2/NDF:54.5/39

Out: 0.002+/-0.003 χ^2/NDF:43.8/45

All: 0.002+/-0.002 χ^2/NDF: 98.4/85



Right In: 15.131+/-0.005 χ^2/NDF: 3479919.6/16

Left Out: 15.046+/-0.003 χ^2/NDF:2758285.3/24

Right Out: 14.950+/-0.004 χ^2/NDF: 4412918.1/20

Left In: 15.067+/-0.003 χ^2/NDF:3066635.3/22

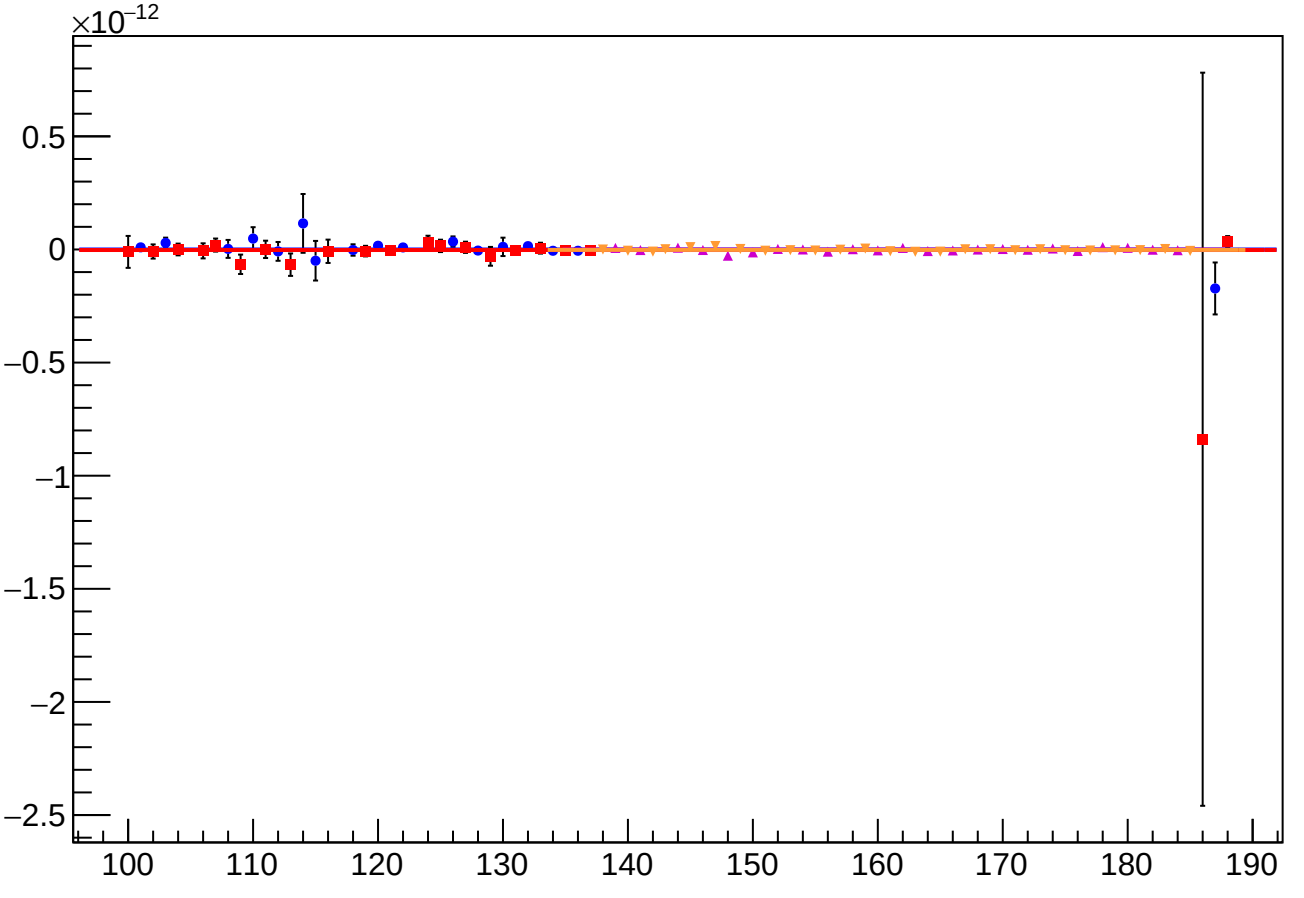
Left: 15.056+/-0.002 χ^2/NDF: 5824952.7/47

Right: 15.033+/-0.003 χ^2/NDF: 7893624.5/37

In: 15.083+/-0.002 χ^2/NDF:6546689.5/39

Out: 15.021+/-0.002 χ^2/NDF:7171559.8/45

All: 15.050+/-0.002 χ^2/NDF: 13718617.3/85



Right In: -0.000+/-0.000 χ^2/NDF: 11.6/16

Left Out: -0.000+/-0.000 χ^2/NDF:15.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 9.2/20

Left In: -0.000+/-0.000 χ^2/NDF:21.3/22

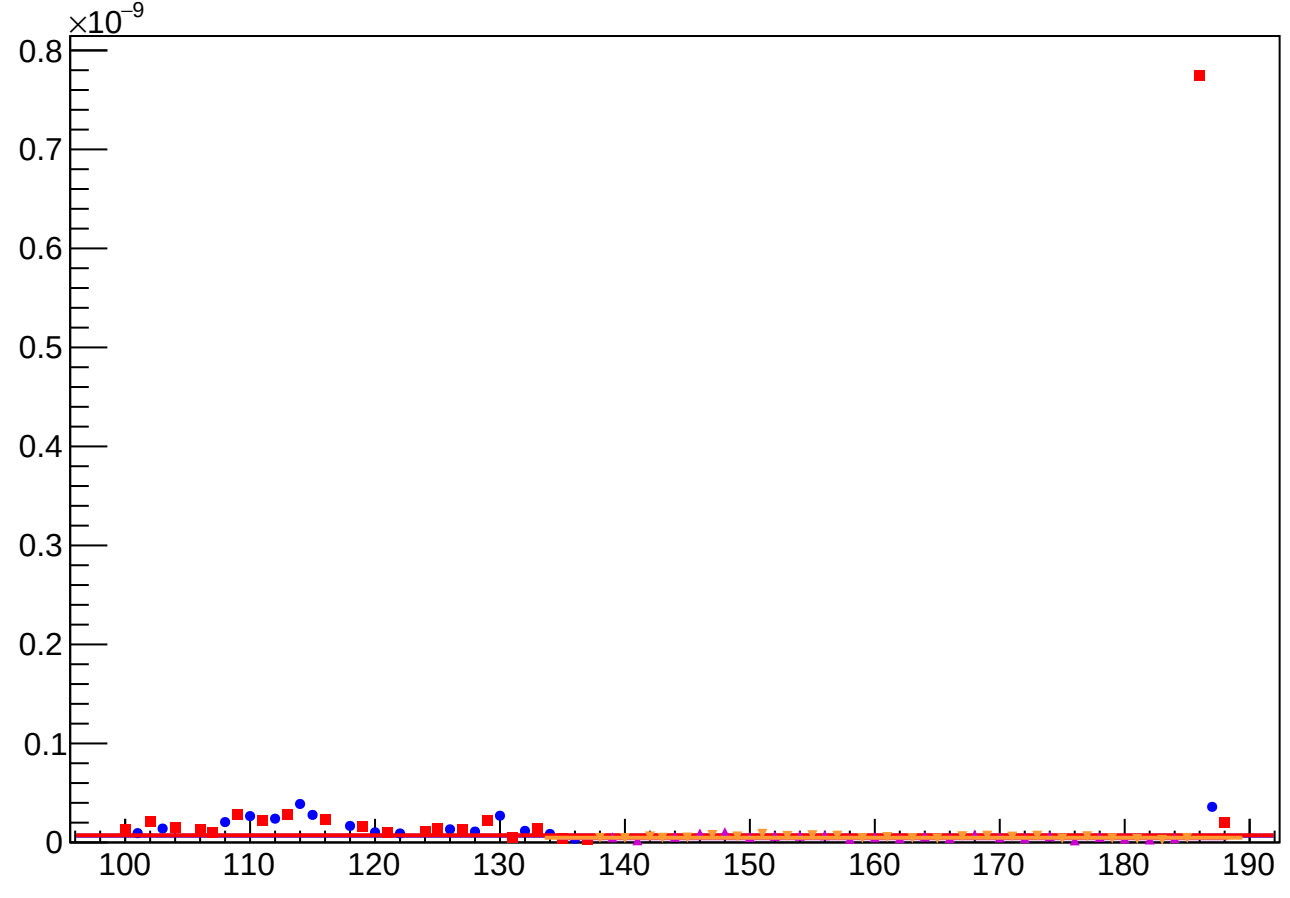
Left: -0.000+/-0.000 χ^2/NDF: 36.9/47

Right: -0.000+/-0.000 χ^2/NDF: 21.0/37

In: -0.000+/-0.000 χ^2/NDF:32.9/39

Out: -0.000+/-0.000 χ^2/NDF:24.4/45

All: -0.000+/-0.000 χ^2/NDF: 57.9/85



Right In: 0.000+/-0.000 χ^2/NDF: 3640070.6/16

Left Out: 0.000+/-0.000 χ^2/NDF:2098495.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5205619.1/20

Left In: 0.000+/-0.000 χ^2/NDF:3526134.8/22

Left: 0.000+/-0.000 χ^2/NDF: 5756687.2/47

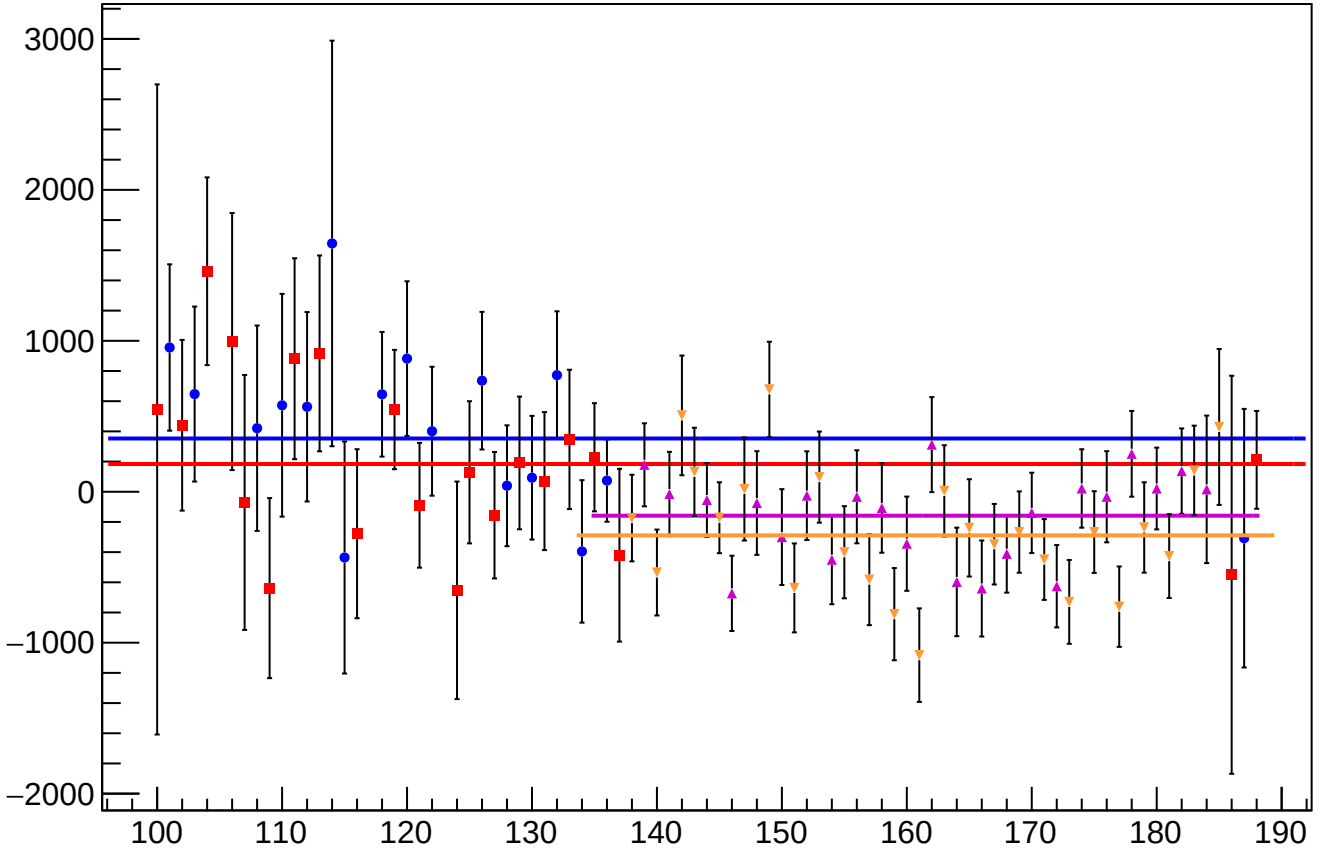
Right: 0.000+/-0.000 χ^2/NDF: 8854548.5/37

In: 0.000+/-0.000 χ^2/NDF:7983434.7/39

Out: 0.000+/-0.000 χ^2/NDF:8003233.1/45

All: 0.000+/-0.000 χ^2/NDF: 16126911.4/85

reg_asym_sam2_mean vs Slug, Sign Corrected



Right In: 352.820+/-117.745 χ^2/NDF: 12.1/16

Left Out: -288.924+/-59.035 χ^2/NDF:42.4/24

Right Out: 183.815+/-112.269 χ^2/NDF: 15.3/20

Left In: -158.601+/-60.708 χ^2/NDF:22.5/22

Left: -225.582+/-42.323 χ^2/NDF: 67.3/47

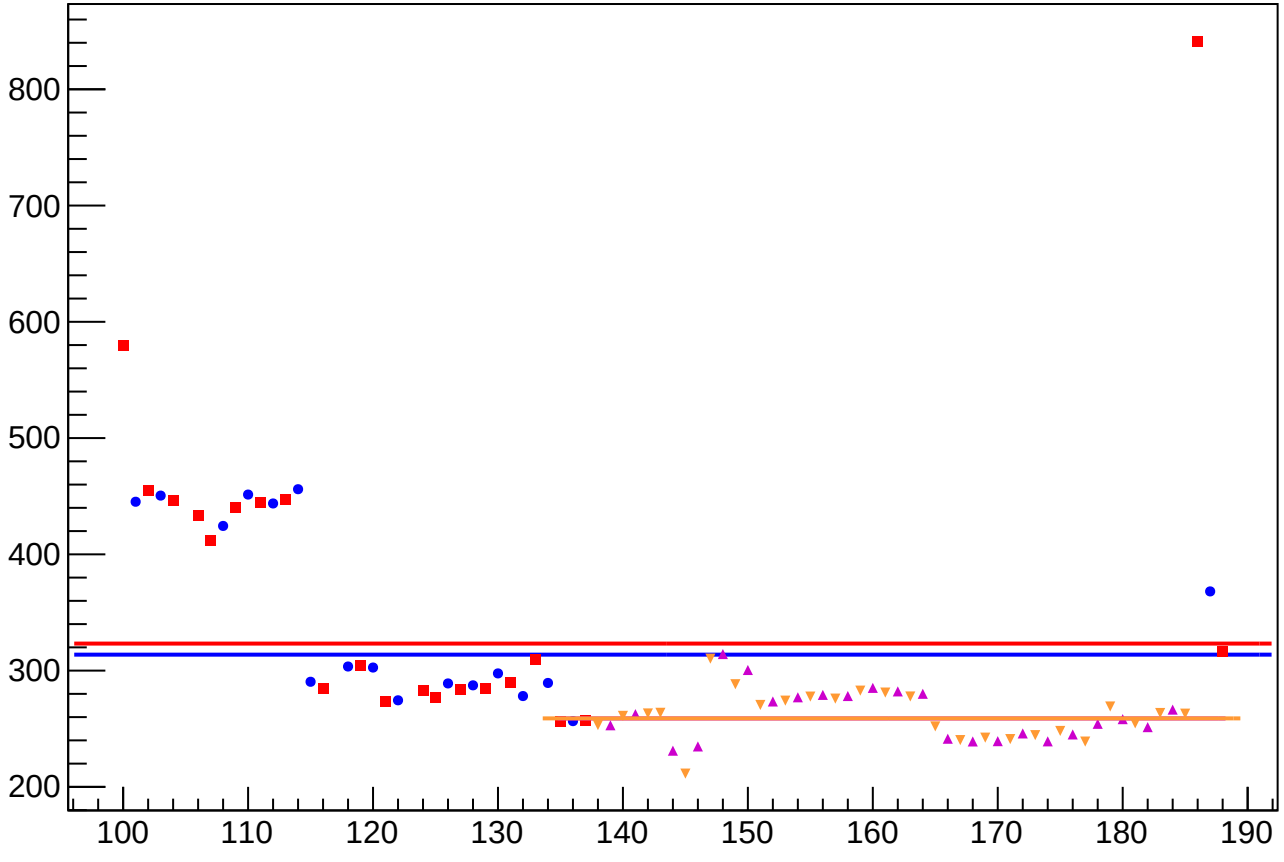
Right: 264.297+/-81.253 χ^2/NDF: 28.5/37

In: -51.200+/-53.958 χ^2/NDF:49.5/39

Out: -186.525+/-52.251 χ^2/NDF:71.6/45

All: -121.036+/-37.536 χ^2/NDF: 124.4/85

reg_asym_sam2_rms vs Slug, Sign Corrected



Right In: 313.730+/-0.083 χ^2/NDF: 610427.6/16

Left Out: 258.912+/-0.042 χ^2/NDF:248740.9/24

Right Out: 323.247+/-0.079 χ^2/NDF: 1008560.1/20

Left In: 258.843+/-0.043 χ^2/NDF:244953.3/22

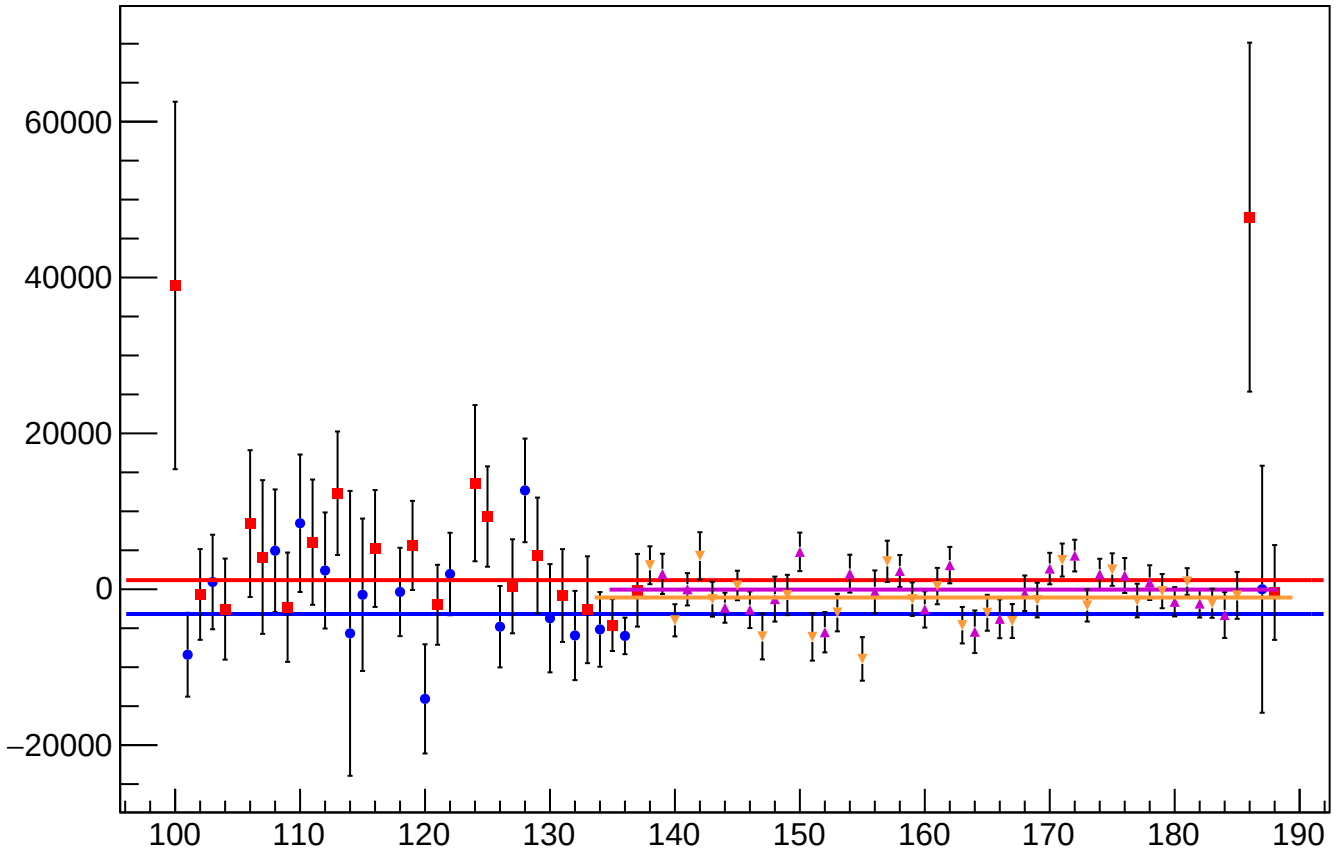
Left: 258.878+/-0.030 χ^2/NDF: 493695.6/47

Right: 318.715+/-0.057 χ^2/NDF: 1625832.1/37

In: 270.370+/-0.038 χ^2/NDF:1198712.9/39

Out: 272.848+/-0.037 χ^2/NDF:1771803.2/45

All: 271.648+/-0.027 χ^2/NDF: 2972692.9/85



Right In: -3175.535+/-1348.900 χ^2/NDF: 16.1/16

Left Out: -1059.229+/-454.653 χ^2/NDF:41.5/24

Right Out: 1170.501+/-1401.573 χ^2/NDF: 18.8/20

Left In: -44.352+/-470.700 χ^2/NDF:34.2/22

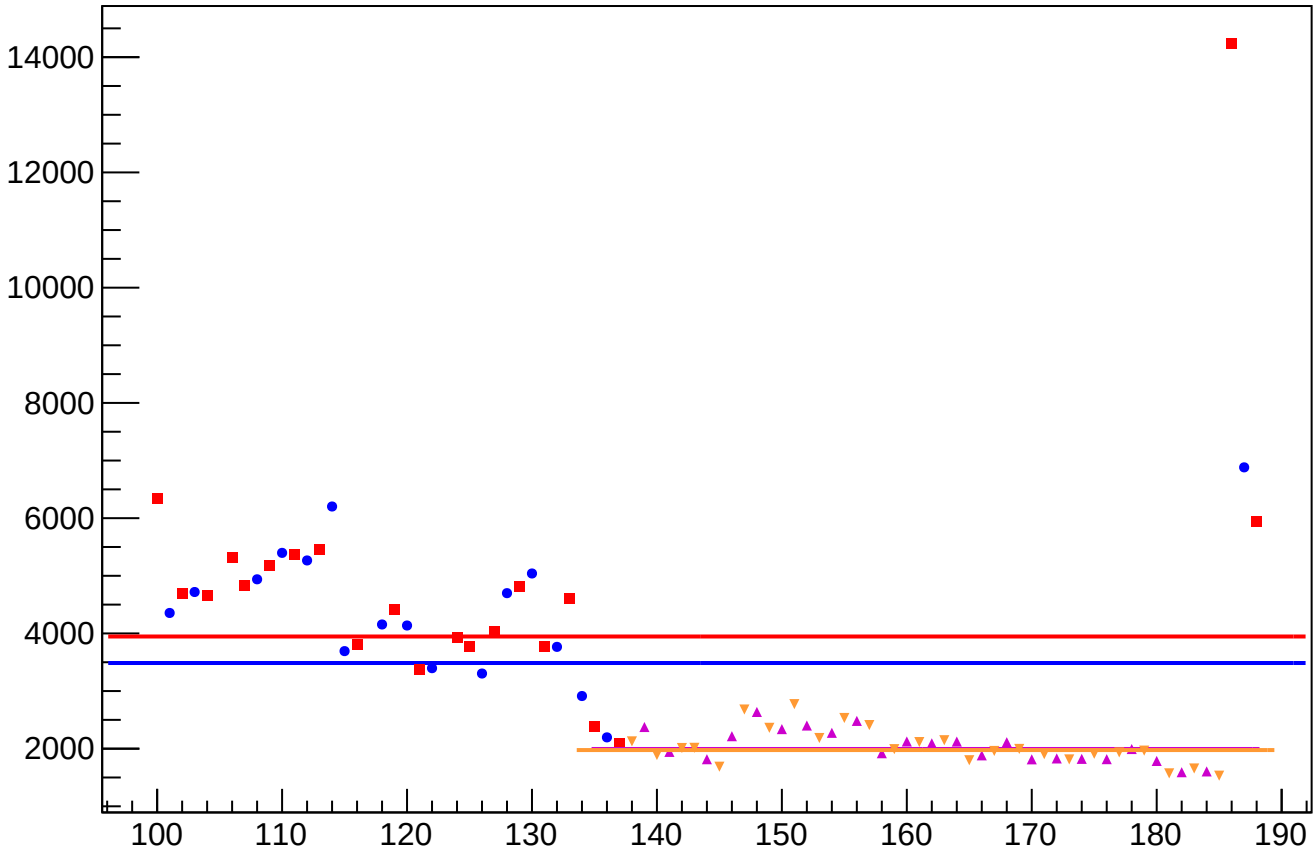
Left: -569.385+/-327.014 χ^2/NDF: 78.1/47

Right: -1085.716+/-971.904 χ^2/NDF: 39.9/37

In: -384.239+/-444.420 χ^2/NDF:55.1/39

Out: -846.939+/-432.468 χ^2/NDF:62.6/45

All: -621.894+/-309.940 χ^2/NDF: 118.2/85



Right In: 3486.707+/-0.954 χ^2/NDF: 1402055.2/16

Left Out: 1975.967+/-0.321 χ^2/NDF:763327.6/24

Right Out: 3946.715+/-0.991 χ^2/NDF: 1818119.0/20

Left In: 1994.760+/-0.333 χ^2/NDF:599994.9/22

Left: 1985.038+/-0.231 χ^2/NDF: 1364971.8/47

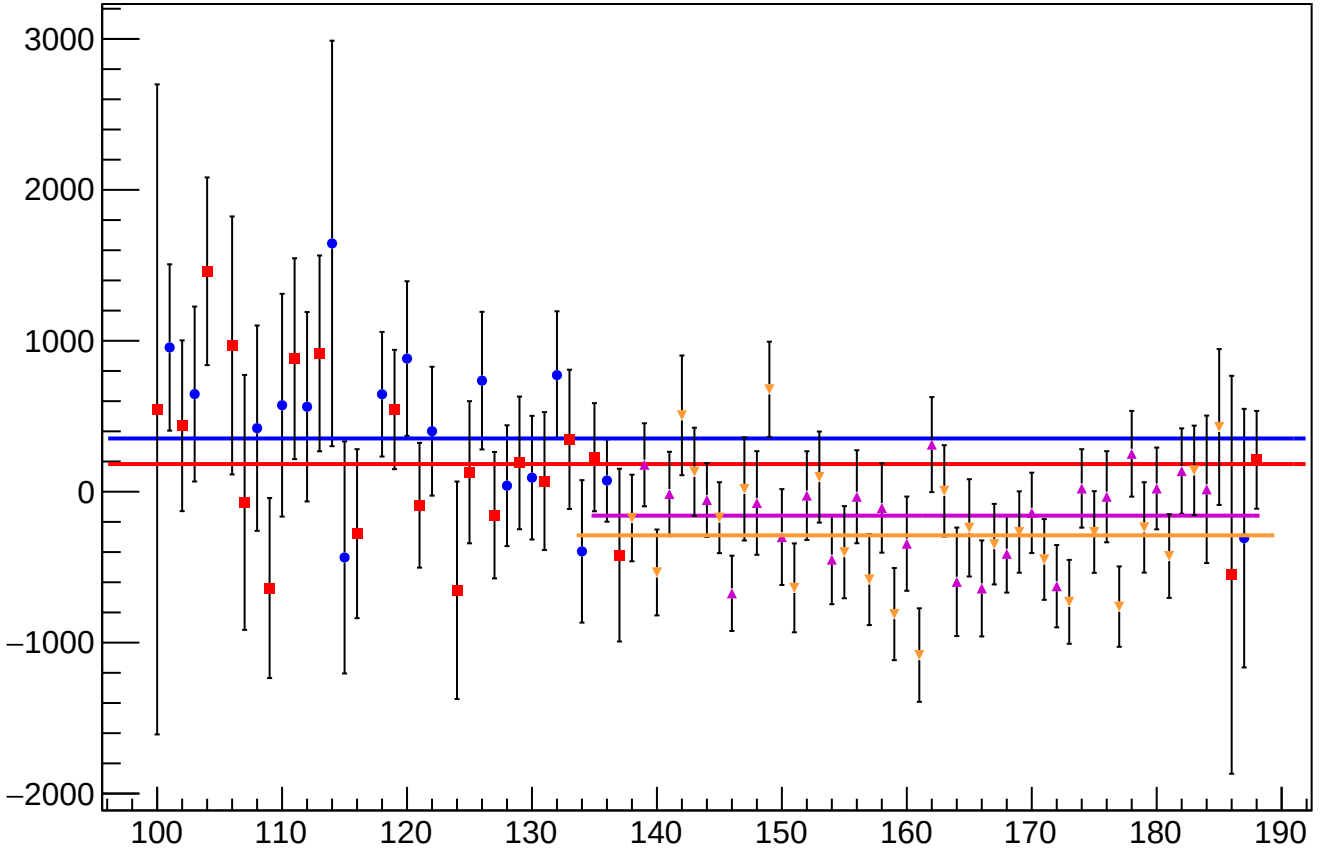
Right: 3707.905+/-0.687 χ^2/NDF: 3332019.2/37

In: 2156.710+/-0.314 χ^2/NDF:4183146.8/39

Out: 2163.599+/-0.306 χ^2/NDF:6159189.0/45

All: 2160.248+/-0.219 χ^2/NDF: 10342582.7/8

cor_asym_sam2_mean vs Slug, Sign Corrected



Right In: 352.803+/-117.745 χ^2/NDF: 12.1/16

Left Out: -288.928+/-59.035 χ^2/NDF:42.4/24

Right Out: 183.103+/-112.279 χ^2/NDF: 15.3/20

Left In: -158.612+/-60.708 χ^2/NDF:22.5/22

Left: -225.590+/-42.323 χ^2/NDF: 67.3/47

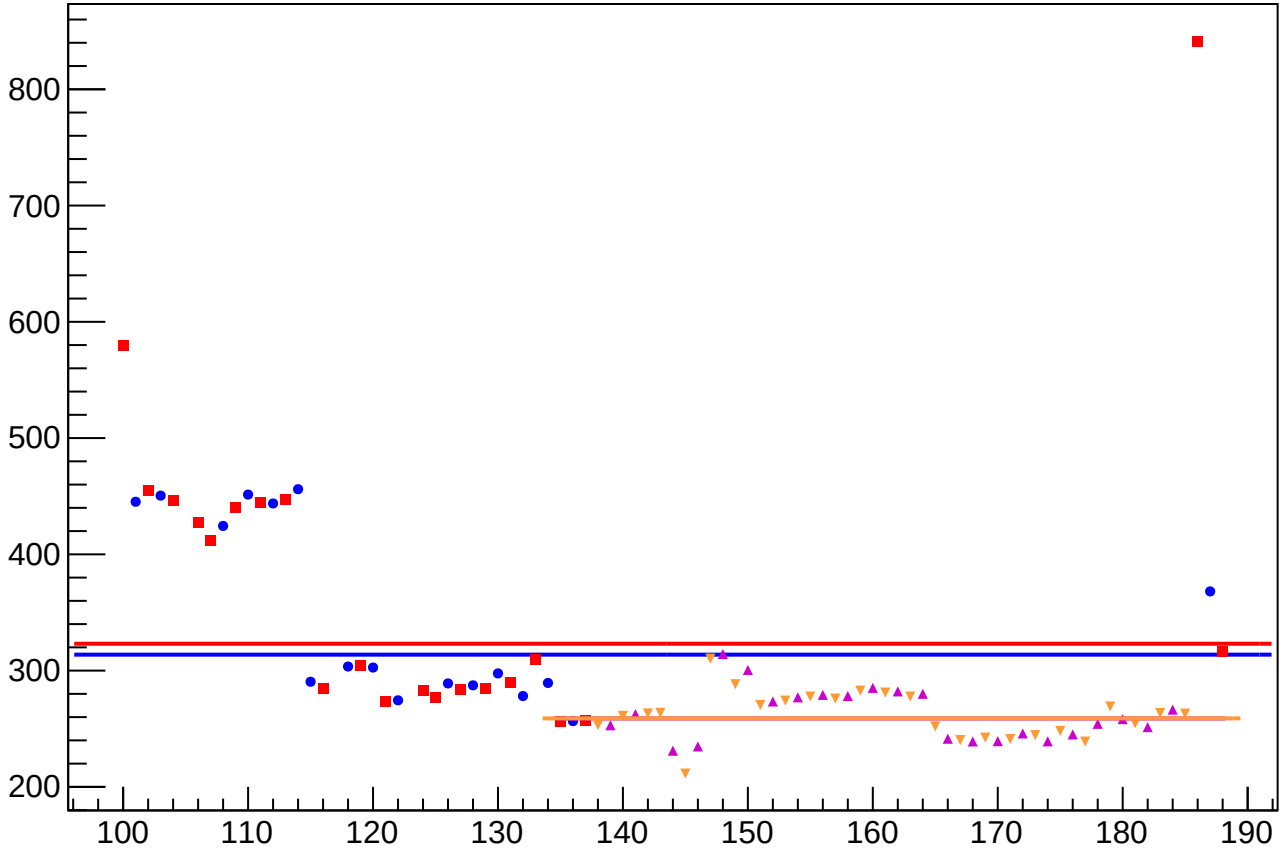
Right: 263.923+/-81.257 χ^2/NDF: 28.4/37

In: -51.213+/-53.958 χ^2/NDF:49.5/39

Out: -186.695+/-52.252 χ^2/NDF:71.5/45

All: -121.129+/-37.536 χ^2/NDF: 124.3/85

cor_asym_sam2_rms vs Slug, Sign Corrected



Right In: 313.730+/-0.083 χ^2/NDF: 610429.1/16

Left Out: 258.912+/-0.042 χ^2/NDF:248740.9/24

Right Out: 323.119+/-0.079 χ^2/NDF: 1004536.0/20

Left In: 258.843+/-0.043 χ^2/NDF:244953.3/22

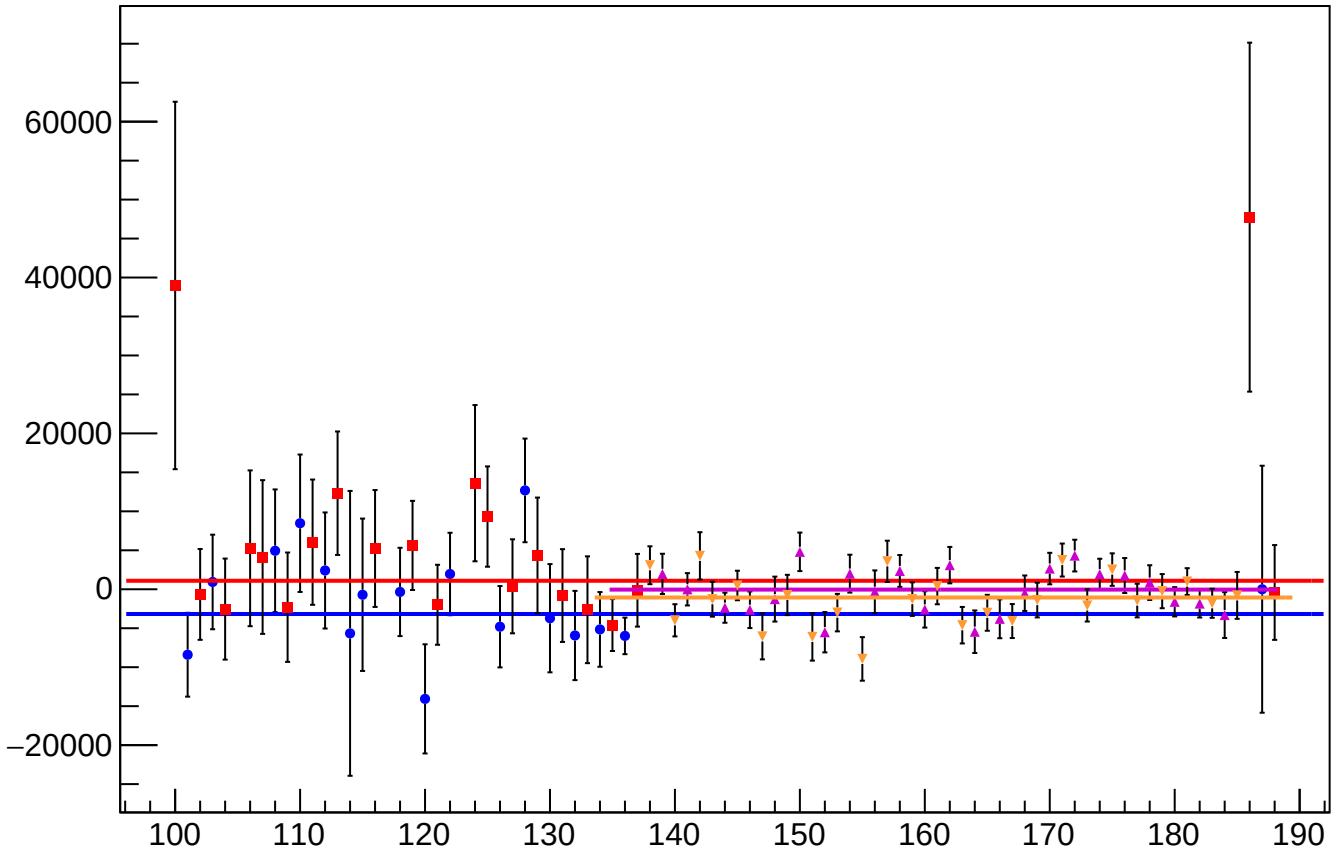
Left: 258.878+/-0.030 χ^2/NDF: 493695.6/47

Right: 318.647+/-0.057 χ^2/NDF: 1621625.0/37

In: 270.370+/-0.038 χ^2/NDF:1198714.5/39

Out: 272.818+/-0.037 χ^2/NDF:1765657.6/45

All: 271.633+/-0.027 χ^2/NDF: 2966497.1/85



Right In: -3175.467+/-1348.903 χ^2/NDF: 16.1/16

Left Out: -1059.232+/-454.653 χ^2/NDF:41.5/24

Right Out: 1090.623+/-1403.349 χ^2/NDF: 18.4/20

Left In: -44.348+/-470.700 χ^2/NDF:34.2/22

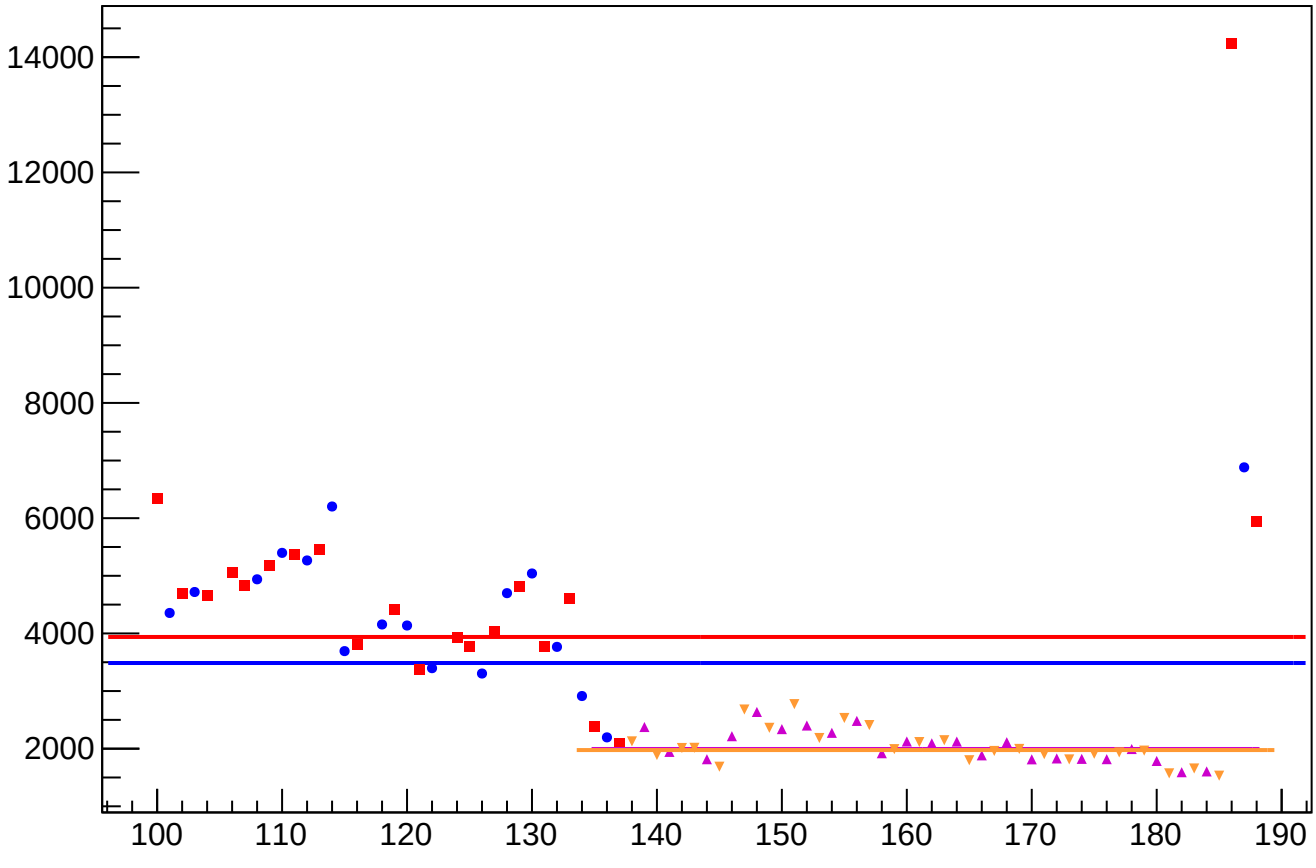
Left: -569.385+/-327.014 χ^2/NDF: 78.1/47

Right: -1126.782+/-972.497 χ^2/NDF: 39.3/37

In: -384.227+/-444.420 χ^2/NDF:55.1/39

Out: -855.016+/-432.520 χ^2/NDF:62.0/45

All: -626.009+/-309.959 χ^2/NDF: 117.7/85



Right In: 3486.712+/-0.954 χ^2/NDF: 1402071.1/16

Left Out: 1975.967+/-0.321 χ^2/NDF:763328.1/24

Right Out: 3938.595+/-0.992 χ^2/NDF: 1801343.8/20

Left In: 1994.760+/-0.333 χ^2/NDF:599996.2/22

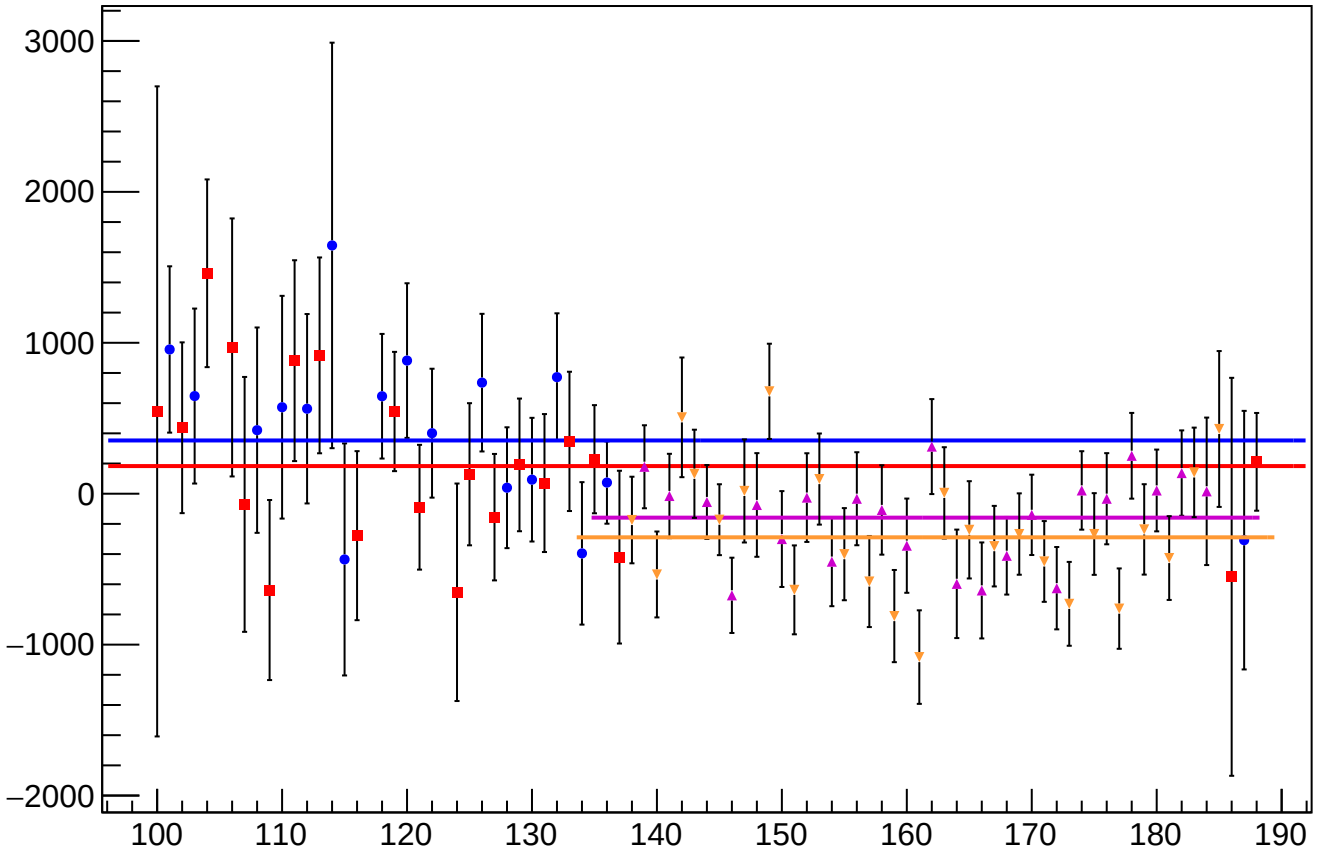
Left: 1985.038+/-0.231 χ^2/NDF: 1364973.6/47

Right: 3703.717+/-0.688 χ^2/NDF: 3311201.9/37

In: 2156.710+/-0.314 χ^2/NDF:4183167.6/39

Out: 2162.399+/-0.306 χ^2/NDF:6104871.2/45

All: 2159.632+/-0.219 χ^2/NDF: 10288207.2/8



Right In: 352.803+/-117.745 χ^2/NDF: 12.1/16

Left Out: -288.928+/-59.035 χ^2/NDF:42.4/24

Right Out: 183.103+/-112.279 χ^2/NDF: 15.3/20

Left In: -158.612+/-60.708 χ^2/NDF:22.5/22

Left: -225.590+/-42.323 χ^2/NDF: 67.3/47

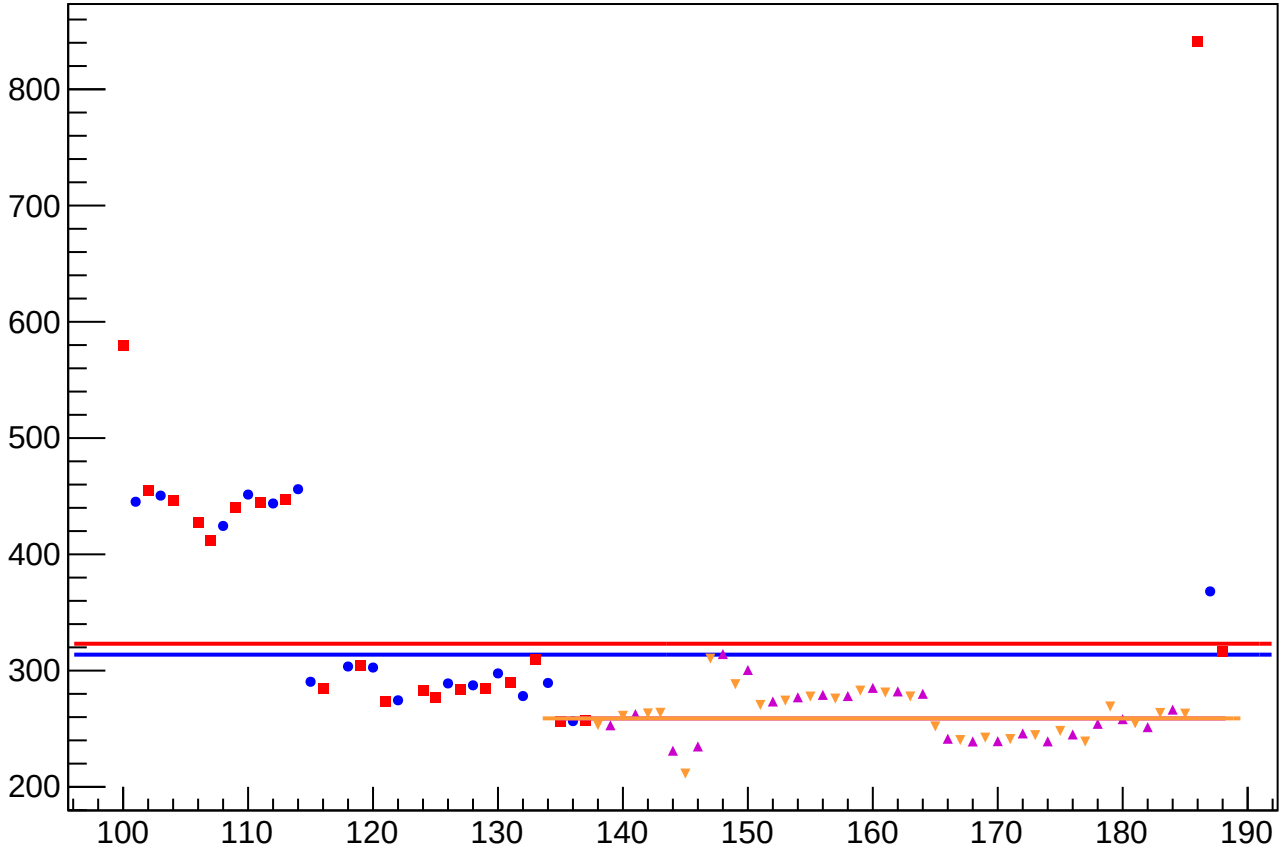
Right: 263.923+/-81.257 χ^2/NDF: 28.4/37

In: -51.213+/-53.958 χ^2/NDF:49.5/39

Out: -186.695+/-52.252 χ^2/NDF:71.5/45

All: -121.129+/-37.536 χ^2/NDF: 124.3/85

eigen_cor_asym_sam2_rms vs Slug, Sign Corrected



Right In: 313.730+/-0.083 χ^2/NDF: 610429.1/16

Left Out: 258.912+/-0.042 χ^2/NDF:248740.9/24

Right Out: 323.119+/-0.079 χ^2/NDF: 1004536.0/20

Left In: 258.843+/-0.043 χ^2/NDF:244953.3/22

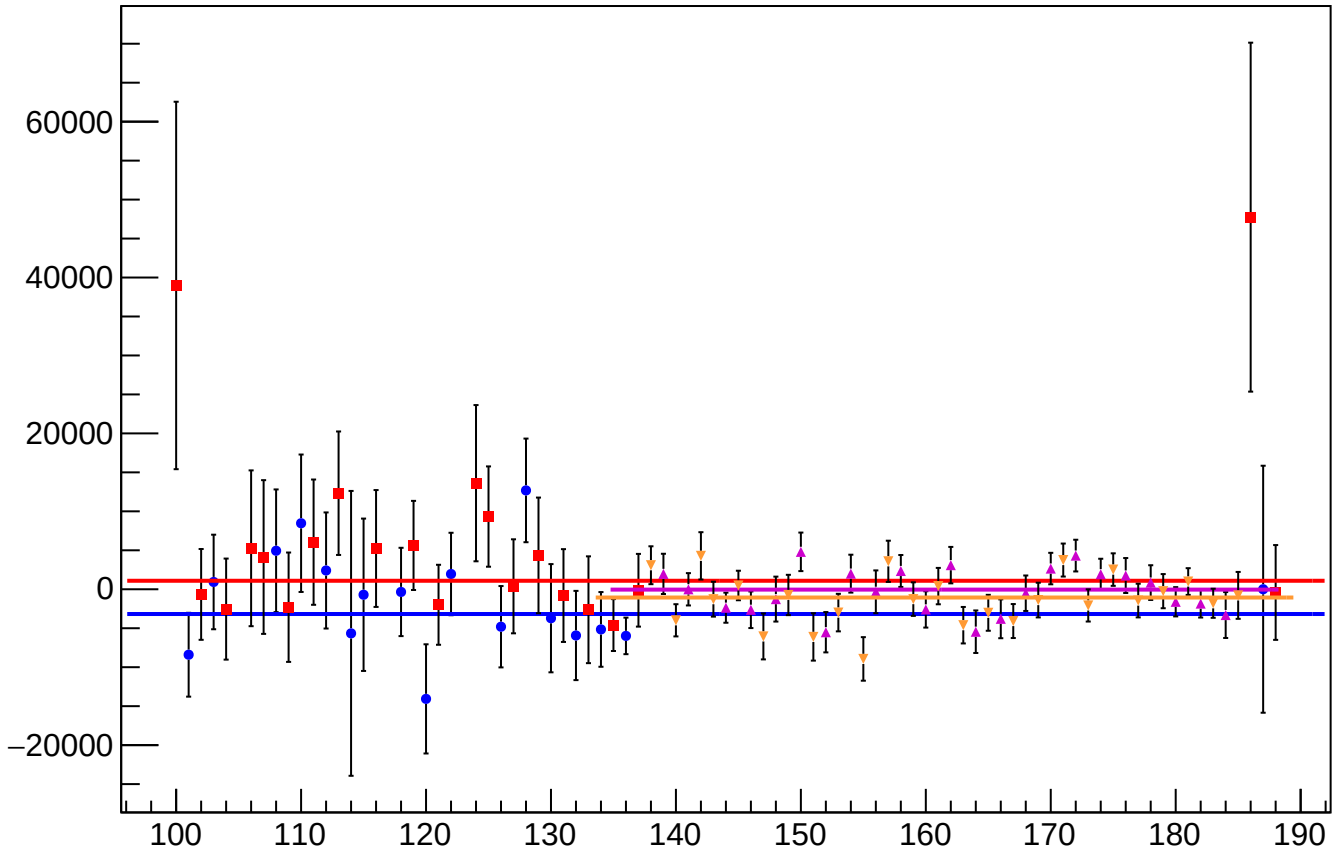
Left: 258.878+/-0.030 χ^2/NDF: 493695.6/47

Right: 318.647+/-0.057 χ^2/NDF: 1621625.0/37

In: 270.370+/-0.038 χ^2/NDF:1198714.5/39

Out: 272.818+/-0.037 χ^2/NDF:1765657.6/45

All: 271.633+/-0.027 χ^2/NDF: 2966497.1/85



Right In: -3175.467+/-1348.903 χ^2/NDF: 16.1/16

Left Out: -1059.232+/-454.653 χ^2/NDF:41.5/24

Right Out: 1090.623+/-1403.349 χ^2/NDF: 18.4/20

Left In: -44.348+/-470.700 χ^2/NDF:34.2/22

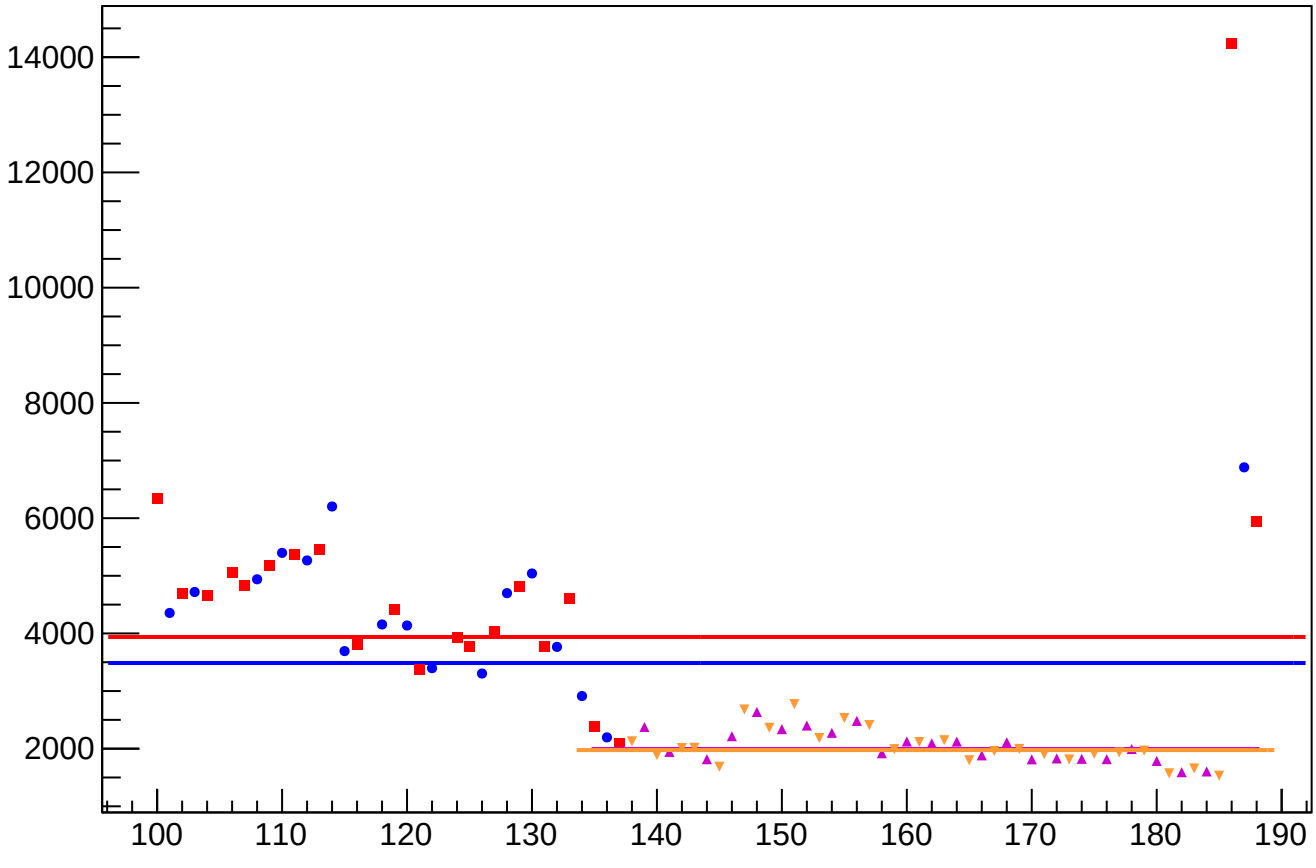
Left: -569.385+/-327.014 χ^2/NDF: 78.1/47

Right: -1126.782+/-972.497 χ^2/NDF: 39.3/37

In: -384.227+/-444.420 χ^2/NDF:55.1/39

Out: -855.016+/-432.520 χ^2/NDF:62.0/45

All: -626.009+/-309.959 χ^2/NDF: 117.7/85



Right In: 3486.712+/-0.954 χ^2/NDF: 1402071.1/16

Left Out: 1975.967+/-0.321 χ^2/NDF:763328.1/24

Right Out: 3938.595+/-0.992 χ^2/NDF: 1801343.8/20

Left In: 1994.760+/-0.333 χ^2/NDF:599996.2/22

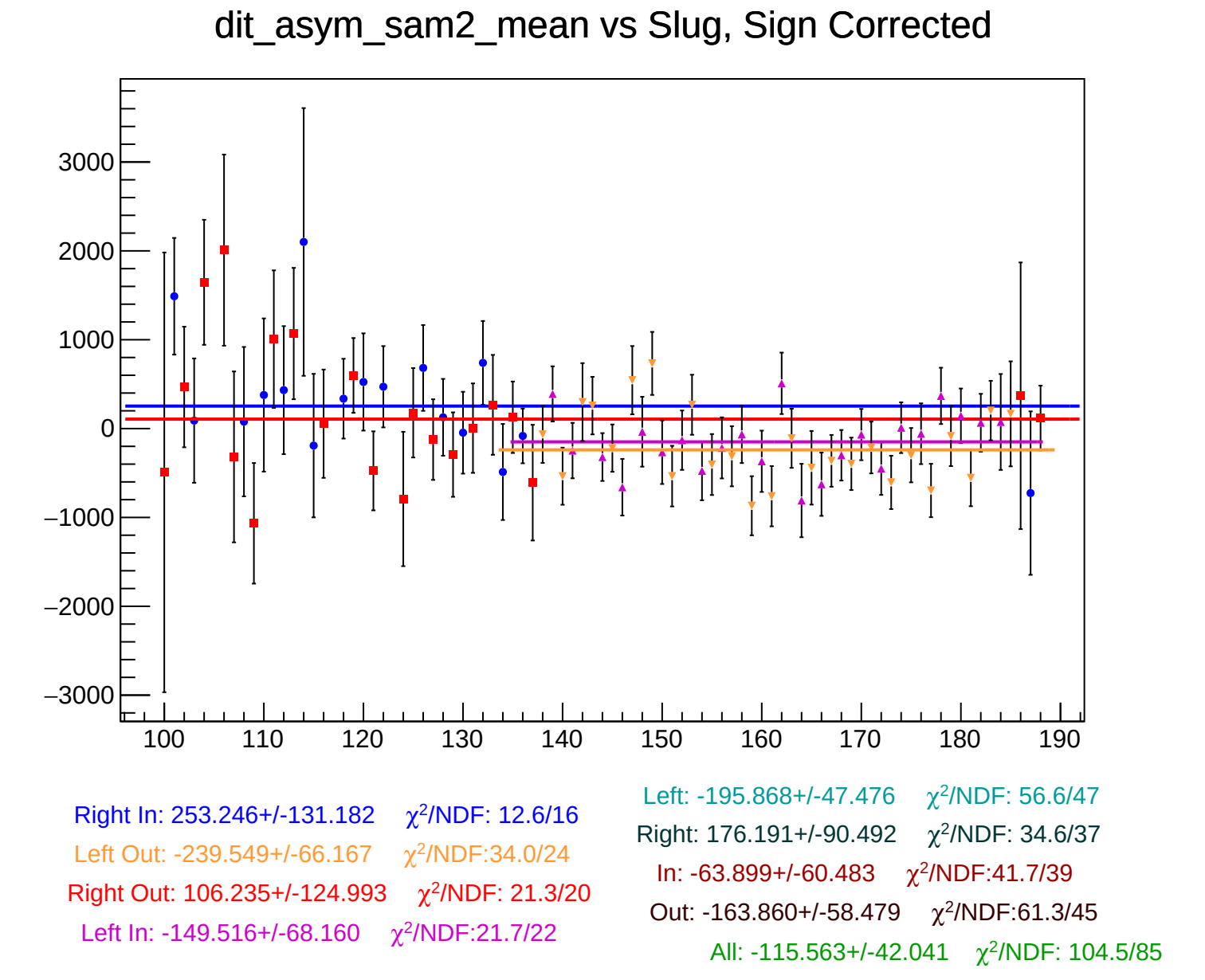
Left: 1985.038+/-0.231 χ^2/NDF: 1364973.6/47

Right: 3703.717+/-0.688 χ^2/NDF: 3311201.9/37

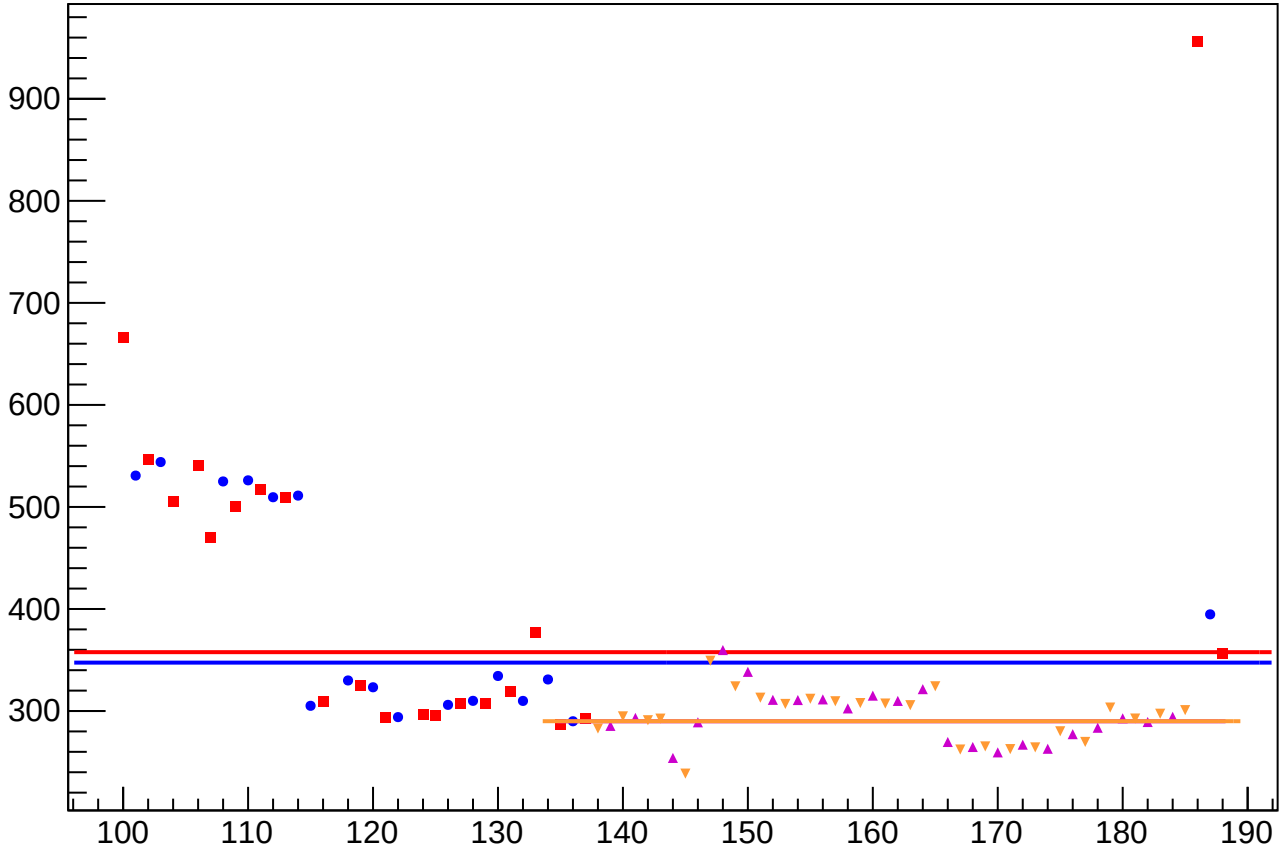
In: 2156.710+/-0.314 χ^2/NDF:4183167.6/39

Out: 2162.399+/-0.306 χ^2/NDF:6104871.2/45

All: 2159.632+/-0.219 χ^2/NDF: 10288207.2/8


dit_asym_sam2_mean vs Slug, Sign Corrected
3000
2000
1000
0
−1000
−2000
−3000
100
110
120
130
140
150
160
170
180
190
Right In: 253.246+/-131.182 χ²/NDF: 12.6/16
Left Out: -239.549+/-66.167 χ²/NDF:34.0/24
Right Out: 106.235+/-124.993 χ²/NDF: 21.3/20
Left In: -149.516+/-68.160 χ²/NDF:21.7/22
Left: -195.868+/-47.476 χ²/NDF: 56.6/47
Right: 176.191+/-90.492 χ²/NDF: 34.6/37
In: -63.899+/-60.483 χ²/NDF:41.7/39
Out: -163.860+/-58.479 χ²/NDF:61.3/45
All: -115.563+/-42.041 χ²/NDF: 104.5/85

dit_asym_sam2_rms vs Slug, Sign Corrected



Right In: 347.437+/-0.093 χ^2/NDF: 774164.2/16

Left Out: 290.023+/-0.047 χ^2/NDF:280647.1/24

Right Out: 357.685+/-0.088 χ^2/NDF: 1186538.2/20

Left In: 289.941+/-0.048 χ^2/NDF:269669.5/22

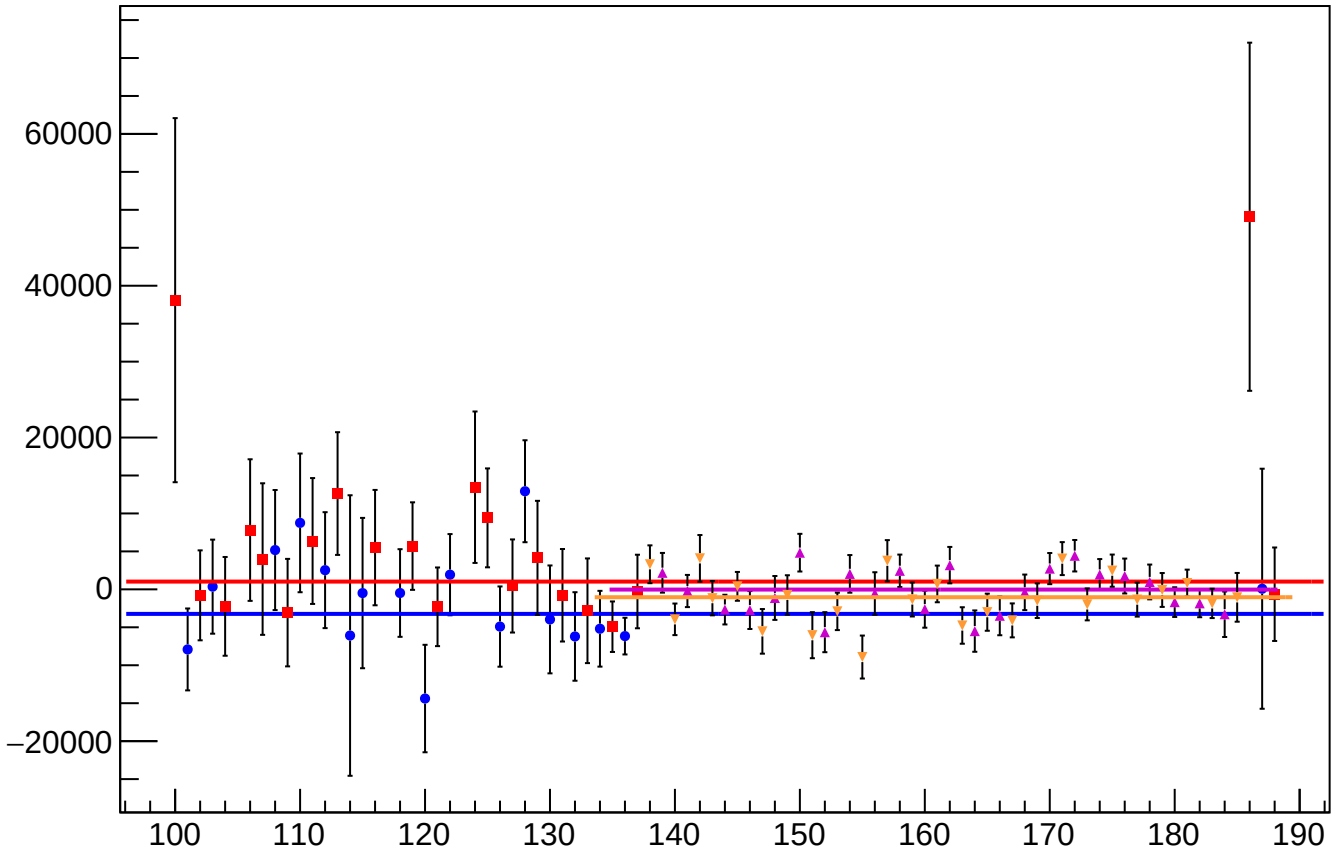
Left: 289.983+/-0.034 χ^2/NDF: 550318.1/47

Right: 352.809+/-0.064 χ^2/NDF: 1967100.0/37

In: 302.163+/-0.043 χ^2/NDF:1346360.4/39

Out: 304.834+/-0.041 χ^2/NDF:1924977.0/45

All: 303.543+/-0.030 χ^2/NDF: 3273352.0/85



Right In: -3233.456+/-1378.867 χ^2/NDF: 16.1/16

Left Out: -1036.592+/-465.324 χ^2/NDF:40.3/24

Right Out: 1022.444+/-1418.555 χ^2/NDF: 19.1/20

Left In: -30.393+/-482.280 χ^2/NDF:34.1/22

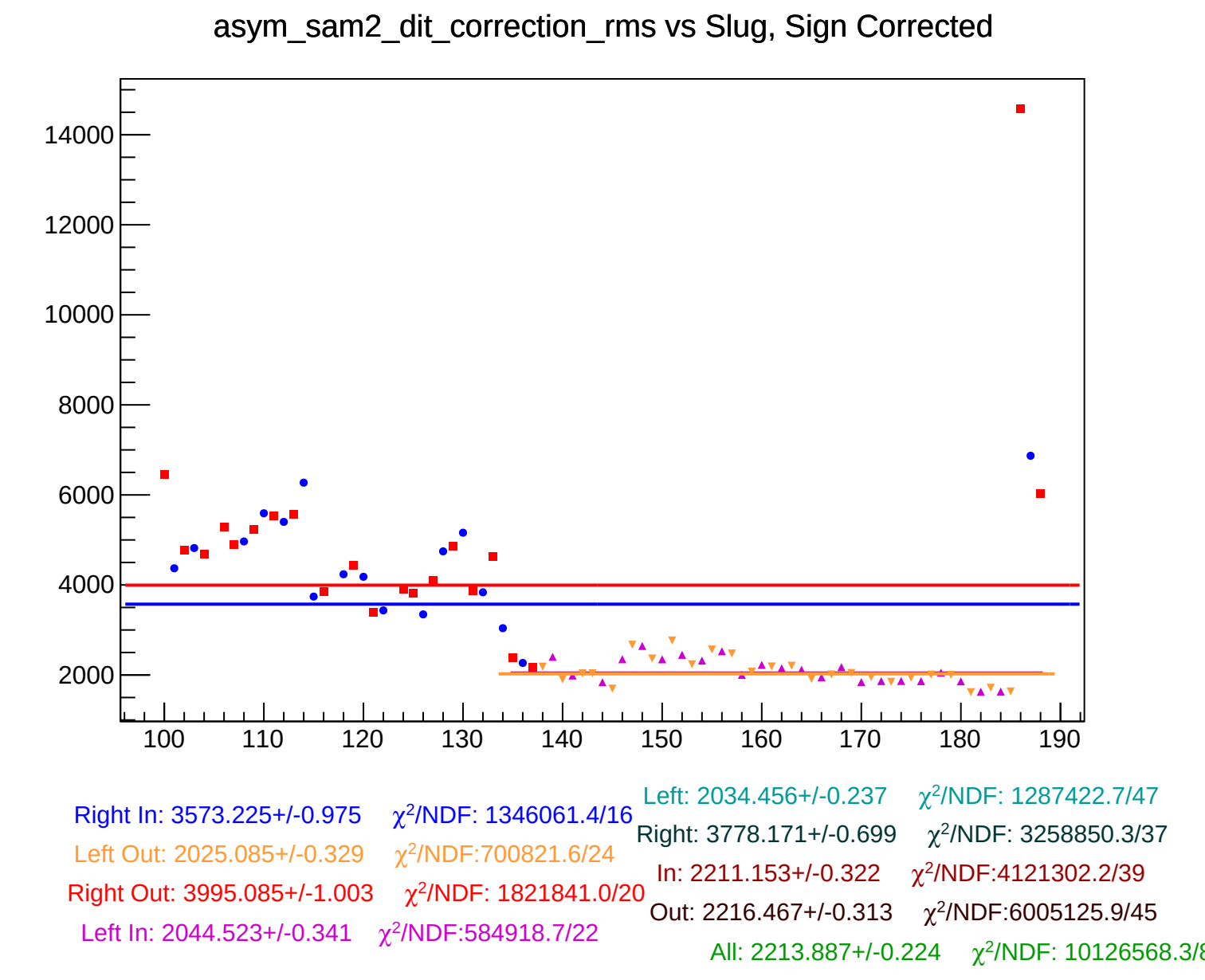
Left: -551.492+/-334.868 χ^2/NDF: 76.7/47

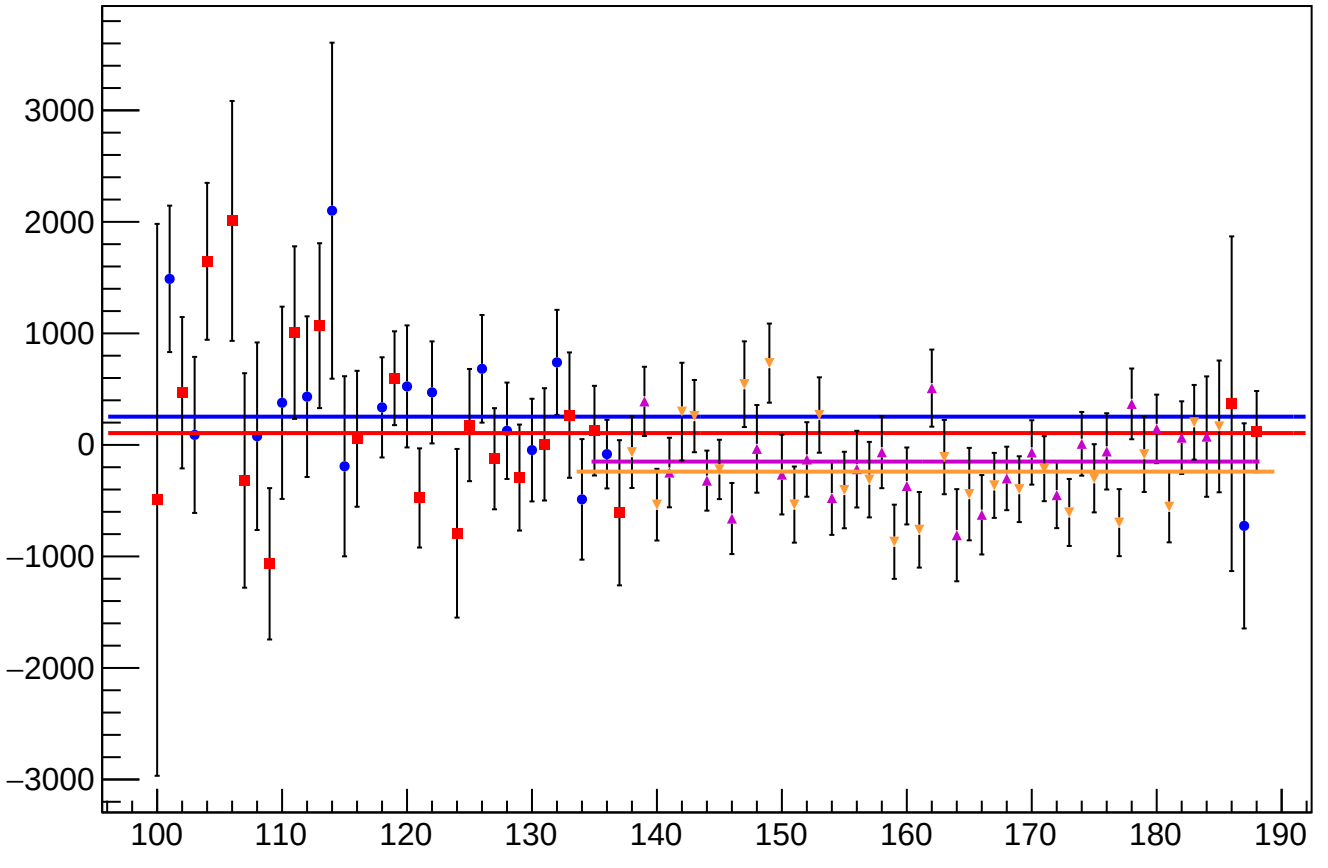
Right: -1165.873+/-988.739 χ^2/NDF: 39.8/37

In: -379.531+/-455.238 χ^2/NDF:55.0/39

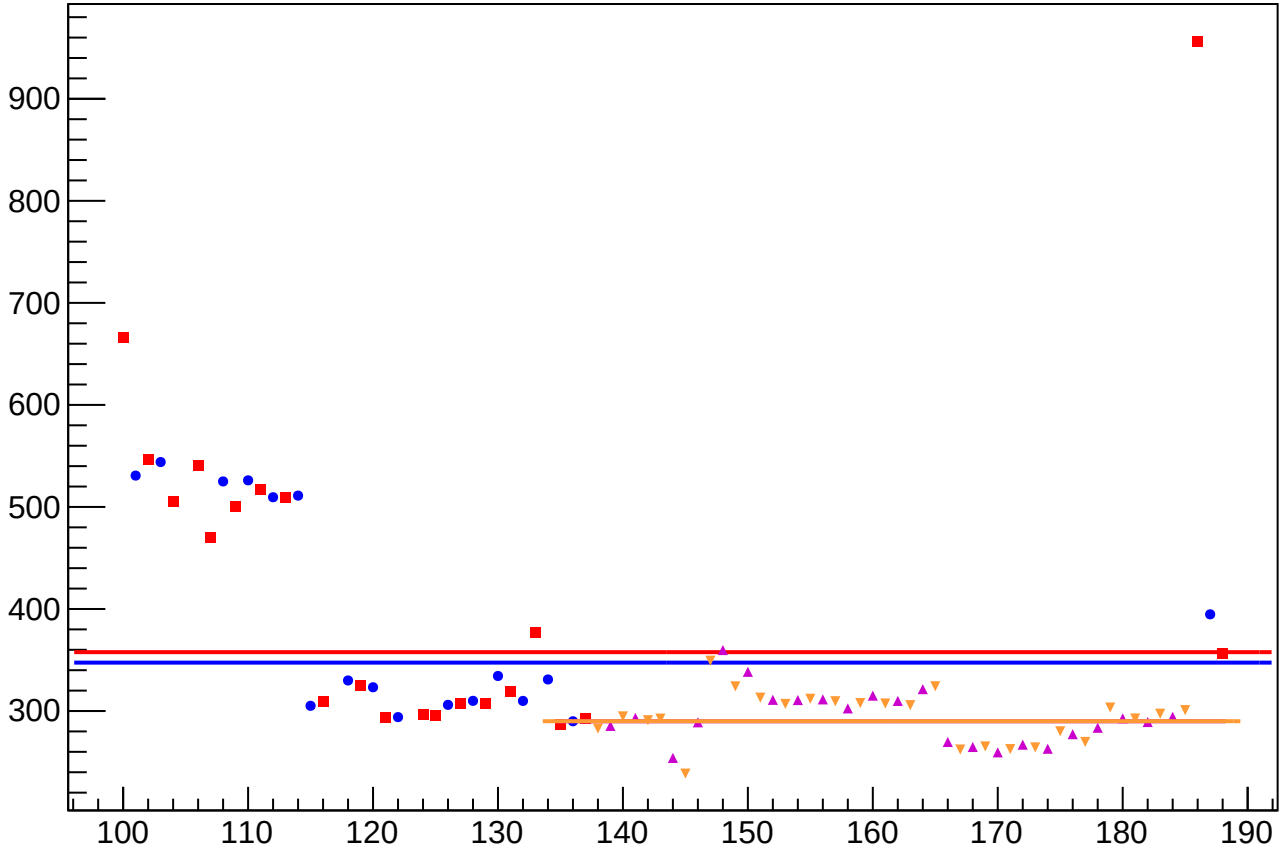
Out: -836.560+/-442.144 χ^2/NDF:61.3/45

All: -614.713+/-317.171 χ^2/NDF: 116.8/85


asym_sam2_dit_correction_rms vs Slug, Sign Corrected
14000
12000
10000
8000
6000
4000
2000
100
110
120
130
140
150
160
170
180
190
Right In: 3573.225+/-0.975 χ²/NDF: 1346061.4/16
Left Out: 2025.085+/-0.329 χ²/NDF:700821.6/24
Right Out: 3995.085+/-1.003 χ²/NDF: 1821841.0/20
Left In: 2044.523+/-0.341 χ²/NDF:584918.7/22
Left: 2034.456+/-0.237 χ²/NDF: 1287422.7/47
Right: 3778.171+/-0.699 χ²/NDF: 3258850.3/37
In: 2211.153+/-0.322 χ²/NDF:4121302.2/39
Out: 2216.467+/-0.313 χ²/NDF:6005125.9/45
All: 2213.887+/-0.224 χ²/NDF: 10126568.3/8


eigen_dit_asym_sam2_mean vs Slug, Sign Corrected
3000
2000
1000
0
−1000
−2000
−3000
100
110
120
130
140
150
160
170
180
190
Right In: 253.250+/-131.182 χ²/NDF: 12.6/16
Left Out: -239.552+/-66.167 χ²/NDF:34.0/24
Right Out: 106.236+/-124.992 χ²/NDF: 21.3/20
Left In: -149.517+/-68.160 χ²/NDF:21.7/22
Left: -195.870+/-47.476 χ²/NDF: 56.6/47
Right: 176.193+/-90.492 χ²/NDF: 34.6/37
In: -63.898+/-60.483 χ²/NDF:41.7/39
Out: -163.862+/-58.479 χ²/NDF:61.3/45
All: -115.564+/-42.041 χ²/NDF: 104.5/85

eigen_dit_asym_sam2_rms vs Slug, Sign Corrected



Right In: 347.435+/-0.093 χ^2/NDF: 774156.5/16

Left Out: 290.023+/-0.047 χ^2/NDF:280652.8/24

Right Out: 357.684+/-0.088 χ^2/NDF: 1186525.8/20

Left In: 289.941+/-0.048 χ^2/NDF:269671.9/22

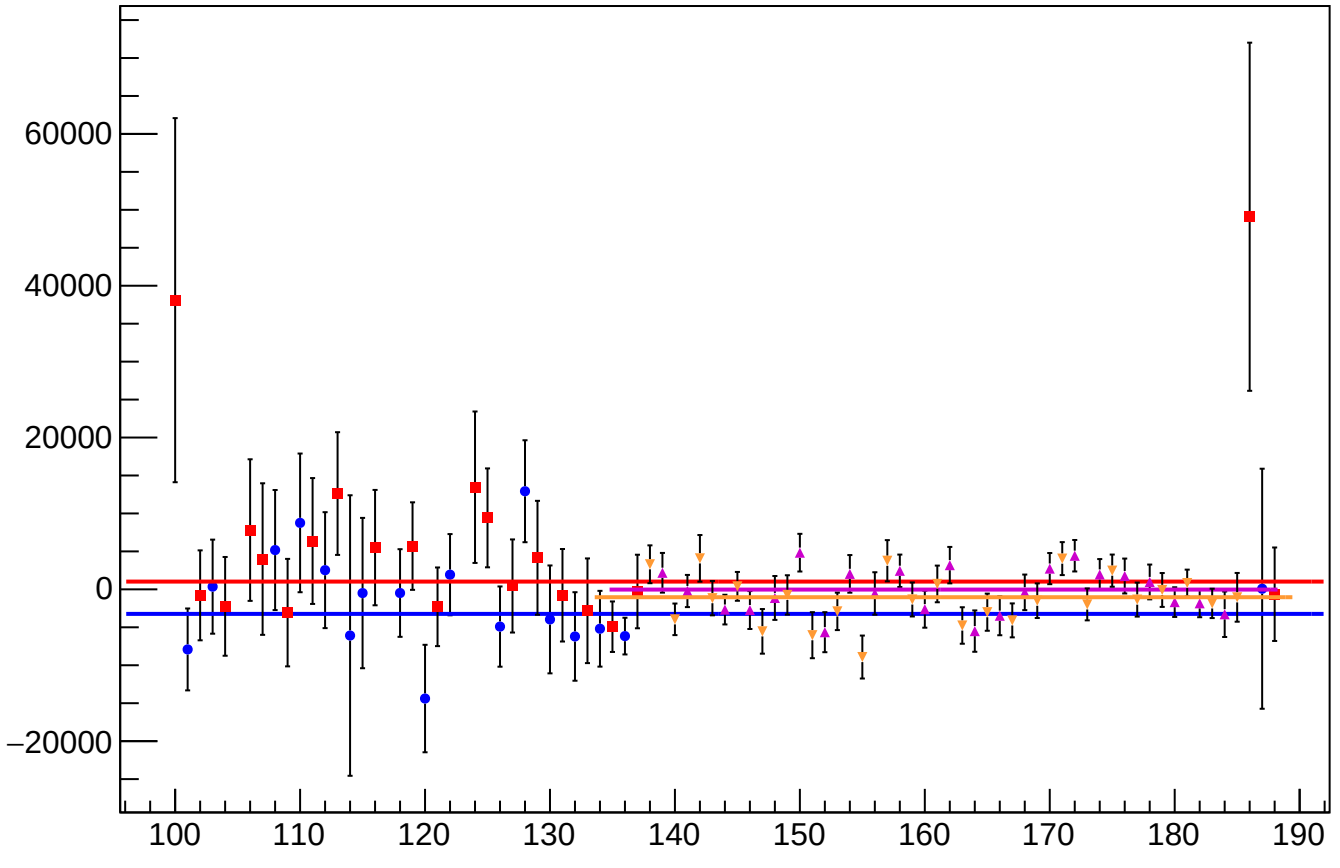
Left: 289.983+/-0.034 χ^2/NDF: 550326.2/47

Right: 352.807+/-0.064 χ^2/NDF: 1967081.2/37

In: 302.163+/-0.043 χ^2/NDF:1346337.0/39

Out: 304.833+/-0.041 χ^2/NDF:1924957.8/45

All: 303.543+/-0.030 χ^2/NDF: 3273309.8/85



Right In: -3233.448+/-1378.865 χ^2/NDF: 16.1/16

Left Out: -1036.591+/-465.324 χ^2/NDF:40.3/24

Right Out: 1022.448+/-1418.553 χ^2/NDF: 19.1/20

Left In: -30.392+/-482.280 χ^2/NDF:34.1/22

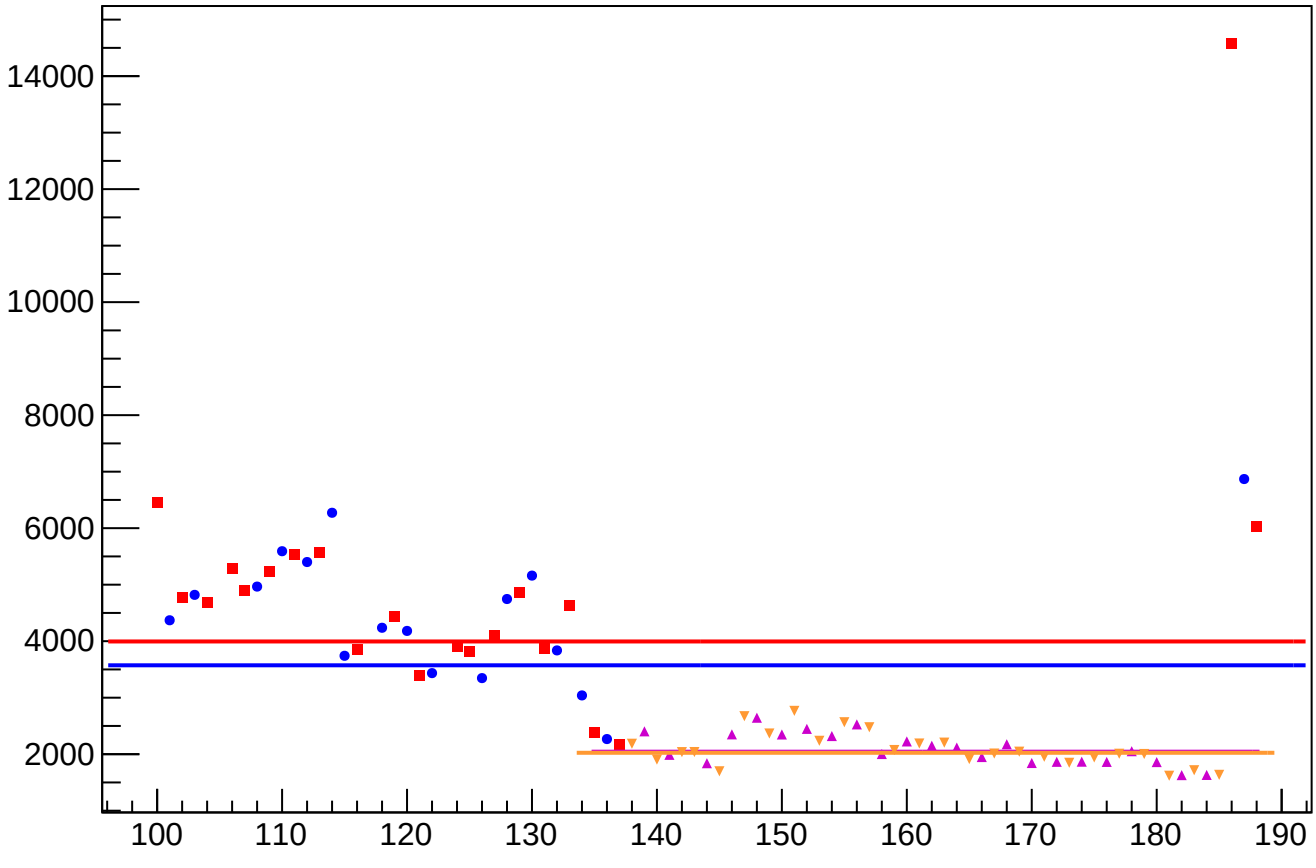
Left: -551.491+/-334.868 χ^2/NDF: 76.7/47

Right: -1165.867+/-988.738 χ^2/NDF: 39.8/37

In: -379.530+/-455.238 χ^2/NDF:55.0/39

Out: -836.559+/-442.144 χ^2/NDF:61.3/45

All: -614.711+/-317.171 χ^2/NDF: 116.8/85



Right In: 3573.221+/-0.975 χ^2/NDF: 1346047.4/16

Left Out: 2025.085+/-0.329 χ^2/NDF:700825.4/24

Right Out: 3995.080+/-1.003 χ^2/NDF: 1821832.0/20

Left In: 2044.522+/-0.341 χ^2/NDF:584922.7/22

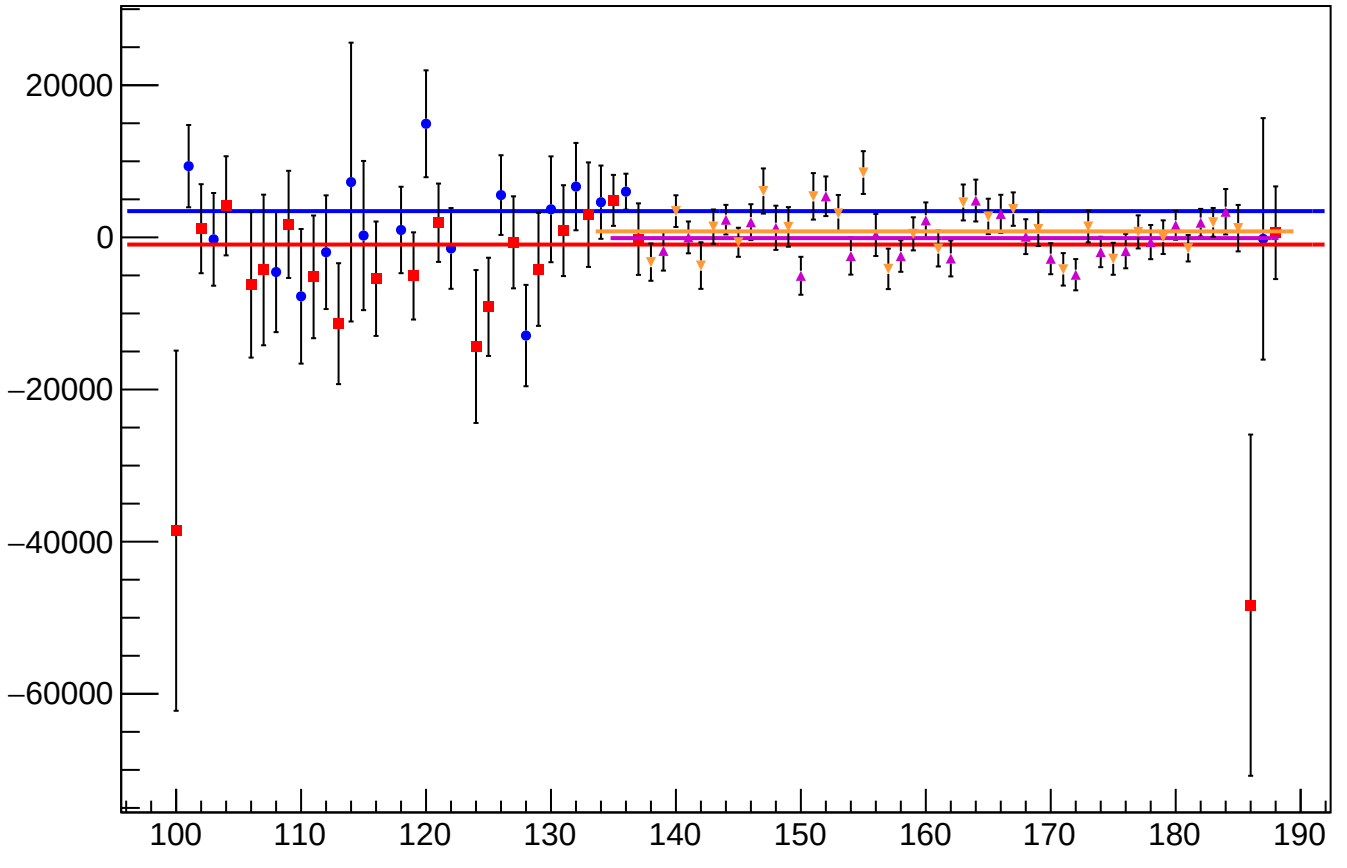
Left: 2034.456+/-0.237 χ^2/NDF: 1287430.5/47

Right: 3778.167+/-0.699 χ^2/NDF: 3258827.0/37

In: 2211.153+/-0.322 χ^2/NDF:4121288.8/39

Out: 2216.467+/-0.313 χ^2/NDF:6005112.1/45

All: 2213.888+/-0.224 χ^2/NDF: 10126541.2/8



Right In: 3451.567+/-1355.387 χ^2/NDF: 16.4/16

Left Out: 788.321+/-458.726 χ^2/NDF:41.3/24

Right Out: -942.696+/-1407.482 χ^2/NDF: 18.6/20

Left In: -96.730+/-474.825 χ^2/NDF:32.8/22

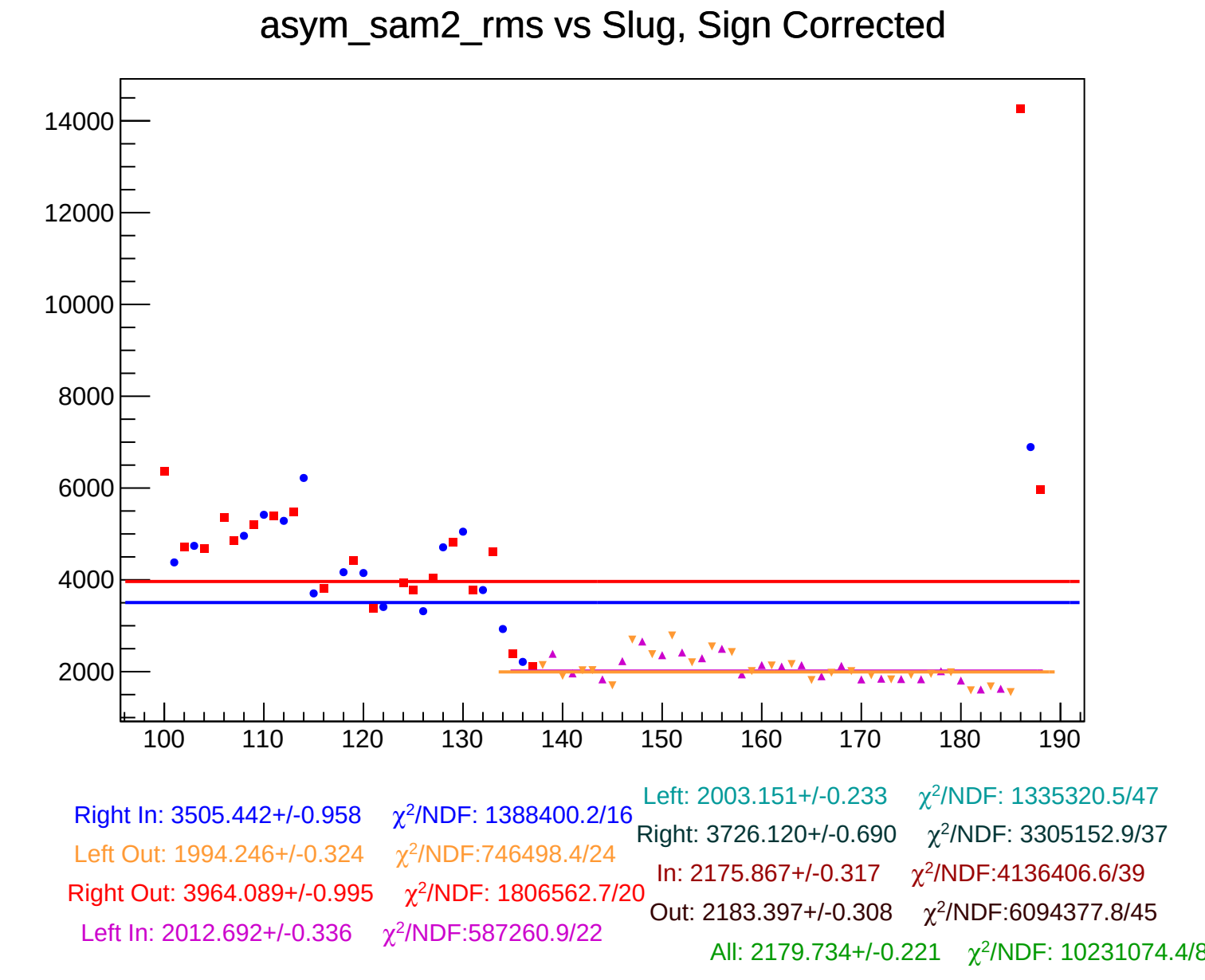
Left: 361.054+/-329.913 χ^2/NDF: 76.0/47

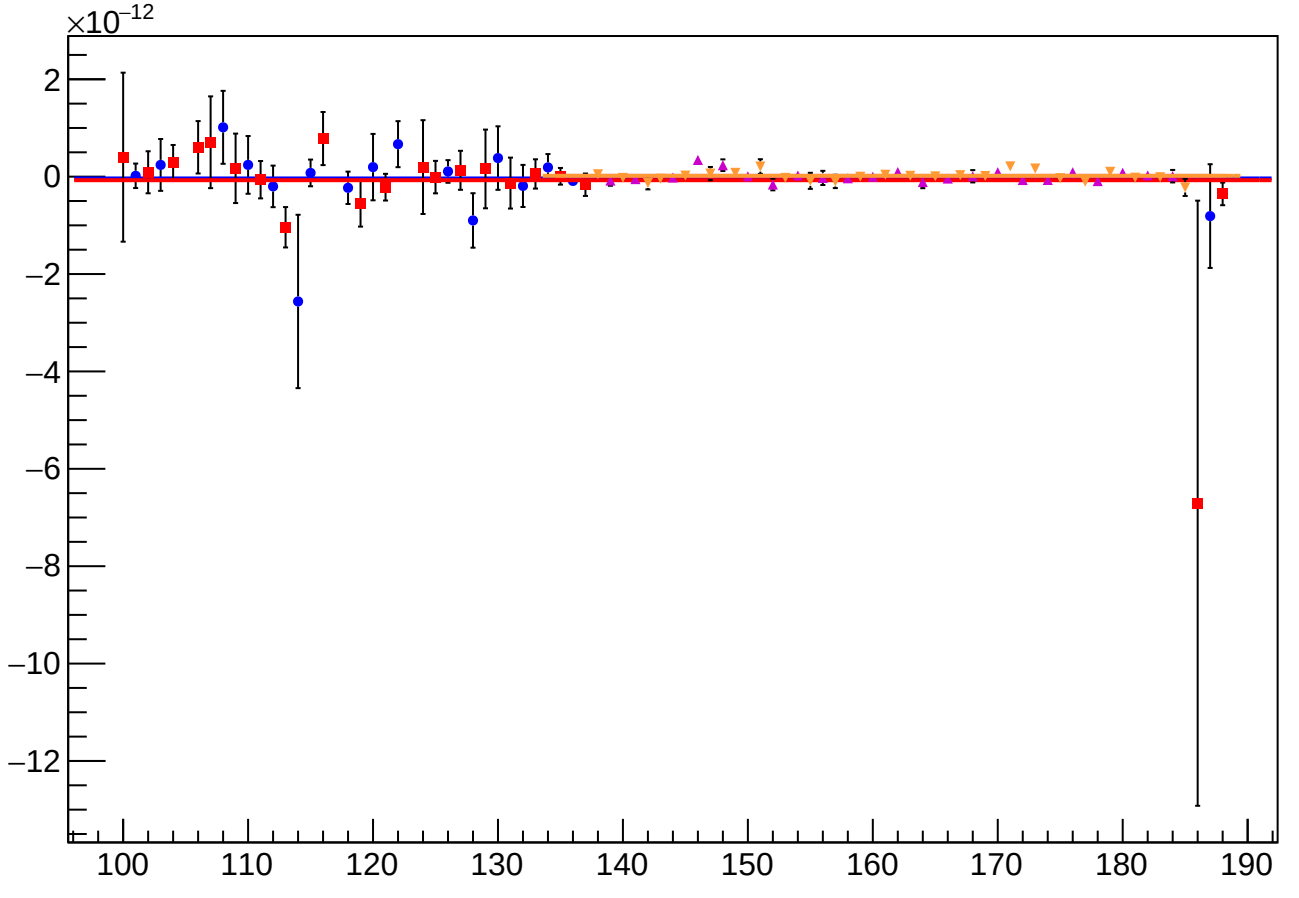
Right: 1337.262+/-976.301 χ^2/NDF: 40.0/37

In: 291.140+/-448.122 χ^2/NDF:55.3/39

Out: 622.102+/-436.146 χ^2/NDF:61.2/45

All: 461.103+/-312.550 χ^2/NDF: 116.8/85


asym_sam2_rms vs Slug, Sign Corrected
14000
12000
10000
8000
6000
4000
2000
100
110
120
130
140
150
160
170
180
190
Right In: 3505.442+/-0.958 χ²/NDF: 1388400.2/16
Left Out: 1994.246+/-0.324 χ²/NDF:746498.4/24
Right Out: 3964.089+/-0.995 χ²/NDF: 1806562.7/20
Left In: 2012.692+/-0.336 χ²/NDF:587260.9/22
Left: 2003.151+/-0.233 χ²/NDF: 1335320.5/47
Right: 3726.120+/-0.690 χ²/NDF: 3305152.9/37
In: 2175.867+/-0.317 χ²/NDF:4136406.6/39
Out: 2183.397+/-0.308 χ²/NDF:6094377.8/45
All: 2179.734+/-0.221 χ²/NDF: 10231074.4/8



Right In: -0.000+/-0.000 χ^2/NDF: 12.5/16

Left Out: 0.000+/-0.000 χ^2/NDF:21.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 16.3/20

Left In: 0.000+/-0.000 χ^2/NDF:30.6/22

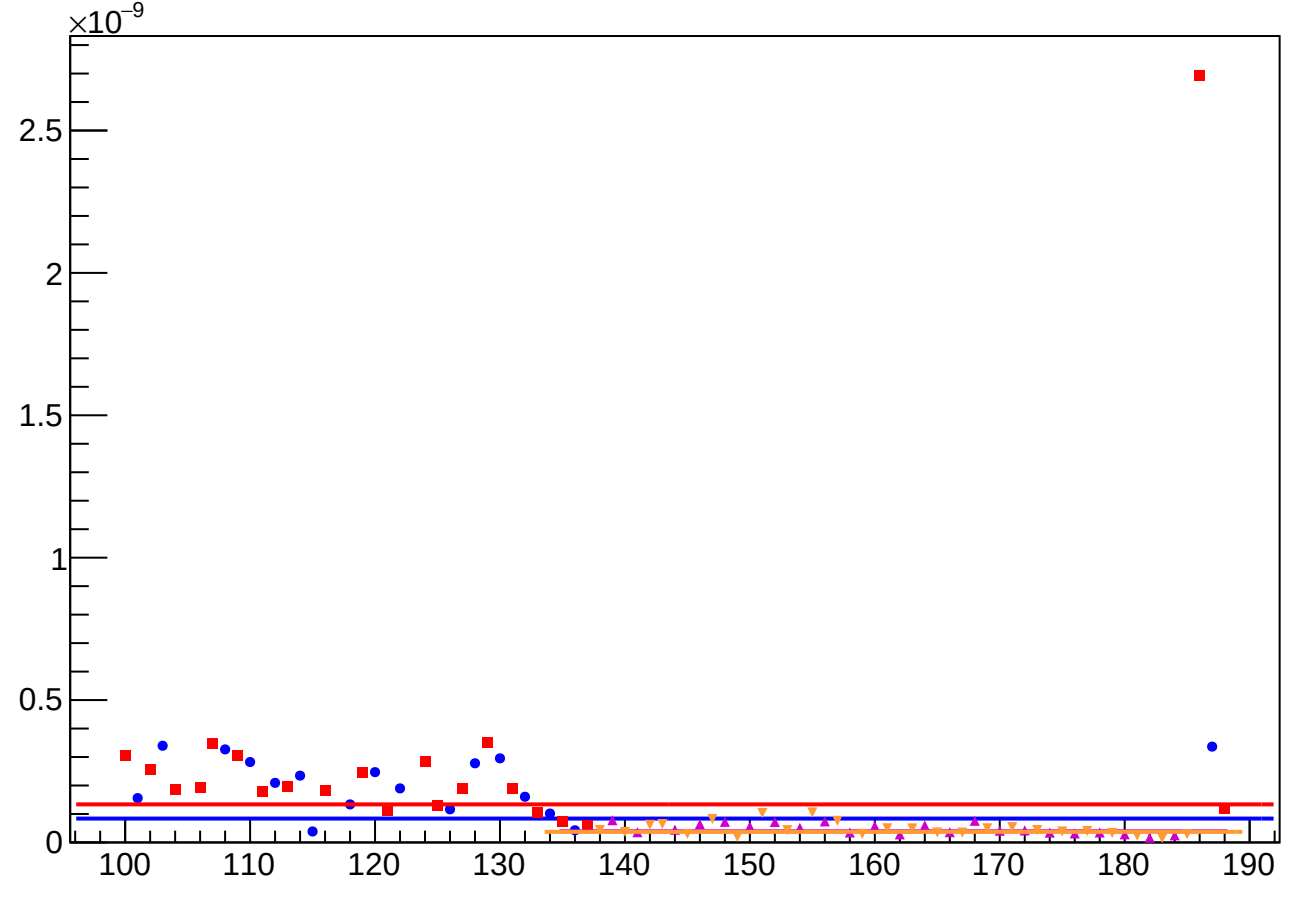
Left: 0.000+/-0.000 χ^2/NDF: 51.9/47

Right: -0.000+/-0.000 χ^2/NDF: 28.9/37

In: 0.000+/-0.000 χ^2/NDF:43.8/39

Out: 0.000+/-0.000 χ^2/NDF:38.8/45

All: 0.000+/-0.000 χ^2/NDF: 82.6/85



Right In: 0.000+/-0.000 χ^2/NDF: 2815254.6/16

Left Out: 0.000+/-0.000 χ^2/NDF:2323330.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 1750323.9/20

Left In: 0.000+/-0.000 χ^2/NDF:1921481.4/22

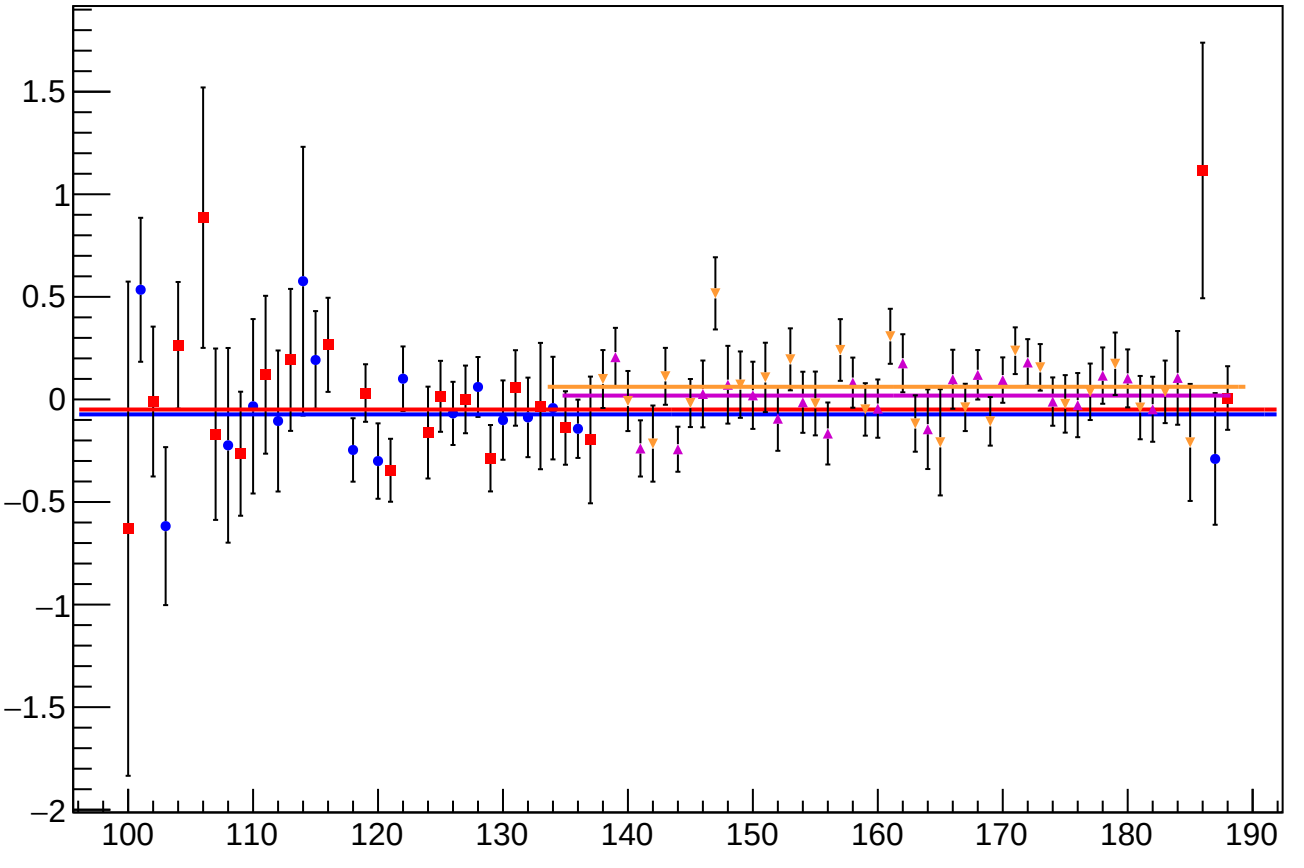
Left: 0.000+/-0.000 χ^2/NDF: 4258987.4/47

Right: 0.000+/-0.000 χ^2/NDF: 5061998.4/37

In: 0.000+/-0.000 χ^2/NDF:5753320.8/39

Out: 0.000+/-0.000 χ^2/NDF:6895828.1/45

All: 0.000+/-0.000 χ^2/NDF: 12658301.0/85



Right In: -0.073+/-0.051 χ^2/NDF: 12.9/16

Left Out: 0.062+/-0.029 χ^2/NDF:27.4/24

Right Out: -0.049+/-0.049 χ^2/NDF: 17.7/20

Left In: 0.019+/-0.029 χ^2/NDF:20.3/22

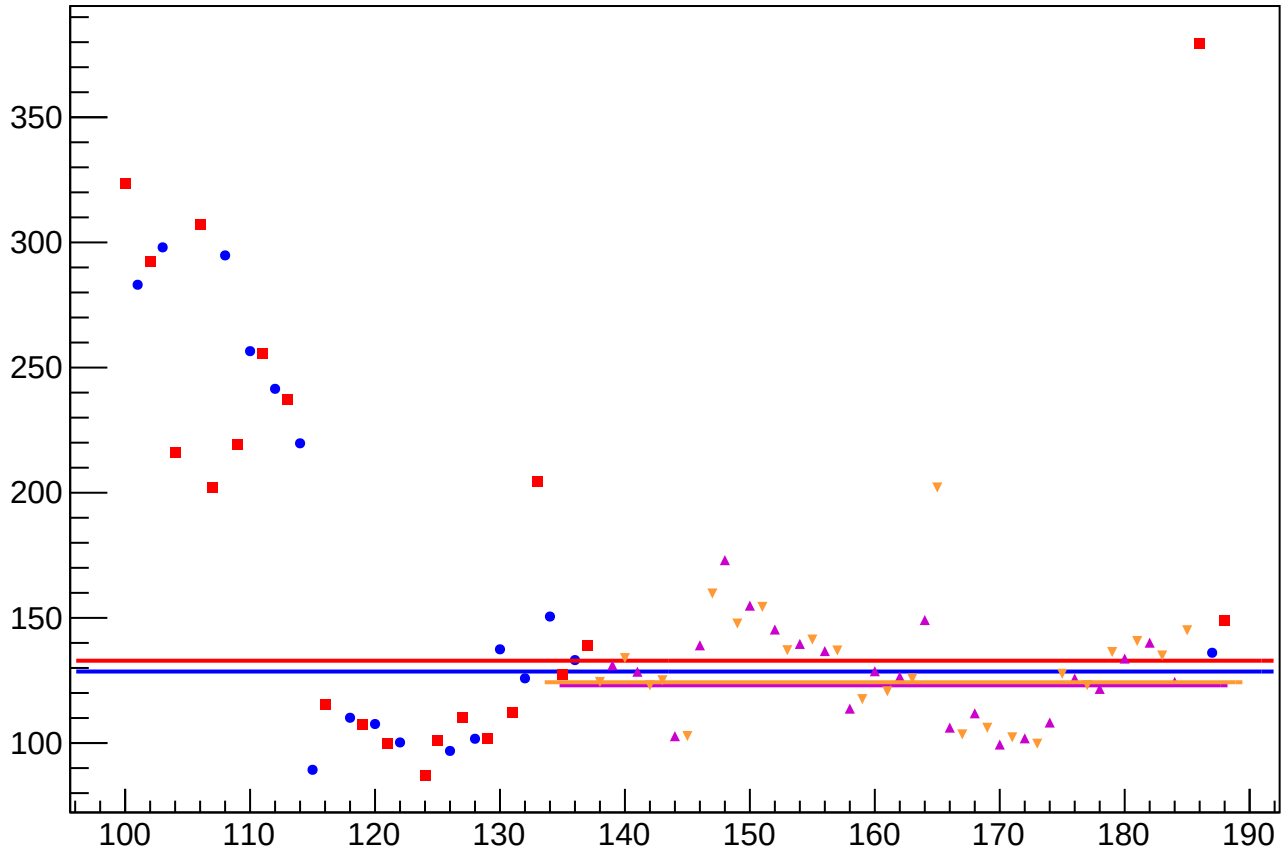
Left: 0.041+/-0.021 χ^2/NDF: 48.8/47

Right: -0.060+/-0.035 χ^2/NDF: 30.8/37

In: -0.004+/-0.025 χ^2/NDF:35.7/39

Out: 0.033+/-0.025 χ^2/NDF:49.0/45

All: 0.015+/-0.018 χ^2/NDF: 85.8/85



Right In: 128.575+/-0.036 χ^2/NDF: 1806198.3/16

Left Out: 124.292+/-0.020 χ^2/NDF:840983.3/24

Right Out: 132.894+/-0.035 χ^2/NDF: 2232564.2/20

Left In: 123.062+/-0.021 χ^2/NDF:718821.1/22

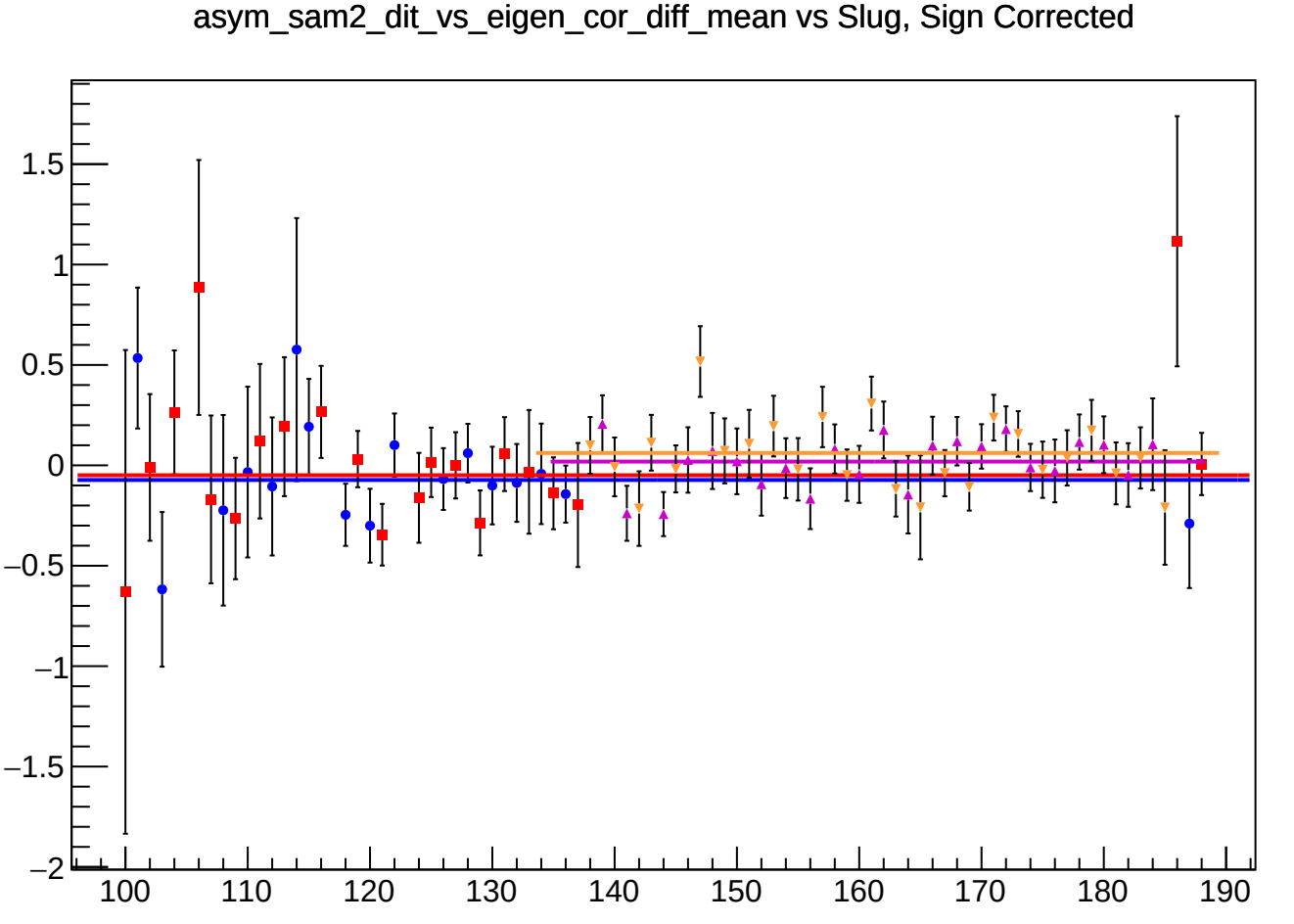
Left: 123.690+/-0.015 χ^2/NDF: 1561601.6/47

Right: 130.833+/-0.025 χ^2/NDF: 4046231.3/37

In: 124.428+/-0.018 χ^2/NDF:2542524.8/39

Out: 126.499+/-0.017 χ^2/NDF:3119706.9/45

All: 125.492+/-0.013 χ^2/NDF: 5669046.5/85



Right In: -0.073+/-0.051 χ^2/NDF: 12.9/16

Left Out: 0.062+/-0.029 χ^2/NDF:27.4/24

Right Out: -0.049+/-0.049 χ^2/NDF: 17.7/20

Left In: 0.019+/-0.029 χ^2/NDF:20.3/22

Left: 0.041+/-0.021 χ^2/NDF: 48.8/47

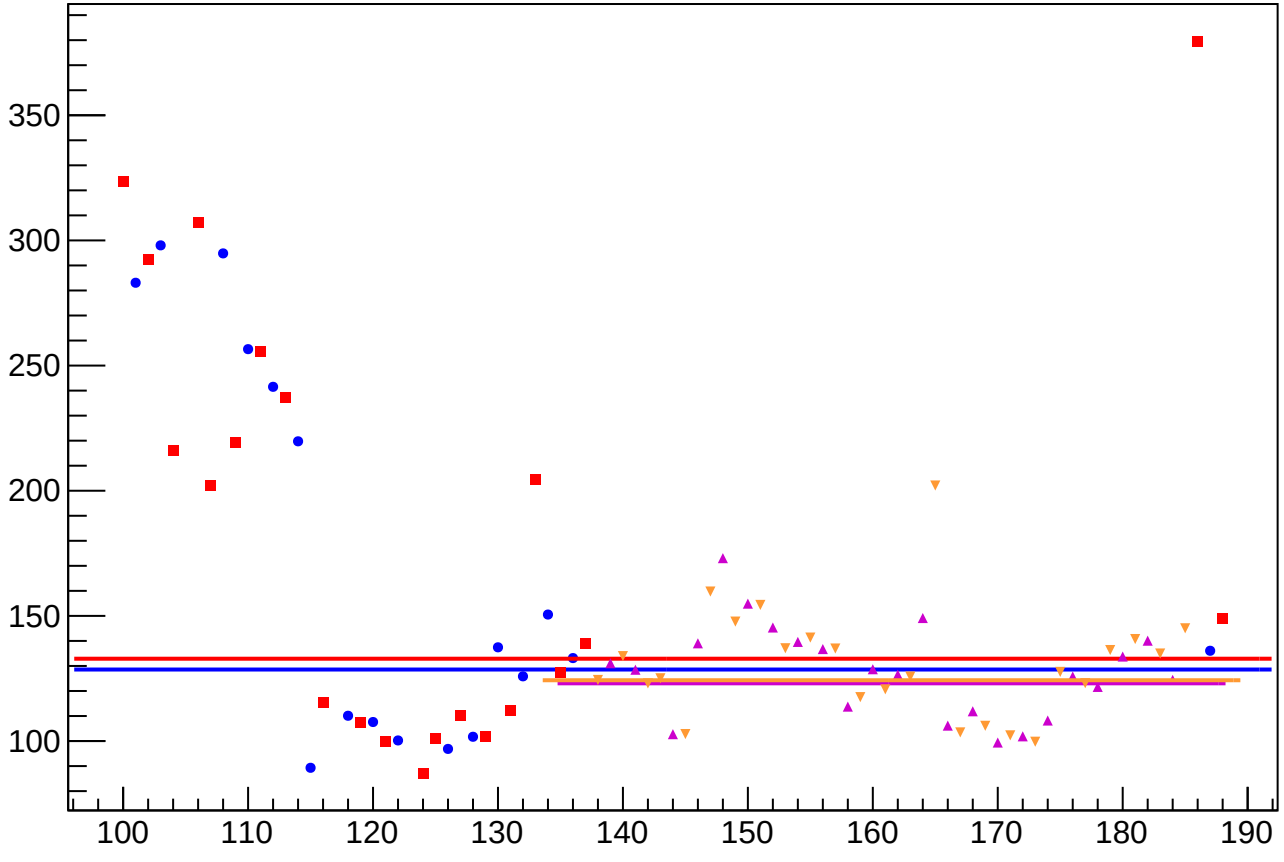
Right: -0.060+/-0.035 χ^2/NDF: 30.8/37

In: -0.004+/-0.025 χ^2/NDF:35.7/39

Out: 0.033+/-0.025 χ^2/NDF:49.0/45

All: 0.015+/-0.018 χ^2/NDF: 85.8/85

asym_sam2_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 128.575+/-0.036 χ^2/NDF: 1806198.3/16

Left Out: 124.292+/-0.020 χ^2/NDF:840983.3/24

Right Out: 132.894+/-0.035 χ^2/NDF: 2232564.2/20

Left In: 123.062+/-0.021 χ^2/NDF:718821.1/22

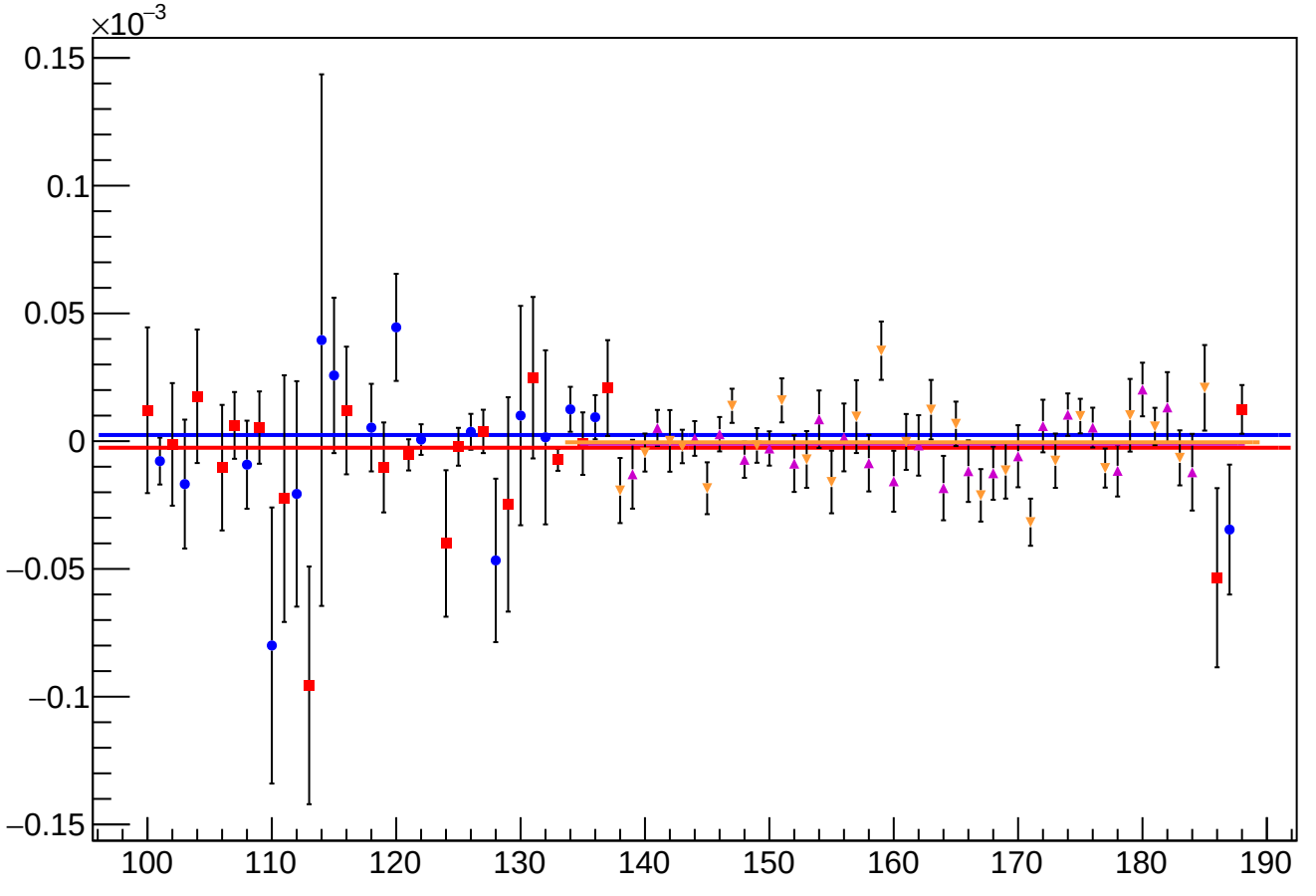
Left: 123.690+/-0.015 χ^2/NDF: 1561601.6/47

Right: 130.833+/-0.025 χ^2/NDF: 4046231.3/37

In: 124.428+/-0.018 χ^2/NDF:2542524.8/39

Out: 126.499+/-0.017 χ^2/NDF:3119706.9/45

All: 125.492+/-0.013 χ^2/NDF: 5669046.5/85



Right In: 0.000+/-0.000 χ^2/NDF: 16.2/16

Left Out: -0.000+/-0.000 χ^2/NDF:52.5/24

Right Out: -0.000+/-0.000 χ^2/NDF: 17.3/20

Left In: -0.000+/-0.000 χ^2/NDF:20.0/22

Left: -0.000+/-0.000 χ^2/NDF: 72.5/47

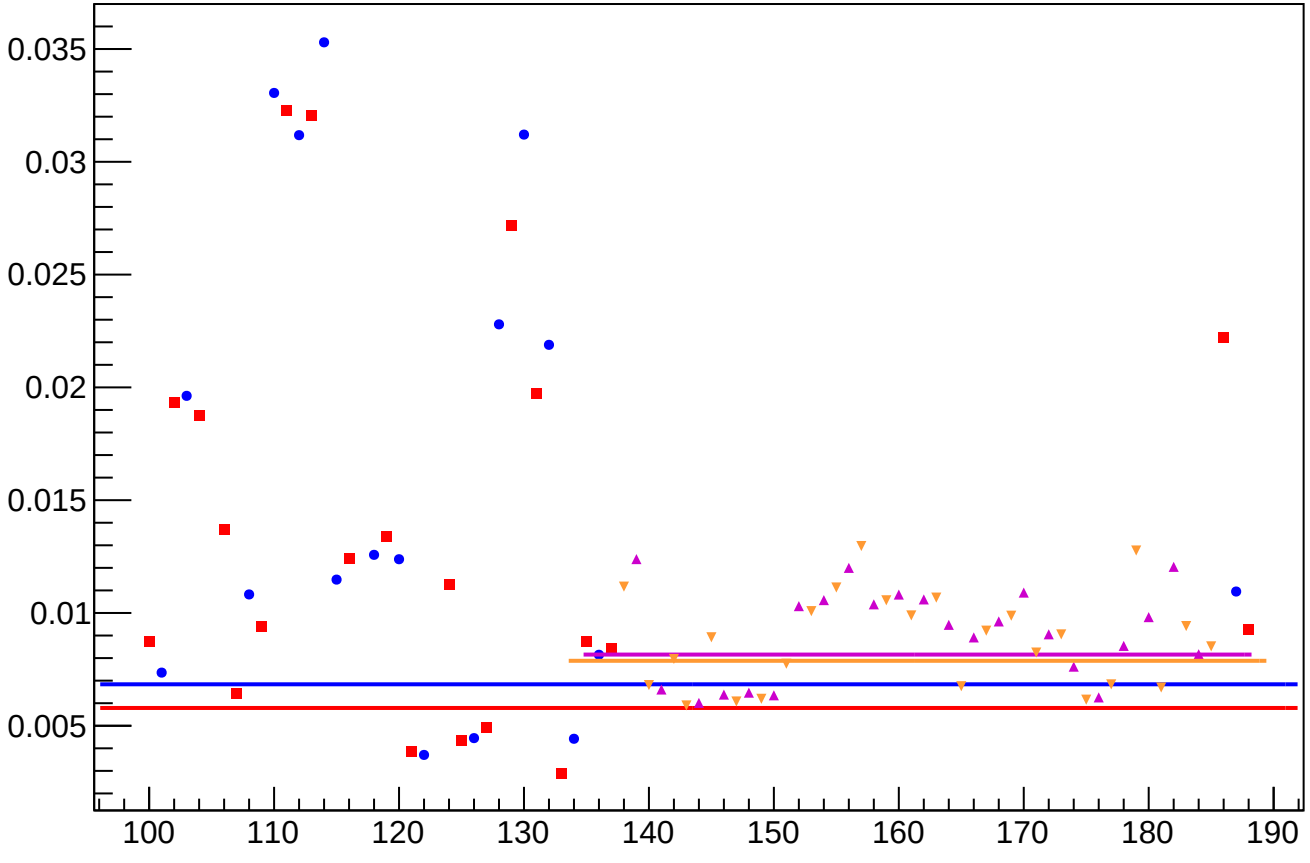
Right: -0.000+/-0.000 χ^2/NDF: 35.1/37

In: -0.000+/-0.000 χ^2/NDF:37.0/39

Out: -0.000+/-0.000 χ^2/NDF:70.2/45

All: -0.000+/-0.000 χ^2/NDF: 107.5/85

asym_sam2_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 4825423.5/16

Left Out: 0.008+/-0.000 χ^2/NDF:2076596.0/24

Right Out: 0.006+/-0.000 χ^2/NDF: 6310316.2/20

Left In: 0.008+/-0.000 χ^2/NDF:2017677.5/22

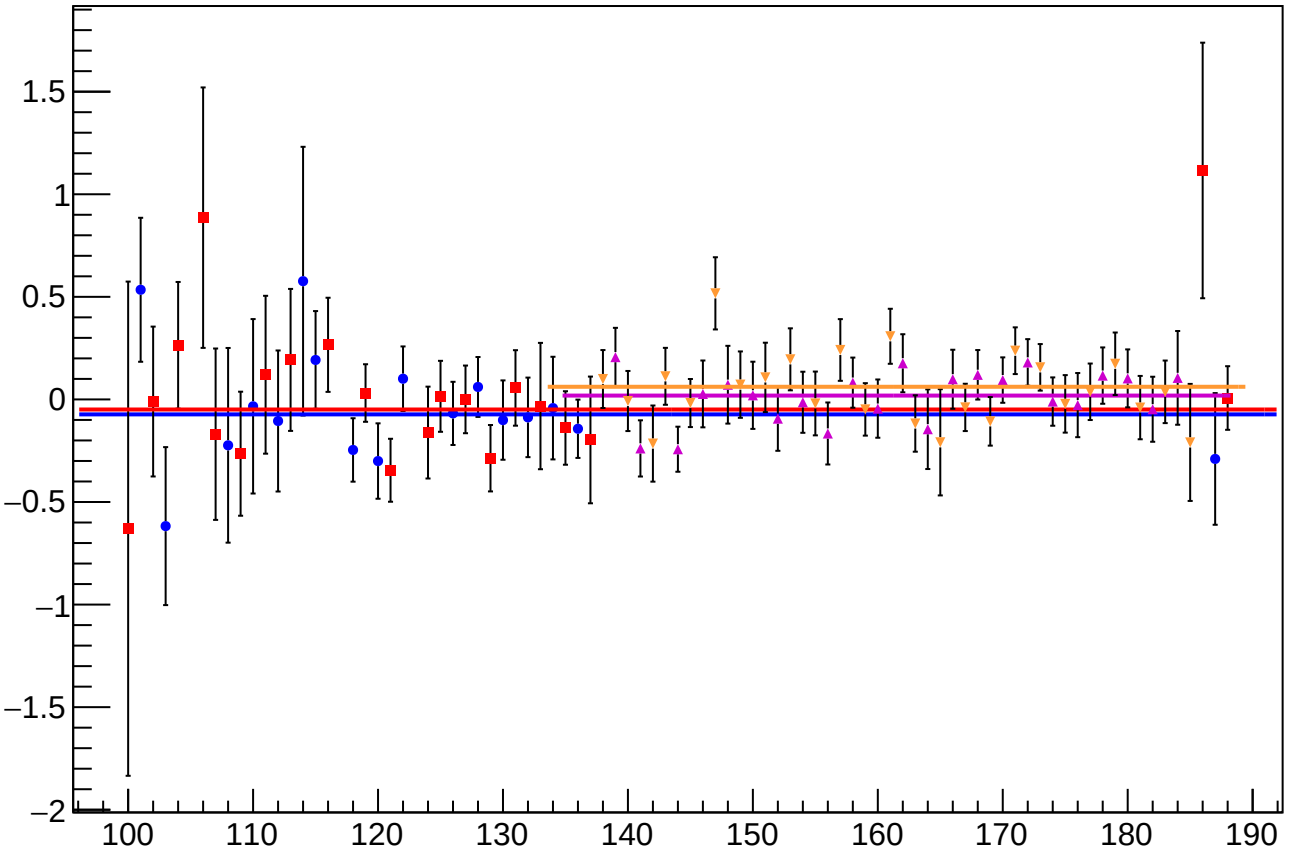
Left: 0.008+/-0.000 χ^2/NDF: 4114921.6/47

Right: 0.006+/-0.000 χ^2/NDF: 11273742.0/37

In: 0.008+/-0.000 χ^2/NDF:7097339.7/39

Out: 0.007+/-0.000 χ^2/NDF:9291417.9/45

All: 0.007+/-0.000 χ^2/NDF: 16551223.1/85



Right In: -0.073+/-0.051 χ^2/NDF: 12.9/16

Left Out: 0.062+/-0.029 χ^2/NDF:27.4/24

Right Out: -0.049+/-0.049 χ^2/NDF: 17.7/20

Left In: 0.019+/-0.029 χ^2/NDF:20.3/22

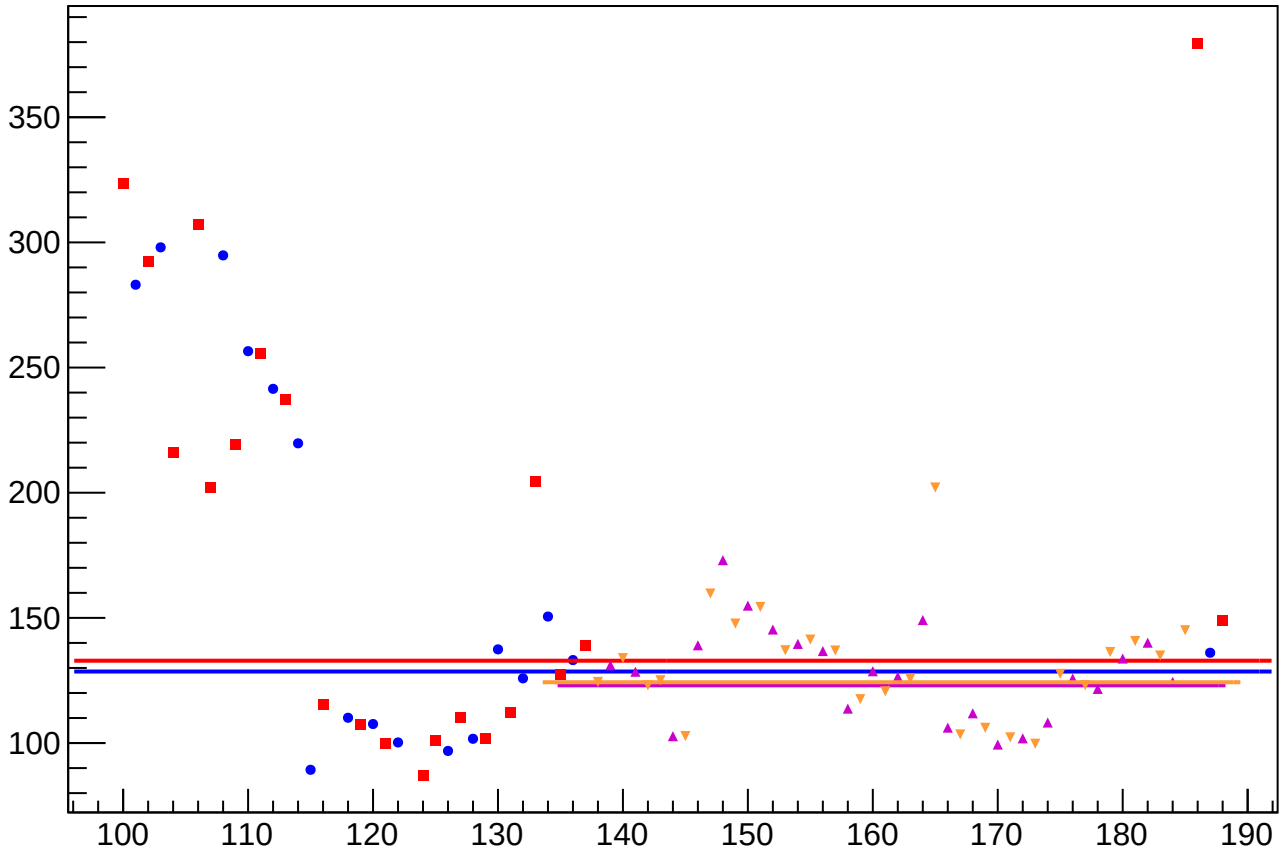
Left: 0.041+/-0.021 χ^2/NDF: 48.8/47

Right: -0.060+/-0.035 χ^2/NDF: 30.8/37

In: -0.004+/-0.025 χ^2/NDF:35.7/39

Out: 0.033+/-0.025 χ^2/NDF:49.0/45

All: 0.015+/-0.018 χ^2/NDF: 85.8/85



Right In: 128.572+/-0.036 χ^2/NDF: 1806148.2/16

Left Out: 124.292+/-0.020 χ^2/NDF:841035.9/24

Right Out: 132.892+/-0.035 χ^2/NDF: 2232573.8/20

Left In: 123.062+/-0.021 χ^2/NDF:718844.3/22

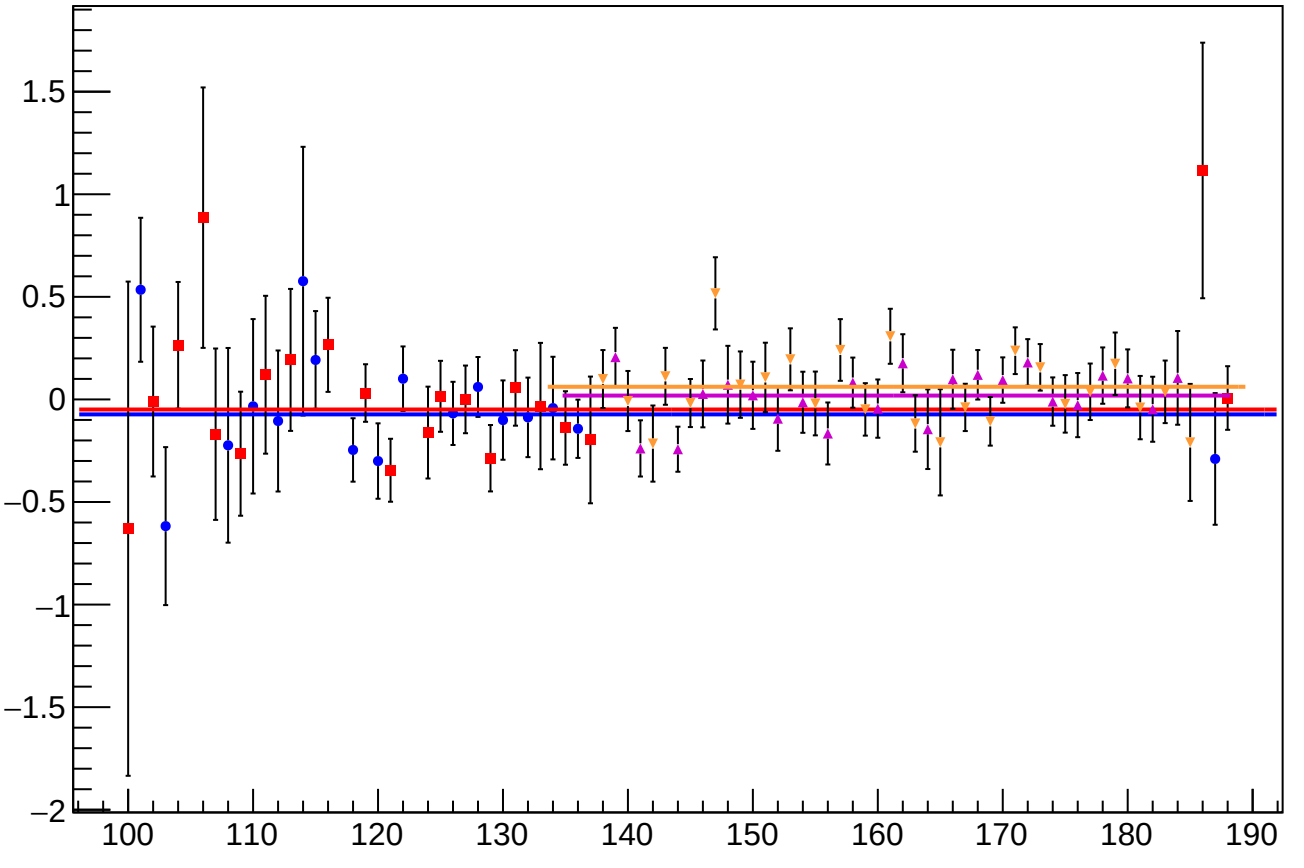
Left: 123.690+/-0.015 χ^2/NDF: 1561677.7/47

Right: 130.831+/-0.025 χ^2/NDF: 4046191.4/37

In: 124.427+/-0.018 χ^2/NDF:2542481.9/39

Out: 126.498+/-0.017 χ^2/NDF:3119742.0/45

All: 125.492+/-0.013 χ^2/NDF: 5669039.3/85



Right In: -0.073+/-0.051 χ^2/NDF: 12.9/16

Left Out: 0.062+/-0.029 χ^2/NDF:27.4/24

Right Out: -0.049+/-0.049 χ^2/NDF: 17.7/20

Left In: 0.019+/-0.029 χ^2/NDF:20.3/22

Left: 0.041+/-0.021 χ^2/NDF: 48.8/47

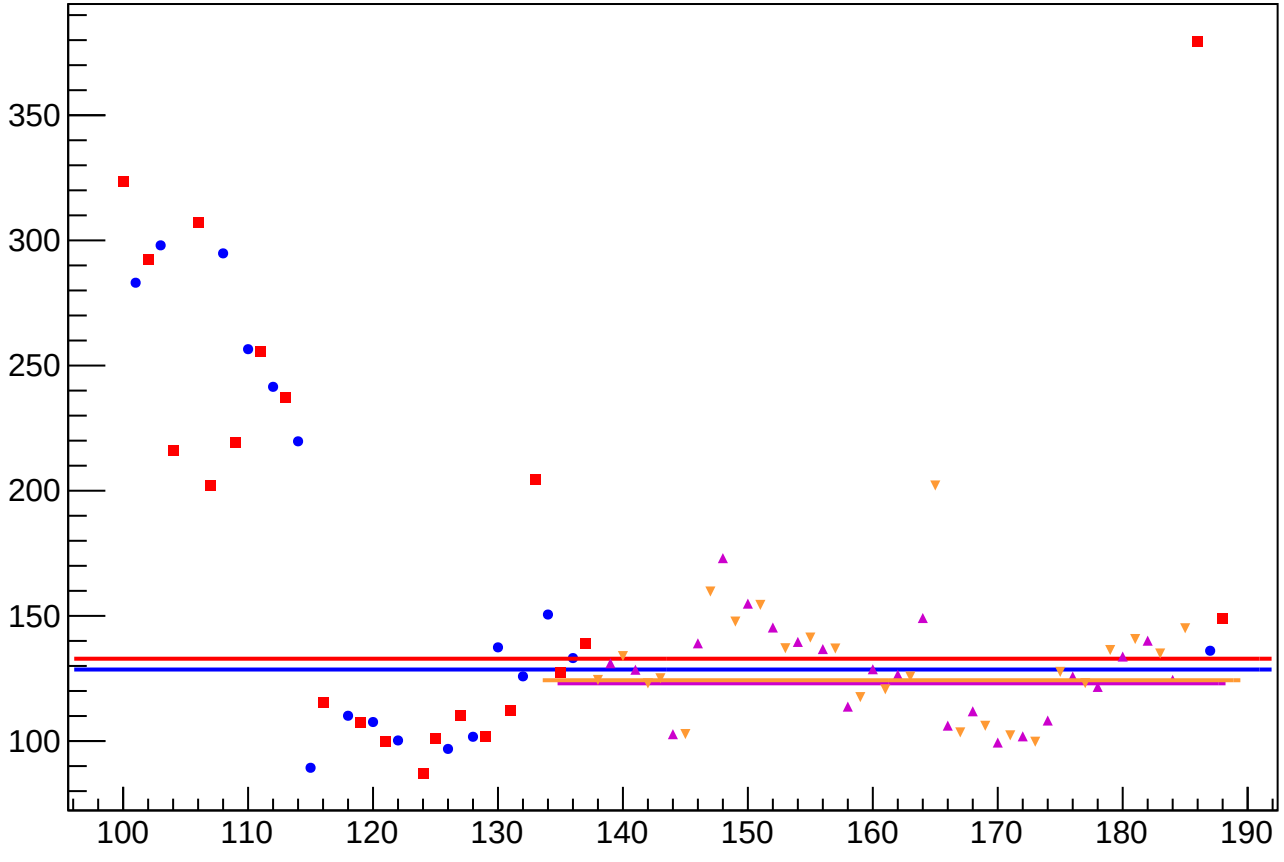
Right: -0.060+/-0.035 χ^2/NDF: 30.8/37

In: -0.004+/-0.025 χ^2/NDF:35.7/39

Out: 0.033+/-0.025 χ^2/NDF:49.0/45

All: 0.015+/-0.018 χ^2/NDF: 85.8/85

asym_sam2_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 128.572+/-0.036 χ^2/NDF: 1806148.2/16

Left Out: 124.292+/-0.020 χ^2/NDF:841035.9/24

Right Out: 132.892+/-0.035 χ^2/NDF: 2232573.8/20

Left In: 123.062+/-0.021 χ^2/NDF:718844.3/22

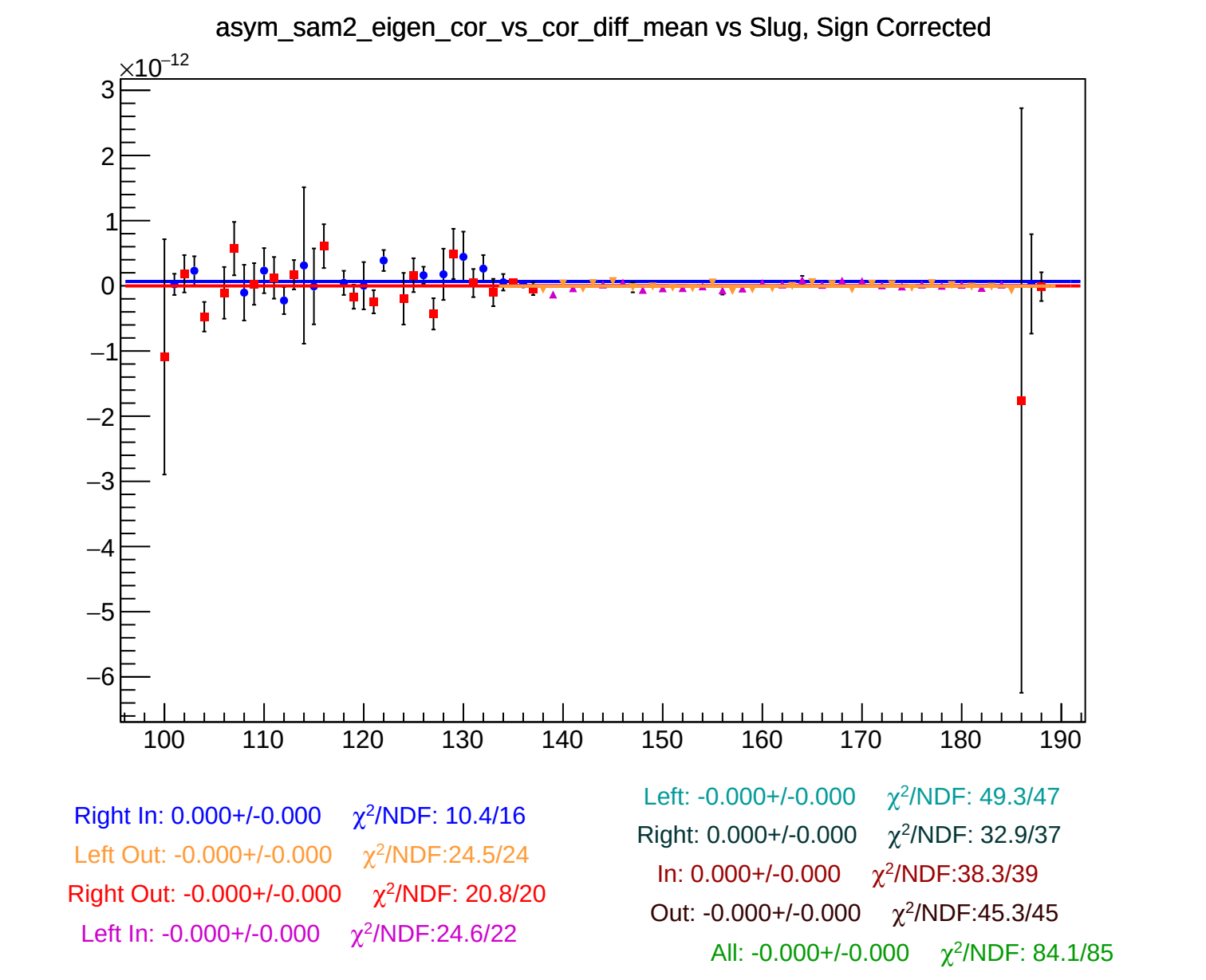
Left: 123.690+/-0.015 χ^2/NDF: 1561677.7/47

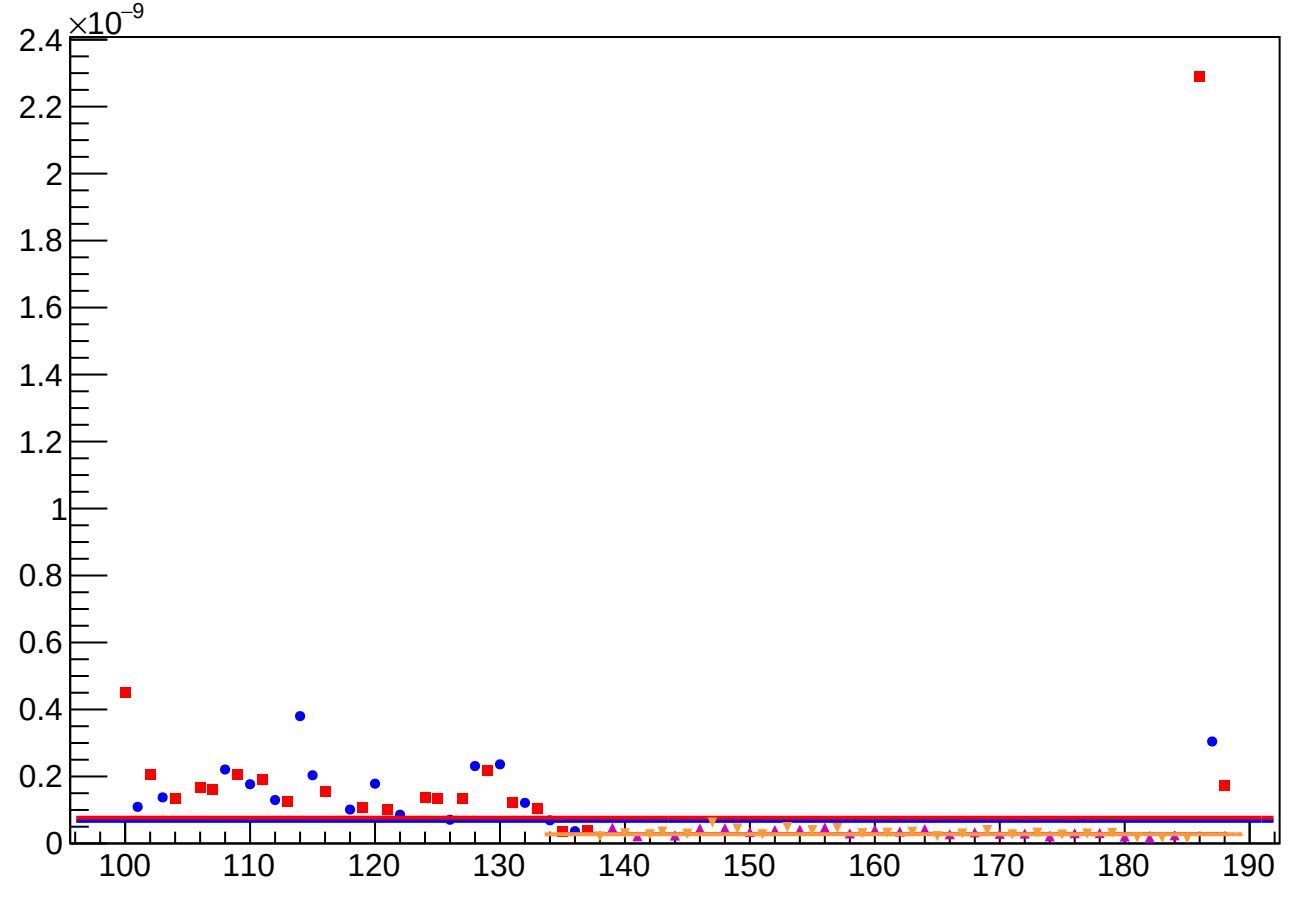
Right: 130.831+/-0.025 χ^2/NDF: 4046191.4/37

In: 124.427+/-0.018 χ^2/NDF:2542481.9/39

Out: 126.498+/-0.017 χ^2/NDF:3119742.0/45

All: 125.492+/-0.013 χ^2/NDF: 5669039.3/85


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
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 10.4/16
Left Out: -0.000+/-0.000 χ²/NDF:24.5/24
Right Out: -0.000+/-0.000 χ²/NDF: 20.8/20
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: 32.9/37
In: 0.000+/-0.000 χ²/NDF:38.3/39
Out: -0.000+/-0.000 χ²/NDF:45.3/45
All: -0.000+/-0.000 χ²/NDF: 84.1/85



Right In: 0.000+/-0.000 χ^2/NDF: 3373958.5/16

Left Out: 0.000+/-0.000 χ^2/NDF:2403081.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4529998.1/20

Left In: 0.000+/-0.000 χ^2/NDF:2191521.5/22

Left: 0.000+/-0.000 χ^2/NDF: 4602499.0/47

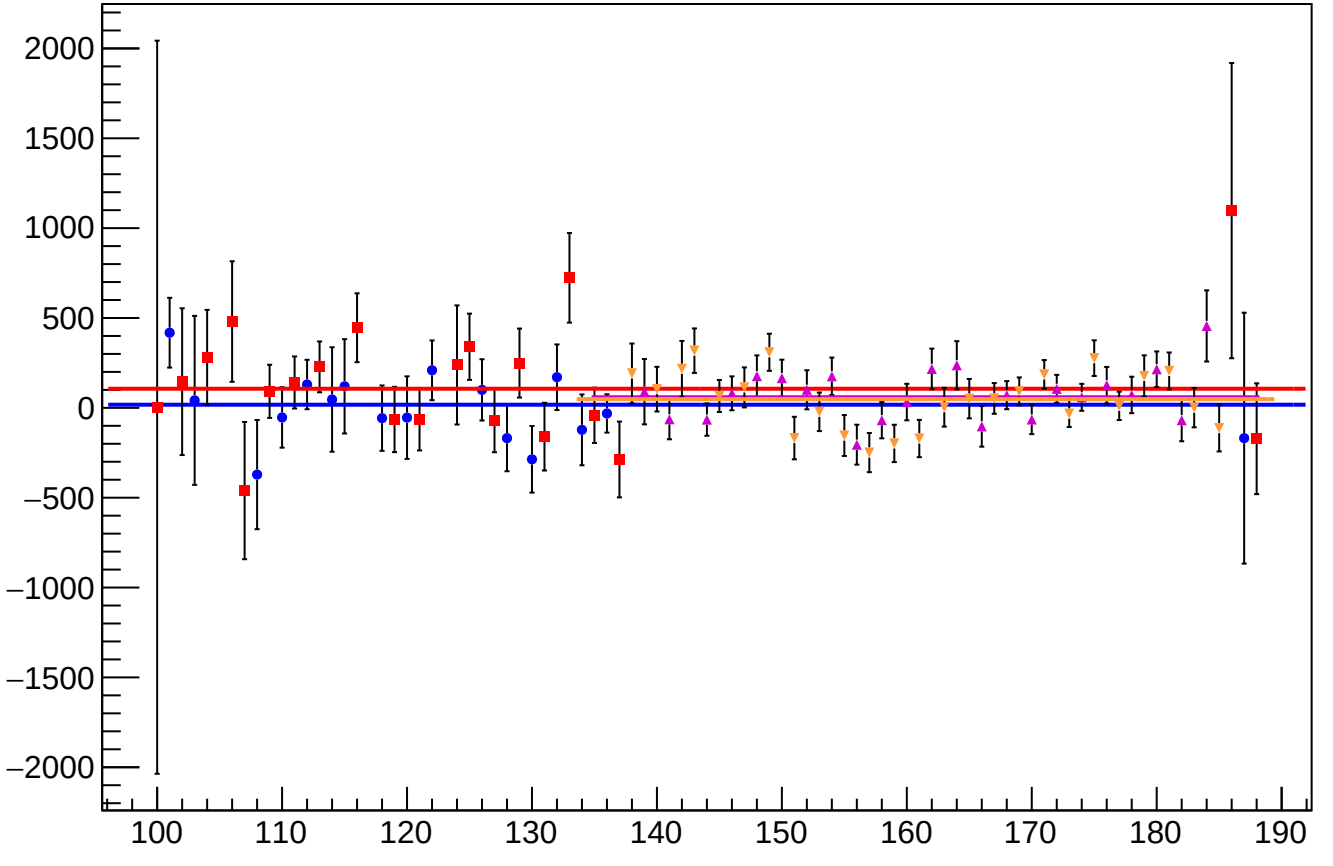
Right: 0.000+/-0.000 χ^2/NDF: 7965955.0/37

In: 0.000+/-0.000 χ^2/NDF:7817169.0/39

Out: 0.000+/-0.000 χ^2/NDF:10040852.6/45

All: 0.000+/-0.000 χ^2/NDF: 17866503.5/85

reg_asym_sam3_mean vs Slug, Sign Corrected



Right In: 17.407+/-45.606 χ^2/NDF: 13.9/16

Left Out: 48.392+/-20.423 χ^2/NDF:53.6/24

Right Out: 106.366+/-45.258 χ^2/NDF: 27.8/20

Left In: 59.014+/-21.156 χ^2/NDF:30.6/22

Left: 53.516+/-14.694 χ^2/NDF: 84.3/47

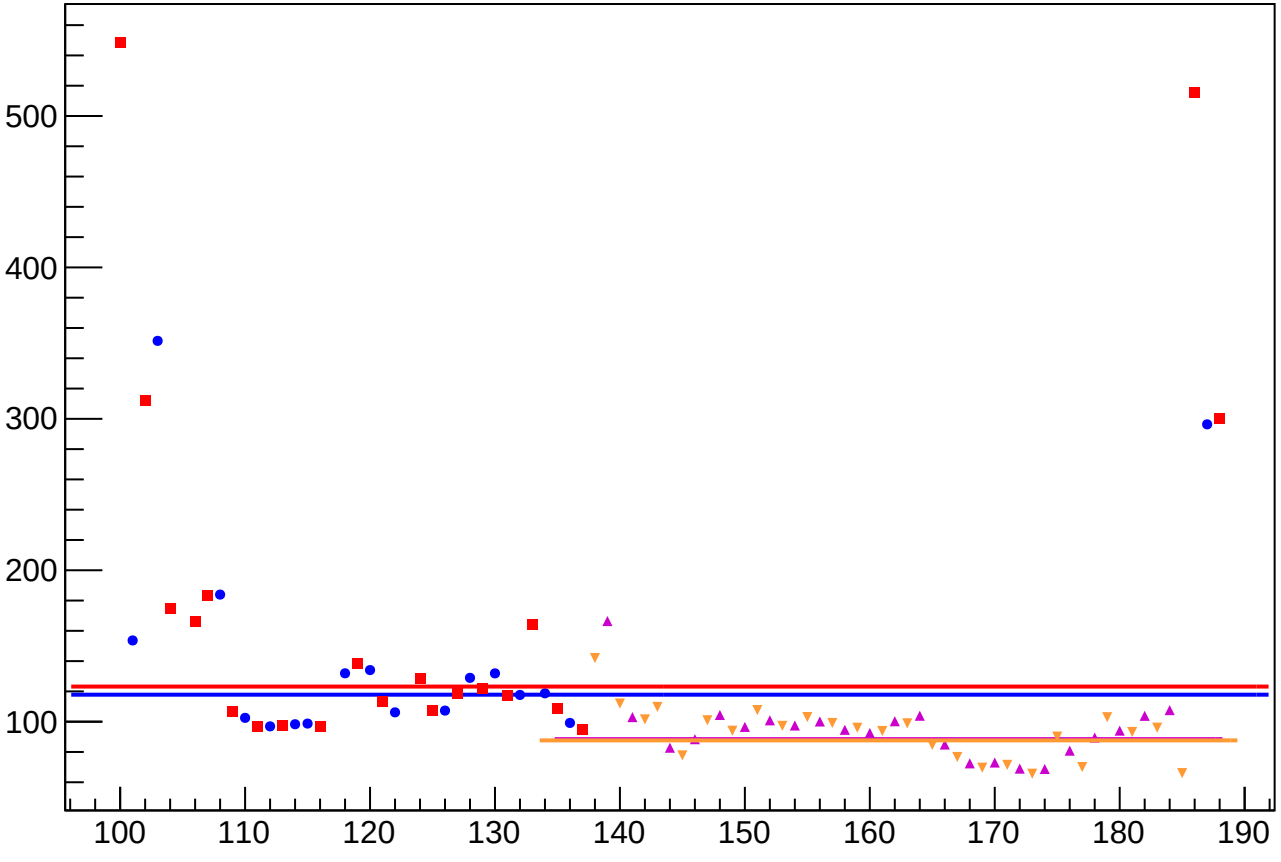
Right: 62.228+/-32.125 χ^2/NDF: 43.6/37

In: 51.646+/-19.192 χ^2/NDF:45.2/39

Out: 58.200+/-18.615 χ^2/NDF:82.7/45

All: 55.023+/-13.362 χ^2/NDF: 128.0/85

reg_asym_sam3_rms vs Slug, Sign Corrected



Right In: 117.828+/-0.032 χ^2/NDF: 989749.3/16

Left Out: 87.656+/-0.014 χ^2/NDF:1213284.3/24

Right Out: 123.193+/-0.032 χ^2/NDF: 2132479.3/20

Left In: 88.482+/-0.015 χ^2/NDF:1075689.1/22

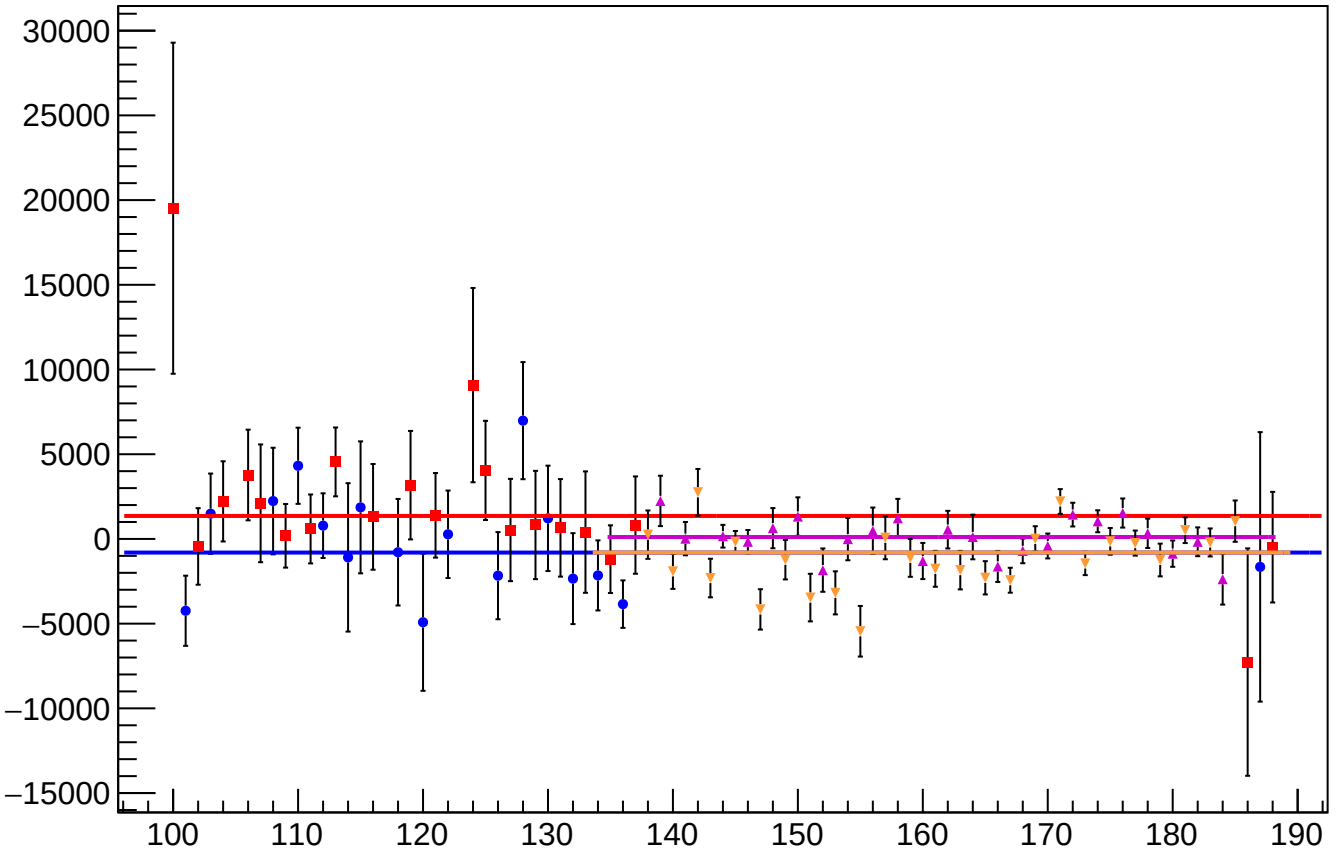
Left: 88.055+/-0.010 χ^2/NDF: 2290553.6/47

Right: 120.531+/-0.023 χ^2/NDF: 3136173.8/37

In: 93.679+/-0.014 χ^2/NDF:2746847.2/39

Out: 93.668+/-0.013 χ^2/NDF:4370250.3/45

All: 93.673+/-0.009 χ^2/NDF: 7117097.8/85



Right In: -804.206+/-614.170 χ^2/NDF: 23.5/16

Left Out: -801.506+/-187.755 χ^2/NDF:71.9/24

Right Out: 1356.914+/-600.148 χ^2/NDF: 14.9/20

Left In: 112.483+/-190.269 χ^2/NDF:27.1/22

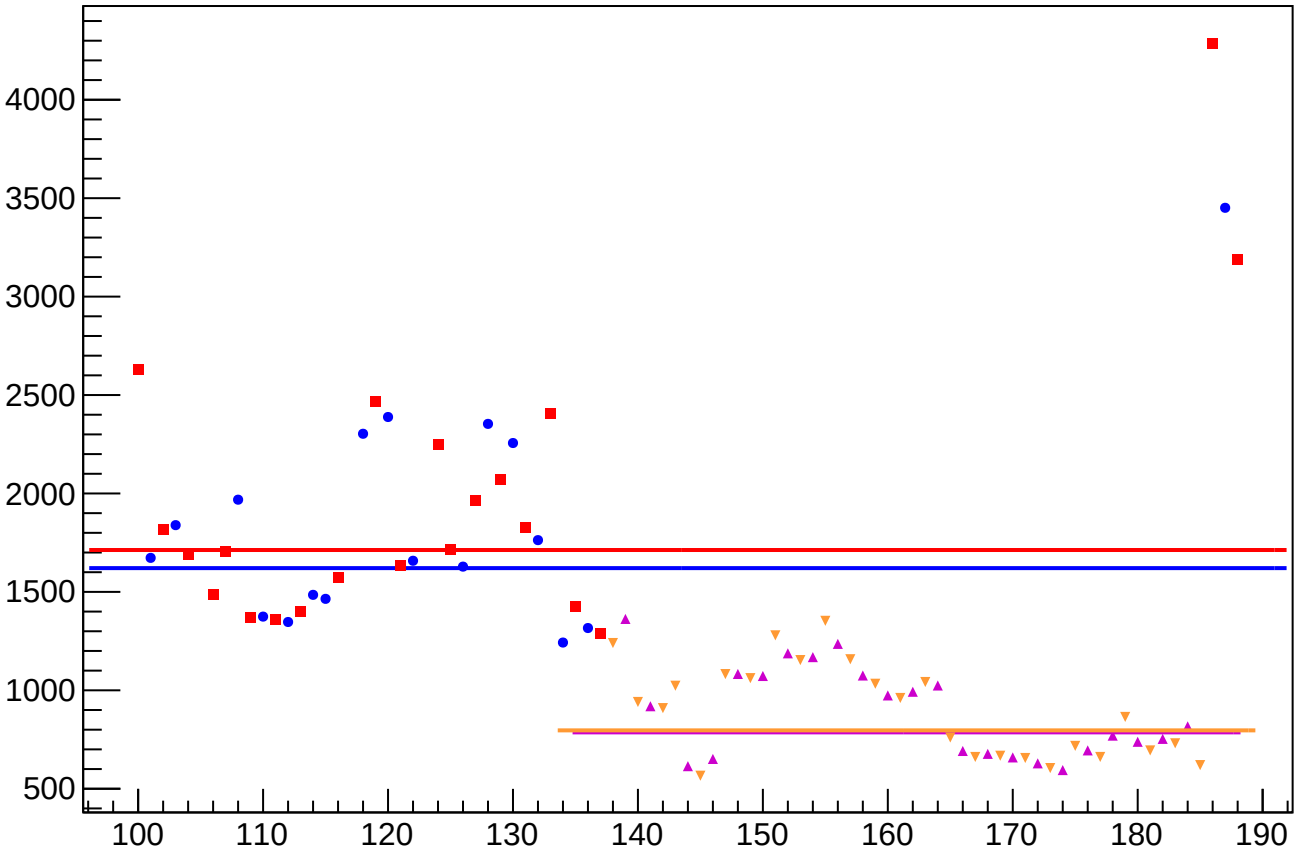
Left: -350.590+/-133.643 χ^2/NDF: 110.6/47

Right: 301.306+/-429.240 χ^2/NDF: 44.7/37

In: 32.208+/-181.748 χ^2/NDF:52.6/39

Out: -609.086+/-179.191 χ^2/NDF:98.6/45

All: -292.981+/-127.601 χ^2/NDF: 157.5/85



Right In: 1620.759+/-0.434 χ^2/NDF: 725668.4/16

Left Out: 796.524+/-0.133 χ^2/NDF:2417872.0/24

Right Out: 1712.747+/-0.424 χ^2/NDF: 1251274.1/20

Left In: 786.336+/-0.135 χ^2/NDF:2156583.9/22

Left: 791.497+/-0.094 χ^2/NDF: 4577361.0/47

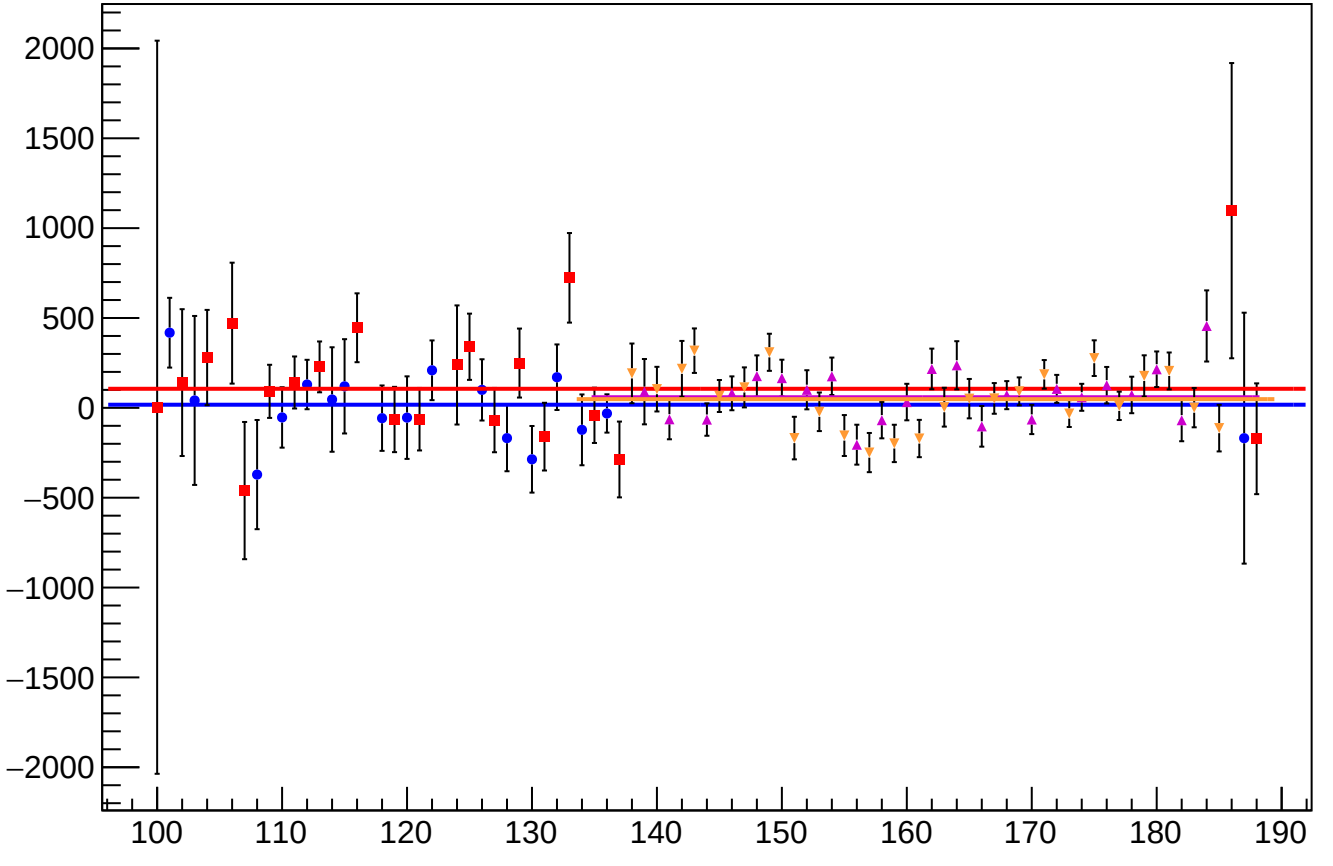
Right: 1667.815+/-0.304 χ^2/NDF: 1999893.4/37

In: 859.407+/-0.129 χ^2/NDF:6250660.9/39

Out: 878.204+/-0.127 χ^2/NDF:7914989.8/45

All: 868.938+/-0.090 χ^2/NDF: 14176498.4/85

cor_asym_sam3_mean vs Slug, Sign Corrected



Right In: 17.394+/-45.606 χ^2/NDF: 13.9/16

Left Out: 48.399+/-20.423 χ^2/NDF:53.6/24

Right Out: 106.088+/-45.261 χ^2/NDF: 27.7/20

Left In: 59.016+/-21.156 χ^2/NDF:30.6/22

Left: 53.521+/-14.694 χ^2/NDF: 84.3/47

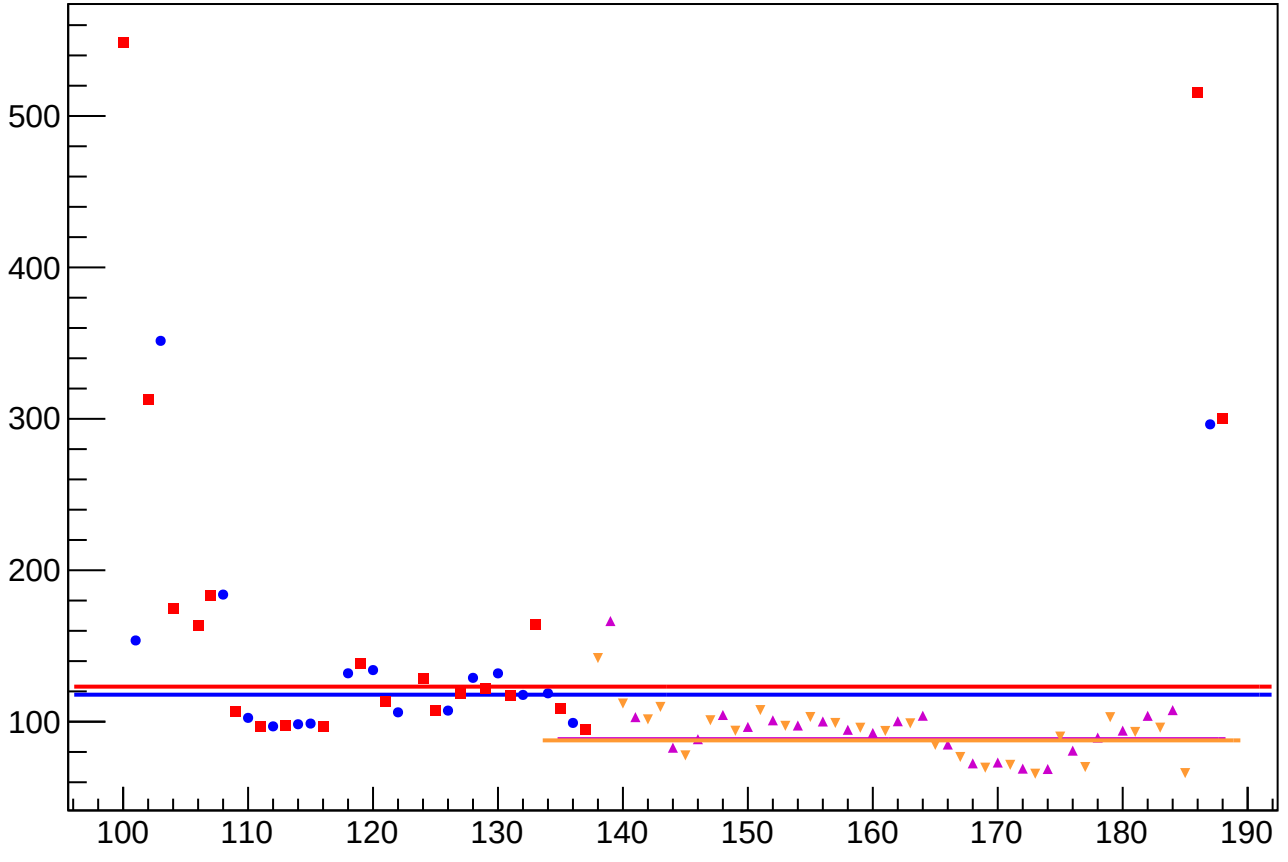
Right: 62.078+/-32.126 χ^2/NDF: 43.5/37

In: 51.646+/-19.192 χ^2/NDF:45.2/39

Out: 58.158+/-18.616 χ^2/NDF:82.6/45

All: 55.001+/-13.362 χ^2/NDF: 127.9/85

cor_asym_sam3_rms vs Slug, Sign Corrected



Right In: 117.828+/-0.032 χ^2/NDF: 989751.4/16

Left Out: 87.656+/-0.014 χ^2/NDF:1213284.3/24

Right Out: 123.143+/-0.032 χ^2/NDF: 2128788.5/20

Left In: 88.482+/-0.015 χ^2/NDF:1075689.1/22

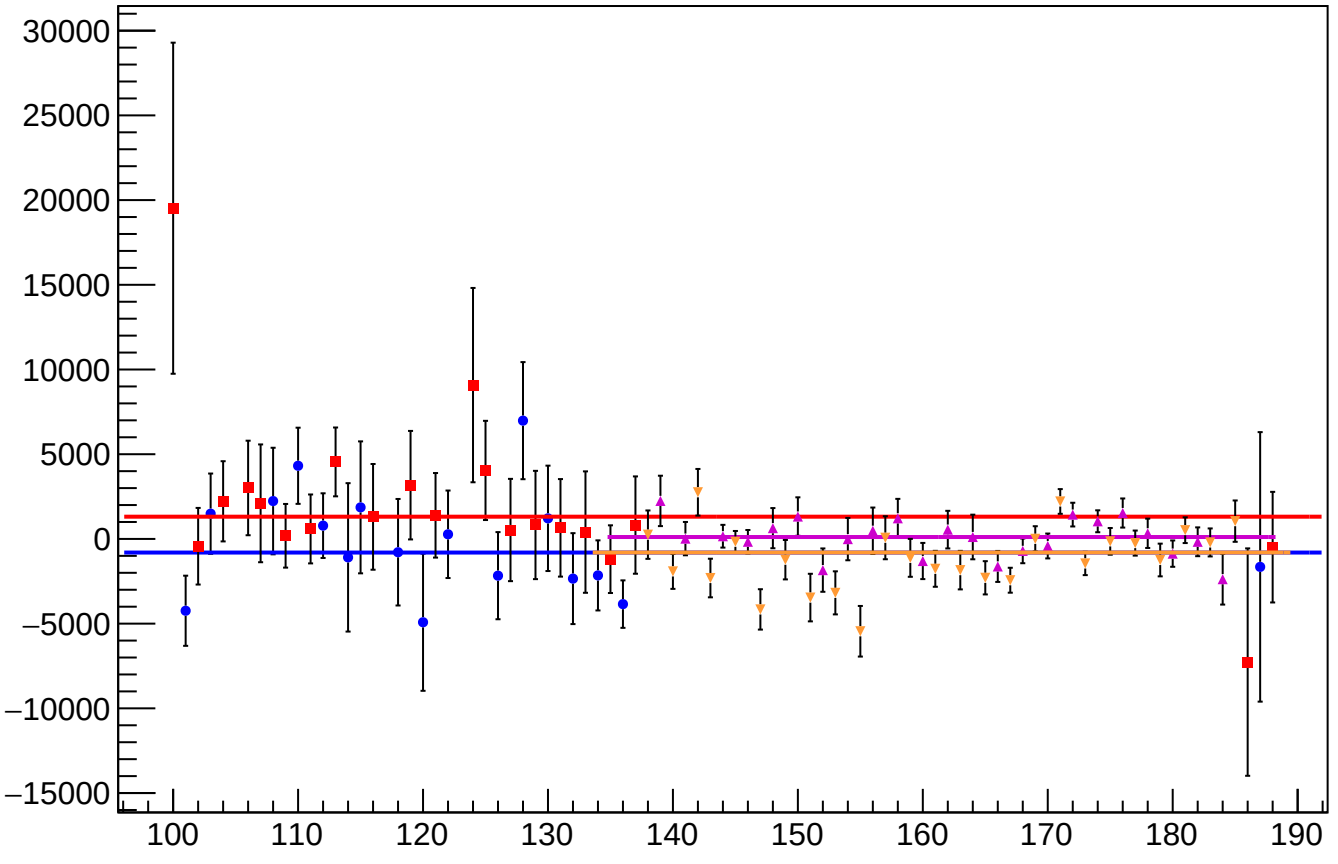
Left: 88.055+/-0.010 χ^2/NDF: 2290553.6/47

Right: 120.505+/-0.023 χ^2/NDF: 3132226.3/37

In: 93.679+/-0.014 χ^2/NDF:2746848.8/39

Out: 93.659+/-0.013 χ^2/NDF:4363578.1/45

All: 93.669+/-0.009 χ^2/NDF: 7110428.0/85



Right In: -804.190+/-614.175 χ^2/NDF: 23.5/16

Left Out: -801.499+/-187.755 χ^2/NDF:71.9/24

Right Out: 1312.776+/-601.410 χ^2/NDF: 14.4/20

Left In: 112.485+/-190.269 χ^2/NDF:27.1/22

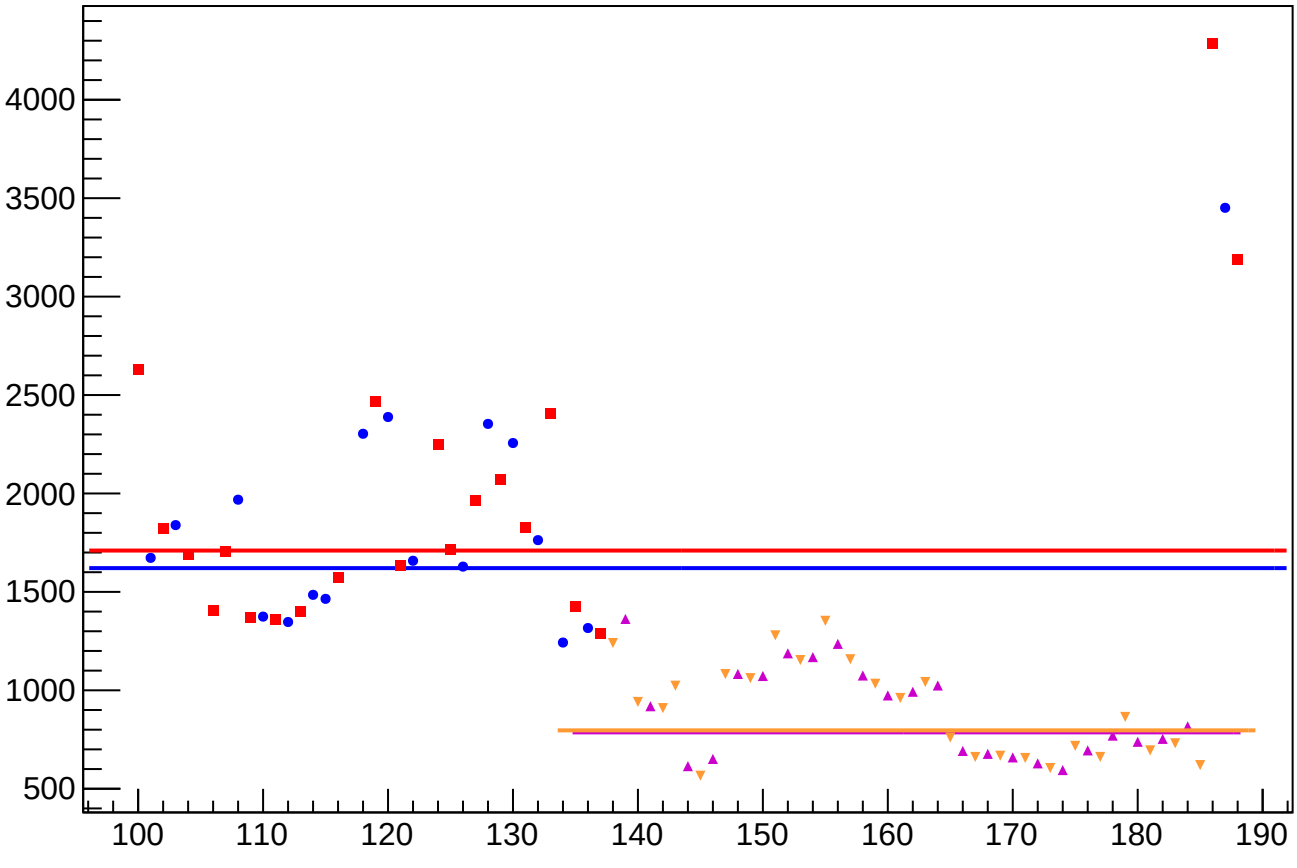
Left: -350.586+/-133.643 χ^2/NDF: 110.6/47

Right: 276.520+/-429.703 χ^2/NDF: 44.0/37

In: 32.212+/-181.748 χ^2/NDF:52.6/39

Out: -613.734+/-179.224 χ^2/NDF:97.6/45

All: -295.276+/-127.614 χ^2/NDF: 156.6/85



Right In: 1620.769+/-0.434 χ^2/NDF: 725696.2/16

Left Out: 796.523+/-0.133 χ^2/NDF:2417869.7/24

Right Out: 1709.996+/-0.425 χ^2/NDF: 1261276.7/20

Left In: 786.336+/-0.135 χ^2/NDF:2156582.1/22

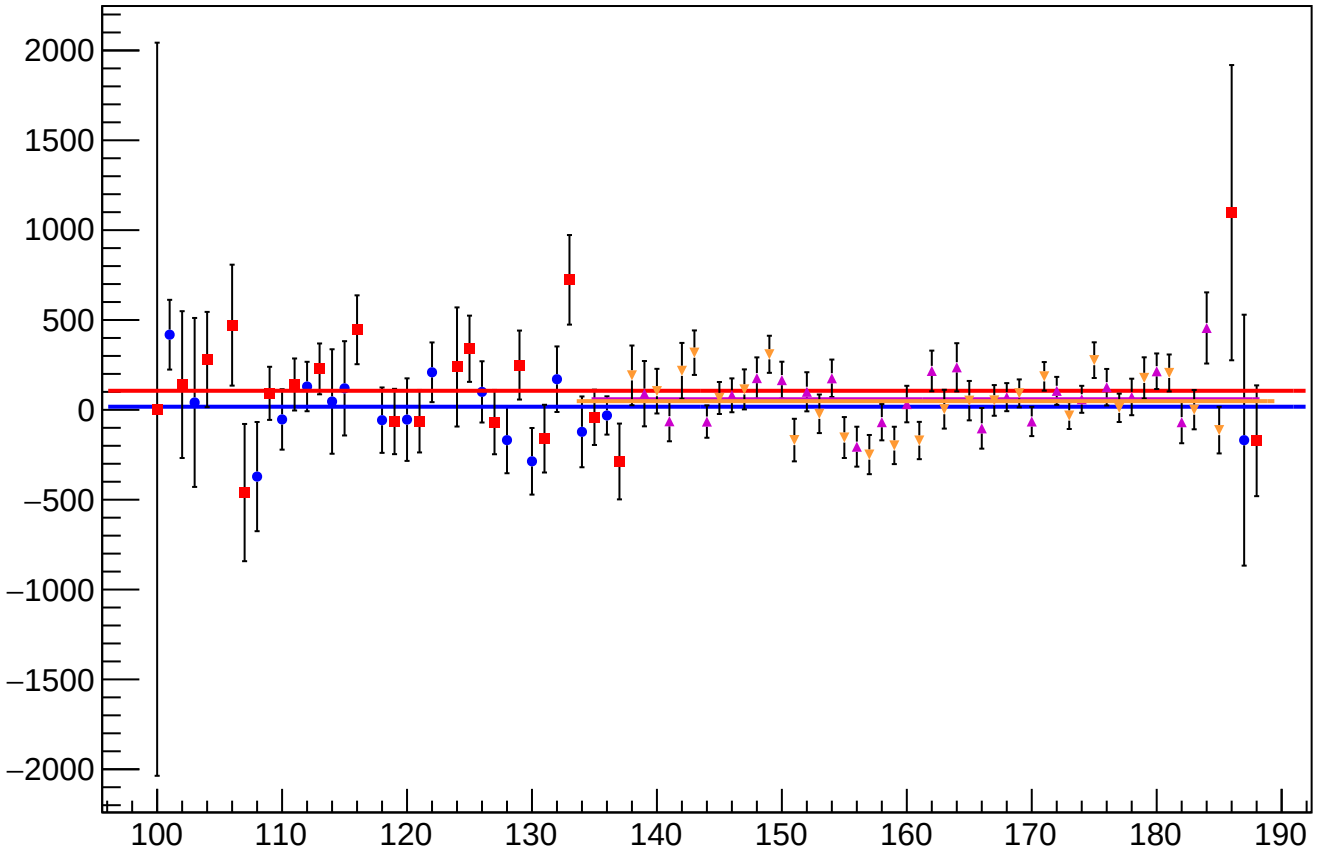
Left: 791.497+/-0.094 χ^2/NDF: 4577356.9/47

Right: 1666.319+/-0.304 χ^2/NDF: 2008522.4/37

In: 859.407+/-0.129 χ^2/NDF:6250717.4/39

Out: 877.647+/-0.127 χ^2/NDF:7883402.3/45

All: 868.655+/-0.090 χ^2/NDF: 14144332.7/85



Right In: 17.394+/-45.606 χ^2/NDF: 13.9/16

Left Out: 48.399+/-20.423 χ^2/NDF:53.6/24

Right Out: 106.088+/-45.261 χ^2/NDF: 27.7/20

Left In: 59.016+/-21.156 χ^2/NDF:30.6/22

Left: 53.521+/-14.694 χ^2/NDF: 84.3/47

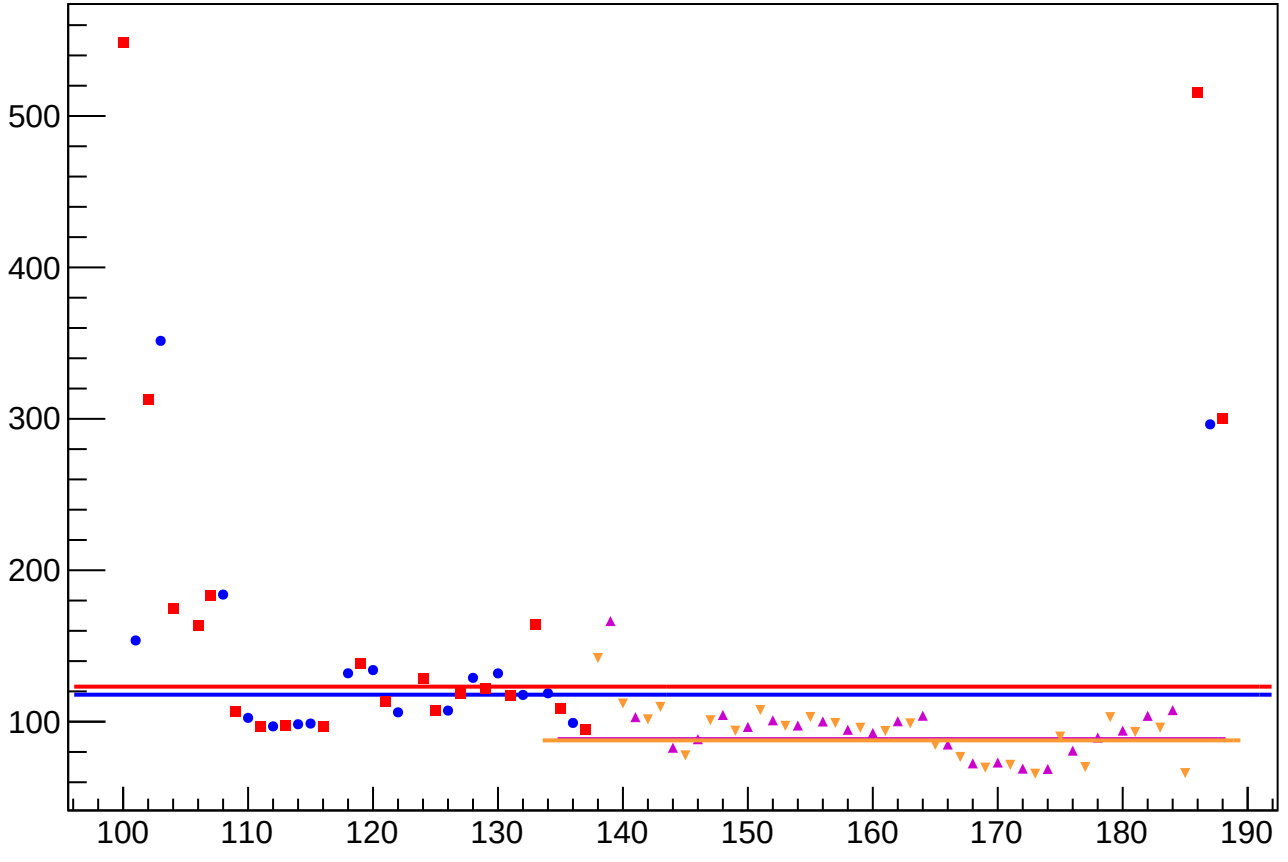
Right: 62.078+/-32.126 χ^2/NDF: 43.5/37

In: 51.646+/-19.192 χ^2/NDF:45.2/39

Out: 58.158+/-18.616 χ^2/NDF:82.6/45

All: 55.001+/-13.362 χ^2/NDF: 127.9/85

eigen_cor_asym_sam3_rms vs Slug, Sign Corrected



Right In: 117.828+/-0.032 χ^2/NDF: 989751.4/16

Left Out: 87.656+/-0.014 χ^2/NDF:1213284.3/24

Right Out: 123.143+/-0.032 χ^2/NDF: 2128788.5/20

Left In: 88.482+/-0.015 χ^2/NDF:1075689.1/22

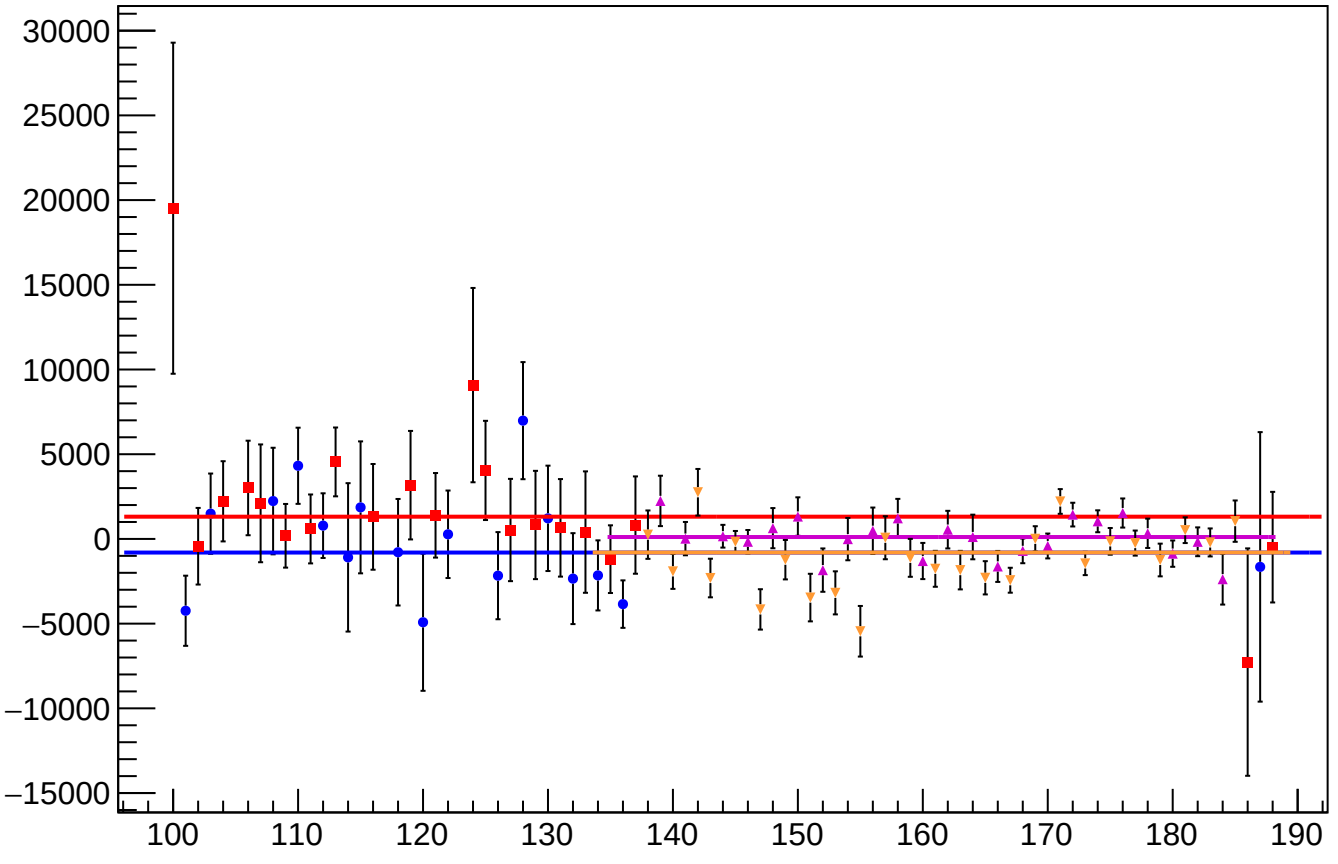
Left: 88.055+/-0.010 χ^2/NDF: 2290553.6/47

Right: 120.505+/-0.023 χ^2/NDF: 3132226.3/37

In: 93.679+/-0.014 χ^2/NDF:2746848.8/39

Out: 93.659+/-0.013 χ^2/NDF:4363578.1/45

All: 93.669+/-0.009 χ^2/NDF: 7110428.0/85



Right In: -804.190+/-614.175 χ^2/NDF: 23.5/16

Left Out: -801.499+/-187.755 χ^2/NDF:71.9/24

Right Out: 1312.776+/-601.410 χ^2/NDF: 14.4/20

Left In: 112.485+/-190.269 χ^2/NDF:27.1/22

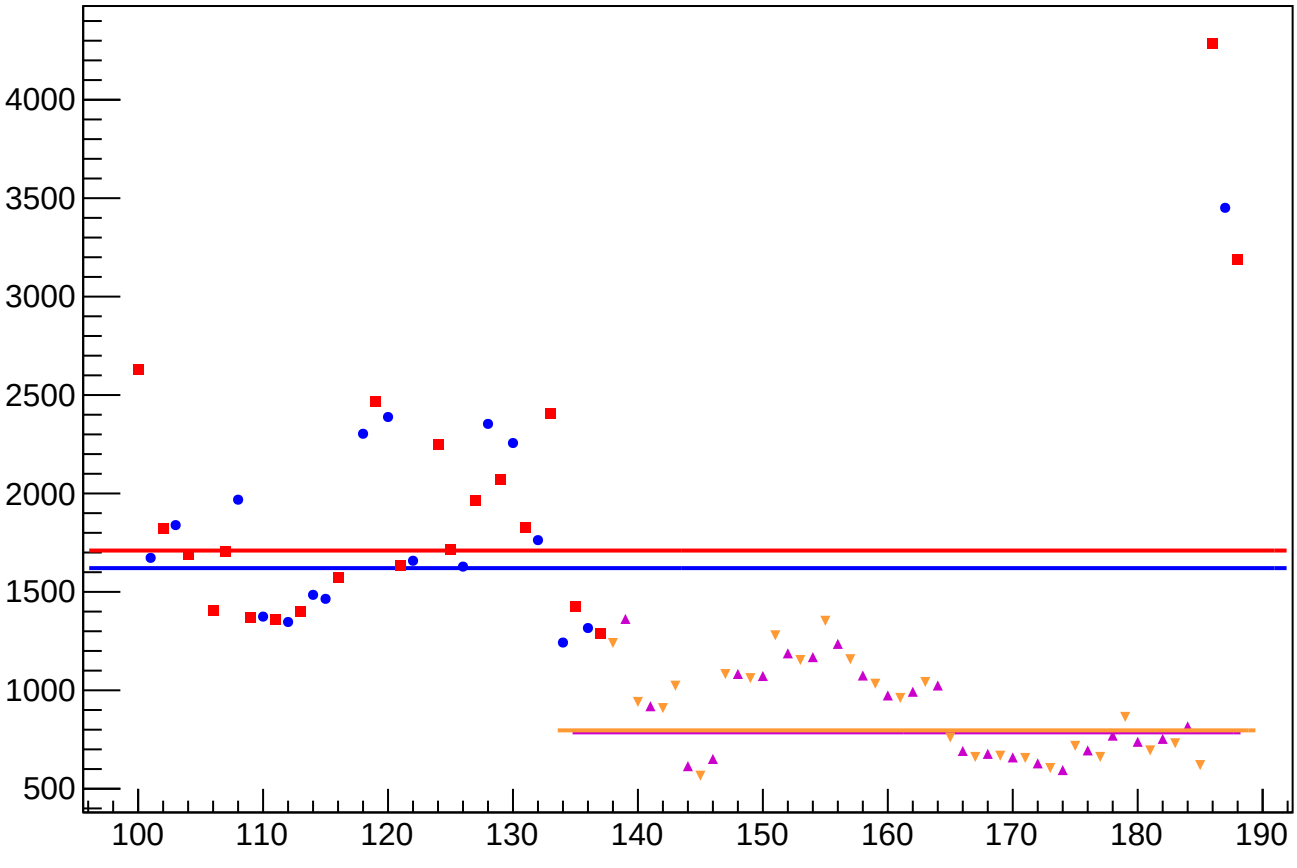
Left: -350.586+/-133.643 χ^2/NDF: 110.6/47

Right: 276.520+/-429.703 χ^2/NDF: 44.0/37

In: 32.212+/-181.748 χ^2/NDF:52.6/39

Out: -613.734+/-179.224 χ^2/NDF:97.6/45

All: -295.276+/-127.614 χ^2/NDF: 156.6/85



Right In: 1620.769+/-0.434 χ^2/NDF: 725696.2/16

Left Out: 796.523+/-0.133 χ^2/NDF:2417869.7/24

Right Out: 1709.996+/-0.425 χ^2/NDF: 1261276.7/20

Left In: 786.336+/-0.135 χ^2/NDF:2156582.1/22

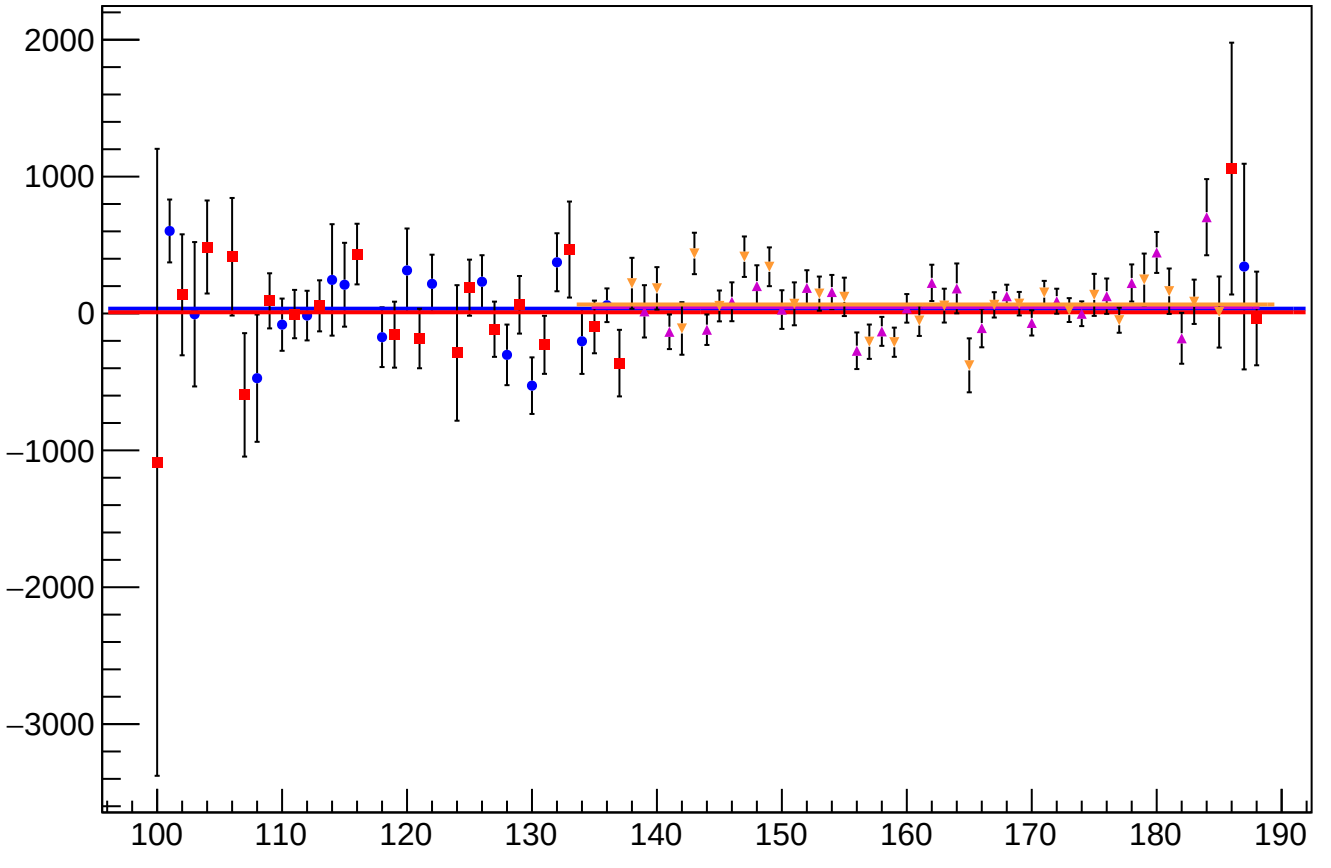
Left: 791.497+/-0.094 χ^2/NDF: 4577356.9/47

Right: 1666.319+/-0.304 χ^2/NDF: 2008522.4/37

In: 859.407+/-0.129 χ^2/NDF:6250717.4/39

Out: 877.647+/-0.127 χ^2/NDF:7883402.3/45

All: 868.655+/-0.090 χ^2/NDF: 14144332.7/85



Right In: 35.114+/-54.762 χ^2/NDF: 25.3/16

Left Out: 65.702+/-25.059 χ^2/NDF:40.0/24

Right Out: 8.797+/-55.251 χ^2/NDF: 18.6/20

Left In: 47.039+/-25.696 χ^2/NDF:38.6/22

Left: 56.605+/-17.941 χ^2/NDF: 78.9/47

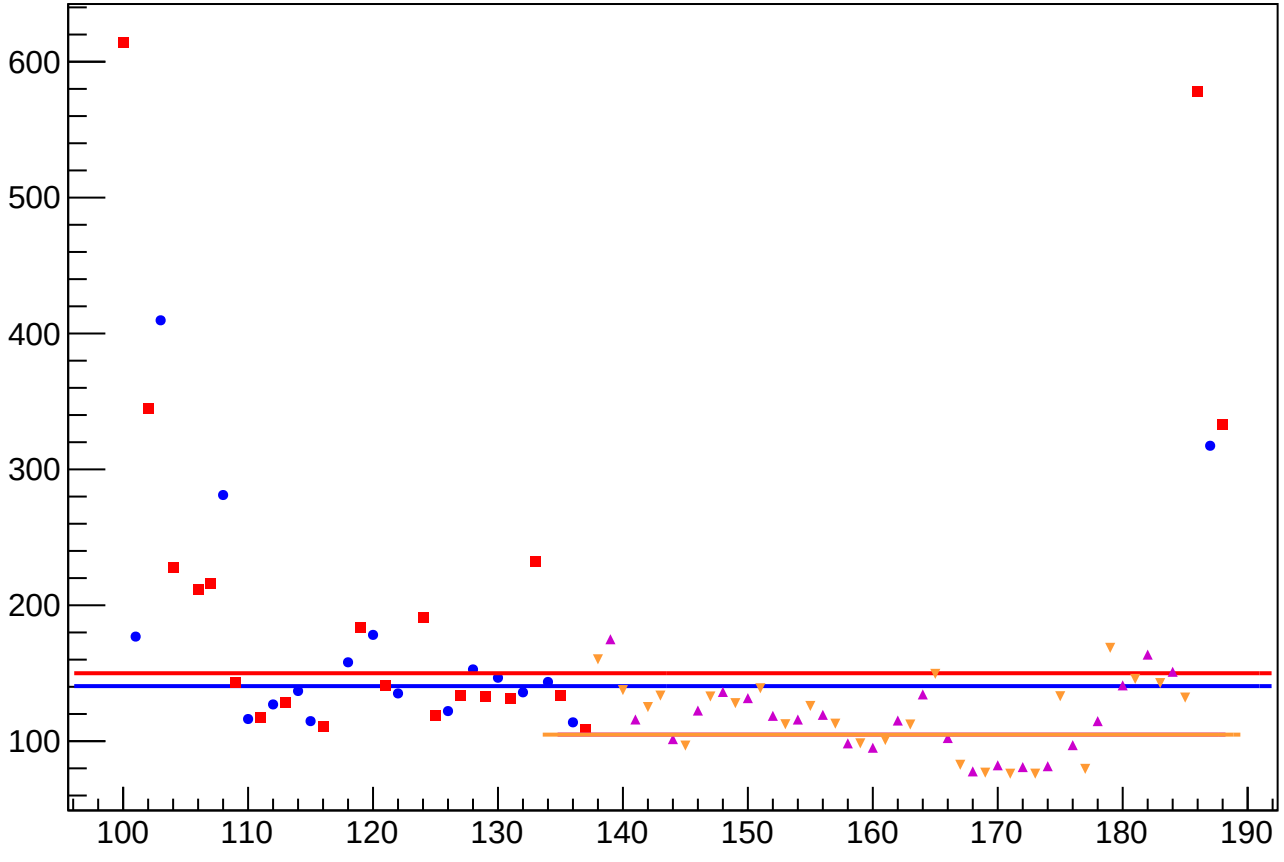
Right: 22.072+/-38.894 χ^2/NDF: 44.1/37

In: 44.887+/-23.262 χ^2/NDF:64.0/39

Out: 55.993+/-22.822 χ^2/NDF:59.6/45

All: 50.546+/-16.291 χ^2/NDF: 123.7/85

dit_asym_sam3_rms vs Slug, Sign Corrected



Right In: 140.511+/-0.039 χ^2/NDF: 1088188.1/16

Left Out: 104.810+/-0.018 χ^2/NDF:2242795.3/24

Right Out: 149.991+/-0.039 χ^2/NDF: 2149578.3/20

Left In: 104.835+/-0.018 χ^2/NDF:1614476.5/22

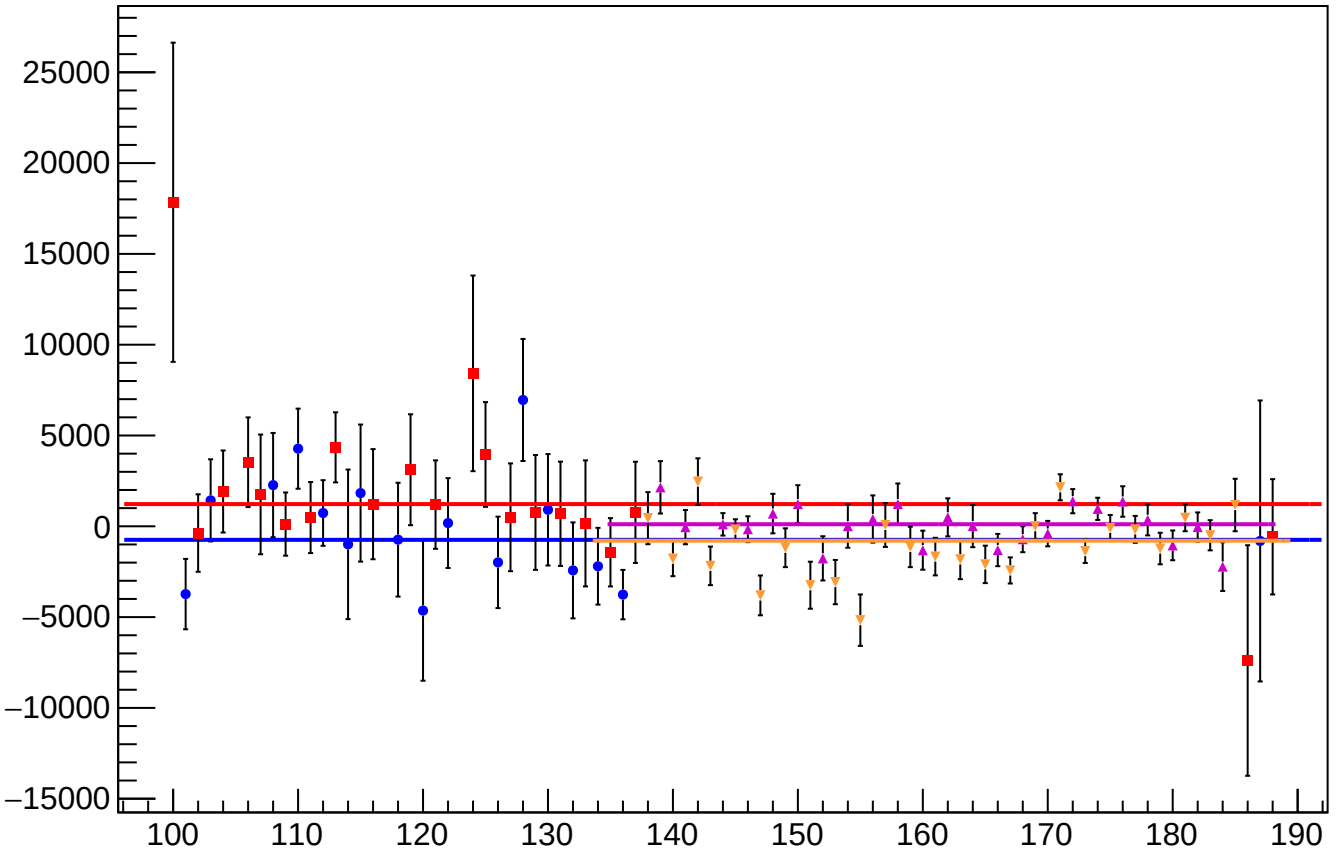
Left: 104.822+/-0.013 χ^2/NDF: 3857272.7/47

Right: 145.209+/-0.028 χ^2/NDF: 3267467.3/37

In: 111.272+/-0.016 χ^2/NDF:3398364.3/39

Out: 112.518+/-0.016 χ^2/NDF:5501592.1/45

All: 111.907+/-0.012 χ^2/NDF: 8902880.3/85



Right In: -745.054+/-594.051 χ^2/NDF: 23.5/16

Left Out: -793.070+/-179.897 χ^2/NDF:70.0/24

Right Out: 1223.164+/-573.726 χ^2/NDF: 15.8/20

Left In: 113.680+/-183.126 χ^2/NDF:26.3/22

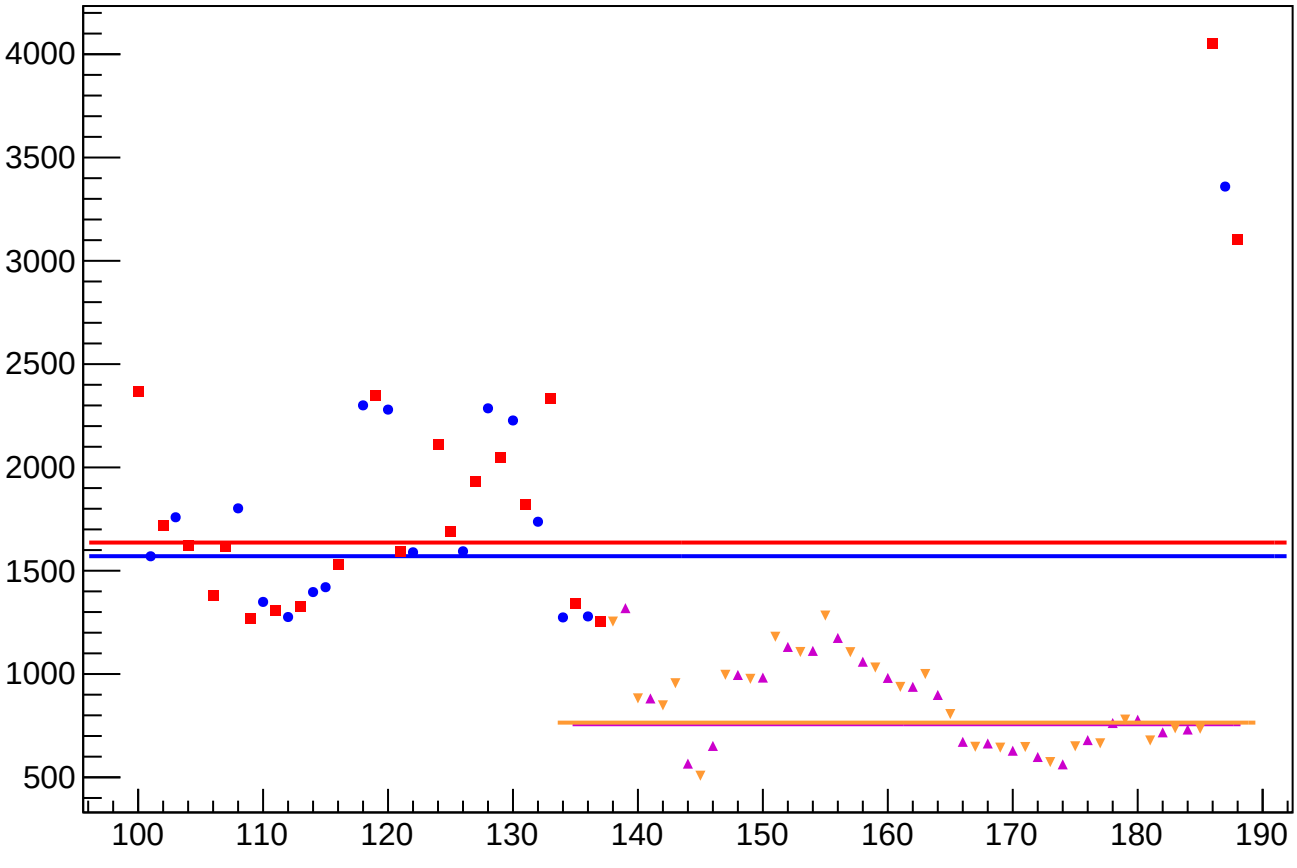
Left: -347.760+/-128.333 χ^2/NDF: 108.8/47

Right: 273.301+/-412.684 χ^2/NDF: 44.9/37

In: 39.158+/-174.999 χ^2/NDF:51.7/39

Out: -612.582+/-171.656 χ^2/NDF:97.0/45

All: -292.997+/-122.544 χ^2/NDF: 155.8/85



Right In: 1570.346+/-0.420 χ^2/NDF: 711798.2/16

Left Out: 764.734+/-0.127 χ^2/NDF:2425556.5/24

Right Out: 1636.346+/-0.406 χ^2/NDF: 1309784.1/20

Left In: 756.927+/-0.129 χ^2/NDF:2115280.1/22

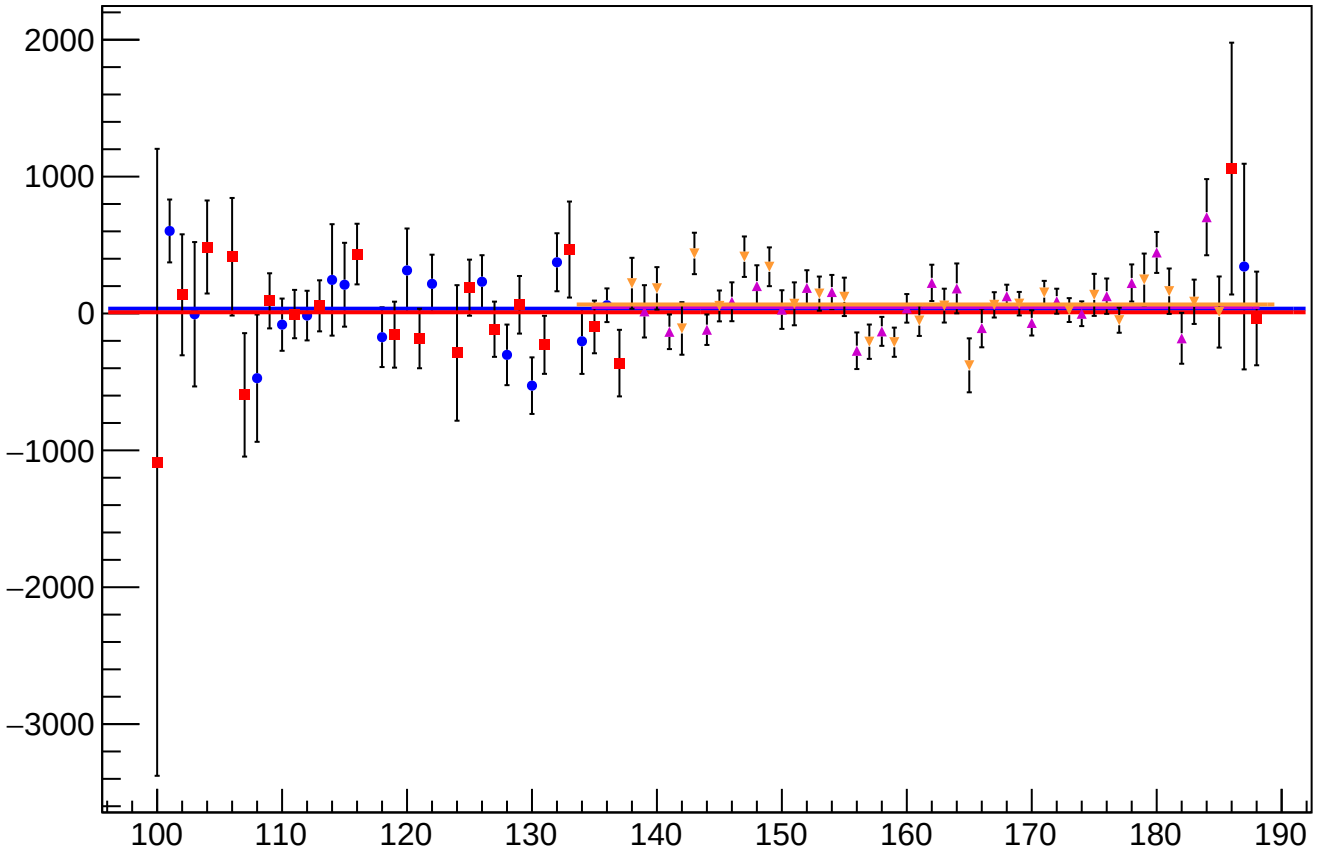
Left: 760.900+/-0.091 χ^2/NDF: 4542686.7/47

Right: 1604.494+/-0.292 χ^2/NDF: 2034355.2/37

In: 827.516+/-0.124 χ^2/NDF:6251499.0/39

Out: 842.759+/-0.121 χ^2/NDF:7938138.4/45

All: 835.284+/-0.087 χ^2/NDF: 14197370.2/85



Right In: 35.113+/-54.762 χ^2/NDF: 25.3/16

Left Out: 65.703+/-25.059 χ^2/NDF:40.0/24

Right Out: 8.793+/-55.252 χ^2/NDF: 18.6/20

Left In: 47.038+/-25.696 χ^2/NDF:38.6/22

Left: 56.604+/-17.941 χ^2/NDF: 78.9/47

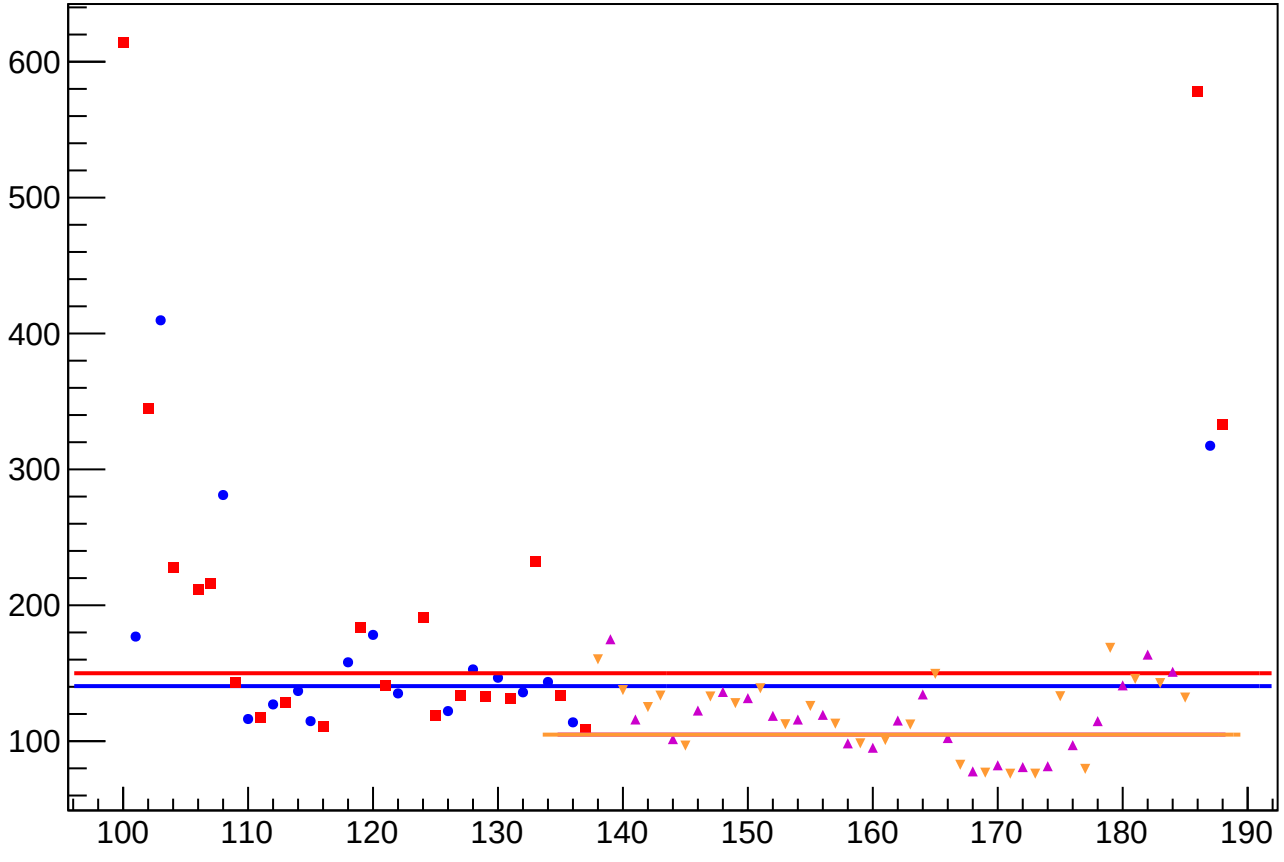
Right: 22.070+/-38.894 χ^2/NDF: 44.1/37

In: 44.886+/-23.263 χ^2/NDF:64.0/39

Out: 55.993+/-22.822 χ^2/NDF:59.6/45

All: 50.546+/-16.291 χ^2/NDF: 123.7/85

eigen_dit_asym_sam3_rms vs Slug, Sign Corrected



Right In: 140.512+/-0.039 χ^2/NDF: 1088191.2/16

Left Out: 104.810+/-0.018 χ^2/NDF:2242815.0/24

Right Out: 149.992+/-0.039 χ^2/NDF: 2149588.4/20

Left In: 104.835+/-0.018 χ^2/NDF:1614484.2/22

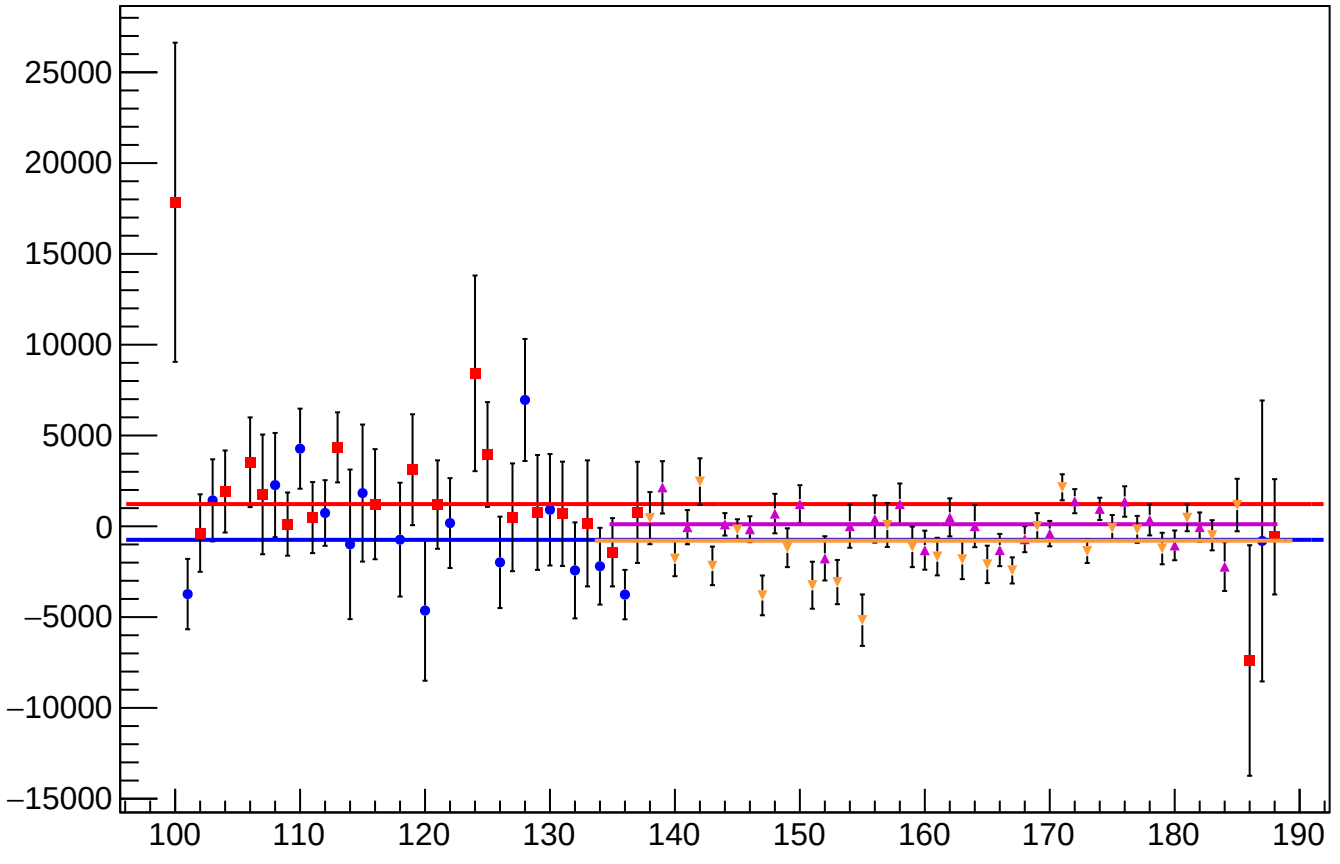
Left: 104.822+/-0.013 χ^2/NDF: 3857300.1/47

Right: 145.209+/-0.028 χ^2/NDF: 3267481.7/37

In: 111.273+/-0.016 χ^2/NDF:3398371.3/39

Out: 112.519+/-0.016 χ^2/NDF:5501622.4/45

All: 111.908+/-0.012 χ^2/NDF: 8902917.7/85



Right In: -745.051+/-594.050 χ^2/NDF: 23.5/16

Left Out: -793.071+/-179.896 χ^2/NDF:70.0/24

Right Out: 1223.164+/-573.725 χ^2/NDF: 15.8/20

Left In: 113.680+/-183.125 χ^2/NDF:26.3/22

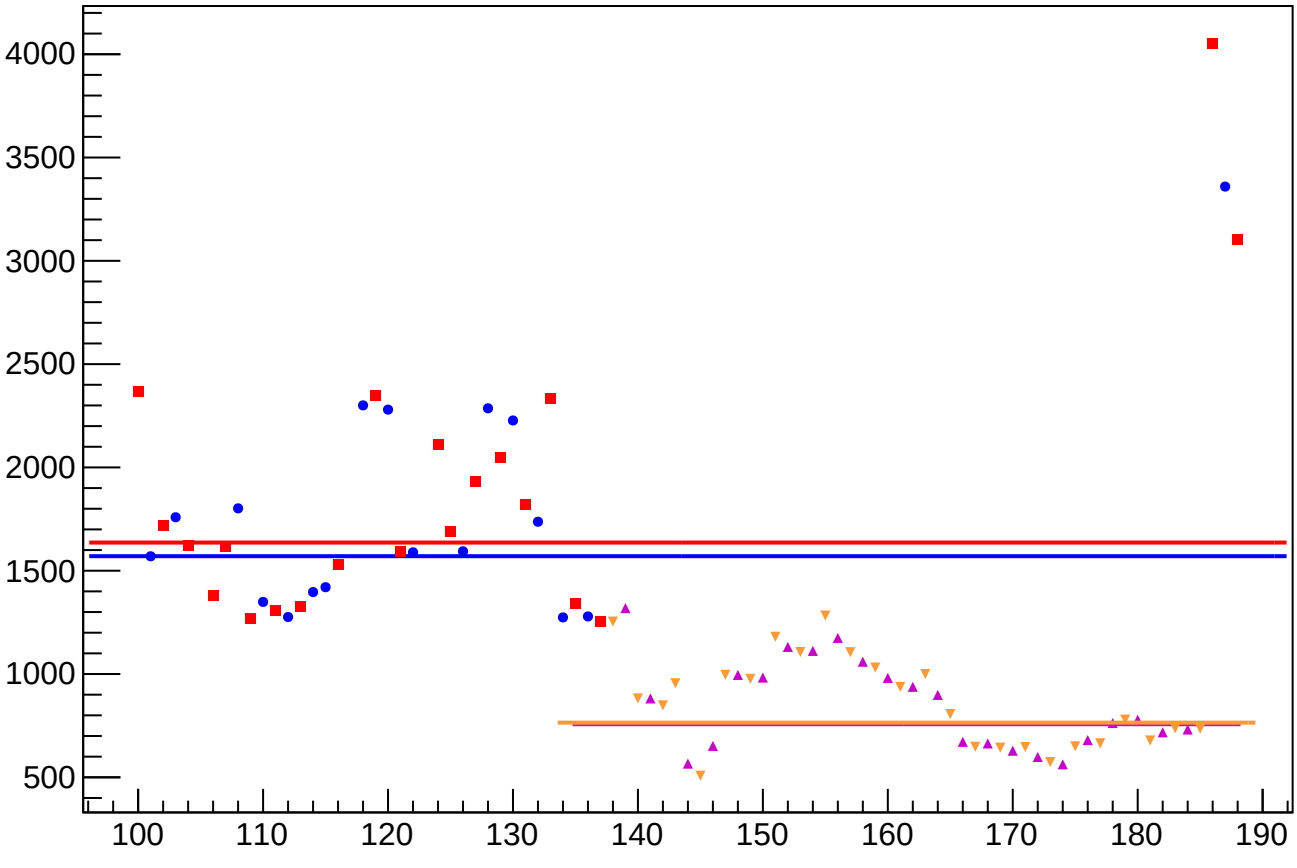
Left: -347.761+/-128.332 χ^2/NDF: 108.8/47

Right: 273.302+/-412.683 χ^2/NDF: 44.9/37

In: 39.158+/-174.999 χ^2/NDF:51.7/39

Out: -612.583+/-171.656 χ^2/NDF:97.0/45

All: -292.998+/-122.544 χ^2/NDF: 155.8/85



Right In: 1570.345+/-0.420 χ^2/NDF: 711797.9/16

Left Out: 764.734+/-0.127 χ^2/NDF:2425549.9/24

Right Out: 1636.344+/-0.406 χ^2/NDF: 1309780.9/20

Left In: 756.926+/-0.129 χ^2/NDF:2115275.0/22

Left: 760.899+/-0.091 χ^2/NDF: 4542675.0/47

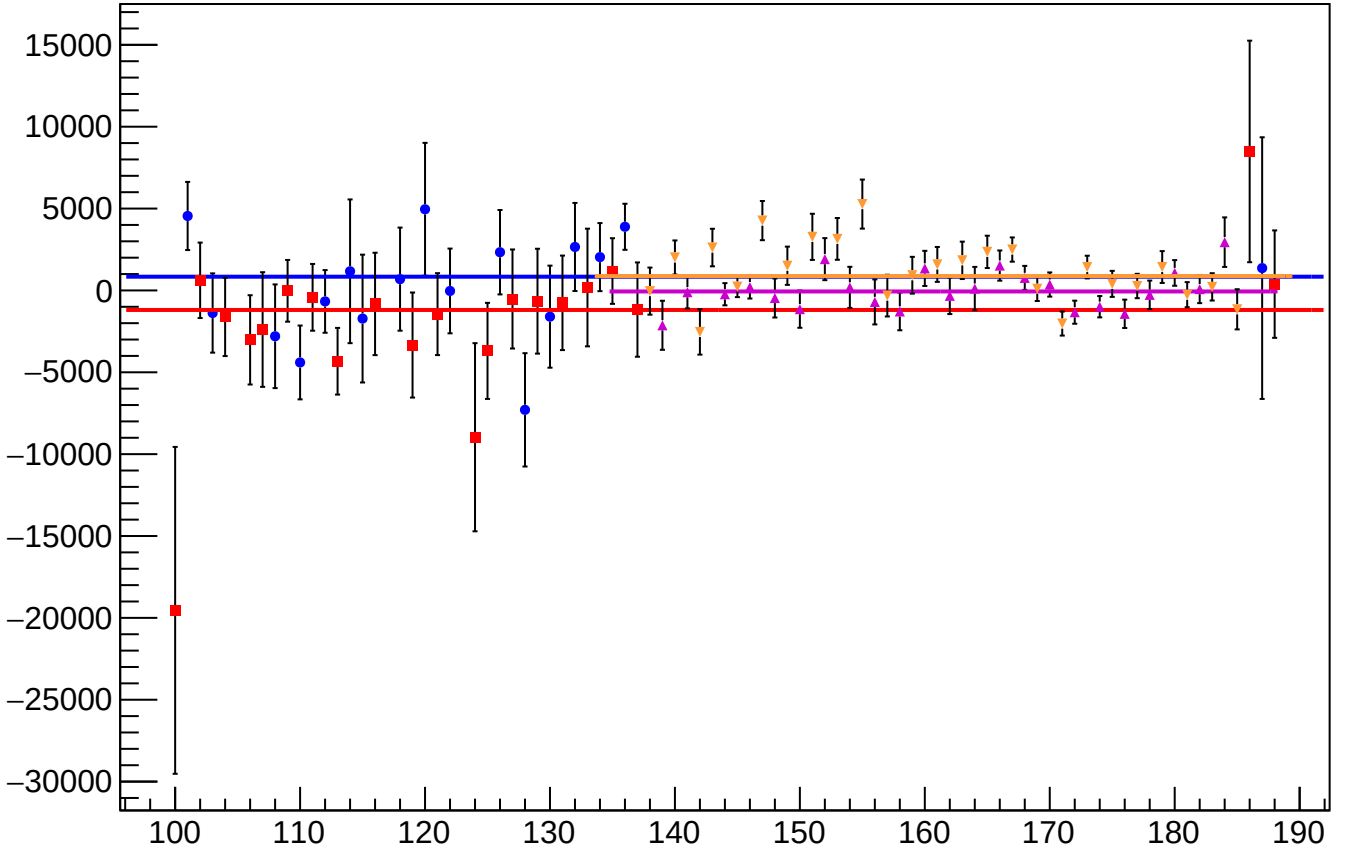
Right: 1604.493+/-0.292 χ^2/NDF: 2034351.4/37

In: 827.515+/-0.124 χ^2/NDF:6251492.6/39

Out: 842.758+/-0.121 χ^2/NDF:7938124.1/45

All: 835.284+/-0.087 χ^2/NDF: 14197349.6/85

asym_sam3_mean vs Slug, Sign Corrected



Right In: 838.642+/-616.933 χ^2/NDF: 24.9/16

Left Out: 876.482+/-188.998 χ^2/NDF:67.3/24

Right Out: -1193.438+/-603.414 χ^2/NDF: 14.4/20

Left In: -62.754+/-191.596 χ^2/NDF:27.1/22

Left: 413.275+/-134.551 χ^2/NDF: 106.6/47

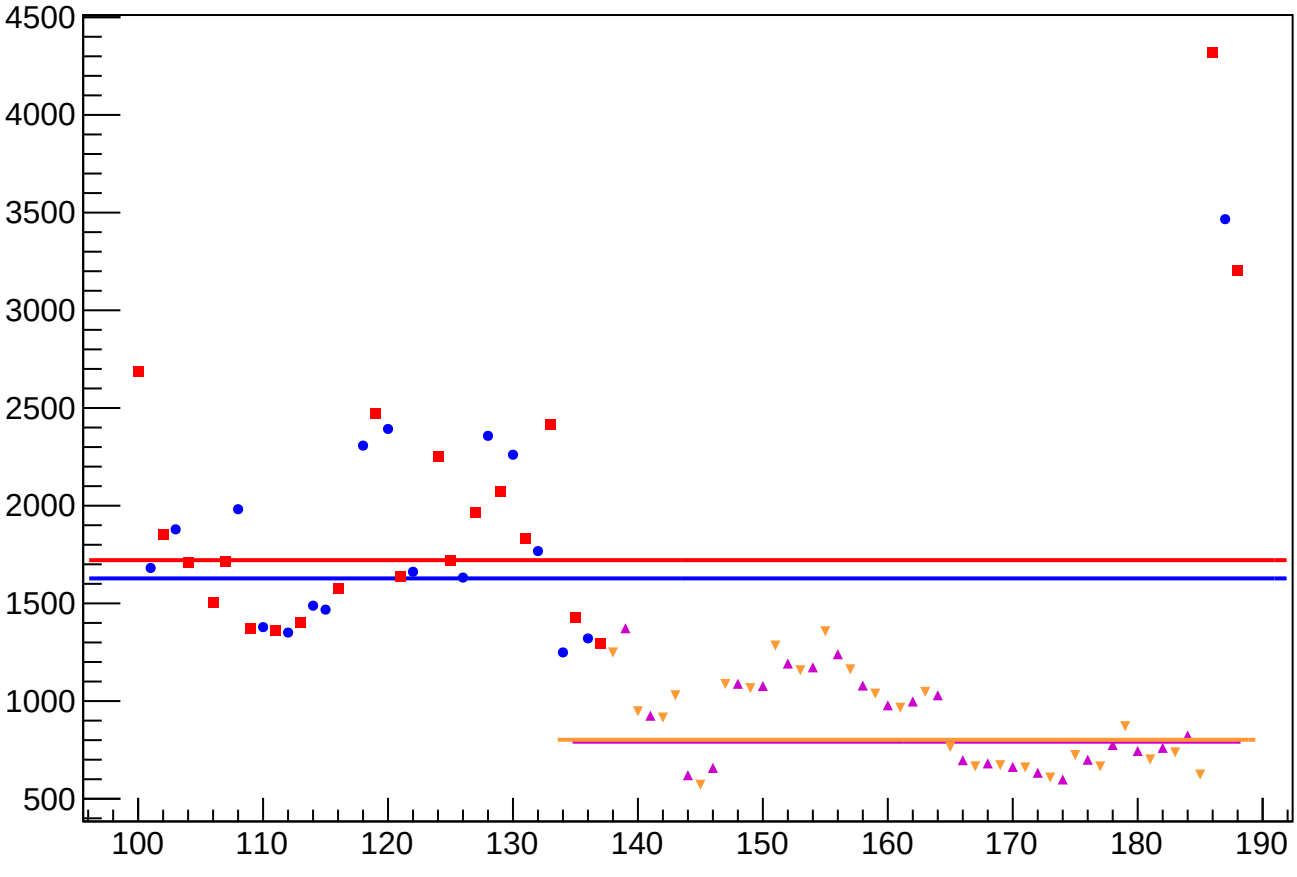
Right: -199.907+/-431.379 χ^2/NDF: 44.9/37

In: 16.537+/-182.976 χ^2/NDF:54.0/39

Out: 691.557+/-180.358 χ^2/NDF:92.4/45

All: 358.909+/-128.448 χ^2/NDF: 153.3/85

asym_sam3_rms vs Slug, Sign Corrected



Right In: 1627.830+/-0.436 χ^2/NDF: 728794.1/16

Left Out: 802.014+/-0.134 χ^2/NDF:2396024.4/24

Right Out: 1721.156+/-0.427 χ^2/NDF: 1256367.1/20

Left In: 792.060+/-0.135 χ^2/NDF:2135575.6/22

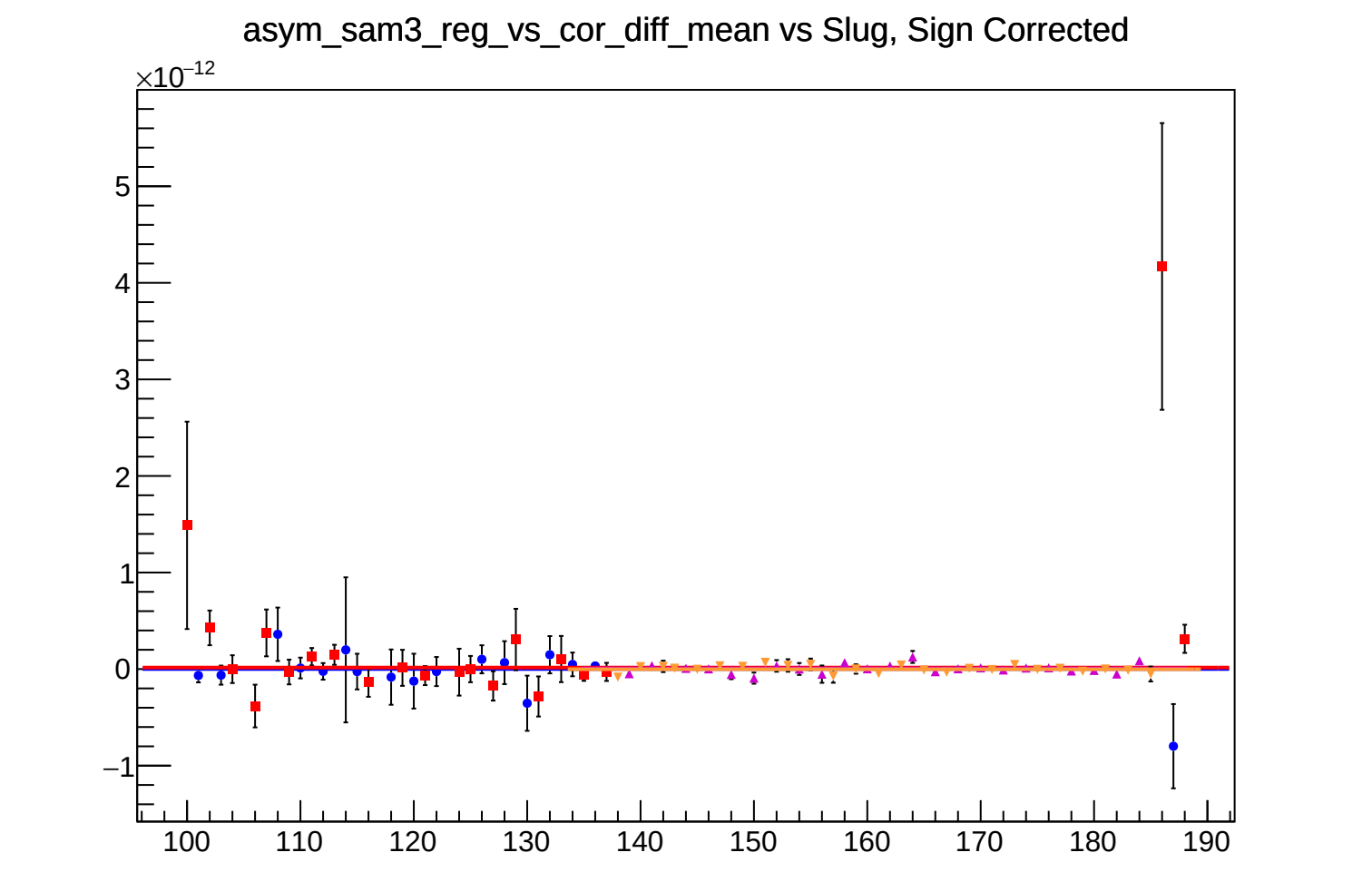
Left: 797.105+/-0.095 χ^2/NDF: 4534335.9/47

Right: 1675.527+/-0.305 χ^2/NDF: 2008552.3/37

In: 865.579+/-0.129 χ^2/NDF:6212002.7/39

Out: 884.130+/-0.128 χ^2/NDF:7878313.0/45

All: 874.988+/-0.091 χ^2/NDF: 14100742.7/85



Right In: 0.000+/-0.000 χ^2/NDF: 10.2/16

Left Out: -0.000+/-0.000 χ^2/NDF:24.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 35.7/20

Left In: 0.000+/-0.000 χ^2/NDF:31.5/22

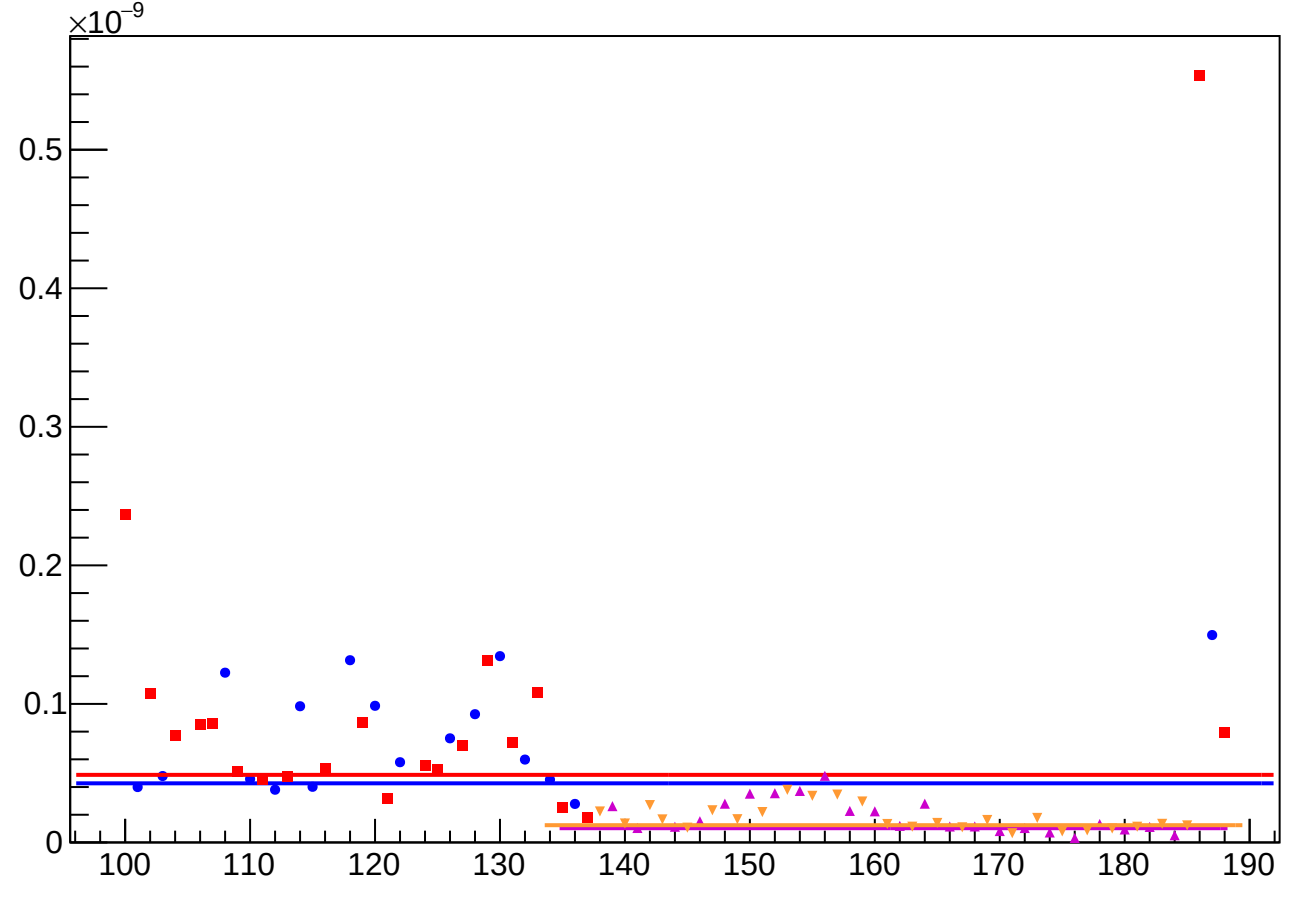
Left: 0.000+/-0.000 χ^2/NDF: 56.6/47

Right: 0.000+/-0.000 χ^2/NDF: 46.0/37

In: 0.000+/-0.000 χ^2/NDF:41.8/39

Out: -0.000+/-0.000 χ^2/NDF:60.0/45

All: 0.000+/-0.000 χ^2/NDF: 102.7/85



Right In: 0.000+/-0.000 χ^2/NDF: 1268744.6/16

Left Out: 0.000+/-0.000 χ^2/NDF:2214354.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 1736481.0/20

Left In: 0.000+/-0.000 χ^2/NDF:3679061.1/22

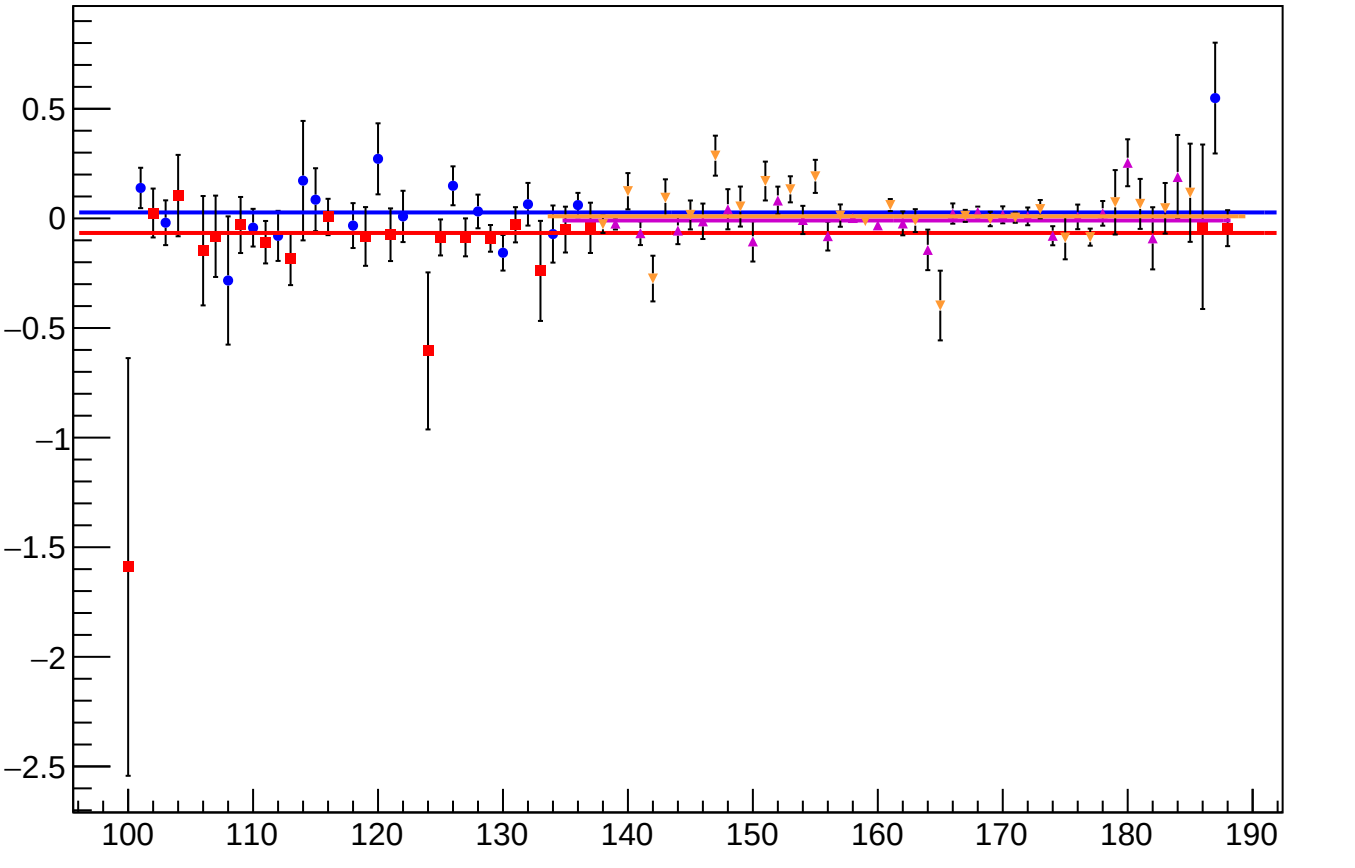
Left: 0.000+/-0.000 χ^2/NDF: 6061170.6/47

Right: 0.000+/-0.000 χ^2/NDF: 3051301.9/37

In: 0.000+/-0.000 χ^2/NDF:7691837.0/39

Out: 0.000+/-0.000 χ^2/NDF:6849762.3/45

All: 0.000+/-0.000 χ^2/NDF: 14739785.6/85



Right In: 0.027+/-0.025 χ^2/NDF: 19.8/16

Left Out: 0.010+/-0.008 χ^2/NDF:54.6/24

Right Out: -0.066+/-0.024 χ^2/NDF: 9.7/20

Left In: -0.009+/-0.008 χ^2/NDF:25.2/22

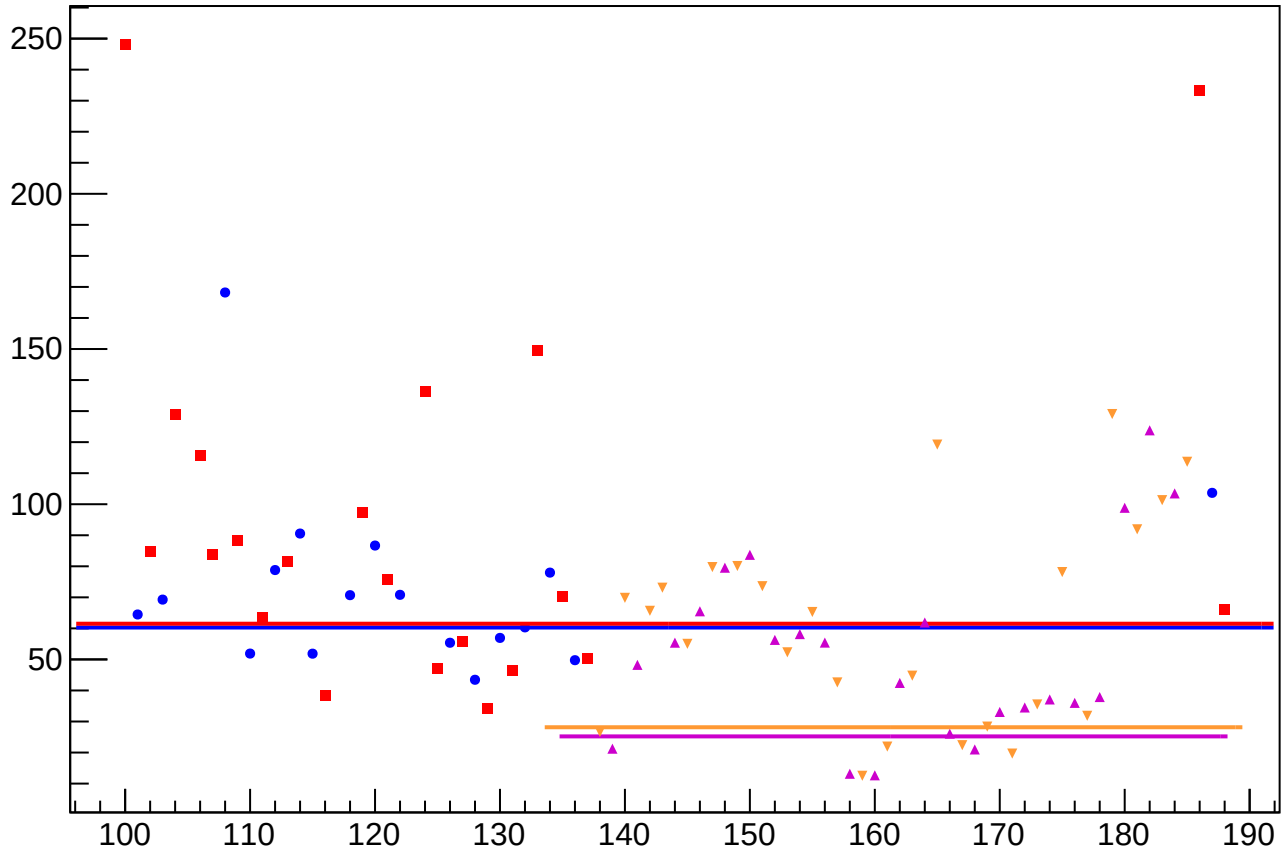
Left: -0.001+/-0.006 χ^2/NDF: 82.5/47

Right: -0.020+/-0.017 χ^2/NDF: 36.9/37

In: -0.006+/-0.008 χ^2/NDF:47.0/39

Out: 0.001+/-0.008 χ^2/NDF:73.2/45

All: -0.003+/-0.005 χ^2/NDF: 120.6/85



Right In: 60.281+/-0.017 χ^2/NDF: 758448.1/16

Left Out: 28.151+/-0.006 χ^2/NDF:11070747.0/24

Right Out: 61.505+/-0.017 χ^2/NDF: 2408532.6/20

Left In: 25.206+/-0.006 χ^2/NDF:9964049.2/22

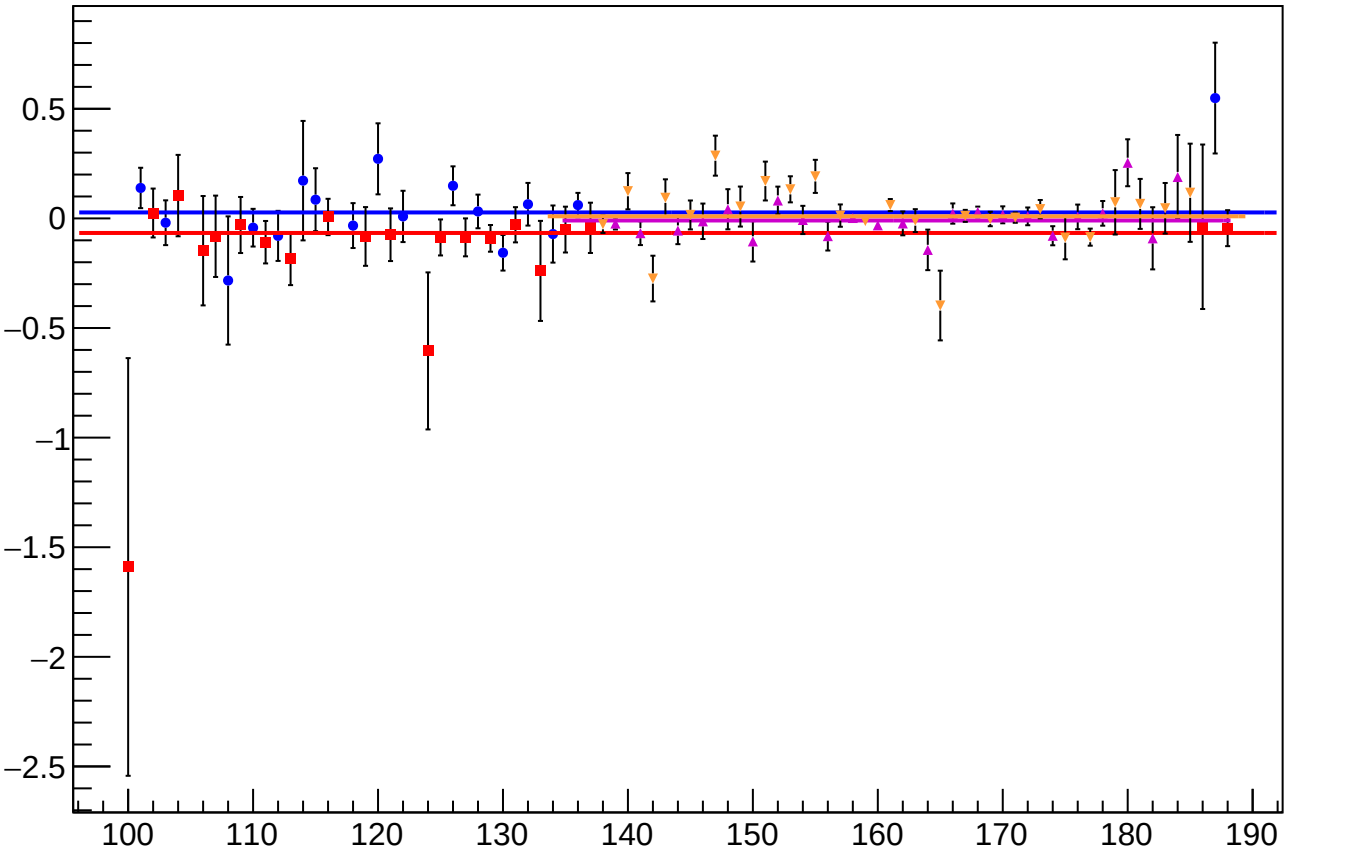
Left: 26.582+/-0.004 χ^2/NDF: 21163962.5/47

Right: 60.904+/-0.012 χ^2/NDF: 3169512.8/37

In: 28.513+/-0.005 χ^2/NDF:14417752.7/39

Out: 31.807+/-0.006 χ^2/NDF:16888221.9/45

All: 30.067+/-0.004 χ^2/NDF: 31485901.4/85



Right In: 0.027+/-0.025 χ^2/NDF: 19.8/16

Left Out: 0.010+/-0.008 χ^2/NDF:54.6/24

Right Out: -0.066+/-0.024 χ^2/NDF: 9.7/20

Left In: -0.009+/-0.008 χ^2/NDF:25.2/22

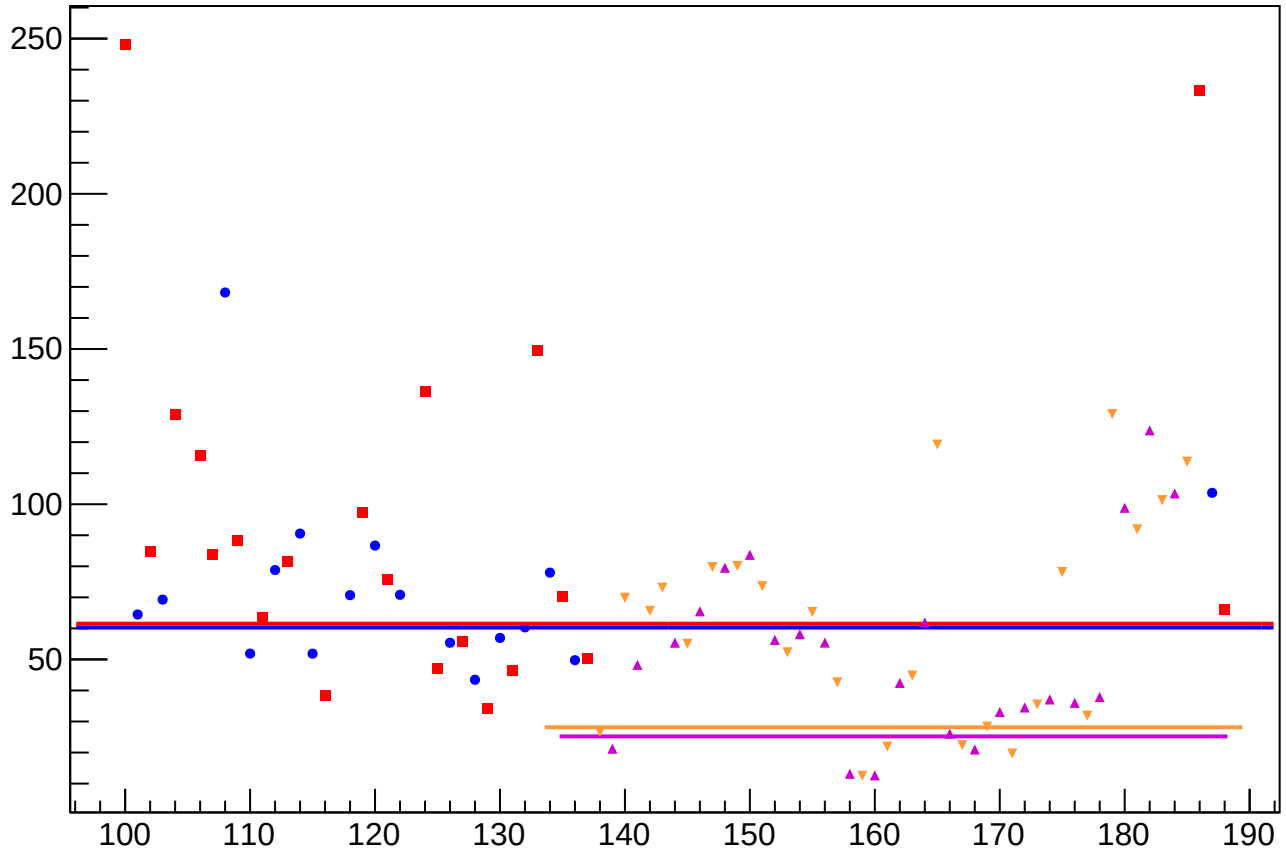
Left: -0.001+/-0.006 χ^2/NDF: 82.5/47

Right: -0.020+/-0.017 χ^2/NDF: 36.9/37

In: -0.006+/-0.008 χ^2/NDF:47.0/39

Out: 0.001+/-0.008 χ^2/NDF:73.2/45

All: -0.003+/-0.005 χ^2/NDF: 120.6/85



Right In: 60.281+/-0.017 χ^2/NDF: 758448.1/16

Left Out: 28.151+/-0.006 χ^2/NDF:11070747.0/24

Right Out: 61.505+/-0.017 χ^2/NDF: 2408532.6/20

Left In: 25.206+/-0.006 χ^2/NDF:9964049.2/22

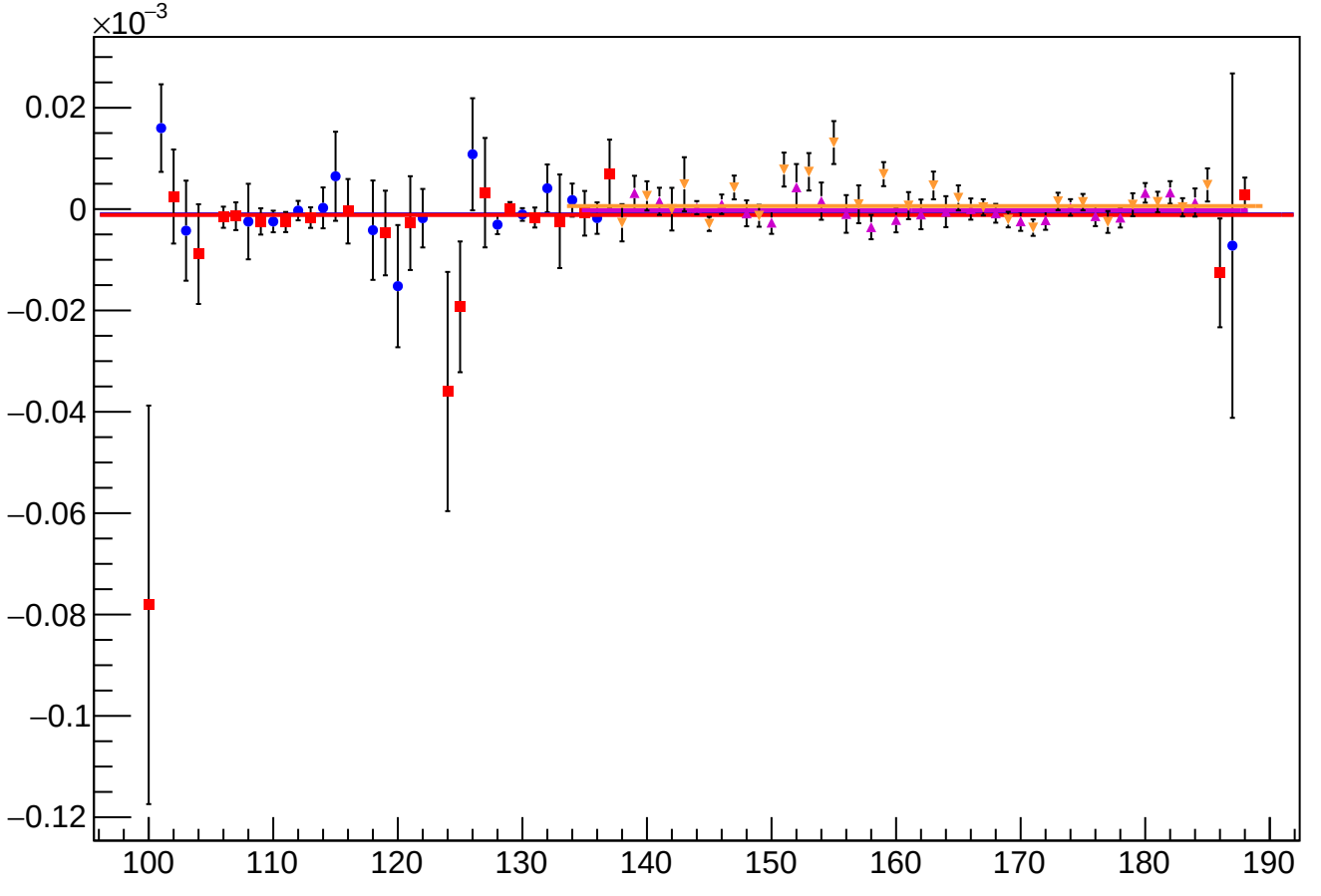
Left: 26.582+/-0.004 χ^2/NDF: 21163962.5/47

Right: 60.904+/-0.012 χ^2/NDF: 3169512.8/37

In: 28.513+/-0.005 χ^2/NDF:14417752.7/39

Out: 31.807+/-0.006 χ^2/NDF:16888221.9/45

All: 30.067+/-0.004 χ^2/NDF: 31485901.4/85



Right In: -0.000+/-0.000 χ^2/NDF: 11.3/16

Left Out: 0.000+/-0.000 χ^2/NDF:52.3/24

Right Out: -0.000+/-0.000 χ^2/NDF: 15.1/20

Left In: -0.000+/-0.000 χ^2/NDF:16.5/22

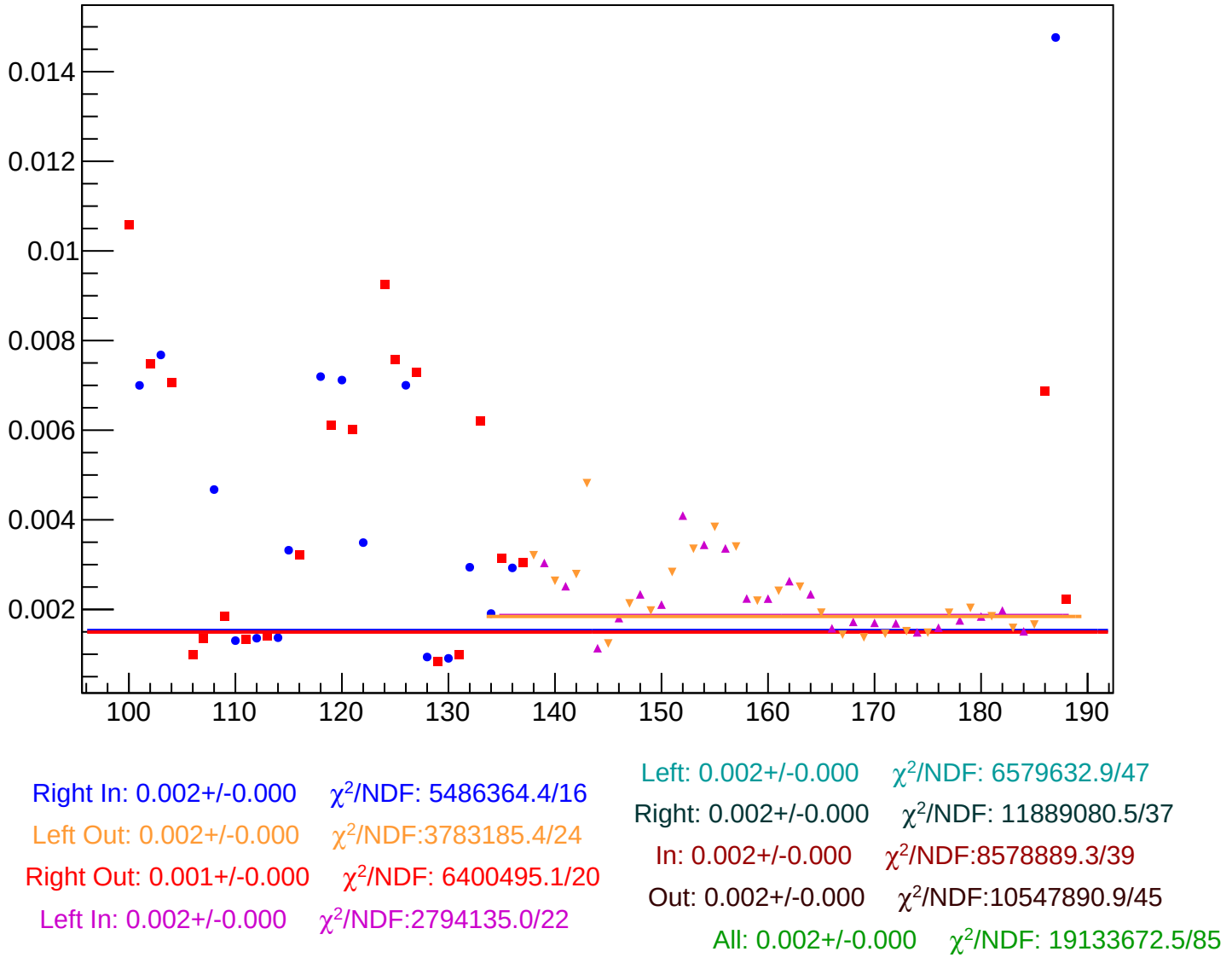
Left: 0.000+/-0.000 χ^2/NDF: 70.6/47

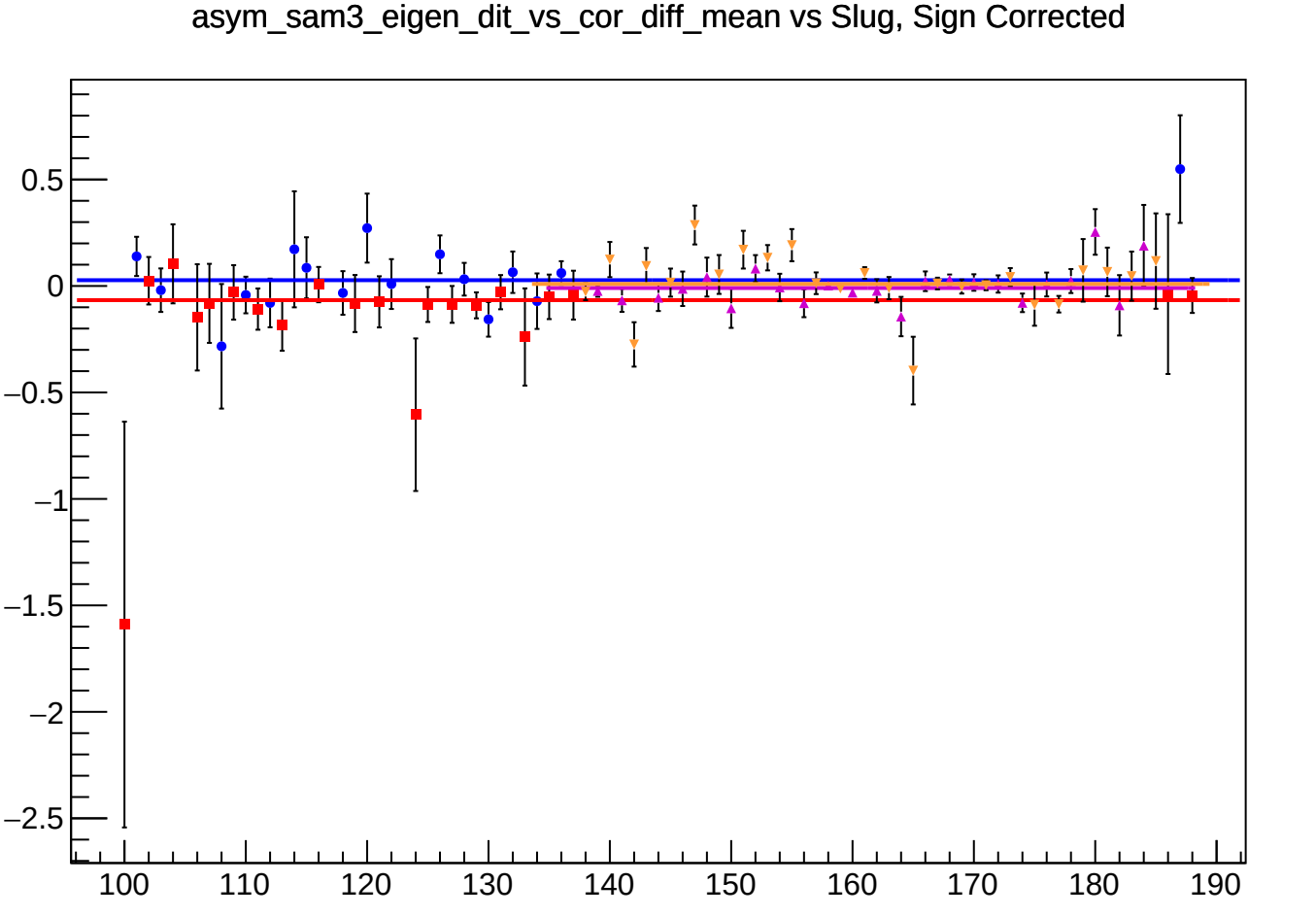
Right: -0.000+/-0.000 χ^2/NDF: 26.4/37

In: -0.000+/-0.000 χ^2/NDF:28.7/39

Out: 0.000+/-0.000 χ^2/NDF:72.1/45

All: -0.000+/-0.000 χ^2/NDF: 101.8/85


asym_sam3_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
110
120
130
140
150
160
170
180
190
Right In: 0.002+/-0.000 χ²/NDF: 5486364.4/16
Left Out: 0.002+/-0.000 χ²/NDF:3783185.4/24
Right Out: 0.001+/-0.000 χ²/NDF: 6400495.1/20
Left In: 0.002+/-0.000 χ²/NDF:2794135.0/22
Left: 0.002+/-0.000 χ²/NDF: 6579632.9/47
Right: 0.002+/-0.000 χ²/NDF: 11889080.5/37
In: 0.002+/-0.000 χ²/NDF:8578889.3/39
Out: 0.002+/-0.000 χ²/NDF:10547890.9/45
All: 0.002+/-0.000 χ²/NDF: 19133672.5/85



Right In: 0.027+/-0.025 χ^2/NDF: 19.8/16

Left Out: 0.010+/-0.008 χ^2/NDF:54.6/24

Right Out: -0.066+/-0.024 χ^2/NDF: 9.7/20

Left In: -0.009+/-0.008 χ^2/NDF:25.2/22

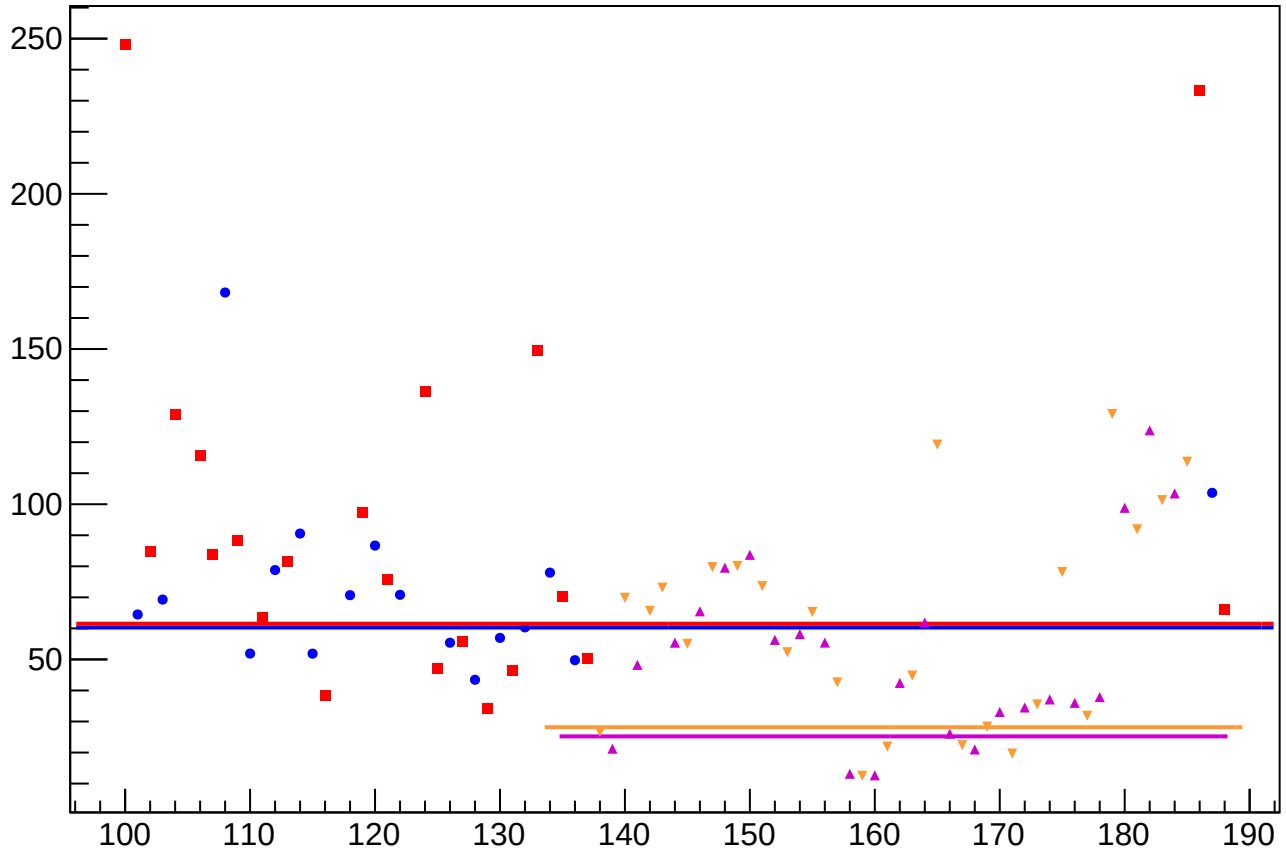
Left: -0.001+/-0.006 χ^2/NDF: 82.5/47

Right: -0.020+/-0.017 χ^2/NDF: 36.9/37

In: -0.006+/-0.008 χ^2/NDF:47.0/39

Out: 0.001+/-0.008 χ^2/NDF:73.2/45

All: -0.003+/-0.005 χ^2/NDF: 120.6/85



Right In: 60.282+/-0.017 χ^2/NDF: 758508.8/16

Left Out: 28.150+/-0.006 χ^2/NDF:11071818.3/24

Right Out: 61.506+/-0.017 χ^2/NDF: 2408624.1/20

Left In: 25.205+/-0.006 χ^2/NDF:9964548.1/22

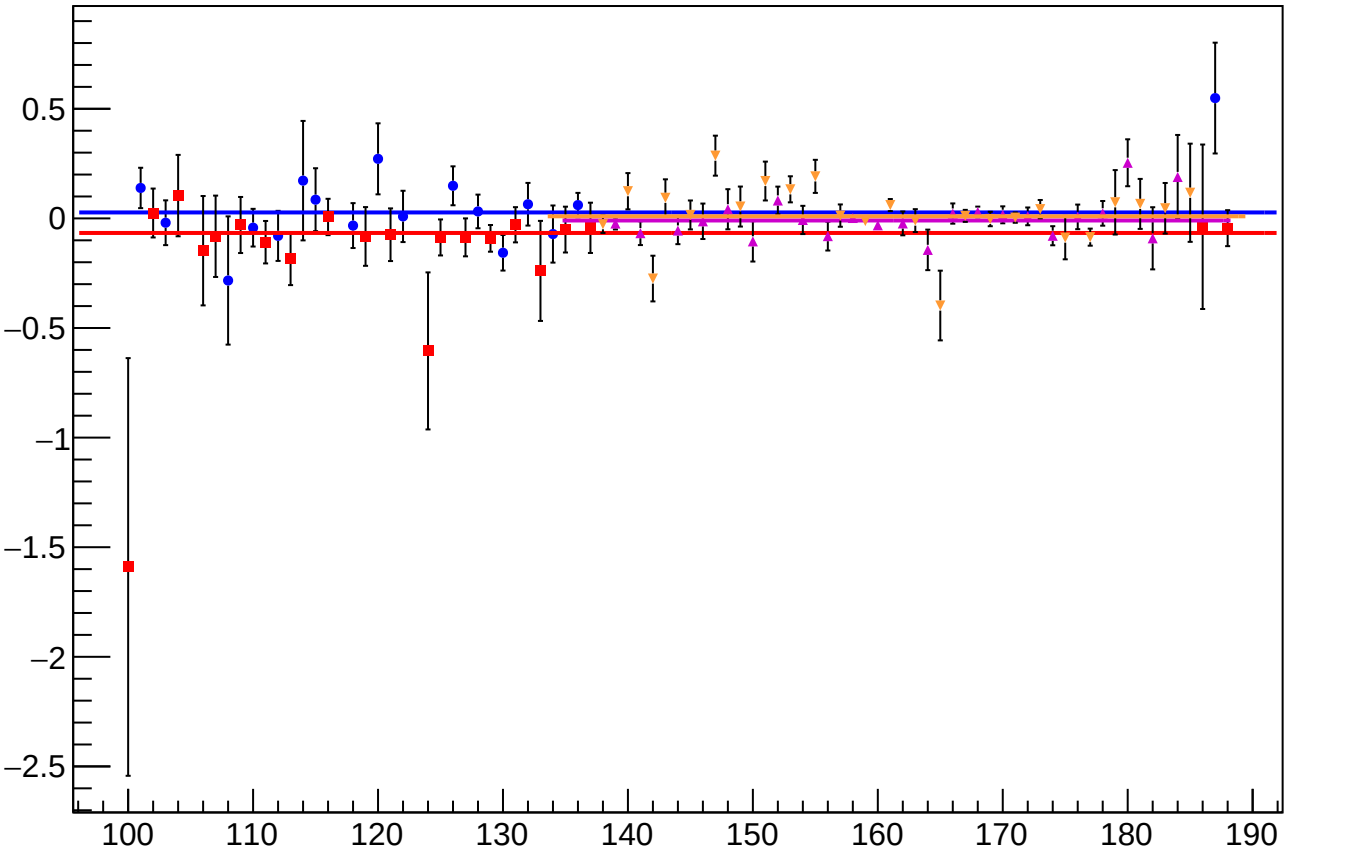
Left: 26.582+/-0.004 χ^2/NDF: 21165461.1/47

Right: 60.905+/-0.012 χ^2/NDF: 3169665.8/37

In: 28.513+/-0.005 χ^2/NDF:14418456.4/39

Out: 31.805+/-0.006 χ^2/NDF:16889750.1/45

All: 30.066+/-0.004 χ^2/NDF: 31488047.2/85



Right In: 0.027+/-0.025 χ^2/NDF: 19.8/16

Left Out: 0.010+/-0.008 χ^2/NDF:54.6/24

Right Out: -0.066+/-0.024 χ^2/NDF: 9.7/20

Left In: -0.009+/-0.008 χ^2/NDF:25.2/22

Left: -0.001+/-0.006 χ^2/NDF: 82.5/47

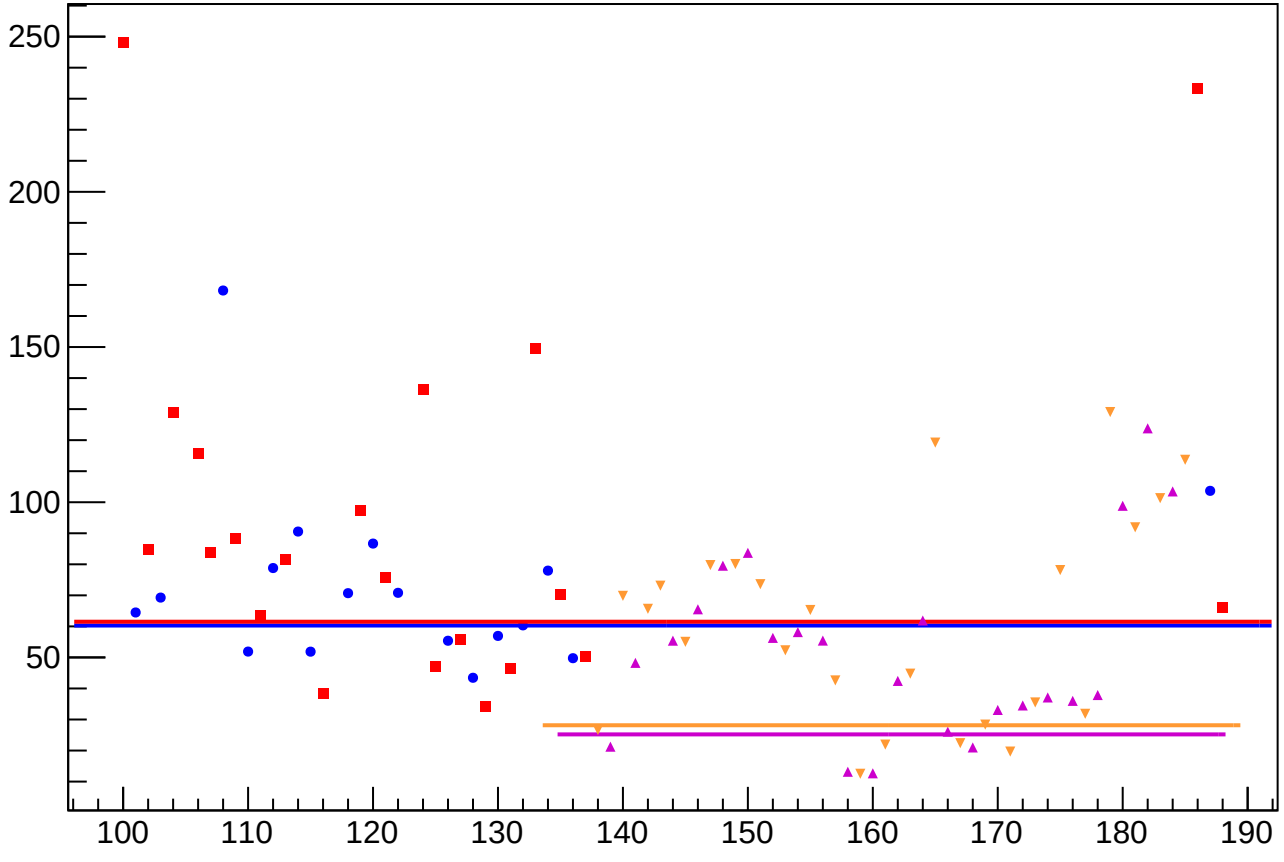
Right: -0.020+/-0.017 χ^2/NDF: 36.9/37

In: -0.006+/-0.008 χ^2/NDF:47.0/39

Out: 0.001+/-0.008 χ^2/NDF:73.2/45

All: -0.003+/-0.005 χ^2/NDF: 120.6/85

asym_sam3_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 60.282+/-0.017 χ^2/NDF: 758508.8/16

Left Out: 28.150+/-0.006 χ^2/NDF:11071818.3/24

Right Out: 61.506+/-0.017 χ^2/NDF: 2408624.1/20

Left In: 25.205+/-0.006 χ^2/NDF:9964548.1/22

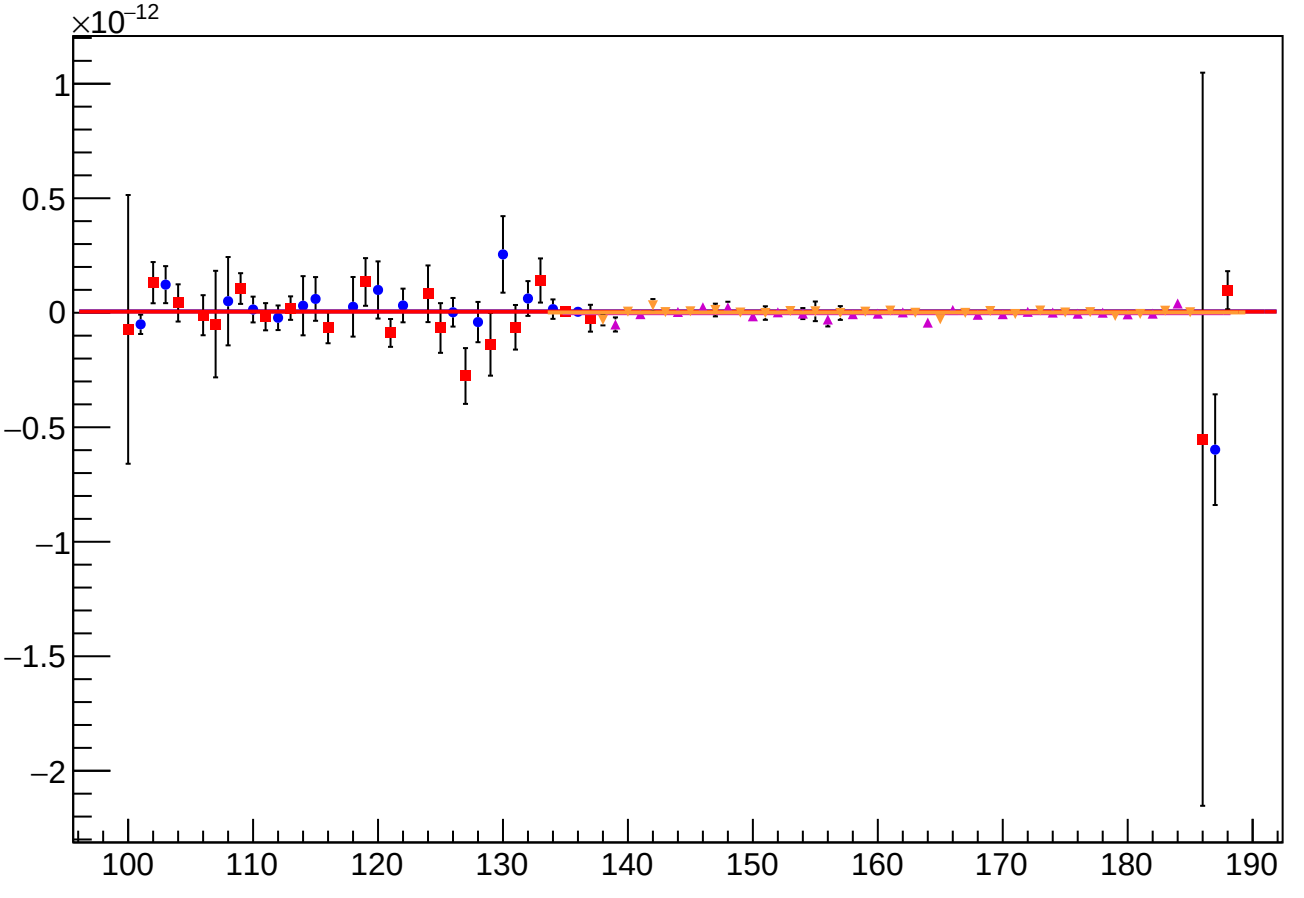
Left: 26.582+/-0.004 χ^2/NDF: 21165461.1/47

Right: 60.905+/-0.012 χ^2/NDF: 3169665.8/37

In: 28.513+/-0.005 χ^2/NDF:14418456.4/39

Out: 31.805+/-0.006 χ^2/NDF:16889750.1/45

All: 30.066+/-0.004 χ^2/NDF: 31488047.2/85



Right In: 0.000+/-0.000 χ^2/NDF: 14.6/16

Left Out: 0.000+/-0.000 χ^2/NDF:11.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 21.1/20

Left In: -0.000+/-0.000 χ^2/NDF:20.8/22

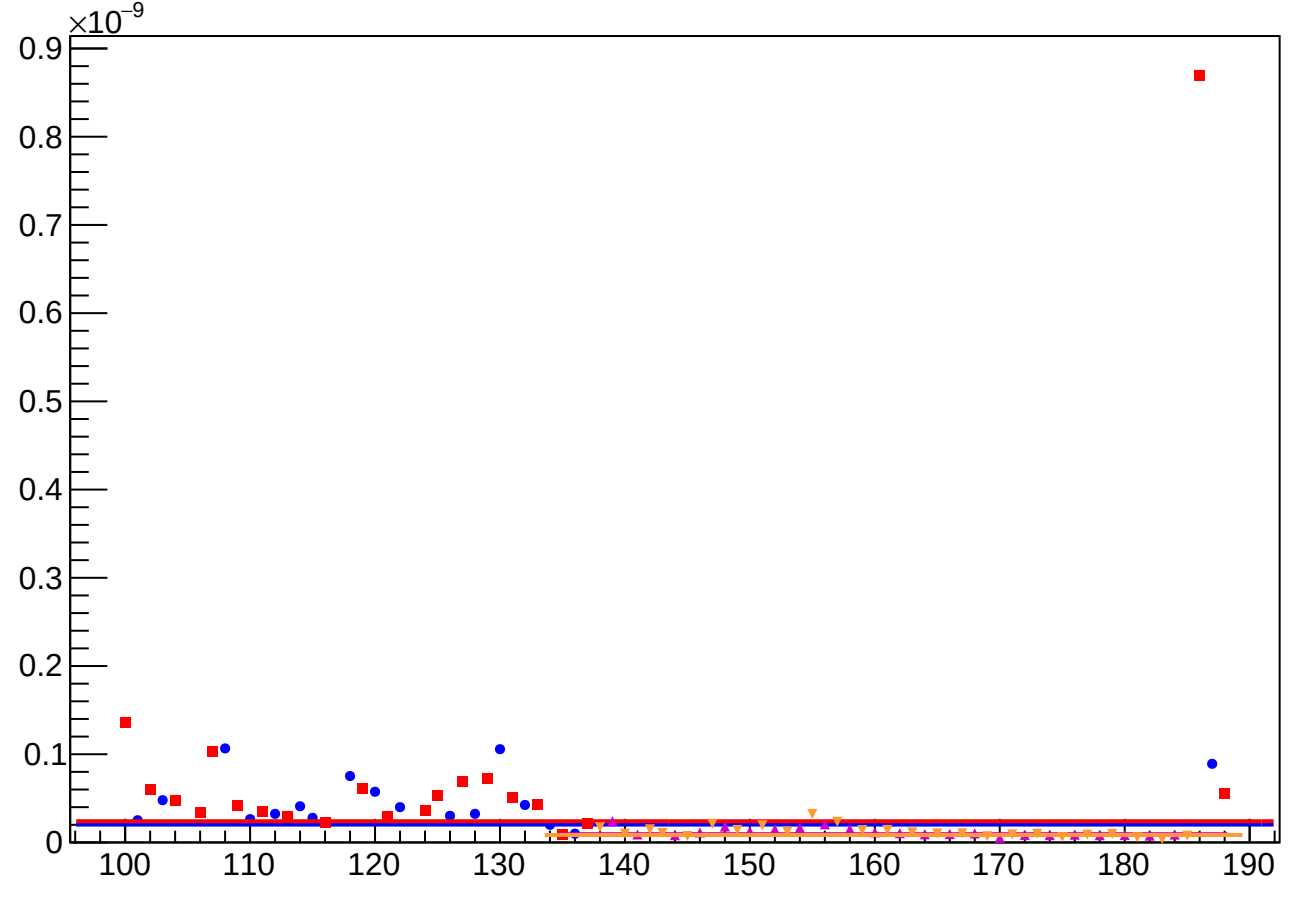
Left: -0.000+/-0.000 χ^2/NDF: 32.7/47

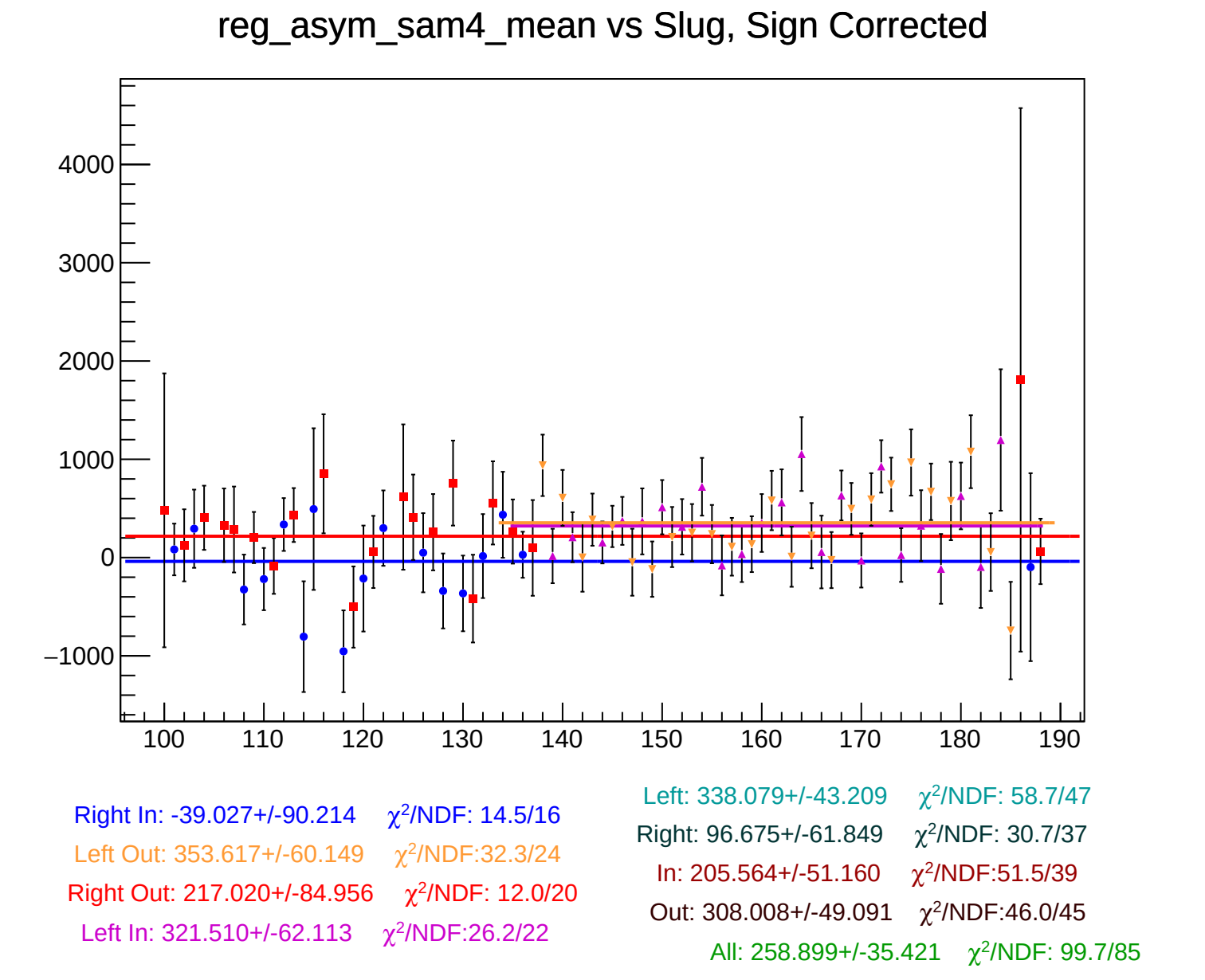
Right: 0.000+/-0.000 χ^2/NDF: 35.7/37

In: -0.000+/-0.000 χ^2/NDF:35.9/39

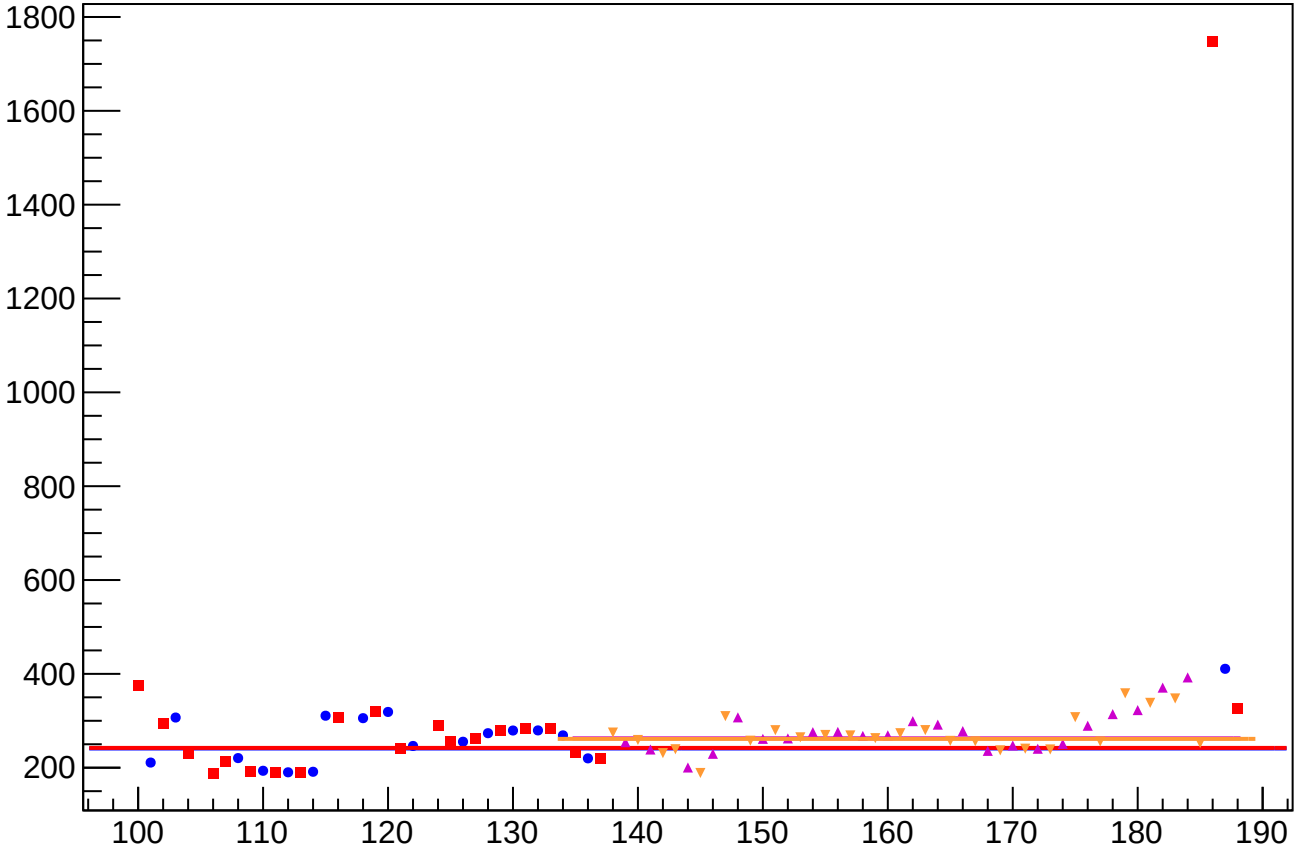
Out: 0.000+/-0.000 χ^2/NDF:32.4/45

All: 0.000+/-0.000 χ^2/NDF: 68.8/85


asym_sam3_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 3284248.5/16
Left Out: 0.000+/-0.000 χ²/NDF:4343727.1/24
Right Out: 0.000+/-0.000 χ²/NDF: 4377871.8/20
Left In: 0.000+/-0.000 χ²/NDF:2146041.0/22
Left: 0.000+/-0.000 χ²/NDF: 6595432.2/47
Right: 0.000+/-0.000 χ²/NDF: 7750432.5/37
In: 0.000+/-0.000 χ²/NDF:6951050.6/39
Out: 0.000+/-0.000 χ²/NDF:11343362.2/45
All: 0.000+/-0.000 χ²/NDF: 18400255.5/85


reg_asym_sam4_mean vs Slug, Sign Corrected
4000
3000
2000
1000
0
−1000
100
110
120
130
140
150
160
170
180
190
Right In: -39.027+/-90.214 χ²/NDF: 14.5/16
Left Out: 353.617+/-60.149 χ²/NDF:32.3/24
Right Out: 217.020+/-84.956 χ²/NDF: 12.0/20
Left In: 321.510+/-62.113 χ²/NDF:26.2/22
Left: 338.079+/-43.209 χ²/NDF: 58.7/47
Right: 96.675+/-61.849 χ²/NDF: 30.7/37
In: 205.564+/-51.160 χ²/NDF:51.5/39
Out: 308.008+/-49.091 χ²/NDF:46.0/45
All: 258.899+/-35.421 χ²/NDF: 99.7/85

reg_asym_sam4_rms vs Slug, Sign Corrected



Right In: 240.974+/-0.064 χ^2/NDF: 464598.4/16

Left Out: 261.470+/-0.043 χ^2/NDF:715467.9/24

Right Out: 242.193+/-0.060 χ^2/NDF: 1213973.5/20

Left In: 262.616+/-0.044 χ^2/NDF:670646.3/22

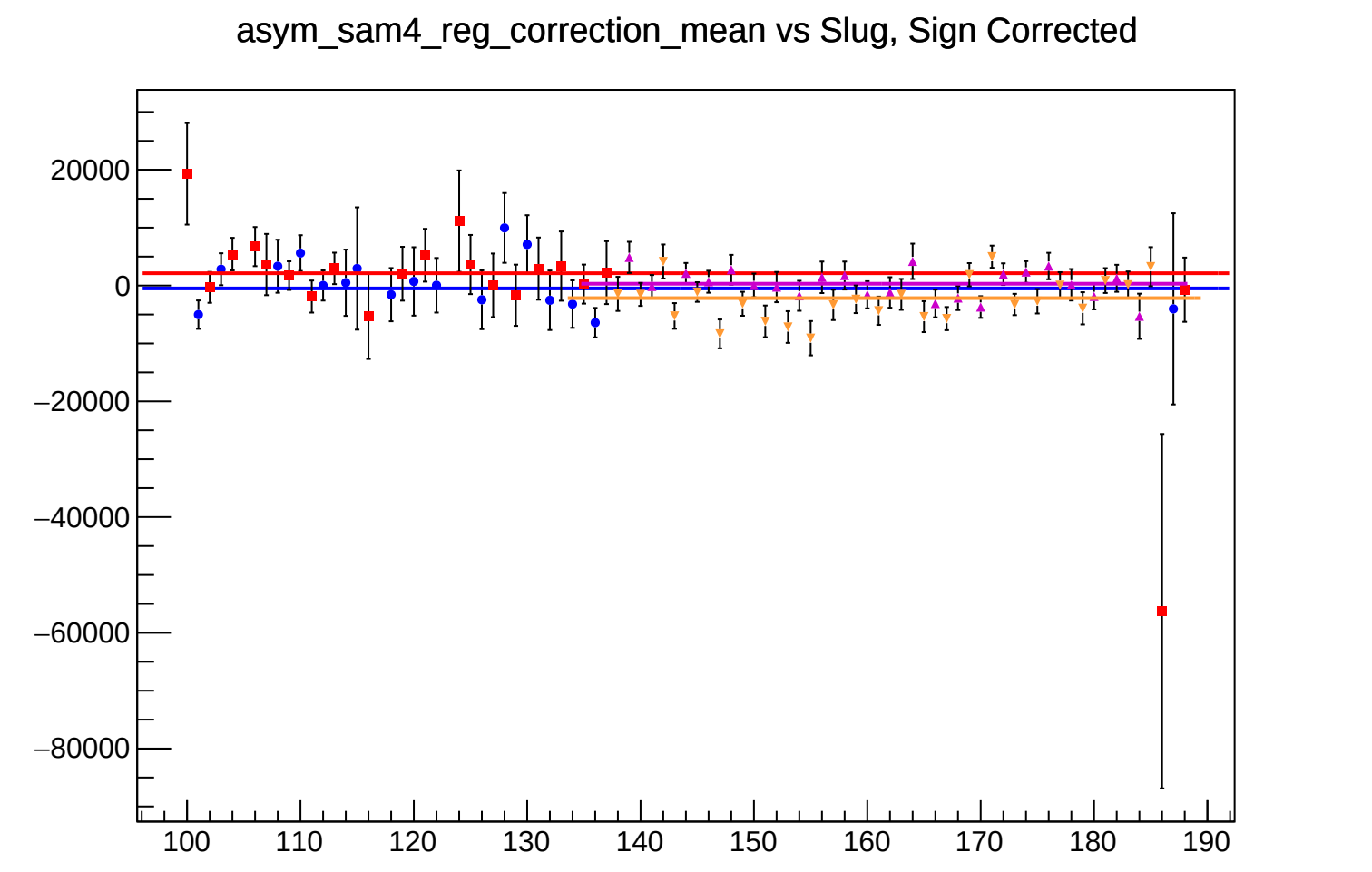
Left: 262.024+/-0.031 χ^2/NDF: 1386465.9/47

Right: 241.620+/-0.044 χ^2/NDF: 1678765.3/37

In: 255.656+/-0.036 χ^2/NDF:1213329.4/39

Out: 255.033+/-0.035 χ^2/NDF:1998031.5/45

All: 255.332+/-0.025 χ^2/NDF: 3211515.3/85



Right In: -497.553+/-945.903 χ^2/NDF: 21.2/16

Left Out: -2171.840+/-461.649 χ^2/NDF:55.5/24

Right Out: 2128.218+/-882.415 χ^2/NDF: 17.8/20

Left In: 313.739+/-474.086 χ^2/NDF:23.7/22

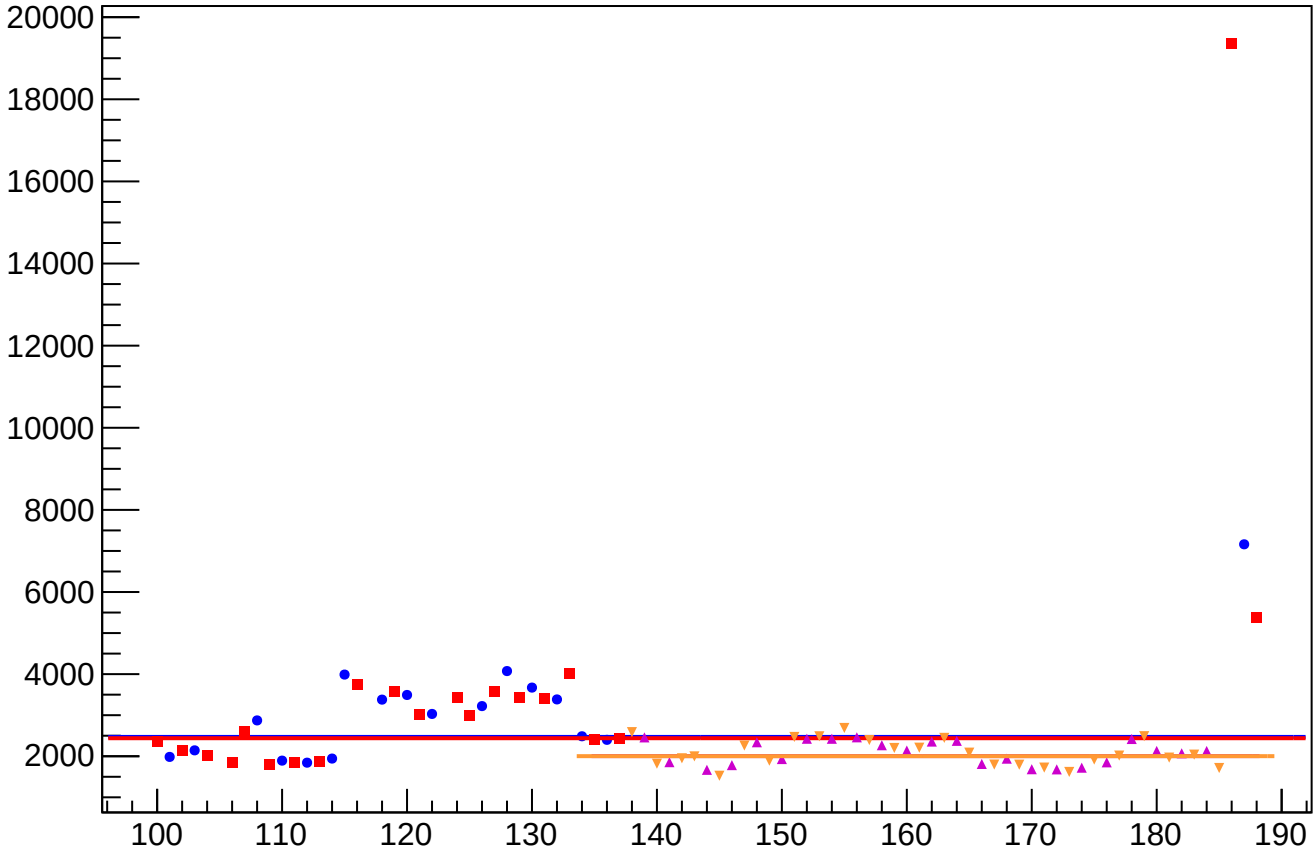
Left: -962.081+/-330.744 χ^2/NDF: 93.3/47

Right: 906.402+/-645.240 χ^2/NDF: 43.1/37

In: 150.858+/-423.832 χ^2/NDF:45.4/39

Out: -1247.815+/-409.051 χ^2/NDF:92.0/45

All: -573.292+/-294.330 χ^2/NDF: 143.0/85



Right In: 2470.548+/-0.669 χ^2/NDF: 1056352.0/16

Left Out: 2002.229+/-0.326 χ^2/NDF:892707.2/24

Right Out: 2439.267+/-0.624 χ^2/NDF: 2245913.2/20

Left In: 2004.244+/-0.335 χ^2/NDF:704919.9/22

Left: 2003.210+/-0.234 χ^2/NDF: 1597645.7/47

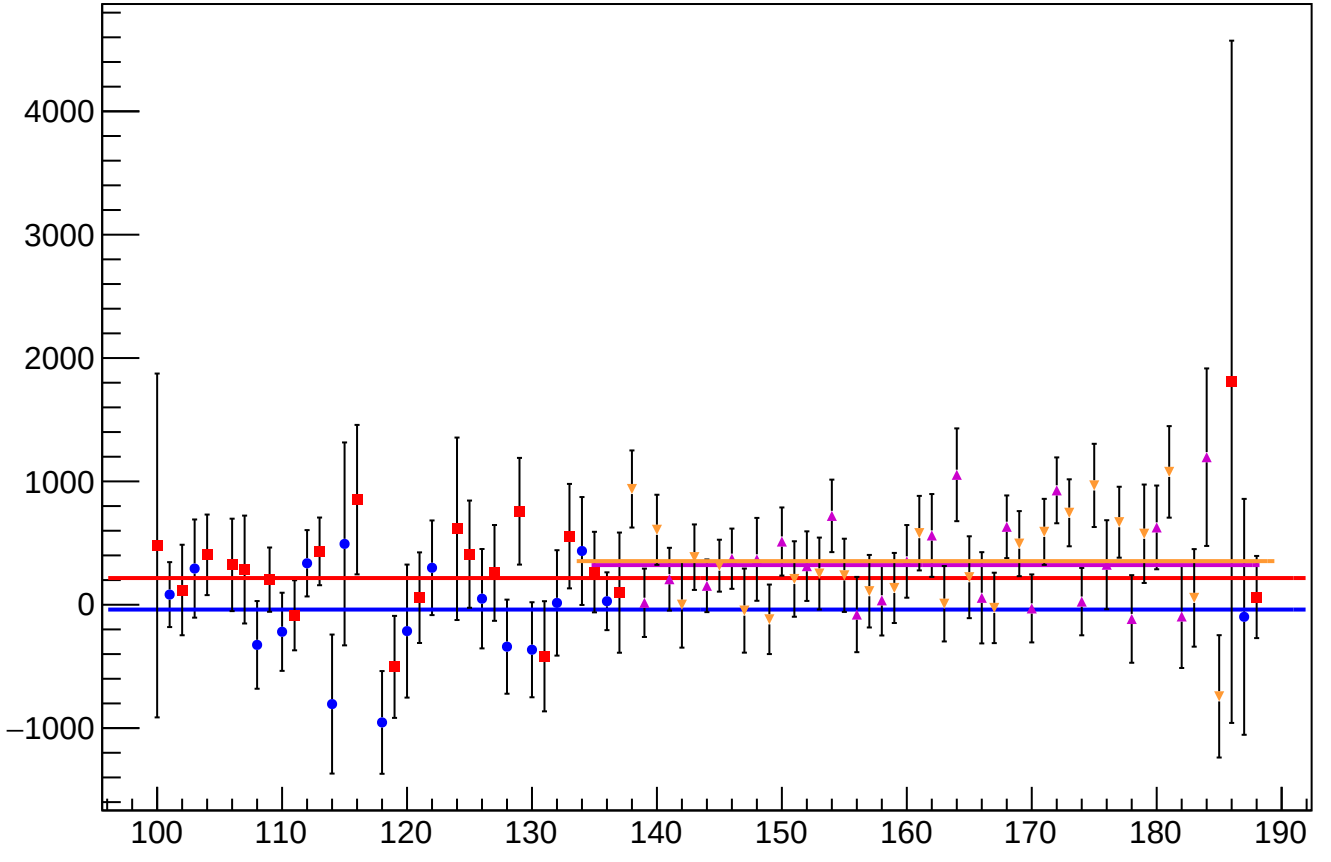
Right: 2453.823+/-0.456 χ^2/NDF: 3303434.7/37

In: 2097.863+/-0.300 χ^2/NDF:2149733.4/39

Out: 2096.143+/-0.289 χ^2/NDF:3523792.5/45

All: 2096.972+/-0.208 χ^2/NDF: 5673542.9/85

cor_asym_sam4_mean vs Slug, Sign Corrected



Right In: -39.049+/-90.214 χ^2/NDF: 14.5/16

Left Out: 353.640+/-60.149 χ^2/NDF:32.3/24

Right Out: 216.404+/-84.969 χ^2/NDF: 12.0/20

Left In: 321.514+/-62.113 χ^2/NDF:26.2/22

Left: 338.093+/-43.209 χ^2/NDF: 58.7/47

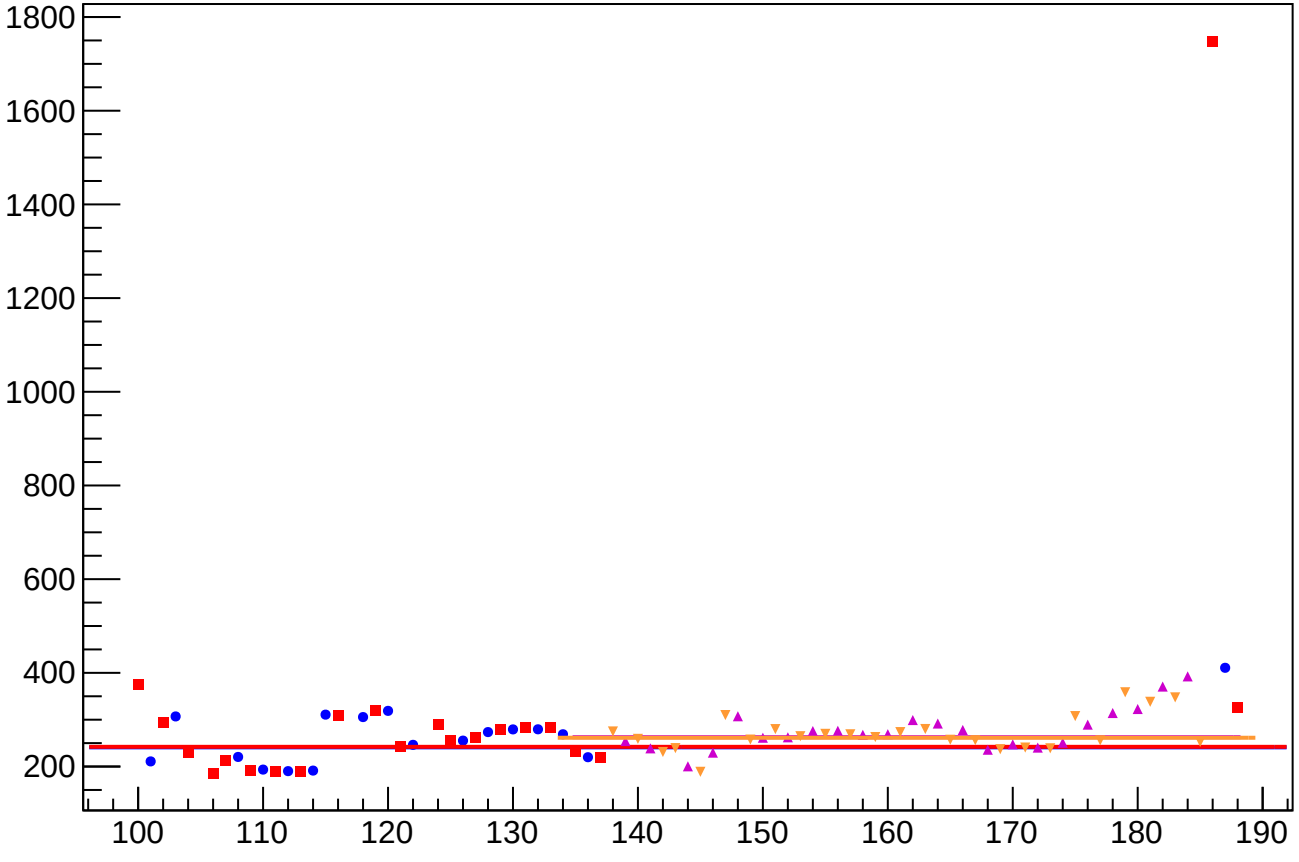
Right: 96.320+/-61.853 χ^2/NDF: 30.7/37

In: 205.560+/-51.160 χ^2/NDF:51.5/39

Out: 307.827+/-49.093 χ^2/NDF:46.0/45

All: 258.801+/-35.422 χ^2/NDF: 99.7/85

cor_asym_sam4_rms vs Slug, Sign Corrected



Right In: 240.974+/-0.064 χ^2/NDF: 464600.8/16

Left Out: 261.470+/-0.043 χ^2/NDF:715467.9/24

Right Out: 242.081+/-0.060 χ^2/NDF: 1217954.8/20

Left In: 262.616+/-0.044 χ^2/NDF:670646.4/22

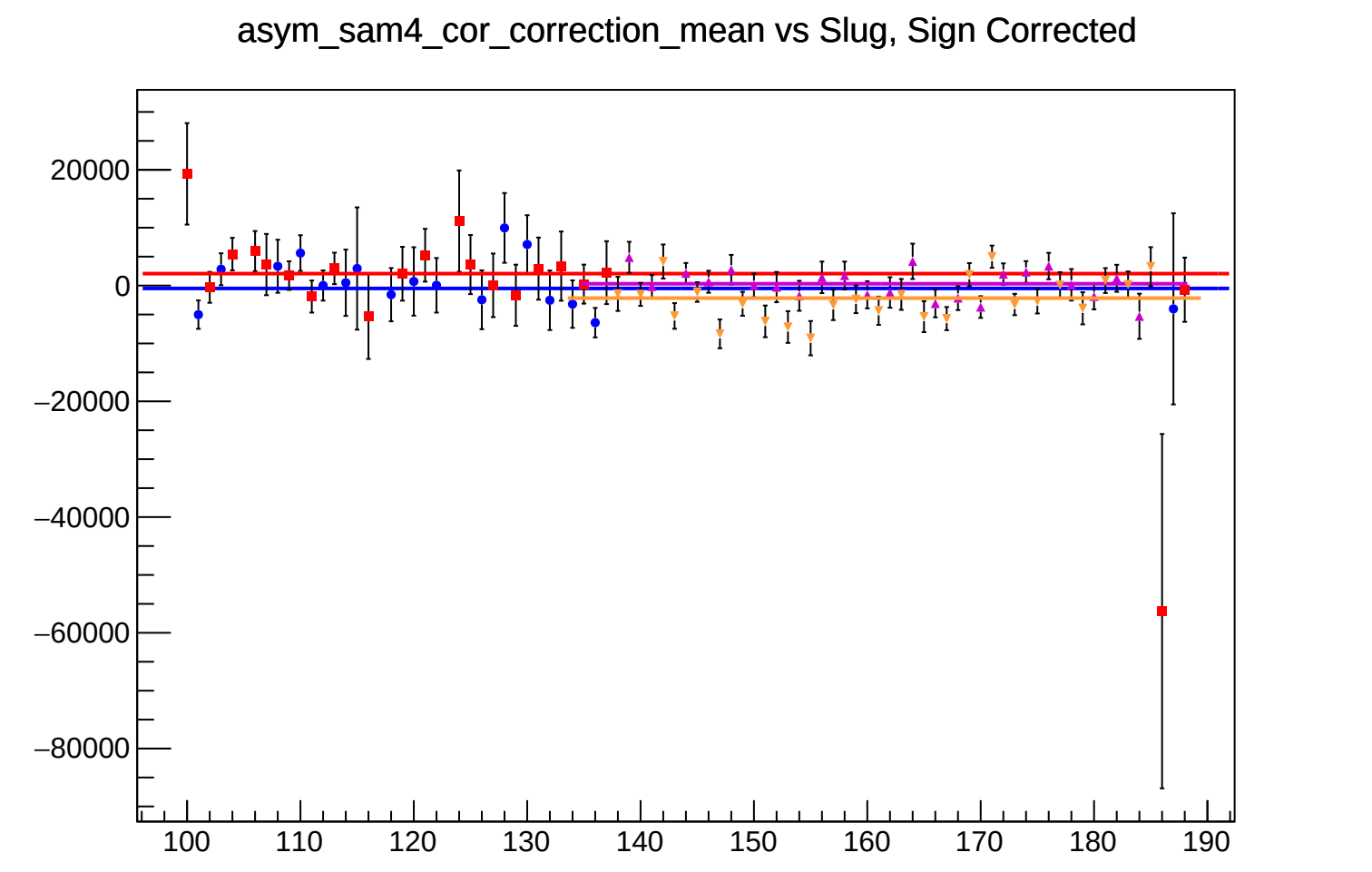
Left: 262.024+/-0.031 χ^2/NDF: 1386465.9/47

Right: 241.561+/-0.044 χ^2/NDF: 1682715.2/37

In: 255.656+/-0.036 χ^2/NDF:1213331.4/39

Out: 254.997+/-0.035 χ^2/NDF:2002795.4/45

All: 255.313+/-0.025 χ^2/NDF: 3216299.6/85



Right In: -497.724+/-945.911 χ^2/NDF: 21.2/16

Left Out: -2171.811+/-461.649 χ^2/NDF:55.5/24

Right Out: 2062.453+/-884.041 χ^2/NDF: 17.1/20

Left In: 313.745+/-474.086 χ^2/NDF:23.7/22

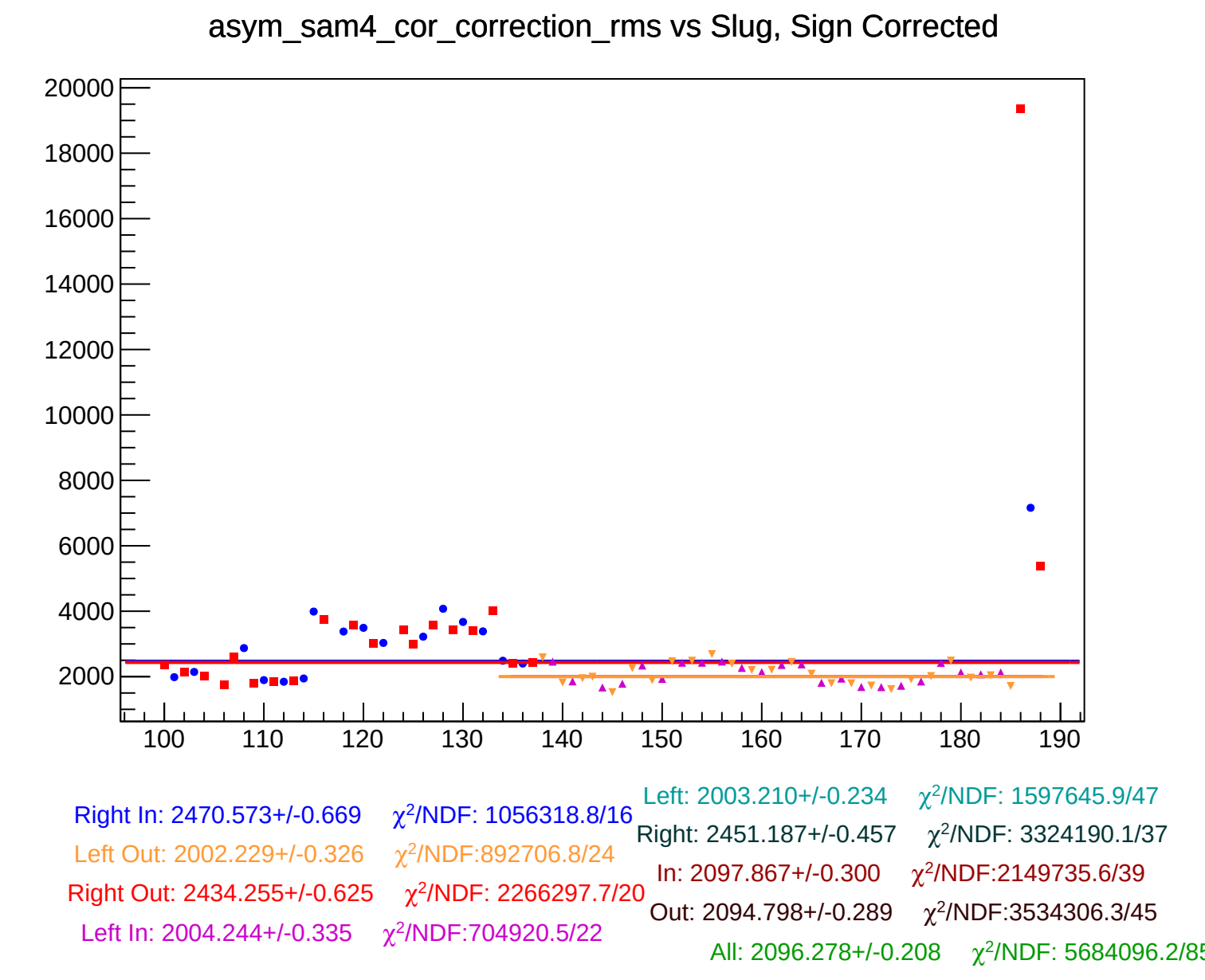
Left: -962.064+/-330.745 χ^2/NDF: 93.3/47

Right: 868.825+/-645.877 χ^2/NDF: 42.2/37

In: 150.830+/-423.833 χ^2/NDF:45.4/39

Out: -1264.550+/-409.213 χ^2/NDF:90.7/45

All: -581.692+/-294.390 χ^2/NDF: 141.9/85


asym_sam4_cor_correction_rms vs Slug, Sign Corrected
20000
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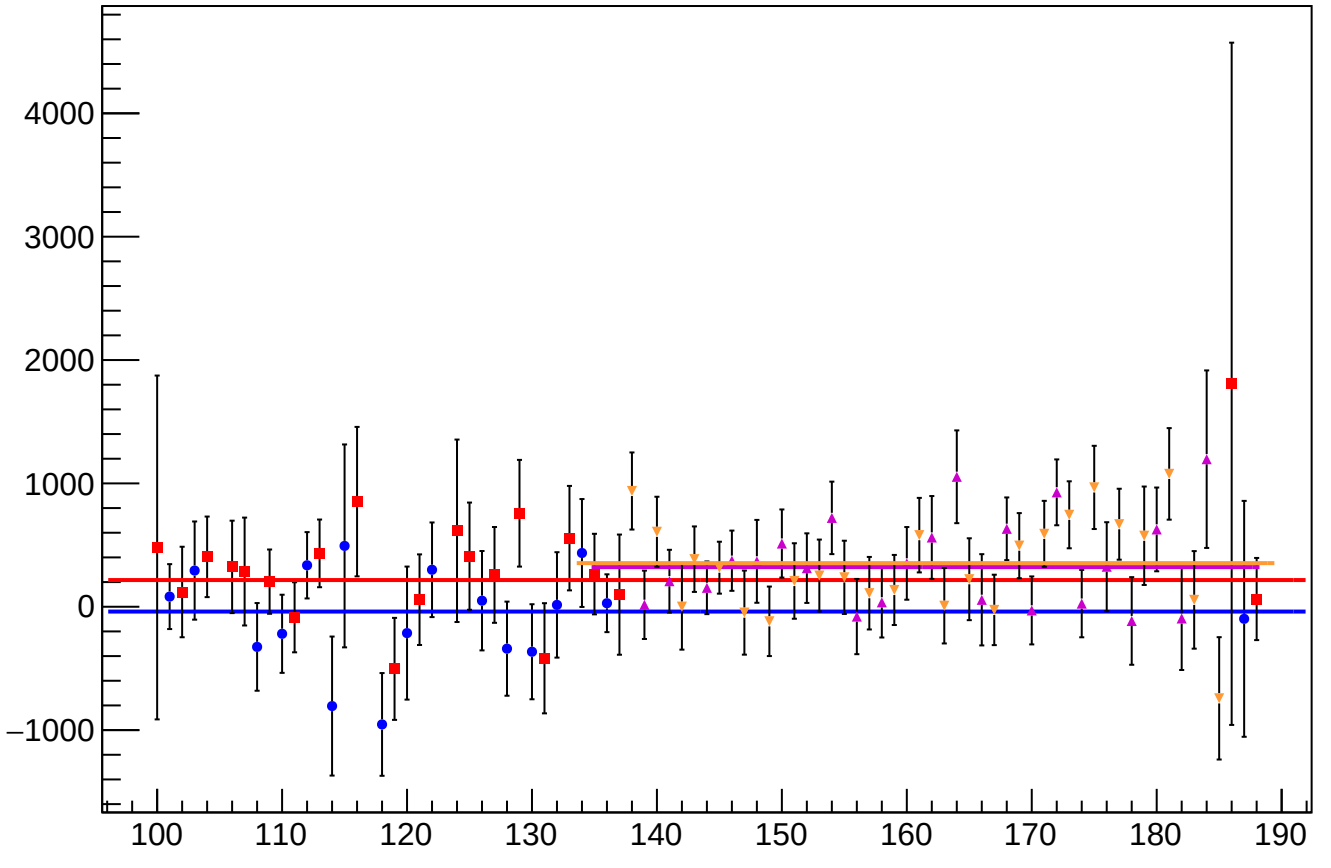
170
180
190
Right In: 2470.573+/-0.669 χ²/NDF: 1056318.8/16
Left Out: 2002.229+/-0.326 χ²/NDF:892706.8/24
Right Out: 2434.255+/-0.625 χ²/NDF: 2266297.7/20
Left In: 2004.244+/-0.335 χ²/NDF:704920.5/22
Left: 2003.210+/-0.234 χ²/NDF: 1597645.9/47
Right: 2451.187+/-0.457 χ²/NDF: 3324190.1/37
In: 2097.867+/-0.300 χ²/NDF:2149735.6/39
Out: 2094.798+/-0.289 χ²/NDF:3534306.3/45
All: 2096.278+/-0.208 χ²/NDF: 5684096.2/85



Right In: -39.049+/-90.214 χ^2/NDF: 14.5/16

Left Out: 353.640+/-60.149 χ^2/NDF:32.3/24

Right Out: 216.404+/-84.969 χ^2/NDF: 12.0/20

Left In: 321.514+/-62.113 χ^2/NDF:26.2/22

Left: 338.093+/-43.209 χ^2/NDF: 58.7/47

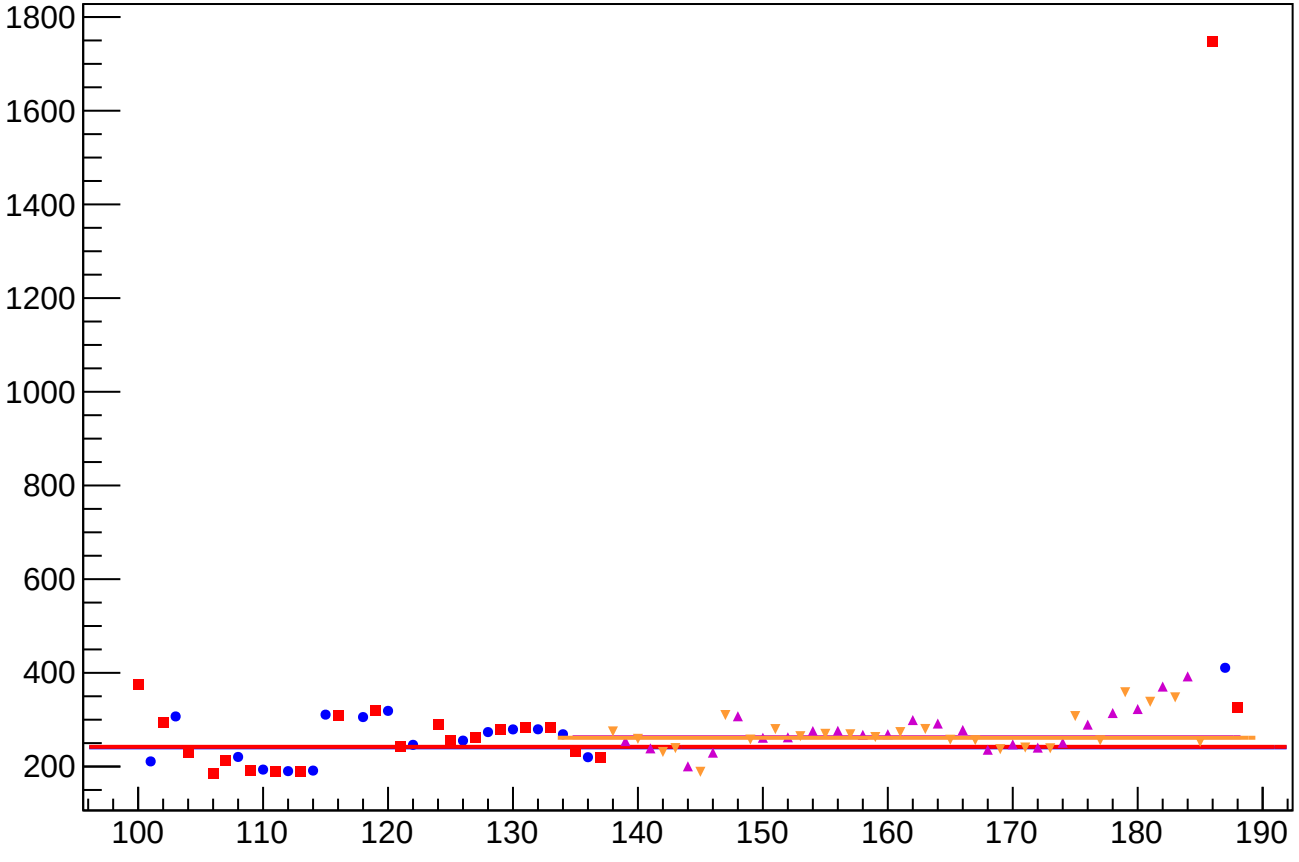
Right: 96.320+/-61.853 χ^2/NDF: 30.7/37

In: 205.560+/-51.160 χ^2/NDF:51.5/39

Out: 307.827+/-49.093 χ^2/NDF:46.0/45

All: 258.801+/-35.422 χ^2/NDF: 99.7/85

eigen_cor_asym_sam4_rms vs Slug, Sign Corrected



Right In: 240.974+/-0.064 χ^2/NDF: 464600.8/16

Left Out: 261.470+/-0.043 χ^2/NDF:715467.9/24

Right Out: 242.081+/-0.060 χ^2/NDF: 1217954.8/20

Left In: 262.616+/-0.044 χ^2/NDF:670646.4/22

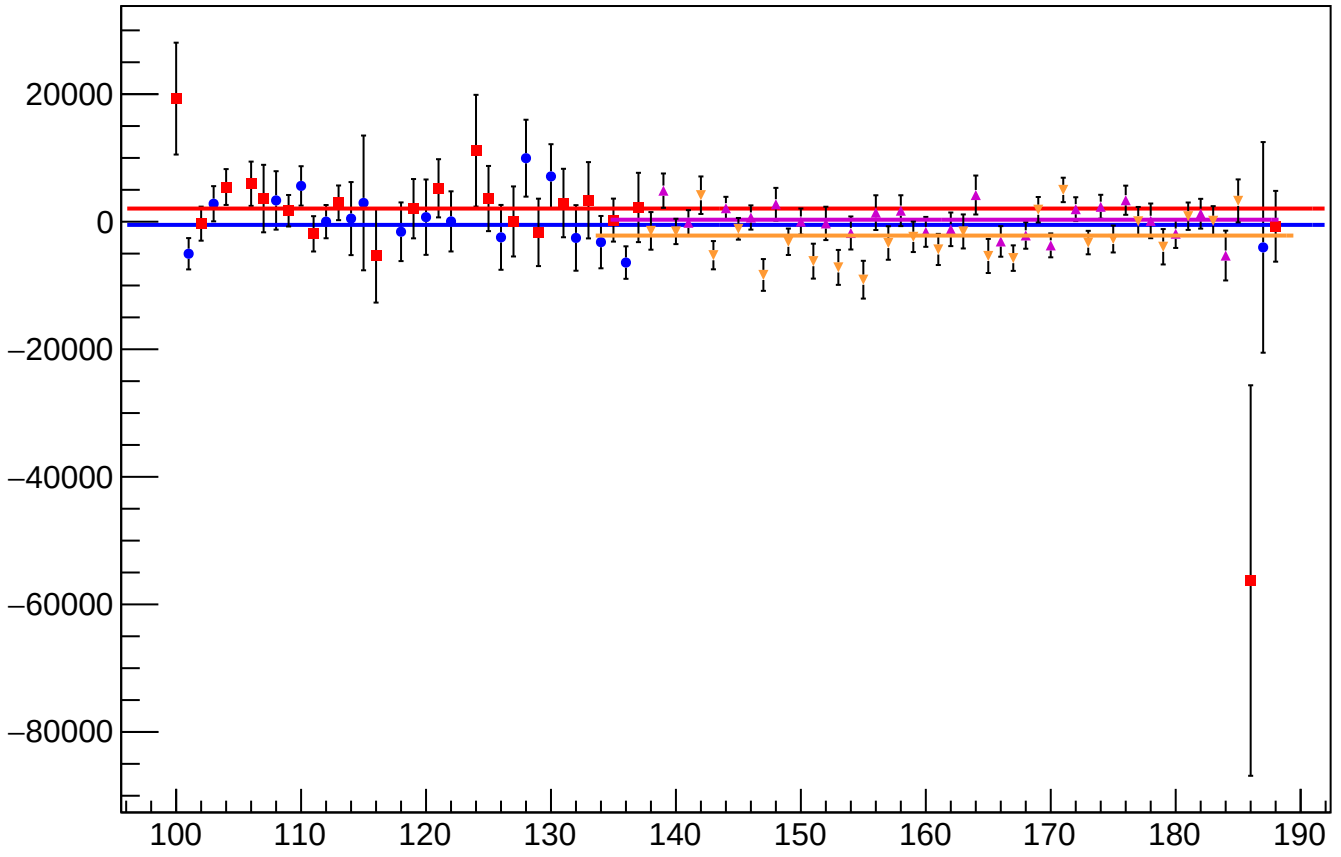
Left: 262.024+/-0.031 χ^2/NDF: 1386465.9/47

Right: 241.561+/-0.044 χ^2/NDF: 1682715.2/37

In: 255.656+/-0.036 χ^2/NDF:1213331.4/39

Out: 254.997+/-0.035 χ^2/NDF:2002795.4/45

All: 255.313+/-0.025 χ^2/NDF: 3216299.6/85



Right In: -497.724+/-945.911 χ^2/NDF: 21.2/16

Left Out: -2171.811+/-461.649 χ^2/NDF:55.5/24

Right Out: 2062.453+/-884.041 χ^2/NDF: 17.1/20

Left In: 313.745+/-474.086 χ^2/NDF:23.7/22

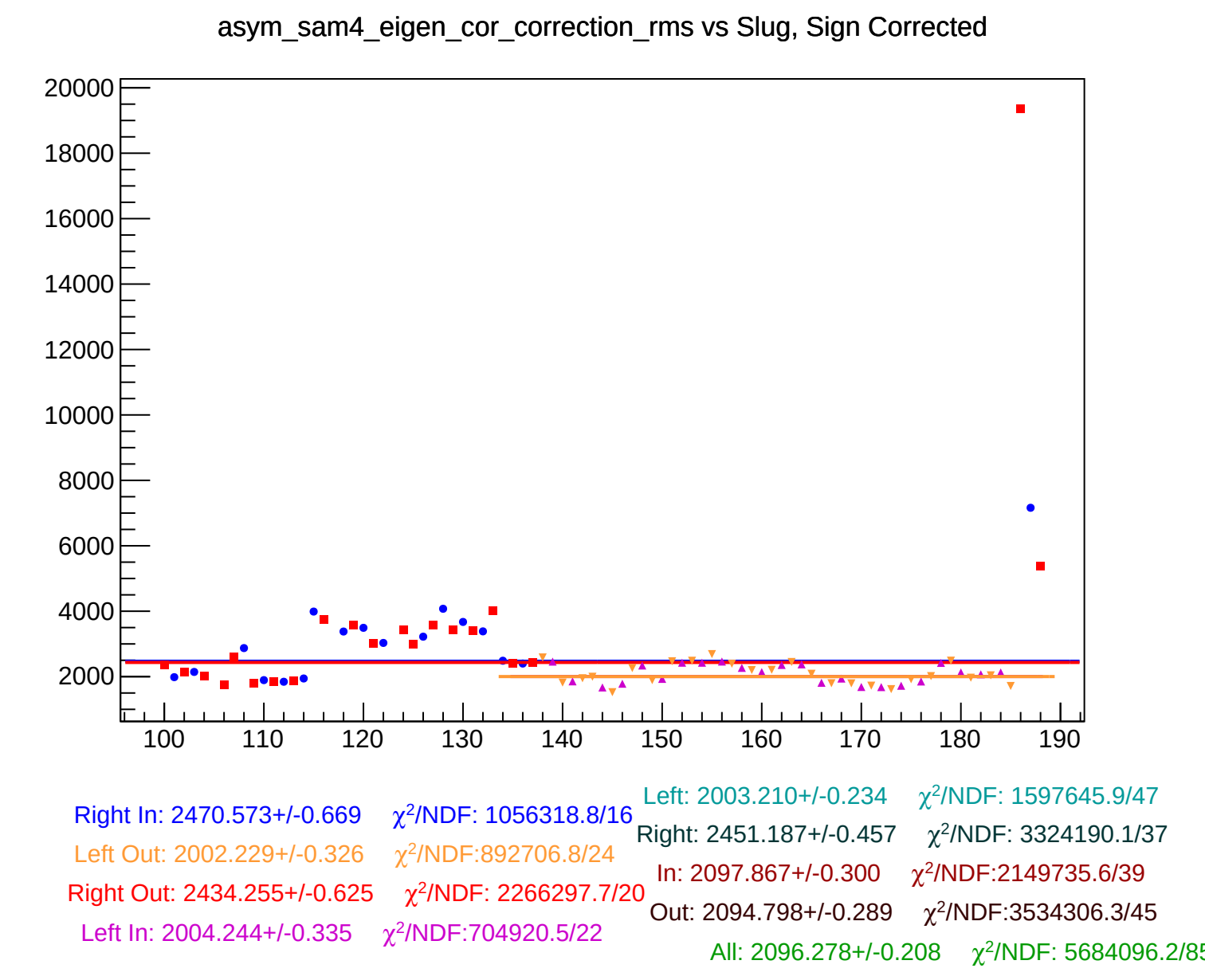
Left: -962.064+/-330.745 χ^2/NDF: 93.3/47

Right: 868.825+/-645.877 χ^2/NDF: 42.2/37

In: 150.830+/-423.833 χ^2/NDF:45.4/39

Out: -1264.550+/-409.213 χ^2/NDF:90.7/45

All: -581.692+/-294.390 χ^2/NDF: 141.9/85


asym_sam4_eigen_cor_correction_rms vs Slug, Sign Corrected
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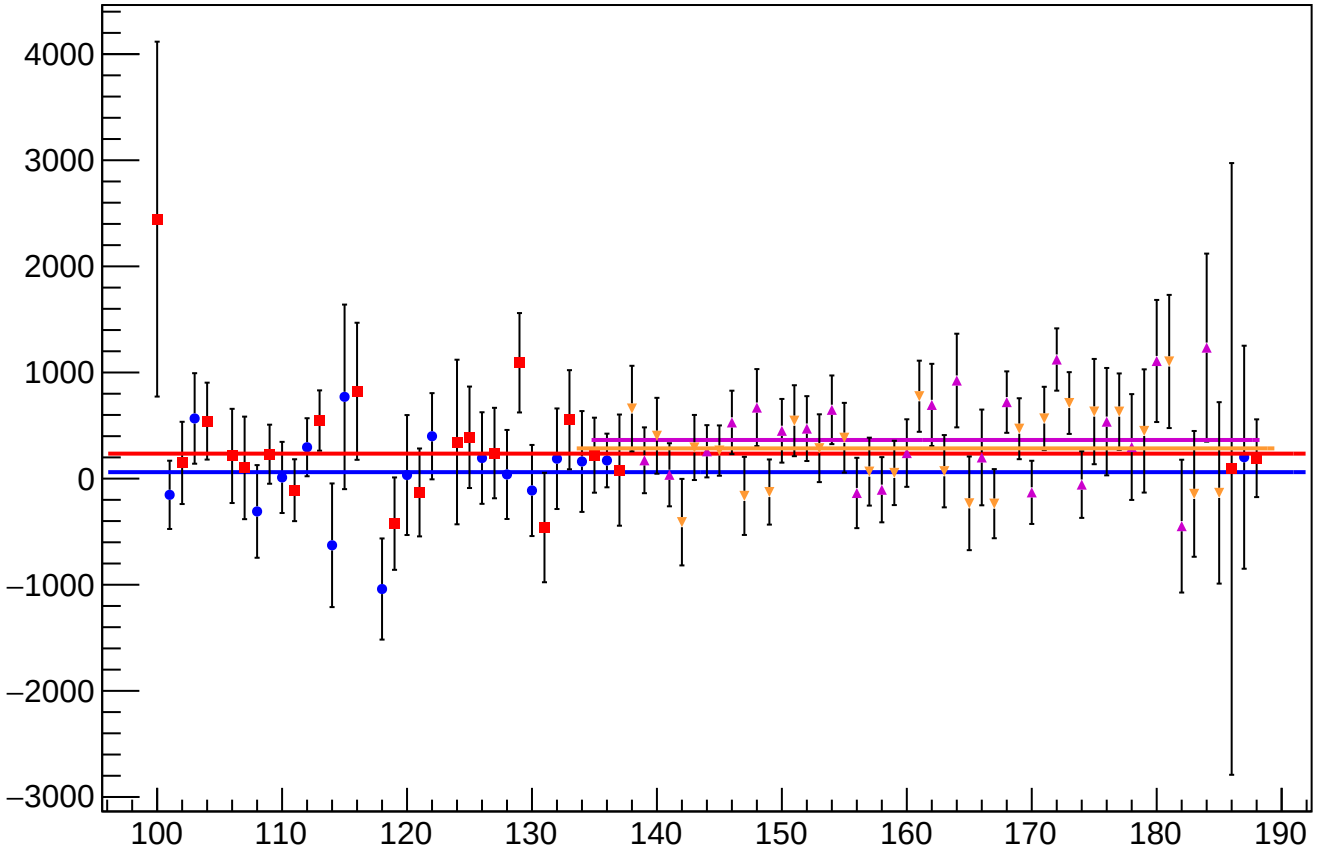
Right In: 2470.573+/-0.669 χ²/NDF: 1056318.8/16
Left Out: 2002.229+/-0.326 χ²/NDF:892706.8/24
Right Out: 2434.255+/-0.625 χ²/NDF: 2266297.7/20
Left In: 2004.244+/-0.335 χ²/NDF:704920.5/22
Left: 2003.210+/-0.234 χ²/NDF: 1597645.9/47
Right: 2451.187+/-0.457 χ²/NDF: 3324190.1/37
In: 2097.867+/-0.300 χ²/NDF:2149735.6/39
Out: 2094.798+/-0.289 χ²/NDF:3534306.3/45
All: 2096.278+/-0.208 χ²/NDF: 5684096.2/85

dit_asym_sam4_mean vs Slug, Sign Corrected



Right In: 60.982+/-98.790 χ^2/NDF: 12.0/16

Left Out: 284.913+/-70.036 χ^2/NDF:22.8/24

Right Out: 235.449+/-91.968 χ^2/NDF: 15.0/20

Left In: 364.163+/-71.714 χ^2/NDF:28.2/22

Left: 323.600+/-50.106 χ^2/NDF: 51.7/47

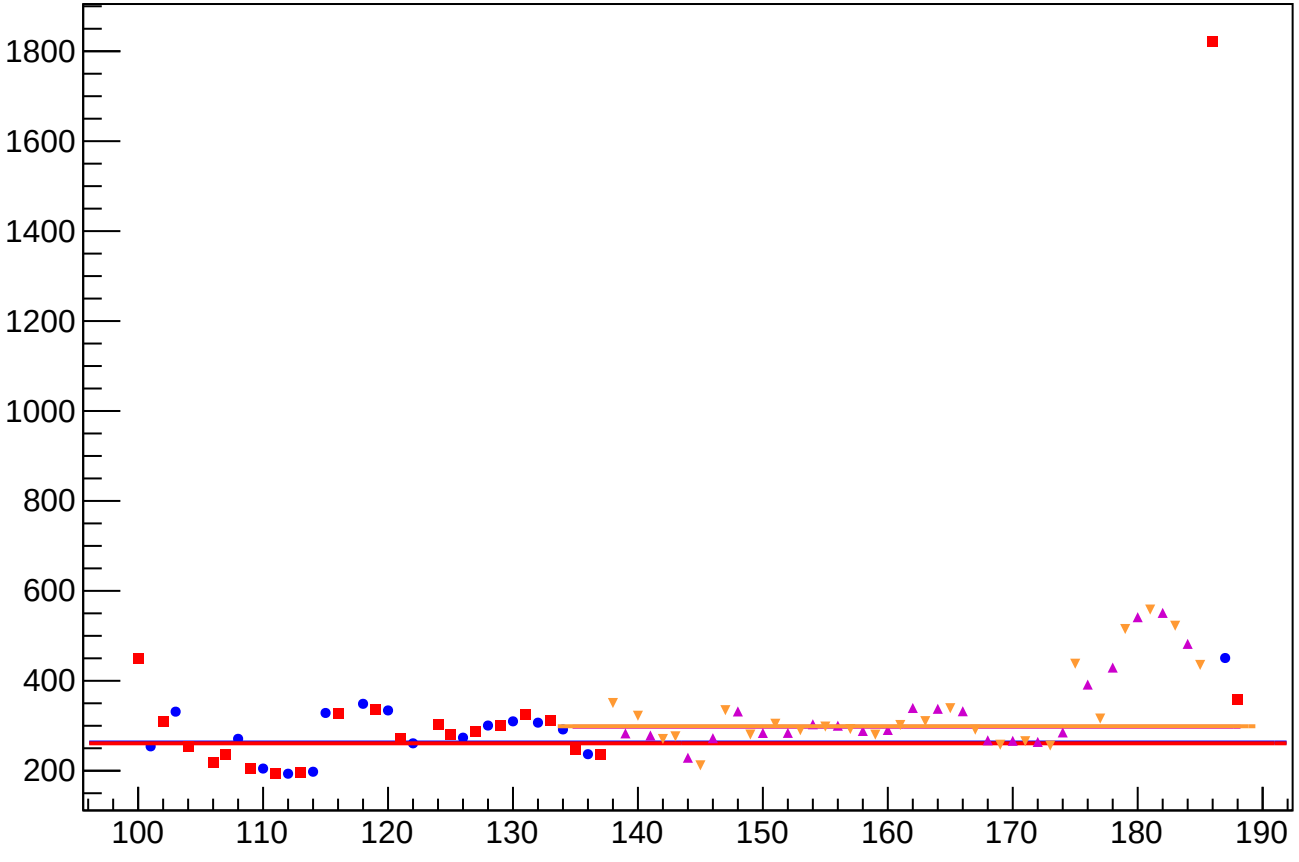
Right: 154.447+/-67.314 χ^2/NDF: 28.6/37

In: 259.534+/-58.035 χ^2/NDF:46.4/39

Out: 266.757+/-55.719 χ^2/NDF:38.0/45

All: 263.292+/-40.193 χ^2/NDF: 84.4/85

dit_asym_sam4_rms vs Slug, Sign Corrected



Right In: 262.765+/-0.070 χ^2/NDF: 527209.6/16

Left Out: 298.938+/-0.050 χ^2/NDF:1613077.3/24

Right Out: 261.016+/-0.065 χ^2/NDF: 1278728.2/20

Left In: 297.885+/-0.051 χ^2/NDF:1319062.0/22

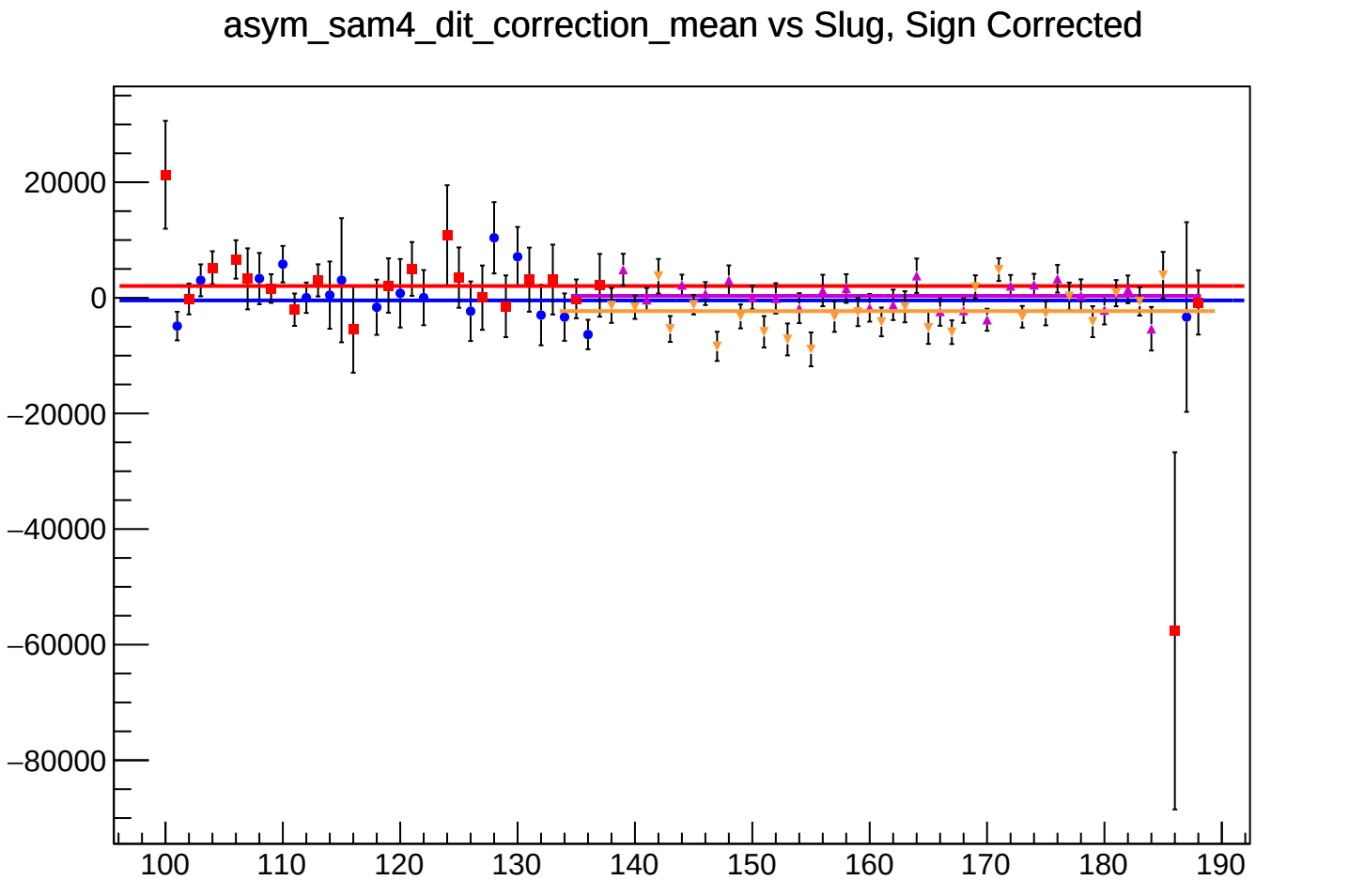
Left: 298.424+/-0.035 χ^2/NDF: 2932359.8/47

Right: 261.828+/-0.048 χ^2/NDF: 1806273.6/37

In: 285.765+/-0.041 χ^2/NDF:2011808.8/39

Out: 285.018+/-0.039 χ^2/NDF:3107037.6/45

All: 285.376+/-0.028 χ^2/NDF: 5119018.7/85



Right In: -446.459+/-953.519 χ^2/NDF: 21.2/16

Left Out: -2290.992+/-470.518 χ^2/NDF:51.7/24

Right Out: 2046.732+/-889.129 χ^2/NDF: 18.0/20

Left In: 342.609+/-483.605 χ^2/NDF:22.8/22

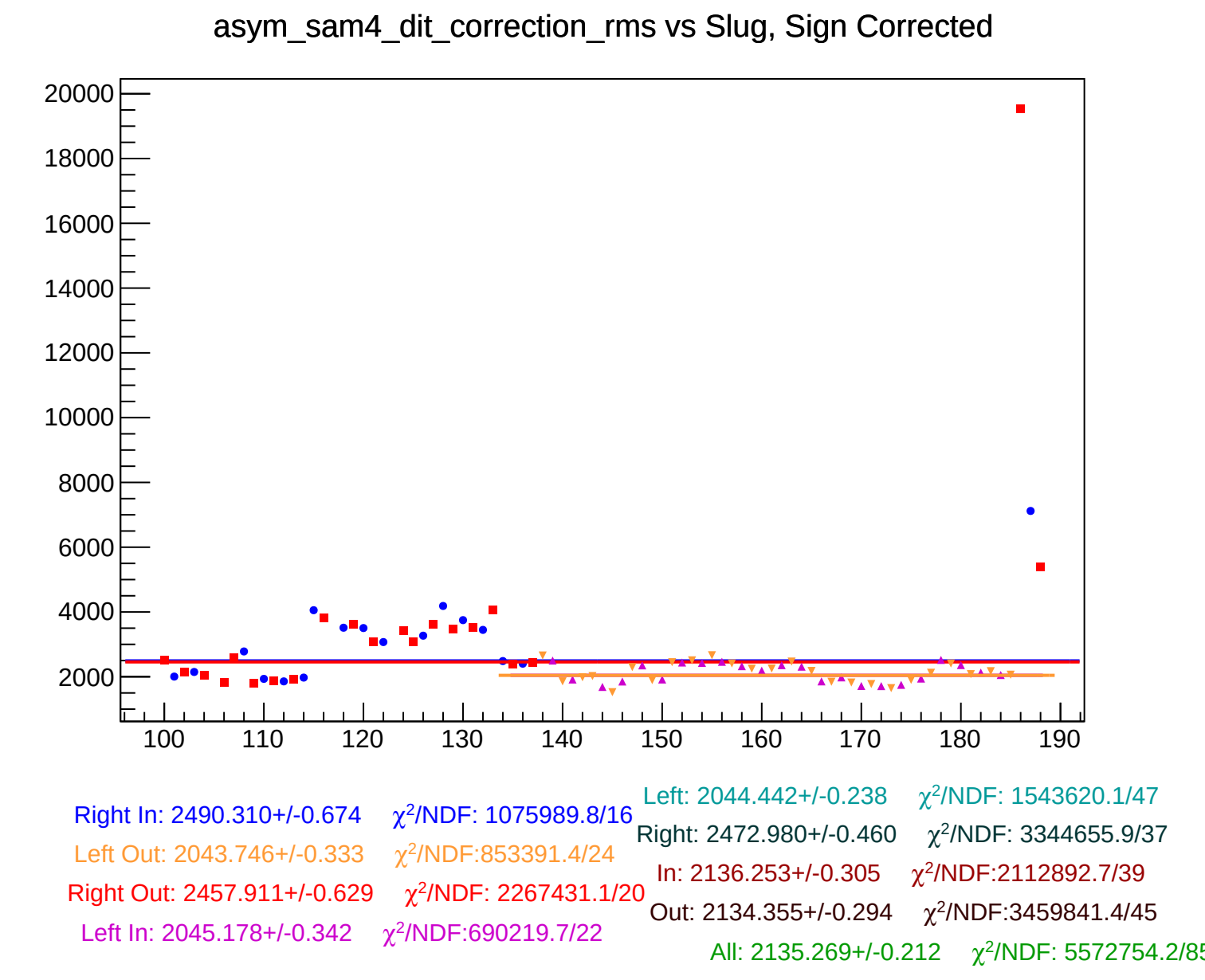
Left: -1010.309+/-337.238 χ^2/NDF: 89.7/47

Right: 887.153+/-650.282 χ^2/NDF: 42.9/37

In: 181.165+/-431.304 χ^2/NDF:44.6/39

Out: -1342.006+/-415.876 χ^2/NDF:88.3/45

All: -608.149+/-299.374 χ^2/NDF: 139.3/85


asym_sam4_dit_correction_rms vs Slug, Sign Corrected
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170
180
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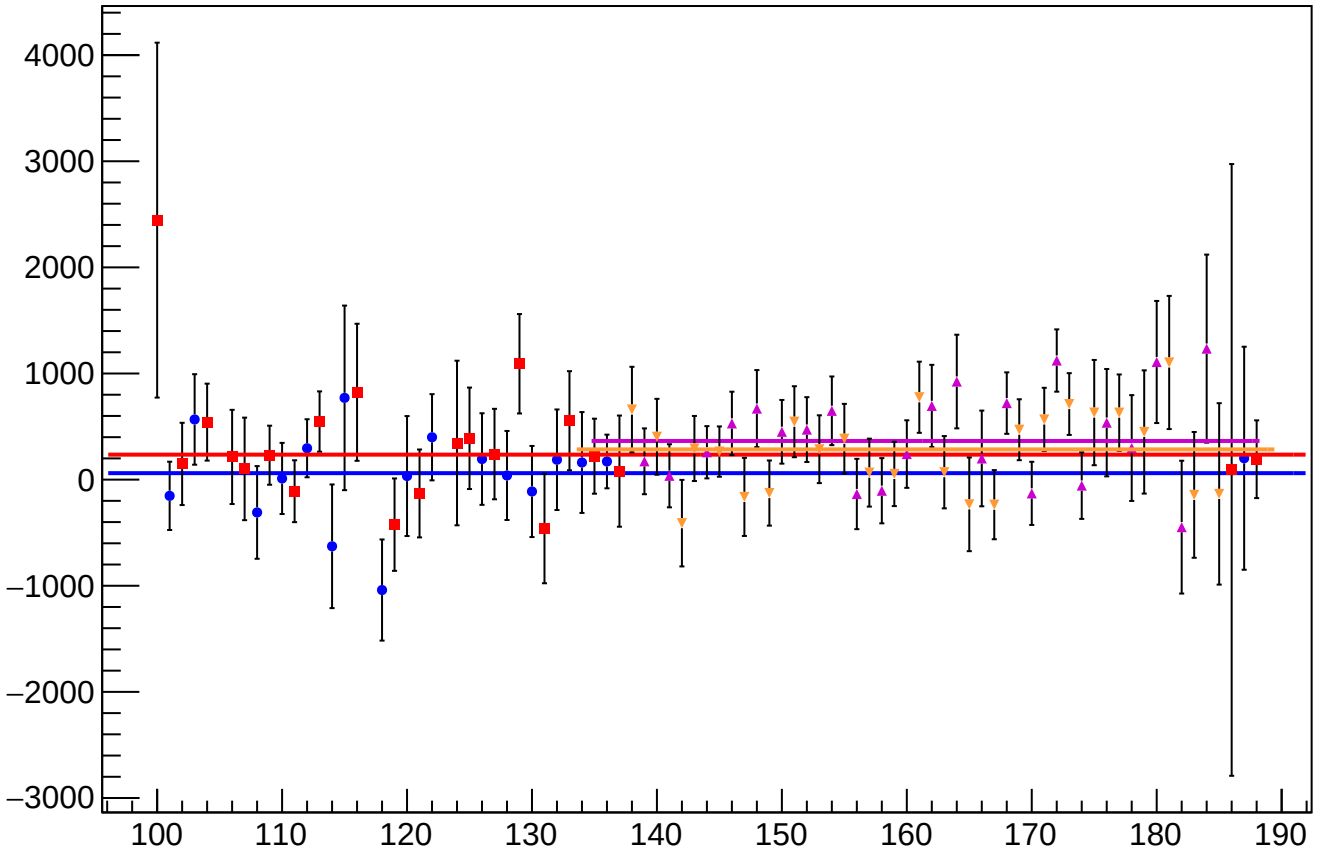
Right In: 2490.310+/-0.674 χ²/NDF: 1075989.8/16
Left Out: 2043.746+/-0.333 χ²/NDF:853391.4/24
Right Out: 2457.911+/-0.629 χ²/NDF: 2267431.1/20
Left In: 2045.178+/-0.342 χ²/NDF:690219.7/22
Left: 2044.442+/-0.238 χ²/NDF: 1543620.1/47
Right: 2472.980+/-0.460 χ²/NDF: 3344655.9/37
In: 2136.253+/-0.305 χ²/NDF:2112892.7/39
Out: 2134.355+/-0.294 χ²/NDF:3459841.4/45
All: 2135.269+/-0.212 χ²/NDF: 5572754.2/85



Right In: 60.987+/-98.790 χ^2/NDF: 12.0/16

Left Out: 284.918+/-70.036 χ^2/NDF:22.8/24

Right Out: 235.450+/-91.968 χ^2/NDF: 15.0/20

Left In: 364.164+/-71.714 χ^2/NDF:28.2/22

Left: 323.603+/-50.106 χ^2/NDF: 51.7/47

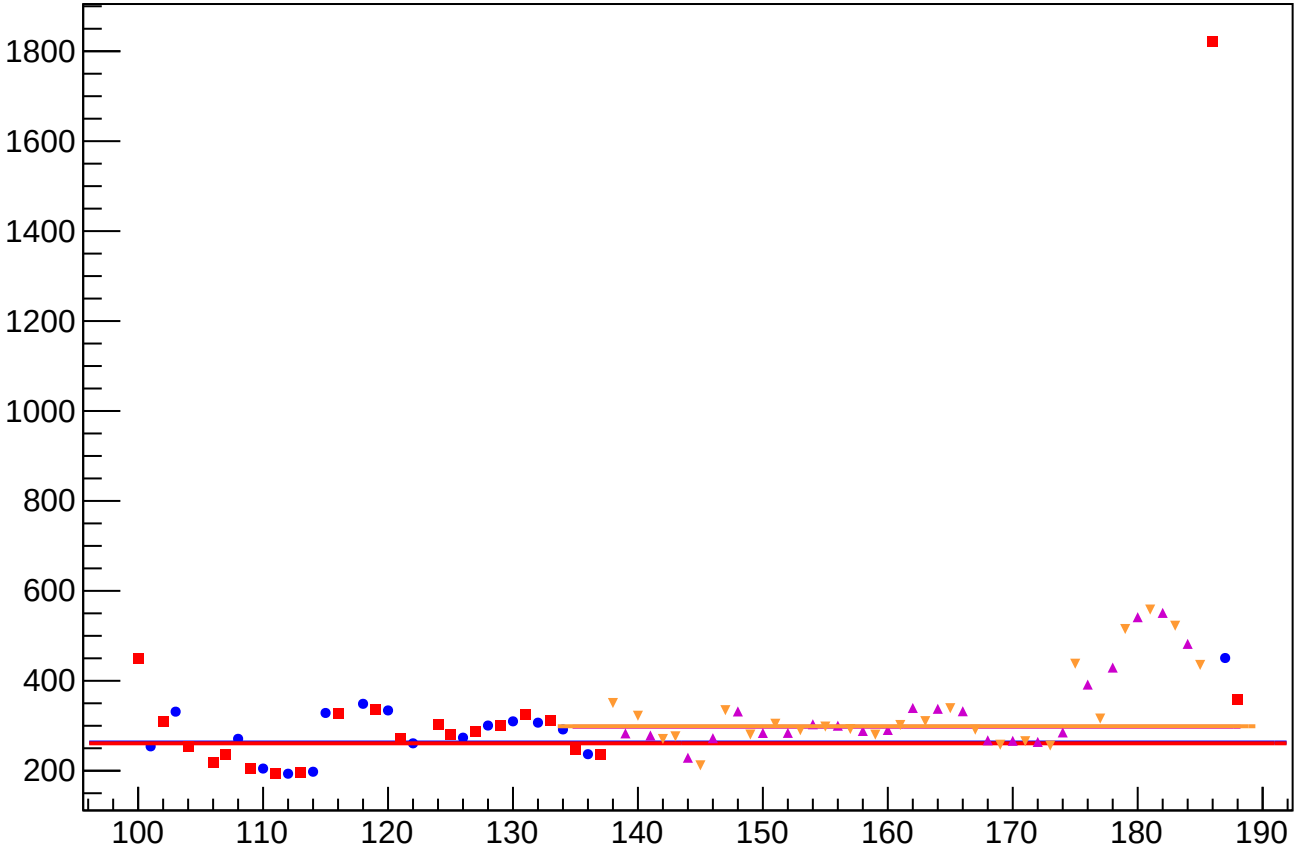
Right: 154.450+/-67.314 χ^2/NDF: 28.6/37

In: 259.537+/-58.035 χ^2/NDF:46.4/39

Out: 266.760+/-55.719 χ^2/NDF:38.0/45

All: 263.295+/-40.193 χ^2/NDF: 84.4/85

eigen_dit_asym_sam4_rms vs Slug, Sign Corrected



Right In: 262.765+/-0.070 χ^2/NDF: 527212.9/16

Left Out: 298.938+/-0.050 χ^2/NDF:1613074.5/24

Right Out: 261.016+/-0.065 χ^2/NDF: 1278732.1/20

Left In: 297.885+/-0.051 χ^2/NDF:1319043.7/22

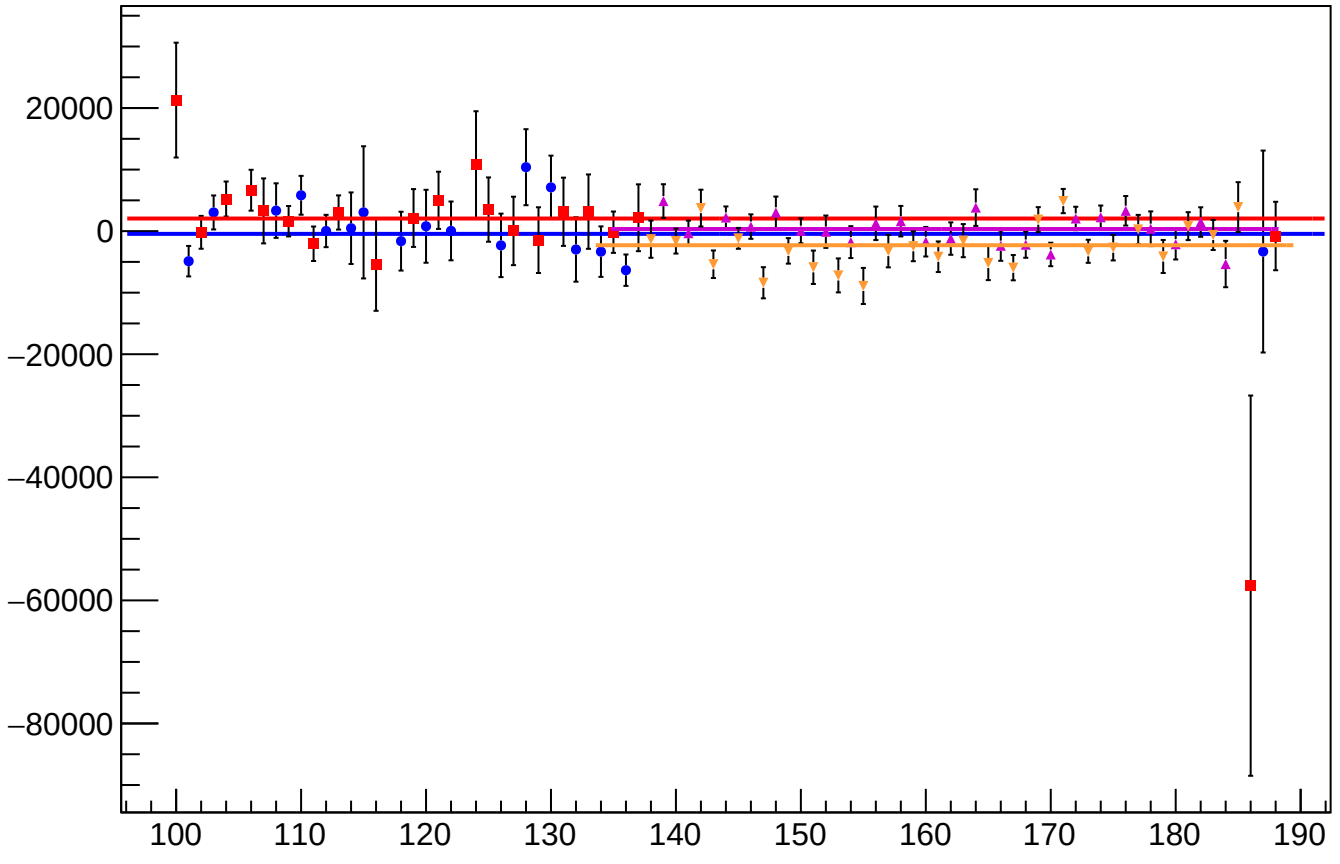
Left: 298.424+/-0.035 χ^2/NDF: 2932338.7/47

Right: 261.828+/-0.048 χ^2/NDF: 1806280.8/37

In: 285.765+/-0.041 χ^2/NDF:2011795.5/39

Out: 285.018+/-0.039 χ^2/NDF:3107041.9/45

All: 285.377+/-0.028 χ^2/NDF: 5119009.8/85



Right In: -446.457+/-953.519 χ^2/NDF: 21.2/16

Left Out: -2290.986+/-470.517 χ^2/NDF:51.7/24

Right Out: 2046.730+/-889.129 χ^2/NDF: 18.0/20

Left In: 342.606+/-483.604 χ^2/NDF:22.8/22

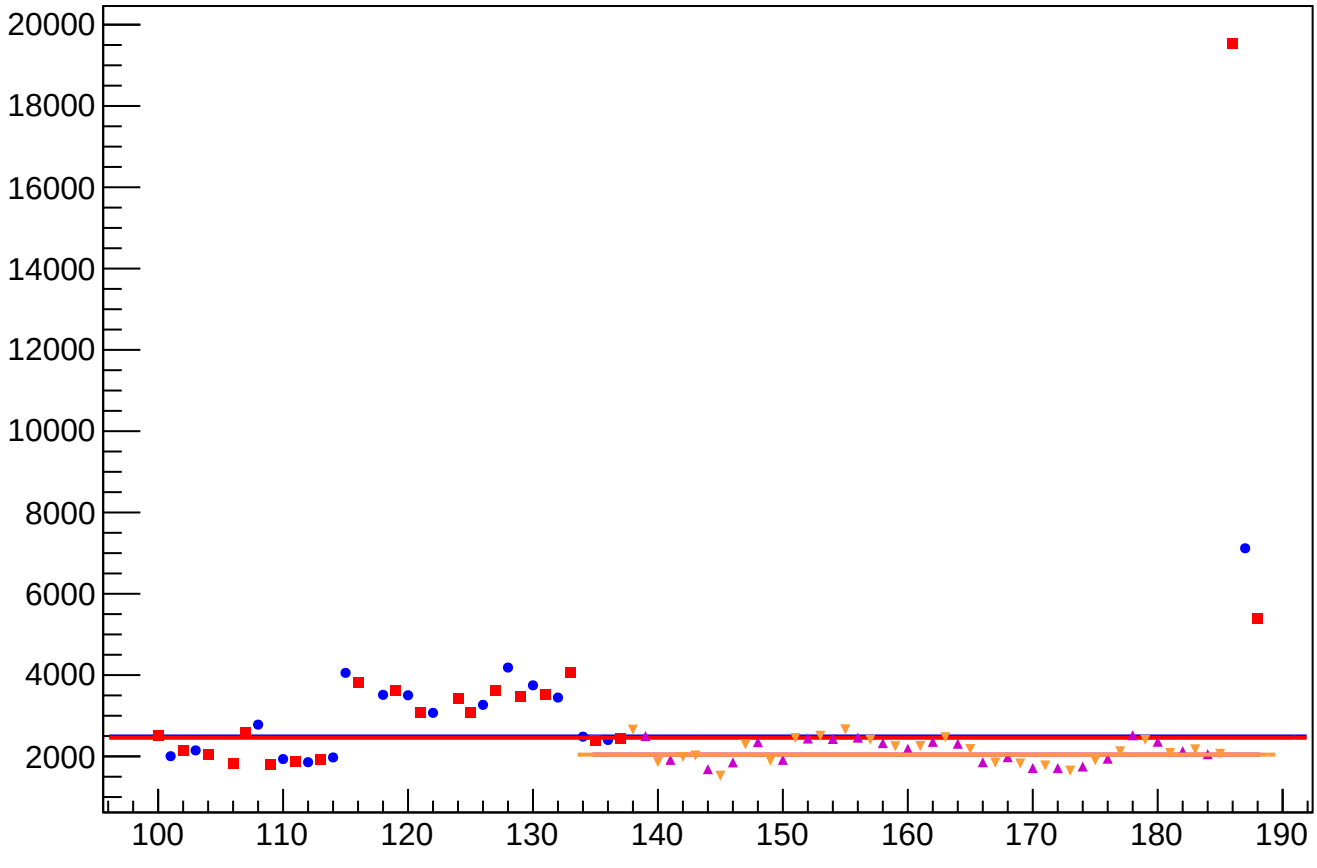
Left: -1010.308+/-337.238 χ^2/NDF: 89.7/47

Right: 887.152+/-650.282 χ^2/NDF: 42.9/37

In: 181.163+/-431.303 χ^2/NDF:44.6/39

Out: -1342.003+/-415.875 χ^2/NDF:88.3/45

All: -608.149+/-299.374 χ^2/NDF: 139.3/85



Right In: 2490.308+/-0.674 χ^2/NDF: 1075992.8/16

Left Out: 2043.742+/-0.333 χ^2/NDF:853393.7/24

Right Out: 2457.909+/-0.629 χ^2/NDF: 2267431.2/20

Left In: 2045.175+/-0.342 χ^2/NDF:690218.2/22

Left: 2044.439+/-0.238 χ^2/NDF: 1543620.9/47

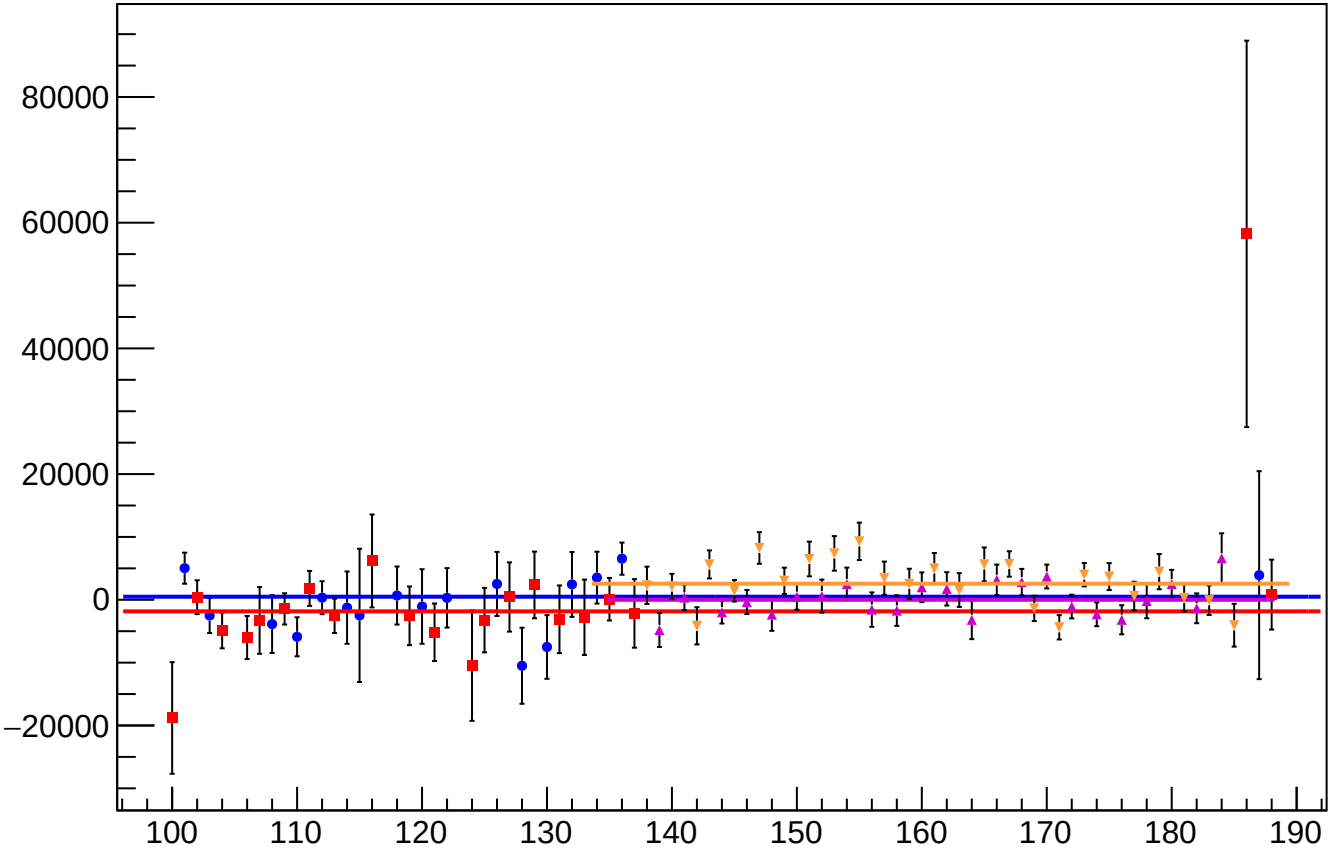
Right: 2472.978+/-0.460 χ^2/NDF: 3344659.0/37

In: 2136.250+/-0.305 χ^2/NDF:2112896.7/39

Out: 2134.352+/-0.294 χ^2/NDF:3459846.7/45

All: 2135.266+/-0.212 χ^2/NDF: 5572763.5/85

asym_sam4_mean vs Slug, Sign Corrected



Right In: 488.648+/-951.176 χ^2/NDF: 22.2/16

Left Out: 2559.048+/-465.944 χ^2/NDF:52.7/24

Right Out: -1838.325+/-887.778 χ^2/NDF: 16.9/20

Left In: 3.474+/-478.514 χ^2/NDF:24.7/22

Left: 1315.267+/-333.828 χ^2/NDF: 92.0/47

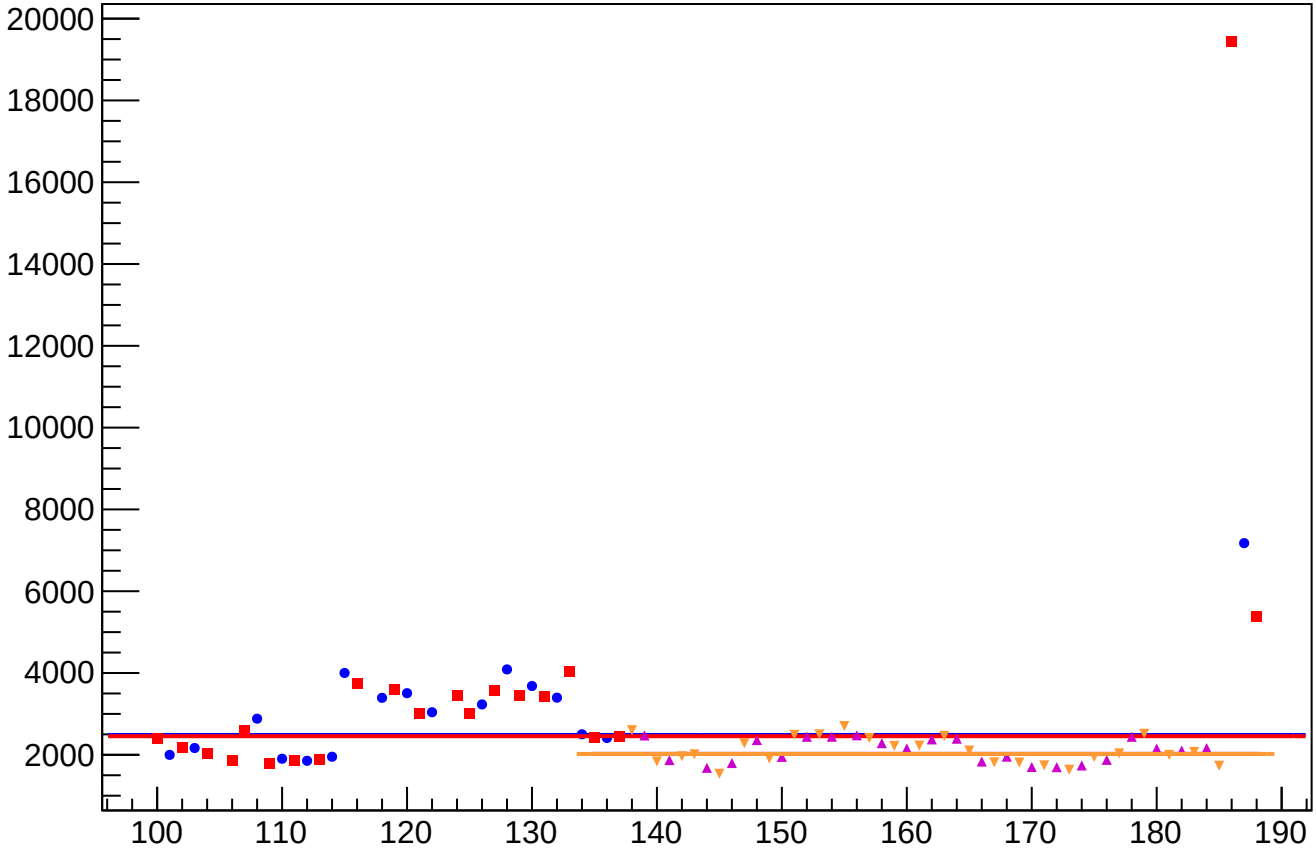
Right: -754.966+/-649.010 χ^2/NDF: 42.3/37

In: 101.464+/-427.469 χ^2/NDF:47.0/39

Out: 1609.351+/-412.573 χ^2/NDF:88.8/45

All: 882.137+/-296.859 χ^2/NDF: 142.3/85

asym_sam4_rms vs Slug, Sign Corrected



Right In: 2485.194+/-0.673 χ^2/NDF: 1047459.9/16

Left Out: 2021.266+/-0.329 χ^2/NDF:881370.9/24

Right Out: 2454.522+/-0.628 χ^2/NDF: 2232821.7/20

Left In: 2023.284+/-0.338 χ^2/NDF:696055.4/22

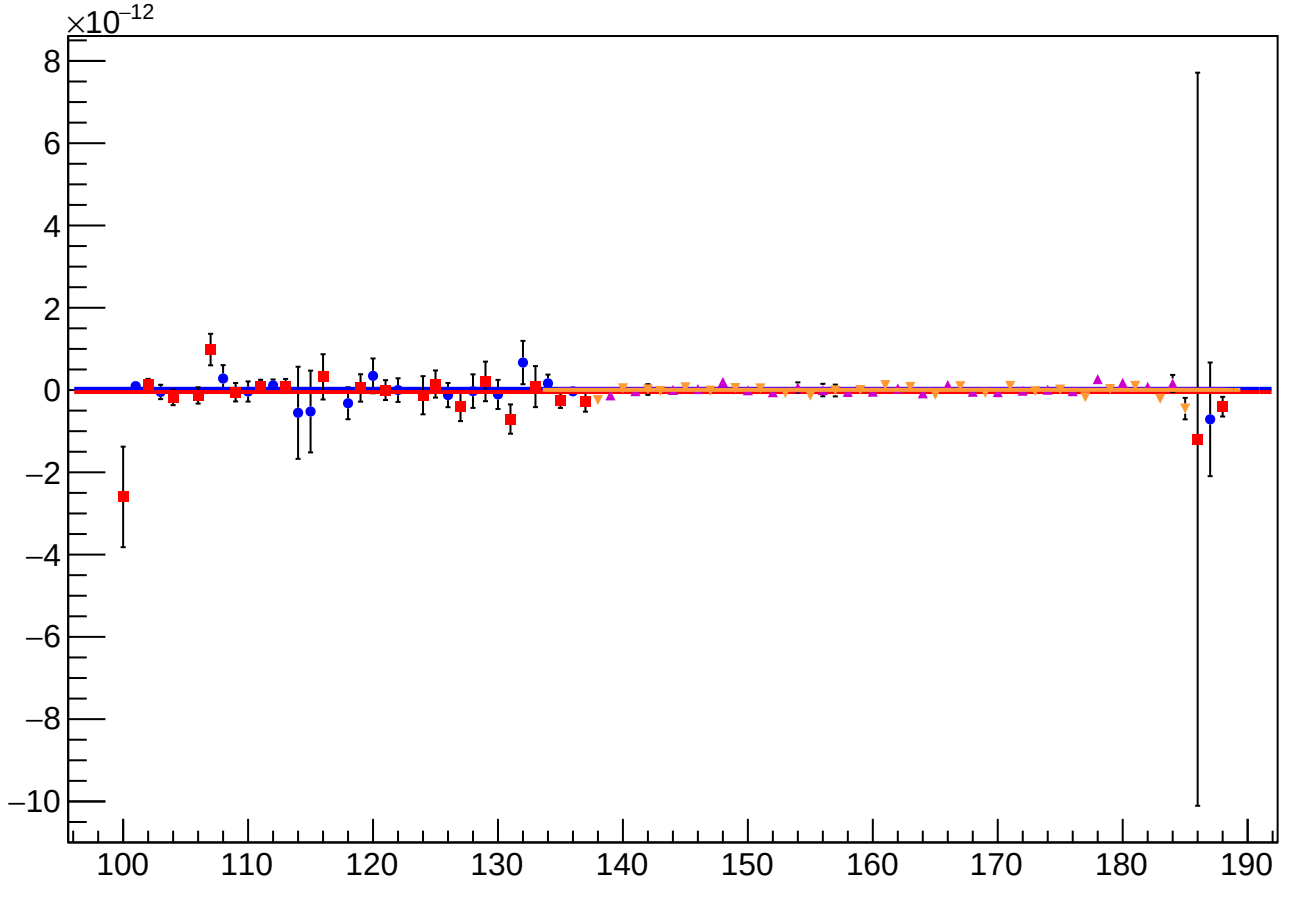
Left: 2022.248+/-0.236 χ^2/NDF: 1577444.6/47

Right: 2468.802+/-0.459 χ^2/NDF: 3281393.0/37

In: 2116.576+/-0.302 χ^2/NDF:2119910.2/39

Out: 2114.836+/-0.292 χ^2/NDF:3487651.7/45

All: 2115.675+/-0.210 χ^2/NDF: 5607579.0/85



Right In: 0.000+/-0.000 χ^2/NDF: 6.4/16

Left Out: 0.000+/-0.000 χ^2/NDF:32.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 25.5/20

Left In: 0.000+/-0.000 χ^2/NDF:20.8/22

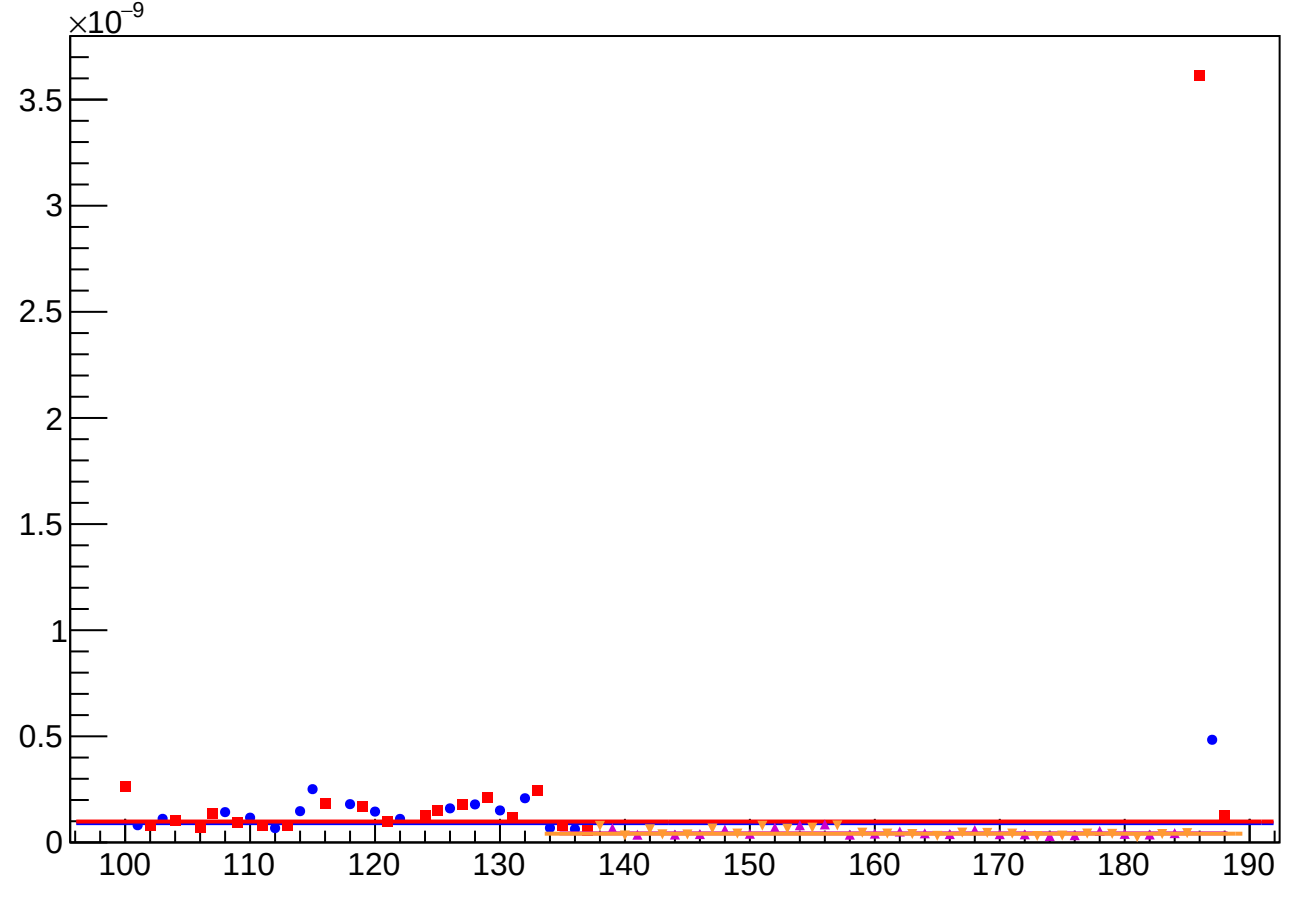
Left: 0.000+/-0.000 χ^2/NDF: 53.0/47

Right: -0.000+/-0.000 χ^2/NDF: 33.0/37

In: 0.000+/-0.000 χ^2/NDF:27.4/39

Out: -0.000+/-0.000 χ^2/NDF:58.5/45

All: 0.000+/-0.000 χ^2/NDF: 86.2/85



Right In: 0.000+/-0.000 χ^2/NDF: 1088582.4/16

Left Out: 0.000+/-0.000 χ^2/NDF:1235677.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 1195241.0/20

Left In: 0.000+/-0.000 χ^2/NDF:931395.8/22

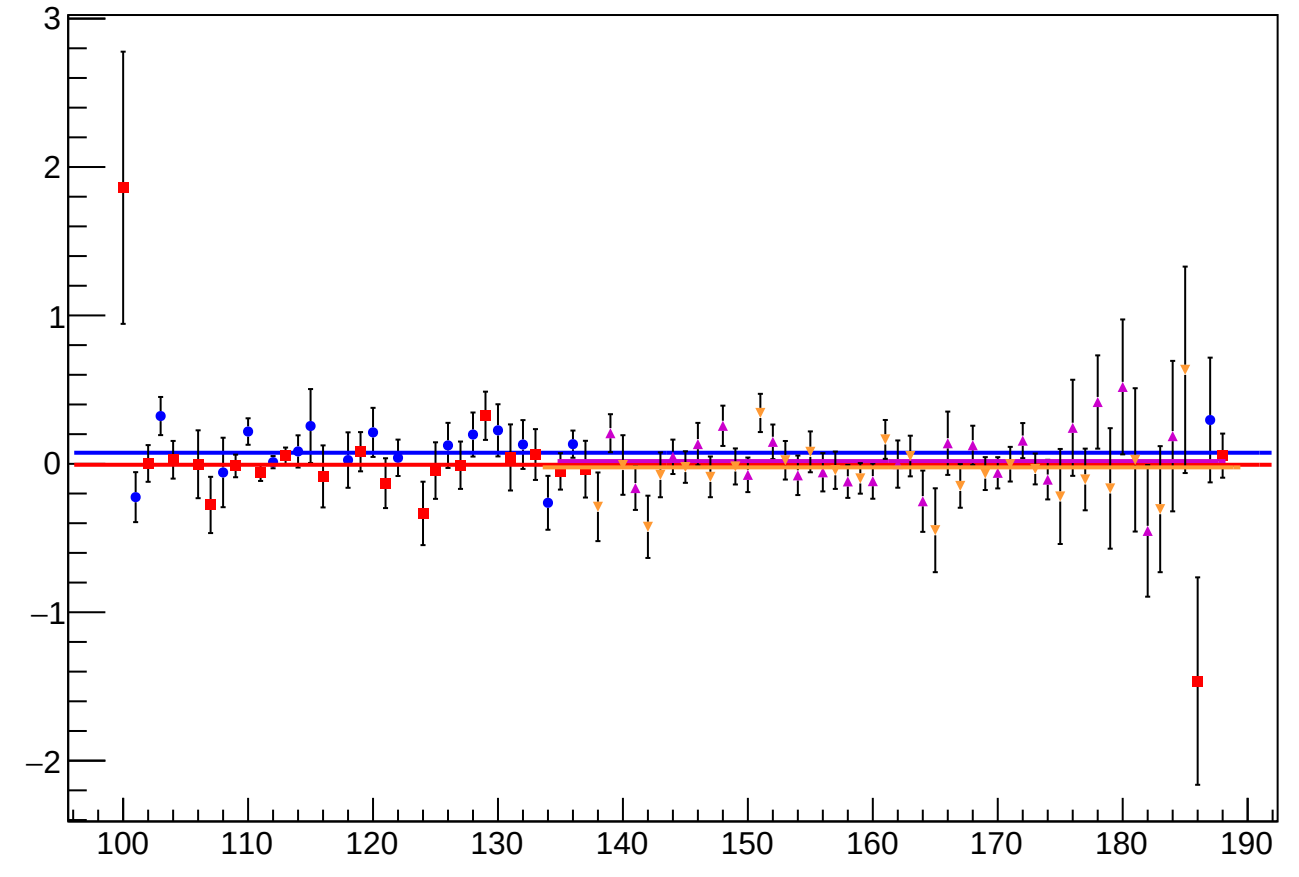
Left: 0.000+/-0.000 χ^2/NDF: 2176066.9/47

Right: 0.000+/-0.000 χ^2/NDF: 2303668.7/37

In: 0.000+/-0.000 χ^2/NDF:3540035.8/39

Out: 0.000+/-0.000 χ^2/NDF:4468459.3/45

All: 0.000+/-0.000 χ^2/NDF: 8019975.2/85



Right In: 0.075+/-0.027 χ^2/NDF: 19.3/16

Left Out: -0.024+/-0.030 χ^2/NDF:22.2/24

Right Out: -0.006+/-0.026 χ^2/NDF: 20.9/20

Left In: 0.019+/-0.030 χ^2/NDF:23.0/22

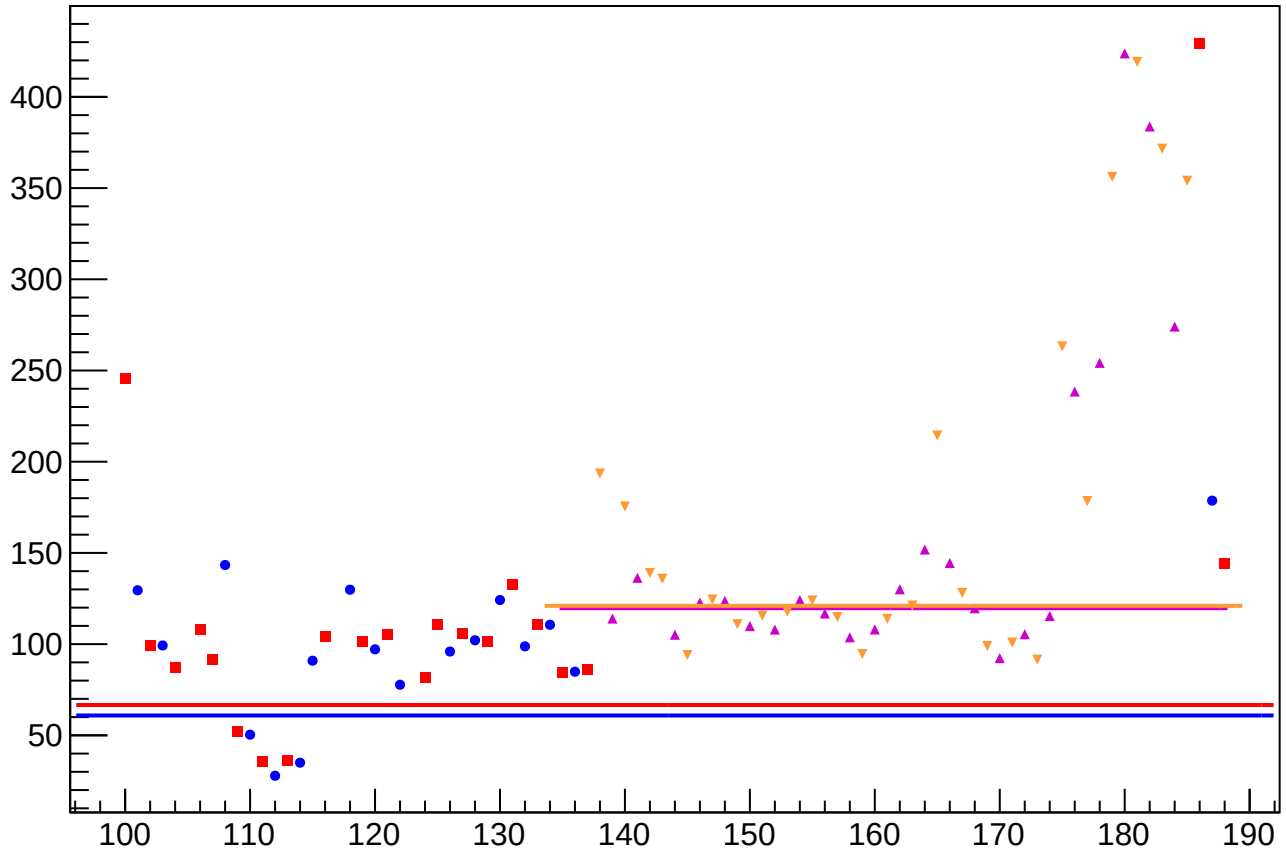
Left: -0.003+/-0.021 χ^2/NDF: 46.2/47

Right: 0.033+/-0.019 χ^2/NDF: 44.8/37

In: 0.050+/-0.020 χ^2/NDF:44.2/39

Out: -0.014+/-0.020 χ^2/NDF:43.3/45

All: 0.017+/-0.014 χ^2/NDF: 92.6/85



Right In: 60.888+/-0.019 χ^2/NDF: 3695887.6/16

Left Out: 120.999+/-0.021 χ^2/NDF:4095266.9/24

Right Out: 66.620+/-0.019 χ^2/NDF: 3765799.3/20

Left In: 119.679+/-0.021 χ^2/NDF:2838257.9/22

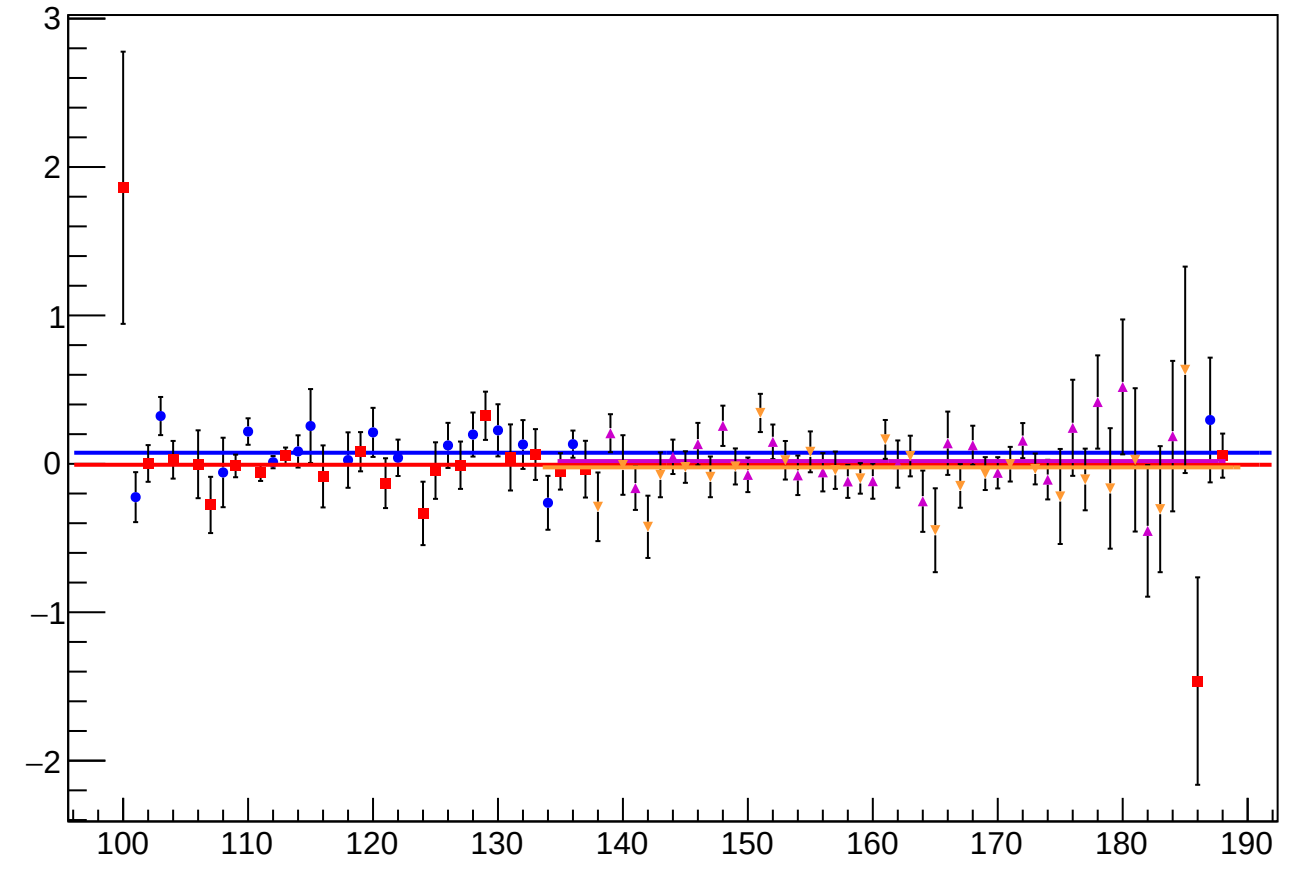
Left: 120.346+/-0.015 χ^2/NDF: 6935453.1/47

Right: 63.815+/-0.013 χ^2/NDF: 7507875.3/37

In: 86.934+/-0.014 χ^2/NDF:10748761.0/39

Out: 90.424+/-0.014 χ^2/NDF:11579830.7/45

All: 88.708+/-0.010 χ^2/NDF: 22359201.8/85



Right In: 0.075+/-0.027 χ^2/NDF: 19.3/16

Left Out: -0.024+/-0.030 χ^2/NDF:22.2/24

Right Out: -0.006+/-0.026 χ^2/NDF: 20.9/20

Left In: 0.019+/-0.030 χ^2/NDF:23.0/22

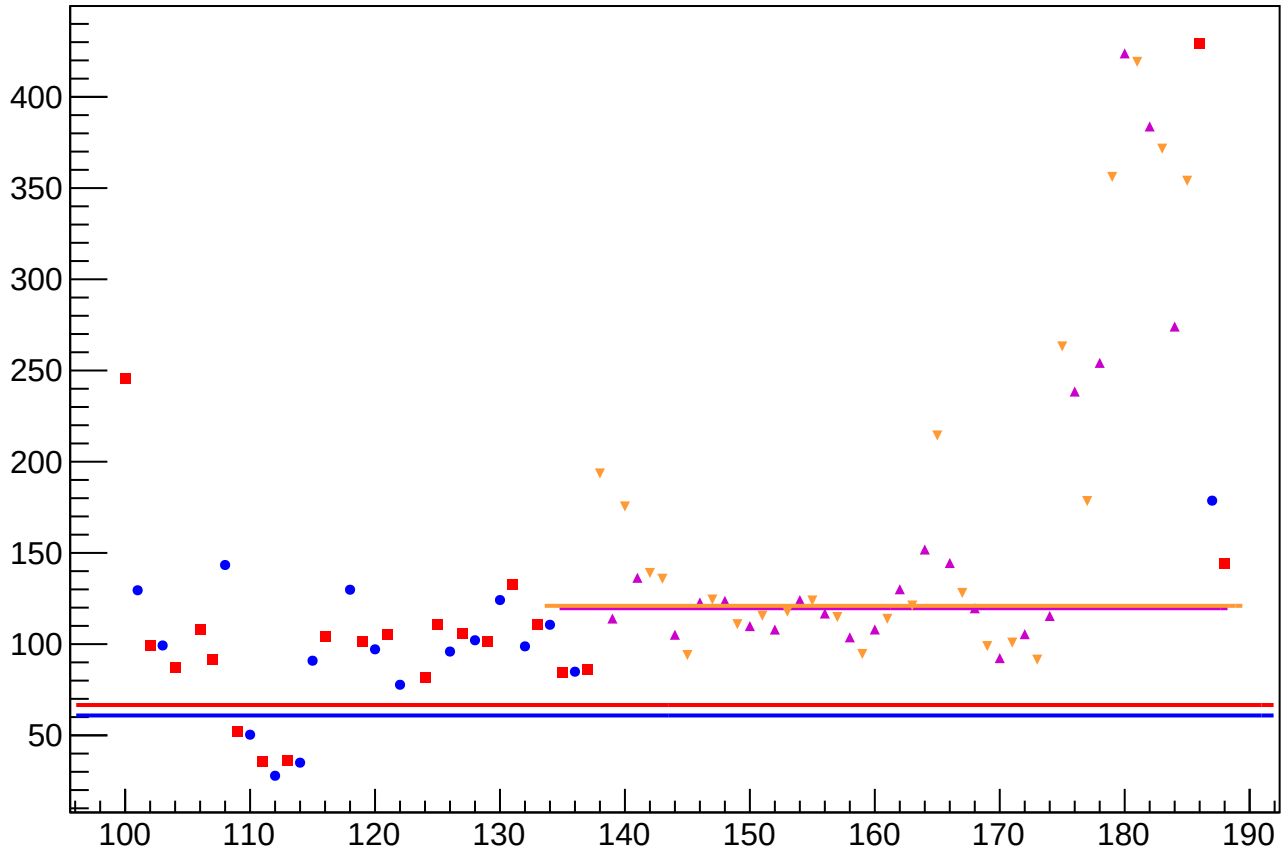
Left: -0.003+/-0.021 χ^2/NDF: 46.2/47

Right: 0.033+/-0.019 χ^2/NDF: 44.8/37

In: 0.050+/-0.020 χ^2/NDF:44.2/39

Out: -0.014+/-0.020 χ^2/NDF:43.3/45

All: 0.017+/-0.014 χ^2/NDF: 92.6/85



Right In: 60.888+/-0.019 χ^2/NDF: 3695887.6/16

Left Out: 120.999+/-0.021 χ^2/NDF:4095266.9/24

Right Out: 66.620+/-0.019 χ^2/NDF: 3765799.3/20

Left In: 119.679+/-0.021 χ^2/NDF:2838257.9/22

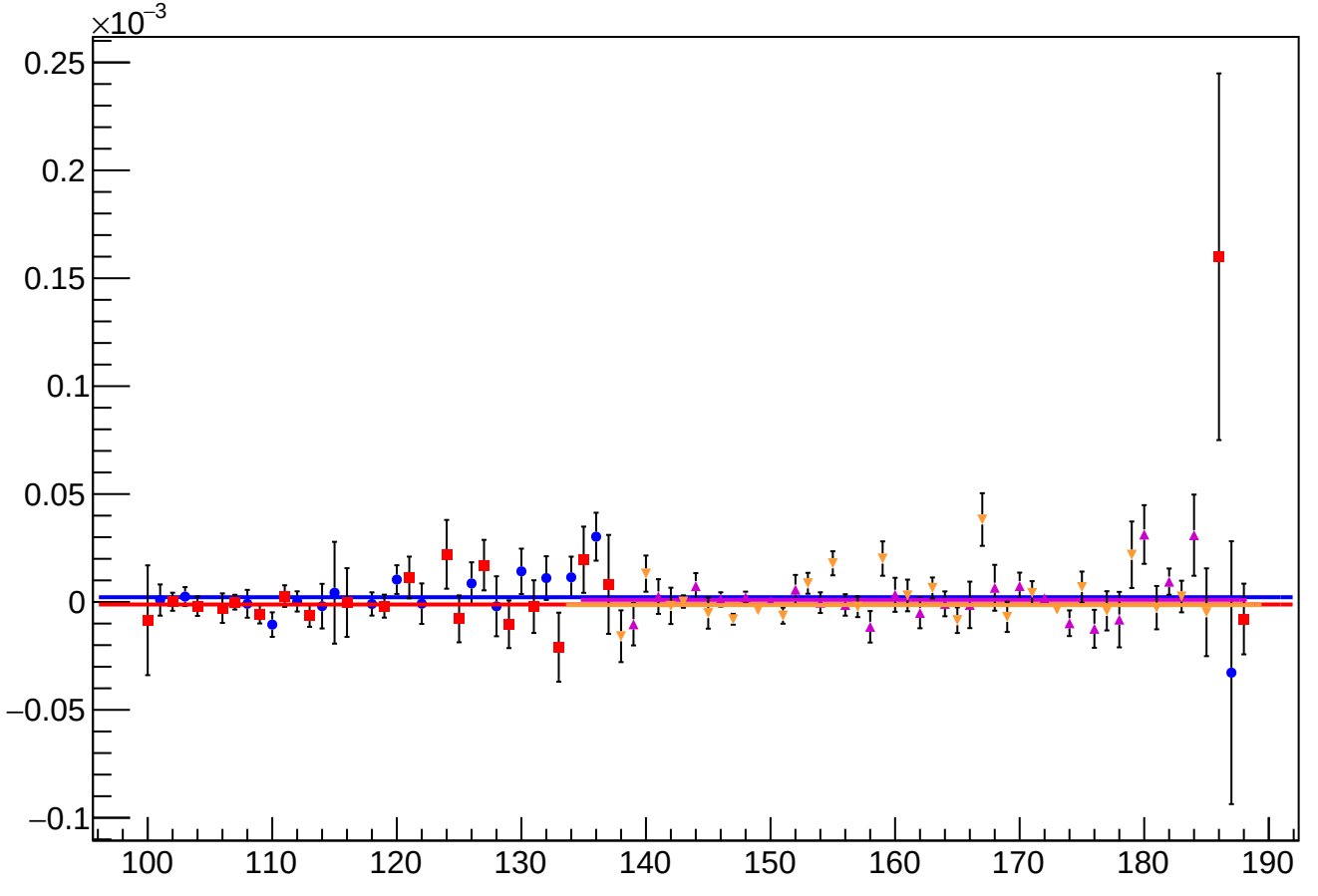
Left: 120.346+/-0.015 χ^2/NDF: 6935453.1/47

Right: 63.815+/-0.013 χ^2/NDF: 7507875.3/37

In: 86.934+/-0.014 χ^2/NDF:10748761.0/39

Out: 90.424+/-0.014 χ^2/NDF:11579830.7/45

All: 88.708+/-0.010 χ^2/NDF: 22359201.8/85



Right In: 0.000+/-0.000 χ^2/NDF: 17.8/16

Left Out: -0.000+/-0.000 χ^2/NDF:60.5/24

Right Out: -0.000+/-0.000 χ^2/NDF: 17.9/20

Left In: 0.000+/-0.000 χ^2/NDF:24.5/22

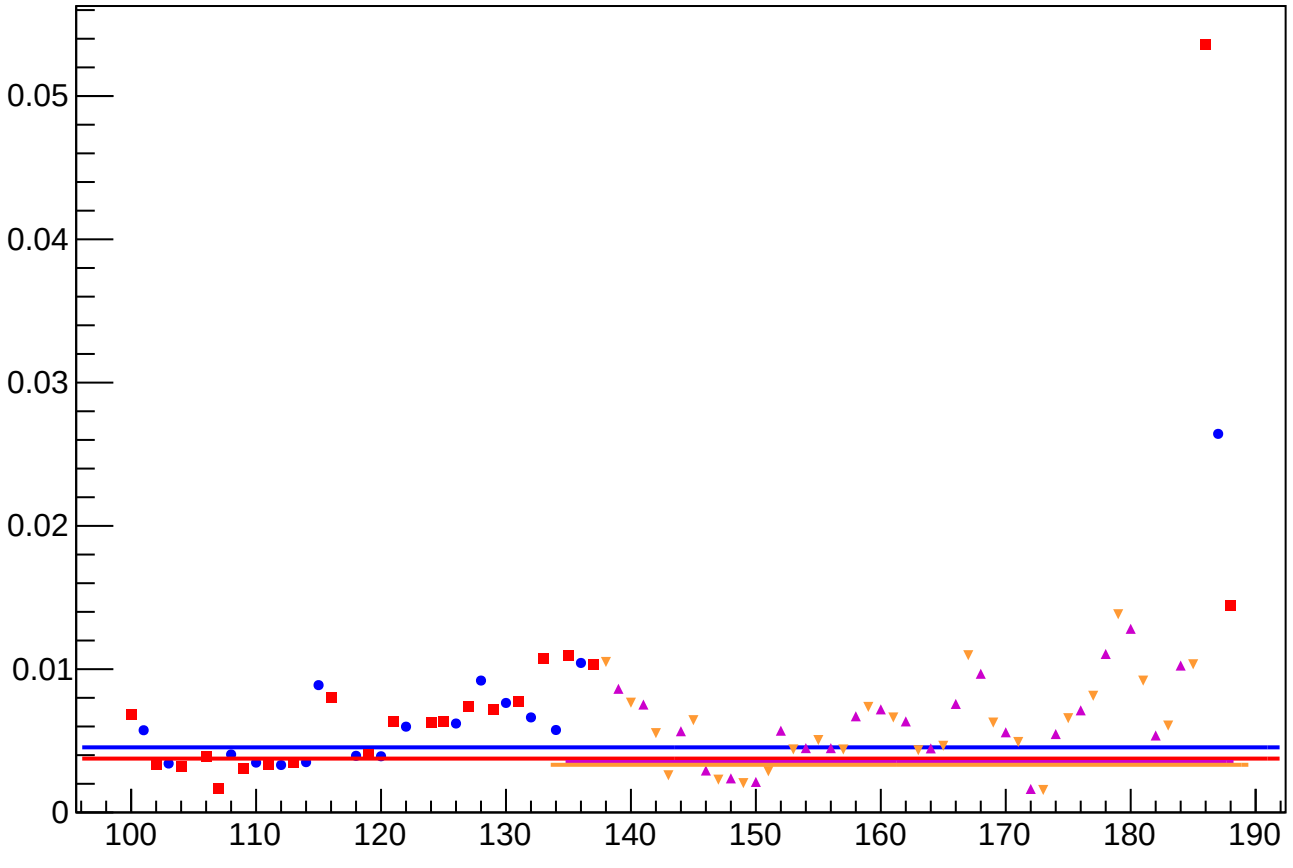
Left: -0.000+/-0.000 χ^2/NDF: 88.2/47

Right: 0.000+/-0.000 χ^2/NDF: 37.7/37

In: 0.000+/-0.000 χ^2/NDF:42.6/39

Out: -0.000+/-0.000 χ^2/NDF:78.3/45

All: -0.000+/-0.000 χ^2/NDF: 126.1/85



Right In: 0.005+/-0.000 χ^2/NDF: 1979731.2/16

Left Out: 0.003+/-0.000 χ^2/NDF:10486084.0/24

Right Out: 0.004+/-0.000 χ^2/NDF: 4483626.7/20

Left In: 0.004+/-0.000 χ^2/NDF:9426441.5/22

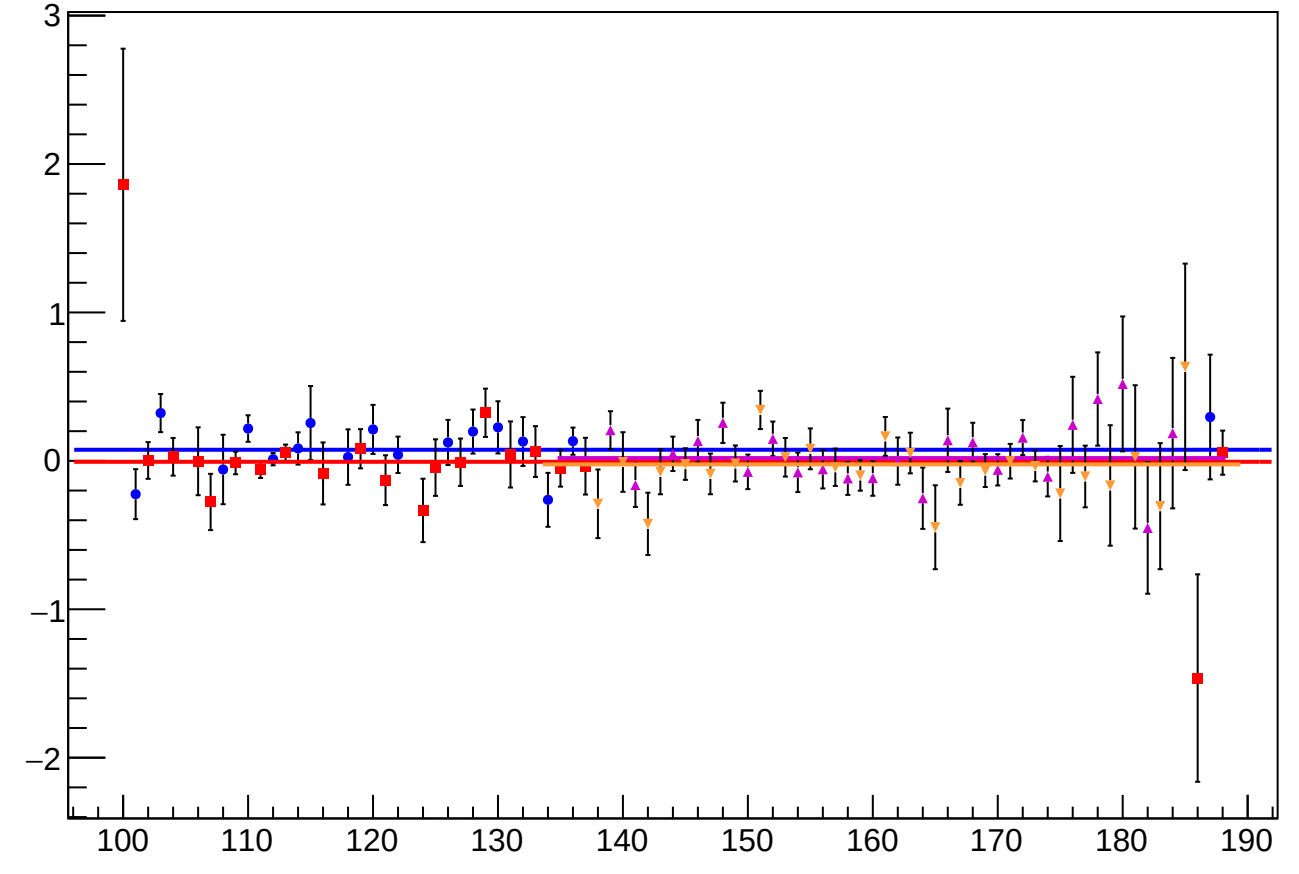
Left: 0.003+/-0.000 χ^2/NDF: 19955580.6/47

Right: 0.004+/-0.000 χ^2/NDF: 6687066.2/37

In: 0.004+/-0.000 χ^2/NDF:11896978.6/39

Out: 0.003+/-0.000 χ^2/NDF:15092550.8/45

All: 0.004+/-0.000 χ^2/NDF: 27135922.3/85



Right In: 0.075+/-0.027 χ^2/NDF: 19.3/16

Left Out: -0.024+/-0.030 χ^2/NDF:22.2/24

Right Out: -0.006+/-0.026 χ^2/NDF: 20.9/20

Left In: 0.019+/-0.030 χ^2/NDF:23.0/22

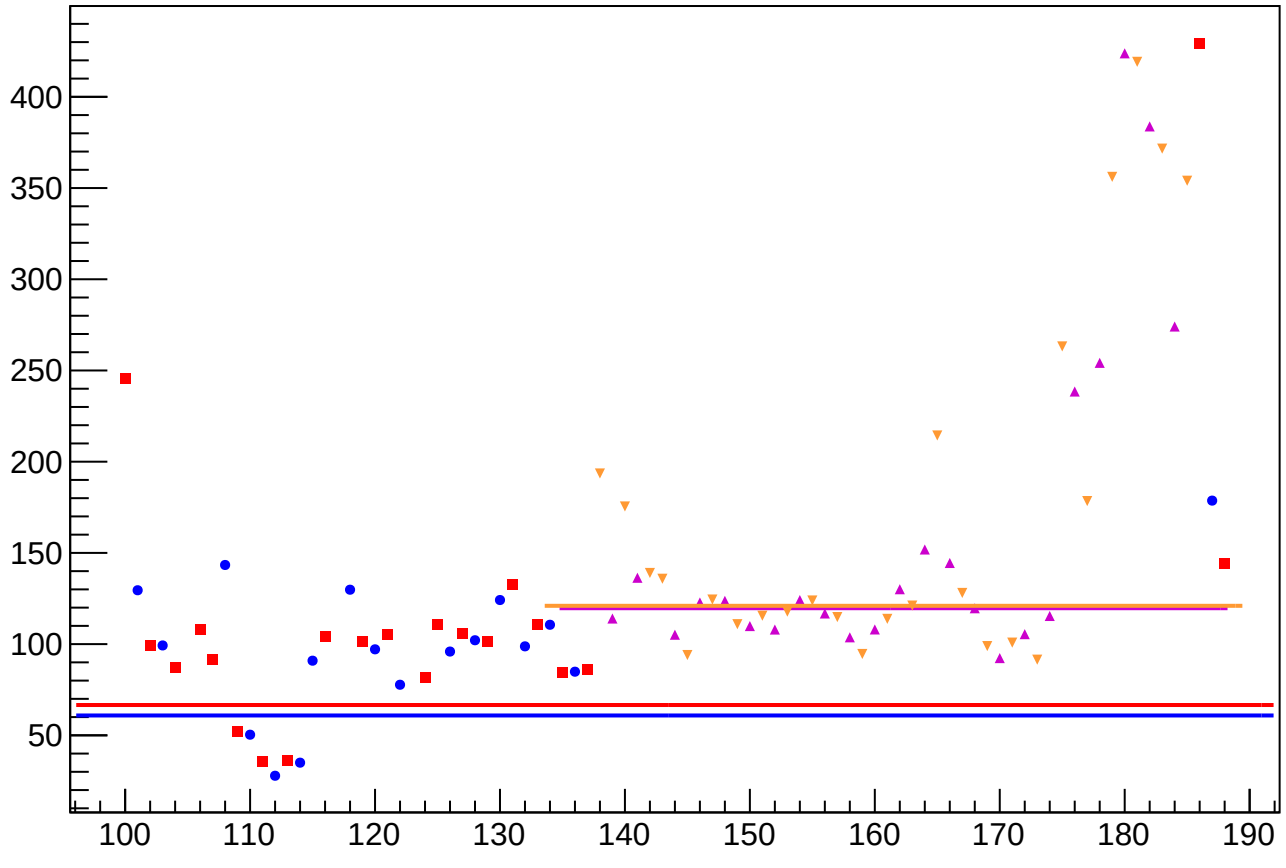
Left: -0.003+/-0.021 χ^2/NDF: 46.2/47

Right: 0.033+/-0.019 χ^2/NDF: 44.8/37

In: 0.050+/-0.020 χ^2/NDF:44.2/39

Out: -0.014+/-0.020 χ^2/NDF:43.3/45

All: 0.017+/-0.014 χ^2/NDF: 92.6/85



Right In: 60.886+/-0.019 χ^2/NDF: 3696150.5/16

Left Out: 121.000+/-0.021 χ^2/NDF:4095210.5/24

Right Out: 66.618+/-0.019 χ^2/NDF: 3766095.8/20

Left In: 119.680+/-0.021 χ^2/NDF:2838196.2/22

Left: 120.347+/-0.015 χ^2/NDF: 6935335.2/47

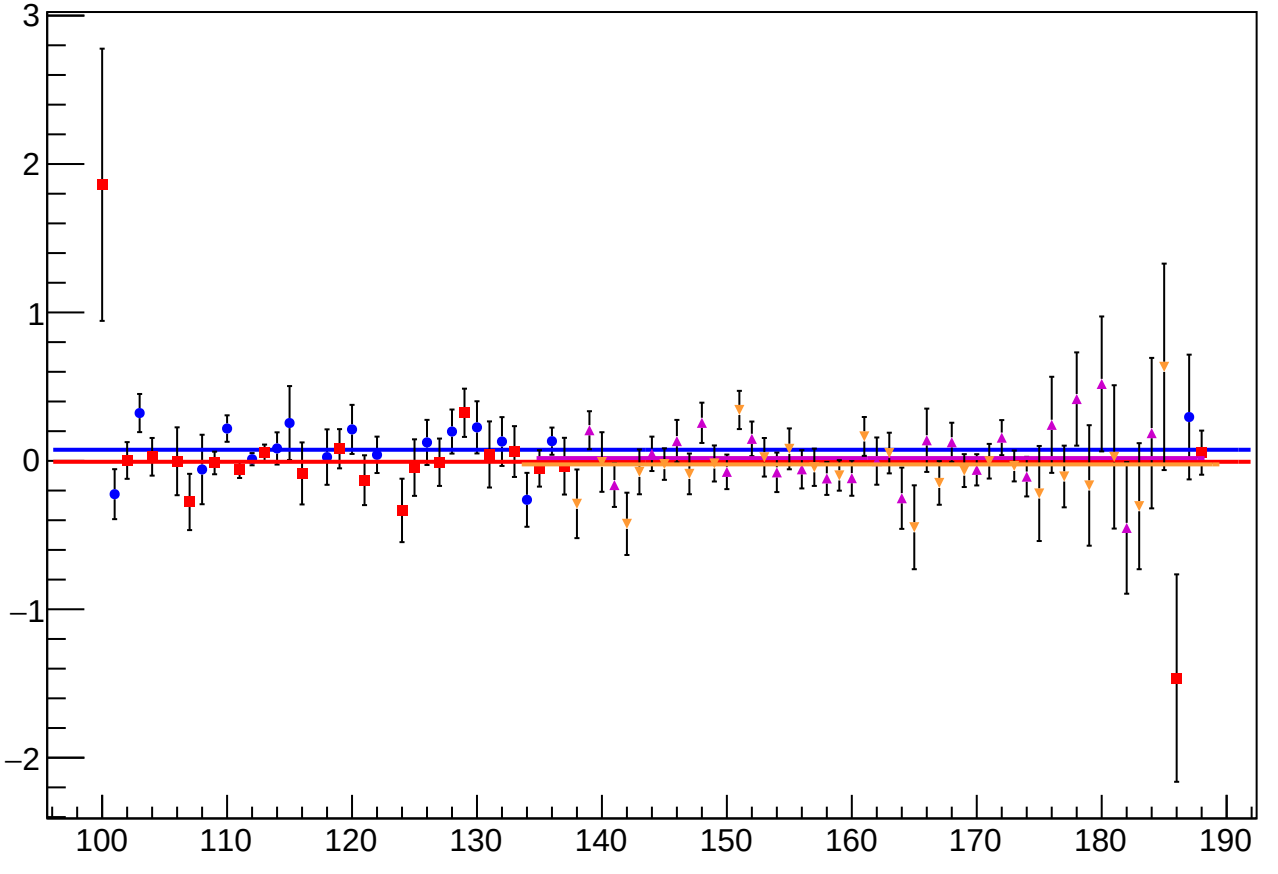
Right: 63.813+/-0.013 χ^2/NDF: 7508441.1/37

In: 86.932+/-0.014 χ^2/NDF:10749447.4/39

Out: 90.423+/-0.014 χ^2/NDF:11580479.9/45

All: 88.707+/-0.010 χ^2/NDF: 22360544.0/85

asym_sam4_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.075+/-0.027 χ^2/NDF: 19.3/16

Left Out: -0.024+/-0.030 χ^2/NDF:22.2/24

Right Out: -0.006+/-0.026 χ^2/NDF: 20.9/20

Left In: 0.019+/-0.030 χ^2/NDF:23.0/22

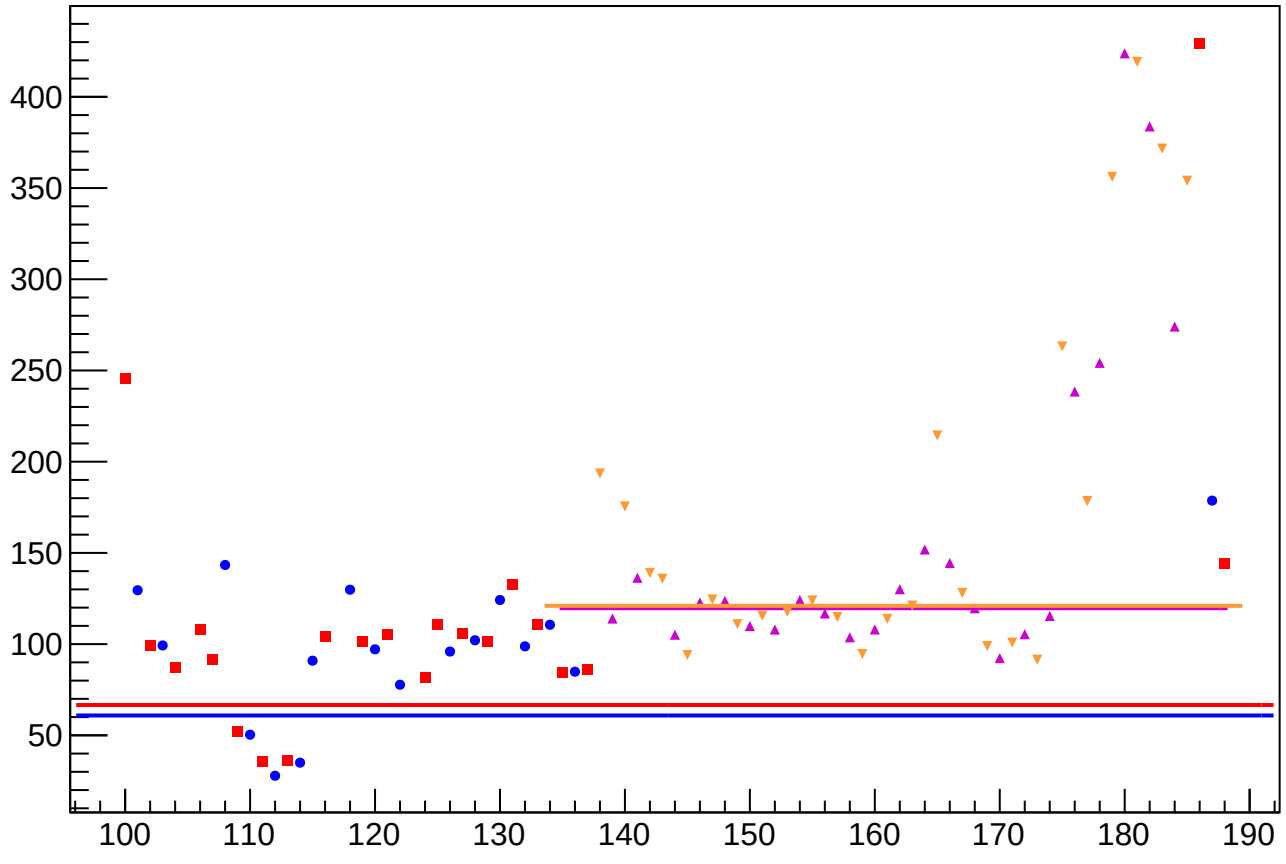
Left: -0.003+/-0.021 χ^2/NDF: 46.2/47

Right: 0.033+/-0.019 χ^2/NDF: 44.8/37

In: 0.050+/-0.020 χ^2/NDF:44.2/39

Out: -0.014+/-0.020 χ^2/NDF:43.3/45

All: 0.017+/-0.014 χ^2/NDF: 92.6/85



Right In: 60.886+/-0.019 χ^2/NDF: 3696150.5/16

Left Out: 121.000+/-0.021 χ^2/NDF:4095210.5/24

Right Out: 66.618+/-0.019 χ^2/NDF: 3766095.8/20

Left In: 119.680+/-0.021 χ^2/NDF:2838196.2/22

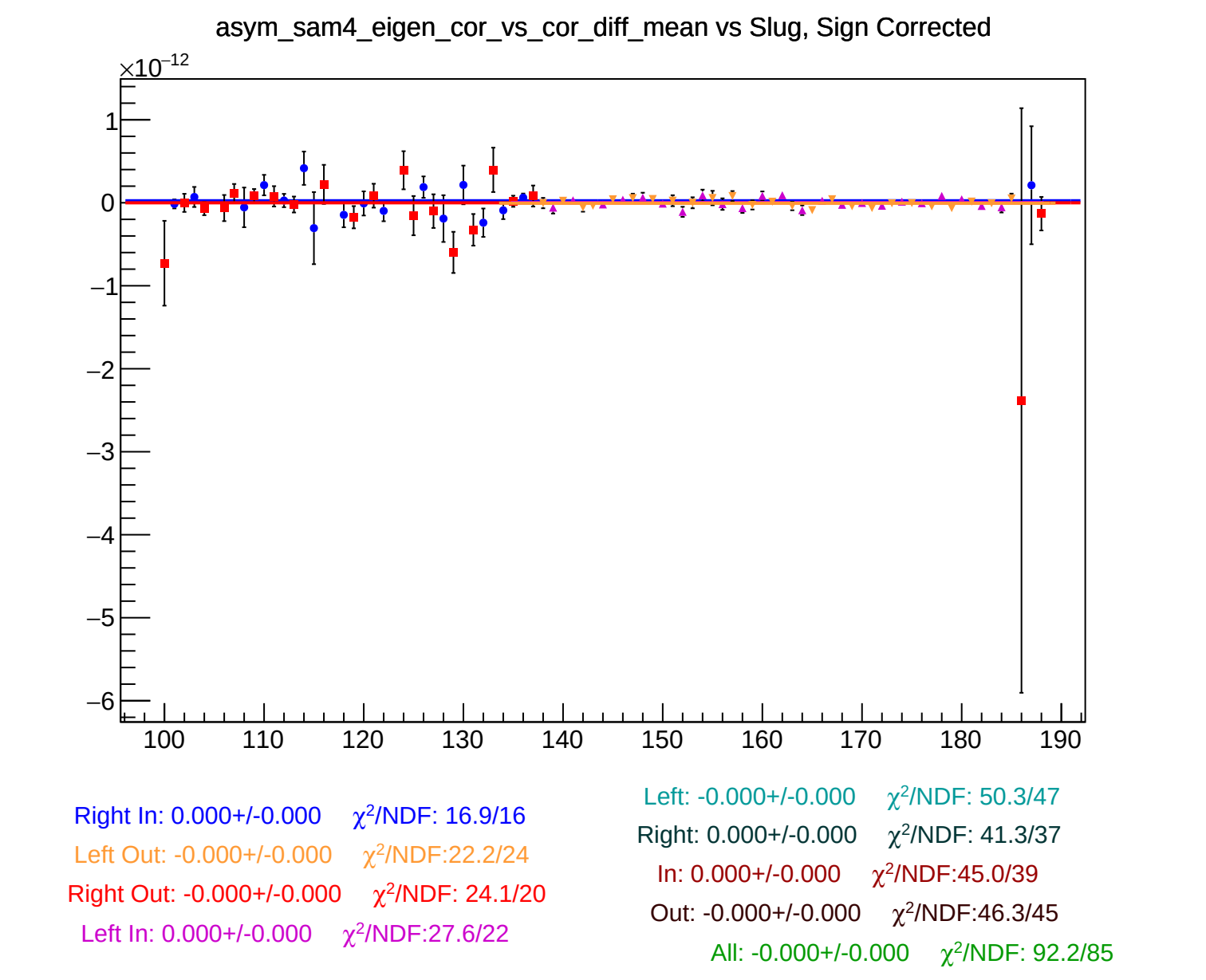
Left: 120.347+/-0.015 χ^2/NDF: 6935335.2/47

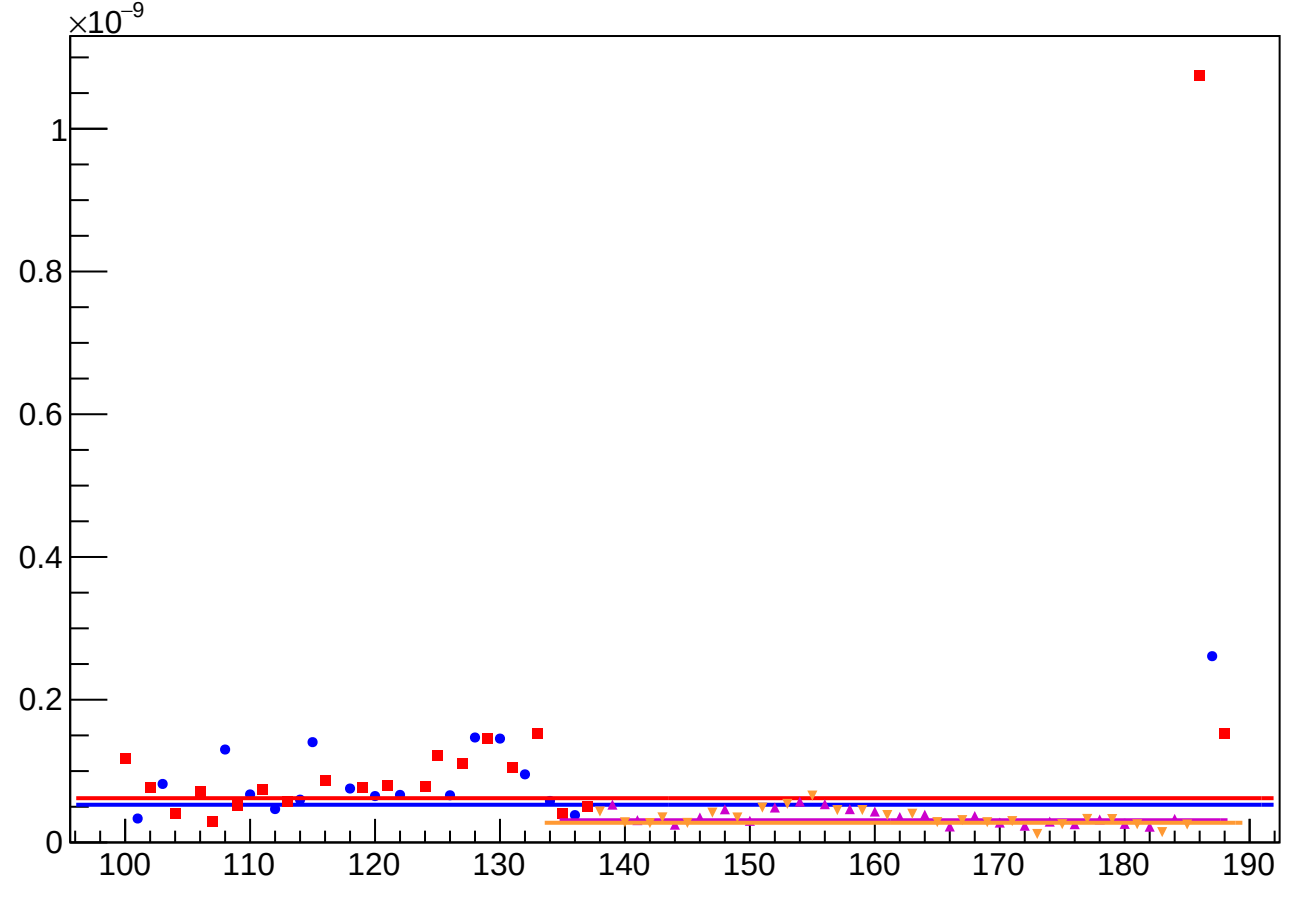
Right: 63.813+/-0.013 χ^2/NDF: 7508441.1/37

In: 86.932+/-0.014 χ^2/NDF:10749447.4/39

Out: 90.423+/-0.014 χ^2/NDF:11580479.9/45

All: 88.707+/-0.010 χ^2/NDF: 22360544.0/85


asym_sam4_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1
0
−1
−2
−3
−4
−5
−6
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 16.9/16
Left Out: -0.000+/-0.000 χ²/NDF:22.2/24
Right Out: -0.000+/-0.000 χ²/NDF: 24.1/20
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: 41.3/37
In: 0.000+/-0.000 χ²/NDF:45.0/39
Out: -0.000+/-0.000 χ²/NDF:46.3/45
All: -0.000+/-0.000 χ²/NDF: 92.2/85



Right In: 0.000+/-0.000 χ^2/NDF: 1820939.0/16

Left Out: 0.000+/-0.000 χ^2/NDF:3691738.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2114073.3/20

Left In: 0.000+/-0.000 χ^2/NDF:1937733.7/22

Left: 0.000+/-0.000 χ^2/NDF: 5803061.5/47

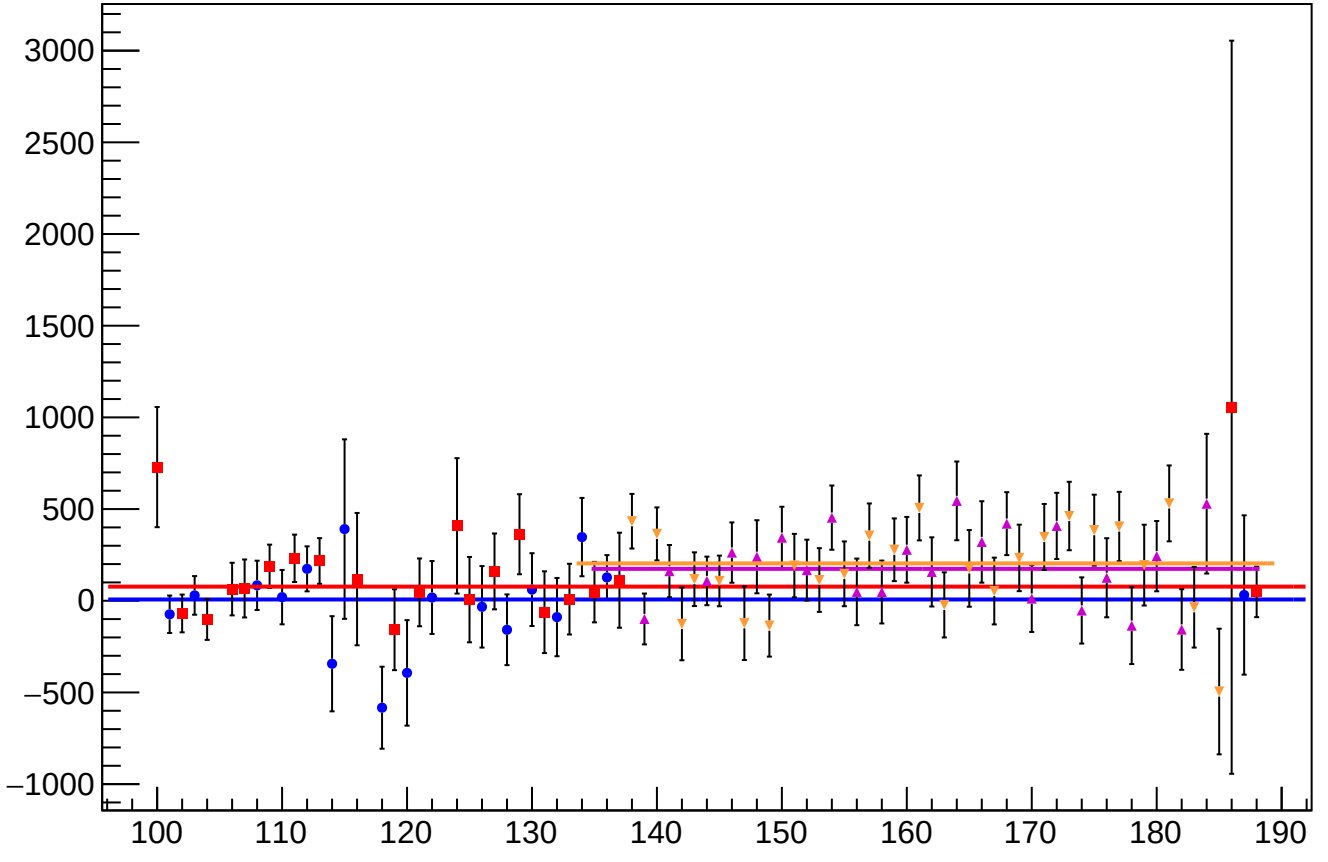
Right: 0.000+/-0.000 χ^2/NDF: 4047583.1/37

In: 0.000+/-0.000 χ^2/NDF:4992053.5/39

Out: 0.000+/-0.000 χ^2/NDF:8497079.2/45

All: 0.000+/-0.000 χ^2/NDF: 13650668.1/85

reg_asym_sam5_mean vs Slug, Sign Corrected



Right In: 7.022+/-40.180 χ^2/NDF: 18.8/16

Left Out: 203.760+/-35.878 χ^2/NDF:32.9/24

Right Out: 77.053+/-36.541 χ^2/NDF: 17.0/20

Left In: 173.974+/-37.405 χ^2/NDF:24.5/22

Left: 189.488+/-25.893 χ^2/NDF: 57.7/47

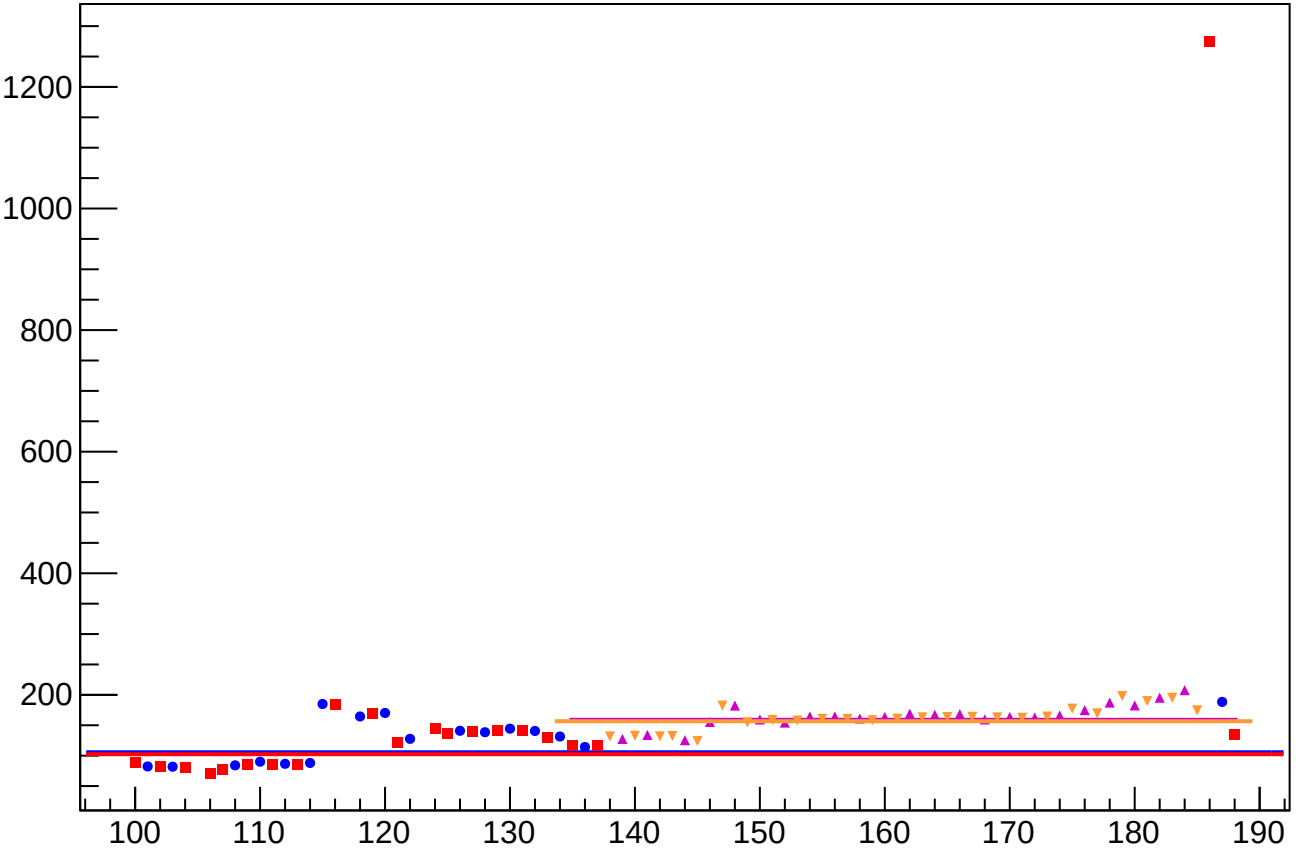
Right: 45.352+/-27.034 χ^2/NDF: 37.4/37

In: 96.461+/-27.378 χ^2/NDF:52.6/39

Out: 141.567+/-25.601 χ^2/NDF:56.0/45

All: 120.526+/-18.699 χ^2/NDF: 110.0/85

reg_asym_sam5_rms vs Slug, Sign Corrected



Right In: 105.575+/-0.028 χ^2/NDF: 1004587.1/16

Left Out: 156.638+/-0.025 χ^2/NDF:582414.4/24

Right Out: 102.385+/-0.026 χ^2/NDF: 1849248.6/20

Left In: 158.952+/-0.026 χ^2/NDF:511321.2/22

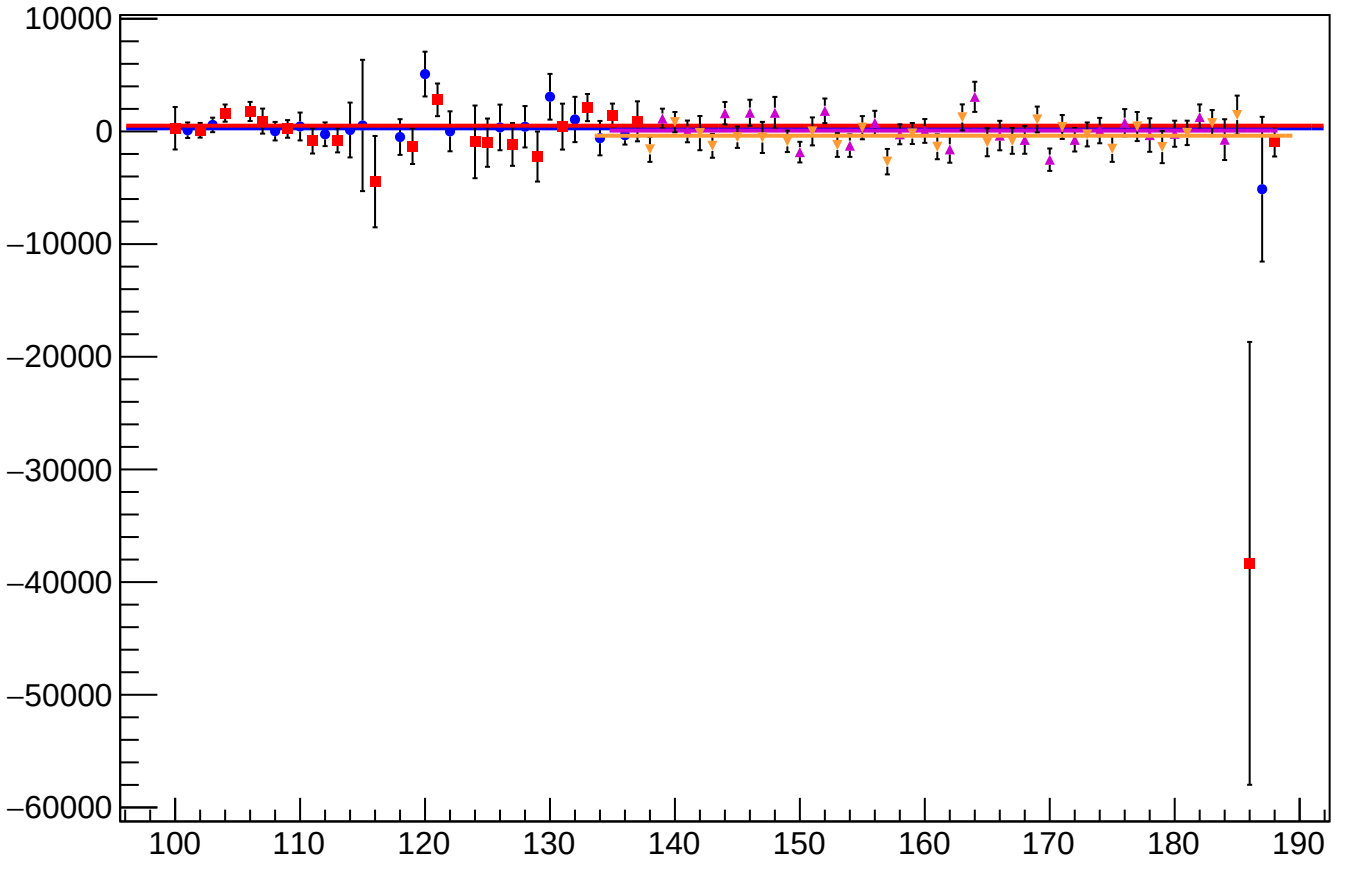
Left: 157.746+/-0.018 χ^2/NDF: 1097721.4/47

Right: 103.829+/-0.019 χ^2/NDF: 2860731.5/37

In: 134.170+/-0.019 χ^2/NDF:3406753.0/39

Out: 130.009+/-0.018 χ^2/NDF:4676354.3/45

All: 131.950+/-0.013 χ^2/NDF: 8107754.0/85



Right In: 275.636+/-293.168 χ^2/NDF: 10.4/16

Left Out: -380.690+/-224.554 χ^2/NDF:18.7/24

Right Out: 510.446+/-264.023 χ^2/NDF: 24.0/20

Left In: 74.440+/-229.788 χ^2/NDF:33.1/22

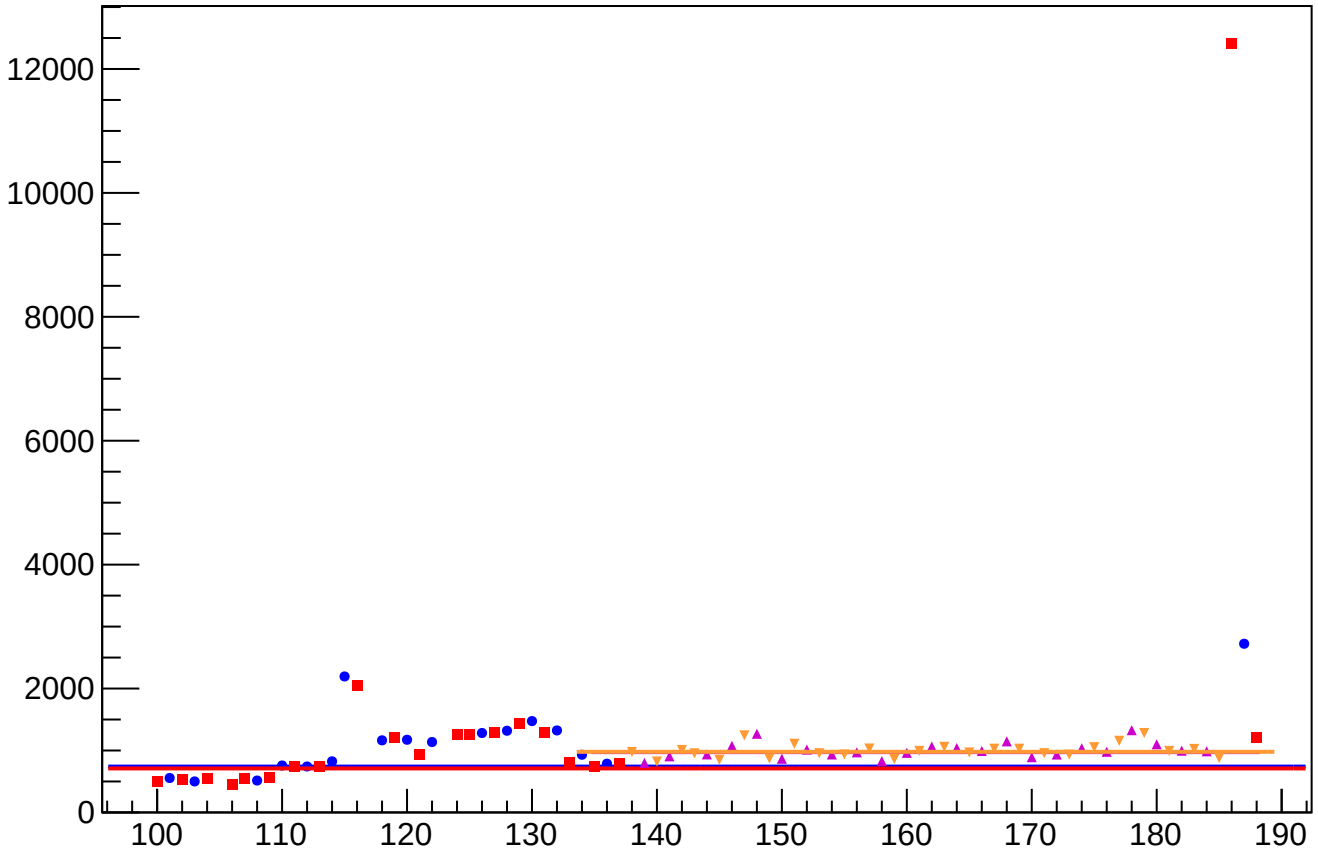
Left: -158.368+/-160.602 χ^2/NDF: 53.8/47

Right: 405.290+/-196.190 χ^2/NDF: 34.8/37

In: 151.007+/-180.854 χ^2/NDF:43.8/39

Out: -6.645+/-171.053 χ^2/NDF:49.3/45

All: 67.794+/-124.273 χ^2/NDF: 93.5/85



Right In: 740.223+/-0.207 χ^2/NDF: 2035446.0/16

Left Out: 979.111+/-0.159 χ^2/NDF:429795.3/24

Right Out: 710.431+/-0.187 χ^2/NDF: 2849992.7/20

Left In: 973.818+/-0.162 χ^2/NDF:498612.7/22

Left: 976.526+/-0.114 χ^2/NDF: 928951.0/47

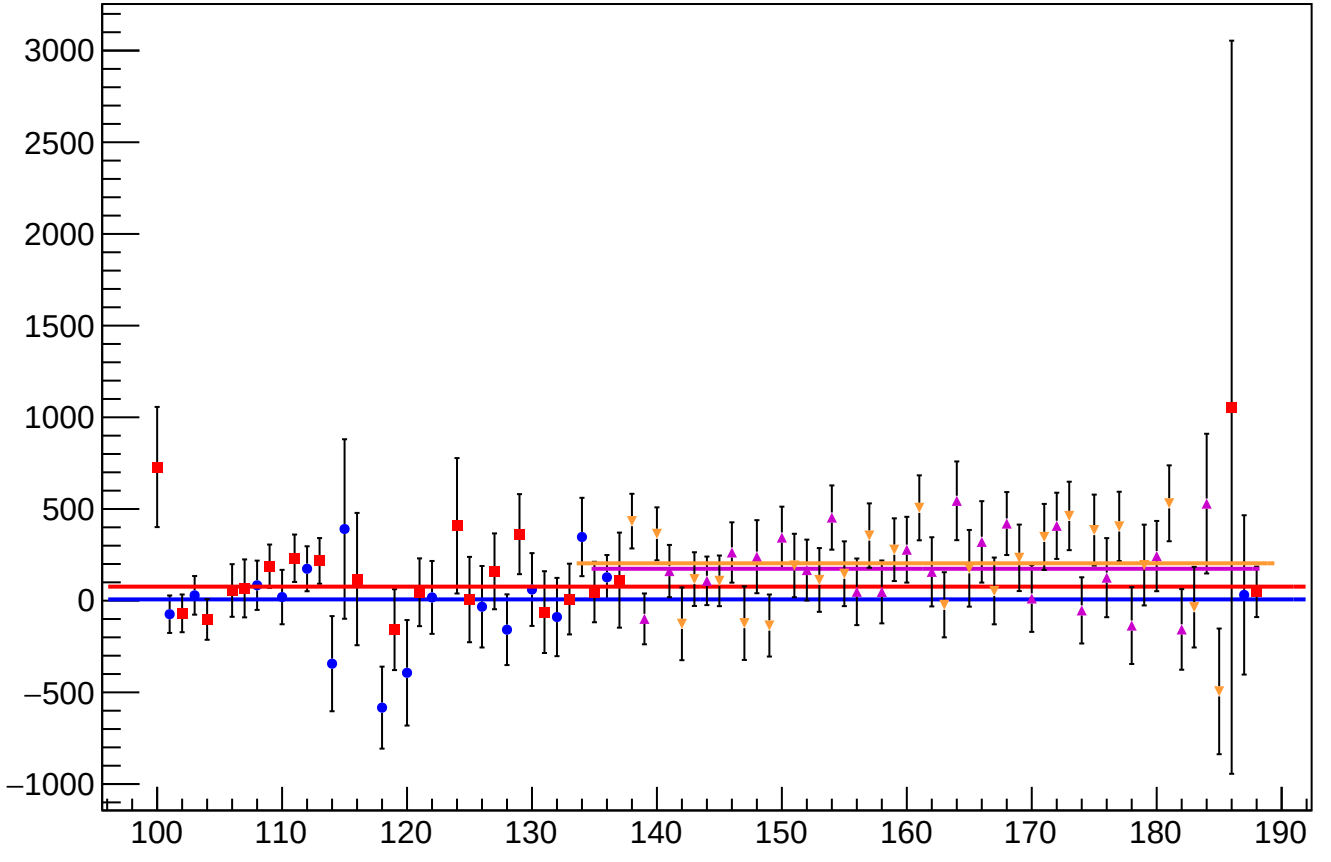
Right: 723.773+/-0.139 χ^2/NDF: 4896842.5/37

In: 884.921+/-0.128 χ^2/NDF:3320605.1/39

Out: 866.336+/-0.121 χ^2/NDF:4481611.7/45

All: 875.111+/-0.088 χ^2/NDF: 7813365.1/85

cor_asym_sam5_mean vs Slug, Sign Corrected



Right In: 7.010+/-40.180 χ^2/NDF: 18.8/16

Left Out: 203.766+/-35.878 χ^2/NDF:32.9/24

Right Out: 76.554+/-36.544 χ^2/NDF: 17.0/20

Left In: 173.978+/-37.405 χ^2/NDF:24.5/22

Left: 189.493+/-25.893 χ^2/NDF: 57.7/47

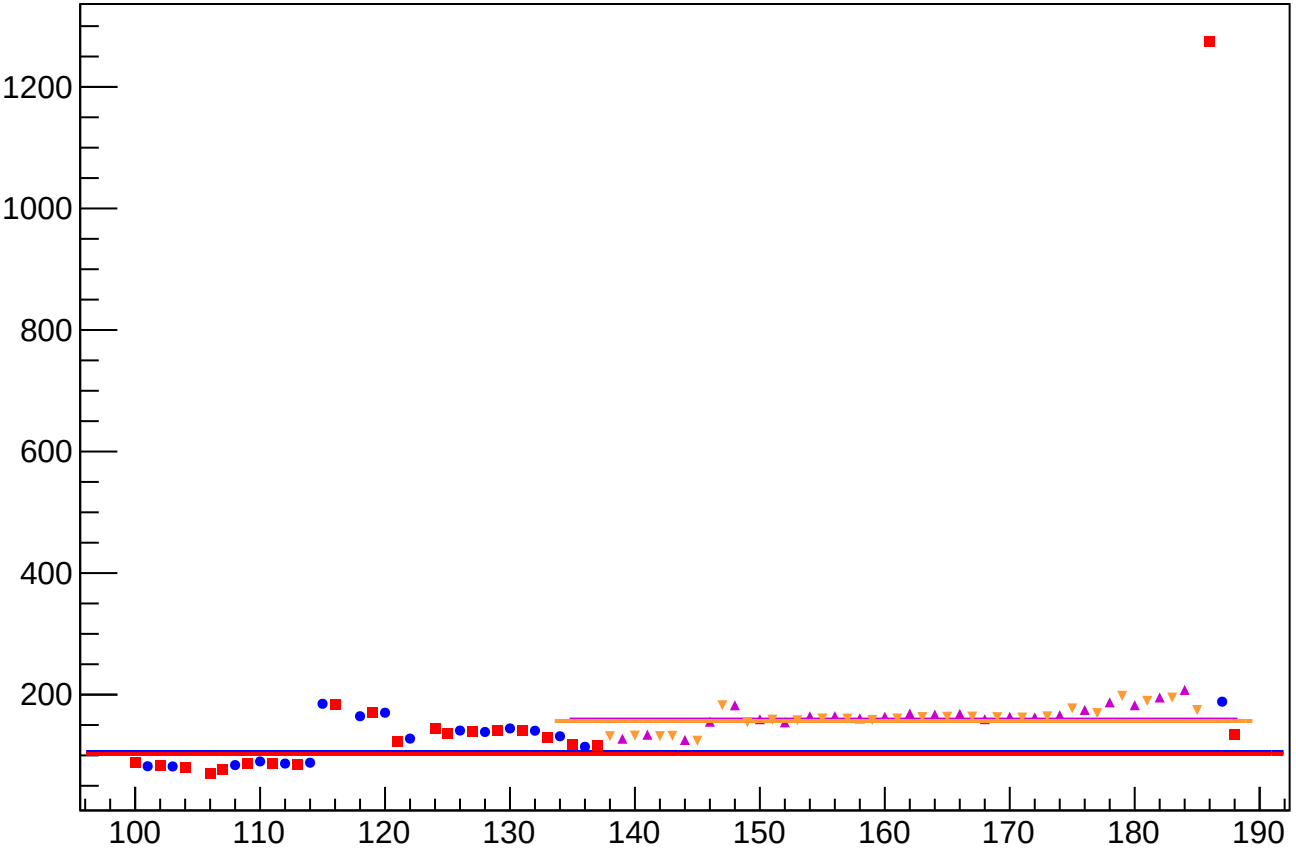
Right: 45.071+/-27.035 χ^2/NDF: 37.4/37

In: 96.458+/-27.378 χ^2/NDF:52.6/39

Out: 141.330+/-25.602 χ^2/NDF:56.0/45

All: 120.397+/-18.699 χ^2/NDF: 110.0/85

cor_asym_sam5_rms vs Slug, Sign Corrected



Right In: 105.575+/-0.028 χ^2/NDF: 1004586.4/16

Left Out: 156.638+/-0.025 χ^2/NDF:582414.5/24

Right Out: 102.364+/-0.026 χ^2/NDF: 1851625.3/20

Left In: 158.952+/-0.026 χ^2/NDF:511321.3/22

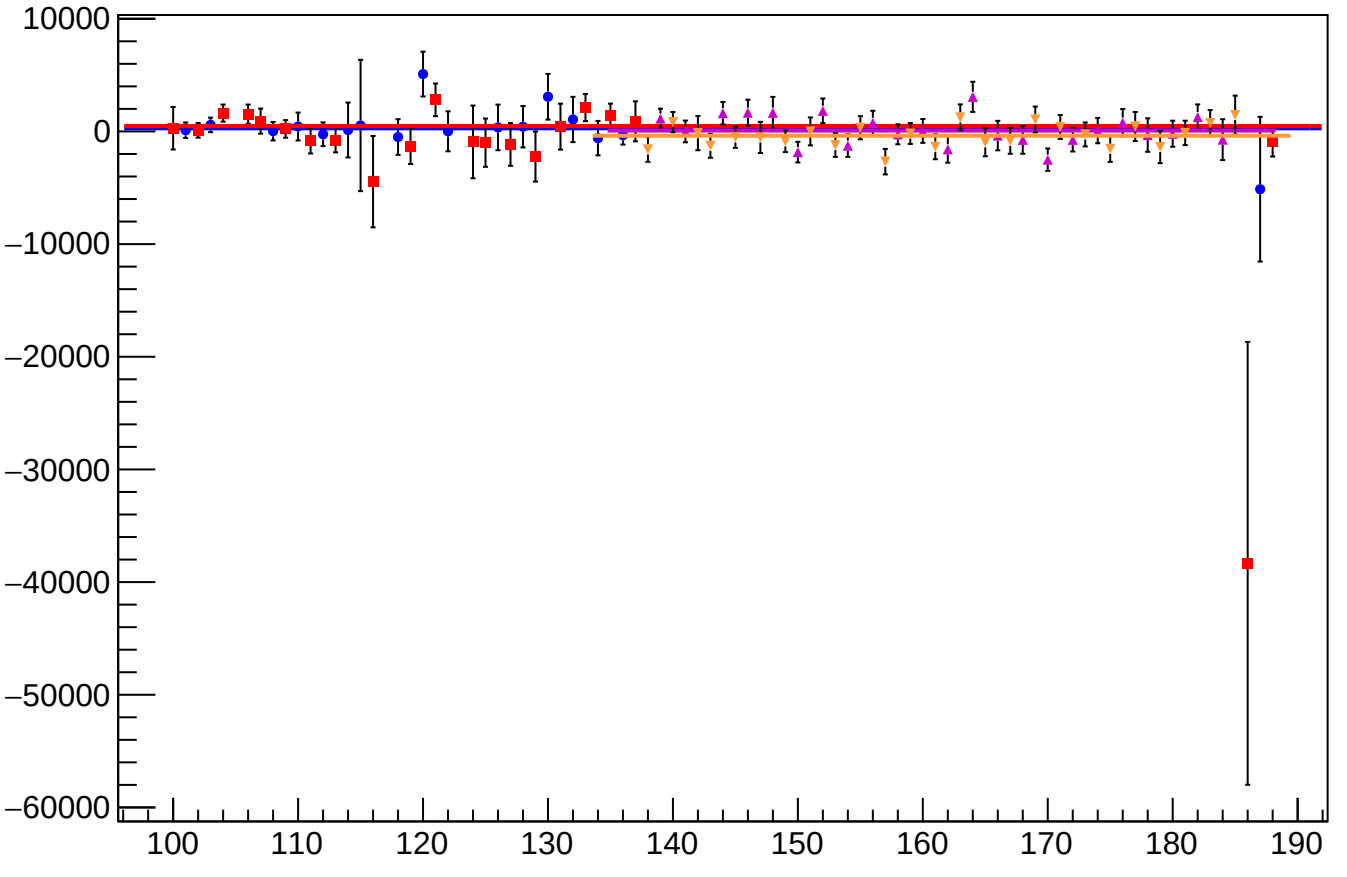
Left: 157.746+/-0.018 χ^2/NDF: 1097721.5/47

Right: 103.817+/-0.019 χ^2/NDF: 2863201.8/37

In: 134.170+/-0.019 χ^2/NDF:3406751.0/39

Out: 130.000+/-0.018 χ^2/NDF:4680386.7/45

All: 131.945+/-0.013 χ^2/NDF: 8111889.7/85



Right In: 275.639+/-293.168 χ^2/NDF: 10.4/16

Left Out: -380.678+/-224.554 χ^2/NDF:18.7/24

Right Out: 485.665+/-264.190 χ^2/NDF: 23.2/20

Left In: 74.438+/-229.788 χ^2/NDF:33.1/22

Left: -158.362+/-160.602 χ^2/NDF: 53.8/47

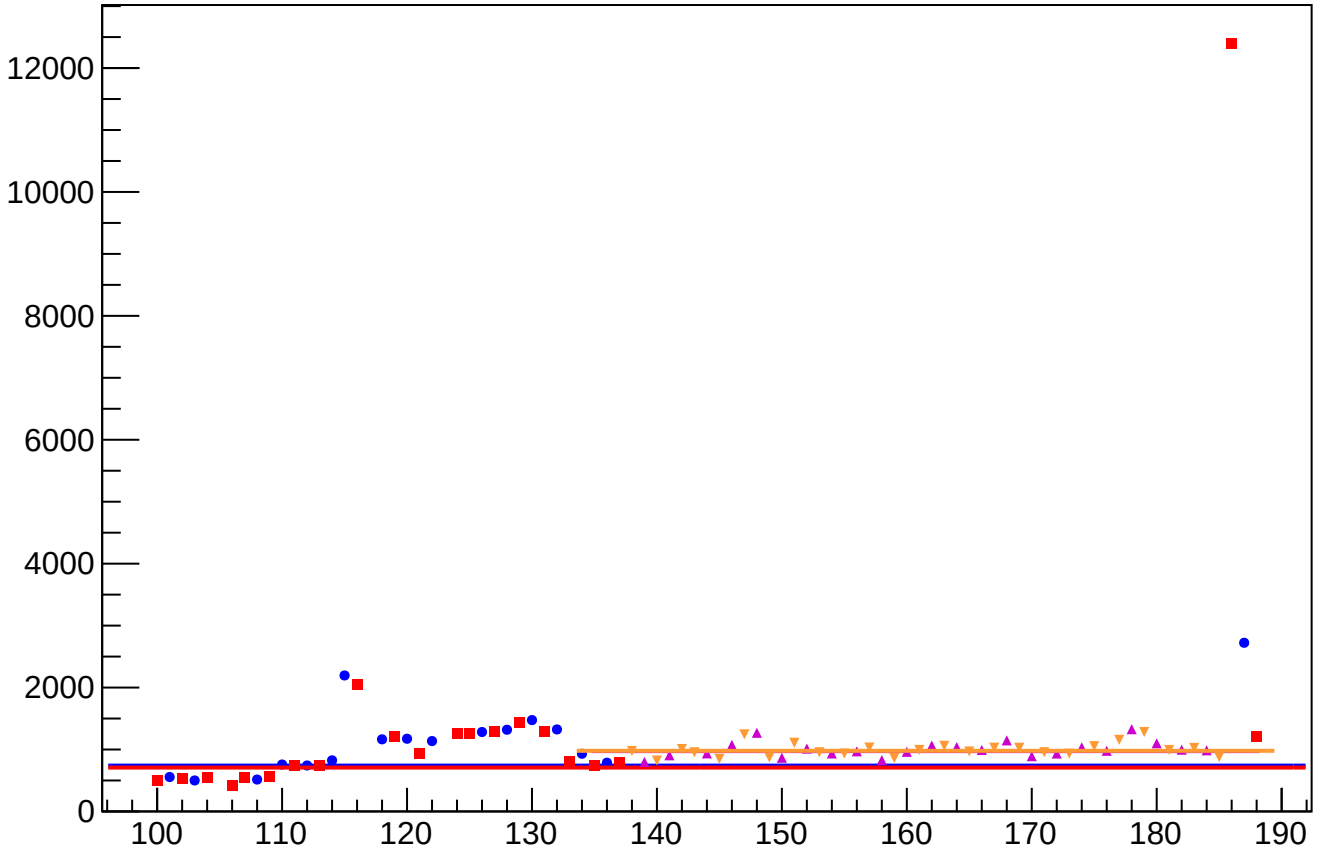
Right: 391.542+/-196.258 χ^2/NDF: 33.9/37

In: 151.007+/-180.854 χ^2/NDF:43.8/39

Out: -17.306+/-171.099 χ^2/NDF:48.2/45

All: 62.189+/-124.291 χ^2/NDF: 92.4/85

asym_sam5_cor_correction_rms vs Slug, Sign Corrected



Right In: 740.222+/-0.207 χ^2/NDF: 2035448.0/16

Left Out: 979.112+/-0.159 χ^2/NDF:429793.5/24

Right Out: 708.424+/-0.187 χ^2/NDF: 2884045.9/20

Left In: 973.818+/-0.162 χ^2/NDF:498615.1/22

Left: 976.526+/-0.114 χ^2/NDF: 928951.7/47

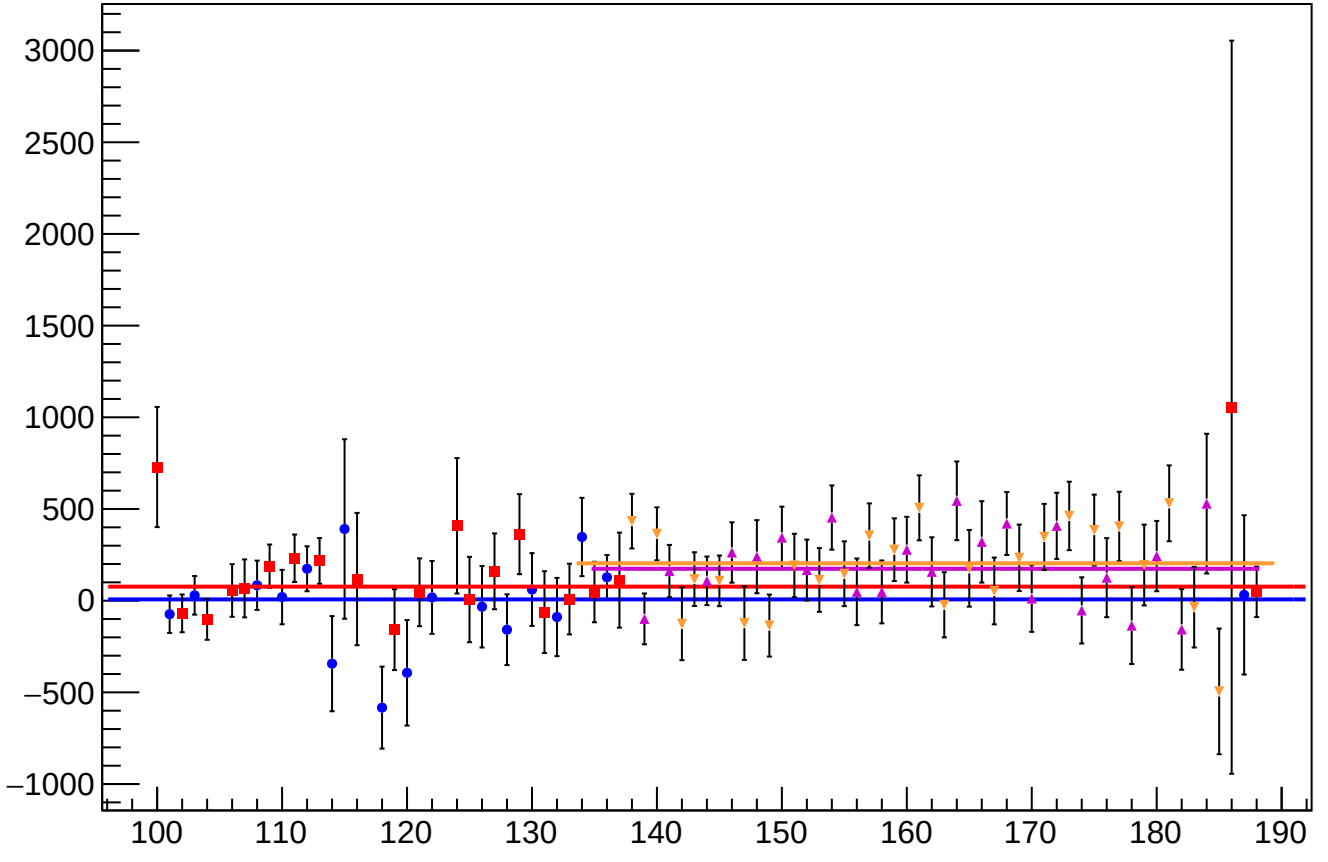
Right: 722.674+/-0.139 χ^2/NDF: 4932478.2/37

In: 884.921+/-0.128 χ^2/NDF:3320613.8/39

Out: 865.577+/-0.121 χ^2/NDF:4532791.2/45

All: 874.713+/-0.088 χ^2/NDF: 7865478.9/85

eigen_cor_asym_sam5_mean vs Slug, Sign Corrected



Right In: 7.010+/-40.180 χ^2/NDF: 18.8/16

Left Out: 203.766+/-35.878 χ^2/NDF:32.9/24

Right Out: 76.554+/-36.544 χ^2/NDF: 17.0/20

Left In: 173.978+/-37.405 χ^2/NDF:24.5/22

Left: 189.493+/-25.893 χ^2/NDF: 57.7/47

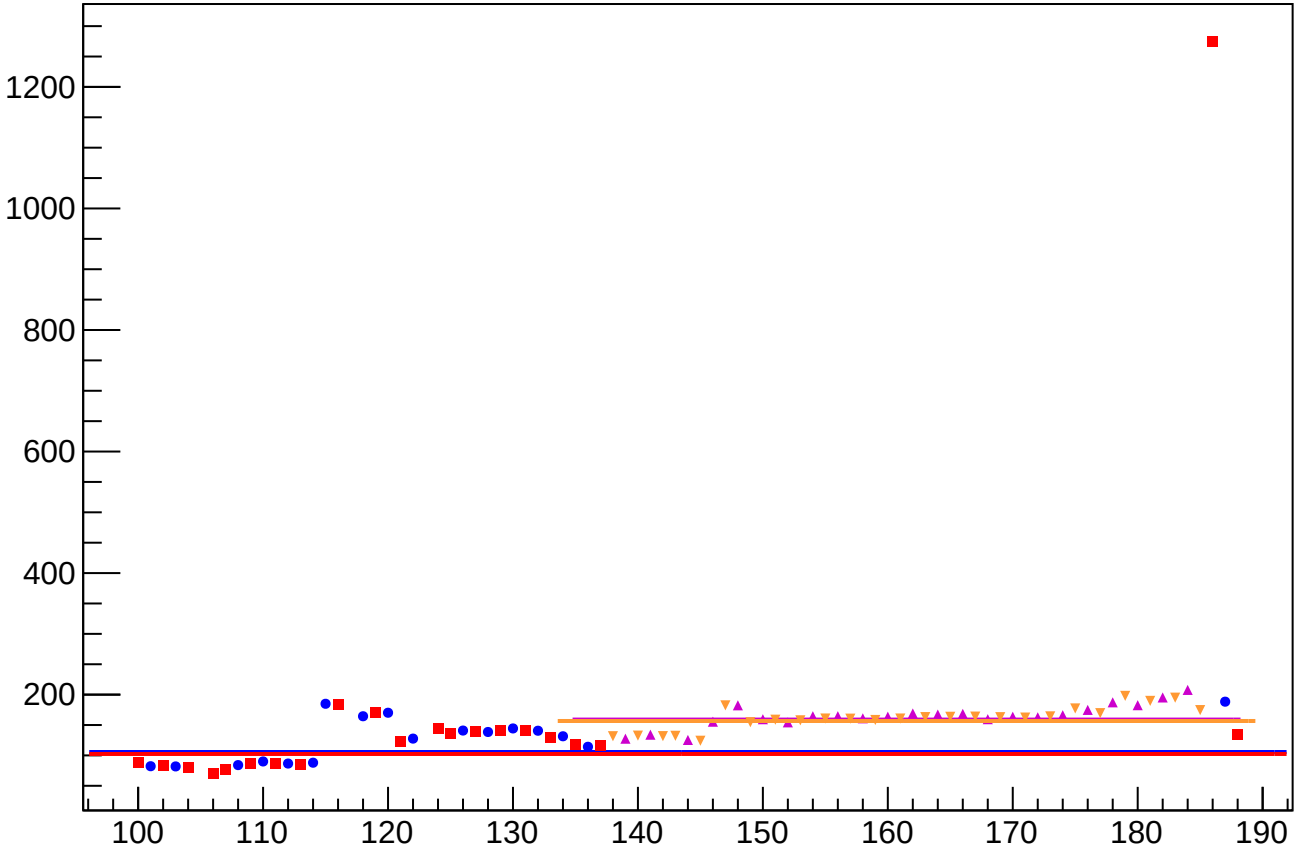
Right: 45.071+/-27.035 χ^2/NDF: 37.4/37

In: 96.458+/-27.378 χ^2/NDF:52.6/39

Out: 141.330+/-25.602 χ^2/NDF:56.0/45

All: 120.397+/-18.699 χ^2/NDF: 110.0/85

eigen_cor_asym_sam5_rms vs Slug, Sign Corrected



Right In: 105.575+/-0.028 χ^2/NDF: 1004586.4/16

Left Out: 156.638+/-0.025 χ^2/NDF:582414.5/24

Right Out: 102.364+/-0.026 χ^2/NDF: 1851625.3/20

Left In: 158.952+/-0.026 χ^2/NDF:511321.3/22

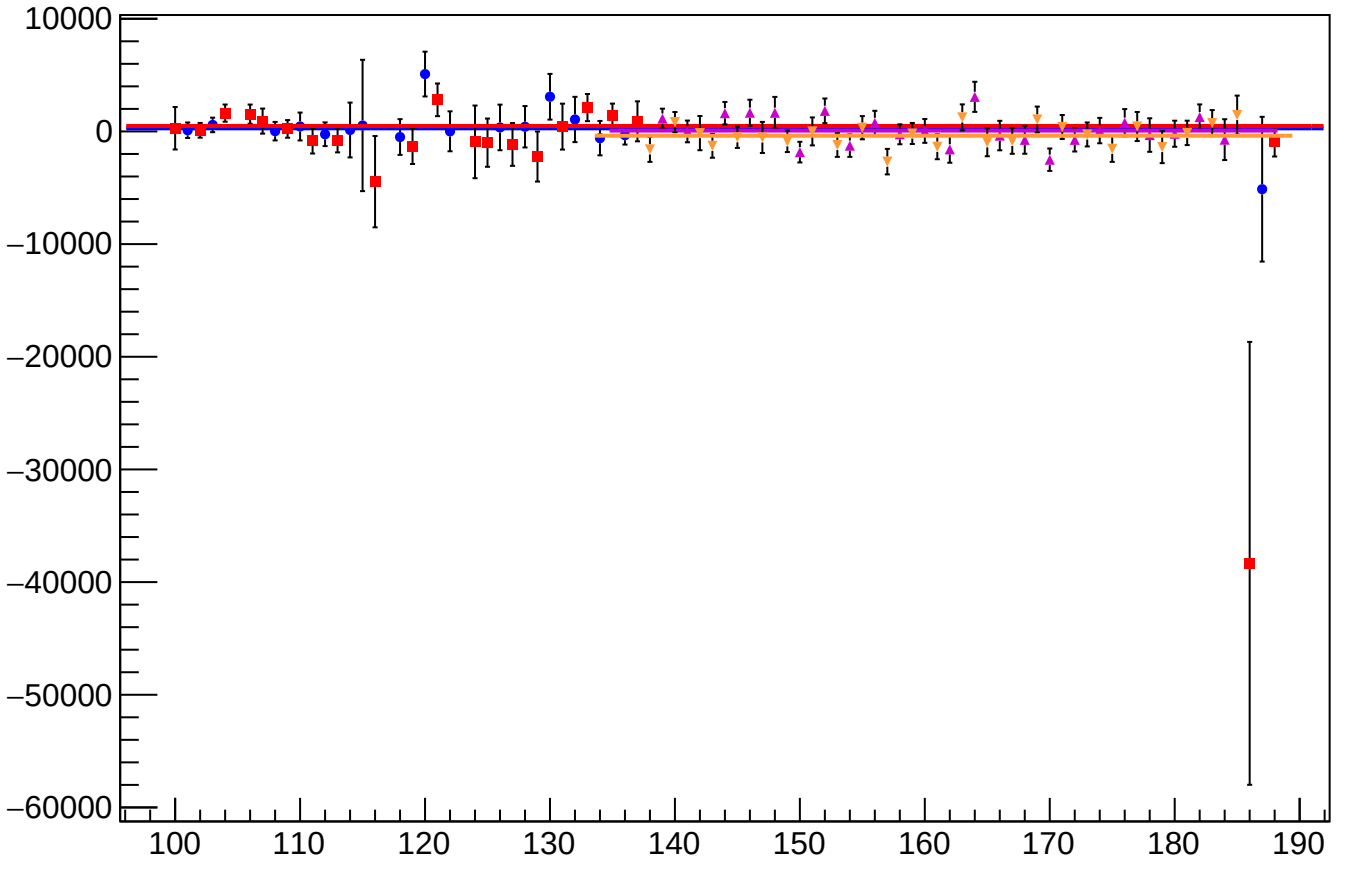
Left: 157.746+/-0.018 χ^2/NDF: 1097721.5/47

Right: 103.817+/-0.019 χ^2/NDF: 2863201.8/37

In: 134.170+/-0.019 χ^2/NDF:3406751.0/39

Out: 130.000+/-0.018 χ^2/NDF:4680386.7/45

All: 131.945+/-0.013 χ^2/NDF: 8111889.7/85



Right In: 275.639+/-293.168 χ^2/NDF: 10.4/16

Left Out: -380.678+/-224.554 χ^2/NDF:18.7/24

Right Out: 485.665+/-264.190 χ^2/NDF: 23.2/20

Left In: 74.438+/-229.788 χ^2/NDF:33.1/22

Left: -158.362+/-160.602 χ^2/NDF: 53.8/47

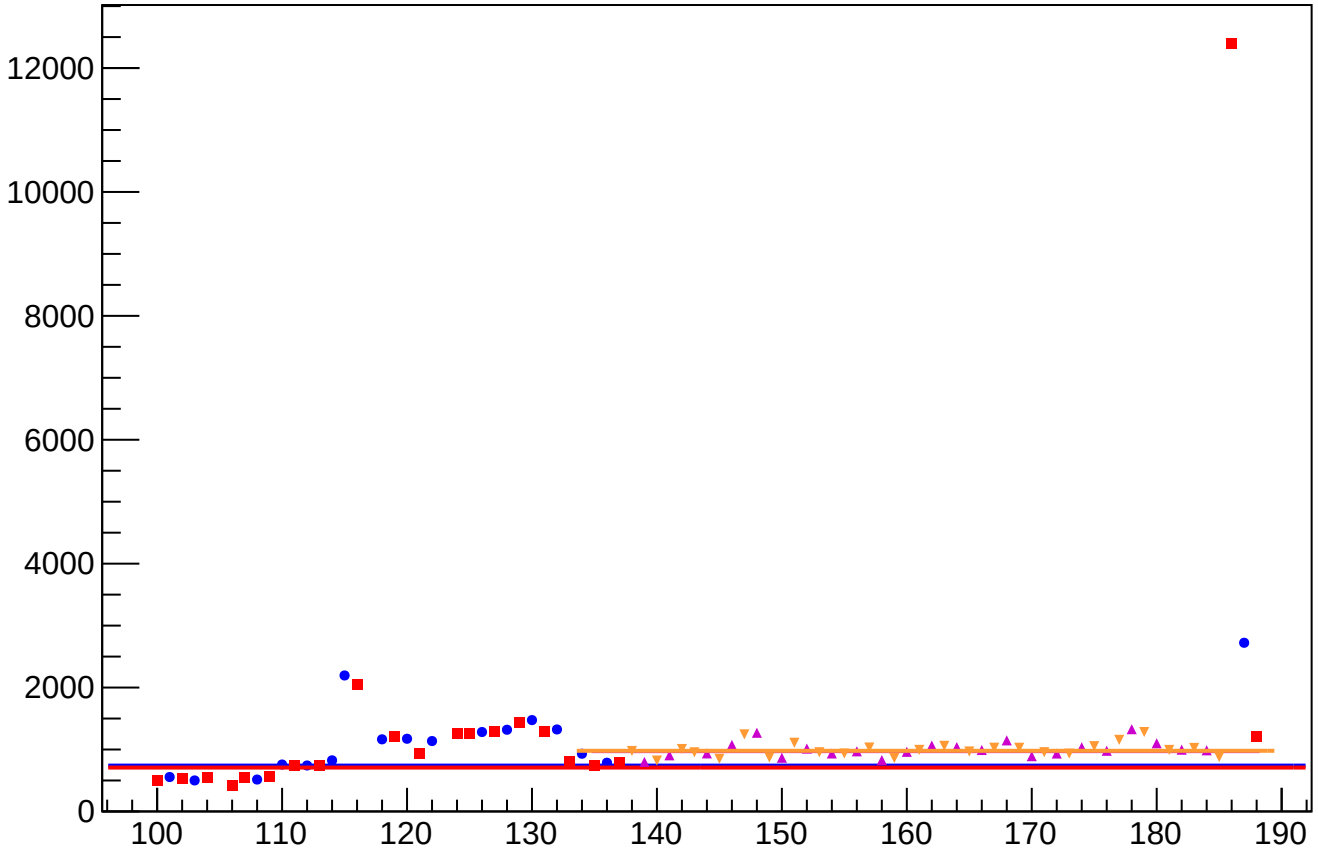
Right: 391.542+/-196.258 χ^2/NDF: 33.9/37

In: 151.007+/-180.854 χ^2/NDF:43.8/39

Out: -17.306+/-171.099 χ^2/NDF:48.2/45

All: 62.189+/-124.291 χ^2/NDF: 92.4/85

asym_sam5_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 740.222+/-0.207 χ^2/NDF: 2035448.0/16

Left Out: 979.112+/-0.159 χ^2/NDF:429793.5/24

Right Out: 708.424+/-0.187 χ^2/NDF: 2884045.9/20

Left In: 973.818+/-0.162 χ^2/NDF:498615.1/22

Left: 976.526+/-0.114 χ^2/NDF: 928951.7/47

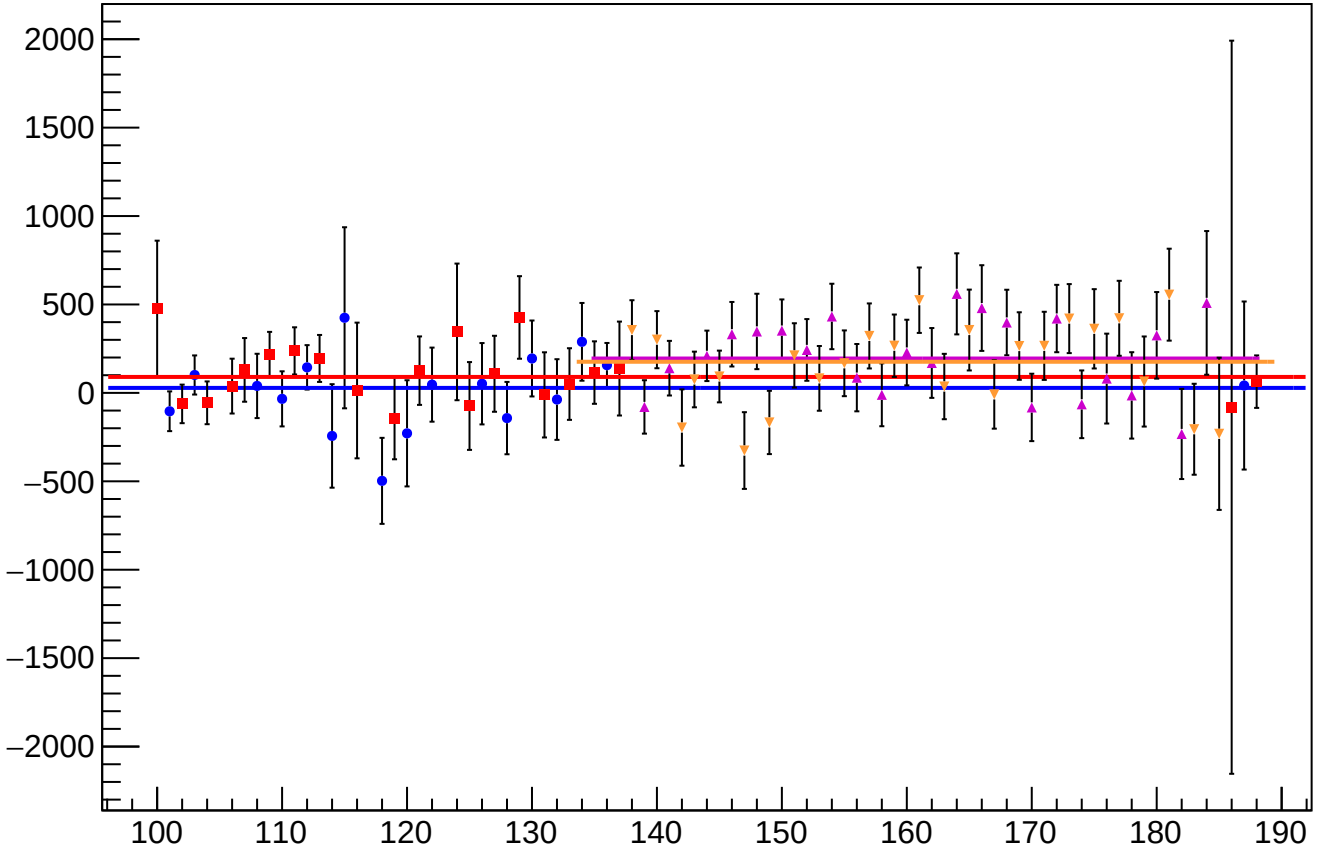
Right: 722.674+/-0.139 χ^2/NDF: 4932478.2/37

In: 884.921+/-0.128 χ^2/NDF:3320613.8/39

Out: 865.577+/-0.121 χ^2/NDF:4532791.2/45

All: 874.713+/-0.088 χ^2/NDF: 7865478.9/85

dit_asym_sam5_mean vs Slug, Sign Corrected



Right In: 28.206+/-43.258 χ^2/NDF: 13.6/16

Left Out: 176.010+/-38.838 χ^2/NDF:30.8/24

Right Out: 90.191+/-39.098 χ^2/NDF: 11.7/20

Left In: 194.324+/-40.384 χ^2/NDF:23.8/22

Left: 184.810+/-27.993 χ^2/NDF: 54.7/47

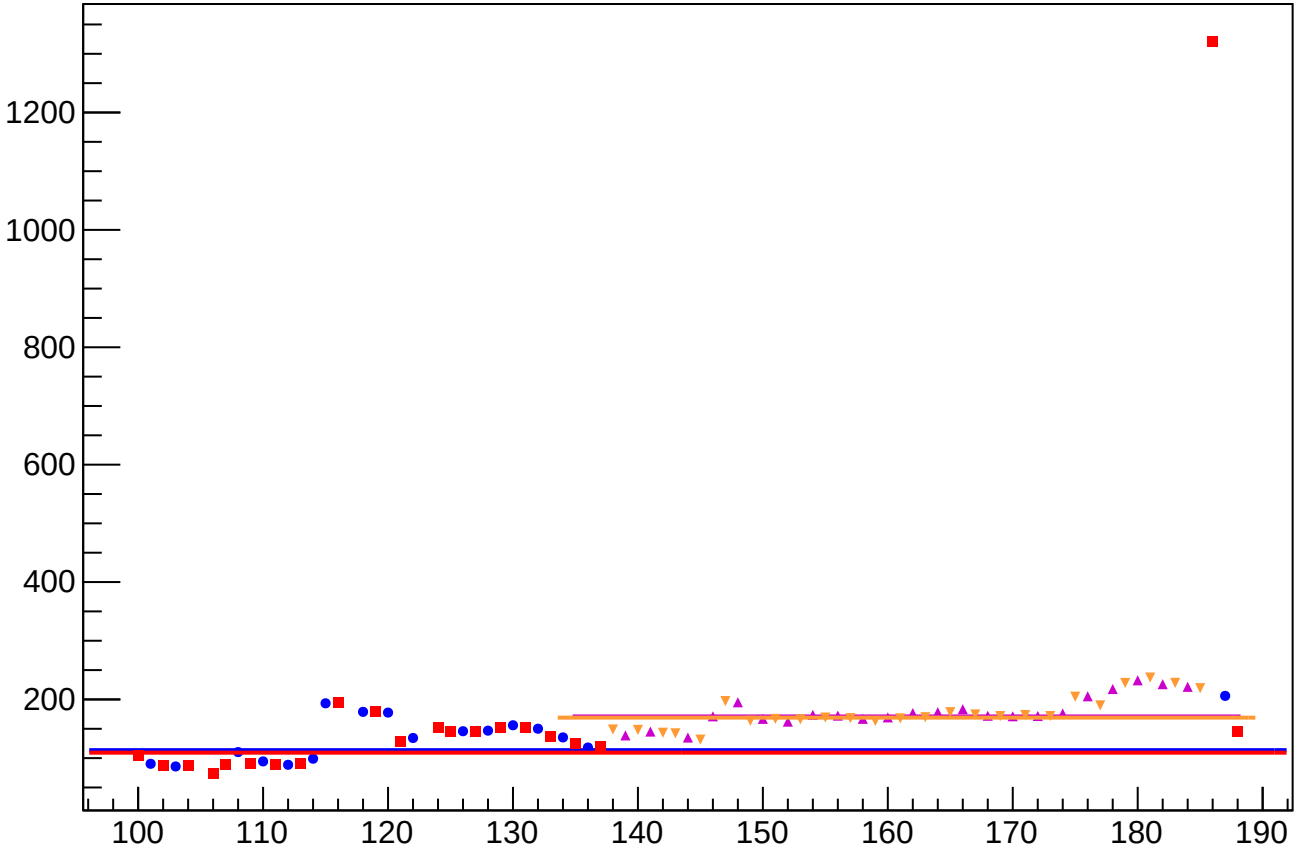
Right: 62.321+/-29.006 χ^2/NDF: 26.4/37

In: 116.968+/-29.520 χ^2/NDF:45.3/39

Out: 133.388+/-27.554 χ^2/NDF:44.9/45

All: 125.743+/-20.143 χ^2/NDF: 90.4/85

dit_asym_sam5_rms vs Slug, Sign Corrected



Right In: 113.615+/-0.031 χ^2/NDF: 948579.4/16

Left Out: 169.009+/-0.027 χ^2/NDF:773937.9/24

Right Out: 109.303+/-0.028 χ^2/NDF: 1814648.2/20

Left In: 171.021+/-0.029 χ^2/NDF:678106.1/22

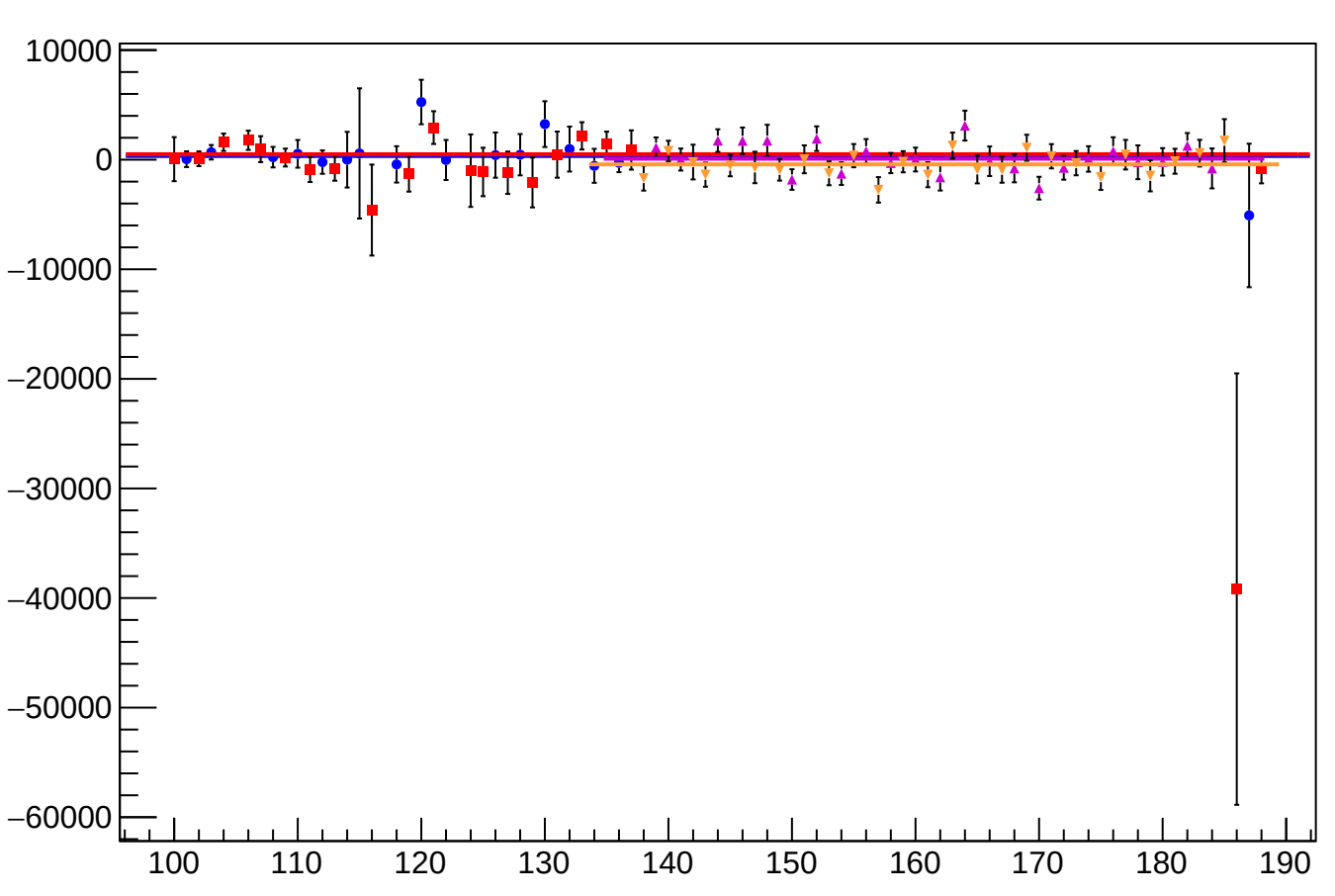
Left: 169.976+/-0.020 χ^2/NDF: 1454622.7/47

Right: 111.242+/-0.021 χ^2/NDF: 2774167.1/37

In: 144.289+/-0.021 χ^2/NDF:3508635.7/39

Out: 139.356+/-0.019 χ^2/NDF:4936163.0/45

All: 141.653+/-0.014 χ^2/NDF: 8474645.3/85



Right In: 337.315+/-304.996 χ^2/NDF: 10.5/16

Left Out: -425.819+/-232.561 χ^2/NDF:18.4/24

Right Out: 497.137+/-273.069 χ^2/NDF: 23.5/20

Left In: 86.486+/-238.155 χ^2/NDF:32.4/22

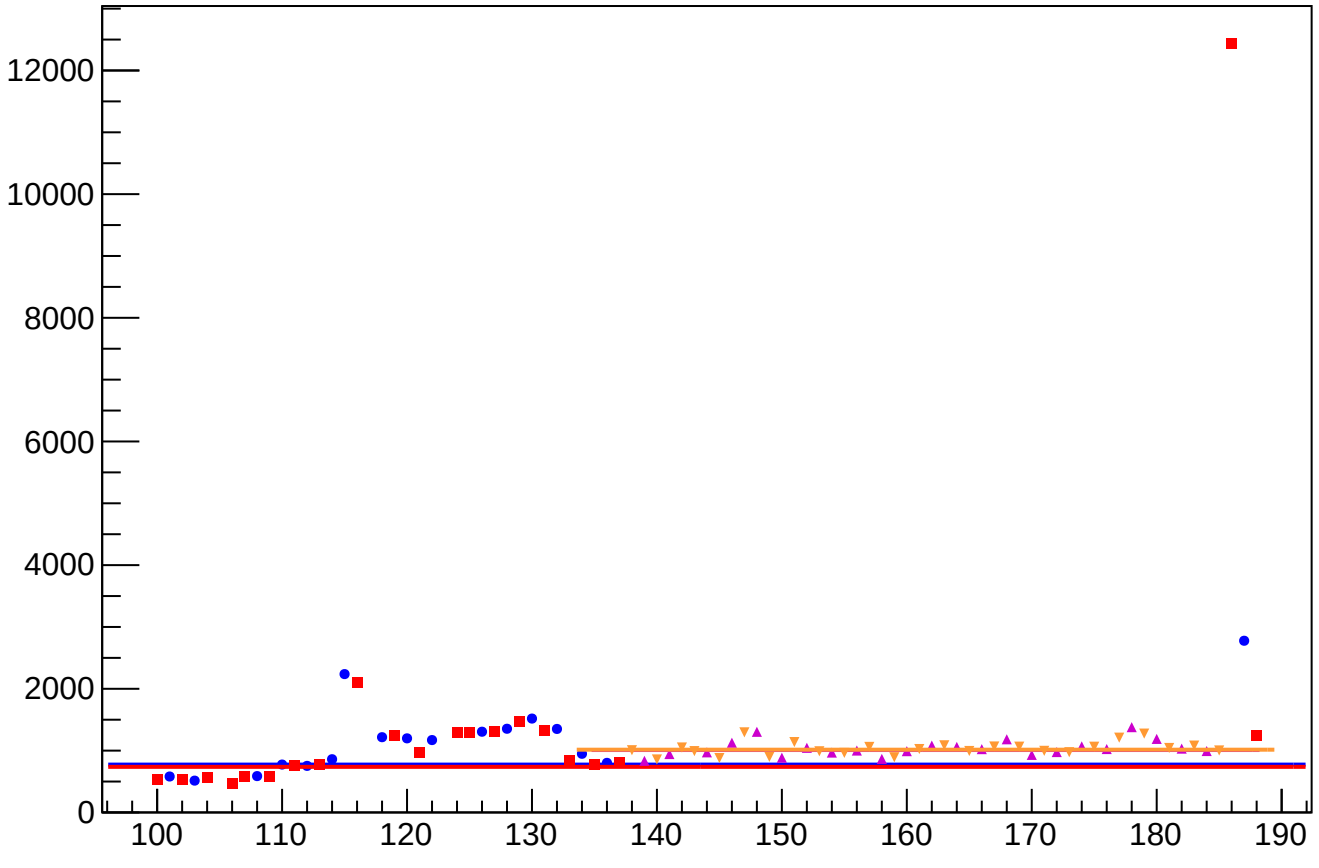
Left: -175.754+/-166.388 χ^2/NDF: 53.2/47

Right: 426.026+/-203.444 χ^2/NDF: 34.1/37

In: 181.493+/-187.709 χ^2/NDF:43.3/39

Out: -37.812+/-177.052 χ^2/NDF:48.5/45

All: 65.439+/-128.798 χ^2/NDF: 92.5/85



Right In: 773.915+/-0.216 χ^2/NDF: 1927628.2/16

Left Out: 1015.046+/-0.164 χ^2/NDF:397966.2/24

Right Out: 737.687+/-0.193 χ^2/NDF: 2780672.3/20

Left In: 1009.672+/-0.168 χ^2/NDF:498783.5/22

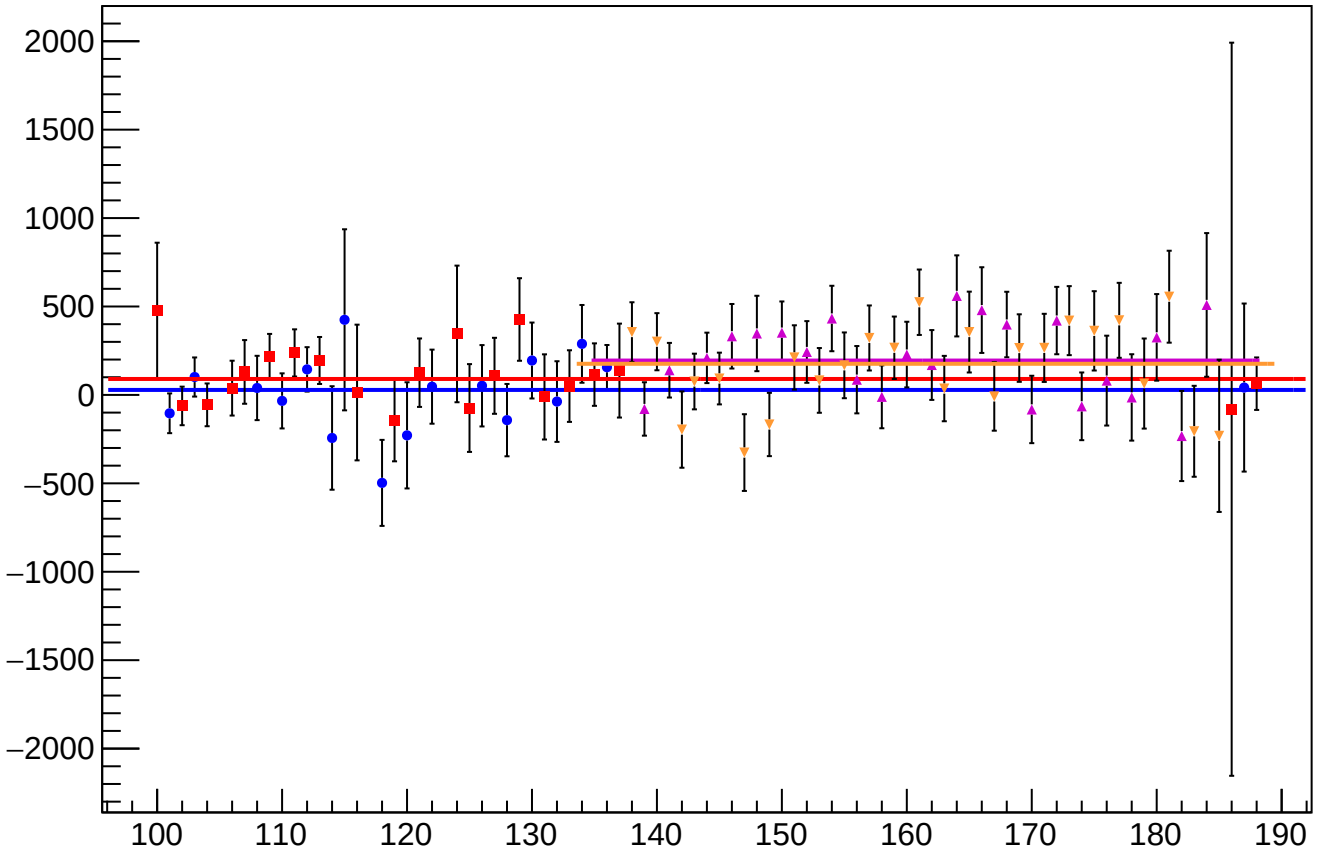
Left: 1012.423+/-0.118 χ^2/NDF: 897271.1/47

Right: 753.807+/-0.144 χ^2/NDF: 4723963.4/37

In: 920.374+/-0.133 χ^2/NDF:3168778.5/39

Out: 898.446+/-0.125 χ^2/NDF:4374552.2/45

All: 908.770+/-0.091 χ^2/NDF: 7557774.4/85



Right In: 28.205+/-43.258 χ^2/NDF: 13.6/16

Left Out: 176.011+/-38.838 χ^2/NDF:30.8/24

Right Out: 90.191+/-39.098 χ^2/NDF: 11.7/20

Left In: 194.324+/-40.384 χ^2/NDF:23.8/22

Left: 184.810+/-27.993 χ^2/NDF: 54.7/47

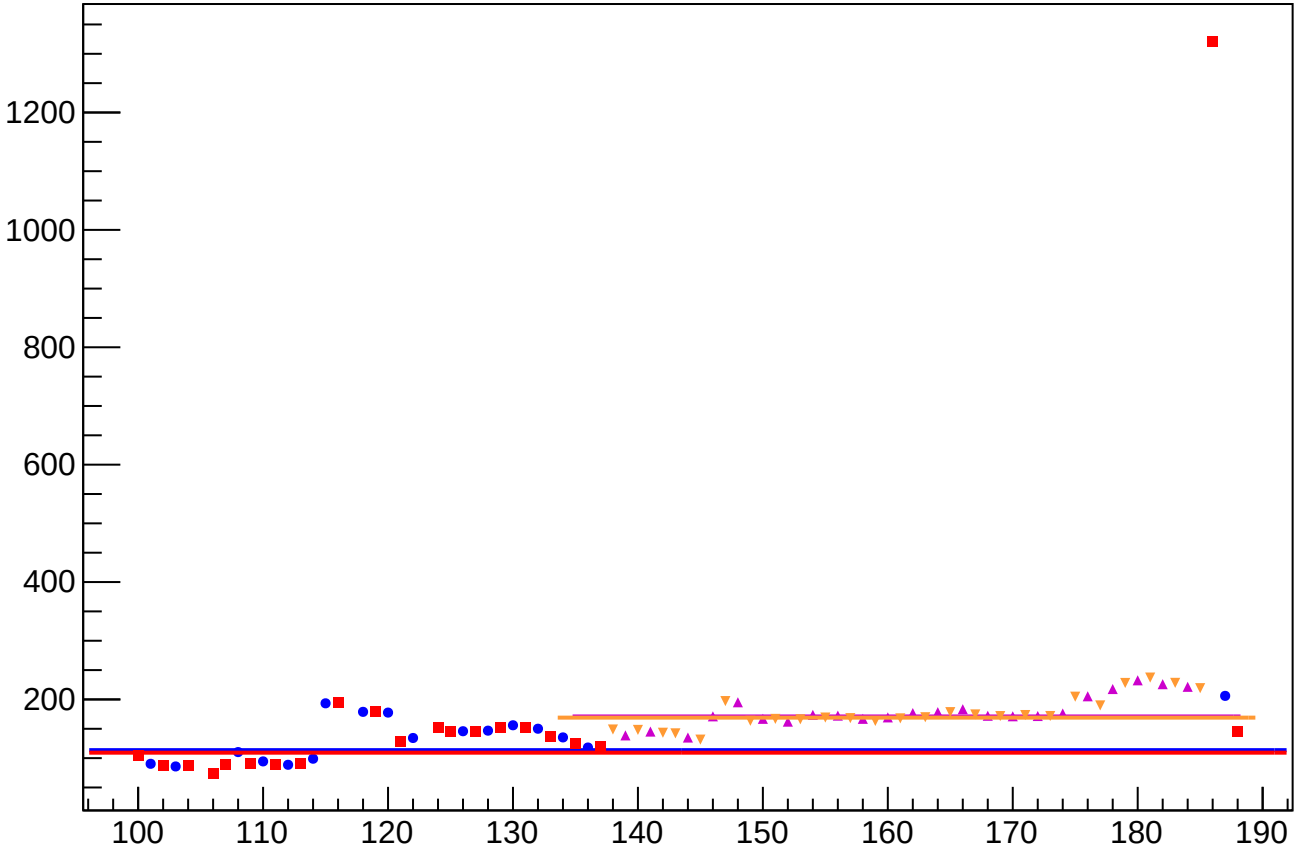
Right: 62.321+/-29.006 χ^2/NDF: 26.4/37

In: 116.967+/-29.520 χ^2/NDF:45.3/39

Out: 133.388+/-27.554 χ^2/NDF:44.9/45

All: 125.742+/-20.143 χ^2/NDF: 90.4/85

eigen_dit_asym_sam5_rms vs Slug, Sign Corrected



Right In: 113.615+/-0.031 χ^2/NDF: 948575.2/16

Left Out: 169.009+/-0.027 χ^2/NDF:773925.9/24

Right Out: 109.303+/-0.028 χ^2/NDF: 1814640.0/20

Left In: 171.021+/-0.029 χ^2/NDF:678096.1/22

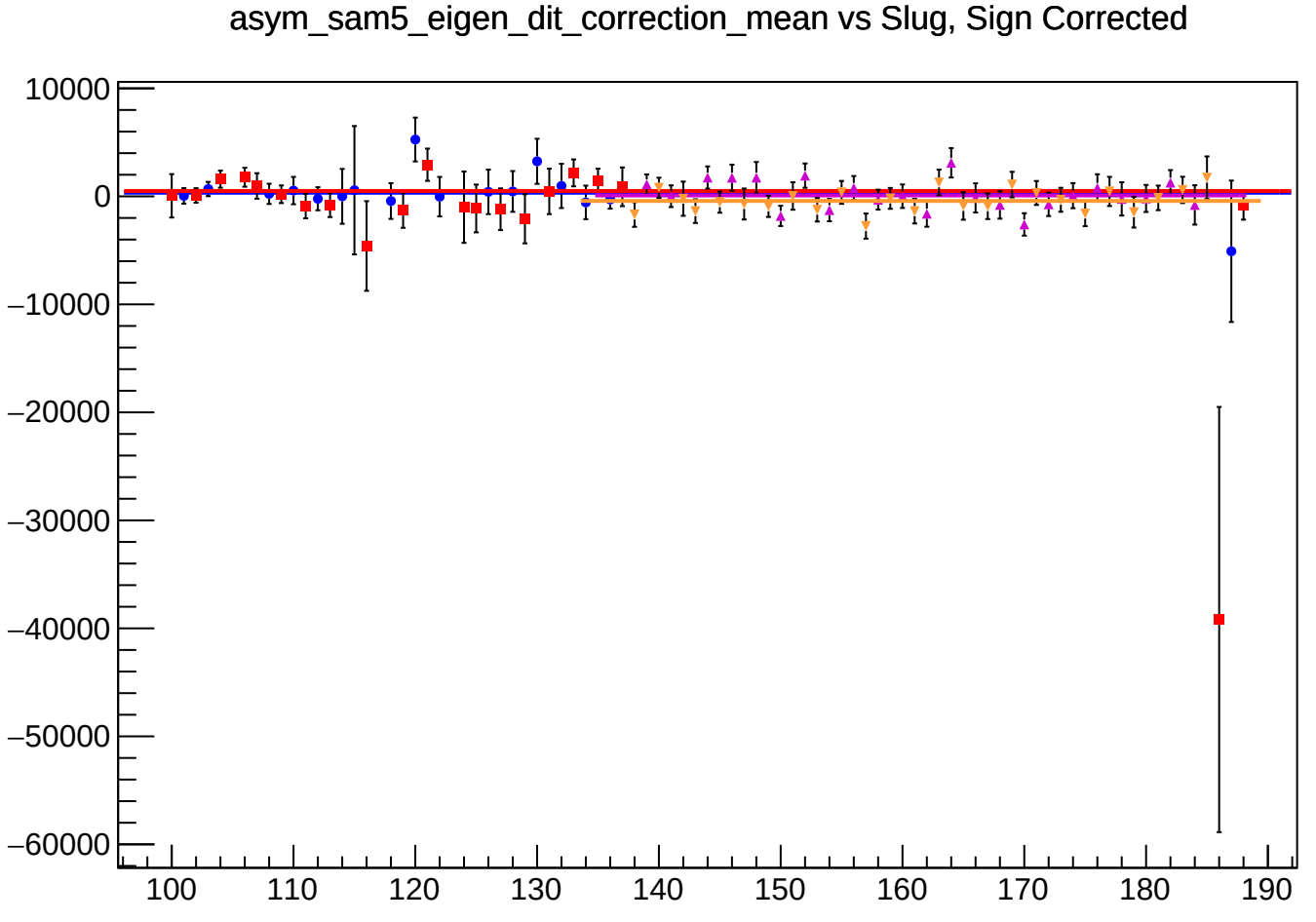
Left: 169.976+/-0.020 χ^2/NDF: 1454601.1/47

Right: 111.242+/-0.021 χ^2/NDF: 2774154.2/37

In: 144.289+/-0.021 χ^2/NDF:3508661.9/39

Out: 139.356+/-0.019 χ^2/NDF:4936169.9/45

All: 141.653+/-0.014 χ^2/NDF: 8474678.5/85



Right In: 337.314+/-304.996 χ^2/NDF: 10.5/16

Left Out: -425.818+/-232.561 χ^2/NDF:18.4/24

Right Out: 497.138+/-273.069 χ^2/NDF: 23.5/20

Left In: 86.487+/-238.155 χ^2/NDF:32.4/22

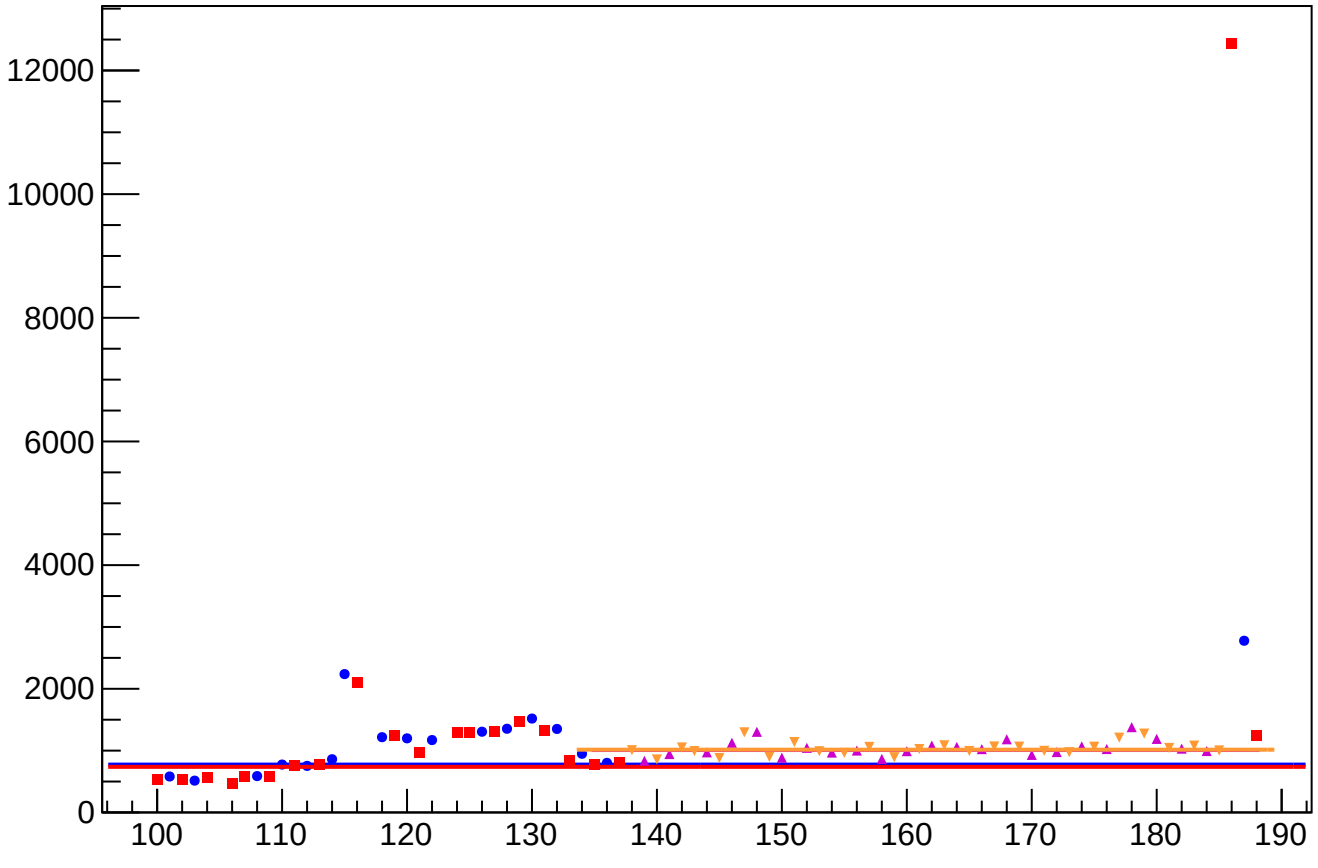
Left: -175.753+/-166.388 χ^2/NDF: 53.2/47

Right: 426.026+/-203.443 χ^2/NDF: 34.1/37

In: 181.493+/-187.709 χ^2/NDF:43.3/39

Out: -37.810+/-177.052 χ^2/NDF:48.5/45

All: 65.440+/-128.798 χ^2/NDF: 92.5/85



Right In: 773.914+/-0.216 χ^2/NDF: 1927625.4/16

Left Out: 1015.047+/-0.164 χ^2/NDF:397964.6/24

Right Out: 737.686+/-0.193 χ^2/NDF: 2780670.1/20

Left In: 1009.673+/-0.168 χ^2/NDF:498783.6/22

Left: 1012.424+/-0.118 χ^2/NDF: 897269.4/47

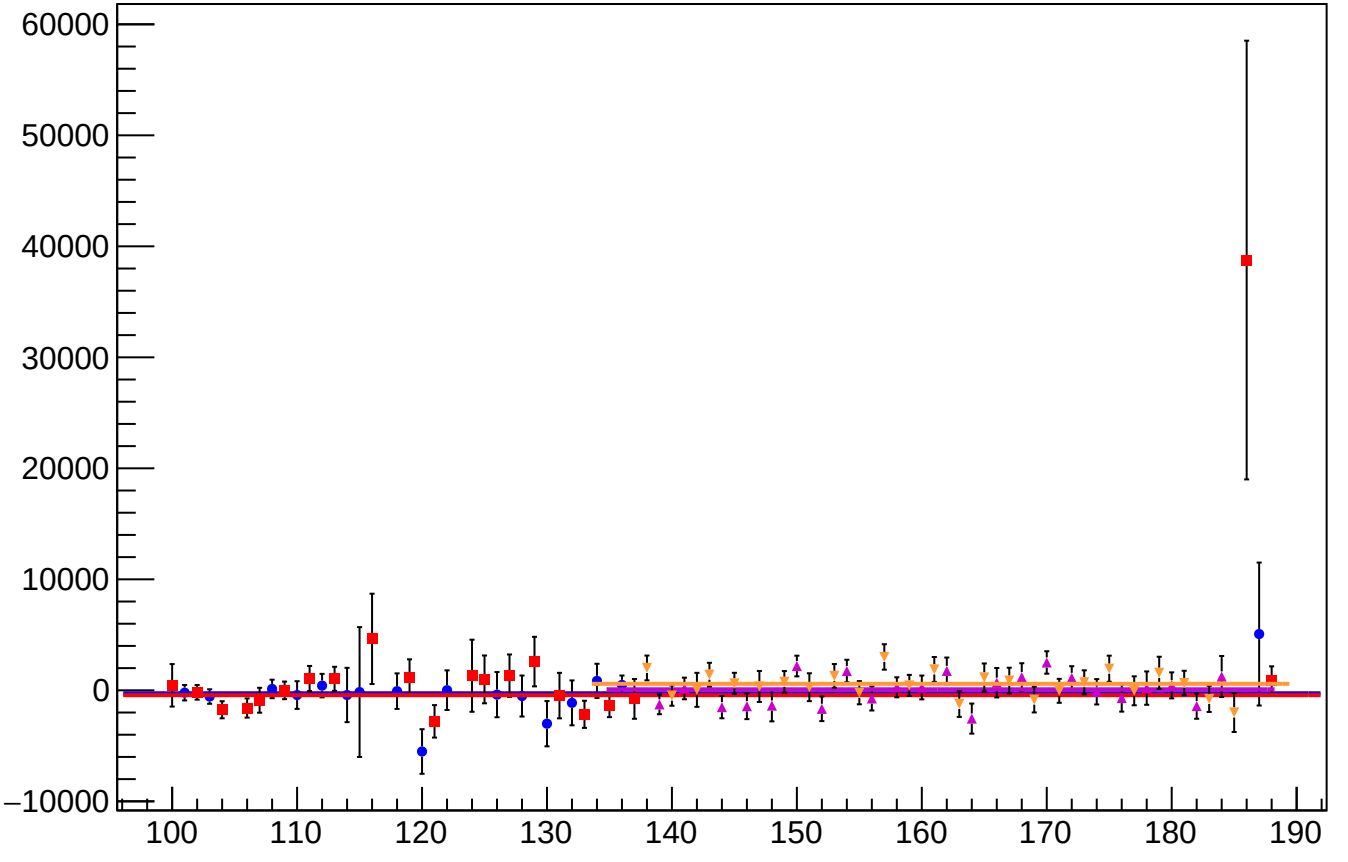
Right: 753.805+/-0.144 χ^2/NDF: 4723958.3/37

In: 920.374+/-0.133 χ^2/NDF:3168792.7/39

Out: 898.445+/-0.125 χ^2/NDF:4374567.9/45

All: 908.770+/-0.091 χ^2/NDF: 7557804.4/85

asym_sam5_mean vs Slug, Sign Corrected



Right In: -264.873+/-296.394 χ^2/NDF: 11.7/16

Left Out: 586.188+/-227.585 χ^2/NDF:20.8/24

Right Out: -436.927+/-267.118 χ^2/NDF: 25.5/20

Left In: 92.688+/-233.019 χ^2/NDF:34.6/22

Left: 345.259+/-162.814 χ^2/NDF: 57.6/47

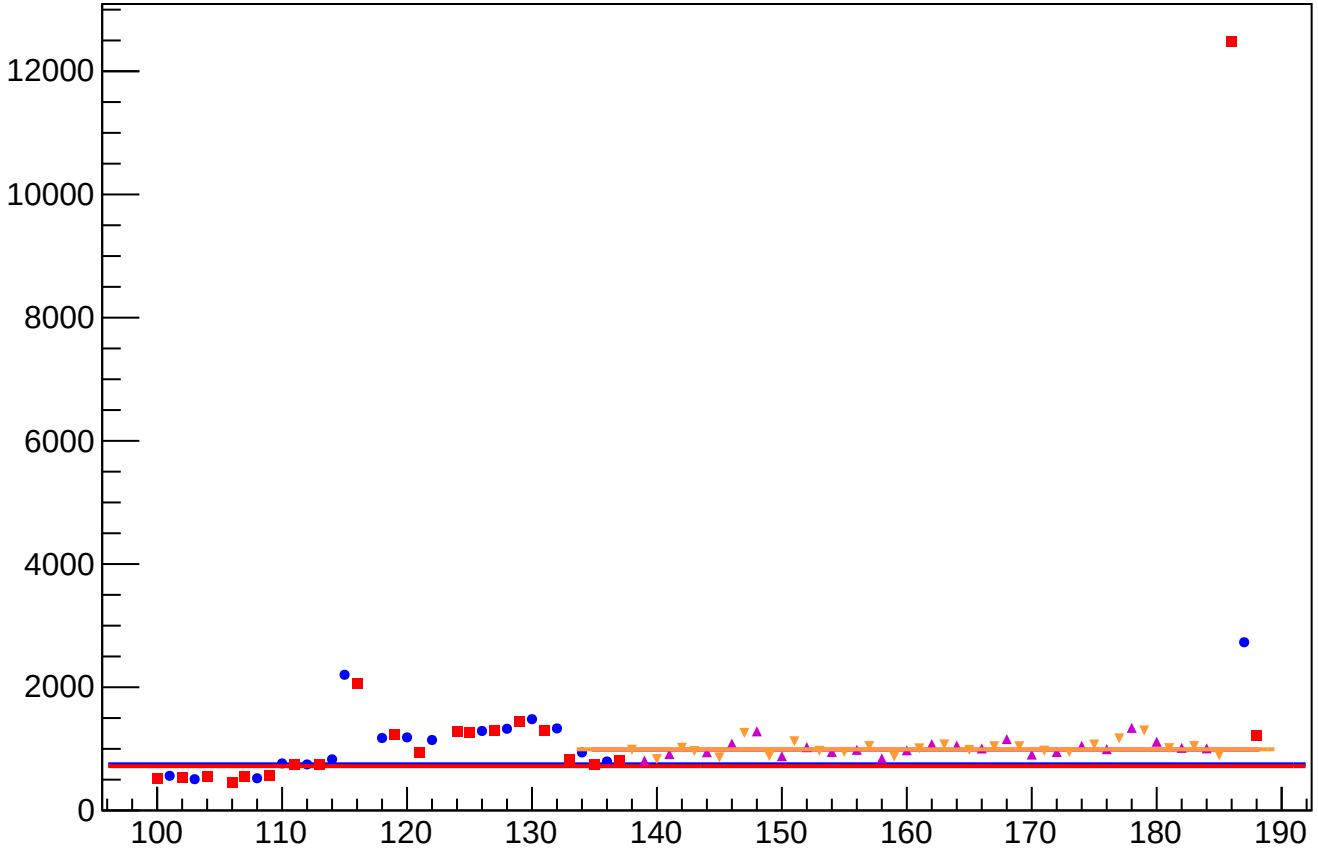
Right: -359.815+/-198.426 χ^2/NDF: 37.4/37

In: -43.895+/-183.186 χ^2/NDF:47.2/39

Out: 155.872+/-173.235 χ^2/NDF:54.7/45

All: 61.561+/-125.866 χ^2/NDF: 102.6/85

asym_sam5_rms vs Slug, Sign Corrected



Right In: 748.989+/-0.210 χ^2/NDF: 2012318.0/16

Left Out: 992.549+/-0.161 χ^2/NDF:424899.6/24

Right Out: 718.970+/-0.189 χ^2/NDF: 2831462.4/20

Left In: 987.784+/-0.165 χ^2/NDF:487733.2/22

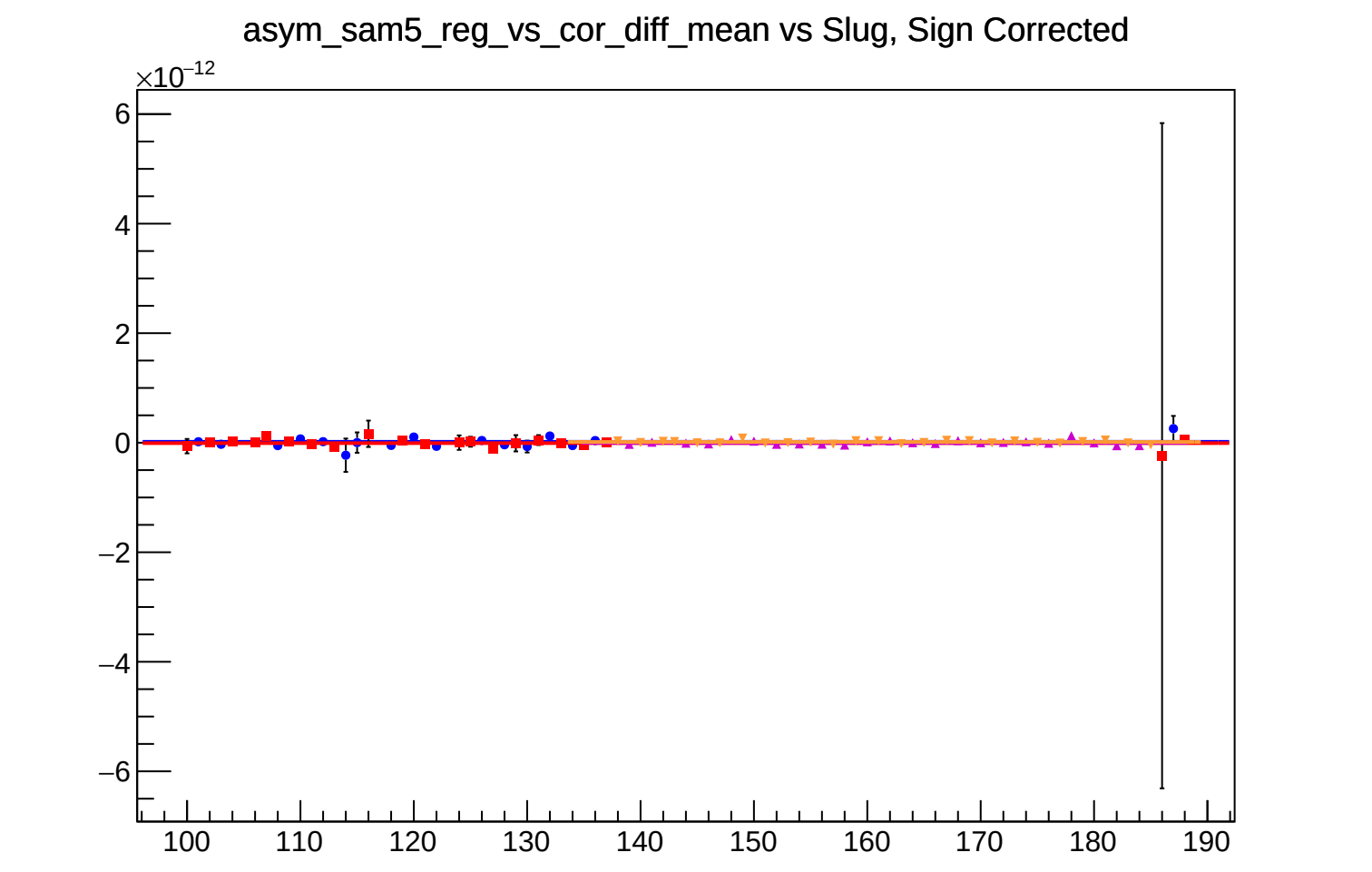
Left: 990.223+/-0.115 χ^2/NDF: 913060.8/47

Right: 732.424+/-0.140 χ^2/NDF: 4855101.0/37

In: 896.568+/-0.130 χ^2/NDF:3302361.1/39

Out: 877.483+/-0.122 χ^2/NDF:4471905.6/45

All: 886.493+/-0.089 χ^2/NDF: 7785726.5/85



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/16

Left Out: 0.000+/-0.000 χ^2/NDF:23.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 15.2/20

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

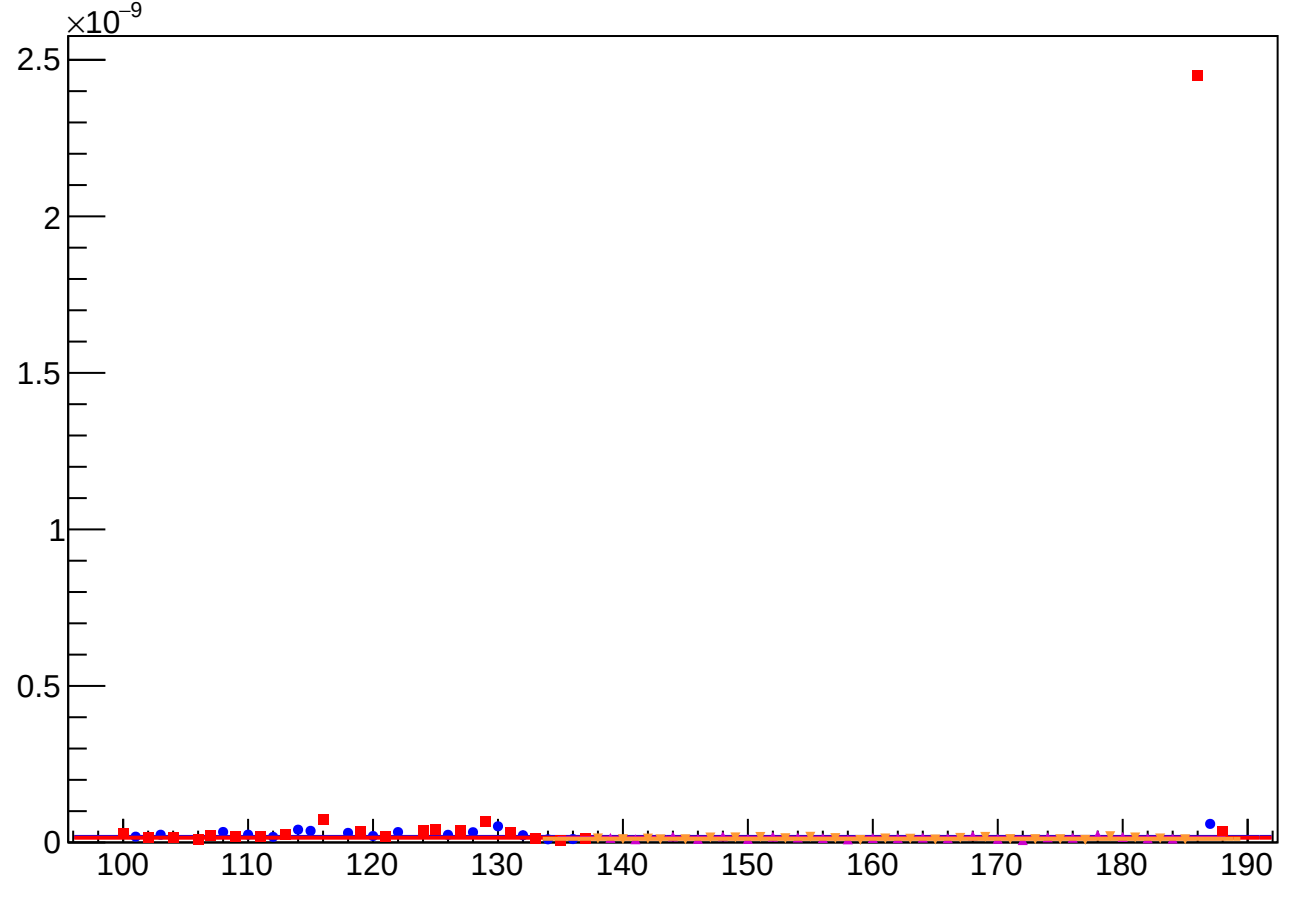
Left: 0.000+/-0.000 χ^2/NDF: 56.5/47

Right: 0.000+/-0.000 χ^2/NDF: 37.2/37

In: 0.000+/-0.000 χ^2/NDF:49.8/39

Out: 0.000+/-0.000 χ^2/NDF:42.6/45

All: 0.000+/-0.000 χ^2/NDF: 94.0/85



Right In: 0.000+/-0.000 χ^2/NDF: 1221672.9/16

Left Out: 0.000+/-0.000 χ^2/NDF:762184.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2298354.5/20

Left In: 0.000+/-0.000 χ^2/NDF:853838.4/22

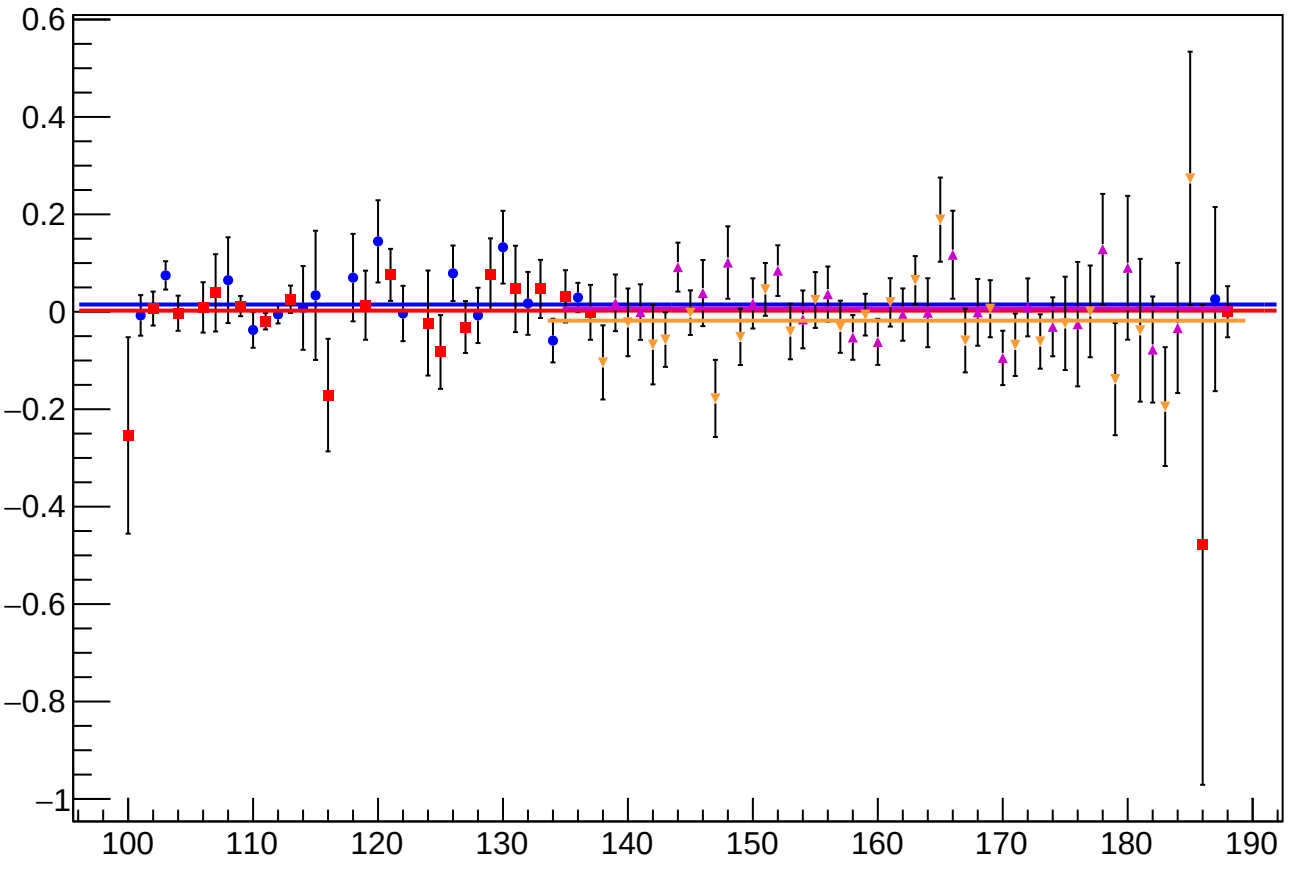
Left: 0.000+/-0.000 χ^2/NDF: 1727958.5/47

Right: 0.000+/-0.000 χ^2/NDF: 3579050.8/37

In: 0.000+/-0.000 χ^2/NDF:2327855.3/39

Out: 0.000+/-0.000 χ^2/NDF:3292420.3/45

All: 0.000+/-0.000 χ^2/NDF: 5789830.9/85



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/16

Left Out: -0.018+/-0.013 χ^2/NDF:24.3/24

Right Out: 0.002+/-0.009 χ^2/NDF: 13.4/20

Left In: 0.007+/-0.013 χ^2/NDF:18.7/22

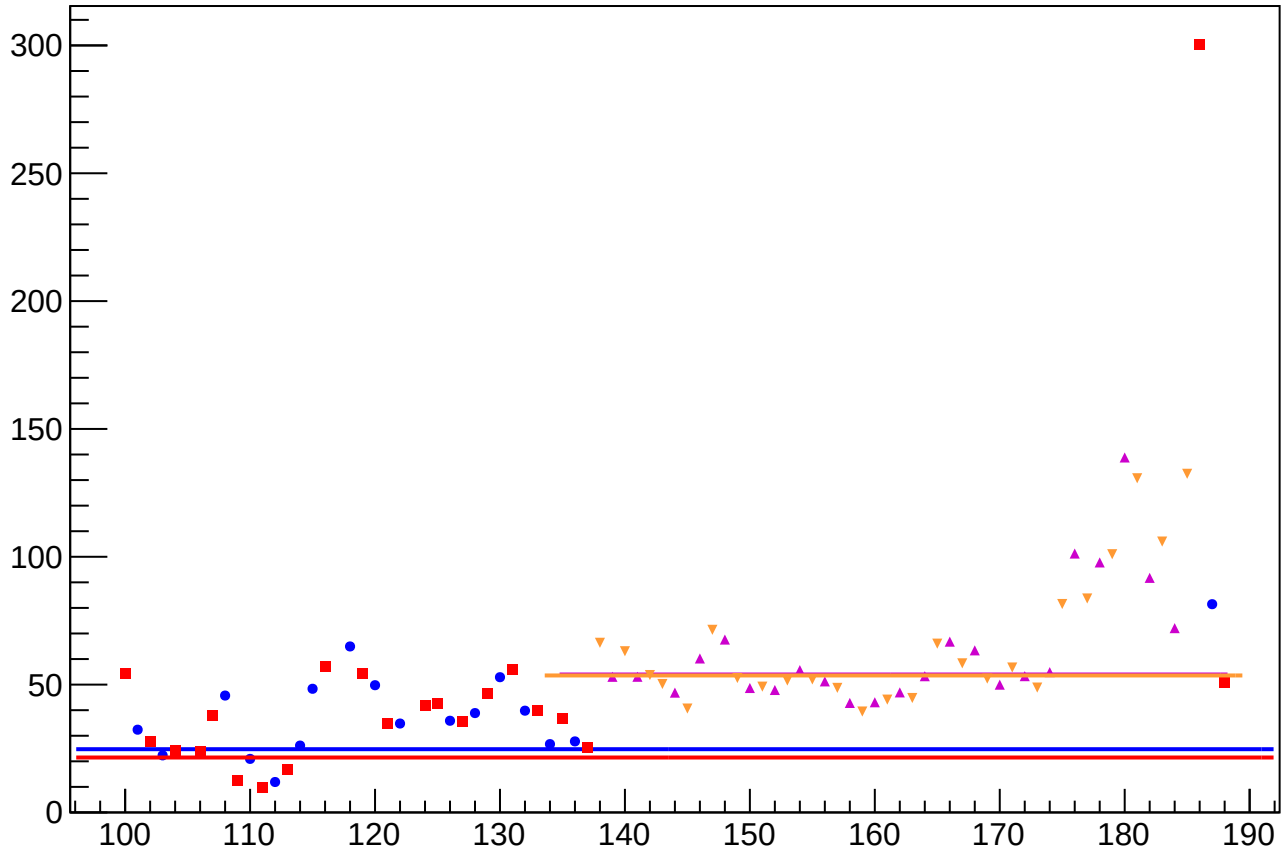
Left: -0.006+/-0.009 χ^2/NDF: 44.9/47

Right: 0.008+/-0.007 χ^2/NDF: 32.0/37

In: 0.012+/-0.008 χ^2/NDF:36.7/39

Out: -0.004+/-0.007 χ^2/NDF:39.5/45

All: 0.003+/-0.006 χ^2/NDF: 78.3/85



Right In: 24.744+/-0.007 χ^2/NDF: 2665280.8/16

Left Out: 53.582+/-0.009 χ^2/NDF:2642509.0/24

Right Out: 21.490+/-0.006 χ^2/NDF: 4871513.4/20

Left In: 53.961+/-0.009 χ^2/NDF:2039530.1/22

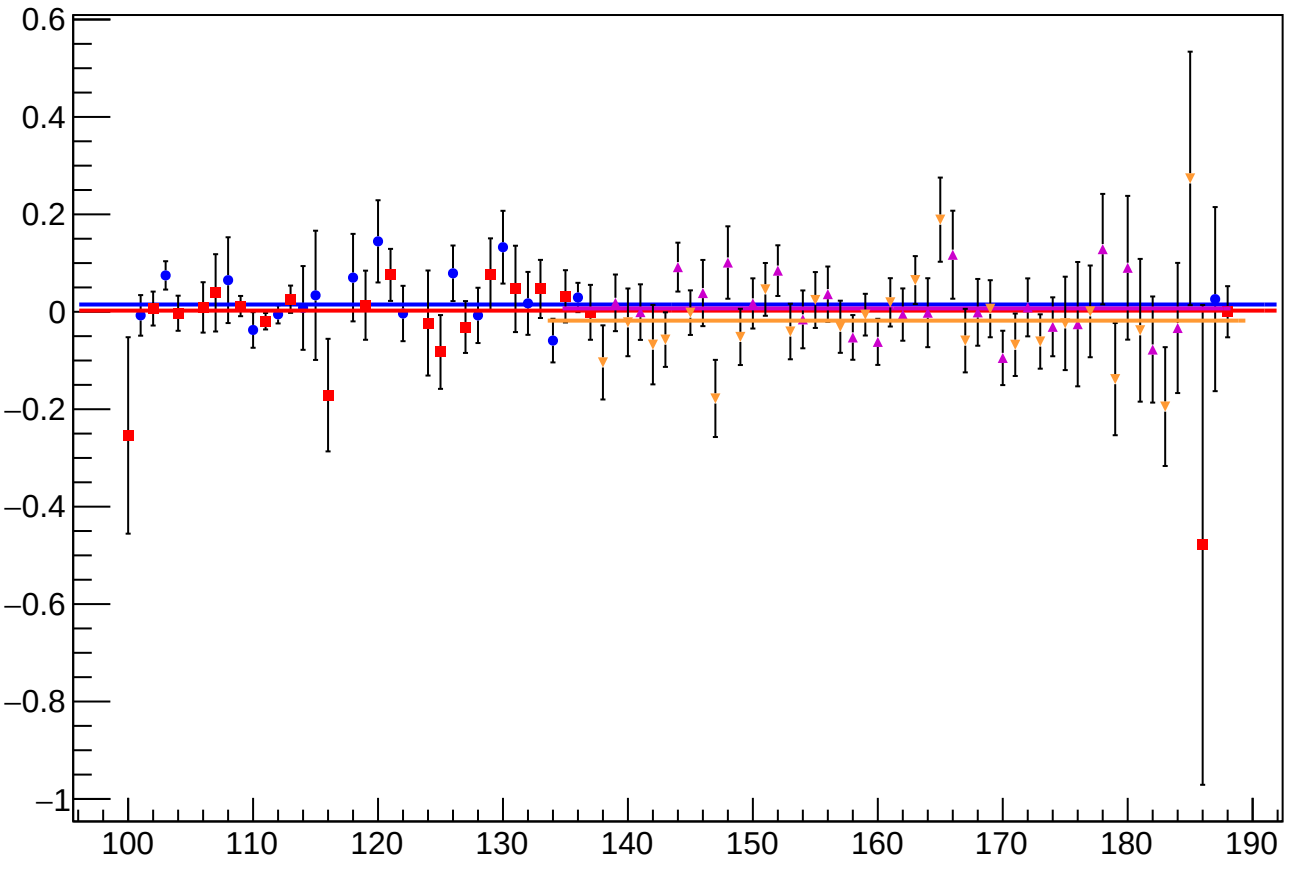
Left: 53.766+/-0.006 χ^2/NDF: 4682889.4/47

Right: 22.873+/-0.005 χ^2/NDF: 7645793.1/37

In: 36.167+/-0.006 χ^2/NDF:10678480.0/39

Out: 32.241+/-0.005 χ^2/NDF:15873491.3/45

All: 33.994+/-0.004 χ^2/NDF: 26802794.4/85



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/16

Left Out: -0.018+/-0.013 χ^2/NDF:24.3/24

Right Out: 0.002+/-0.009 χ^2/NDF: 13.4/20

Left In: 0.007+/-0.013 χ^2/NDF:18.7/22

Left: -0.006+/-0.009 χ^2/NDF: 44.9/47

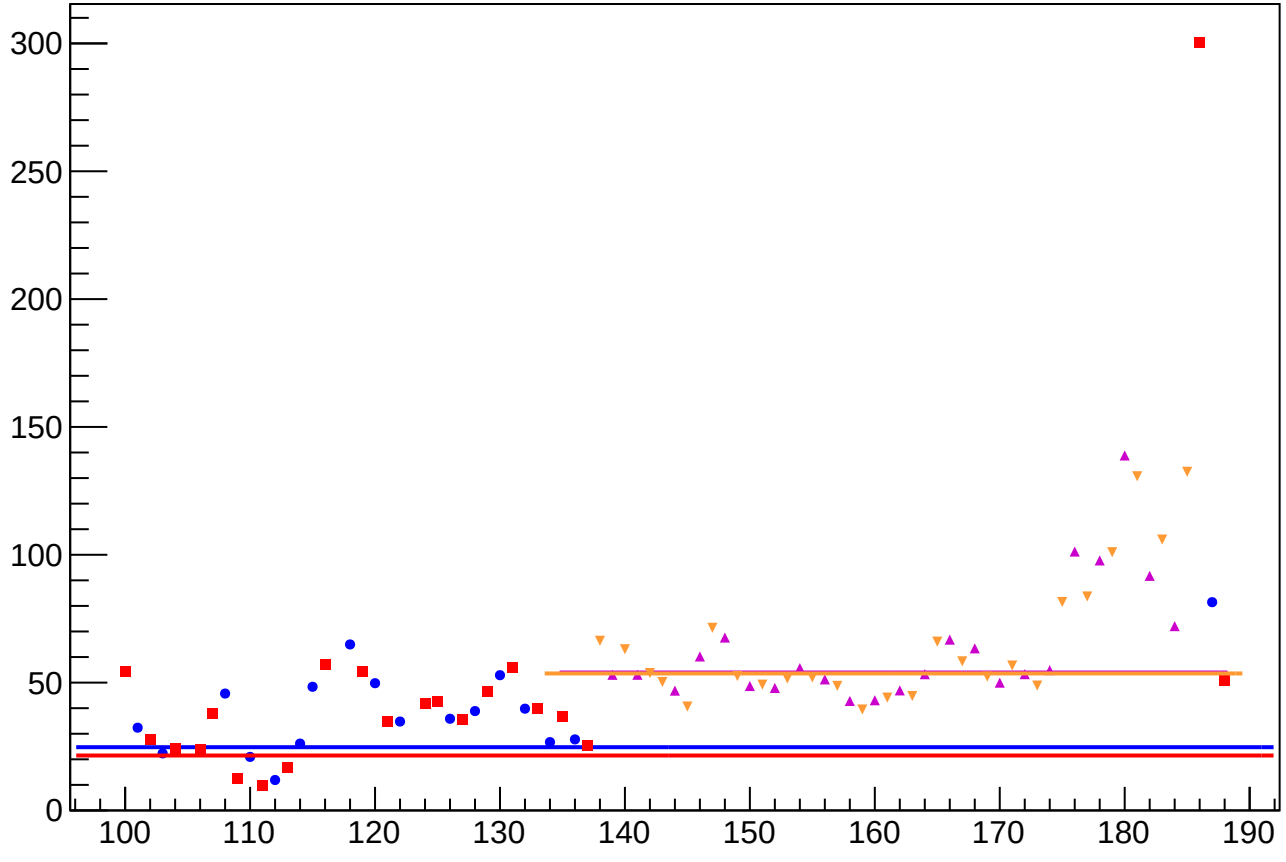
Right: 0.008+/-0.007 χ^2/NDF: 32.0/37

In: 0.012+/-0.008 χ^2/NDF:36.7/39

Out: -0.004+/-0.007 χ^2/NDF:39.5/45

All: 0.003+/-0.006 χ^2/NDF: 78.3/85

asym_sam5_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 24.744+/-0.007 χ^2/NDF: 2665280.8/16

Left Out: 53.582+/-0.009 χ^2/NDF:2642509.0/24

Right Out: 21.490+/-0.006 χ^2/NDF: 4871513.4/20

Left In: 53.961+/-0.009 χ^2/NDF:2039530.1/22

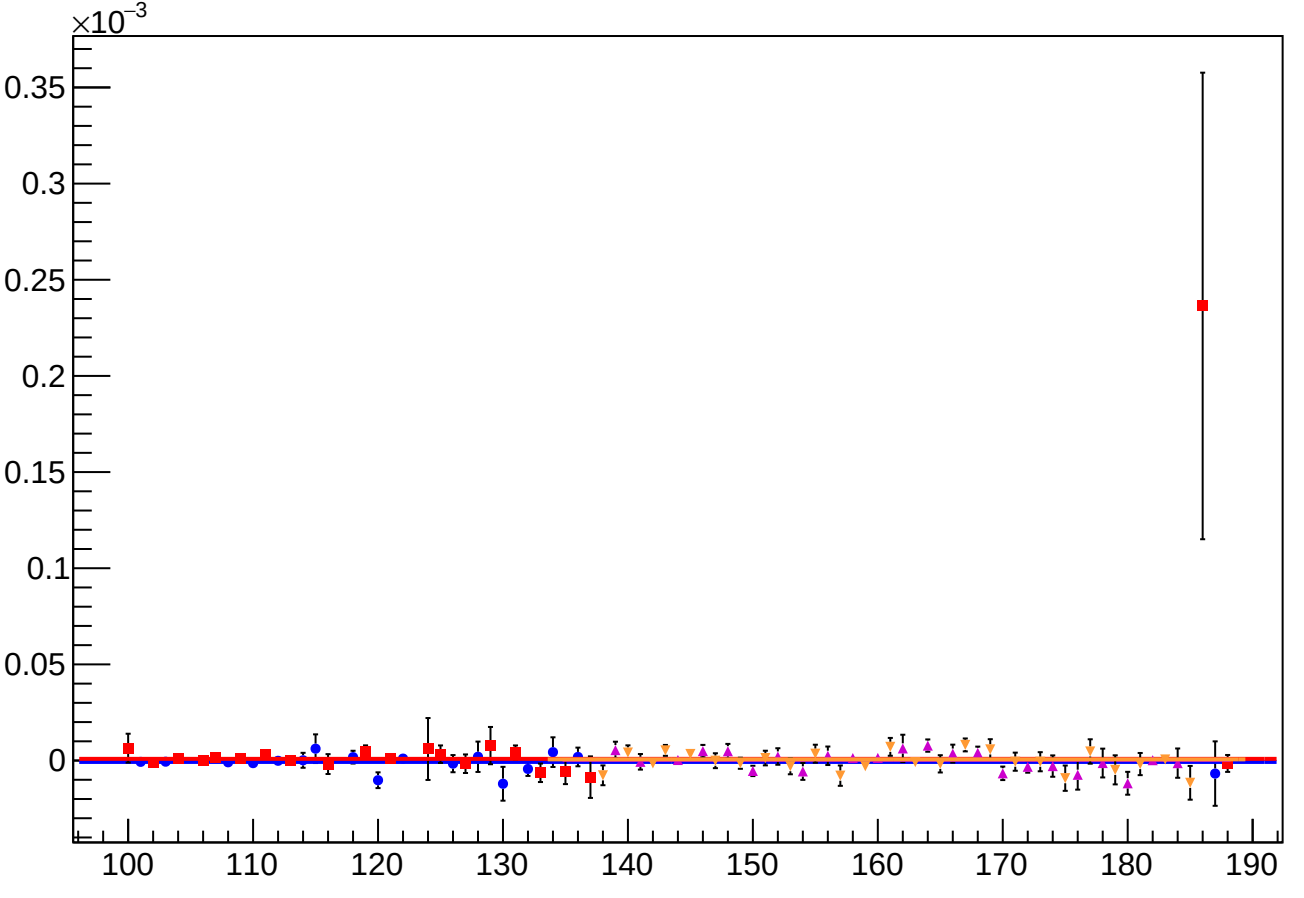
Left: 53.766+/-0.006 χ^2/NDF: 4682889.4/47

Right: 22.873+/-0.005 χ^2/NDF: 7645793.1/37

In: 36.167+/-0.006 χ^2/NDF:10678480.0/39

Out: 32.241+/-0.005 χ^2/NDF:15873491.3/45

All: 33.994+/-0.004 χ^2/NDF: 26802794.4/85



Right In: -0.000+/-0.000 χ^2/NDF: 11.4/16

Left Out: 0.000+/-0.000 χ^2/NDF:31.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 15.9/20

Left In: 0.000+/-0.000 χ^2/NDF:30.9/22

Left: 0.000+/-0.000 χ^2/NDF: 61.9/47

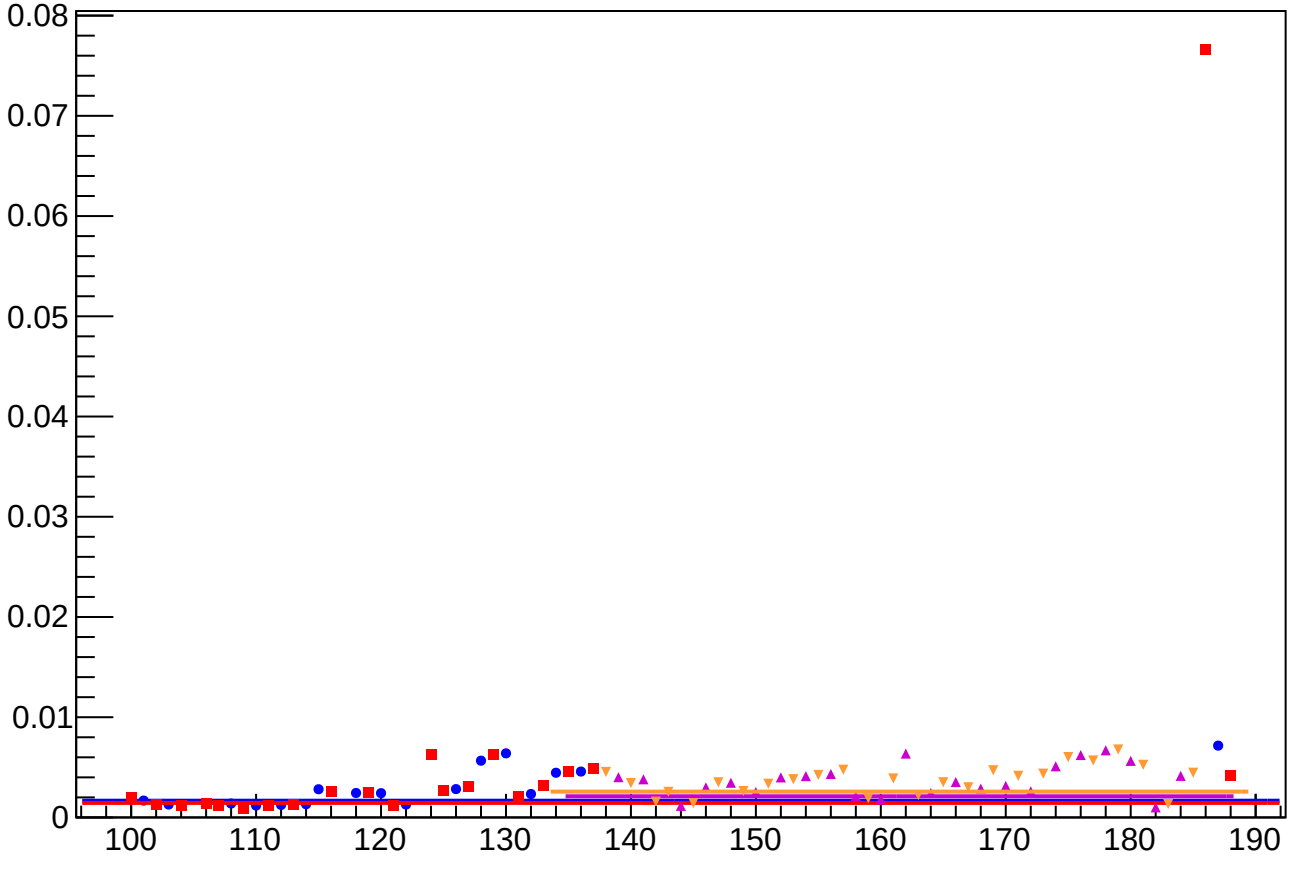
Right: 0.000+/-0.000 χ^2/NDF: 30.4/37

In: -0.000+/-0.000 χ^2/NDF:43.8/39

Out: 0.000+/-0.000 χ^2/NDF:47.0/45

All: 0.000+/-0.000 χ^2/NDF: 92.5/85

asym_sam5_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 3157565.5/16

Left Out: 0.003+/-0.000 χ^2/NDF:7112963.2/24

Right Out: 0.001+/-0.000 χ^2/NDF: 4465625.7/20

Left In: 0.002+/-0.000 χ^2/NDF:9487138.7/22

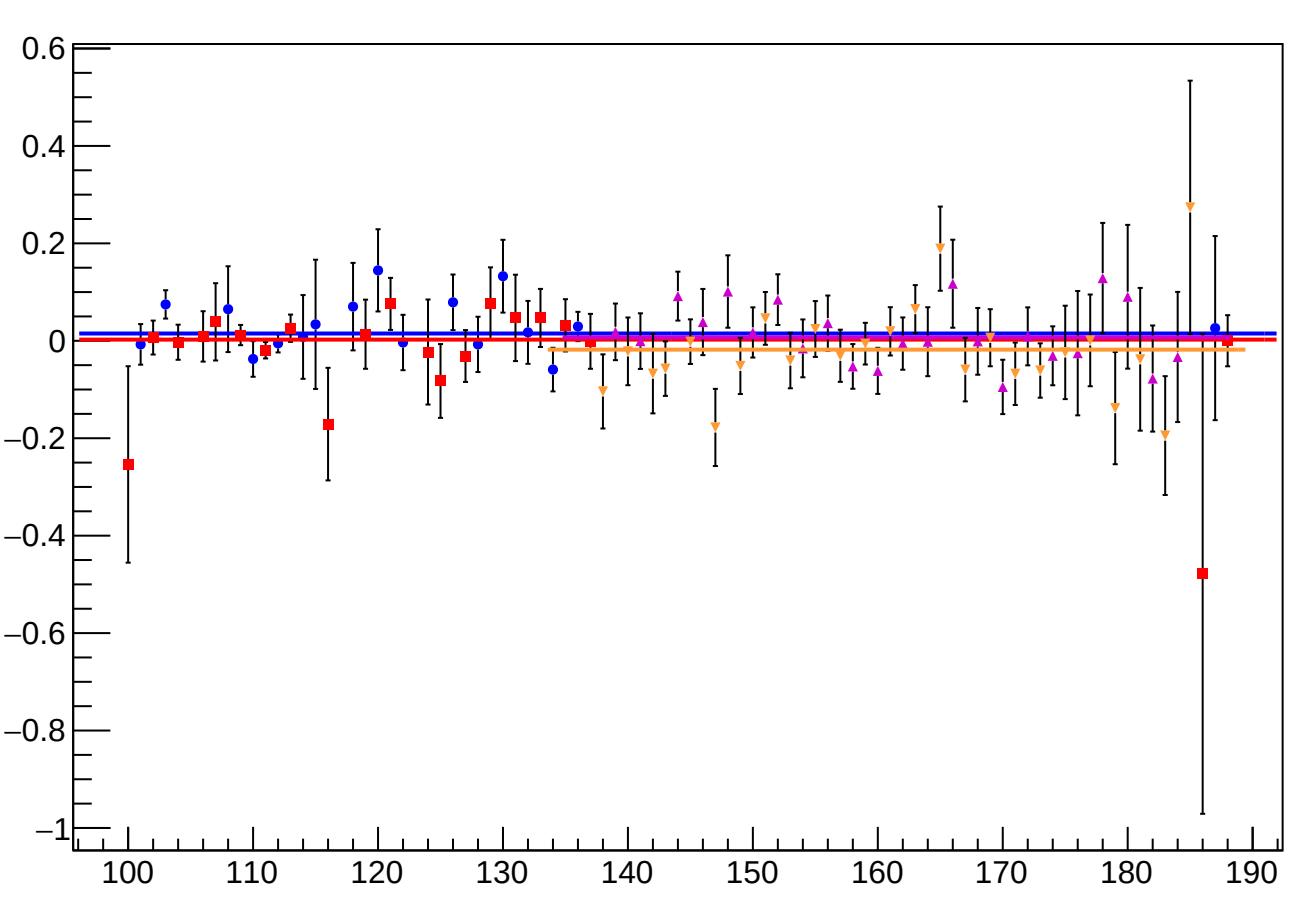
Left: 0.002+/-0.000 χ^2/NDF: 17155413.1/47

Right: 0.002+/-0.000 χ^2/NDF: 7739865.3/37

In: 0.002+/-0.000 χ^2/NDF:13116795.7/39

Out: 0.002+/-0.000 χ^2/NDF:14831383.6/45

All: 0.002+/-0.000 χ^2/NDF: 27948555.5/85



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/16

Left Out: -0.018+/-0.013 χ^2/NDF:24.3/24

Right Out: 0.002+/-0.009 χ^2/NDF: 13.4/20

Left In: 0.007+/-0.013 χ^2/NDF:18.7/22

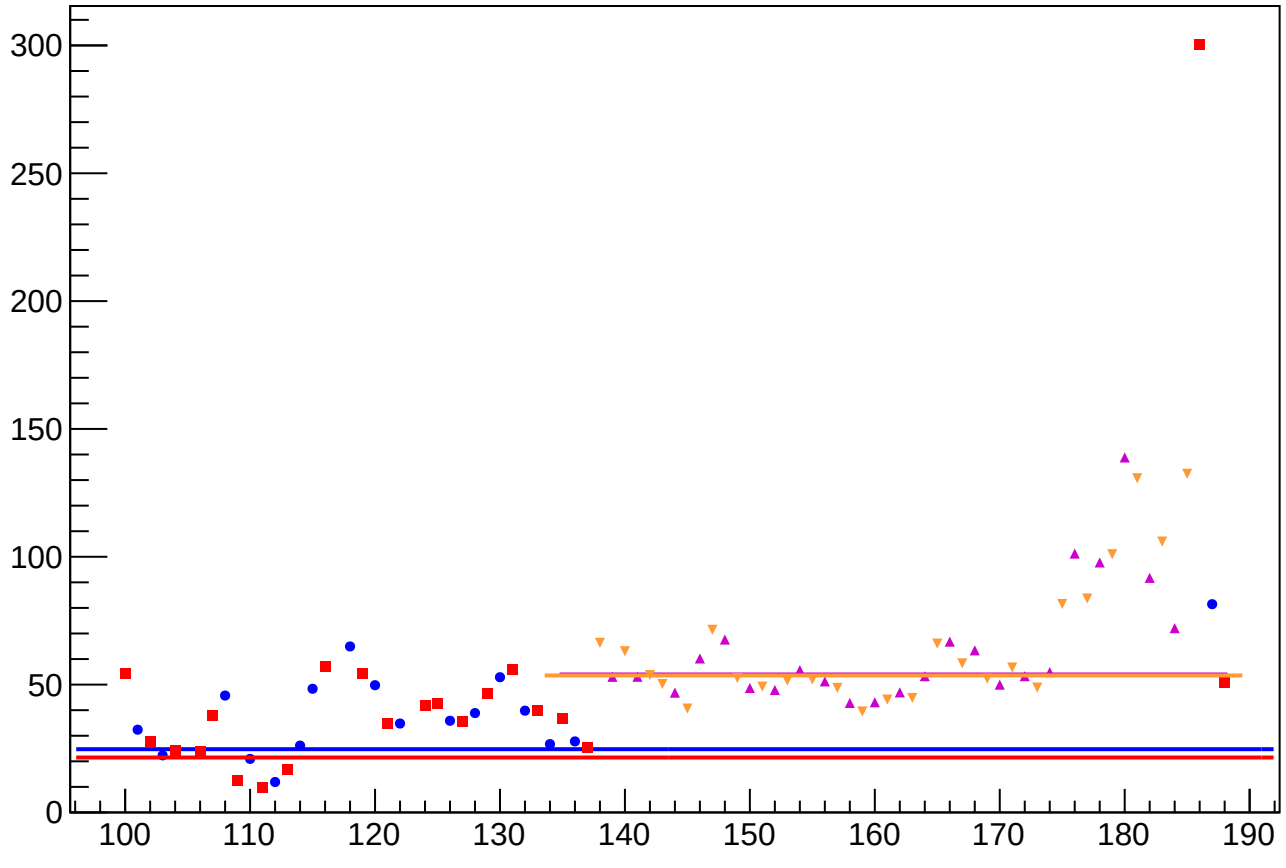
Left: -0.006+/-0.009 χ^2/NDF: 44.9/47

Right: 0.008+/-0.007 χ^2/NDF: 32.0/37

In: 0.012+/-0.008 χ^2/NDF:36.7/39

Out: -0.004+/-0.007 χ^2/NDF:39.5/45

All: 0.003+/-0.006 χ^2/NDF: 78.3/85



Right In: 24.744+/-0.007 χ^2/NDF: 2665195.2/16

Left Out: 53.582+/-0.009 χ^2/NDF:2642554.6/24

Right Out: 21.490+/-0.006 χ^2/NDF: 4871519.5/20

Left In: 53.961+/-0.009 χ^2/NDF:2039571.7/22

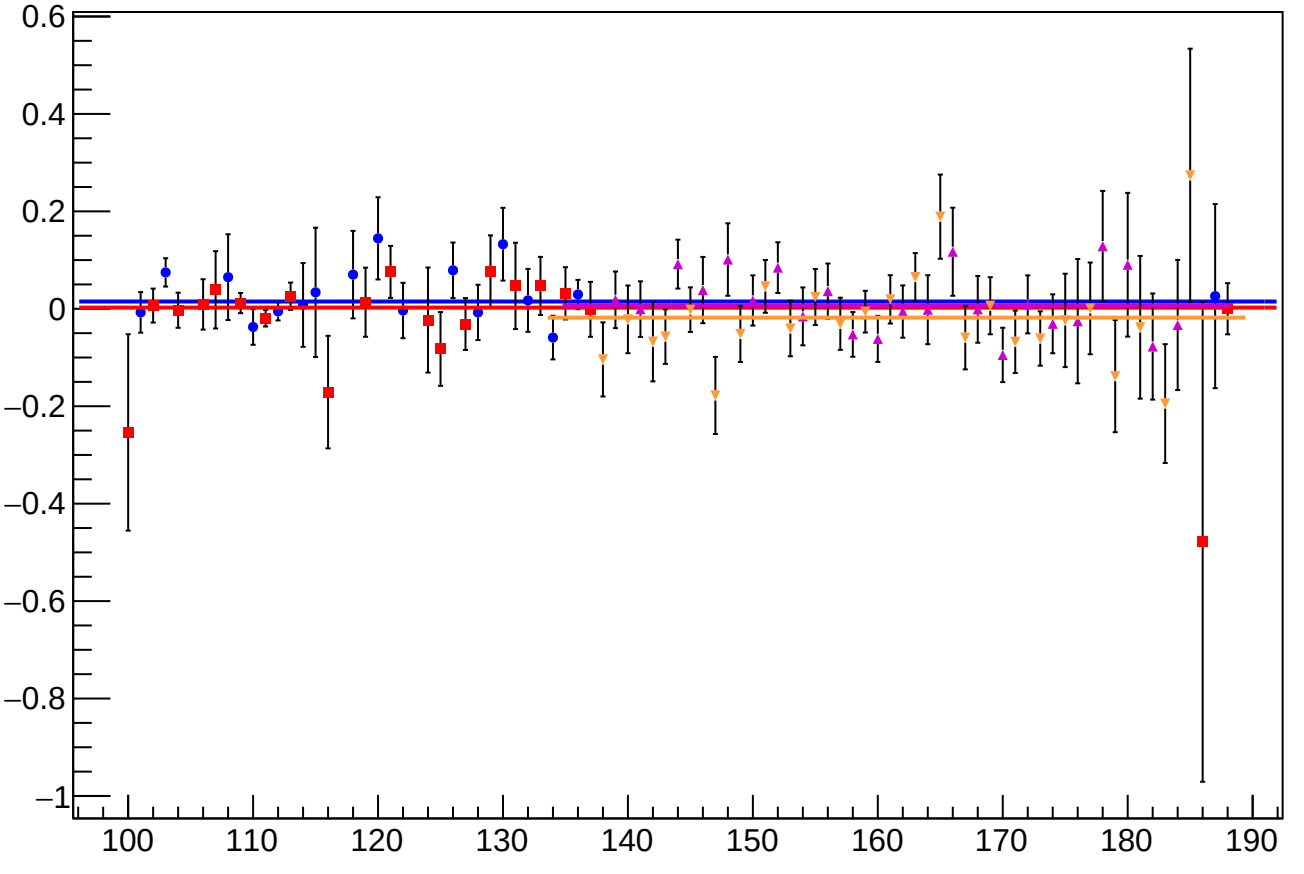
Left: 53.766+/-0.006 χ^2/NDF: 4682976.8/47

Right: 22.872+/-0.005 χ^2/NDF: 7645721.3/37

In: 36.167+/-0.006 χ^2/NDF:10678817.3/39

Out: 32.240+/-0.005 χ^2/NDF:15874025.9/45

All: 33.993+/-0.004 χ^2/NDF: 26803681.4/85



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/16

Left Out: -0.018+/-0.013 χ^2/NDF:24.3/24

Right Out: 0.002+/-0.009 χ^2/NDF: 13.4/20

Left In: 0.007+/-0.013 χ^2/NDF:18.7/22

Left: -0.006+/-0.009 χ^2/NDF: 44.9/47

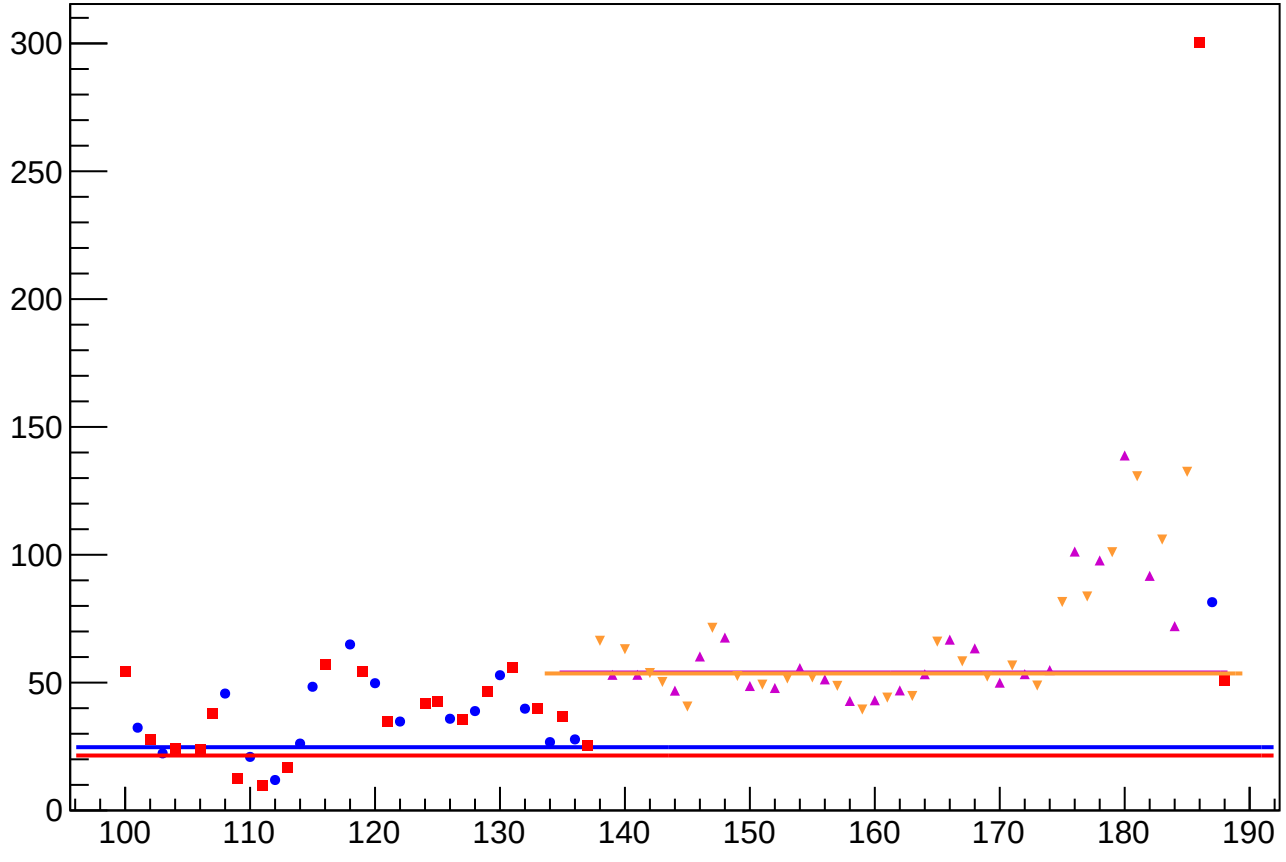
Right: 0.008+/-0.007 χ^2/NDF: 32.0/37

In: 0.012+/-0.008 χ^2/NDF:36.7/39

Out: -0.004+/-0.007 χ^2/NDF:39.5/45

All: 0.003+/-0.006 χ^2/NDF: 78.3/85

asym_sam5_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 24.744+/-0.007 χ^2/NDF: 2665195.2/16

Left Out: 53.582+/-0.009 χ^2/NDF:2642554.6/24

Right Out: 21.490+/-0.006 χ^2/NDF: 4871519.5/20

Left In: 53.961+/-0.009 χ^2/NDF:2039571.7/22

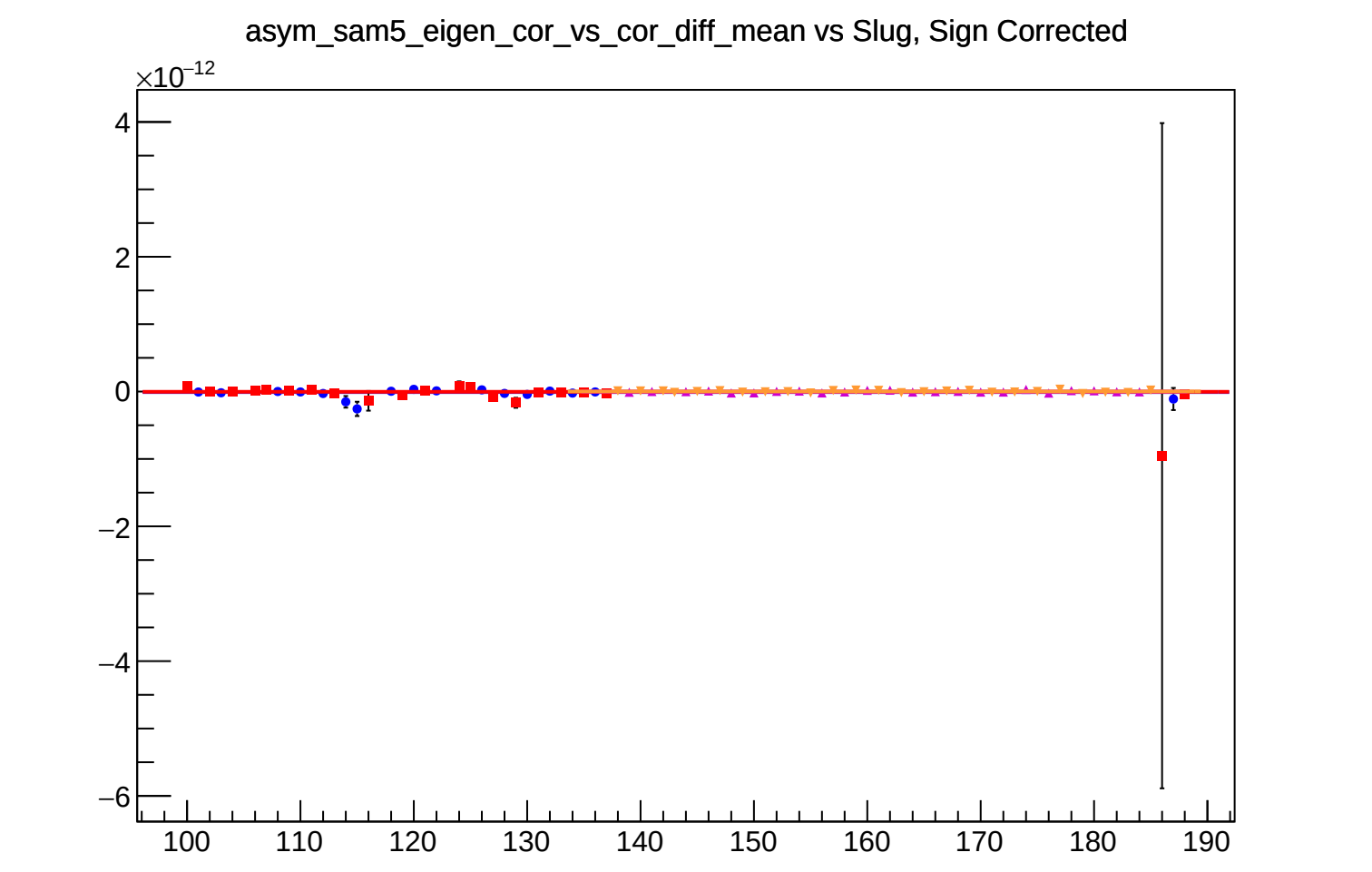
Left: 53.766+/-0.006 χ^2/NDF: 4682976.8/47

Right: 22.872+/-0.005 χ^2/NDF: 7645721.3/37

In: 36.167+/-0.006 χ^2/NDF:10678817.3/39

Out: 32.240+/-0.005 χ^2/NDF:15874025.9/45

All: 33.993+/-0.004 χ^2/NDF: 26803681.4/85



Right In: -0.000+/-0.000 χ^2/NDF: 14.9/16

Left Out: 0.000+/-0.000 χ^2/NDF:27.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 27.2/20

Left In: -0.000+/-0.000 χ^2/NDF:18.1/22

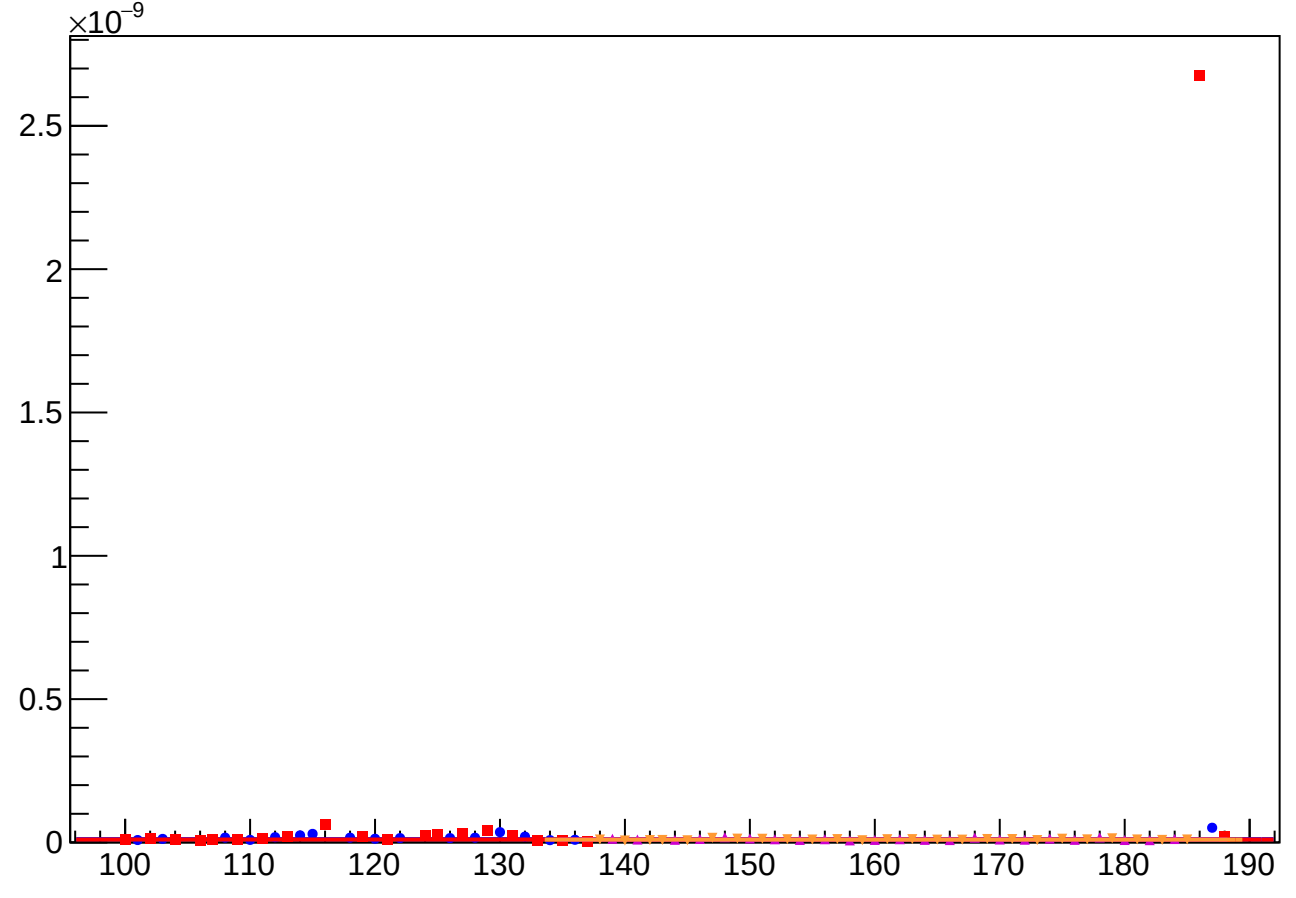
Left: 0.000+/-0.000 χ^2/NDF: 45.7/47

Right: -0.000+/-0.000 χ^2/NDF: 42.5/37

In: -0.000+/-0.000 χ^2/NDF:34.4/39

Out: 0.000+/-0.000 χ^2/NDF:55.4/45

All: -0.000+/-0.000 χ^2/NDF: 90.2/85



Right In: 0.000+/-0.000 χ^2/NDF: 1297303.4/16

Left Out: 0.000+/-0.000 χ^2/NDF:1196110.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3535428.4/20

Left In: 0.000+/-0.000 χ^2/NDF:1313644.4/22

Left: 0.000+/-0.000 χ^2/NDF: 2523943.3/47

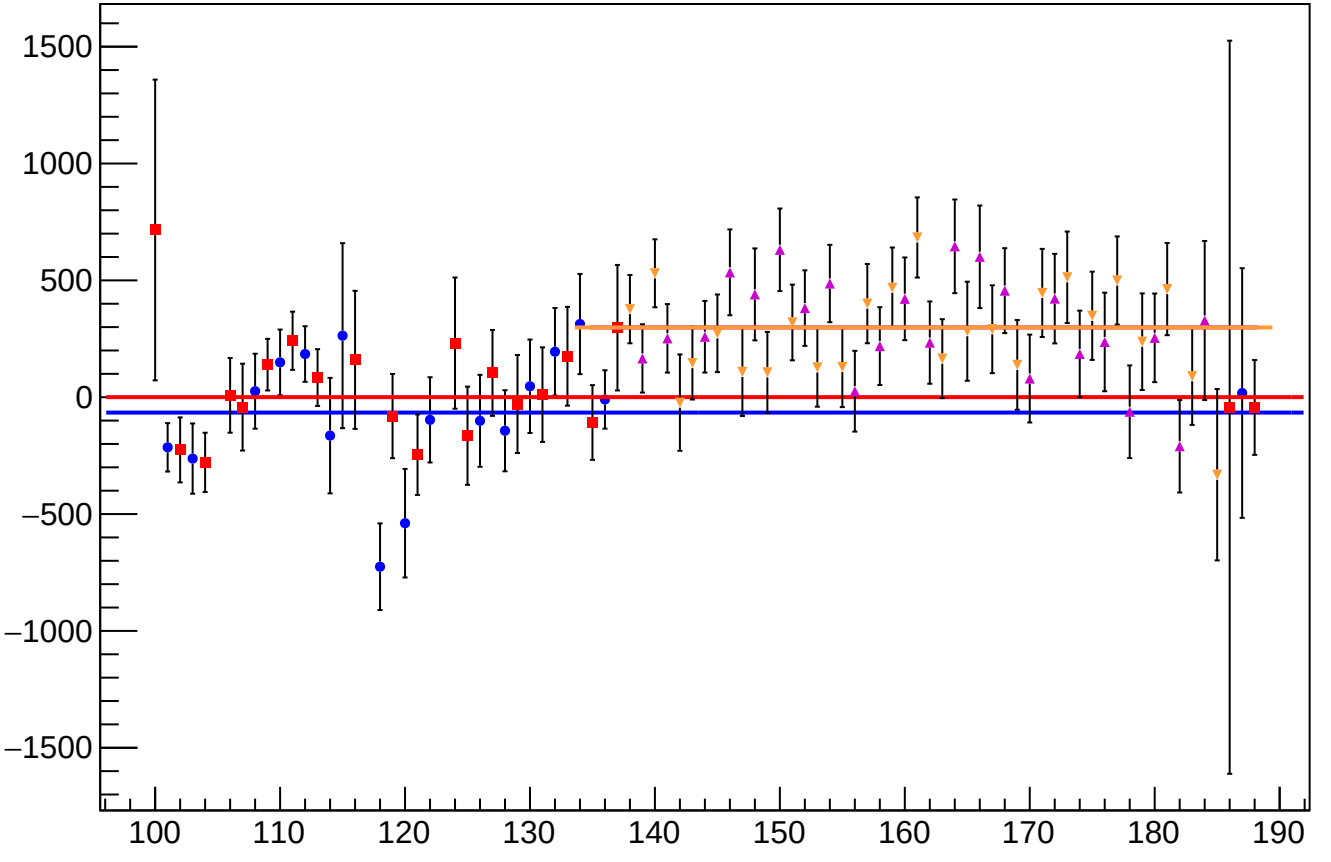
Right: 0.000+/-0.000 χ^2/NDF: 4893136.8/37

In: 0.000+/-0.000 χ^2/NDF:2701249.0/39

Out: 0.000+/-0.000 χ^2/NDF:4739973.9/45

All: 0.000+/-0.000 χ^2/NDF: 7486863.9/85

reg_asym_sam6_mean vs Slug, Sign Corrected



Right In: -65.739+/-40.817 χ^2/NDF: 34.4/16

Left Out: 298.517+/-36.051 χ^2/NDF:26.0/24

Right Out: 0.371+/-38.161 χ^2/NDF: 21.2/20

Left In: 298.675+/-37.727 χ^2/NDF:29.4/22

Left: 298.592+/-26.064 χ^2/NDF: 55.4/47

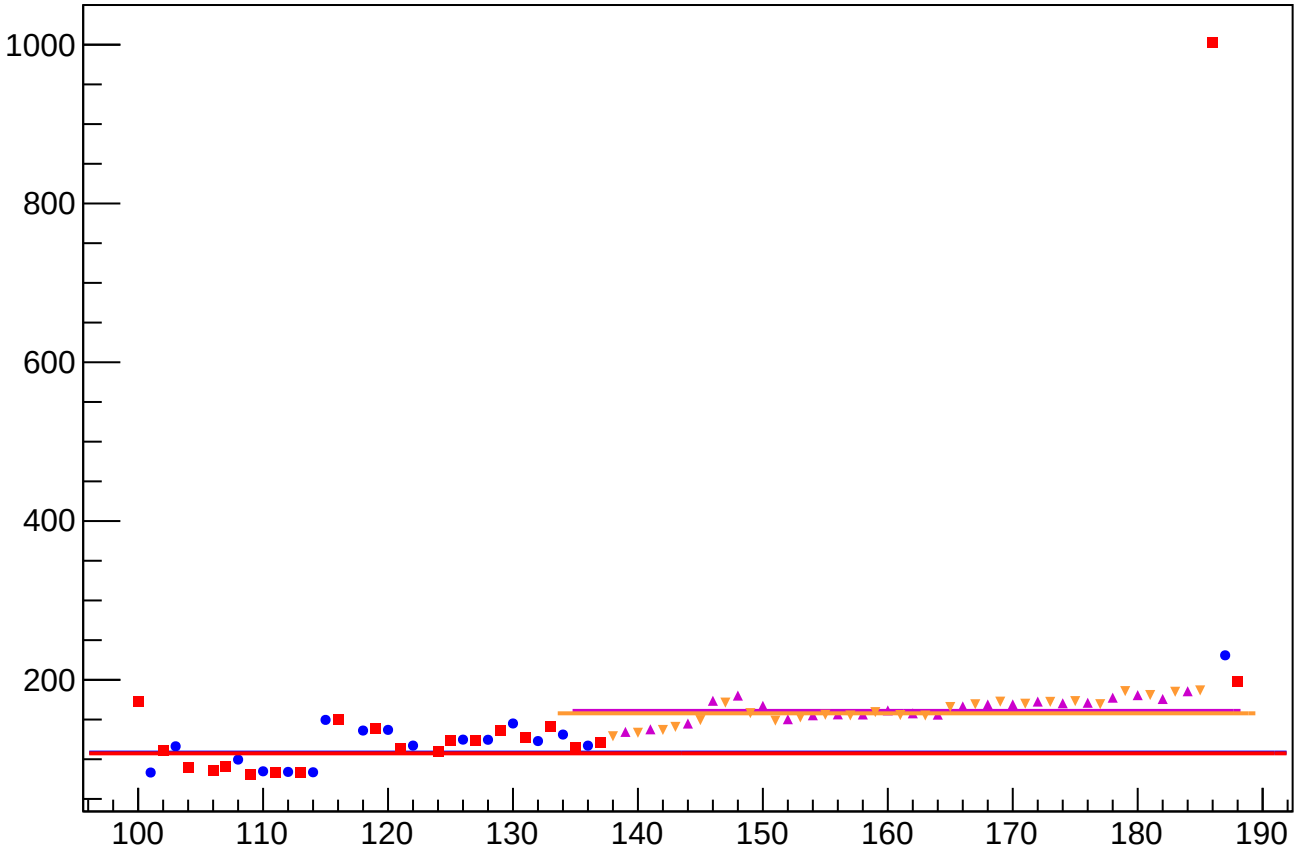
Right: -30.463+/-27.876 χ^2/NDF: 57.0/37

In: 130.785+/-27.705 χ^2/NDF:106.8/39

Out: 157.915+/-26.206 χ^2/NDF:79.4/45

All: 145.104+/-19.038 χ^2/NDF: 186.7/85

reg_asym_sam6_rms vs Slug, Sign Corrected



Right In: 108.364+/-0.029 χ^2/NDF: 638654.8/16

Left Out: 157.836+/-0.025 χ^2/NDF:377205.2/24

Right Out: 107.432+/-0.027 χ^2/NDF: 1689433.9/20

Left In: 160.874+/-0.027 χ^2/NDF:268330.7/22

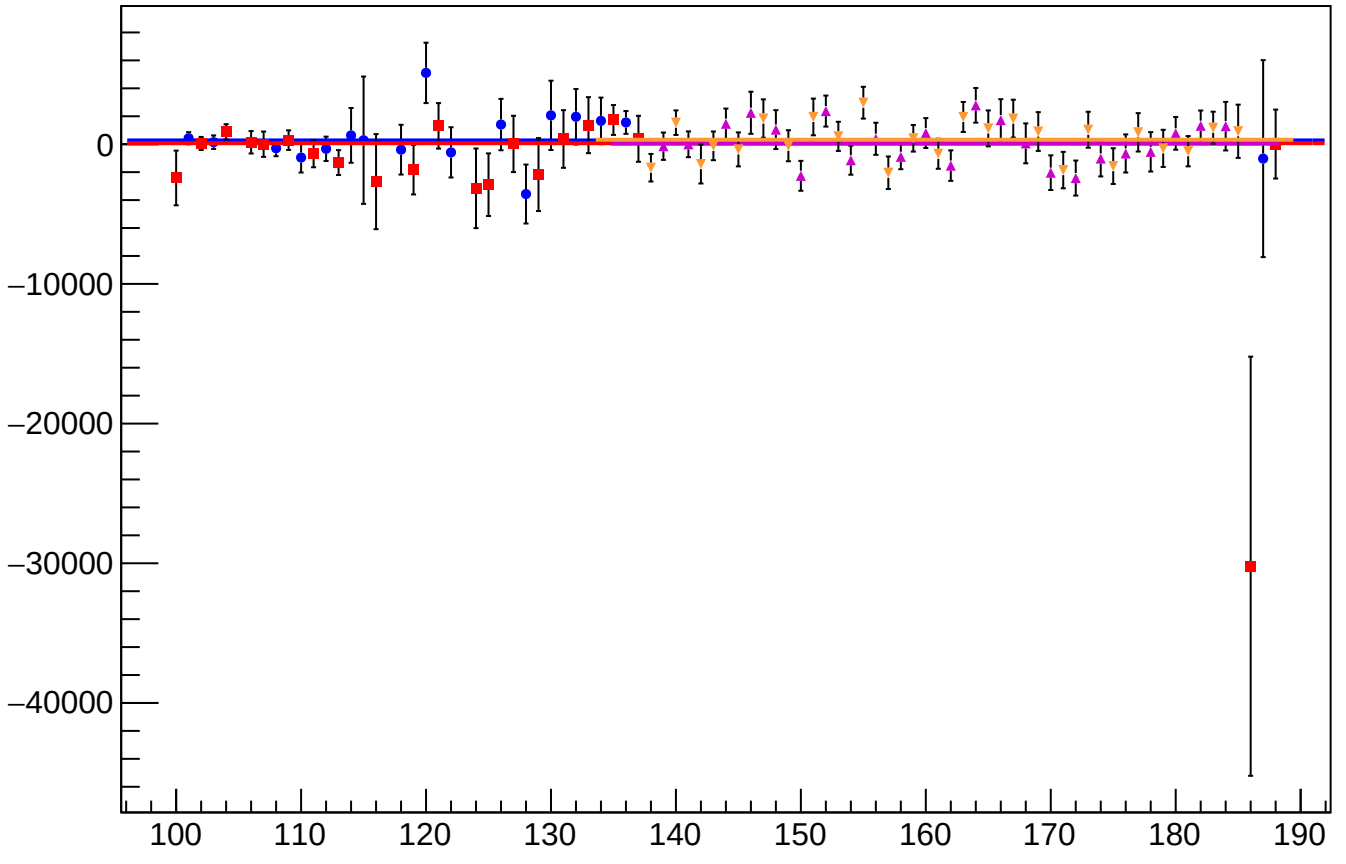
Left: 159.286+/-0.018 χ^2/NDF: 652314.6/47

Right: 107.866+/-0.020 χ^2/NDF: 2328644.9/37

In: 136.682+/-0.020 χ^2/NDF:2692055.2/39

Out: 134.066+/-0.019 χ^2/NDF:3910399.3/45

All: 135.301+/-0.013 χ^2/NDF: 6611864.3/85



Right In: 270.111+/-230.539 χ^2/NDF: 16.5/16

Left Out: 319.947+/-235.084 χ^2/NDF:32.5/24

Right Out: 72.298+/-231.107 χ^2/NDF: 20.1/20

Left In: 39.197+/-244.156 χ^2/NDF:34.8/22

Left: 184.885+/-169.346 χ^2/NDF: 68.0/47

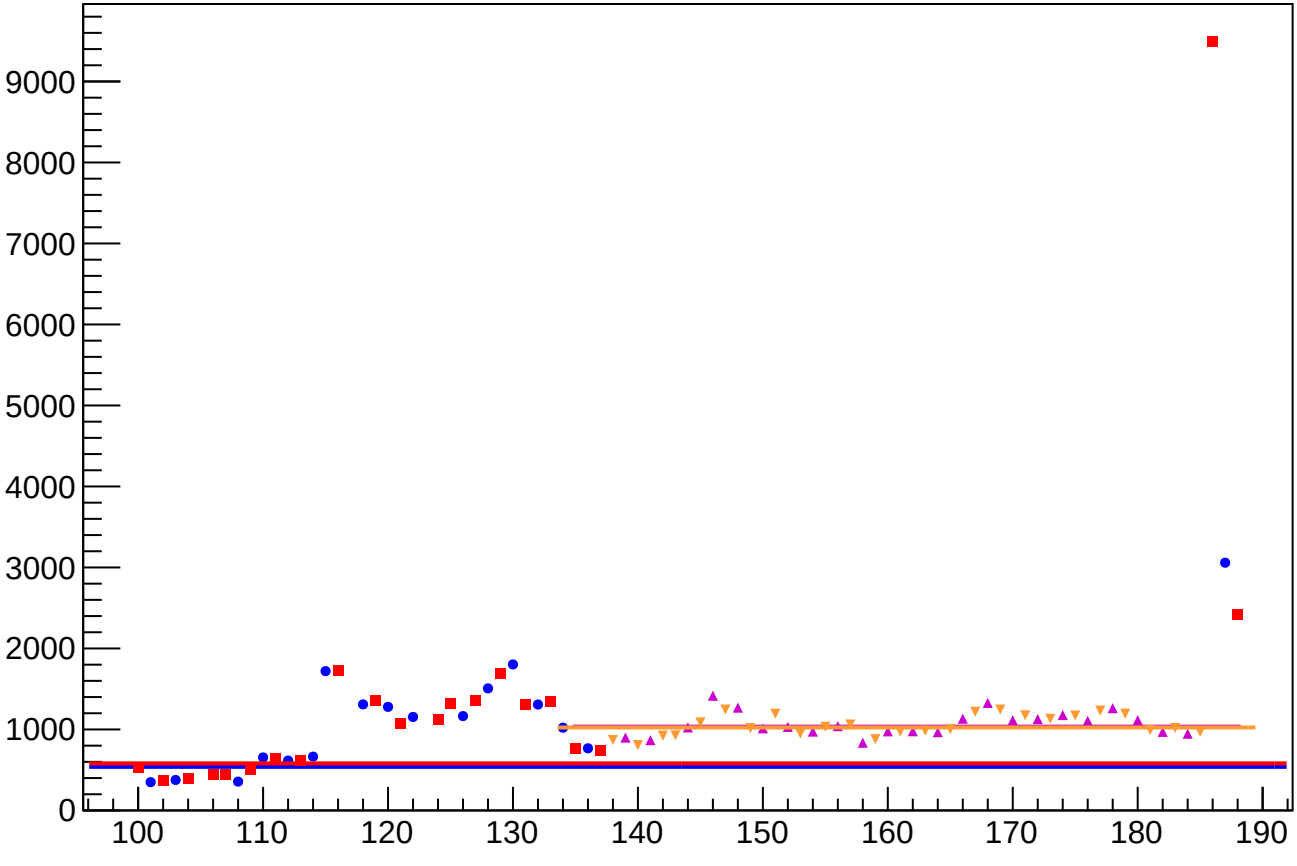
Right: 171.447+/-163.216 χ^2/NDF: 37.0/37

In: 161.272+/-167.623 χ^2/NDF:51.8/39

Out: 194.010+/-164.805 χ^2/NDF:53.2/45

All: 177.919+/-117.519 χ^2/NDF: 105.0/85

asym_sam6_reg_correction_rms vs Slug, Sign Corrected



Right In: 538.381+/-0.163 χ^2/NDF: 3888245.7/16

Left Out: 1024.493+/-0.166 χ^2/NDF:597629.4/24

Right Out: 581.196+/-0.163 χ^2/NDF: 4931580.3/20

Left In: 1034.428+/-0.173 χ^2/NDF:628477.2/22

Left: 1029.272+/-0.120 χ^2/NDF: 1227824.8/47

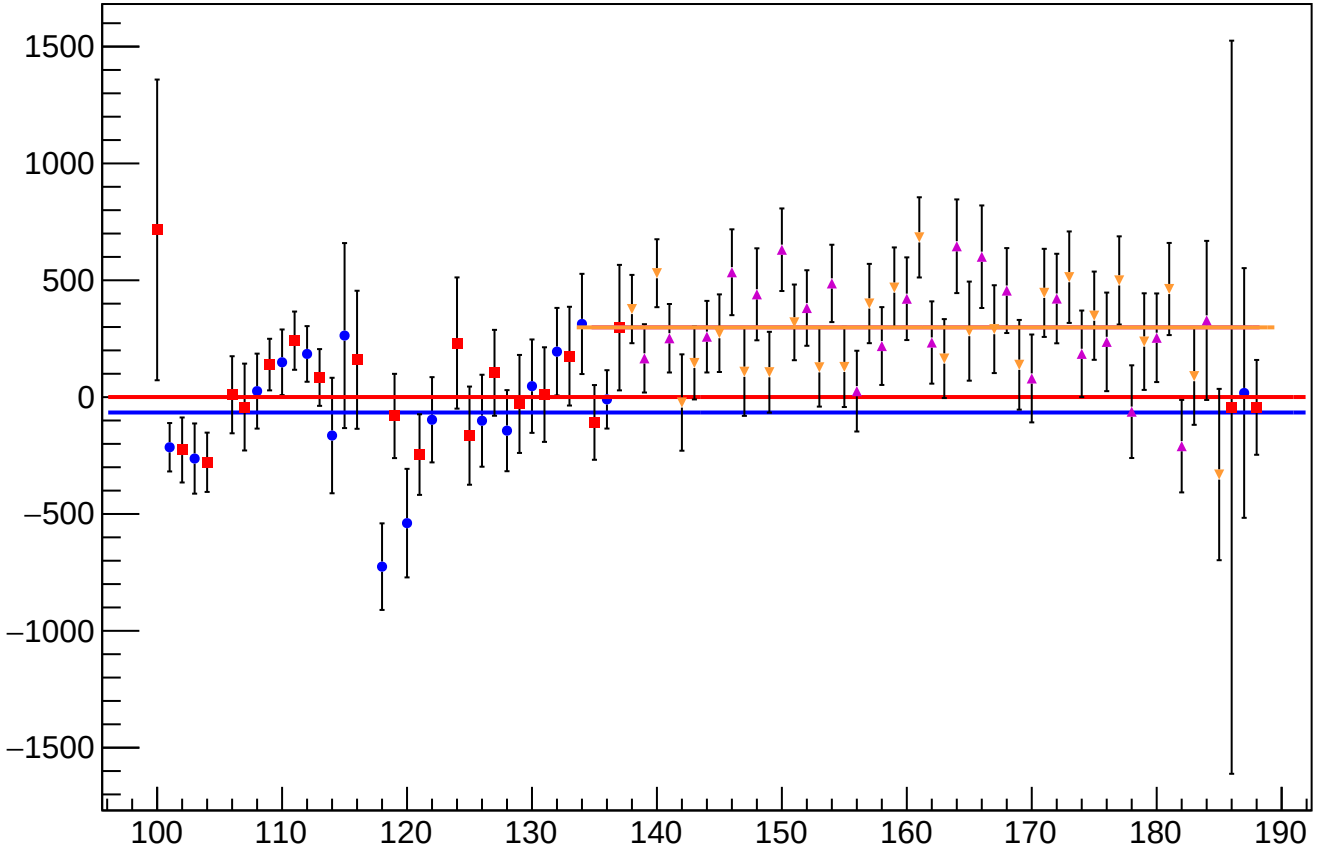
Right: 559.736+/-0.115 χ^2/NDF: 8854231.6/37

In: 772.186+/-0.119 χ^2/NDF:8881058.5/39

Out: 799.063+/-0.117 χ^2/NDF:9145739.5/45

All: 785.852+/-0.083 χ^2/NDF: 18052941.6/85

cor_asym_sam6_mean vs Slug, Sign Corrected



Right In: -65.765+/-40.817 χ^2/NDF: 34.4/16

Left Out: 298.518+/-36.051 χ^2/NDF:26.0/24

Right Out: 0.407+/-38.227 χ^2/NDF: 21.2/20

Left In: 298.682+/-37.727 χ^2/NDF:29.4/22

Left: 298.597+/-26.064 χ^2/NDF: 55.4/47

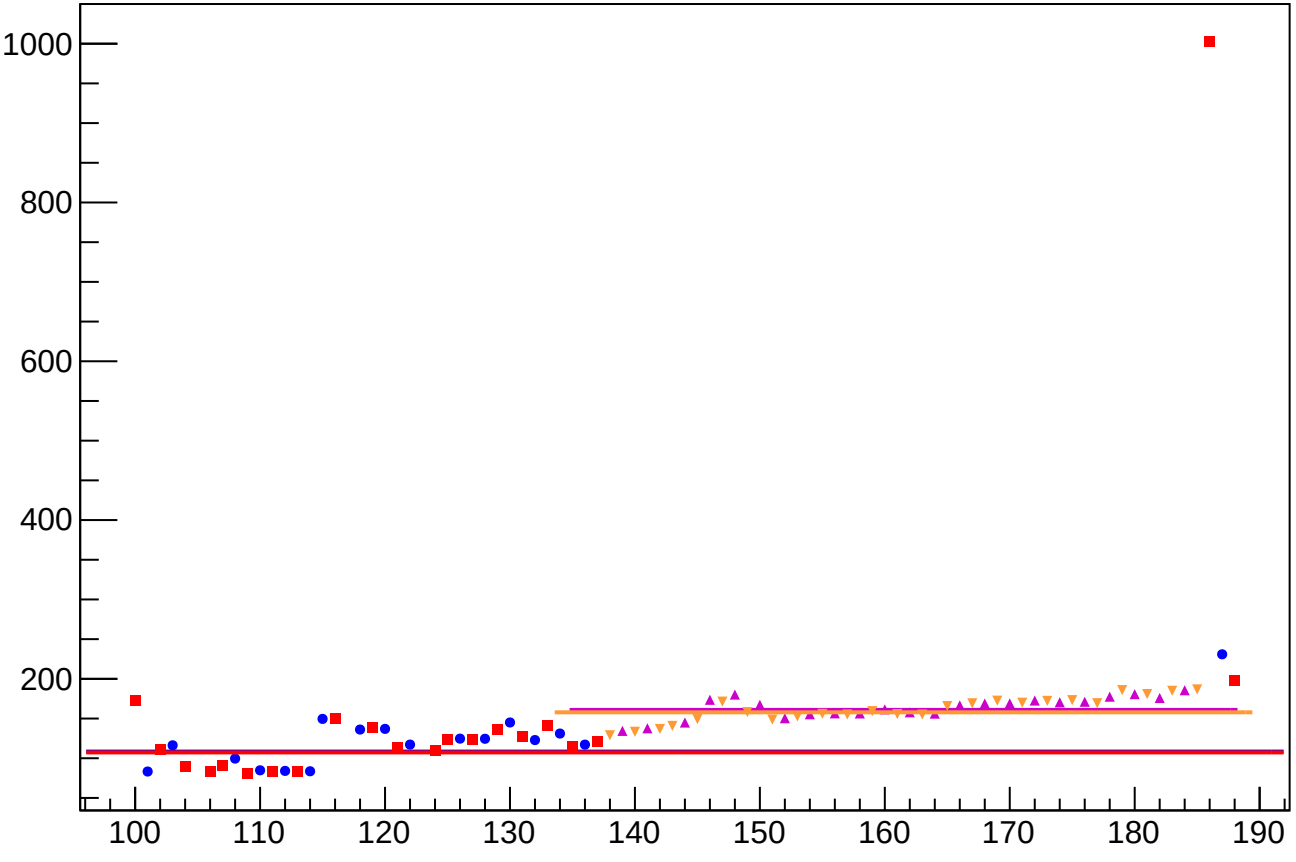
Right: -30.513+/-27.902 χ^2/NDF: 57.0/37

In: 130.777+/-27.705 χ^2/NDF:106.9/39

Out: 158.191+/-26.227 χ^2/NDF:79.3/45

All: 145.235+/-19.047 χ^2/NDF: 186.7/85

cor_asym_sam6_rms vs Slug, Sign Corrected



Right In: 108.364+/-0.029 χ^2/NDF: 638655.8/16

Left Out: 157.836+/-0.025 χ^2/NDF:377205.2/24

Right Out: 107.337+/-0.027 χ^2/NDF: 1697919.3/20

Left In: 160.874+/-0.027 χ^2/NDF:268330.7/22

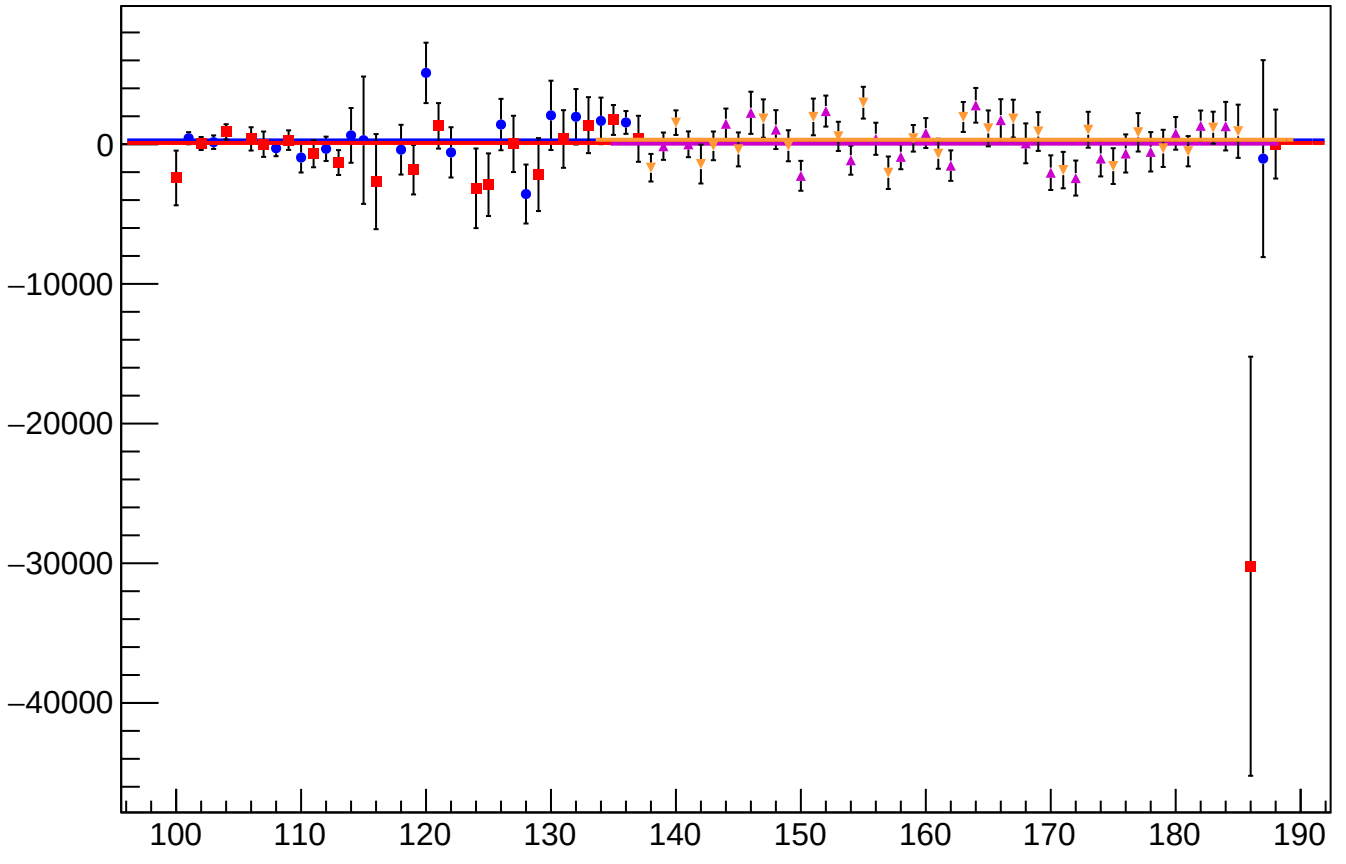
Left: 159.286+/-0.018 χ^2/NDF: 652314.6/47

Right: 107.817+/-0.020 χ^2/NDF: 2337248.8/37

In: 136.682+/-0.020 χ^2/NDF:2692052.1/39

Out: 134.065+/-0.019 χ^2/NDF:3922404.7/45

All: 135.302+/-0.013 χ^2/NDF: 6623865.5/85



Right In: 270.251+/-230.532 χ^2/NDF: 16.5/16

Left Out: 319.953+/-235.084 χ^2/NDF:32.5/24

Right Out: 89.847+/-231.725 χ^2/NDF: 20.2/20

Left In: 39.198+/-244.156 χ^2/NDF:34.8/22

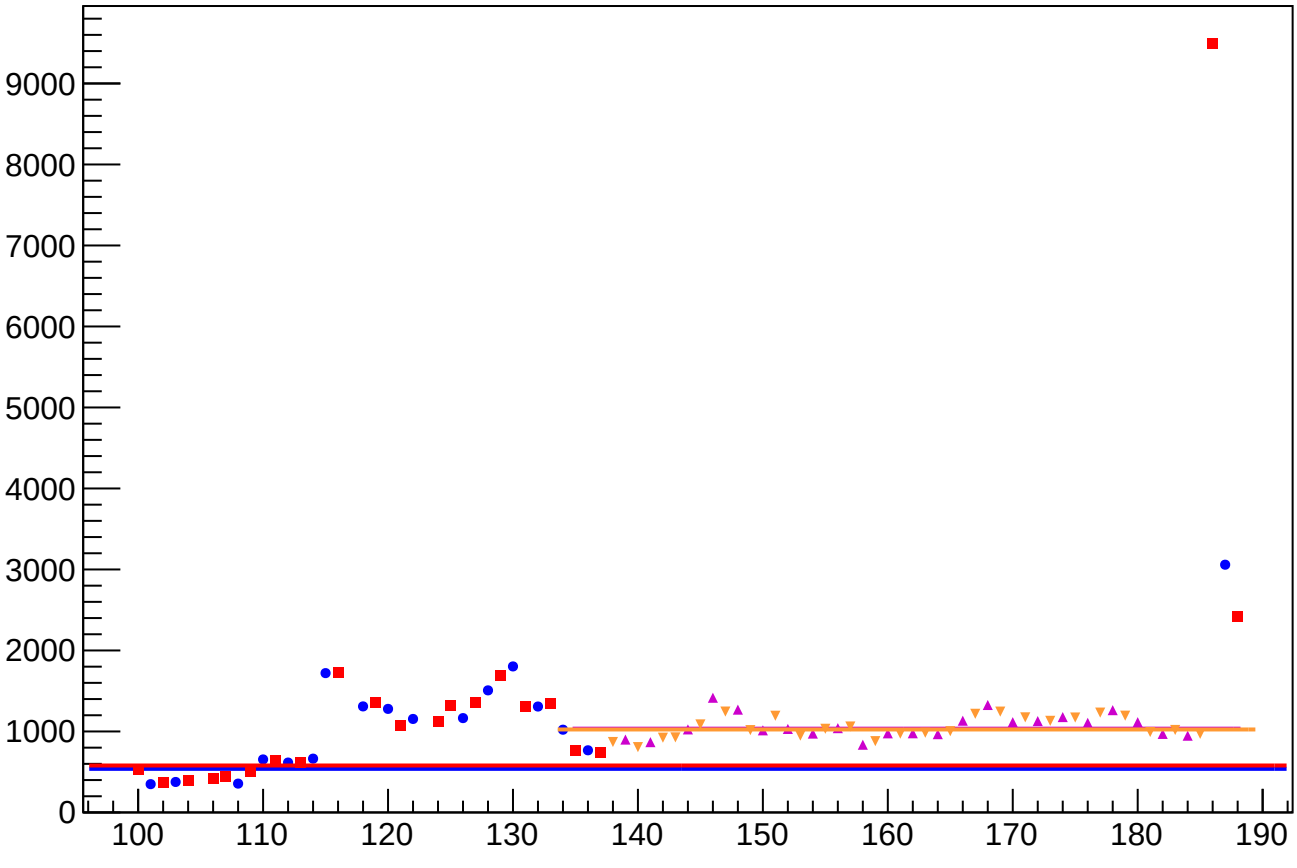
Left: 184.888+/-169.346 χ^2/NDF: 68.0/47

Right: 180.515+/-163.431 χ^2/NDF: 37.0/37

In: 161.350+/-167.620 χ^2/NDF:51.8/39

Out: 203.244+/-165.029 χ^2/NDF:53.2/45

All: 182.624+/-117.599 χ^2/NDF: 105.0/85



Right In: 538.359+/-0.163 χ^2/NDF: 3888450.6/16

Left Out: 1024.493+/-0.166 χ^2/NDF:597629.0/24

Right Out: 579.733+/-0.164 χ^2/NDF: 4953388.0/20

Left In: 1034.428+/-0.173 χ^2/NDF:628474.5/22

Left: 1029.273+/-0.120 χ^2/NDF: 1227821.8/47

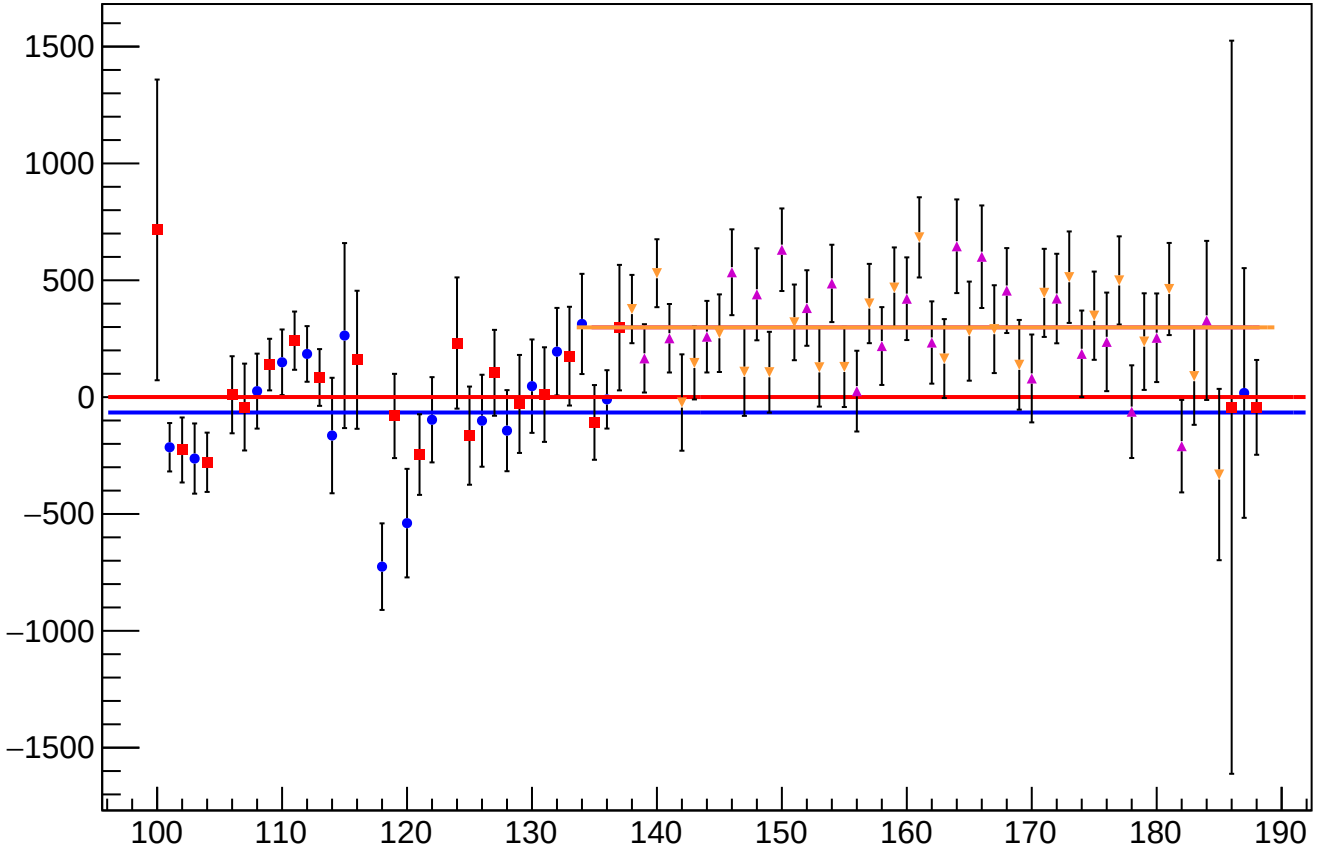
Right: 558.939+/-0.116 χ^2/NDF: 8873882.5/37

In: 772.167+/-0.119 χ^2/NDF:8881773.9/39

Out: 798.913+/-0.117 χ^2/NDF:9181894.4/45

All: 785.748+/-0.083 χ^2/NDF: 18089524.1/85

eigen_cor_asym_sam6_mean vs Slug, Sign Corrected



Right In: -65.765+/-40.817 χ^2/NDF: 34.4/16

Left Out: 298.518+/-36.051 χ^2/NDF:26.0/24

Right Out: 0.407+/-38.227 χ^2/NDF: 21.2/20

Left In: 298.682+/-37.727 χ^2/NDF:29.4/22

Left: 298.597+/-26.064 χ^2/NDF: 55.4/47

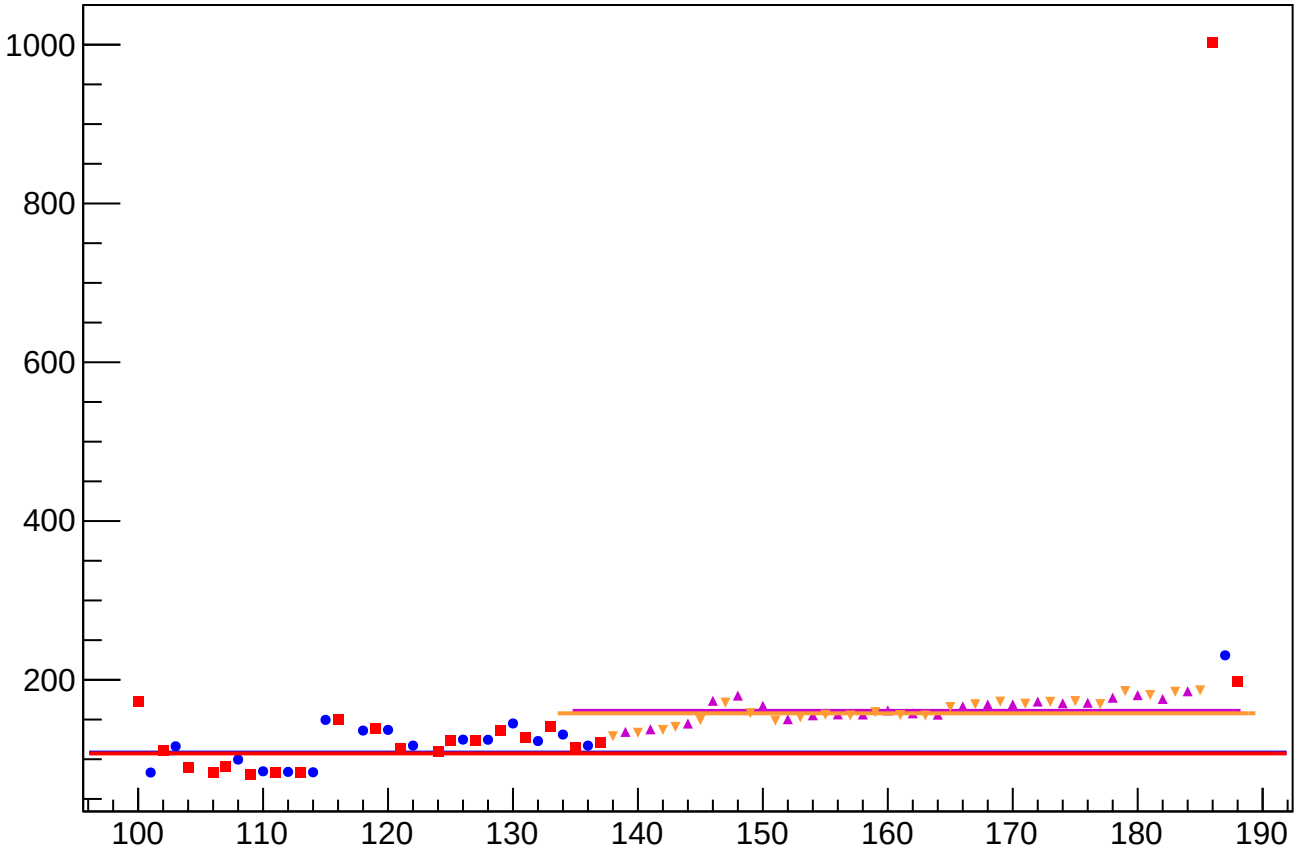
Right: -30.513+/-27.902 χ^2/NDF: 57.0/37

In: 130.777+/-27.705 χ^2/NDF:106.9/39

Out: 158.191+/-26.227 χ^2/NDF:79.3/45

All: 145.235+/-19.047 χ^2/NDF: 186.7/85

eigen_cor_asym_sam6_rms vs Slug, Sign Corrected



Right In: 108.364+/-0.029 χ^2/NDF: 638655.8/16

Left Out: 157.836+/-0.025 χ^2/NDF:377205.2/24

Right Out: 107.337+/-0.027 χ^2/NDF: 1697919.3/20

Left In: 160.874+/-0.027 χ^2/NDF:268330.7/22

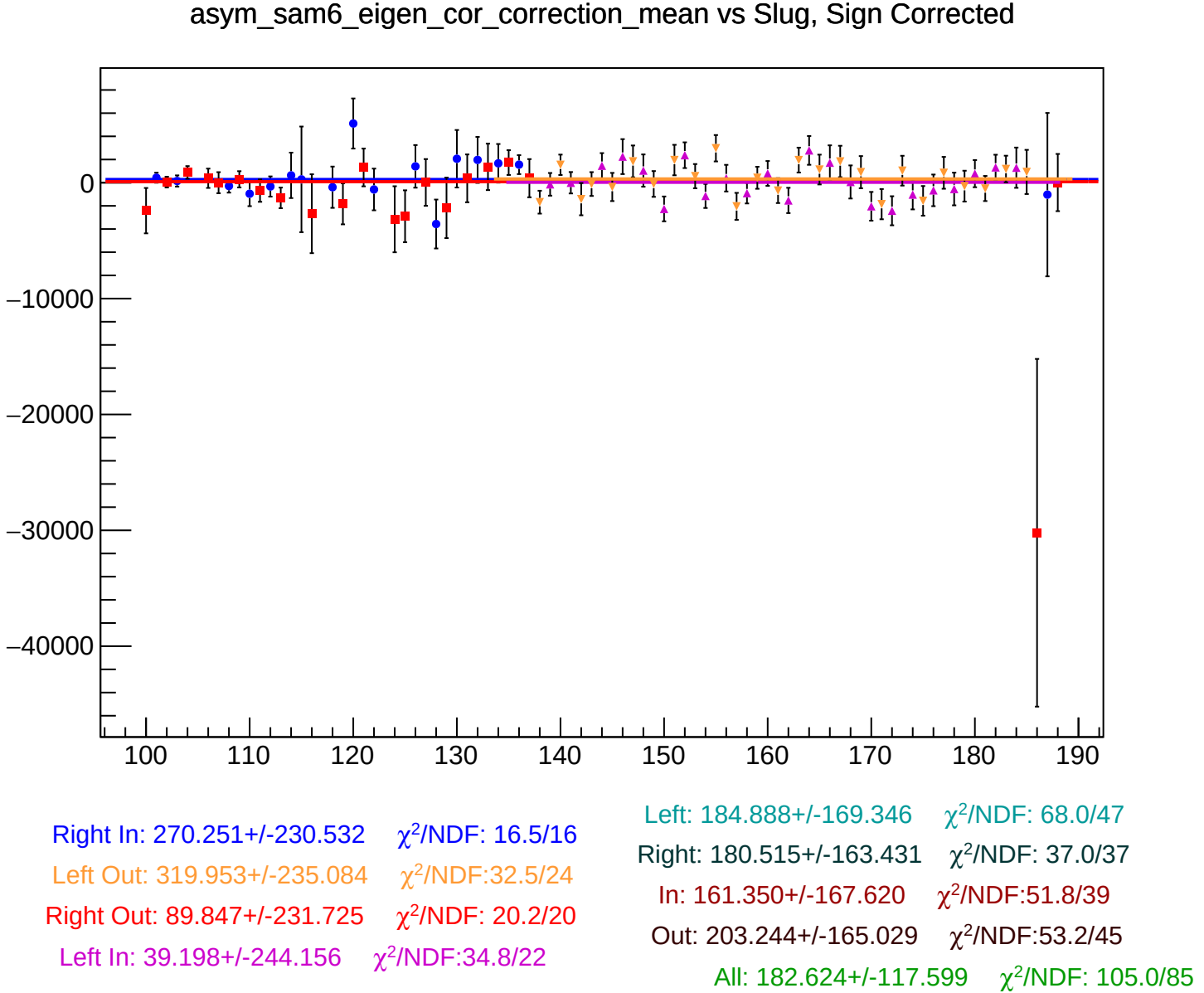
Left: 159.286+/-0.018 χ^2/NDF: 652314.6/47

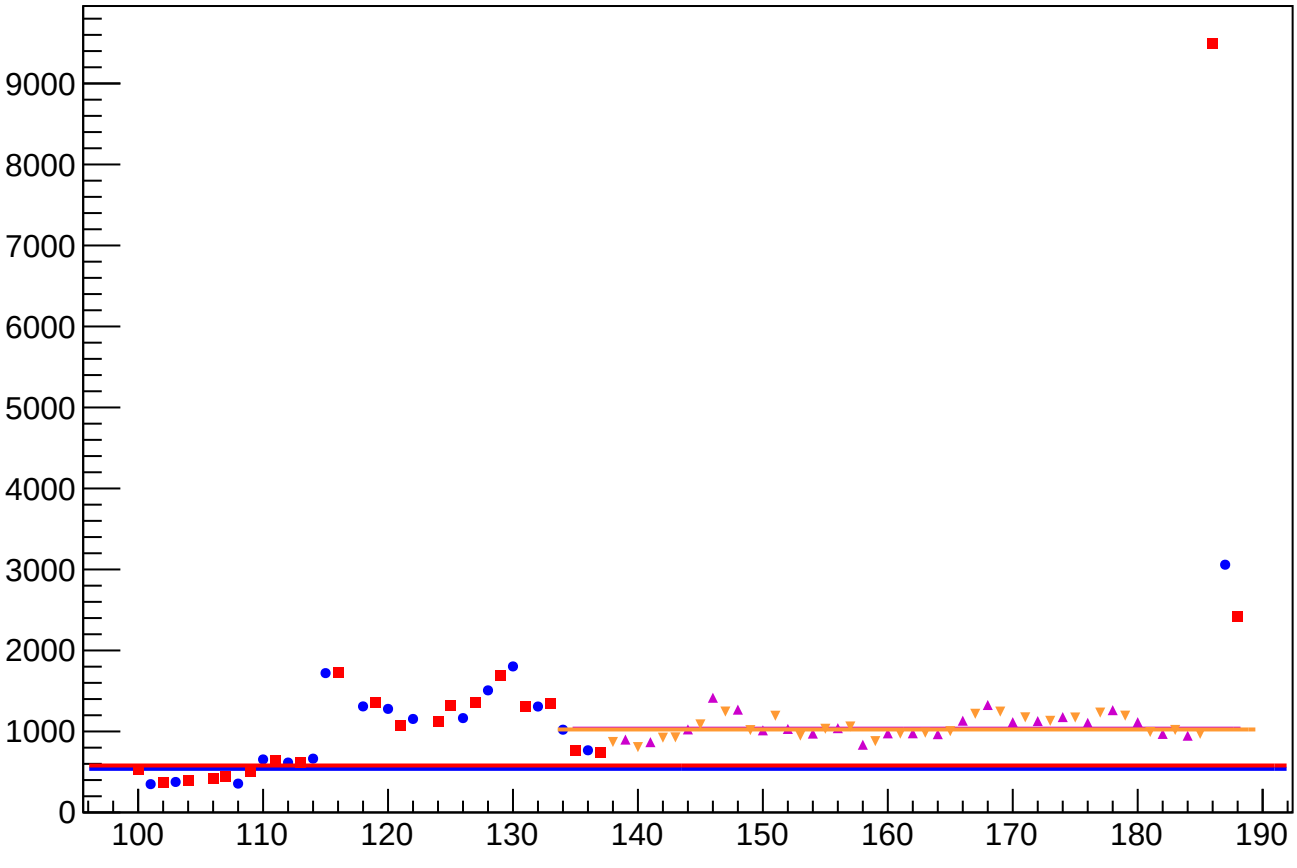
Right: 107.817+/-0.020 χ^2/NDF: 2337248.8/37

In: 136.682+/-0.020 χ^2/NDF:2692052.1/39

Out: 134.065+/-0.019 χ^2/NDF:3922404.7/45

All: 135.302+/-0.013 χ^2/NDF: 6623865.5/85


asym_sam6_eigen_cor_correction_mean vs Slug, Sign Corrected
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
160
170
180
190
Right In: 270.251+/-230.532 χ²/NDF: 16.5/16
Left Out: 319.953+/-235.084 χ²/NDF:32.5/24
Right Out: 89.847+/-231.725 χ²/NDF: 20.2/20
Left In: 39.198+/-244.156 χ²/NDF:34.8/22
Left: 184.888+/-169.346 χ²/NDF: 68.0/47
Right: 180.515+/-163.431 χ²/NDF: 37.0/37
In: 161.350+/-167.620 χ²/NDF:51.8/39
Out: 203.244+/-165.029 χ²/NDF:53.2/45
All: 182.624+/-117.599 χ²/NDF: 105.0/85



Right In: 538.359+/-0.163 χ^2/NDF: 3888450.6/16

Left Out: 1024.493+/-0.166 χ^2/NDF:597629.0/24

Right Out: 579.733+/-0.164 χ^2/NDF: 4953388.0/20

Left In: 1034.428+/-0.173 χ^2/NDF:628474.5/22

Left: 1029.273+/-0.120 χ^2/NDF: 1227821.8/47

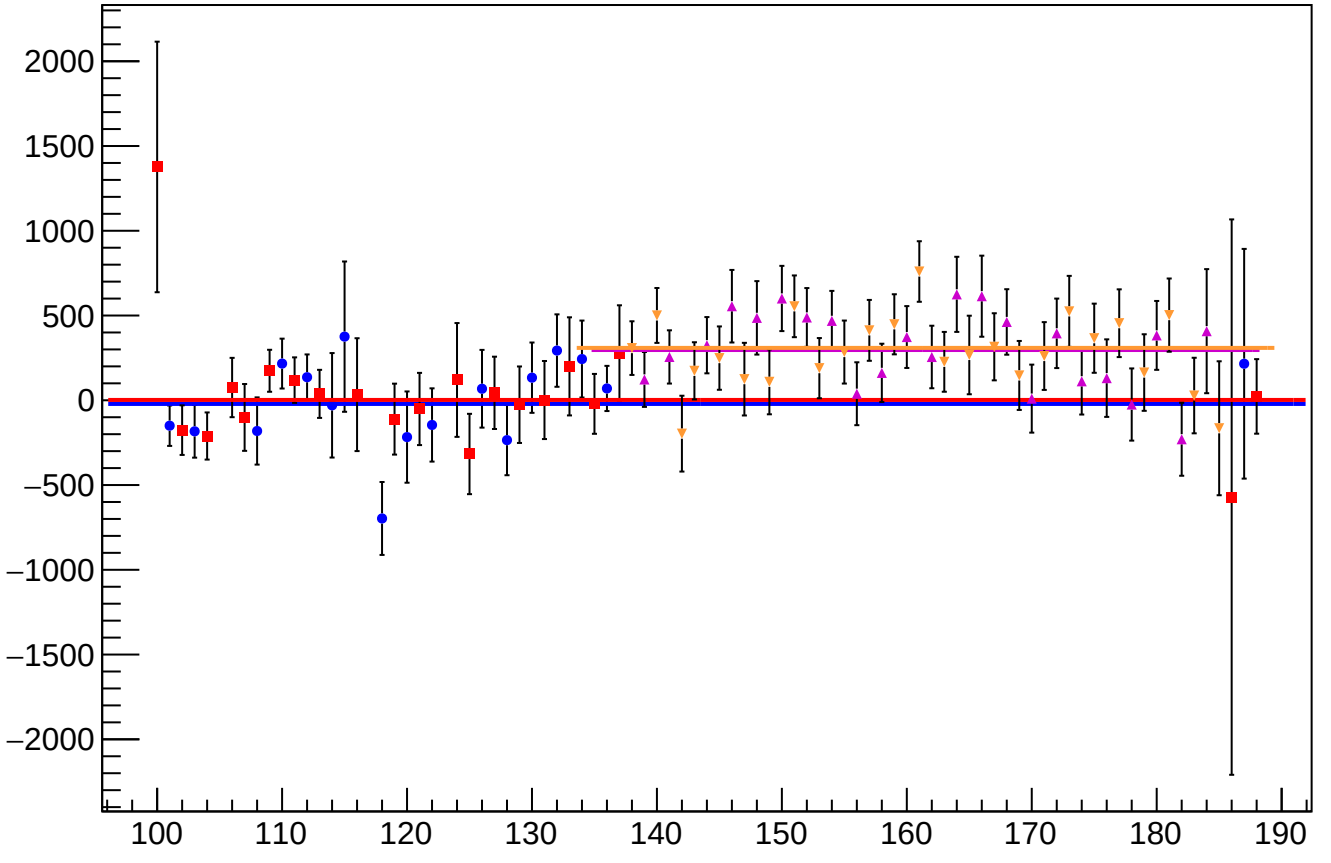
Right: 558.939+/-0.116 χ^2/NDF: 8873882.5/37

In: 772.167+/-0.119 χ^2/NDF:8881773.9/39

Out: 798.913+/-0.117 χ^2/NDF:9181894.4/45

All: 785.748+/-0.083 χ^2/NDF: 18089524.1/85

dit_asym_sam6_mean vs Slug, Sign Corrected



Right In: -21.590+/-45.803 χ^2/NDF: 24.3/16

Left Out: 309.031+/-38.901 χ^2/NDF:25.6/24

Right Out: 2.011+/-42.718 χ^2/NDF: 14.4/20

Left In: 296.497+/-40.607 χ^2/NDF:27.8/22

Left: 303.033+/-28.091 χ^2/NDF: 53.4/47

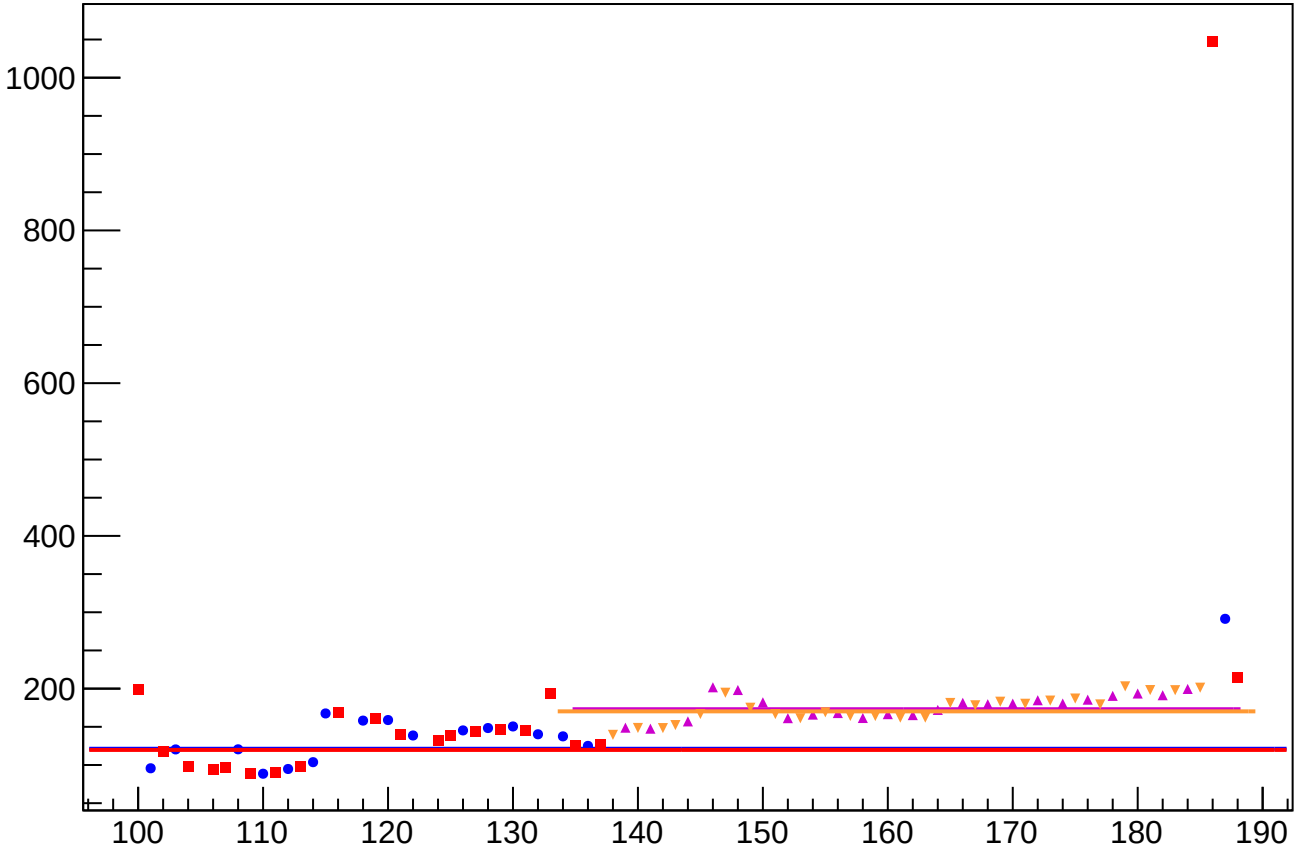
Right: -8.968+/-31.240 χ^2/NDF: 38.9/37

In: 156.514+/-30.385 χ^2/NDF:79.1/39

Out: 169.849+/-28.762 χ^2/NDF:68.2/45

All: 163.547+/-20.888 χ^2/NDF: 147.5/85

dit_asym_sam6_rms vs Slug, Sign Corrected



Right In: 121.240+/-0.032 χ^2/NDF: 657063.5/16

Left Out: 170.240+/-0.028 χ^2/NDF:366302.5/24

Right Out: 119.741+/-0.030 χ^2/NDF: 1801888.6/20

Left In: 173.024+/-0.029 χ^2/NDF:293702.8/22

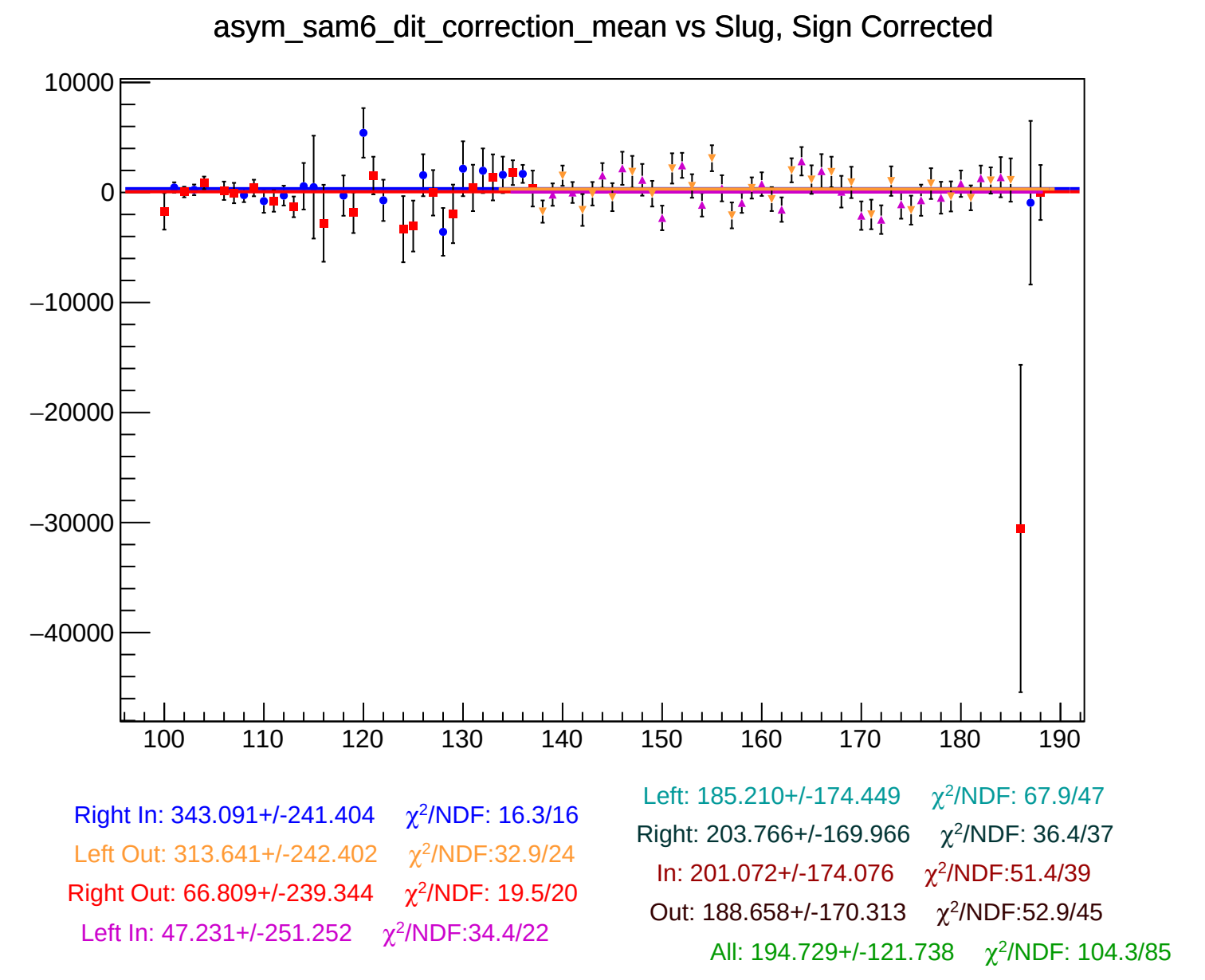
Left: 171.572+/-0.020 χ^2/NDF: 664905.1/47

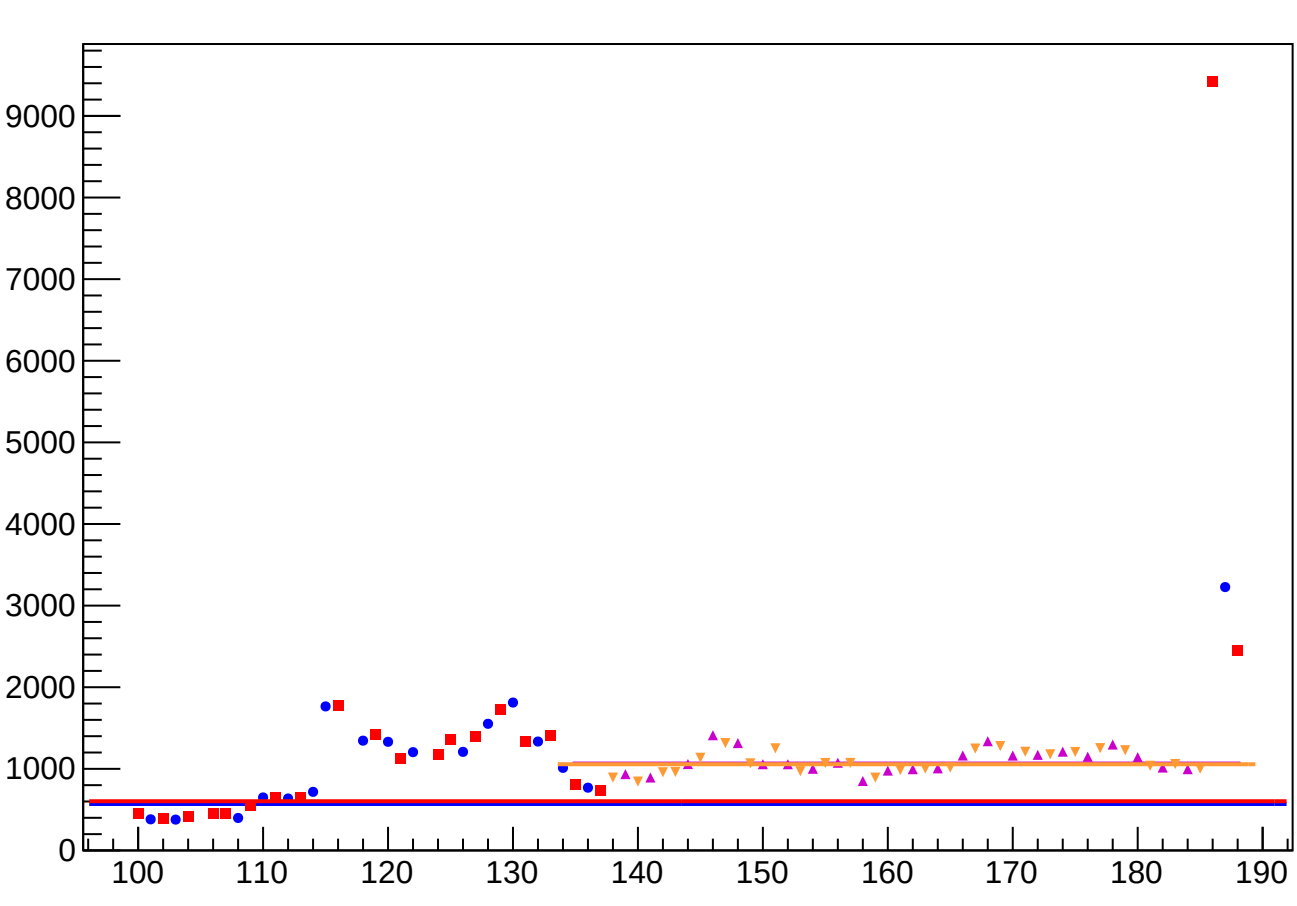
Right: 120.438+/-0.022 χ^2/NDF: 2460096.8/37

In: 150.235+/-0.021 χ^2/NDF:2382158.4/39

Out: 147.347+/-0.020 χ^2/NDF:3696117.4/45

All: 148.712+/-0.015 χ^2/NDF: 6087799.9/85


asym_sam6_dit_correction_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
160
170
180
190
Right In: 343.091+/-241.404 χ²/NDF: 16.3/16
Left Out: 313.641+/-242.402 χ²/NDF:32.9/24
Right Out: 66.809+/-239.344 χ²/NDF: 19.5/20
Left In: 47.231+/-251.252 χ²/NDF:34.4/22
Left: 185.210+/-174.449 χ²/NDF: 67.9/47
Right: 203.766+/-169.966 χ²/NDF: 36.4/37
In: 201.072+/-174.076 χ²/NDF:51.4/39
Out: 188.658+/-170.313 χ²/NDF:52.9/45
All: 194.729+/-121.738 χ²/NDF: 104.3/85



Right In: 569.406+/-0.171 χ^2/NDF: 3688050.1/16

Left Out: 1056.328+/-0.171 χ^2/NDF:610710.4/24

Right Out: 603.137+/-0.169 χ^2/NDF: 4908402.7/20

Left In: 1064.691+/-0.178 χ^2/NDF:611055.8/22

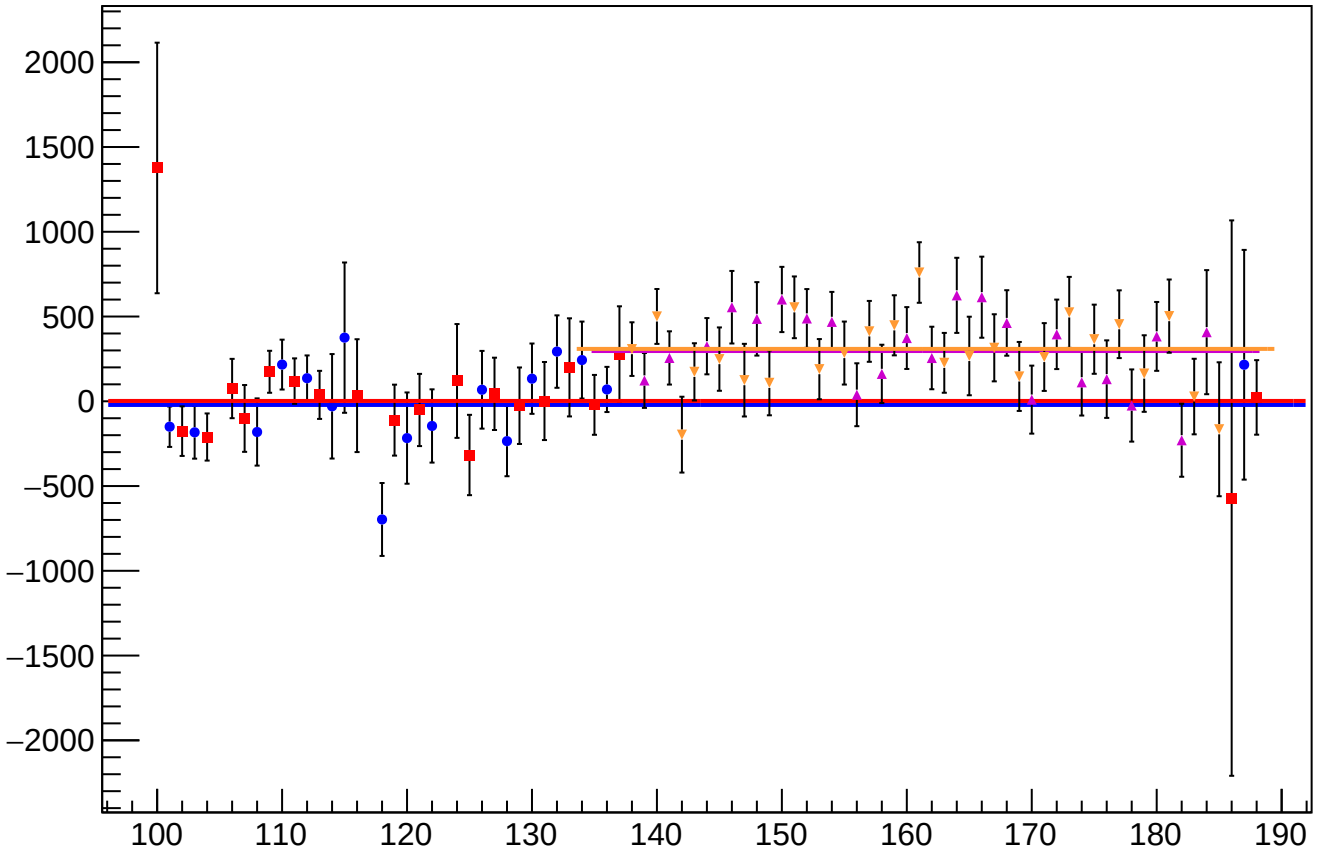
Left: 1060.360+/-0.123 χ^2/NDF: 1222913.7/47

Right: 586.416+/-0.120 χ^2/NDF: 8616144.7/37

In: 807.153+/-0.123 χ^2/NDF:8340300.7/39

Out: 826.856+/-0.120 χ^2/NDF:9058831.0/45

All: 817.220+/-0.086 χ^2/NDF: 17412223.0/85



Right In: -21.591+/-45.803 χ^2/NDF: 24.3/16

Left Out: 309.032+/-38.901 χ^2/NDF:25.6/24

Right Out: 2.012+/-42.718 χ^2/NDF: 14.4/20

Left In: 296.497+/-40.607 χ^2/NDF:27.8/22

Left: 303.033+/-28.091 χ^2/NDF: 53.4/47

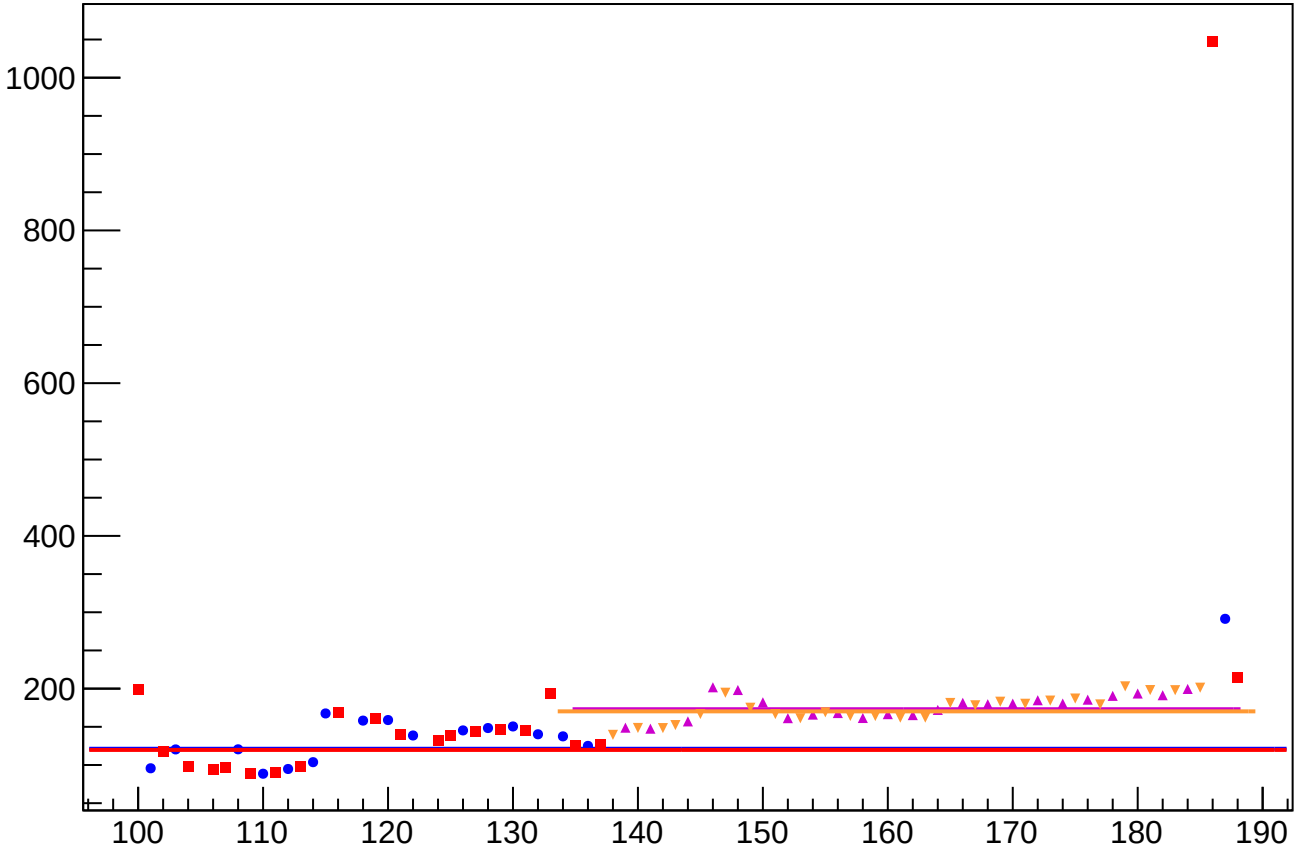
Right: -8.968+/-31.240 χ^2/NDF: 38.9/37

In: 156.513+/-30.385 χ^2/NDF:79.1/39

Out: 169.850+/-28.762 χ^2/NDF:68.2/45

All: 163.547+/-20.888 χ^2/NDF: 147.5/85

eigen_dit_asym_sam6_rms vs Slug, Sign Corrected



Right In: 121.239+/-0.032 χ^2/NDF: 657066.3/16

Left Out: 170.240+/-0.028 χ^2/NDF:366303.1/24

Right Out: 119.741+/-0.030 χ^2/NDF: 1801884.6/20

Left In: 173.023+/-0.029 χ^2/NDF:293703.4/22

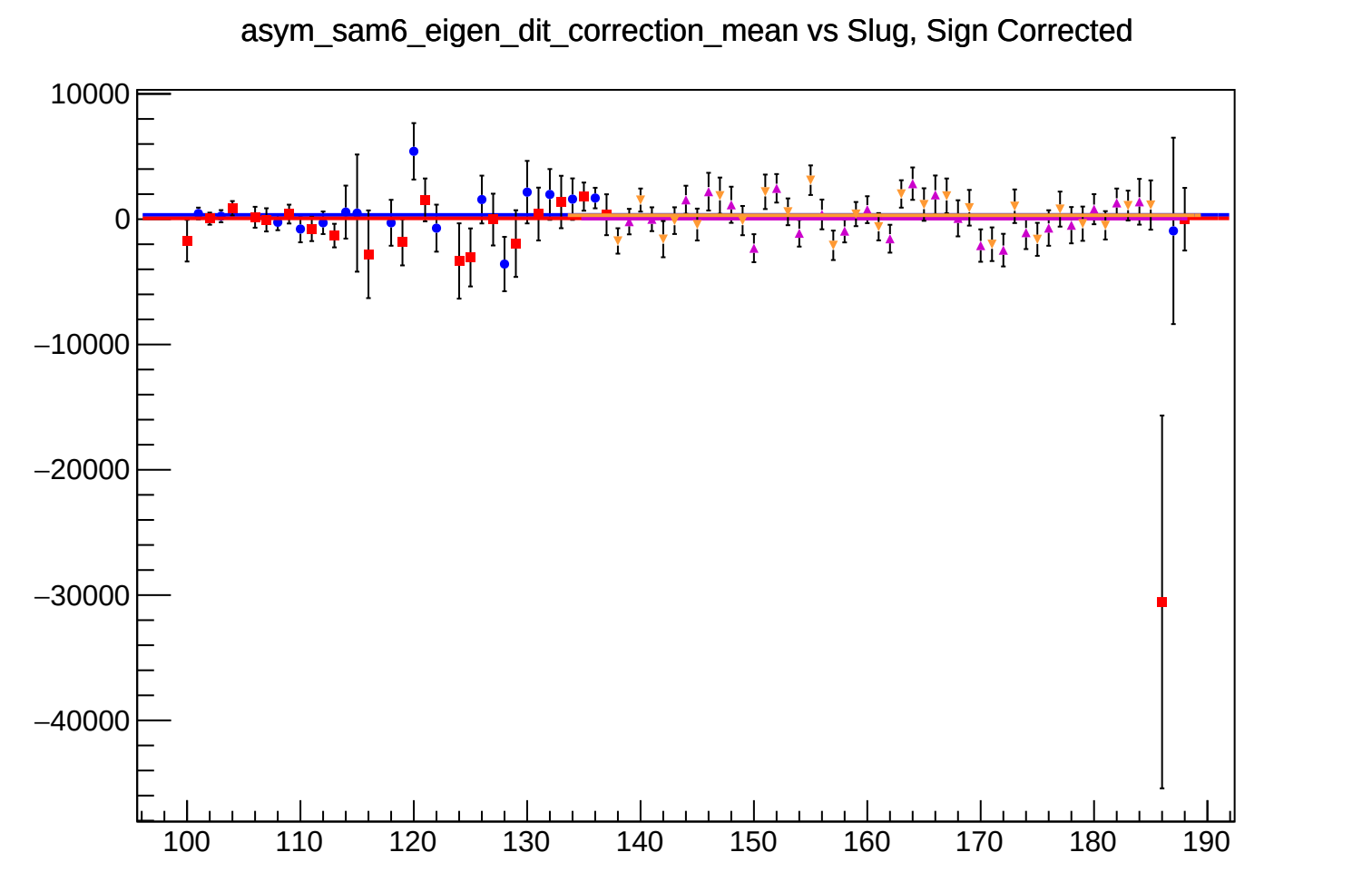
Left: 171.572+/-0.020 χ^2/NDF: 664906.3/47

Right: 120.438+/-0.022 χ^2/NDF: 2460095.5/37

In: 150.234+/-0.021 χ^2/NDF:2382171.0/39

Out: 147.347+/-0.020 χ^2/NDF:3696119.3/45

All: 148.712+/-0.015 χ^2/NDF: 6087814.3/85



Right In: 343.090+/-241.404 χ^2/NDF: 16.3/16

Left Out: 313.641+/-242.402 χ^2/NDF:32.9/24

Right Out: 66.810+/-239.344 χ^2/NDF: 19.5/20

Left In: 47.231+/-251.252 χ^2/NDF:34.4/22

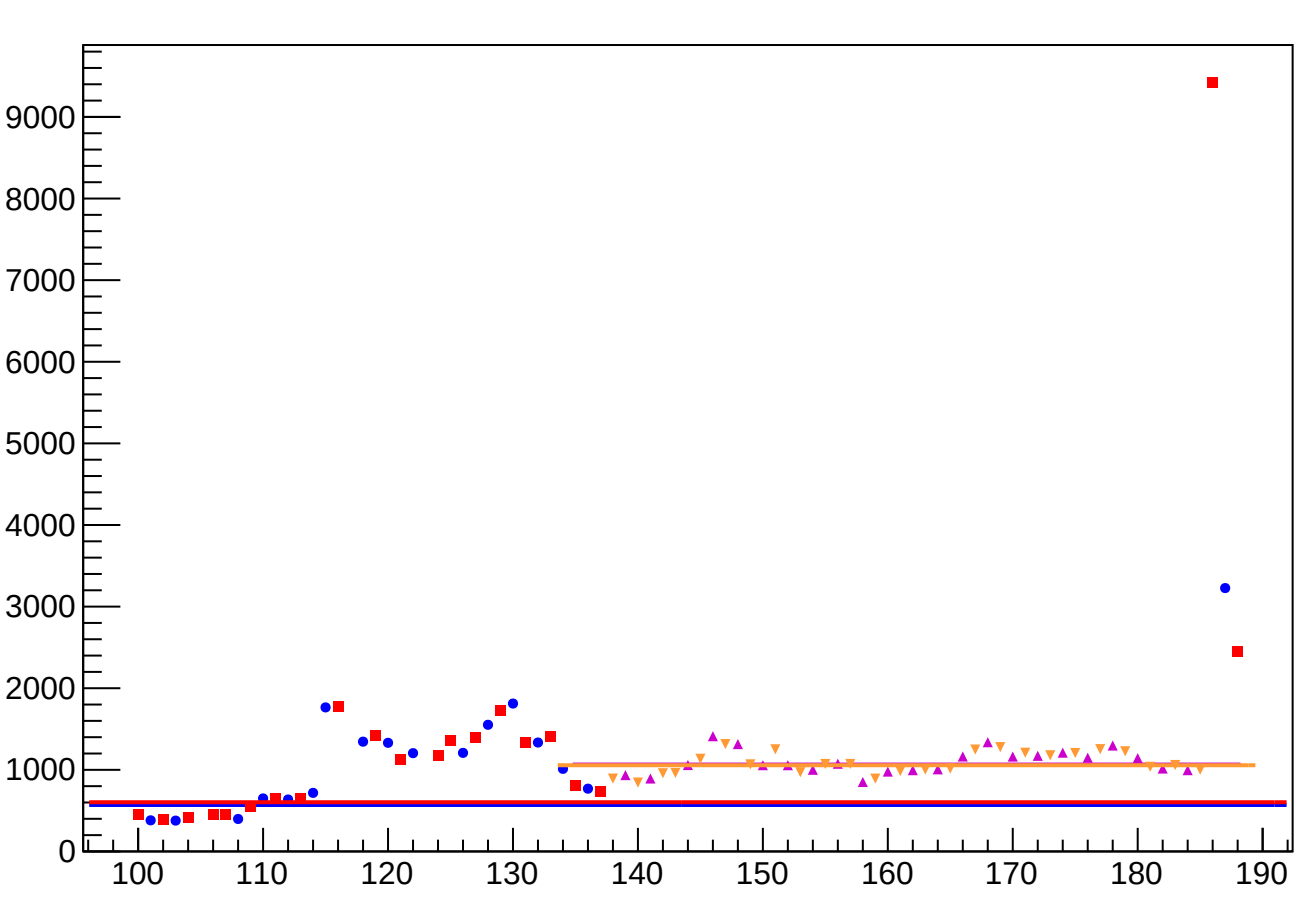
Left: 185.210+/-174.449 χ^2/NDF: 67.9/47

Right: 203.766+/-169.965 χ^2/NDF: 36.4/37

In: 201.072+/-174.076 χ^2/NDF:51.4/39

Out: 188.659+/-170.313 χ^2/NDF:52.9/45

All: 194.730+/-121.738 χ^2/NDF: 104.3/85



Right In: 569.405+/-0.171 χ^2/NDF: 3688054.7/16

Left Out: 1056.328+/-0.171 χ^2/NDF:610715.5/24

Right Out: 603.137+/-0.169 χ^2/NDF: 4908403.1/20

Left In: 1064.691+/-0.178 χ^2/NDF:611059.3/22

Left: 1060.360+/-0.123 χ^2/NDF: 1222922.4/47

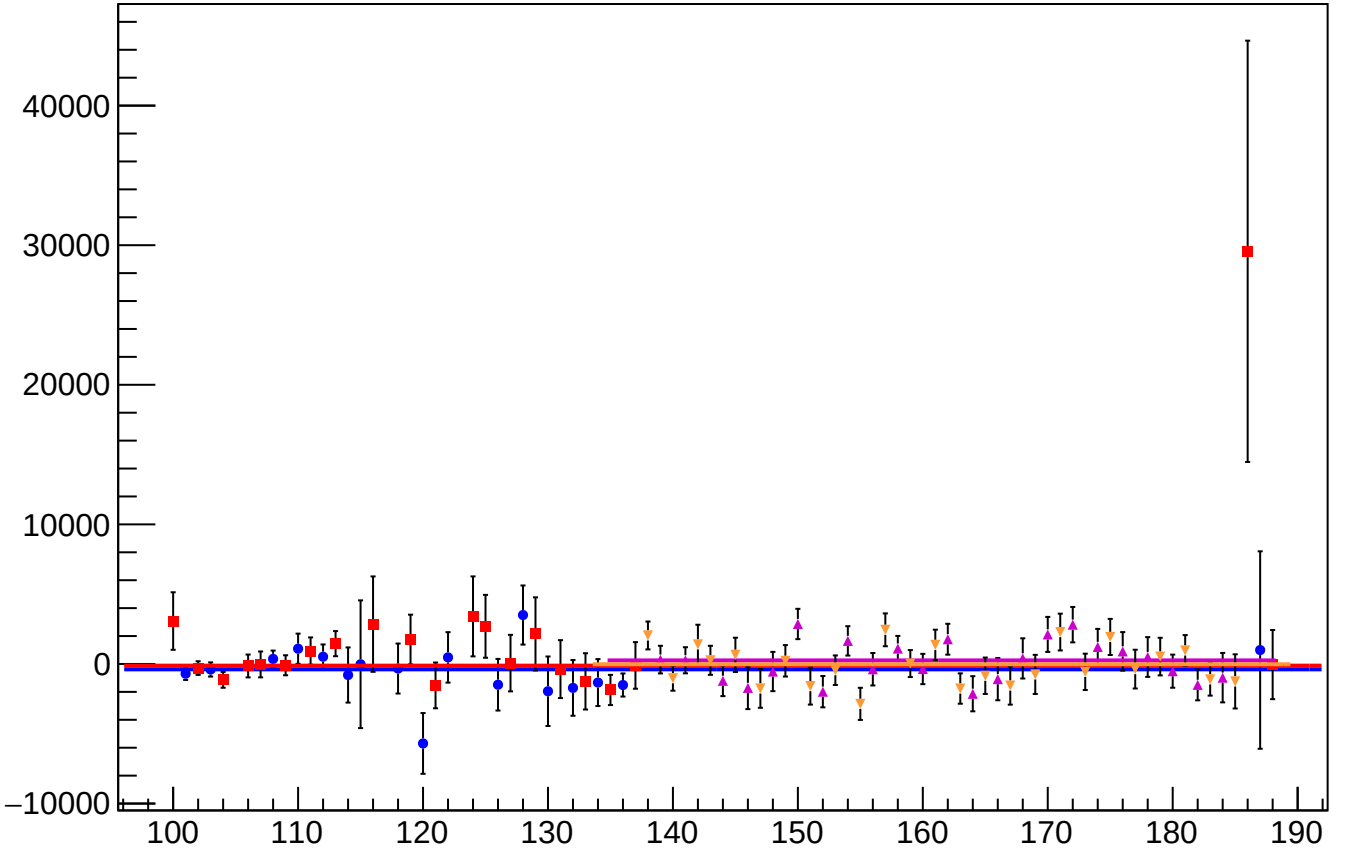
Right: 586.415+/-0.120 χ^2/NDF: 8616150.0/37

In: 807.152+/-0.123 χ^2/NDF:8340325.1/39

Out: 826.855+/-0.120 χ^2/NDF:9058849.7/45

All: 817.219+/-0.086 χ^2/NDF: 17412266.4/85

asym_sam6_mean vs Slug, Sign Corrected



Right In: -384.963+/-237.391 χ^2/NDF: 18.0/16

Left Out: -21.861+/-237.972 χ^2/NDF:34.5/24

Right Out: -120.489+/-237.117 χ^2/NDF: 23.3/20

Left In: 255.399+/-247.203 χ^2/NDF:33.6/22

Left: 111.496+/-171.442 χ^2/NDF: 68.7/47

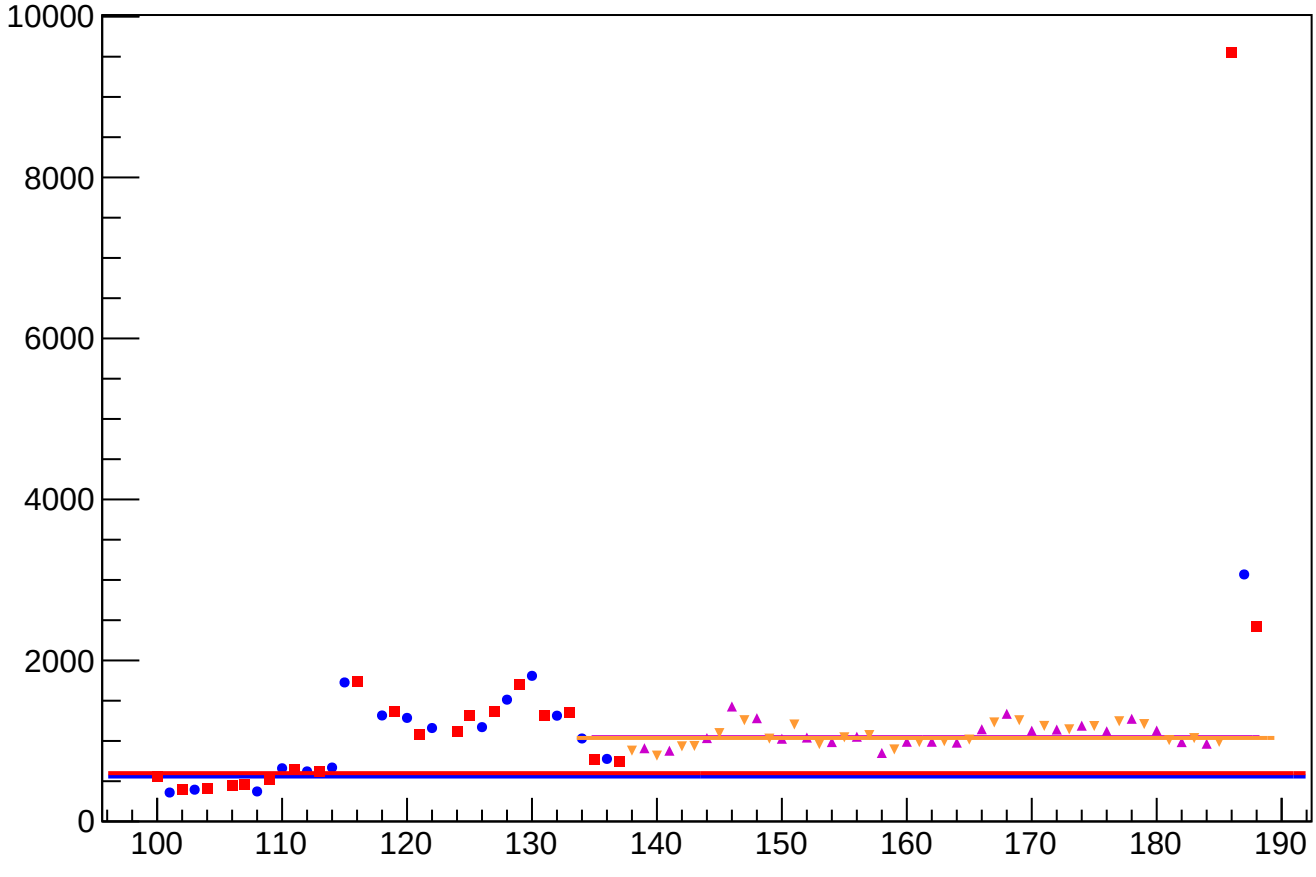
Right: -252.573+/-167.764 χ^2/NDF: 41.9/37

In: -77.742+/-171.224 χ^2/NDF:55.0/39

Out: -71.353+/-167.968 χ^2/NDF:57.8/45

All: -74.486+/-119.906 χ^2/NDF: 112.9/85

asym_sam6_rms vs Slug, Sign Corrected



Right In: 558.123+/-0.168 χ^2/NDF: 3734776.6/16

Left Out: 1037.324+/-0.168 χ^2/NDF:585511.9/24

Right Out: 600.090+/-0.168 χ^2/NDF: 4782401.9/20

Left In: 1047.629+/-0.175 χ^2/NDF:613357.0/22

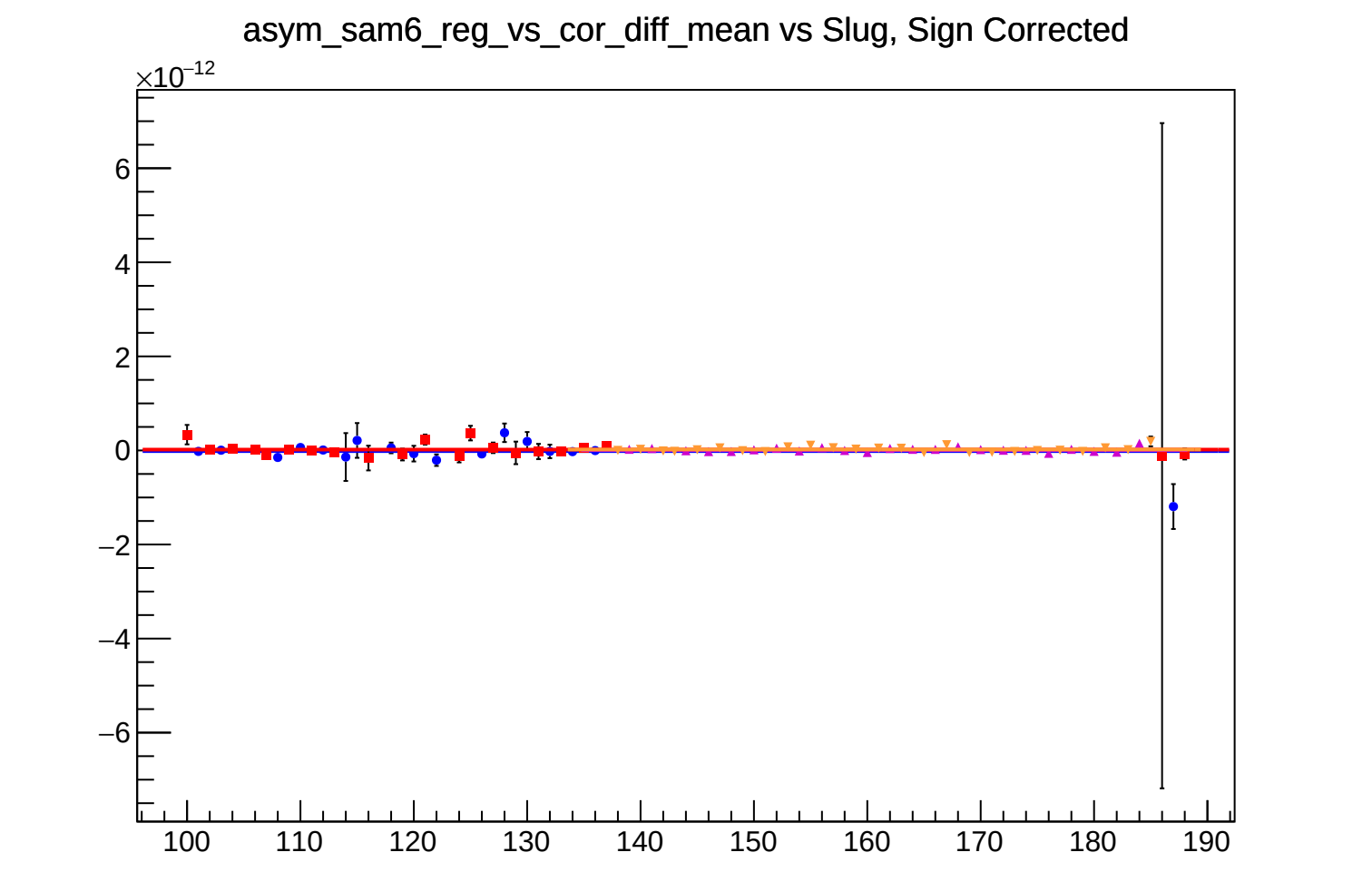
Left: 1042.281+/-0.121 χ^2/NDF: 1200672.6/47

Right: 579.131+/-0.119 χ^2/NDF: 8548466.1/37

In: 792.969+/-0.121 χ^2/NDF:8427965.6/39

Out: 817.920+/-0.119 χ^2/NDF:8755873.7/45

All: 805.684+/-0.085 χ^2/NDF: 17205481.4/85



Right In: -0.000+/-0.000 χ^2/NDF: 22.0/16

Left Out: 0.000+/-0.000 χ^2/NDF:30.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 20.5/20

Left In: 0.000+/-0.000 χ^2/NDF:18.6/22

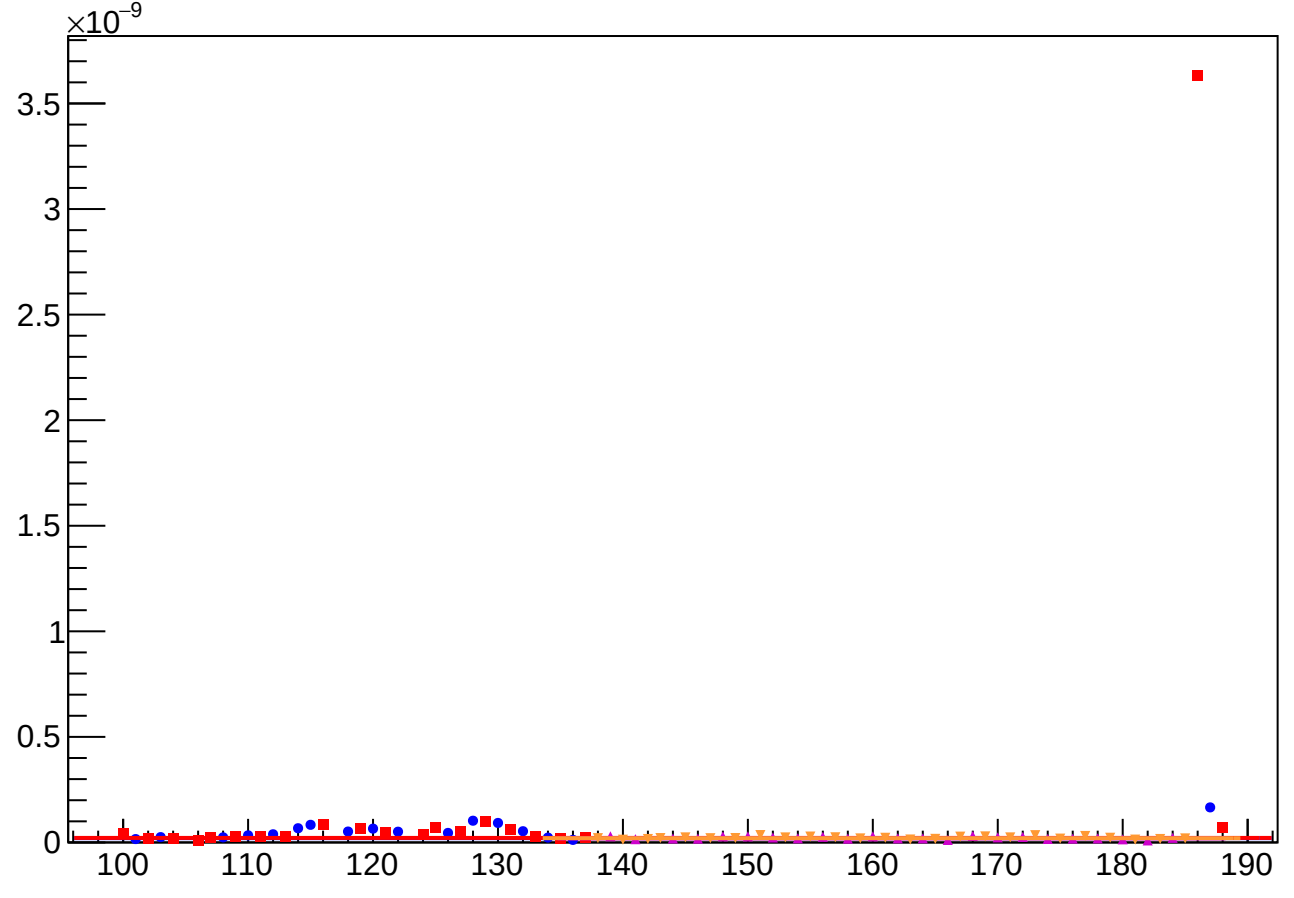
Left: 0.000+/-0.000 χ^2/NDF: 50.1/47

Right: 0.000+/-0.000 χ^2/NDF: 45.4/37

In: 0.000+/-0.000 χ^2/NDF:42.5/39

Out: 0.000+/-0.000 χ^2/NDF:50.5/45

All: 0.000+/-0.000 χ^2/NDF: 96.7/85



Right In: 0.000+/-0.000 χ^2/NDF: 2191234.8/16

Left Out: 0.000+/-0.000 χ^2/NDF:993542.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2715267.5/20

Left In: 0.000+/-0.000 χ^2/NDF:1048721.4/22

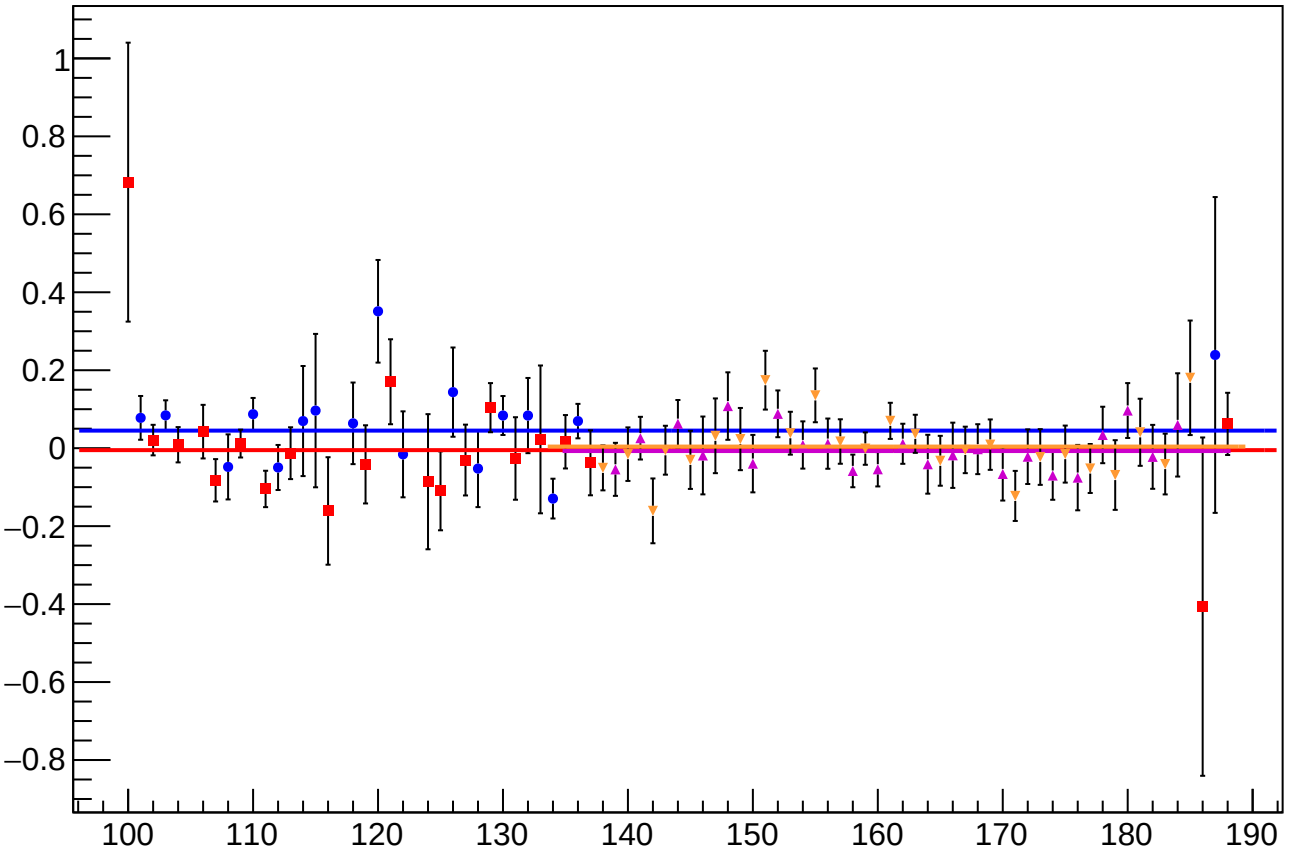
Left: 0.000+/-0.000 χ^2/NDF: 2058189.4/47

Right: 0.000+/-0.000 χ^2/NDF: 4913441.6/37

In: 0.000+/-0.000 χ^2/NDF:3251745.2/39

Out: 0.000+/-0.000 χ^2/NDF:3722371.2/45

All: 0.000+/-0.000 χ^2/NDF: 6995359.6/85



Right In: 0.045+/-0.016 χ^2/NDF: 26.8/16

Left Out: 0.004+/-0.013 χ^2/NDF:24.8/24

Right Out: -0.005+/-0.015 χ^2/NDF: 21.7/20

Left In: -0.007+/-0.014 χ^2/NDF:15.1/22

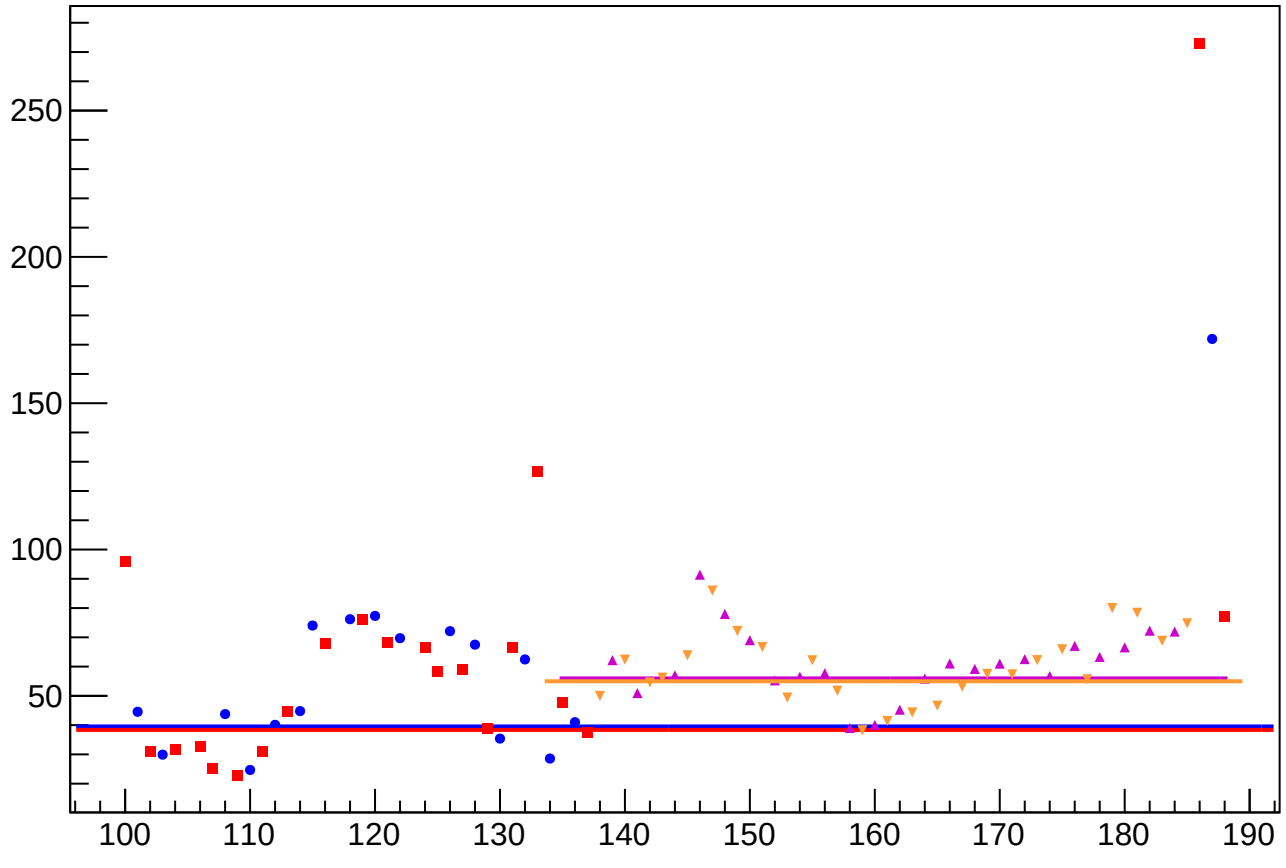
Left: -0.001+/-0.009 χ^2/NDF: 40.2/47

Right: 0.018+/-0.011 χ^2/NDF: 53.8/37

In: 0.014+/-0.010 χ^2/NDF:48.2/39

Out: 0.000+/-0.010 χ^2/NDF:46.8/45

All: 0.007+/-0.007 χ^2/NDF: 95.9/85



Right In: 39.542+/-0.011 χ^2/NDF: 1780558.3/16

Left Out: 54.986+/-0.009 χ^2/NDF:1566844.0/24

Right Out: 38.368+/-0.010 χ^2/NDF: 3173185.0/20

Left In: 55.956+/-0.010 χ^2/NDF:1406142.1/22

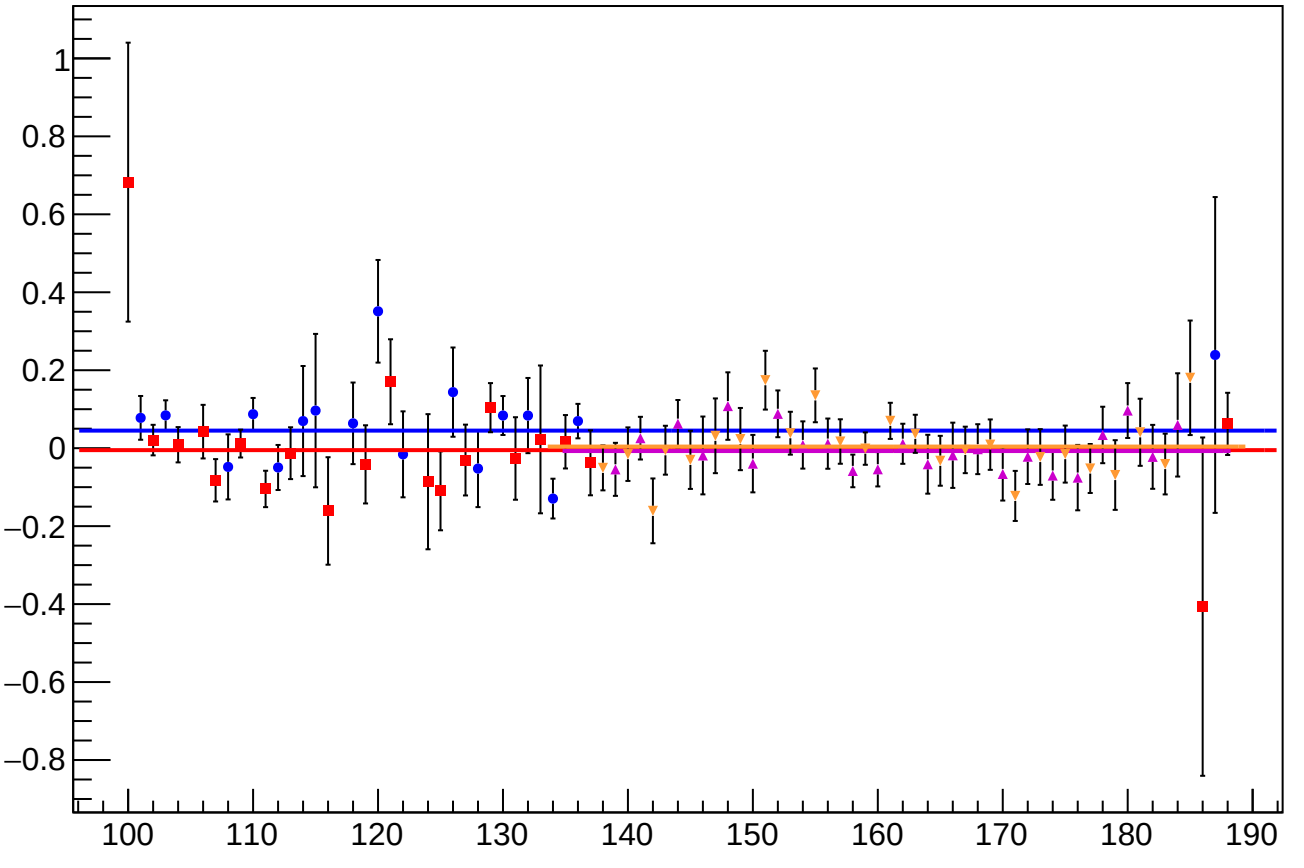
Left: 55.451+/-0.007 χ^2/NDF: 2978352.9/47

Right: 38.910+/-0.008 χ^2/NDF: 4959523.5/37

In: 49.124+/-0.007 χ^2/NDF:4414068.6/39

Out: 47.799+/-0.007 χ^2/NDF:6163556.1/45

All: 48.424+/-0.005 χ^2/NDF: 10595021.5/85



Right In: 0.045+/-0.016 χ^2/NDF: 26.8/16

Left Out: 0.004+/-0.013 χ^2/NDF:24.8/24

Right Out: -0.005+/-0.015 χ^2/NDF: 21.7/20

Left In: -0.007+/-0.014 χ^2/NDF:15.1/22

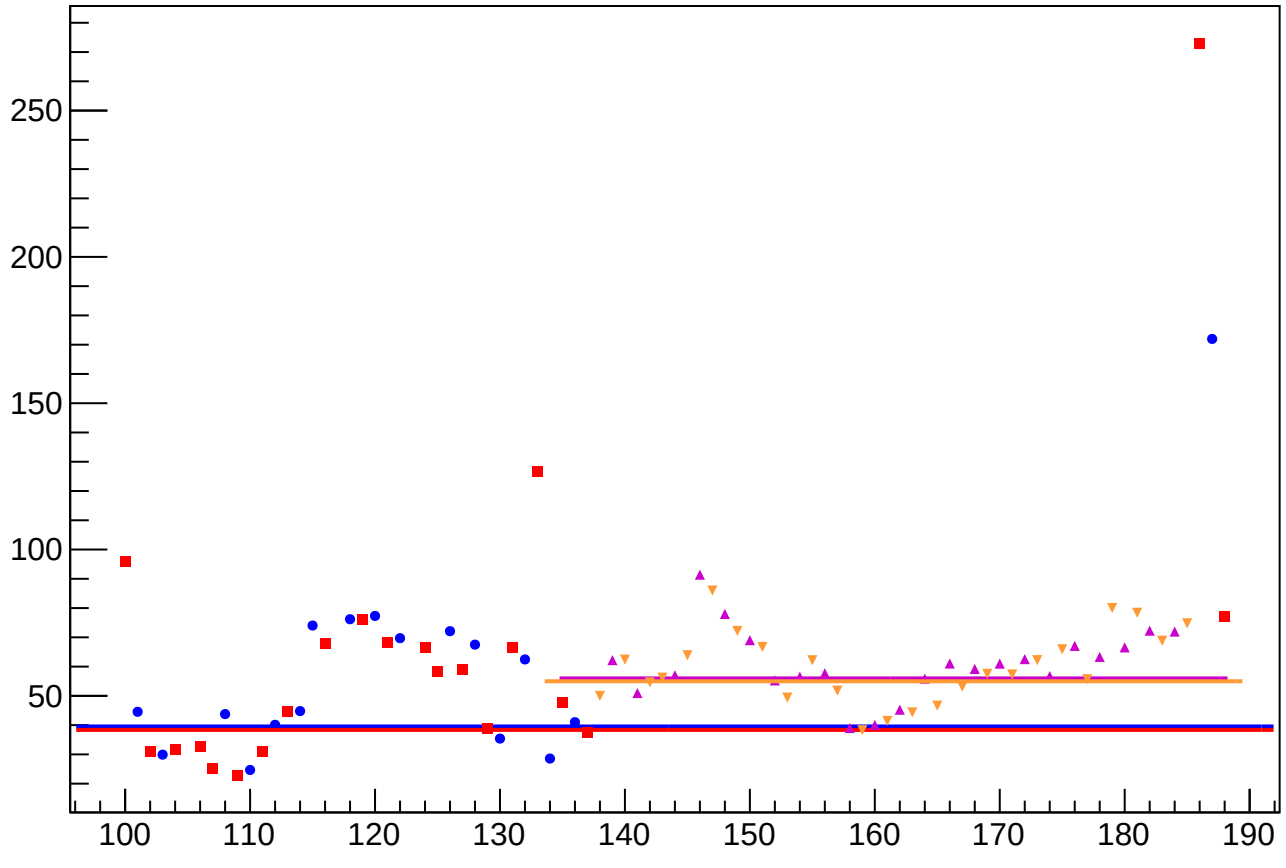
Left: -0.001+/-0.009 χ^2/NDF: 40.2/47

Right: 0.018+/-0.011 χ^2/NDF: 53.8/37

In: 0.014+/-0.010 χ^2/NDF:48.2/39

Out: 0.000+/-0.010 χ^2/NDF:46.8/45

All: 0.007+/-0.007 χ^2/NDF: 95.9/85



Right In: 39.542+/-0.011 χ^2/NDF: 1780558.3/16

Left Out: 54.986+/-0.009 χ^2/NDF:1566844.0/24

Right Out: 38.368+/-0.010 χ^2/NDF: 3173185.0/20

Left In: 55.956+/-0.010 χ^2/NDF:1406142.1/22

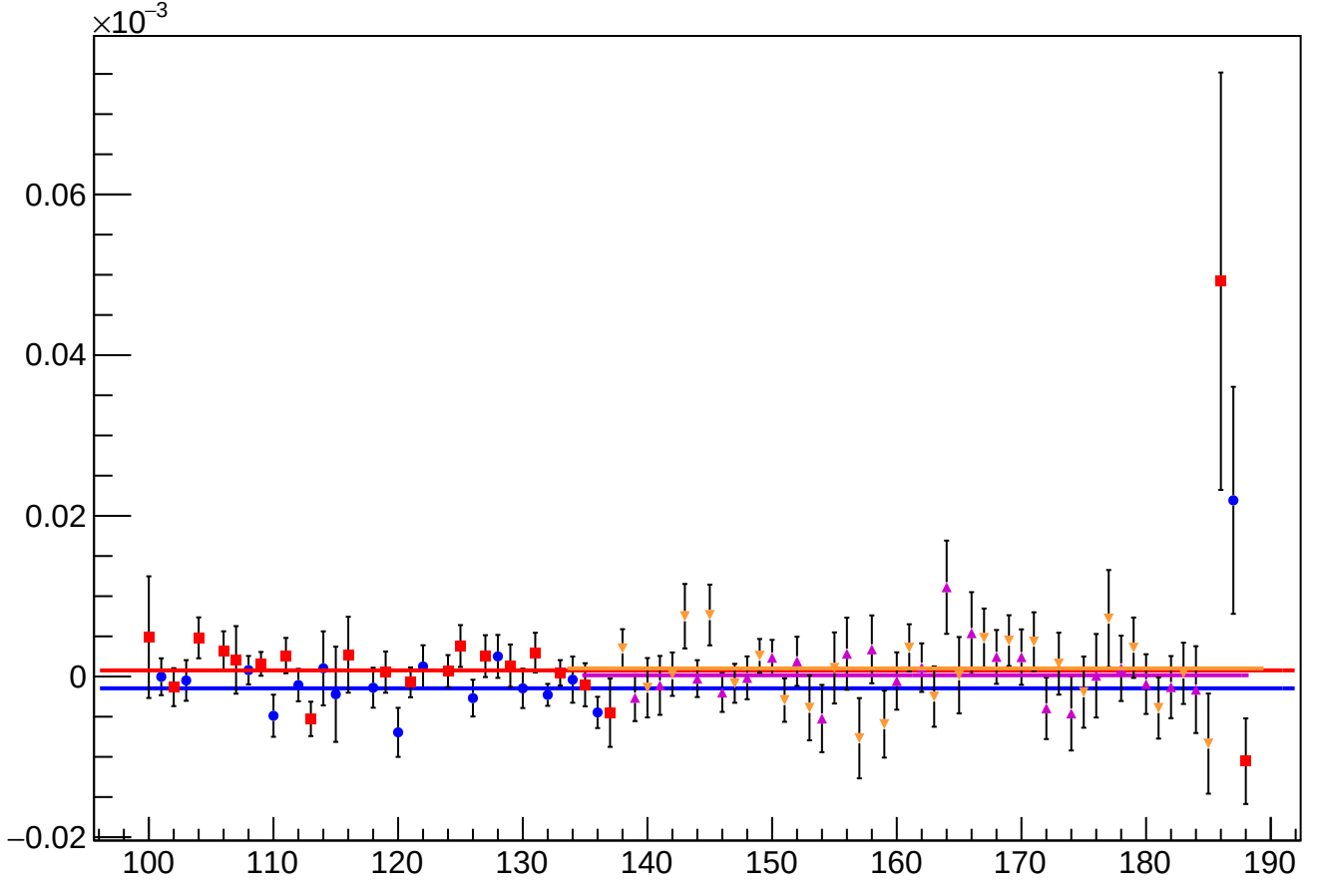
Left: 55.451+/-0.007 χ^2/NDF: 2978352.9/47

Right: 38.910+/-0.008 χ^2/NDF: 4959523.5/37

In: 49.124+/-0.007 χ^2/NDF:4414068.6/39

Out: 47.799+/-0.007 χ^2/NDF:6163556.1/45

All: 48.424+/-0.005 χ^2/NDF: 10595021.5/85



Right In: -0.000+/-0.000 χ^2/NDF: 16.6/16

Left Out: 0.000+/-0.000 χ^2/NDF:28.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 27.1/20

Left In: 0.000+/-0.000 χ^2/NDF:14.0/22

Left: 0.000+/-0.000 χ^2/NDF: 43.3/47

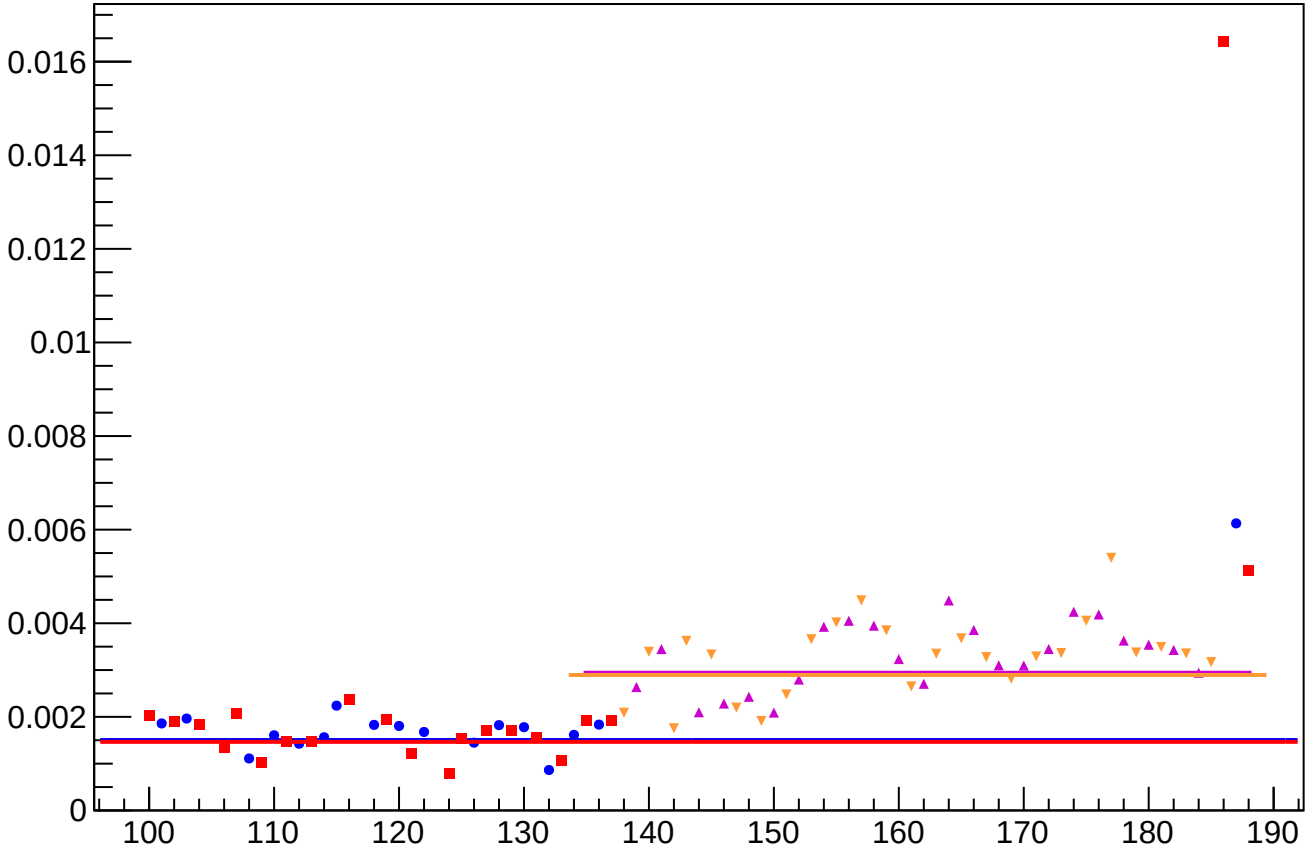
Right: -0.000+/-0.000 χ^2/NDF: 51.7/37

In: -0.000+/-0.000 χ^2/NDF:33.8/39

Out: 0.000+/-0.000 χ^2/NDF:55.7/45

All: 0.000+/-0.000 χ^2/NDF: 96.9/85

asym_sam6_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 1082460.2/16

Left Out: 0.003+/-0.000 χ^2/NDF:2642911.8/24

Right Out: 0.001+/-0.000 χ^2/NDF: 2623083.4/20

Left In: 0.003+/-0.000 χ^2/NDF:1890470.3/22

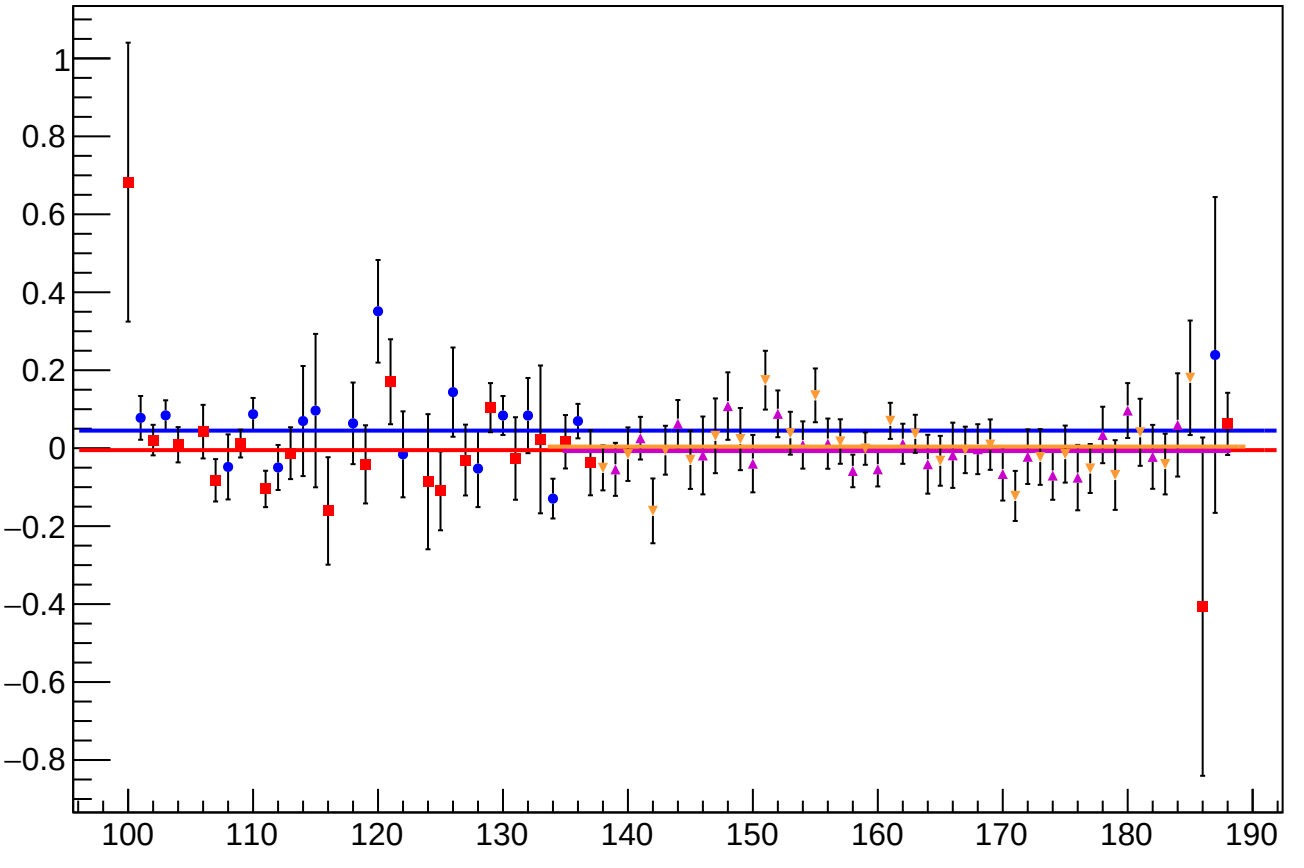
Left: 0.003+/-0.000 χ^2/NDF: 4538040.8/47

Right: 0.001+/-0.000 χ^2/NDF: 3710353.1/37

In: 0.002+/-0.000 χ^2/NDF:7884766.9/39

Out: 0.002+/-0.000 χ^2/NDF:10614772.7/45

All: 0.002+/-0.000 χ^2/NDF: 18523553.1/85



Right In: 0.045+/-0.016 χ^2/NDF: 26.8/16

Left Out: 0.004+/-0.013 χ^2/NDF:24.8/24

Right Out: -0.005+/-0.015 χ^2/NDF: 21.7/20

Left In: -0.007+/-0.014 χ^2/NDF:15.1/22

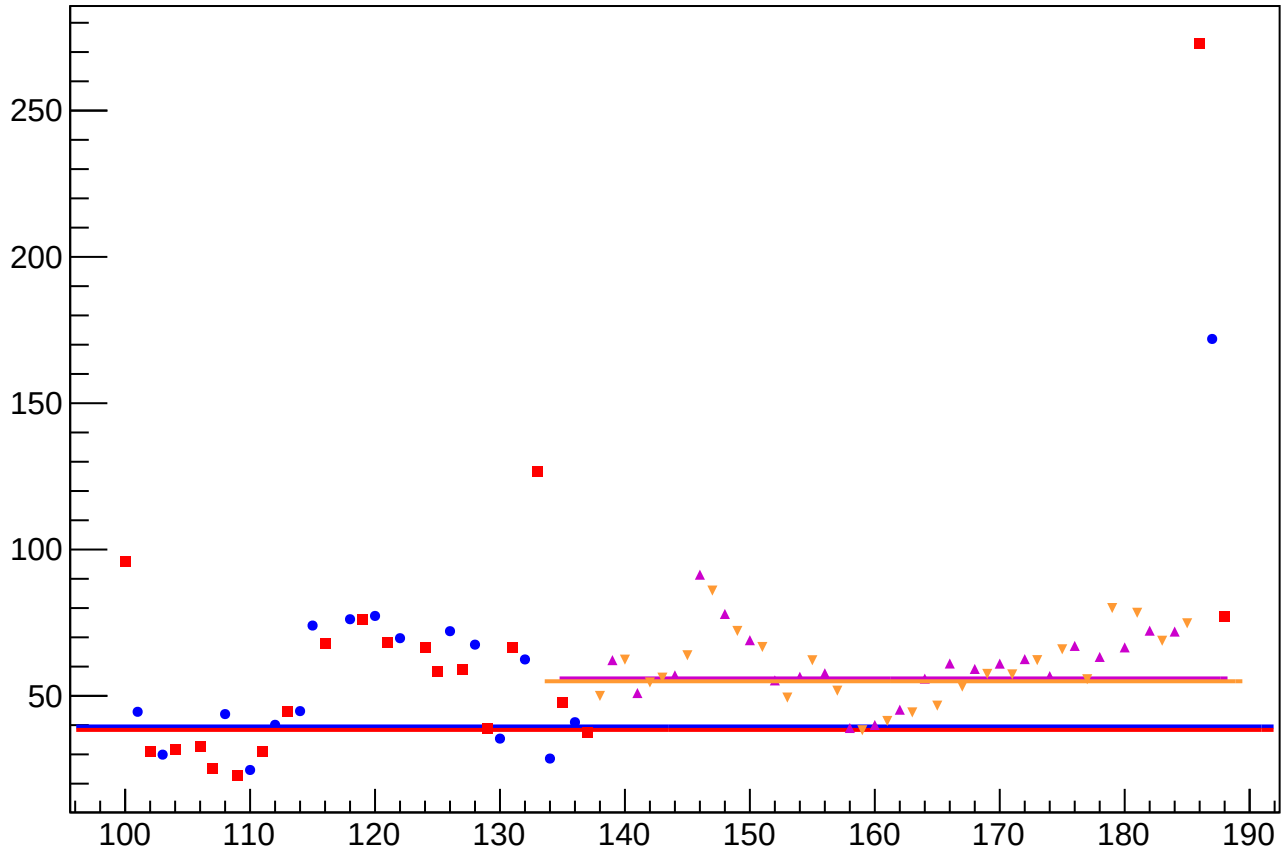
Left: -0.001+/-0.009 χ^2/NDF: 40.2/47

Right: 0.018+/-0.011 χ^2/NDF: 53.8/37

In: 0.014+/-0.010 χ^2/NDF:48.2/39

Out: 0.000+/-0.010 χ^2/NDF:46.8/45

All: 0.007+/-0.007 χ^2/NDF: 95.9/85



Right In: 39.541+/-0.011 χ^2/NDF: 1780578.1/16

Left Out: 54.985+/-0.009 χ^2/NDF:1566963.9/24

Right Out: 38.368+/-0.010 χ^2/NDF: 3173144.2/20

Left In: 55.955+/-0.010 χ^2/NDF:1406309.5/22

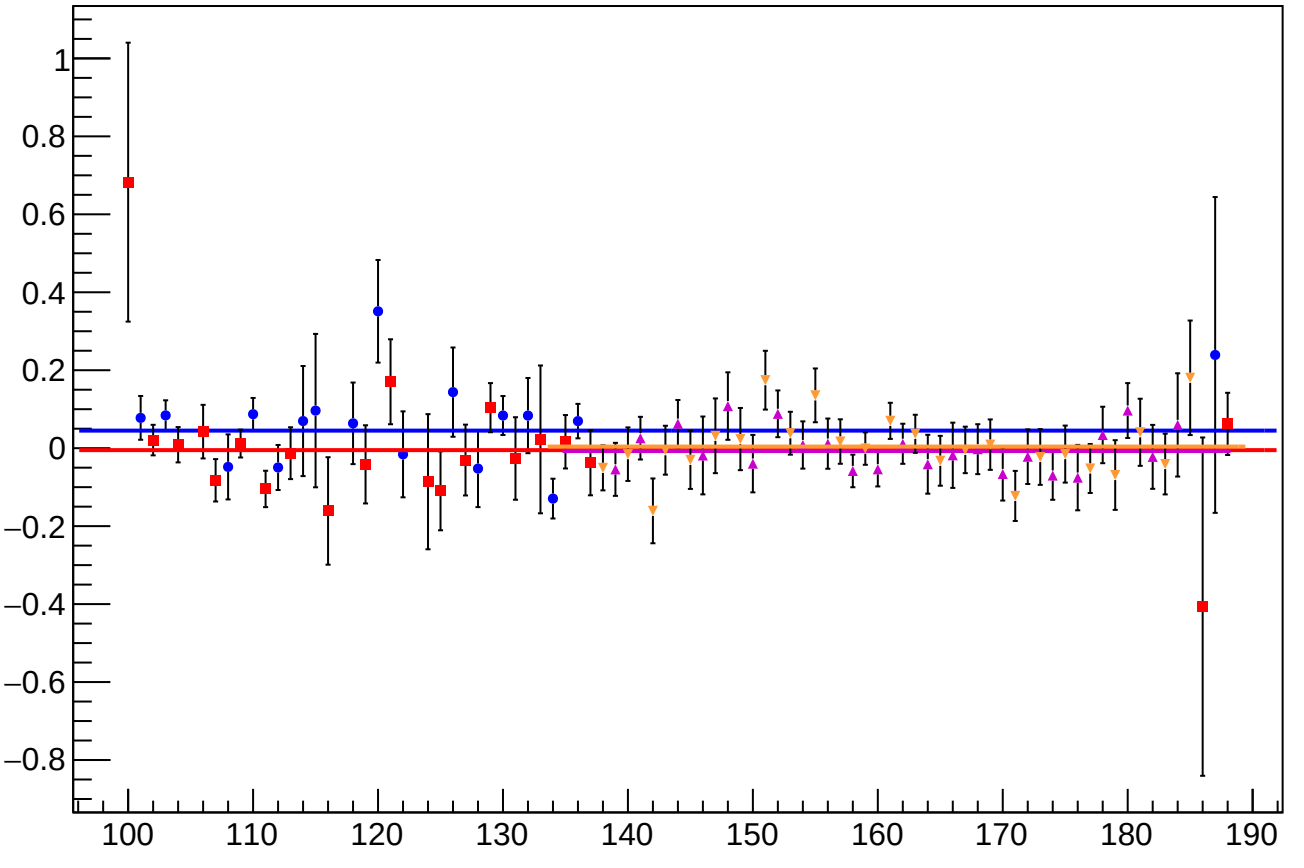
Left: 55.449+/-0.007 χ^2/NDF: 2978638.3/47

Right: 38.910+/-0.008 χ^2/NDF: 4959499.9/37

In: 49.123+/-0.007 χ^2/NDF:4414197.0/39

Out: 47.798+/-0.007 χ^2/NDF:6163546.3/45

All: 48.423+/-0.005 χ^2/NDF: 10595134.3/85



Right In: 0.045+/-0.016 χ^2/NDF: 26.8/16

Left Out: 0.004+/-0.013 χ^2/NDF:24.8/24

Right Out: -0.005+/-0.015 χ^2/NDF: 21.7/20

Left In: -0.007+/-0.014 χ^2/NDF:15.1/22

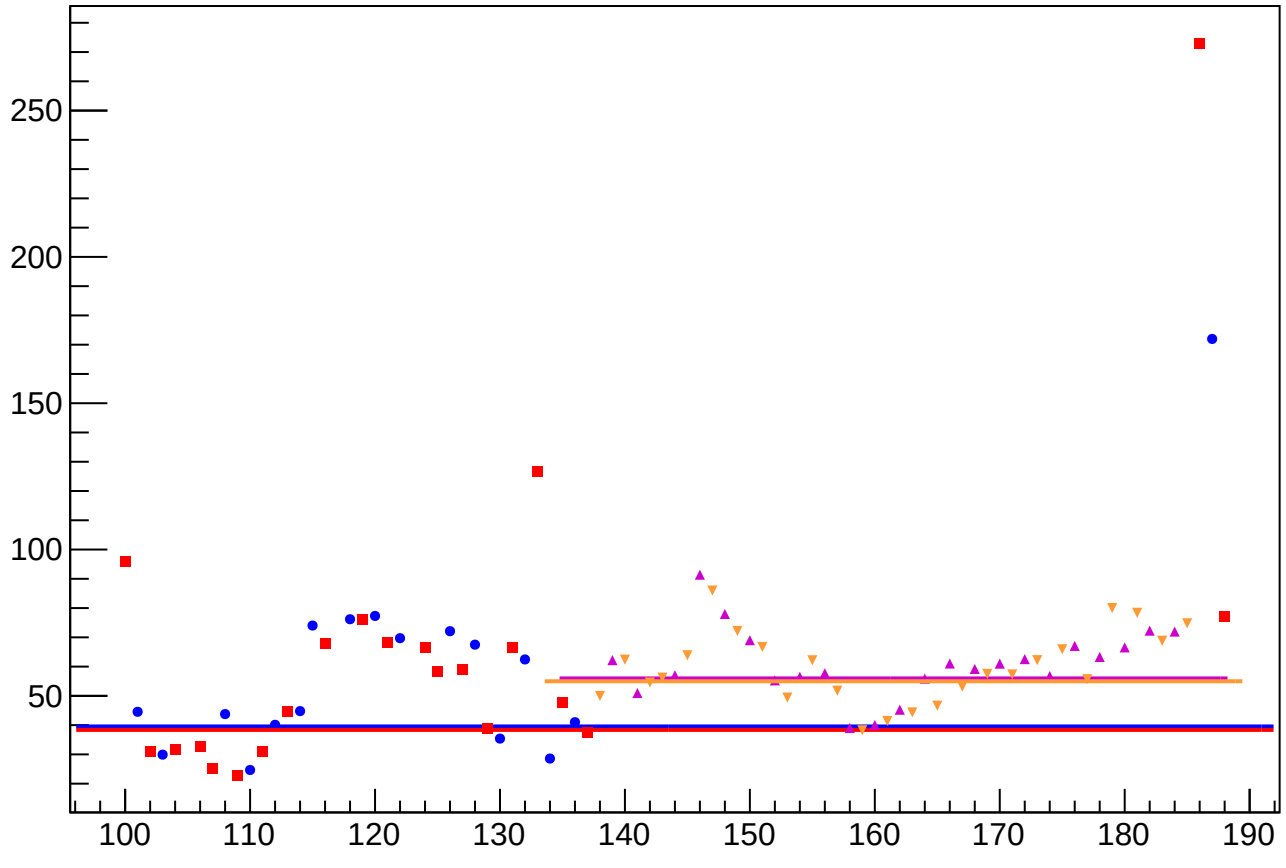
Left: -0.001+/-0.009 χ^2/NDF: 40.2/47

Right: 0.018+/-0.011 χ^2/NDF: 53.8/37

In: 0.014+/-0.010 χ^2/NDF:48.2/39

Out: 0.000+/-0.010 χ^2/NDF:46.8/45

All: 0.007+/-0.007 χ^2/NDF: 95.9/85



Right In: 39.541+/-0.011 χ^2/NDF: 1780578.1/16

Left Out: 54.985+/-0.009 χ^2/NDF:1566963.9/24

Right Out: 38.368+/-0.010 χ^2/NDF: 3173144.2/20

Left In: 55.955+/-0.010 χ^2/NDF:1406309.5/22

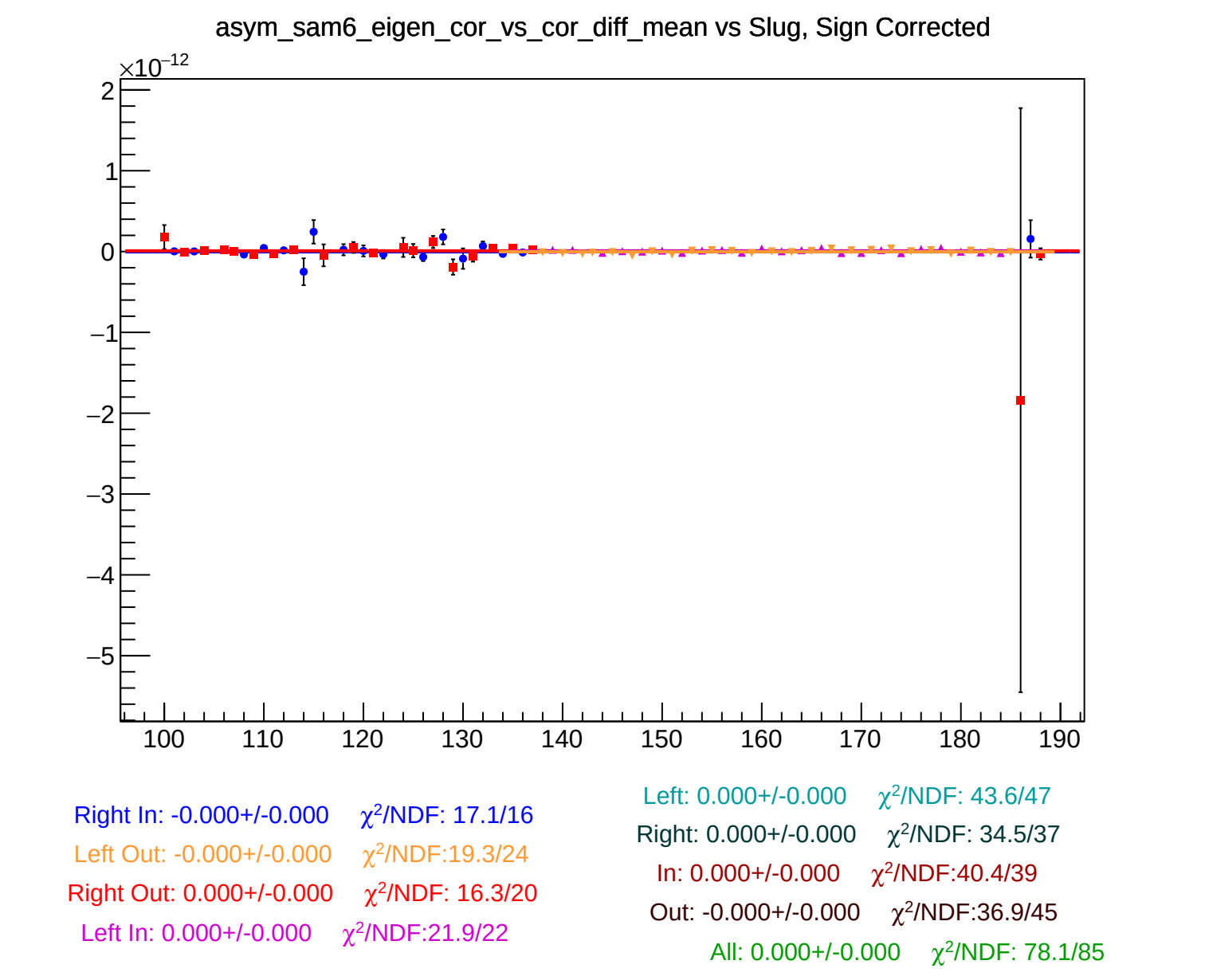
Left: 55.449+/-0.007 χ^2/NDF: 2978638.3/47

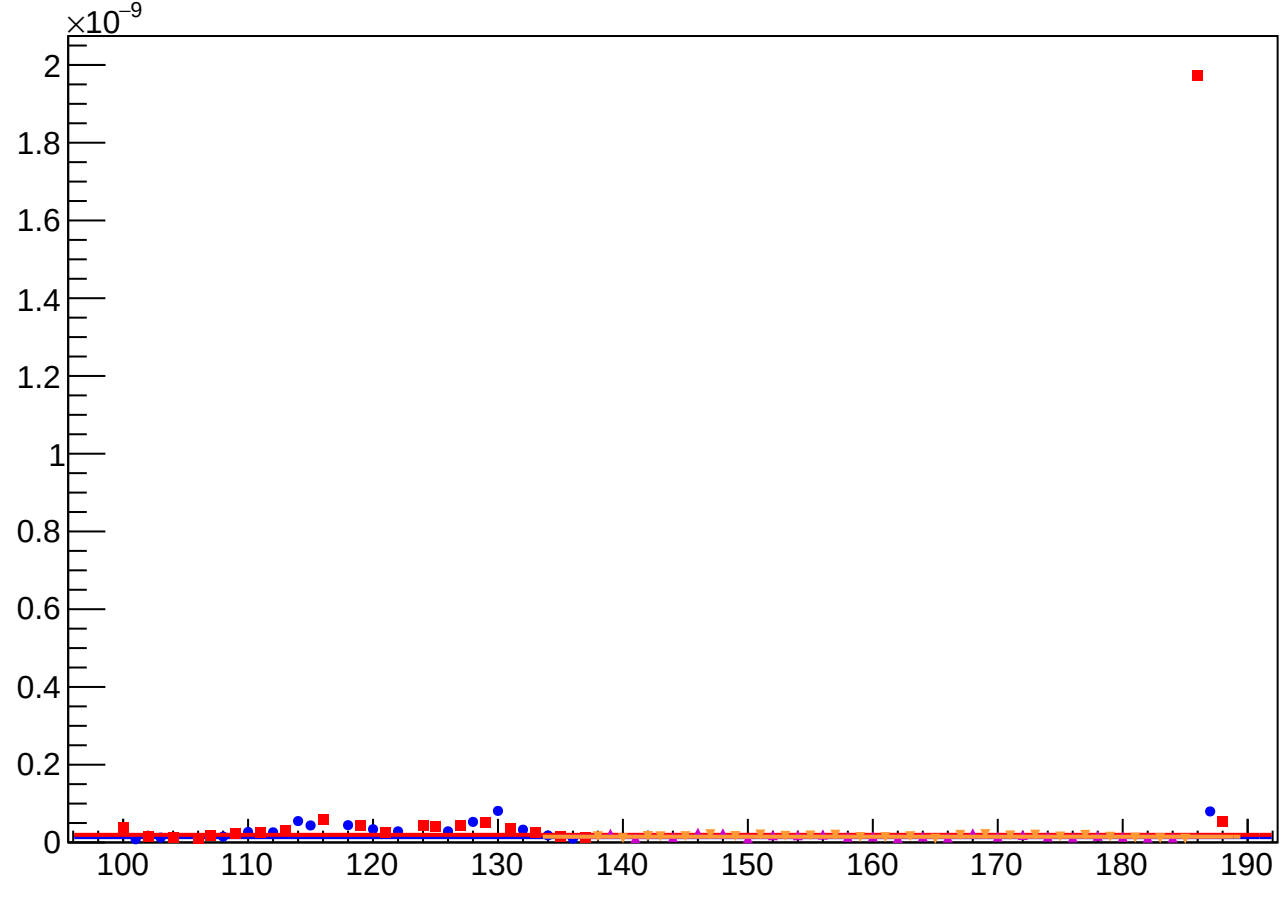
Right: 38.910+/-0.008 χ^2/NDF: 4959499.9/37

In: 49.123+/-0.007 χ^2/NDF:4414197.0/39

Out: 47.798+/-0.007 χ^2/NDF:6163546.3/45

All: 48.423+/-0.005 χ^2/NDF: 10595134.3/85


asym_sam6_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
1
0
−1
−2
−3
−4
−5
100
110
120
130
140
150
160
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 17.1/16
Left Out: -0.000+/-0.000 χ²/NDF:19.3/24
Right Out: 0.000+/-0.000 χ²/NDF: 16.3/20
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: 34.5/37
In: 0.000+/-0.000 χ²/NDF:40.4/39
Out: -0.000+/-0.000 χ²/NDF:36.9/45
All: 0.000+/-0.000 χ²/NDF: 78.1/85



Right In: 0.000+/-0.000 χ^2/NDF: 3350335.1/16

Left Out: 0.000+/-0.000 χ^2/NDF:1401850.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3137546.4/20

Left In: 0.000+/-0.000 χ^2/NDF:1427121.6/22

Left: 0.000+/-0.000 χ^2/NDF: 2830255.7/47

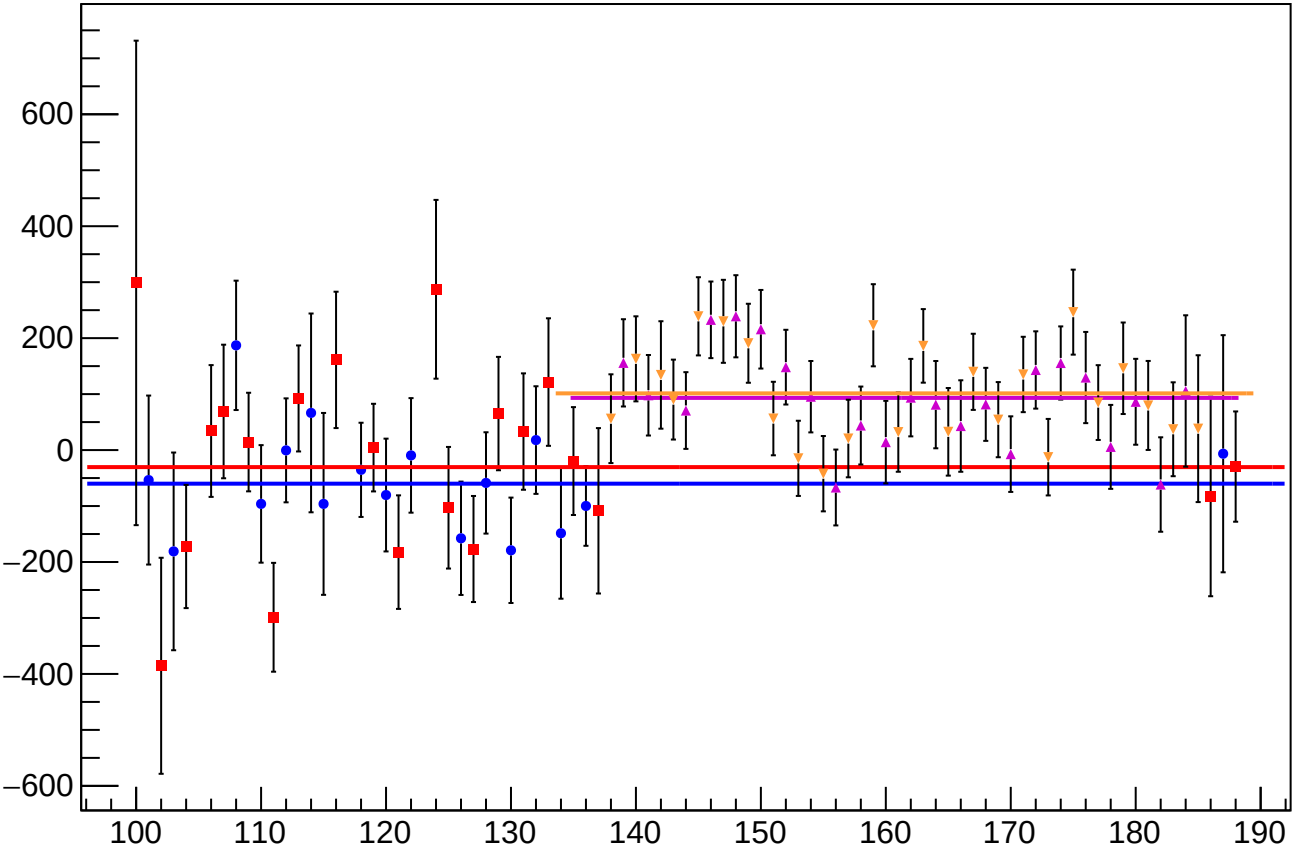
Right: 0.000+/-0.000 χ^2/NDF: 7023231.4/37

In: 0.000+/-0.000 χ^2/NDF:4824613.3/39

Out: 0.000+/-0.000 χ^2/NDF:5018767.1/45

All: 0.000+/-0.000 χ^2/NDF: 9916218.8/85

reg_asym_sam7_mean vs Slug, Sign Corrected



Right In: -60.037+/-25.859 χ^2/NDF: 10.6/16

Left Out: 101.325+/-14.642 χ^2/NDF:33.9/24

Right Out: -30.431+/-24.105 χ^2/NDF: 31.3/20

Left In: 93.236+/-15.137 χ^2/NDF:28.8/22

Left: 97.415+/-10.524 χ^2/NDF: 62.9/47

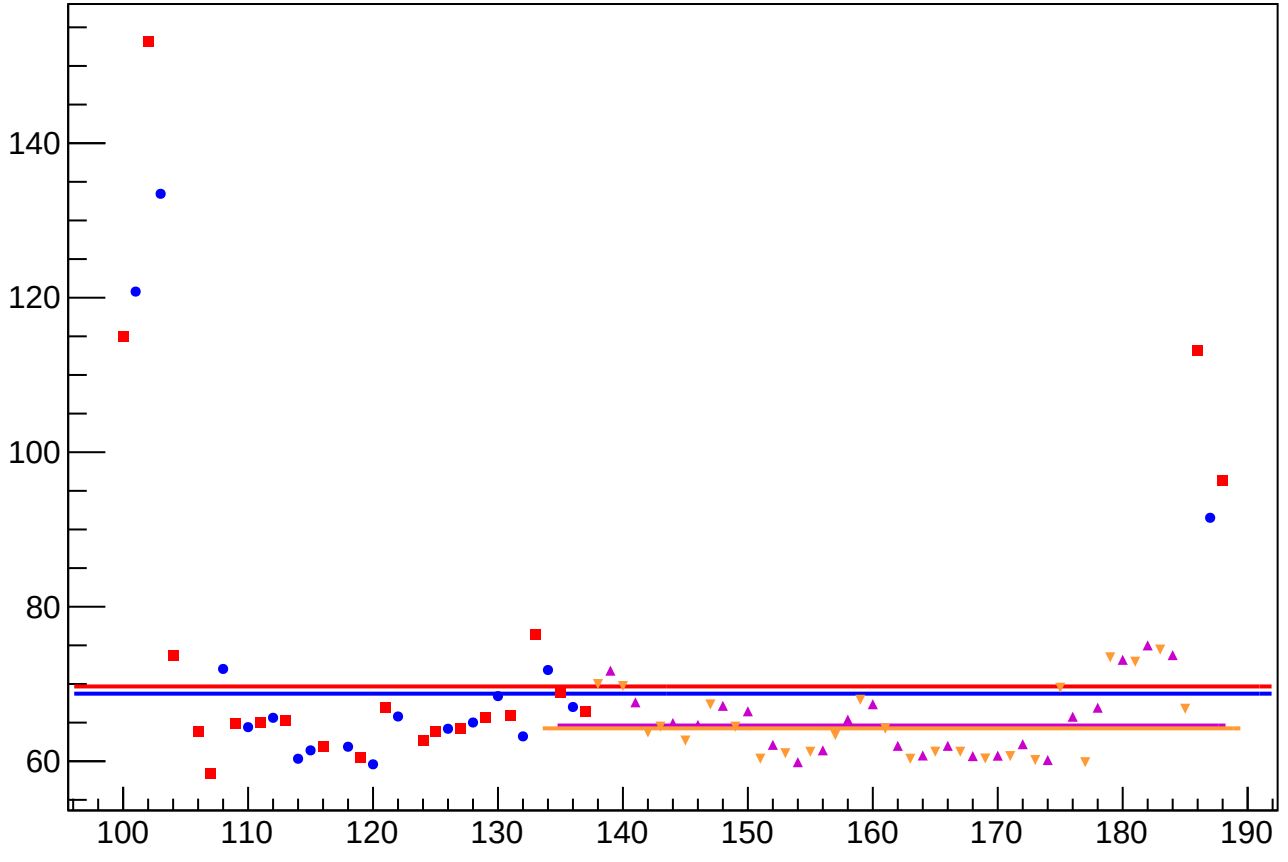
Right: -44.196+/-17.632 χ^2/NDF: 42.6/37

In: 54.121+/-13.063 χ^2/NDF:65.6/39

Out: 65.814+/-12.514 χ^2/NDF:87.0/45

All: 60.219+/-9.037 χ^2/NDF: 153.1/85

reg_asym_sam7_rms vs Slug, Sign Corrected



Right In: 68.748+/-0.018 χ^2/NDF: 592999.6/16

Left Out: 64.256+/-0.010 χ^2/NDF:177697.9/24

Right Out: 69.679+/-0.017 χ^2/NDF: 768604.5/20

Left In: 64.621+/-0.011 χ^2/NDF:147201.3/22

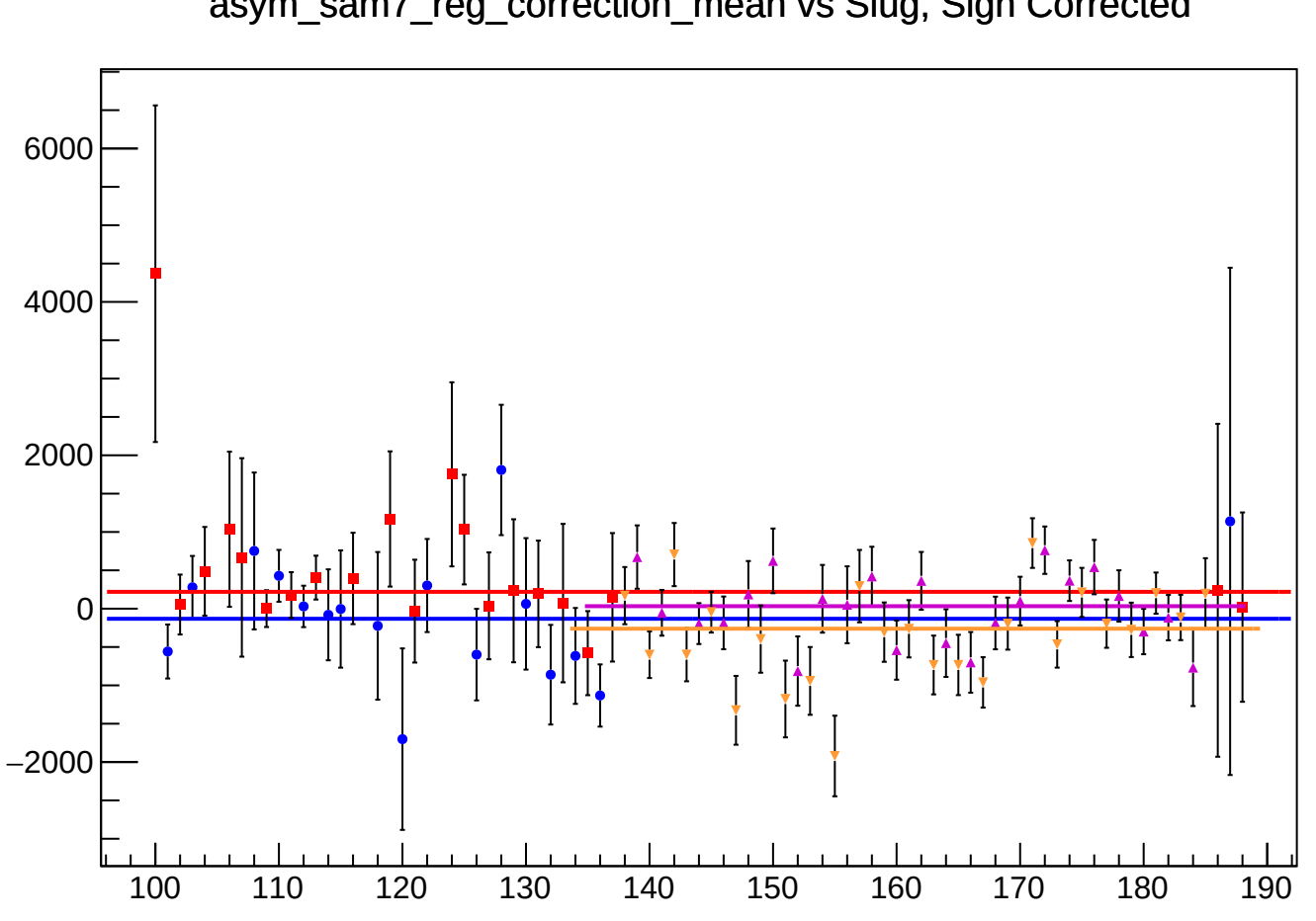
Left: 64.432+/-0.007 χ^2/NDF: 325501.9/47

Right: 69.246+/-0.012 χ^2/NDF: 1362993.8/37

In: 65.674+/-0.009 χ^2/NDF:778131.3/39

Out: 65.717+/-0.009 χ^2/NDF:1020269.9/45

All: 65.697+/-0.006 χ^2/NDF: 1798412.5/85



Right In: -131.749+/-125.812 χ^2/NDF: 22.6/16

Left Out: -261.124+/-71.268 χ^2/NDF:58.8/24

Right Out: 219.568+/-117.079 χ^2/NDF: 12.6/20

Left In: 32.423+/-73.837 χ^2/NDF:31.7/22

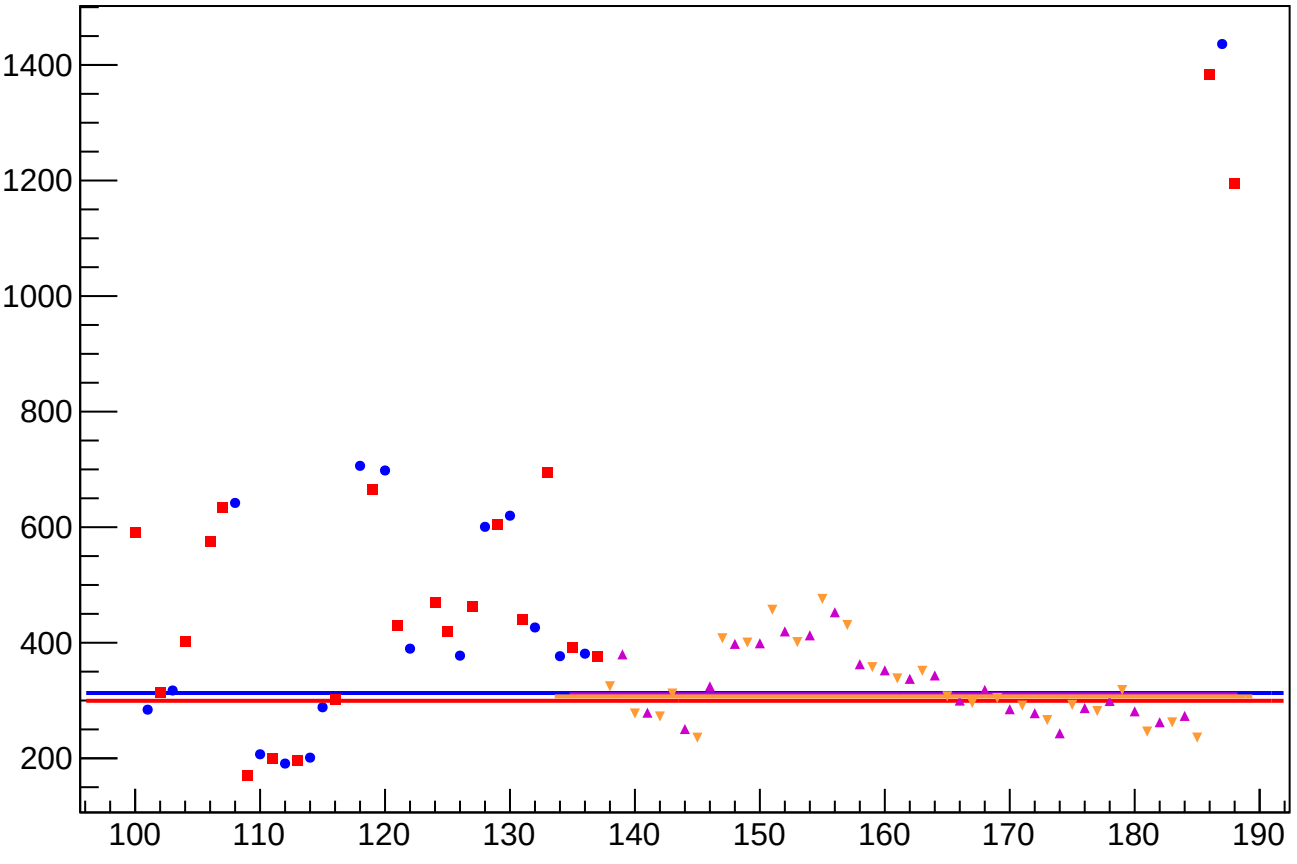
Left: -119.545+/-51.278 χ^2/NDF: 98.7/47

Right: 56.525+/-85.709 χ^2/NDF: 39.4/37

In: -9.636+/-63.680 χ^2/NDF:55.6/39

Out: -131.164+/-60.877 χ^2/NDF:83.7/45

All: -73.134+/-44.004 χ^2/NDF: 141.2/85



Right In: 313.014+/-0.089 χ^2/NDF: 2354849.1/16

Left Out: 307.143+/-0.050 χ^2/NDF:1320151.2/24

Right Out: 299.543+/-0.083 χ^2/NDF: 4283546.3/20

Left In: 310.697+/-0.052 χ^2/NDF:1079476.2/22

Left: 308.857+/-0.036 χ^2/NDF: 2402026.6/47

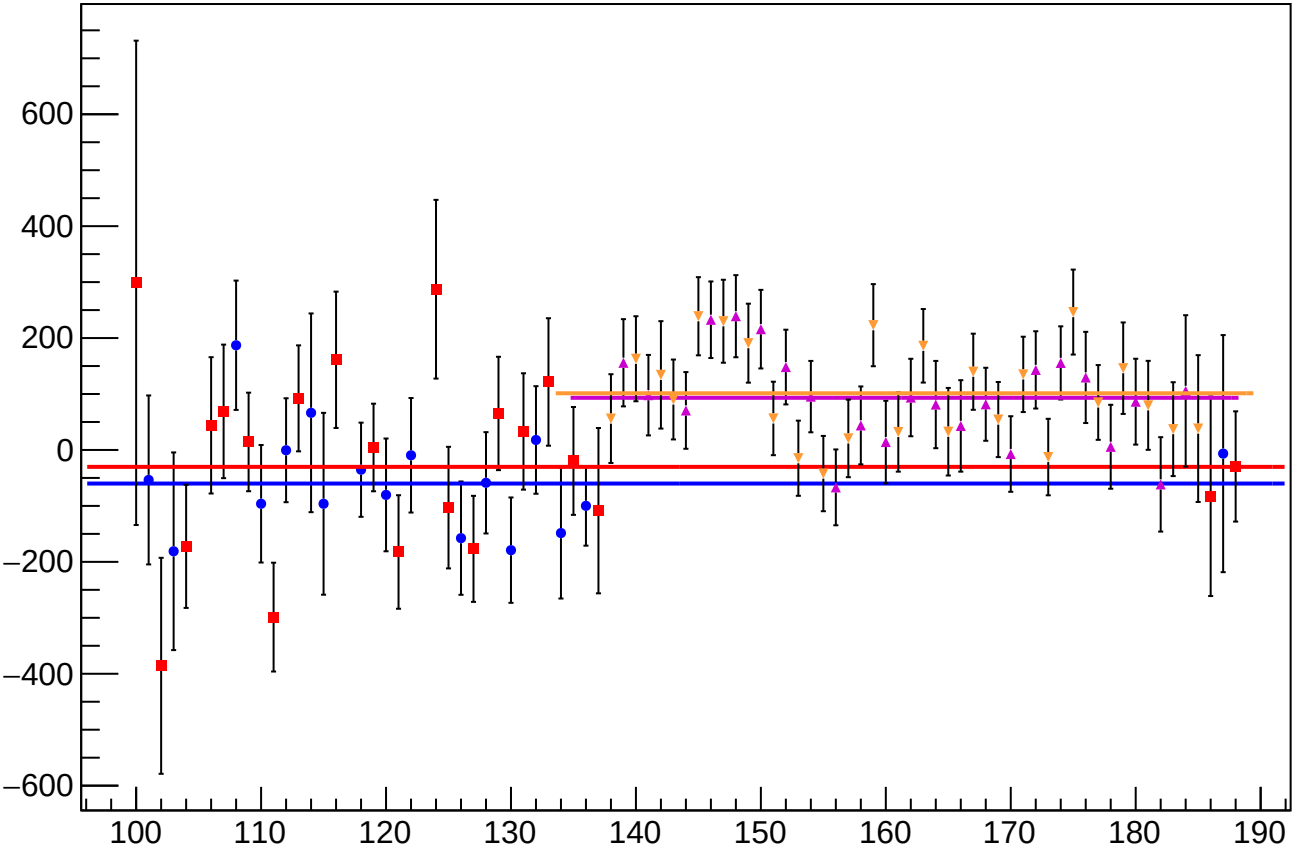
Right: 305.795+/-0.061 χ^2/NDF: 6650683.8/37

In: 311.291+/-0.045 χ^2/NDF:3434829.7/39

Out: 305.088+/-0.043 χ^2/NDF:5609847.2/45

All: 308.050+/-0.031 χ^2/NDF: 9054591.0/85

cor_asym_sam7_mean vs Slug, Sign Corrected



Right In: -60.039+/-25.859 χ^2/NDF: 10.6/16

Left Out: 101.325+/-14.642 χ^2/NDF:33.9/24

Right Out: -30.218+/-24.138 χ^2/NDF: 31.4/20

Left In: 93.235+/-15.137 χ^2/NDF:28.8/22

Left: 97.414+/-10.524 χ^2/NDF: 62.9/47

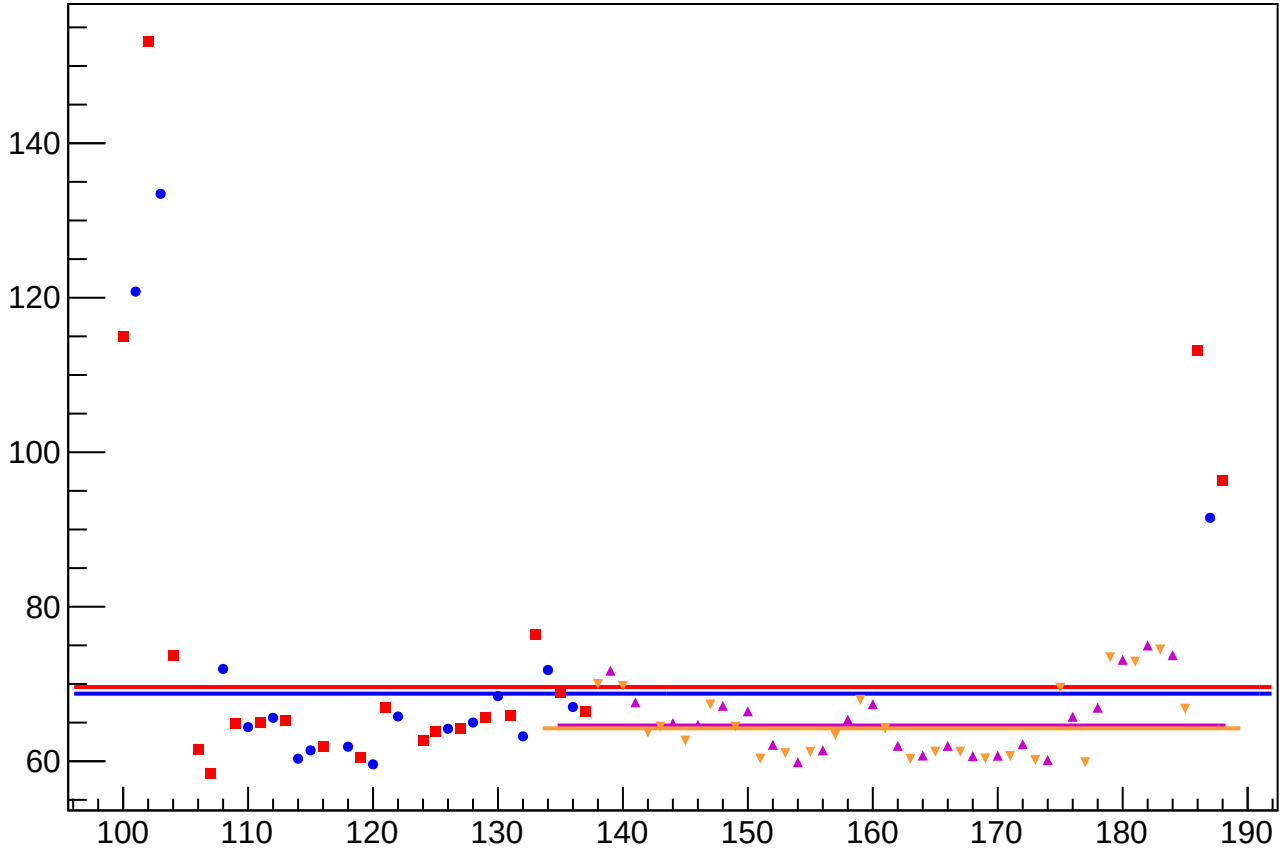
Right: -44.103+/-17.645 χ^2/NDF: 42.7/37

In: 54.120+/-13.063 χ^2/NDF:65.6/39

Out: 65.943+/-12.519 χ^2/NDF:87.0/45

All: 60.283+/-9.038 χ^2/NDF: 153.0/85

cor_asym_sam7_rms vs Slug, Sign Corrected



Right In: 68.748+/-0.018 χ^2/NDF: 593000.0/16

Left Out: 64.256+/-0.010 χ^2/NDF:177697.9/24

Right Out: 69.603+/-0.017 χ^2/NDF: 772714.6/20

Left In: 64.621+/-0.011 χ^2/NDF:147201.3/22

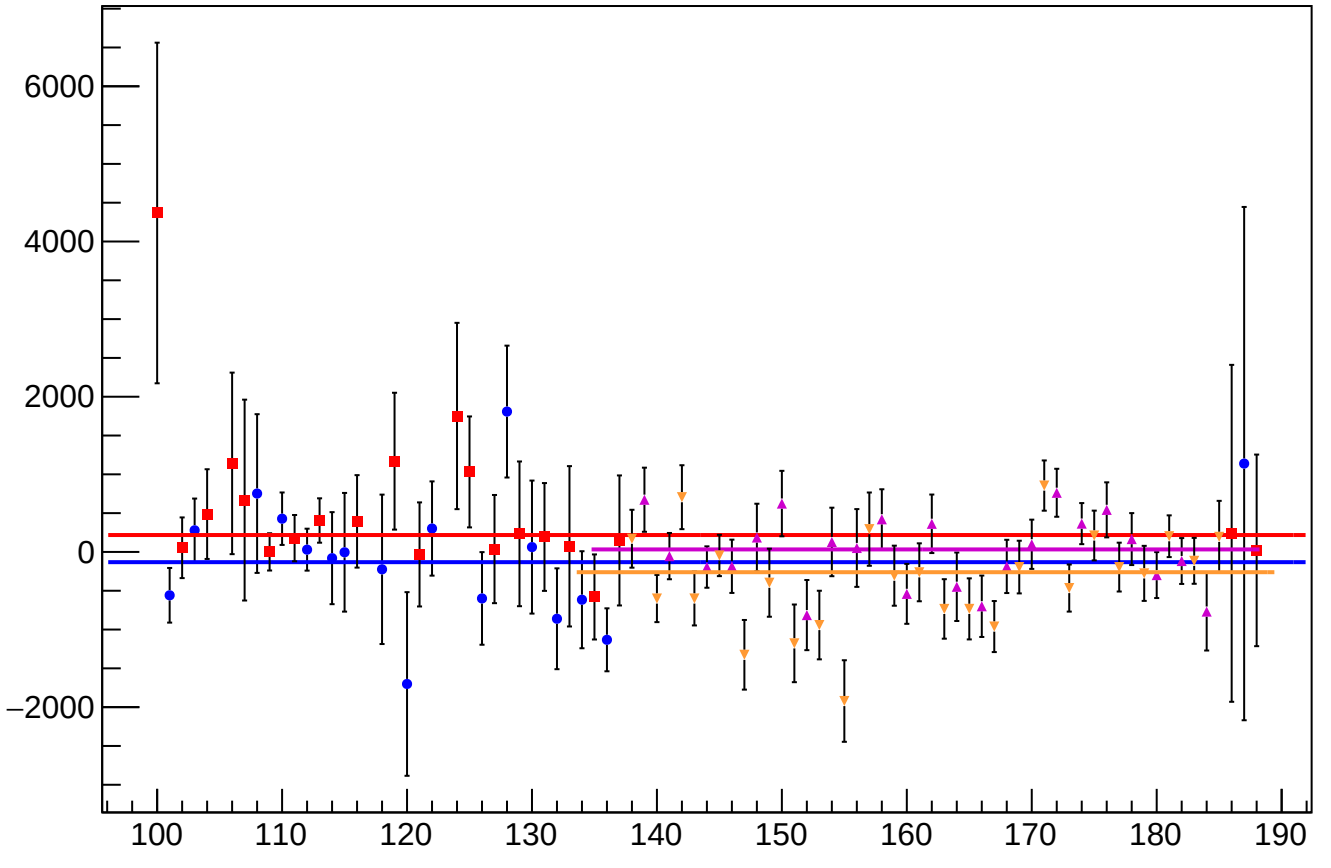
Left: 64.432+/-0.007 χ^2/NDF: 325501.9/47

Right: 69.204+/-0.012 χ^2/NDF: 1366883.0/37

In: 65.674+/-0.009 χ^2/NDF:778131.6/39

Out: 65.694+/-0.009 χ^2/NDF:1022155.0/45

All: 65.684+/-0.006 χ^2/NDF: 1800288.9/85



Right In: -131.746+/-125.813 χ^2/NDF: 22.6/16

Left Out: -261.124+/-71.268 χ^2/NDF:58.8/24

Right Out: 217.874+/-117.283 χ^2/NDF: 12.5/20

Left In: 32.420+/-73.837 χ^2/NDF:31.7/22

Left: -119.547+/-51.278 χ^2/NDF: 98.7/47

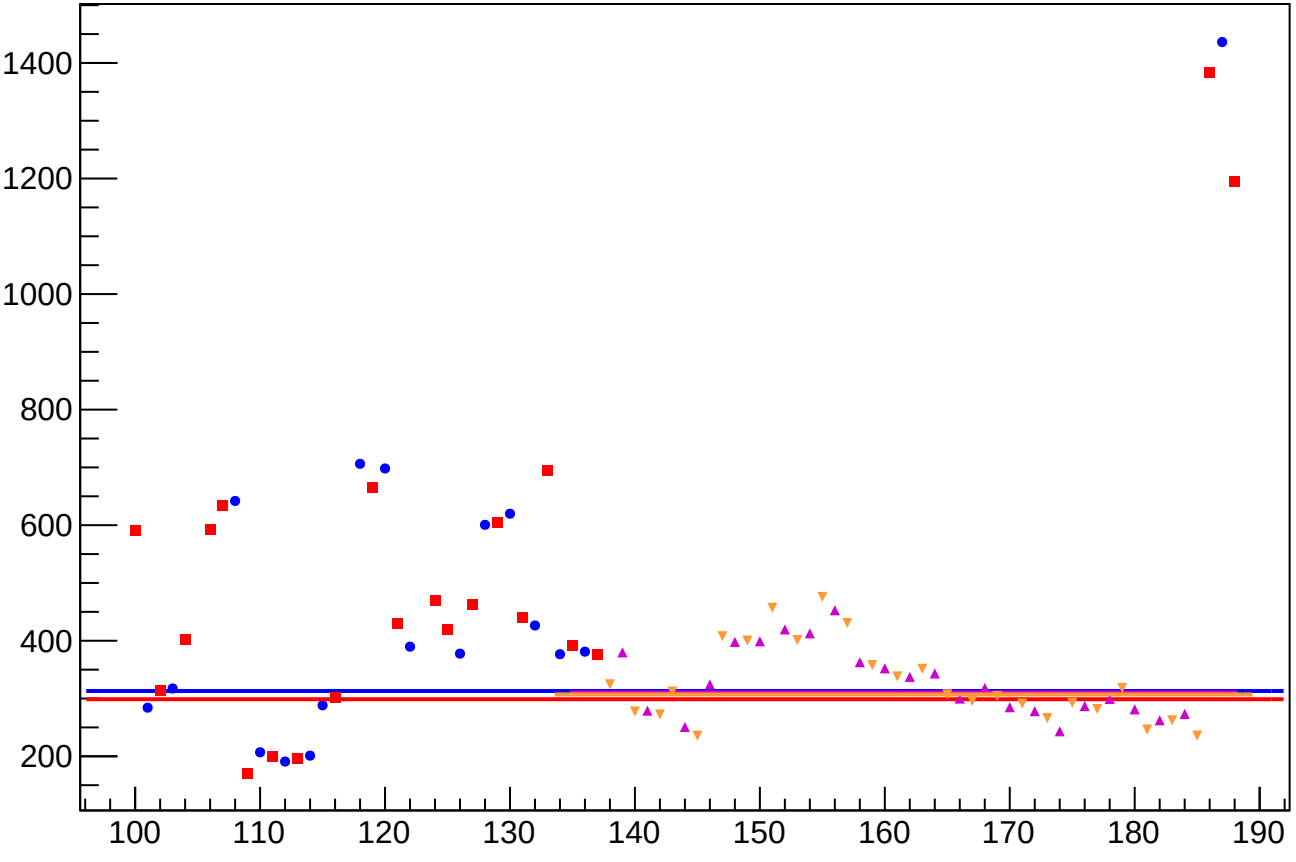
Right: 55.318+/-85.789 χ^2/NDF: 39.3/37

In: -9.638+/-63.680 χ^2/NDF:55.6/39

Out: -131.950+/-60.905 χ^2/NDF:83.5/45

All: -73.517+/-44.015 χ^2/NDF: 141.1/85

asym_sam7_cor_correction_rms vs Slug, Sign Corrected



Right In: 313.016+/-0.089 χ^2/NDF: 2354849.7/16

Left Out: 307.143+/-0.050 χ^2/NDF:1320147.4/24

Right Out: 298.800+/-0.083 χ^2/NDF: 4260946.0/20

Left In: 310.698+/-0.052 χ^2/NDF:1079479.8/22

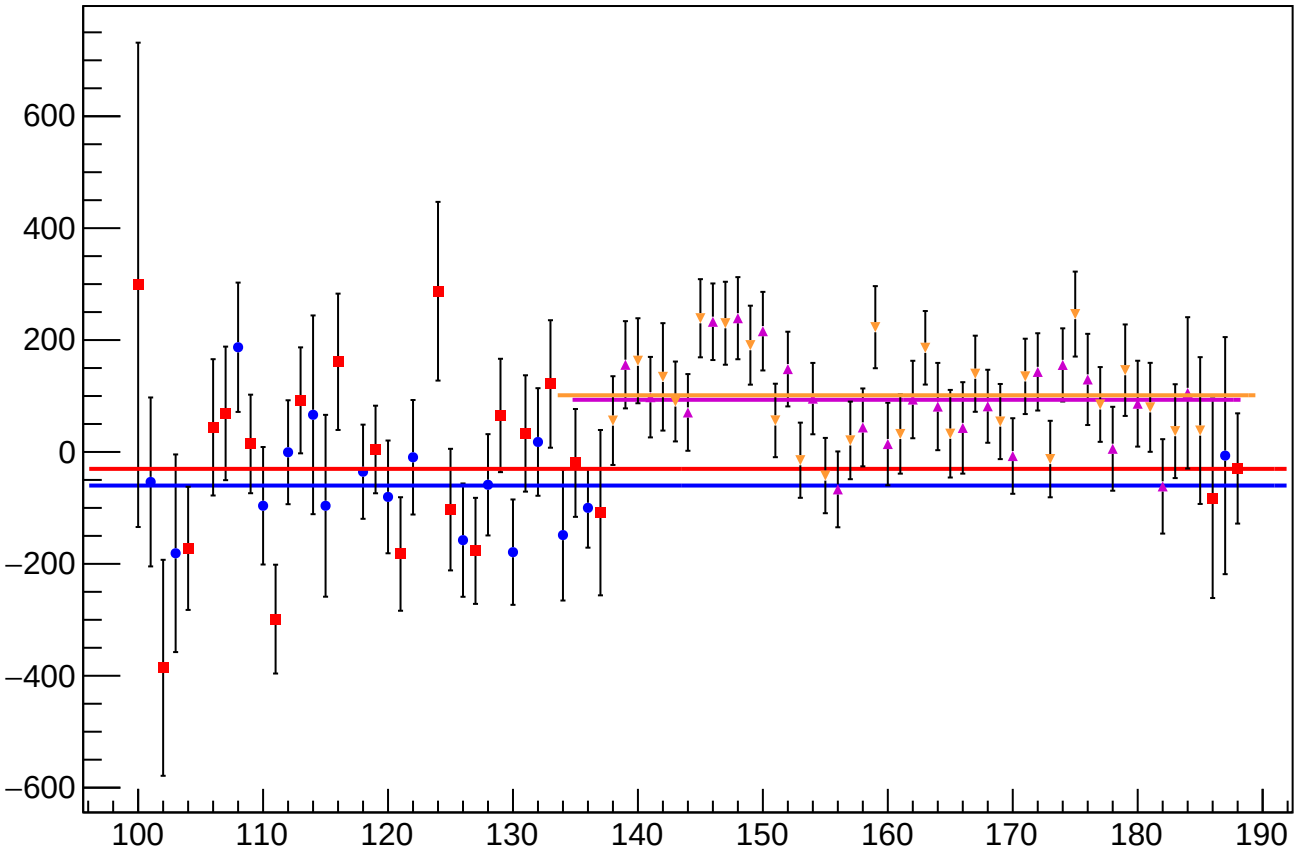
Left: 308.857+/-0.036 χ^2/NDF: 2402026.6/47

Right: 305.410+/-0.061 χ^2/NDF: 6629458.5/37

In: 311.292+/-0.045 χ^2/NDF:3434834.7/39

Out: 304.893+/-0.043 χ^2/NDF:5588485.1/45

All: 307.950+/-0.031 χ^2/NDF: 9033865.0/85



Right In: -60.039+/-25.859 χ^2/NDF: 10.6/16

Left Out: 101.325+/-14.642 χ^2/NDF:33.9/24

Right Out: -30.218+/-24.138 χ^2/NDF: 31.4/20

Left In: 93.235+/-15.137 χ^2/NDF:28.8/22

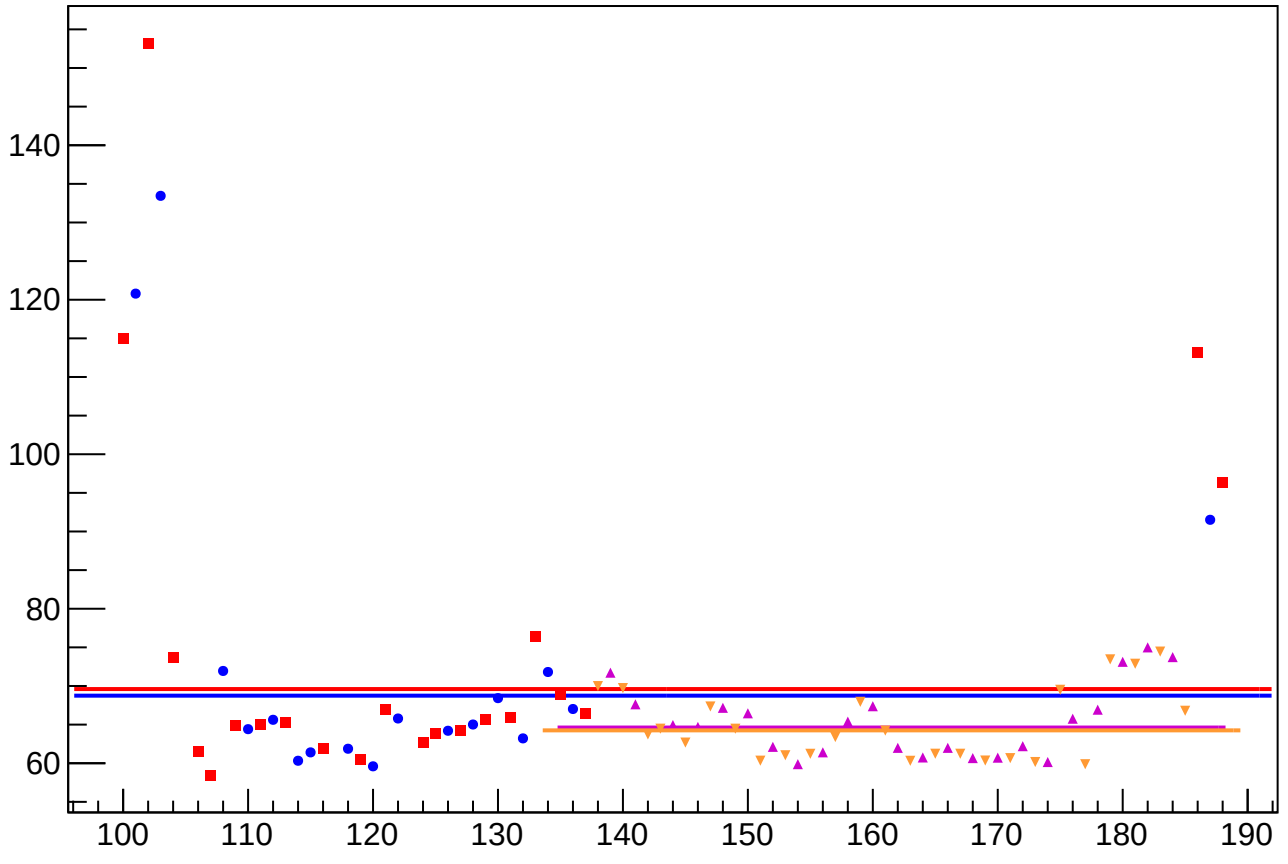
Left: 97.414+/-10.524 χ^2/NDF: 62.9/47

Right: -44.103+/-17.645 χ^2/NDF: 42.7/37

In: 54.120+/-13.063 χ^2/NDF:65.6/39

Out: 65.943+/-12.519 χ^2/NDF:87.0/45

All: 60.283+/-9.038 χ^2/NDF: 153.0/85



Right In: 68.748+/-0.018 χ^2/NDF: 593000.0/16

Left Out: 64.256+/-0.010 χ^2/NDF:177697.9/24

Right Out: 69.603+/-0.017 χ^2/NDF: 772714.6/20

Left In: 64.621+/-0.011 χ^2/NDF:147201.3/22

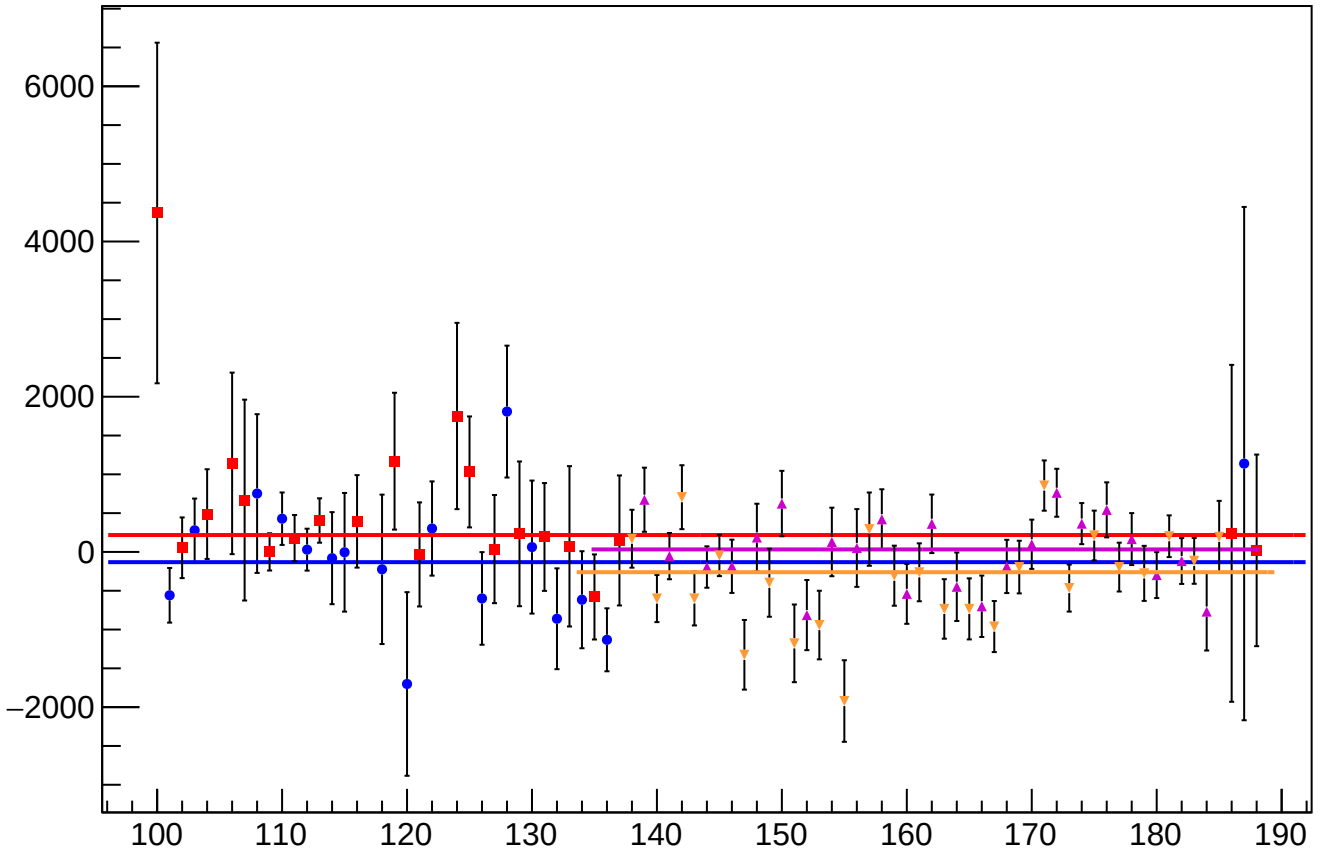
Left: 64.432+/-0.007 χ^2/NDF: 325501.9/47

Right: 69.204+/-0.012 χ^2/NDF: 1366883.0/37

In: 65.674+/-0.009 χ^2/NDF:778131.6/39

Out: 65.694+/-0.009 χ^2/NDF:1022155.0/45

All: 65.684+/-0.006 χ^2/NDF: 1800288.9/85



Right In: -131.746+/-125.813 χ^2/NDF: 22.6/16

Left Out: -261.124+/-71.268 χ^2/NDF:58.8/24

Right Out: 217.874+/-117.283 χ^2/NDF: 12.5/20

Left In: 32.420+/-73.837 χ^2/NDF:31.7/22

Left: -119.547+/-51.278 χ^2/NDF: 98.7/47

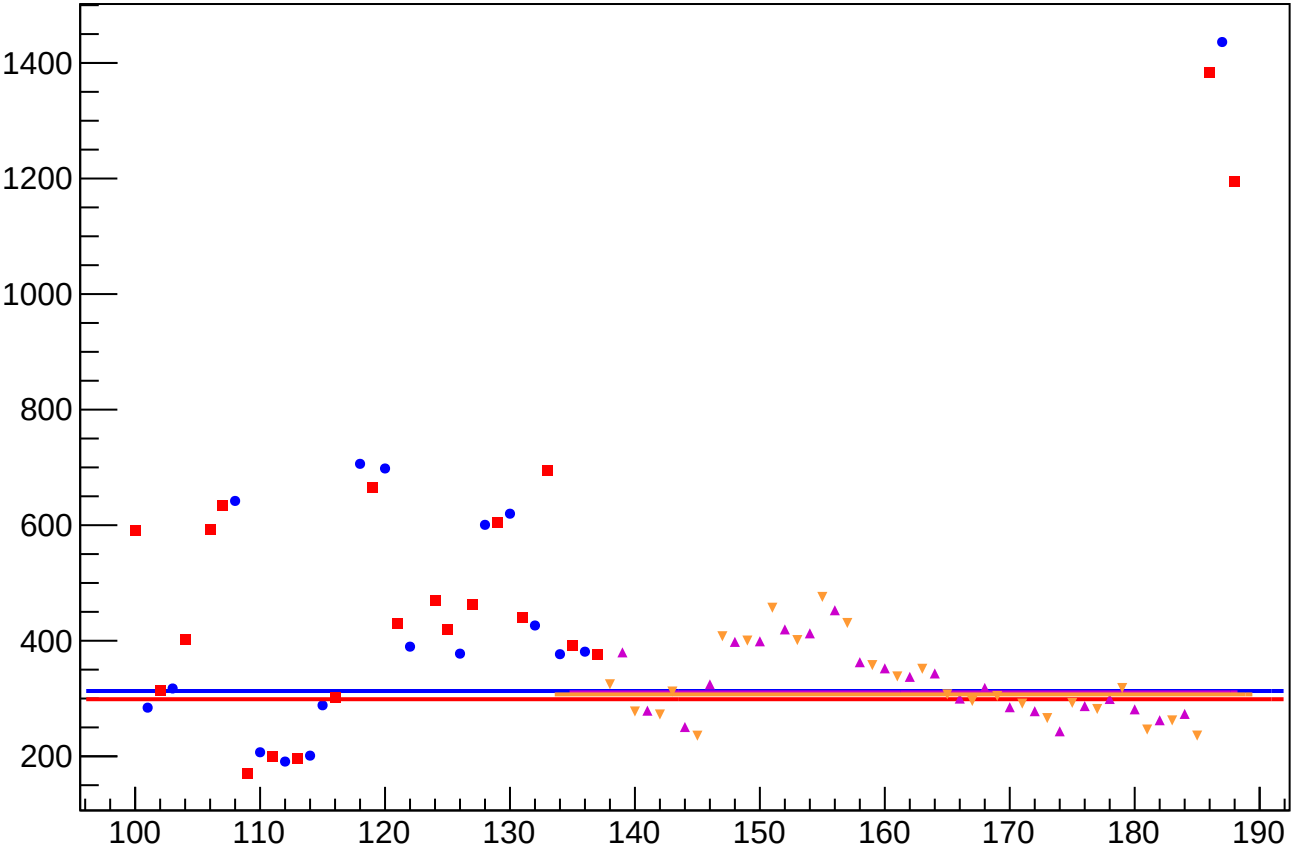
Right: 55.318+/-85.789 χ^2/NDF: 39.3/37

In: -9.638+/-63.680 χ^2/NDF:55.6/39

Out: -131.950+/-60.905 χ^2/NDF:83.5/45

All: -73.517+/-44.015 χ^2/NDF: 141.1/85

asym_sam7_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 313.016+/-0.089 χ^2/NDF: 2354849.7/16

Left Out: 307.143+/-0.050 χ^2/NDF:1320147.4/24

Right Out: 298.800+/-0.083 χ^2/NDF: 4260946.0/20

Left In: 310.698+/-0.052 χ^2/NDF:1079479.8/22

Left: 308.857+/-0.036 χ^2/NDF: 2402026.6/47

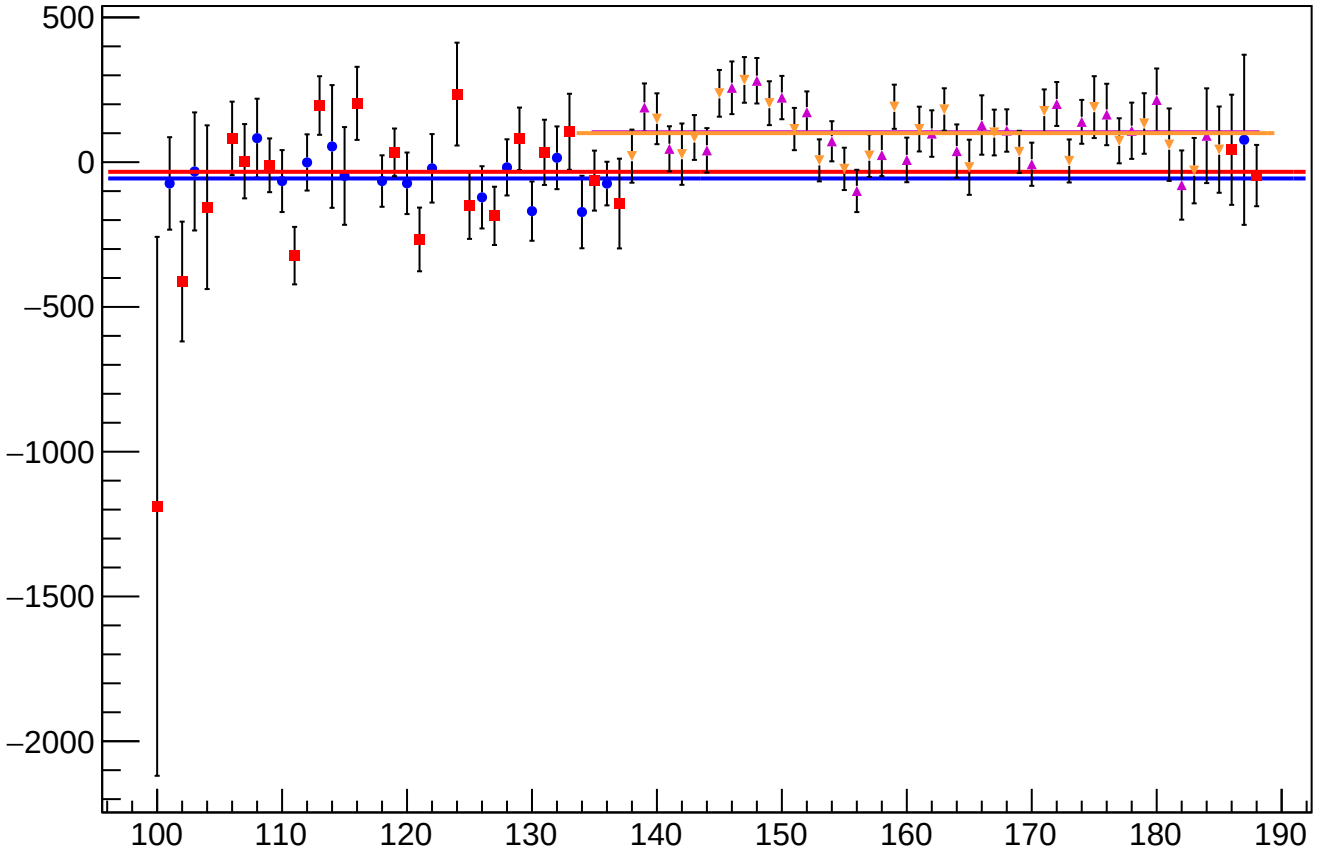
Right: 305.410+/-0.061 χ^2/NDF: 6629458.5/37

In: 311.292+/-0.045 χ^2/NDF:3434834.7/39

Out: 304.893+/-0.043 χ^2/NDF:5588485.1/45

All: 307.950+/-0.031 χ^2/NDF: 9033865.0/85

dit_asym_sam7_mean vs Slug, Sign Corrected



Right In: -56.311+/-27.959 χ^2/NDF: 5.1/16

Left Out: 100.277+/-16.625 χ^2/NDF:27.7/24

Right Out: -33.320+/-26.270 χ^2/NDF: 37.3/20

Left In: 103.363+/-17.260 χ^2/NDF:32.7/22

Left: 101.762+/-11.974 χ^2/NDF: 60.4/47

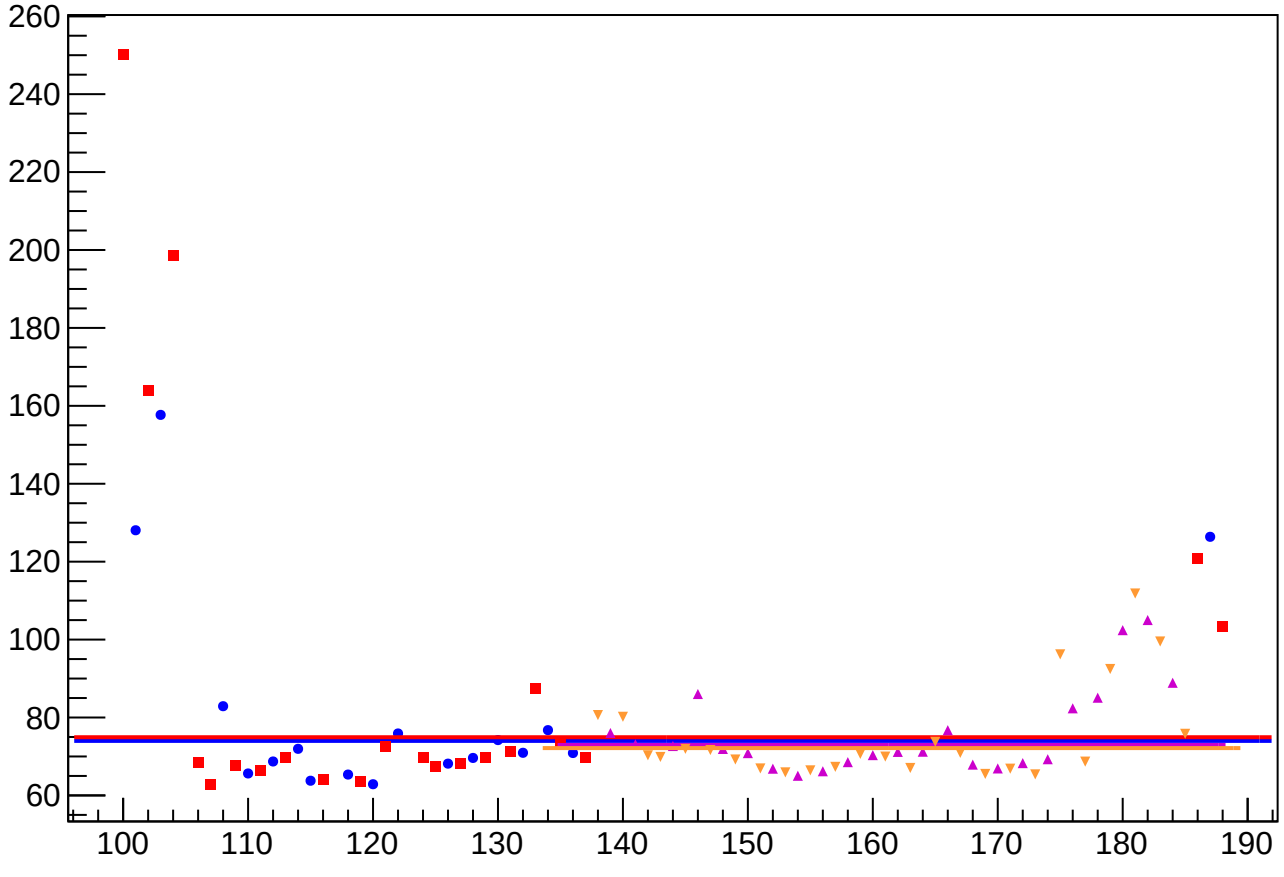
Right: -44.100+/-19.145 χ^2/NDF: 42.8/37

In: 59.302+/-14.687 χ^2/NDF:61.4/39

Out: 62.072+/-14.048 χ^2/NDF:83.5/45

All: 60.749+/-10.152 χ^2/NDF: 144.9/85

dit_asym_sam7_rms vs Slug, Sign Corrected



Right In: 73.998+/-0.020 χ^2/NDF: 721018.0/16

Left Out: 72.150+/-0.012 χ^2/NDF:641970.1/24

Right Out: 74.935+/-0.019 χ^2/NDF: 1241587.1/20

Left In: 72.948+/-0.012 χ^2/NDF:509028.0/22

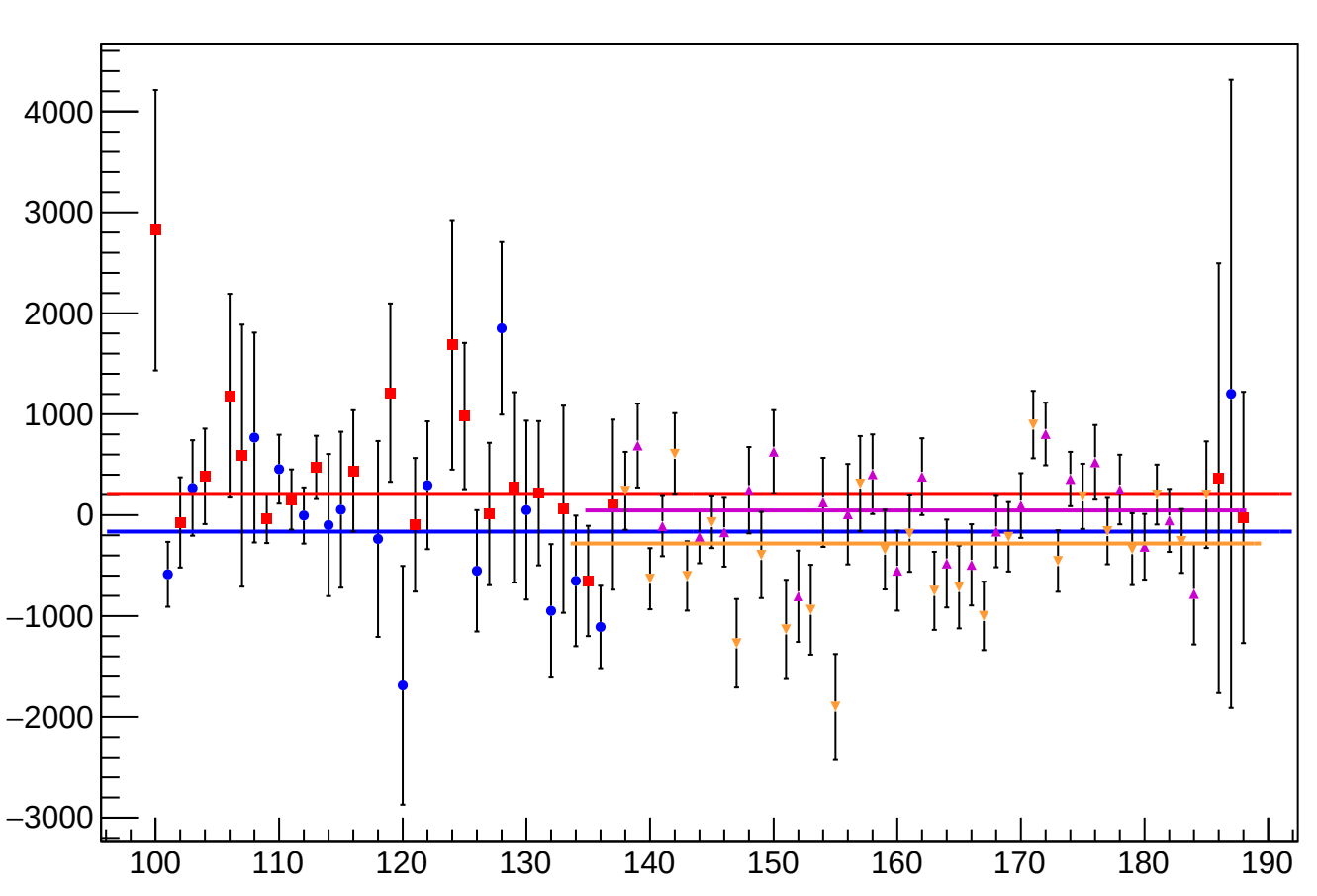
Left: 72.534+/-0.008 χ^2/NDF: 1153218.8/47

Right: 74.495+/-0.014 χ^2/NDF: 1963797.4/37

In: 73.238+/-0.010 χ^2/NDF:1232087.0/39

Out: 72.946+/-0.010 χ^2/NDF:1899606.4/45

All: 73.085+/-0.007 χ^2/NDF: 3132105.7/85



Right In: -163.175+/-128.328 χ^2/NDF: 22.8/16

Left Out: -281.205+/-72.538 χ^2/NDF:56.8/24

Right Out: 209.674+/-119.378 χ^2/NDF: 13.7/20

Left In: 46.569+/-74.897 χ^2/NDF:30.7/22

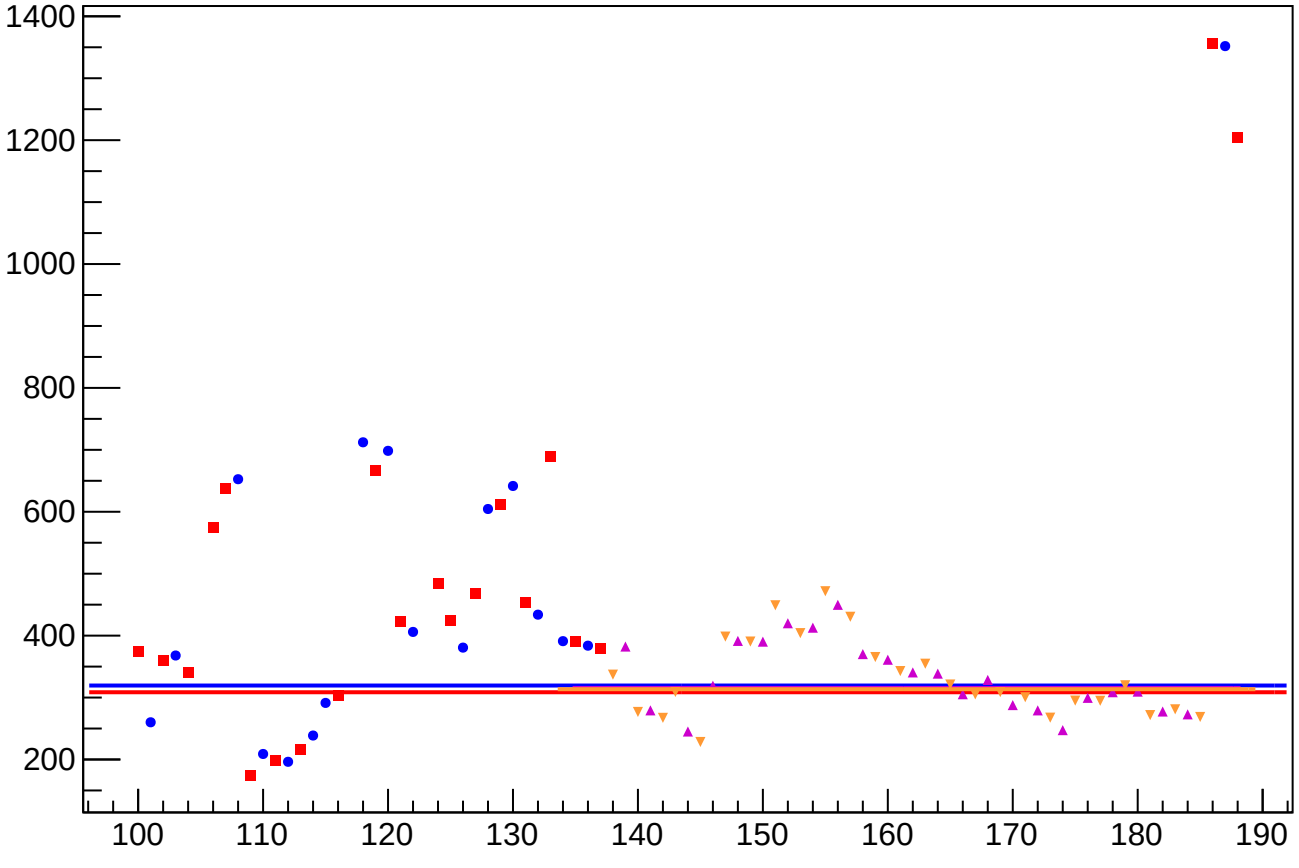
Left: -122.562+/-52.106 χ^2/NDF: 97.4/47

Right: 36.704+/-87.406 χ^2/NDF: 41.0/37

In: -6.723+/-64.686 χ^2/NDF:55.6/39

Out: -148.837+/-61.991 χ^2/NDF:82.8/45

All: -80.802+/-44.757 χ^2/NDF: 140.9/85



Right In: 319.422+/-0.091 χ^2/NDF: 2356696.6/16

Left Out: 313.500+/-0.051 χ^2/NDF:1175529.4/24

Right Out: 308.570+/-0.084 χ^2/NDF: 4081365.5/20

Left In: 315.455+/-0.053 χ^2/NDF:1008523.1/22

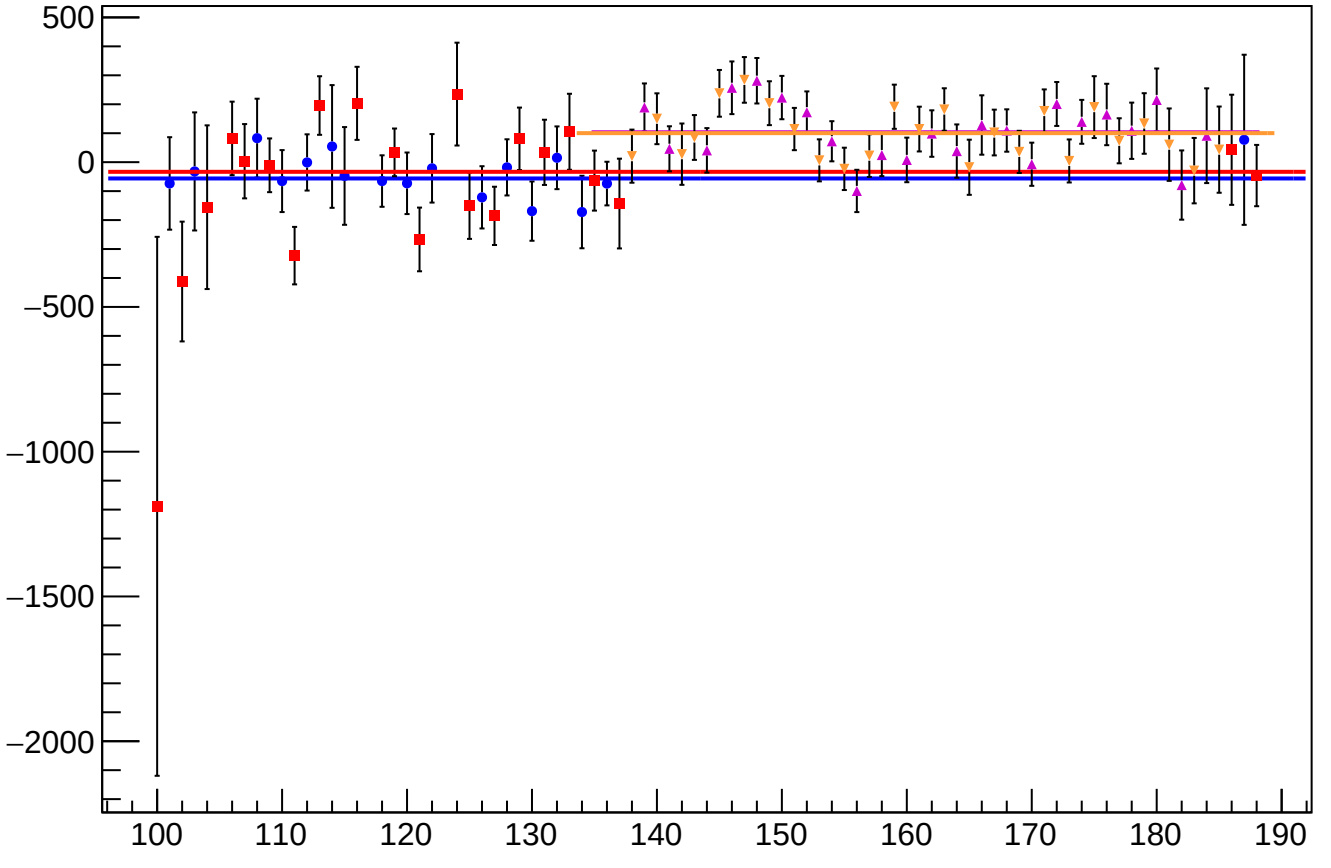
Left: 314.446+/-0.037 χ^2/NDF: 2184755.7/47

Right: 313.605+/-0.062 χ^2/NDF: 6445729.4/37

In: 316.463+/-0.046 χ^2/NDF:3366645.4/39

Out: 312.171+/-0.044 χ^2/NDF:5259385.8/45

All: 314.226+/-0.032 χ^2/NDF: 8630621.9/85



Right In: -56.311+/-27.959 χ^2/NDF: 5.1/16

Left Out: 100.276+/-16.625 χ^2/NDF:27.7/24

Right Out: -33.321+/-26.270 χ^2/NDF: 37.3/20

Left In: 103.363+/-17.260 χ^2/NDF:32.7/22

Left: 101.762+/-11.974 χ^2/NDF: 60.4/47

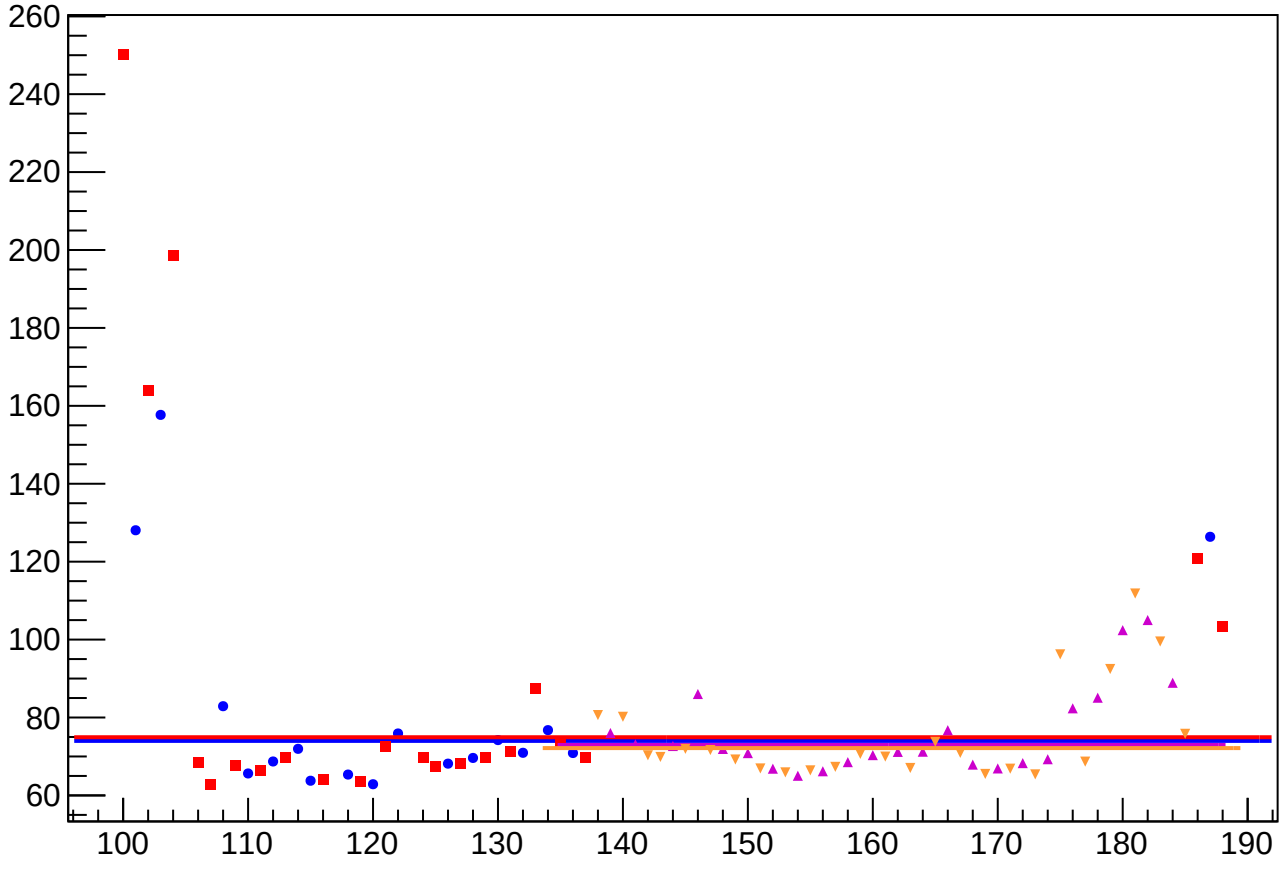
Right: -44.101+/-19.145 χ^2/NDF: 42.8/37

In: 59.302+/-14.687 χ^2/NDF:61.4/39

Out: 62.072+/-14.048 χ^2/NDF:83.5/45

All: 60.748+/-10.152 χ^2/NDF: 144.9/85

eigen_dit_asym_sam7_rms vs Slug, Sign Corrected



Right In: 73.998+/-0.020 χ^2/NDF: 721023.7/16

Left Out: 72.150+/-0.012 χ^2/NDF:641967.4/24

Right Out: 74.934+/-0.019 χ^2/NDF: 1241585.4/20

Left In: 72.948+/-0.012 χ^2/NDF:509028.7/22

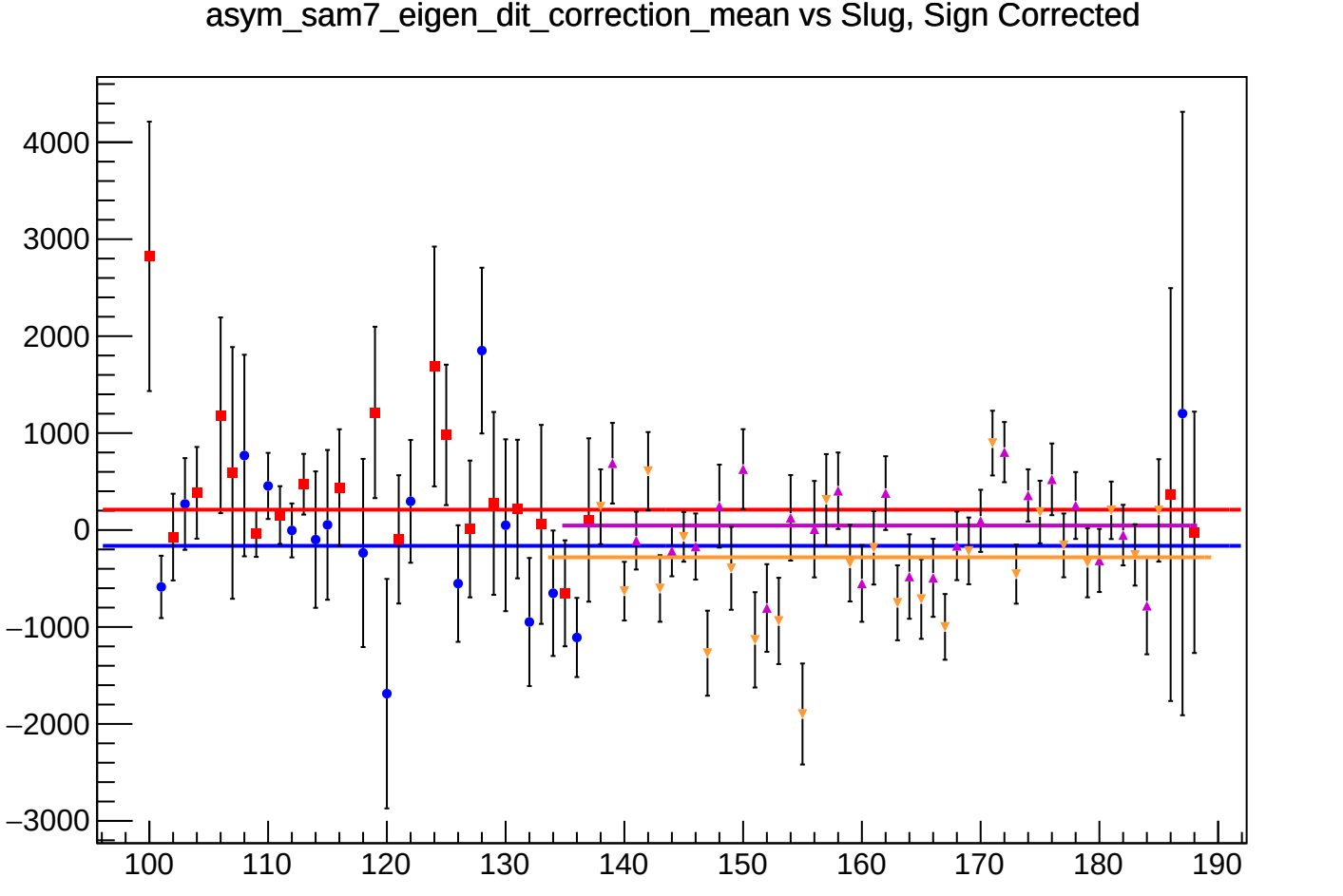
Left: 72.534+/-0.008 χ^2/NDF: 1153216.9/47

Right: 74.495+/-0.014 χ^2/NDF: 1963801.4/37

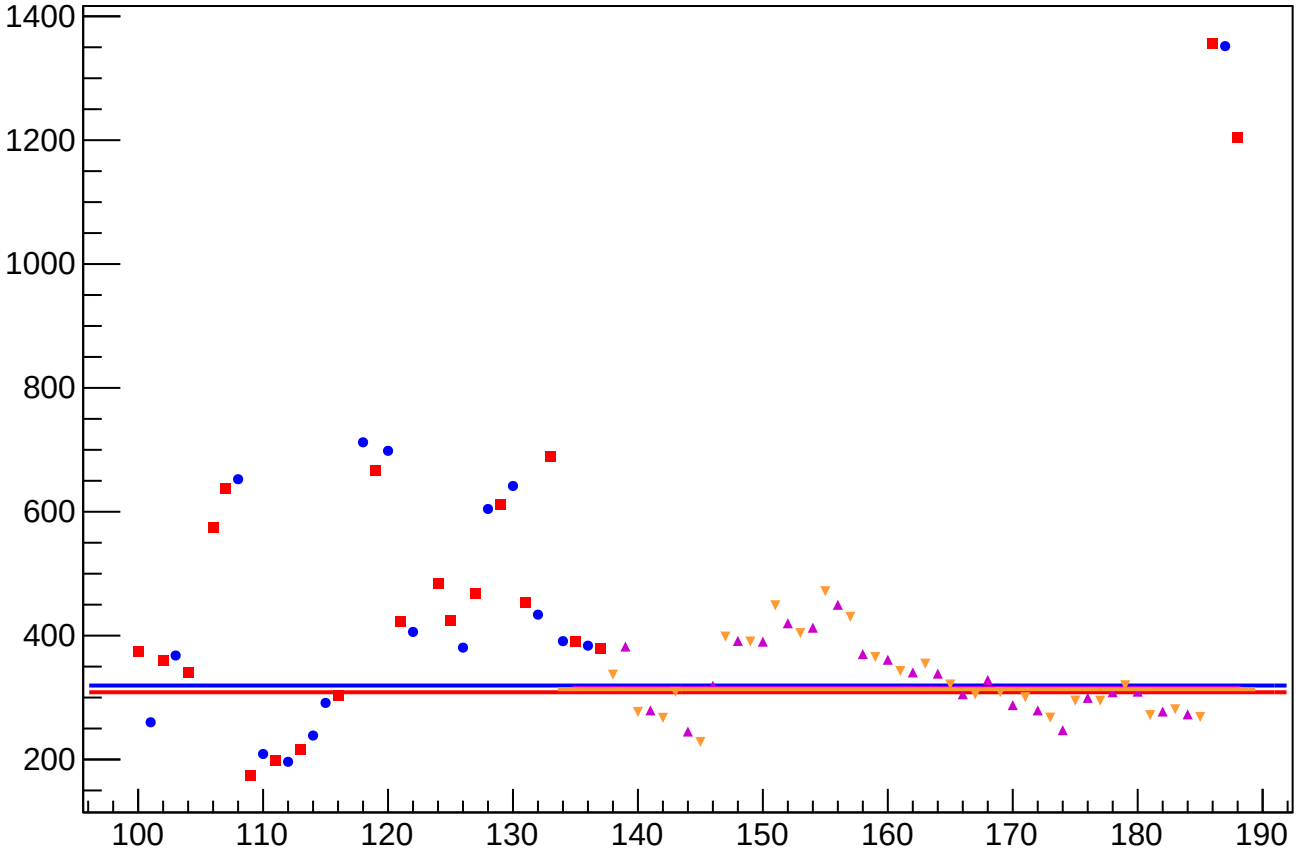
In: 73.238+/-0.010 χ^2/NDF:1232092.8/39

Out: 72.946+/-0.010 χ^2/NDF:1899600.6/45

All: 73.085+/-0.007 χ^2/NDF: 3132105.6/85


asym_sam7_eigen_dit_correction_mean vs Slug, Sign Corrected
4000
3000
2000
1000
0
−1000
−2000
−3000
100
110
120
130
140
150
160
170
180
190
Right In: -163.173+/-128.327 χ²/NDF: 22.8/16
Left Out: -281.205+/-72.538 χ²/NDF:56.8/24
Right Out: 209.673+/-119.378 χ²/NDF: 13.7/20
Left In: 46.569+/-74.897 χ²/NDF:30.7/22
Left: -122.562+/-52.106 χ²/NDF: 97.4/47
Right: 36.703+/-87.406 χ²/NDF: 41.0/37
In: -6.724+/-64.686 χ²/NDF:55.6/39
Out: -148.837+/-61.991 χ²/NDF:82.8/45
All: -80.802+/-44.757 χ²/NDF: 140.9/85

asym_sam7_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 319.420+/-0.091 χ^2/NDF: 2356728.8/16

Left Out: 313.500+/-0.051 χ^2/NDF:1175534.8/24

Right Out: 308.569+/-0.084 χ^2/NDF: 4081380.2/20

Left In: 315.456+/-0.053 χ^2/NDF:1008521.8/22

Left: 314.447+/-0.037 χ^2/NDF: 2184760.0/47

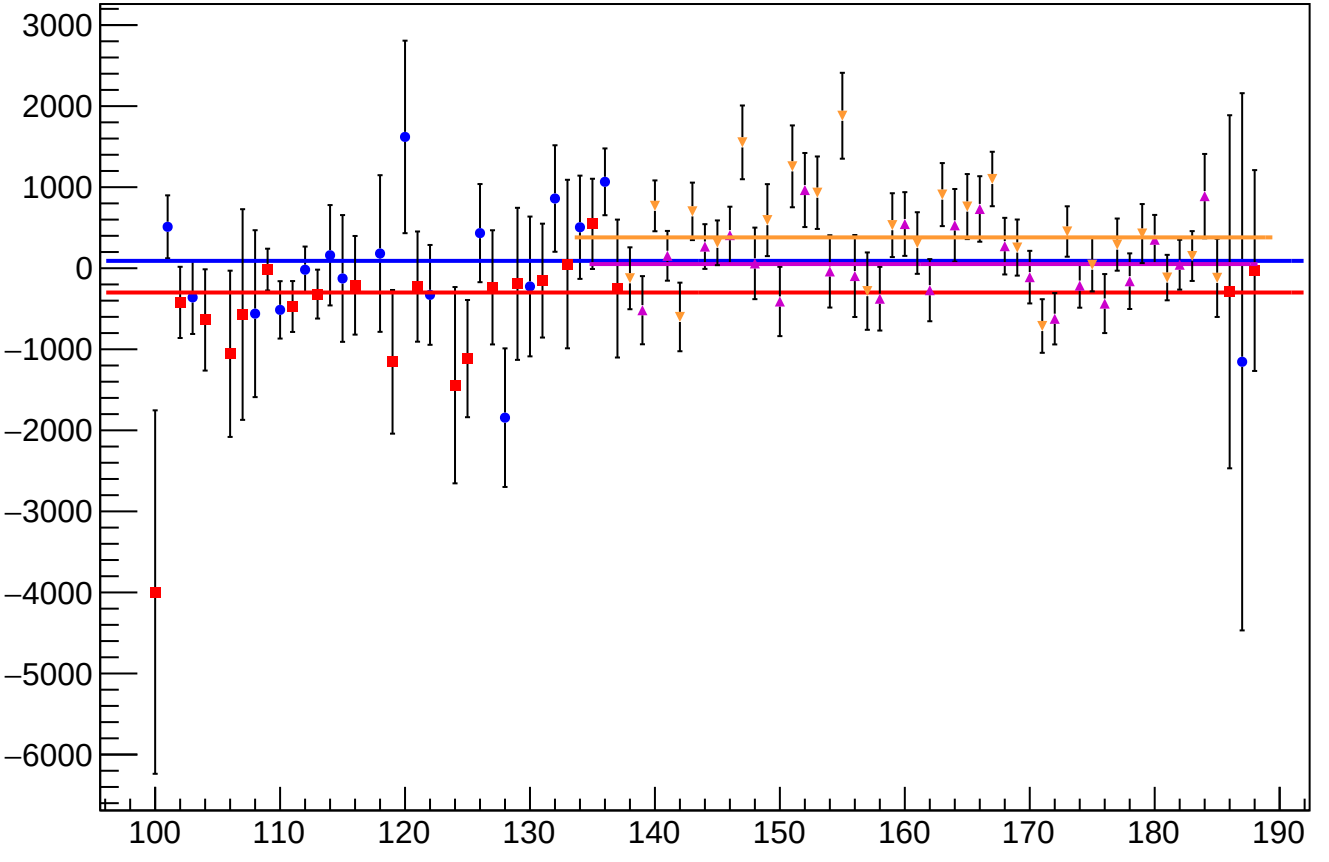
Right: 313.603+/-0.062 χ^2/NDF: 6445775.2/37

In: 316.463+/-0.046 χ^2/NDF:3366674.4/39

Out: 312.170+/-0.044 χ^2/NDF:5259407.6/45

All: 314.225+/-0.032 χ^2/NDF: 8630672.7/85

asym_sam7_mean vs Slug, Sign Corrected



Right In: 90.830+/-131.823 χ^2/NDF: 21.0/16

Left Out: 380.624+/-73.057 χ^2/NDF:55.4/24

Right Out: -299.532+/-123.104 χ^2/NDF: 10.9/20

Left In: 51.474+/-75.629 χ^2/NDF:28.2/22

Left: 221.742+/-52.545 χ^2/NDF: 93.4/47

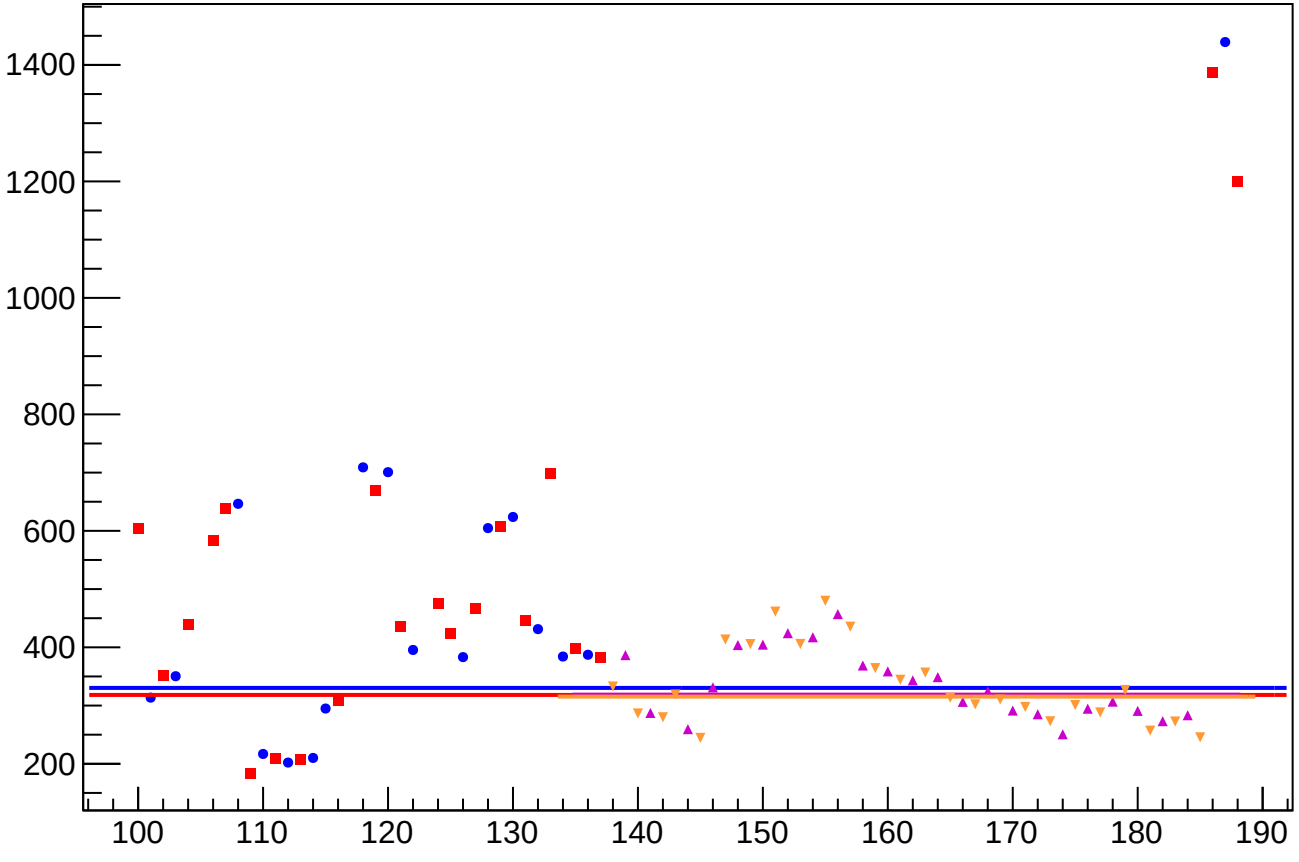
Right: -117.686+/-89.972 χ^2/NDF: 36.5/37

In: 61.220+/-65.600 χ^2/NDF:49.2/39

Out: 203.473+/-62.826 χ^2/NDF:88.9/45

All: 135.417+/-45.374 χ^2/NDF: 140.5/85

asym_sam7_rms vs Slug, Sign Corrected



Right In: 330.324+/-0.093 χ^2/NDF: 2183171.7/16

Left Out: 315.396+/-0.052 χ^2/NDF:1210106.0/24

Right Out: 318.262+/-0.087 χ^2/NDF: 4040444.4/20

Left In: 318.688+/-0.053 χ^2/NDF:991604.7/22

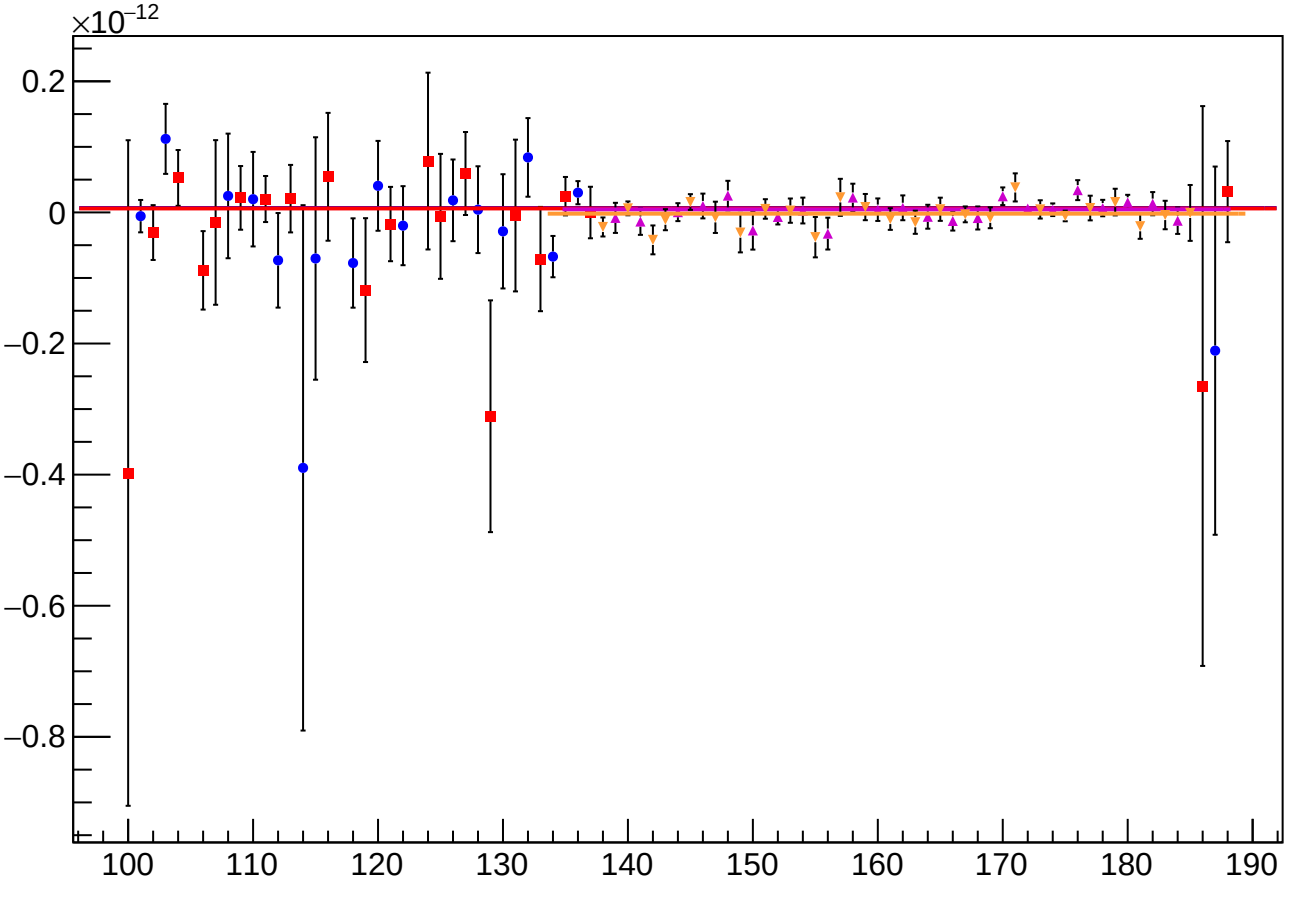
Left: 316.985+/-0.037 χ^2/NDF: 2203671.8/47

Right: 323.881+/-0.064 χ^2/NDF: 6232561.2/37

In: 321.570+/-0.046 χ^2/NDF:3186499.7/39

Out: 316.142+/-0.044 χ^2/NDF:5251352.1/45

All: 318.739+/-0.032 χ^2/NDF: 8444993.2/85



Right In: 0.000+/-0.000 χ^2/NDF: 18.3/16

Left Out: -0.000+/-0.000 χ^2/NDF:19.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 13.3/20

Left In: 0.000+/-0.000 χ^2/NDF:17.7/22

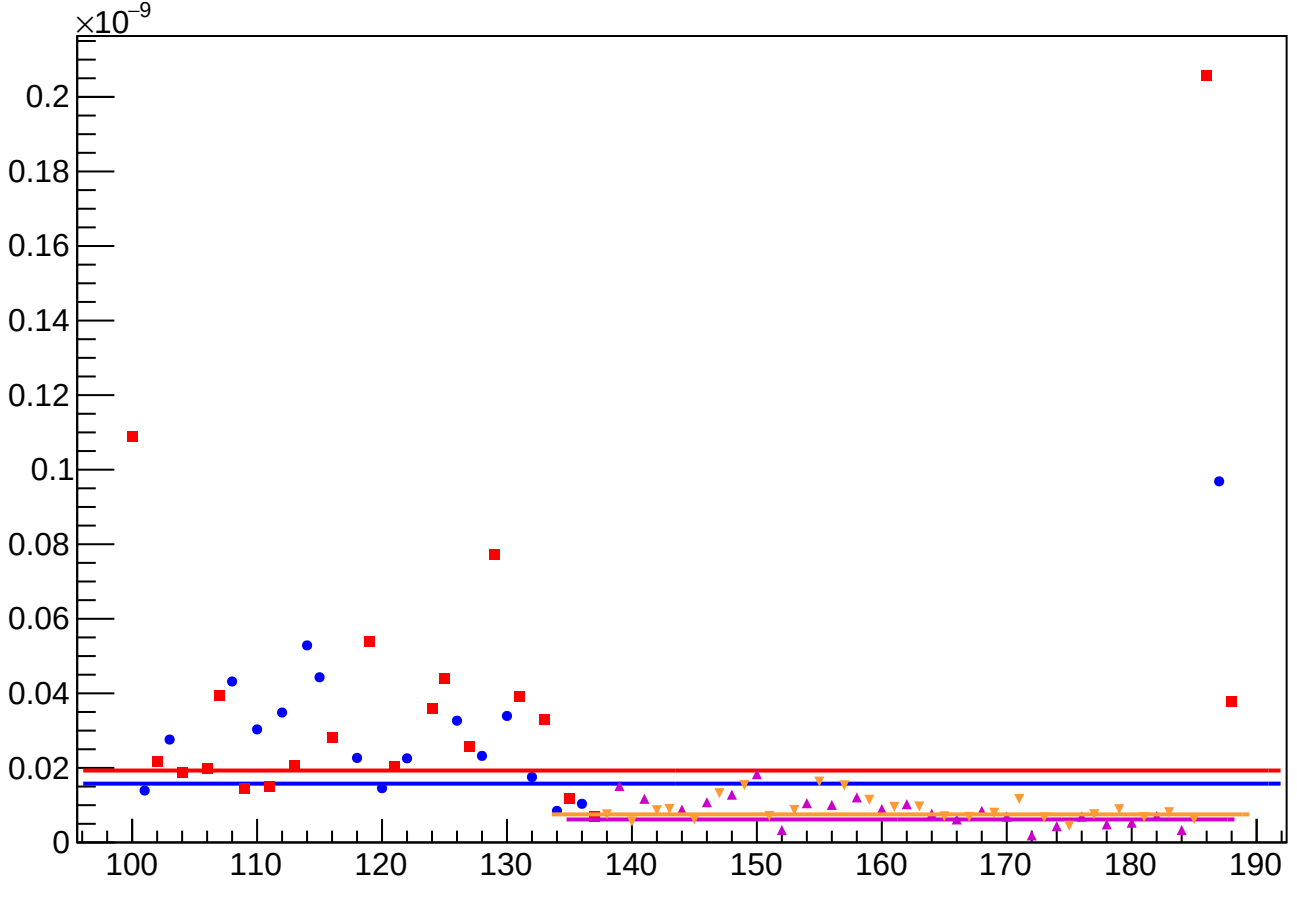
Left: 0.000+/-0.000 χ^2/NDF: 38.8/47

Right: 0.000+/-0.000 χ^2/NDF: 31.6/37

In: 0.000+/-0.000 χ^2/NDF:36.0/39

Out: -0.000+/-0.000 χ^2/NDF:32.7/45

All: 0.000+/-0.000 χ^2/NDF: 70.8/85



Right In: 0.000+/-0.000 χ^2/NDF: 1331347.9/16

Left Out: 0.000+/-0.000 χ^2/NDF:1208953.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 1731992.7/20

Left In: 0.000+/-0.000 χ^2/NDF:2784673.9/22

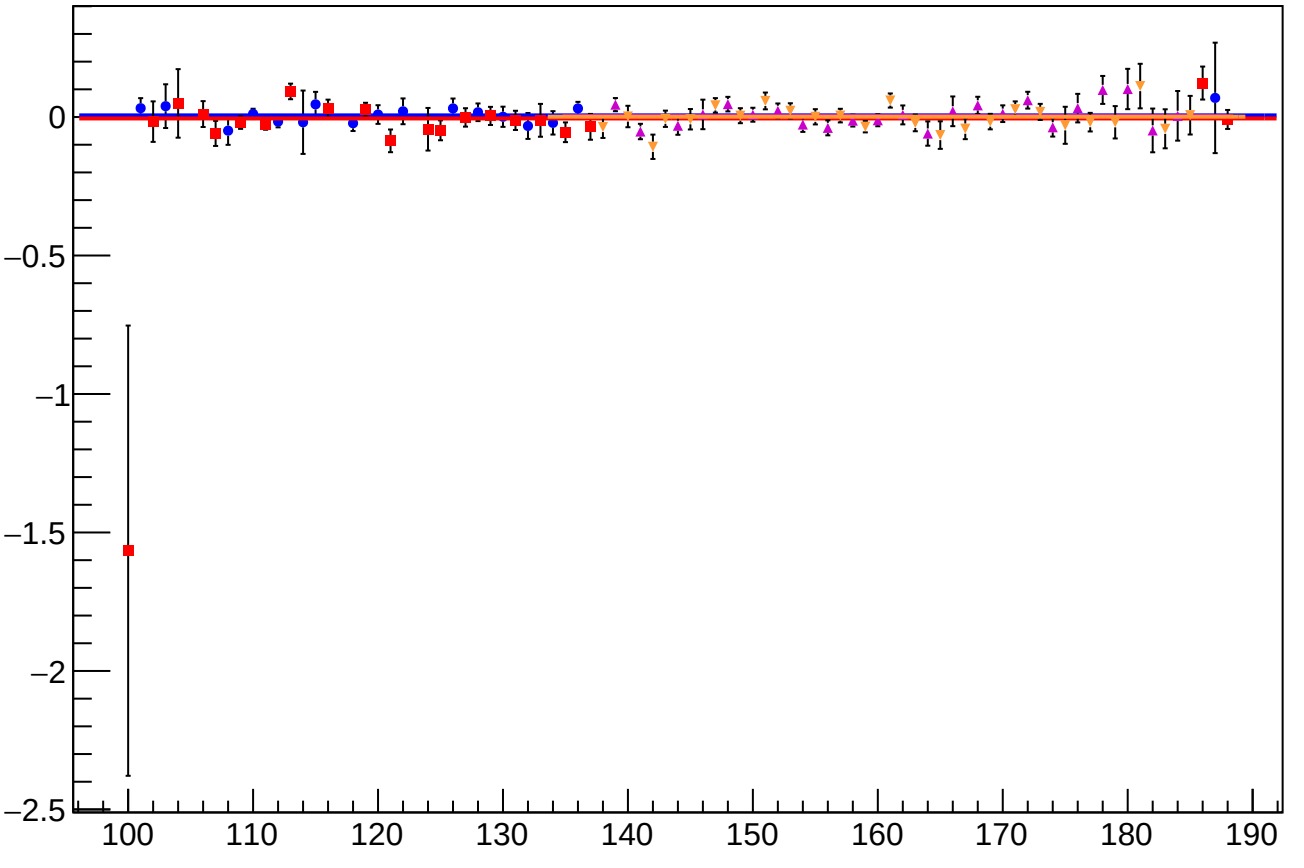
Left: 0.000+/-0.000 χ^2/NDF: 4183311.6/47

Right: 0.000+/-0.000 χ^2/NDF: 3151833.8/37

In: 0.000+/-0.000 χ^2/NDF:5548488.8/39

Out: 0.000+/-0.000 χ^2/NDF:4563218.0/45

All: 0.000+/-0.000 χ^2/NDF: 10326922.3/85



Right In: 0.006+/-0.008 χ^2/NDF: 8.0/16

Left Out: 0.001+/-0.006 χ^2/NDF:30.3/24

Right Out: -0.005+/-0.008 χ^2/NDF: 34.5/20

Left In: 0.004+/-0.007 χ^2/NDF:31.1/22

Left: 0.003+/-0.005 χ^2/NDF: 61.5/47

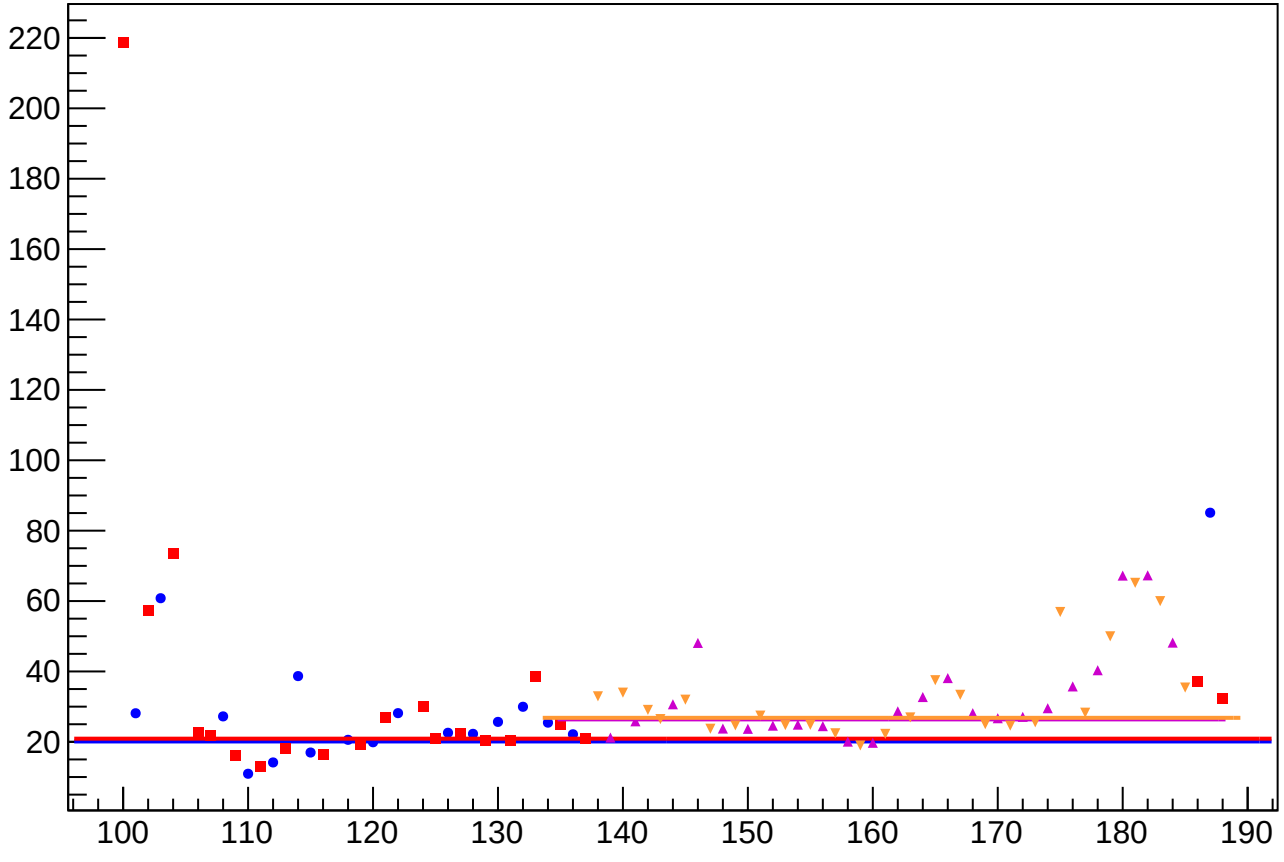
Right: 0.000+/-0.006 χ^2/NDF: 43.4/37

In: 0.005+/-0.005 χ^2/NDF:39.1/39

Out: -0.001+/-0.005 χ^2/NDF:65.2/45

All: 0.002+/-0.004 χ^2/NDF: 105.0/85

asym_sam7_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 20.109+/-0.006 χ^2/NDF: 1854196.6/16

Left Out: 26.820+/-0.005 χ^2/NDF:2469807.6/24

Right Out: 20.899+/-0.006 χ^2/NDF: 2114868.1/20

Left In: 26.376+/-0.005 χ^2/NDF:2566400.7/22

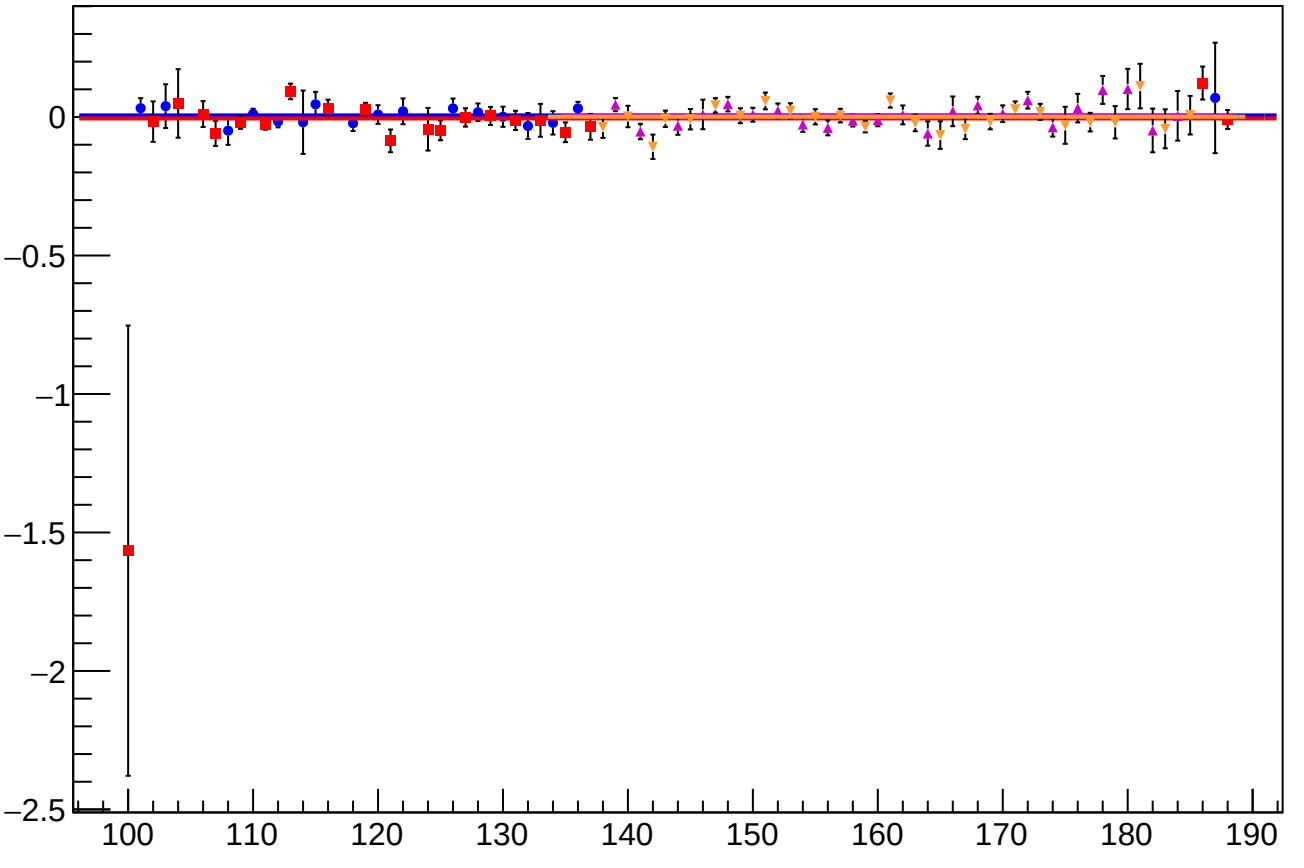
Left: 26.602+/-0.003 χ^2/NDF: 5040807.2/47

Right: 20.521+/-0.004 χ^2/NDF: 3978859.9/37

In: 23.897+/-0.004 χ^2/NDF:5133401.5/39

Out: 24.400+/-0.004 χ^2/NDF:5264252.4/45

All: 24.155+/-0.003 χ^2/NDF: 10407514.9/85



Right In: 0.006+/-0.008 χ^2/NDF: 8.0/16

Left Out: 0.001+/-0.006 χ^2/NDF:30.3/24

Right Out: -0.005+/-0.008 χ^2/NDF: 34.5/20

Left In: 0.004+/-0.007 χ^2/NDF:31.1/22

Left: 0.003+/-0.005 χ^2/NDF: 61.5/47

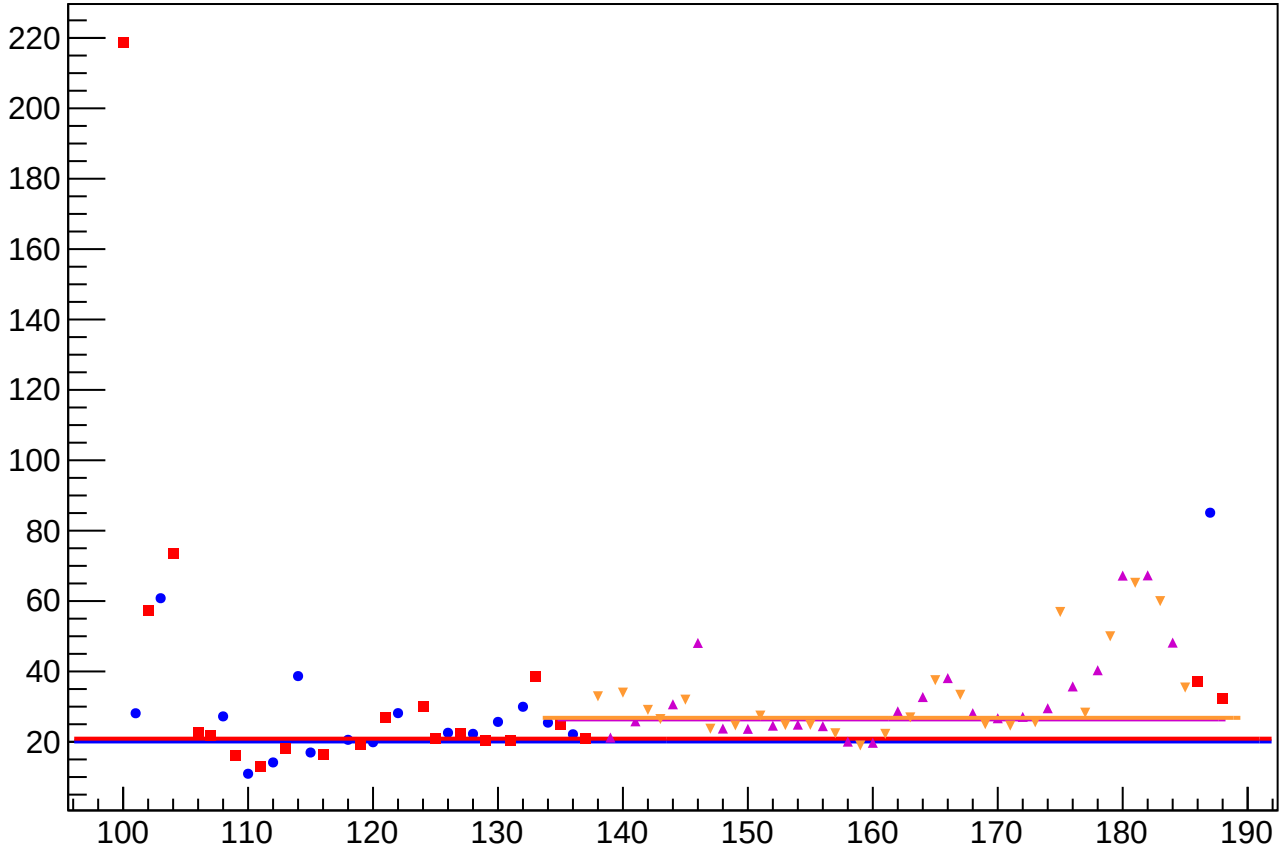
Right: 0.000+/-0.006 χ^2/NDF: 43.4/37

In: 0.005+/-0.005 χ^2/NDF:39.1/39

Out: -0.001+/-0.005 χ^2/NDF:65.2/45

All: 0.002+/-0.004 χ^2/NDF: 105.0/85

asym_sam7_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 20.109+/-0.006 χ^2/NDF: 1854196.6/16

Left Out: 26.820+/-0.005 χ^2/NDF:2469807.6/24

Right Out: 20.899+/-0.006 χ^2/NDF: 2114868.1/20

Left In: 26.376+/-0.005 χ^2/NDF:2566400.7/22

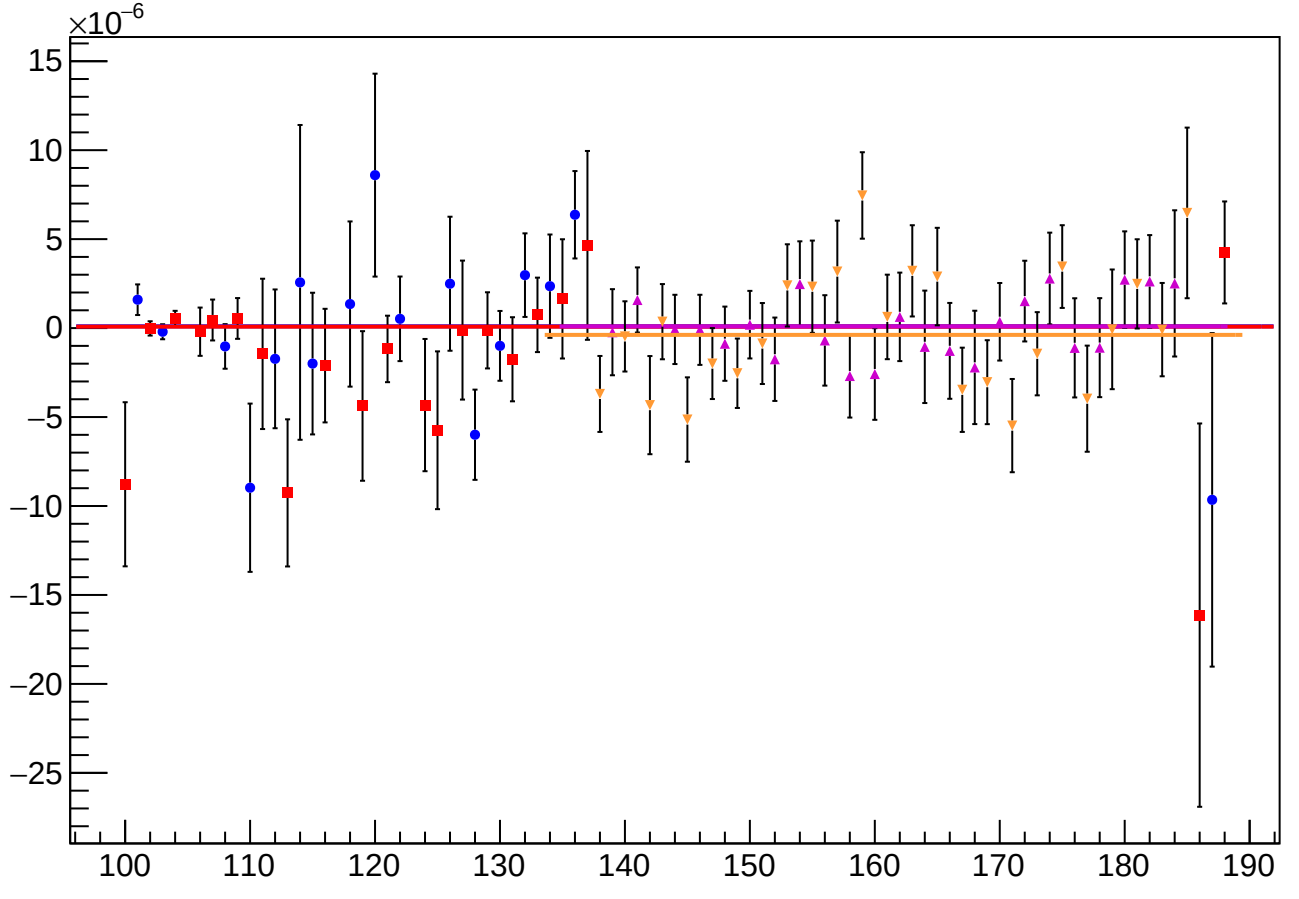
Left: 26.602+/-0.003 χ^2/NDF: 5040807.2/47

Right: 20.521+/-0.004 χ^2/NDF: 3978859.9/37

In: 23.897+/-0.004 χ^2/NDF:5133401.5/39

Out: 24.400+/-0.004 χ^2/NDF:5264252.4/45

All: 24.155+/-0.003 χ^2/NDF: 10407514.9/85



Right In: 0.000+/-0.000 χ^2/NDF: 27.1/16

Left Out: -0.000+/-0.000 χ^2/NDF:43.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 21.5/20

Left In: 0.000+/-0.000 χ^2/NDF:10.2/22

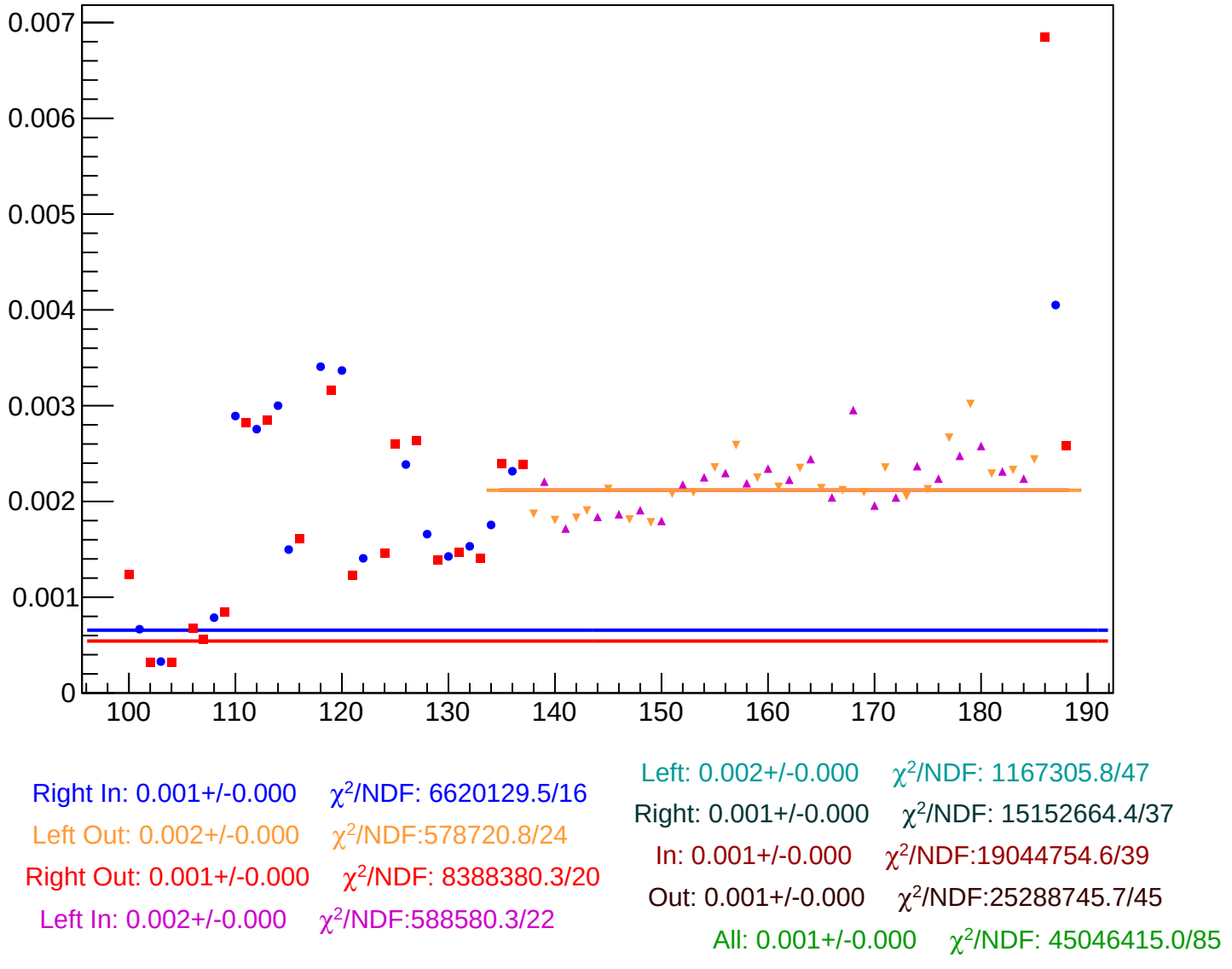
Left: -0.000+/-0.000 χ^2/NDF: 53.8/47

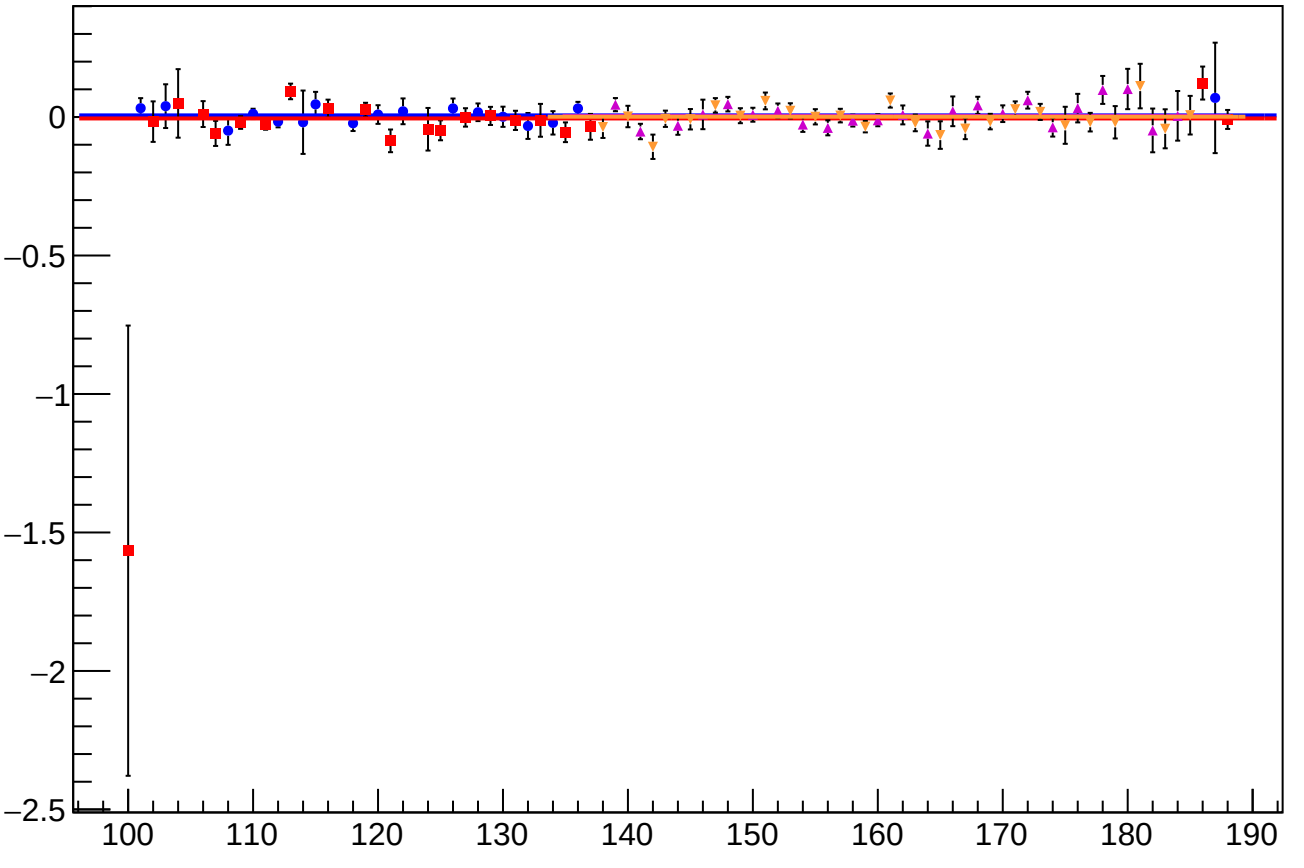
Right: 0.000+/-0.000 χ^2/NDF: 48.6/37

In: 0.000+/-0.000 χ^2/NDF:37.3/39

Out: -0.000+/-0.000 χ^2/NDF:65.3/45

All: 0.000+/-0.000 χ^2/NDF: 102.7/85


asym_sam7_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.007
0.006
0.005
0.004
0.003
0.002
0.001
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.001+/-0.000 χ²/NDF: 6620129.5/16
Left Out: 0.002+/-0.000 χ²/NDF:578720.8/24
Right Out: 0.001+/-0.000 χ²/NDF: 8388380.3/20
Left In: 0.002+/-0.000 χ²/NDF:588580.3/22
Left: 0.002+/-0.000 χ²/NDF: 1167305.8/47
Right: 0.001+/-0.000 χ²/NDF: 15152664.4/37
In: 0.001+/-0.000 χ²/NDF:19044754.6/39
Out: 0.001+/-0.000 χ²/NDF:25288745.7/45
All: 0.001+/-0.000 χ²/NDF: 45046415.0/85



Right In: 0.006+/-0.008 χ^2/NDF: 8.0/16

Left Out: 0.001+/-0.006 χ^2/NDF:30.3/24

Right Out: -0.005+/-0.008 χ^2/NDF: 34.5/20

Left In: 0.004+/-0.007 χ^2/NDF:31.1/22

Left: 0.003+/-0.005 χ^2/NDF: 61.5/47

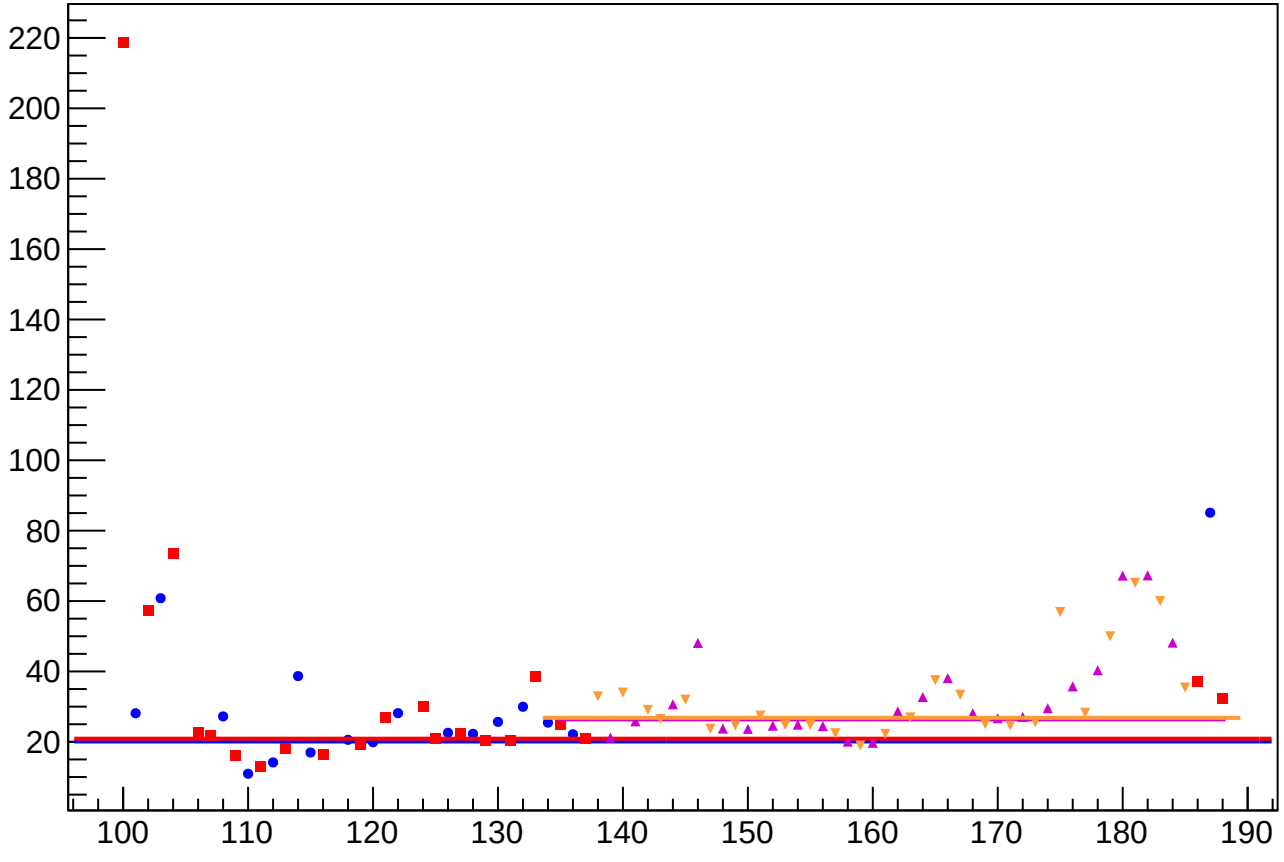
Right: 0.000+/-0.006 χ^2/NDF: 43.4/37

In: 0.005+/-0.005 χ^2/NDF:39.1/39

Out: -0.001+/-0.005 χ^2/NDF:65.2/45

All: 0.002+/-0.004 χ^2/NDF: 105.0/85

asym_sam7_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 20.109+/-0.006 χ^2/NDF: 1854025.6/16

Left Out: 26.820+/-0.005 χ^2/NDF:2469855.0/24

Right Out: 20.899+/-0.006 χ^2/NDF: 2114755.7/20

Left In: 26.376+/-0.005 χ^2/NDF:2566477.5/22

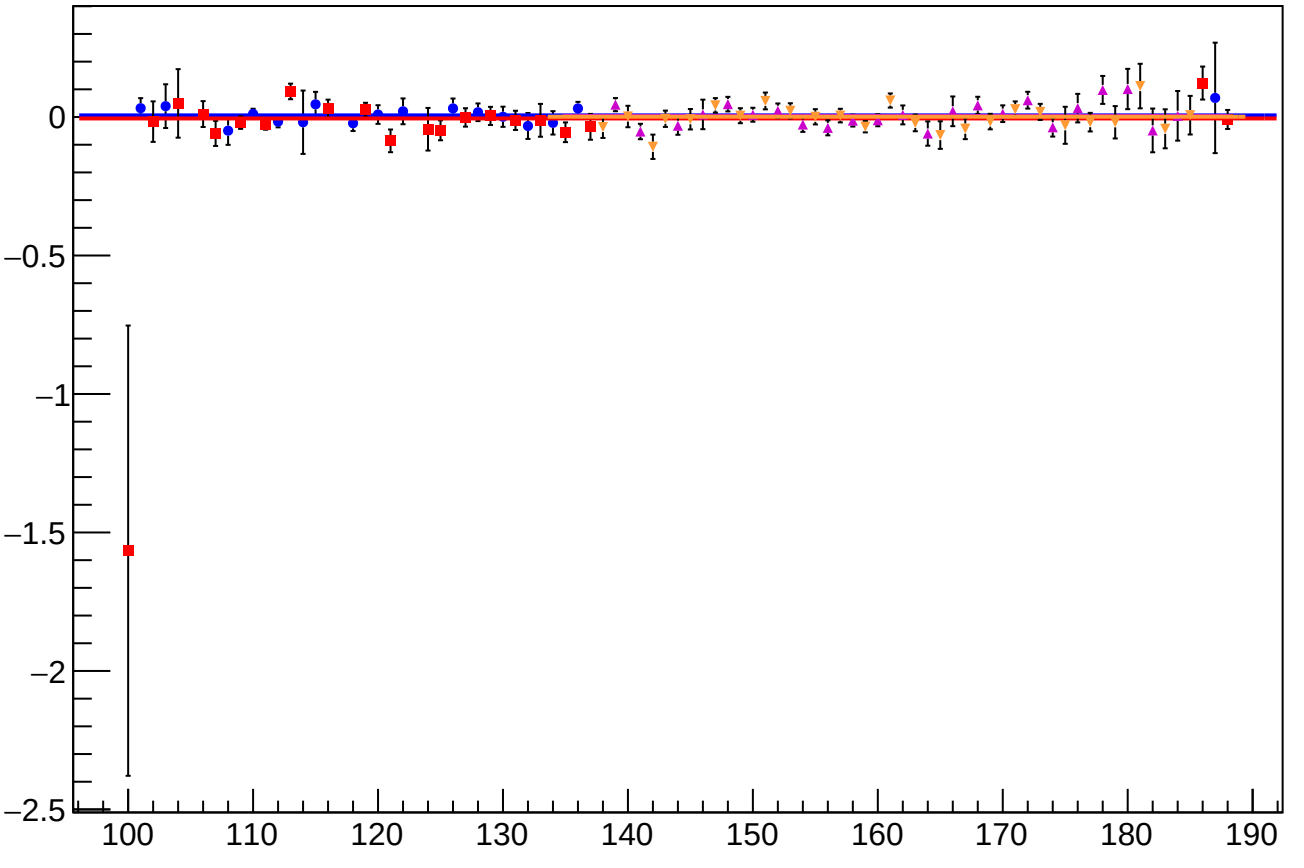
Left: 26.602+/-0.003 χ^2/NDF: 5040932.0/47

Right: 20.522+/-0.004 χ^2/NDF: 3978567.6/37

In: 23.897+/-0.004 χ^2/NDF:5133182.6/39

Out: 24.400+/-0.004 χ^2/NDF:5264162.4/45

All: 24.156+/-0.003 χ^2/NDF: 10407199.8/85



Right In: 0.006+/-0.008 χ^2/NDF: 8.0/16

Left Out: 0.001+/-0.006 χ^2/NDF:30.3/24

Right Out: -0.005+/-0.008 χ^2/NDF: 34.5/20

Left In: 0.004+/-0.007 χ^2/NDF:31.1/22

Left: 0.003+/-0.005 χ^2/NDF: 61.5/47

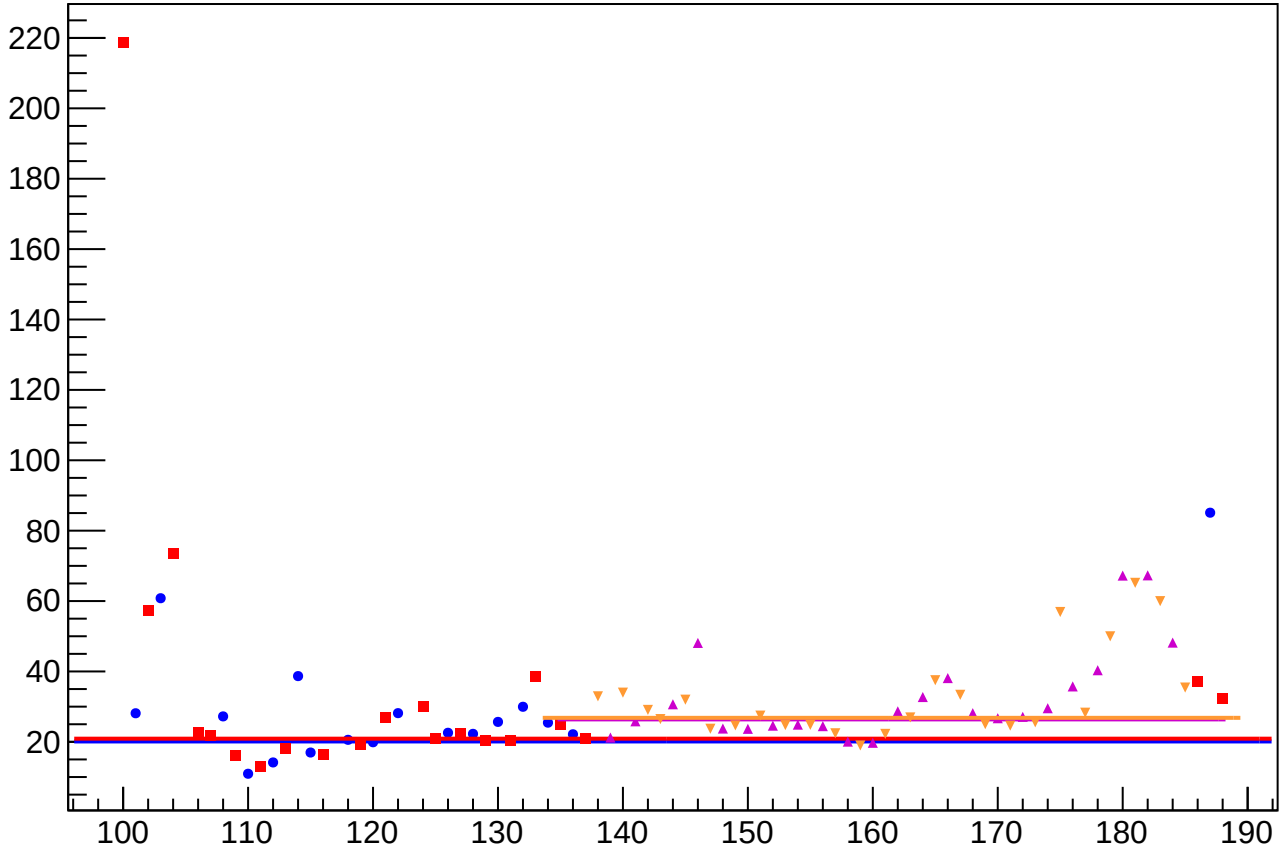
Right: 0.000+/-0.006 χ^2/NDF: 43.4/37

In: 0.005+/-0.005 χ^2/NDF:39.1/39

Out: -0.001+/-0.005 χ^2/NDF:65.2/45

All: 0.002+/-0.004 χ^2/NDF: 105.0/85

asym_sam7_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 20.109+/-0.006 χ^2/NDF: 1854025.6/16

Left Out: 26.820+/-0.005 χ^2/NDF:2469855.0/24

Right Out: 20.899+/-0.006 χ^2/NDF: 2114755.7/20

Left In: 26.376+/-0.005 χ^2/NDF:2566477.5/22

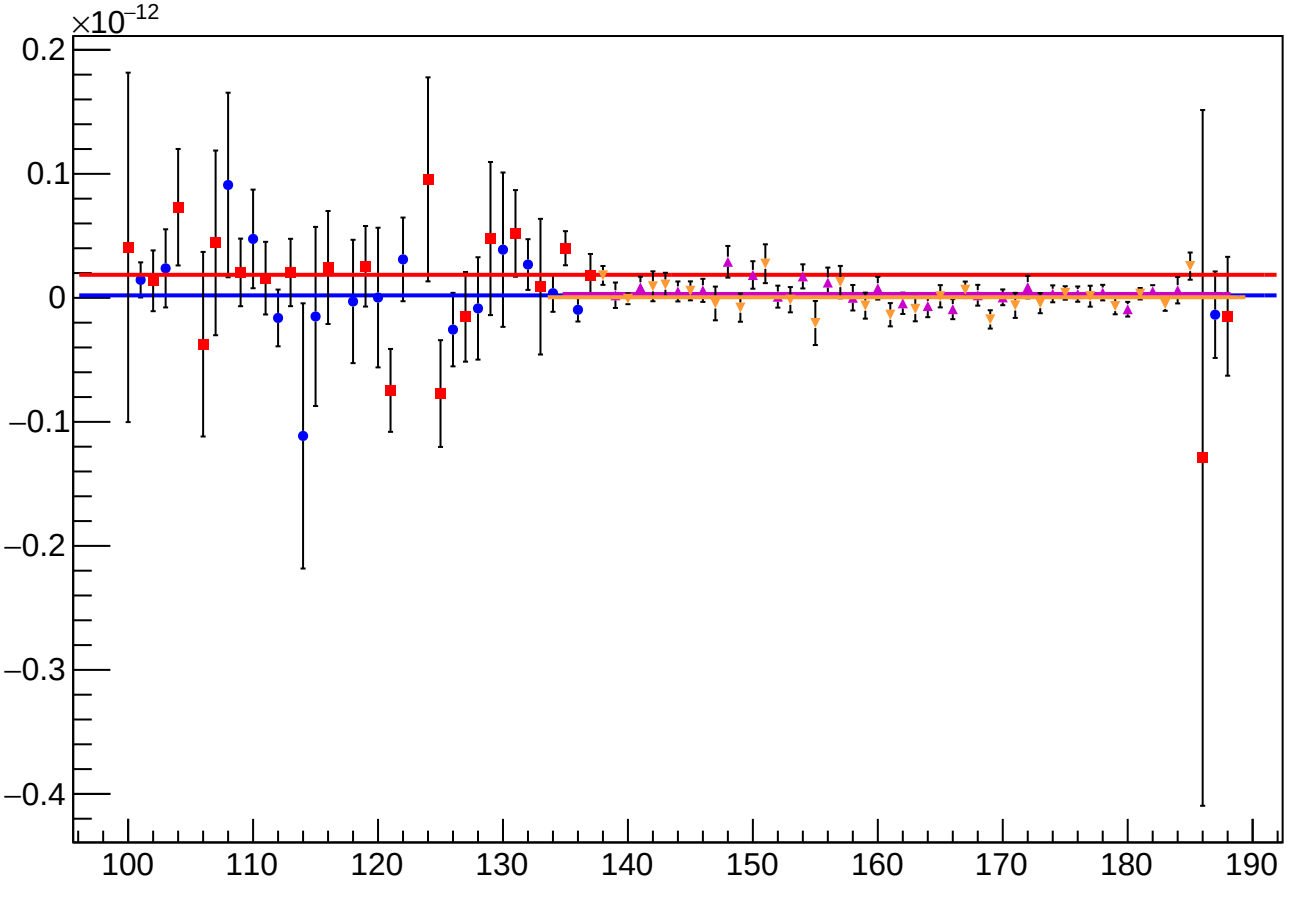
Left: 26.602+/-0.003 χ^2/NDF: 5040932.0/47

Right: 20.522+/-0.004 χ^2/NDF: 3978567.6/37

In: 23.897+/-0.004 χ^2/NDF:5133182.6/39

Out: 24.400+/-0.004 χ^2/NDF:5264162.4/45

All: 24.156+/-0.003 χ^2/NDF: 10407199.8/85



Right In: 0.000+/-0.000 χ^2/NDF: 11.1/16

Left Out: 0.000+/-0.000 χ^2/NDF:32.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 21.0/20

Left In: 0.000+/-0.000 χ^2/NDF:19.1/22

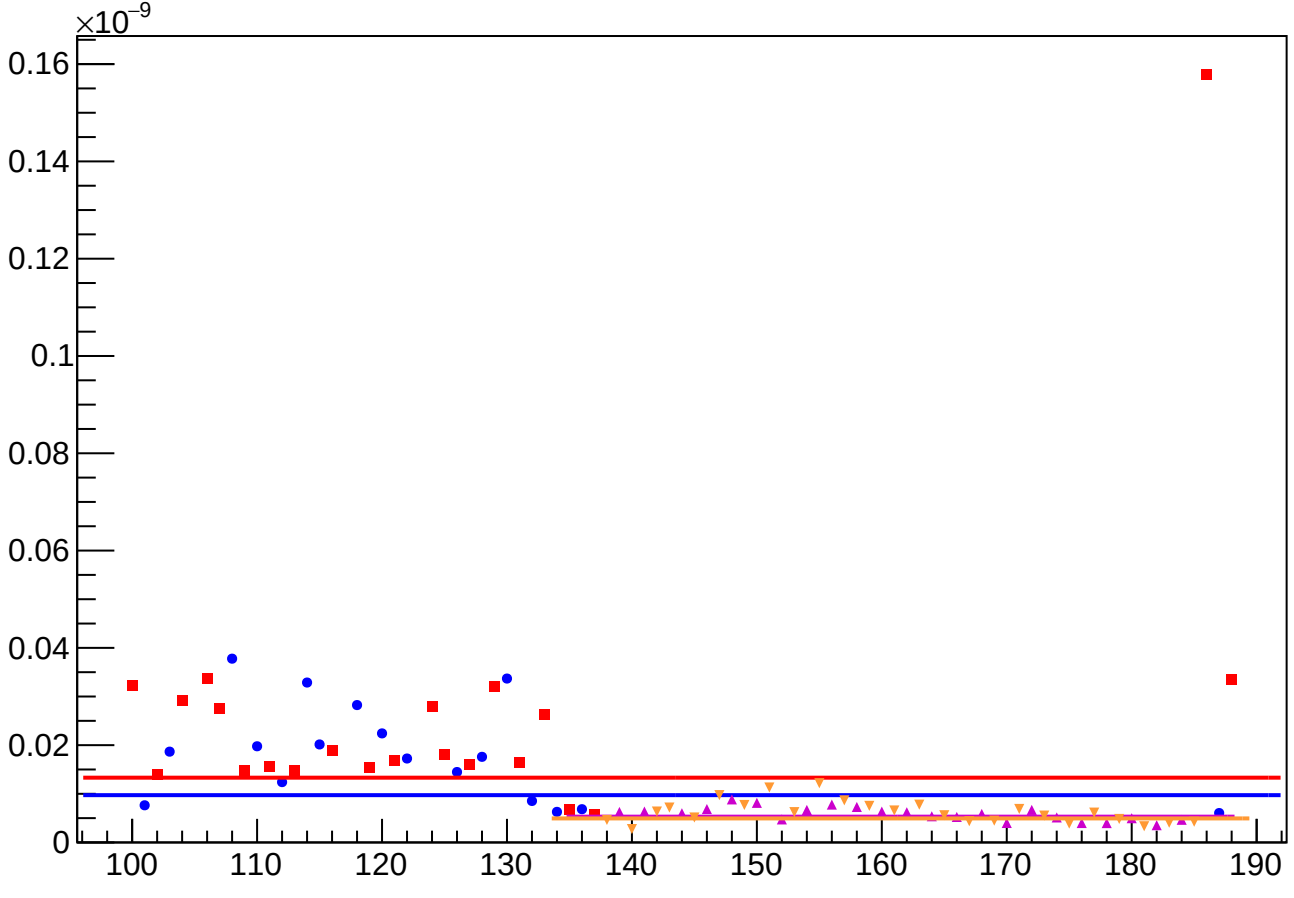
Left: 0.000+/-0.000 χ^2/NDF: 53.0/47

Right: 0.000+/-0.000 χ^2/NDF: 35.5/37

In: 0.000+/-0.000 χ^2/NDF:30.2/39

Out: 0.000+/-0.000 χ^2/NDF:60.0/45

All: 0.000+/-0.000 χ^2/NDF: 90.7/85



Right In: 0.000+/-0.000 χ^2/NDF: 1999912.9/16

Left Out: 0.000+/-0.000 χ^2/NDF:2747591.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2698062.2/20

Left In: 0.000+/-0.000 χ^2/NDF:1247237.9/22

Left: 0.000+/-0.000 χ^2/NDF: 4044909.4/47

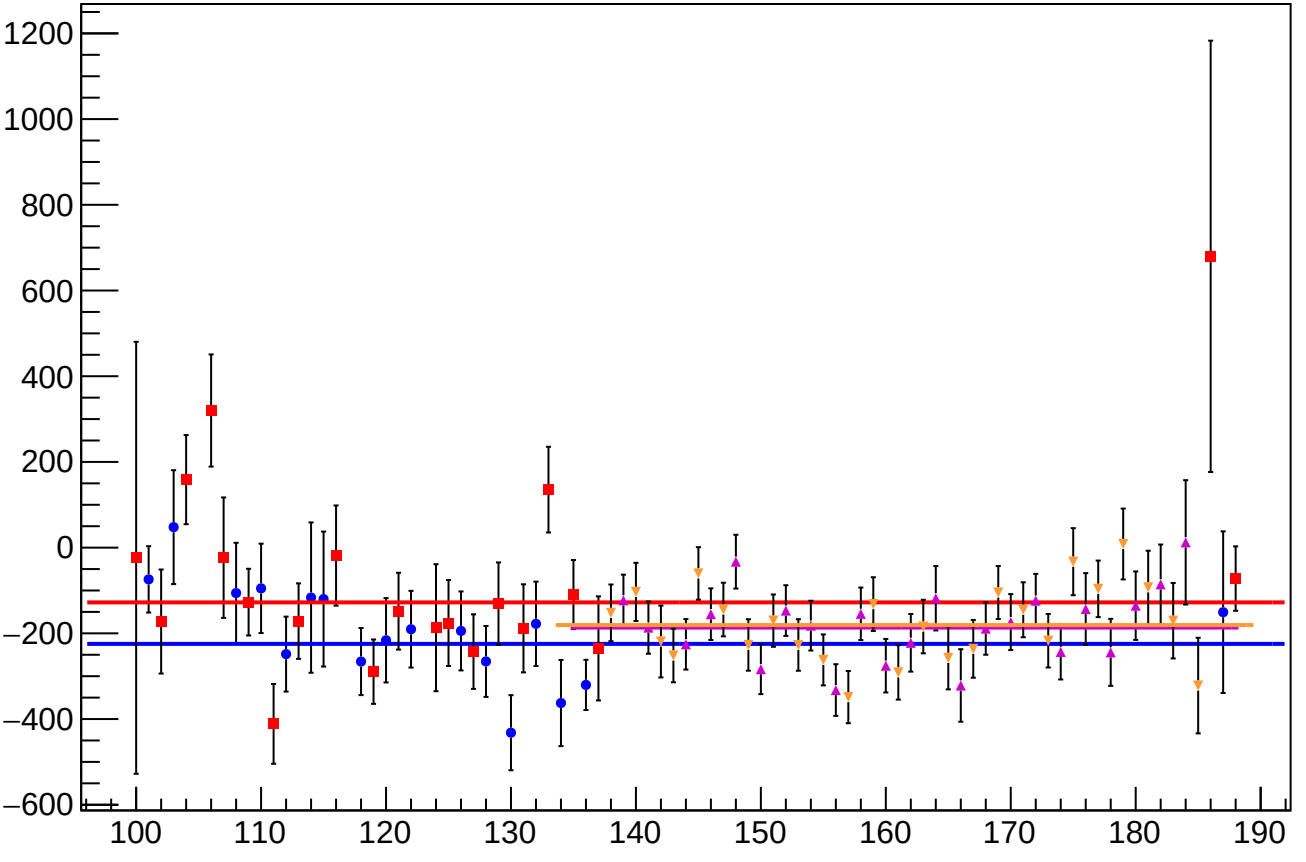
Right: 0.000+/-0.000 χ^2/NDF: 5018616.4/37

In: 0.000+/-0.000 χ^2/NDF:4377796.0/39

Out: 0.000+/-0.000 χ^2/NDF:8186890.5/45

All: 0.000+/-0.000 χ^2/NDF: 12605565.7/85

reg_asym_sam8_mean vs Slug, Sign Corrected



Right In: -224.581+/-22.947 χ^2/NDF: 22.8/16

Left Out: -180.685+/-13.419 χ^2/NDF:38.6/24

Right Out: -127.754+/-22.139 χ^2/NDF: 48.5/20

Left In: -186.567+/-13.860 χ^2/NDF:29.0/22

Left: -183.531+/-9.641 χ^2/NDF: 67.7/47

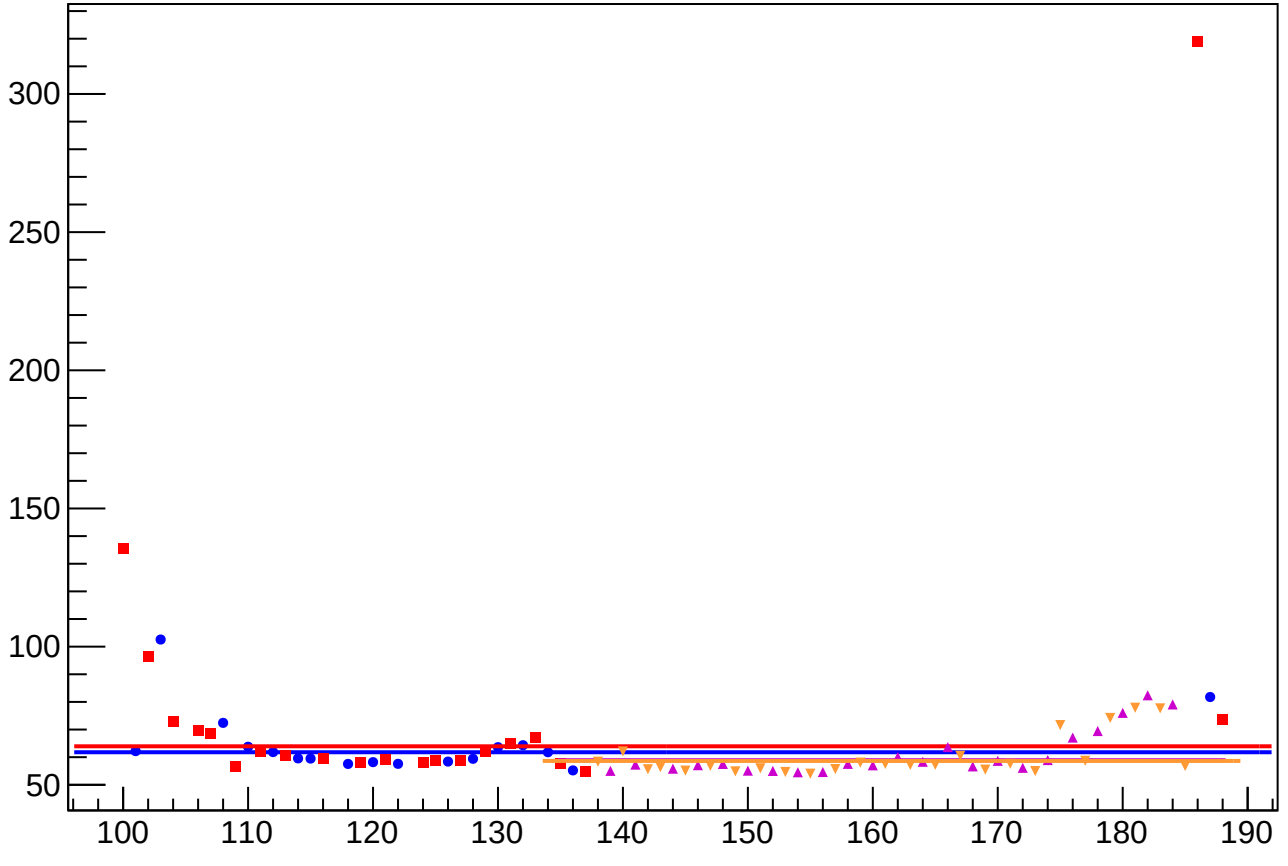
Right: -174.434+/-15.933 χ^2/NDF: 80.5/37

In: -196.728+/-11.864 χ^2/NDF:53.8/39

Out: -166.464+/-11.475 χ^2/NDF:91.2/45

All: -181.093+/-8.248 χ^2/NDF: 148.4/85

reg_asym_sam8_rms vs Slug, Sign Corrected



Right In: 61.786+/-0.016 χ^2/NDF: 273464.4/16

Left Out: 58.644+/-0.009 χ^2/NDF:393880.8/24

Right Out: 63.937+/-0.016 χ^2/NDF: 835644.0/20

Left In: 58.906+/-0.010 χ^2/NDF:386820.4/22

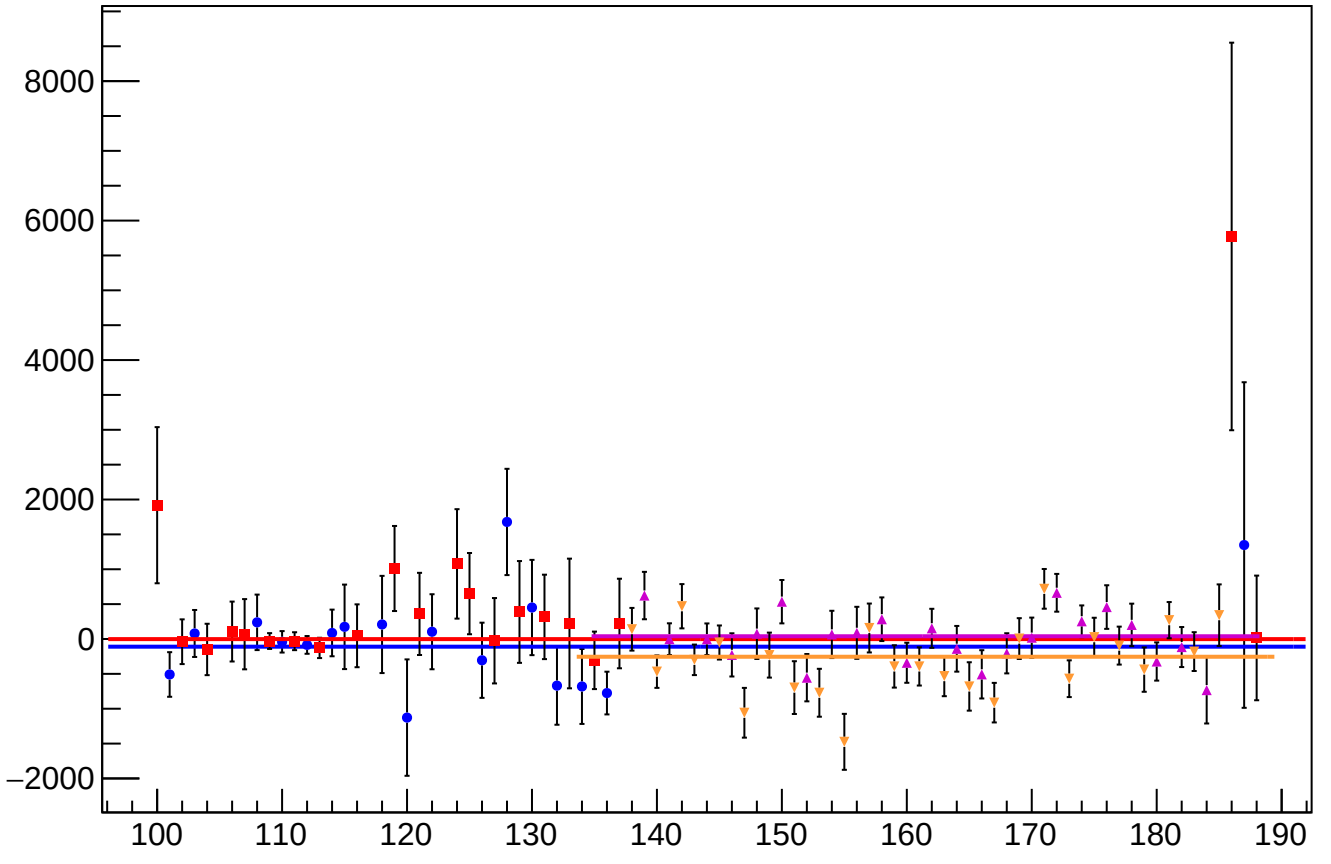
Left: 58.771+/-0.007 χ^2/NDF: 781070.9/47

Right: 62.900+/-0.011 χ^2/NDF: 1118210.3/37

In: 59.676+/-0.008 χ^2/NDF:683368.1/39

Out: 60.066+/-0.008 χ^2/NDF:1313139.4/45

All: 59.877+/-0.006 χ^2/NDF: 1997624.1/85



Right In: -110.331+/-76.172 χ^2/NDF: 18.8/16

Left Out: -254.628+/-58.877 χ^2/NDF:57.6/24

Right Out: -1.750+/-63.753 χ^2/NDF: 16.0/20

Left In: 39.147+/-61.883 χ^2/NDF:28.3/22

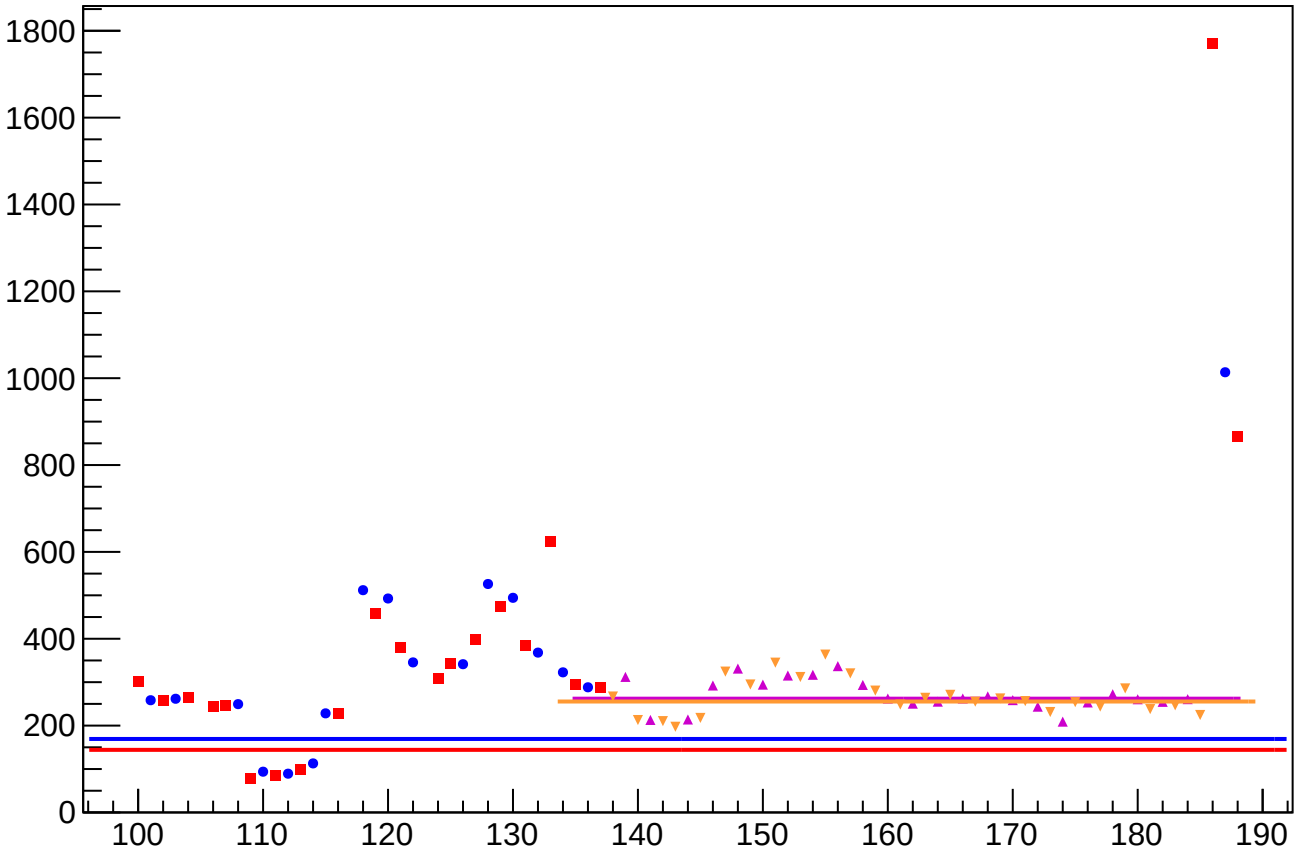
Left: -115.050+/-42.655 χ^2/NDF: 97.8/47

Right: -46.479+/-48.889 χ^2/NDF: 36.0/37

In: -20.285+/-48.030 χ^2/NDF:49.5/39

Out: -138.229+/-43.253 χ^2/NDF:82.1/45

All: -85.412+/-32.141 χ^2/NDF: 134.9/85



Right In: 169.230+/-0.054 χ^2/NDF: 4806011.4/16

Left Out: 255.469+/-0.042 χ^2/NDF:863866.8/24

Right Out: 144.151+/-0.045 χ^2/NDF: 7156462.3/20

Left In: 262.007+/-0.044 χ^2/NDF:670576.2/22

Left: 258.576+/-0.030 χ^2/NDF: 1546159.8/47

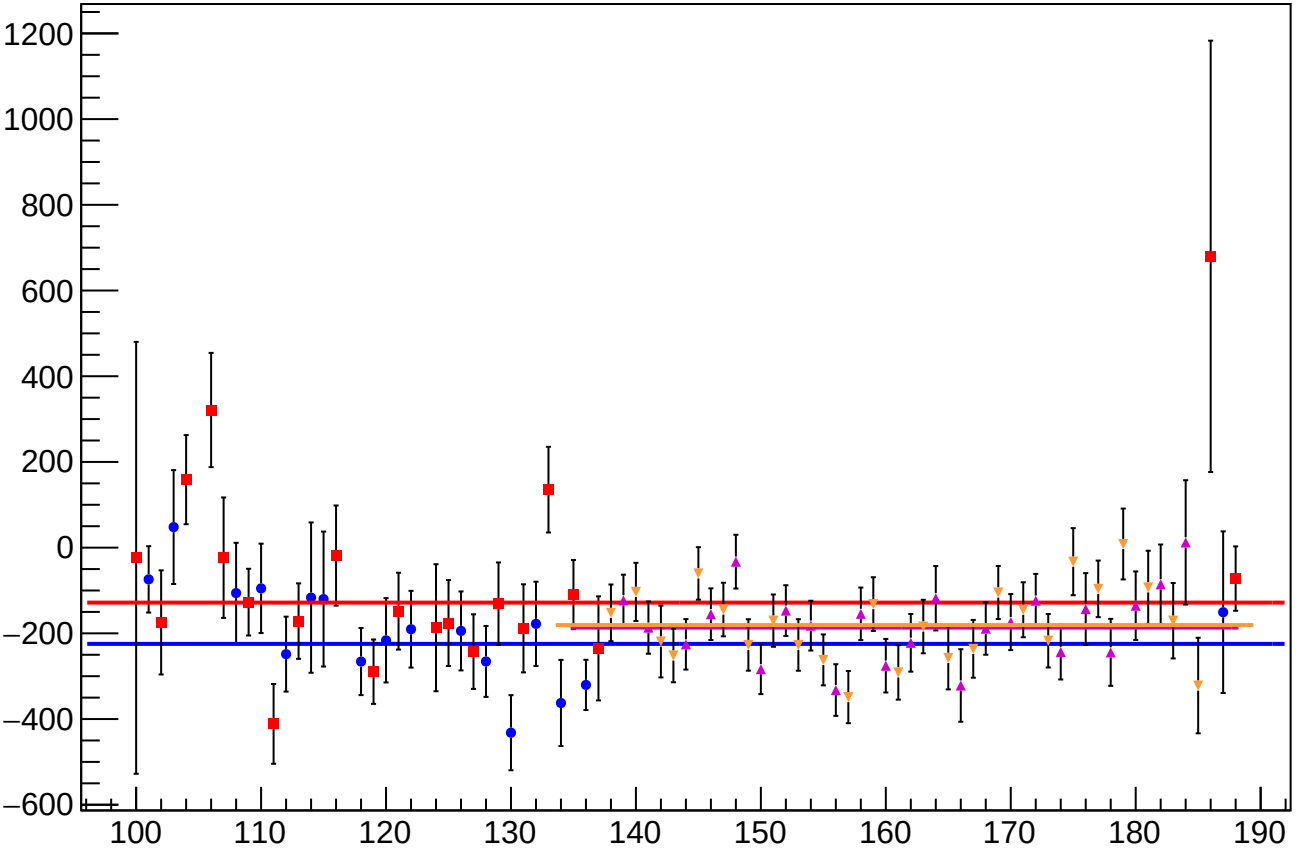
Right: 154.482+/-0.035 χ^2/NDF: 12089957.0/37

In: 225.119+/-0.034 χ^2/NDF:7263966.2/39

Out: 204.230+/-0.031 χ^2/NDF:11311236.1/45

All: 213.584+/-0.023 χ^2/NDF: 18784101.0/85

cor_asym_sam8_mean vs Slug, Sign Corrected



Right In: -224.581+/-22.947 χ^2/NDF: 22.8/16

Left Out: -180.680+/-13.419 χ^2/NDF:38.6/24

Right Out: -128.248+/-22.151 χ^2/NDF: 48.1/20

Left In: -186.567+/-13.860 χ^2/NDF:29.0/22

Left: -183.529+/-9.641 χ^2/NDF: 67.7/47

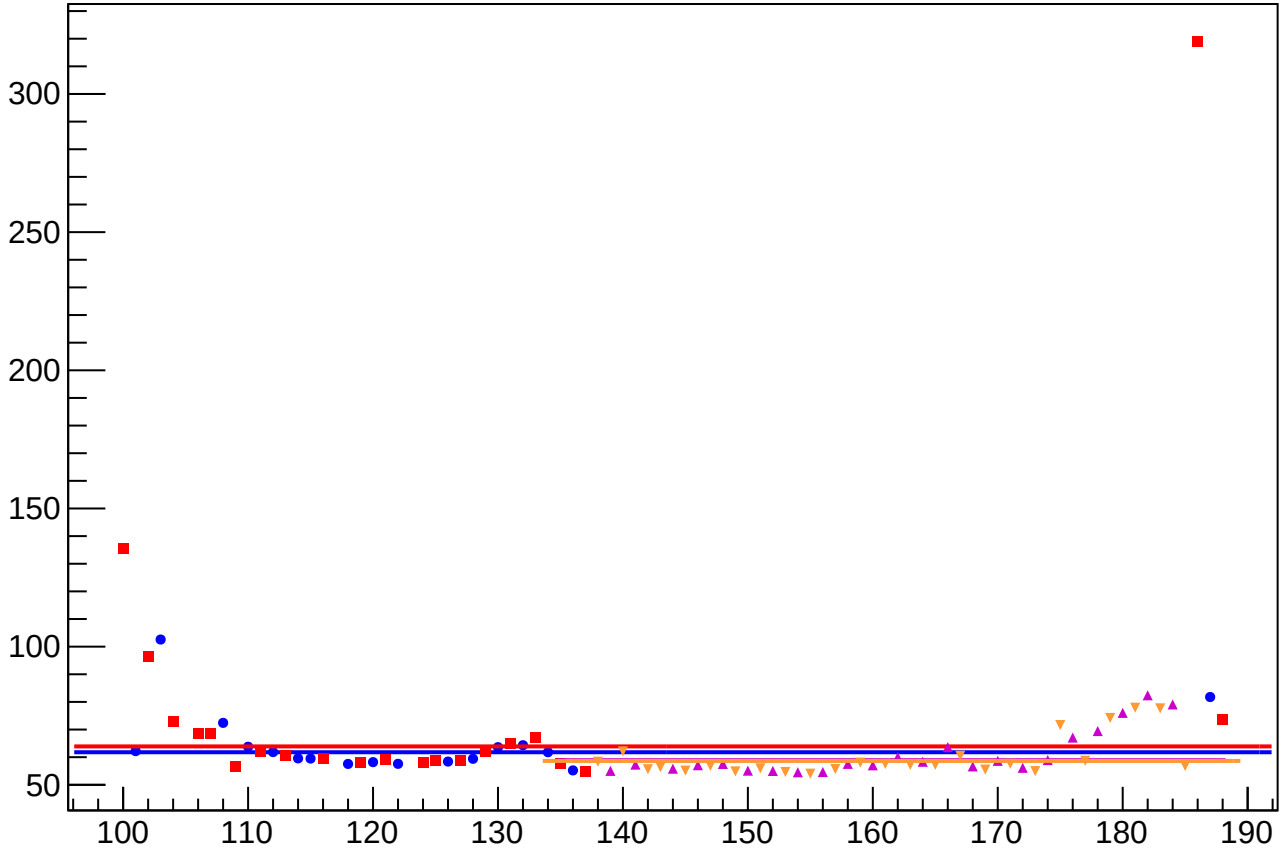
Right: -174.715+/-15.937 χ^2/NDF: 80.0/37

In: -196.729+/-11.864 χ^2/NDF:53.8/39

Out: -166.604+/-11.477 χ^2/NDF:90.8/45

All: -181.167+/-8.249 χ^2/NDF: 147.9/85

cor_asym_sam8_rms vs Slug, Sign Corrected



Right In: 61.786+/-0.016 χ^2/NDF: 273466.9/16

Left Out: 58.644+/-0.009 χ^2/NDF:393880.8/24

Right Out: 63.900+/-0.016 χ^2/NDF: 834364.0/20

Left In: 58.906+/-0.010 χ^2/NDF:386820.4/22

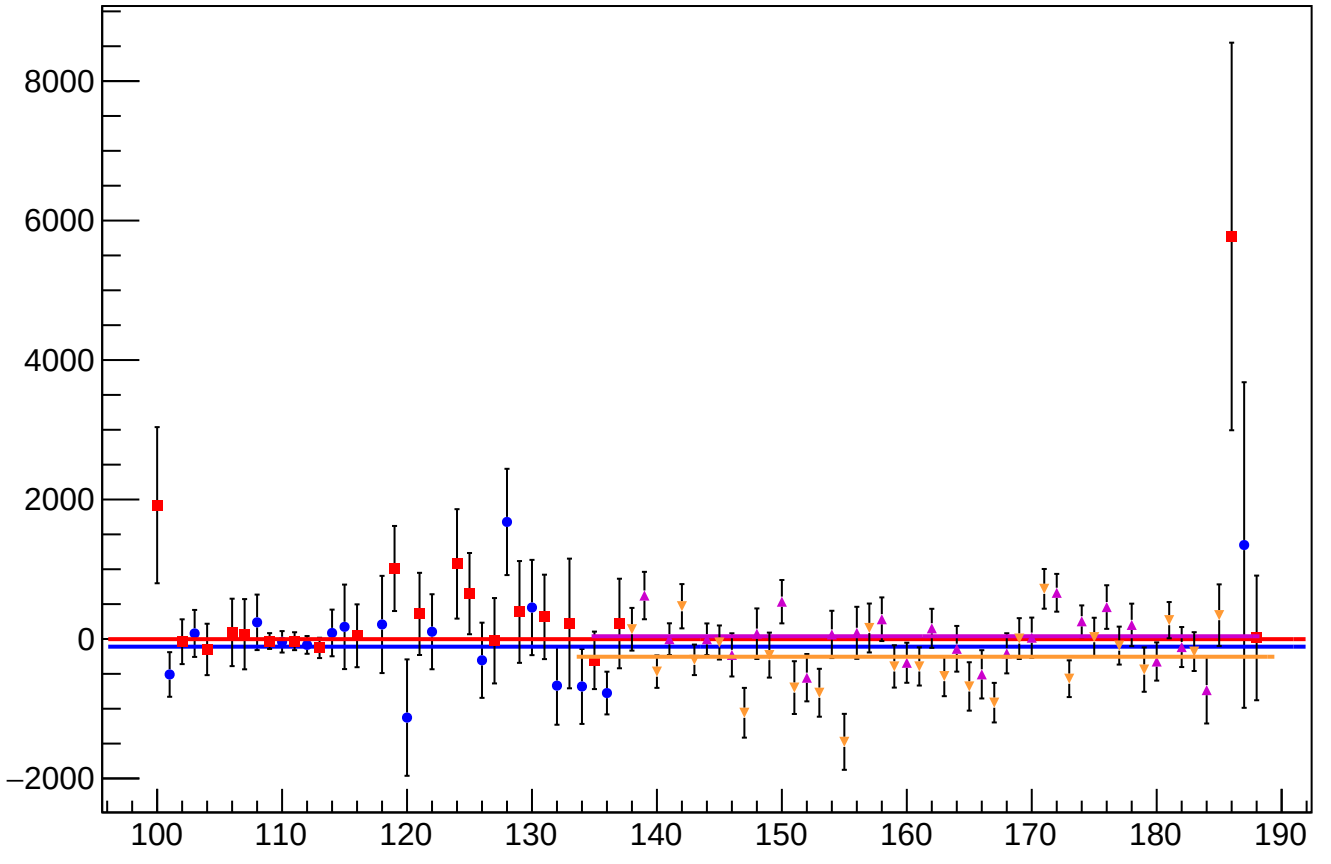
Left: 58.771+/-0.007 χ^2/NDF: 781071.0/47

Right: 62.880+/-0.011 χ^2/NDF: 1116612.0/37

In: 59.676+/-0.008 χ^2/NDF:683370.7/39

Out: 60.055+/-0.008 χ^2/NDF:1310608.8/45

All: 59.872+/-0.006 χ^2/NDF: 1995032.6/85



Right In: -110.313+/-76.172 χ^2/NDF: 18.8/16

Left Out: -254.625+/-58.877 χ^2/NDF:57.6/24

Right Out: -2.454+/-63.904 χ^2/NDF: 15.9/20

Left In: 39.144+/-61.883 χ^2/NDF:28.3/22

Left: -115.050+/-42.655 χ^2/NDF: 97.8/47

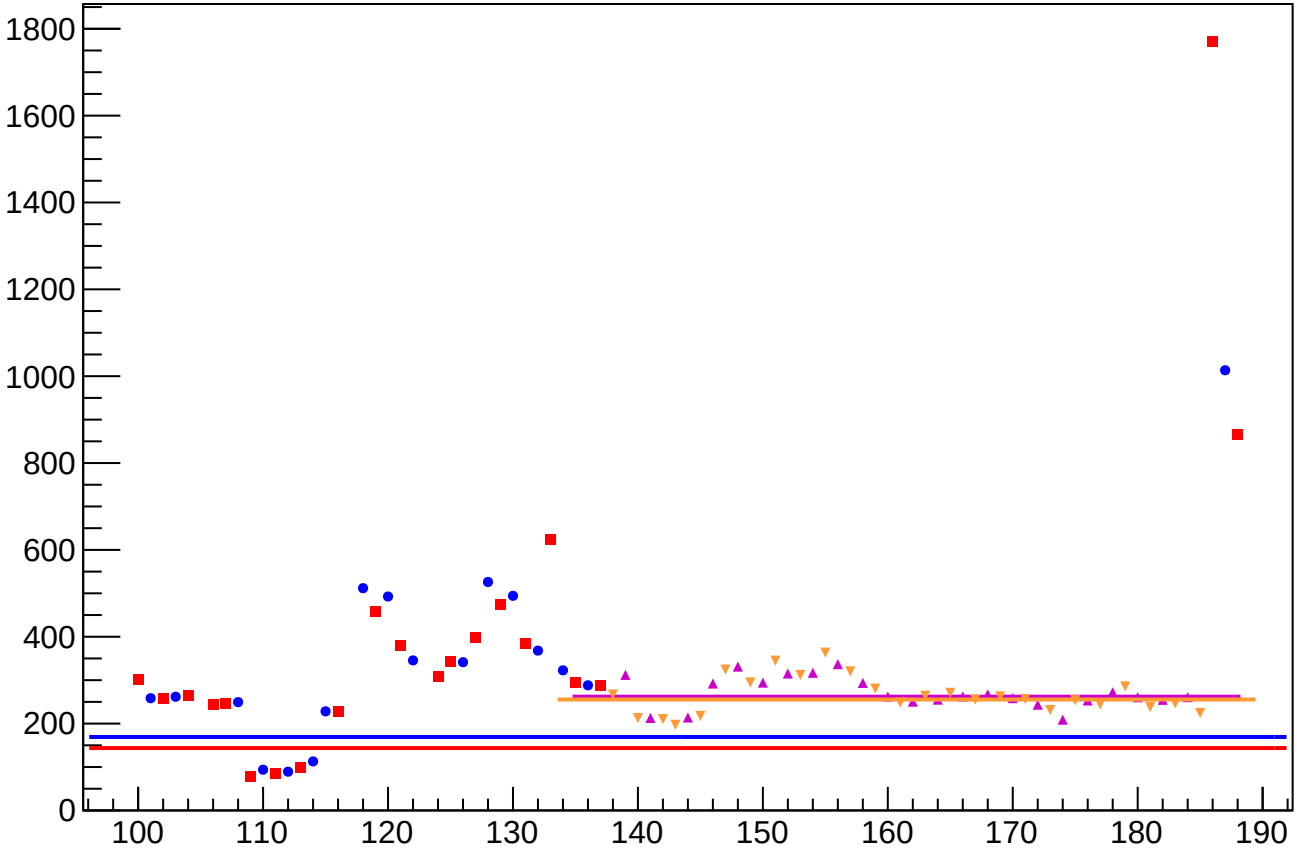
Right: -47.009+/-48.957 χ^2/NDF: 36.0/37

In: -20.279+/-48.030 χ^2/NDF:49.5/39

Out: -138.847+/-43.300 χ^2/NDF:82.0/45

All: -85.687+/-32.161 χ^2/NDF: 134.9/85

asym_sam8_cor_correction_rms vs Slug, Sign Corrected



Right In: 169.230+/-0.054 χ^2/NDF: 4806065.2/16

Left Out: 255.469+/-0.042 χ^2/NDF:863867.3/24

Right Out: 143.687+/-0.045 χ^2/NDF: 7134452.2/20

Left In: 262.007+/-0.044 χ^2/NDF:670574.8/22

Left: 258.576+/-0.030 χ^2/NDF: 1546159.5/47

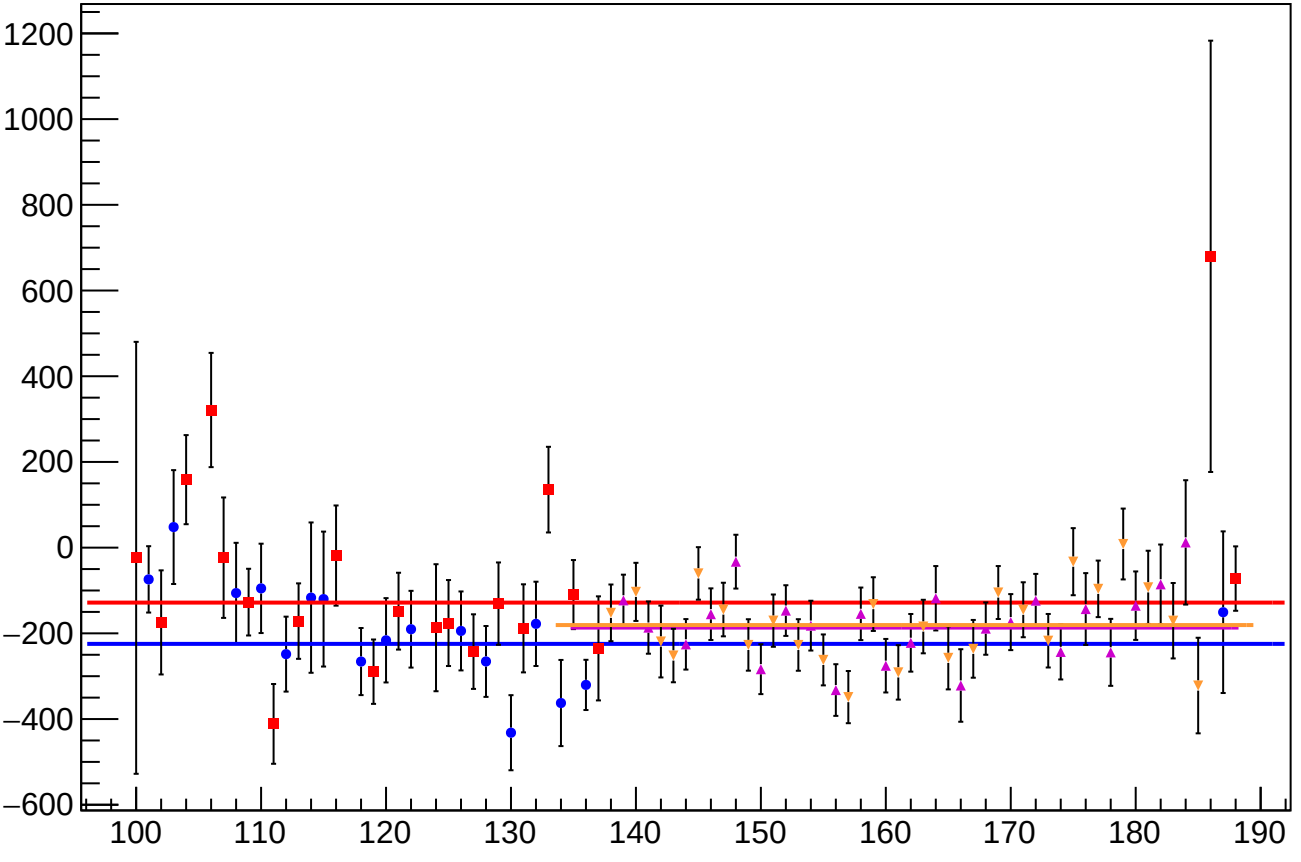
Right: 154.238+/-0.035 χ^2/NDF: 12072511.0/37

In: 225.120+/-0.034 χ^2/NDF:7263996.9/39

Out: 204.147+/-0.031 χ^2/NDF:11308272.7/45

All: 213.550+/-0.023 χ^2/NDF: 18782624.7/85

eigen_cor_asym_sam8_mean vs Slug, Sign Corrected



Right In: -224.581+/-22.947 χ^2/NDF: 22.8/16

Left Out: -180.680+/-13.419 χ^2/NDF:38.6/24

Right Out: -128.248+/-22.151 χ^2/NDF: 48.1/20

Left In: -186.567+/-13.860 χ^2/NDF:29.0/22

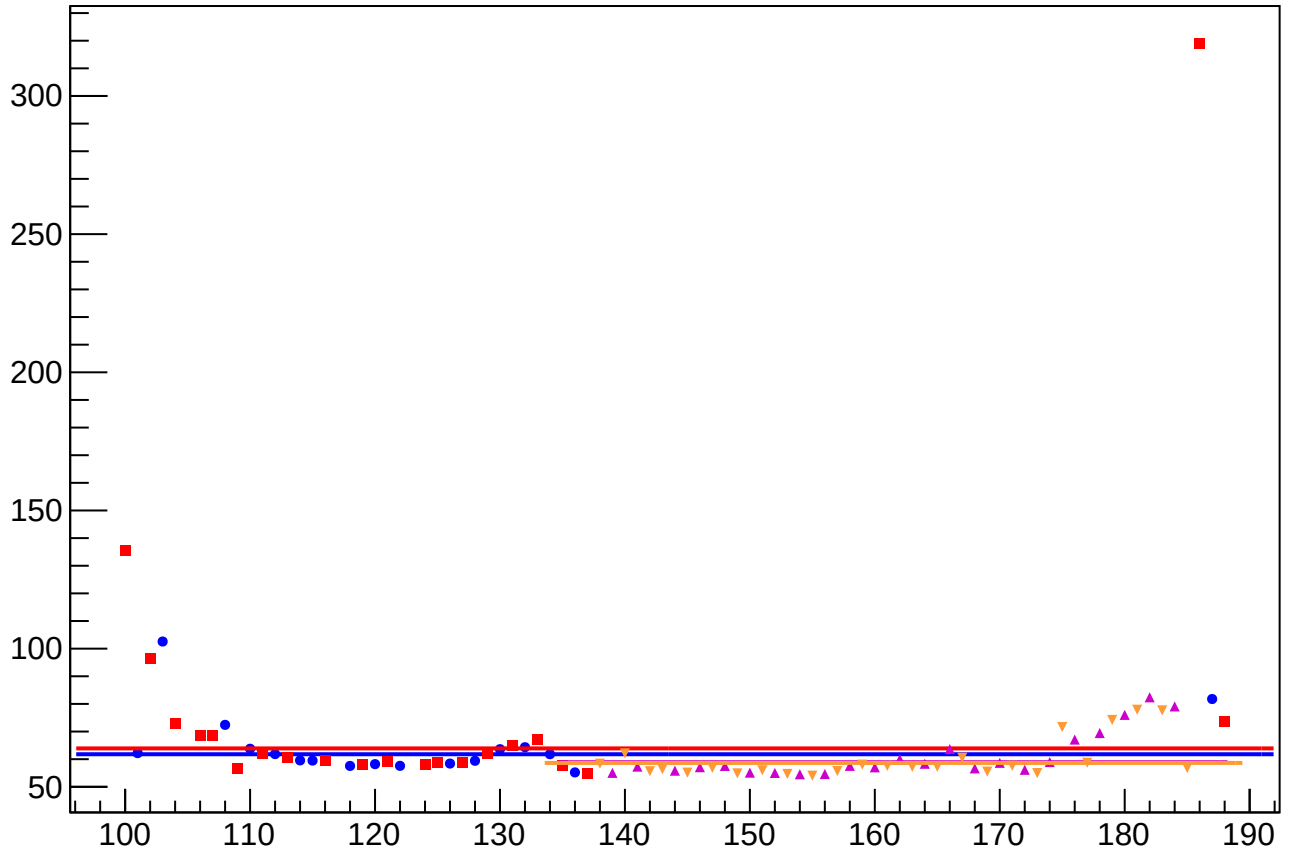
Left: -183.529+/-9.641 χ^2/NDF: 67.7/47

Right: -174.715+/-15.937 χ^2/NDF: 80.0/37

In: -196.729+/-11.864 χ^2/NDF:53.8/39

Out: -166.604+/-11.477 χ^2/NDF:90.8/45

All: -181.167+/-8.249 χ^2/NDF: 147.9/85



Right In: 61.786+/-0.016 χ^2/NDF: 273466.9/16

Left Out: 58.644+/-0.009 χ^2/NDF:393880.8/24

Right Out: 63.900+/-0.016 χ^2/NDF: 834364.0/20

Left In: 58.906+/-0.010 χ^2/NDF:386820.4/22

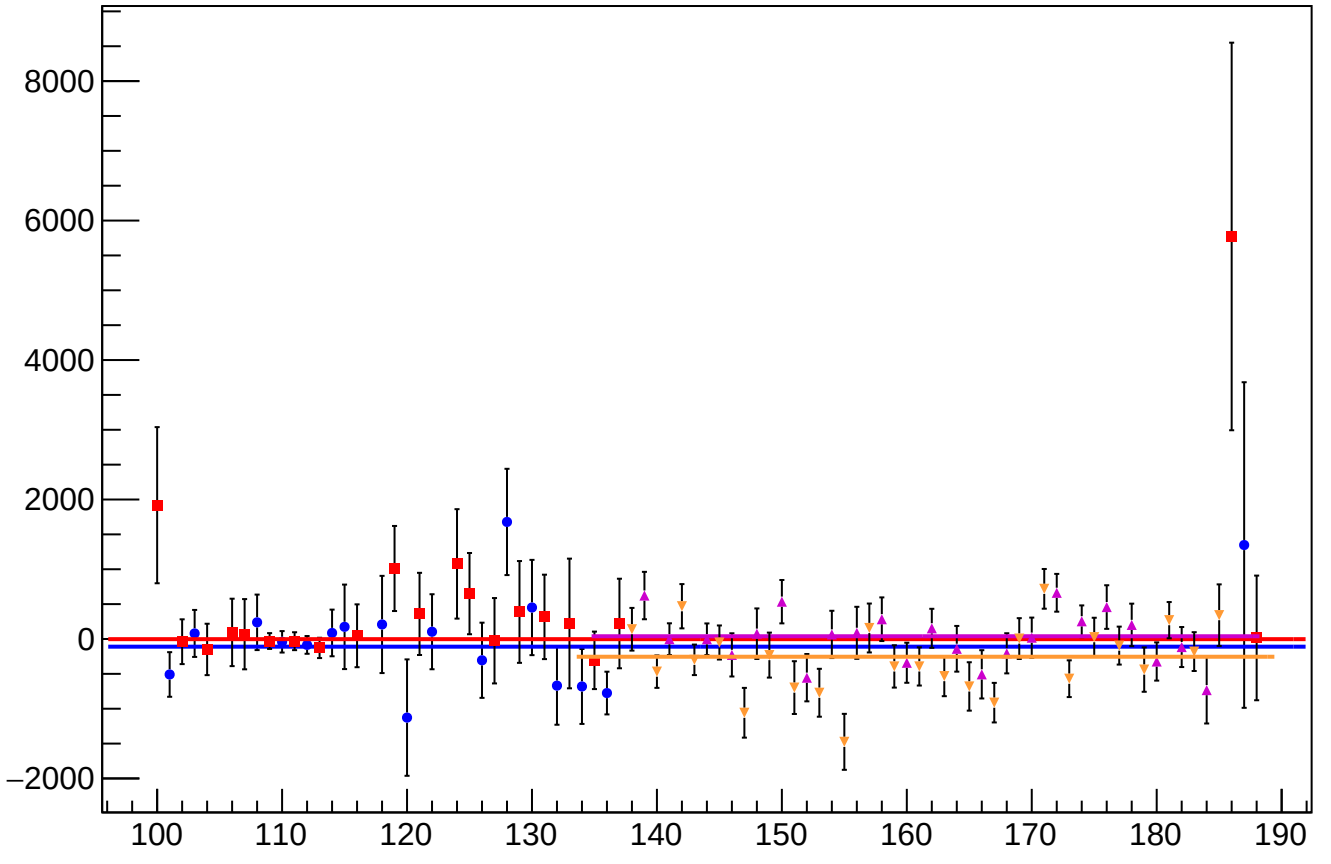
Left: 58.771+/-0.007 χ^2/NDF: 781071.0/47

Right: 62.880+/-0.011 χ^2/NDF: 1116612.0/37

In: 59.676+/-0.008 χ^2/NDF:683370.7/39

Out: 60.055+/-0.008 χ^2/NDF:1310608.8/45

All: 59.872+/-0.006 χ^2/NDF: 1995032.6/85



Right In: -110.313+/-76.172 χ^2/NDF: 18.8/16

Left Out: -254.625+/-58.877 χ^2/NDF:57.6/24

Right Out: -2.454+/-63.904 χ^2/NDF: 15.9/20

Left In: 39.144+/-61.883 χ^2/NDF:28.3/22

Left: -115.050+/-42.655 χ^2/NDF: 97.8/47

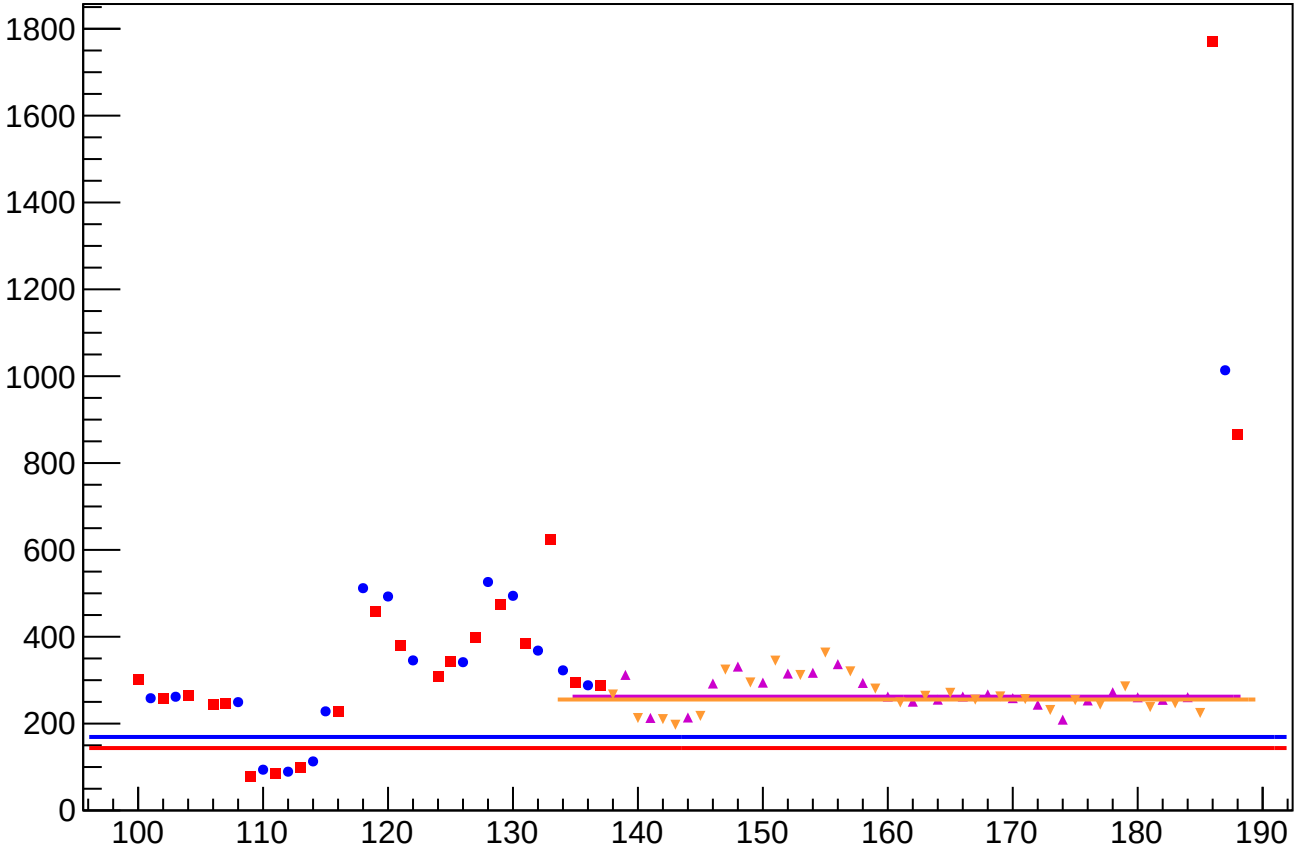
Right: -47.009+/-48.957 χ^2/NDF: 36.0/37

In: -20.279+/-48.030 χ^2/NDF:49.5/39

Out: -138.847+/-43.300 χ^2/NDF:82.0/45

All: -85.687+/-32.161 χ^2/NDF: 134.9/85

asym_sam8_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 169.230+/-0.054 χ^2/NDF: 4806065.2/16

Left Out: 255.469+/-0.042 χ^2/NDF:863867.3/24

Right Out: 143.687+/-0.045 χ^2/NDF: 7134452.2/20

Left In: 262.007+/-0.044 χ^2/NDF:670574.8/22

Left: 258.576+/-0.030 χ^2/NDF: 1546159.5/47

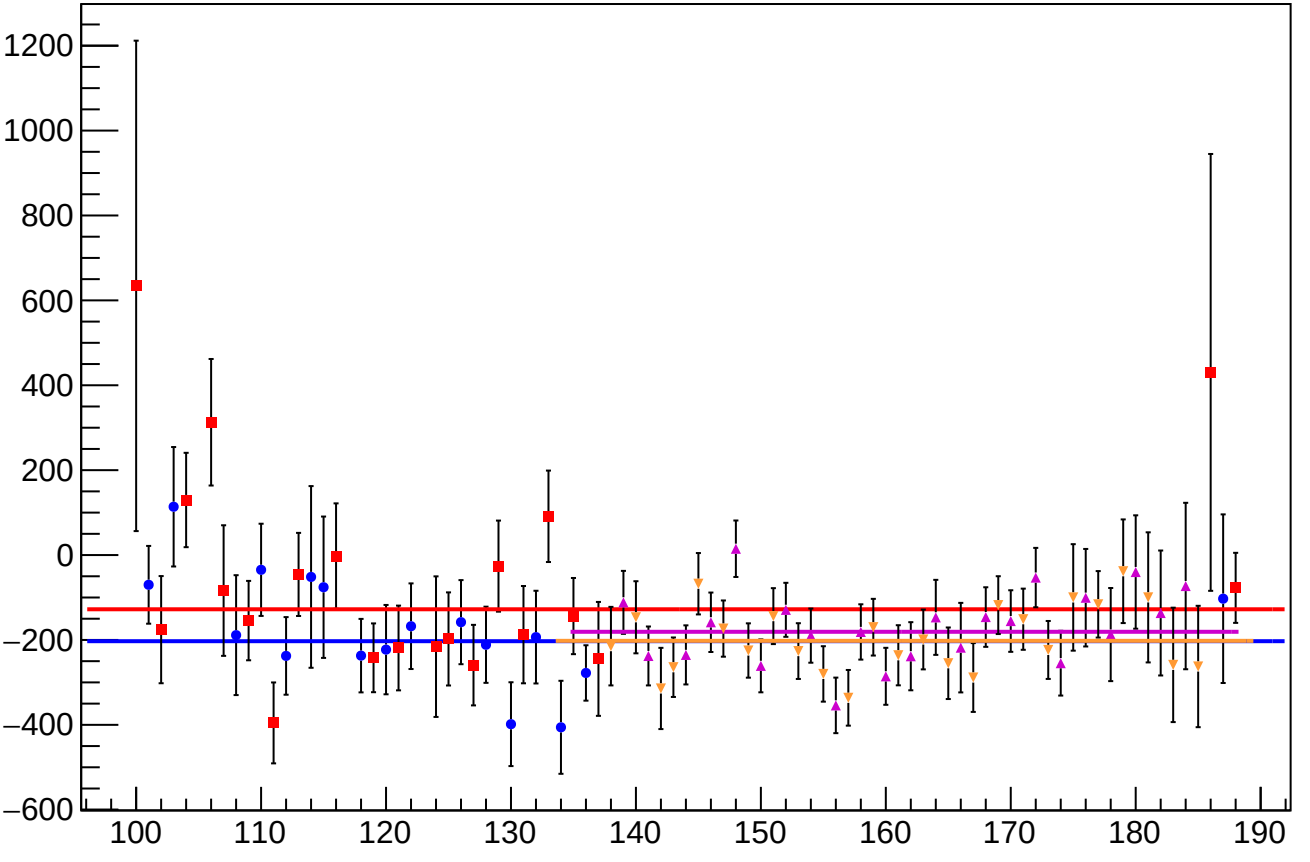
Right: 154.238+/-0.035 χ^2/NDF: 12072511.0/37

In: 225.120+/-0.034 χ^2/NDF:7263996.9/39

Out: 204.147+/-0.031 χ^2/NDF:11308272.7/45

All: 213.550+/-0.023 χ^2/NDF: 18782624.7/85

dit_asym_sam8_mean vs Slug, Sign Corrected



Right In: -202.924+/-25.315 χ^2/NDF: 20.3/16

Left Out: -202.090+/-15.538 χ^2/NDF:21.5/24

Right Out: -127.741+/-24.322 χ^2/NDF: 38.8/20

Left In: -180.784+/-16.019 χ^2/NDF:30.1/22

Left: -191.762+/-11.153 χ^2/NDF: 52.6/47

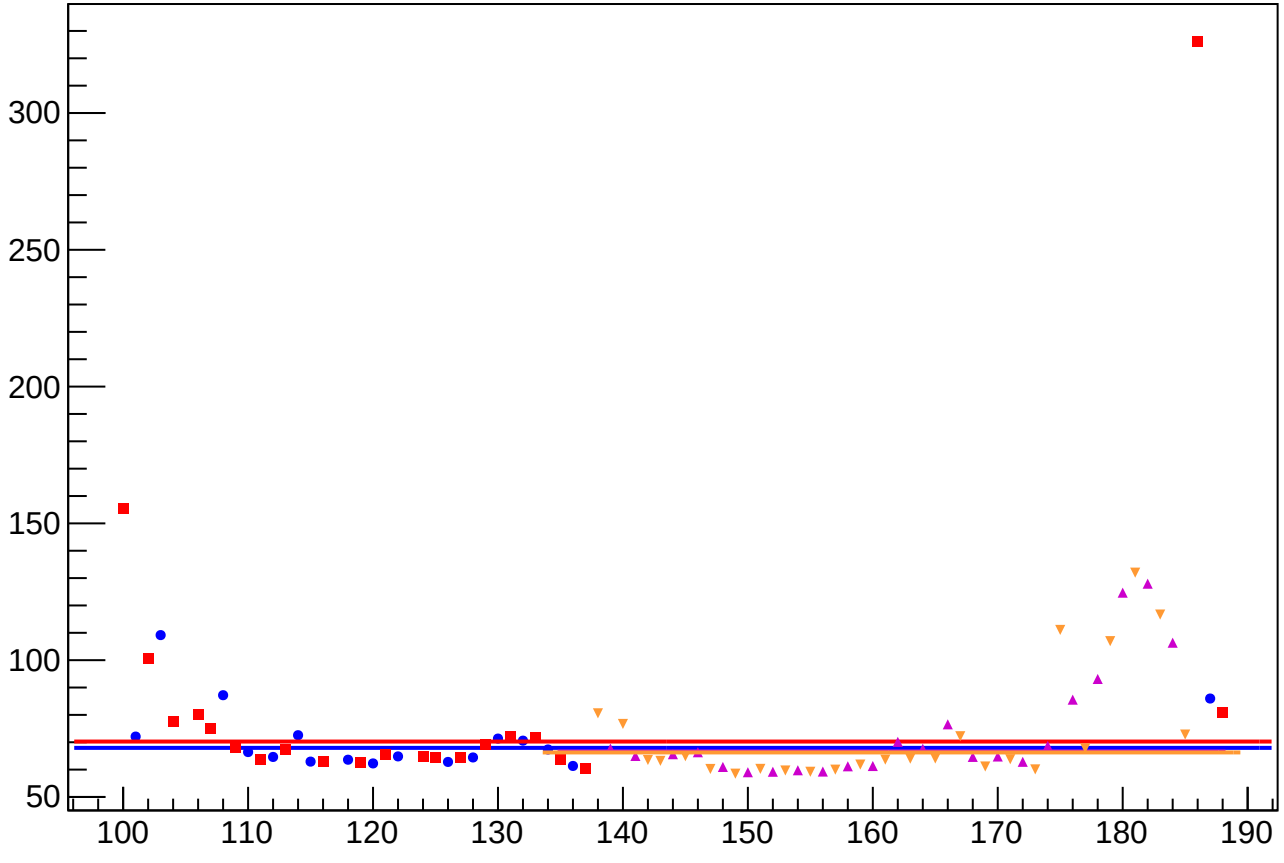
Right: -163.828+/-17.539 χ^2/NDF: 63.7/37

In: -187.114+/-13.537 χ^2/NDF:50.9/39

Out: -180.541+/-13.094 χ^2/NDF:67.0/45

All: -183.718+/-9.411 χ^2/NDF: 118.1/85

dit_asym_sam8_rms vs Slug, Sign Corrected



Right In: 67.945+/-0.018 χ^2/NDF: 280426.5/16

Left Out: 66.279+/-0.011 χ^2/NDF:1393879.2/24

Right Out: 70.255+/-0.017 χ^2/NDF: 783167.6/20

Left In: 66.585+/-0.011 χ^2/NDF:1158238.0/22

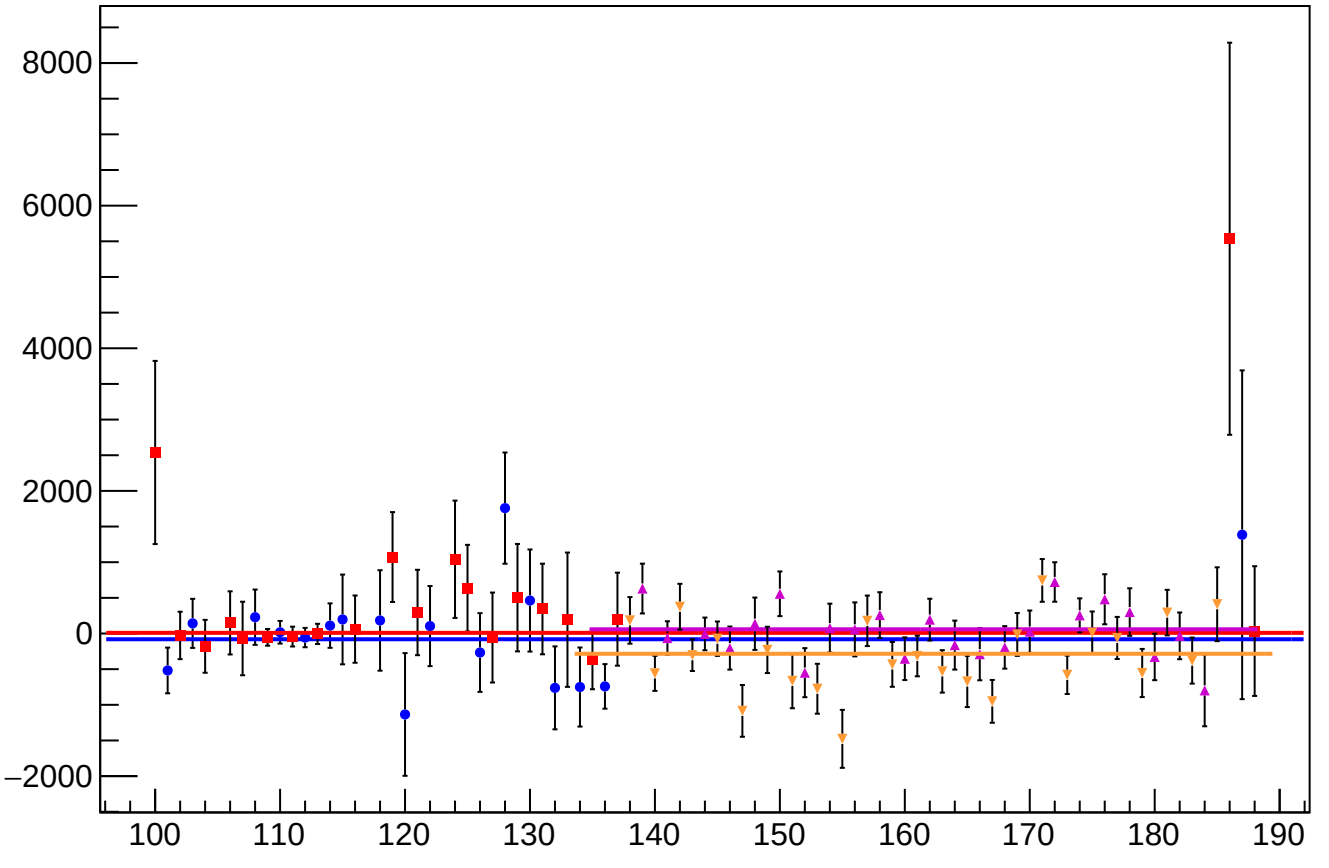
Left: 66.427+/-0.008 χ^2/NDF: 2552494.2/47

Right: 69.146+/-0.012 χ^2/NDF: 1072252.1/37

In: 66.974+/-0.010 χ^2/NDF:1442785.4/39

Out: 67.431+/-0.009 χ^2/NDF:2215004.4/45

All: 67.210+/-0.007 χ^2/NDF: 3658968.5/85



Right In: -80.521+/-78.630 χ^2/NDF: 19.6/16

Left Out: -284.450+/-61.727 χ^2/NDF:54.6/24

Right Out: 9.369+/-65.719 χ^2/NDF: 16.1/20

Left In: 59.160+/-64.636 χ^2/NDF:26.8/22

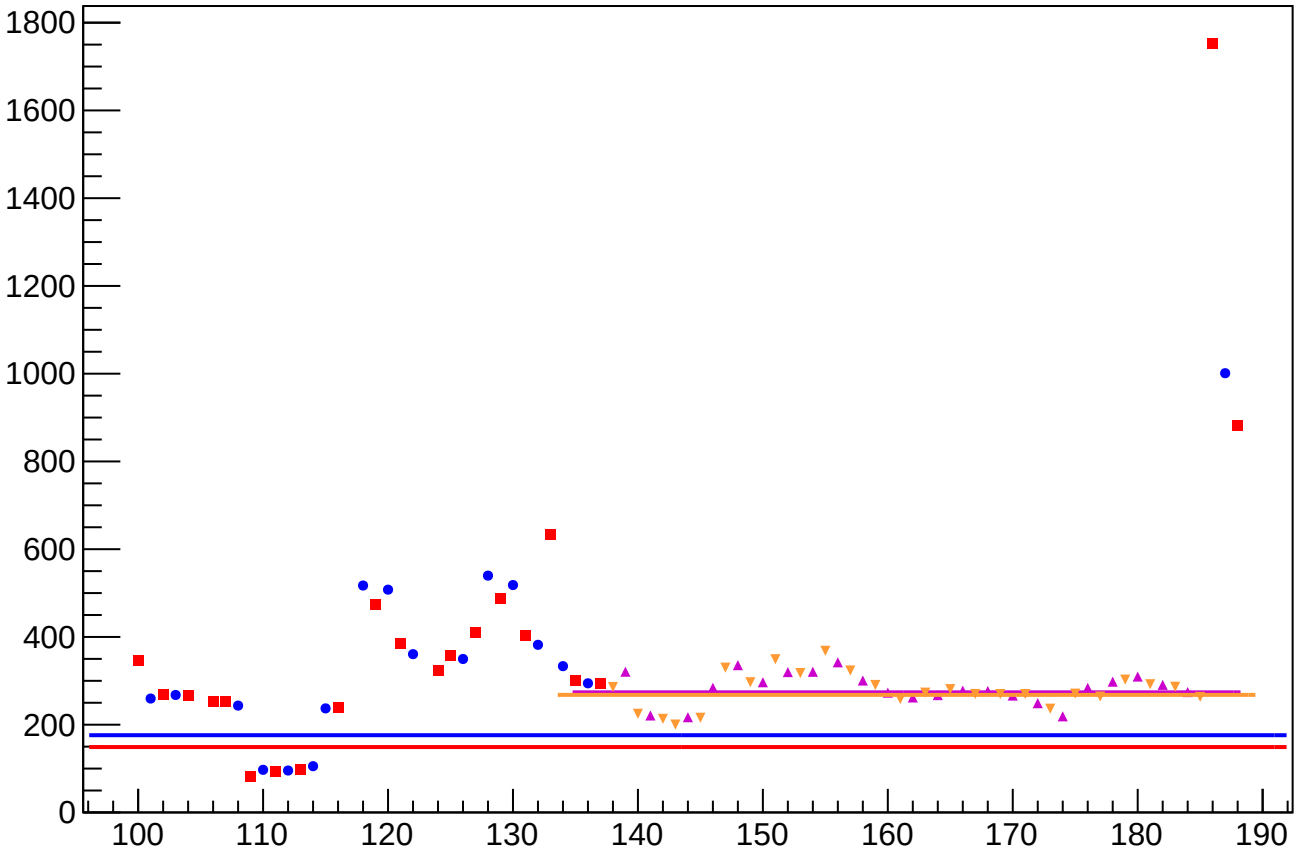
Left: -120.551+/-44.641 χ^2/NDF: 96.2/47

Right: -27.599+/-50.426 χ^2/NDF: 36.5/37

In: 2.834+/-49.931 χ^2/NDF:48.3/39

Out: -146.734+/-44.993 χ^2/NDF:81.3/45

All: -79.710+/-33.425 χ^2/NDF: 134.6/85



Right In: 176.060+/-0.056 χ^2/NDF: 4685574.0/16

Left Out: 267.985+/-0.044 χ^2/NDF:862786.9/24

Right Out: 149.050+/-0.046 χ^2/NDF: 7124115.5/20

Left In: 273.751+/-0.046 χ^2/NDF:650295.5/22

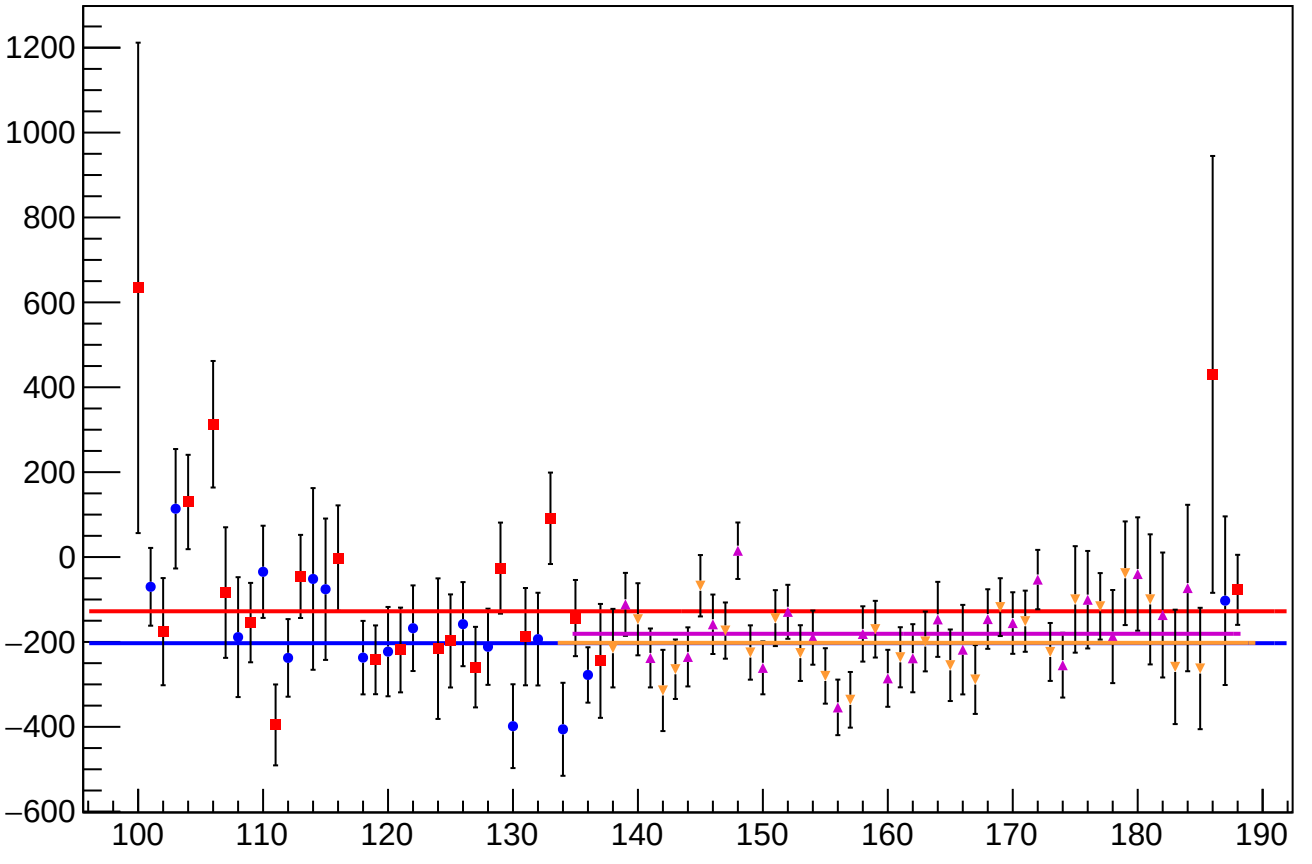
Left: 270.736+/-0.032 χ^2/NDF: 1521404.4/47

Right: 160.158+/-0.036 χ^2/NDF: 11948635.5/37

In: 234.357+/-0.035 χ^2/NDF:7178125.3/39

Out: 212.239+/-0.032 χ^2/NDF:11467095.6/45

All: 222.151+/-0.024 χ^2/NDF: 18861812.2/85



Right In: -202.924+/-25.315 χ^2/NDF: 20.3/16

Left Out: -202.090+/-15.538 χ^2/NDF:21.5/24

Right Out: -127.742+/-24.322 χ^2/NDF: 38.8/20

Left In: -180.785+/-16.019 χ^2/NDF:30.1/22

Left: -191.762+/-11.153 χ^2/NDF: 52.6/47

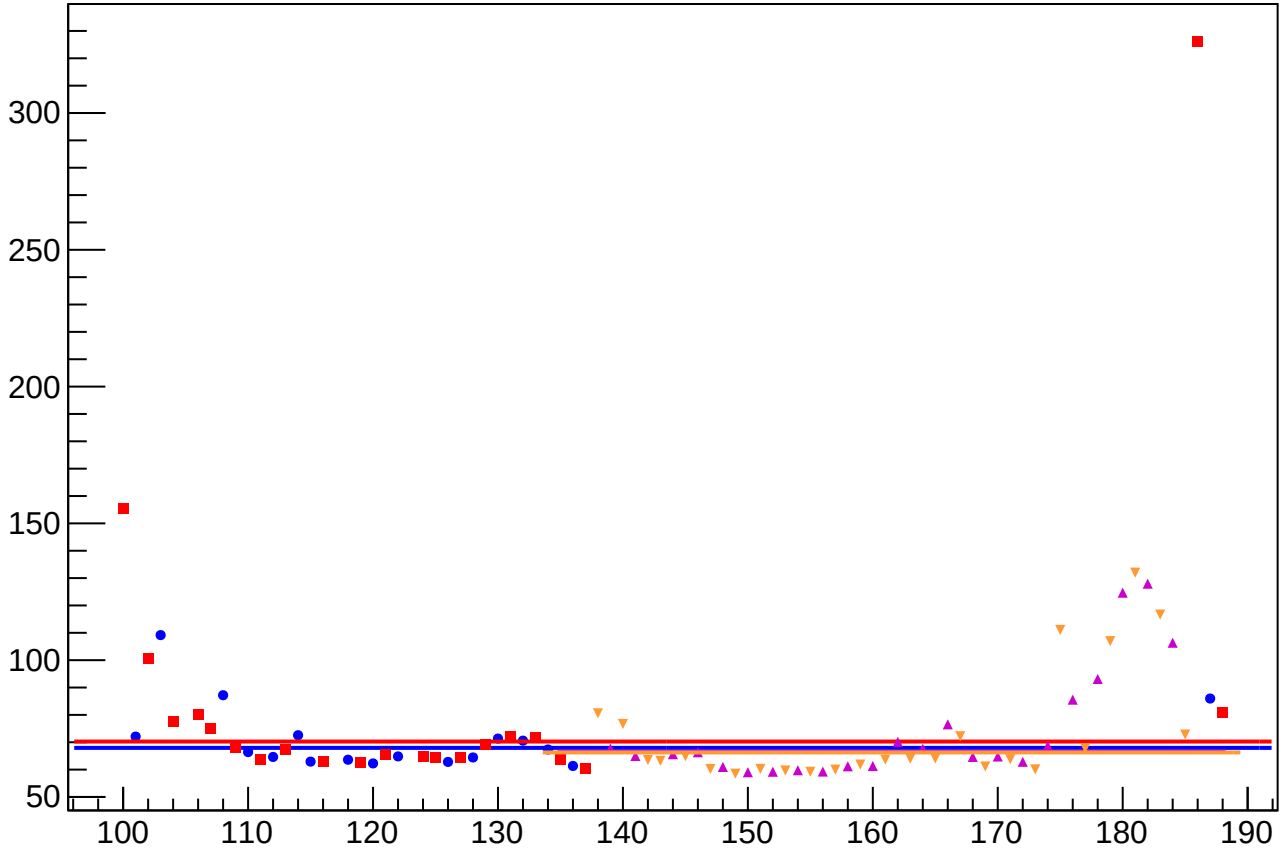
Right: -163.828+/-17.539 χ^2/NDF: 63.7/37

In: -187.115+/-13.537 χ^2/NDF:50.9/39

Out: -180.541+/-13.094 χ^2/NDF:67.0/45

All: -183.719+/-9.411 χ^2/NDF: 118.1/85

eigen_dit_asym_sam8_rms vs Slug, Sign Corrected



Right In: 67.945+/-0.018 χ^2/NDF: 280426.9/16

Left Out: 66.279+/-0.011 χ^2/NDF:1393881.3/24

Right Out: 70.255+/-0.017 χ^2/NDF: 783169.3/20

Left In: 66.585+/-0.011 χ^2/NDF:1158231.7/22

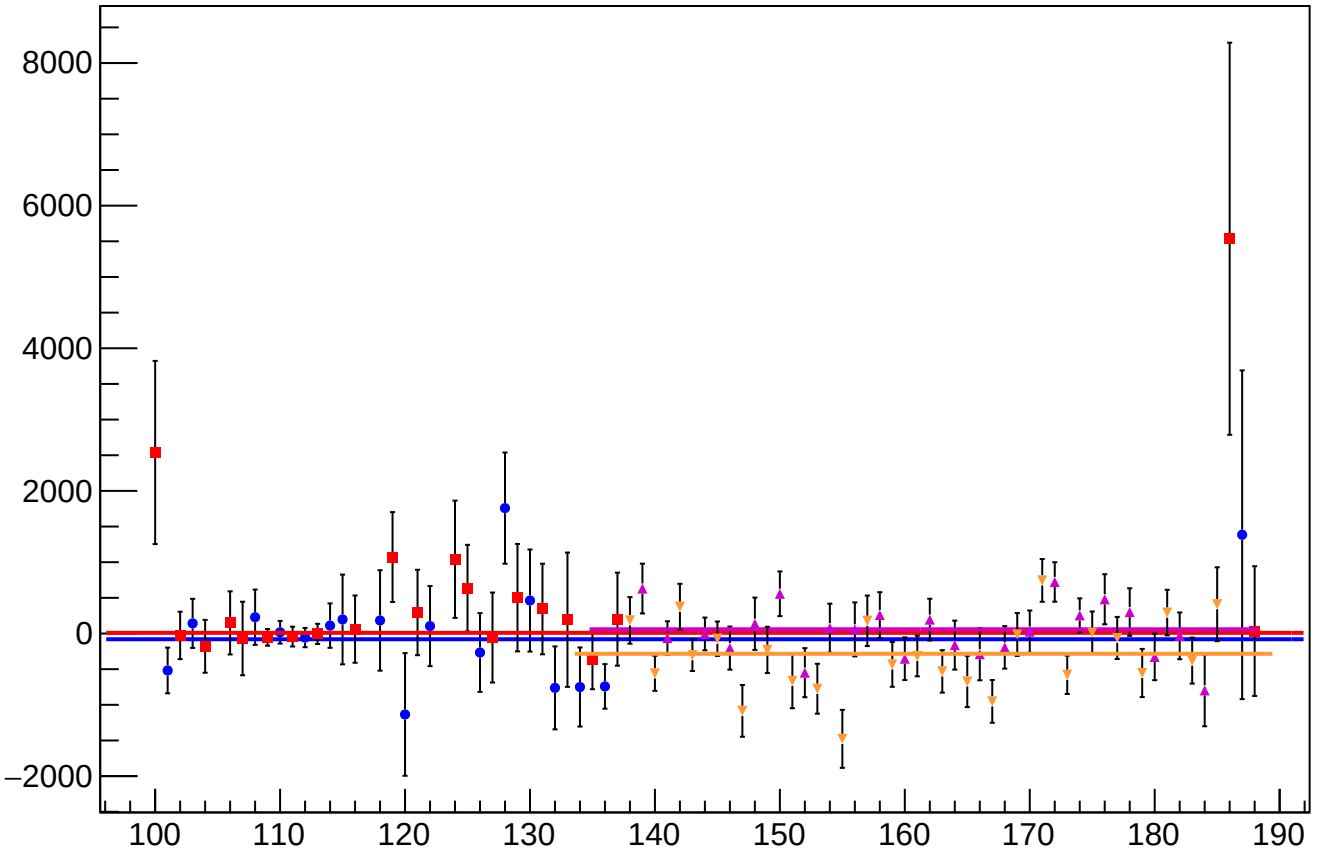
Left: 66.428+/-0.008 χ^2/NDF: 2552490.1/47

Right: 69.146+/-0.012 χ^2/NDF: 1072253.7/37

In: 66.974+/-0.010 χ^2/NDF:1442778.2/39

Out: 67.431+/-0.009 χ^2/NDF:2215003.5/45

All: 67.210+/-0.007 χ^2/NDF: 3658960.3/85



Right In: -80.519+/-78.630 χ^2/NDF: 19.6/16

Left Out: -284.450+/-61.727 χ^2/NDF:54.6/24

Right Out: 9.368+/-65.719 χ^2/NDF: 16.1/20

Left In: 59.160+/-64.636 χ^2/NDF:26.8/22

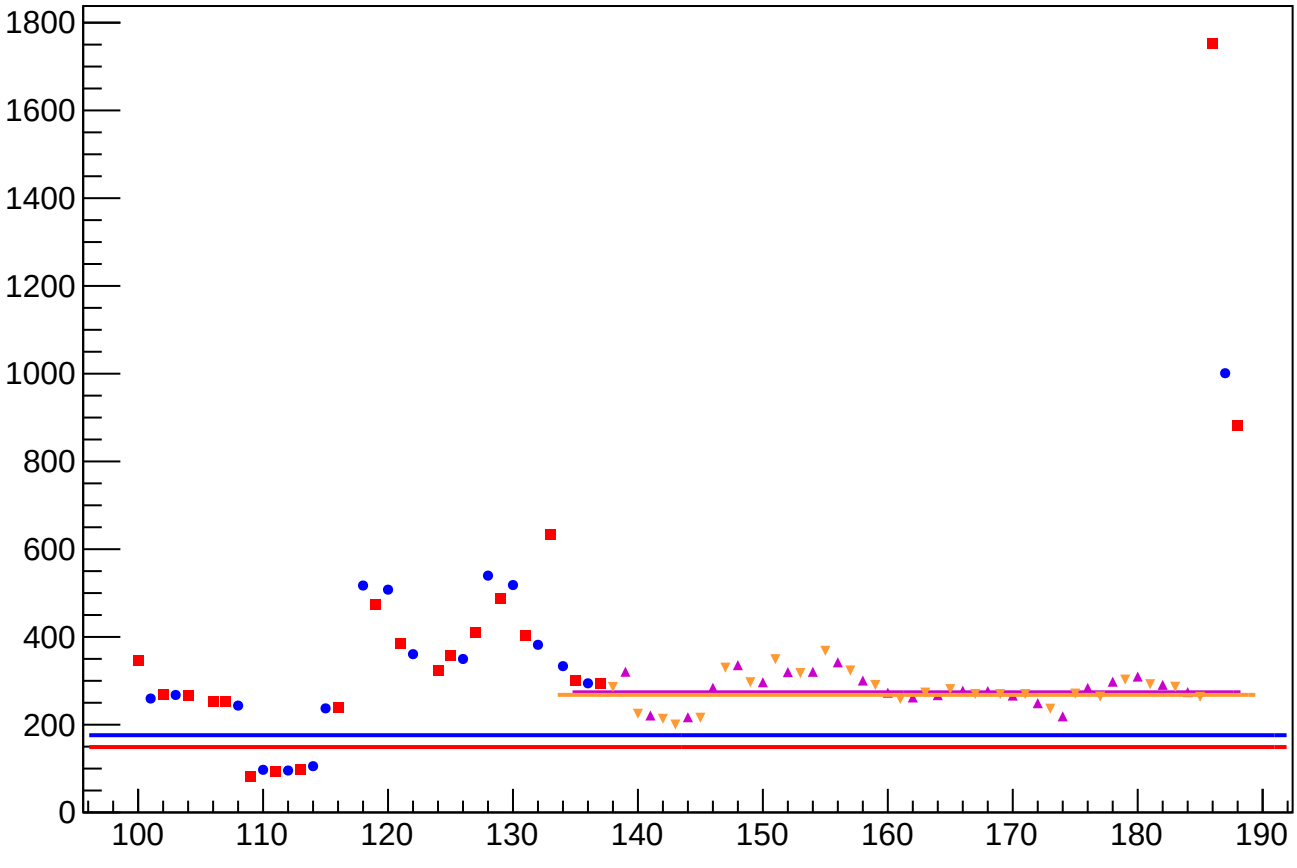
Left: -120.551+/-44.641 χ^2/NDF: 96.2/47

Right: -27.600+/-50.425 χ^2/NDF: 36.5/37

In: 2.835+/-49.931 χ^2/NDF:48.3/39

Out: -146.734+/-44.993 χ^2/NDF:81.3/45

All: -79.710+/-33.425 χ^2/NDF: 134.6/85



Right In: 176.059+/-0.056 χ^2/NDF: 4685596.3/16

Left Out: 267.985+/-0.044 χ^2/NDF:862797.1/24

Right Out: 149.049+/-0.046 χ^2/NDF: 7124094.9/20

Left In: 273.750+/-0.046 χ^2/NDF:650300.9/22

Left: 270.735+/-0.032 χ^2/NDF: 1521420.2/47

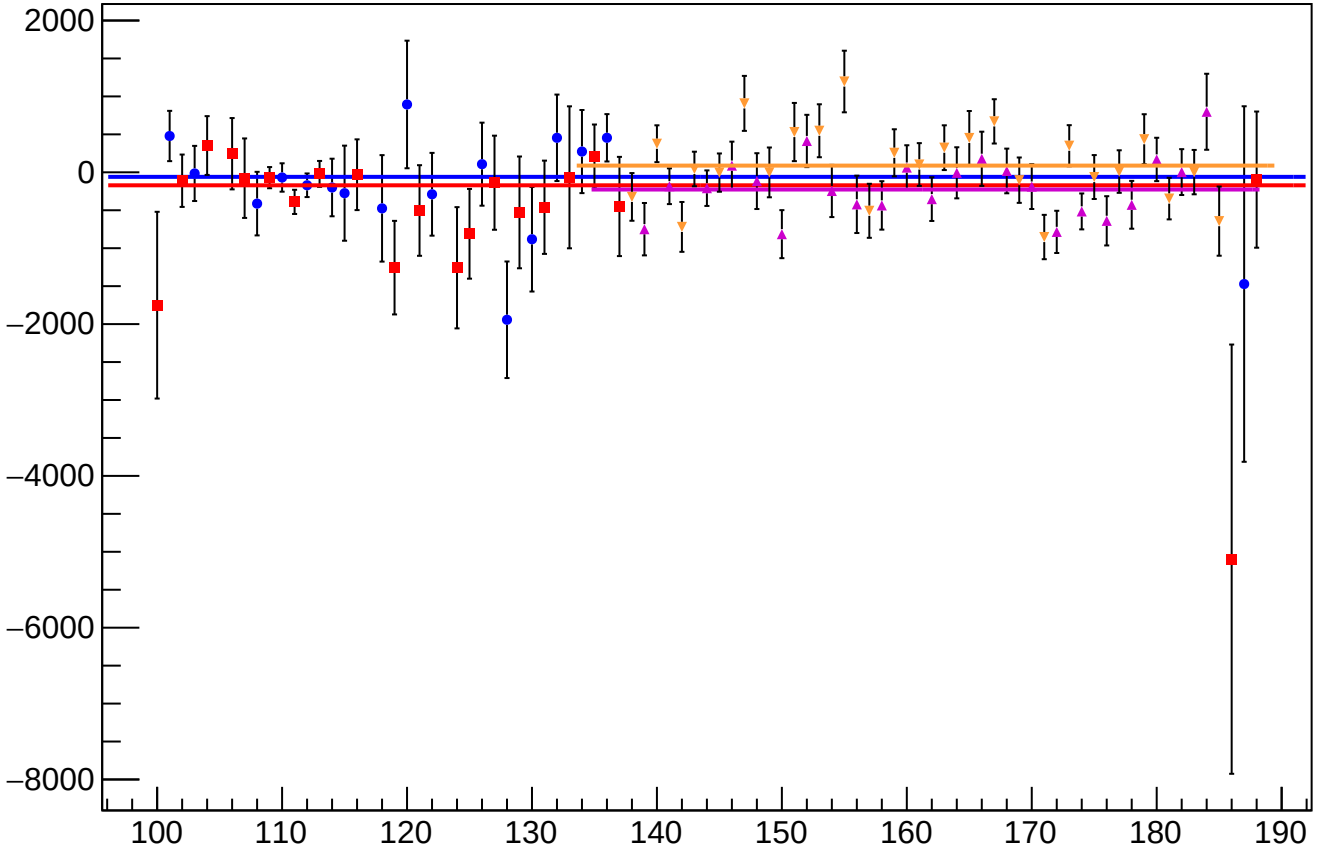
Right: 160.158+/-0.036 χ^2/NDF: 11948627.4/37

In: 234.356+/-0.035 χ^2/NDF:7178188.5/39

Out: 212.238+/-0.032 χ^2/NDF:11467067.9/45

All: 222.150+/-0.024 χ^2/NDF: 18861836.8/85

asym_sam8_mean vs Slug, Sign Corrected



Right In: -59.914+/-86.831 χ^2/NDF: 17.7/16

Left Out: 88.397+/-60.666 χ^2/NDF:52.2/24

Right Out: -171.231+/-74.316 χ^2/NDF: 18.5/20

Left In: -226.867+/-63.677 χ^2/NDF:28.8/22

Left: -61.606+/-43.923 χ^2/NDF: 93.9/47

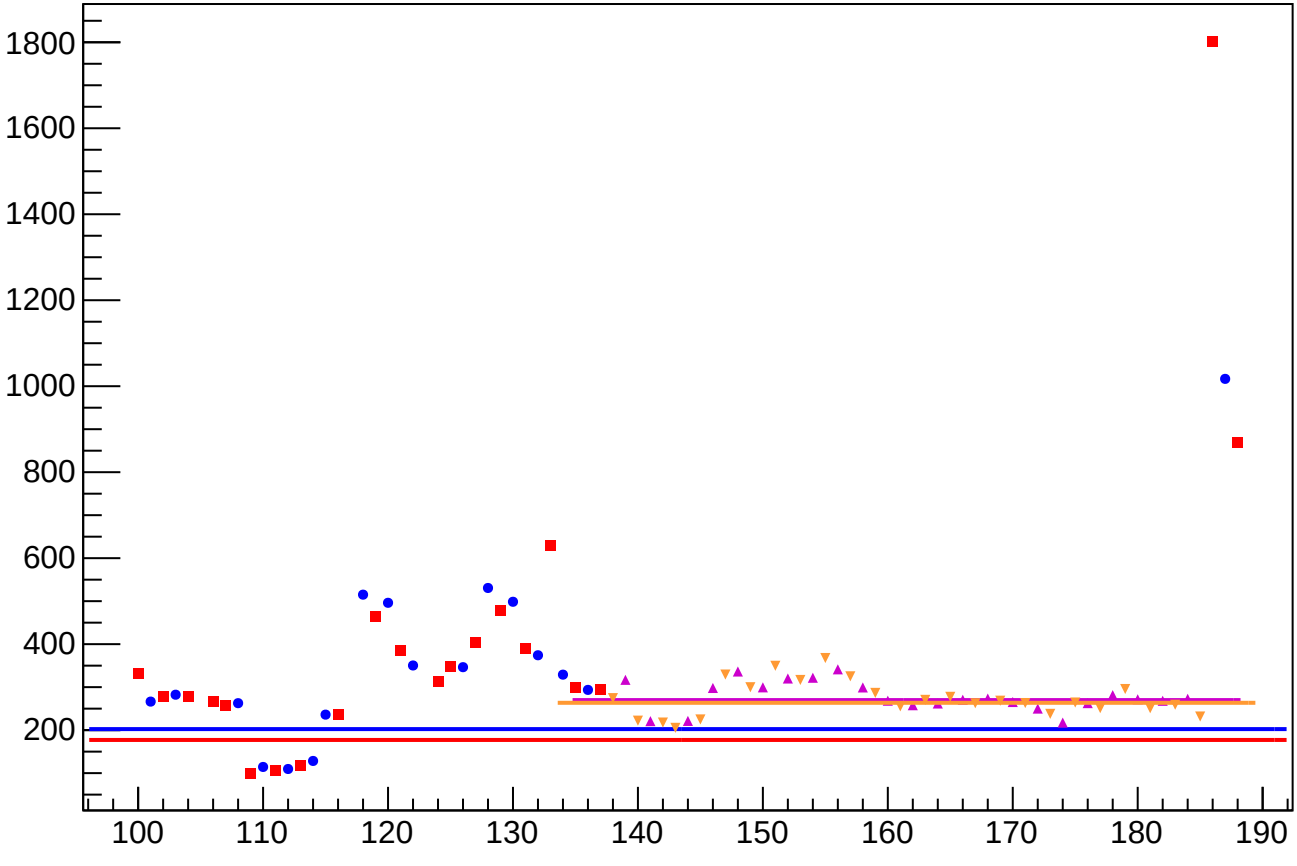
Right: -124.166+/-56.460 χ^2/NDF: 37.2/37

In: -168.480+/-51.349 χ^2/NDF:49.0/39

Out: -15.429+/-46.996 χ^2/NDF:78.1/45

All: -85.193+/-34.668 χ^2/NDF: 131.9/85

asym_sam8_rms vs Slug, Sign Corrected



Right In: 202.422+/-0.061 χ^2/NDF: 3814457.7/16

Left Out: 263.593+/-0.043 χ^2/NDF:779853.4/24

Right Out: 177.173+/-0.053 χ^2/NDF: 6058337.5/20

Left In: 269.898+/-0.045 χ^2/NDF:602244.3/22

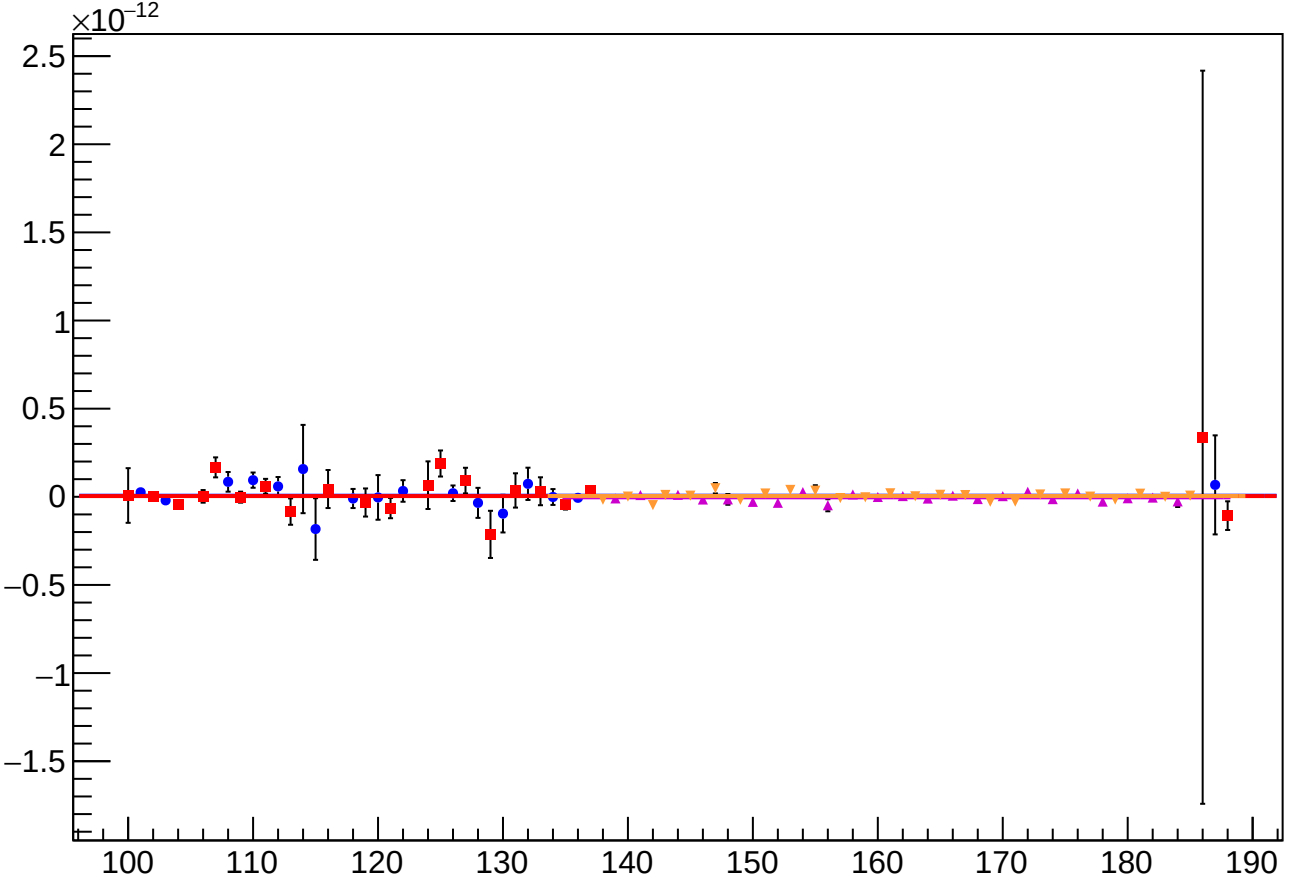
Left: 266.593+/-0.031 χ^2/NDF: 1392375.9/47

Right: 187.848+/-0.040 χ^2/NDF: 9970408.7/37

In: 246.300+/-0.036 χ^2/NDF:5202071.9/39

Out: 229.033+/-0.033 χ^2/NDF:8461191.7/45

All: 236.904+/-0.025 χ^2/NDF: 13786331.9/85



Right In: 0.000+/-0.000 χ^2/NDF: 13.8/16

Left Out: 0.000+/-0.000 χ^2/NDF:27.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 32.4/20

Left In: -0.000+/-0.000 χ^2/NDF:21.5/22

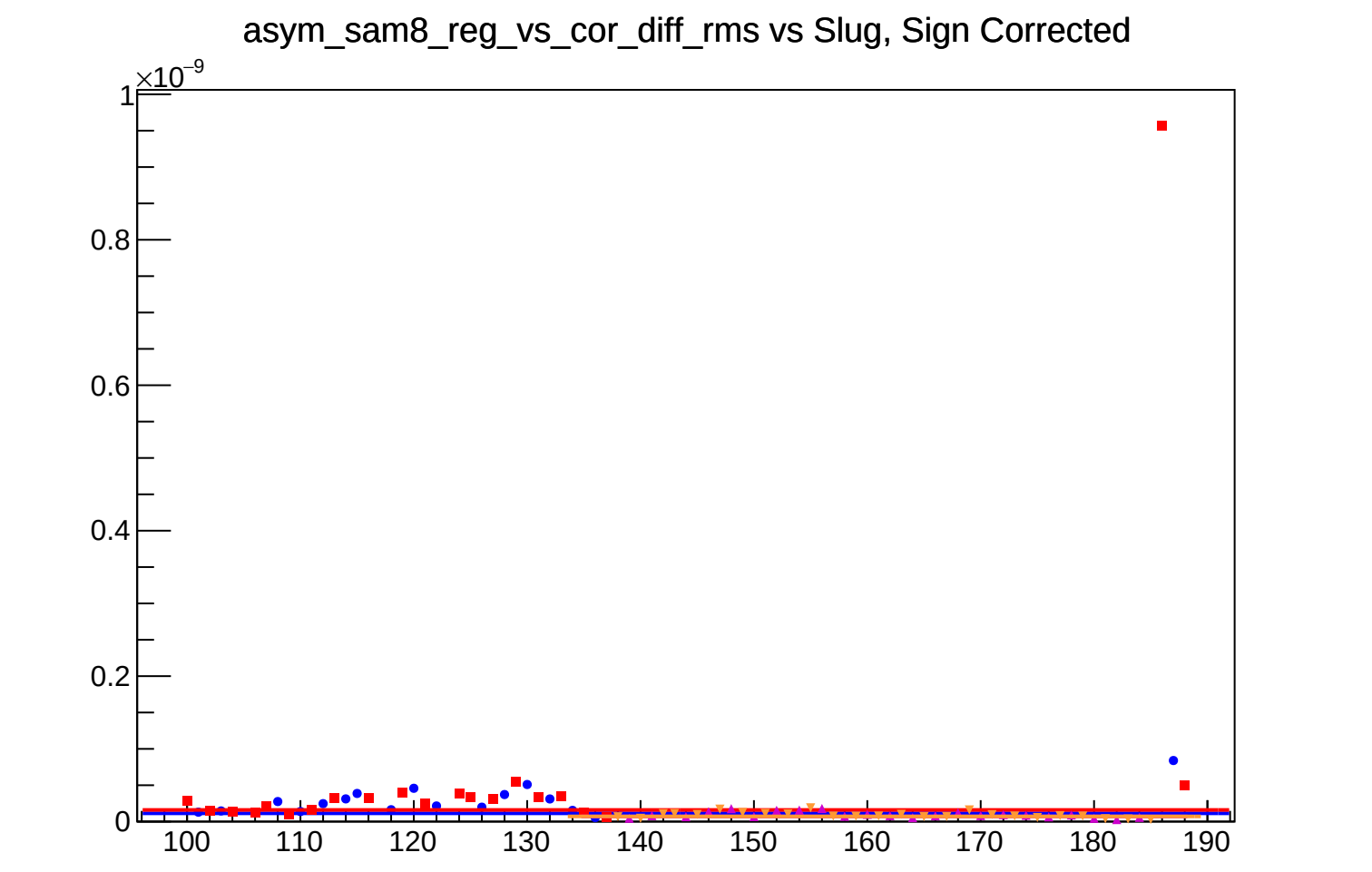
Left: 0.000+/-0.000 χ^2/NDF: 52.6/47

Right: 0.000+/-0.000 χ^2/NDF: 46.3/37

In: -0.000+/-0.000 χ^2/NDF:36.4/39

Out: 0.000+/-0.000 χ^2/NDF:60.3/45

All: 0.000+/-0.000 χ^2/NDF: 99.2/85



Right In: 0.000+/-0.000 χ^2/NDF: 1922440.1/16

Left Out: 0.000+/-0.000 χ^2/NDF:1952087.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2212465.8/20

Left In: 0.000+/-0.000 χ^2/NDF:2053049.9/22

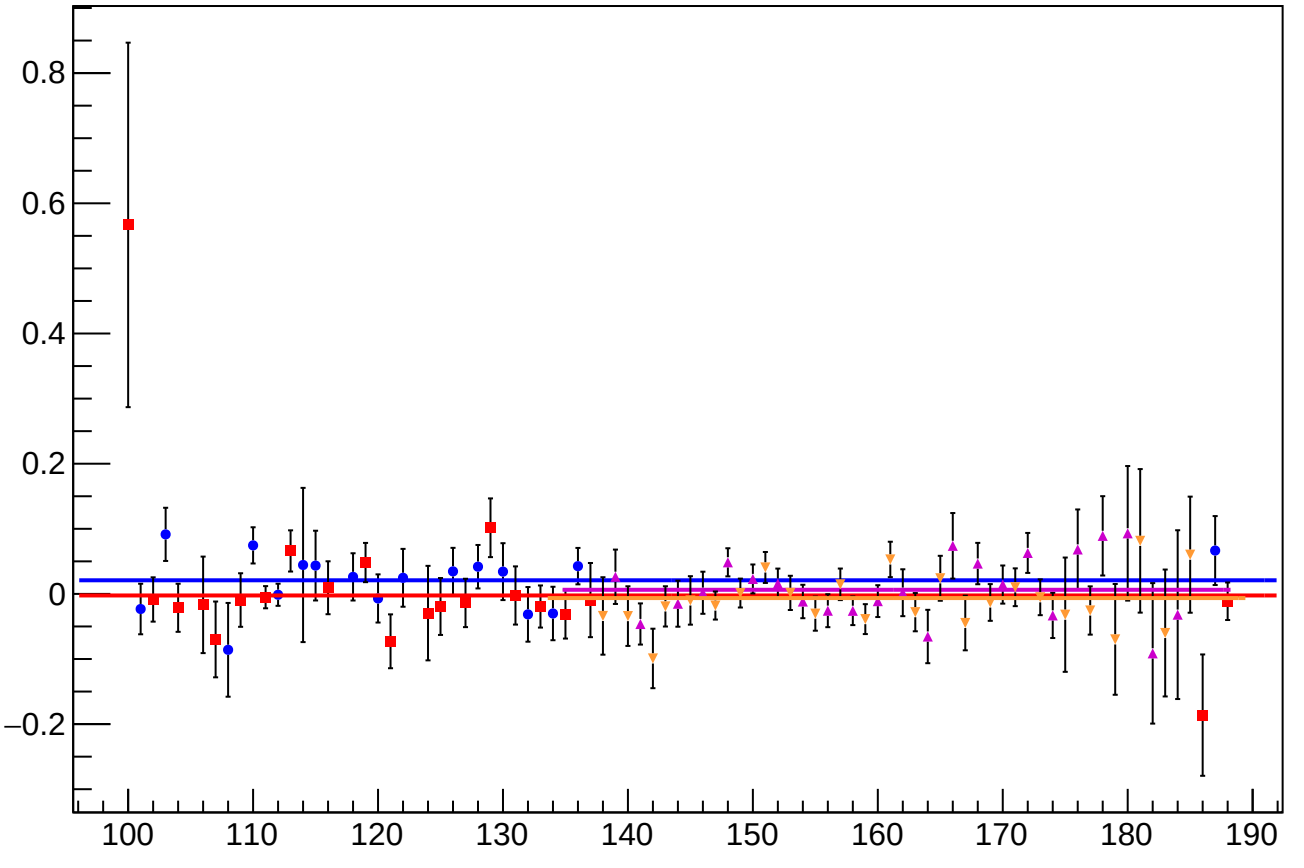
Left: 0.000+/-0.000 χ^2/NDF: 4005568.1/47

Right: 0.000+/-0.000 χ^2/NDF: 4389128.6/37

In: 0.000+/-0.000 χ^2/NDF:4446457.9/39

Out: 0.000+/-0.000 χ^2/NDF:5580238.6/45

All: 0.000+/-0.000 χ^2/NDF: 10033670.9/85



Right In: 0.021+/-0.009 χ^2/NDF: 17.8/16

Left Out: -0.006+/-0.006 χ^2/NDF:22.6/24

Right Out: -0.002+/-0.008 χ^2/NDF: 26.9/20

Left In: 0.006+/-0.007 χ^2/NDF:28.4/22

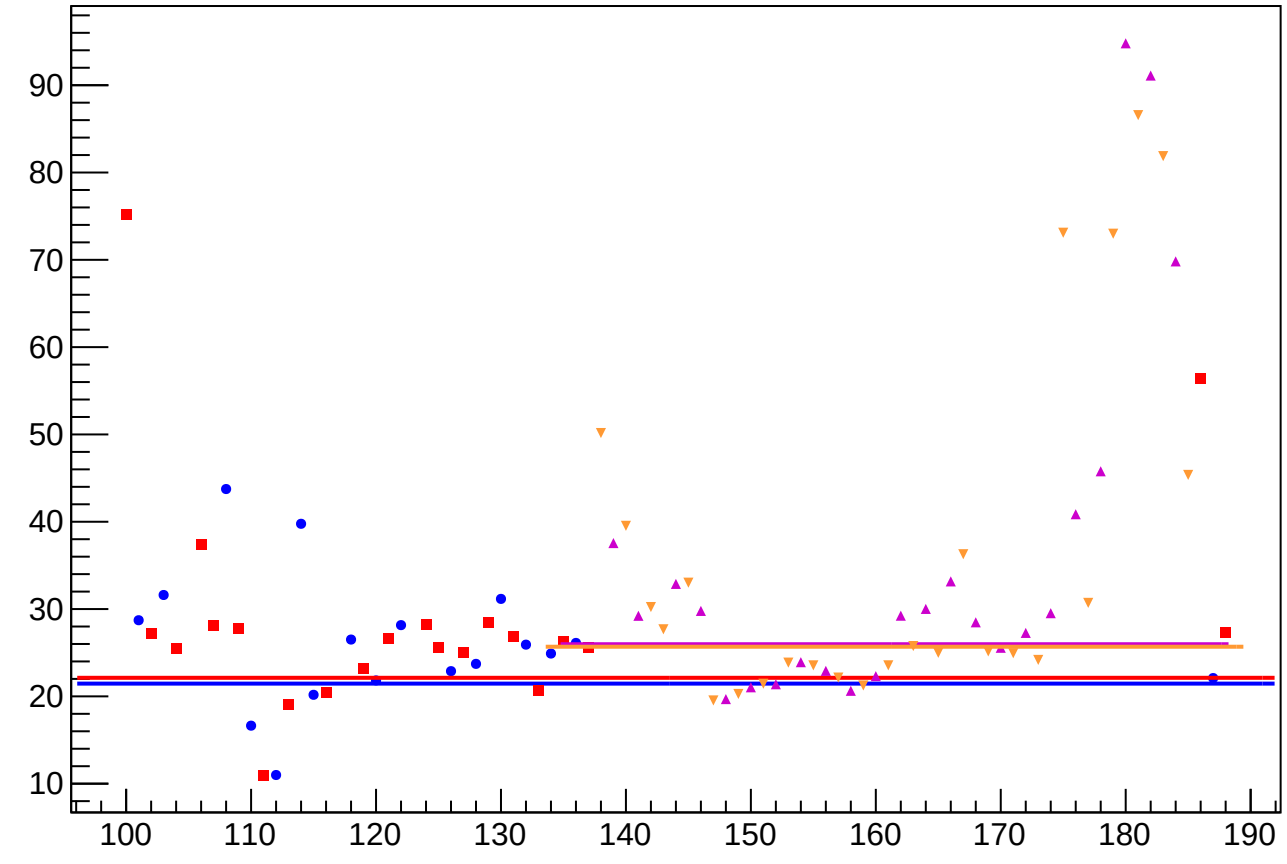
Left: -0.000+/-0.005 χ^2/NDF: 52.9/47

Right: 0.009+/-0.006 χ^2/NDF: 48.6/37

In: 0.012+/-0.005 χ^2/NDF:48.0/39

Out: -0.005+/-0.005 χ^2/NDF:49.6/45

All: 0.003+/-0.004 χ^2/NDF: 102.9/85



Right In: 21.461+/-0.006 χ^2/NDF: 1541009.1/16

Left Out: 25.685+/-0.005 χ^2/NDF:3871541.1/24

Right Out: 22.126+/-0.006 χ^2/NDF: 1661276.3/20

Left In: 25.972+/-0.005 χ^2/NDF:3118335.6/22

Left: 25.823+/-0.003 χ^2/NDF: 6991814.9/47

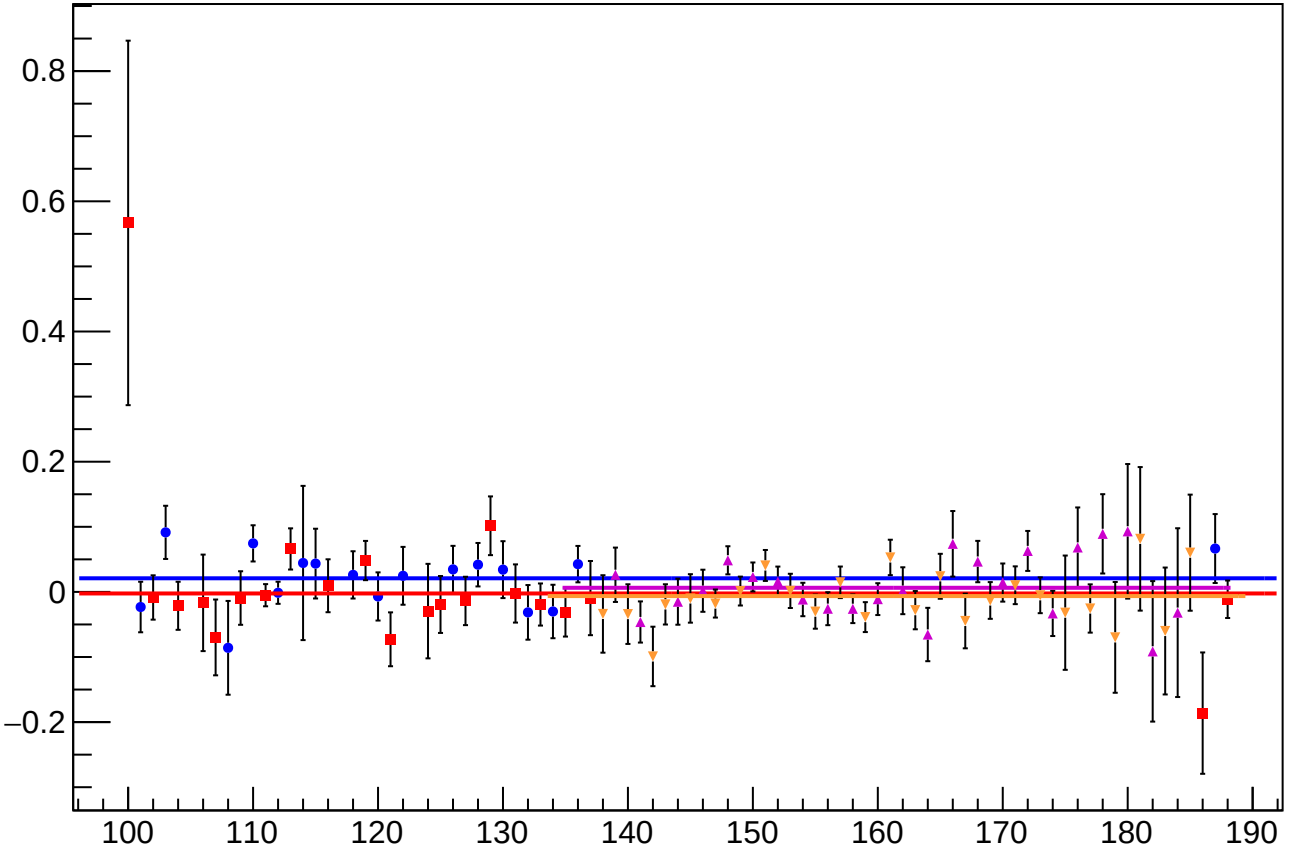
Right: 21.811+/-0.004 χ^2/NDF: 3208632.2/37

In: 24.284+/-0.004 χ^2/NDF:5006112.5/39

Out: 24.324+/-0.004 χ^2/NDF:5769699.5/45

All: 24.305+/-0.003 χ^2/NDF: 10775872.1/85

asym_sam8_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.021+/-0.009 χ^2/NDF: 17.8/16

Left Out: -0.006+/-0.006 χ^2/NDF:22.6/24

Right Out: -0.002+/-0.008 χ^2/NDF: 26.9/20

Left In: 0.006+/-0.007 χ^2/NDF:28.4/22

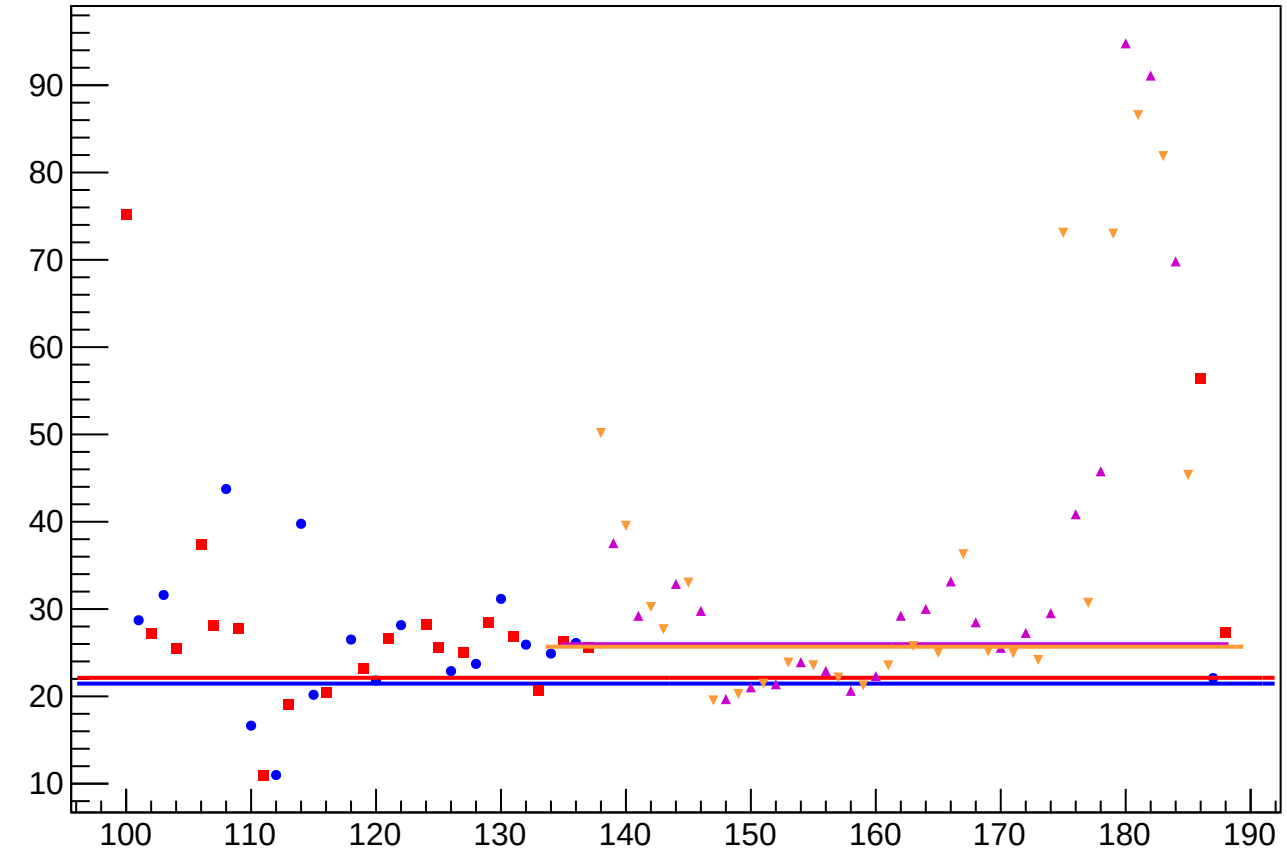
Left: -0.000+/-0.005 χ^2/NDF: 52.9/47

Right: 0.009+/-0.006 χ^2/NDF: 48.6/37

In: 0.012+/-0.005 χ^2/NDF:48.0/39

Out: -0.005+/-0.005 χ^2/NDF:49.6/45

All: 0.003+/-0.004 χ^2/NDF: 102.9/85



Right In: 21.461+/-0.006 χ^2/NDF: 1541009.1/16

Left Out: 25.685+/-0.005 χ^2/NDF:3871541.1/24

Right Out: 22.126+/-0.006 χ^2/NDF: 1661276.3/20

Left In: 25.972+/-0.005 χ^2/NDF:3118335.6/22

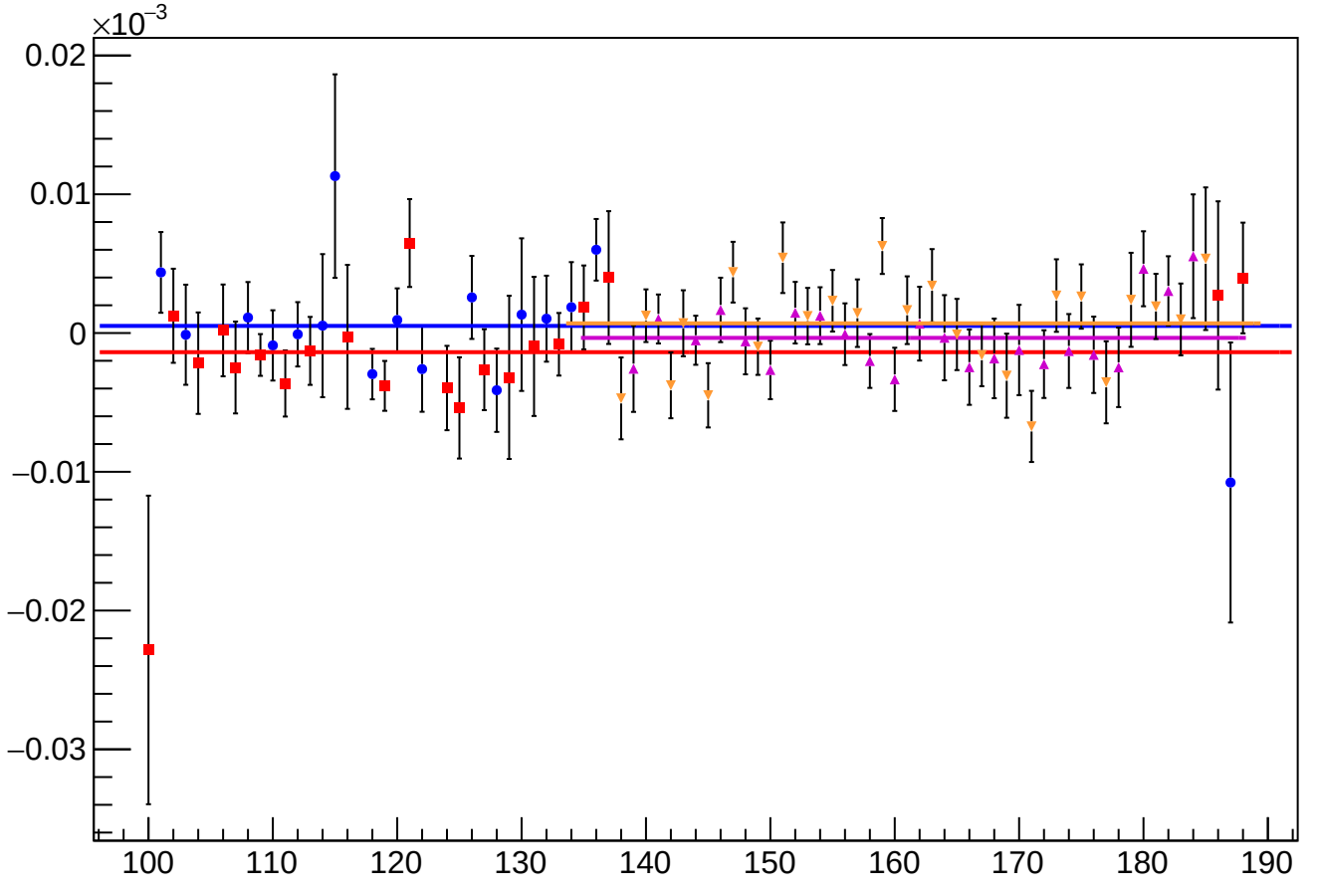
Left: 25.823+/-0.003 χ^2/NDF: 6991814.9/47

Right: 21.811+/-0.004 χ^2/NDF: 3208632.2/37

In: 24.284+/-0.004 χ^2/NDF:5006112.5/39

Out: 24.324+/-0.004 χ^2/NDF:5769699.5/45

All: 24.305+/-0.003 χ^2/NDF: 10775872.1/85



Right In: 0.000+/-0.000 χ^2/NDF: 19.5/16

Left Out: 0.000+/-0.000 χ^2/NDF:44.3/24

Right Out: -0.000+/-0.000 χ^2/NDF: 20.5/20

Left In: -0.000+/-0.000 χ^2/NDF:16.4/22

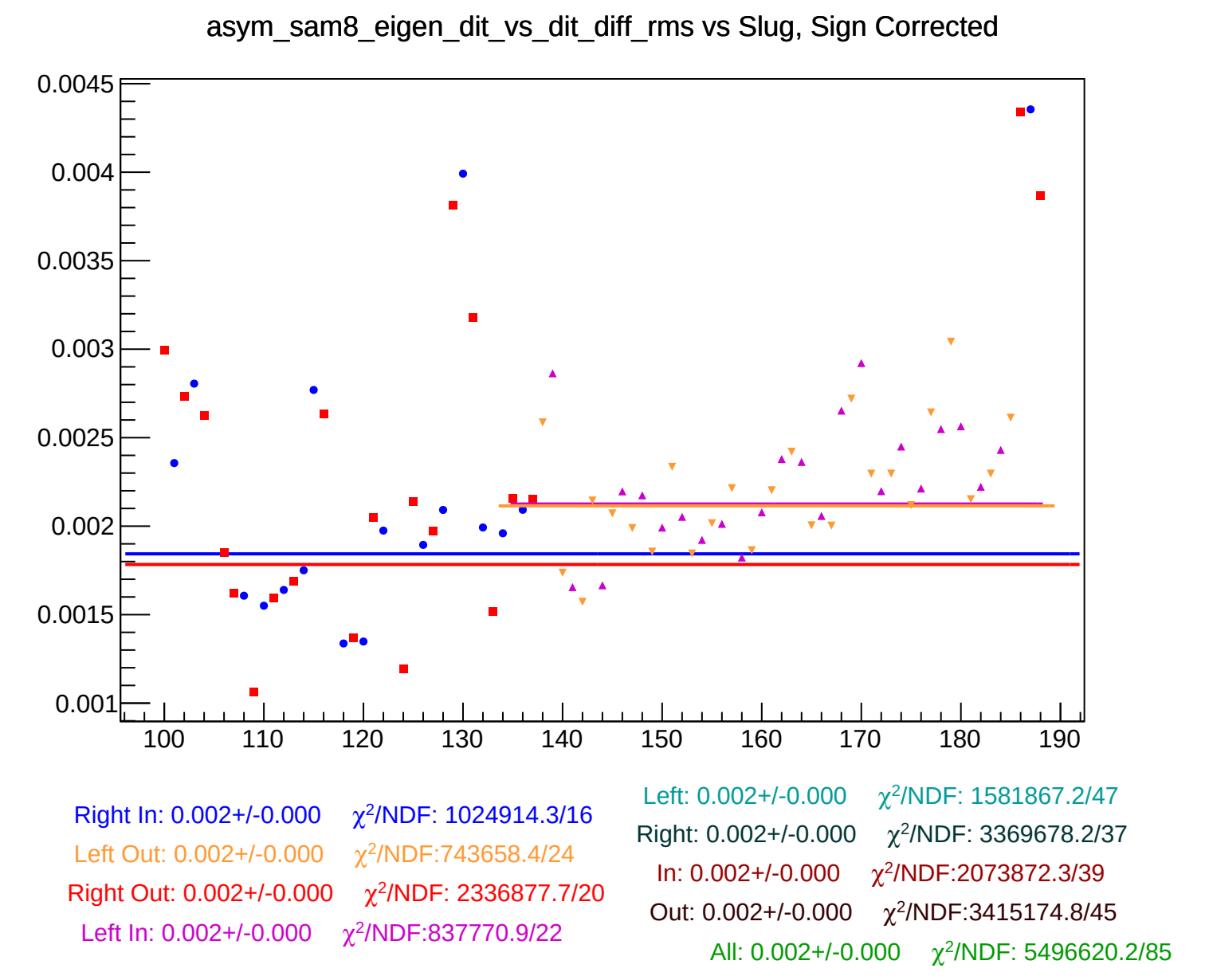
Left: 0.000+/-0.000 χ^2/NDF: 62.9/47

Right: -0.000+/-0.000 χ^2/NDF: 43.9/37

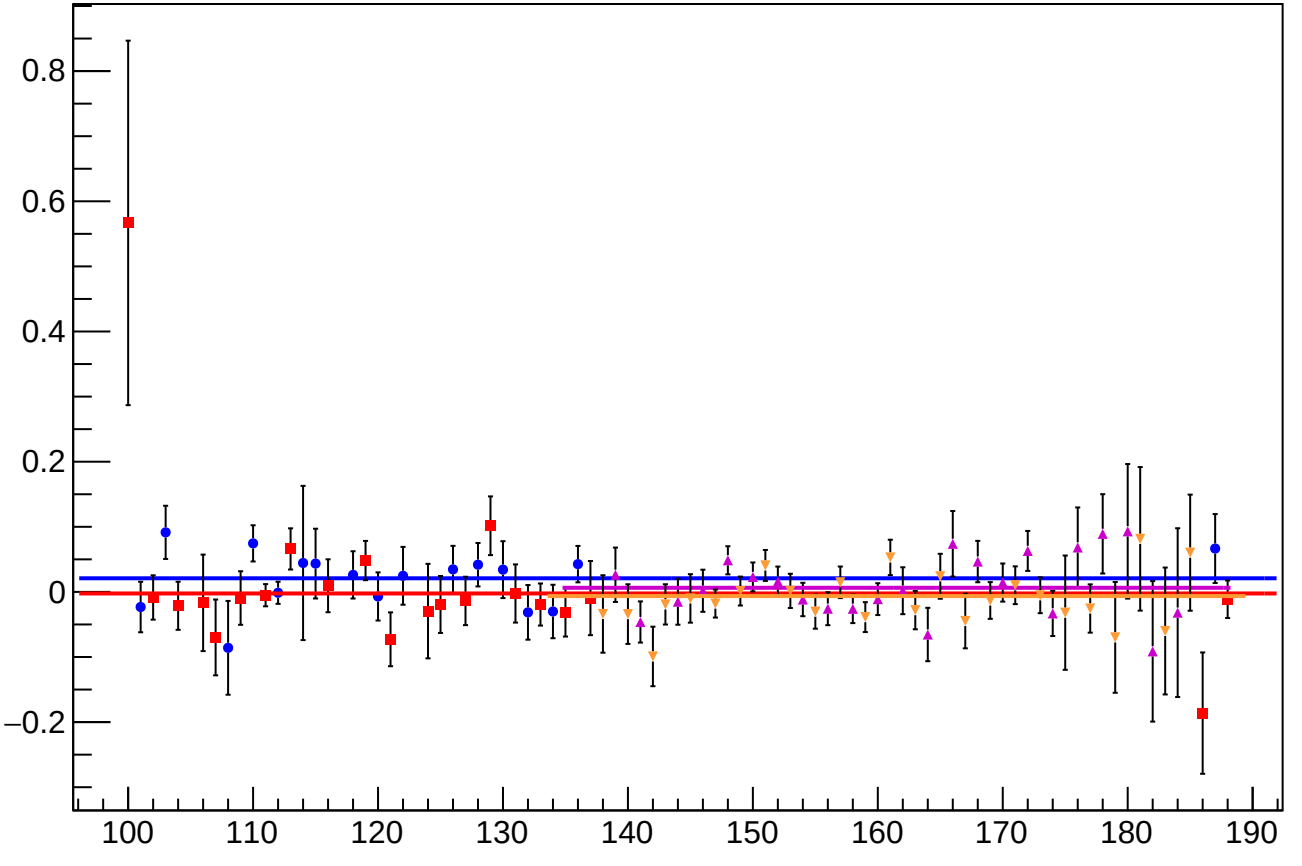
In: -0.000+/-0.000 χ^2/NDF:36.9/39

Out: -0.000+/-0.000 χ^2/NDF:71.4/45

All: -0.000+/-0.000 χ^2/NDF: 108.3/85


asym_sam8_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.0045
0.004
0.0035
0.003
0.0025
0.002
0.0015
0.001
100
110
120
130
140
150
160
170
180
190
Right In: 0.002+/-0.000 χ²/NDF: 1024914.3/16
Left Out: 0.002+/-0.000 χ²/NDF:743658.4/24
Right Out: 0.002+/-0.000 χ²/NDF: 2336877.7/20
Left In: 0.002+/-0.000 χ²/NDF:837770.9/22
Left: 0.002+/-0.000 χ²/NDF: 1581867.2/47
Right: 0.002+/-0.000 χ²/NDF: 3369678.2/37
In: 0.002+/-0.000 χ²/NDF:2073872.3/39
Out: 0.002+/-0.000 χ²/NDF:3415174.8/45
All: 0.002+/-0.000 χ²/NDF: 5496620.2/85

asym_sam8_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.021+/-0.009 χ^2/NDF: 17.8/16

Left Out: -0.006+/-0.006 χ^2/NDF:22.6/24

Right Out: -0.002+/-0.008 χ^2/NDF: 26.9/20

Left In: 0.006+/-0.007 χ^2/NDF:28.4/22

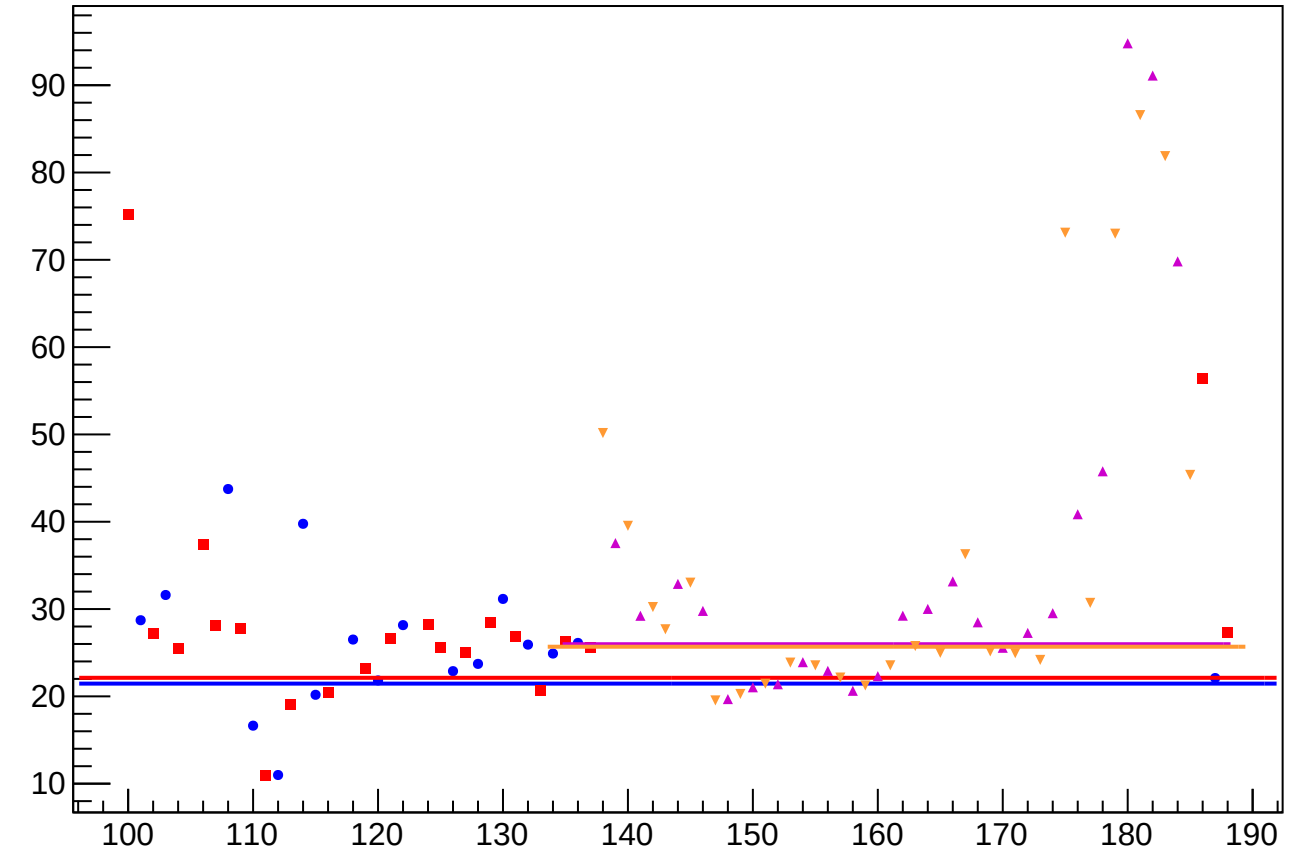
Left: -0.000+/-0.005 χ^2/NDF: 52.9/47

Right: 0.009+/-0.006 χ^2/NDF: 48.6/37

In: 0.012+/-0.005 χ^2/NDF:48.0/39

Out: -0.005+/-0.005 χ^2/NDF:49.6/45

All: 0.003+/-0.004 χ^2/NDF: 102.9/85



Right In: 21.460+/-0.006 χ^2/NDF: 1541157.7/16

Left Out: 25.685+/-0.005 χ^2/NDF:3871544.4/24

Right Out: 22.125+/-0.006 χ^2/NDF: 1661412.8/20

Left In: 25.972+/-0.005 χ^2/NDF:3118315.0/22

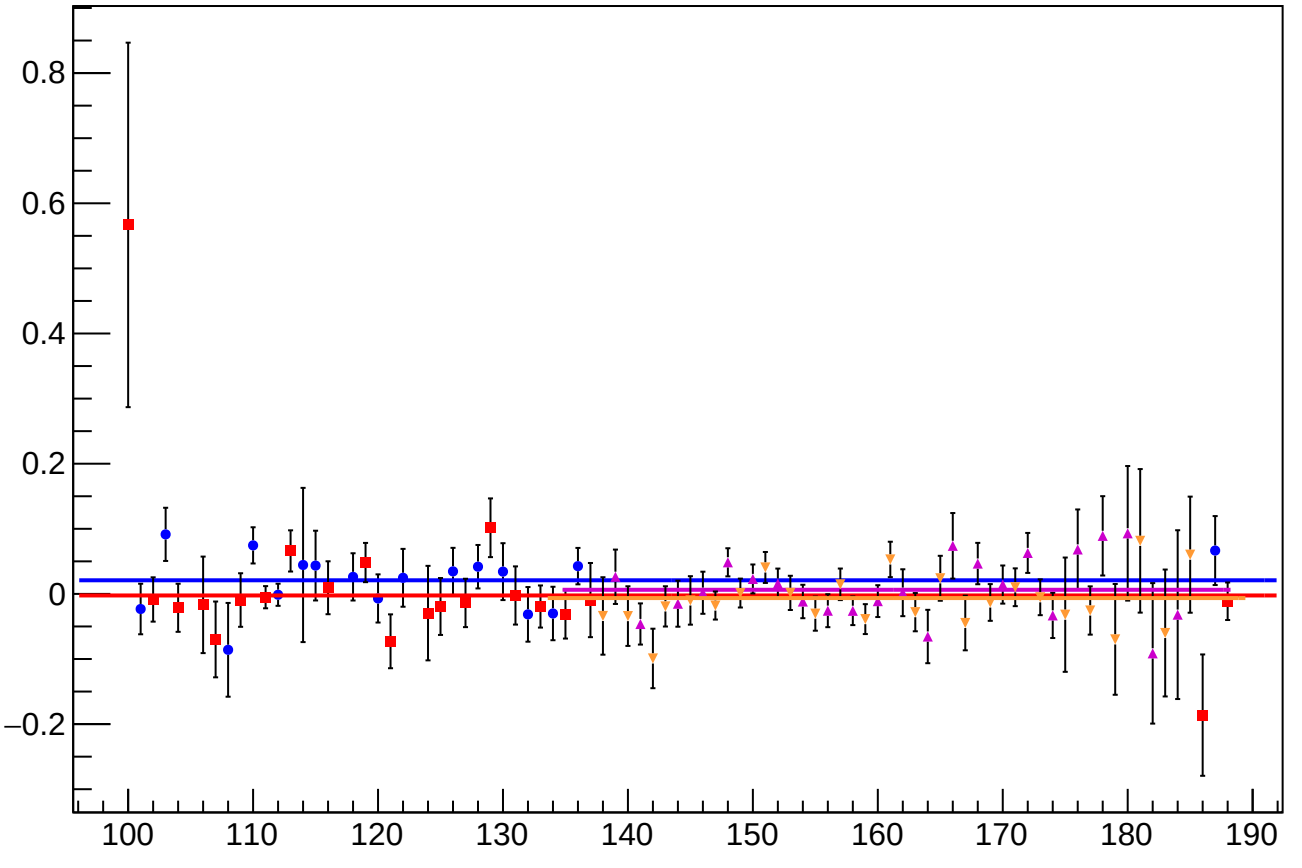
Left: 25.823+/-0.003 χ^2/NDF: 6991798.2/47

Right: 21.810+/-0.004 χ^2/NDF: 3208916.5/37

In: 24.284+/-0.004 χ^2/NDF:5006362.5/39

Out: 24.324+/-0.004 χ^2/NDF:5769947.7/45

All: 24.305+/-0.003 χ^2/NDF: 10776370.1/85



Right In: 0.021+/-0.009 χ^2/NDF: 17.8/16

Left Out: -0.006+/-0.006 χ^2/NDF:22.6/24

Right Out: -0.002+/-0.008 χ^2/NDF: 26.9/20

Left In: 0.006+/-0.007 χ^2/NDF:28.4/22

Left: -0.000+/-0.005 χ^2/NDF: 52.9/47

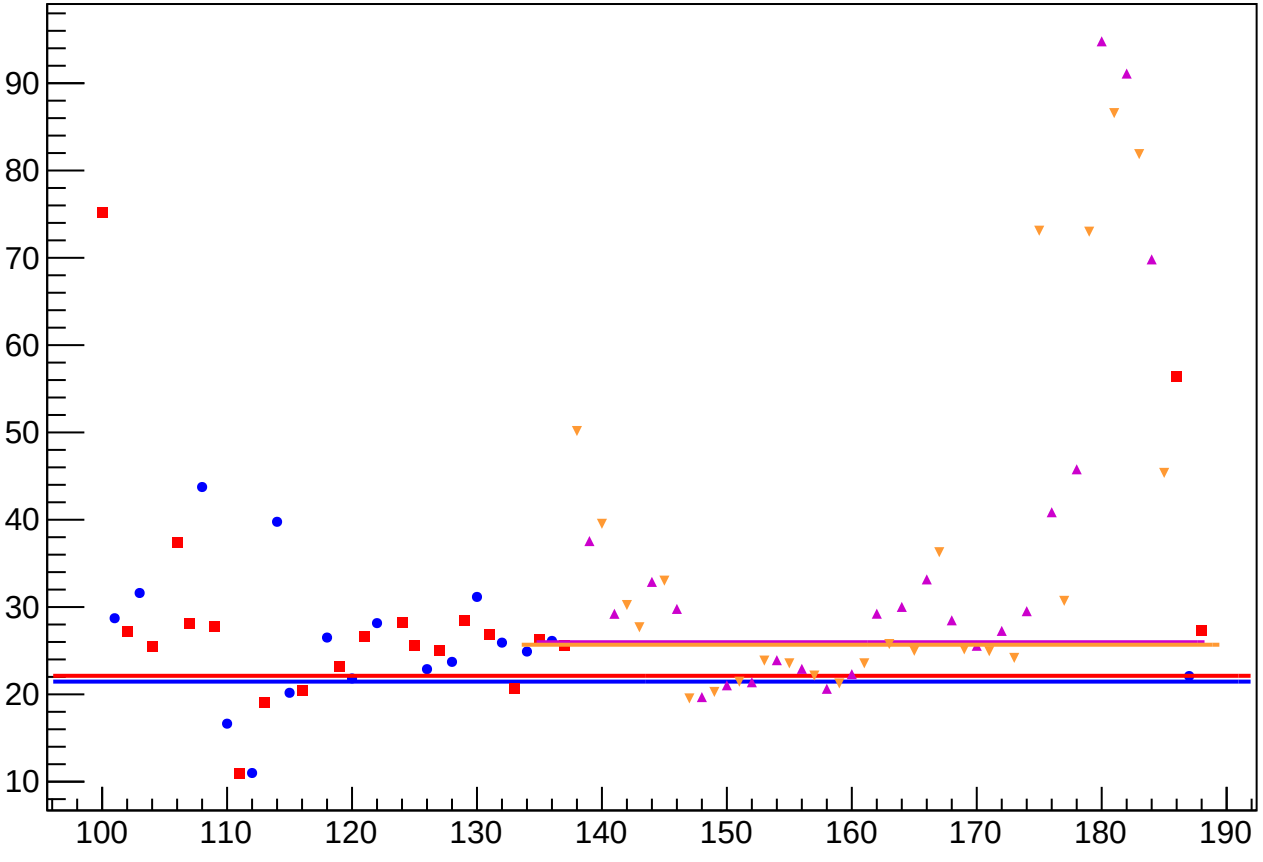
Right: 0.009+/-0.006 χ^2/NDF: 48.6/37

In: 0.012+/-0.005 χ^2/NDF:48.0/39

Out: -0.005+/-0.005 χ^2/NDF:49.6/45

All: 0.003+/-0.004 χ^2/NDF: 102.9/85

asym_sam8_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 21.460+/-0.006 χ^2/NDF: 1541157.7/16

Left Out: 25.685+/-0.005 χ^2/NDF:3871544.4/24

Right Out: 22.125+/-0.006 χ^2/NDF: 1661412.8/20

Left In: 25.972+/-0.005 χ^2/NDF:3118315.0/22

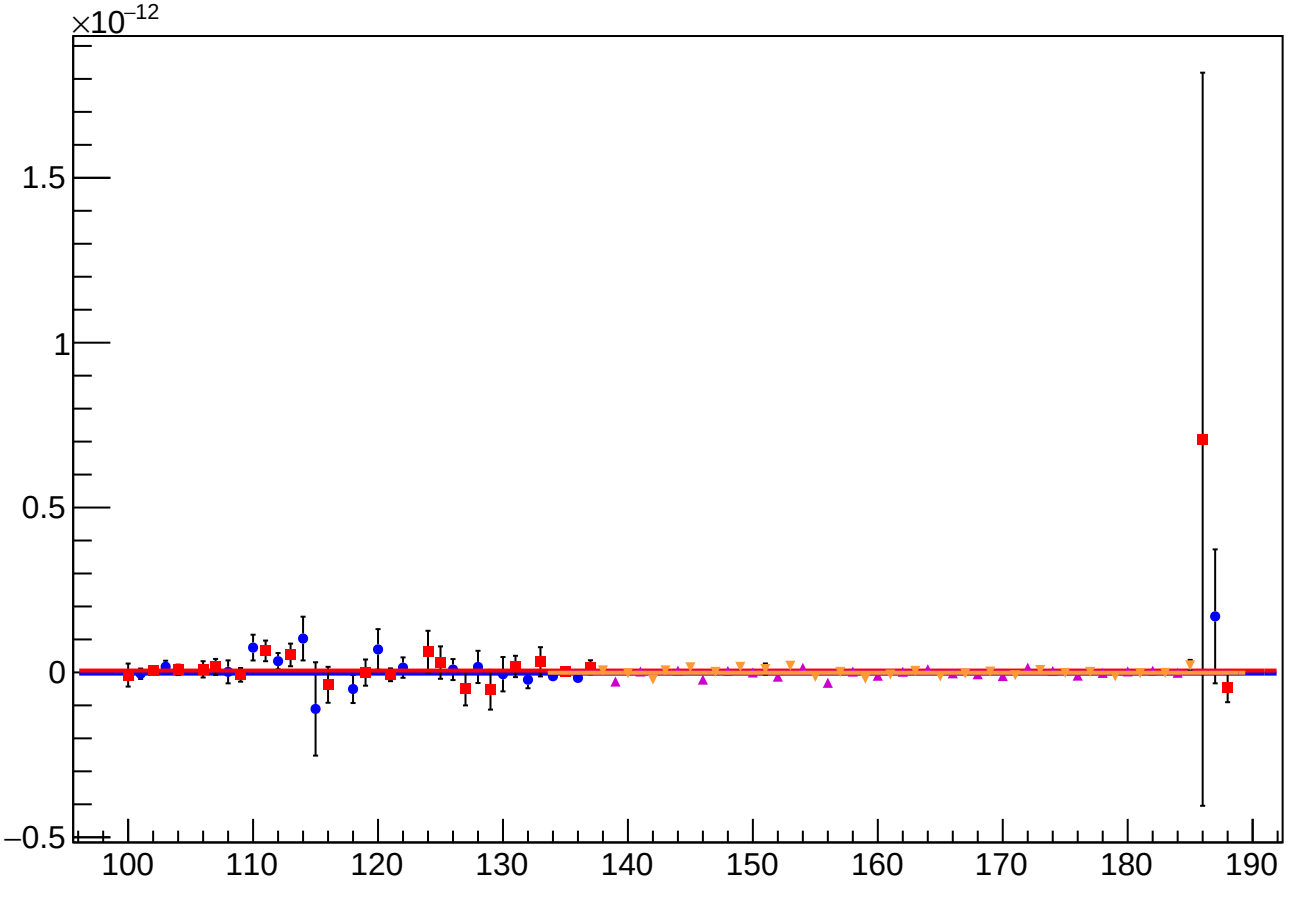
Left: 25.823+/-0.003 χ^2/NDF: 6991798.2/47

Right: 21.810+/-0.004 χ^2/NDF: 3208916.5/37

In: 24.284+/-0.004 χ^2/NDF:5006362.5/39

Out: 24.324+/-0.004 χ^2/NDF:5769947.7/45

All: 24.305+/-0.003 χ^2/NDF: 10776370.1/85



Right In: -0.000+/-0.000 χ^2/NDF: 17.9/16

Left Out: -0.000+/-0.000 χ^2/NDF:28.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 13.0/20

Left In: -0.000+/-0.000 χ^2/NDF:29.7/22

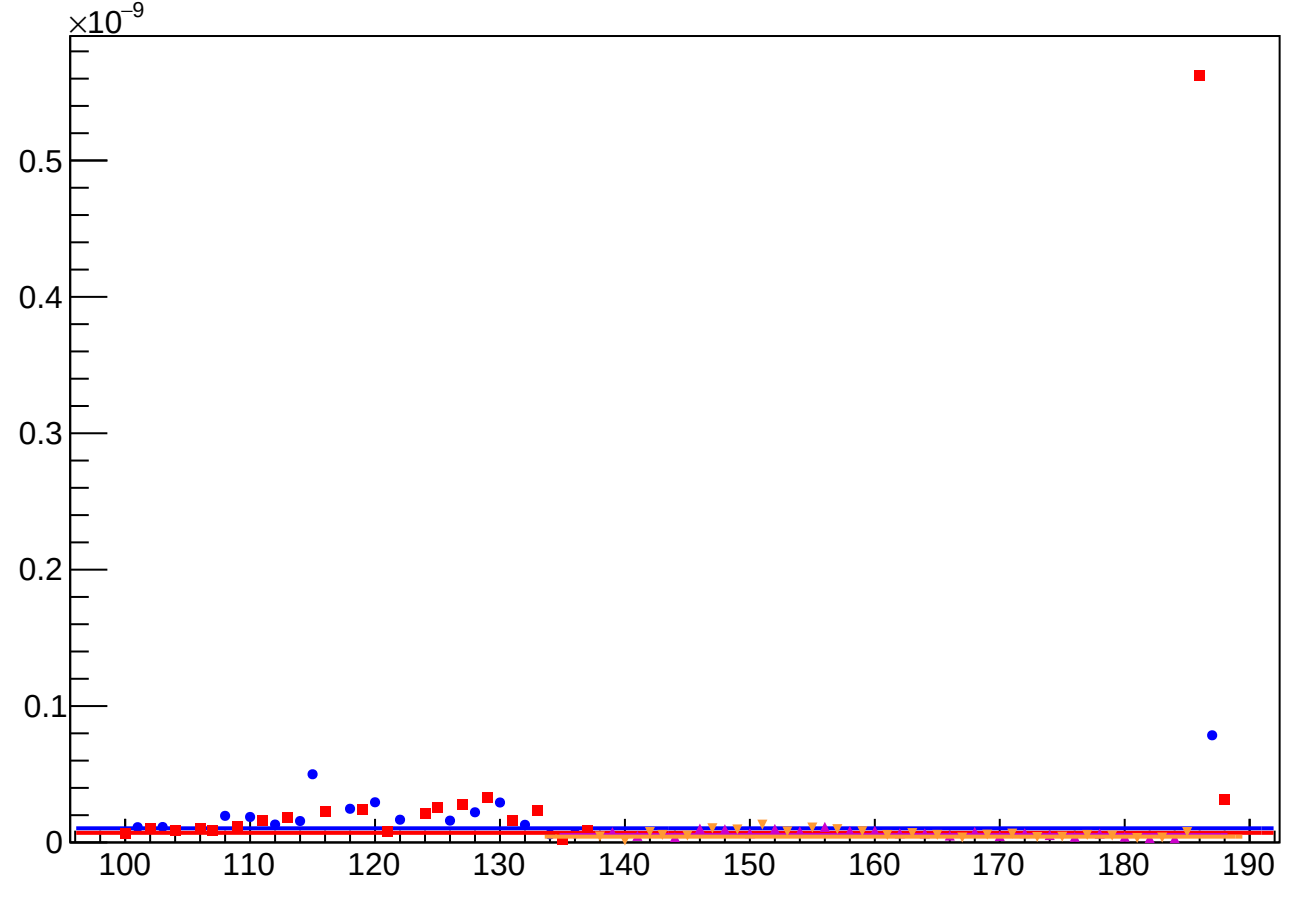
Left: -0.000+/-0.000 χ^2/NDF: 58.5/47

Right: 0.000+/-0.000 χ^2/NDF: 32.7/37

In: -0.000+/-0.000 χ^2/NDF:47.9/39

Out: -0.000+/-0.000 χ^2/NDF:43.9/45

All: -0.000+/-0.000 χ^2/NDF: 91.9/85



Right In: 0.000+/-0.000 χ^2/NDF: 2176940.0/16

Left Out: 0.000+/-0.000 χ^2/NDF:5399109.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5120023.5/20

Left In: 0.000+/-0.000 χ^2/NDF:2811616.7/22

Left: 0.000+/-0.000 χ^2/NDF: 8813295.5/47

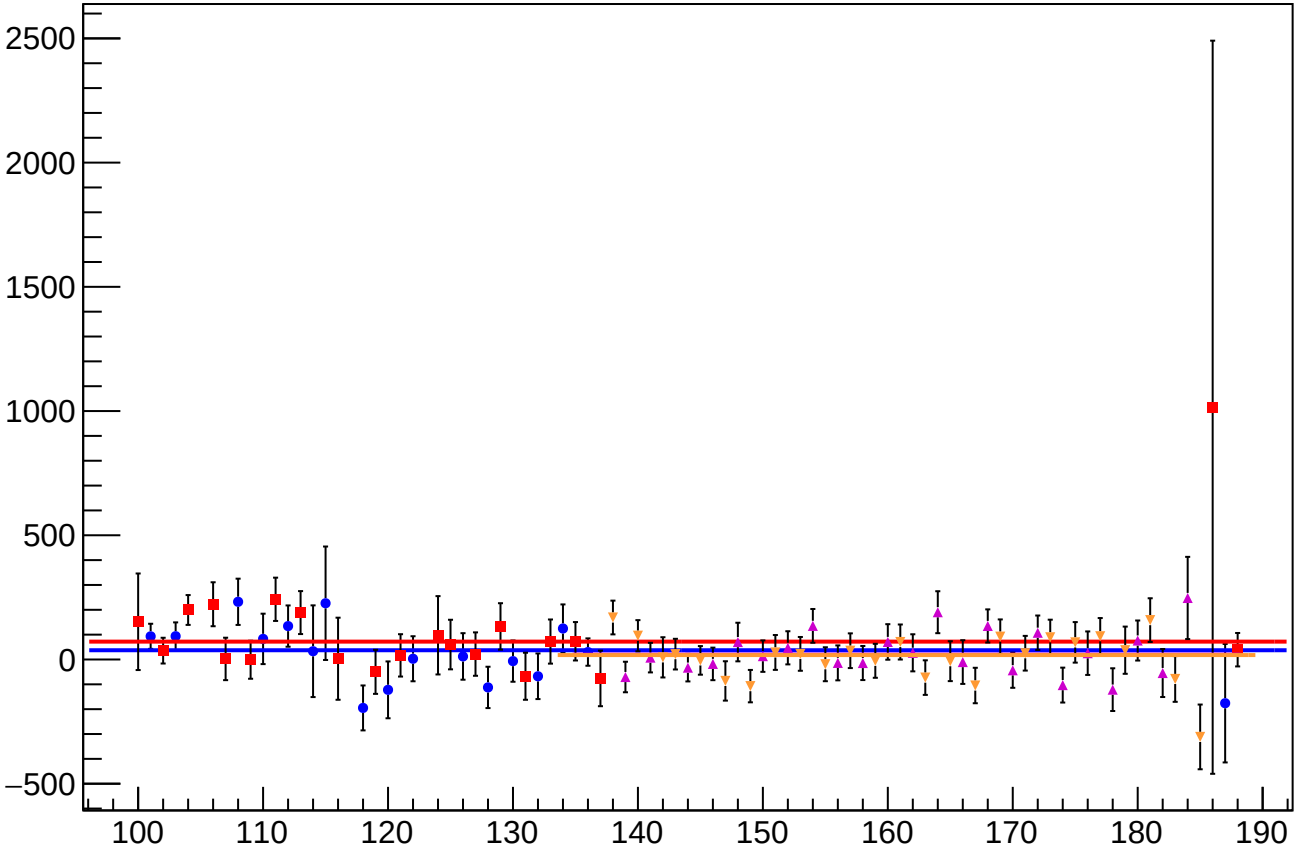
Right: 0.000+/-0.000 χ^2/NDF: 7746918.1/37

In: 0.000+/-0.000 χ^2/NDF:6451512.9/39

Out: 0.000+/-0.000 χ^2/NDF:11281786.0/45

All: 0.000+/-0.000 χ^2/NDF: 18577815.0/85

reg_asym_sam_15_avg_mean vs Slug, Sign Corrected



Right In: 37.220+/-20.339 χ^2/NDF: 24.1/16

Left Out: 17.800+/-14.495 χ^2/NDF:31.6/24

Right Out: 71.932+/-18.995 χ^2/NDF: 23.1/20

Left In: 19.642+/-15.040 χ^2/NDF:26.2/22

Left: 18.687+/-10.437 χ^2/NDF: 57.8/47

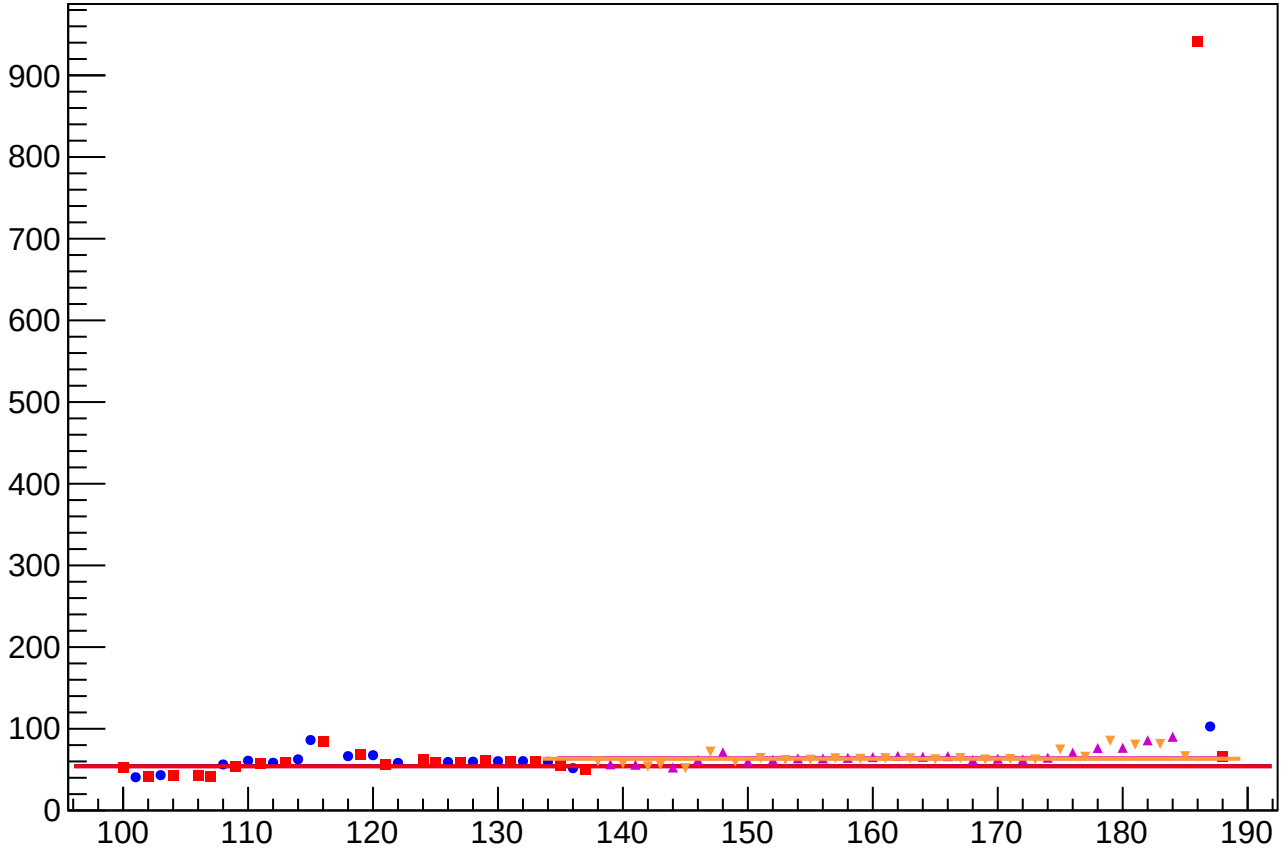
Right: 55.760+/-13.882 χ^2/NDF: 48.8/37

In: 25.856+/-12.093 χ^2/NDF:50.8/39

Out: 37.721+/-11.523 χ^2/NDF:59.8/45

All: 32.075+/-8.342 χ^2/NDF: 111.1/85

reg_asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 54.268+/-0.014 χ^2/NDF: 476582.0/16

Left Out: 63.312+/-0.010 χ^2/NDF:497429.6/24

Right Out: 54.047+/-0.013 χ^2/NDF: 1213869.3/20

Left In: 63.918+/-0.011 χ^2/NDF:445309.5/22

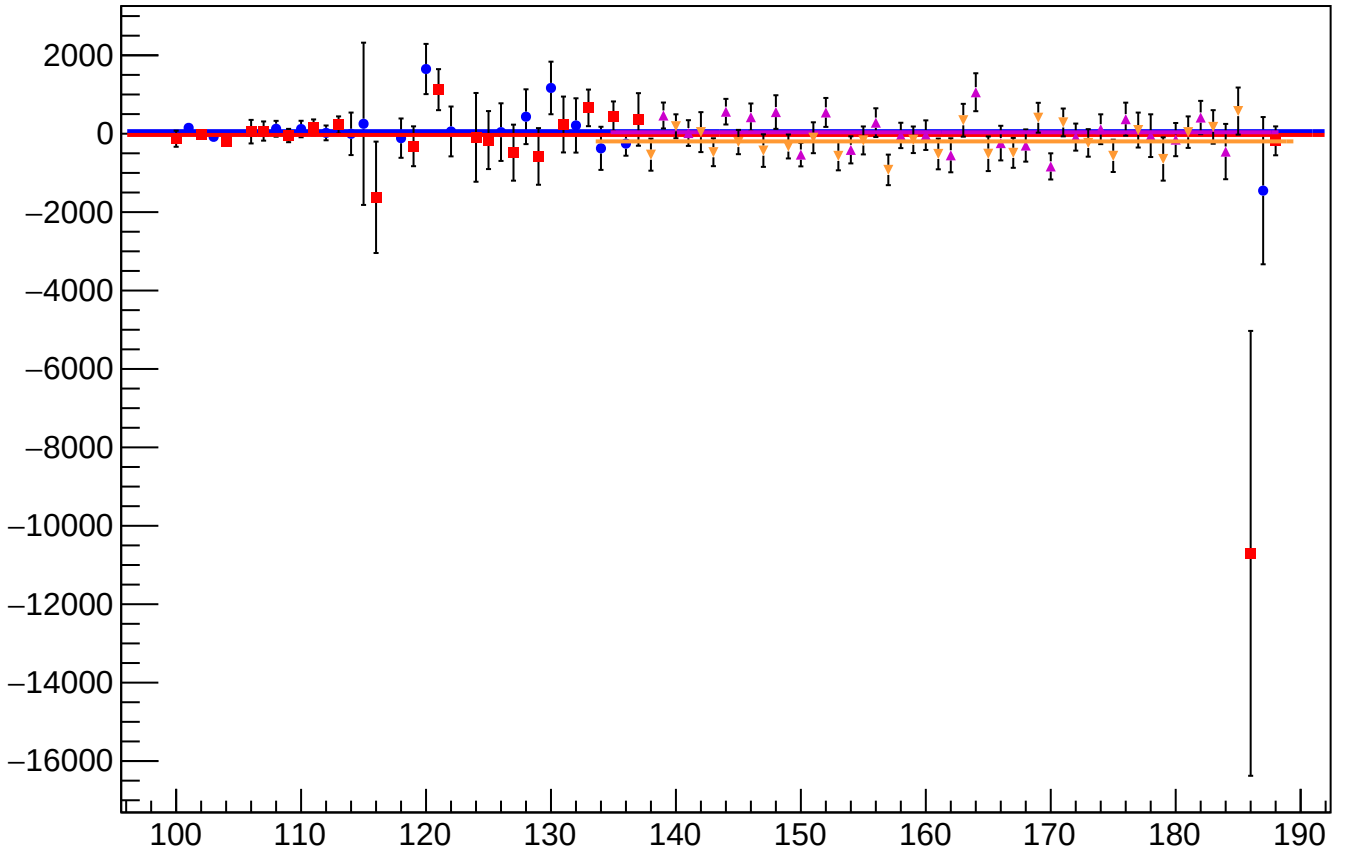
Left: 63.604+/-0.007 χ^2/NDF: 944421.1/47

Right: 54.150+/-0.010 χ^2/NDF: 1690576.8/37

In: 60.506+/-0.009 χ^2/NDF:1212996.3/39

Out: 59.903+/-0.008 χ^2/NDF:2012014.9/45

All: 60.190+/-0.006 χ^2/NDF: 3227624.4/85



Right In: 64.923+/-46.464 χ^2/NDF: 16.4/16

Left Out: -195.947+/-77.088 χ^2/NDF:20.6/24

Right Out: -31.489+/-49.828 χ^2/NDF: 21.7/20

Left In: 36.417+/-79.210 χ^2/NDF:31.1/22

Left: -82.919+/-55.244 χ^2/NDF: 56.1/47

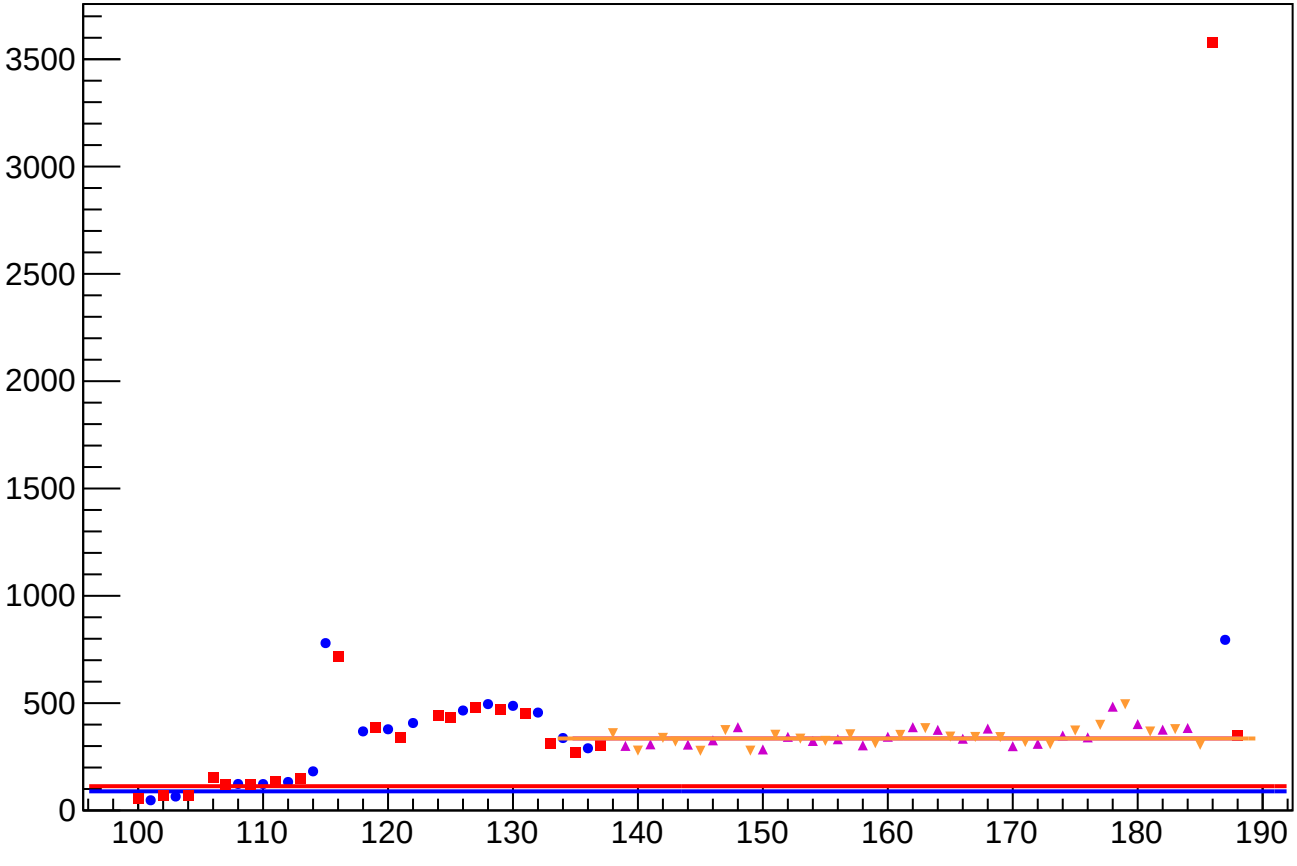
Right: 20.081+/-33.982 χ^2/NDF: 40.1/37

In: 57.625+/-40.078 χ^2/NDF:47.5/39

Out: -79.952+/-41.847 χ^2/NDF:45.5/45

All: -8.194+/-28.945 χ^2/NDF: 98.7/85

asym_sam_15_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 89.090+/-0.033 χ^2/NDF: 6930792.0/16

Left Out: 335.271+/-0.055 χ^2/NDF:563801.0/24

Right Out: 113.026+/-0.035 χ^2/NDF: 6936101.2/20

Left In: 335.526+/-0.056 χ^2/NDF:495163.6/22

Left: 335.395+/-0.039 χ^2/NDF: 1058975.3/47

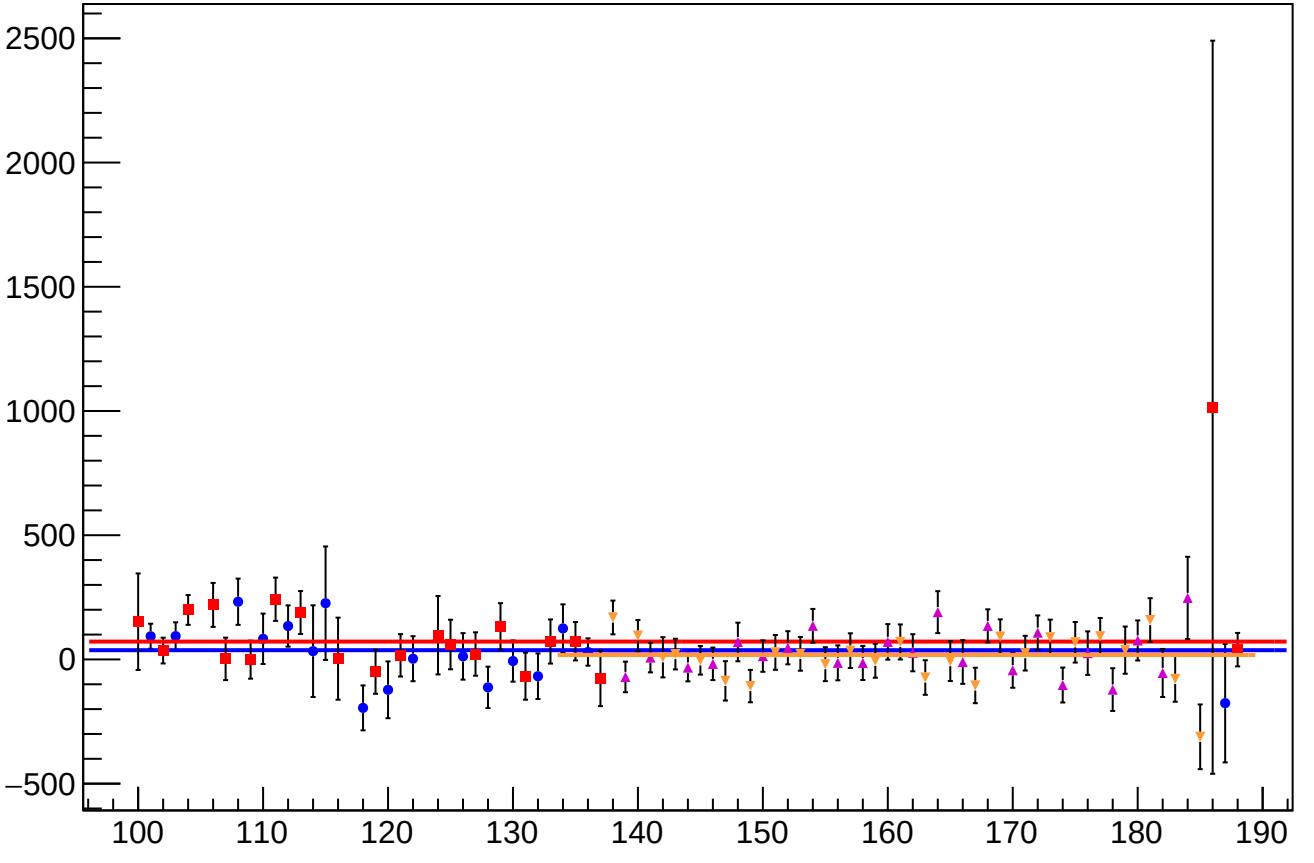
Right: 100.223+/-0.024 χ^2/NDF: 14113757.4/37

In: 152.179+/-0.028 χ^2/NDF:21828825.4/39

Out: 178.518+/-0.030 χ^2/NDF:19224638.0/45

All: 164.780+/-0.020 χ^2/NDF: 41466713.4/85

cor_asym_sam_15_avg_mean vs Slug, Sign Corrected



Right In: 37.232+/-20.339 χ^2/NDF: 24.1/16

Left Out: 17.804+/-14.495 χ^2/NDF:31.6/24

Right Out: 71.806+/-18.997 χ^2/NDF: 23.0/20

Left In: 19.642+/-15.040 χ^2/NDF:26.2/22

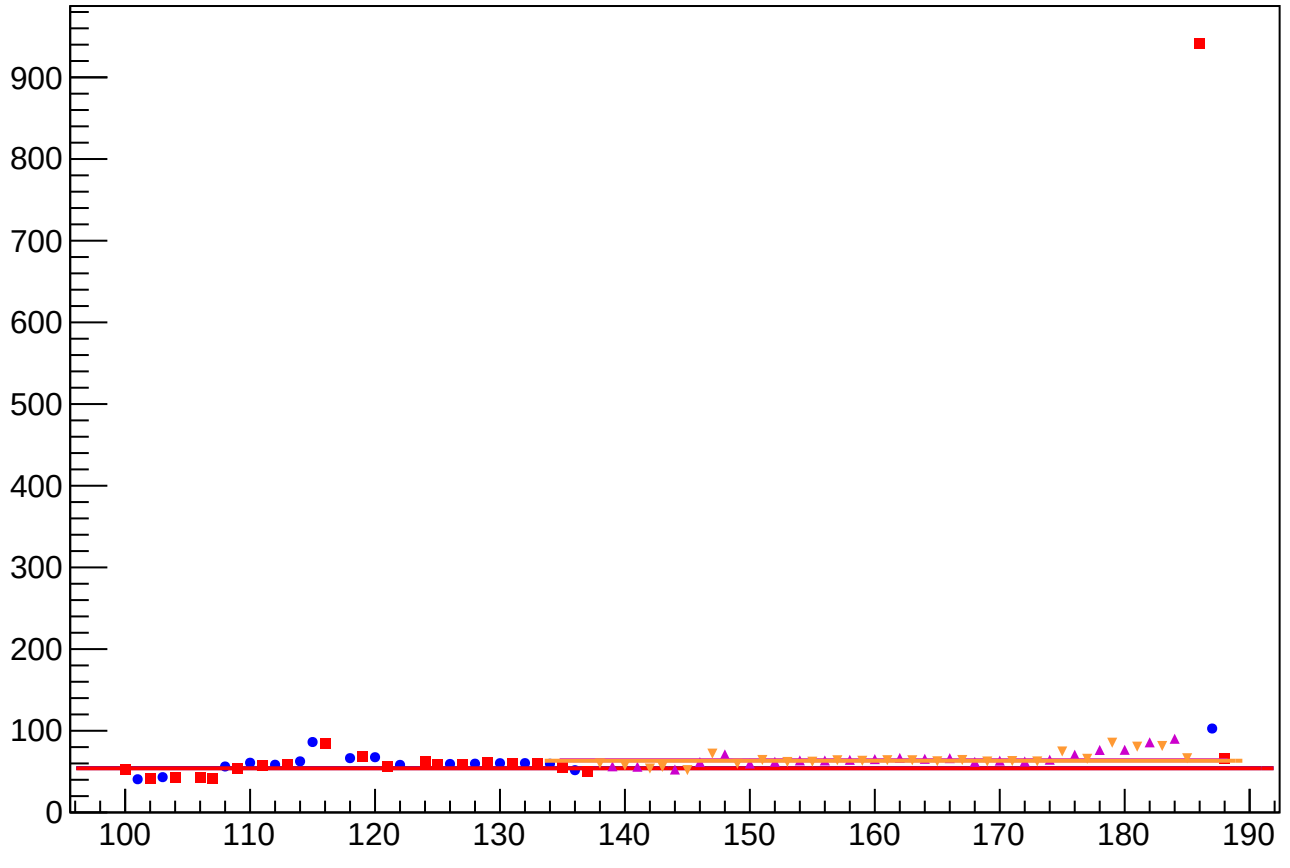
Left: 18.689+/-10.437 χ^2/NDF: 57.8/47

Right: 55.697+/-13.883 χ^2/NDF: 48.7/37

In: 25.860+/-12.093 χ^2/NDF:50.8/39

Out: 37.676+/-11.524 χ^2/NDF:59.7/45

All: 32.052+/-8.342 χ^2/NDF: 111.0/85



Right In: 54.268+/-0.014 χ^2/NDF: 476581.4/16

Left Out: 63.312+/-0.010 χ^2/NDF:497429.6/24

Right Out: 54.045+/-0.013 χ^2/NDF: 1214202.4/20

Left In: 63.918+/-0.011 χ^2/NDF:445309.5/22

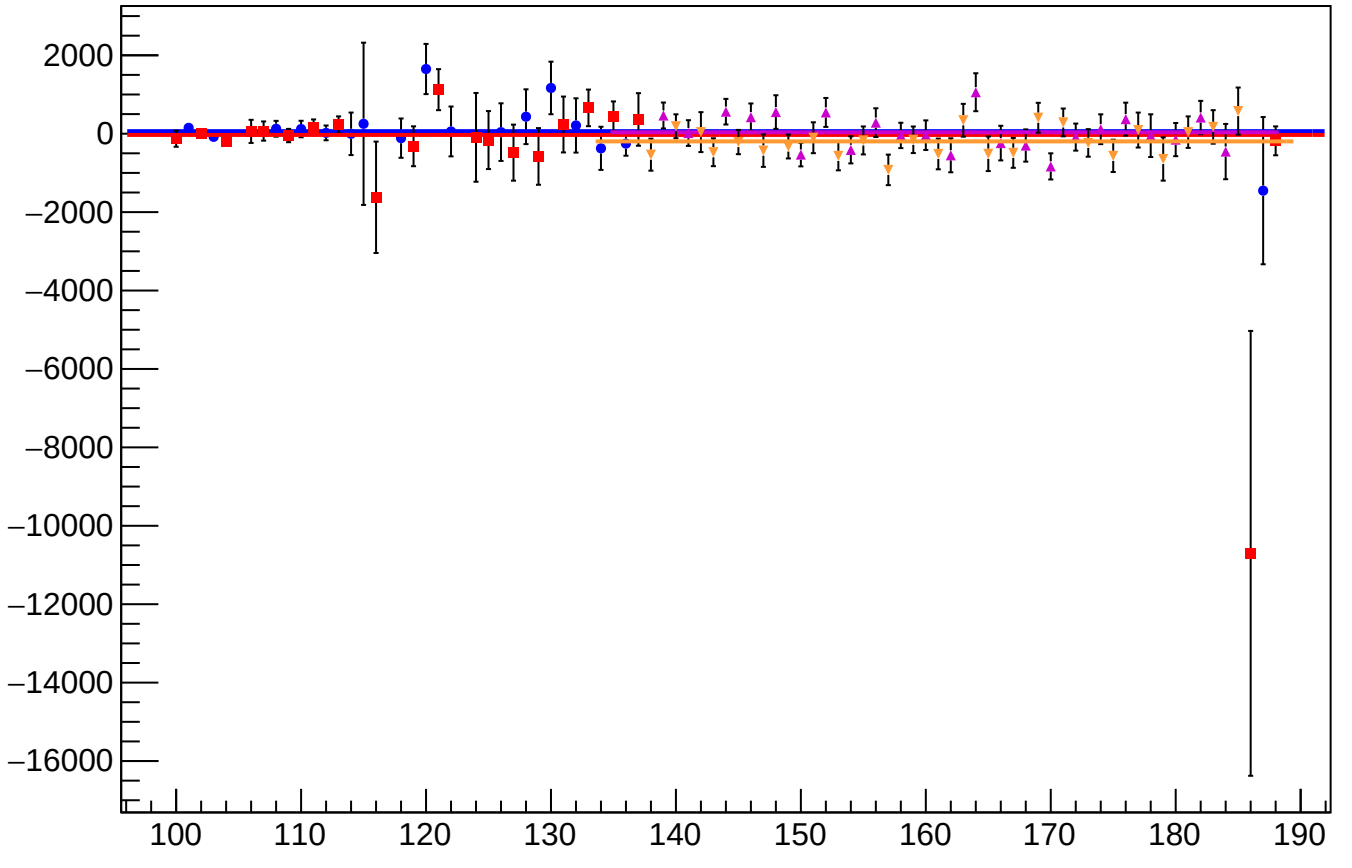
Left: 63.604+/-0.007 χ^2/NDF: 944421.2/47

Right: 54.149+/-0.010 χ^2/NDF: 1690911.4/37

In: 60.506+/-0.009 χ^2/NDF:1212995.3/39

Out: 59.902+/-0.008 χ^2/NDF:2012447.7/45

All: 60.190+/-0.006 χ^2/NDF: 3228059.8/85



Right In: 64.927+/-46.463 χ^2/NDF: 16.4/16

Left Out: -195.942+/-77.088 χ^2/NDF:20.6/24

Right Out: -31.047+/-49.786 χ^2/NDF: 21.7/20

Left In: 36.414+/-79.210 χ^2/NDF:31.1/22

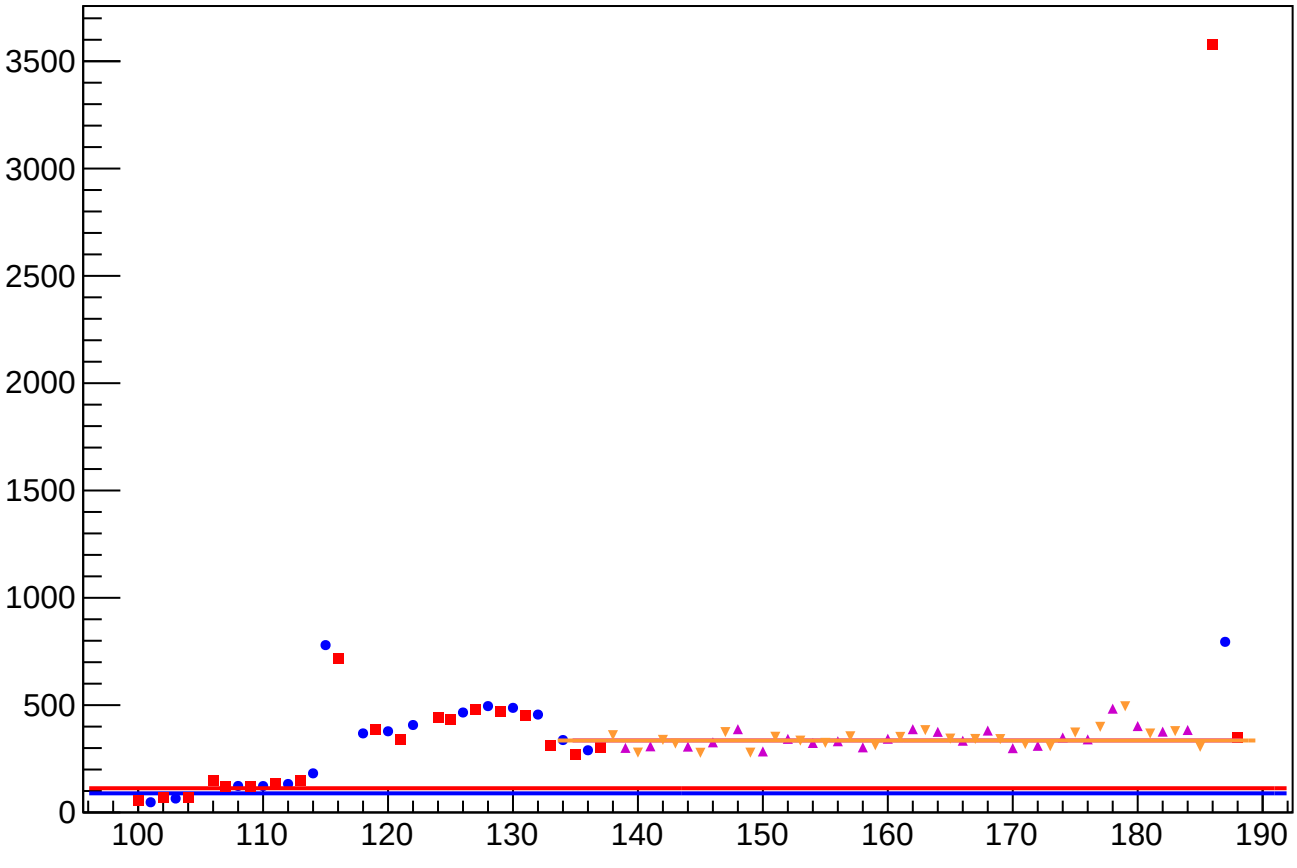
Left: -82.918+/-55.244 χ^2/NDF: 56.1/47

Right: 20.250+/-33.968 χ^2/NDF: 40.1/37

In: 57.628+/-40.077 χ^2/NDF:47.5/39

Out: -79.581+/-41.822 χ^2/NDF:45.6/45

All: -8.054+/-28.936 χ^2/NDF: 98.7/85



Right In: 89.088+/-0.033 χ^2/NDF: 6930873.8/16

Left Out: 335.271+/-0.055 χ^2/NDF:563797.0/24

Right Out: 112.843+/-0.035 χ^2/NDF: 6929463.4/20

Left In: 335.526+/-0.056 χ^2/NDF:495170.0/22

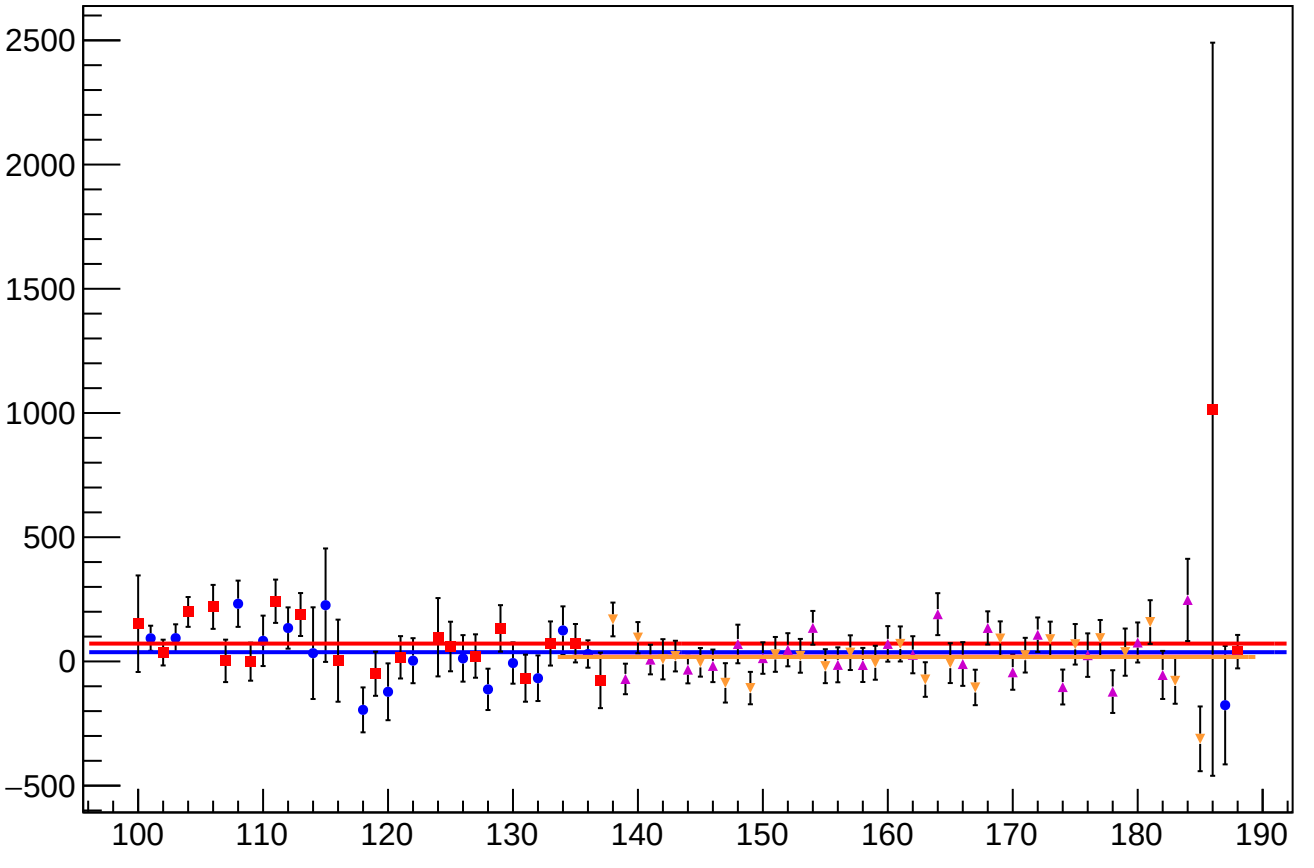
Left: 335.395+/-0.039 χ^2/NDF: 1058977.6/47

Right: 100.146+/-0.024 χ^2/NDF: 14103714.6/37

In: 152.175+/-0.028 χ^2/NDF:21829362.1/39

Out: 178.311+/-0.030 χ^2/NDF:19243104.7/45

All: 164.687+/-0.020 χ^2/NDF: 41479649.1/85



Right In: 37.232+/-20.339 χ^2/NDF: 24.1/16

Left Out: 17.804+/-14.495 χ^2/NDF:31.6/24

Right Out: 71.806+/-18.997 χ^2/NDF: 23.0/20

Left In: 19.642+/-15.040 χ^2/NDF:26.2/22

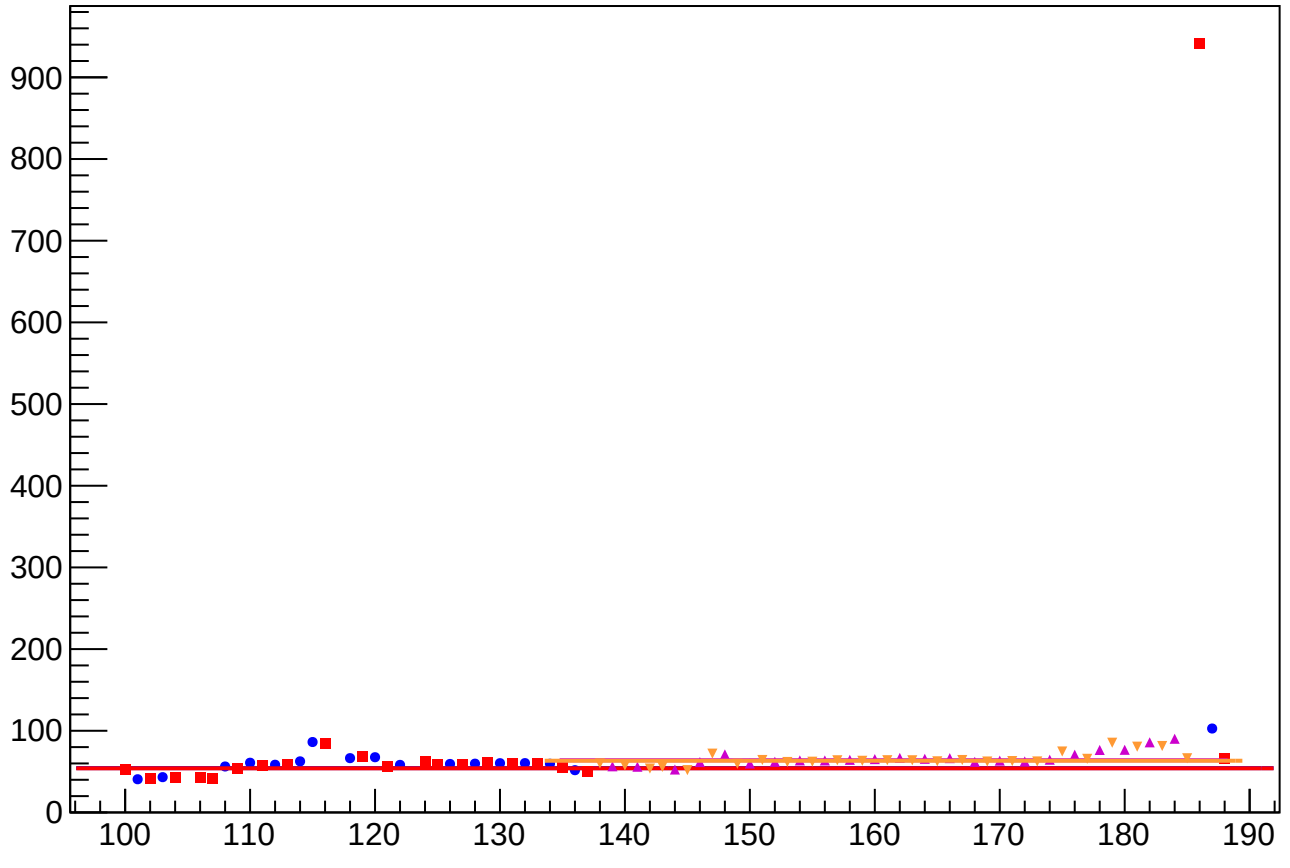
Left: 18.689+/-10.437 χ^2/NDF: 57.8/47

Right: 55.697+/-13.883 χ^2/NDF: 48.7/37

In: 25.860+/-12.093 χ^2/NDF:50.8/39

Out: 37.676+/-11.524 χ^2/NDF:59.7/45

All: 32.052+/-8.342 χ^2/NDF: 111.0/85



Right In: 54.268+/-0.014 χ^2/NDF: 476581.4/16

Left Out: 63.312+/-0.010 χ^2/NDF:497429.6/24

Right Out: 54.045+/-0.013 χ^2/NDF: 1214202.4/20

Left In: 63.918+/-0.011 χ^2/NDF:445309.5/22

Left: 63.604+/-0.007 χ^2/NDF: 944421.2/47

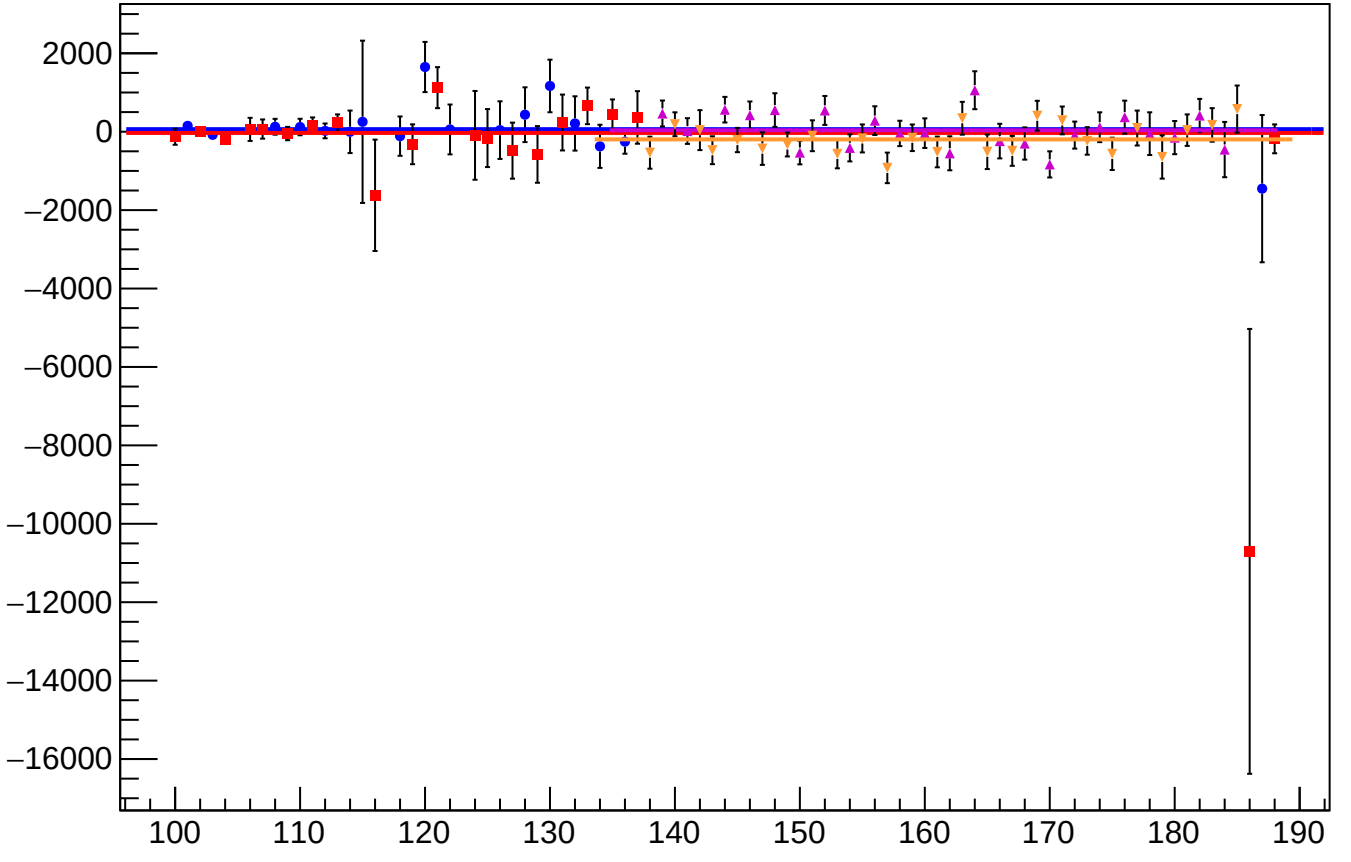
Right: 54.149+/-0.010 χ^2/NDF: 1690911.4/37

In: 60.506+/-0.009 χ^2/NDF:1212995.3/39

Out: 59.902+/-0.008 χ^2/NDF:2012447.7/45

All: 60.190+/-0.006 χ^2/NDF: 3228059.8/85

asym_sam_15_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 64.927+/-46.463 χ^2/NDF: 16.4/16

Left Out: -195.942+/-77.088 χ^2/NDF:20.6/24

Right Out: -31.047+/-49.786 χ^2/NDF: 21.7/20

Left In: 36.414+/-79.210 χ^2/NDF:31.1/22

Left: -82.918+/-55.244 χ^2/NDF: 56.1/47

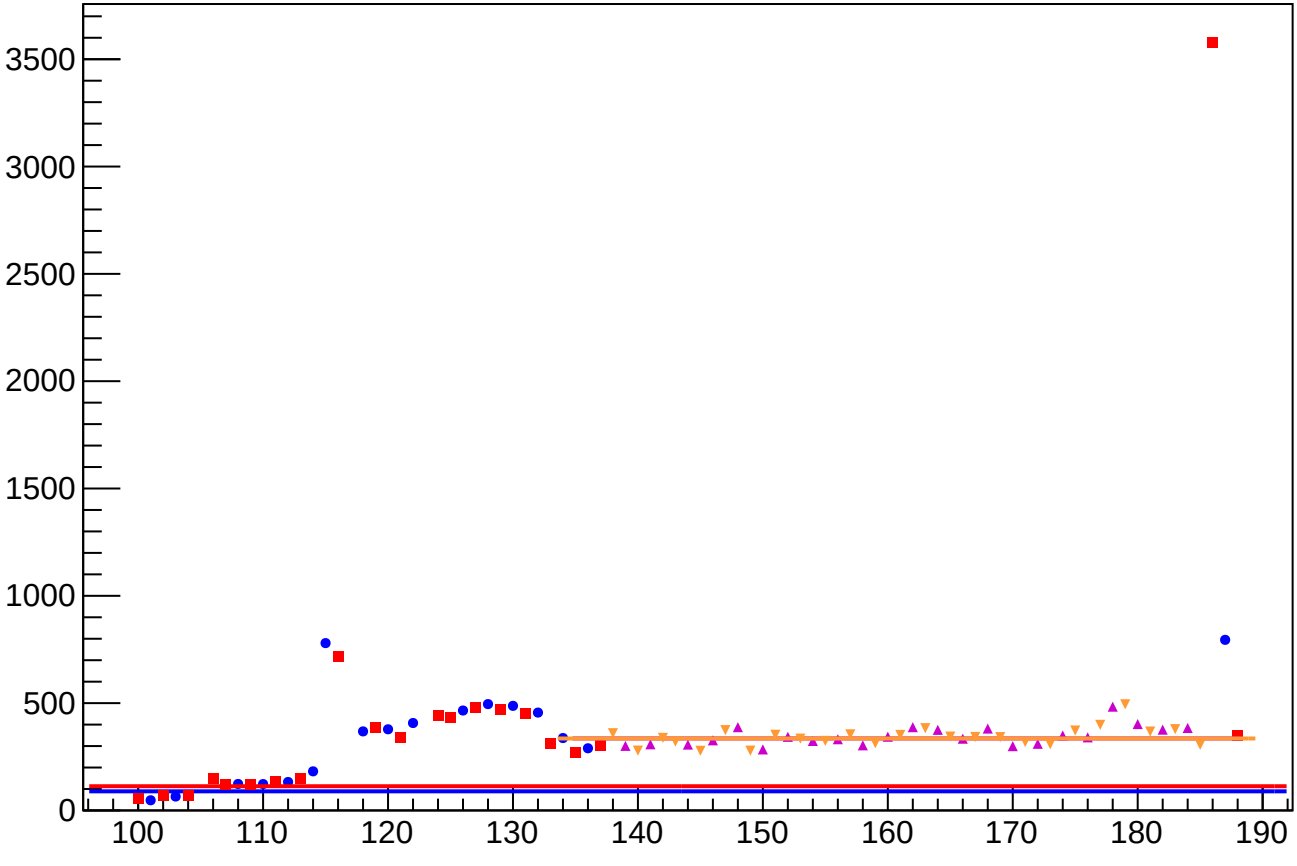
Right: 20.250+/-33.968 χ^2/NDF: 40.1/37

In: 57.628+/-40.077 χ^2/NDF:47.5/39

Out: -79.581+/-41.822 χ^2/NDF:45.6/45

All: -8.054+/-28.936 χ^2/NDF: 98.7/85

asym_sam_15_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 89.088+/-0.033 χ^2/NDF: 6930873.8/16

Left Out: 335.271+/-0.055 χ^2/NDF:563797.0/24

Right Out: 112.843+/-0.035 χ^2/NDF: 6929463.4/20

Left In: 335.526+/-0.056 χ^2/NDF:495170.0/22

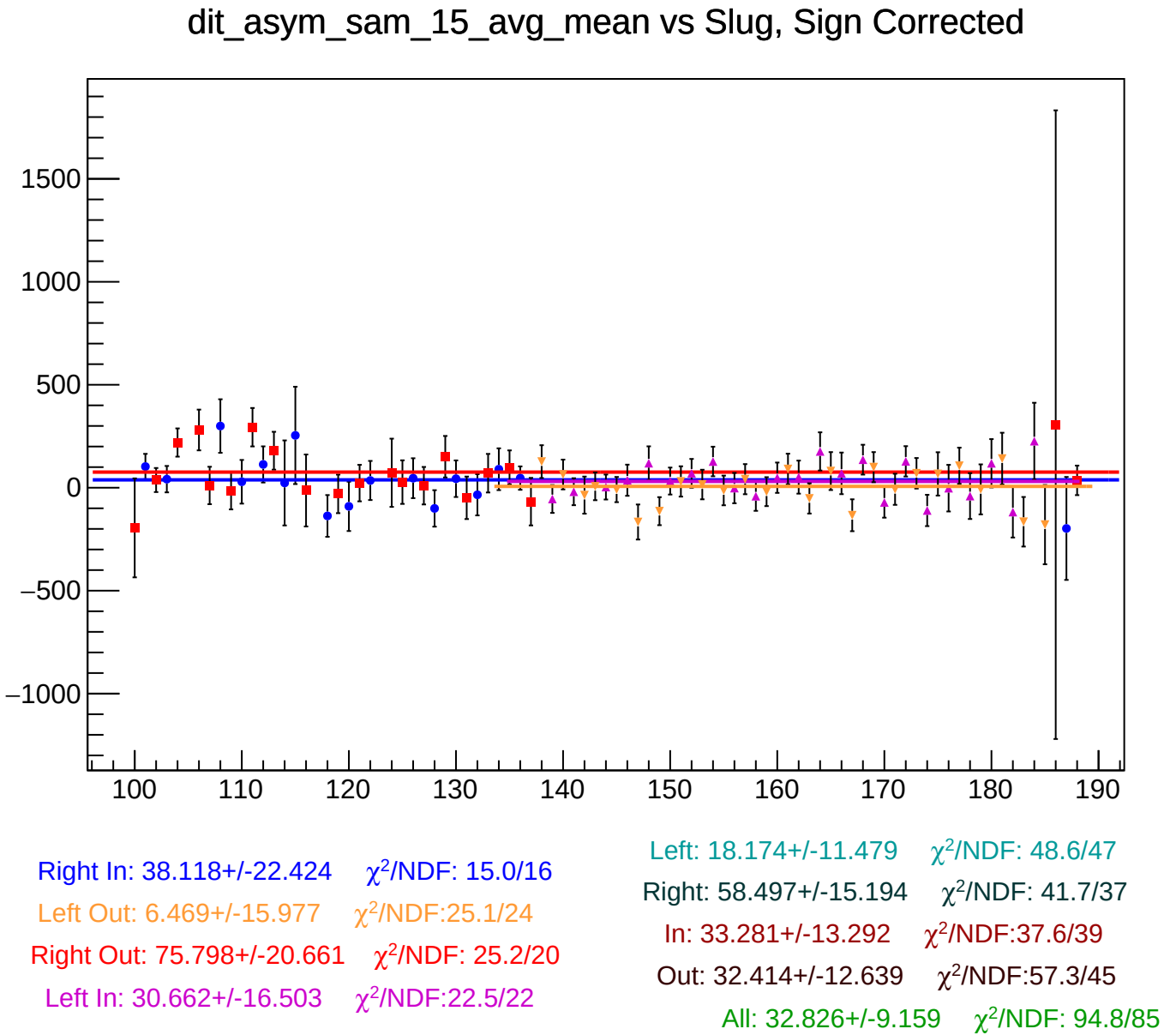
Left: 335.395+/-0.039 χ^2/NDF: 1058977.6/47

Right: 100.146+/-0.024 χ^2/NDF: 14103714.6/37

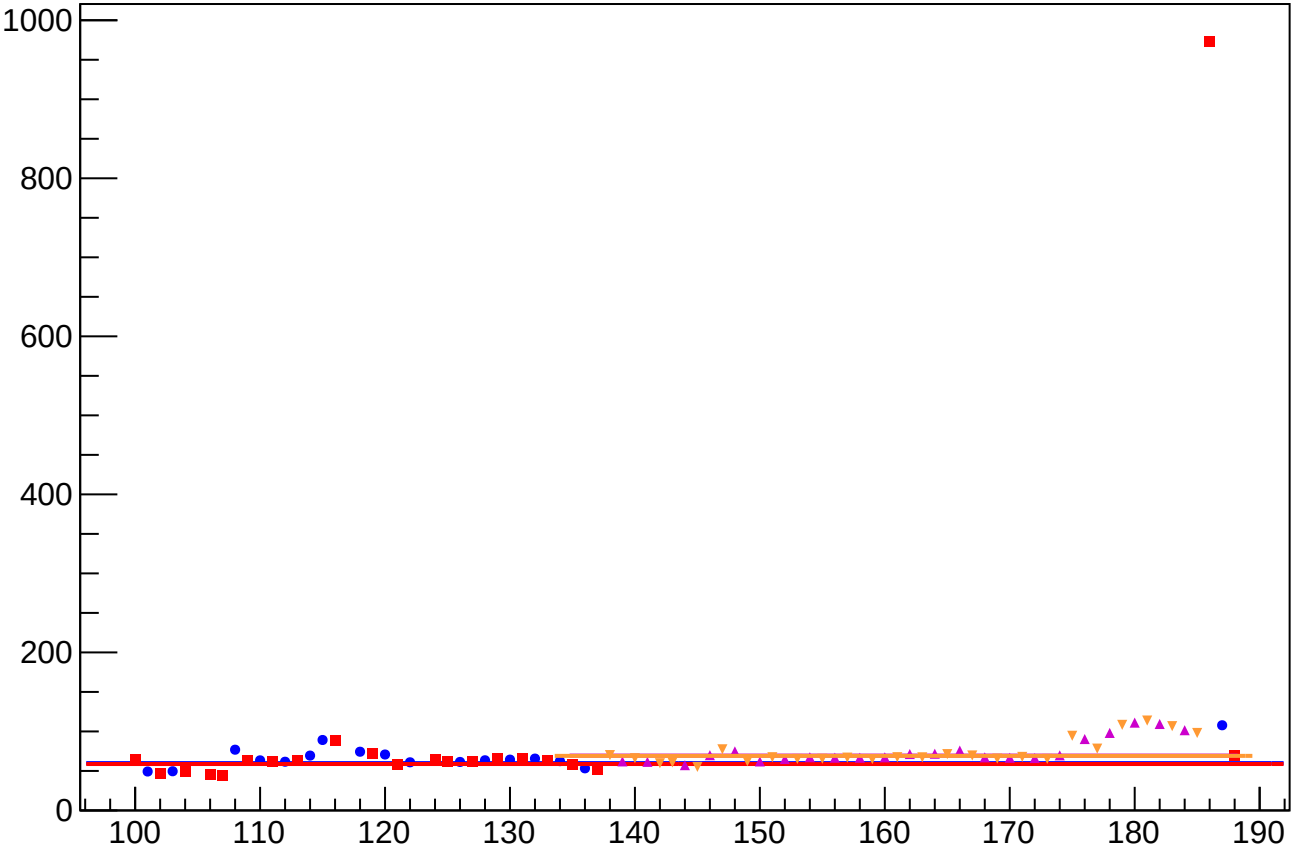
In: 152.175+/-0.028 χ^2/NDF:21829362.1/39

Out: 178.311+/-0.030 χ^2/NDF:19243104.7/45

All: 164.687+/-0.020 χ^2/NDF: 41479649.1/85


dit_asym_sam_15_avg_mean vs Slug, Sign Corrected
1500
1000
500
0
−500
−1000
100
110
120
130
140
150
160
170
180
190
Right In: 38.118+/-22.424 χ²/NDF: 15.0/16
Left Out: 6.469+/-15.977 χ²/NDF:25.1/24
Right Out: 75.798+/-20.661 χ²/NDF: 25.2/20
Left In: 30.662+/-16.503 χ²/NDF:22.5/22
Left: 18.174+/-11.479 χ²/NDF: 48.6/47
Right: 58.497+/-15.194 χ²/NDF: 41.7/37
In: 33.281+/-13.292 χ²/NDF:37.6/39
Out: 32.414+/-12.639 χ²/NDF:57.3/45
All: 32.826+/-9.159 χ²/NDF: 94.8/85

dit_asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 59.897+/-0.016 χ^2/NDF: 357225.6/16

Left Out: 69.078+/-0.011 χ^2/NDF:1074001.6/24

Right Out: 58.754+/-0.015 χ^2/NDF: 1118774.6/20

Left In: 69.436+/-0.012 χ^2/NDF:924607.6/22

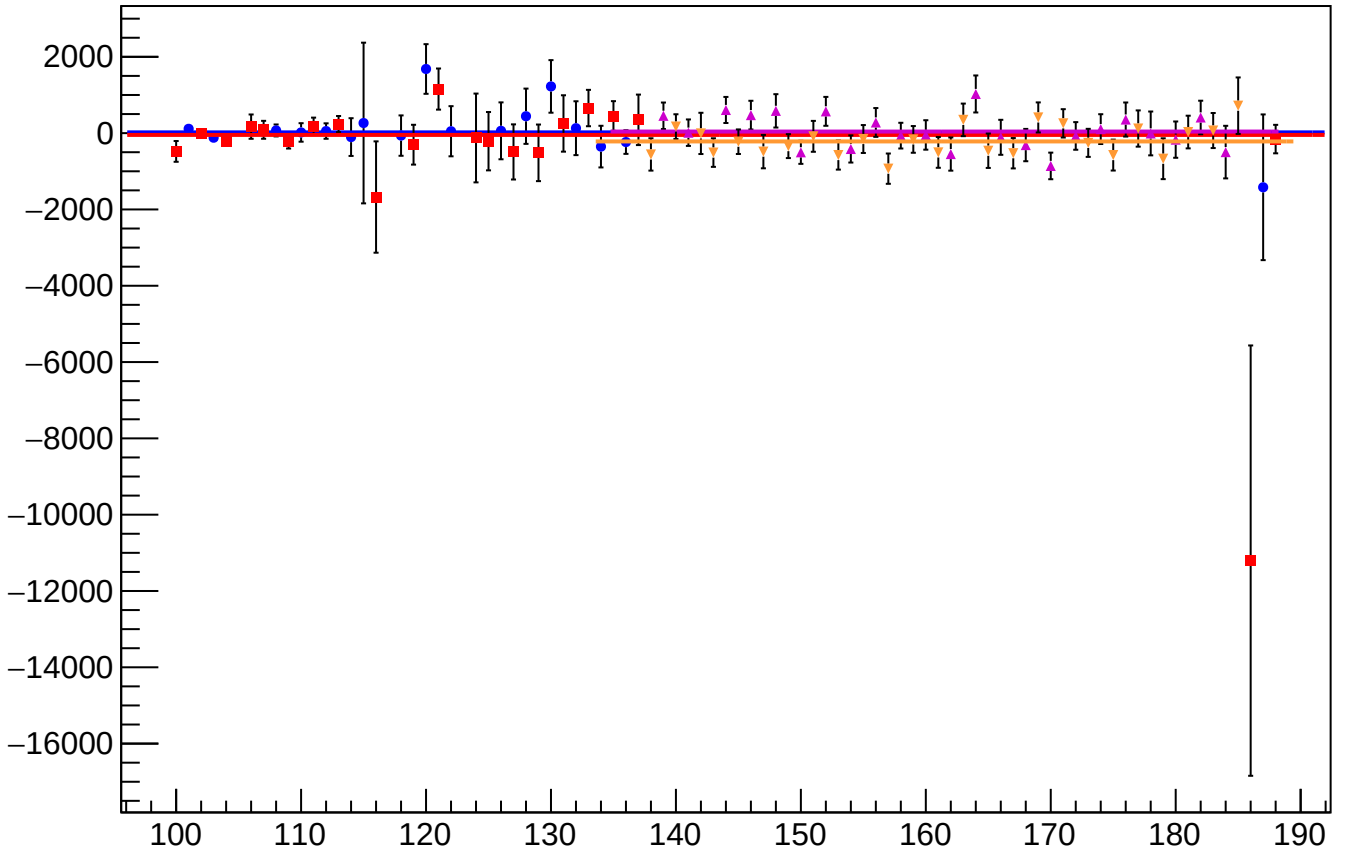
Left: 69.252+/-0.008 χ^2/NDF: 1999094.5/47

Right: 59.279+/-0.011 χ^2/NDF: 1478809.7/37

In: 66.085+/-0.009 χ^2/NDF:1516601.0/39

Out: 65.215+/-0.009 χ^2/NDF:2505282.3/45

All: 65.628+/-0.006 χ^2/NDF: 4026381.9/85



Right In: 19.707+/-53.564 χ^2/NDF: 15.2/16

Left Out: -217.349+/-80.133 χ^2/NDF:19.3/24

Right Out: -46.479+/-52.675 χ^2/NDF: 25.5/20

Left In: 41.512+/-82.256 χ^2/NDF:30.0/22

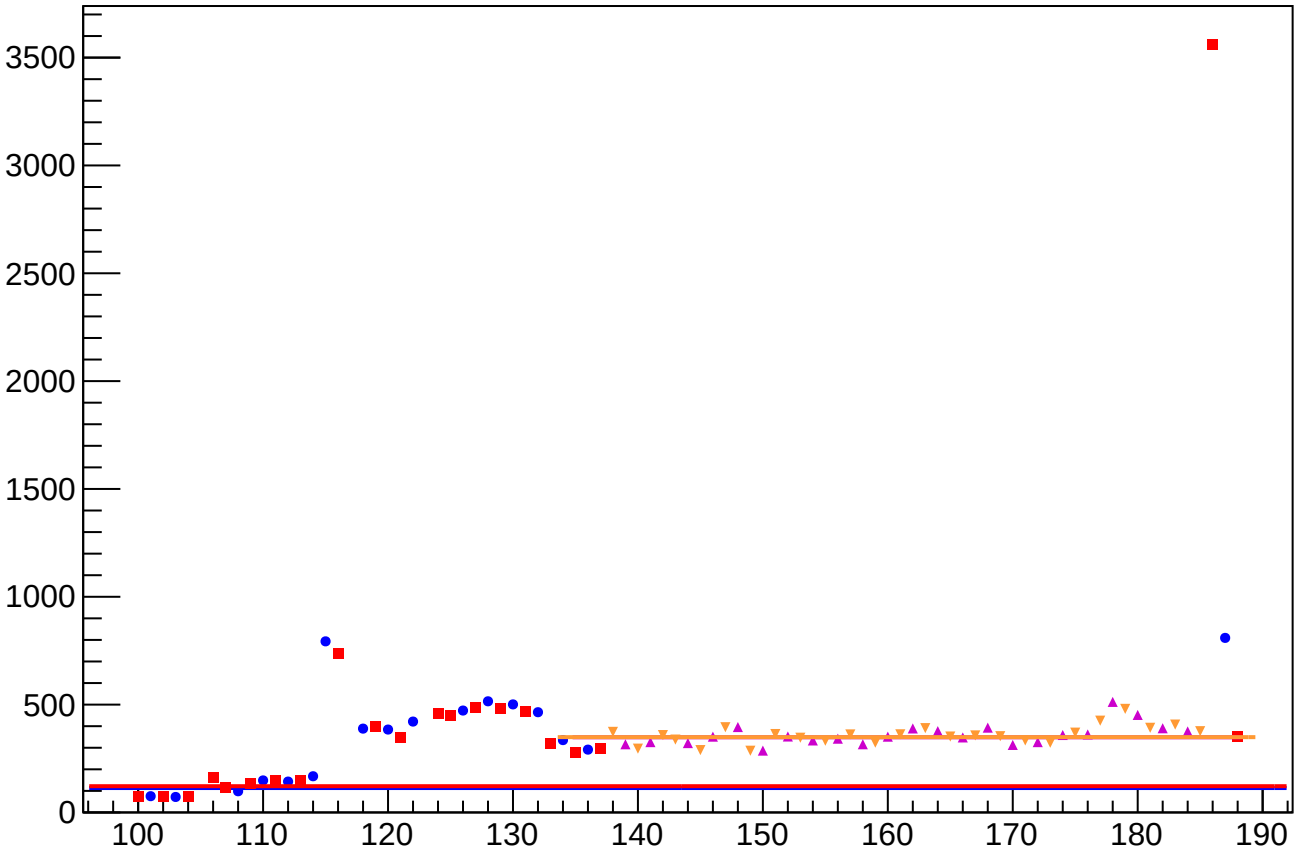
Left: -91.302+/-57.399 χ^2/NDF: 54.4/47

Right: -13.939+/-37.557 χ^2/NDF: 41.5/37

In: 26.200+/-44.886 χ^2/NDF:45.2/39

Out: -98.035+/-44.017 χ^2/NDF:48.0/45

All: -37.132+/-31.428 χ^2/NDF: 97.1/85



Right In: 113.216+/-0.038 χ^2/NDF: 5865725.7/16

Left Out: 349.177+/-0.057 χ^2/NDF:524075.5/24

Right Out: 121.737+/-0.037 χ^2/NDF: 6670086.7/20

Left In: 348.560+/-0.058 χ^2/NDF:525743.6/22

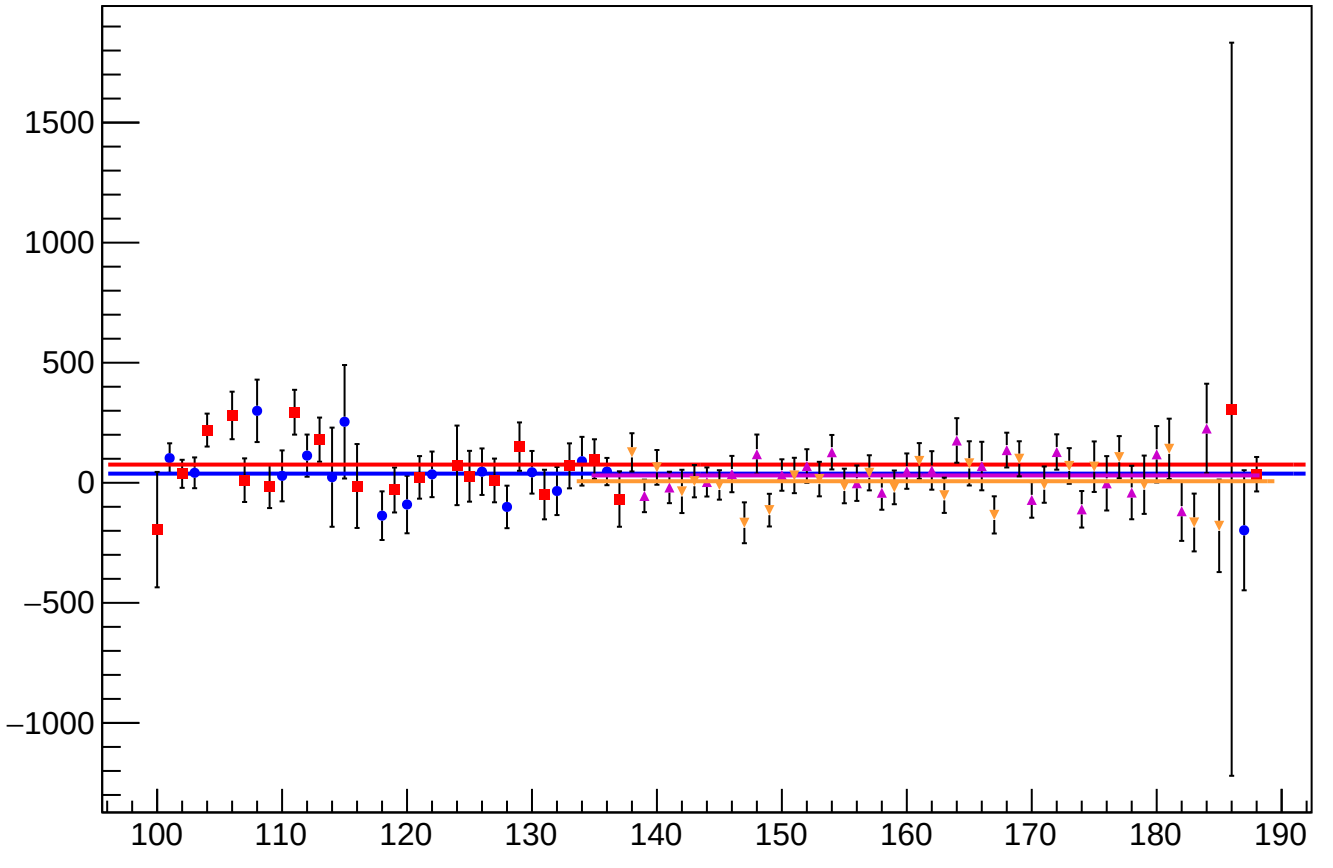
Left: 348.876+/-0.041 χ^2/NDF: 1049876.9/47

Right: 117.548+/-0.027 χ^2/NDF: 12561539.8/37

In: 183.296+/-0.032 χ^2/NDF:17888188.7/39

Out: 190.362+/-0.031 χ^2/NDF:18444402.5/45

All: 186.898+/-0.022 χ^2/NDF: 36357859.0/85



Right In: 38.117+/-22.424 χ^2/NDF: 15.0/16

Left Out: 6.469+/-15.977 χ^2/NDF:25.1/24

Right Out: 75.798+/-20.661 χ^2/NDF: 25.2/20

Left In: 30.662+/-16.503 χ^2/NDF:22.5/22

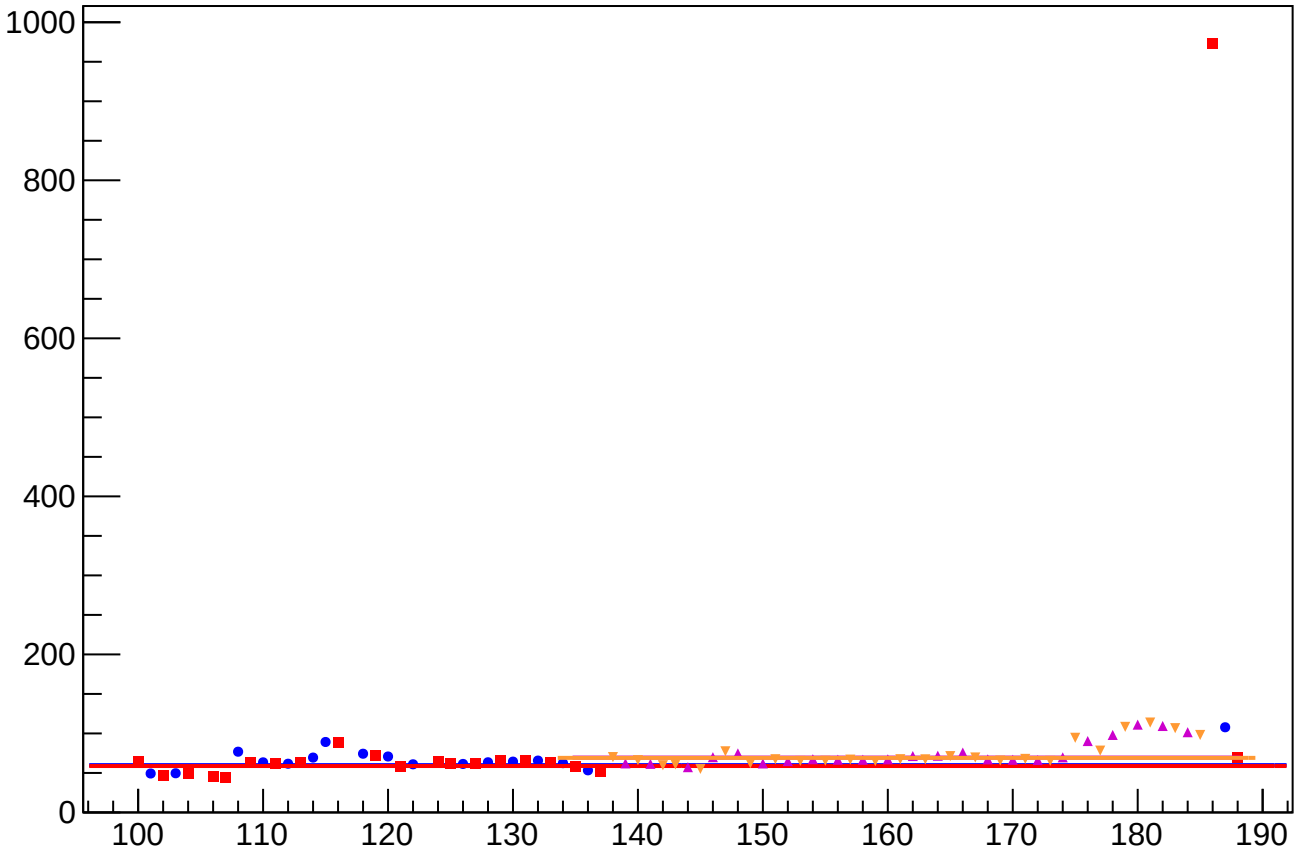
Left: 18.174+/-11.479 χ^2/NDF: 48.6/47

Right: 58.497+/-15.194 χ^2/NDF: 41.7/37

In: 33.281+/-13.292 χ^2/NDF:37.6/39

Out: 32.414+/-12.639 χ^2/NDF:57.3/45

All: 32.826+/-9.159 χ^2/NDF: 94.8/85



Right In: 59.897+/-0.016 χ^2/NDF: 357224.2/16

Left Out: 69.079+/-0.011 χ^2/NDF:1073983.7/24

Right Out: 58.754+/-0.015 χ^2/NDF: 1118771.5/20

Left In: 69.436+/-0.012 χ^2/NDF:924591.6/22

Left: 69.252+/-0.008 χ^2/NDF: 1999060.7/47

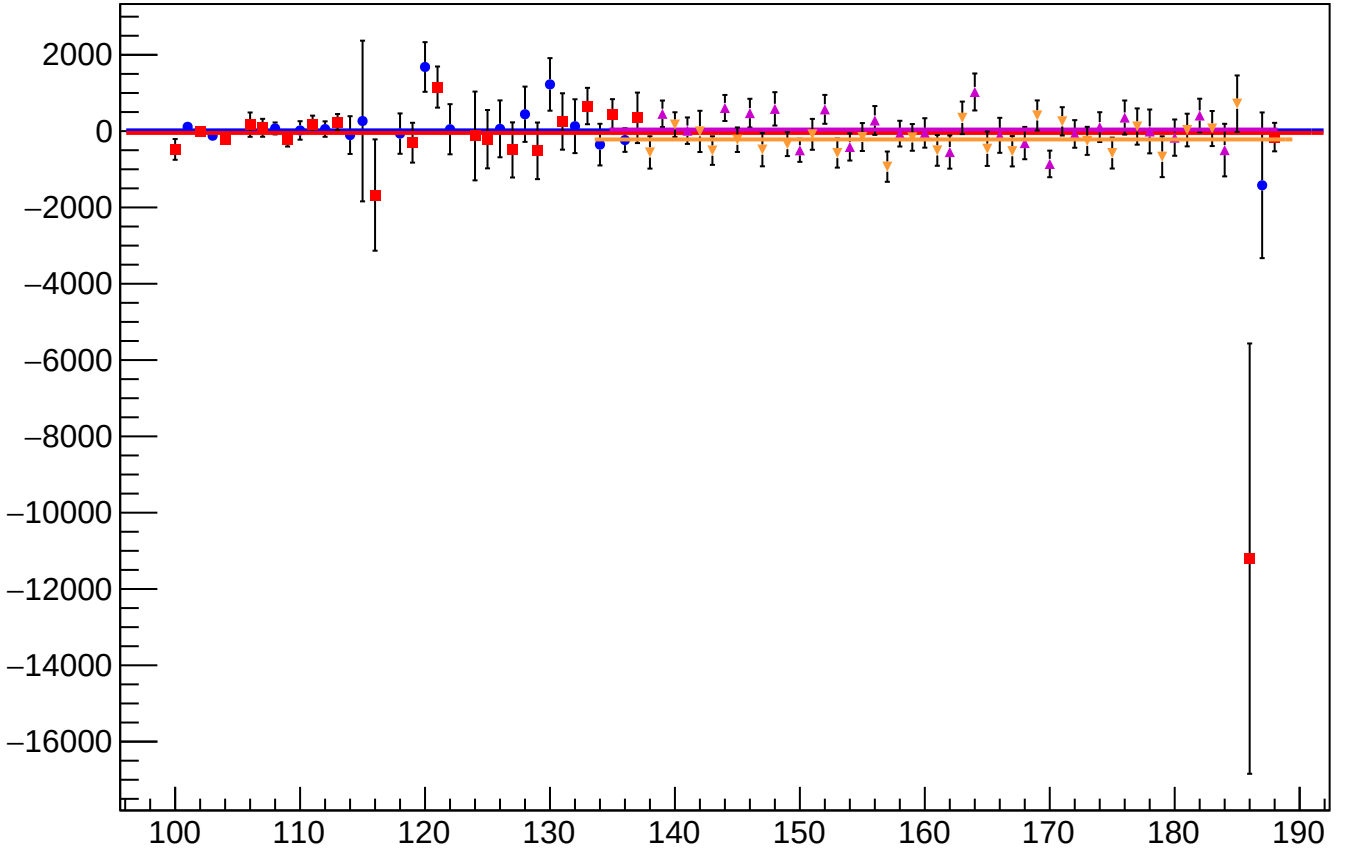
Right: 59.279+/-0.011 χ^2/NDF: 1478805.1/37

In: 66.085+/-0.009 χ^2/NDF:1516595.4/39

Out: 65.215+/-0.009 χ^2/NDF:2505270.9/45

All: 65.628+/-0.006 χ^2/NDF: 4026365.2/85

asym_sam_15_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 19.707+/-53.564 χ^2/NDF: 15.2/16

Left Out: -217.348+/-80.133 χ^2/NDF:19.3/24

Right Out: -46.478+/-52.675 χ^2/NDF: 25.5/20

Left In: 41.512+/-82.256 χ^2/NDF:30.0/22

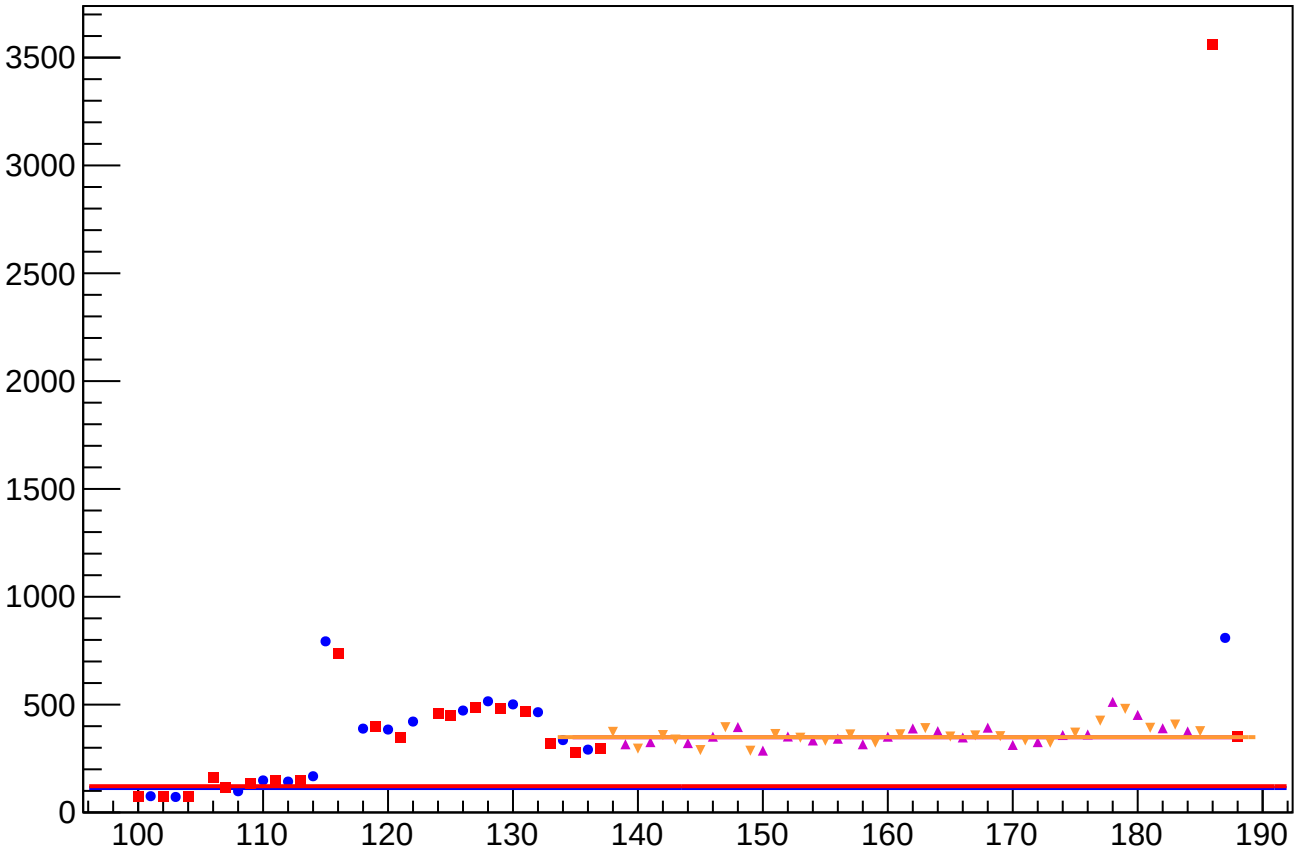
Left: -91.302+/-57.399 χ^2/NDF: 54.4/47

Right: -13.940+/-37.557 χ^2/NDF: 41.5/37

In: 26.200+/-44.886 χ^2/NDF:45.2/39

Out: -98.034+/-44.017 χ^2/NDF:48.0/45

All: -37.132+/-31.427 χ^2/NDF: 97.1/85



Right In: 113.216+/-0.038 χ^2/NDF: 5865724.8/16

Left Out: 349.177+/-0.057 χ^2/NDF:524067.1/24

Right Out: 121.737+/-0.037 χ^2/NDF: 6670097.0/20

Left In: 348.560+/-0.058 χ^2/NDF:525736.6/22

Left: 348.877+/-0.041 χ^2/NDF: 1049861.4/47

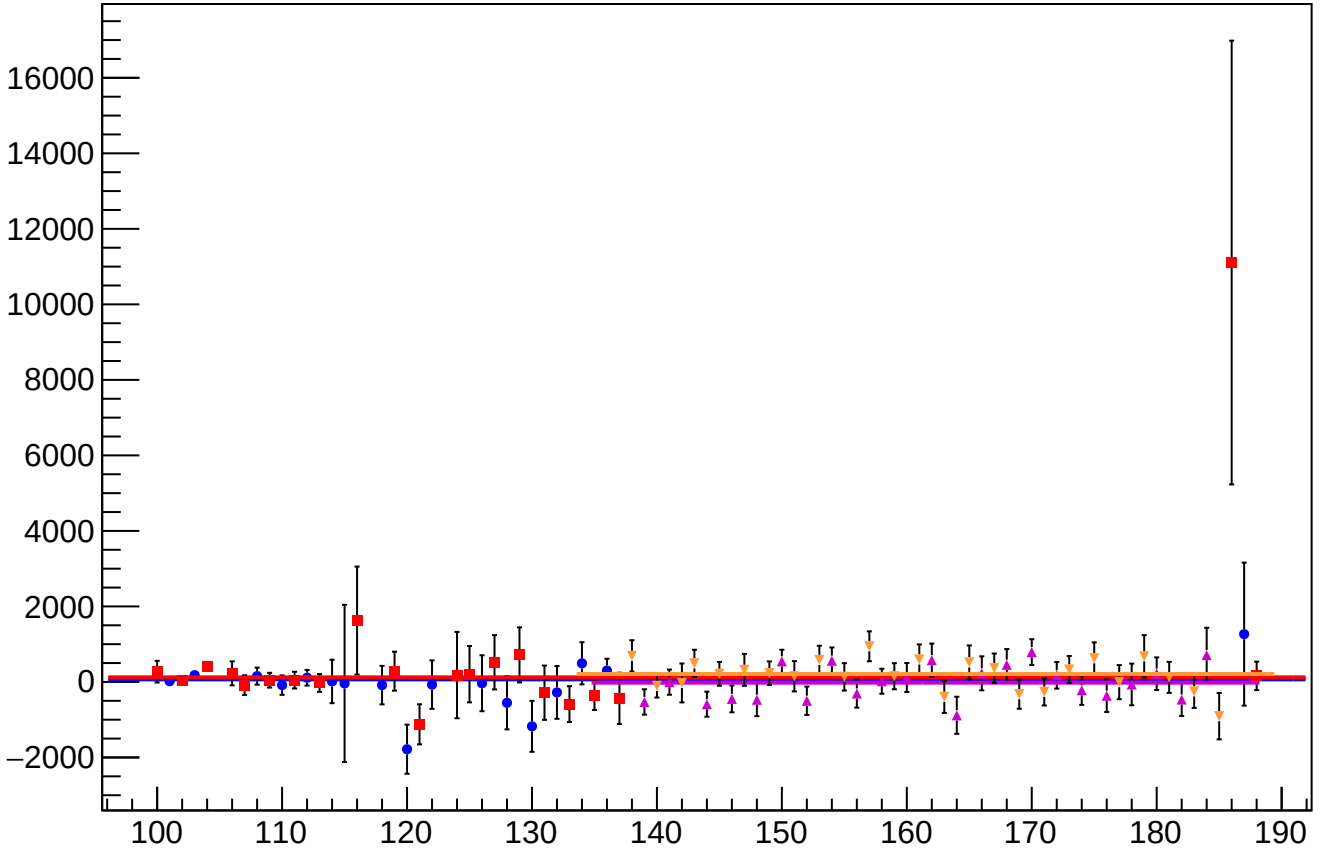
Right: 117.548+/-0.027 χ^2/NDF: 12561548.5/37

In: 183.295+/-0.032 χ^2/NDF:17888248.9/39

Out: 190.361+/-0.031 χ^2/NDF:18444488.9/45

All: 186.897+/-0.022 χ^2/NDF: 36358004.7/85

asym_sam_15_avg_mean vs Slug, Sign Corrected



Right In: 68.790+/-59.140 χ^2/NDF: 16.2/16

Left Out: 209.819+/-78.511 χ^2/NDF:21.4/24

Right Out: 121.630+/-57.265 χ^2/NDF: 24.6/20

Left In: -18.738+/-80.699 χ^2/NDF:32.0/22

Left: 98.681+/-56.273 χ^2/NDF: 57.6/47

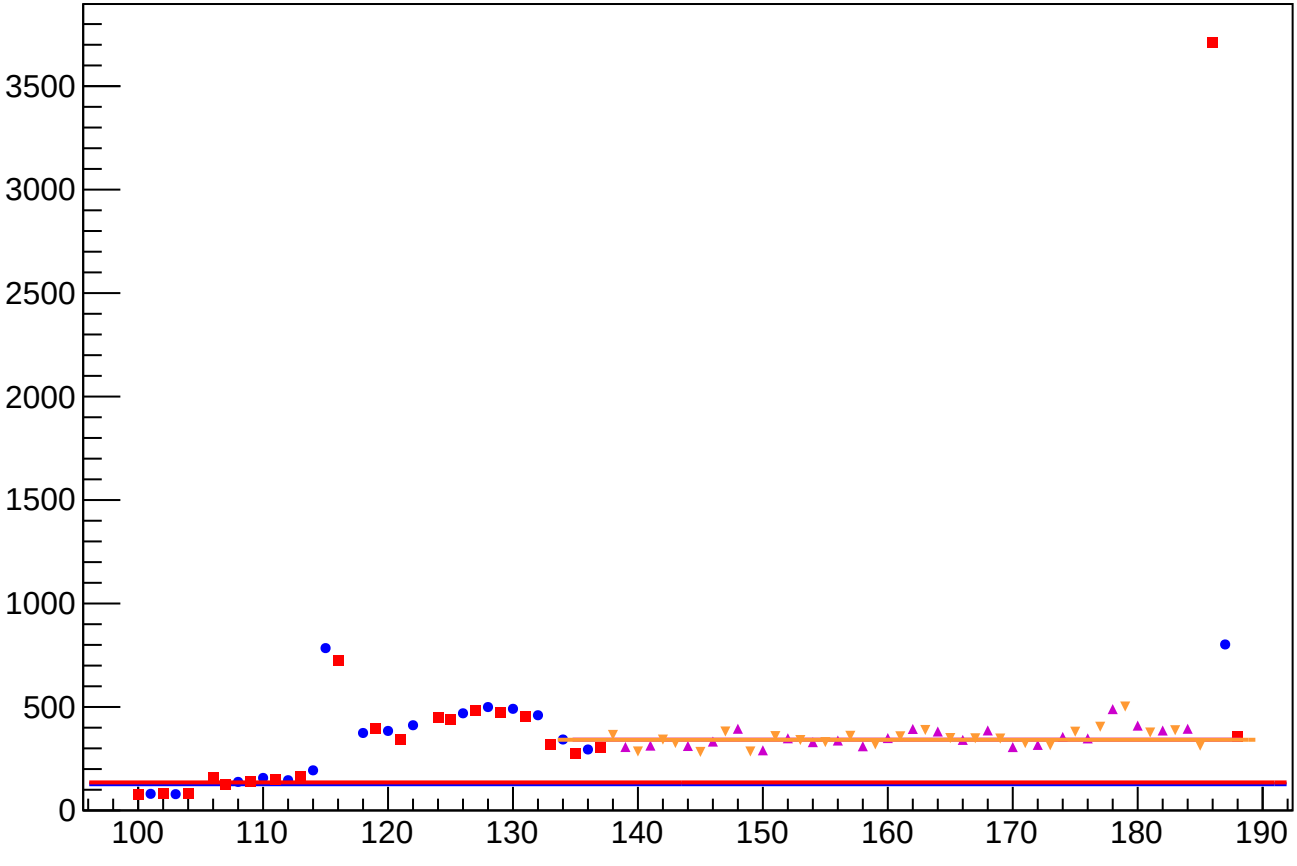
Right: 96.061+/-41.139 χ^2/NDF: 41.2/37

In: 38.207+/-47.702 χ^2/NDF:49.0/39

Out: 152.255+/-46.266 χ^2/NDF:46.9/45

All: 96.974+/-33.211 χ^2/NDF: 98.8/85

asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 126.813+/-0.042 χ^2/NDF: 5474654.6/16

Left Out: 341.585+/-0.056 χ^2/NDF:554287.8/24

Right Out: 135.482+/-0.040 χ^2/NDF: 6092313.1/20

Left In: 341.943+/-0.057 χ^2/NDF:485509.1/22

Left: 341.759+/-0.040 χ^2/NDF: 1039817.1/47

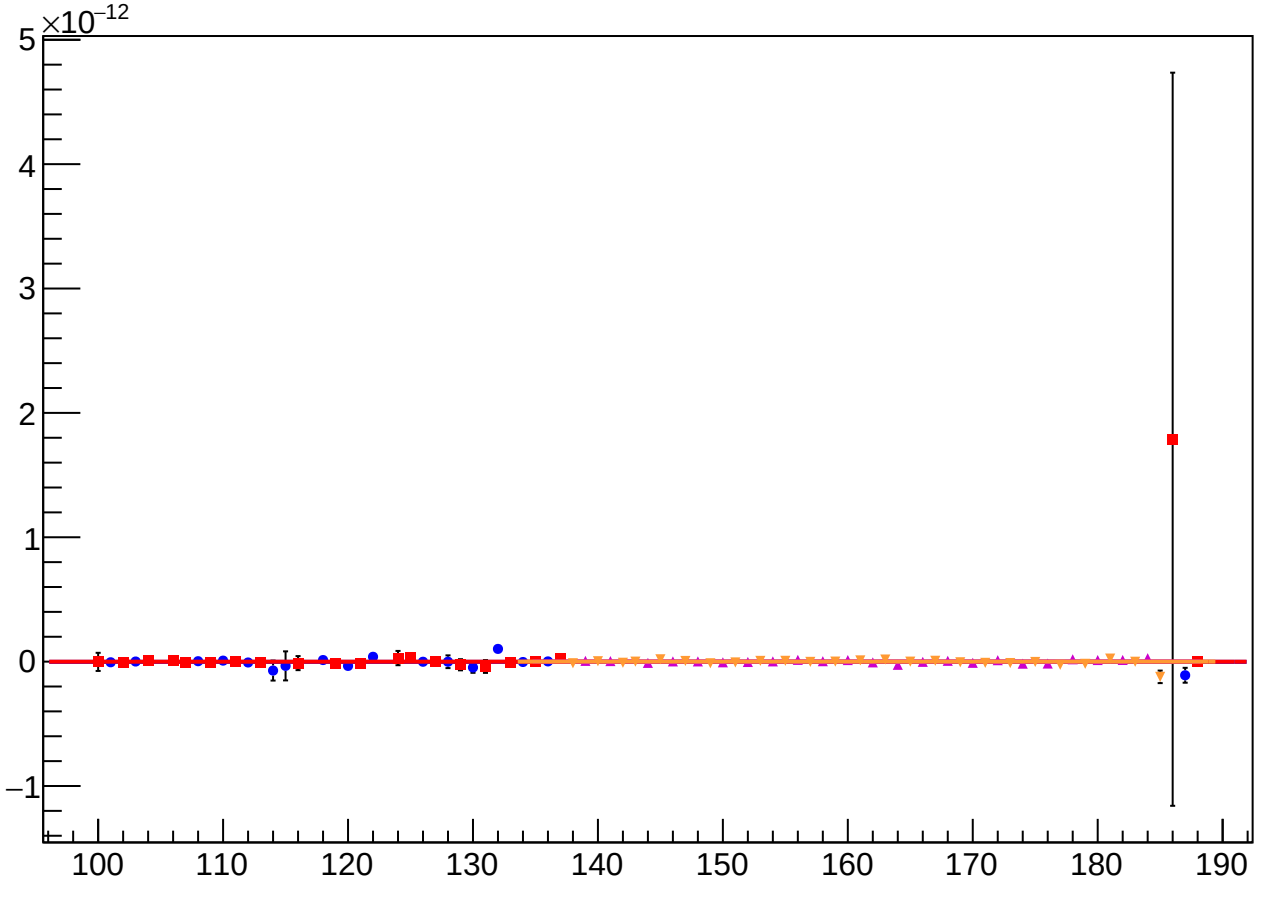
Right: 131.287+/-0.029 χ^2/NDF: 11589148.5/37

In: 201.981+/-0.034 χ^2/NDF:15207164.3/39

Out: 207.053+/-0.033 χ^2/NDF:15643088.4/45

All: 204.595+/-0.023 χ^2/NDF: 30861901.6/85

asym_sam_15_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 21.0/16

Left Out: 0.000+/-0.000 χ^2/NDF:28.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 10.9/20

Left In: 0.000+/-0.000 χ^2/NDF:20.5/22

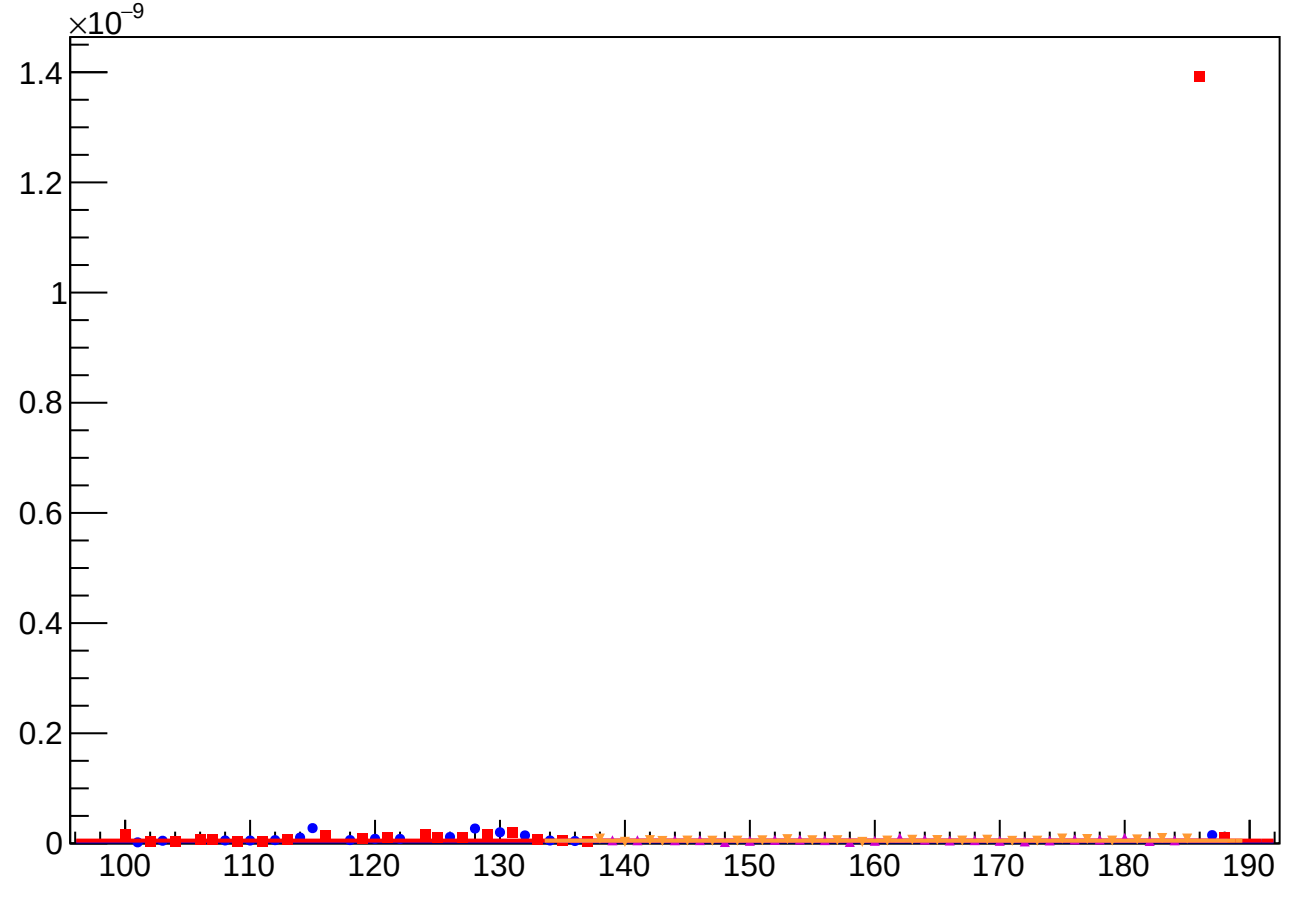
Left: 0.000+/-0.000 χ^2/NDF: 49.1/47

Right: -0.000+/-0.000 χ^2/NDF: 32.1/37

In: -0.000+/-0.000 χ^2/NDF:42.3/39

Out: 0.000+/-0.000 χ^2/NDF:39.6/45

All: -0.000+/-0.000 χ^2/NDF: 81.9/85



Right In: 0.000+/-0.000 χ^2/NDF: 2244916.8/16

Left Out: 0.000+/-0.000 χ^2/NDF:1294137.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 1957158.9/20

Left In: 0.000+/-0.000 χ^2/NDF:1225248.2/22

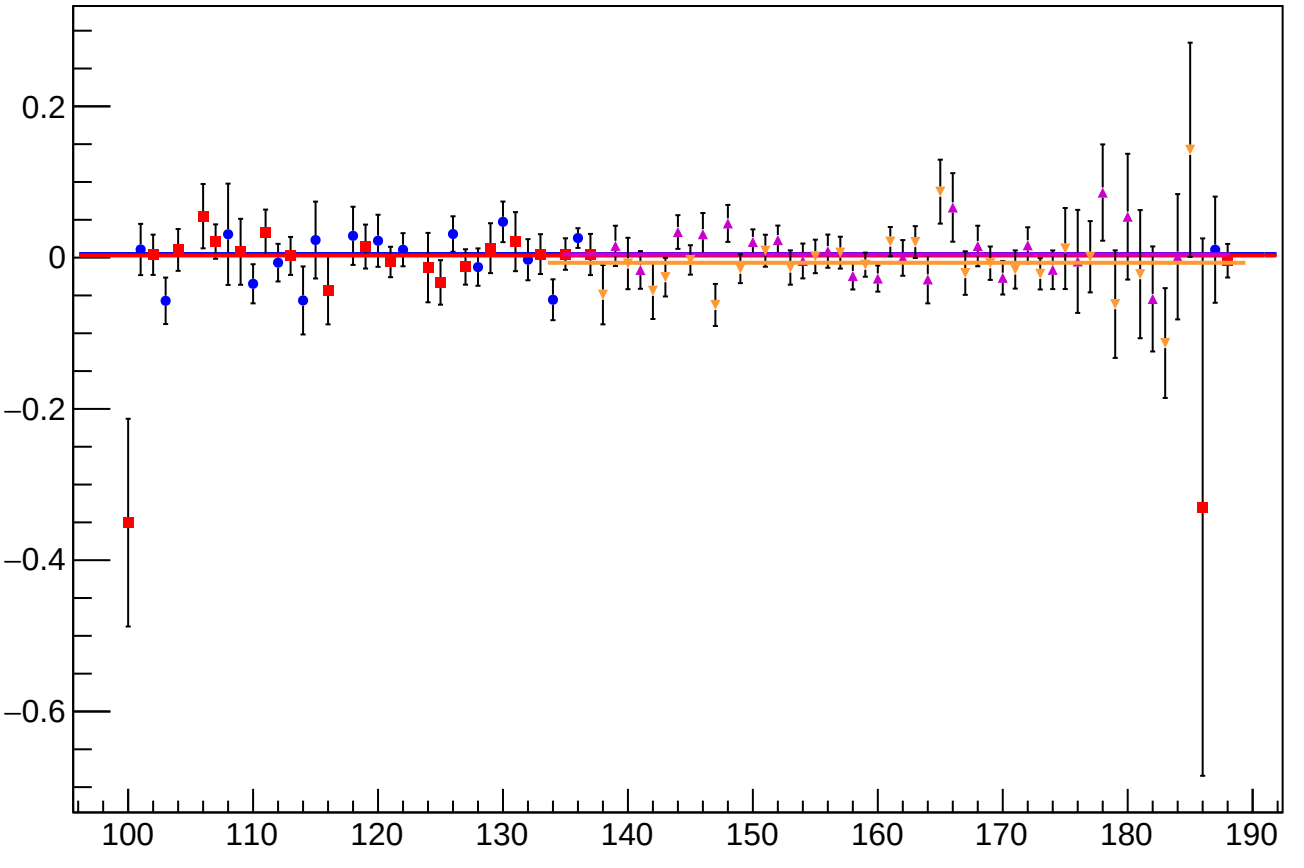
Left: 0.000+/-0.000 χ^2/NDF: 2519997.3/47

Right: 0.000+/-0.000 χ^2/NDF: 4458635.8/37

In: 0.000+/-0.000 χ^2/NDF:3769119.2/39

Out: 0.000+/-0.000 χ^2/NDF:3253871.1/45

All: 0.000+/-0.000 χ^2/NDF: 7154095.4/85



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/16

Left Out: -0.007+/-0.005 χ^2/NDF:21.8/24

Right Out: 0.003+/-0.006 χ^2/NDF: 14.6/20

Left In: 0.004+/-0.005 χ^2/NDF:23.2/22

Left: -0.001+/-0.004 χ^2/NDF: 47.1/47

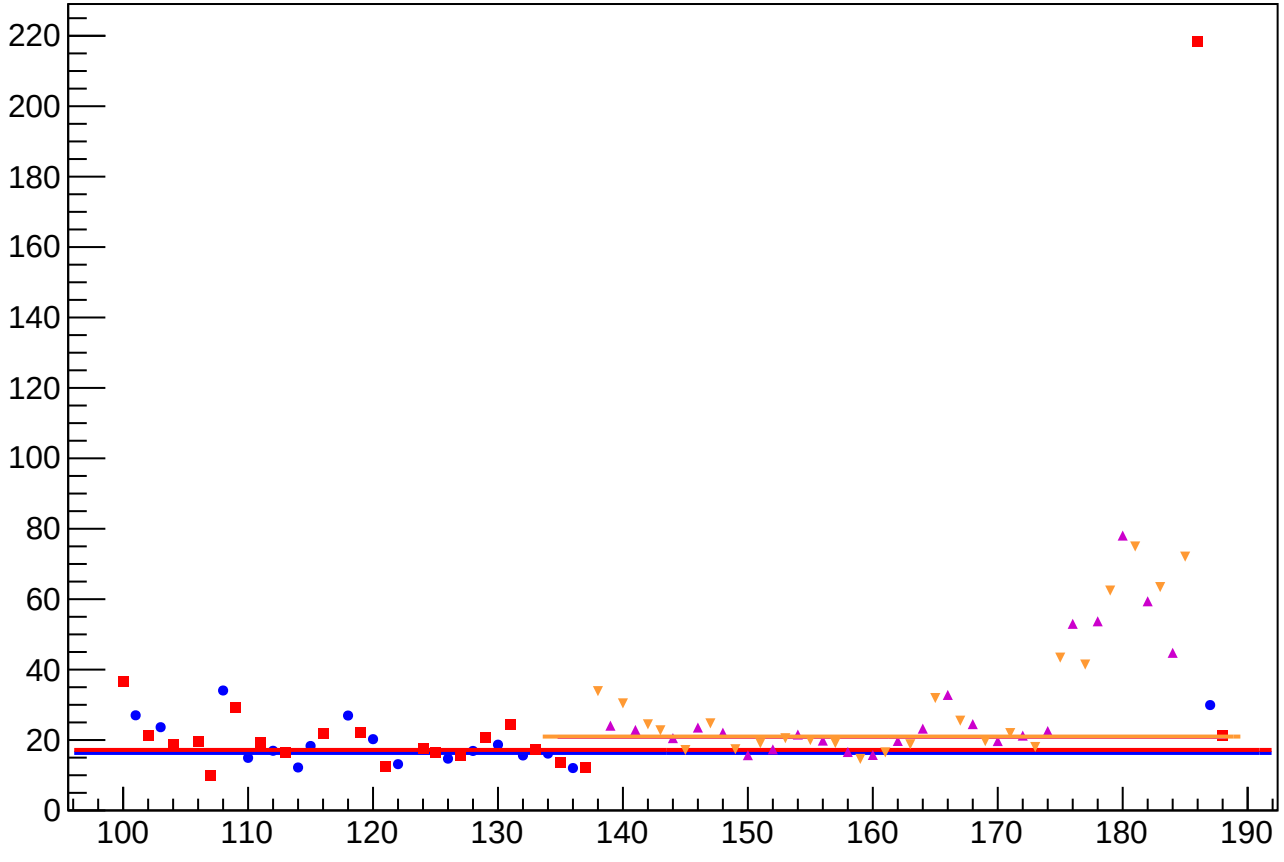
Right: 0.004+/-0.005 χ^2/NDF: 36.1/37

In: 0.004+/-0.004 χ^2/NDF:44.6/39

Out: -0.003+/-0.004 χ^2/NDF:37.7/45

All: 0.001+/-0.003 χ^2/NDF: 84.0/85

asym_sam_15_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 16.335+/-0.005 χ^2/NDF: 1019561.3/16

Left Out: 20.981+/-0.004 χ^2/NDF:4467011.5/24

Right Out: 17.190+/-0.004 χ^2/NDF: 1580381.3/20

Left In: 20.868+/-0.004 χ^2/NDF:3534877.7/22

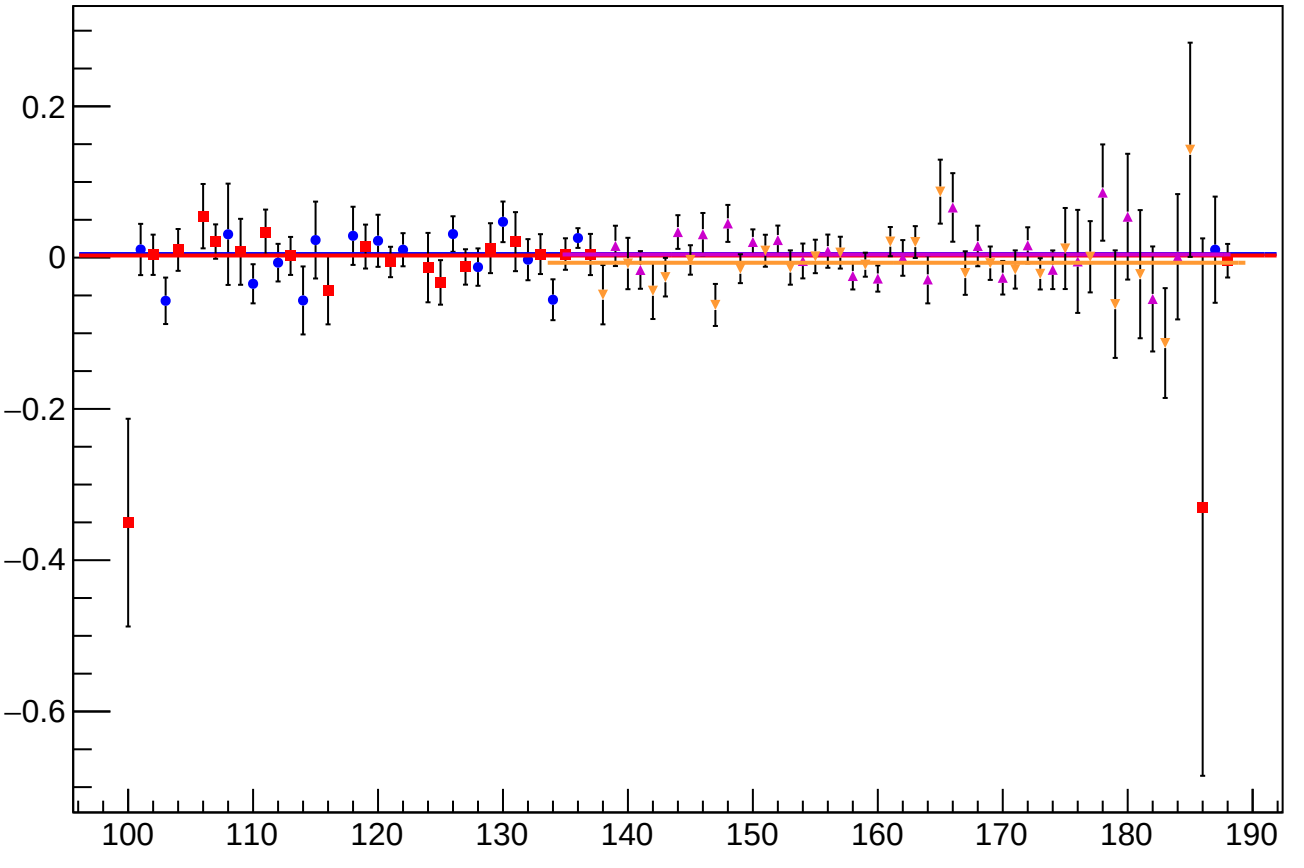
Left: 20.925+/-0.003 χ^2/NDF: 8002354.8/47

Right: 16.775+/-0.003 χ^2/NDF: 2617544.7/37

In: 19.074+/-0.003 χ^2/NDF:5135357.8/39

Out: 19.458+/-0.003 χ^2/NDF:6473859.0/45

All: 19.270+/-0.002 χ^2/NDF: 11618122.5/85



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/16

Left Out: -0.007+/-0.005 χ^2/NDF:21.8/24

Right Out: 0.003+/-0.006 χ^2/NDF: 14.6/20

Left In: 0.004+/-0.005 χ^2/NDF:23.2/22

Left: -0.001+/-0.004 χ^2/NDF: 47.1/47

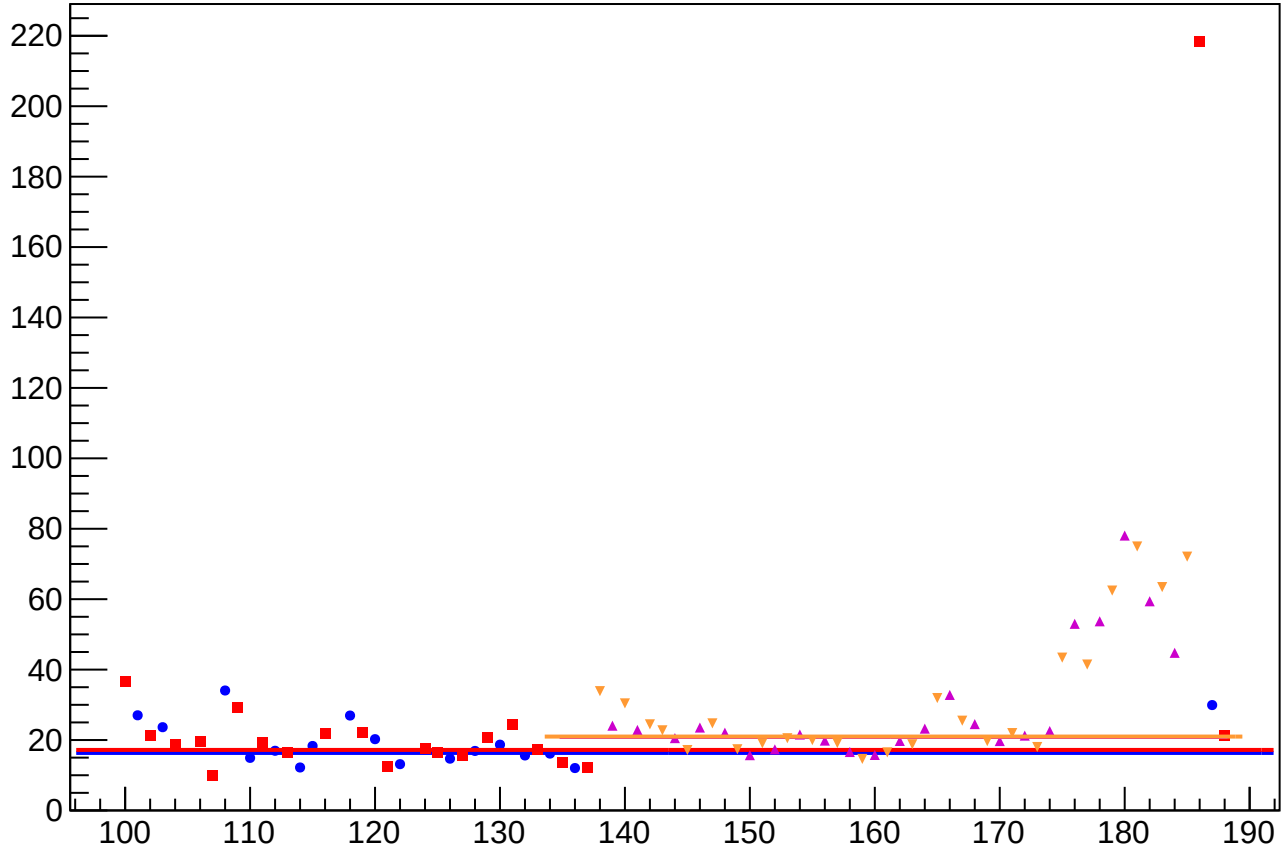
Right: 0.004+/-0.005 χ^2/NDF: 36.1/37

In: 0.004+/-0.004 χ^2/NDF:44.6/39

Out: -0.003+/-0.004 χ^2/NDF:37.7/45

All: 0.001+/-0.003 χ^2/NDF: 84.0/85

asym_sam_15_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 16.335+/-0.005 χ^2/NDF: 1019561.3/16

Left Out: 20.981+/-0.004 χ^2/NDF:4467011.5/24

Right Out: 17.190+/-0.004 χ^2/NDF: 1580381.3/20

Left In: 20.868+/-0.004 χ^2/NDF:3534877.7/22

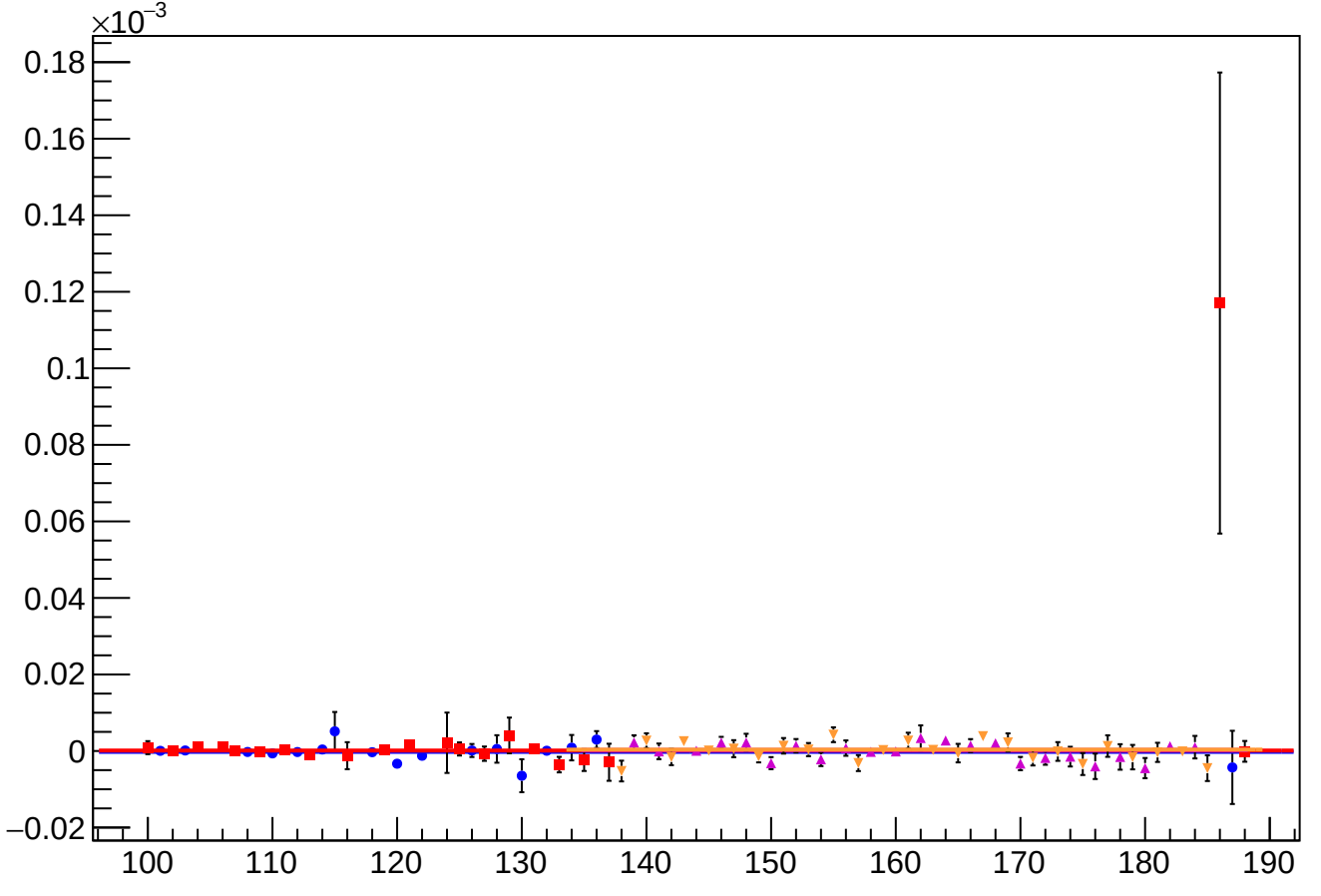
Left: 20.925+/-0.003 χ^2/NDF: 8002354.8/47

Right: 16.775+/-0.003 χ^2/NDF: 2617544.7/37

In: 19.074+/-0.003 χ^2/NDF:5135357.8/39

Out: 19.458+/-0.003 χ^2/NDF:6473859.0/45

All: 19.270+/-0.002 χ^2/NDF: 11618122.5/85



Right In: -0.000+/-0.000 χ^2/NDF: 14.7/16

Left Out: 0.000+/-0.000 χ^2/NDF:34.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 24.0/20

Left In: 0.000+/-0.000 χ^2/NDF:31.6/22

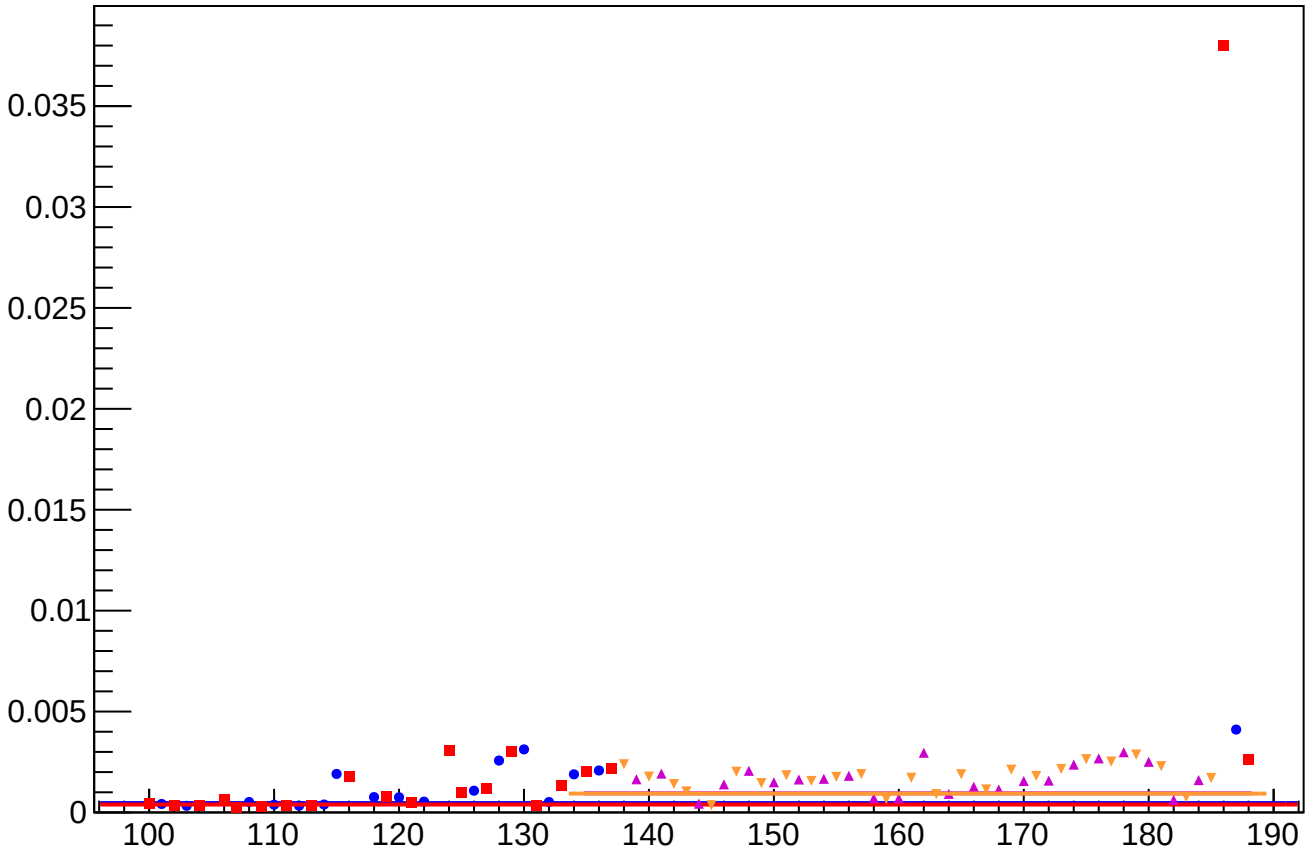
Left: 0.000+/-0.000 χ^2/NDF: 65.9/47

Right: -0.000+/-0.000 χ^2/NDF: 40.2/37

In: -0.000+/-0.000 χ^2/NDF:48.3/39

Out: 0.000+/-0.000 χ^2/NDF:58.8/45

All: 0.000+/-0.000 χ^2/NDF: 108.2/85



Right In: 0.000+/-0.000 χ^2/NDF: 4306150.9/16

Left Out: 0.001+/-0.000 χ^2/NDF:11996378.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6166528.9/20

Left In: 0.001+/-0.000 χ^2/NDF:9470540.4/22

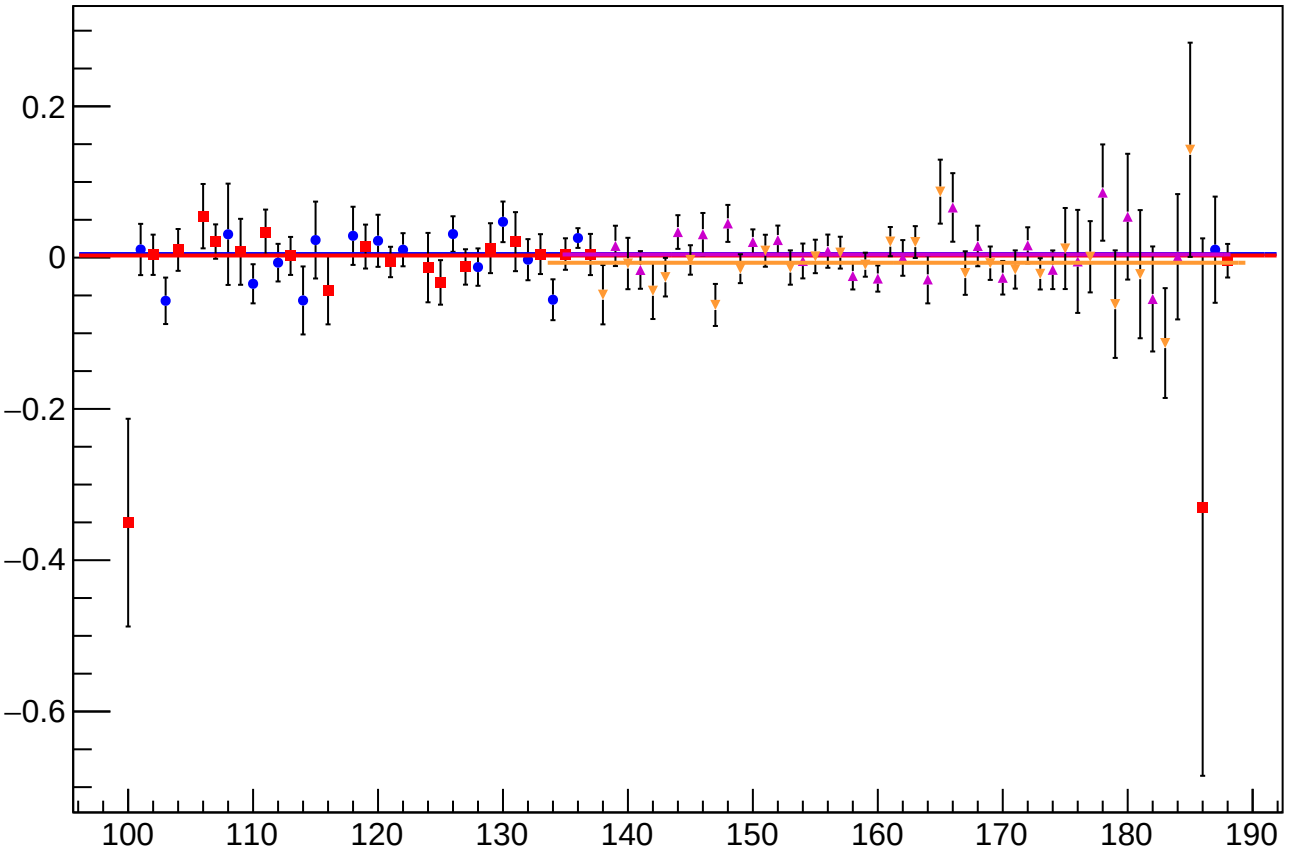
Left: 0.001+/-0.000 χ^2/NDF: 21470091.7/47

Right: 0.000+/-0.000 χ^2/NDF: 10612580.6/37

In: 0.001+/-0.000 χ^2/NDF:17942059.3/39

Out: 0.001+/-0.000 χ^2/NDF:24115895.3/45

All: 0.001+/-0.000 χ^2/NDF: 42426249.5/85



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/16

Left Out: -0.007+/-0.005 χ^2/NDF:21.8/24

Right Out: 0.003+/-0.006 χ^2/NDF: 14.6/20

Left In: 0.004+/-0.005 χ^2/NDF:23.2/22

Left: -0.001+/-0.004 χ^2/NDF: 47.1/47

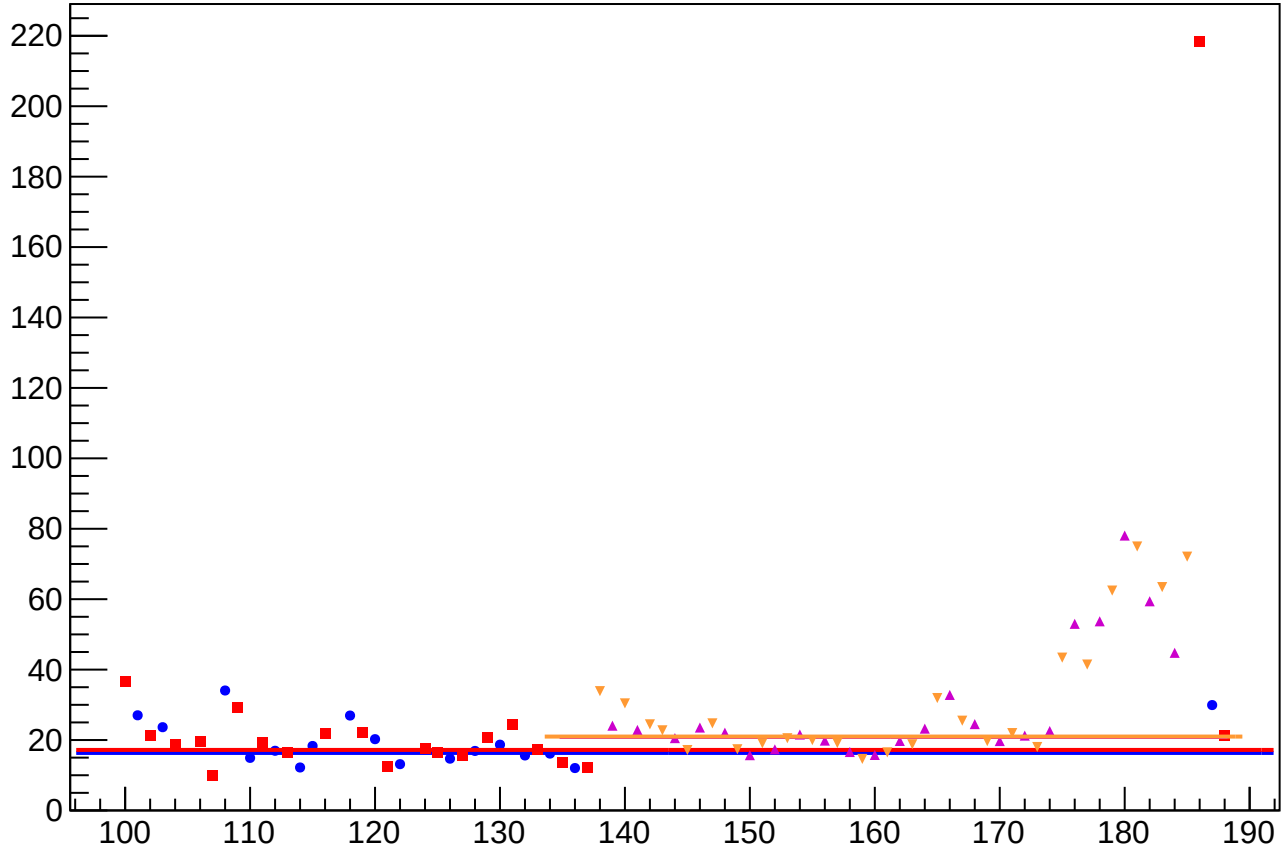
Right: 0.004+/-0.005 χ^2/NDF: 36.1/37

In: 0.004+/-0.004 χ^2/NDF:44.7/39

Out: -0.003+/-0.004 χ^2/NDF:37.7/45

All: 0.001+/-0.003 χ^2/NDF: 84.0/85

asym_sam_15_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 16.335+/-0.005 χ^2/NDF: 1019534.0/16

Left Out: 20.981+/-0.004 χ^2/NDF:4466984.6/24

Right Out: 17.190+/-0.004 χ^2/NDF: 1580379.6/20

Left In: 20.868+/-0.004 χ^2/NDF:3534923.5/22

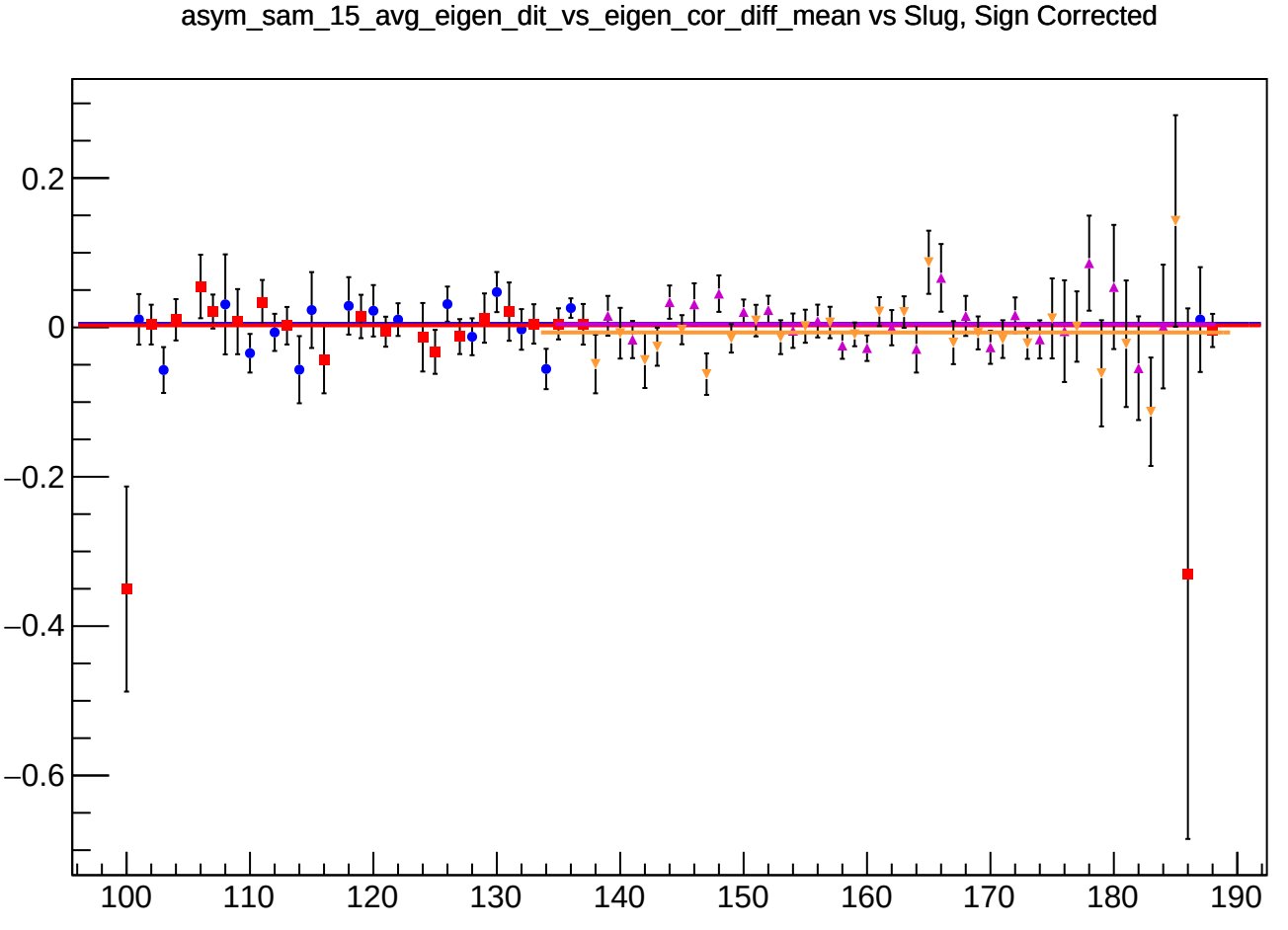
Left: 20.925+/-0.003 χ^2/NDF: 8002374.3/47

Right: 16.775+/-0.003 χ^2/NDF: 2617514.7/37

In: 19.074+/-0.003 χ^2/NDF:5135446.4/39

Out: 19.458+/-0.003 χ^2/NDF:6473914.2/45

All: 19.270+/-0.002 χ^2/NDF: 11618267.7/85



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/16

Left Out: -0.007+/-0.005 χ^2/NDF:21.8/24

Right Out: 0.003+/-0.006 χ^2/NDF: 14.6/20

Left In: 0.004+/-0.005 χ^2/NDF:23.2/22

Left: -0.001+/-0.004 χ^2/NDF: 47.1/47

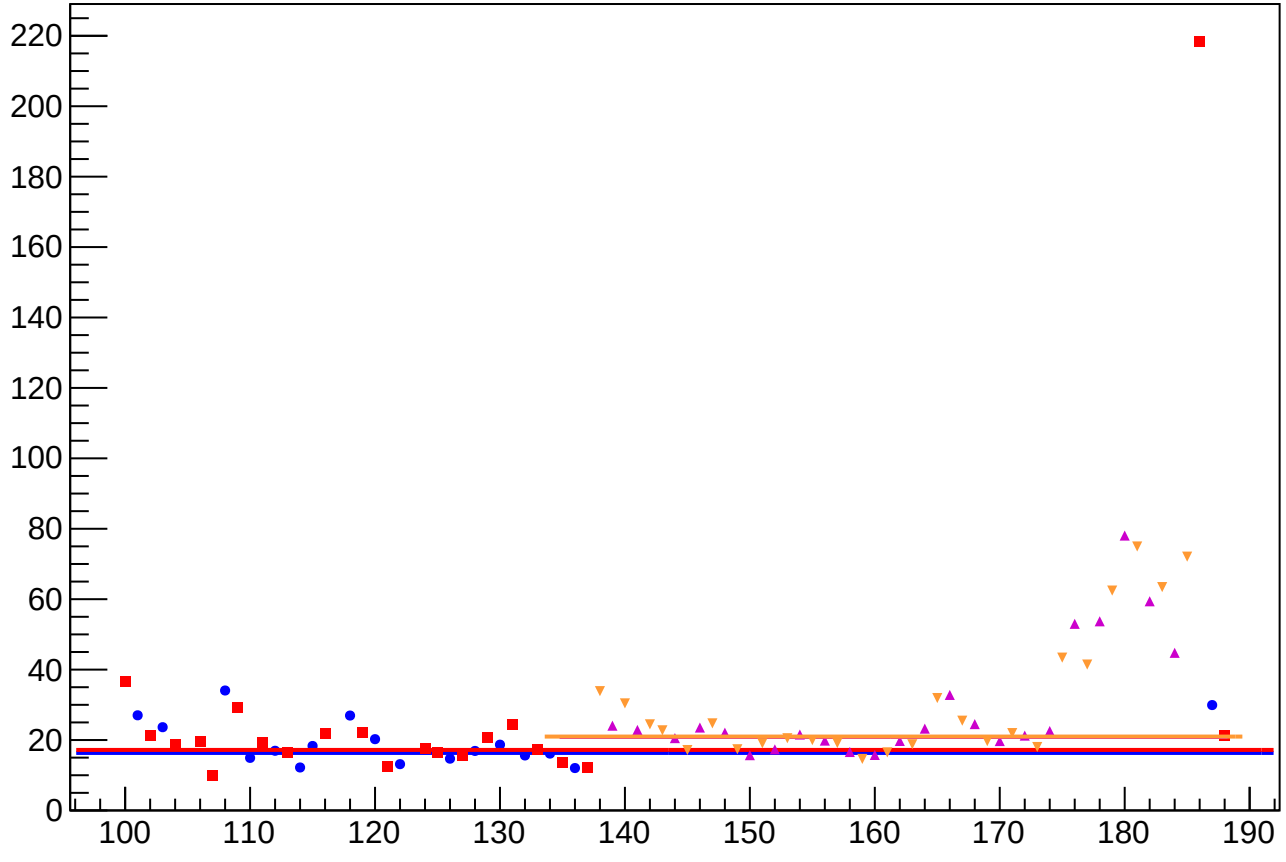
Right: 0.004+/-0.005 χ^2/NDF: 36.1/37

In: 0.004+/-0.004 χ^2/NDF:44.7/39

Out: -0.003+/-0.004 χ^2/NDF:37.7/45

All: 0.001+/-0.003 χ^2/NDF: 84.0/85

asym_sam_15_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 16.335+/-0.005 χ^2/NDF: 1019534.0/16

Left Out: 20.981+/-0.004 χ^2/NDF:4466984.6/24

Right Out: 17.190+/-0.004 χ^2/NDF: 1580379.6/20

Left In: 20.868+/-0.004 χ^2/NDF:3534923.5/22

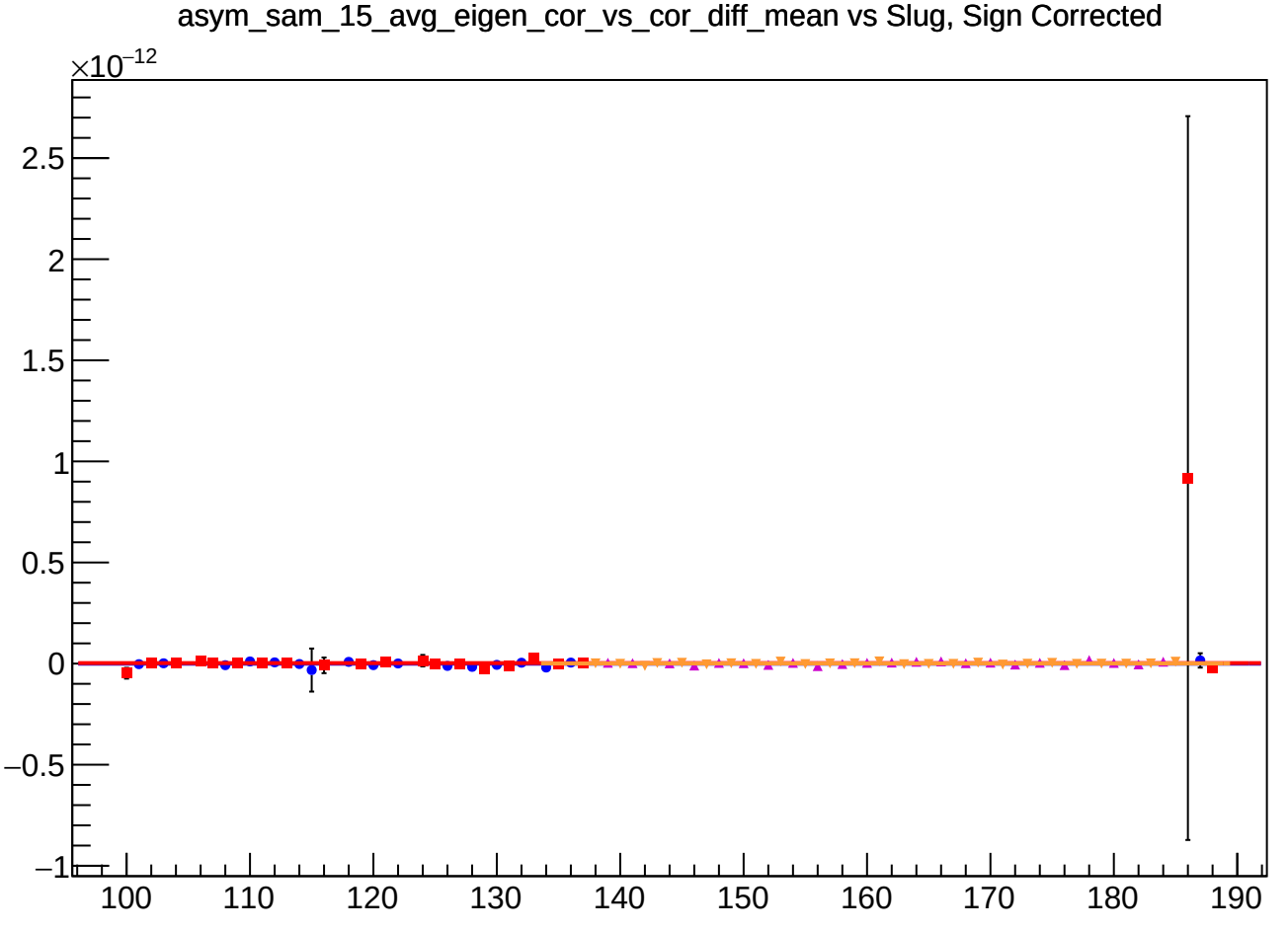
Left: 20.925+/-0.003 χ^2/NDF: 8002374.3/47

Right: 16.775+/-0.003 χ^2/NDF: 2617514.7/37

In: 19.074+/-0.003 χ^2/NDF:5135446.4/39

Out: 19.458+/-0.003 χ^2/NDF:6473914.2/45

All: 19.270+/-0.002 χ^2/NDF: 11618267.7/85



Right In: -0.000+/-0.000 χ^2/NDF: 12.5/16

Left Out: 0.000+/-0.000 χ^2/NDF:14.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 17.4/20

Left In: 0.000+/-0.000 χ^2/NDF:26.5/22

Left: 0.000+/-0.000 χ^2/NDF: 41.0/47

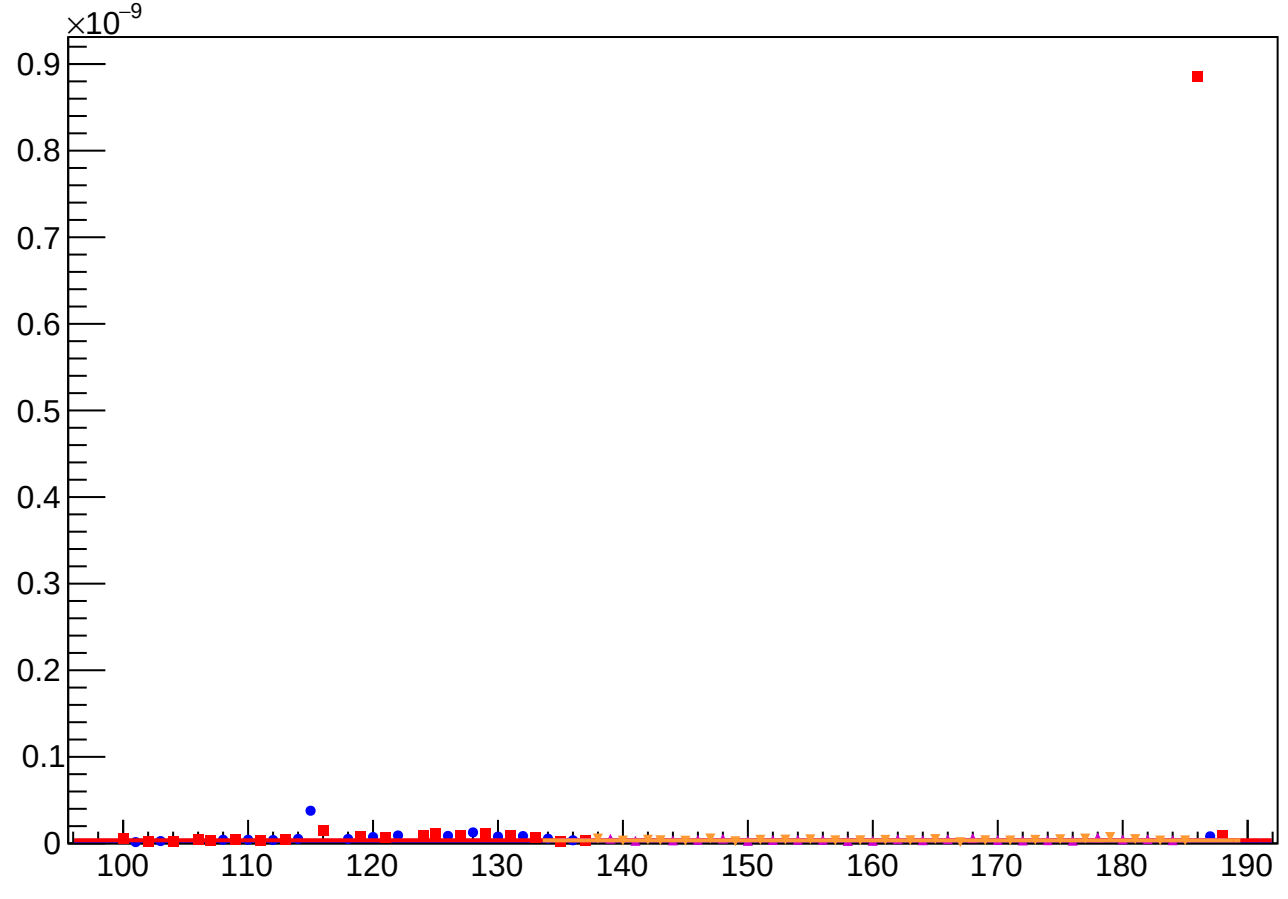
Right: 0.000+/-0.000 χ^2/NDF: 31.3/37

In: 0.000+/-0.000 χ^2/NDF:39.3/39

Out: 0.000+/-0.000 χ^2/NDF:32.8/45

All: 0.000+/-0.000 χ^2/NDF: 72.4/85

asym_sam_15_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2980105.6/16

Left Out: 0.000+/-0.000 χ^2/NDF:2527443.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3473189.9/20

Left In: 0.000+/-0.000 χ^2/NDF:1198286.8/22

Left: 0.000+/-0.000 χ^2/NDF: 3840820.1/47

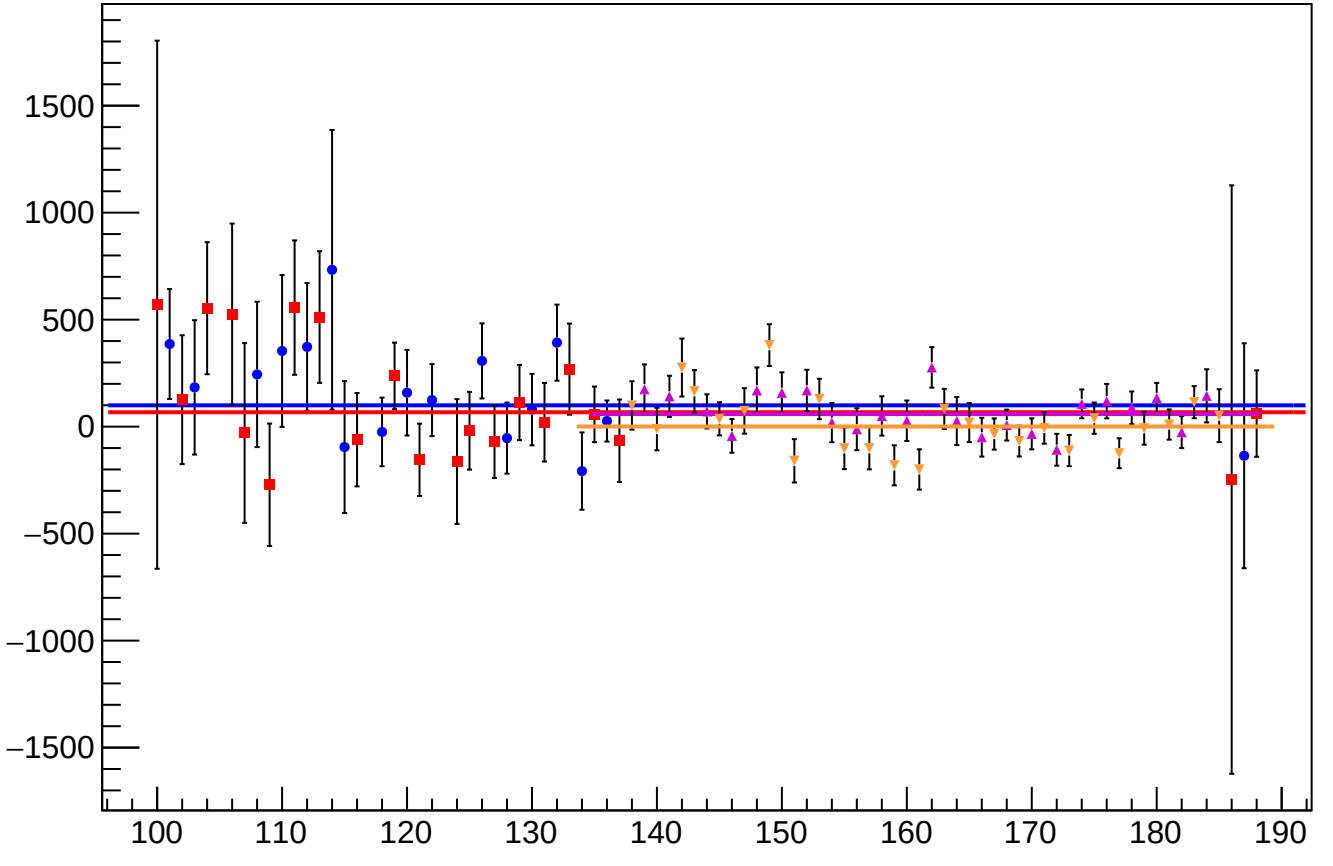
Right: 0.000+/-0.000 χ^2/NDF: 6573164.5/37

In: 0.000+/-0.000 χ^2/NDF:4547790.4/39

Out: 0.000+/-0.000 χ^2/NDF:6005926.9/45

All: 0.000+/-0.000 χ^2/NDF: 10558901.8/85

reg_asym_sam_26_avg_mean vs Slug, Sign Corrected



Right In: 99.525+/-47.436 χ^2/NDF: 13.6/16

Left Out: 0.598+/-17.319 χ^2/NDF:48.6/24

Right Out: 67.321+/-47.888 χ^2/NDF: 16.2/20

Left In: 58.907+/-17.879 χ^2/NDF:25.8/22

Left: 28.825+/-12.440 χ^2/NDF: 79.9/47

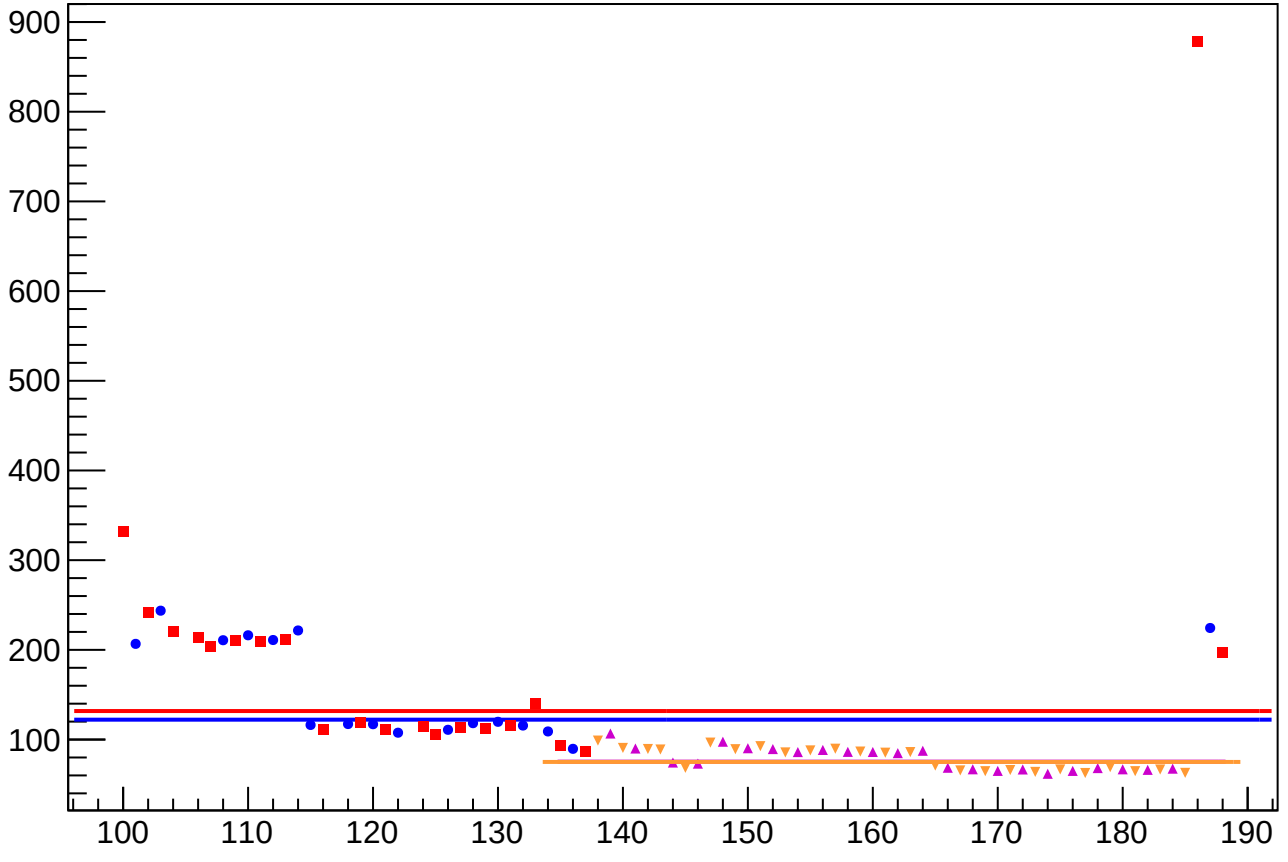
Right: 83.576+/-33.701 χ^2/NDF: 30.0/37

In: 63.959+/-16.730 χ^2/NDF:40.0/39

Out: 8.316+/-16.287 χ^2/NDF:66.5/45

All: 35.391+/-11.670 χ^2/NDF: 112.2/85

reg_asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 122.165+/-0.034 χ^2/NDF: 1362937.3/16

Left Out: 75.041+/-0.012 χ^2/NDF:928107.8/24

Right Out: 131.781+/-0.034 χ^2/NDF: 2286839.1/20

Left In: 75.352+/-0.013 χ^2/NDF:837634.2/22

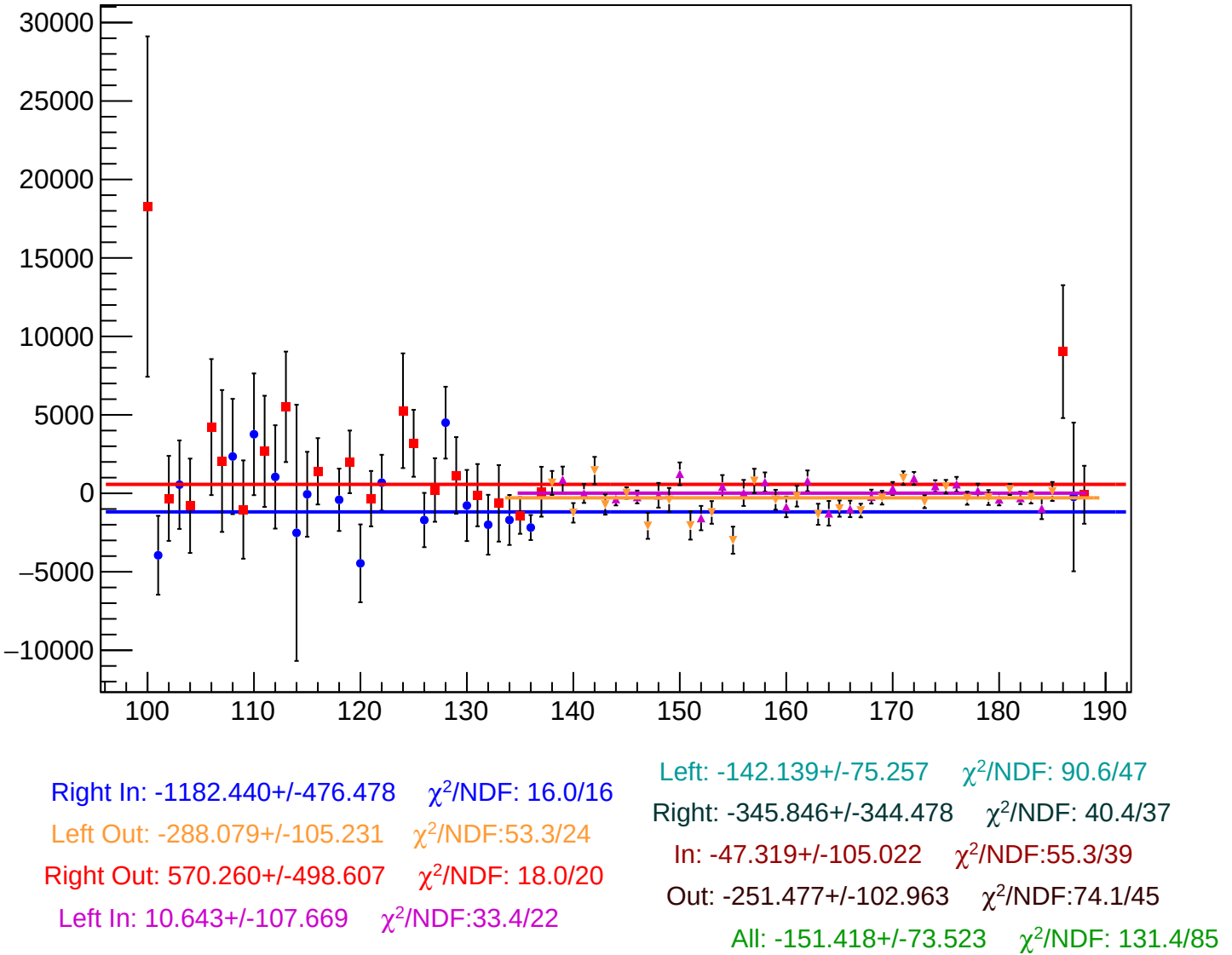
Left: 75.192+/-0.009 χ^2/NDF: 1766053.8/47

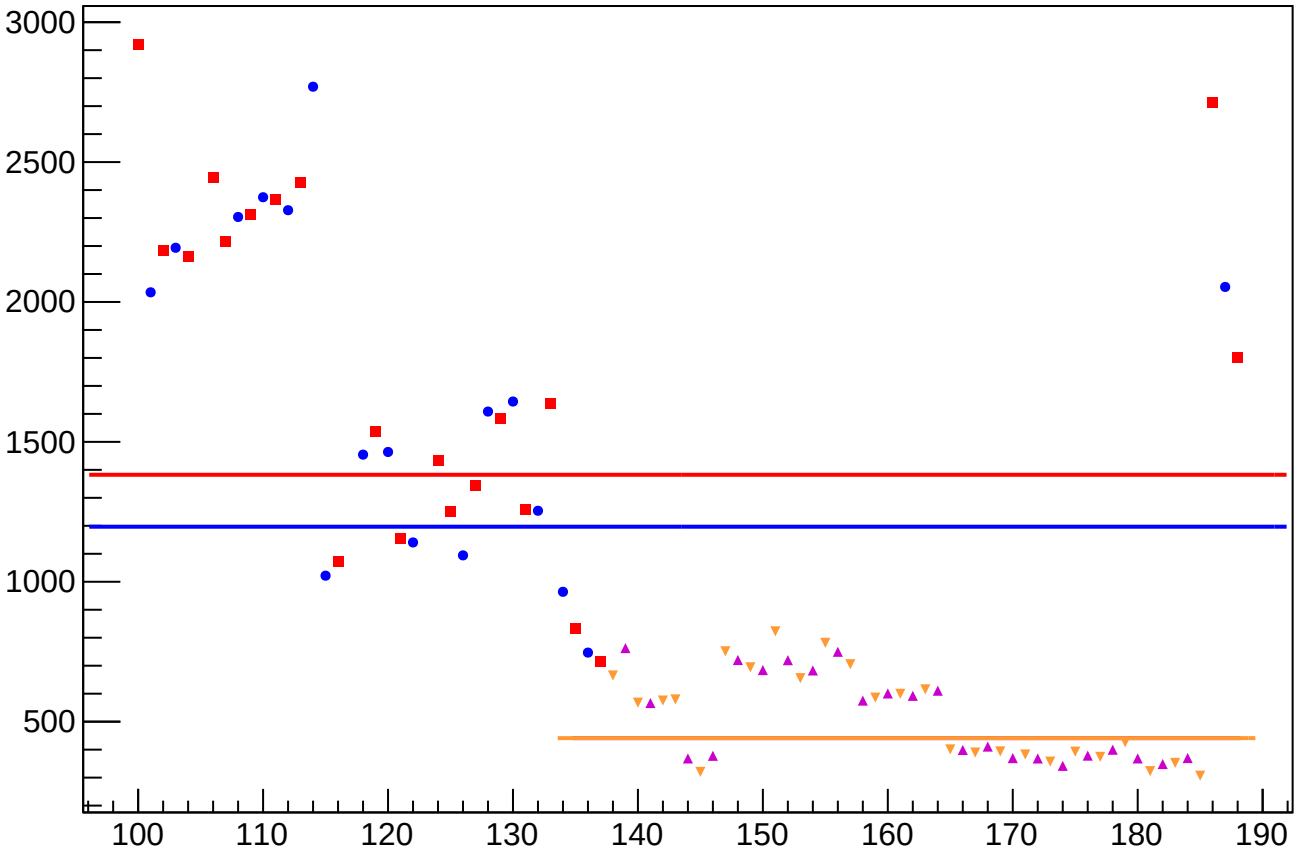
Right: 126.927+/-0.024 χ^2/NDF: 3690479.5/37

In: 81.175+/-0.012 χ^2/NDF:3906076.1/39

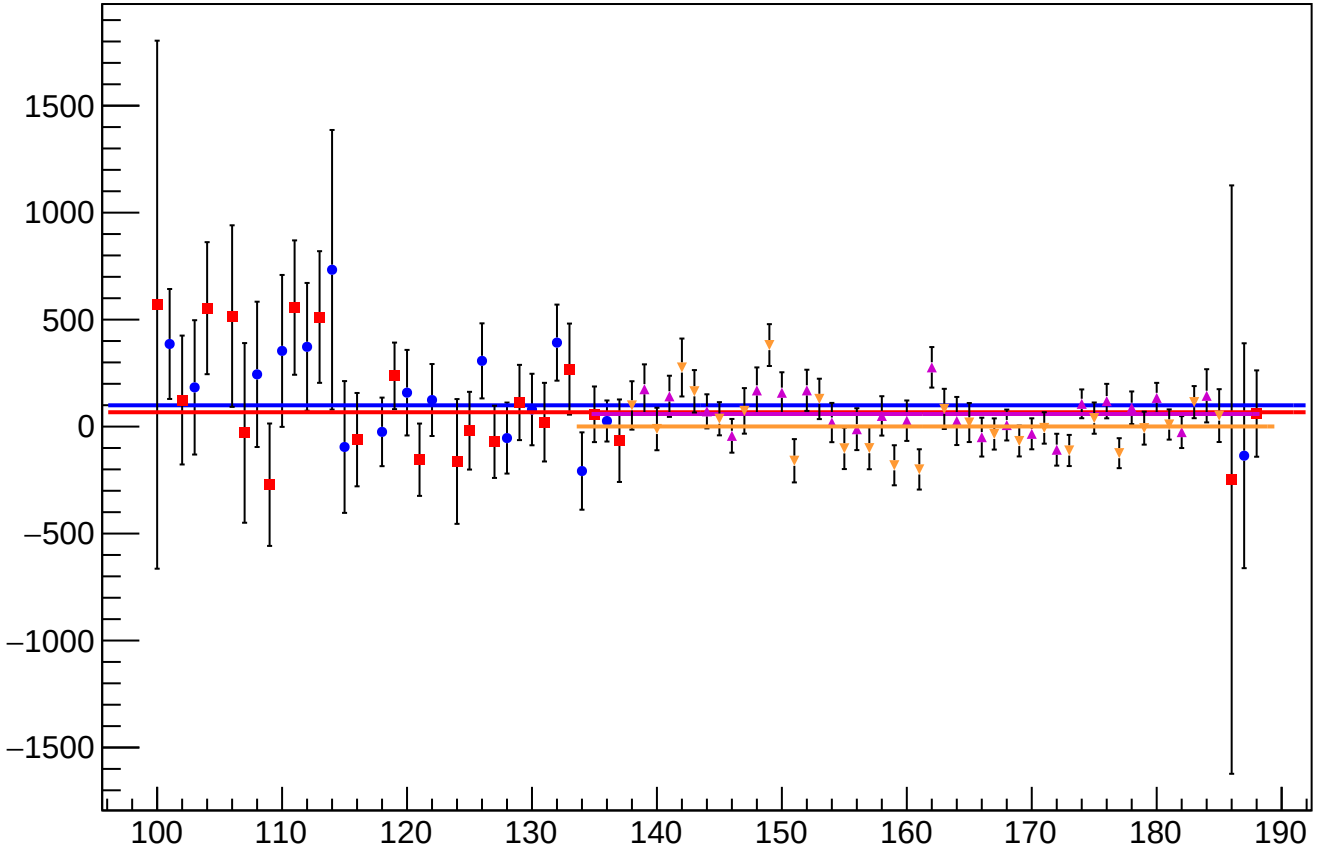
Out: 81.604+/-0.012 χ^2/NDF:5697879.5/45

All: 81.395+/-0.008 χ^2/NDF: 9604632.0/85


asym_sam_26_avg_reg_correction_mean vs Slug, Sign Corrected
30000
25000
20000
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
180
190
Right In: -1182.440+/-476.478 χ²/NDF: 16.0/16
Left Out: -288.079+/-105.231 χ²/NDF:53.3/24
Right Out: 570.260+/-498.607 χ²/NDF: 18.0/20
Left In: 10.643+/-107.669 χ²/NDF:33.4/22
Left: -142.139+/-75.257 χ²/NDF: 90.6/47
Right: -345.846+/-344.478 χ²/NDF: 40.4/37
In: -47.319+/-105.022 χ²/NDF:55.3/39
Out: -251.477+/-102.963 χ²/NDF:74.1/45
All: -151.418+/-73.523 χ²/NDF: 131.4/85


asym_sam_26_avg_reg_correction_rms vs Slug, Sign Corrected
3000
2500
2000
1500
1000
500
100
110
120
130
140
150
160
170
180
190
Right In: 1196.832+/-0.337 χ²/NDF: 2110784.0/16
Left Out: 441.128+/-0.074 χ²/NDF:3234629.2/24
Right Out: 1382.454+/-0.353 χ²/NDF: 2279022.3/20
Left In: 441.196+/-0.076 χ²/NDF:2682075.8/22
Left: 441.161+/-0.053 χ²/NDF: 5916705.4/47
Right: 1285.433+/-0.244 χ²/NDF: 4534687.1/37
In: 477.906+/-0.074 χ²/NDF:9578509.9/39
Out: 481.269+/-0.073 χ²/NDF:12338089.8/45
All: 479.621+/-0.052 χ²/NDF: 21917645.6/85

cor_asym_sam_26_avg_mean vs Slug, Sign Corrected



Right In: 99.511+/-47.436 χ^2/NDF: 13.6/16

Left Out: 0.598+/-17.319 χ^2/NDF:48.6/24

Right Out: 67.106+/-47.891 χ^2/NDF: 16.1/20

Left In: 58.904+/-17.879 χ^2/NDF:25.8/22

Left: 28.824+/-12.440 χ^2/NDF: 79.9/47

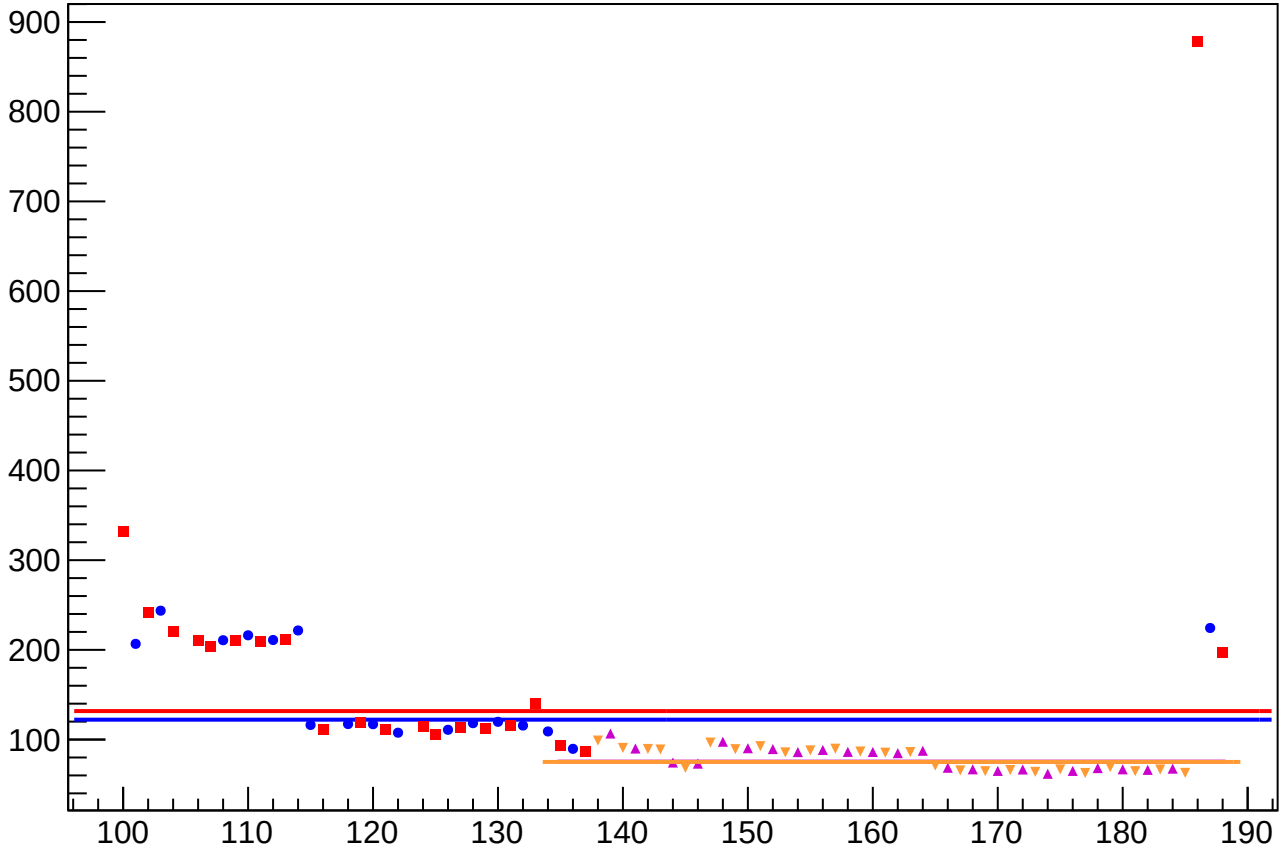
Right: 83.463+/-33.702 χ^2/NDF: 29.9/37

In: 63.955+/-16.730 χ^2/NDF:40.0/39

Out: 8.290+/-16.287 χ^2/NDF:66.4/45

All: 35.376+/-11.670 χ^2/NDF: 112.1/85

cor_asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 122.165+/-0.034 χ^2/NDF: 1362939.8/16

Left Out: 75.041+/-0.012 χ^2/NDF:928107.8/24

Right Out: 131.734+/-0.034 χ^2/NDF: 2281120.9/20

Left In: 75.352+/-0.013 χ^2/NDF:837634.2/22

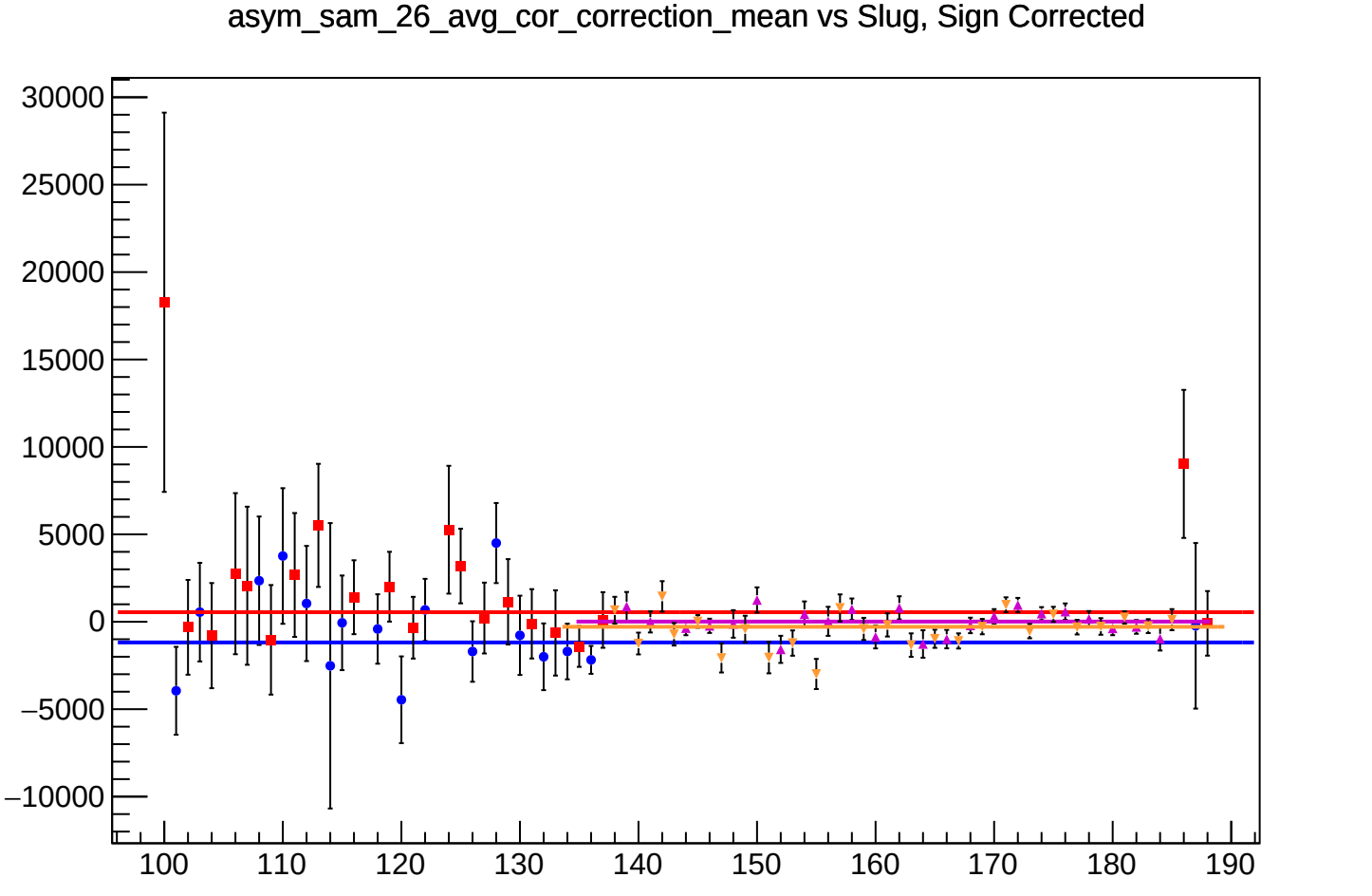
Left: 75.192+/-0.009 χ^2/NDF: 1766053.7/47

Right: 126.904+/-0.024 χ^2/NDF: 3684368.2/37

In: 81.175+/-0.012 χ^2/NDF:3906078.1/39

Out: 81.598+/-0.012 χ^2/NDF:5687829.1/45

All: 81.392+/-0.008 χ^2/NDF: 9594564.5/85



Right In: -1182.417+/-476.479 χ^2/NDF: 16.0/16

Left Out: -288.079+/-105.231 χ^2/NDF:53.3/24

Right Out: 547.644+/-498.998 χ^2/NDF: 17.5/20

Left In: 10.644+/-107.670 χ^2/NDF:33.4/22

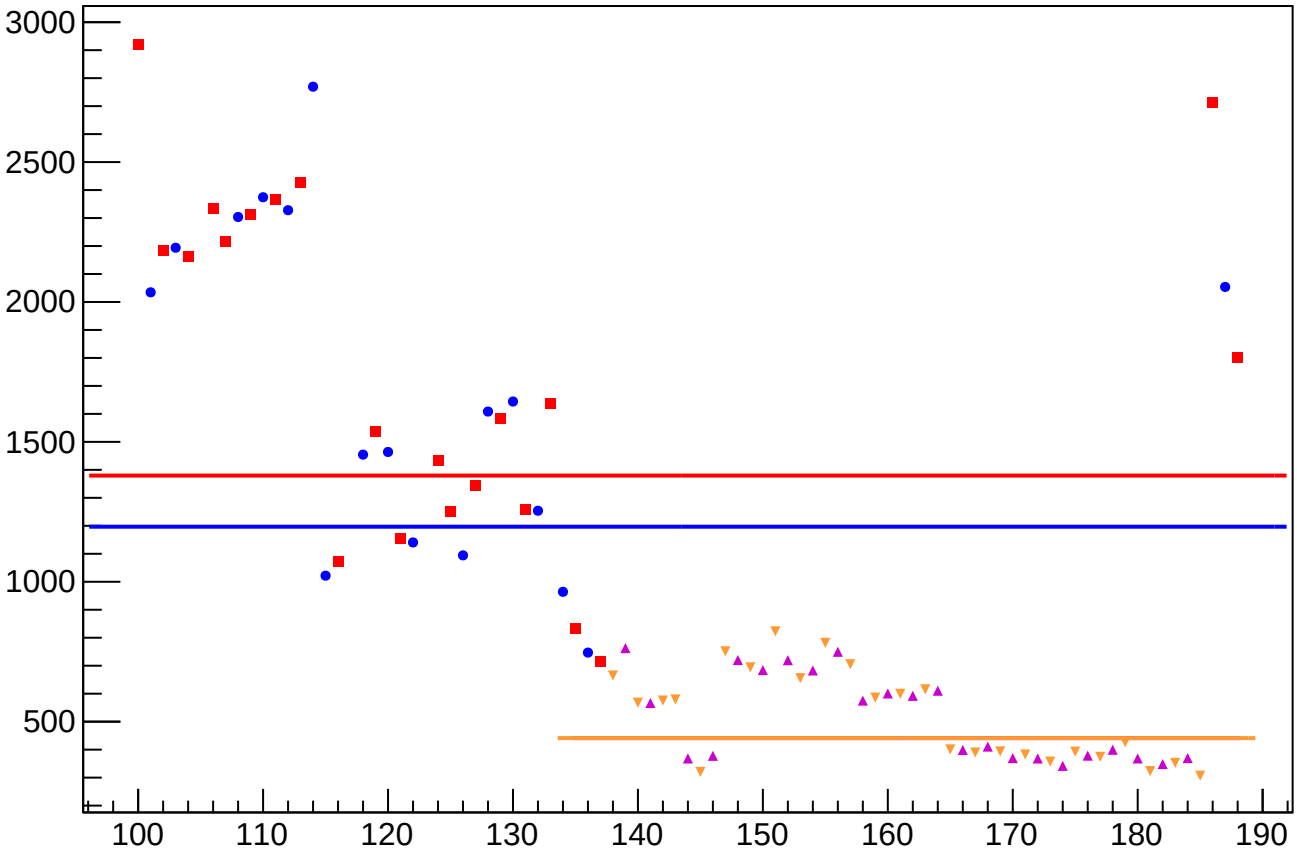
Left: -142.138+/-75.257 χ^2/NDF: 90.6/47

Right: -357.304+/-344.607 χ^2/NDF: 39.8/37

In: -47.316+/-105.022 χ^2/NDF:55.3/39

Out: -252.494+/-102.967 χ^2/NDF:73.5/45

All: -151.932+/-73.524 χ^2/NDF: 130.8/85



Right In: 1196.832+/-0.337 χ^2/NDF: 2110814.5/16

Left Out: 441.128+/-0.074 χ^2/NDF:3234622.5/24

Right Out: 1379.569+/-0.353 χ^2/NDF: 2244782.5/20

Left In: 441.196+/-0.076 χ^2/NDF:2682073.9/22

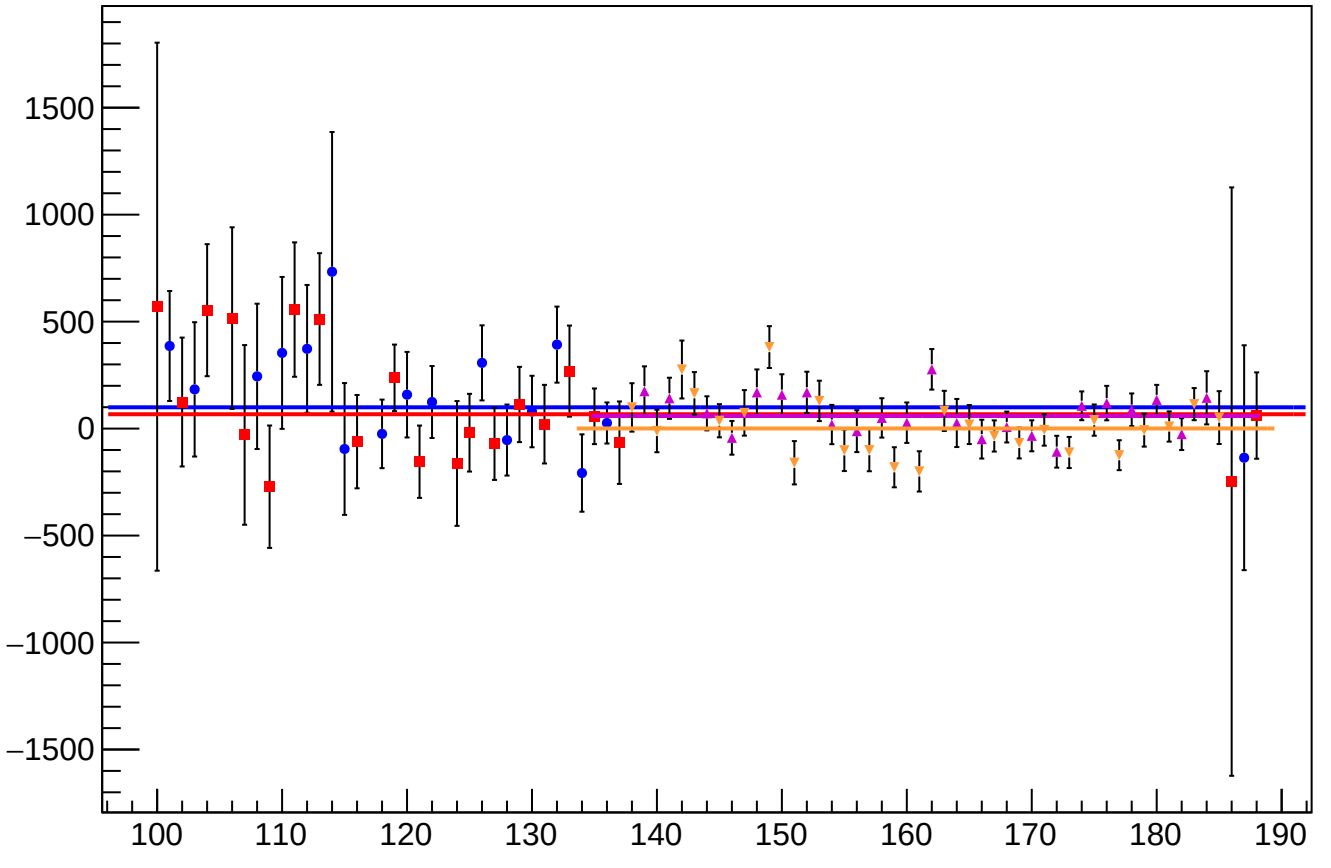
Left: 441.162+/-0.053 χ^2/NDF: 5916696.8/47

Right: 1283.984+/-0.244 χ^2/NDF: 4495893.9/37

In: 477.906+/-0.074 χ^2/NDF:9578520.3/39

Out: 481.086+/-0.073 χ^2/NDF:12251905.8/45

All: 479.528+/-0.052 χ^2/NDF: 21831361.3/85



Right In: 99.511+/-47.436 χ^2/NDF: 13.6/16

Left Out: 0.598+/-17.319 χ^2/NDF:48.6/24

Right Out: 67.106+/-47.891 χ^2/NDF: 16.1/20

Left In: 58.904+/-17.879 χ^2/NDF:25.8/22

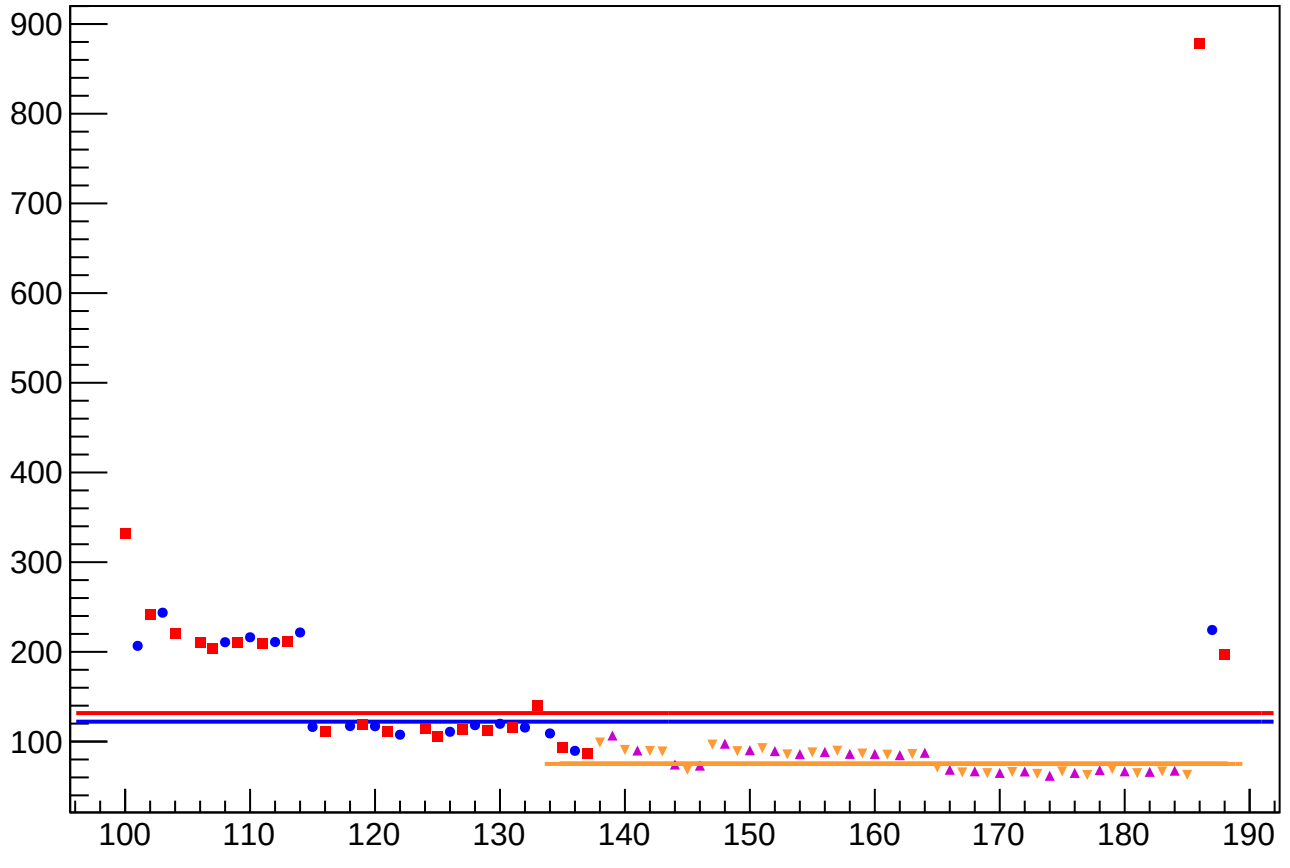
Left: 28.824+/-12.440 χ^2/NDF: 79.9/47

Right: 83.463+/-33.702 χ^2/NDF: 29.9/37

In: 63.955+/-16.730 χ^2/NDF:40.0/39

Out: 8.290+/-16.287 χ^2/NDF:66.4/45

All: 35.376+/-11.670 χ^2/NDF: 112.1/85



Right In: 122.165+/-0.034 χ^2/NDF: 1362939.8/16

Left Out: 75.041+/-0.012 χ^2/NDF:928107.8/24

Right Out: 131.734+/-0.034 χ^2/NDF: 2281120.9/20

Left In: 75.352+/-0.013 χ^2/NDF:837634.2/22

Left: 75.192+/-0.009 χ^2/NDF: 1766053.7/47

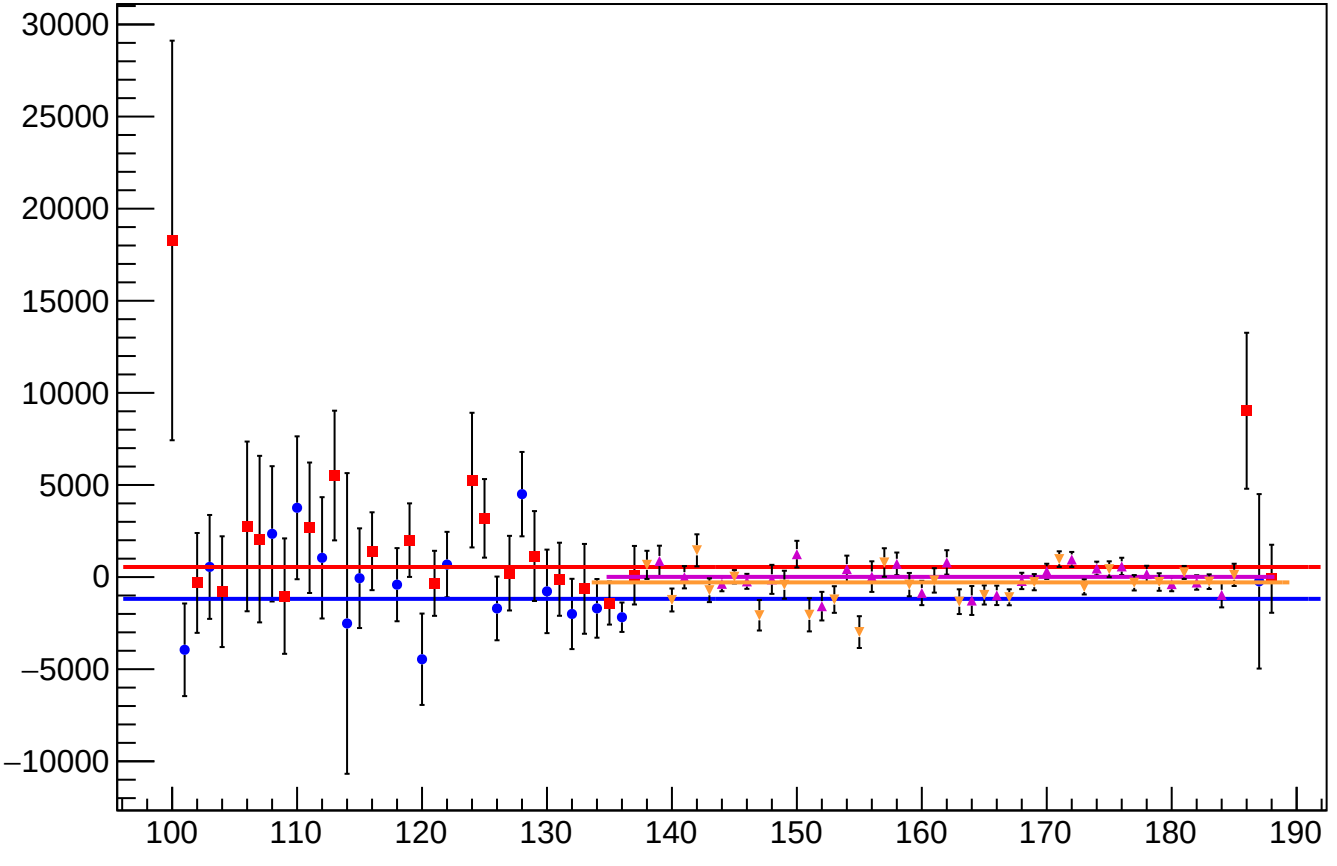
Right: 126.904+/-0.024 χ^2/NDF: 3684368.2/37

In: 81.175+/-0.012 χ^2/NDF:3906078.1/39

Out: 81.598+/-0.012 χ^2/NDF:5687829.1/45

All: 81.392+/-0.008 χ^2/NDF: 9594564.5/85

asym_sam_26_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -1182.417+/-476.479 χ^2/NDF: 16.0/16

Left Out: -288.079+/-105.231 χ^2/NDF:53.3/24

Right Out: 547.644+/-498.998 χ^2/NDF: 17.5/20

Left In: 10.644+/-107.670 χ^2/NDF:33.4/22

Left: -142.138+/-75.257 χ^2/NDF: 90.6/47

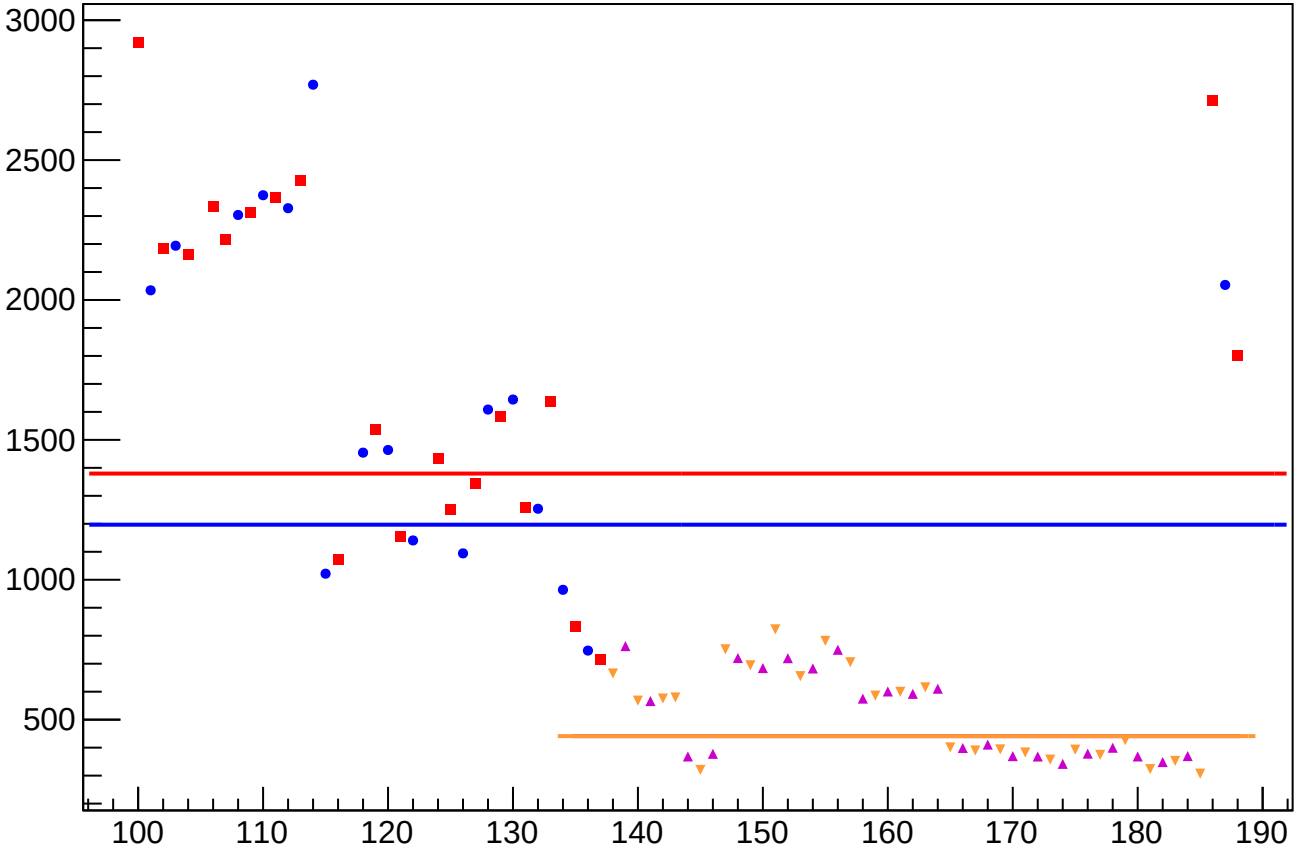
Right: -357.304+/-344.607 χ^2/NDF: 39.8/37

In: -47.316+/-105.022 χ^2/NDF:55.3/39

Out: -252.494+/-102.967 χ^2/NDF:73.5/45

All: -151.932+/-73.524 χ^2/NDF: 130.8/85

asym_sam_26_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1196.832+/-0.337 χ^2/NDF: 2110814.5/16

Left Out: 441.128+/-0.074 χ^2/NDF:3234622.5/24

Right Out: 1379.569+/-0.353 χ^2/NDF: 2244782.5/20

Left In: 441.196+/-0.076 χ^2/NDF:2682073.9/22

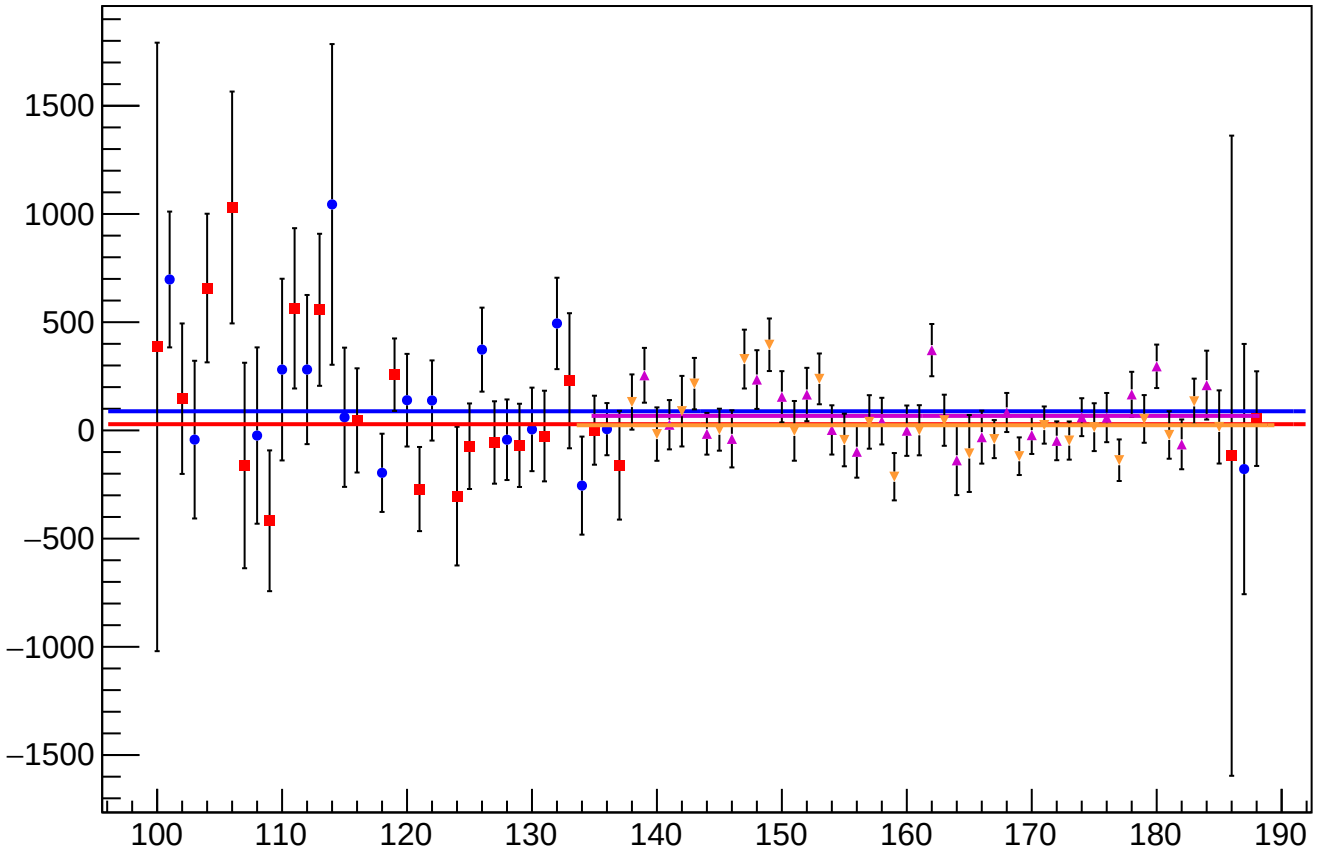
Left: 441.162+/-0.053 χ^2/NDF: 5916696.8/47

Right: 1283.984+/-0.244 χ^2/NDF: 4495893.9/37

In: 477.906+/-0.074 χ^2/NDF:9578520.3/39

Out: 481.086+/-0.073 χ^2/NDF:12251905.8/45

All: 479.528+/-0.052 χ^2/NDF: 21831361.3/85



Right In: 88.441+/-55.310 χ^2/NDF: 18.3/16

Left Out: 23.873+/-22.414 χ^2/NDF:35.2/24

Right Out: 28.703+/-55.133 χ^2/NDF: 20.6/20

Left In: 67.086+/-23.121 χ^2/NDF:28.6/22

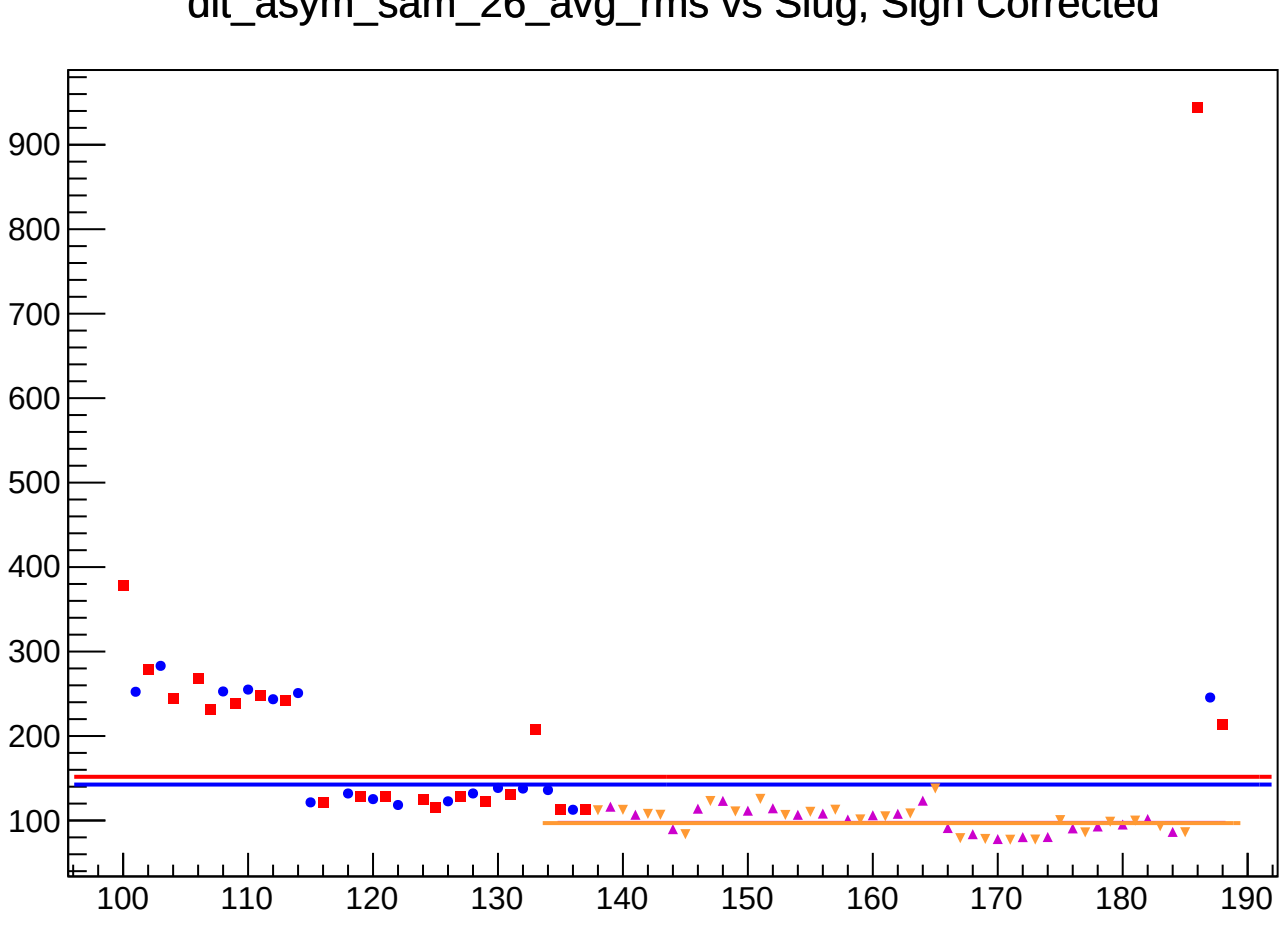
Left: 44.809+/-16.093 χ^2/NDF: 65.6/47

Right: 58.477+/-39.047 χ^2/NDF: 39.5/37

In: 70.262+/-21.332 χ^2/NDF:47.1/39

Out: 24.558+/-20.764 χ^2/NDF:55.8/45

All: 46.793+/-14.879 χ^2/NDF: 105.2/85



Right In: 142.538+/-0.039 χ^2/NDF: 1326473.6/16

Left Out: 96.907+/-0.016 χ^2/NDF:933980.7/24

Right Out: 151.718+/-0.039 χ^2/NDF: 2262850.0/20

Left In: 97.167+/-0.016 χ^2/NDF:674595.2/22

Left: 97.033+/-0.011 χ^2/NDF: 1608706.5/47

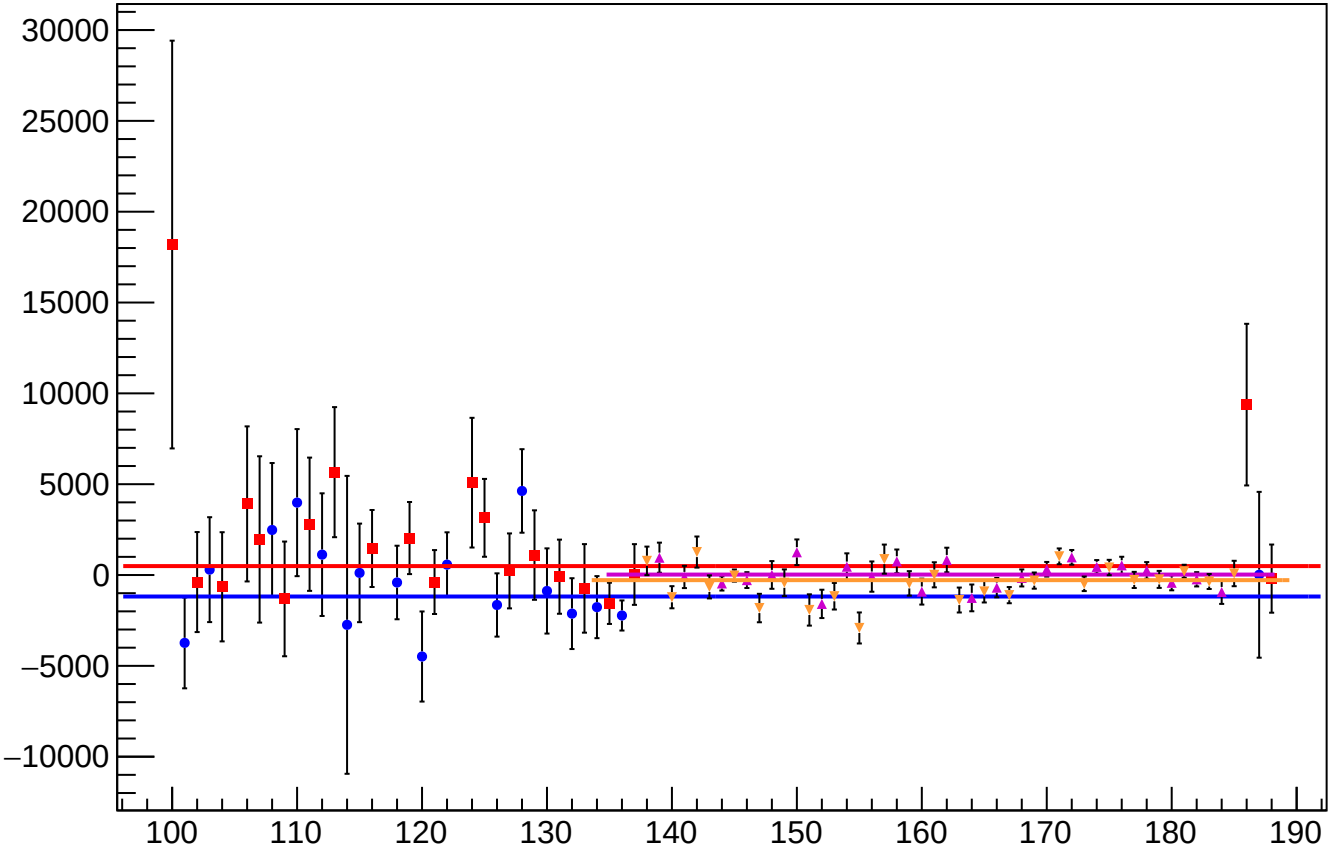
Right: 147.143+/-0.028 χ^2/NDF: 3616960.7/37

In: 103.916+/-0.015 χ^2/NDF:3146658.3/39

Out: 104.681+/-0.015 χ^2/NDF:4893151.5/45

All: 104.309+/-0.011 χ^2/NDF: 8041130.5/85

asym_sam_26_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -1182.798+/-488.561 χ^2/NDF: 16.0/16

Left Out: -282.422+/-106.394 χ^2/NDF:50.4/24

Right Out: 491.627+/-501.318 χ^2/NDF: 18.4/20

Left In: 24.625+/-108.884 χ^2/NDF:32.9/22

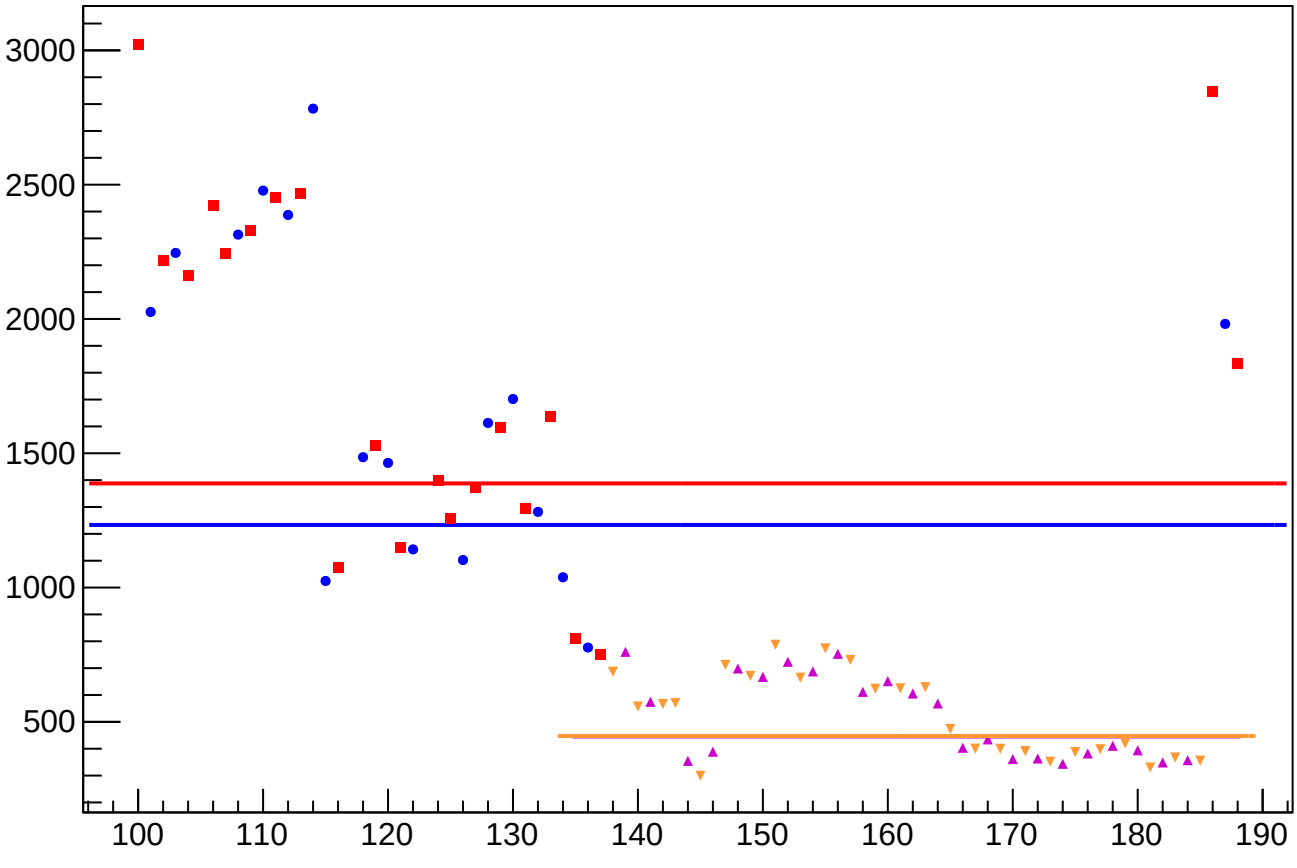
Left: -132.449+/-76.097 χ^2/NDF: 87.4/47

Right: -367.162+/-349.888 χ^2/NDF: 40.2/37

In: -32.509+/-106.276 χ^2/NDF:54.8/39

Out: -249.061+/-104.076 χ^2/NDF:71.1/45

All: -143.050+/-74.359 χ^2/NDF: 128.0/85



Right In: 1233.147+/-0.345 χ^2/NDF: 2013785.6/16

Left Out: 447.386+/-0.075 χ^2/NDF:3197771.9/24

Right Out: 1387.721+/-0.354 χ^2/NDF: 2344578.9/20

Left In: 445.491+/-0.077 χ^2/NDF:2713295.1/22

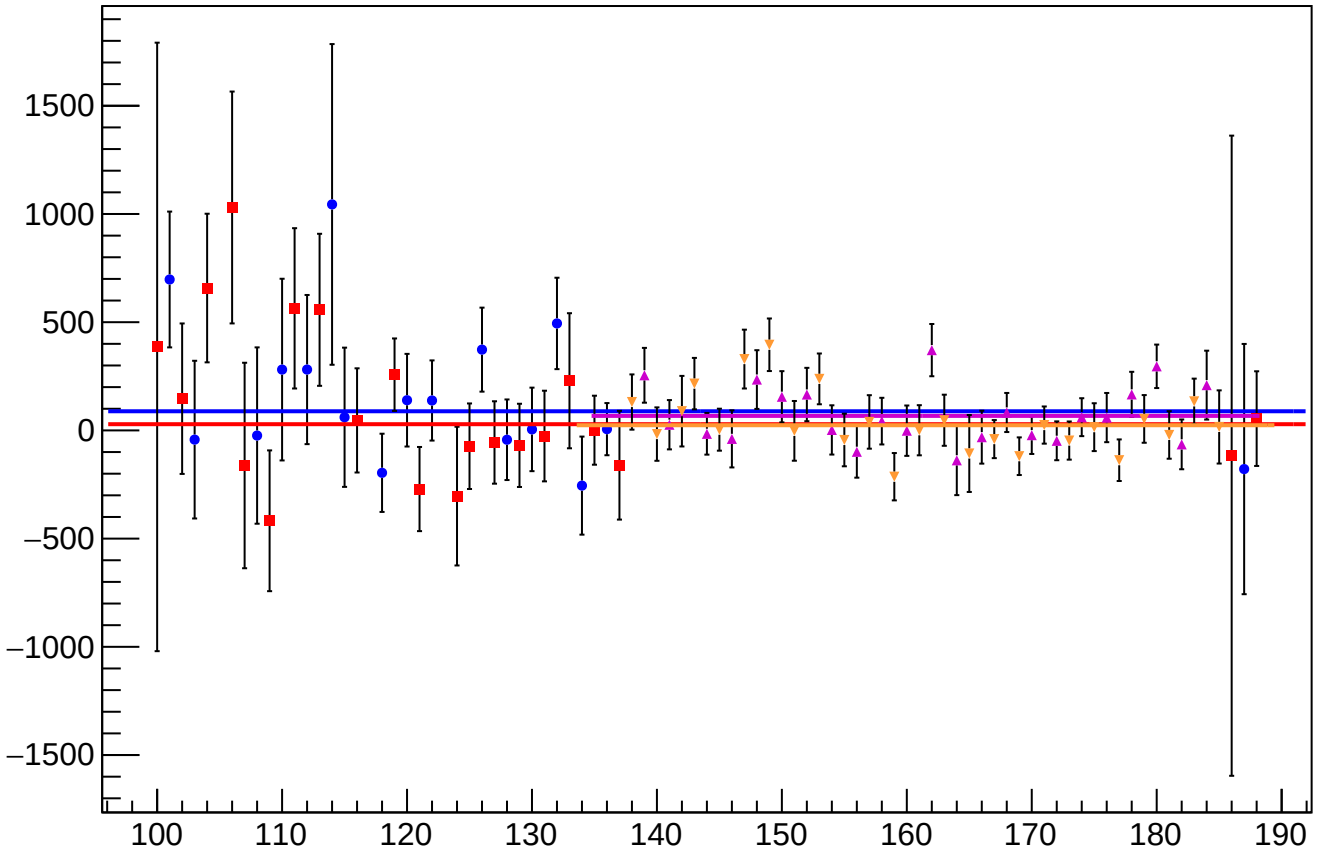
Left: 446.460+/-0.054 χ^2/NDF: 5911376.8/47

Right: 1308.442+/-0.247 χ^2/NDF: 4455885.0/37

In: 482.762+/-0.075 χ^2/NDF:9679452.4/39

Out: 487.914+/-0.074 χ^2/NDF:12275755.7/45

All: 485.392+/-0.053 χ^2/NDF: 21957607.0/85



Right In: 88.444+/-55.309 χ^2/NDF: 18.3/16

Left Out: 23.872+/-22.414 χ^2/NDF:35.2/24

Right Out: 28.704+/-55.133 χ^2/NDF: 20.6/20

Left In: 67.085+/-23.121 χ^2/NDF:28.6/22

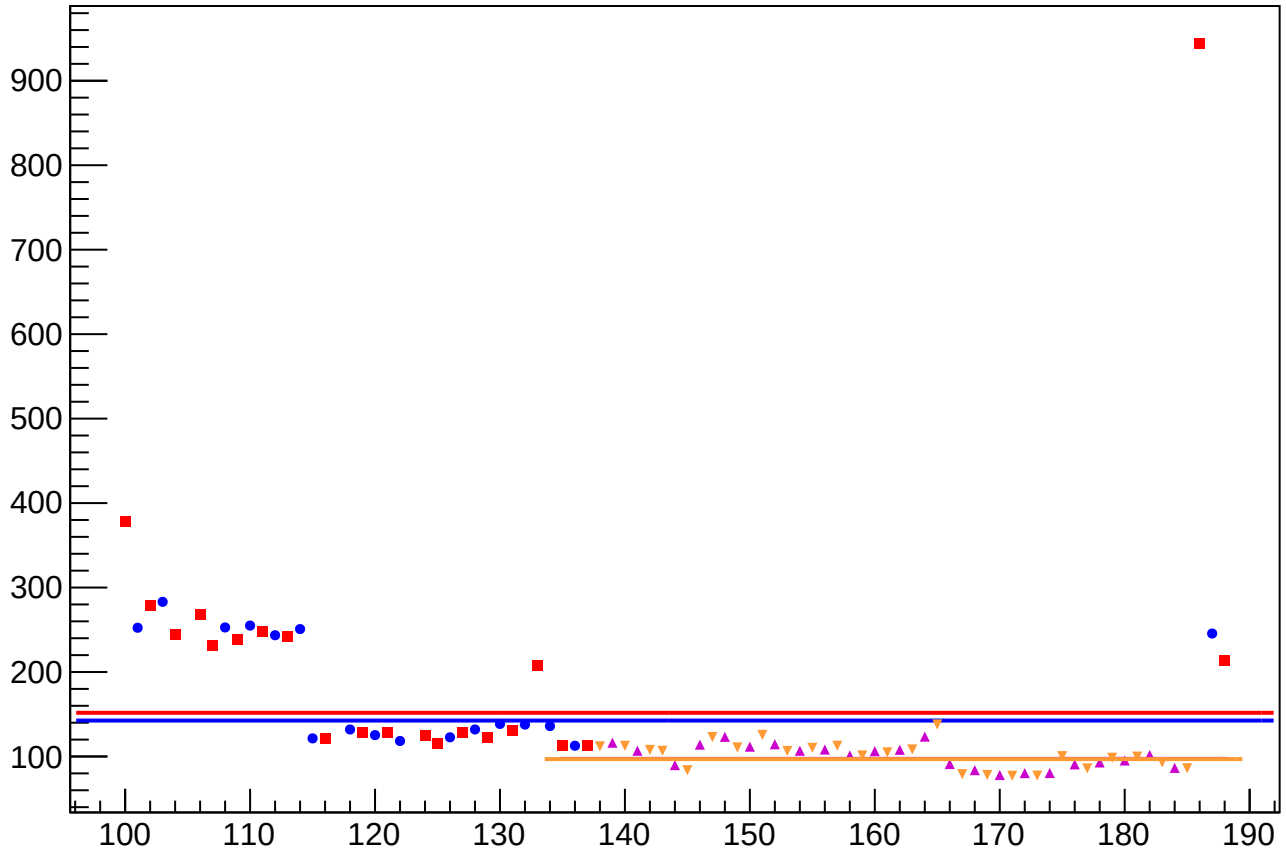
Left: 44.808+/-16.093 χ^2/NDF: 65.6/47

Right: 58.478+/-39.047 χ^2/NDF: 39.5/37

In: 70.262+/-21.332 χ^2/NDF:47.1/39

Out: 24.557+/-20.764 χ^2/NDF:55.8/45

All: 46.793+/-14.879 χ^2/NDF: 105.2/85



Right In: 142.537+/-0.039 χ^2/NDF: 1326458.8/16

Left Out: 96.907+/-0.016 χ^2/NDF:933979.3/24

Right Out: 151.718+/-0.039 χ^2/NDF: 2262839.2/20

Left In: 97.168+/-0.016 χ^2/NDF:674586.0/22

Left: 97.034+/-0.011 χ^2/NDF: 1608696.0/47

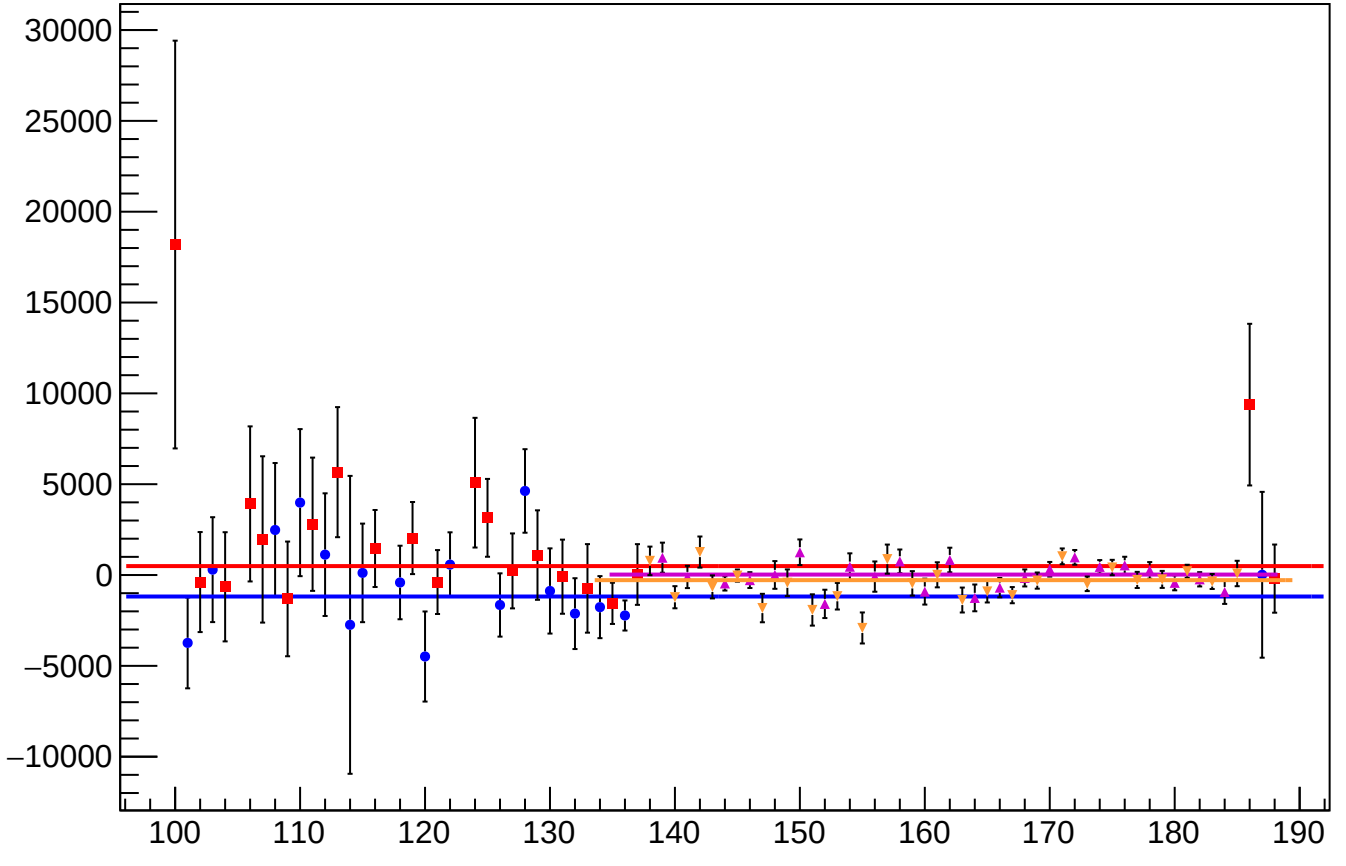
Right: 147.142+/-0.028 χ^2/NDF: 3616937.3/37

In: 103.917+/-0.015 χ^2/NDF:3146590.3/39

Out: 104.682+/-0.015 χ^2/NDF:4893106.4/45

All: 104.309+/-0.011 χ^2/NDF: 8041017.2/85

asym_sam_26_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -1182.794+/-488.560 χ^2/NDF: 16.0/16

Left Out: -282.421+/-106.394 χ^2/NDF:50.4/24

Right Out: 491.629+/-501.318 χ^2/NDF: 18.4/20

Left In: 24.626+/-108.884 χ^2/NDF:32.9/22

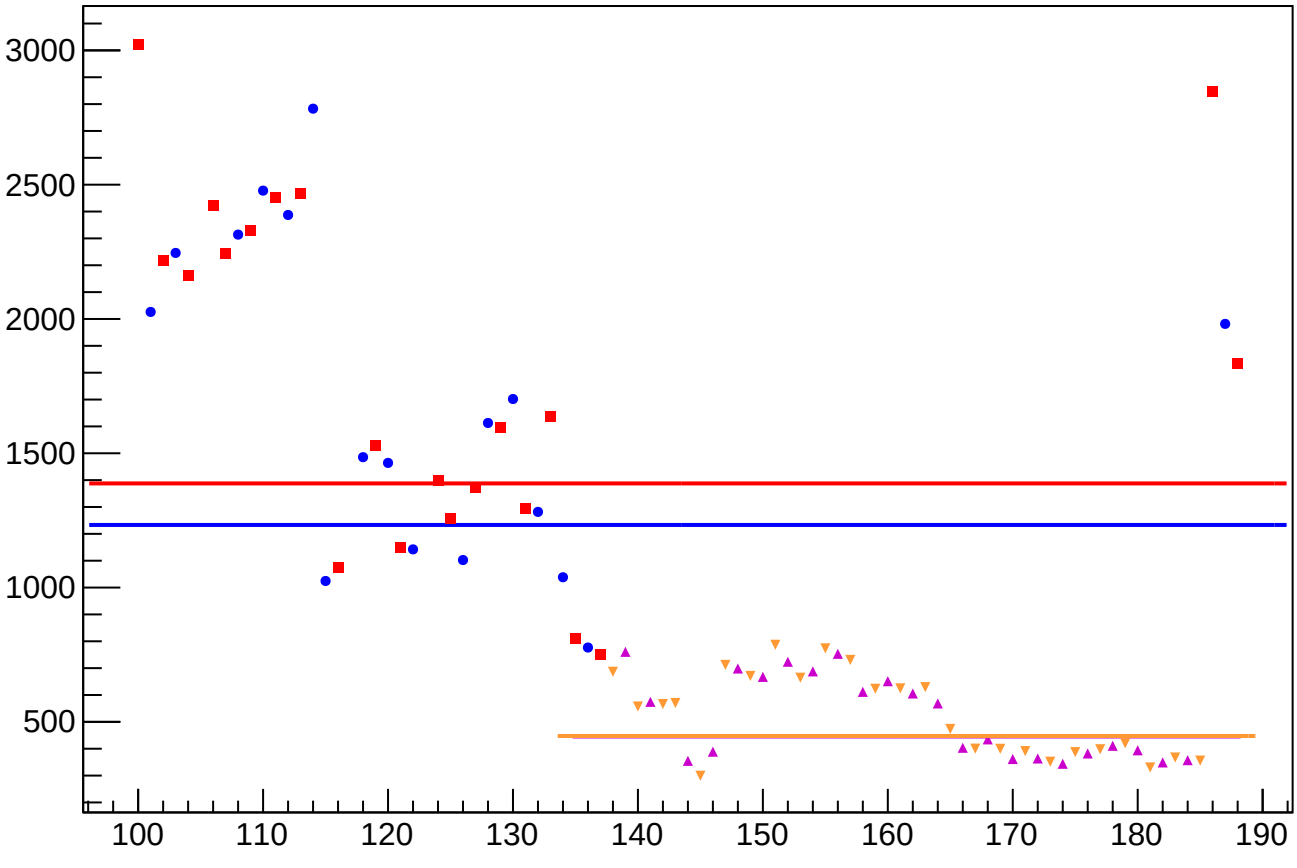
Left: -132.448+/-76.097 χ^2/NDF: 87.4/47

Right: -367.159+/-349.887 χ^2/NDF: 40.2/37

In: -32.508+/-106.276 χ^2/NDF:54.8/39

Out: -249.060+/-104.076 χ^2/NDF:71.1/45

All: -143.049+/-74.359 χ^2/NDF: 128.0/85



Right In: 1233.146+/-0.345 χ^2/NDF: 2013764.4/16

Left Out: 447.385+/-0.075 χ^2/NDF:3197793.9/24

Right Out: 1387.720+/-0.354 χ^2/NDF: 2344562.9/20

Left In: 445.491+/-0.077 χ^2/NDF:2713303.9/22

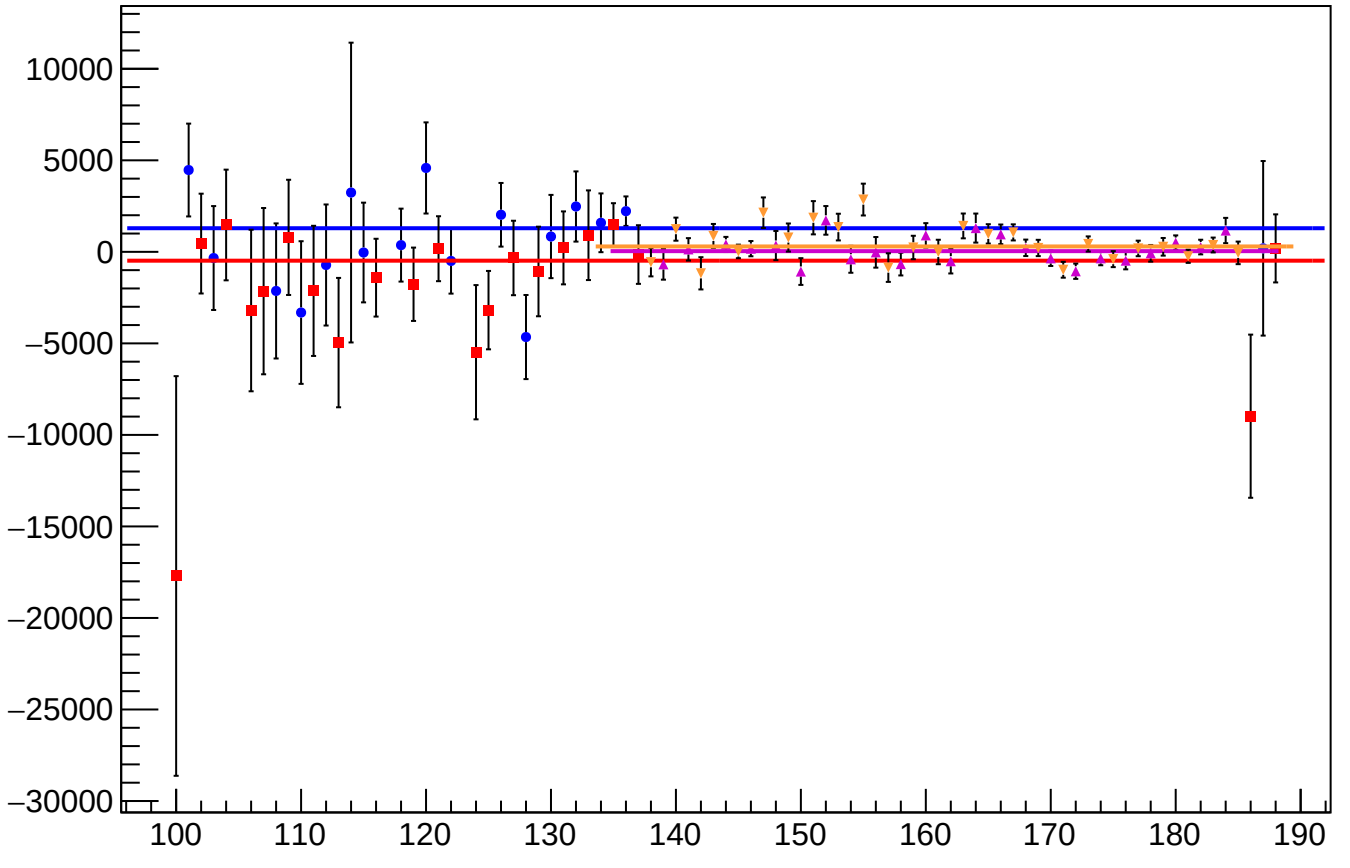
Left: 446.460+/-0.054 χ^2/NDF: 5911407.5/47

Right: 1308.441+/-0.247 χ^2/NDF: 4455847.8/37

In: 482.762+/-0.075 χ^2/NDF:9679449.3/39

Out: 487.914+/-0.074 χ^2/NDF:12275771.8/45

All: 485.392+/-0.053 χ^2/NDF: 21957619.9/85



Right In: 1290.412+/-479.515 χ^2/NDF: 16.5/16

Left Out: 295.006+/-106.810 χ^2/NDF:50.5/24

Right Out: -482.542+/-501.608 χ^2/NDF: 16.8/20

Left In: 38.107+/-109.315 χ^2/NDF:32.9/22

Left: 169.535+/-76.396 χ^2/NDF: 86.3/47

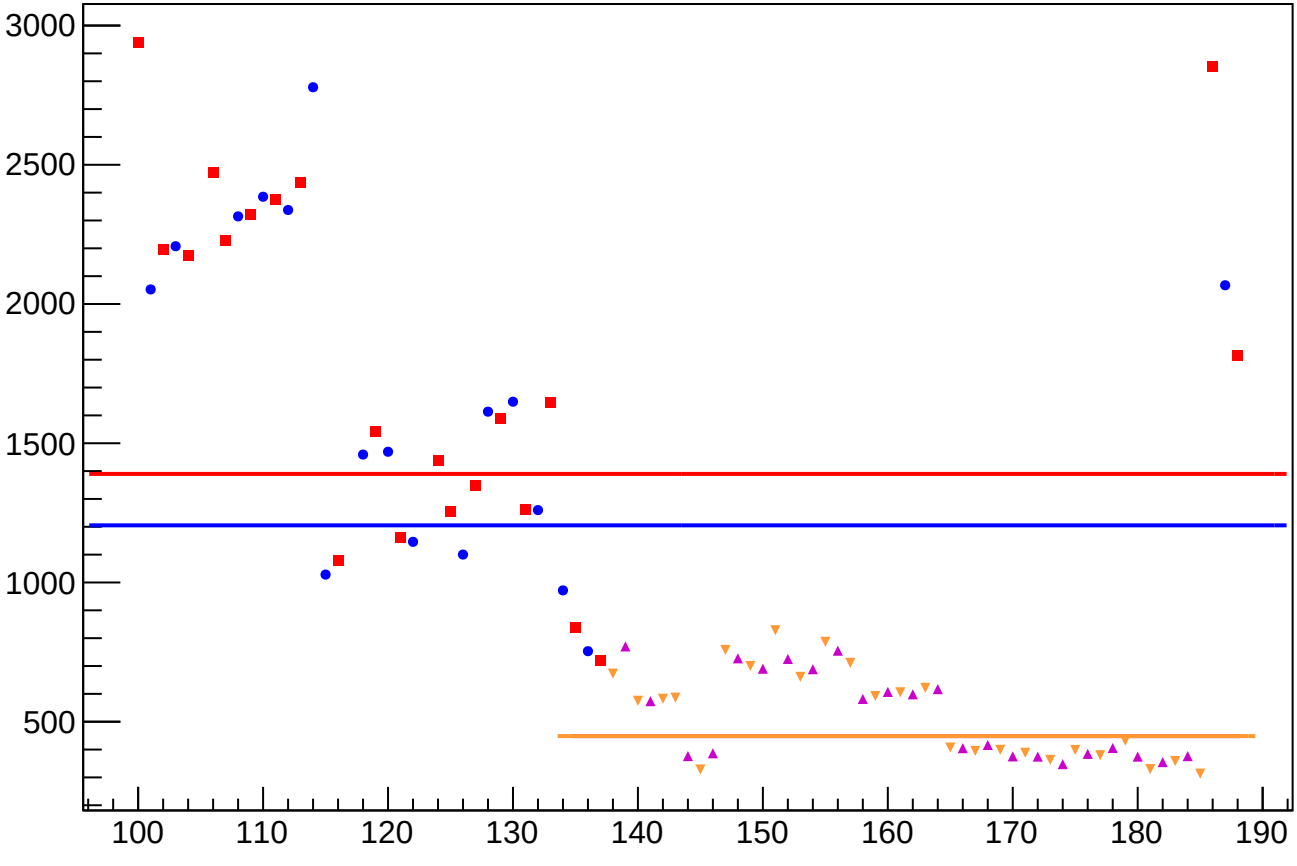
Right: 443.838+/-346.616 χ^2/NDF: 39.9/37

In: 99.974+/-106.581 χ^2/NDF:55.9/39

Out: 261.281+/-104.468 χ^2/NDF:69.6/45

All: 182.243+/-74.606 χ^2/NDF: 126.7/85

asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 1205.162+/-0.339 χ^2/NDF: 2097778.8/16

Left Out: 448.278+/-0.076 χ^2/NDF:3156909.8/24

Right Out: 1389.867+/-0.355 χ^2/NDF: 2292866.3/20

Left In: 448.397+/-0.077 χ^2/NDF:2620759.6/22

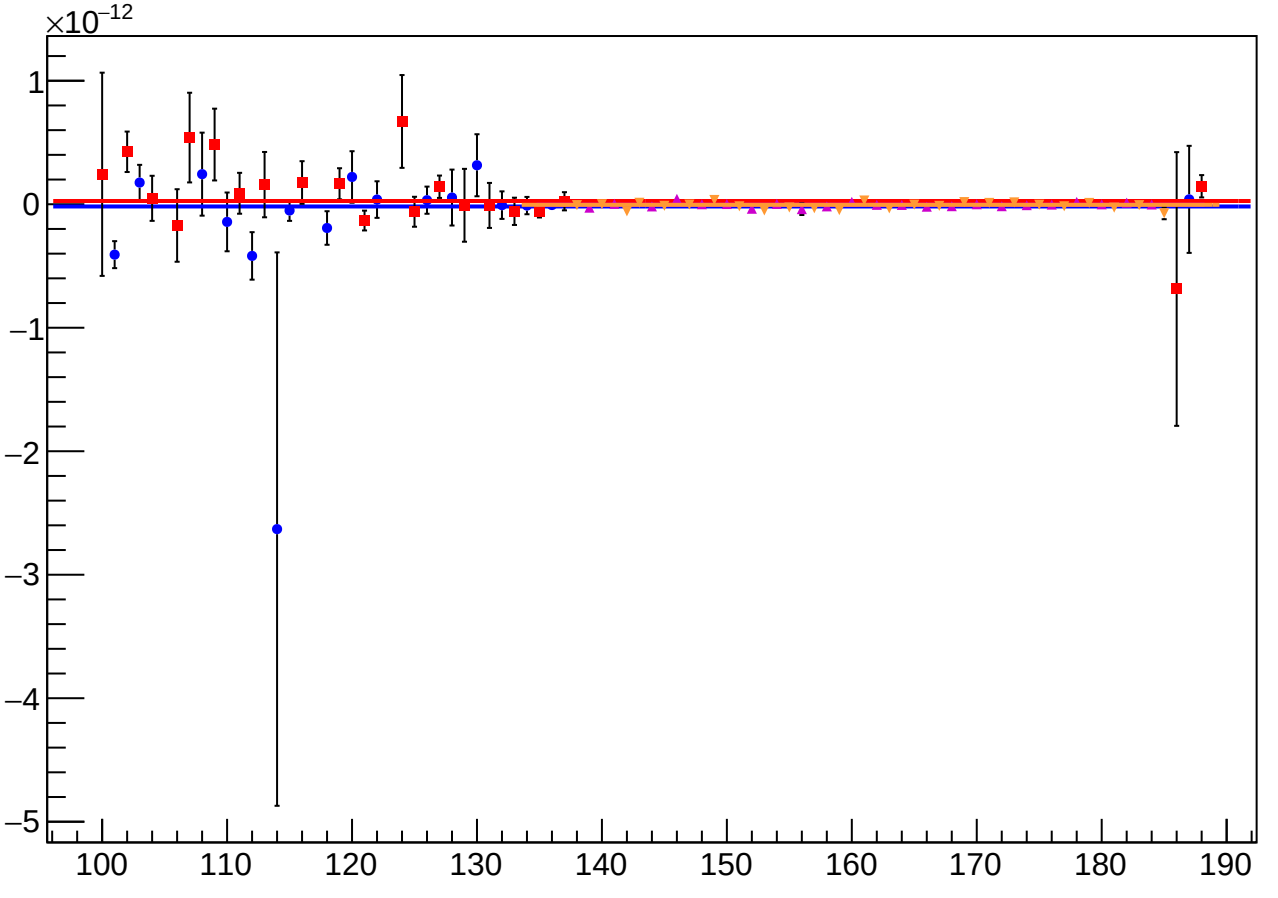
Left: 448.336+/-0.054 χ^2/NDF: 5777670.6/47

Right: 1293.357+/-0.245 χ^2/NDF: 4532338.3/37

In: 485.784+/-0.075 χ^2/NDF:9453797.2/39

Out: 489.119+/-0.074 χ^2/NDF:12191413.3/45

All: 487.485+/-0.053 χ^2/NDF: 21646209.6/85



Right In: -0.000+/-0.000 χ^2/NDF: 26.8/16

Left Out: -0.000+/-0.000 χ^2/NDF:23.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 27.9/20

Left In: -0.000+/-0.000 χ^2/NDF:16.7/22

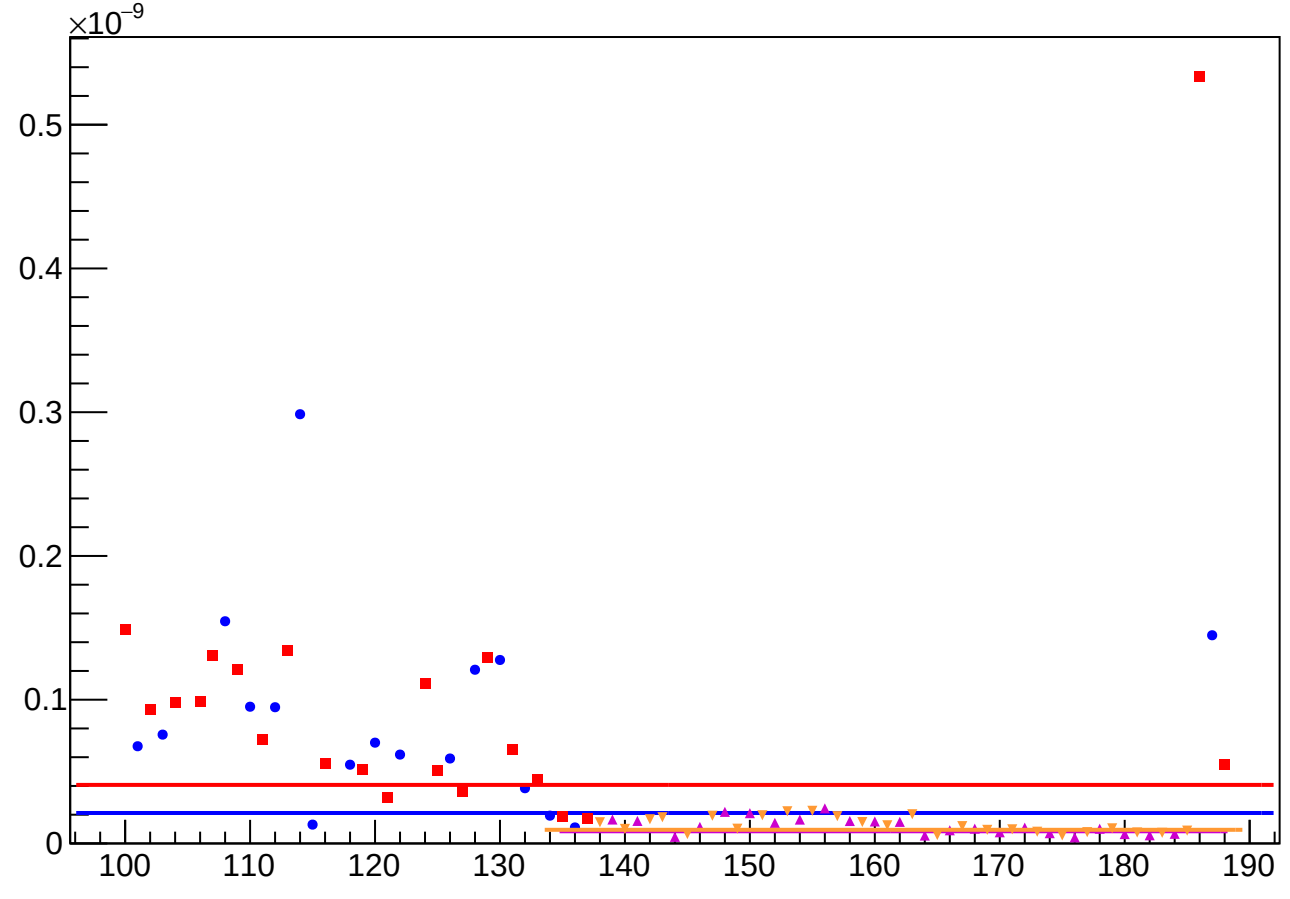
Left: -0.000+/-0.000 χ^2/NDF: 39.9/47

Right: -0.000+/-0.000 χ^2/NDF: 56.7/37

In: -0.000+/-0.000 χ^2/NDF:44.2/39

Out: -0.000+/-0.000 χ^2/NDF:52.4/45

All: -0.000+/-0.000 χ^2/NDF: 96.6/85



Right In: 0.000+/-0.000 χ^2/NDF: 3543973.6/16

Left Out: 0.000+/-0.000 χ^2/NDF:2422094.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2527899.3/20

Left In: 0.000+/-0.000 χ^2/NDF:2739291.5/22

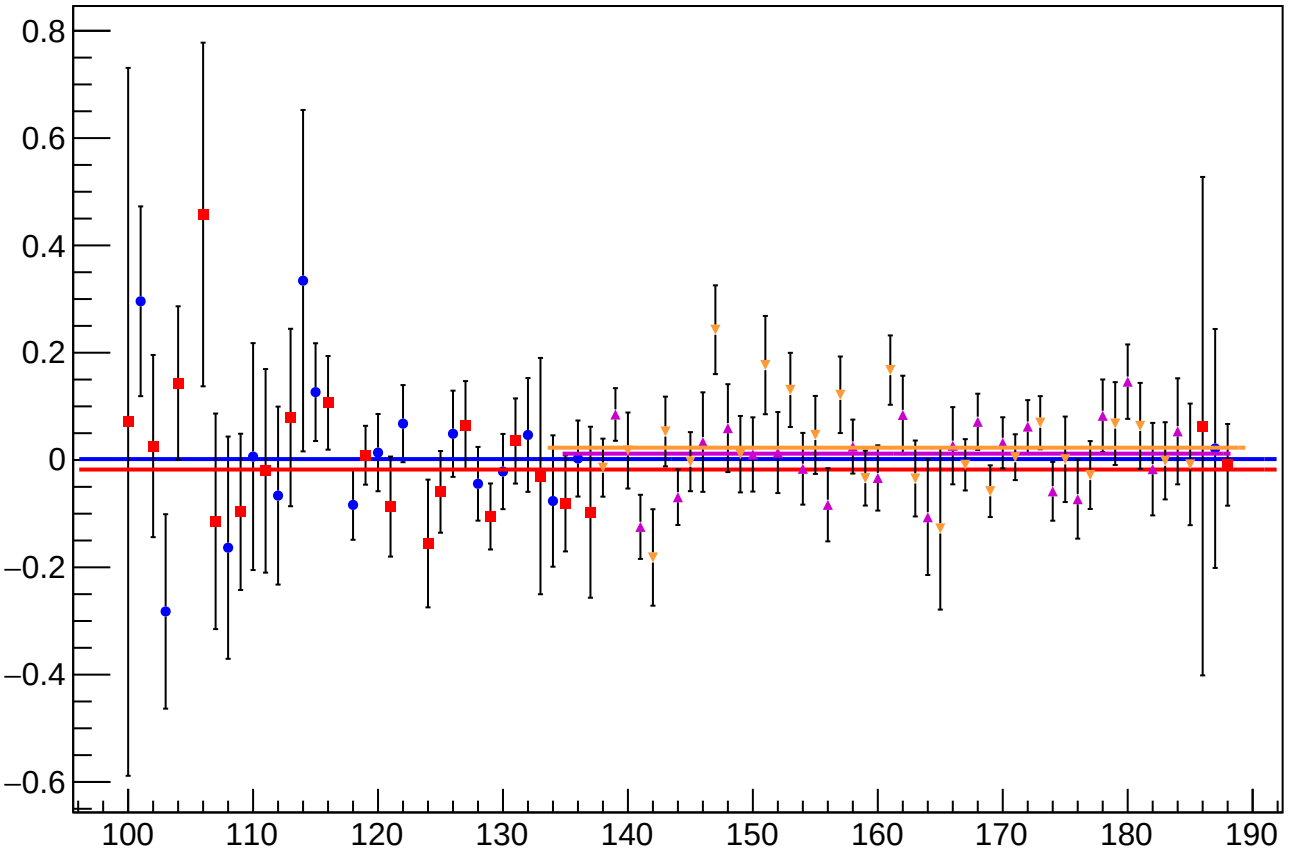
Left: 0.000+/-0.000 χ^2/NDF: 5231856.7/47

Right: 0.000+/-0.000 χ^2/NDF: 6826127.5/37

In: 0.000+/-0.000 χ^2/NDF:7261858.4/39

Out: 0.000+/-0.000 χ^2/NDF:7696102.7/45

All: 0.000+/-0.000 χ^2/NDF: 15048641.4/85



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/16

Left Out: 0.023+/-0.013 χ^2/NDF:34.2/24

Right Out: -0.018+/-0.022 χ^2/NDF: 13.1/20

Left In: 0.012+/-0.013 χ^2/NDF:25.9/22

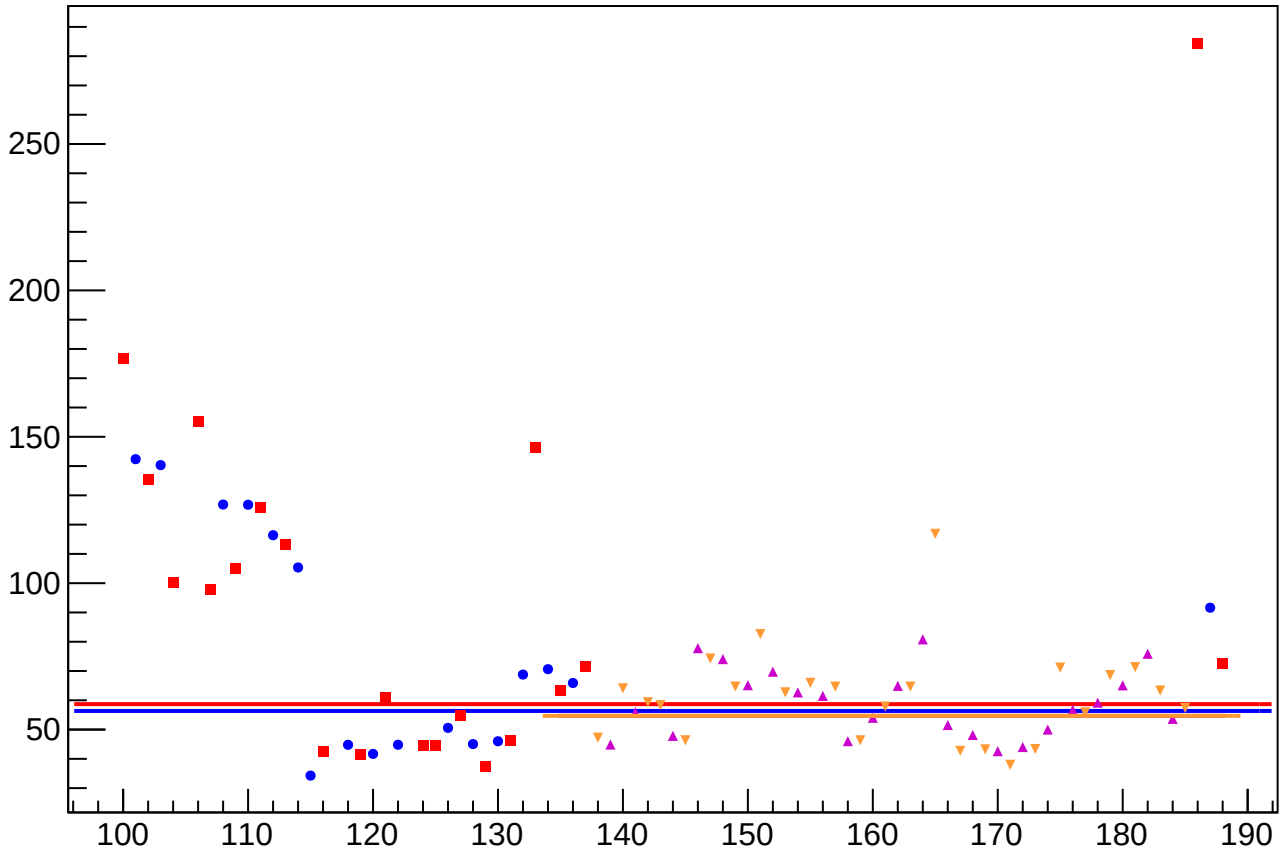
Left: 0.018+/-0.009 χ^2/NDF: 60.4/47

Right: -0.008+/-0.016 χ^2/NDF: 26.6/37

In: 0.009+/-0.012 χ^2/NDF:39.1/39

Out: 0.013+/-0.011 χ^2/NDF:49.8/45

All: 0.011+/-0.008 χ^2/NDF: 89.0/85



Right In: 56.358+/-0.016 χ^2/NDF: 2230520.1/16

Left Out: 54.686+/-0.009 χ^2/NDF:1936559.5/24

Right Out: 58.684+/-0.016 χ^2/NDF: 3105841.4/20

Left In: 54.688+/-0.009 χ^2/NDF:1190787.0/22

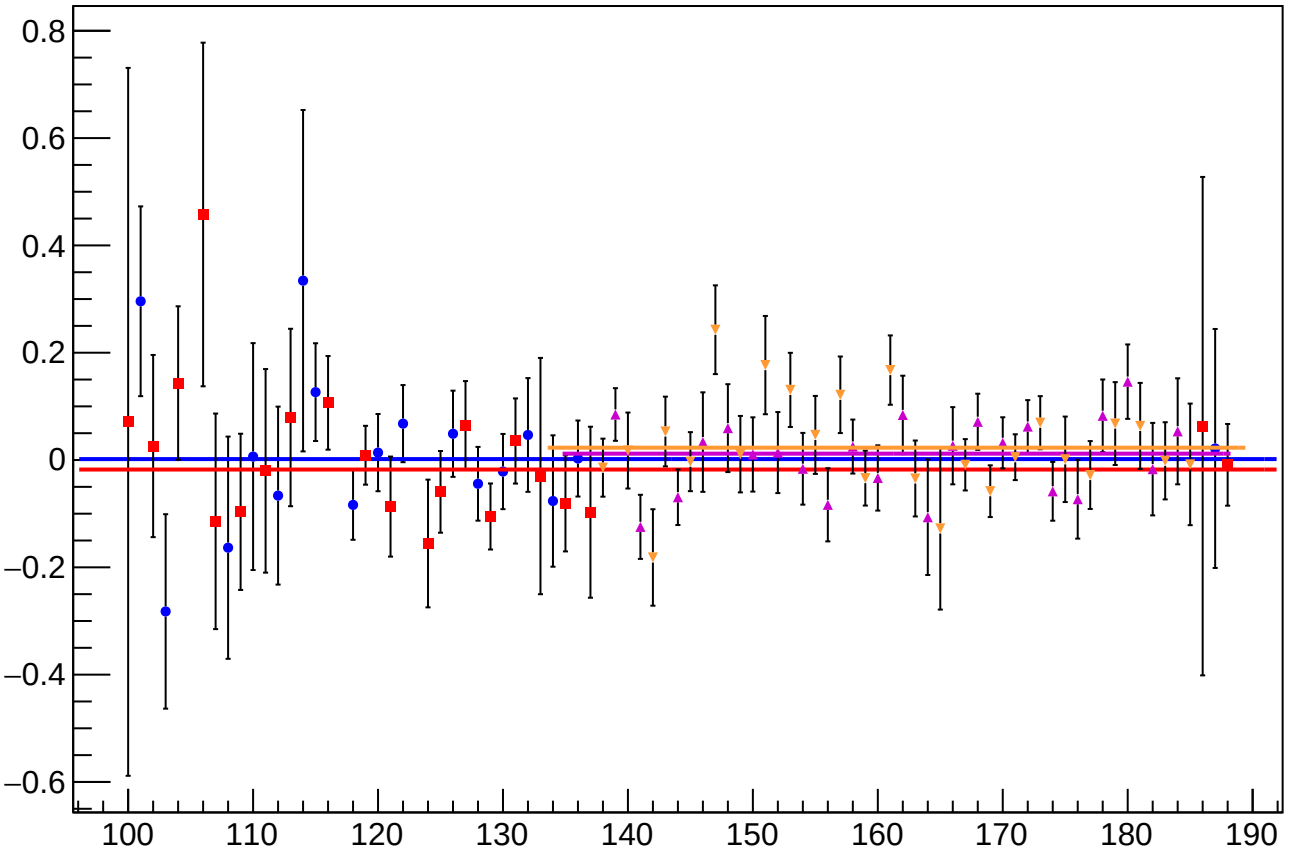
Left: 54.687+/-0.007 χ^2/NDF: 3127346.5/47

Right: 57.564+/-0.011 χ^2/NDF: 5346701.0/37

In: 55.097+/-0.008 χ^2/NDF:3429073.5/39

Out: 55.682+/-0.008 χ^2/NDF:5090045.6/45

All: 55.398+/-0.006 χ^2/NDF: 8521771.3/85



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/16

Left Out: 0.023+/-0.013 χ^2/NDF:34.2/24

Right Out: -0.018+/-0.022 χ^2/NDF: 13.1/20

Left In: 0.012+/-0.013 χ^2/NDF:25.9/22

Left: 0.018+/-0.009 χ^2/NDF: 60.4/47

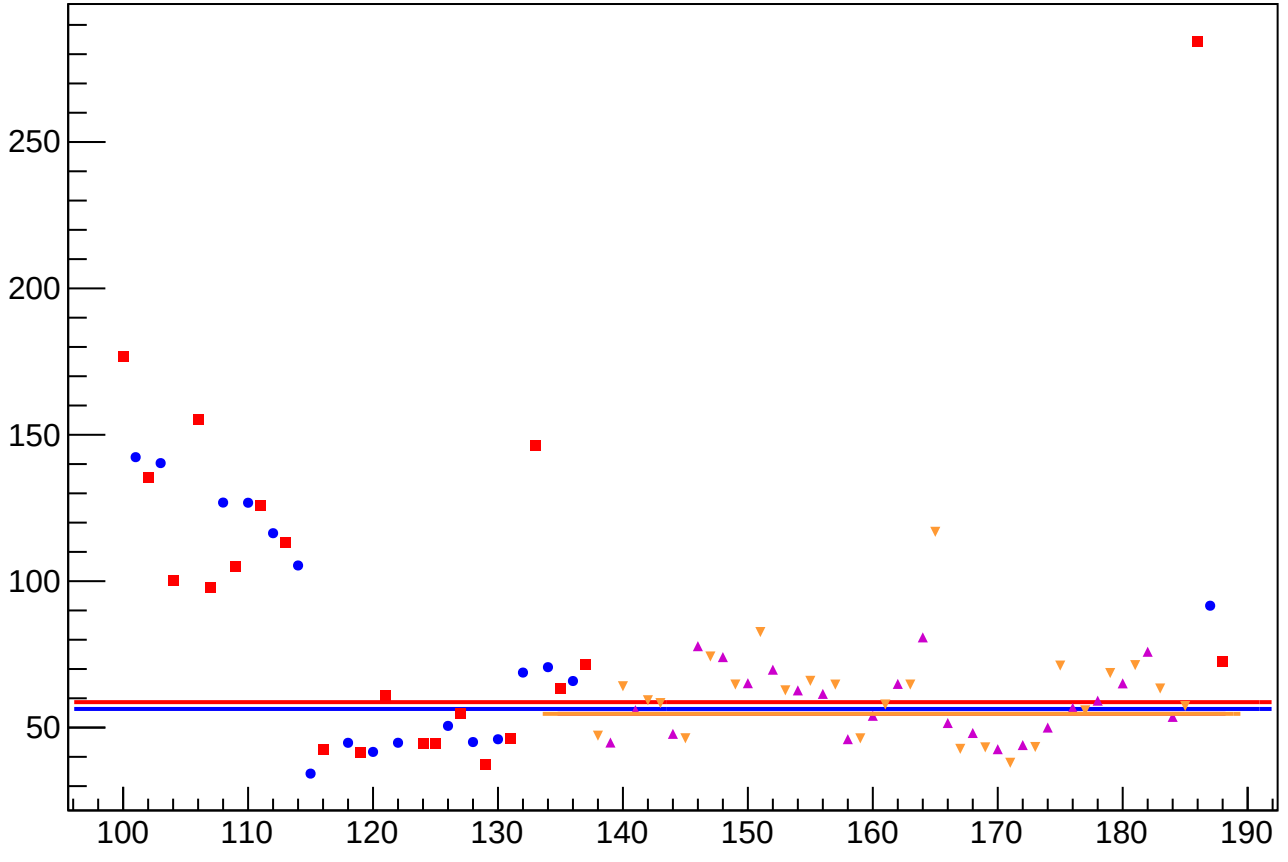
Right: -0.008+/-0.016 χ^2/NDF: 26.6/37

In: 0.009+/-0.012 χ^2/NDF:39.1/39

Out: 0.013+/-0.011 χ^2/NDF:49.8/45

All: 0.011+/-0.008 χ^2/NDF: 89.0/85

asym_sam_26_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 56.358+/-0.016 χ^2/NDF: 2230520.1/16

Left Out: 54.686+/-0.009 χ^2/NDF:1936559.5/24

Right Out: 58.684+/-0.016 χ^2/NDF: 3105841.4/20

Left In: 54.688+/-0.009 χ^2/NDF:1190787.0/22

Left: 54.687+/-0.007 χ^2/NDF: 3127346.5/47

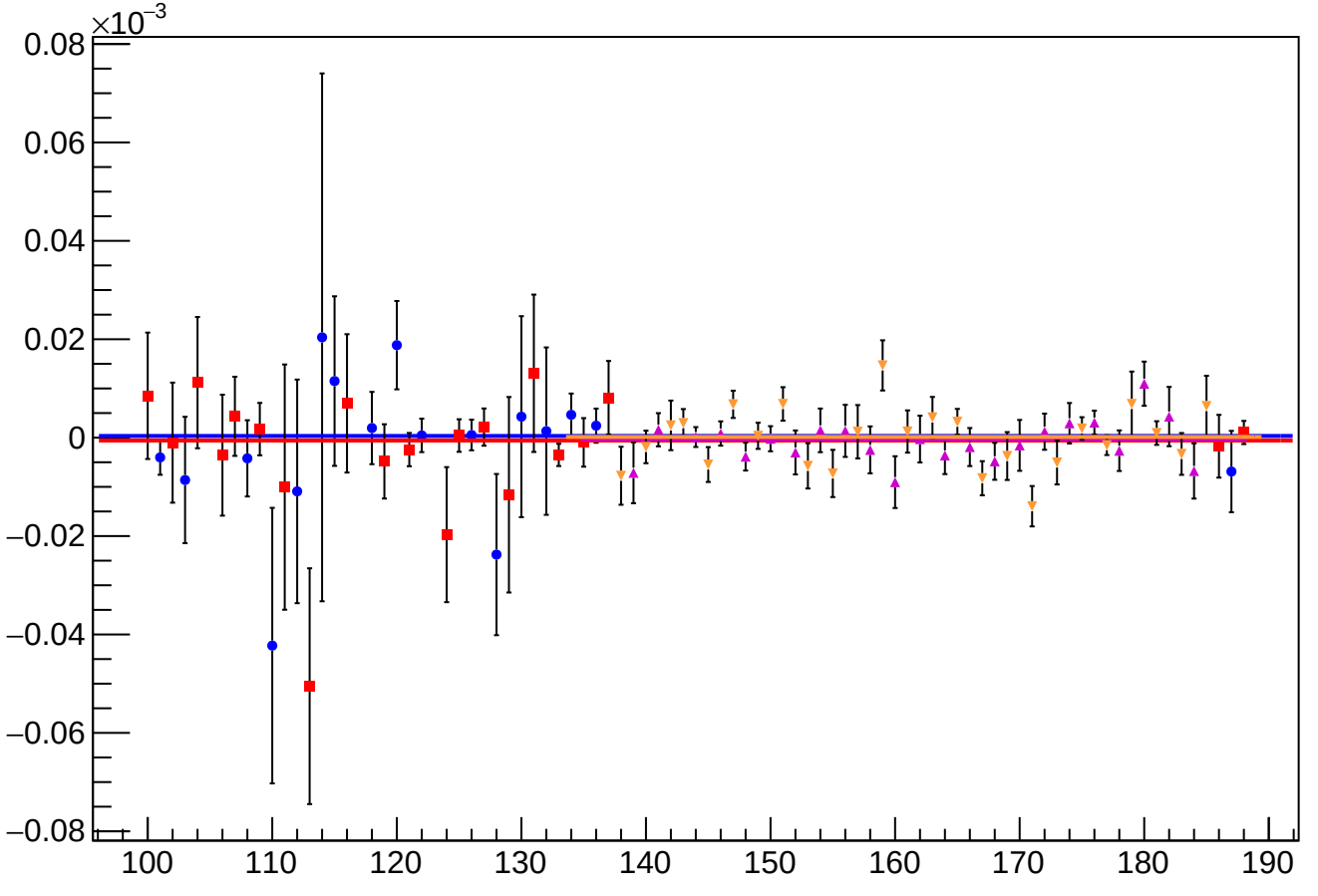
Right: 57.564+/-0.011 χ^2/NDF: 5346701.0/37

In: 55.097+/-0.008 χ^2/NDF:3429073.5/39

Out: 55.682+/-0.008 χ^2/NDF:5090045.6/45

All: 55.398+/-0.006 χ^2/NDF: 8521771.3/85

asym_sam_26_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 14.1/16

Left Out: 0.000+/-0.000 χ^2/NDF:53.7/24

Right Out: -0.000+/-0.000 χ^2/NDF: 14.4/20

Left In: -0.000+/-0.000 χ^2/NDF:20.7/22

Left: -0.000+/-0.000 χ^2/NDF: 74.6/47

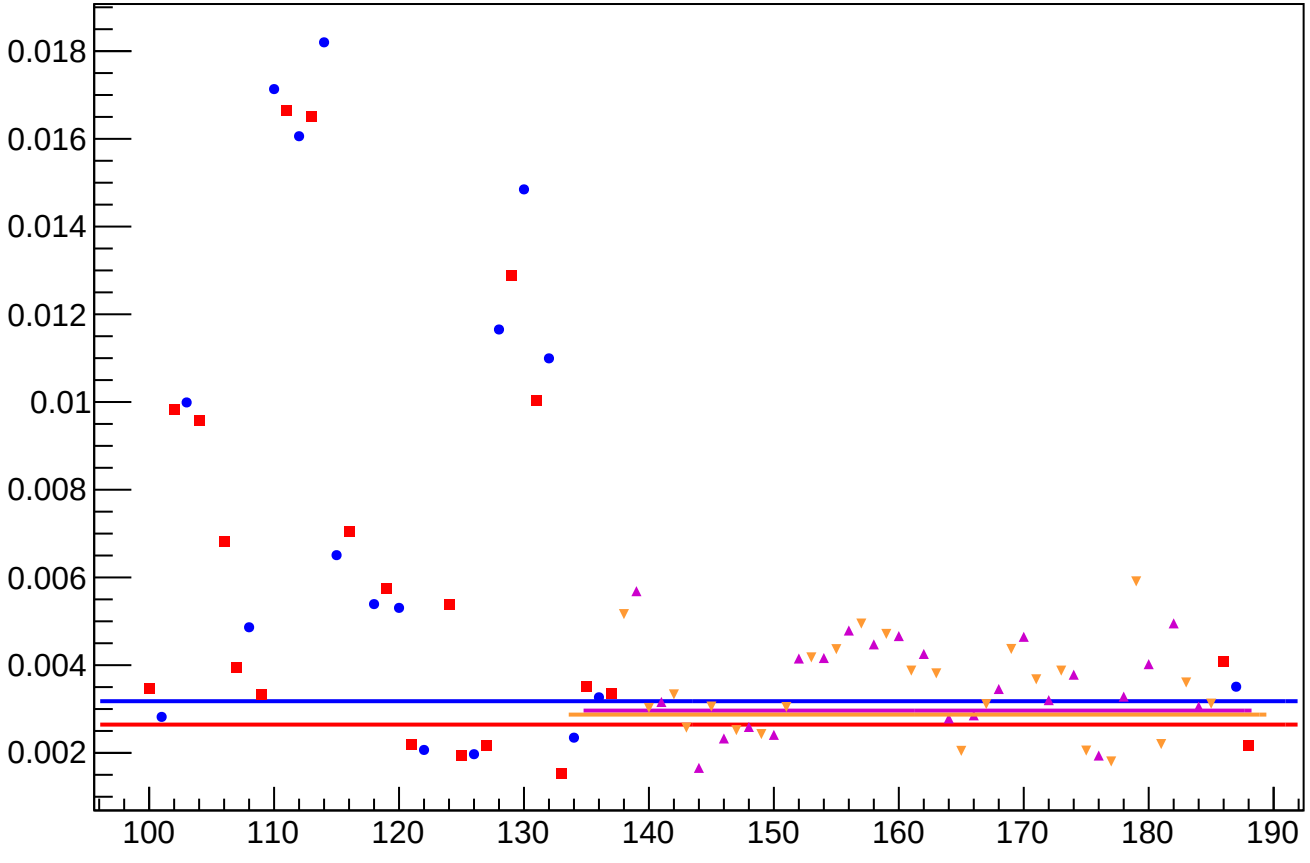
Right: -0.000+/-0.000 χ^2/NDF: 28.8/37

In: -0.000+/-0.000 χ^2/NDF:34.9/39

Out: -0.000+/-0.000 χ^2/NDF:68.5/45

All: -0.000+/-0.000 χ^2/NDF: 103.4/85

asym_sam_26_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 4548902.5/16

Left Out: 0.003+/-0.000 χ^2/NDF:3602368.5/24

Right Out: 0.003+/-0.000 χ^2/NDF: 5342583.7/20

Left In: 0.003+/-0.000 χ^2/NDF:3619016.3/22

Left: 0.003+/-0.000 χ^2/NDF: 7237301.1/47

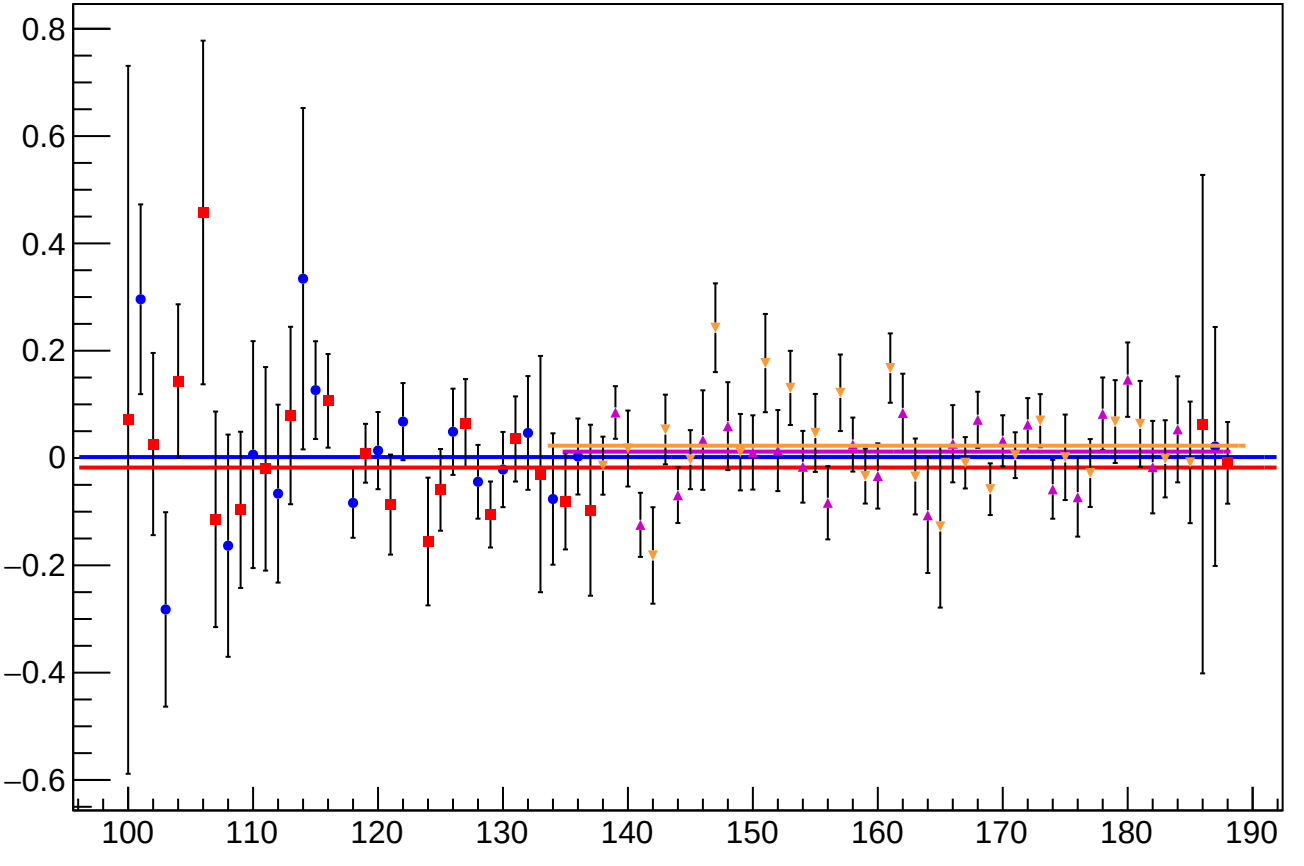
Right: 0.003+/-0.000 χ^2/NDF: 10066573.4/37

In: 0.003+/-0.000 χ^2/NDF:8203451.6/39

Out: 0.003+/-0.000 χ^2/NDF:9006137.7/45

All: 0.003+/-0.000 χ^2/NDF: 17313407.4/85

asym_sam_26_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/16

Left Out: 0.023+/-0.013 χ^2/NDF:34.2/24

Right Out: -0.018+/-0.022 χ^2/NDF: 13.1/20

Left In: 0.012+/-0.013 χ^2/NDF:25.9/22

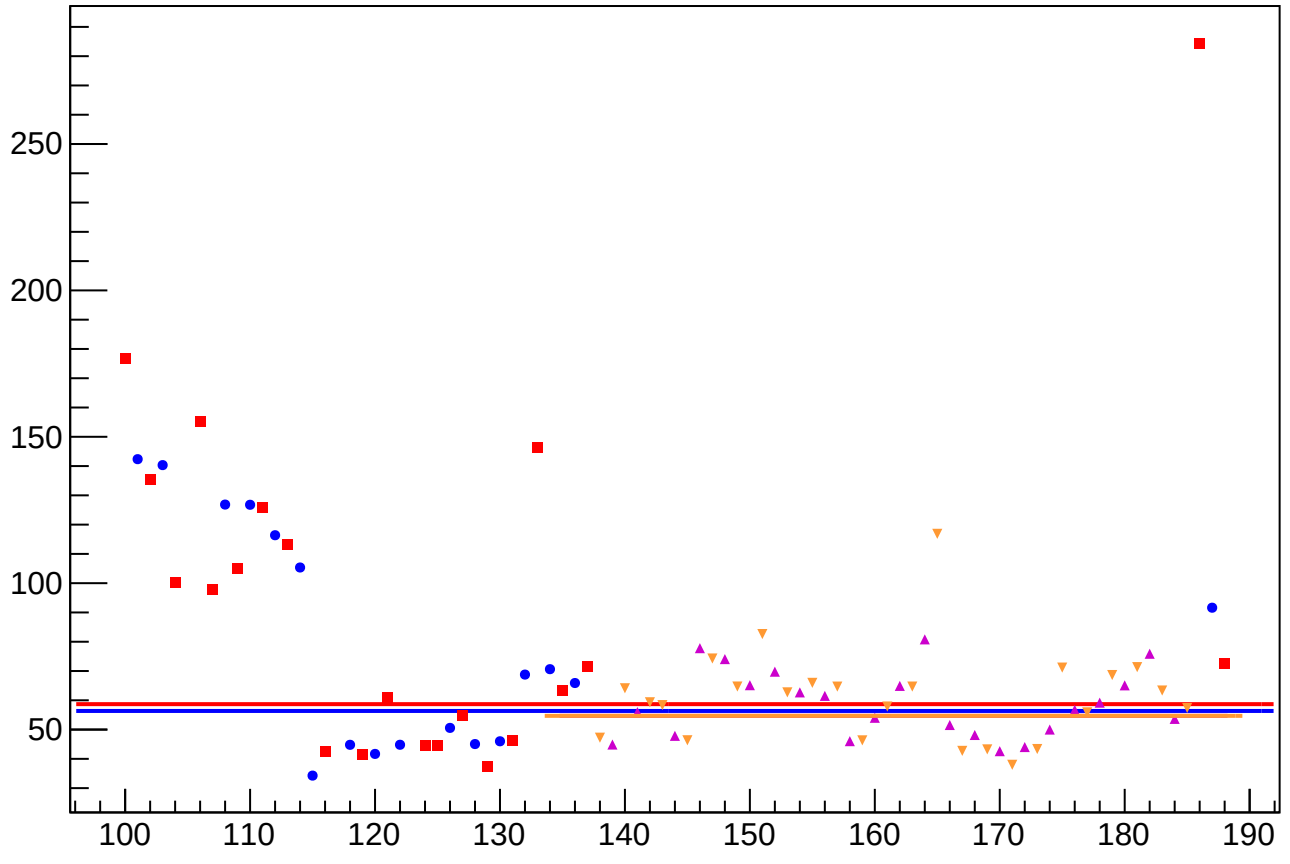
Left: 0.018+/-0.009 χ^2/NDF: 60.4/47

Right: -0.008+/-0.016 χ^2/NDF: 26.6/37

In: 0.009+/-0.012 χ^2/NDF:39.1/39

Out: 0.013+/-0.011 χ^2/NDF:49.8/45

All: 0.011+/-0.008 χ^2/NDF: 89.0/85



Right In: 56.358+/-0.016 χ^2/NDF: 2230455.6/16

Left Out: 54.686+/-0.009 χ^2/NDF:1936555.1/24

Right Out: 58.683+/-0.016 χ^2/NDF: 3105798.4/20

Left In: 54.689+/-0.009 χ^2/NDF:1190755.4/22

Left: 54.688+/-0.007 χ^2/NDF: 3127310.5/47

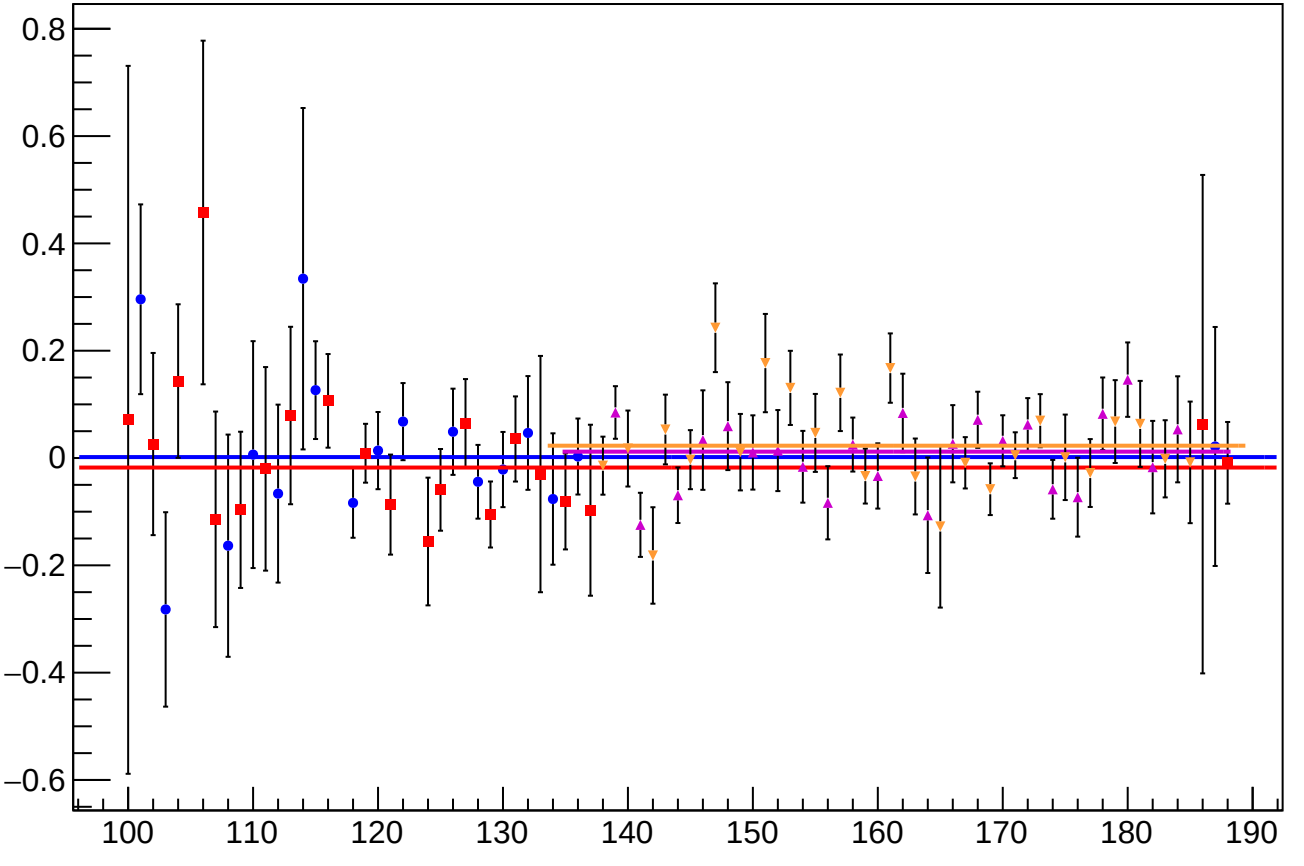
Right: 57.563+/-0.011 χ^2/NDF: 5346592.0/37

In: 55.097+/-0.008 χ^2/NDF:3428969.1/39

Out: 55.682+/-0.008 χ^2/NDF:5089976.0/45

All: 55.398+/-0.006 χ^2/NDF: 8521596.0/85

asym_sam_26_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/16

Left Out: 0.023+/-0.013 χ^2/NDF:34.2/24

Right Out: -0.018+/-0.022 χ^2/NDF: 13.1/20

Left In: 0.012+/-0.013 χ^2/NDF:25.9/22

Left: 0.018+/-0.009 χ^2/NDF: 60.4/47

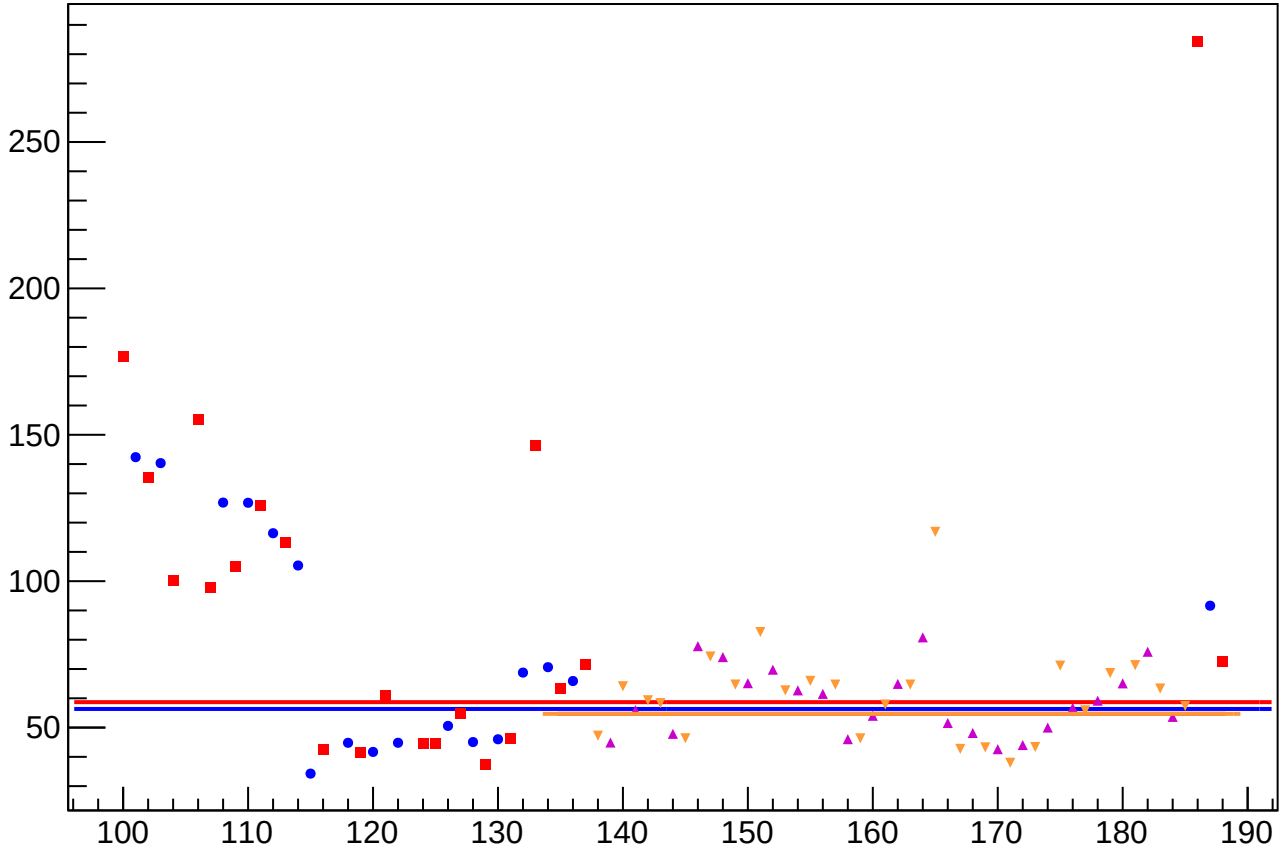
Right: -0.008+/-0.016 χ^2/NDF: 26.6/37

In: 0.009+/-0.012 χ^2/NDF:39.1/39

Out: 0.013+/-0.011 χ^2/NDF:49.8/45

All: 0.011+/-0.008 χ^2/NDF: 89.0/85

asym_sam_26_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 56.358+/-0.016 χ^2/NDF: 2230455.6/16

Left Out: 54.686+/-0.009 χ^2/NDF:1936555.1/24

Right Out: 58.683+/-0.016 χ^2/NDF: 3105798.4/20

Left In: 54.689+/-0.009 χ^2/NDF:1190755.4/22

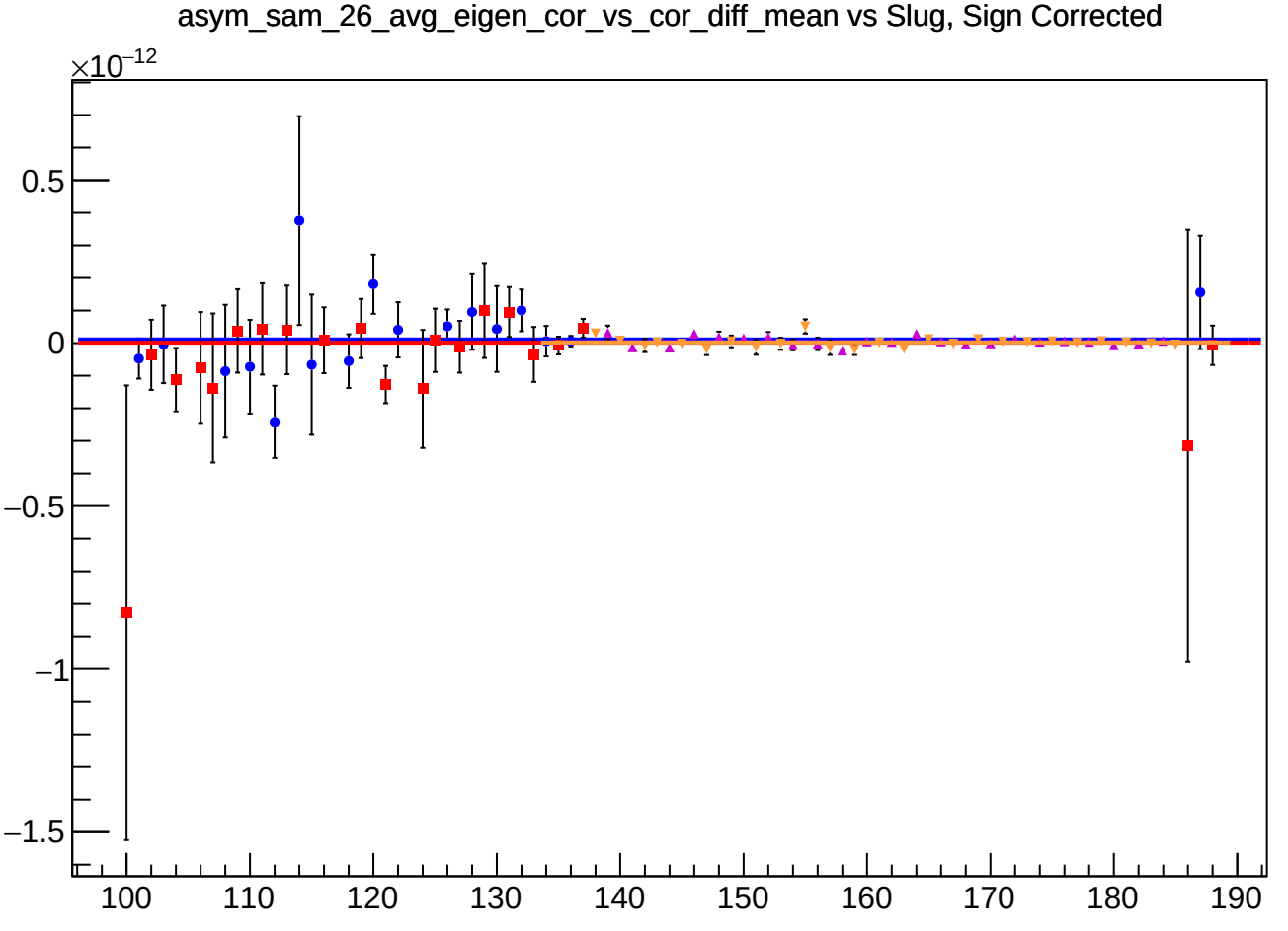
Left: 54.688+/-0.007 χ^2/NDF: 3127310.5/47

Right: 57.563+/-0.011 χ^2/NDF: 5346592.0/37

In: 55.097+/-0.008 χ^2/NDF:3428969.1/39

Out: 55.682+/-0.008 χ^2/NDF:5089976.0/45

All: 55.398+/-0.006 χ^2/NDF: 8521596.0/85



Right In: 0.000+/-0.000 χ^2/NDF: 16.3/16

Left Out: 0.000+/-0.000 χ^2/NDF:20.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 14.5/20

Left In: 0.000+/-0.000 χ^2/NDF:33.1/22

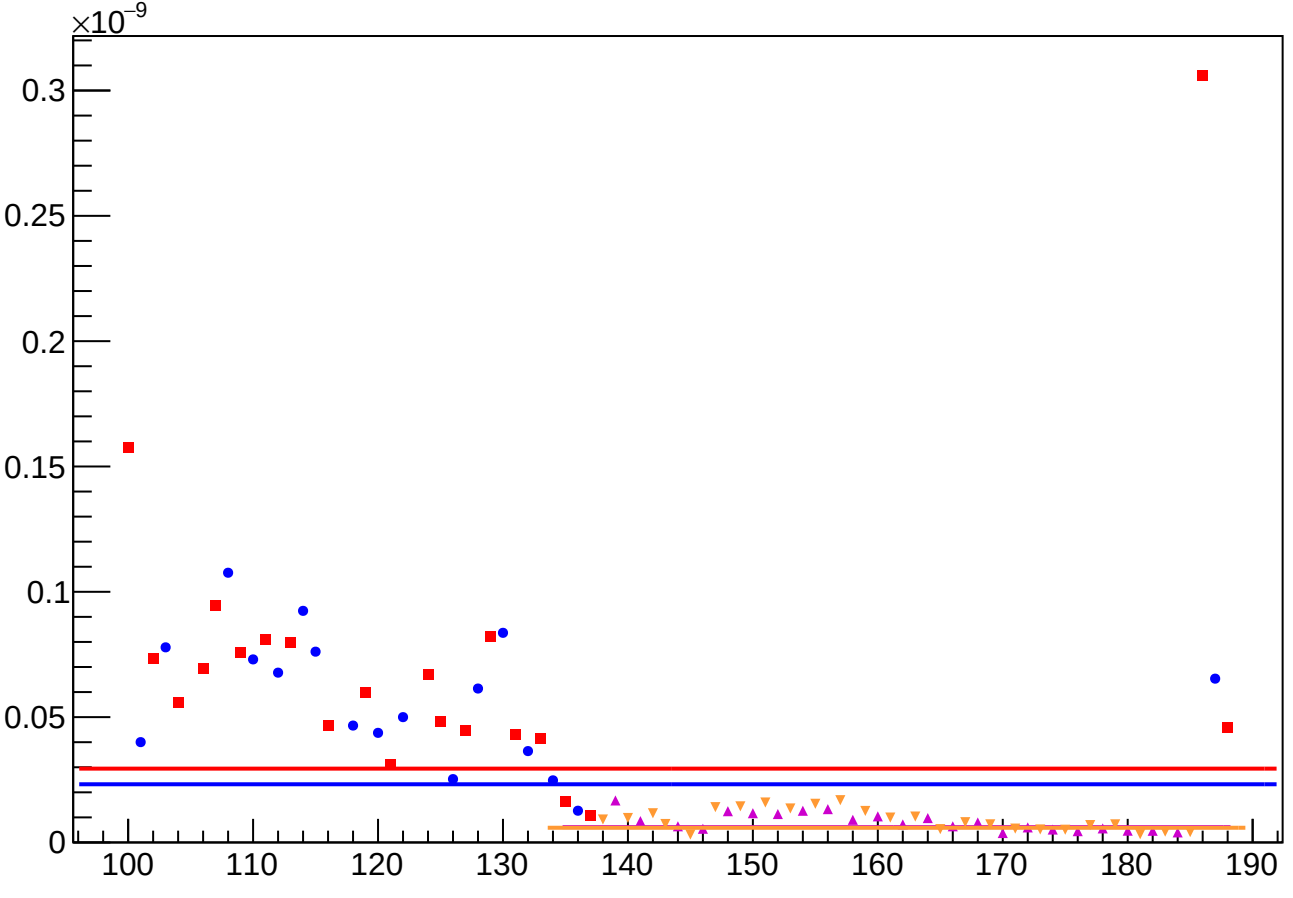
Left: 0.000+/-0.000 χ^2/NDF: 53.9/47

Right: 0.000+/-0.000 χ^2/NDF: 31.1/37

In: 0.000+/-0.000 χ^2/NDF:49.9/39

Out: 0.000+/-0.000 χ^2/NDF:35.2/45

All: 0.000+/-0.000 χ^2/NDF: 85.2/85



Right In: 0.000+/-0.000 χ^2/NDF: 3850024.3/16

Left Out: 0.000+/-0.000 χ^2/NDF:5538819.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4326004.6/20

Left In: 0.000+/-0.000 χ^2/NDF:3304370.7/22

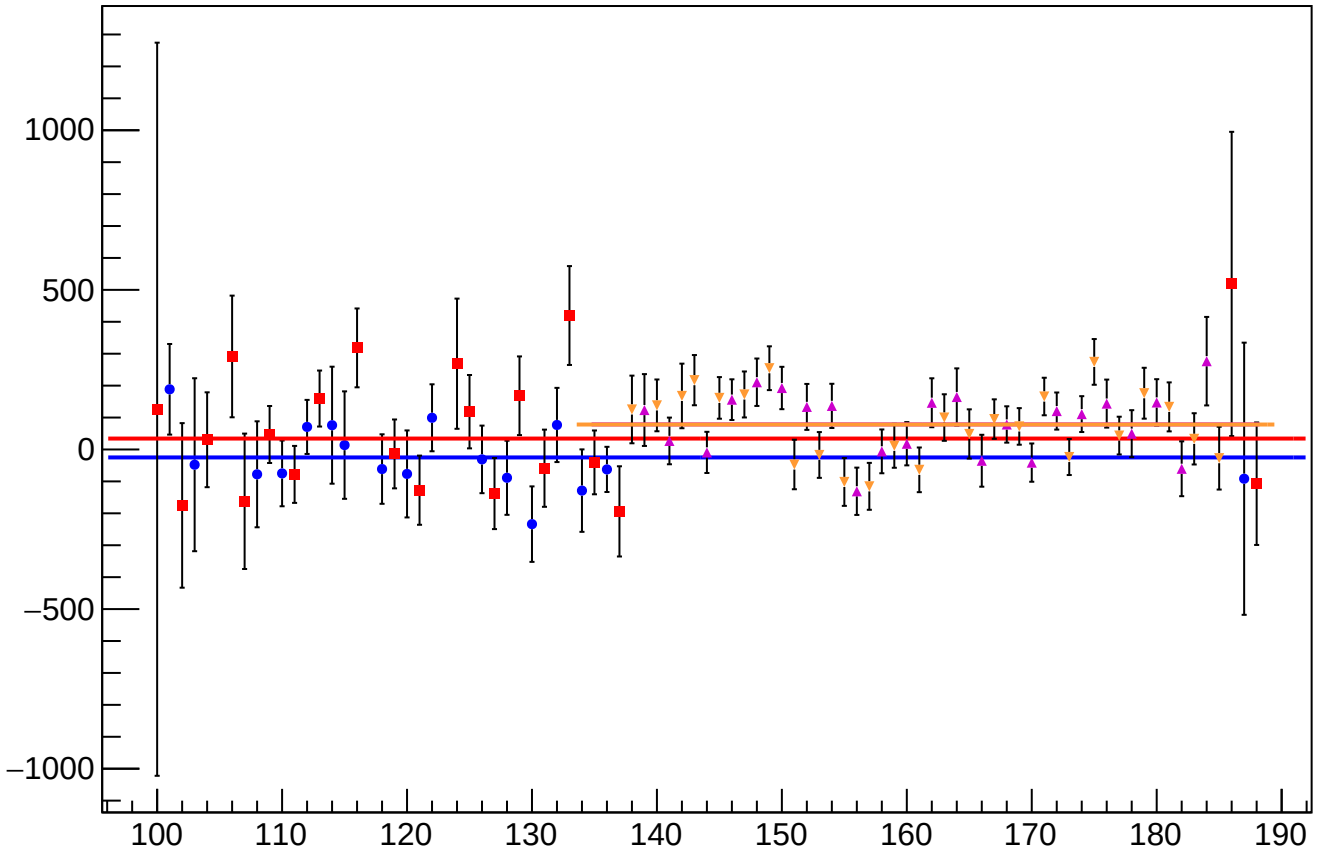
Left: 0.000+/-0.000 χ^2/NDF: 8861543.6/47

Right: 0.000+/-0.000 χ^2/NDF: 8374341.2/37

In: 0.000+/-0.000 χ^2/NDF:10579052.5/39

Out: 0.000+/-0.000 χ^2/NDF:14730708.6/45

All: 0.000+/-0.000 χ^2/NDF: 25331671.8/85



Right In: -24.939+/-28.846 χ^2/NDF: 11.0/16

Left Out: 78.159+/-14.326 χ^2/NDF:53.9/24

Right Out: 34.198+/-28.098 χ^2/NDF: 31.7/20

Left In: 78.506+/-14.811 χ^2/NDF:36.7/22

Left: 78.327+/-10.297 χ^2/NDF: 90.5/47

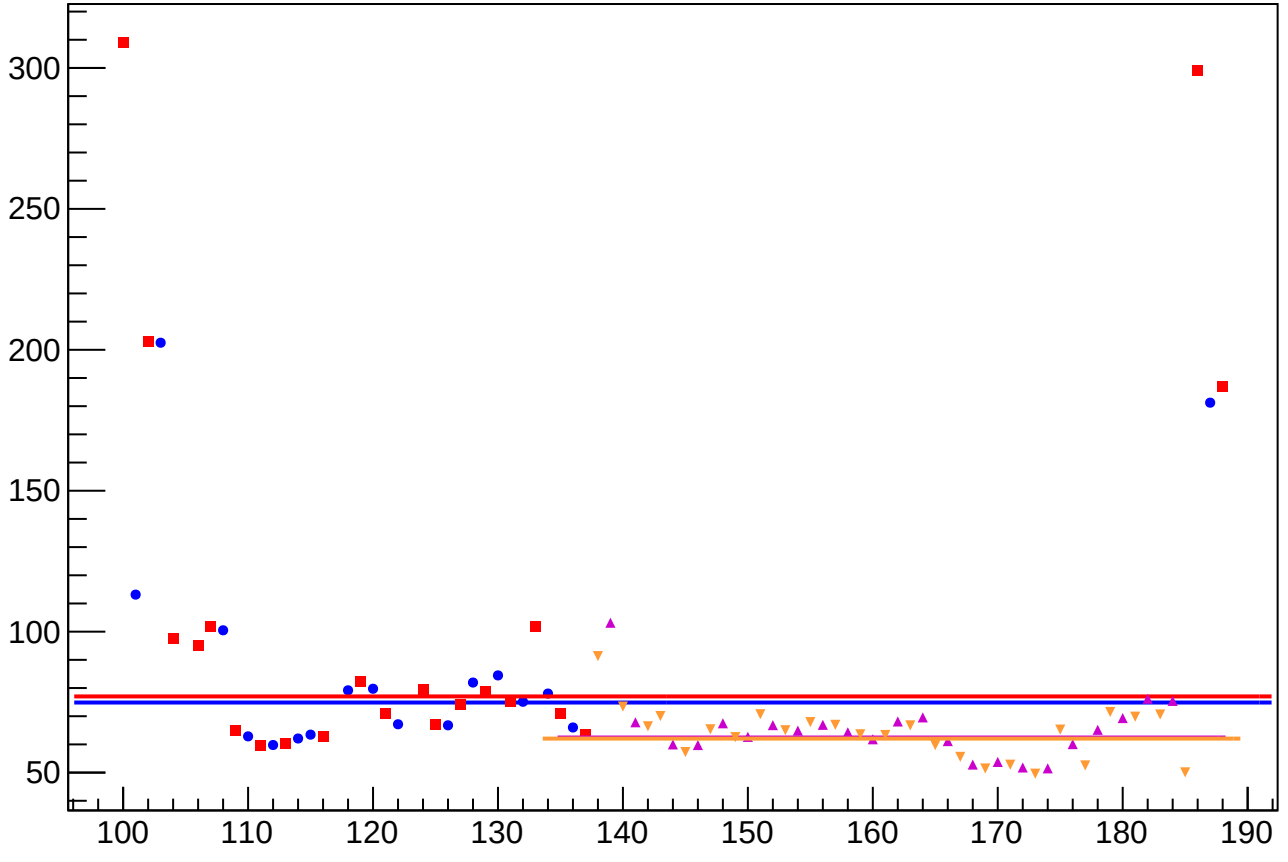
Right: 5.407+/-20.127 χ^2/NDF: 44.9/37

In: 56.924+/-13.176 χ^2/NDF:57.9/39

Out: 69.089+/-12.763 χ^2/NDF:87.5/45

All: 63.200+/-9.167 χ^2/NDF: 145.8/85

reg_asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 74.858+/-0.020 χ^2/NDF: 952720.5/16

Left Out: 62.063+/-0.010 χ^2/NDF:686530.2/24

Right Out: 77.024+/-0.020 χ^2/NDF: 2048417.8/20

Left In: 62.445+/-0.010 χ^2/NDF:664644.9/22

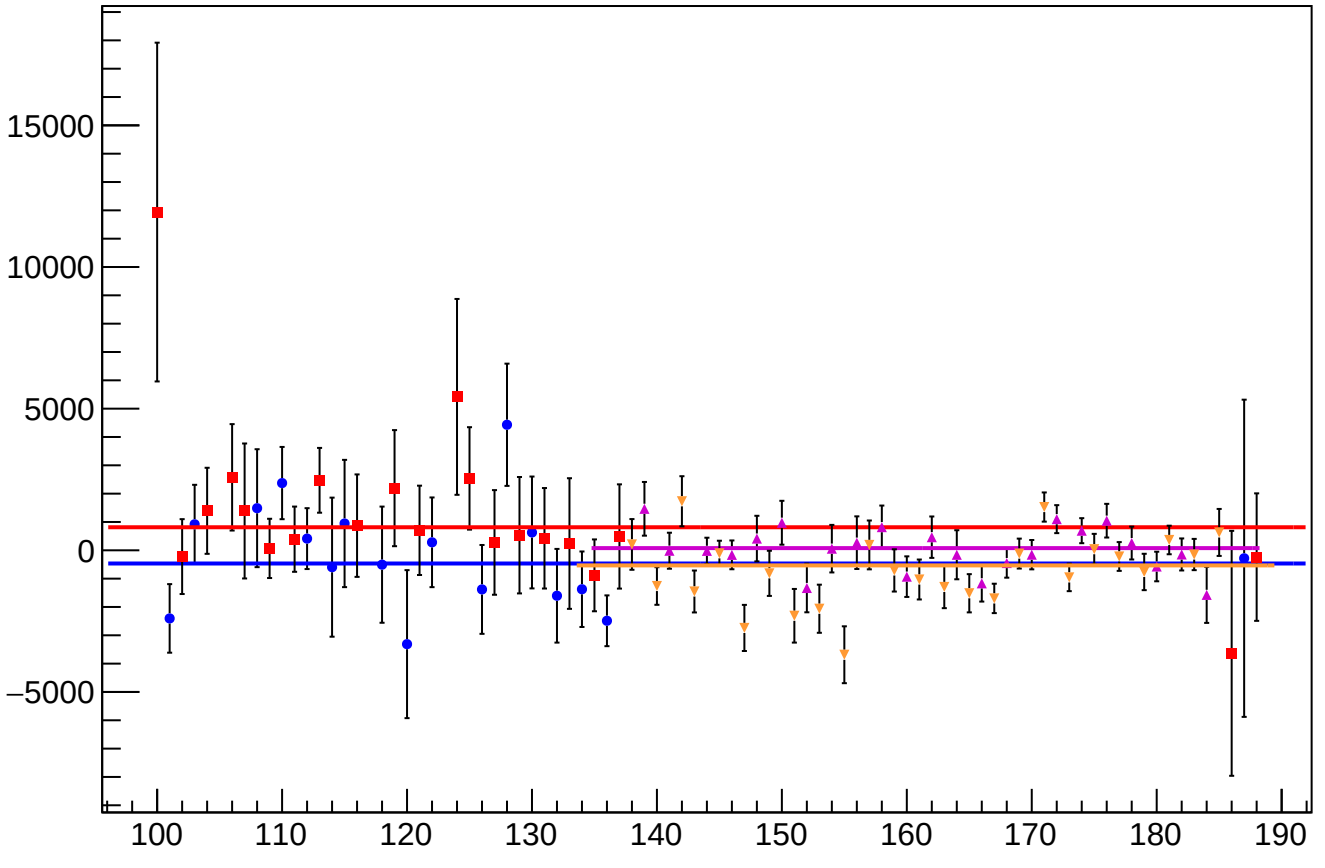
Left: 62.248+/-0.007 χ^2/NDF: 1351864.4/47

Right: 75.970+/-0.014 χ^2/NDF: 3006923.2/37

In: 65.035+/-0.009 χ^2/NDF:1910451.7/39

Out: 65.149+/-0.009 χ^2/NDF:3185024.7/45

All: 65.094+/-0.006 χ^2/NDF: 5095554.3/85



Right In: -465.697+/-374.192 χ^2/NDF: 23.7/16

Left Out: -532.779+/-127.927 χ^2/NDF:69.1/24

Right Out: 813.529+/-365.929 χ^2/NDF: 14.4/20

Left In: 77.393+/-130.317 χ^2/NDF:28.4/22

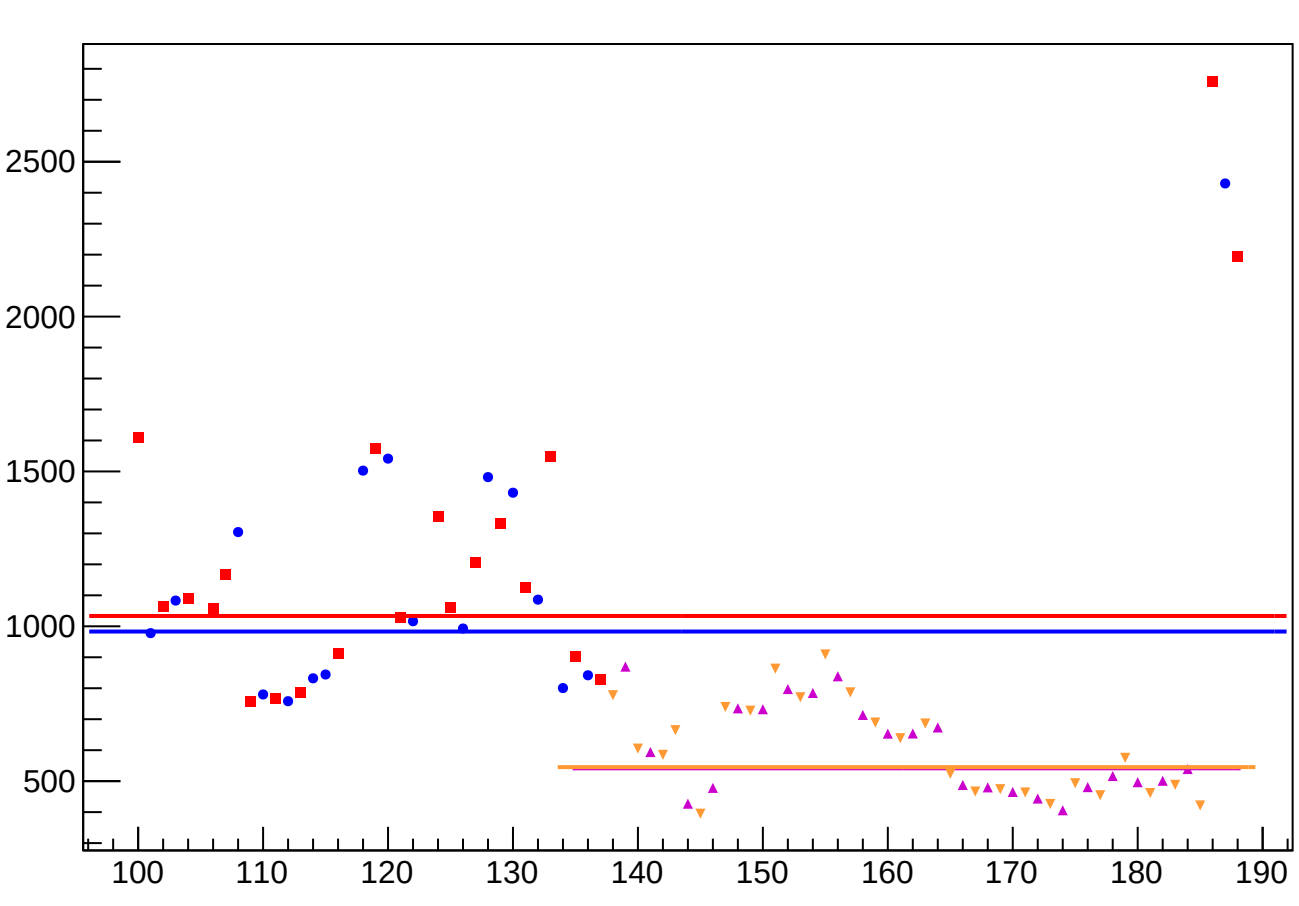
Left: -233.341+/-91.291 χ^2/NDF: 108.6/47

Right: 188.195+/-261.623 χ^2/NDF: 44.0/37

In: 18.648+/-123.068 χ^2/NDF:53.9/39

Out: -386.158+/-120.760 χ^2/NDF:95.5/45

All: -187.586+/-86.194 χ^2/NDF: 155.0/85



Right In: 983.076+/-0.265 χ^2/NDF: 870781.2/16

Left Out: 545.304+/-0.090 χ^2/NDF:2083690.3/24

Right Out: 1033.340+/-0.259 χ^2/NDF: 1595813.9/20

Left In: 541.458+/-0.092 χ^2/NDF:1840342.7/22

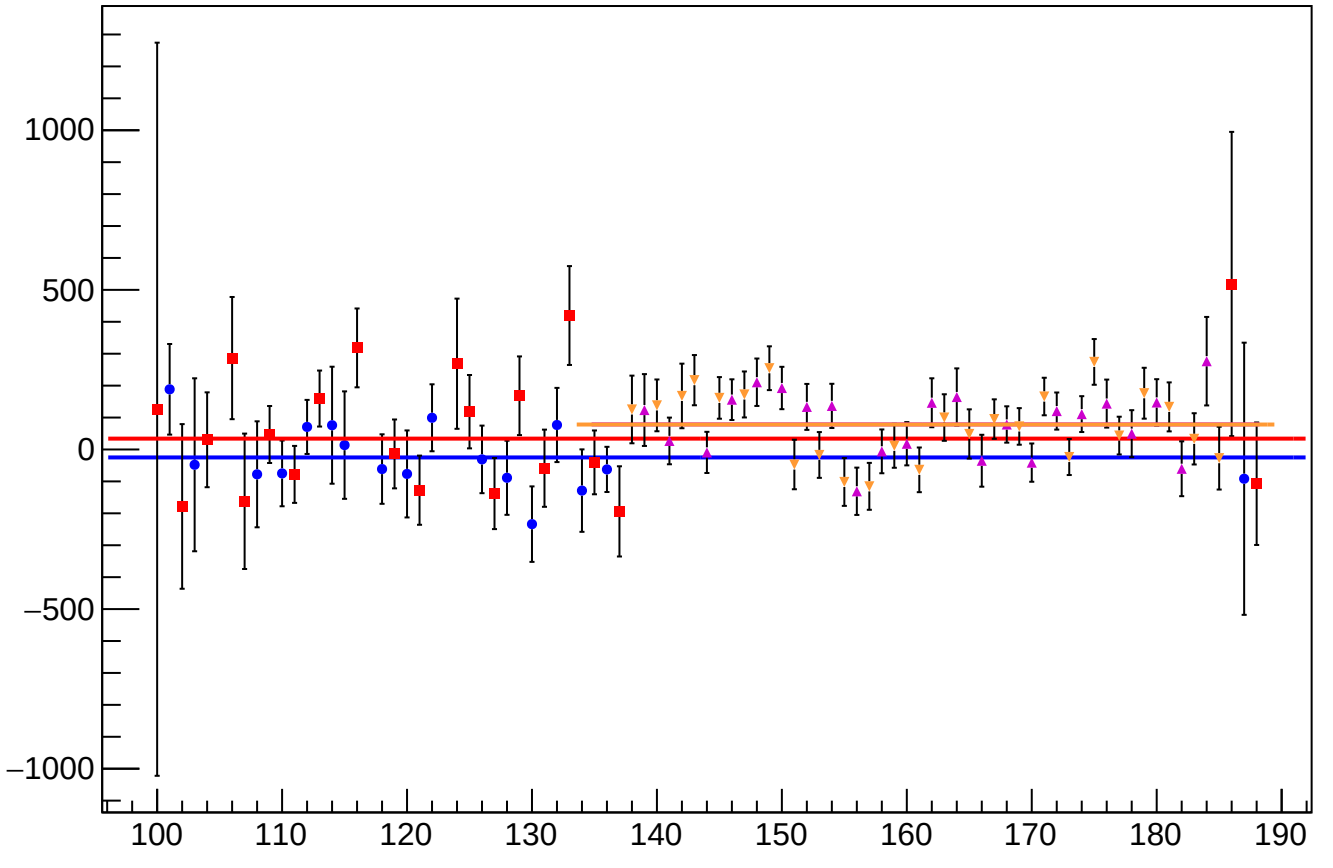
Left: 543.417+/-0.065 χ^2/NDF: 3924920.4/47

Right: 1008.769+/-0.185 χ^2/NDF: 2485042.1/37

In: 589.227+/-0.087 χ^2/NDF:5195504.3/39

Out: 598.454+/-0.085 χ^2/NDF:6849529.0/45

All: 593.928+/-0.061 χ^2/NDF: 12050761.5/85



Right In: -24.947+/-28.846 χ^2/NDF: 11.0/16

Left Out: 78.162+/-14.326 χ^2/NDF:53.9/24

Right Out: 34.003+/-28.100 χ^2/NDF: 31.6/20

Left In: 78.506+/-14.811 χ^2/NDF:36.7/22

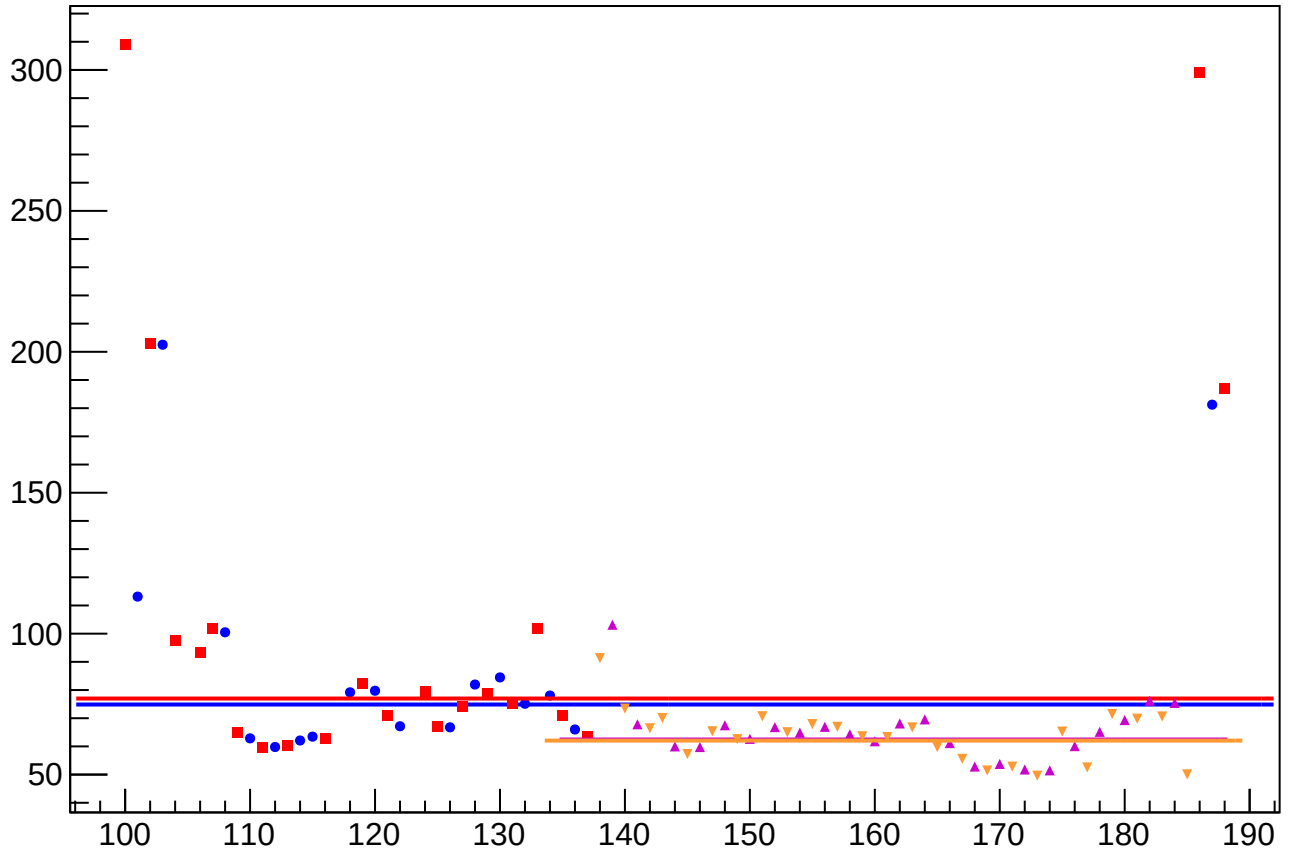
Left: 78.329+/-10.297 χ^2/NDF: 90.5/47

Right: 5.300+/-20.129 χ^2/NDF: 44.8/37

In: 56.922+/-13.176 χ^2/NDF:57.9/39

Out: 69.053+/-12.763 χ^2/NDF:87.4/45

All: 63.181+/-9.167 χ^2/NDF: 145.8/85



Right In: 74.858+/-0.020 χ^2/NDF: 952722.6/16

Left Out: 62.063+/-0.010 χ^2/NDF:686530.2/24

Right Out: 76.984+/-0.020 χ^2/NDF: 2045291.3/20

Left In: 62.445+/-0.010 χ^2/NDF:664644.9/22

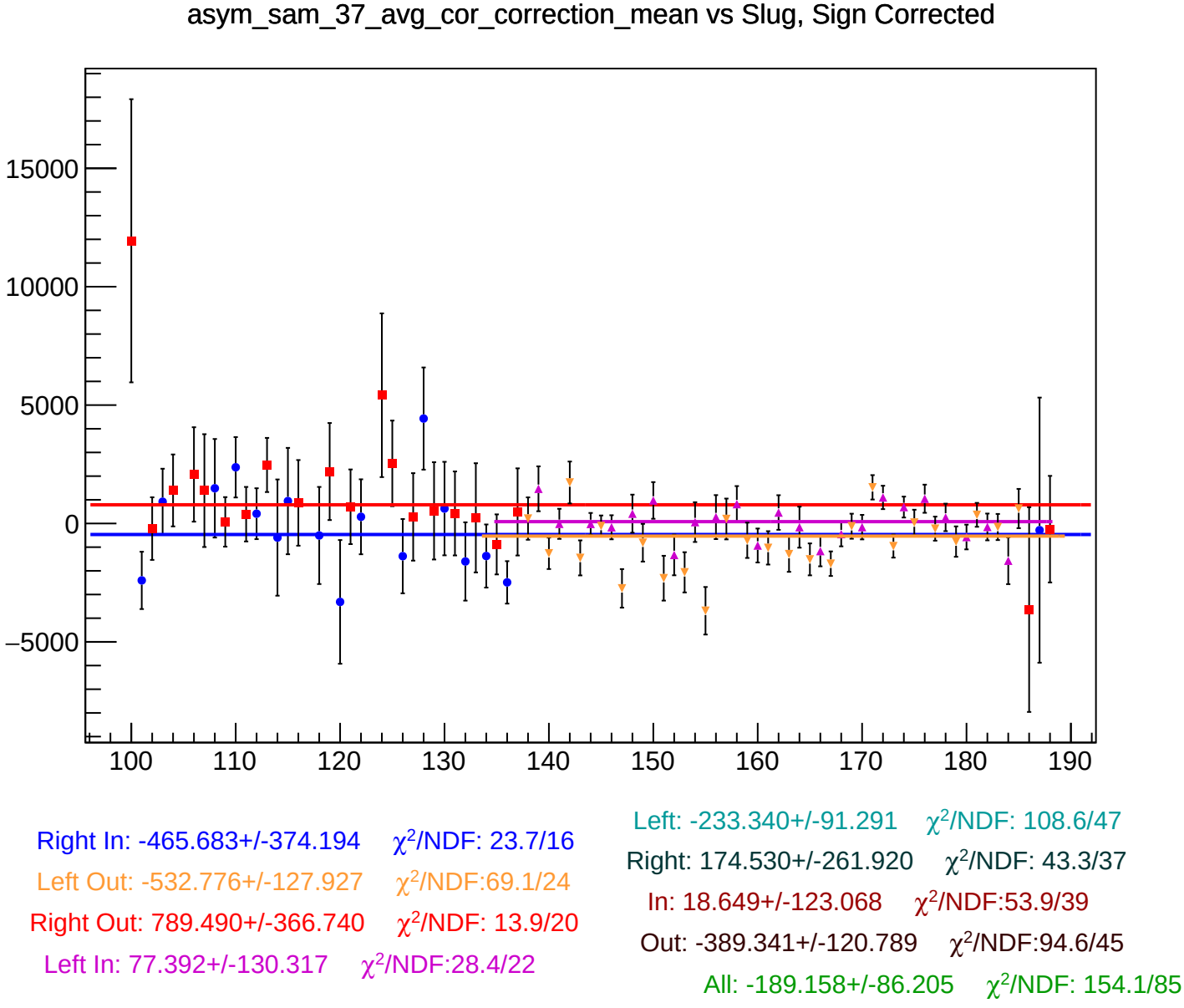
Left: 62.248+/-0.007 χ^2/NDF: 1351864.3/47

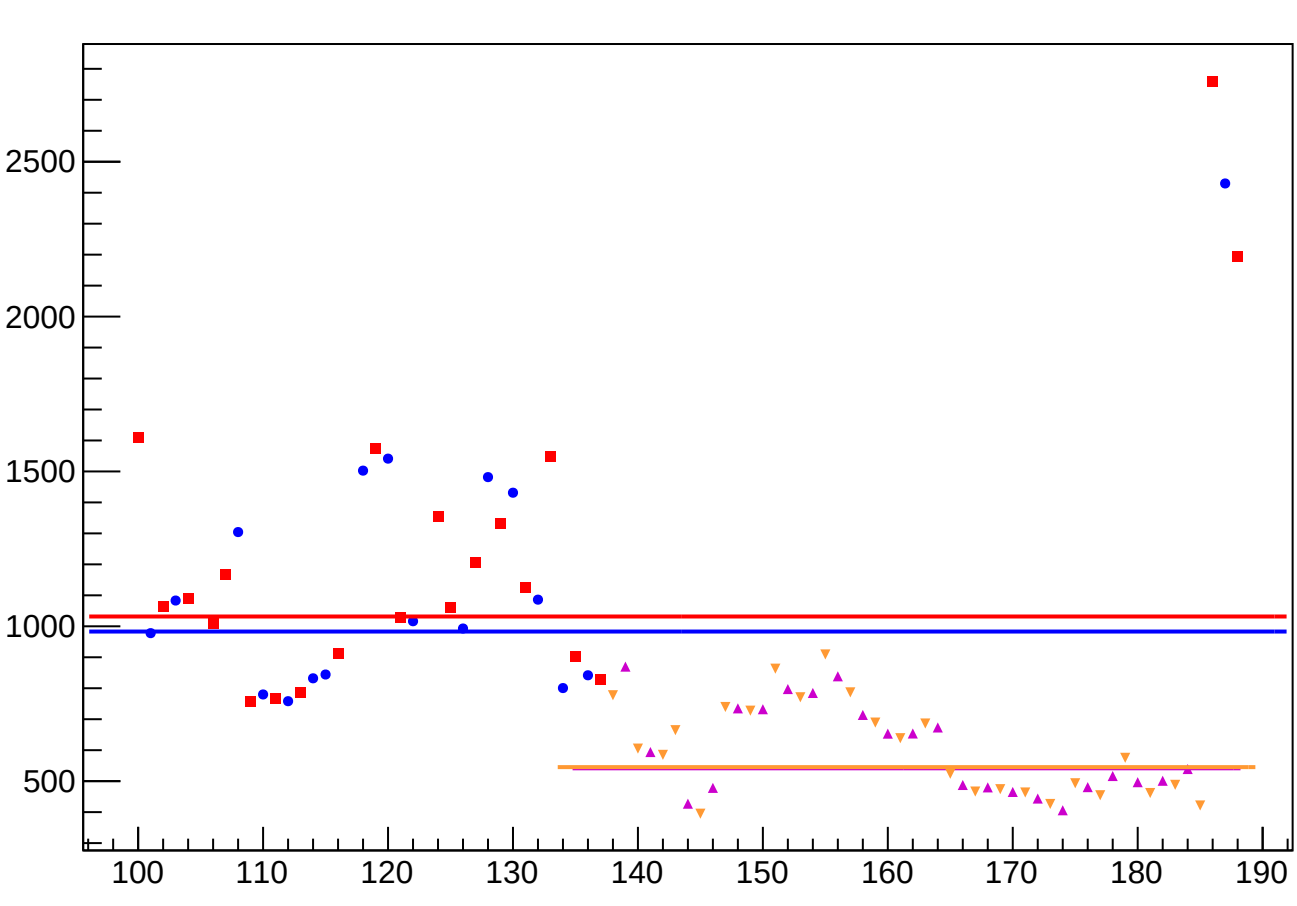
Right: 75.949+/-0.014 χ^2/NDF: 3003585.6/37

In: 65.035+/-0.009 χ^2/NDF:1910453.6/39

Out: 65.141+/-0.009 χ^2/NDF:3179413.6/45

All: 65.089+/-0.006 χ^2/NDF: 5089933.6/85


asym_sam_37_avg_cor_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
100
110
120
130
140
150
160
170
180
190
Right In: -465.683+/-374.194 χ²/NDF: 23.7/16
Left Out: -532.776+/-127.927 χ²/NDF:69.1/24
Right Out: 789.490+/-366.740 χ²/NDF: 13.9/20
Left In: 77.392+/-130.317 χ²/NDF:28.4/22
Left: -233.340+/-91.291 χ²/NDF: 108.6/47
Right: 174.530+/-261.920 χ²/NDF: 43.3/37
In: 18.649+/-123.068 χ²/NDF:53.9/39
Out: -389.341+/-120.789 χ²/NDF:94.6/45
All: -189.158+/-86.205 χ²/NDF: 154.1/85



Right In: 983.082+/-0.265 χ^2/NDF: 870803.4/16

Left Out: 545.304+/-0.090 χ^2/NDF:2083686.2/24

Right Out: 1031.664+/-0.259 χ^2/NDF: 1595792.5/20

Left In: 541.458+/-0.092 χ^2/NDF:1840342.7/22

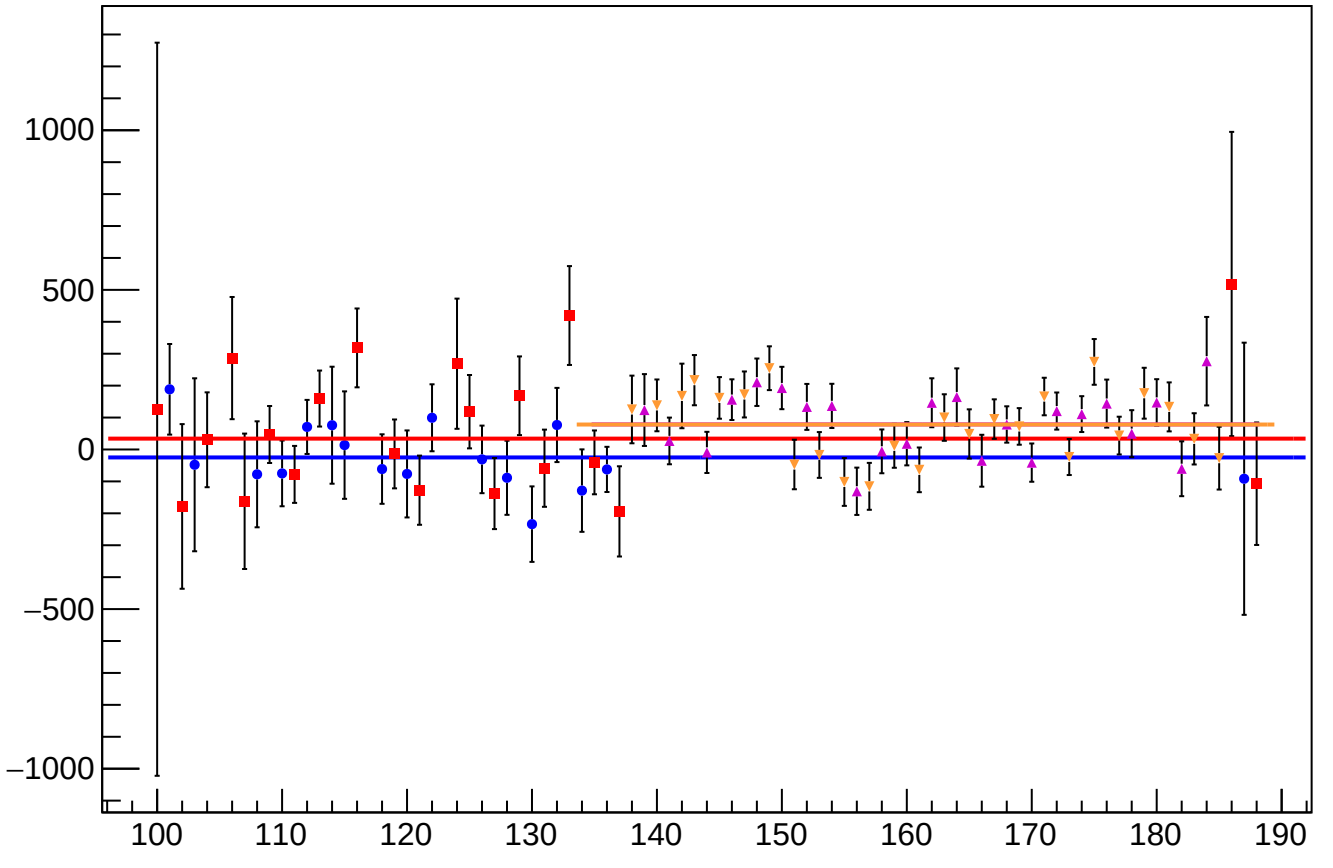
Left: 543.417+/-0.065 χ^2/NDF: 3924916.2/47

Right: 1007.861+/-0.185 χ^2/NDF: 2483791.1/37

In: 589.227+/-0.087 χ^2/NDF:5195561.6/39

Out: 598.063+/-0.085 χ^2/NDF:6815367.1/45

All: 593.727+/-0.061 χ^2/NDF: 12016180.1/85



Right In: -24.947+/-28.846 χ^2/NDF: 11.0/16

Left Out: 78.162+/-14.326 χ^2/NDF:53.9/24

Right Out: 34.003+/-28.100 χ^2/NDF: 31.6/20

Left In: 78.506+/-14.811 χ^2/NDF:36.7/22

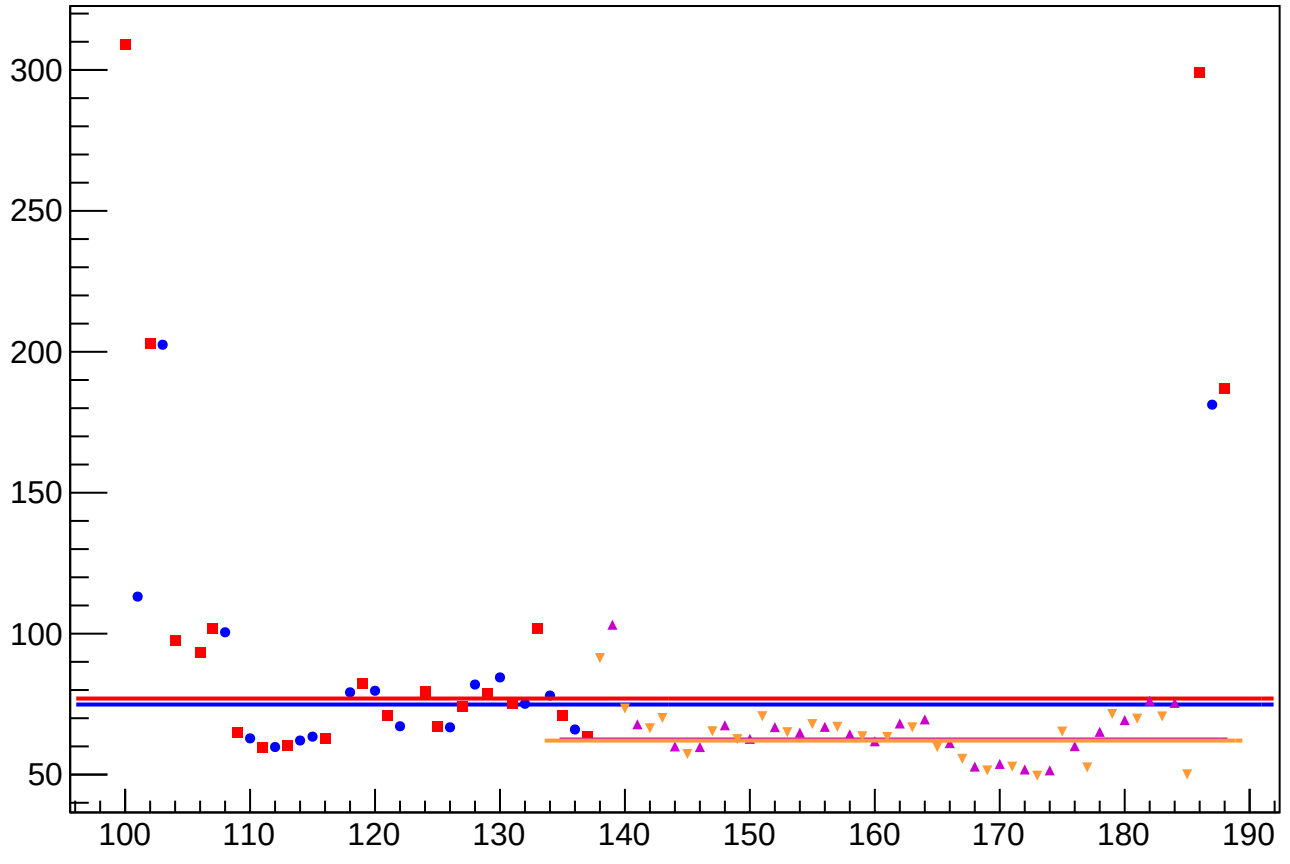
Left: 78.329+/-10.297 χ^2/NDF: 90.5/47

Right: 5.300+/-20.129 χ^2/NDF: 44.8/37

In: 56.922+/-13.176 χ^2/NDF:57.9/39

Out: 69.053+/-12.763 χ^2/NDF:87.4/45

All: 63.181+/-9.167 χ^2/NDF: 145.8/85



Right In: 74.858+/-0.020 χ^2/NDF: 952722.6/16

Left Out: 62.063+/-0.010 χ^2/NDF:686530.2/24

Right Out: 76.984+/-0.020 χ^2/NDF: 2045291.3/20

Left In: 62.445+/-0.010 χ^2/NDF:664644.9/22

Left: 62.248+/-0.007 χ^2/NDF: 1351864.3/47

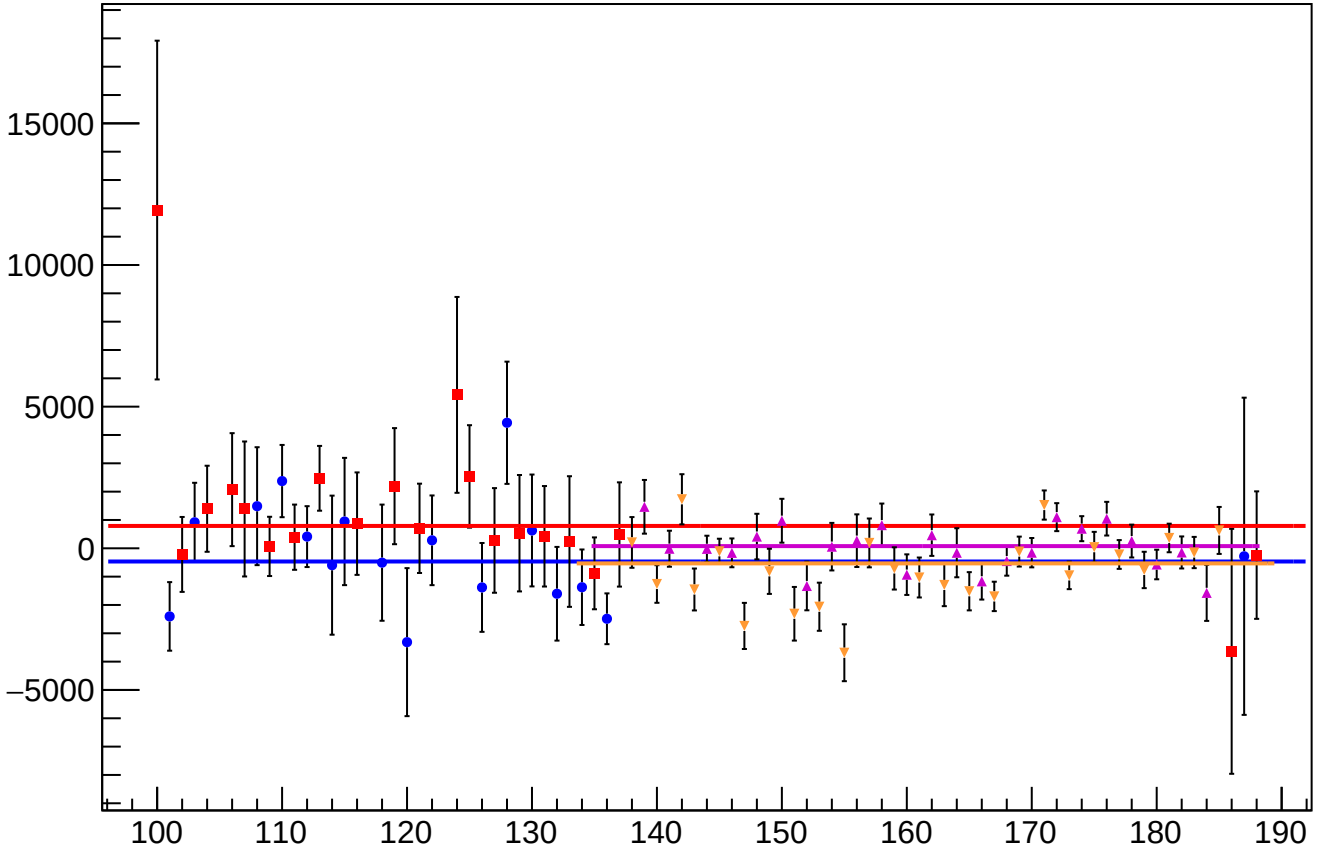
Right: 75.949+/-0.014 χ^2/NDF: 3003585.6/37

In: 65.035+/-0.009 χ^2/NDF:1910453.6/39

Out: 65.141+/-0.009 χ^2/NDF:3179413.6/45

All: 65.089+/-0.006 χ^2/NDF: 5089933.6/85

asym_sam_37_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -465.683+/-374.194 χ^2/NDF: 23.7/16

Left Out: -532.776+/-127.927 χ^2/NDF:69.1/24

Right Out: 789.490+/-366.740 χ^2/NDF: 13.9/20

Left In: 77.392+/-130.317 χ^2/NDF:28.4/22

Left: -233.340+/-91.291 χ^2/NDF: 108.6/47

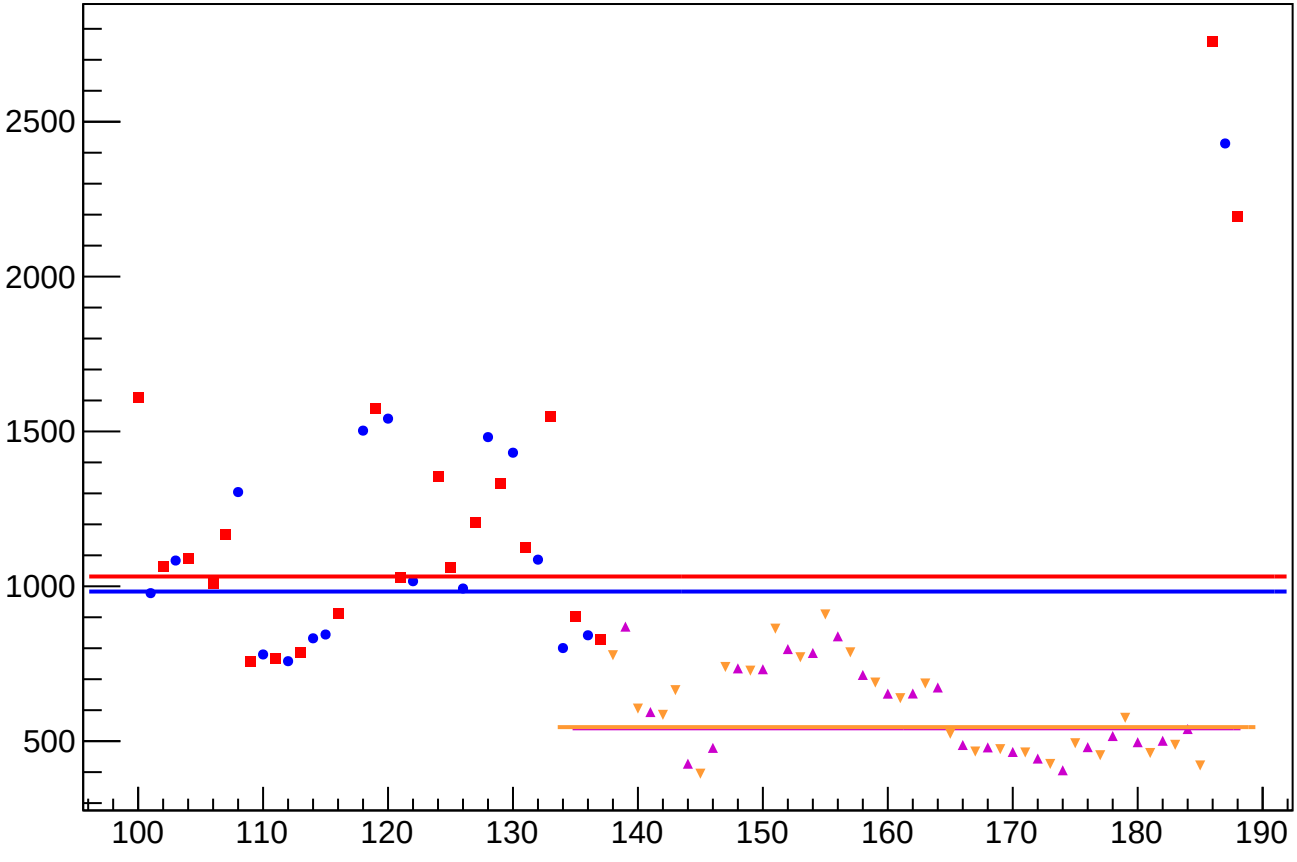
Right: 174.530+/-261.920 χ^2/NDF: 43.3/37

In: 18.649+/-123.068 χ^2/NDF:53.9/39

Out: -389.341+/-120.789 χ^2/NDF:94.6/45

All: -189.158+/-86.205 χ^2/NDF: 154.1/85

asym_sam_37_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 983.082+/-0.265 χ^2/NDF: 870803.4/16

Left Out: 545.304+/-0.090 χ^2/NDF:2083686.2/24

Right Out: 1031.664+/-0.259 χ^2/NDF: 1595792.5/20

Left In: 541.458+/-0.092 χ^2/NDF:1840342.7/22

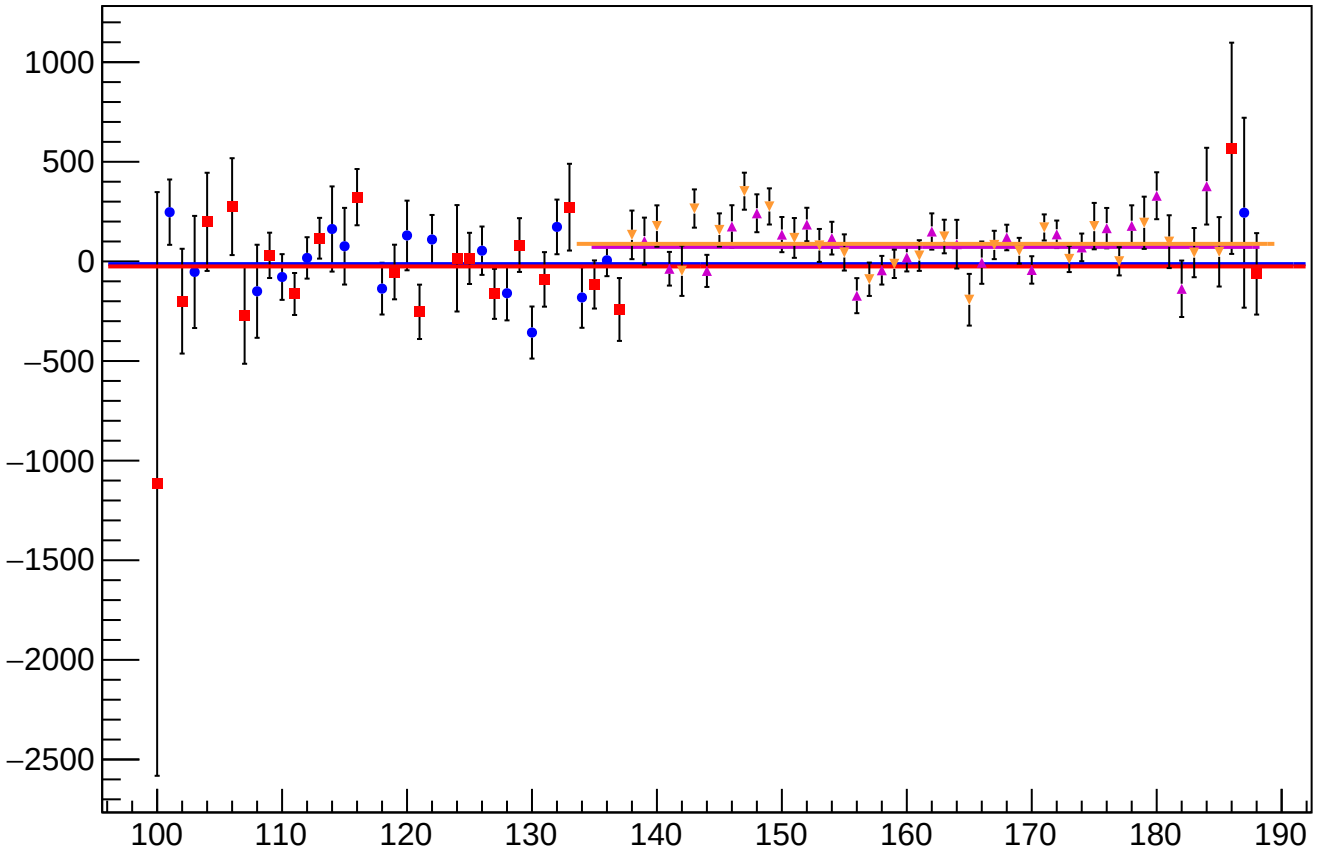
Left: 543.417+/-0.065 χ^2/NDF: 3924916.2/47

Right: 1007.861+/-0.185 χ^2/NDF: 2483791.1/37

In: 589.227+/-0.087 χ^2/NDF:5195561.6/39

Out: 598.063+/-0.085 χ^2/NDF:6815367.1/45

All: 593.727+/-0.061 χ^2/NDF: 12016180.1/85



Right In: -13.659+/-33.676 χ^2/NDF: 18.5/16

Left Out: 88.040+/-17.745 χ^2/NDF:36.9/24

Right Out: -25.240+/-33.542 χ^2/NDF: 24.9/20

Left In: 72.849+/-18.276 χ^2/NDF:38.4/22

Left: 80.668+/-12.731 χ^2/NDF: 75.7/47

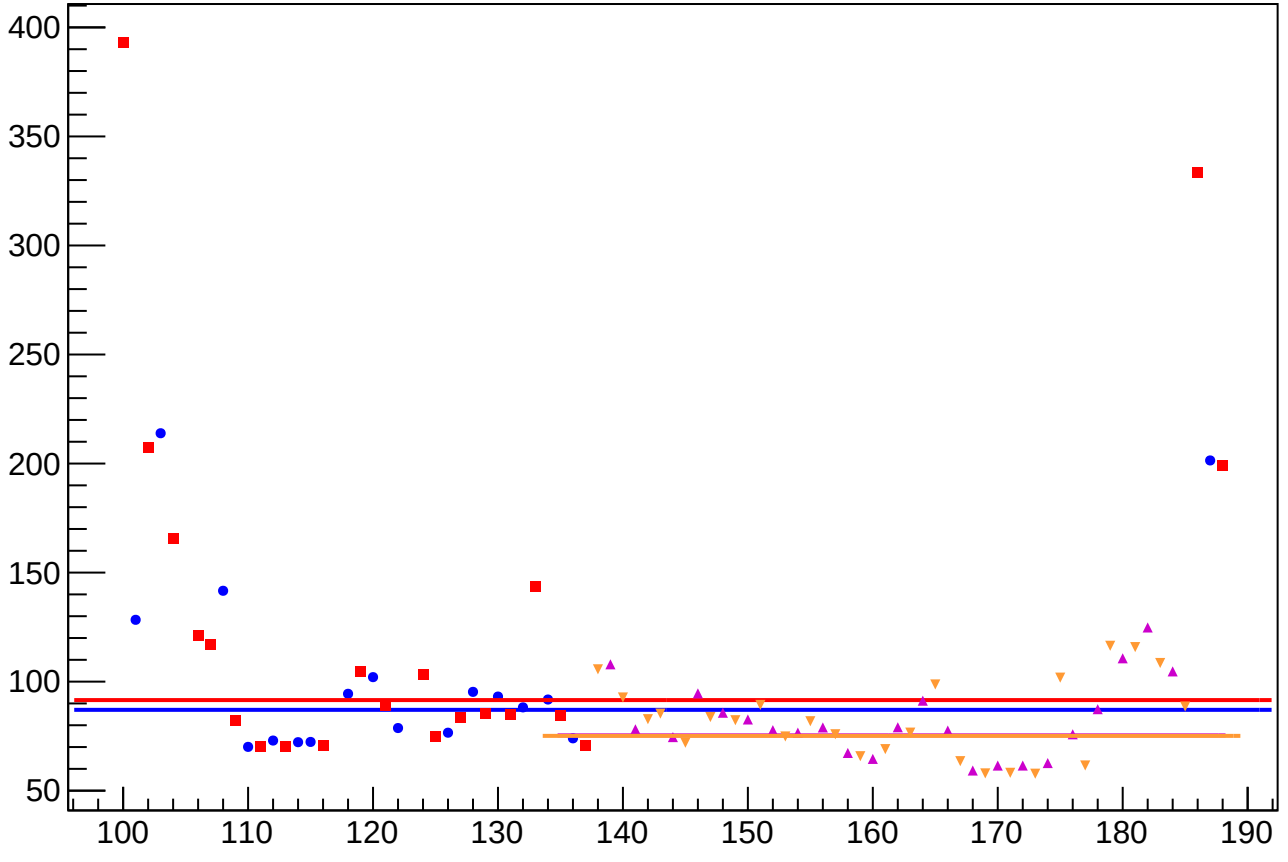
Right: -19.472+/-23.765 χ^2/NDF: 43.5/37

In: 53.168+/-16.063 χ^2/NDF:62.1/39

Out: 63.269+/-15.685 χ^2/NDF:70.7/45

All: 58.339+/-11.222 χ^2/NDF: 133.0/85

dit_asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 87.063+/-0.024 χ^2/NDF: 971970.3/16

Left Out: 75.128+/-0.013 χ^2/NDF:1601461.8/24

Right Out: 91.538+/-0.024 χ^2/NDF: 2125533.1/20

Left In: 75.363+/-0.013 χ^2/NDF:1225318.4/22

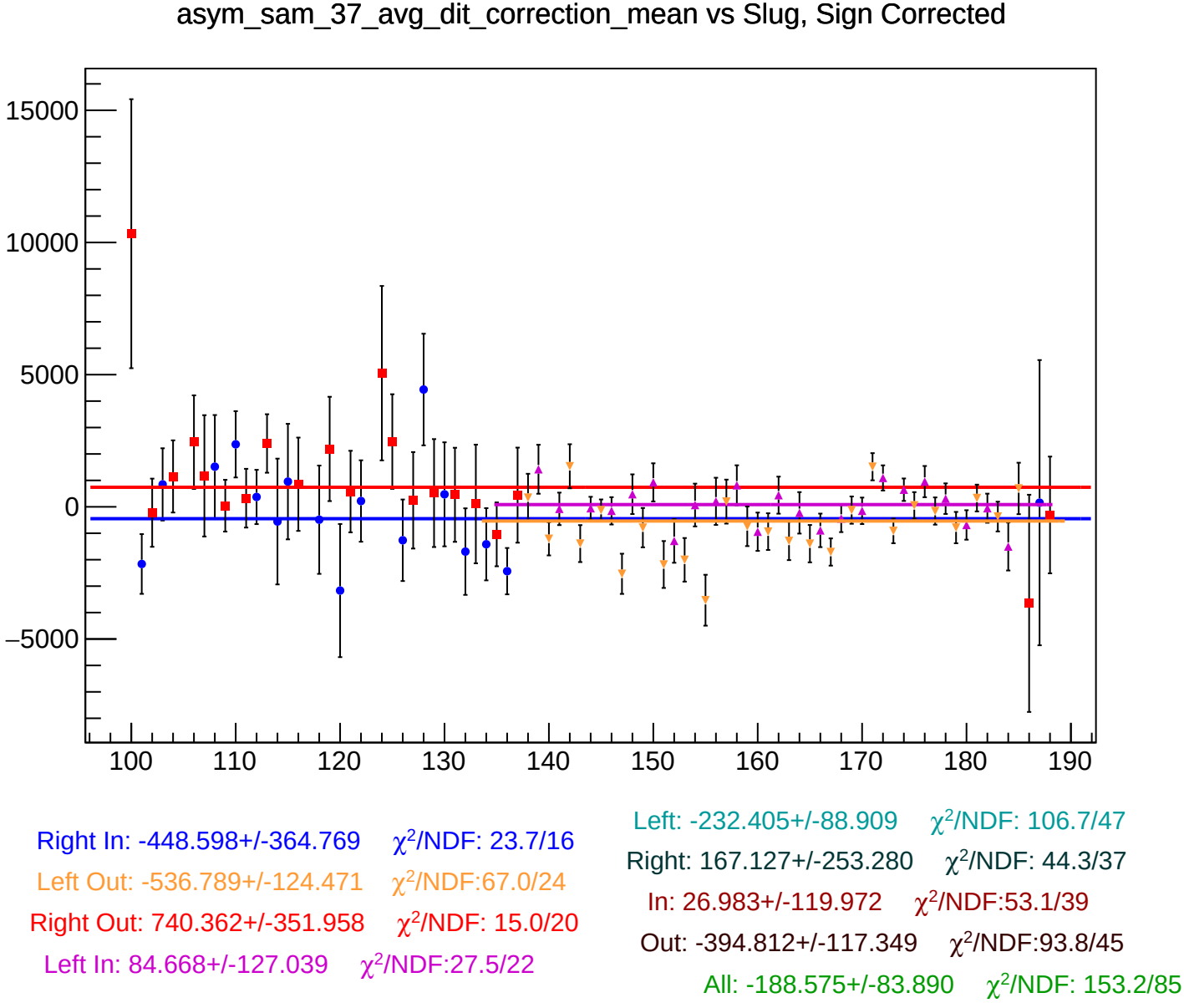
Left: 75.242+/-0.009 χ^2/NDF: 2826950.4/47

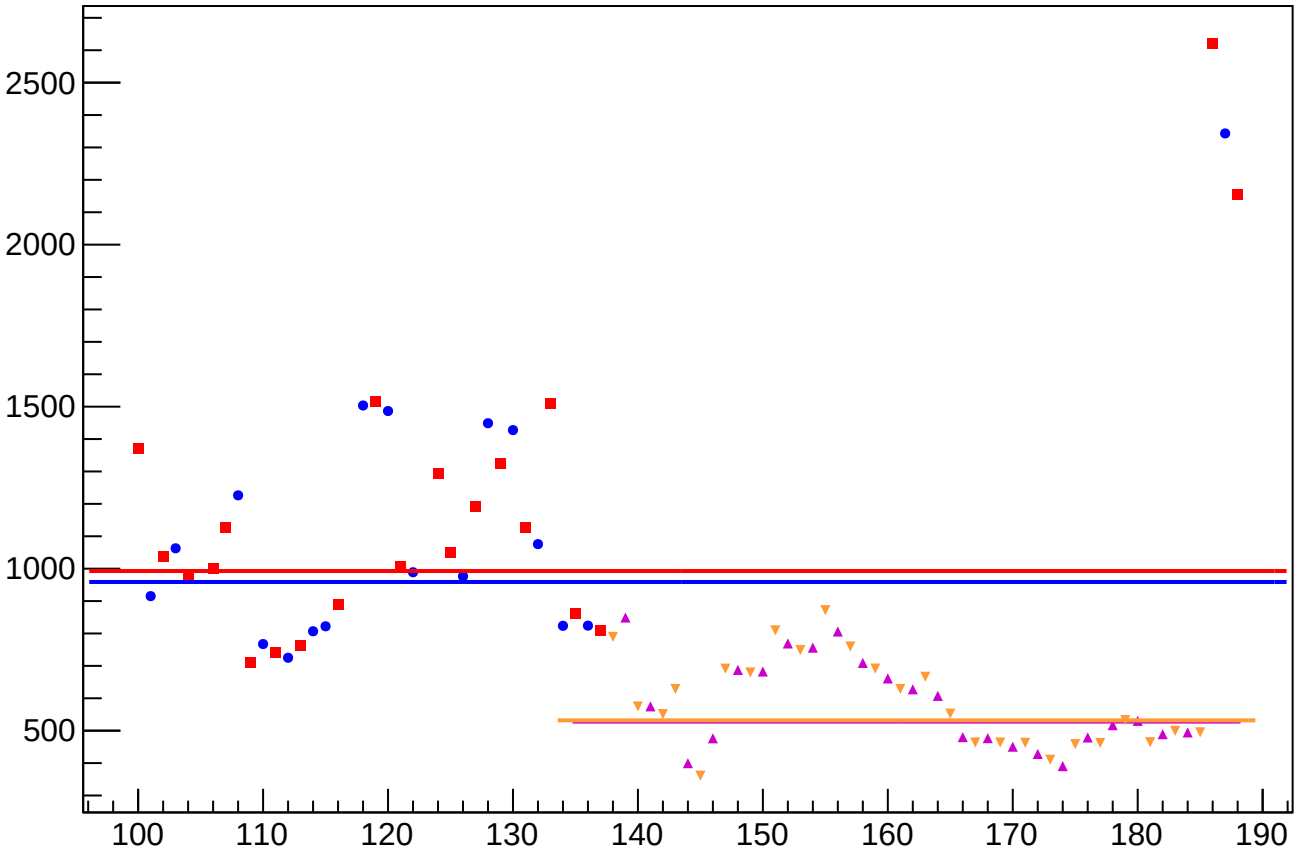
Right: 89.309+/-0.017 χ^2/NDF: 3115232.2/37

In: 78.025+/-0.011 χ^2/NDF:2383765.0/39

Out: 78.716+/-0.011 χ^2/NDF:4101015.3/45

All: 78.379+/-0.008 χ^2/NDF: 6486677.9/85


asym_sam_37_avg_dit_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
100
110
120
130
140
150
160
170
180
190
Right In: -448.598+/-364.769 χ²/NDF: 23.7/16
Left Out: -536.789+/-124.471 χ²/NDF:67.0/24
Right Out: 740.362+/-351.958 χ²/NDF: 15.0/20
Left In: 84.668+/-127.039 χ²/NDF:27.5/22
Left: -232.405+/-88.909 χ²/NDF: 106.7/47
Right: 167.127+/-253.280 χ²/NDF: 44.3/37
In: 26.983+/-119.972 χ²/NDF:53.1/39
Out: -394.812+/-117.349 χ²/NDF:93.8/45
All: -188.575+/-83.890 χ²/NDF: 153.2/85



Right In: 958.908+/-0.258 χ^2/NDF: 878630.6/16

Left Out: 531.872+/-0.088 χ^2/NDF:2037750.0/24

Right Out: 992.768+/-0.249 χ^2/NDF: 1648358.7/20

Left In: 527.986+/-0.090 χ^2/NDF:1800455.5/22

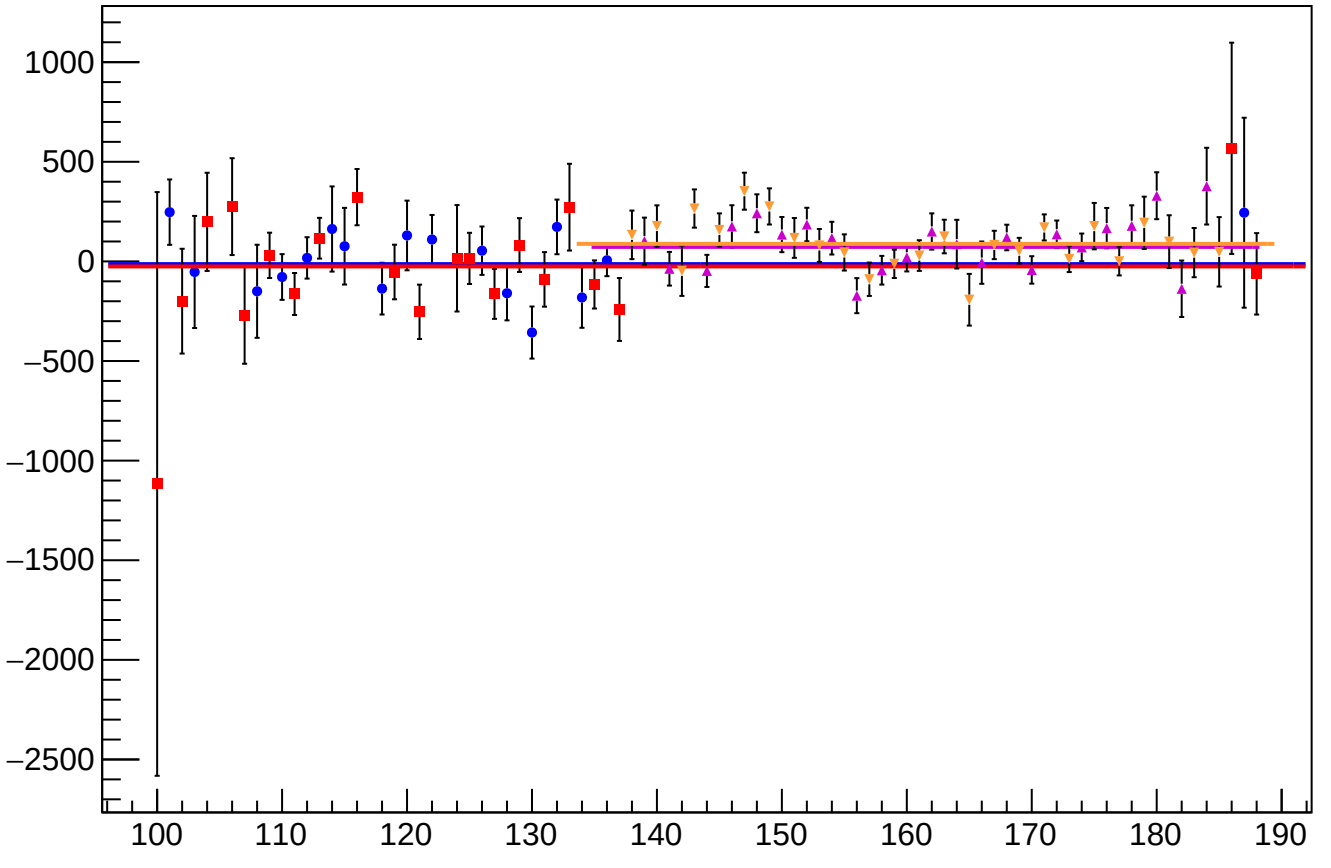
Left: 529.969+/-0.063 χ^2/NDF: 3839160.5/47

Right: 976.443+/-0.179 χ^2/NDF: 2535913.8/37

In: 574.600+/-0.085 χ^2/NDF:5168361.9/39

Out: 583.109+/-0.083 χ^2/NDF:6734519.8/45

All: 578.948+/-0.059 χ^2/NDF: 11908022.8/85



Right In: -13.659+/-33.677 χ^2/NDF: 18.5/16

Left Out: 88.040+/-17.745 χ^2/NDF:36.9/24

Right Out: -25.243+/-33.542 χ^2/NDF: 24.9/20

Left In: 72.848+/-18.276 χ^2/NDF:38.4/22

Left: 80.668+/-12.731 χ^2/NDF: 75.7/47

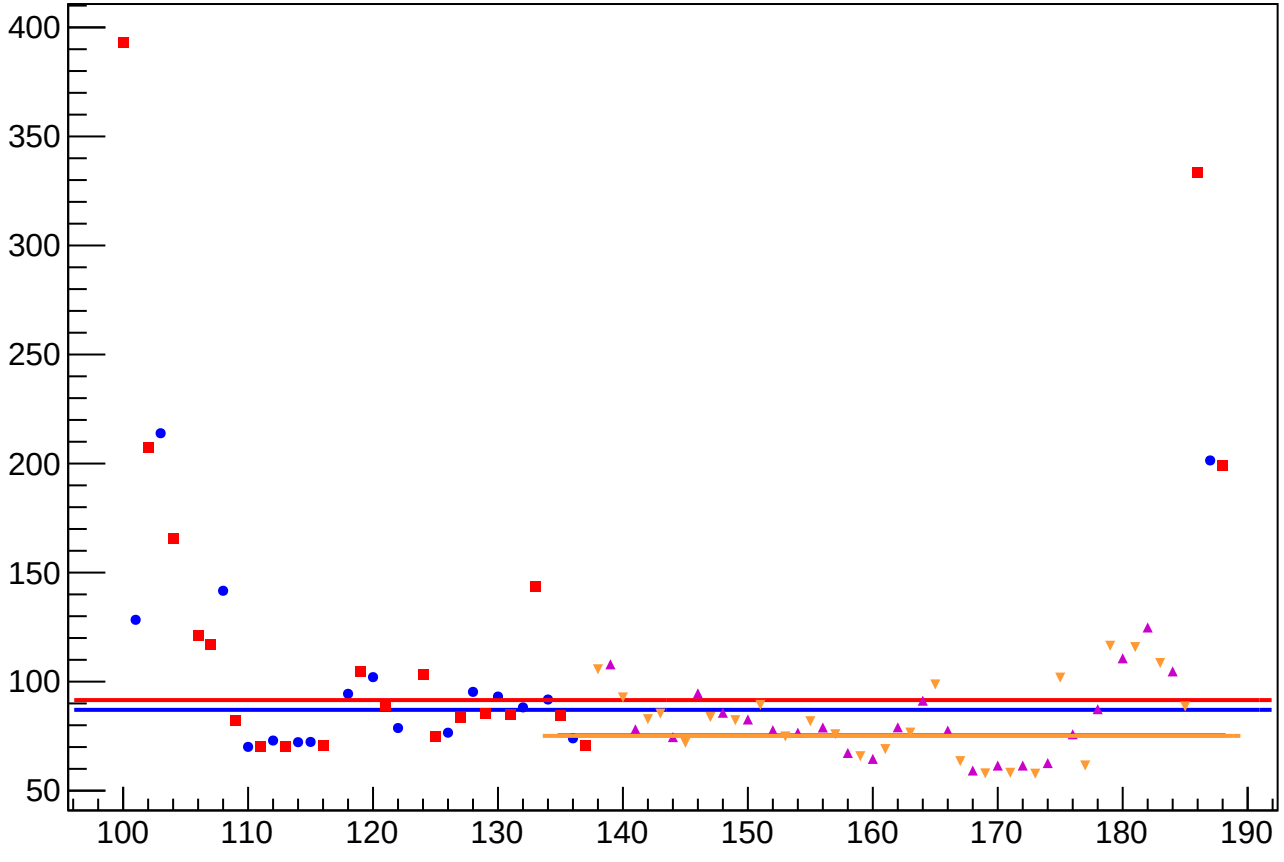
Right: -19.474+/-23.765 χ^2/NDF: 43.5/37

In: 53.167+/-16.063 χ^2/NDF:62.1/39

Out: 63.269+/-15.685 χ^2/NDF:70.7/45

All: 58.338+/-11.222 χ^2/NDF: 133.0/85

eigen_dit_asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 87.063+/-0.024 χ^2/NDF: 971963.9/16

Left Out: 75.128+/-0.013 χ^2/NDF:1601462.6/24

Right Out: 91.538+/-0.024 χ^2/NDF: 2125533.2/20

Left In: 75.363+/-0.013 χ^2/NDF:1225319.2/22

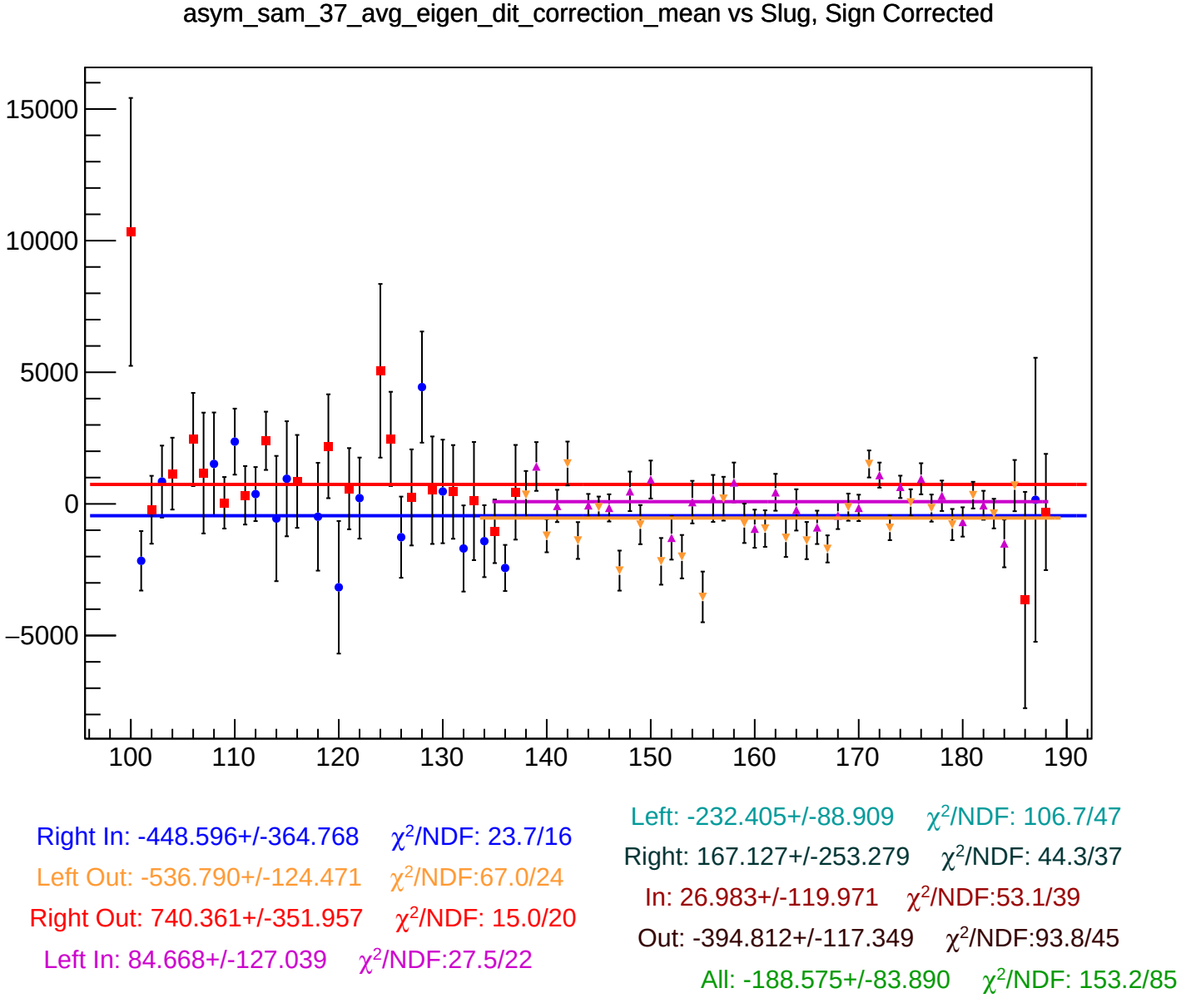
Left: 75.242+/-0.009 χ^2/NDF: 2826952.0/47

Right: 89.310+/-0.017 χ^2/NDF: 3115226.6/37

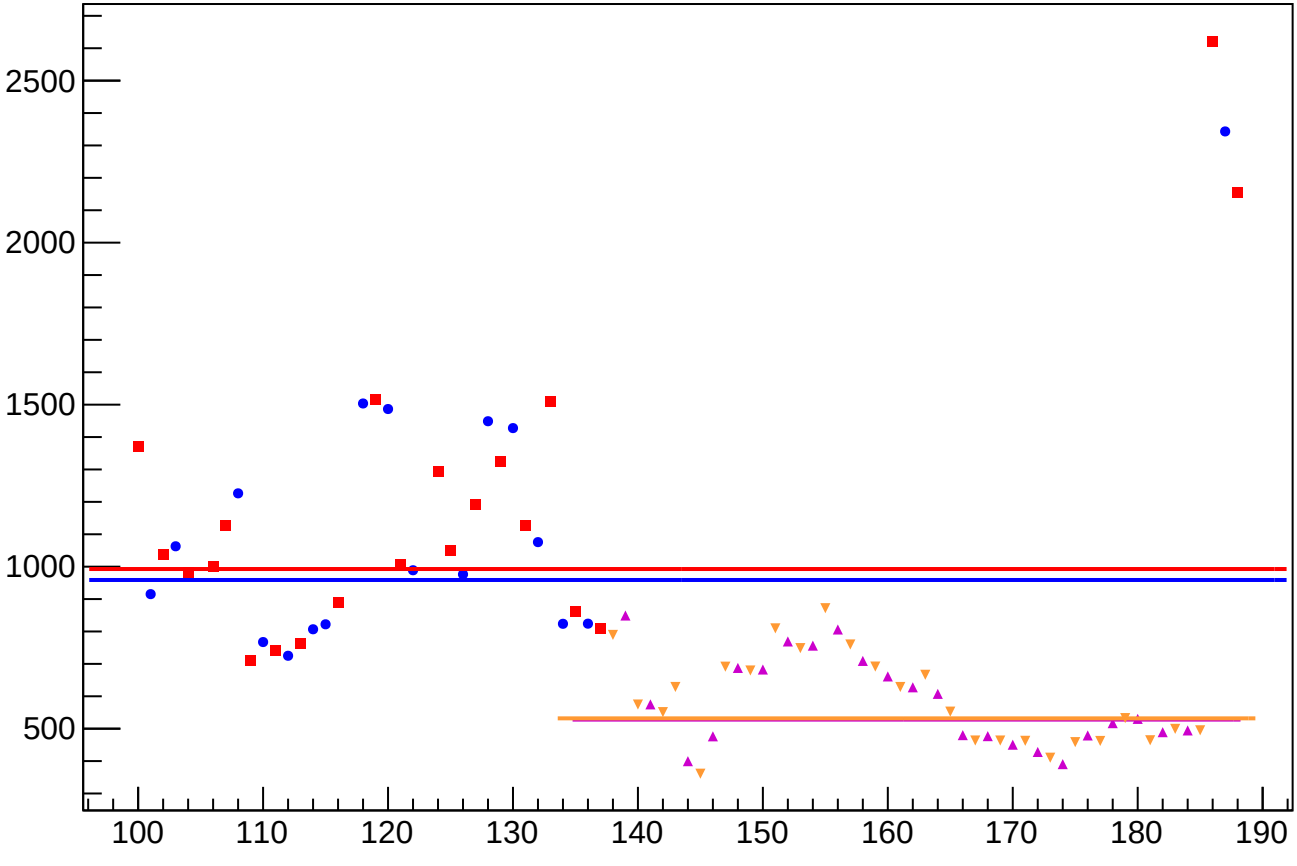
In: 78.025+/-0.011 χ^2/NDF:2383762.7/39

Out: 78.717+/-0.011 χ^2/NDF:4101022.9/45

All: 78.379+/-0.008 χ^2/NDF: 6486683.4/85


asym_sam_37_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
100
110
120
130
140
150
160
170
180
190
Right In: -448.596+/-364.768 χ²/NDF: 23.7/16
Left Out: -536.790+/-124.471 χ²/NDF:67.0/24
Right Out: 740.361+/-351.957 χ²/NDF: 15.0/20
Left In: 84.668+/-127.039 χ²/NDF:27.5/22
Left: -232.405+/-88.909 χ²/NDF: 106.7/47
Right: 167.127+/-253.279 χ²/NDF: 44.3/37
In: 26.983+/-119.971 χ²/NDF:53.1/39
Out: -394.812+/-117.349 χ²/NDF:93.8/45
All: -188.575+/-83.890 χ²/NDF: 153.2/85

asym_sam_37_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 958.906+/-0.258 χ^2/NDF: 878633.2/16

Left Out: 531.872+/-0.088 χ^2/NDF:2037744.9/24

Right Out: 992.766+/-0.249 χ^2/NDF: 1648358.4/20

Left In: 527.986+/-0.090 χ^2/NDF:1800449.7/22

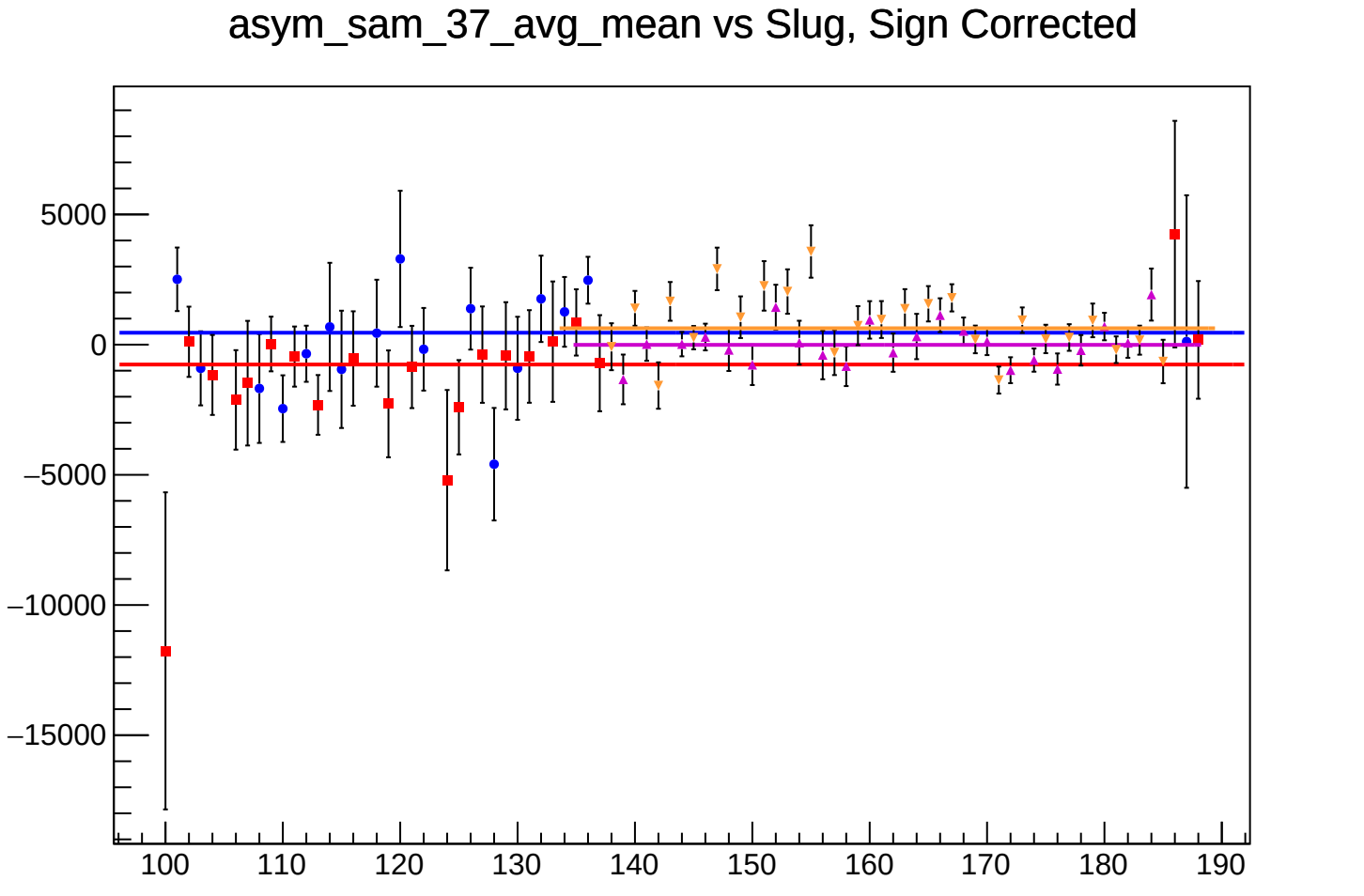
Left: 529.968+/-0.063 χ^2/NDF: 3839149.6/47

Right: 976.441+/-0.179 χ^2/NDF: 2535916.0/37

In: 574.600+/-0.085 χ^2/NDF:5168348.3/39

Out: 583.108+/-0.083 χ^2/NDF:6734504.0/45

All: 578.948+/-0.059 χ^2/NDF: 11907993.3/85



Right In: 457.615+/-376.028 χ^2/NDF: 24.6/16

Left Out: 629.379+/-128.853 χ^2/NDF:64.9/24

Right Out: -763.542+/-367.892 χ^2/NDF: 13.2/20

Left In: -8.460+/-131.289 χ^2/NDF:27.3/22

Left: 316.431+/-91.962 χ^2/NDF: 104.2/47

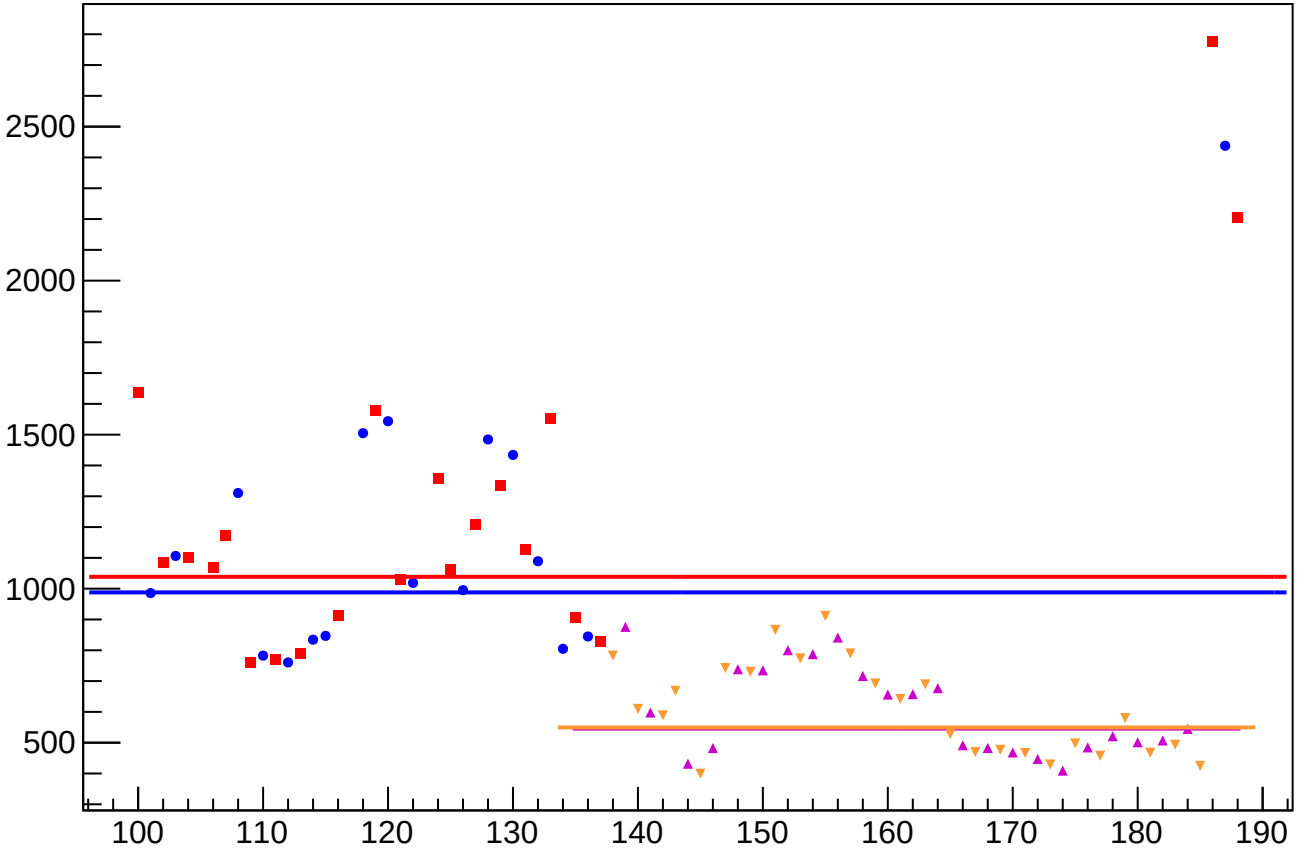
Right: -166.317+/-262.968 χ^2/NDF: 43.1/37

In: 42.182+/-123.951 χ^2/NDF:53.3/39

Out: 477.176+/-121.610 χ^2/NDF:90.9/45

All: 263.827+/-86.807 χ^2/NDF: 150.4/85

asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 987.876+/-0.266 χ^2/NDF: 871501.2/16

Left Out: 549.475+/-0.091 χ^2/NDF:2053905.8/24

Right Out: 1038.518+/-0.260 χ^2/NDF: 1599815.0/20

Left In: 545.708+/-0.093 χ^2/NDF:1814508.3/22

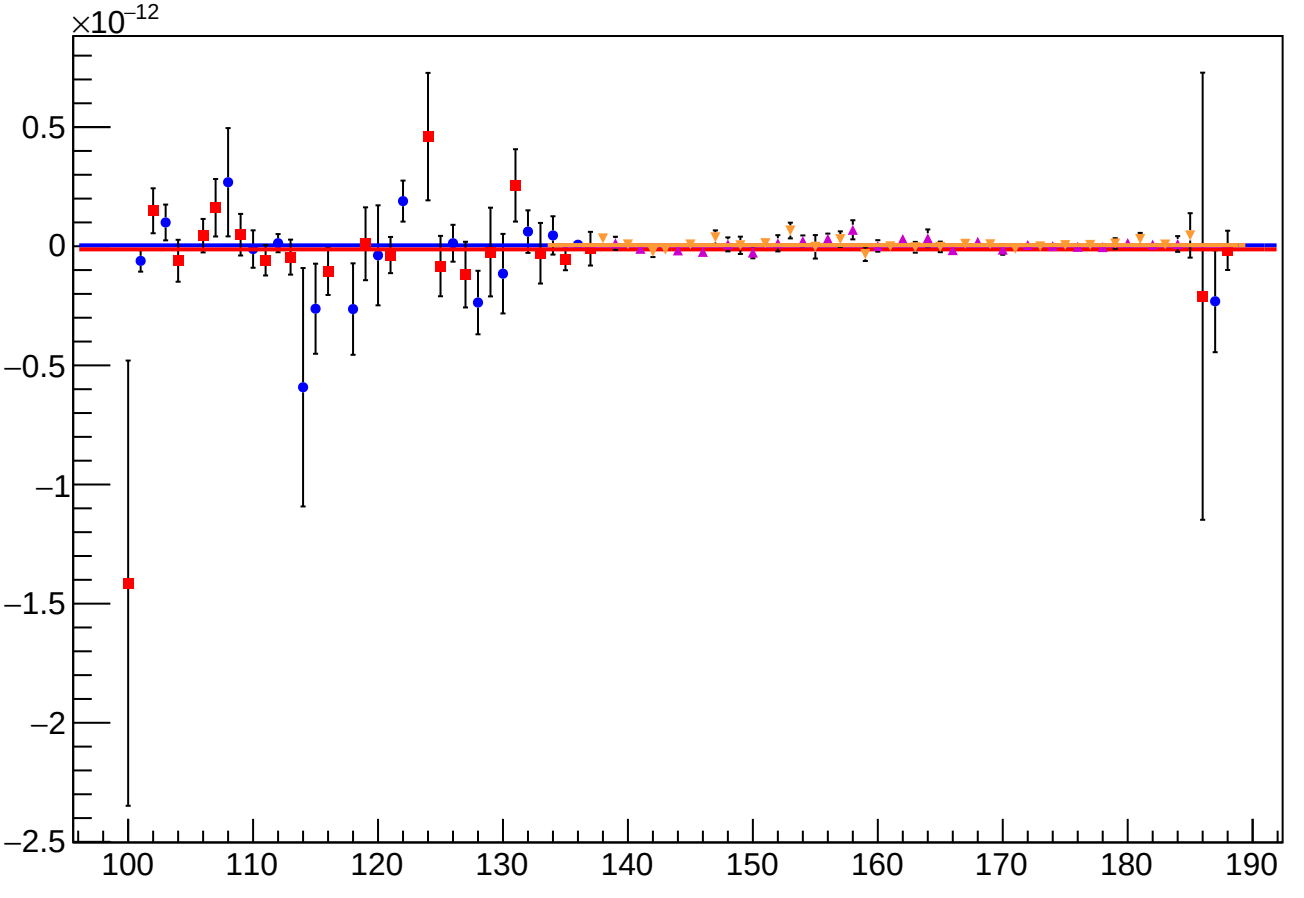
Left: 547.627+/-0.065 χ^2/NDF: 3869252.6/47

Right: 1013.751+/-0.186 χ^2/NDF: 2489850.7/37

In: 593.753+/-0.088 χ^2/NDF:5150963.1/39

Out: 602.912+/-0.086 χ^2/NDF:6801692.0/45

All: 598.420+/-0.061 χ^2/NDF: 11958219.0/85



Right In: 0.000+/-0.000 χ^2/NDF: 20.9/16

Left Out: 0.000+/-0.000 χ^2/NDF:15.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 18.5/20

Left In: 0.000+/-0.000 χ^2/NDF:20.0/22

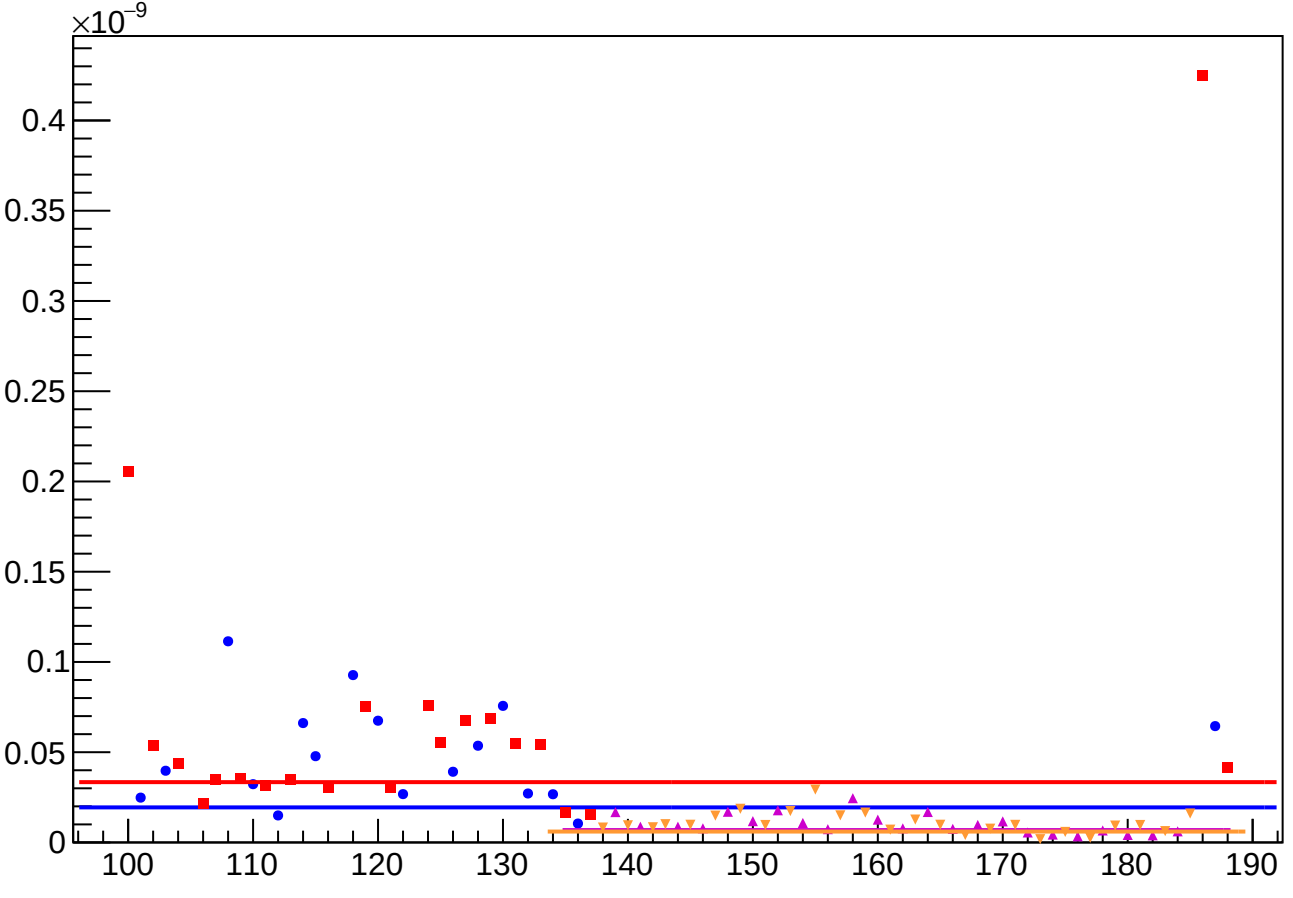
Left: 0.000+/-0.000 χ^2/NDF: 35.9/47

Right: -0.000+/-0.000 χ^2/NDF: 39.8/37

In: 0.000+/-0.000 χ^2/NDF:40.9/39

Out: 0.000+/-0.000 χ^2/NDF:34.9/45

All: 0.000+/-0.000 χ^2/NDF: 76.0/85



Right In: 0.000+/-0.000 χ^2/NDF: 2067087.0/16

Left Out: 0.000+/-0.000 χ^2/NDF:3623754.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 1550539.9/20

Left In: 0.000+/-0.000 χ^2/NDF:2417942.7/22

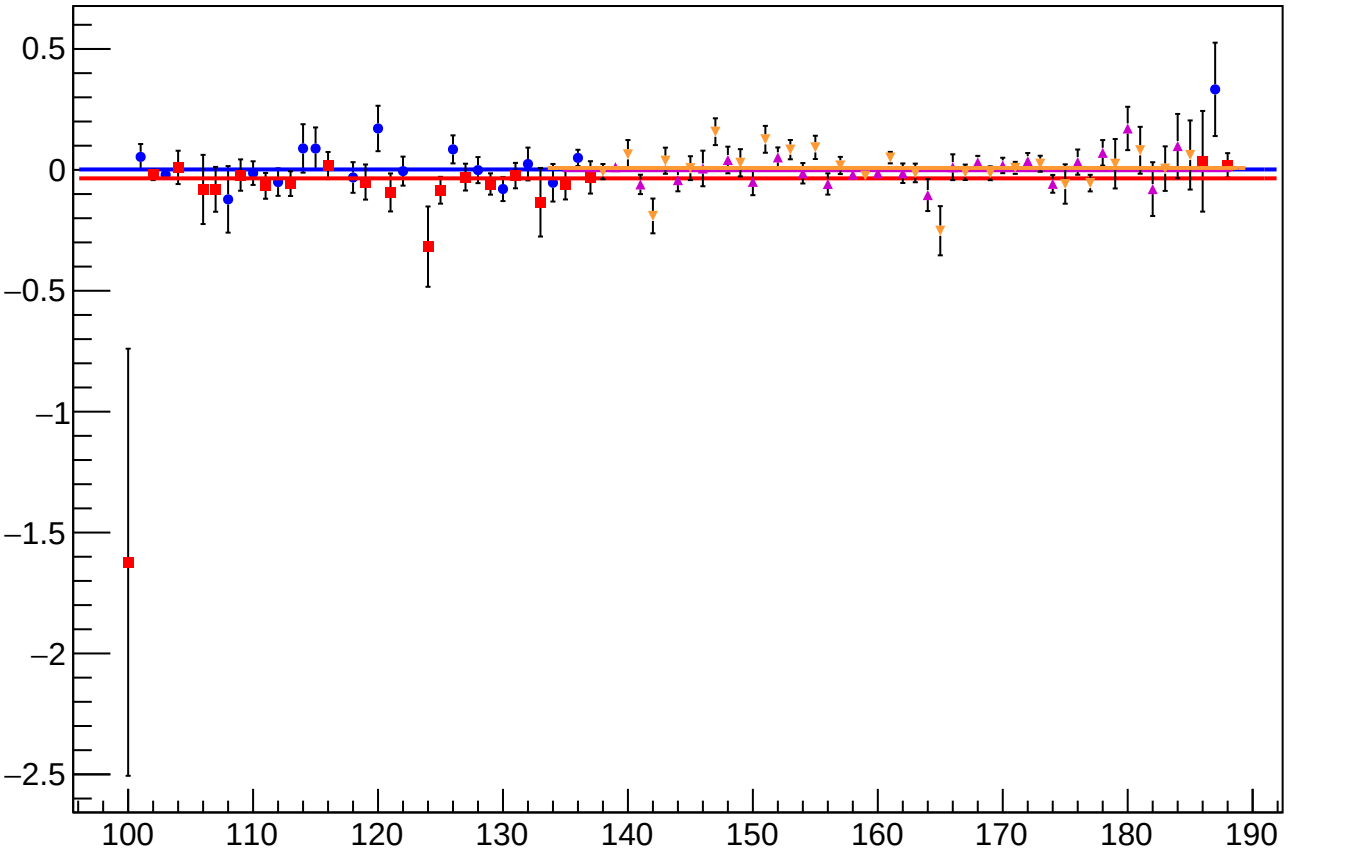
Left: 0.000+/-0.000 χ^2/NDF: 6106655.5/47

Right: 0.000+/-0.000 χ^2/NDF: 4257368.7/37

In: 0.000+/-0.000 χ^2/NDF:5927672.4/39

Out: 0.000+/-0.000 χ^2/NDF:8797612.9/45

All: 0.000+/-0.000 χ^2/NDF: 14797947.9/85



Right In: 0.002+/-0.012 χ^2/NDF: 19.4/16

Left Out: 0.008+/-0.008 χ^2/NDF:47.6/24

Right Out: -0.035+/-0.012 χ^2/NDF: 12.4/20

Left In: -0.001+/-0.007 χ^2/NDF:25.1/22

Left: 0.003+/-0.005 χ^2/NDF: 73.6/47

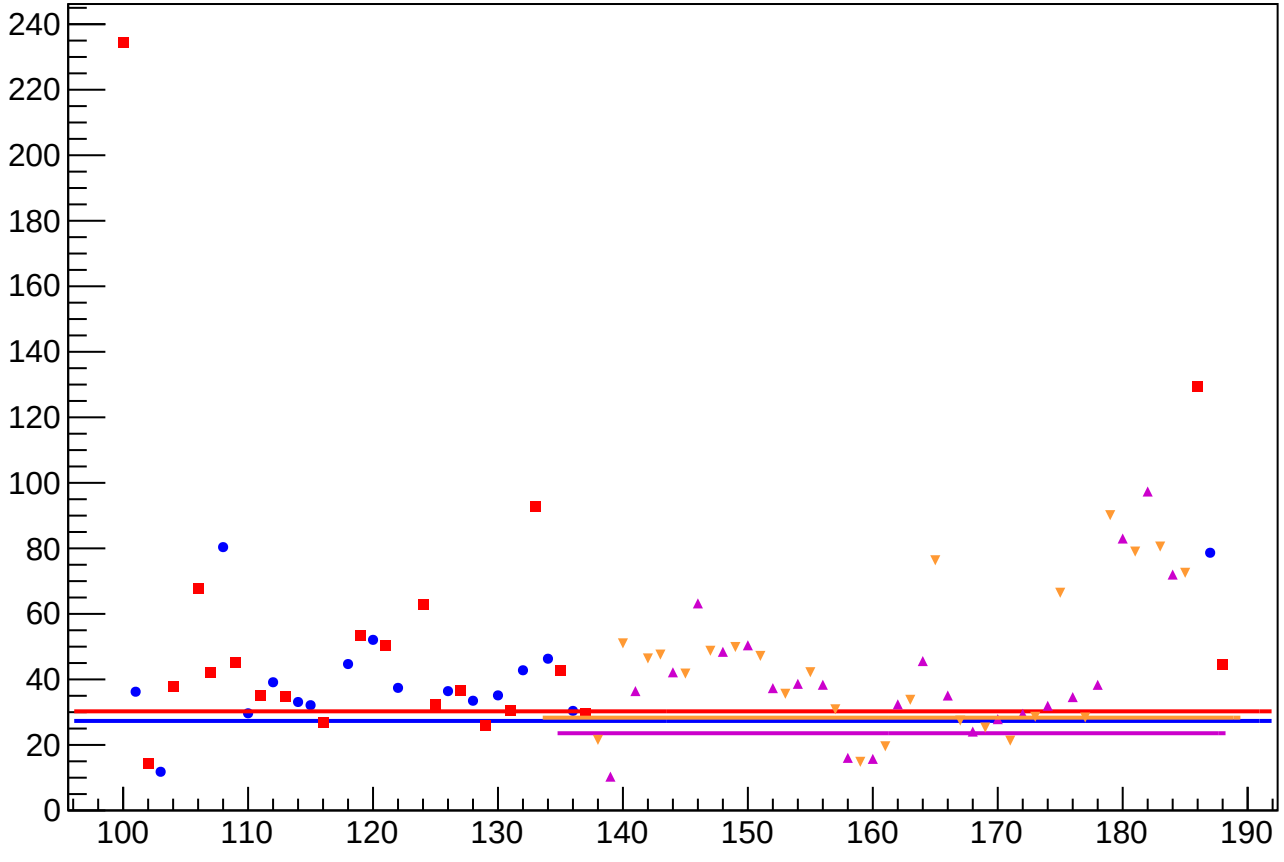
Right: -0.016+/-0.009 χ^2/NDF: 36.5/37

In: -0.001+/-0.006 χ^2/NDF:44.6/39

Out: -0.004+/-0.006 χ^2/NDF:68.9/45

All: -0.002+/-0.004 χ^2/NDF: 113.7/85

asym_sam_37_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.327+/-0.008 χ^2/NDF: 2557218.7/16

Left Out: 28.325+/-0.005 χ^2/NDF:6788307.1/24

Right Out: 30.256+/-0.009 χ^2/NDF: 3093113.9/20

Left In: 23.572+/-0.005 χ^2/NDF:8263833.7/22

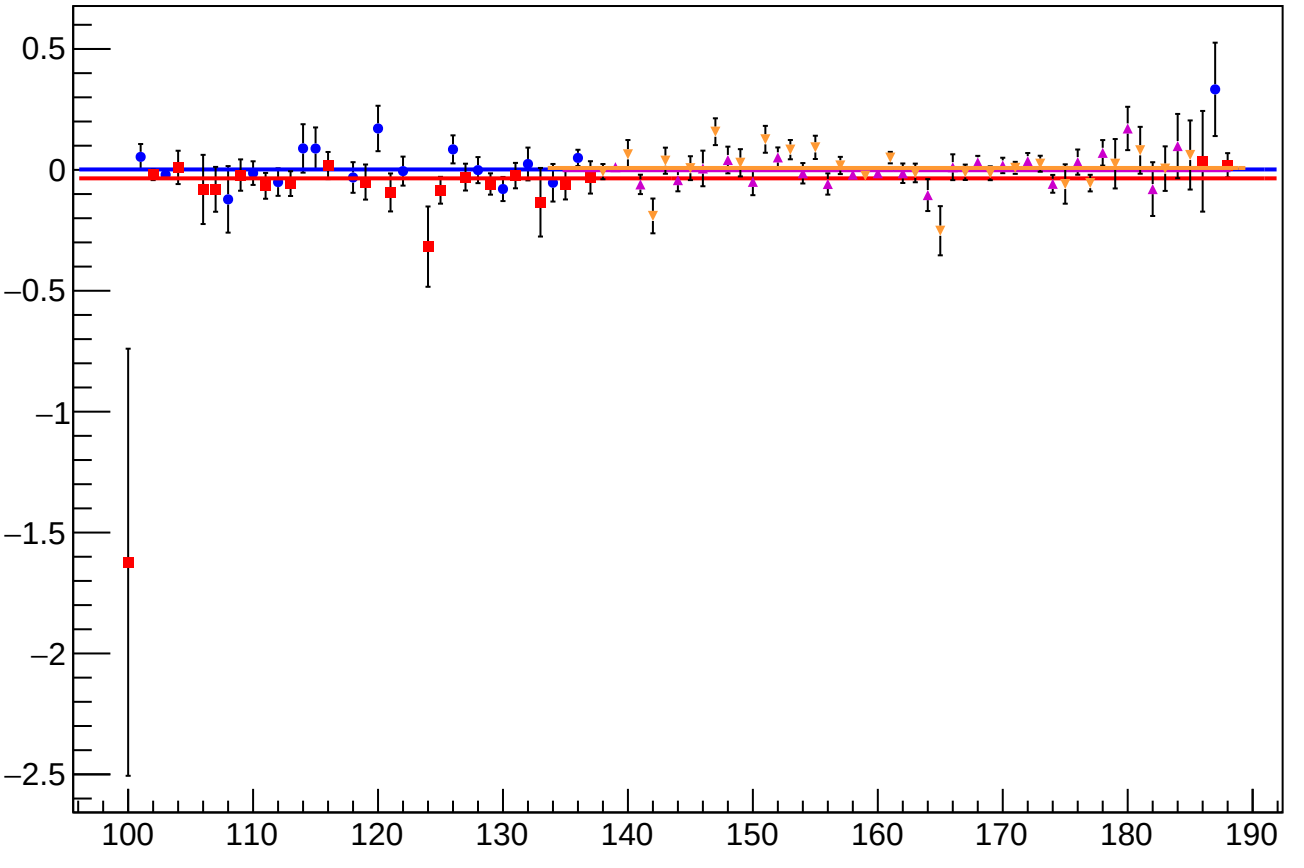
Left: 25.694+/-0.004 χ^2/NDF: 15487591.2/47

Right: 28.765+/-0.006 χ^2/NDF: 5708713.4/37

In: 24.485+/-0.004 χ^2/NDF:10969080.6/39

Out: 28.860+/-0.005 χ^2/NDF:9917460.4/45

All: 26.489+/-0.003 χ^2/NDF: 21386631.8/85



Right In: 0.002+/-0.012 χ^2/NDF: 19.4/16

Left Out: 0.008+/-0.008 χ^2/NDF:47.6/24

Right Out: -0.035+/-0.012 χ^2/NDF: 12.4/20

Left In: -0.001+/-0.007 χ^2/NDF:25.1/22

Left: 0.003+/-0.005 χ^2/NDF: 73.6/47

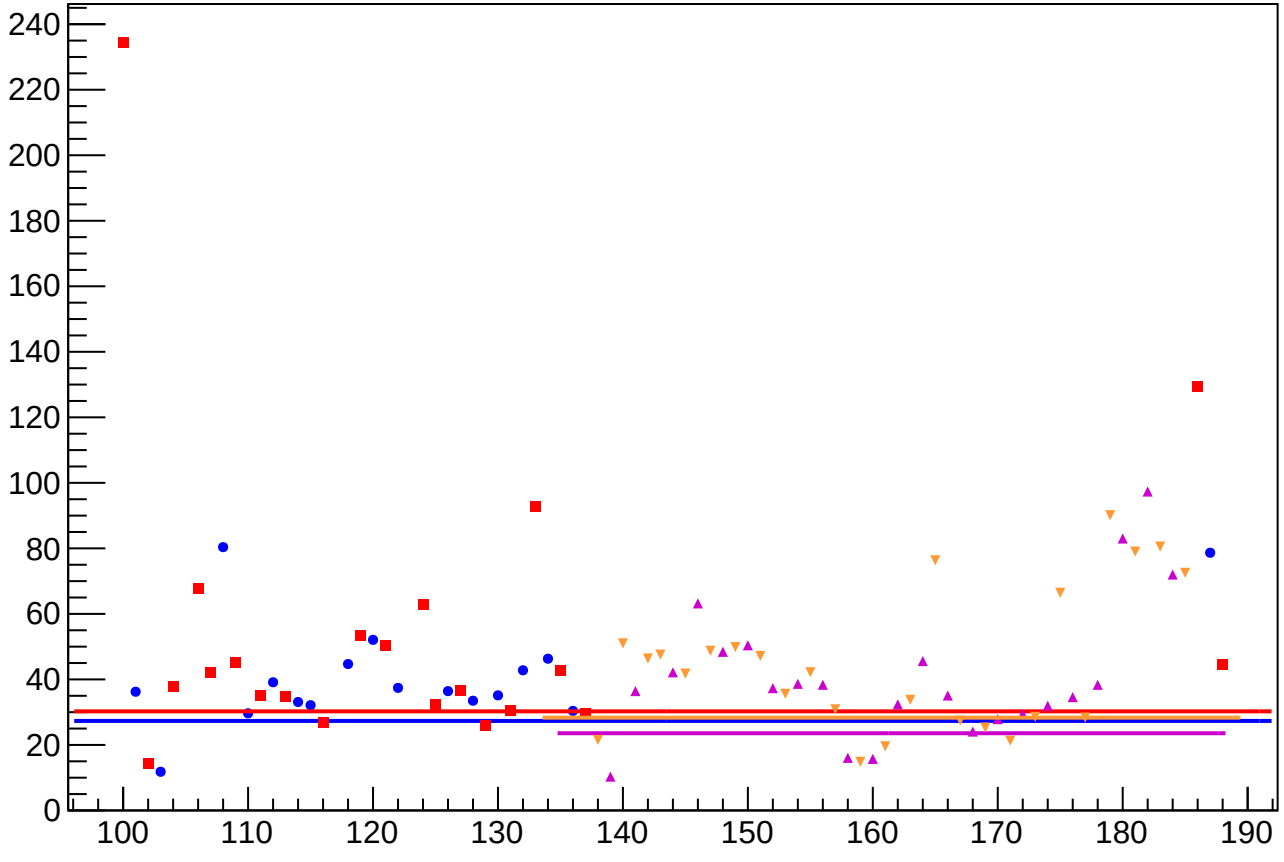
Right: -0.016+/-0.009 χ^2/NDF: 36.5/37

In: -0.001+/-0.006 χ^2/NDF:44.6/39

Out: -0.004+/-0.006 χ^2/NDF:68.9/45

All: -0.002+/-0.004 χ^2/NDF: 113.7/85

asym_sam_37_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.327+/-0.008 χ^2/NDF: 2557218.7/16

Left Out: 28.325+/-0.005 χ^2/NDF:6788307.1/24

Right Out: 30.256+/-0.009 χ^2/NDF: 3093113.9/20

Left In: 23.572+/-0.005 χ^2/NDF:8263833.7/22

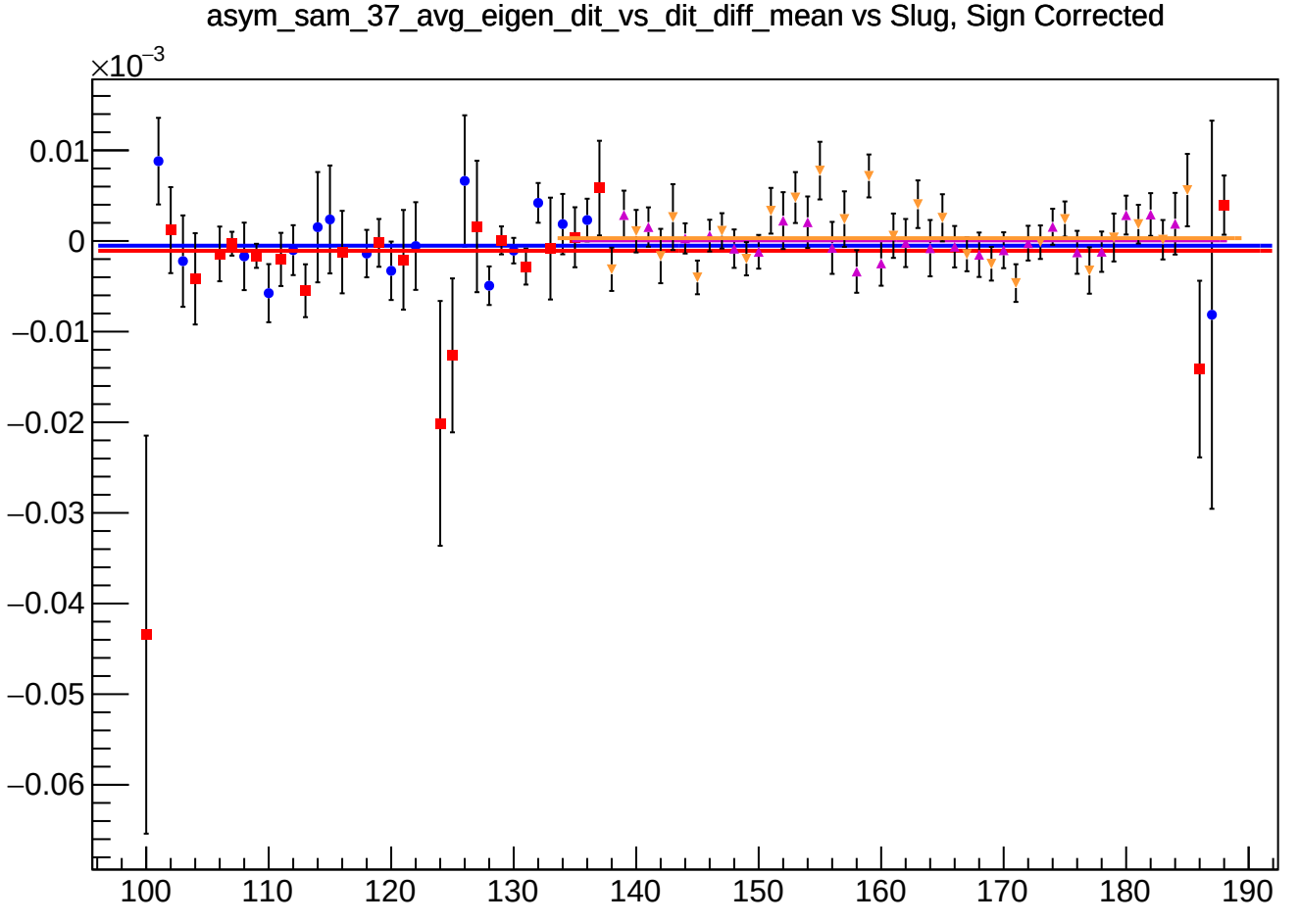
Left: 25.694+/-0.004 χ^2/NDF: 15487591.2/47

Right: 28.765+/-0.006 χ^2/NDF: 5708713.4/37

In: 24.485+/-0.004 χ^2/NDF:10969080.6/39

Out: 28.860+/-0.005 χ^2/NDF:9917460.4/45

All: 26.489+/-0.003 χ^2/NDF: 21386631.8/85



Right In: -0.000+/-0.000 χ^2/NDF: 20.1/16

Left Out: 0.000+/-0.000 χ^2/NDF:45.7/24

Right Out: -0.000+/-0.000 χ^2/NDF: 18.8/20

Left In: 0.000+/-0.000 χ^2/NDF:12.1/22

Left: 0.000+/-0.000 χ^2/NDF: 57.9/47

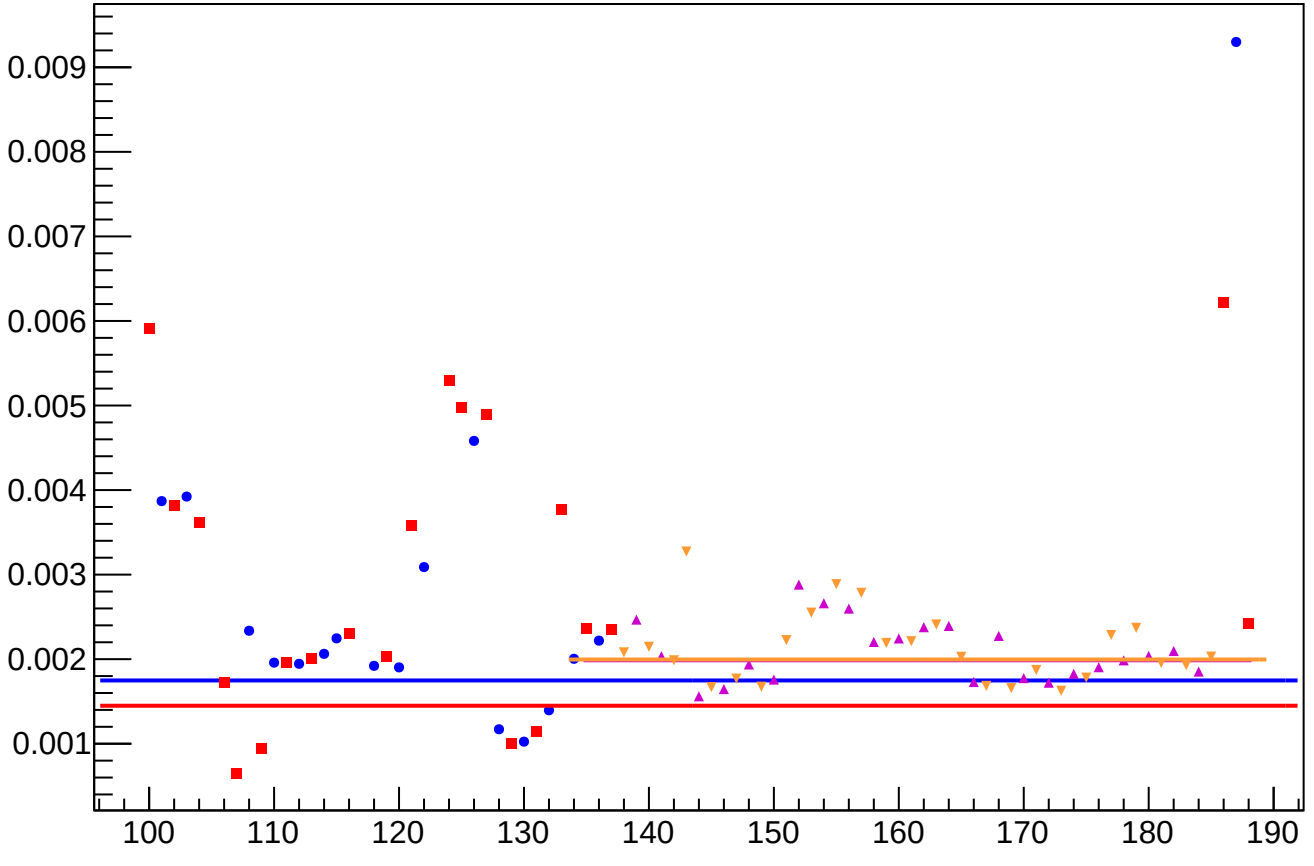
Right: -0.000+/-0.000 χ^2/NDF: 39.3/37

In: -0.000+/-0.000 χ^2/NDF:32.7/39

Out: -0.000+/-0.000 χ^2/NDF:67.8/45

All: -0.000+/-0.000 χ^2/NDF: 100.6/85

asym_sam_37_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 2395817.0/16

Left Out: 0.002+/-0.000 χ^2/NDF:1173308.8/24

Right Out: 0.001+/-0.000 χ^2/NDF: 4994142.2/20

Left In: 0.002+/-0.000 χ^2/NDF:924009.7/22

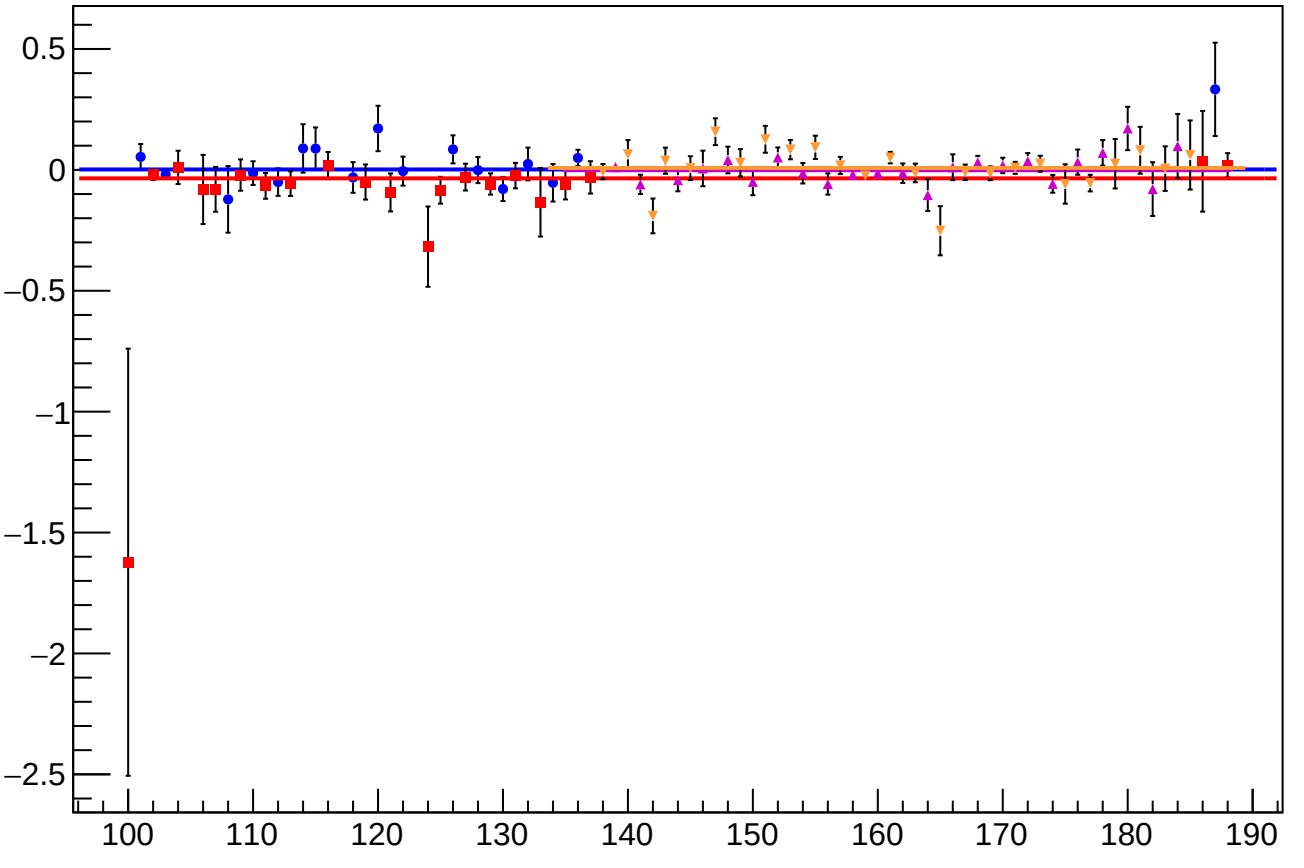
Left: 0.002+/-0.000 χ^2/NDF: 2097693.3/47

Right: 0.002+/-0.000 χ^2/NDF: 7594663.8/37

In: 0.002+/-0.000 χ^2/NDF:3474862.4/39

Out: 0.002+/-0.000 χ^2/NDF:7208617.9/45

All: 0.002+/-0.000 χ^2/NDF: 10787113.4/85



Right In: 0.002+/-0.012 χ^2/NDF: 19.4/16

Left Out: 0.008+/-0.008 χ^2/NDF:47.6/24

Right Out: -0.035+/-0.012 χ^2/NDF: 12.4/20

Left In: -0.001+/-0.007 χ^2/NDF:25.1/22

Left: 0.003+/-0.005 χ^2/NDF: 73.6/47

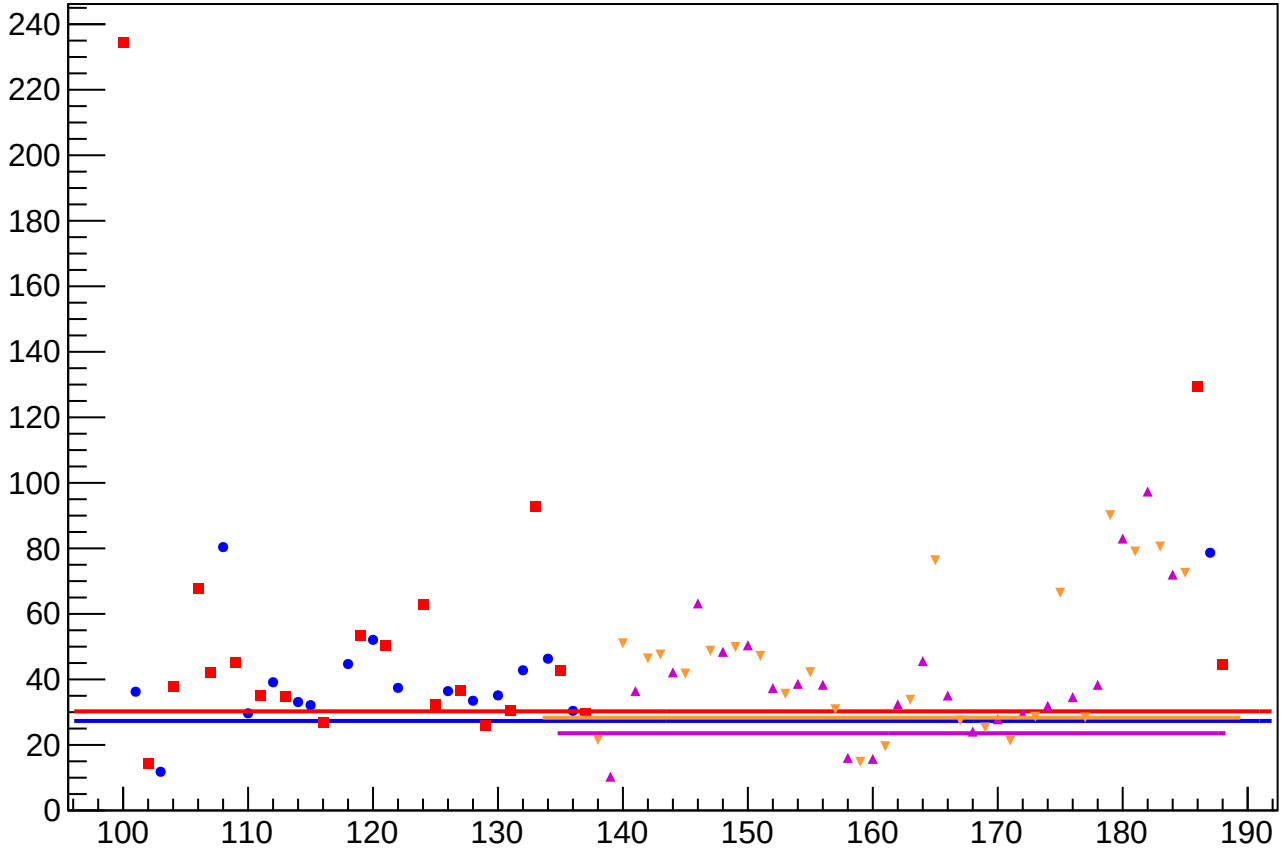
Right: -0.016+/-0.009 χ^2/NDF: 36.5/37

In: -0.001+/-0.006 χ^2/NDF:44.6/39

Out: -0.004+/-0.006 χ^2/NDF:68.9/45

All: -0.002+/-0.004 χ^2/NDF: 113.7/85

asym_sam_37_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.327+/-0.008 χ^2/NDF: 2557571.8/16

Left Out: 28.324+/-0.005 χ^2/NDF:6788766.1/24

Right Out: 30.259+/-0.009 χ^2/NDF: 3092429.4/20

Left In: 23.571+/-0.005 χ^2/NDF:8264891.4/22

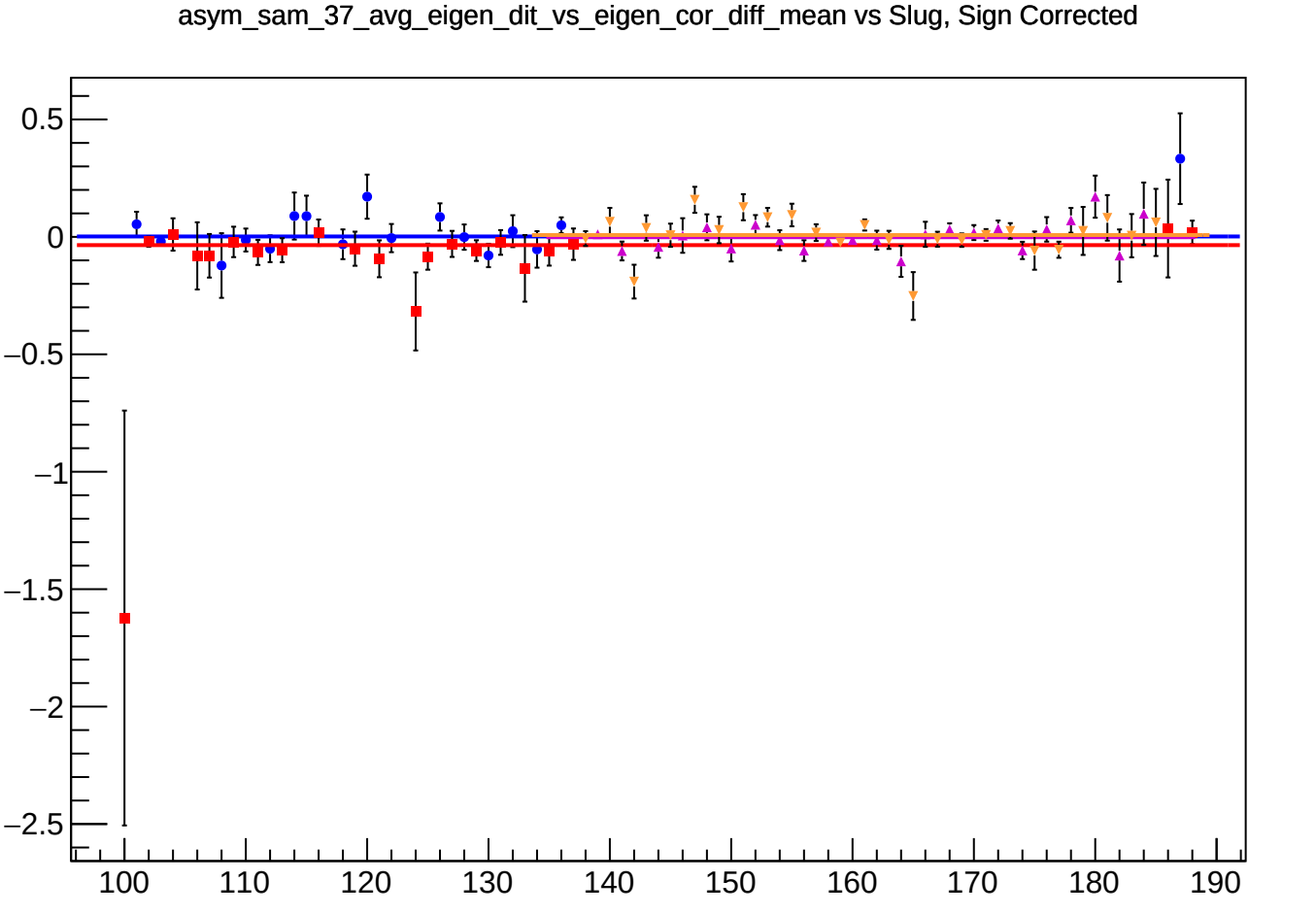
Left: 25.694+/-0.004 χ^2/NDF: 15489262.5/47

Right: 28.766+/-0.006 χ^2/NDF: 5708514.4/37

In: 24.484+/-0.004 χ^2/NDF:10970525.1/39

Out: 28.861+/-0.005 χ^2/NDF:9917344.9/45

All: 26.489+/-0.003 χ^2/NDF: 21388306.2/85



Right In: 0.002+/-0.012 χ^2/NDF: 19.4/16

Left Out: 0.008+/-0.008 χ^2/NDF:47.6/24

Right Out: -0.035+/-0.012 χ^2/NDF: 12.4/20

Left In: -0.001+/-0.007 χ^2/NDF:25.1/22

Left: 0.003+/-0.005 χ^2/NDF: 73.6/47

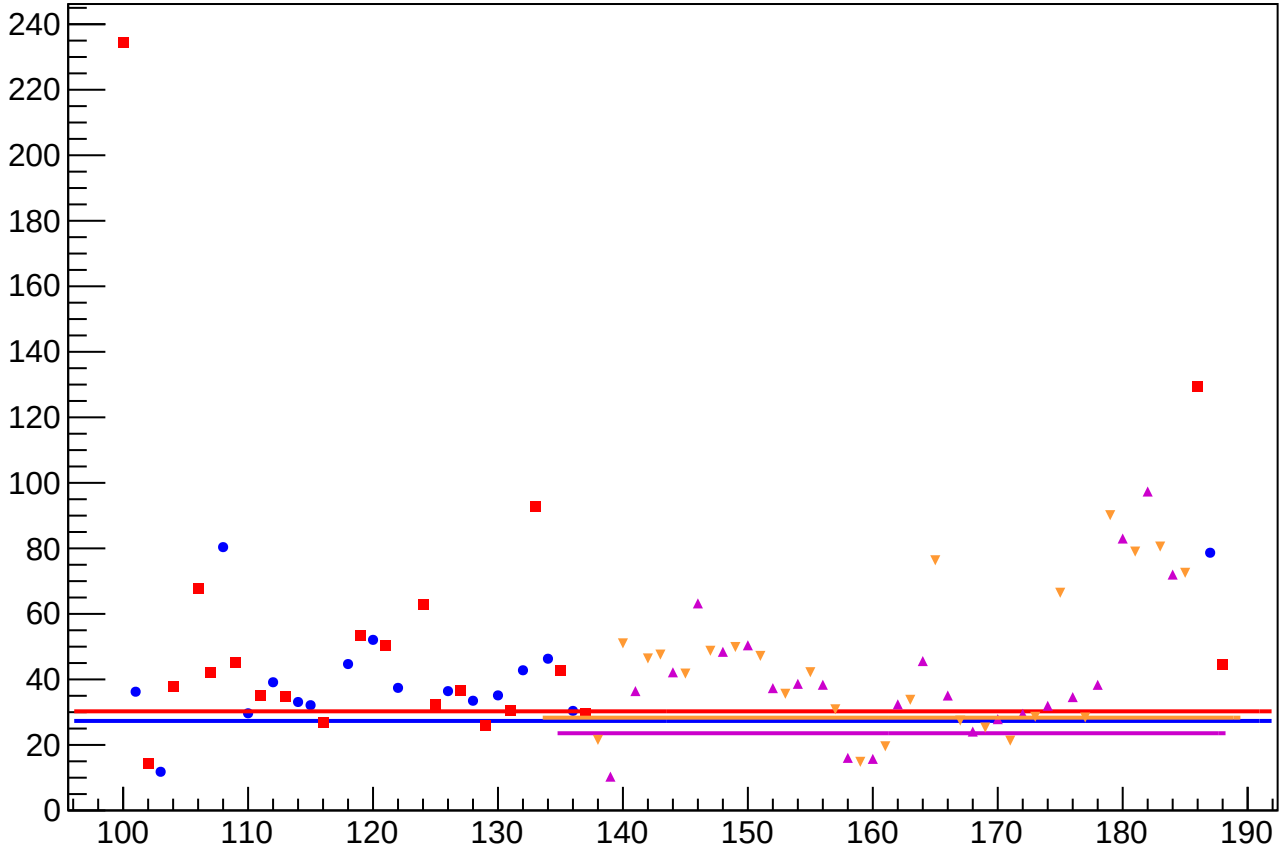
Right: -0.016+/-0.009 χ^2/NDF: 36.5/37

In: -0.001+/-0.006 χ^2/NDF:44.6/39

Out: -0.004+/-0.006 χ^2/NDF:68.9/45

All: -0.002+/-0.004 χ^2/NDF: 113.7/85

asym_sam_37_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.327+/-0.008 χ^2/NDF: 2557571.8/16

Left Out: 28.324+/-0.005 χ^2/NDF:6788766.1/24

Right Out: 30.259+/-0.009 χ^2/NDF: 3092429.4/20

Left In: 23.571+/-0.005 χ^2/NDF:8264891.4/22

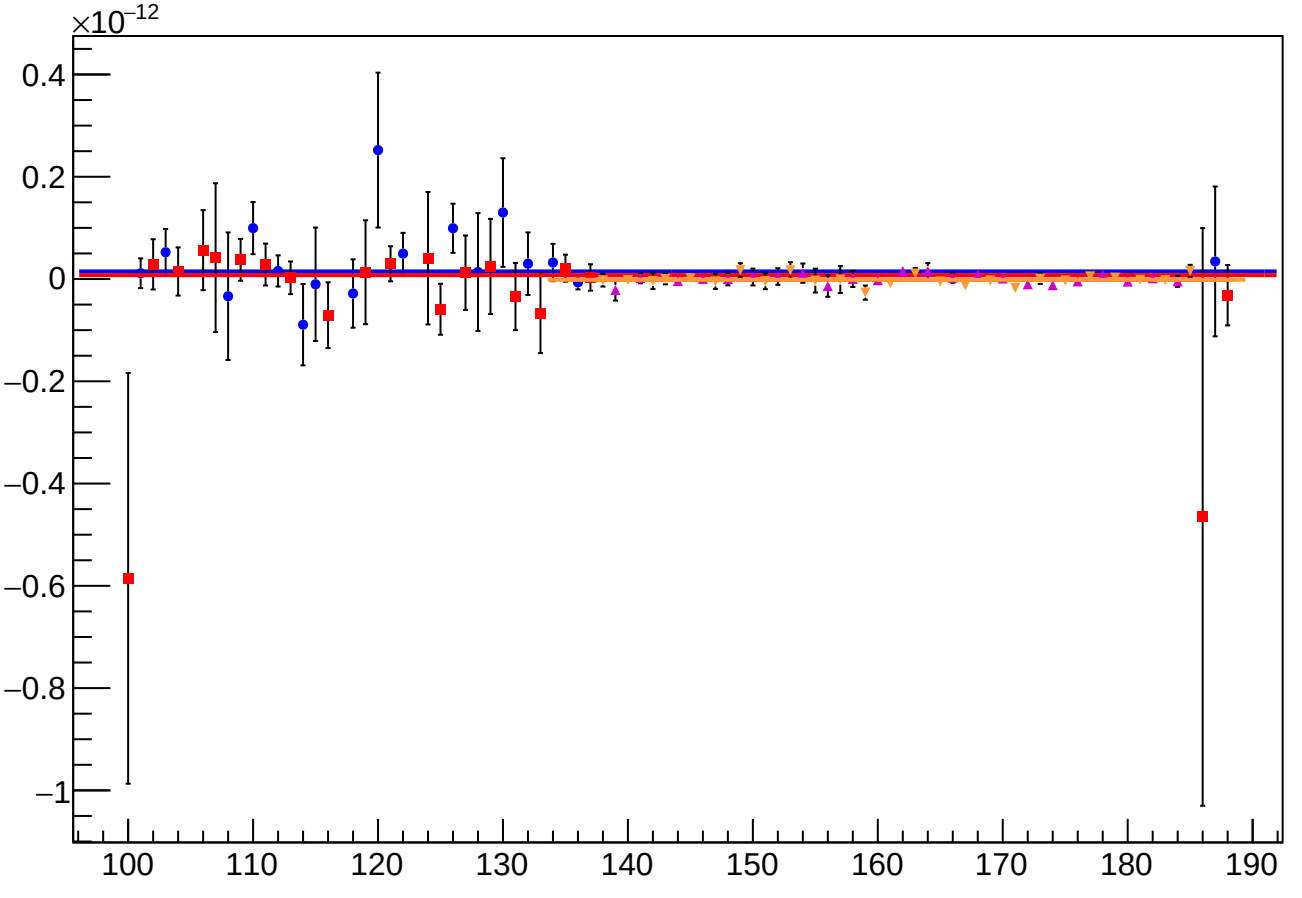
Left: 25.694+/-0.004 χ^2/NDF: 15489262.5/47

Right: 28.766+/-0.006 χ^2/NDF: 5708514.4/37

In: 24.484+/-0.004 χ^2/NDF:10970525.1/39

Out: 28.861+/-0.005 χ^2/NDF:9917344.9/45

All: 26.489+/-0.003 χ^2/NDF: 21388306.2/85



Right In: 0.000+/-0.000 χ^2/NDF: 16.0/16

Left Out: -0.000+/-0.000 χ^2/NDF:17.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10.2/20

Left In: -0.000+/-0.000 χ^2/NDF:15.9/22

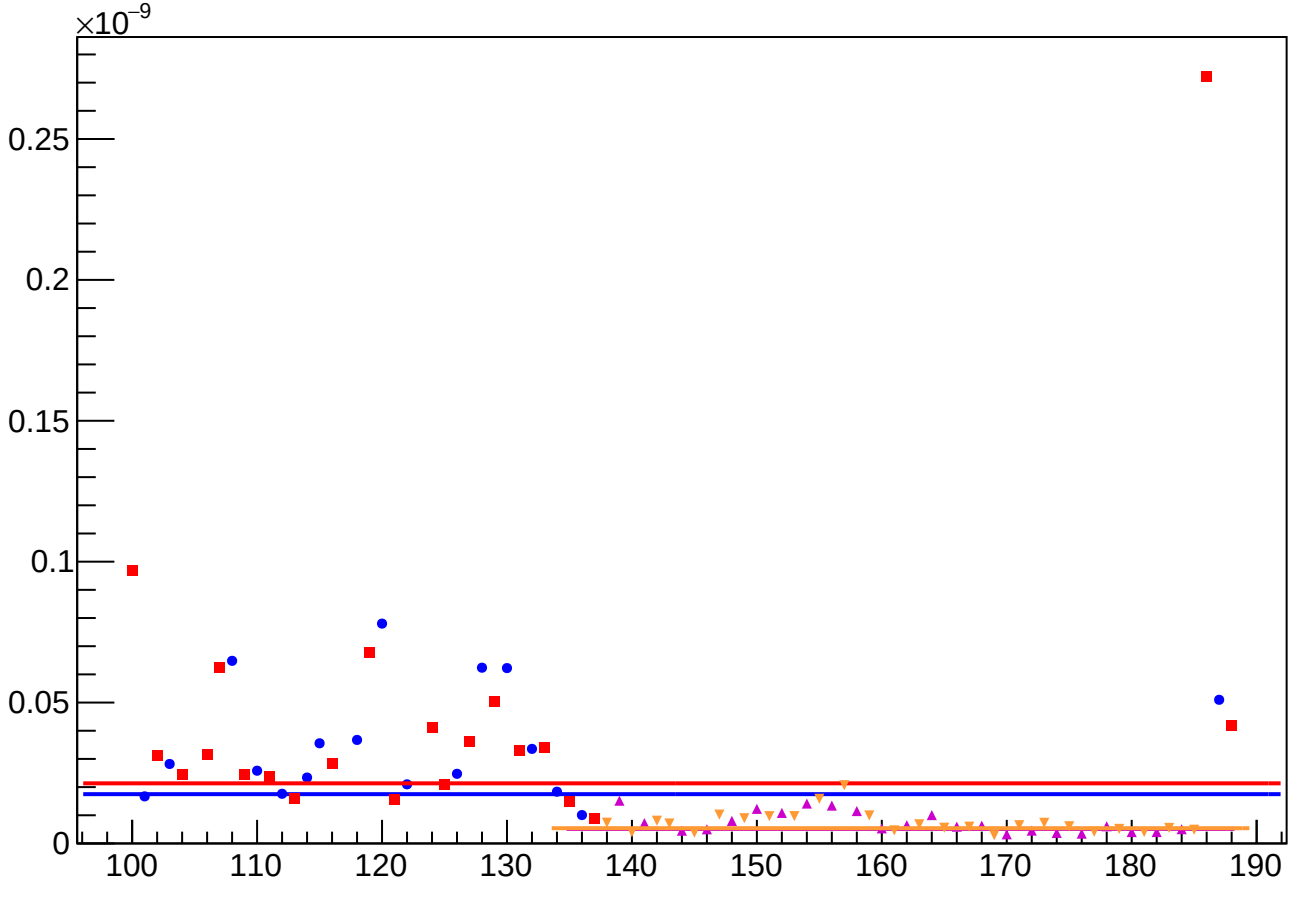
Left: -0.000+/-0.000 χ^2/NDF: 33.5/47

Right: 0.000+/-0.000 χ^2/NDF: 26.4/37

In: -0.000+/-0.000 χ^2/NDF:34.7/39

Out: -0.000+/-0.000 χ^2/NDF:28.4/45

All: -0.000+/-0.000 χ^2/NDF: 63.2/85



Right In: 0.000+/-0.000 χ^2/NDF: 2546921.2/16

Left Out: 0.000+/-0.000 χ^2/NDF:3068356.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2570456.5/20

Left In: 0.000+/-0.000 χ^2/NDF:3390855.0/22

Left: 0.000+/-0.000 χ^2/NDF: 6479218.4/47

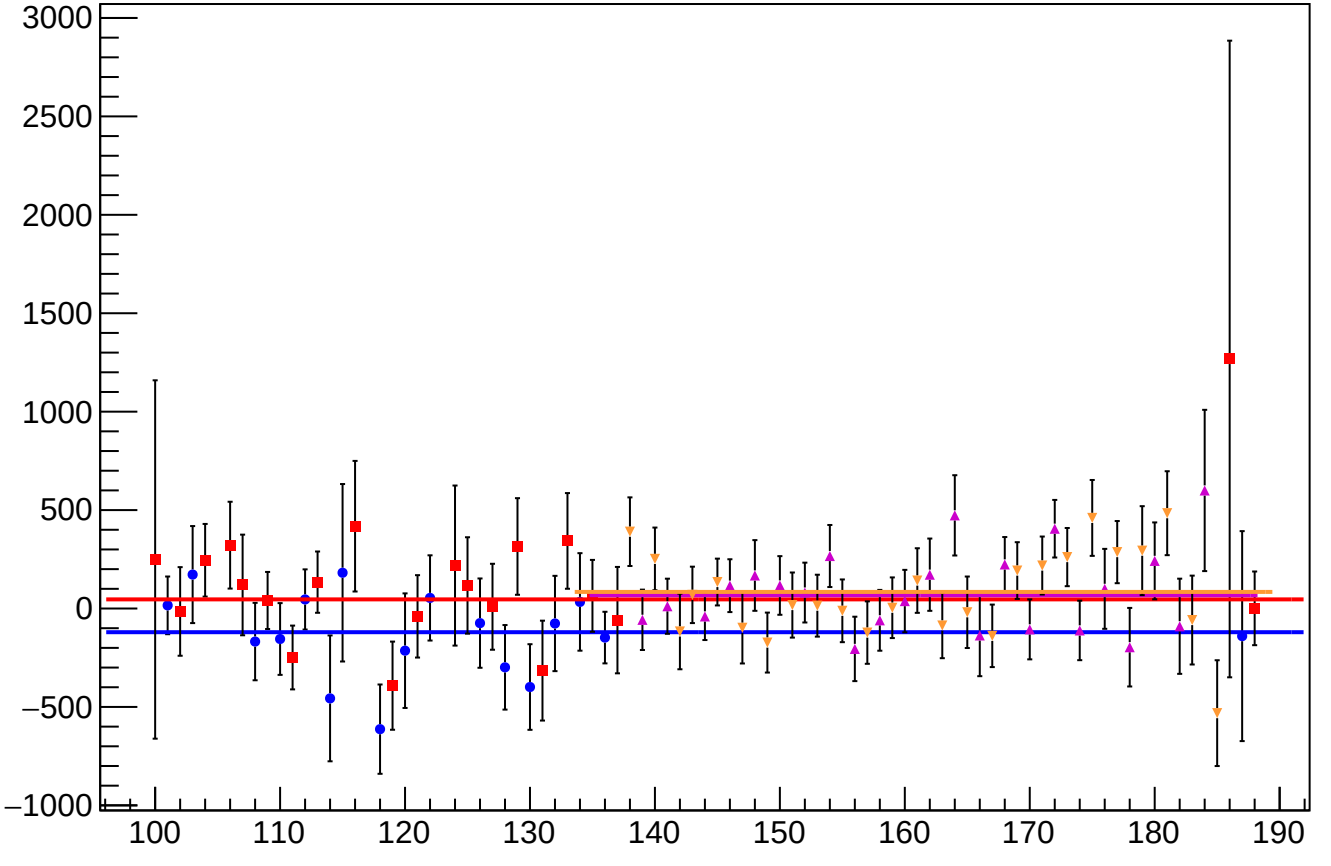
Right: 0.000+/-0.000 χ^2/NDF: 5263410.1/37

In: 0.000+/-0.000 χ^2/NDF:9244745.8/39

Out: 0.000+/-0.000 χ^2/NDF:9993990.4/45

All: 0.000+/-0.000 χ^2/NDF: 19262469.3/85

reg_asym_sam_48_avg_mean vs Slug, Sign Corrected



Right In: -120.341+/-50.870 χ^2/NDF: 13.4/16

Left Out: 84.324+/-33.036 χ^2/NDF:33.8/24

Right Out: 46.377+/-48.203 χ^2/NDF: 17.6/20

Left In: 67.646+/-34.137 χ^2/NDF:26.5/22

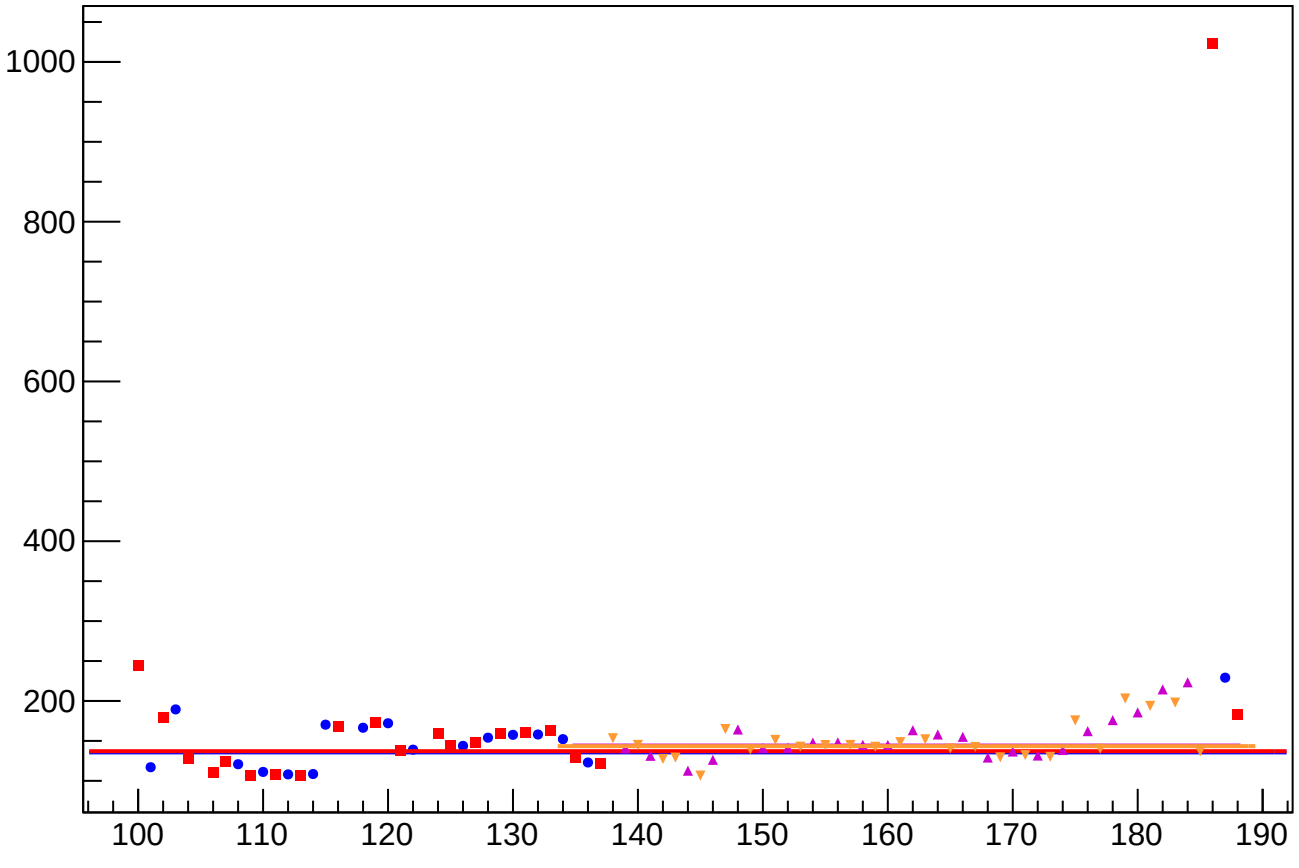
Left: 76.258+/-23.739 χ^2/NDF: 60.5/47

Right: -32.497+/-34.990 χ^2/NDF: 36.7/37

In: 9.276+/-28.346 χ^2/NDF:49.3/39

Out: 72.197+/-27.250 χ^2/NDF:51.9/45

All: 41.976+/-19.645 χ^2/NDF: 103.8/85



Right In: 135.630+/-0.036 χ^2/NDF: 478860.0/16

Left Out: 143.444+/-0.023 χ^2/NDF:747040.9/24

Right Out: 137.124+/-0.034 χ^2/NDF: 1229492.1/20

Left In: 144.170+/-0.024 χ^2/NDF:702713.8/22

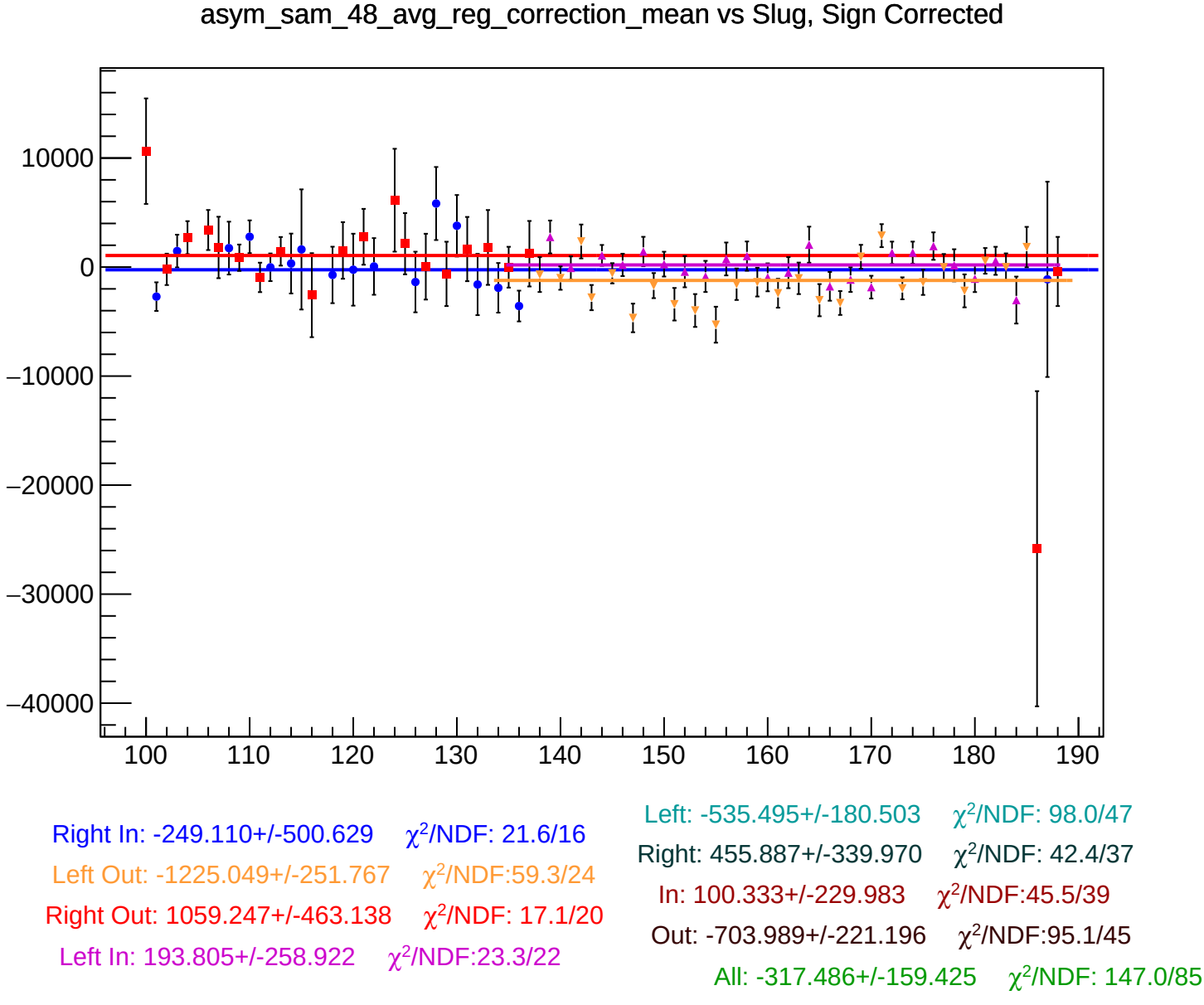
Left: 143.795+/-0.017 χ^2/NDF: 1450223.0/47

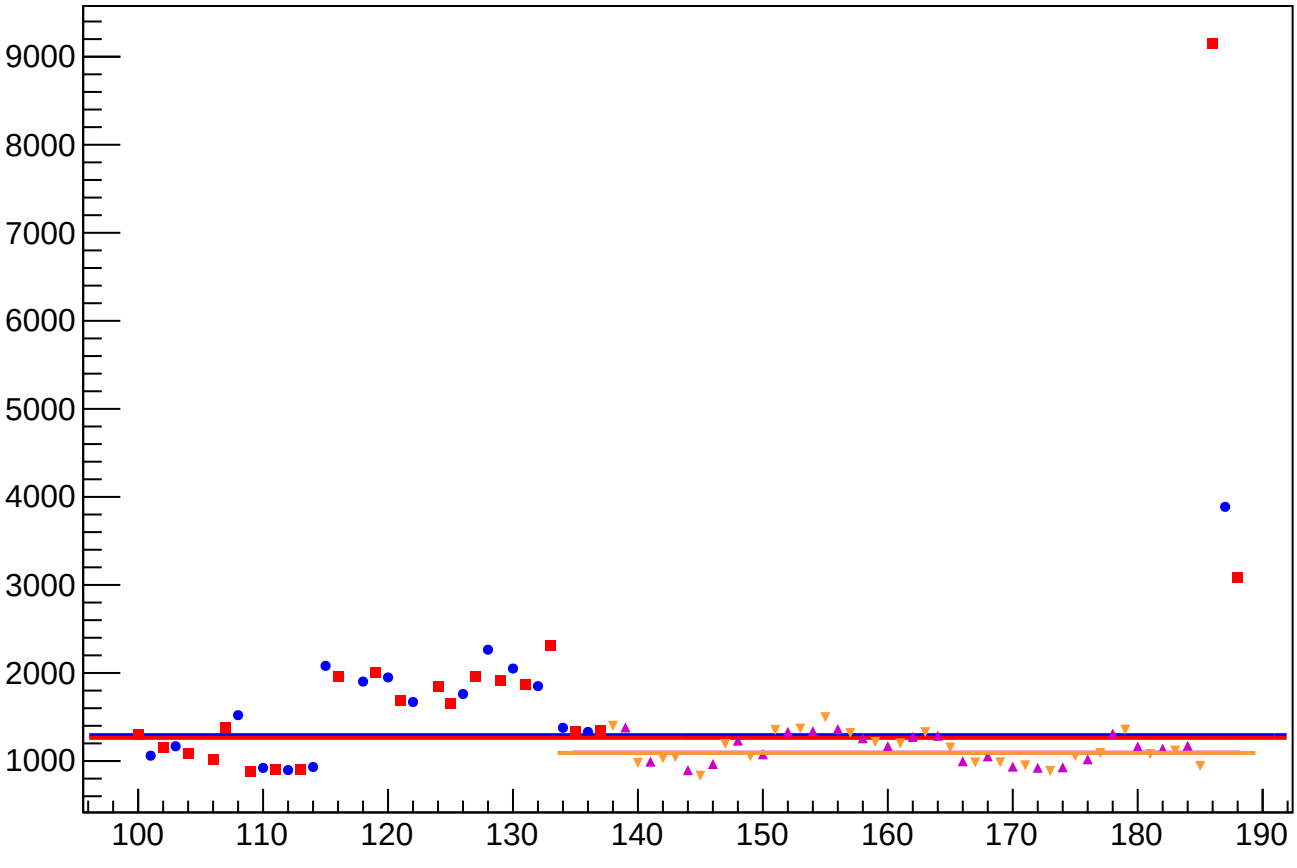
Right: 136.417+/-0.025 χ^2/NDF: 1709261.3/37

In: 141.519+/-0.020 χ^2/NDF:1220443.2/39

Out: 141.424+/-0.019 χ^2/NDF:1999921.2/45

All: 141.469+/-0.014 χ^2/NDF: 3220376.0/85


asym_sam_48_avg_reg_correction_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
160
170
180
190
Right In: -249.110+/-500.629 χ²/NDF: 21.6/16
Left Out: -1225.049+/-251.767 χ²/NDF:59.3/24
Right Out: 1059.247+/-463.138 χ²/NDF: 17.1/20
Left In: 193.805+/-258.922 χ²/NDF:23.3/22
Left: -535.495+/-180.503 χ²/NDF: 98.0/47
Right: 455.887+/-339.970 χ²/NDF: 42.4/37
In: 100.333+/-229.983 χ²/NDF:45.5/39
Out: -703.989+/-221.196 χ²/NDF:95.1/45
All: -317.486+/-159.425 χ²/NDF: 147.0/85



Right In: 1293.798+/-0.354 χ^2/NDF: 1338680.5/16

Left Out: 1091.980+/-0.178 χ^2/NDF:892442.4/24

Right Out: 1263.153+/-0.327 χ^2/NDF: 2659444.3/20

Left In: 1094.478+/-0.183 χ^2/NDF:732975.2/22

Left: 1093.194+/-0.128 χ^2/NDF: 1625513.3/47

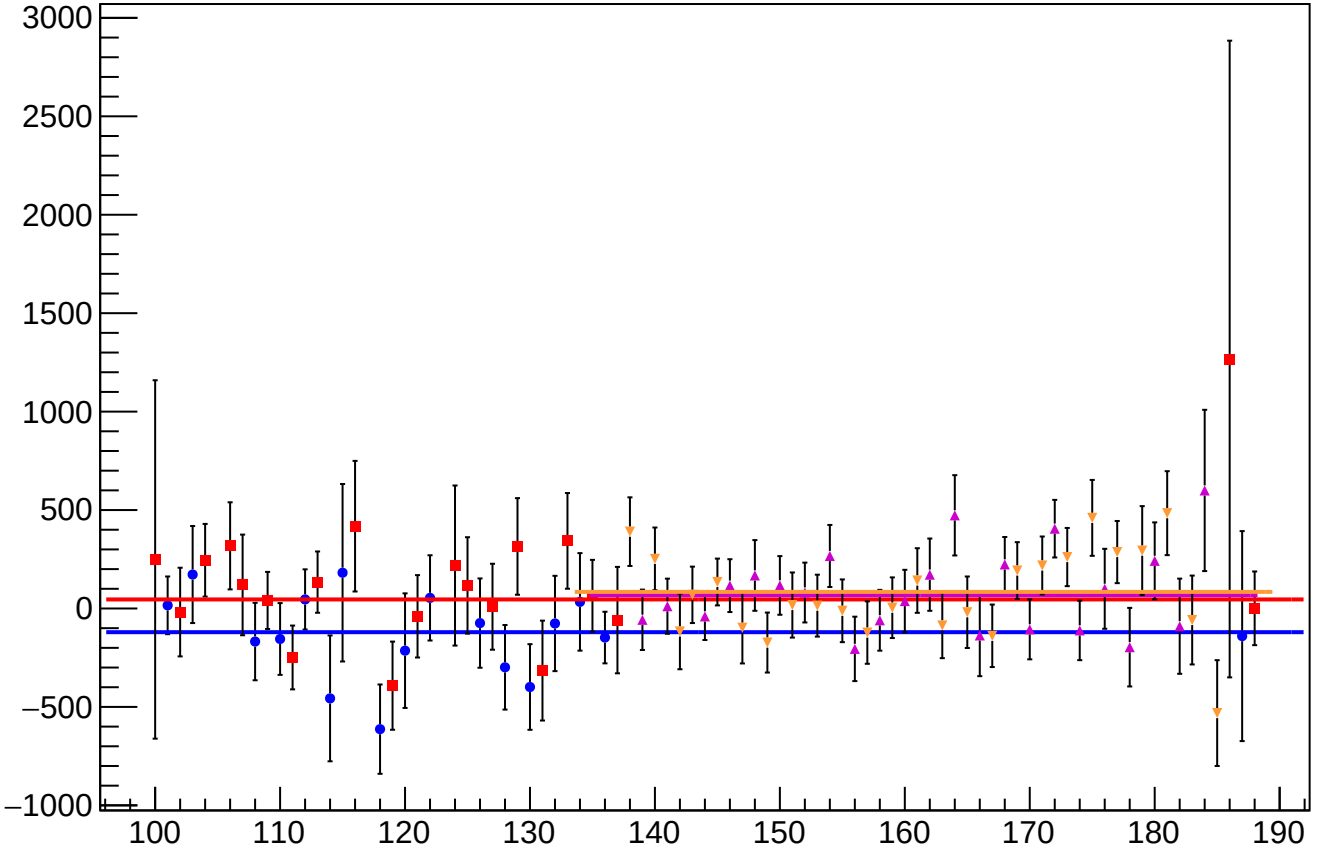
Right: 1277.285+/-0.240 χ^2/NDF: 4002162.9/37

In: 1136.542+/-0.163 χ^2/NDF:2321778.9/39

Out: 1131.025+/-0.156 χ^2/NDF:3762769.2/45

All: 1133.676+/-0.113 χ^2/NDF: 6085146.1/85

cor_asym_sam_48_avg_mean vs Slug, Sign Corrected



Right In: -120.352+/-50.870 χ^2/NDF: 13.4/16

Left Out: 84.338+/-33.036 χ^2/NDF:33.8/24

Right Out: 45.968+/-48.211 χ^2/NDF: 17.6/20

Left In: 67.648+/-34.137 χ^2/NDF:26.5/22

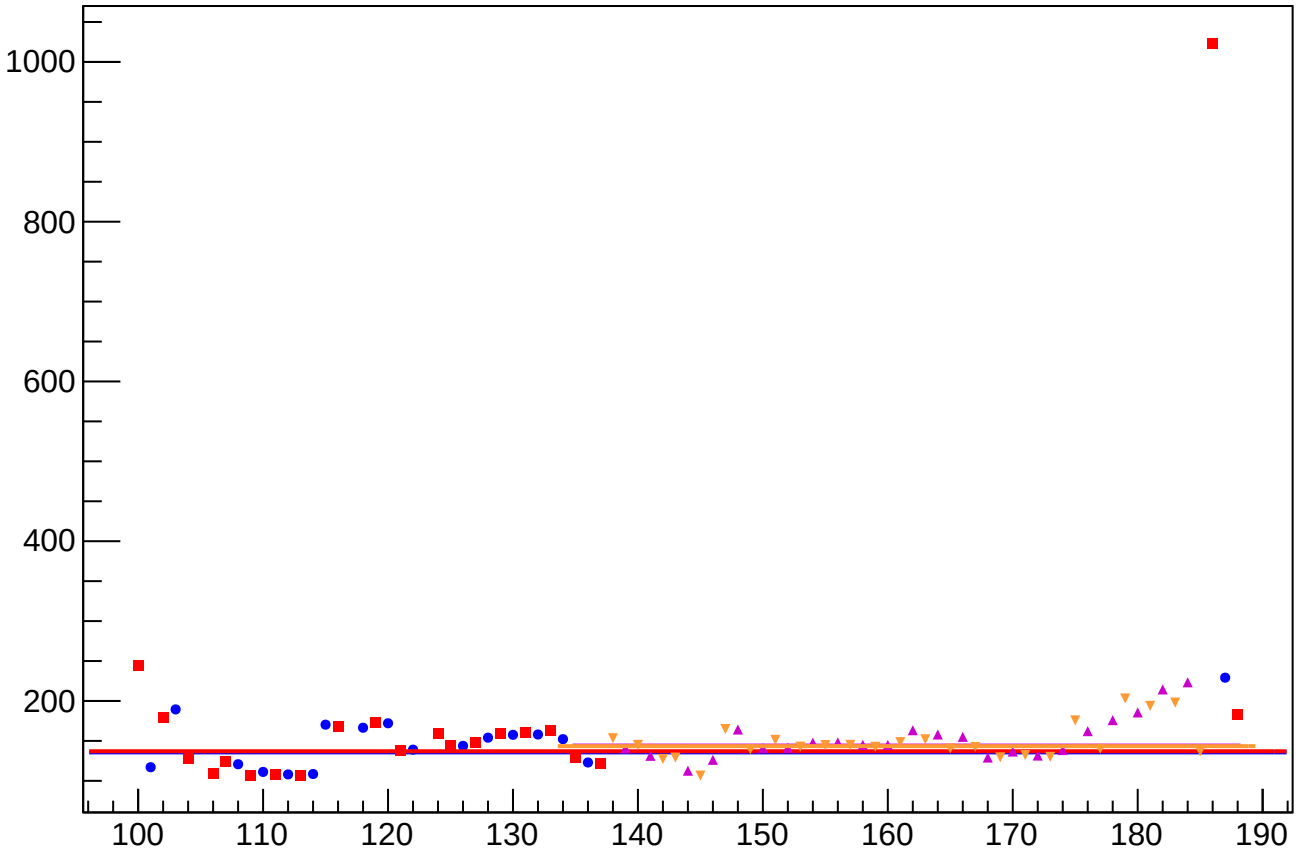
Left: 76.266+/-23.739 χ^2/NDF: 60.5/47

Right: -32.732+/-34.993 χ^2/NDF: 36.6/37

In: 9.274+/-28.346 χ^2/NDF:49.3/39

Out: 72.078+/-27.252 χ^2/NDF:51.8/45

All: 41.912+/-19.645 χ^2/NDF: 103.7/85



Right In: 135.630+/-0.036 χ^2/NDF: 478863.0/16

Left Out: 143.444+/-0.023 χ^2/NDF:747040.9/24

Right Out: 137.058+/-0.034 χ^2/NDF: 1233098.1/20

Left In: 144.170+/-0.024 χ^2/NDF:702713.8/22

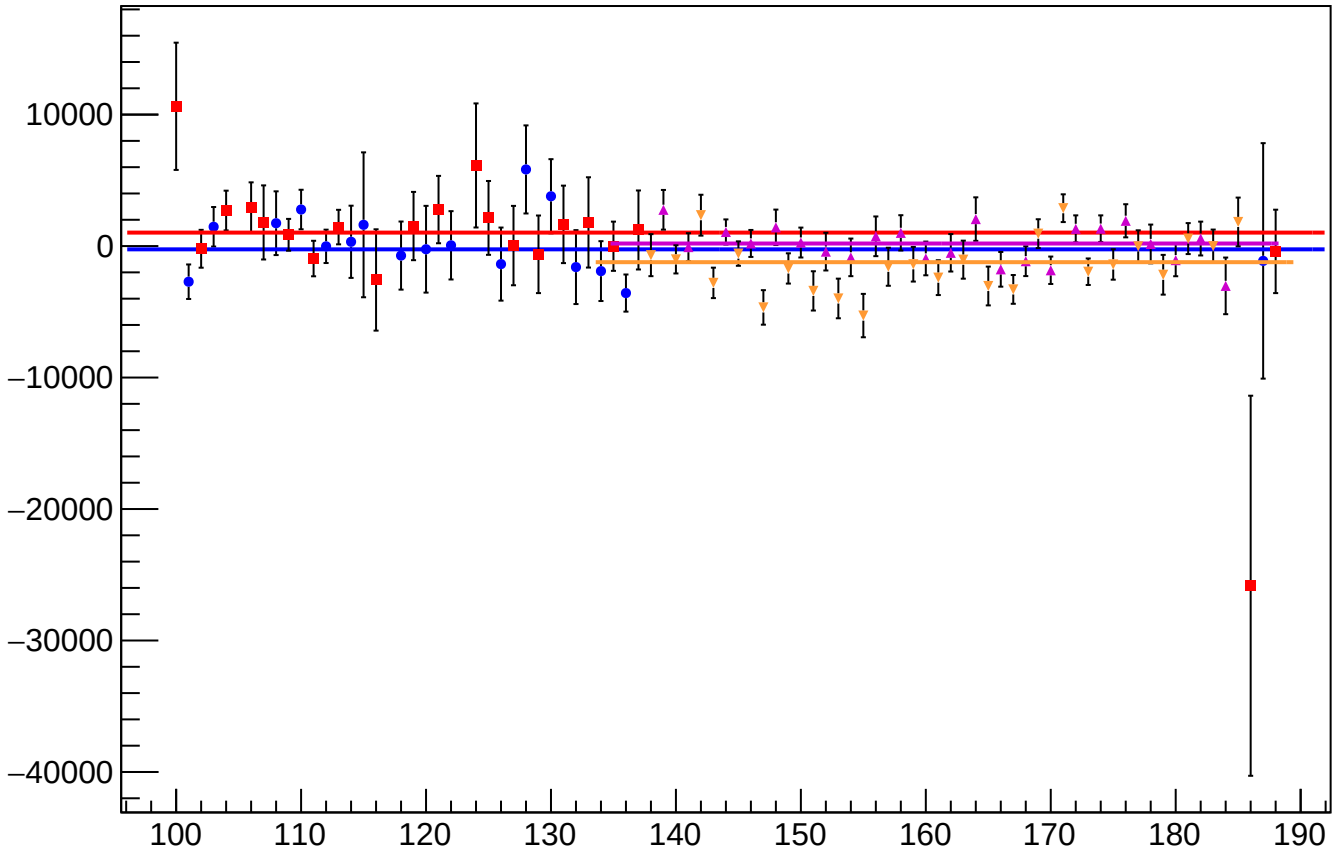
Left: 143.795+/-0.017 χ^2/NDF: 1450223.1/47

Right: 136.382+/-0.025 χ^2/NDF: 1712791.4/37

In: 141.519+/-0.020 χ^2/NDF:1220446.1/39

Out: 141.403+/-0.019 χ^2/NDF:2004013.6/45

All: 141.459+/-0.014 χ^2/NDF: 3224476.9/85



Right In: -249.180+/-500.634 χ^2/NDF: 21.6/16

Left Out: -1225.031+/-251.767 χ^2/NDF:59.3/24

Right Out: 1024.480+/-464.031 χ^2/NDF: 16.5/20

Left In: 193.808+/-258.922 χ^2/NDF:23.3/22

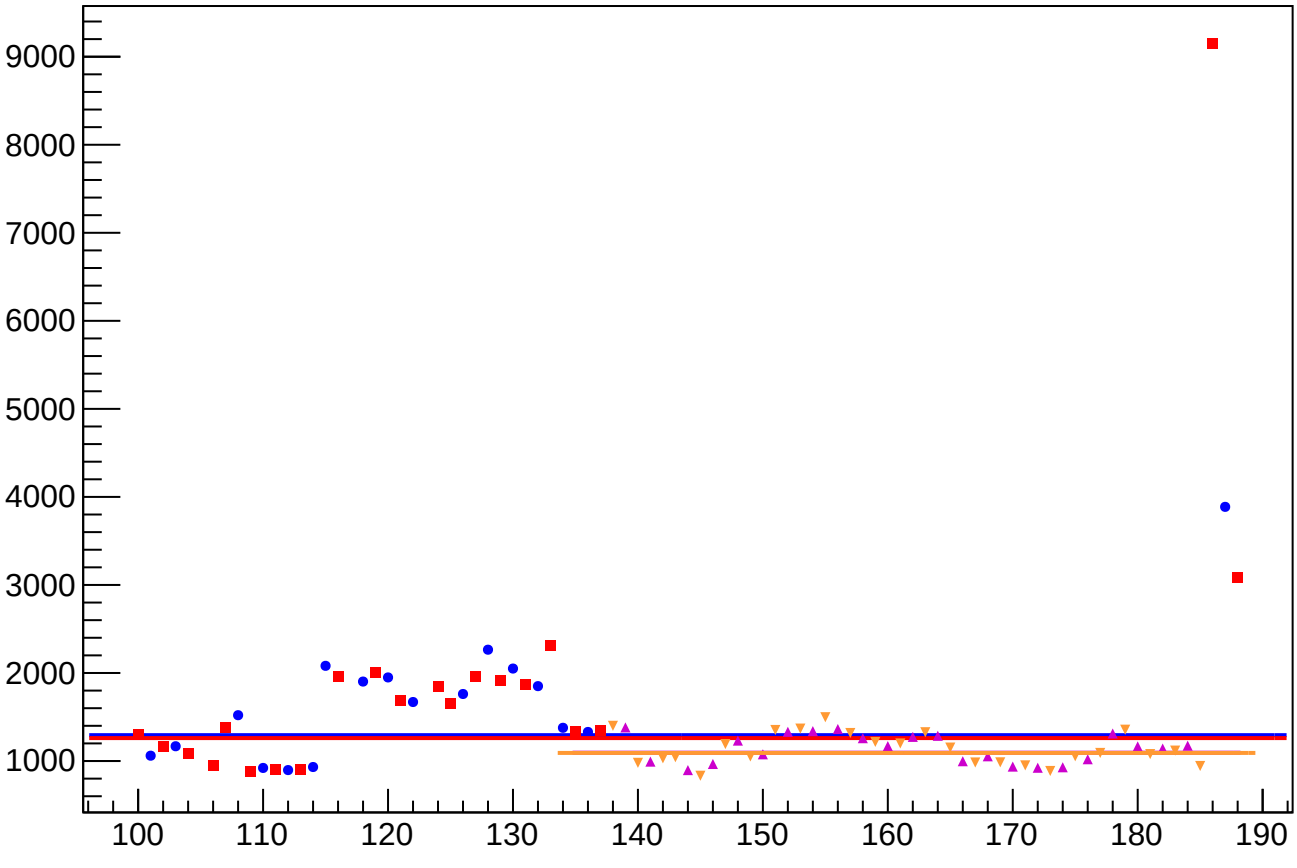
Left: -535.485+/-180.503 χ^2/NDF: 98.0/47

Right: 435.908+/-340.325 χ^2/NDF: 41.6/37

In: 100.322+/-229.984 χ^2/NDF:45.5/39

Out: -713.430+/-221.293 χ^2/NDF:93.9/45

All: -322.219+/-159.462 χ^2/NDF: 145.9/85


asym_sam_48_avg_cor_correction_rms vs Slug, Sign Corrected
9000
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5000
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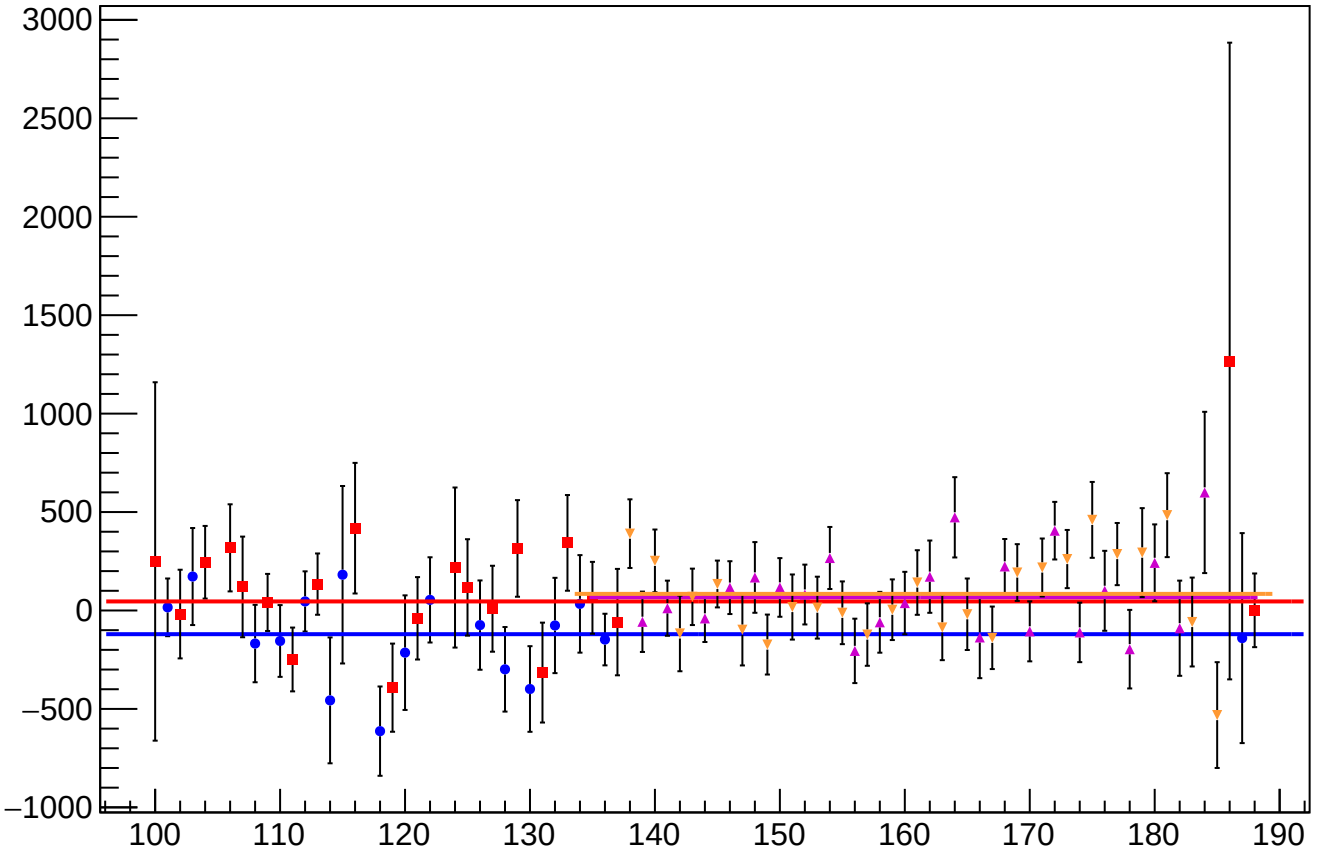
160
170
180
190
Right In: 1293.812+/-0.354 χ²/NDF: 1338653.6/16
Left Out: 1091.979+/-0.178 χ²/NDF:892441.9/24
Right Out: 1260.443+/-0.328 χ²/NDF: 2676295.2/20
Left In: 1094.479+/-0.183 χ²/NDF:732975.7/22
Left: 1093.194+/-0.128 χ²/NDF: 1625513.3/47
Right: 1275.863+/-0.241 χ²/NDF: 4019728.2/37
In: 1136.545+/-0.163 χ²/NDF:2321782.7/39
Out: 1130.293+/-0.156 χ²/NDF:3772388.3/45
All: 1133.298+/-0.113 χ²/NDF: 6094938.4/85



Right In: -120.352+/-50.870 χ^2/NDF: 13.4/16

Left Out: 84.338+/-33.036 χ^2/NDF:33.8/24

Right Out: 45.968+/-48.211 χ^2/NDF: 17.6/20

Left In: 67.648+/-34.137 χ^2/NDF:26.5/22

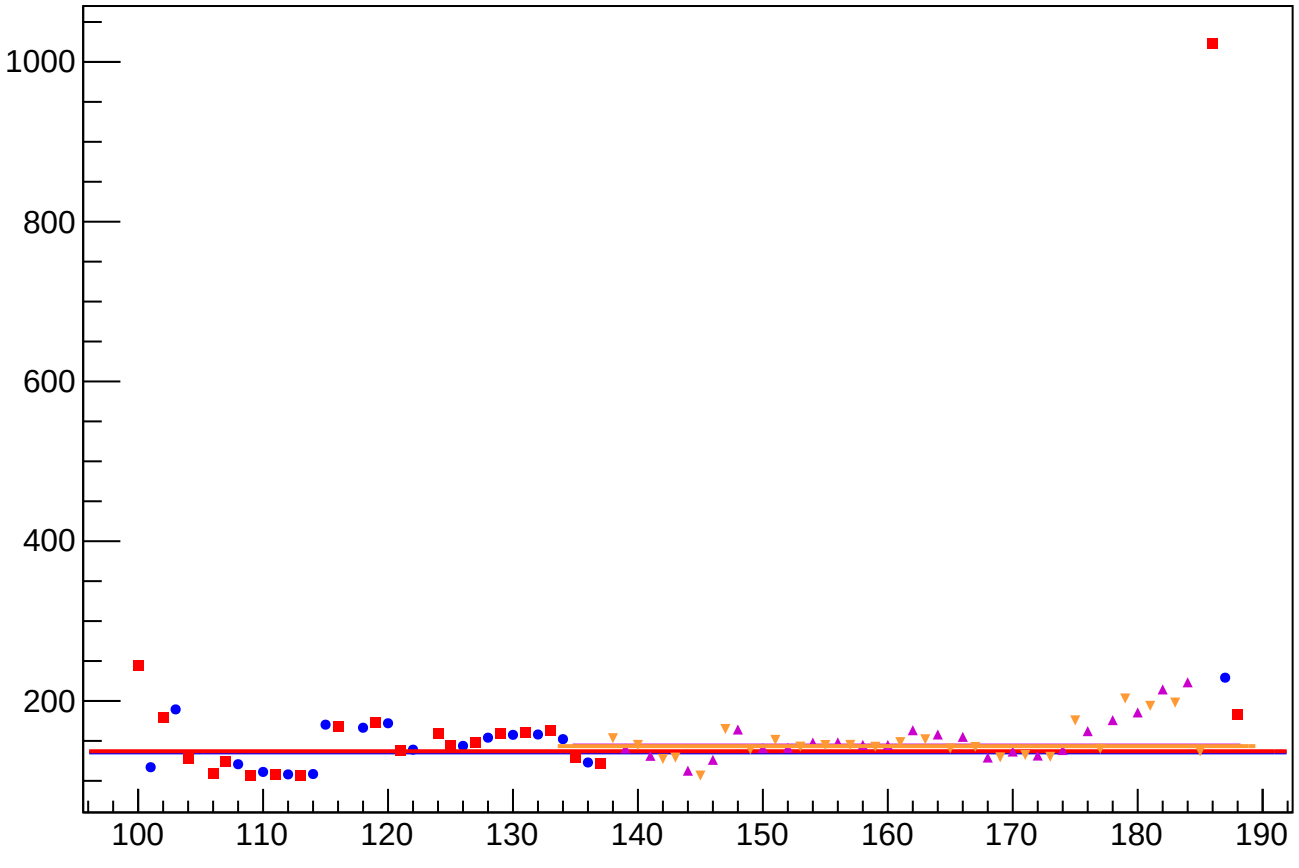
Left: 76.266+/-23.739 χ^2/NDF: 60.5/47

Right: -32.732+/-34.993 χ^2/NDF: 36.6/37

In: 9.274+/-28.346 χ^2/NDF:49.3/39

Out: 72.078+/-27.252 χ^2/NDF:51.8/45

All: 41.912+/-19.645 χ^2/NDF: 103.7/85



Right In: 135.630+/-0.036 χ^2/NDF: 478863.0/16

Left Out: 143.444+/-0.023 χ^2/NDF:747040.9/24

Right Out: 137.058+/-0.034 χ^2/NDF: 1233098.1/20

Left In: 144.170+/-0.024 χ^2/NDF:702713.8/22

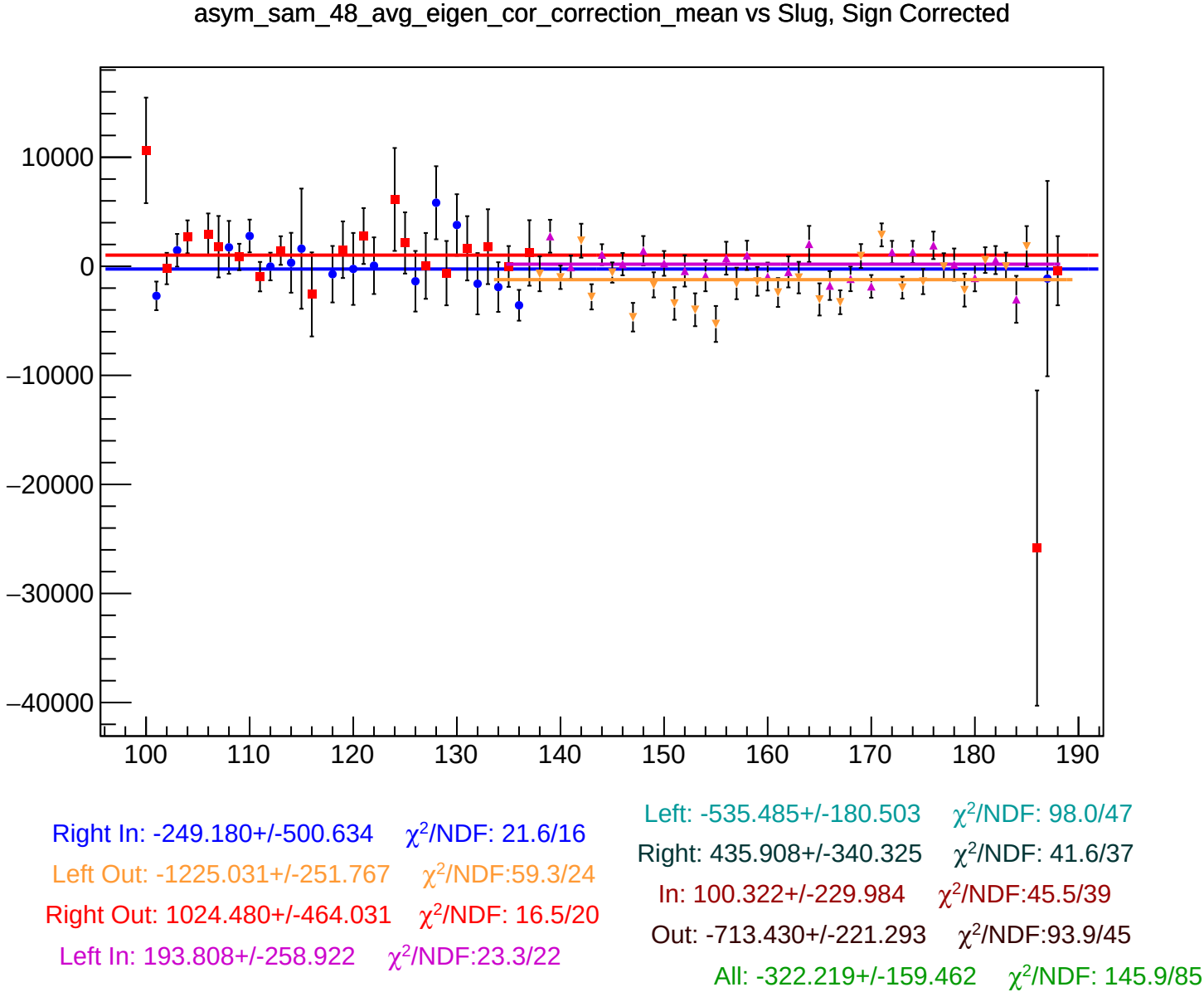
Left: 143.795+/-0.017 χ^2/NDF: 1450223.1/47

Right: 136.382+/-0.025 χ^2/NDF: 1712791.4/37

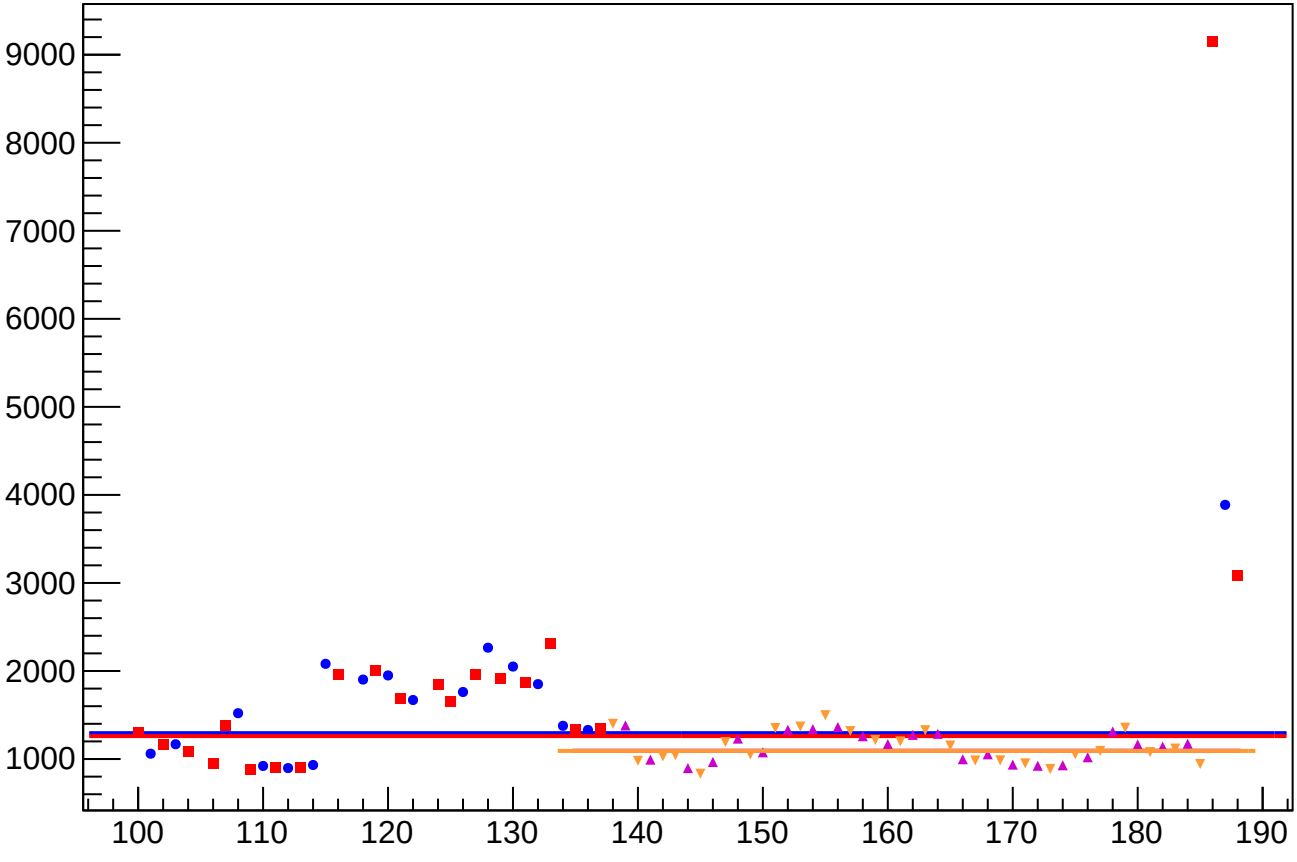
In: 141.519+/-0.020 χ^2/NDF:1220446.1/39

Out: 141.403+/-0.019 χ^2/NDF:2004013.6/45

All: 141.459+/-0.014 χ^2/NDF: 3224476.9/85


asym_sam_48_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
160
170
180
190
Right In: -249.180+/-500.634 χ²/NDF: 21.6/16
Left Out: -1225.031+/-251.767 χ²/NDF:59.3/24
Right Out: 1024.480+/-464.031 χ²/NDF: 16.5/20
Left In: 193.808+/-258.922 χ²/NDF:23.3/22
Left: -535.485+/-180.503 χ²/NDF: 98.0/47
Right: 435.908+/-340.325 χ²/NDF: 41.6/37
In: 100.322+/-229.984 χ²/NDF:45.5/39
Out: -713.430+/-221.293 χ²/NDF:93.9/45
All: -322.219+/-159.462 χ²/NDF: 145.9/85

asym_sam_48_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1293.812+/-0.354 χ^2/NDF: 1338653.6/16

Left Out: 1091.979+/-0.178 χ^2/NDF:892441.9/24

Right Out: 1260.443+/-0.328 χ^2/NDF: 2676295.2/20

Left In: 1094.479+/-0.183 χ^2/NDF:732975.7/22

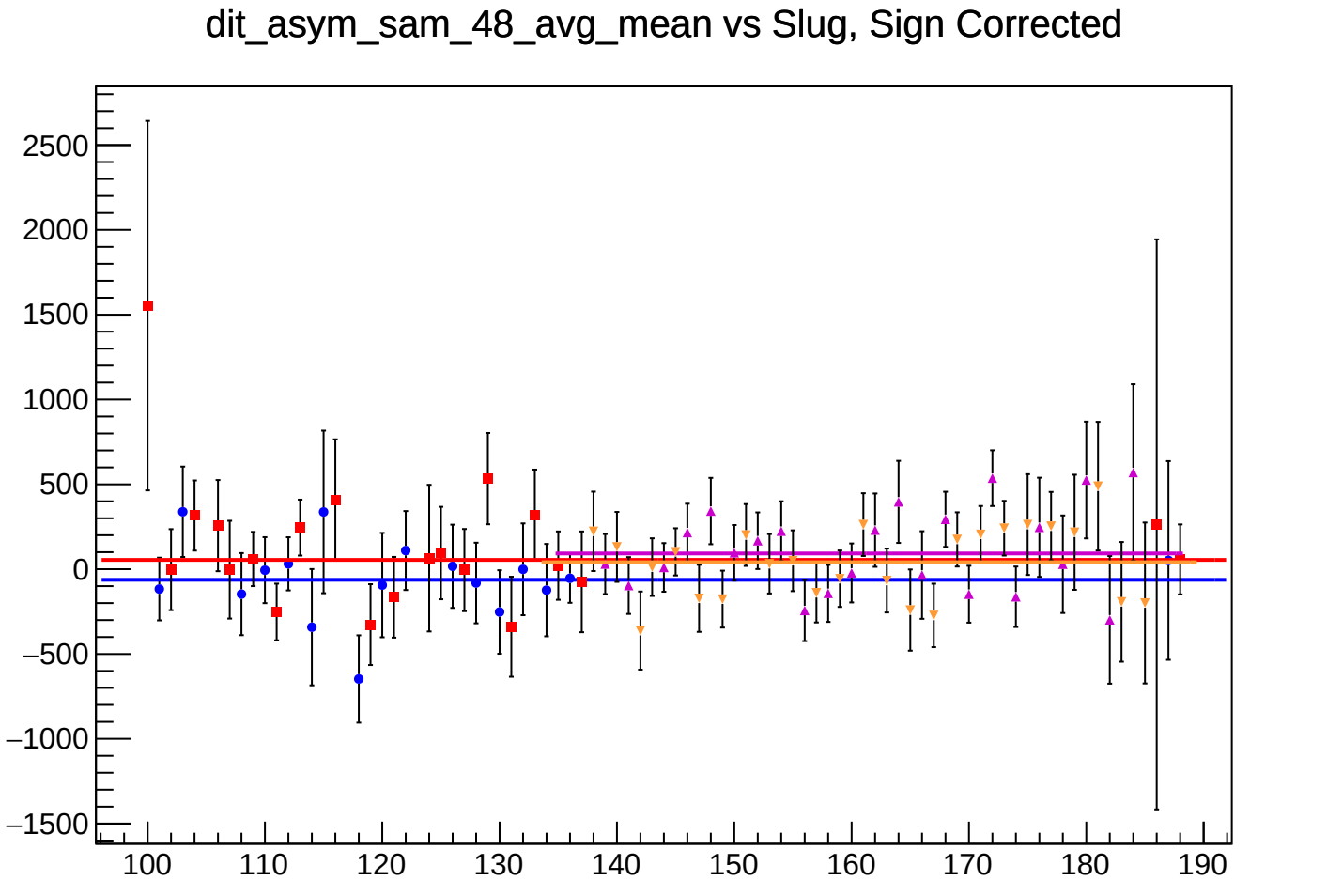
Left: 1093.194+/-0.128 χ^2/NDF: 1625513.3/47

Right: 1275.863+/-0.241 χ^2/NDF: 4019728.2/37

In: 1136.545+/-0.163 χ^2/NDF:2321782.7/39

Out: 1130.293+/-0.156 χ^2/NDF:3772388.3/45

All: 1133.298+/-0.113 χ^2/NDF: 6094938.4/85



Right In: -62.711+/-56.469 χ^2/NDF: 10.9/16

Left Out: 41.086+/-39.177 χ^2/NDF:22.3/24

Right Out: 54.728+/-52.883 χ^2/NDF: 19.5/20

Left In: 92.556+/-40.165 χ^2/NDF:29.5/22

Left: 66.180+/-28.045 χ^2/NDF: 52.7/47

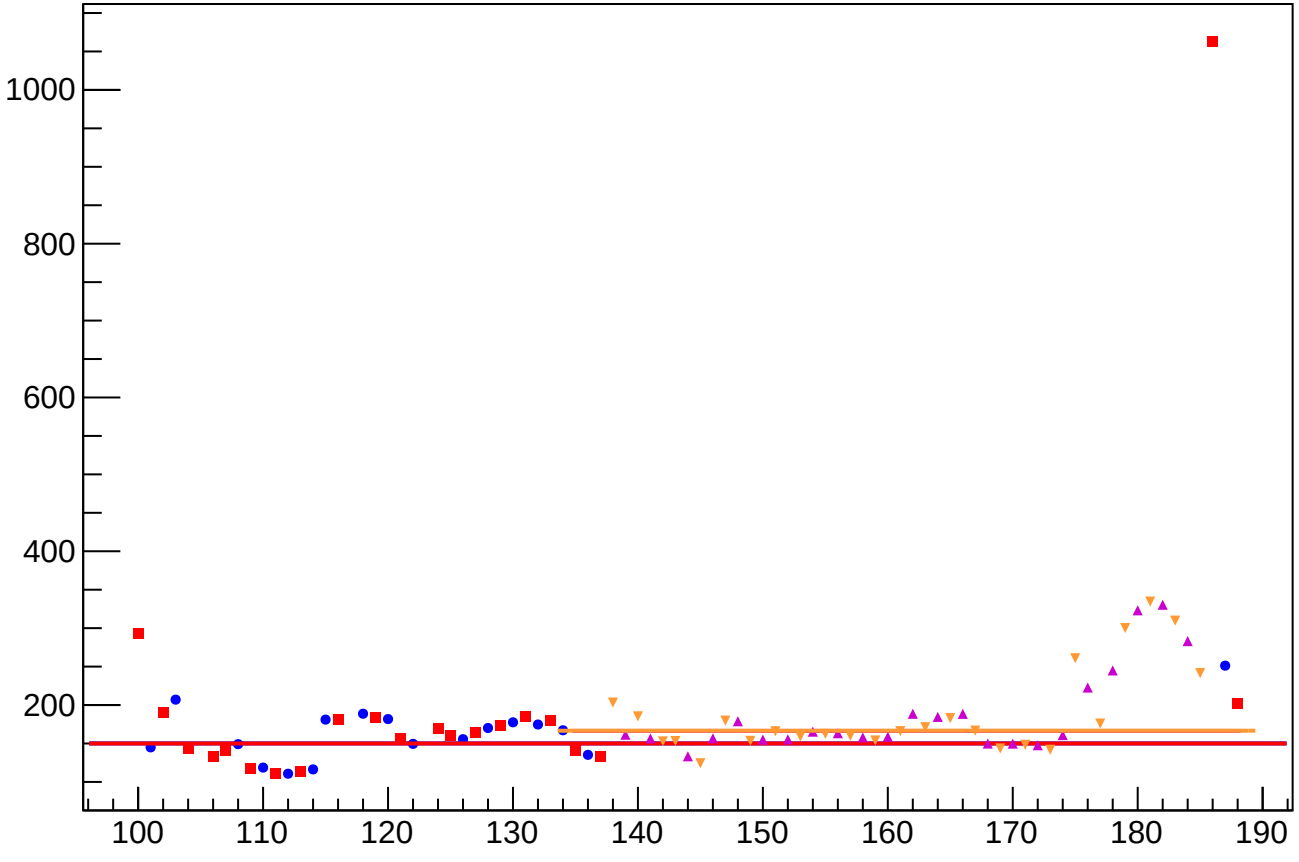
Right: -0.145+/-38.600 χ^2/NDF: 32.7/37

In: 40.394+/-32.730 χ^2/NDF:45.4/39

Out: 45.920+/-31.480 χ^2/NDF:41.9/45

All: 43.264+/-22.689 χ^2/NDF: 87.3/85

dit_asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 150.079+/-0.040 χ^2/NDF: 511200.9/16

Left Out: 166.599+/-0.028 χ^2/NDF:1719835.6/24

Right Out: 149.998+/-0.037 χ^2/NDF: 1255047.1/20

Left In: 166.308+/-0.028 χ^2/NDF:1392466.3/22

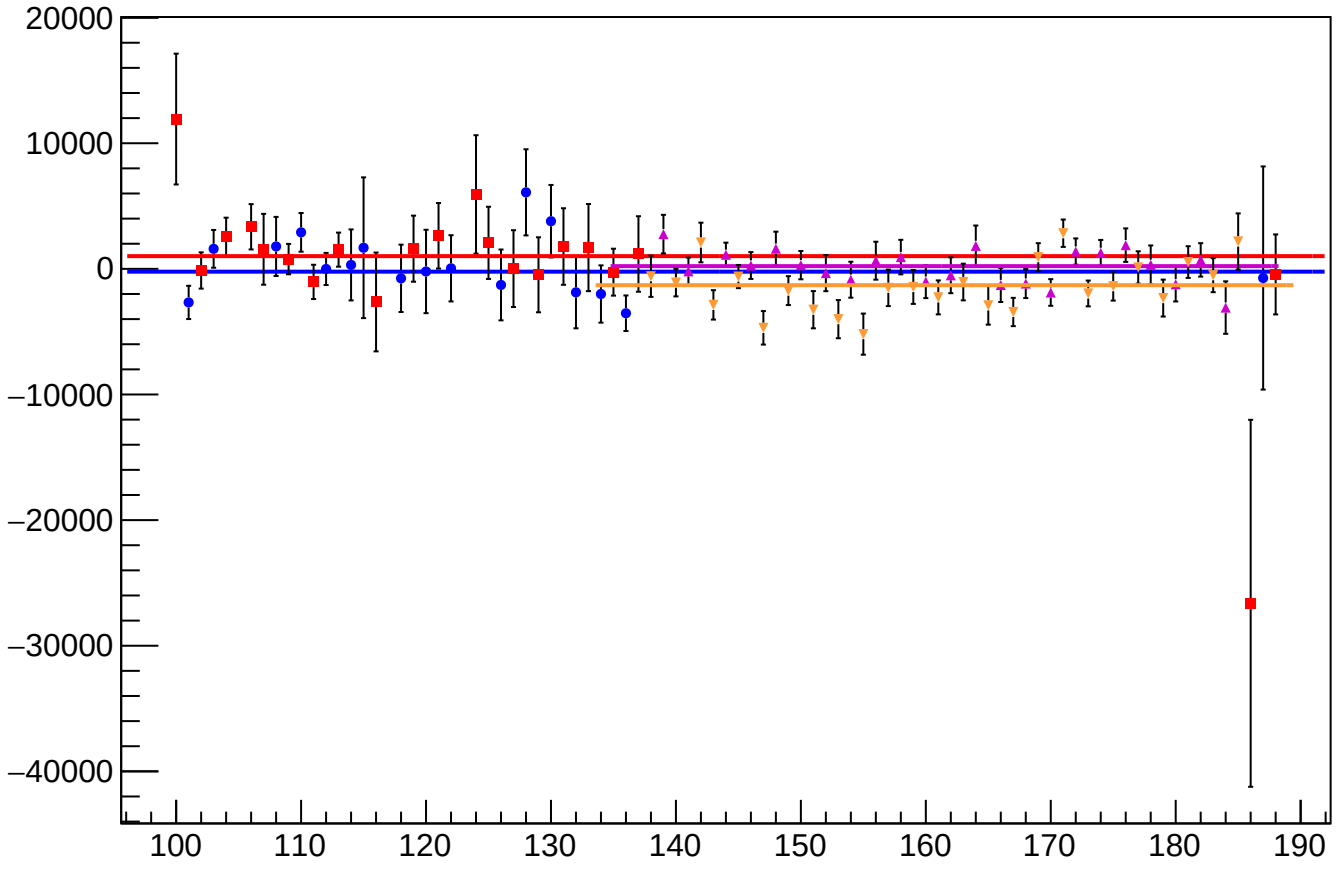
Left: 166.457+/-0.020 χ^2/NDF: 3112355.5/47

Right: 150.036+/-0.027 χ^2/NDF: 1766250.3/37

In: 160.856+/-0.023 χ^2/NDF:2013360.8/39

Out: 160.716+/-0.022 χ^2/NDF:3102133.2/45

All: 160.783+/-0.016 χ^2/NDF: 5115513.0/85



Right In: -222.880+/-505.382 χ^2/NDF: 21.9/16

Left Out: -1298.333+/-256.961 χ^2/NDF:55.1/24

Right Out: 1013.370+/-467.449 χ^2/NDF: 17.4/20

Left In: 217.285+/-264.388 χ^2/NDF:22.2/22

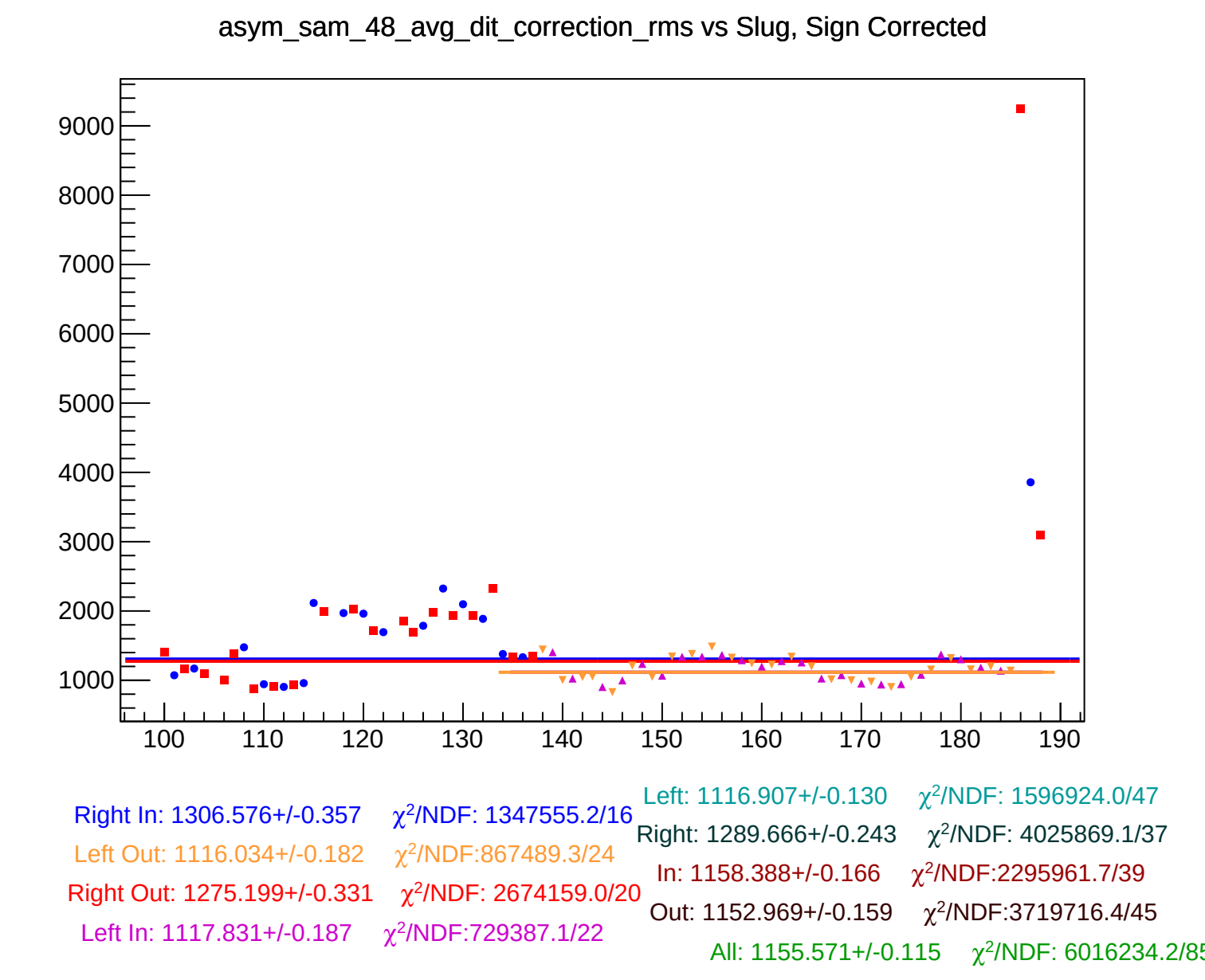
Left: -562.110+/-184.269 χ^2/NDF: 94.2/47

Right: 443.375+/-343.164 χ^2/NDF: 42.5/37

In: 122.705+/-234.267 χ^2/NDF:44.7/39

Out: -761.885+/-225.181 χ^2/NDF:91.3/45

All: -337.077+/-162.344 χ^2/NDF: 143.4/85


asym_sam_48_avg_dit_correction_rms vs Slug, Sign Corrected
9000
8000
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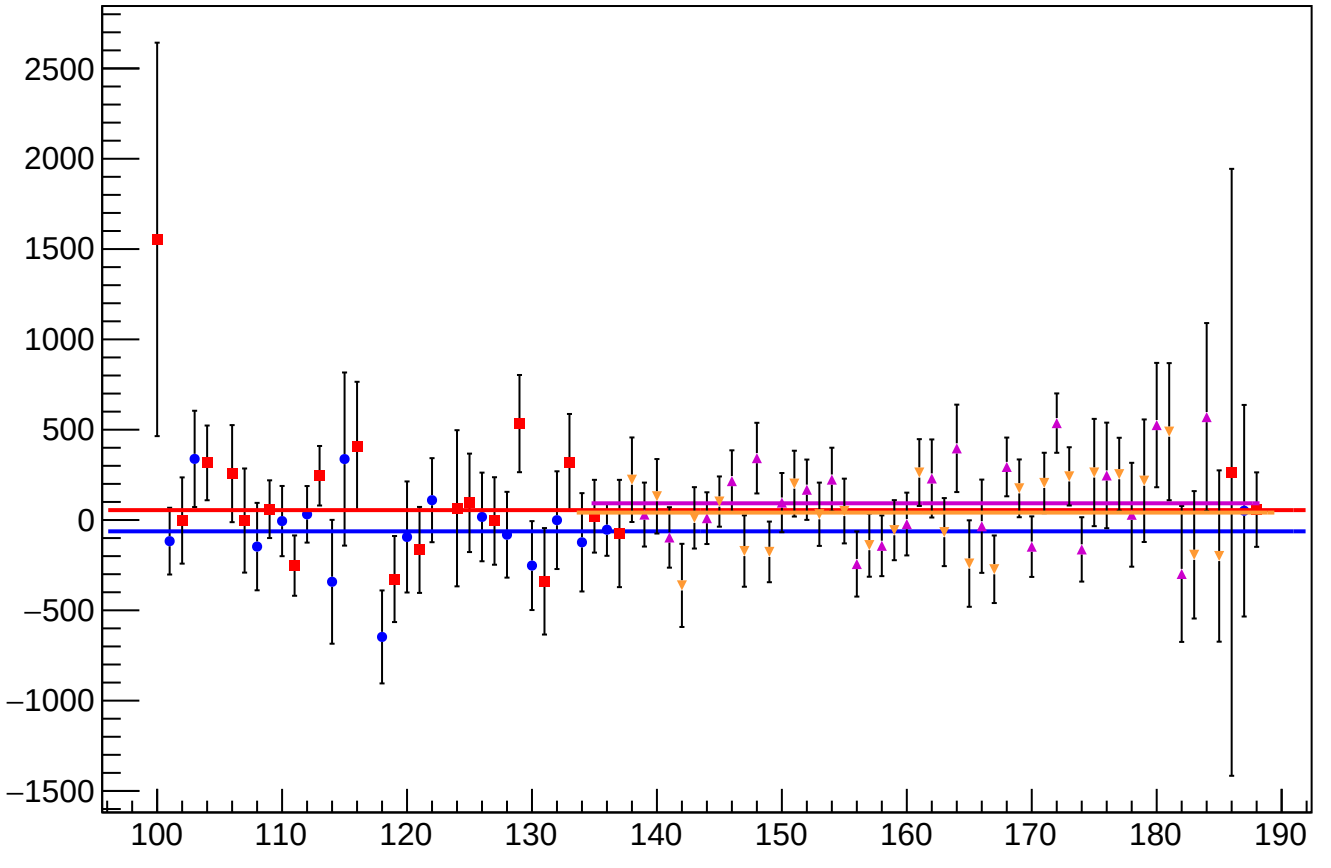
160
170
180
190
Right In: 1306.576+/-0.357 χ²/NDF: 1347555.2/16
Left Out: 1116.034+/-0.182 χ²/NDF:867489.3/24
Right Out: 1275.199+/-0.331 χ²/NDF: 2674159.0/20
Left In: 1117.831+/-0.187 χ²/NDF:729387.1/22
Left: 1116.907+/-0.130 χ²/NDF: 1596924.0/47
Right: 1289.666+/-0.243 χ²/NDF: 4025869.1/37
In: 1158.388+/-0.166 χ²/NDF:2295961.7/39
Out: 1152.969+/-0.159 χ²/NDF:3719716.4/45
All: 1155.571+/-0.115 χ²/NDF: 6016234.2/85



Right In: -62.708+/-56.469 χ^2/NDF: 10.9/16

Left Out: 41.088+/-39.177 χ^2/NDF:22.3/24

Right Out: 54.728+/-52.883 χ^2/NDF: 19.5/20

Left In: 92.556+/-40.165 χ^2/NDF:29.5/22

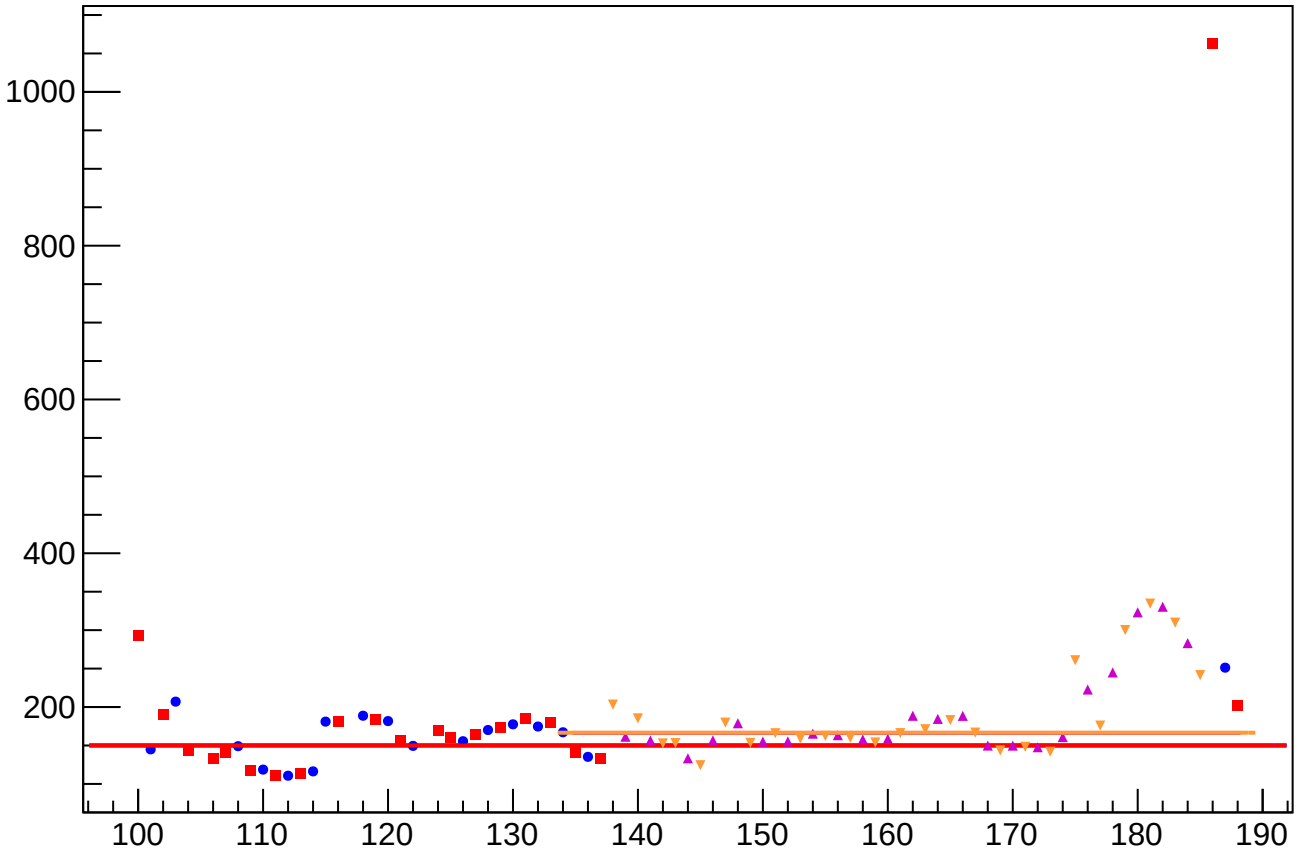
Left: 66.181+/-28.045 χ^2/NDF: 52.7/47

Right: -0.143+/-38.600 χ^2/NDF: 32.7/37

In: 40.395+/-32.730 χ^2/NDF:45.4/39

Out: 45.921+/-31.480 χ^2/NDF:41.9/45

All: 43.266+/-22.689 χ^2/NDF: 87.3/85



Right In: 150.079+/-0.040 χ^2/NDF: 511203.1/16

Left Out: 166.599+/-0.028 χ^2/NDF:1719829.4/24

Right Out: 149.998+/-0.037 χ^2/NDF: 1255049.5/20

Left In: 166.308+/-0.028 χ^2/NDF:1392446.1/22

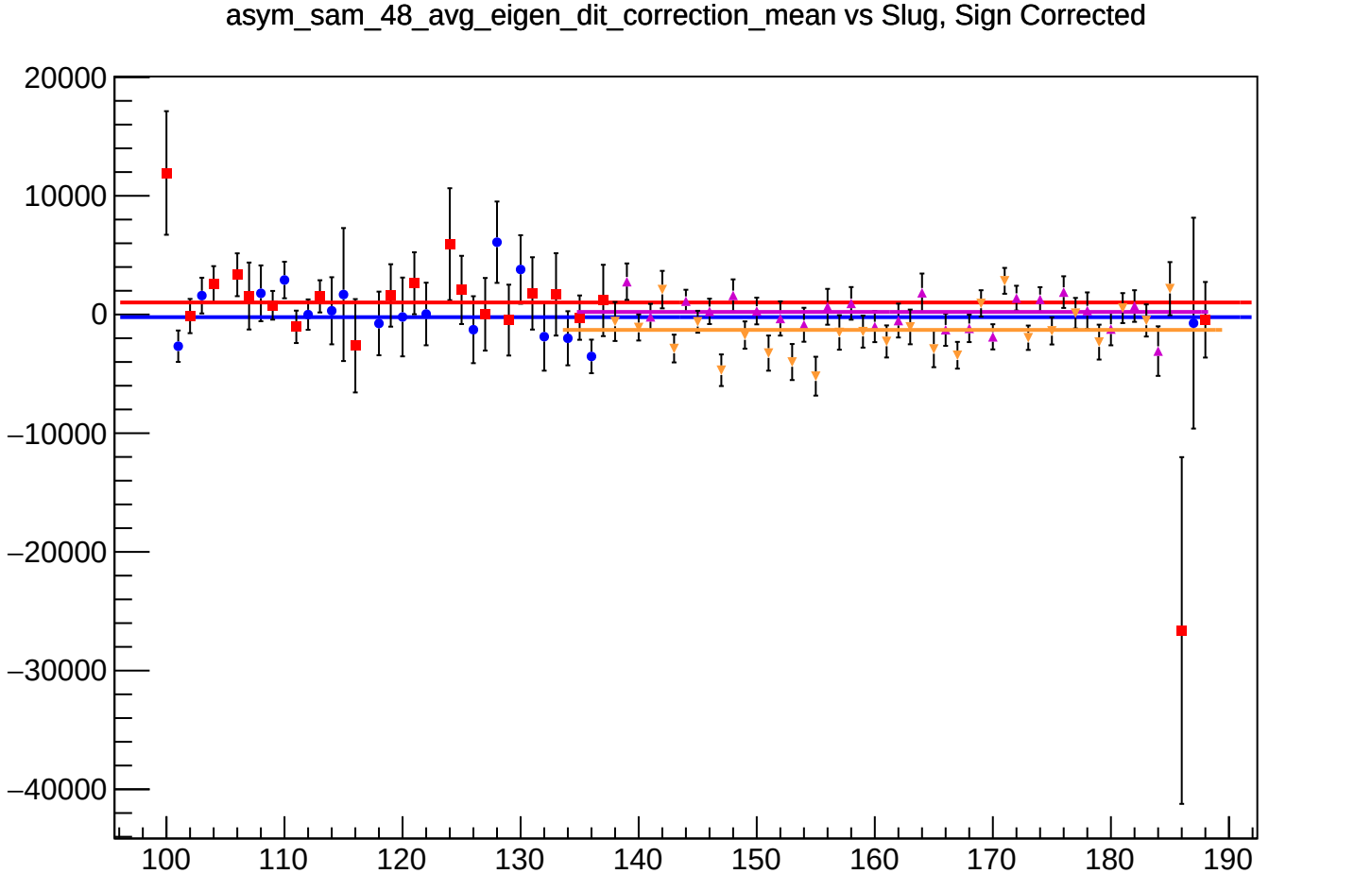
Left: 166.457+/-0.020 χ^2/NDF: 3112329.1/47

Right: 150.036+/-0.027 χ^2/NDF: 1766254.8/37

In: 160.856+/-0.023 χ^2/NDF:2013346.0/39

Out: 160.716+/-0.022 χ^2/NDF:3102133.9/45

All: 160.783+/-0.016 χ^2/NDF: 5115498.9/85



Right In: -222.880+/-505.381 χ^2/NDF: 21.9/16

Left Out: -1298.330+/-256.961 χ^2/NDF:55.1/24

Right Out: 1013.368+/-467.448 χ^2/NDF: 17.4/20

Left In: 217.283+/-264.388 χ^2/NDF:22.2/22

Left: -562.109+/-184.268 χ^2/NDF: 94.2/47

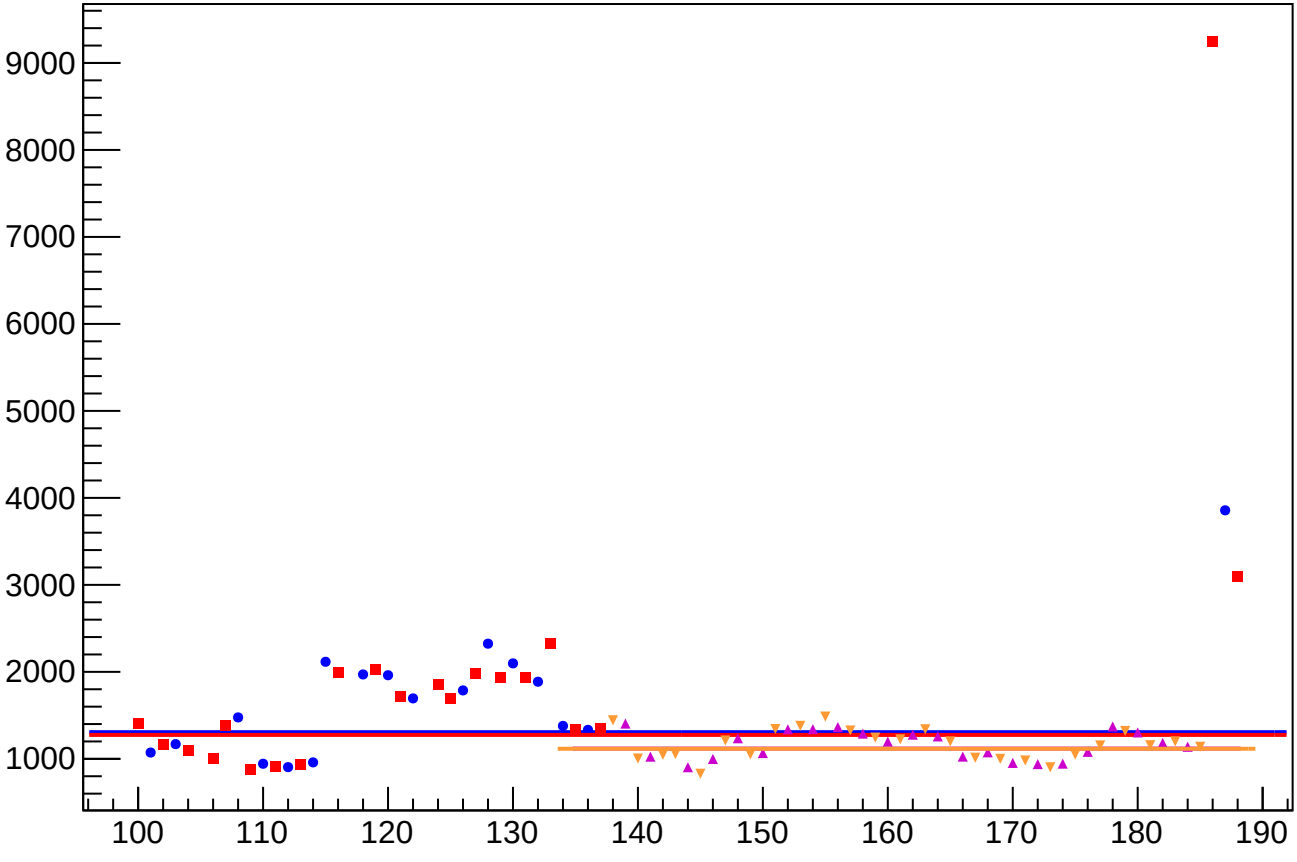
Right: 443.375+/-343.163 χ^2/NDF: 42.5/37

In: 122.704+/-234.267 χ^2/NDF:44.7/39

Out: -761.883+/-225.181 χ^2/NDF:91.3/45

All: -337.077+/-162.344 χ^2/NDF: 143.4/85

asym_sam_48_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1306.575+/-0.357 χ^2/NDF: 1347559.2/16

Left Out: 1116.032+/-0.182 χ^2/NDF:867491.2/24

Right Out: 1275.197+/-0.331 χ^2/NDF: 2674159.9/20

Left In: 1117.829+/-0.187 χ^2/NDF:729386.0/22

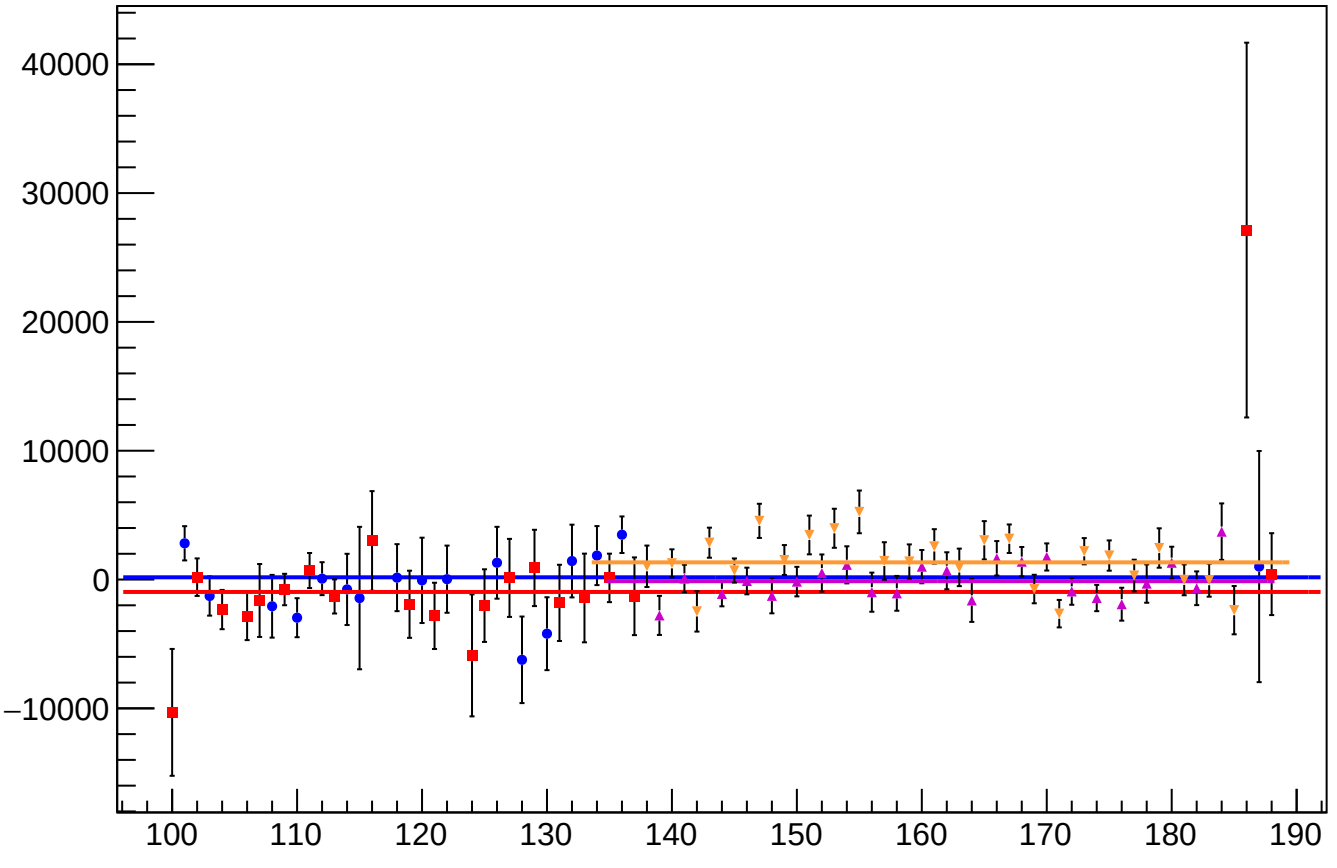
Left: 1116.905+/-0.130 χ^2/NDF: 1596924.8/47

Right: 1289.665+/-0.243 χ^2/NDF: 4025874.1/37

In: 1158.386+/-0.166 χ^2/NDF:2295966.2/39

Out: 1152.967+/-0.159 χ^2/NDF:3719721.1/45

All: 1155.569+/-0.115 χ^2/NDF: 6016243.4/85



Right In: 173.698+/-504.337 χ^2/NDF: 22.6/16

Left Out: 1334.704+/-254.187 χ^2/NDF:55.7/24

Right Out: -963.618+/-466.648 χ^2/NDF: 15.5/20

Left In: -128.368+/-261.415 χ^2/NDF:24.0/22

Left: 623.675+/-182.239 χ^2/NDF: 95.8/47

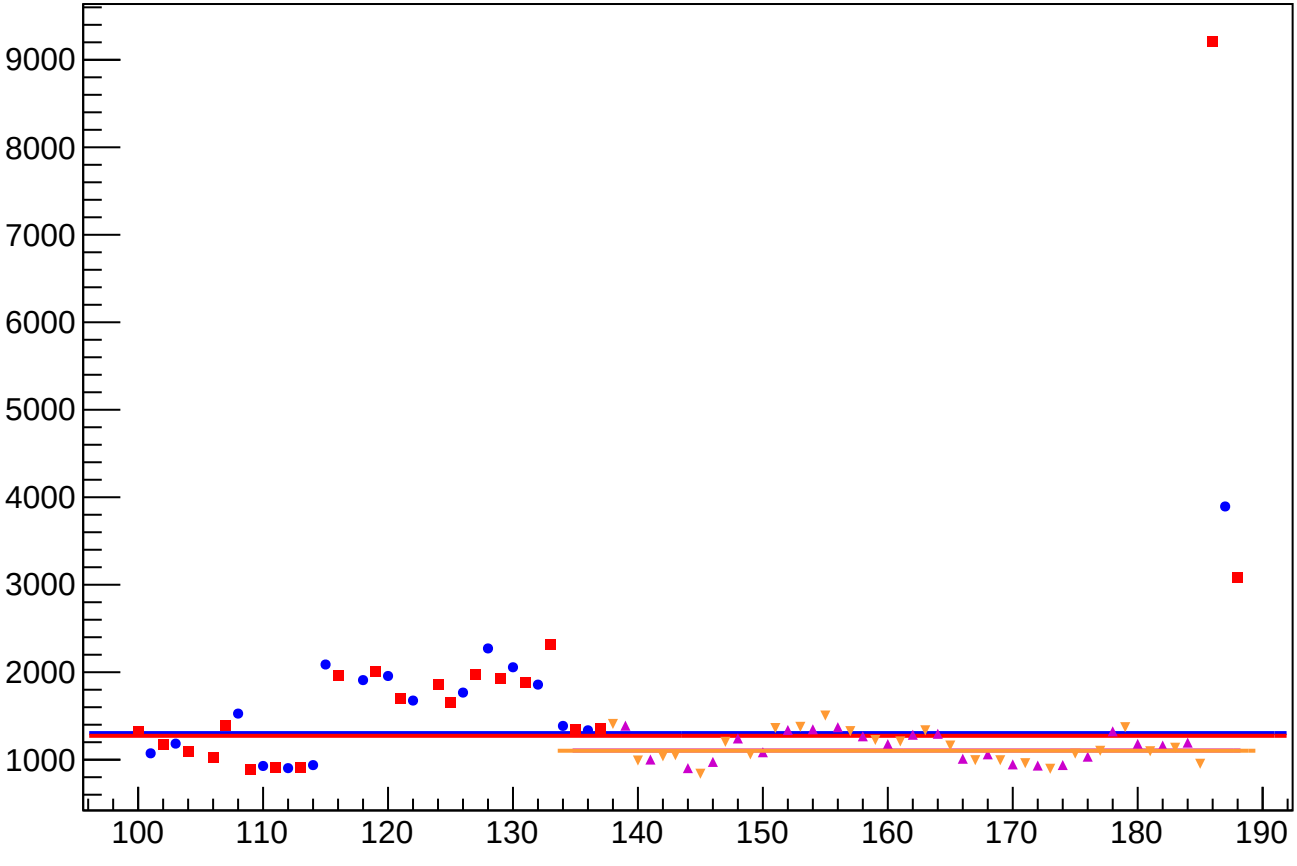
Right: -439.039+/-342.520 χ^2/NDF: 40.8/37

In: -64.398+/-232.090 χ^2/NDF:46.9/39

Out: 808.812+/-223.220 χ^2/NDF:89.9/45

All: 389.213+/-160.885 χ^2/NDF: 144.1/85

asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 1304.197+/-0.357 χ^2/NDF: 1321417.0/16

Left Out: 1102.700+/-0.180 χ^2/NDF:880468.6/24

Right Out: 1273.233+/-0.330 χ^2/NDF: 2638932.5/20

Left In: 1105.200+/-0.185 χ^2/NDF:723304.5/22

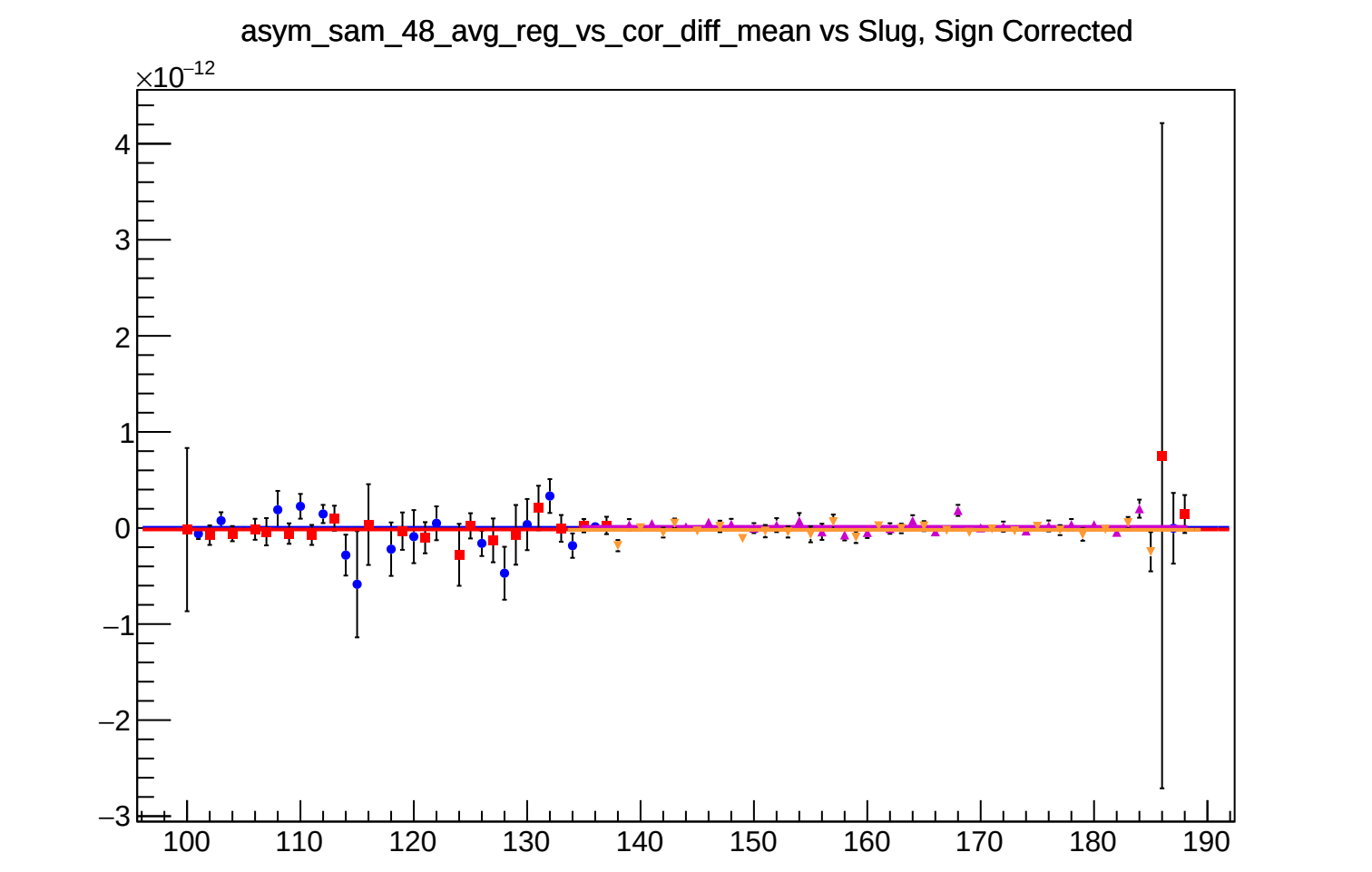
Left: 1103.915+/-0.129 χ^2/NDF: 1603867.1/47

Right: 1287.515+/-0.242 χ^2/NDF: 3964411.2/37

In: 1147.342+/-0.164 χ^2/NDF:2290154.8/39

Out: 1141.721+/-0.158 χ^2/NDF:3725380.2/45

All: 1144.422+/-0.114 χ^2/NDF: 6016144.4/85



Right In: 0.000+/-0.000 χ^2/NDF: 22.2/16

Left Out: -0.000+/-0.000 χ^2/NDF:26.5/24

Right Out: -0.000+/-0.000 χ^2/NDF: 5.5/20

Left In: 0.000+/-0.000 χ^2/NDF:27.1/22

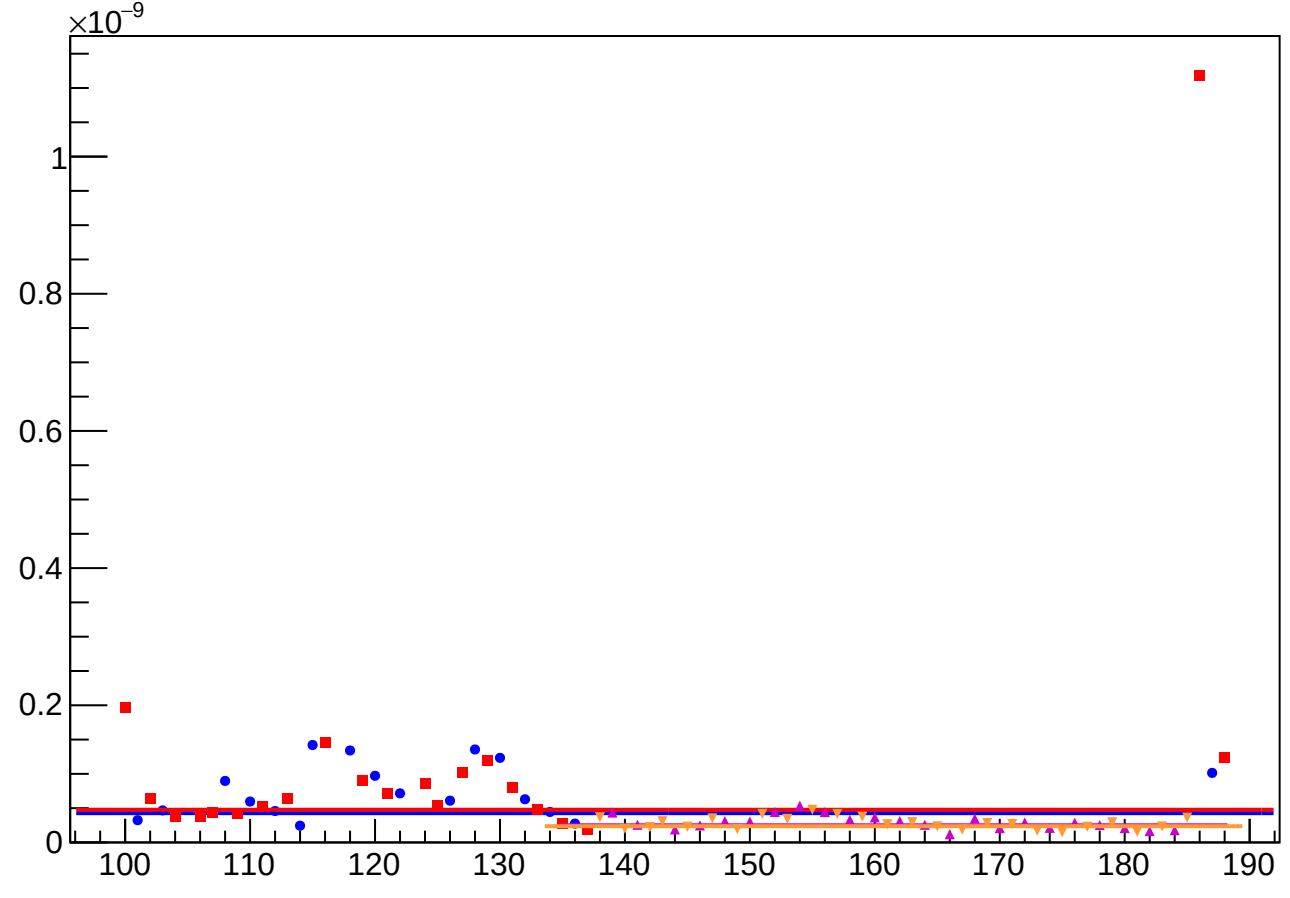
Left: -0.000+/-0.000 χ^2/NDF: 58.8/47

Right: -0.000+/-0.000 χ^2/NDF: 27.9/37

In: 0.000+/-0.000 χ^2/NDF:49.4/39

Out: -0.000+/-0.000 χ^2/NDF:32.0/45

All: -0.000+/-0.000 χ^2/NDF: 86.7/85



Right In: 0.000+/-0.000 χ^2/NDF: 1392406.3/16

Left Out: 0.000+/-0.000 χ^2/NDF:1433511.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 1611148.2/20

Left In: 0.000+/-0.000 χ^2/NDF:1544727.7/22

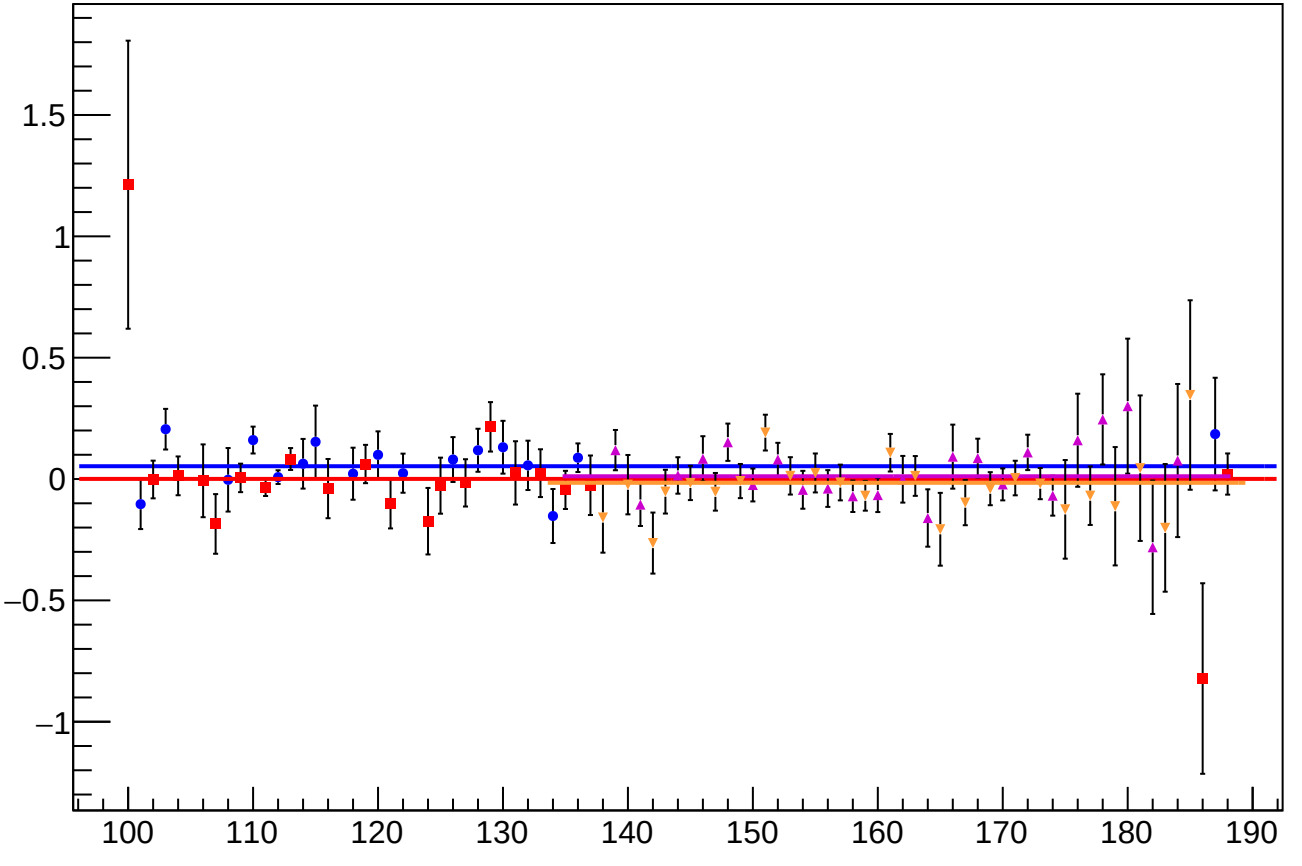
Left: 0.000+/-0.000 χ^2/NDF: 2998078.9/47

Right: 0.000+/-0.000 χ^2/NDF: 3035399.2/37

In: 0.000+/-0.000 χ^2/NDF:3700791.7/39

Out: 0.000+/-0.000 χ^2/NDF:4320666.6/45

All: 0.000+/-0.000 χ^2/NDF: 8042878.0/85



Right In: 0.053+/-0.018 χ^2/NDF: 18.3/16

Left Out: -0.016+/-0.018 χ^2/NDF:21.6/24

Right Out: 0.001+/-0.018 χ^2/NDF: 23.7/20

Left In: 0.011+/-0.018 χ^2/NDF:23.3/22

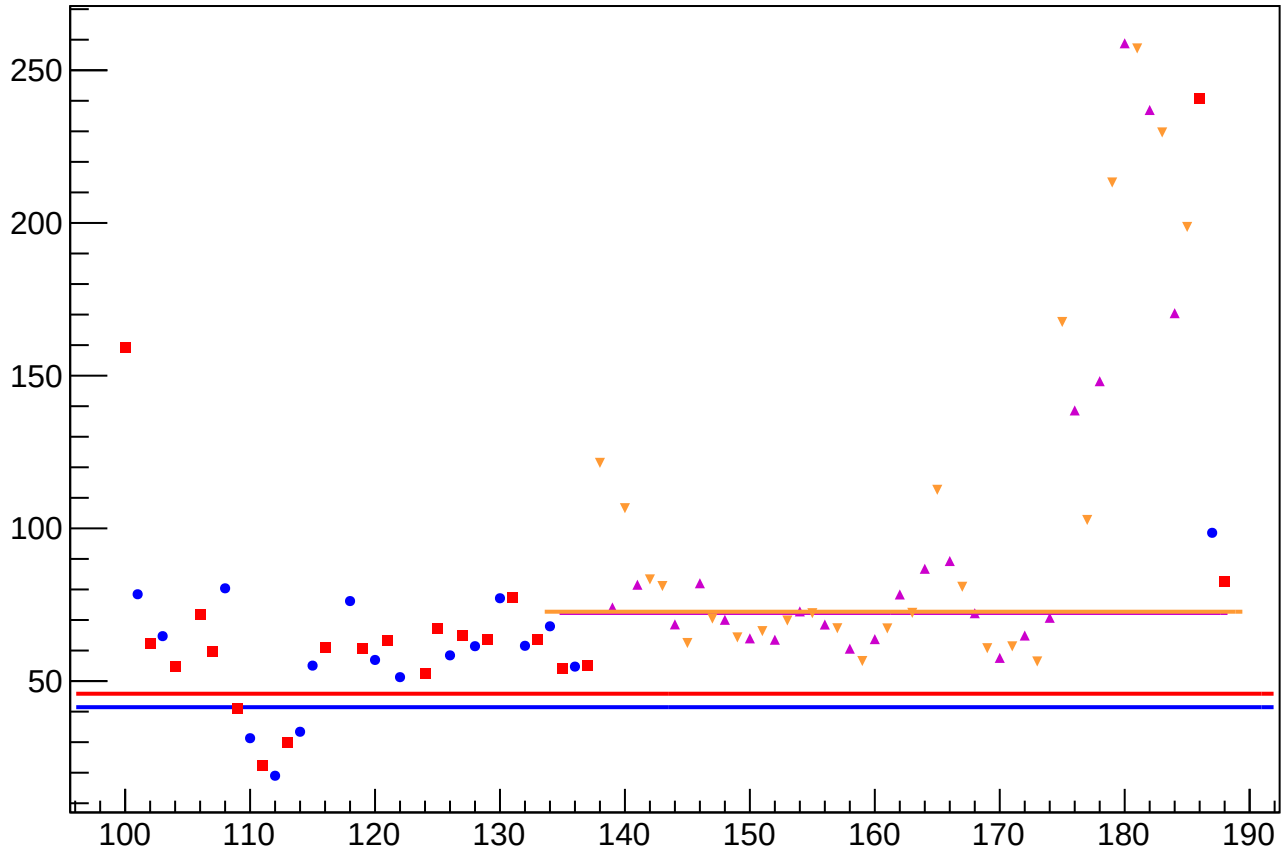
Left: -0.002+/-0.013 χ^2/NDF: 46.1/47

Right: 0.026+/-0.012 χ^2/NDF: 46.4/37

In: 0.033+/-0.013 χ^2/NDF:44.3/39

Out: -0.007+/-0.013 χ^2/NDF:45.7/45

All: 0.012+/-0.009 χ^2/NDF: 95.0/85



Right In: 41.455+/-0.013 χ^2/NDF: 3047078.4/16

Left Out: 72.715+/-0.013 χ^2/NDF:3961158.6/24

Right Out: 45.860+/-0.012 χ^2/NDF: 2942799.2/20

Left In: 72.298+/-0.013 χ^2/NDF:2790214.3/22

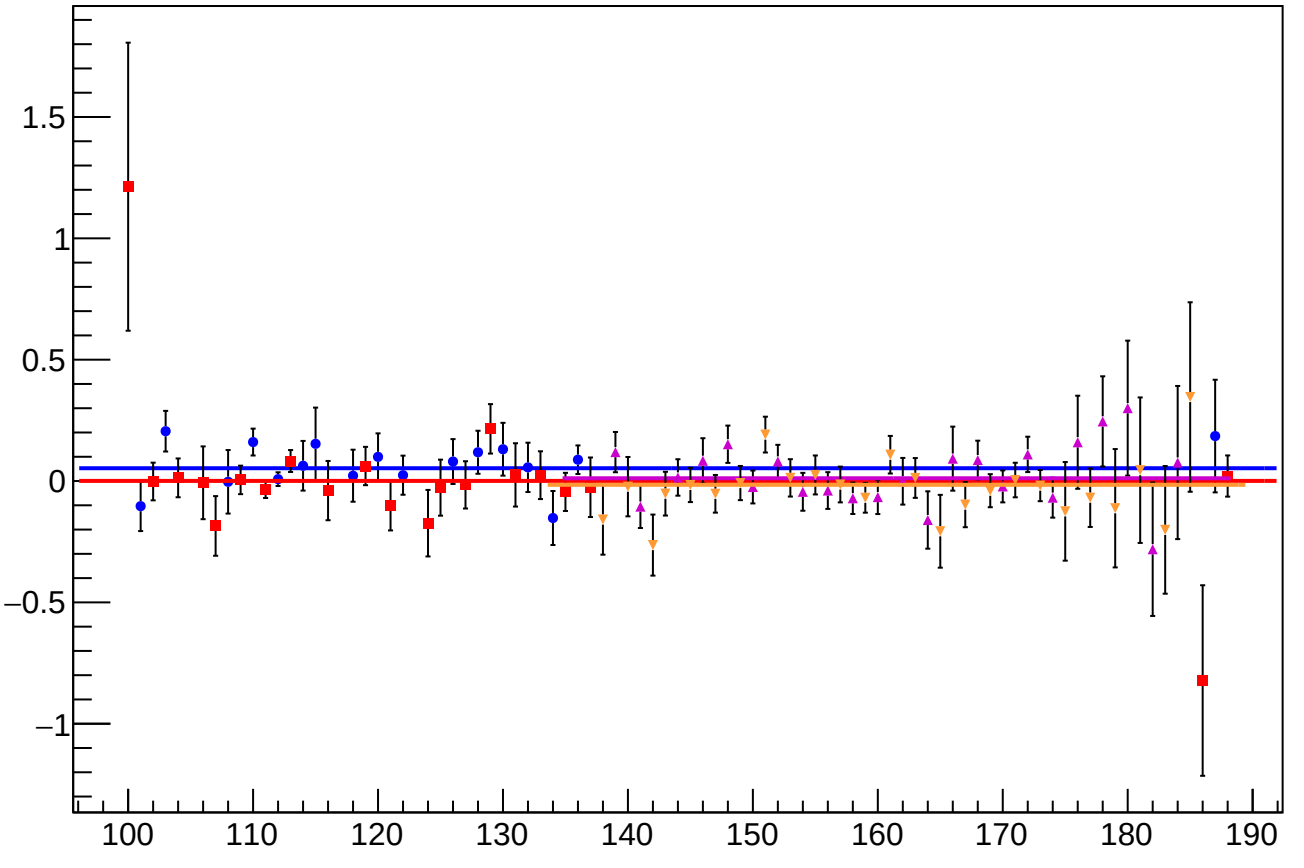
Left: 72.510+/-0.009 χ^2/NDF: 6751905.2/47

Right: 43.682+/-0.009 χ^2/NDF: 6052373.6/37

In: 56.418+/-0.009 χ^2/NDF:8776742.6/39

Out: 58.956+/-0.009 χ^2/NDF:9194657.7/45

All: 57.704+/-0.006 χ^2/NDF: 18011781.5/85



Right In: 0.053+/-0.018 χ^2/NDF: 18.3/16

Left Out: -0.016+/-0.018 χ^2/NDF:21.6/24

Right Out: 0.001+/-0.018 χ^2/NDF: 23.7/20

Left In: 0.011+/-0.018 χ^2/NDF:23.3/22

Left: -0.002+/-0.013 χ^2/NDF: 46.1/47

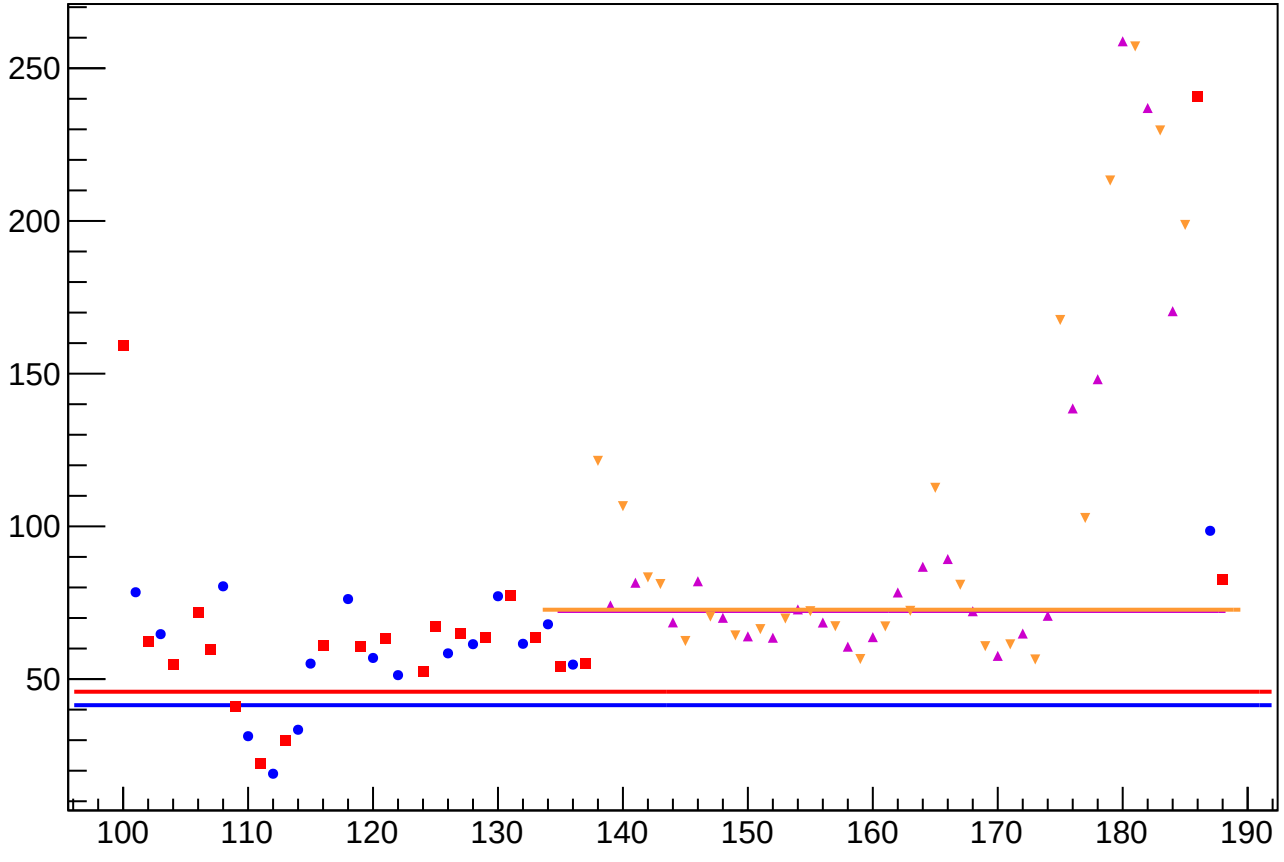
Right: 0.026+/-0.012 χ^2/NDF: 46.4/37

In: 0.033+/-0.013 χ^2/NDF:44.3/39

Out: -0.007+/-0.013 χ^2/NDF:45.7/45

All: 0.012+/-0.009 χ^2/NDF: 95.0/85

asym_sam_48_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.455+/-0.013 χ^2/NDF: 3047078.4/16

Left Out: 72.715+/-0.013 χ^2/NDF:3961158.6/24

Right Out: 45.860+/-0.012 χ^2/NDF: 2942799.2/20

Left In: 72.298+/-0.013 χ^2/NDF:2790214.3/22

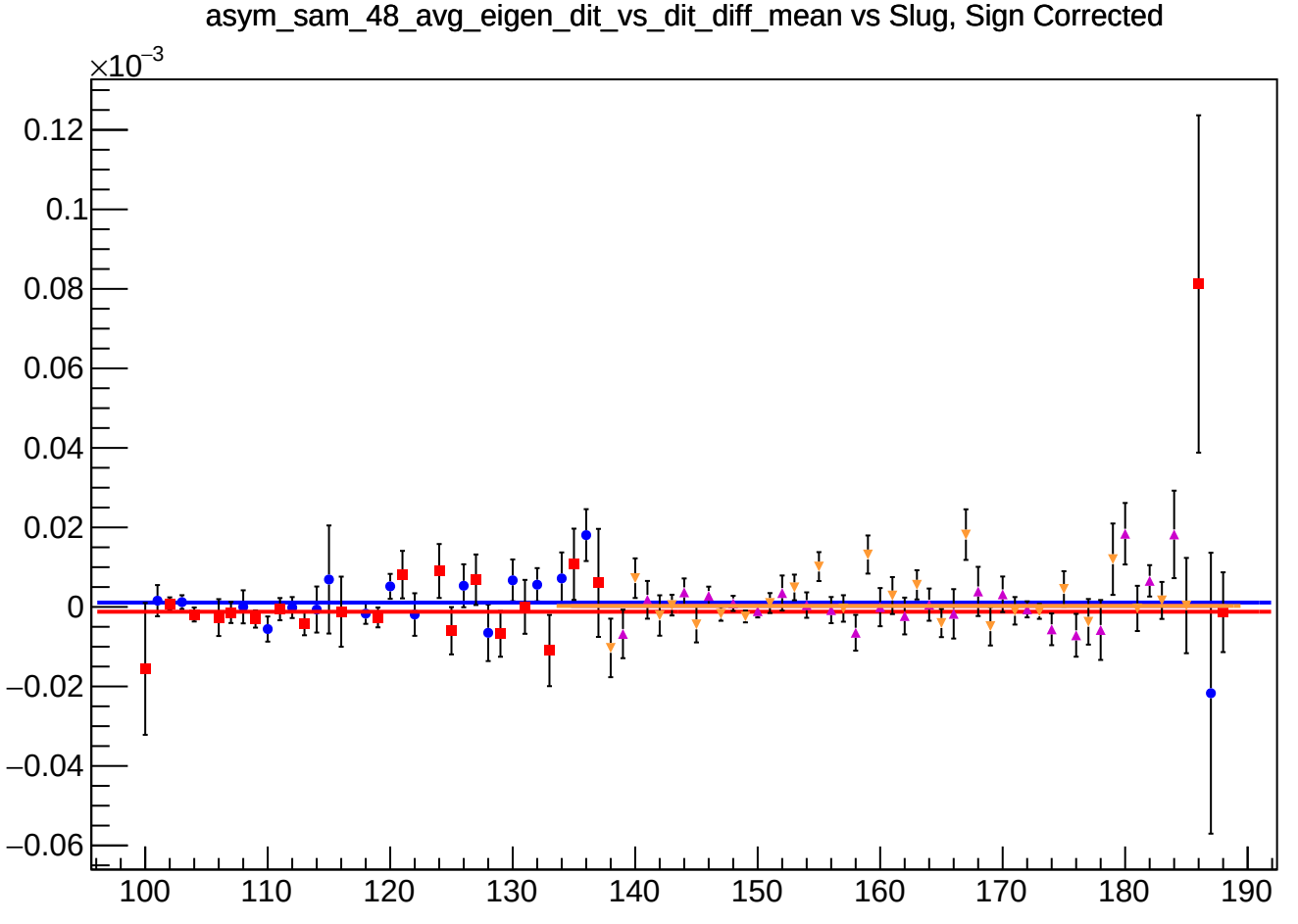
Left: 72.510+/-0.009 χ^2/NDF: 6751905.2/47

Right: 43.682+/-0.009 χ^2/NDF: 6052373.6/37

In: 56.418+/-0.009 χ^2/NDF:8776742.6/39

Out: 58.956+/-0.009 χ^2/NDF:9194657.7/45

All: 57.704+/-0.006 χ^2/NDF: 18011781.5/85



Right In: 0.000+/-0.000 χ^2/NDF: 20.3/16

Left Out: 0.000+/-0.000 χ^2/NDF:43.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 19.7/20

Left In: 0.000+/-0.000 χ^2/NDF:24.1/22

Left: 0.000+/-0.000 χ^2/NDF: 67.4/47

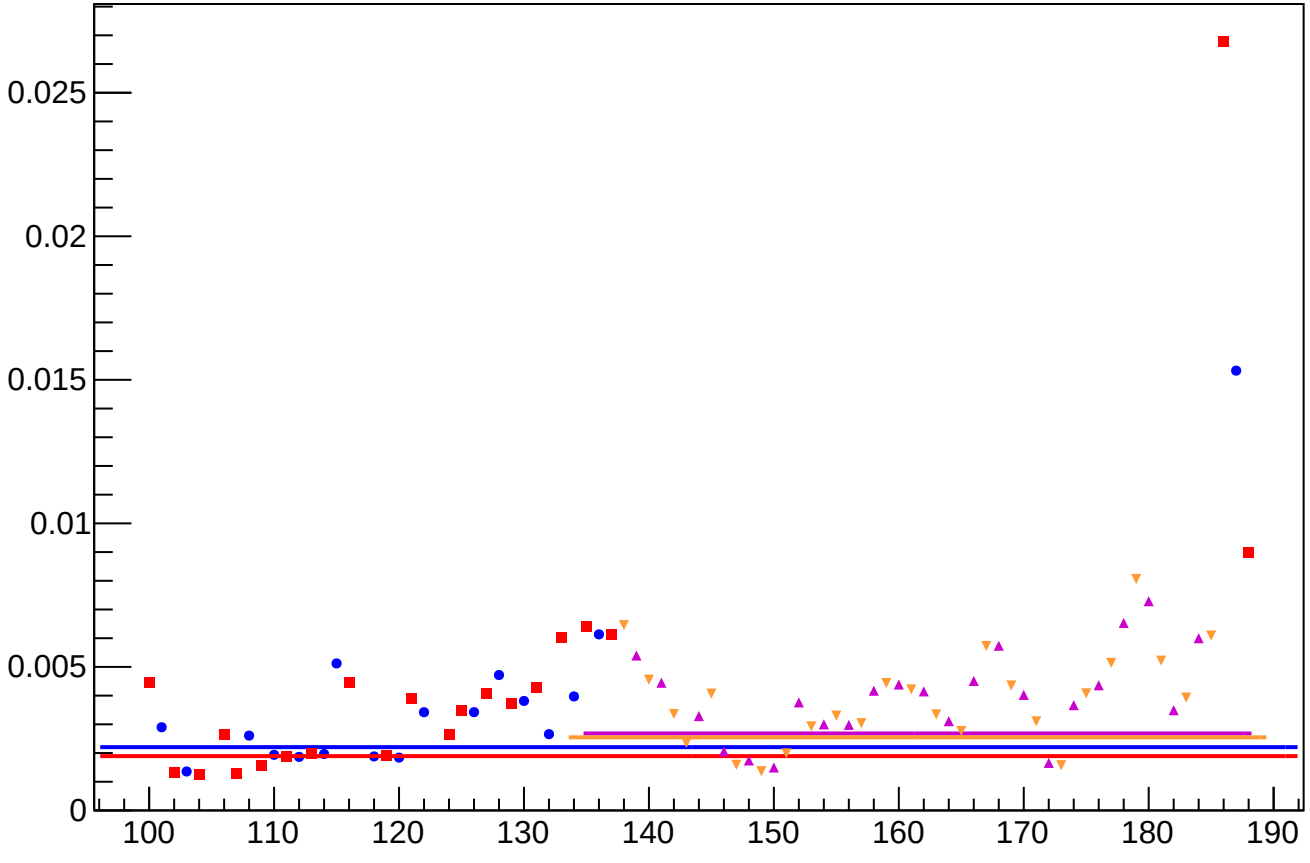
Right: -0.000+/-0.000 χ^2/NDF: 43.8/37

In: 0.000+/-0.000 χ^2/NDF:44.9/39

Out: -0.000+/-0.000 χ^2/NDF:65.2/45

All: 0.000+/-0.000 χ^2/NDF: 111.7/85

asym_sam_48_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 2568700.5/16

Left Out: 0.003+/-0.000 χ^2/NDF:7499900.9/24

Right Out: 0.002+/-0.000 χ^2/NDF: 4834894.0/20

Left In: 0.003+/-0.000 χ^2/NDF:6504235.2/22

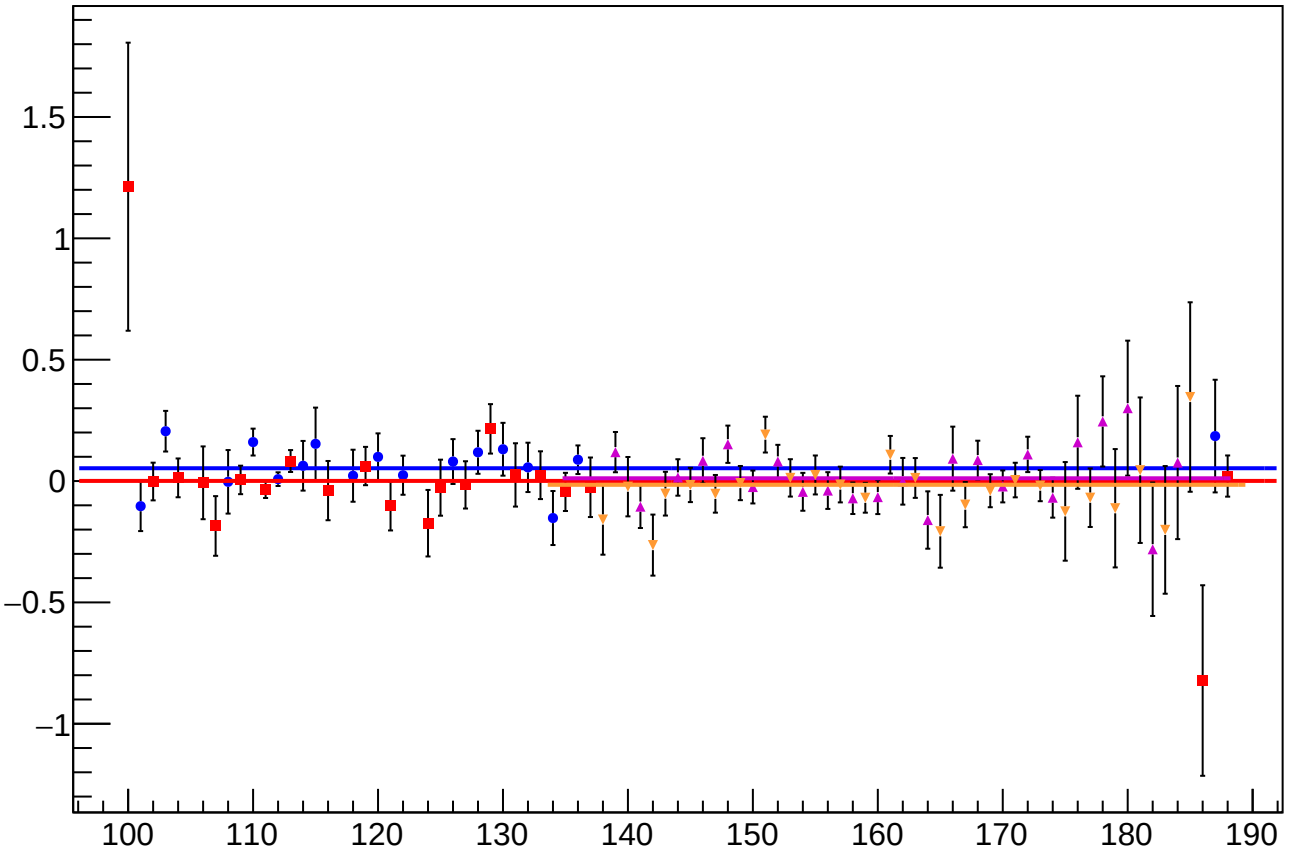
Left: 0.003+/-0.000 χ^2/NDF: 14042947.3/47

Right: 0.002+/-0.000 χ^2/NDF: 7542922.6/37

In: 0.003+/-0.000 χ^2/NDF:9415650.4/39

Out: 0.002+/-0.000 χ^2/NDF:13185708.9/45

All: 0.002+/-0.000 χ^2/NDF: 22795053.2/85



Right In: 0.053+/-0.018 χ^2/NDF: 18.3/16

Left Out: -0.016+/-0.018 χ^2/NDF:21.6/24

Right Out: 0.001+/-0.018 χ^2/NDF: 23.7/20

Left In: 0.011+/-0.018 χ^2/NDF:23.3/22

Left: -0.002+/-0.013 χ^2/NDF: 46.1/47

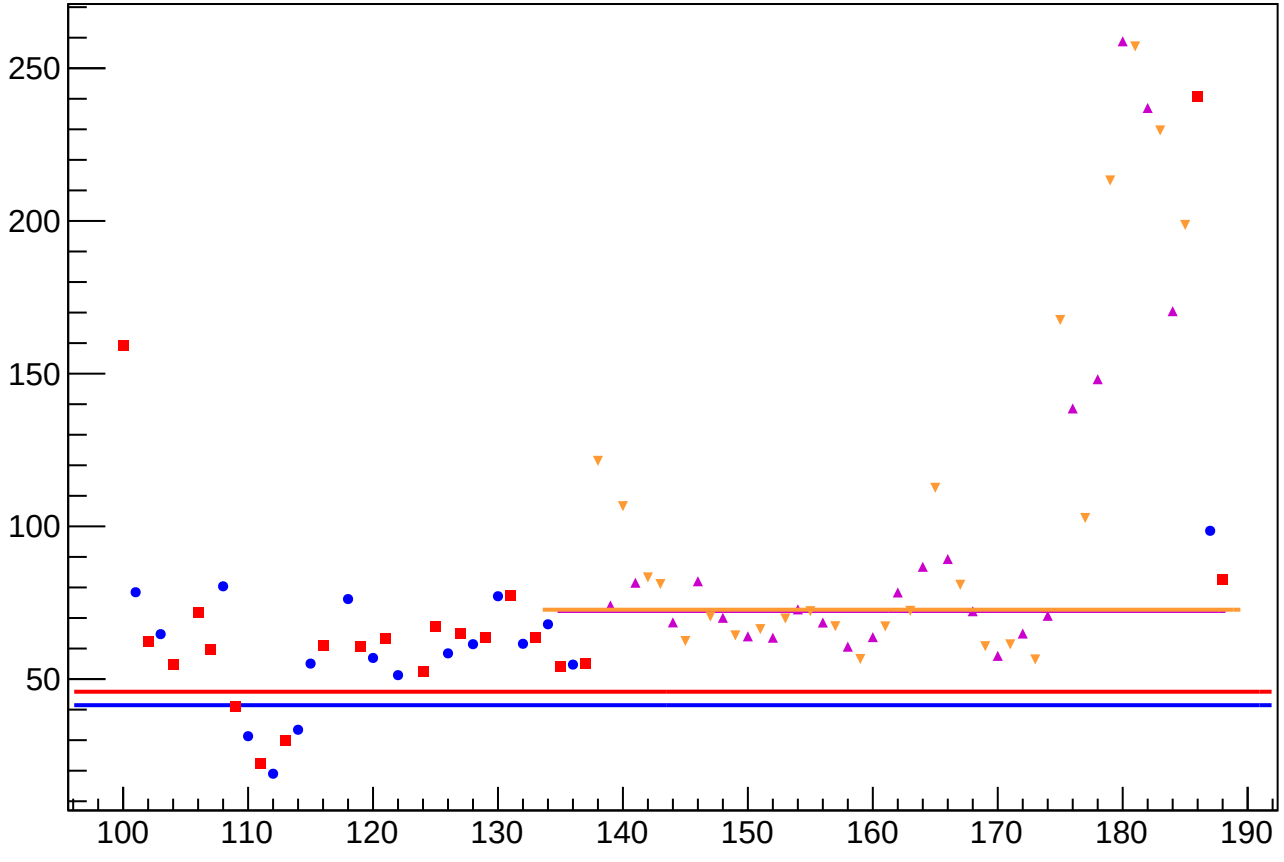
Right: 0.026+/-0.012 χ^2/NDF: 46.4/37

In: 0.033+/-0.013 χ^2/NDF:44.3/39

Out: -0.007+/-0.013 χ^2/NDF:45.7/45

All: 0.012+/-0.009 χ^2/NDF: 95.0/85

asym_sam_48_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.454+/-0.013 χ^2/NDF: 3047246.8/16

Left Out: 72.716+/-0.013 χ^2/NDF:3961100.5/24

Right Out: 45.859+/-0.012 χ^2/NDF: 2942988.1/20

Left In: 72.298+/-0.013 χ^2/NDF:2790146.5/22

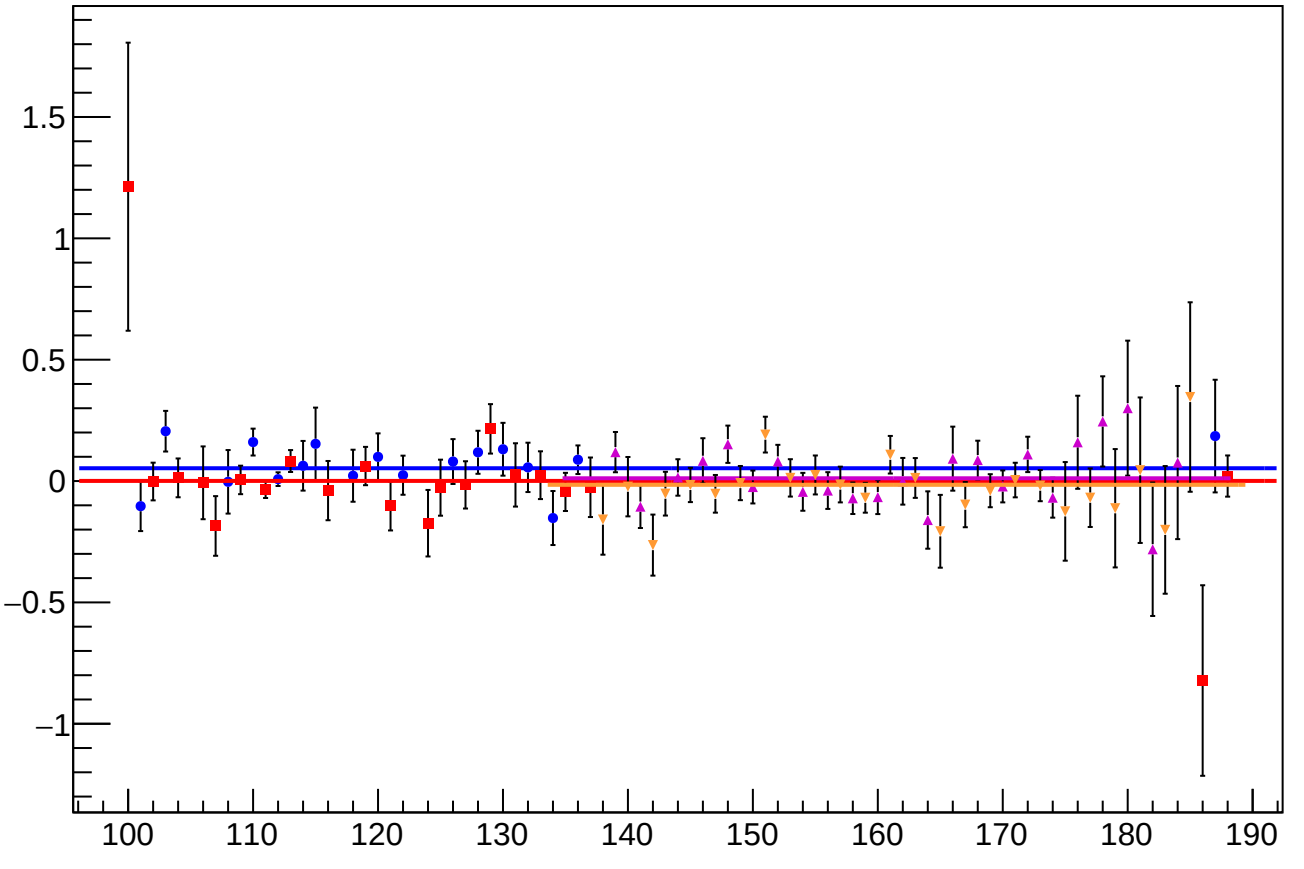
Left: 72.510+/-0.009 χ^2/NDF: 6751779.3/47

Right: 43.681+/-0.009 χ^2/NDF: 6052733.5/37

In: 56.418+/-0.009 χ^2/NDF:8777154.0/39

Out: 58.955+/-0.009 χ^2/NDF:9195057.1/45

All: 57.704+/-0.006 χ^2/NDF: 18012595.6/85



Right In: 0.053+/-0.018 χ^2/NDF: 18.3/16

Left Out: -0.016+/-0.018 χ^2/NDF:21.6/24

Right Out: 0.001+/-0.018 χ^2/NDF: 23.7/20

Left In: 0.011+/-0.018 χ^2/NDF:23.3/22

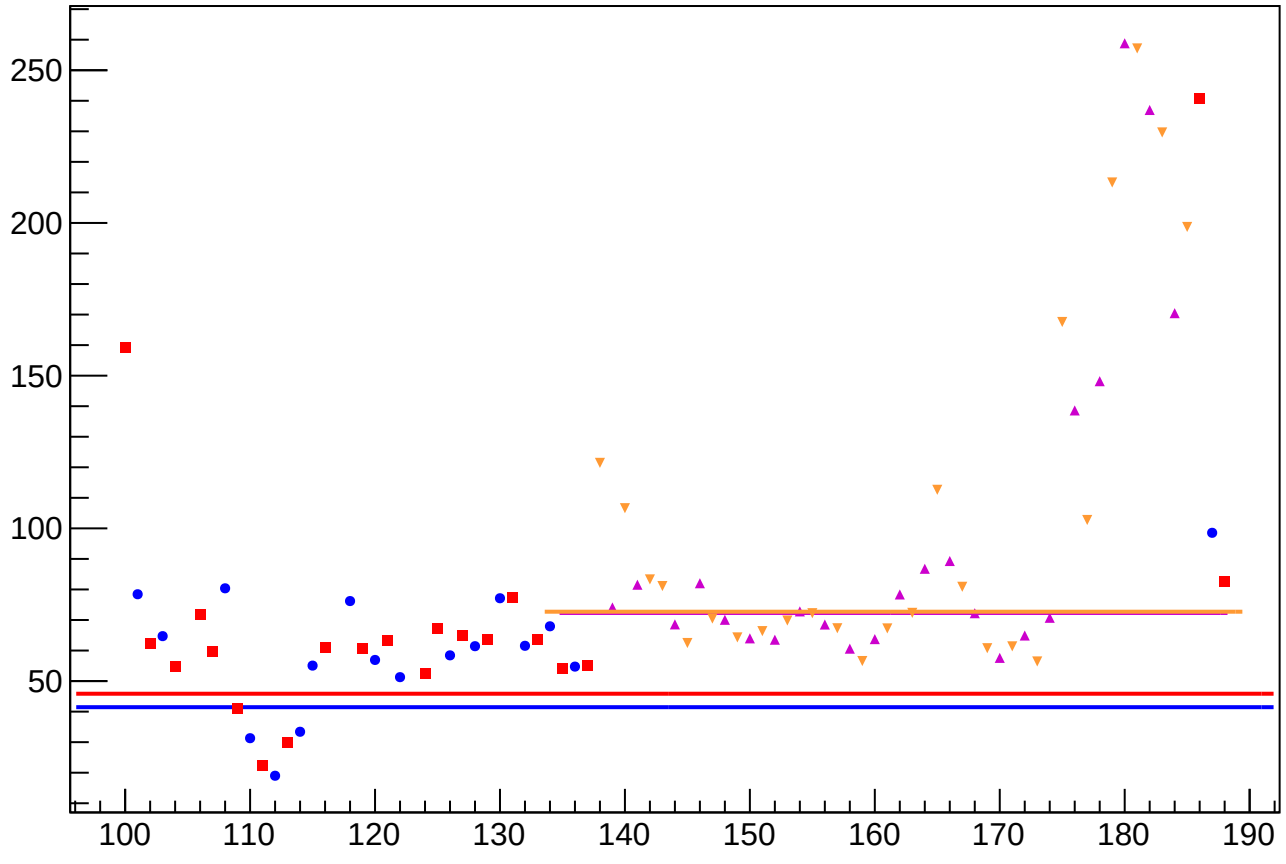
Left: -0.002+/-0.013 χ^2/NDF: 46.1/47

Right: 0.026+/-0.012 χ^2/NDF: 46.4/37

In: 0.033+/-0.013 χ^2/NDF:44.3/39

Out: -0.007+/-0.013 χ^2/NDF:45.7/45

All: 0.012+/-0.009 χ^2/NDF: 95.0/85



Right In: 41.454+/-0.013 χ^2/NDF: 3047246.8/16

Left Out: 72.716+/-0.013 χ^2/NDF:3961100.5/24

Right Out: 45.859+/-0.012 χ^2/NDF: 2942988.1/20

Left In: 72.298+/-0.013 χ^2/NDF:2790146.5/22

Left: 72.510+/-0.009 χ^2/NDF: 6751779.3/47

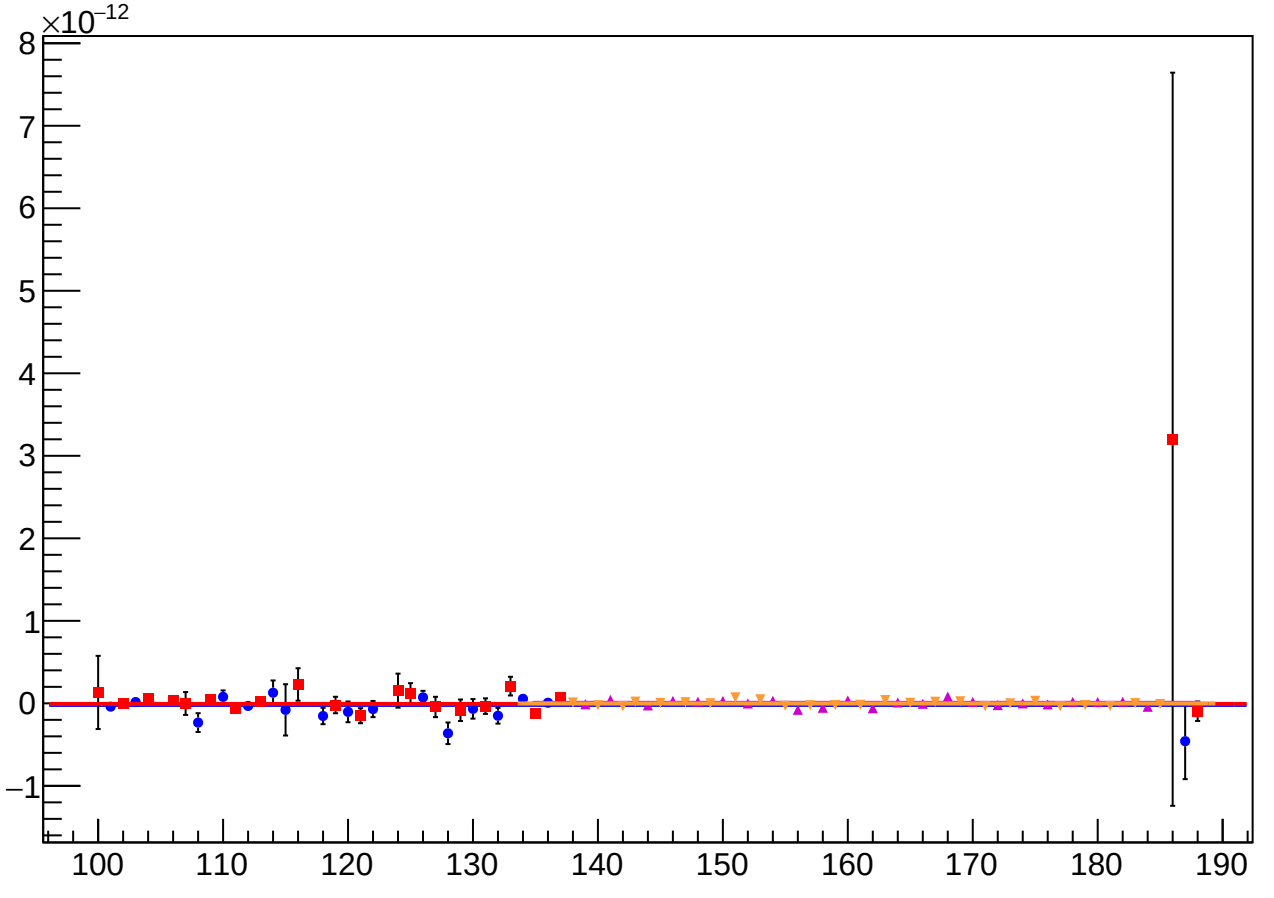
Right: 43.681+/-0.009 χ^2/NDF: 6052733.5/37

In: 56.418+/-0.009 χ^2/NDF:8777154.0/39

Out: 58.955+/-0.009 χ^2/NDF:9195057.1/45

All: 57.704+/-0.006 χ^2/NDF: 18012595.6/85

asym_sam_48_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 23.9/16

Left Out: -0.000+/-0.000 χ^2/NDF:27.9/24

Right Out: -0.000+/-0.000 χ^2/NDF: 24.4/20

Left In: 0.000+/-0.000 χ^2/NDF:38.3/22

Left: 0.000+/-0.000 χ^2/NDF: 67.2/47

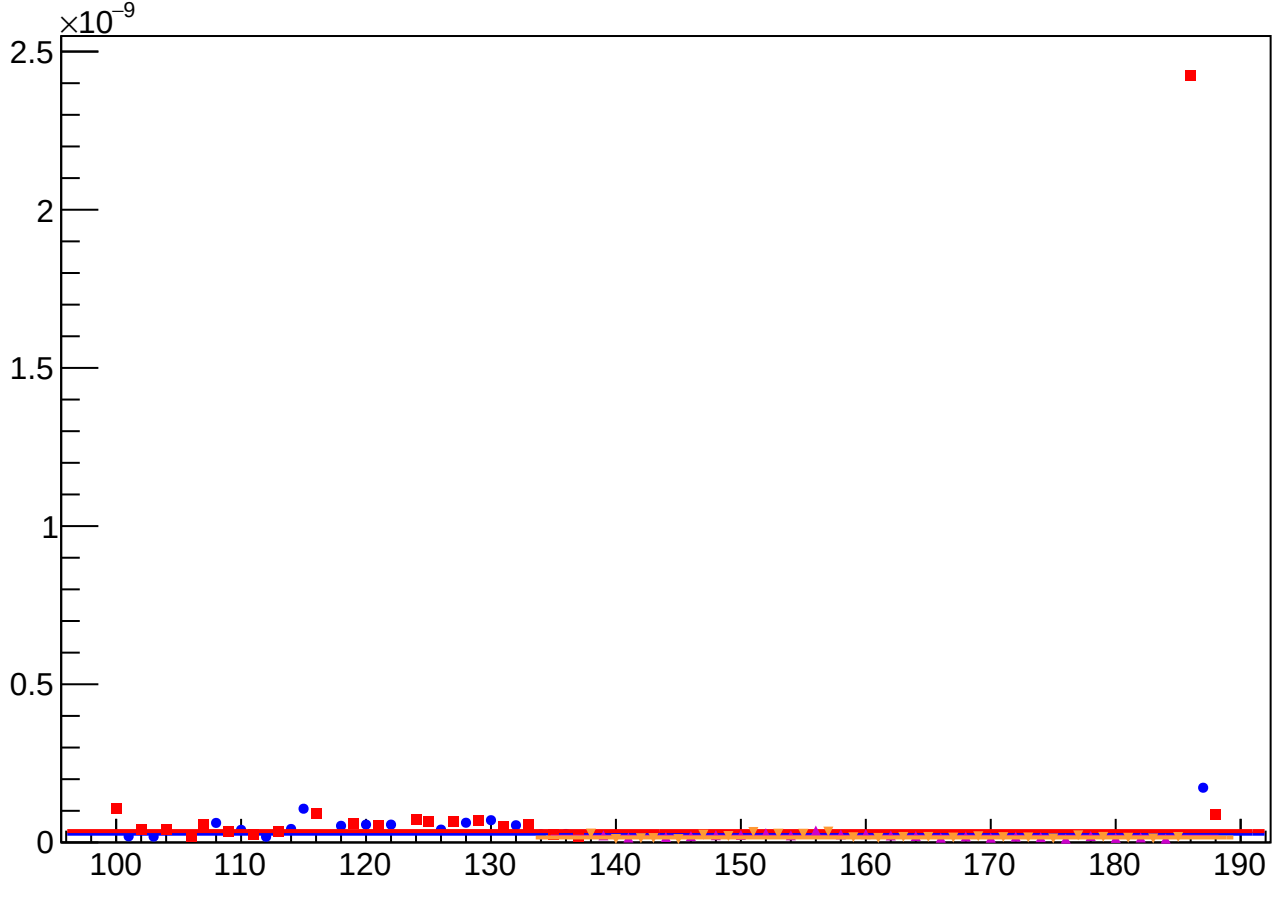
Right: -0.000+/-0.000 χ^2/NDF: 48.6/37

In: 0.000+/-0.000 χ^2/NDF:64.8/39

Out: -0.000+/-0.000 χ^2/NDF:52.4/45

All: 0.000+/-0.000 χ^2/NDF: 117.7/85

asym_sam_48_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1999504.9/16

Left Out: 0.000+/-0.000 χ^2/NDF:2331257.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2653454.8/20

Left In: 0.000+/-0.000 χ^2/NDF:1621439.8/22

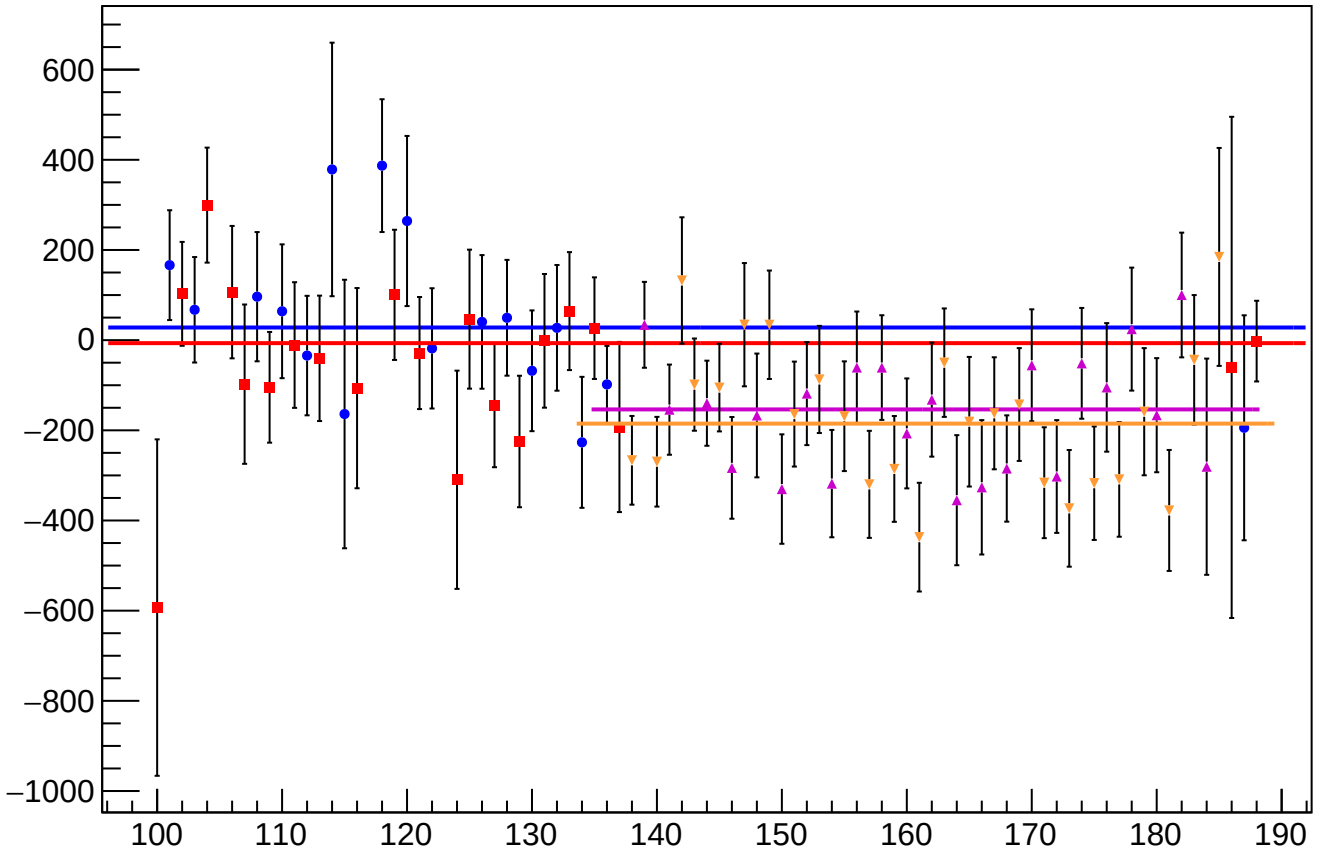
Left: 0.000+/-0.000 χ^2/NDF: 4185951.3/47

Right: 0.000+/-0.000 χ^2/NDF: 4936946.9/37

In: 0.000+/-0.000 χ^2/NDF:4385788.1/39

Out: 0.000+/-0.000 χ^2/NDF:7725220.6/45

All: 0.000+/-0.000 χ^2/NDF: 12293932.0/85



Right In: 28.062+/-34.106 χ^2/NDF: 18.1/16

Left Out: -185.146+/-24.452 χ^2/NDF:33.1/24

Right Out: -6.638+/-31.258 χ^2/NDF: 17.8/20

Left In: -153.627+/-25.538 χ^2/NDF:23.5/22

Left: -170.071+/-17.662 χ^2/NDF: 57.4/47

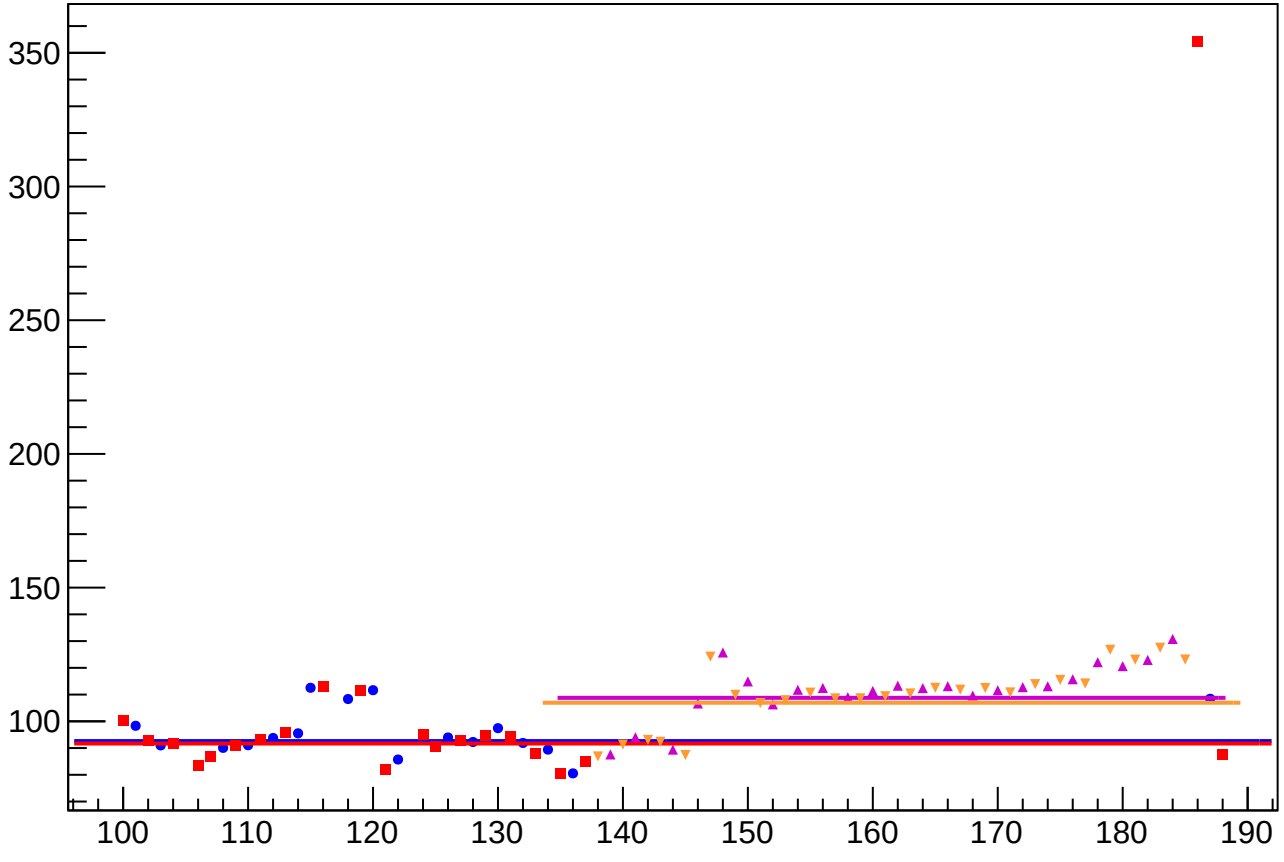
Right: 9.203+/-23.044 χ^2/NDF: 36.5/37

In: -88.354+/-20.442 χ^2/NDF:59.8/39

Out: -117.378+/-19.259 χ^2/NDF:71.1/45

All: -103.730+/-14.018 χ^2/NDF: 131.9/85

reg_asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 92.604+/-0.024 χ^2/NDF: 115260.4/16

Left Out: 106.954+/-0.017 χ^2/NDF:464271.3/24

Right Out: 91.694+/-0.022 χ^2/NDF: 555182.4/20

Left In: 108.781+/-0.018 χ^2/NDF:358436.3/22

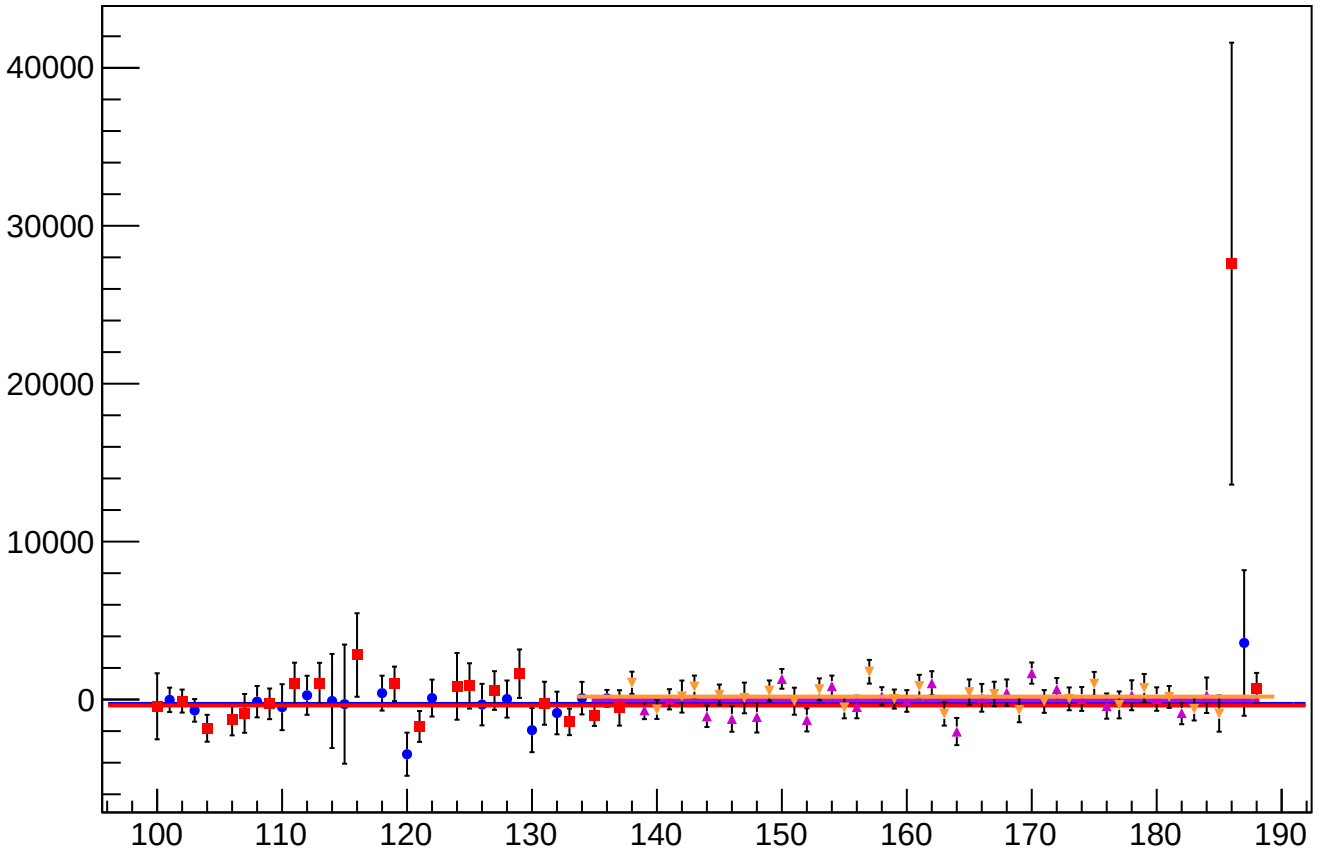
Left: 107.828+/-0.012 χ^2/NDF: 828045.2/47

Right: 92.109+/-0.016 χ^2/NDF: 671216.1/37

In: 102.969+/-0.014 χ^2/NDF:762004.0/39

Out: 101.161+/-0.014 χ^2/NDF:1315166.8/45

All: 102.011+/-0.010 χ^2/NDF: 2085460.3/85



Right In: -280.495+/-259.281 χ^2/NDF: 9.5/16

Left Out: 186.456+/-148.819 χ^2/NDF:19.1/24

Right Out: -374.715+/-240.845 χ^2/NDF: 22.2/20

Left In: -43.249+/-152.059 χ^2/NDF:33.7/22

Left: 74.077+/-106.358 χ^2/NDF: 53.9/47

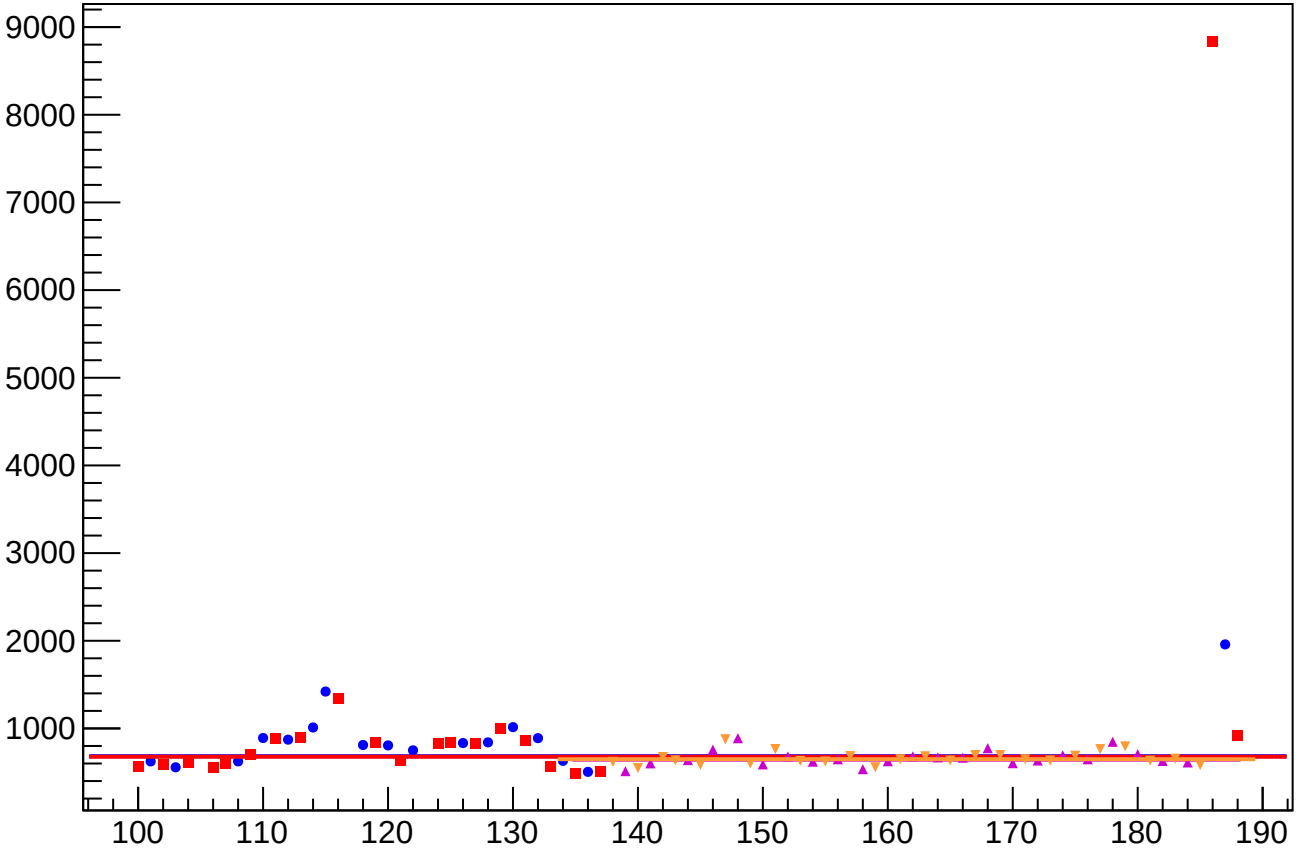
Right: -331.073+/-176.461 χ^2/NDF: 31.8/37

In: -103.965+/-131.166 χ^2/NDF:43.9/39

Out: 31.399+/-126.601 χ^2/NDF:45.2/45

All: -33.886+/-91.092 χ^2/NDF: 89.6/85

asym_sam_15_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 683.052+/-0.183 χ^2/NDF: 921613.3/16

Left Out: 649.189+/-0.105 χ^2/NDF:418364.7/24

Right Out: 677.461+/-0.170 χ^2/NDF: 1607752.8/20

Left In: 644.072+/-0.108 χ^2/NDF:559119.9/22

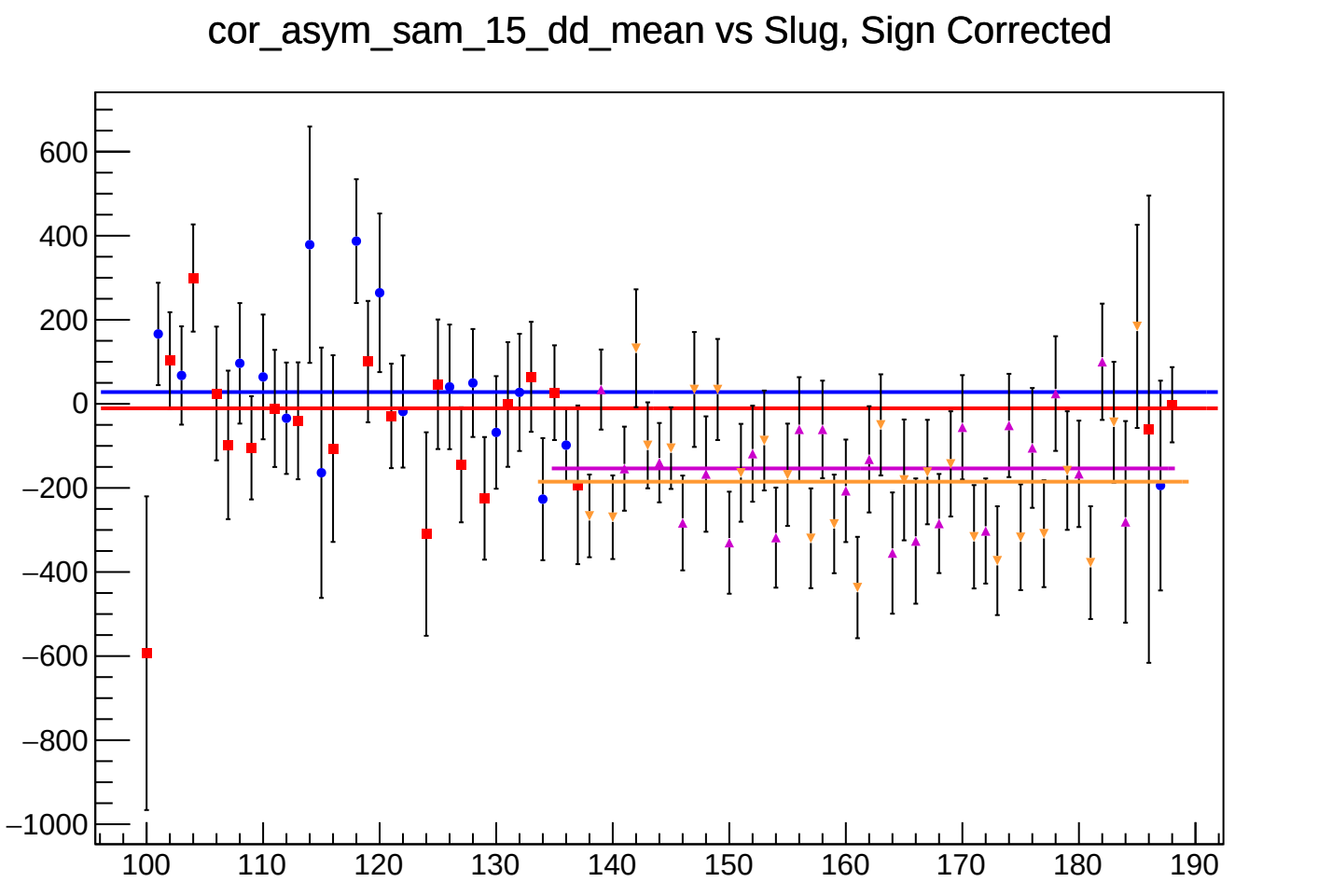
Left: 646.686+/-0.075 χ^2/NDF: 978641.3/47

Right: 680.051+/-0.125 χ^2/NDF: 2529865.2/37

In: 654.048+/-0.093 χ^2/NDF:1514367.1/39

Out: 657.001+/-0.090 χ^2/NDF:2046062.1/45

All: 655.577+/-0.064 χ^2/NDF: 3560954.0/85



Right In: 28.077+/-34.106 χ^2/NDF: 18.1/16

Left Out: -185.148+/-24.452 χ^2/NDF:33.0/24

Right Out: -10.572+/-31.363 χ^2/NDF: 17.2/20

Left In: -153.632+/-25.538 χ^2/NDF:23.5/22

Left: -170.074+/-17.662 χ^2/NDF: 57.4/47

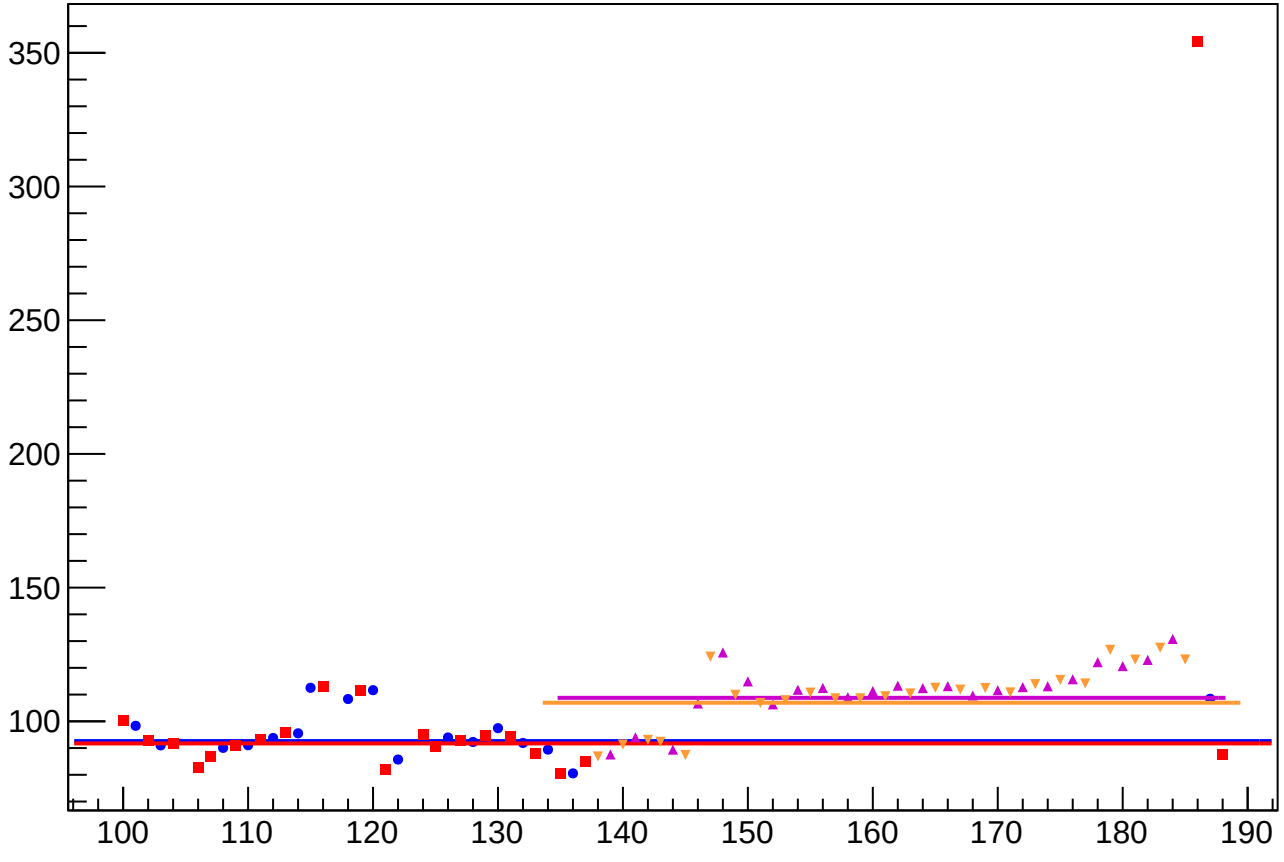
Right: 7.137+/-23.086 χ^2/NDF: 36.0/37

In: -88.352+/-20.442 χ^2/NDF:59.8/39

Out: -119.149+/-19.284 χ^2/NDF:69.5/45

All: -104.647+/-14.027 χ^2/NDF: 130.5/85

cor_asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 92.604+/-0.024 χ^2/NDF: 115260.4/16

Left Out: 106.954+/-0.017 χ^2/NDF:464271.4/24

Right Out: 91.730+/-0.022 χ^2/NDF: 554947.3/20

Left In: 108.781+/-0.018 χ^2/NDF:358436.4/22

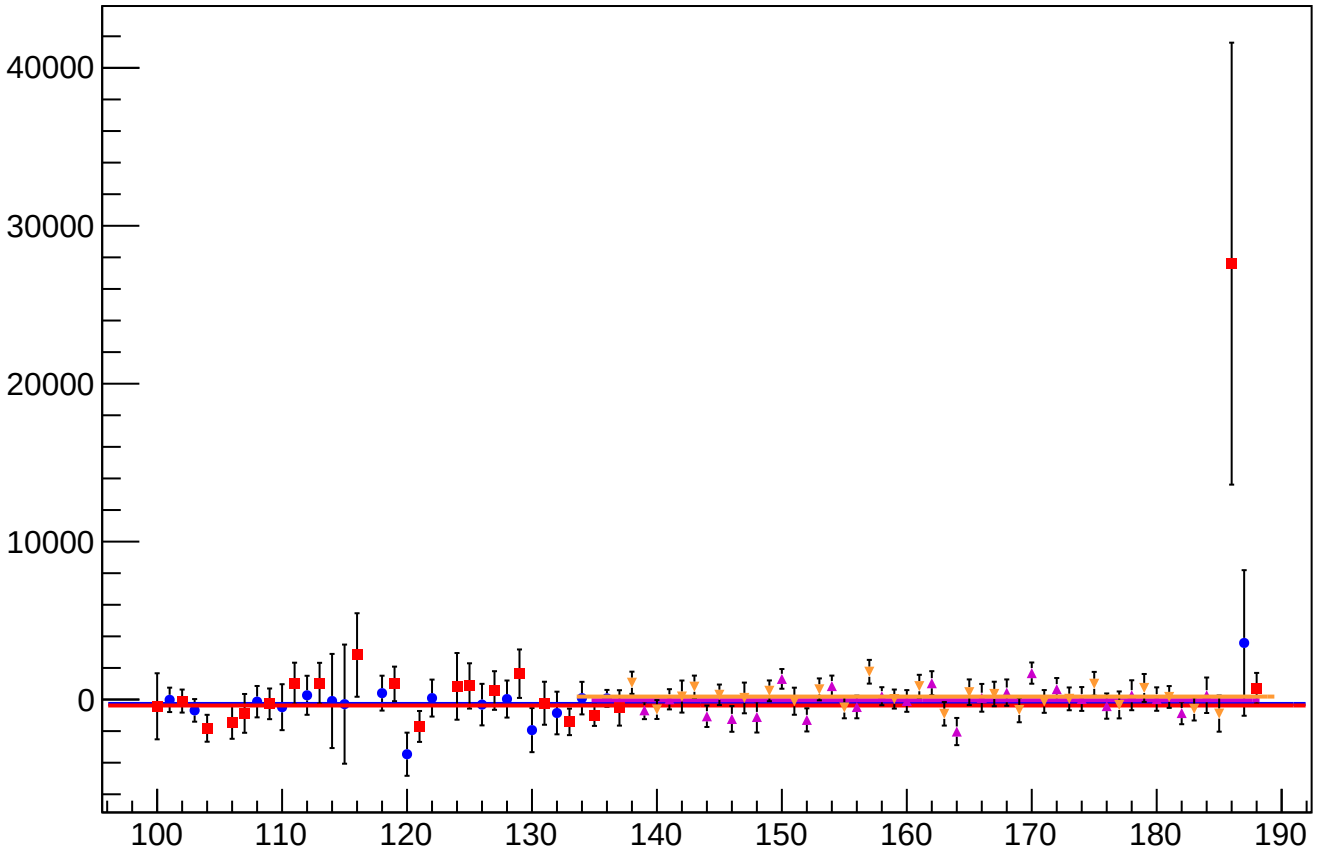
Left: 107.828+/-0.012 χ^2/NDF: 828045.3/47

Right: 92.130+/-0.016 χ^2/NDF: 670918.6/37

In: 102.969+/-0.014 χ^2/NDF:762003.9/39

Out: 101.199+/-0.014 χ^2/NDF:1312305.0/45

All: 102.032+/-0.010 χ^2/NDF: 2082245.8/85



Right In: -280.492+/-259.281 χ^2/NDF: 9.5/16

Left Out: 186.450+/-148.819 χ^2/NDF:19.1/24

Right Out: -377.738+/-241.595 χ^2/NDF: 22.4/20

Left In: -43.251+/-152.059 χ^2/NDF:33.7/22

Left: 74.072+/-106.358 χ^2/NDF: 53.9/47

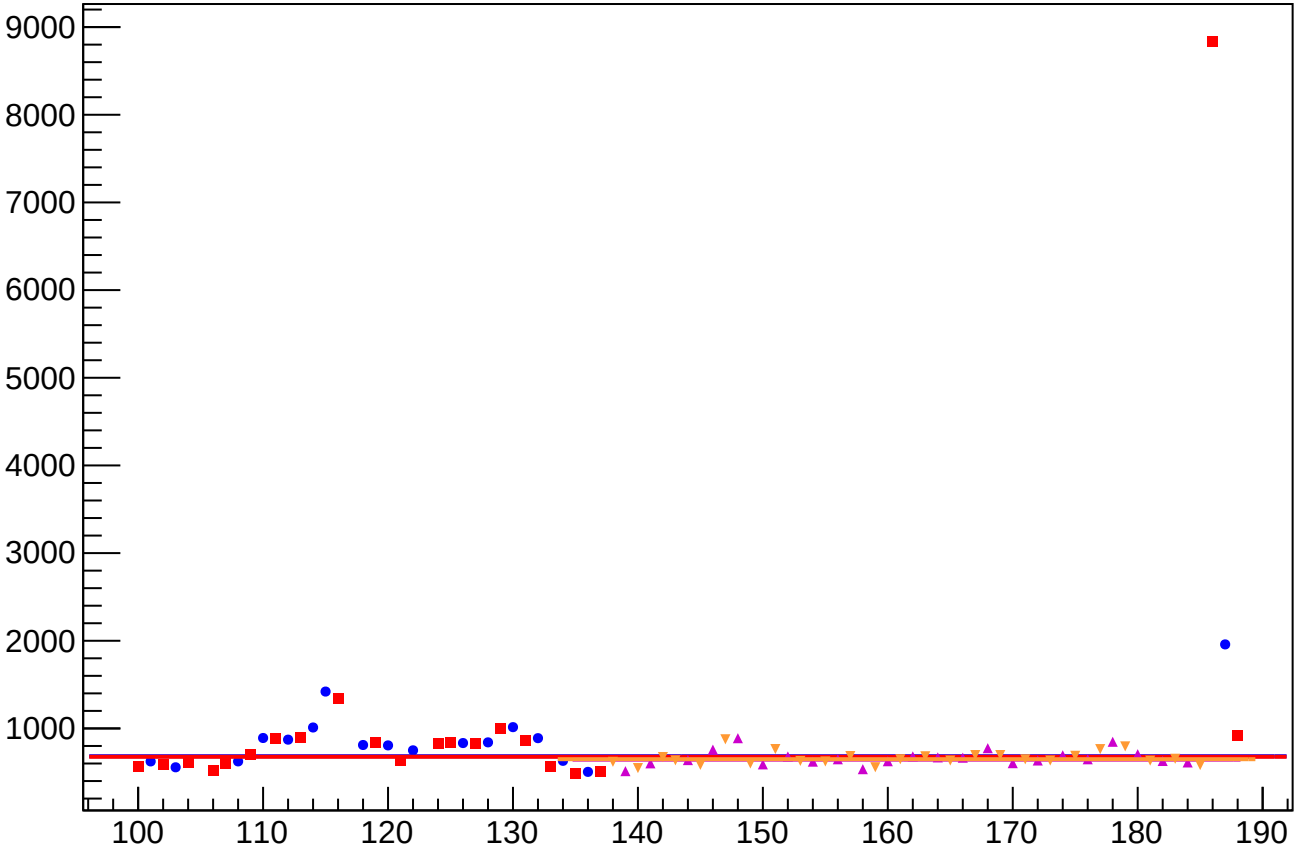
Right: -332.545+/-176.756 χ^2/NDF: 32.0/37

In: -103.966+/-131.166 χ^2/NDF:43.9/39

Out: 31.260+/-126.709 χ^2/NDF:45.4/45

All: -34.016+/-91.132 χ^2/NDF: 89.9/85

asym_sam_15_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 683.051+/-0.183 χ^2/NDF: 921615.7/16

Left Out: 649.189+/-0.105 χ^2/NDF:418365.4/24

Right Out: 676.759+/-0.171 χ^2/NDF: 1618734.2/20

Left In: 644.072+/-0.108 χ^2/NDF:559121.0/22

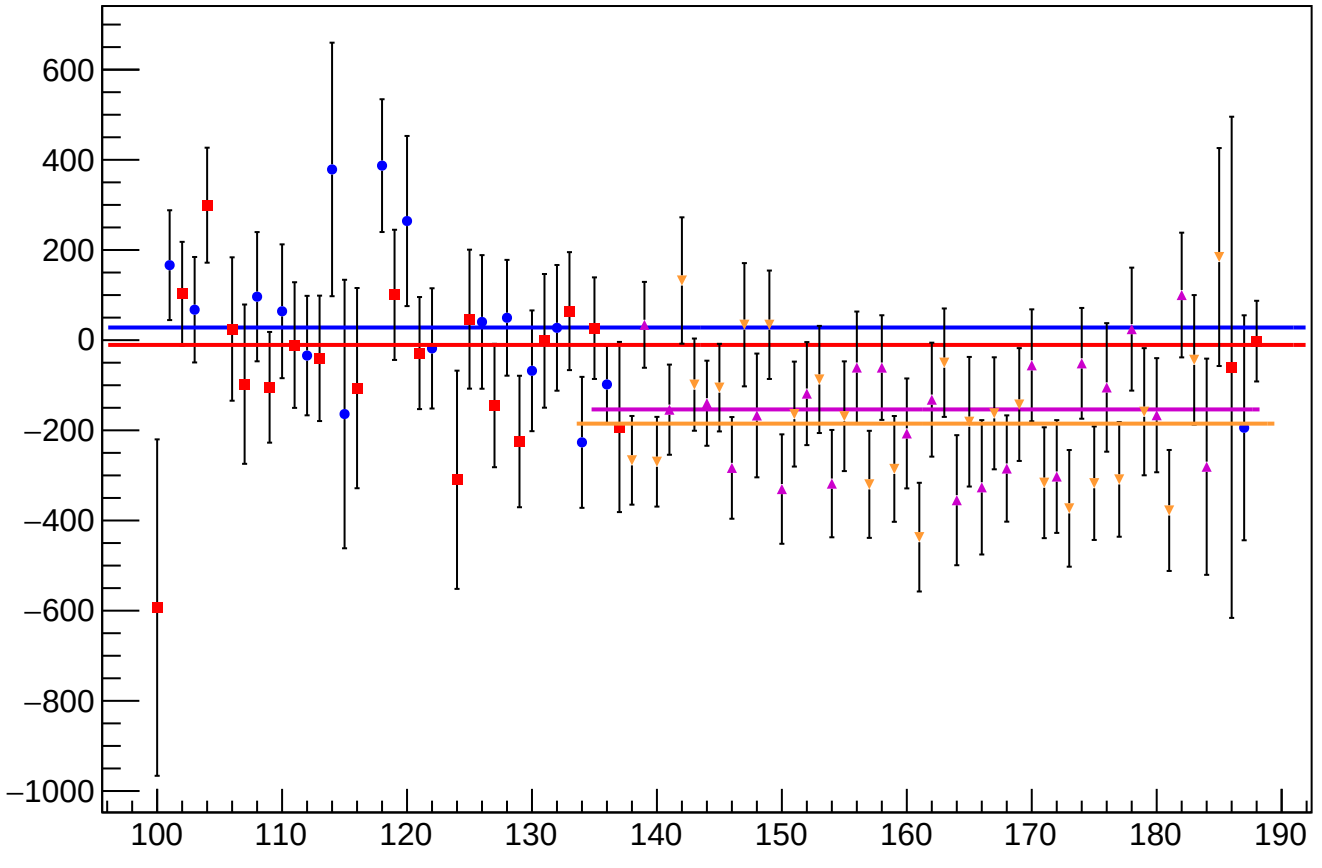
Left: 646.686+/-0.075 χ^2/NDF: 978643.1/47

Right: 679.683+/-0.125 χ^2/NDF: 2540980.4/37

In: 654.048+/-0.093 χ^2/NDF:1514369.7/39

Out: 656.773+/-0.090 χ^2/NDF:2055979.8/45

All: 655.457+/-0.064 χ^2/NDF: 3570796.0/85



Right In: 28.077+/-34.106 χ^2/NDF: 18.1/16

Left Out: -185.148+/-24.452 χ^2/NDF:33.0/24

Right Out: -10.572+/-31.363 χ^2/NDF: 17.2/20

Left In: -153.632+/-25.538 χ^2/NDF:23.5/22

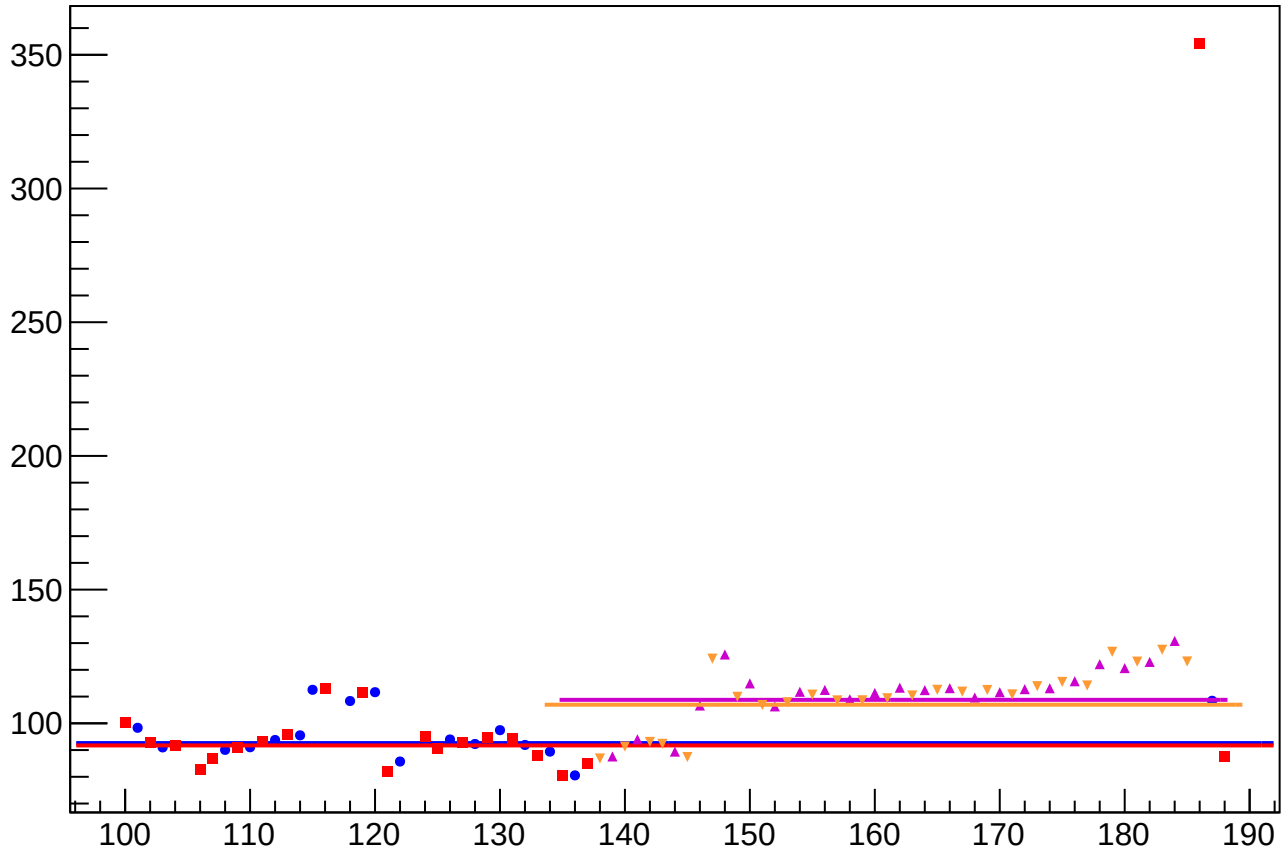
Left: -170.074+/-17.662 χ^2/NDF: 57.4/47

Right: 7.137+/-23.086 χ^2/NDF: 36.0/37

In: -88.352+/-20.442 χ^2/NDF:59.8/39

Out: -119.149+/-19.284 χ^2/NDF:69.5/45

All: -104.647+/-14.027 χ^2/NDF: 130.5/85



Right In: 92.604+/-0.024 χ^2/NDF: 115260.4/16

Left Out: 106.954+/-0.017 χ^2/NDF:464271.4/24

Right Out: 91.730+/-0.022 χ^2/NDF: 554947.3/20

Left In: 108.781+/-0.018 χ^2/NDF:358436.4/22

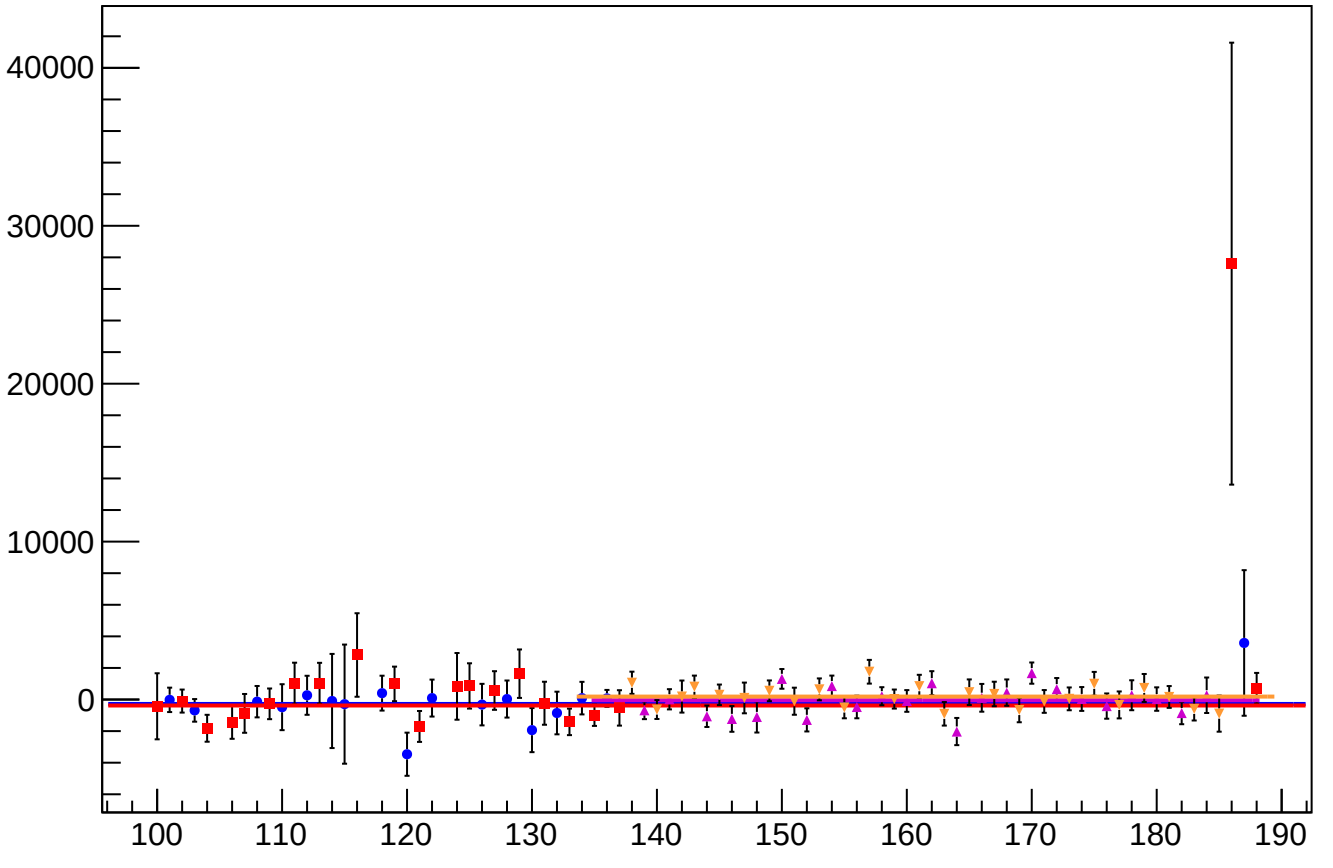
Left: 107.828+/-0.012 χ^2/NDF: 828045.3/47

Right: 92.130+/-0.016 χ^2/NDF: 670918.6/37

In: 102.969+/-0.014 χ^2/NDF:762003.9/39

Out: 101.199+/-0.014 χ^2/NDF:1312305.0/45

All: 102.032+/-0.010 χ^2/NDF: 2082245.8/85



Right In: -280.492+/-259.281 χ^2/NDF: 9.5/16

Left Out: 186.450+/-148.819 χ^2/NDF:19.1/24

Right Out: -377.738+/-241.595 χ^2/NDF: 22.4/20

Left In: -43.251+/-152.059 χ^2/NDF:33.7/22

Left: 74.072+/-106.358 χ^2/NDF: 53.9/47

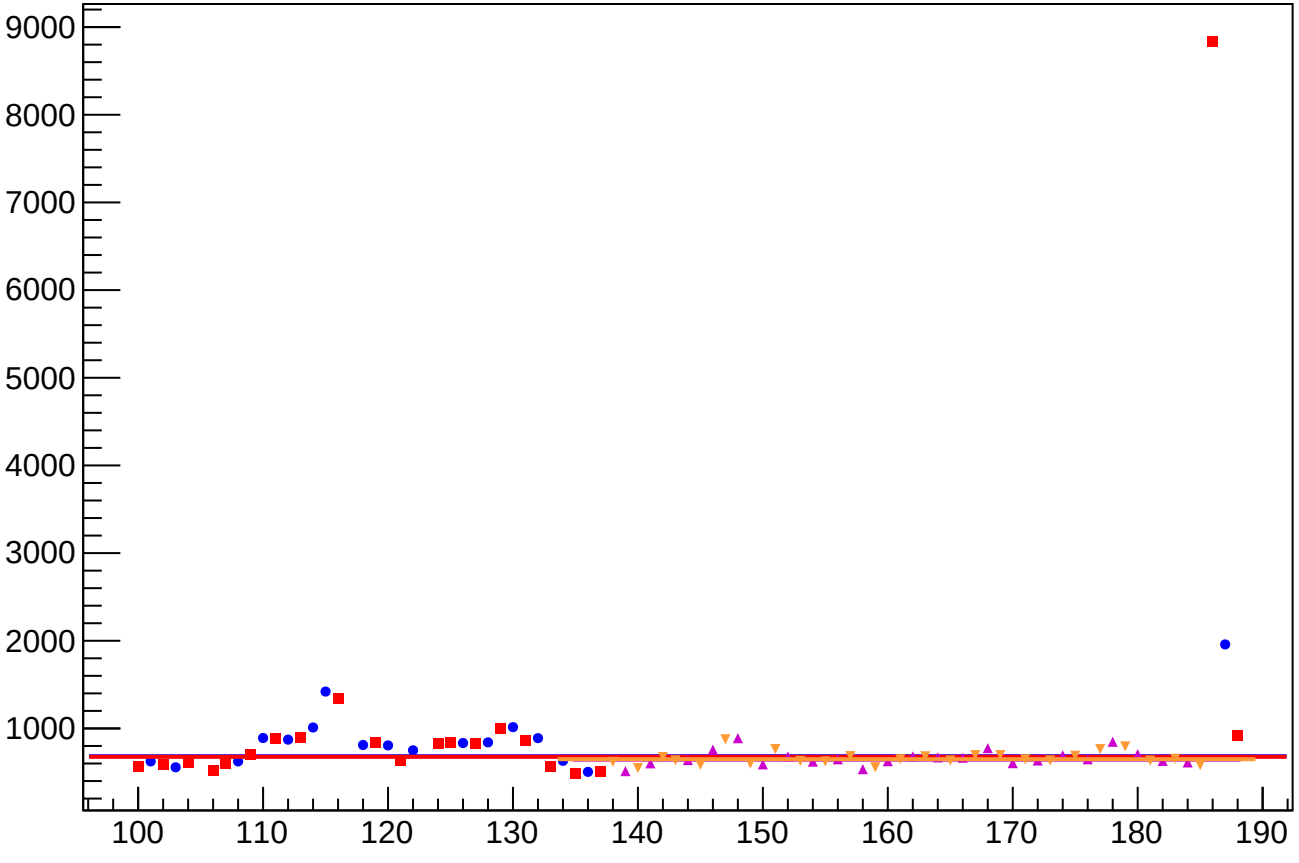
Right: -332.545+/-176.756 χ^2/NDF: 32.0/37

In: -103.966+/-131.166 χ^2/NDF:43.9/39

Out: 31.260+/-126.709 χ^2/NDF:45.4/45

All: -34.016+/-91.132 χ^2/NDF: 89.9/85

asym_sam_15_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 683.051+/-0.183 χ^2/NDF: 921615.7/16

Left Out: 649.189+/-0.105 χ^2/NDF:418365.4/24

Right Out: 676.759+/-0.171 χ^2/NDF: 1618734.2/20

Left In: 644.072+/-0.108 χ^2/NDF:559121.0/22

Left: 646.686+/-0.075 χ^2/NDF: 978643.1/47

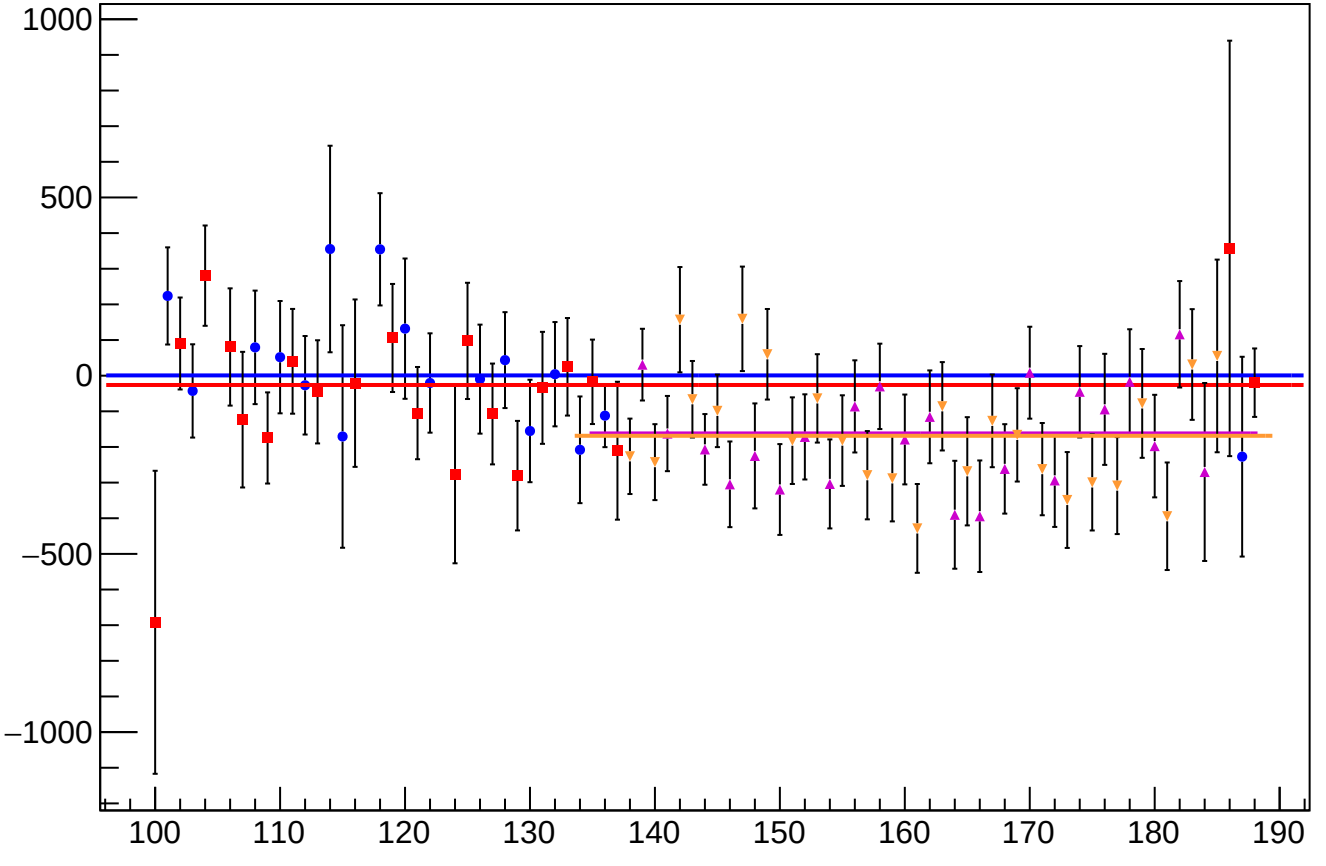
Right: 679.683+/-0.125 χ^2/NDF: 2540980.4/37

In: 654.048+/-0.093 χ^2/NDF:1514369.7/39

Out: 656.773+/-0.090 χ^2/NDF:2055979.8/45

All: 655.457+/-0.064 χ^2/NDF: 3570796.0/85

dit_asym_sam_15_dd_mean vs Slug, Sign Corrected



Right In: 0.750+/-36.203 χ^2/NDF: 16.0/16

Left Out: -168.634+/-25.819 χ^2/NDF:32.4/24

Right Out: -26.108+/-33.214 χ^2/NDF: 17.5/20

Left In: -162.028+/-26.948 χ^2/NDF:23.6/22

Left: -165.472+/-18.643 χ^2/NDF: 56.0/47

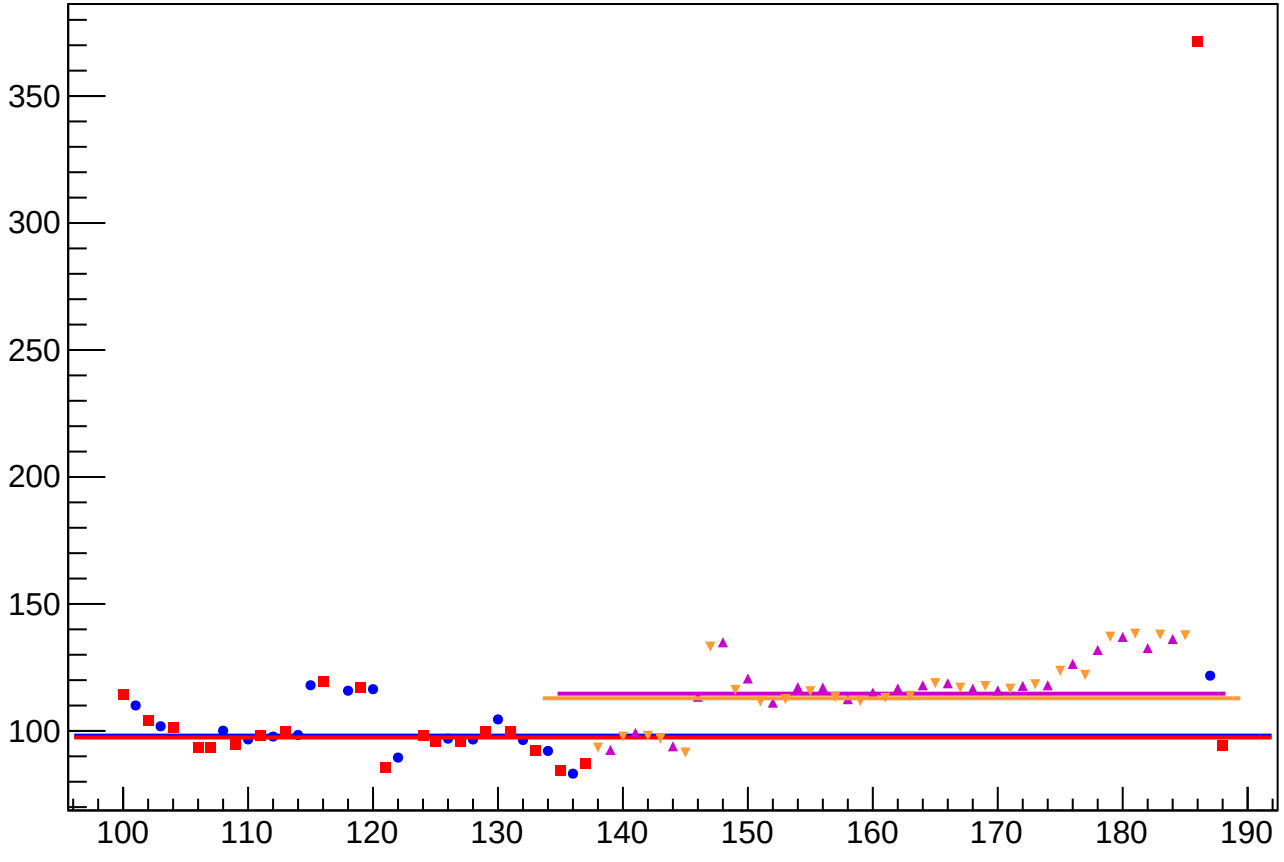
Right: -13.833+/-24.475 χ^2/NDF: 33.9/37

In: -103.995+/-21.617 χ^2/NDF:52.6/39

Out: -114.949+/-20.385 χ^2/NDF:61.4/45

All: -109.793+/-14.831 χ^2/NDF: 114.1/85

dit_asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 98.157+/-0.026 χ^2/NDF: 155080.8/16

Left Out: 112.850+/-0.018 χ^2/NDF:512260.6/24

Right Out: 97.413+/-0.023 χ^2/NDF: 559955.1/20

Left In: 114.677+/-0.019 χ^2/NDF:409932.2/22

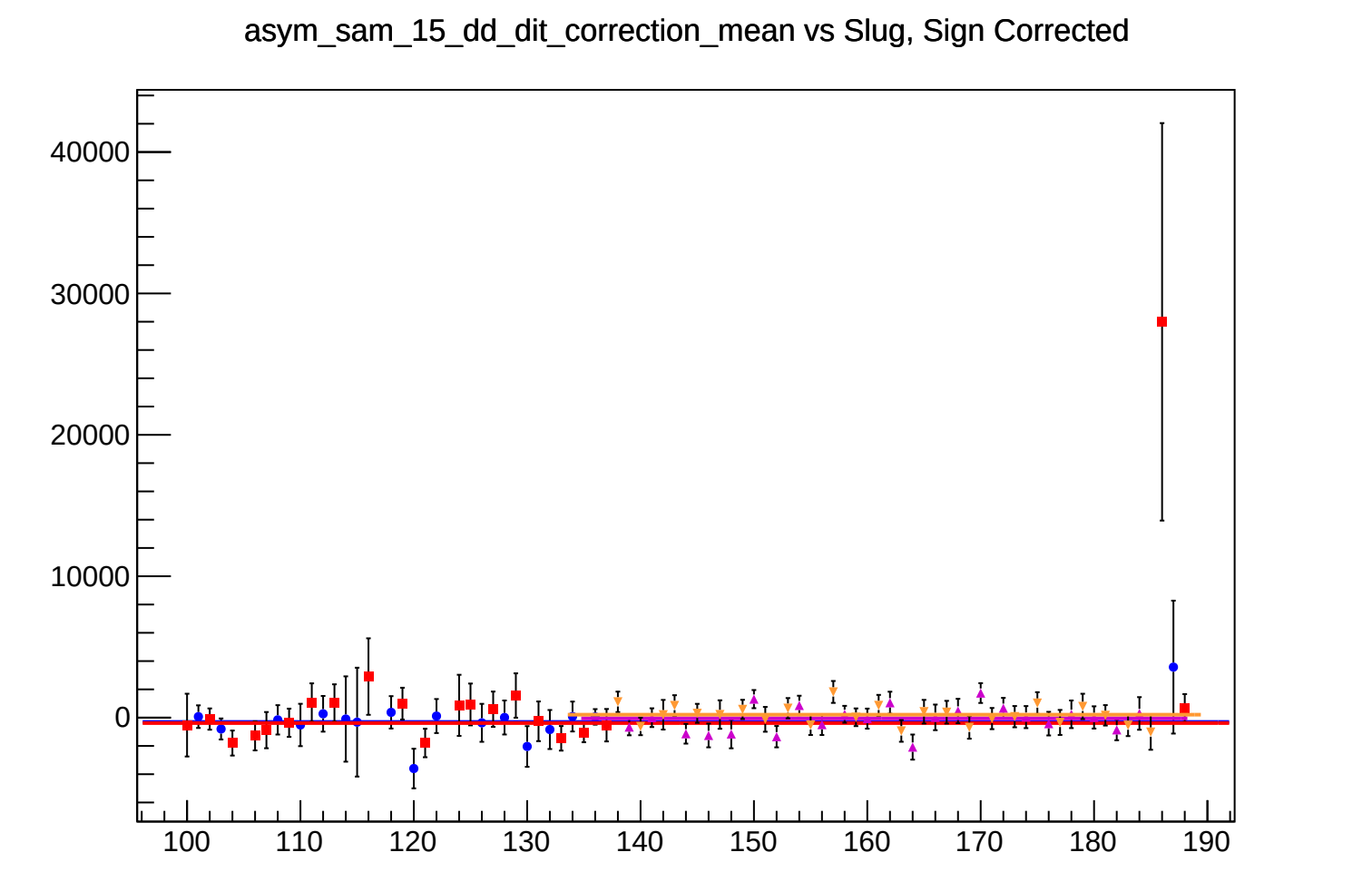
Left: 113.724+/-0.013 χ^2/NDF: 926988.8/47

Right: 97.753+/-0.017 χ^2/NDF: 715493.7/37

In: 108.787+/-0.015 χ^2/NDF:833006.9/39

Out: 107.035+/-0.014 χ^2/NDF:1341481.9/45

All: 107.860+/-0.010 χ^2/NDF: 2181442.6/85



Right In: -304.008+/-267.083 χ^2/NDF: 9.8/16

Left Out: 209.377+/-153.925 χ^2/NDF:18.9/24

Right Out: -384.137+/-248.333 χ^2/NDF: 21.8/20

Left In: -50.266+/-157.485 χ^2/NDF:33.3/22

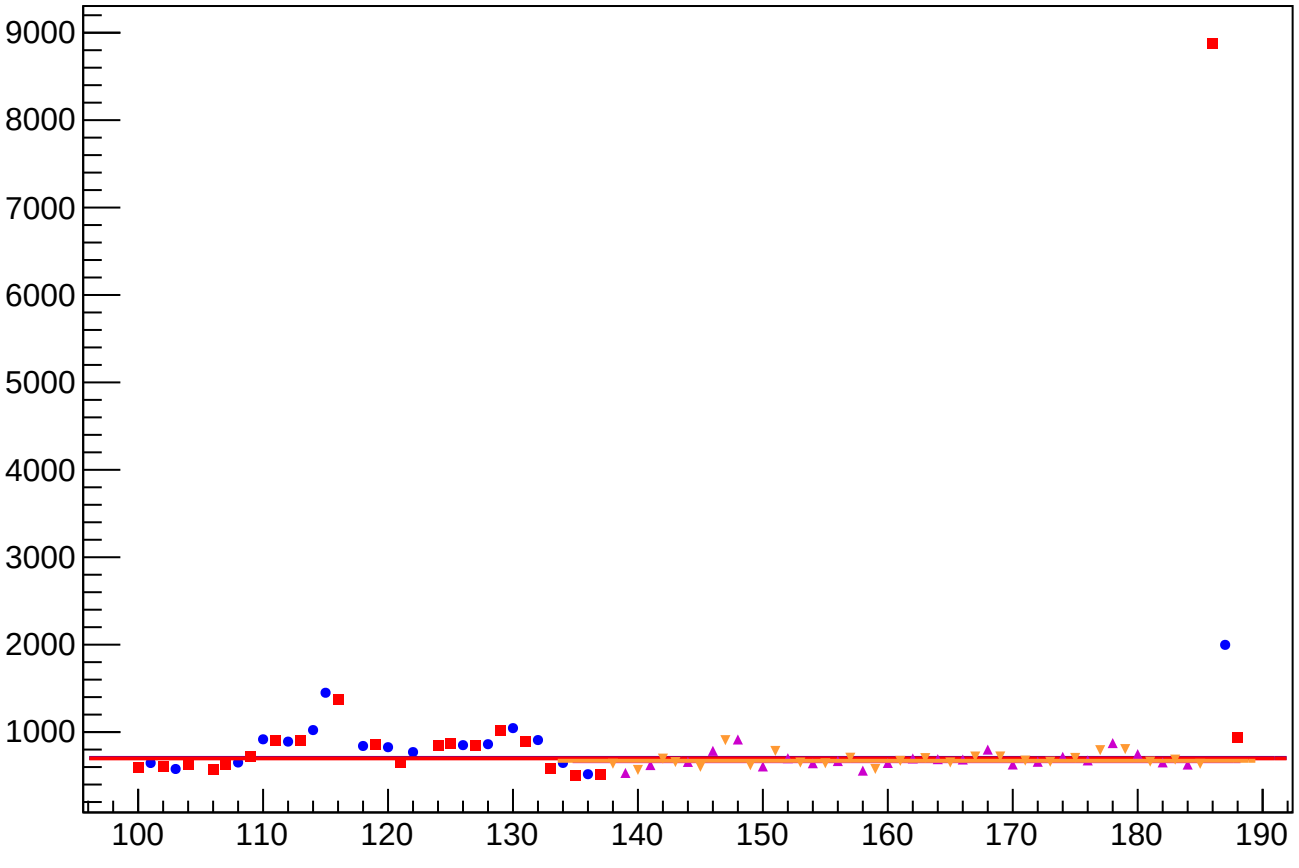
Left: 82.523+/-110.079 χ^2/NDF: 53.6/47

Right: -346.983+/-181.866 χ^2/NDF: 31.7/37

In: -115.728+/-135.658 χ^2/NDF:43.8/39

Out: 44.642+/-130.831 χ^2/NDF:44.8/45

All: -32.640+/-94.172 χ^2/NDF: 89.4/85



Right In: 704.164+/-0.189 χ^2/NDF: 905696.8/16

Left Out: 671.849+/-0.109 χ^2/NDF:399159.9/24

Right Out: 699.644+/-0.176 χ^2/NDF: 1570171.8/20

Left In: 667.341+/-0.111 χ^2/NDF:546903.6/22

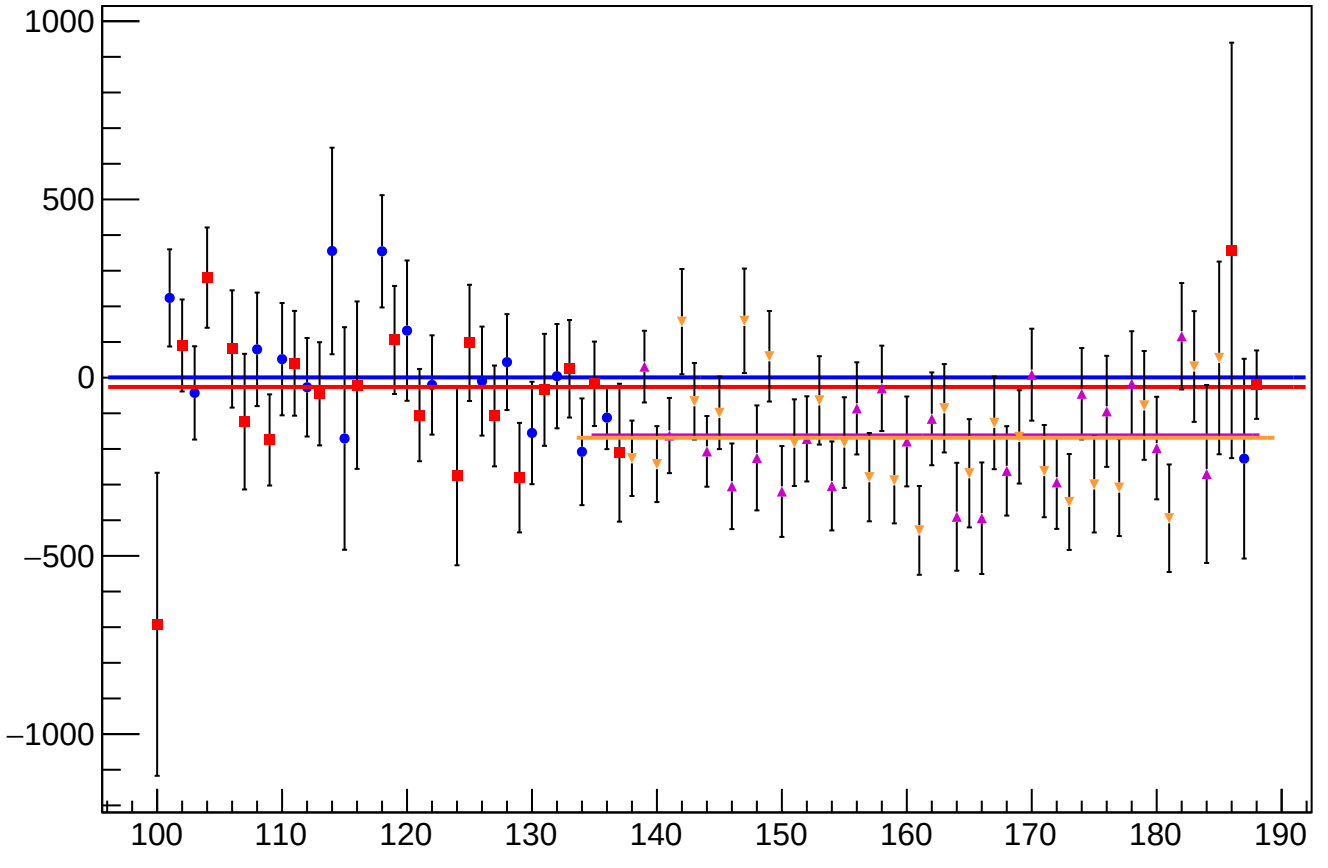
Left: 669.646+/-0.078 χ^2/NDF: 946901.4/47

Right: 701.740+/-0.129 χ^2/NDF: 2476175.8/37

In: 676.841+/-0.096 χ^2/NDF:1480809.5/39

Out: 679.563+/-0.093 χ^2/NDF:1987433.4/45

All: 678.252+/-0.067 χ^2/NDF: 3468660.3/85



Right In: 0.751+/-36.203 χ^2/NDF: 16.0/16

Left Out: -168.635+/-25.819 χ^2/NDF:32.4/24

Right Out: -26.108+/-33.214 χ^2/NDF: 17.5/20

Left In: -162.028+/-26.948 χ^2/NDF:23.6/22

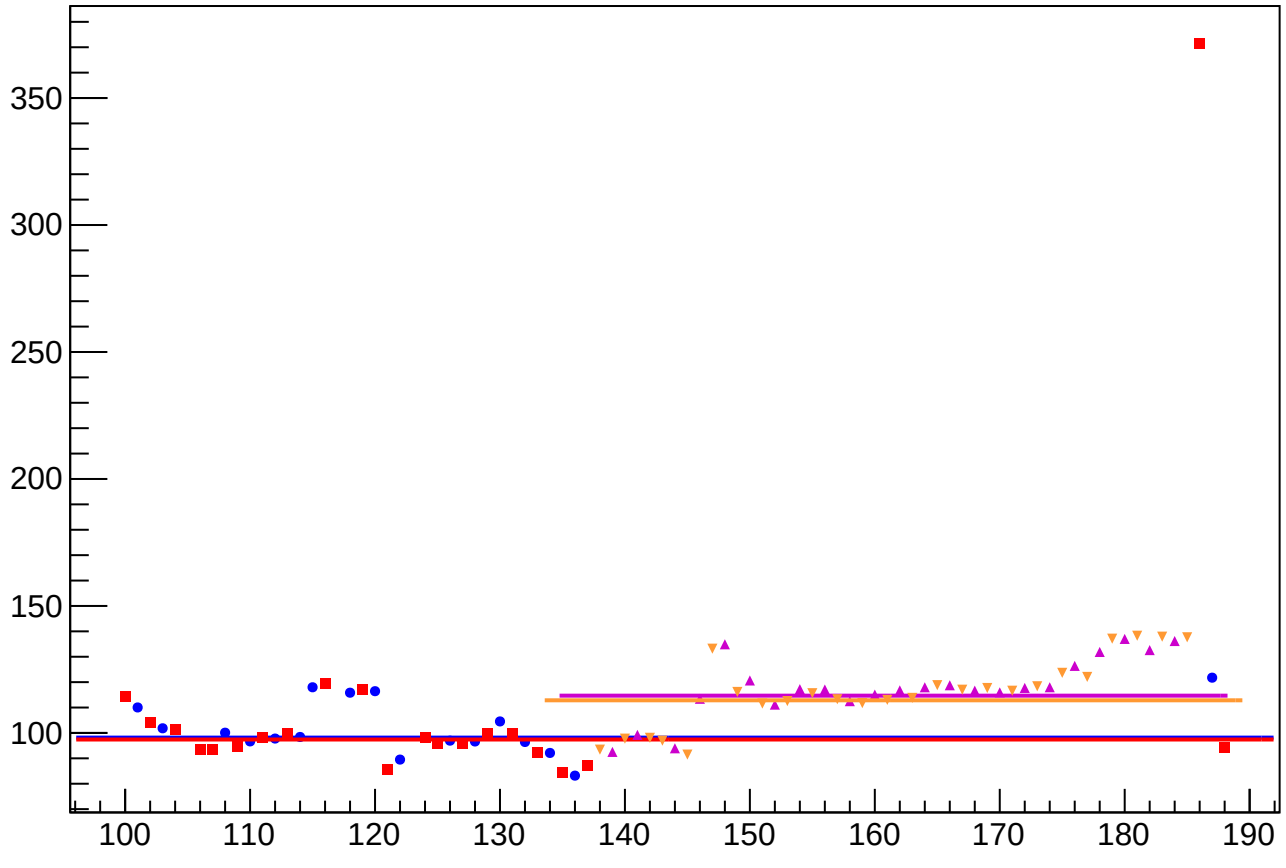
Left: -165.473+/-18.643 χ^2/NDF: 56.0/47

Right: -13.833+/-24.475 χ^2/NDF: 33.9/37

In: -103.994+/-21.617 χ^2/NDF:52.6/39

Out: -114.949+/-20.385 χ^2/NDF:61.4/45

All: -109.793+/-14.831 χ^2/NDF: 114.1/85



Right In: 98.156+/-0.026 χ^2/NDF: 155082.6/16

Left Out: 112.850+/-0.018 χ^2/NDF:512254.2/24

Right Out: 97.413+/-0.023 χ^2/NDF: 559953.1/20

Left In: 114.677+/-0.019 χ^2/NDF:409929.2/22

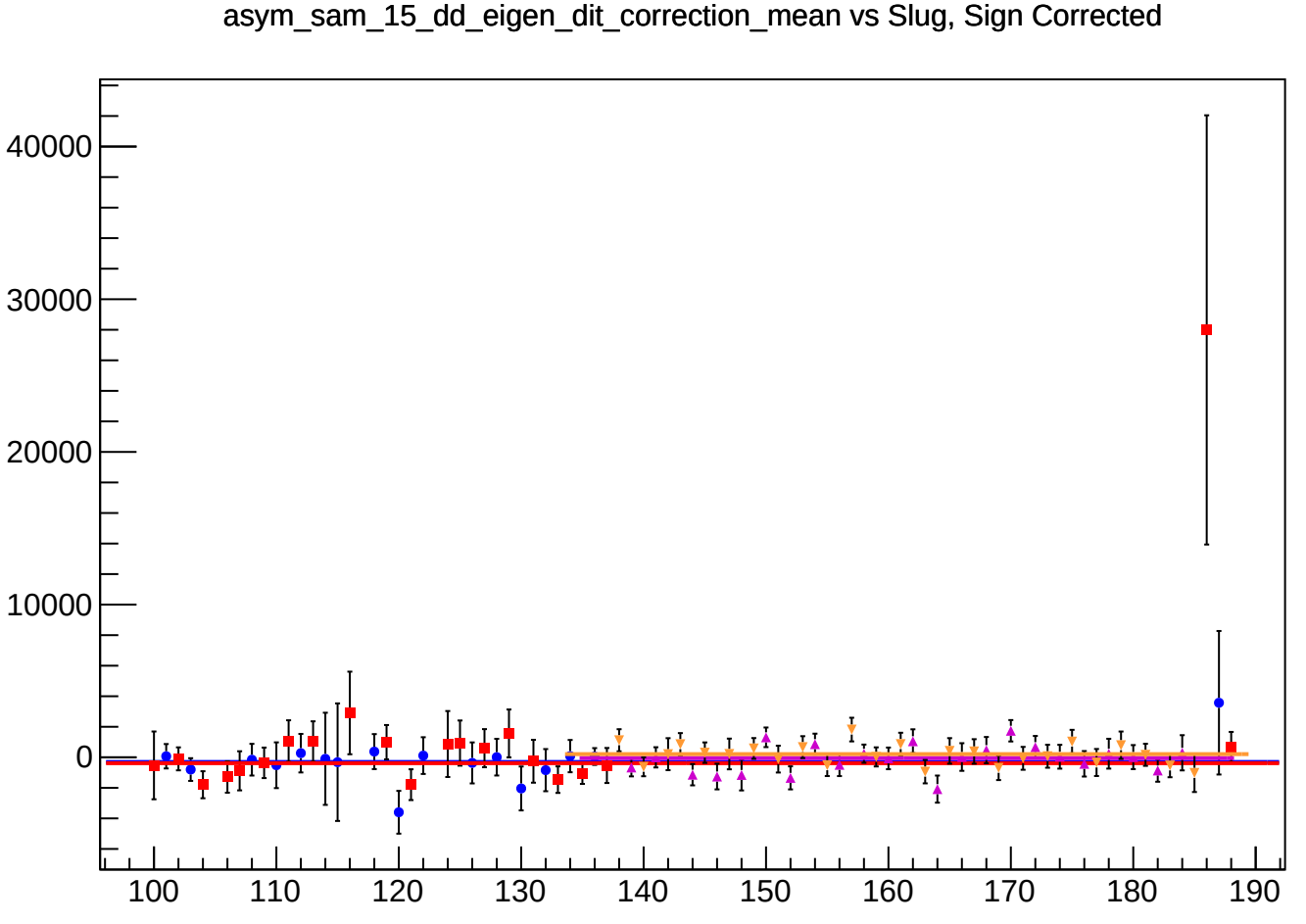
Left: 113.724+/-0.013 χ^2/NDF: 926979.7/47

Right: 97.753+/-0.017 χ^2/NDF: 715493.4/37

In: 108.787+/-0.015 χ^2/NDF:833018.2/39

Out: 107.035+/-0.014 χ^2/NDF:1341483.1/45

All: 107.860+/-0.010 χ^2/NDF: 2181455.4/85



Right In: -304.006+/-267.082 χ^2/NDF: 9.8/16

Left Out: 209.377+/-153.926 χ^2/NDF:18.9/24

Right Out: -384.137+/-248.332 χ^2/NDF: 21.8/20

Left In: -50.267+/-157.485 χ^2/NDF:33.3/22

Left: 82.523+/-110.079 χ^2/NDF: 53.6/47

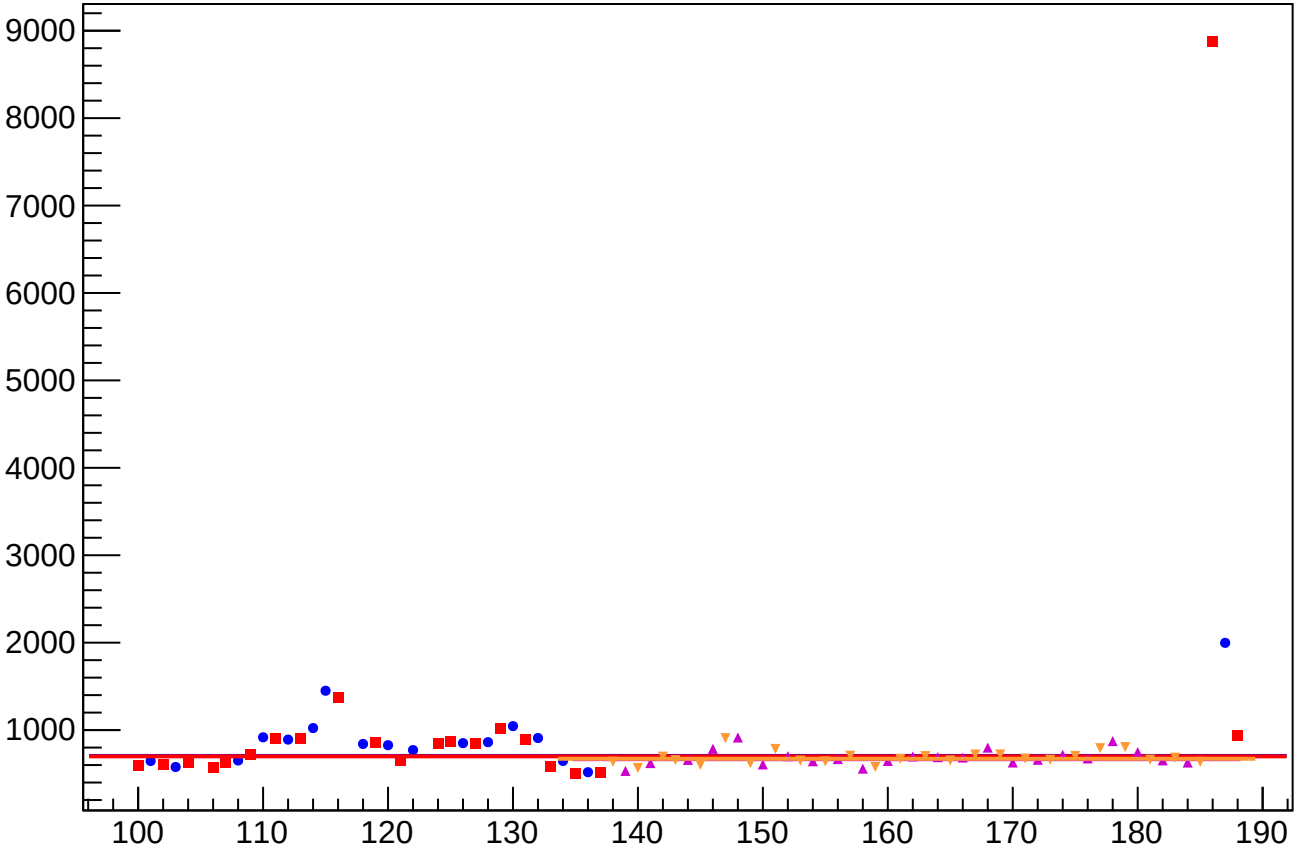
Right: -346.983+/-181.865 χ^2/NDF: 31.7/37

In: -115.729+/-135.658 χ^2/NDF:43.8/39

Out: 44.641+/-130.831 χ^2/NDF:44.8/45

All: -32.640+/-94.172 χ^2/NDF: 89.4/85

asym_sam_15_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 704.163+/-0.189 χ^2/NDF: 905700.1/16

Left Out: 671.849+/-0.109 χ^2/NDF:399160.3/24

Right Out: 699.643+/-0.176 χ^2/NDF: 1570177.9/20

Left In: 667.342+/-0.111 χ^2/NDF:546905.8/22

Left: 669.647+/-0.078 χ^2/NDF: 946903.9/47

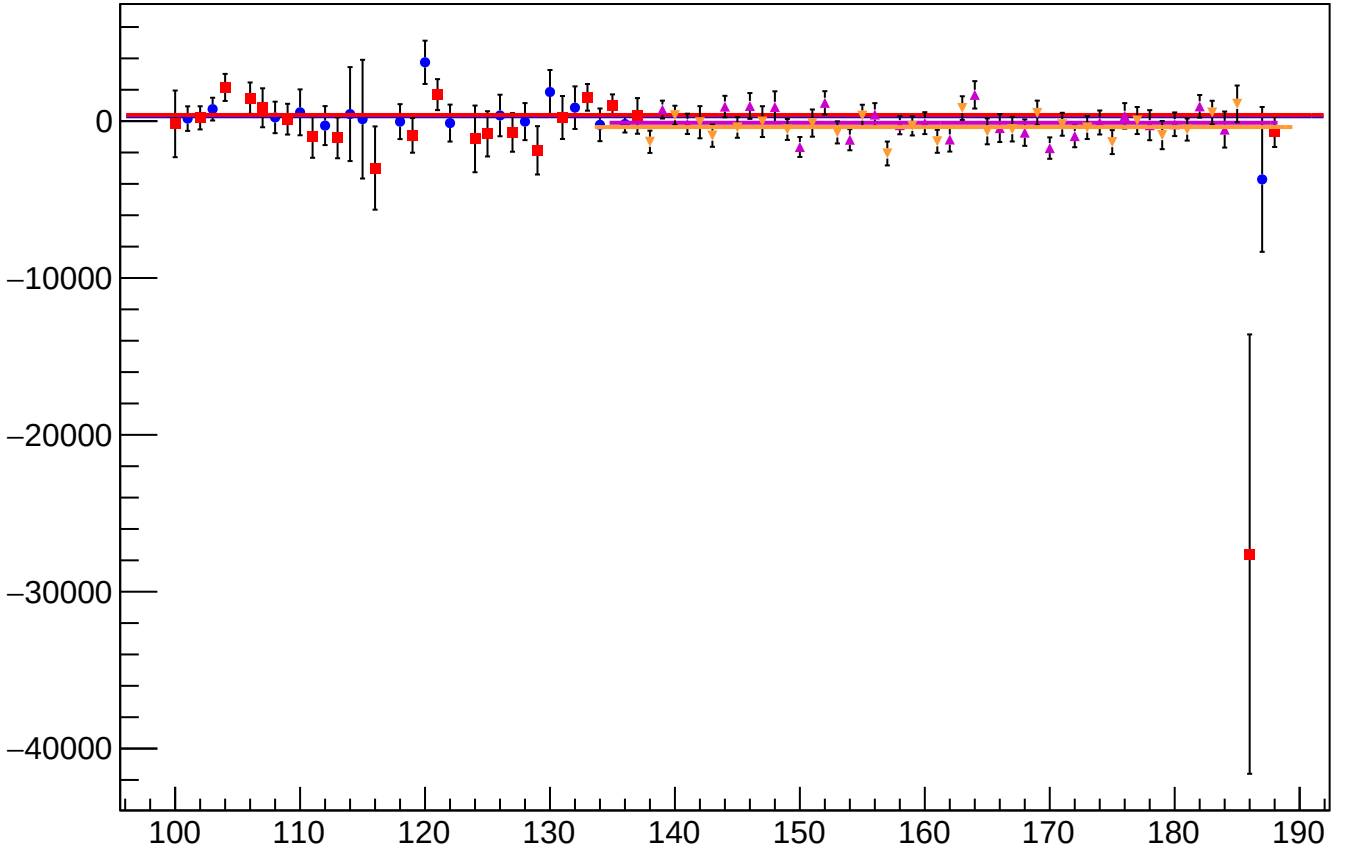
Right: 701.739+/-0.129 χ^2/NDF: 2476185.2/37

In: 676.841+/-0.096 χ^2/NDF:1480811.9/39

Out: 679.564+/-0.093 χ^2/NDF:1987437.3/45

All: 678.252+/-0.067 χ^2/NDF: 3468666.4/85

asym_sam_15_dd_mean vs Slug, Sign Corrected



Right In: 310.206+/-261.910 χ^2/NDF: 10.5/16

Left Out: -377.221+/-150.952 χ^2/NDF:21.4/24

Right Out: 392.715+/-243.297 χ^2/NDF: 24.7/20

Left In: -103.321+/-154.335 χ^2/NDF:35.5/22

Left: -243.306+/-107.915 χ^2/NDF: 58.5/47

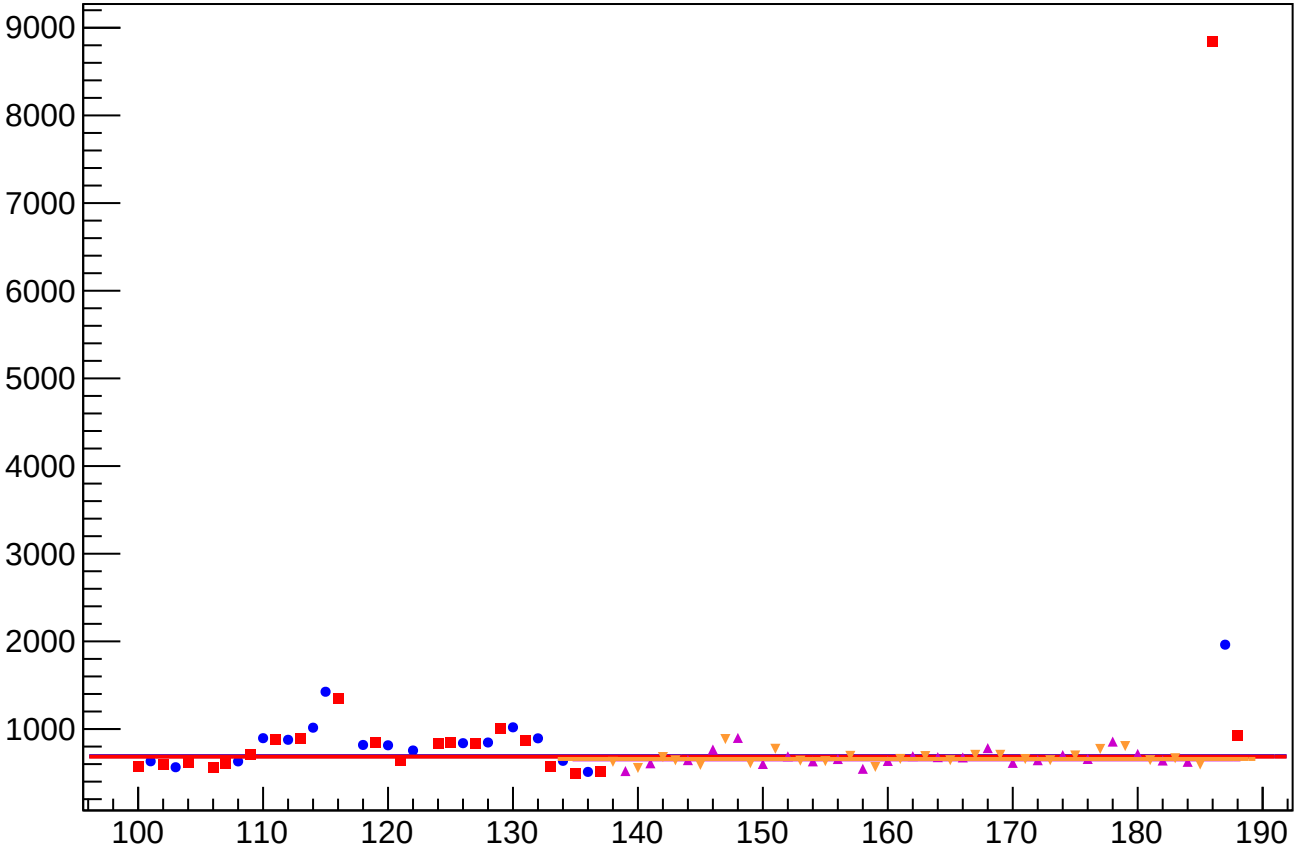
Right: 354.496+/-178.254 χ^2/NDF: 35.2/37

In: 3.261+/-132.967 χ^2/NDF:47.9/39

Out: -163.217+/-128.269 χ^2/NDF:53.3/45

All: -82.971+/-92.316 χ^2/NDF: 102.0/85

asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 690.499+/-0.185 χ^2/NDF: 901675.6/16

Left Out: 658.672+/-0.107 χ^2/NDF:409684.4/24

Right Out: 685.027+/-0.172 χ^2/NDF: 1584120.9/20

Left In: 653.950+/-0.109 χ^2/NDF:542078.1/22

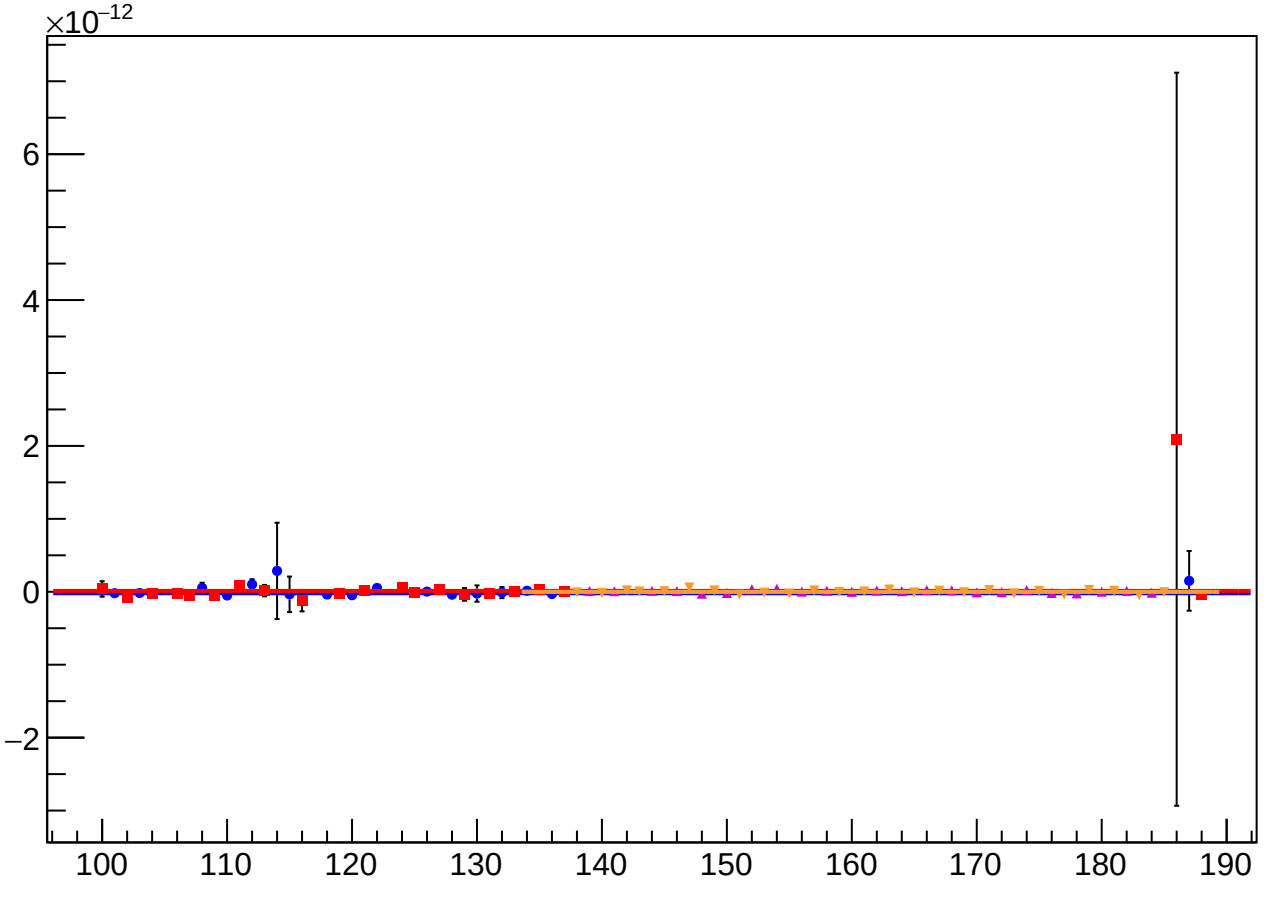
Left: 656.363+/-0.076 χ^2/NDF: 952719.4/47

Right: 687.561+/-0.126 χ^2/NDF: 2486265.2/37

In: 663.370+/-0.094 χ^2/NDF:1472662.8/39

Out: 665.997+/-0.091 χ^2/NDF:2010749.7/45

All: 664.731+/-0.065 χ^2/NDF: 3483817.0/85



Right In: -0.000+/-0.000 χ^2/NDF: 10.2/16

Left Out: -0.000+/-0.000 χ^2/NDF:31.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 17.8/20

Left In: 0.000+/-0.000 χ^2/NDF:15.6/22

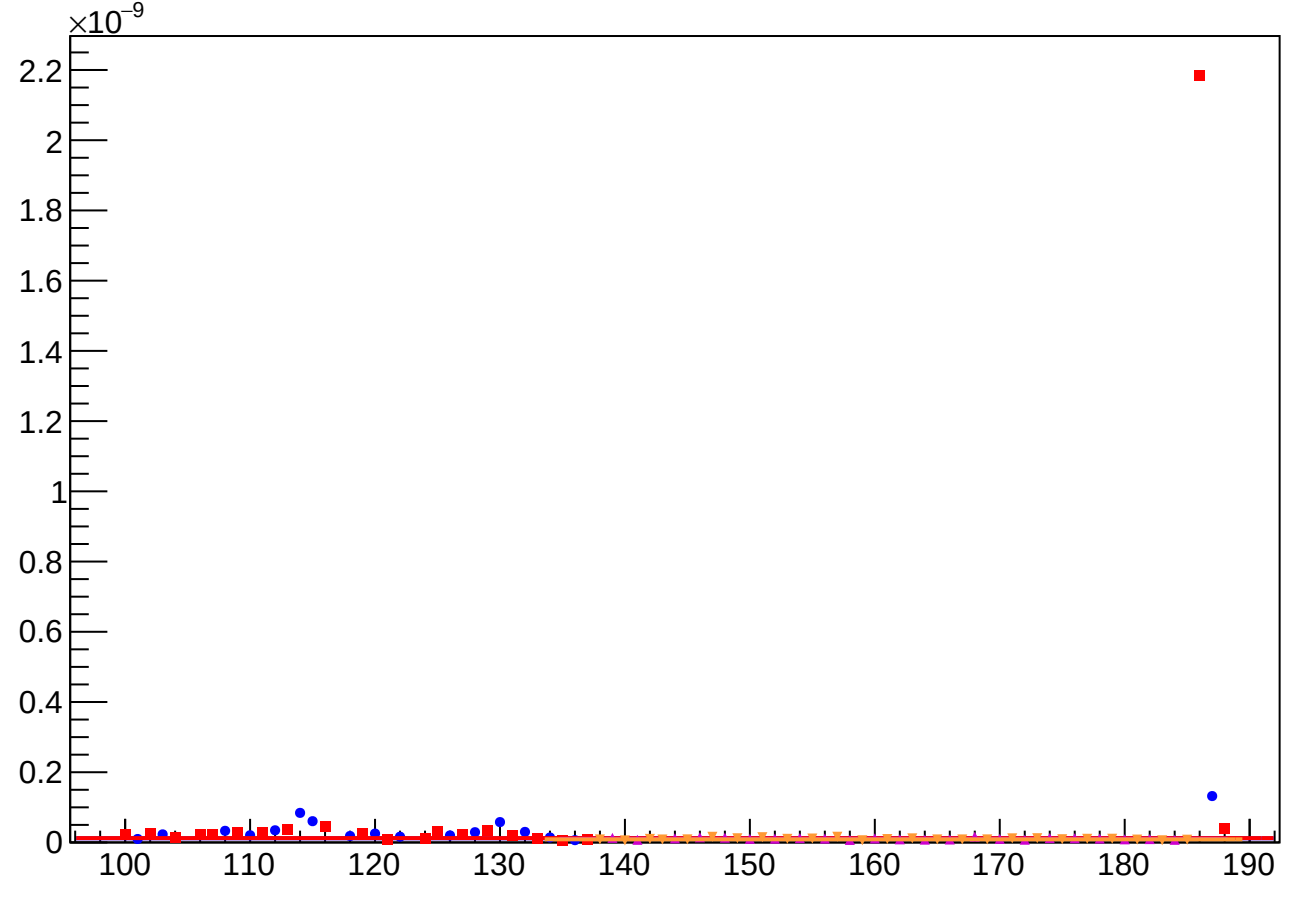
Left: 0.000+/-0.000 χ^2/NDF: 51.0/47

Right: -0.000+/-0.000 χ^2/NDF: 36.6/37

In: 0.000+/-0.000 χ^2/NDF:36.4/39

Out: 0.000+/-0.000 χ^2/NDF:52.2/45

All: 0.000+/-0.000 χ^2/NDF: 88.8/85



Right In: 0.000+/-0.000 χ^2/NDF: 2333861.1/16

Left Out: 0.000+/-0.000 χ^2/NDF:1037287.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2967699.5/20

Left In: 0.000+/-0.000 χ^2/NDF:659247.6/22

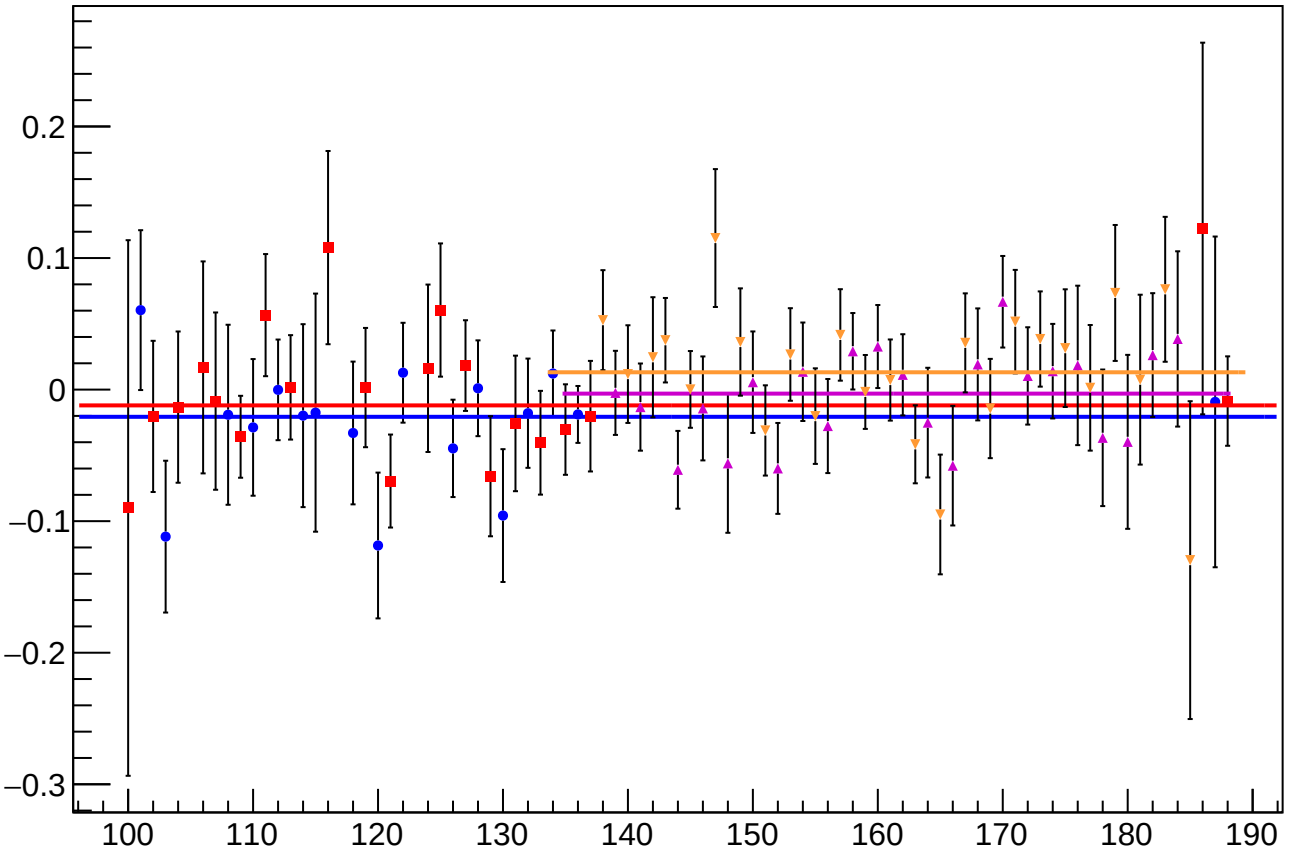
Left: 0.000+/-0.000 χ^2/NDF: 1807691.0/47

Right: 0.000+/-0.000 χ^2/NDF: 5306797.0/37

In: 0.000+/-0.000 χ^2/NDF:3061173.5/39

Out: 0.000+/-0.000 χ^2/NDF:4326058.0/45

All: 0.000+/-0.000 χ^2/NDF: 7477038.3/85



Right In: -0.021+/-0.010 χ^2/NDF: 12.5/16

Left Out: 0.013+/-0.008 χ^2/NDF:25.4/24

Right Out: -0.012+/-0.010 χ^2/NDF: 14.8/20

Left In: -0.003+/-0.008 χ^2/NDF:19.2/22

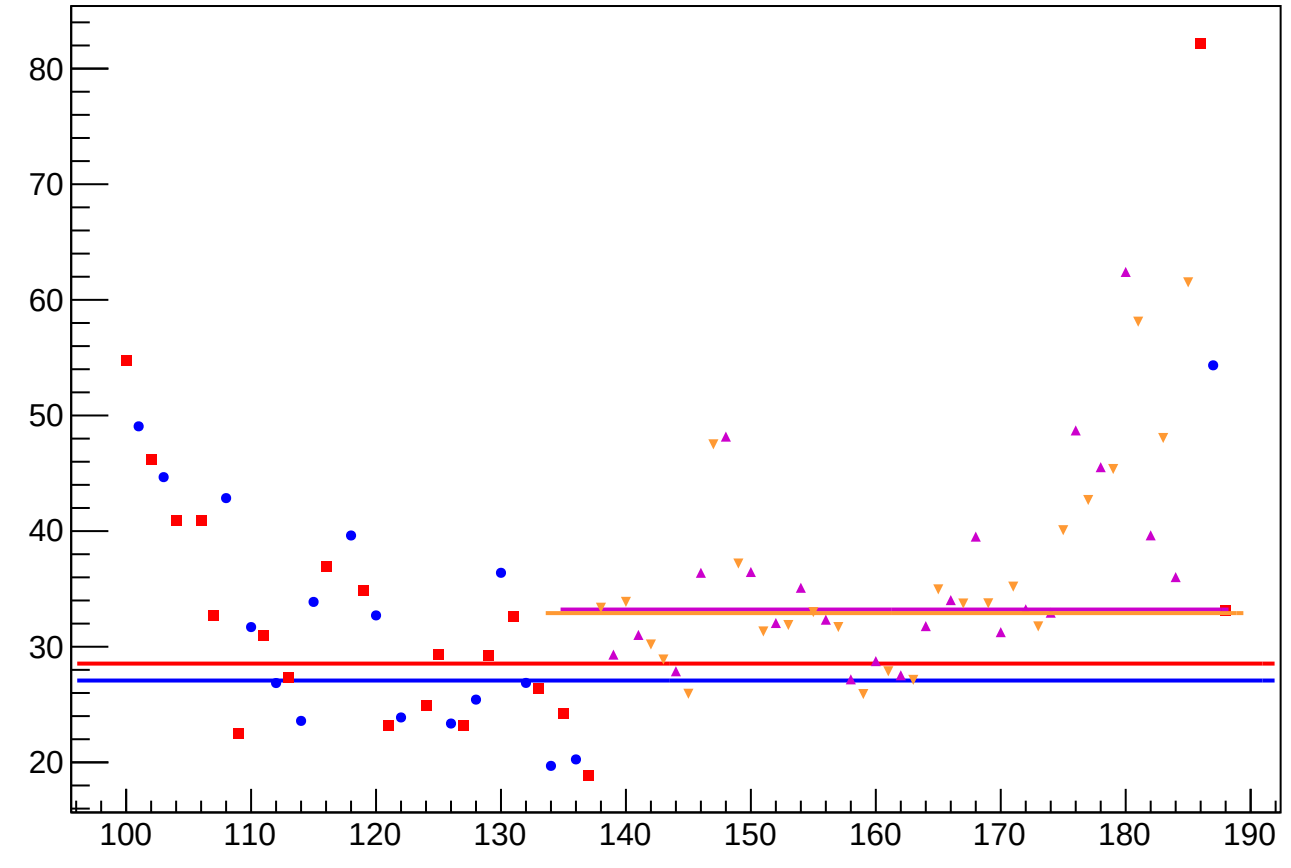
Left: 0.005+/-0.006 χ^2/NDF: 46.7/47

Right: -0.016+/-0.007 χ^2/NDF: 27.7/37

In: -0.010+/-0.006 χ^2/NDF:33.5/39

Out: 0.004+/-0.006 χ^2/NDF:44.2/45

All: -0.003+/-0.004 χ^2/NDF: 80.0/85



Right In: 27.077+/-0.007 χ^2/NDF: 1215292.7/16

Left Out: 32.907+/-0.005 χ^2/NDF:1427924.1/24

Right Out: 28.542+/-0.007 χ^2/NDF: 1097406.9/20

Left In: 33.217+/-0.006 χ^2/NDF:1221447.0/22

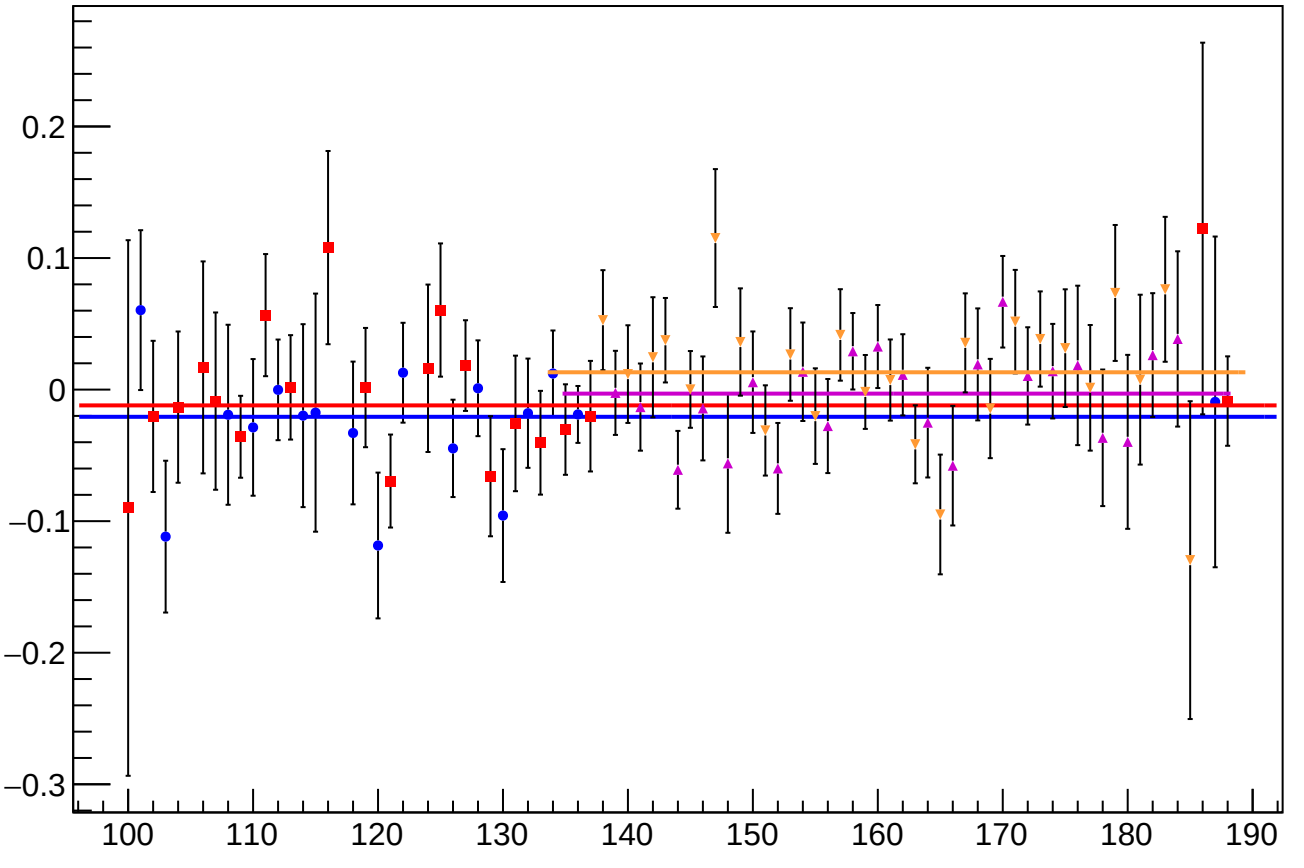
Left: 33.056+/-0.004 χ^2/NDF: 2650936.9/47

Right: 27.840+/-0.005 χ^2/NDF: 2333086.9/37

In: 30.967+/-0.004 χ^2/NDF:2872385.9/39

Out: 31.297+/-0.004 χ^2/NDF:2763792.6/45

All: 31.138+/-0.003 χ^2/NDF: 5638989.1/85



Right In: -0.021+/-0.010 χ^2/NDF: 12.5/16

Left Out: 0.013+/-0.008 χ^2/NDF:25.4/24

Right Out: -0.012+/-0.010 χ^2/NDF: 14.8/20

Left In: -0.003+/-0.008 χ^2/NDF:19.2/22

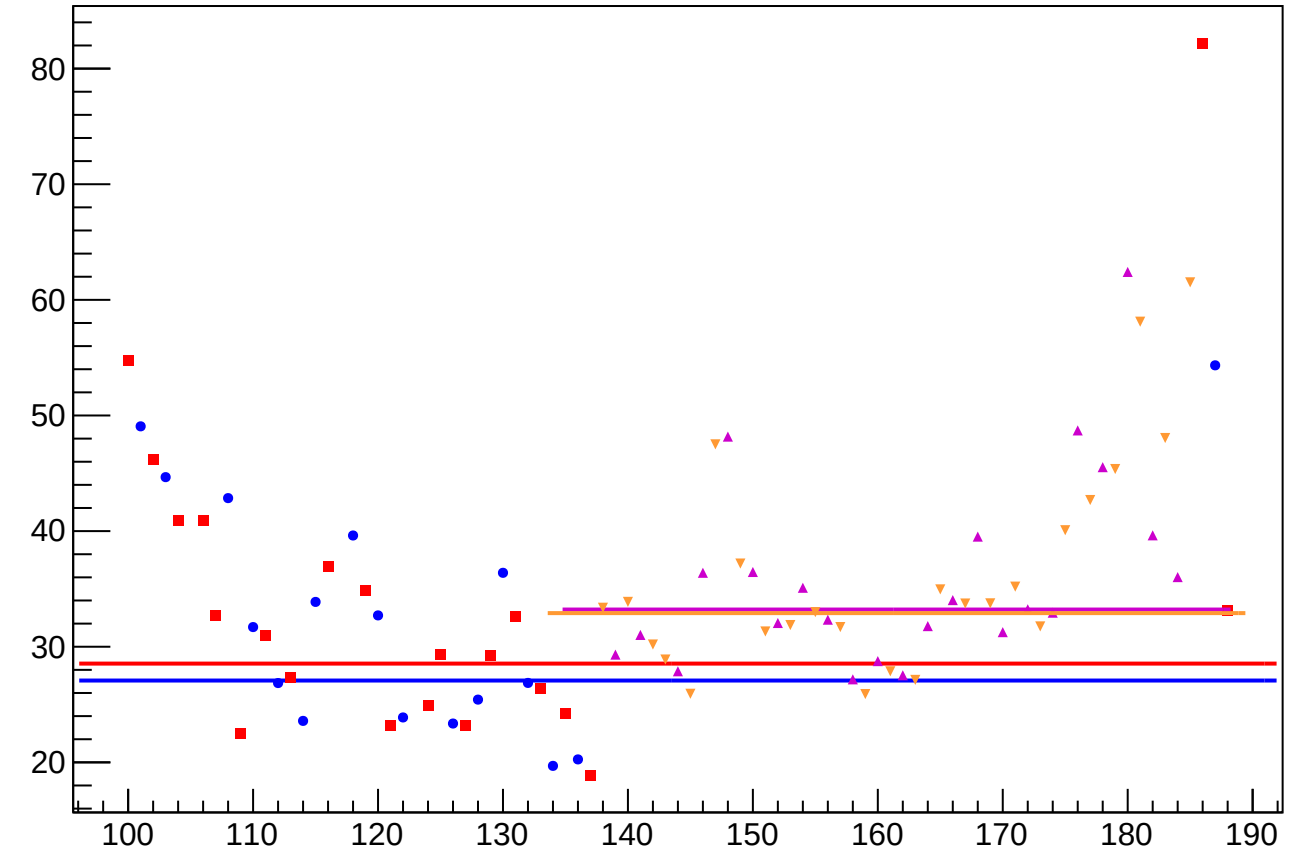
Left: 0.005+/-0.006 χ^2/NDF: 46.7/47

Right: -0.016+/-0.007 χ^2/NDF: 27.7/37

In: -0.010+/-0.006 χ^2/NDF:33.5/39

Out: 0.004+/-0.006 χ^2/NDF:44.2/45

All: -0.003+/-0.004 χ^2/NDF: 80.0/85



Right In: 27.077+/-0.007 χ^2/NDF: 1215292.7/16

Left Out: 32.907+/-0.005 χ^2/NDF:1427924.1/24

Right Out: 28.542+/-0.007 χ^2/NDF: 1097406.9/20

Left In: 33.217+/-0.006 χ^2/NDF:1221447.0/22

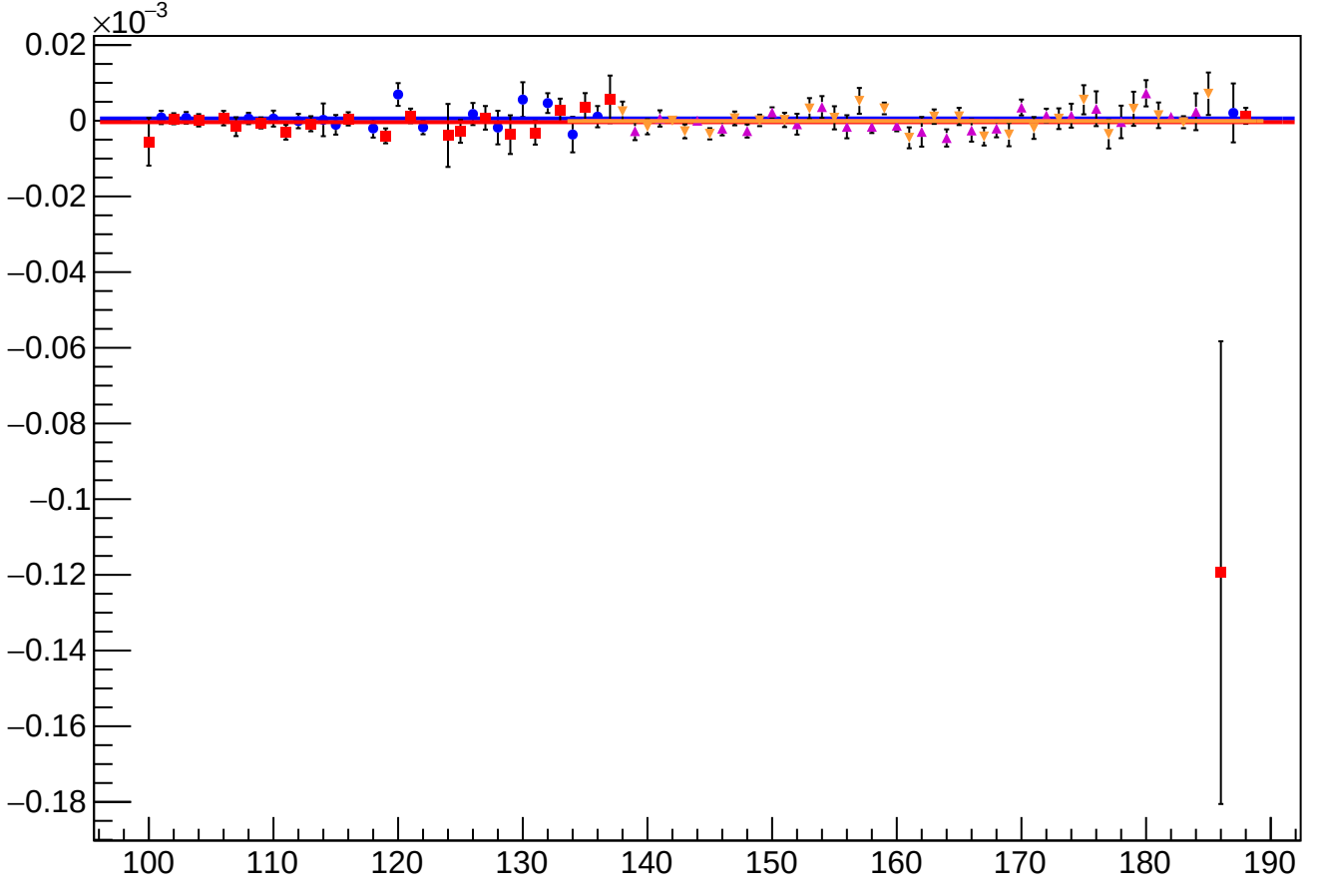
Left: 33.056+/-0.004 χ^2/NDF: 2650936.9/47

Right: 27.840+/-0.005 χ^2/NDF: 2333086.9/37

In: 30.967+/-0.004 χ^2/NDF:2872385.9/39

Out: 31.297+/-0.004 χ^2/NDF:2763792.6/45

All: 31.138+/-0.003 χ^2/NDF: 5638989.1/85



Right In: 0.000+/-0.000 χ^2/NDF: 12.8/16

Left Out: -0.000+/-0.000 χ^2/NDF:31.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 17.6/20

Left In: -0.000+/-0.000 χ^2/NDF:27.0/22

Left: -0.000+/-0.000 χ^2/NDF: 58.0/47

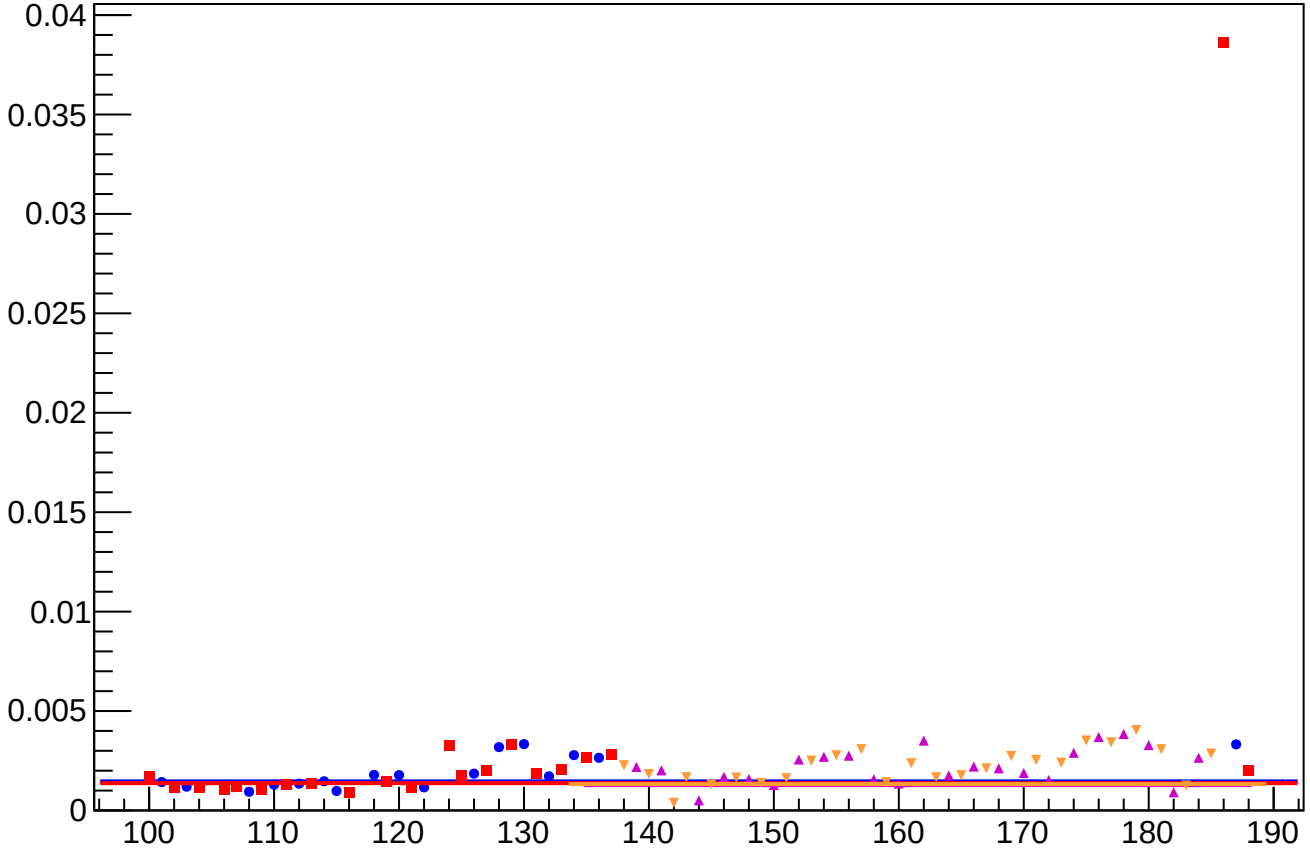
Right: 0.000+/-0.000 χ^2/NDF: 32.0/37

In: 0.000+/-0.000 χ^2/NDF:40.6/39

Out: -0.000+/-0.000 χ^2/NDF:48.9/45

All: -0.000+/-0.000 χ^2/NDF: 90.1/85

asym_sam_15_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 1825339.3/16

Left Out: 0.001+/-0.000 χ^2/NDF:11159347.0/24

Right Out: 0.001+/-0.000 χ^2/NDF: 2351511.1/20

Left In: 0.001+/-0.000 χ^2/NDF:9878422.3/22

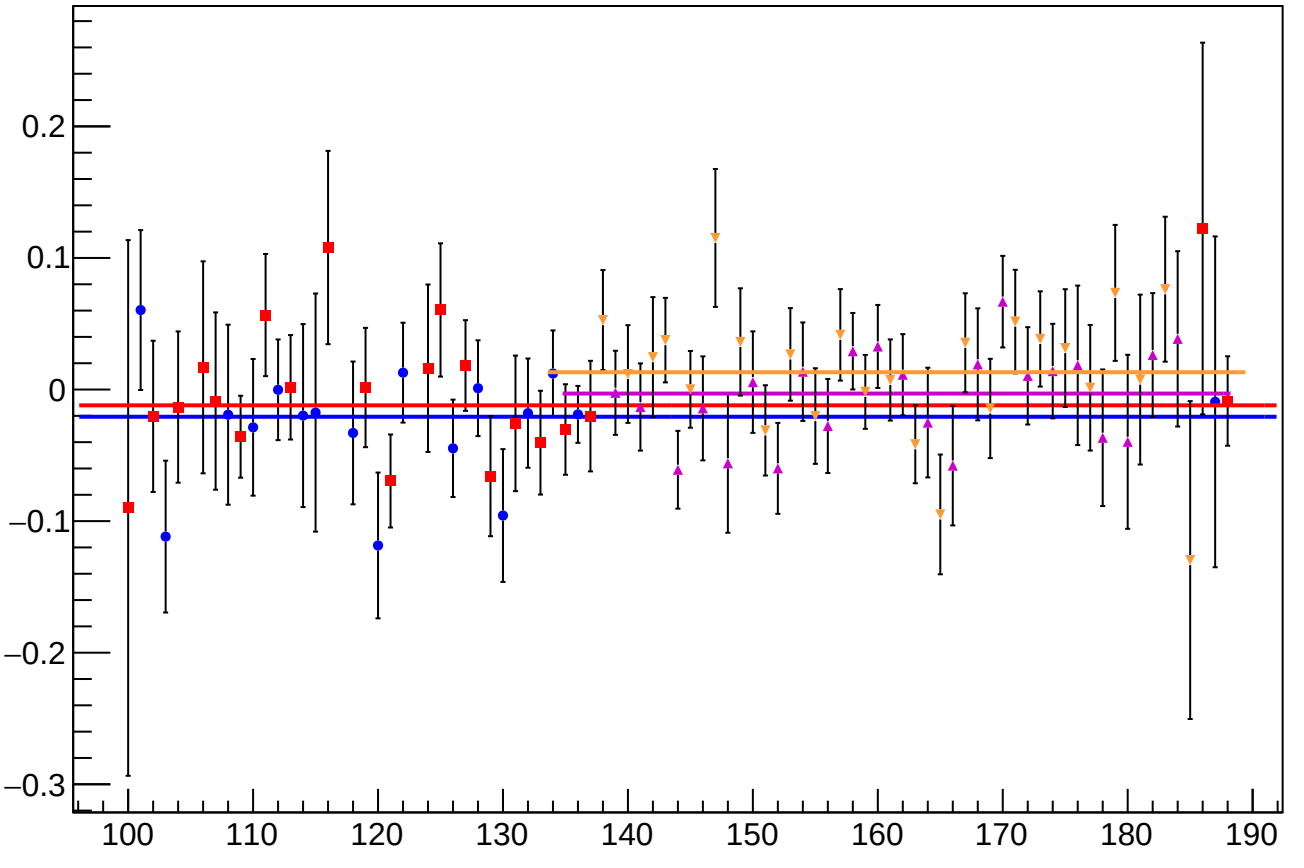
Left: 0.001+/-0.000 χ^2/NDF: 21058948.3/47

Right: 0.001+/-0.000 χ^2/NDF: 4204611.9/37

In: 0.001+/-0.000 χ^2/NDF:11859875.1/39

Out: 0.001+/-0.000 χ^2/NDF:13521881.2/45

All: 0.001+/-0.000 χ^2/NDF: 25384828.4/85



Right In: -0.021+/-0.010 χ^2/NDF: 12.5/16

Left Out: 0.013+/-0.008 χ^2/NDF:25.4/24

Right Out: -0.012+/-0.010 χ^2/NDF: 14.8/20

Left In: -0.003+/-0.008 χ^2/NDF:19.2/22

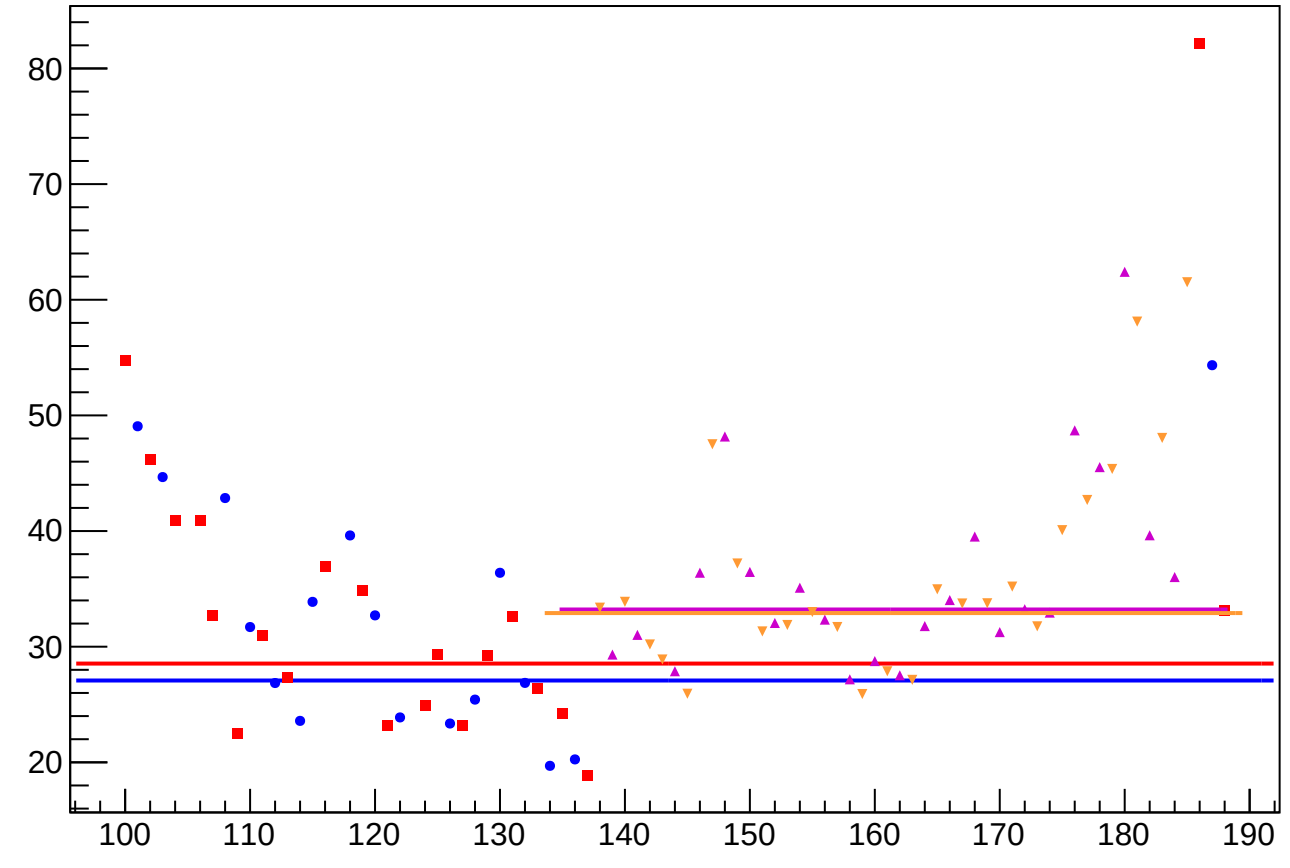
Left: 0.005+/-0.006 χ^2/NDF: 46.7/47

Right: -0.016+/-0.007 χ^2/NDF: 27.7/37

In: -0.010+/-0.006 χ^2/NDF:33.5/39

Out: 0.004+/-0.006 χ^2/NDF:44.2/45

All: -0.003+/-0.004 χ^2/NDF: 80.0/85



Right In: 27.076+/-0.007 χ^2/NDF: 1215316.6/16

Left Out: 32.907+/-0.005 χ^2/NDF:1427993.7/24

Right Out: 28.540+/-0.007 χ^2/NDF: 1097506.8/20

Left In: 33.217+/-0.006 χ^2/NDF:1221516.5/22

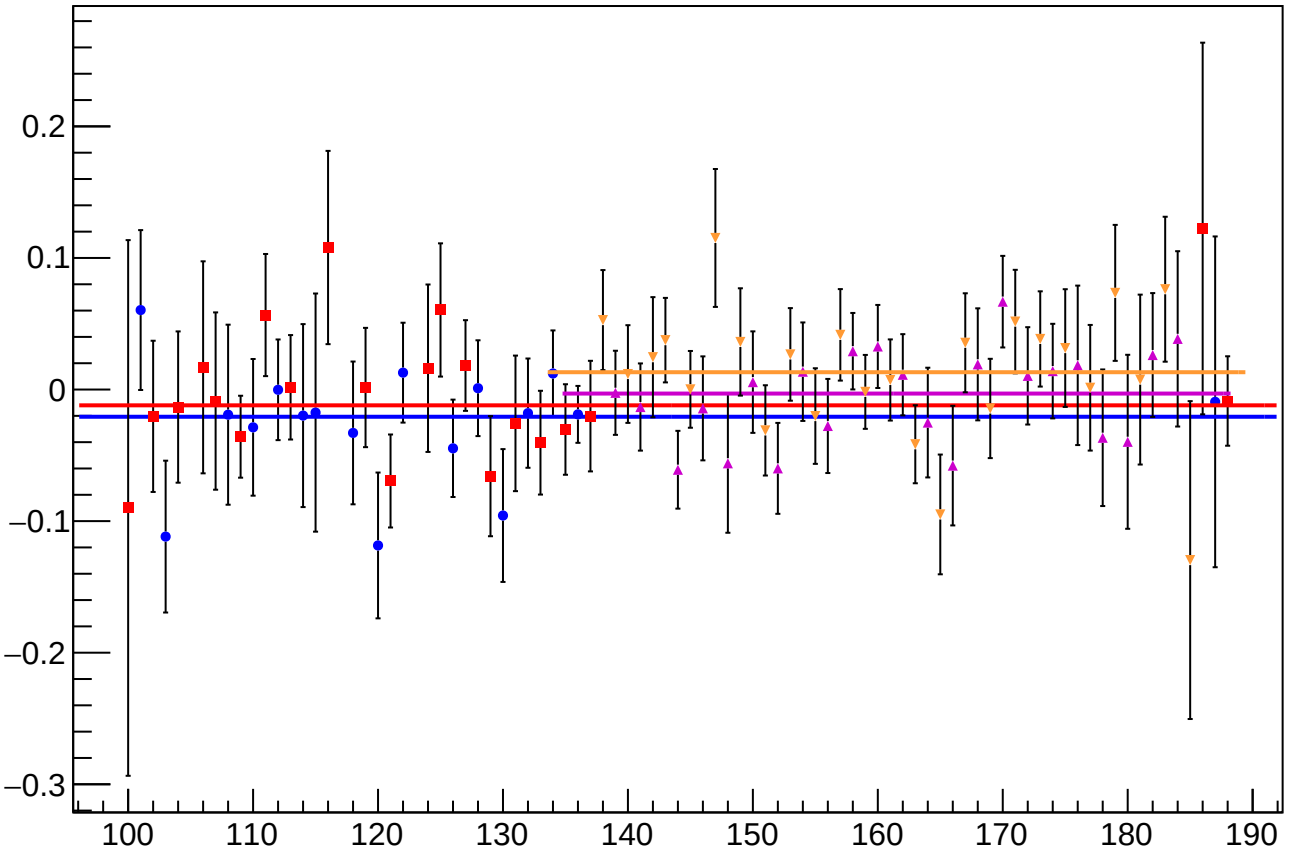
Left: 33.056+/-0.004 χ^2/NDF: 2651077.1/47

Right: 27.839+/-0.005 χ^2/NDF: 2333202.9/37

In: 30.967+/-0.004 χ^2/NDF:2872624.3/39

Out: 31.296+/-0.004 χ^2/NDF:2764097.7/45

All: 31.138+/-0.003 χ^2/NDF: 5639529.8/85



Right In: -0.021+/-0.010 χ^2/NDF: 12.5/16

Left Out: 0.013+/-0.008 χ^2/NDF:25.4/24

Right Out: -0.012+/-0.010 χ^2/NDF: 14.8/20

Left In: -0.003+/-0.008 χ^2/NDF:19.2/22

Left: 0.005+/-0.006 χ^2/NDF: 46.7/47

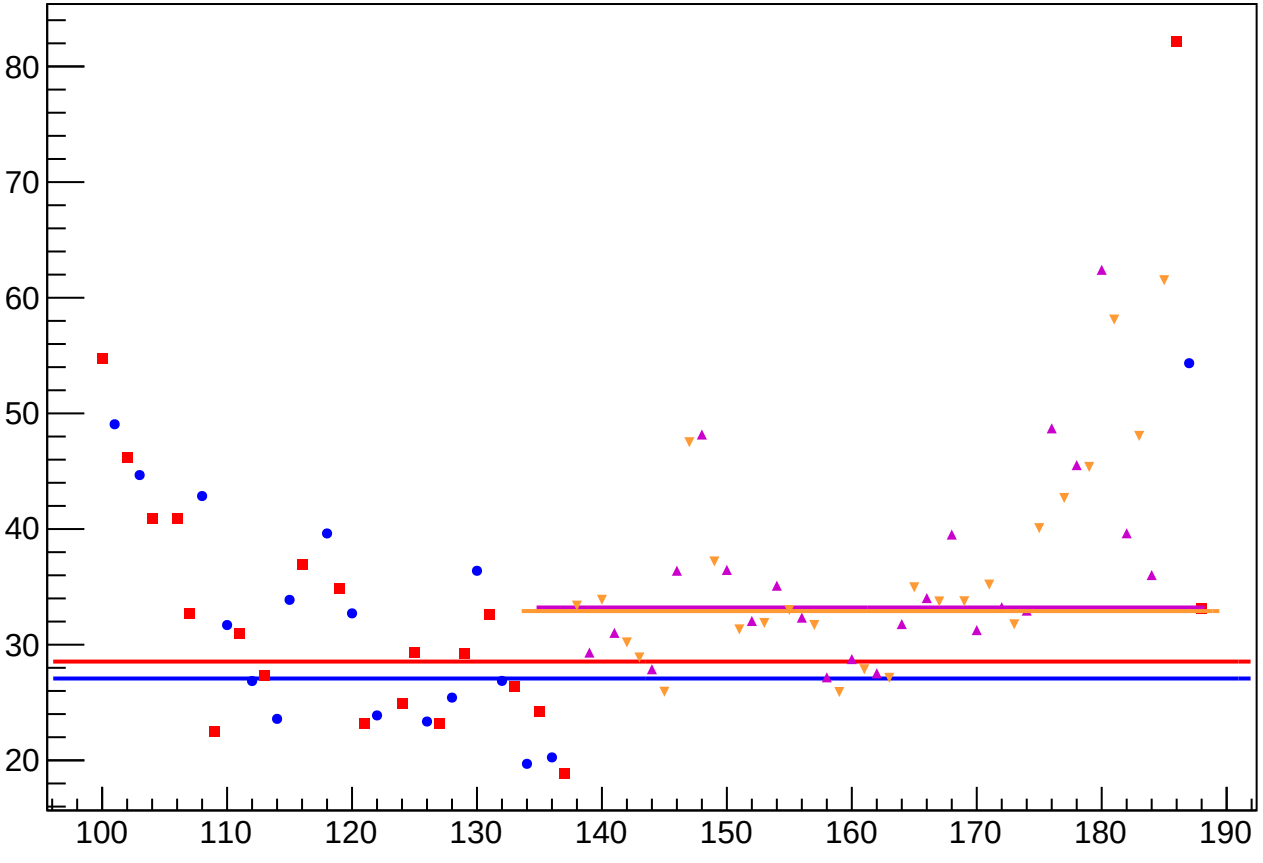
Right: -0.016+/-0.007 χ^2/NDF: 27.7/37

In: -0.010+/-0.006 χ^2/NDF:33.5/39

Out: 0.004+/-0.006 χ^2/NDF:44.2/45

All: -0.003+/-0.004 χ^2/NDF: 80.0/85

asym_sam_15_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.076+/-0.007 χ^2/NDF: 1215316.6/16

Left Out: 32.907+/-0.005 χ^2/NDF:1427993.7/24

Right Out: 28.540+/-0.007 χ^2/NDF: 1097506.8/20

Left In: 33.217+/-0.006 χ^2/NDF:1221516.5/22

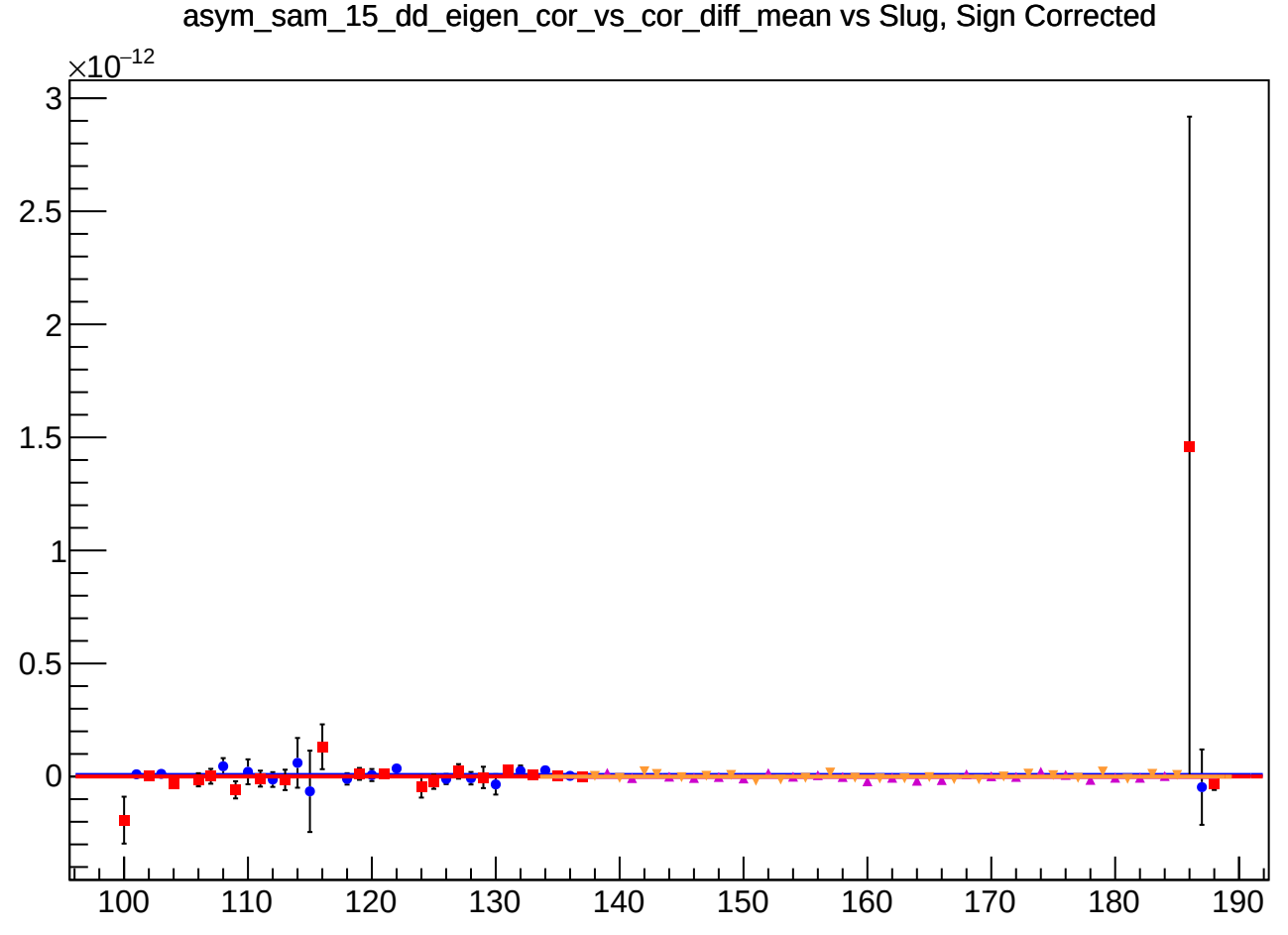
Left: 33.056+/-0.004 χ^2/NDF: 2651077.1/47

Right: 27.839+/-0.005 χ^2/NDF: 2333202.9/37

In: 30.967+/-0.004 χ^2/NDF:2872624.3/39

Out: 31.296+/-0.004 χ^2/NDF:2764097.7/45

All: 31.138+/-0.003 χ^2/NDF: 5639529.8/85



Right In: 0.000+/-0.000 χ^2/NDF: 8.4/16

Left Out: -0.000+/-0.000 χ^2/NDF:31.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 17.9/20

Left In: -0.000+/-0.000 χ^2/NDF:25.3/22

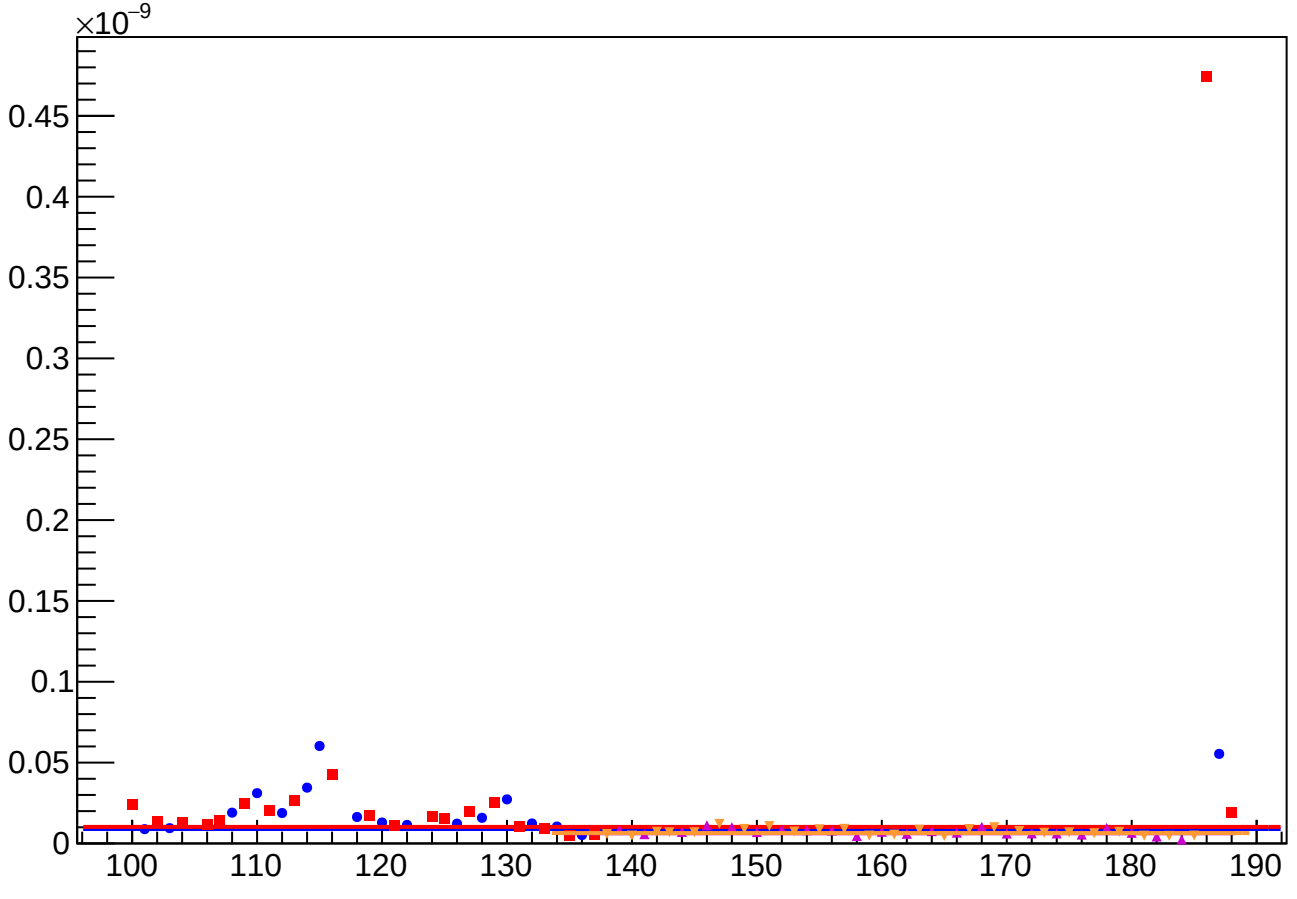
Left: -0.000+/-0.000 χ^2/NDF: 56.5/47

Right: 0.000+/-0.000 χ^2/NDF: 27.4/37

In: -0.000+/-0.000 χ^2/NDF:36.5/39

Out: -0.000+/-0.000 χ^2/NDF:48.9/45

All: -0.000+/-0.000 χ^2/NDF: 85.5/85



Right In: 0.000+/-0.000 χ^2/NDF: 2558155.5/16

Left Out: 0.000+/-0.000 χ^2/NDF:1879116.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3101879.5/20

Left In: 0.000+/-0.000 χ^2/NDF:2127144.3/22

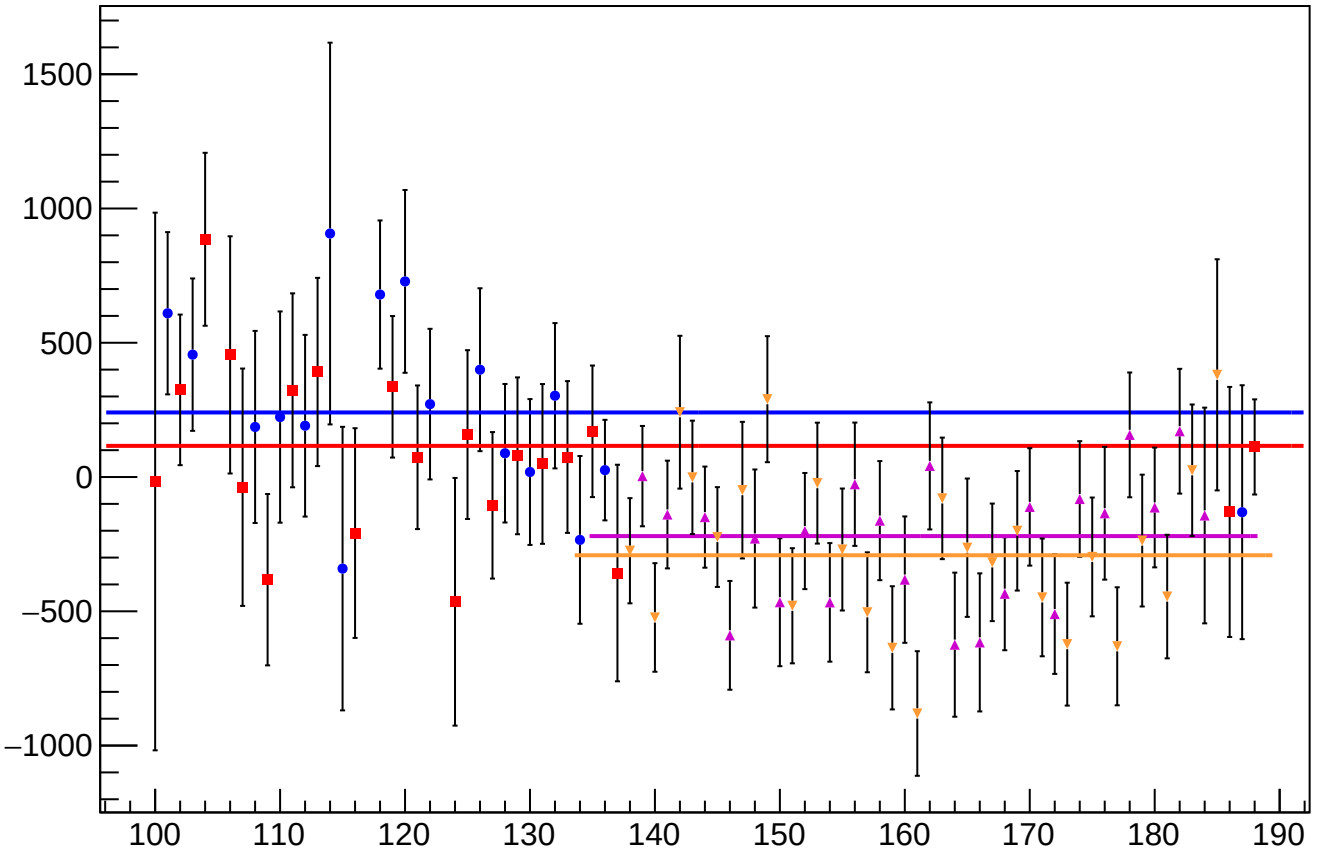
Left: 0.000+/-0.000 χ^2/NDF: 4010035.8/47

Right: 0.000+/-0.000 χ^2/NDF: 5733179.8/37

In: 0.000+/-0.000 χ^2/NDF:5260429.7/39

Out: 0.000+/-0.000 χ^2/NDF:6062952.4/45

All: 0.000+/-0.000 χ^2/NDF: 11336163.0/85



Right In: 240.445+/-73.955 χ^2/NDF: 14.4/16

Left Out: -291.313+/-45.614 χ^2/NDF:36.4/24

Right Out: 116.018+/-67.841 χ^2/NDF: 15.8/20

Left In: -219.974+/-47.146 χ^2/NDF:23.7/22

Left: -256.821+/-32.782 χ^2/NDF: 61.3/47

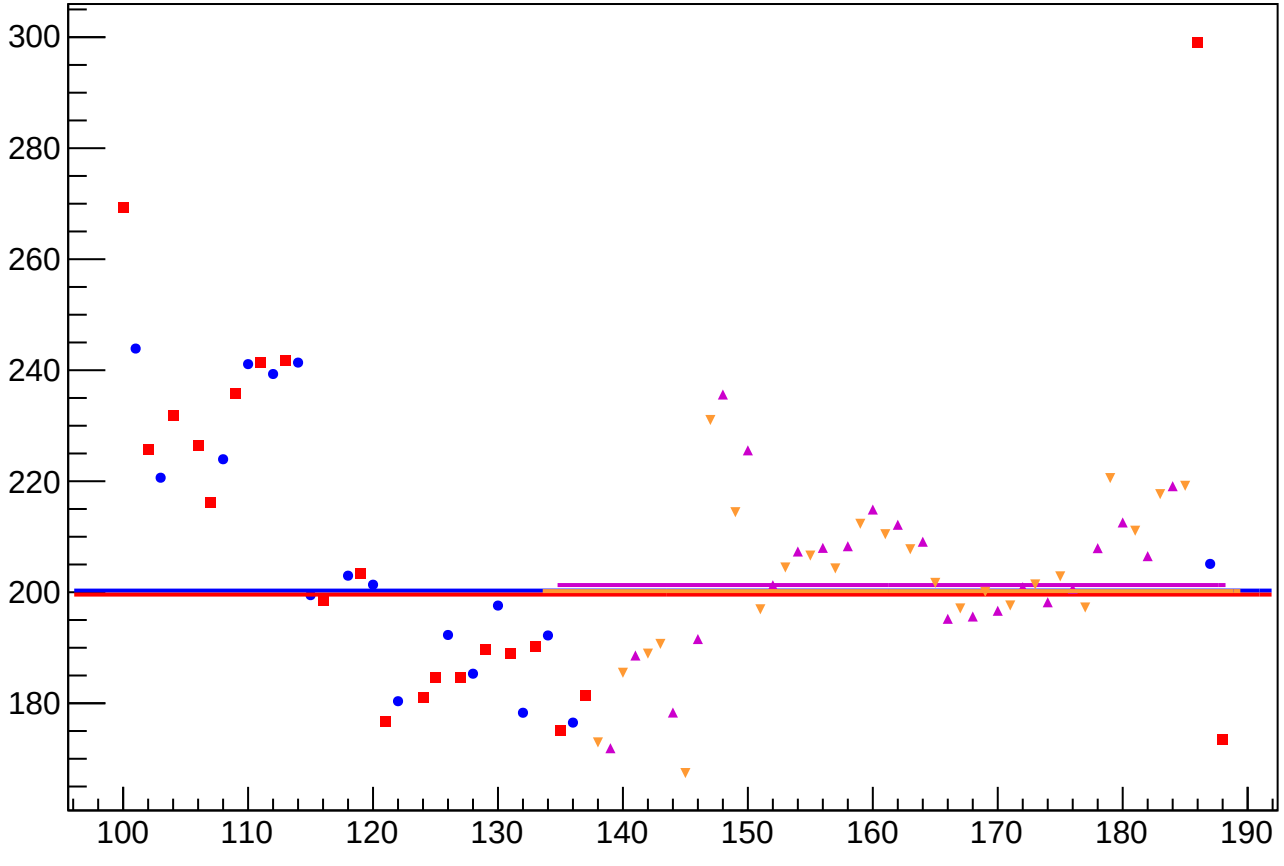
Right: 172.876+/-49.993 χ^2/NDF: 31.8/37

In: -86.931+/-39.755 χ^2/NDF:65.7/39

Out: -164.499+/-37.853 χ^2/NDF:77.0/45

All: -127.615+/-27.414 χ^2/NDF: 144.7/85

reg_asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 200.298+/-0.052 χ^2/NDF: 181213.7/16

Left Out: 200.210+/-0.032 χ^2/NDF:204393.9/24

Right Out: 199.579+/-0.048 χ^2/NDF: 333159.5/20

Left In: 201.297+/-0.033 χ^2/NDF:181646.8/22

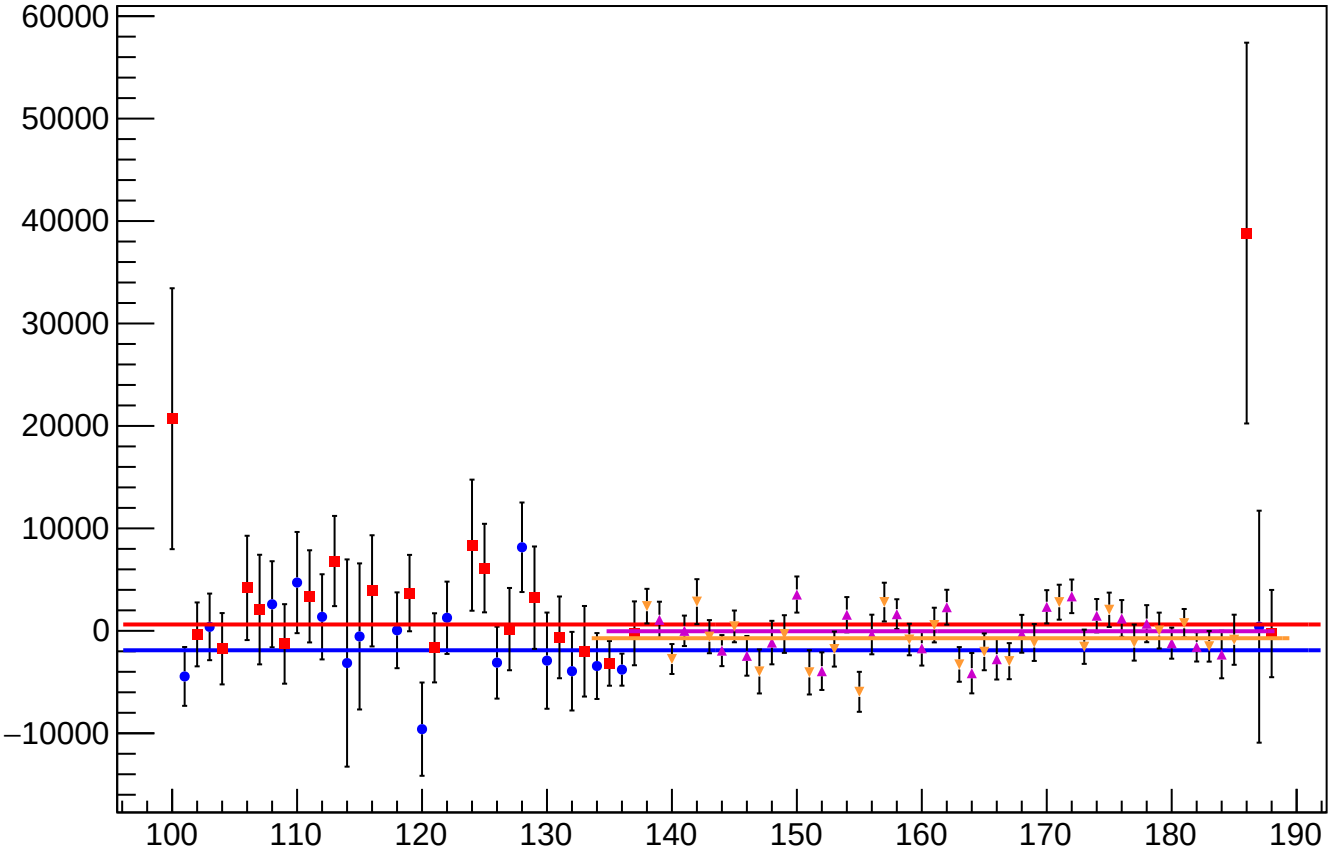
Left: 200.736+/-0.023 χ^2/NDF: 386590.4/47

Right: 199.907+/-0.035 χ^2/NDF: 514475.8/37

In: 201.008+/-0.028 χ^2/NDF:363120.4/39

Out: 200.013+/-0.027 χ^2/NDF:537672.7/45

All: 200.487+/-0.019 χ^2/NDF: 901450.4/85



Right In: -1897.096+/-856.625 χ^2/NDF: 16.3/16

Left Out: -720.700+/-346.376 χ^2/NDF:38.3/24

Right Out: 620.917+/-879.987 χ^2/NDF: 18.9/20

Left In: -39.277+/-359.265 χ^2/NDF:34.4/22

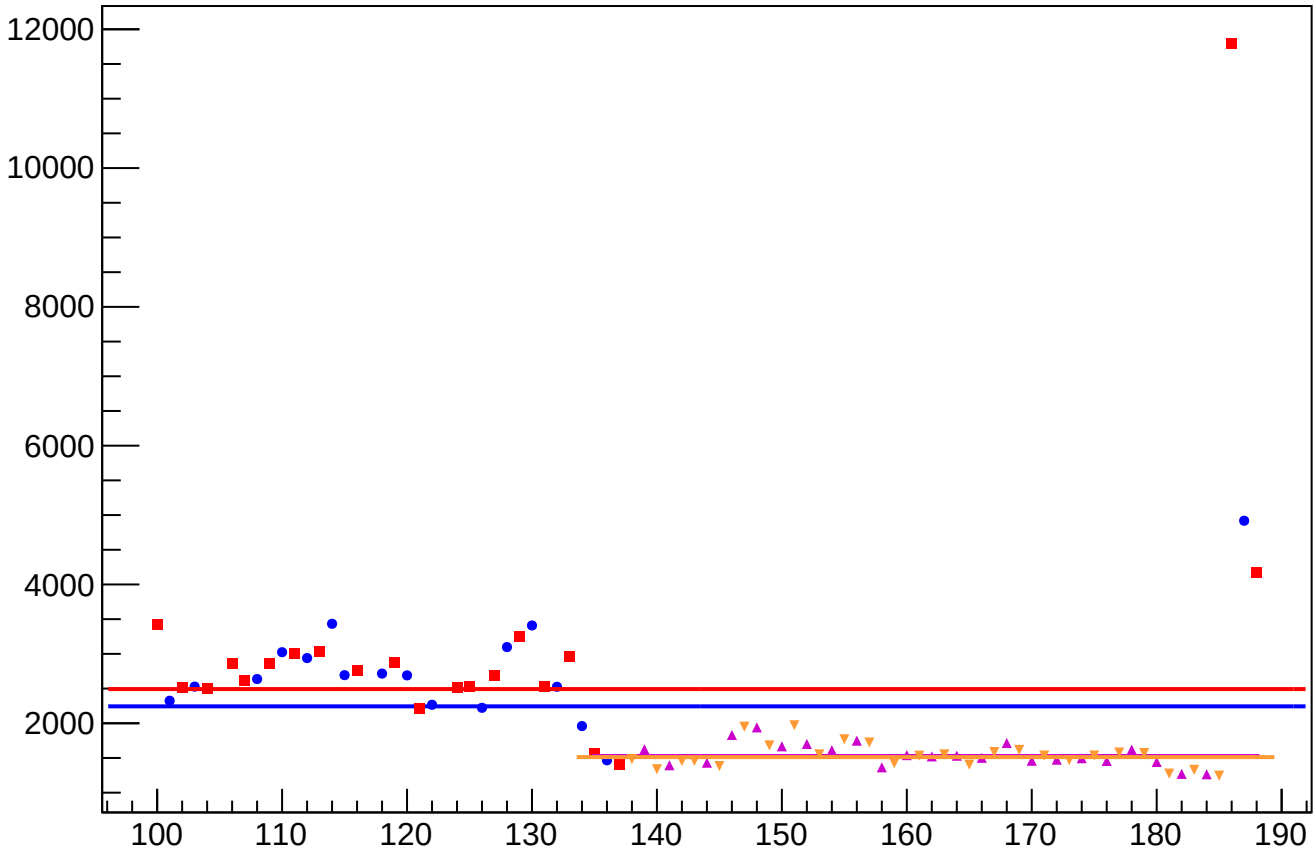
Left: -392.431+/-249.357 χ^2/NDF: 74.6/47

Right: -671.956+/-613.818 χ^2/NDF: 39.4/37

In: -317.174+/-331.307 χ^2/NDF:54.7/39

Out: -540.724+/-322.307 χ^2/NDF:59.2/45

All: -432.027+/-231.022 χ^2/NDF: 114.1/85



Right In: 2243.829+/-0.606 χ^2/NDF: 1059895.1/16

Left Out: 1512.365+/-0.245 χ^2/NDF:442558.0/24

Right Out: 2492.778+/-0.622 χ^2/NDF: 1632670.0/20

Left In: 1527.964+/-0.254 χ^2/NDF:373844.4/22

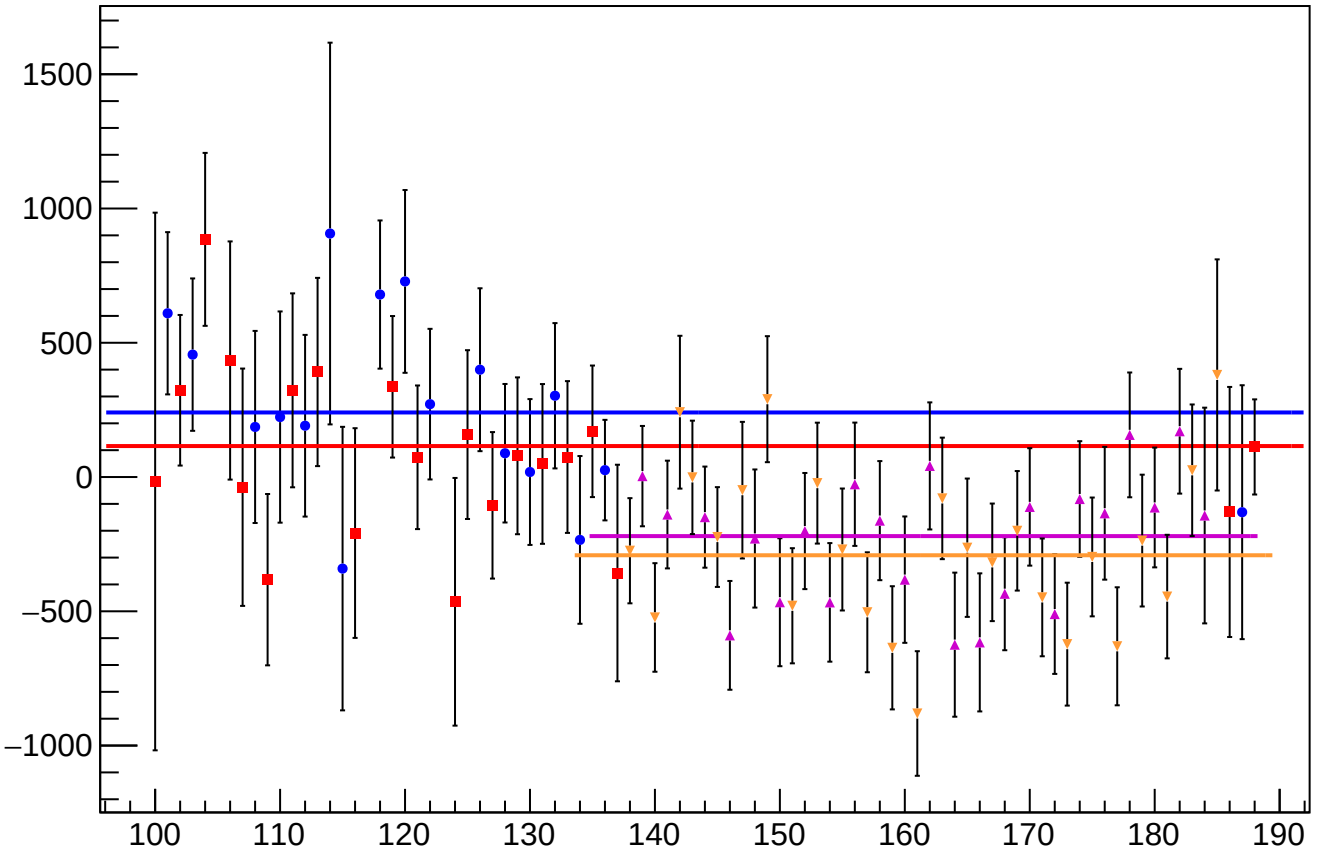
Left: 1519.879+/-0.176 χ^2/NDF: 818356.6/47

Right: 2364.955+/-0.434 χ^2/NDF: 2774750.7/37

In: 1635.045+/-0.234 χ^2/NDF:2621538.2/39

Out: 1643.886+/-0.228 χ^2/NDF:4224738.9/45

All: 1639.587+/-0.163 χ^2/NDF: 6847008.7/85



Right In: 240.449+/-73.955 χ^2/NDF: 14.4/16

Left Out: -291.316+/-45.614 χ^2/NDF:36.4/24

Right Out: 115.364+/-67.849 χ^2/NDF: 15.8/20

Left In: -219.983+/-47.146 χ^2/NDF:23.7/22

Left: -256.827+/-32.782 χ^2/NDF: 61.3/47

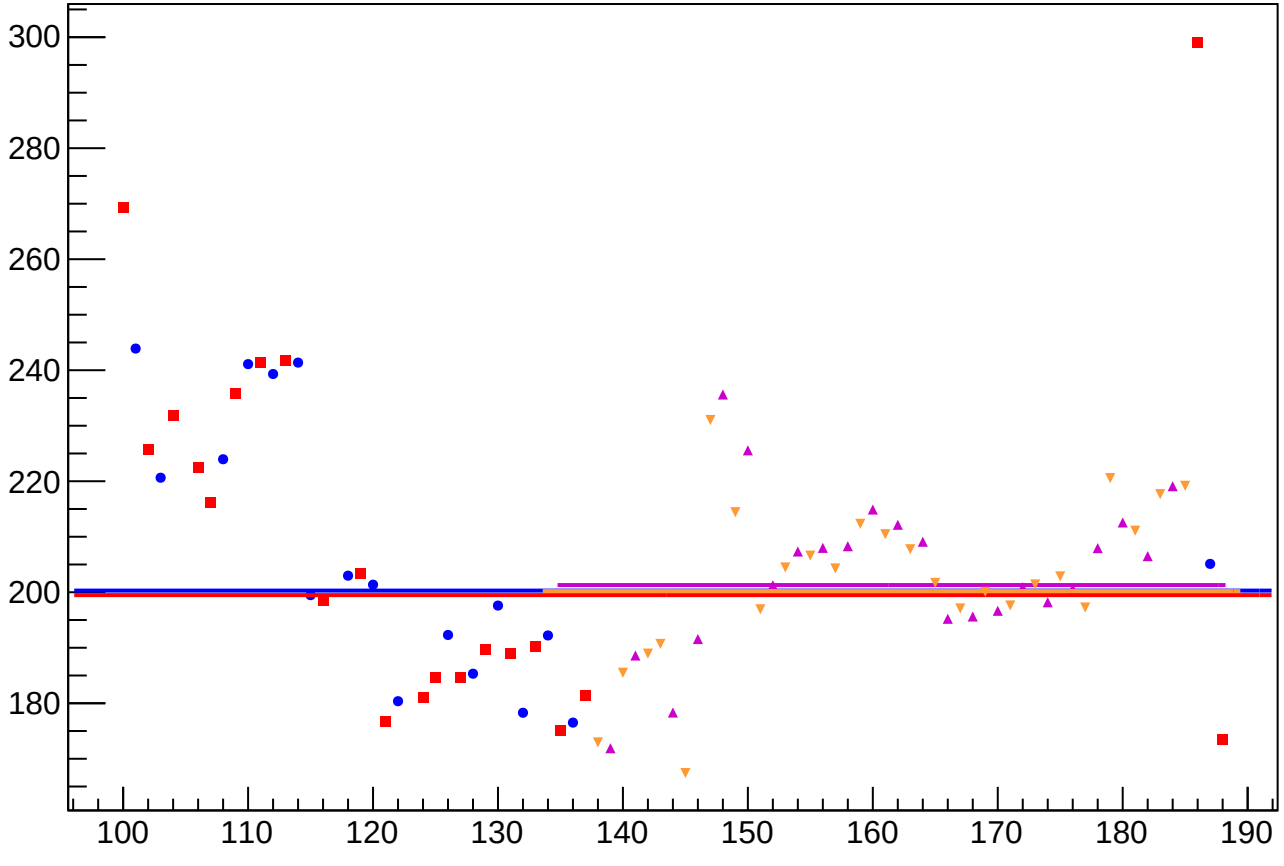
Right: 172.530+/-49.996 χ^2/NDF: 31.7/37

In: -86.936+/-39.755 χ^2/NDF:65.7/39

Out: -164.725+/-37.855 χ^2/NDF:76.9/45

All: -127.734+/-27.414 χ^2/NDF: 144.6/85

cor_asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 200.298+/-0.052 χ^2/NDF: 181214.0/16

Left Out: 200.210+/-0.032 χ^2/NDF:204394.0/24

Right Out: 199.484+/-0.048 χ^2/NDF: 331178.3/20

Left In: 201.297+/-0.033 χ^2/NDF:181646.8/22

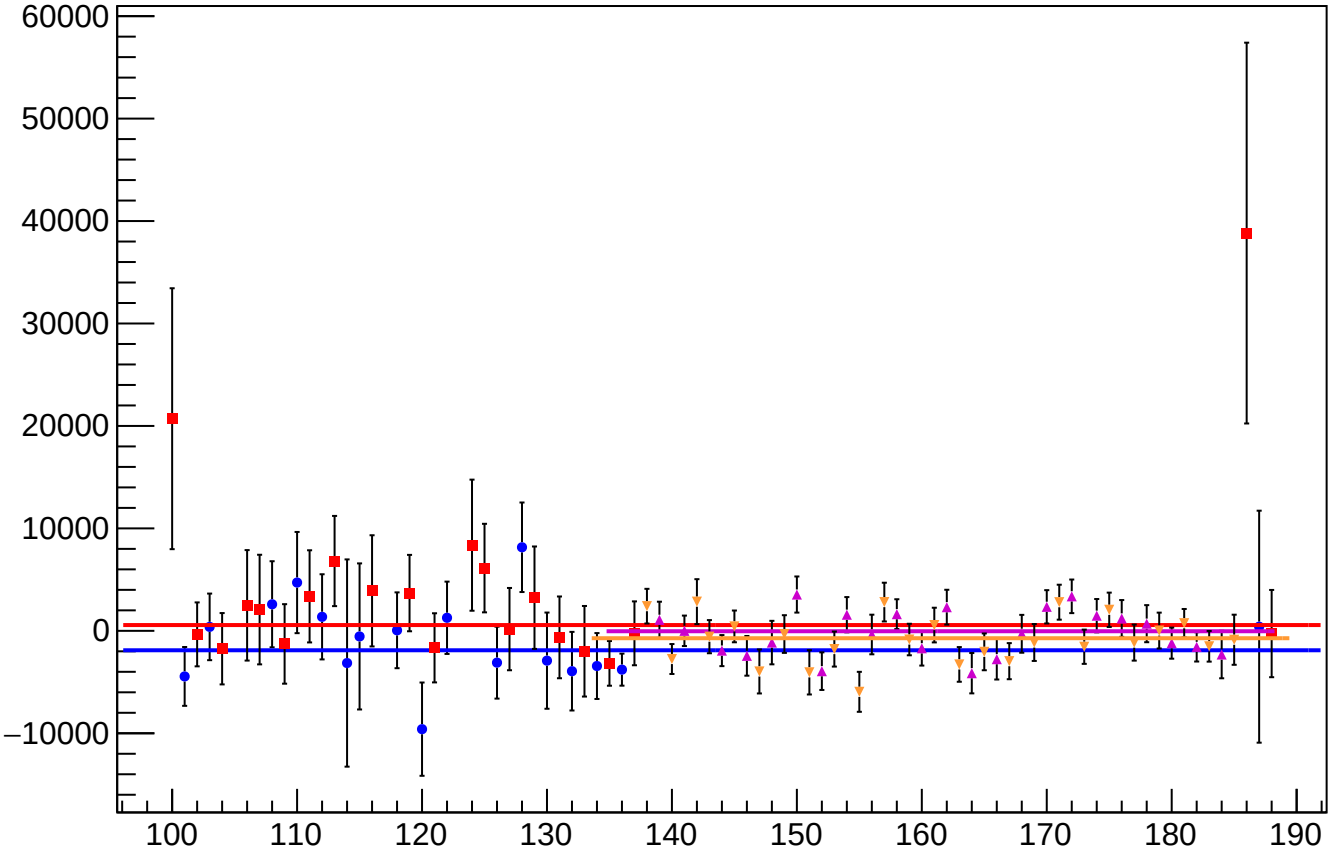
Left: 200.736+/-0.023 χ^2/NDF: 386590.4/47

Right: 199.856+/-0.035 χ^2/NDF: 512523.6/37

In: 201.008+/-0.028 χ^2/NDF:363120.7/39

Out: 199.984+/-0.027 χ^2/NDF:535729.8/45

All: 200.471+/-0.019 χ^2/NDF: 899547.1/85



Right In: -1897.058+/-856.627 χ^2/NDF: 16.3/16

Left Out: -720.705+/-346.376 χ^2/NDF:38.3/24

Right Out: 564.104+/-881.445 χ^2/NDF: 18.5/20

Left In: -39.275+/-359.265 χ^2/NDF:34.4/22

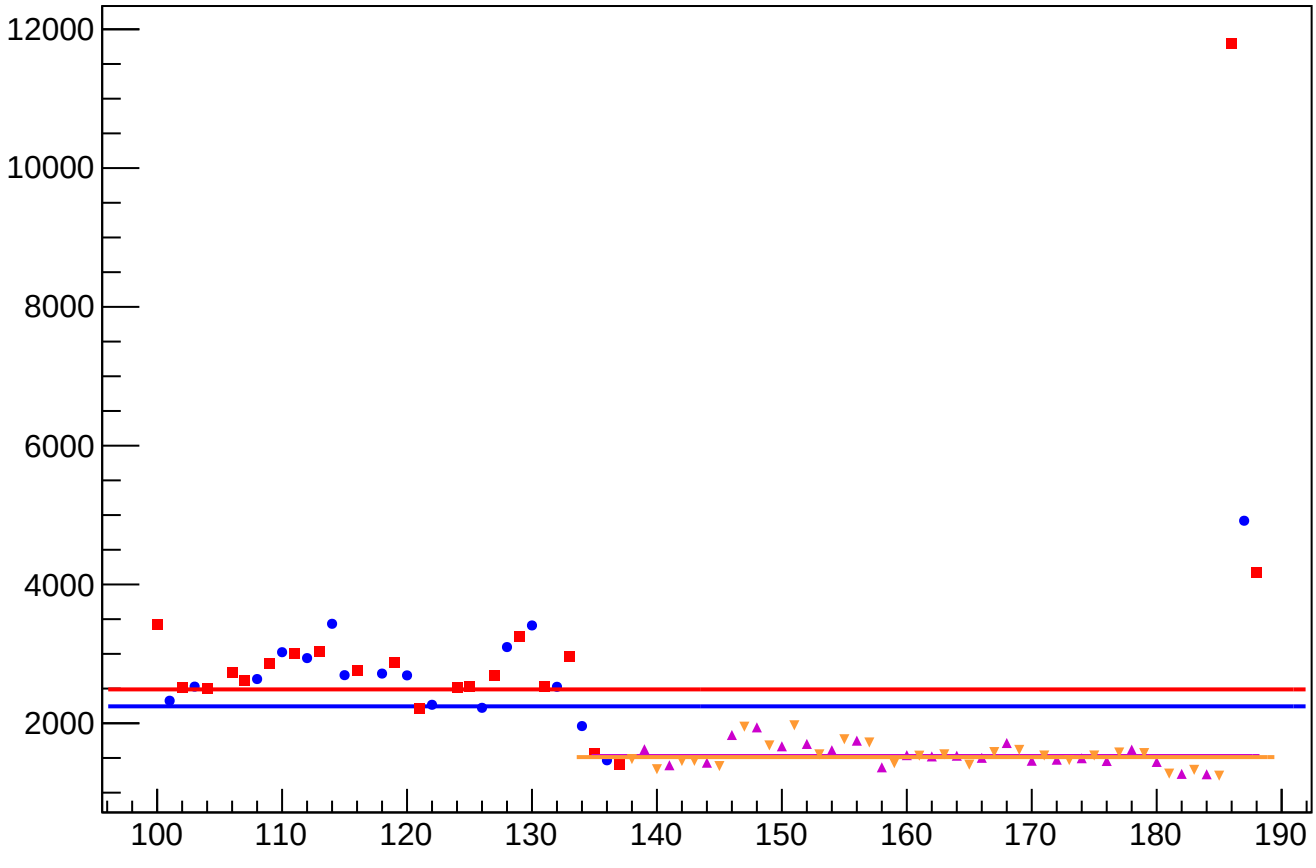
Left: -392.433+/-249.357 χ^2/NDF: 74.6/47

Right: -701.613+/-614.313 χ^2/NDF: 38.8/37

In: -317.166+/-331.307 χ^2/NDF:54.7/39

Out: -548.843+/-322.378 χ^2/NDF:58.6/45

All: -436.168+/-231.048 χ^2/NDF: 113.6/85



Right In: 2243.833+/-0.606 χ^2/NDF: 1059899.3/16

Left Out: 1512.365+/-0.245 χ^2/NDF:442559.1/24

Right Out: 2487.991+/-0.623 χ^2/NDF: 1625706.2/20

Left In: 1527.964+/-0.254 χ^2/NDF:373845.3/22

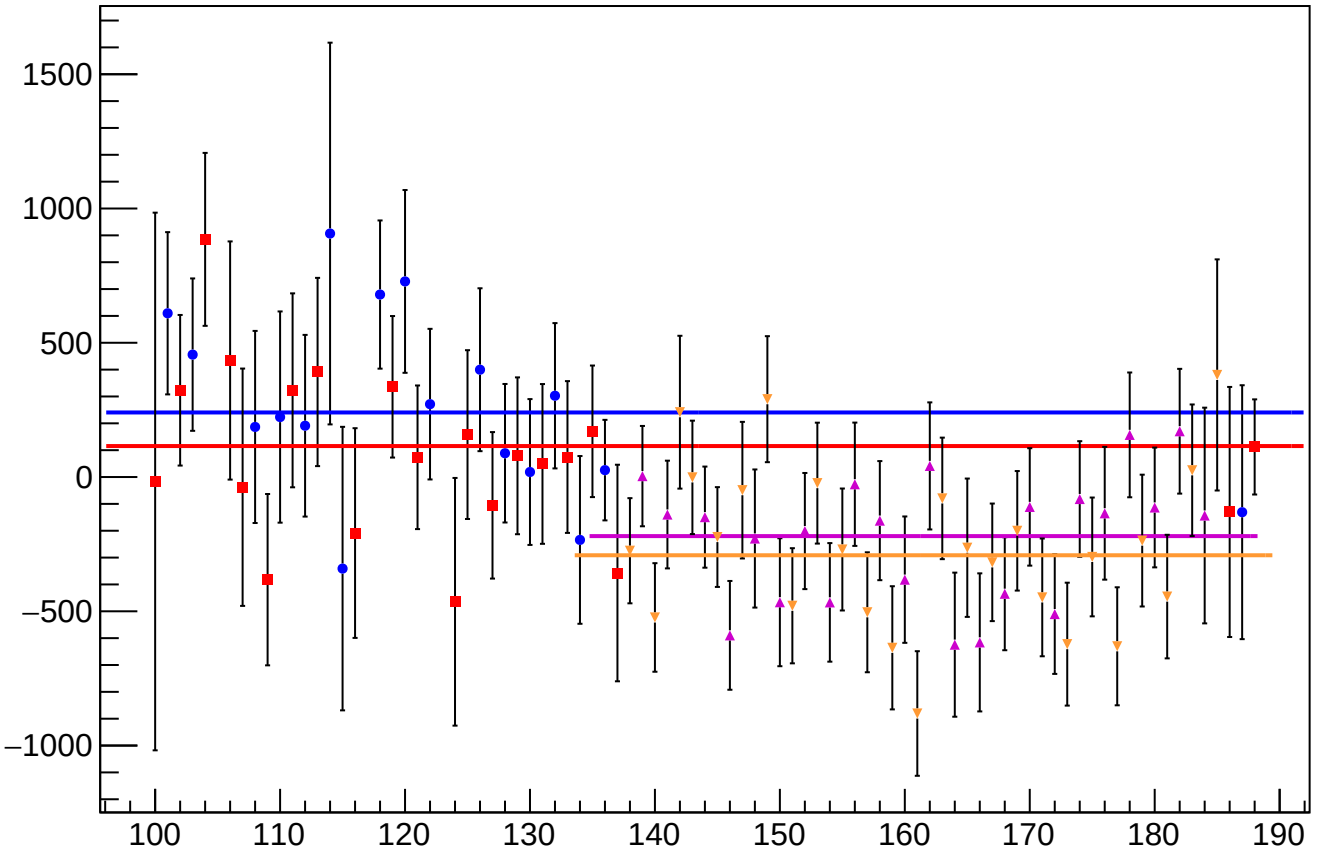
Left: 1519.880+/-0.176 χ^2/NDF: 818358.6/47

Right: 2362.426+/-0.434 χ^2/NDF: 2764523.9/37

In: 1635.045+/-0.234 χ^2/NDF:2621551.1/39

Out: 1642.869+/-0.228 χ^2/NDF:4190740.0/45

All: 1639.064+/-0.163 χ^2/NDF: 6812864.0/85



Right In: 240.449+/-73.955 χ^2/NDF: 14.4/16

Left Out: -291.316+/-45.614 χ^2/NDF:36.4/24

Right Out: 115.364+/-67.849 χ^2/NDF: 15.8/20

Left In: -219.983+/-47.146 χ^2/NDF:23.7/22

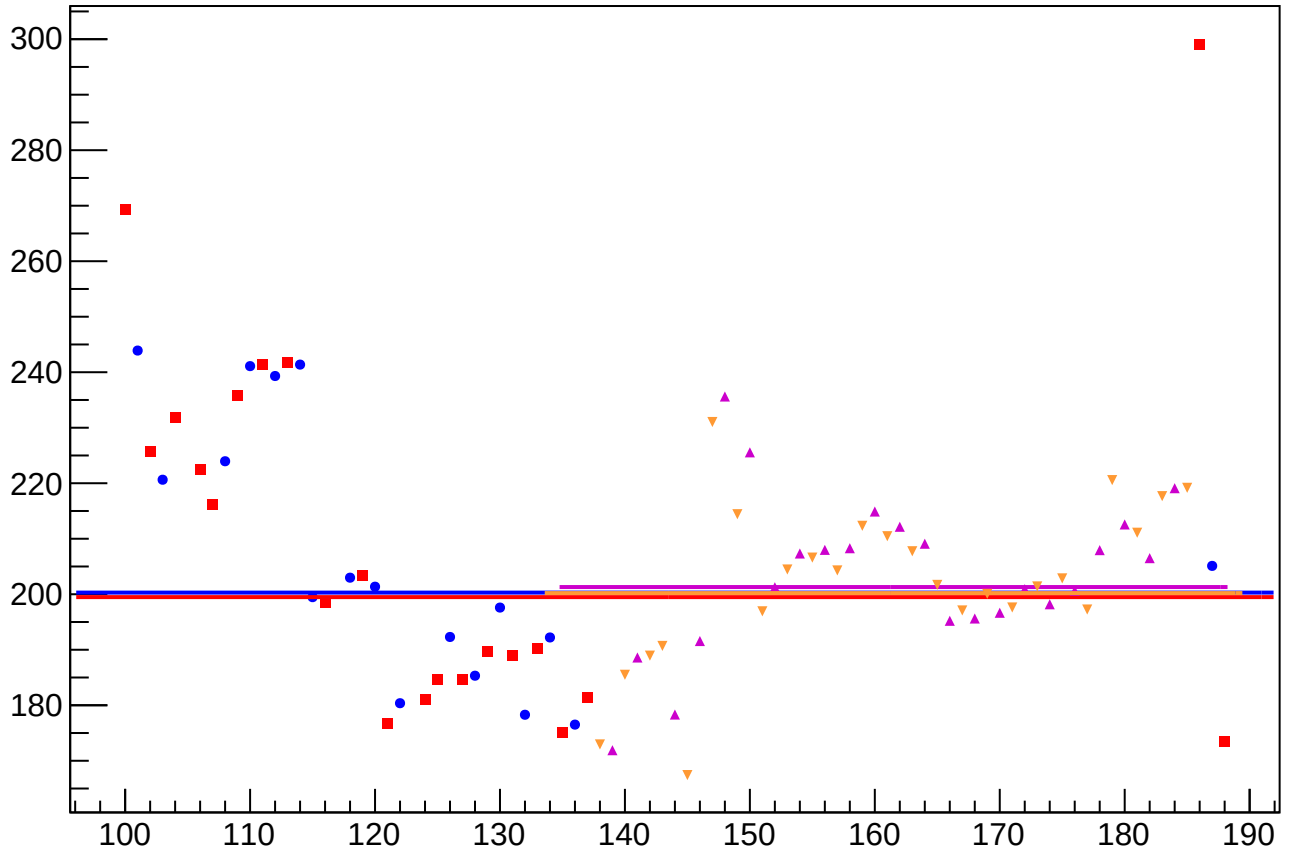
Left: -256.827+/-32.782 χ^2/NDF: 61.3/47

Right: 172.530+/-49.996 χ^2/NDF: 31.7/37

In: -86.936+/-39.755 χ^2/NDF:65.7/39

Out: -164.725+/-37.855 χ^2/NDF:76.9/45

All: -127.734+/-27.414 χ^2/NDF: 144.6/85



Right In: 200.298+/-0.052 χ^2/NDF: 181214.0/16

Left Out: 200.210+/-0.032 χ^2/NDF:204394.0/24

Right Out: 199.484+/-0.048 χ^2/NDF: 331178.3/20

Left In: 201.297+/-0.033 χ^2/NDF:181646.8/22

Left: 200.736+/-0.023 χ^2/NDF: 386590.4/47

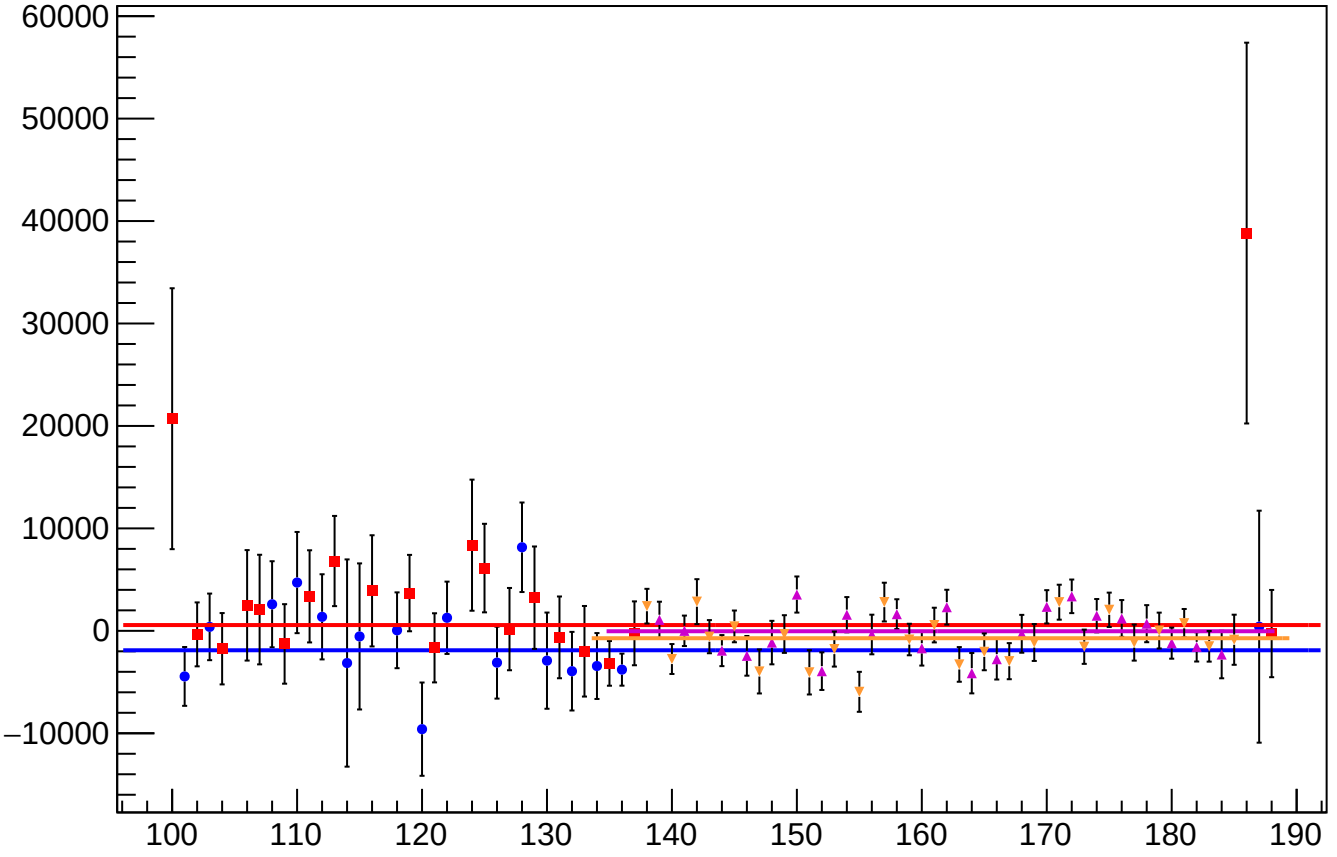
Right: 199.856+/-0.035 χ^2/NDF: 512523.6/37

In: 201.008+/-0.028 χ^2/NDF:363120.7/39

Out: 199.984+/-0.027 χ^2/NDF:535729.8/45

All: 200.471+/-0.019 χ^2/NDF: 899547.1/85

asym_sam_26_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -1897.058+/-856.627 χ^2/NDF: 16.3/16

Left Out: -720.705+/-346.376 χ^2/NDF:38.3/24

Right Out: 564.104+/-881.445 χ^2/NDF: 18.5/20

Left In: -39.275+/-359.265 χ^2/NDF:34.4/22

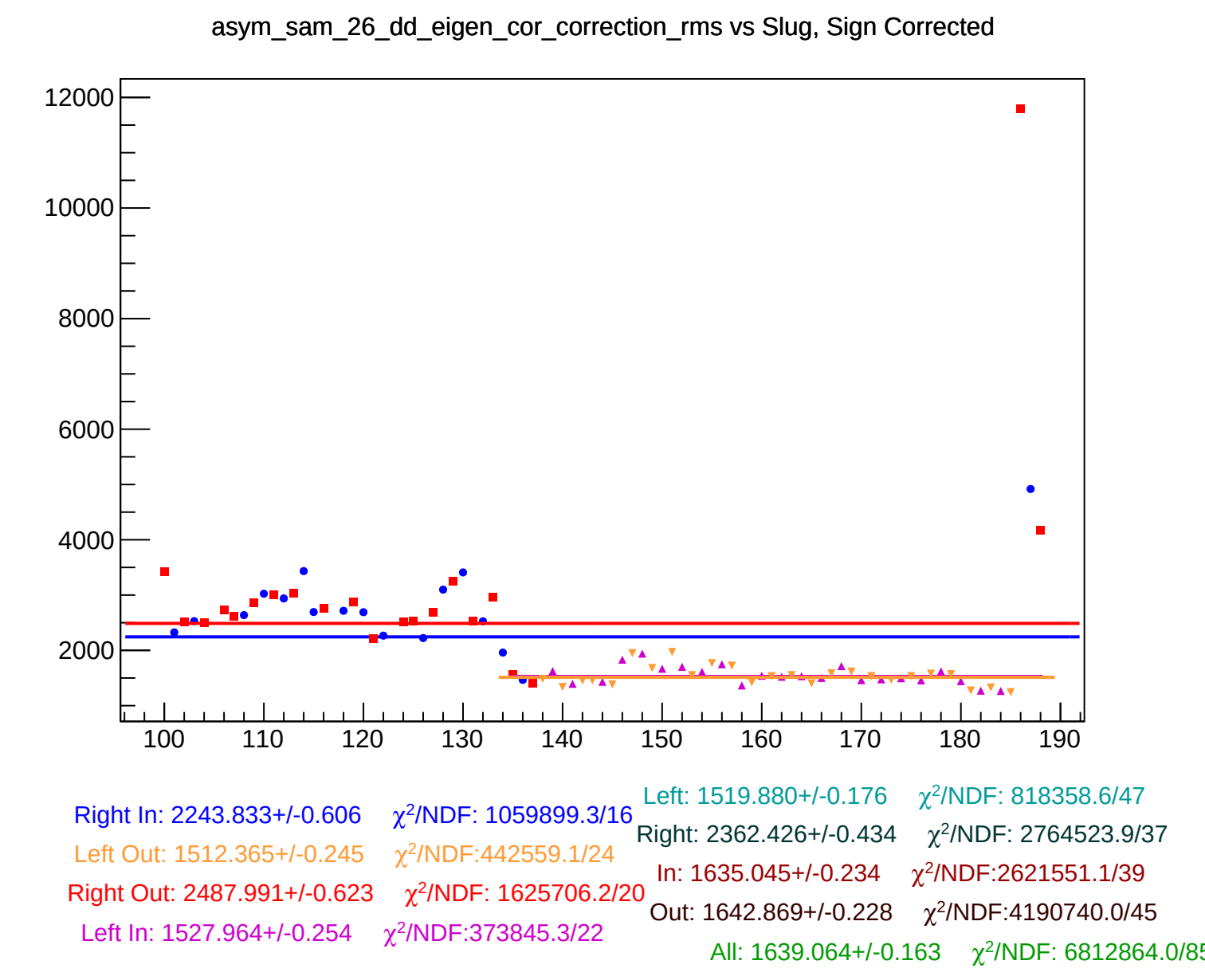
Left: -392.433+/-249.357 χ^2/NDF: 74.6/47

Right: -701.613+/-614.313 χ^2/NDF: 38.8/37

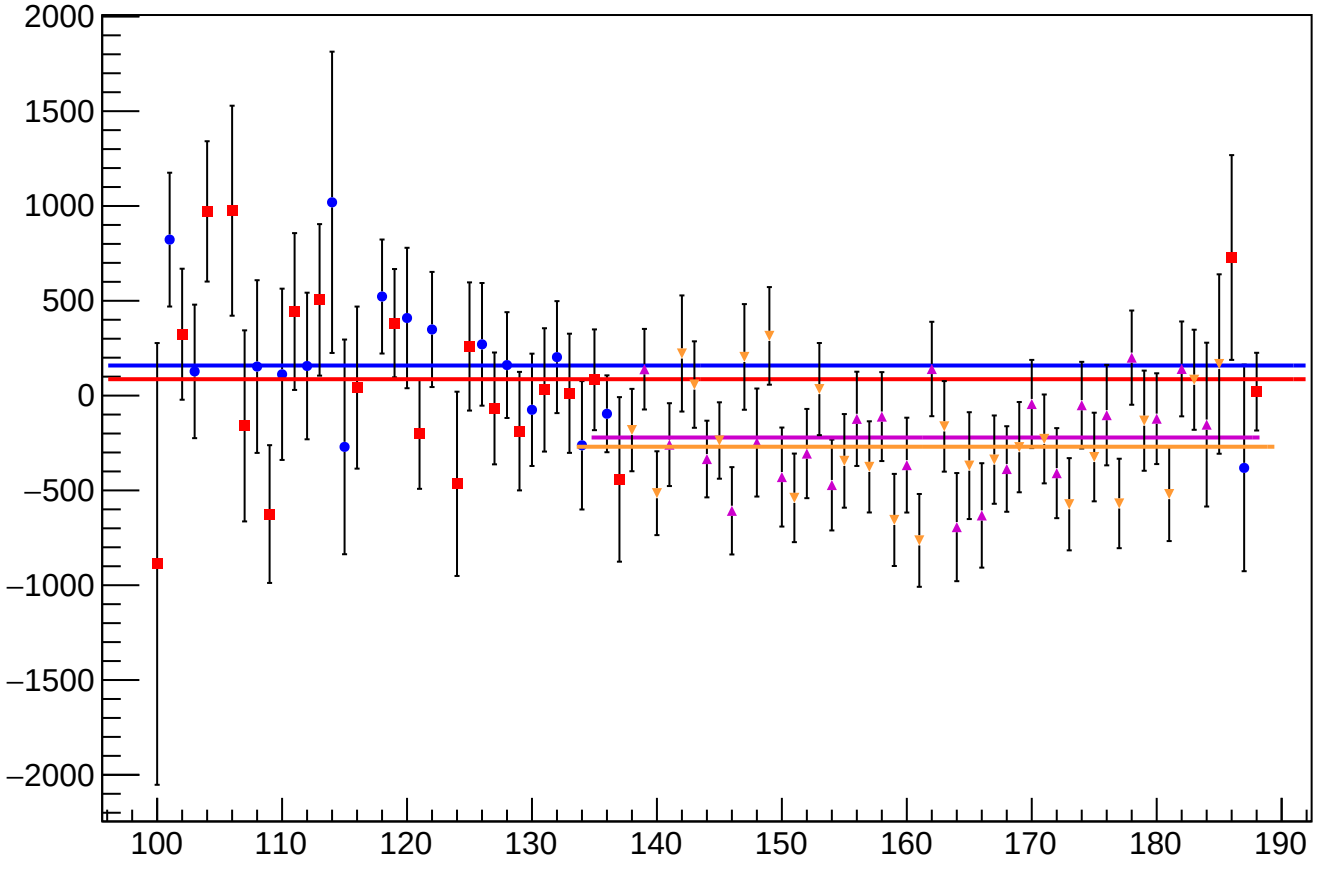
In: -317.166+/-331.307 χ^2/NDF:54.7/39

Out: -548.843+/-322.378 χ^2/NDF:58.6/45

All: -436.168+/-231.048 χ^2/NDF: 113.6/85


asym_sam_26_dd_eigen_cor_correction_rms vs Slug, Sign Corrected
12000
10000
8000
6000
4000
2000
100
110
120
130
140
150
160
170
180
190
Right In: 2243.833+/-0.606 χ²/NDF: 1059899.3/16
Left Out: 1512.365+/-0.245 χ²/NDF:442559.1/24
Right Out: 2487.991+/-0.623 χ²/NDF: 1625706.2/20
Left In: 1527.964+/-0.254 χ²/NDF:373845.3/22
Left: 1519.880+/-0.176 χ²/NDF: 818358.6/47
Right: 2362.426+/-0.434 χ²/NDF: 2764523.9/37
In: 1635.045+/-0.234 χ²/NDF:2621551.1/39
Out: 1642.869+/-0.228 χ²/NDF:4190740.0/45
All: 1639.064+/-0.163 χ²/NDF: 6812864.0/85

dit_asym_sam_26_dd_mean vs Slug, Sign Corrected



Right In: 158.689+/-82.165 χ^2/NDF: 12.5/16

Left Out: -269.678+/-49.158 χ^2/NDF:31.5/24

Right Out: 86.500+/-75.808 χ^2/NDF: 23.1/20

Left In: -220.926+/-50.956 χ^2/NDF:23.4/22

Left: -246.177+/-35.378 χ^2/NDF: 55.3/47

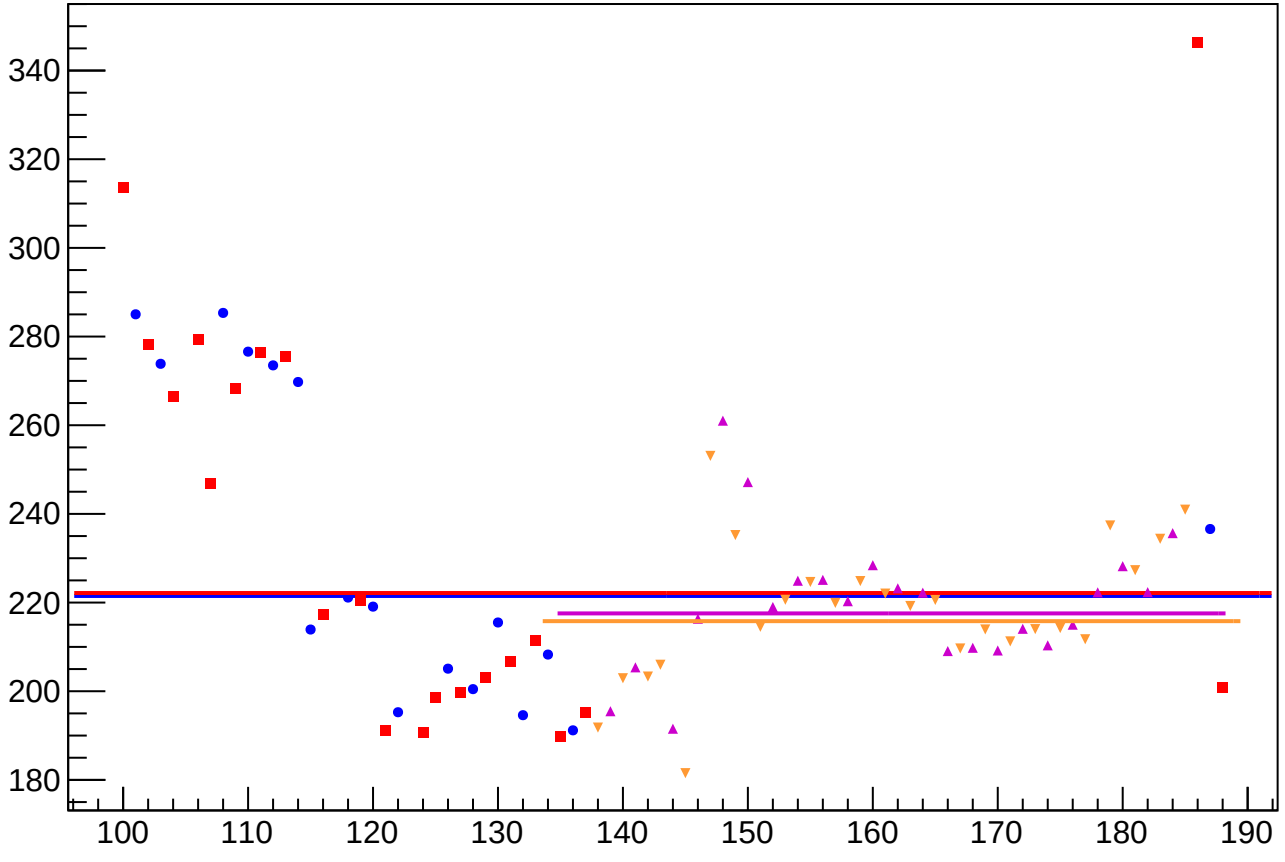
Right: 119.694+/-55.716 χ^2/NDF: 36.0/37

In: -115.481+/-43.304 χ^2/NDF:51.3/39

Out: -164.244+/-41.245 χ^2/NDF:70.2/45

All: -141.049+/-29.866 χ^2/NDF: 122.1/85

dit_asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 221.491+/-0.058 χ^2/NDF: 320274.6/16

Left Out: 215.807+/-0.035 χ^2/NDF:188699.2/24

Right Out: 222.153+/-0.054 χ^2/NDF: 454431.5/20

Left In: 217.555+/-0.036 χ^2/NDF:161066.4/22

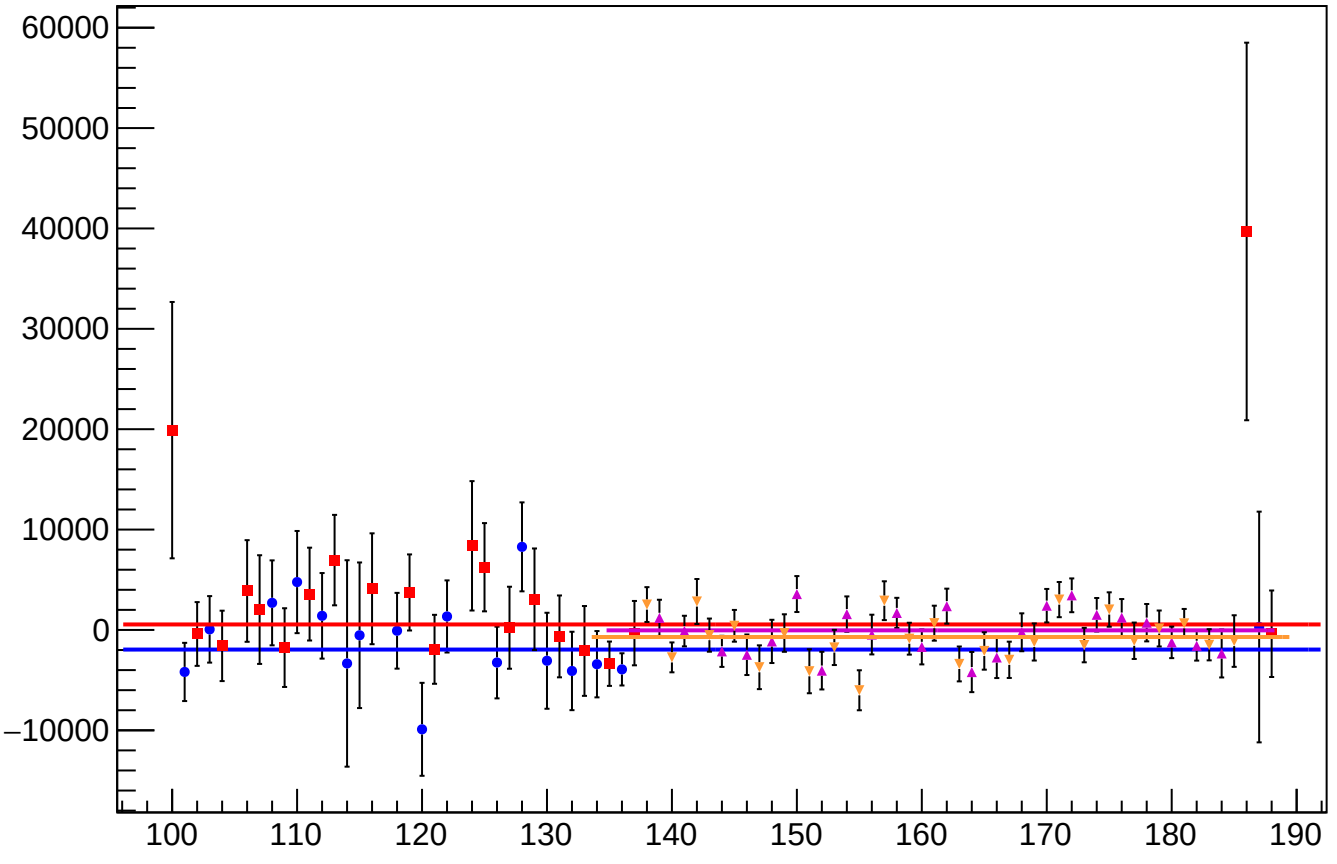
Left: 216.649+/-0.025 χ^2/NDF: 350985.0/47

Right: 221.848+/-0.039 χ^2/NDF: 774776.3/37

In: 218.648+/-0.031 χ^2/NDF:484655.4/39

Out: 217.685+/-0.029 χ^2/NDF:652998.7/45

All: 218.143+/-0.021 χ^2/NDF: 1138172.4/85



Right In: -1954.339+/-874.071 χ^2/NDF: 16.2/16

Left Out: -704.012+/-355.462 χ^2/NDF:37.6/24

Right Out: 548.092+/-893.807 χ^2/NDF: 19.1/20

Left In: -39.658+/-368.873 χ^2/NDF:34.3/22

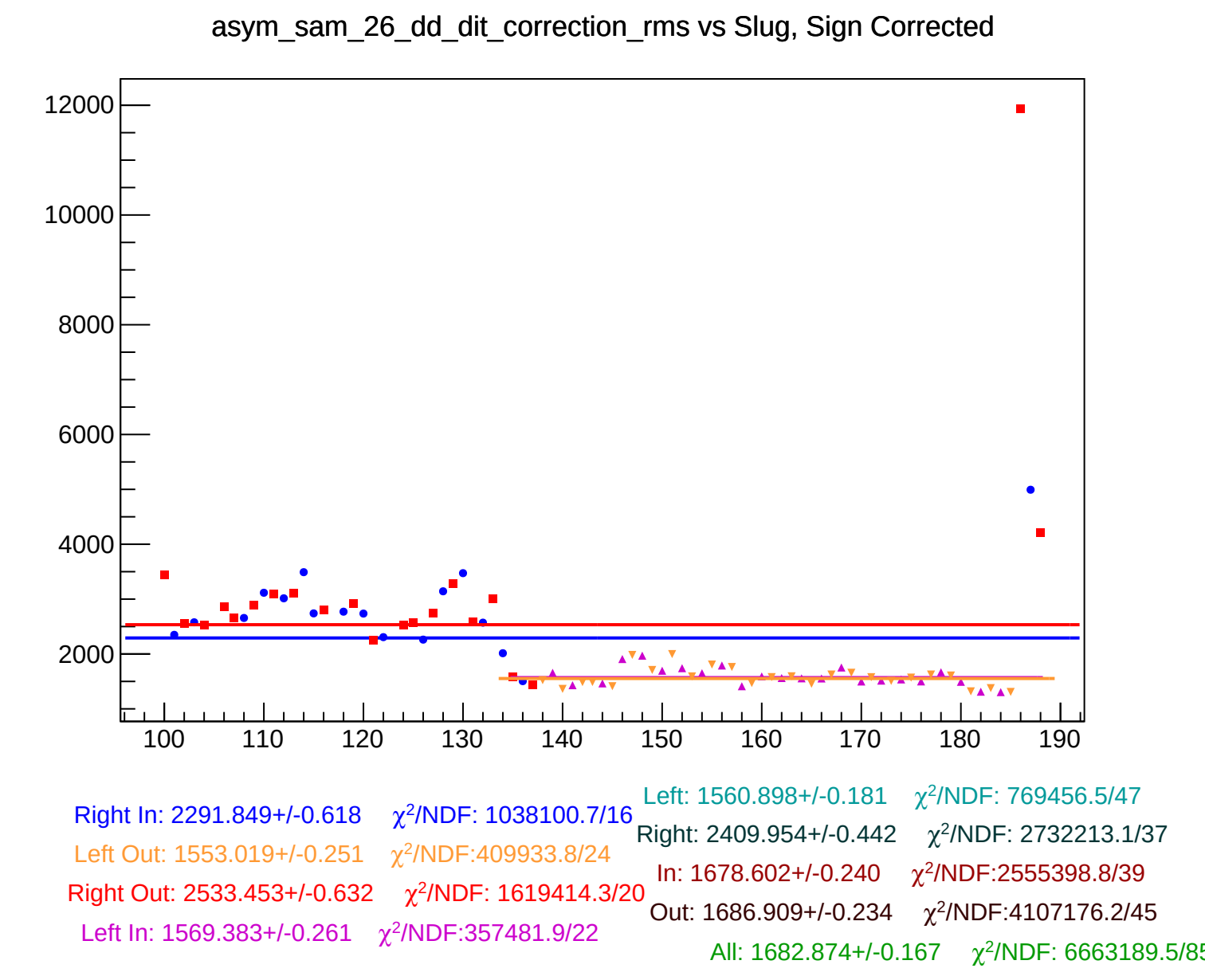
Left: -384.132+/-255.960 χ^2/NDF: 73.6/47

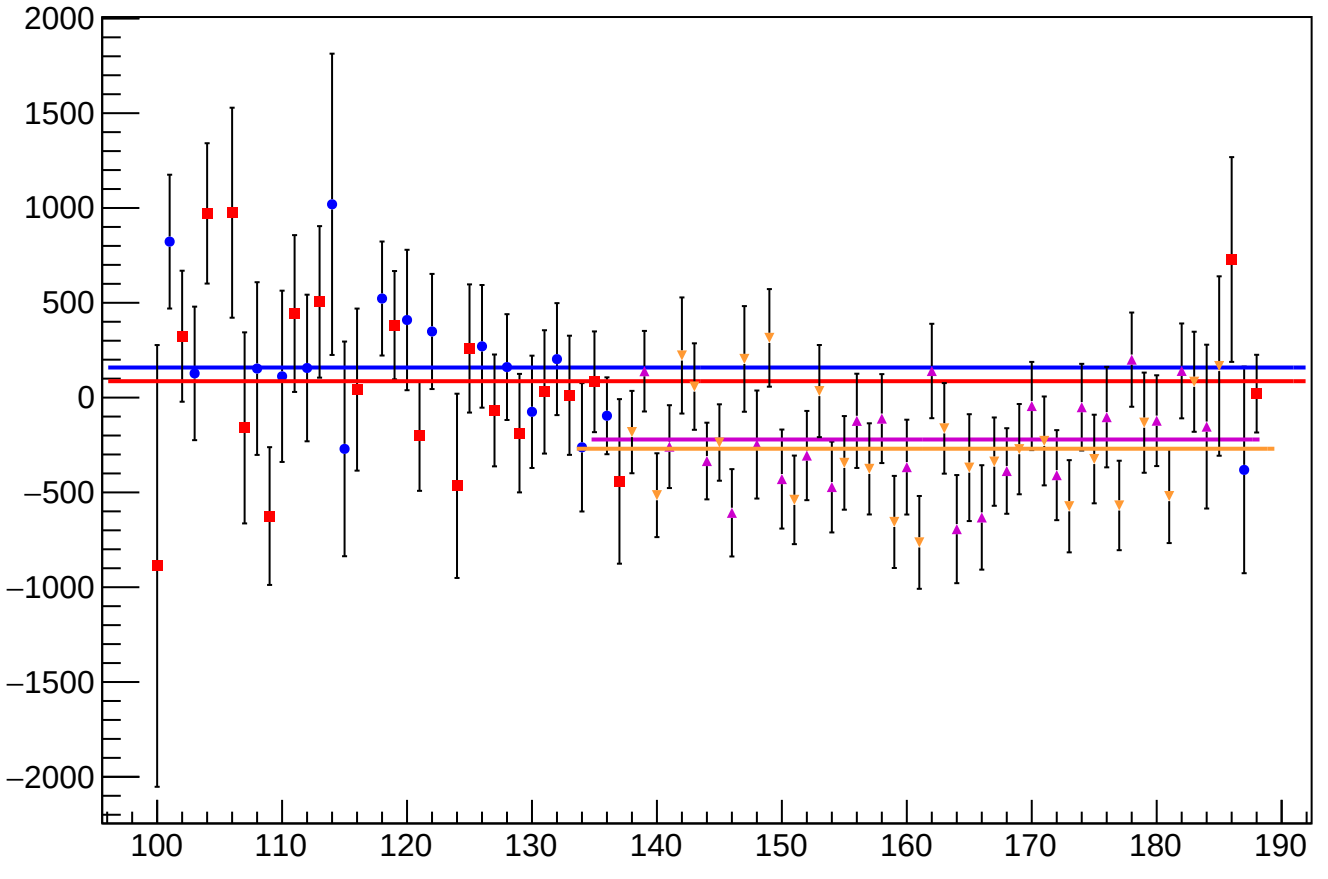
Right: -731.057+/-624.922 χ^2/NDF: 39.3/37

In: -329.110+/-339.849 χ^2/NDF:54.6/39

Out: -533.022+/-330.300 χ^2/NDF:58.5/45

All: -433.971+/-236.861 χ^2/NDF: 113.2/85


asym_sam_26_dd_dit_correction_rms vs Slug, Sign Corrected
12000
10000
8000
6000
4000
2000
100
110
120
130
140
150
160
170
180
190
Right In: 2291.849+/-0.618 χ²/NDF: 1038100.7/16
Left Out: 1553.019+/-0.251 χ²/NDF:409933.8/24
Right Out: 2533.453+/-0.632 χ²/NDF: 1619414.3/20
Left In: 1569.383+/-0.261 χ²/NDF:357481.9/22
Left: 1560.898+/-0.181 χ²/NDF: 769456.5/47
Right: 2409.954+/-0.442 χ²/NDF: 2732213.1/37
In: 1678.602+/-0.240 χ²/NDF:2555398.8/39
Out: 1686.909+/-0.234 χ²/NDF:4107176.2/45
All: 1682.874+/-0.167 χ²/NDF: 6663189.5/85



Right In: 158.690+/-82.165 χ^2/NDF: 12.5/16

Left Out: -269.680+/-49.158 χ^2/NDF:31.5/24

Right Out: 86.499+/-75.808 χ^2/NDF: 23.1/20

Left In: -220.927+/-50.956 χ^2/NDF:23.4/22

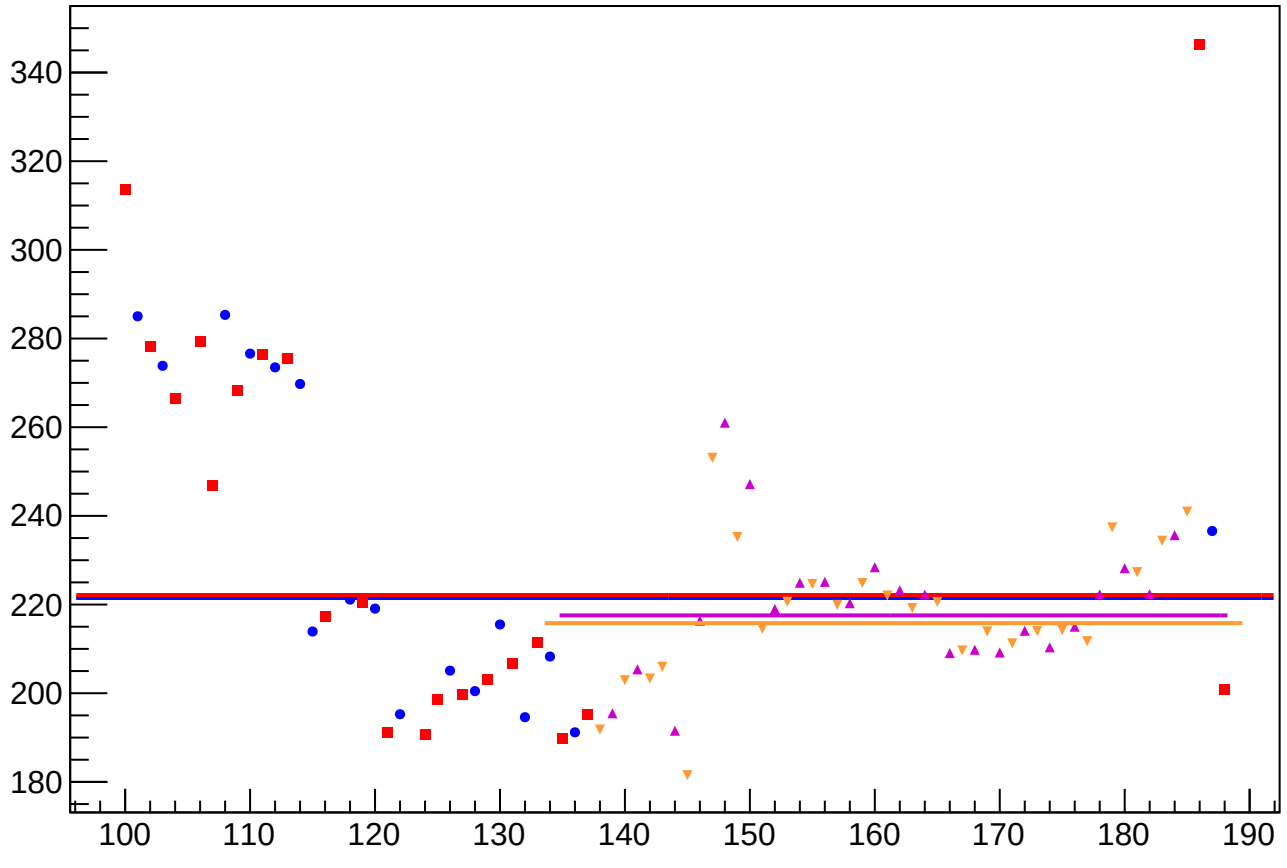
Left: -246.179+/-35.378 χ^2/NDF: 55.3/47

Right: 119.694+/-55.716 χ^2/NDF: 36.0/37

In: -115.480+/-43.304 χ^2/NDF:51.3/39

Out: -164.245+/-41.245 χ^2/NDF:70.2/45

All: -141.050+/-29.866 χ^2/NDF: 122.1/85



Right In: 221.489+/-0.058 χ^2/NDF: 320269.6/16

Left Out: 215.806+/-0.035 χ^2/NDF:188703.4/24

Right Out: 222.152+/-0.054 χ^2/NDF: 454416.2/20

Left In: 217.555+/-0.036 χ^2/NDF:161069.0/22

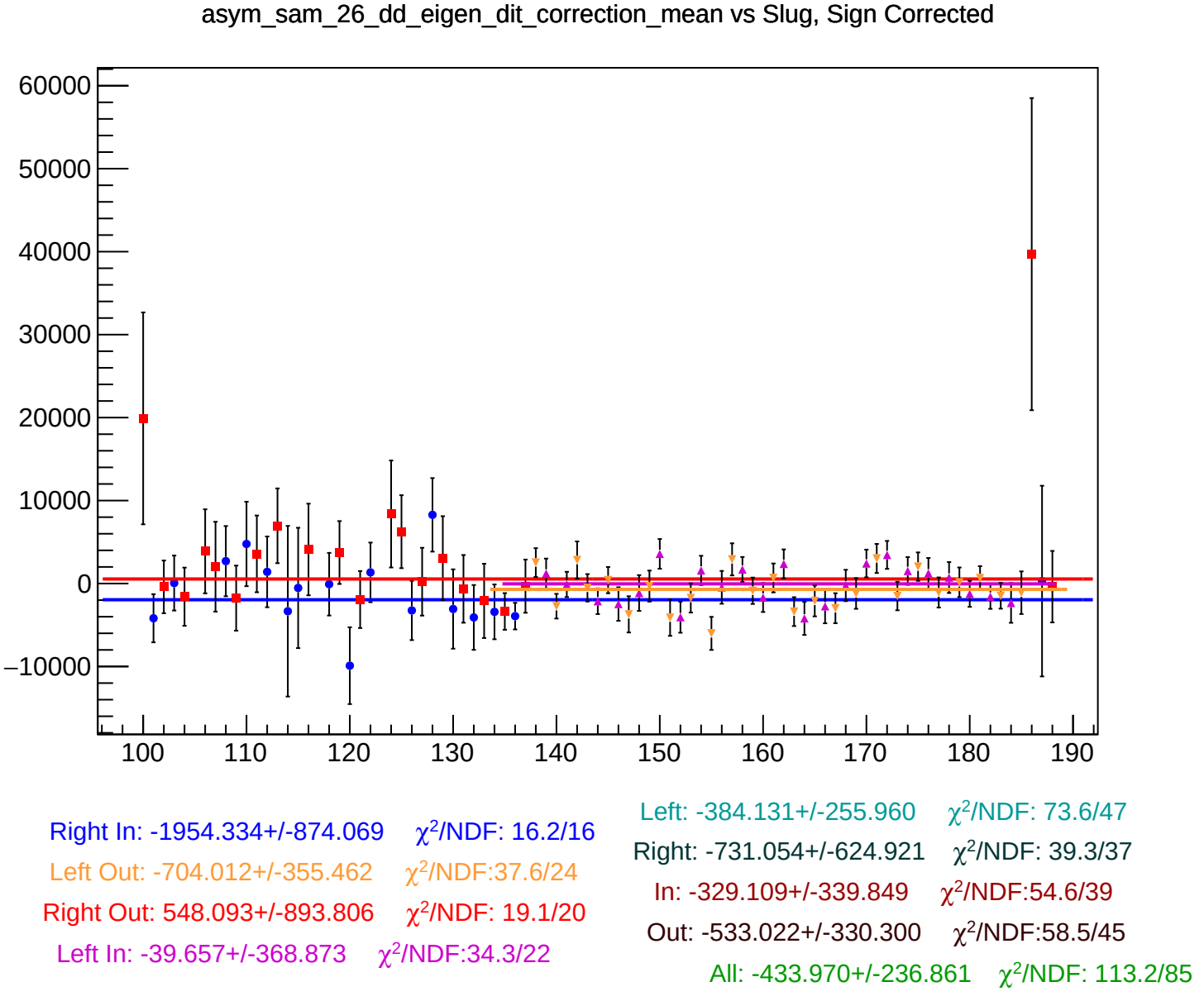
Left: 216.649+/-0.025 χ^2/NDF: 350991.6/47

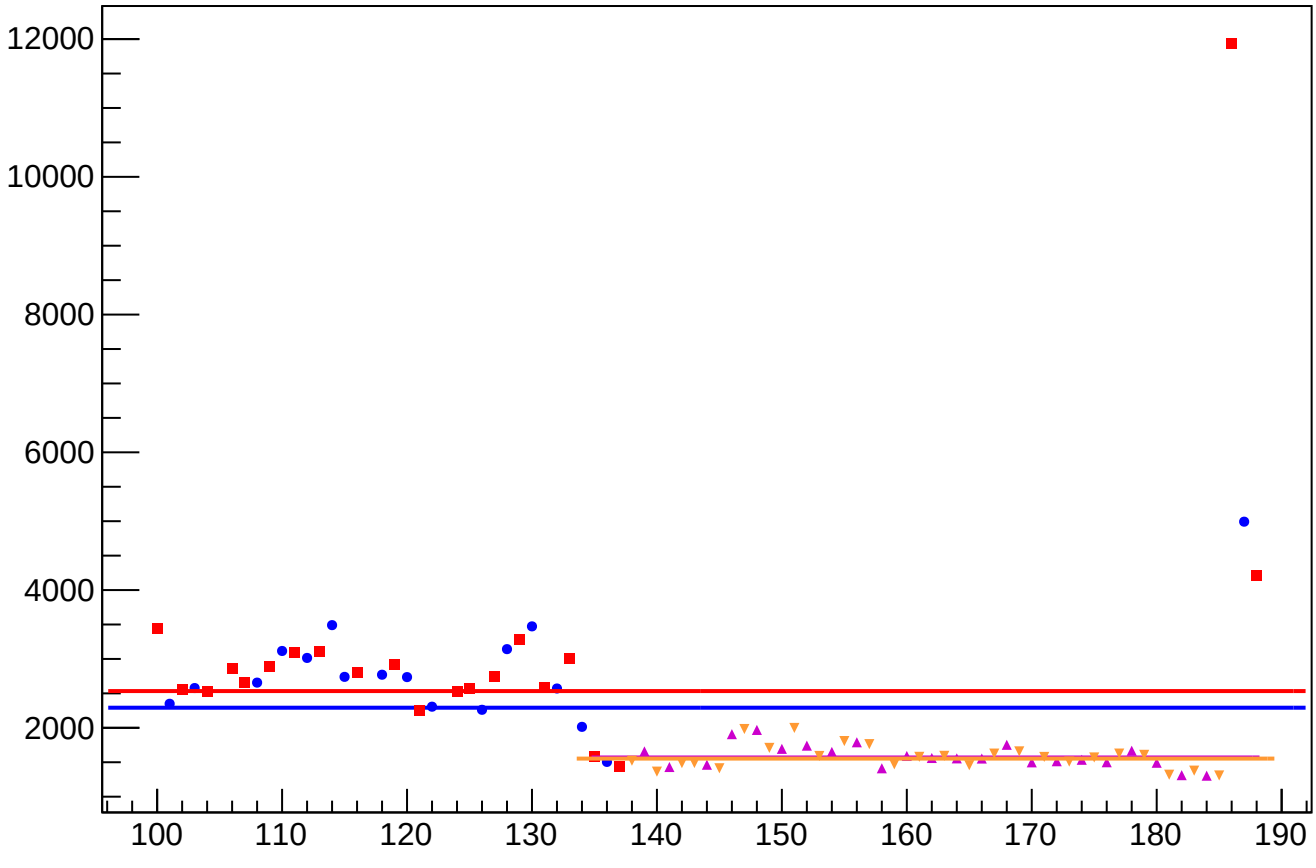
Right: 221.847+/-0.039 χ^2/NDF: 774756.0/37

In: 218.648+/-0.031 χ^2/NDF:484651.3/39

Out: 217.685+/-0.029 χ^2/NDF:652985.3/45

All: 218.143+/-0.021 χ^2/NDF: 1138154.7/85


asym_sam_26_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
60000
50000
40000
30000
20000
10000
0
−10000
100
110
120
130
140
150
160
170
180
190
Right In: -1954.334+/-874.069 χ²/NDF: 16.2/16
Left Out: -704.012+/-355.462 χ²/NDF:37.6/24
Right Out: 548.093+/-893.806 χ²/NDF: 19.1/20
Left In: -39.657+/-368.873 χ²/NDF:34.3/22
Left: -384.131+/-255.960 χ²/NDF: 73.6/47
Right: -731.054+/-624.921 χ²/NDF: 39.3/37
In: -329.109+/-339.849 χ²/NDF:54.6/39
Out: -533.022+/-330.300 χ²/NDF:58.5/45
All: -433.970+/-236.861 χ²/NDF: 113.2/85



Right In: 2291.846+/-0.618 χ^2/NDF: 1038091.2/16

Left Out: 1553.020+/-0.251 χ^2/NDF:409936.6/24

Right Out: 2533.449+/-0.632 χ^2/NDF: 1619409.6/20

Left In: 1569.383+/-0.261 χ^2/NDF:357484.6/22

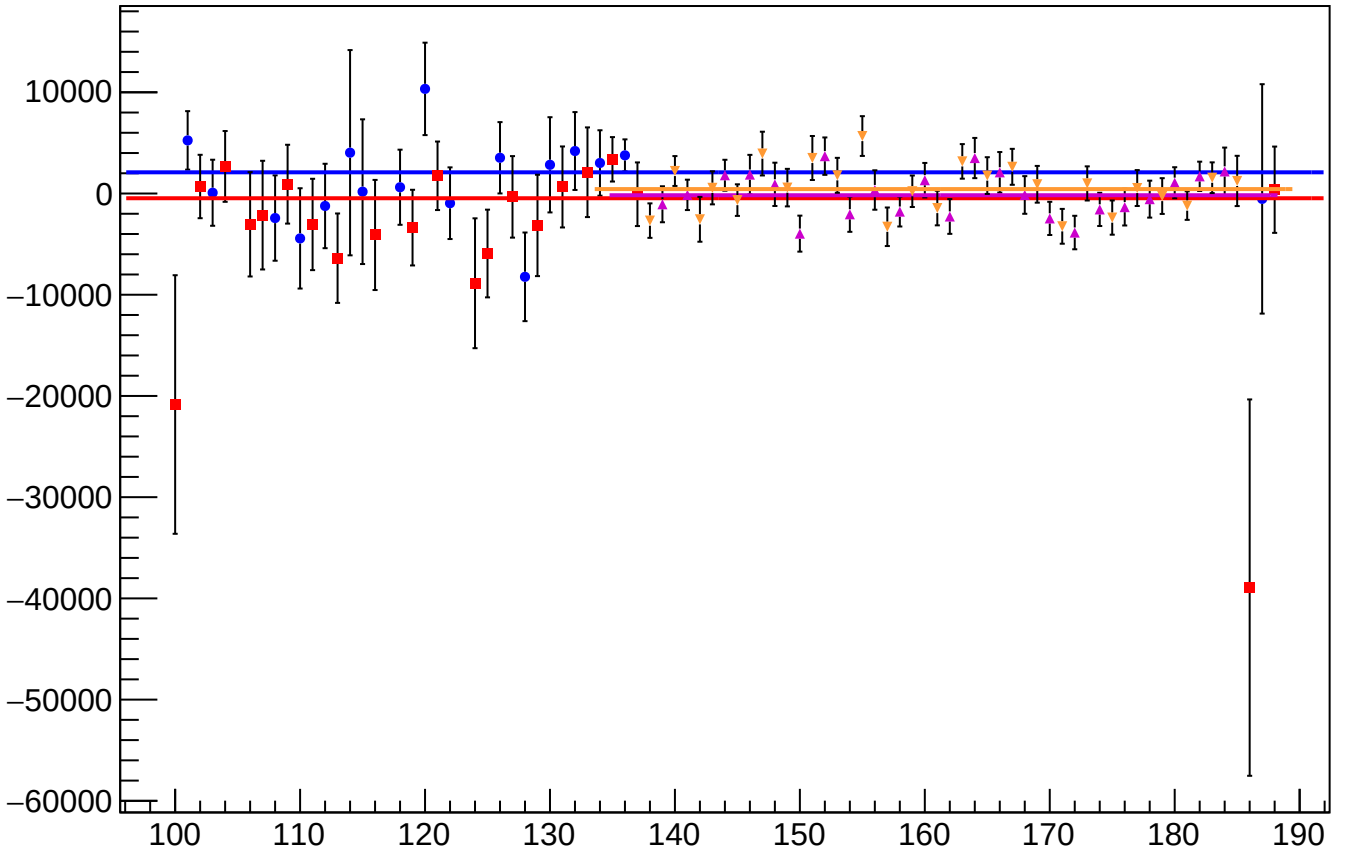
Left: 1560.899+/-0.181 χ^2/NDF: 769461.9/47

Right: 2409.950+/-0.442 χ^2/NDF: 2732198.5/37

In: 1678.602+/-0.240 χ^2/NDF:2555386.1/39

Out: 1686.909+/-0.234 χ^2/NDF:4107162.5/45

All: 1682.874+/-0.167 χ^2/NDF: 6663163.2/85



Right In: 2094.296+/-860.797 χ^2/NDF: 16.7/16

Left Out: 437.522+/-349.581 χ^2/NDF:38.9/24

Right Out: -467.213+/-883.717 χ^2/NDF: 19.0/20

Left In: -169.827+/-362.550 χ^2/NDF:33.0/22

Left: 144.904+/-251.651 χ^2/NDF: 73.3/47

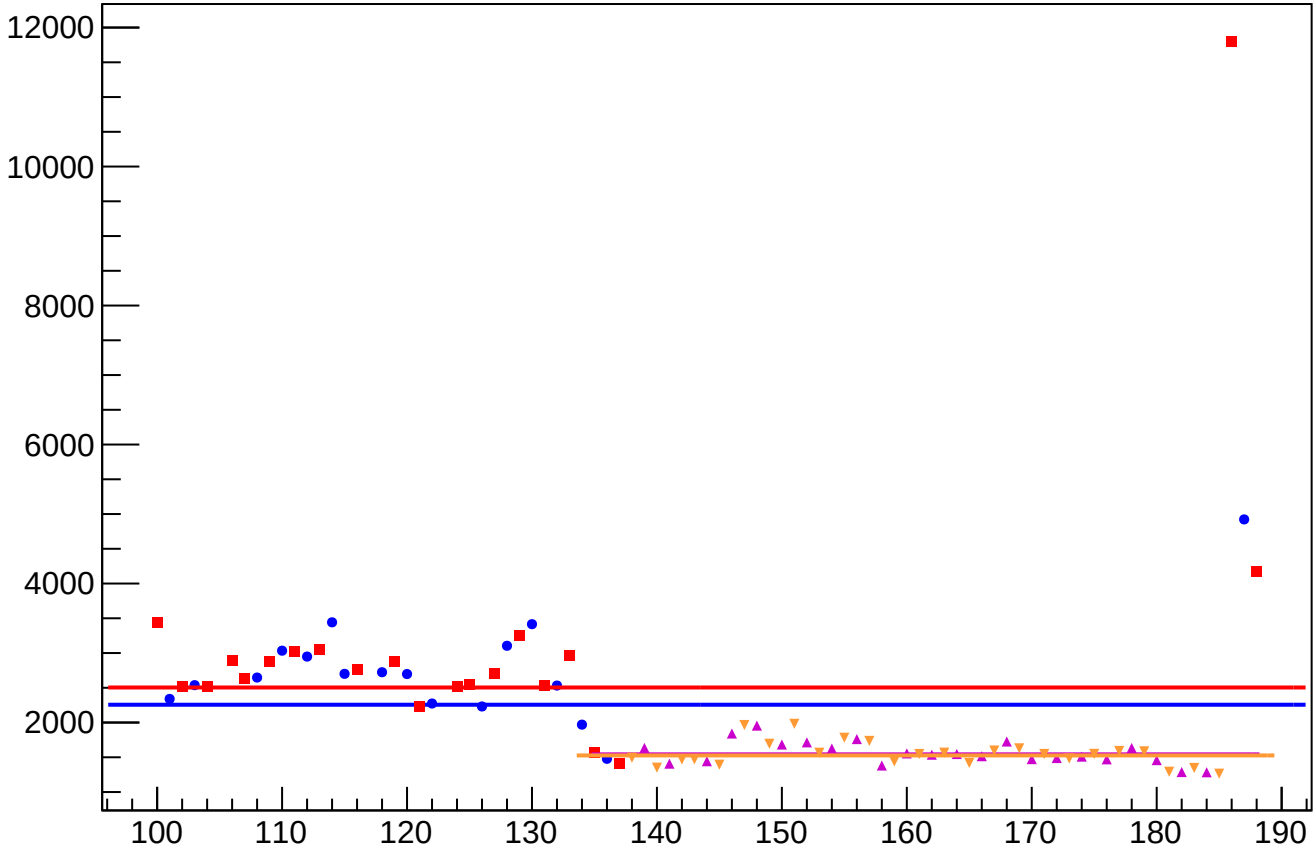
Right: 847.191+/-616.619 χ^2/NDF: 40.0/37

In: 171.298+/-334.124 χ^2/NDF:55.6/39

Out: 315.102+/-325.071 χ^2/NDF:58.7/45

All: 245.175+/-232.995 χ^2/NDF: 114.4/85

asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 2256.101+/-0.609 χ^2/NDF: 1044975.4/16

Left Out: 1526.726+/-0.247 χ^2/NDF:429467.0/24

Right Out: 2504.163+/-0.625 χ^2/NDF: 1617667.7/20

Left In: 1542.262+/-0.256 χ^2/NDF:362291.1/22

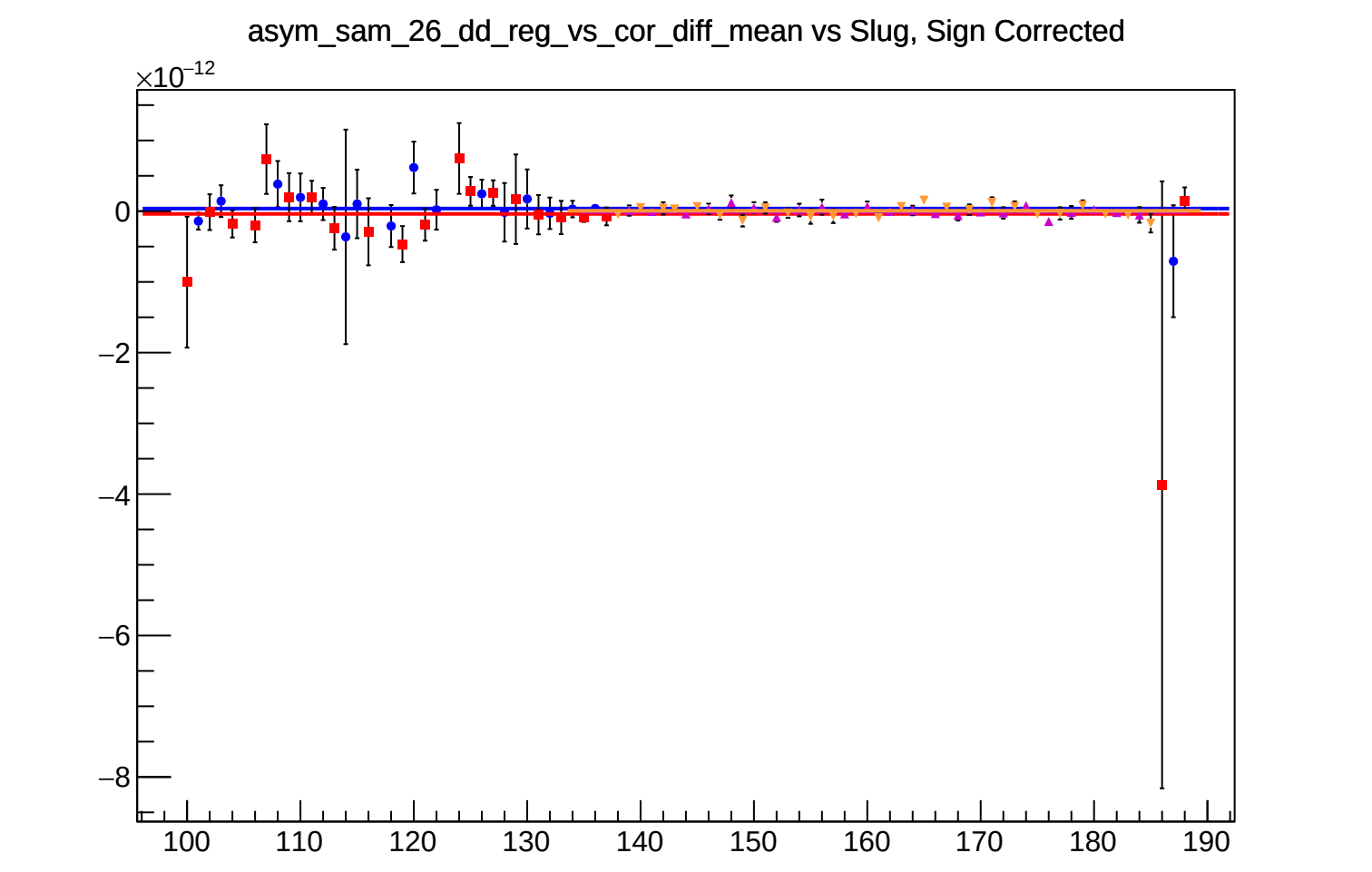
Left: 1534.211+/-0.178 χ^2/NDF: 793661.4/47

Right: 2376.874+/-0.436 χ^2/NDF: 2743507.2/37

In: 1649.813+/-0.236 χ^2/NDF:2575442.4/39

Out: 1658.983+/-0.230 χ^2/NDF:4162772.8/45

All: 1654.524+/-0.165 χ^2/NDF: 6738989.1/85



Right In: 0.000+/-0.000 χ^2/NDF: 9.3/16

Left Out: 0.000+/-0.000 χ^2/NDF:30.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 20.1/20

Left In: -0.000+/-0.000 χ^2/NDF:17.0/22

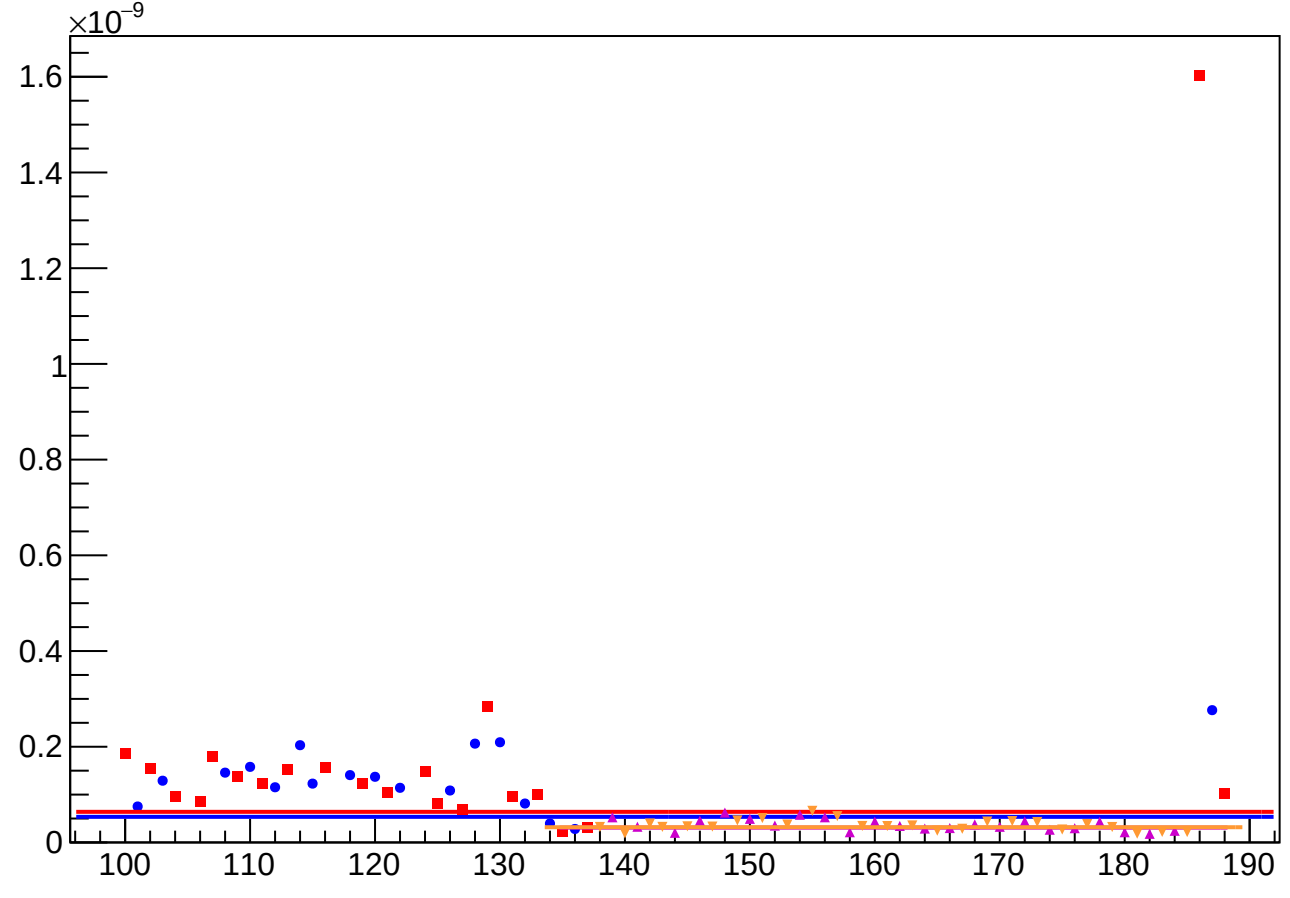
Left: -0.000+/-0.000 χ^2/NDF: 48.6/47

Right: 0.000+/-0.000 χ^2/NDF: 31.2/37

In: -0.000+/-0.000 χ^2/NDF:27.8/39

Out: 0.000+/-0.000 χ^2/NDF:51.9/45

All: -0.000+/-0.000 χ^2/NDF: 79.9/85



Right In: 0.000+/-0.000 χ^2/NDF: 2735683.7/16

Left Out: 0.000+/-0.000 χ^2/NDF:1231140.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2761002.1/20

Left In: 0.000+/-0.000 χ^2/NDF:1593815.4/22

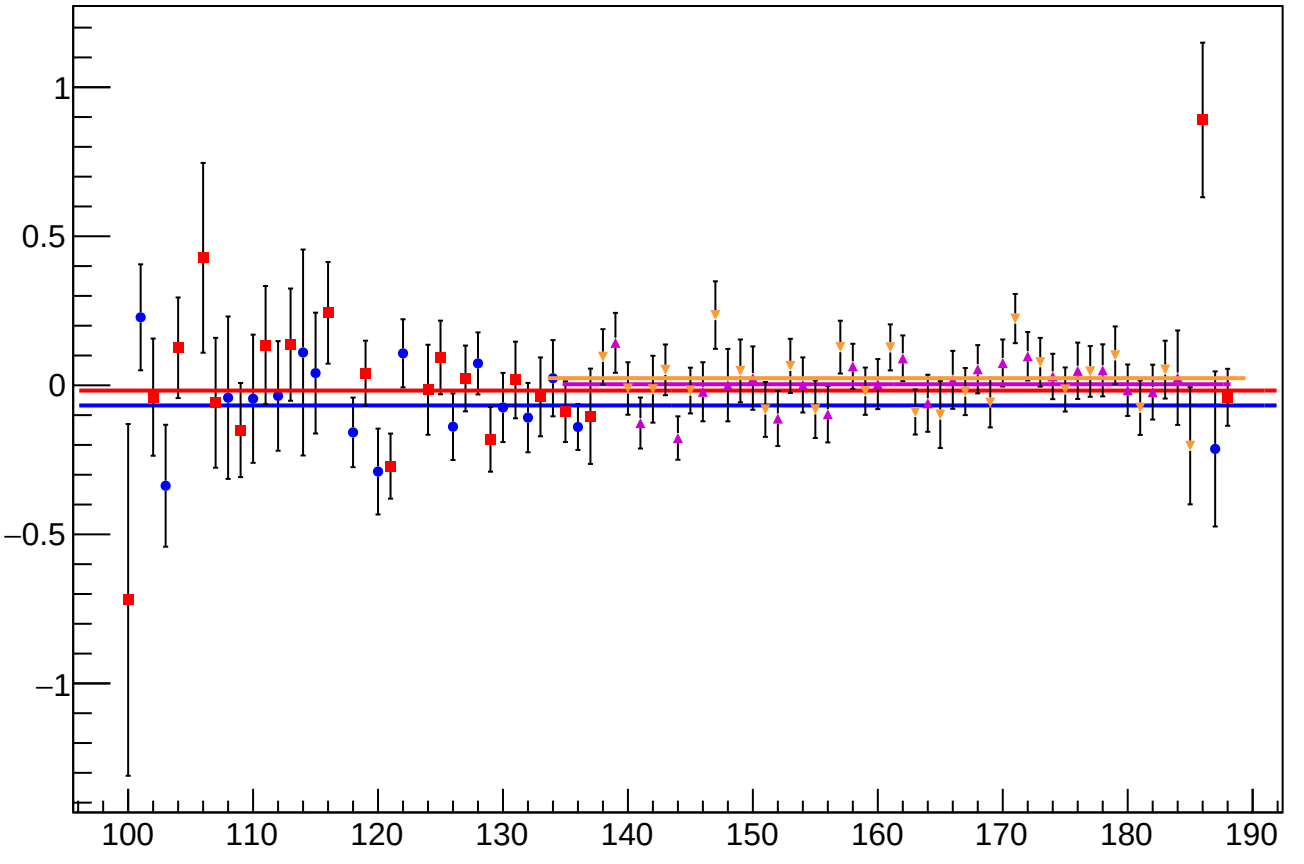
Left: 0.000+/-0.000 χ^2/NDF: 2829280.6/47

Right: 0.000+/-0.000 χ^2/NDF: 5567286.7/37

In: 0.000+/-0.000 χ^2/NDF:5015924.2/39

Out: 0.000+/-0.000 χ^2/NDF:5063386.5/45

All: 0.000+/-0.000 χ^2/NDF: 10084514.7/85



Right In: -0.068+/-0.033 χ^2/NDF: 14.5/16

Left Out: 0.024+/-0.018 χ^2/NDF:25.5/24

Right Out: -0.018+/-0.031 χ^2/NDF: 30.5/20

Left In: 0.004+/-0.019 χ^2/NDF:18.9/22

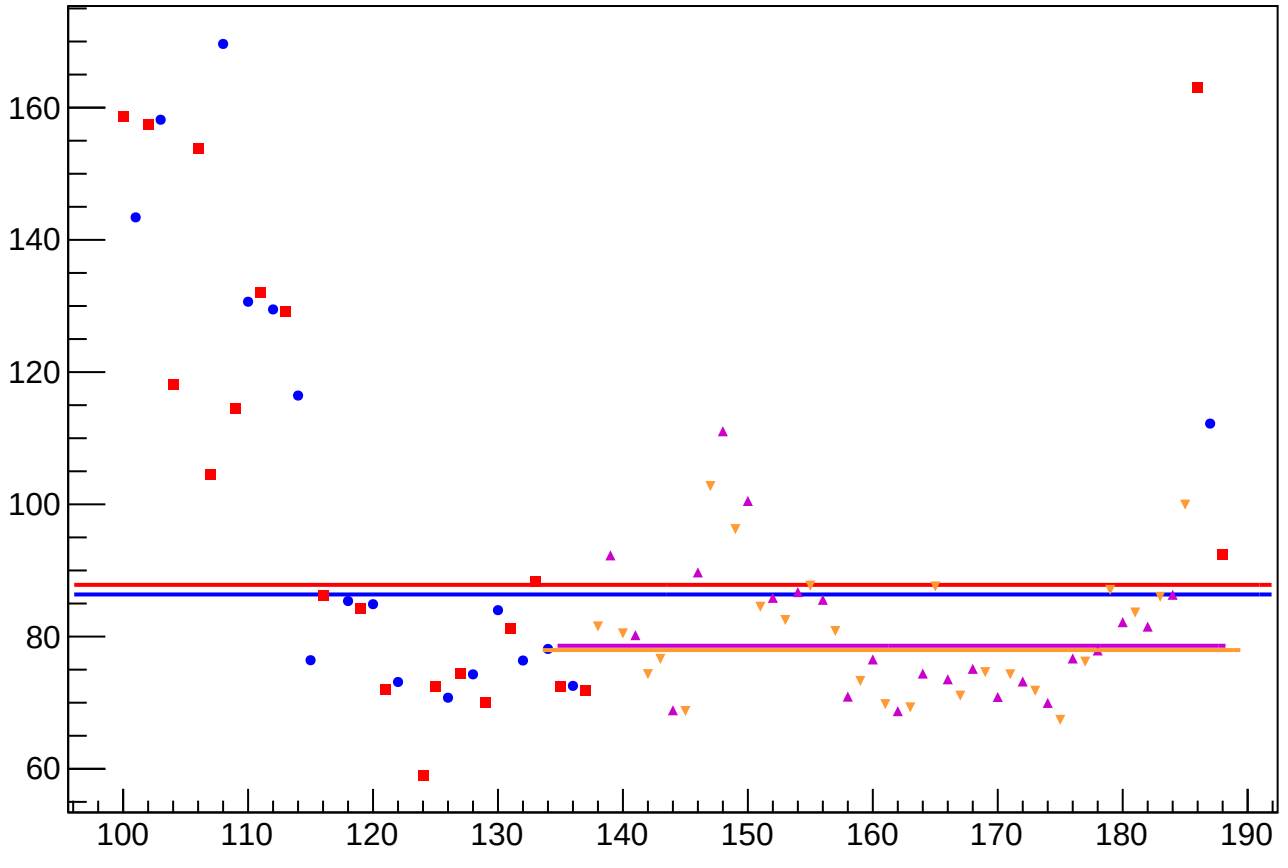
Left: 0.014+/-0.013 χ^2/NDF: 45.0/47

Right: -0.041+/-0.023 χ^2/NDF: 46.2/37

In: -0.013+/-0.016 χ^2/NDF:36.9/39

Out: 0.014+/-0.015 χ^2/NDF:57.4/45

All: 0.001+/-0.011 χ^2/NDF: 95.8/85



Right In: 86.369+/-0.023 χ^2/NDF: 1055064.5/16

Left Out: 77.957+/-0.013 χ^2/NDF:439703.9/24

Right Out: 87.825+/-0.022 χ^2/NDF: 1169508.8/20

Left In: 78.615+/-0.013 χ^2/NDF:497808.4/22

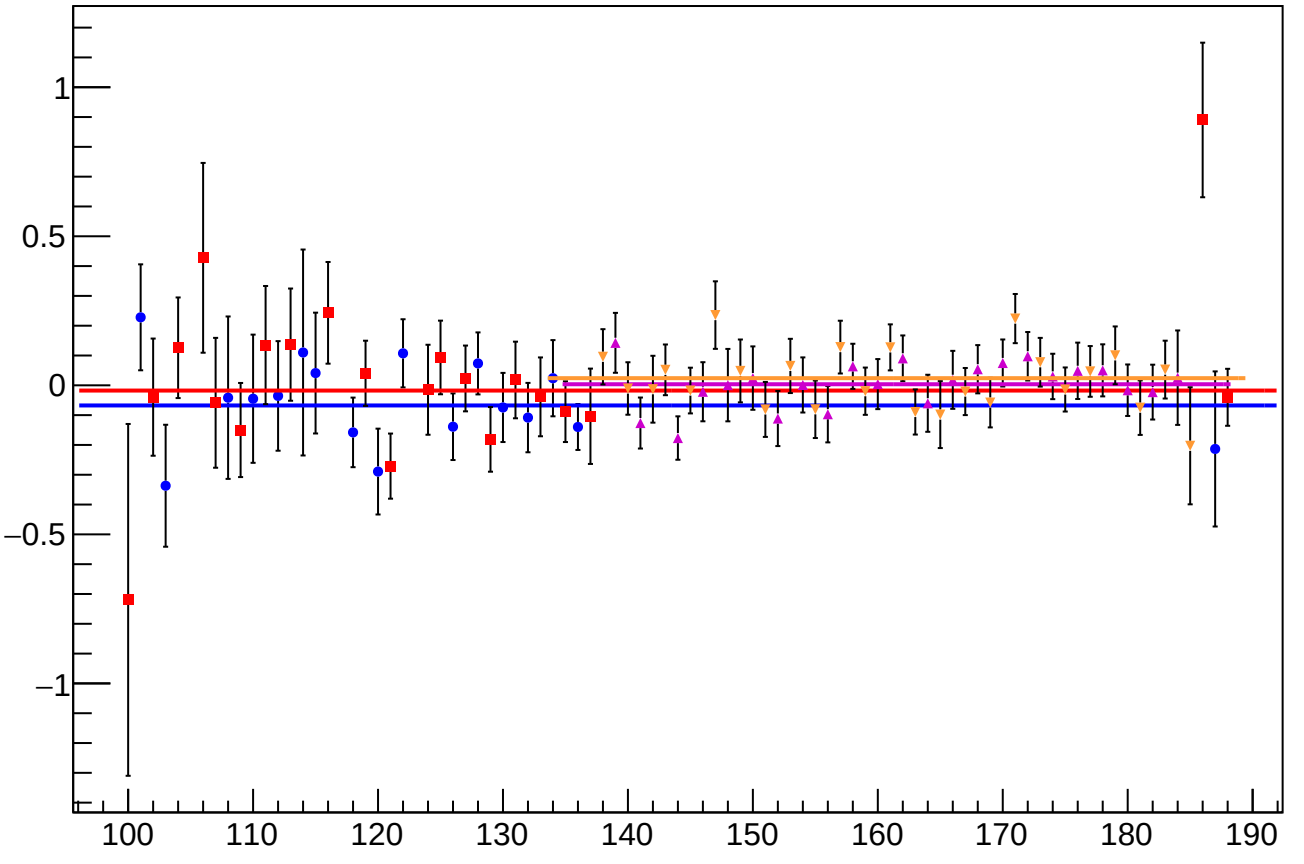
Left: 78.273+/-0.009 χ^2/NDF: 938817.0/47

Right: 87.145+/-0.016 χ^2/NDF: 2226642.9/37

In: 80.476+/-0.011 χ^2/NDF:1636603.6/39

Out: 80.423+/-0.011 χ^2/NDF:1761833.6/45

All: 80.448+/-0.008 χ^2/NDF: 3398448.4/85



Right In: -0.068+/-0.033 χ^2/NDF: 14.5/16

Left Out: 0.024+/-0.018 χ^2/NDF:25.5/24

Right Out: -0.018+/-0.031 χ^2/NDF: 30.5/20

Left In: 0.004+/-0.019 χ^2/NDF:18.9/22

Left: 0.014+/-0.013 χ^2/NDF: 45.0/47

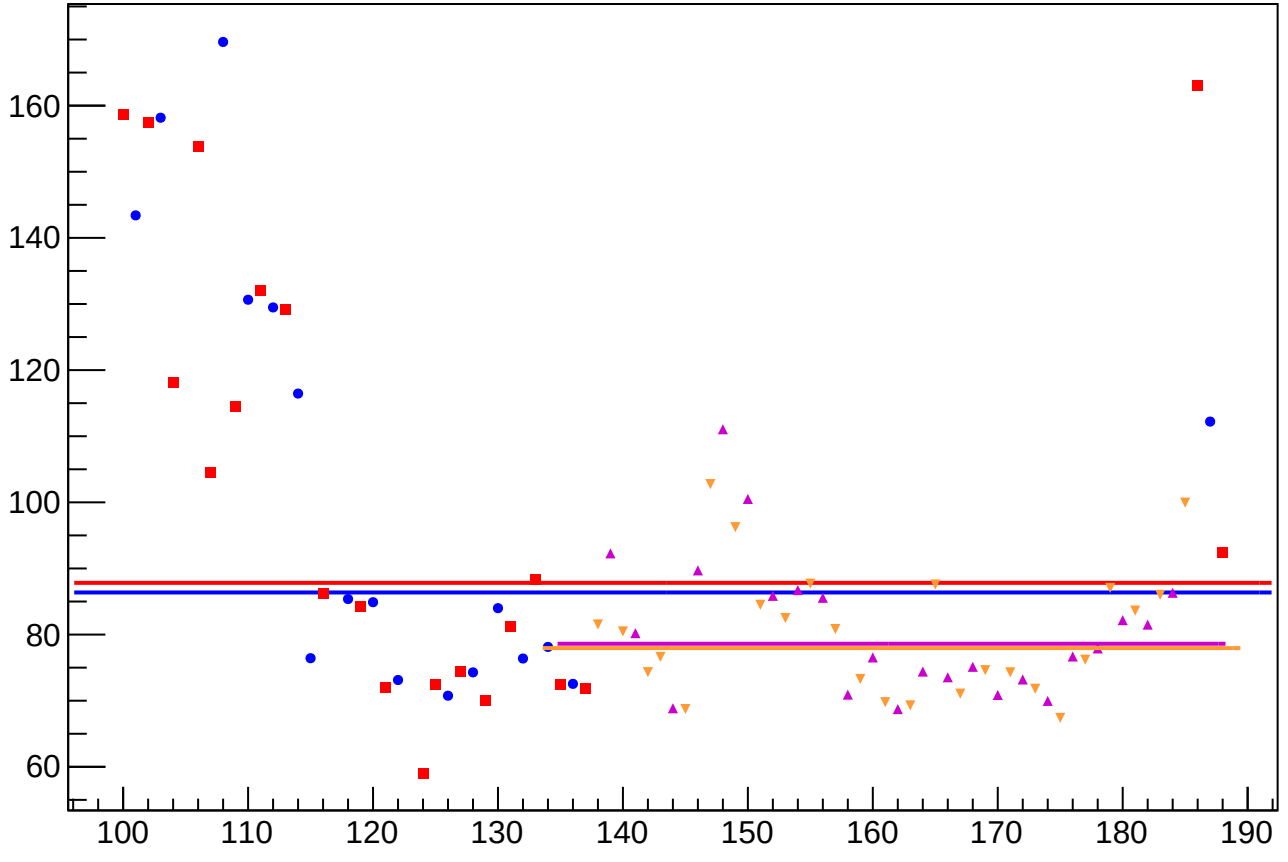
Right: -0.041+/-0.023 χ^2/NDF: 46.2/37

In: -0.013+/-0.016 χ^2/NDF:36.9/39

Out: 0.014+/-0.015 χ^2/NDF:57.4/45

All: 0.001+/-0.011 χ^2/NDF: 95.8/85

asym_sam_26_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 86.369+/-0.023 χ^2/NDF: 1055064.5/16

Left Out: 77.957+/-0.013 χ^2/NDF:439703.9/24

Right Out: 87.825+/-0.022 χ^2/NDF: 1169508.8/20

Left In: 78.615+/-0.013 χ^2/NDF:497808.4/22

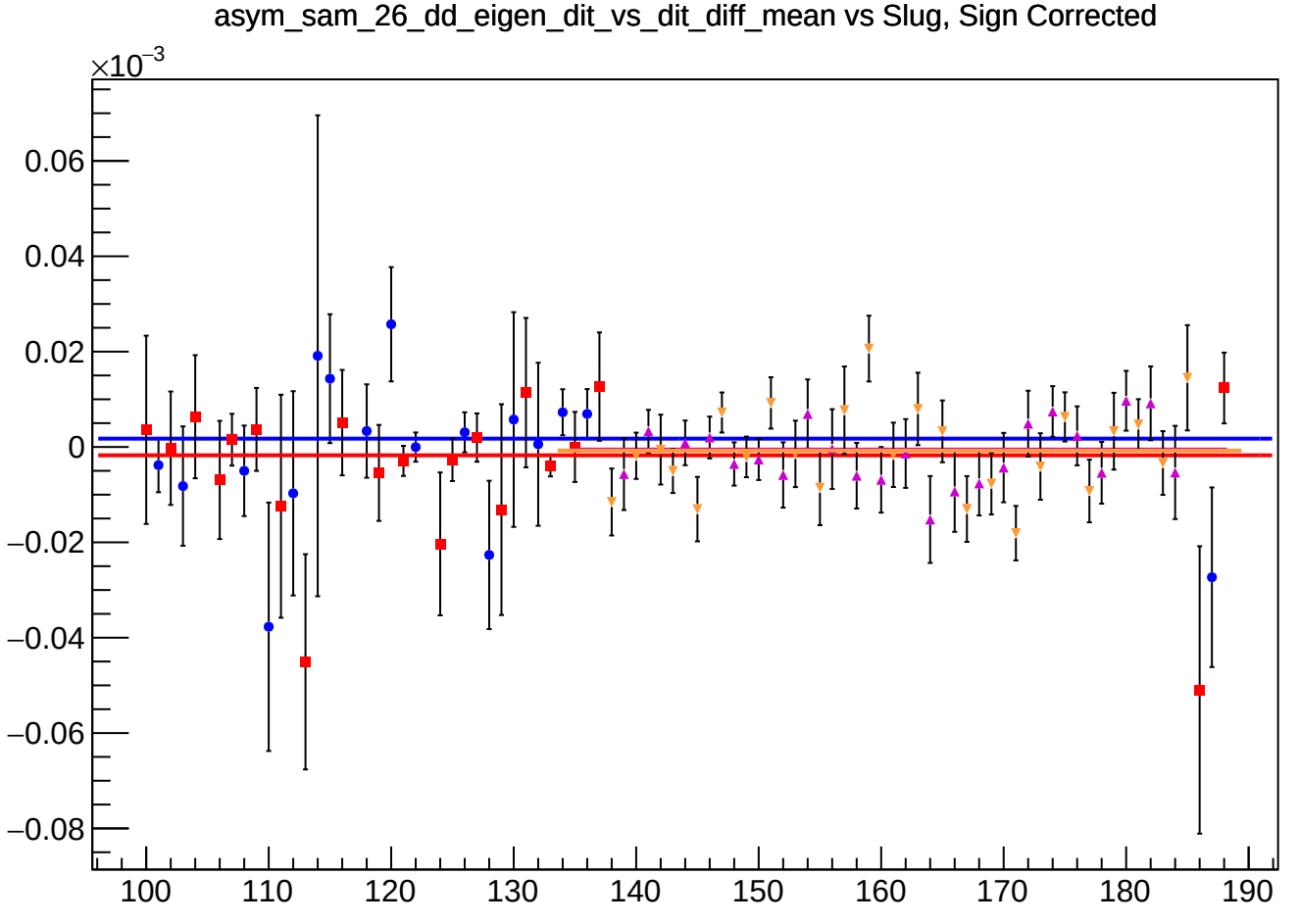
Left: 78.273+/-0.009 χ^2/NDF: 938817.0/47

Right: 87.145+/-0.016 χ^2/NDF: 2226642.9/37

In: 80.476+/-0.011 χ^2/NDF:1636603.6/39

Out: 80.423+/-0.011 χ^2/NDF:1761833.6/45

All: 80.448+/-0.008 χ^2/NDF: 3398448.4/85



Right In: 0.000+/-0.000 χ^2/NDF: 17.3/16

Left Out: -0.000+/-0.000 χ^2/NDF:47.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 17.9/20

Left In: -0.000+/-0.000 χ^2/NDF:18.6/22

Left: -0.000+/-0.000 χ^2/NDF: 66.2/47

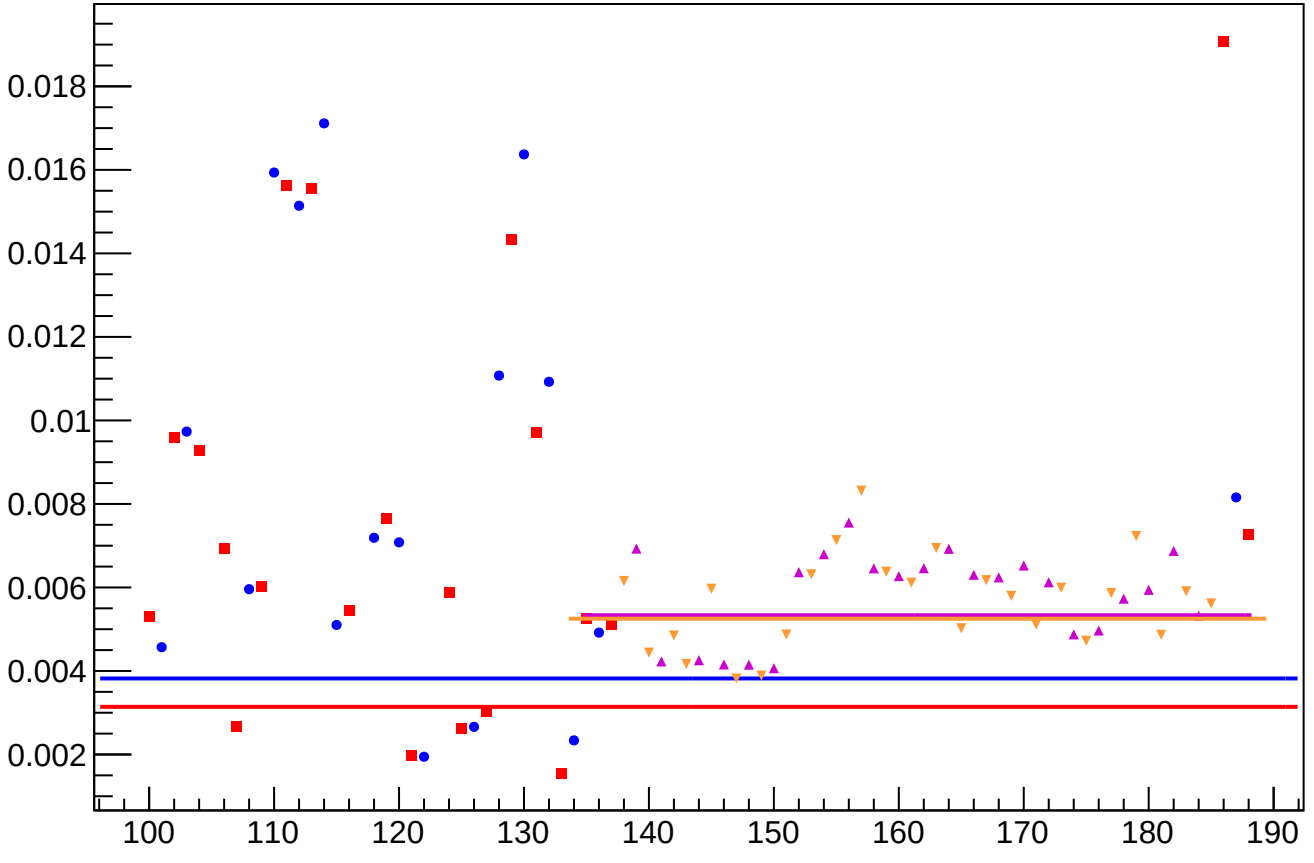
Right: -0.000+/-0.000 χ^2/NDF: 37.7/37

In: 0.000+/-0.000 χ^2/NDF:37.1/39

Out: -0.000+/-0.000 χ^2/NDF:65.7/45

All: -0.000+/-0.000 χ^2/NDF: 103.9/85

asym_sam_26_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 4801178.0/16

Left Out: 0.005+/-0.000 χ^2/NDF:1511867.7/24

Right Out: 0.003+/-0.000 χ^2/NDF: 6756987.2/20

Left In: 0.005+/-0.000 χ^2/NDF:1508187.9/22

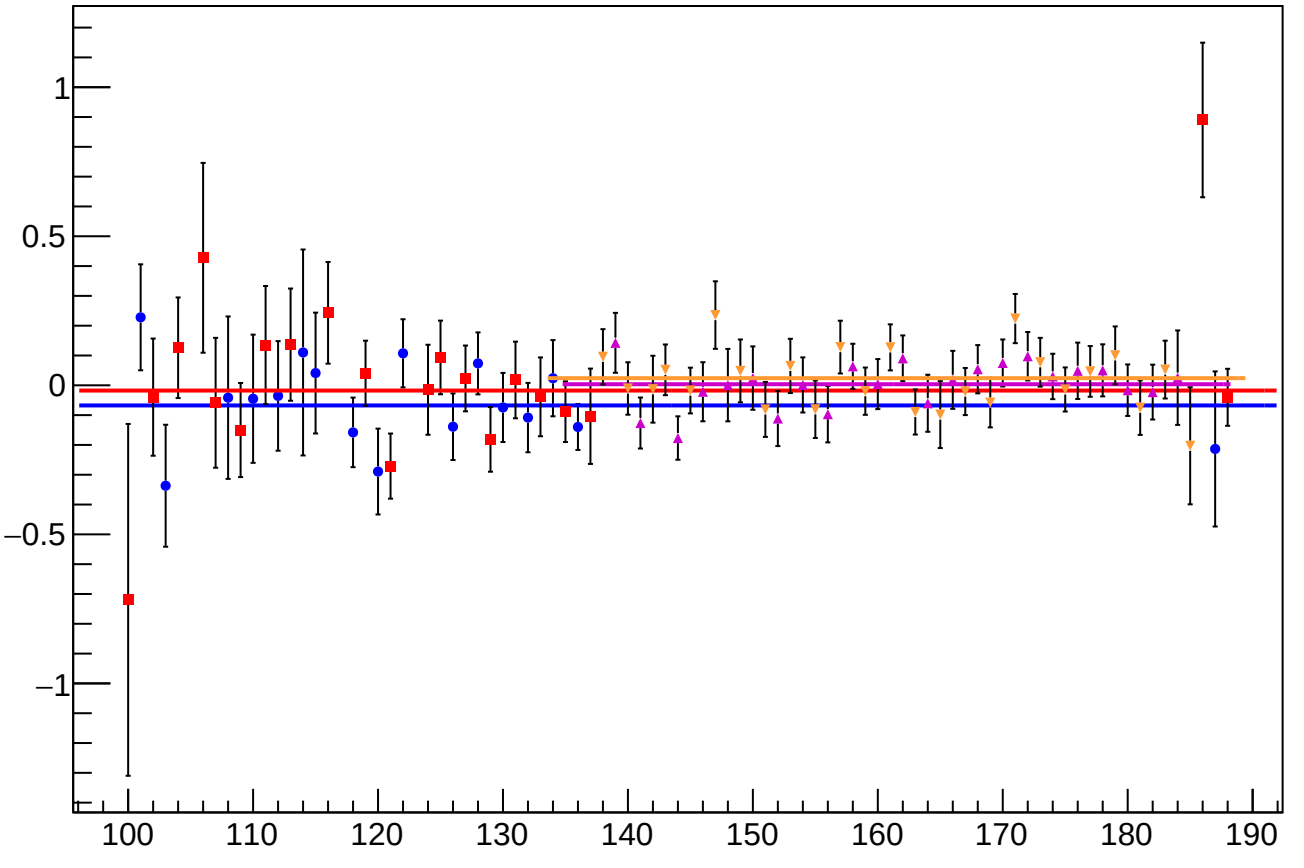
Left: 0.005+/-0.000 χ^2/NDF: 3024442.1/47

Right: 0.003+/-0.000 χ^2/NDF: 11746060.7/37

In: 0.005+/-0.000 χ^2/NDF:7292009.7/39

Out: 0.004+/-0.000 χ^2/NDF:10896227.8/45

All: 0.005+/-0.000 χ^2/NDF: 18433396.6/85



Right In: -0.068+/-0.033 χ^2/NDF: 14.5/16

Left Out: 0.024+/-0.018 χ^2/NDF:25.5/24

Right Out: -0.018+/-0.031 χ^2/NDF: 30.5/20

Left In: 0.004+/-0.019 χ^2/NDF:18.9/22

Left: 0.014+/-0.013 χ^2/NDF: 45.0/47

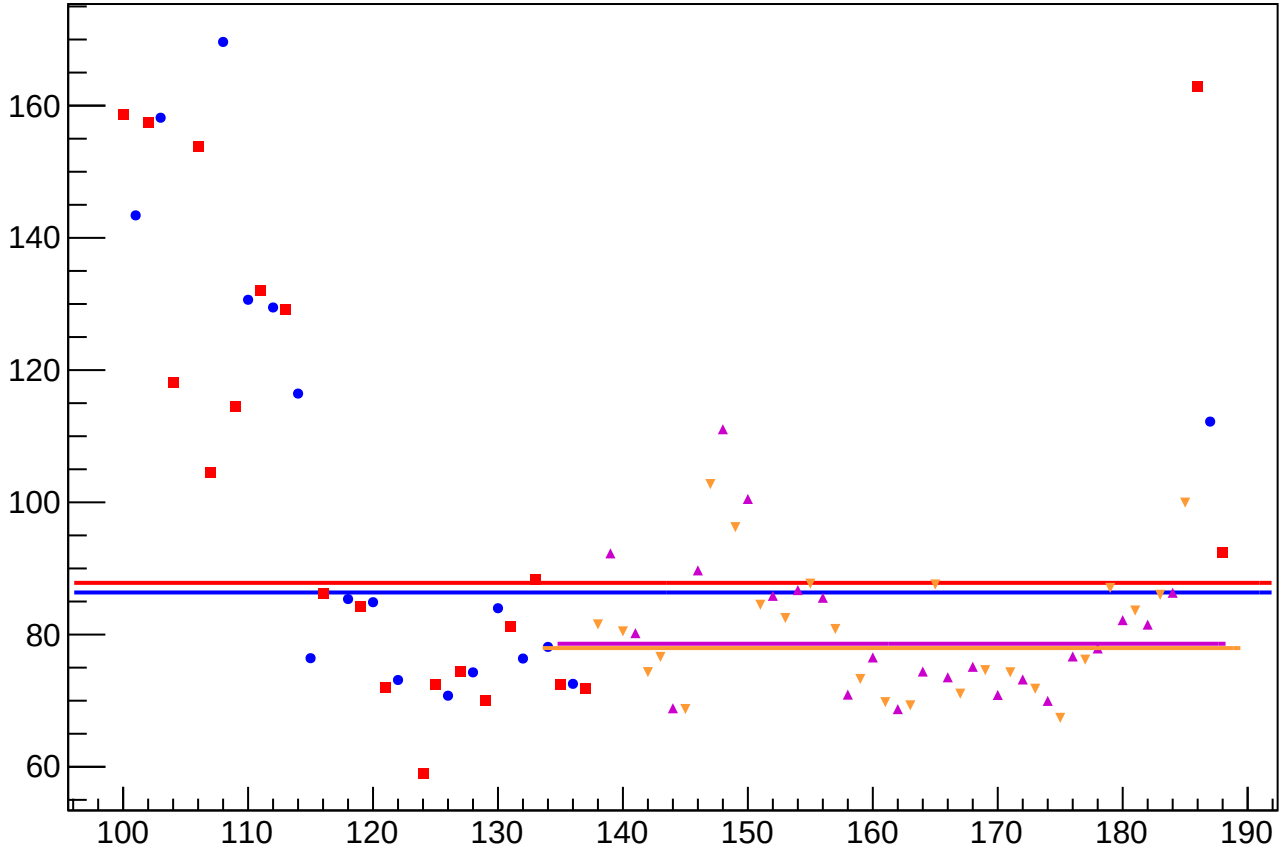
Right: -0.041+/-0.023 χ^2/NDF: 46.2/37

In: -0.013+/-0.016 χ^2/NDF:36.9/39

Out: 0.014+/-0.015 χ^2/NDF:57.4/45

All: 0.001+/-0.011 χ^2/NDF: 95.8/85

asym_sam_26_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 86.367+/-0.023 χ^2/NDF: 1055048.8/16

Left Out: 77.957+/-0.013 χ^2/NDF:439744.9/24

Right Out: 87.823+/-0.022 χ^2/NDF: 1169480.6/20

Left In: 78.614+/-0.013 χ^2/NDF:497846.3/22

Left: 78.273+/-0.009 χ^2/NDF: 938894.7/47

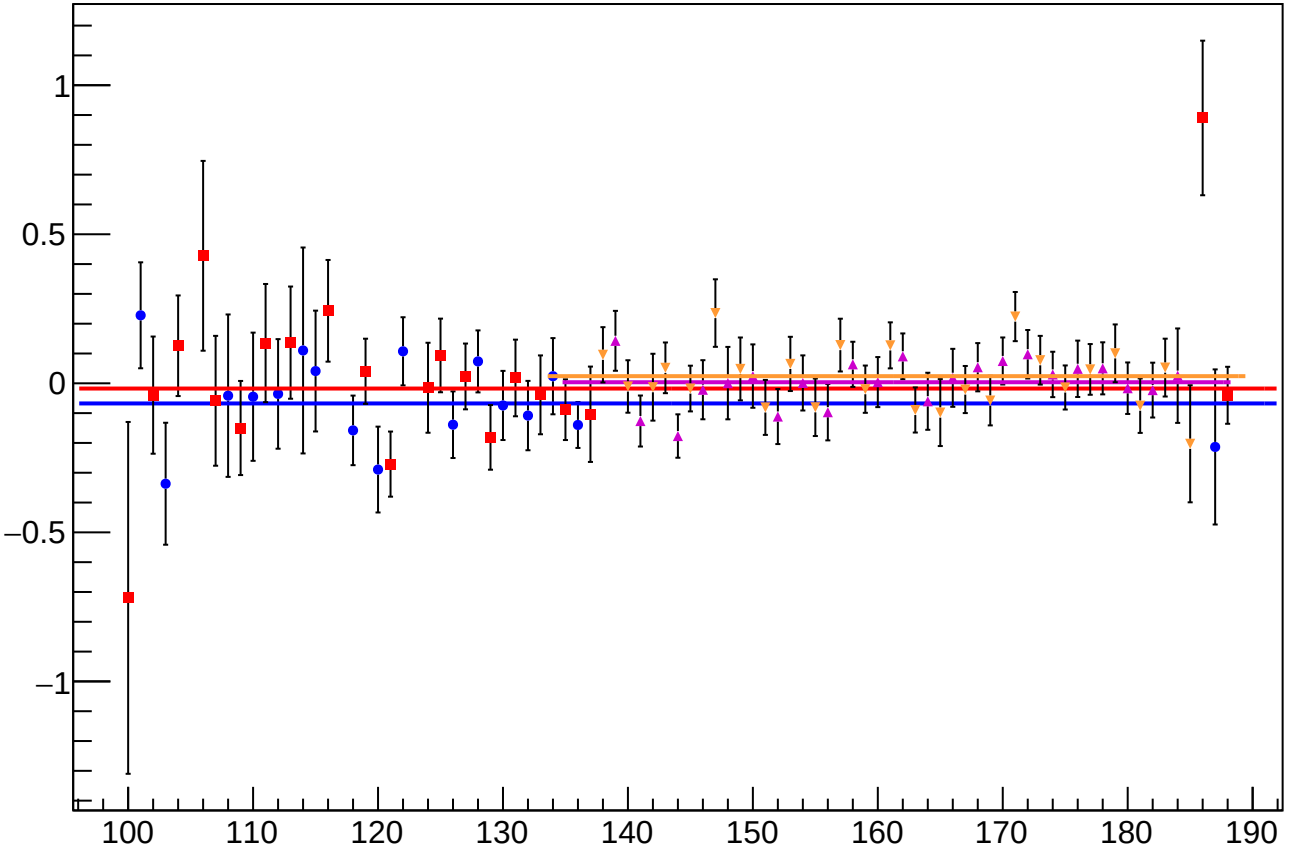
Right: 87.143+/-0.016 χ^2/NDF: 2226600.4/37

In: 80.475+/-0.011 χ^2/NDF:1636591.3/39

Out: 80.422+/-0.011 χ^2/NDF:1761800.7/45

All: 80.447+/-0.008 χ^2/NDF: 3398403.1/85

asym_sam_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.068+/-0.033 χ^2/NDF: 14.5/16

Left Out: 0.024+/-0.018 χ^2/NDF:25.5/24

Right Out: -0.018+/-0.031 χ^2/NDF: 30.5/20

Left In: 0.004+/-0.019 χ^2/NDF:18.9/22

Left: 0.014+/-0.013 χ^2/NDF: 45.0/47

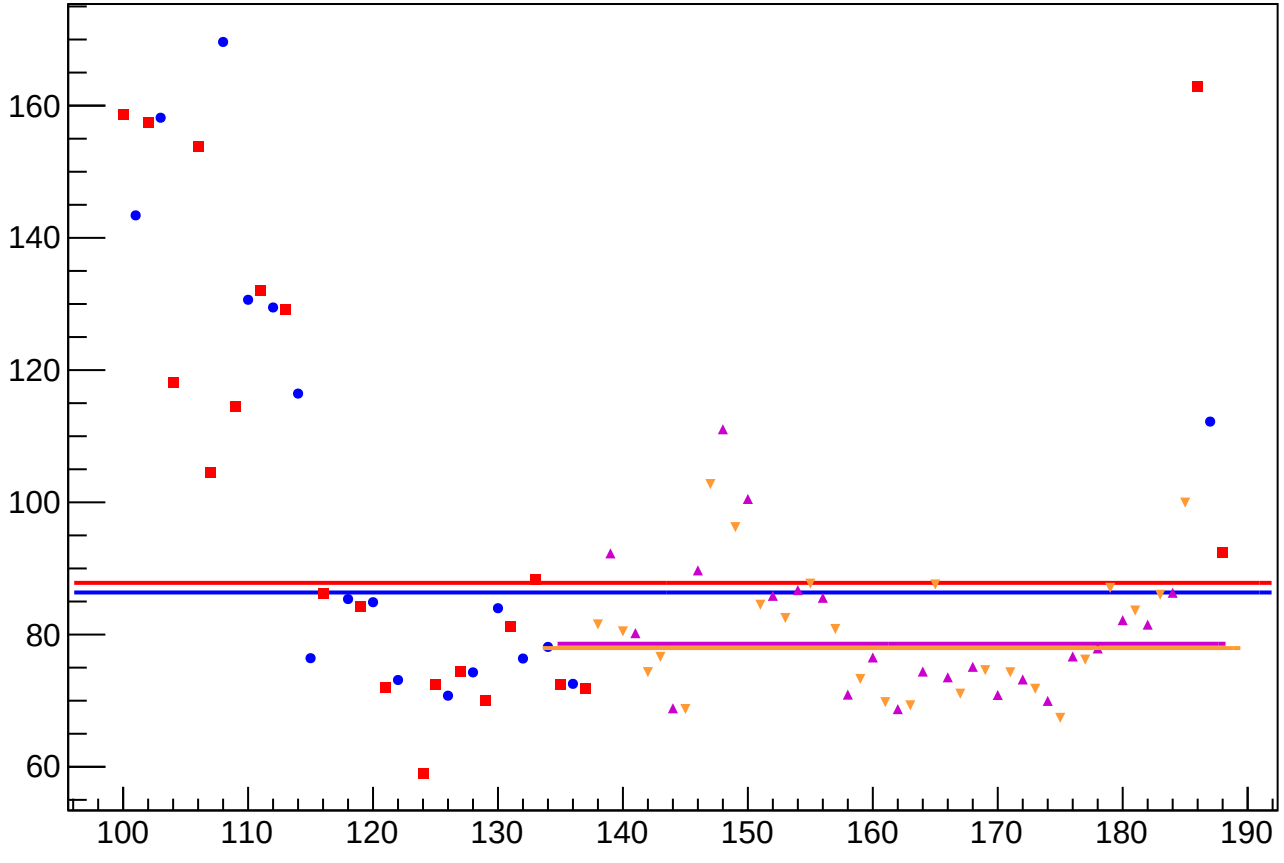
Right: -0.041+/-0.023 χ^2/NDF: 46.2/37

In: -0.013+/-0.016 χ^2/NDF:36.9/39

Out: 0.014+/-0.015 χ^2/NDF:57.4/45

All: 0.001+/-0.011 χ^2/NDF: 95.8/85

asym_sam_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 86.367+/-0.023 χ^2/NDF: 1055048.8/16

Left Out: 77.957+/-0.013 χ^2/NDF:439744.9/24

Right Out: 87.823+/-0.022 χ^2/NDF: 1169480.6/20

Left In: 78.614+/-0.013 χ^2/NDF:497846.3/22

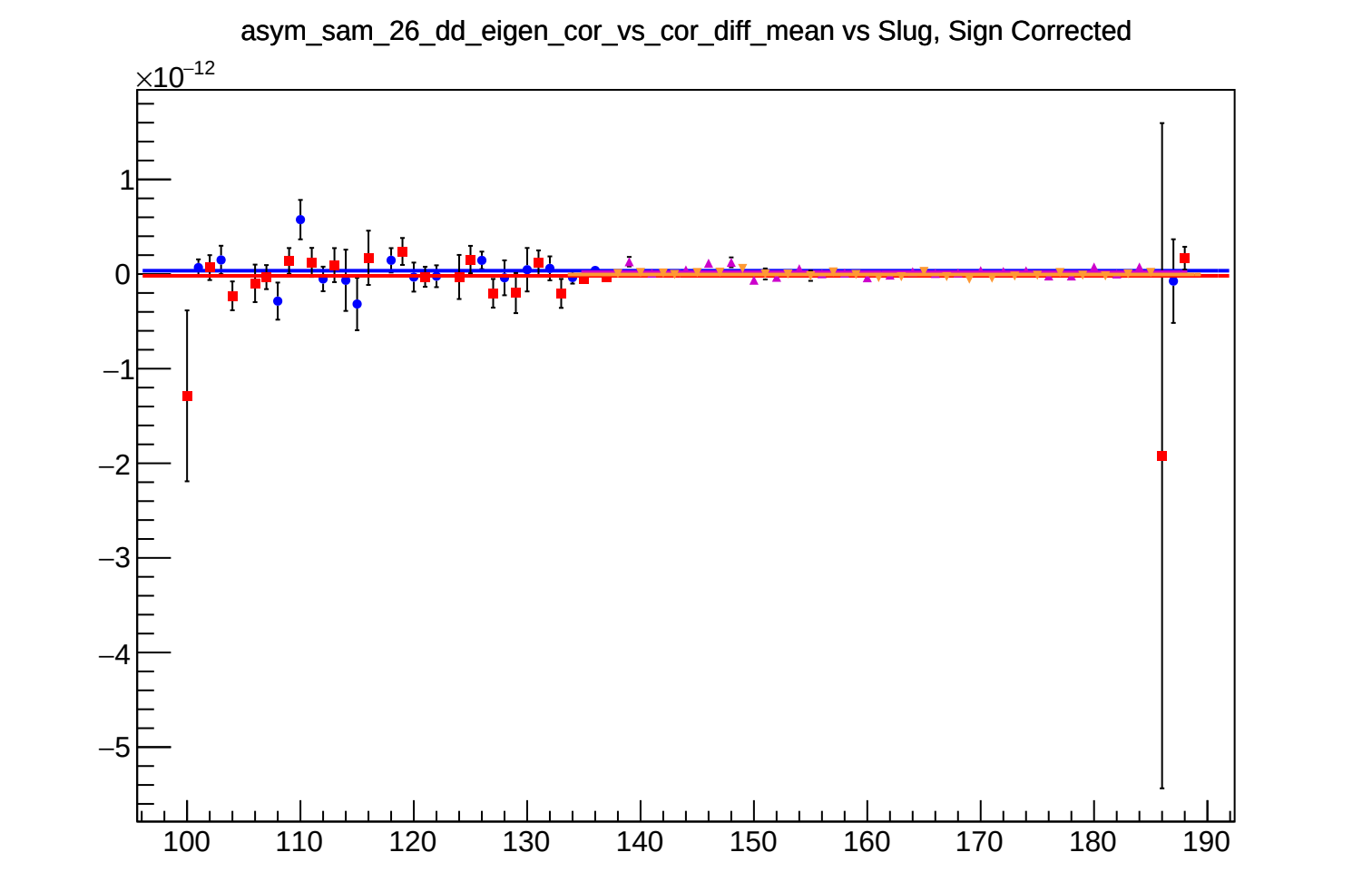
Left: 78.273+/-0.009 χ^2/NDF: 938894.7/47

Right: 87.143+/-0.016 χ^2/NDF: 2226600.4/37

In: 80.475+/-0.011 χ^2/NDF:1636591.3/39

Out: 80.422+/-0.011 χ^2/NDF:1761800.7/45

All: 80.447+/-0.008 χ^2/NDF: 3398403.1/85



Right In: 0.000+/-0.000 χ^2/NDF: 16.4/16

Left Out: -0.000+/-0.000 χ^2/NDF:13.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 20.6/20

Left In: 0.000+/-0.000 χ^2/NDF:40.1/22

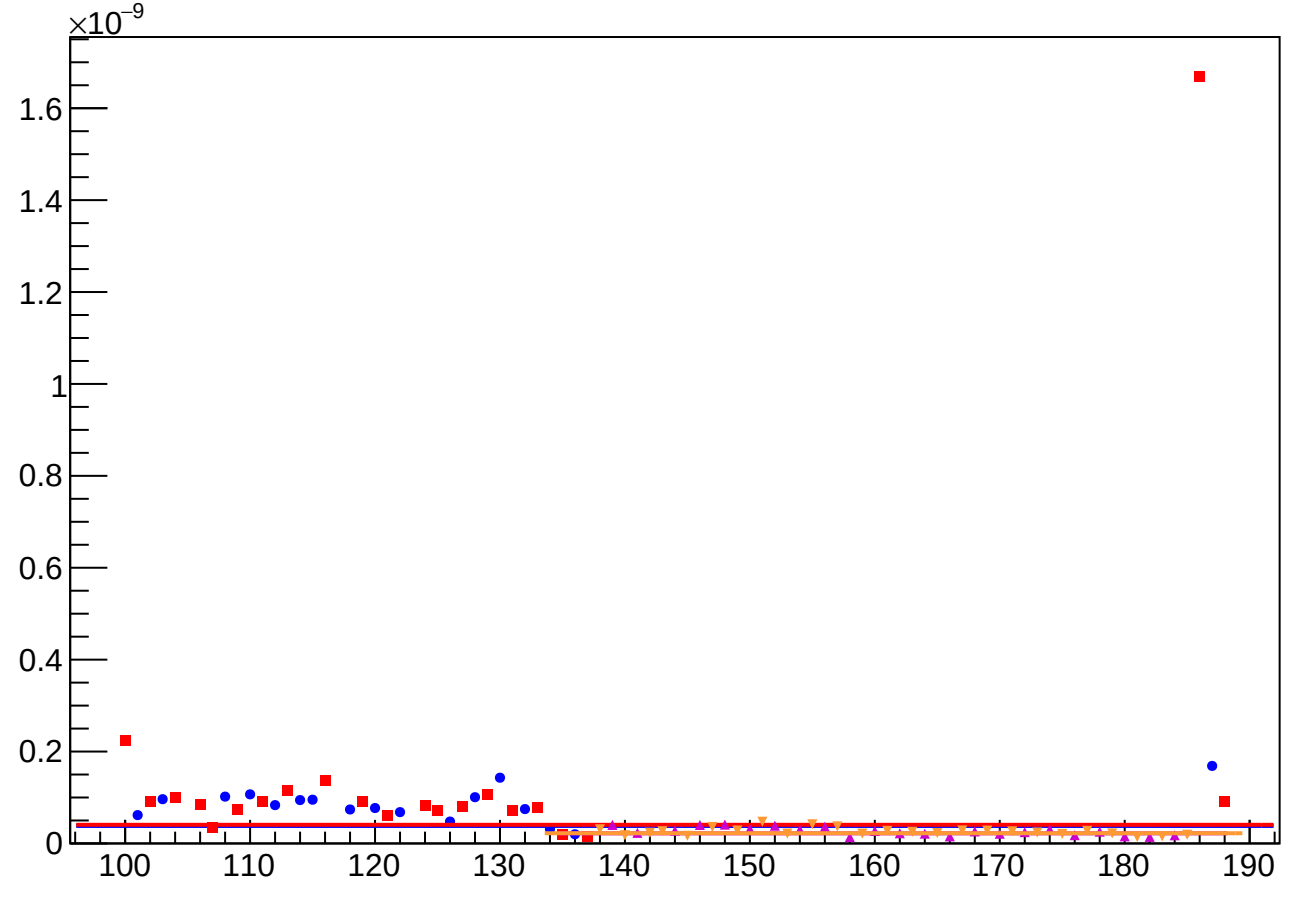
Left: 0.000+/-0.000 χ^2/NDF: 61.2/47

Right: 0.000+/-0.000 χ^2/NDF: 40.3/37

In: 0.000+/-0.000 χ^2/NDF:56.9/39

Out: -0.000+/-0.000 χ^2/NDF:34.1/45

All: 0.000+/-0.000 χ^2/NDF: 101.6/85



Right In: 0.000+/-0.000 χ^2/NDF: 3631901.7/16

Left Out: 0.000+/-0.000 χ^2/NDF:2302790.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4924680.1/20

Left In: 0.000+/-0.000 χ^2/NDF:2802318.8/22

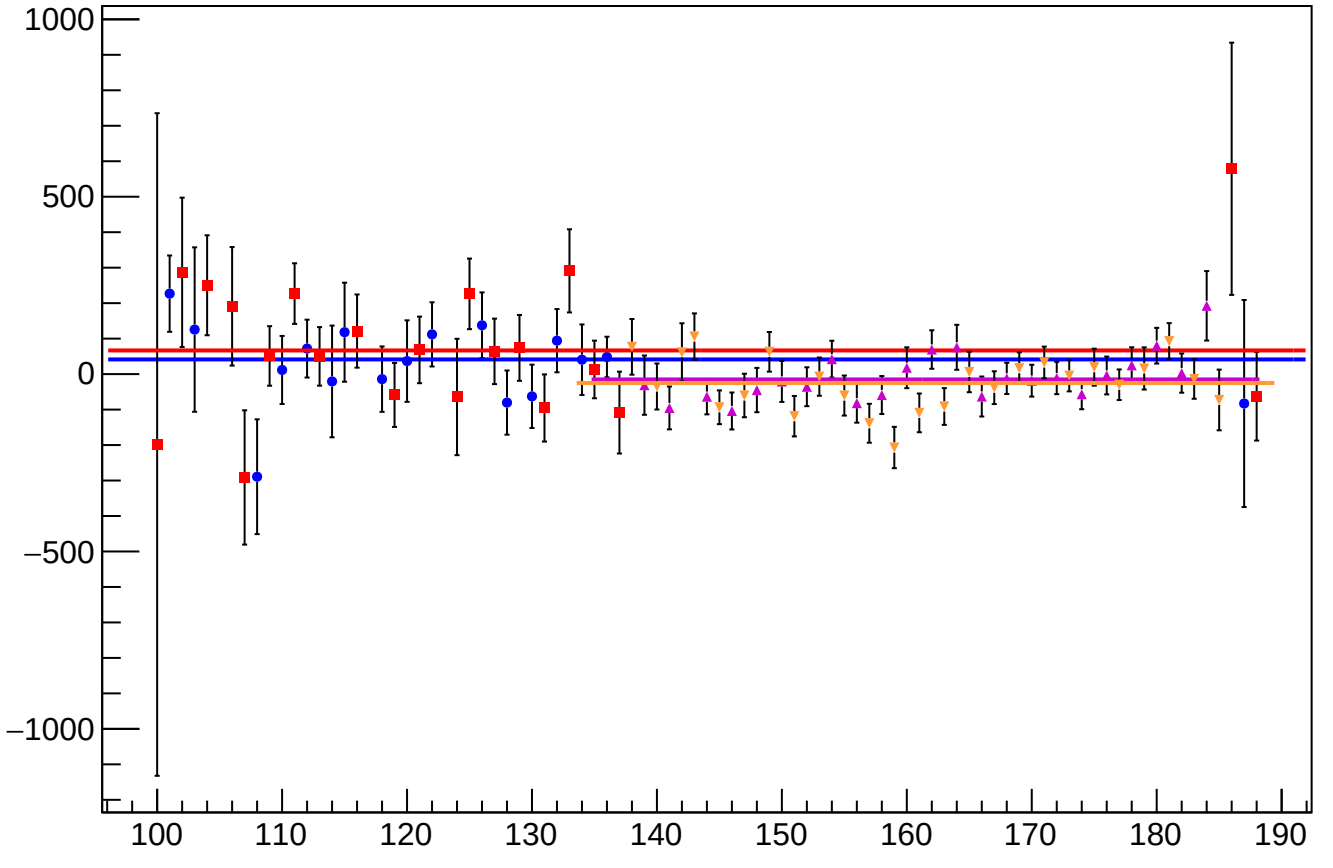
Left: 0.000+/-0.000 χ^2/NDF: 5106315.5/47

Right: 0.000+/-0.000 χ^2/NDF: 8569848.2/37

In: 0.000+/-0.000 χ^2/NDF:7551191.4/39

Out: 0.000+/-0.000 χ^2/NDF:8537798.1/45

All: 0.000+/-0.000 χ^2/NDF: 16089767.0/85



Right In: 41.365+/-24.124 χ^2/NDF: 13.7/16

Left Out: -24.988+/-10.888 χ^2/NDF:43.1/24

Right Out: 66.723+/-23.910 χ^2/NDF: 28.5/20

Left In: -14.994+/-11.218 χ^2/NDF:24.7/22

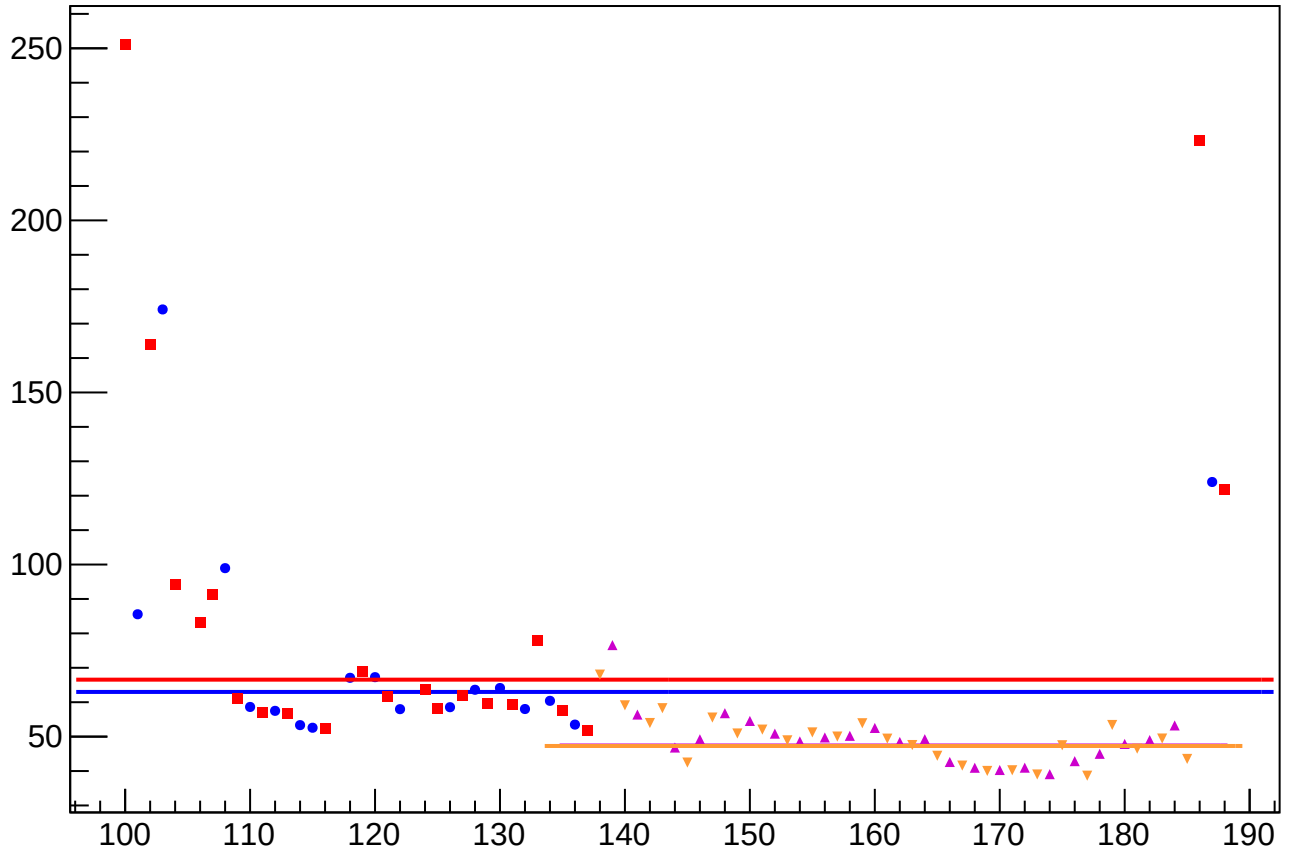
Left: -20.140+/-7.813 χ^2/NDF: 68.2/47

Right: 54.157+/-16.982 χ^2/NDF: 42.8/37

In: -4.974+/-10.172 χ^2/NDF:43.0/39

Out: -9.237+/-9.909 χ^2/NDF:83.8/45

All: -7.162+/-7.098 χ^2/NDF: 126.9/85



Right In: 62.985+/-0.017 χ^2/NDF: 846583.0/16

Left Out: 47.284+/-0.008 χ^2/NDF:717249.8/24

Right Out: 66.553+/-0.017 χ^2/NDF: 1642146.6/20

Left In: 47.425+/-0.008 χ^2/NDF:655736.9/22

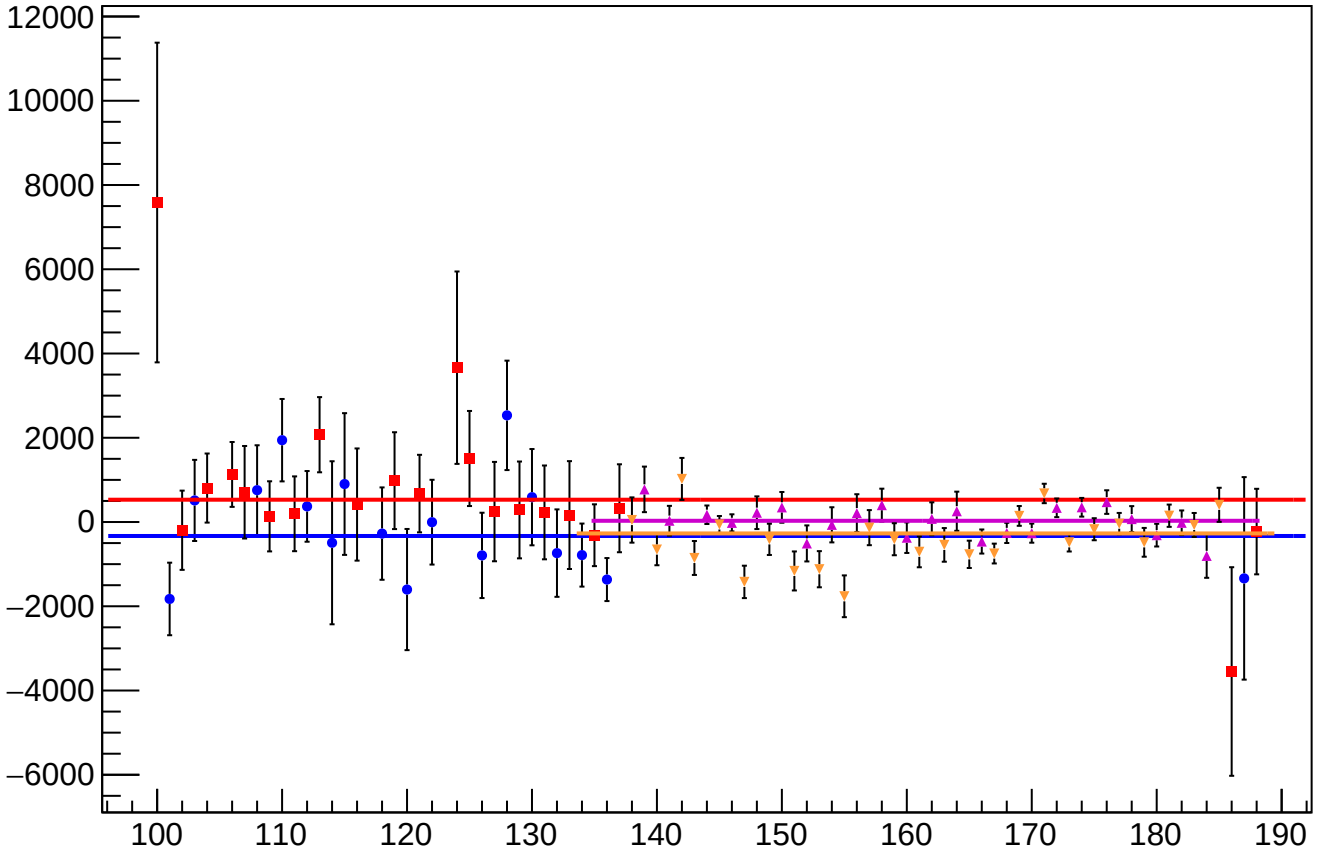
Left: 47.352+/-0.006 χ^2/NDF: 1373150.4/47

Right: 64.785+/-0.012 χ^2/NDF: 2510797.3/37

In: 50.191+/-0.007 χ^2/NDF:2186450.8/39

Out: 50.593+/-0.007 χ^2/NDF:3435308.4/45

All: 50.397+/-0.005 χ^2/NDF: 5623357.5/85



Right In: -331.568+/-237.317 χ^2/NDF: 22.9/16

Left Out: -271.031+/-62.346 χ^2/NDF:73.9/24

Right Out: 529.483+/-226.734 χ^2/NDF: 15.9/20

Left In: 29.200+/-62.671 χ^2/NDF:24.4/22

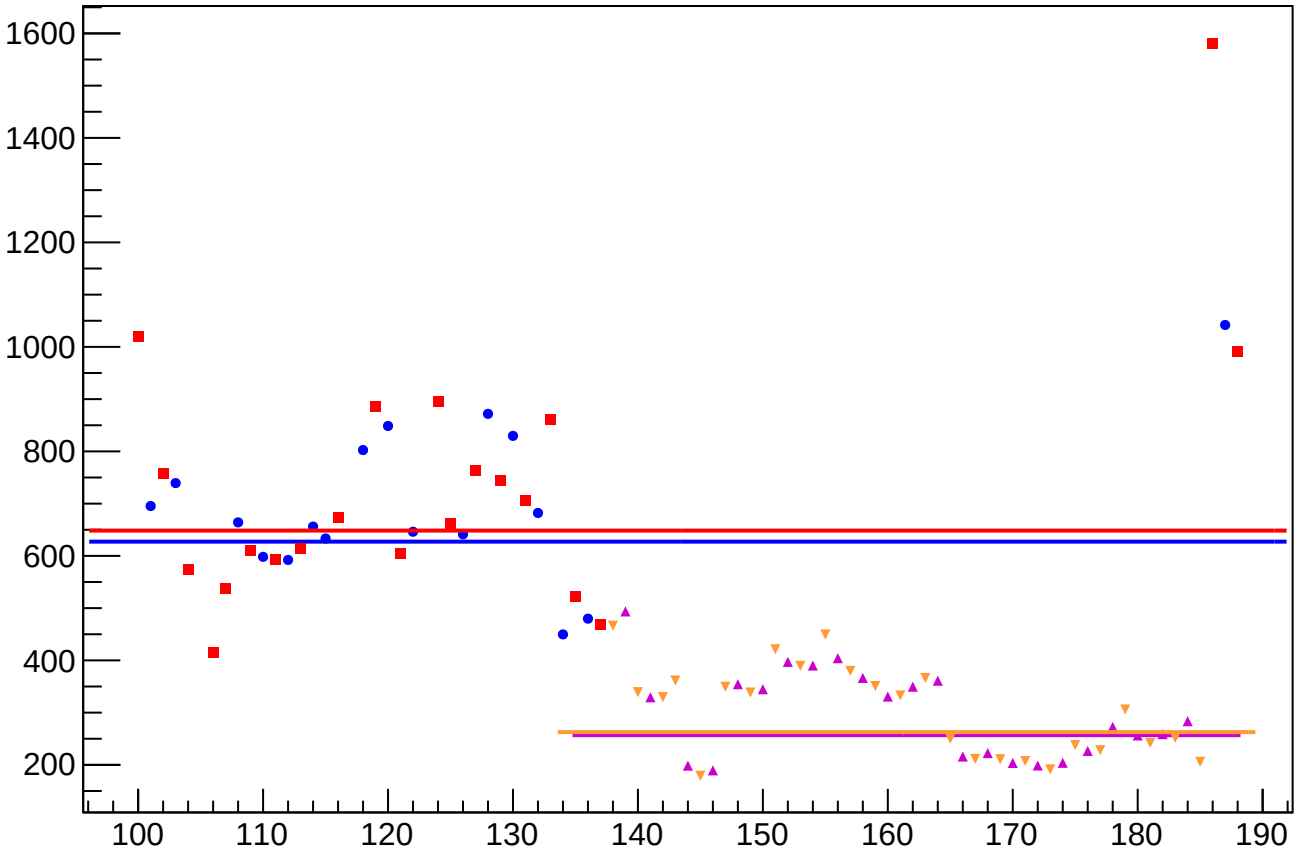
Left: -121.695+/-44.200 χ^2/NDF: 109.8/47

Right: 118.583+/-163.939 χ^2/NDF: 45.6/37

In: 5.681+/-60.593 χ^2/NDF:49.4/39

Out: -214.759+/-60.115 χ^2/NDF:101.3/45

All: -105.413+/-42.676 χ^2/NDF: 157.5/85



Right In: 627.263+/-0.168 χ^2/NDF: 625638.1/16

Left Out: 262.679+/-0.044 χ^2/NDF:2893255.4/24

Right Out: 648.410+/-0.160 χ^2/NDF: 1119179.6/20

Left In: 256.842+/-0.044 χ^2/NDF:2639200.9/22

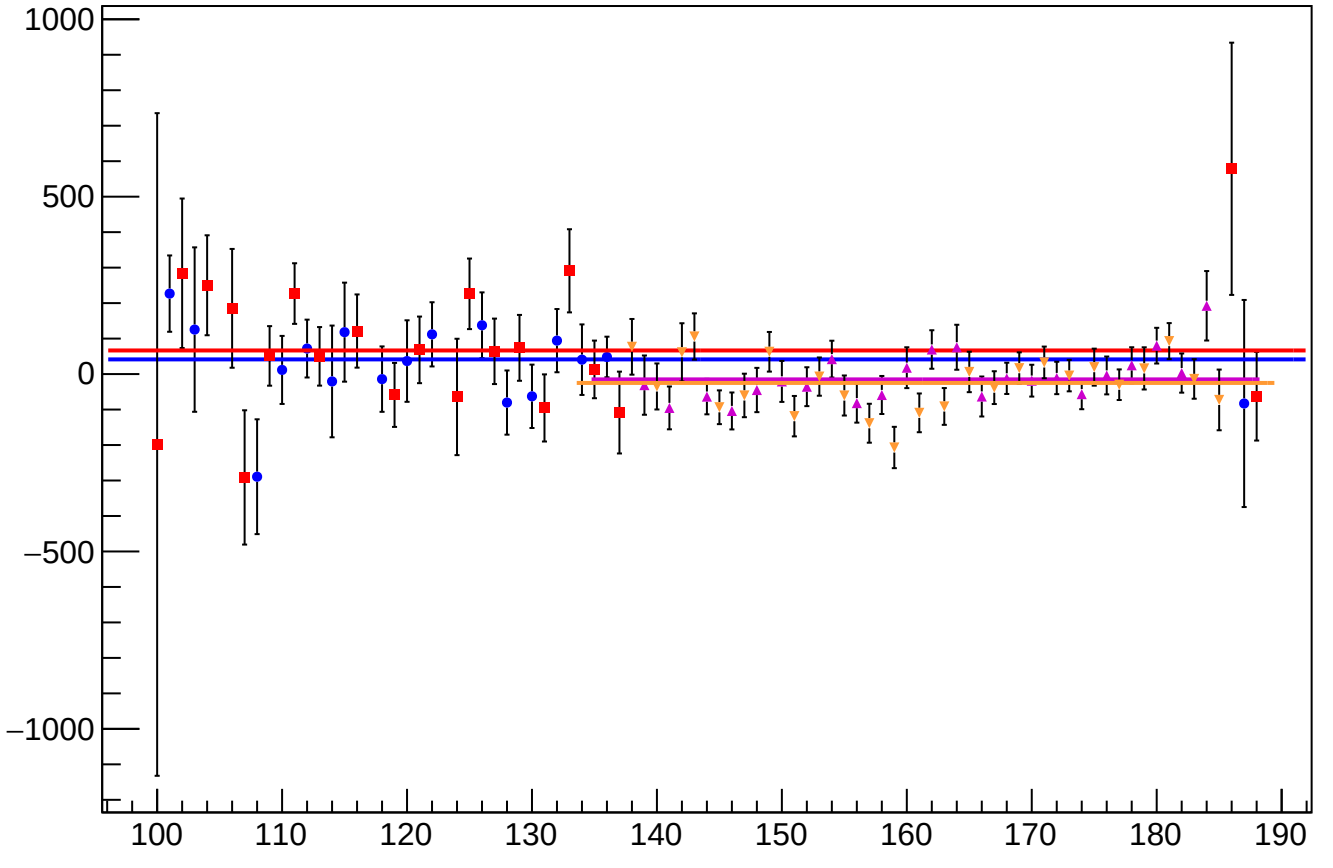
Left: 259.776+/-0.031 χ^2/NDF: 5541174.7/47

Right: 638.319+/-0.116 χ^2/NDF: 1753120.2/37

In: 280.991+/-0.043 χ^2/NDF:7819812.4/39

Out: 289.794+/-0.043 χ^2/NDF:9394031.7/45

All: 285.427+/-0.030 χ^2/NDF: 17235119.1/85



Right In: 41.358+/-24.124 χ^2/NDF: 13.7/16

Left Out: -24.985+/-10.888 χ^2/NDF:43.1/24

Right Out: 66.548+/-23.911 χ^2/NDF: 28.4/20

Left In: -14.992+/-11.218 χ^2/NDF:24.7/22

Left: -20.138+/-7.813 χ^2/NDF: 68.2/47

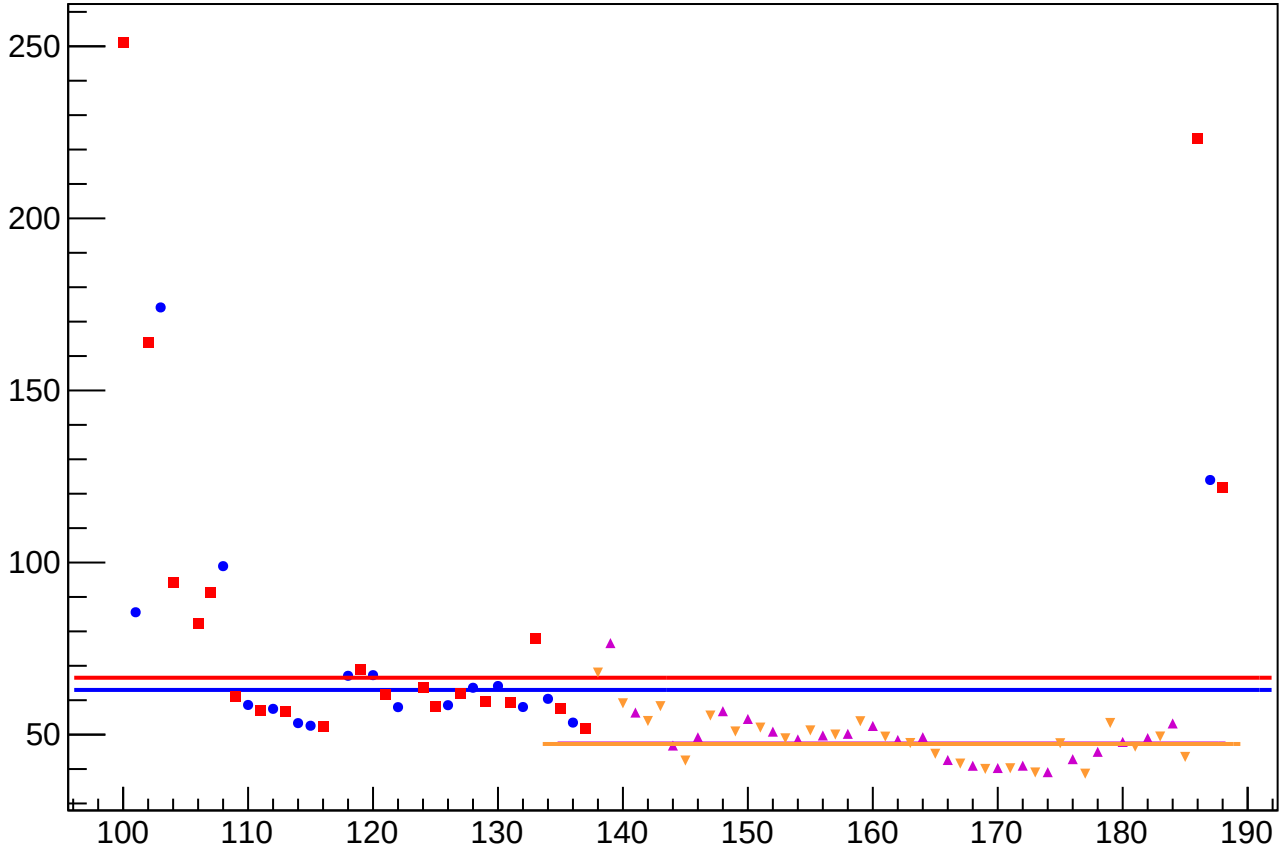
Right: 54.064+/-16.983 χ^2/NDF: 42.7/37

In: -4.974+/-10.172 χ^2/NDF:43.0/39

Out: -9.266+/-9.909 χ^2/NDF:83.7/45

All: -7.176+/-7.098 χ^2/NDF: 126.7/85

cor_asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 62.985+/-0.017 χ^2/NDF: 846585.2/16

Left Out: 47.284+/-0.008 χ^2/NDF:717249.7/24

Right Out: 66.530+/-0.017 χ^2/NDF: 1639857.7/20

Left In: 47.425+/-0.008 χ^2/NDF:655736.9/22

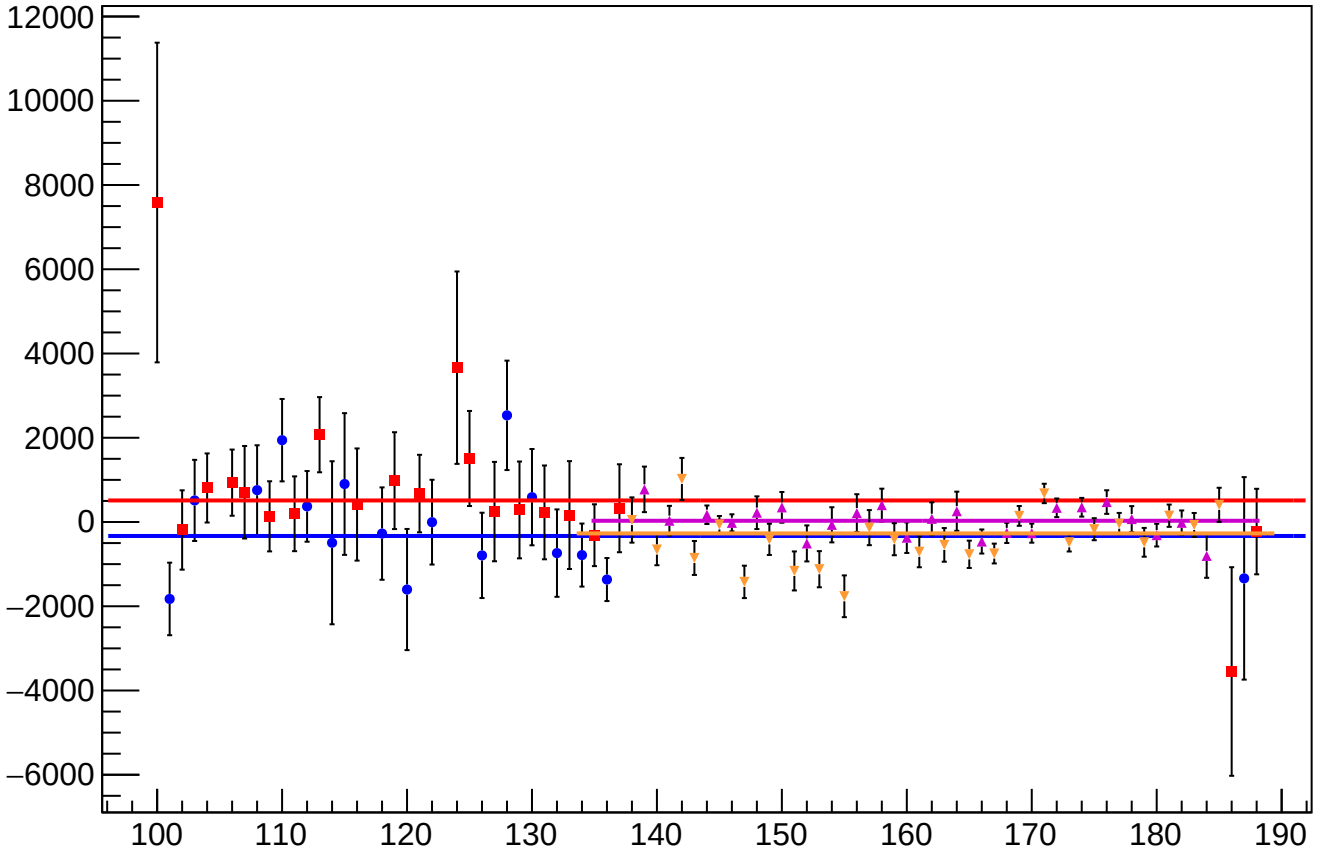
Left: 47.352+/-0.006 χ^2/NDF: 1373150.3/47

Right: 64.773+/-0.012 χ^2/NDF: 2508228.1/37

In: 50.191+/-0.007 χ^2/NDF:2186452.6/39

Out: 50.589+/-0.007 χ^2/NDF:3430369.9/45

All: 50.395+/-0.005 χ^2/NDF: 5618387.3/85



Right In: -331.566+/-237.319 χ^2/NDF: 22.9/16

Left Out: -271.027+/-62.346 χ^2/NDF:73.9/24

Right Out: 511.662+/-227.133 χ^2/NDF: 15.5/20

Left In: 29.202+/-62.671 χ^2/NDF:24.4/22

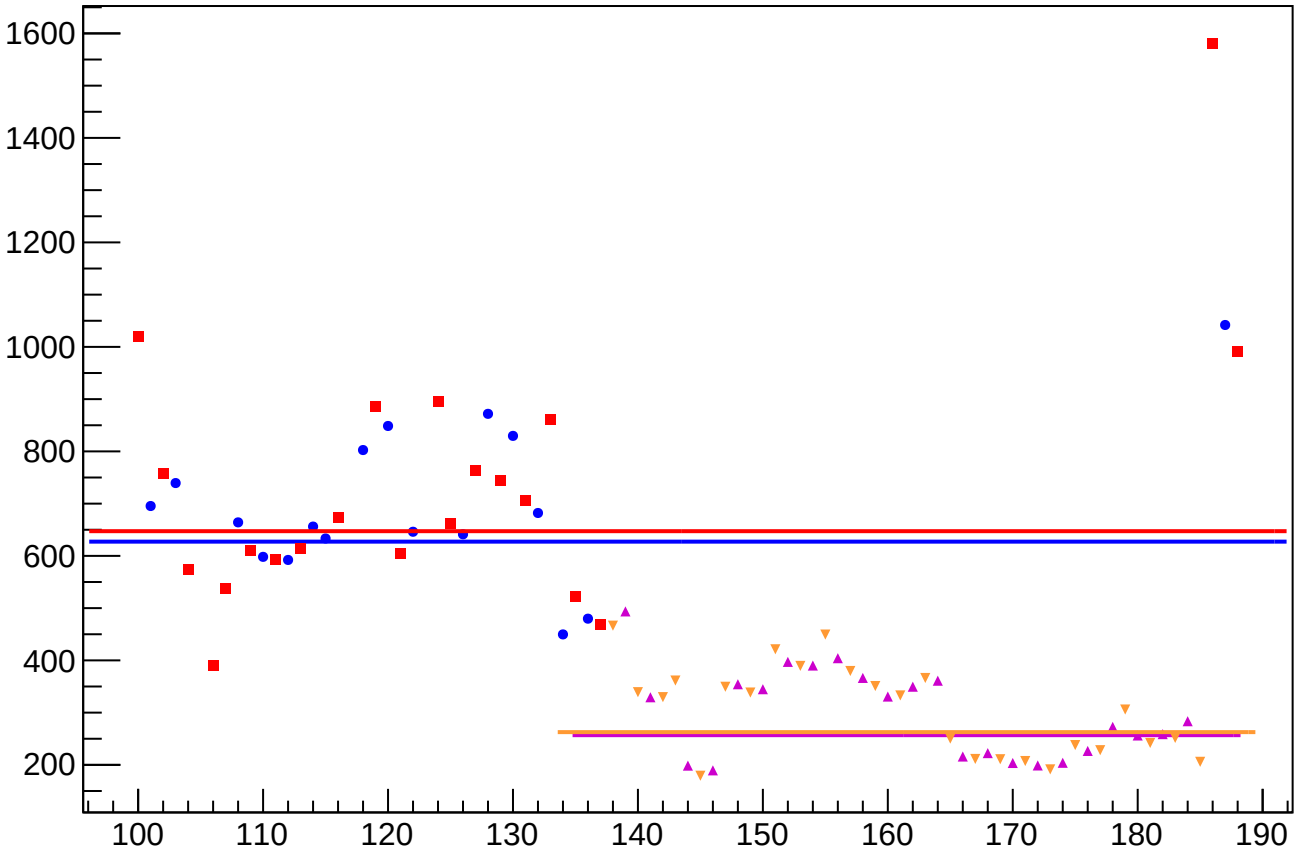
Left: -121.692+/-44.200 χ^2/NDF: 109.8/47

Right: 108.531+/-164.090 χ^2/NDF: 45.0/37

In: 5.683+/-60.593 χ^2/NDF:49.4/39

Out: -216.187+/-60.122 χ^2/NDF:100.4/45

All: -106.118+/-42.678 χ^2/NDF: 156.6/85



Right In: 627.266+/-0.168 χ^2/NDF: 625669.1/16

Left Out: 262.679+/-0.044 χ^2/NDF:2893257.1/24

Right Out: 647.278+/-0.161 χ^2/NDF: 1149540.4/20

Left In: 256.842+/-0.044 χ^2/NDF:2639196.2/22

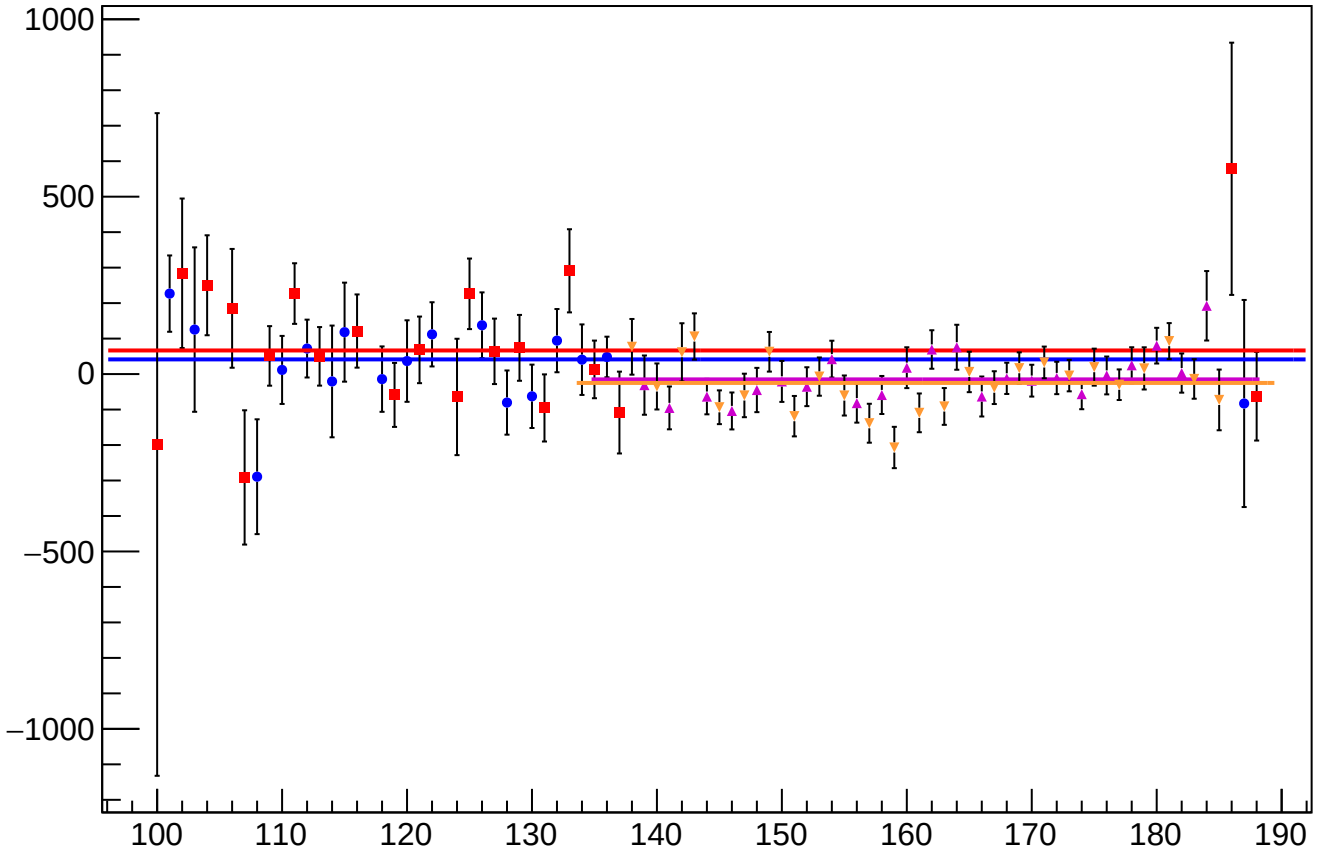
Left: 259.776+/-0.031 χ^2/NDF: 5541171.4/47

Right: 637.711+/-0.116 χ^2/NDF: 1782631.7/37

In: 280.991+/-0.043 χ^2/NDF:7819856.1/39

Out: 289.626+/-0.043 χ^2/NDF:9375370.6/45

All: 285.342+/-0.030 χ^2/NDF: 17215695.4/85



Right In: 41.358+/-24.124 χ^2/NDF: 13.7/16

Left Out: -24.985+/-10.888 χ^2/NDF:43.1/24

Right Out: 66.548+/-23.911 χ^2/NDF: 28.4/20

Left In: -14.992+/-11.218 χ^2/NDF:24.7/22

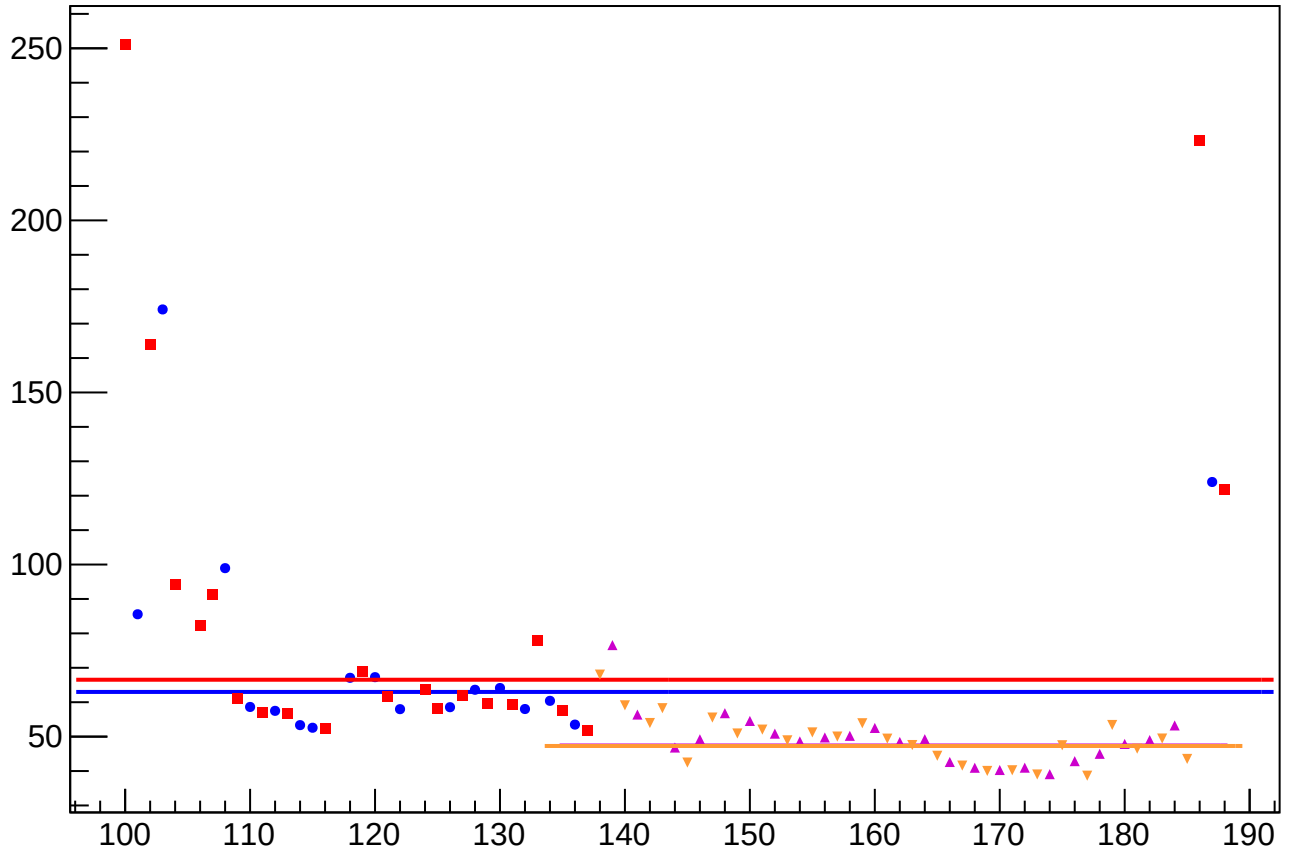
Left: -20.138+/-7.813 χ^2/NDF: 68.2/47

Right: 54.064+/-16.983 χ^2/NDF: 42.7/37

In: -4.974+/-10.172 χ^2/NDF:43.0/39

Out: -9.266+/-9.909 χ^2/NDF:83.7/45

All: -7.176+/-7.098 χ^2/NDF: 126.7/85



Right In: 62.985+/-0.017 χ^2/NDF: 846585.2/16

Left Out: 47.284+/-0.008 χ^2/NDF:717249.7/24

Right Out: 66.530+/-0.017 χ^2/NDF: 1639857.7/20

Left In: 47.425+/-0.008 χ^2/NDF:655736.9/22

Left: 47.352+/-0.006 χ^2/NDF: 1373150.3/47

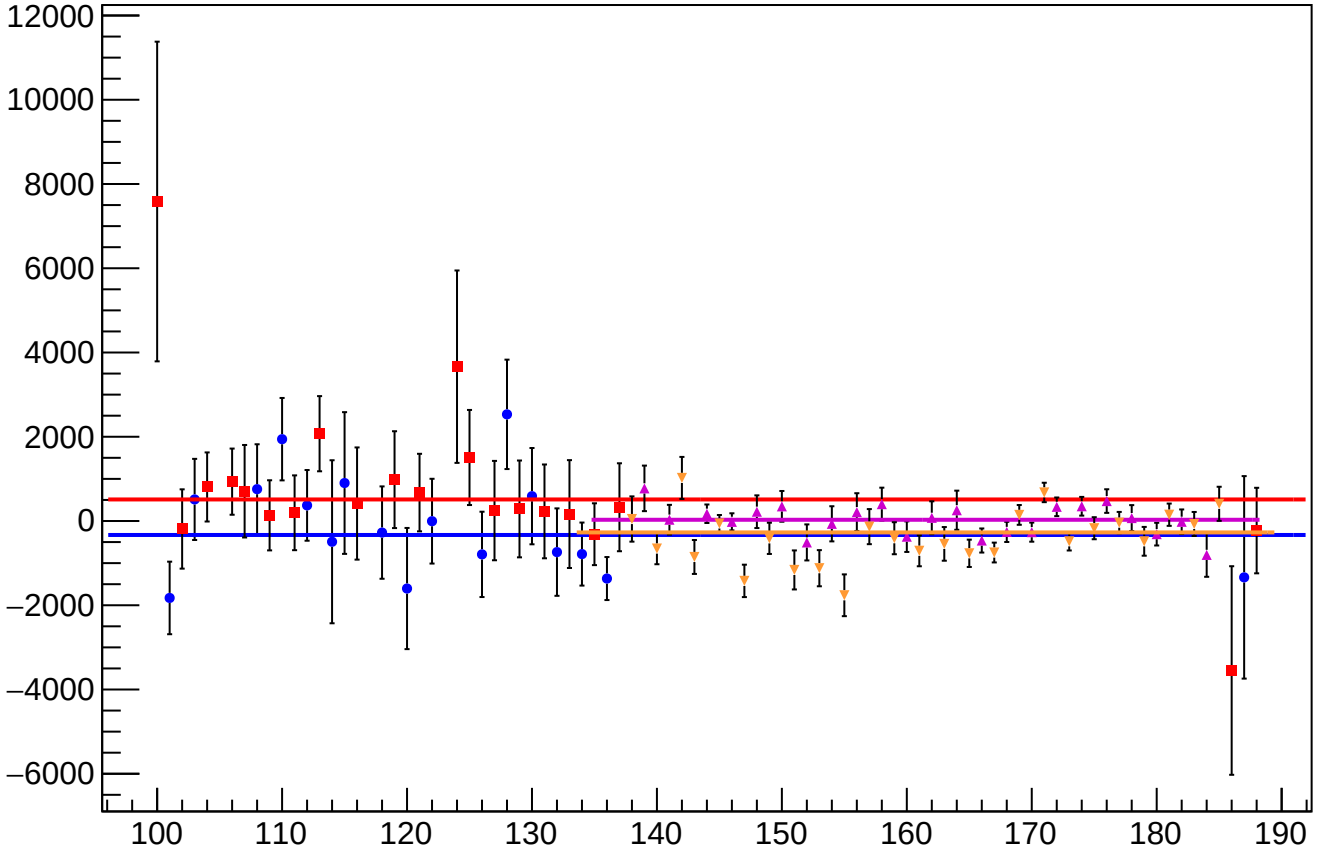
Right: 64.773+/-0.012 χ^2/NDF: 2508228.1/37

In: 50.191+/-0.007 χ^2/NDF:2186452.6/39

Out: 50.589+/-0.007 χ^2/NDF:3430369.9/45

All: 50.395+/-0.005 χ^2/NDF: 5618387.3/85

asym_sam_37_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -331.566+/-237.319 χ^2/NDF: 22.9/16

Left Out: -271.027+/-62.346 χ^2/NDF:73.9/24

Right Out: 511.662+/-227.133 χ^2/NDF: 15.5/20

Left In: 29.202+/-62.671 χ^2/NDF:24.4/22

Left: -121.692+/-44.200 χ^2/NDF: 109.8/47

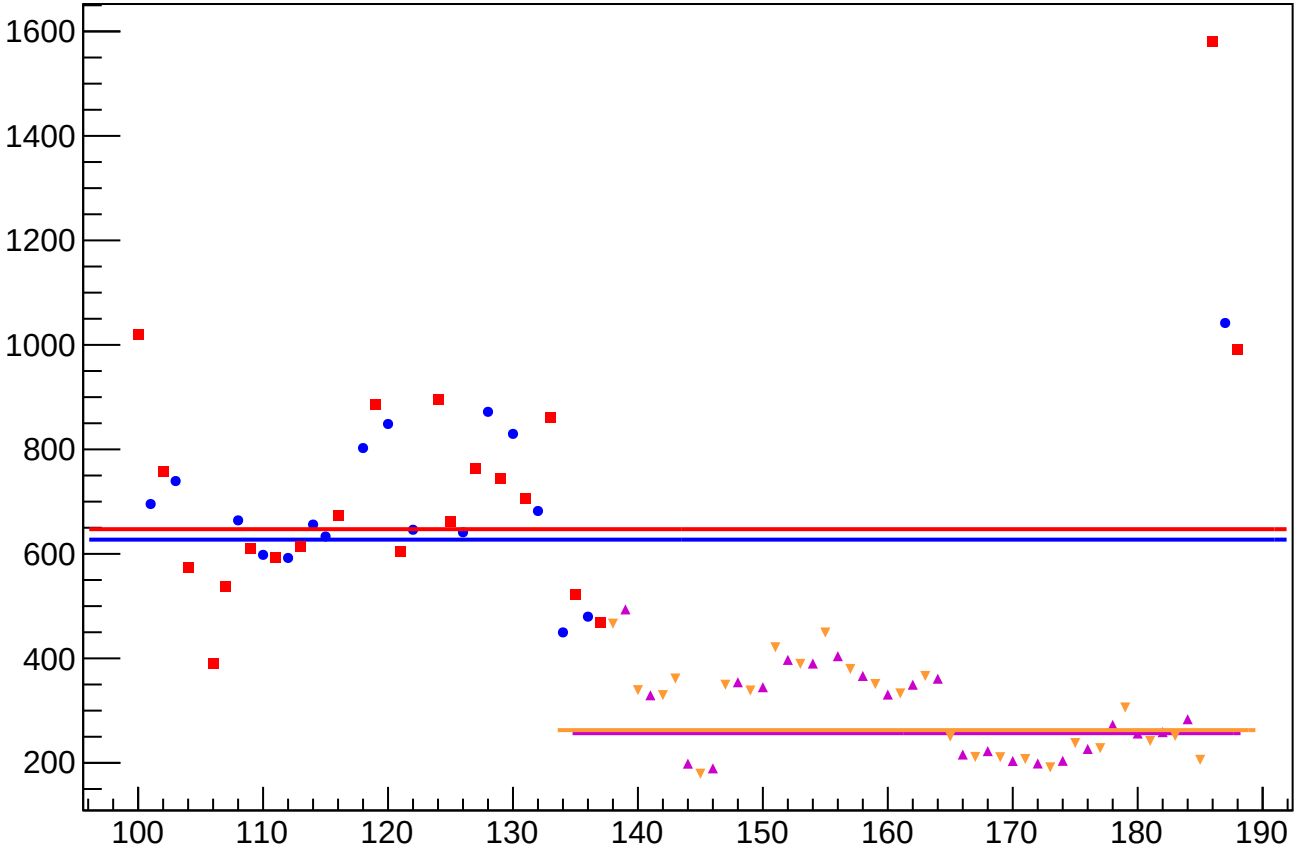
Right: 108.531+/-164.090 χ^2/NDF: 45.0/37

In: 5.683+/-60.593 χ^2/NDF:49.4/39

Out: -216.187+/-60.122 χ^2/NDF:100.4/45

All: -106.118+/-42.678 χ^2/NDF: 156.6/85

asym_sam_37_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 627.266+/-0.168 χ^2/NDF: 625669.1/16

Left Out: 262.679+/-0.044 χ^2/NDF:2893257.1/24

Right Out: 647.278+/-0.161 χ^2/NDF: 1149540.4/20

Left In: 256.842+/-0.044 χ^2/NDF:2639196.2/22

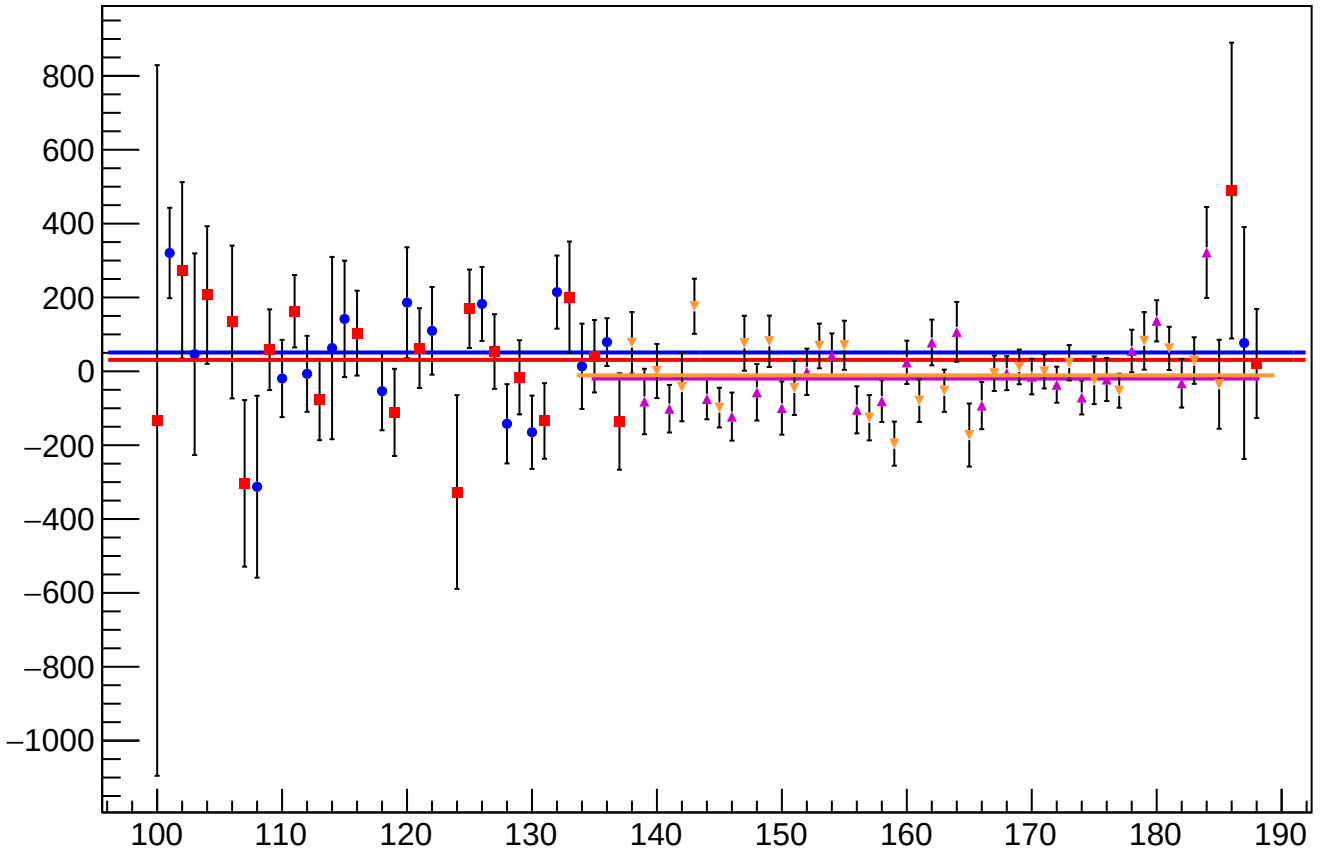
Left: 259.776+/-0.031 χ^2/NDF: 5541171.4/47

Right: 637.711+/-0.116 χ^2/NDF: 1782631.7/37

In: 280.991+/-0.043 χ^2/NDF:7819856.1/39

Out: 289.626+/-0.043 χ^2/NDF:9375370.6/45

All: 285.342+/-0.030 χ^2/NDF: 17215695.4/85



Right In: 51.049+/-28.202 χ^2/NDF: 22.9/16

Left Out: -10.823+/-12.306 χ^2/NDF:40.4/24

Right Out: 31.053+/-28.301 χ^2/NDF: 19.8/20

Left In: -19.597+/-12.546 χ^2/NDF:36.8/22

Left: -15.126+/-8.785 χ^2/NDF: 77.4/47

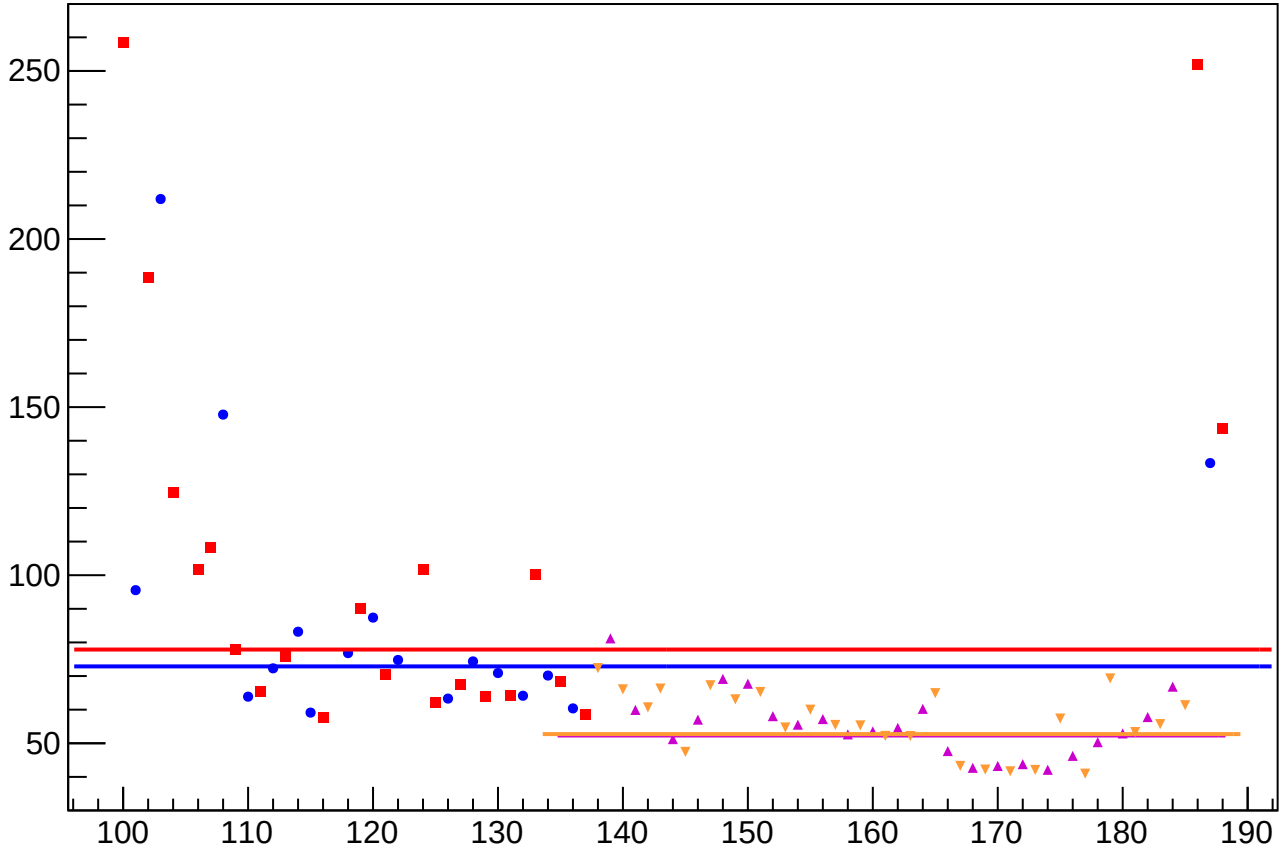
Right: 41.086+/-19.977 χ^2/NDF: 42.9/37

In: -7.926+/-11.463 χ^2/NDF:64.9/39

Out: -4.164+/-11.285 χ^2/NDF:62.1/45

All: -6.016+/-8.042 χ^2/NDF: 127.0/85

dit_asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 72.870+/-0.020 χ^2/NDF: 1012976.0/16

Left Out: 52.731+/-0.009 χ^2/NDF:1167195.4/24

Right Out: 77.886+/-0.020 χ^2/NDF: 1853638.5/20

Left In: 52.314+/-0.009 χ^2/NDF:891847.5/22

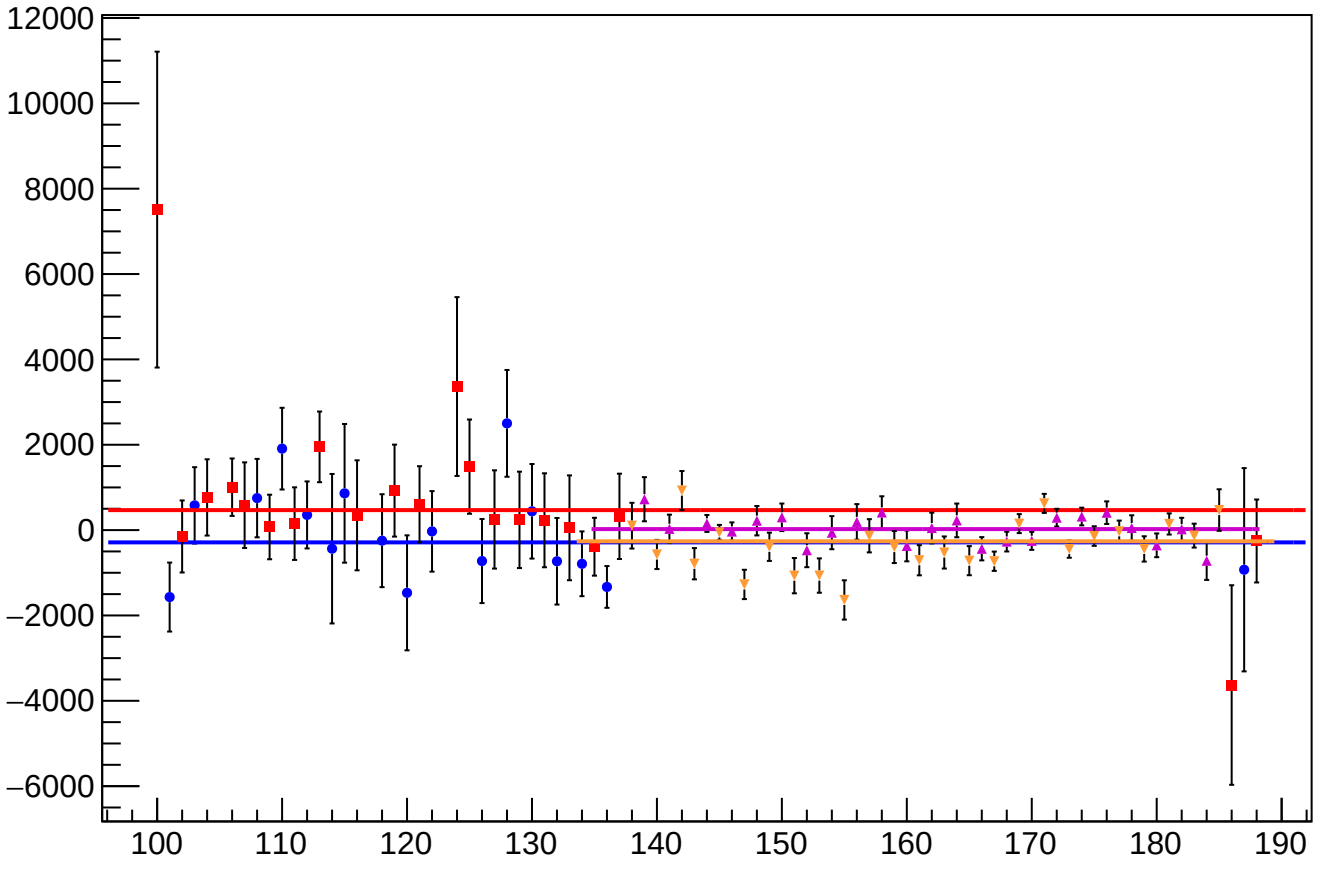
Left: 52.526+/-0.006 χ^2/NDF: 2060169.7/47

Right: 75.369+/-0.014 χ^2/NDF: 2898145.7/37

In: 55.710+/-0.008 χ^2/NDF:2791825.9/39

Out: 56.731+/-0.008 χ^2/NDF:4349710.5/45

All: 56.228+/-0.006 χ^2/NDF: 7149598.3/85



Right In: -287.903+/-226.755 χ^2/NDF: 22.9/16

Left Out: -262.582+/-58.501 χ^2/NDF:72.2/24

Right Out: 468.074+/-214.500 χ^2/NDF: 17.0/20

Left In: 23.469+/-59.397 χ^2/NDF:24.2/22

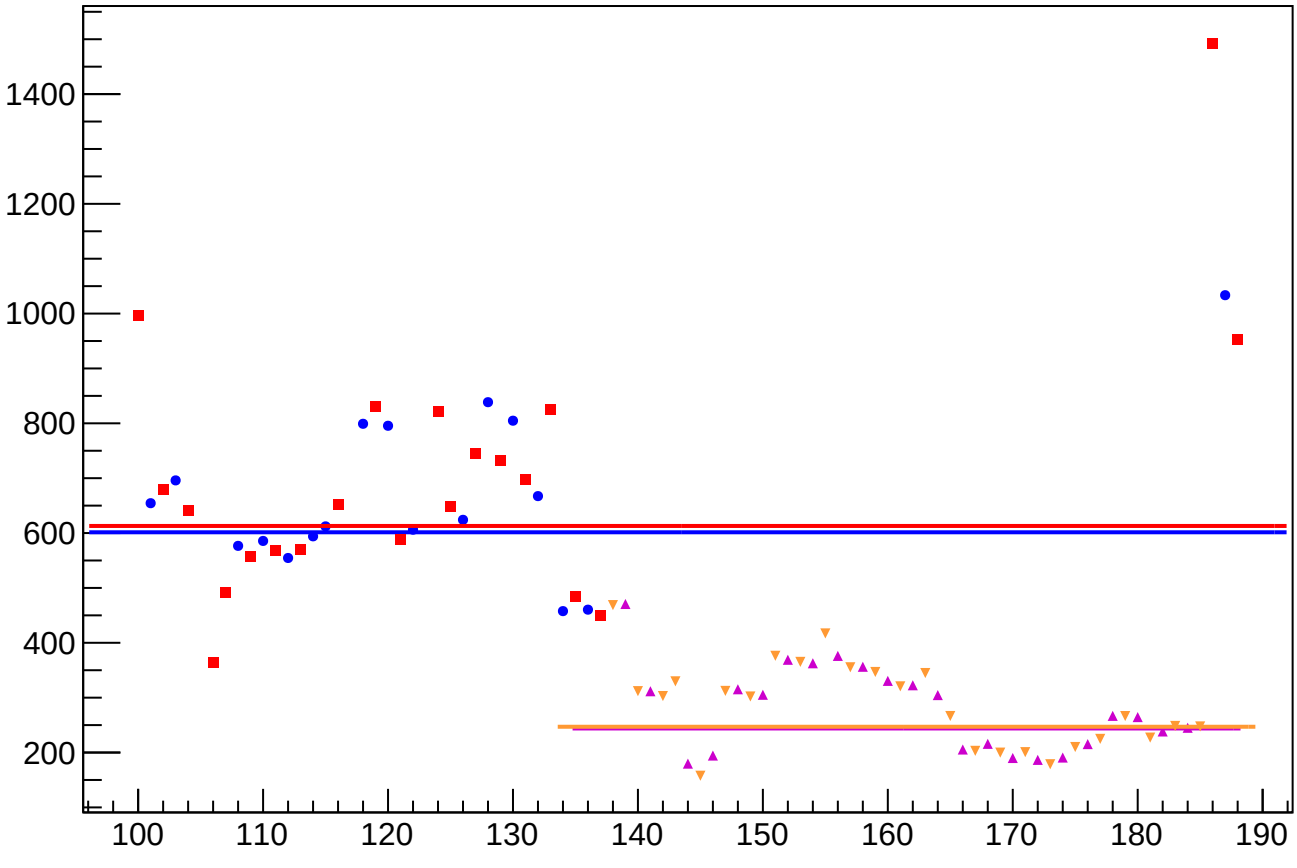
Left: -121.730+/-41.679 χ^2/NDF: 108.2/47

Right: 111.064+/-155.827 χ^2/NDF: 45.7/37

In: 3.476+/-57.458 χ^2/NDF:48.8/39

Out: -211.996+/-56.439 χ^2/NDF:100.0/45

All: -106.187+/-40.264 χ^2/NDF: 156.0/85



Right In: 601.392+/-0.160 χ^2/NDF: 600242.1/16

Left Out: 246.995+/-0.041 χ^2/NDF:2925691.6/24

Right Out: 612.933+/-0.152 χ^2/NDF: 1241639.2/20

Left In: 243.825+/-0.042 χ^2/NDF:2490545.8/22

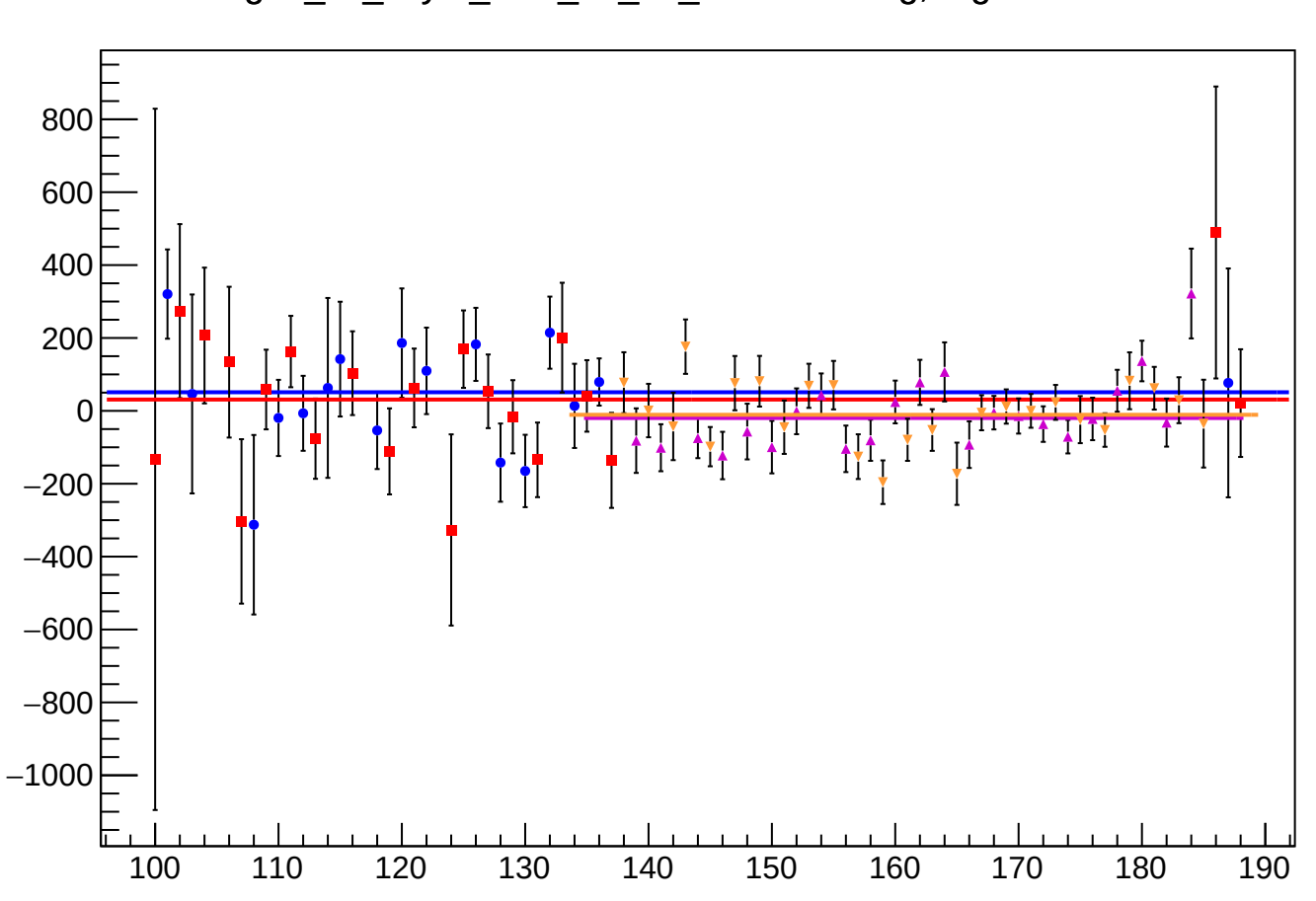
Left: 245.434+/-0.029 χ^2/NDF: 5419129.9/47

Right: 607.483+/-0.110 χ^2/NDF: 1844615.9/37

In: 266.784+/-0.041 χ^2/NDF:7744625.3/39

Out: 272.330+/-0.040 χ^2/NDF:9585219.1/45

All: 269.607+/-0.028 χ^2/NDF: 17339329.1/85



Right In: 51.048+/-28.202 χ^2/NDF: 22.9/16

Left Out: -10.822+/-12.306 χ^2/NDF:40.4/24

Right Out: 31.052+/-28.301 χ^2/NDF: 19.8/20

Left In: -19.598+/-12.546 χ^2/NDF:36.8/22

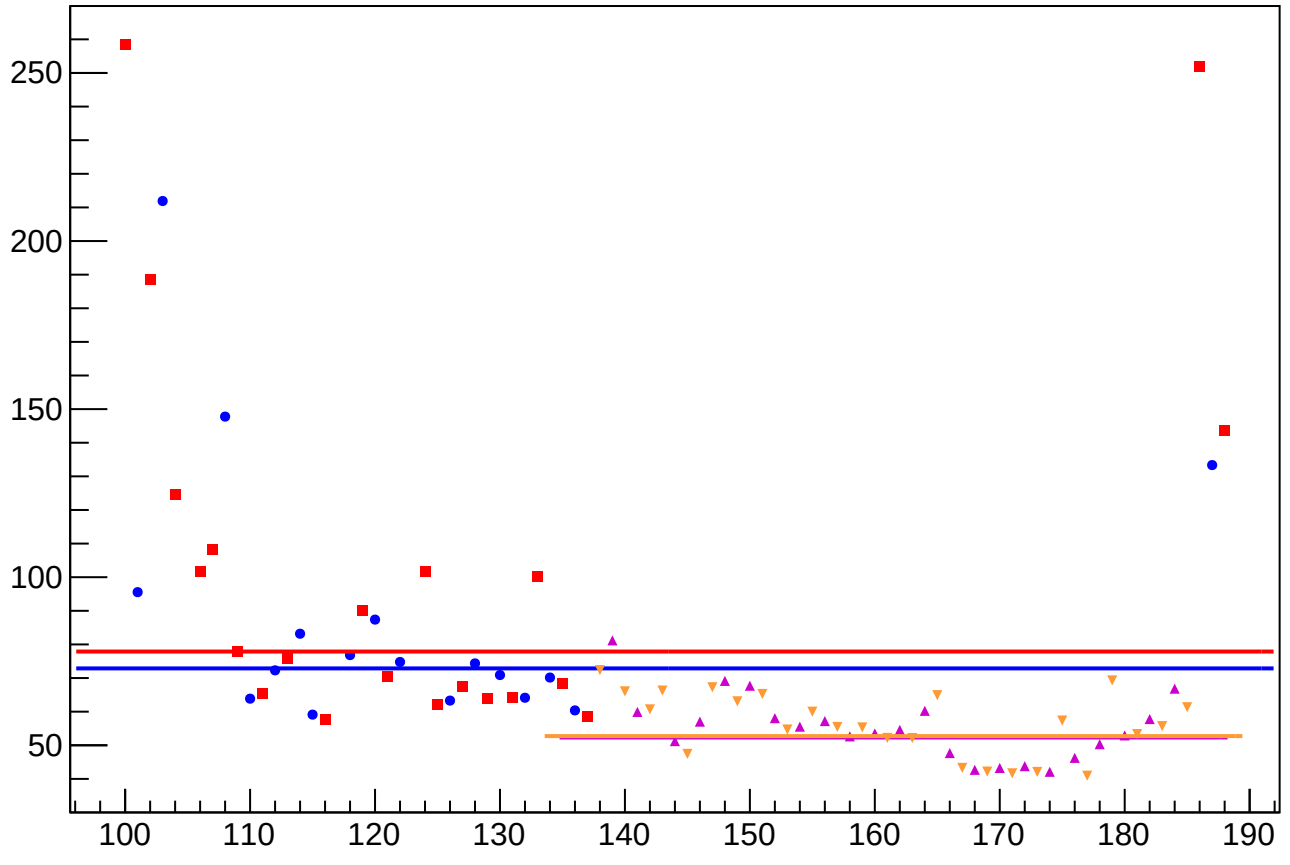
Left: -15.125+/-8.785 χ^2/NDF: 77.4/47

Right: 41.085+/-19.977 χ^2/NDF: 42.9/37

In: -7.927+/-11.463 χ^2/NDF:64.9/39

Out: -4.164+/-11.285 χ^2/NDF:62.1/45

All: -6.016+/-8.042 χ^2/NDF: 127.0/85



Right In: 72.869+/-0.020 χ^2/NDF: 1012979.9/16

Left Out: 52.731+/-0.009 χ^2/NDF:1167223.2/24

Right Out: 77.886+/-0.020 χ^2/NDF: 1853637.1/20

Left In: 52.314+/-0.009 χ^2/NDF:891856.0/22

Left: 52.526+/-0.006 χ^2/NDF: 2060206.1/47

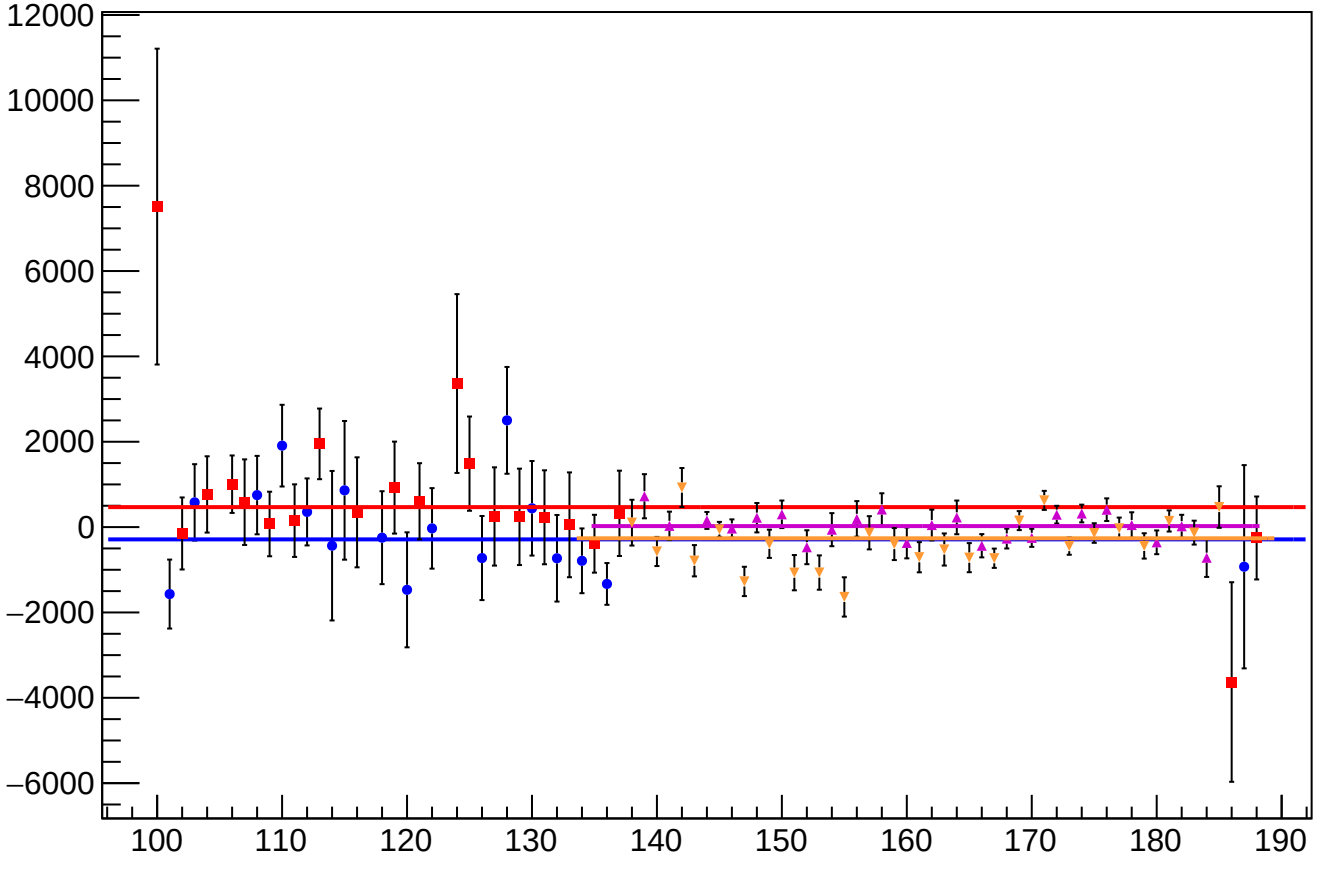
Right: 75.369+/-0.014 χ^2/NDF: 2898149.1/37

In: 55.710+/-0.008 χ^2/NDF:2791823.4/39

Out: 56.731+/-0.008 χ^2/NDF:4349723.0/45

All: 56.228+/-0.006 χ^2/NDF: 7149608.5/85

asym_sam_37_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -287.903+/-226.755 χ^2/NDF: 22.9/16

Left Out: -262.582+/-58.501 χ^2/NDF:72.2/24

Right Out: 468.074+/-214.500 χ^2/NDF: 17.0/20

Left In: 23.469+/-59.397 χ^2/NDF:24.2/22

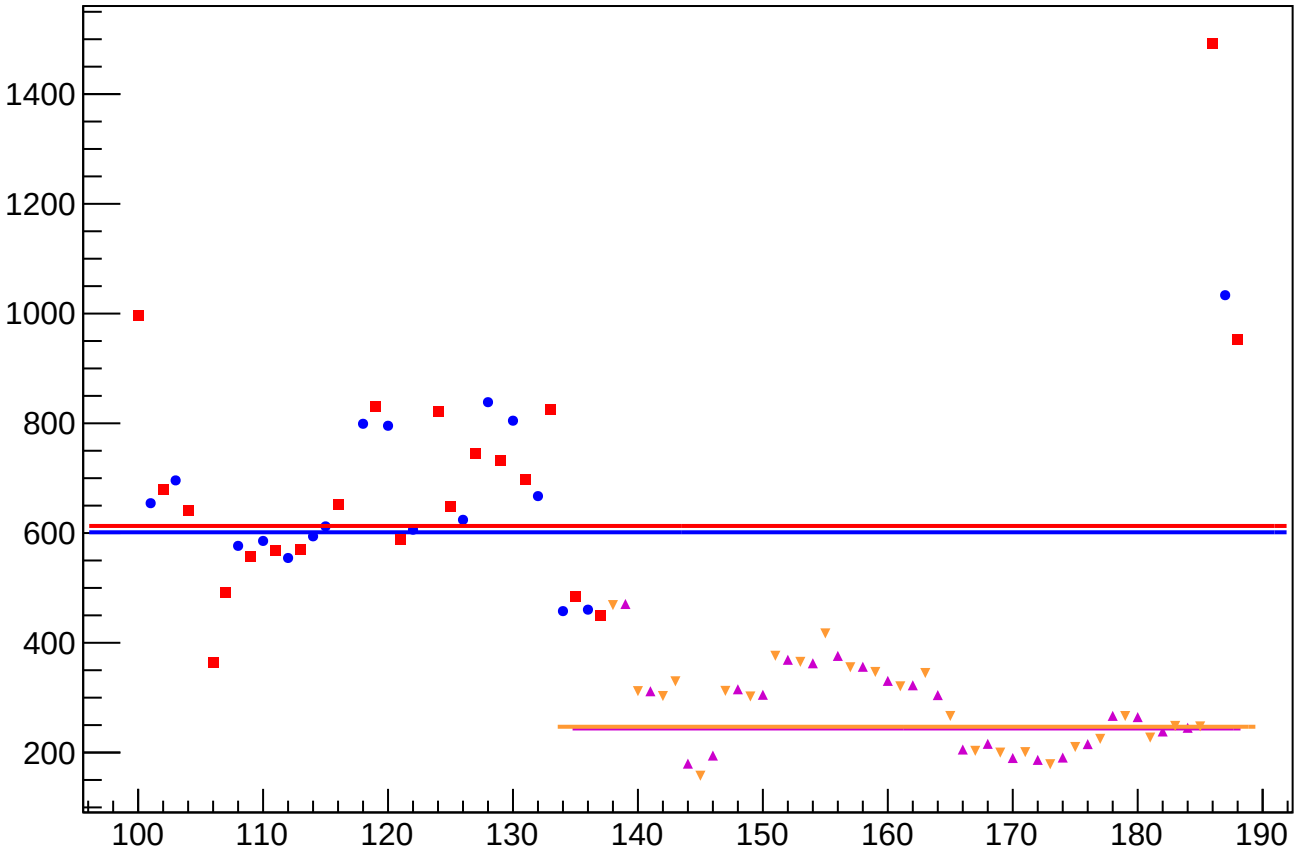
Left: -121.730+/-41.679 χ^2/NDF: 108.2/47

Right: 111.064+/-155.827 χ^2/NDF: 45.7/37

In: 3.476+/-57.458 χ^2/NDF:48.8/39

Out: -211.997+/-56.439 χ^2/NDF:100.0/45

All: -106.187+/-40.264 χ^2/NDF: 156.0/85



Right In: 601.392+/-0.160 χ^2/NDF: 600239.3/16

Left Out: 246.995+/-0.041 χ^2/NDF:2925680.1/24

Right Out: 612.933+/-0.152 χ^2/NDF: 1241633.9/20

Left In: 243.825+/-0.042 χ^2/NDF:2490539.0/22

Left: 245.434+/-0.029 χ^2/NDF: 5419111.8/47

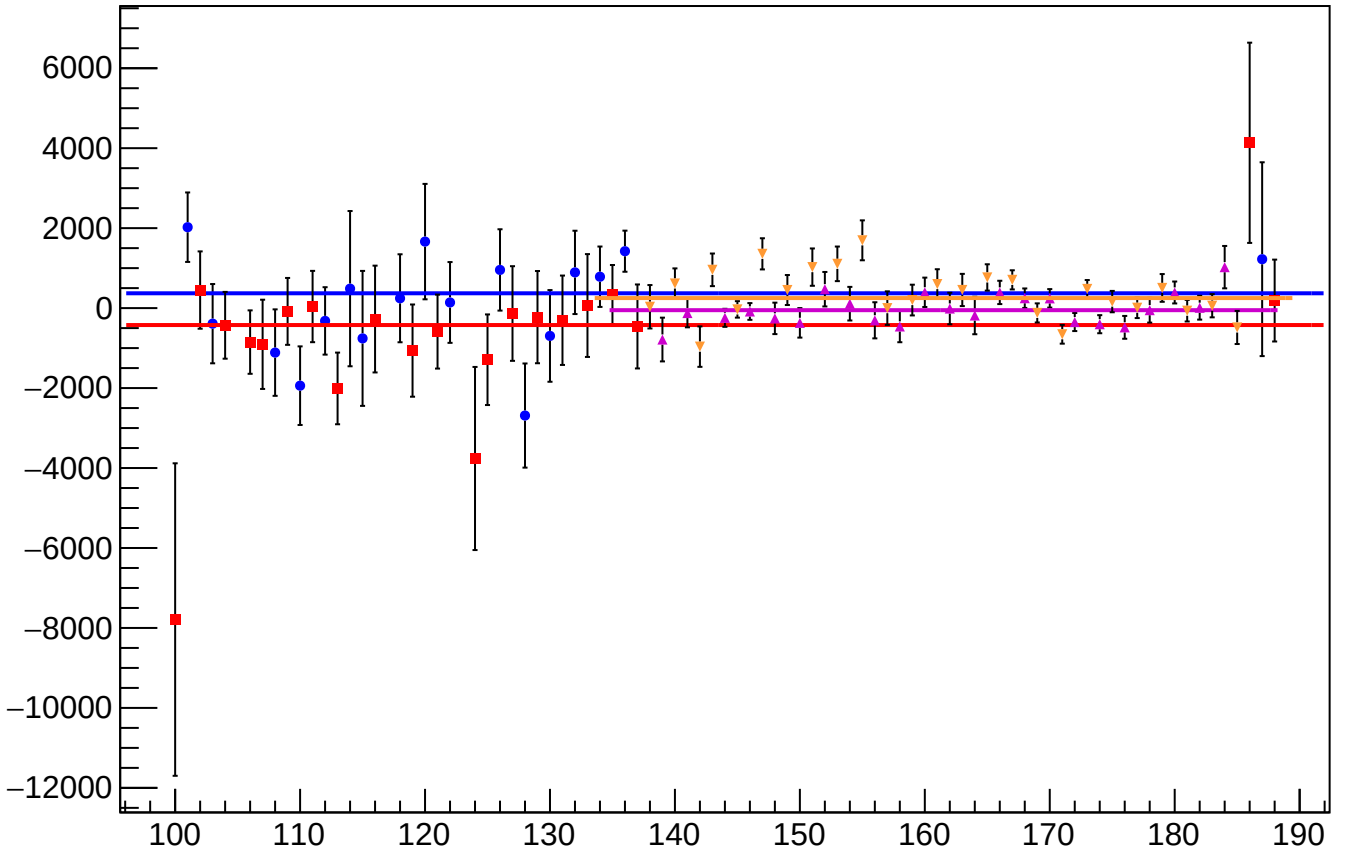
Right: 607.483+/-0.110 χ^2/NDF: 1844607.5/37

In: 266.784+/-0.041 χ^2/NDF:7744625.5/39

Out: 272.330+/-0.040 χ^2/NDF:9585201.7/45

All: 269.606+/-0.028 χ^2/NDF: 17339312.4/85

asym_sam_37_dd_mean vs Slug, Sign Corrected



Right In: 370.764+/-239.131 χ^2/NDF: 25.2/16

Left Out: 251.109+/-63.424 χ^2/NDF:67.5/24

Right Out: -423.593+/-229.032 χ^2/NDF: 16.5/20

Left In: -51.707+/-63.843 χ^2/NDF:26.8/22

Left: 100.699+/-44.995 χ^2/NDF: 105.7/47

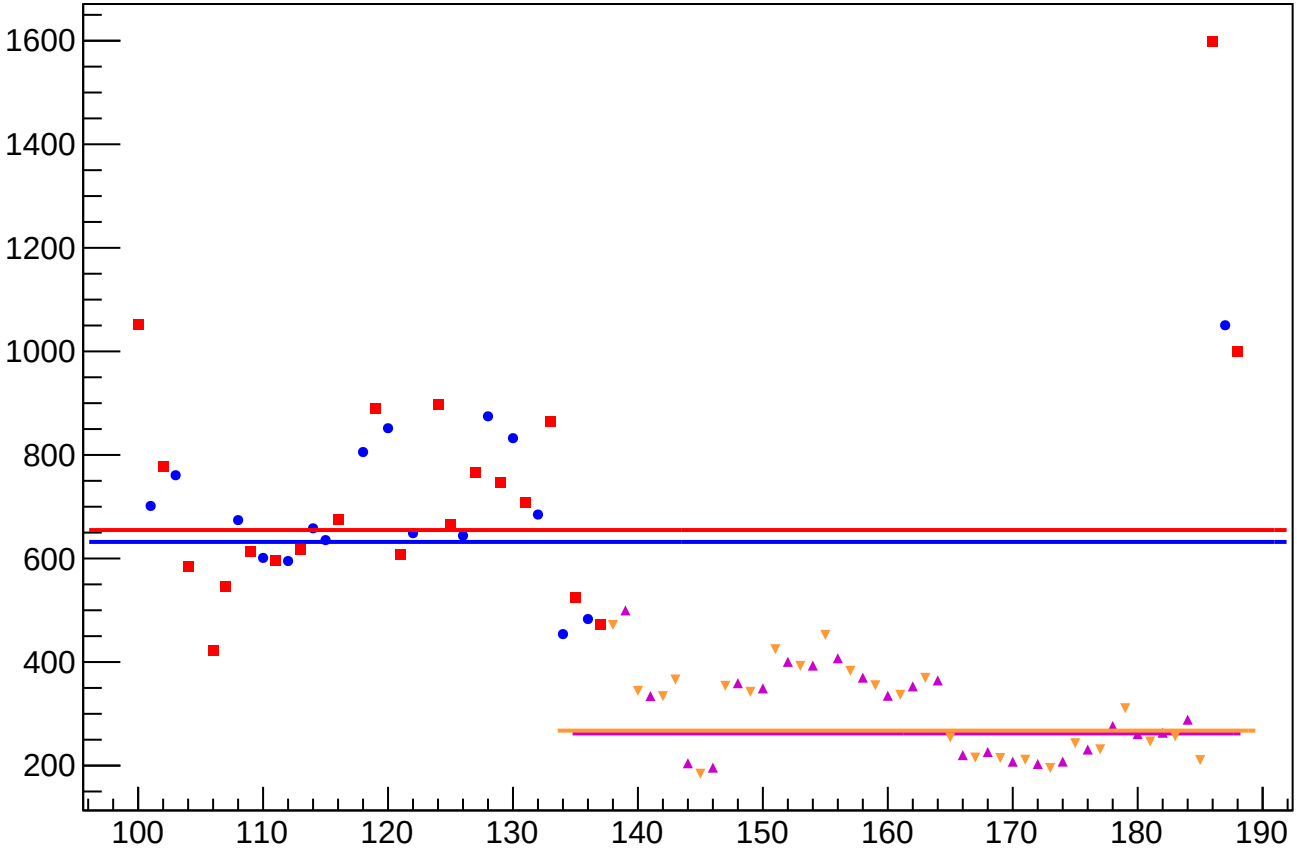
Right: -43.541+/-165.405 χ^2/NDF: 47.4/37

In: -23.598+/-61.683 χ^2/NDF:54.9/39

Out: 203.055+/-61.123 χ^2/NDF:92.1/45

All: 90.761+/-43.417 χ^2/NDF: 153.8/85

asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 632.009+/-0.169 χ^2/NDF: 626989.6/16

Left Out: 267.589+/-0.045 χ^2/NDF:2801460.2/24

Right Out: 654.939+/-0.162 χ^2/NDF: 1106844.5/20

Left In: 262.092+/-0.045 χ^2/NDF:2537465.8/22

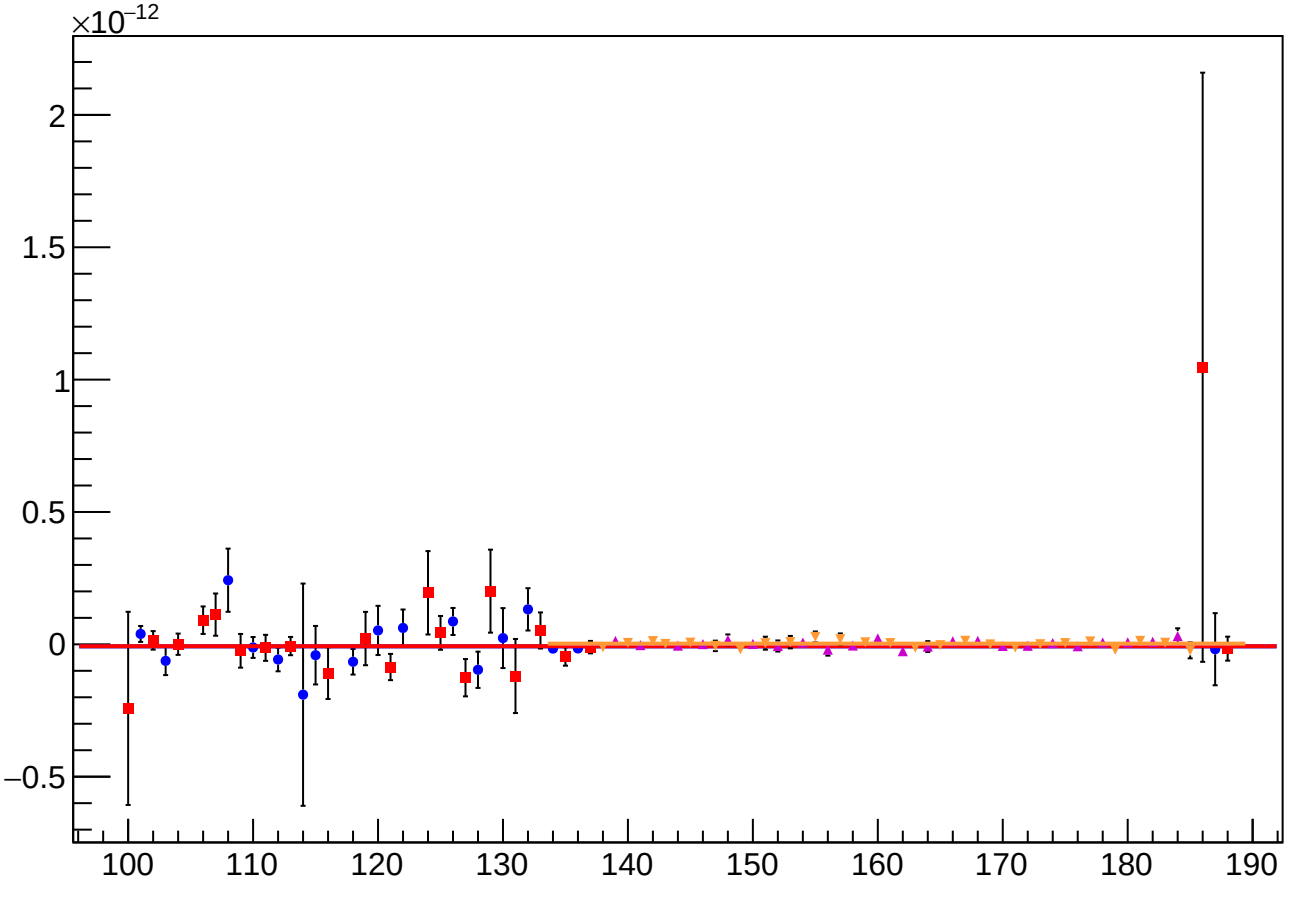
Left: 264.859+/-0.032 χ^2/NDF: 5346387.6/47

Right: 643.968+/-0.117 χ^2/NDF: 1743425.9/37

In: 286.705+/-0.044 χ^2/NDF:7631943.5/39

Out: 295.177+/-0.043 χ^2/NDF:9221499.0/45

All: 290.980+/-0.031 χ^2/NDF: 16872480.1/85



Right In: -0.000+/-0.000 χ^2/NDF: 21.0/16

Left Out: 0.000+/-0.000 χ^2/NDF:15.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 20.9/20

Left In: 0.000+/-0.000 χ^2/NDF:12.3/22

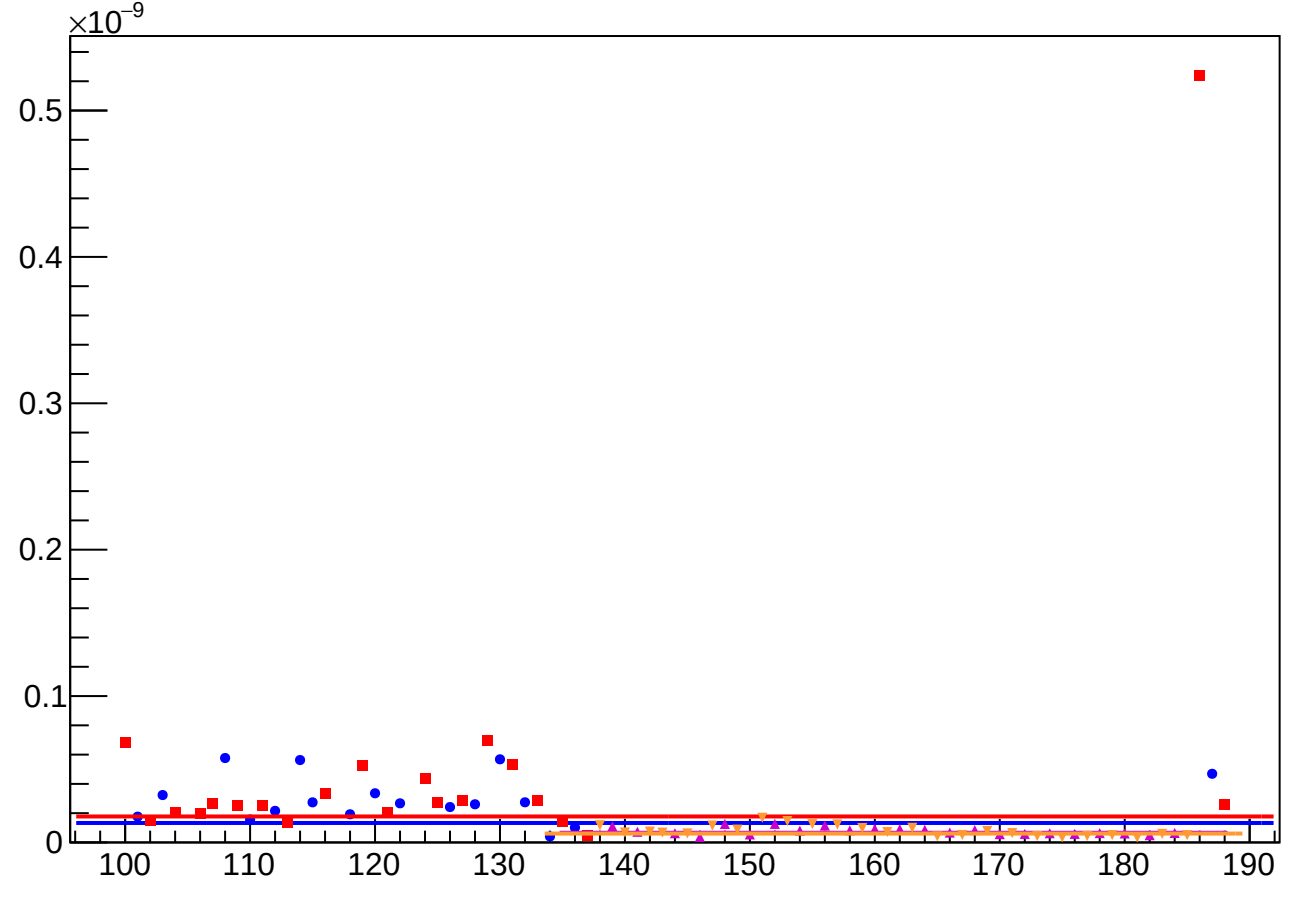
Left: 0.000+/-0.000 χ^2/NDF: 27.6/47

Right: -0.000+/-0.000 χ^2/NDF: 41.9/37

In: 0.000+/-0.000 χ^2/NDF:34.1/39

Out: 0.000+/-0.000 χ^2/NDF:36.8/45

All: 0.000+/-0.000 χ^2/NDF: 71.1/85



Right In: 0.000+/-0.000 χ^2/NDF: 2205130.2/16

Left Out: 0.000+/-0.000 χ^2/NDF:2413933.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2132206.9/20

Left In: 0.000+/-0.000 χ^2/NDF:1176996.8/22

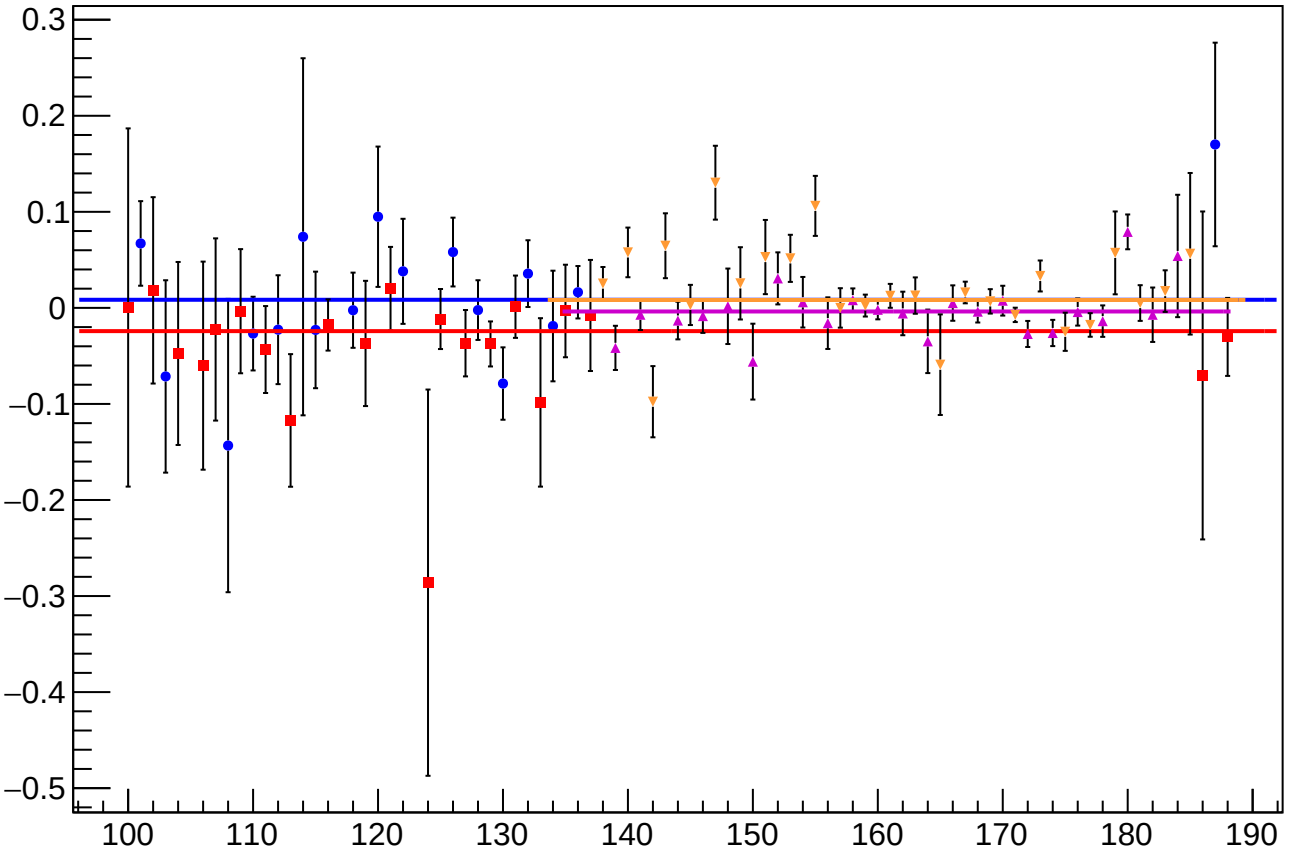
Left: 0.000+/-0.000 χ^2/NDF: 3636937.9/47

Right: 0.000+/-0.000 χ^2/NDF: 4523133.3/37

In: 0.000+/-0.000 χ^2/NDF:4326216.5/39

Out: 0.000+/-0.000 χ^2/NDF:6628192.6/45

All: 0.000+/-0.000 χ^2/NDF: 10998402.3/85



Right In: 0.008+/-0.011 χ^2/NDF: 17.4/16

Left Out: 0.008+/-0.003 χ^2/NDF:58.8/24

Right Out: -0.024+/-0.010 χ^2/NDF: 7.6/20

Left In: -0.004+/-0.004 χ^2/NDF:37.2/22

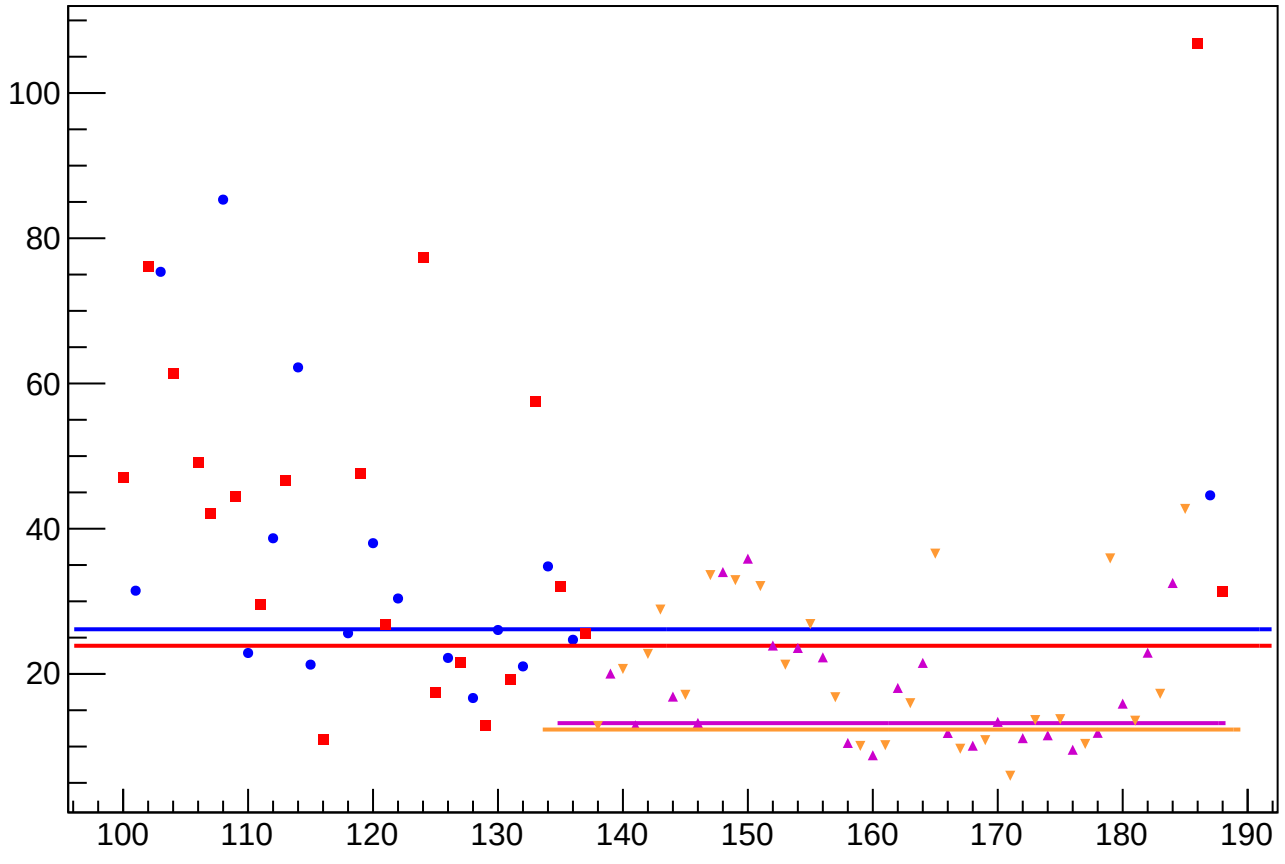
Left: 0.003+/-0.003 χ^2/NDF: 101.7/47

Right: -0.009+/-0.007 χ^2/NDF: 29.7/37

In: -0.003+/-0.003 χ^2/NDF:55.7/39

Out: 0.005+/-0.003 χ^2/NDF:75.6/45

All: 0.001+/-0.002 χ^2/NDF: 133.7/85



Right In: 26.151+/-0.008 χ^2/NDF: 1442885.4/16

Left Out: 12.343+/-0.002 χ^2/NDF:6743594.0/24

Right Out: 23.880+/-0.007 χ^2/NDF: 3913068.2/20

Left In: 13.225+/-0.003 χ^2/NDF:3870352.4/22

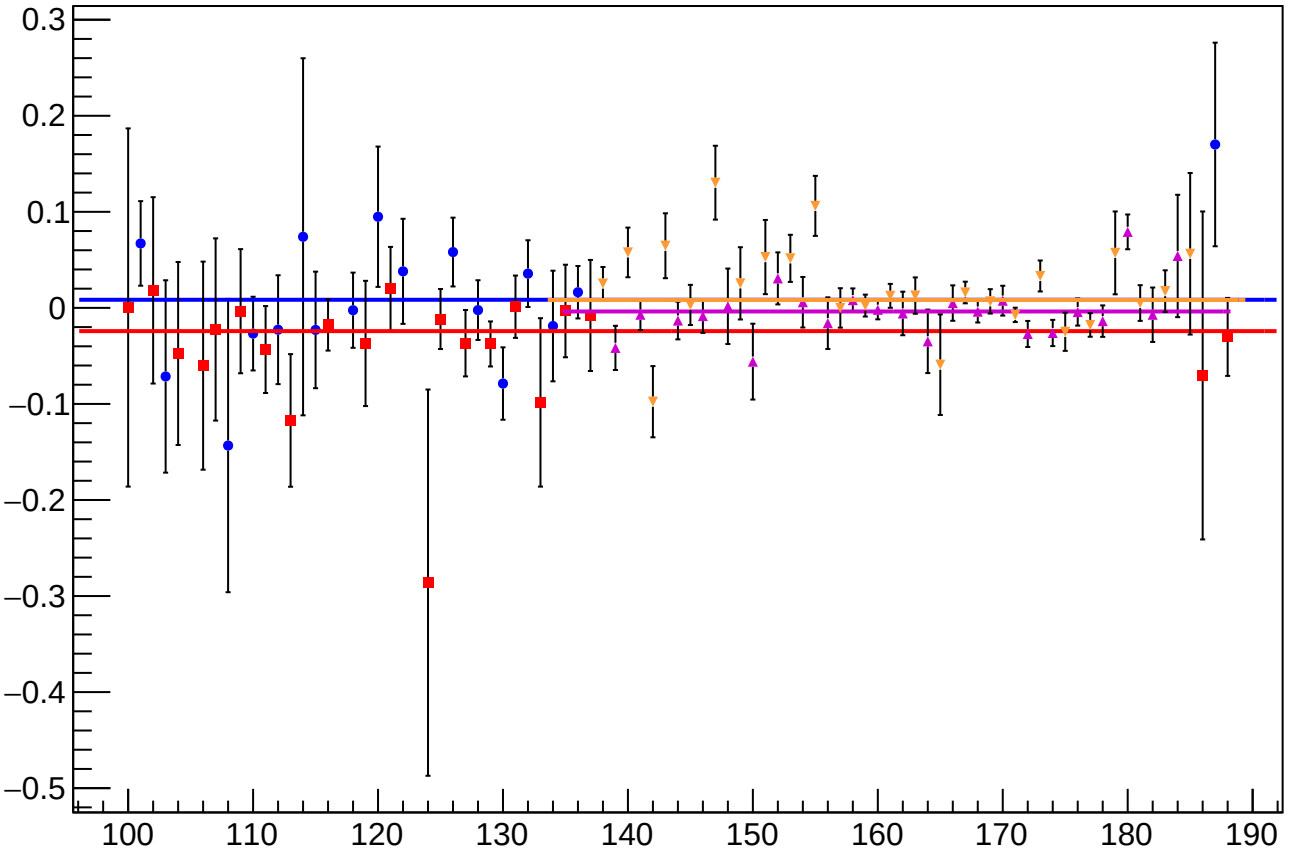
Left: 12.762+/-0.002 χ^2/NDF: 10675886.6/47

Right: 24.921+/-0.005 χ^2/NDF: 5401830.6/37

In: 14.489+/-0.002 χ^2/NDF:7787440.2/39

Out: 13.540+/-0.002 χ^2/NDF:12972981.6/45

All: 13.989+/-0.002 χ^2/NDF: 20839963.9/85



Right In: 0.008+/-0.011 χ^2/NDF: 17.4/16

Left Out: 0.008+/-0.003 χ^2/NDF:58.8/24

Right Out: -0.024+/-0.010 χ^2/NDF: 7.6/20

Left In: -0.004+/-0.004 χ^2/NDF:37.2/22

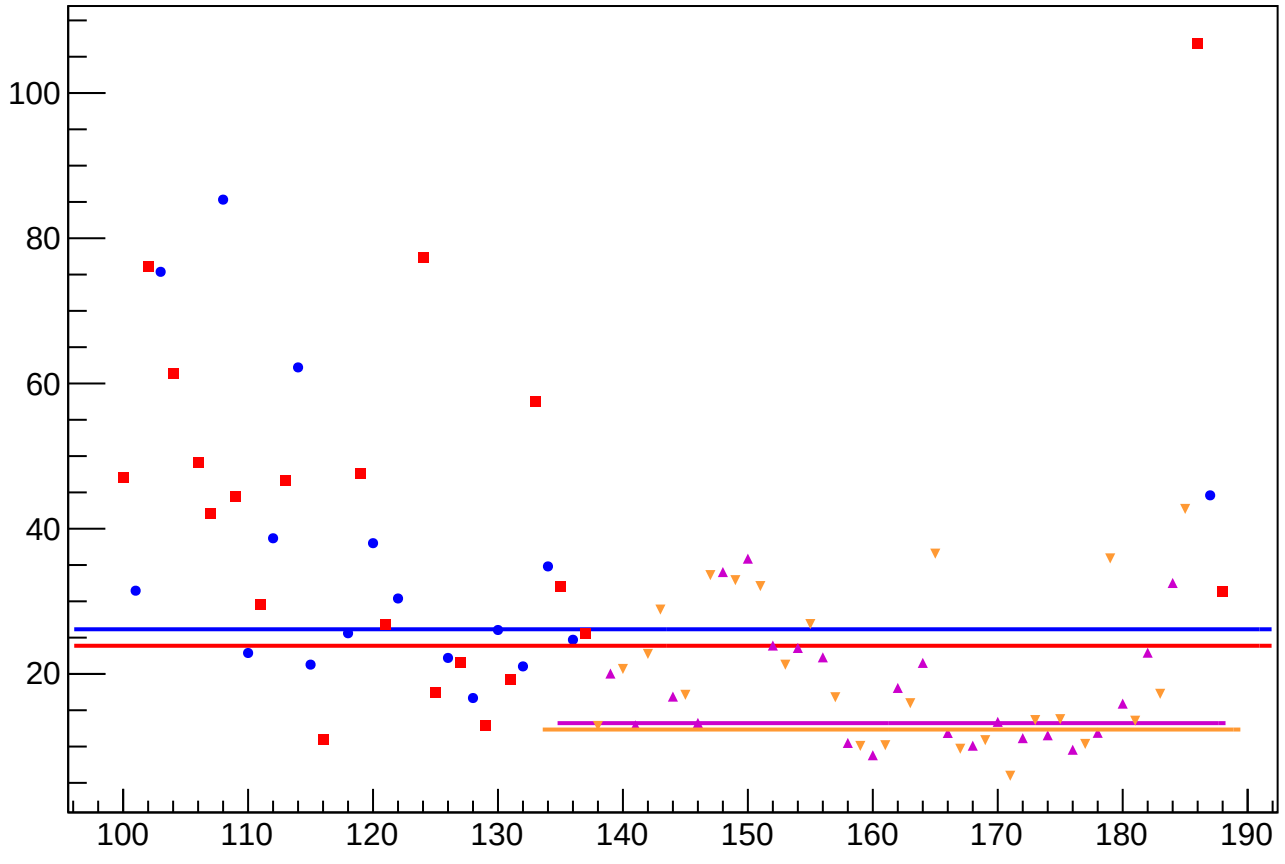
Left: 0.003+/-0.003 χ^2/NDF: 101.7/47

Right: -0.009+/-0.007 χ^2/NDF: 29.7/37

In: -0.003+/-0.003 χ^2/NDF:55.7/39

Out: 0.005+/-0.003 χ^2/NDF:75.6/45

All: 0.001+/-0.002 χ^2/NDF: 133.7/85



Right In: 26.151+/-0.008 χ^2/NDF: 1442885.4/16

Left Out: 12.343+/-0.002 χ^2/NDF:6743594.0/24

Right Out: 23.880+/-0.007 χ^2/NDF: 3913068.2/20

Left In: 13.225+/-0.003 χ^2/NDF:3870352.4/22

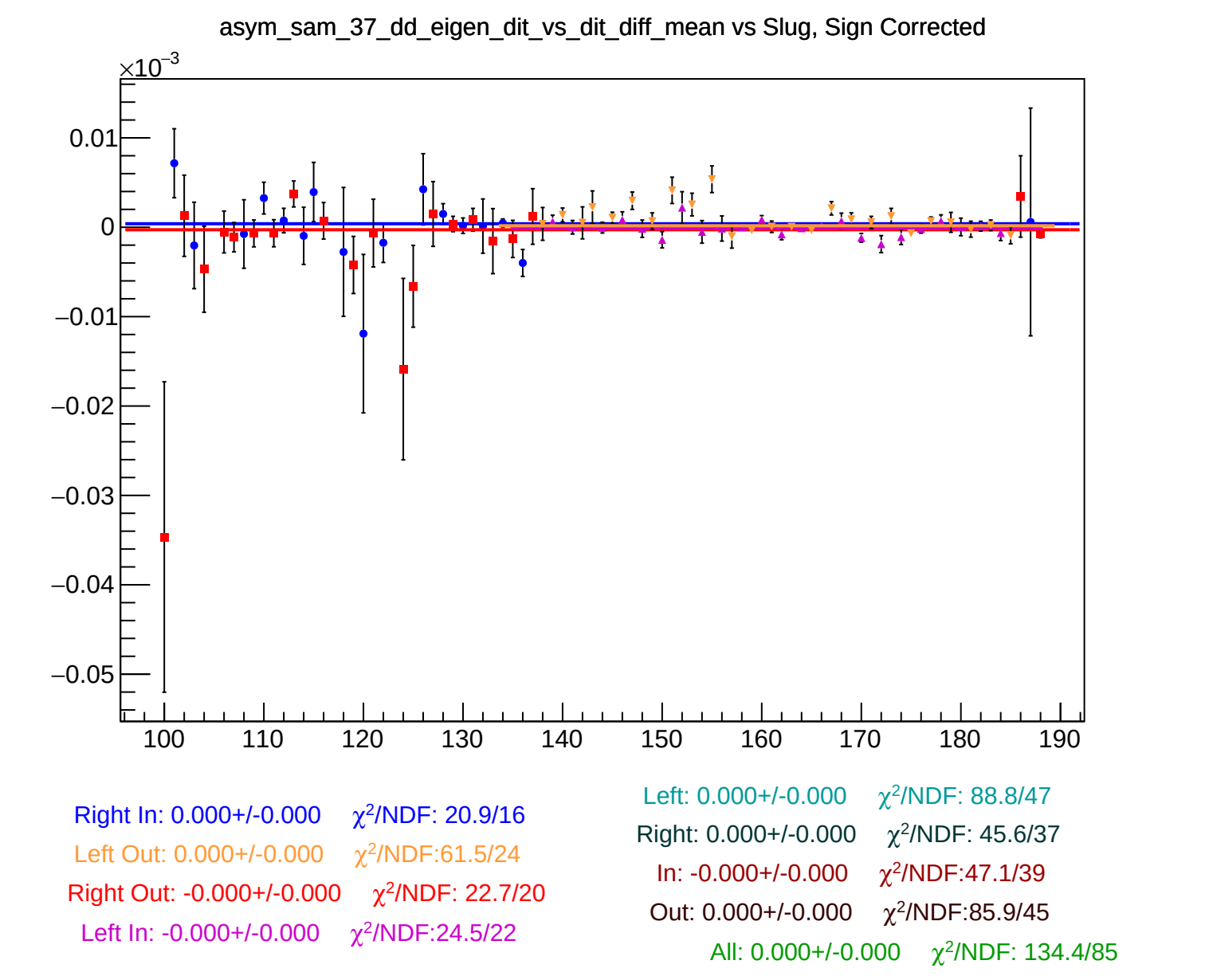
Left: 12.762+/-0.002 χ^2/NDF: 10675886.6/47

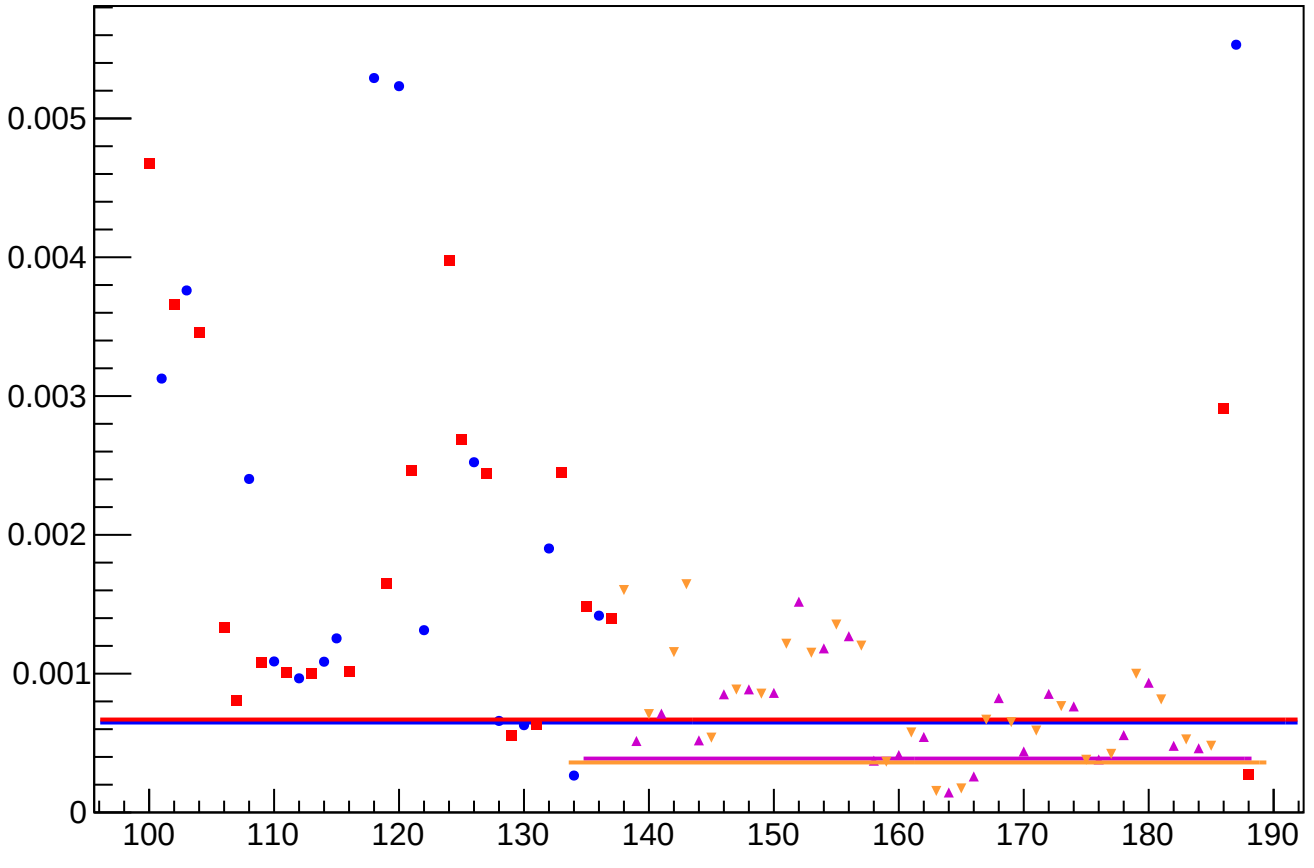
Right: 24.921+/-0.005 χ^2/NDF: 5401830.6/37

In: 14.489+/-0.002 χ^2/NDF:7787440.2/39

Out: 13.540+/-0.002 χ^2/NDF:12972981.6/45

All: 13.989+/-0.002 χ^2/NDF: 20839963.9/85


asym_sam_37_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.01
0
−0.01
−0.02
−0.03
−0.04
−0.05
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 20.9/16
Left Out: 0.000+/-0.000 χ²/NDF:61.5/24
Right Out: -0.000+/-0.000 χ²/NDF: 22.7/20
Left In: -0.000+/-0.000 χ²/NDF:24.5/22
Left: 0.000+/-0.000 χ²/NDF: 88.8/47
Right: 0.000+/-0.000 χ²/NDF: 45.6/37
In: -0.000+/-0.000 χ²/NDF:47.1/39
Out: 0.000+/-0.000 χ²/NDF:85.9/45
All: 0.000+/-0.000 χ²/NDF: 134.4/85



Right In: 0.001+/-0.000 χ^2/NDF: 6869770.7/16

Left Out: 0.000+/-0.000 χ^2/NDF:14019628.7/24

Right Out: 0.001+/-0.000 χ^2/NDF: 6823488.5/20

Left In: 0.000+/-0.000 χ^2/NDF:10459340.6/22

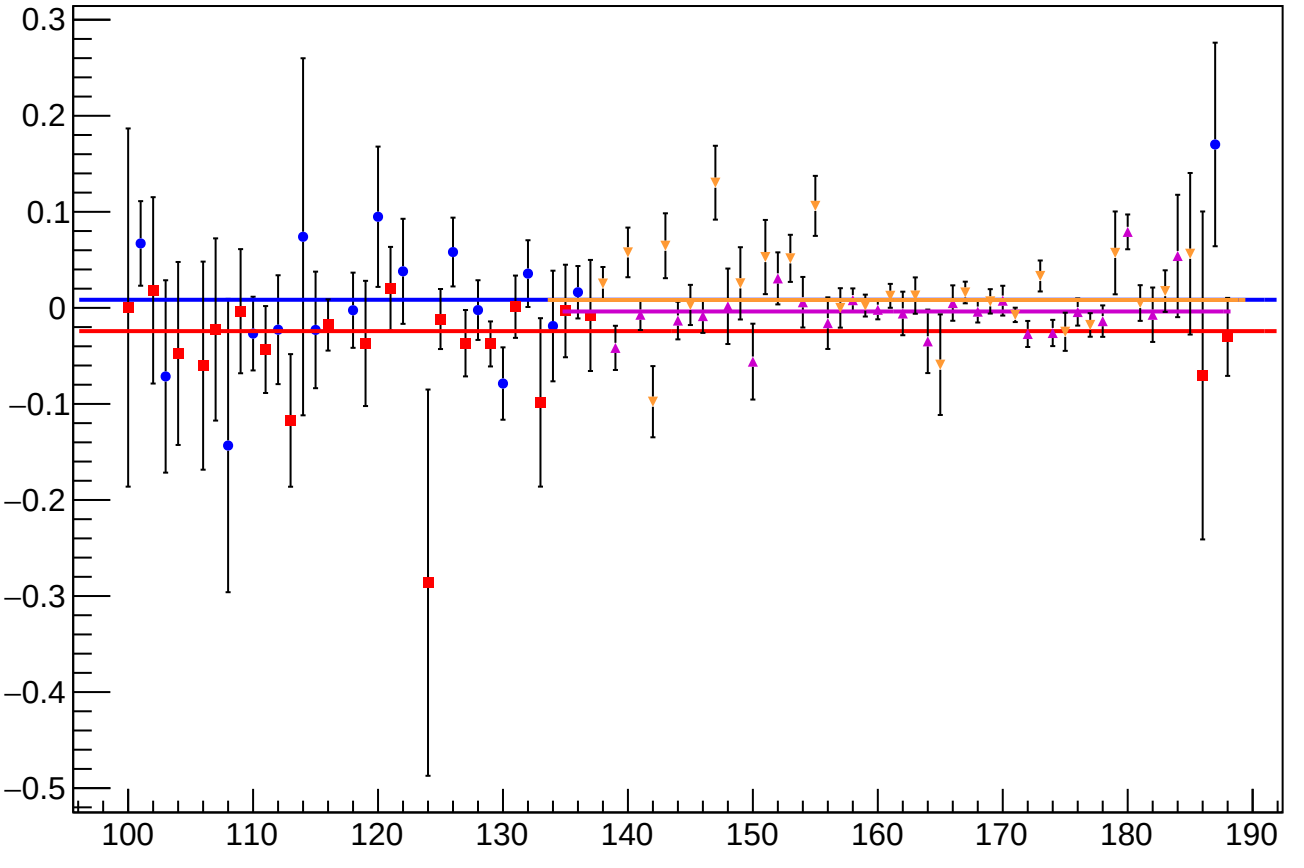
Left: 0.000+/-0.000 χ^2/NDF: 24545127.9/47

Right: 0.001+/-0.000 χ^2/NDF: 13697428.1/37

In: 0.000+/-0.000 χ^2/NDF:18383779.2/39

Out: 0.000+/-0.000 χ^2/NDF:22502470.9/45

All: 0.000+/-0.000 χ^2/NDF: 40940369.3/85



Right In: 0.008+/-0.011 χ^2/NDF: 17.4/16

Left Out: 0.008+/-0.003 χ^2/NDF:58.8/24

Right Out: -0.024+/-0.010 χ^2/NDF: 7.6/20

Left In: -0.004+/-0.004 χ^2/NDF:37.2/22

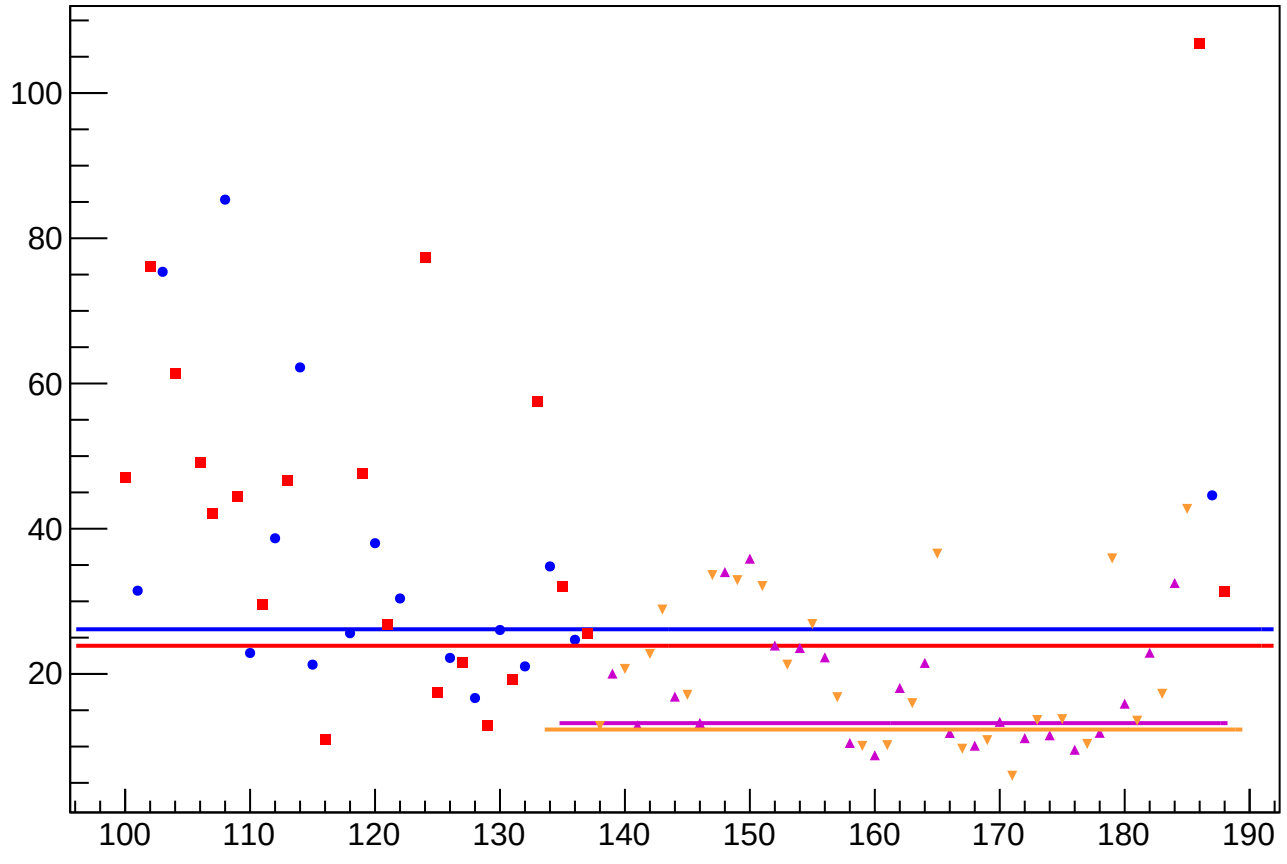
Left: 0.003+/-0.003 χ^2/NDF: 101.7/47

Right: -0.009+/-0.007 χ^2/NDF: 29.7/37

In: -0.003+/-0.003 χ^2/NDF:55.7/39

Out: 0.005+/-0.003 χ^2/NDF:75.6/45

All: 0.001+/-0.002 χ^2/NDF: 133.7/85



Right In: 26.152+/-0.008 χ^2/NDF: 1442832.6/16

Left Out: 12.343+/-0.002 χ^2/NDF:6743823.4/24

Right Out: 23.881+/-0.007 χ^2/NDF: 3912876.2/20

Left In: 13.225+/-0.003 χ^2/NDF:3870507.9/22

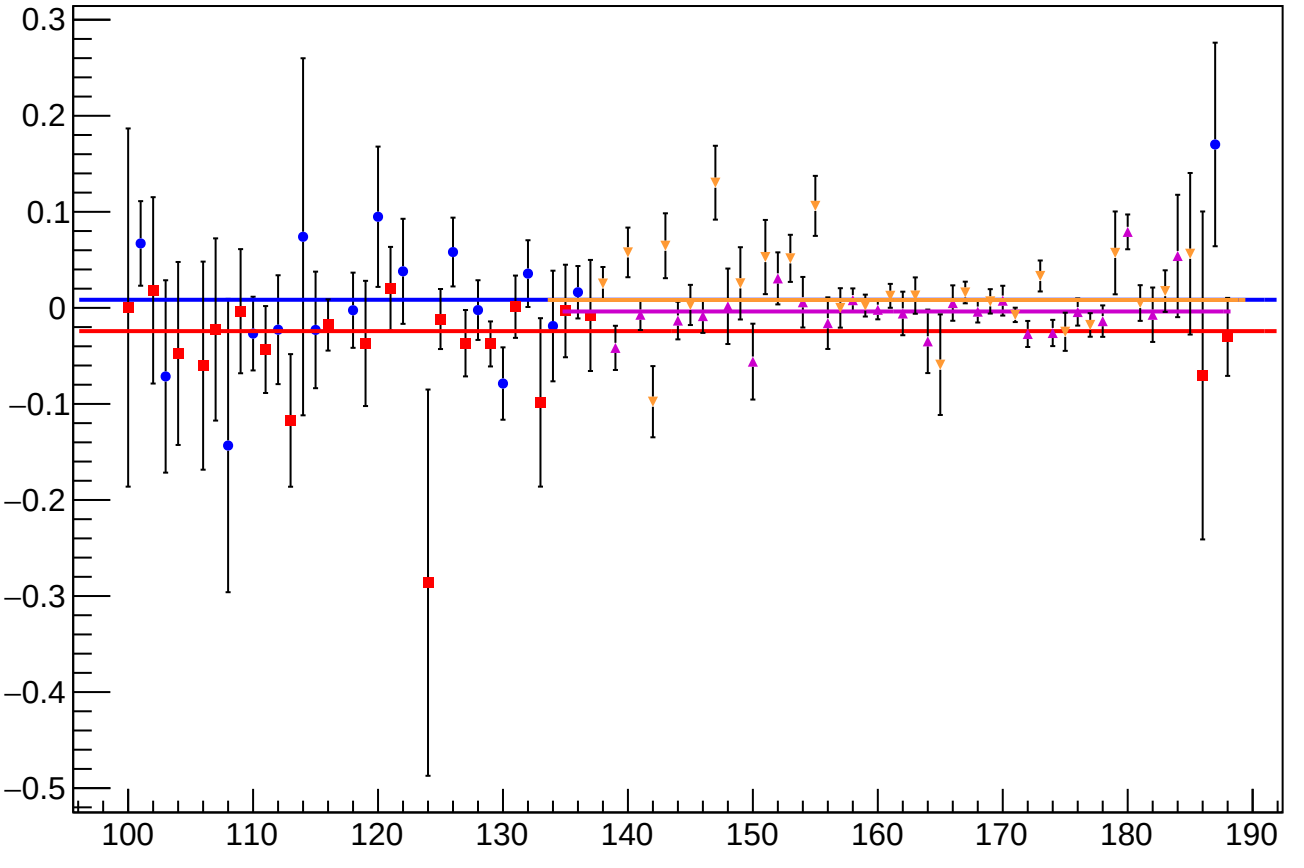
Left: 12.762+/-0.002 χ^2/NDF: 10676265.0/47

Right: 24.921+/-0.005 χ^2/NDF: 5401580.4/37

In: 14.489+/-0.002 χ^2/NDF:7787627.3/39

Out: 13.541+/-0.002 χ^2/NDF:12973122.5/45

All: 13.989+/-0.002 χ^2/NDF: 20840282.8/85



Right In: 0.008+/-0.011 χ^2/NDF: 17.4/16

Left Out: 0.008+/-0.003 χ^2/NDF:58.8/24

Right Out: -0.024+/-0.010 χ^2/NDF: 7.6/20

Left In: -0.004+/-0.004 χ^2/NDF:37.2/22

Left: 0.003+/-0.003 χ^2/NDF: 101.7/47

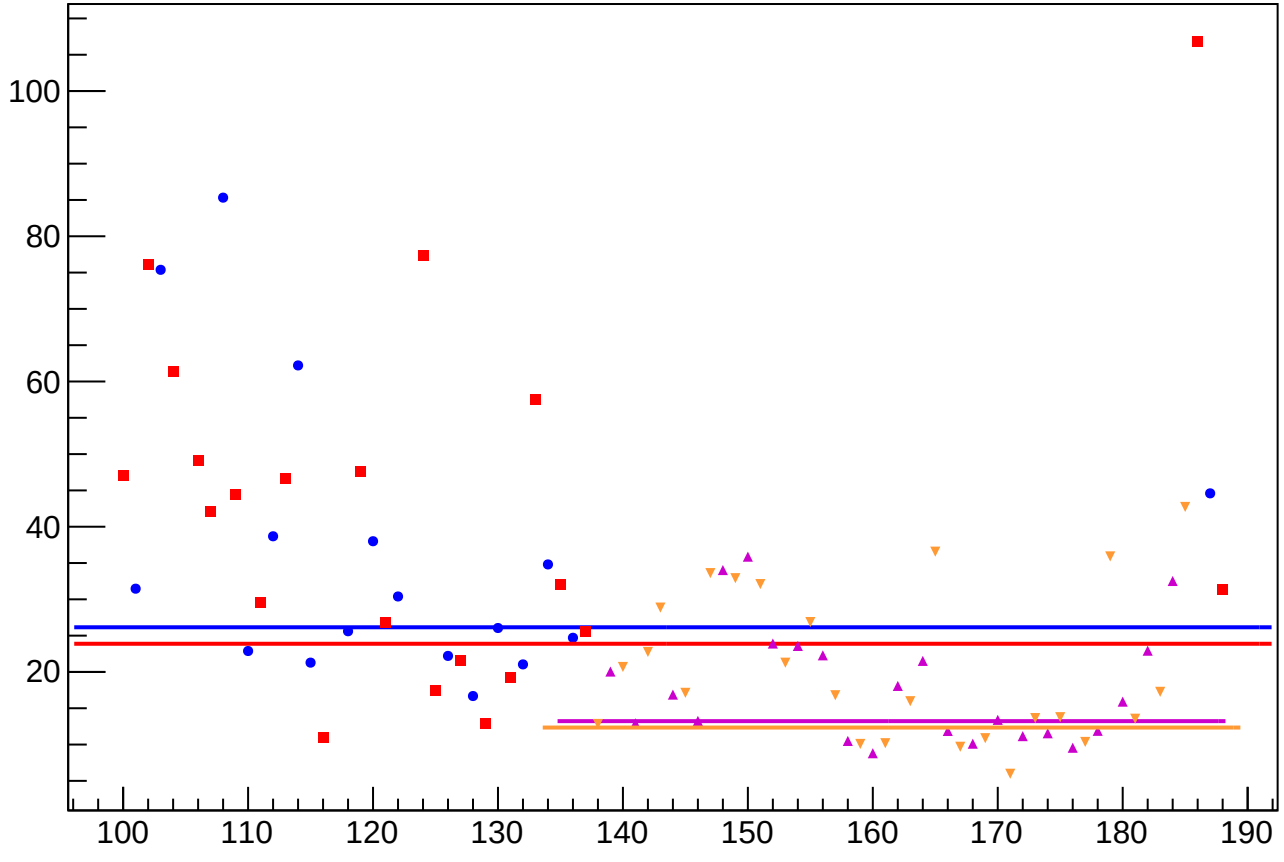
Right: -0.009+/-0.007 χ^2/NDF: 29.7/37

In: -0.003+/-0.003 χ^2/NDF:55.7/39

Out: 0.005+/-0.003 χ^2/NDF:75.6/45

All: 0.001+/-0.002 χ^2/NDF: 133.7/85

asym_sam_37_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 26.152+/-0.008 χ^2/NDF: 1442832.6/16

Left Out: 12.343+/-0.002 χ^2/NDF:6743823.4/24

Right Out: 23.881+/-0.007 χ^2/NDF: 3912876.2/20

Left In: 13.225+/-0.003 χ^2/NDF:3870507.9/22

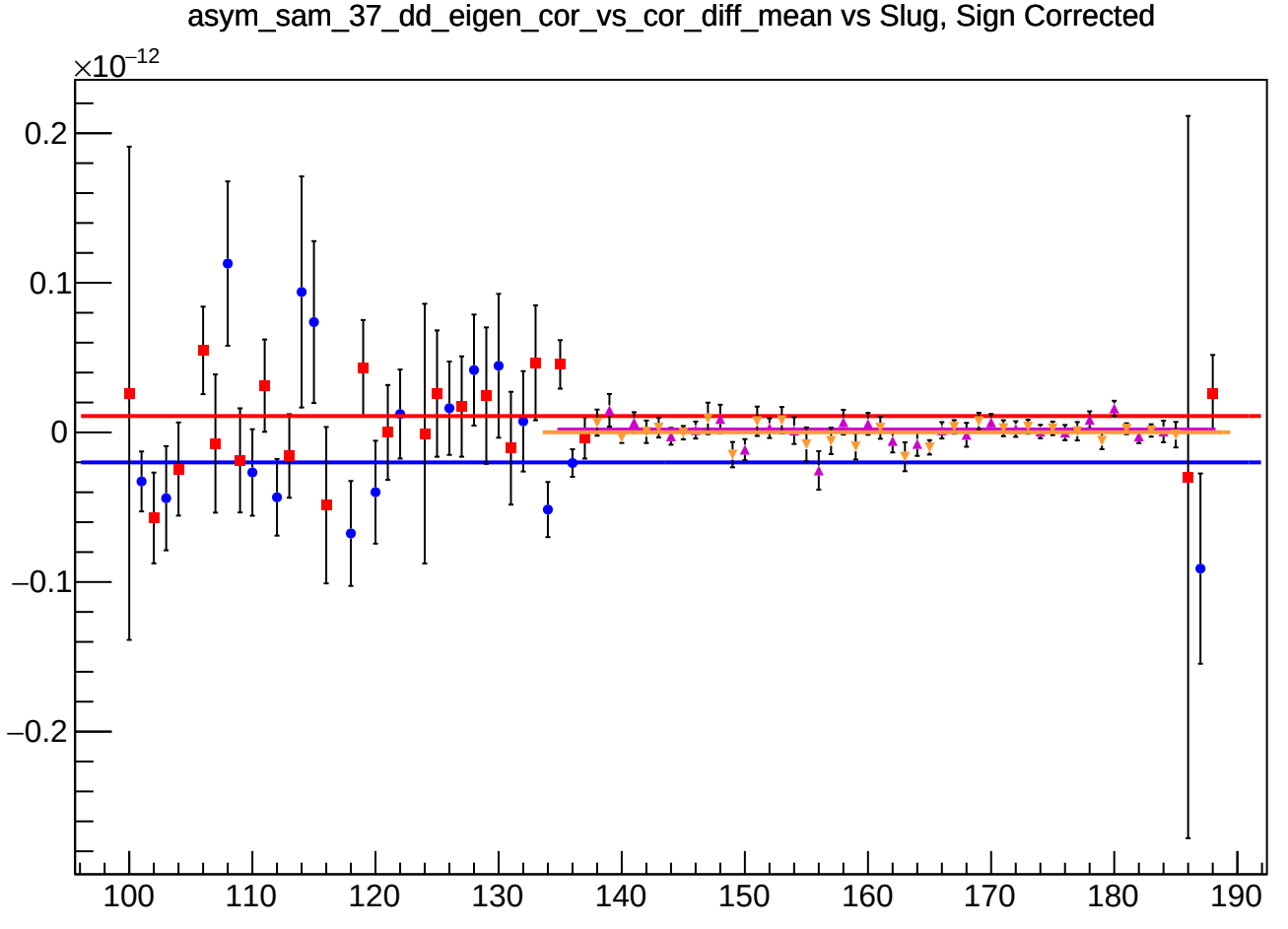
Left: 12.762+/-0.002 χ^2/NDF: 10676265.0/47

Right: 24.921+/-0.005 χ^2/NDF: 5401580.4/37

In: 14.489+/-0.002 χ^2/NDF:7787627.3/39

Out: 13.541+/-0.002 χ^2/NDF:12973122.5/45

All: 13.989+/-0.002 χ^2/NDF: 20840282.8/85



Right In: -0.000+/-0.000 χ^2/NDF: 26.9/16

Left Out: 0.000+/-0.000 χ^2/NDF:21.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 20.7/20

Left In: 0.000+/-0.000 χ^2/NDF:25.4/22

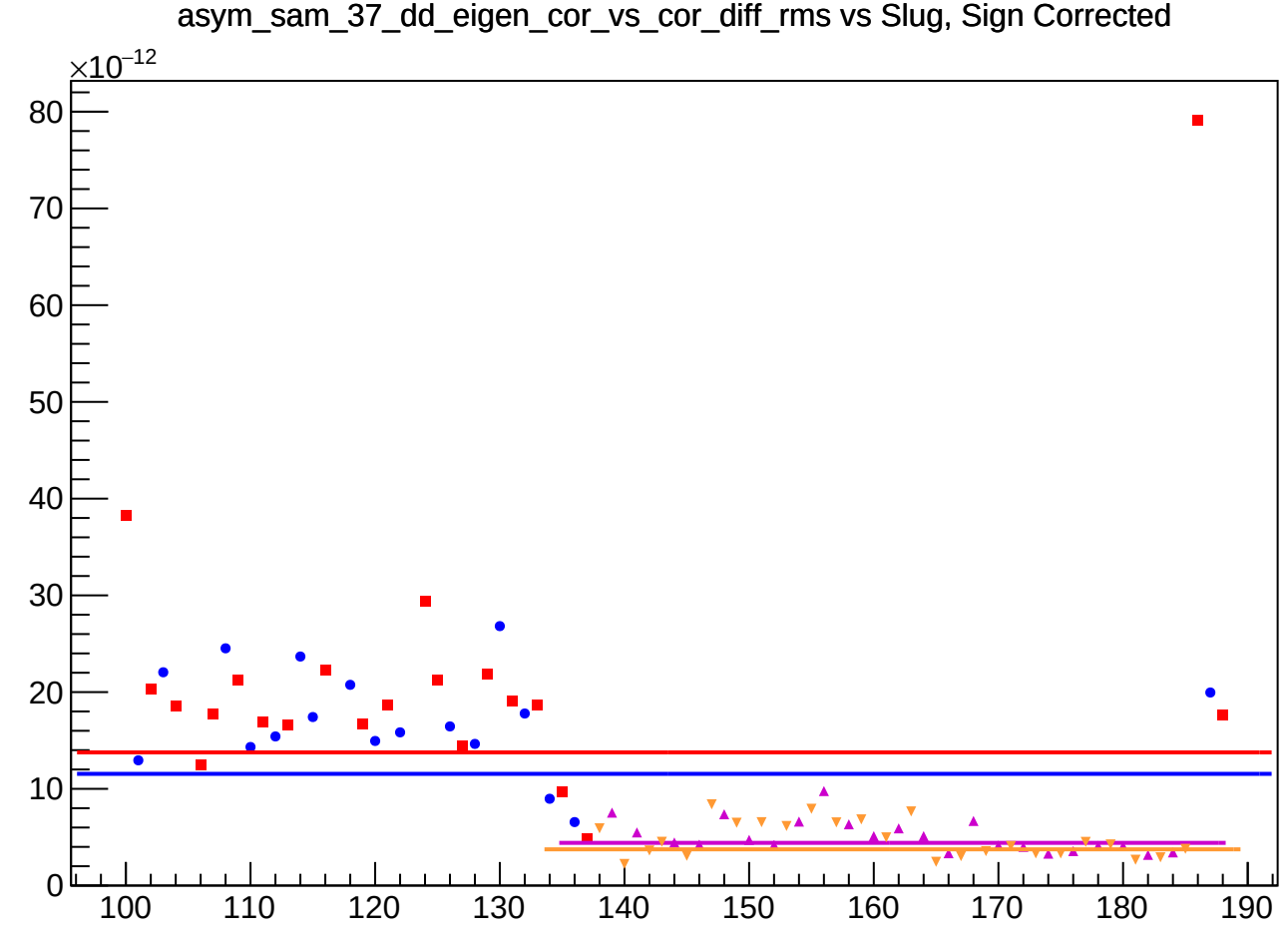
Left: 0.000+/-0.000 χ^2/NDF: 48.0/47

Right: -0.000+/-0.000 χ^2/NDF: 59.8/37

In: 0.000+/-0.000 χ^2/NDF:65.1/39

Out: 0.000+/-0.000 χ^2/NDF:44.9/45

All: 0.000+/-0.000 χ^2/NDF: 110.1/85



Right In: 0.000+/-0.000 χ^2/NDF: 1633867.8/16

Left Out: 0.000+/-0.000 χ^2/NDF:3083424.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 1870555.1/20

Left In: 0.000+/-0.000 χ^2/NDF:1736522.0/22

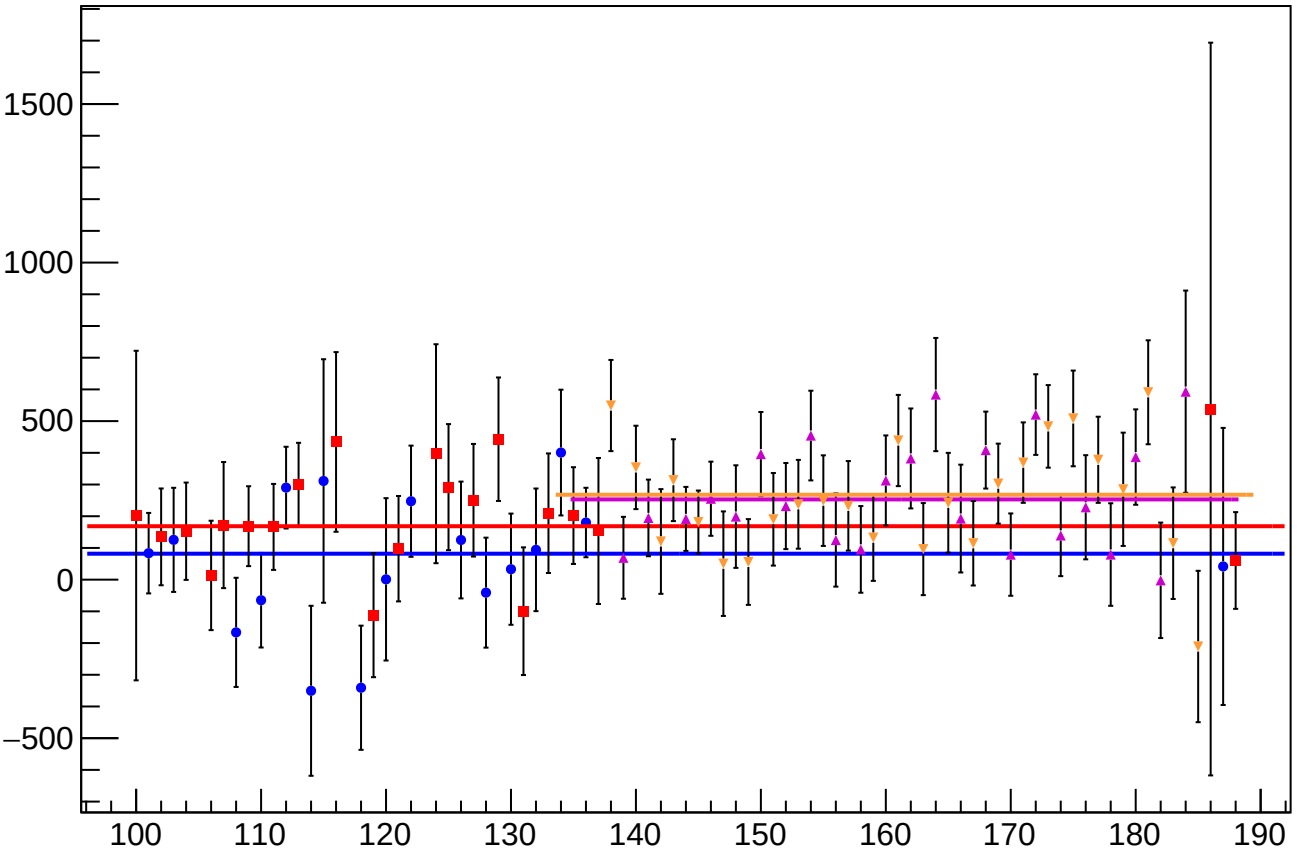
Left: 0.000+/-0.000 χ^2/NDF: 5111609.7/47

Right: 0.000+/-0.000 χ^2/NDF: 3629019.2/37

In: 0.000+/-0.000 χ^2/NDF:6062896.5/39

Out: 0.000+/-0.000 χ^2/NDF:9493534.6/45

All: 0.000+/-0.000 χ^2/NDF: 15881162.1/85



Right In: 81.823+/-41.939 χ^2/NDF: 18.4/16

Left Out: 267.782+/-28.407 χ^2/NDF:31.0/24

Right Out: 168.503+/-39.277 χ^2/NDF: 10.5/20

Left In: 253.048+/-29.313 χ^2/NDF:26.2/22

Left: 260.646+/-20.400 χ^2/NDF: 57.3/47

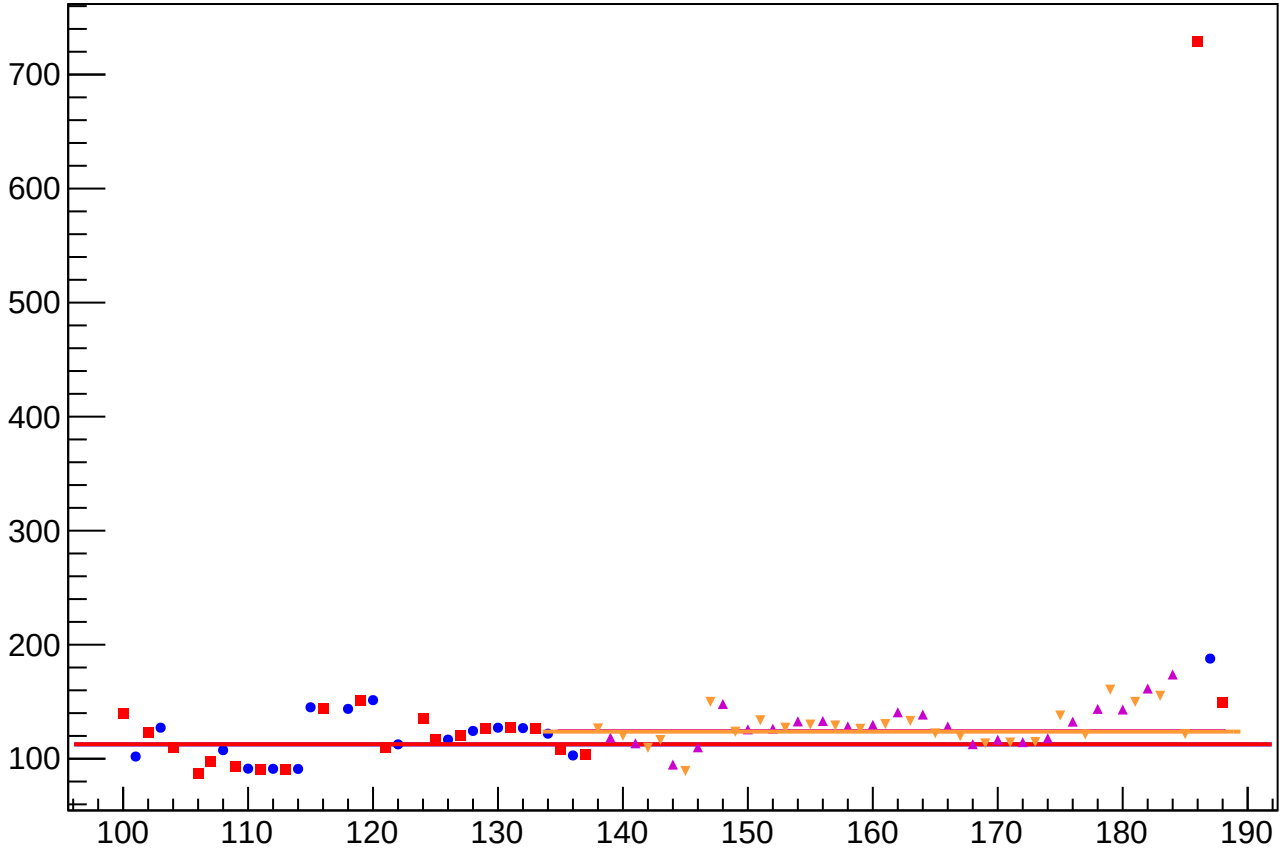
Right: 128.001+/-28.668 χ^2/NDF: 31.2/37

In: 196.852+/-24.026 χ^2/NDF:55.8/39

Out: 233.685+/-23.018 χ^2/NDF:45.7/45

All: 216.057+/-16.621 χ^2/NDF: 102.7/85

reg_asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 112.562+/-0.030 χ^2/NDF: 365900.2/16

Left Out: 123.807+/-0.020 χ^2/NDF:598444.2/24

Right Out: 112.704+/-0.028 χ^2/NDF: 1064565.8/20

Left In: 124.259+/-0.021 χ^2/NDF:557214.9/22

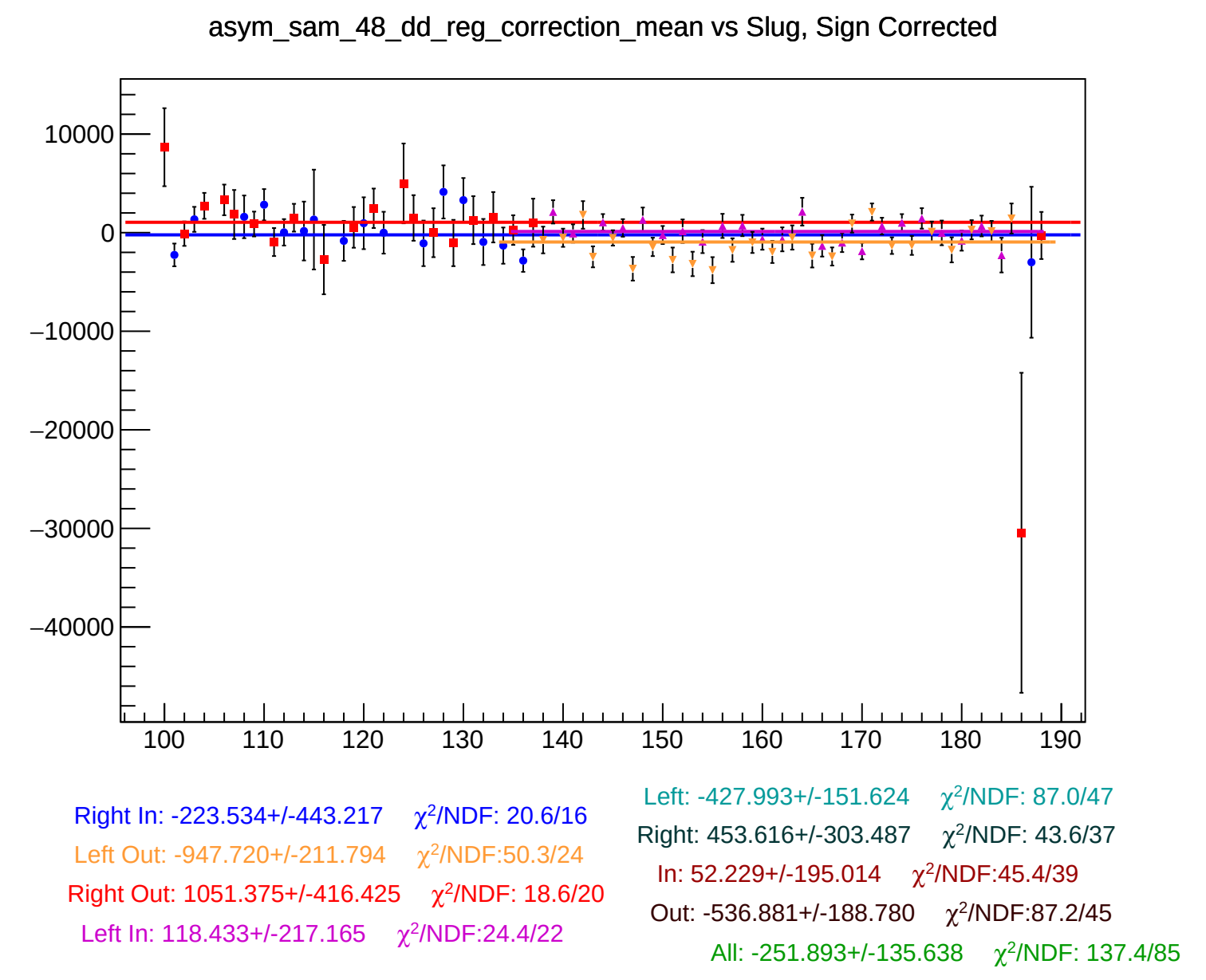
Left: 124.026+/-0.014 χ^2/NDF: 1155903.7/47

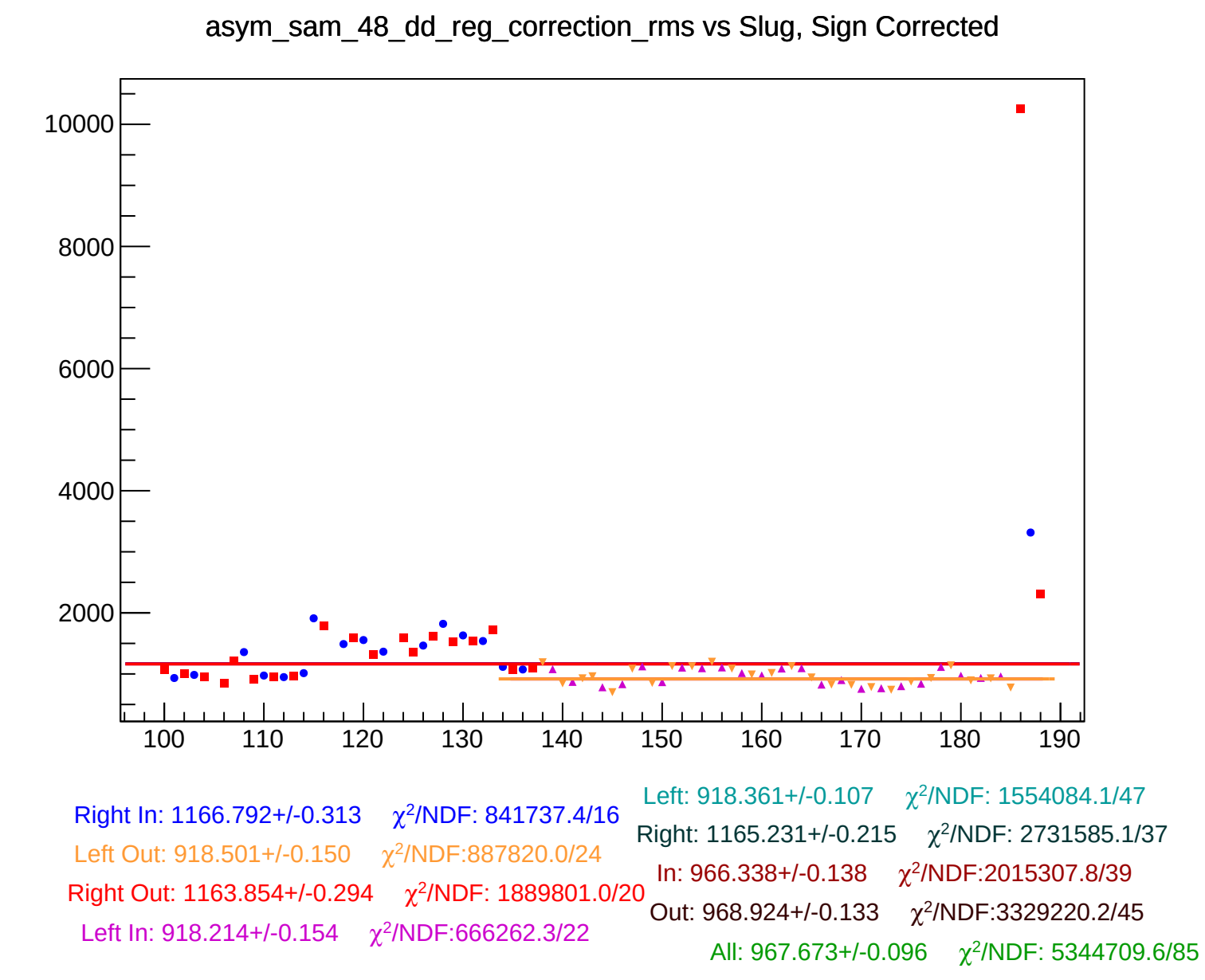
Right: 112.637+/-0.020 χ^2/NDF: 1430478.2/37

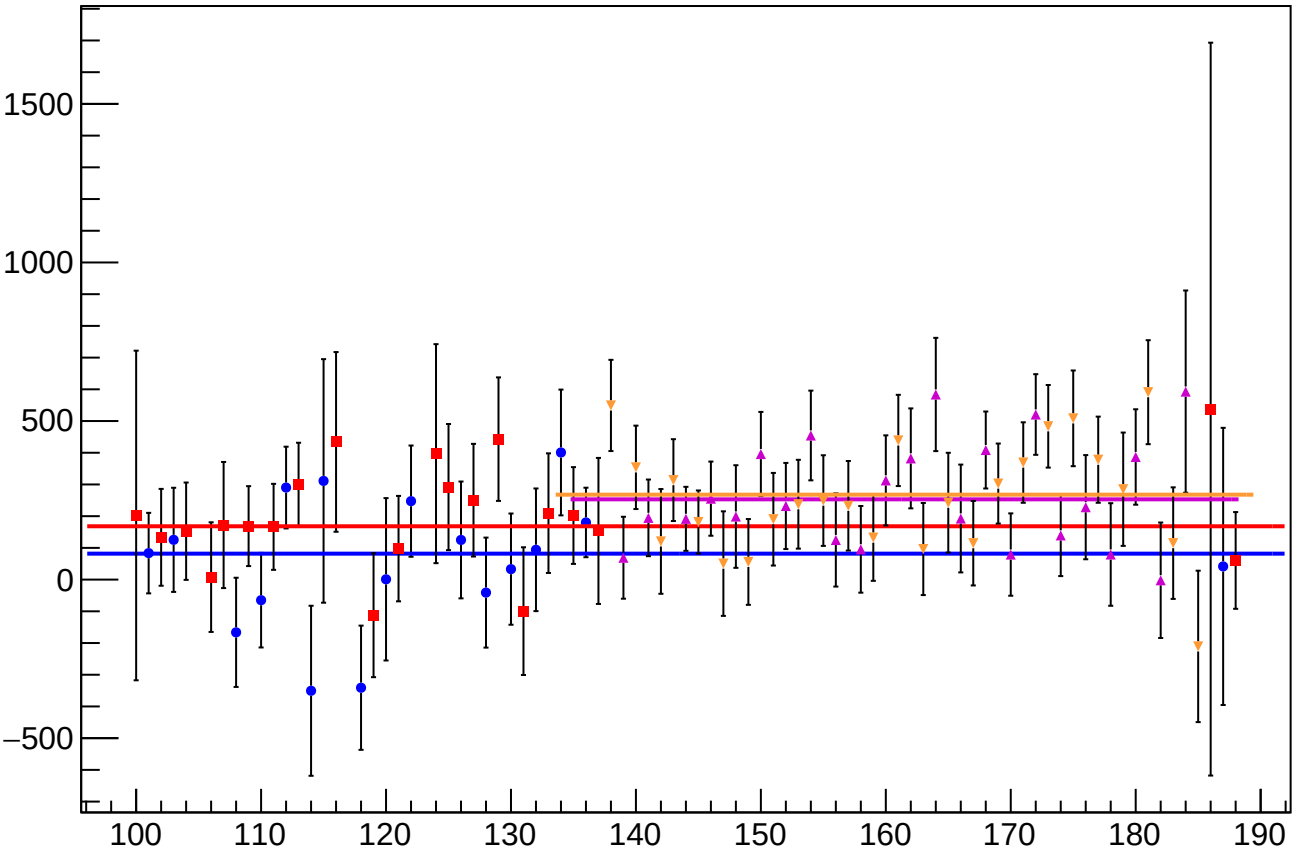
In: 120.420+/-0.017 χ^2/NDF:1027635.9/39

Out: 119.994+/-0.016 χ^2/NDF:1767957.0/45

All: 120.198+/-0.012 χ^2/NDF: 2795920.9/85


asym_sam_48_dd_reg_correction_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
160
170
180
190
Right In: -223.534+/-443.217 χ²/NDF: 20.6/16
Left Out: -947.720+/-211.794 χ²/NDF:50.3/24
Right Out: 1051.375+/-416.425 χ²/NDF: 18.6/20
Left In: 118.433+/-217.165 χ²/NDF:24.4/22
Left: -427.993+/-151.624 χ²/NDF: 87.0/47
Right: 453.616+/-303.487 χ²/NDF: 43.6/37
In: 52.229+/-195.014 χ²/NDF:45.4/39
Out: -536.881+/-188.780 χ²/NDF:87.2/45
All: -251.893+/-135.638 χ²/NDF: 137.4/85


asym_sam_48_dd_reg_correction_rms vs Slug, Sign Corrected
10000
8000
6000
4000
2000
100
110
120
130
140
150
160
170
180
190
Right In: 1166.792+/-0.313 χ²/NDF: 841737.4/16
Left Out: 918.501+/-0.150 χ²/NDF:887820.0/24
Right Out: 1163.854+/-0.294 χ²/NDF: 1889801.0/20
Left In: 918.214+/-0.154 χ²/NDF:666262.3/22
Left: 918.361+/-0.107 χ²/NDF: 1554084.1/47
Right: 1165.231+/-0.215 χ²/NDF: 2731585.1/37
In: 966.338+/-0.138 χ²/NDF:2015307.8/39
Out: 968.924+/-0.133 χ²/NDF:3329220.2/45
All: 967.673+/-0.096 χ²/NDF: 5344709.6/85



Right In: 81.811+/-41.939 χ^2/NDF: 18.4/16

Left Out: 267.791+/-28.407 χ^2/NDF:31.0/24

Right Out: 168.133+/-39.282 χ^2/NDF: 10.6/20

Left In: 253.051+/-29.313 χ^2/NDF:26.2/22

Left: 260.652+/-20.400 χ^2/NDF: 57.3/47

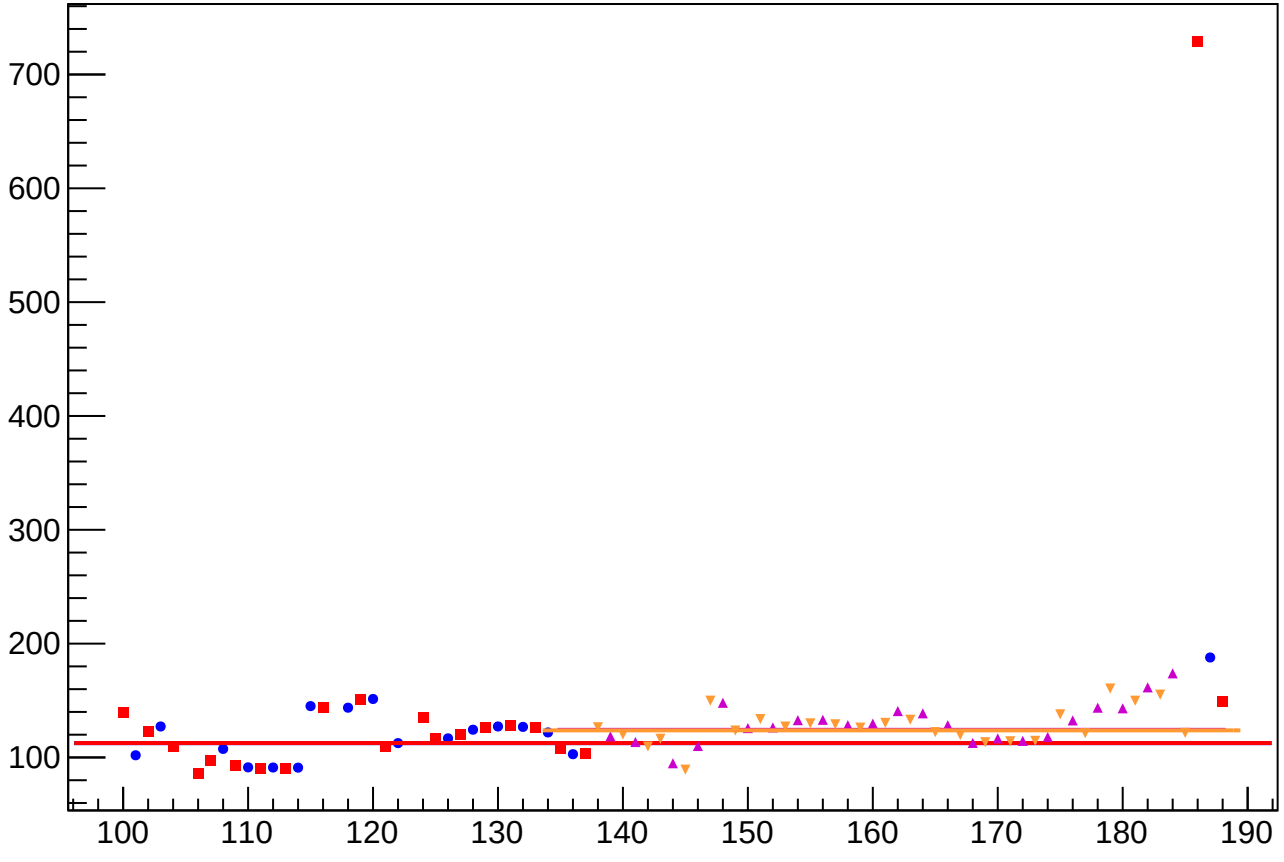
Right: 127.793+/-28.670 χ^2/NDF: 31.2/37

In: 196.851+/-24.026 χ^2/NDF:55.8/39

Out: 233.569+/-23.019 χ^2/NDF:45.8/45

All: 215.996+/-16.621 χ^2/NDF: 102.8/85

cor_asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 112.562+/-0.030 χ^2/NDF: 365901.3/16

Left Out: 123.807+/-0.020 χ^2/NDF:598444.2/24

Right Out: 112.652+/-0.028 χ^2/NDF: 1068510.4/20

Left In: 124.259+/-0.021 χ^2/NDF:557214.9/22

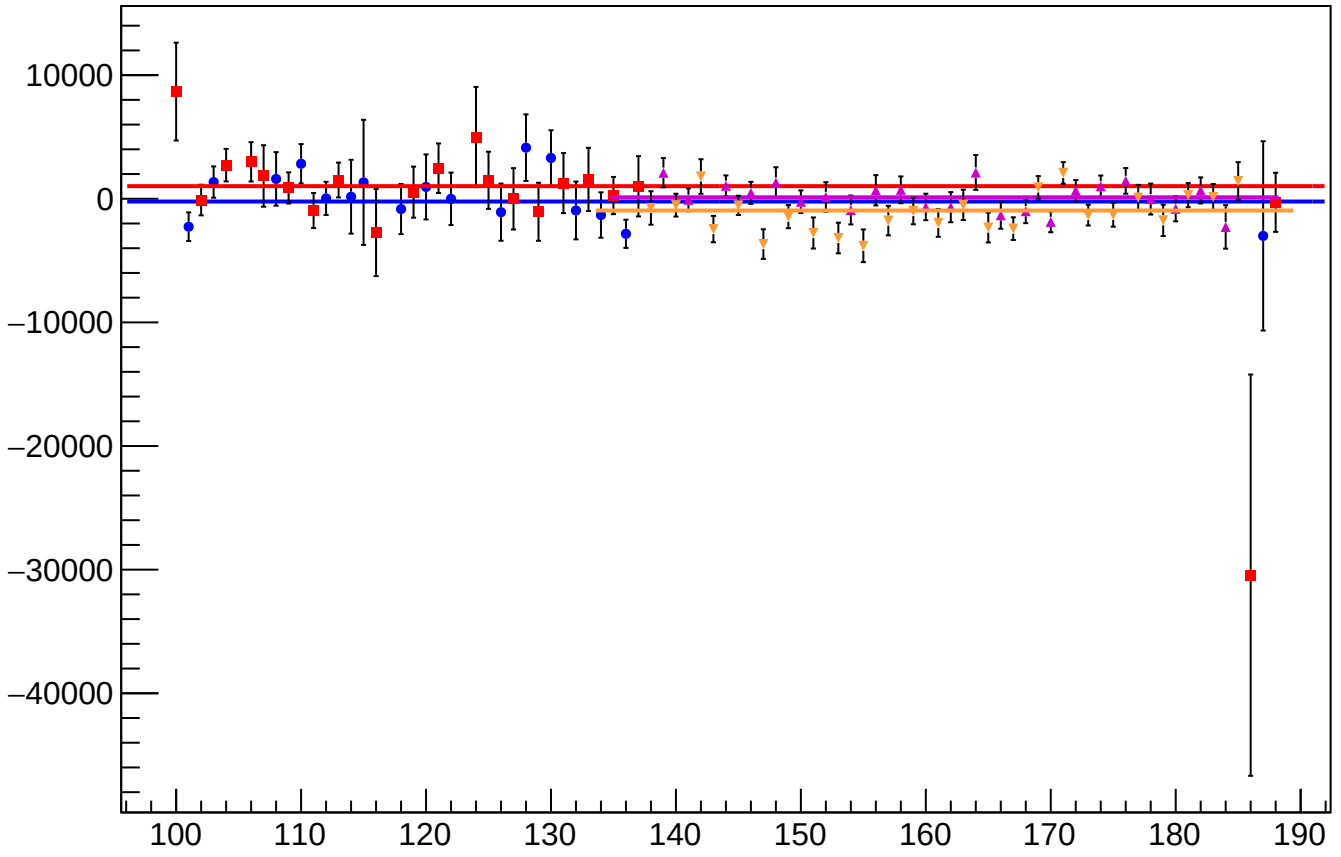
Left: 124.026+/-0.014 χ^2/NDF: 1155903.8/47

Right: 112.610+/-0.020 χ^2/NDF: 1434416.7/37

In: 120.420+/-0.017 χ^2/NDF:1027636.5/39

Out: 119.977+/-0.016 χ^2/NDF:1772859.5/45

All: 120.189+/-0.012 χ^2/NDF: 2800850.8/85



Right In: -223.625+/-443.221 χ^2/NDF: 20.6/16

Left Out: -947.709+/-211.794 χ^2/NDF:50.3/24

Right Out: 1021.360+/-417.127 χ^2/NDF: 18.0/20

Left In: 118.435+/-217.165 χ^2/NDF:24.4/22

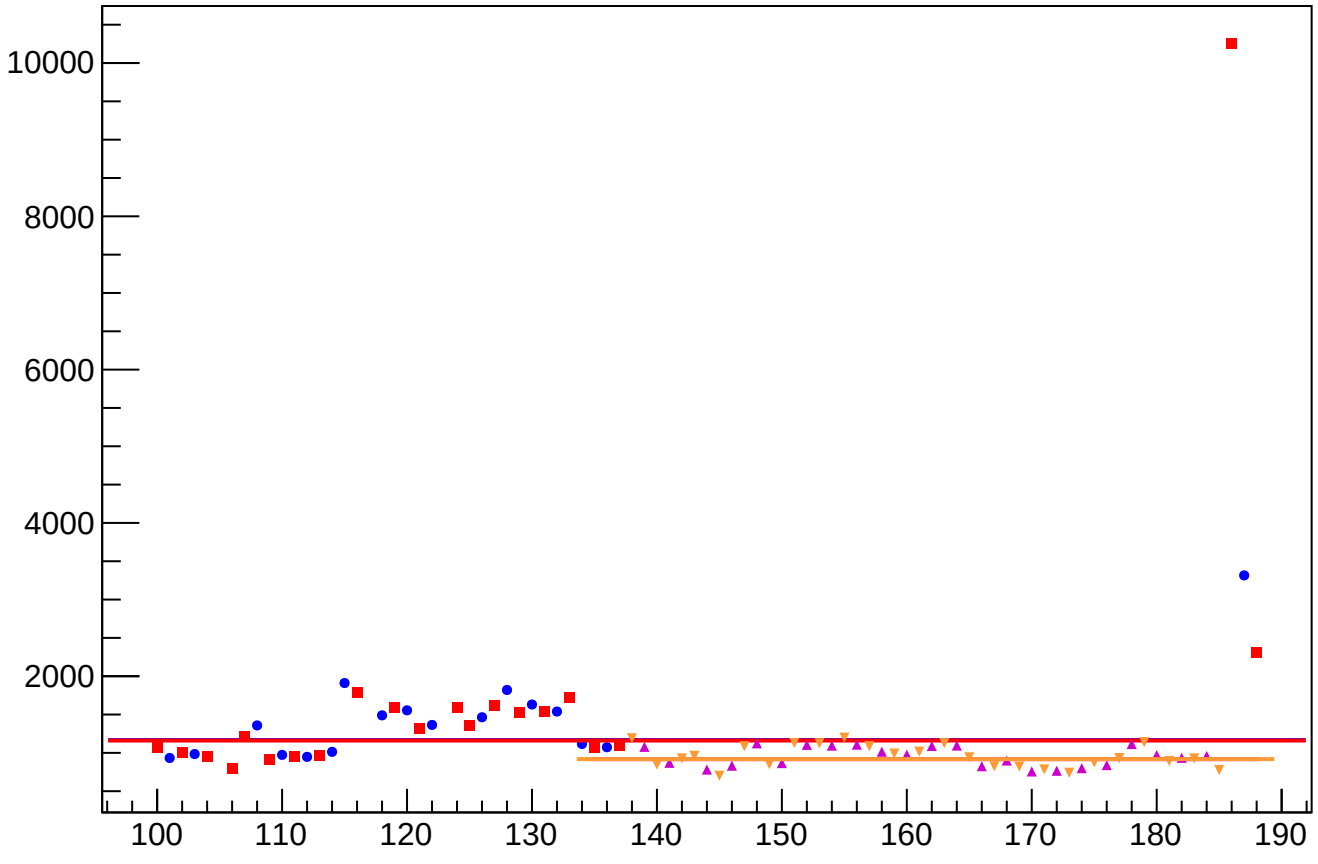
Left: -427.986+/-151.624 χ^2/NDF: 87.0/47

Right: 436.592+/-303.759 χ^2/NDF: 42.7/37

In: 52.214+/-195.015 χ^2/NDF:45.4/39

Out: -544.122+/-188.845 χ^2/NDF:86.0/45

All: -255.536+/-135.662 χ^2/NDF: 136.2/85



Right In: 1166.801+/-0.313 χ^2/NDF: 841704.6/16

Left Out: 918.501+/-0.150 χ^2/NDF:887819.5/24

Right Out: 1161.480+/-0.295 χ^2/NDF: 1913058.4/20

Left In: 918.214+/-0.154 χ^2/NDF:666263.4/22

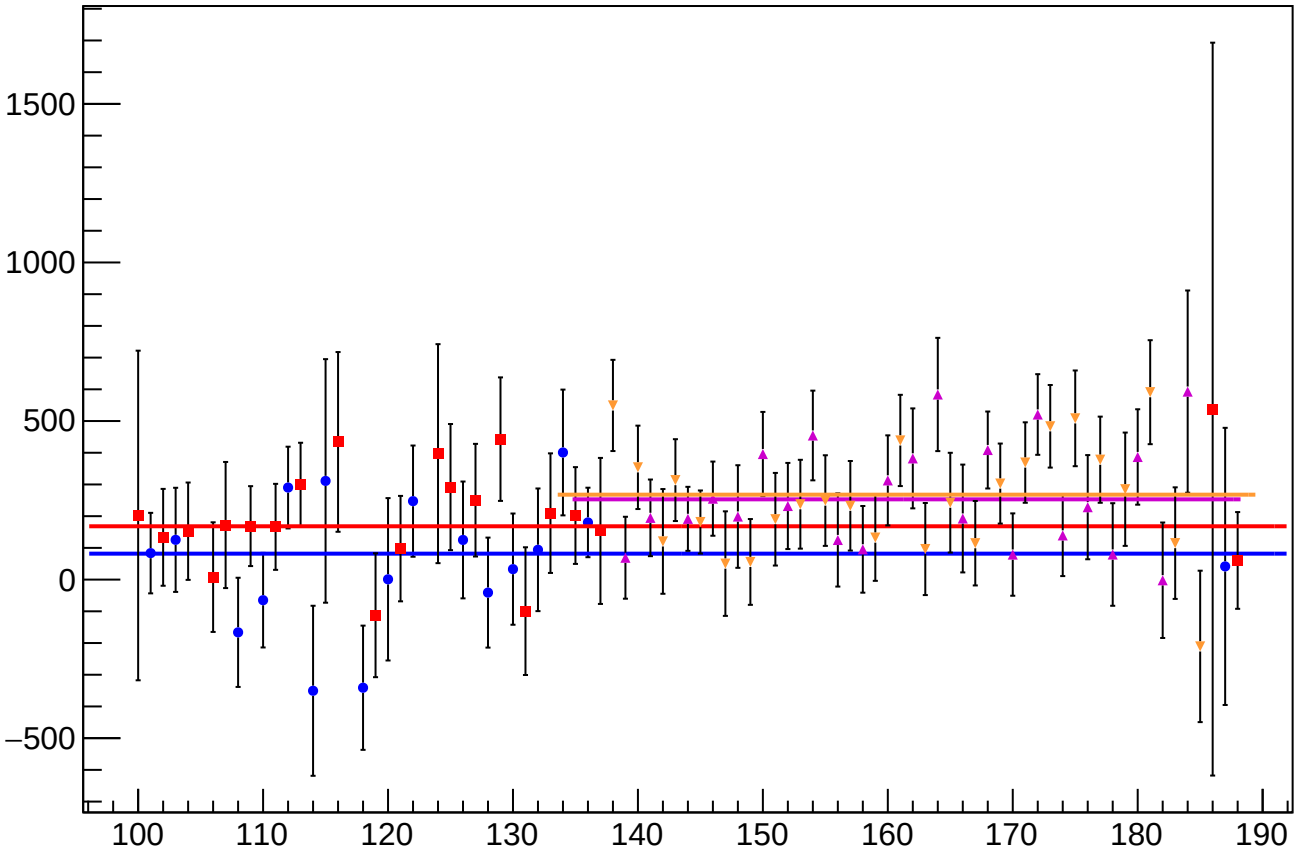
Left: 918.361+/-0.107 χ^2/NDF: 1554084.7/47

Right: 1163.980+/-0.215 χ^2/NDF: 2754915.9/37

In: 966.340+/-0.138 χ^2/NDF:2015309.3/39

Out: 968.303+/-0.134 χ^2/NDF:3340411.5/45

All: 967.353+/-0.096 χ^2/NDF: 5355825.5/85



Right In: 81.811+/-41.939 χ^2/NDF: 18.4/16

Left Out: 267.791+/-28.407 χ^2/NDF:31.0/24

Right Out: 168.133+/-39.282 χ^2/NDF: 10.6/20

Left In: 253.051+/-29.313 χ^2/NDF:26.2/22

Left: 260.652+/-20.400 χ^2/NDF: 57.3/47

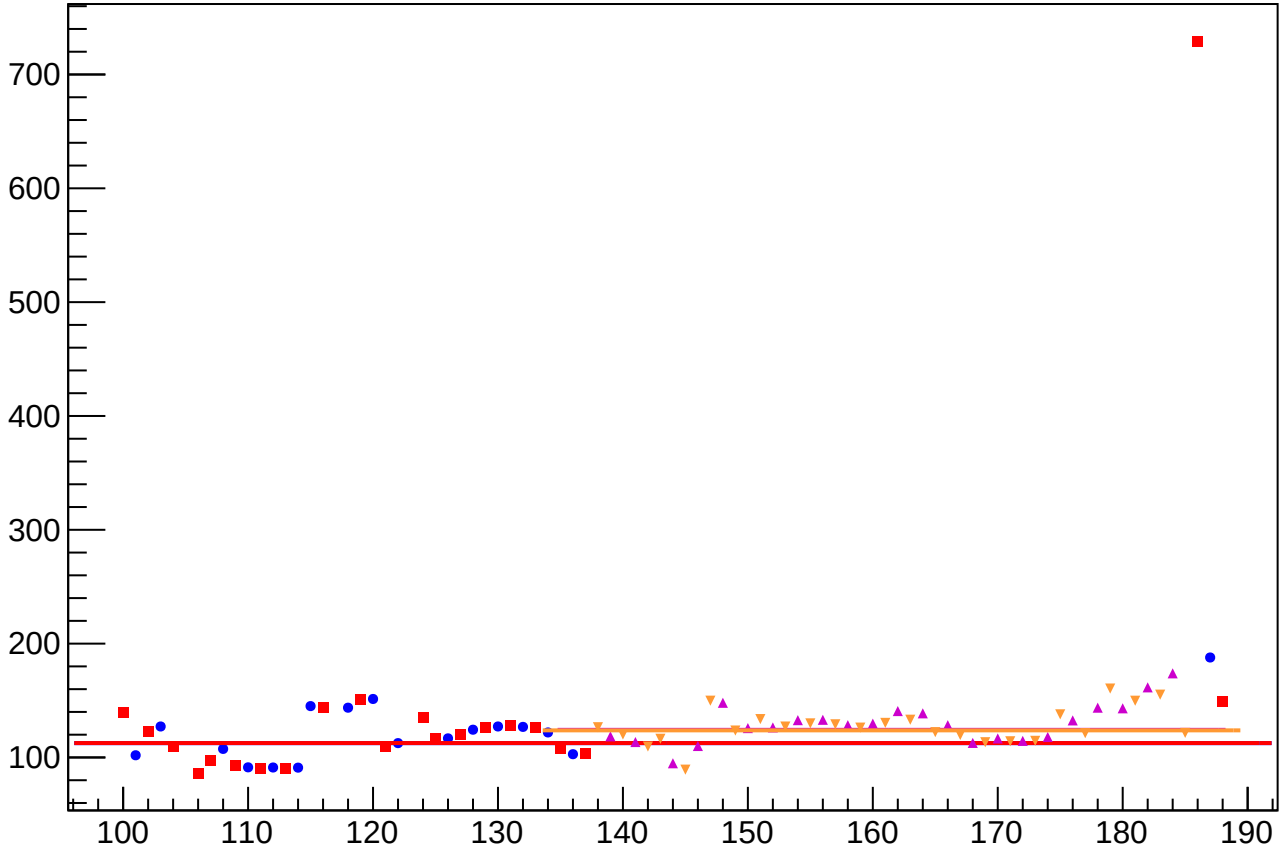
Right: 127.793+/-28.670 χ^2/NDF: 31.2/37

In: 196.851+/-24.026 χ^2/NDF:55.8/39

Out: 233.569+/-23.019 χ^2/NDF:45.8/45

All: 215.996+/-16.621 χ^2/NDF: 102.8/85

eigen_cor_asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 112.562+/-0.030 χ^2/NDF: 365901.3/16

Left Out: 123.807+/-0.020 χ^2/NDF:598444.2/24

Right Out: 112.652+/-0.028 χ^2/NDF: 1068510.4/20

Left In: 124.259+/-0.021 χ^2/NDF:557214.9/22

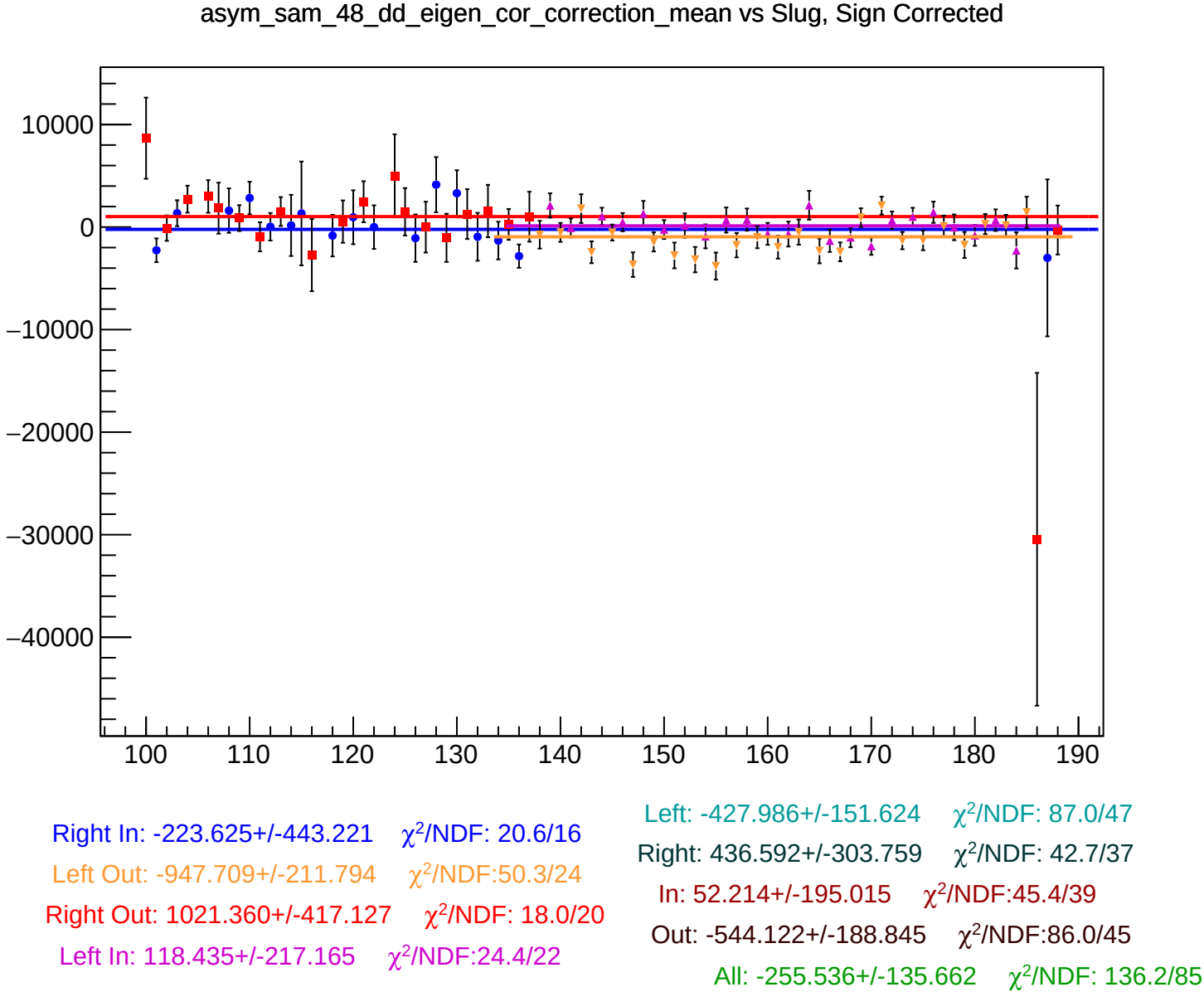
Left: 124.026+/-0.014 χ^2/NDF: 1155903.8/47

Right: 112.610+/-0.020 χ^2/NDF: 1434416.7/37

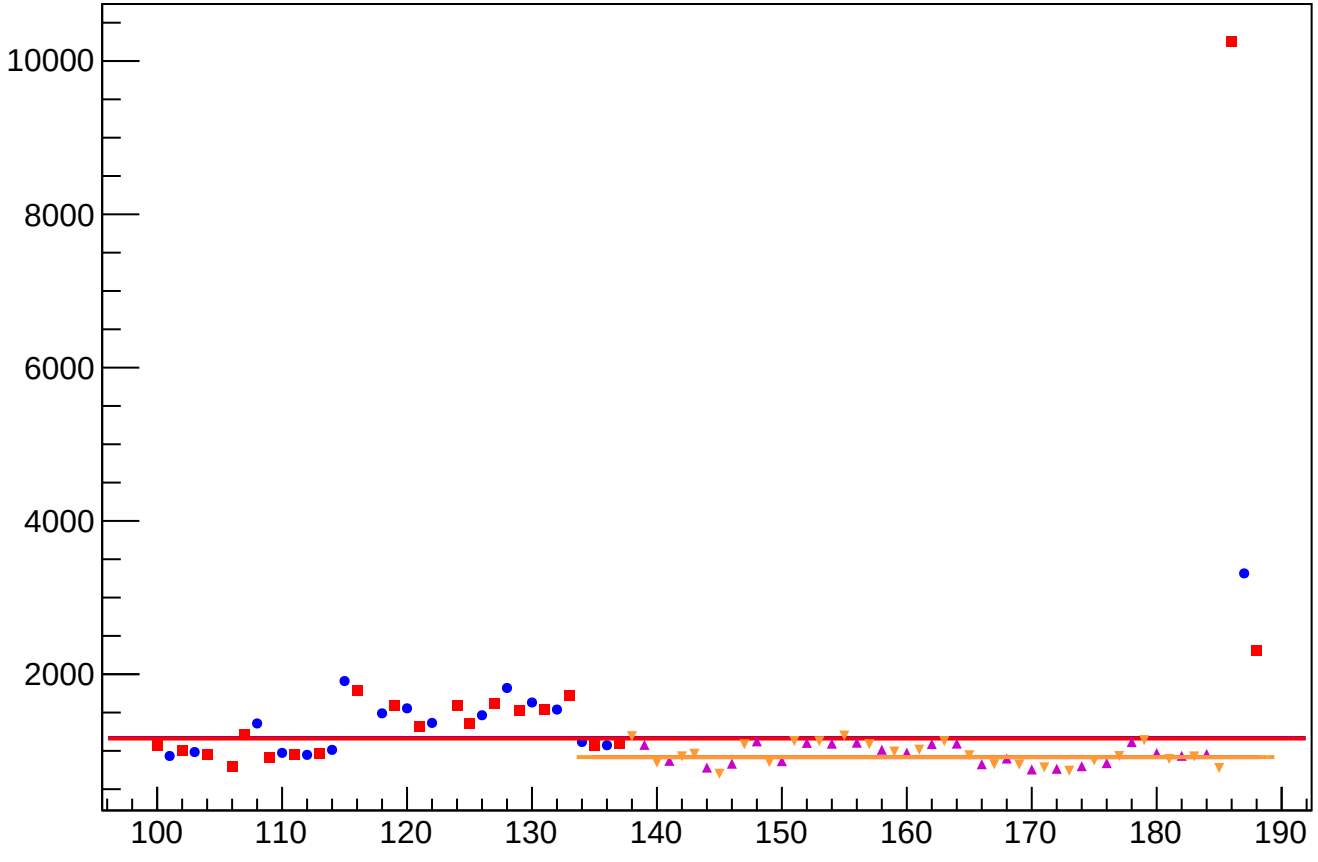
In: 120.420+/-0.017 χ^2/NDF:1027636.5/39

Out: 119.977+/-0.016 χ^2/NDF:1772859.5/45

All: 120.189+/-0.012 χ^2/NDF: 2800850.8/85


asym_sam_48_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
160
170
180
190
Right In: -223.625+/-443.221 χ²/NDF: 20.6/16
Left Out: -947.709+/-211.794 χ²/NDF:50.3/24
Right Out: 1021.360+/-417.127 χ²/NDF: 18.0/20
Left In: 118.435+/-217.165 χ²/NDF:24.4/22
Left: -427.986+/-151.624 χ²/NDF: 87.0/47
Right: 436.592+/-303.759 χ²/NDF: 42.7/37
In: 52.214+/-195.015 χ²/NDF:45.4/39
Out: -544.122+/-188.845 χ²/NDF:86.0/45
All: -255.536+/-135.662 χ²/NDF: 136.2/85

asym_sam_48_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1166.801+/-0.313 χ^2/NDF: 841704.6/16

Left Out: 918.501+/-0.150 χ^2/NDF:887819.5/24

Right Out: 1161.480+/-0.295 χ^2/NDF: 1913058.4/20

Left In: 918.214+/-0.154 χ^2/NDF:666263.4/22

Left: 918.361+/-0.107 χ^2/NDF: 1554084.7/47

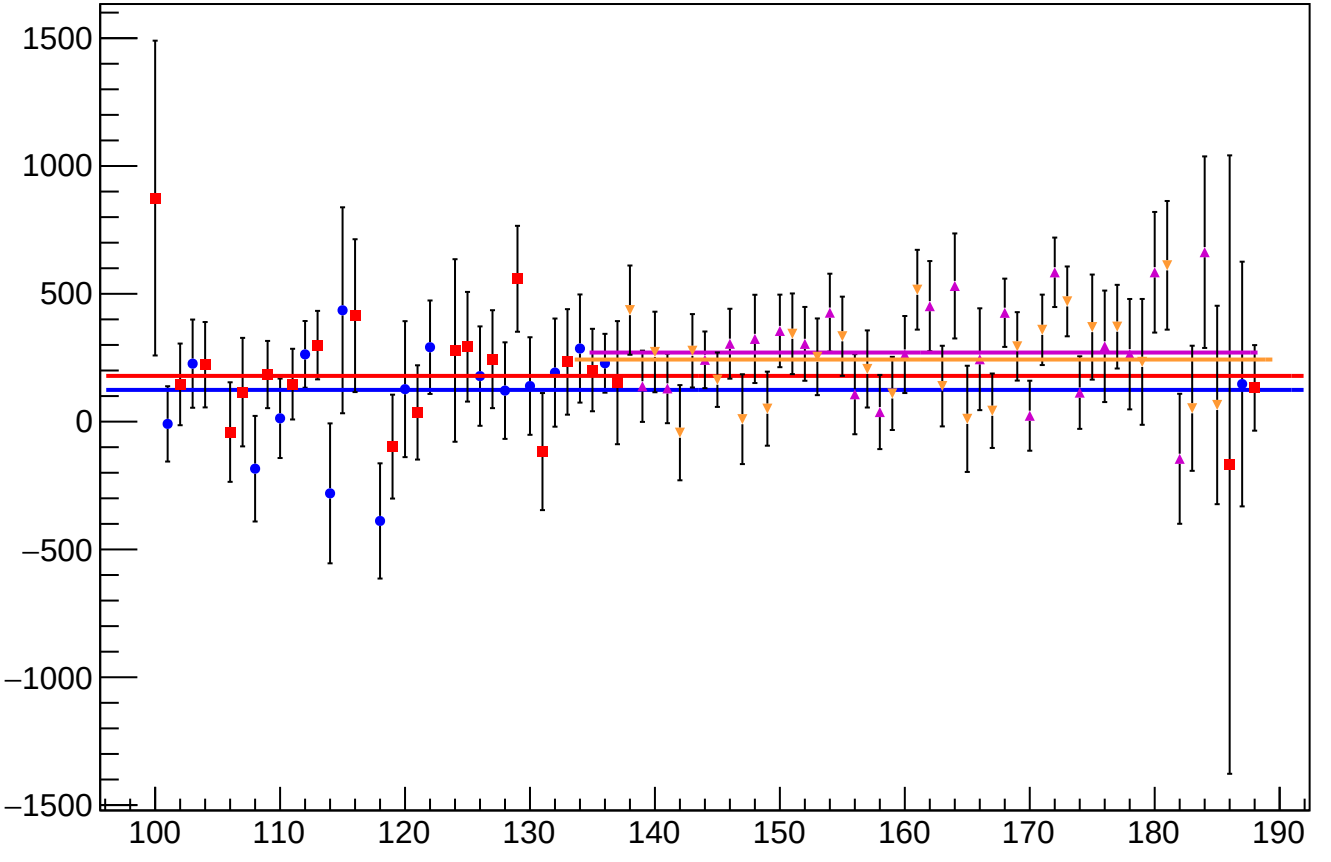
Right: 1163.980+/-0.215 χ^2/NDF: 2754915.9/37

In: 966.340+/-0.138 χ^2/NDF:2015309.3/39

Out: 968.303+/-0.134 χ^2/NDF:3340411.5/45

All: 967.353+/-0.096 χ^2/NDF: 5355825.5/85

dit_asym_sam_48_dd_mean vs Slug, Sign Corrected



Right In: 124.098+/-45.037 χ^2/NDF: 15.4/16

Left Out: 242.890+/-32.138 χ^2/NDF:23.7/24

Right Out: 178.896+/-41.826 χ^2/NDF: 12.5/20

Left In: 270.243+/-32.893 χ^2/NDF:26.7/22

Left: 256.249+/-22.987 χ^2/NDF: 50.7/47

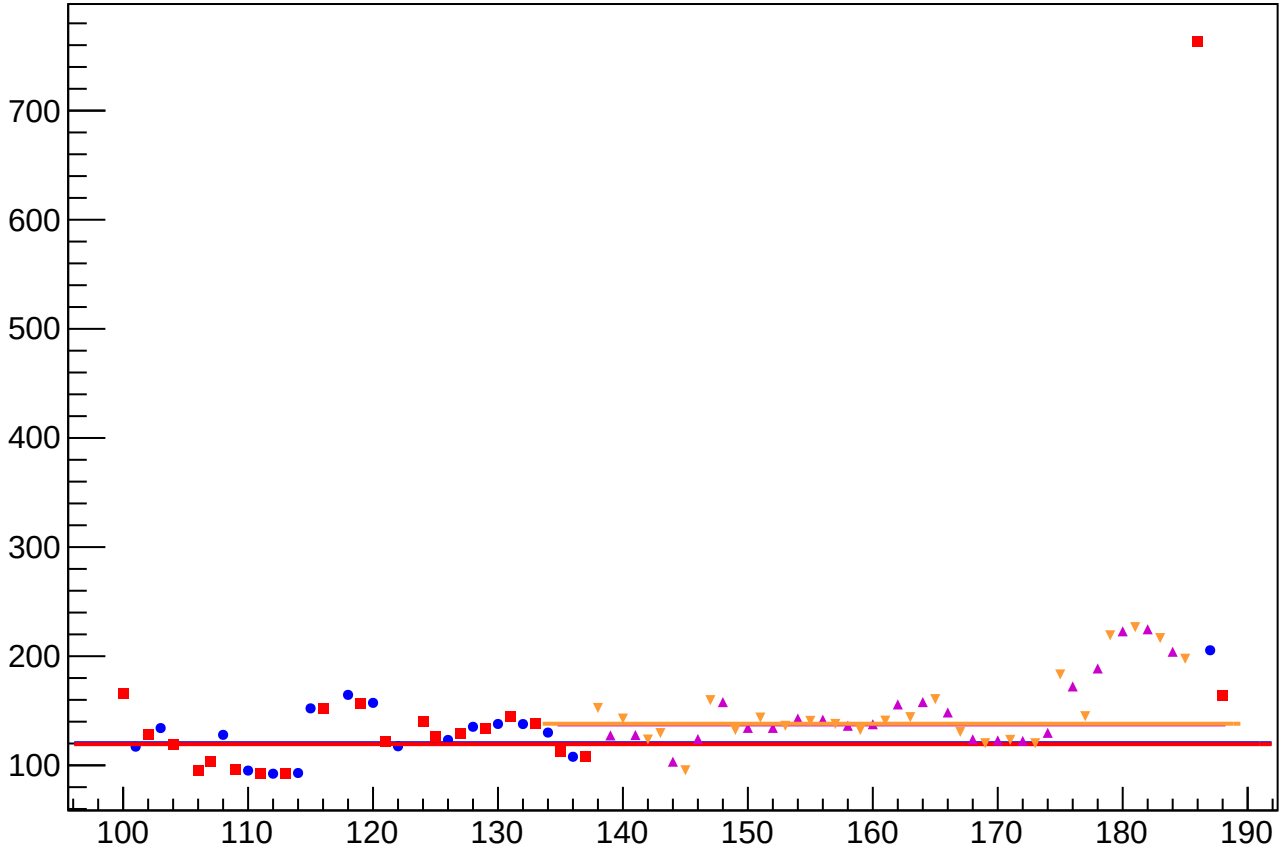
Right: 153.520+/-30.648 χ^2/NDF: 28.7/37

In: 219.405+/-26.563 χ^2/NDF:49.0/39

Out: 219.133+/-25.484 χ^2/NDF:37.6/45

All: 219.263+/-18.390 χ^2/NDF: 86.6/85

dit_asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 120.256+/-0.032 χ^2/NDF: 444170.4/16

Left Out: 138.127+/-0.023 χ^2/NDF:1338308.5/24

Right Out: 119.394+/-0.030 χ^2/NDF: 1148537.2/20

Left In: 137.491+/-0.023 χ^2/NDF:1109333.5/22

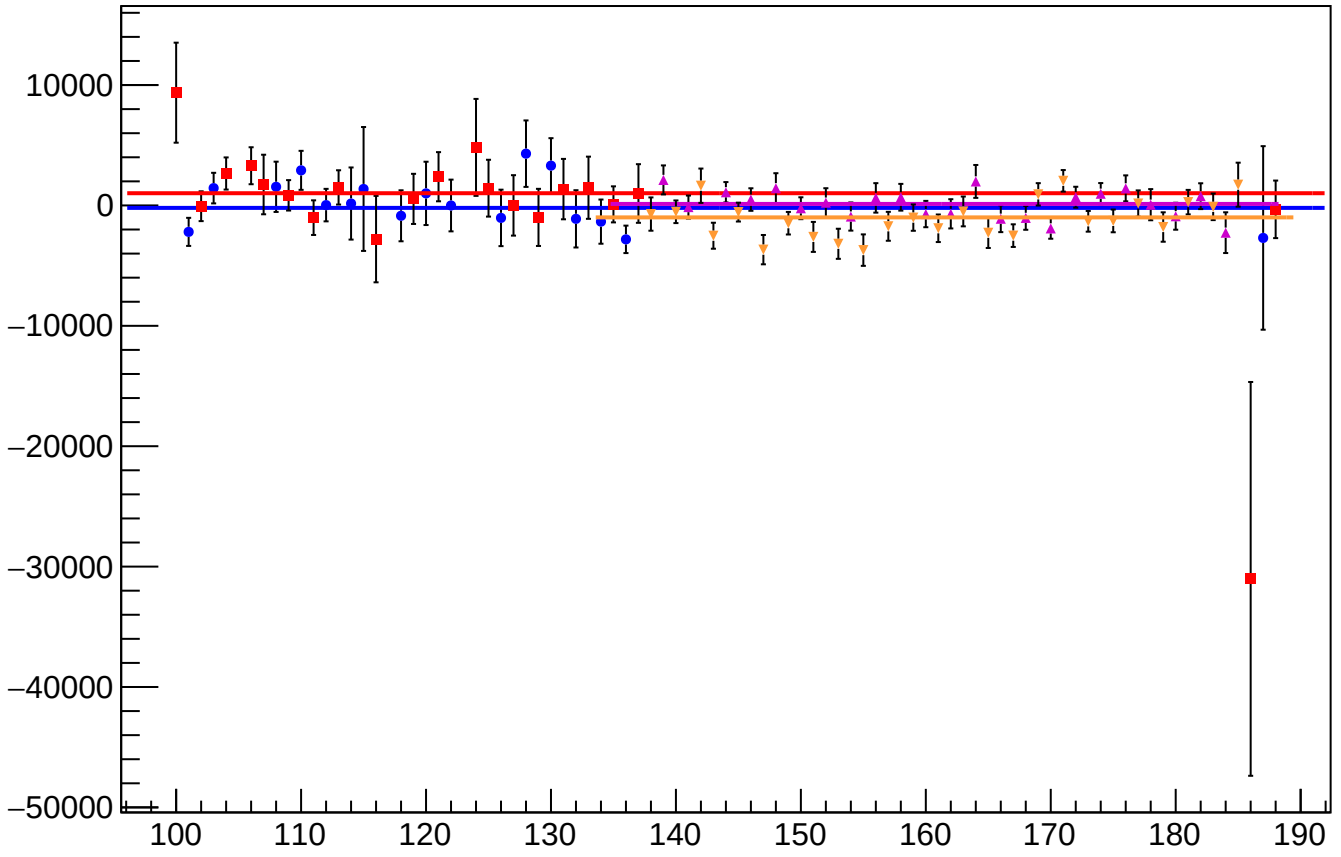
Left: 137.817+/-0.016 χ^2/NDF: 2448024.6/47

Right: 119.793+/-0.022 χ^2/NDF: 1593100.2/37

In: 131.496+/-0.019 χ^2/NDF:1744524.6/39

Out: 131.173+/-0.018 χ^2/NDF:2739098.8/45

All: 131.328+/-0.013 χ^2/NDF: 4483777.1/85



Right In: -203.681+/-446.565 χ^2/NDF: 20.5/16

Left Out: -993.237+/-215.652 χ^2/NDF:46.9/24

Right Out: 1015.128+/-419.206 χ^2/NDF: 18.7/20

Left In: 124.857+/-221.367 χ^2/NDF:23.9/22

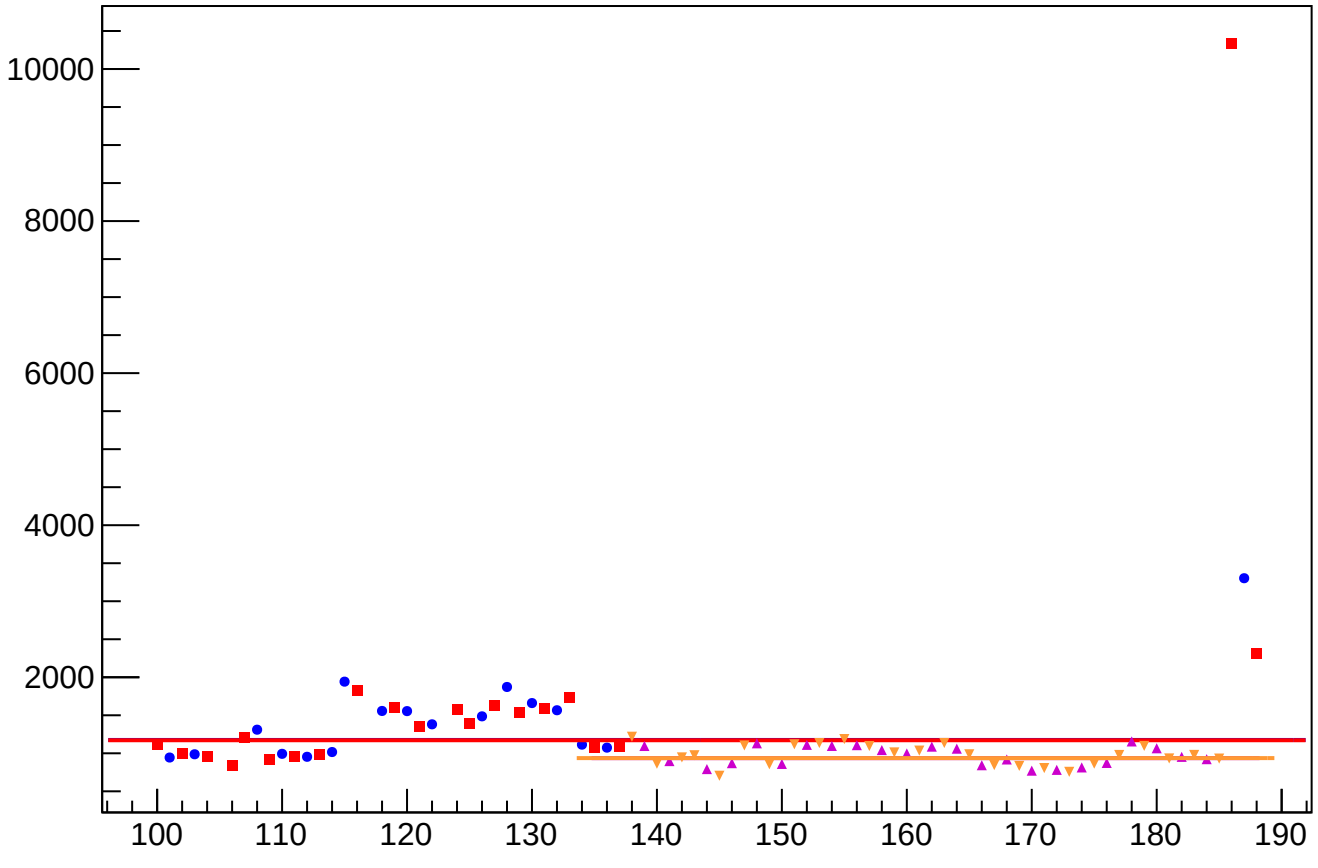
Left: -448.808+/-154.470 χ^2/NDF: 83.9/47

Right: 444.201+/-305.638 χ^2/NDF: 43.2/37

In: 60.051+/-198.336 χ^2/NDF:44.8/39

Out: -572.967+/-191.766 χ^2/NDF:83.8/45

All: -267.116+/-137.863 χ^2/NDF: 133.9/85



Right In: 1175.389+/-0.316 χ^2/NDF: 865670.3/16

Left Out: 936.743+/-0.152 χ^2/NDF:832449.3/24

Right Out: 1171.763+/-0.296 χ^2/NDF: 1910501.5/20

Left In: 936.380+/-0.157 χ^2/NDF:642749.3/22

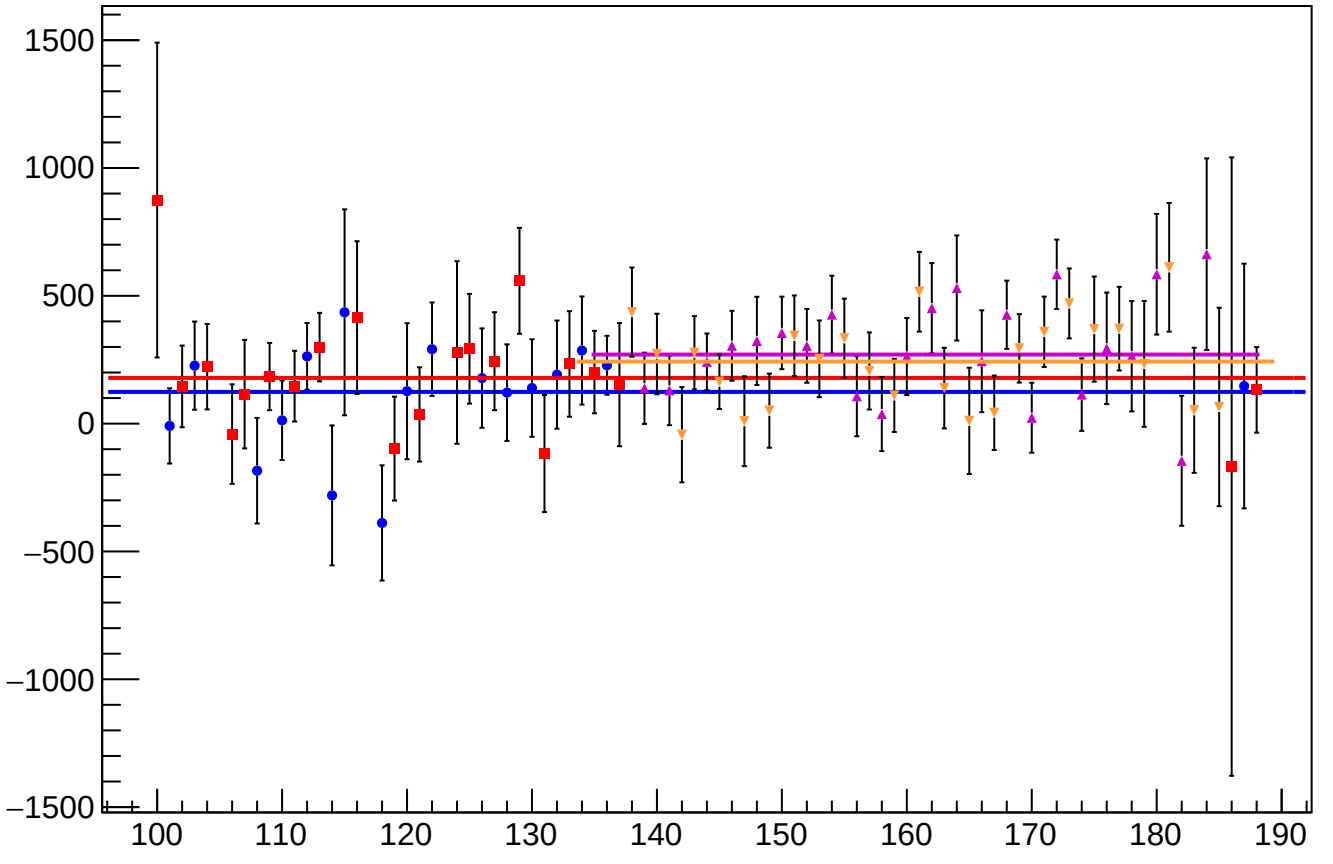
Left: 936.567+/-0.109 χ^2/NDF: 1475201.4/47

Right: 1173.461+/-0.216 χ^2/NDF: 2776241.8/37

In: 983.526+/-0.140 χ^2/NDF:1968318.6/39

Out: 985.924+/-0.136 χ^2/NDF:3240018.6/45

All: 984.765+/-0.097 χ^2/NDF: 5208488.2/85



Right In: 124.100+/-45.037 χ^2/NDF: 15.4/16

Left Out: 242.892+/-32.138 χ^2/NDF:23.7/24

Right Out: 178.897+/-41.826 χ^2/NDF: 12.5/20

Left In: 270.244+/-32.893 χ^2/NDF:26.7/22

Left: 256.251+/-22.987 χ^2/NDF: 50.7/47

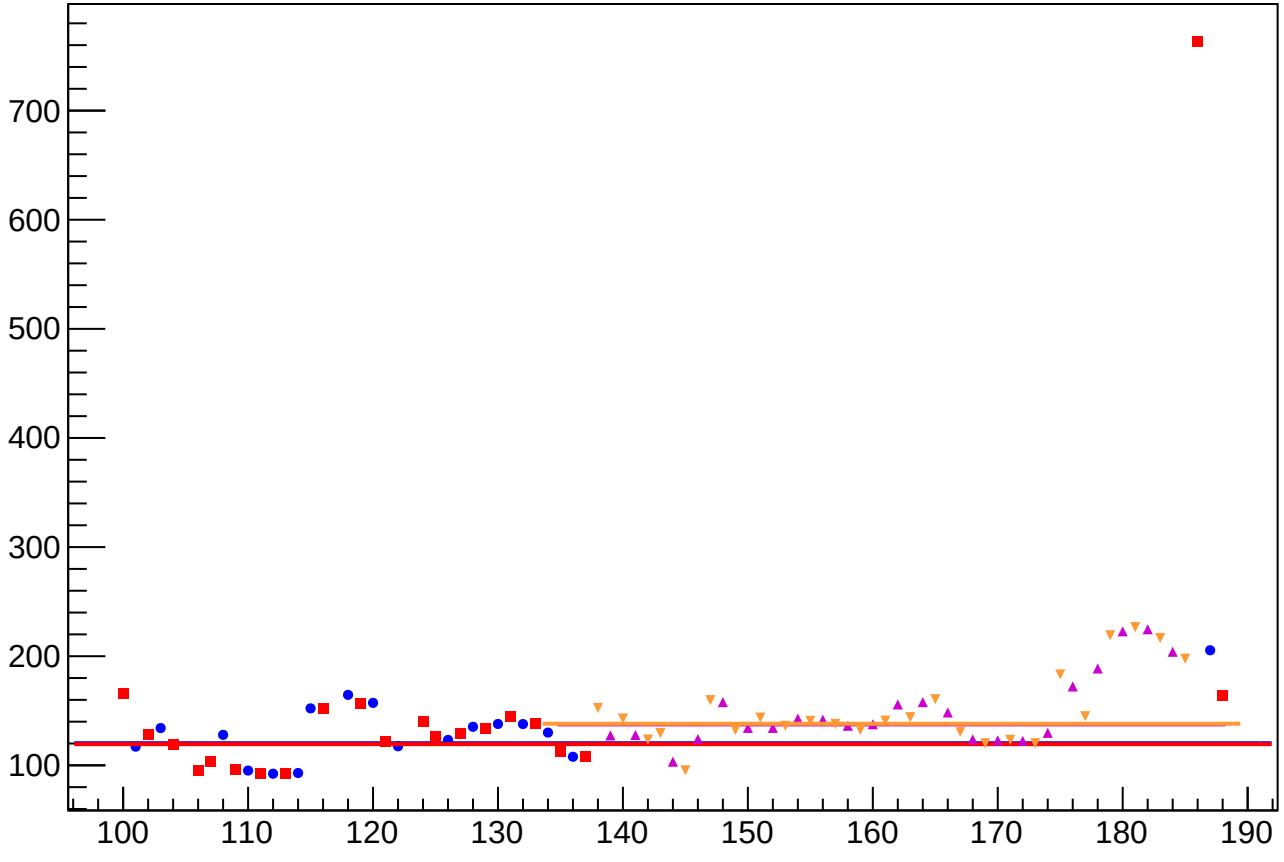
Right: 153.522+/-30.648 χ^2/NDF: 28.7/37

In: 219.406+/-26.563 χ^2/NDF:49.0/39

Out: 219.135+/-25.484 χ^2/NDF:37.6/45

All: 219.265+/-18.390 χ^2/NDF: 86.6/85

eigen_dit_asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 120.256+/-0.032 χ^2/NDF: 444173.6/16

Left Out: 138.127+/-0.023 χ^2/NDF:1338311.7/24

Right Out: 119.394+/-0.030 χ^2/NDF: 1148543.1/20

Left In: 137.491+/-0.023 χ^2/NDF:1109319.8/22

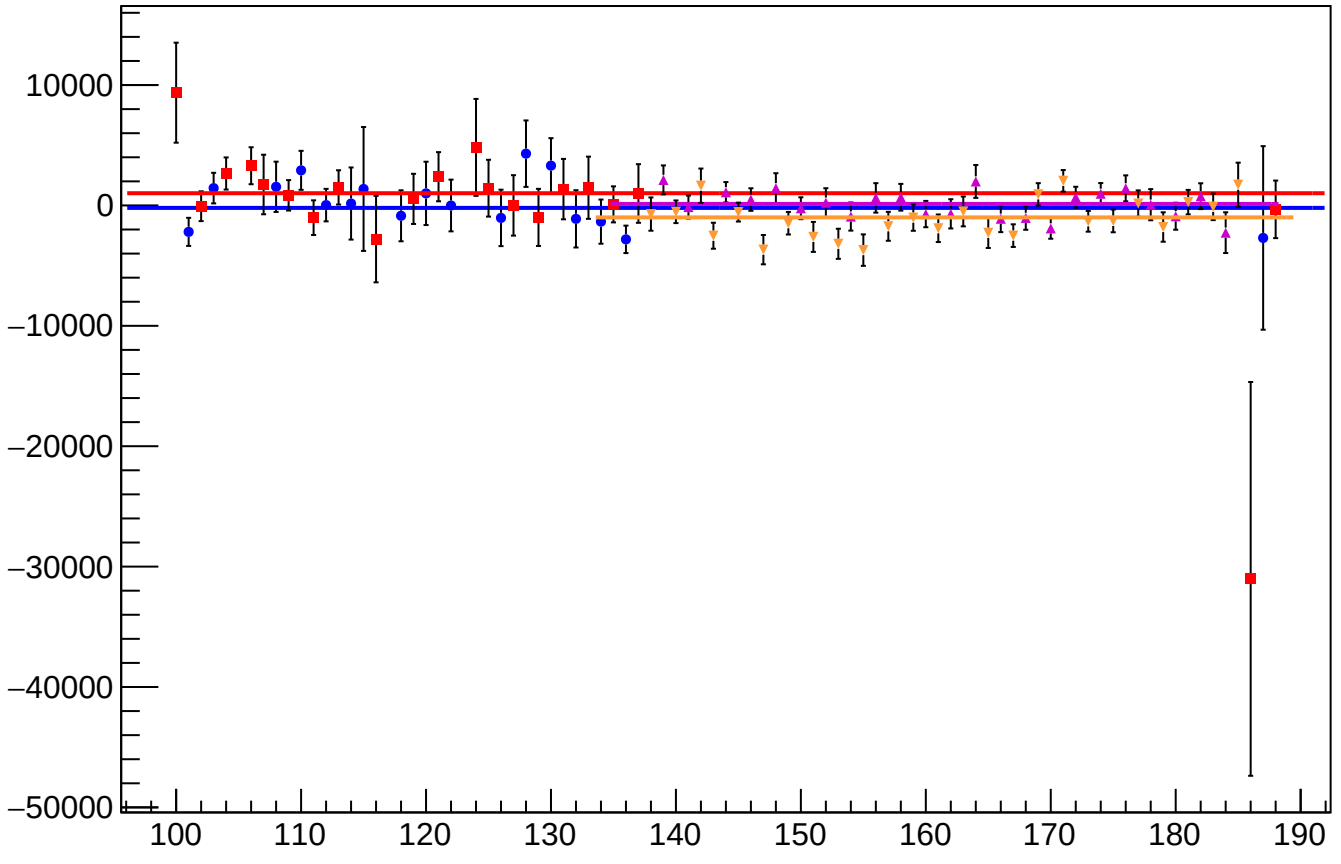
Left: 137.817+/-0.016 χ^2/NDF: 2448014.1/47

Right: 119.793+/-0.022 χ^2/NDF: 1593109.3/37

In: 131.496+/-0.019 χ^2/NDF:1744513.4/39

Out: 131.173+/-0.018 χ^2/NDF:2739108.5/45

All: 131.328+/-0.013 χ^2/NDF: 4483775.6/85



Right In: -203.680+/-446.565 χ^2/NDF: 20.5/16

Left Out: -993.235+/-215.652 χ^2/NDF:46.9/24

Right Out: 1015.128+/-419.206 χ^2/NDF: 18.7/20

Left In: 124.856+/-221.366 χ^2/NDF:23.9/22

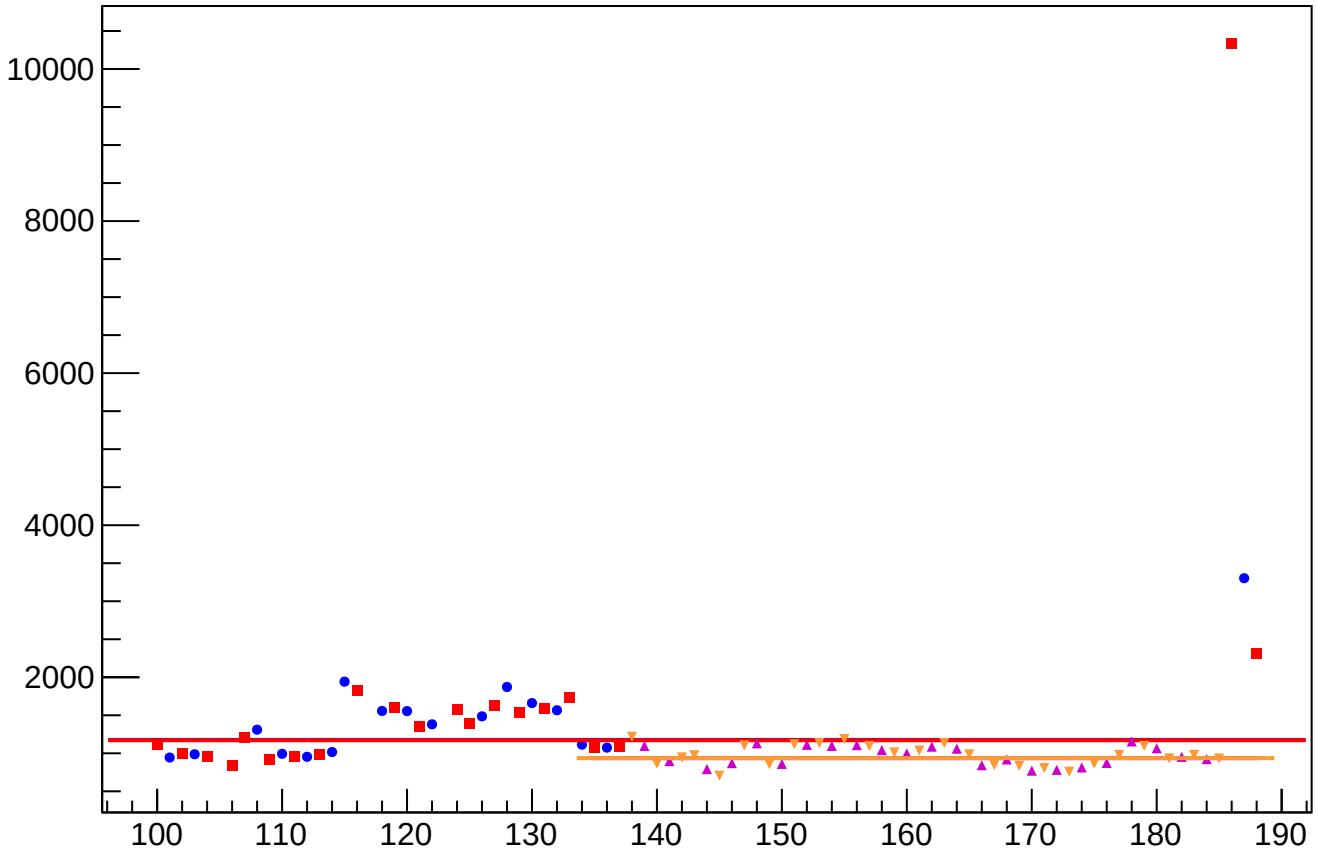
Left: -448.807+/-154.470 χ^2/NDF: 83.9/47

Right: 444.201+/-305.638 χ^2/NDF: 43.2/37

In: 60.050+/-198.335 χ^2/NDF:44.8/39

Out: -572.966+/-191.765 χ^2/NDF:83.8/45

All: -267.116+/-137.863 χ^2/NDF: 133.9/85



Right In: 1175.389+/-0.316 χ^2/NDF: 865671.8/16

Left Out: 936.742+/-0.152 χ^2/NDF:832452.0/24

Right Out: 1171.763+/-0.296 χ^2/NDF: 1910500.4/20

Left In: 936.379+/-0.157 χ^2/NDF:642748.0/22

Left: 936.566+/-0.109 χ^2/NDF: 1475202.7/47

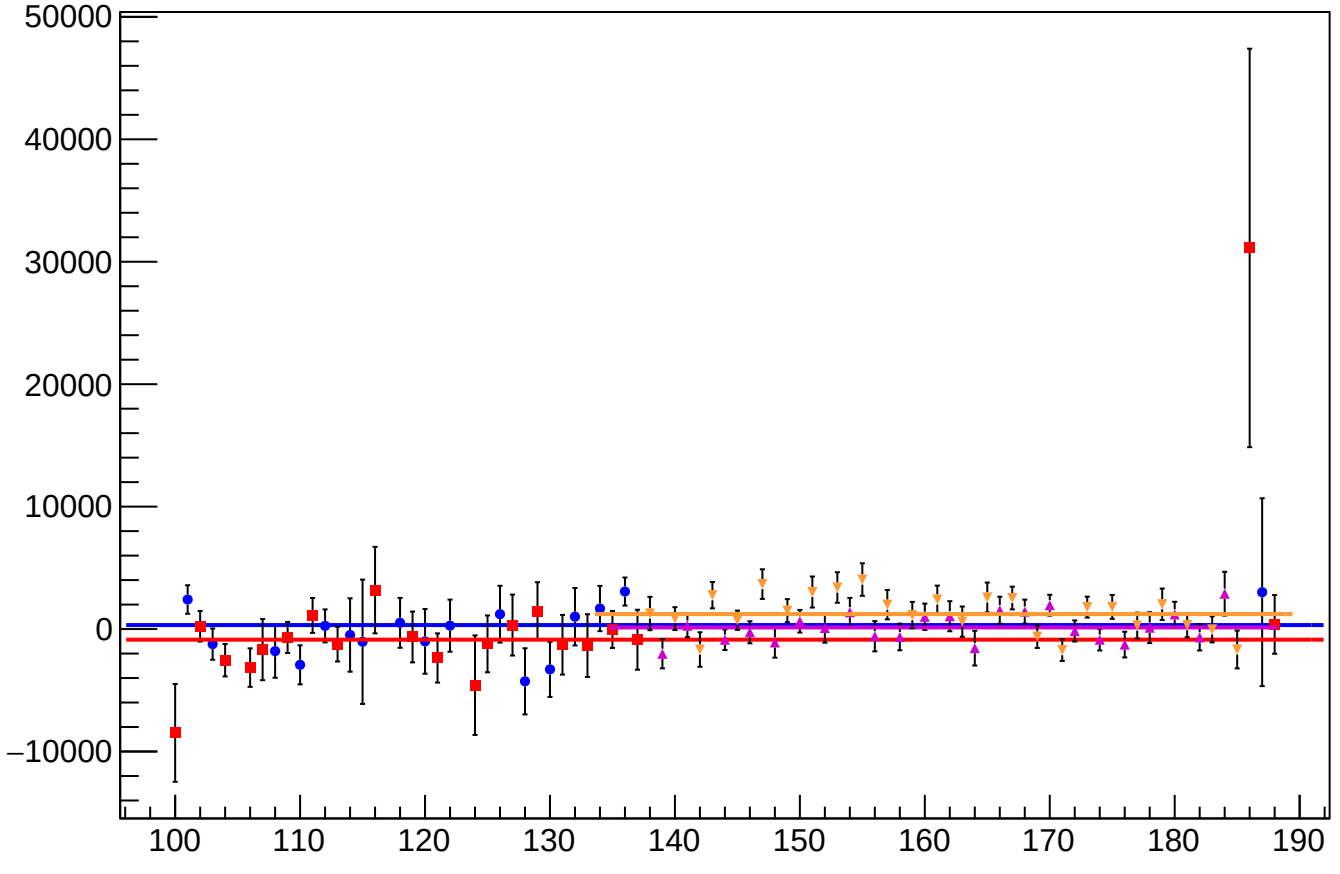
Right: 1173.461+/-0.216 χ^2/NDF: 2776242.3/37

In: 983.525+/-0.140 χ^2/NDF:1968322.2/39

Out: 985.923+/-0.136 χ^2/NDF:3240024.2/45

All: 984.764+/-0.097 χ^2/NDF: 5208497.4/85

asym_sam_48_dd_mean vs Slug, Sign Corrected



Right In: 326.464+/-445.587 χ^2/NDF: 22.3/16

Left Out: 1225.521+/-213.843 χ^2/NDF:48.5/24

Right Out: -864.917+/-418.712 χ^2/NDF: 18.7/20

Left In: 132.834+/-219.278 χ^2/NDF:25.8/22

Left: 692.887+/-153.095 χ^2/NDF: 87.1/47

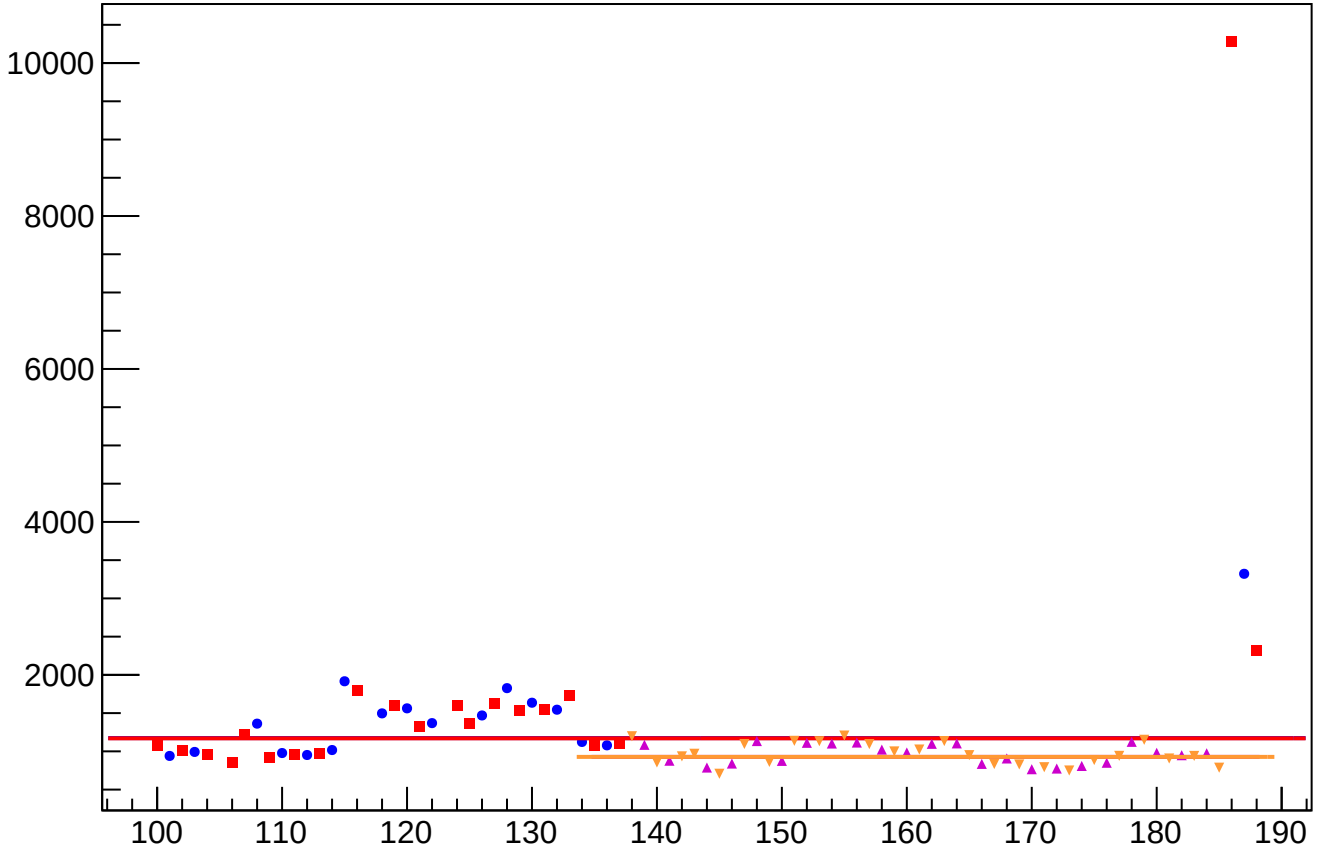
Right: -306.236+/-305.133 χ^2/NDF: 44.8/37

In: 170.583+/-196.745 χ^2/NDF:48.3/39

Out: 793.067+/-190.444 χ^2/NDF:87.0/45

All: 491.953+/-136.838 χ^2/NDF: 140.4/85

asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 1173.331+/-0.315 χ^2/NDF: 834479.7/16

Left Out: 927.610+/-0.151 χ^2/NDF:875127.3/24

Right Out: 1170.367+/-0.296 χ^2/NDF: 1880069.0/20

Left In: 927.321+/-0.155 χ^2/NDF:656539.8/22

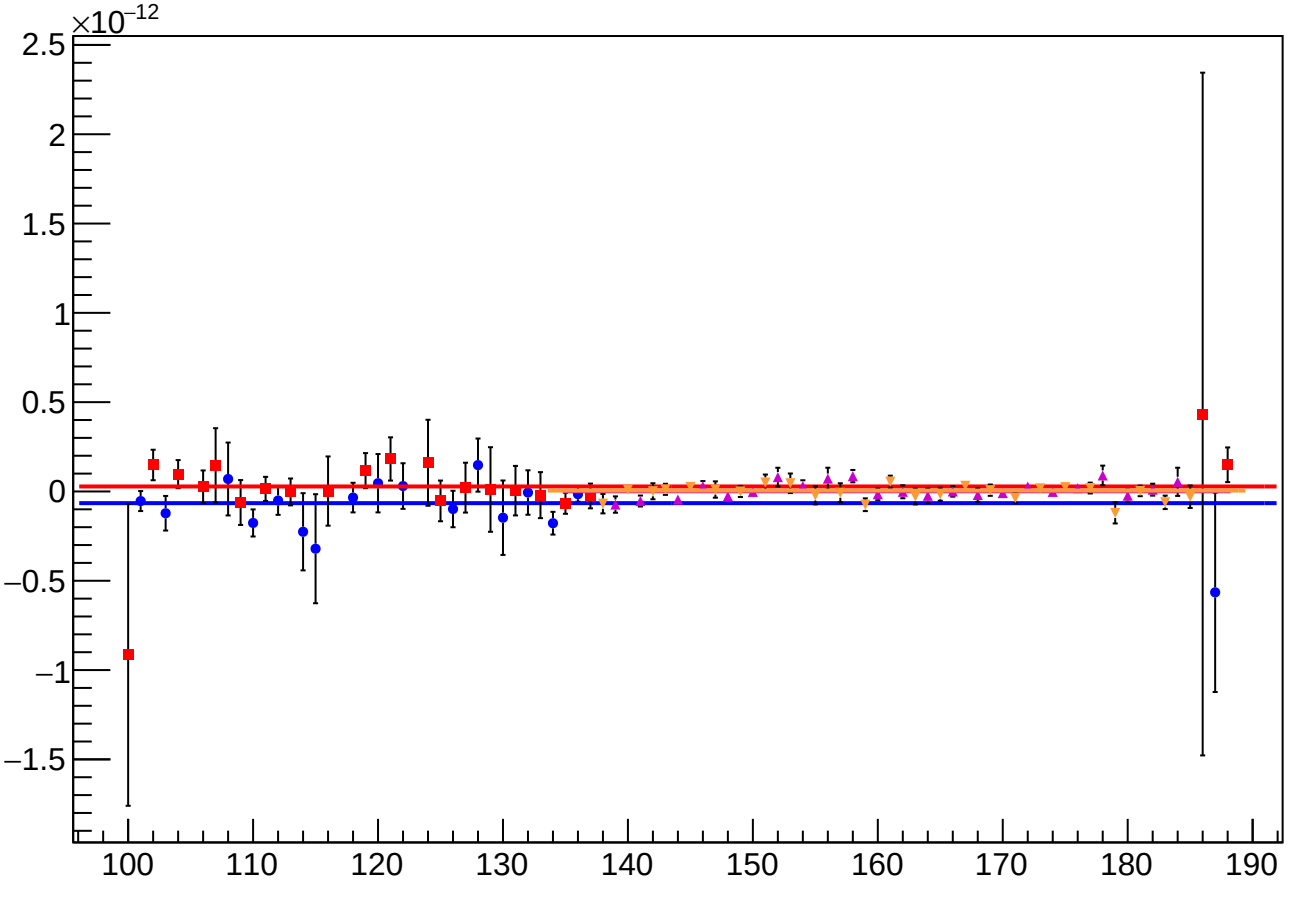
Left: 927.469+/-0.108 χ^2/NDF: 1531668.9/47

Right: 1171.757+/-0.216 χ^2/NDF: 2714595.6/37

In: 975.283+/-0.139 χ^2/NDF:1981801.2/39

Out: 977.829+/-0.135 χ^2/NDF:3288394.7/45

All: 976.598+/-0.097 χ^2/NDF: 5270368.9/85



Right In: -0.000+/-0.000 χ^2/NDF: 13.3/16

Left Out: 0.000+/-0.000 χ^2/NDF:25.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 13.2/20

Left In: 0.000+/-0.000 χ^2/NDF:27.7/22

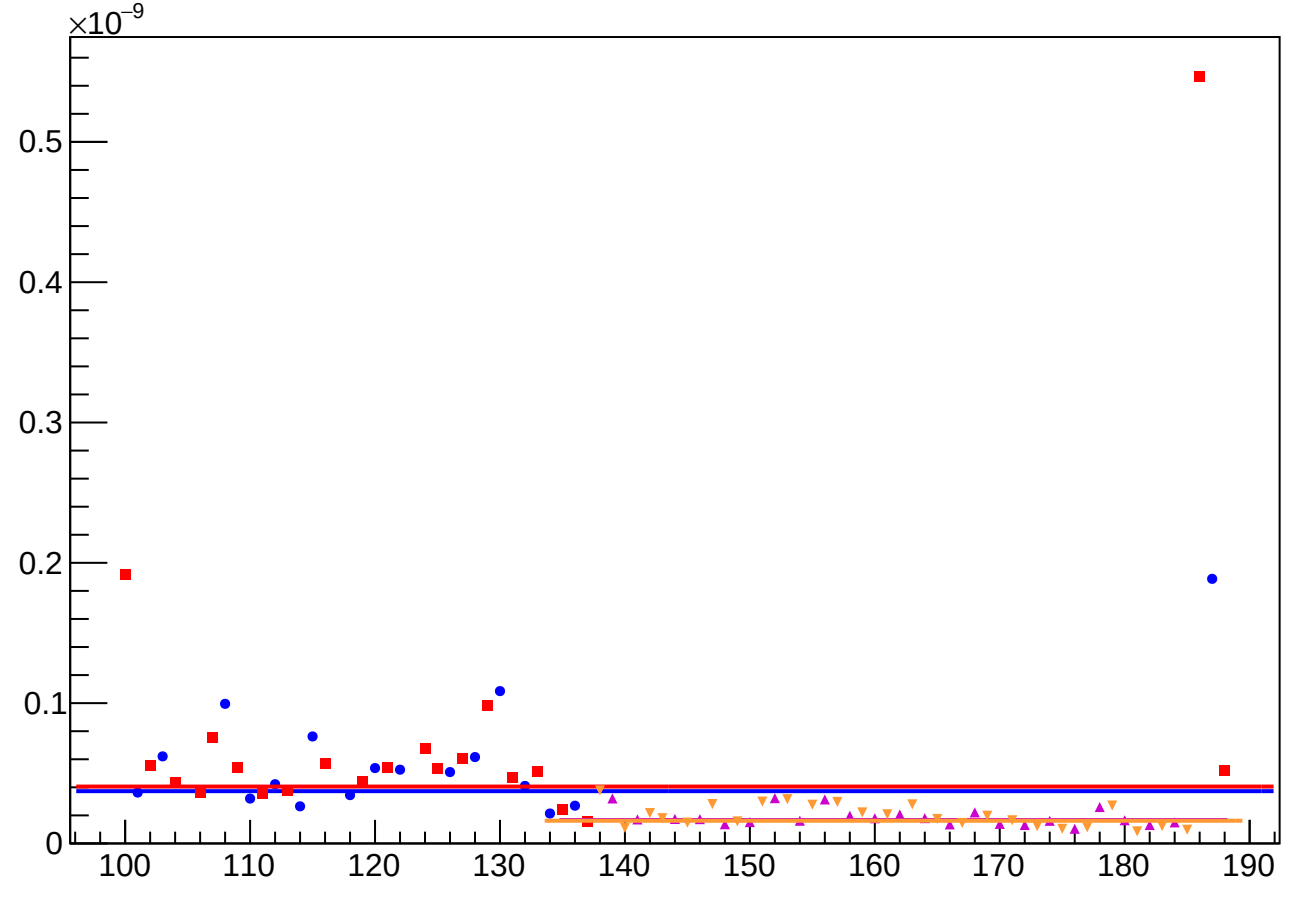
Left: 0.000+/-0.000 χ^2/NDF: 53.3/47

Right: -0.000+/-0.000 χ^2/NDF: 35.4/37

In: -0.000+/-0.000 χ^2/NDF:49.5/39

Out: 0.000+/-0.000 χ^2/NDF:39.5/45

All: 0.000+/-0.000 χ^2/NDF: 90.7/85



Right In: 0.000+/-0.000 χ^2/NDF: 1142615.5/16

Left Out: 0.000+/-0.000 χ^2/NDF:2009728.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 1074872.8/20

Left In: 0.000+/-0.000 χ^2/NDF:928356.7/22

Left: 0.000+/-0.000 χ^2/NDF: 2943547.5/47

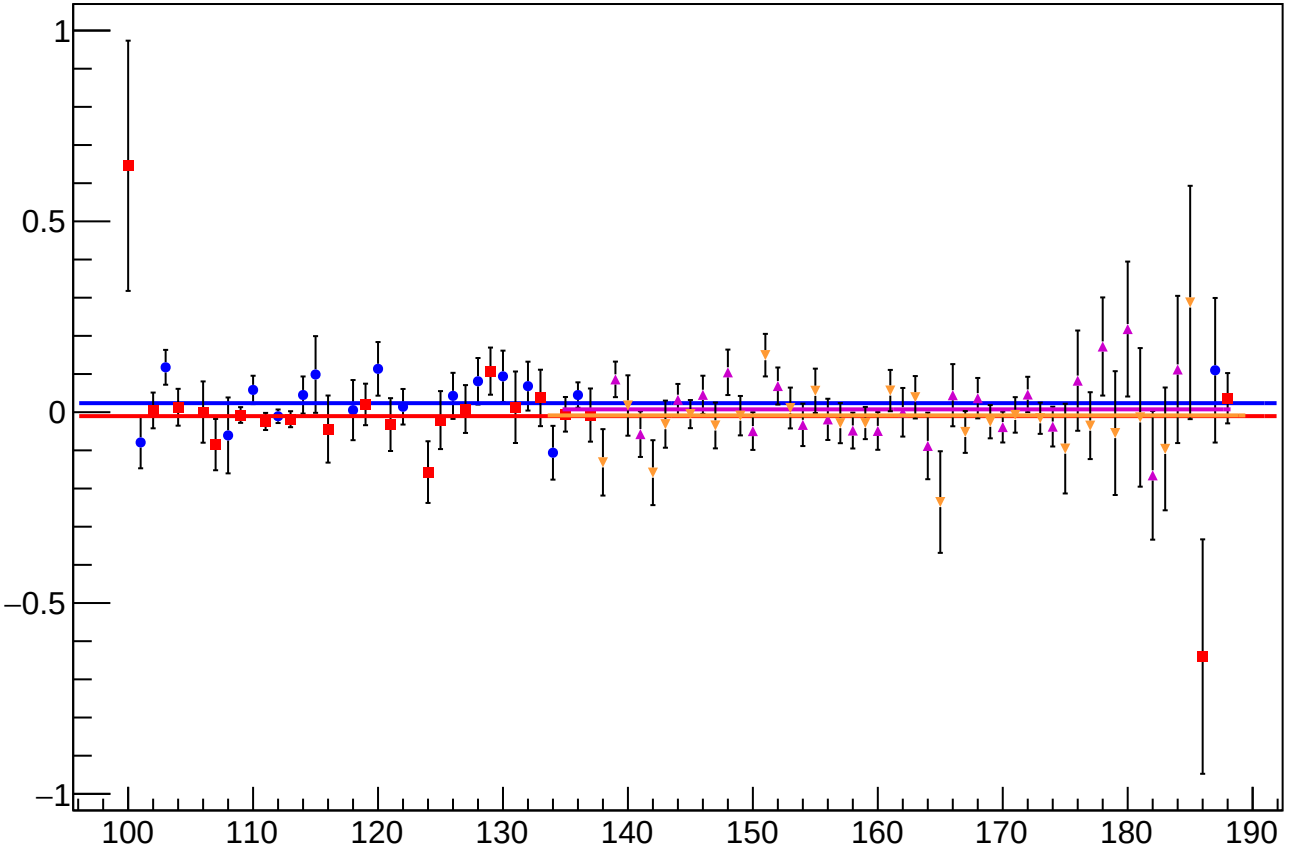
Right: 0.000+/-0.000 χ^2/NDF: 2239396.4/37

In: 0.000+/-0.000 χ^2/NDF:3694787.5/39

Out: 0.000+/-0.000 χ^2/NDF:5255079.4/45

All: 0.000+/-0.000 χ^2/NDF: 8955463.7/85

asym_sam_48_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.024+/-0.011 χ^2/NDF: 20.9/16

Left Out: -0.008+/-0.012 χ^2/NDF:23.2/24

Right Out: -0.010+/-0.010 χ^2/NDF: 19.0/20

Left In: 0.007+/-0.012 χ^2/NDF:23.2/22

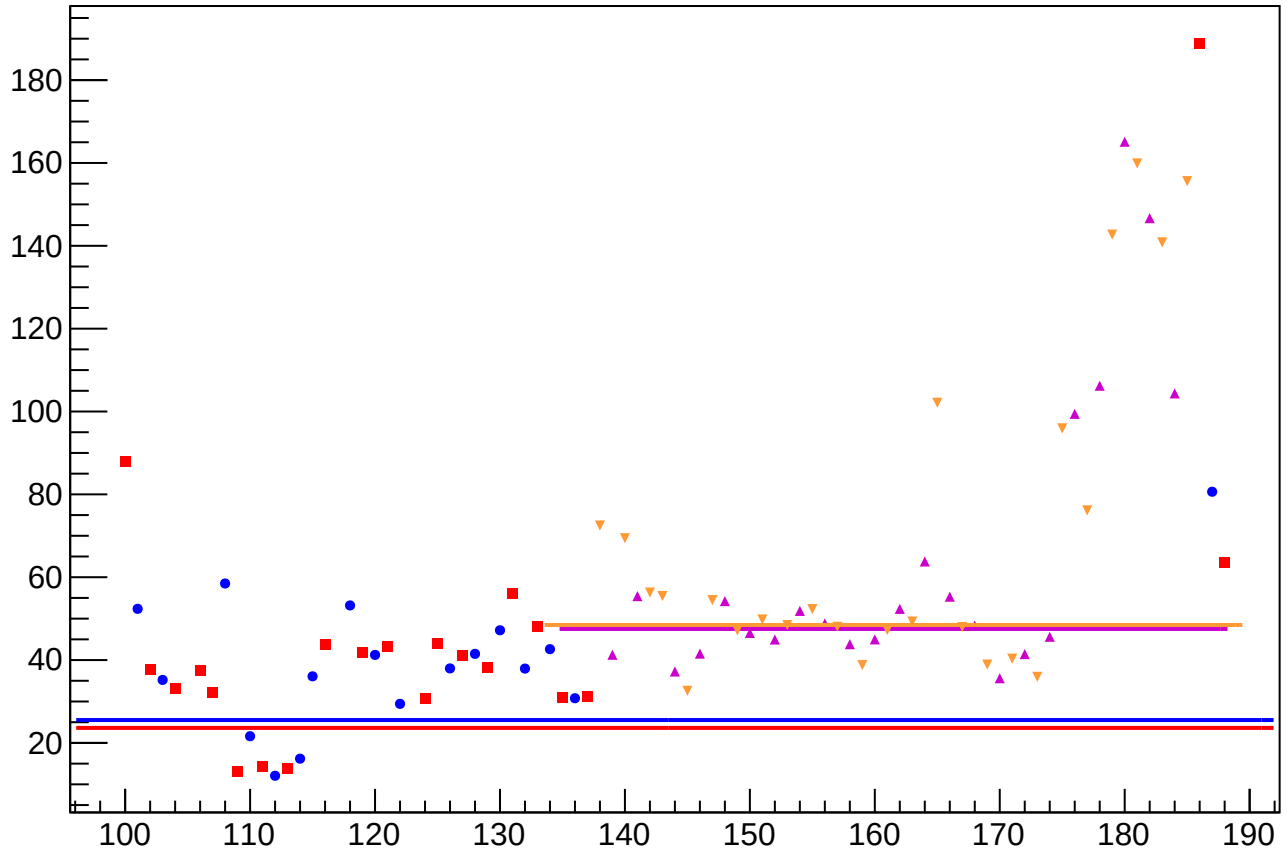
Left: -0.000+/-0.008 χ^2/NDF: 47.3/47

Right: 0.004+/-0.007 χ^2/NDF: 45.2/37

In: 0.016+/-0.008 χ^2/NDF:45.2/39

Out: -0.010+/-0.008 χ^2/NDF:42.1/45

All: 0.002+/-0.006 χ^2/NDF: 92.7/85



Right In: 25.522+/-0.008 χ^2/NDF: 3095031.6/16

Left Out: 48.471+/-0.008 χ^2/NDF:4373812.0/24

Right Out: 23.625+/-0.007 χ^2/NDF: 4478150.6/20

Left In: 47.505+/-0.009 χ^2/NDF:3075161.5/22

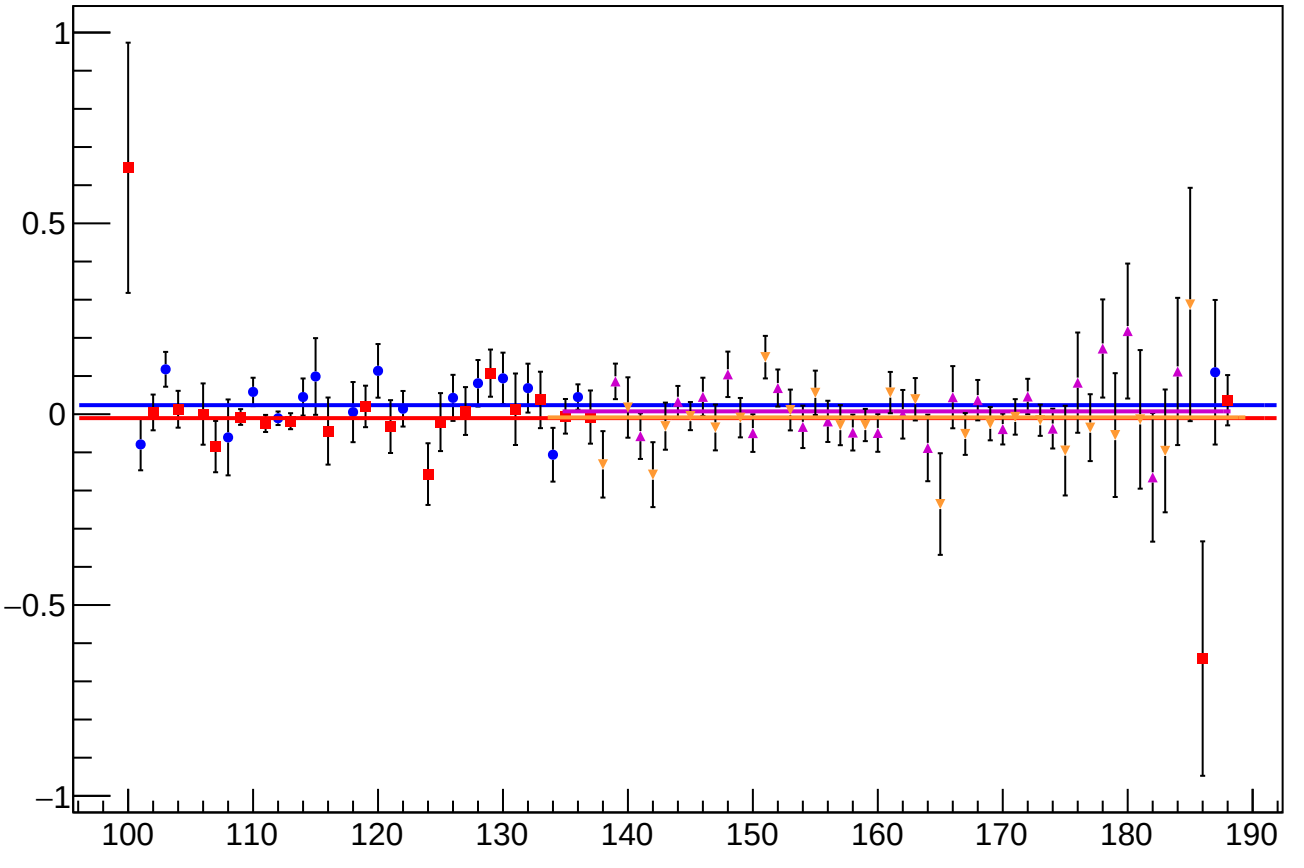
Left: 47.989+/-0.006 χ^2/NDF: 7455439.1/47

Right: 24.450+/-0.005 χ^2/NDF: 7606518.1/37

In: 35.580+/-0.006 χ^2/NDF:9791800.2/39

Out: 33.425+/-0.005 χ^2/NDF:14038105.3/45

All: 34.420+/-0.004 χ^2/NDF: 23905361.9/85



Right In: 0.024+/-0.011 χ^2/NDF: 20.9/16

Left Out: -0.008+/-0.012 χ^2/NDF:23.2/24

Right Out: -0.010+/-0.010 χ^2/NDF: 19.0/20

Left In: 0.007+/-0.012 χ^2/NDF:23.2/22

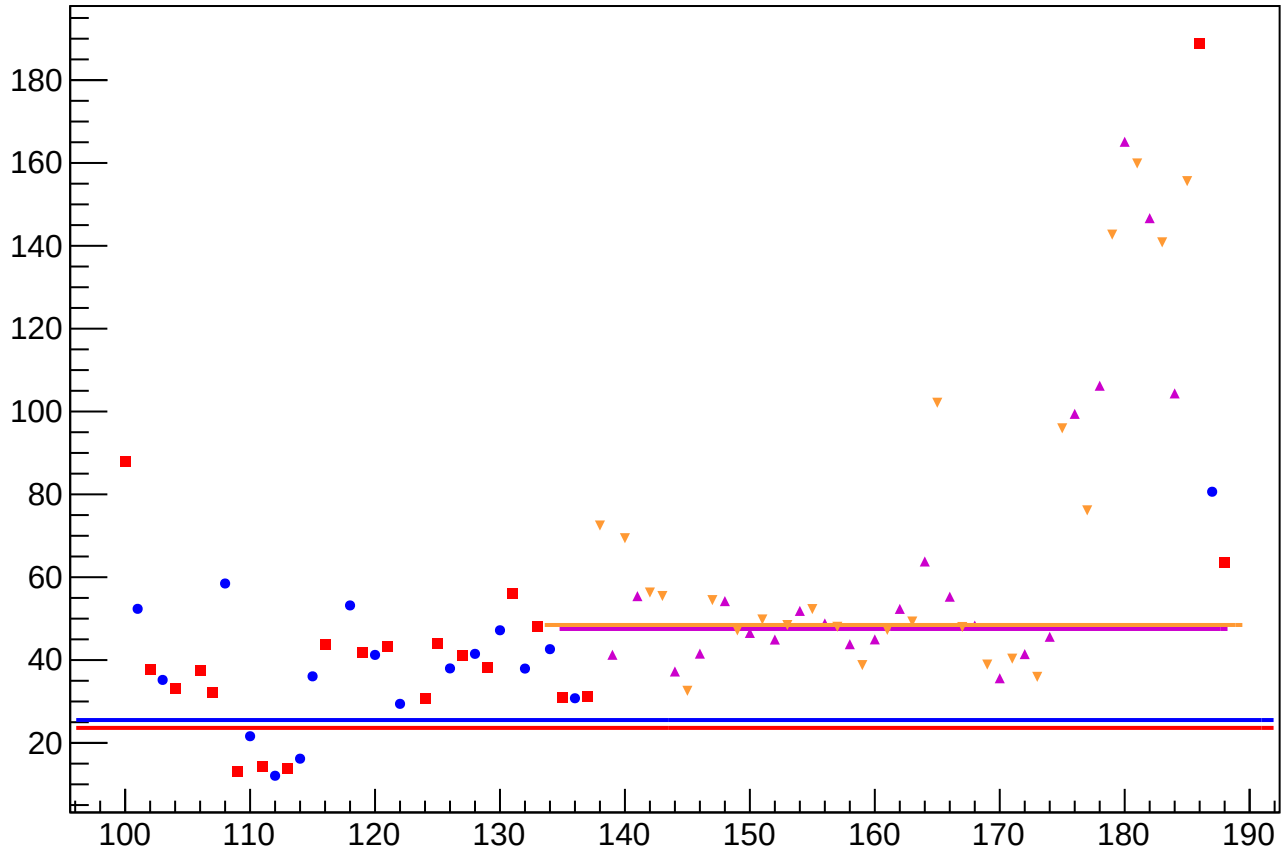
Left: -0.000+/-0.008 χ^2/NDF: 47.3/47

Right: 0.004+/-0.007 χ^2/NDF: 45.2/37

In: 0.016+/-0.008 χ^2/NDF:45.2/39

Out: -0.010+/-0.008 χ^2/NDF:42.1/45

All: 0.002+/-0.006 χ^2/NDF: 92.7/85



Right In: 25.522+/-0.008 χ^2/NDF: 3095031.6/16

Left Out: 48.471+/-0.008 χ^2/NDF:4373812.0/24

Right Out: 23.625+/-0.007 χ^2/NDF: 4478150.6/20

Left In: 47.505+/-0.009 χ^2/NDF:3075161.5/22

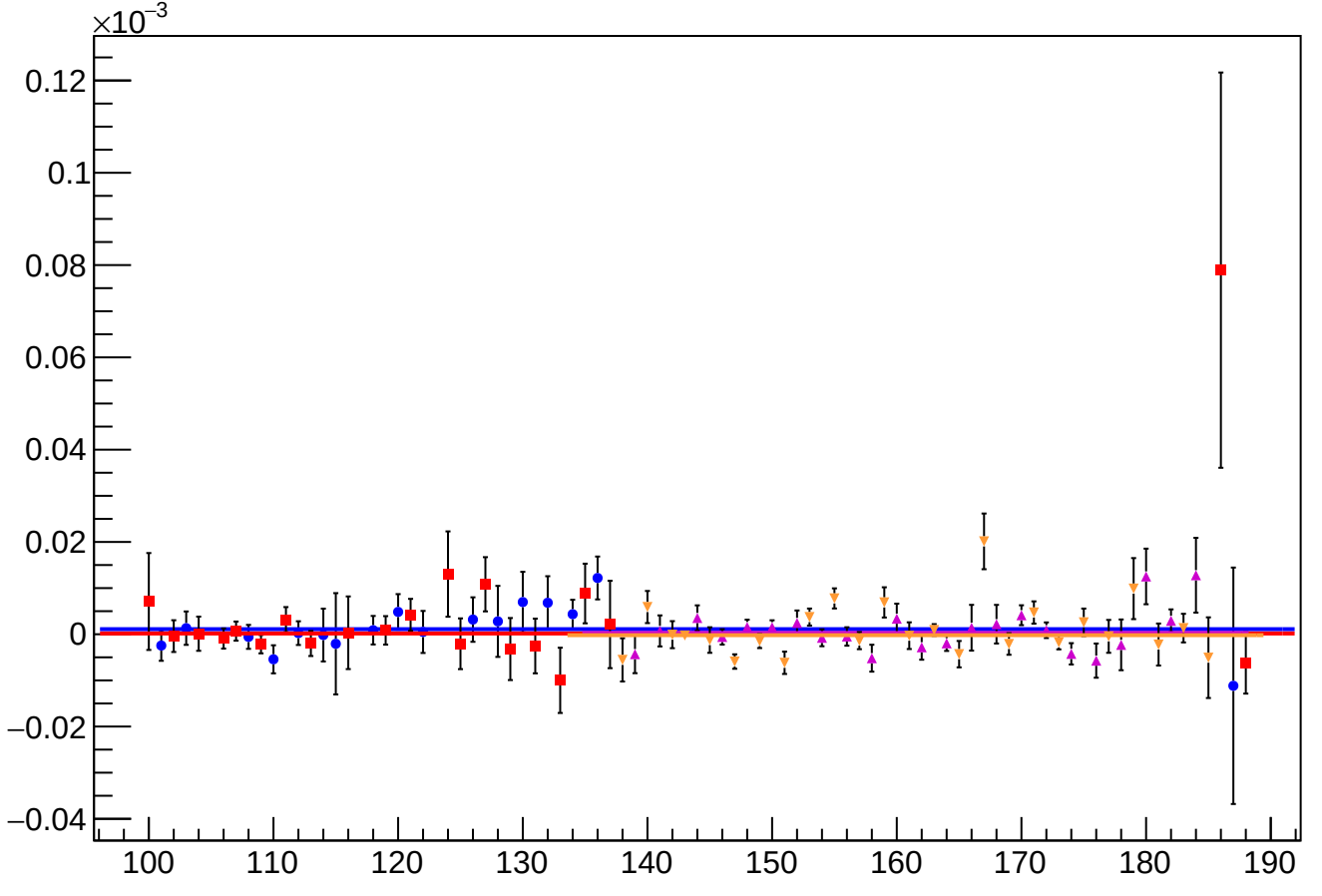
Left: 47.989+/-0.006 χ^2/NDF: 7455439.1/47

Right: 24.450+/-0.005 χ^2/NDF: 7606518.1/37

In: 35.580+/-0.006 χ^2/NDF:9791800.2/39

Out: 33.425+/-0.005 χ^2/NDF:14038105.3/45

All: 34.420+/-0.004 χ^2/NDF: 23905361.9/85



Right In: 0.000+/-0.000 χ^2/NDF: 16.4/16

Left Out: -0.000+/-0.000 χ^2/NDF:71.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 19.4/20

Left In: 0.000+/-0.000 χ^2/NDF:30.9/22

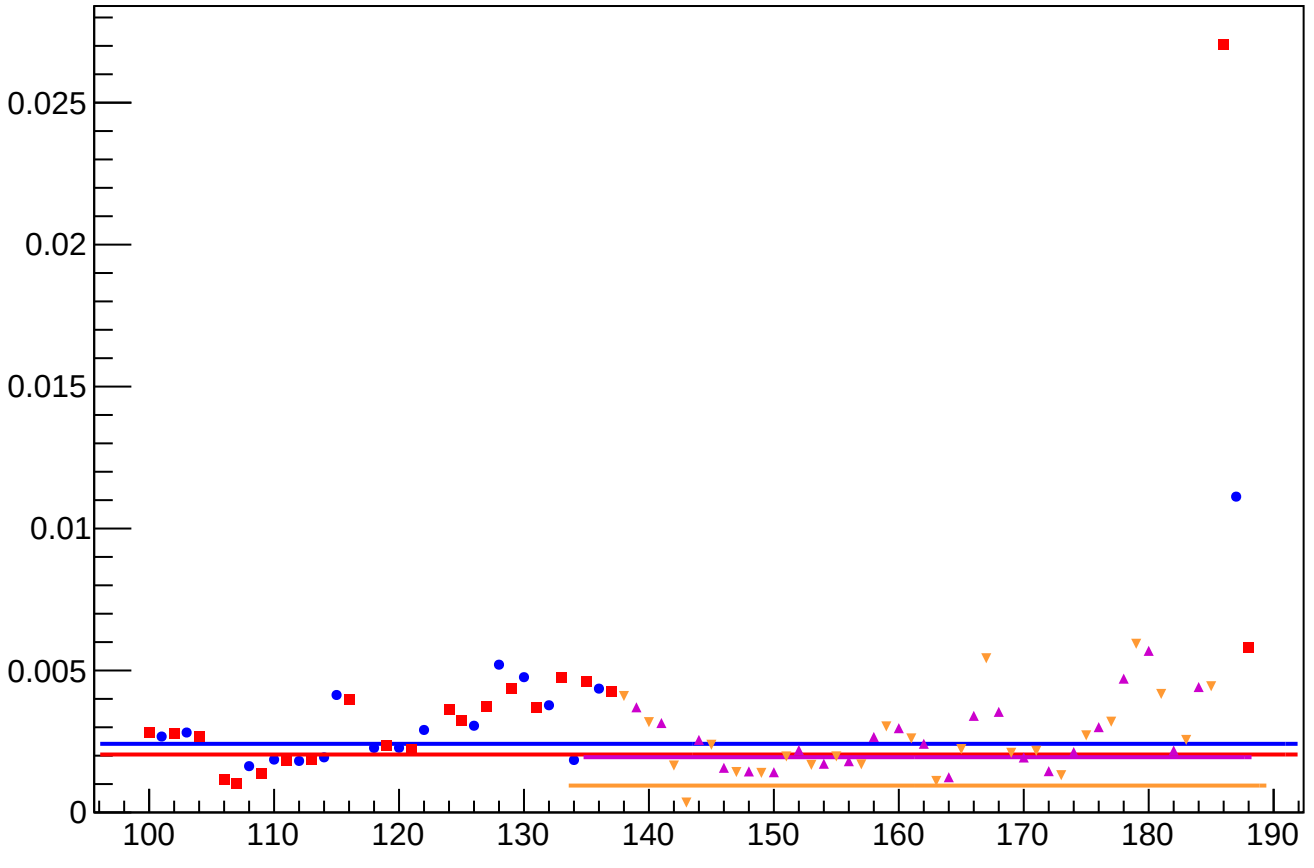
Left: -0.000+/-0.000 χ^2/NDF: 103.2/47

Right: 0.000+/-0.000 χ^2/NDF: 36.4/37

In: 0.000+/-0.000 χ^2/NDF:47.9/39

Out: -0.000+/-0.000 χ^2/NDF:91.3/45

All: 0.000+/-0.000 χ^2/NDF: 140.5/85



Right In: 0.002+/-0.000 χ^2/NDF: 1803308.5/16

Left Out: 0.001+/-0.000 χ^2/NDF:17608951.7/24

Right Out: 0.002+/-0.000 χ^2/NDF: 4109710.0/20

Left In: 0.002+/-0.000 χ^2/NDF:4362371.5/22

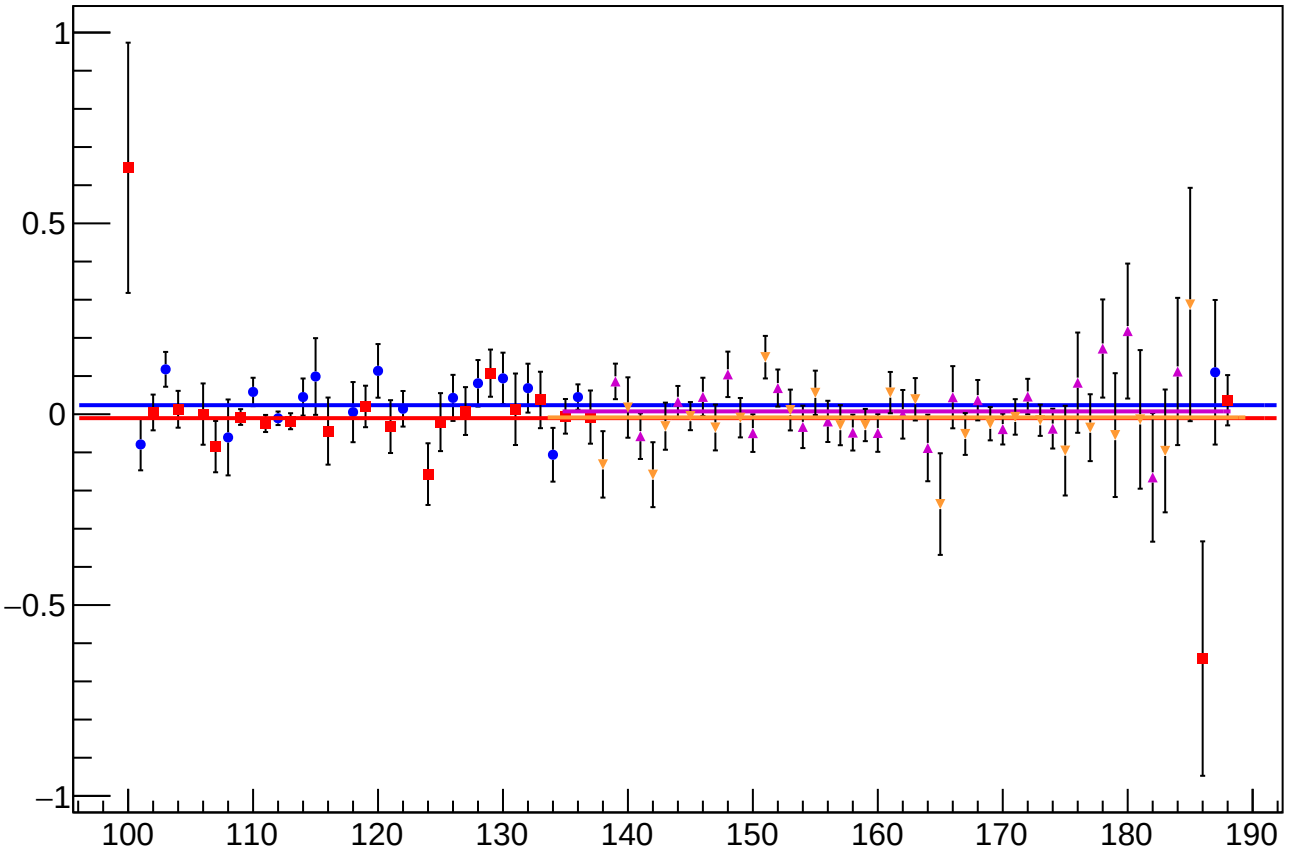
Left: 0.001+/-0.000 χ^2/NDF: 27882769.2/47

Right: 0.002+/-0.000 χ^2/NDF: 6094222.2/37

In: 0.002+/-0.000 χ^2/NDF:6549459.3/39

Out: 0.001+/-0.000 χ^2/NDF:24948925.0/45

All: 0.001+/-0.000 χ^2/NDF: 38308531.0/85



Right In: 0.024+/-0.011 χ^2/NDF: 20.9/16

Left Out: -0.008+/-0.012 χ^2/NDF:23.2/24

Right Out: -0.010+/-0.010 χ^2/NDF: 19.0/20

Left In: 0.007+/-0.012 χ^2/NDF:23.2/22

Left: -0.000+/-0.008 χ^2/NDF: 47.3/47

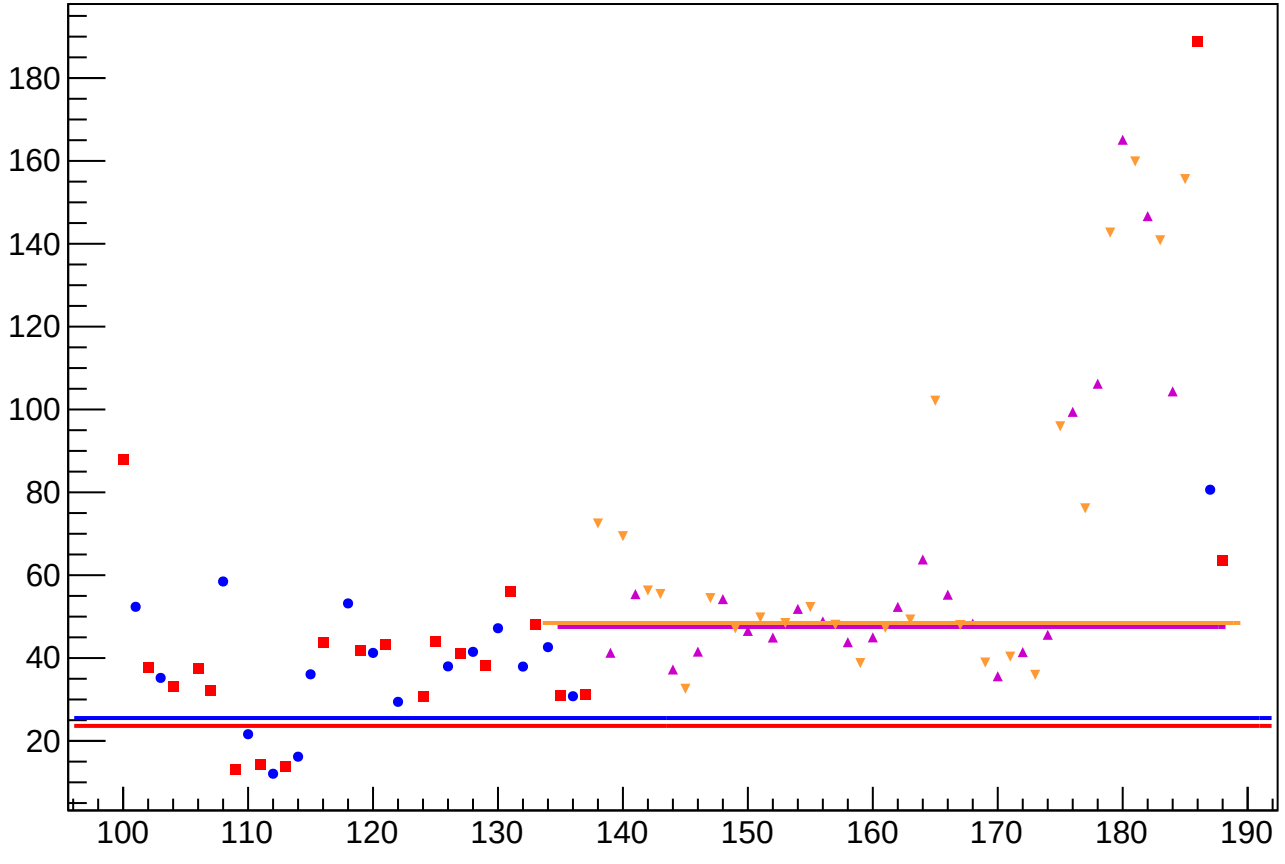
Right: 0.004+/-0.007 χ^2/NDF: 45.2/37

In: 0.016+/-0.008 χ^2/NDF:45.2/39

Out: -0.010+/-0.008 χ^2/NDF:42.1/45

All: 0.002+/-0.006 χ^2/NDF: 92.7/85

asym_sam_48_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 25.521+/-0.008 χ^2/NDF: 3095455.3/16

Left Out: 48.471+/-0.008 χ^2/NDF:4373775.4/24

Right Out: 23.624+/-0.007 χ^2/NDF: 4478309.8/20

Left In: 47.505+/-0.009 χ^2/NDF:3075116.0/22

Left: 47.989+/-0.006 χ^2/NDF: 7455357.0/47

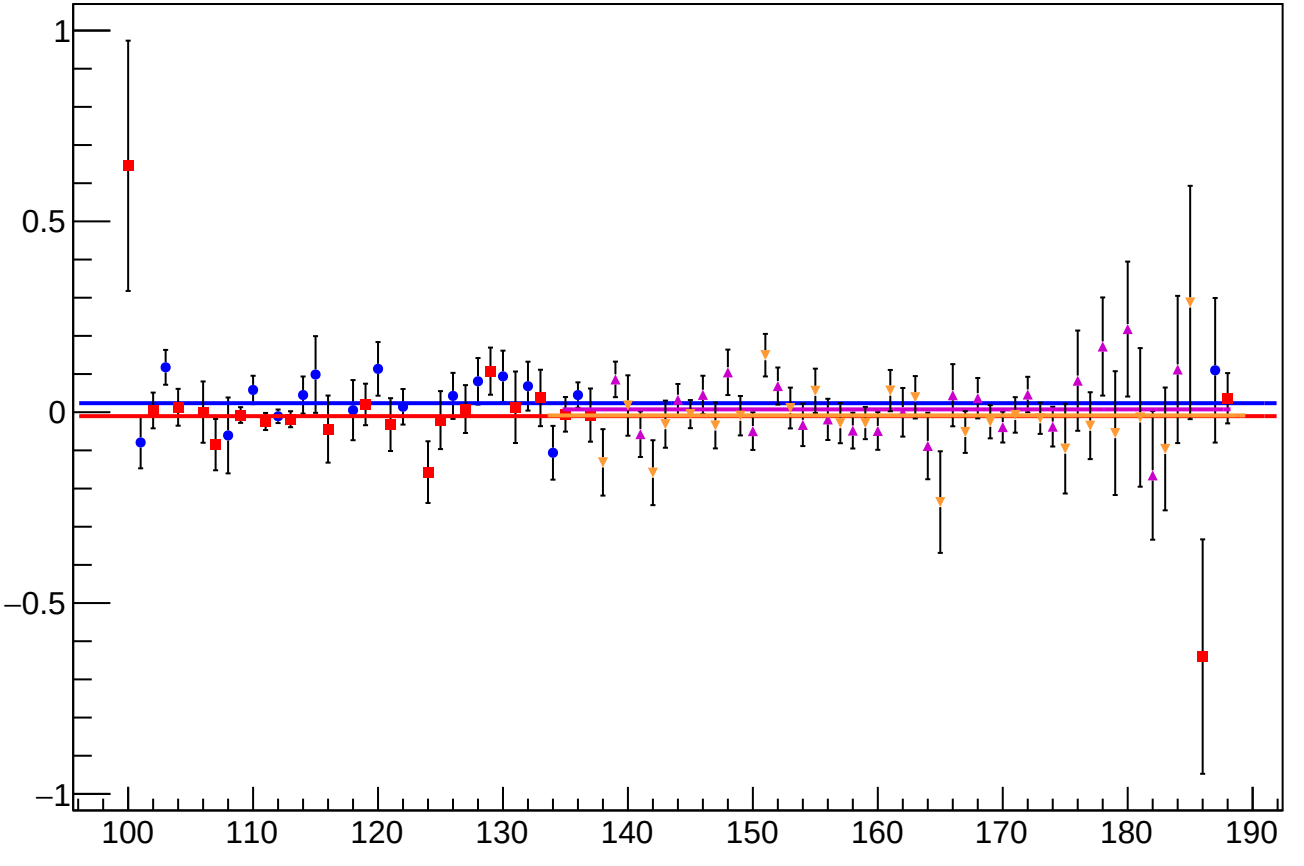
Right: 24.449+/-0.005 χ^2/NDF: 7607066.9/37

In: 35.579+/-0.006 χ^2/NDF:9792785.8/39

Out: 33.425+/-0.005 χ^2/NDF:14038472.7/45

All: 34.420+/-0.004 χ^2/NDF: 23906664.3/85

asym_sam_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.024+/-0.011 χ^2/NDF: 20.9/16

Left Out: -0.008+/-0.012 χ^2/NDF:23.2/24

Right Out: -0.010+/-0.010 χ^2/NDF: 19.0/20

Left In: 0.007+/-0.012 χ^2/NDF:23.2/22

Left: -0.000+/-0.008 χ^2/NDF: 47.3/47

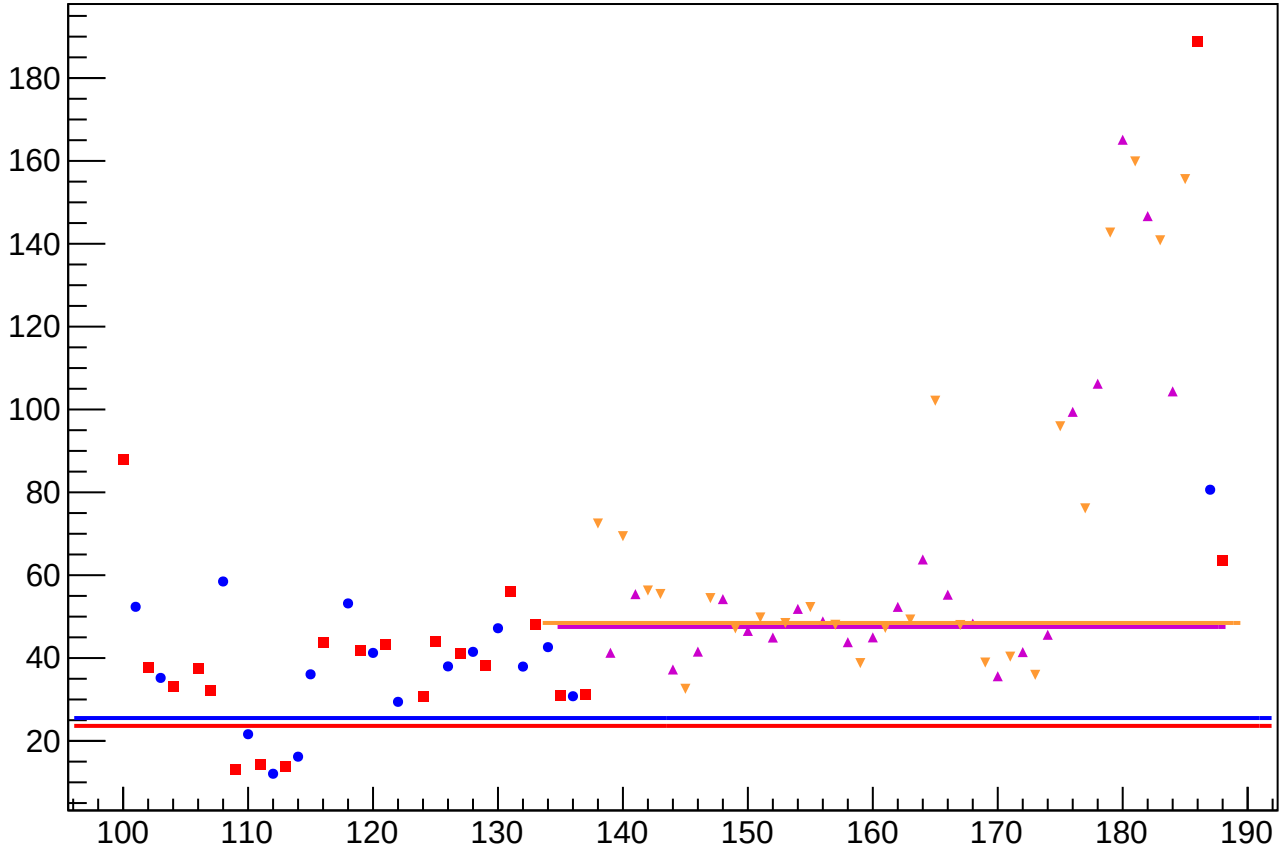
Right: 0.004+/-0.007 χ^2/NDF: 45.2/37

In: 0.016+/-0.008 χ^2/NDF:45.2/39

Out: -0.010+/-0.008 χ^2/NDF:42.1/45

All: 0.002+/-0.006 χ^2/NDF: 92.7/85

asym_sam_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 25.521+/-0.008 χ^2/NDF: 3095455.3/16

Left Out: 48.471+/-0.008 χ^2/NDF:4373775.4/24

Right Out: 23.624+/-0.007 χ^2/NDF: 4478309.8/20

Left In: 47.505+/-0.009 χ^2/NDF:3075116.0/22

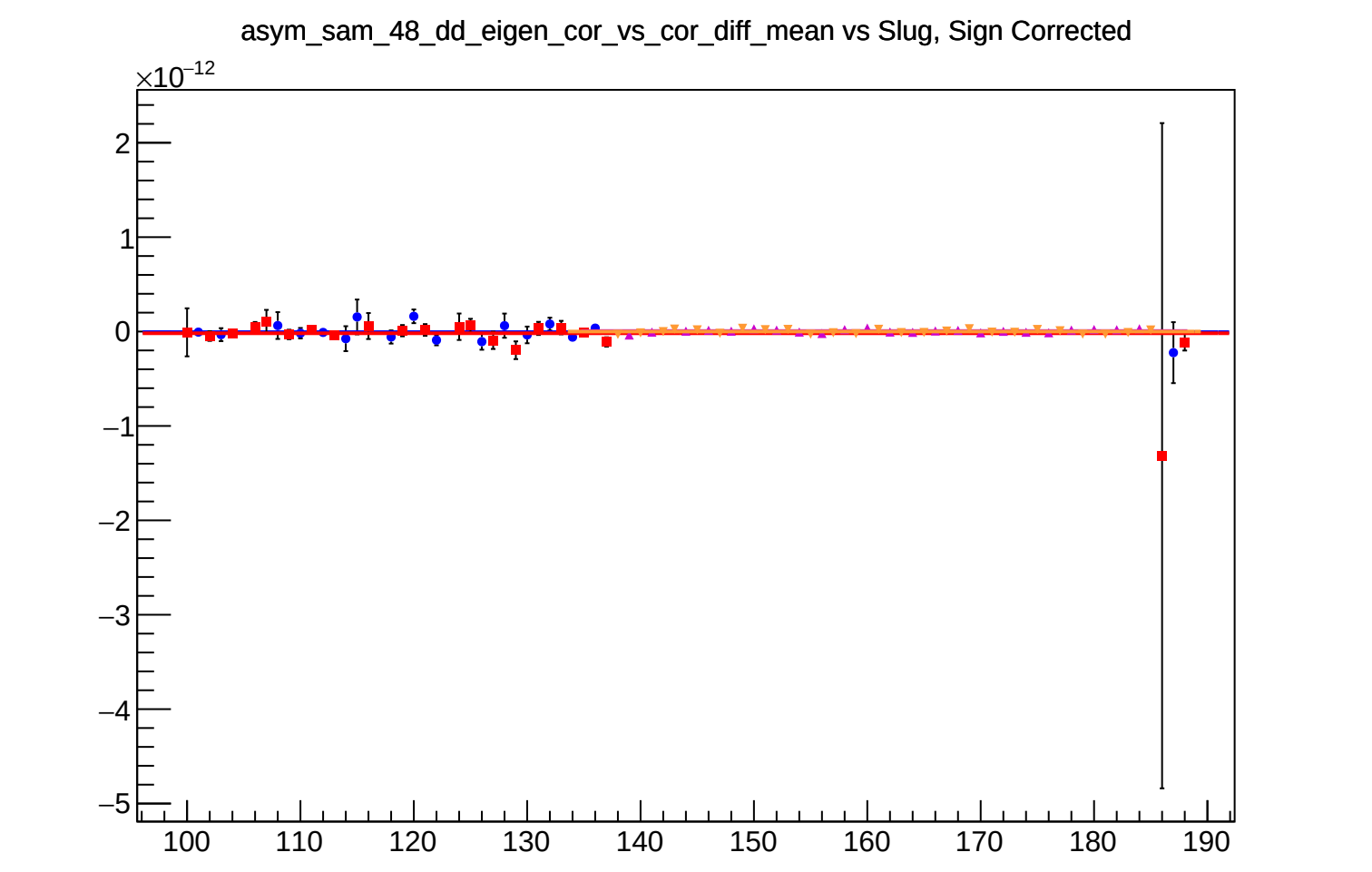
Left: 47.989+/-0.006 χ^2/NDF: 7455357.0/47

Right: 24.449+/-0.005 χ^2/NDF: 7607066.9/37

In: 35.579+/-0.006 χ^2/NDF:9792785.8/39

Out: 33.425+/-0.005 χ^2/NDF:14038472.7/45

All: 34.420+/-0.004 χ^2/NDF: 23906664.3/85



Right In: -0.000+/-0.000 χ^2/NDF: 19.3/16

Left Out: 0.000+/-0.000 χ^2/NDF:31.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 16.3/20

Left In: 0.000+/-0.000 χ^2/NDF:19.1/22

Left: 0.000+/-0.000 χ^2/NDF: 51.7/47

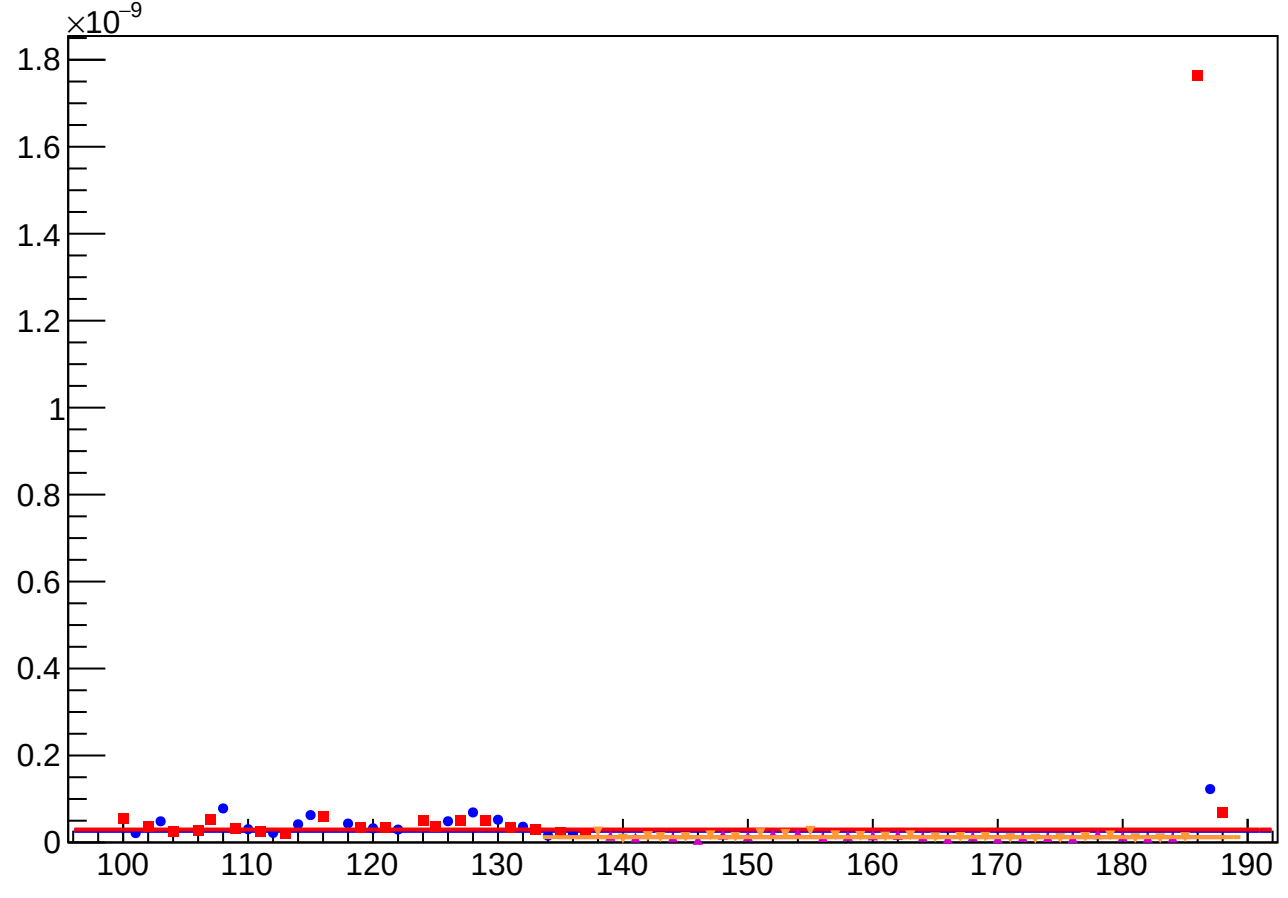
Right: -0.000+/-0.000 χ^2/NDF: 36.0/37

In: 0.000+/-0.000 χ^2/NDF:39.2/39

Out: -0.000+/-0.000 χ^2/NDF:49.5/45

All: 0.000+/-0.000 χ^2/NDF: 90.0/85

asym_sam_48_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1870913.6/16

Left Out: 0.000+/-0.000 χ^2/NDF:1915201.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 1785073.0/20

Left In: 0.000+/-0.000 χ^2/NDF:1925839.7/22

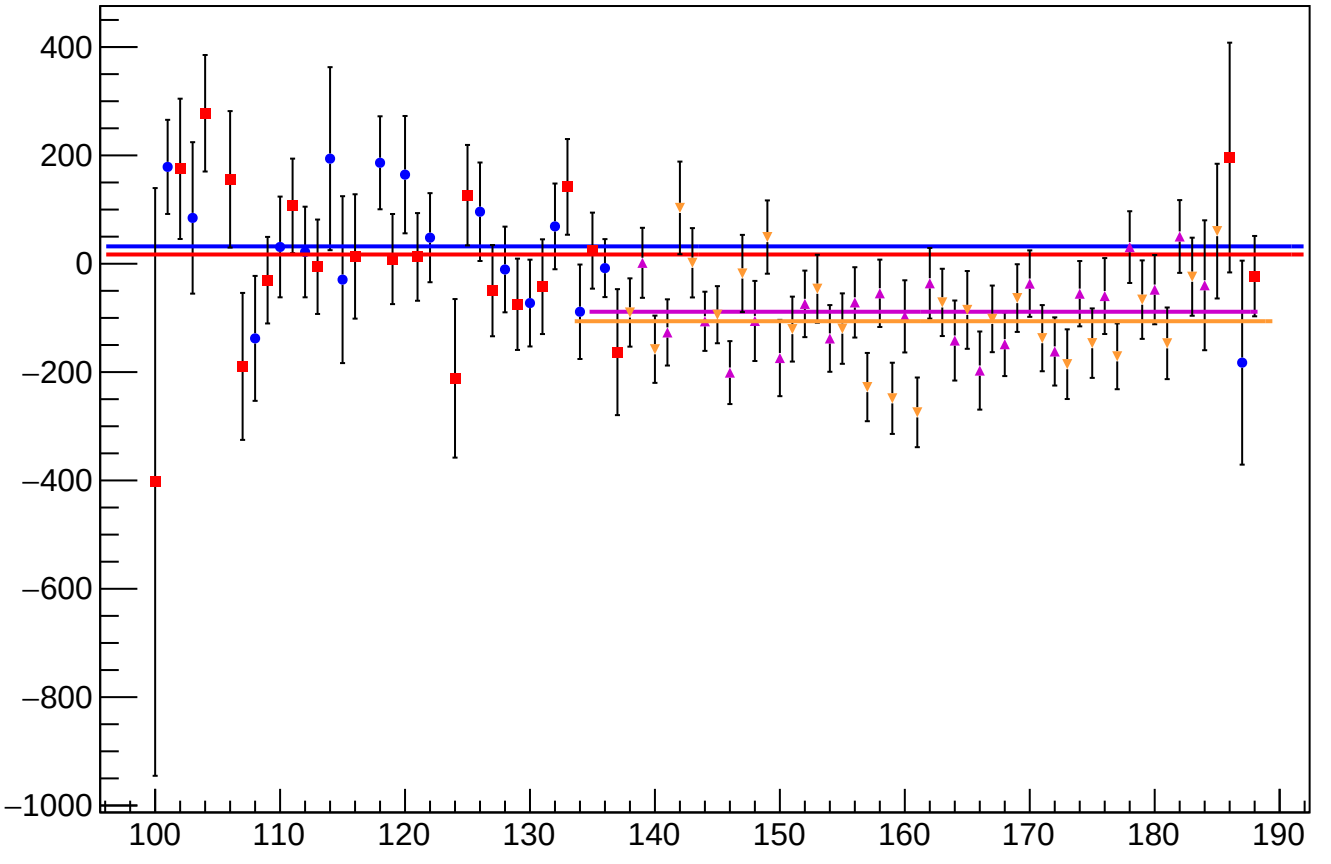
Left: 0.000+/-0.000 χ^2/NDF: 3841224.4/47

Right: 0.000+/-0.000 χ^2/NDF: 3710130.7/37

In: 0.000+/-0.000 χ^2/NDF:6198143.5/39

Out: 0.000+/-0.000 χ^2/NDF:6986569.9/45

All: 0.000+/-0.000 χ^2/NDF: 13185942.7/85



Right In: 32.052+/-21.983 χ^2/NDF: 17.5/16

Left Out: -106.100+/-13.089 χ^2/NDF:40.7/24

Right Out: 17.081+/-21.107 χ^2/NDF: 24.5/20

Left In: -88.619+/-13.566 χ^2/NDF:23.9/22

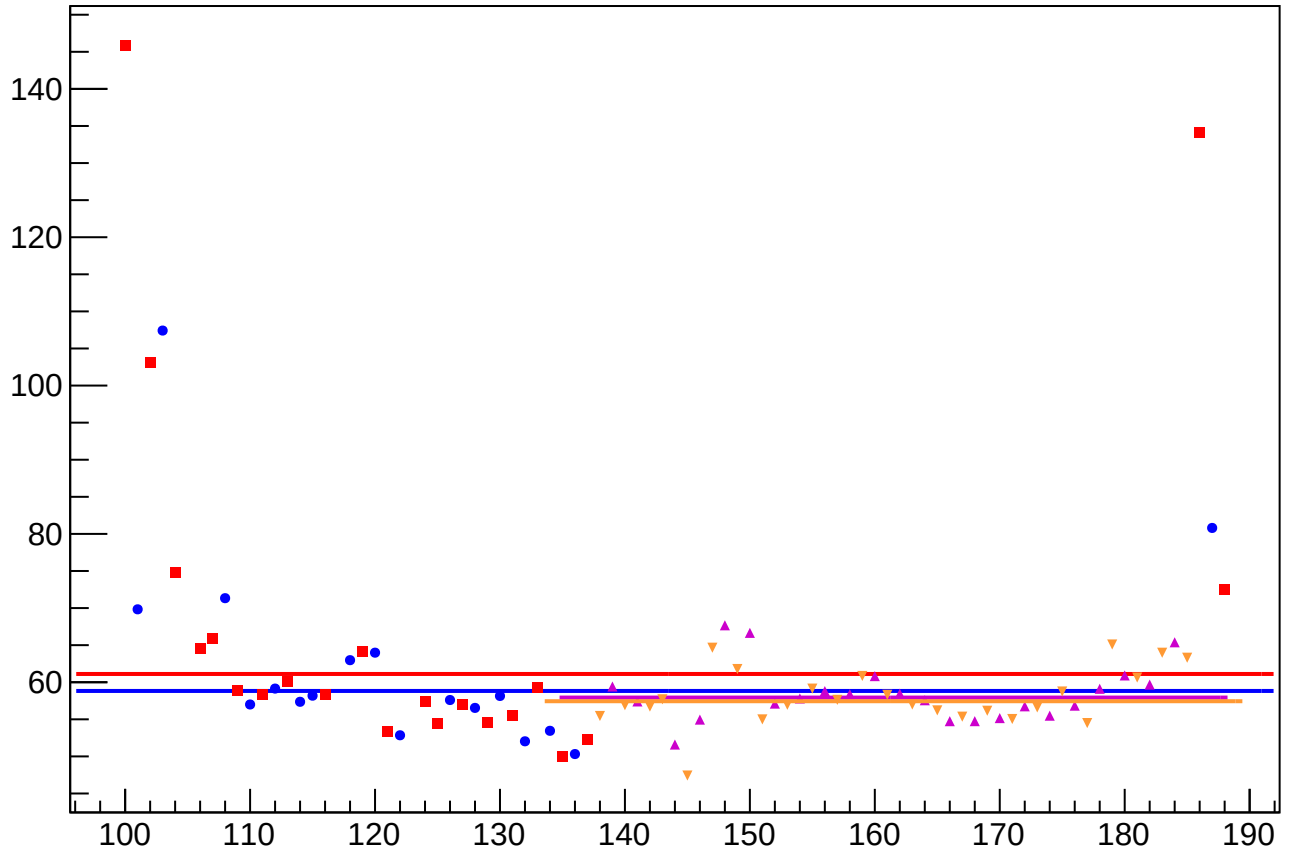
Left: -97.672+/-9.420 χ^2/NDF: 65.4/47

Right: 24.262+/-15.225 χ^2/NDF: 42.3/37

In: -55.338+/-11.545 χ^2/NDF:63.2/39

Out: -71.886+/-11.124 χ^2/NDF:89.8/45

All: -63.919+/-8.010 χ^2/NDF: 154.1/85



Right In: 58.825+/-0.016 χ^2/NDF: 420379.0/16

Left Out: 57.440+/-0.009 χ^2/NDF:174555.9/24

Right Out: 61.115+/-0.015 χ^2/NDF: 704293.2/20

Left In: 57.933+/-0.010 χ^2/NDF:135903.0/22

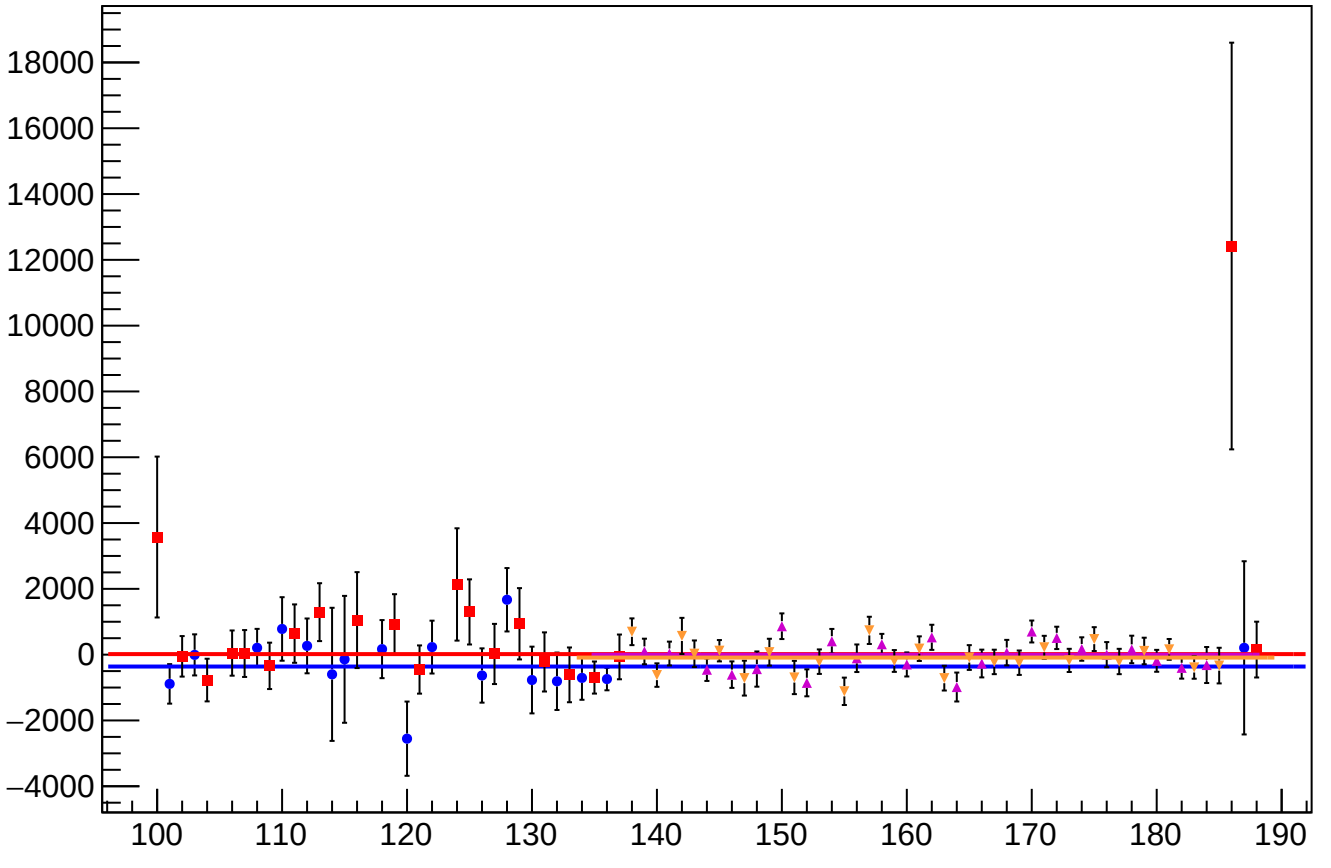
Left: 57.678+/-0.007 χ^2/NDF: 311823.9/47

Right: 60.017+/-0.011 χ^2/NDF: 1135959.2/37

In: 58.179+/-0.008 χ^2/NDF:558670.8/39

Out: 58.461+/-0.008 χ^2/NDF:922631.8/45

All: 58.325+/-0.006 χ^2/NDF: 1481921.2/85



Right In: -361.402+/-180.177 χ^2/NDF: 15.3/16

Left Out: -89.059+/-77.011 χ^2/NDF:29.9/24

Right Out: 16.709+/-178.887 χ^2/NDF: 19.1/20

Left In: -3.046+/-79.193 χ^2/NDF:33.6/22

Left: -47.253+/-55.210 χ^2/NDF: 64.1/47

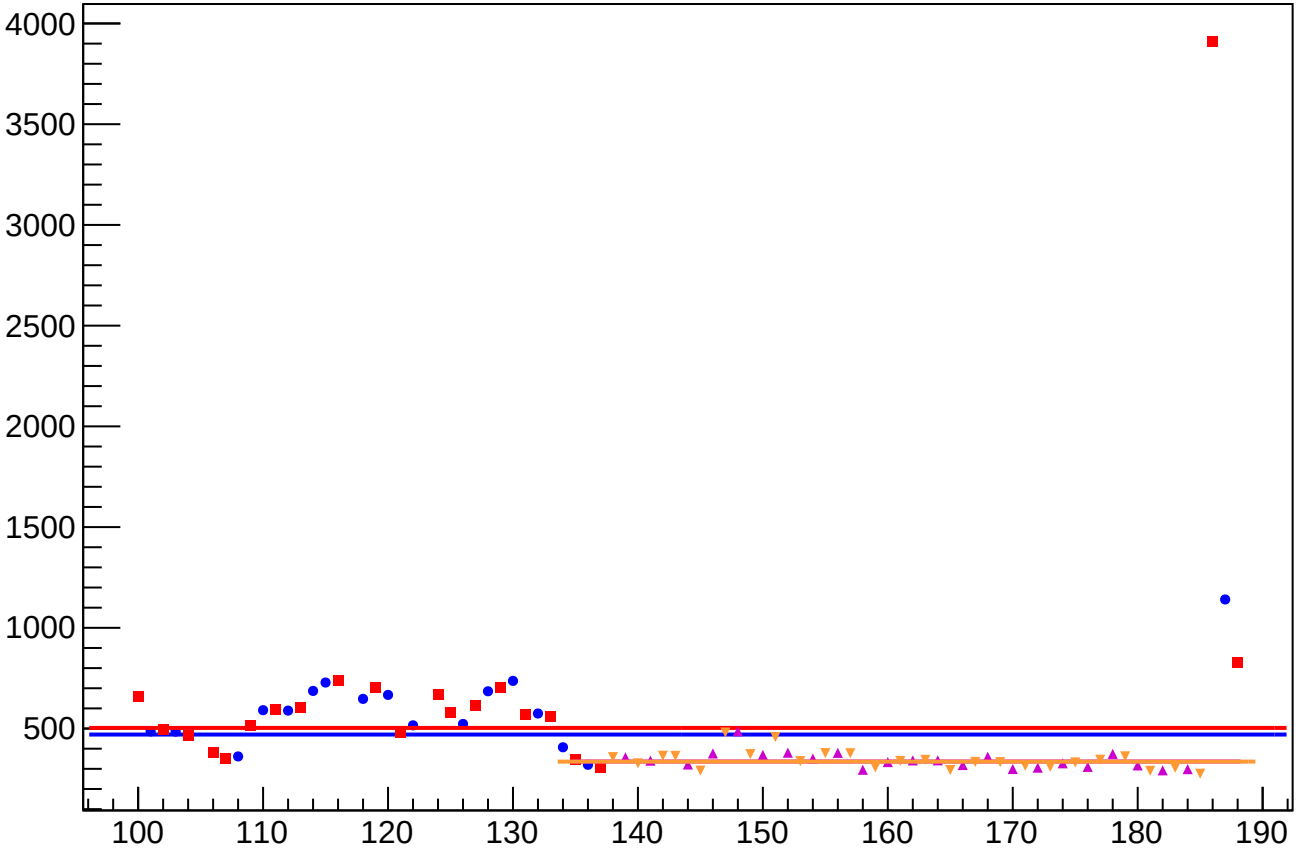
Right: -170.988+/-126.946 χ^2/NDF: 36.6/37

In: -61.066+/-72.499 χ^2/NDF:52.2/39

Out: -72.521+/-70.735 χ^2/NDF:49.4/45

All: -66.935+/-50.629 χ^2/NDF: 101.5/85

asym_sam_13_57_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 470.224+/-0.127 χ^2/NDF: 1160670.2/16

Left Out: 335.894+/-0.054 χ^2/NDF:533835.0/24

Right Out: 503.138+/-0.126 χ^2/NDF: 1795956.7/20

Left In: 336.343+/-0.056 χ^2/NDF:414202.1/22

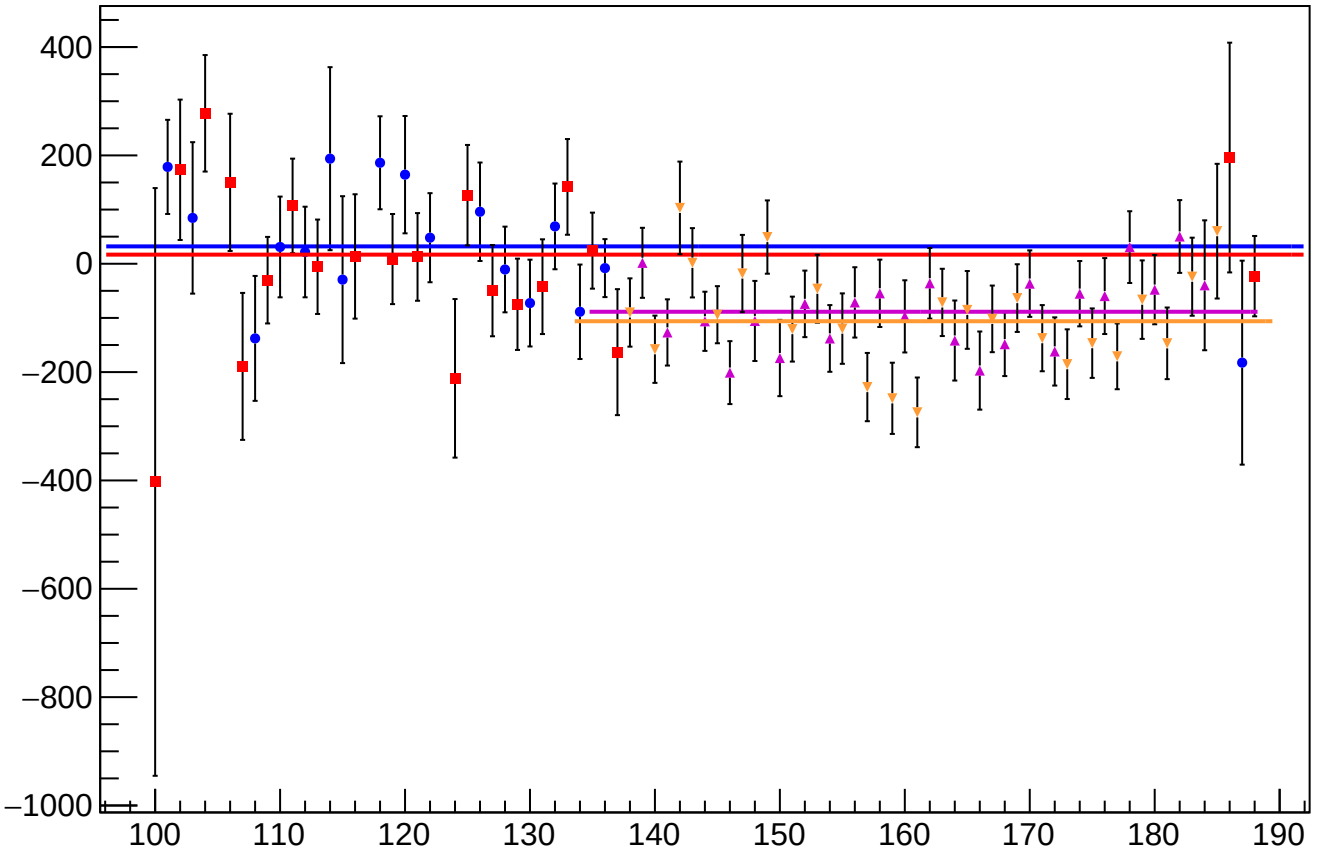
Left: 336.112+/-0.039 χ^2/NDF: 948070.1/47

Right: 486.799+/-0.090 χ^2/NDF: 2990236.9/37

In: 358.020+/-0.051 χ^2/NDF:2500340.8/39

Out: 362.043+/-0.050 χ^2/NDF:3804589.8/45

All: 360.081+/-0.036 χ^2/NDF: 6308087.2/85



Right In: 32.050+/-21.983 χ^2/NDF: 17.5/16

Left Out: -106.099+/-13.089 χ^2/NDF:40.7/24

Right Out: 16.831+/-21.110 χ^2/NDF: 24.4/20

Left In: -88.621+/-13.566 χ^2/NDF:23.9/22

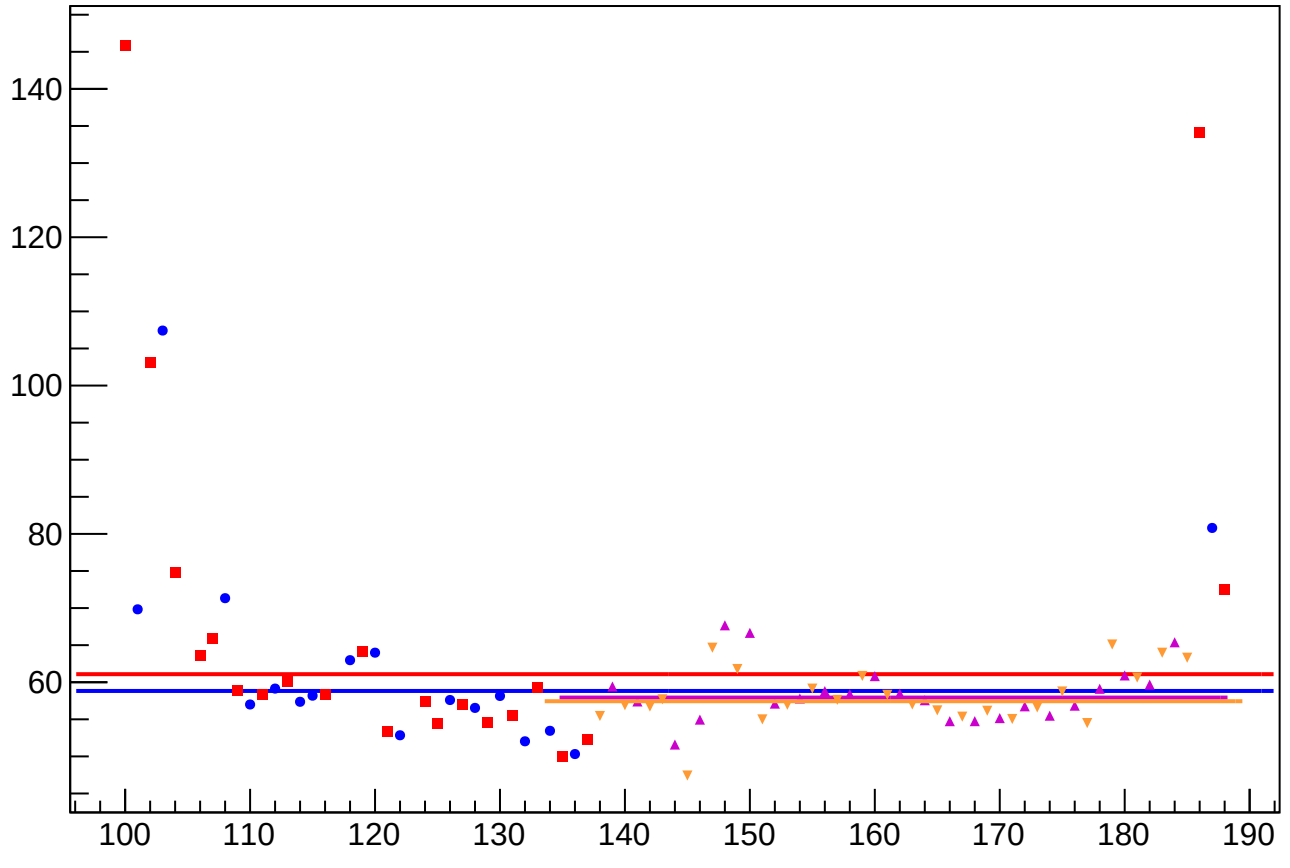
Left: -97.673+/-9.420 χ^2/NDF: 65.4/47

Right: 24.132+/-15.226 χ^2/NDF: 42.1/37

In: -55.340+/-11.545 χ^2/NDF:63.2/39

Out: -71.963+/-11.124 χ^2/NDF:89.5/45

All: -63.960+/-8.011 χ^2/NDF: 153.8/85



Right In: 58.825+/-0.016 χ^2/NDF: 420381.1/16

Left Out: 57.440+/-0.009 χ^2/NDF:174555.9/24

Right Out: 61.087+/-0.015 χ^2/NDF: 703764.8/20

Left In: 57.933+/-0.010 χ^2/NDF:135903.0/22

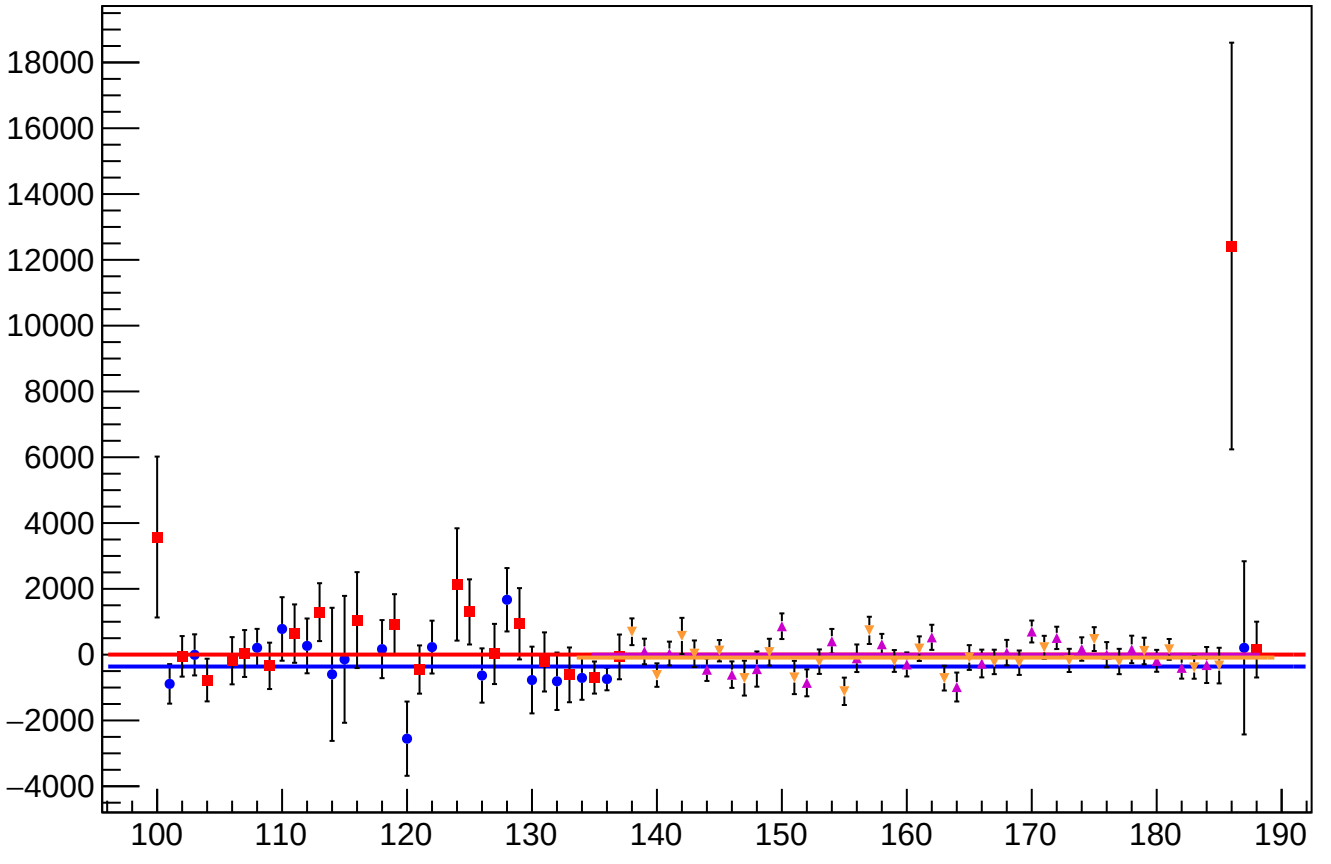
Left: 57.678+/-0.007 χ^2/NDF: 311823.9/47

Right: 60.002+/-0.011 χ^2/NDF: 1135153.5/37

In: 58.179+/-0.008 χ^2/NDF:558672.9/39

Out: 58.453+/-0.008 χ^2/NDF:921420.4/45

All: 58.321+/-0.006 χ^2/NDF: 1480676.8/85



Right In: -361.366+/-180.178 χ^2/NDF: 15.3/16

Left Out: -89.061+/-77.011 χ^2/NDF:29.9/24

Right Out: 2.002+/-179.414 χ^2/NDF: 19.2/20

Left In: -3.047+/-79.193 χ^2/NDF:33.6/22

Left: -47.256+/-55.210 χ^2/NDF: 64.1/47

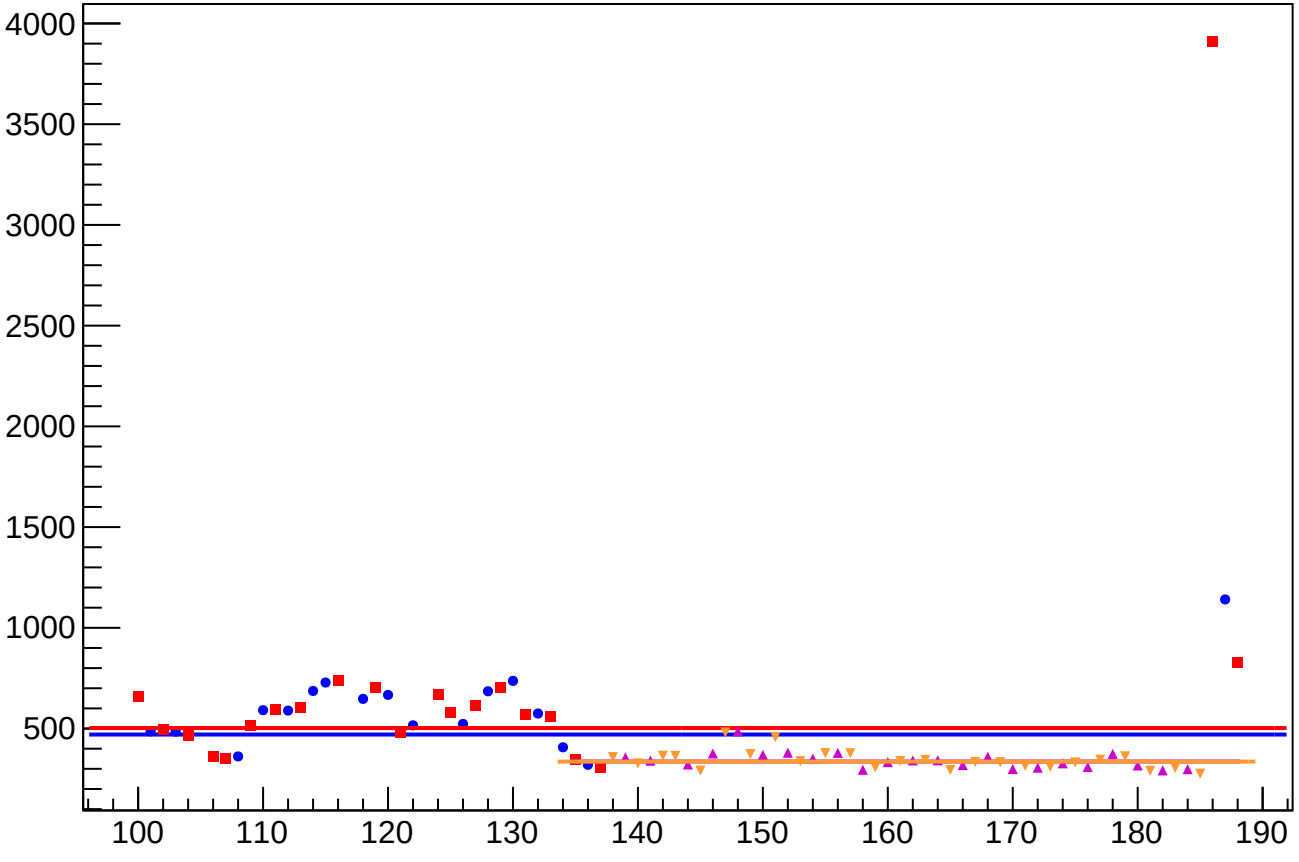
Right: -178.910+/-127.134 χ^2/NDF: 36.5/37

In: -61.061+/-72.499 χ^2/NDF:52.2/39

Out: -74.894+/-70.767 χ^2/NDF:49.3/45

All: -68.145+/-50.641 χ^2/NDF: 101.5/85

asym_sam_13_57_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 470.227+/-0.127 χ^2/NDF: 1160671.5/16

Left Out: 335.894+/-0.054 χ^2/NDF:533835.9/24

Right Out: 502.569+/-0.127 χ^2/NDF: 1812064.6/20

Left In: 336.343+/-0.056 χ^2/NDF:414205.9/22

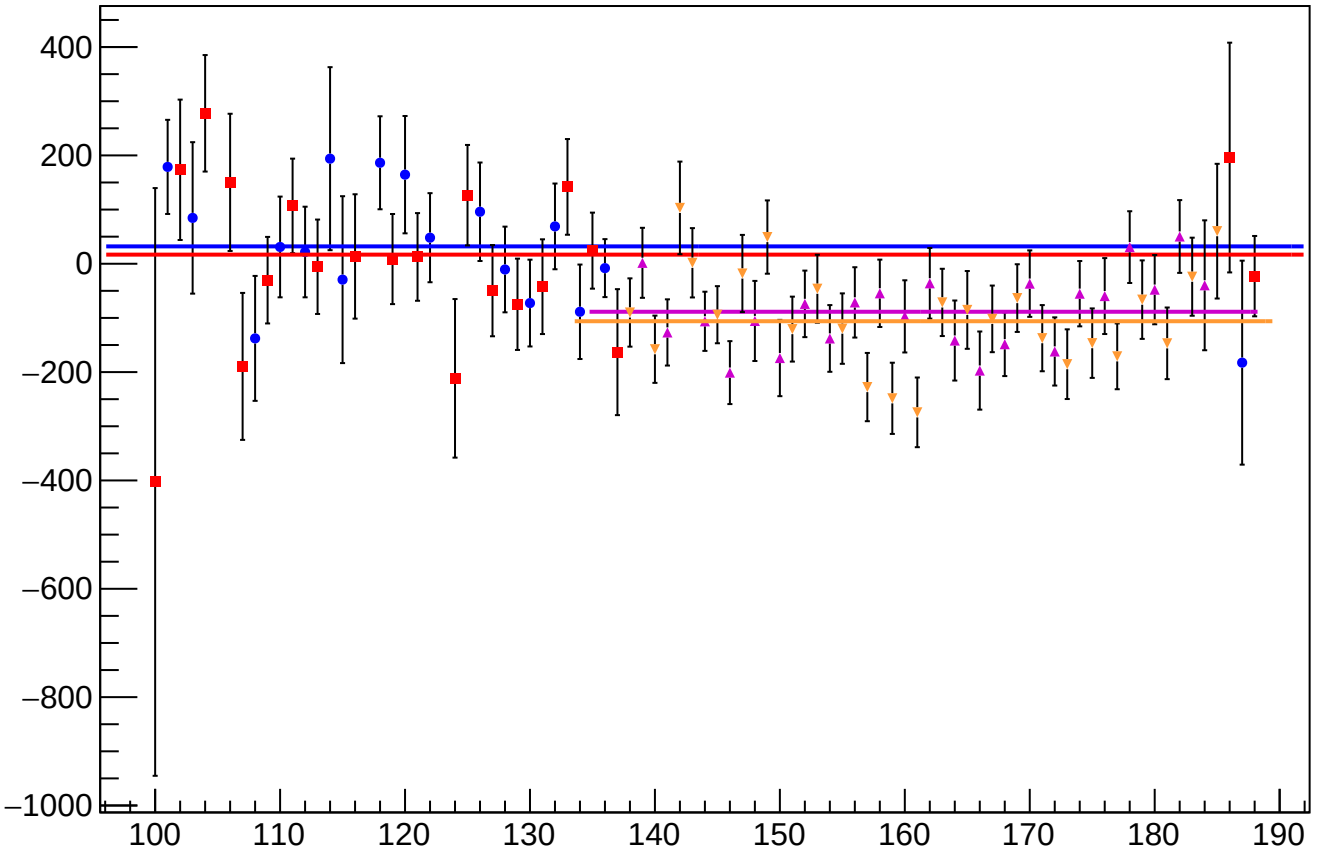
Left: 336.112+/-0.039 χ^2/NDF: 948074.8/47

Right: 486.467+/-0.090 χ^2/NDF: 3005094.6/37

In: 358.020+/-0.051 χ^2/NDF:2500373.9/39

Out: 361.826+/-0.050 χ^2/NDF:3803430.9/45

All: 359.969+/-0.036 χ^2/NDF: 6306627.1/85



Right In: 32.050+/-21.983 χ^2/NDF: 17.5/16

Left Out: -106.099+/-13.089 χ^2/NDF:40.7/24

Right Out: 16.831+/-21.110 χ^2/NDF: 24.4/20

Left In: -88.621+/-13.566 χ^2/NDF:23.9/22

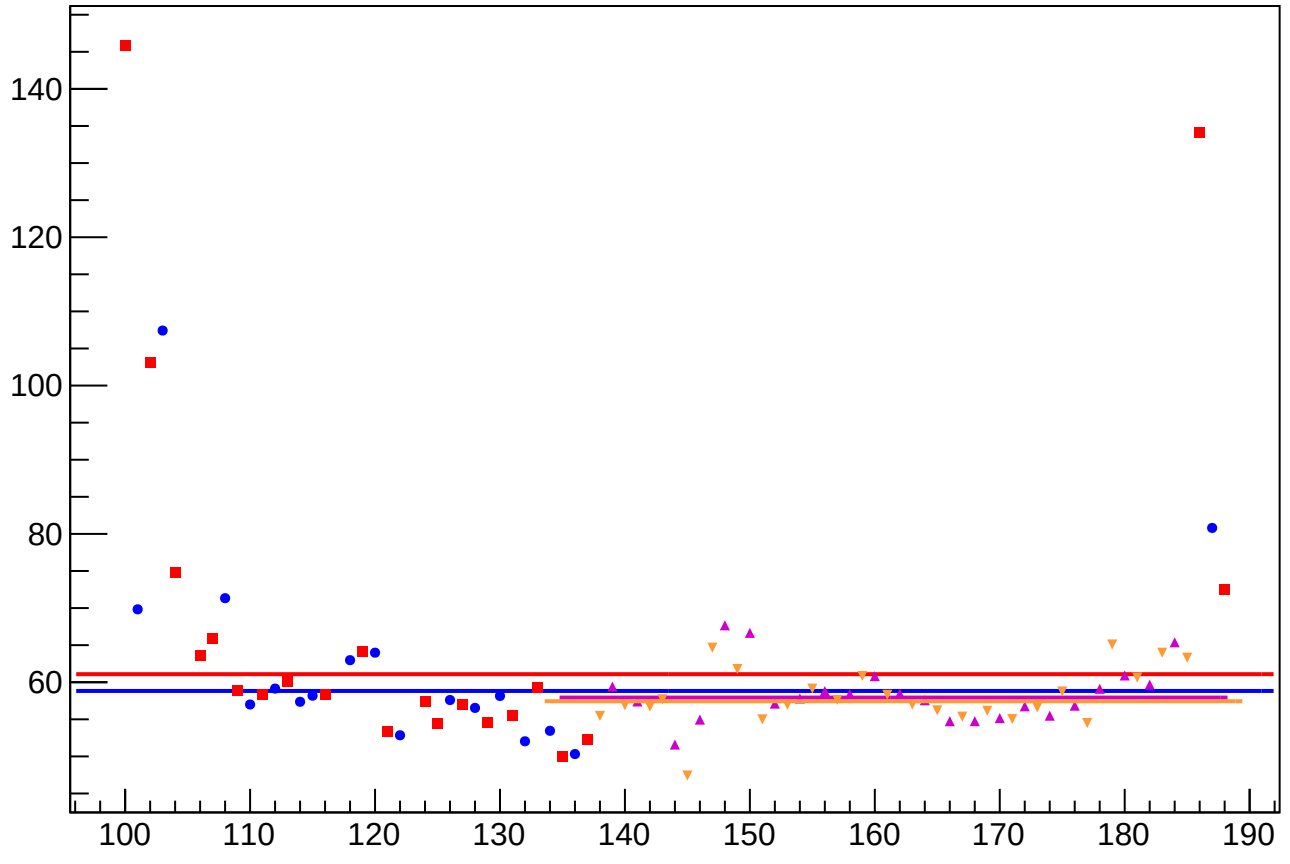
Left: -97.673+/-9.420 χ^2/NDF: 65.4/47

Right: 24.132+/-15.226 χ^2/NDF: 42.1/37

In: -55.340+/-11.545 χ^2/NDF:63.2/39

Out: -71.963+/-11.124 χ^2/NDF:89.5/45

All: -63.960+/-8.011 χ^2/NDF: 153.8/85



Right In: 58.825+/-0.016 χ^2/NDF: 420381.1/16

Left Out: 57.440+/-0.009 χ^2/NDF:174555.9/24

Right Out: 61.087+/-0.015 χ^2/NDF: 703764.8/20

Left In: 57.933+/-0.010 χ^2/NDF:135903.0/22

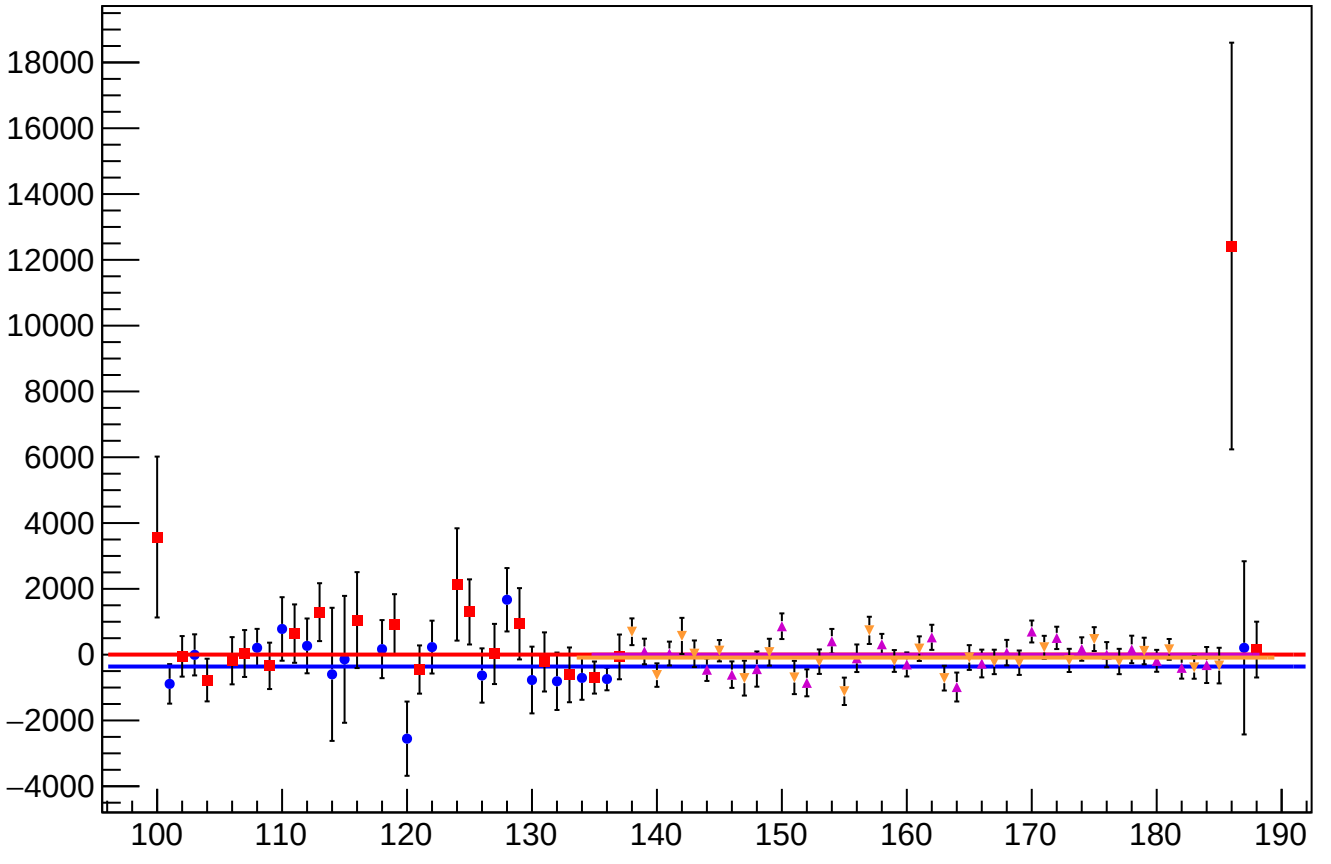
Left: 57.678+/-0.007 χ^2/NDF: 311823.9/47

Right: 60.002+/-0.011 χ^2/NDF: 1135153.5/37

In: 58.179+/-0.008 χ^2/NDF:558672.9/39

Out: 58.453+/-0.008 χ^2/NDF:921420.4/45

All: 58.321+/-0.006 χ^2/NDF: 1480676.8/85



Right In: -361.366+/-180.178 χ^2/NDF: 15.3/16

Left Out: -89.061+/-77.011 χ^2/NDF:29.9/24

Right Out: 2.002+/-179.414 χ^2/NDF: 19.2/20

Left In: -3.047+/-79.193 χ^2/NDF:33.6/22

Left: -47.256+/-55.210 χ^2/NDF: 64.1/47

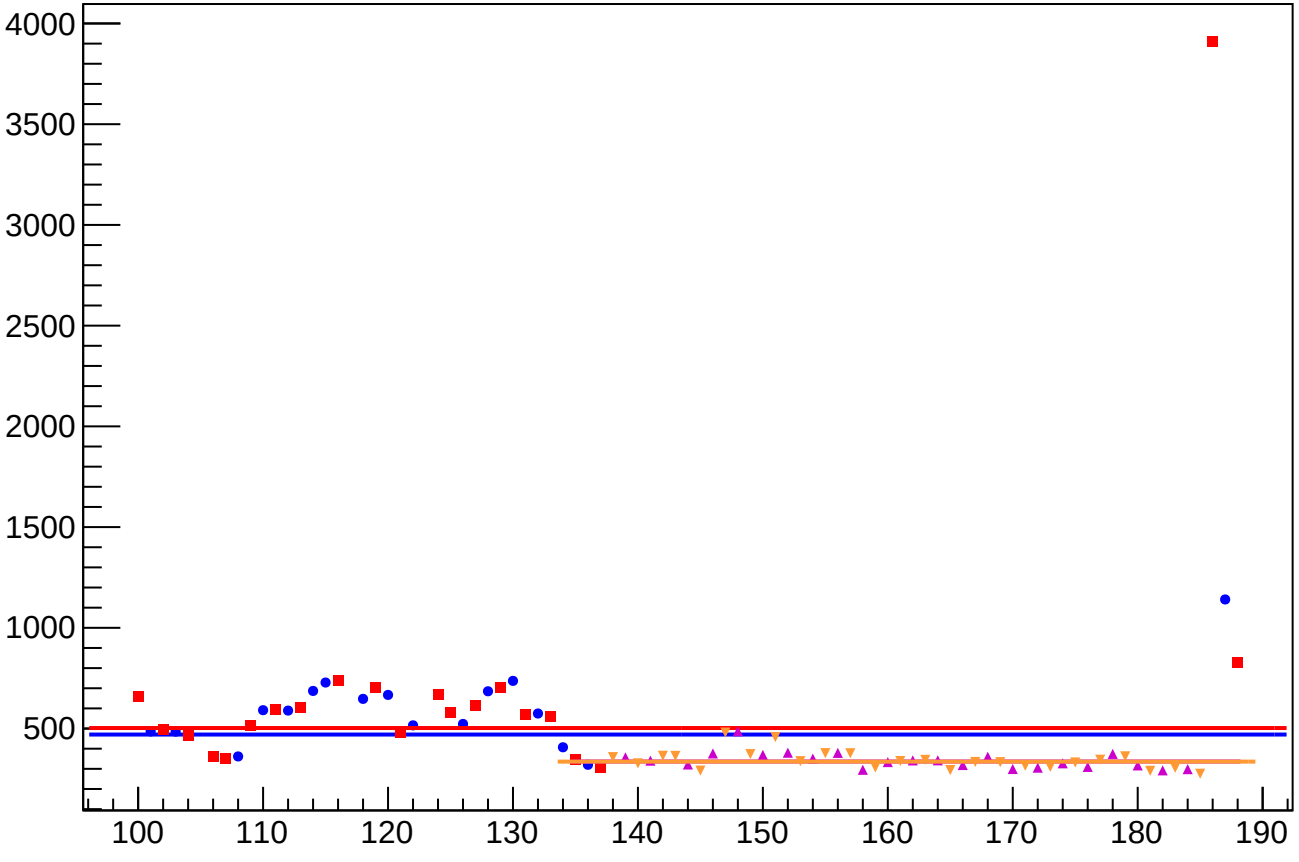
Right: -178.910+/-127.134 χ^2/NDF: 36.5/37

In: -61.061+/-72.499 χ^2/NDF:52.2/39

Out: -74.894+/-70.767 χ^2/NDF:49.3/45

All: -68.145+/-50.641 χ^2/NDF: 101.5/85

asym_sam_13_57_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 470.227+/-0.127 χ^2/NDF: 1160671.5/16

Left Out: 335.894+/-0.054 χ^2/NDF:533835.9/24

Right Out: 502.569+/-0.127 χ^2/NDF: 1812064.6/20

Left In: 336.343+/-0.056 χ^2/NDF:414205.9/22

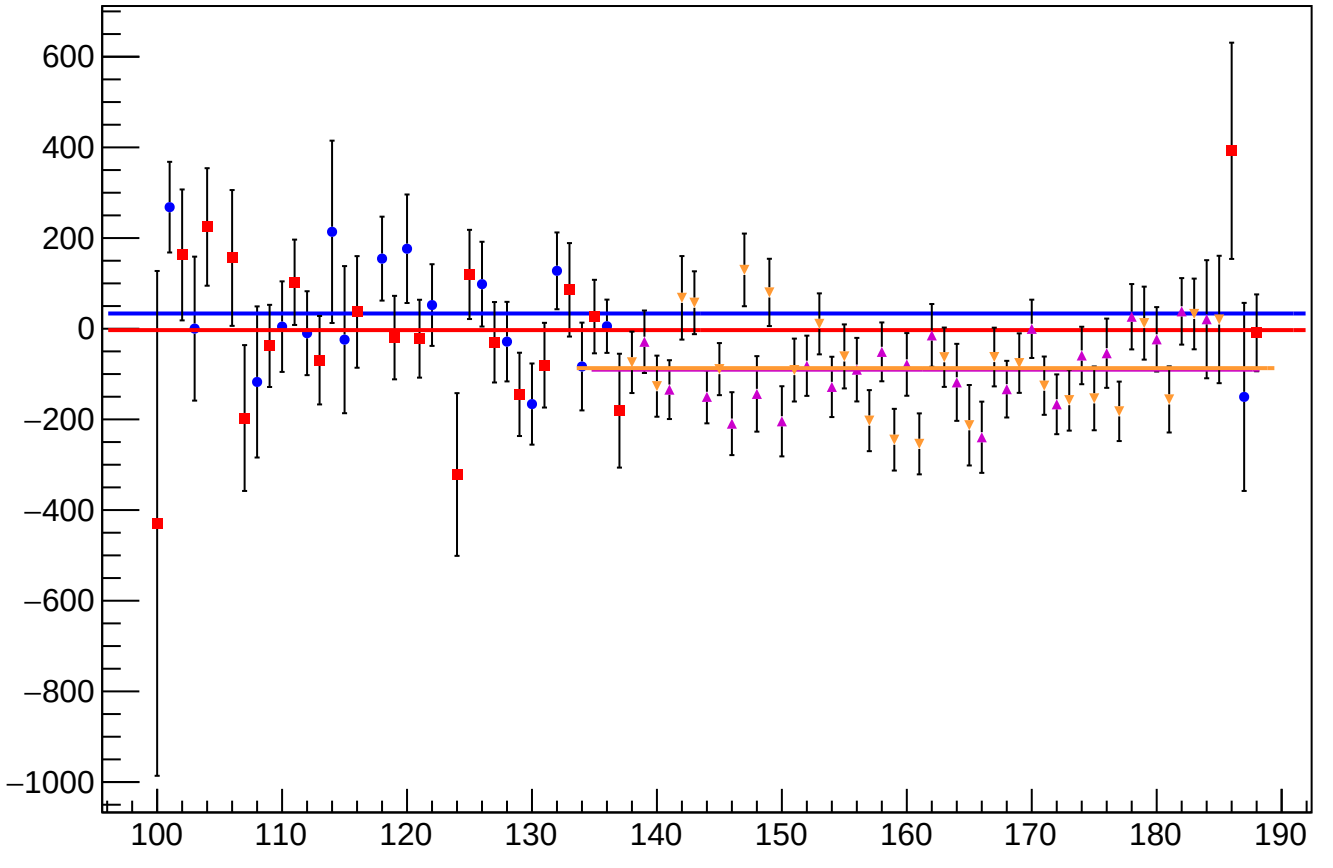
Left: 336.112+/-0.039 χ^2/NDF: 948074.8/47

Right: 486.467+/-0.090 χ^2/NDF: 3005094.6/37

In: 358.020+/-0.051 χ^2/NDF:2500373.9/39

Out: 361.826+/-0.050 χ^2/NDF:3803430.9/45

All: 359.969+/-0.036 χ^2/NDF: 6306627.1/85



Right In: 33.595+/-24.303 χ^2/NDF: 20.4/16

Left Out: -86.957+/-14.175 χ^2/NDF:48.8/24

Right Out: -3.045+/-23.480 χ^2/NDF: 23.1/20

Left In: -90.363+/-14.656 χ^2/NDF:25.0/22

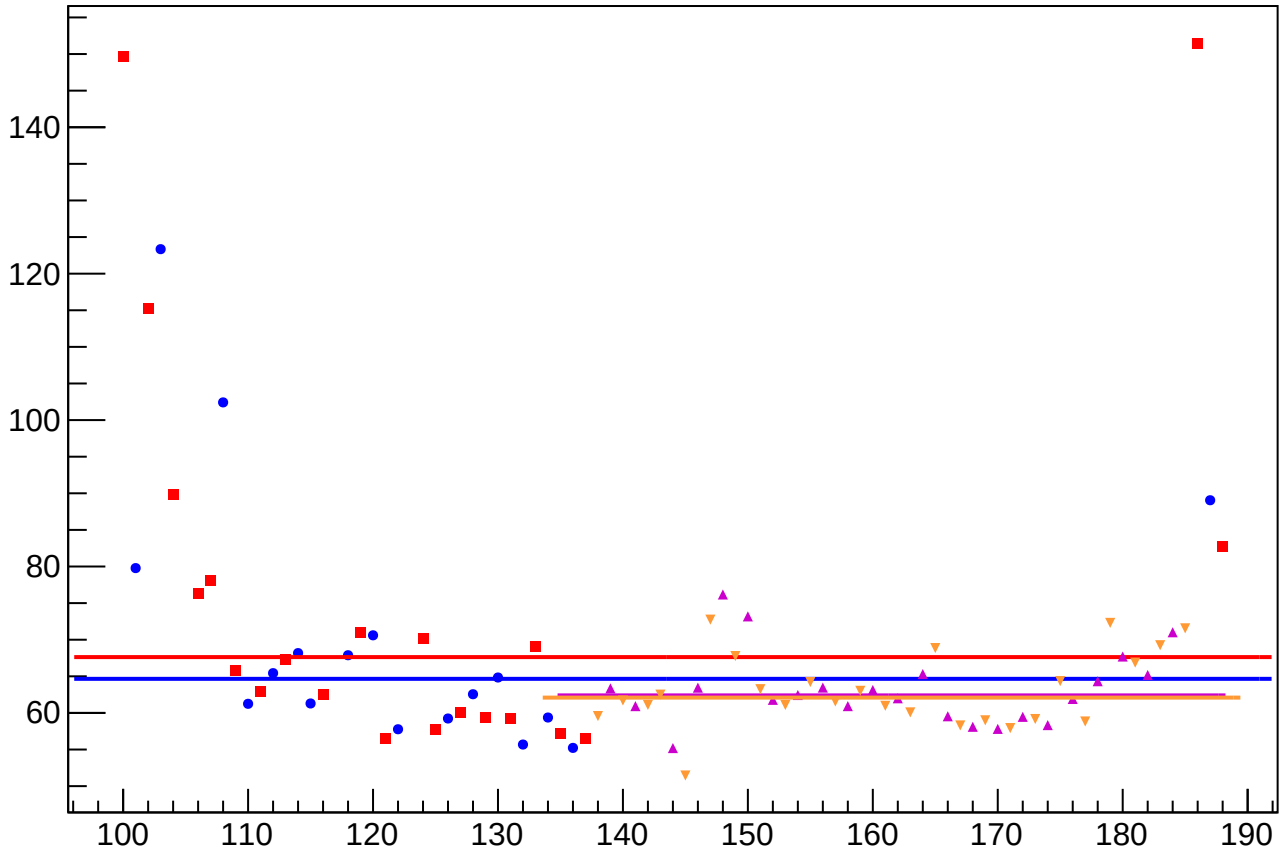
Left: -88.603+/-10.189 χ^2/NDF: 73.9/47

Right: 14.645+/-16.886 χ^2/NDF: 44.7/37

In: -57.303+/-12.551 χ^2/NDF:64.6/39

Out: -64.544+/-12.135 χ^2/NDF:81.3/45

All: -61.046+/-8.724 χ^2/NDF: 146.0/85



Right In: 64.656+/-0.017 χ^2/NDF: 560117.8/16

Left Out: 62.093+/-0.010 χ^2/NDF:233343.0/24

Right Out: 67.626+/-0.017 χ^2/NDF: 808307.8/20

Left In: 62.395+/-0.010 χ^2/NDF:188814.3/22

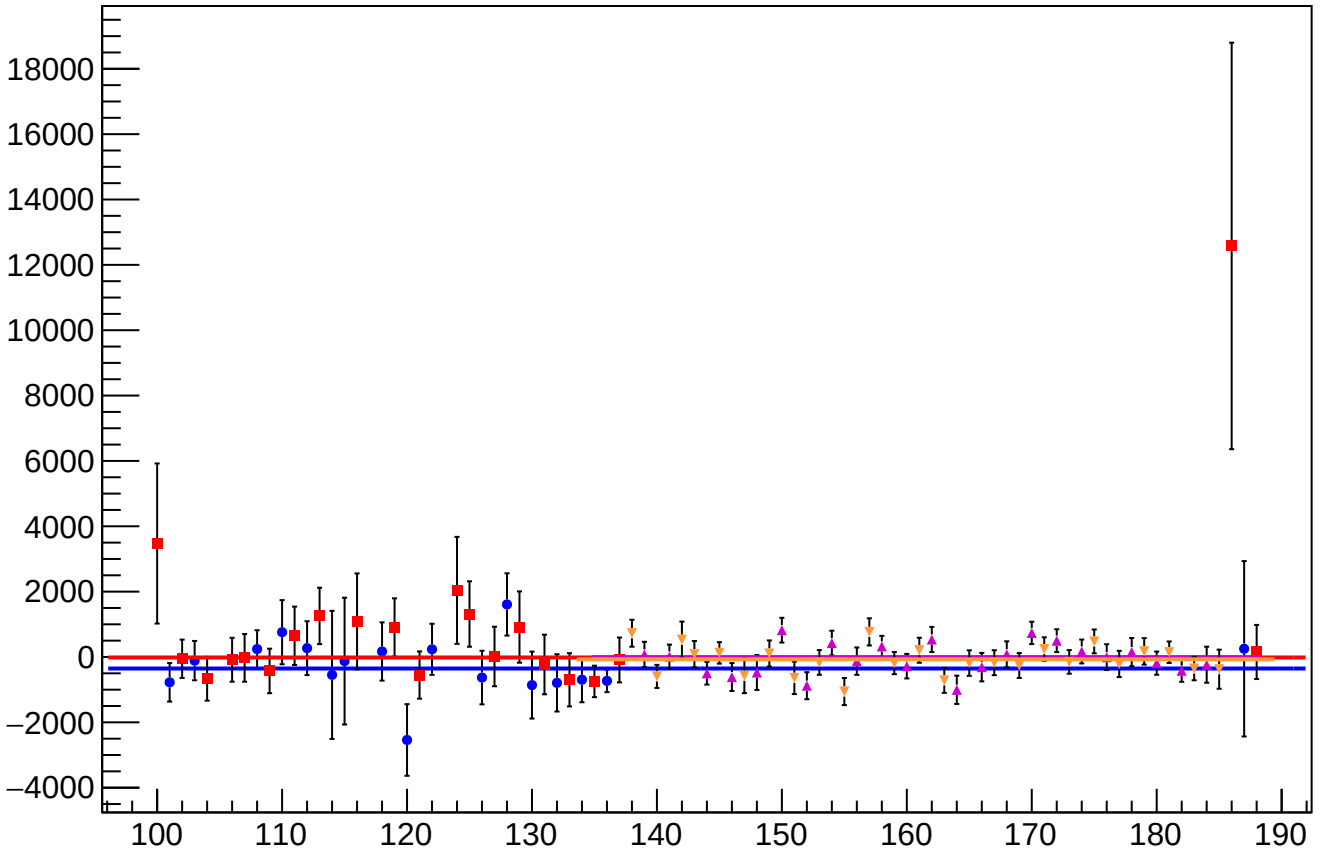
Left: 62.239+/-0.007 χ^2/NDF: 422596.0/47

Right: 66.192+/-0.012 χ^2/NDF: 1383880.0/37

In: 62.998+/-0.009 χ^2/NDF:761623.3/39

Out: 63.571+/-0.009 χ^2/NDF:1123052.7/45

All: 63.294+/-0.006 χ^2/NDF: 1886830.7/85



Right In: -352.803+/-179.929 χ^2/NDF: 14.8/16

Left Out: -71.324+/-78.399 χ^2/NDF:28.6/24

Right Out: -14.966+/-177.276 χ^2/NDF: 19.6/20

Left In: -6.134+/-80.760 χ^2/NDF:34.0/22

Left: -39.696+/-56.253 χ^2/NDF: 62.9/47

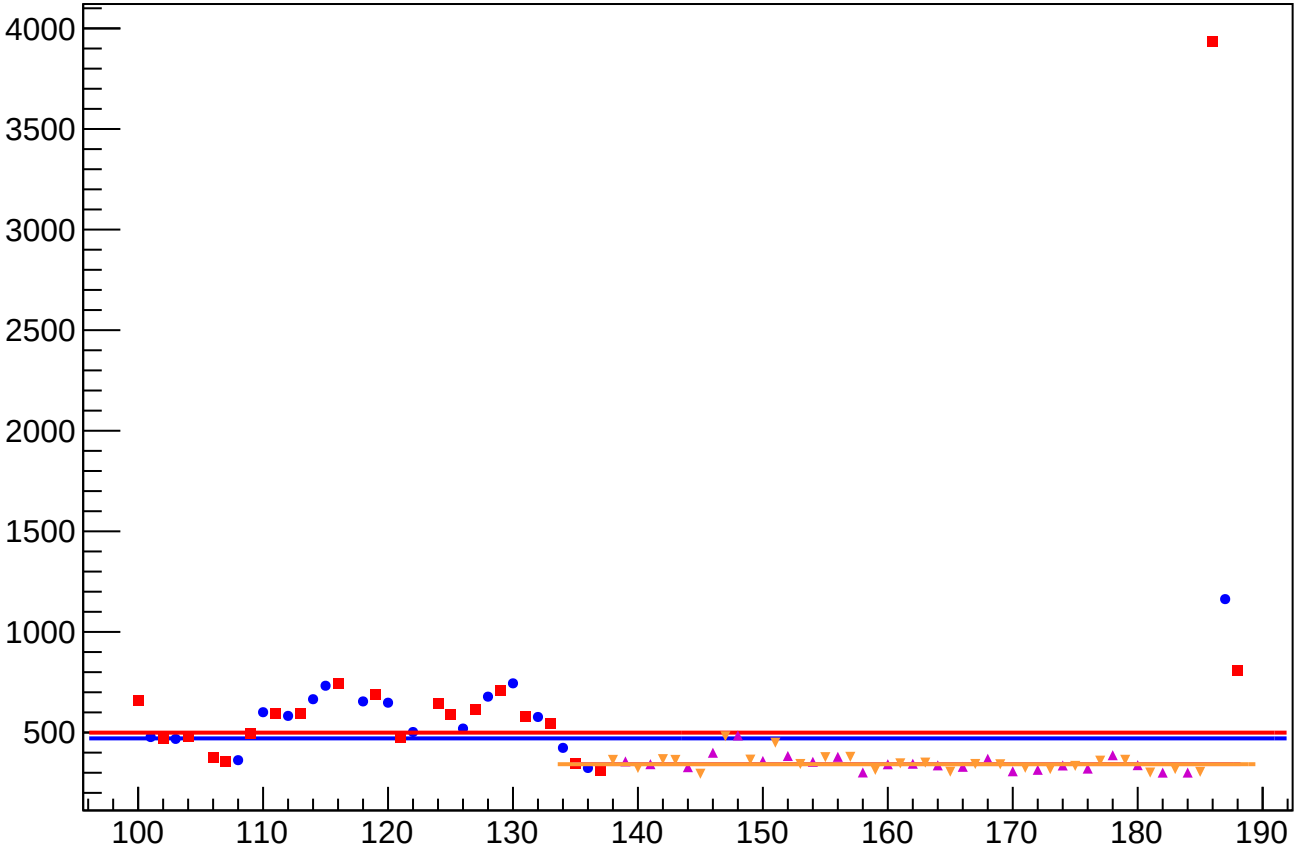
Right: -181.376+/-126.281 χ^2/NDF: 36.2/37

In: -64.263+/-73.679 χ^2/NDF:51.9/39

Out: -62.105+/-71.701 χ^2/NDF:48.2/45

All: -63.155+/-51.385 χ^2/NDF: 100.2/85

asym_sam_13_57_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 470.799+/-0.127 χ^2/NDF: 1119595.5/16

Left Out: 342.502+/-0.055 χ^2/NDF:434208.3/24

Right Out: 499.383+/-0.125 χ^2/NDF: 1762062.6/20

Left In: 343.245+/-0.057 χ^2/NDF:372991.6/22

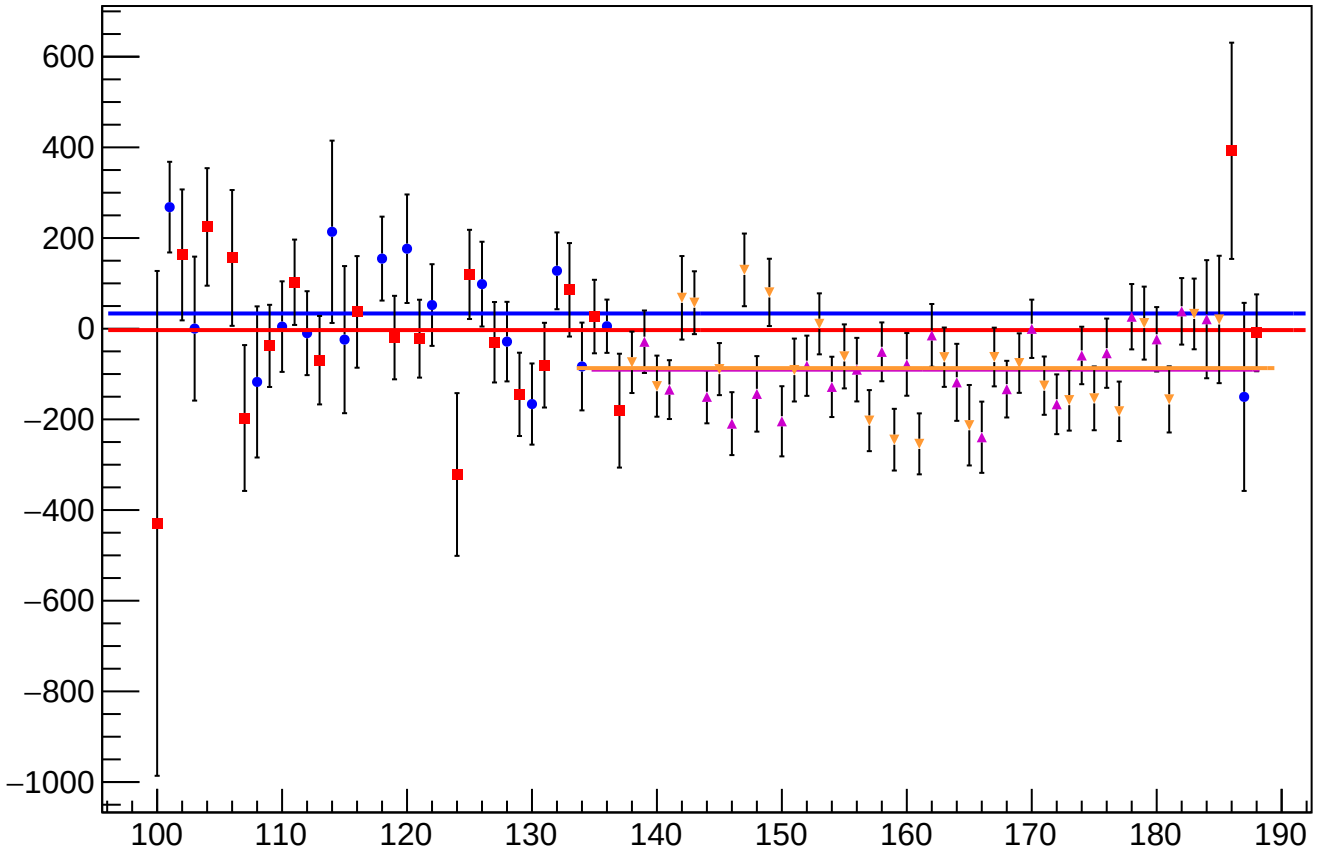
Left: 342.863+/-0.040 χ^2/NDF: 807286.9/47

Right: 485.304+/-0.089 χ^2/NDF: 2907270.3/37

In: 364.633+/-0.052 χ^2/NDF:2329172.7/39

Out: 368.166+/-0.051 χ^2/NDF:3506332.0/45

All: 366.448+/-0.036 χ^2/NDF: 5837866.3/85



Right In: 33.596+/-24.303 χ^2/NDF: 20.4/16

Left Out: -86.957+/-14.175 χ^2/NDF:48.8/24

Right Out: -3.045+/-23.480 χ^2/NDF: 23.1/20

Left In: -90.363+/-14.656 χ^2/NDF:25.0/22

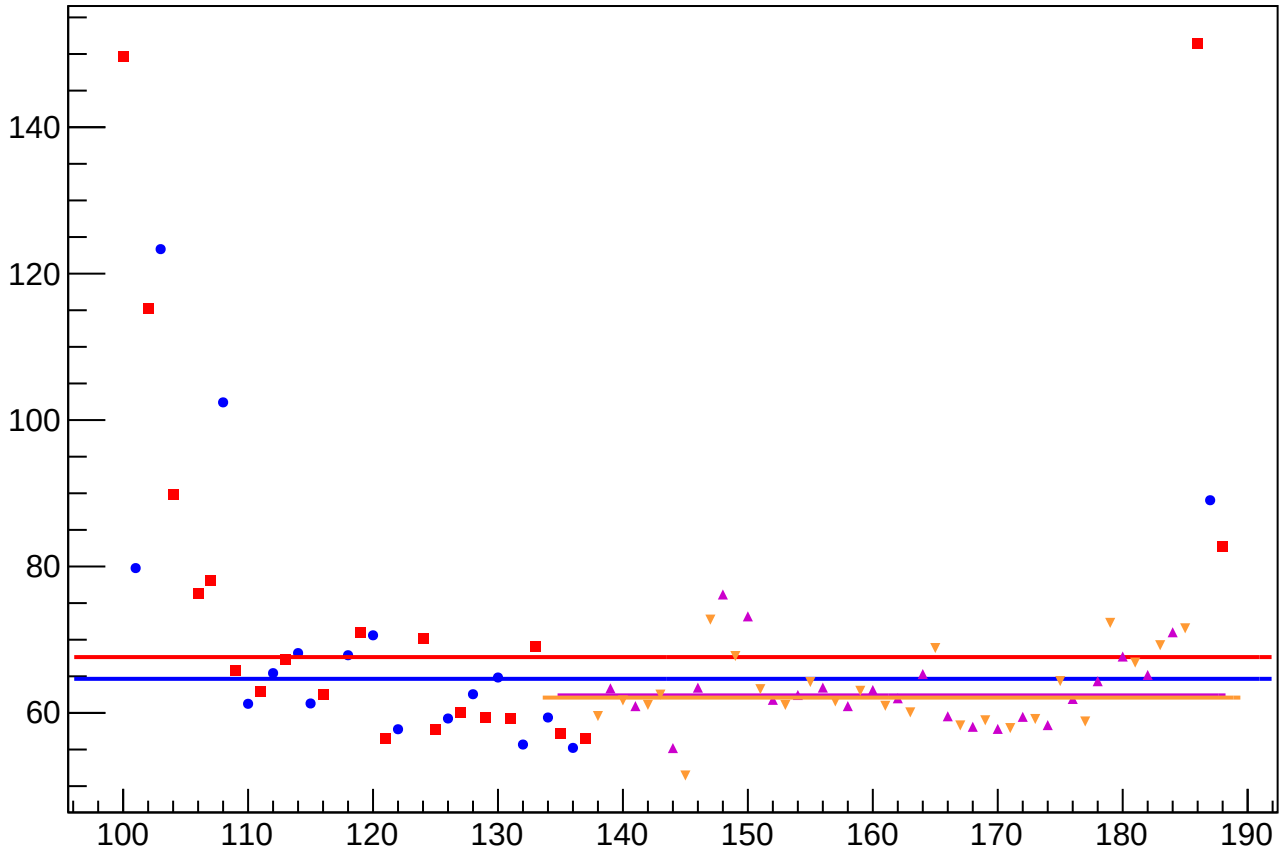
Left: -88.603+/-10.189 χ^2/NDF: 73.9/47

Right: 14.645+/-16.886 χ^2/NDF: 44.7/37

In: -57.303+/-12.551 χ^2/NDF:64.6/39

Out: -64.544+/-12.135 χ^2/NDF:81.3/45

All: -61.045+/-8.724 χ^2/NDF: 146.0/85



Right In: 64.656+/-0.017 χ^2/NDF: 560126.9/16

Left Out: 62.093+/-0.010 χ^2/NDF:233347.2/24

Right Out: 67.626+/-0.017 χ^2/NDF: 808307.7/20

Left In: 62.395+/-0.010 χ^2/NDF:188817.4/22

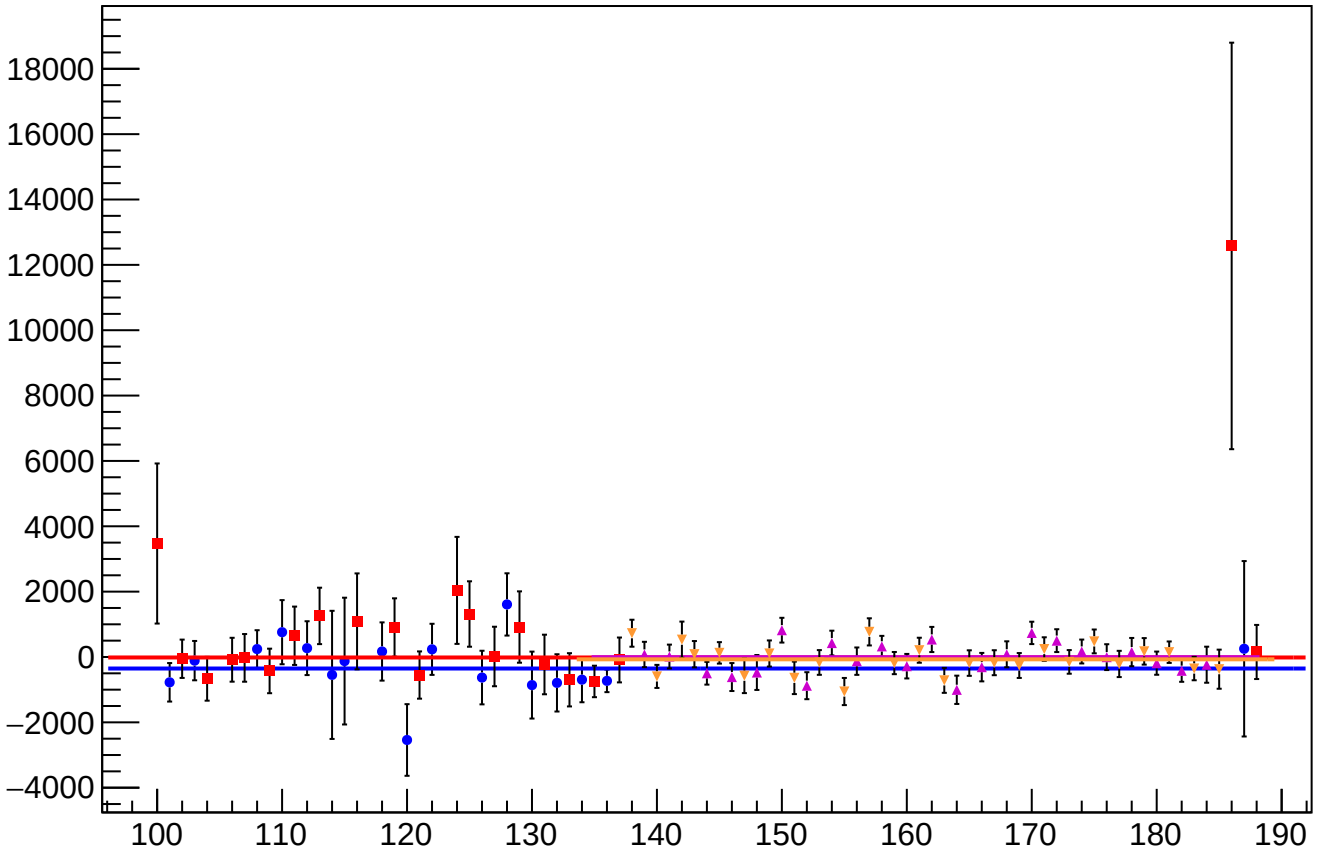
Left: 62.239+/-0.007 χ^2/NDF: 422603.3/47

Right: 66.192+/-0.012 χ^2/NDF: 1383889.5/37

In: 62.998+/-0.009 χ^2/NDF:761634.0/39

Out: 63.571+/-0.009 χ^2/NDF:1123054.8/45

All: 63.294+/-0.006 χ^2/NDF: 1886843.4/85



Right In: -352.802+/-179.929 χ^2/NDF: 14.8/16

Left Out: -71.324+/-78.399 χ^2/NDF:28.6/24

Right Out: -14.967+/-177.276 χ^2/NDF: 19.6/20

Left In: -6.134+/-80.760 χ^2/NDF:34.0/22

Left: -39.696+/-56.253 χ^2/NDF: 62.9/47

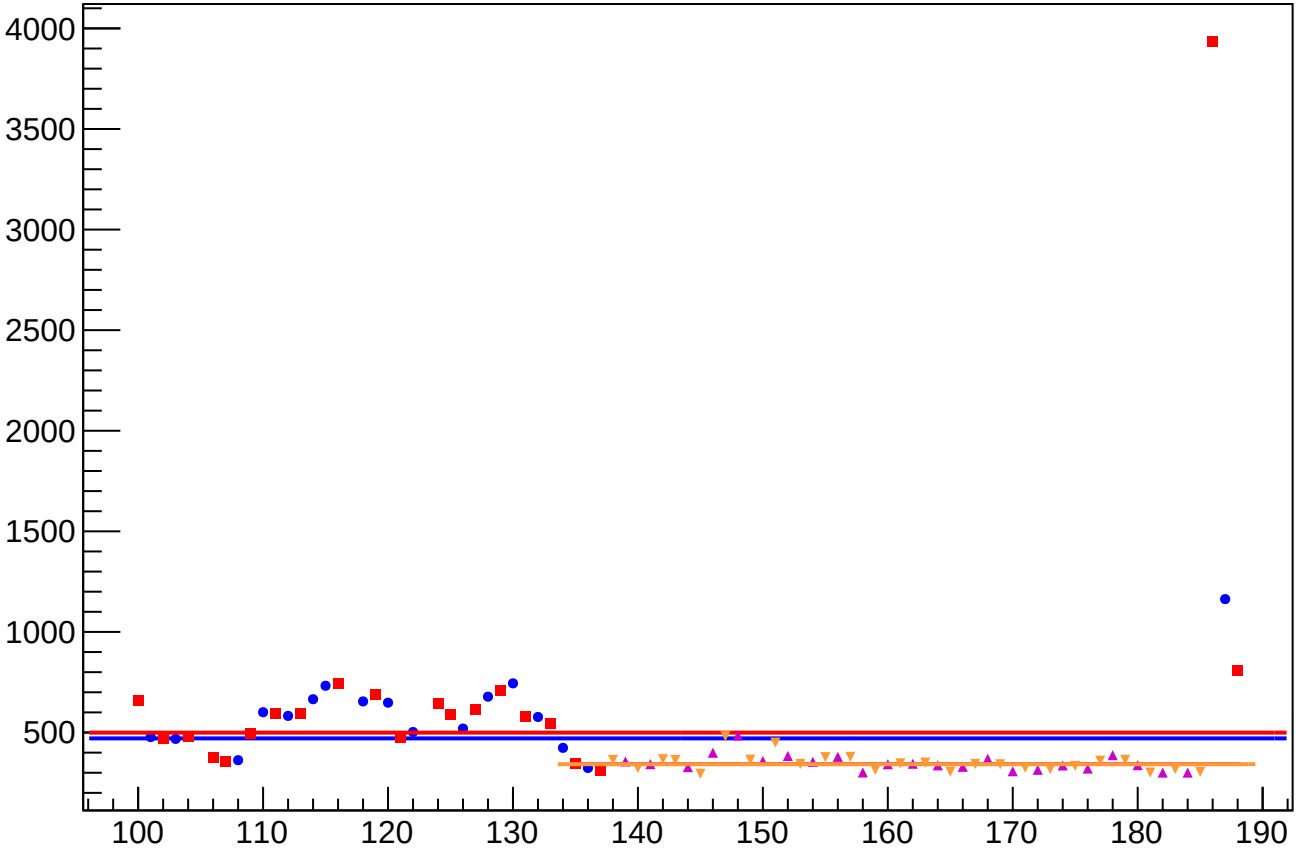
Right: -181.376+/-126.280 χ^2/NDF: 36.2/37

In: -64.264+/-73.679 χ^2/NDF:51.9/39

Out: -62.105+/-71.701 χ^2/NDF:48.2/45

All: -63.155+/-51.385 χ^2/NDF: 100.2/85

asym_sam_13_57_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 470.799+/-0.127 χ^2/NDF: 1119597.2/16

Left Out: 342.502+/-0.055 χ^2/NDF:434210.5/24

Right Out: 499.383+/-0.125 χ^2/NDF: 1762062.4/20

Left In: 343.245+/-0.057 χ^2/NDF:372993.5/22

Left: 342.863+/-0.040 χ^2/NDF: 807291.0/47

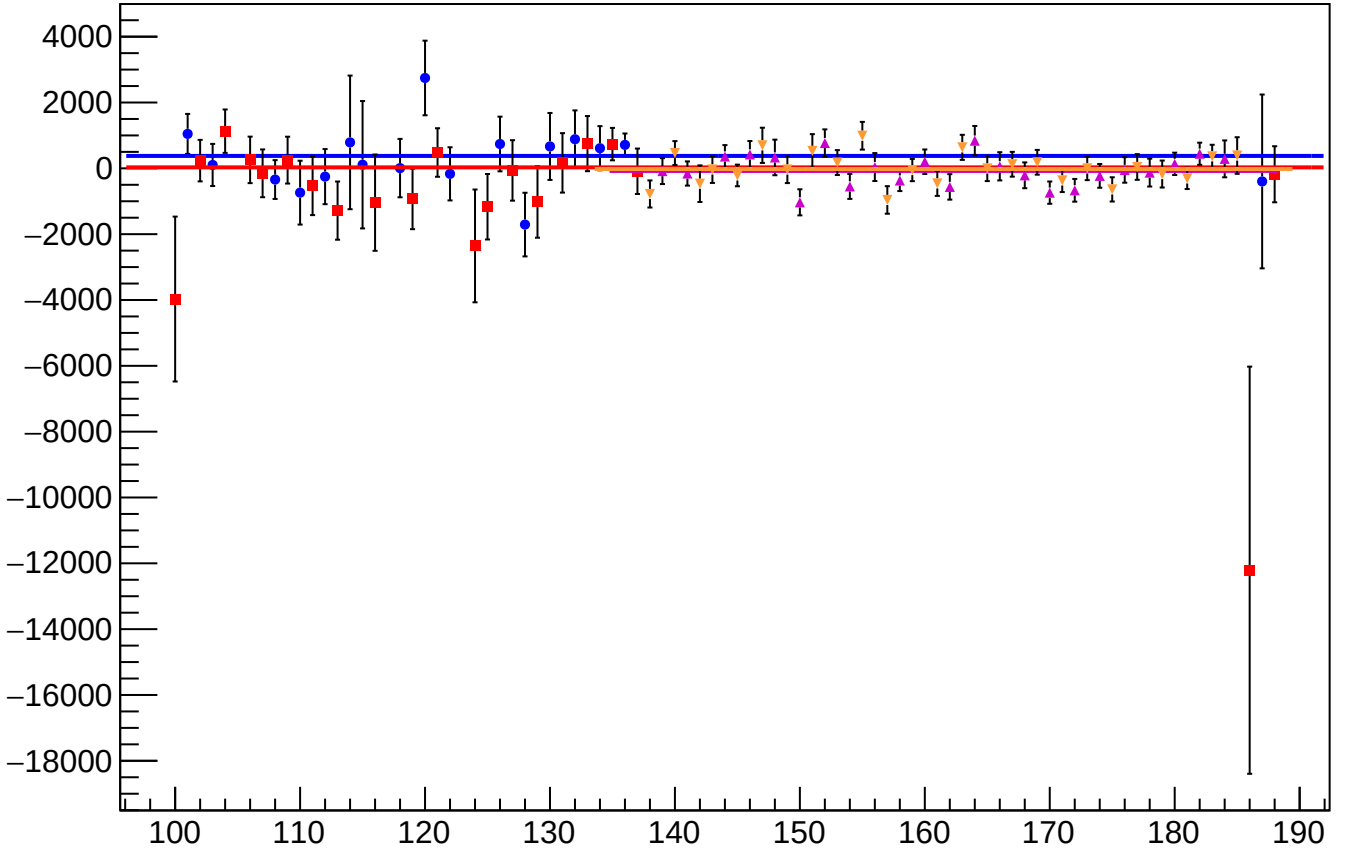
Right: 485.303+/-0.089 χ^2/NDF: 2907271.7/37

In: 364.633+/-0.052 χ^2/NDF:2329168.5/39

Out: 368.166+/-0.051 χ^2/NDF:3506324.0/45

All: 366.448+/-0.036 χ^2/NDF: 5837854.0/85

asym_sam_13_57_dd_mean vs Slug, Sign Corrected



Right In: 377.375+/-182.220 χ^2/NDF: 16.2/16

Left Out: -20.272+/-78.196 χ^2/NDF:31.4/24

Right Out: 29.486+/-180.949 χ^2/NDF: 21.5/20

Left In: -78.719+/-80.410 χ^2/NDF:32.9/22

Left: -48.680+/-56.059 χ^2/NDF: 64.6/47

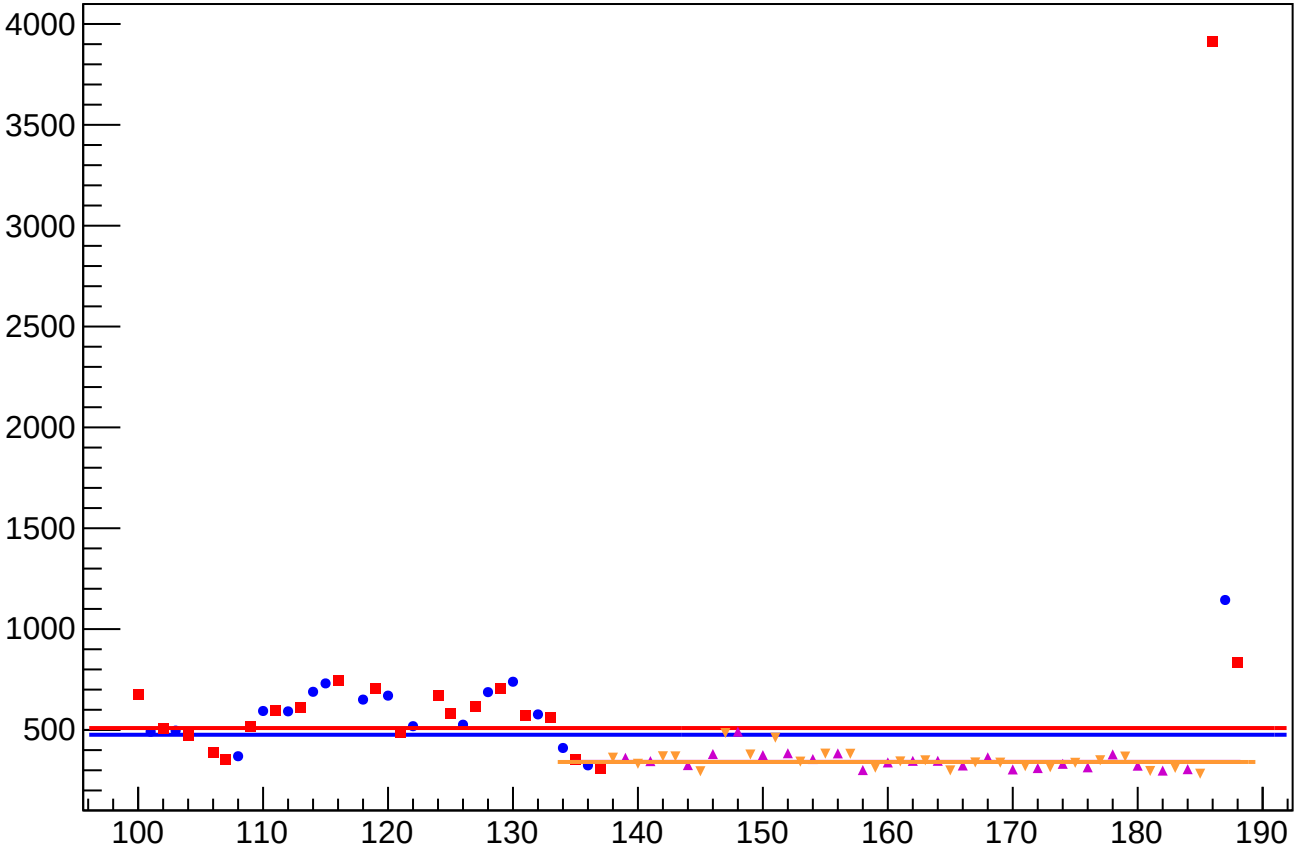
Right: 202.213+/-128.397 χ^2/NDF: 39.5/37

In: -4.381+/-73.566 χ^2/NDF:54.4/39

Out: -12.442+/-71.781 χ^2/NDF:53.0/45

All: -8.510+/-51.376 χ^2/NDF: 107.4/85

asym_sam_13_57_dd_rms vs Slug, Sign Corrected



Right In: 476.122+/-0.129 χ^2/NDF: 1128961.5/16

Left Out: 341.199+/-0.055 χ^2/NDF:510854.5/24

Right Out: 509.386+/-0.128 χ^2/NDF: 1759698.1/20

Left In: 341.622+/-0.057 χ^2/NDF:396885.0/22

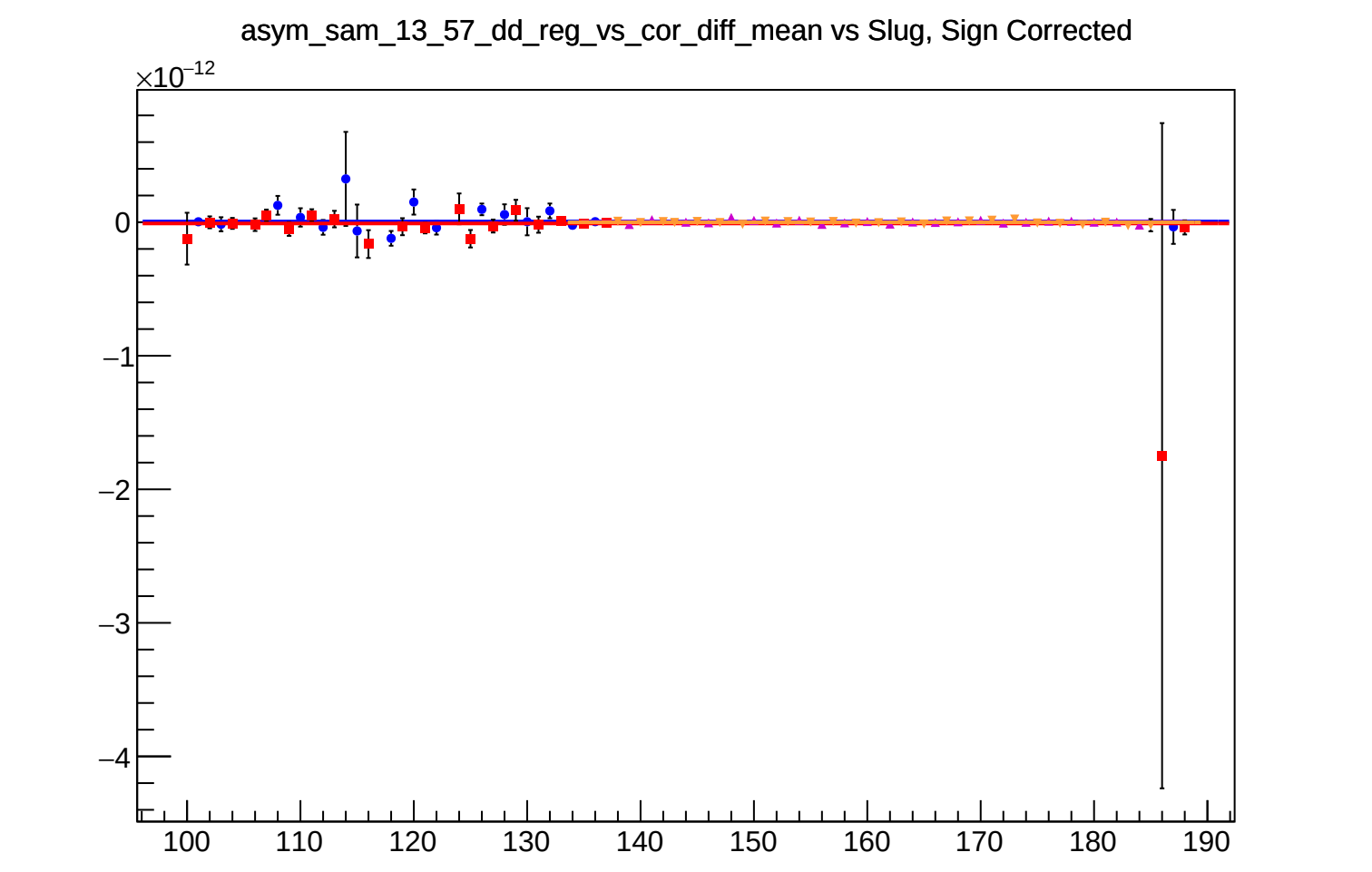
Left: 341.405+/-0.040 χ^2/NDF: 907768.0/47

Right: 492.871+/-0.091 χ^2/NDF: 2922218.0/37

In: 363.544+/-0.052 χ^2/NDF:2437880.5/39

Out: 367.665+/-0.051 χ^2/NDF:3726504.8/45

All: 365.656+/-0.036 χ^2/NDF: 6167600.3/85



Right In: 0.000+/-0.000 χ^2/NDF: 21.2/16

Left Out: -0.000+/-0.000 χ^2/NDF:19.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 14.8/20

Left In: 0.000+/-0.000 χ^2/NDF:14.4/22

Left: 0.000+/-0.000 χ^2/NDF: 34.2/47

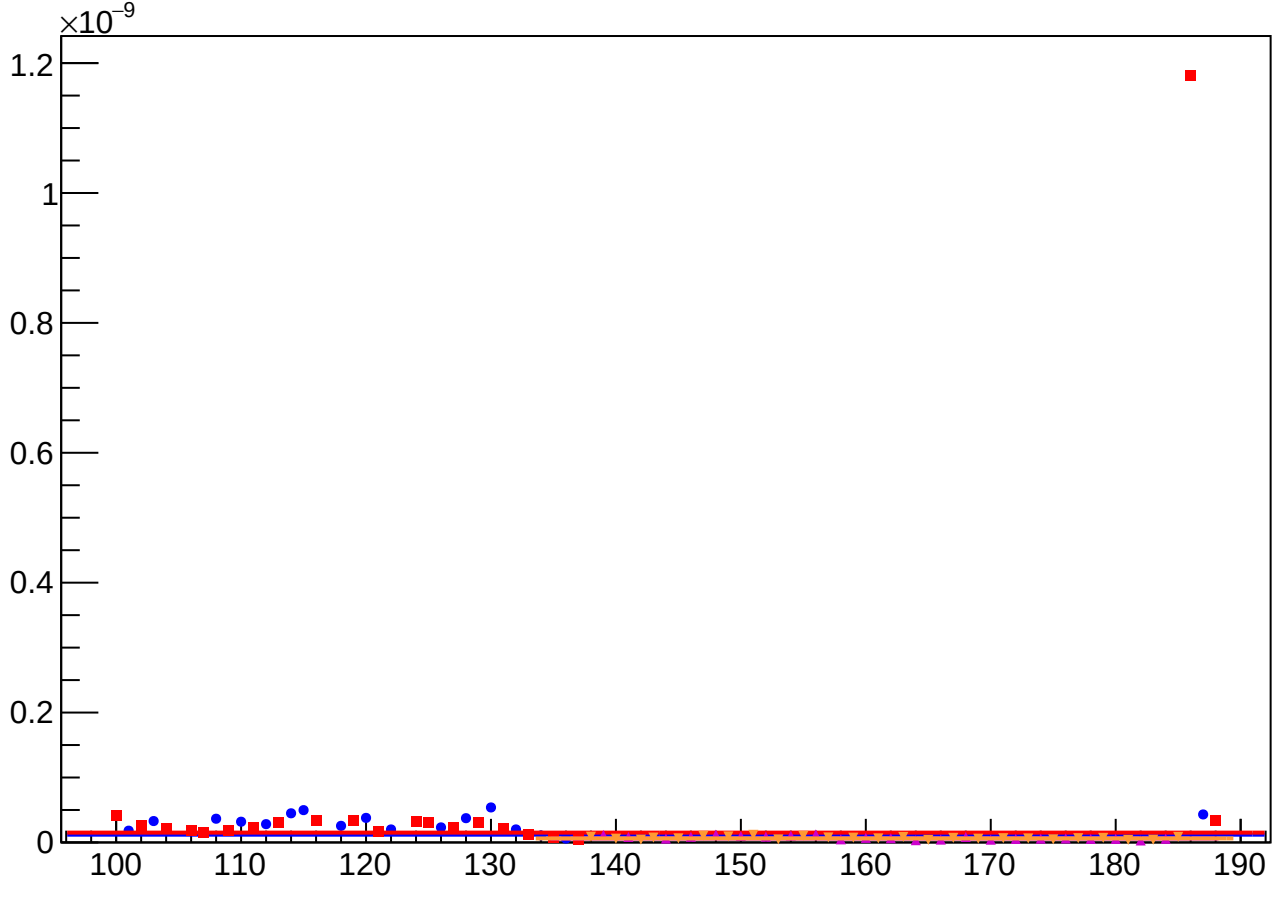
Right: -0.000+/-0.000 χ^2/NDF: 37.5/37

In: 0.000+/-0.000 χ^2/NDF:35.7/39

Out: -0.000+/-0.000 χ^2/NDF:34.8/45

All: 0.000+/-0.000 χ^2/NDF: 71.7/85

asym_sam_13_57_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2968847.8/16

Left Out: 0.000+/-0.000 χ^2/NDF:1159883.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2471650.0/20

Left In: 0.000+/-0.000 χ^2/NDF:1660677.6/22

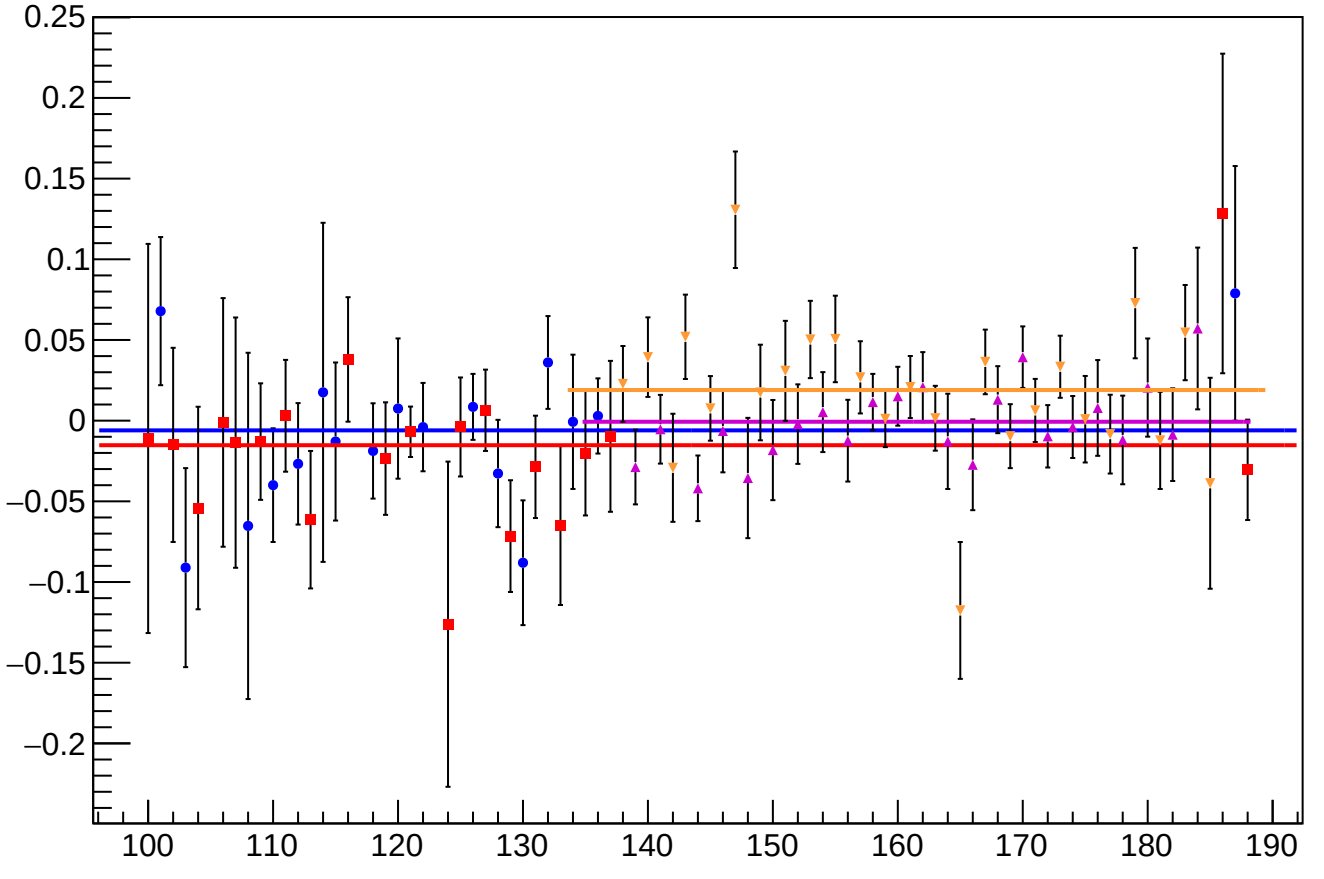
Left: 0.000+/-0.000 χ^2/NDF: 2824480.5/47

Right: 0.000+/-0.000 χ^2/NDF: 5574308.0/37

In: 0.000+/-0.000 χ^2/NDF:5620617.2/39

Out: 0.000+/-0.000 χ^2/NDF:5426424.4/45

All: 0.000+/-0.000 χ^2/NDF: 11055701.1/85



Right In: -0.006+/-0.009 χ^2/NDF: 15.5/16

Left Out: 0.019+/-0.005 χ^2/NDF:41.2/24

Right Out: -0.015+/-0.008 χ^2/NDF: 12.4/20

Left In: -0.001+/-0.005 χ^2/NDF:17.7/22

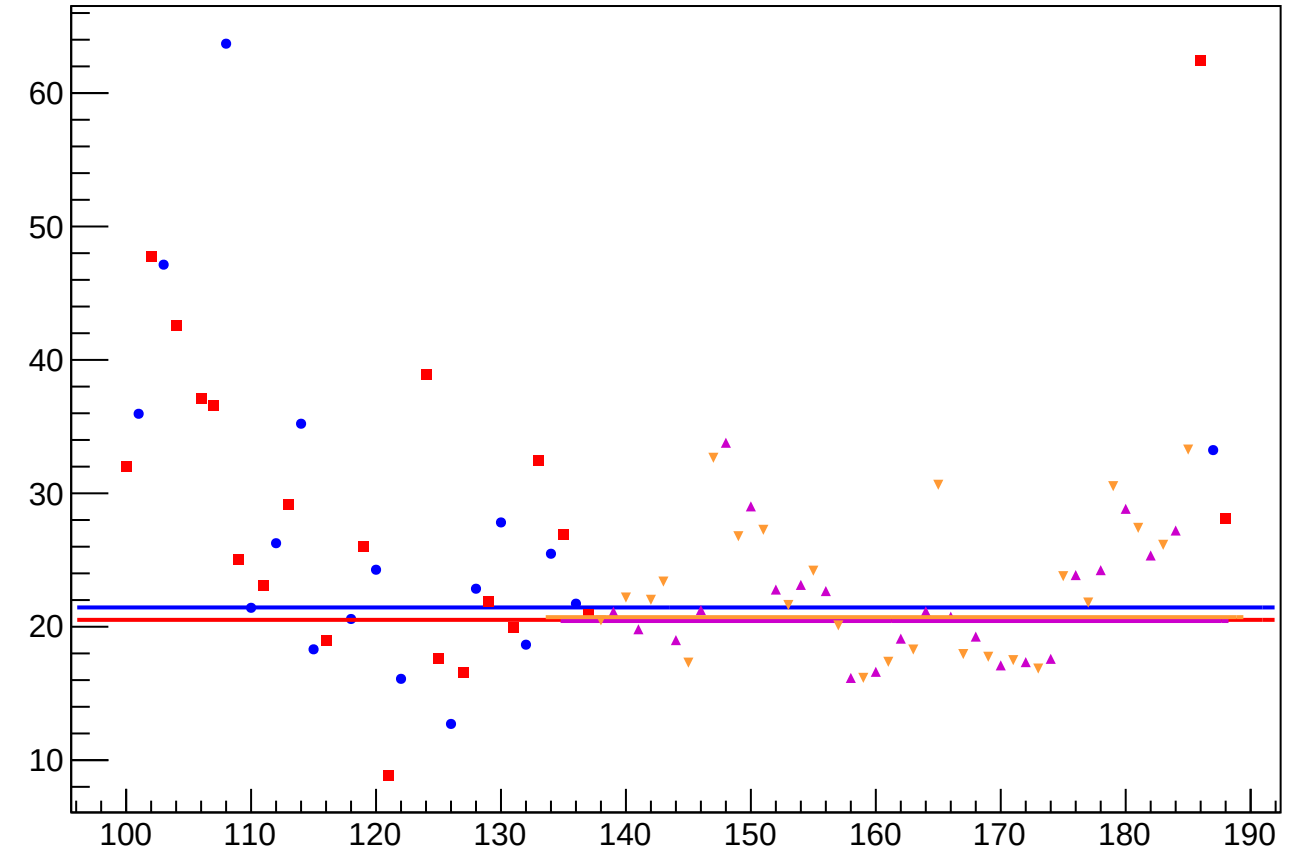
Left: 0.009+/-0.003 χ^2/NDF: 66.9/47

Right: -0.011+/-0.006 χ^2/NDF: 28.6/37

In: -0.002+/-0.004 χ^2/NDF:33.5/39

Out: 0.010+/-0.004 χ^2/NDF:67.1/45

All: 0.004+/-0.003 χ^2/NDF: 104.4/85



Right In: 21.446+/-0.006 χ^2/NDF: 1524618.2/16

Left Out: 20.718+/-0.003 χ^2/NDF:1506374.1/24

Right Out: 20.516+/-0.006 χ^2/NDF: 2935759.4/20

Left In: 20.429+/-0.003 χ^2/NDF:1173949.1/22

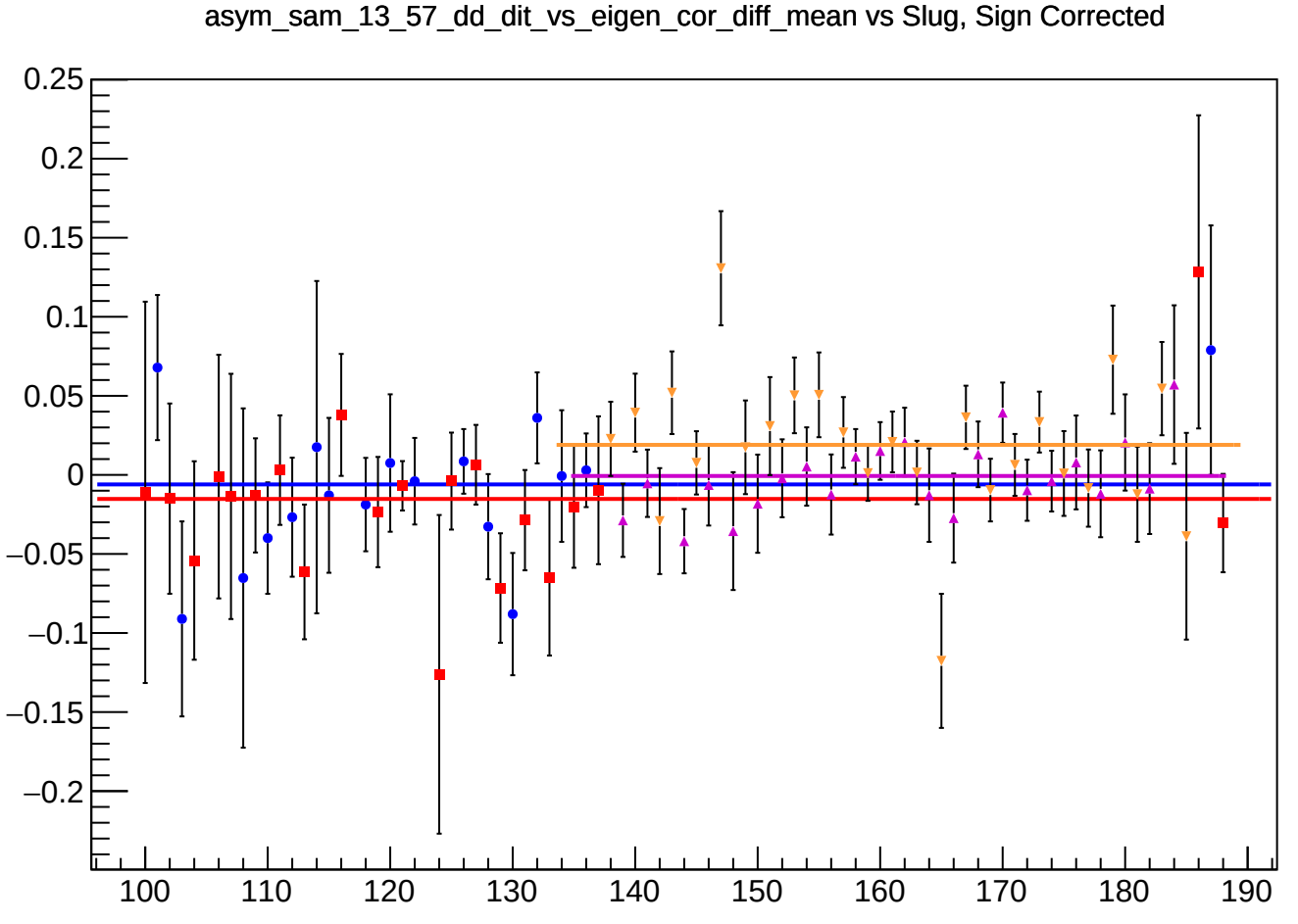
Left: 20.575+/-0.002 χ^2/NDF: 2683801.2/47

Right: 20.945+/-0.004 χ^2/NDF: 4473074.2/37

In: 20.682+/-0.003 χ^2/NDF:2719723.1/39

Out: 20.663+/-0.003 χ^2/NDF:4443076.7/45

All: 20.672+/-0.002 χ^2/NDF: 7162821.3/85



Right In: -0.006+/-0.009 χ^2/NDF: 15.5/16

Left Out: 0.019+/-0.005 χ^2/NDF:41.2/24

Right Out: -0.015+/-0.008 χ^2/NDF: 12.4/20

Left In: -0.001+/-0.005 χ^2/NDF:17.7/22

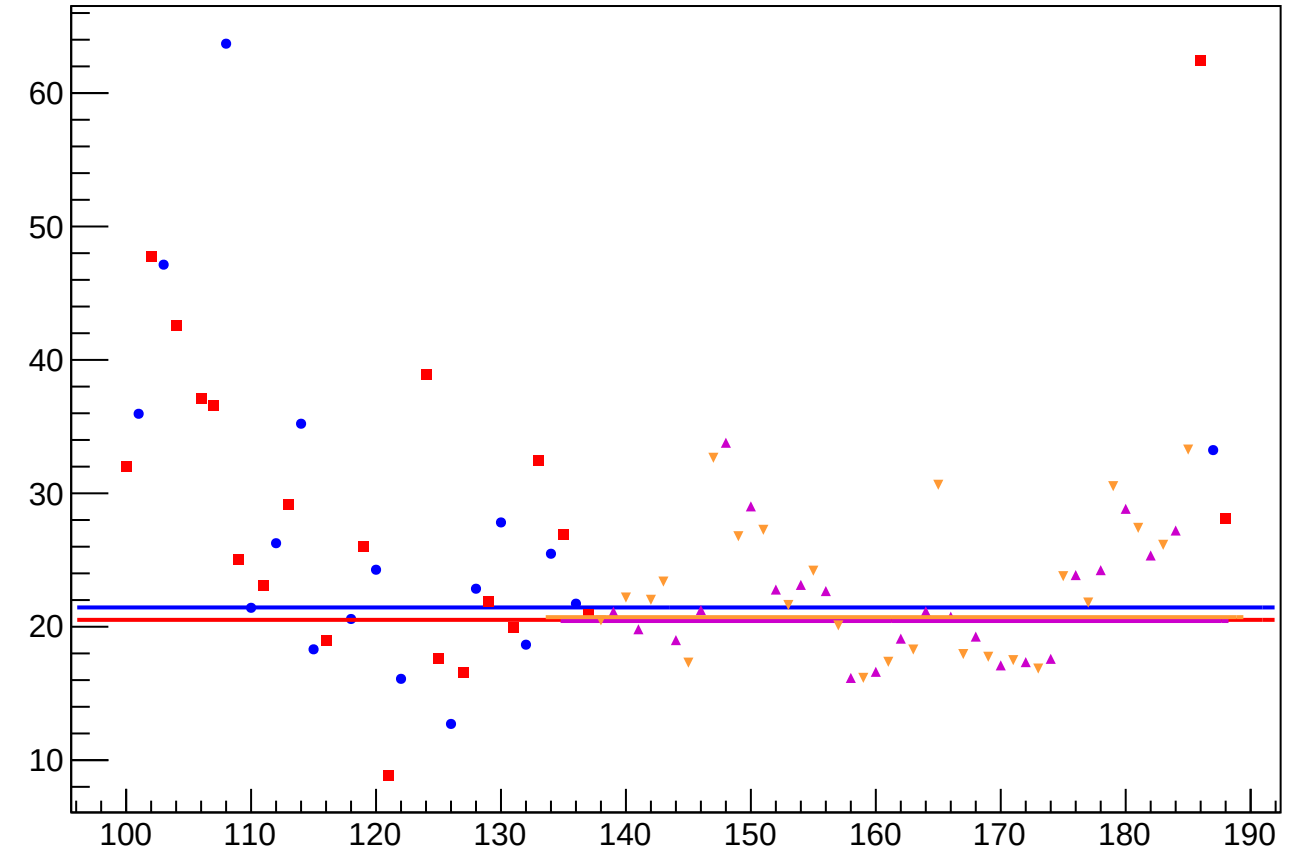
Left: 0.009+/-0.003 χ^2/NDF: 66.9/47

Right: -0.011+/-0.006 χ^2/NDF: 28.6/37

In: -0.002+/-0.004 χ^2/NDF:33.5/39

Out: 0.010+/-0.004 χ^2/NDF:67.1/45

All: 0.004+/-0.003 χ^2/NDF: 104.4/85



Right In: 21.446+/-0.006 χ^2/NDF: 1524618.2/16

Left Out: 20.718+/-0.003 χ^2/NDF:1506374.1/24

Right Out: 20.516+/-0.006 χ^2/NDF: 2935759.4/20

Left In: 20.429+/-0.003 χ^2/NDF:1173949.1/22

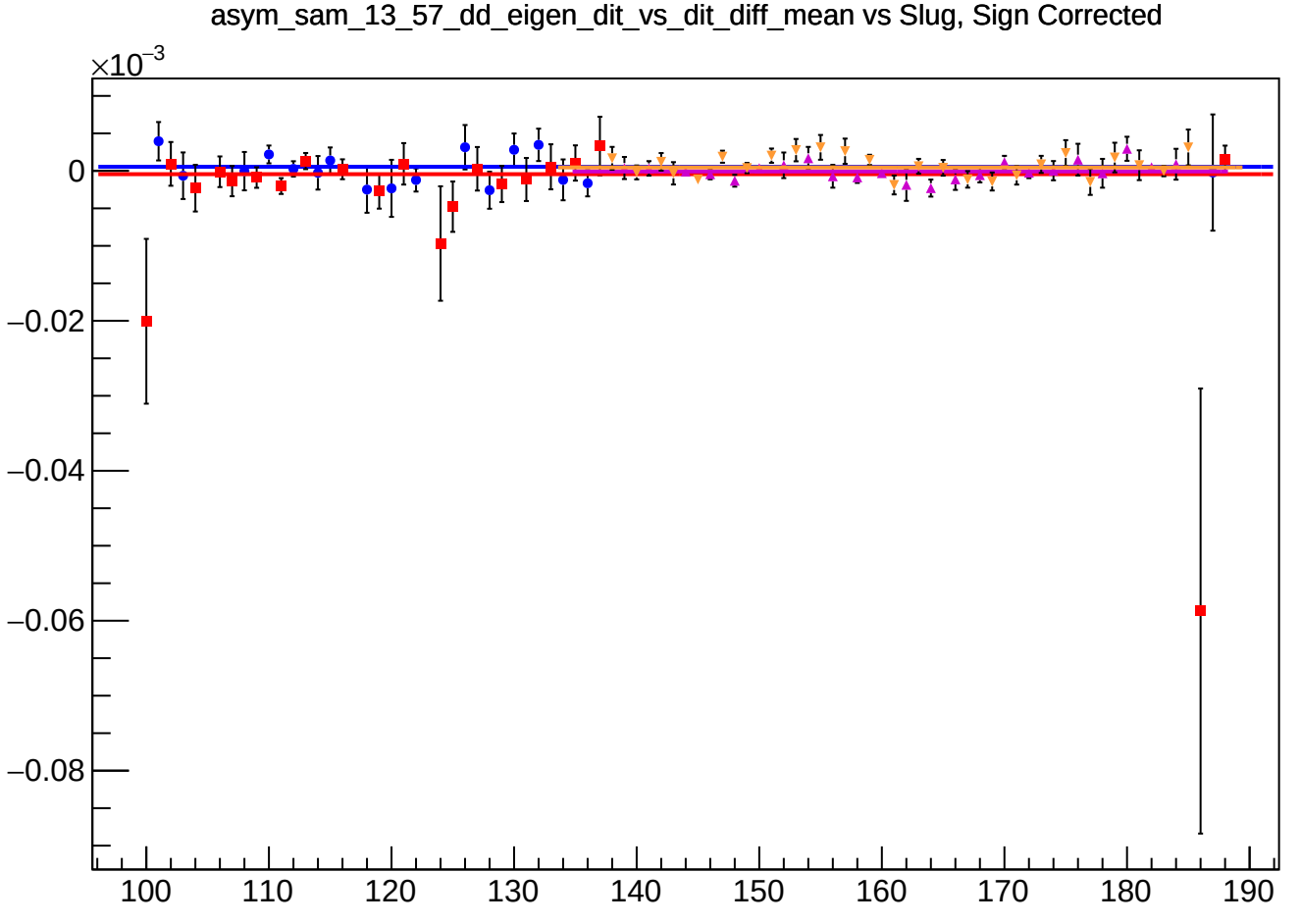
Left: 20.575+/-0.002 χ^2/NDF: 2683801.2/47

Right: 20.945+/-0.004 χ^2/NDF: 4473074.2/37

In: 20.682+/-0.003 χ^2/NDF:2719723.1/39

Out: 20.663+/-0.003 χ^2/NDF:4443076.7/45

All: 20.672+/-0.002 χ^2/NDF: 7162821.3/85



Right In: 0.000+/-0.000 χ^2/NDF: 14.5/16

Left Out: 0.000+/-0.000 χ^2/NDF:36.7/24

Right Out: -0.000+/-0.000 χ^2/NDF: 20.4/20

Left In: -0.000+/-0.000 χ^2/NDF:19.5/22

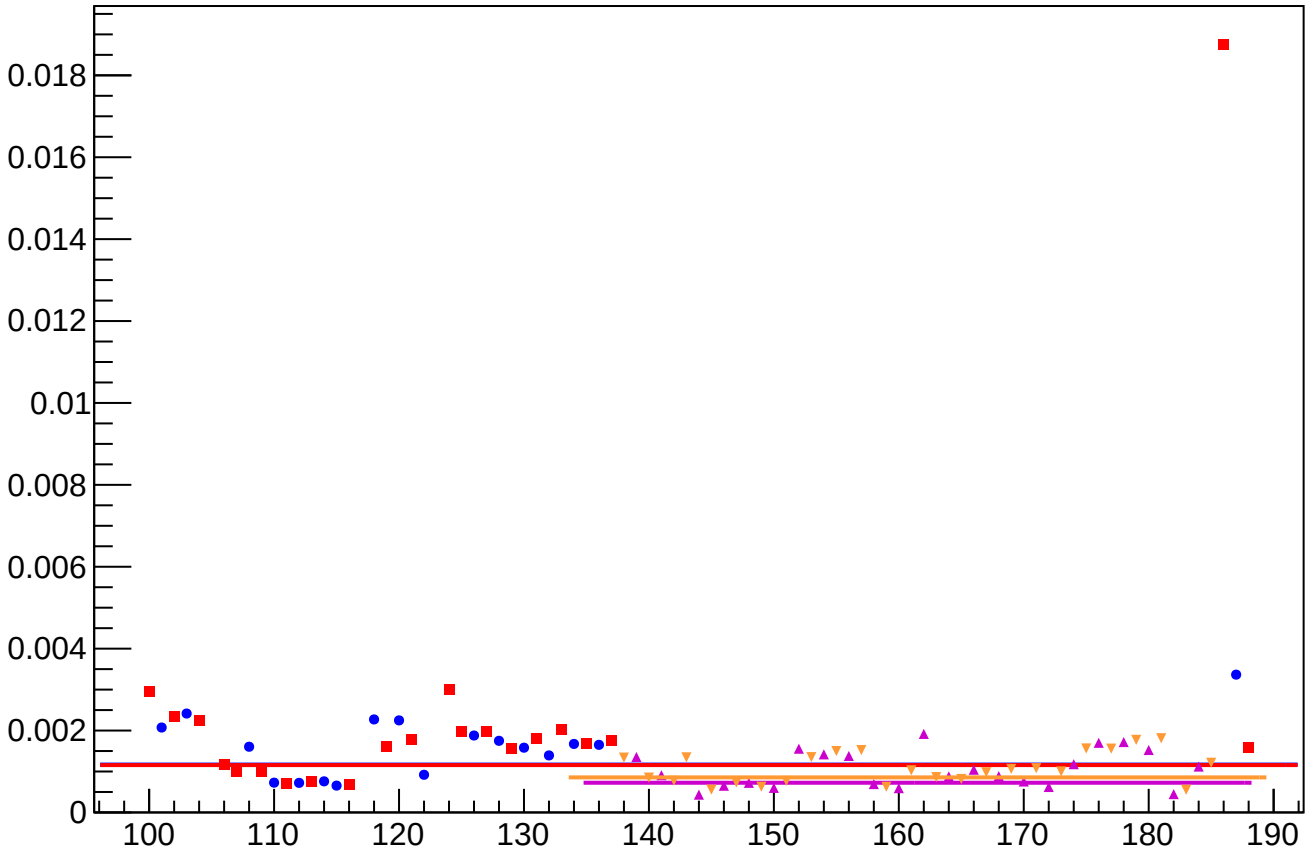
Left: 0.000+/-0.000 χ^2/NDF: 59.9/47

Right: 0.000+/-0.000 χ^2/NDF: 37.1/37

In: 0.000+/-0.000 χ^2/NDF:35.5/39

Out: 0.000+/-0.000 χ^2/NDF:60.5/45

All: 0.000+/-0.000 χ^2/NDF: 97.2/85



Right In: 0.001+/-0.000 χ^2/NDF: 2695843.9/16

Left Out: 0.001+/-0.000 χ^2/NDF:4439075.2/24

Right Out: 0.001+/-0.000 χ^2/NDF: 3446475.1/20

Left In: 0.001+/-0.000 χ^2/NDF:5805288.5/22

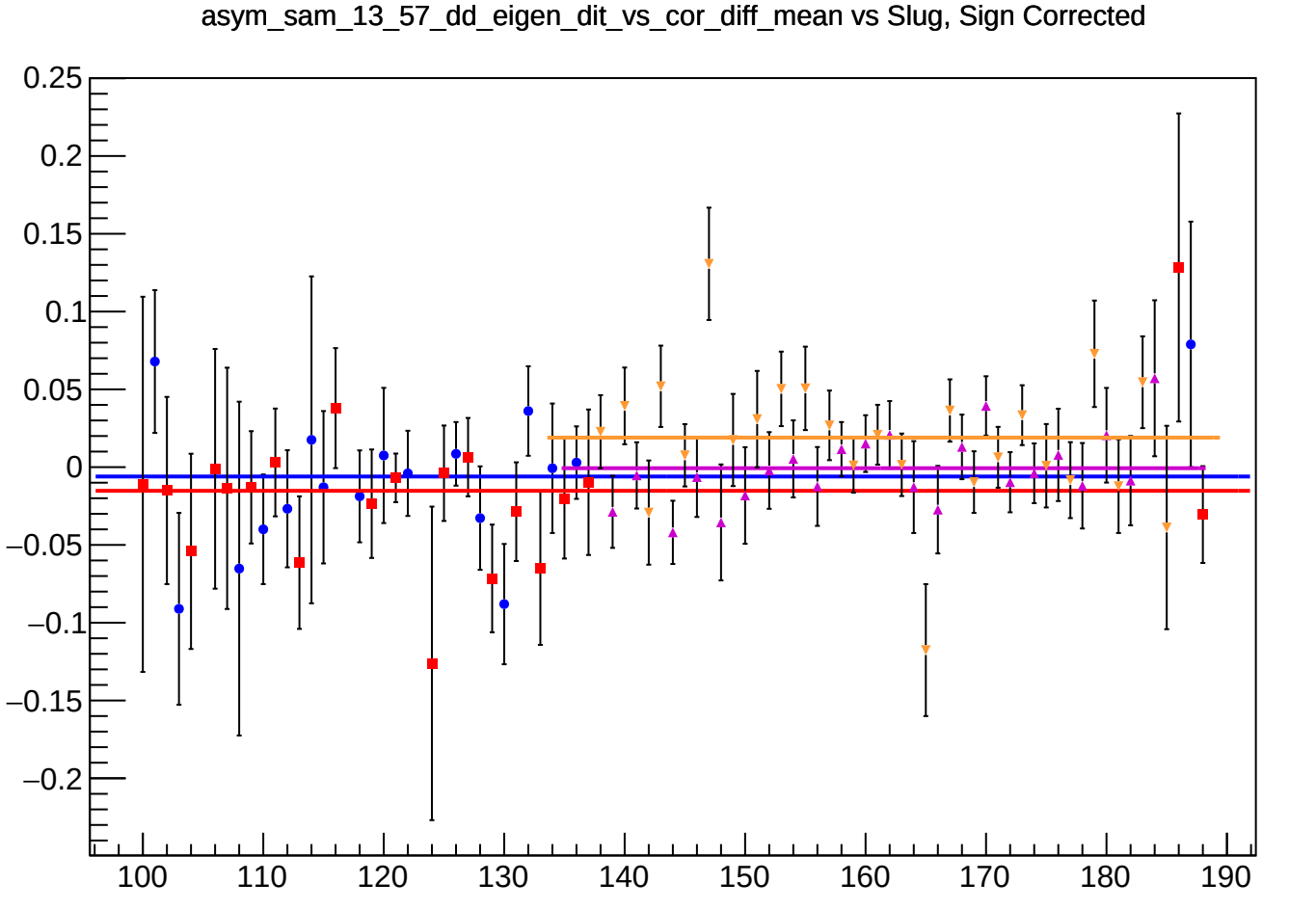
Left: 0.001+/-0.000 χ^2/NDF: 10673329.7/47

Right: 0.001+/-0.000 χ^2/NDF: 6143035.5/37

In: 0.001+/-0.000 χ^2/NDF:9995075.5/39

Out: 0.001+/-0.000 χ^2/NDF:8628779.0/45

All: 0.001+/-0.000 χ^2/NDF: 19106734.5/85



Right In: -0.006+/-0.009 χ^2/NDF: 15.5/16

Left Out: 0.019+/-0.005 χ^2/NDF:41.2/24

Right Out: -0.015+/-0.008 χ^2/NDF: 12.4/20

Left In: -0.001+/-0.005 χ^2/NDF:17.7/22

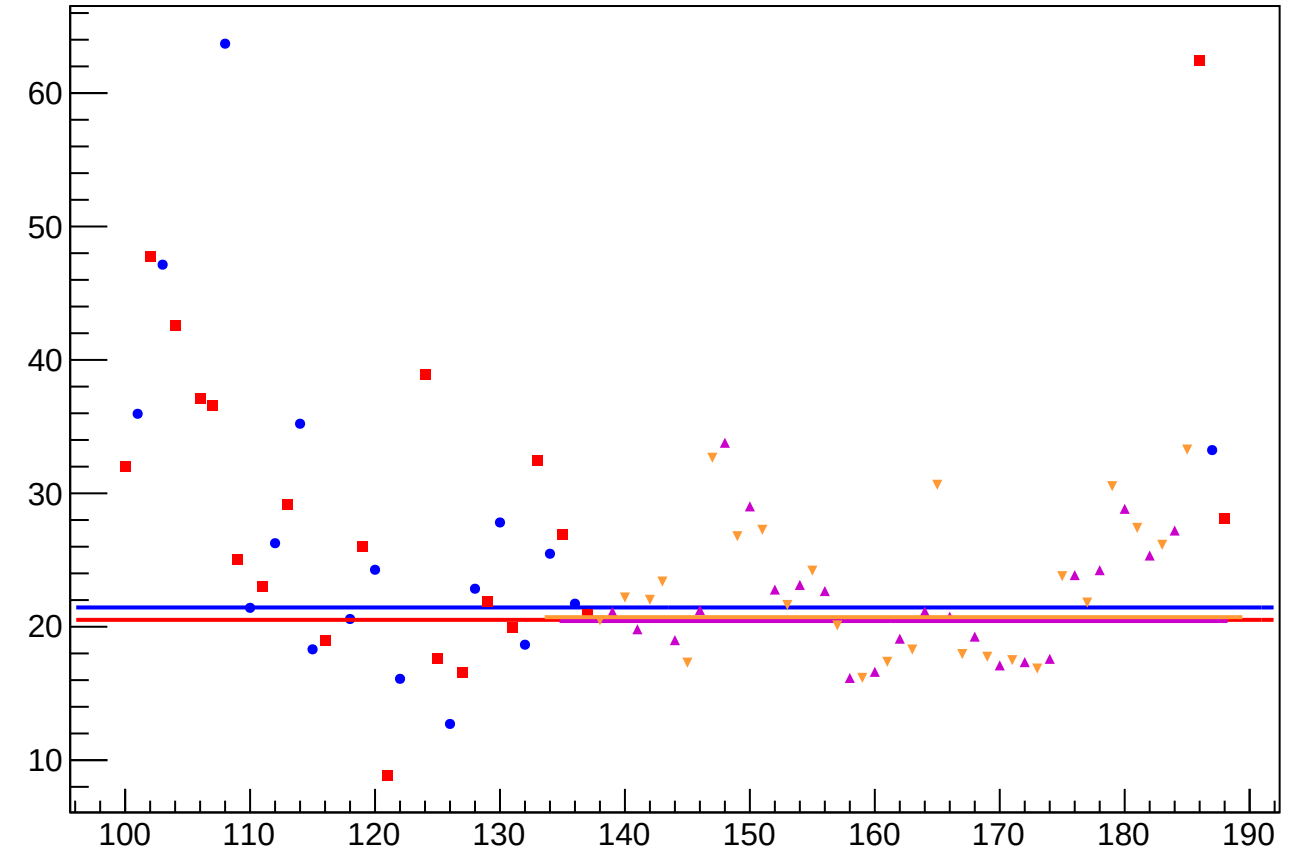
Left: 0.009+/-0.003 χ^2/NDF: 66.9/47

Right: -0.011+/-0.006 χ^2/NDF: 28.6/37

In: -0.002+/-0.004 χ^2/NDF:33.5/39

Out: 0.010+/-0.004 χ^2/NDF:67.1/45

All: 0.004+/-0.003 χ^2/NDF: 104.4/85



Right In: 21.446+/-0.006 χ^2/NDF: 1524454.6/16

Left Out: 20.718+/-0.003 χ^2/NDF:1506475.9/24

Right Out: 20.517+/-0.006 χ^2/NDF: 2935314.2/20

Left In: 20.429+/-0.003 χ^2/NDF:1173995.4/22

Left: 20.575+/-0.002 χ^2/NDF: 2683947.4/47

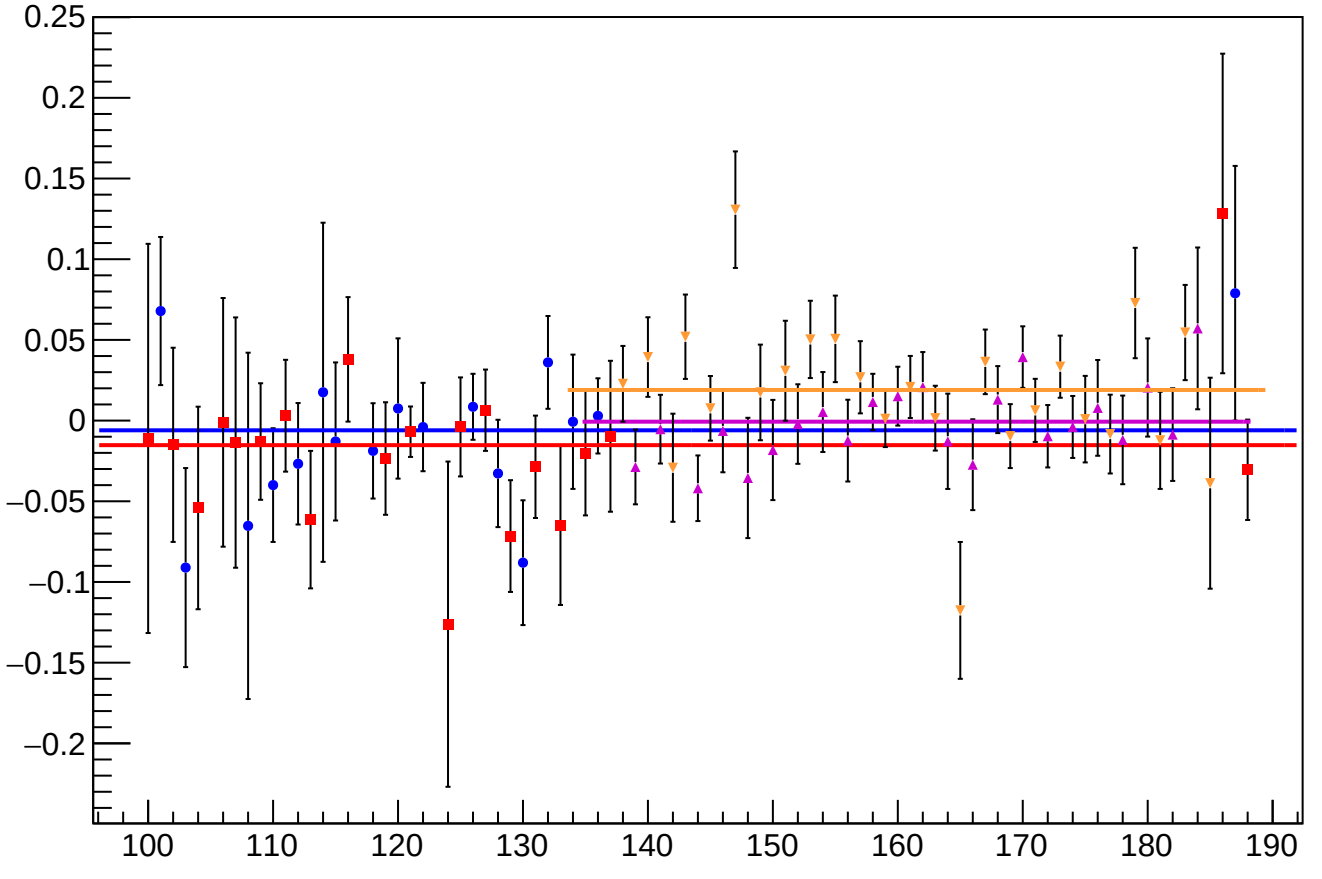
Right: 20.945+/-0.004 χ^2/NDF: 4472456.0/37

In: 20.682+/-0.003 χ^2/NDF:2719616.9/39

Out: 20.663+/-0.003 χ^2/NDF:4442726.9/45

All: 20.672+/-0.002 χ^2/NDF: 7162365.2/85

asym_sam_13_57_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.006+/-0.009 χ^2/NDF: 15.5/16

Left Out: 0.019+/-0.005 χ^2/NDF:41.2/24

Right Out: -0.015+/-0.008 χ^2/NDF: 12.4/20

Left In: -0.001+/-0.005 χ^2/NDF:17.7/22

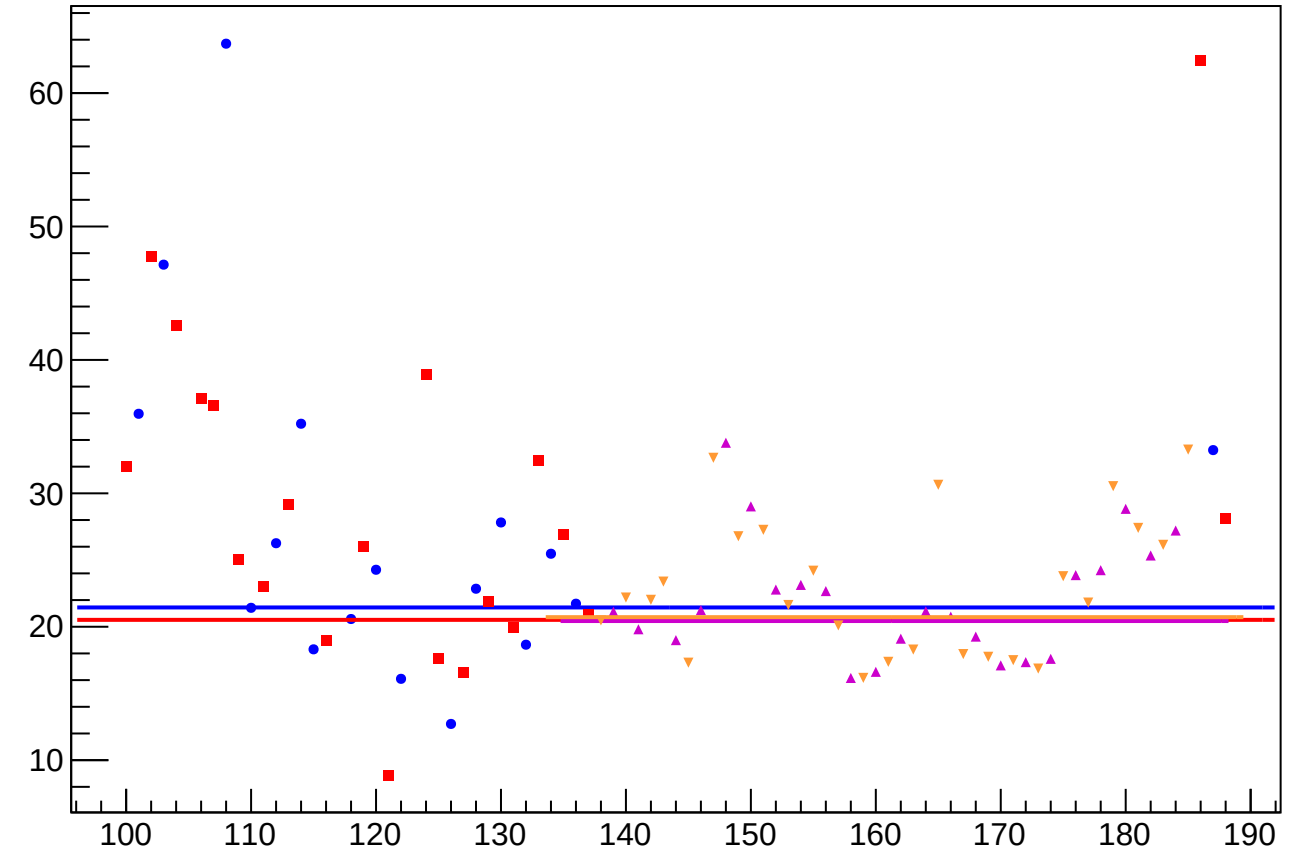
Left: 0.009+/-0.003 χ^2/NDF: 66.9/47

Right: -0.011+/-0.006 χ^2/NDF: 28.6/37

In: -0.002+/-0.004 χ^2/NDF:33.5/39

Out: 0.010+/-0.004 χ^2/NDF:67.1/45

All: 0.004+/-0.003 χ^2/NDF: 104.4/85



Right In: 21.446+/-0.006 χ^2/NDF: 1524454.6/16

Left Out: 20.718+/-0.003 χ^2/NDF:1506475.9/24

Right Out: 20.517+/-0.006 χ^2/NDF: 2935314.2/20

Left In: 20.429+/-0.003 χ^2/NDF:1173995.4/22

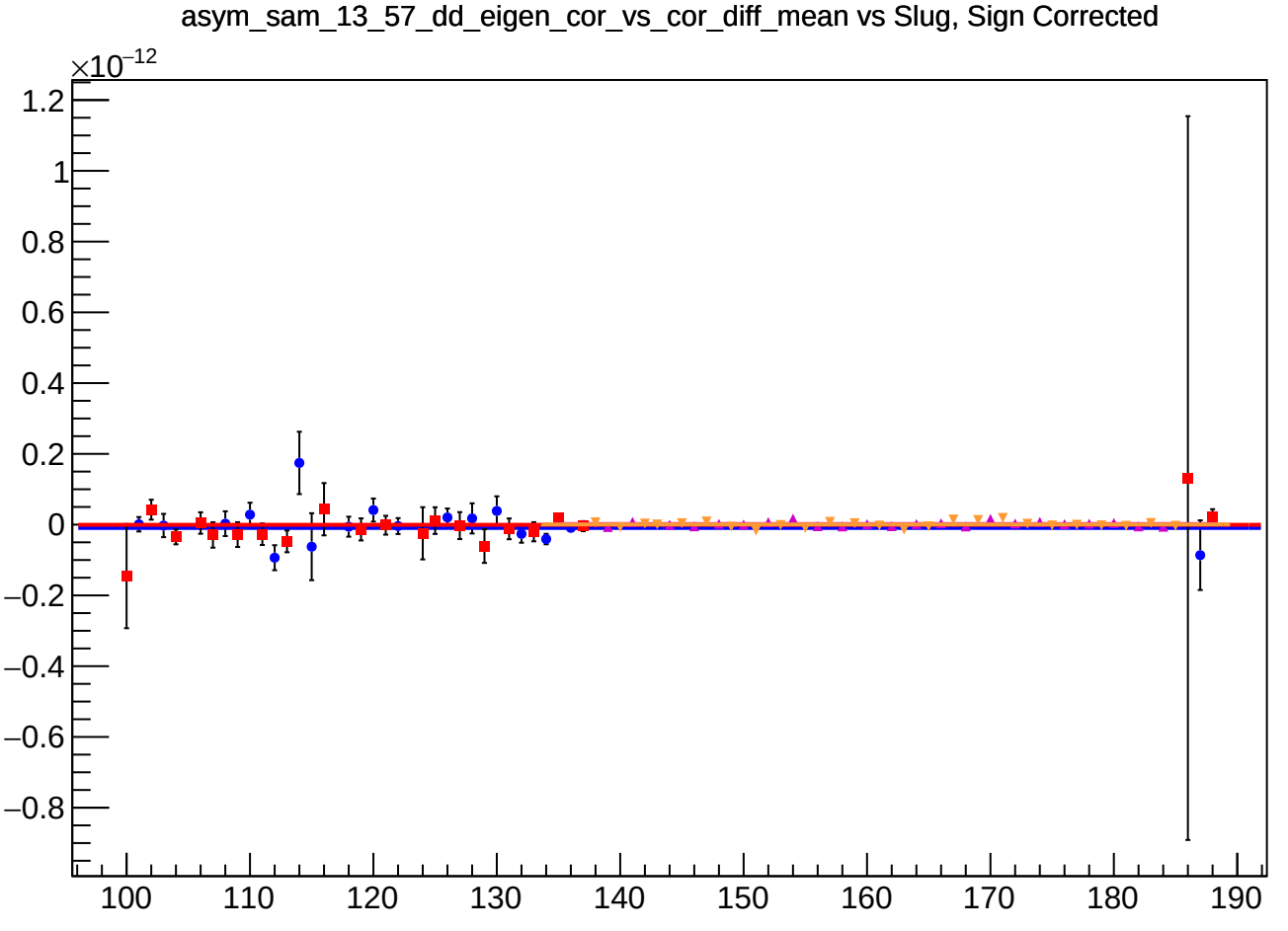
Left: 20.575+/-0.002 χ^2/NDF: 2683947.4/47

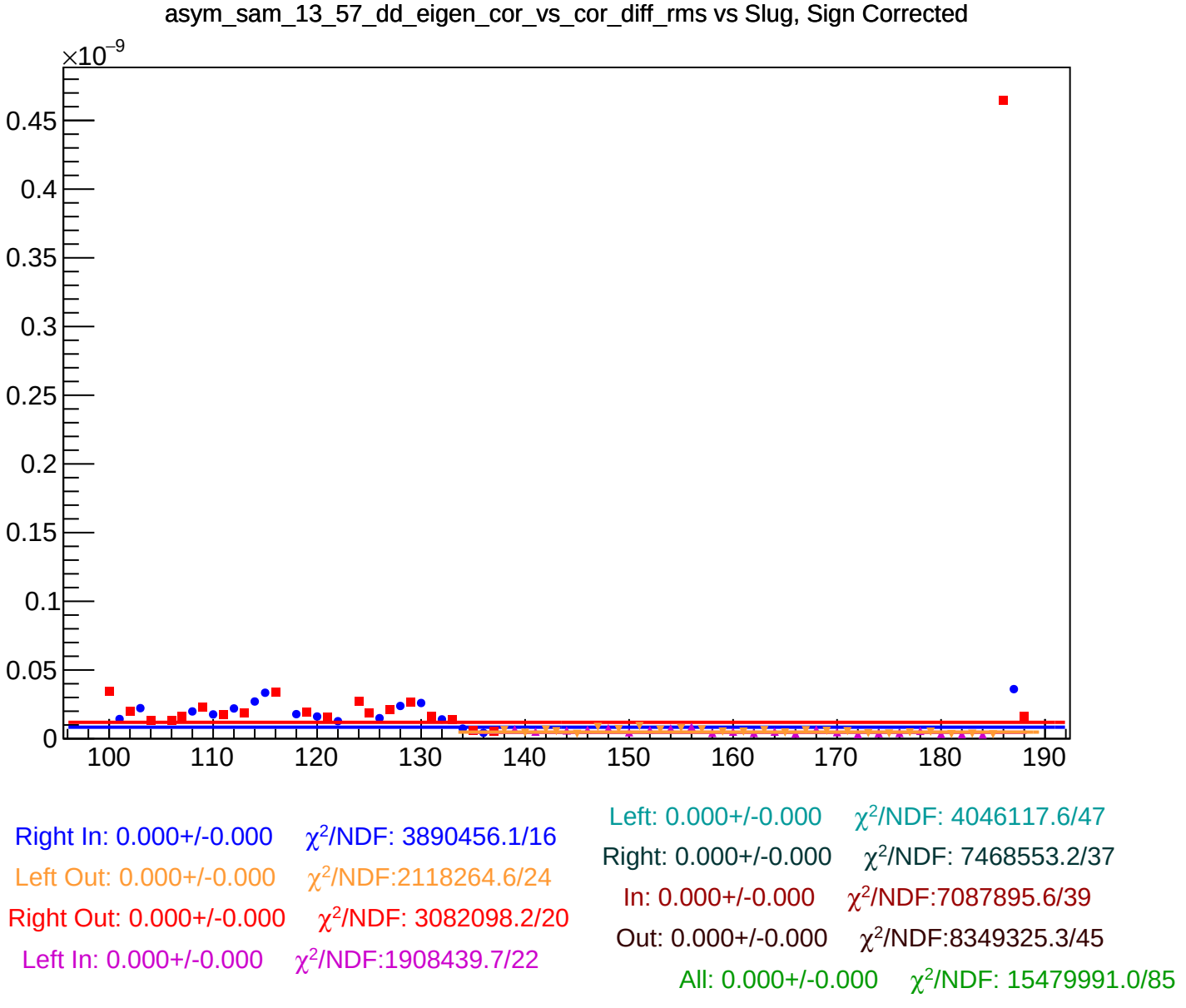
Right: 20.945+/-0.004 χ^2/NDF: 4472456.0/37

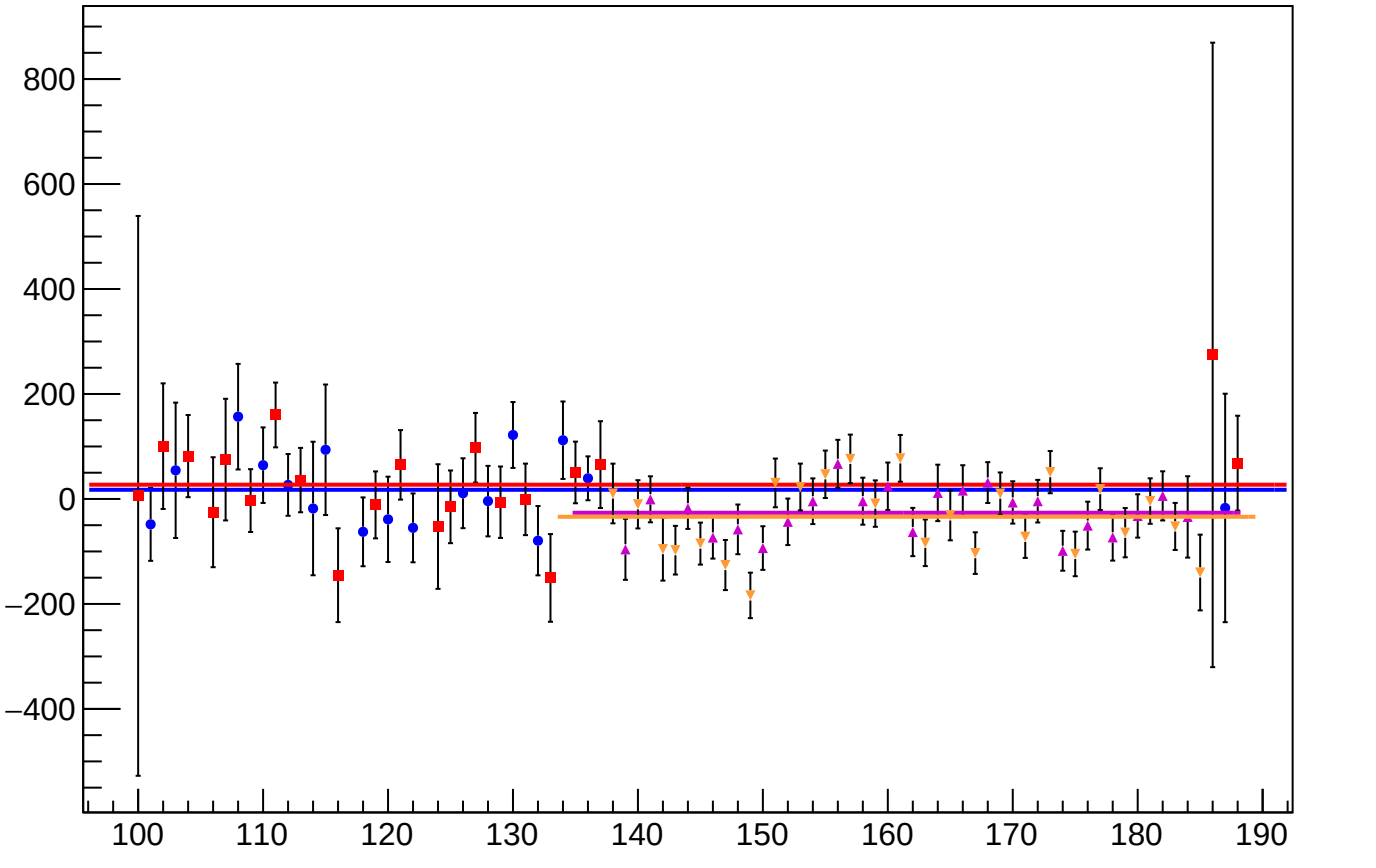
In: 20.682+/-0.003 χ^2/NDF:2719616.9/39

Out: 20.663+/-0.003 χ^2/NDF:4442726.9/45

All: 20.672+/-0.002 χ^2/NDF: 7162365.2/85


asym_sam_13_57_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
100
110
120
130
140
150
160
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 23.2/16
Left Out: 0.000+/-0.000 χ²/NDF:29.0/24
Right Out: -0.000+/-0.000 χ²/NDF: 17.9/20
Left In: 0.000+/-0.000 χ²/NDF:20.6/22
Left: 0.000+/-0.000 χ²/NDF: 49.9/47
Right: -0.000+/-0.000 χ²/NDF: 42.6/37
In: 0.000+/-0.000 χ²/NDF:49.2/39
Out: 0.000+/-0.000 χ²/NDF:47.0/45
All: 0.000+/-0.000 χ²/NDF: 96.2/85


asym_sam_13_57_dd_eigen_cor_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
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 3890456.1/16
Left Out: 0.000+/-0.000 χ²/NDF:2118264.6/24
Right Out: 0.000+/-0.000 χ²/NDF: 3082098.2/20
Left In: 0.000+/-0.000 χ²/NDF:1908439.7/22
Left: 0.000+/-0.000 χ²/NDF: 4046117.6/47
Right: 0.000+/-0.000 χ²/NDF: 7468553.2/37
In: 0.000+/-0.000 χ²/NDF:7087895.6/39
Out: 0.000+/-0.000 χ²/NDF:8349325.3/45
All: 0.000+/-0.000 χ²/NDF: 15479991.0/85



Right In: 17.478+/-17.414 χ^2/NDF: 14.0/16

Left Out: -33.956+/-8.993 χ^2/NDF:58.7/24

Right Out: 27.163+/-17.019 χ^2/NDF: 18.2/20

Left In: -26.267+/-9.271 χ^2/NDF:22.5/22

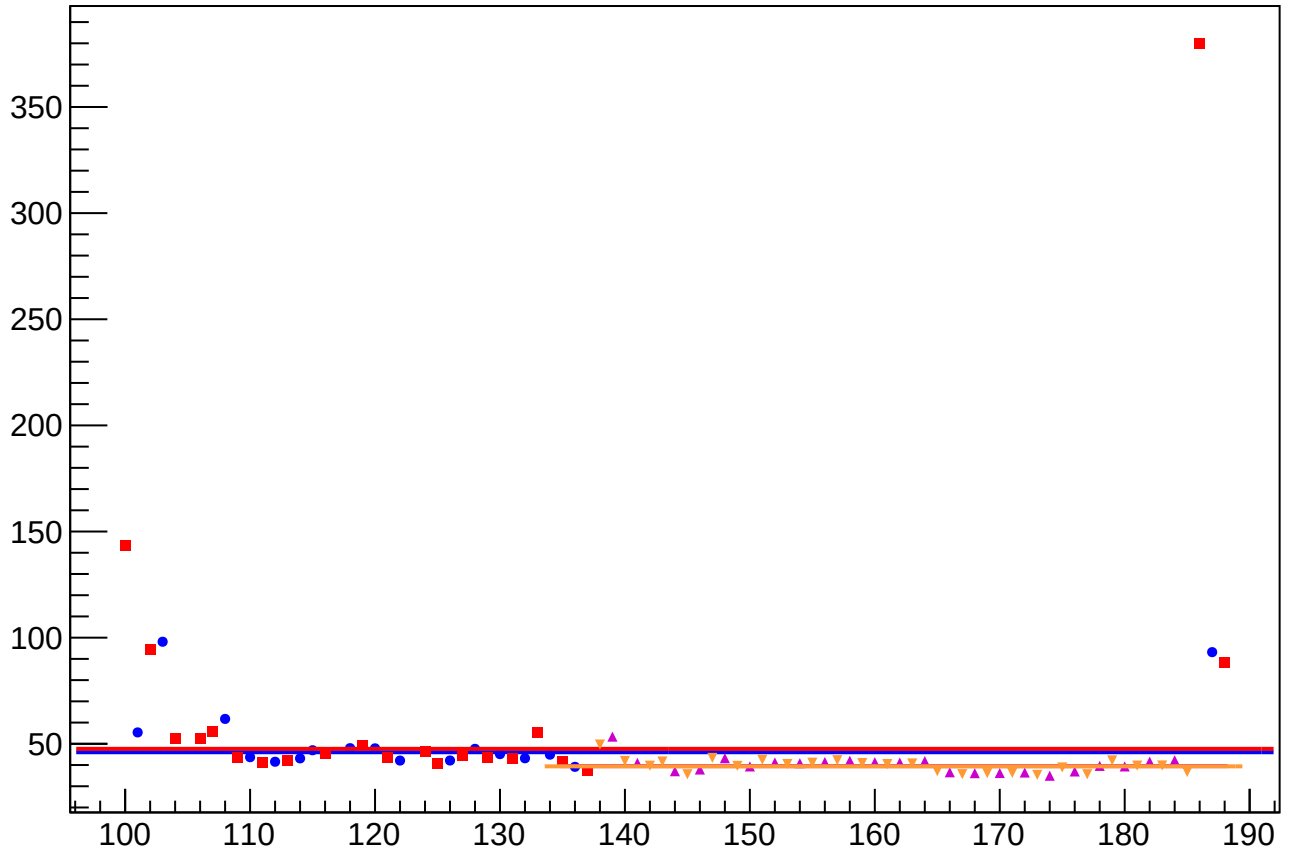
Left: -30.228+/-6.455 χ^2/NDF: 81.6/47

Right: 22.431+/-12.172 χ^2/NDF: 32.4/37

In: -16.605+/-8.184 χ^2/NDF:41.4/39

Out: -20.614+/-7.951 χ^2/NDF:87.0/45

All: -18.668+/-5.703 χ^2/NDF: 128.5/85



Right In: 46.030+/-0.012 χ^2/NDF: 595935.3/16

Left Out: 39.383+/-0.006 χ^2/NDF:228799.9/24

Right Out: 47.624+/-0.012 χ^2/NDF: 1587292.5/20

Left In: 39.491+/-0.007 χ^2/NDF:251801.8/22

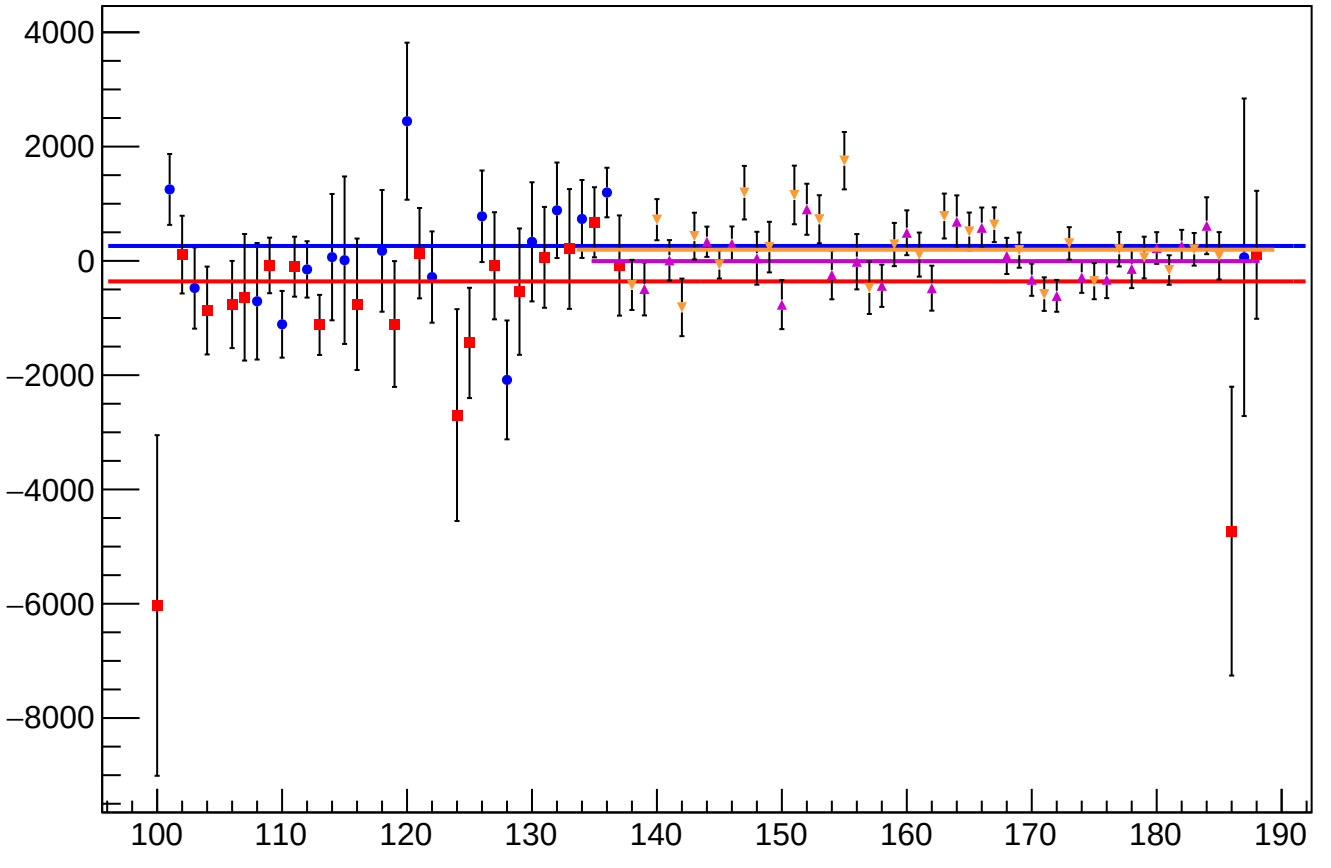
Left: 39.435+/-0.005 χ^2/NDF: 480742.3/47

Right: 46.845+/-0.009 χ^2/NDF: 2191789.6/37

In: 40.935+/-0.006 χ^2/NDF:1067500.7/39

Out: 41.181+/-0.006 χ^2/NDF:2182677.8/45

All: 41.062+/-0.004 χ^2/NDF: 3251110.3/85



Right In: 261.063+/-184.801 χ^2/NDF: 25.0/16

Left Out: 195.029+/-70.093 χ^2/NDF:48.6/24

Right Out: -358.912+/-177.932 χ^2/NDF: 18.1/20

Left In: -4.015+/-71.981 χ^2/NDF:32.4/22

Left: 98.152+/-50.217 χ^2/NDF: 84.9/47

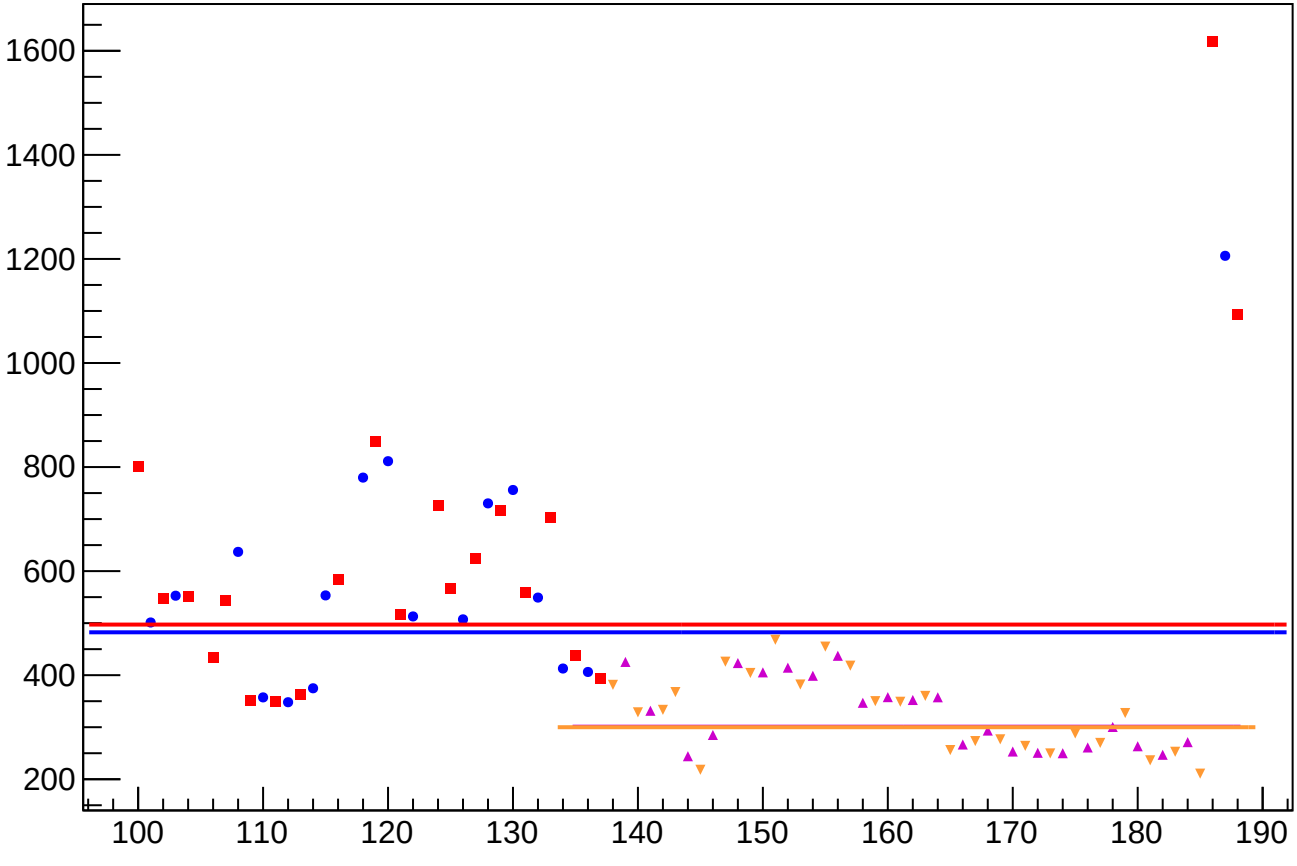
Right: -60.660+/-128.176 χ^2/NDF: 48.9/37

In: 30.904+/-67.073 χ^2/NDF:59.1/39

Out: 120.615+/-65.215 χ^2/NDF:75.1/45

All: 77.019+/-46.757 χ^2/NDF: 135.1/85

asym_sam_15_37_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 482.393+/-0.131 χ^2/NDF: 1088965.1/16

Left Out: 299.976+/-0.050 χ^2/NDF:1808461.5/24

Right Out: 497.256+/-0.126 χ^2/NDF: 1995271.4/20

Left In: 301.000+/-0.051 χ^2/NDF:1407198.4/22

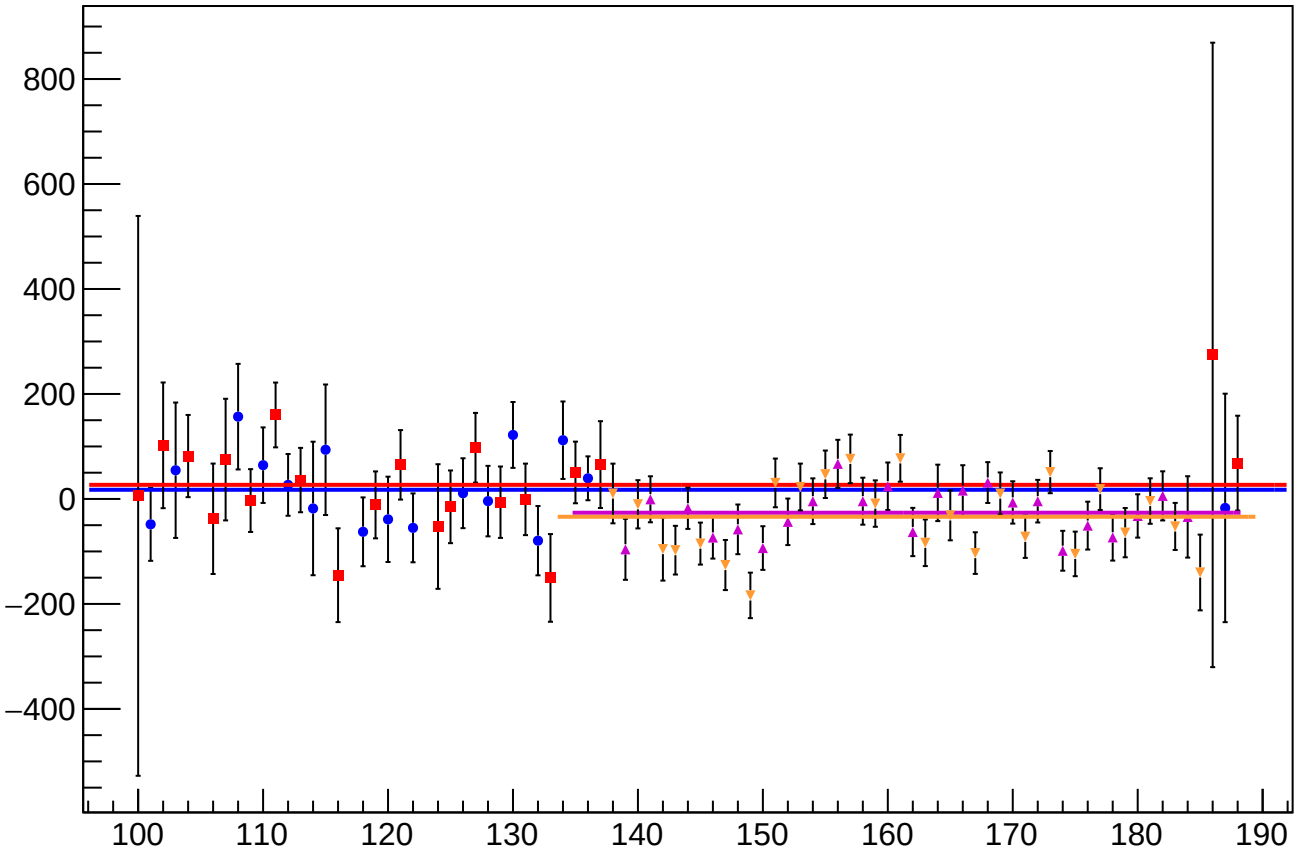
Left: 300.474+/-0.036 χ^2/NDF: 3215867.3/47

Right: 490.106+/-0.091 χ^2/NDF: 3090949.9/37

In: 324.894+/-0.047 χ^2/NDF:4169265.4/39

Out: 326.478+/-0.046 χ^2/NDF:5932057.6/45

All: 325.708+/-0.033 χ^2/NDF: 10101896.0/85



Right In: 17.483+/-17.414 χ^2/NDF: 14.0/16

Left Out: -33.955+/-8.993 χ^2/NDF:58.7/24

Right Out: 26.879+/-17.021 χ^2/NDF: 18.4/20

Left In: -26.267+/-9.271 χ^2/NDF:22.5/22

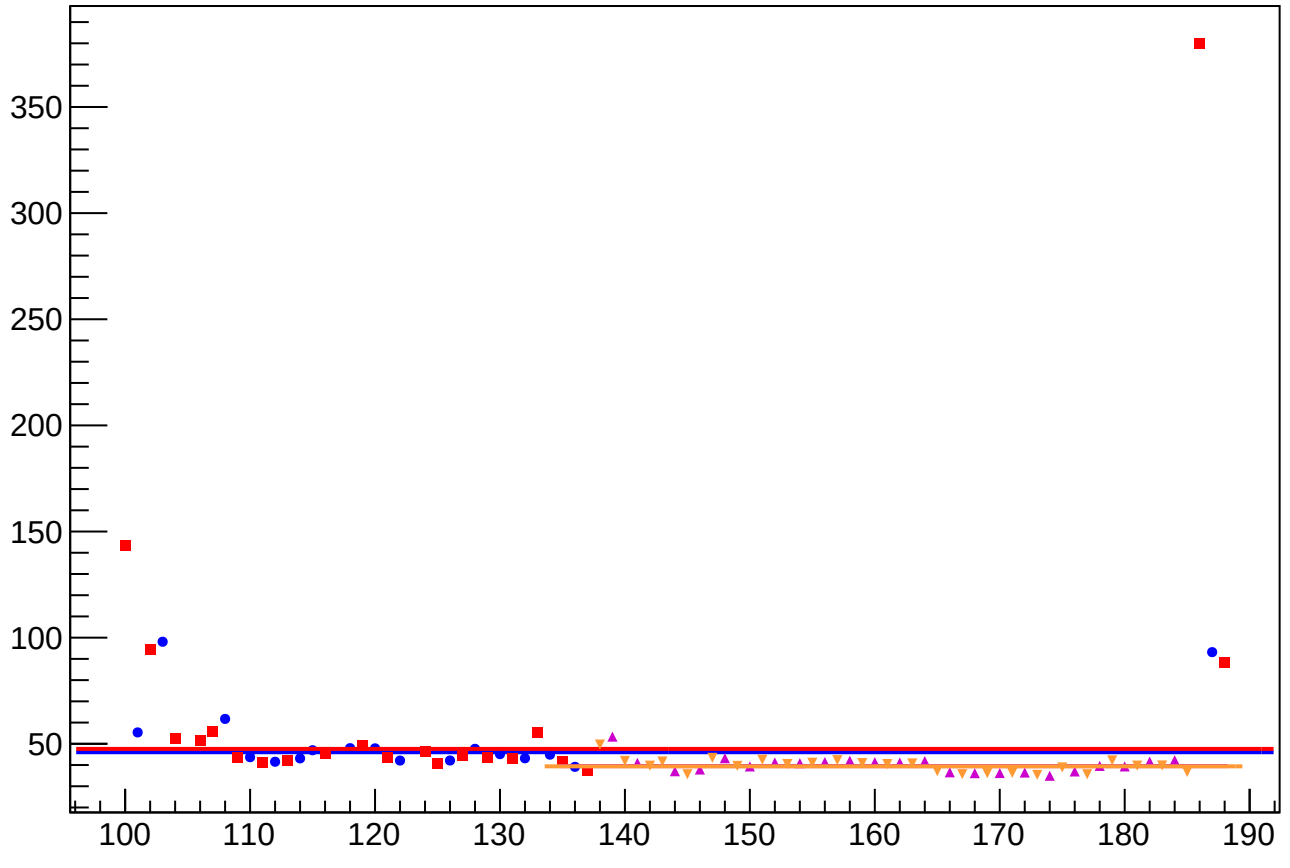
Left: -30.228+/-6.455 χ^2/NDF: 81.6/47

Right: 22.288+/-12.172 χ^2/NDF: 32.5/37

In: -16.604+/-8.184 χ^2/NDF:41.4/39

Out: -20.679+/-7.952 χ^2/NDF:87.1/45

All: -18.700+/-5.703 χ^2/NDF: 128.6/85



Right In: 46.030+/-0.012 χ^2/NDF: 595938.3/16

Left Out: 39.383+/-0.006 χ^2/NDF:228799.9/24

Right Out: 47.601+/-0.012 χ^2/NDF: 1586164.5/20

Left In: 39.491+/-0.007 χ^2/NDF:251801.8/22

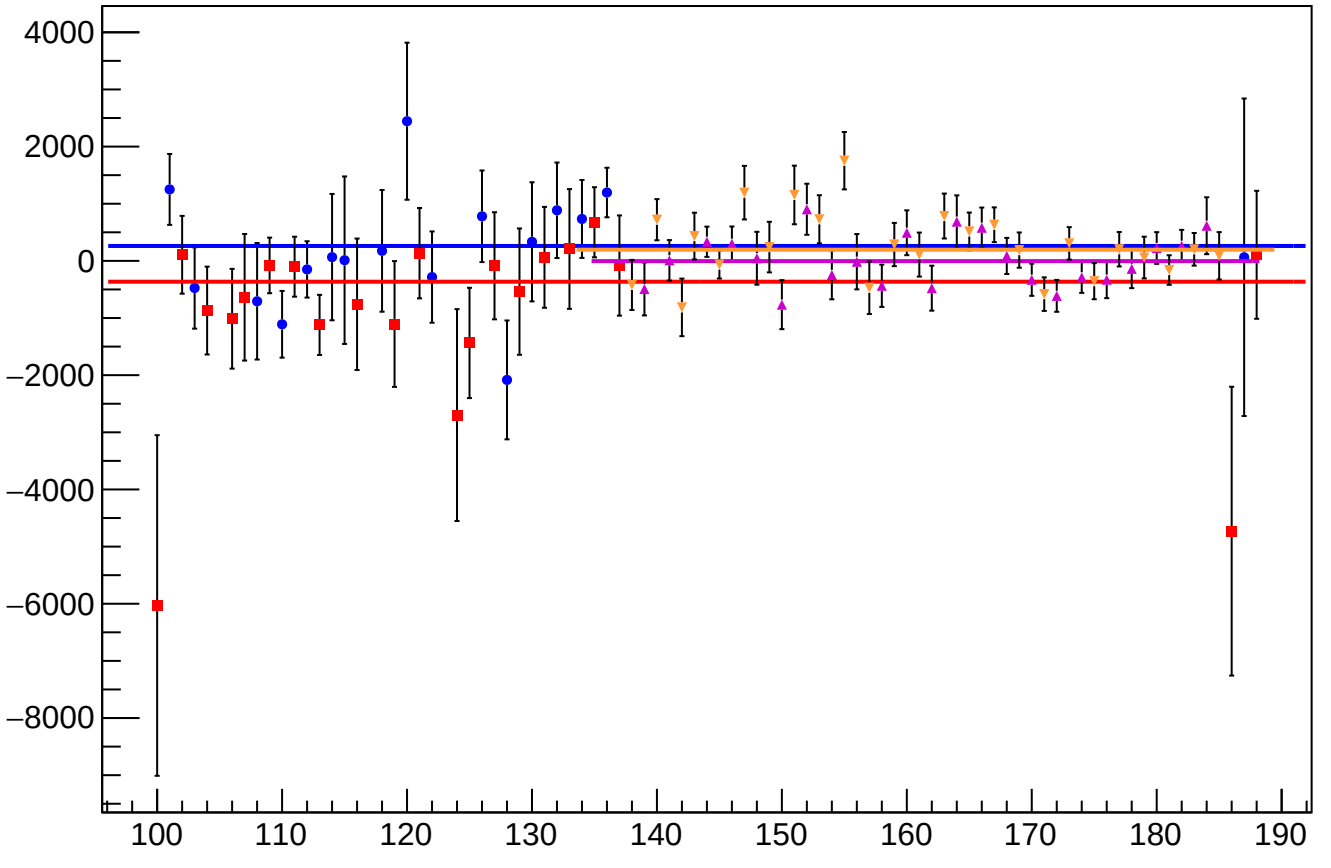
Left: 39.435+/-0.005 χ^2/NDF: 480742.3/47

Right: 46.834+/-0.009 χ^2/NDF: 2190423.0/37

In: 40.935+/-0.006 χ^2/NDF:1067503.7/39

Out: 41.176+/-0.006 χ^2/NDF:2179474.8/45

All: 41.059+/-0.004 χ^2/NDF: 3247870.6/85



Right In: 261.067+/-184.802 χ^2/NDF: 25.0/16

Left Out: 195.028+/-70.093 χ^2/NDF:48.6/24

Right Out: -364.399+/-179.097 χ^2/NDF: 18.4/20

Left In: -4.014+/-71.981 χ^2/NDF:32.4/22

Left: 98.152+/-50.217 χ^2/NDF: 84.9/47

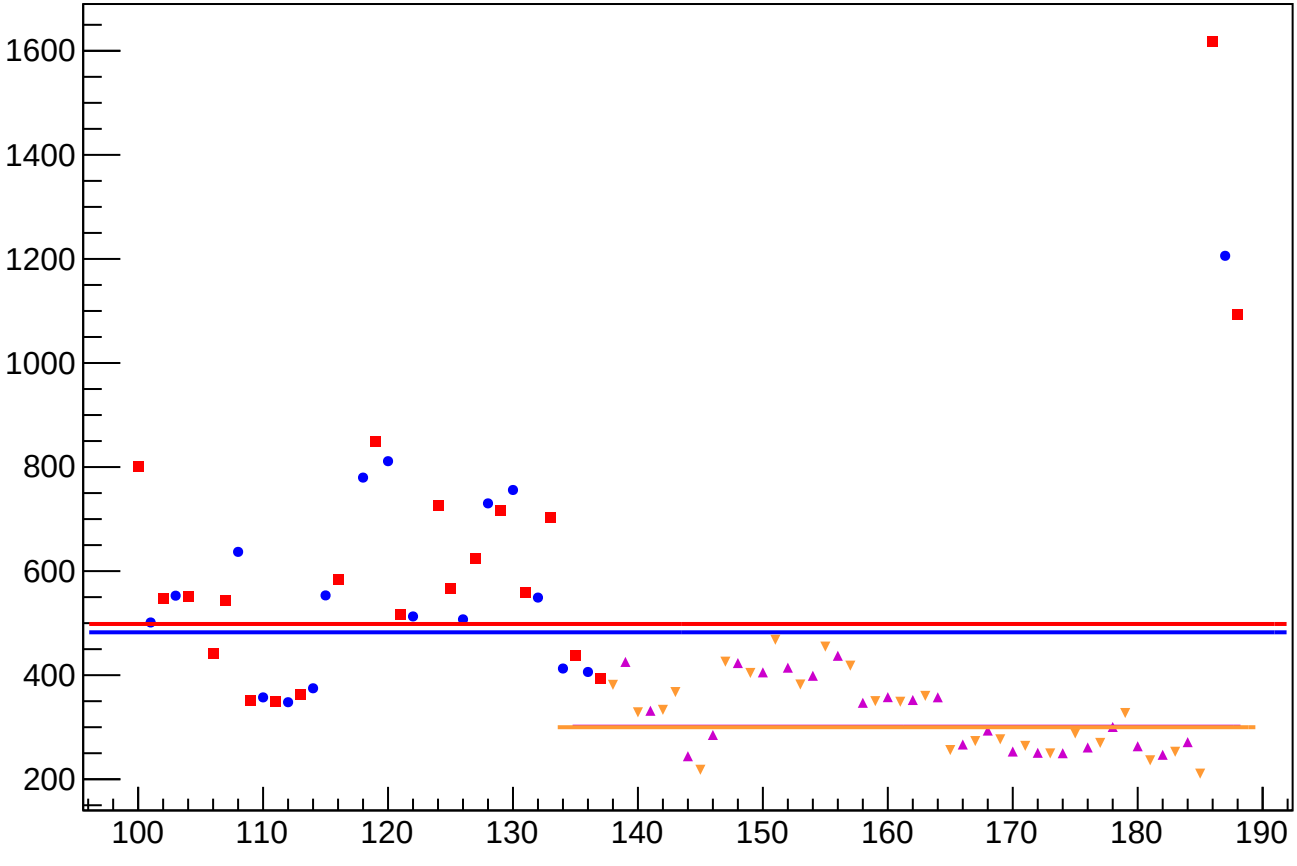
Right: -61.469+/-128.610 χ^2/NDF: 49.2/37

In: 30.904+/-67.073 χ^2/NDF:59.1/39

Out: 120.723+/-65.272 χ^2/NDF:75.4/45

All: 77.035+/-46.778 χ^2/NDF: 135.5/85

asym_sam_15_37_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 482.395+/-0.131 χ^2/NDF: 1088993.1/16

Left Out: 299.976+/-0.050 χ^2/NDF:1808454.4/24

Right Out: 498.409+/-0.127 χ^2/NDF: 1989829.5/20

Left In: 300.999+/-0.051 χ^2/NDF:1407206.0/22

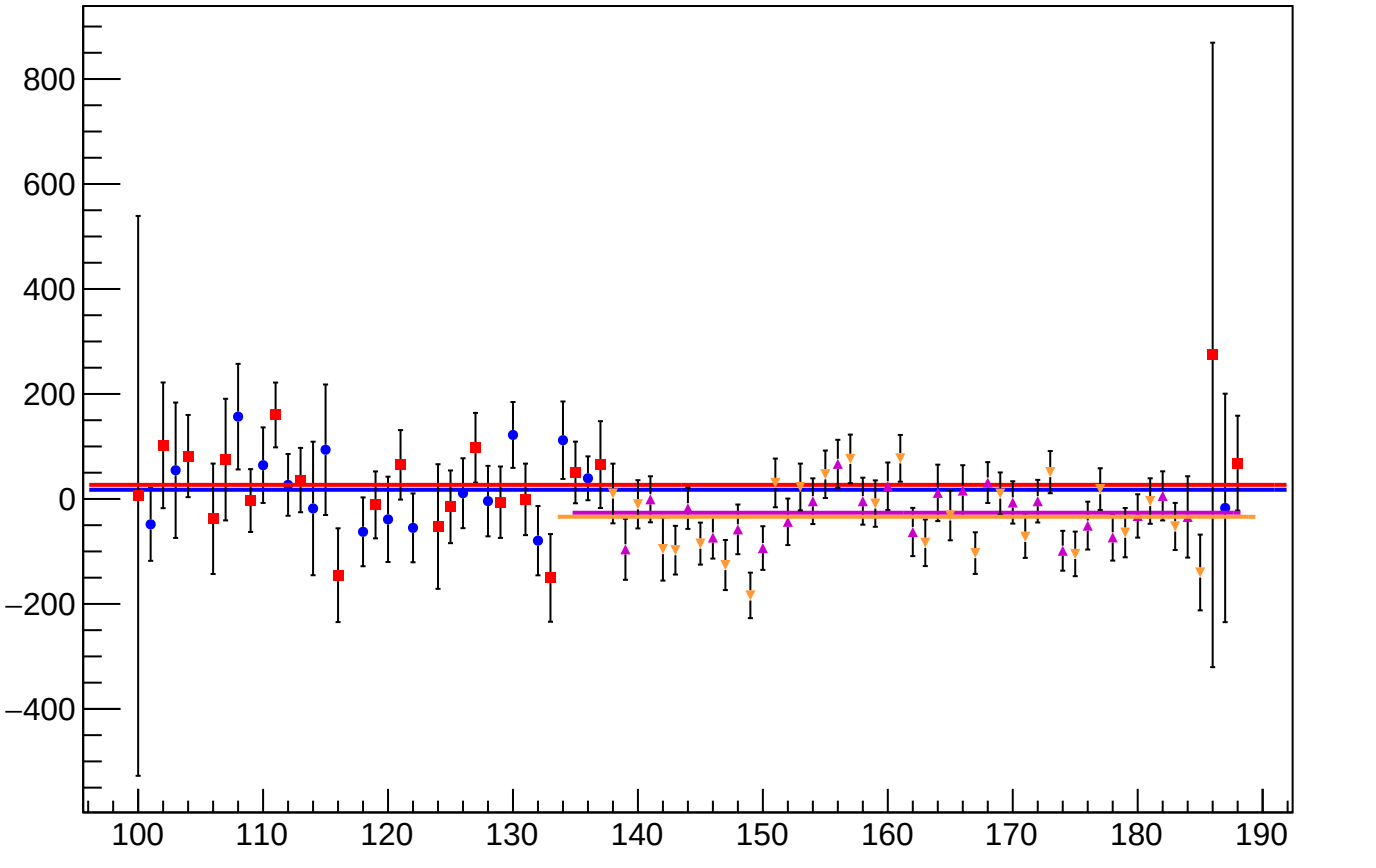
Left: 300.474+/-0.036 χ^2/NDF: 3215867.7/47

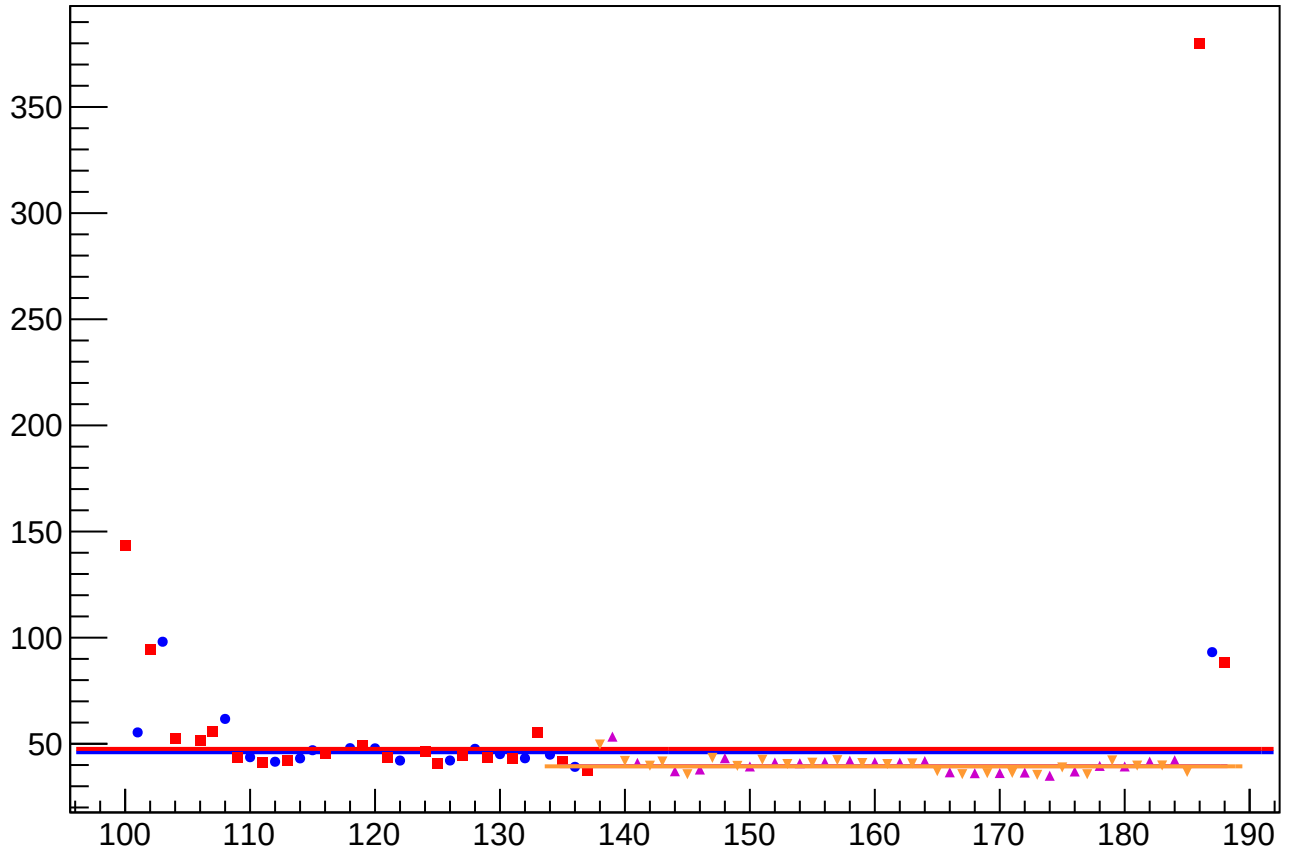
Right: 490.653+/-0.091 χ^2/NDF: 3086566.6/37

In: 324.894+/-0.047 χ^2/NDF:4169326.9/39

Out: 326.333+/-0.046 χ^2/NDF:5927333.1/45

All: 325.633+/-0.033 χ^2/NDF: 10097132.5/85


eigen_cor_asym_sam_15_37_dd_mean vs Slug, Sign Corrected
800
600
400
200
0
−200
−400
100
110
120
130
140
150
160
170
180
190
Right In: 17.483+/-17.414 χ²/NDF: 14.0/16
Left Out: -33.955+/-8.993 χ²/NDF:58.7/24
Right Out: 26.879+/-17.021 χ²/NDF: 18.4/20
Left In: -26.267+/-9.271 χ²/NDF:22.5/22
Left: -30.228+/-6.455 χ²/NDF: 81.6/47
Right: 22.288+/-12.172 χ²/NDF: 32.5/37
In: -16.604+/-8.184 χ²/NDF:41.4/39
Out: -20.679+/-7.952 χ²/NDF:87.1/45
All: -18.700+/-5.703 χ²/NDF: 128.6/85



Right In: 46.030+/-0.012 χ^2/NDF: 595938.3/16

Left Out: 39.383+/-0.006 χ^2/NDF:228799.9/24

Right Out: 47.601+/-0.012 χ^2/NDF: 1586164.5/20

Left In: 39.491+/-0.007 χ^2/NDF:251801.8/22

Left: 39.435+/-0.005 χ^2/NDF: 480742.3/47

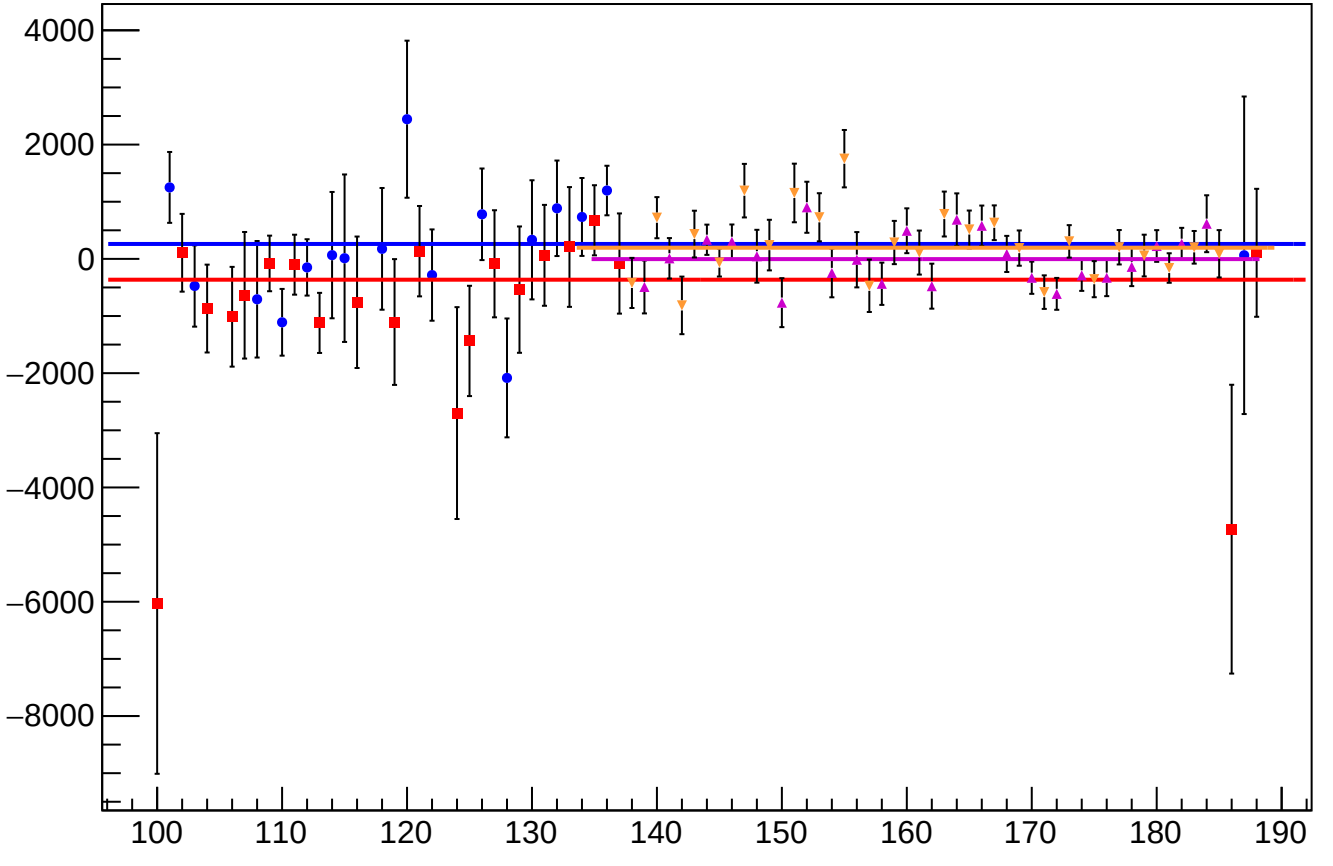
Right: 46.834+/-0.009 χ^2/NDF: 2190423.0/37

In: 40.935+/-0.006 χ^2/NDF:1067503.7/39

Out: 41.176+/-0.006 χ^2/NDF:2179474.8/45

All: 41.059+/-0.004 χ^2/NDF: 3247870.6/85

asym_sam_15_37_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 261.067+/-184.802 χ^2/NDF: 25.0/16

Left Out: 195.028+/-70.093 χ^2/NDF:48.6/24

Right Out: -364.399+/-179.097 χ^2/NDF: 18.4/20

Left In: -4.014+/-71.981 χ^2/NDF:32.4/22

Left: 98.152+/-50.217 χ^2/NDF: 84.9/47

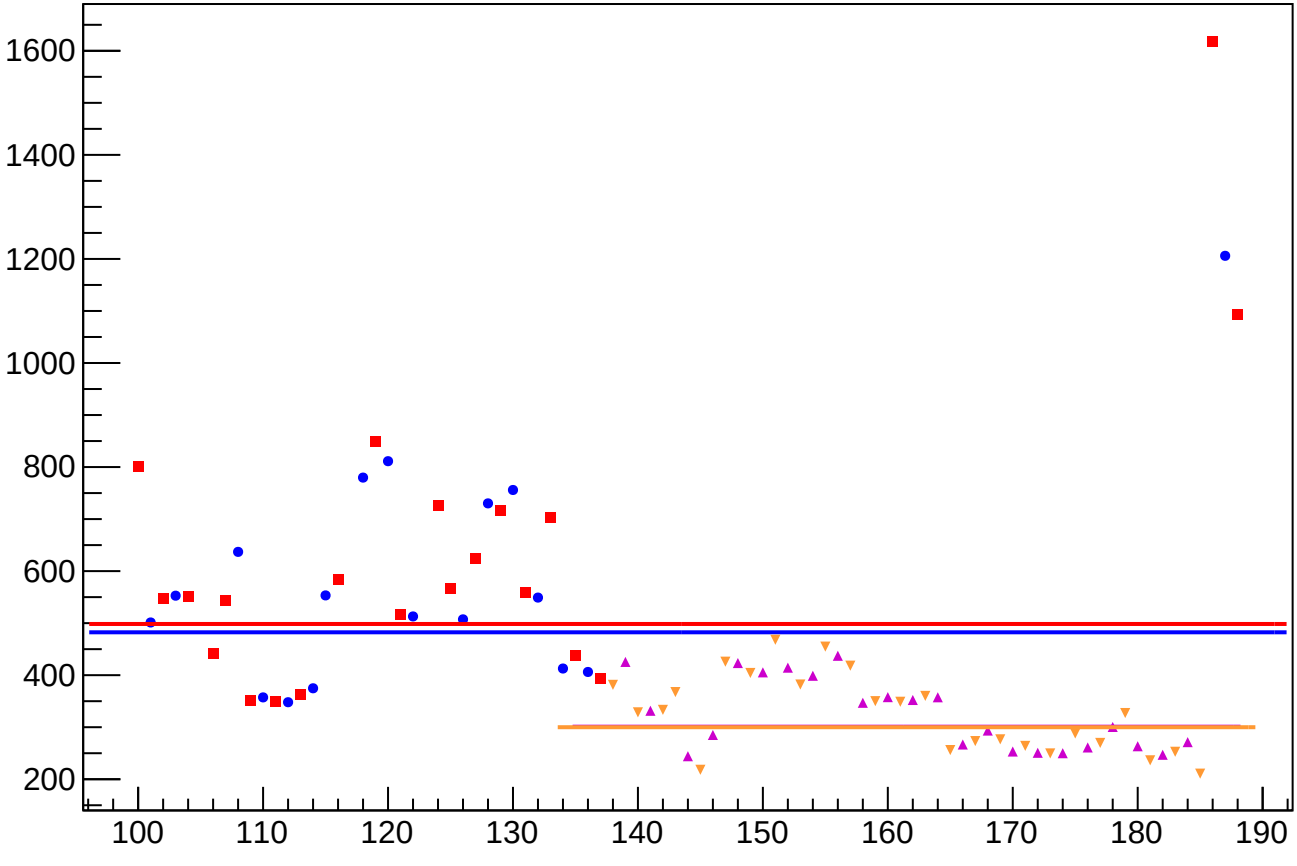
Right: -61.469+/-128.610 χ^2/NDF: 49.2/37

In: 30.904+/-67.073 χ^2/NDF:59.1/39

Out: 120.723+/-65.272 χ^2/NDF:75.4/45

All: 77.035+/-46.778 χ^2/NDF: 135.5/85

asym_sam_15_37_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 482.395+/-0.131 χ^2/NDF: 1088993.1/16

Left Out: 299.976+/-0.050 χ^2/NDF:1808454.4/24

Right Out: 498.409+/-0.127 χ^2/NDF: 1989829.5/20

Left In: 300.999+/-0.051 χ^2/NDF:1407206.0/22

Left: 300.474+/-0.036 χ^2/NDF: 3215867.7/47

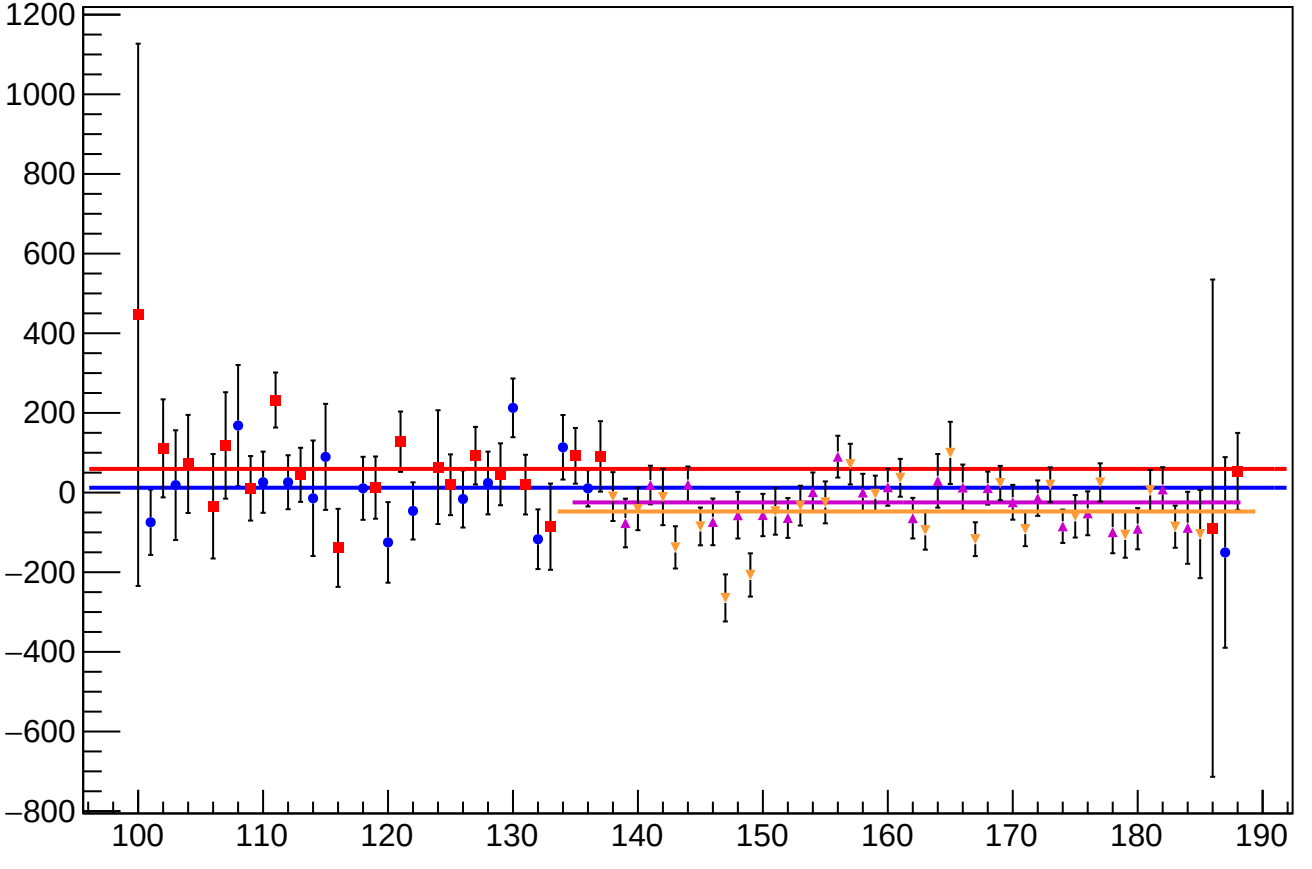
Right: 490.653+/-0.091 χ^2/NDF: 3086566.6/37

In: 324.894+/-0.047 χ^2/NDF:4169326.9/39

Out: 326.333+/-0.046 χ^2/NDF:5927333.1/45

All: 325.633+/-0.033 χ^2/NDF: 10097132.5/85

dit_asym_sam_15_37_dd_mean vs Slug, Sign Corrected



Right In: 12.148+/-19.781 χ^2/NDF: 17.7/16

Left Out: -47.480+/-10.392 χ^2/NDF:54.7/24

Right Out: 59.379+/-19.795 χ^2/NDF: 16.2/20

Left In: -24.687+/-10.660 χ^2/NDF:19.7/22

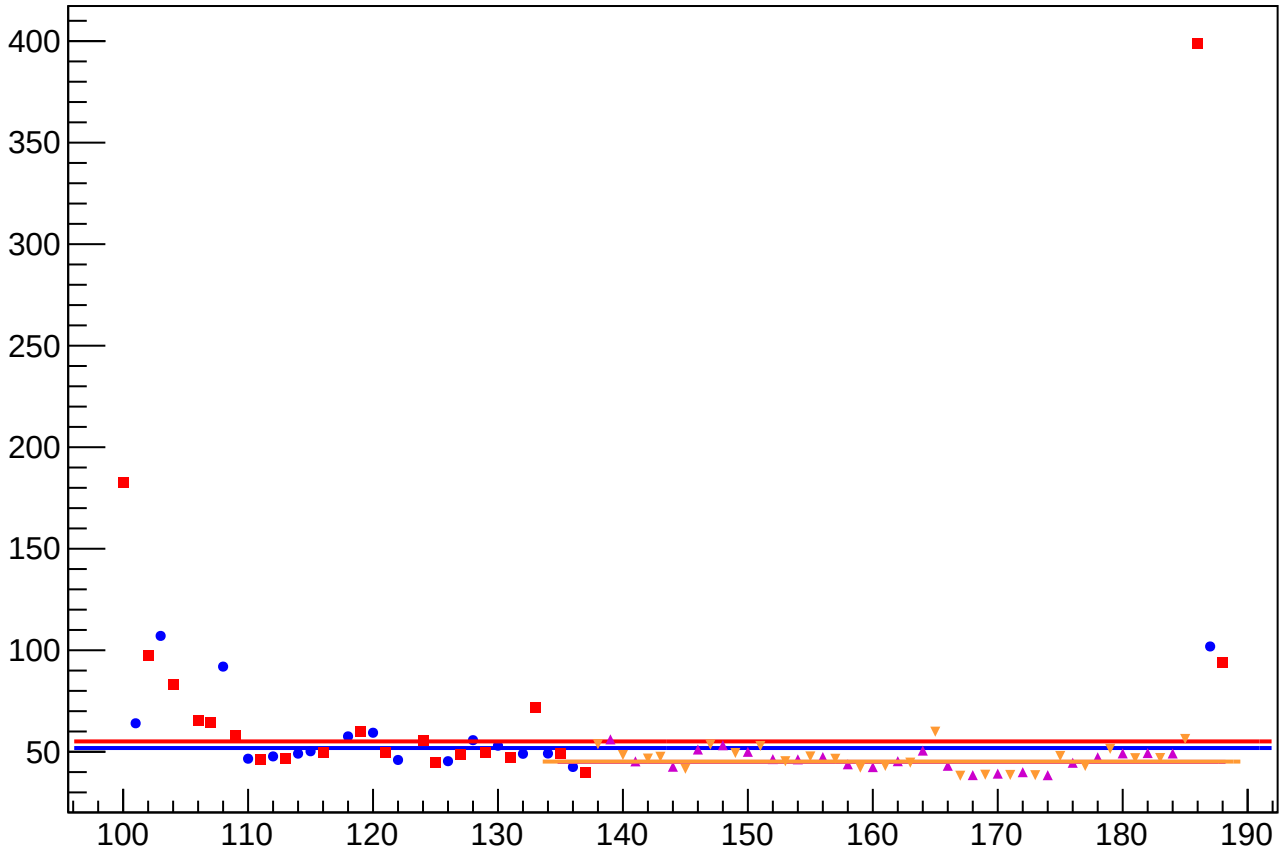
Left: -36.373+/-7.441 χ^2/NDF: 76.7/47

Right: 35.747+/-13.992 χ^2/NDF: 36.7/37

In: -16.397+/-9.384 χ^2/NDF:40.1/39

Out: -24.392+/-9.201 χ^2/NDF:93.7/45

All: -20.473+/-6.570 χ^2/NDF: 134.1/85



Right In: 51.850+/-0.014 χ^2/NDF: 755003.0/16

Left Out: 45.175+/-0.007 χ^2/NDF:489860.2/24

Right Out: 55.109+/-0.014 χ^2/NDF: 1666468.1/20

Left In: 45.017+/-0.008 χ^2/NDF:372690.8/22

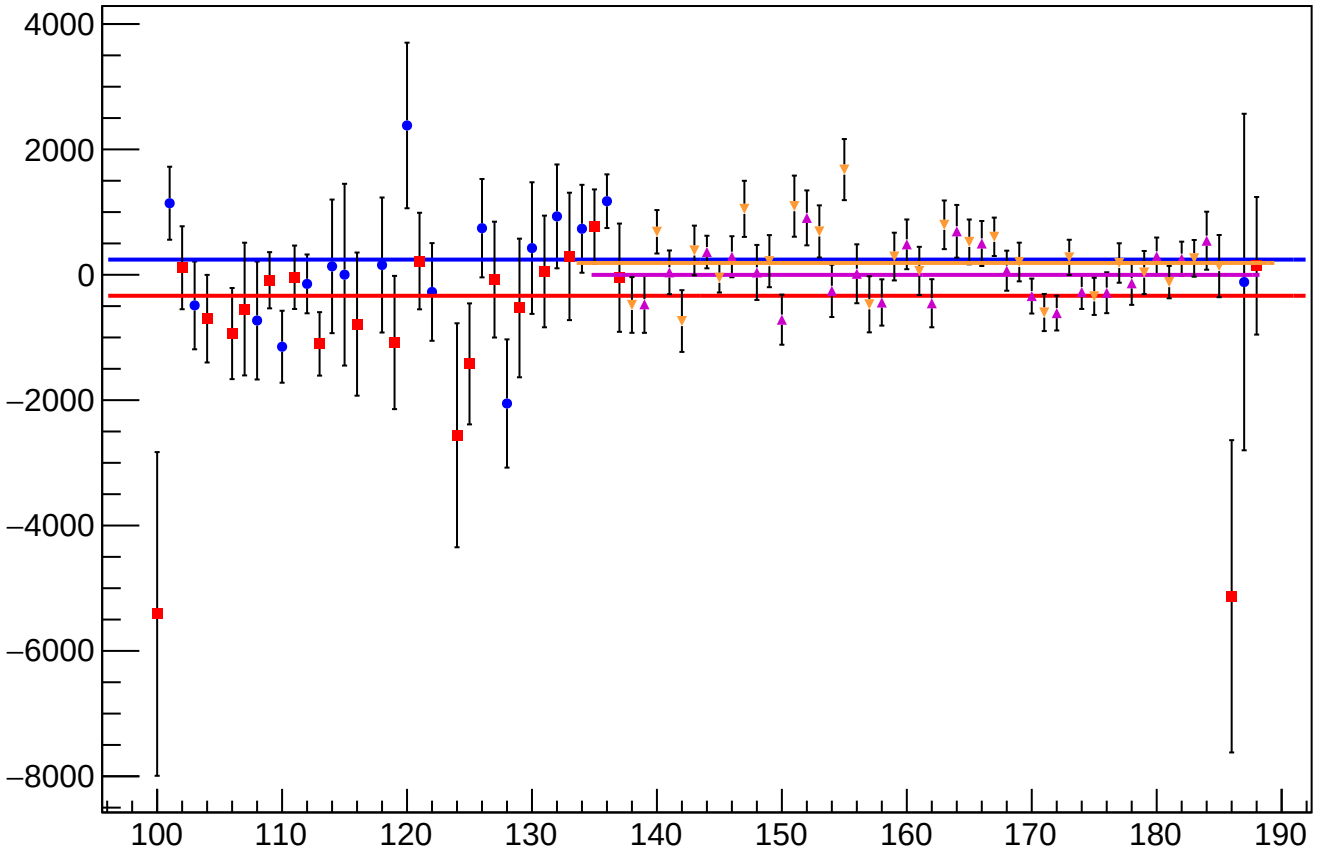
Left: 45.098+/-0.005 χ^2/NDF: 862775.1/47

Right: 53.478+/-0.010 χ^2/NDF: 2448598.1/37

In: 46.555+/-0.007 χ^2/NDF:1312582.0/39

Out: 47.321+/-0.007 χ^2/NDF:2551163.9/45

All: 46.946+/-0.005 χ^2/NDF: 3870546.2/85



Right In: 242.202+/-180.463 χ^2/NDF: 25.6/16

Left Out: 188.812+/-69.714 χ^2/NDF:46.8/24

Right Out: -334.954+/-171.094 χ^2/NDF: 20.4/20

Left In: -1.655+/-71.712 χ^2/NDF:32.2/22

Left: 96.270+/-49.987 χ^2/NDF: 82.6/47

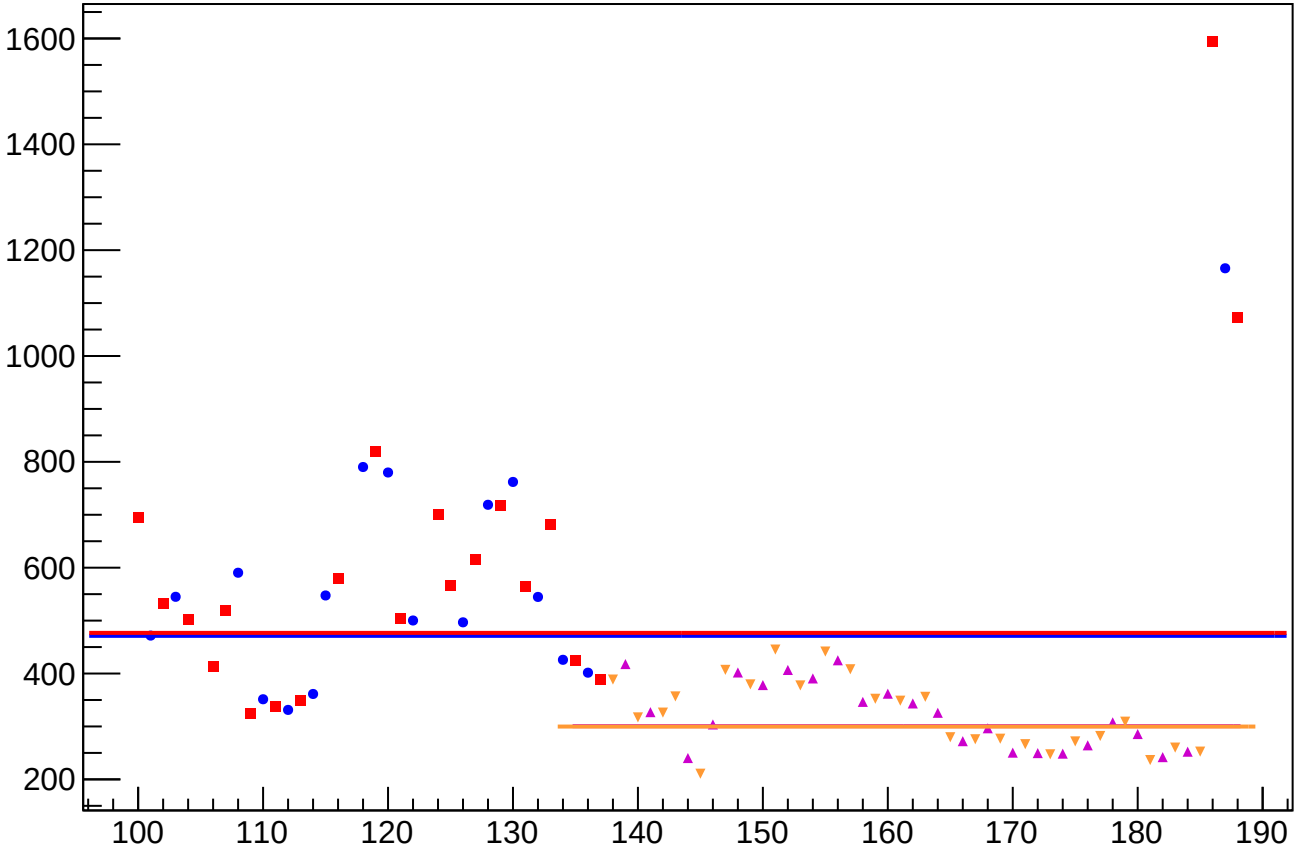
Right: -61.746+/-124.162 χ^2/NDF: 51.4/37

In: 31.601+/-66.643 χ^2/NDF:59.4/39

Out: 114.237+/-64.560 χ^2/NDF:75.2/45

All: 74.231+/-46.370 χ^2/NDF: 135.4/85

asym_sam_15_37_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 471.219+/-0.128 χ^2/NDF: 1117429.3/16

Left Out: 299.798+/-0.049 χ^2/NDF:1577420.4/24

Right Out: 476.812+/-0.121 χ^2/NDF: 2102103.0/20

Left In: 300.544+/-0.051 χ^2/NDF:1259270.5/22

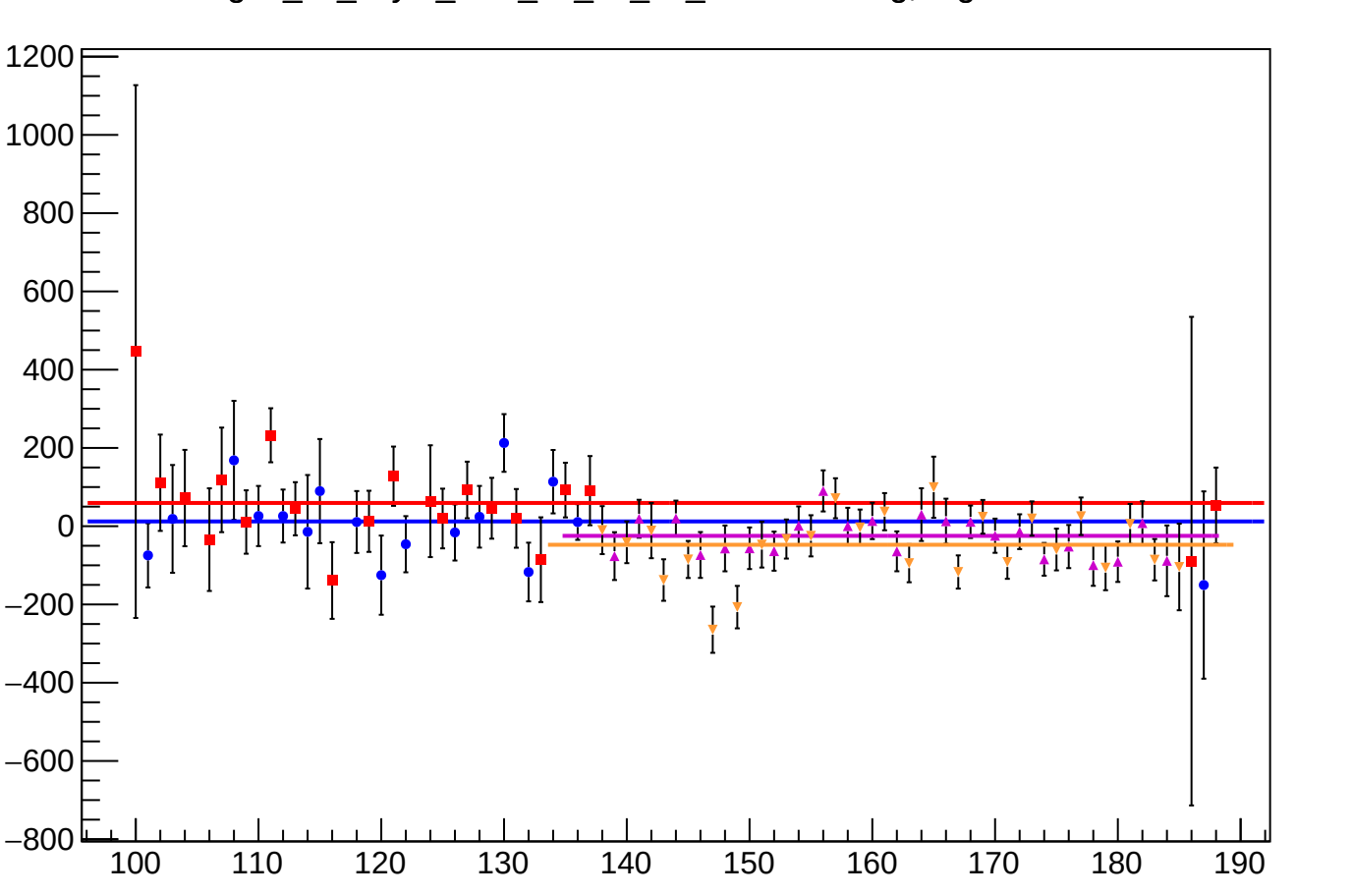
Left: 300.161+/-0.035 χ^2/NDF: 2836802.1/47

Right: 474.165+/-0.088 χ^2/NDF: 3220544.0/37

In: 323.820+/-0.047 χ^2/NDF:3921671.6/39

Out: 325.002+/-0.046 χ^2/NDF:5515512.4/45

All: 324.430+/-0.033 χ^2/NDF: 9437508.7/85



Right In: 12.149+/-19.781 χ^2/NDF: 17.7/16

Left Out: -47.480+/-10.392 χ^2/NDF:54.7/24

Right Out: 59.380+/-19.795 χ^2/NDF: 16.2/20

Left In: -24.687+/-10.660 χ^2/NDF:19.7/22

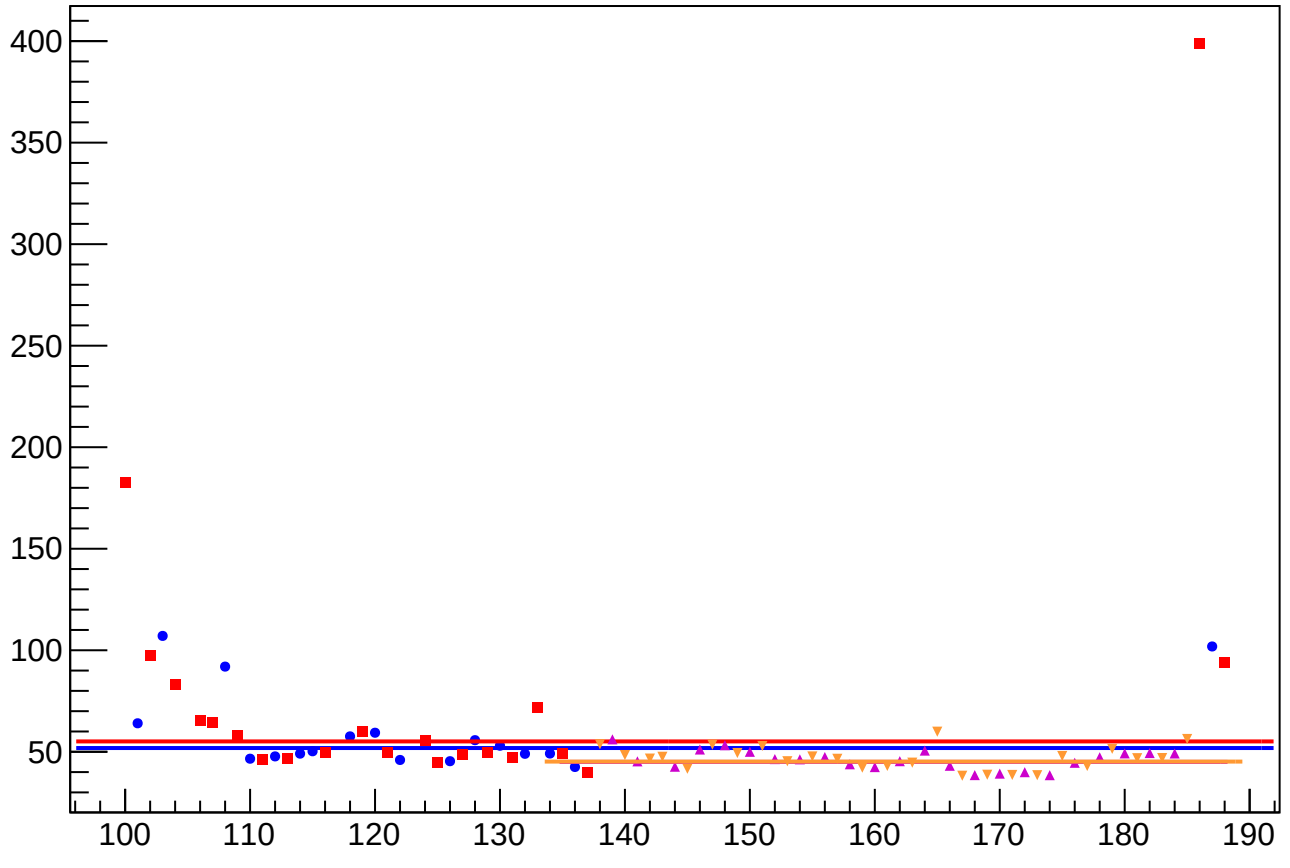
Left: -36.373+/-7.441 χ^2/NDF: 76.7/47

Right: 35.748+/-13.992 χ^2/NDF: 36.7/37

In: -16.397+/-9.384 χ^2/NDF:40.1/39

Out: -24.392+/-9.201 χ^2/NDF:93.7/45

All: -20.473+/-6.570 χ^2/NDF: 134.1/85



Right In: 51.850+/-0.014 χ^2/NDF: 755011.2/16

Left Out: 45.175+/-0.007 χ^2/NDF:489860.2/24

Right Out: 55.109+/-0.014 χ^2/NDF: 1666484.9/20

Left In: 45.017+/-0.008 χ^2/NDF:372691.9/22

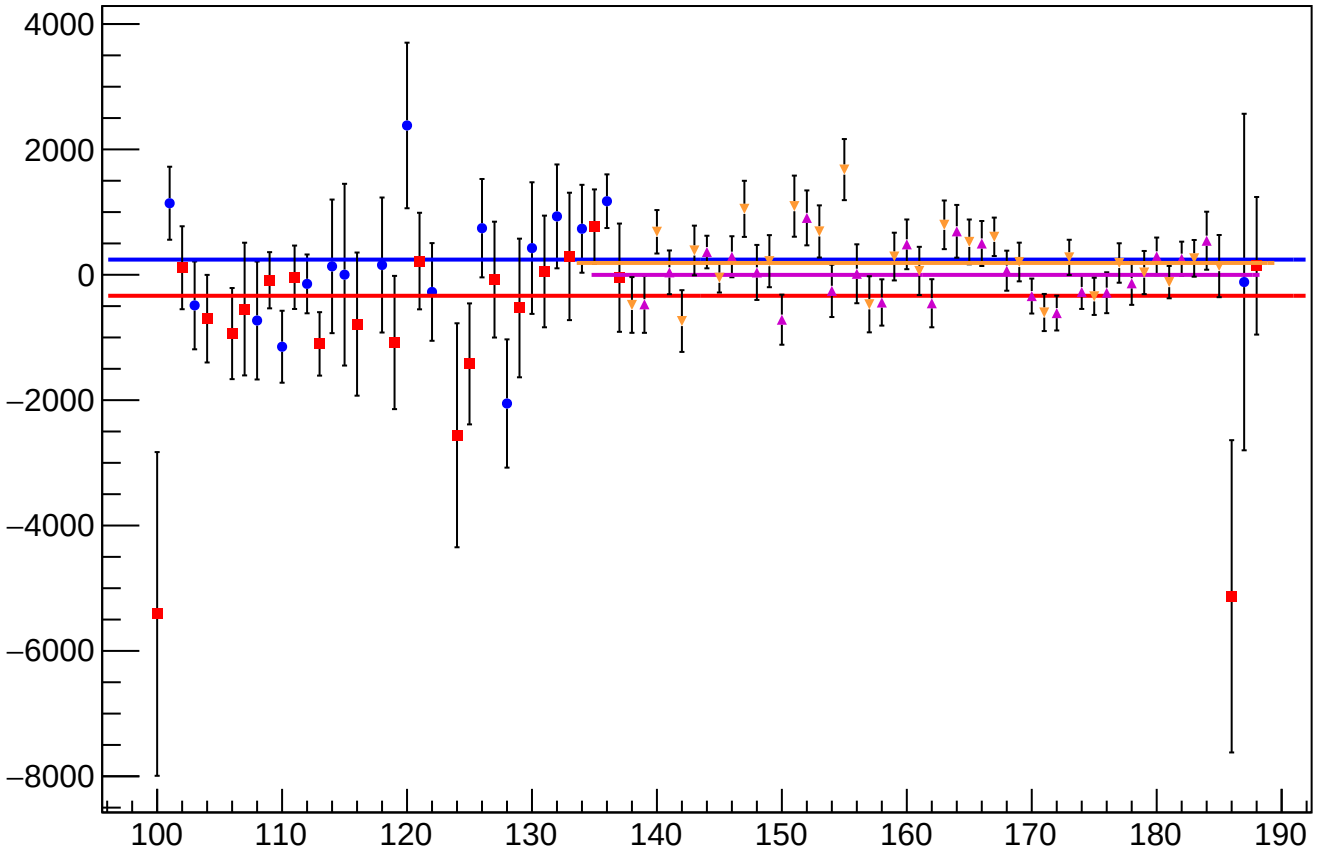
Left: 45.098+/-0.005 χ^2/NDF: 862776.2/47

Right: 53.478+/-0.010 χ^2/NDF: 2448623.6/37

In: 46.555+/-0.007 χ^2/NDF:1312589.9/39

Out: 47.321+/-0.007 χ^2/NDF:2551184.1/45

All: 46.946+/-0.005 χ^2/NDF: 3870573.9/85



Right In: 242.201+/-180.463 χ^2/NDF: 25.6/16

Left Out: 188.813+/-69.714 χ^2/NDF:46.8/24

Right Out: -334.954+/-171.094 χ^2/NDF: 20.4/20

Left In: -1.654+/-71.712 χ^2/NDF:32.2/22

Left: 96.270+/-49.987 χ^2/NDF: 82.6/47

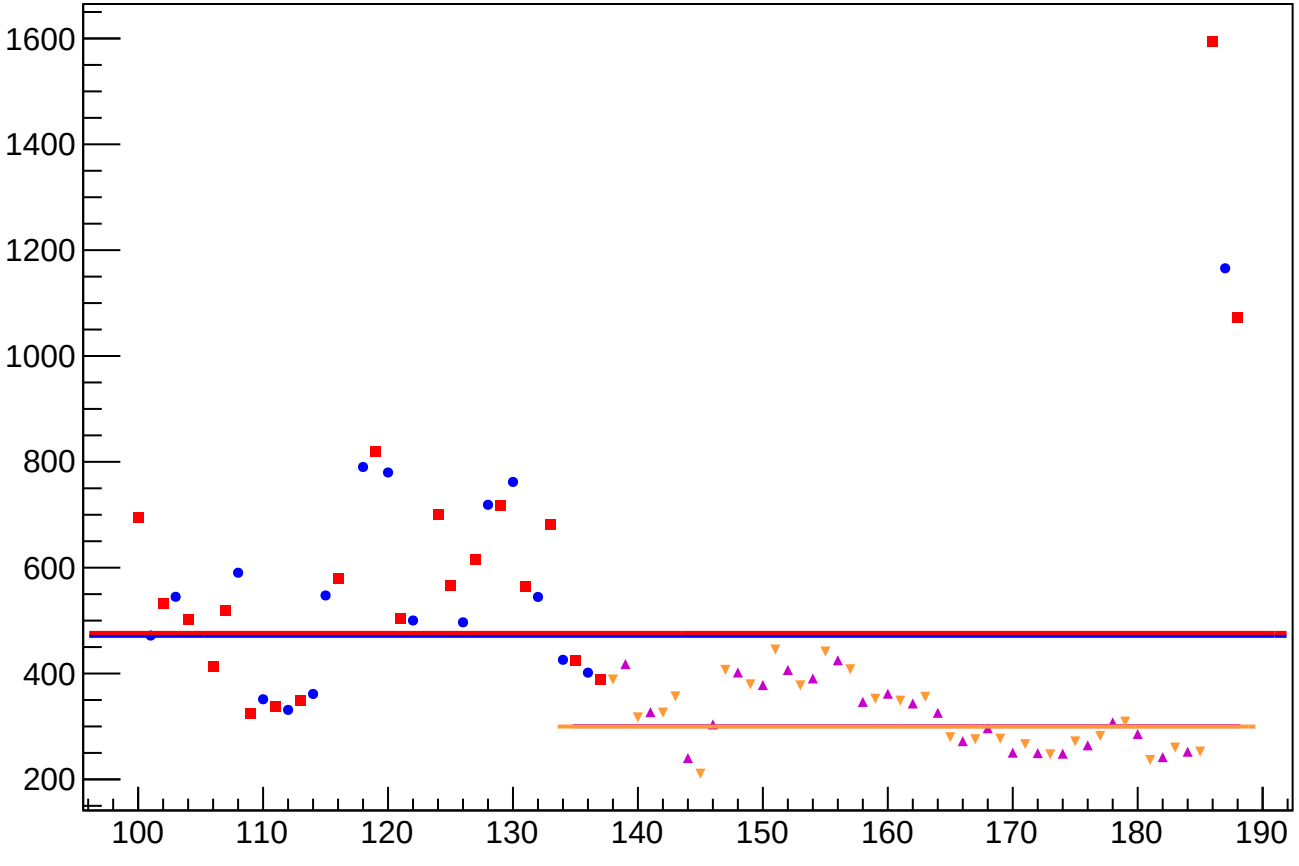
Right: -61.747+/-124.162 χ^2/NDF: 51.4/37

In: 31.602+/-66.643 χ^2/NDF:59.4/39

Out: 114.236+/-64.560 χ^2/NDF:75.2/45

All: 74.231+/-46.370 χ^2/NDF: 135.4/85

asym_sam_15_37_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 471.219+/-0.128 χ^2/NDF: 1117430.0/16

Left Out: 299.798+/-0.049 χ^2/NDF:1577421.4/24

Right Out: 476.812+/-0.121 χ^2/NDF: 2102097.5/20

Left In: 300.544+/-0.051 χ^2/NDF:1259265.2/22

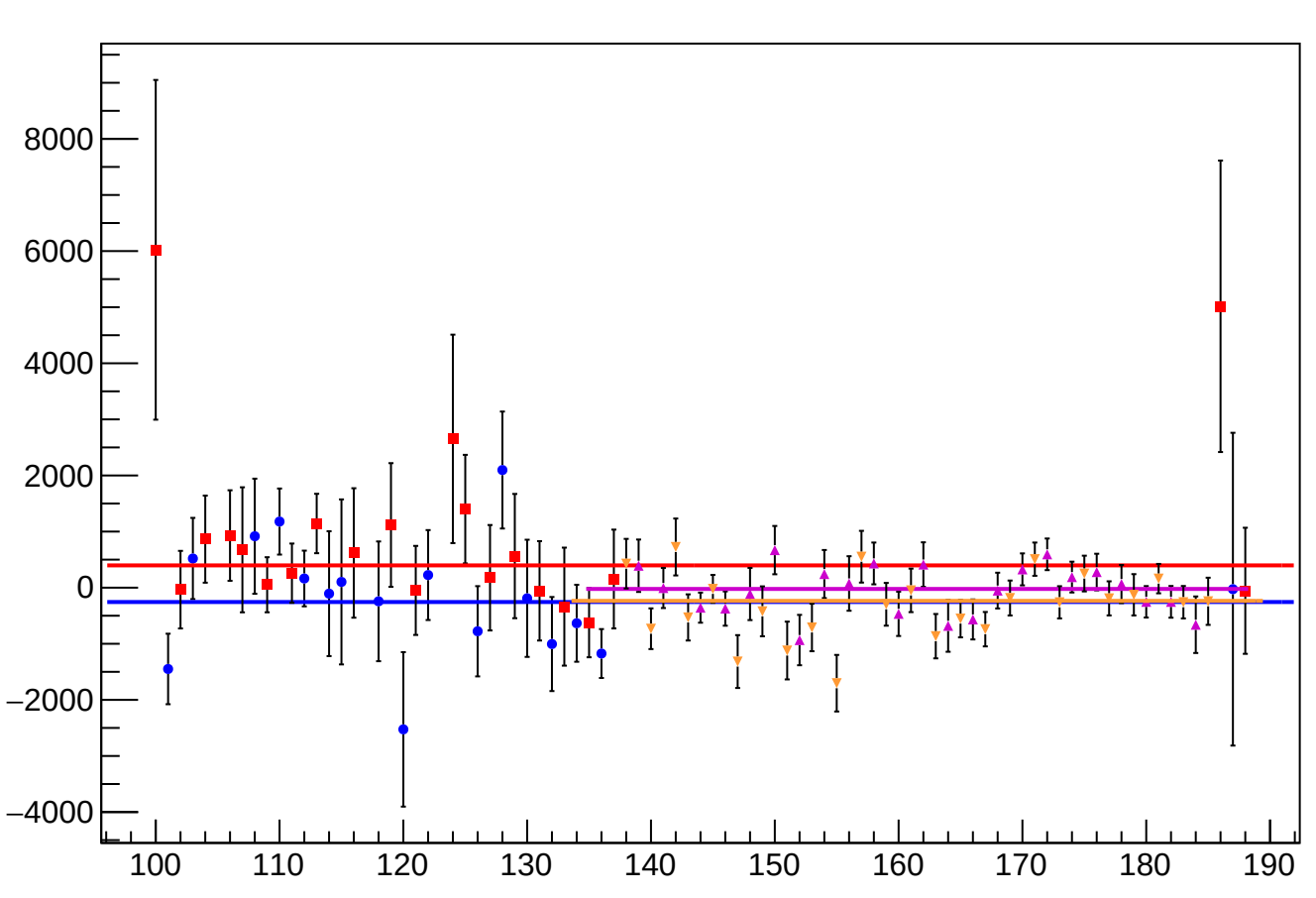
Left: 300.161+/-0.035 χ^2/NDF: 2836797.9/47

Right: 474.164+/-0.088 χ^2/NDF: 3220539.2/37

In: 323.820+/-0.047 χ^2/NDF:3921649.0/39

Out: 325.002+/-0.046 χ^2/NDF:5515492.7/45

All: 324.430+/-0.033 χ^2/NDF: 9437466.3/85



Right In: -255.725+/-186.046 χ^2/NDF: 26.9/16

Left Out: -235.168+/-70.741 χ^2/NDF:47.5/24

Right Out: 397.283+/-179.577 χ^2/NDF: 17.6/20

Left In: -22.662+/-72.642 χ^2/NDF:29.9/22

Left: -131.732+/-50.680 χ^2/NDF: 81.7/47

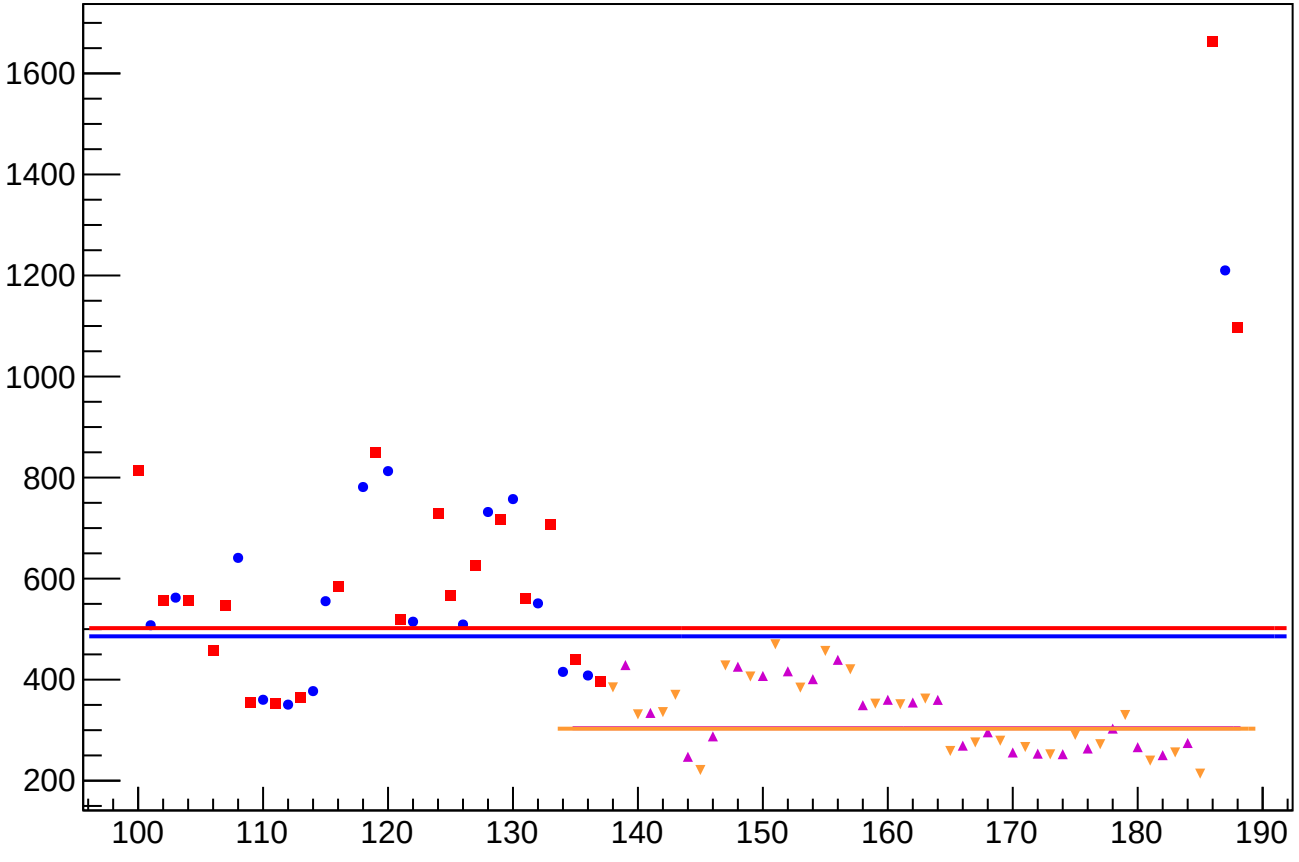
Right: 82.329+/-129.207 χ^2/NDF: 50.9/37

In: -53.493+/-67.667 χ^2/NDF:58.1/39

Out: -150.207+/-65.818 χ^2/NDF:75.8/45

All: -103.189+/-47.181 χ^2/NDF: 135.0/85

asym_sam_15_37_dd_rms vs Slug, Sign Corrected



Right In: 485.752+/-0.132 χ^2/NDF: 1082135.7/16

Left Out: 302.944+/-0.050 χ^2/NDF:1766061.8/24

Right Out: 501.976+/-0.127 χ^2/NDF: 1983394.2/20

Left In: 303.923+/-0.051 χ^2/NDF:1376278.3/22

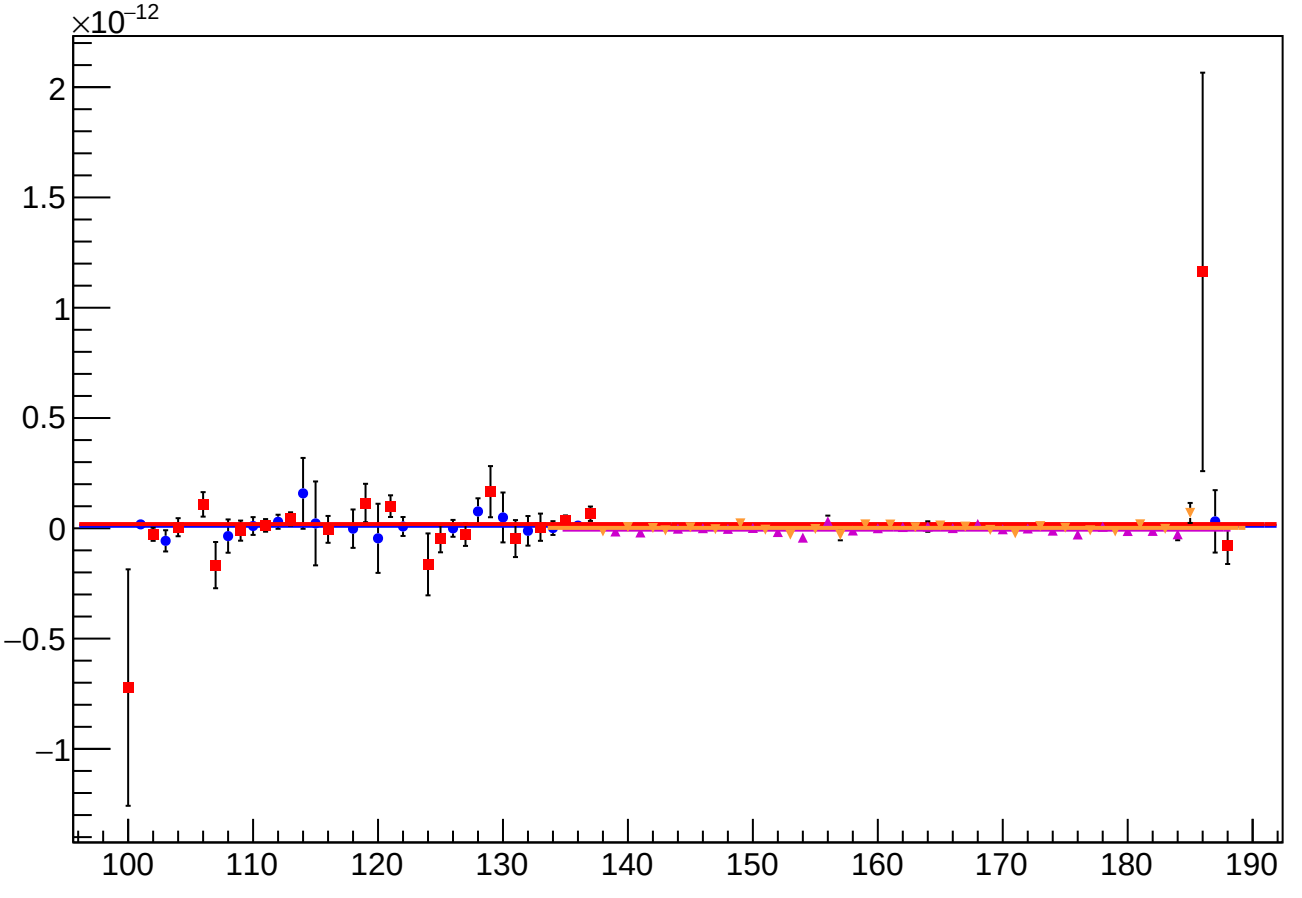
Left: 303.420+/-0.036 χ^2/NDF: 3142526.7/47

Right: 494.151+/-0.091 χ^2/NDF: 3073403.1/37

In: 327.976+/-0.048 χ^2/NDF:4116069.9/39

Out: 329.681+/-0.047 χ^2/NDF:5876247.8/45

All: 328.852+/-0.033 χ^2/NDF: 9992969.5/85



Right In: 0.000+/-0.000 χ^2/NDF: 5.5/16

Left Out: 0.000+/-0.000 χ^2/NDF:22.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 26.7/20

Left In: -0.000+/-0.000 χ^2/NDF:18.2/22

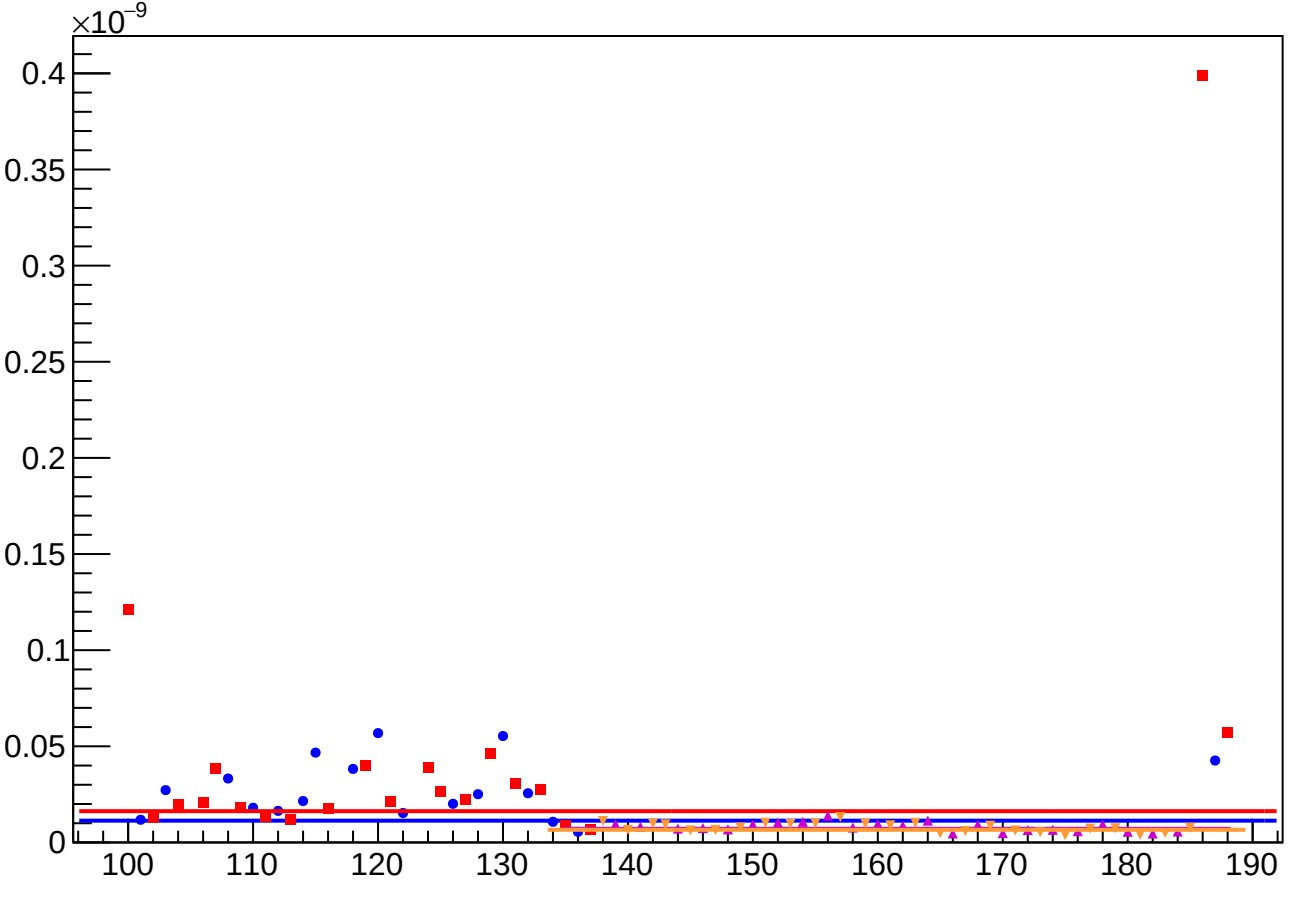
Left: -0.000+/-0.000 χ^2/NDF: 45.3/47

Right: 0.000+/-0.000 χ^2/NDF: 32.5/37

In: -0.000+/-0.000 χ^2/NDF:27.9/39

Out: 0.000+/-0.000 χ^2/NDF:52.3/45

All: -0.000+/-0.000 χ^2/NDF: 83.9/85



Right In: 0.000+/-0.000 χ^2/NDF: 2201118.3/16

Left Out: 0.000+/-0.000 χ^2/NDF:1479029.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2031639.3/20

Left In: 0.000+/-0.000 χ^2/NDF:981529.7/22

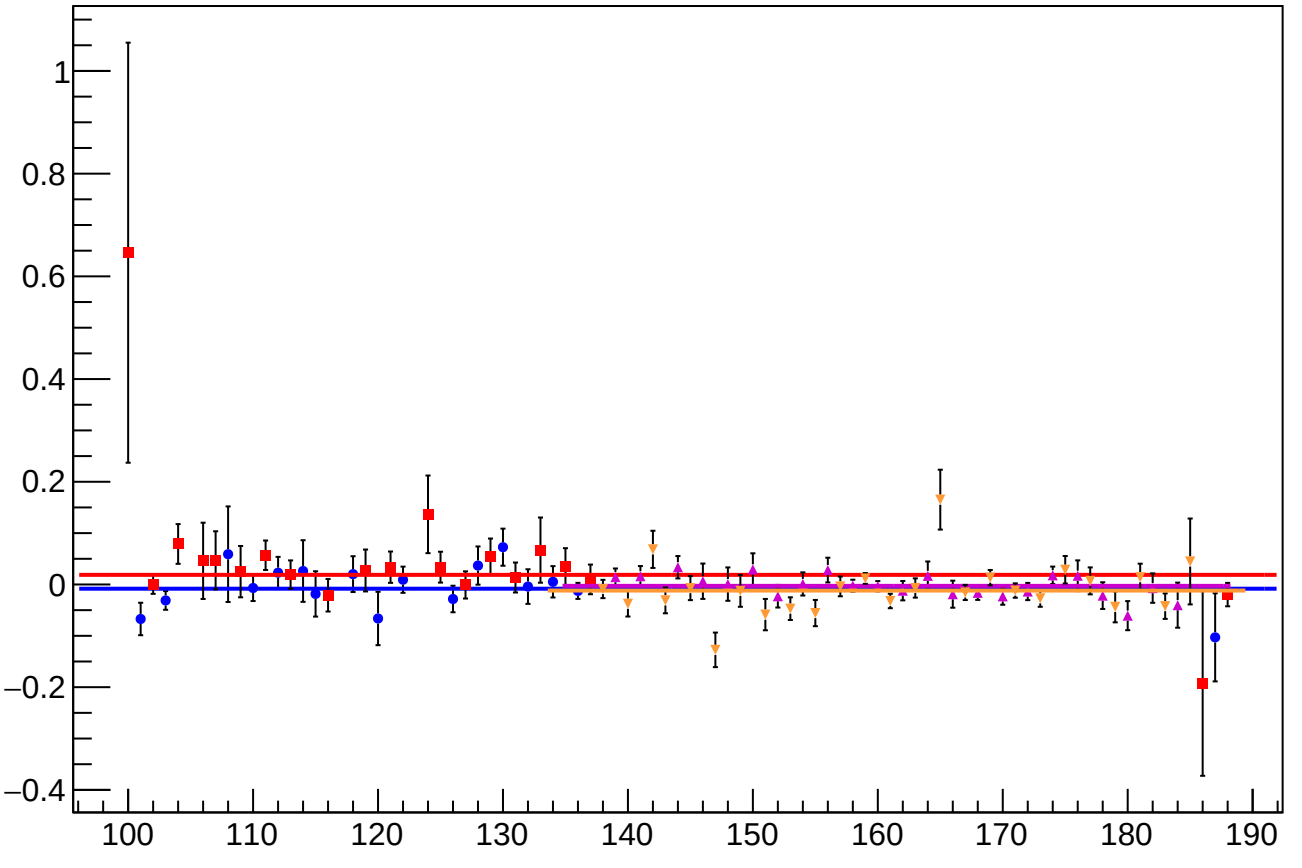
Left: 0.000+/-0.000 χ^2/NDF: 2496461.4/47

Right: 0.000+/-0.000 χ^2/NDF: 4524798.9/37

In: 0.000+/-0.000 χ^2/NDF:3682101.0/39

Out: 0.000+/-0.000 χ^2/NDF:5211232.7/45

All: 0.000+/-0.000 χ^2/NDF: 8915580.8/85



Right In: -0.008+/-0.007 χ^2/NDF: 17.9/16

Left Out: -0.012+/-0.004 χ^2/NDF:53.4/24

Right Out: 0.019+/-0.007 χ^2/NDF: 19.3/20

Left In: -0.003+/-0.004 χ^2/NDF:19.8/22

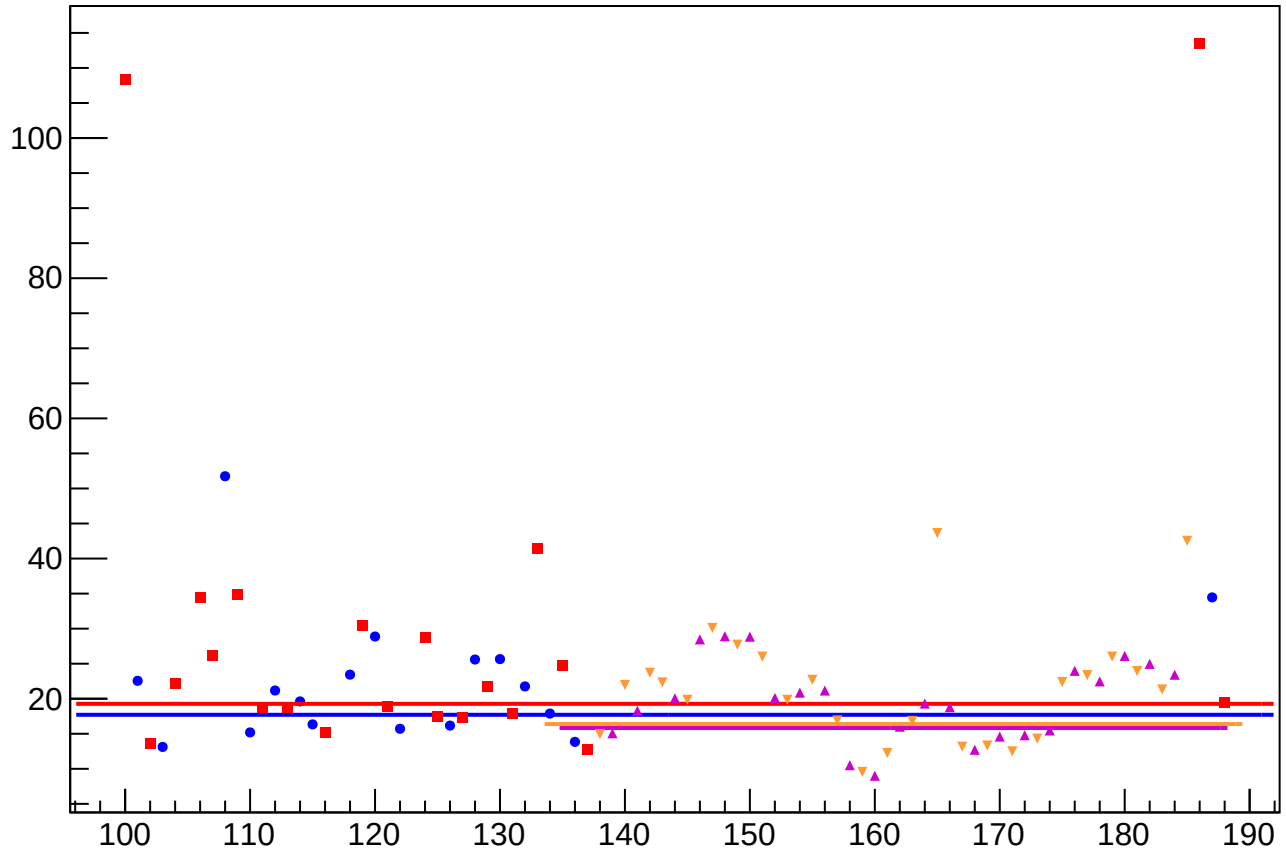
Left: -0.007+/-0.003 χ^2/NDF: 75.7/47

Right: 0.005+/-0.005 χ^2/NDF: 44.1/37

In: -0.004+/-0.004 χ^2/NDF:38.1/39

Out: -0.005+/-0.004 χ^2/NDF:86.0/45

All: -0.004+/-0.003 χ^2/NDF: 124.1/85



Right In: 17.709+/-0.005 χ^2/NDF: 1070029.3/16

Left Out: 16.387+/-0.003 χ^2/NDF:4030028.3/24

Right Out: 19.271+/-0.005 χ^2/NDF: 1798652.7/20

Left In: 15.824+/-0.003 χ^2/NDF:3654469.7/22

Left: 16.104+/-0.002 χ^2/NDF: 7703852.9/47

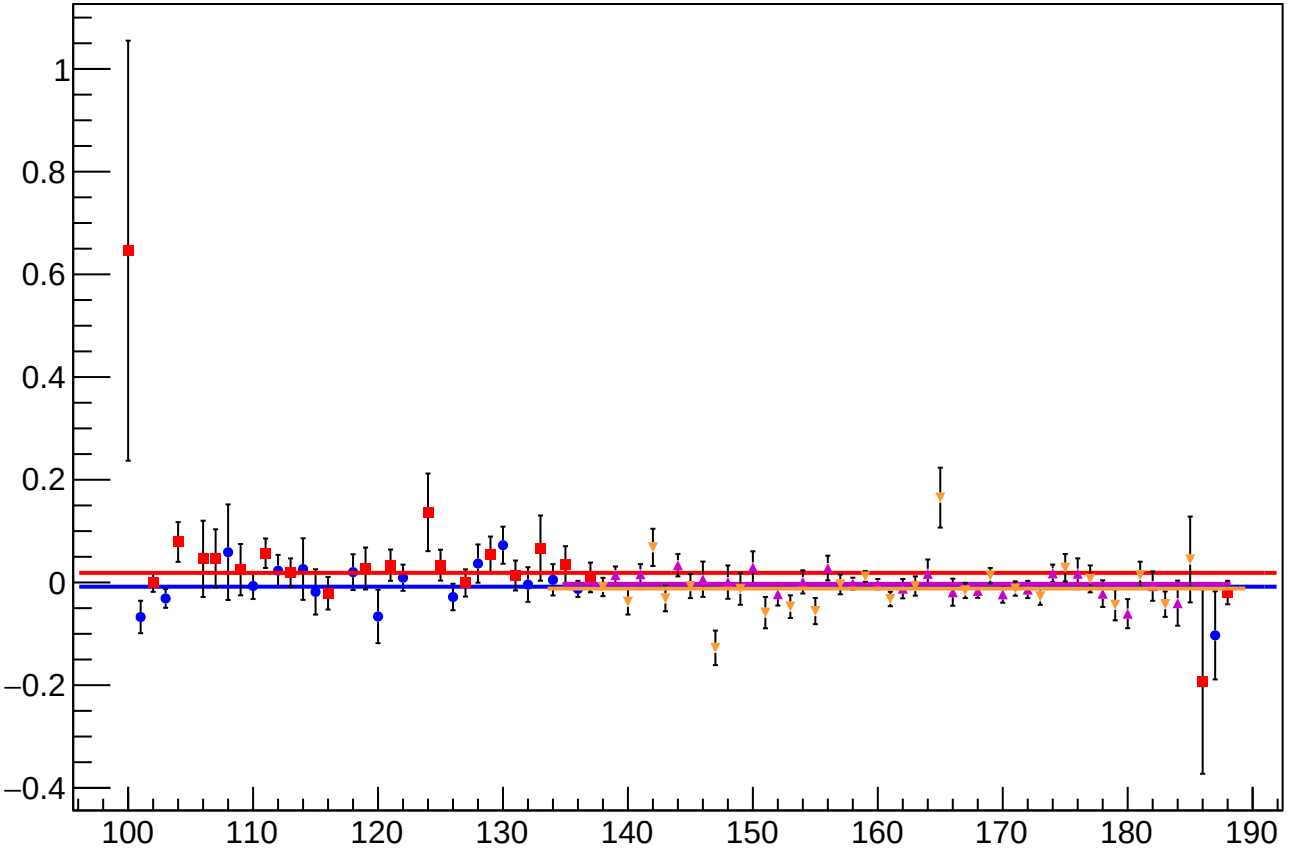
Right: 18.474+/-0.004 χ^2/NDF: 2915079.4/37

In: 16.278+/-0.002 χ^2/NDF:4829386.4/39

Out: 17.067+/-0.003 χ^2/NDF:6065602.9/45

All: 16.668+/-0.002 χ^2/NDF: 10944743.4/85

asym_sam_15_37_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.008+/-0.007 χ^2/NDF: 17.9/16

Left Out: -0.012+/-0.004 χ^2/NDF:53.4/24

Right Out: 0.019+/-0.007 χ^2/NDF: 19.3/20

Left In: -0.003+/-0.004 χ^2/NDF:19.8/22

Left: -0.007+/-0.003 χ^2/NDF: 75.7/47

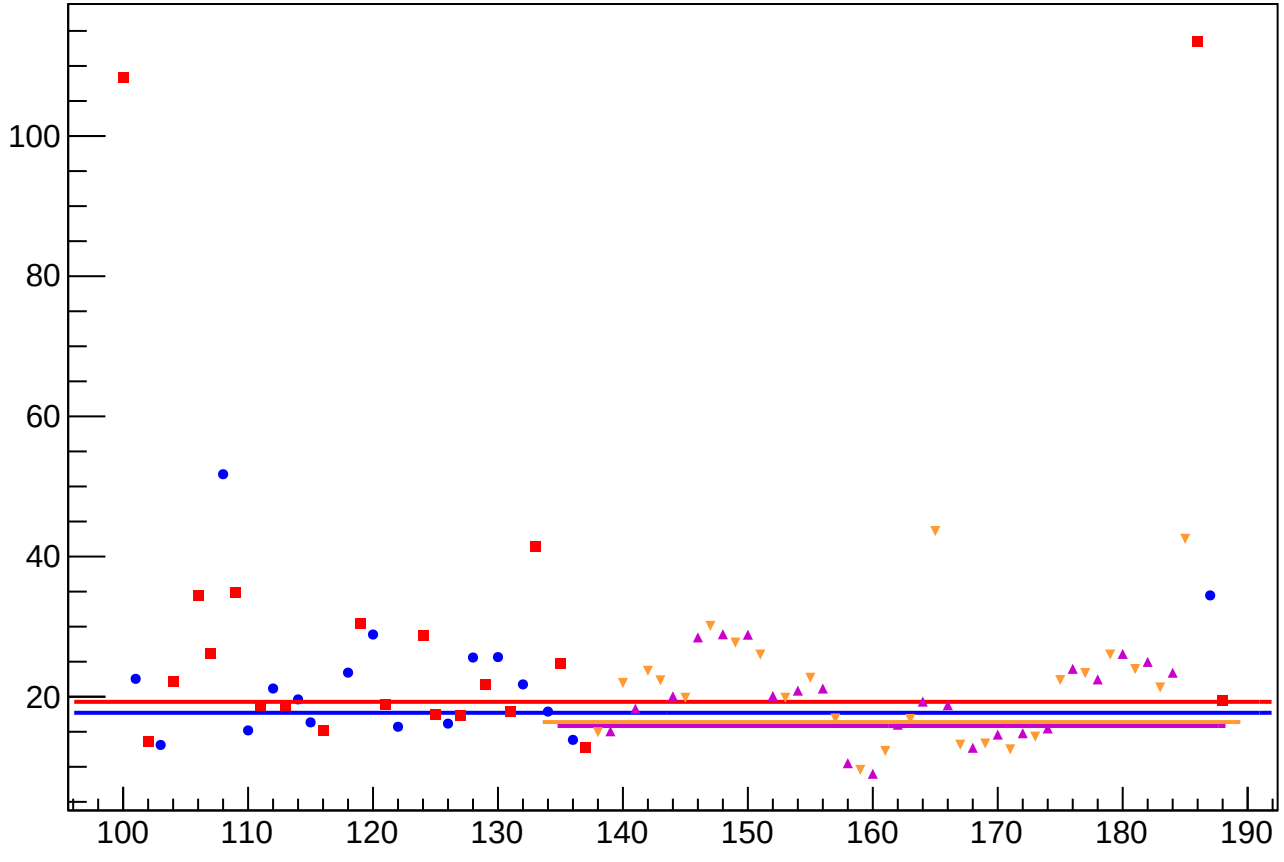
Right: 0.005+/-0.005 χ^2/NDF: 44.1/37

In: -0.004+/-0.004 χ^2/NDF:38.1/39

Out: -0.005+/-0.004 χ^2/NDF:86.0/45

All: -0.004+/-0.003 χ^2/NDF: 124.1/85

asym_sam_15_37_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 17.709+/-0.005 χ^2/NDF: 1070029.3/16

Left Out: 16.387+/-0.003 χ^2/NDF:4030028.3/24

Right Out: 19.271+/-0.005 χ^2/NDF: 1798652.7/20

Left In: 15.824+/-0.003 χ^2/NDF:3654469.7/22

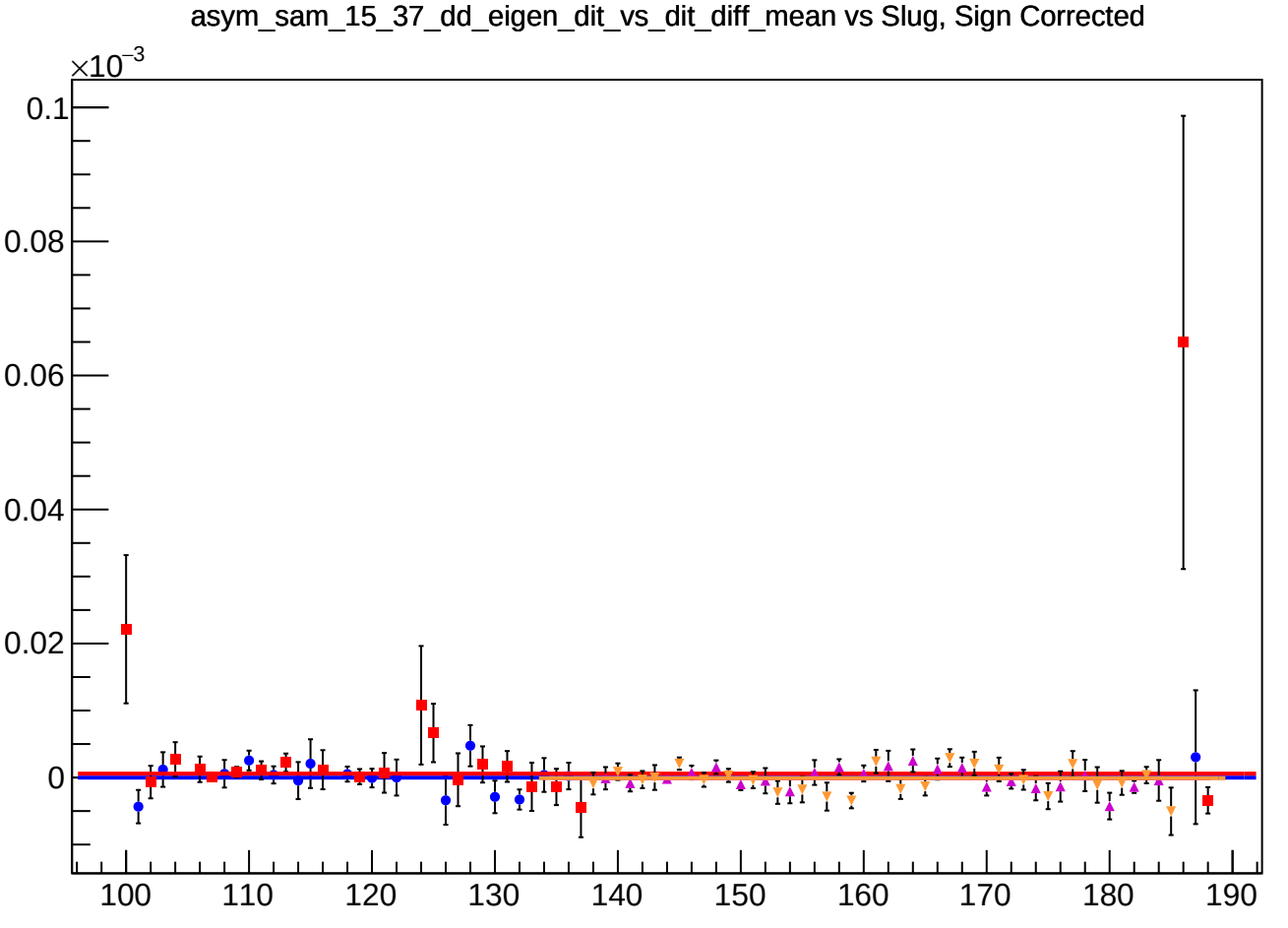
Left: 16.104+/-0.002 χ^2/NDF: 7703852.9/47

Right: 18.474+/-0.004 χ^2/NDF: 2915079.4/37

In: 16.278+/-0.002 χ^2/NDF:4829386.4/39

Out: 17.067+/-0.003 χ^2/NDF:6065602.9/45

All: 16.668+/-0.002 χ^2/NDF: 10944743.4/85



Right In: -0.000+/-0.000 χ^2/NDF: 16.6/16

Left Out: -0.000+/-0.000 χ^2/NDF:36.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 20.7/20

Left In: -0.000+/-0.000 χ^2/NDF:21.9/22

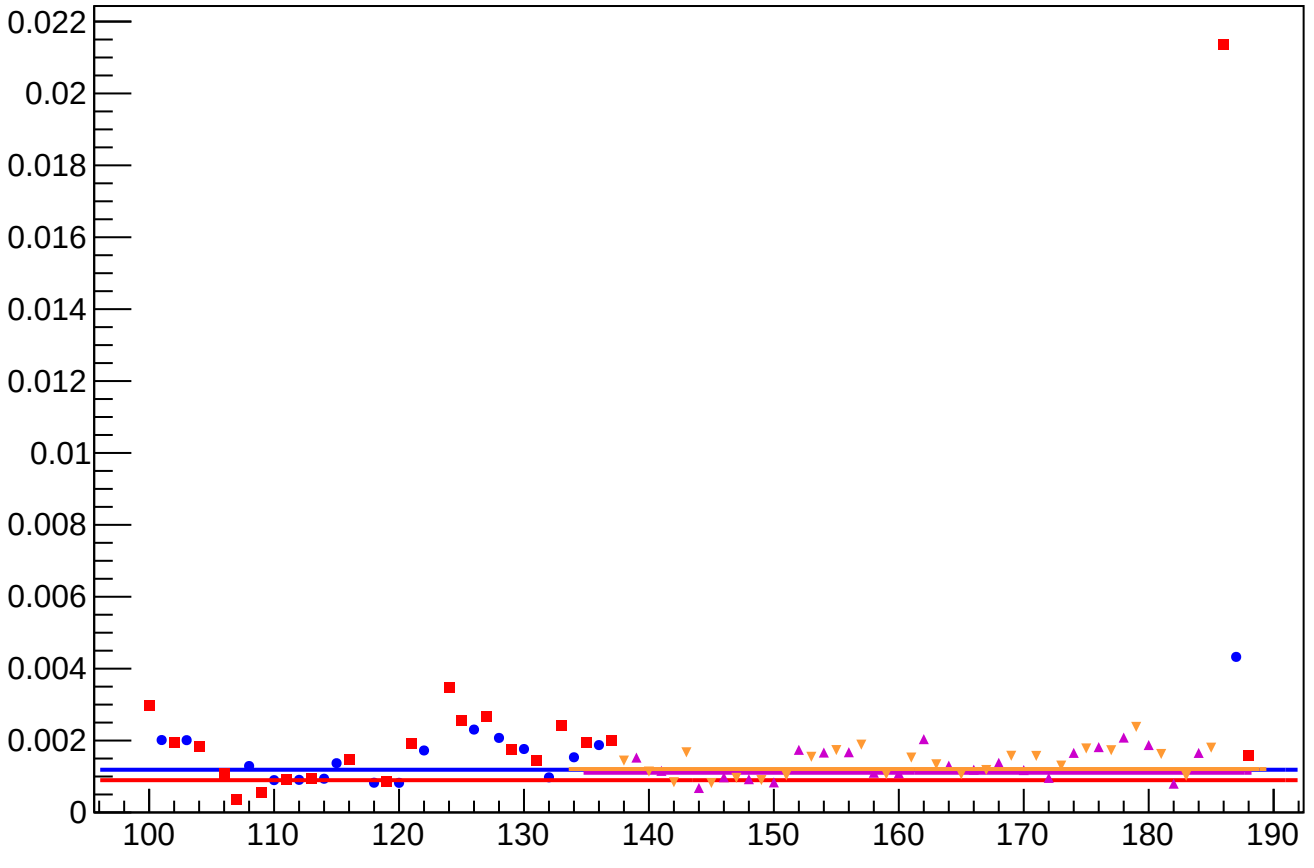
Left: -0.000+/-0.000 χ^2/NDF: 58.1/47

Right: 0.000+/-0.000 χ^2/NDF: 38.3/37

In: -0.000+/-0.000 χ^2/NDF:38.6/39

Out: 0.000+/-0.000 χ^2/NDF:58.9/45

All: 0.000+/-0.000 χ^2/NDF: 98.0/85



Right In: 0.001+/-0.000 χ^2/NDF: 2026506.0/16

Left Out: 0.001+/-0.000 χ^2/NDF:2720984.6/24

Right Out: 0.001+/-0.000 χ^2/NDF: 5420555.8/20

Left In: 0.001+/-0.000 χ^2/NDF:3494983.4/22

Left: 0.001+/-0.000 χ^2/NDF: 6352461.8/47

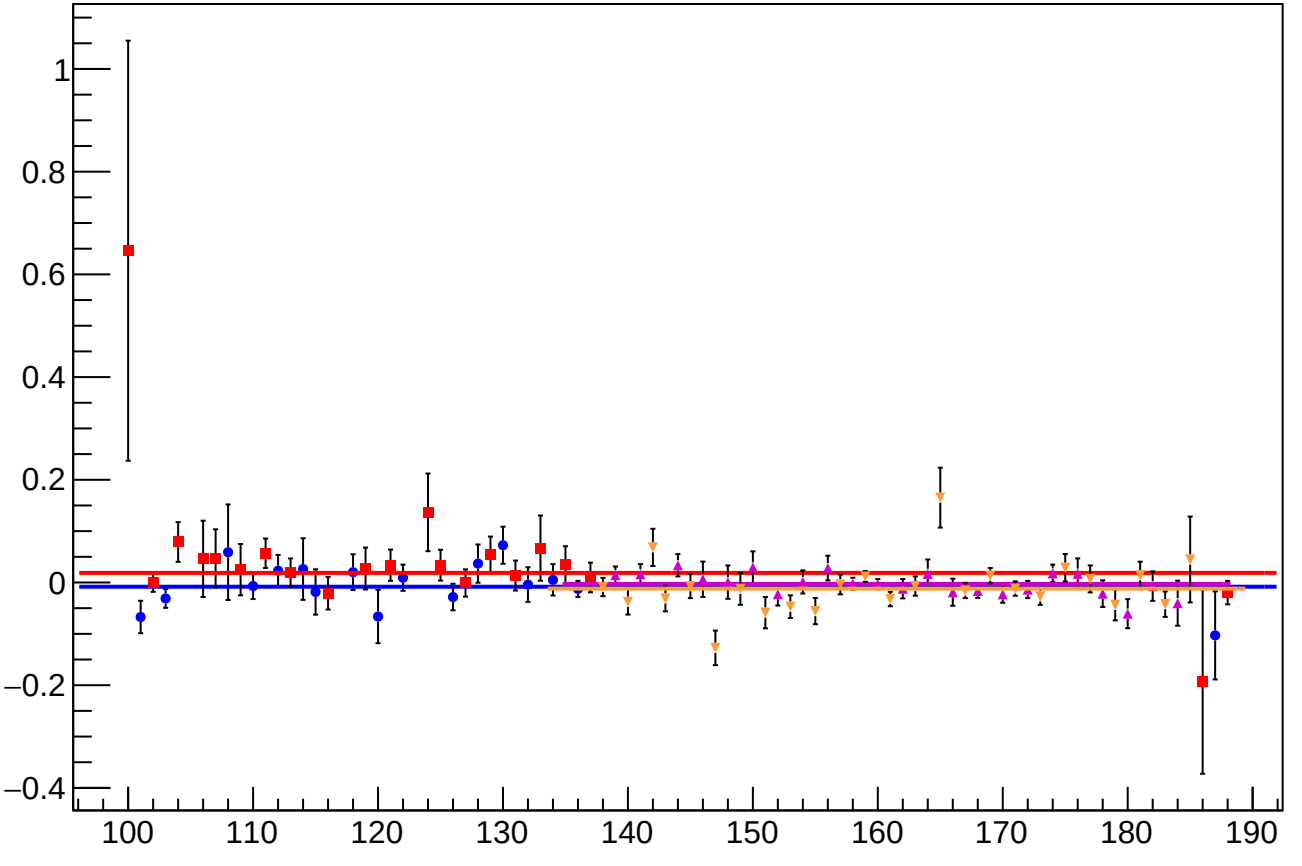
Right: 0.001+/-0.000 χ^2/NDF: 7911670.1/37

In: 0.001+/-0.000 χ^2/NDF:5569043.1/39

Out: 0.001+/-0.000 χ^2/NDF:9002930.0/45

All: 0.001+/-0.000 χ^2/NDF: 14591994.1/85

asym_sam_15_37_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.008+/-0.007 χ^2/NDF: 17.9/16

Left Out: -0.012+/-0.004 χ^2/NDF:53.4/24

Right Out: 0.019+/-0.007 χ^2/NDF: 19.3/20

Left In: -0.003+/-0.004 χ^2/NDF:19.8/22

Left: -0.007+/-0.003 χ^2/NDF: 75.7/47

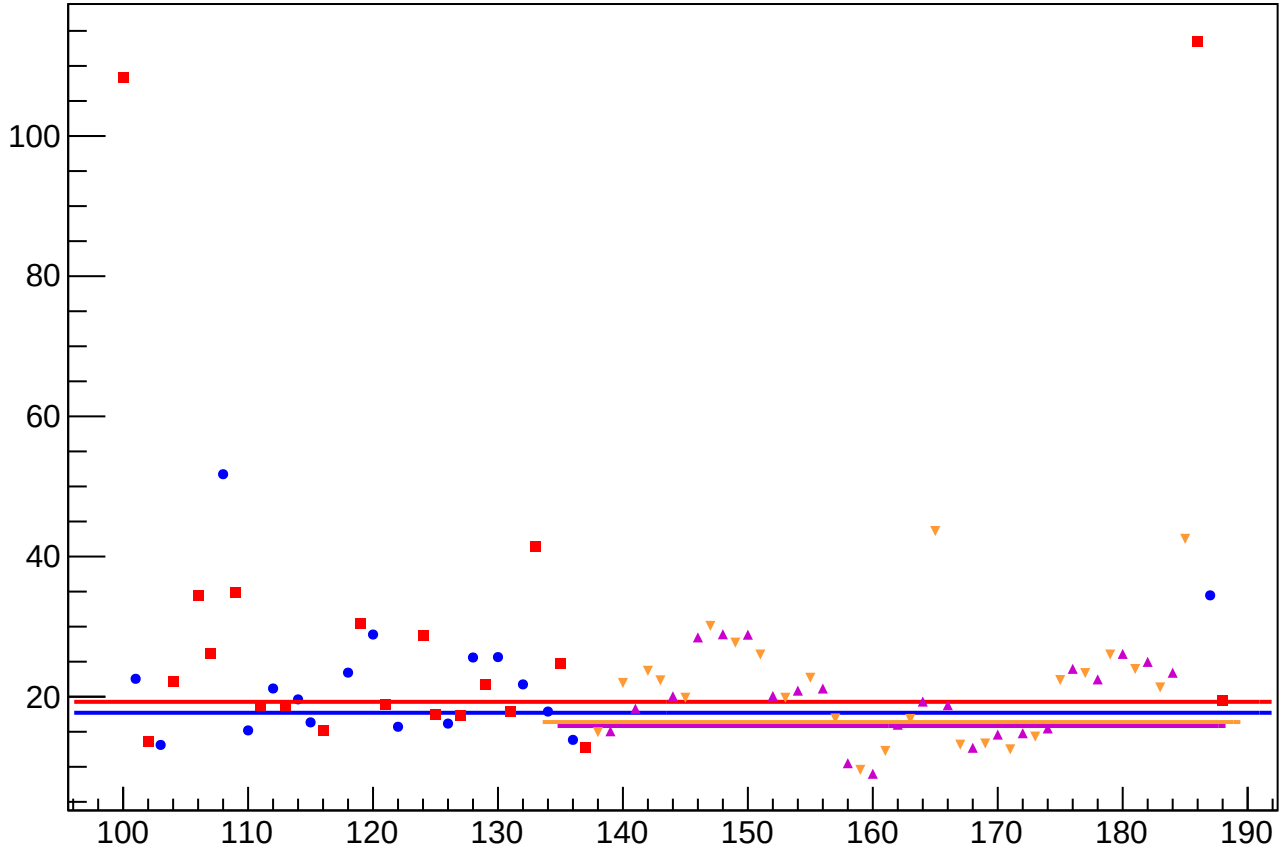
Right: 0.005+/-0.005 χ^2/NDF: 44.1/37

In: -0.004+/-0.004 χ^2/NDF:38.1/39

Out: -0.005+/-0.004 χ^2/NDF:86.0/45

All: -0.004+/-0.003 χ^2/NDF: 124.1/85

asym_sam_15_37_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 17.709+/-0.005 χ^2/NDF: 1070088.7/16

Left Out: 16.387+/-0.003 χ^2/NDF:4030277.2/24

Right Out: 19.272+/-0.005 χ^2/NDF: 1798562.8/20

Left In: 15.823+/-0.003 χ^2/NDF:3654834.3/22

Left: 16.104+/-0.002 χ^2/NDF: 7704470.7/47

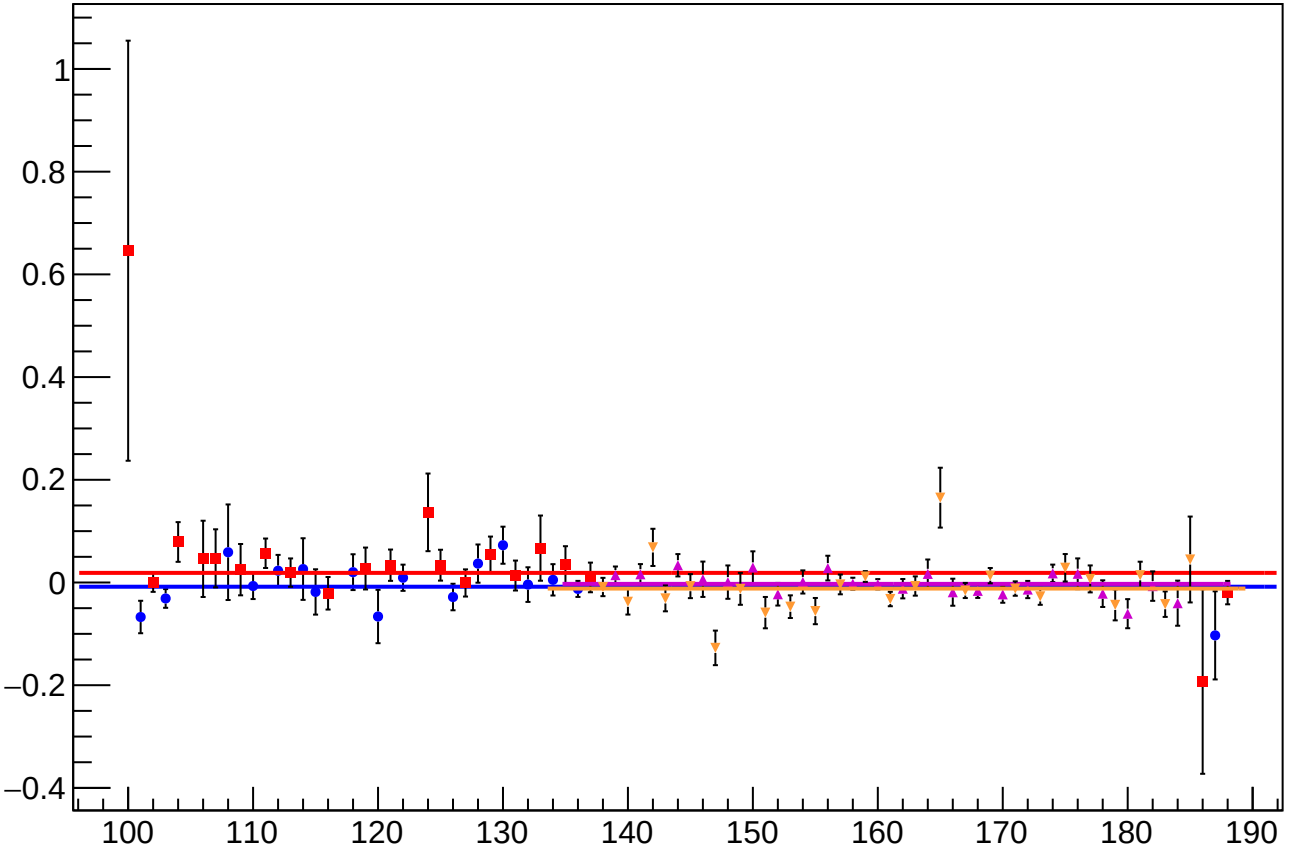
Right: 18.474+/-0.004 χ^2/NDF: 2915074.0/37

In: 16.277+/-0.002 χ^2/NDF:4829846.3/39

Out: 17.067+/-0.003 χ^2/NDF:6065872.4/45

All: 16.668+/-0.002 χ^2/NDF: 10945489.0/85

asym_sam_15_37_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.008+/-0.007 χ^2/NDF: 17.9/16

Left Out: -0.012+/-0.004 χ^2/NDF:53.4/24

Right Out: 0.019+/-0.007 χ^2/NDF: 19.3/20

Left In: -0.003+/-0.004 χ^2/NDF:19.8/22

Left: -0.007+/-0.003 χ^2/NDF: 75.7/47

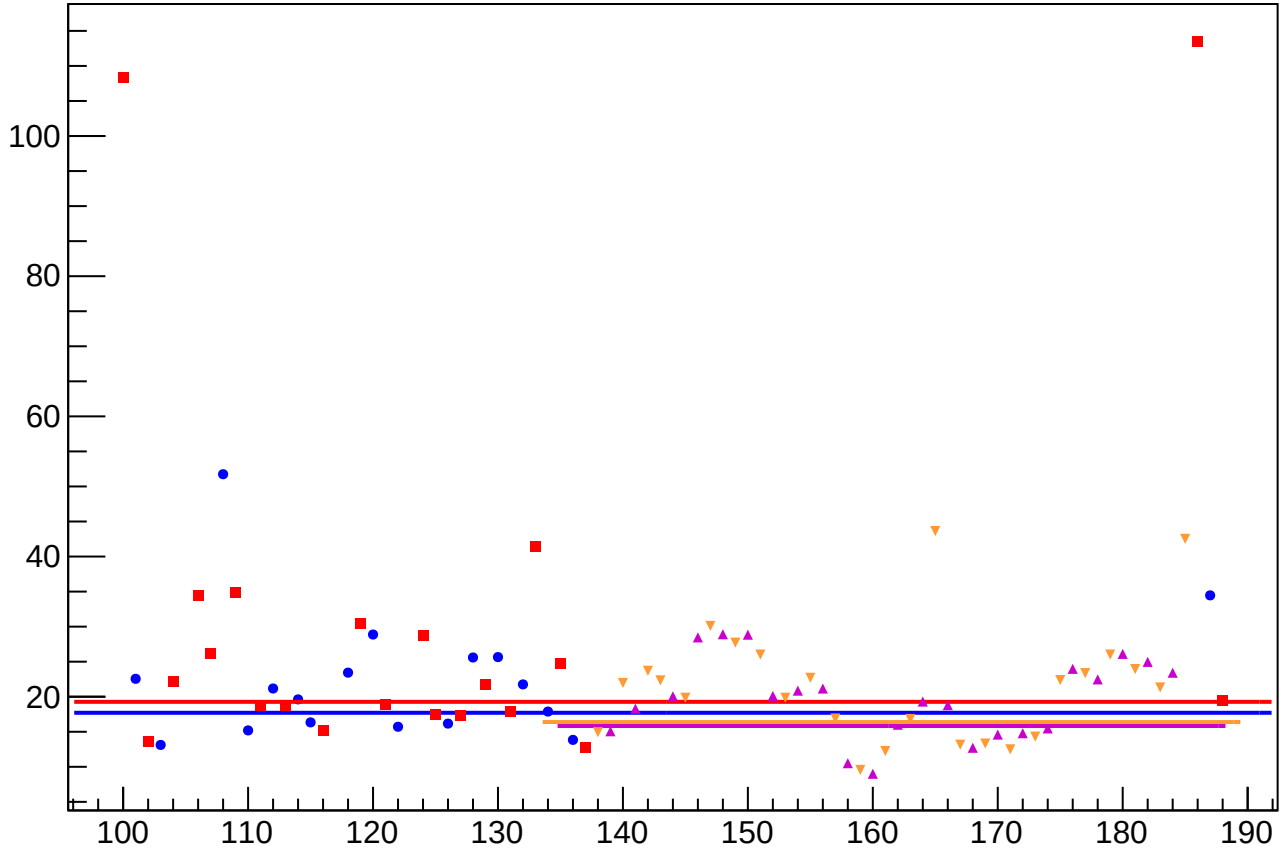
Right: 0.005+/-0.005 χ^2/NDF: 44.1/37

In: -0.004+/-0.004 χ^2/NDF:38.1/39

Out: -0.005+/-0.004 χ^2/NDF:86.0/45

All: -0.004+/-0.003 χ^2/NDF: 124.1/85

asym_sam_15_37_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 17.709+/-0.005 χ^2/NDF: 1070088.7/16

Left Out: 16.387+/-0.003 χ^2/NDF:4030277.2/24

Right Out: 19.272+/-0.005 χ^2/NDF: 1798562.8/20

Left In: 15.823+/-0.003 χ^2/NDF:3654834.3/22

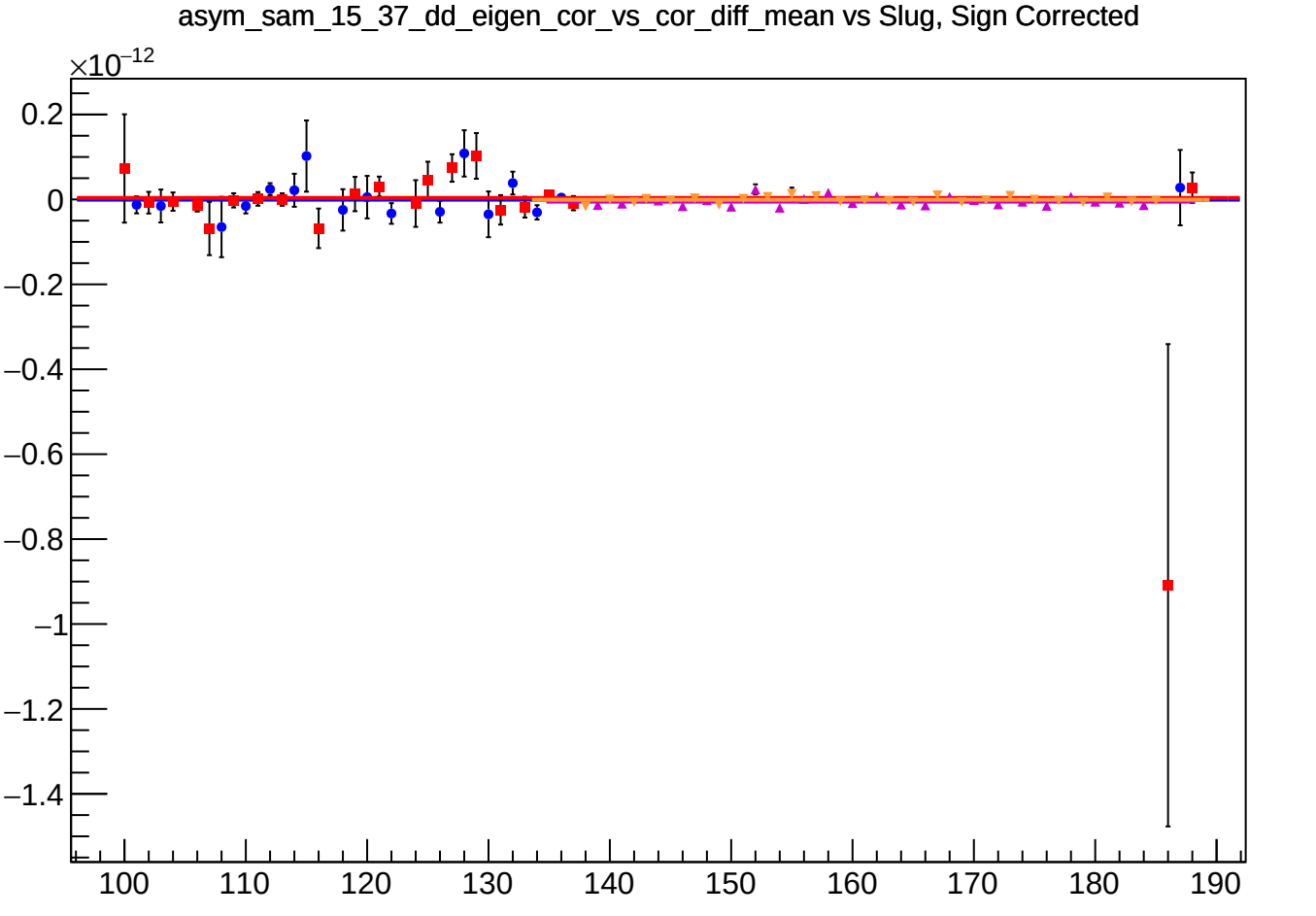
Left: 16.104+/-0.002 χ^2/NDF: 7704470.7/47

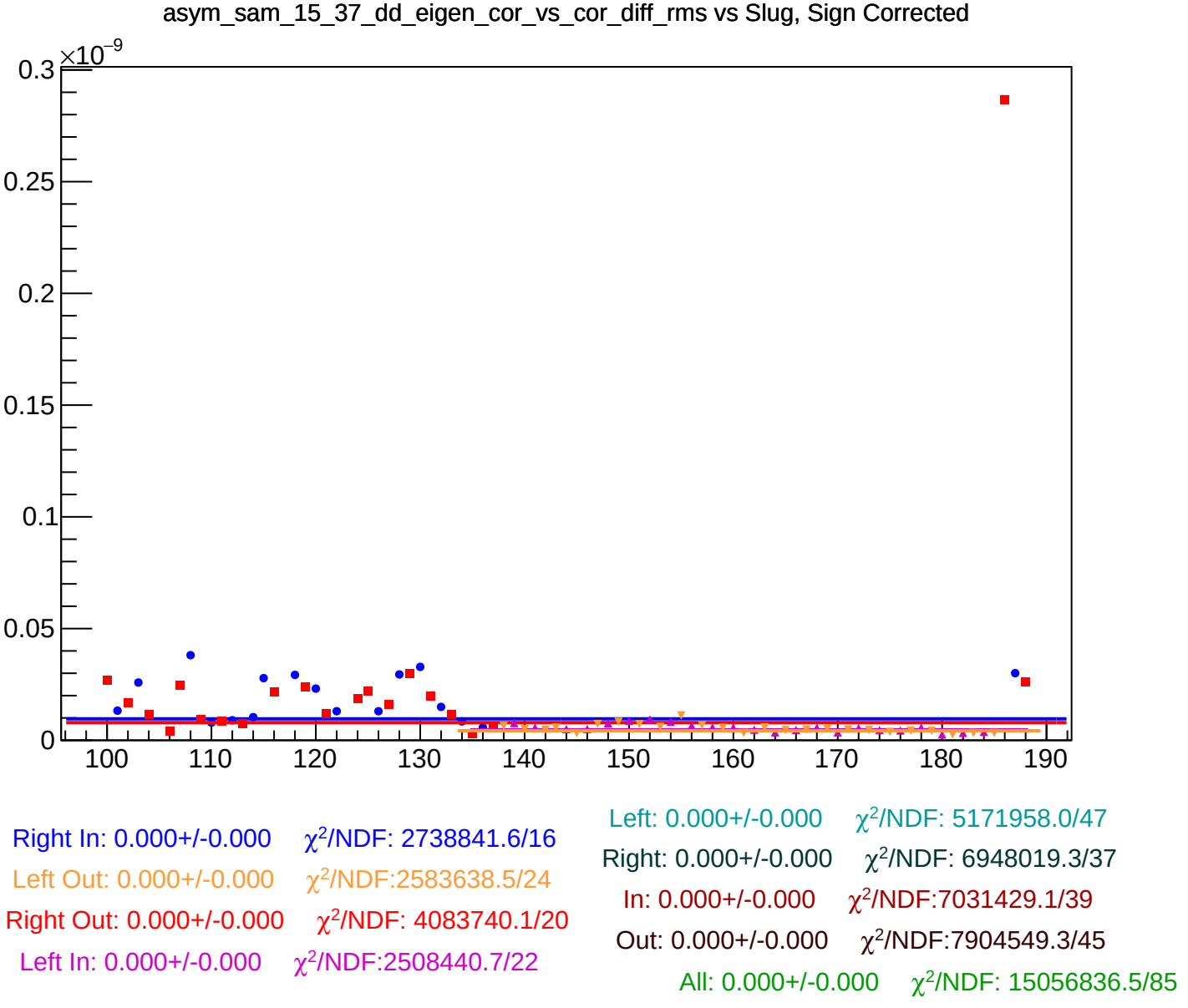
Right: 18.474+/-0.004 χ^2/NDF: 2915074.0/37

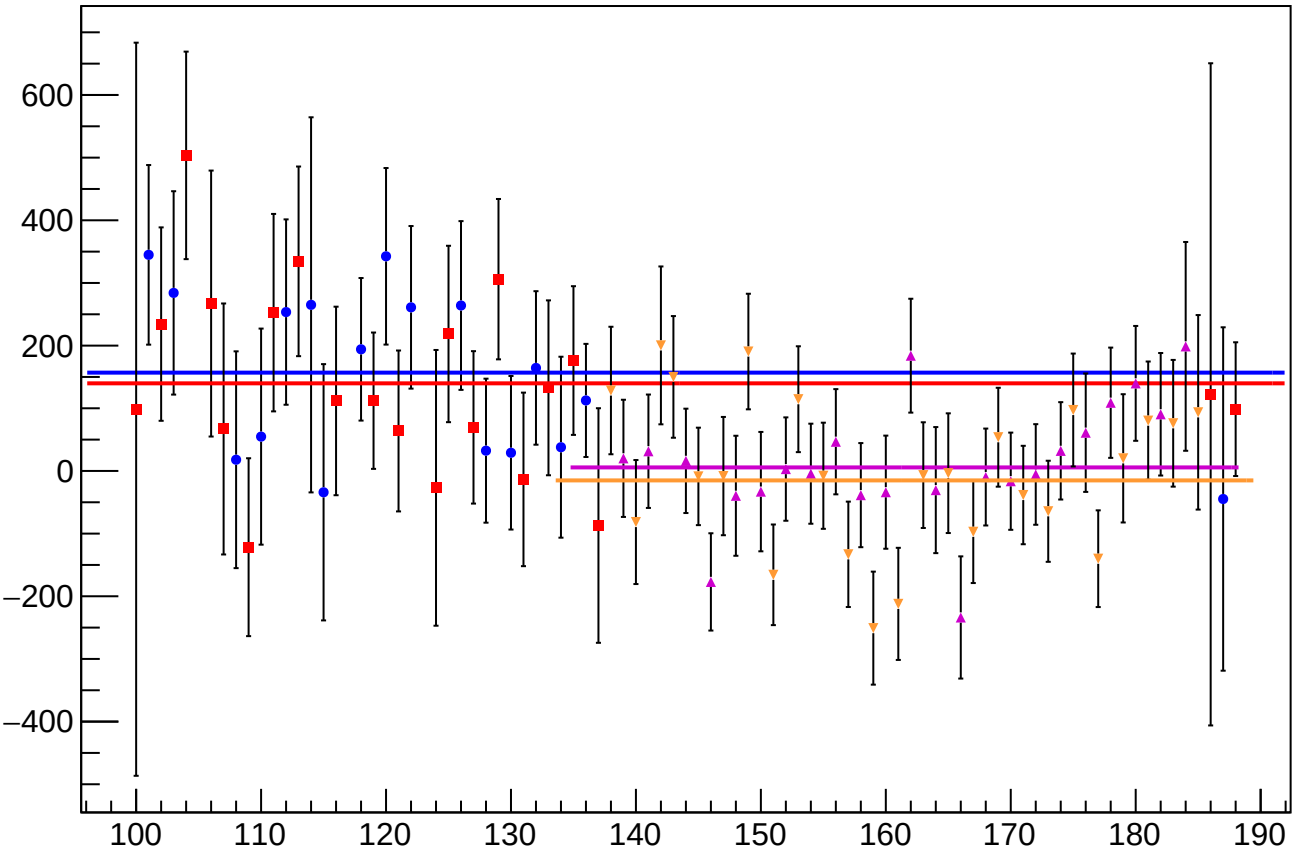
In: 16.277+/-0.002 χ^2/NDF:4829846.3/39

Out: 17.067+/-0.003 χ^2/NDF:6065872.4/45

All: 16.668+/-0.002 χ^2/NDF: 10945489.0/85


asym_sam_15_37_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
−1.4
100
110
120
130
140
150
160
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 20.4/16
Left Out: -0.000+/-0.000 χ²/NDF:19.1/24
Right Out: 0.000+/-0.000 χ²/NDF: 22.2/20
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: 43.0/37
In: -0.000+/-0.000 χ²/NDF:59.1/39
Out: -0.000+/-0.000 χ²/NDF:42.2/45
All: -0.000+/-0.000 χ²/NDF: 107.7/85


asym_sam_15_37_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.3
0.25
0.2
0.15
0.1
0.05
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 2738841.6/16
Left Out: 0.000+/-0.000 χ²/NDF:2583638.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 4083740.1/20
Left In: 0.000+/-0.000 χ²/NDF:2508440.7/22
Left: 0.000+/-0.000 χ²/NDF: 5171958.0/47
Right: 0.000+/-0.000 χ²/NDF: 6948019.3/37
In: 0.000+/-0.000 χ²/NDF:7031429.1/39
Out: 0.000+/-0.000 χ²/NDF:7904549.3/45
All: 0.000+/-0.000 χ²/NDF: 15056836.5/85



Right In: 156.888+/-33.907 χ^2/NDF: 11.6/16

Left Out: -15.100+/-17.957 χ^2/NDF:41.6/24

Right Out: 139.809+/-32.519 χ^2/NDF: 17.6/20

Left In: 5.629+/-18.382 χ^2/NDF:23.0/22

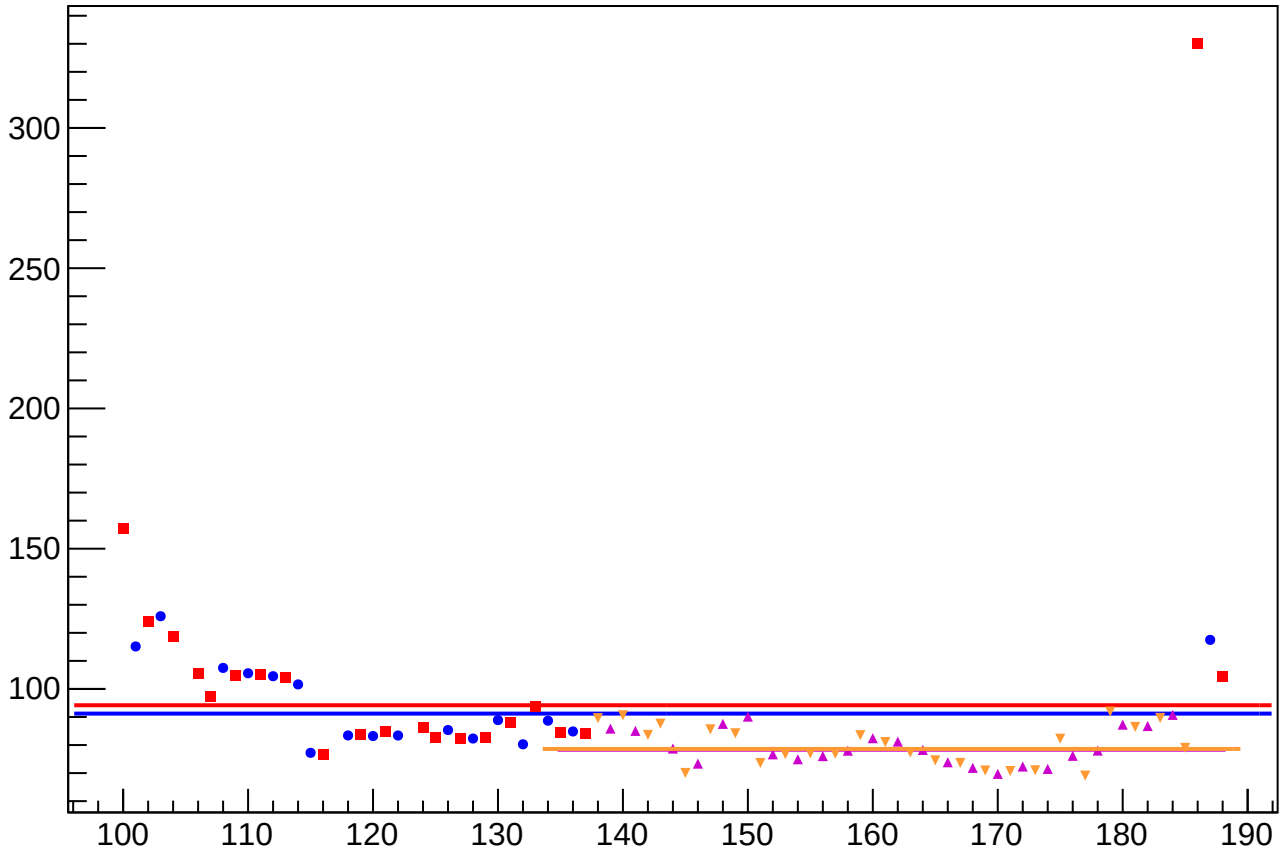
Left: -4.977+/-12.845 χ^2/NDF: 65.3/47

Right: 147.992+/-23.470 χ^2/NDF: 29.3/37

In: 39.986+/-16.160 χ^2/NDF:50.0/39

Out: 21.099+/-15.719 χ^2/NDF:76.6/45

All: 30.281+/-11.268 χ^2/NDF: 127.3/85



Right In: 91.211+/-0.024 χ^2/NDF: 291445.9/16

Left Out: 78.618+/-0.013 χ^2/NDF:307235.6/24

Right Out: 94.186+/-0.023 χ^2/NDF: 726180.3/20

Left In: 78.334+/-0.013 χ^2/NDF:209146.2/22

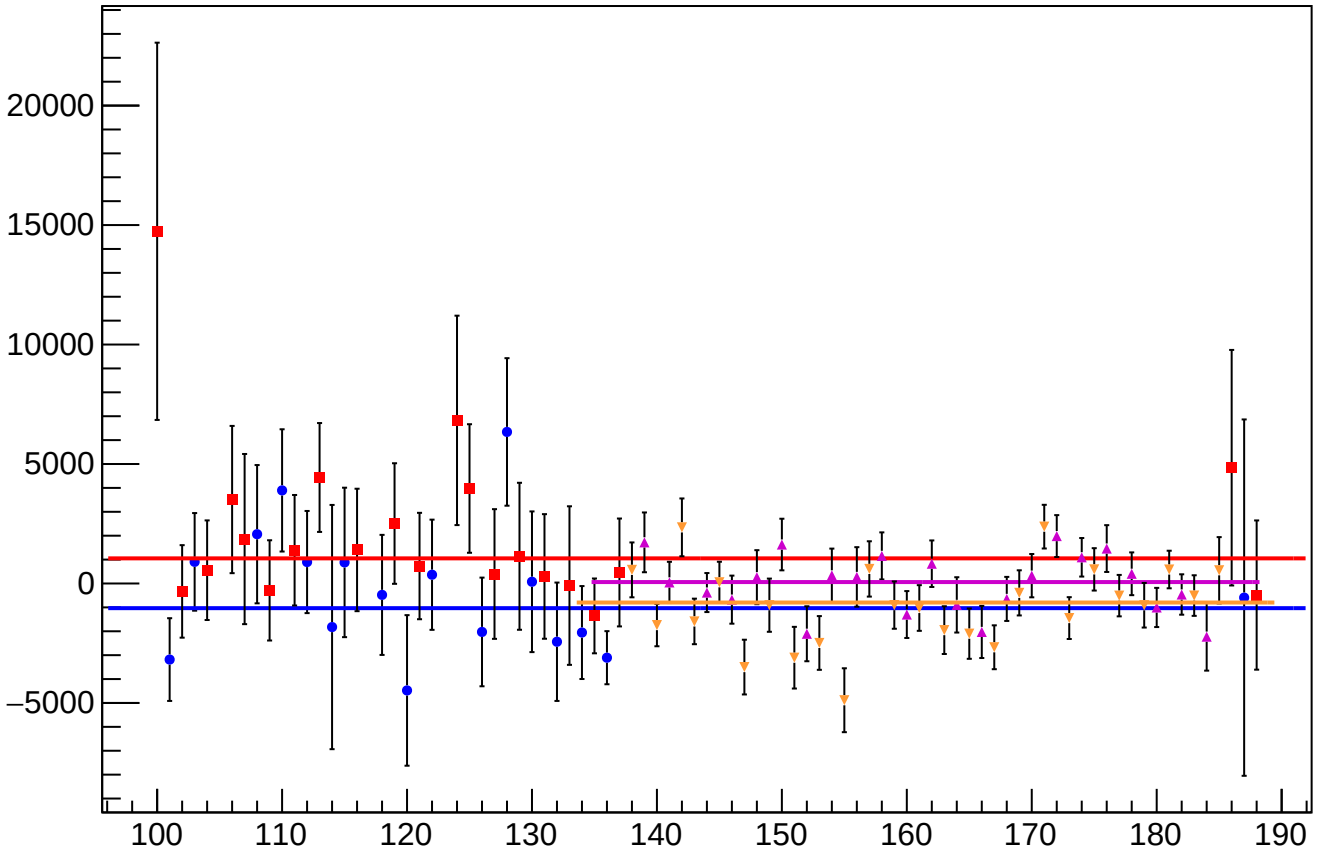
Left: 78.480+/-0.009 χ^2/NDF: 516625.8/47

Right: 92.760+/-0.017 χ^2/NDF: 1025648.0/37

In: 81.259+/-0.011 χ^2/NDF:723499.9/39

Out: 82.256+/-0.011 χ^2/NDF:1384676.3/45

All: 81.771+/-0.008 χ^2/NDF: 2112087.7/85



Right In: -1032.631+/-548.715 χ^2/NDF: 20.2/16

Left Out: -797.000+/-197.884 χ^2/NDF:59.5/24

Right Out: 1051.115+/-556.146 χ^2/NDF: 13.7/20

Left In: 59.494+/-204.437 χ^2/NDF:30.5/22

Left: -382.700+/-142.185 χ^2/NDF: 99.0/47

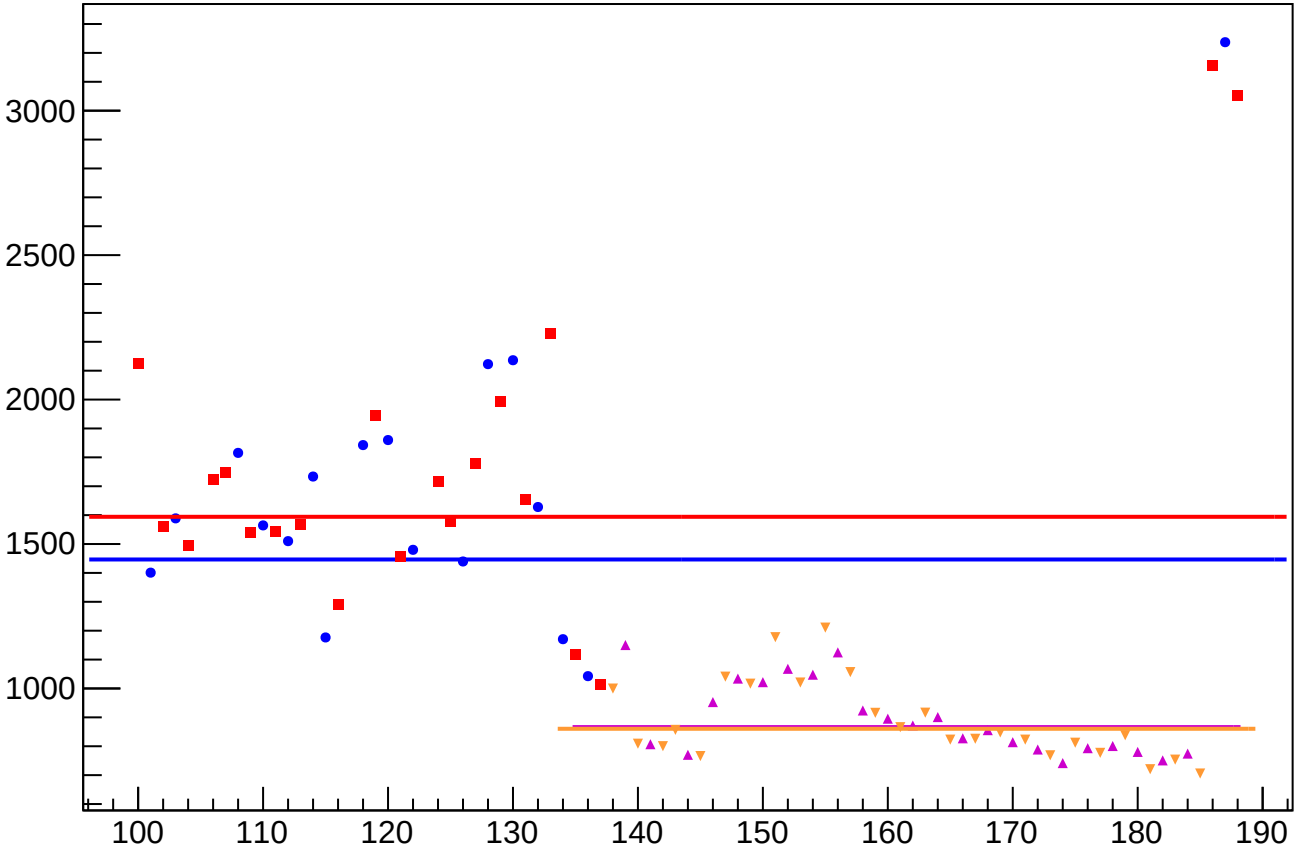
Right: -4.772+/-390.601 χ^2/NDF: 41.1/37

In: -73.626+/-191.573 χ^2/NDF:54.2/39

Out: -589.317+/-186.434 χ^2/NDF:83.0/45

All: -338.481+/-133.608 χ^2/NDF: 140.9/85

asym_sam_24_68_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 1446.483+/-0.388 χ^2/NDF: 791620.8/16

Left Out: 860.492+/-0.140 χ^2/NDF:699252.0/24

Right Out: 1594.231+/-0.393 χ^2/NDF: 1172289.1/20

Left In: 866.351+/-0.145 χ^2/NDF:613257.7/22

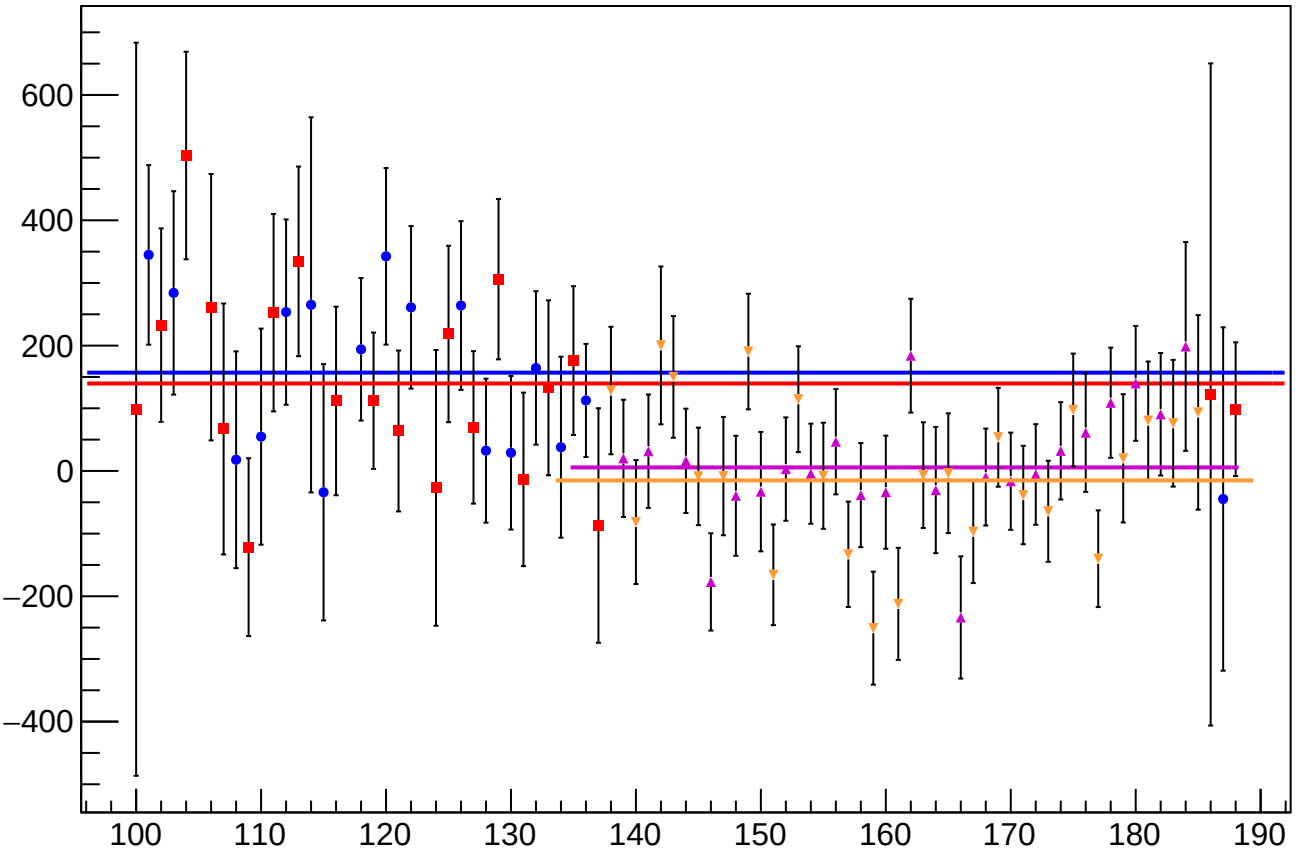
Left: 863.326+/-0.101 χ^2/NDF: 1313357.9/47

Right: 1519.363+/-0.276 χ^2/NDF: 2035437.0/37

In: 937.064+/-0.135 χ^2/NDF:3367952.7/39

Out: 942.946+/-0.132 χ^2/NDF:4961582.5/45

All: 940.085+/-0.094 χ^2/NDF: 8330503.5/85



Right In: 156.884+/-33.907 χ^2/NDF: 11.6/16

Left Out: -15.098+/-17.957 χ^2/NDF:41.6/24

Right Out: 139.578+/-32.520 χ^2/NDF: 17.5/20

Left In: 5.626+/-18.382 χ^2/NDF:23.0/22

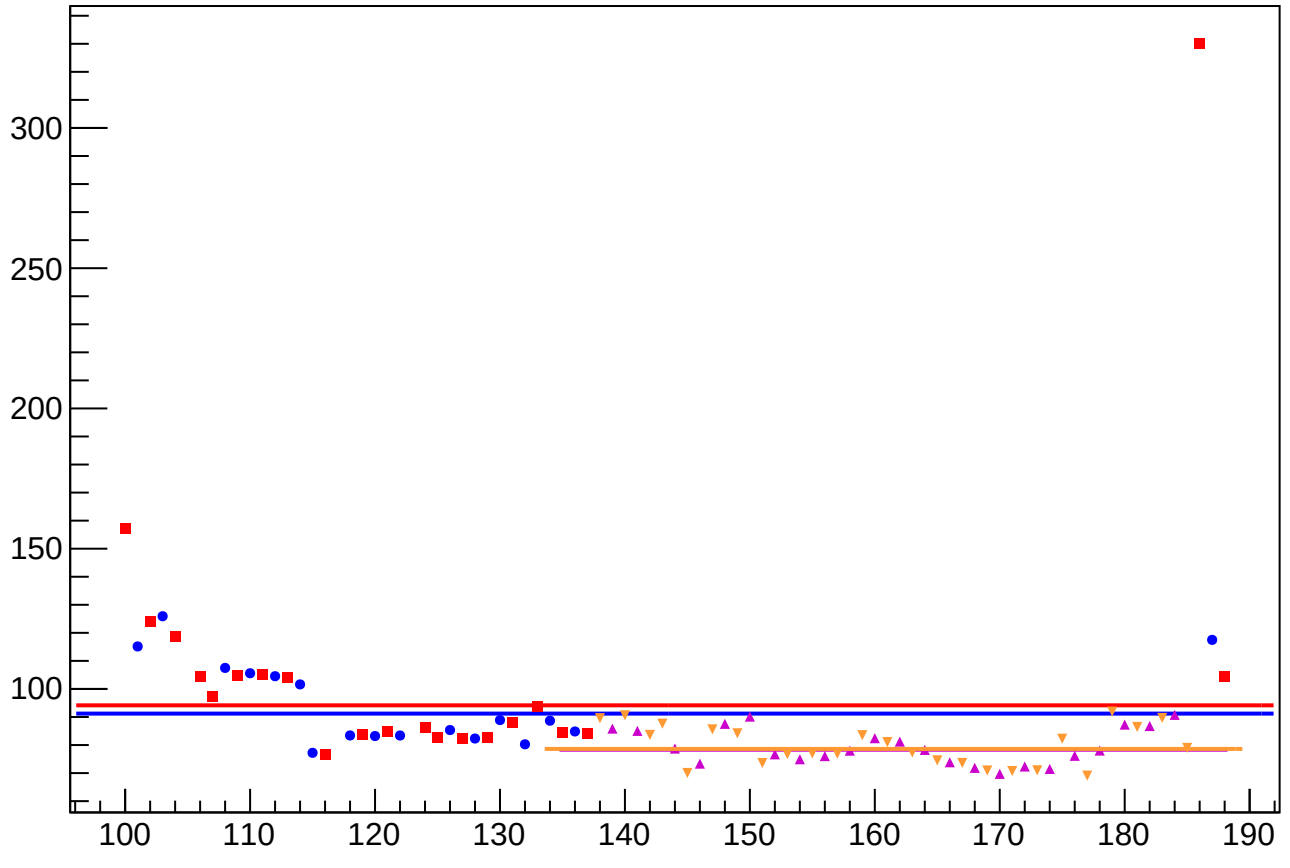
Left: -4.978+/-12.845 χ^2/NDF: 65.3/47

Right: 147.870+/-23.470 χ^2/NDF: 29.3/37

In: 39.982+/-16.160 χ^2/NDF:50.0/39

Out: 21.043+/-15.720 χ^2/NDF:76.5/45

All: 30.251+/-11.268 χ^2/NDF: 127.2/85



Right In: 91.211+/-0.024 χ^2/NDF: 291447.7/16

Left Out: 78.618+/-0.013 χ^2/NDF:307235.6/24

Right Out: 94.156+/-0.023 χ^2/NDF: 725146.3/20

Left In: 78.334+/-0.013 χ^2/NDF:209146.2/22

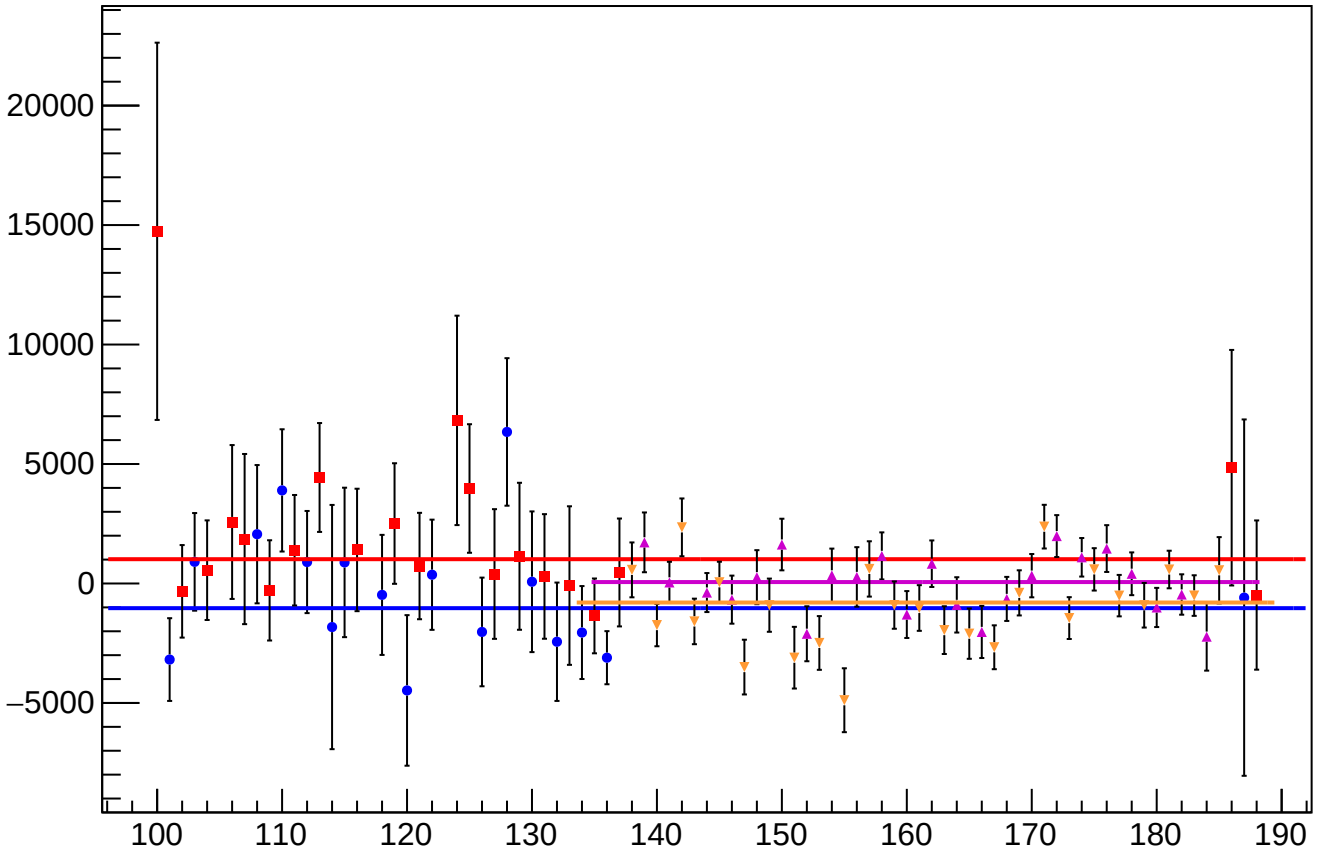
Left: 78.480+/-0.009 χ^2/NDF: 516625.8/47

Right: 92.745+/-0.017 χ^2/NDF: 1024456.2/37

In: 81.259+/-0.011 χ^2/NDF:723501.9/39

Out: 82.249+/-0.011 χ^2/NDF:1382275.1/45

All: 81.768+/-0.008 χ^2/NDF: 2109631.8/85



Right In: -1032.608+/-548.717 χ^2/NDF: 20.2/16

Left Out: -797.000+/-197.884 χ^2/NDF:59.5/24

Right Out: 1016.593+/-556.929 χ^2/NDF: 13.3/20

Left In: 59.494+/-204.437 χ^2/NDF:30.5/22

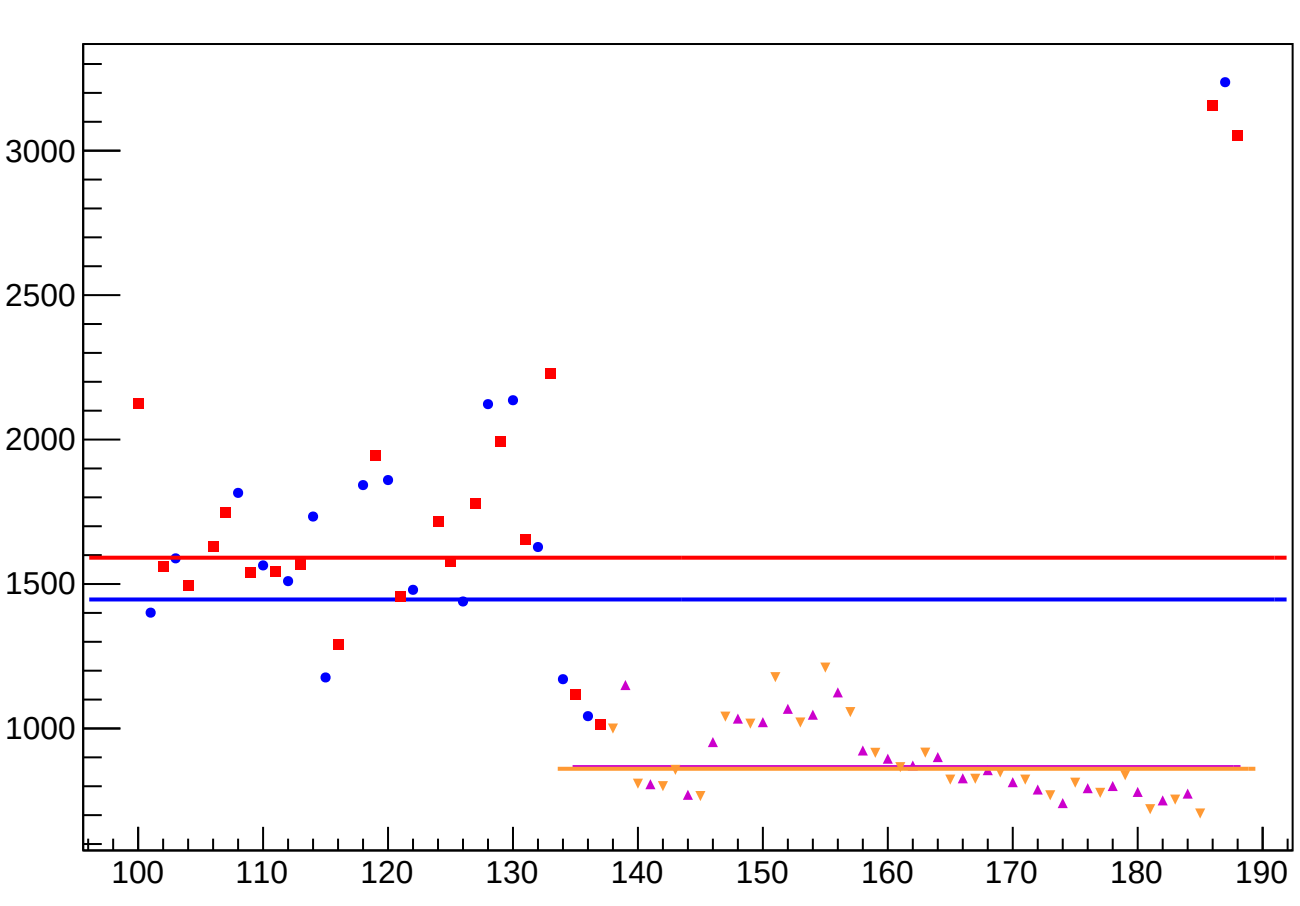
Left: -382.700+/-142.185 χ^2/NDF: 99.0/47

Right: -23.227+/-390.872 χ^2/NDF: 40.4/37

In: -73.623+/-191.573 χ^2/NDF:54.2/39

Out: -593.704+/-186.463 χ^2/NDF:82.2/45

All: -340.691+/-133.619 χ^2/NDF: 140.2/85



Right In: 1446.486+/-0.388 χ^2/NDF: 791628.9/16

Left Out: 860.492+/-0.140 χ^2/NDF:699250.7/24

Right Out: 1591.121+/-0.394 χ^2/NDF: 1168964.7/20

Left In: 866.352+/-0.145 χ^2/NDF:613256.3/22

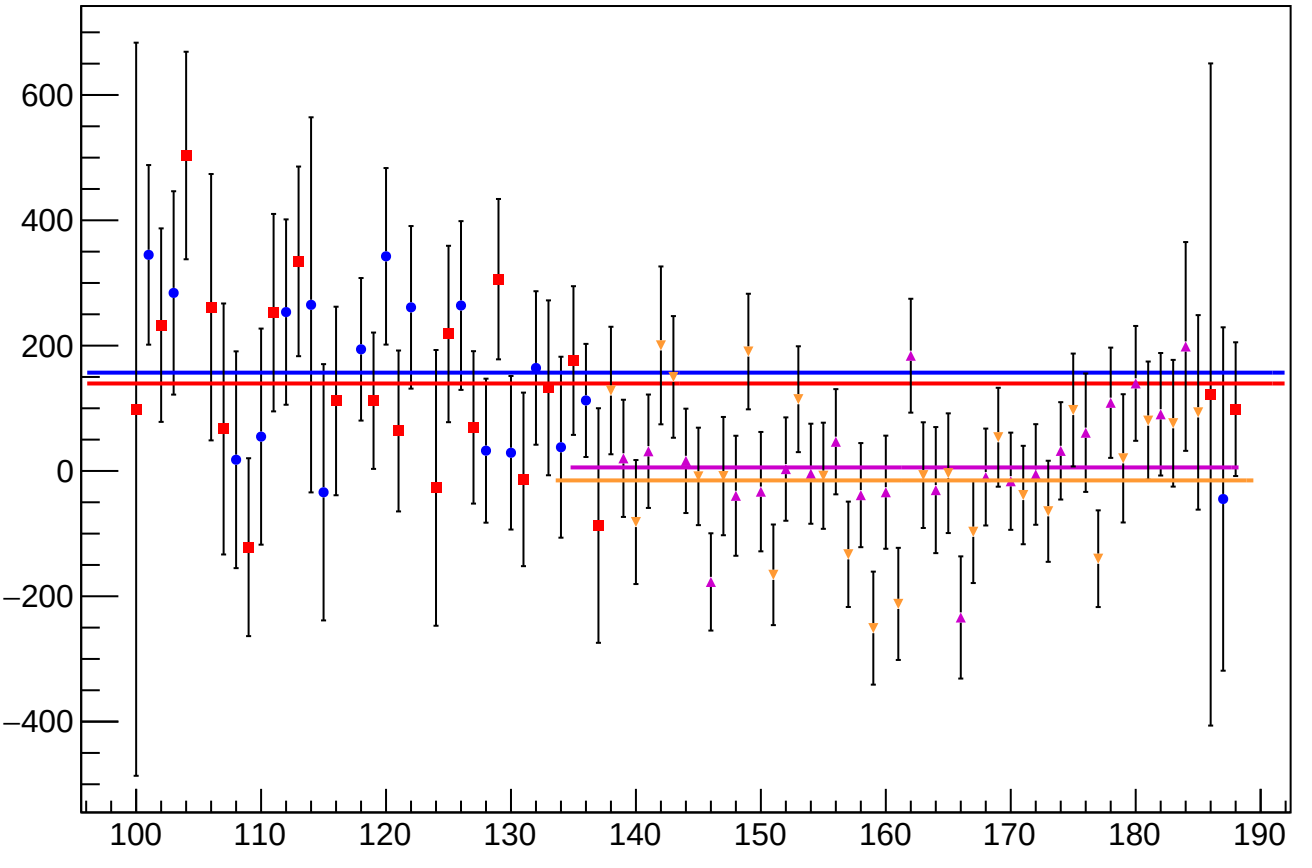
Left: 863.327+/-0.101 χ^2/NDF: 1313355.3/47

Right: 1517.729+/-0.276 χ^2/NDF: 2029040.0/37

In: 937.065+/-0.135 χ^2/NDF:3367971.1/39

Out: 942.392+/-0.132 χ^2/NDF:4924478.3/45

All: 939.801+/-0.094 χ^2/NDF: 8293243.6/85



Right In: 156.884+/-33.907 χ^2/NDF: 11.6/16

Left Out: -15.098+/-17.957 χ^2/NDF:41.6/24

Right Out: 139.578+/-32.520 χ^2/NDF: 17.5/20

Left In: 5.626+/-18.382 χ^2/NDF:23.0/22

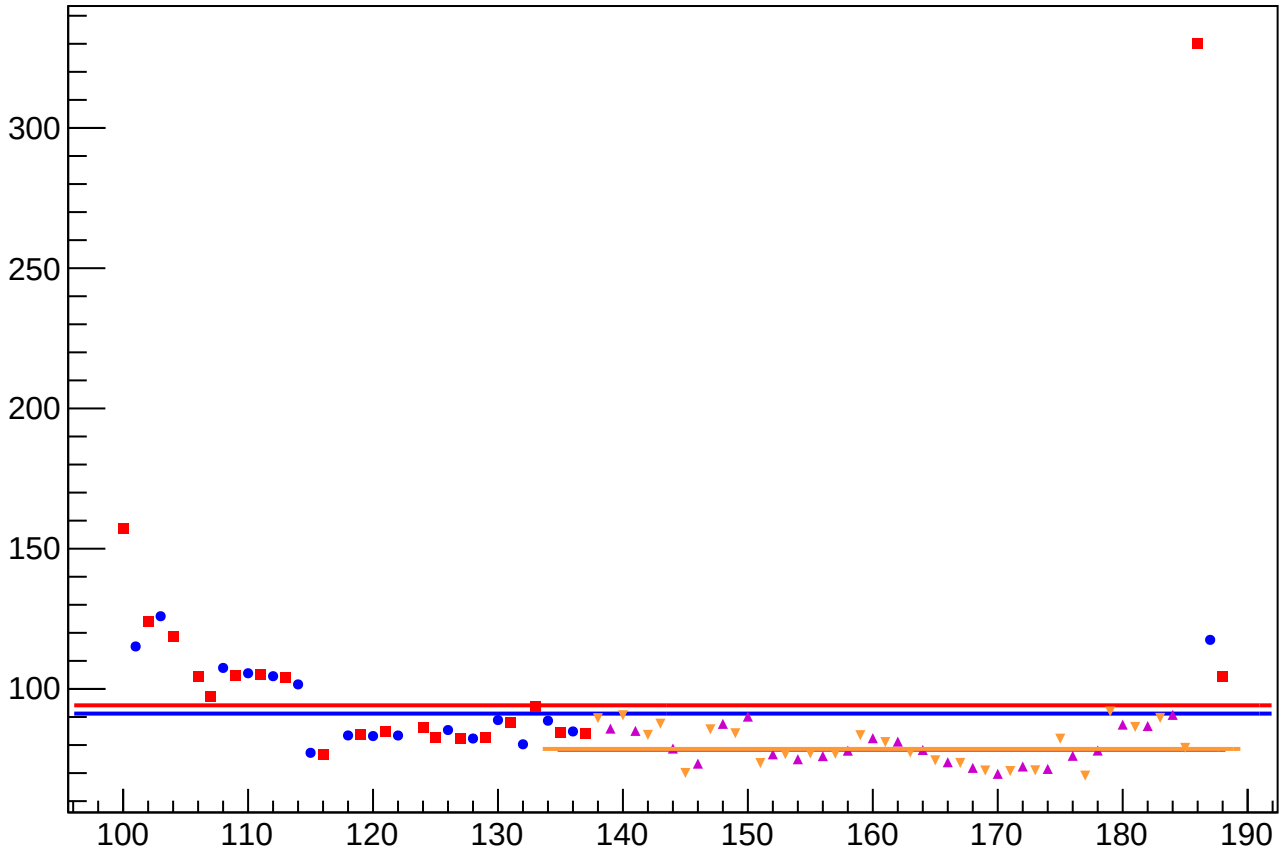
Left: -4.978+/-12.845 χ^2/NDF: 65.3/47

Right: 147.870+/-23.470 χ^2/NDF: 29.3/37

In: 39.982+/-16.160 χ^2/NDF:50.0/39

Out: 21.043+/-15.720 χ^2/NDF:76.5/45

All: 30.251+/-11.268 χ^2/NDF: 127.2/85



Right In: 91.211+/-0.024 χ^2/NDF: 291447.7/16

Left Out: 78.618+/-0.013 χ^2/NDF:307235.6/24

Right Out: 94.156+/-0.023 χ^2/NDF: 725146.3/20

Left In: 78.334+/-0.013 χ^2/NDF:209146.2/22

Left: 78.480+/-0.009 χ^2/NDF: 516625.8/47

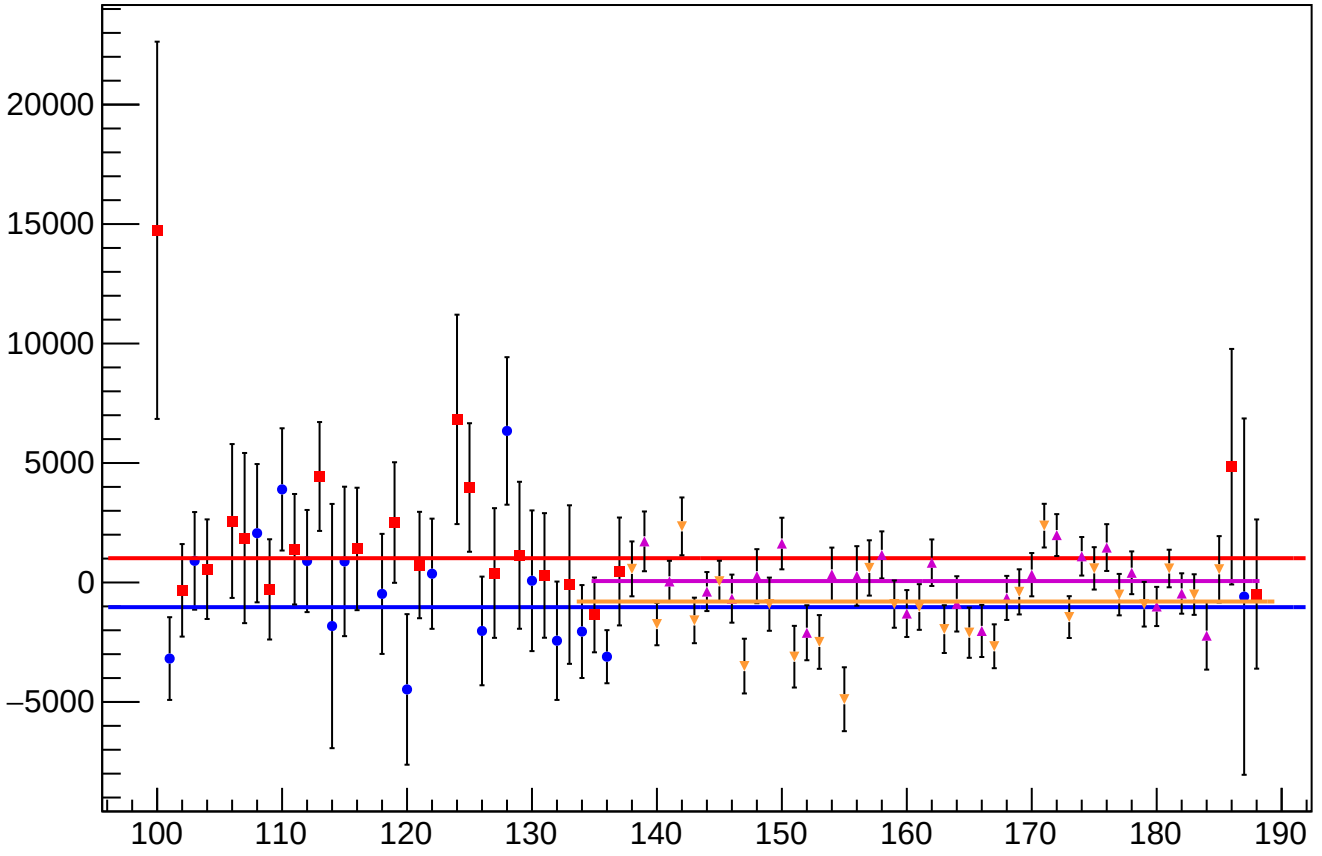
Right: 92.745+/-0.017 χ^2/NDF: 1024456.2/37

In: 81.259+/-0.011 χ^2/NDF:723501.9/39

Out: 82.249+/-0.011 χ^2/NDF:1382275.1/45

All: 81.768+/-0.008 χ^2/NDF: 2109631.8/85

asym_sam_24_68_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -1032.608+/-548.717 χ^2/NDF: 20.2/16

Left Out: -797.000+/-197.884 χ^2/NDF:59.5/24

Right Out: 1016.593+/-556.929 χ^2/NDF: 13.3/20

Left In: 59.494+/-204.437 χ^2/NDF:30.5/22

Left: -382.700+/-142.185 χ^2/NDF: 99.0/47

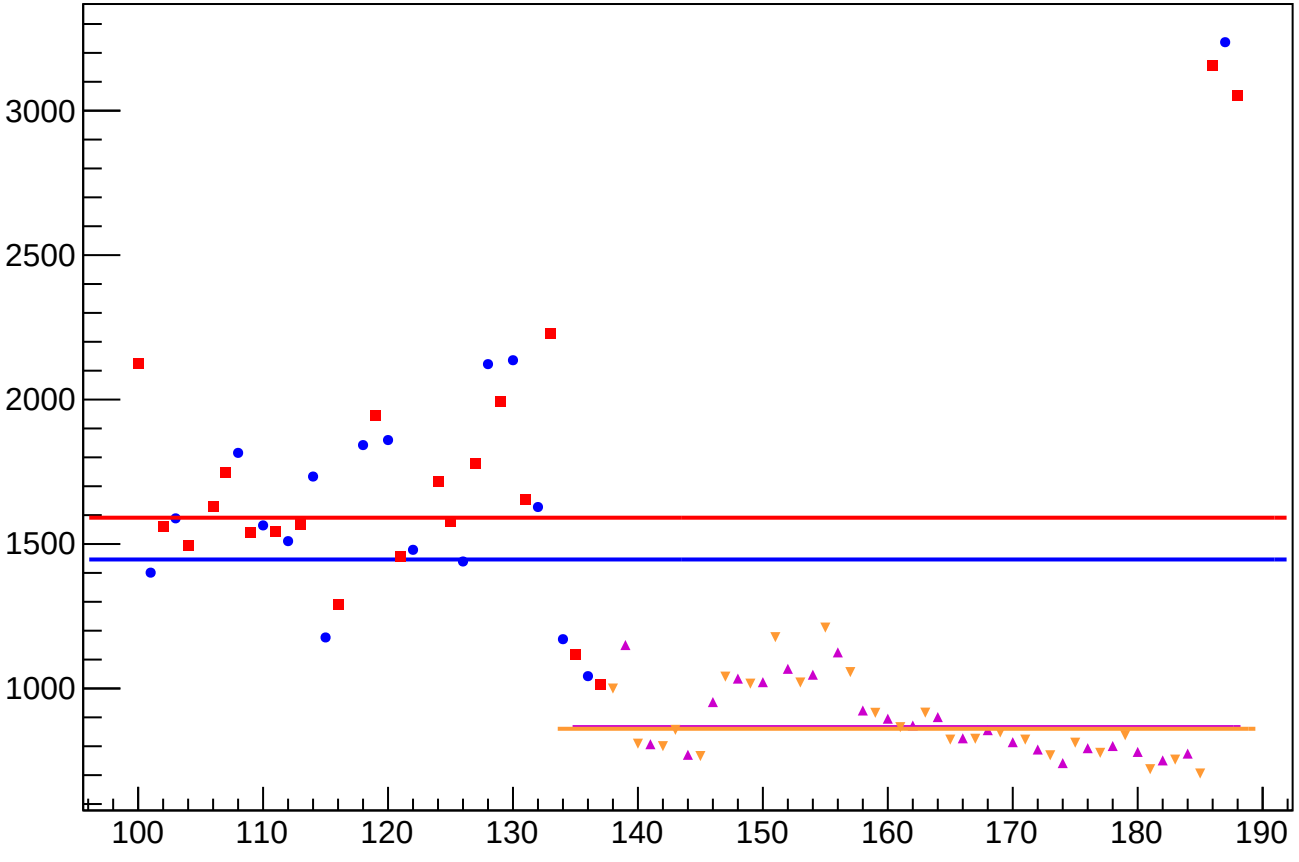
Right: -23.227+/-390.872 χ^2/NDF: 40.4/37

In: -73.623+/-191.573 χ^2/NDF:54.2/39

Out: -593.704+/-186.463 χ^2/NDF:82.2/45

All: -340.691+/-133.619 χ^2/NDF: 140.2/85

asym_sam_24_68_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1446.486+/-0.388 χ^2/NDF: 791628.9/16

Left Out: 860.492+/-0.140 χ^2/NDF:699250.7/24

Right Out: 1591.121+/-0.394 χ^2/NDF: 1168964.7/20

Left In: 866.352+/-0.145 χ^2/NDF:613256.3/22

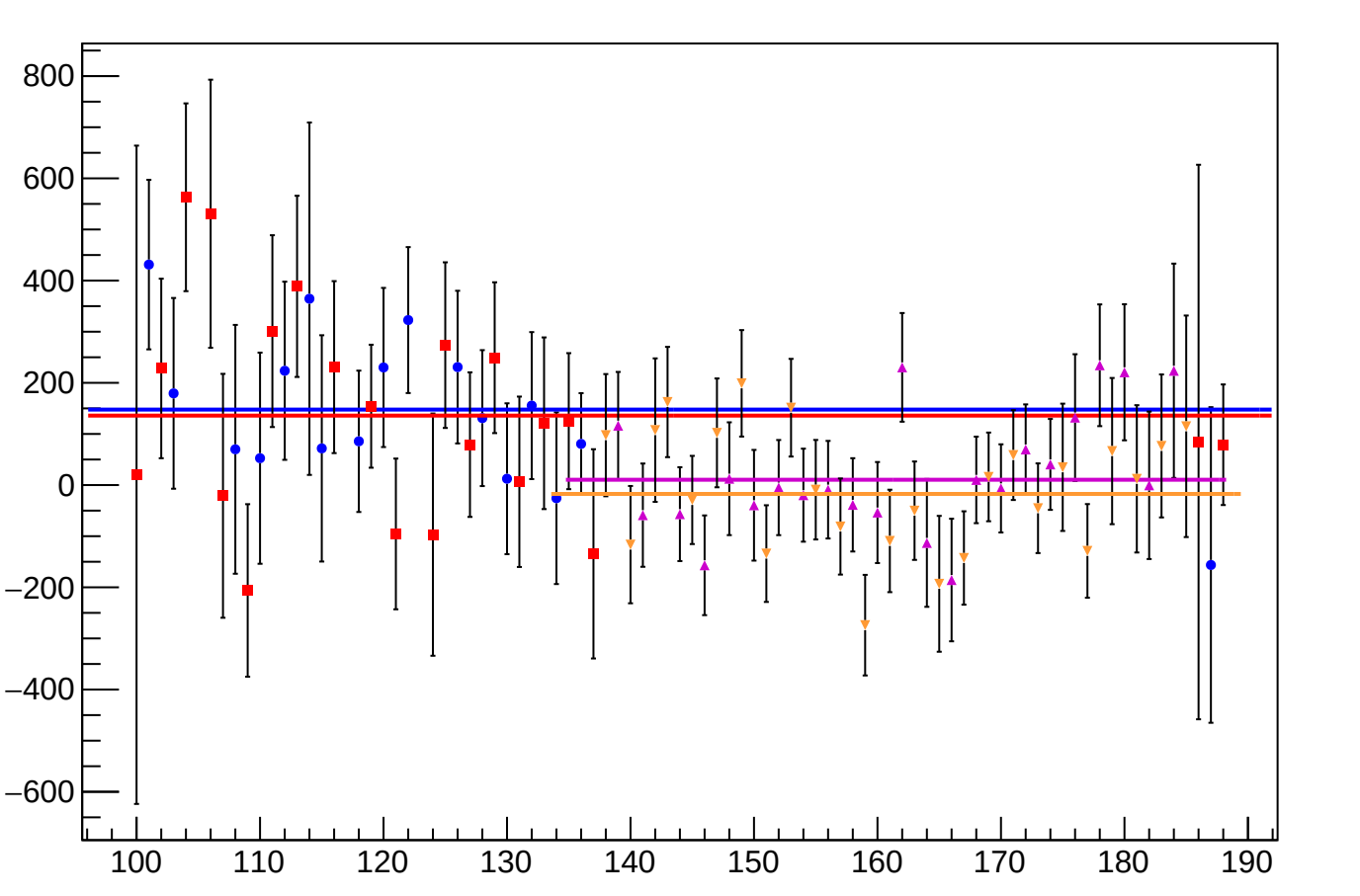
Left: 863.327+/-0.101 χ^2/NDF: 1313355.3/47

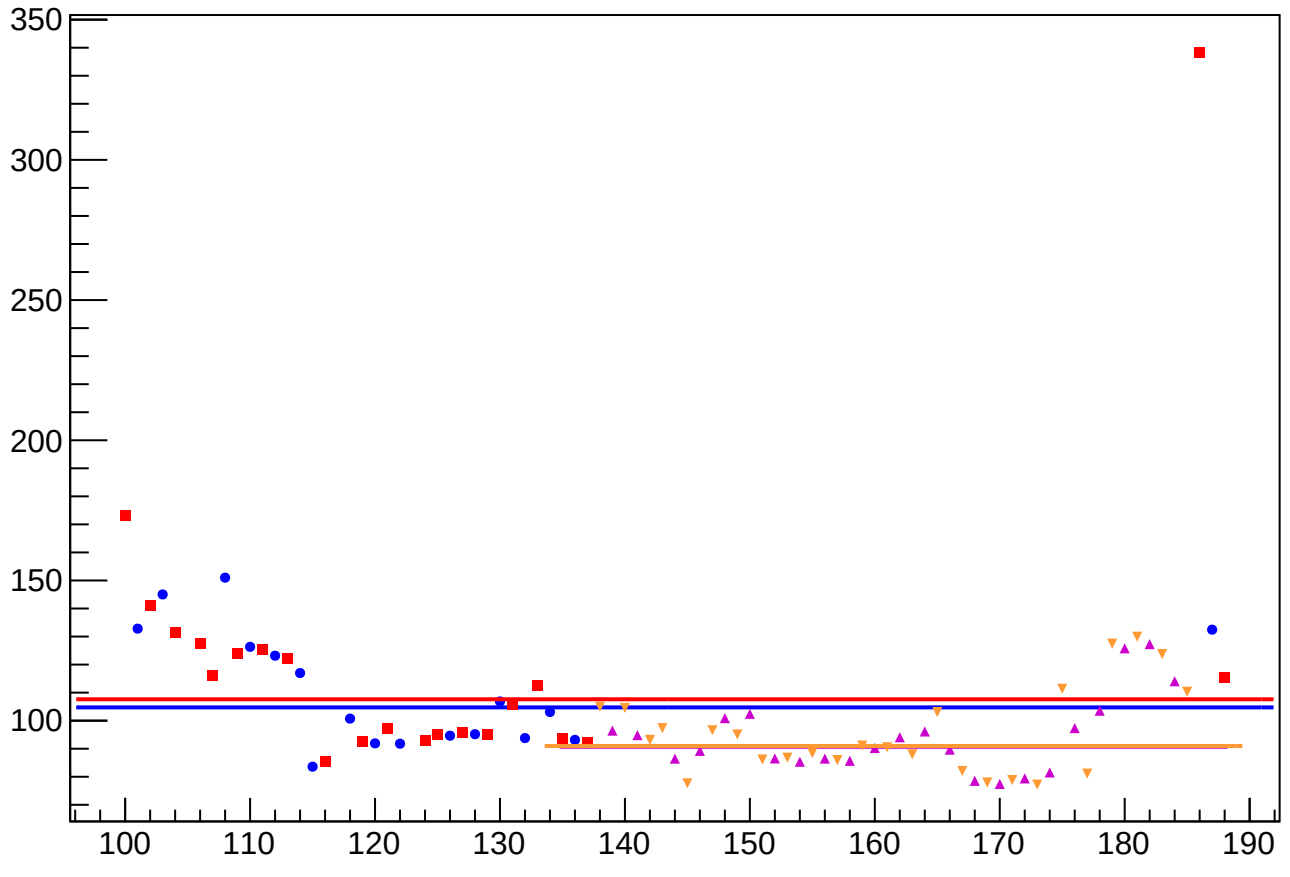
Right: 1517.729+/-0.276 χ^2/NDF: 2029040.0/37

In: 937.065+/-0.135 χ^2/NDF:3367971.1/39

Out: 942.392+/-0.132 χ^2/NDF:4924478.3/45

All: 939.801+/-0.094 χ^2/NDF: 8293243.6/85


dit_asym_sam_24_68_dd_mean vs Slug, Sign Corrected
800
600
400
200
0
−200
−400
−600
100
110
120
130
140
150
160
170
180
190
Right In: 147.663+/-39.128 χ²/NDF: 9.6/16
Left Out: -17.356+/-20.987 χ²/NDF:31.2/24
Right Out: 135.885+/-37.231 χ²/NDF: 23.2/20
Left In: 10.412+/-21.503 χ²/NDF:22.6/22
Left: -3.810+/-15.019 χ²/NDF: 54.7/47
Right: 141.482+/-26.972 χ²/NDF: 32.9/37
In: 42.249+/-18.845 χ²/NDF:41.7/39
Out: 19.594+/-18.282 χ²/NDF:67.2/45
All: 30.578+/-13.122 χ²/NDF: 109.7/85



Right In: 104.739+/-0.028 χ^2/NDF: 394695.9/16

Left Out: 90.967+/-0.015 χ^2/NDF:784523.6/24

Right Out: 107.636+/-0.026 χ^2/NDF: 720039.3/20

Left In: 90.690+/-0.015 χ^2/NDF:545969.6/22

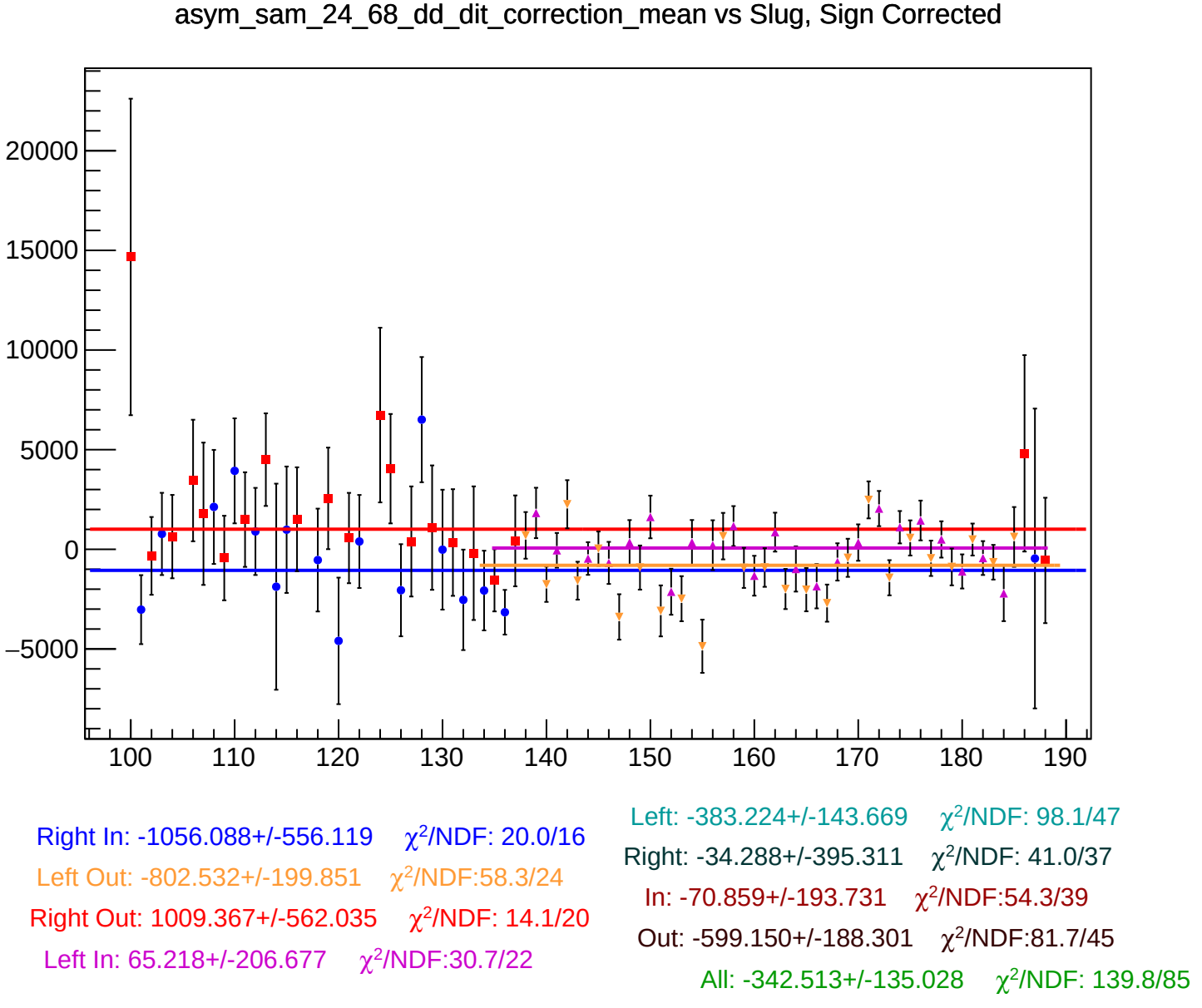
Left: 90.832+/-0.011 χ^2/NDF: 1330663.0/47

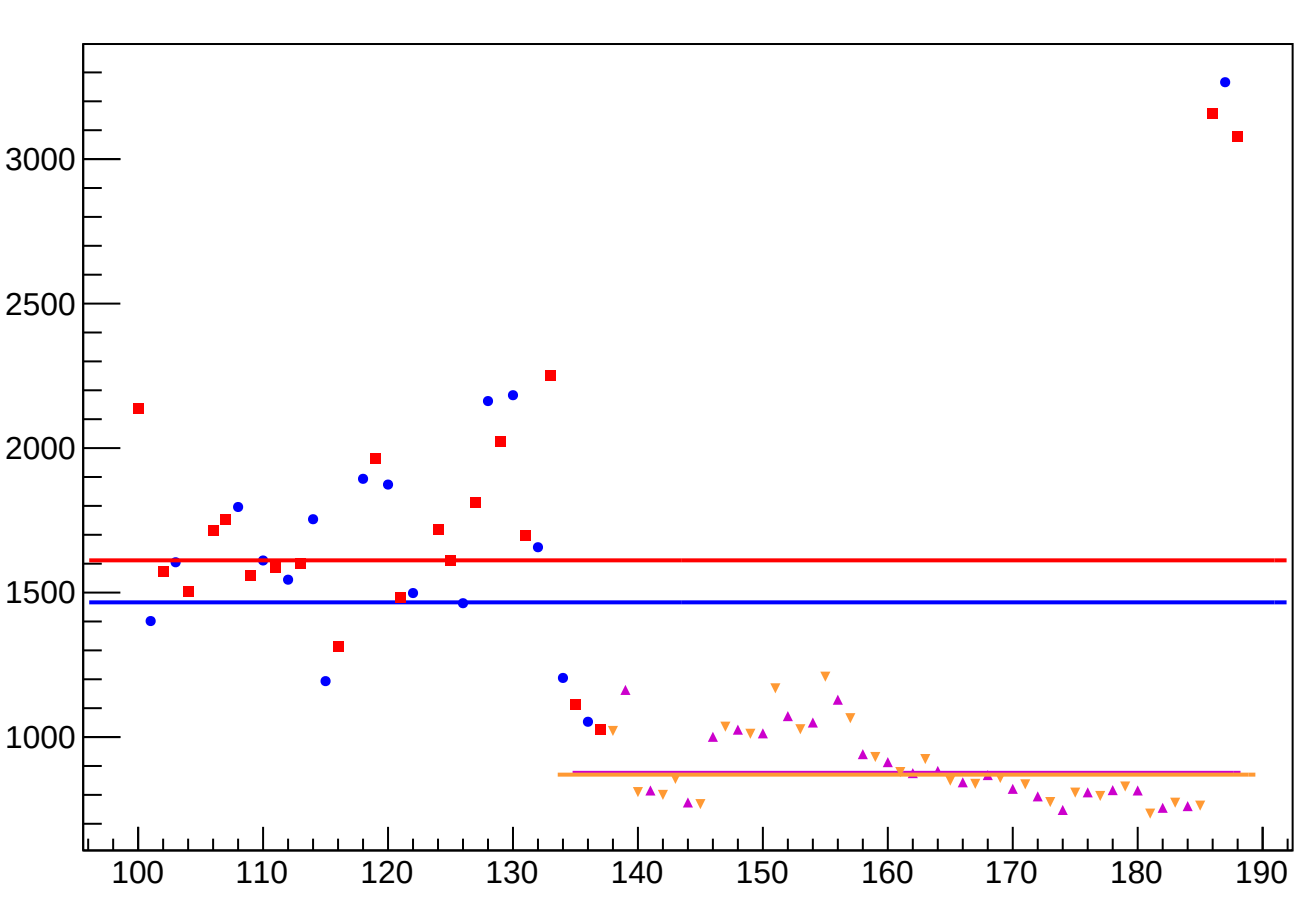
Right: 106.259+/-0.019 χ^2/NDF: 1120489.8/37

In: 93.949+/-0.013 χ^2/NDF:1138683.7/39

Out: 94.986+/-0.013 χ^2/NDF:1808793.6/45

All: 94.483+/-0.009 χ^2/NDF: 2950599.4/85


asym_sam_24_68_dd_dit_correction_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
100
110
120
130
140
150
160
170
180
190
Right In: -1056.088+/-556.119 χ²/NDF: 20.0/16
Left Out: -802.532+/-199.851 χ²/NDF:58.3/24
Right Out: 1009.367+/-562.035 χ²/NDF: 14.1/20
Left In: 65.218+/-206.677 χ²/NDF:30.7/22
Left: -383.224+/-143.669 χ²/NDF: 98.1/47
Right: -34.288+/-395.311 χ²/NDF: 41.0/37
In: -70.859+/-193.731 χ²/NDF:54.3/39
Out: -599.150+/-188.301 χ²/NDF:81.7/45
All: -342.513+/-135.028 χ²/NDF: 139.8/85



Right In: 1466.193+/-0.393 χ^2/NDF: 799924.8/16

Left Out: 870.009+/-0.141 χ^2/NDF:647274.1/24

Right Out: 1611.558+/-0.397 χ^2/NDF: 1180024.4/20

Left In: 876.273+/-0.146 χ^2/NDF:597200.7/22

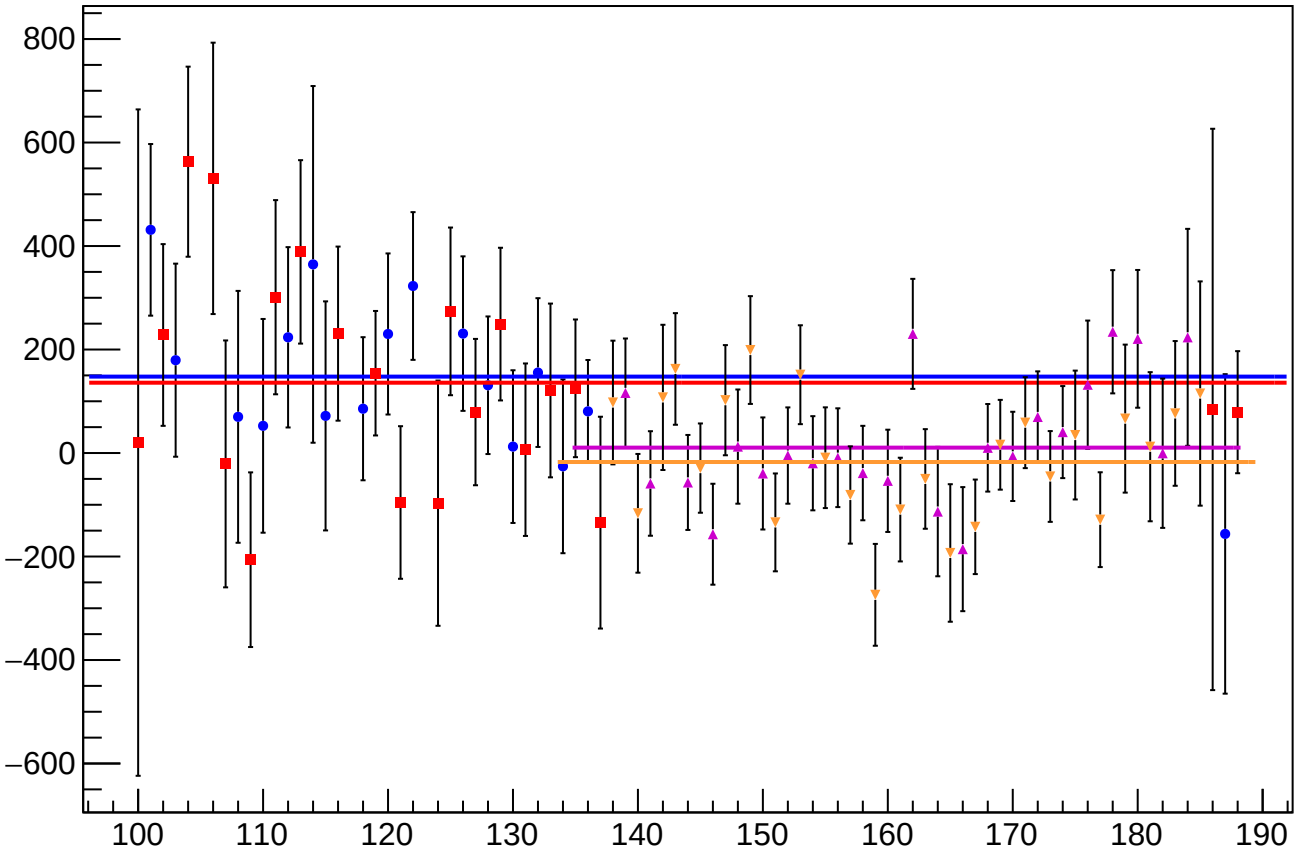
Left: 873.036+/-0.102 χ^2/NDF: 1245424.4/47

Right: 1538.107+/-0.280 χ^2/NDF: 2047551.8/37

In: 947.864+/-0.137 χ^2/NDF:3374521.8/39

Out: 953.246+/-0.133 χ^2/NDF:4918127.3/45

All: 950.631+/-0.095 χ^2/NDF: 8293442.9/85



Right In: 147.664+/-39.128 χ^2/NDF: 9.6/16

Left Out: -17.356+/-20.987 χ^2/NDF:31.2/24

Right Out: 135.884+/-37.231 χ^2/NDF: 23.2/20

Left In: 10.412+/-21.503 χ^2/NDF:22.6/22

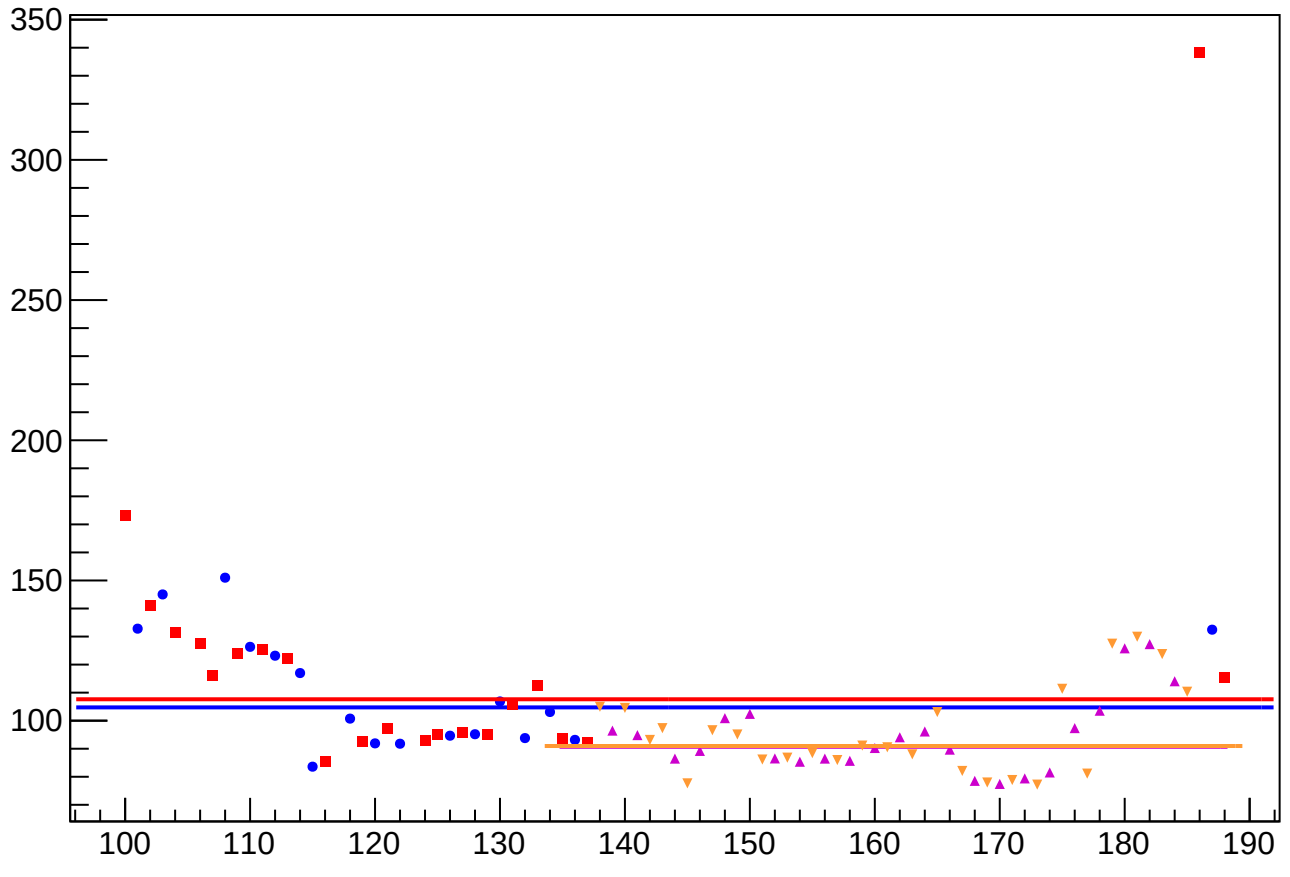
Left: -3.810+/-15.019 χ^2/NDF: 54.7/47

Right: 141.482+/-26.972 χ^2/NDF: 32.9/37

In: 42.249+/-18.845 χ^2/NDF:41.7/39

Out: 19.594+/-18.282 χ^2/NDF:67.2/45

All: 30.578+/-13.122 χ^2/NDF: 109.7/85



Right In: 104.738+/-0.028 χ^2/NDF: 394697.6/16

Left Out: 90.967+/-0.015 χ^2/NDF:784529.9/24

Right Out: 107.635+/-0.026 χ^2/NDF: 720042.4/20

Left In: 90.690+/-0.015 χ^2/NDF:545960.7/22

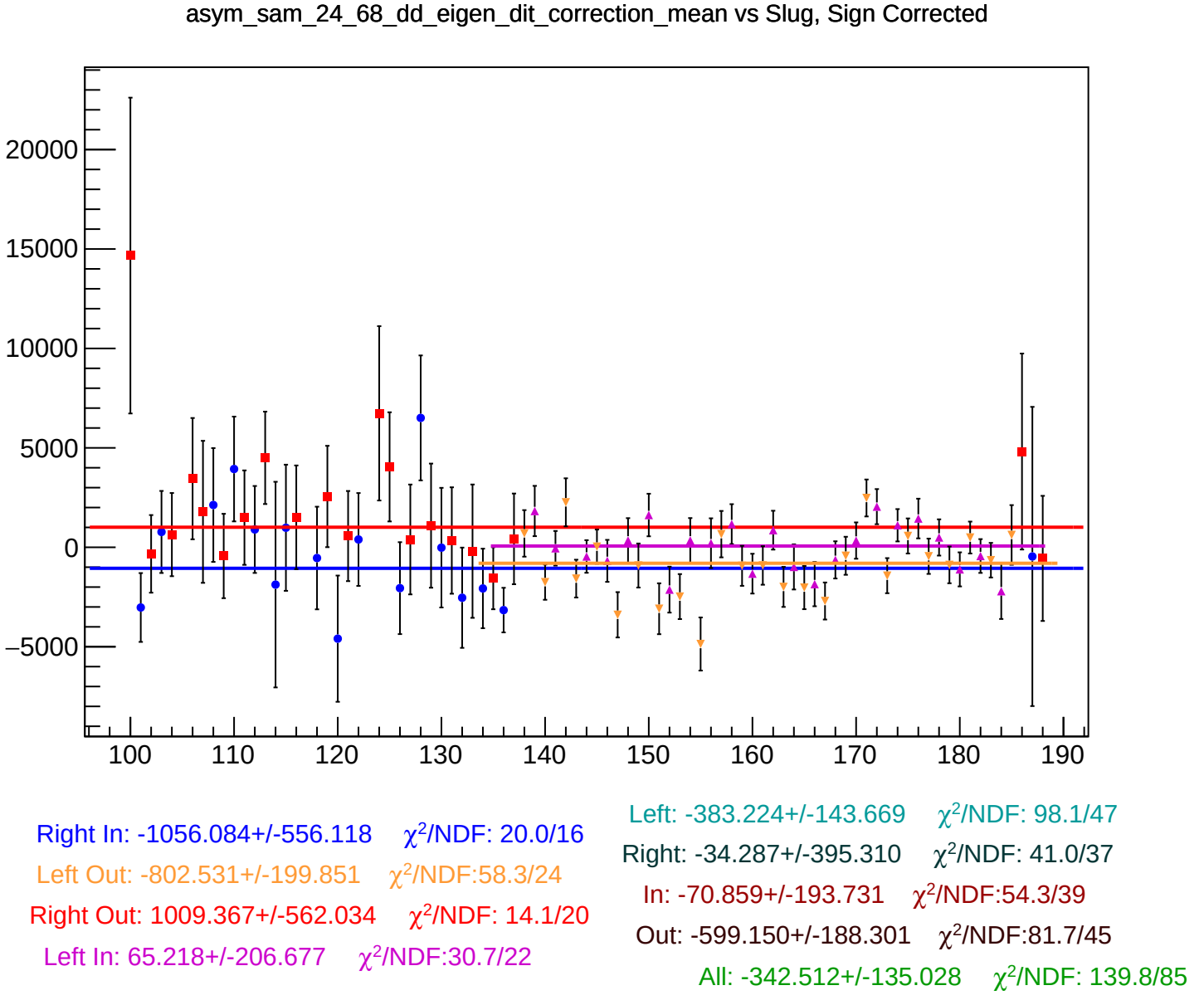
Left: 90.832+/-0.011 χ^2/NDF: 1330660.5/47

Right: 106.258+/-0.019 χ^2/NDF: 1120495.9/37

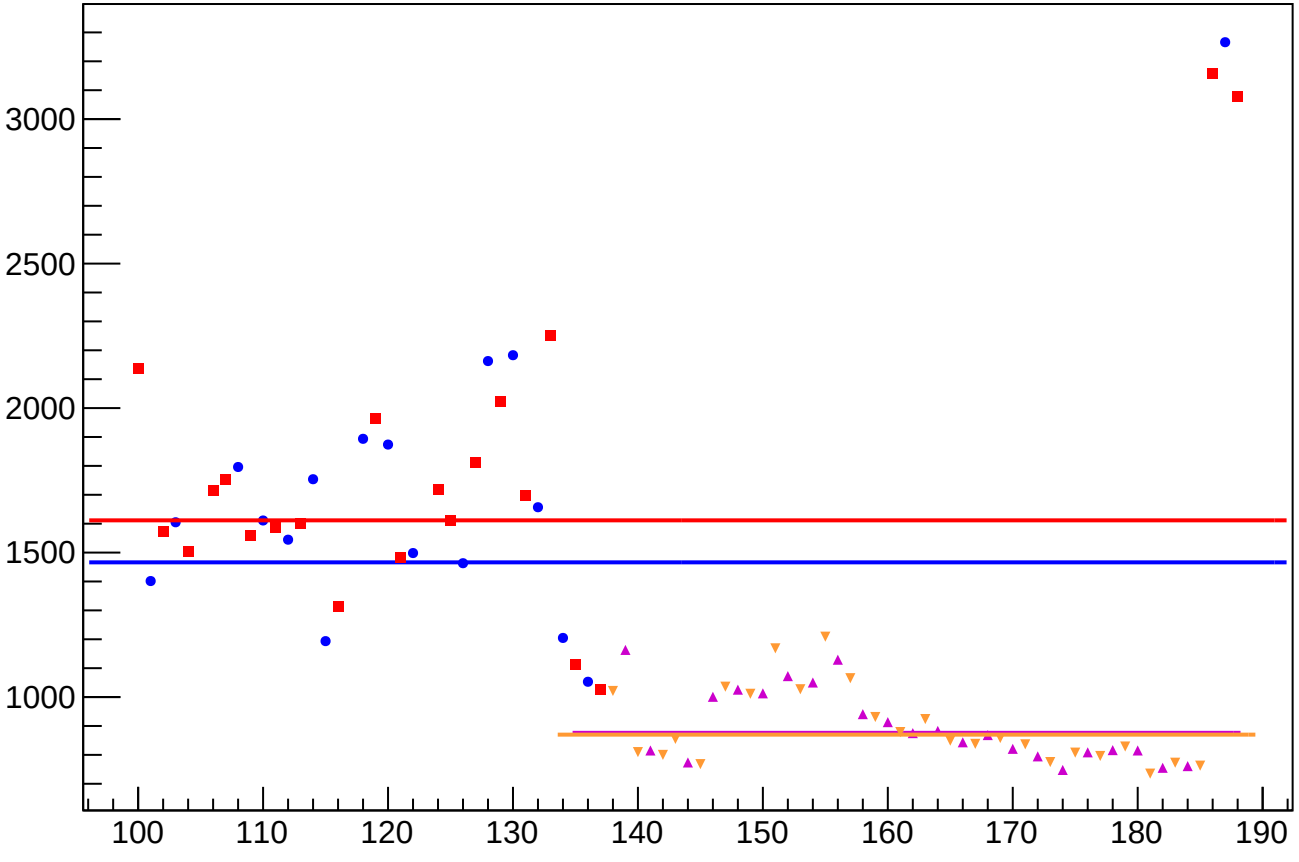
In: 93.949+/-0.013 χ^2/NDF:1138651.8/39

Out: 94.986+/-0.013 χ^2/NDF:1808777.3/45

All: 94.483+/-0.009 χ^2/NDF: 2950552.1/85


asym_sam_24_68_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
100
110
120
130
140
150
160
170
180
190
Right In: -1056.084+/-556.118 χ²/NDF: 20.0/16
Left Out: -802.531+/-199.851 χ²/NDF:58.3/24
Right Out: 1009.367+/-562.034 χ²/NDF: 14.1/20
Left In: 65.218+/-206.677 χ²/NDF:30.7/22
Left: -383.224+/-143.669 χ²/NDF: 98.1/47
Right: -34.287+/-395.310 χ²/NDF: 41.0/37
In: -70.859+/-193.731 χ²/NDF:54.3/39
Out: -599.150+/-188.301 χ²/NDF:81.7/45
All: -342.512+/-135.028 χ²/NDF: 139.8/85

asym_sam_24_68_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1466.191+/-0.393 χ^2/NDF: 799921.8/16

Left Out: 870.008+/-0.141 χ^2/NDF:647275.9/24

Right Out: 1611.555+/-0.397 χ^2/NDF: 1180025.9/20

Left In: 876.272+/-0.146 χ^2/NDF:597200.9/22

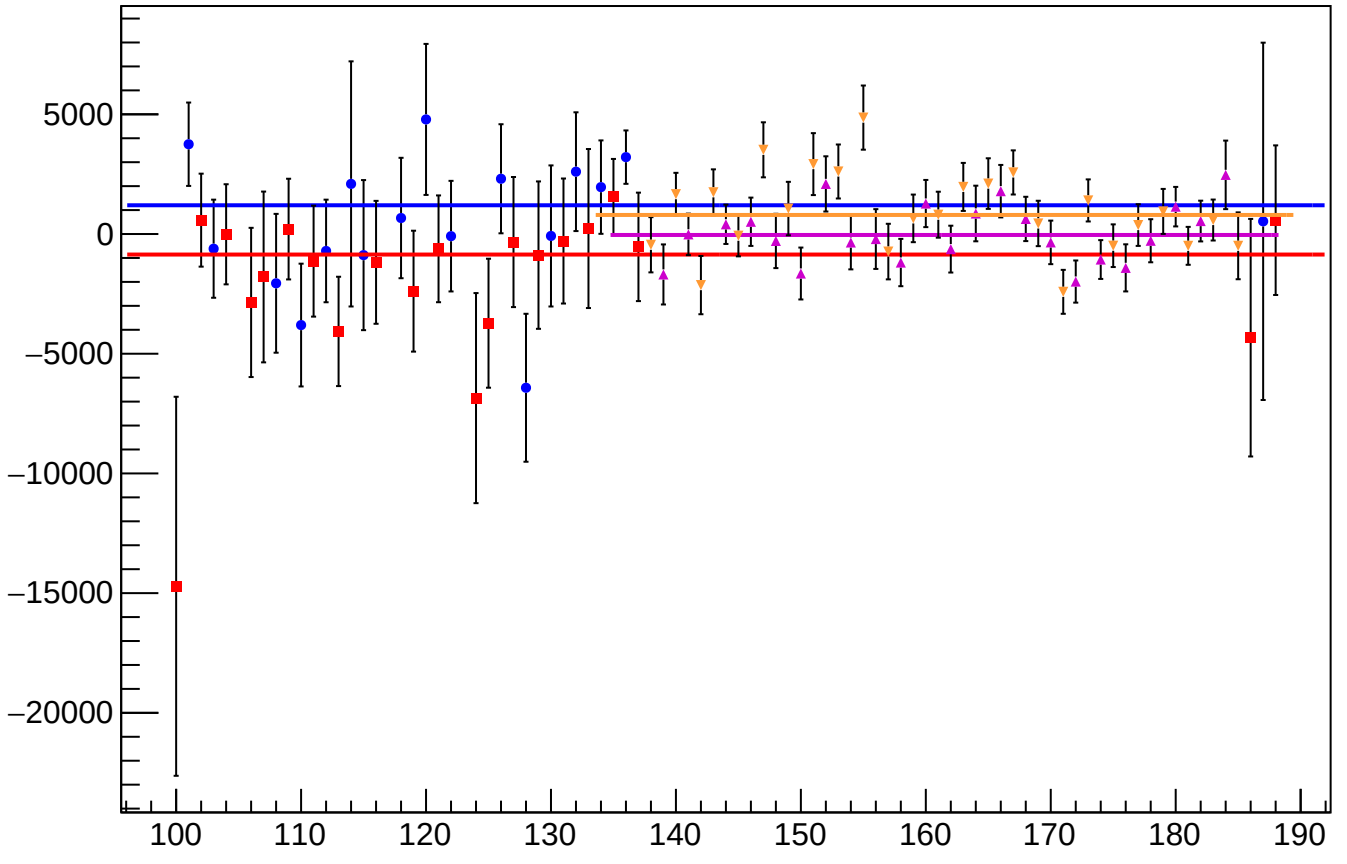
Left: 873.035+/-0.102 χ^2/NDF: 1245426.3/47

Right: 1538.104+/-0.280 χ^2/NDF: 2047550.0/37

In: 947.863+/-0.137 χ^2/NDF:3374514.4/39

Out: 953.245+/-0.133 χ^2/NDF:4918121.6/45

All: 950.630+/-0.095 χ^2/NDF: 8293429.8/85



Right In: 1201.023+/-550.227 χ^2/NDF: 21.2/16

Left Out: 796.287+/-198.802 χ^2/NDF:57.2/24

Right Out: -857.360+/-557.564 χ^2/NDF: 13.2/20

Left In: -39.746+/-205.349 χ^2/NDF:29.7/22

Left: 391.811+/-142.833 χ^2/NDF: 95.5/47

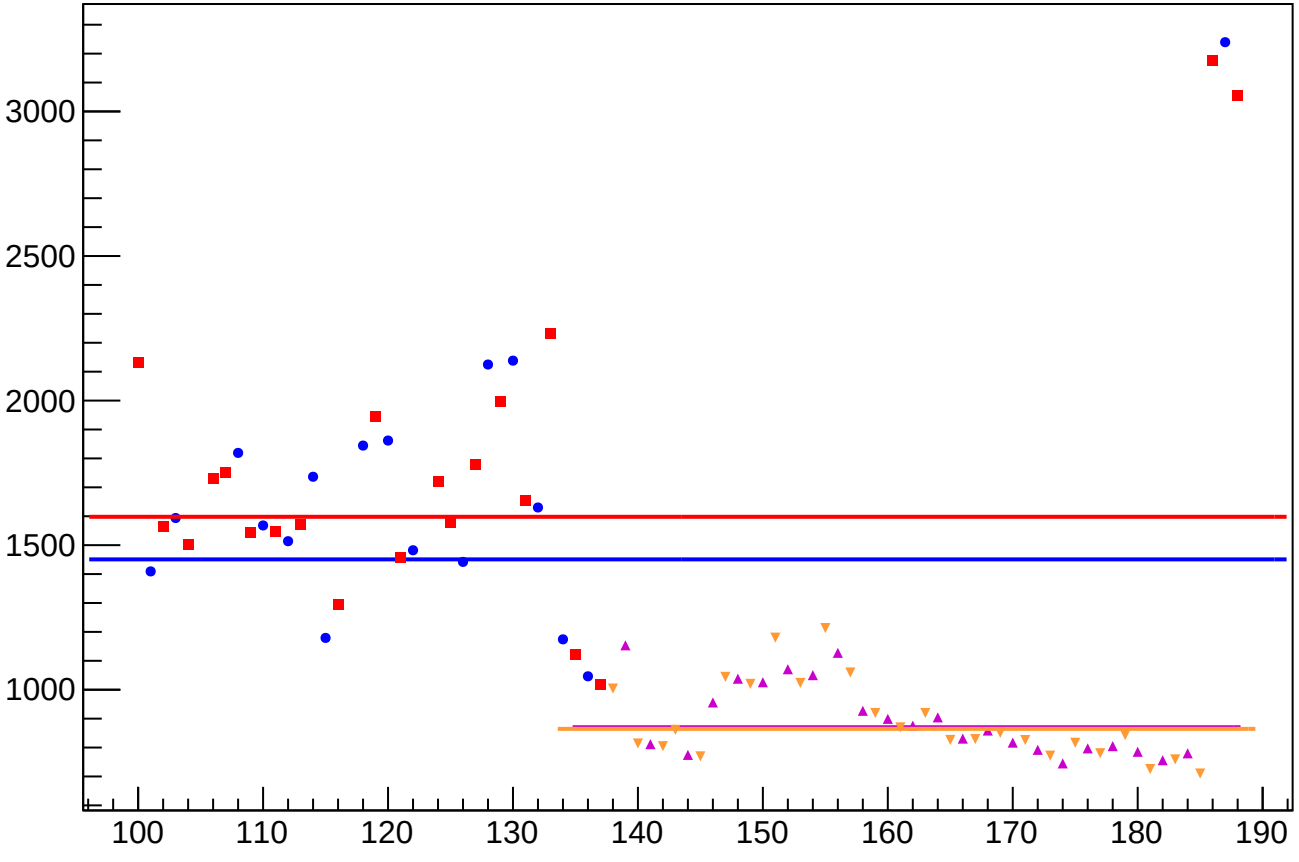
Right: 185.463+/-391.637 χ^2/NDF: 41.3/37

In: 111.946+/-192.388 χ^2/NDF:55.3/39

Out: 609.769+/-187.255 χ^2/NDF:78.2/45

All: 367.586+/-134.187 χ^2/NDF: 137.0/85

asym_sam_24_68_dd_rms vs Slug, Sign Corrected



Right In: 1450.802+/-0.389 χ^2/NDF: 786209.1/16

Left Out: 864.637+/-0.141 χ^2/NDF:688948.2/24

Right Out: 1598.105+/-0.394 χ^2/NDF: 1169356.9/20

Left In: 870.346+/-0.145 χ^2/NDF:604520.6/22

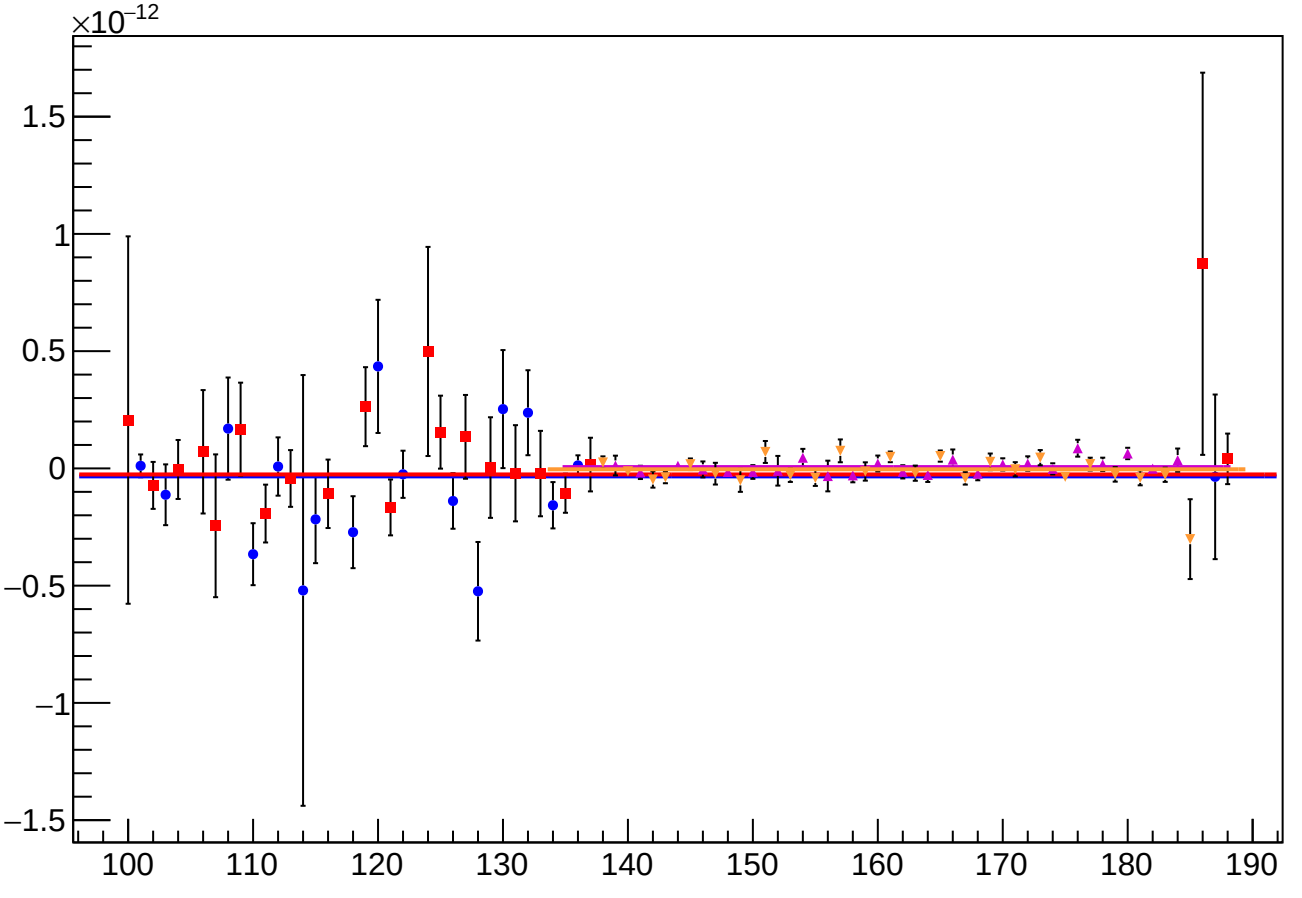
Left: 867.399+/-0.101 χ^2/NDF: 1294266.9/47

Right: 1523.478+/-0.277 χ^2/NDF: 2026287.4/37

In: 941.310+/-0.136 χ^2/NDF:3344406.2/39

Out: 947.366+/-0.132 χ^2/NDF:4928951.0/45

All: 944.420+/-0.095 χ^2/NDF: 8274374.7/85



Right In: -0.000+/-0.000 χ^2/NDF: 27.4/16

Left Out: -0.000+/-0.000 χ^2/NDF:38.7/24

Right Out: -0.000+/-0.000 χ^2/NDF: 14.6/20

Left In: 0.000+/-0.000 χ^2/NDF:20.6/22

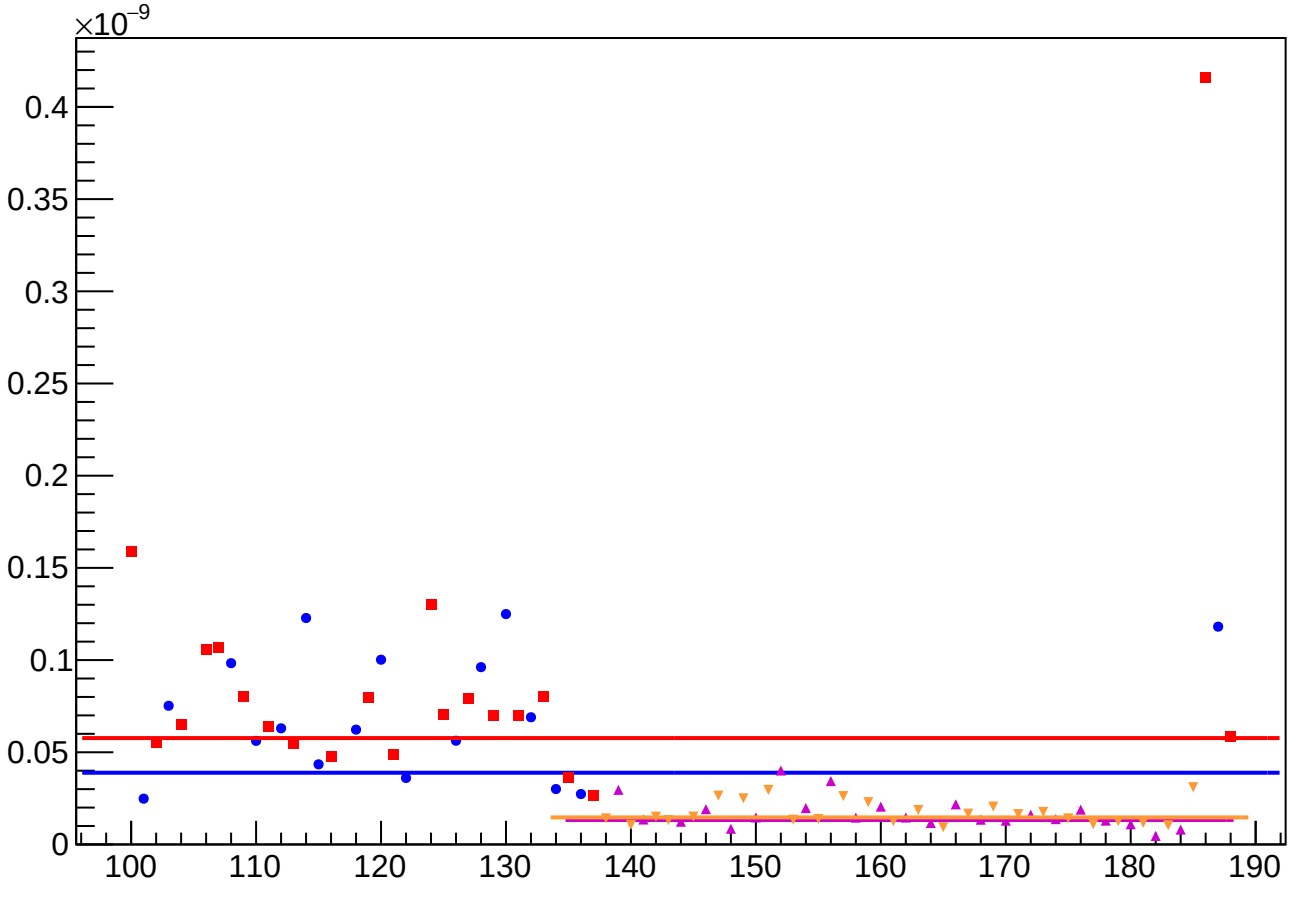
Left: 0.000+/-0.000 χ^2/NDF: 60.6/47

Right: -0.000+/-0.000 χ^2/NDF: 42.1/37

In: 0.000+/-0.000 χ^2/NDF:50.4/39

Out: -0.000+/-0.000 χ^2/NDF:53.8/45

All: -0.000+/-0.000 χ^2/NDF: 105.1/85



Right In: 0.000+/-0.000 χ^2/NDF: 1484715.7/16

Left Out: 0.000+/-0.000 χ^2/NDF:1073691.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 1048909.1/20

Left In: 0.000+/-0.000 χ^2/NDF:1970835.1/22

Left: 0.000+/-0.000 χ^2/NDF: 3099270.2/47

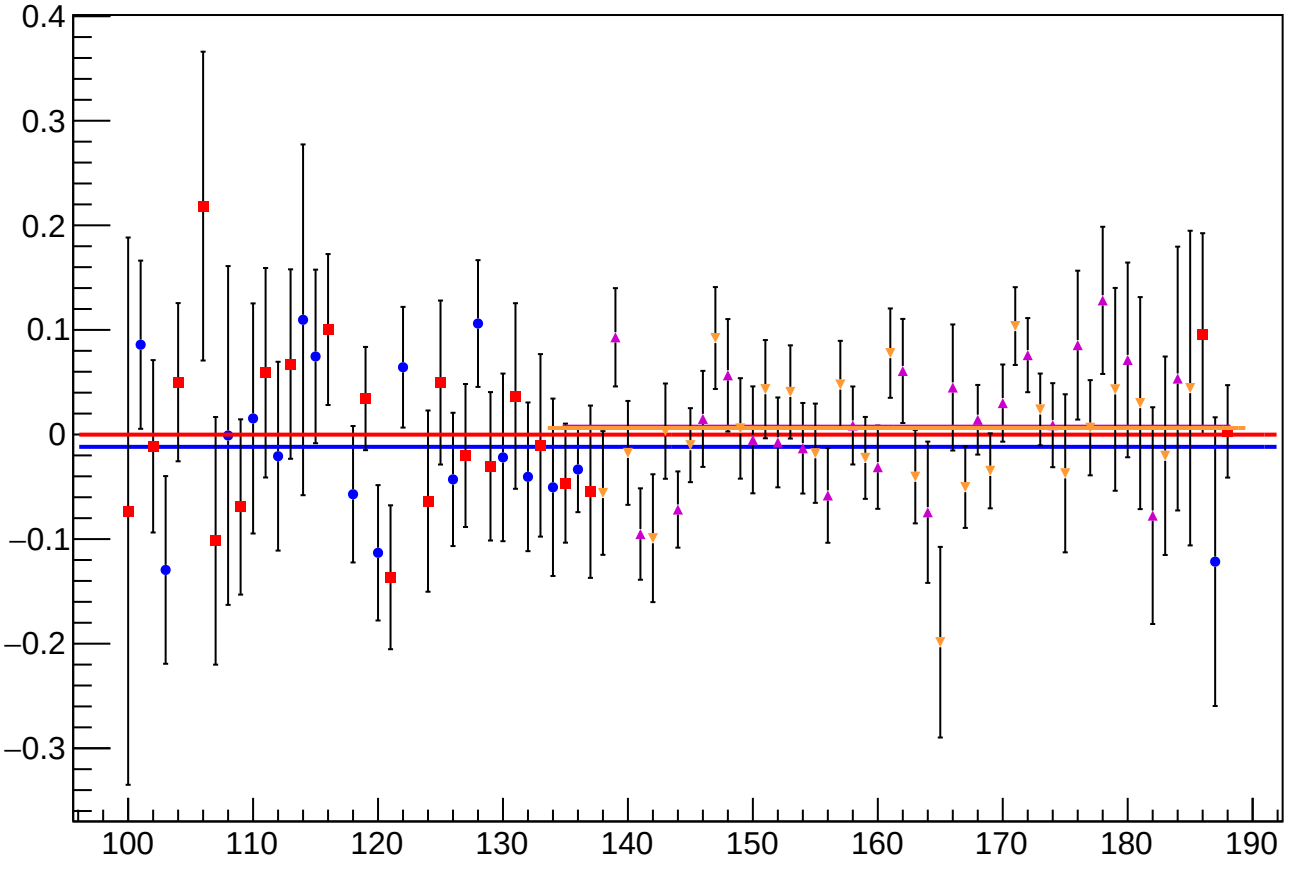
Right: 0.000+/-0.000 χ^2/NDF: 2958424.8/37

In: 0.000+/-0.000 χ^2/NDF:5445483.9/39

Out: 0.000+/-0.000 χ^2/NDF:5569716.6/45

All: 0.000+/-0.000 χ^2/NDF: 11075625.6/85

asym_sam_24_68_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.012+/-0.018 χ^2/NDF: 14.9/16

Left Out: 0.006+/-0.010 χ^2/NDF:30.8/24

Right Out: -0.000+/-0.016 χ^2/NDF: 14.9/20

Left In: 0.007+/-0.010 χ^2/NDF:30.4/22

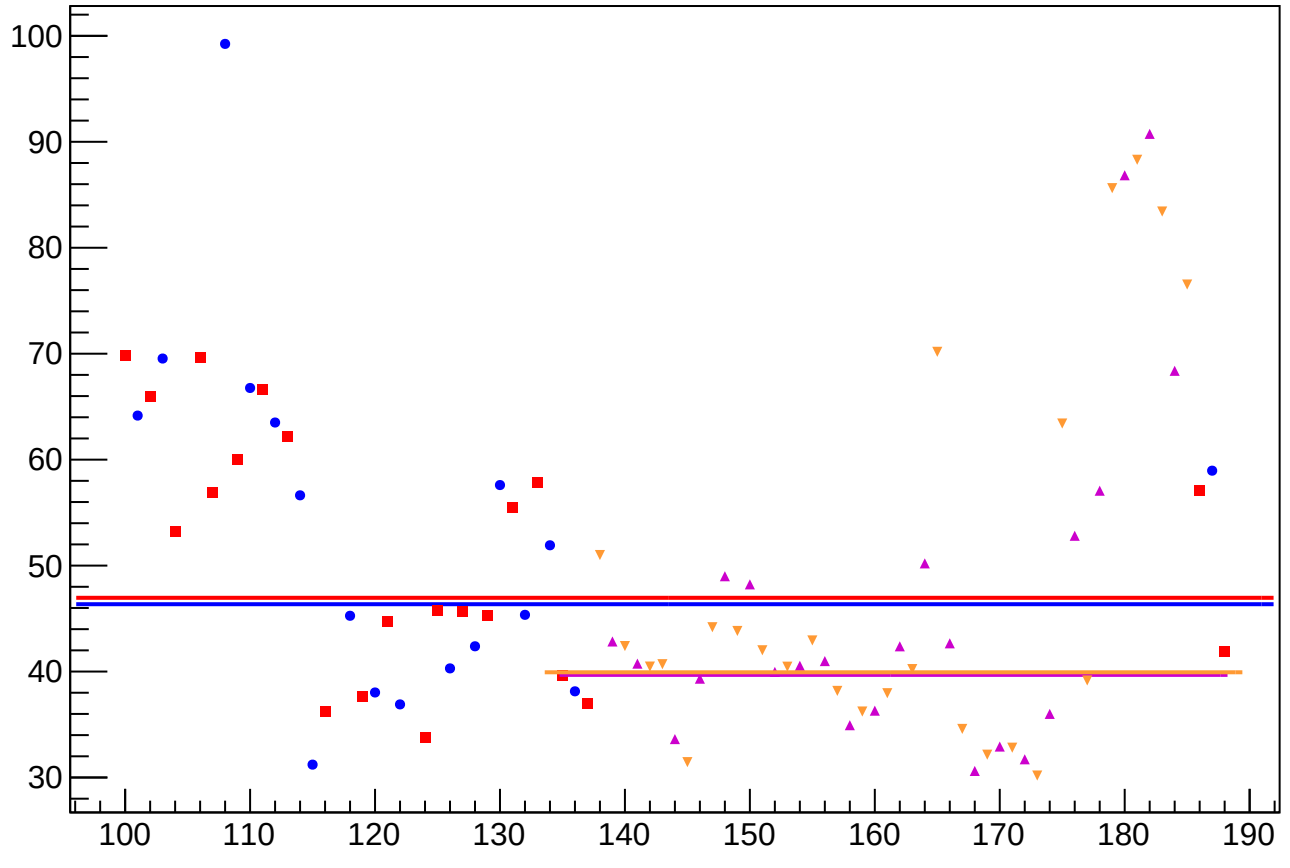
Left: 0.007+/-0.007 χ^2/NDF: 61.3/47

Right: -0.006+/-0.012 χ^2/NDF: 30.0/37

In: 0.003+/-0.009 χ^2/NDF:46.2/39

Out: 0.005+/-0.008 χ^2/NDF:45.8/45

All: 0.004+/-0.006 χ^2/NDF: 92.1/85



Right In: 46.356+/-0.013 χ^2/NDF: 920238.3/16

Left Out: 39.930+/-0.007 χ^2/NDF:2475485.4/24

Right Out: 46.961+/-0.012 χ^2/NDF: 703997.5/20

Left In: 39.686+/-0.007 χ^2/NDF:1915871.4/22

Left: 39.811+/-0.005 χ^2/NDF: 4391996.2/47

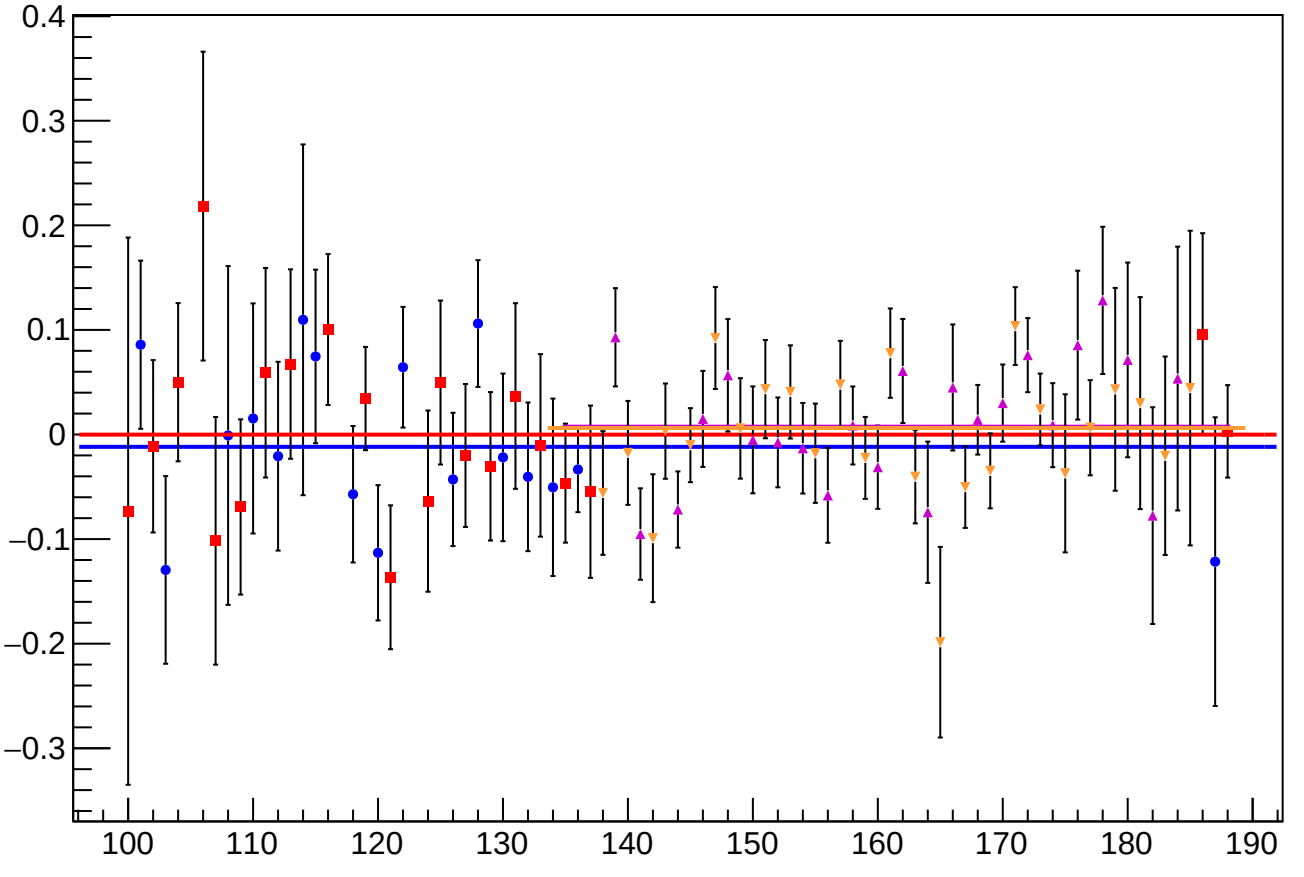
Right: 46.682+/-0.009 χ^2/NDF: 1625477.2/37

In: 41.225+/-0.006 χ^2/NDF:3051087.4/39

Out: 41.701+/-0.006 χ^2/NDF:3451247.7/45

All: 41.471+/-0.004 χ^2/NDF: 6505517.2/85

asym_sam_24_68_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.012+/-0.018 χ^2/NDF: 14.9/16

Left Out: 0.006+/-0.010 χ^2/NDF:30.8/24

Right Out: -0.000+/-0.016 χ^2/NDF: 14.9/20

Left In: 0.007+/-0.010 χ^2/NDF:30.4/22

Left: 0.007+/-0.007 χ^2/NDF: 61.3/47

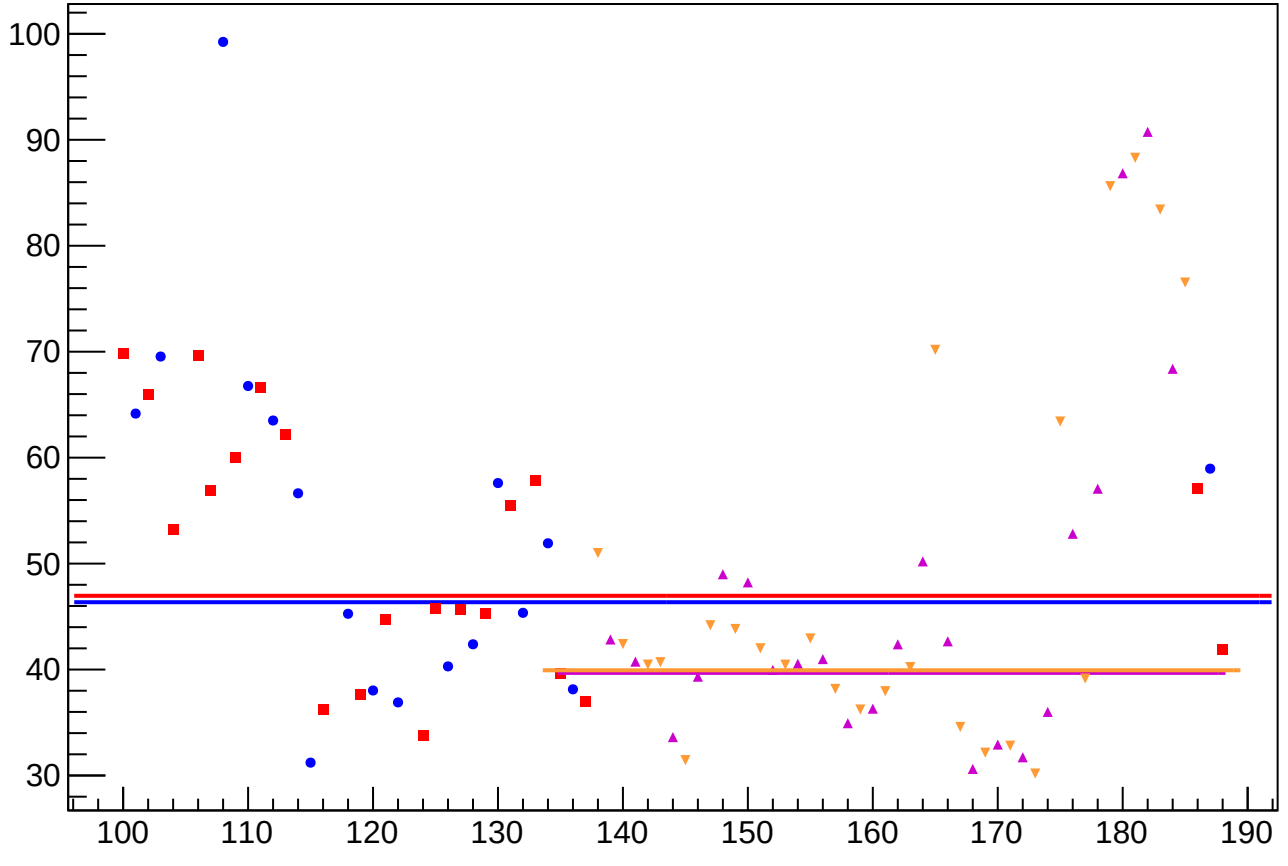
Right: -0.006+/-0.012 χ^2/NDF: 30.0/37

In: 0.003+/-0.009 χ^2/NDF:46.2/39

Out: 0.005+/-0.008 χ^2/NDF:45.8/45

All: 0.004+/-0.006 χ^2/NDF: 92.1/85

asym_sam_24_68_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 46.356+/-0.013 χ^2/NDF: 920238.3/16

Left Out: 39.930+/-0.007 χ^2/NDF:2475485.4/24

Right Out: 46.961+/-0.012 χ^2/NDF: 703997.5/20

Left In: 39.686+/-0.007 χ^2/NDF:1915871.4/22

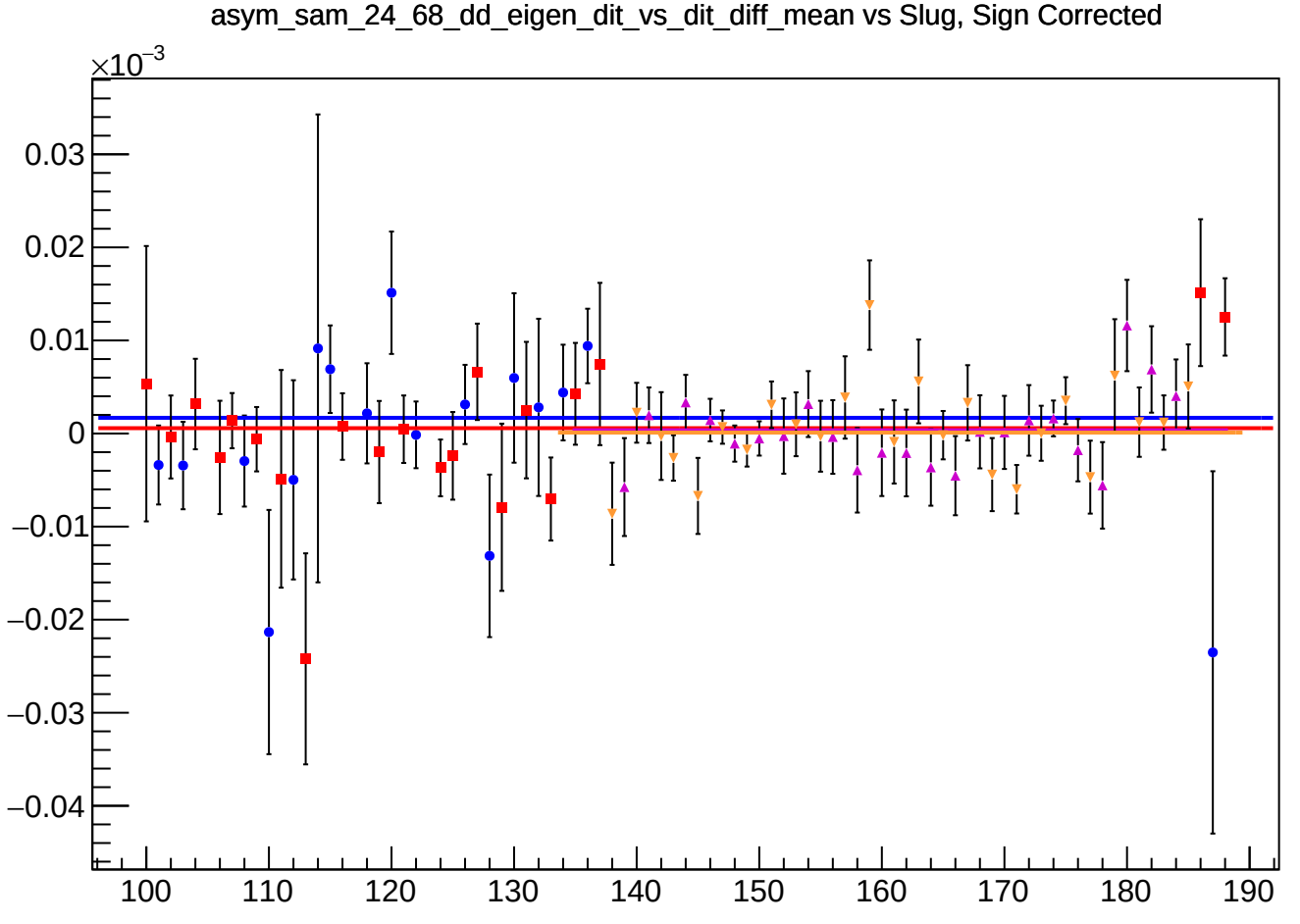
Left: 39.811+/-0.005 χ^2/NDF: 4391996.2/47

Right: 46.682+/-0.009 χ^2/NDF: 1625477.2/37

In: 41.225+/-0.006 χ^2/NDF:3051087.4/39

Out: 41.701+/-0.006 χ^2/NDF:3451247.7/45

All: 41.471+/-0.004 χ^2/NDF: 6505517.2/85



Right In: 0.000+/-0.000 χ^2/NDF: 21.7/16

Left Out: 0.000+/-0.000 χ^2/NDF:33.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 26.5/20

Left In: 0.000+/-0.000 χ^2/NDF:18.7/22

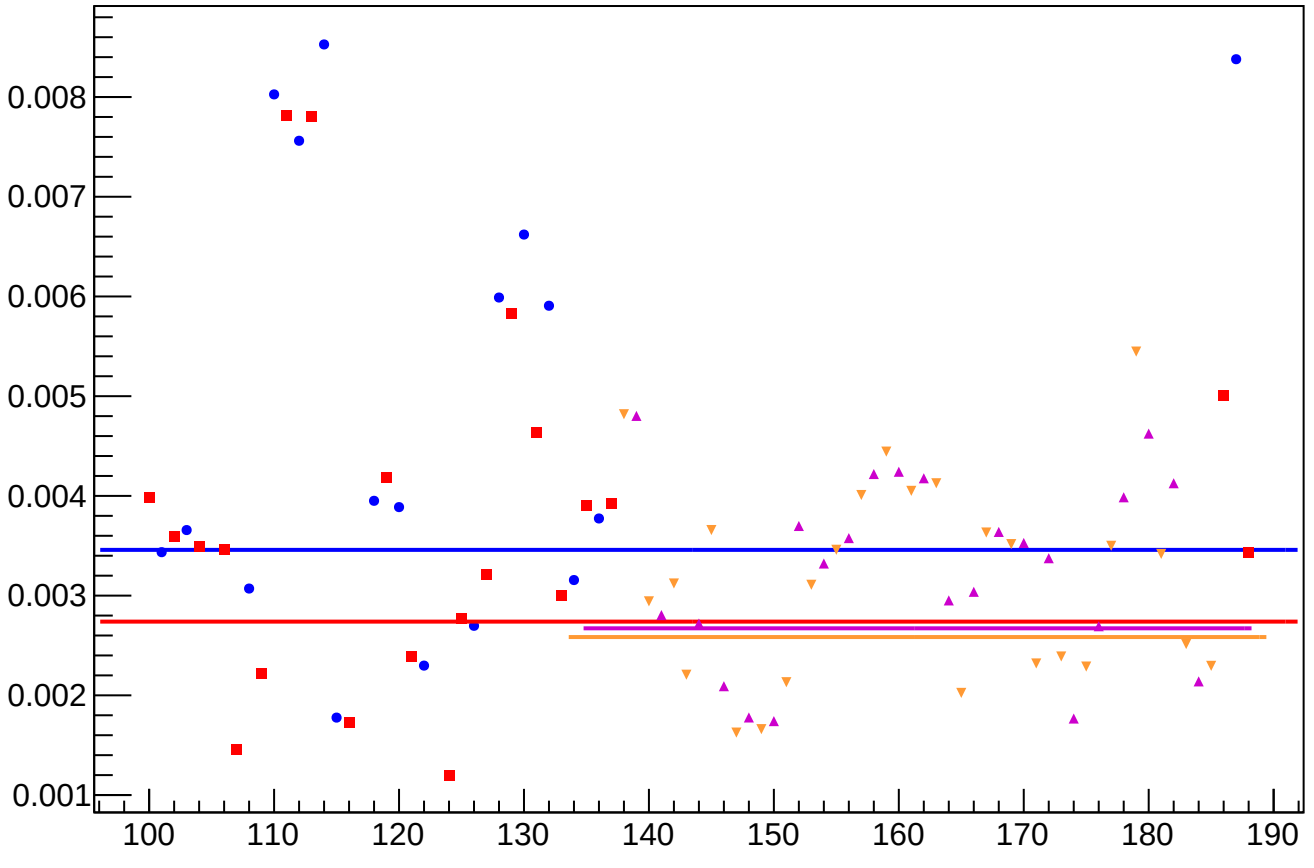
Left: 0.000+/-0.000 χ^2/NDF: 52.0/47

Right: 0.000+/-0.000 χ^2/NDF: 48.5/37

In: 0.000+/-0.000 χ^2/NDF:41.1/39

Out: 0.000+/-0.000 χ^2/NDF:59.8/45

All: 0.000+/-0.000 χ^2/NDF: 101.2/85



Right In: 0.003+/-0.000 χ^2/NDF: 1877007.2/16

Left Out: 0.003+/-0.000 χ^2/NDF:3892707.7/24

Right Out: 0.003+/-0.000 χ^2/NDF: 2932824.1/20

Left In: 0.003+/-0.000 χ^2/NDF:3825662.0/22

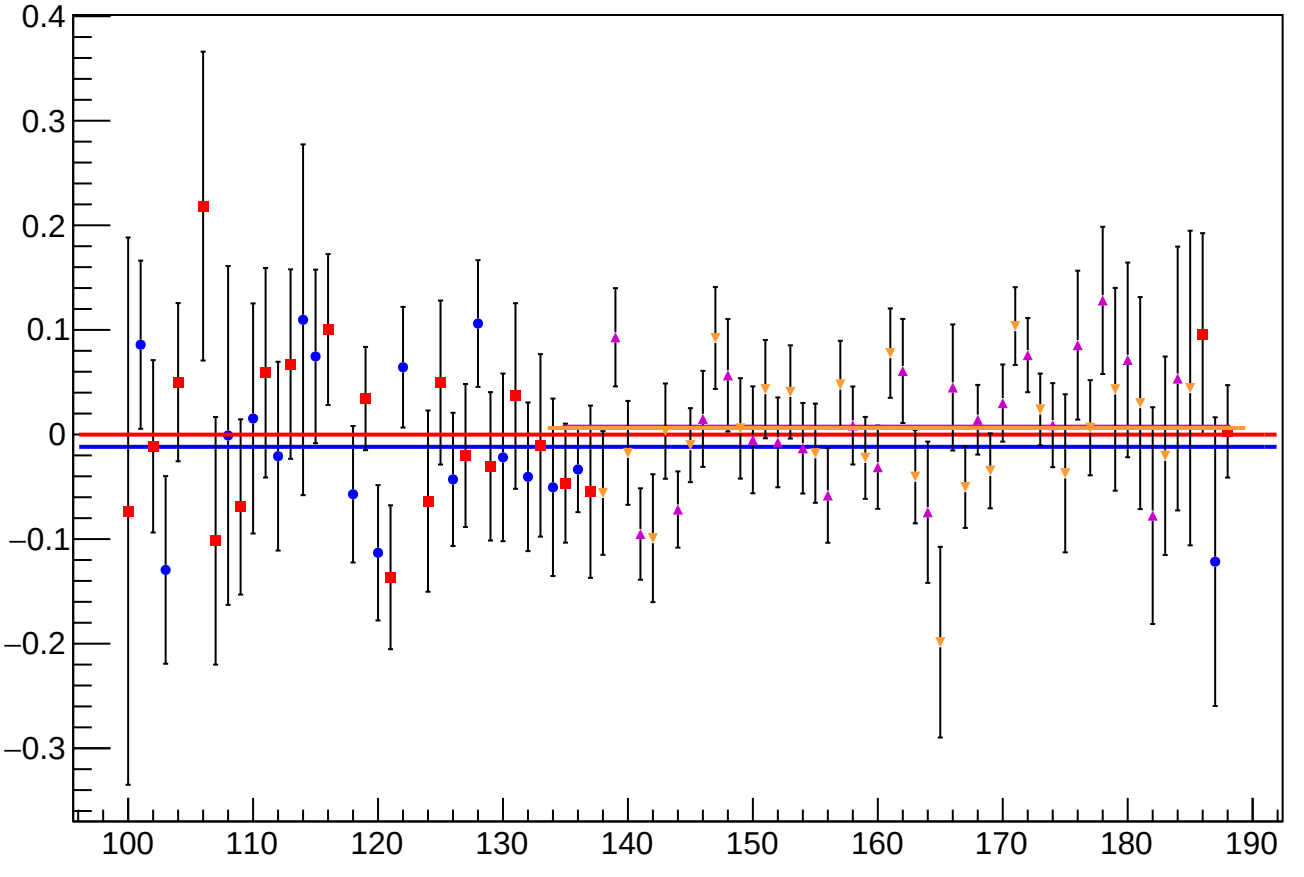
Left: 0.003+/-0.000 χ^2/NDF: 7736624.4/47

Right: 0.003+/-0.000 χ^2/NDF: 5158879.0/37

In: 0.003+/-0.000 χ^2/NDF:6235730.9/39

Out: 0.003+/-0.000 χ^2/NDF:6857842.3/45

All: 0.003+/-0.000 χ^2/NDF: 13214720.3/85



Right In: -0.012+/-0.018 χ^2/NDF: 14.9/16

Left Out: 0.006+/-0.010 χ^2/NDF:30.8/24

Right Out: -0.000+/-0.016 χ^2/NDF: 14.9/20

Left In: 0.007+/-0.010 χ^2/NDF:30.4/22

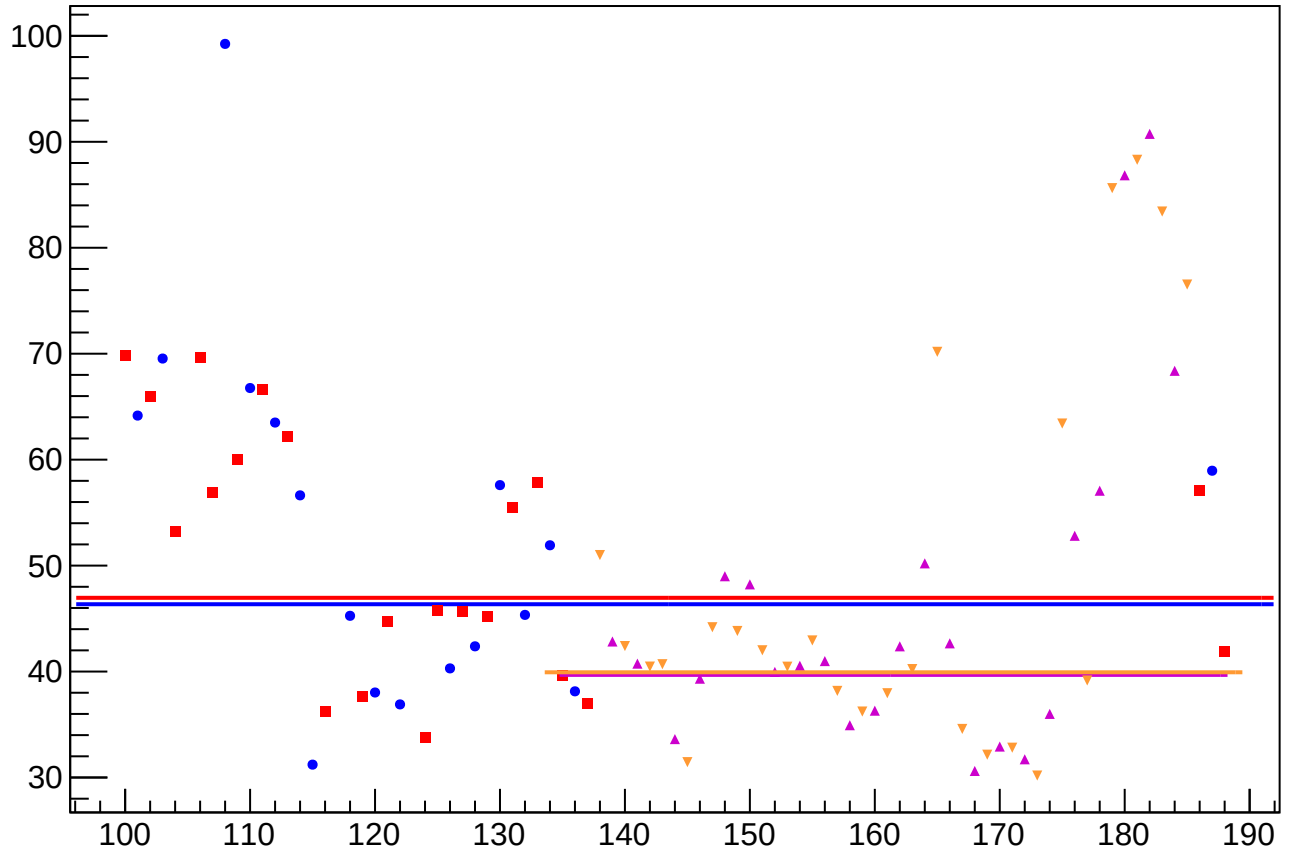
Left: 0.007+/-0.007 χ^2/NDF: 61.3/47

Right: -0.006+/-0.012 χ^2/NDF: 30.0/37

In: 0.003+/-0.009 χ^2/NDF:46.2/39

Out: 0.005+/-0.008 χ^2/NDF:45.8/45

All: 0.004+/-0.006 χ^2/NDF: 92.0/85



Right In: 46.354+/-0.013 χ^2/NDF: 920204.7/16

Left Out: 39.930+/-0.007 χ^2/NDF:2475527.1/24

Right Out: 46.960+/-0.012 χ^2/NDF: 703974.2/20

Left In: 39.685+/-0.007 χ^2/NDF:1915901.2/22

Left: 39.810+/-0.005 χ^2/NDF: 4392069.1/47

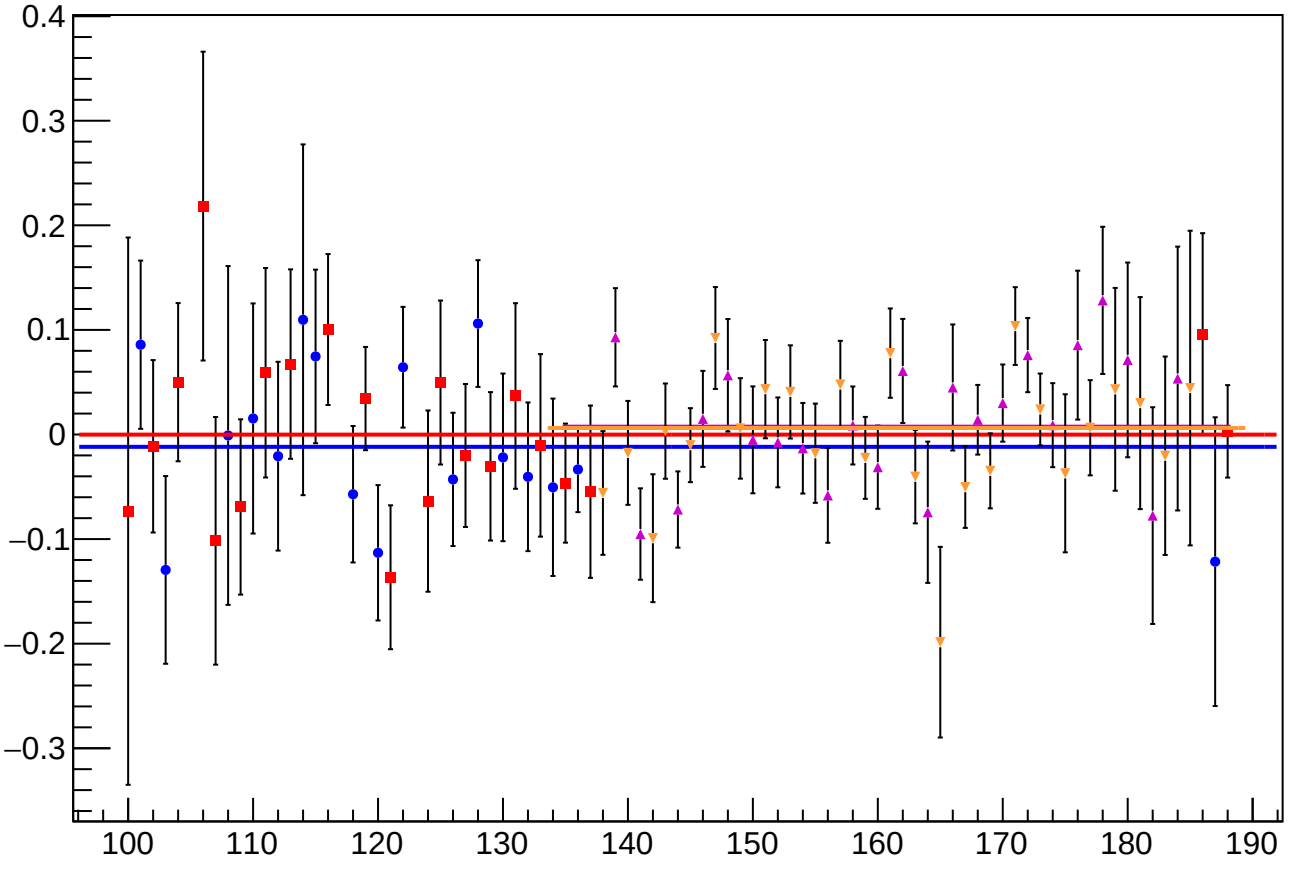
Right: 46.681+/-0.009 χ^2/NDF: 1625423.6/37

In: 41.225+/-0.006 χ^2/NDF:3051004.5/39

Out: 41.701+/-0.006 χ^2/NDF:3451203.2/45

All: 41.471+/-0.004 χ^2/NDF: 6505394.6/85

asym_sam_24_68_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.012+/-0.018 χ^2/NDF: 14.9/16

Left Out: 0.006+/-0.010 χ^2/NDF:30.8/24

Right Out: -0.000+/-0.016 χ^2/NDF: 14.9/20

Left In: 0.007+/-0.010 χ^2/NDF:30.4/22

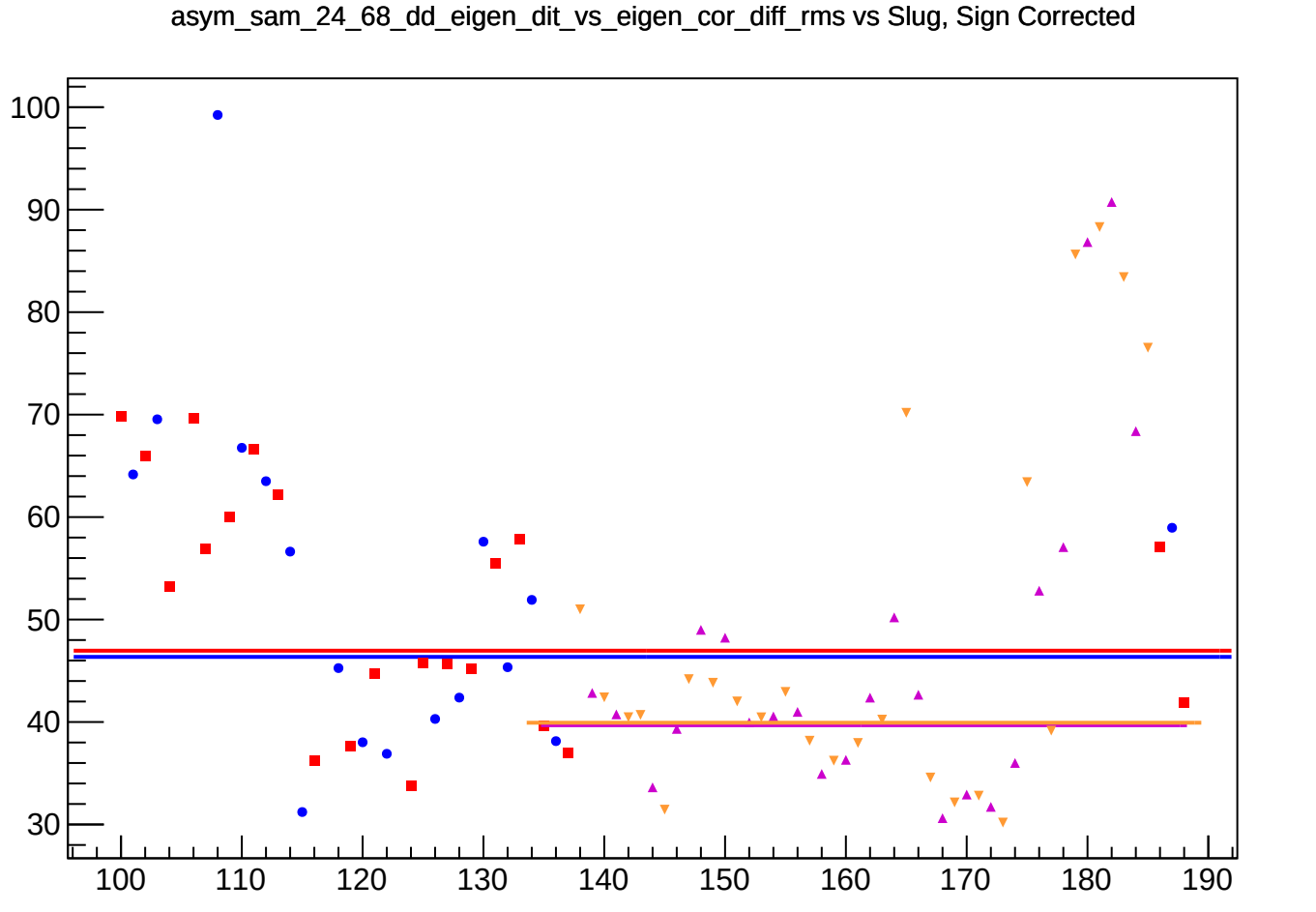
Left: 0.007+/-0.007 χ^2/NDF: 61.3/47

Right: -0.006+/-0.012 χ^2/NDF: 30.0/37

In: 0.003+/-0.009 χ^2/NDF:46.2/39

Out: 0.005+/-0.008 χ^2/NDF:45.8/45

All: 0.004+/-0.006 χ^2/NDF: 92.0/85



Right In: 46.354+/-0.013 χ^2/NDF: 920204.7/16

Left Out: 39.930+/-0.007 χ^2/NDF:2475527.1/24

Right Out: 46.960+/-0.012 χ^2/NDF: 703974.2/20

Left In: 39.685+/-0.007 χ^2/NDF:1915901.2/22

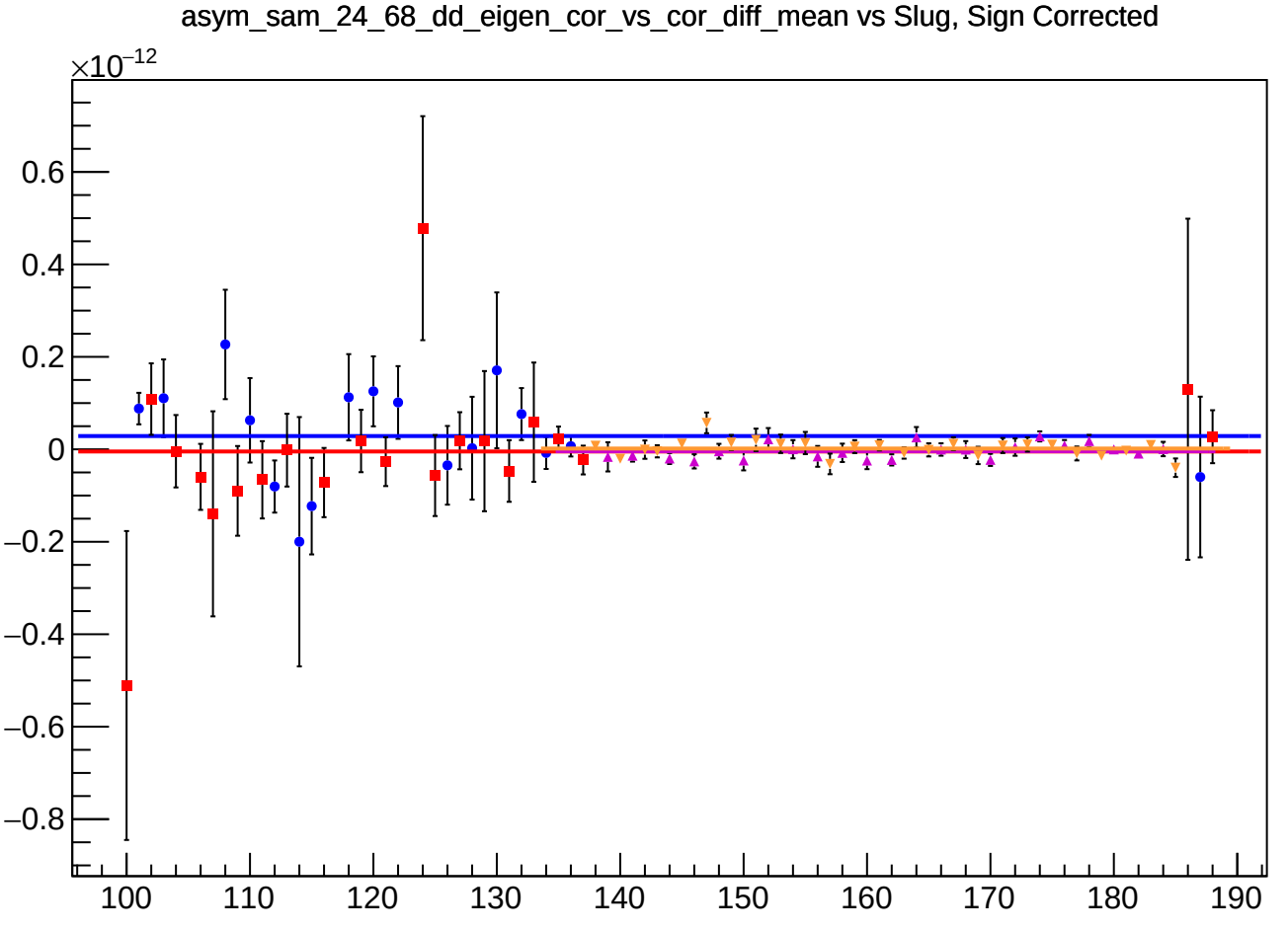
Left: 39.810+/-0.005 χ^2/NDF: 4392069.1/47

Right: 46.681+/-0.009 χ^2/NDF: 1625423.6/37

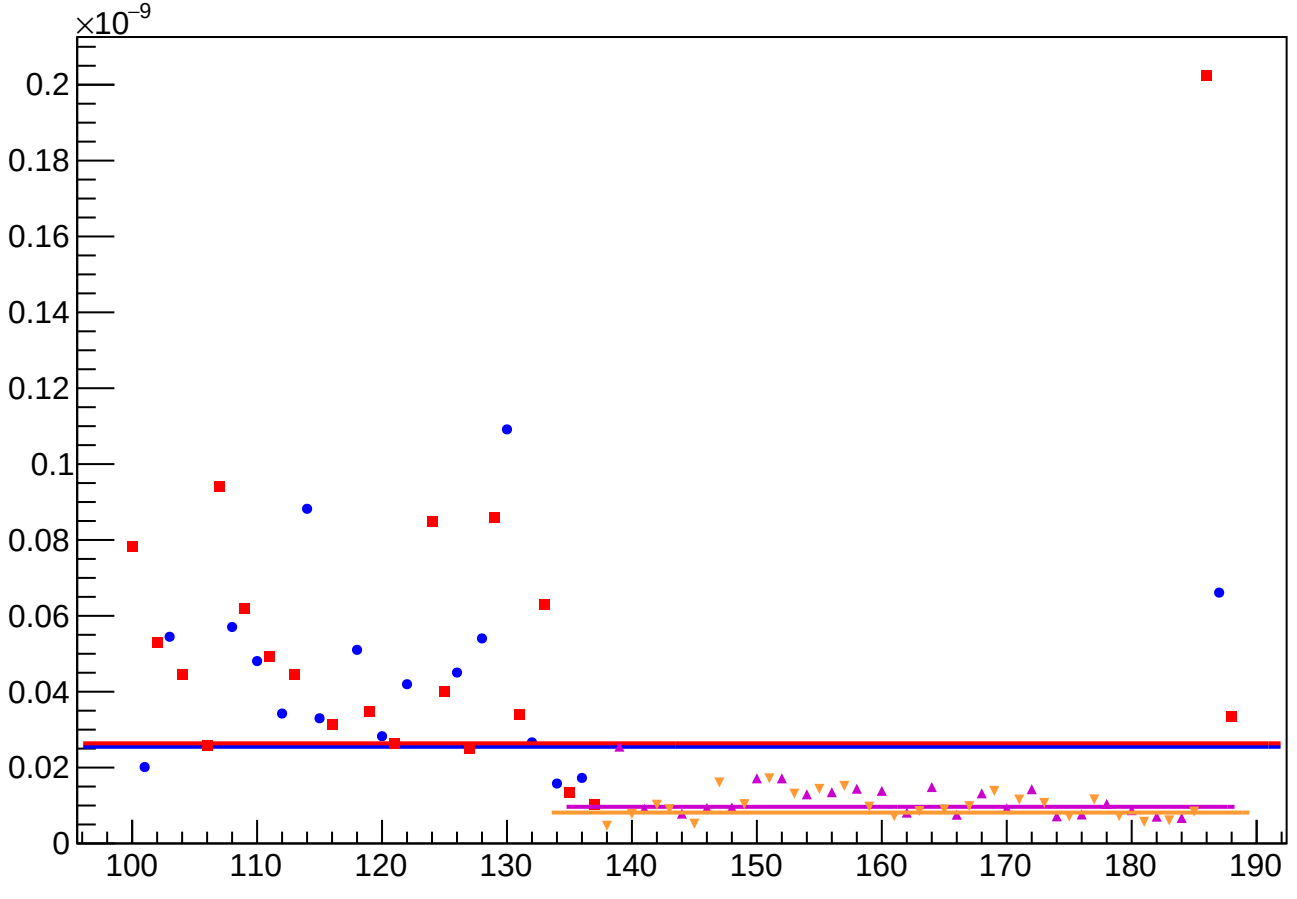
In: 41.225+/-0.006 χ^2/NDF:3051004.5/39

Out: 41.701+/-0.006 χ^2/NDF:3451203.2/45

All: 41.471+/-0.004 χ^2/NDF: 6505394.6/85


asym_sam_24_68_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
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 21.2/16
Left Out: 0.000+/-0.000 χ²/NDF:28.0/24
Right Out: -0.000+/-0.000 χ²/NDF: 14.7/20
Left In: -0.000+/-0.000 χ²/NDF:27.5/22
Left: -0.000+/-0.000 χ²/NDF: 57.5/47
Right: 0.000+/-0.000 χ²/NDF: 38.9/37
In: -0.000+/-0.000 χ²/NDF:54.3/39
Out: 0.000+/-0.000 χ²/NDF:42.9/45
All: -0.000+/-0.000 χ²/NDF: 98.1/85

asym_sam_24_68_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2227999.2/16

Left Out: 0.000+/-0.000 χ^2/NDF:2354980.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3280822.7/20

Left In: 0.000+/-0.000 χ^2/NDF:2106161.0/22

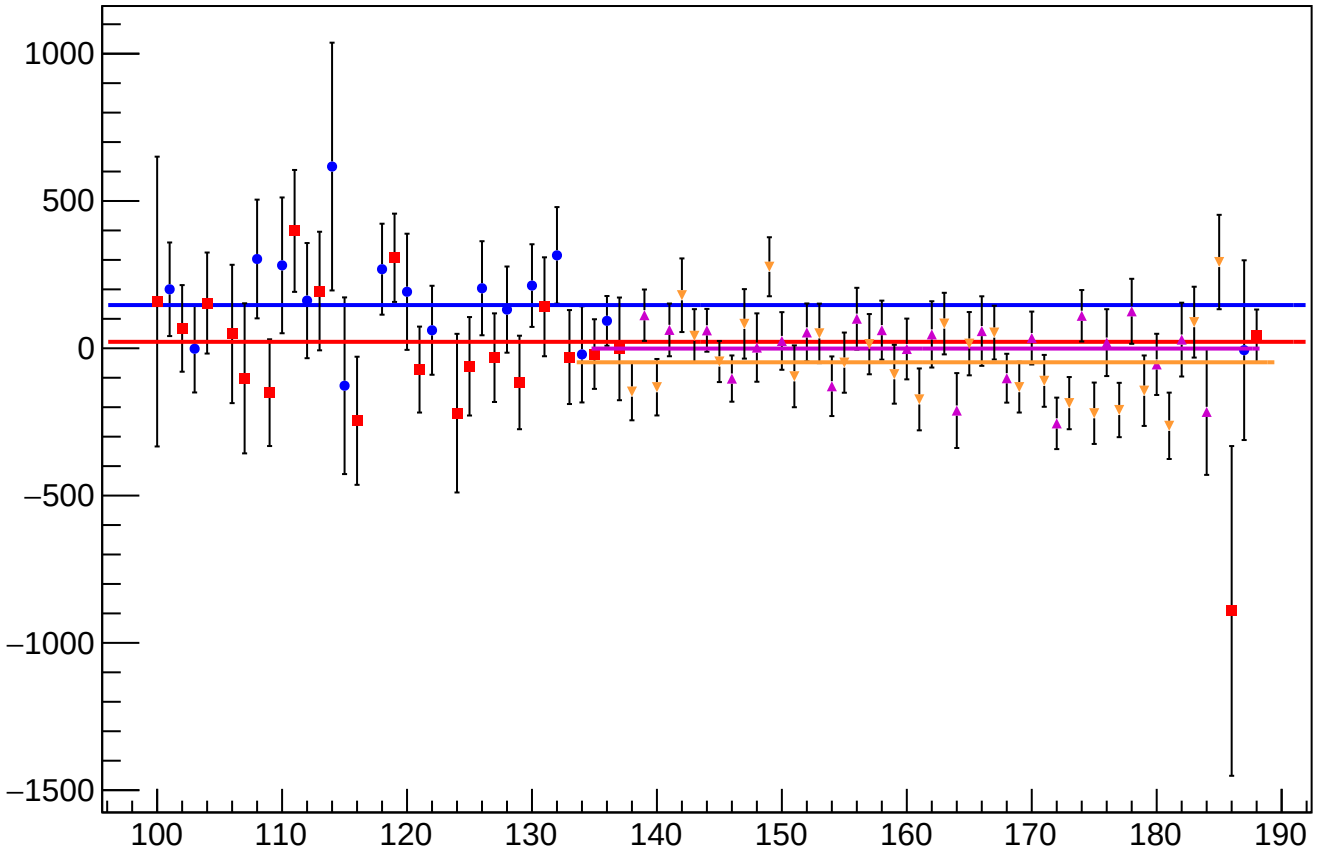
Left: 0.000+/-0.000 χ^2/NDF: 4748302.8/47

Right: 0.000+/-0.000 χ^2/NDF: 5513222.3/37

In: 0.000+/-0.000 χ^2/NDF:6956329.9/39

Out: 0.000+/-0.000 χ^2/NDF:8968187.1/45

All: 0.000+/-0.000 χ^2/NDF: 16293559.0/85



Right In: 146.713+/-39.356 χ^2/NDF: 8.3/16

Left Out: -47.524+/-19.983 χ^2/NDF:44.0/24

Right Out: 21.915+/-36.515 χ^2/NDF: 16.9/20

Left In: -0.986+/-20.604 χ^2/NDF:25.5/22

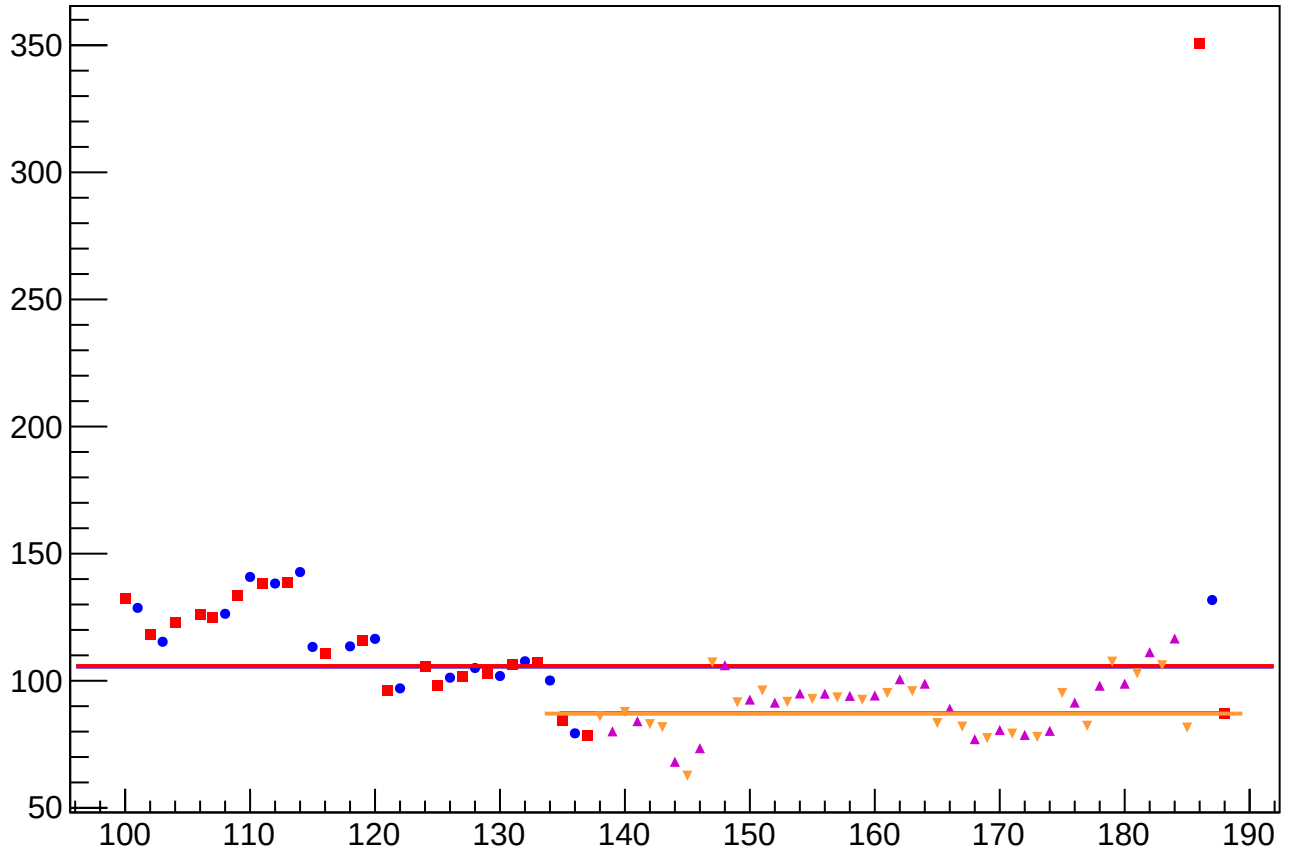
Left: -24.966+/-14.345 χ^2/NDF: 72.1/47

Right: 79.648+/-26.768 χ^2/NDF: 30.6/37

In: 30.787+/-18.254 χ^2/NDF:44.8/39

Out: -31.520+/-17.530 χ^2/NDF:63.7/45

All: -1.627+/-12.644 χ^2/NDF: 114.5/85



Right In: 105.589+/-0.028 χ^2/NDF: 423381.2/16

Left Out: 87.072+/-0.014 χ^2/NDF:620626.5/24

Right Out: 105.779+/-0.026 χ^2/NDF: 825409.0/20

Left In: 87.257+/-0.015 χ^2/NDF:595793.1/22

Left: 87.161+/-0.010 χ^2/NDF: 1216502.5/47

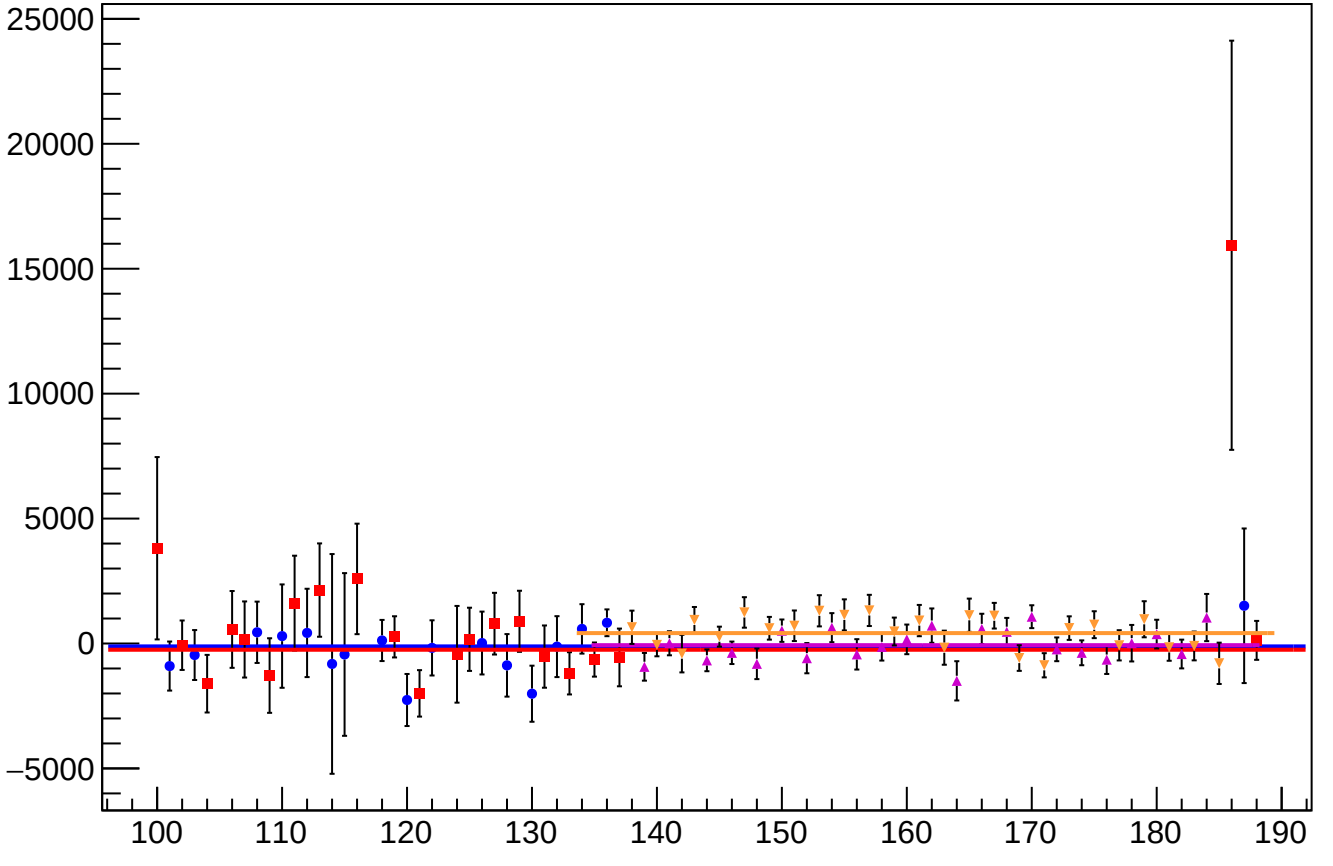
Right: 105.691+/-0.019 χ^2/NDF: 1248815.2/37

In: 91.200+/-0.013 χ^2/NDF:1359797.6/39

Out: 91.383+/-0.012 χ^2/NDF:1850005.8/45

All: 91.295+/-0.009 χ^2/NDF: 3209907.8/85

asym_sam_26_48_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: -115.803+/-267.604 χ^2/NDF: 12.6/16

Left Out: 416.424+/-112.336 χ^2/NDF:32.4/24

Right Out: -250.231+/-255.099 χ^2/NDF: 19.2/20

Left In: -66.675+/-115.419 χ^2/NDF:27.5/22

Left: 181.413+/-80.501 χ^2/NDF: 68.9/47

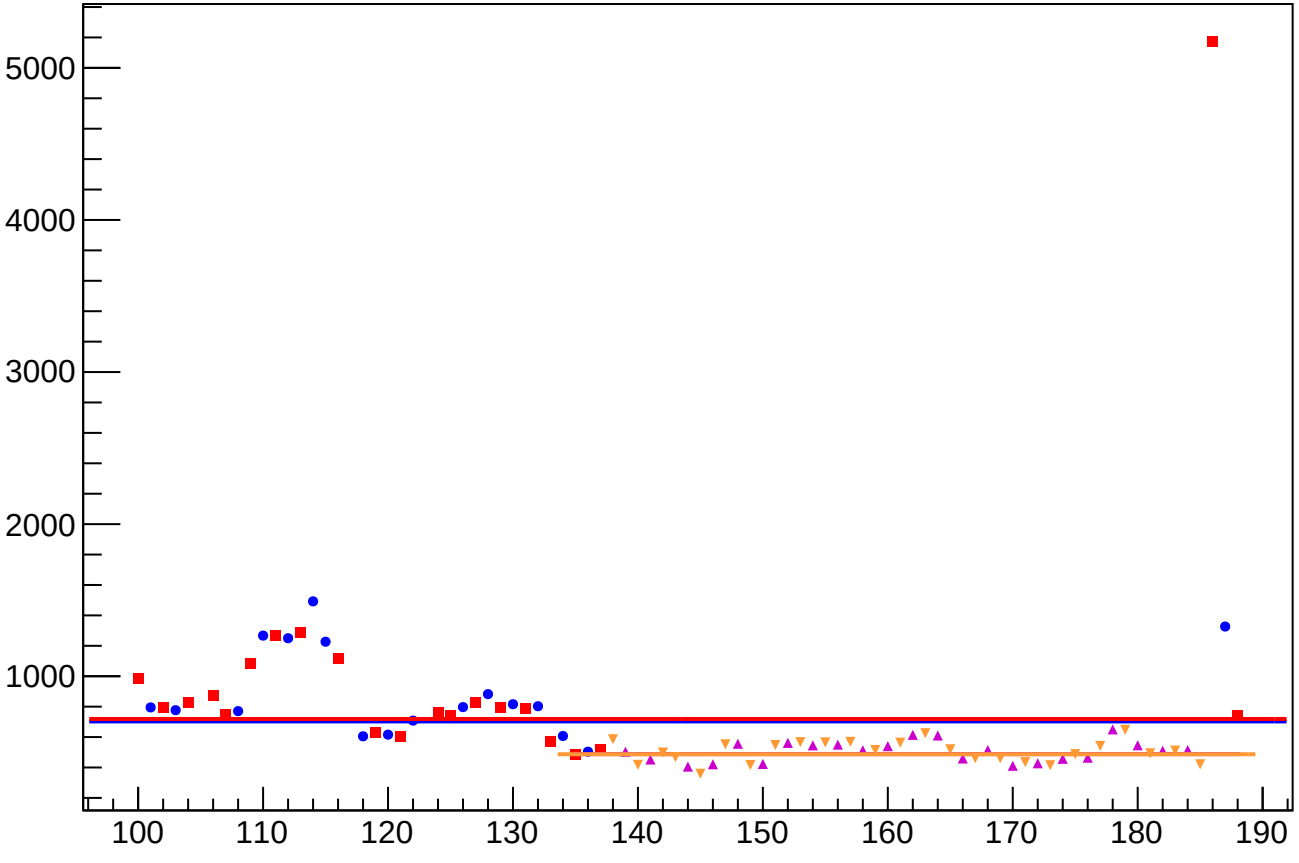
Right: -186.231+/-184.645 χ^2/NDF: 31.9/37

In: -74.381+/-105.982 χ^2/NDF:40.1/39

Out: 308.145+/-102.809 χ^2/NDF:57.3/45

All: 122.693+/-73.793 χ^2/NDF: 104.2/85

asym_sam_26_48_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 702.758+/-0.189 χ^2/NDF: 994823.2/16

Left Out: 487.081+/-0.079 χ^2/NDF:821265.9/24

Right Out: 718.959+/-0.180 χ^2/NDF: 1630676.0/20

Left In: 487.930+/-0.082 χ^2/NDF:634269.5/22

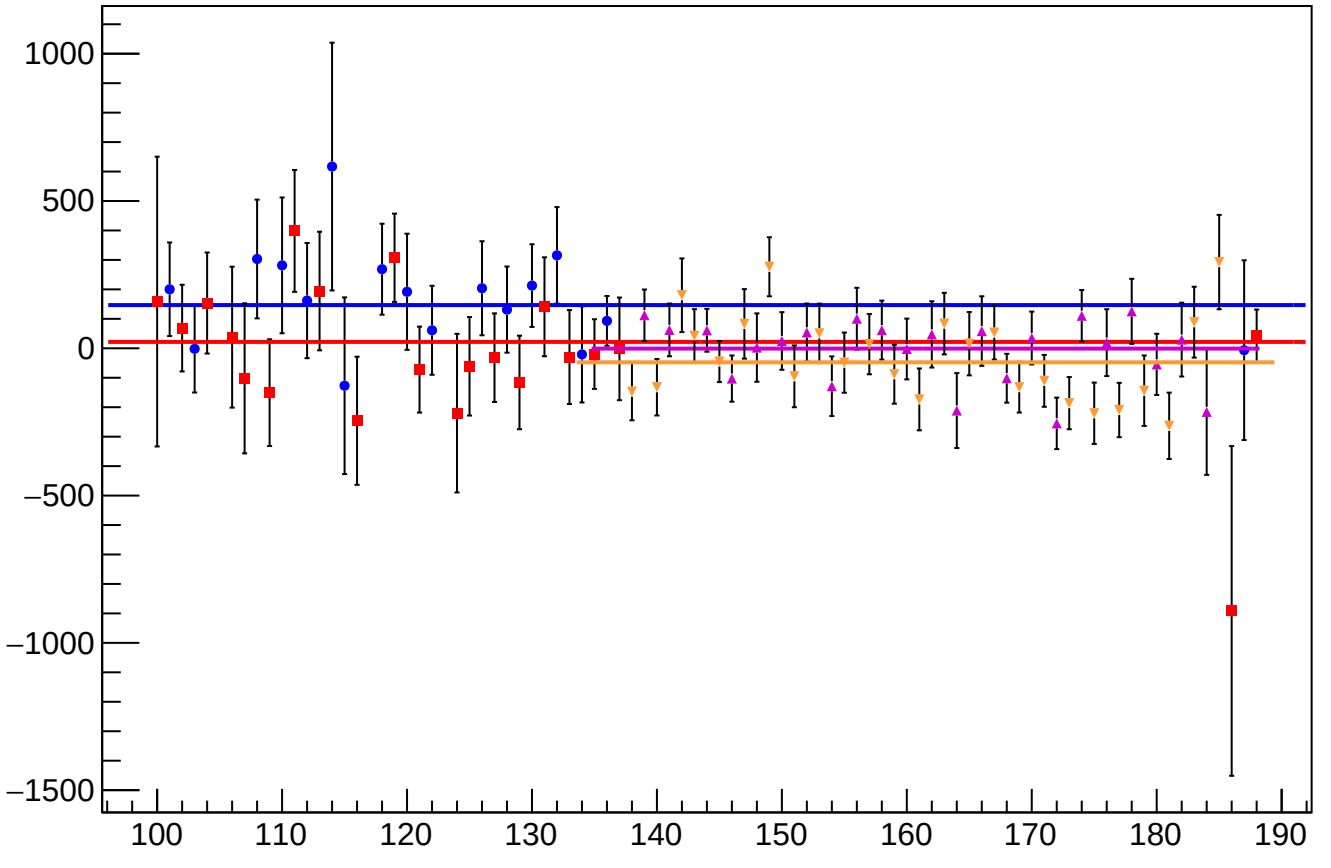
Left: 487.494+/-0.057 χ^2/NDF: 1455591.1/47

Right: 711.246+/-0.131 χ^2/NDF: 2629339.5/37

In: 521.625+/-0.075 χ^2/NDF:2715844.7/39

Out: 524.743+/-0.073 χ^2/NDF:3836008.2/45

All: 523.231+/-0.052 χ^2/NDF: 6552744.5/85



Right In: 146.704+/-39.356 χ^2/NDF: 8.3/16

Left Out: -47.532+/-19.983 χ^2/NDF:44.0/24

Right Out: 21.706+/-36.531 χ^2/NDF: 16.9/20

Left In: -0.988+/-20.604 χ^2/NDF:25.5/22

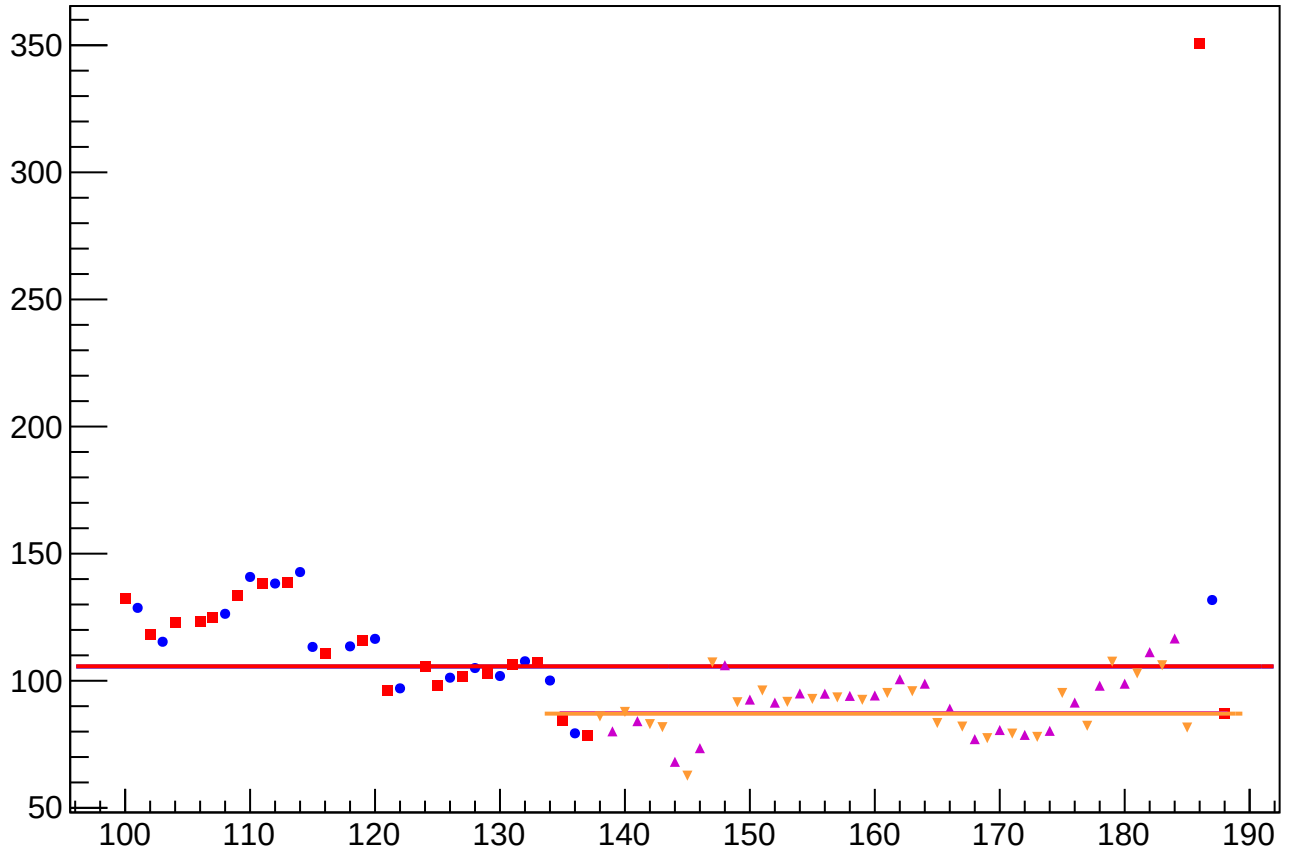
Left: -24.971+/-14.345 χ^2/NDF: 72.1/47

Right: 79.559+/-26.774 χ^2/NDF: 30.6/37

In: 30.784+/-18.254 χ^2/NDF:44.8/39

Out: -31.586+/-17.532 χ^2/NDF:63.7/45

All: -1.659+/-12.644 χ^2/NDF: 114.5/85



Right In: 105.589+/-0.028 χ^2/NDF: 423381.4/16

Left Out: 87.072+/-0.014 χ^2/NDF:620626.5/24

Right Out: 105.697+/-0.026 χ^2/NDF: 821200.2/20

Left In: 87.257+/-0.015 χ^2/NDF:595793.1/22

Left: 87.161+/-0.010 χ^2/NDF: 1216502.6/47

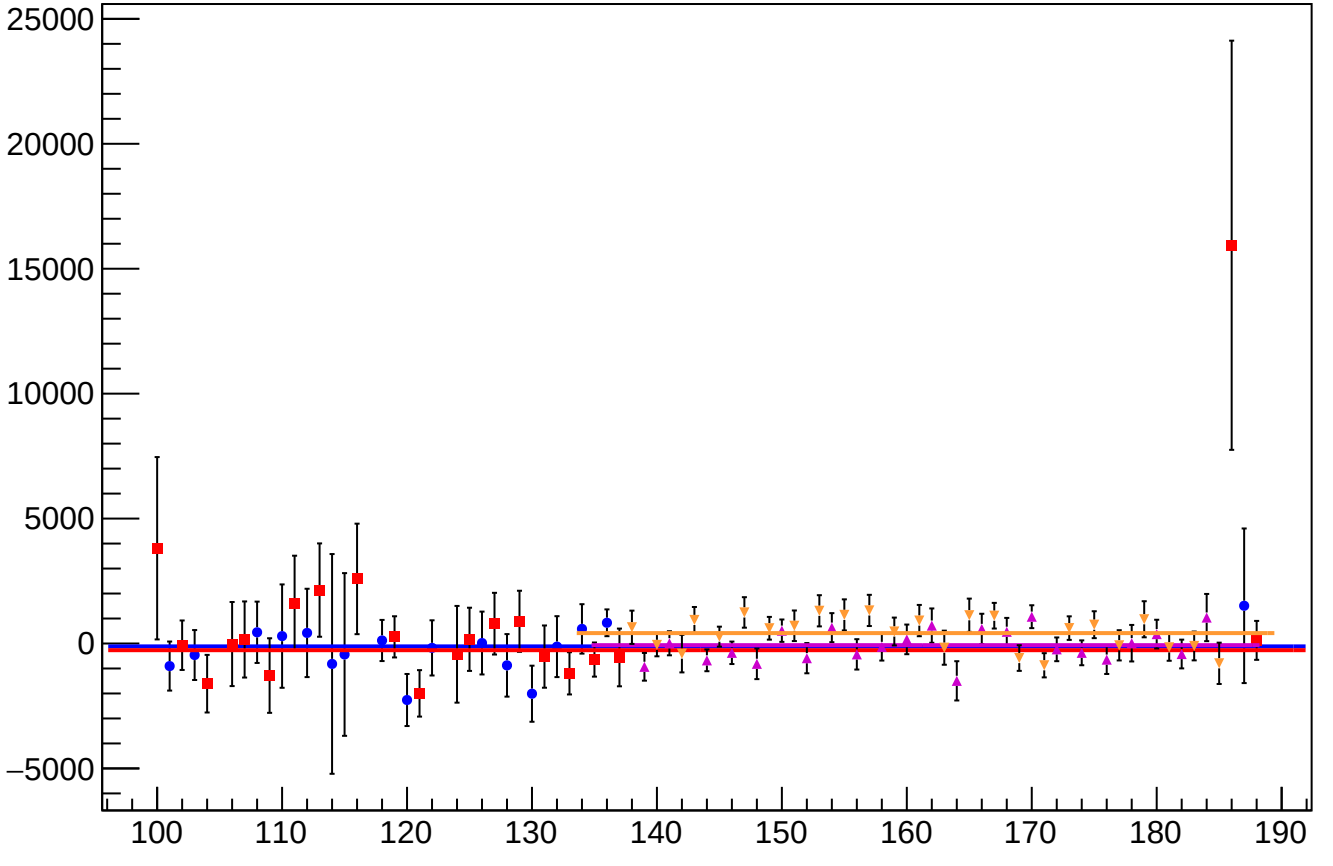
Right: 105.647+/-0.019 χ^2/NDF: 1244589.7/37

In: 91.200+/-0.013 χ^2/NDF:1359798.0/39

Out: 91.361+/-0.012 χ^2/NDF:1841975.8/45

All: 91.284+/-0.009 χ^2/NDF: 3201854.7/85

asym_sam_26_48_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: -115.794+/-267.605 χ^2/NDF: 12.6/16

Left Out: 416.416+/-112.336 χ^2/NDF:32.4/24

Right Out: -267.435+/-255.692 χ^2/NDF: 18.9/20

Left In: -66.674+/-115.419 χ^2/NDF:27.5/22

Left: 181.409+/-80.501 χ^2/NDF: 68.9/47

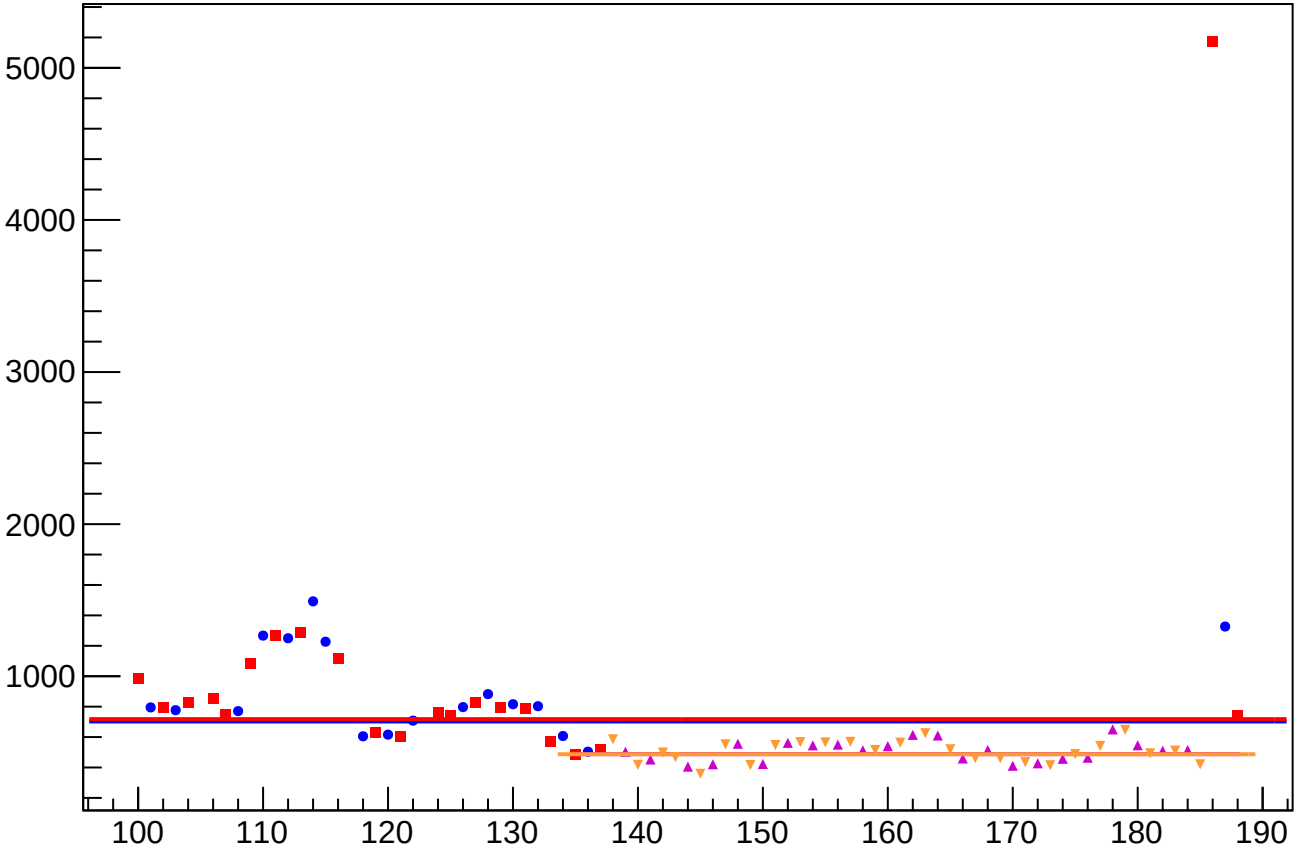
Right: -195.065+/-184.870 χ^2/NDF: 31.7/37

In: -74.378+/-105.982 χ^2/NDF:40.1/39

Out: 305.775+/-102.848 χ^2/NDF:57.4/45

All: 121.402+/-73.807 χ^2/NDF: 104.1/85

asym_sam_26_48_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 702.759+/-0.189 χ^2/NDF: 994832.5/16

Left Out: 487.081+/-0.079 χ^2/NDF:821261.6/24

Right Out: 717.802+/-0.181 χ^2/NDF: 1623245.7/20

Left In: 487.930+/-0.082 χ^2/NDF:634273.3/22

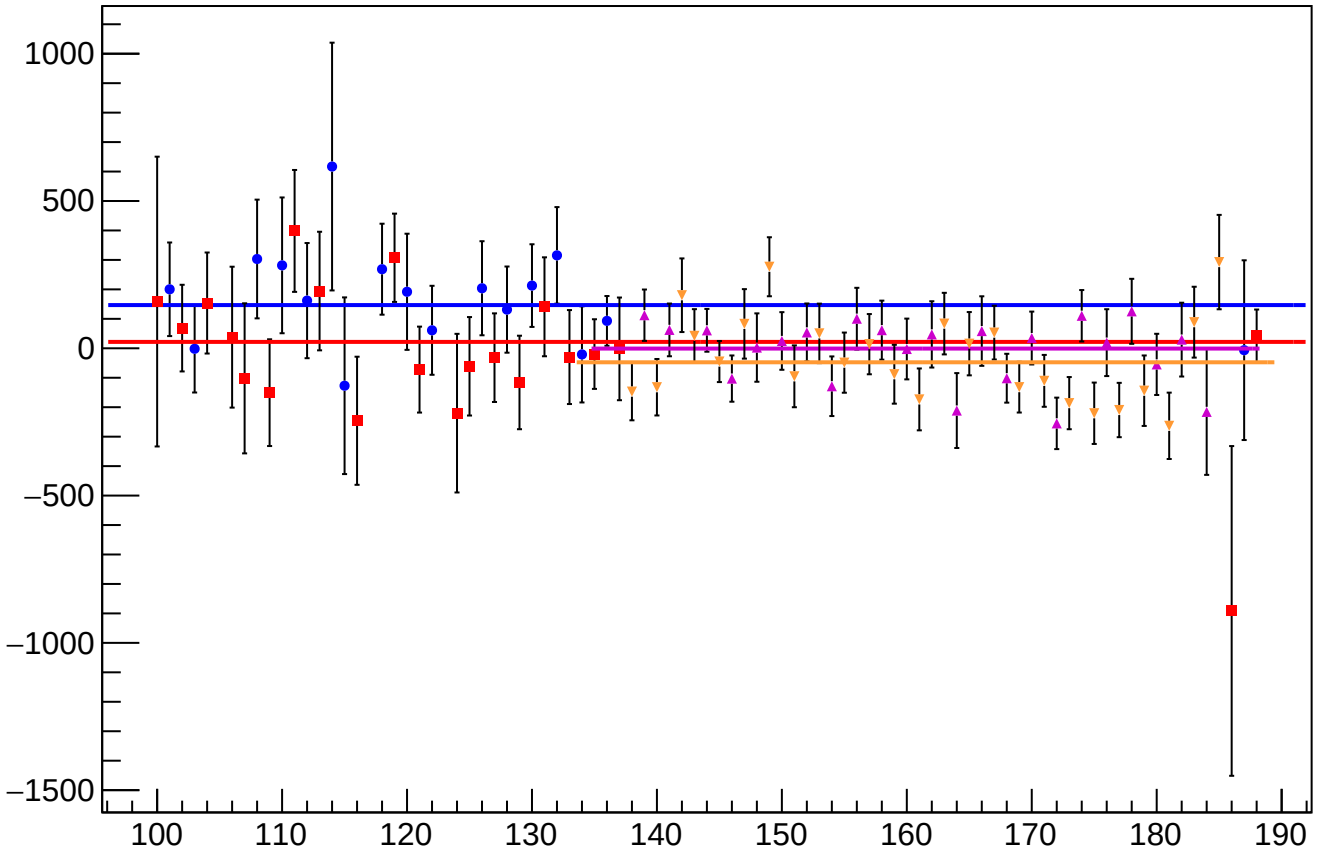
Left: 487.494+/-0.057 χ^2/NDF: 1455590.6/47

Right: 710.622+/-0.131 χ^2/NDF: 2621381.9/37

In: 521.625+/-0.075 χ^2/NDF:2715861.6/39

Out: 524.410+/-0.073 χ^2/NDF:3809470.5/45

All: 523.059+/-0.052 χ^2/NDF: 6526043.1/85



Right In: 146.704+/-39.356 χ^2/NDF: 8.3/16

Left Out: -47.532+/-19.983 χ^2/NDF:44.0/24

Right Out: 21.706+/-36.531 χ^2/NDF: 16.9/20

Left In: -0.988+/-20.604 χ^2/NDF:25.5/22

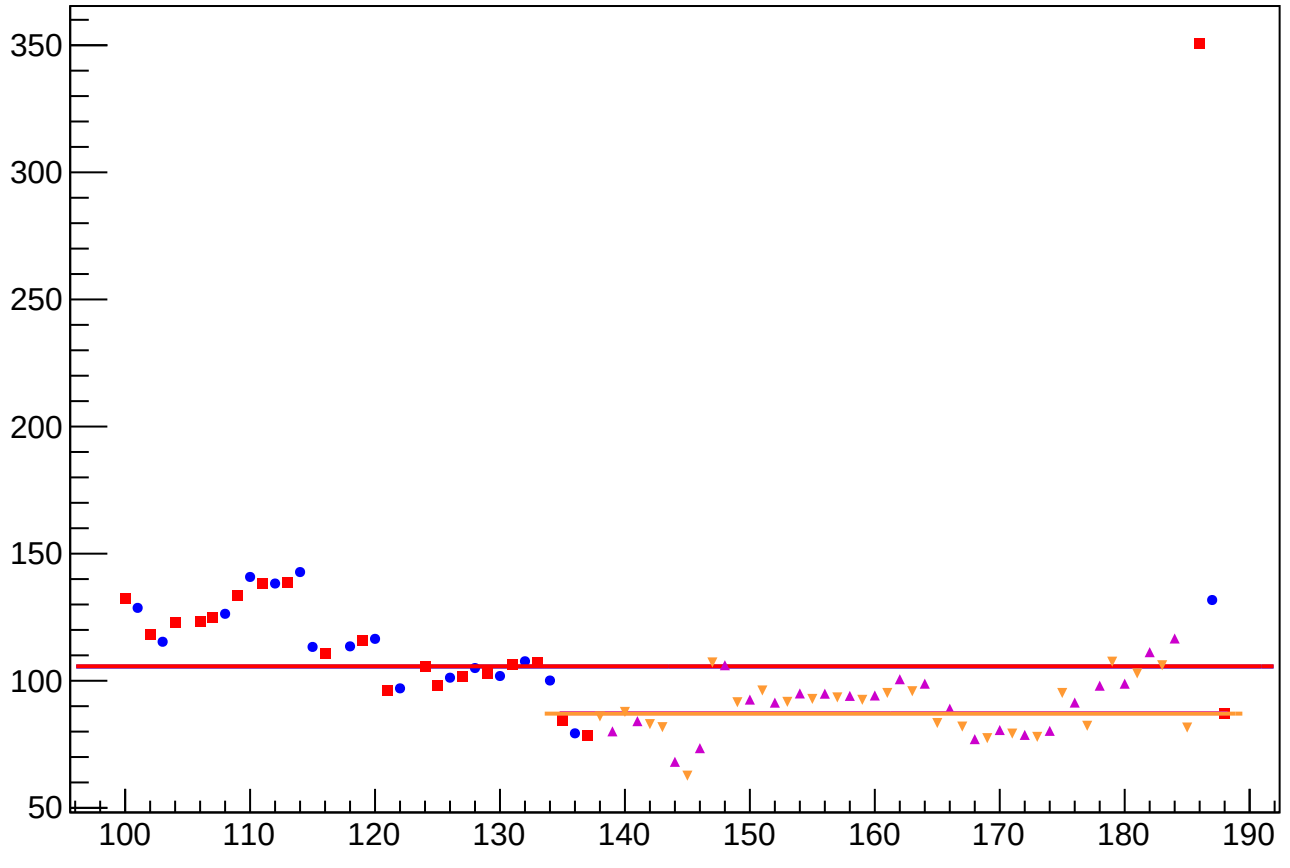
Left: -24.971+/-14.345 χ^2/NDF: 72.1/47

Right: 79.559+/-26.774 χ^2/NDF: 30.6/37

In: 30.784+/-18.254 χ^2/NDF:44.8/39

Out: -31.586+/-17.532 χ^2/NDF:63.7/45

All: -1.659+/-12.644 χ^2/NDF: 114.5/85



Right In: 105.589+/-0.028 χ^2/NDF: 423381.4/16

Left Out: 87.072+/-0.014 χ^2/NDF:620626.5/24

Right Out: 105.697+/-0.026 χ^2/NDF: 821200.2/20

Left In: 87.257+/-0.015 χ^2/NDF:595793.1/22

Left: 87.161+/-0.010 χ^2/NDF: 1216502.6/47

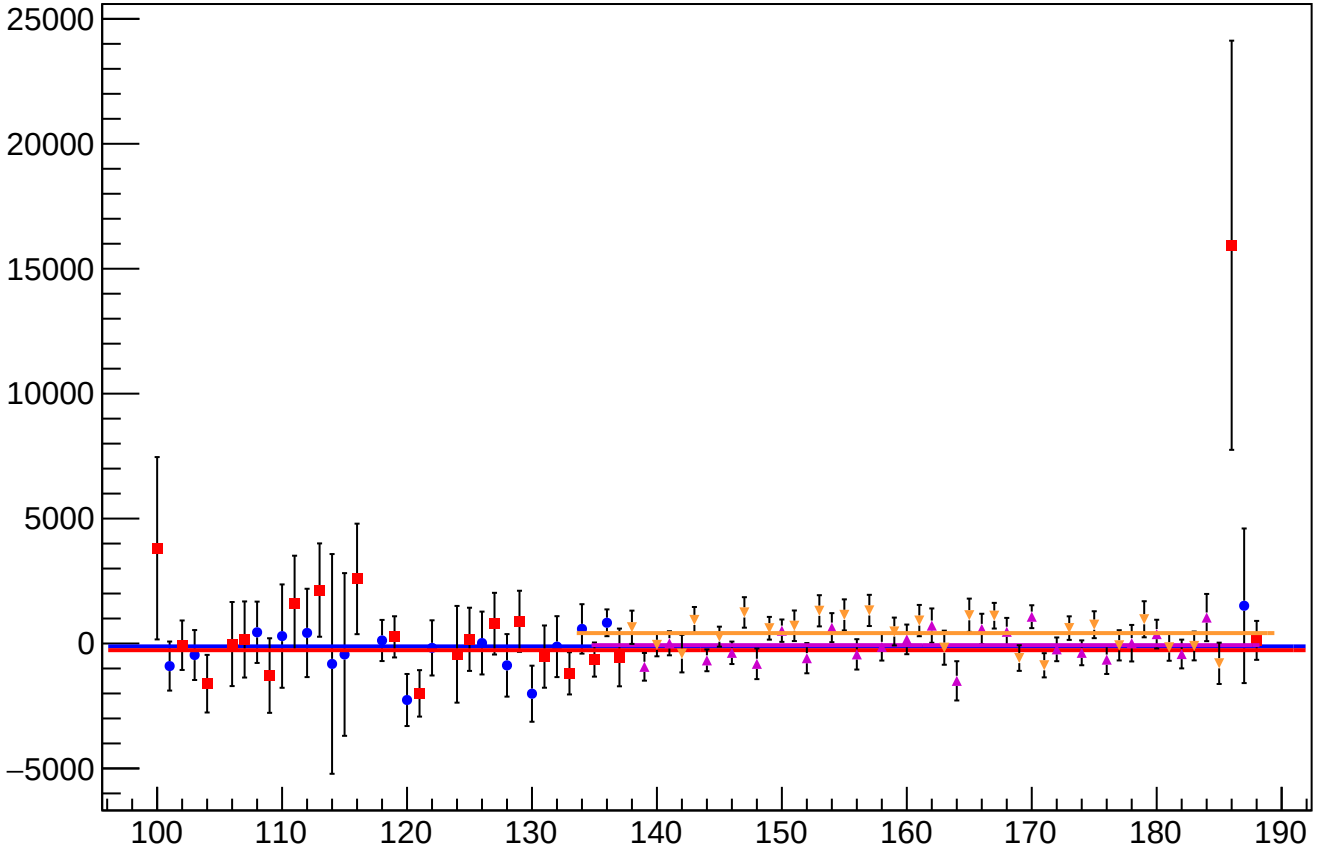
Right: 105.647+/-0.019 χ^2/NDF: 1244589.7/37

In: 91.200+/-0.013 χ^2/NDF:1359798.0/39

Out: 91.361+/-0.012 χ^2/NDF:1841975.8/45

All: 91.284+/-0.009 χ^2/NDF: 3201854.7/85

asym_sam_26_48_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -115.794+/-267.605 χ^2/NDF: 12.6/16

Left Out: 416.416+/-112.336 χ^2/NDF:32.4/24

Right Out: -267.435+/-255.692 χ^2/NDF: 18.9/20

Left In: -66.674+/-115.419 χ^2/NDF:27.5/22

Left: 181.409+/-80.501 χ^2/NDF: 68.9/47

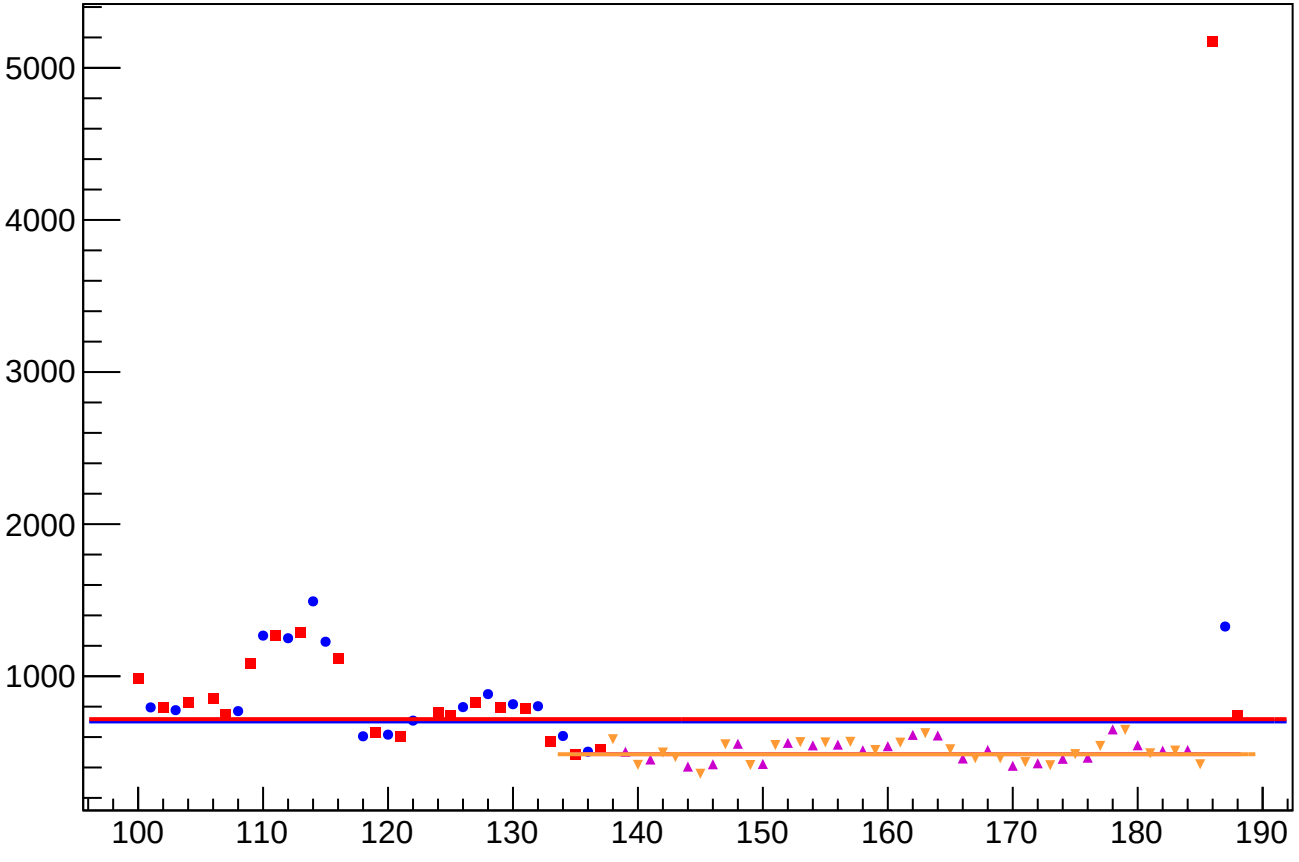
Right: -195.065+/-184.870 χ^2/NDF: 31.7/37

In: -74.378+/-105.982 χ^2/NDF:40.1/39

Out: 305.775+/-102.848 χ^2/NDF:57.4/45

All: 121.402+/-73.807 χ^2/NDF: 104.1/85

asym_sam_26_48_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 702.759+/-0.189 χ^2/NDF: 994832.5/16

Left Out: 487.081+/-0.079 χ^2/NDF:821261.6/24

Right Out: 717.802+/-0.181 χ^2/NDF: 1623245.7/20

Left In: 487.930+/-0.082 χ^2/NDF:634273.3/22

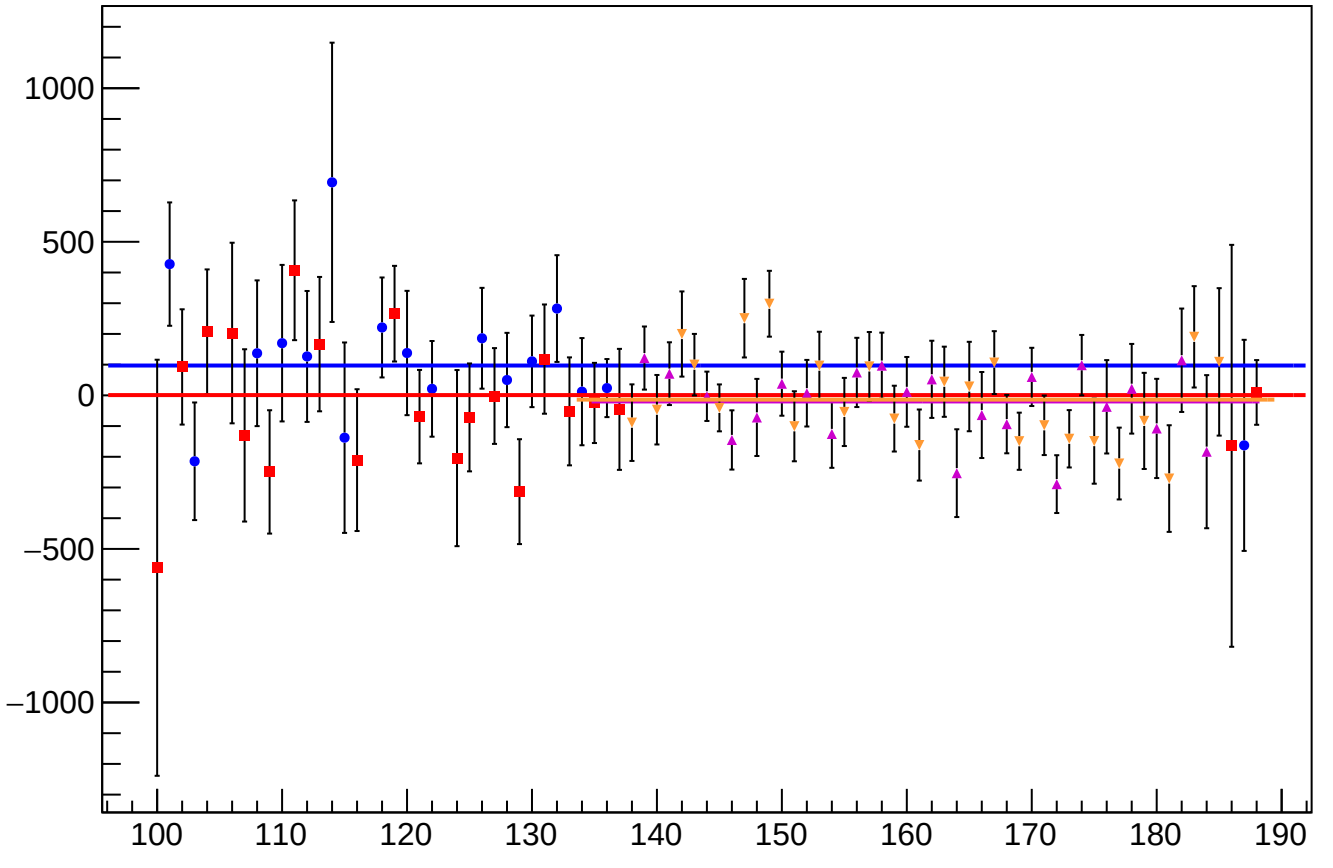
Left: 487.494+/-0.057 χ^2/NDF: 1455590.6/47

Right: 710.622+/-0.131 χ^2/NDF: 2621381.9/37

In: 521.625+/-0.075 χ^2/NDF:2715861.6/39

Out: 524.410+/-0.073 χ^2/NDF:3809470.5/45

All: 523.059+/-0.052 χ^2/NDF: 6526043.1/85



Right In: 97.114+/-43.165 χ^2/NDF: 11.6/16

Left Out: -13.904+/-22.916 χ^2/NDF:36.4/24

Right Out: 0.881+/-40.549 χ^2/NDF: 16.7/20

Left In: -19.805+/-23.571 χ^2/NDF:23.3/22

Left: -16.771+/-16.431 χ^2/NDF: 59.7/47

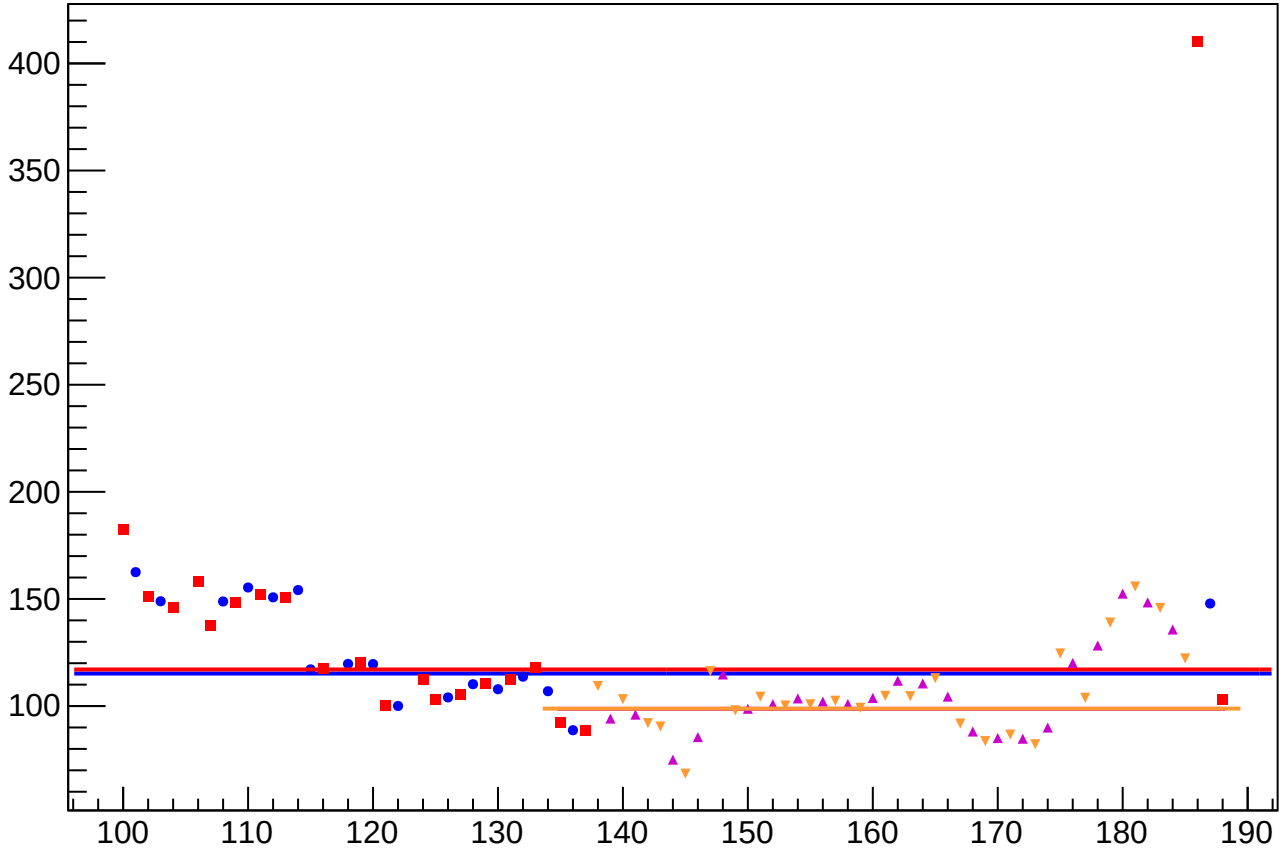
Right: 45.993+/-29.554 χ^2/NDF: 30.9/37

In: 7.051+/-20.688 χ^2/NDF:40.6/39

Out: -10.325+/-19.951 χ^2/NDF:53.2/45

All: -1.952+/-14.361 χ^2/NDF: 94.1/85

dit_asym_sam_26_48_dd_rms vs Slug, Sign Corrected



Right In: 115.179+/-0.031 χ^2/NDF: 550359.6/16

Left Out: 98.799+/-0.016 χ^2/NDF:1185806.0/24

Right Out: 117.071+/-0.029 χ^2/NDF: 922543.4/20

Left In: 98.673+/-0.017 χ^2/NDF:987817.0/22

Left: 98.738+/-0.012 χ^2/NDF: 2173652.3/47

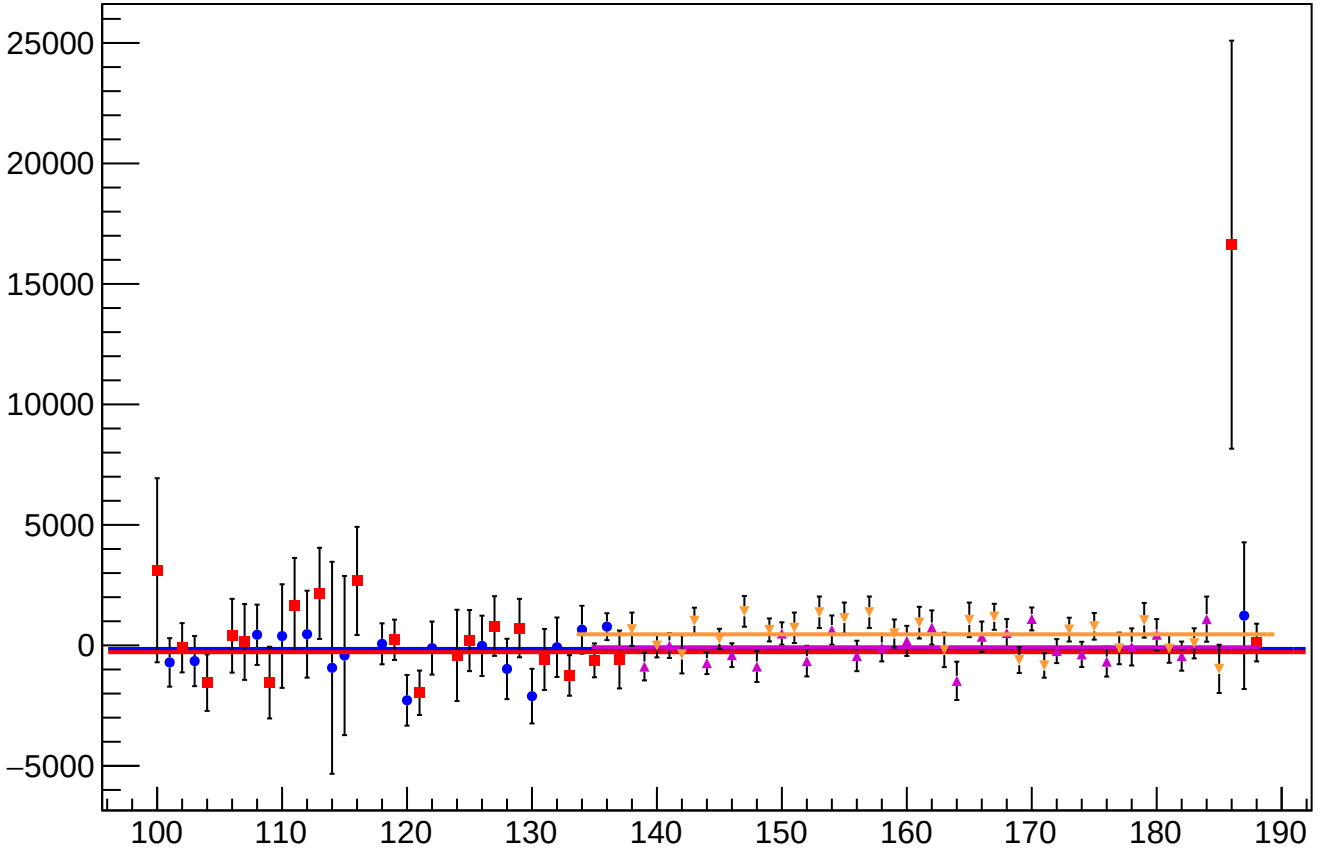
Right: 116.184+/-0.021 χ^2/NDF: 1474946.2/37

In: 102.464+/-0.015 χ^2/NDF:1763442.0/39

Out: 103.222+/-0.014 χ^2/NDF:2416176.8/45

All: 102.857+/-0.010 χ^2/NDF: 4181009.9/85

asym_sam_26_48_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: -147.878+/-273.447 χ^2/NDF: 12.2/16

Left Out: 459.094+/-118.111 χ^2/NDF:30.8/24

Right Out: -282.122+/-258.139 χ^2/NDF: 18.6/20

Left In: -78.791+/-121.436 χ^2/NDF:26.2/22

Left: 197.616+/-84.668 χ^2/NDF: 67.1/47

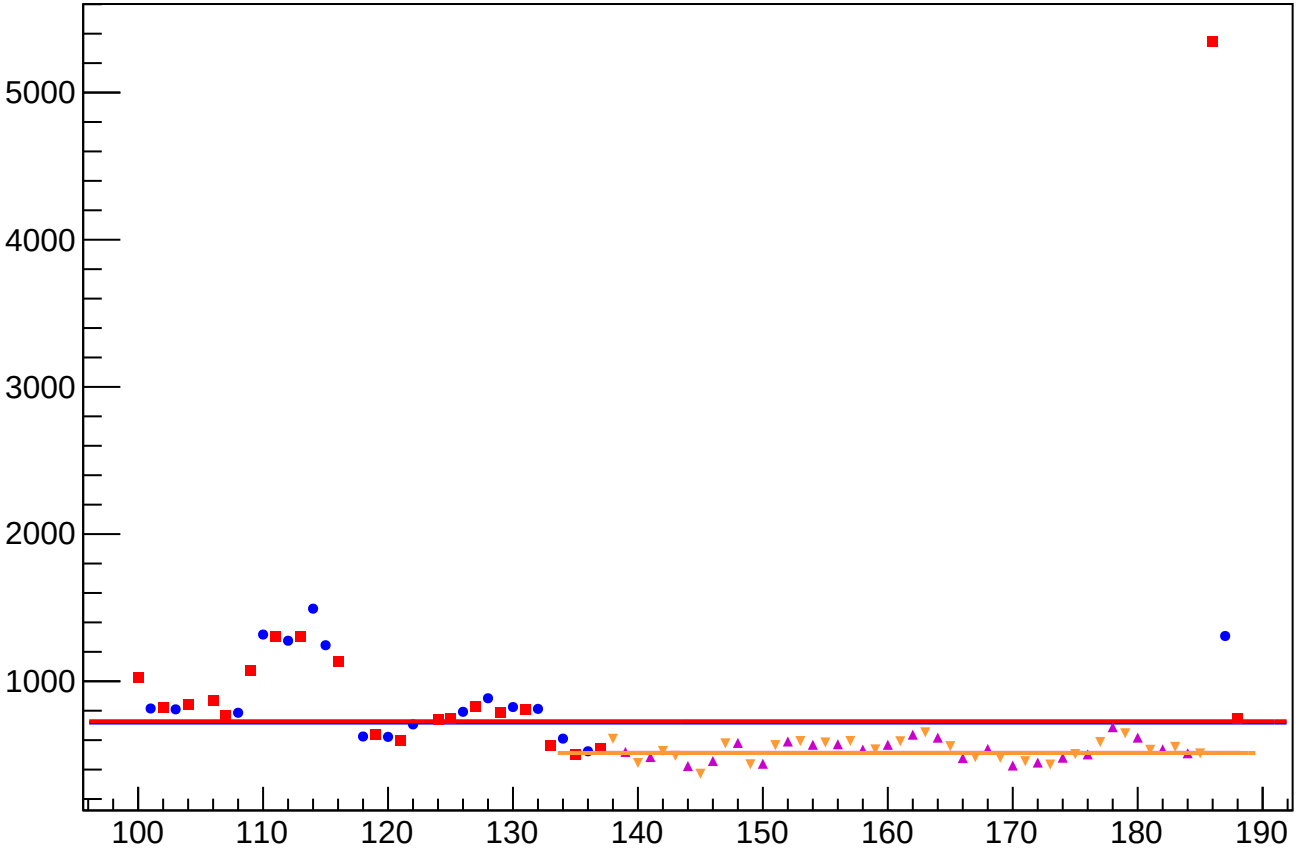
Right: -218.862+/-187.710 χ^2/NDF: 30.9/37

In: -90.172+/-110.984 χ^2/NDF:38.5/39

Out: 330.782+/-107.403 χ^2/NDF:56.2/45

All: 127.207+/-77.180 χ^2/NDF: 102.1/85

asym_sam_26_48_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 719.453+/-0.193 χ^2/NDF: 951515.9/16

Left Out: 512.768+/-0.084 χ^2/NDF:799239.4/24

Right Out: 728.317+/-0.183 χ^2/NDF: 1616480.3/20

Left In: 513.375+/-0.086 χ^2/NDF:634000.2/22

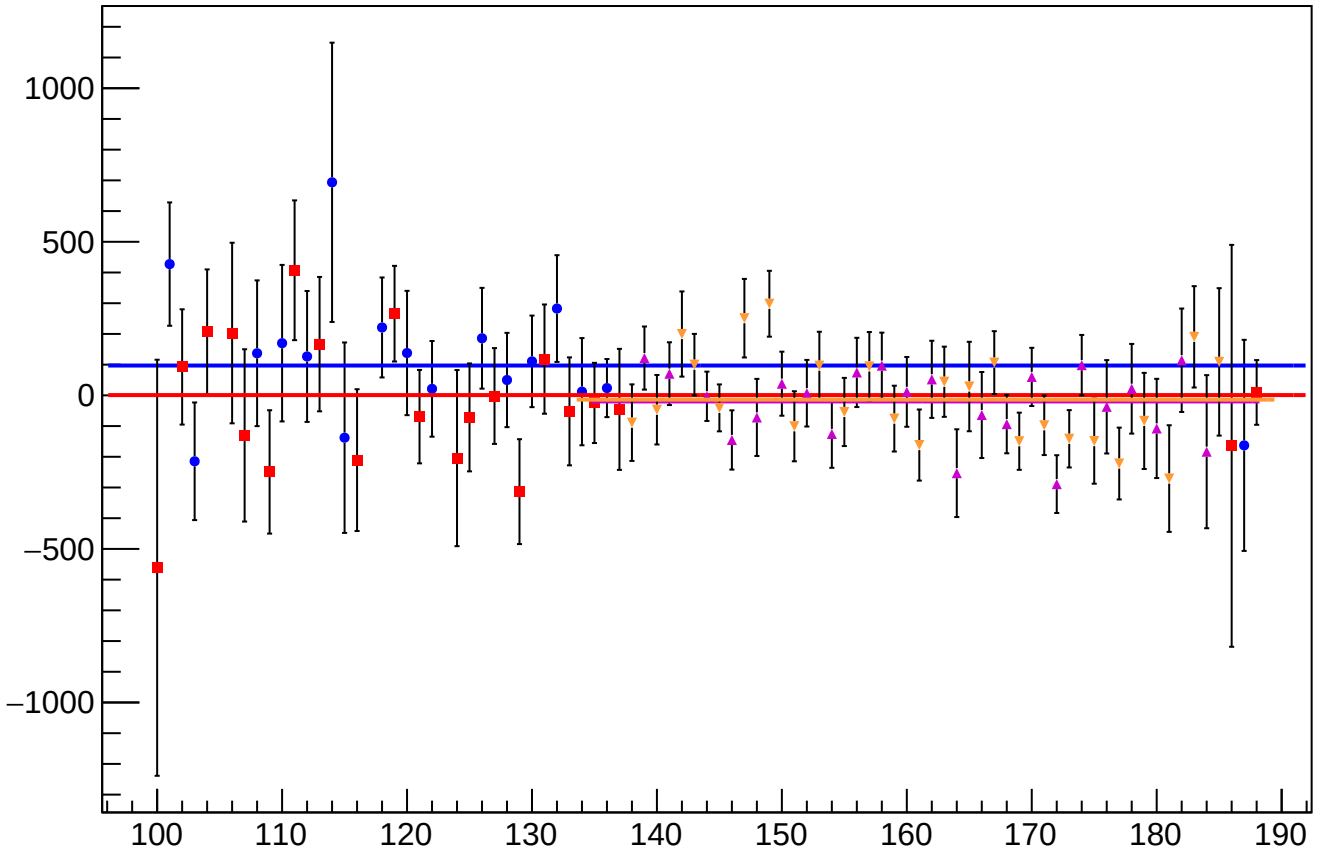
Left: 513.063+/-0.060 χ^2/NDF: 1433265.3/47

Right: 724.140+/-0.133 χ^2/NDF: 2569107.5/37

In: 547.322+/-0.078 χ^2/NDF:2534310.3/39

Out: 550.082+/-0.076 χ^2/NDF:3568798.2/45

All: 548.747+/-0.055 χ^2/NDF: 6103747.2/85



Right In: 97.112+/-43.165 χ^2/NDF: 11.6/16

Left Out: -13.906+/-22.916 χ^2/NDF:36.4/24

Right Out: 0.880+/-40.549 χ^2/NDF: 16.7/20

Left In: -19.805+/-23.571 χ^2/NDF:23.3/22

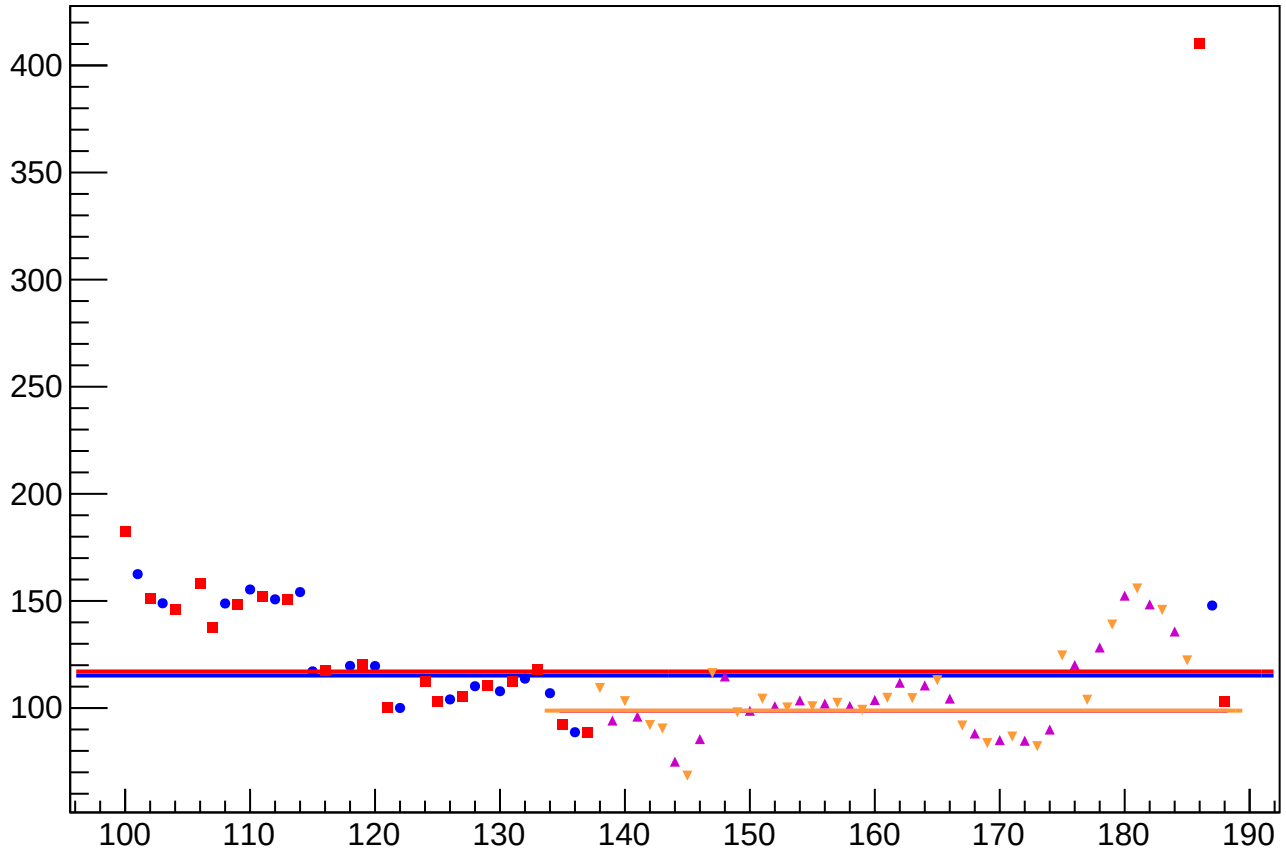
Left: -16.773+/-16.431 χ^2/NDF: 59.7/47

Right: 45.991+/-29.554 χ^2/NDF: 30.9/37

In: 7.050+/-20.688 χ^2/NDF:40.6/39

Out: -10.327+/-19.951 χ^2/NDF:53.2/45

All: -1.953+/-14.361 χ^2/NDF: 94.1/85



Right In: 115.179+/-0.031 χ^2/NDF: 550345.3/16

Left Out: 98.799+/-0.016 χ^2/NDF:1185809.9/24

Right Out: 117.071+/-0.029 χ^2/NDF: 922531.7/20

Left In: 98.673+/-0.017 χ^2/NDF:987808.4/22

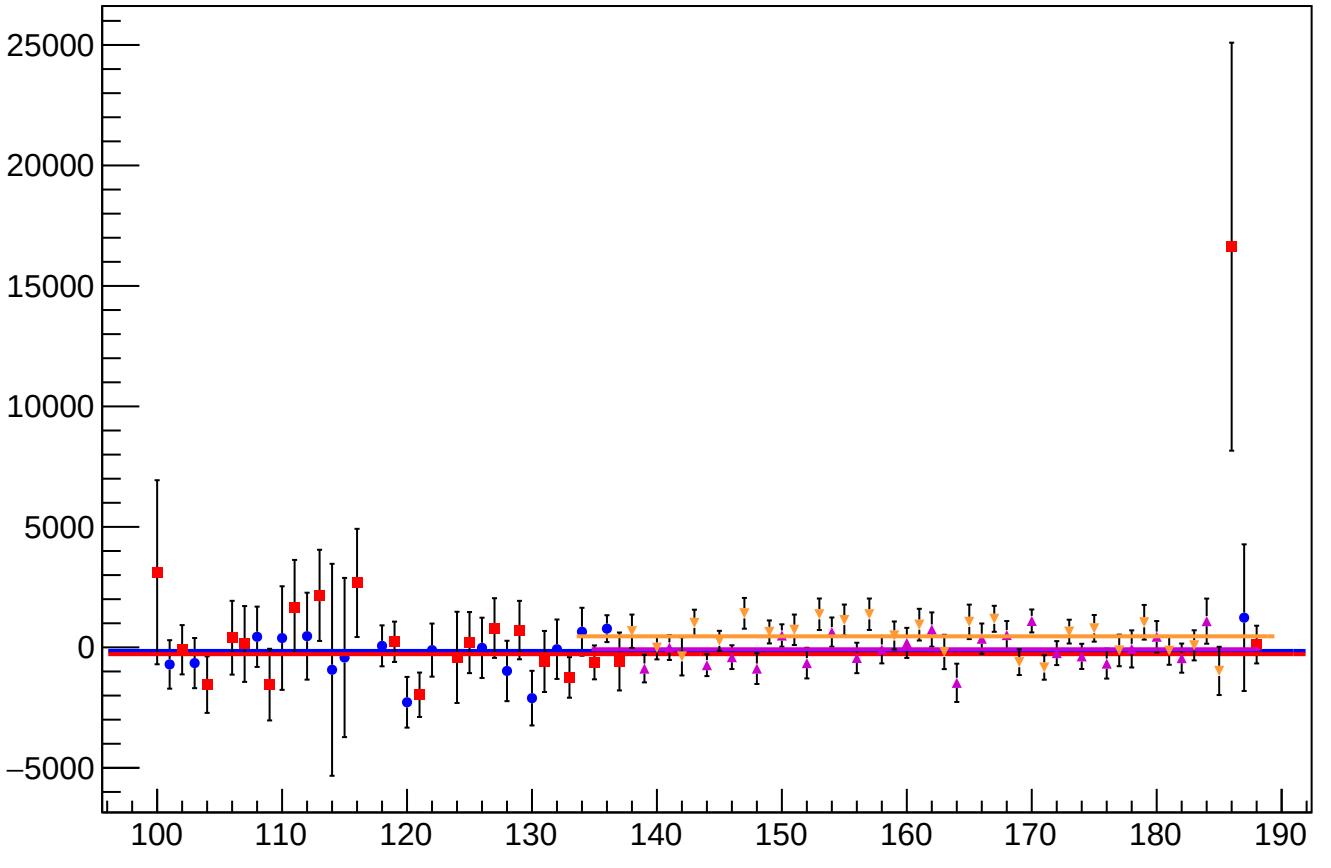
Left: 98.737+/-0.012 χ^2/NDF: 2173647.6/47

Right: 116.184+/-0.021 χ^2/NDF: 1474919.8/37

In: 102.464+/-0.015 χ^2/NDF:1763423.3/39

Out: 103.222+/-0.014 χ^2/NDF:2416170.7/45

All: 102.857+/-0.010 χ^2/NDF: 4180984.8/85



Right In: -147.880+/-273.447 χ^2/NDF: 12.2/16

Left Out: 459.092+/-118.111 χ^2/NDF:30.8/24

Right Out: -282.122+/-258.139 χ^2/NDF: 18.6/20

Left In: -78.791+/-121.436 χ^2/NDF:26.2/22

Left: 197.616+/-84.668 χ^2/NDF: 67.1/47

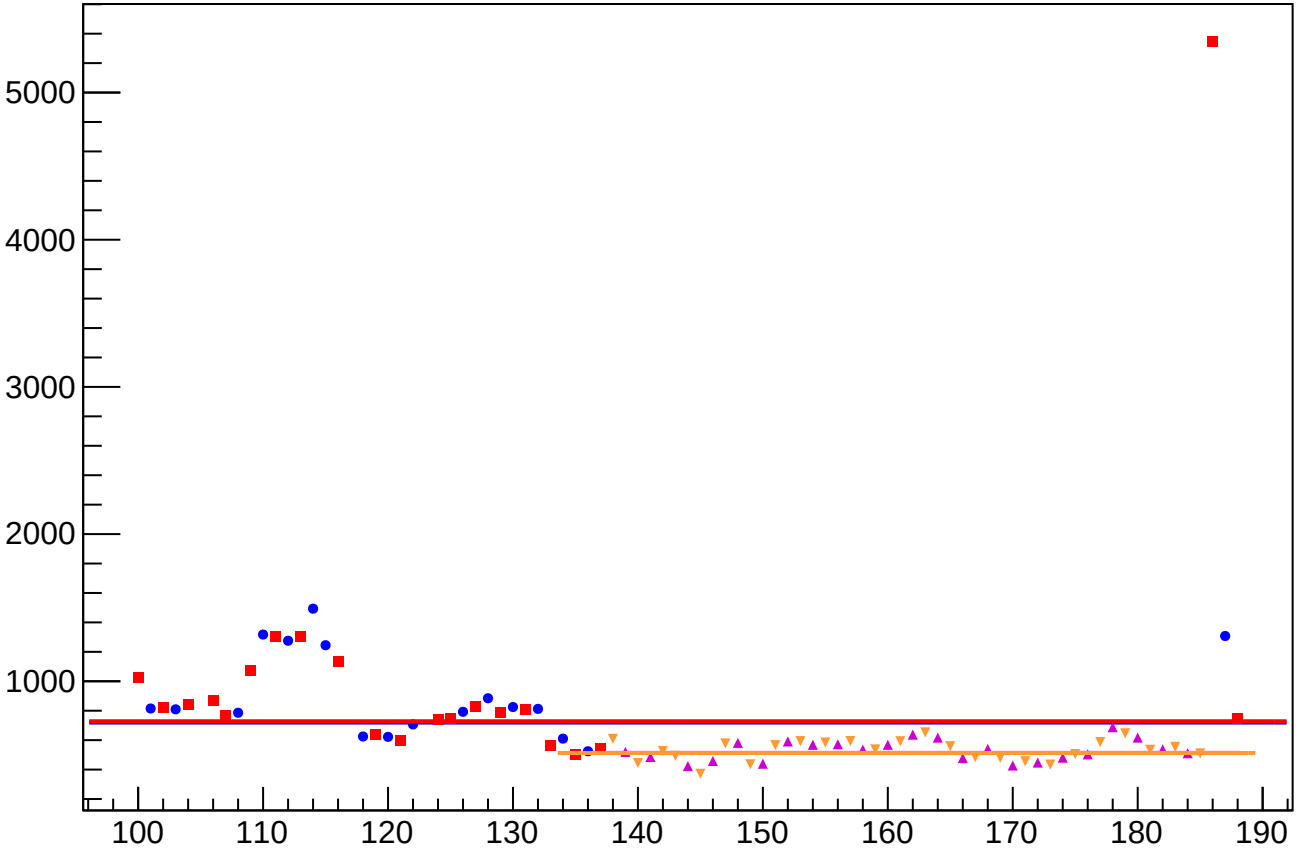
Right: -218.863+/-187.710 χ^2/NDF: 30.9/37

In: -90.172+/-110.984 χ^2/NDF:38.5/39

Out: 330.780+/-107.403 χ^2/NDF:56.2/45

All: 127.206+/-77.180 χ^2/NDF: 102.1/85

asym_sam_26_48_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 719.453+/-0.193 χ^2/NDF: 951509.7/16

Left Out: 512.768+/-0.084 χ^2/NDF:799239.0/24

Right Out: 728.316+/-0.183 χ^2/NDF: 1616473.0/20

Left In: 513.374+/-0.086 χ^2/NDF:633997.9/22

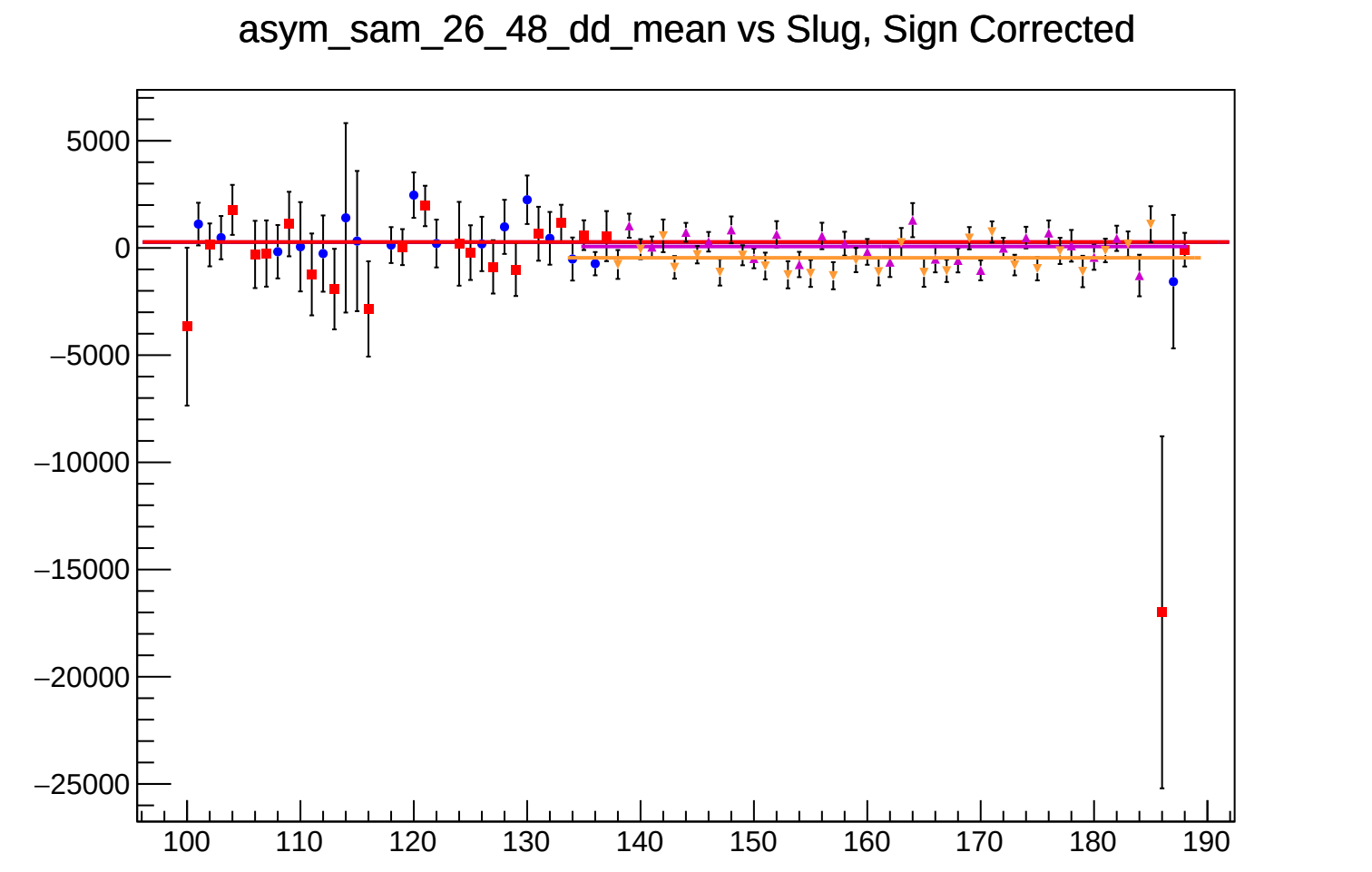
Left: 513.063+/-0.060 χ^2/NDF: 1433262.5/47

Right: 724.139+/-0.133 χ^2/NDF: 2569093.7/37

In: 547.322+/-0.078 χ^2/NDF:2534303.9/39

Out: 550.082+/-0.076 χ^2/NDF:3568787.3/45

All: 548.747+/-0.055 χ^2/NDF: 6103729.8/85



Right In: 270.696+/-270.911 χ^2/NDF: 13.1/16

Left Out: -459.862+/-114.233 χ^2/NDF:30.8/24

Right Out: 277.375+/-258.221 χ^2/NDF: 18.8/20

Left In: 68.043+/-117.366 χ^2/NDF:28.6/22

Left: -203.051+/-81.860 χ^2/NDF: 69.8/47

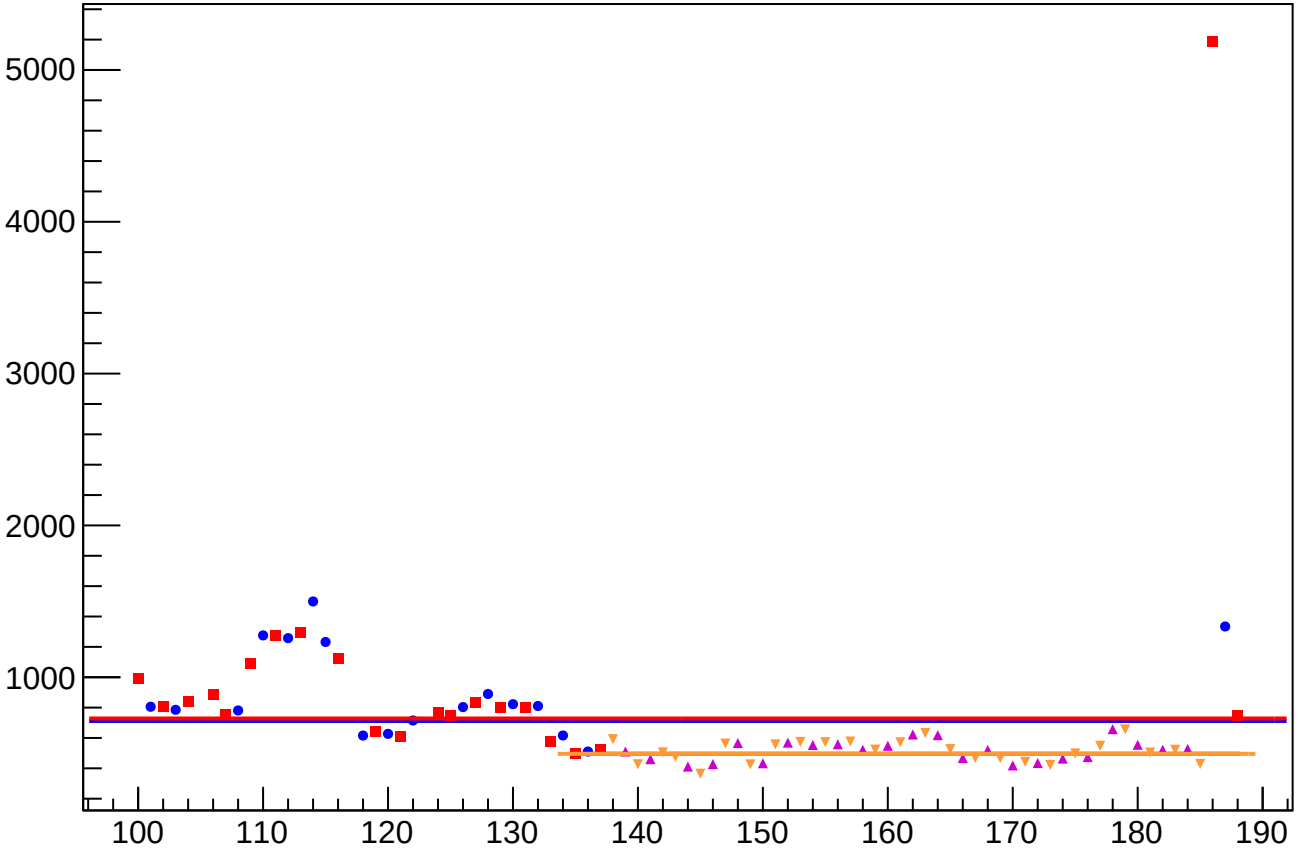
Right: 274.196+/-186.915 χ^2/NDF: 31.9/37

In: 100.067+/-107.694 χ^2/NDF:42.2/39

Out: -339.197+/-104.467 χ^2/NDF:56.4/45

All: -126.245+/-74.984 χ^2/NDF: 107.2/85

asym_sam_26_48_dd_rms vs Slug, Sign Corrected



Right In: 711.965+/-0.192 χ^2/NDF: 977327.9/16

Left Out: 495.514+/-0.081 χ^2/NDF:804659.4/24

Right Out: 728.345+/-0.183 χ^2/NDF: 1608147.1/20

Left In: 496.307+/-0.083 χ^2/NDF:622356.2/22

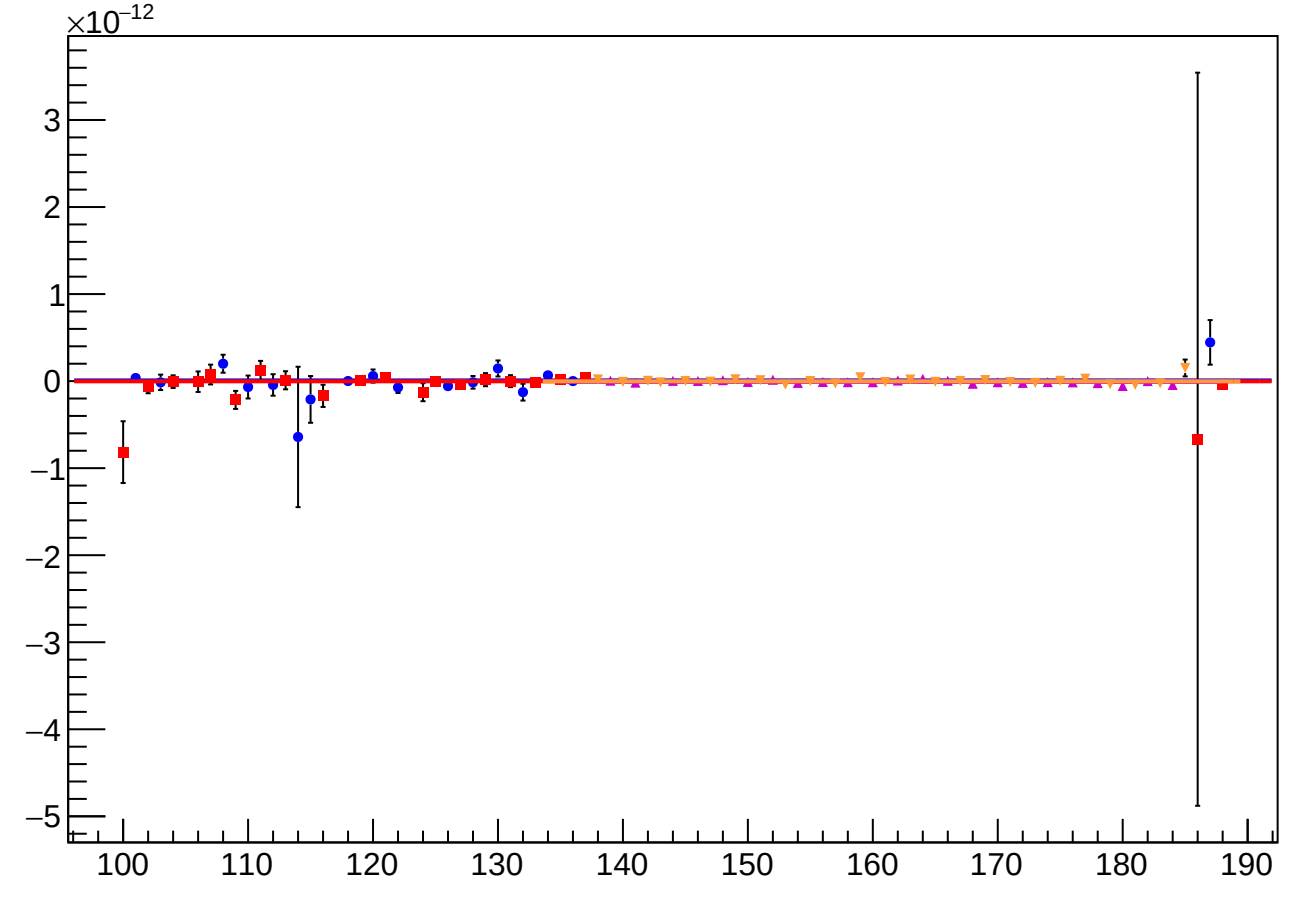
Left: 495.900+/-0.058 χ^2/NDF: 1427062.5/47

Right: 720.548+/-0.132 χ^2/NDF: 2589306.1/37

In: 530.387+/-0.076 χ^2/NDF:2666787.1/39

Out: 533.622+/-0.074 χ^2/NDF:3772707.7/45

All: 532.054+/-0.053 χ^2/NDF: 6440424.6/85



Right In: 0.000+/-0.000 χ^2/NDF: 20.2/16

Left Out: -0.000+/-0.000 χ^2/NDF:25.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 18.3/20

Left In: -0.000+/-0.000 χ^2/NDF:15.5/22

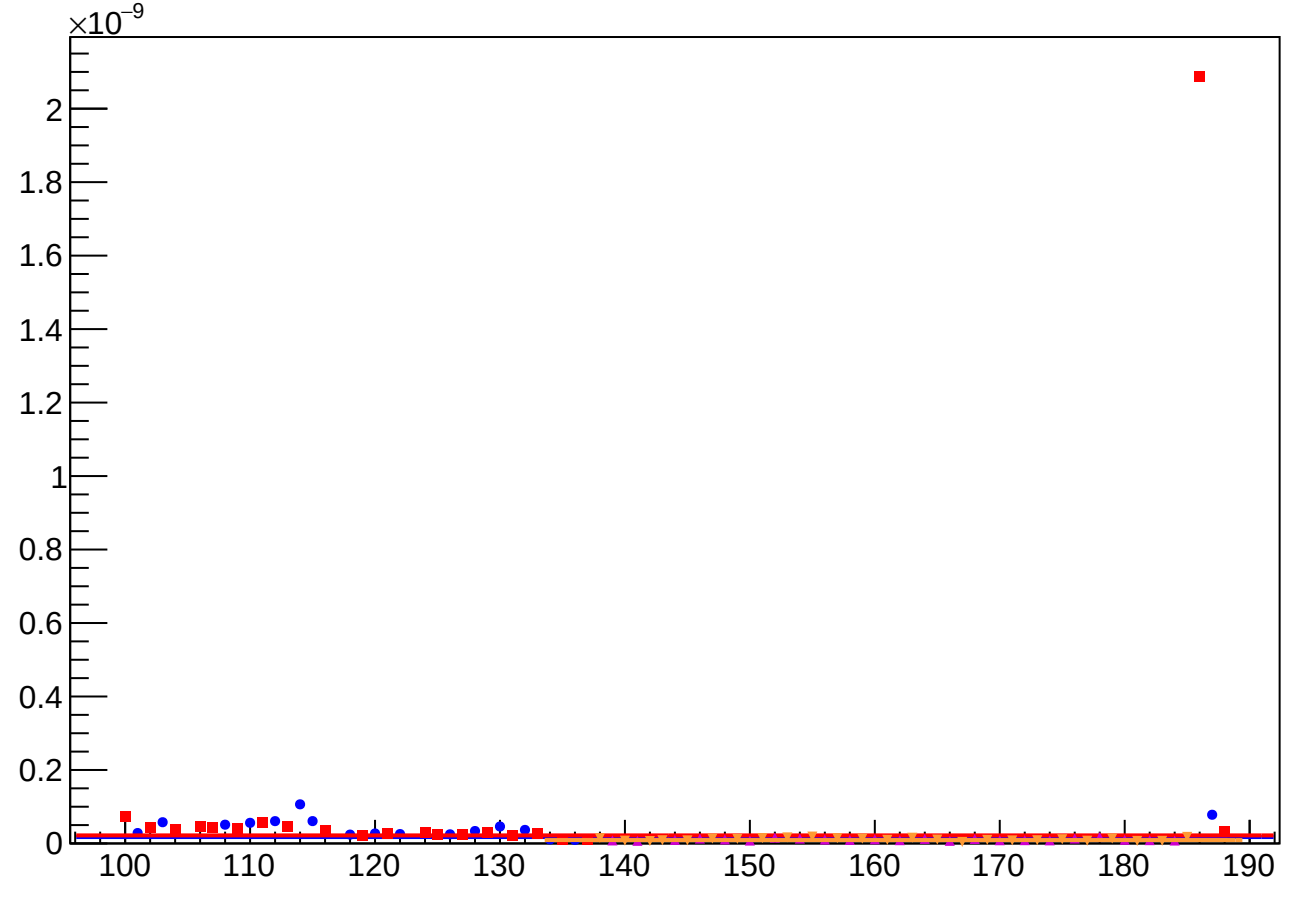
Left: -0.000+/-0.000 χ^2/NDF: 41.8/47

Right: 0.000+/-0.000 χ^2/NDF: 38.9/37

In: -0.000+/-0.000 χ^2/NDF:37.6/39

Out: -0.000+/-0.000 χ^2/NDF:43.4/45

All: -0.000+/-0.000 χ^2/NDF: 81.6/85



Right In: 0.000+/-0.000 χ^2/NDF: 2481226.6/16

Left Out: 0.000+/-0.000 χ^2/NDF:1832944.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2233221.1/20

Left In: 0.000+/-0.000 χ^2/NDF:622904.8/22

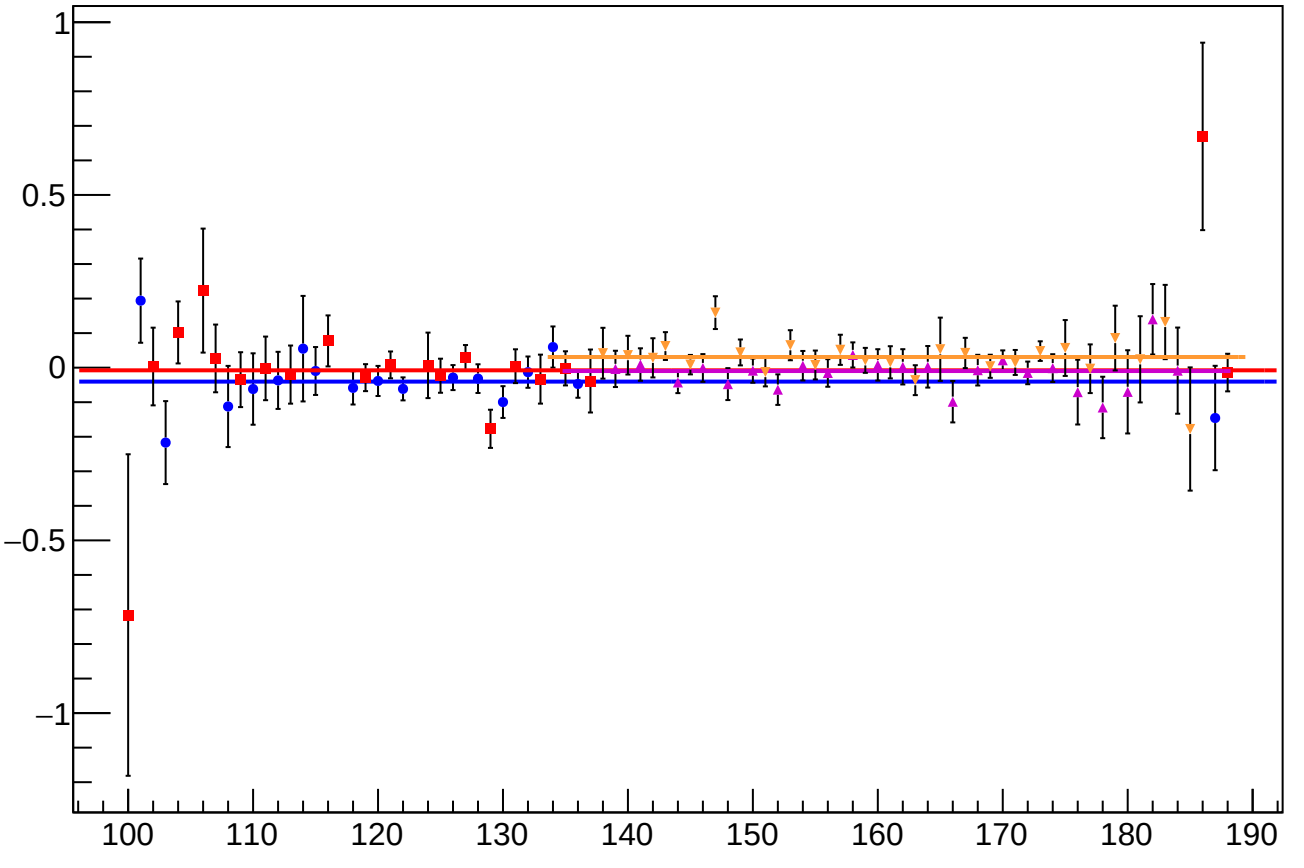
Left: 0.000+/-0.000 χ^2/NDF: 2476959.3/47

Right: 0.000+/-0.000 χ^2/NDF: 4849133.6/37

In: 0.000+/-0.000 χ^2/NDF:3909097.8/39

Out: 0.000+/-0.000 χ^2/NDF:5847305.9/45

All: 0.000+/-0.000 χ^2/NDF: 9769438.8/85



Right In: -0.040+/-0.013 χ^2/NDF: 12.9/16

Left Out: 0.031+/-0.009 χ^2/NDF:17.8/24

Right Out: -0.008+/-0.014 χ^2/NDF: 24.5/20

Left In: -0.010+/-0.009 χ^2/NDF:13.2/22

Left: 0.011+/-0.007 χ^2/NDF: 40.7/47

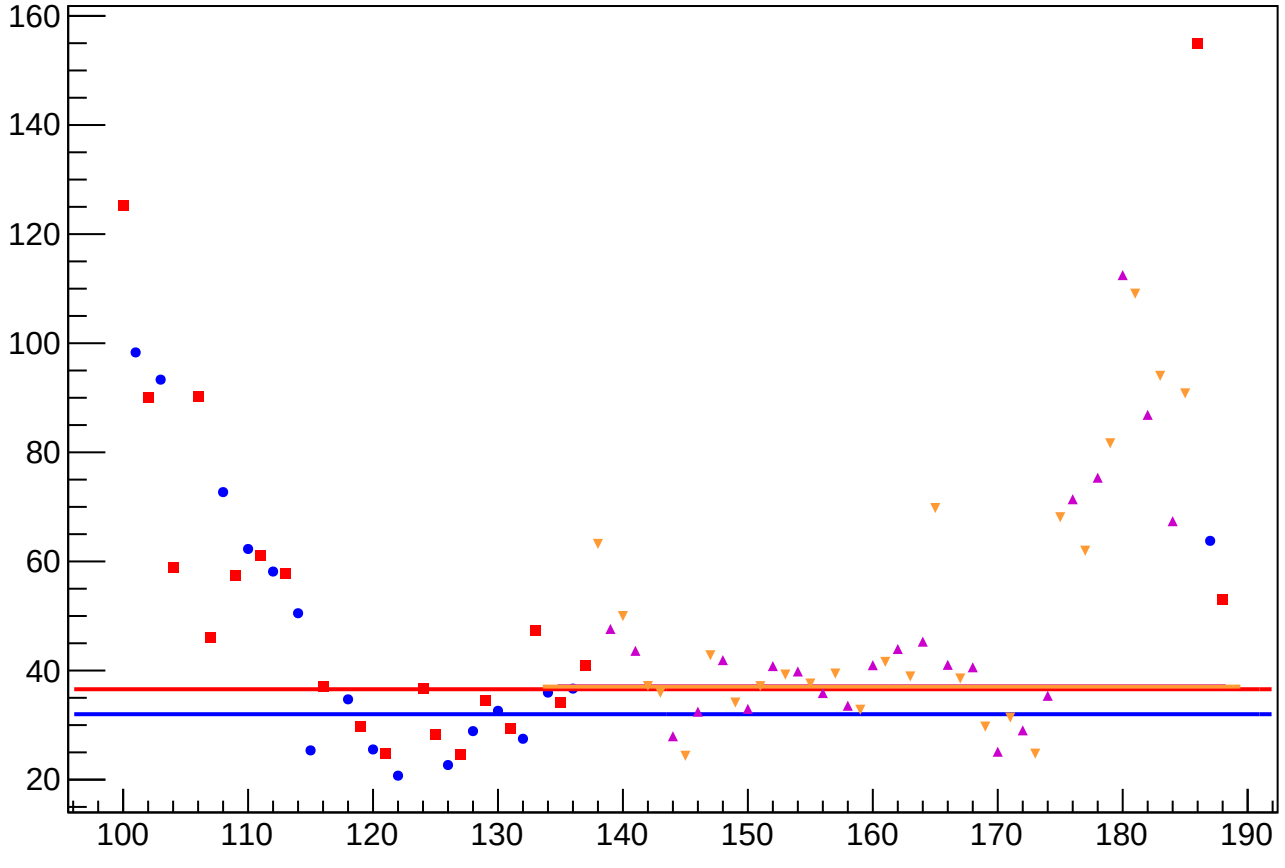
Right: -0.025+/-0.009 χ^2/NDF: 40.4/37

In: -0.020+/-0.008 χ^2/NDF:29.8/39

Out: 0.019+/-0.008 χ^2/NDF:47.9/45

All: -0.000+/-0.005 χ^2/NDF: 90.8/85

asym_sam_26_48_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 31.996+/-0.009 χ^2/NDF: 2341492.1/16

Left Out: 37.057+/-0.006 χ^2/NDF:4053719.8/24

Right Out: 36.574+/-0.010 χ^2/NDF: 2427352.3/20

Left In: 37.127+/-0.007 χ^2/NDF:3012795.5/22

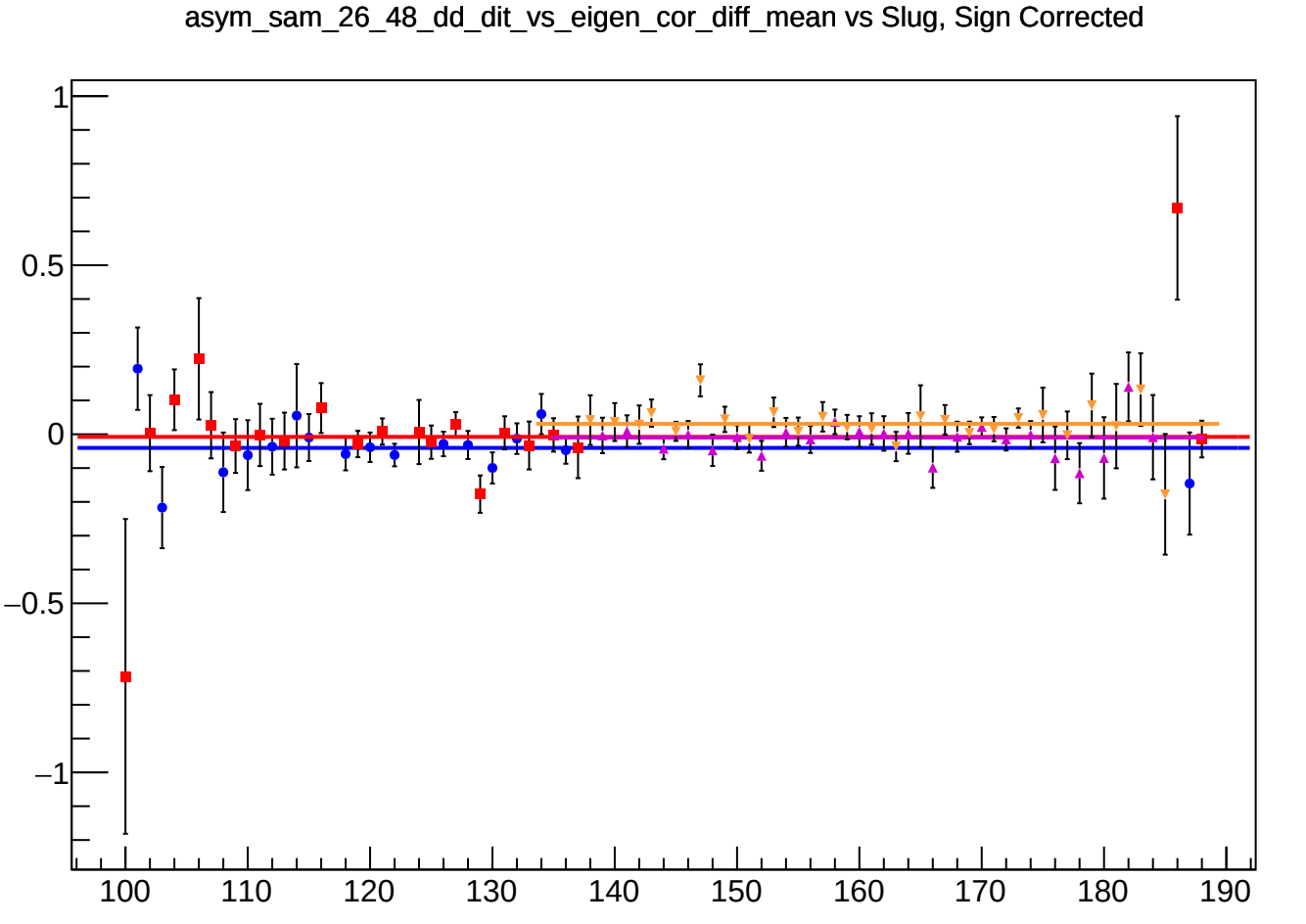
Left: 37.091+/-0.005 χ^2/NDF: 7066571.4/47

Right: 34.186+/-0.007 χ^2/NDF: 4885440.5/37

In: 35.391+/-0.005 χ^2/NDF:5556863.6/39

Out: 36.909+/-0.005 χ^2/NDF:6482798.0/45

All: 36.153+/-0.004 χ^2/NDF: 12079425.1/85



Right In: -0.040+/-0.013 χ^2/NDF: 12.9/16

Left Out: 0.031+/-0.009 χ^2/NDF:17.8/24

Right Out: -0.008+/-0.014 χ^2/NDF: 24.5/20

Left In: -0.010+/-0.009 χ^2/NDF:13.2/22

Left: 0.011+/-0.007 χ^2/NDF: 40.7/47

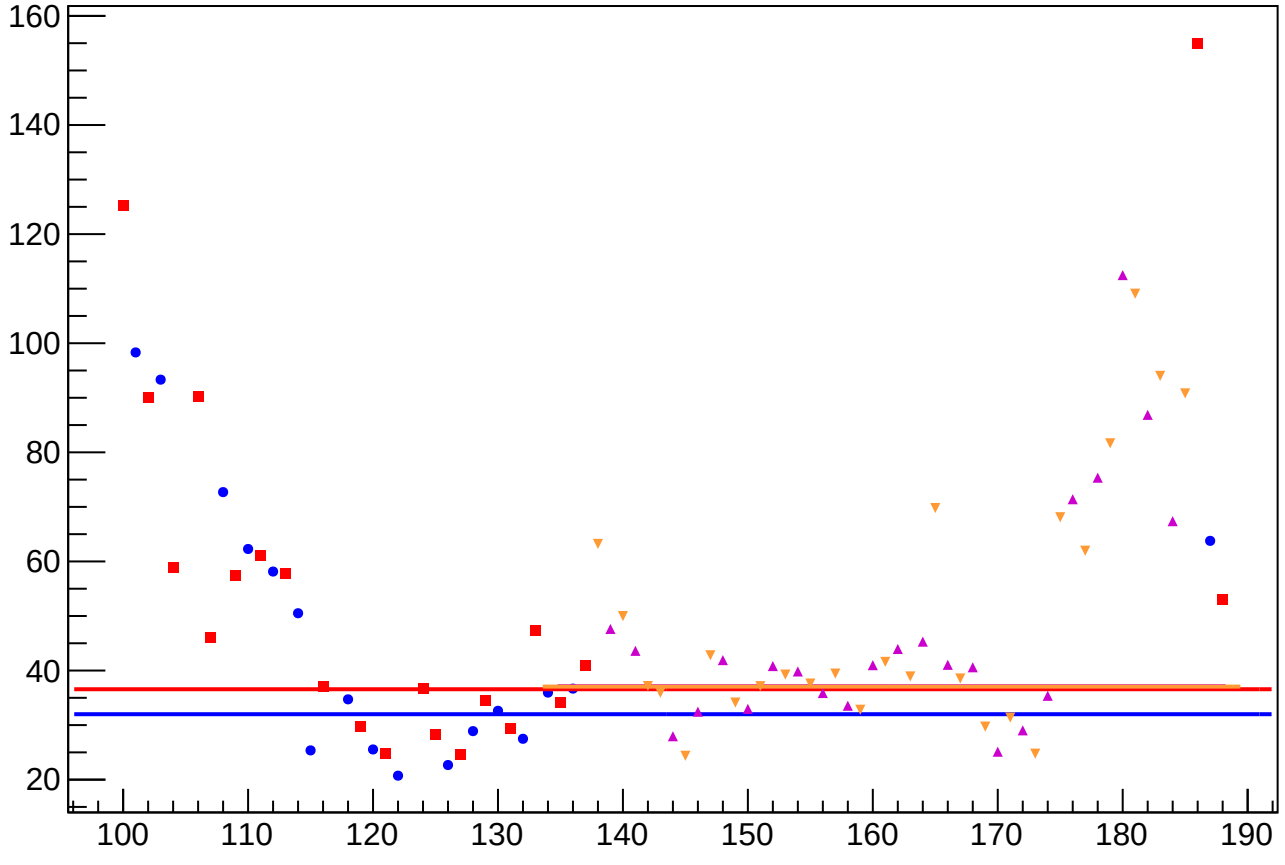
Right: -0.025+/-0.009 χ^2/NDF: 40.4/37

In: -0.020+/-0.008 χ^2/NDF:29.8/39

Out: 0.019+/-0.008 χ^2/NDF:47.9/45

All: -0.000+/-0.005 χ^2/NDF: 90.8/85

asym_sam_26_48_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 31.996+/-0.009 χ^2/NDF: 2341492.1/16

Left Out: 37.057+/-0.006 χ^2/NDF:4053719.8/24

Right Out: 36.574+/-0.010 χ^2/NDF: 2427352.3/20

Left In: 37.127+/-0.007 χ^2/NDF:3012795.5/22

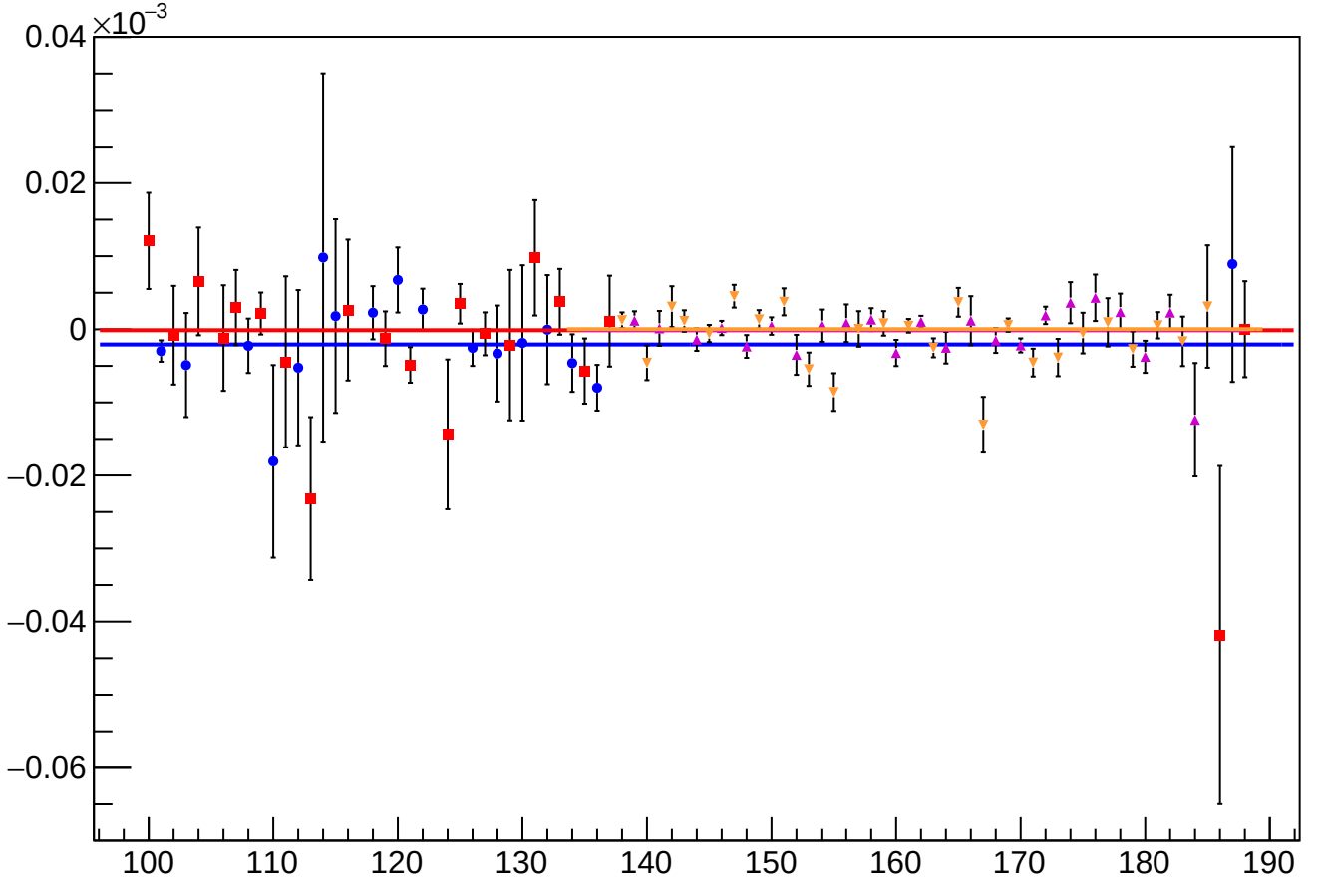
Left: 37.091+/-0.005 χ^2/NDF: 7066571.4/47

Right: 34.186+/-0.007 χ^2/NDF: 4885440.5/37

In: 35.391+/-0.005 χ^2/NDF:5556863.6/39

Out: 36.909+/-0.005 χ^2/NDF:6482798.0/45

All: 36.153+/-0.004 χ^2/NDF: 12079425.1/85



Right In: -0.000+/-0.000 χ^2/NDF: 15.2/16

Left Out: 0.000+/-0.000 χ^2/NDF:67.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 24.7/20

Left In: -0.000+/-0.000 χ^2/NDF:32.2/22

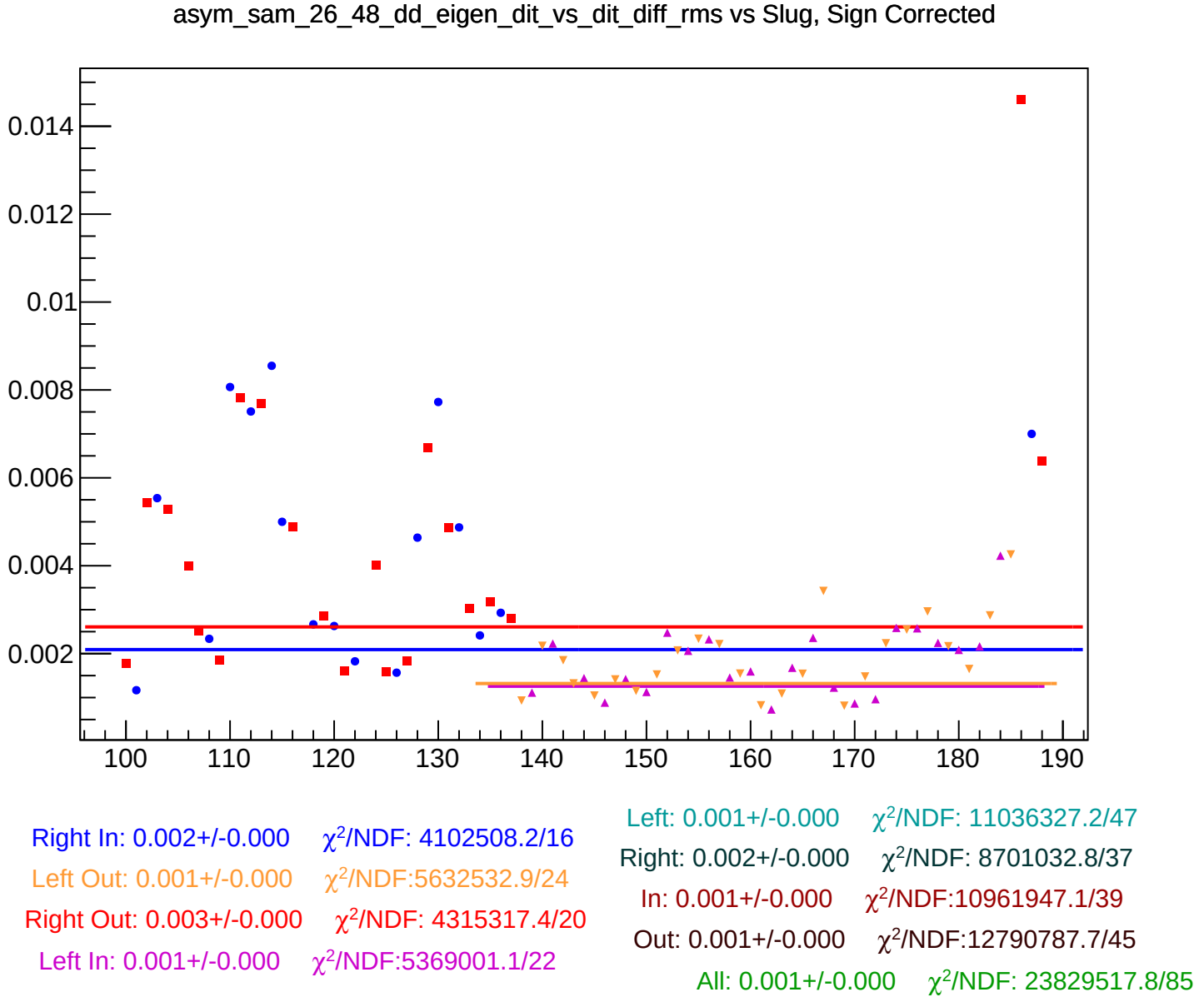
Left: -0.000+/-0.000 χ^2/NDF: 99.9/47

Right: -0.000+/-0.000 χ^2/NDF: 41.9/37

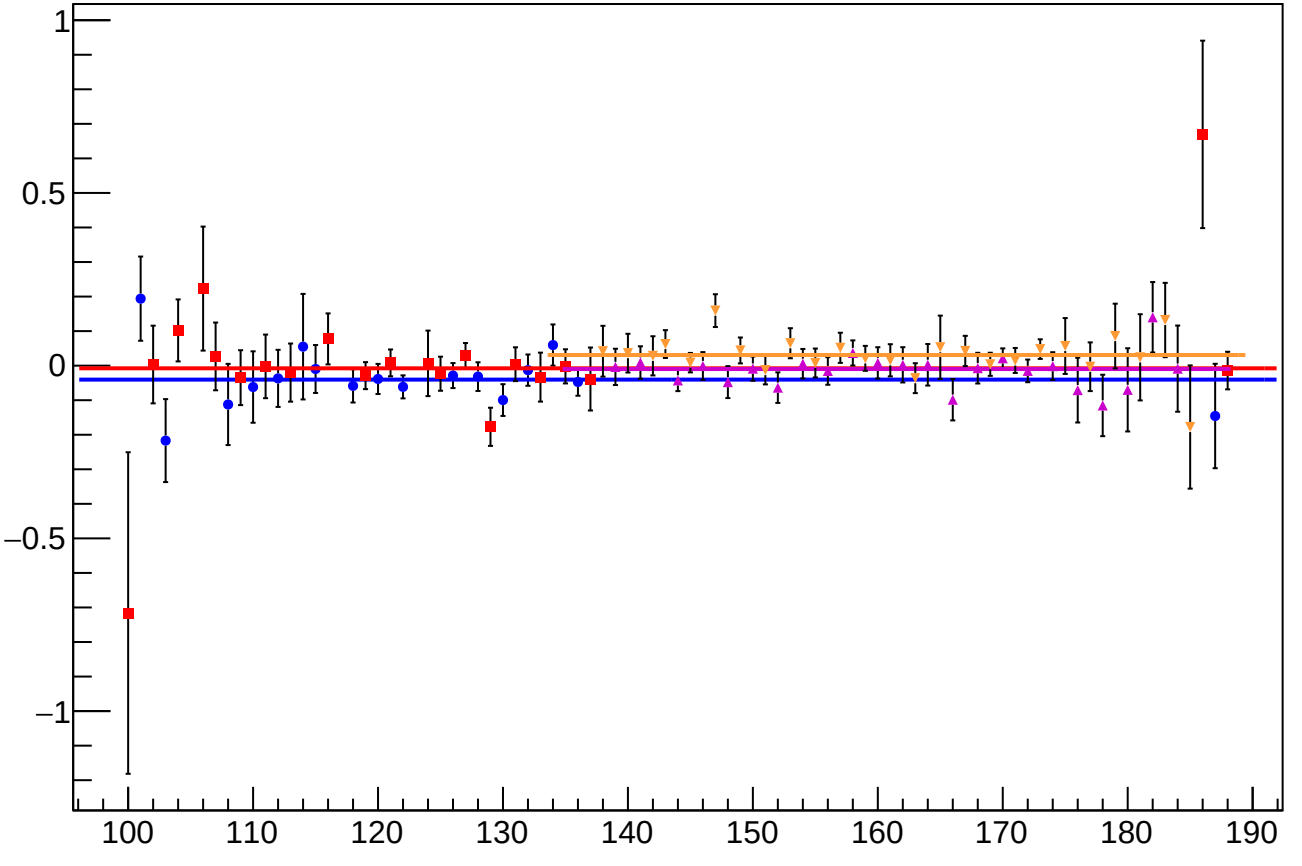
In: -0.000+/-0.000 χ^2/NDF:51.6/39

Out: 0.000+/-0.000 χ^2/NDF:92.3/45

All: -0.000+/-0.000 χ^2/NDF: 144.4/85


asym_sam_26_48_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
110
120
130
140
150
160
170
180
190
Right In: 0.002+/-0.000 χ²/NDF: 4102508.2/16
Left Out: 0.001+/-0.000 χ²/NDF:5632532.9/24
Right Out: 0.003+/-0.000 χ²/NDF: 4315317.4/20
Left In: 0.001+/-0.000 χ²/NDF:5369001.1/22
Left: 0.001+/-0.000 χ²/NDF: 11036327.2/47
Right: 0.002+/-0.000 χ²/NDF: 8701032.8/37
In: 0.001+/-0.000 χ²/NDF:10961947.1/39
Out: 0.001+/-0.000 χ²/NDF:12790787.7/45
All: 0.001+/-0.000 χ²/NDF: 23829517.8/85

asym_sam_26_48_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.040+/-0.013 χ^2/NDF: 12.9/16

Left Out: 0.031+/-0.009 χ^2/NDF:17.8/24

Right Out: -0.008+/-0.014 χ^2/NDF: 24.5/20

Left In: -0.010+/-0.009 χ^2/NDF:13.2/22

Left: 0.011+/-0.007 χ^2/NDF: 40.7/47

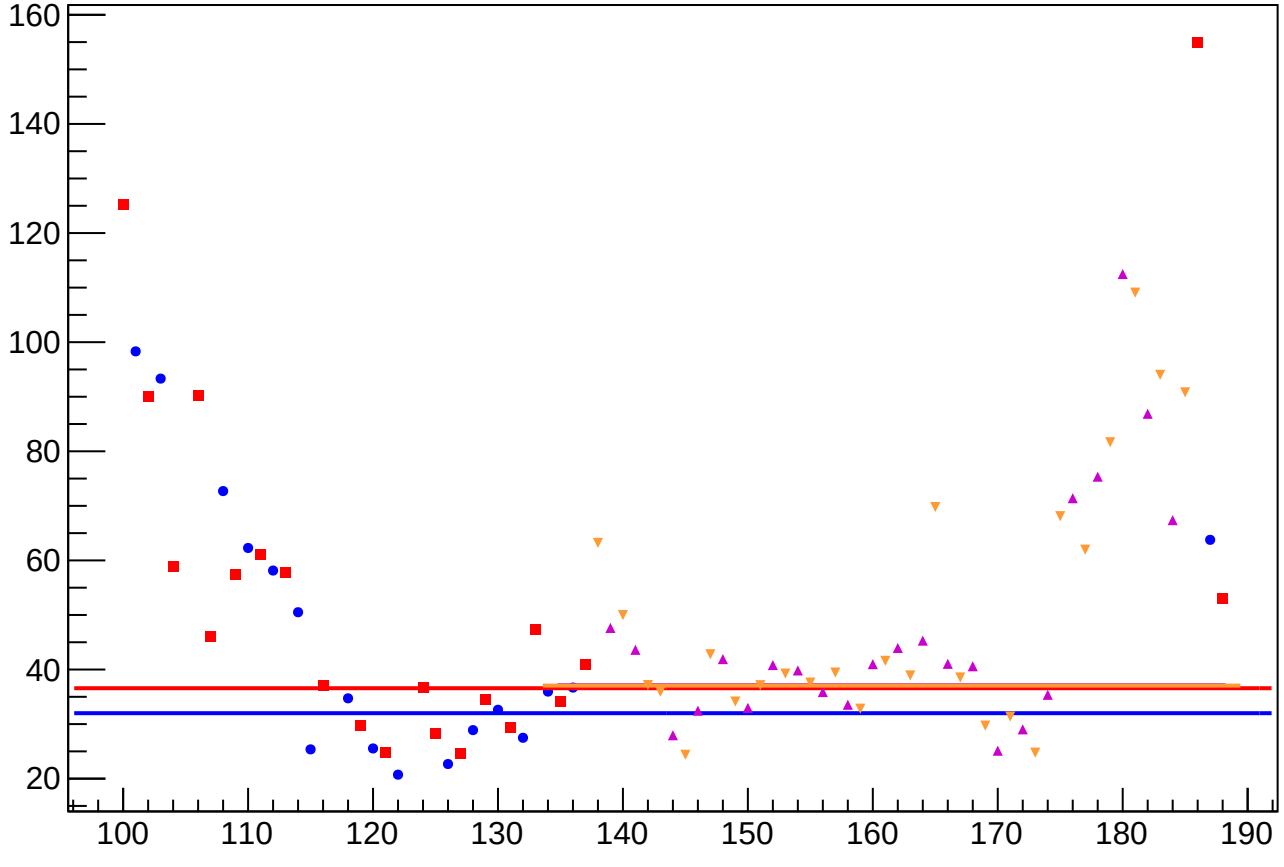
Right: -0.025+/-0.009 χ^2/NDF: 40.4/37

In: -0.020+/-0.008 χ^2/NDF:29.8/39

Out: 0.019+/-0.008 χ^2/NDF:47.8/45

All: -0.000+/-0.005 χ^2/NDF: 90.8/85

asym_sam_26_48_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 31.997+/-0.009 χ^2/NDF: 2341458.5/16

Left Out: 37.057+/-0.006 χ^2/NDF:4053728.9/24

Right Out: 36.574+/-0.010 χ^2/NDF: 2427194.9/20

Left In: 37.127+/-0.007 χ^2/NDF:3012767.1/22

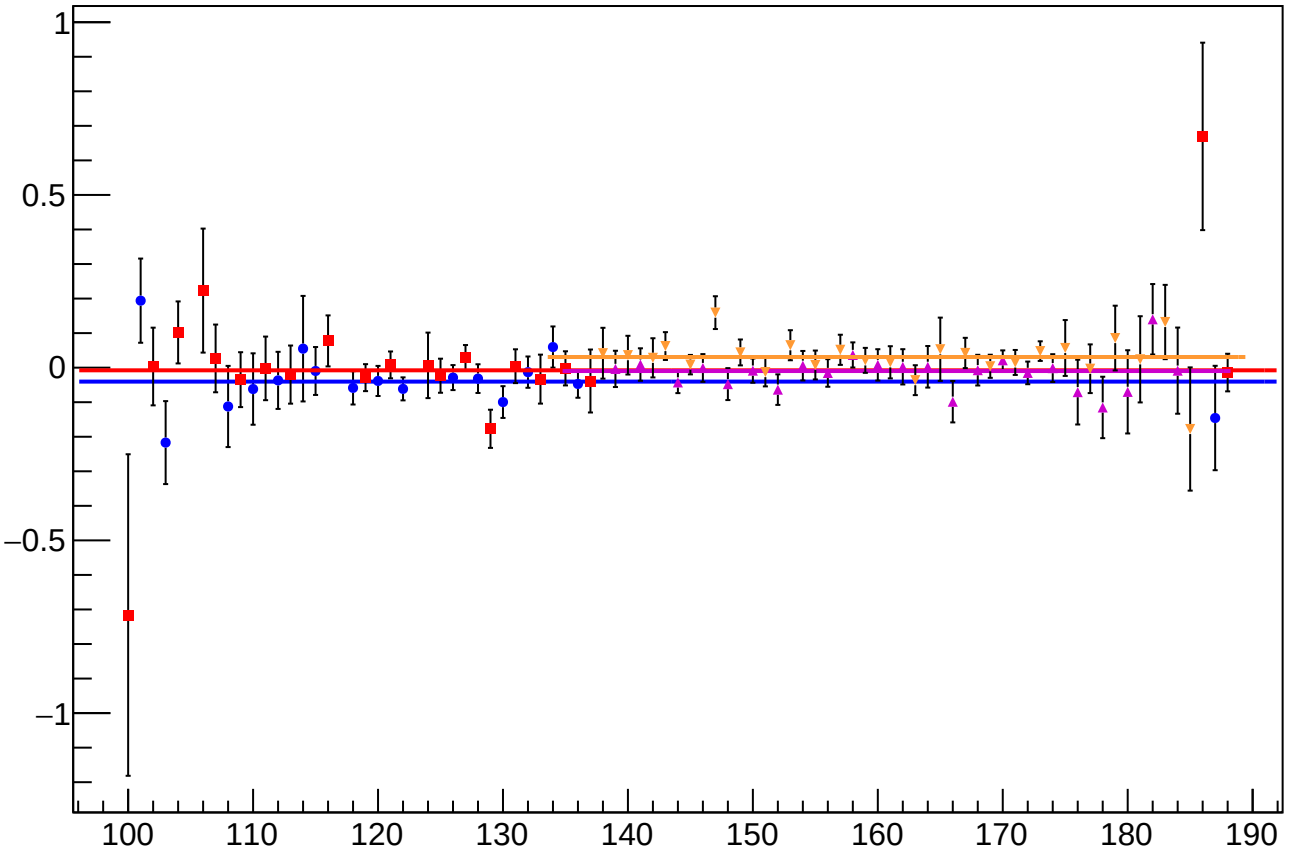
Left: 37.091+/-0.005 χ^2/NDF: 7066552.1/47

Right: 34.187+/-0.007 χ^2/NDF: 4885252.9/37

In: 35.391+/-0.005 χ^2/NDF:5556767.5/39

Out: 36.909+/-0.005 χ^2/NDF:6482646.1/45

All: 36.153+/-0.004 χ^2/NDF: 12079177.7/85



Right In: -0.040+/-0.013 χ^2/NDF: 12.9/16

Left Out: 0.031+/-0.009 χ^2/NDF:17.8/24

Right Out: -0.008+/-0.014 χ^2/NDF: 24.5/20

Left In: -0.010+/-0.009 χ^2/NDF:13.2/22

Left: 0.011+/-0.007 χ^2/NDF: 40.7/47

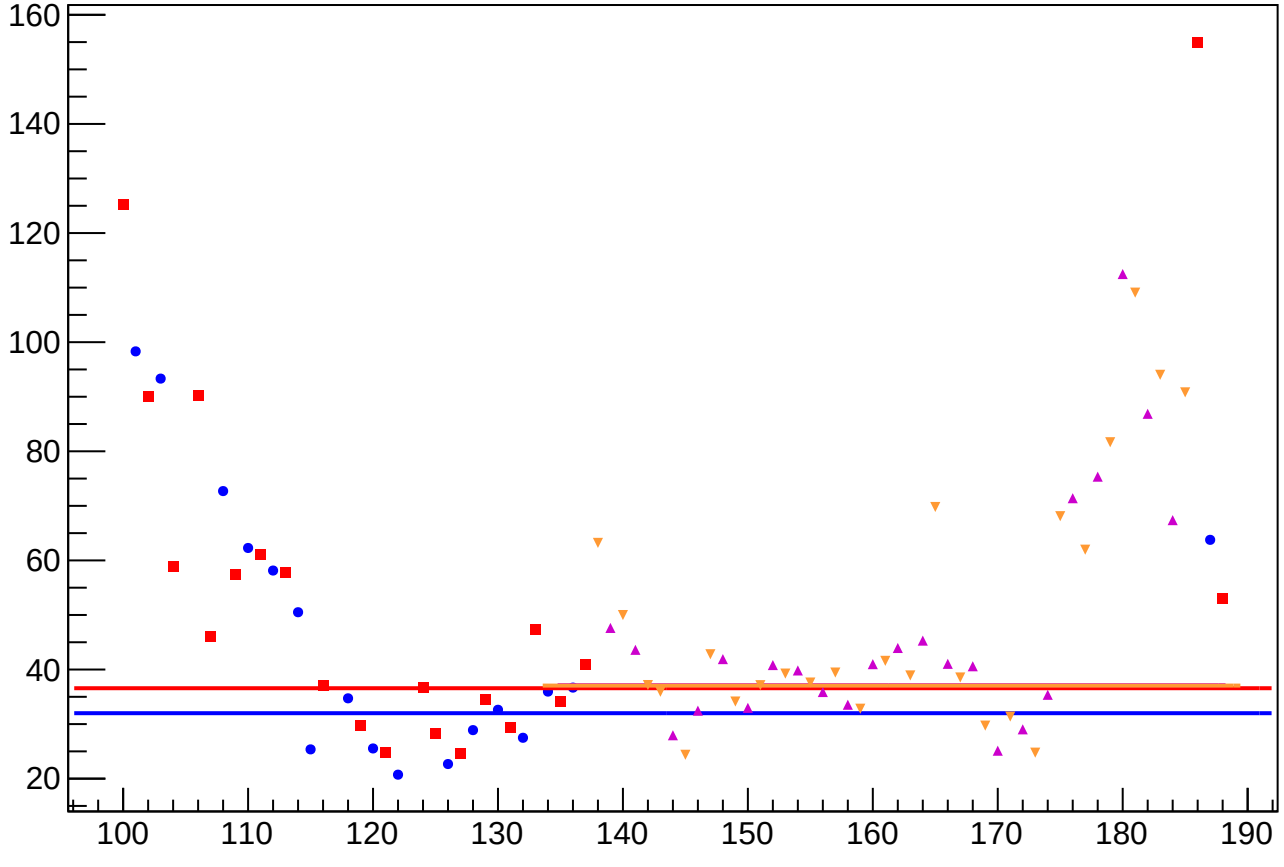
Right: -0.025+/-0.009 χ^2/NDF: 40.4/37

In: -0.020+/-0.008 χ^2/NDF:29.8/39

Out: 0.019+/-0.008 χ^2/NDF:47.8/45

All: -0.000+/-0.005 χ^2/NDF: 90.8/85

asym_sam_26_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 31.997+/-0.009 χ^2/NDF: 2341458.5/16

Left Out: 37.057+/-0.006 χ^2/NDF:4053728.9/24

Right Out: 36.574+/-0.010 χ^2/NDF: 2427194.9/20

Left In: 37.127+/-0.007 χ^2/NDF:3012767.1/22

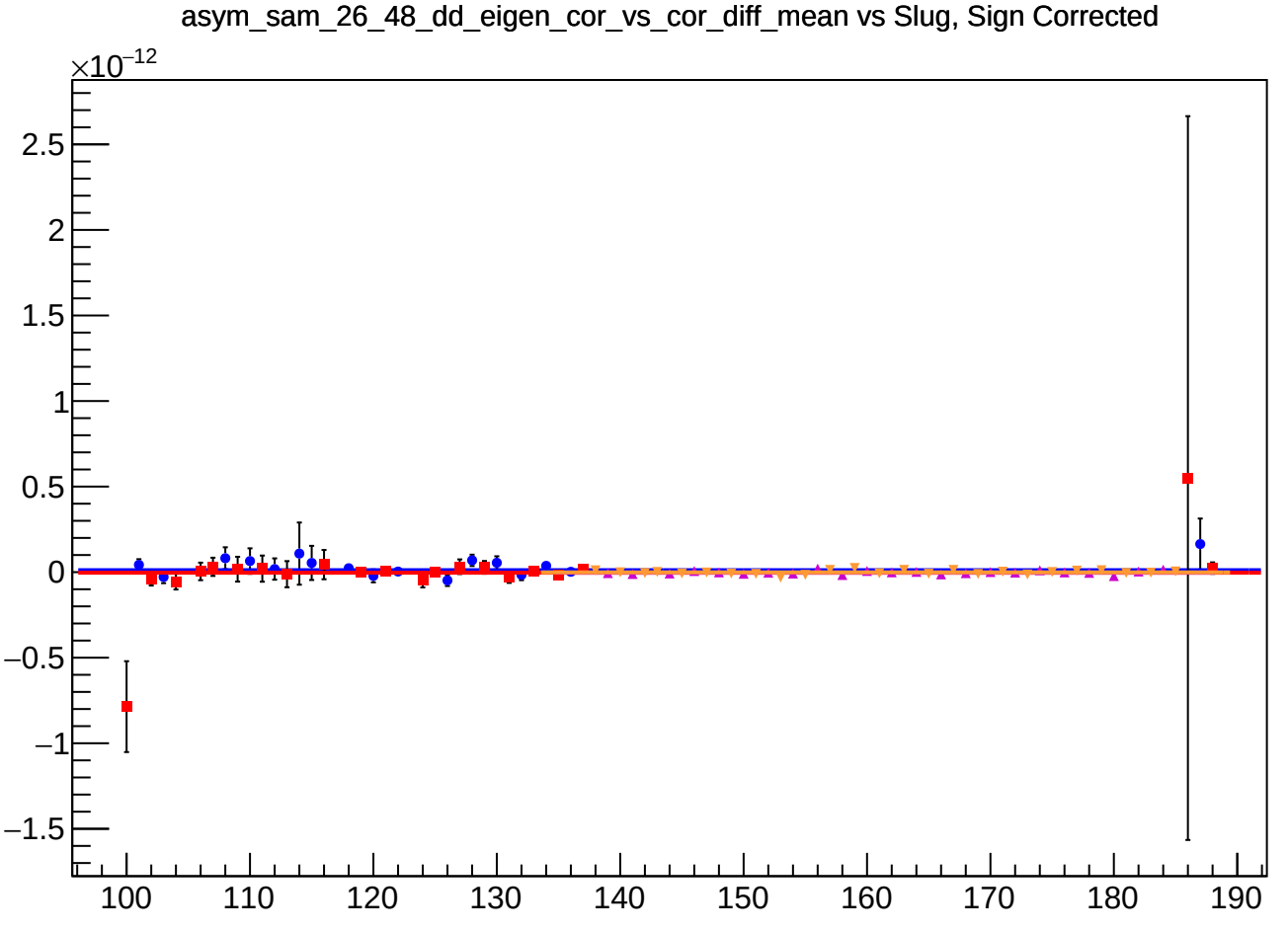
Left: 37.091+/-0.005 χ^2/NDF: 7066552.1/47

Right: 34.187+/-0.007 χ^2/NDF: 4885252.9/37

In: 35.391+/-0.005 χ^2/NDF:5556767.5/39

Out: 36.909+/-0.005 χ^2/NDF:6482646.1/45

All: 36.153+/-0.004 χ^2/NDF: 12079177.7/85



Right In: 0.000+/-0.000 χ^2/NDF: 17.9/16

Left Out: -0.000+/-0.000 χ^2/NDF:26.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 18.2/20

Left In: -0.000+/-0.000 χ^2/NDF:20.6/22

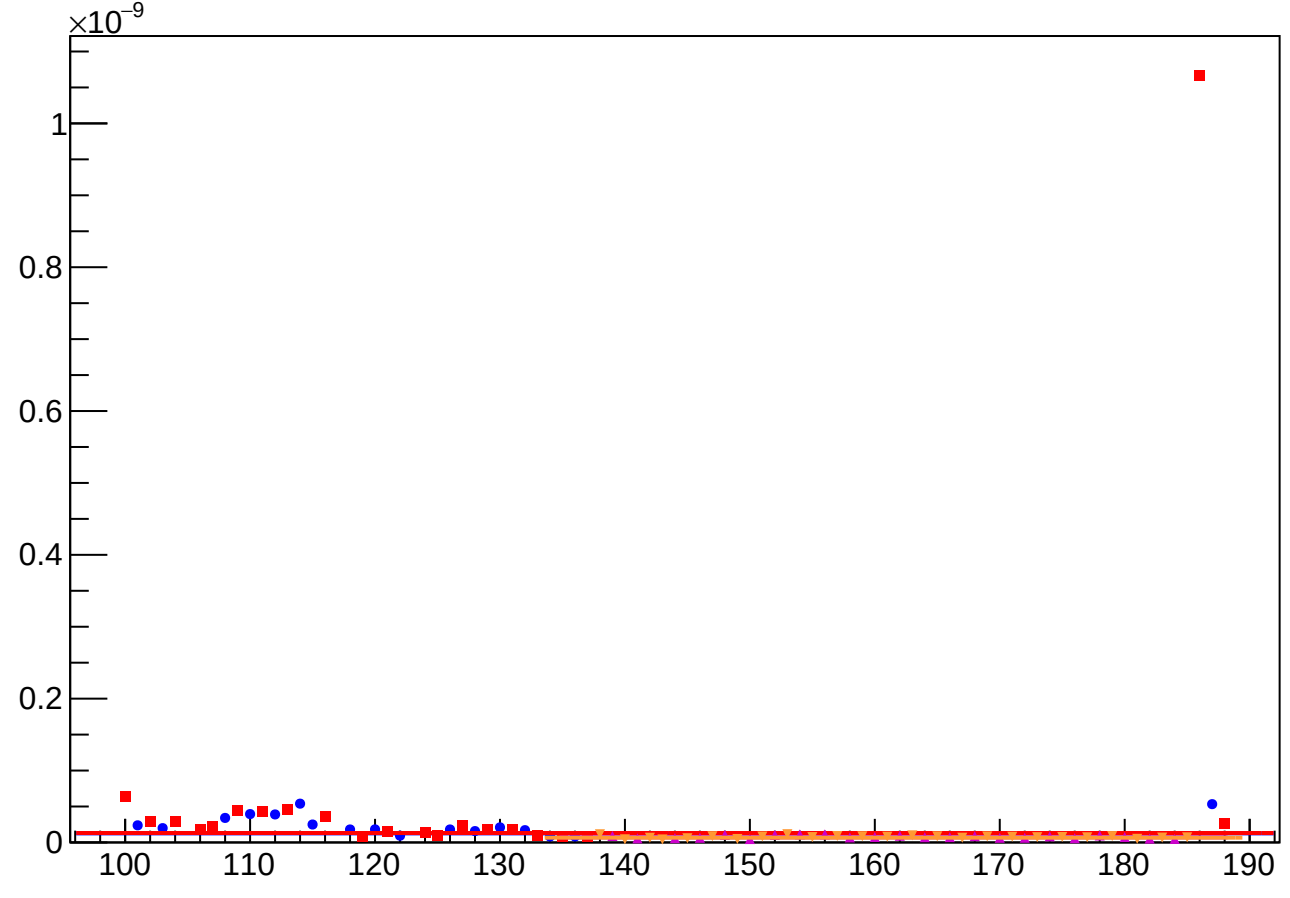
Left: -0.000+/-0.000 χ^2/NDF: 47.0/47

Right: 0.000+/-0.000 χ^2/NDF: 38.8/37

In: -0.000+/-0.000 χ^2/NDF:43.2/39

Out: -0.000+/-0.000 χ^2/NDF:44.3/45

All: -0.000+/-0.000 χ^2/NDF: 87.5/85



Right In: 0.000+/-0.000 χ^2/NDF: 2313535.8/16

Left Out: 0.000+/-0.000 χ^2/NDF:1953818.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3583158.5/20

Left In: 0.000+/-0.000 χ^2/NDF:1431998.0/22

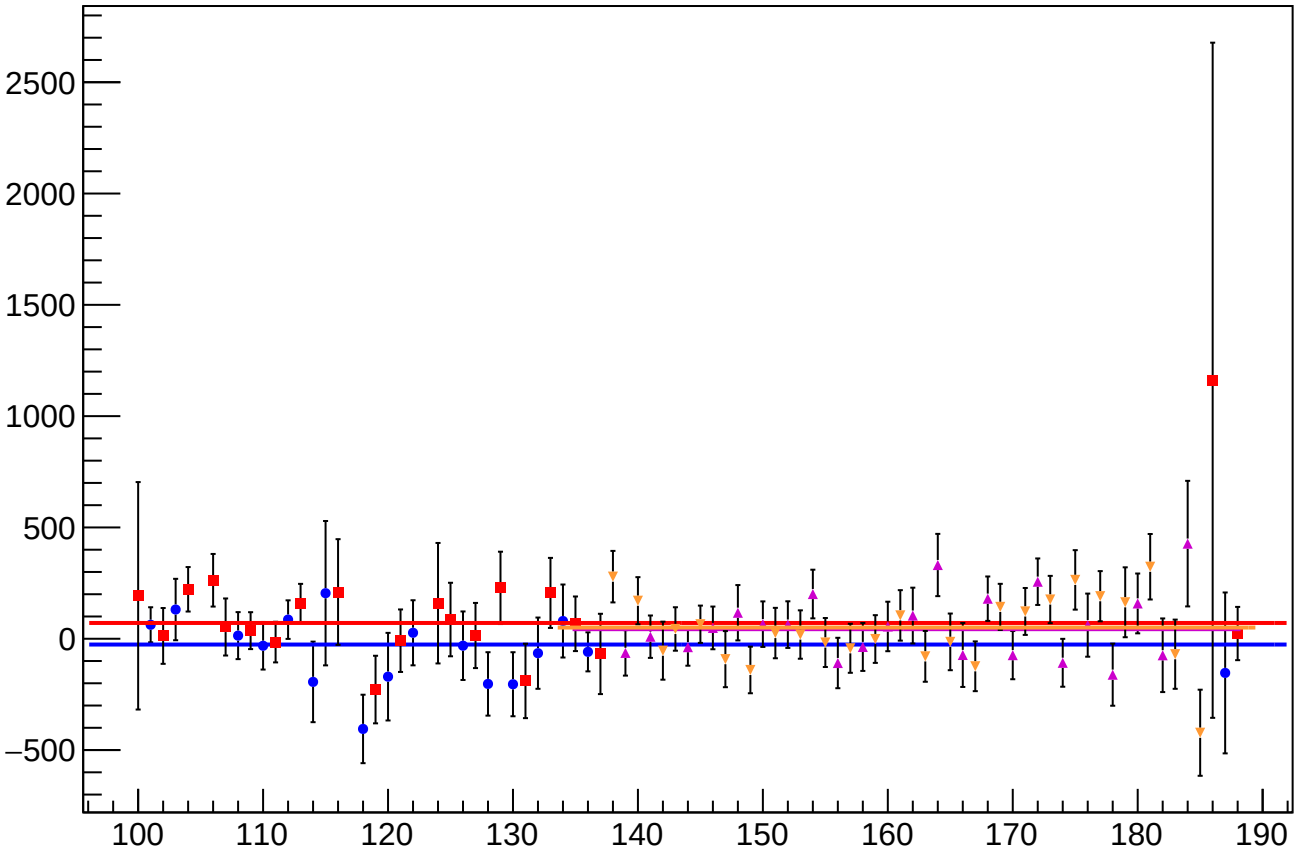
Left: 0.000+/-0.000 χ^2/NDF: 3428981.7/47

Right: 0.000+/-0.000 χ^2/NDF: 5902520.5/37

In: 0.000+/-0.000 χ^2/NDF:5093867.3/39

Out: 0.000+/-0.000 χ^2/NDF:7342519.9/45

All: 0.000+/-0.000 χ^2/NDF: 12483851.0/85



Right In: -26.024+/-31.114 χ^2/NDF: 16.3/16

Left Out: 50.314+/-22.958 χ^2/NDF:33.5/24

Right Out: 70.911+/-29.034 χ^2/NDF: 17.5/20

Left In: 43.026+/-23.758 χ^2/NDF:26.6/22

Left: 46.795+/-16.509 χ^2/NDF: 60.1/47

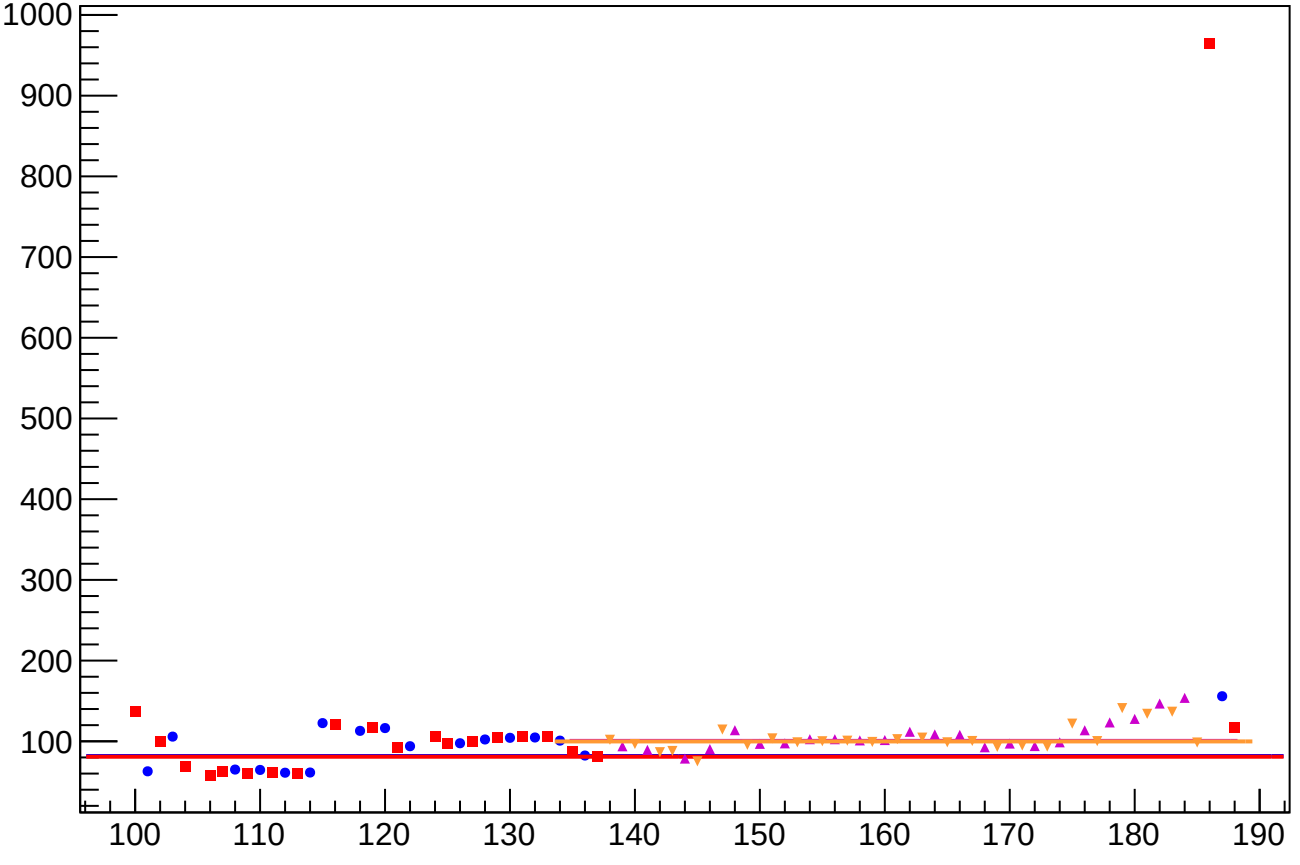
Right: 25.791+/-21.227 χ^2/NDF: 39.0/37

In: 17.593+/-18.883 χ^2/NDF:46.1/39

Out: 58.237+/-18.008 χ^2/NDF:51.2/45

All: 38.878+/-13.032 χ^2/NDF: 99.7/85

reg_asym_sam_1548_avg_rms vs Slug, Sign Corrected



Right In: 81.763+/-0.022 χ^2/NDF: 872344.9/16

Left Out: 99.839+/-0.016 χ^2/NDF:697768.7/24

Right Out: 80.898+/-0.021 χ^2/NDF: 1810295.1/20

Left In: 100.498+/-0.017 χ^2/NDF:656850.1/22

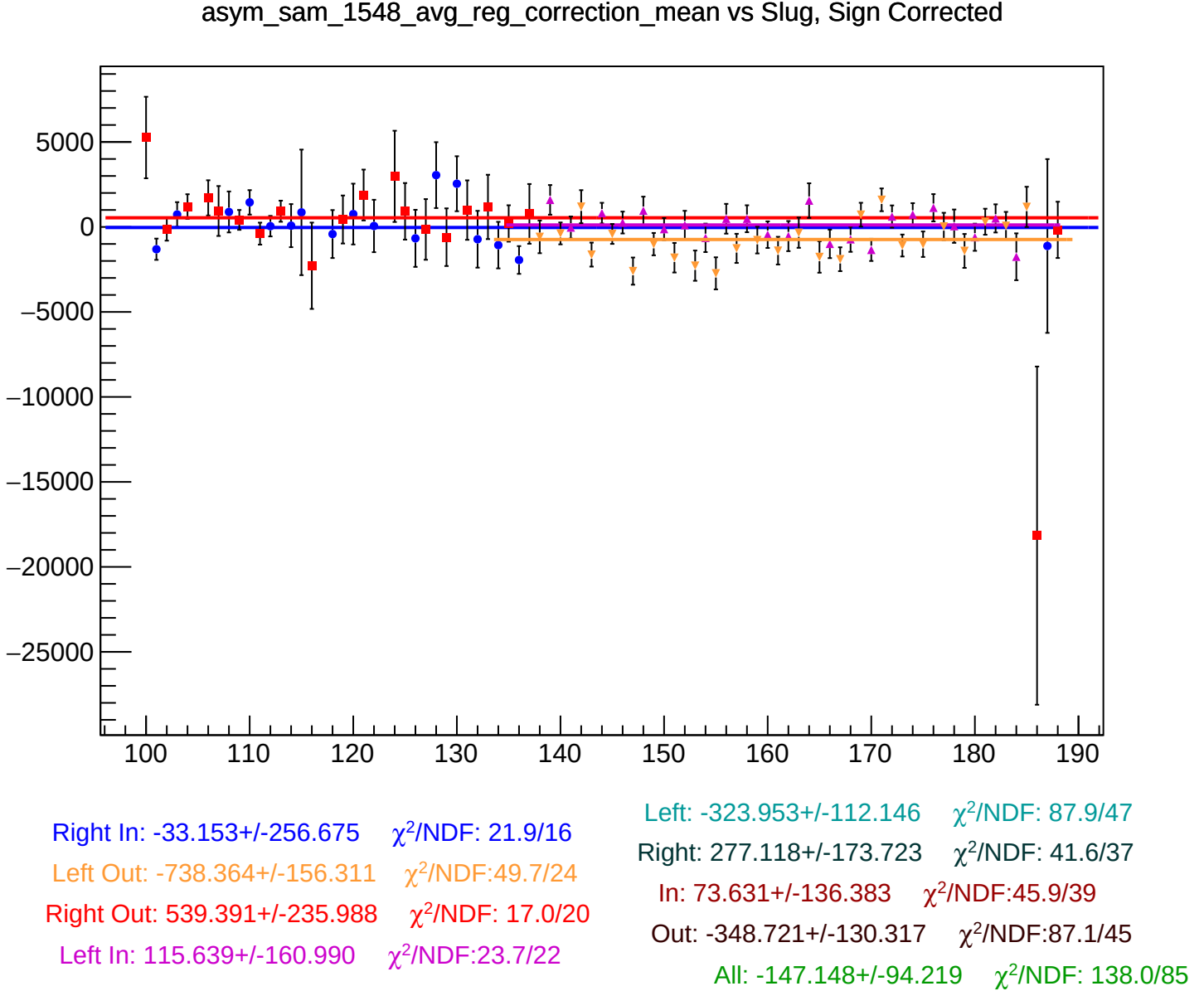
Left: 100.157+/-0.012 χ^2/NDF: 1355414.7/47

Right: 81.301+/-0.015 χ^2/NDF: 2683465.8/37

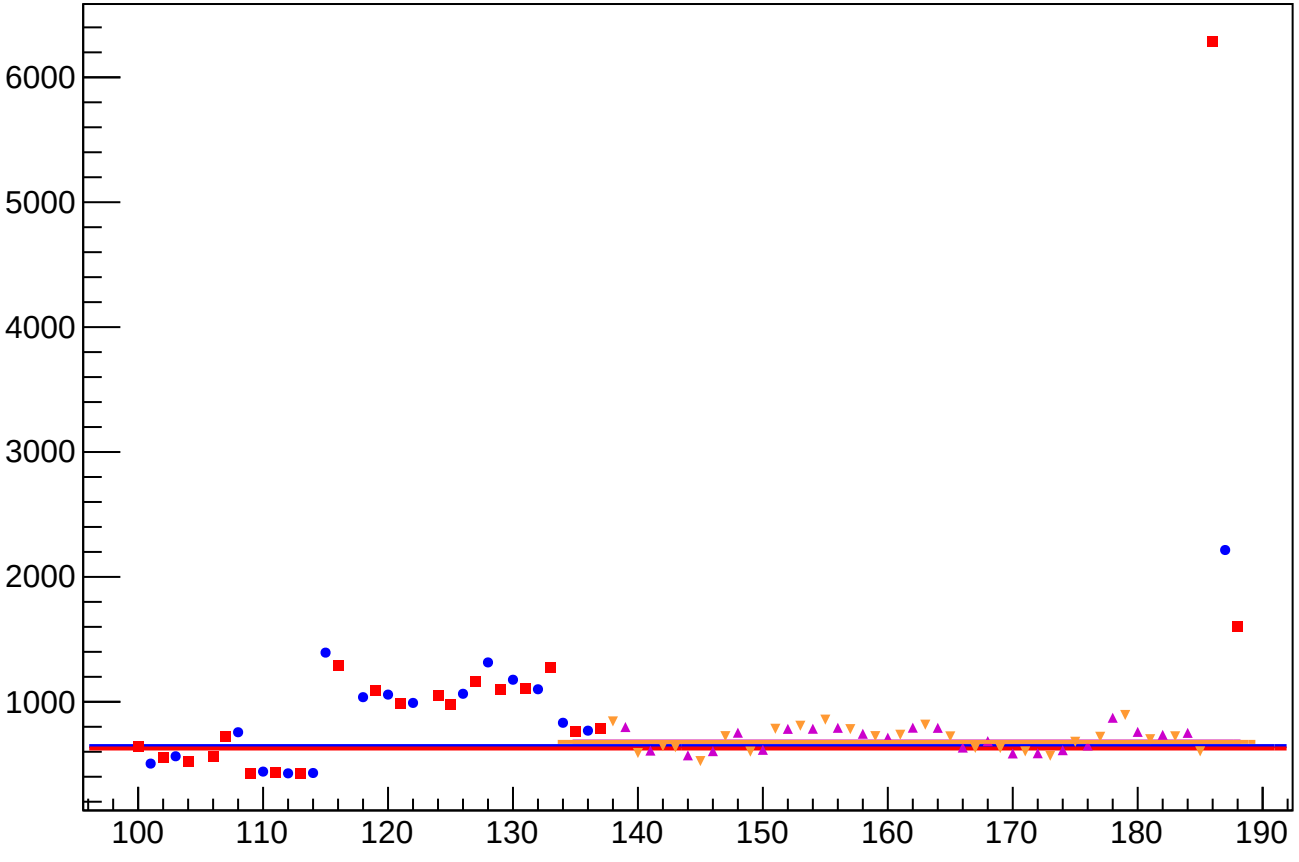
In: 93.597+/-0.013 χ^2/NDF:1987269.2/39

Out: 92.552+/-0.013 χ^2/NDF:3031780.6/45

All: 93.050+/-0.009 χ^2/NDF: 5022258.4/85


asym_sam_1548_avg_reg_correction_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
100
110
120
130
140
150
160
170
180
190
Right In: -33.153+/-256.675 χ²/NDF: 21.9/16
Left Out: -738.364+/-156.311 χ²/NDF:49.7/24
Right Out: 539.391+/-235.988 χ²/NDF: 17.0/20
Left In: 115.639+/-160.990 χ²/NDF:23.7/22
Left: -323.953+/-112.146 χ²/NDF: 87.9/47
Right: 277.118+/-173.723 χ²/NDF: 41.6/37
In: 73.631+/-136.383 χ²/NDF:45.9/39
Out: -348.721+/-130.317 χ²/NDF:87.1/45
All: -147.148+/-94.219 χ²/NDF: 138.0/85

asym_sam_1548_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 645.466+/-0.181 χ^2/NDF: 2064079.2/16

Left Out: 679.146+/-0.111 χ^2/NDF:737419.7/24

Right Out: 626.148+/-0.167 χ^2/NDF: 3431189.9/20

Left In: 681.893+/-0.114 χ^2/NDF:573812.4/22

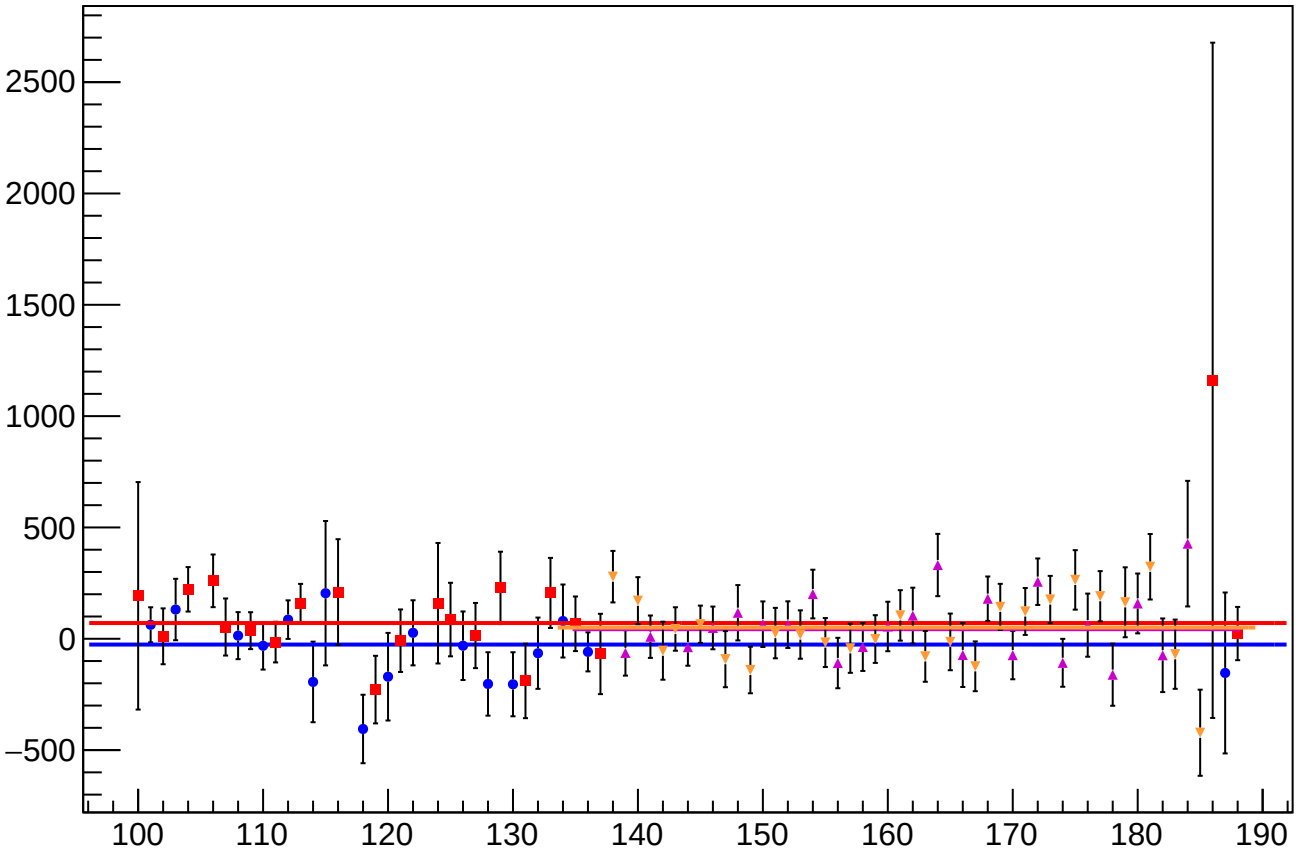
Left: 680.479+/-0.079 χ^2/NDF: 1311531.8/47

Right: 634.997+/-0.123 χ^2/NDF: 5501408.3/37

In: 671.609+/-0.096 χ^2/NDF:2666800.6/39

Out: 662.985+/-0.092 χ^2/NDF:4238721.4/45

All: 667.101+/-0.067 χ^2/NDF: 6909702.2/85



Right In: -26.028+/-31.114 χ^2/NDF: 16.3/16

Left Out: 50.322+/-22.958 χ^2/NDF:33.4/24

Right Out: 70.660+/-29.036 χ^2/NDF: 17.4/20

Left In: 43.026+/-23.758 χ^2/NDF:26.6/22

Left: 46.799+/-16.509 χ^2/NDF: 60.1/47

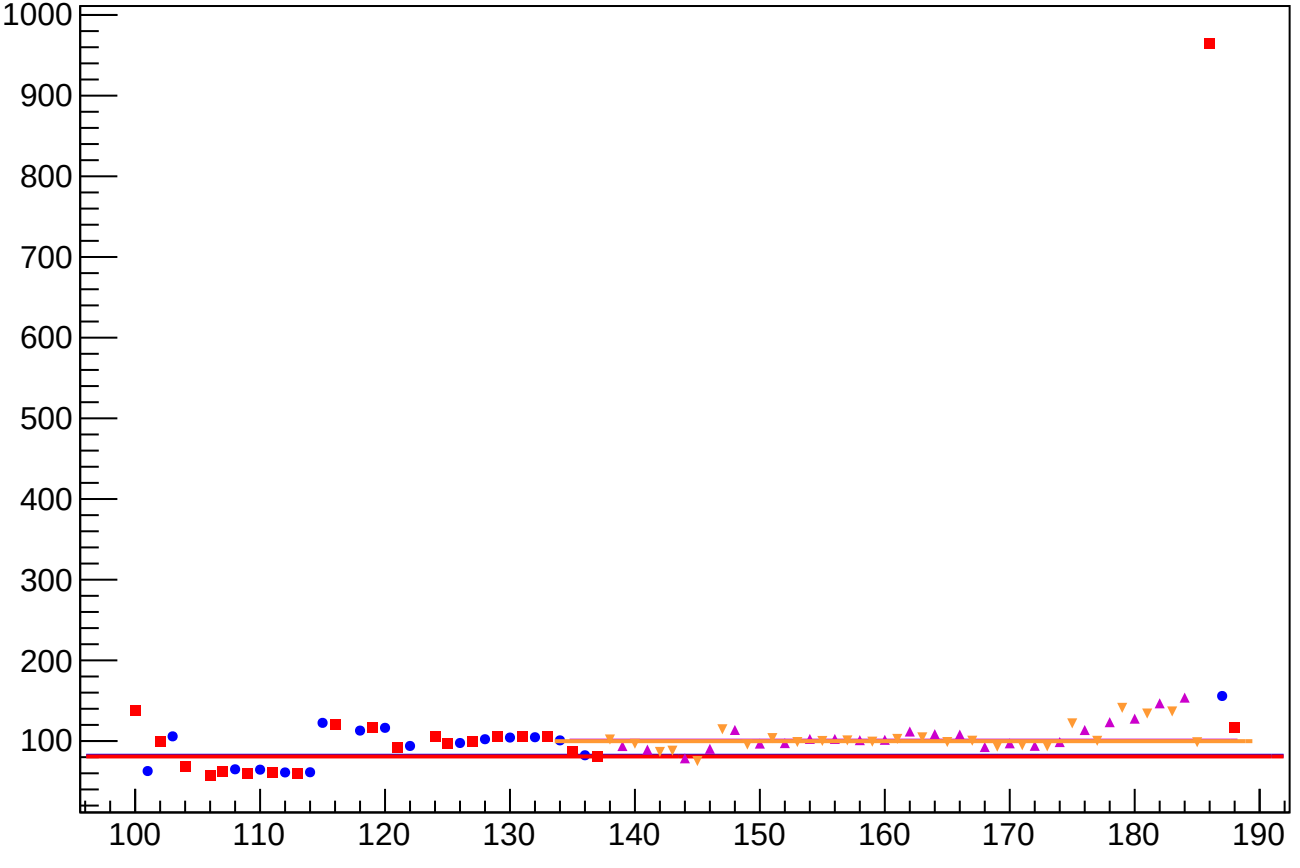
Right: 25.652+/-21.228 χ^2/NDF: 38.9/37

In: 17.593+/-18.883 χ^2/NDF:46.1/39

Out: 58.146+/-18.009 χ^2/NDF:51.2/45

All: 38.829+/-13.032 χ^2/NDF: 99.6/85

cor_asym_sam_1548_avg_rms vs Slug, Sign Corrected



Right In: 81.763+/-0.022 χ^2/NDF: 872347.2/16

Left Out: 99.839+/-0.016 χ^2/NDF:697768.8/24

Right Out: 80.881+/-0.021 χ^2/NDF: 1812648.0/20

Left In: 100.498+/-0.017 χ^2/NDF:656850.1/22

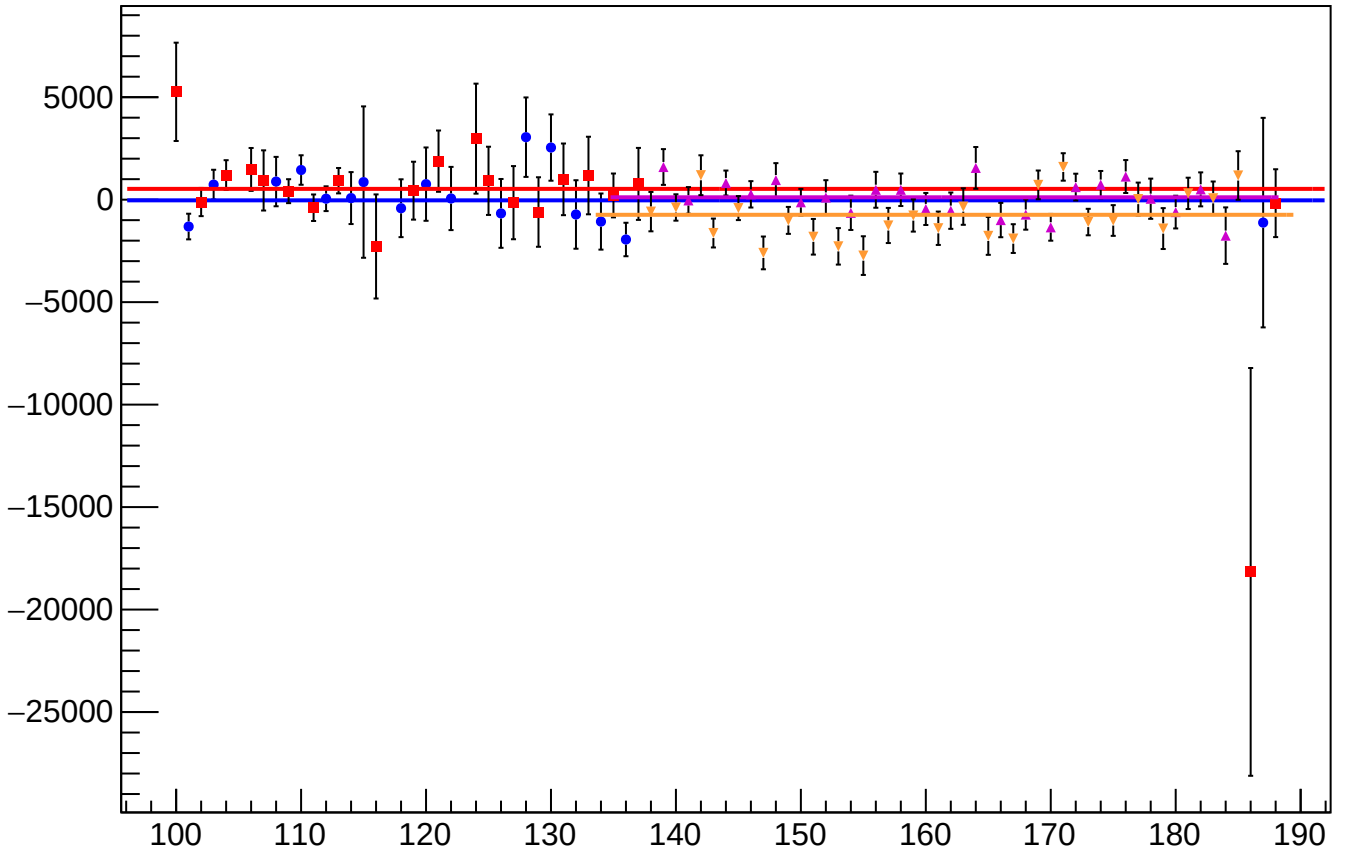
Left: 100.157+/-0.012 χ^2/NDF: 1355414.8/47

Right: 81.291+/-0.015 χ^2/NDF: 2685854.3/37

In: 93.597+/-0.013 χ^2/NDF:1987270.6/39

Out: 92.546+/-0.013 χ^2/NDF:3035050.1/45

All: 93.047+/-0.009 χ^2/NDF: 5025566.9/85



Right In: -33.180+/-256.678 χ^2/NDF: 21.9/16

Left Out: -738.352+/-156.311 χ^2/NDF:49.7/24

Right Out: 526.688+/-236.132 χ^2/NDF: 16.5/20

Left In: 115.639+/-160.990 χ^2/NDF:23.7/22

Left: -323.947+/-112.146 χ^2/NDF: 87.9/47

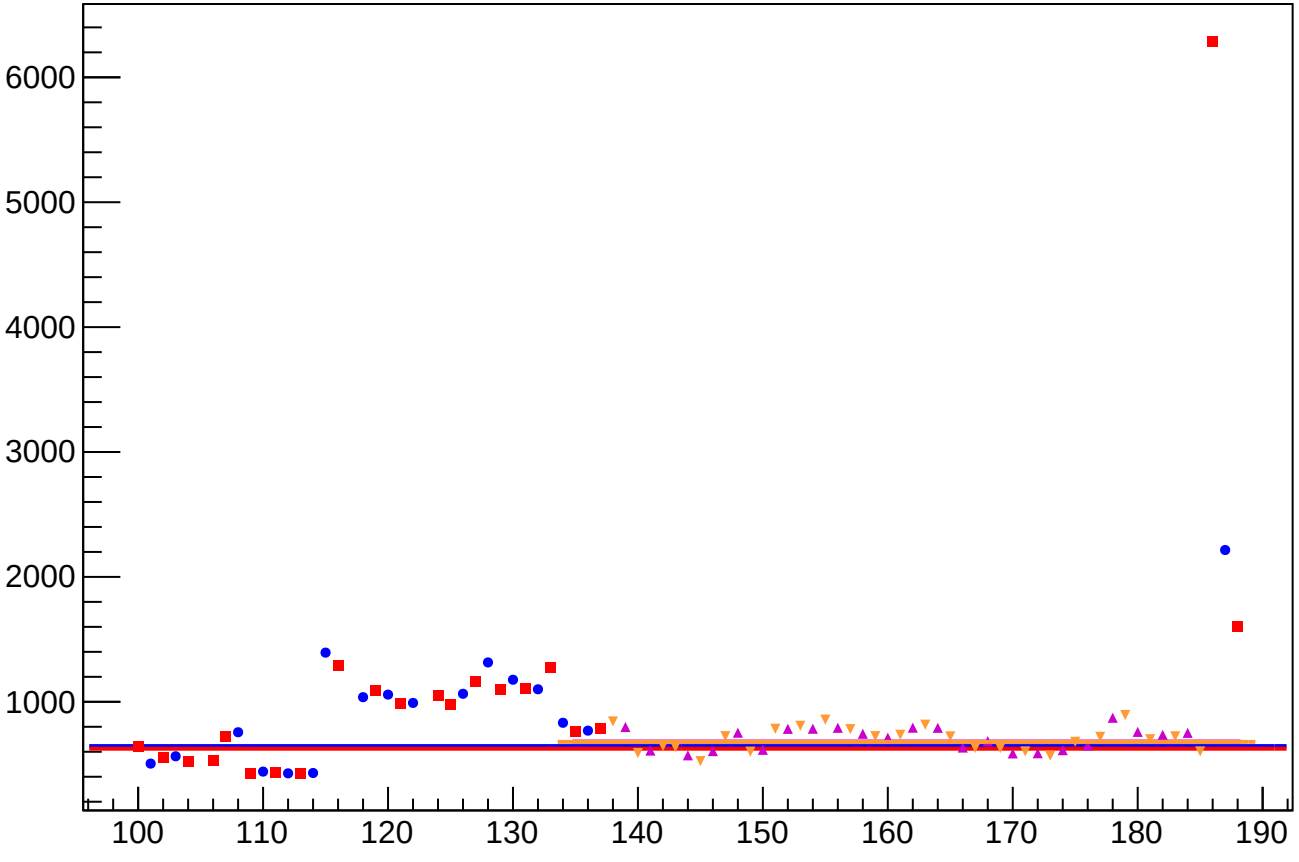
Right: 270.056+/-173.781 χ^2/NDF: 41.0/37

In: 73.624+/-136.384 χ^2/NDF:45.9/39

Out: -352.912+/-130.341 χ^2/NDF:86.2/45

All: -149.303+/-94.229 χ^2/NDF: 137.2/85

asym_sam_1548_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 645.475+/-0.181 χ^2/NDF: 2064036.0/16

Left Out: 679.146+/-0.111 χ^2/NDF:737418.6/24

Right Out: 624.534+/-0.167 χ^2/NDF: 3440865.2/20

Left In: 681.893+/-0.114 χ^2/NDF:573813.6/22

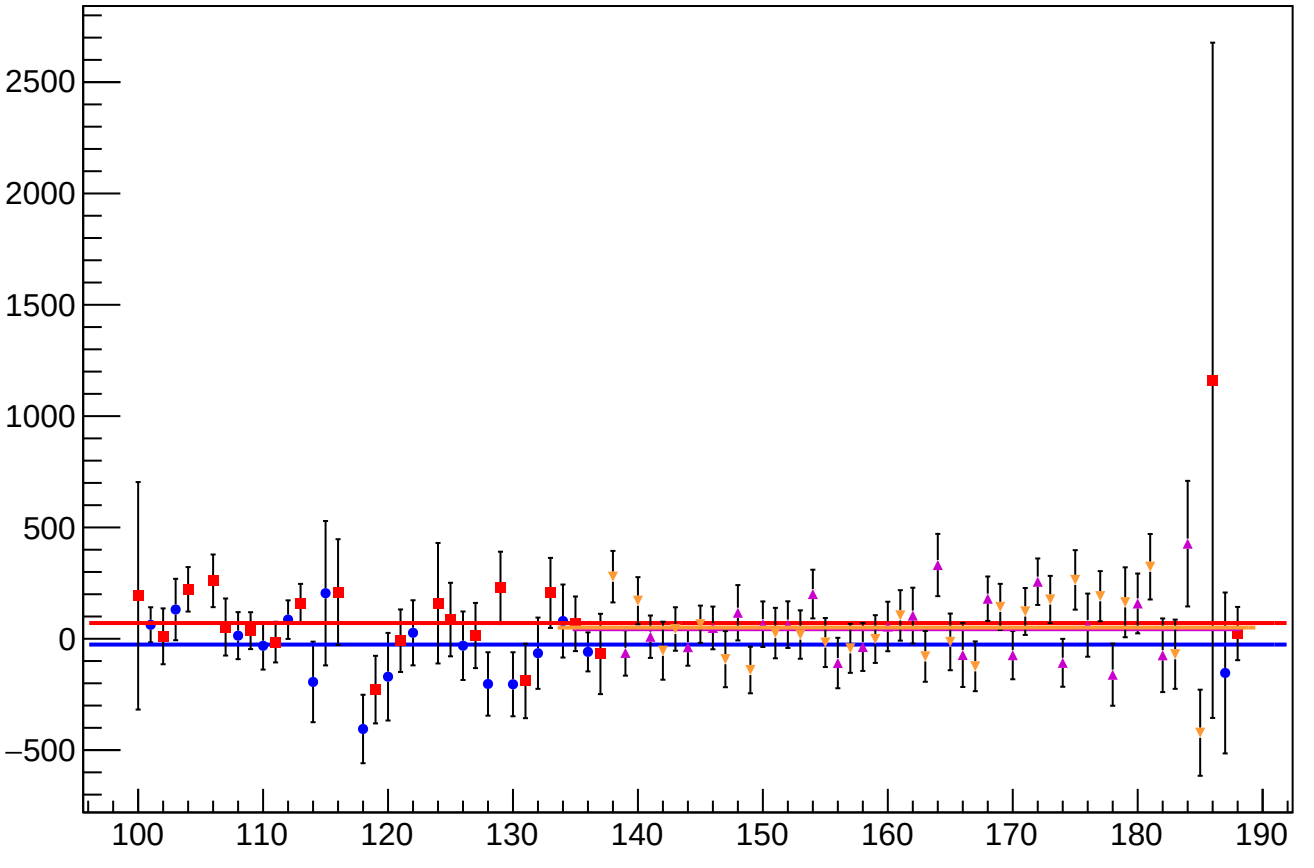
Left: 680.479+/-0.079 χ^2/NDF: 1311532.0/47

Right: 634.133+/-0.123 χ^2/NDF: 5512111.7/37

In: 671.612+/-0.096 χ^2/NDF:2666744.0/39

Out: 662.507+/-0.092 χ^2/NDF:4252669.7/45

All: 666.853+/-0.067 χ^2/NDF: 6924072.4/85



Right In: -26.028+/-31.114 χ^2/NDF: 16.3/16

Left Out: 50.322+/-22.958 χ^2/NDF:33.4/24

Right Out: 70.660+/-29.036 χ^2/NDF: 17.4/20

Left In: 43.026+/-23.758 χ^2/NDF:26.6/22

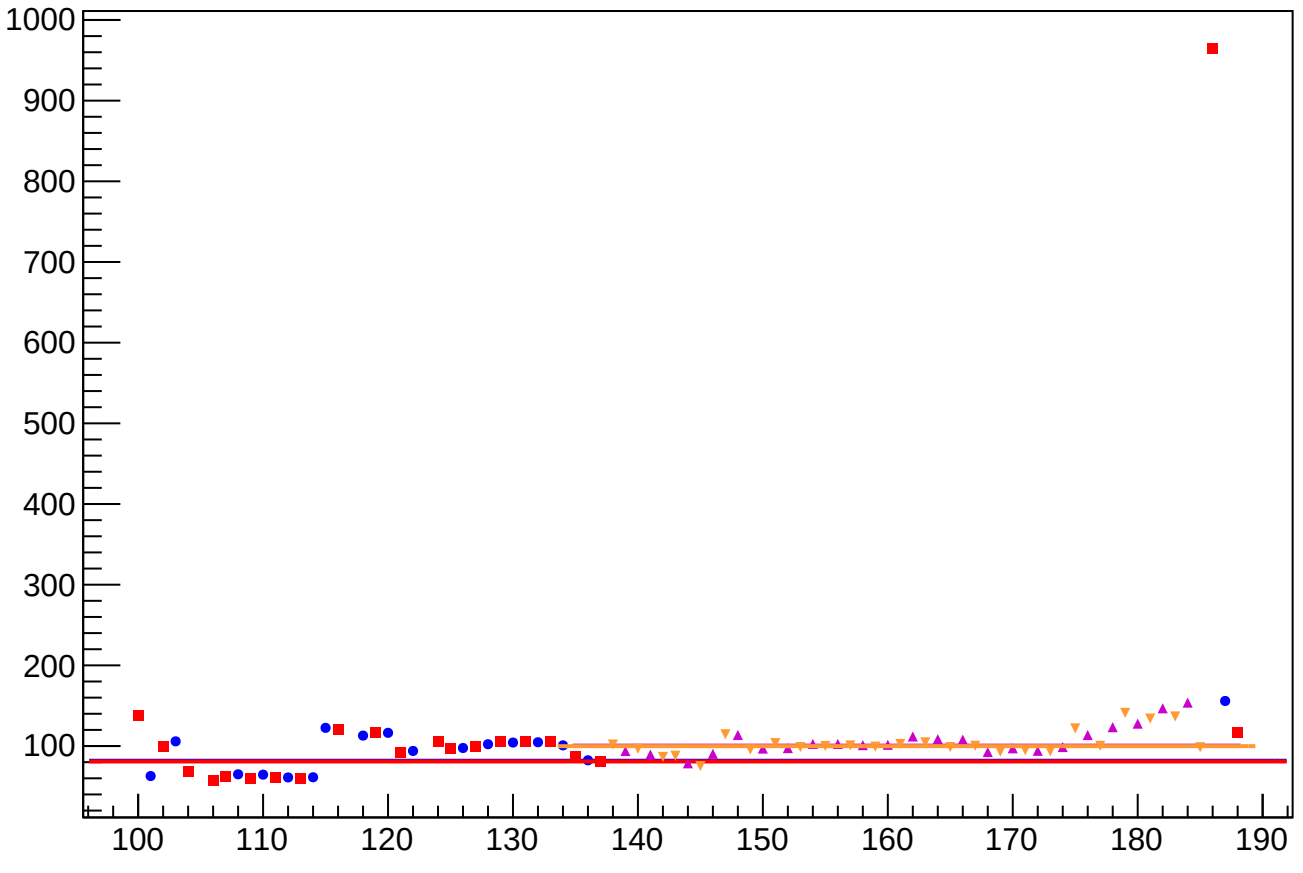
Left: 46.799+/-16.509 χ^2/NDF: 60.1/47

Right: 25.652+/-21.228 χ^2/NDF: 38.9/37

In: 17.593+/-18.883 χ^2/NDF:46.1/39

Out: 58.146+/-18.009 χ^2/NDF:51.2/45

All: 38.829+/-13.032 χ^2/NDF: 99.6/85



Right In: 81.763+/-0.022 χ^2/NDF: 872347.2/16

Left Out: 99.839+/-0.016 χ^2/NDF:697768.8/24

Right Out: 80.881+/-0.021 χ^2/NDF: 1812648.0/20

Left In: 100.498+/-0.017 χ^2/NDF:656850.1/22

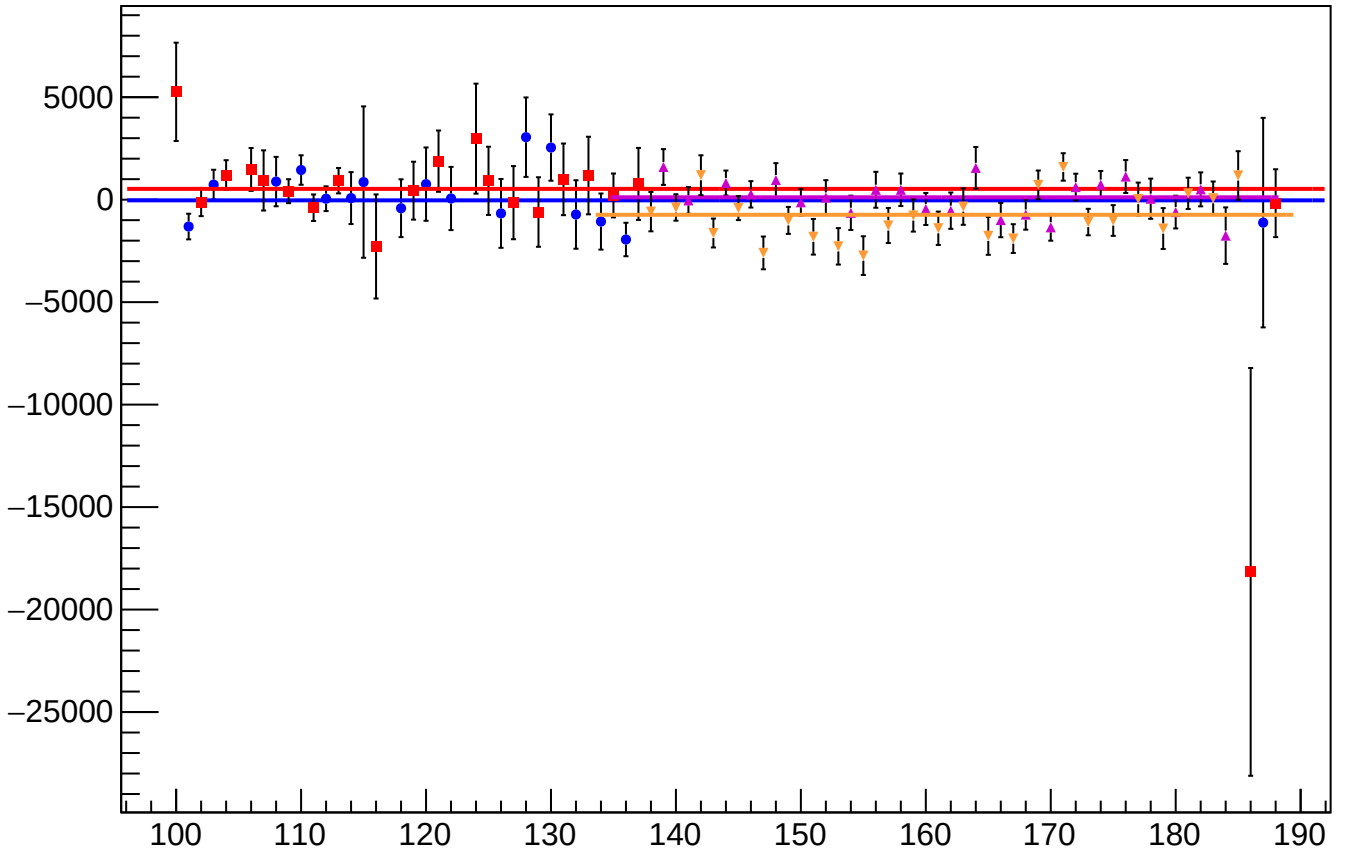
Left: 100.157+/-0.012 χ^2/NDF: 1355414.8/47

Right: 81.291+/-0.015 χ^2/NDF: 2685854.3/37

In: 93.597+/-0.013 χ^2/NDF:1987270.6/39

Out: 92.546+/-0.013 χ^2/NDF:3035050.1/45

All: 93.047+/-0.009 χ^2/NDF: 5025566.9/85



Right In: -33.180+/-256.678 χ^2/NDF: 21.9/16

Left Out: -738.352+/-156.311 χ^2/NDF:49.7/24

Right Out: 526.688+/-236.132 χ^2/NDF: 16.5/20

Left In: 115.639+/-160.990 χ^2/NDF:23.7/22

Left: -323.947+/-112.146 χ^2/NDF: 87.9/47

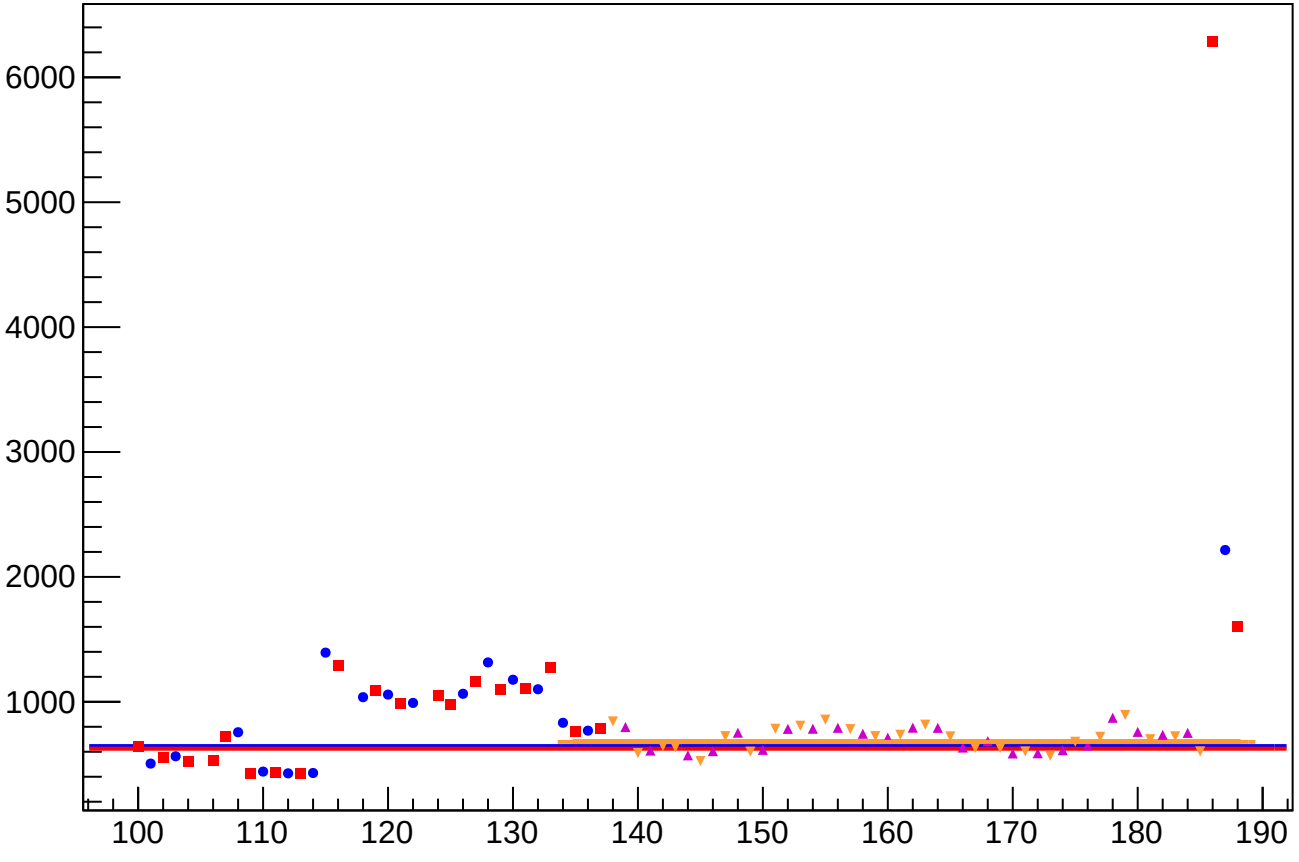
Right: 270.056+/-173.781 χ^2/NDF: 41.0/37

In: 73.624+/-136.384 χ^2/NDF:45.9/39

Out: -352.912+/-130.341 χ^2/NDF:86.2/45

All: -149.303+/-94.229 χ^2/NDF: 137.2/85

asym_sam_1548_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 645.475+/-0.181 χ^2/NDF: 2064036.0/16

Left Out: 679.146+/-0.111 χ^2/NDF:737418.6/24

Right Out: 624.534+/-0.167 χ^2/NDF: 3440865.2/20

Left In: 681.893+/-0.114 χ^2/NDF:573813.6/22

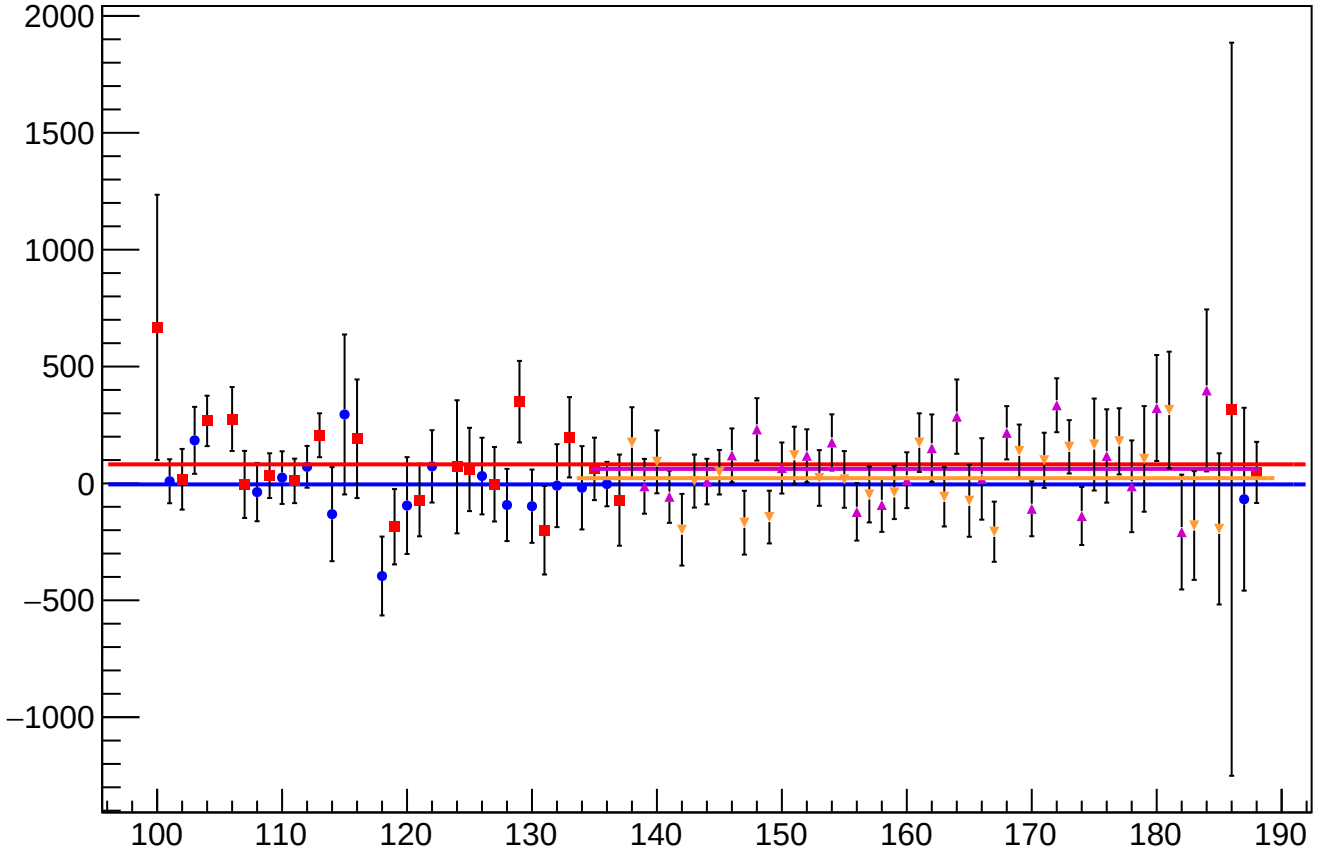
Left: 680.479+/-0.079 χ^2/NDF: 1311532.0/47

Right: 634.133+/-0.123 χ^2/NDF: 5512111.7/37

In: 671.612+/-0.096 χ^2/NDF:2666744.0/39

Out: 662.507+/-0.092 χ^2/NDF:4252669.7/45

All: 666.853+/-0.067 χ^2/NDF: 6924072.4/85



Right In: -4.118+/-34.023 χ^2/NDF: 10.4/16

Left Out: 22.542+/-26.643 χ^2/NDF:21.6/24

Right Out: 81.631+/-31.657 χ^2/NDF: 19.2/20

Left In: 62.169+/-27.339 χ^2/NDF:27.3/22

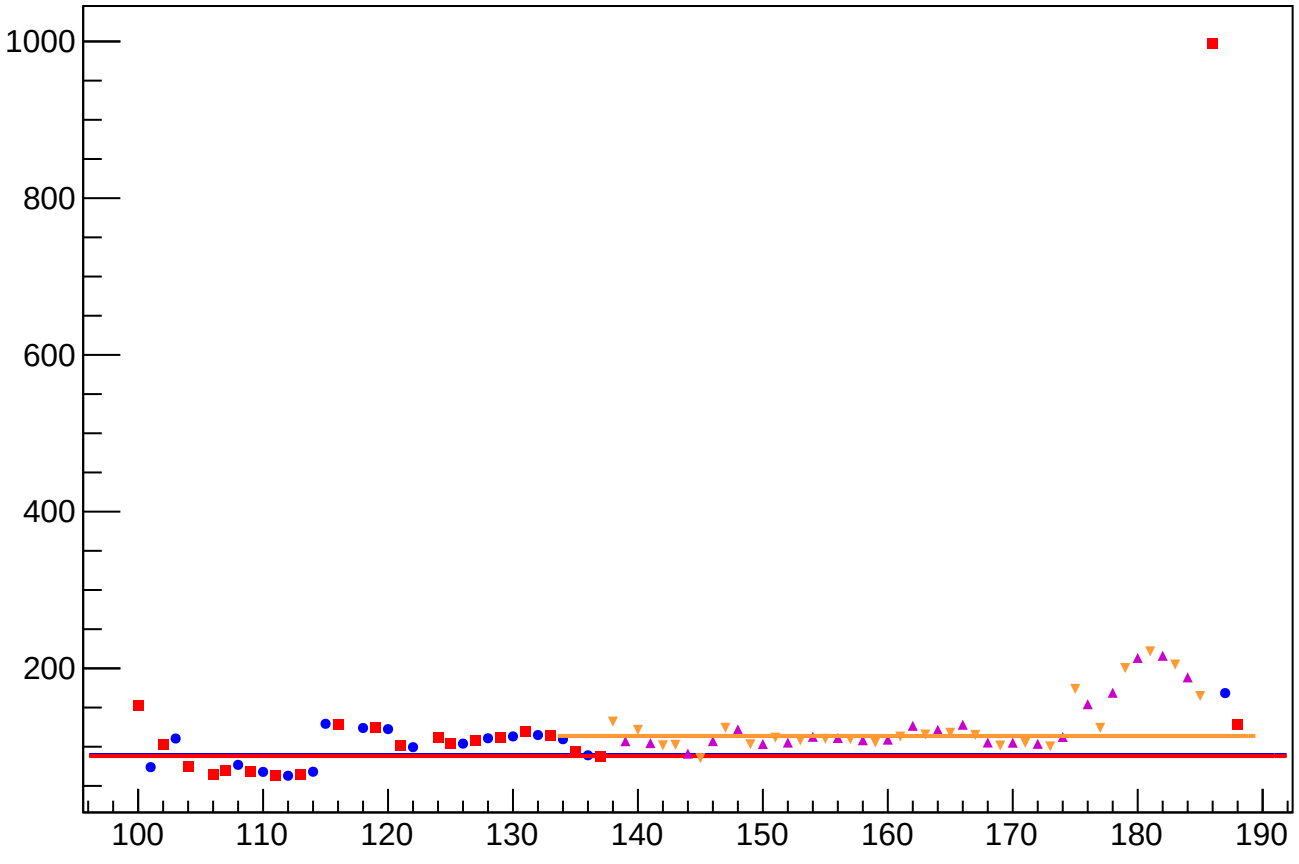
Left: 41.845+/-19.081 χ^2/NDF: 50.0/47

Right: 41.841+/-23.176 χ^2/NDF: 32.9/37

In: 36.161+/-21.311 χ^2/NDF:40.0/39

Out: 47.042+/-20.384 χ^2/NDF:42.8/45

All: 41.844+/-14.731 χ^2/NDF: 82.9/85



Right In: 89.416+/-0.024 χ^2/NDF: 806827.7/16

Left Out: 113.766+/-0.019 χ^2/NDF:1579920.3/24

Right Out: 88.091+/-0.022 χ^2/NDF: 1756553.8/20

Left In: 113.677+/-0.019 χ^2/NDF:1316044.6/22

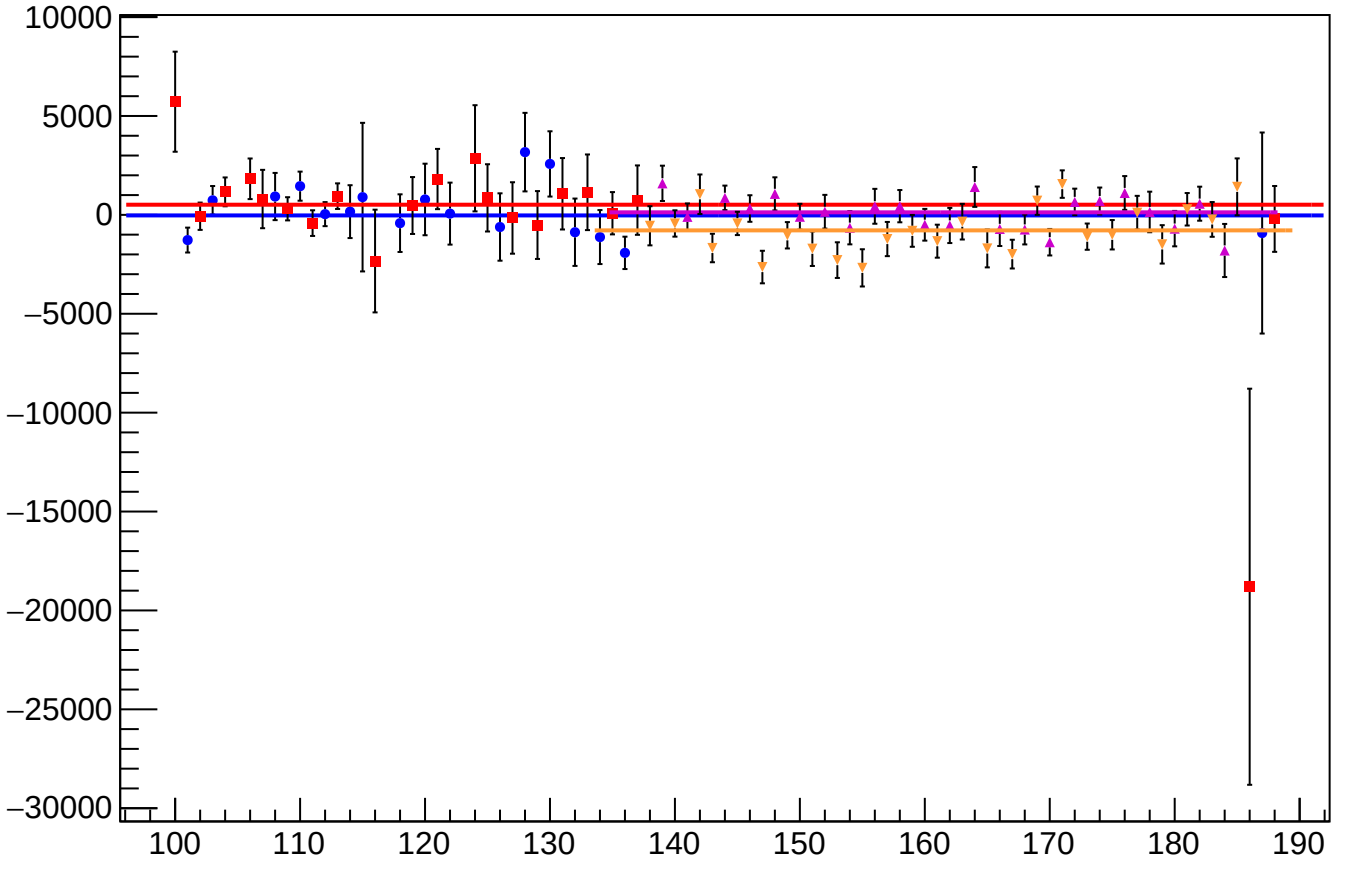
Left: 113.723+/-0.013 χ^2/NDF: 2895975.8/47

Right: 88.706+/-0.016 χ^2/NDF: 2565006.2/37

In: 104.158+/-0.015 χ^2/NDF:2740838.6/39

Out: 103.120+/-0.014 χ^2/NDF:4106569.1/45

All: 103.616+/-0.010 χ^2/NDF: 6849883.4/85



Right In: -28.089+/-259.064 χ^2/NDF: 21.6/16

Left Out: -784.286+/-160.482 χ^2/NDF:45.4/24

Right Out: 513.343+/-238.677 χ^2/NDF: 17.6/20

Left In: 128.155+/-165.255 χ^2/NDF:22.7/22

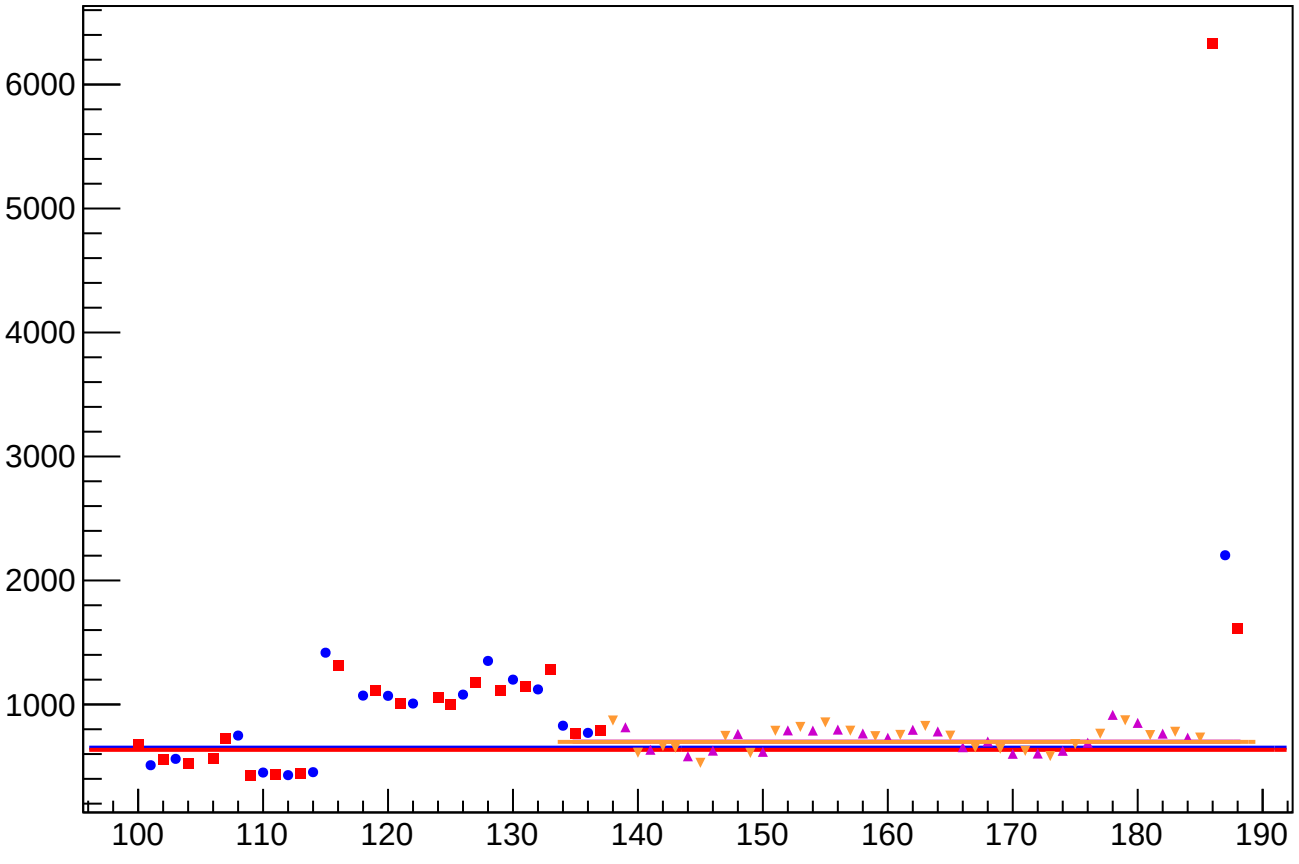
Left: -341.434+/-115.128 χ^2/NDF: 83.8/47

Right: 264.766+/-175.536 χ^2/NDF: 41.5/37

In: 82.966+/-139.323 χ^2/NDF:44.6/39

Out: -380.283+/-133.177 χ^2/NDF:83.3/45

All: -159.101+/-96.270 χ^2/NDF: 133.7/85



Right In: 651.683+/-0.183 χ^2/NDF: 2074752.1/16

Left Out: 698.237+/-0.113 χ^2/NDF:714686.8/24

Right Out: 633.909+/-0.169 χ^2/NDF: 3431786.0/20

Left In: 700.079+/-0.117 χ^2/NDF:584318.7/22

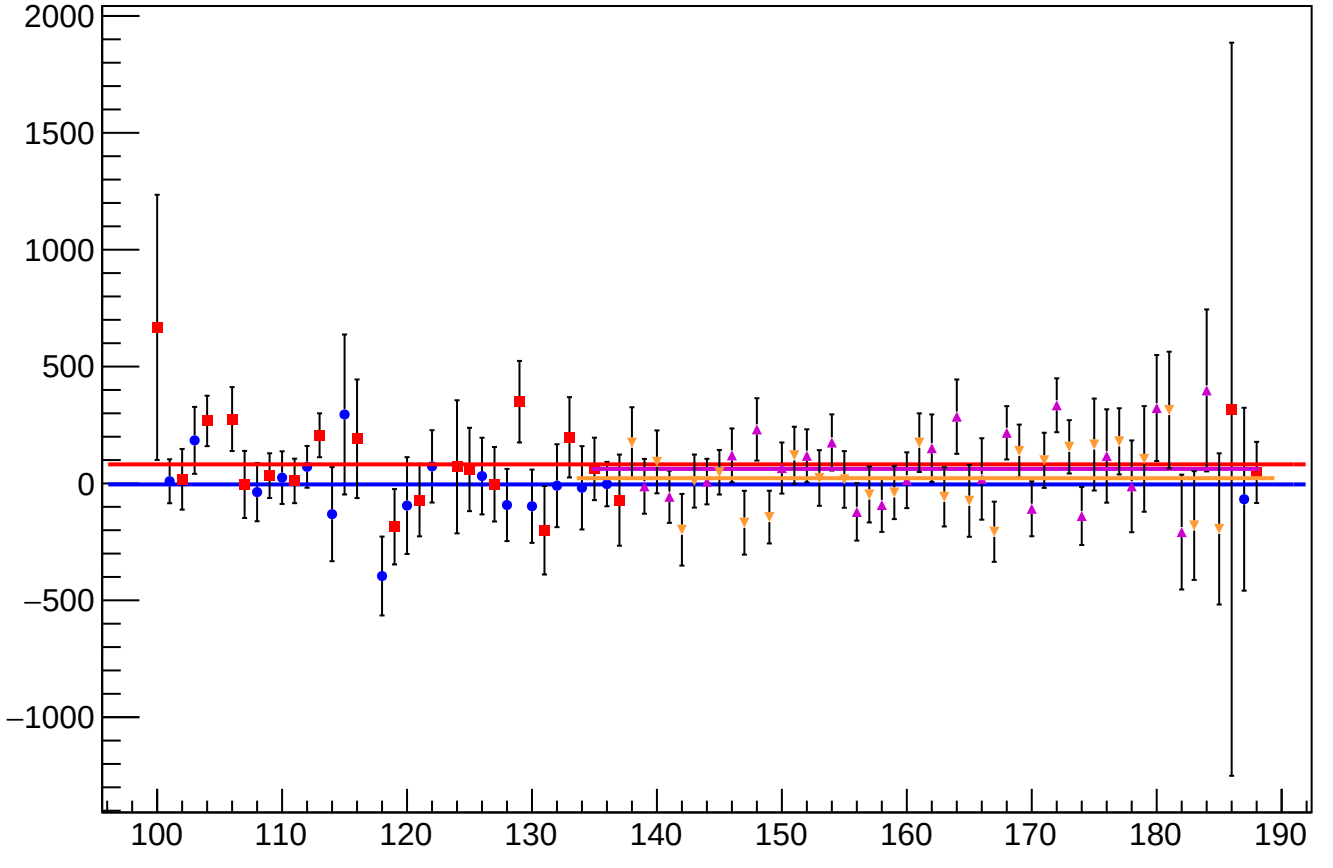
Left: 699.131+/-0.081 χ^2/NDF: 1299133.4/47

Right: 642.069+/-0.124 χ^2/NDF: 5511630.0/37

In: 686.082+/-0.099 χ^2/NDF:2708681.2/39

Out: 678.209+/-0.094 χ^2/NDF:4246521.4/45

All: 681.968+/-0.068 χ^2/NDF: 6958539.7/85



Right In: -4.117+/-34.023 χ^2/NDF: 10.4/16

Left Out: 22.544+/-26.643 χ^2/NDF:21.6/24

Right Out: 81.631+/-31.657 χ^2/NDF: 19.2/20

Left In: 62.169+/-27.339 χ^2/NDF:27.3/22

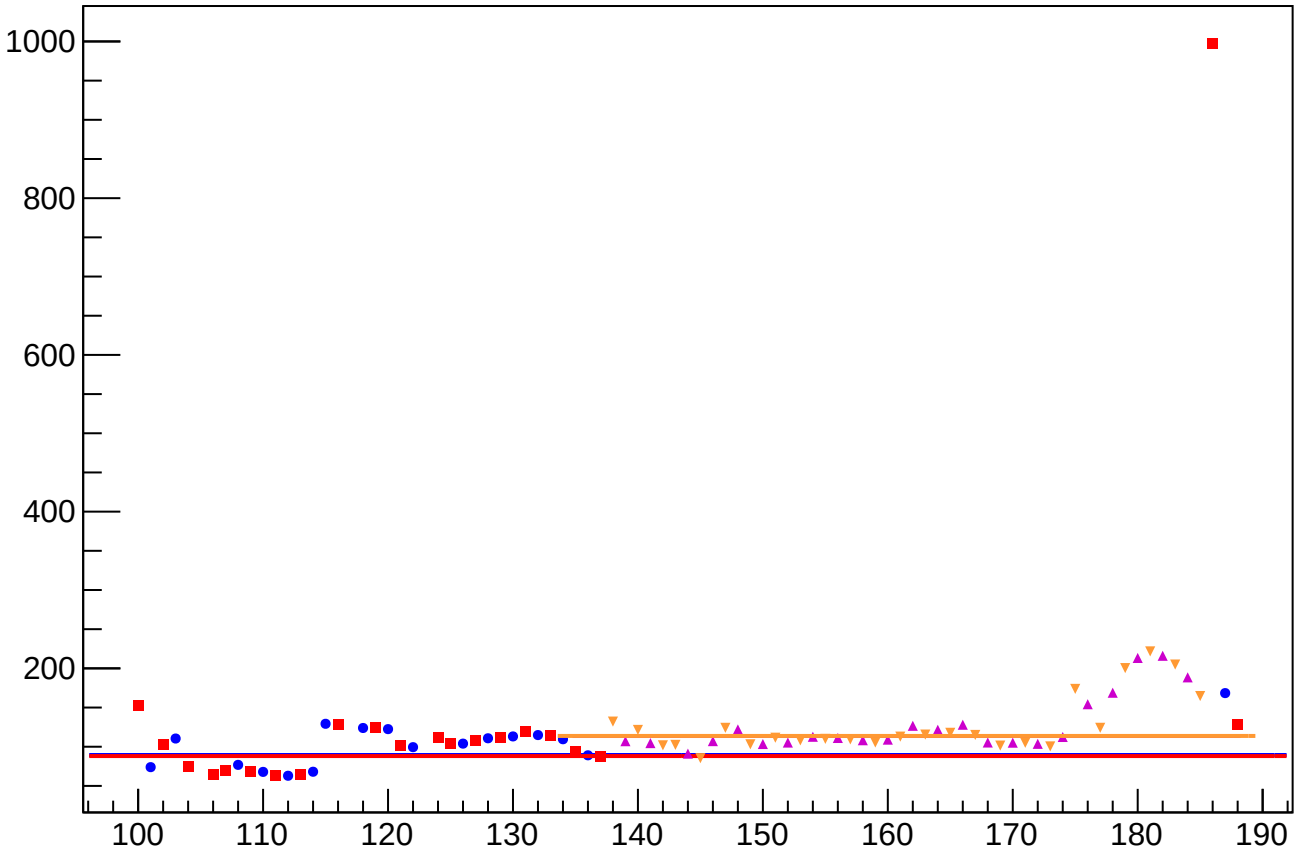
Left: 41.846+/-19.081 χ^2/NDF: 50.0/47

Right: 41.842+/-23.176 χ^2/NDF: 32.9/37

In: 36.162+/-21.311 χ^2/NDF:40.0/39

Out: 47.043+/-20.385 χ^2/NDF:42.8/45

All: 41.844+/-14.731 χ^2/NDF: 82.9/85



Right In: 89.416+/-0.024 χ^2/NDF: 806827.9/16

Left Out: 113.766+/-0.019 χ^2/NDF:1579910.8/24

Right Out: 88.091+/-0.022 χ^2/NDF: 1756555.6/20

Left In: 113.677+/-0.019 χ^2/NDF:1316023.5/22

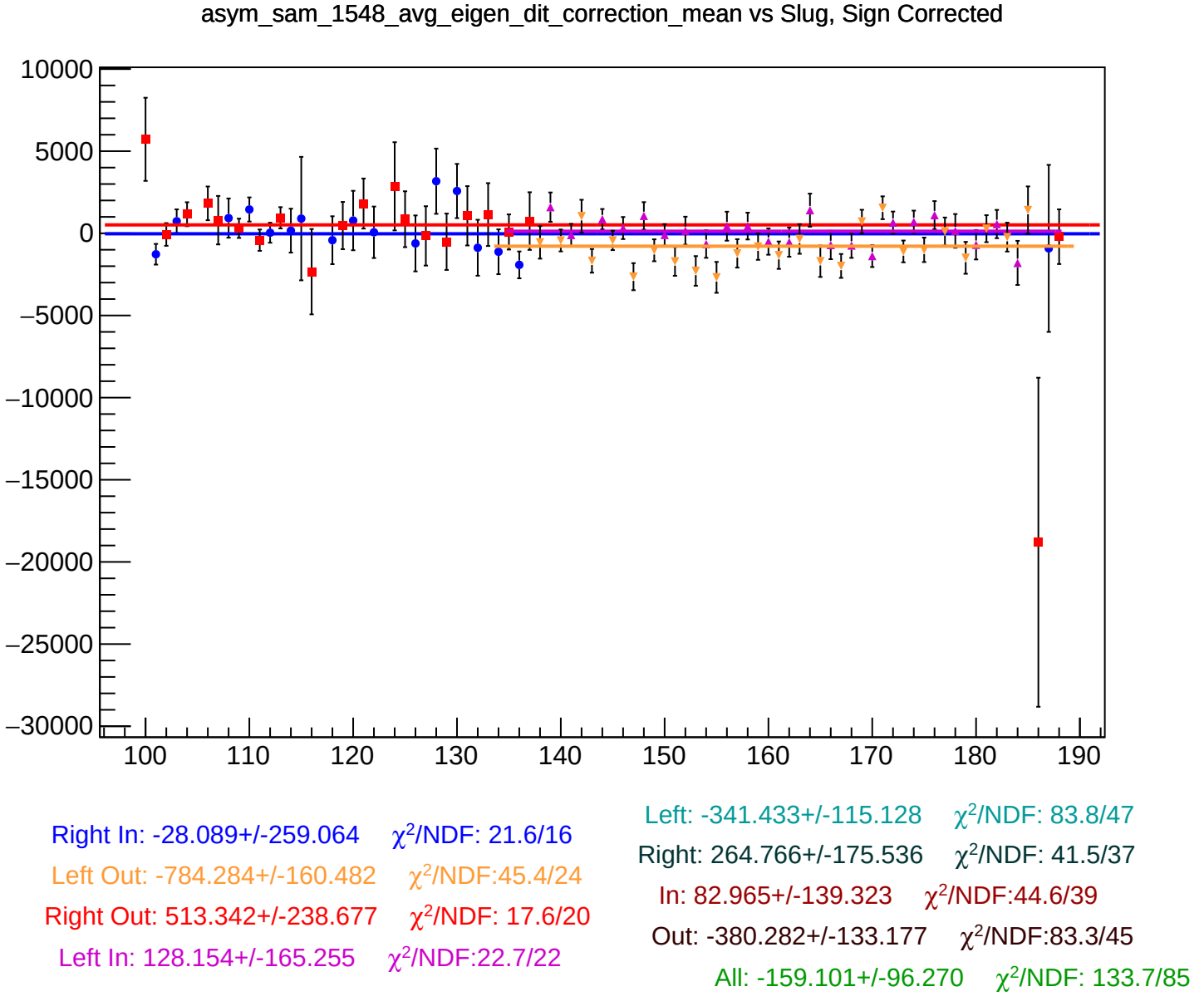
Left: 113.723+/-0.013 χ^2/NDF: 2895945.2/47

Right: 88.706+/-0.016 χ^2/NDF: 2565008.2/37

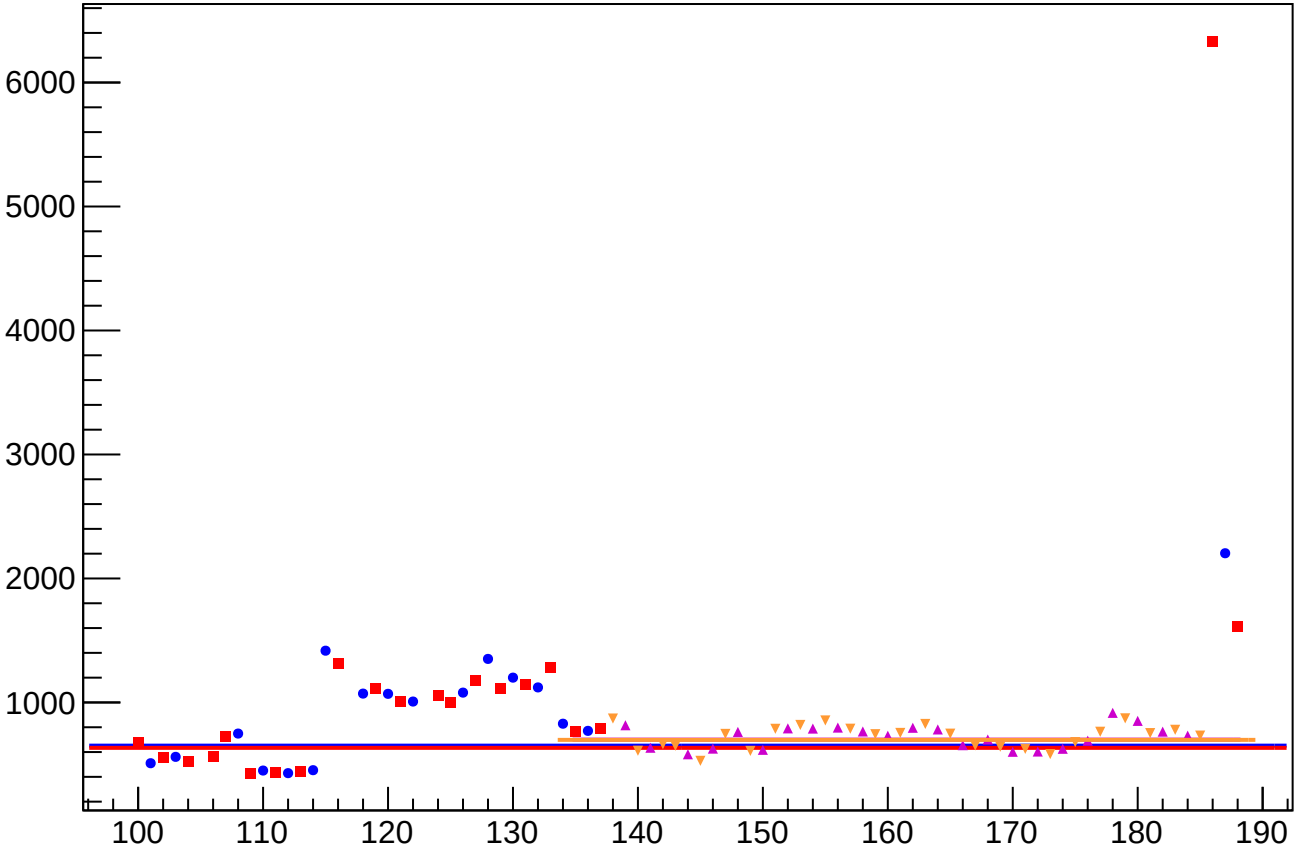
In: 104.158+/-0.015 χ^2/NDF:2740826.4/39

Out: 103.120+/-0.014 χ^2/NDF:4106570.2/45

All: 103.616+/-0.010 χ^2/NDF: 6849872.5/85


asym_sam_1548_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
10000
5000
0
−5000
−10000
−15000
−20000
−25000
−30000
100
110
120
130
140
150
160
170
180
190
Right In: -28.089+/-259.064 χ²/NDF: 21.6/16
Left Out: -784.284+/-160.482 χ²/NDF:45.4/24
Right Out: 513.342+/-238.677 χ²/NDF: 17.6/20
Left In: 128.154+/-165.255 χ²/NDF:22.7/22
Left: -341.433+/-115.128 χ²/NDF: 83.8/47
Right: 264.766+/-175.536 χ²/NDF: 41.5/37
In: 82.965+/-139.323 χ²/NDF:44.6/39
Out: -380.282+/-133.177 χ²/NDF:83.3/45
All: -159.101+/-96.270 χ²/NDF: 133.7/85

asym_sam_1548_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 651.682+/-0.183 χ^2/NDF: 2074756.7/16

Left Out: 698.236+/-0.113 χ^2/NDF:714685.1/24

Right Out: 633.909+/-0.169 χ^2/NDF: 3431786.5/20

Left In: 700.079+/-0.117 χ^2/NDF:584314.1/22

Left: 699.130+/-0.081 χ^2/NDF: 1299127.2/47

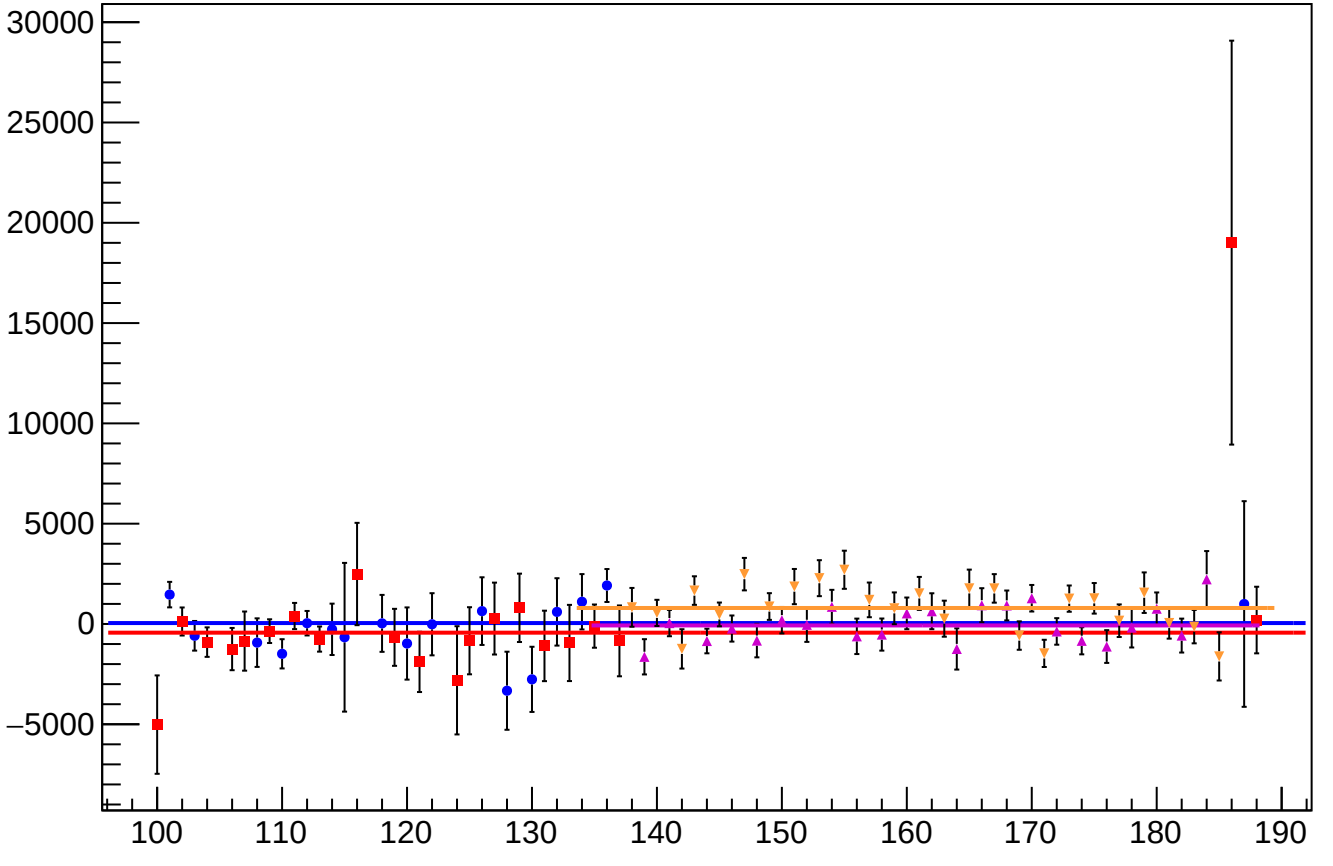
Right: 642.069+/-0.124 χ^2/NDF: 5511635.2/37

In: 686.081+/-0.099 χ^2/NDF:2708681.7/39

Out: 678.208+/-0.094 χ^2/NDF:4246520.3/45

All: 681.967+/-0.068 χ^2/NDF: 6958539.1/85

asym_sam_1548_avg_mean vs Slug, Sign Corrected



Right In: 45.592+/-259.463 χ^2/NDF: 23.3/16

Left Out: 796.905+/-158.142 χ^2/NDF:46.4/24

Right Out: -433.681+/-238.547 χ^2/NDF: 15.1/20

Left In: -73.501+/-162.879 χ^2/NDF:24.9/22

Left: 374.544+/-113.461 χ^2/NDF: 86.0/47

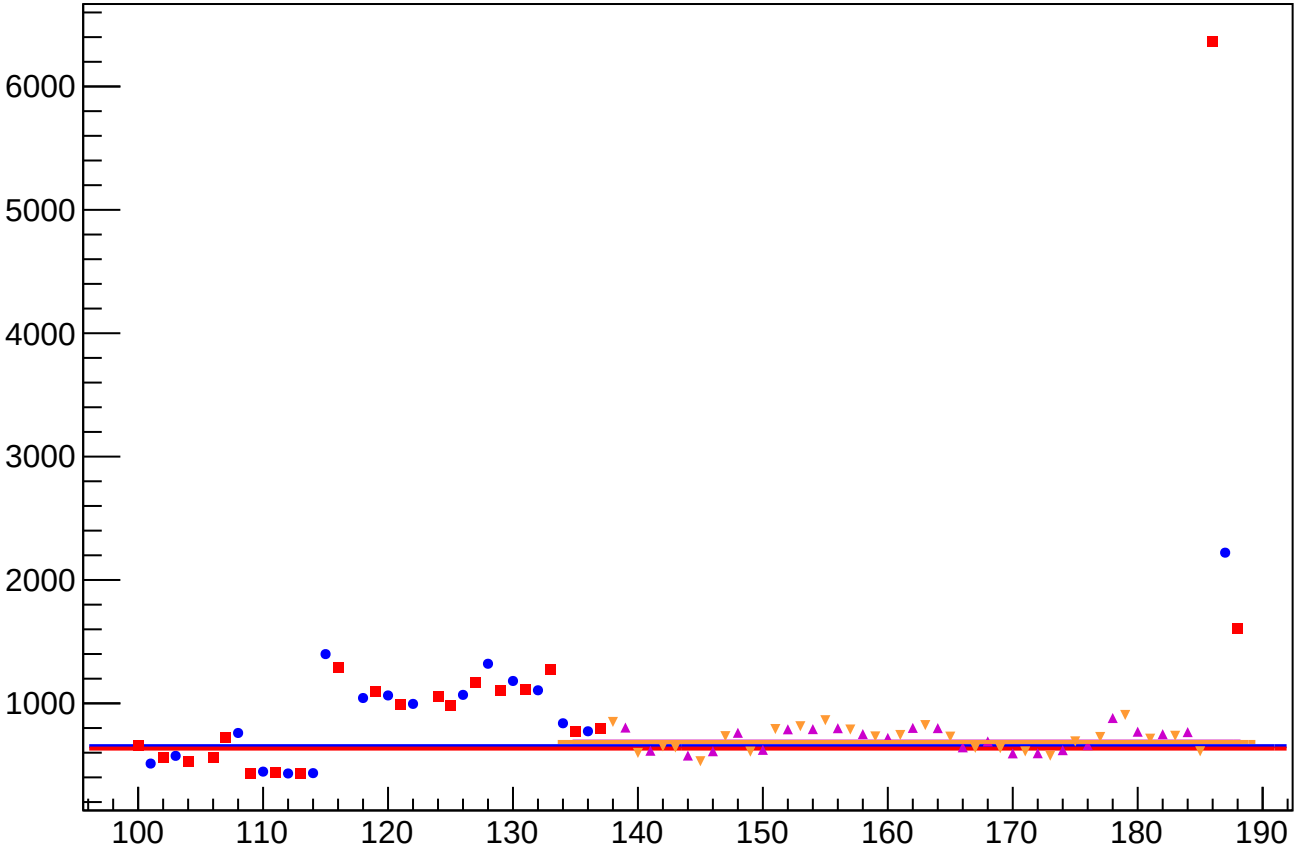
Right: -214.138+/-175.608 χ^2/NDF: 40.2/37

In: -39.836+/-137.950 χ^2/NDF:48.3/39

Out: 421.198+/-131.808 χ^2/NDF:80.0/45

All: 201.173+/-95.300 χ^2/NDF: 134.1/85

asym_sam_1548_avg_rms vs Slug, Sign Corrected



Right In: 653.119+/-0.183 χ^2/NDF: 2033502.9/16

Left Out: 687.243+/-0.112 χ^2/NDF:727994.0/24

Right Out: 633.325+/-0.169 χ^2/NDF: 3397950.4/20

Left In: 689.997+/-0.115 χ^2/NDF:567089.0/22

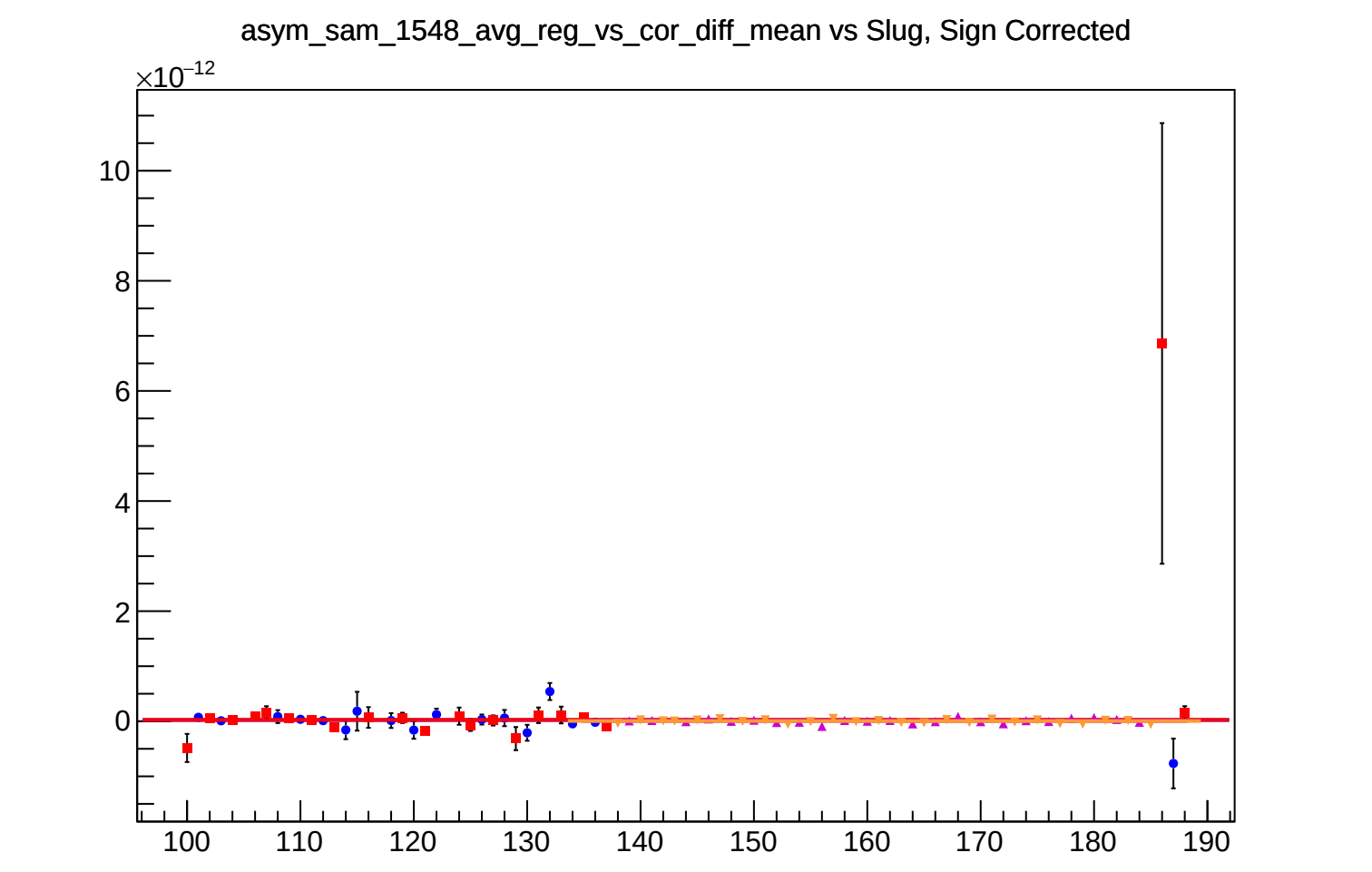
Left: 688.579+/-0.080 χ^2/NDF: 1295377.3/47

Right: 642.392+/-0.124 χ^2/NDF: 5437761.5/37

In: 679.572+/-0.098 χ^2/NDF:2629573.3/39

Out: 670.781+/-0.093 χ^2/NDF:4196925.8/45

All: 674.977+/-0.067 χ^2/NDF: 6830744.9/85



Right In: 0.000+/-0.000 χ^2/NDF: 26.7/16

Left Out: 0.000+/-0.000 χ^2/NDF:22.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 29.9/20

Left In: 0.000+/-0.000 χ^2/NDF:26.4/22

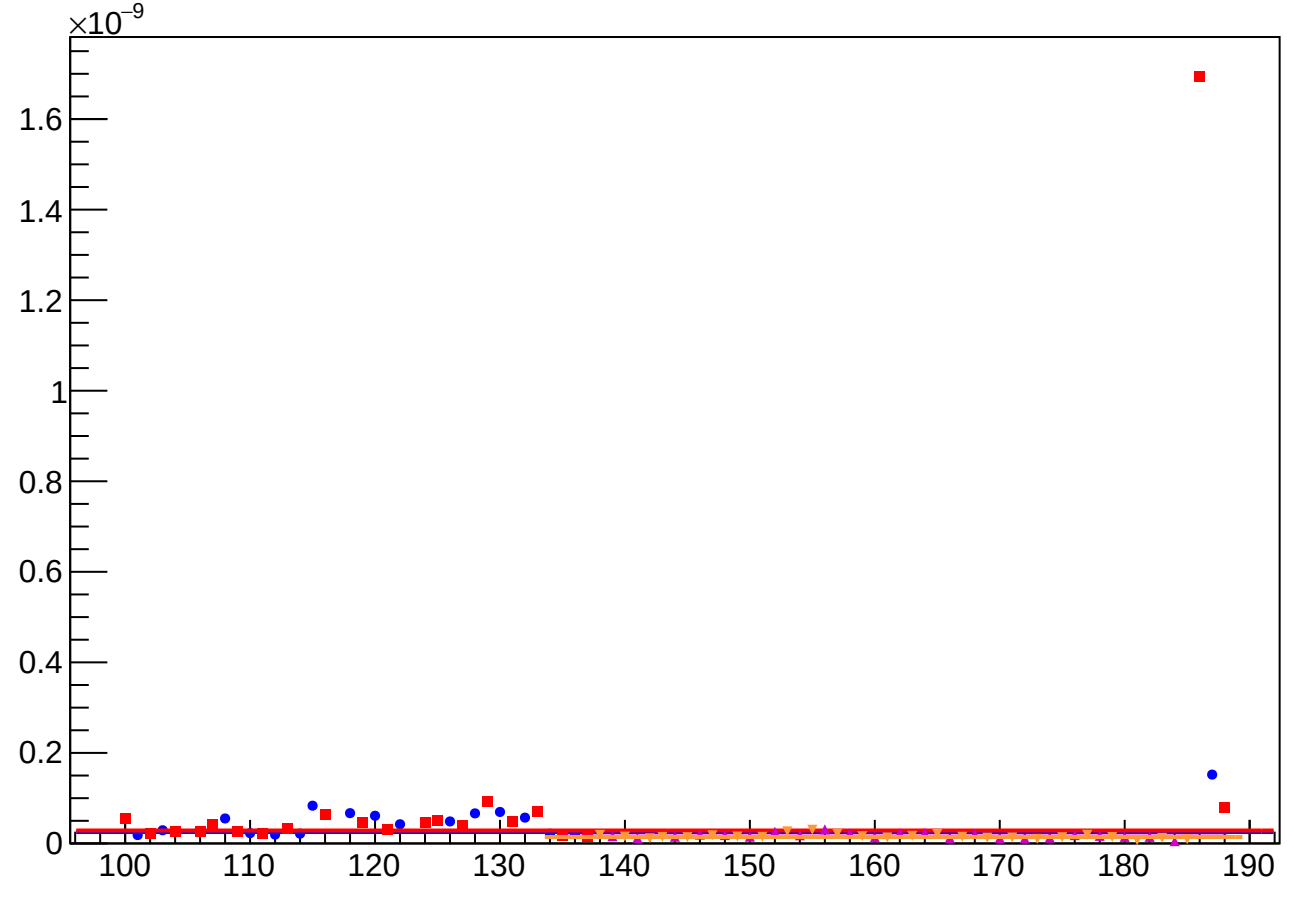
Left: 0.000+/-0.000 χ^2/NDF: 48.4/47

Right: 0.000+/-0.000 χ^2/NDF: 56.6/37

In: 0.000+/-0.000 χ^2/NDF:54.2/39

Out: 0.000+/-0.000 χ^2/NDF:53.3/45

All: 0.000+/-0.000 χ^2/NDF: 107.5/85



Right In: 0.000+/-0.000 χ^2/NDF: 1469593.9/16

Left Out: 0.000+/-0.000 χ^2/NDF:992947.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 1722771.7/20

Left In: 0.000+/-0.000 χ^2/NDF:1107168.2/22

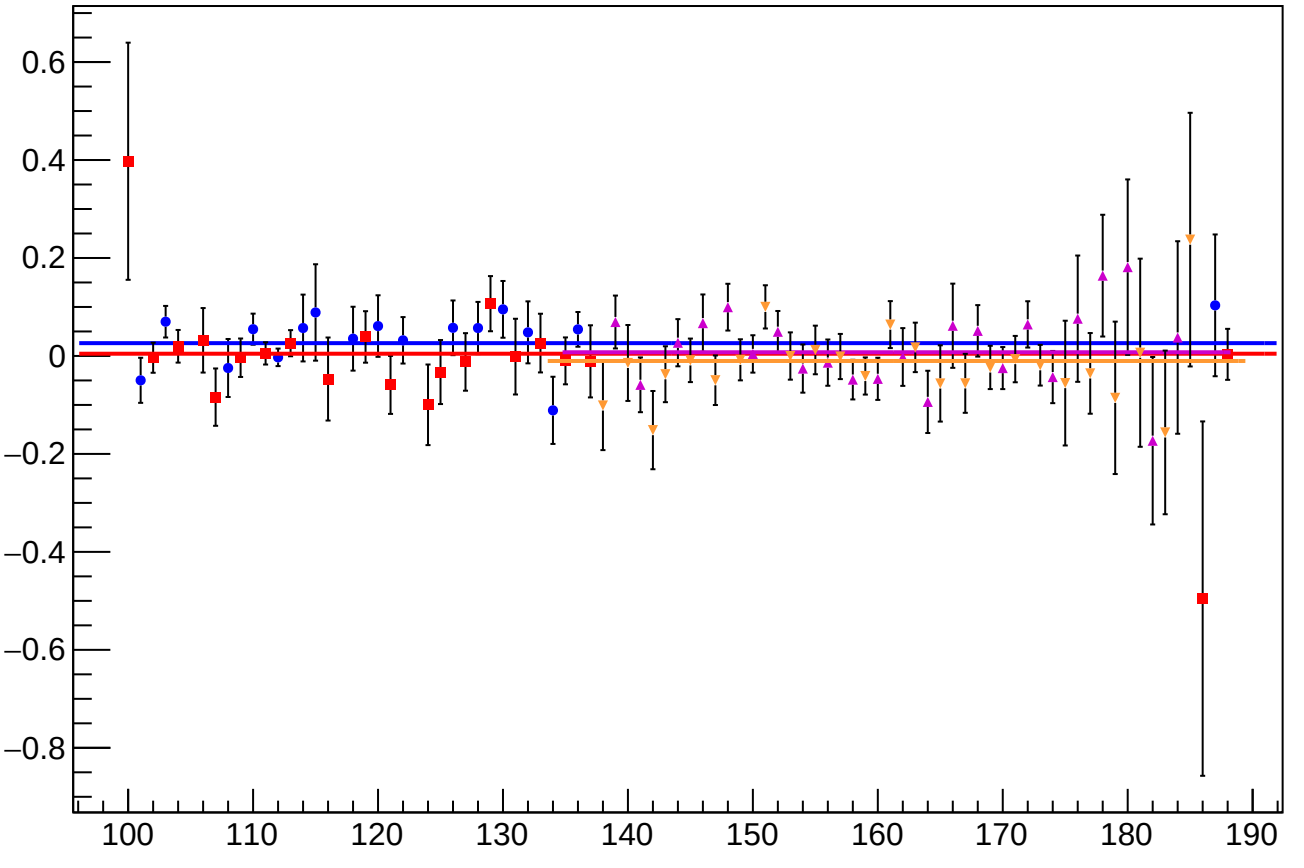
Left: 0.000+/-0.000 χ^2/NDF: 2124302.0/47

Right: 0.000+/-0.000 χ^2/NDF: 3235713.3/37

In: 0.000+/-0.000 χ^2/NDF:3348971.4/39

Out: 0.000+/-0.000 χ^2/NDF:4116013.7/45

All: 0.000+/-0.000 χ^2/NDF: 7484090.4/85



Right In: 0.026+/-0.010 χ^2/NDF: 16.8/16

Left Out: -0.010+/-0.011 χ^2/NDF:18.1/24

Right Out: 0.005+/-0.010 χ^2/NDF: 15.5/20

Left In: 0.008+/-0.011 χ^2/NDF:23.3/22

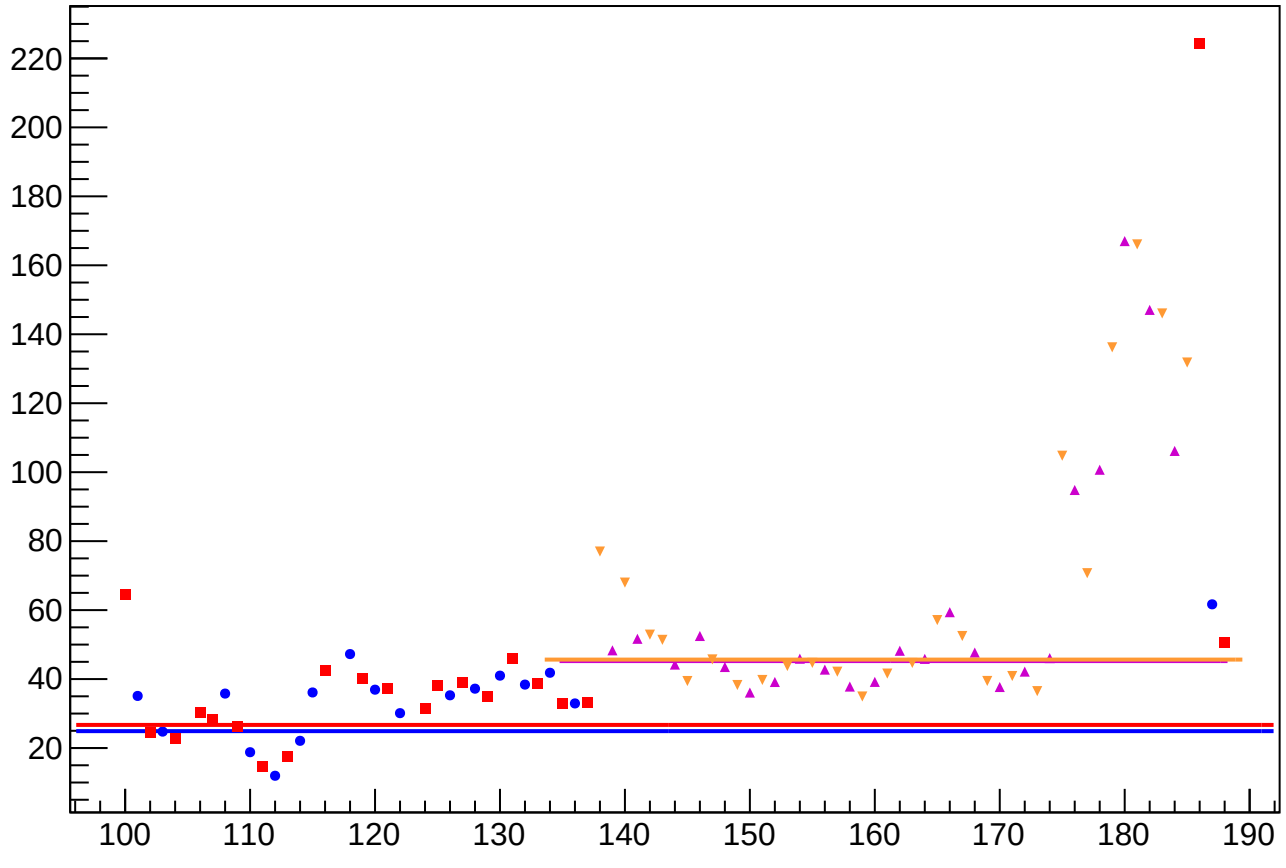
Left: -0.001+/-0.008 χ^2/NDF: 42.6/47

Right: 0.015+/-0.007 χ^2/NDF: 34.5/37

In: 0.018+/-0.008 χ^2/NDF:41.5/39

Out: -0.002+/-0.008 χ^2/NDF:34.5/45

All: 0.008+/-0.005 χ^2/NDF: 79.5/85



Right In: 24.901+/-0.007 χ^2/NDF: 2424989.0/16

Left Out: 45.650+/-0.008 χ^2/NDF:4015230.2/24

Right Out: 26.706+/-0.007 χ^2/NDF: 2649108.7/20

Left In: 45.217+/-0.008 χ^2/NDF:2992534.4/22

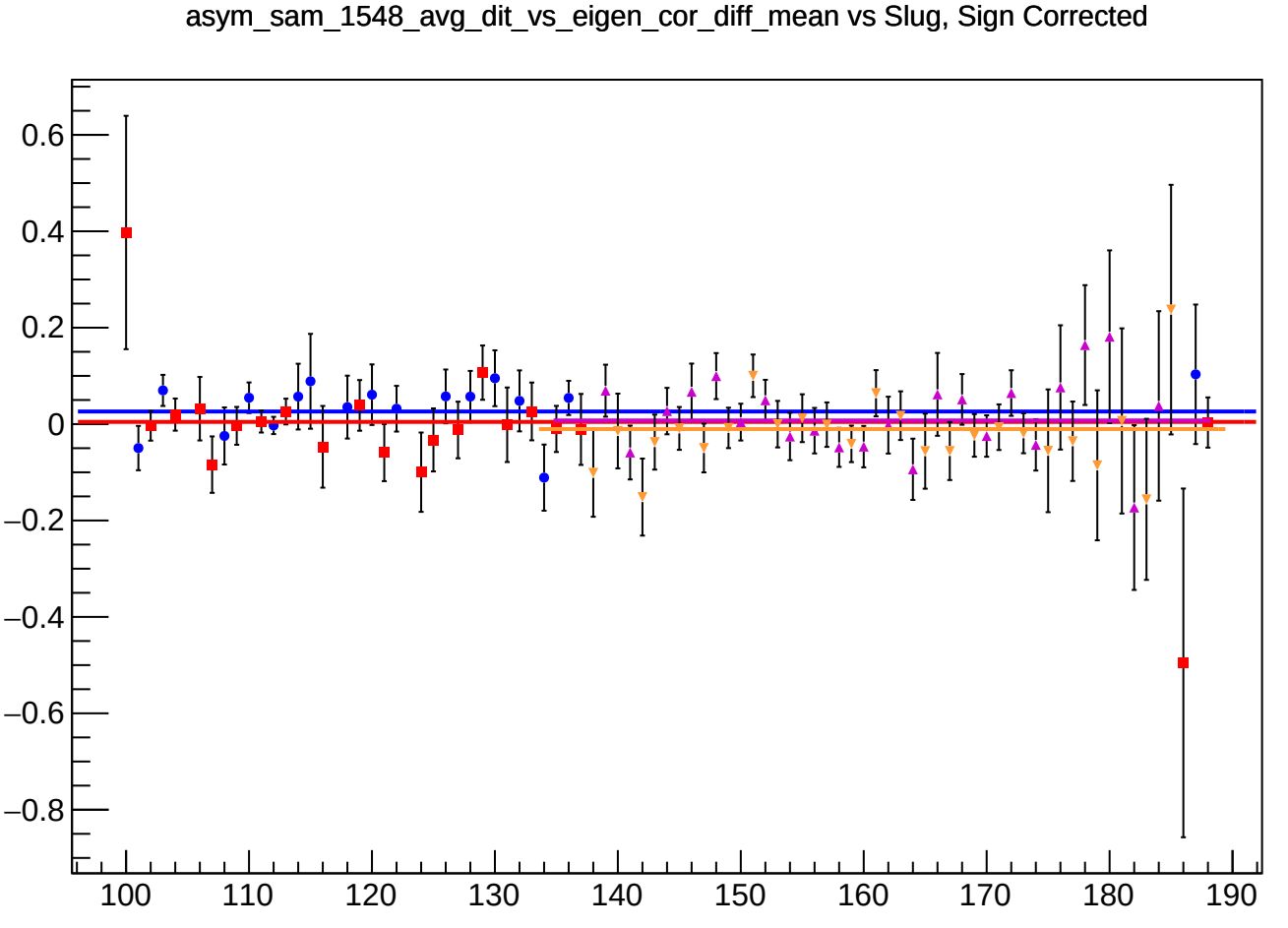
Left: 45.436+/-0.006 χ^2/NDF: 7009219.9/47

Right: 25.820+/-0.005 χ^2/NDF: 5105200.0/37

In: 34.047+/-0.005 χ^2/NDF:8900179.6/39

Out: 35.182+/-0.005 χ^2/NDF:9784181.9/45

All: 34.623+/-0.004 χ^2/NDF: 18706654.9/85



Right In: 0.026+/-0.010 χ^2/NDF: 16.8/16

Left Out: -0.010+/-0.011 χ^2/NDF:18.1/24

Right Out: 0.005+/-0.010 χ^2/NDF: 15.5/20

Left In: 0.008+/-0.011 χ^2/NDF:23.3/22

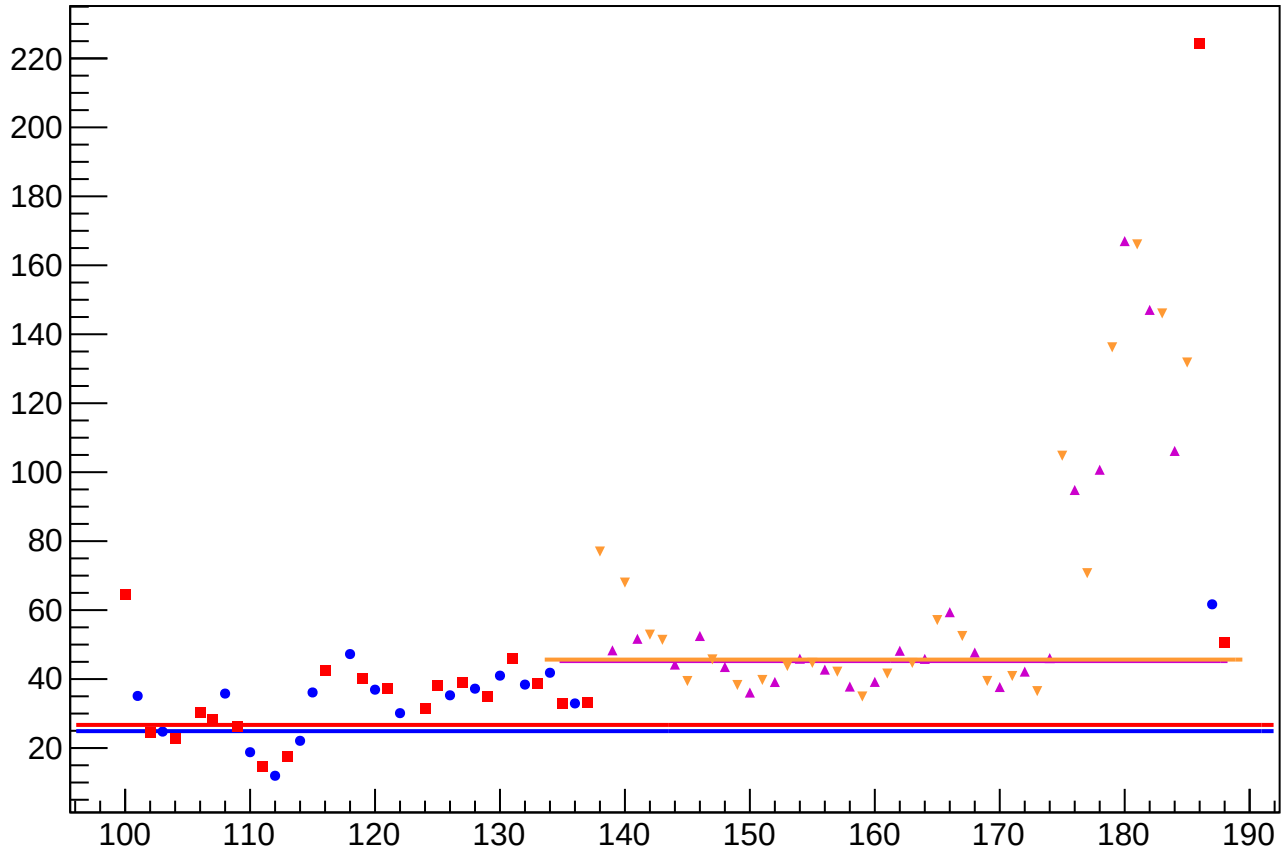
Left: -0.001+/-0.008 χ^2/NDF: 42.6/47

Right: 0.015+/-0.007 χ^2/NDF: 34.5/37

In: 0.018+/-0.008 χ^2/NDF:41.5/39

Out: -0.002+/-0.008 χ^2/NDF:34.5/45

All: 0.008+/-0.005 χ^2/NDF: 79.5/85



Right In: 24.901+/-0.007 χ^2/NDF: 2424989.0/16

Left Out: 45.650+/-0.008 χ^2/NDF:4015230.2/24

Right Out: 26.706+/-0.007 χ^2/NDF: 2649108.7/20

Left In: 45.217+/-0.008 χ^2/NDF:2992534.4/22

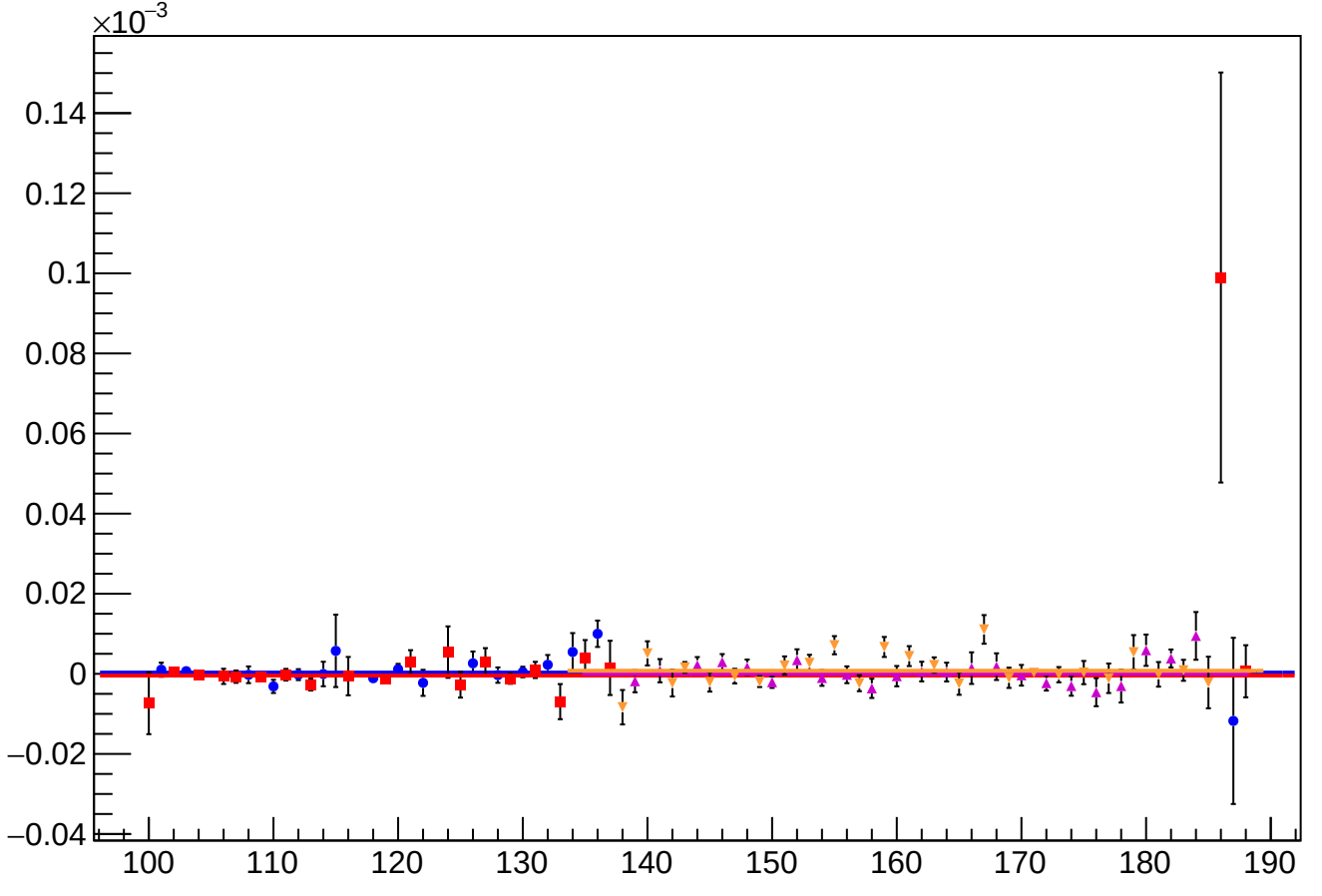
Left: 45.436+/-0.006 χ^2/NDF: 7009219.9/47

Right: 25.820+/-0.005 χ^2/NDF: 5105200.0/37

In: 34.047+/-0.005 χ^2/NDF:8900179.6/39

Out: 35.182+/-0.005 χ^2/NDF:9784181.9/45

All: 34.623+/-0.004 χ^2/NDF: 18706654.9/85



Right In: 0.000+/-0.000 χ^2/NDF: 19.6/16

Left Out: 0.000+/-0.000 χ^2/NDF:46.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 16.5/20

Left In: -0.000+/-0.000 χ^2/NDF:24.5/22

Left: 0.000+/-0.000 χ^2/NDF: 72.0/47

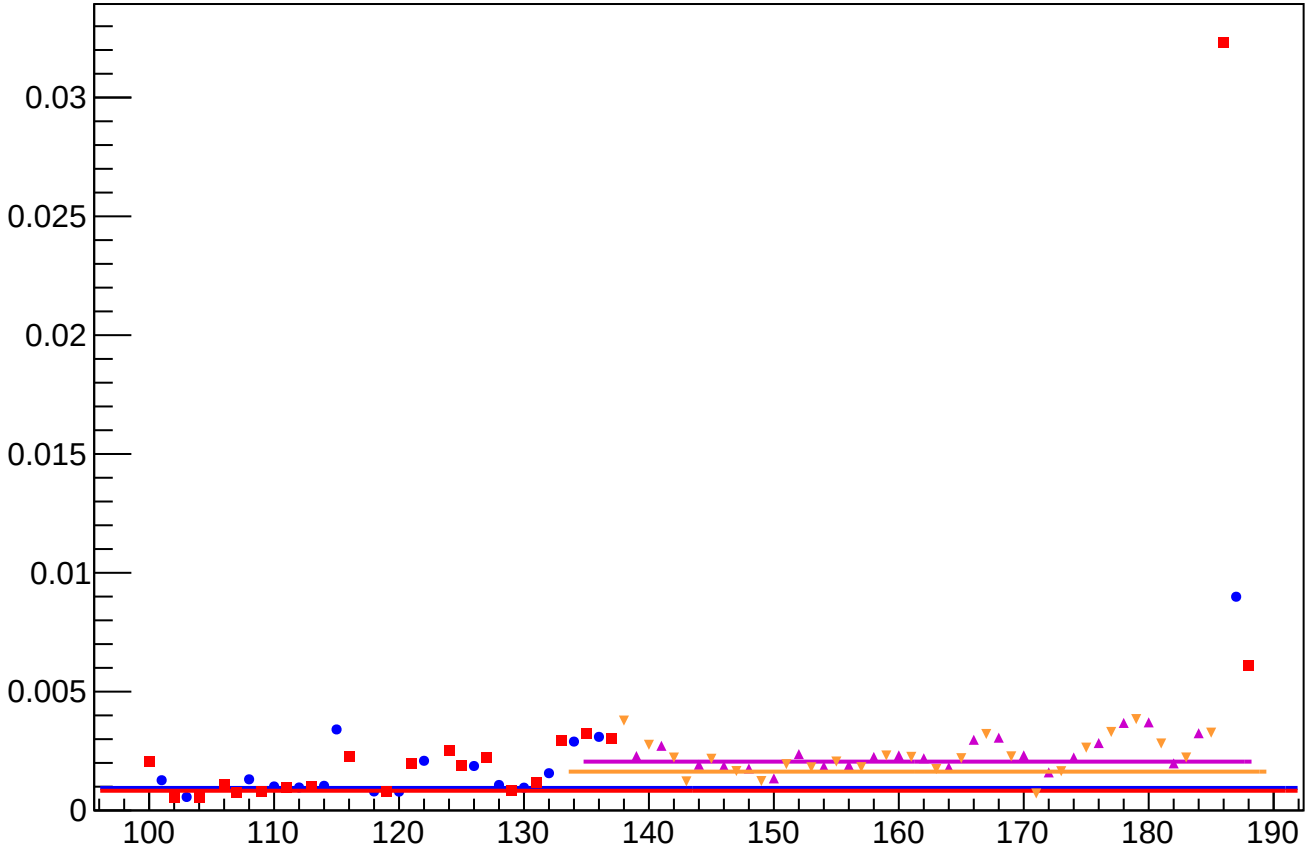
Right: -0.000+/-0.000 χ^2/NDF: 38.0/37

In: 0.000+/-0.000 χ^2/NDF:44.3/39

Out: 0.000+/-0.000 χ^2/NDF:67.6/45

All: 0.000+/-0.000 χ^2/NDF: 112.0/85

asym_sam_1548_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 2966743.6/16

Left Out: 0.002+/-0.000 χ^2/NDF:6495366.7/24

Right Out: 0.001+/-0.000 χ^2/NDF: 5313028.7/20

Left In: 0.002+/-0.000 χ^2/NDF:2093048.8/22

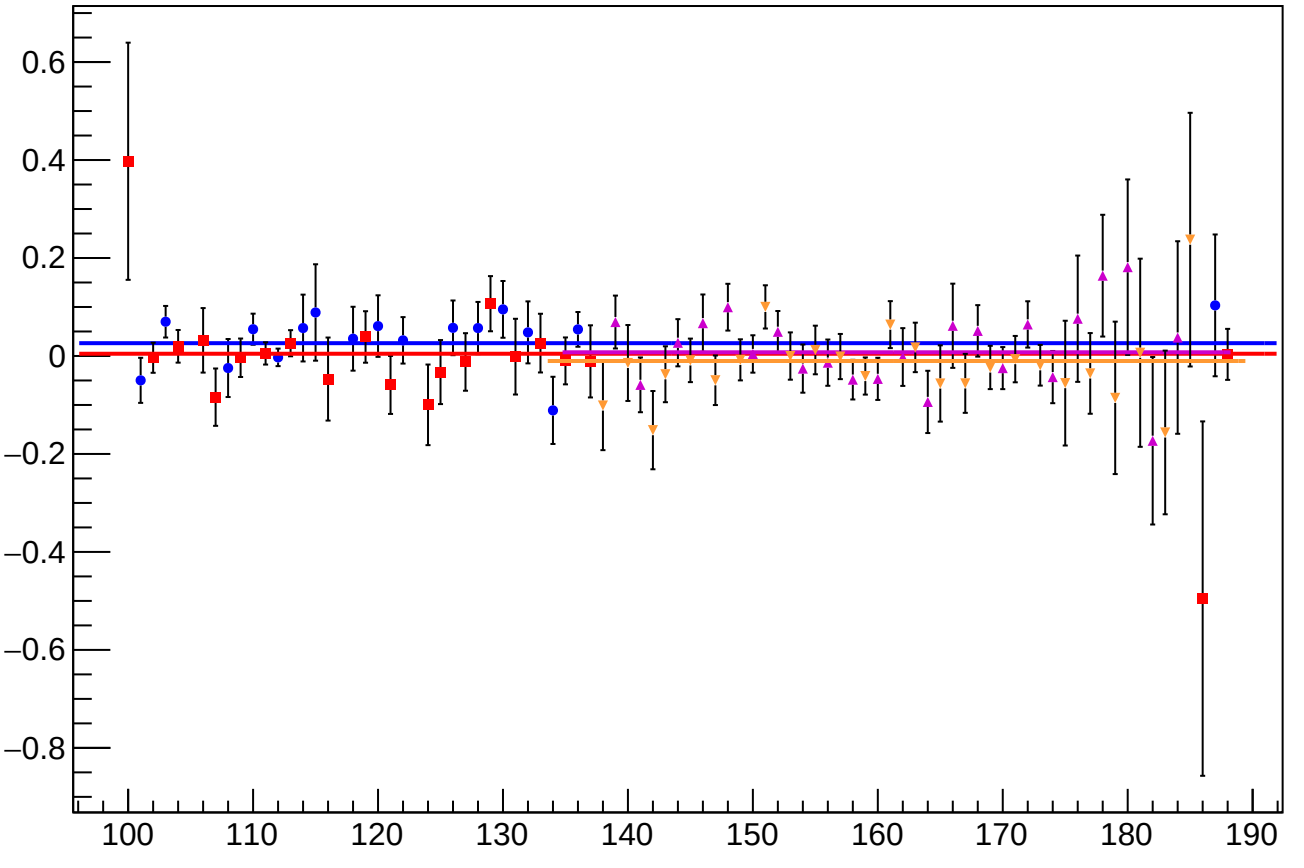
Left: 0.002+/-0.000 χ^2/NDF: 9430299.1/47

Right: 0.001+/-0.000 χ^2/NDF: 8380234.3/37

In: 0.001+/-0.000 χ^2/NDF:11014128.7/39

Out: 0.001+/-0.000 χ^2/NDF:16346462.6/45

All: 0.001+/-0.000 χ^2/NDF: 27957790.0/85



Right In: 0.026+/-0.010 χ^2/NDF: 16.8/16

Left Out: -0.010+/-0.011 χ^2/NDF:18.1/24

Right Out: 0.005+/-0.010 χ^2/NDF: 15.5/20

Left In: 0.008+/-0.011 χ^2/NDF:23.3/22

Left: -0.001+/-0.008 χ^2/NDF: 42.6/47

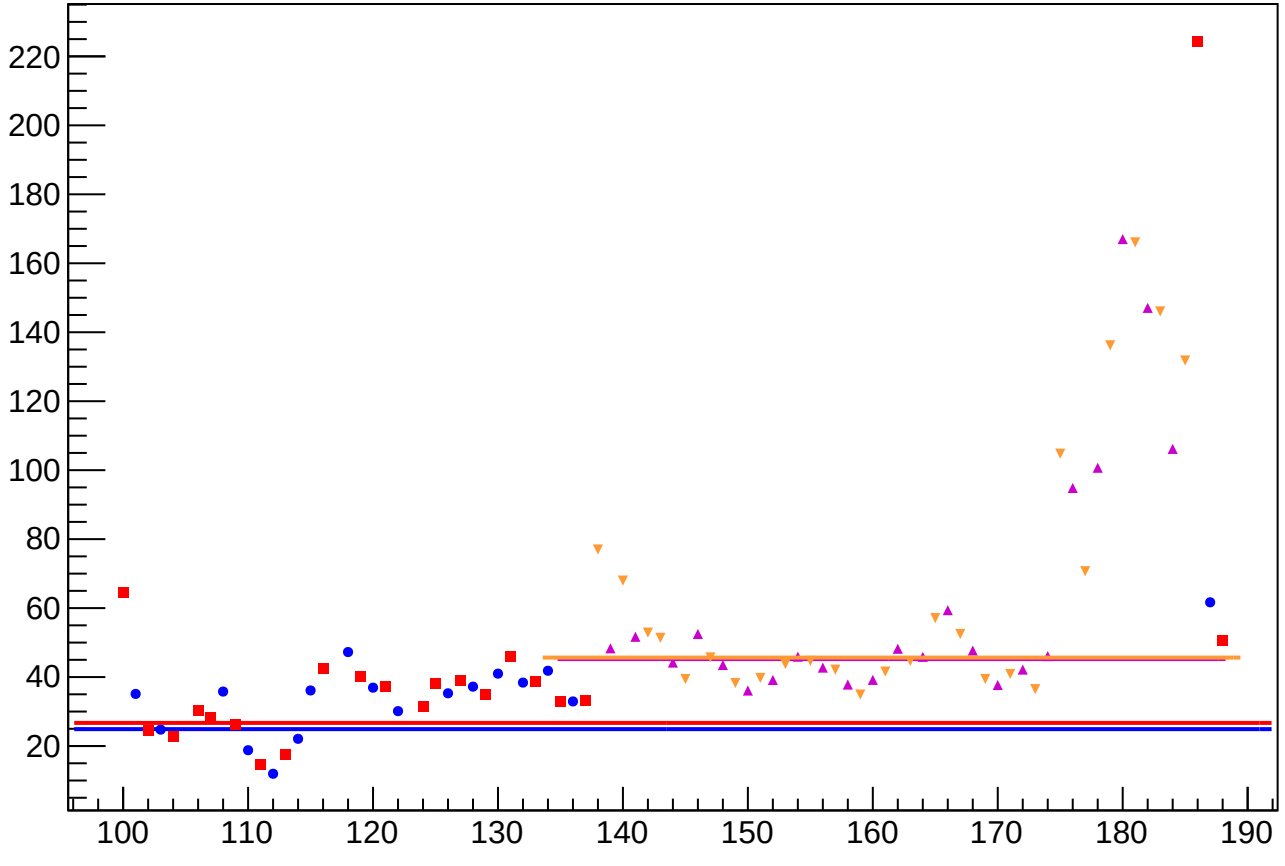
Right: 0.015+/-0.007 χ^2/NDF: 34.5/37

In: 0.018+/-0.008 χ^2/NDF:41.5/39

Out: -0.002+/-0.008 χ^2/NDF:34.5/45

All: 0.008+/-0.005 χ^2/NDF: 79.5/85

asym_sam_1548_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 24.900+/-0.007 χ^2/NDF: 2425171.2/16

Left Out: 45.651+/-0.008 χ^2/NDF:4015154.4/24

Right Out: 26.706+/-0.007 χ^2/NDF: 2649264.4/20

Left In: 45.218+/-0.008 χ^2/NDF:2992449.1/22

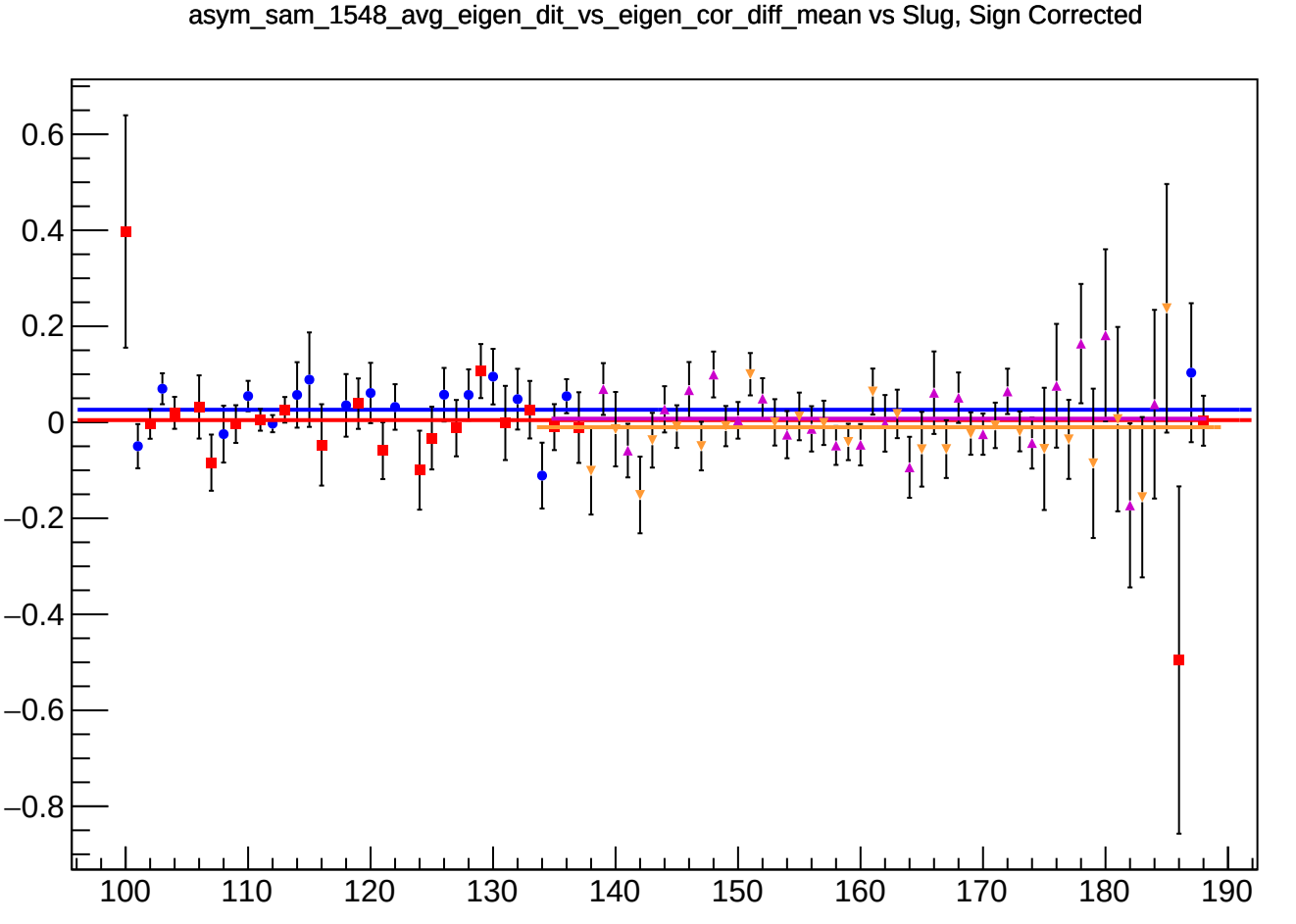
Left: 45.437+/-0.006 χ^2/NDF: 7009058.4/47

Right: 25.819+/-0.005 χ^2/NDF: 5105543.9/37

In: 34.047+/-0.005 χ^2/NDF:8900633.4/39

Out: 35.182+/-0.005 χ^2/NDF:9784528.1/45

All: 34.623+/-0.004 χ^2/NDF: 18707460.1/85



Right In: 0.026+/-0.010 χ^2/NDF: 16.8/16

Left Out: -0.010+/-0.011 χ^2/NDF:18.1/24

Right Out: 0.005+/-0.010 χ^2/NDF: 15.5/20

Left In: 0.008+/-0.011 χ^2/NDF:23.3/22

Left: -0.001+/-0.008 χ^2/NDF: 42.6/47

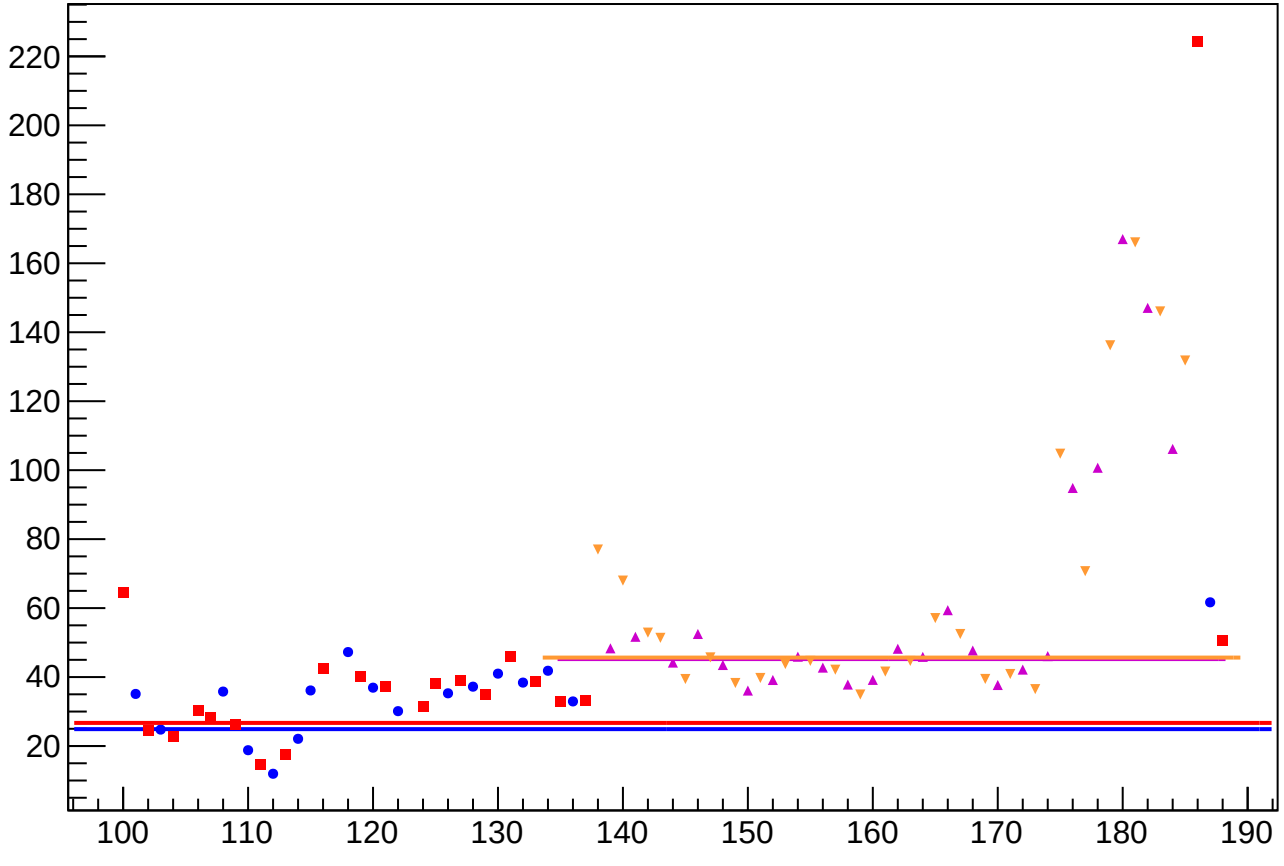
Right: 0.015+/-0.007 χ^2/NDF: 34.5/37

In: 0.018+/-0.008 χ^2/NDF:41.5/39

Out: -0.002+/-0.008 χ^2/NDF:34.5/45

All: 0.008+/-0.005 χ^2/NDF: 79.5/85

asym_sam_1548_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 24.900+/-0.007 χ^2/NDF: 2425171.2/16

Left Out: 45.651+/-0.008 χ^2/NDF:4015154.4/24

Right Out: 26.706+/-0.007 χ^2/NDF: 2649264.4/20

Left In: 45.218+/-0.008 χ^2/NDF:2992449.1/22

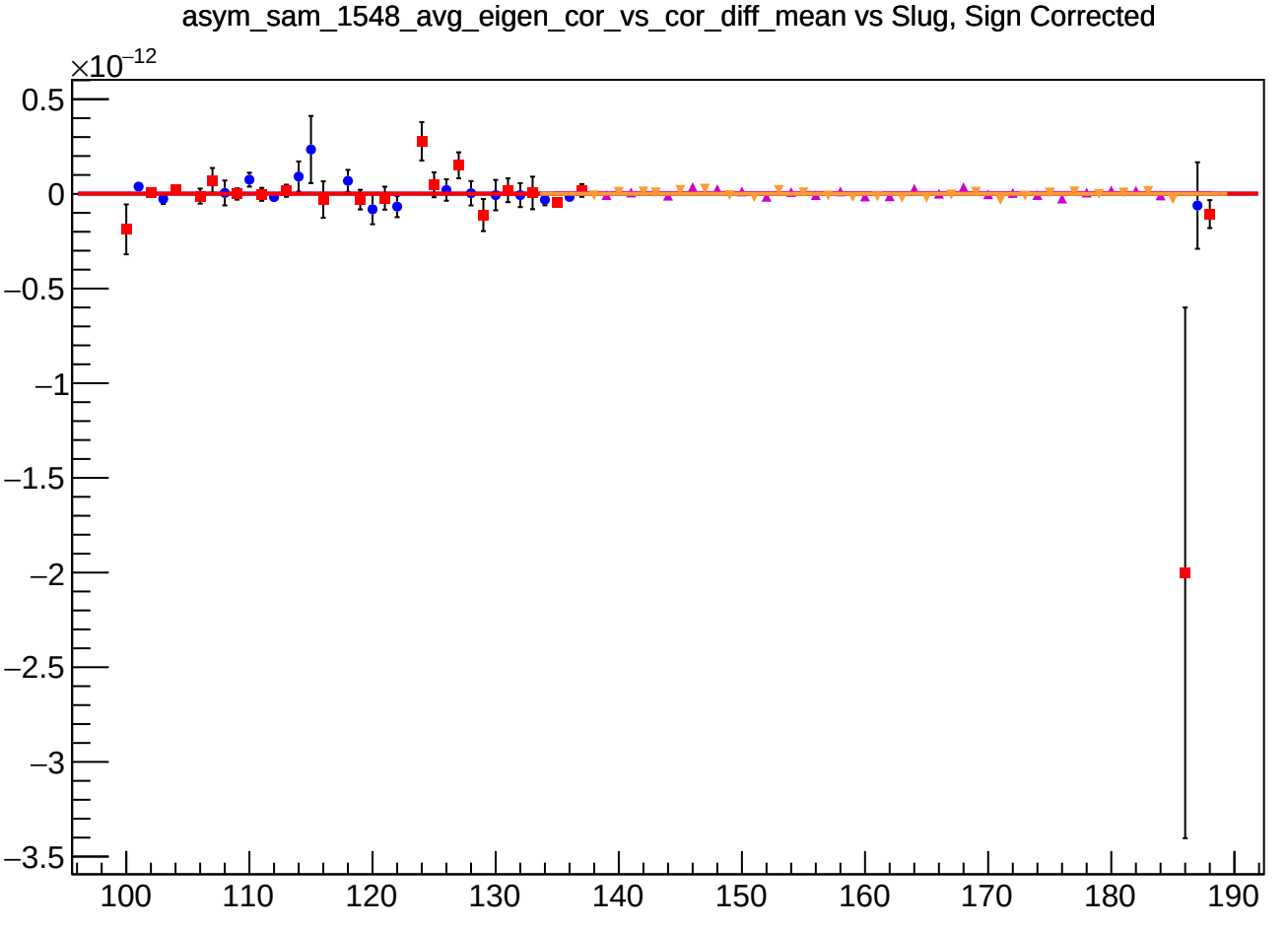
Left: 45.437+/-0.006 χ^2/NDF: 7009058.4/47

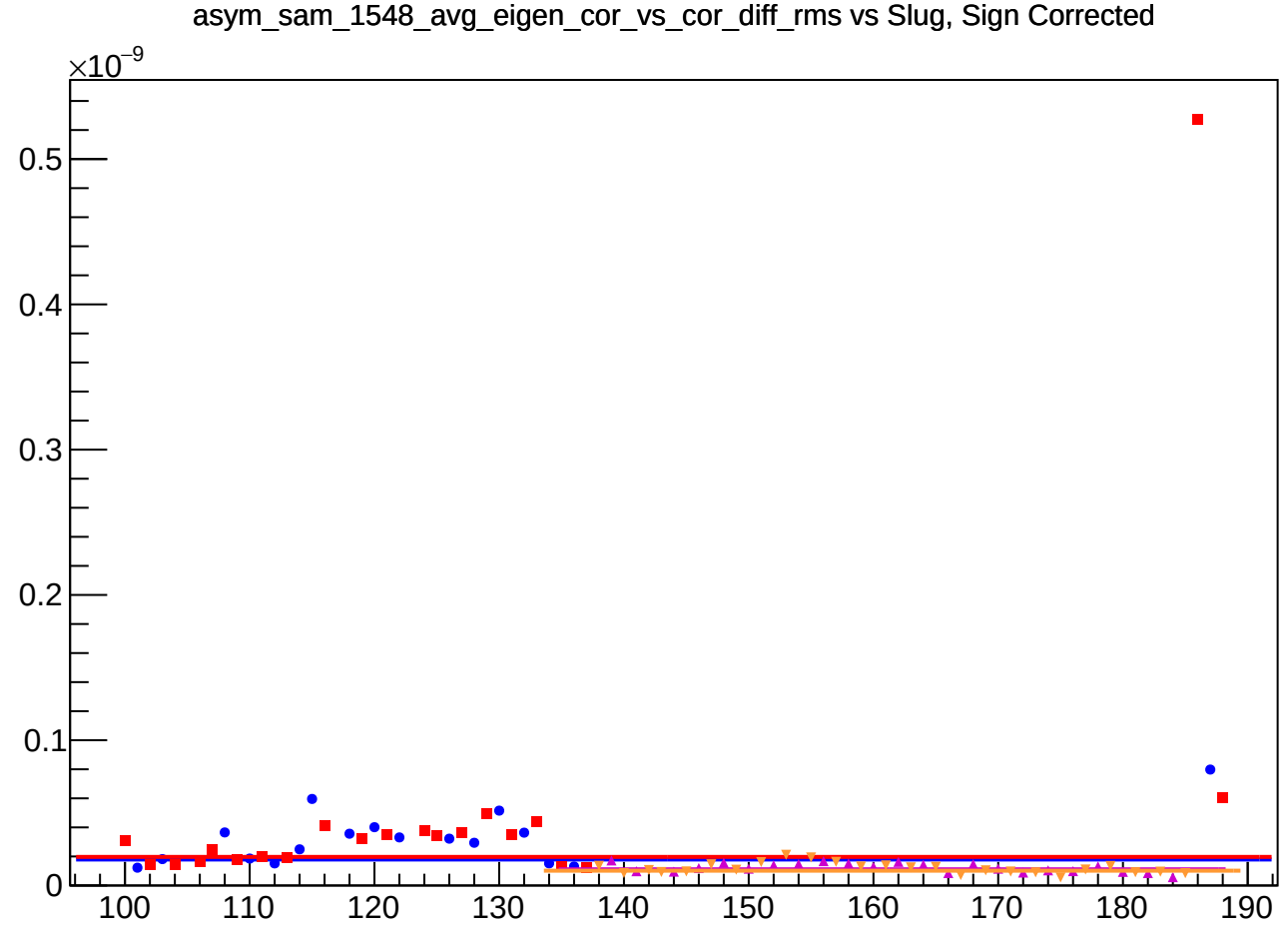
Right: 25.819+/-0.005 χ^2/NDF: 5105543.9/37

In: 34.047+/-0.005 χ^2/NDF:8900633.4/39

Out: 35.182+/-0.005 χ^2/NDF:9784528.1/45

All: 34.623+/-0.004 χ^2/NDF: 18707460.1/85


asym_sam_1548_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.5
0
−0.5
−1
−1.5
−2
−2.5
−3
−3.5
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 18.8/16
Left Out: 0.000+/-0.000 χ²/NDF:25.4/24
Right Out: 0.000+/-0.000 χ²/NDF: 27.7/20
Left In: 0.000+/-0.000 χ²/NDF:23.7/22
Left: 0.000+/-0.000 χ²/NDF: 49.9/47
Right: 0.000+/-0.000 χ²/NDF: 46.5/37
In: 0.000+/-0.000 χ²/NDF:42.6/39
Out: 0.000+/-0.000 χ²/NDF:53.1/45
All: 0.000+/-0.000 χ²/NDF: 96.5/85



Right In: 0.000+/-0.000 χ^2/NDF: 2016953.7/16

Left Out: 0.000+/-0.000 χ^2/NDF:2257651.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2505027.3/20

Left In: 0.000+/-0.000 χ^2/NDF:1536588.2/22

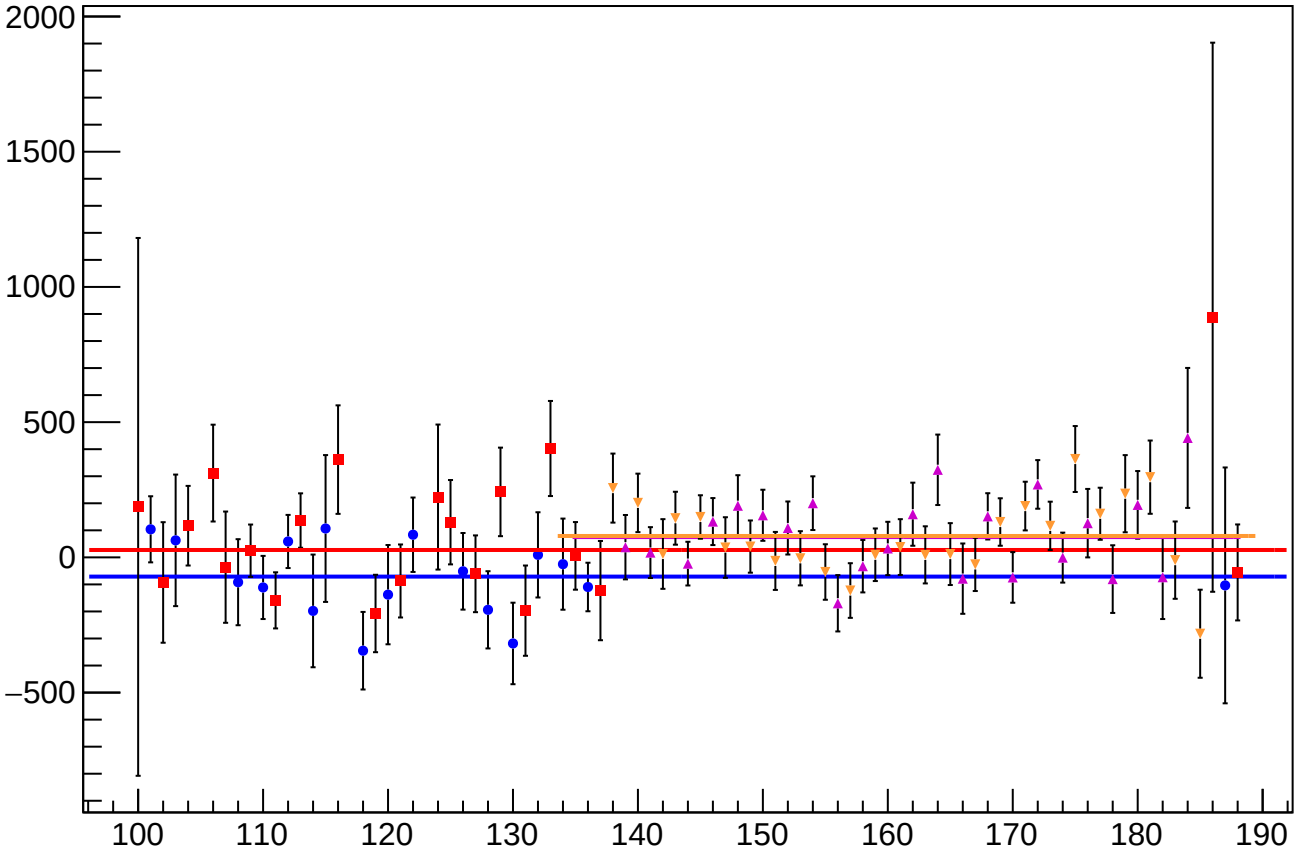
Left: 0.000+/-0.000 χ^2/NDF: 3895034.6/47

Right: 0.000+/-0.000 χ^2/NDF: 4562310.5/37

In: 0.000+/-0.000 χ^2/NDF:4619774.4/39

Out: 0.000+/-0.000 χ^2/NDF:6745405.4/45

All: 0.000+/-0.000 χ^2/NDF: 11457112.3/85



Right In: -71.103+/-35.009 χ^2/NDF: 14.1/16

Left Out: 79.098+/-21.102 χ^2/NDF:32.0/24

Right Out: 27.298+/-33.604 χ^2/NDF: 25.0/20

Left In: 75.048+/-21.837 χ^2/NDF:32.6/22

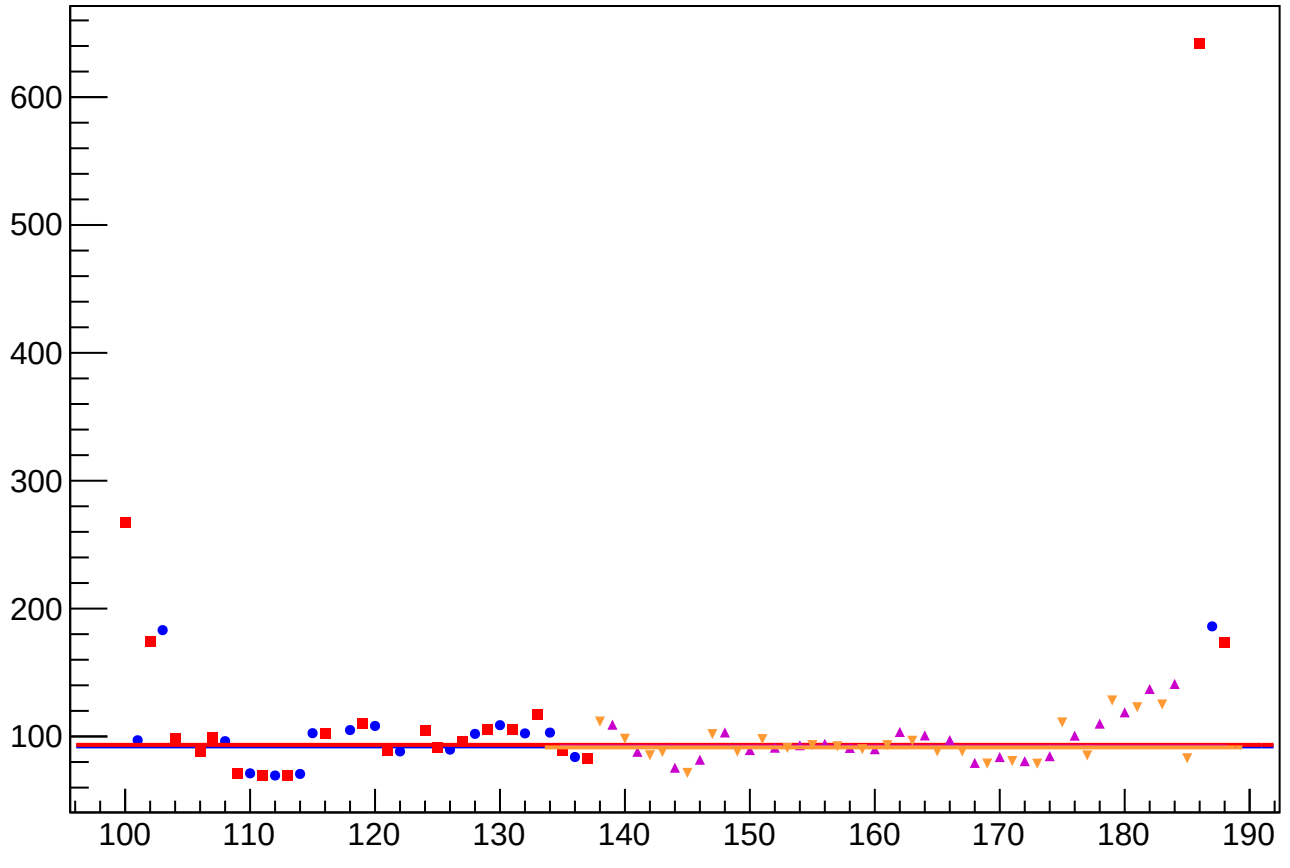
Left: 77.142+/-15.175 χ^2/NDF: 64.6/47

Right: -19.889+/-24.243 χ^2/NDF: 43.1/37

In: 34.112+/-18.528 χ^2/NDF:59.2/39

Out: 64.448+/-17.871 χ^2/NDF:58.6/45

All: 49.828+/-12.863 χ^2/NDF: 119.3/85



Right In: 92.217+/-0.025 χ^2/NDF: 673972.3/16

Left Out: 91.462+/-0.015 χ^2/NDF:751213.9/24

Right Out: 93.447+/-0.024 χ^2/NDF: 1755584.1/20

Left In: 92.100+/-0.015 χ^2/NDF:699590.1/22

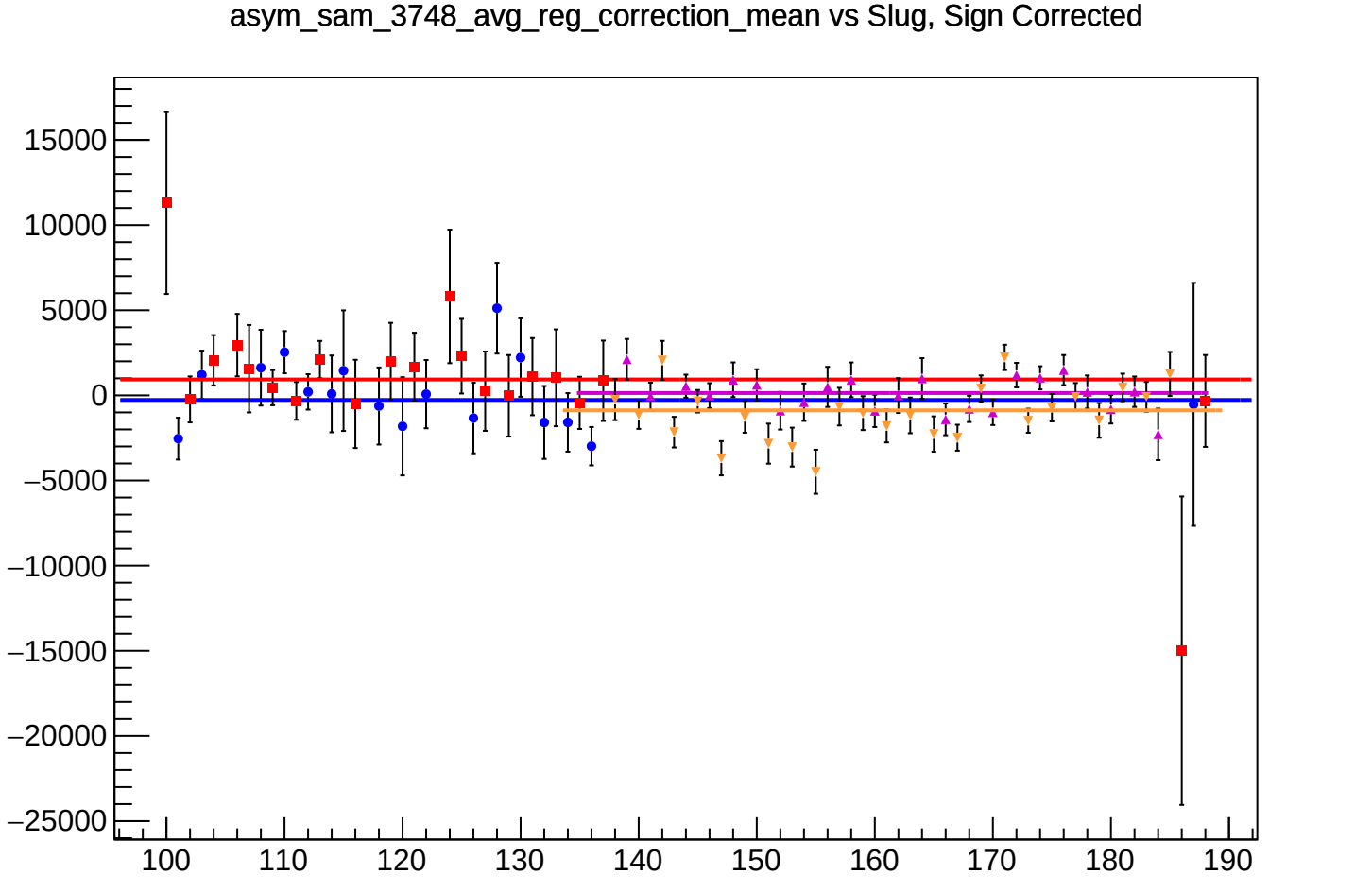
Left: 91.770+/-0.011 χ^2/NDF: 1451688.8/47

Right: 92.857+/-0.017 χ^2/NDF: 2430841.0/37

In: 92.133+/-0.013 χ^2/NDF:1373578.3/39

Out: 92.023+/-0.013 χ^2/NDF:2511803.7/45

All: 92.076+/-0.009 χ^2/NDF: 3885418.5/85



Right In: -269.382+/-418.854 χ^2/NDF: 23.4/16

Left Out: -878.463+/-182.188 χ^2/NDF:67.7/24

Right Out: 933.619+/-396.091 χ^2/NDF: 16.0/20

Left In: 138.728+/-186.573 χ^2/NDF:24.2/22

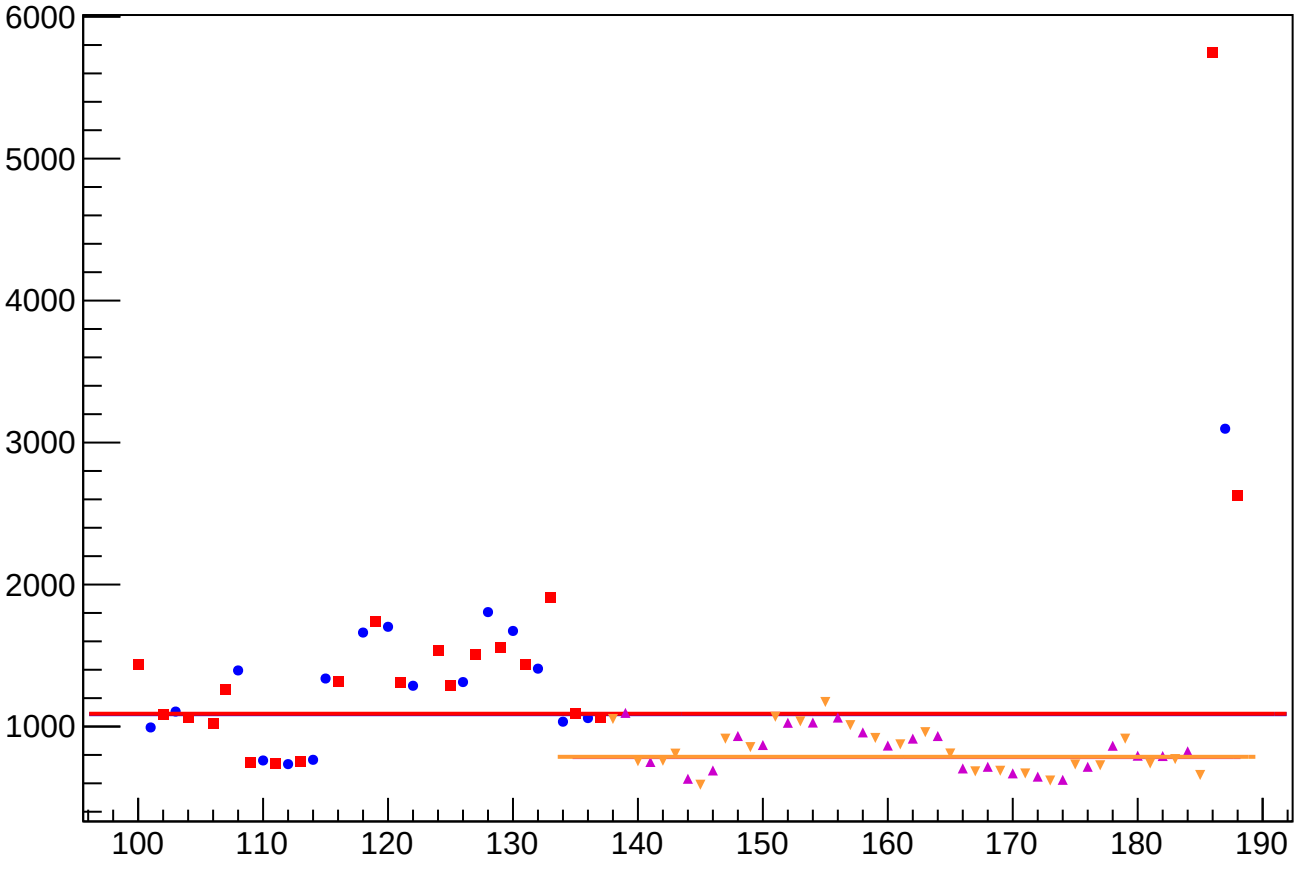
Left: -381.963+/-130.349 χ^2/NDF: 107.1/47

Right: 365.694+/-287.789 χ^2/NDF: 43.8/37

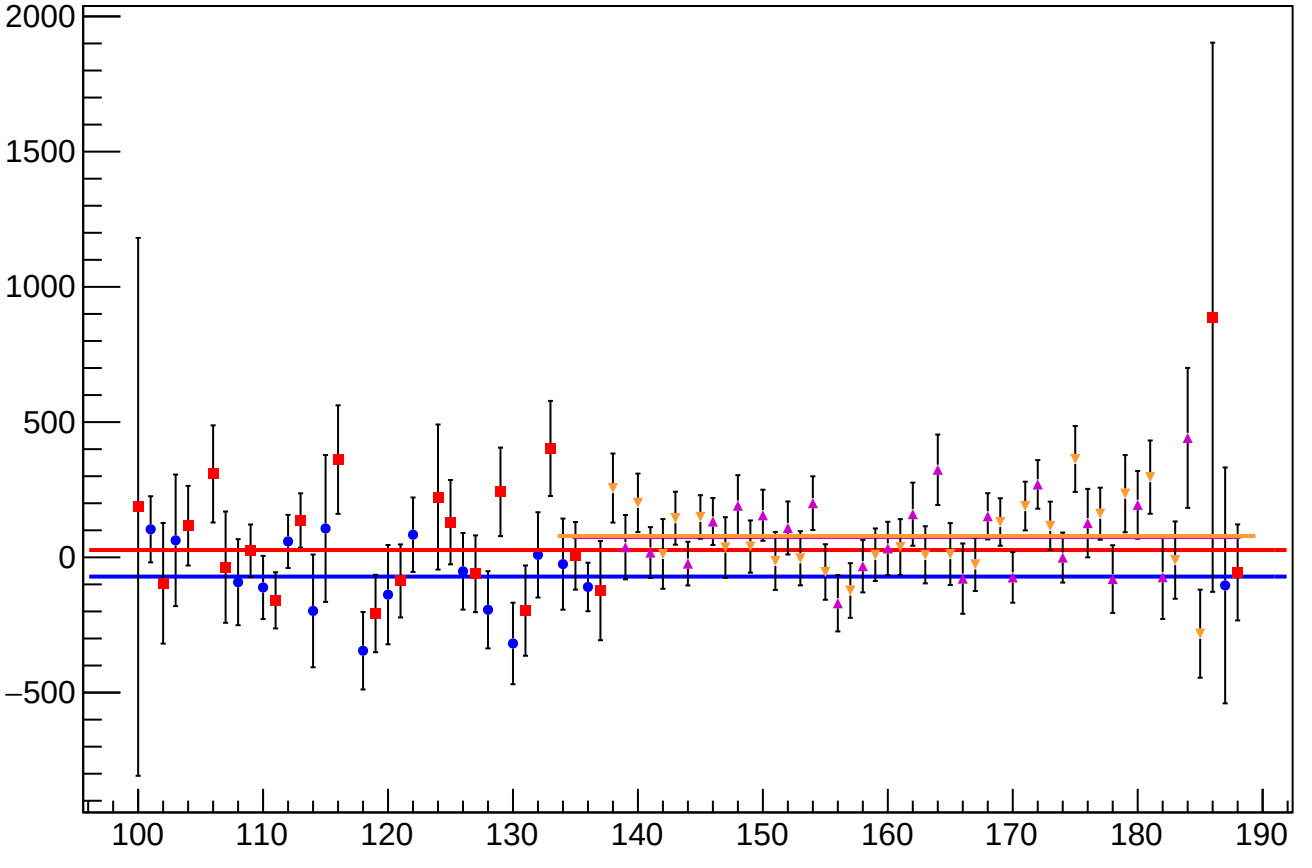
In: 71.159+/-170.430 χ^2/NDF:48.4/39

Out: -562.032+/-165.518 χ^2/NDF:101.0/45

All: -254.692+/-118.737 χ^2/NDF: 156.5/85


asym_sam_3748_avg_reg_correction_rms vs Slug, Sign Corrected
6000
5000
4000
3000
2000
1000
100
110
120
130
140
150
160
170
180
190
Right In: 1087.002+/-0.296 χ²/NDF: 1212927.8/16
Left Out: 786.758+/-0.129 χ²/NDF:1210893.0/24
Right Out: 1090.104+/-0.280 χ²/NDF: 2398869.0/20
Left In: 784.833+/-0.132 χ²/NDF:1063747.2/22
Left: 785.819+/-0.092 χ²/NDF: 2274749.2/47
Right: 1088.640+/-0.203 χ²/NDF: 3611854.7/37
In: 834.862+/-0.121 χ²/NDF:3145231.6/39
Out: 839.730+/-0.117 χ²/NDF:4577972.6/45
All: 837.367+/-0.084 χ²/NDF: 7724043.8/85

cor_asym_sam_3748_avg_mean vs Slug, Sign Corrected



Right In: -71.115+/-35.009 χ^2/NDF: 14.1/16

Left Out: 79.106+/-21.102 χ^2/NDF:32.0/24

Right Out: 27.055+/-33.608 χ^2/NDF: 24.9/20

Left In: 75.049+/-21.837 χ^2/NDF:32.6/22

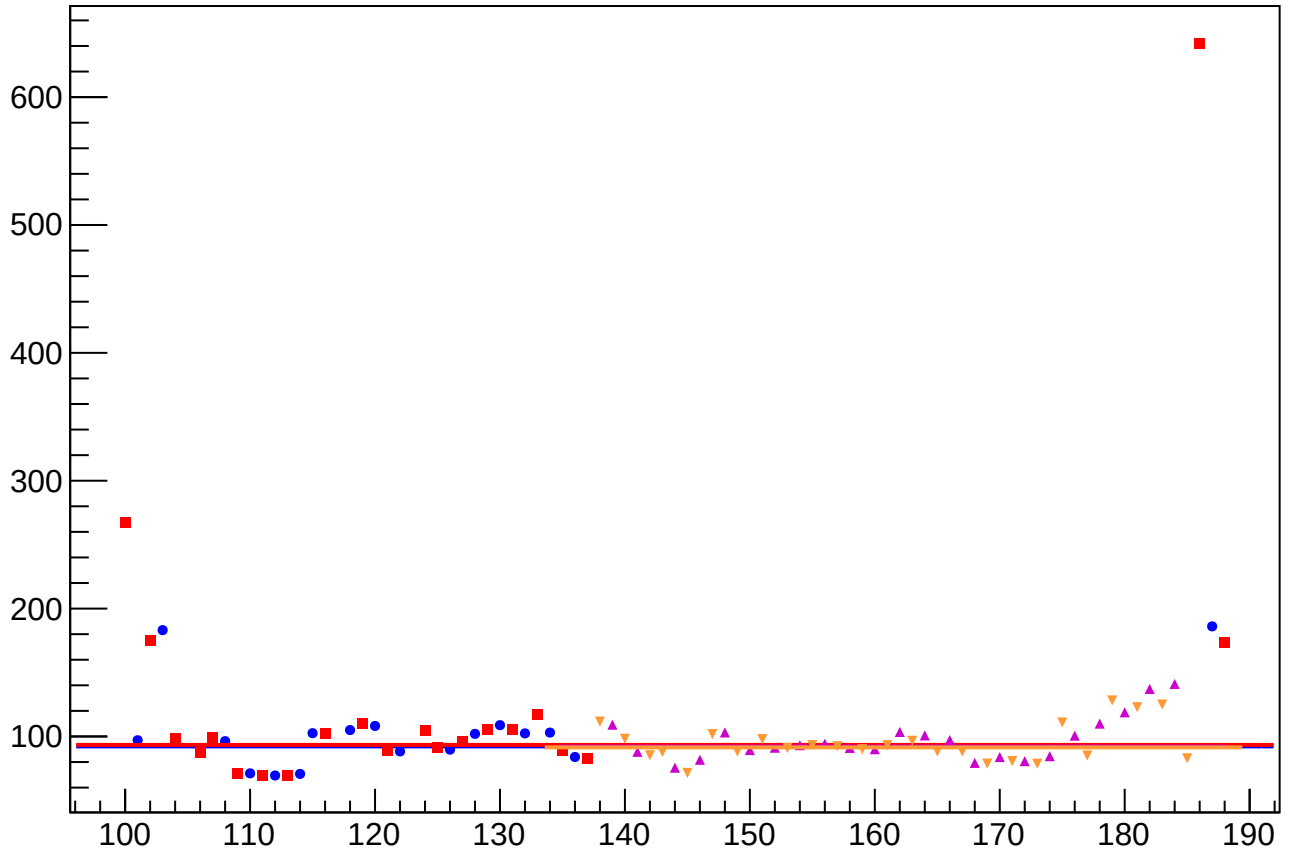
Left: 77.147+/-15.175 χ^2/NDF: 64.6/47

Right: -20.027+/-24.245 χ^2/NDF: 43.1/37

In: 34.109+/-18.528 χ^2/NDF:59.2/39

Out: 64.388+/-17.871 χ^2/NDF:58.6/45

All: 49.795+/-12.863 χ^2/NDF: 119.2/85



Right In: 92.217+/-0.025 χ^2/NDF: 673975.4/16

Left Out: 91.462+/-0.015 χ^2/NDF:751213.9/24

Right Out: 93.402+/-0.024 χ^2/NDF: 1756704.7/20

Left In: 92.100+/-0.015 χ^2/NDF:699590.1/22

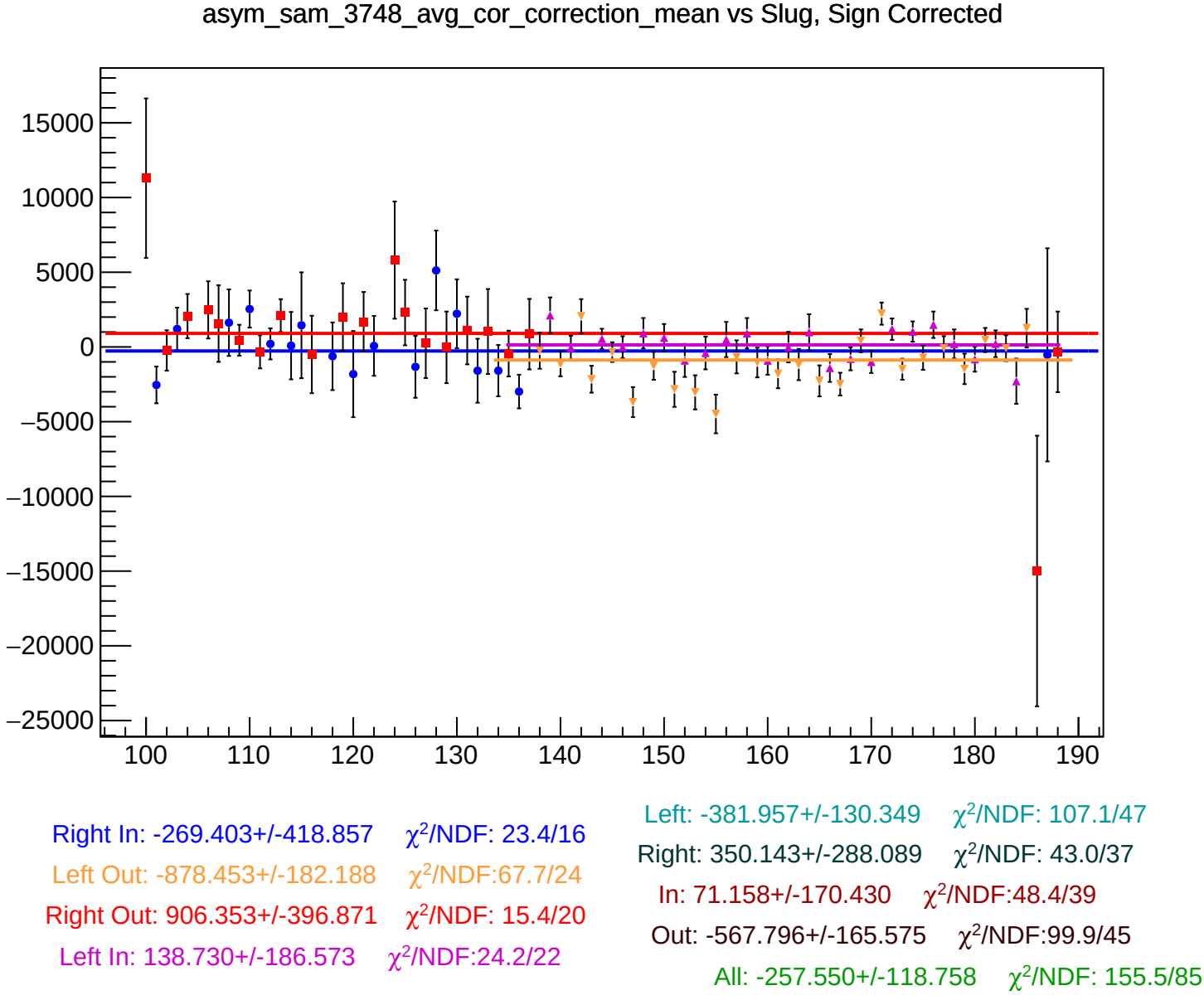
Left: 91.770+/-0.011 χ^2/NDF: 1451688.9/47

Right: 92.834+/-0.017 χ^2/NDF: 2431872.6/37

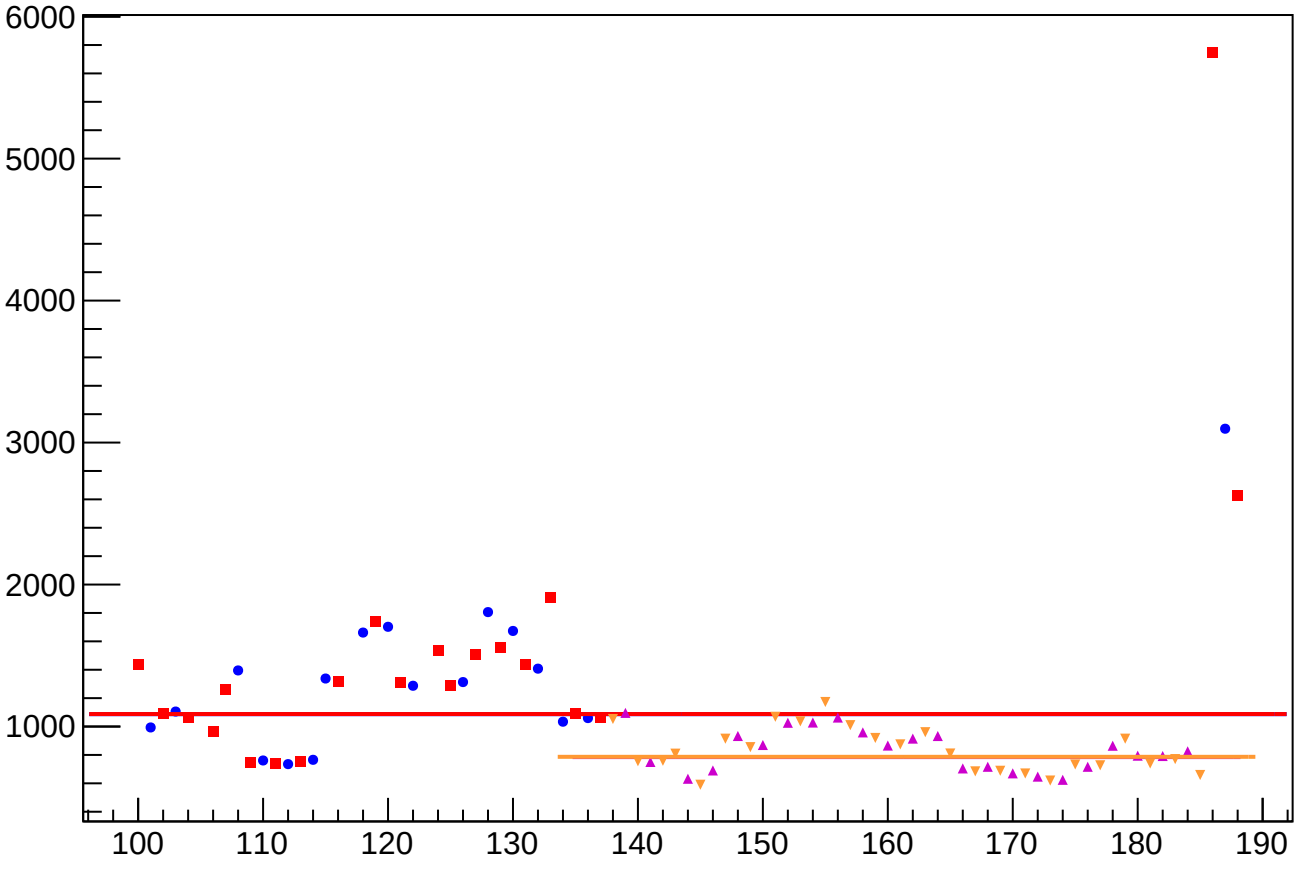
In: 92.133+/-0.013 χ^2/NDF:1373581.4/39

Out: 92.010+/-0.013 χ^2/NDF:2512699.9/45

All: 92.069+/-0.009 χ^2/NDF: 3886326.8/85


asym_sam_3748_avg_cor_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
−20000
−25000
100
110
120
130
140
150
160
170
180
190
Right In: -269.403+/-418.857 χ²/NDF: 23.4/16
Left Out: -878.453+/-182.188 χ²/NDF:67.7/24
Right Out: 906.353+/-396.871 χ²/NDF: 15.4/20
Left In: 138.730+/-186.573 χ²/NDF:24.2/22
Left: -381.957+/-130.349 χ²/NDF: 107.1/47
Right: 350.143+/-288.089 χ²/NDF: 43.0/37
In: 71.158+/-170.430 χ²/NDF:48.4/39
Out: -567.796+/-165.575 χ²/NDF:99.9/45
All: -257.550+/-118.758 χ²/NDF: 155.5/85

asym_sam_3748_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 1087.011+/-0.296 χ^2/NDF: 1212932.7/16

Left Out: 786.758+/-0.129 χ^2/NDF:1210893.0/24

Right Out: 1087.978+/-0.281 χ^2/NDF: 2404475.9/20

Left In: 784.833+/-0.132 χ^2/NDF:1063746.9/22

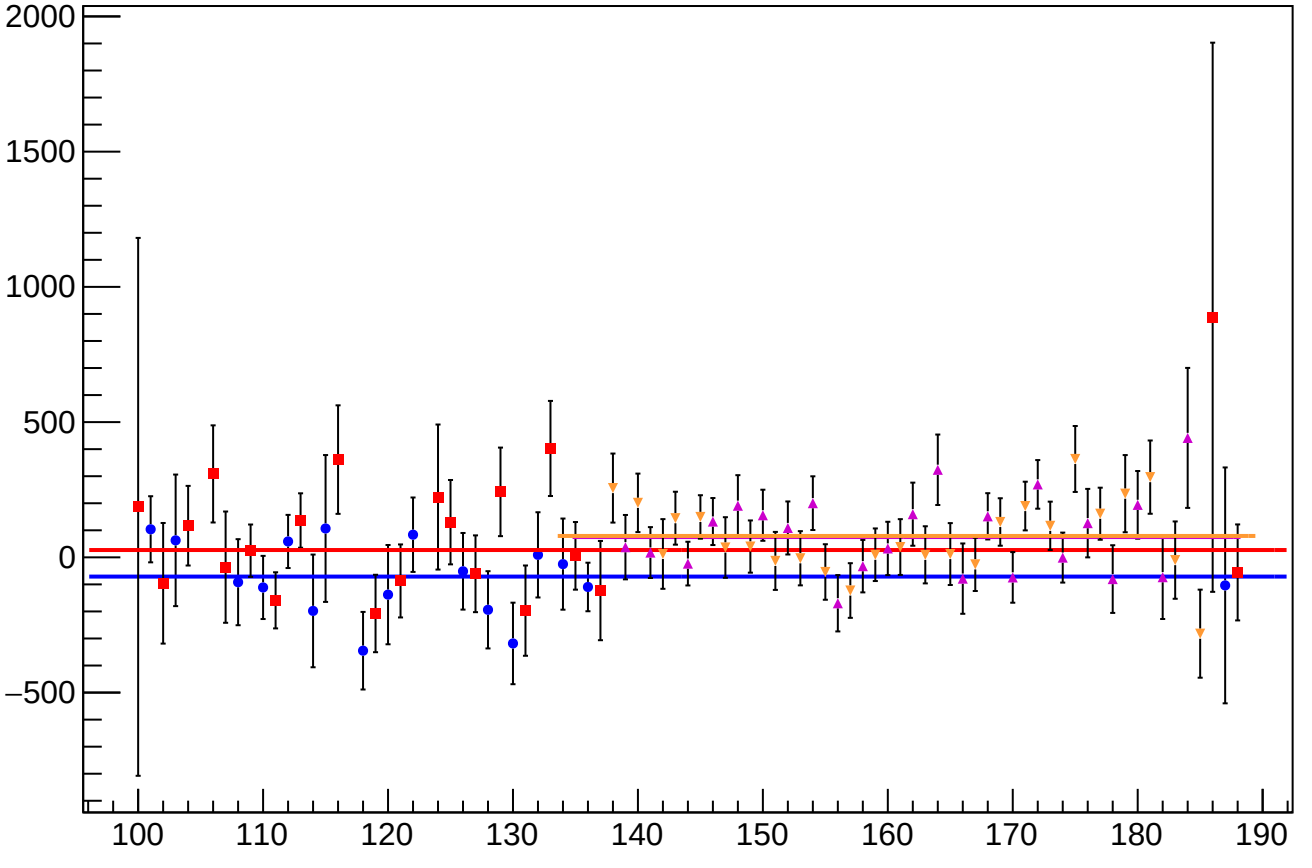
Left: 785.819+/-0.092 χ^2/NDF: 2274748.8/47

Right: 1087.521+/-0.204 χ^2/NDF: 3617414.3/37

In: 834.863+/-0.121 χ^2/NDF:3145273.4/39

Out: 839.187+/-0.117 χ^2/NDF:4566960.0/45

All: 837.088+/-0.084 χ^2/NDF: 7712895.9/85



Right In: -71.115+/-35.009 χ^2/NDF: 14.1/16

Left Out: 79.106+/-21.102 χ^2/NDF:32.0/24

Right Out: 27.055+/-33.608 χ^2/NDF: 24.9/20

Left In: 75.049+/-21.837 χ^2/NDF:32.6/22

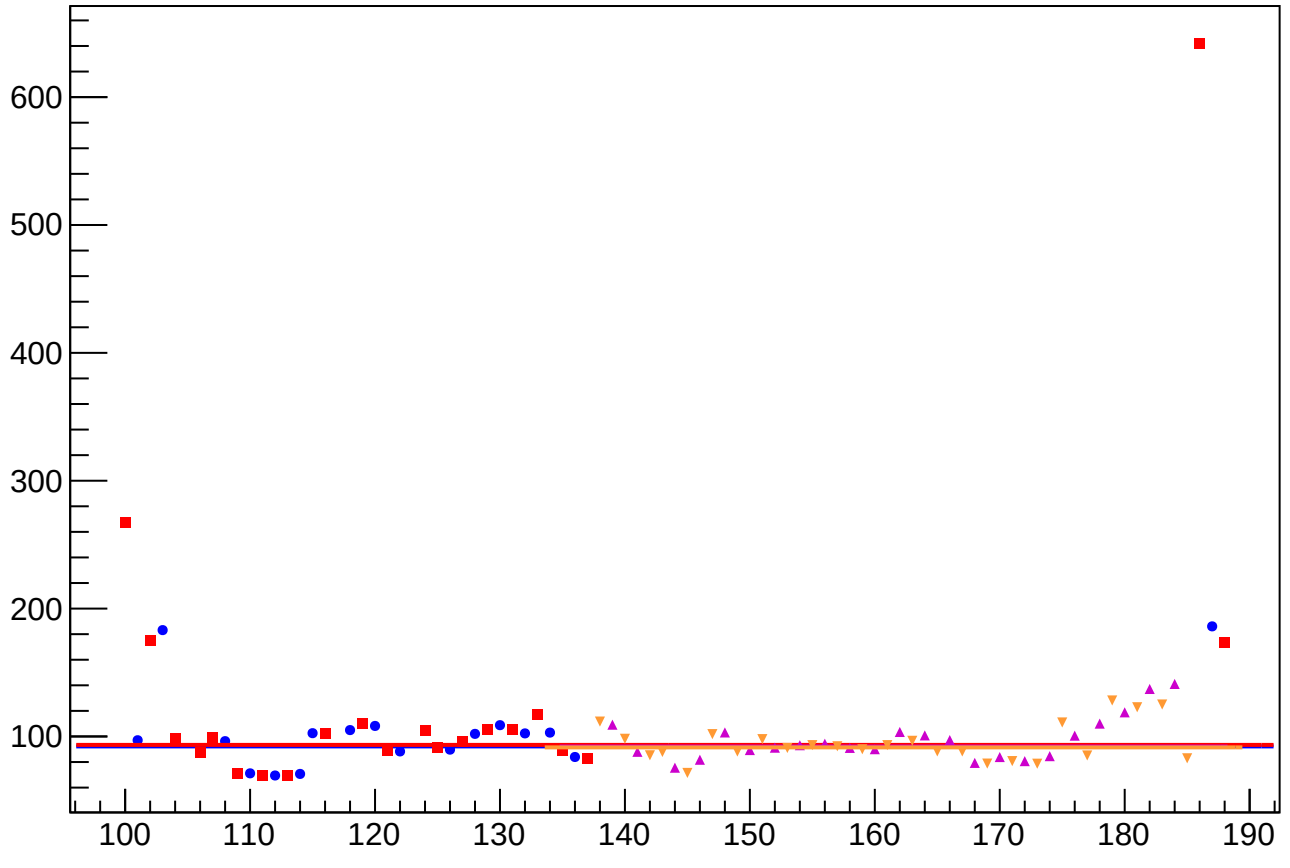
Left: 77.147+/-15.175 χ^2/NDF: 64.6/47

Right: -20.027+/-24.245 χ^2/NDF: 43.1/37

In: 34.109+/-18.528 χ^2/NDF:59.2/39

Out: 64.388+/-17.871 χ^2/NDF:58.6/45

All: 49.795+/-12.863 χ^2/NDF: 119.2/85



Right In: 92.217+/-0.025 χ^2/NDF: 673975.4/16

Left Out: 91.462+/-0.015 χ^2/NDF:751213.9/24

Right Out: 93.402+/-0.024 χ^2/NDF: 1756704.7/20

Left In: 92.100+/-0.015 χ^2/NDF:699590.1/22

Left: 91.770+/-0.011 χ^2/NDF: 1451688.9/47

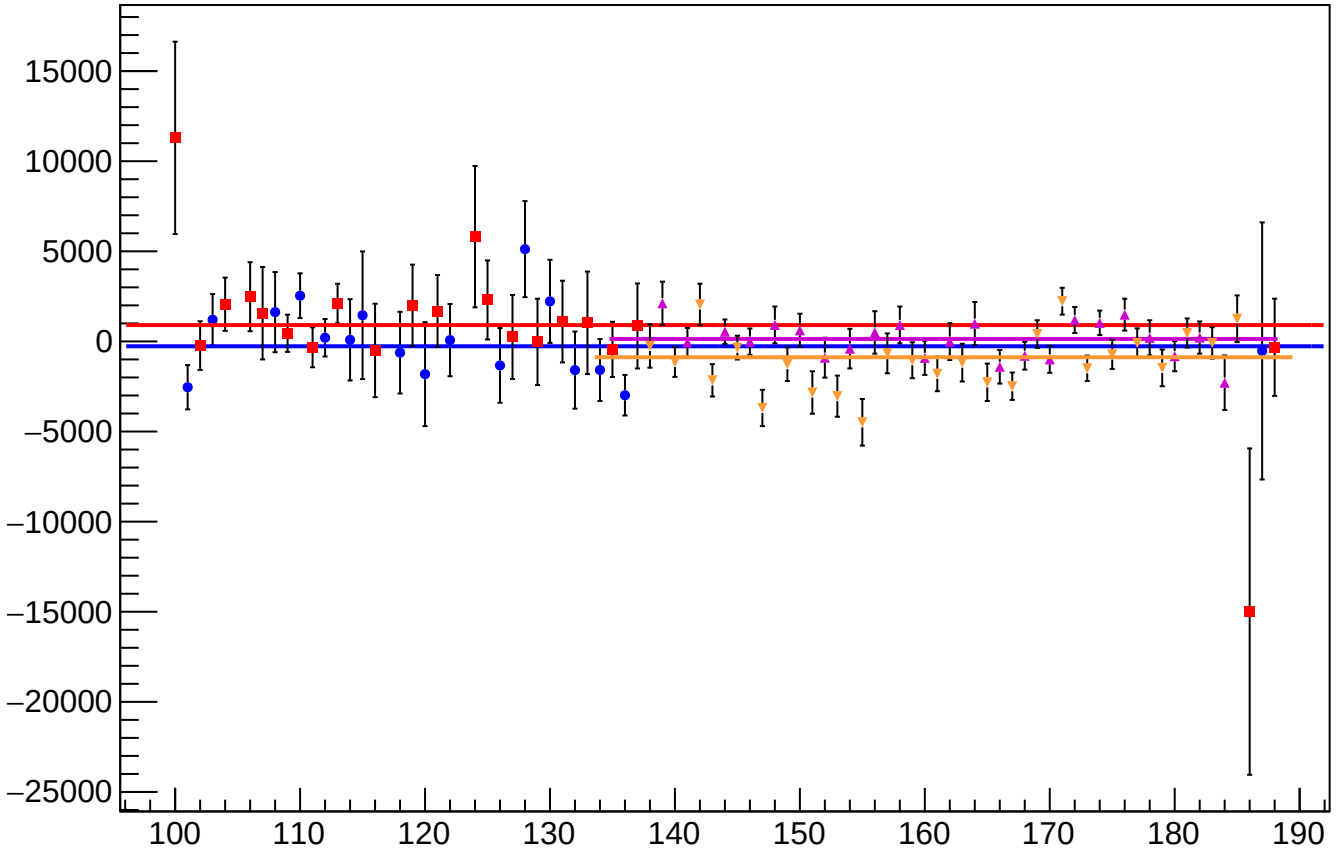
Right: 92.834+/-0.017 χ^2/NDF: 2431872.6/37

In: 92.133+/-0.013 χ^2/NDF:1373581.4/39

Out: 92.010+/-0.013 χ^2/NDF:2512699.9/45

All: 92.069+/-0.009 χ^2/NDF: 3886326.8/85

asym_sam_3748_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -269.403+/-418.857 χ^2/NDF: 23.4/16

Left Out: -878.453+/-182.188 χ^2/NDF:67.7/24

Right Out: 906.353+/-396.871 χ^2/NDF: 15.4/20

Left In: 138.730+/-186.573 χ^2/NDF:24.2/22

Left: -381.957+/-130.349 χ^2/NDF: 107.1/47

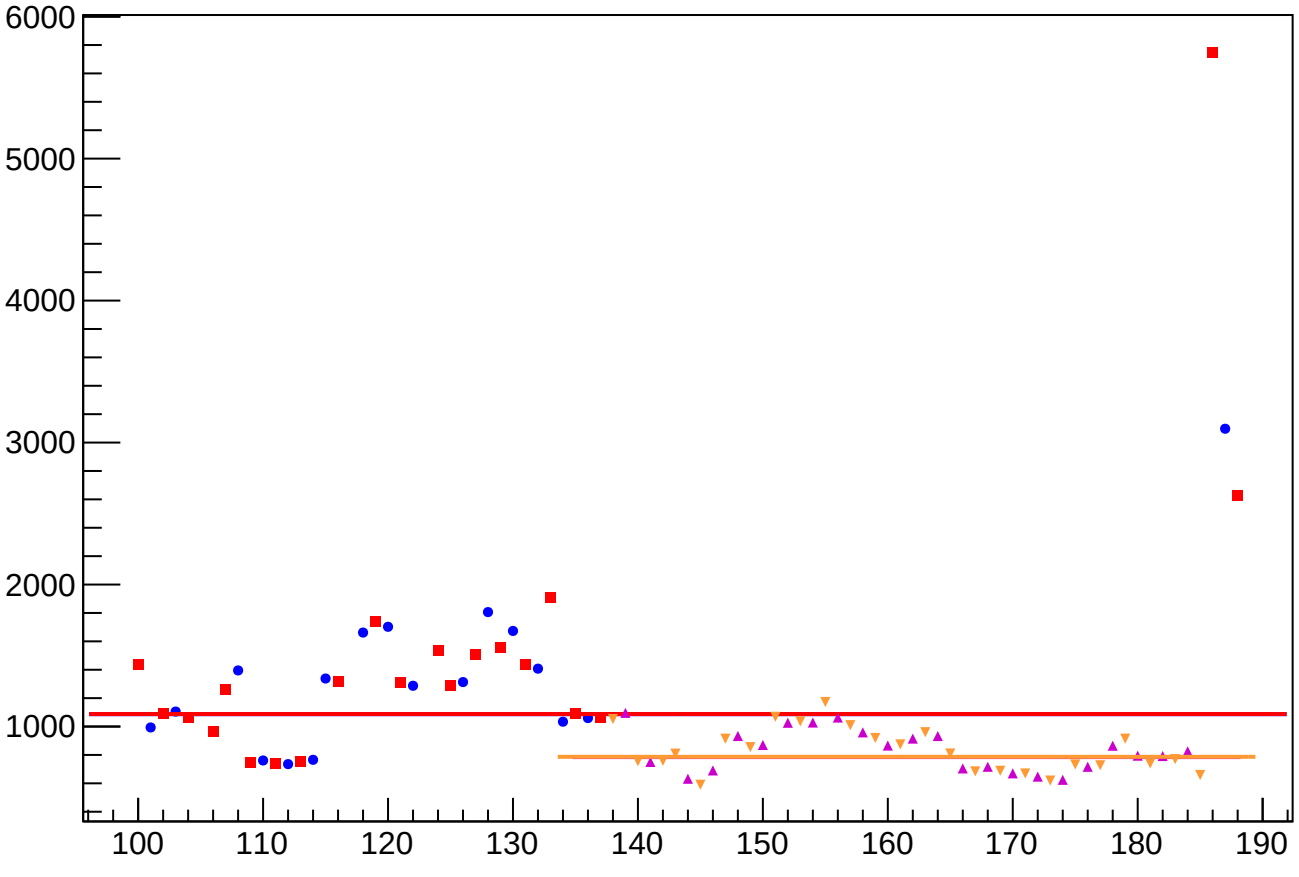
Right: 350.143+/-288.089 χ^2/NDF: 43.0/37

In: 71.158+/-170.430 χ^2/NDF:48.4/39

Out: -567.796+/-165.575 χ^2/NDF:99.9/45

All: -257.550+/-118.758 χ^2/NDF: 155.5/85

asym_sam_3748_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1087.011+/-0.296 χ^2/NDF: 1212932.7/16

Left Out: 786.758+/-0.129 χ^2/NDF:1210893.0/24

Right Out: 1087.978+/-0.281 χ^2/NDF: 2404475.9/20

Left In: 784.833+/-0.132 χ^2/NDF:1063746.9/22

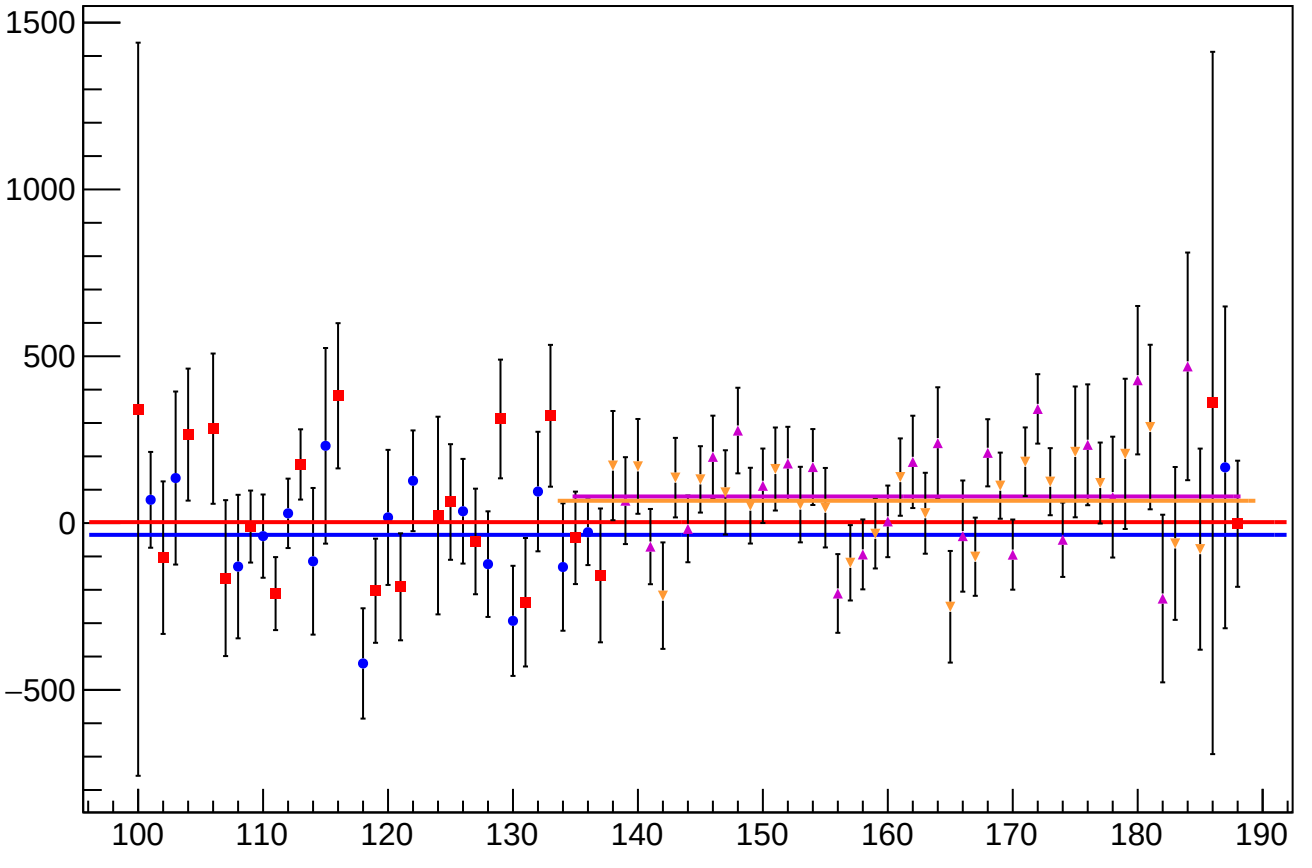
Left: 785.819+/-0.092 χ^2/NDF: 2274748.8/47

Right: 1087.521+/-0.204 χ^2/NDF: 3617414.3/37

In: 834.863+/-0.121 χ^2/NDF:3145273.4/39

Out: 839.187+/-0.117 χ^2/NDF:4566960.0/45

All: 837.088+/-0.084 χ^2/NDF: 7712895.9/85



Right In: -35.268+/-38.864 χ^2/NDF: 13.1/16

Left Out: 66.896+/-25.584 χ^2/NDF:19.6/24

Right Out: 2.840+/-37.386 χ^2/NDF: 24.9/20

Left In: 79.766+/-26.299 χ^2/NDF:36.9/22

Left: 73.154+/-18.338 χ^2/NDF: 56.7/47

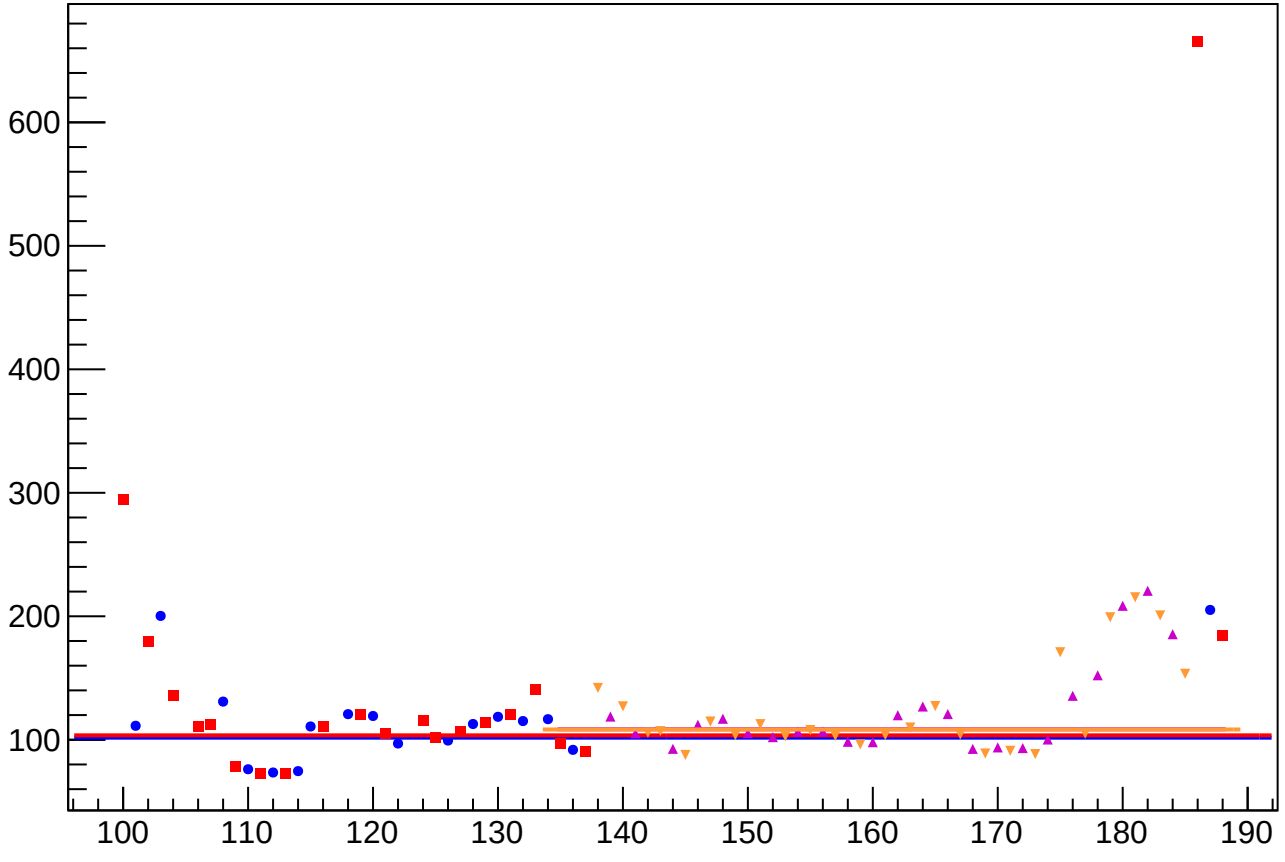
Right: -15.476+/-26.943 χ^2/NDF: 38.4/37

In: 43.636+/-21.781 χ^2/NDF:56.0/39

Out: 46.467+/-21.113 χ^2/NDF:46.5/45

All: 45.095+/-15.160 χ^2/NDF: 102.5/85

dit_asym_sam_3748_avg_rms vs Slug, Sign Corrected



Right In: 101.707+/-0.027 χ^2/NDF: 808723.5/16

Left Out: 108.330+/-0.018 χ^2/NDF:1774599.9/24

Right Out: 103.576+/-0.026 χ^2/NDF: 1837413.8/20

Left In: 108.492+/-0.019 χ^2/NDF:1379398.3/22

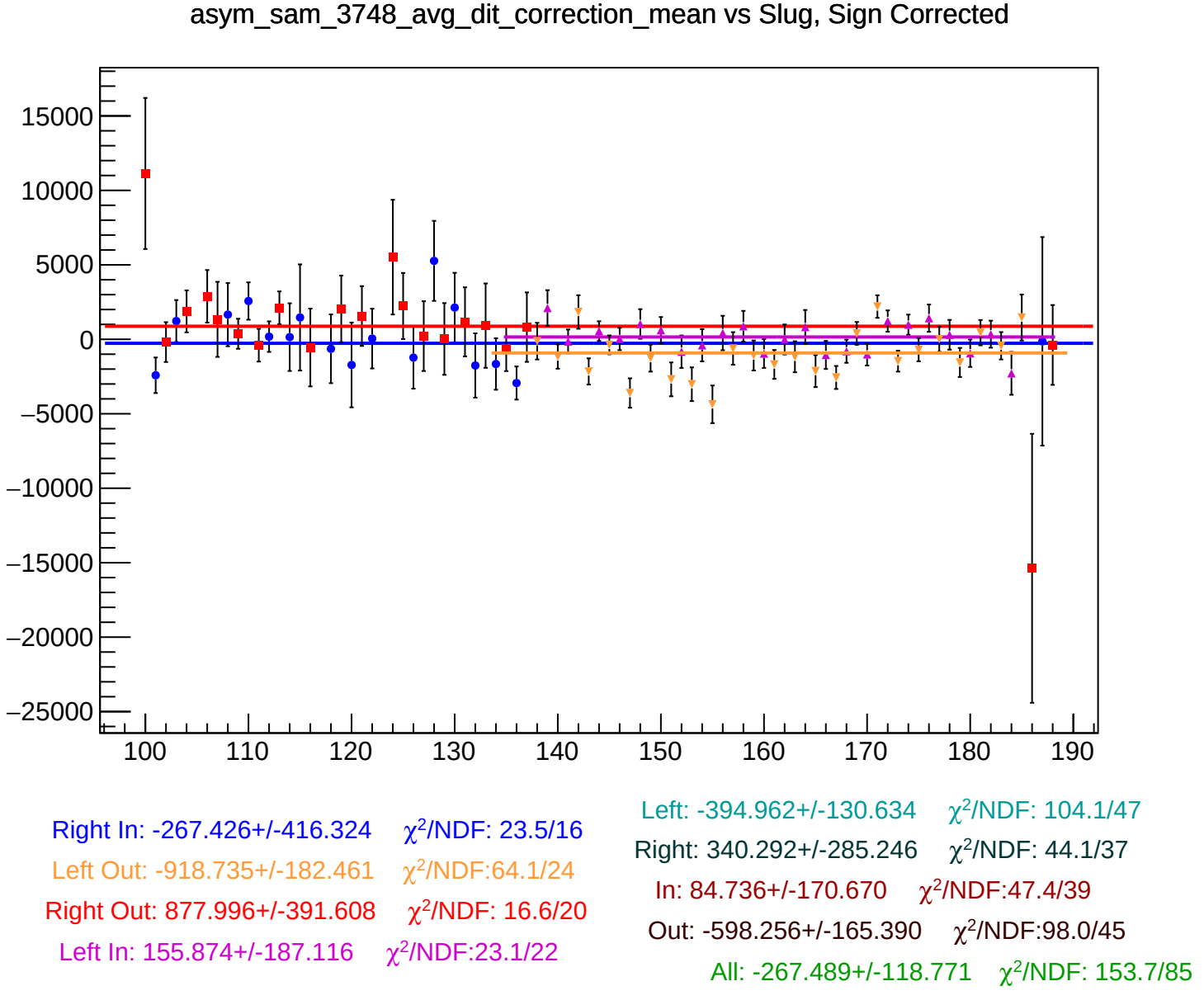
Left: 108.409+/-0.013 χ^2/NDF: 3154037.3/47

Right: 102.678+/-0.019 χ^2/NDF: 2648539.6/37

In: 106.361+/-0.015 χ^2/NDF:2229935.6/39

Out: 106.814+/-0.015 χ^2/NDF:3634037.0/45

All: 106.595+/-0.011 χ^2/NDF: 5864417.9/85


asym_sam_3748_avg_dit_correction_mean vs Slug, Sign Corrected
15000
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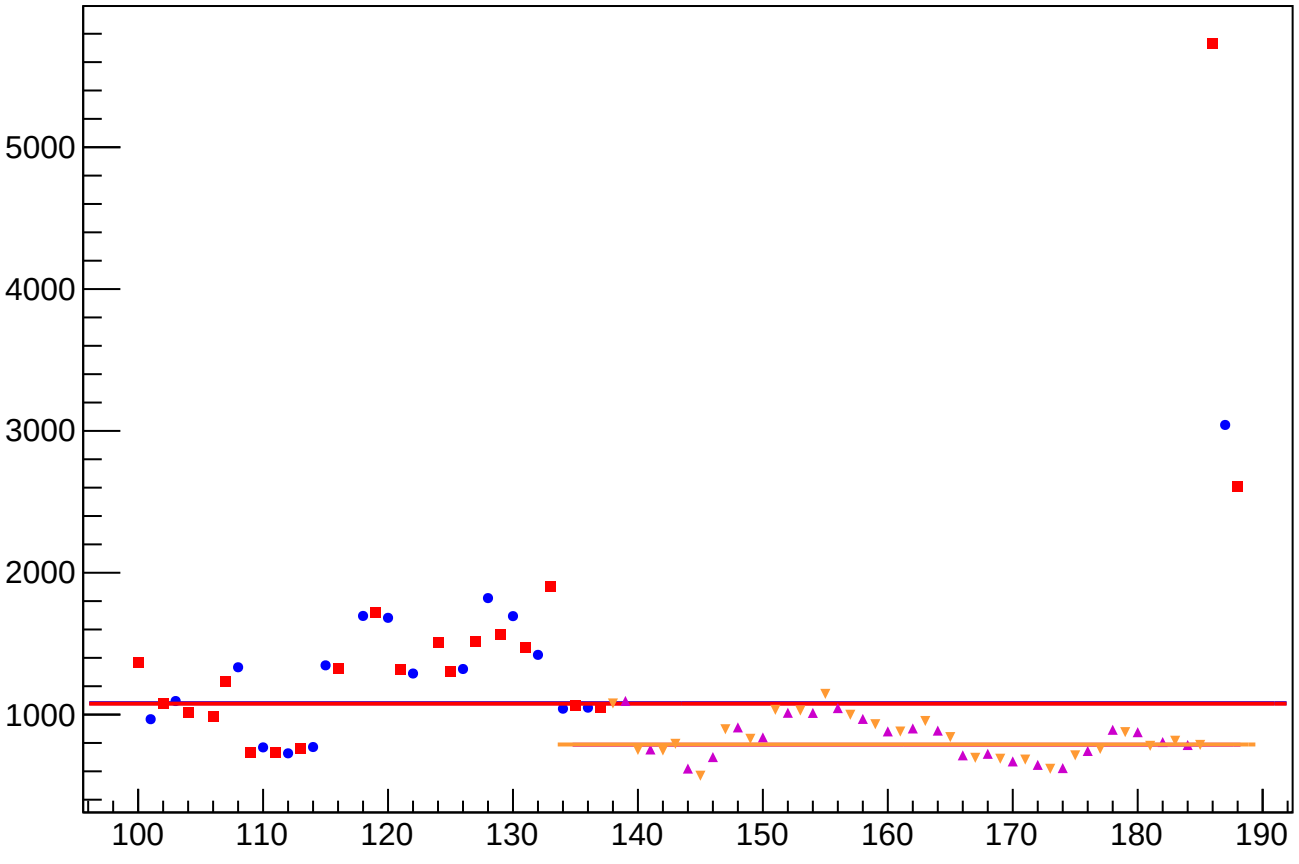
−5000
−10000
−15000
−20000
−25000
100
110
120
130
140
150
160
170
180
190
Right In: -267.426+/-416.324 χ²/NDF: 23.5/16
Left Out: -918.735+/-182.461 χ²/NDF:64.1/24
Right Out: 877.996+/-391.608 χ²/NDF: 16.6/20
Left In: 155.874+/-187.116 χ²/NDF:23.1/22
Left: -394.962+/-130.634 χ²/NDF: 104.1/47
Right: 340.292+/-285.246 χ²/NDF: 44.1/37
In: 84.736+/-170.670 χ²/NDF:47.4/39
Out: -598.256+/-165.390 χ²/NDF:98.0/45
All: -267.489+/-118.771 χ²/NDF: 153.7/85



Right In: 1080.415+/-0.294 χ^2/NDF: 1234585.9/16

Left Out: 789.250+/-0.129 χ^2/NDF:1176799.1/24

Right Out: 1077.000+/-0.277 χ^2/NDF: 2438102.8/20

Left In: 787.390+/-0.132 χ^2/NDF:1041390.9/22

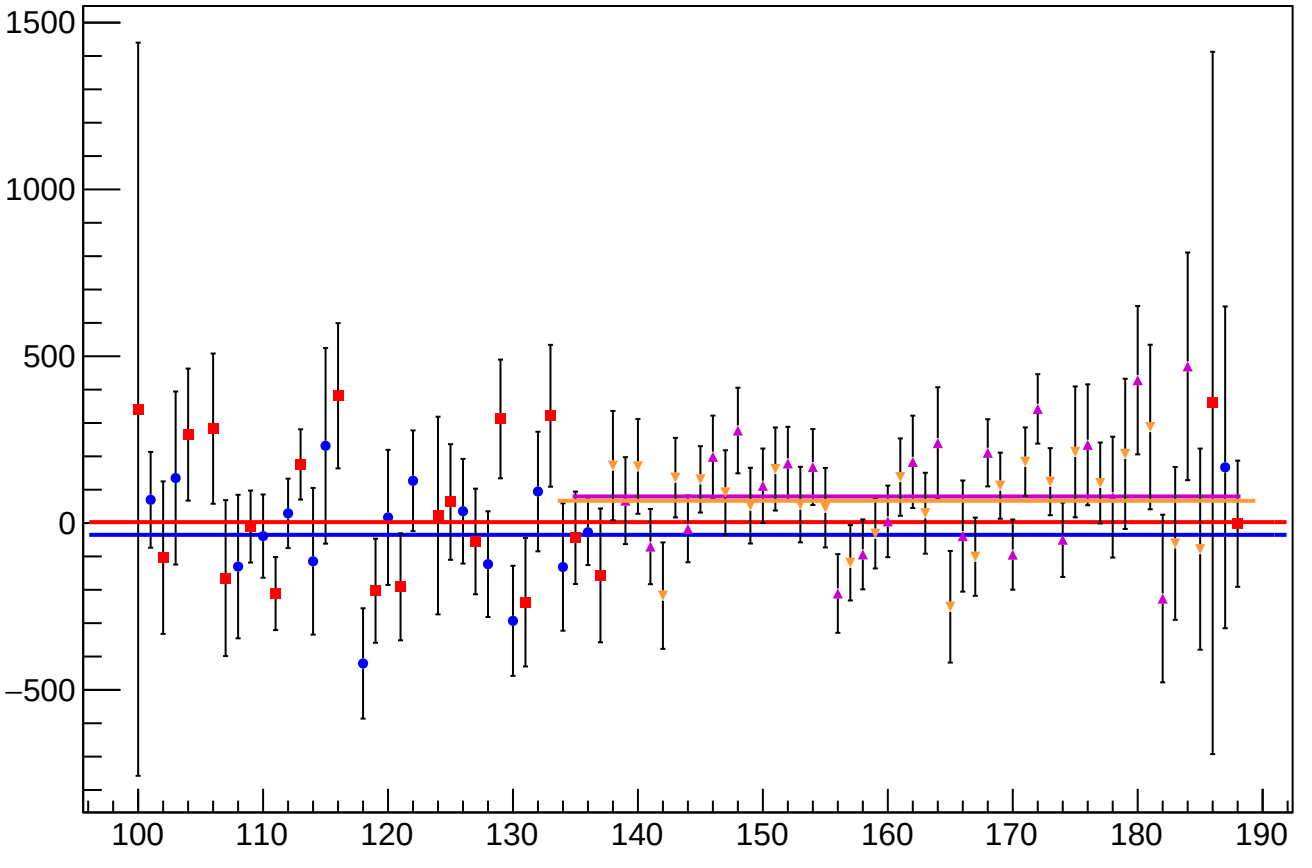
Left: 788.343+/-0.092 χ^2/NDF: 2218291.4/47

Right: 1078.603+/-0.202 χ^2/NDF: 3672760.0/37

In: 836.634+/-0.121 χ^2/NDF:3100251.3/39

Out: 840.575+/-0.117 χ^2/NDF:4502134.9/45

All: 838.667+/-0.084 χ^2/NDF: 7602936.0/85



Right In: -35.267+/-38.864 χ^2/NDF: 13.1/16

Left Out: 66.898+/-25.584 χ^2/NDF:19.6/24

Right Out: 2.838+/-37.386 χ^2/NDF: 24.9/20

Left In: 79.766+/-26.299 χ^2/NDF:36.9/22

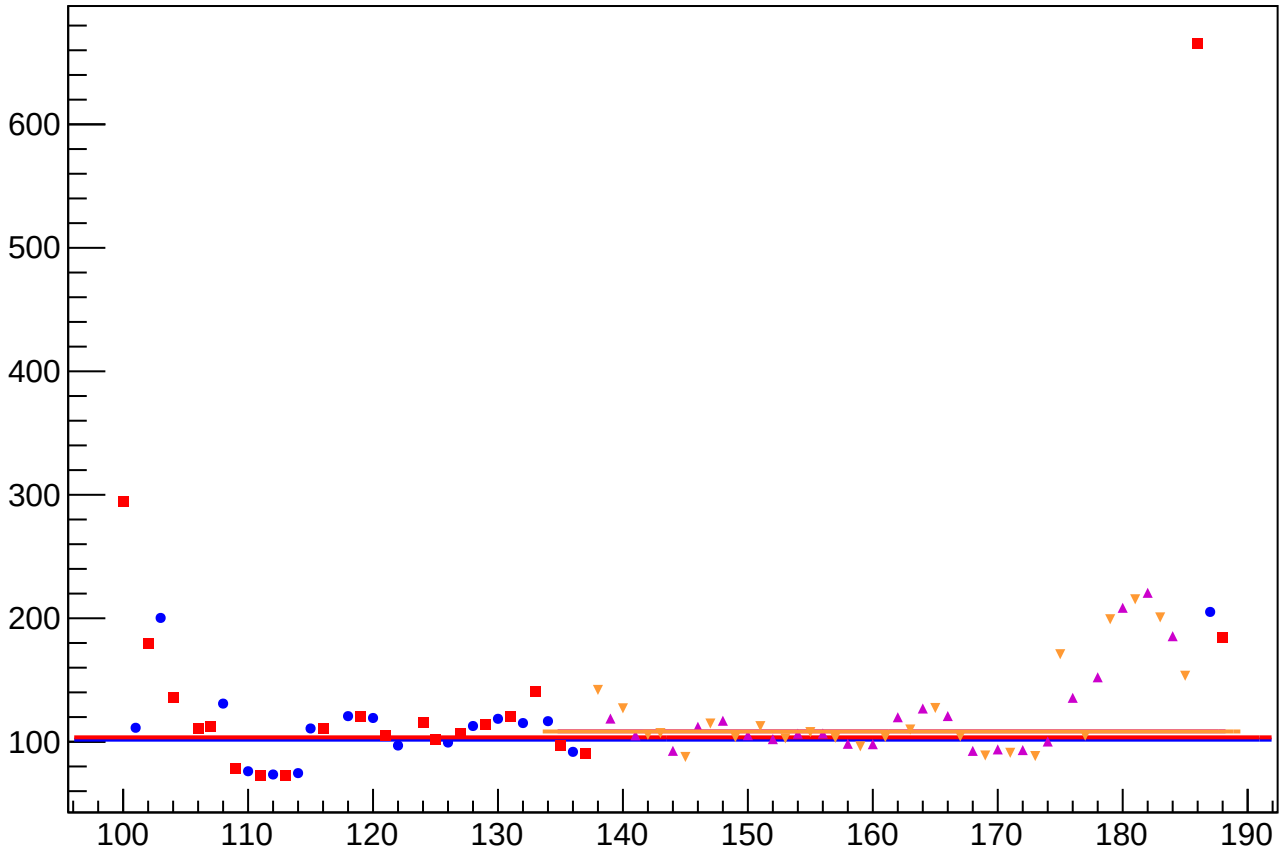
Left: 73.154+/-18.338 χ^2/NDF: 56.7/47

Right: -15.476+/-26.943 χ^2/NDF: 38.4/37

In: 43.636+/-21.781 χ^2/NDF:56.0/39

Out: 46.467+/-21.114 χ^2/NDF:46.4/45

All: 45.095+/-15.160 χ^2/NDF: 102.5/85



Right In: 101.707+/-0.027 χ^2/NDF: 808724.0/16

Left Out: 108.330+/-0.018 χ^2/NDF:1774594.6/24

Right Out: 103.577+/-0.026 χ^2/NDF: 1837421.9/20

Left In: 108.493+/-0.019 χ^2/NDF:1379379.3/22

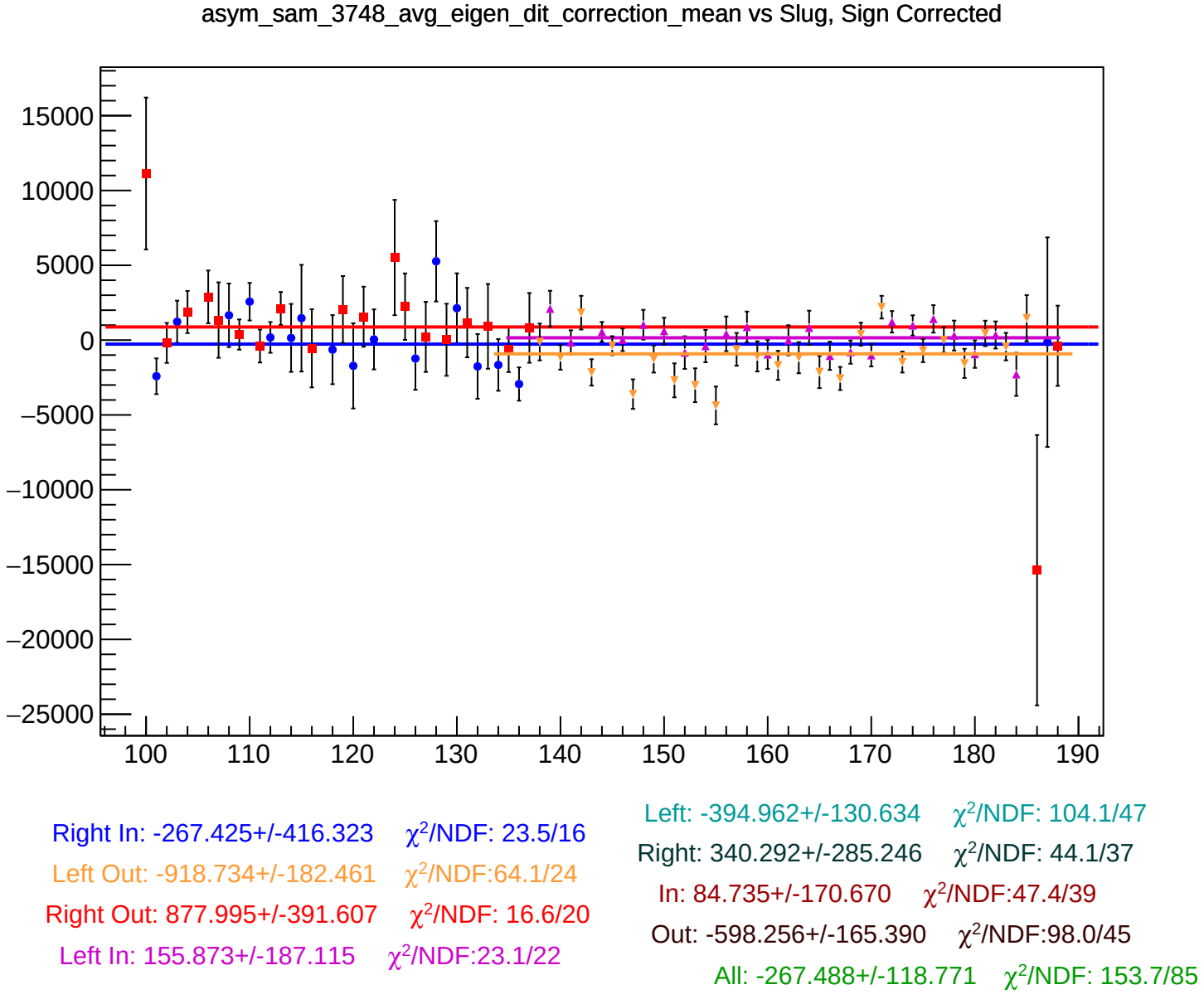
Left: 108.409+/-0.013 χ^2/NDF: 3154013.0/47

Right: 102.678+/-0.019 χ^2/NDF: 2648548.3/37

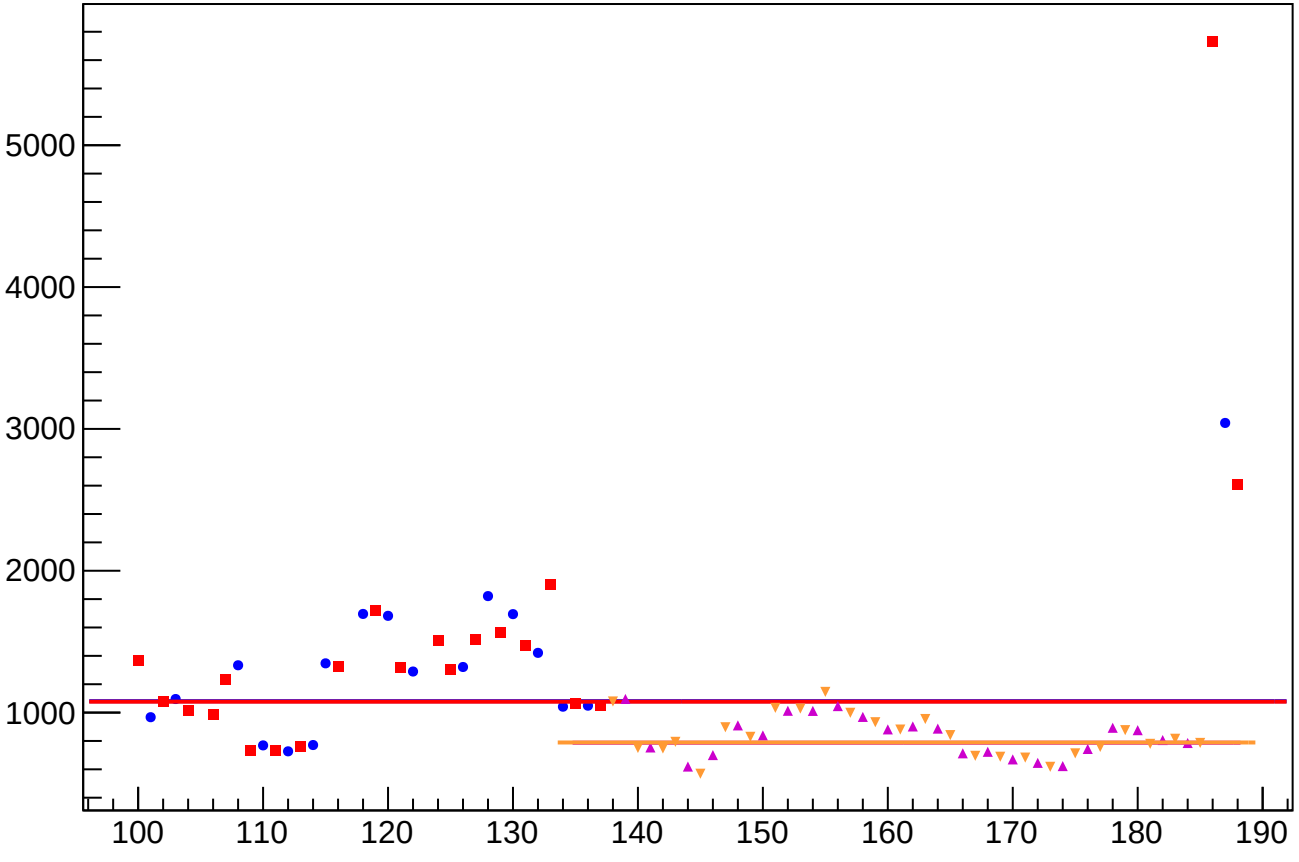
In: 106.362+/-0.015 χ^2/NDF:2229919.2/39

Out: 106.814+/-0.015 χ^2/NDF:3634041.3/45

All: 106.595+/-0.011 χ^2/NDF: 5864405.9/85


asym_sam_3748_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
−20000
−25000
100
110
120
130
140
150
160
170
180
190
Right In: -267.425+/-416.323 χ²/NDF: 23.5/16
Left Out: -918.734+/-182.461 χ²/NDF:64.1/24
Right Out: 877.995+/-391.607 χ²/NDF: 16.6/20
Left In: 155.873+/-187.115 χ²/NDF:23.1/22
Left: -394.962+/-130.634 χ²/NDF: 104.1/47
Right: 340.292+/-285.246 χ²/NDF: 44.1/37
In: 84.735+/-170.670 χ²/NDF:47.4/39
Out: -598.256+/-165.390 χ²/NDF:98.0/45
All: -267.488+/-118.771 χ²/NDF: 153.7/85

asym_sam_3748_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1080.413+/-0.294 χ^2/NDF: 1234591.5/16

Left Out: 789.248+/-0.129 χ^2/NDF:1176801.9/24

Right Out: 1076.999+/-0.277 χ^2/NDF: 2438104.2/20

Left In: 787.388+/-0.132 χ^2/NDF:1041391.2/22

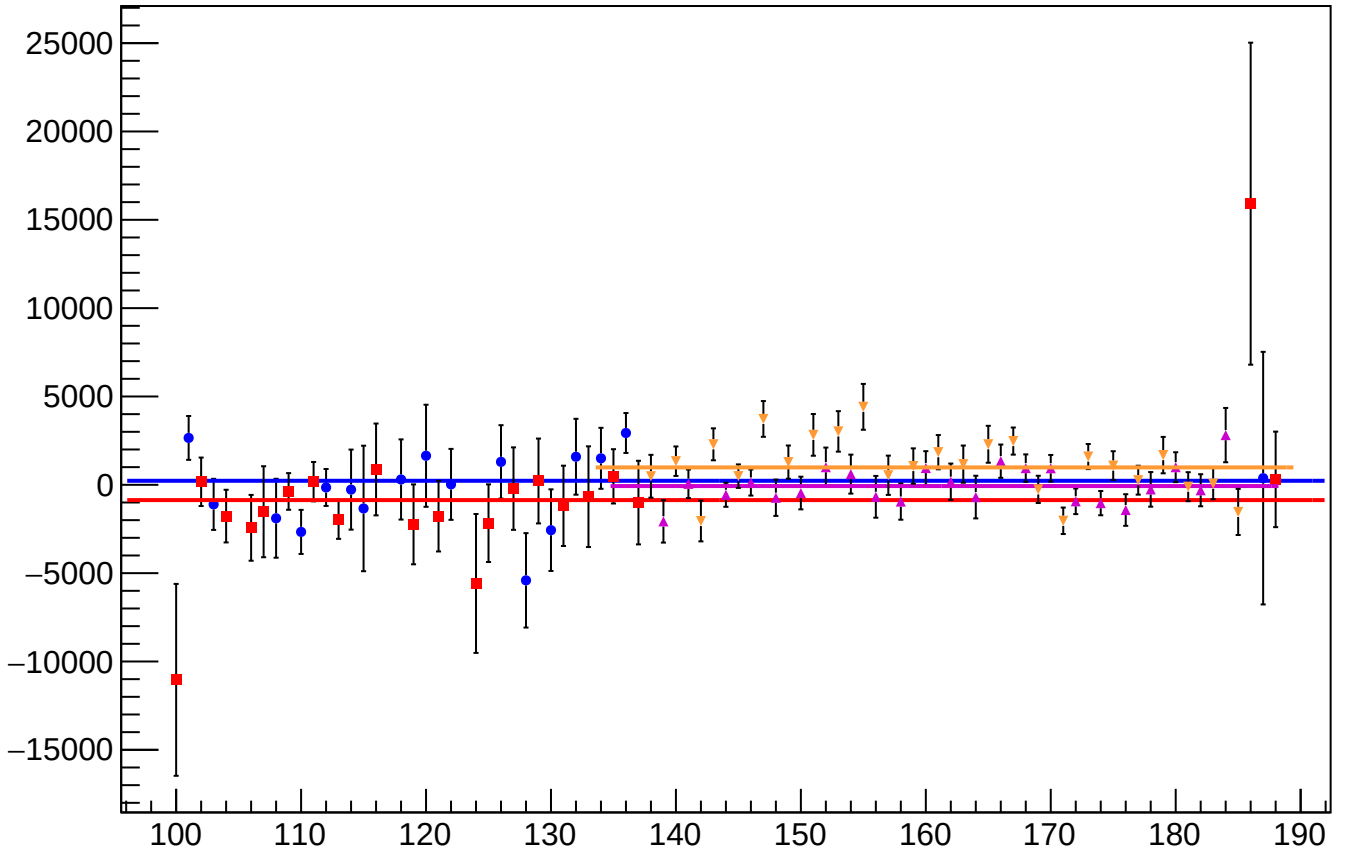
Left: 788.342+/-0.092 χ^2/NDF: 2218294.3/47

Right: 1078.601+/-0.202 χ^2/NDF: 3672767.1/37

In: 836.633+/-0.121 χ^2/NDF:3100256.5/39

Out: 840.574+/-0.117 χ^2/NDF:4502140.0/45

All: 838.665+/-0.084 χ^2/NDF: 7602946.5/85



Right In: 228.023+/-421.105 χ^2/NDF: 24.4/16

Left Out: 985.656+/-183.601 χ^2/NDF:63.7/24

Right Out: -864.774+/-398.315 χ^2/NDF: 14.8/20

Left In: -70.089+/-188.036 χ^2/NDF:24.4/22

Left: 470.380+/-131.365 χ^2/NDF: 104.3/47

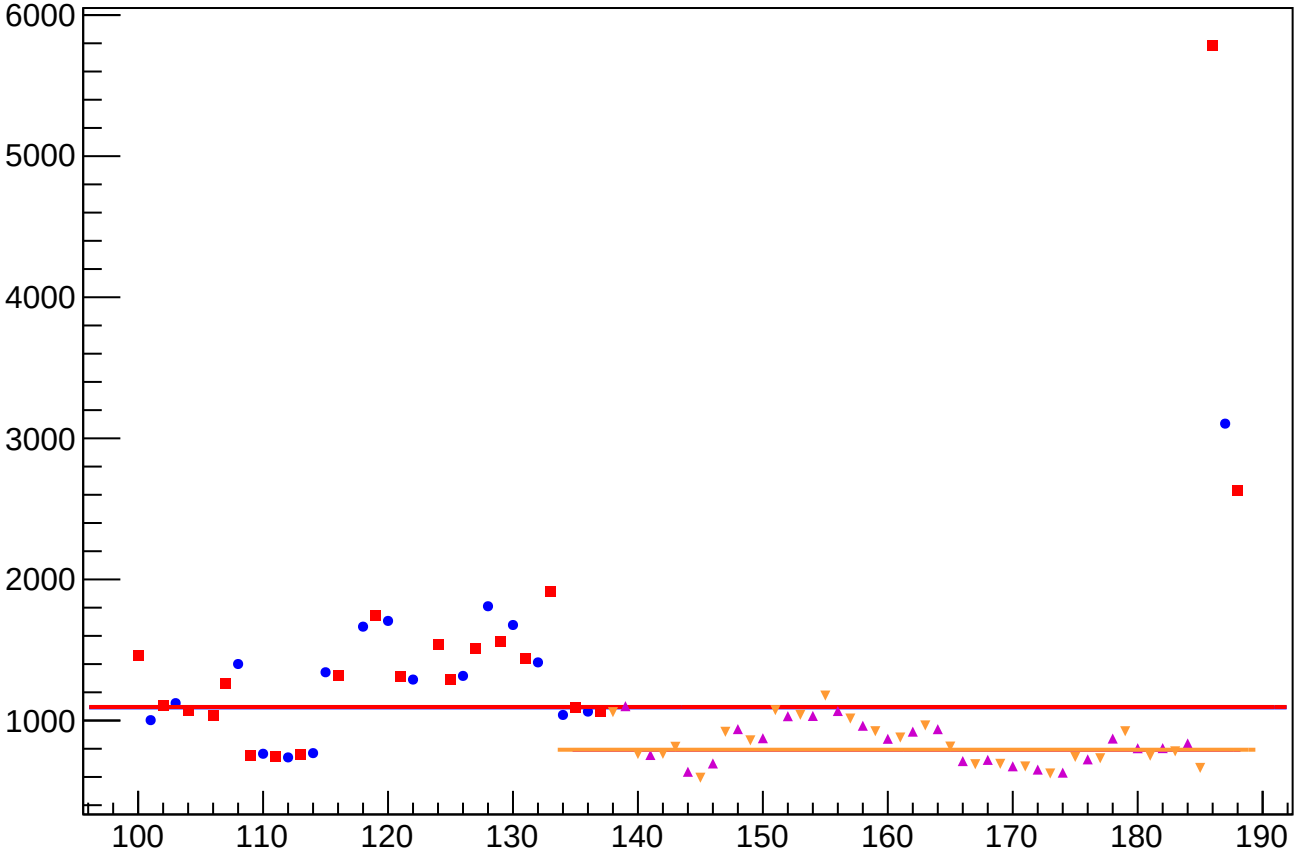
Right: -348.746+/-289.373 χ^2/NDF: 42.8/37

In: -20.530+/-171.696 χ^2/NDF:49.3/39

Out: 661.392+/-166.740 χ^2/NDF:96.3/45

All: 330.415+/-119.617 χ^2/NDF: 153.7/85

asym_sam_3748_avg_rms vs Slug, Sign Corrected



Right In: 1093.141+/-0.298 χ^2/NDF: 1206335.4/16

Left Out: 793.051+/-0.130 χ^2/NDF:1193972.3/24

Right Out: 1096.147+/-0.282 χ^2/NDF: 2392295.8/20

Left In: 791.155+/-0.133 χ^2/NDF:1049107.7/22

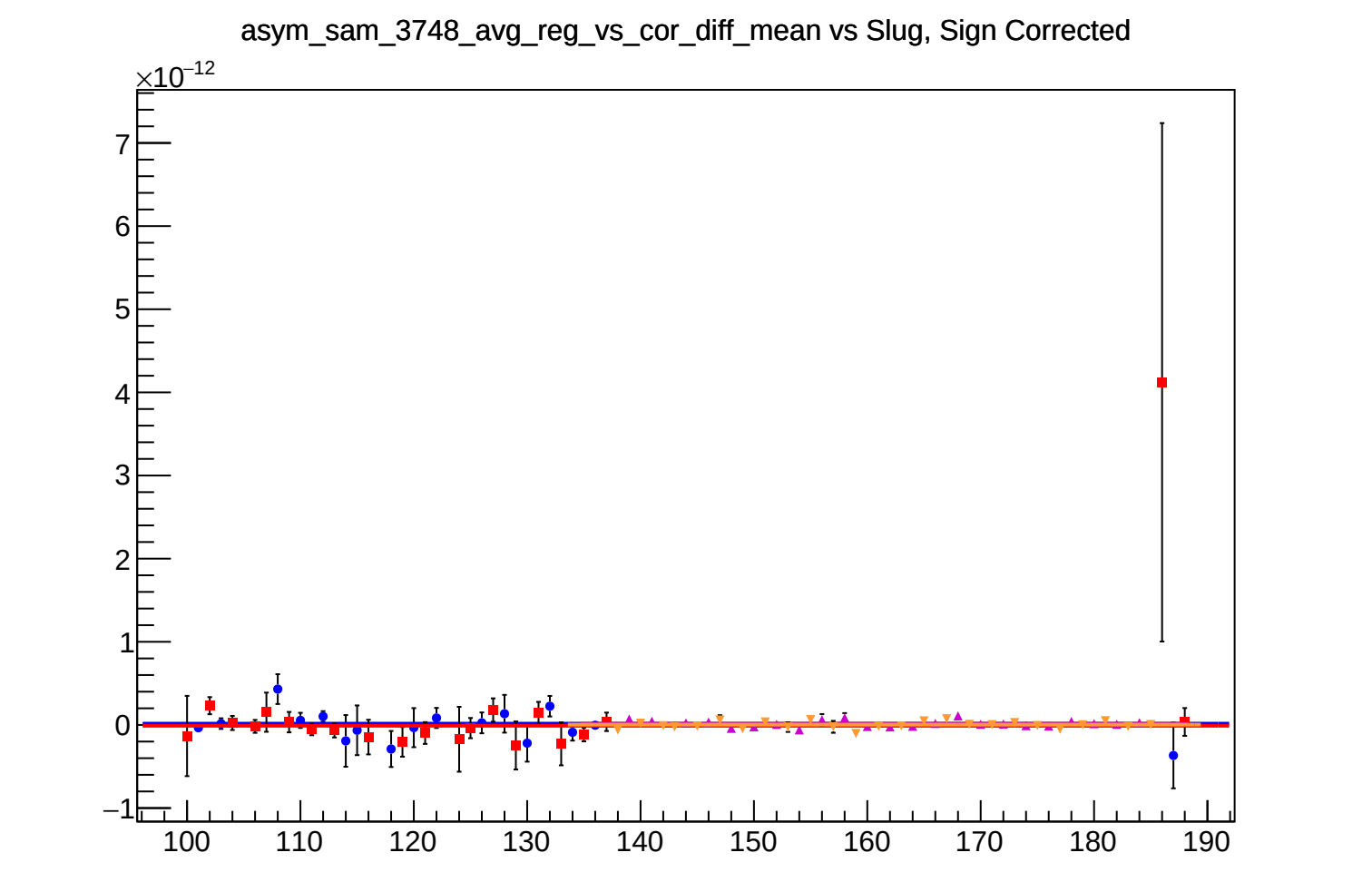
Left: 792.126+/-0.093 χ^2/NDF: 2243184.1/47

Right: 1094.727+/-0.205 χ^2/NDF: 3598685.1/37

In: 841.358+/-0.121 χ^2/NDF:3112996.2/39

Out: 846.165+/-0.118 χ^2/NDF:4541406.3/45

All: 843.832+/-0.085 χ^2/NDF: 7655209.2/85



Right In: 0.000+/-0.000 χ^2/NDF: 17.8/16

Left Out: 0.000+/-0.000 χ^2/NDF:34.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 17.7/20

Left In: 0.000+/-0.000 χ^2/NDF:25.3/22

Left: 0.000+/-0.000 χ^2/NDF: 60.1/47

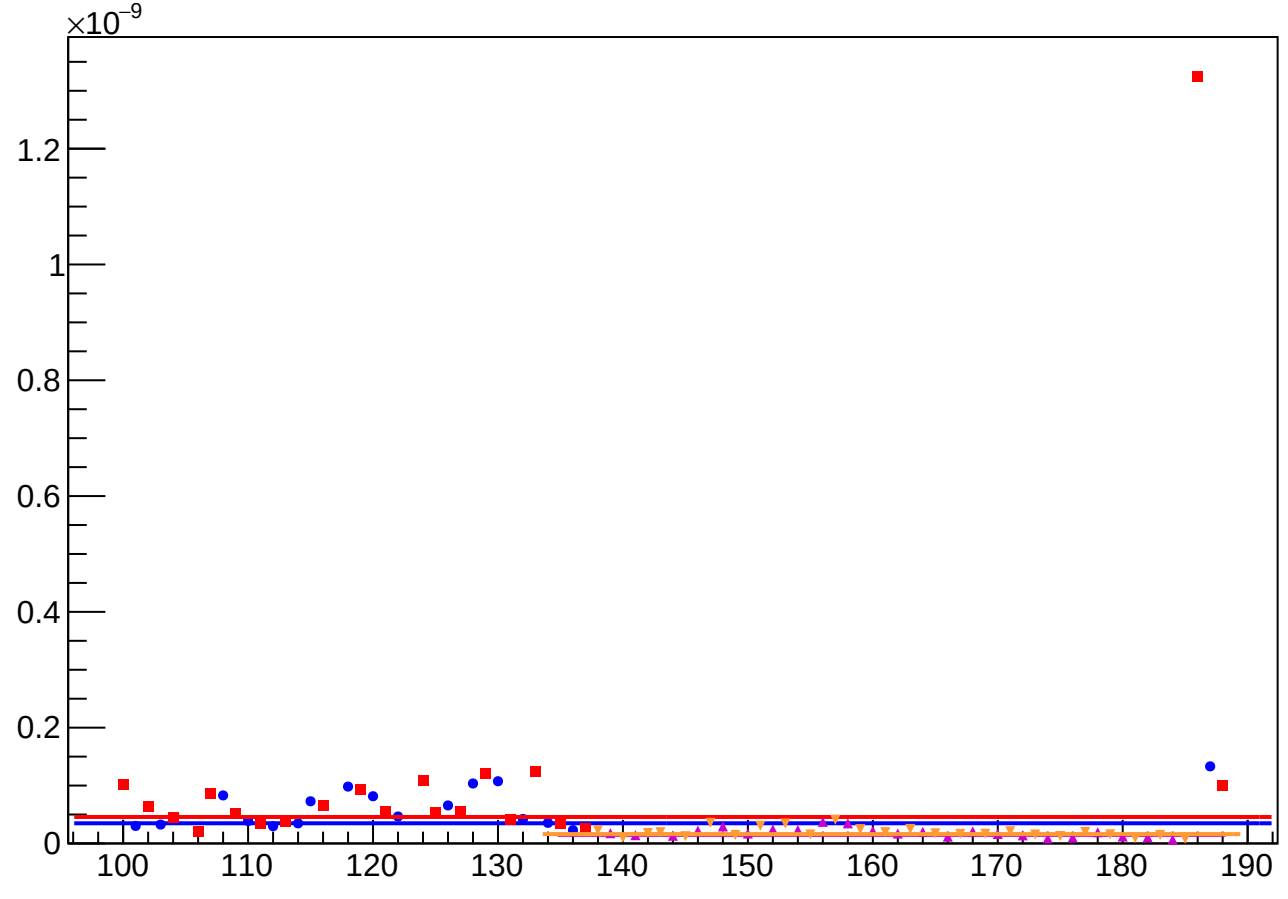
Right: 0.000+/-0.000 χ^2/NDF: 36.1/37

In: 0.000+/-0.000 χ^2/NDF:43.1/39

Out: 0.000+/-0.000 χ^2/NDF:51.9/45

All: 0.000+/-0.000 χ^2/NDF: 96.2/85

asym_sam_3748_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1312937.3/16

Left Out: 0.000+/-0.000 χ^2/NDF:1725685.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 1627289.3/20

Left In: 0.000+/-0.000 χ^2/NDF:1661952.2/22

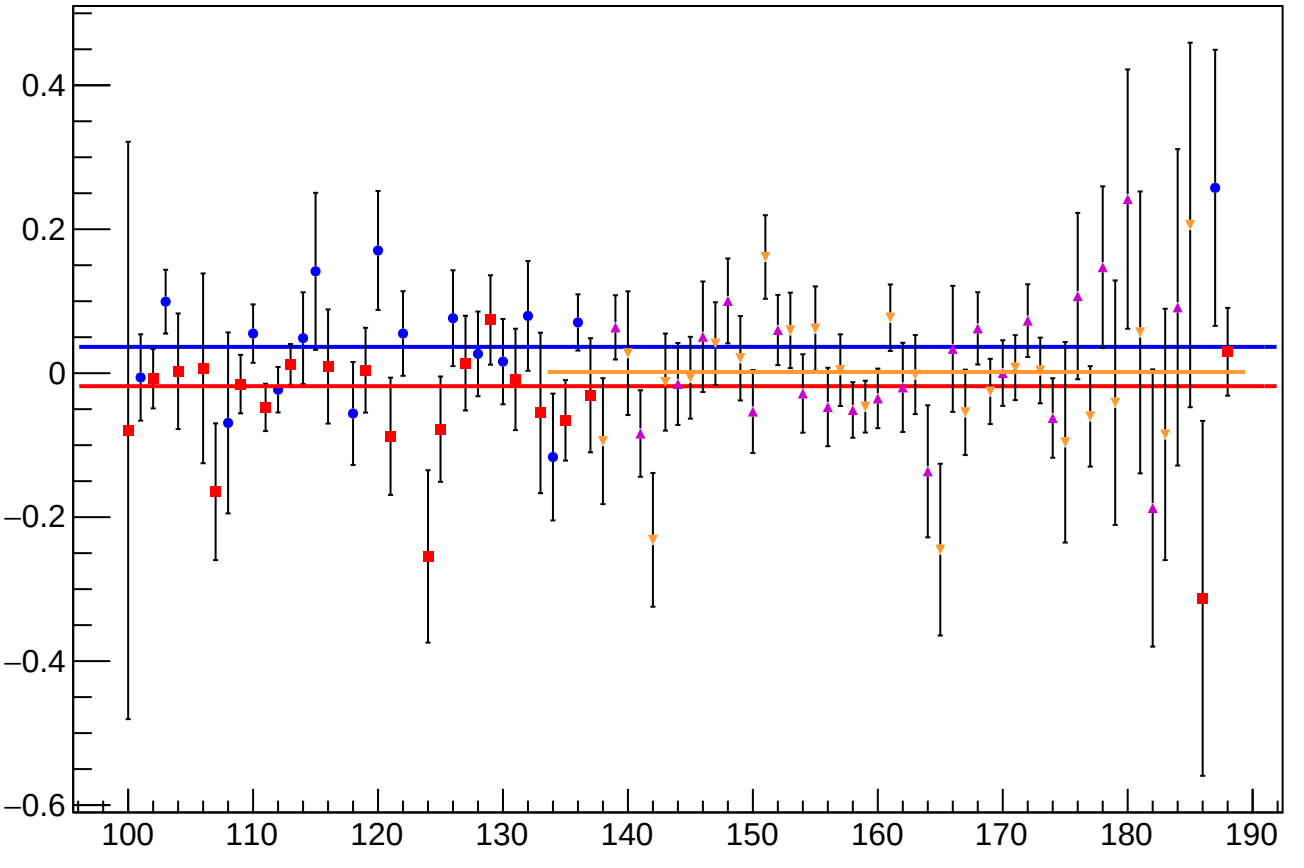
Left: 0.000+/-0.000 χ^2/NDF: 3428363.2/47

Right: 0.000+/-0.000 χ^2/NDF: 3140918.1/37

In: 0.000+/-0.000 χ^2/NDF:4523763.9/39

Out: 0.000+/-0.000 χ^2/NDF:5692106.3/45

All: 0.000+/-0.000 χ^2/NDF: 10265891.7/85



Right In: 0.037+/-0.014 χ^2/NDF: 18.3/16

Left Out: 0.002+/-0.012 χ^2/NDF:30.4/24

Right Out: -0.018+/-0.013 χ^2/NDF: 15.4/20

Left In: 0.002+/-0.012 χ^2/NDF:26.1/22

Left: 0.002+/-0.009 χ^2/NDF: 56.5/47

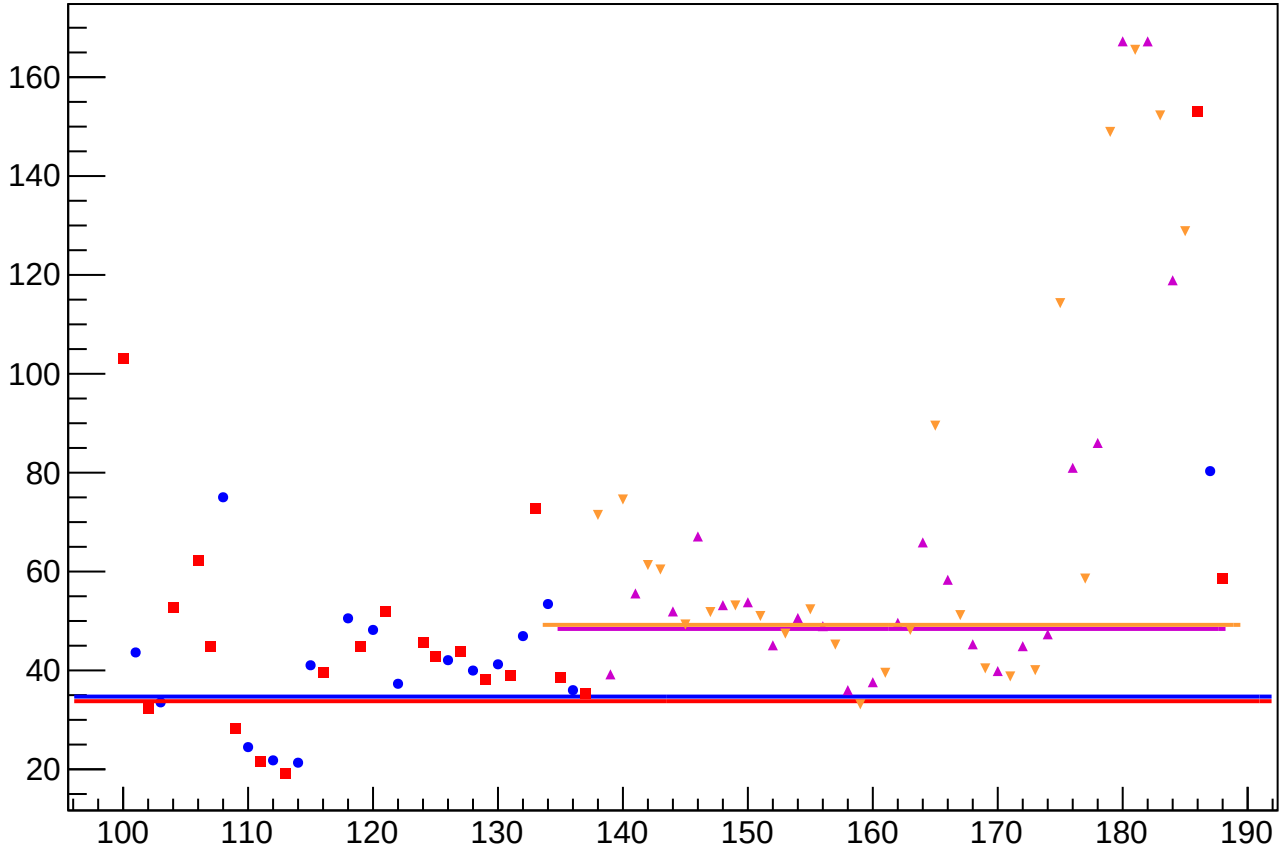
Right: 0.007+/-0.009 χ^2/NDF: 42.1/37

In: 0.017+/-0.009 χ^2/NDF:47.9/39

Out: -0.008+/-0.009 χ^2/NDF:47.1/45

All: 0.004+/-0.006 χ^2/NDF: 98.7/85

asym_sam_3748_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.707+/-0.010 χ^2/NDF: 1284906.3/16

Left Out: 49.216+/-0.009 χ^2/NDF:4171670.0/24

Right Out: 33.775+/-0.009 χ^2/NDF: 2498740.9/20

Left In: 48.392+/-0.009 χ^2/NDF:3033240.8/22

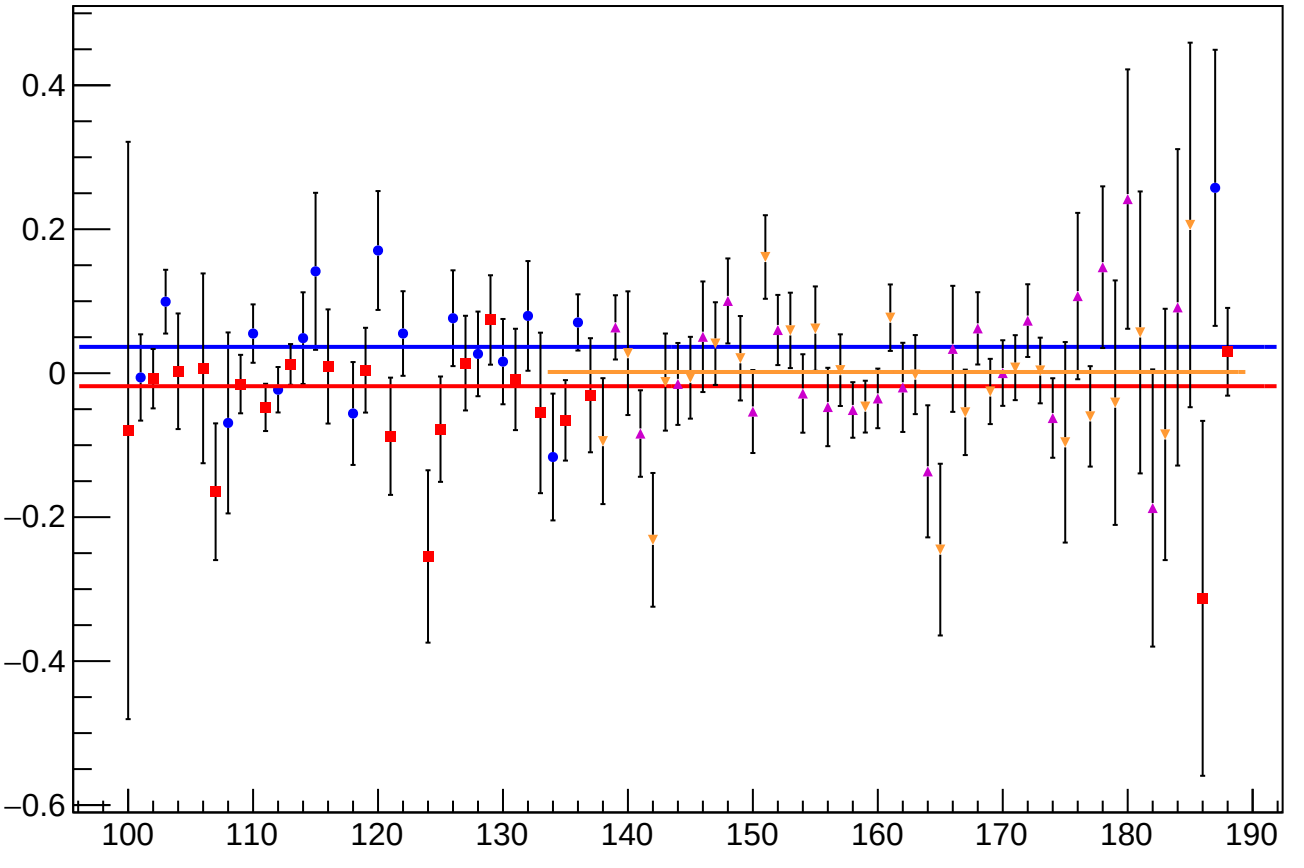
Left: 48.807+/-0.006 χ^2/NDF: 7209372.0/47

Right: 34.205+/-0.007 χ^2/NDF: 3788530.6/37

In: 42.322+/-0.007 χ^2/NDF:5403884.6/39

Out: 41.812+/-0.006 χ^2/NDF:8182539.3/45

All: 42.057+/-0.005 χ^2/NDF: 13589601.9/85



Right In: 0.037+/-0.014 χ^2/NDF: 18.3/16

Left Out: 0.002+/-0.012 χ^2/NDF:30.4/24

Right Out: -0.018+/-0.013 χ^2/NDF: 15.4/20

Left In: 0.002+/-0.012 χ^2/NDF:26.1/22

Left: 0.002+/-0.009 χ^2/NDF: 56.5/47

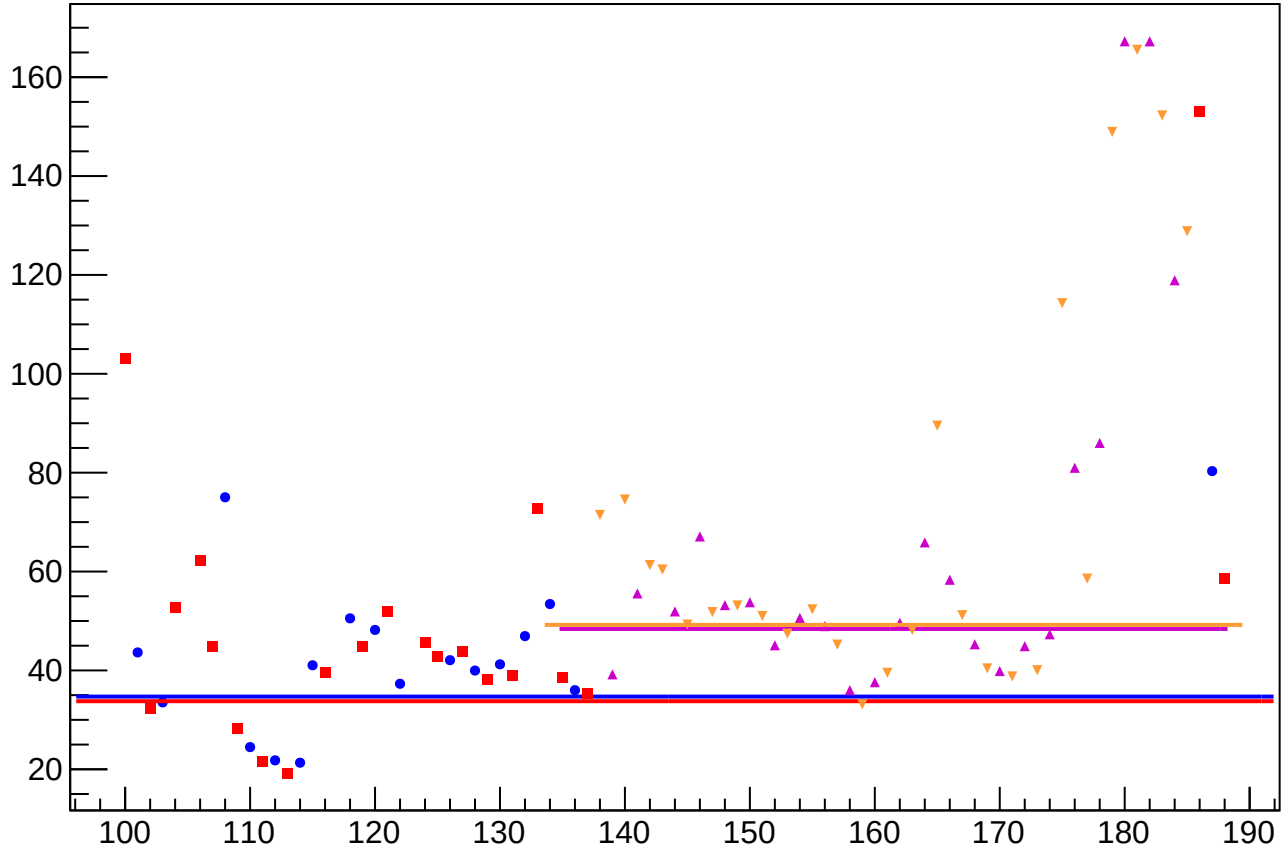
Right: 0.007+/-0.009 χ^2/NDF: 42.1/37

In: 0.017+/-0.009 χ^2/NDF:47.9/39

Out: -0.008+/-0.009 χ^2/NDF:47.1/45

All: 0.004+/-0.006 χ^2/NDF: 98.7/85

asym_sam_3748_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.707+/-0.010 χ^2/NDF: 1284906.3/16

Left Out: 49.216+/-0.009 χ^2/NDF:4171670.0/24

Right Out: 33.775+/-0.009 χ^2/NDF: 2498740.9/20

Left In: 48.392+/-0.009 χ^2/NDF:3033240.8/22

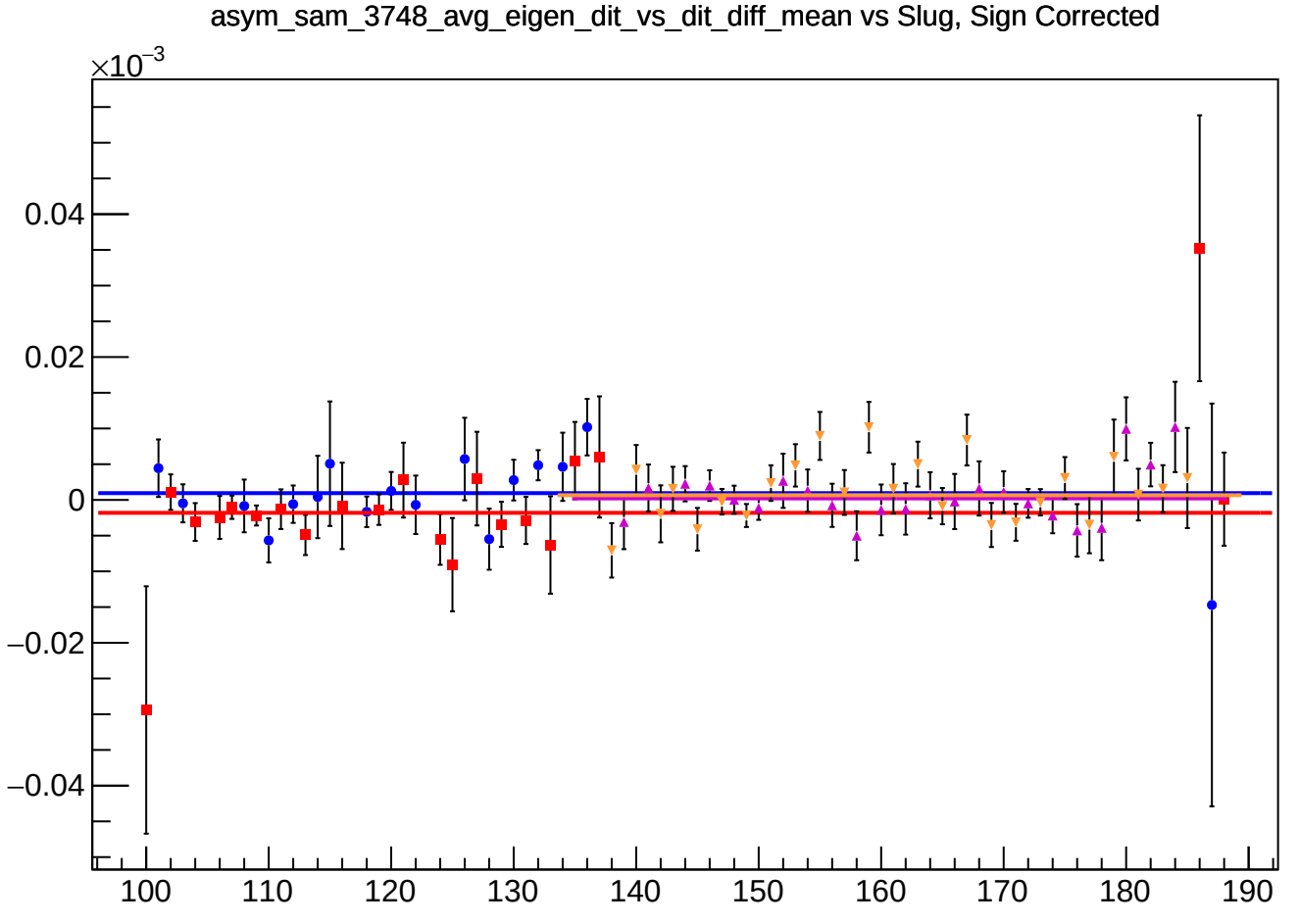
Left: 48.807+/-0.006 χ^2/NDF: 7209372.0/47

Right: 34.205+/-0.007 χ^2/NDF: 3788530.6/37

In: 42.322+/-0.007 χ^2/NDF:5403884.6/39

Out: 41.812+/-0.006 χ^2/NDF:8182539.3/45

All: 42.057+/-0.005 χ^2/NDF: 13589601.9/85



Right In: 0.000+/-0.000 χ^2/NDF: 21.2/16

Left Out: 0.000+/-0.000 χ^2/NDF:41.7/24

Right Out: -0.000+/-0.000 χ^2/NDF: 16.9/20

Left In: 0.000+/-0.000 χ^2/NDF:19.8/22

Left: 0.000+/-0.000 χ^2/NDF: 61.7/47

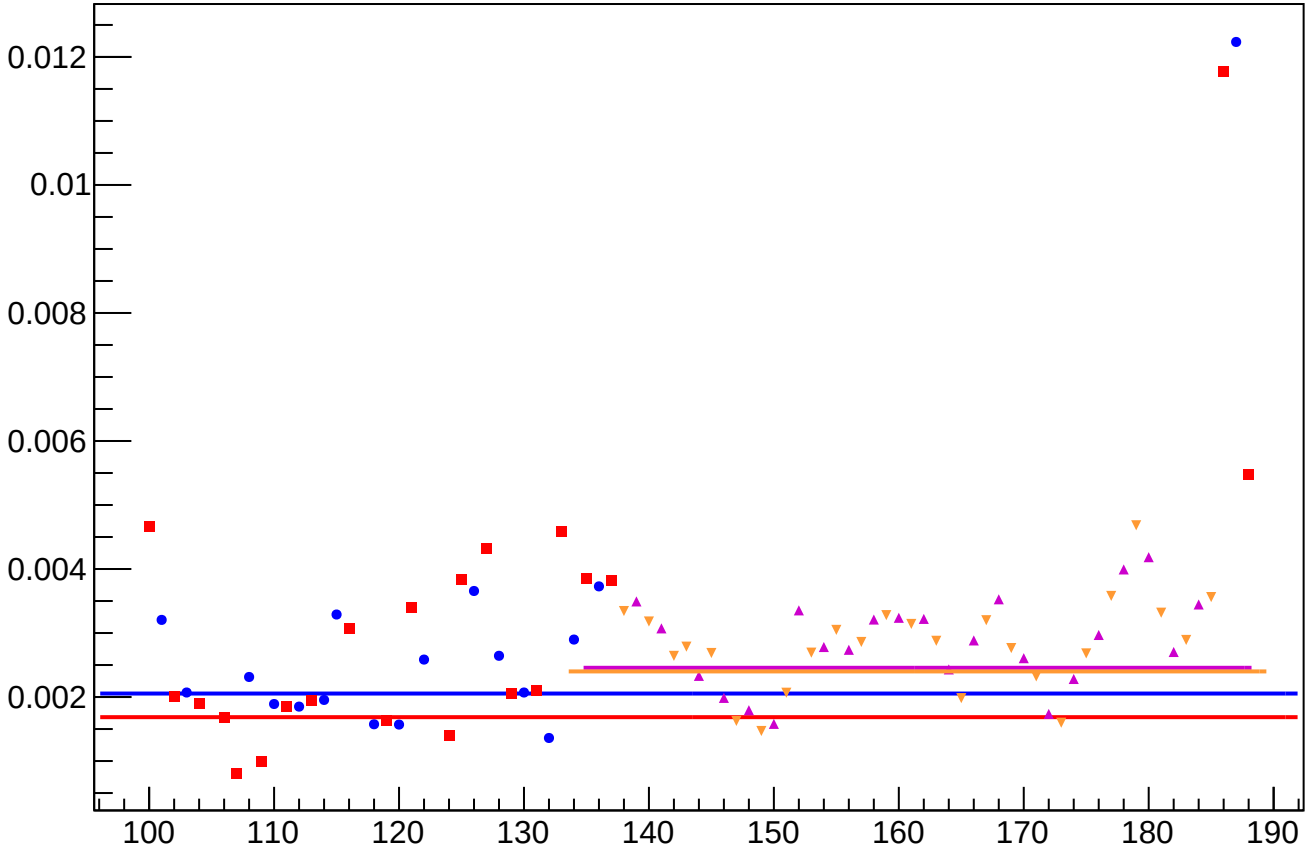
Right: -0.000+/-0.000 χ^2/NDF: 45.1/37

In: 0.000+/-0.000 χ^2/NDF:41.5/39

Out: -0.000+/-0.000 χ^2/NDF:66.5/45

All: -0.000+/-0.000 χ^2/NDF: 109.8/85

asym_sam_3748_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 1521503.1/16

Left Out: 0.002+/-0.000 χ^2/NDF:3123870.1/24

Right Out: 0.002+/-0.000 χ^2/NDF: 4202365.6/20

Left In: 0.002+/-0.000 χ^2/NDF:2629718.7/22

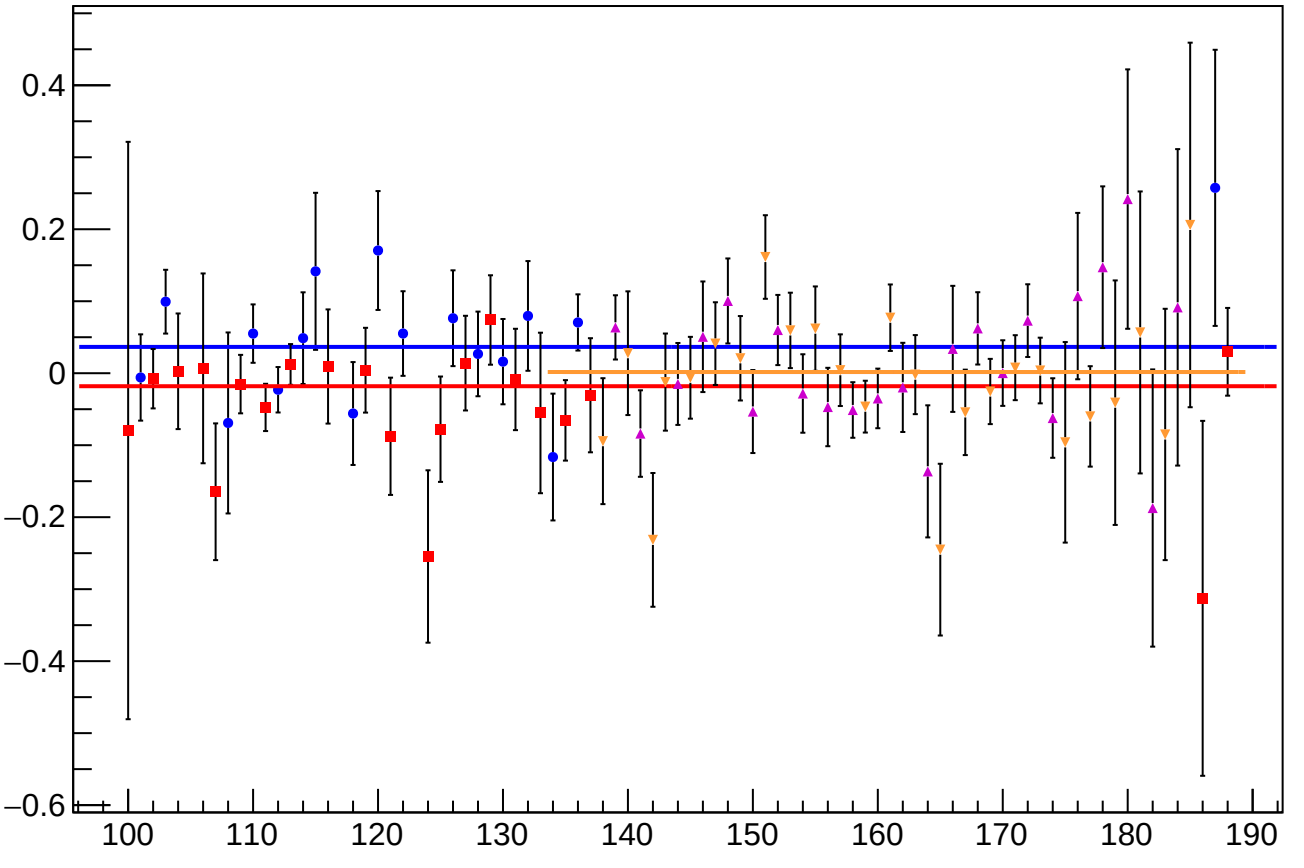
Left: 0.002+/-0.000 χ^2/NDF: 5762873.5/47

Right: 0.002+/-0.000 χ^2/NDF: 5972155.2/37

In: 0.002+/-0.000 χ^2/NDF:4469970.0/39

Out: 0.002+/-0.000 χ^2/NDF:8648839.4/45

All: 0.002+/-0.000 χ^2/NDF: 13342295.1/85



Right In: 0.037+/-0.014 χ^2/NDF: 18.3/16

Left Out: 0.002+/-0.012 χ^2/NDF:30.4/24

Right Out: -0.018+/-0.013 χ^2/NDF: 15.4/20

Left In: 0.002+/-0.012 χ^2/NDF:26.1/22

Left: 0.002+/-0.009 χ^2/NDF: 56.5/47

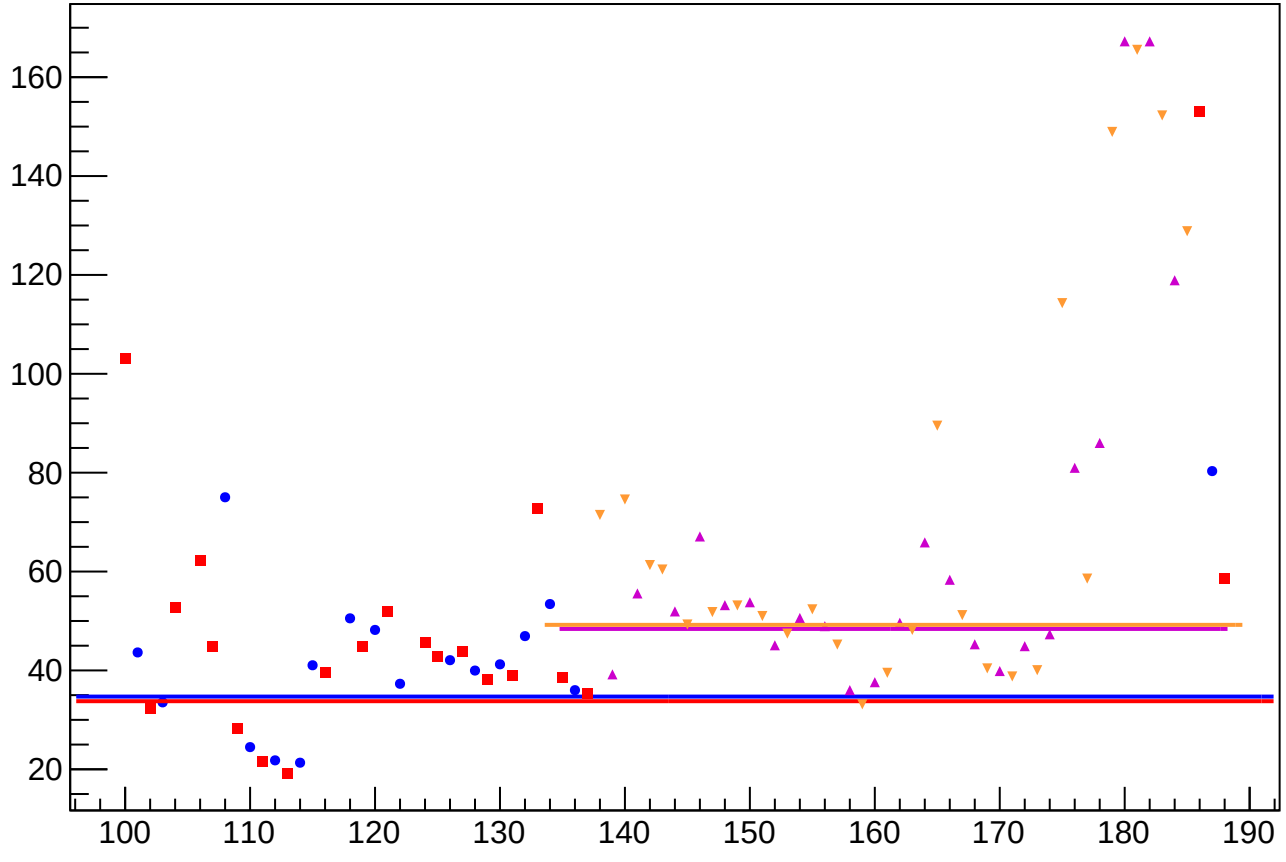
Right: 0.007+/-0.009 χ^2/NDF: 42.1/37

In: 0.017+/-0.009 χ^2/NDF:47.9/39

Out: -0.008+/-0.009 χ^2/NDF:47.1/45

All: 0.004+/-0.006 χ^2/NDF: 98.7/85

asym_sam_3748_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.708+/-0.010 χ^2/NDF: 1284869.9/16

Left Out: 49.217+/-0.009 χ^2/NDF:4171640.8/24

Right Out: 33.775+/-0.009 χ^2/NDF: 2498738.0/20

Left In: 48.393+/-0.009 χ^2/NDF:3033208.4/22

Left: 48.807+/-0.006 χ^2/NDF: 7209310.4/47

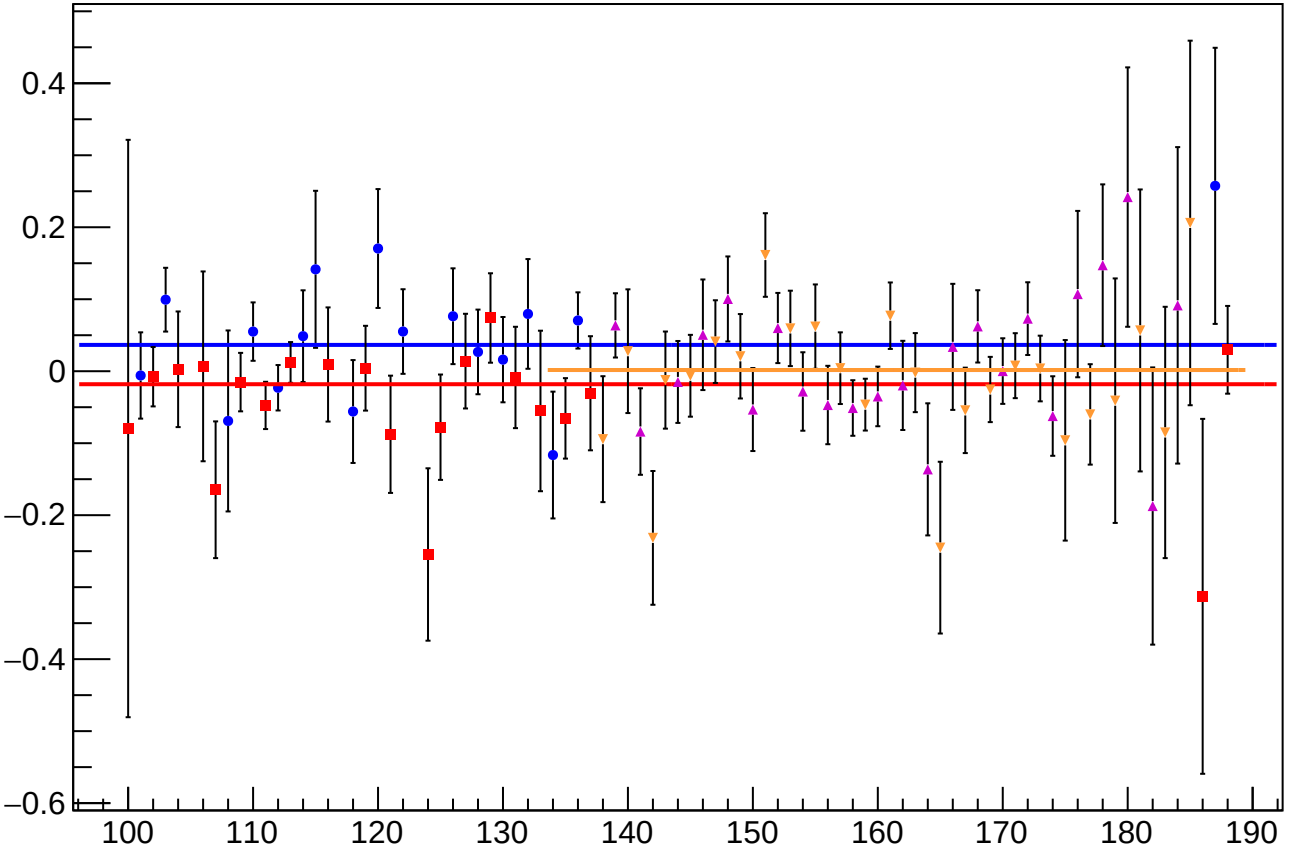
Right: 34.205+/-0.007 χ^2/NDF: 3788490.8/37

In: 42.322+/-0.007 χ^2/NDF:5403828.9/39

Out: 41.812+/-0.006 χ^2/NDF:8182508.7/45

All: 42.057+/-0.005 χ^2/NDF: 13589514.9/85

asym_sam_3748_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.037+/-0.014 χ^2/NDF: 18.3/16

Left Out: 0.002+/-0.012 χ^2/NDF:30.4/24

Right Out: -0.018+/-0.013 χ^2/NDF: 15.4/20

Left In: 0.002+/-0.012 χ^2/NDF:26.1/22

Left: 0.002+/-0.009 χ^2/NDF: 56.5/47

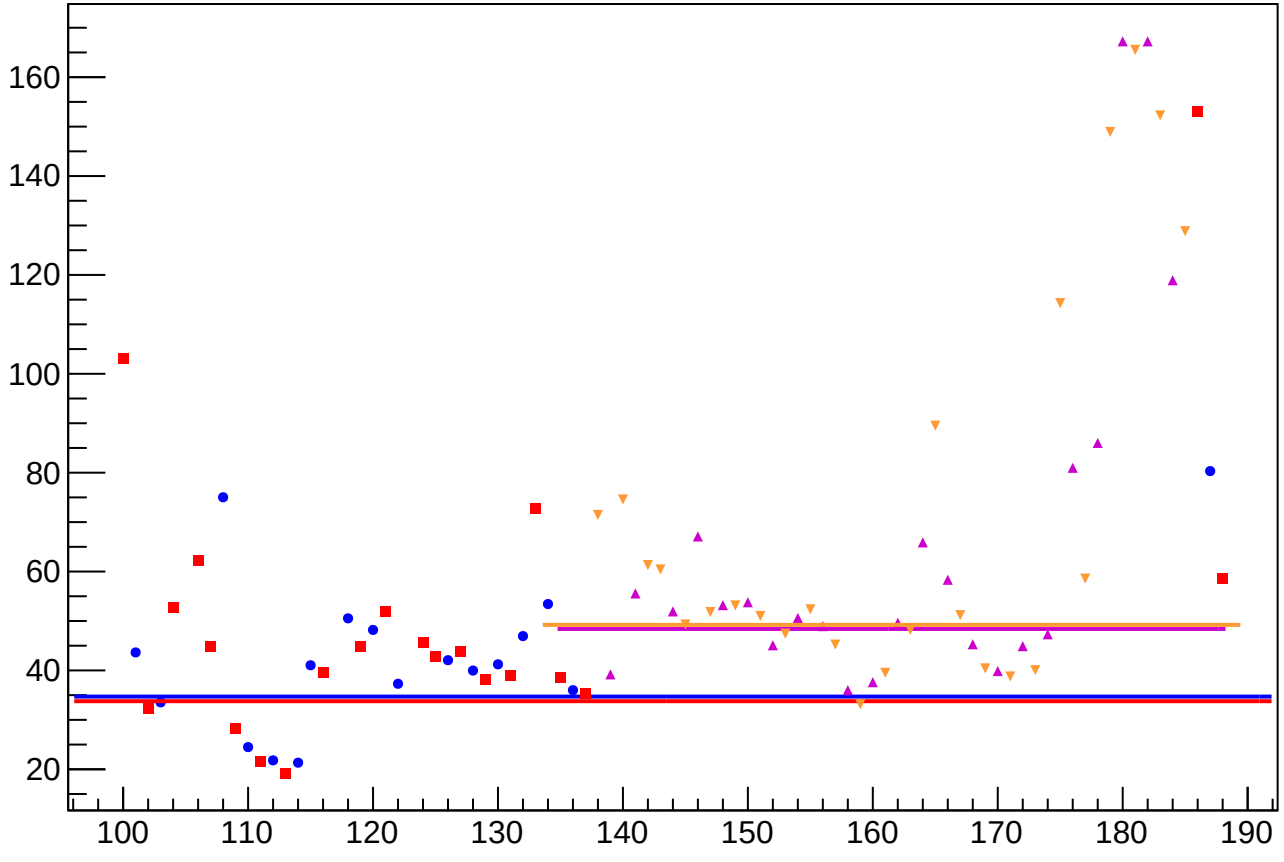
Right: 0.007+/-0.009 χ^2/NDF: 42.1/37

In: 0.017+/-0.009 χ^2/NDF:47.9/39

Out: -0.008+/-0.009 χ^2/NDF:47.1/45

All: 0.004+/-0.006 χ^2/NDF: 98.7/85

asym_sam_3748_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.708+/-0.010 χ^2/NDF: 1284869.9/16

Left Out: 49.217+/-0.009 χ^2/NDF:4171640.8/24

Right Out: 33.775+/-0.009 χ^2/NDF: 2498738.0/20

Left In: 48.393+/-0.009 χ^2/NDF:3033208.4/22

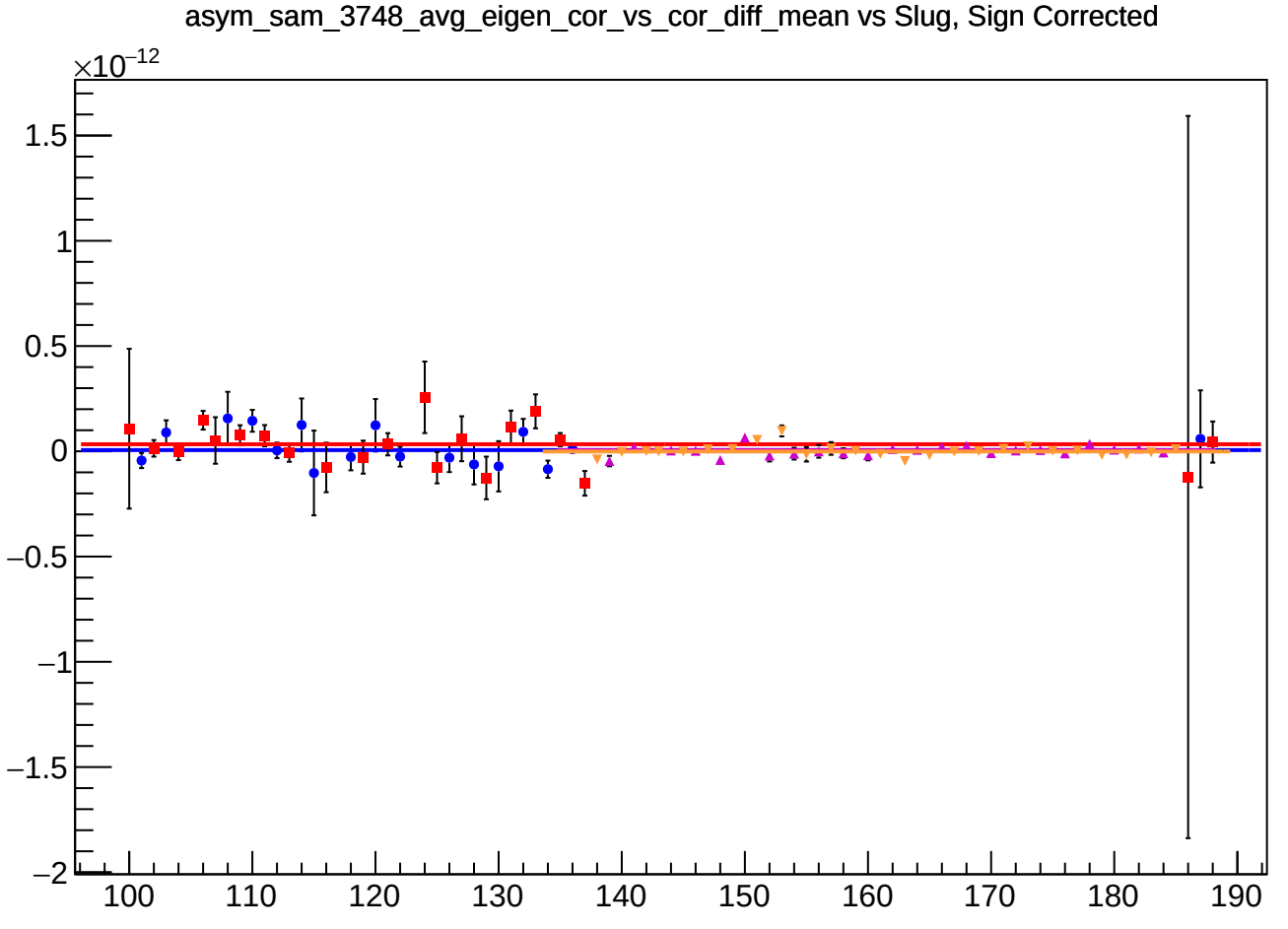
Left: 48.807+/-0.006 χ^2/NDF: 7209310.4/47

Right: 34.205+/-0.007 χ^2/NDF: 3788490.8/37

In: 42.322+/-0.007 χ^2/NDF:5403828.9/39

Out: 41.812+/-0.006 χ^2/NDF:8182508.7/45

All: 42.057+/-0.005 χ^2/NDF: 13589514.9/85



Right In: 0.000+/-0.000 χ^2/NDF: 23.6/16

Left Out: -0.000+/-0.000 χ^2/NDF:37.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 33.5/20

Left In: 0.000+/-0.000 χ^2/NDF:28.4/22

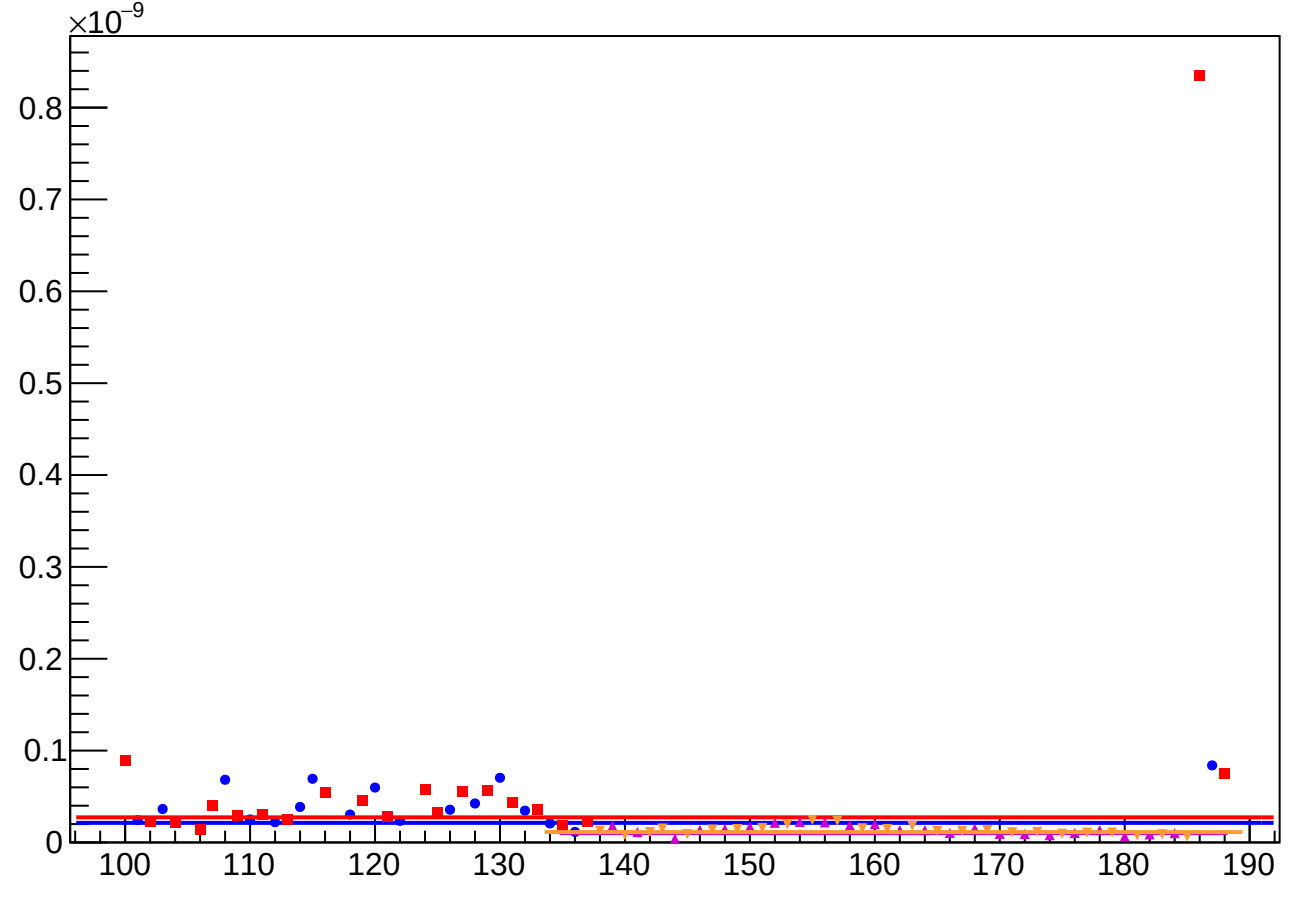
Left: 0.000+/-0.000 χ^2/NDF: 67.2/47

Right: 0.000+/-0.000 χ^2/NDF: 59.7/37

In: 0.000+/-0.000 χ^2/NDF:52.1/39

Out: 0.000+/-0.000 χ^2/NDF:77.1/45

All: 0.000+/-0.000 χ^2/NDF: 130.0/85



Right In: 0.000+/-0.000 χ^2/NDF: 2229178.3/16

Left Out: 0.000+/-0.000 χ^2/NDF:2206266.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2137505.6/20

Left In: 0.000+/-0.000 χ^2/NDF:4024430.8/22

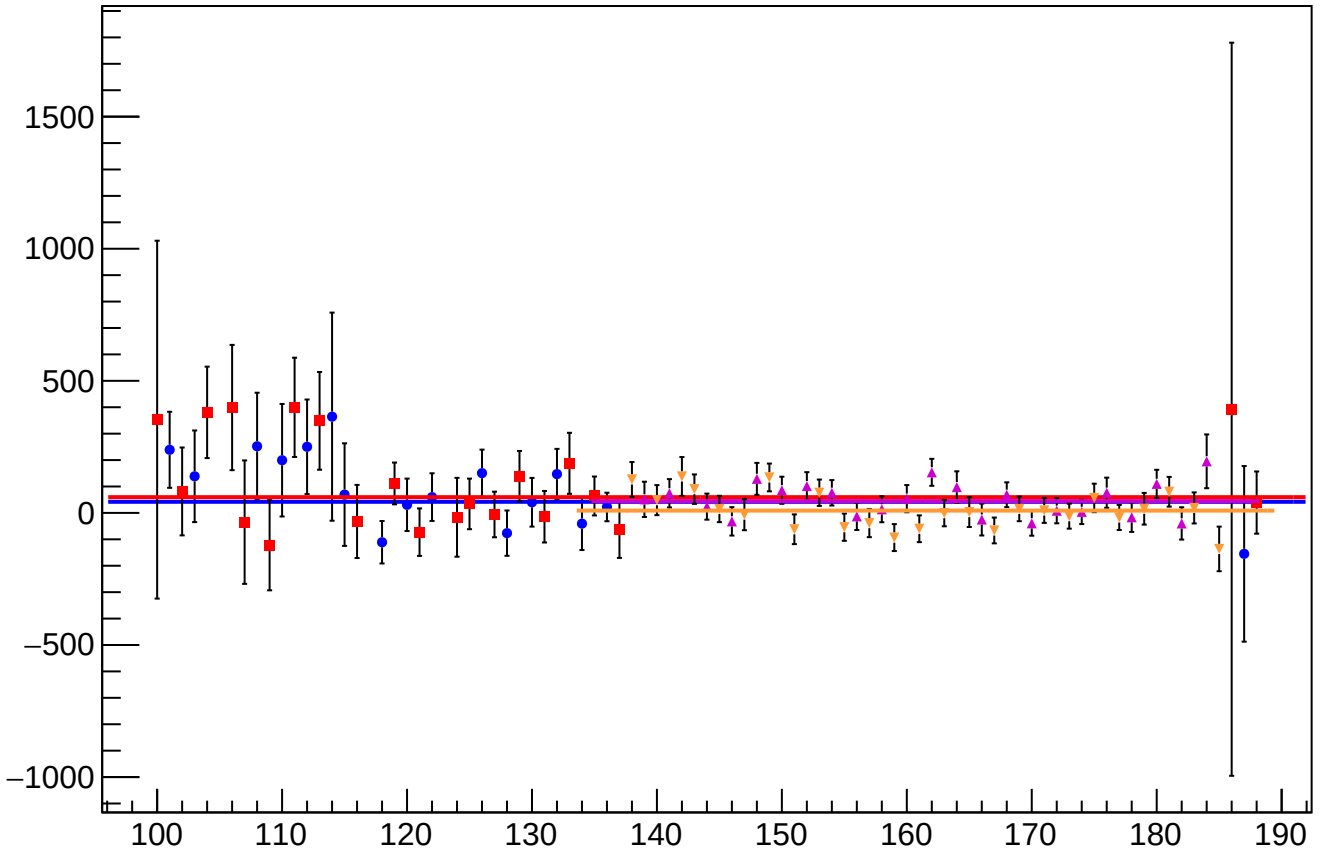
Left: 0.000+/-0.000 χ^2/NDF: 6357070.7/47

Right: 0.000+/-0.000 χ^2/NDF: 4609097.4/37

In: 0.000+/-0.000 χ^2/NDF:8040112.7/39

Out: 0.000+/-0.000 χ^2/NDF:7235243.5/45

All: 0.000+/-0.000 χ^2/NDF: 15451389.1/85



Right In: 42.061+/-25.703 χ^2/NDF: 15.3/16

Left Out: 8.756+/-10.770 χ^2/NDF:34.6/24

Right Out: 59.636+/-26.214 χ^2/NDF: 20.5/20

Left In: 44.541+/-11.149 χ^2/NDF:27.0/22

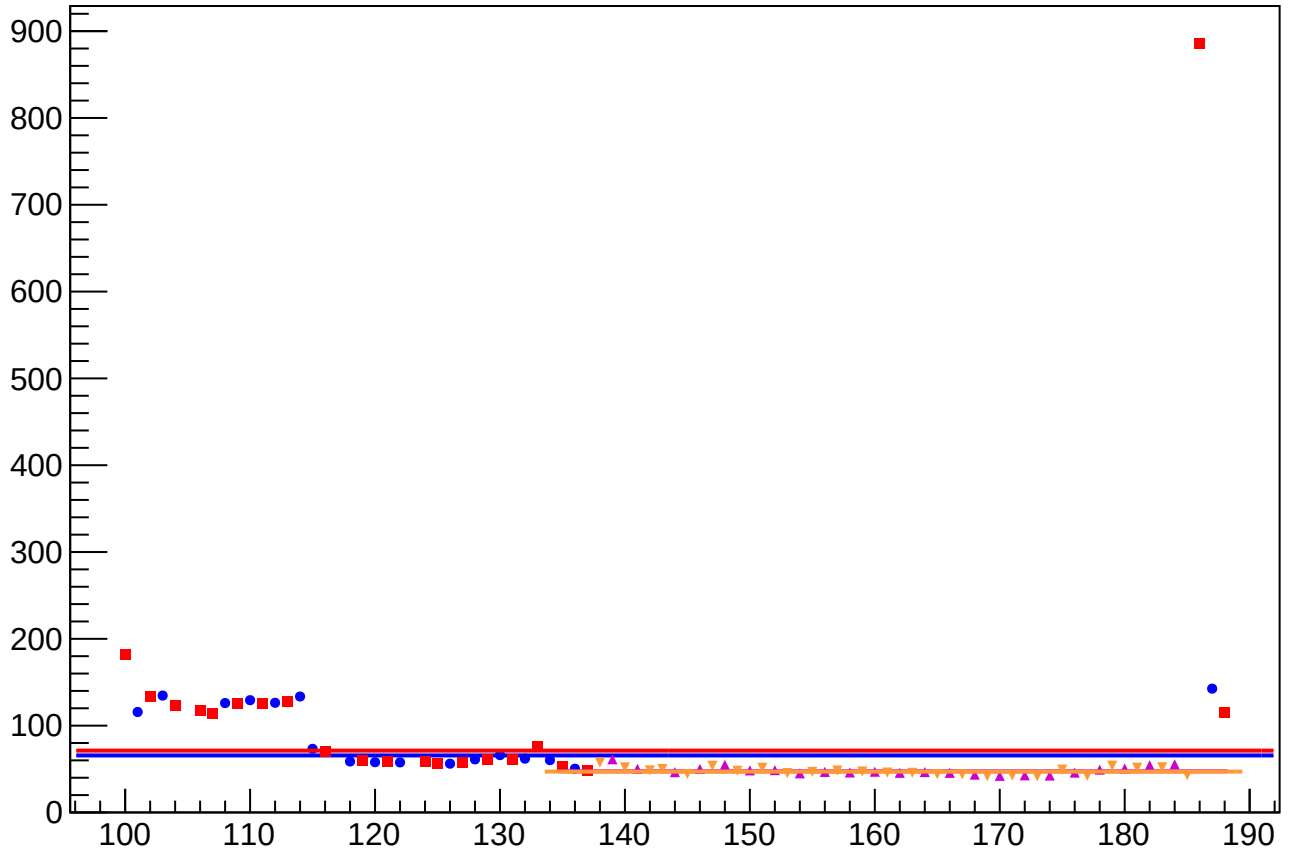
Left: 26.030+/-7.746 χ^2/NDF: 66.9/47

Right: 50.676+/-18.353 χ^2/NDF: 36.0/37

In: 44.149+/-10.228 χ^2/NDF:42.3/39

Out: 16.103+/-9.962 χ^2/NDF:58.3/45

All: 29.756+/-7.136 χ^2/NDF: 104.5/85



Right In: 65.675+/-0.018 χ^2/NDF: 1554258.2/16

Left Out: 47.064+/-0.008 χ^2/NDF:287590.7/24

Right Out: 71.231+/-0.019 χ^2/NDF: 2620829.2/20

Left In: 47.384+/-0.008 χ^2/NDF:271036.5/22

Left: 47.218+/-0.005 χ^2/NDF: 559476.9/47

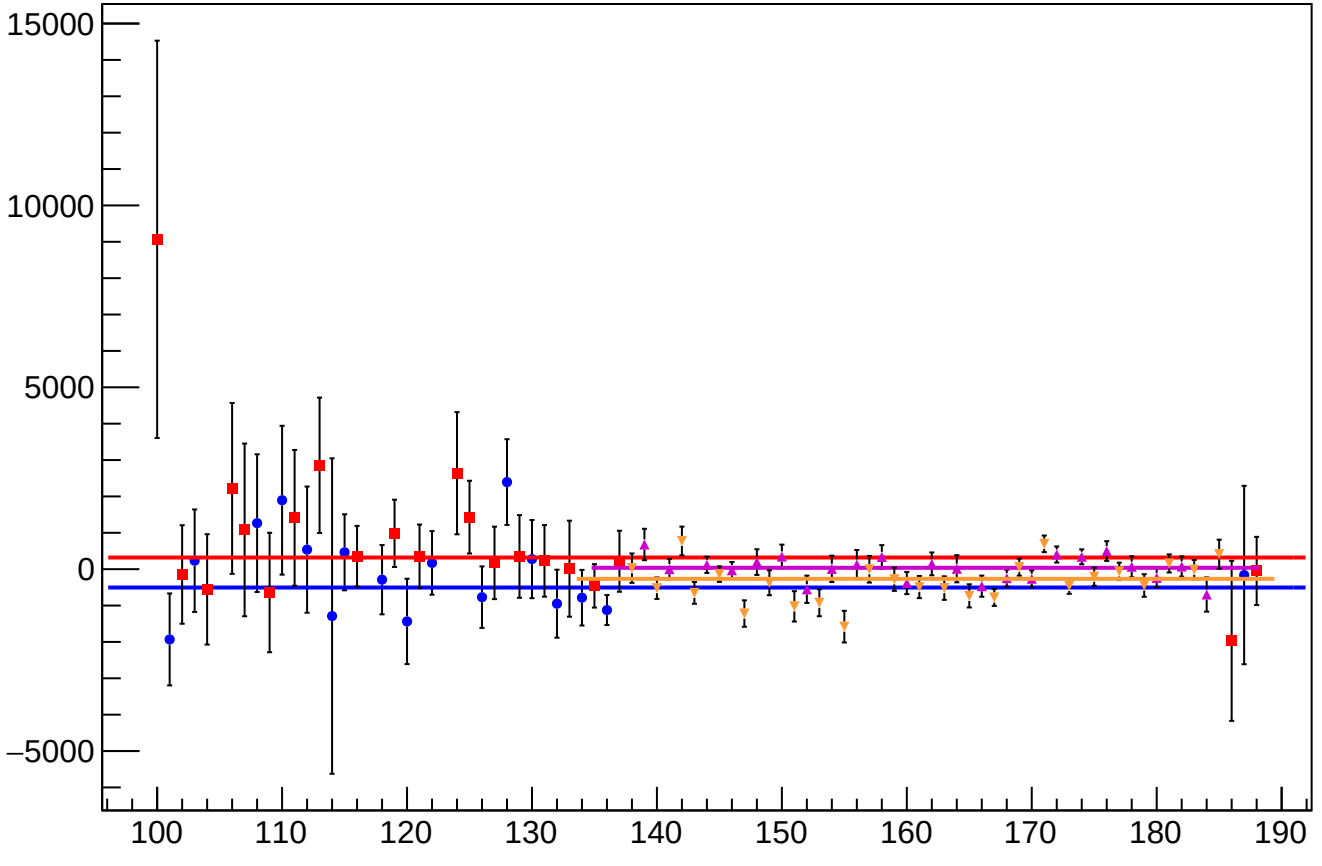
Right: 68.398+/-0.013 χ^2/NDF: 4220884.1/37

In: 50.280+/-0.007 χ^2/NDF:2677782.0/39

Out: 50.554+/-0.007 χ^2/NDF:4362733.5/45

All: 50.421+/-0.005 χ^2/NDF: 7041252.4/85

asym_sam_1526_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -504.717+/-235.846 χ^2/NDF: 15.6/16

Left Out: -265.684+/-58.031 χ^2/NDF:69.8/24

Right Out: 320.191+/-245.778 χ^2/NDF: 13.0/20

Left In: 37.530+/-59.159 χ^2/NDF:26.6/22

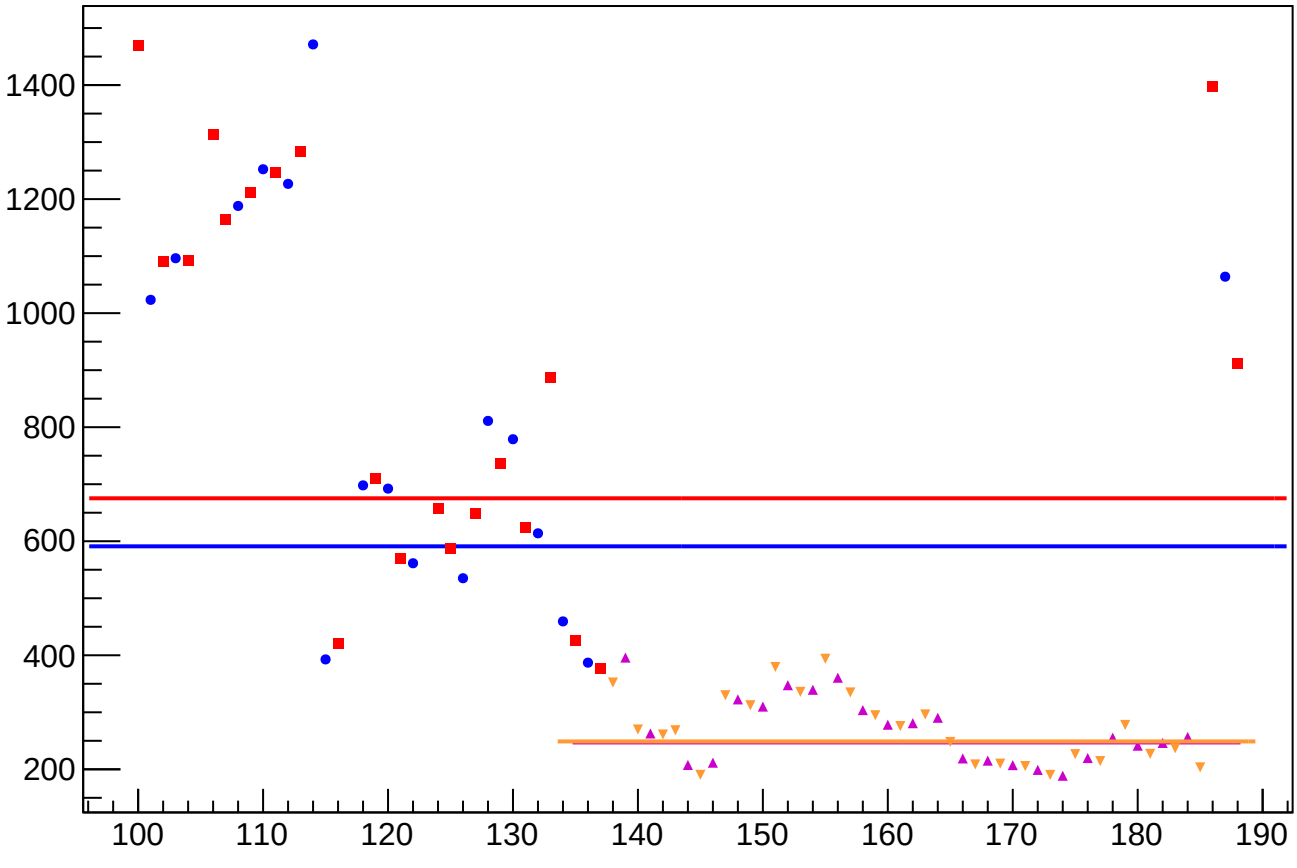
Left: -116.996+/-41.427 χ^2/NDF: 109.8/47

Right: -109.267+/-170.171 χ^2/NDF: 34.5/37

In: 5.431+/-57.382 χ^2/NDF:47.2/39

Out: -234.747+/-56.478 χ^2/NDF:88.2/45

All: -116.564+/-40.252 χ^2/NDF: 144.3/85



Right In: 591.060+/-0.167 χ^2/NDF: 2128199.7/16

Left Out: 248.891+/-0.041 χ^2/NDF:1663709.5/24

Right Out: 675.288+/-0.174 χ^2/NDF: 2472533.3/20

Left In: 247.109+/-0.042 χ^2/NDF:1484450.6/22

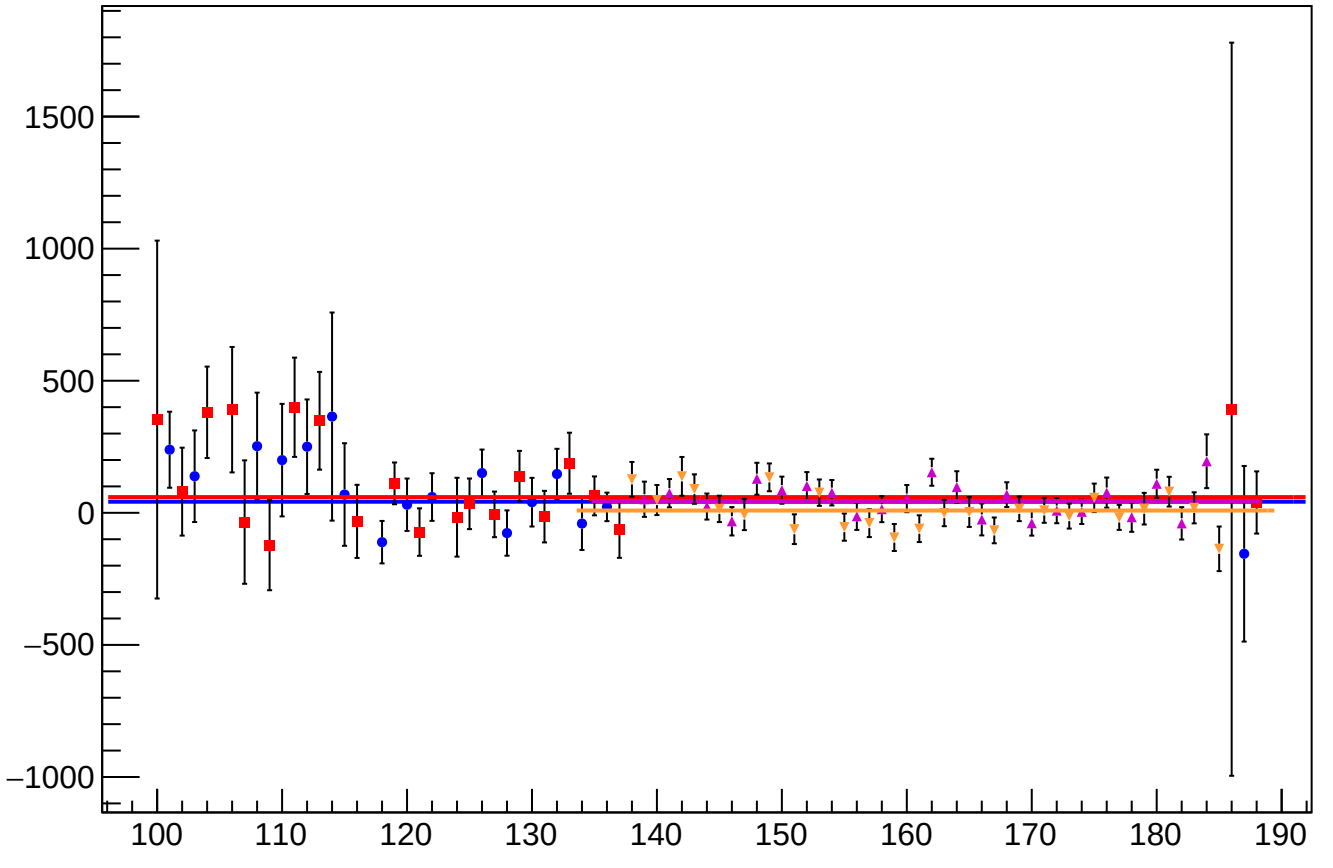
Left: 248.017+/-0.029 χ^2/NDF: 3149084.7/47

Right: 631.438+/-0.120 χ^2/NDF: 4723019.1/37

In: 267.470+/-0.041 χ^2/NDF:7614525.4/39

Out: 271.407+/-0.040 χ^2/NDF:9838037.4/45

All: 269.469+/-0.028 χ^2/NDF: 17457345.9/85



Right In: 42.054+/-25.703 χ^2/NDF: 15.3/16

Left Out: 8.758+/-10.770 χ^2/NDF:34.6/24

Right Out: 59.493+/-26.215 χ^2/NDF: 20.4/20

Left In: 44.540+/-11.149 χ^2/NDF:27.0/22

Left: 26.030+/-7.746 χ^2/NDF: 66.9/47

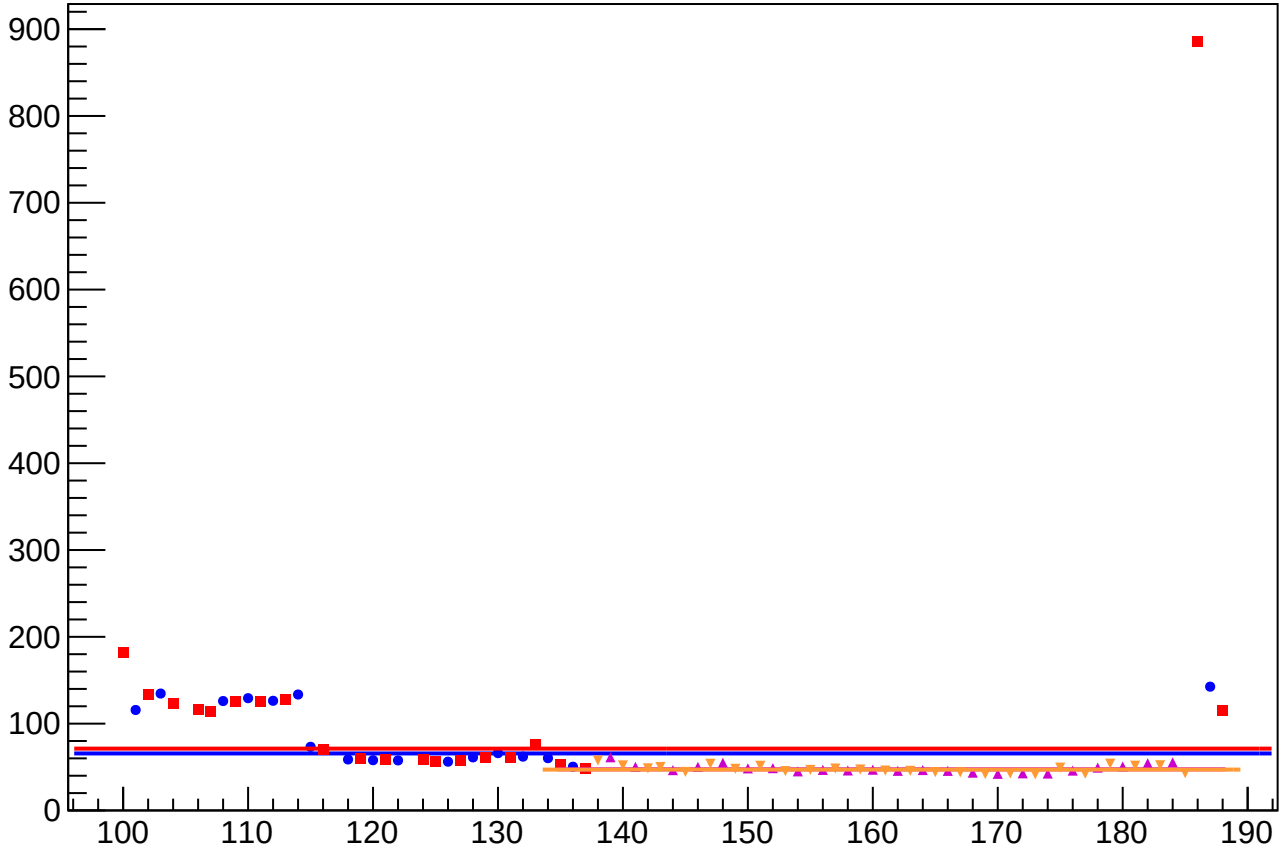
Right: 50.602+/-18.353 χ^2/NDF: 35.9/37

In: 44.146+/-10.228 χ^2/NDF:42.3/39

Out: 16.084+/-9.962 χ^2/NDF:58.2/45

All: 29.745+/-7.136 χ^2/NDF: 104.4/85

cor_asym_sam_1526_avg_rms vs Slug, Sign Corrected



Right In: 65.675+/-0.018 χ^2/NDF: 1554260.5/16

Left Out: 47.064+/-0.008 χ^2/NDF:287590.7/24

Right Out: 71.217+/-0.019 χ^2/NDF: 2617691.4/20

Left In: 47.384+/-0.008 χ^2/NDF:271036.5/22

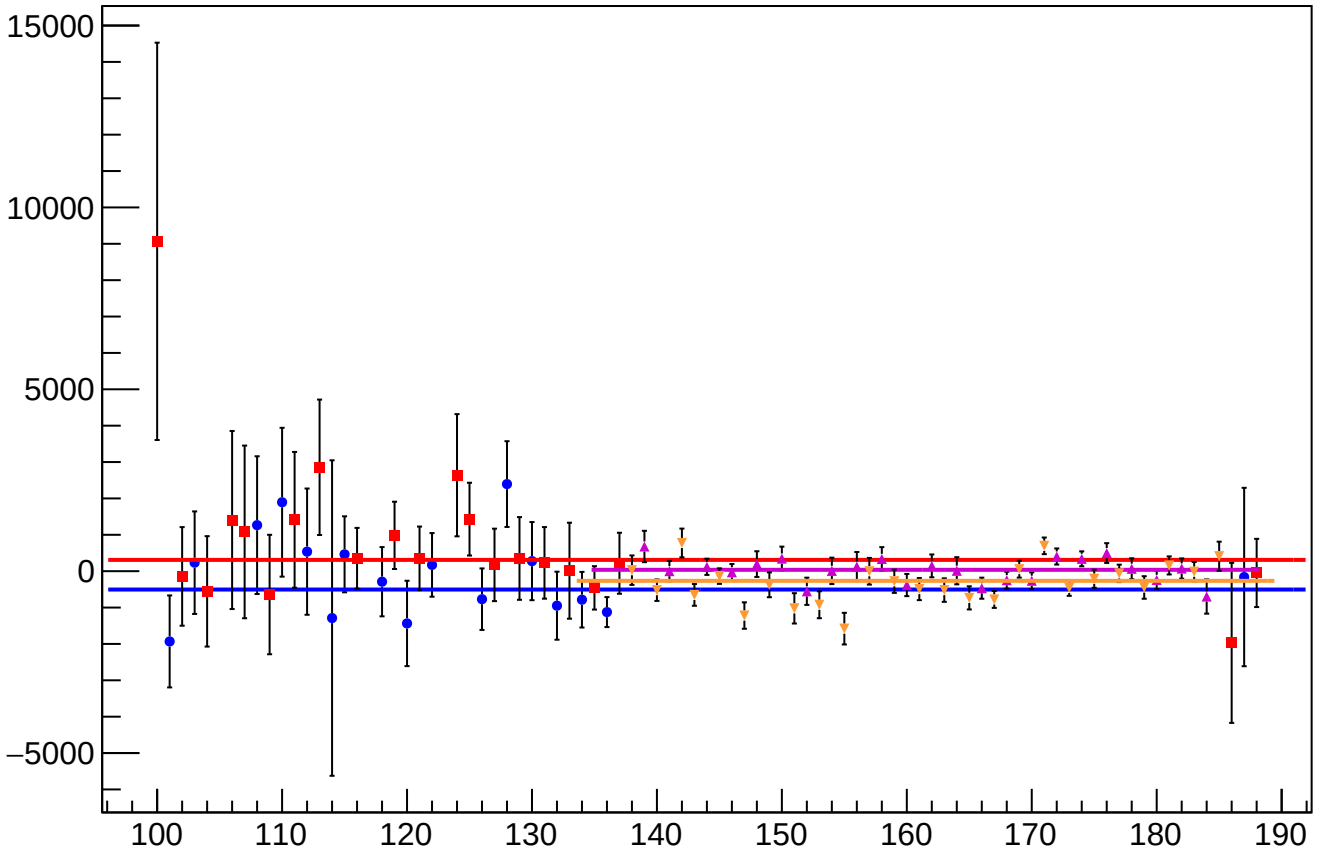
Left: 47.218+/-0.005 χ^2/NDF: 559476.9/47

Right: 68.392+/-0.013 χ^2/NDF: 4217524.1/37

In: 50.280+/-0.007 χ^2/NDF:2677784.0/39

Out: 50.552+/-0.007 χ^2/NDF:4357896.0/45

All: 50.419+/-0.005 χ^2/NDF: 7036405.5/85



Right In: -504.700+/-235.847 χ^2/NDF: 15.7/16

Left Out: -265.680+/-58.031 χ^2/NDF:69.8/24

Right Out: 310.435+/-245.890 χ^2/NDF: 12.6/20

Left In: 37.527+/-59.159 χ^2/NDF:26.6/22

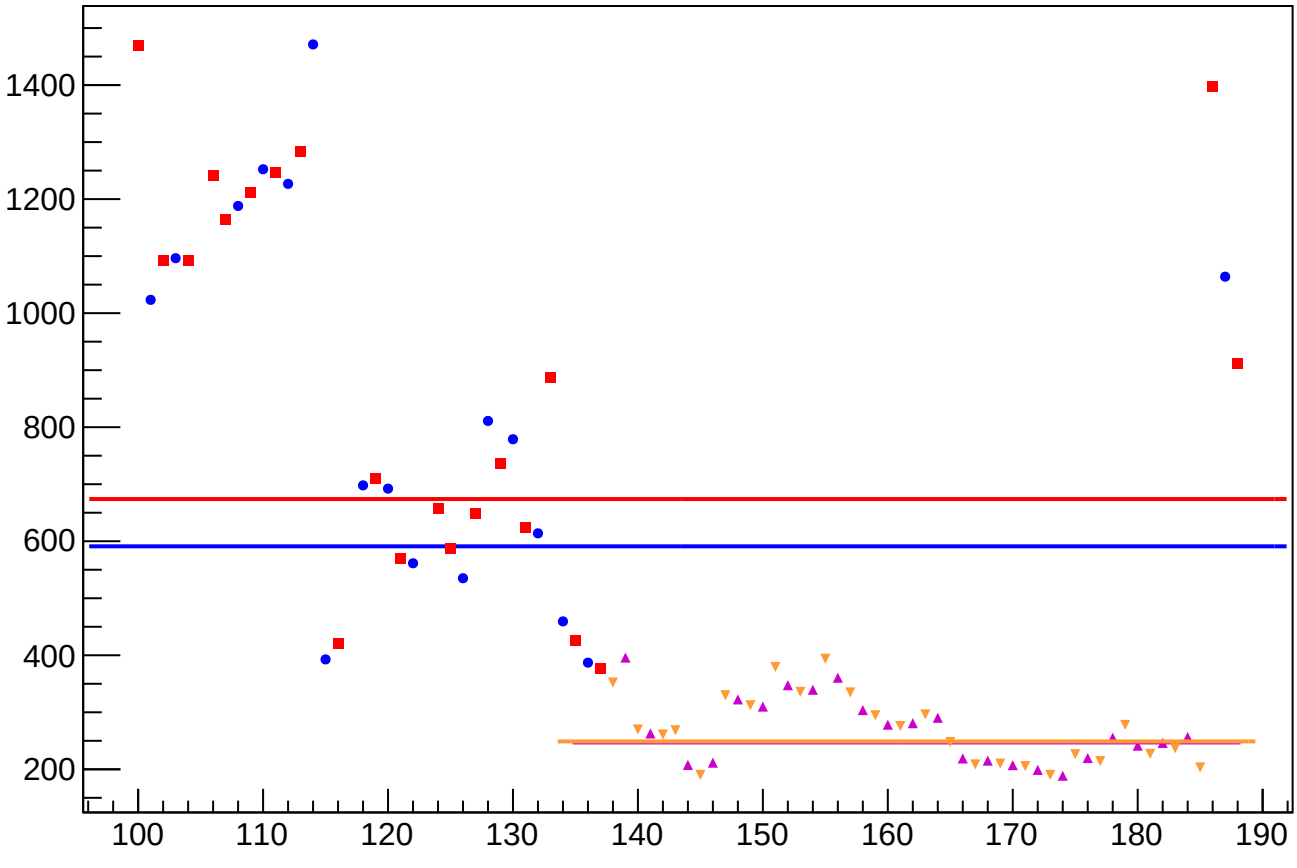
Left: -116.996+/-41.427 χ^2/NDF: 109.8/47

Right: -114.119+/-170.209 χ^2/NDF: 33.9/37

In: 5.429+/-57.382 χ^2/NDF:47.2/39

Out: -235.284+/-56.480 χ^2/NDF:87.6/45

All: -116.835+/-40.252 χ^2/NDF: 143.7/85



Right In: 591.059+/-0.167 χ^2/NDF: 2128236.0/16

Left Out: 248.891+/-0.041 χ^2/NDF:1663717.9/24

Right Out: 674.019+/-0.174 χ^2/NDF: 2432421.7/20

Left In: 247.109+/-0.042 χ^2/NDF:1484445.1/22

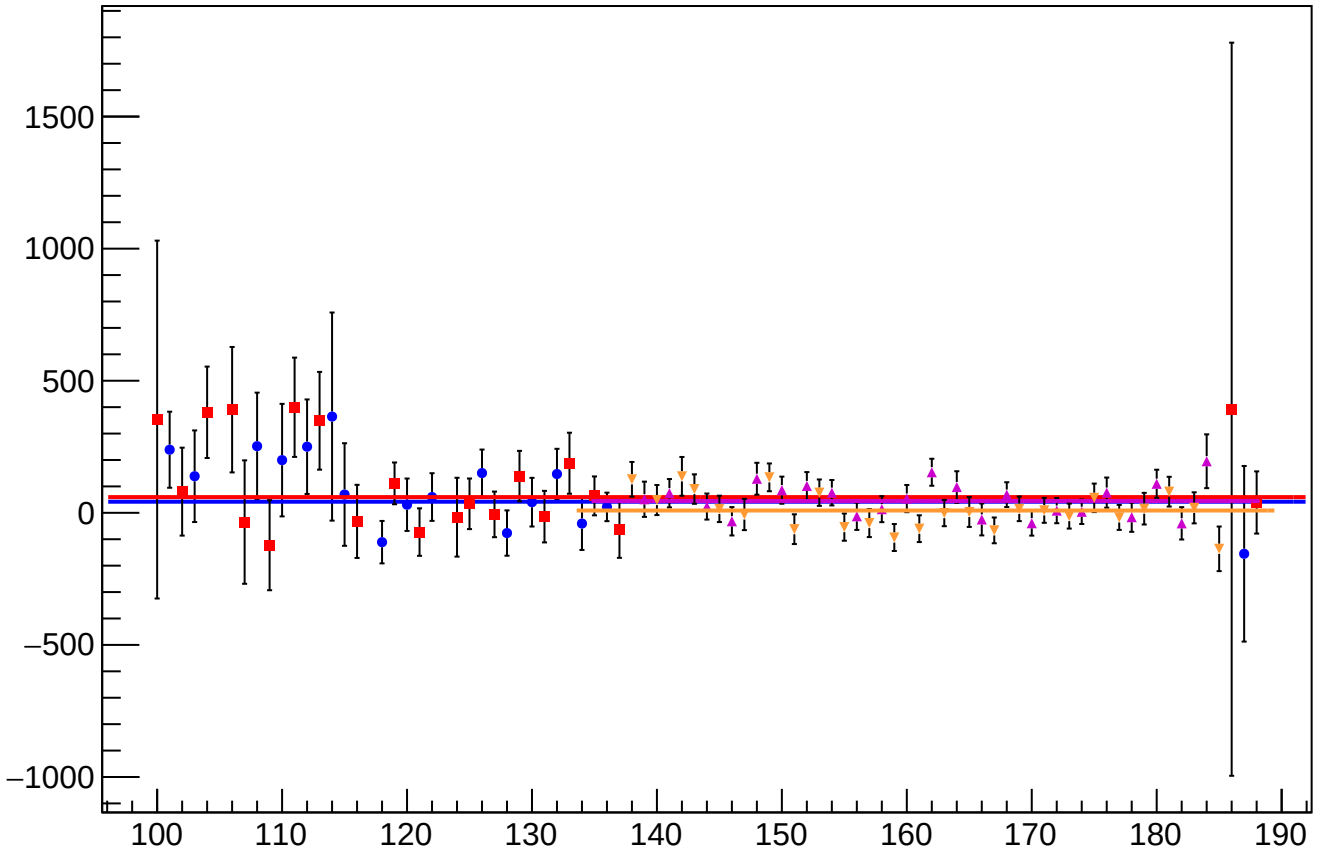
Left: 248.017+/-0.029 χ^2/NDF: 3149087.2/47

Right: 630.811+/-0.120 χ^2/NDF: 4679232.1/37

In: 267.470+/-0.041 χ^2/NDF:7614535.9/39

Out: 271.320+/-0.040 χ^2/NDF:9759180.8/45

All: 269.425+/-0.028 χ^2/NDF: 17378291.7/85



Right In: 42.054+/-25.703 χ^2/NDF: 15.3/16

Left Out: 8.758+/-10.770 χ^2/NDF:34.6/24

Right Out: 59.493+/-26.215 χ^2/NDF: 20.4/20

Left In: 44.540+/-11.149 χ^2/NDF:27.0/22

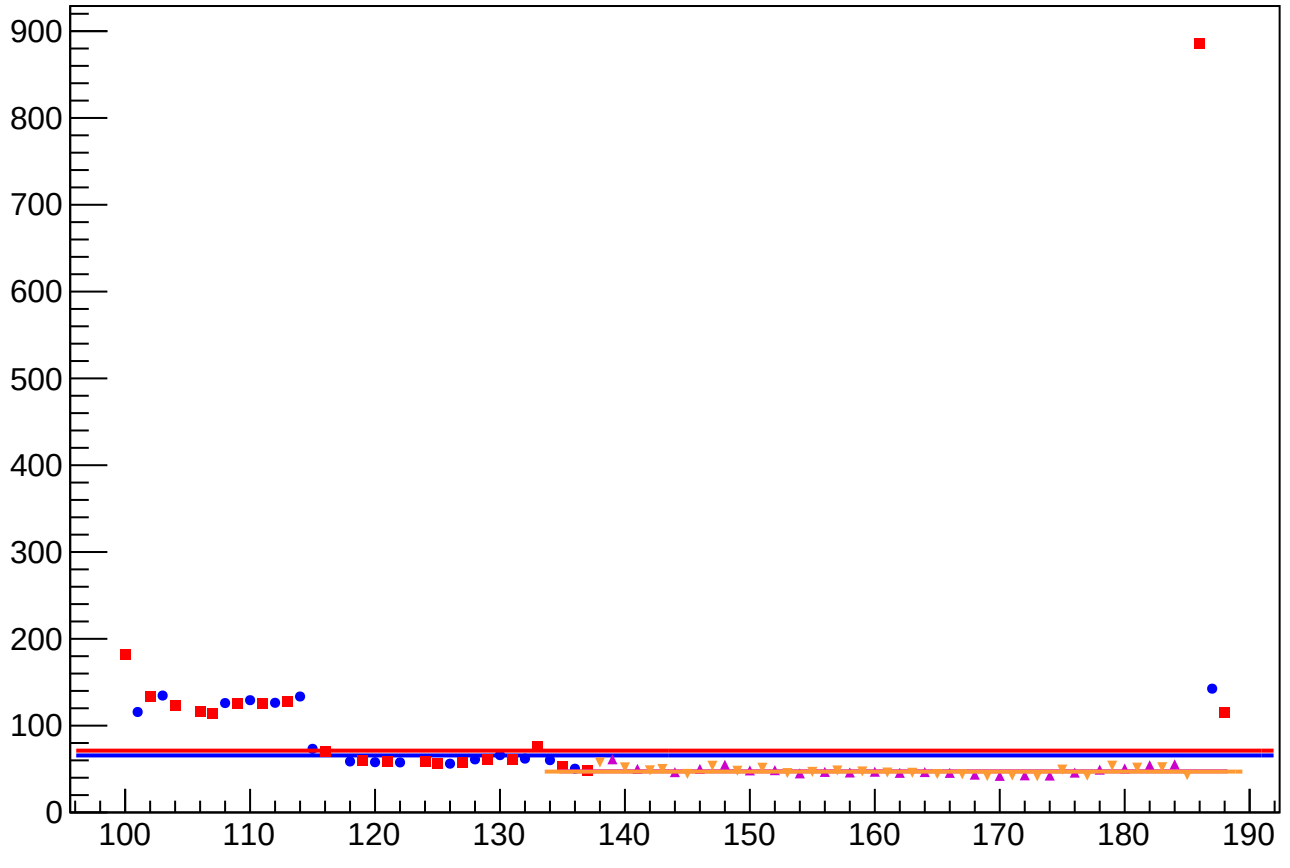
Left: 26.030+/-7.746 χ^2/NDF: 66.9/47

Right: 50.602+/-18.353 χ^2/NDF: 35.9/37

In: 44.146+/-10.228 χ^2/NDF:42.3/39

Out: 16.084+/-9.962 χ^2/NDF:58.2/45

All: 29.745+/-7.136 χ^2/NDF: 104.4/85



Right In: 65.675+/-0.018 χ^2/NDF: 1554260.5/16

Left Out: 47.064+/-0.008 χ^2/NDF:287590.7/24

Right Out: 71.217+/-0.019 χ^2/NDF: 2617691.4/20

Left In: 47.384+/-0.008 χ^2/NDF:271036.5/22

Left: 47.218+/-0.005 χ^2/NDF: 559476.9/47

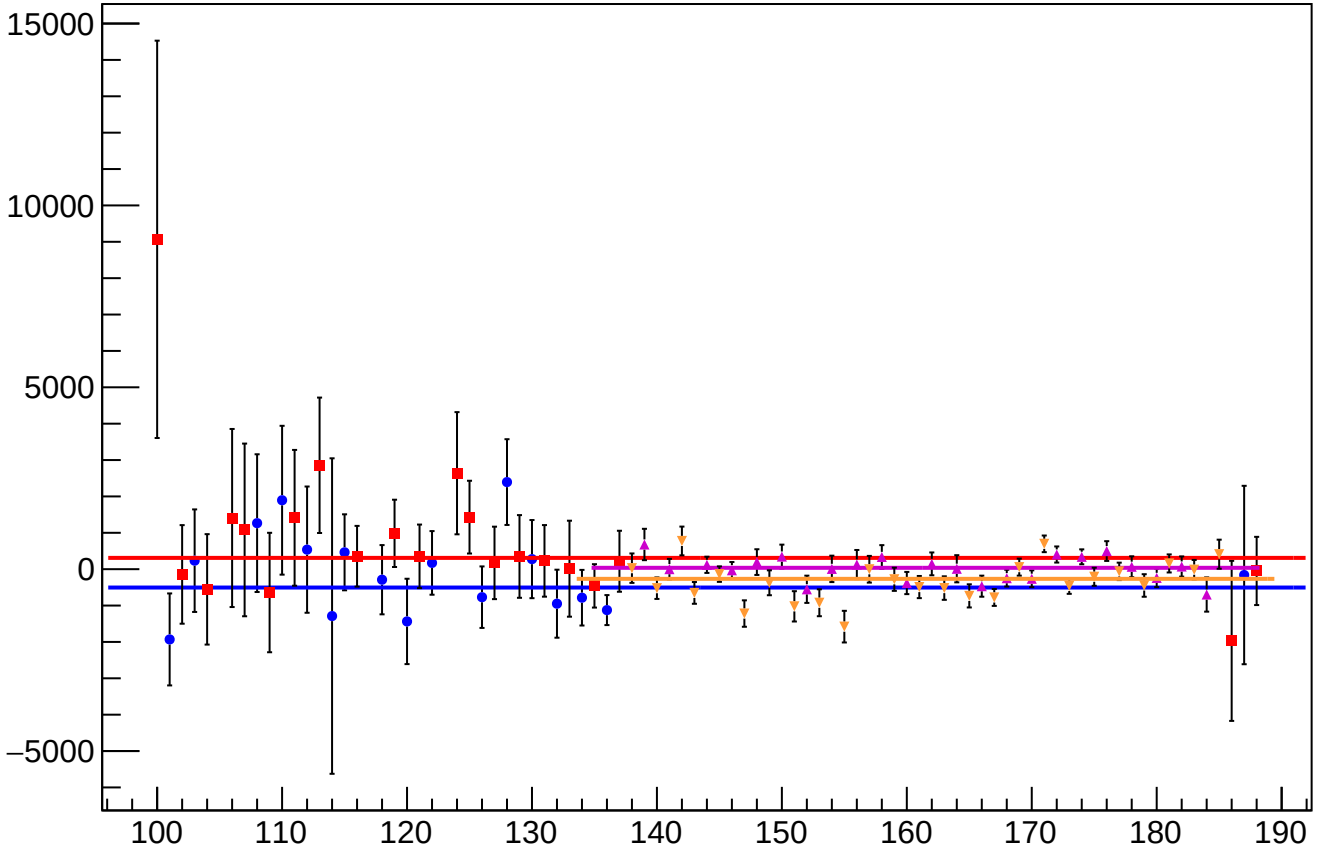
Right: 68.392+/-0.013 χ^2/NDF: 4217524.1/37

In: 50.280+/-0.007 χ^2/NDF:2677784.0/39

Out: 50.552+/-0.007 χ^2/NDF:4357896.0/45

All: 50.419+/-0.005 χ^2/NDF: 7036405.5/85

asym_sam_1526_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -504.700+/-235.847 χ^2/NDF: 15.7/16

Left Out: -265.680+/-58.031 χ^2/NDF:69.8/24

Right Out: 310.435+/-245.890 χ^2/NDF: 12.6/20

Left In: 37.527+/-59.159 χ^2/NDF:26.6/22

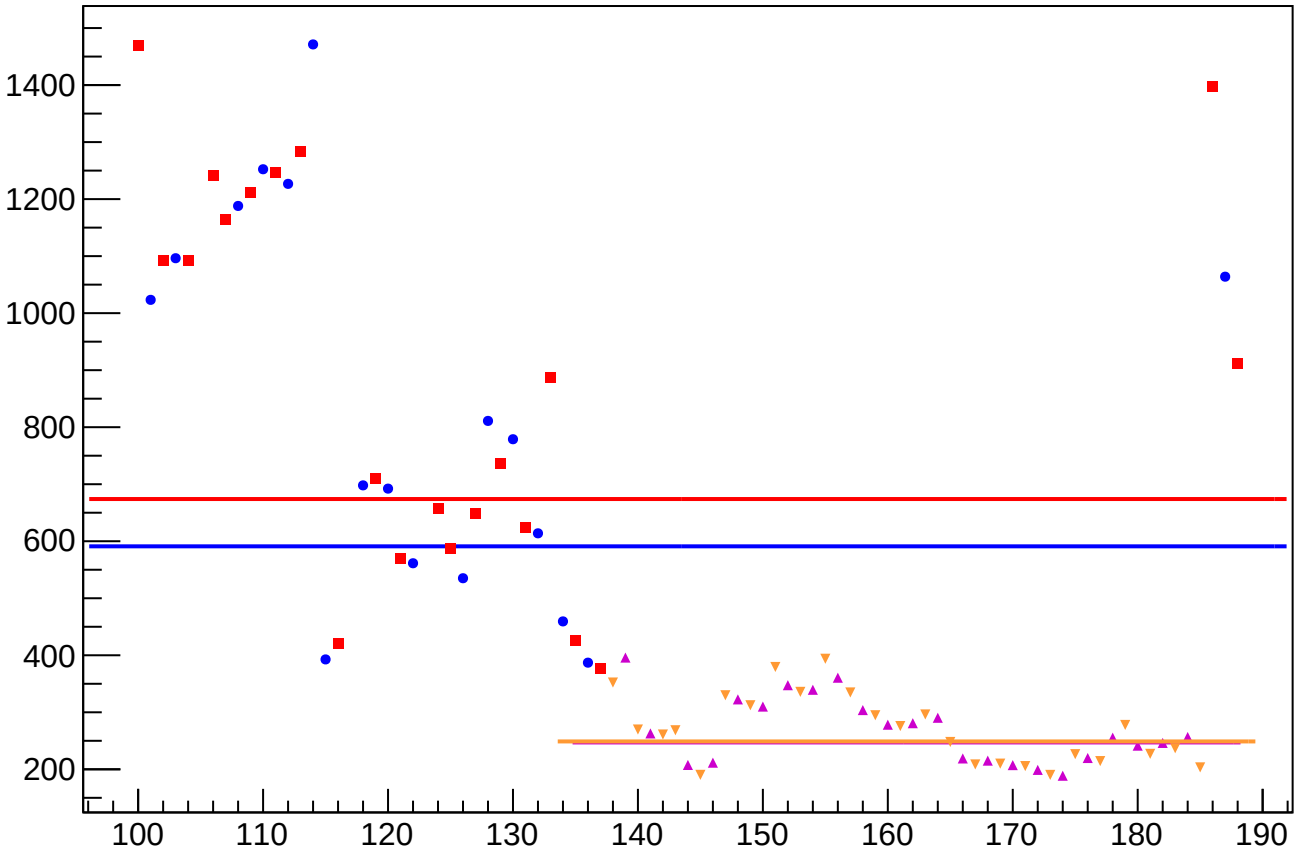
Left: -116.996+/-41.427 χ^2/NDF: 109.8/47

Right: -114.119+/-170.209 χ^2/NDF: 33.9/37

In: 5.429+/-57.382 χ^2/NDF:47.2/39

Out: -235.284+/-56.480 χ^2/NDF:87.6/45

All: -116.835+/-40.252 χ^2/NDF: 143.7/85



Right In: 591.059+/-0.167 χ^2/NDF: 2128236.0/16

Left Out: 248.891+/-0.041 χ^2/NDF:1663717.9/24

Right Out: 674.019+/-0.174 χ^2/NDF: 2432421.7/20

Left In: 247.109+/-0.042 χ^2/NDF:1484445.1/22

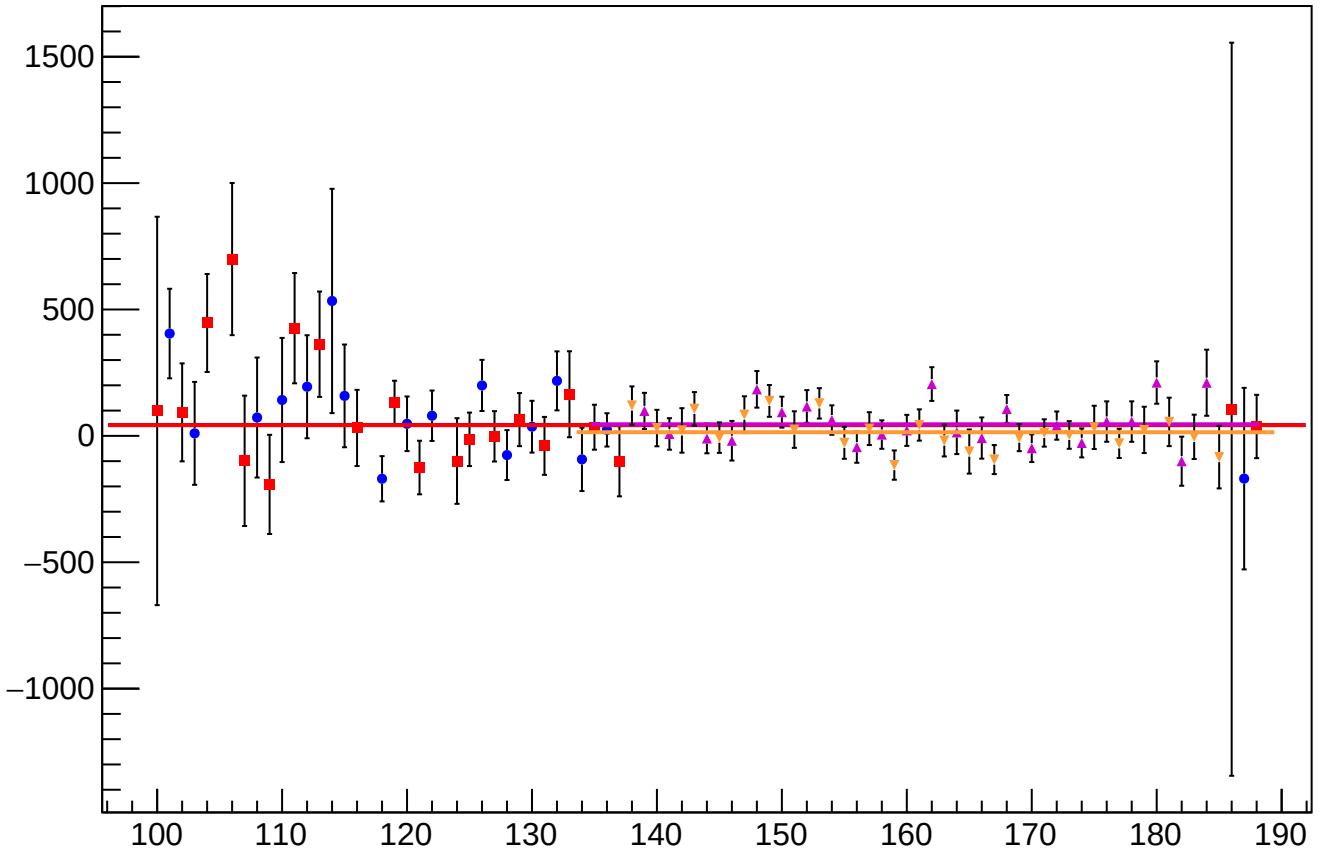
Left: 248.017+/-0.029 χ^2/NDF: 3149087.2/47

Right: 630.811+/-0.120 χ^2/NDF: 4679232.1/37

In: 267.470+/-0.041 χ^2/NDF:7614535.9/39

Out: 271.320+/-0.040 χ^2/NDF:9759180.8/45

All: 269.425+/-0.028 χ^2/NDF: 17378291.7/85



Right In: 42.917+/-29.805 χ^2/NDF: 20.0/16

Left Out: 14.498+/-13.454 χ^2/NDF:24.5/24

Right Out: 42.590+/-30.313 χ^2/NDF: 23.3/20

Left In: 45.806+/-13.931 χ^2/NDF:30.7/22

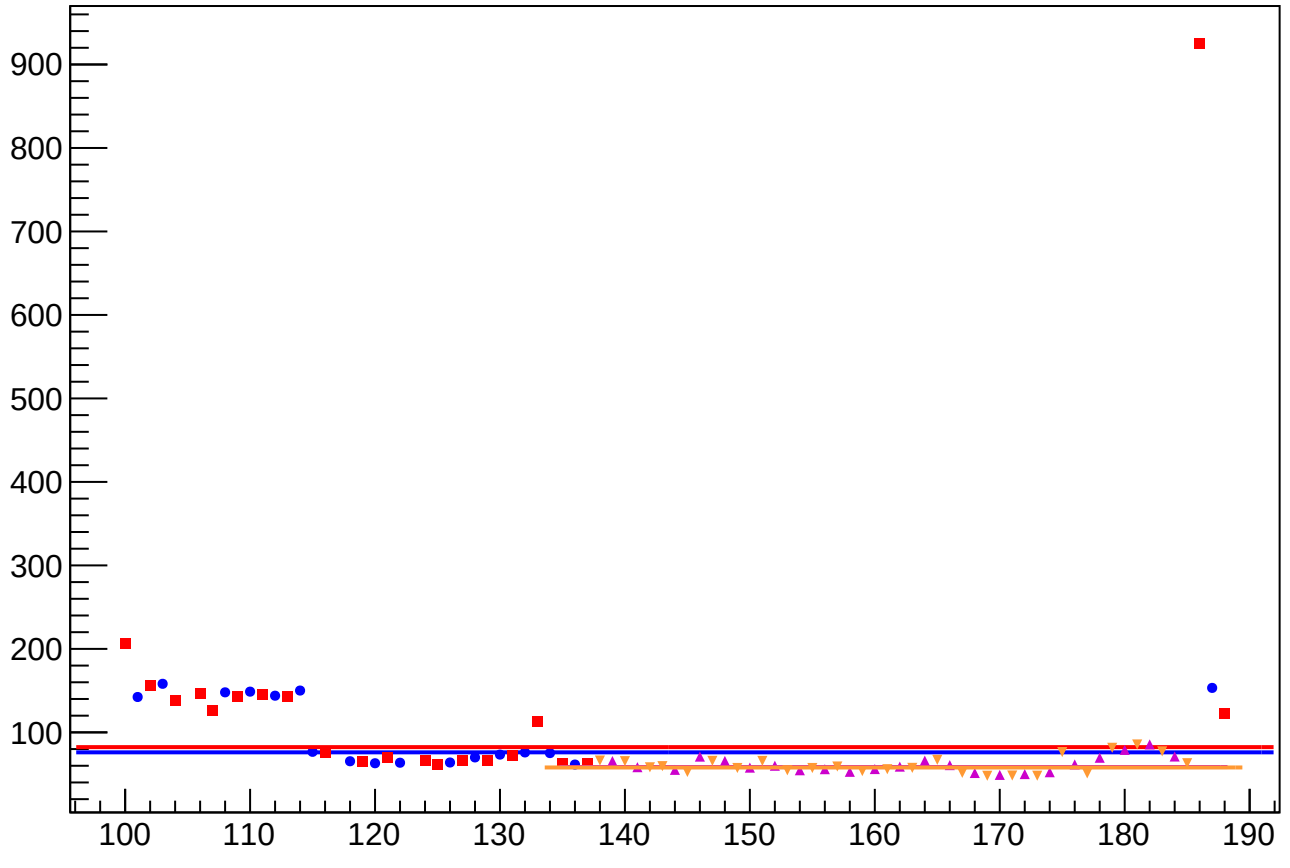
Left: 29.607+/-9.678 χ^2/NDF: 57.9/47

Right: 42.756+/-21.253 χ^2/NDF: 43.2/37

In: 45.288+/-12.621 χ^2/NDF:50.7/39

Out: 19.121+/-12.297 χ^2/NDF:48.5/45

All: 31.865+/-8.808 χ^2/NDF: 101.4/85



Right In: 76.080+/-0.021 χ^2/NDF: 1558546.0/16

Left Out: 57.965+/-0.010 χ^2/NDF:896947.4/24

Right Out: 82.326+/-0.021 χ^2/NDF: 2576761.9/20

Left In: 58.479+/-0.010 χ^2/NDF:649919.9/22

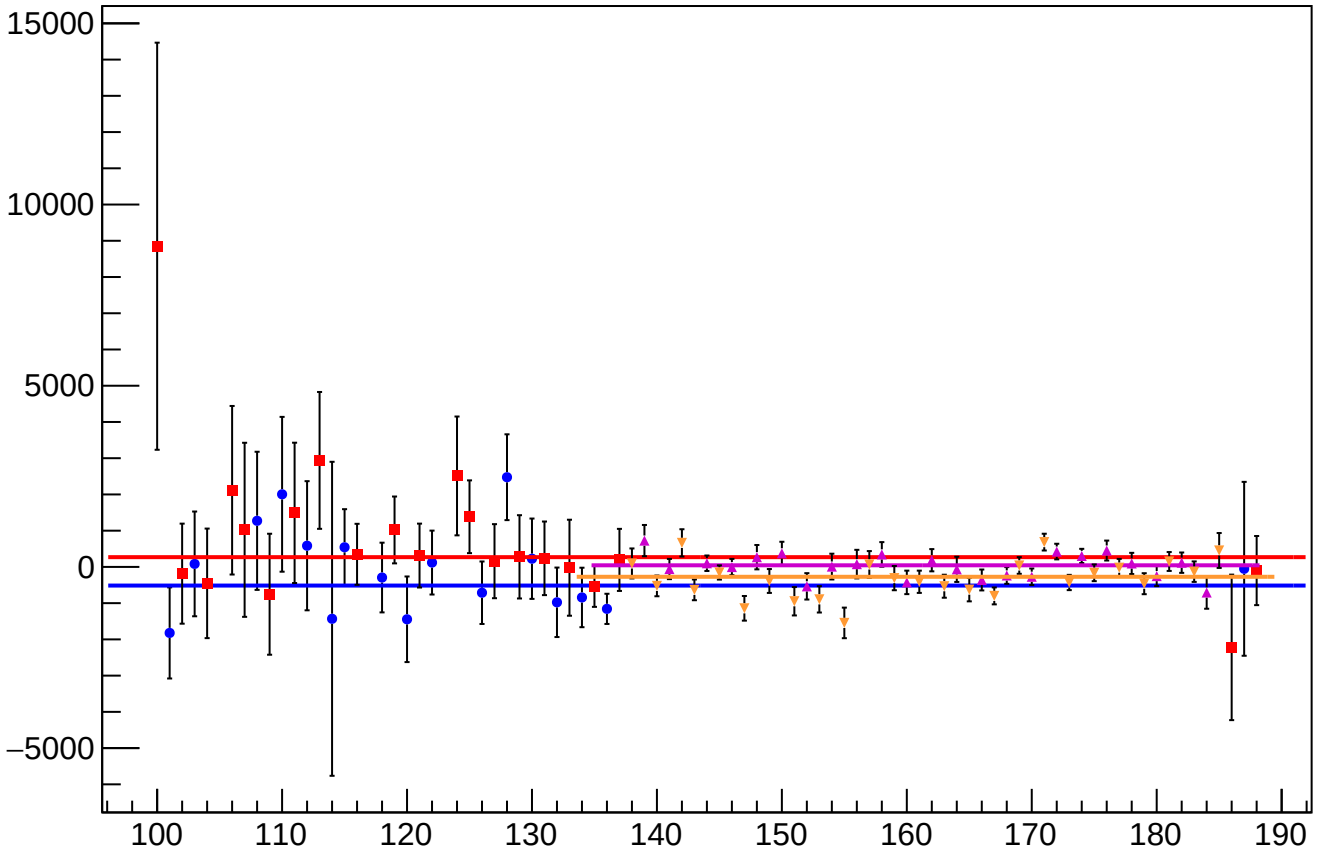
Left: 58.213+/-0.007 χ^2/NDF: 1548274.7/47

Right: 79.150+/-0.015 χ^2/NDF: 4178494.7/37

In: 61.635+/-0.009 χ^2/NDF:2780831.9/39

Out: 61.975+/-0.009 χ^2/NDF:4552830.9/45

All: 61.809+/-0.006 χ^2/NDF: 7334406.2/85



Right In: -514.574+/-240.105 χ^2/NDF: 15.8/16

Left Out: -272.513+/-57.274 χ^2/NDF:65.8/24

Right Out: 269.276+/-245.942 χ^2/NDF: 13.7/20

Left In: 44.553+/-58.614 χ^2/NDF:26.5/22

Left: -117.646+/-40.964 χ^2/NDF: 107.2/47

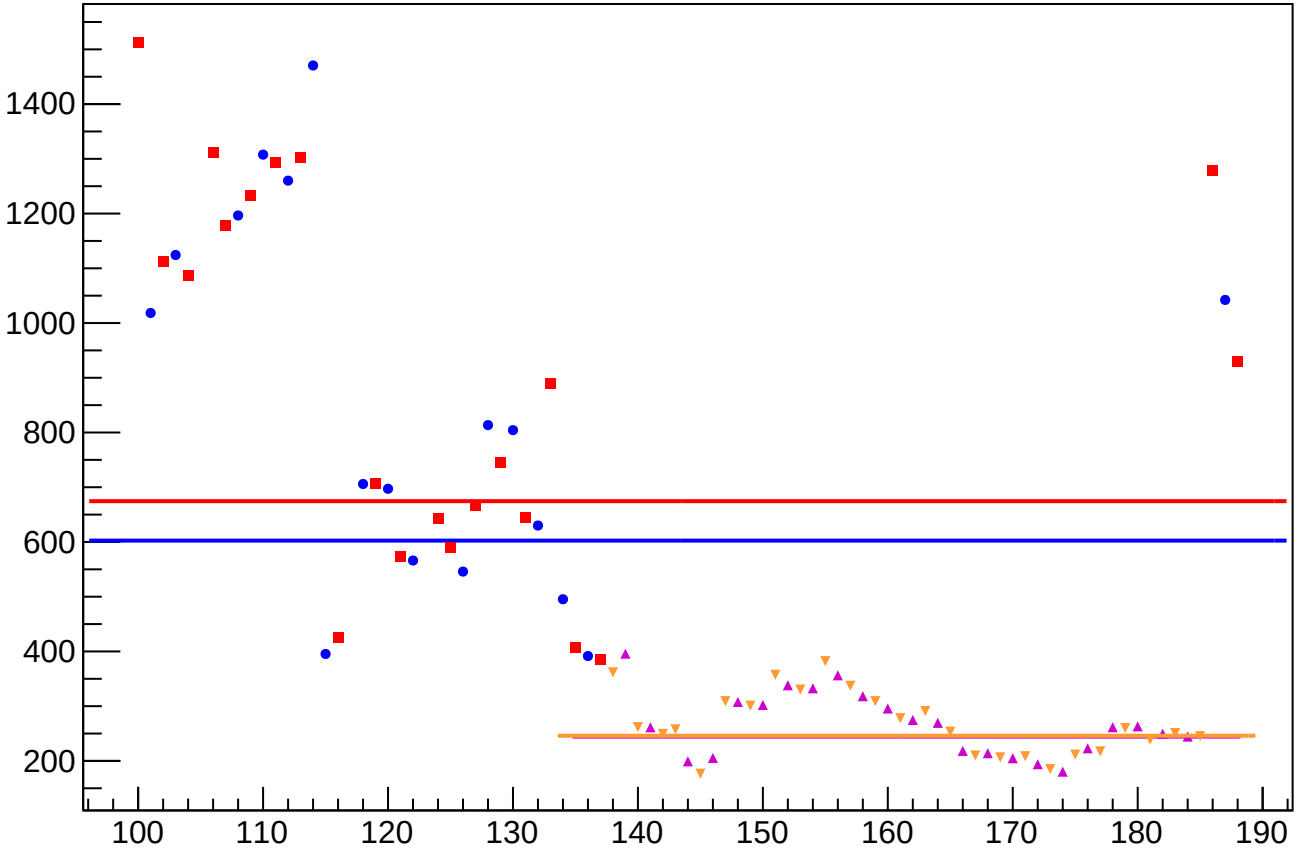
Right: -132.061+/-171.807 χ^2/NDF: 34.7/37

In: 13.106+/-56.942 χ^2/NDF:47.4/39

Out: -244.643+/-55.782 χ^2/NDF:84.0/45

All: -118.422+/-39.847 χ^2/NDF: 141.9/85

asym_sam_1526_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 602.492+/-0.170 χ^2/NDF: 2115686.6/16

Left Out: 246.017+/-0.040 χ^2/NDF:1680565.1/24

Right Out: 674.544+/-0.174 χ^2/NDF: 2554610.9/20

Left In: 244.450+/-0.041 χ^2/NDF:1596988.0/22

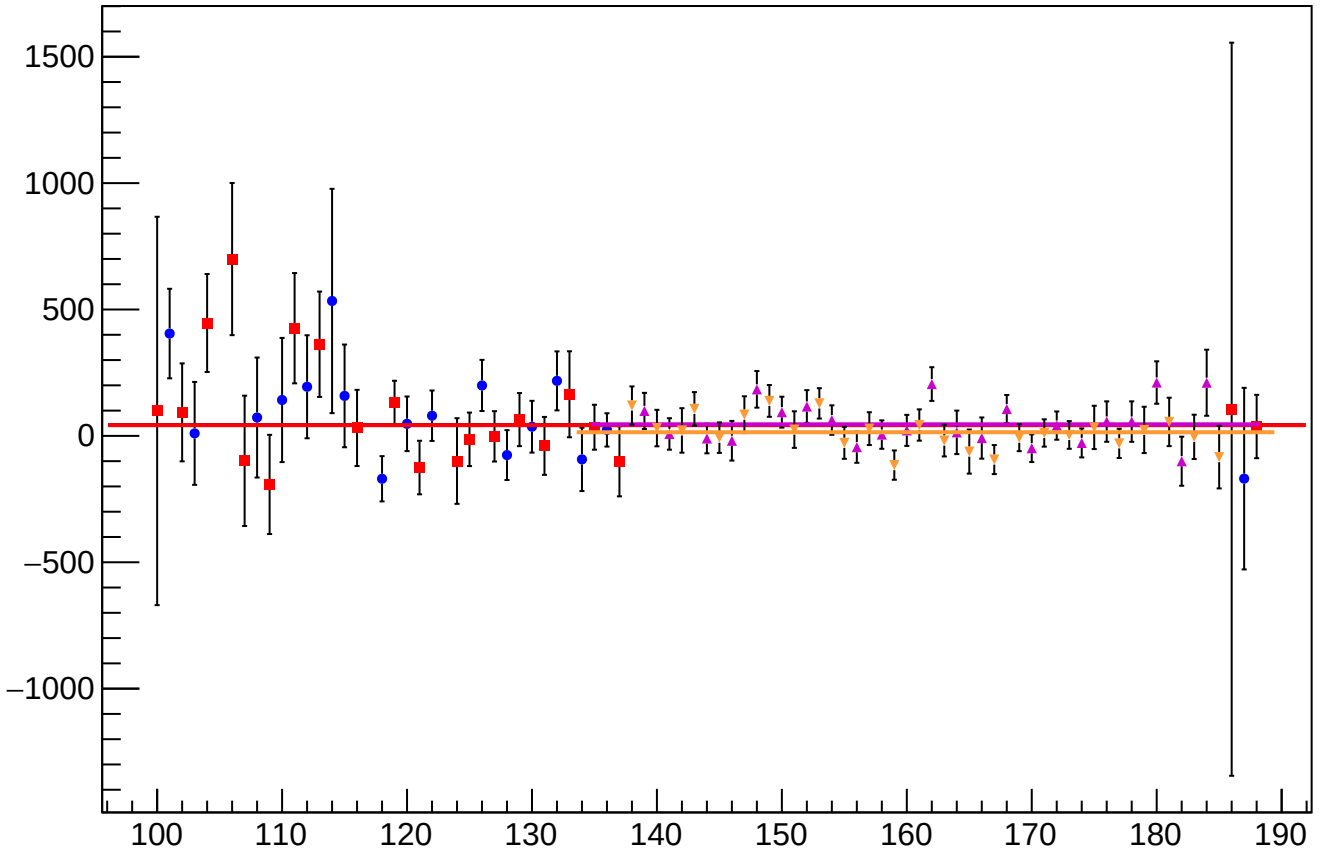
Left: 245.251+/-0.029 χ^2/NDF: 3278284.0/47

Right: 637.653+/-0.121 χ^2/NDF: 4758184.6/37

In: 264.587+/-0.040 χ^2/NDF:7909836.5/39

Out: 268.061+/-0.039 χ^2/NDF:9994667.7/45

All: 266.360+/-0.028 χ^2/NDF: 17908302.1/85



Right In: 42.918+/-29.805 χ^2/NDF: 20.0/16

Left Out: 14.498+/-13.454 χ^2/NDF:24.5/24

Right Out: 42.590+/-30.313 χ^2/NDF: 23.3/20

Left In: 45.805+/-13.931 χ^2/NDF:30.7/22

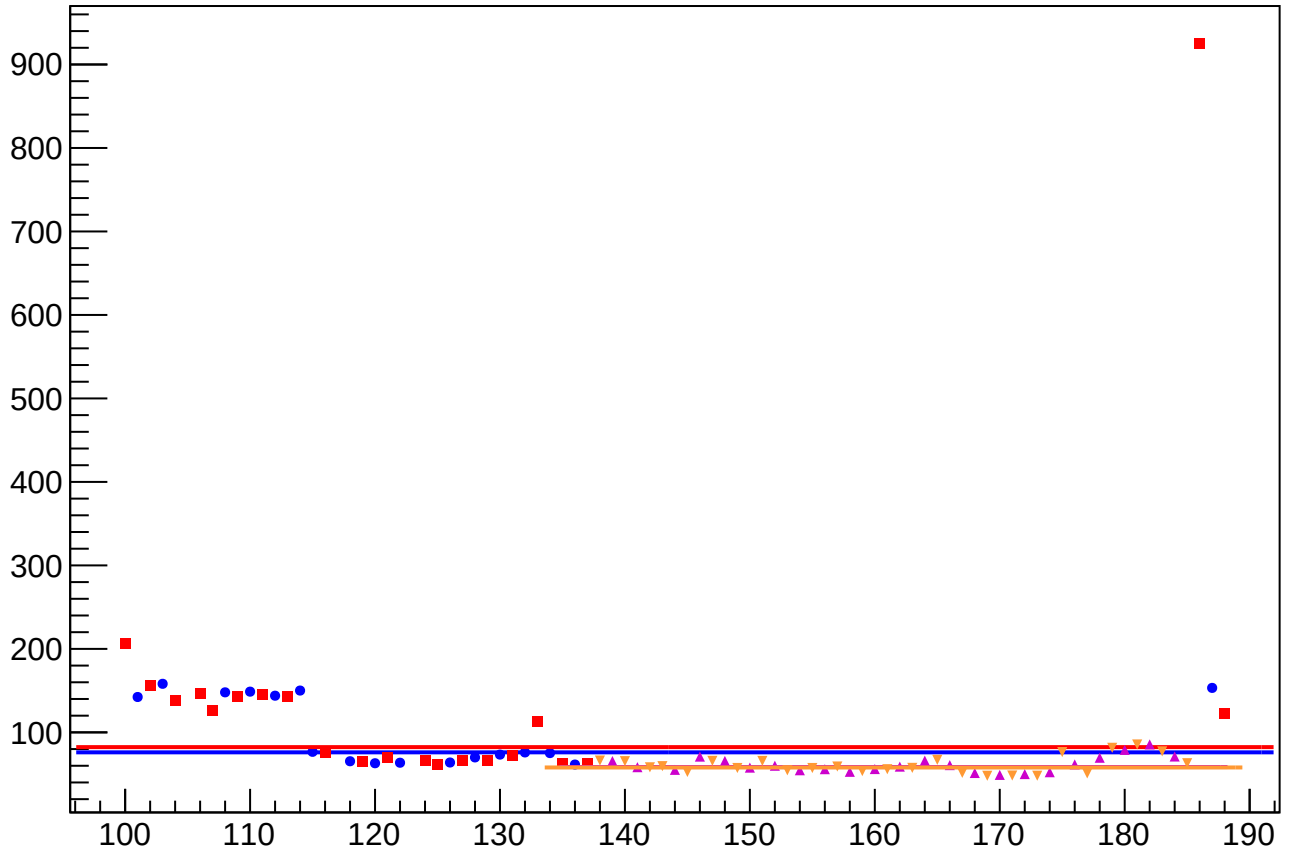
Left: 29.606+/-9.678 χ^2/NDF: 57.9/47

Right: 42.757+/-21.253 χ^2/NDF: 43.2/37

In: 45.288+/-12.621 χ^2/NDF:50.7/39

Out: 19.121+/-12.297 χ^2/NDF:48.5/45

All: 31.865+/-8.808 χ^2/NDF: 101.4/85



Right In: 76.079+/-0.021 χ^2/NDF: 1558533.0/16

Left Out: 57.965+/-0.010 χ^2/NDF:896952.8/24

Right Out: 82.326+/-0.021 χ^2/NDF: 2576759.3/20

Left In: 58.479+/-0.010 χ^2/NDF:649911.4/22

Left: 58.213+/-0.007 χ^2/NDF: 1548272.0/47

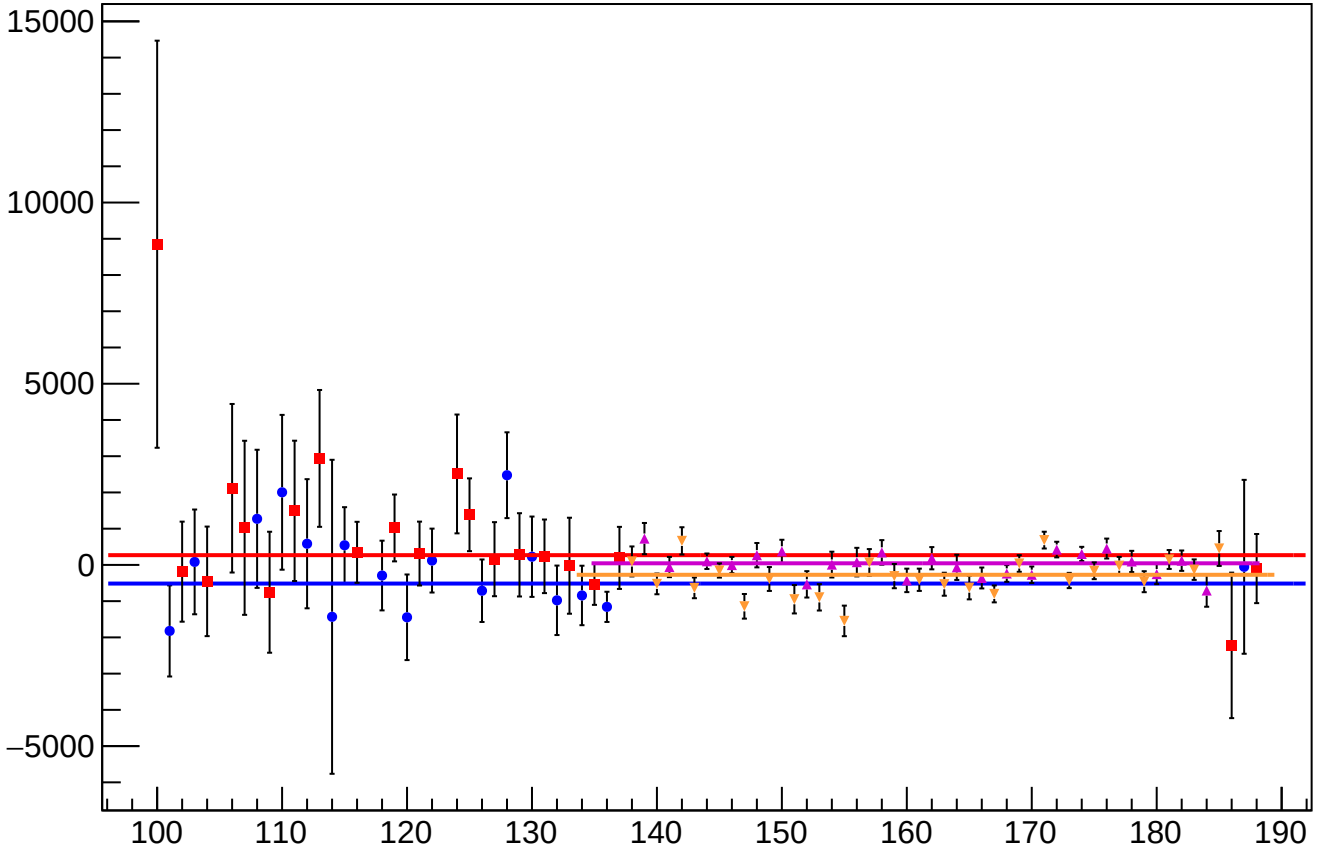
Right: 79.150+/-0.015 χ^2/NDF: 4178479.6/37

In: 61.635+/-0.009 χ^2/NDF:2780783.0/39

Out: 61.975+/-0.009 χ^2/NDF:4552805.5/45

All: 61.809+/-0.006 χ^2/NDF: 7334331.8/85

asym_sam_1526_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -514.572+/-240.105 χ^2/NDF: 15.8/16

Left Out: -272.512+/-57.274 χ^2/NDF:65.8/24

Right Out: 269.276+/-245.942 χ^2/NDF: 13.7/20

Left In: 44.552+/-58.614 χ^2/NDF:26.5/22

Left: -117.646+/-40.964 χ^2/NDF: 107.2/47

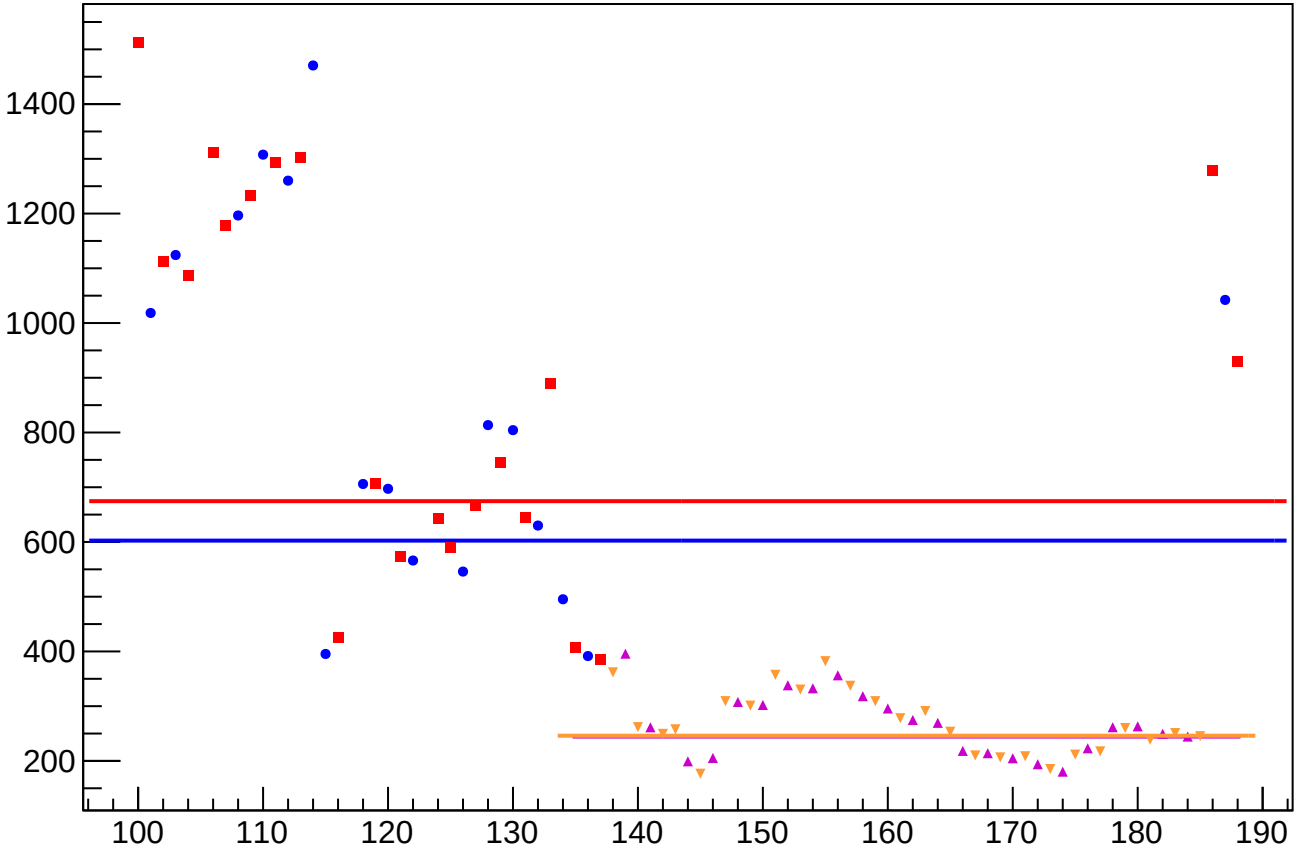
Right: -132.060+/-171.806 χ^2/NDF: 34.7/37

In: 13.106+/-56.942 χ^2/NDF:47.4/39

Out: -244.642+/-55.781 χ^2/NDF:84.0/45

All: -118.422+/-39.847 χ^2/NDF: 141.9/85

asym_sam_1526_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 602.492+/-0.170 χ^2/NDF: 2115668.2/16

Left Out: 246.016+/-0.040 χ^2/NDF:1680566.1/24

Right Out: 674.543+/-0.174 χ^2/NDF: 2554592.7/20

Left In: 244.450+/-0.041 χ^2/NDF:1596977.8/22

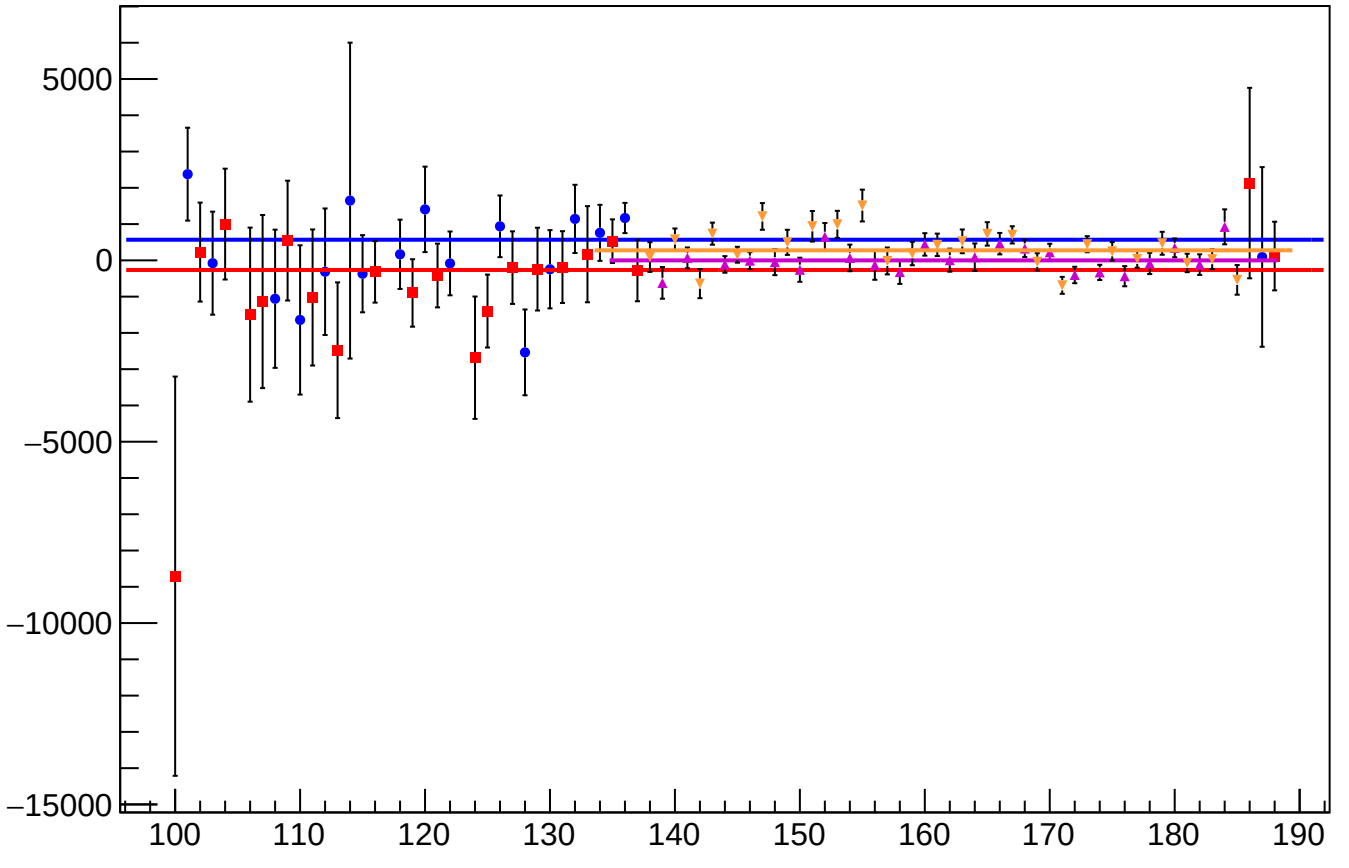
Left: 245.251+/-0.029 χ^2/NDF: 3278274.7/47

Right: 637.652+/-0.121 χ^2/NDF: 4758148.2/37

In: 264.587+/-0.040 χ^2/NDF:7909814.6/39

Out: 268.060+/-0.039 χ^2/NDF:9994664.4/45

All: 266.359+/-0.028 χ^2/NDF: 17908276.4/85



Right In: 568.952+/-237.817 χ^2/NDF: 16.6/16

Left Out: 277.077+/-59.149 χ^2/NDF:64.1/24

Right Out: -265.054+/-248.013 χ^2/NDF: 12.1/20

Left In: -0.556+/-60.356 χ^2/NDF:28.1/22

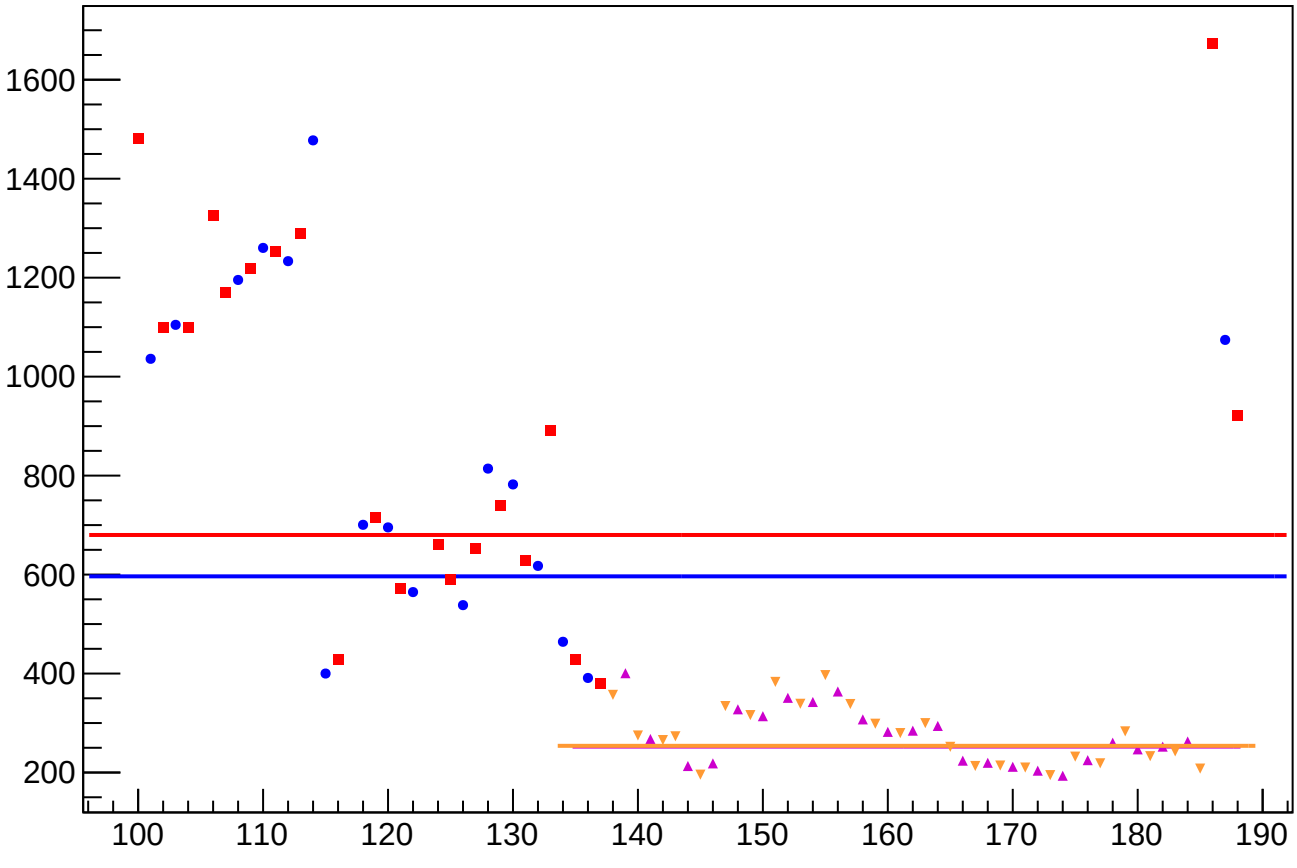
Left: 141.066+/-42.245 χ^2/NDF: 103.0/47

Right: 169.445+/-171.654 χ^2/NDF: 34.5/37

In: 33.907+/-58.502 χ^2/NDF:50.1/39

Out: 247.902+/-57.535 χ^2/NDF:80.7/45

All: 142.687+/-41.021 χ^2/NDF: 137.6/85



Right In: 596.422+/-0.168 χ^2/NDF: 2110853.0/16

Left Out: 253.953+/-0.042 χ^2/NDF:1590761.5/24

Right Out: 680.021+/-0.175 χ^2/NDF: 2528657.9/20

Left In: 252.390+/-0.043 χ^2/NDF:1412169.8/22

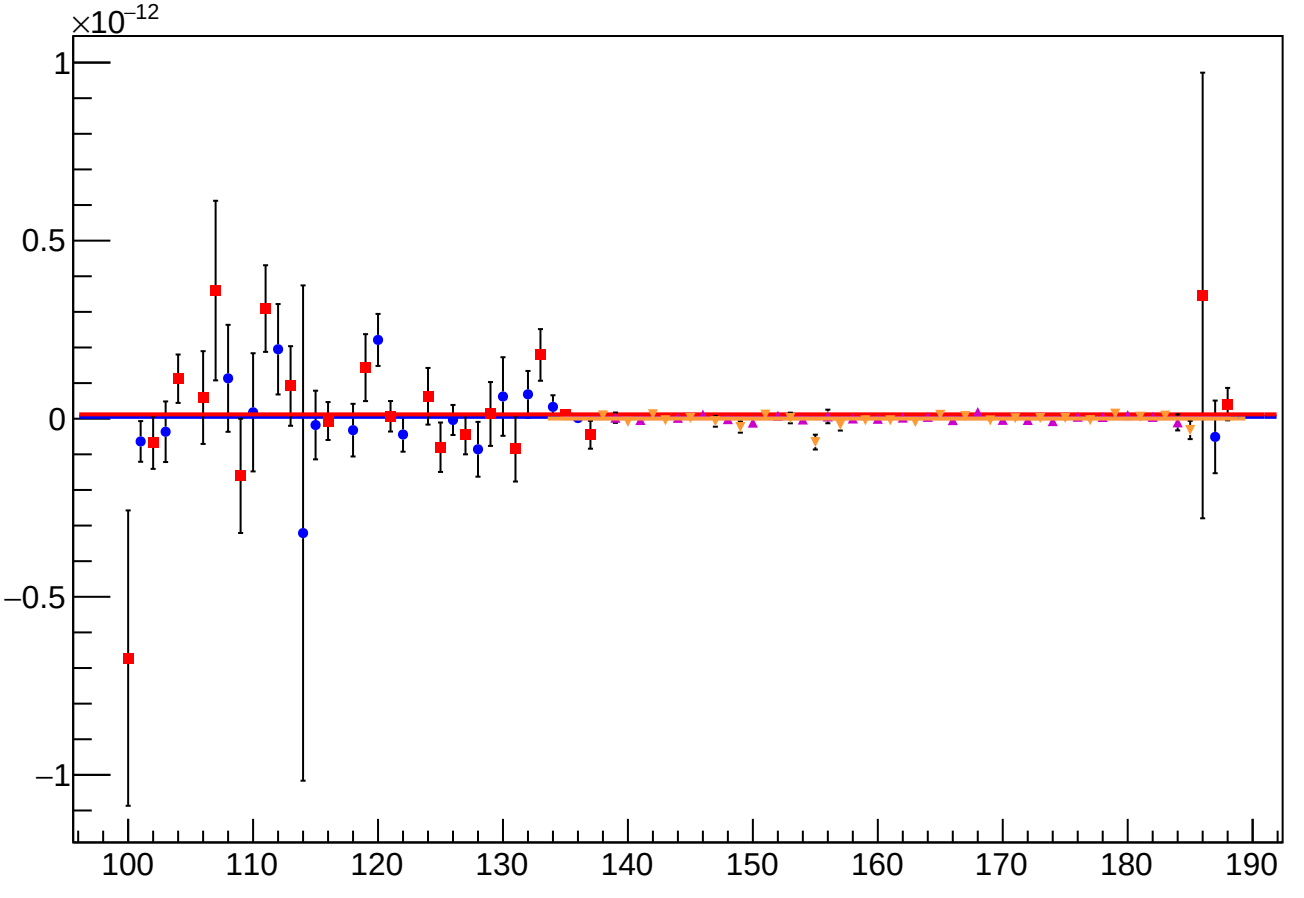
Left: 253.187+/-0.030 χ^2/NDF: 3003615.8/47

Right: 636.468+/-0.121 χ^2/NDF: 4757898.6/37

In: 273.208+/-0.041 χ^2/NDF:7455194.7/39

Out: 276.883+/-0.041 χ^2/NDF:9704292.9/45

All: 275.076+/-0.029 χ^2/NDF: 17163498.2/85



Right In: 0.000+/-0.000 χ^2/NDF: 18.6/16

Left Out: 0.000+/-0.000 χ^2/NDF:26.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 30.2/20

Left In: 0.000+/-0.000 χ^2/NDF:14.0/22

Left: 0.000+/-0.000 χ^2/NDF: 41.0/47

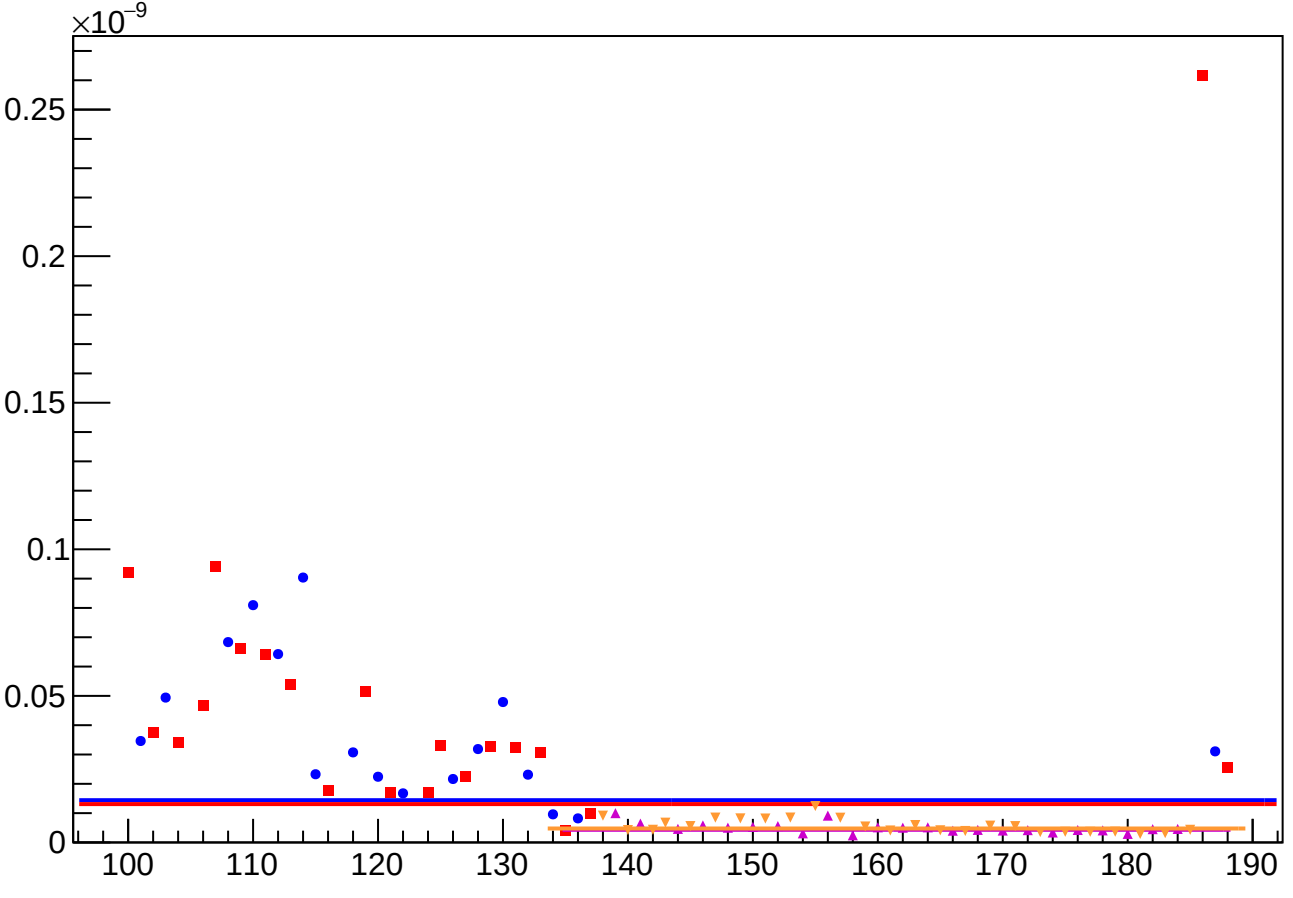
Right: 0.000+/-0.000 χ^2/NDF: 48.9/37

In: 0.000+/-0.000 χ^2/NDF:32.6/39

Out: 0.000+/-0.000 χ^2/NDF:58.3/45

All: 0.000+/-0.000 χ^2/NDF: 91.1/85

asym_sam_1526_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2547450.3/16

Left Out: 0.000+/-0.000 χ^2/NDF:1613401.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3946881.9/20

Left In: 0.000+/-0.000 χ^2/NDF:983290.8/22

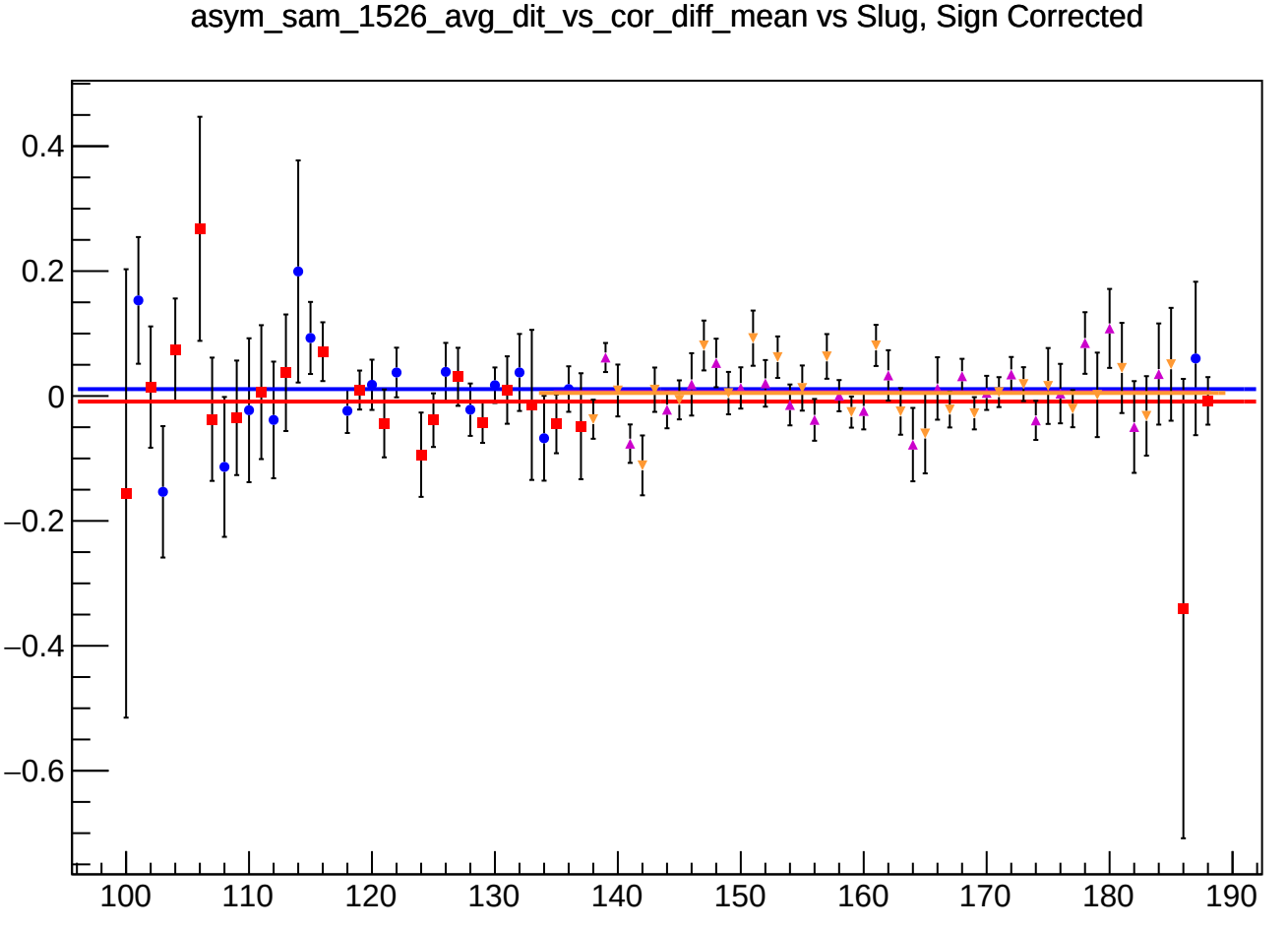
Left: 0.000+/-0.000 χ^2/NDF: 2651852.5/47

Right: 0.000+/-0.000 χ^2/NDF: 6510882.6/37

In: 0.000+/-0.000 χ^2/NDF:5335257.8/39

Out: 0.000+/-0.000 χ^2/NDF:6830350.5/45

All: 0.000+/-0.000 χ^2/NDF: 12214341.1/85



Right In: 0.011+/-0.012 χ^2/NDF: 13.3/16

Left Out: 0.005+/-0.007 χ^2/NDF:34.0/24

Right Out: -0.009+/-0.012 χ^2/NDF: 13.2/20

Left In: 0.006+/-0.007 χ^2/NDF:31.0/22

Left: 0.006+/-0.005 χ^2/NDF: 65.0/47

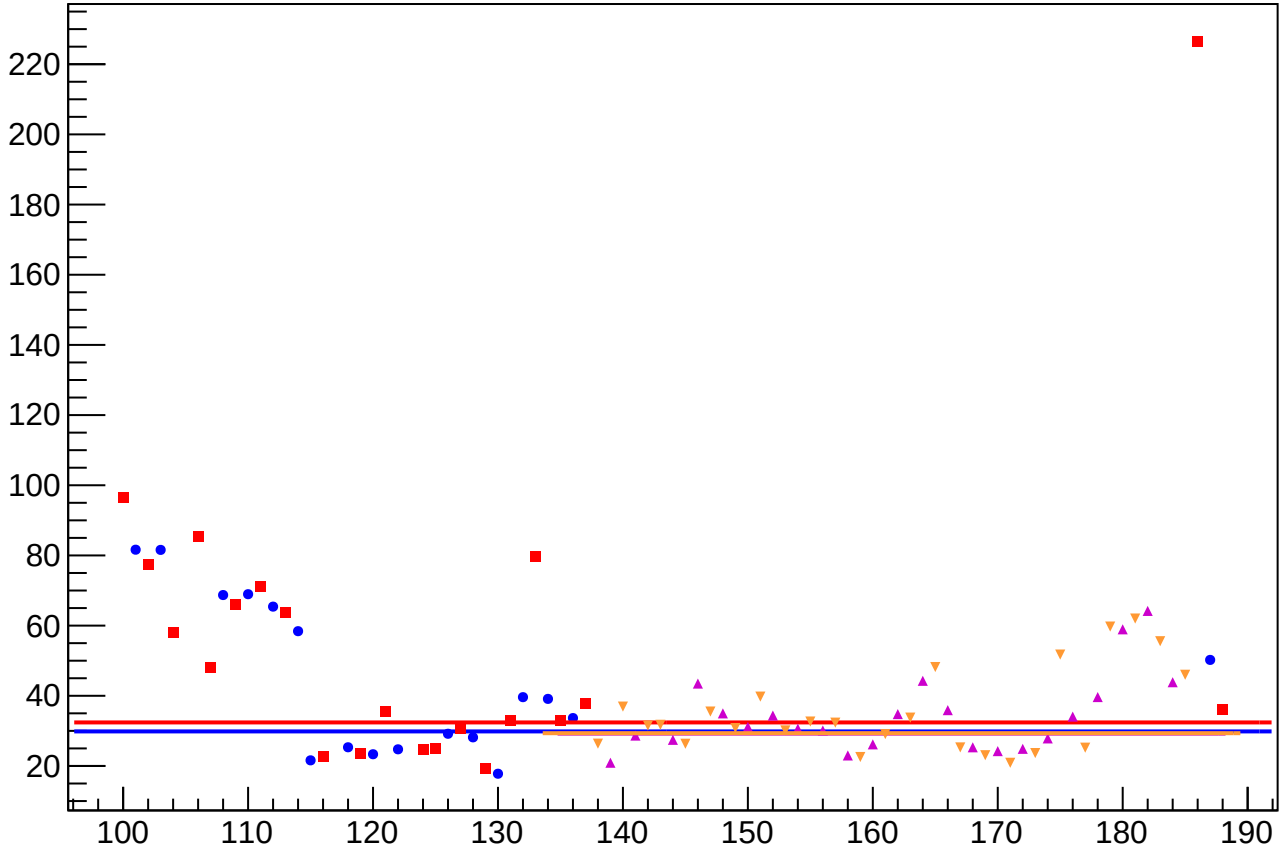
Right: 0.001+/-0.009 χ^2/NDF: 27.8/37

In: 0.007+/-0.006 χ^2/NDF:44.4/39

Out: 0.002+/-0.006 χ^2/NDF:48.1/45

All: 0.004+/-0.004 χ^2/NDF: 93.0/85

asym_sam_1526_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.848+/-0.009 χ^2/NDF: 2504089.7/16

Left Out: 29.338+/-0.005 χ^2/NDF:2687159.2/24

Right Out: 32.407+/-0.009 χ^2/NDF: 3232157.6/20

Left In: 29.226+/-0.005 χ^2/NDF:2097657.8/22

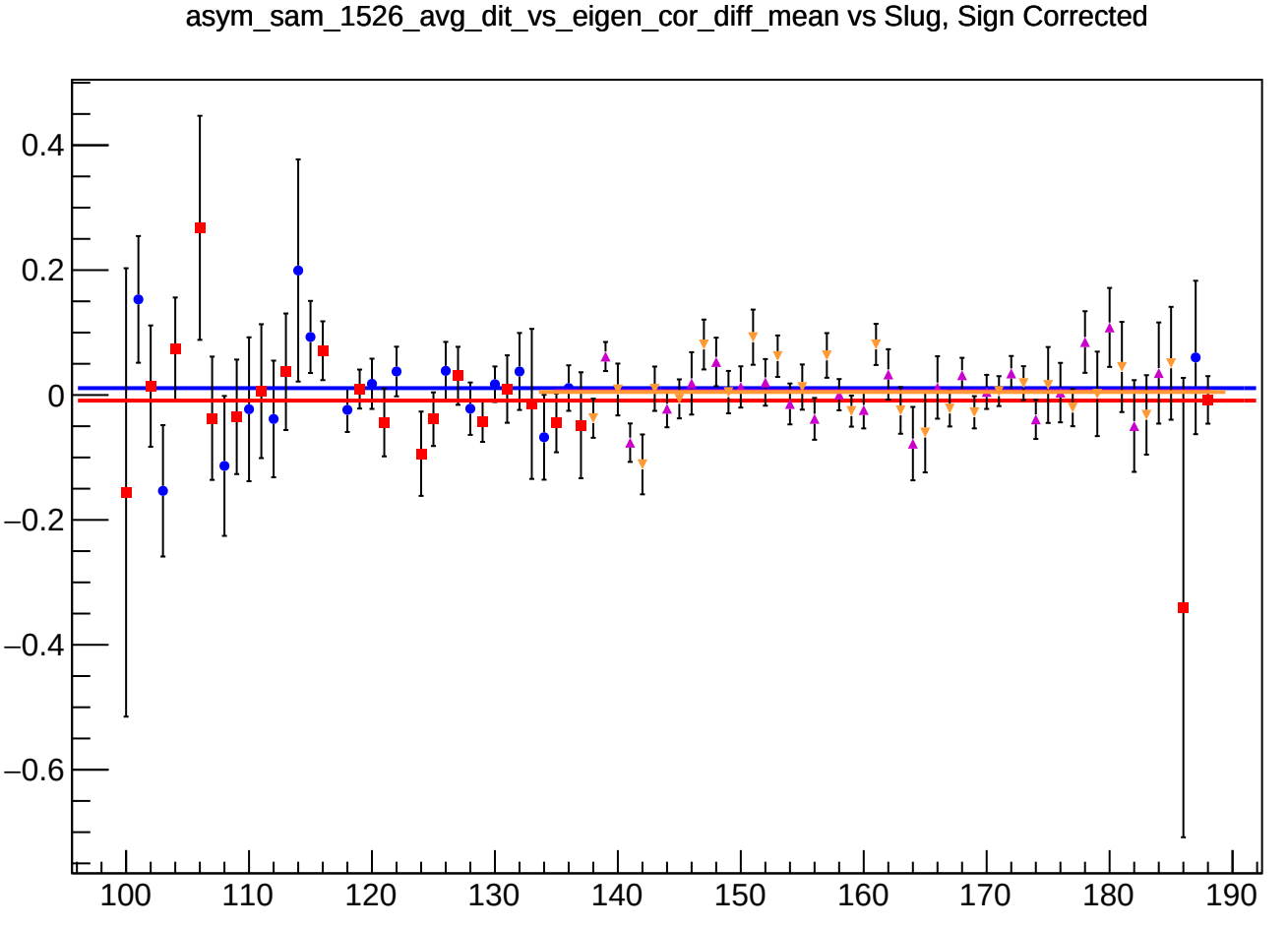
Left: 29.283+/-0.004 χ^2/NDF: 4785056.4/47

Right: 31.126+/-0.006 χ^2/NDF: 5778192.4/37

In: 29.383+/-0.004 χ^2/NDF:4605444.0/39

Out: 30.087+/-0.004 χ^2/NDF:6010455.0/45

All: 29.741+/-0.003 χ^2/NDF: 10628676.6/85



Right In: 0.011+/-0.012 χ^2/NDF: 13.3/16

Left Out: 0.005+/-0.007 χ^2/NDF:34.0/24

Right Out: -0.009+/-0.012 χ^2/NDF: 13.2/20

Left In: 0.006+/-0.007 χ^2/NDF:31.0/22

Left: 0.006+/-0.005 χ^2/NDF: 65.0/47

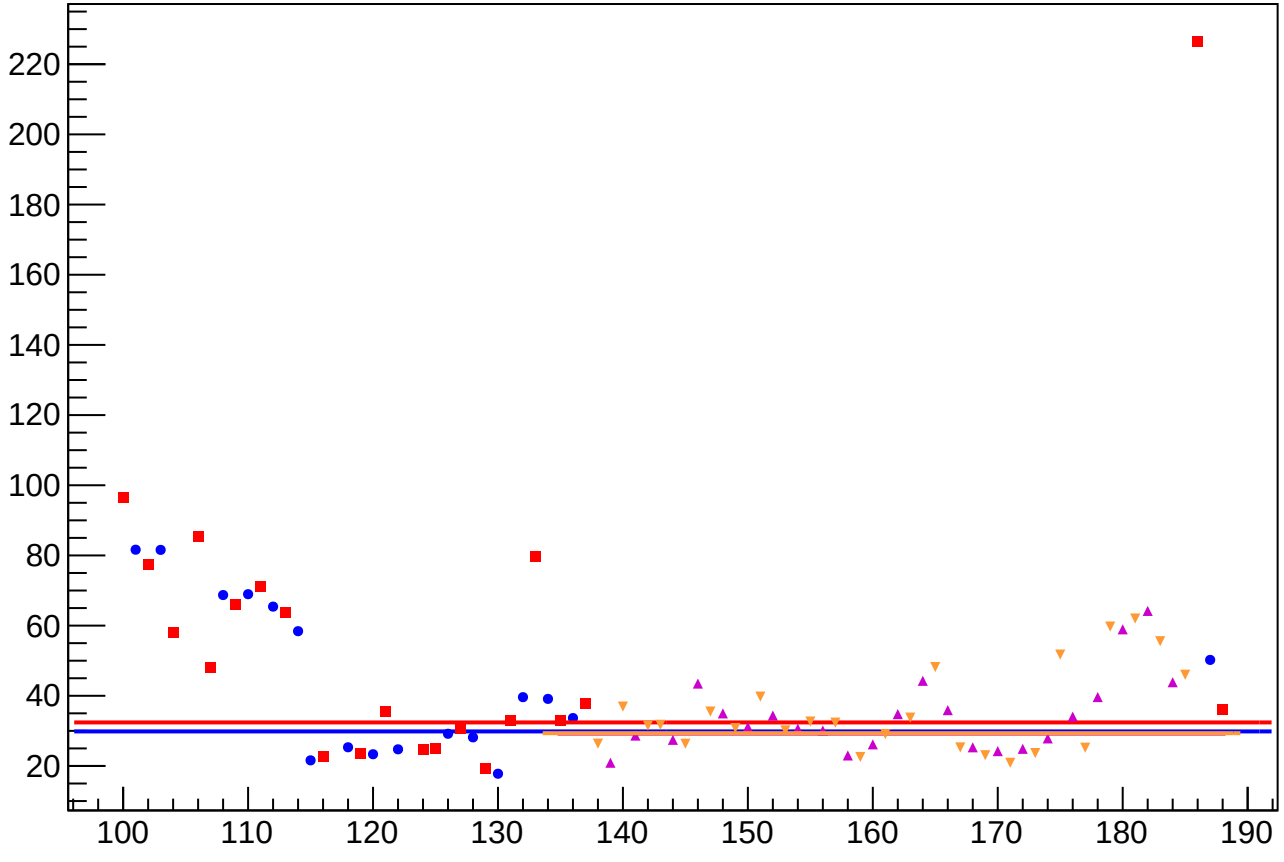
Right: 0.001+/-0.009 χ^2/NDF: 27.8/37

In: 0.007+/-0.006 χ^2/NDF:44.4/39

Out: 0.002+/-0.006 χ^2/NDF:48.1/45

All: 0.004+/-0.004 χ^2/NDF: 93.0/85

asym_sam_1526_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.848+/-0.009 χ^2/NDF: 2504089.7/16

Left Out: 29.338+/-0.005 χ^2/NDF:2687159.2/24

Right Out: 32.407+/-0.009 χ^2/NDF: 3232157.6/20

Left In: 29.226+/-0.005 χ^2/NDF:2097657.8/22

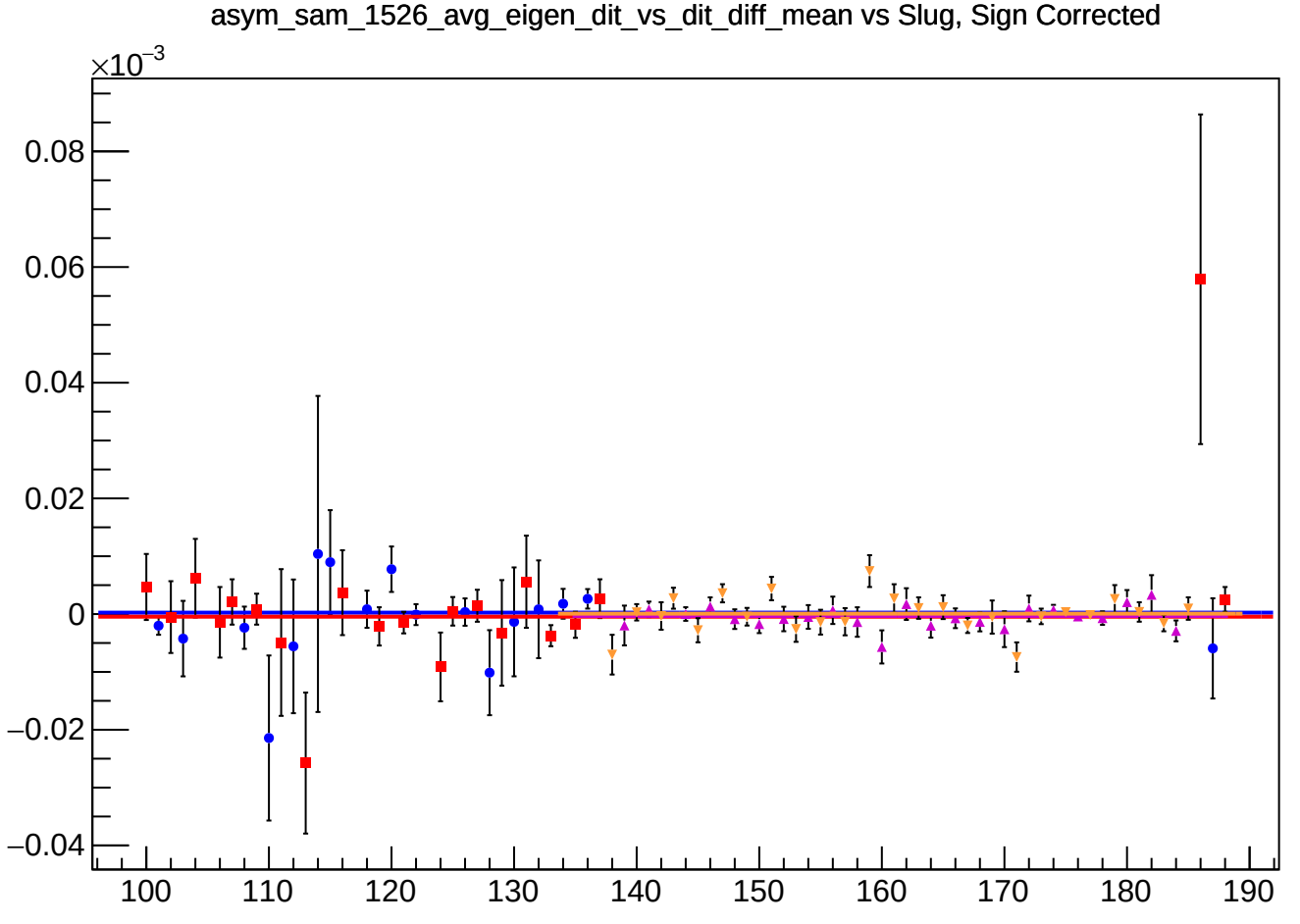
Left: 29.283+/-0.004 χ^2/NDF: 4785056.4/47

Right: 31.126+/-0.006 χ^2/NDF: 5778192.4/37

In: 29.383+/-0.004 χ^2/NDF:4605444.0/39

Out: 30.087+/-0.004 χ^2/NDF:6010455.0/45

All: 29.741+/-0.003 χ^2/NDF: 10628676.6/85



Right In: 0.000+/-0.000 χ^2/NDF: 15.3/16

Left Out: 0.000+/-0.000 χ^2/NDF:43.7/24

Right Out: -0.000+/-0.000 χ^2/NDF: 21.8/20

Left In: -0.000+/-0.000 χ^2/NDF:15.5/22

Left: -0.000+/-0.000 χ^2/NDF: 60.1/47

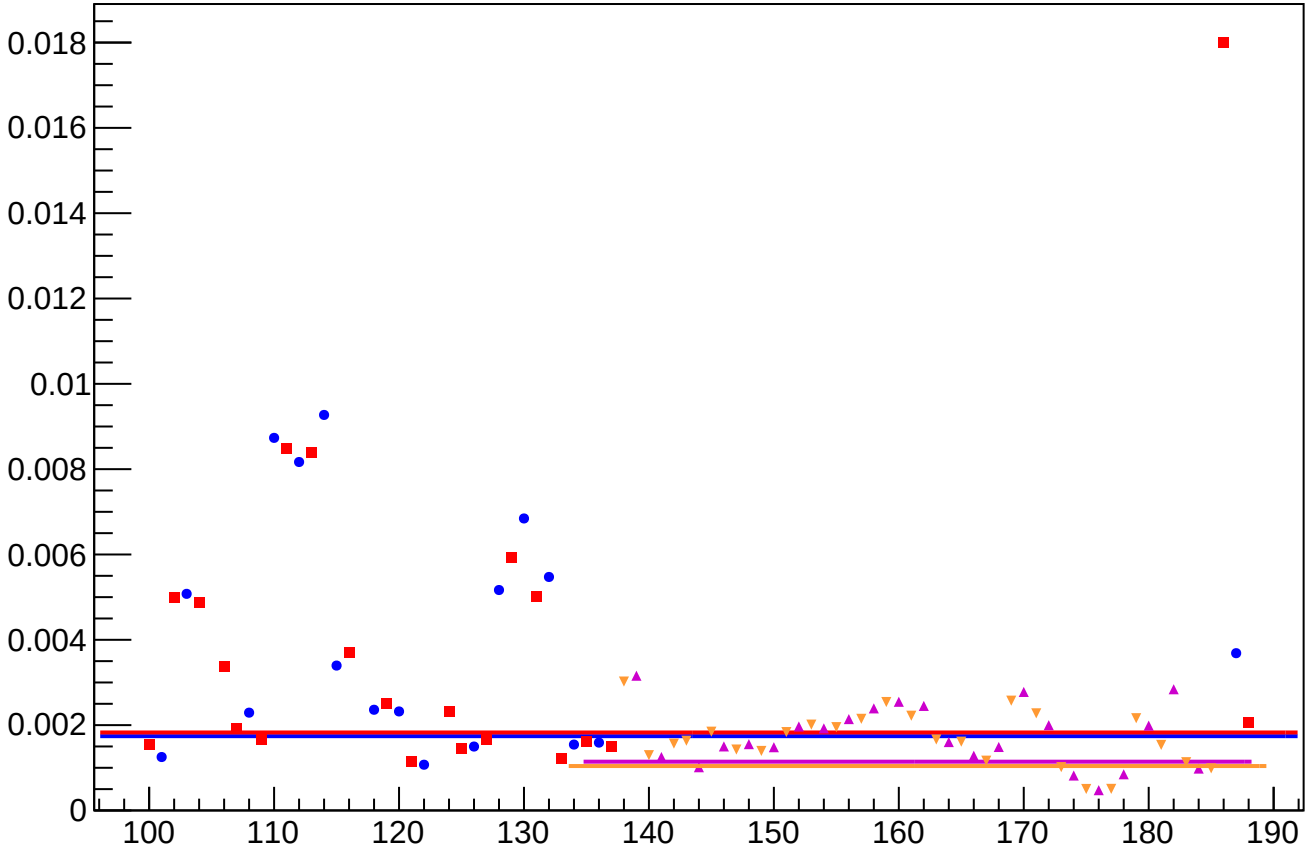
Right: -0.000+/-0.000 χ^2/NDF: 37.6/37

In: -0.000+/-0.000 χ^2/NDF:31.2/39

Out: 0.000+/-0.000 χ^2/NDF:66.0/45

All: -0.000+/-0.000 χ^2/NDF: 97.6/85

asym_sam_1526_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 4033803.6/16

Left Out: 0.001+/-0.000 χ^2/NDF:9825407.0/24

Right Out: 0.002+/-0.000 χ^2/NDF: 4395961.2/20

Left In: 0.001+/-0.000 χ^2/NDF:8291862.8/22

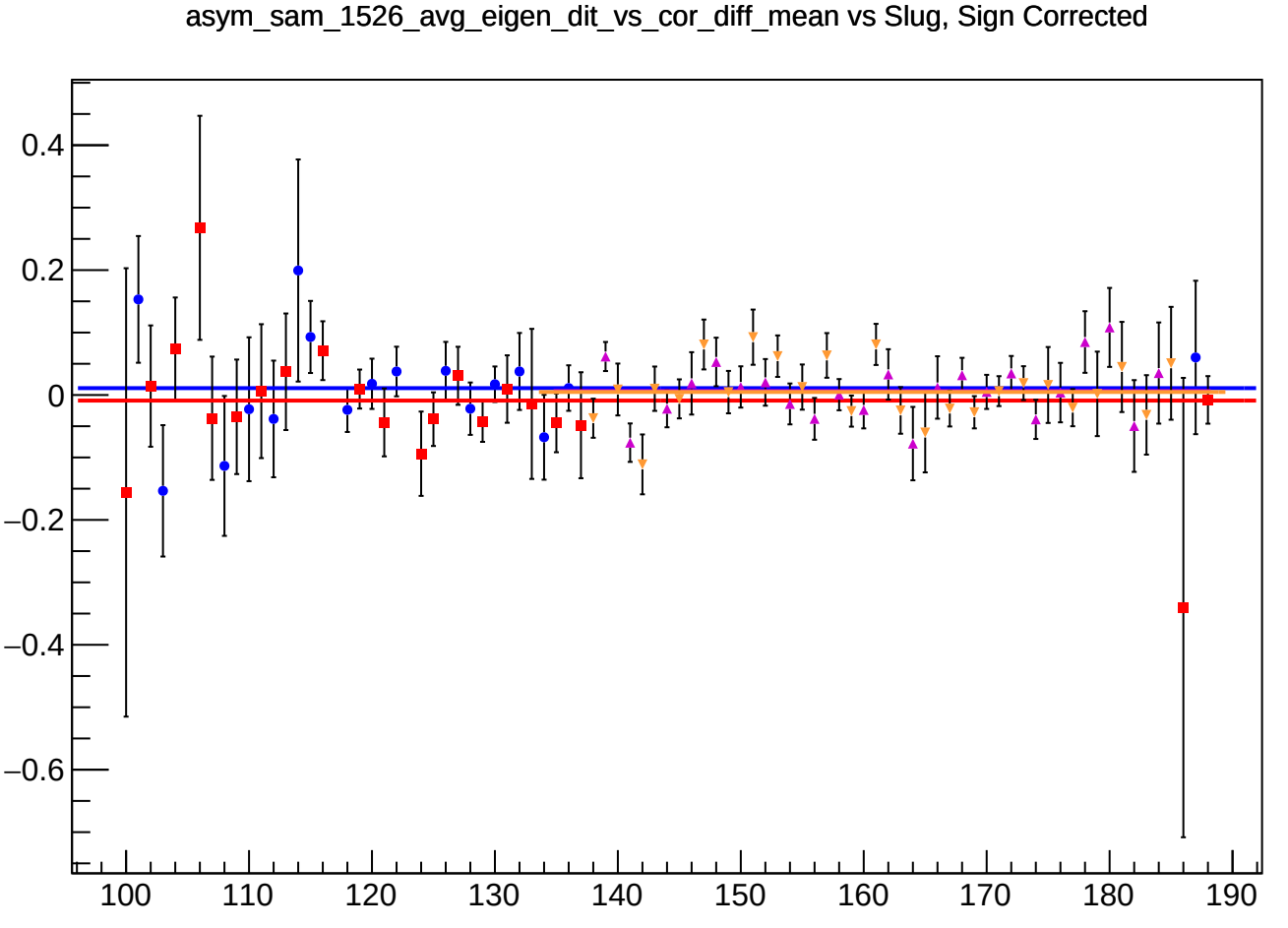
Left: 0.001+/-0.000 χ^2/NDF: 18236927.4/47

Right: 0.002+/-0.000 χ^2/NDF: 8443356.6/37

In: 0.001+/-0.000 χ^2/NDF:13389075.4/39

Out: 0.001+/-0.000 χ^2/NDF:16251871.8/45

All: 0.001+/-0.000 χ^2/NDF: 29742822.4/85



Right In: 0.011+/-0.012 χ^2/NDF: 13.3/16

Left Out: 0.005+/-0.007 χ^2/NDF:34.0/24

Right Out: -0.009+/-0.012 χ^2/NDF: 13.2/20

Left In: 0.006+/-0.007 χ^2/NDF:31.0/22

Left: 0.006+/-0.005 χ^2/NDF: 65.0/47

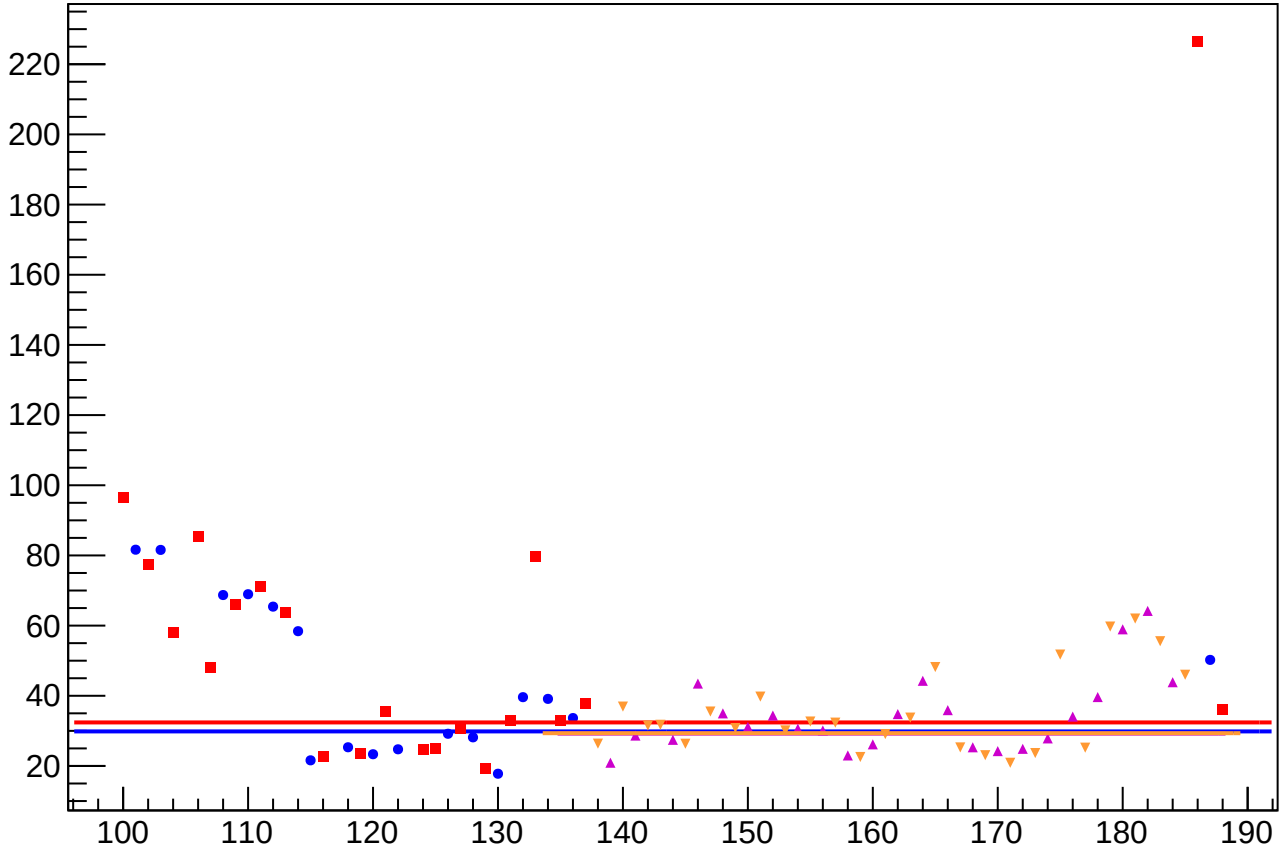
Right: 0.001+/-0.009 χ^2/NDF: 27.8/37

In: 0.007+/-0.006 χ^2/NDF:44.4/39

Out: 0.002+/-0.006 χ^2/NDF:48.1/45

All: 0.004+/-0.004 χ^2/NDF: 93.0/85

asym_sam_1526_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.846+/-0.009 χ^2/NDF: 2504309.2/16

Left Out: 29.338+/-0.005 χ^2/NDF:2687200.3/24

Right Out: 32.406+/-0.009 χ^2/NDF: 3232350.2/20

Left In: 29.227+/-0.005 χ^2/NDF:2097621.4/22

Left: 29.283+/-0.004 χ^2/NDF: 4785060.1/47

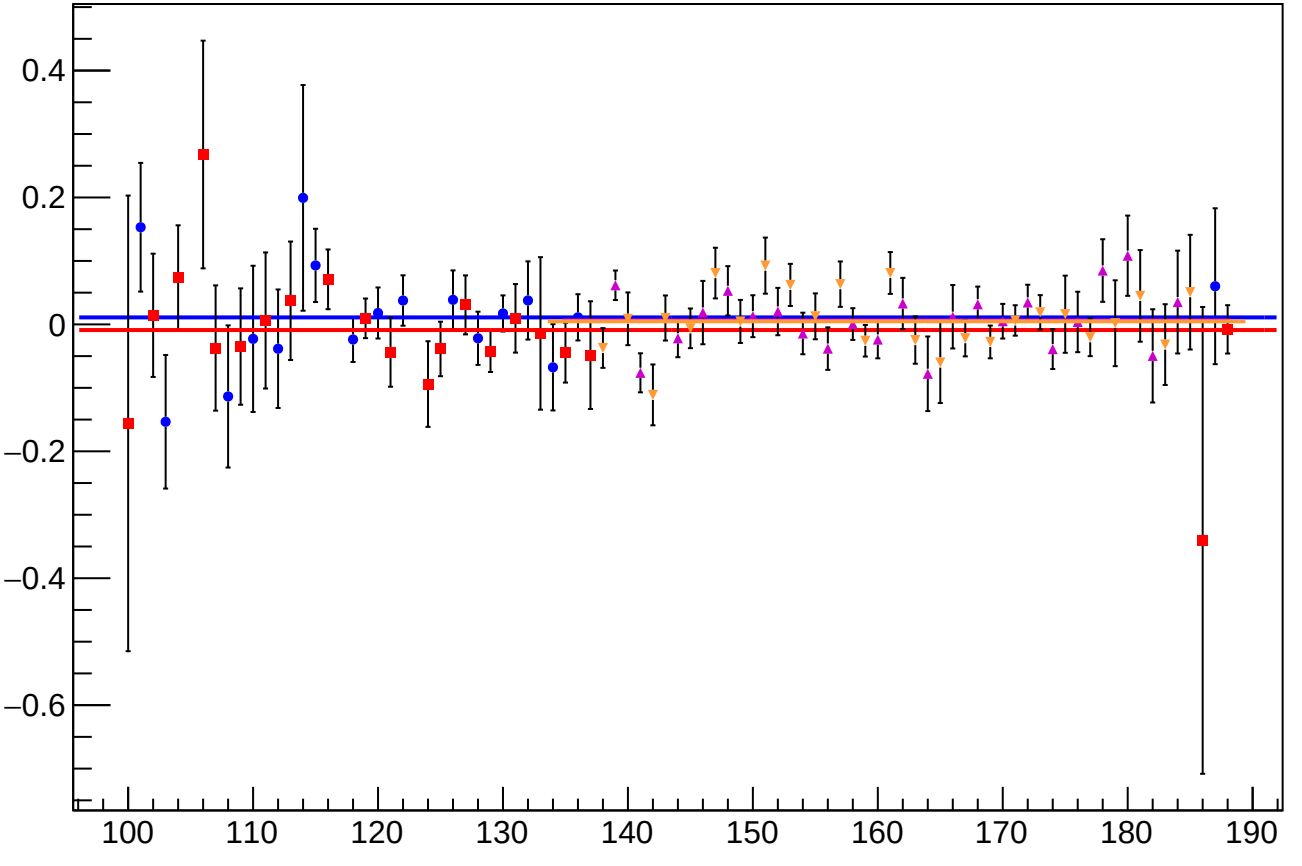
Right: 31.125+/-0.006 χ^2/NDF: 5778609.9/37

In: 29.383+/-0.004 χ^2/NDF:4605607.8/39

Out: 30.087+/-0.004 χ^2/NDF:6010613.1/45

All: 29.741+/-0.003 χ^2/NDF: 10628994.8/85

asym_sam_1526_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.011+/-0.012 χ^2/NDF: 13.3/16

Left Out: 0.005+/-0.007 χ^2/NDF:34.0/24

Right Out: -0.009+/-0.012 χ^2/NDF: 13.2/20

Left In: 0.006+/-0.007 χ^2/NDF:31.0/22

Left: 0.006+/-0.005 χ^2/NDF: 65.0/47

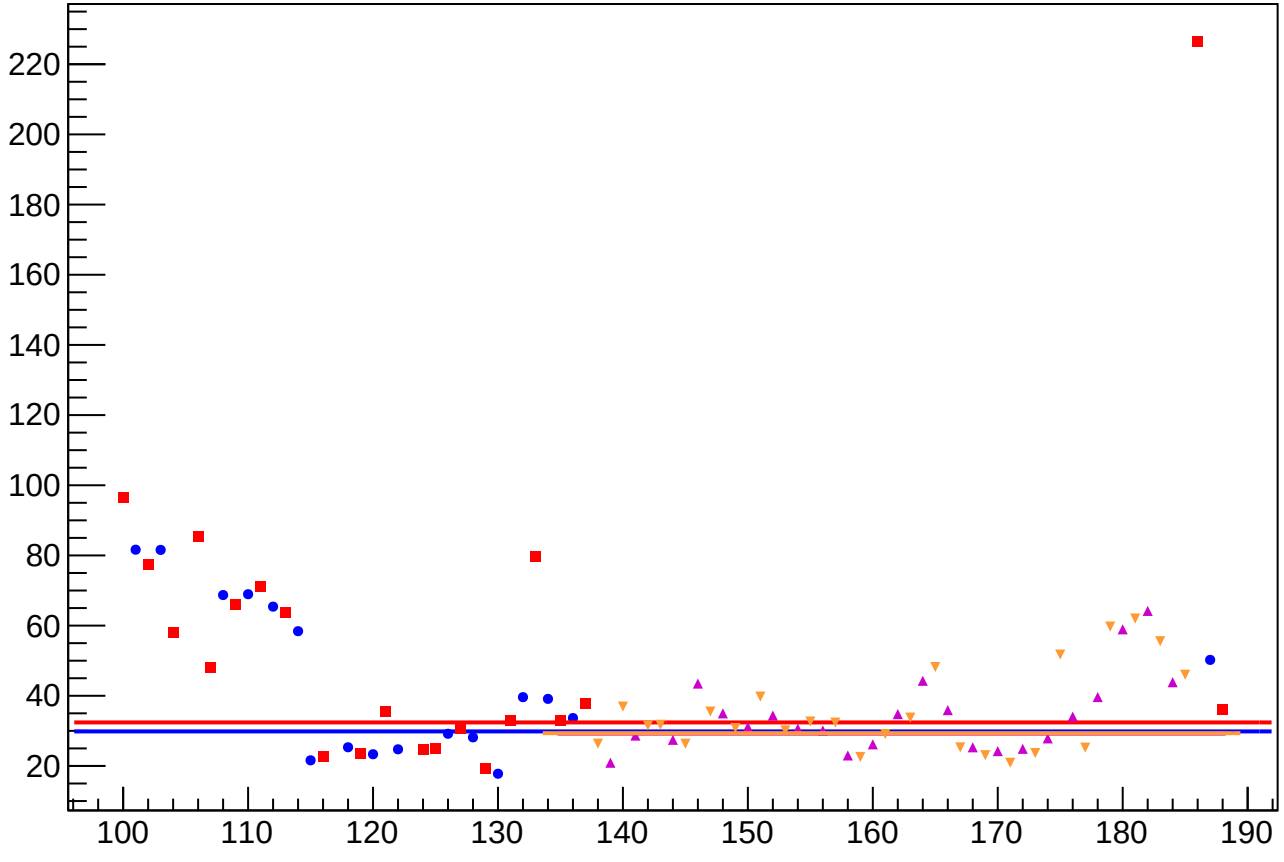
Right: 0.001+/-0.009 χ^2/NDF: 27.8/37

In: 0.007+/-0.006 χ^2/NDF:44.4/39

Out: 0.002+/-0.006 χ^2/NDF:48.1/45

All: 0.004+/-0.004 χ^2/NDF: 93.0/85

asym_sam_1526_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.846+/-0.009 χ^2/NDF: 2504309.2/16

Left Out: 29.338+/-0.005 χ^2/NDF:2687200.3/24

Right Out: 32.406+/-0.009 χ^2/NDF: 3232350.2/20

Left In: 29.227+/-0.005 χ^2/NDF:2097621.4/22

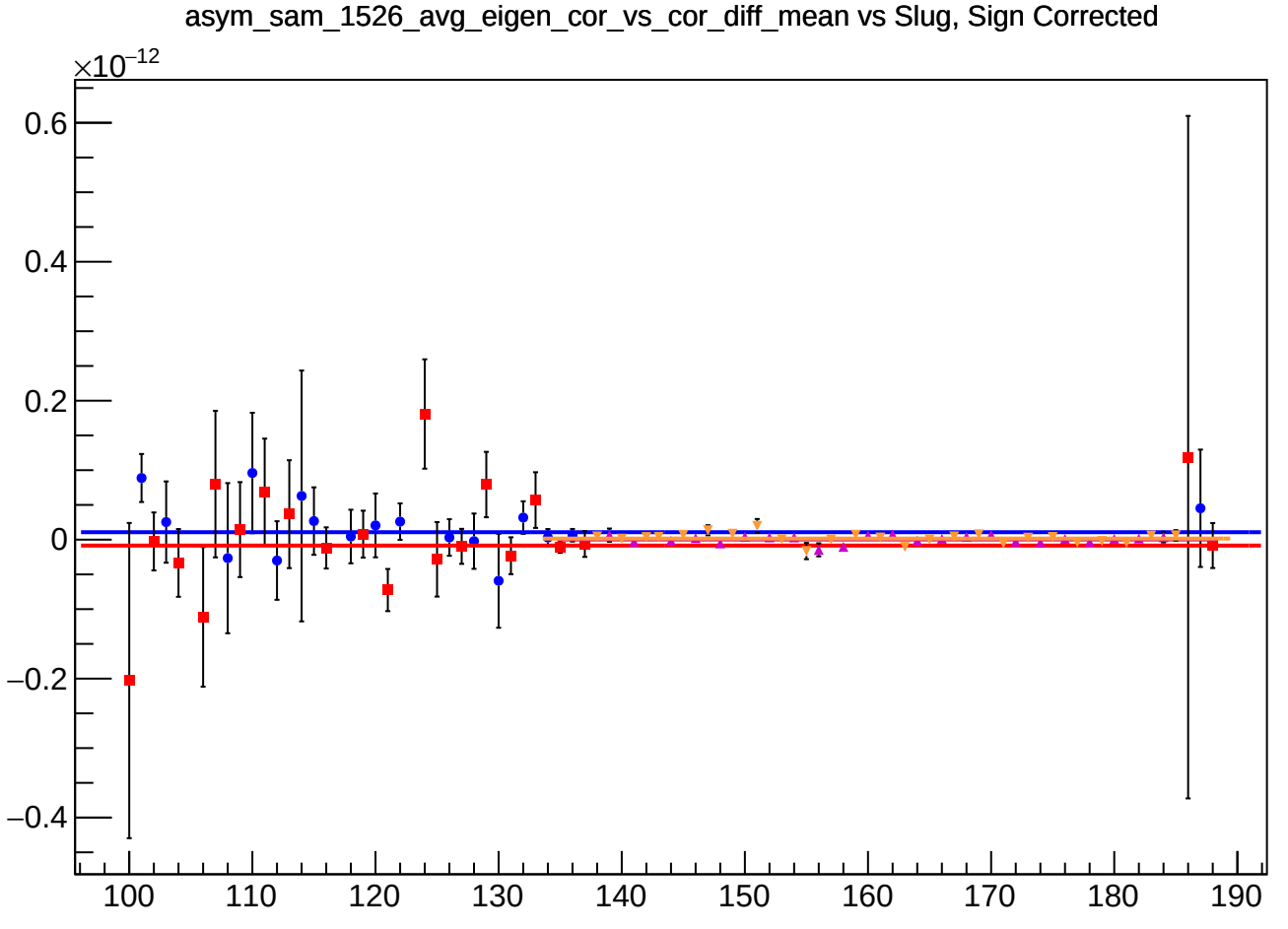
Left: 29.283+/-0.004 χ^2/NDF: 4785060.1/47

Right: 31.125+/-0.006 χ^2/NDF: 5778609.9/37

In: 29.383+/-0.004 χ^2/NDF:4605607.8/39

Out: 30.087+/-0.004 χ^2/NDF:6010613.1/45

All: 29.741+/-0.003 χ^2/NDF: 10628994.8/85



Right In: 0.000+/-0.000 χ^2/NDF: 10.2/16

Left Out: 0.000+/-0.000 χ^2/NDF:35.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 21.5/20

Left In: 0.000+/-0.000 χ^2/NDF:18.6/22

Left: 0.000+/-0.000 χ^2/NDF: 54.6/47

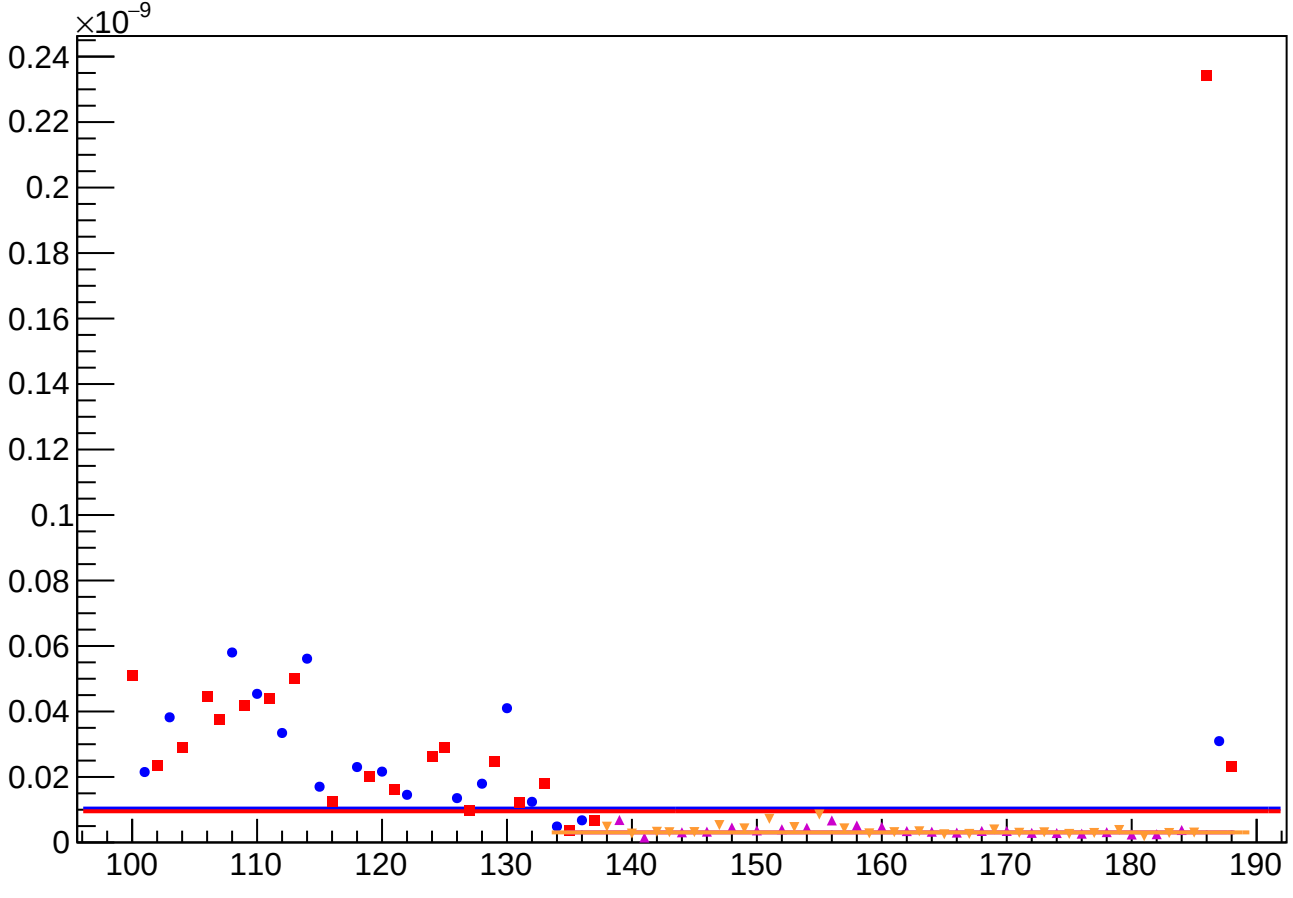
Right: 0.000+/-0.000 χ^2/NDF: 37.0/37

In: 0.000+/-0.000 χ^2/NDF:31.8/39

Out: 0.000+/-0.000 χ^2/NDF:59.4/45

All: 0.000+/-0.000 χ^2/NDF: 91.6/85

asym_sam_1526_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3631321.2/16

Left Out: 0.000+/-0.000 χ^2/NDF:2024861.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5295883.4/20

Left In: 0.000+/-0.000 χ^2/NDF:2149738.1/22

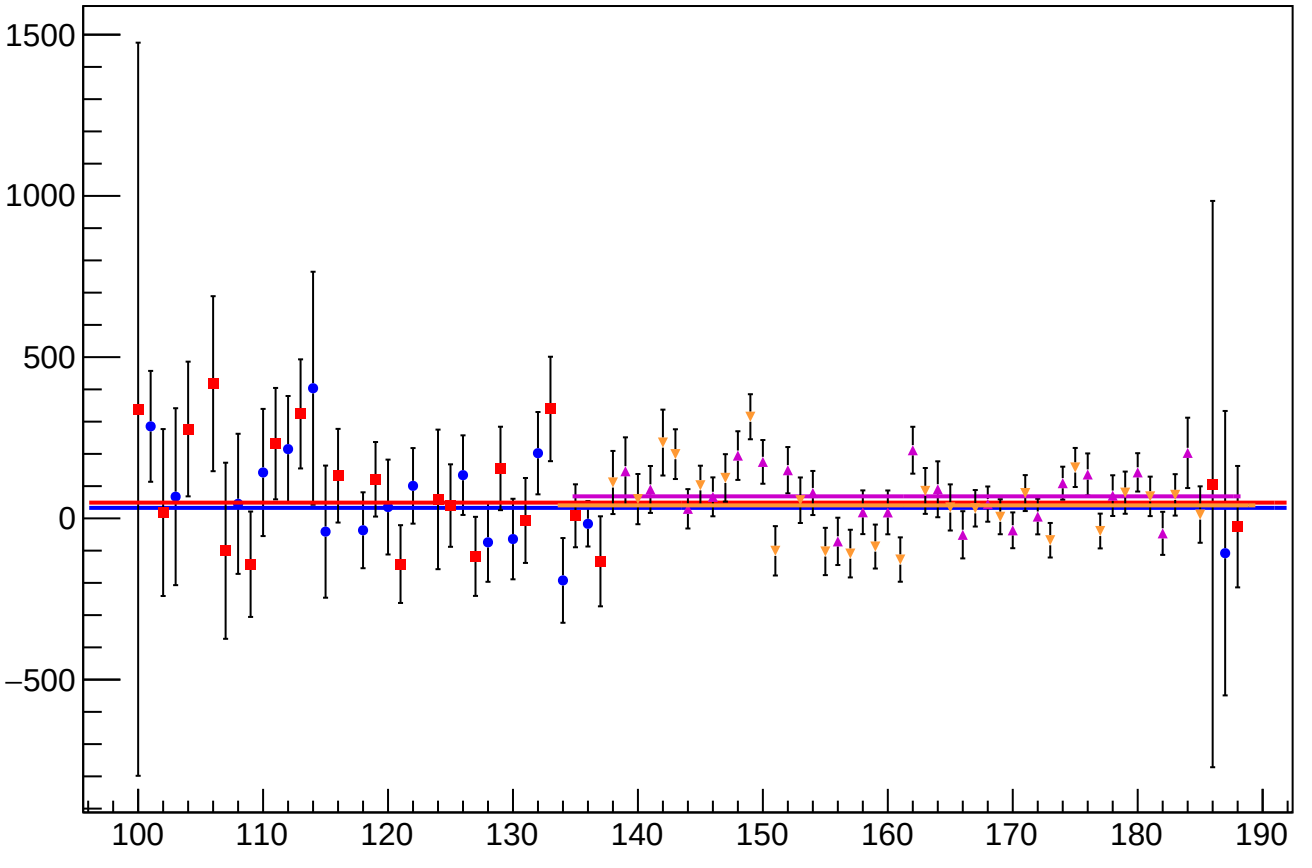
Left: 0.000+/-0.000 χ^2/NDF: 4174620.9/47

Right: 0.000+/-0.000 χ^2/NDF: 8946361.2/37

In: 0.000+/-0.000 χ^2/NDF:8656616.8/39

Out: 0.000+/-0.000 χ^2/NDF:9711913.0/45

All: 0.000+/-0.000 χ^2/NDF: 18369241.2/85



Right In: 32.602+/-33.781 χ^2/NDF: 12.9/16

Left Out: 40.342+/-13.402 χ^2/NDF:59.4/24

Right Out: 48.871+/-34.243 χ^2/NDF: 19.7/20

Left In: 68.344+/-13.866 χ^2/NDF:31.8/22

Left: 53.866+/-9.637 χ^2/NDF: 93.3/47

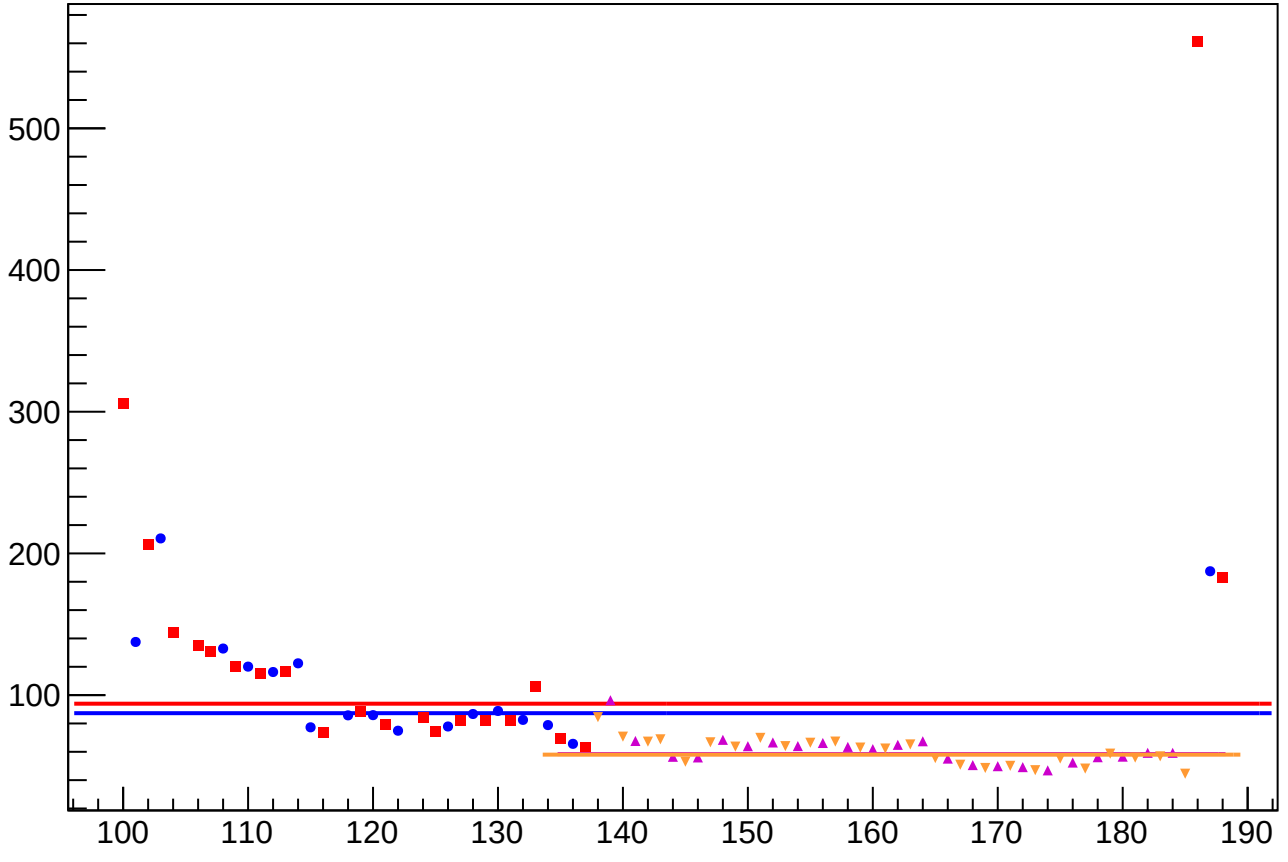
Right: 40.626+/-24.048 χ^2/NDF: 32.8/37

In: 63.190+/-12.828 χ^2/NDF:45.6/39

Out: 41.475+/-12.480 χ^2/NDF:79.2/45

All: 52.035+/-8.945 χ^2/NDF: 126.3/85

reg_asym_sam_3726_avg_rms vs Slug, Sign Corrected



Right In: 87.257+/-0.024 χ^2/NDF: 1142599.9/16

Left Out: 57.996+/-0.009 χ^2/NDF:807648.8/24

Right Out: 93.950+/-0.024 χ^2/NDF: 2190429.5/20

Left In: 58.397+/-0.010 χ^2/NDF:735208.2/22

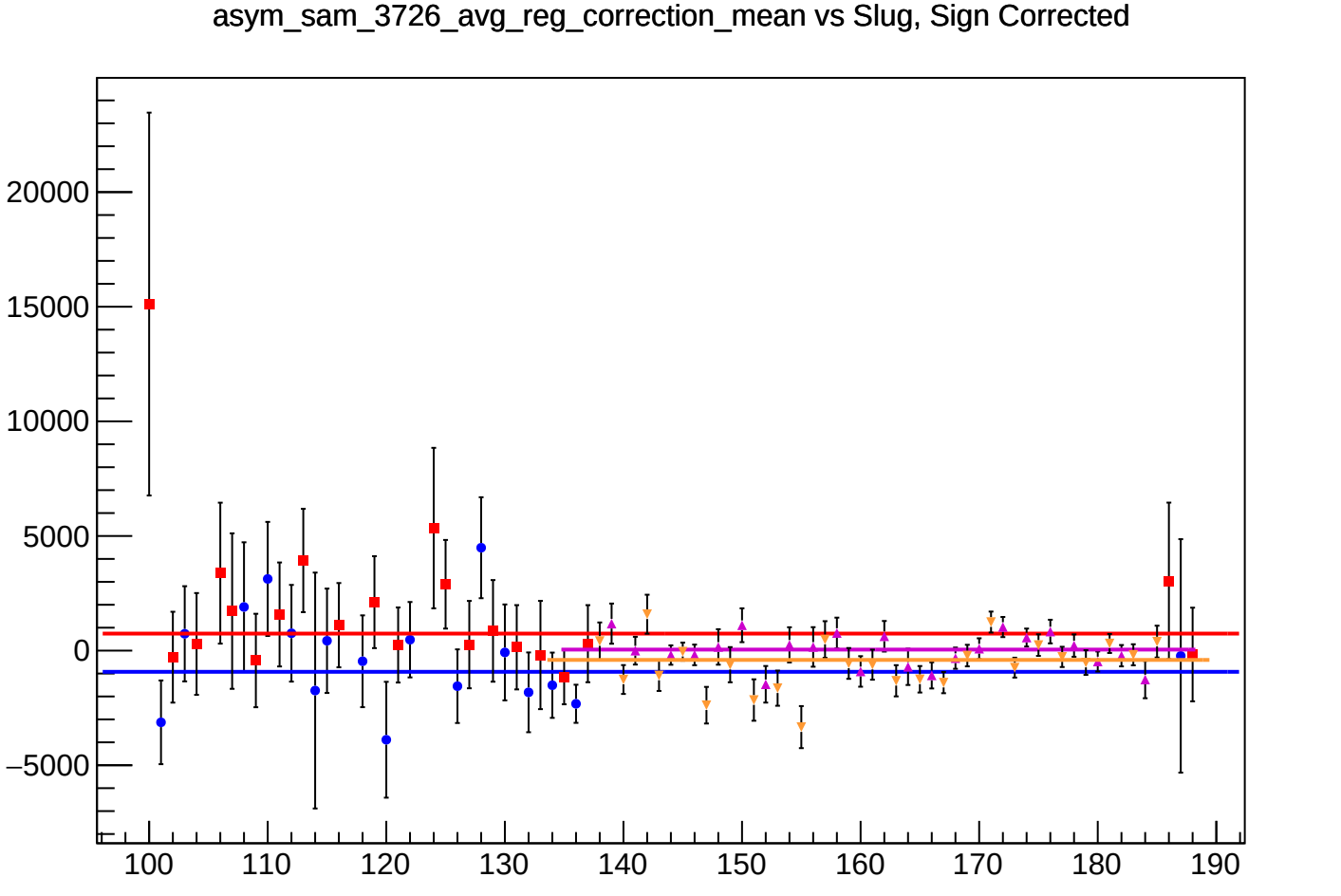
Left: 58.189+/-0.007 χ^2/NDF: 1543722.5/47

Right: 90.558+/-0.017 χ^2/NDF: 3371746.5/37

In: 62.558+/-0.009 χ^2/NDF:3127116.1/39

Out: 62.771+/-0.009 χ^2/NDF:4910124.0/45

All: 62.668+/-0.006 χ^2/NDF: 8037524.0/85



Right In: -924.612+/-439.249 χ^2/NDF: 18.5/16

Left Out: -406.322+/-113.468 χ^2/NDF:63.2/24

Right Out: 742.455+/-452.073 χ^2/NDF: 13.7/20

Left In: 44.831+/-115.765 χ^2/NDF:31.1/22

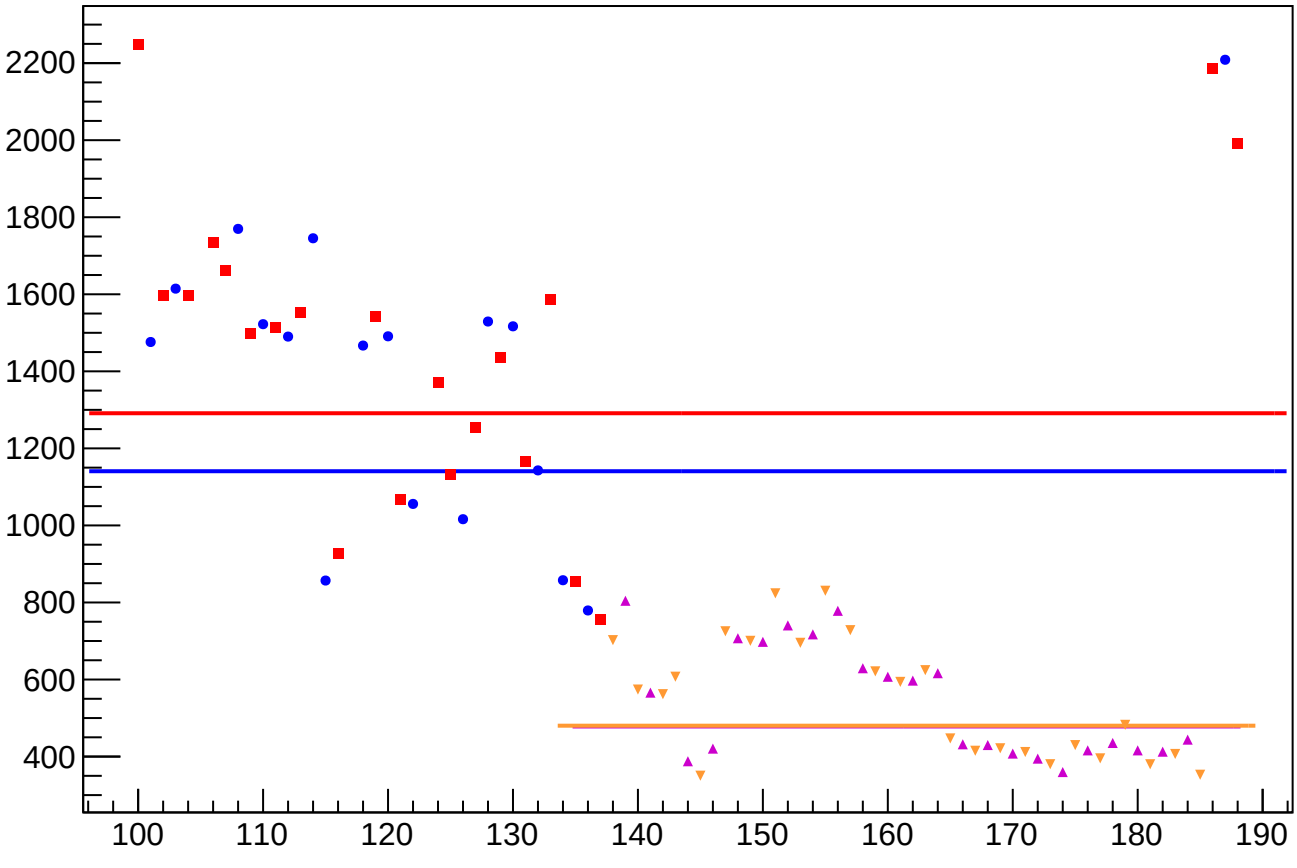
Left: -185.266+/-81.034 χ^2/NDF: 102.0/47

Right: -115.058+/-315.032 χ^2/NDF: 39.2/37

In: -18.133+/-111.943 χ^2/NDF:54.2/39

Out: -338.240+/-110.054 χ^2/NDF:82.9/45

All: -180.909+/-78.479 χ^2/NDF: 141.2/85



Right In: 1140.697+/-0.311 χ^2/NDF: 1212822.9/16

Left Out: 480.162+/-0.080 χ^2/NDF:2582213.9/24

Right Out: 1291.201+/-0.320 χ^2/NDF: 1294753.1/20

Left In: 478.084+/-0.082 χ^2/NDF:2215520.4/22

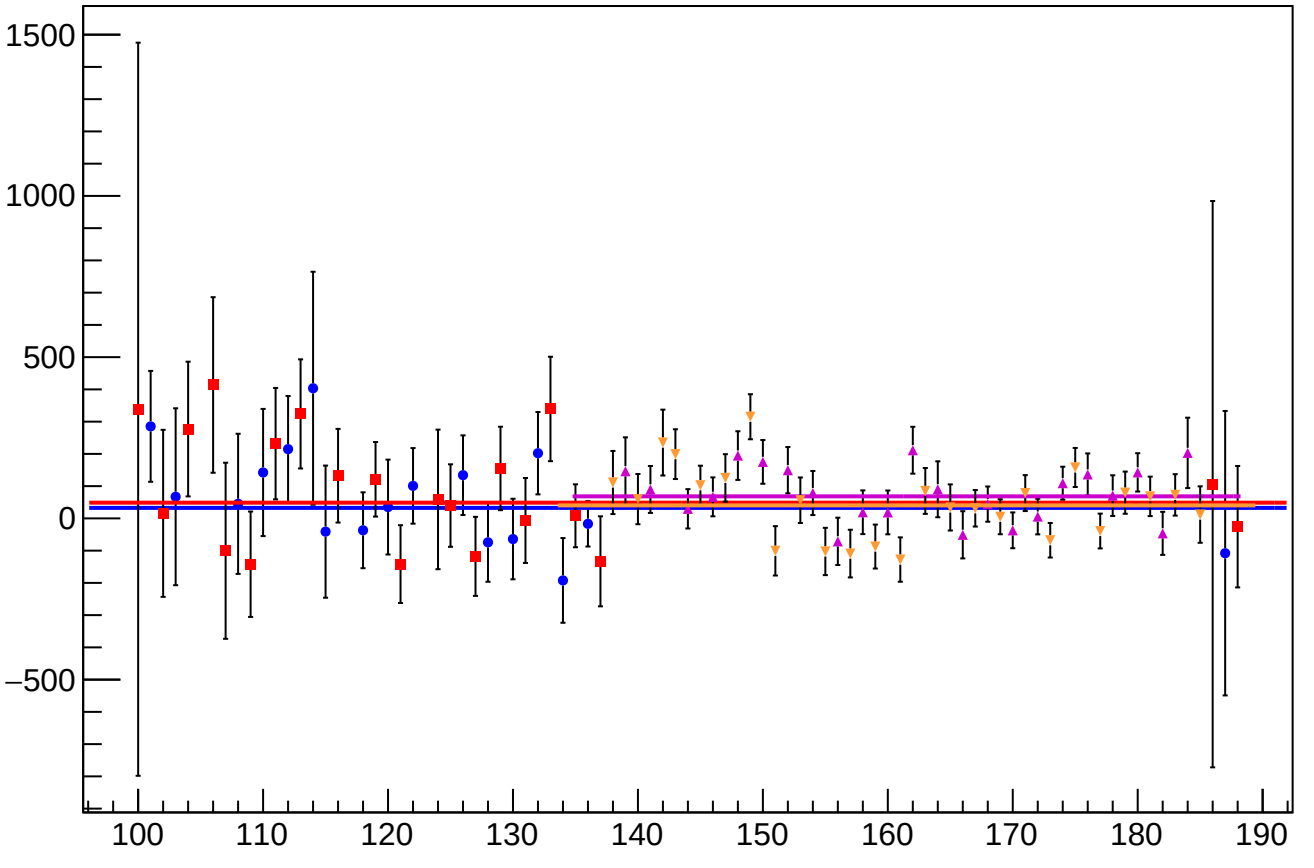
Left: 479.144+/-0.057 χ^2/NDF: 4798063.1/47

Right: 1213.784+/-0.223 χ^2/NDF: 2621599.8/37

In: 521.119+/-0.079 χ^2/NDF:7683977.6/39

Out: 528.228+/-0.078 χ^2/NDF:9932667.2/45

All: 524.734+/-0.055 χ^2/NDF: 17620745.8/85



Right In: 32.593+/-33.781 χ^2/NDF: 12.9/16

Left Out: 40.344+/-13.402 χ^2/NDF:59.4/24

Right Out: 48.727+/-34.245 χ^2/NDF: 19.7/20

Left In: 68.343+/-13.866 χ^2/NDF:31.7/22

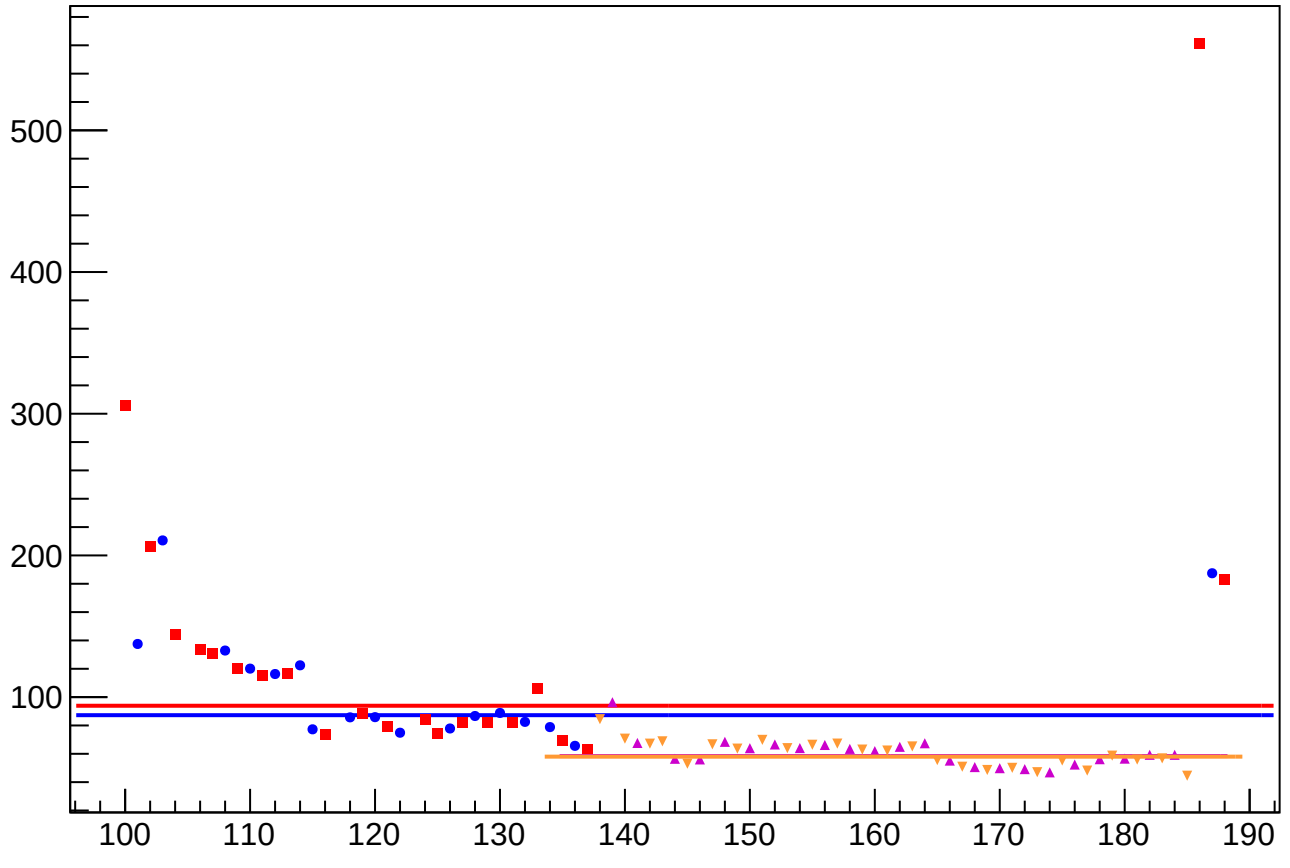
Left: 53.867+/-9.637 χ^2/NDF: 93.3/47

Right: 40.550+/-24.049 χ^2/NDF: 32.7/37

In: 63.188+/-12.828 χ^2/NDF:45.6/39

Out: 41.458+/-12.480 χ^2/NDF:79.1/45

All: 52.025+/-8.945 χ^2/NDF: 126.2/85



Right In: 87.257+/-0.024 χ^2/NDF: 1142602.8/16

Left Out: 57.996+/-0.009 χ^2/NDF:807648.7/24

Right Out: 93.915+/-0.024 χ^2/NDF: 2186196.6/20

Left In: 58.397+/-0.010 χ^2/NDF:735208.2/22

Left: 58.189+/-0.007 χ^2/NDF: 1543722.4/47

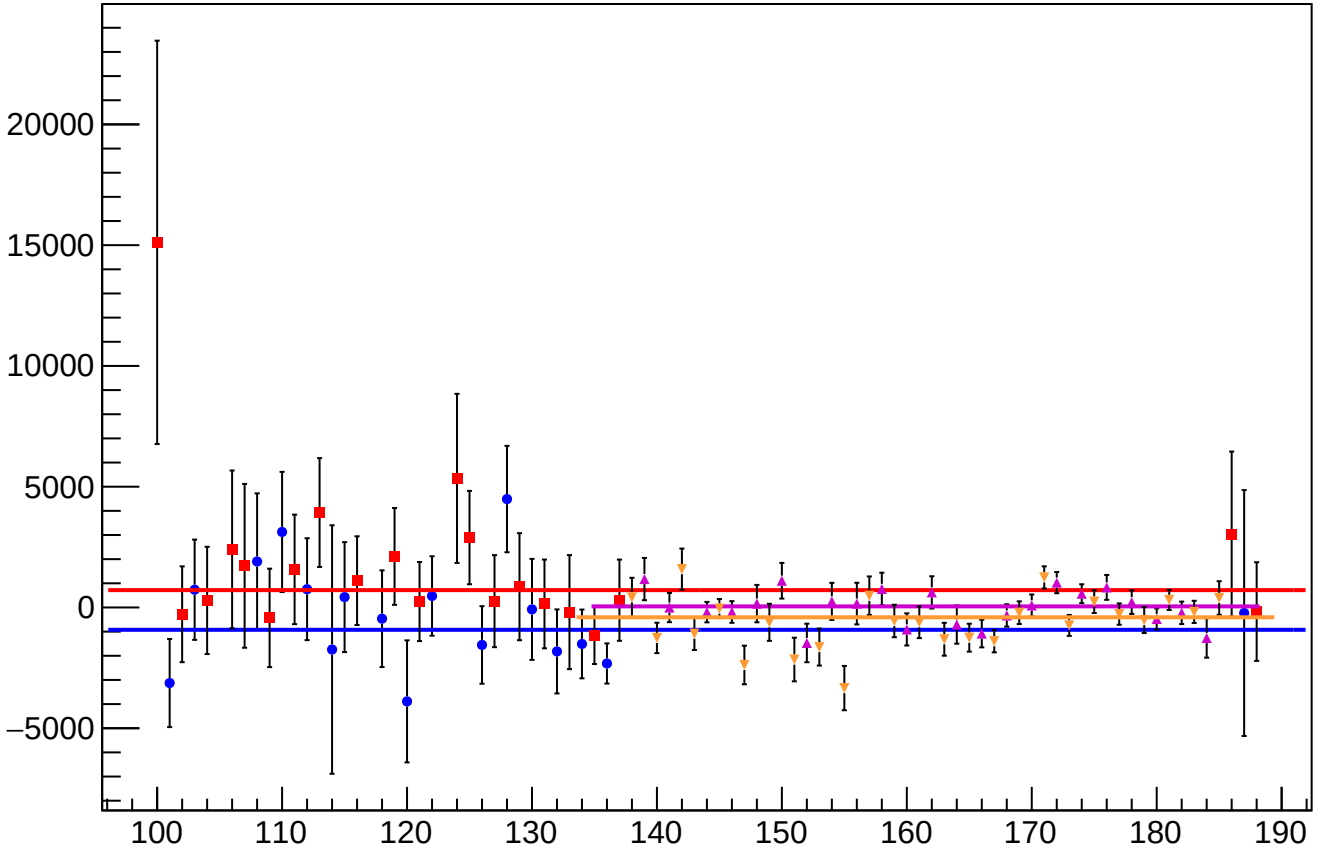
Right: 90.541+/-0.017 χ^2/NDF: 3367106.3/37

In: 62.558+/-0.009 χ^2/NDF:3127118.4/39

Out: 62.766+/-0.009 χ^2/NDF:4901937.6/45

All: 62.665+/-0.006 χ^2/NDF: 8029326.1/85

asym_sam_3726_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -924.579+/-439.250 χ^2/NDF: 18.5/16

Left Out: -406.320+/-113.468 χ^2/NDF:63.2/24

Right Out: 717.614+/-452.648 χ^2/NDF: 13.2/20

Left In: 44.830+/-115.765 χ^2/NDF:31.1/22

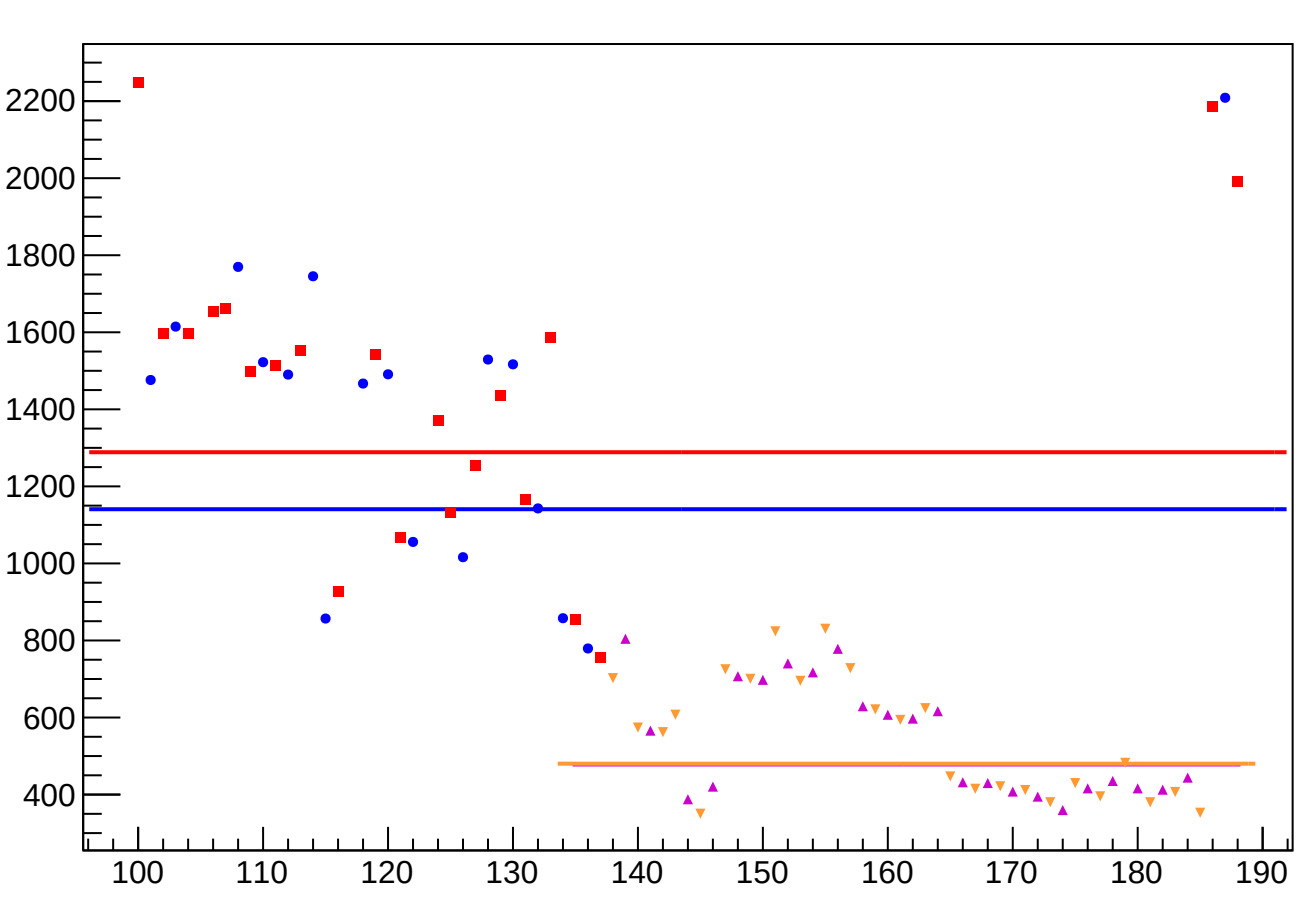
Left: -185.266+/-81.034 χ^2/NDF: 102.0/47

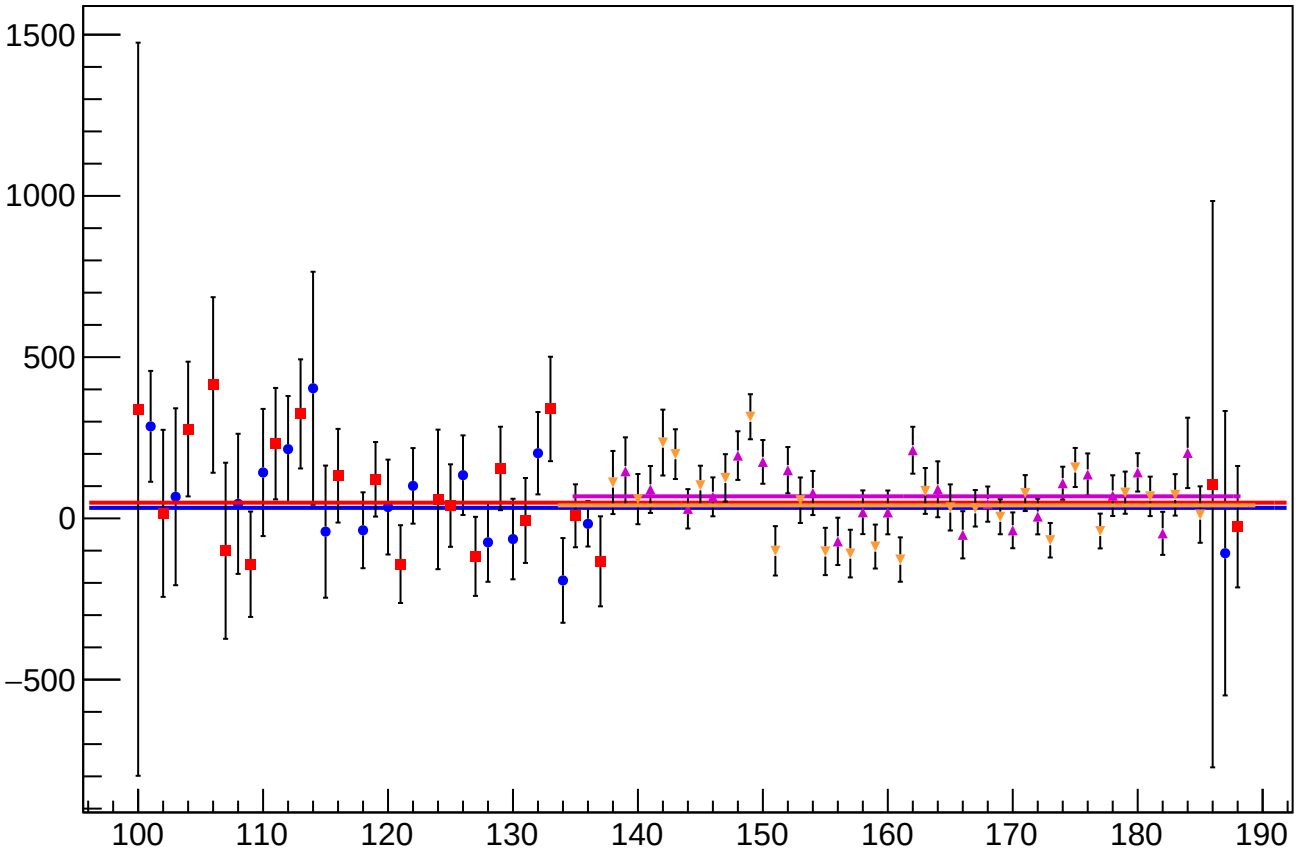
Right: -128.144+/-315.227 χ^2/NDF: 38.5/37

In: -18.131+/-111.943 χ^2/NDF:54.2/39

Out: -339.870+/-110.062 χ^2/NDF:82.2/45

All: -181.725+/-78.482 χ^2/NDF: 140.5/85


asym_sam_3726_avg_cor_correction_rms vs Slug, Sign Corrected
2200
2000
1800
1600
1400
1200
1000
800
600
400
100
110
120
130
140
150
160
170
180
190
Right In: 1140.698+/-0.311 χ²/NDF: 1212858.7/16
Left Out: 480.162+/-0.080 χ²/NDF:2582209.1/24
Right Out: 1288.647+/-0.320 χ²/NDF: 1278466.1/20
Left In: 478.084+/-0.082 χ²/NDF:2215518.9/22
Left: 479.144+/-0.057 χ²/NDF: 4798056.8/47
Right: 1212.451+/-0.223 χ²/NDF: 2601365.5/37
In: 521.119+/-0.079 χ²/NDF:7684004.7/39
Out: 527.962+/-0.078 χ²/NDF:9863927.5/45
All: 524.599+/-0.055 χ²/NDF: 17551731.9/85



Right In: 32.593+/-33.781 χ^2/NDF: 12.9/16

Left Out: 40.344+/-13.402 χ^2/NDF:59.4/24

Right Out: 48.727+/-34.245 χ^2/NDF: 19.7/20

Left In: 68.343+/-13.866 χ^2/NDF:31.7/22

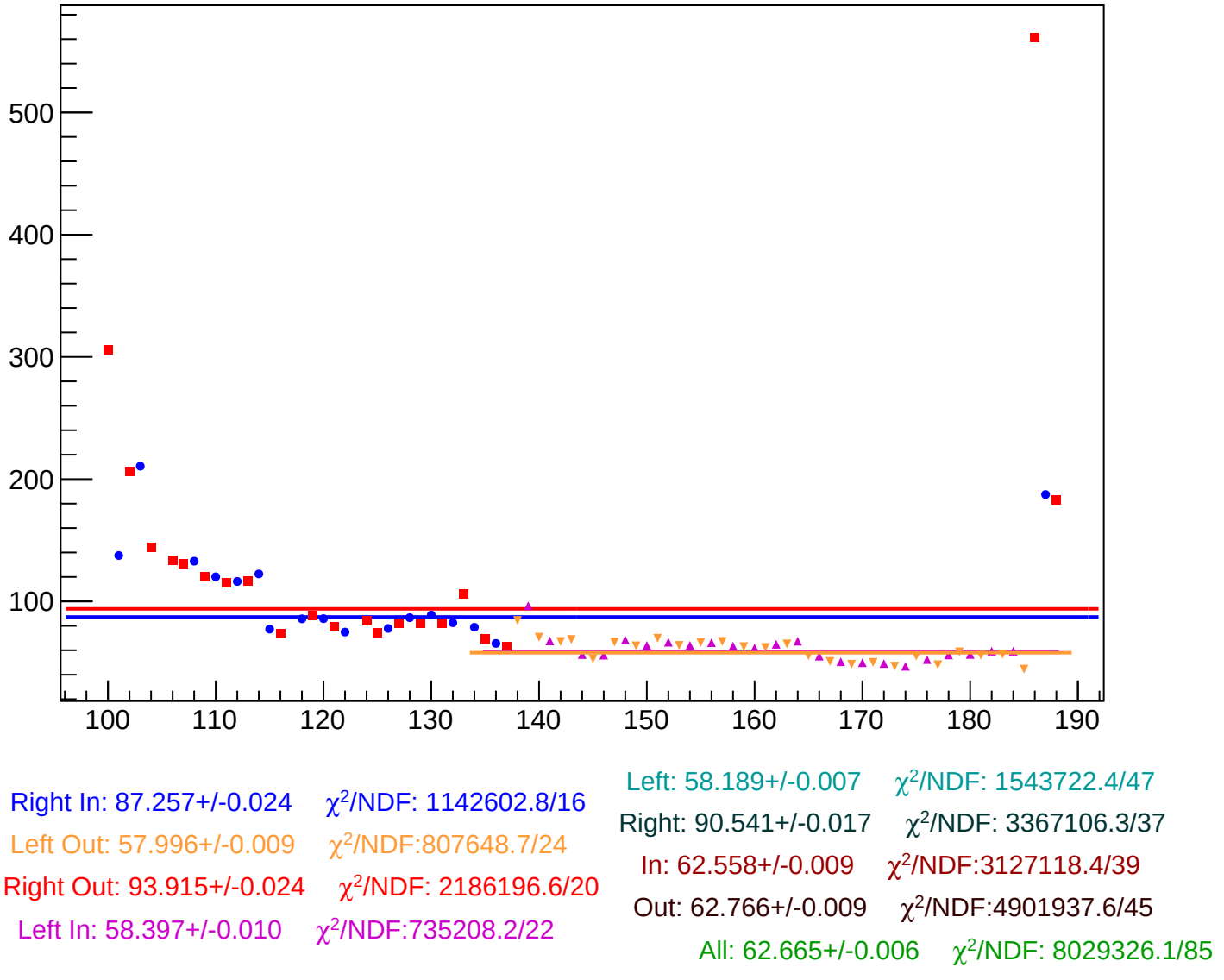
Left: 53.867+/-9.637 χ^2/NDF: 93.3/47

Right: 40.550+/-24.049 χ^2/NDF: 32.7/37

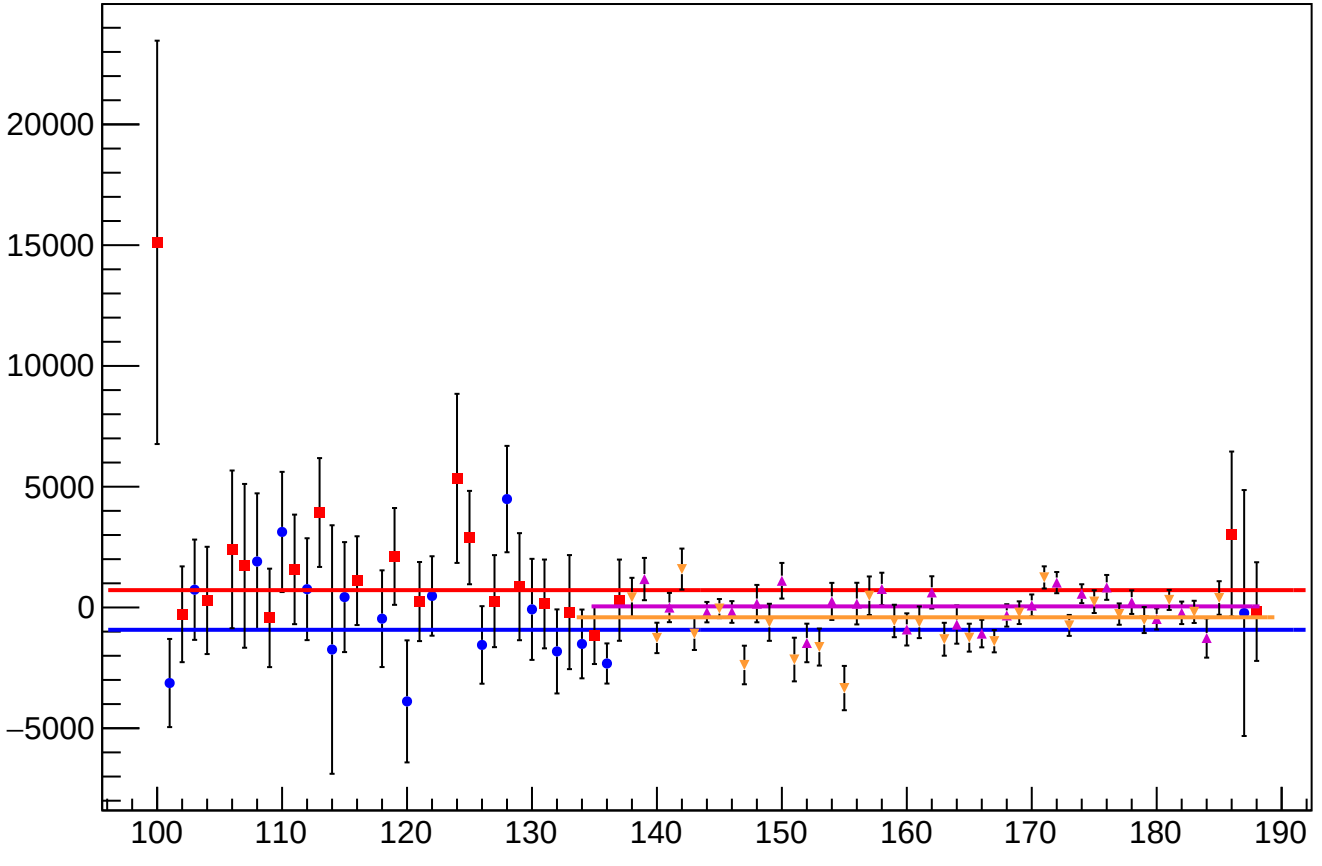
In: 63.188+/-12.828 χ^2/NDF:45.6/39

Out: 41.458+/-12.480 χ^2/NDF:79.1/45

All: 52.025+/-8.945 χ^2/NDF: 126.2/85


eigen_cor_asym_sam_3726_avg_rms vs Slug, Sign Corrected
500
400
300
200
100
100
110
120
130
140
150
160
170
180
190
Right In: 87.257+/-0.024 χ²/NDF: 1142602.8/16
Left Out: 57.996+/-0.009 χ²/NDF:807648.7/24
Right Out: 93.915+/-0.024 χ²/NDF: 2186196.6/20
Left In: 58.397+/-0.010 χ²/NDF:735208.2/22
Left: 58.189+/-0.007 χ²/NDF: 1543722.4/47
Right: 90.541+/-0.017 χ²/NDF: 3367106.3/37
In: 62.558+/-0.009 χ²/NDF:3127118.4/39
Out: 62.766+/-0.009 χ²/NDF:4901937.6/45
All: 62.665+/-0.006 χ²/NDF: 8029326.1/85

asym_sam_3726_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -924.579+/-439.250 χ^2/NDF: 18.5/16

Left Out: -406.320+/-113.468 χ^2/NDF:63.2/24

Right Out: 717.614+/-452.648 χ^2/NDF: 13.2/20

Left In: 44.830+/-115.765 χ^2/NDF:31.1/22

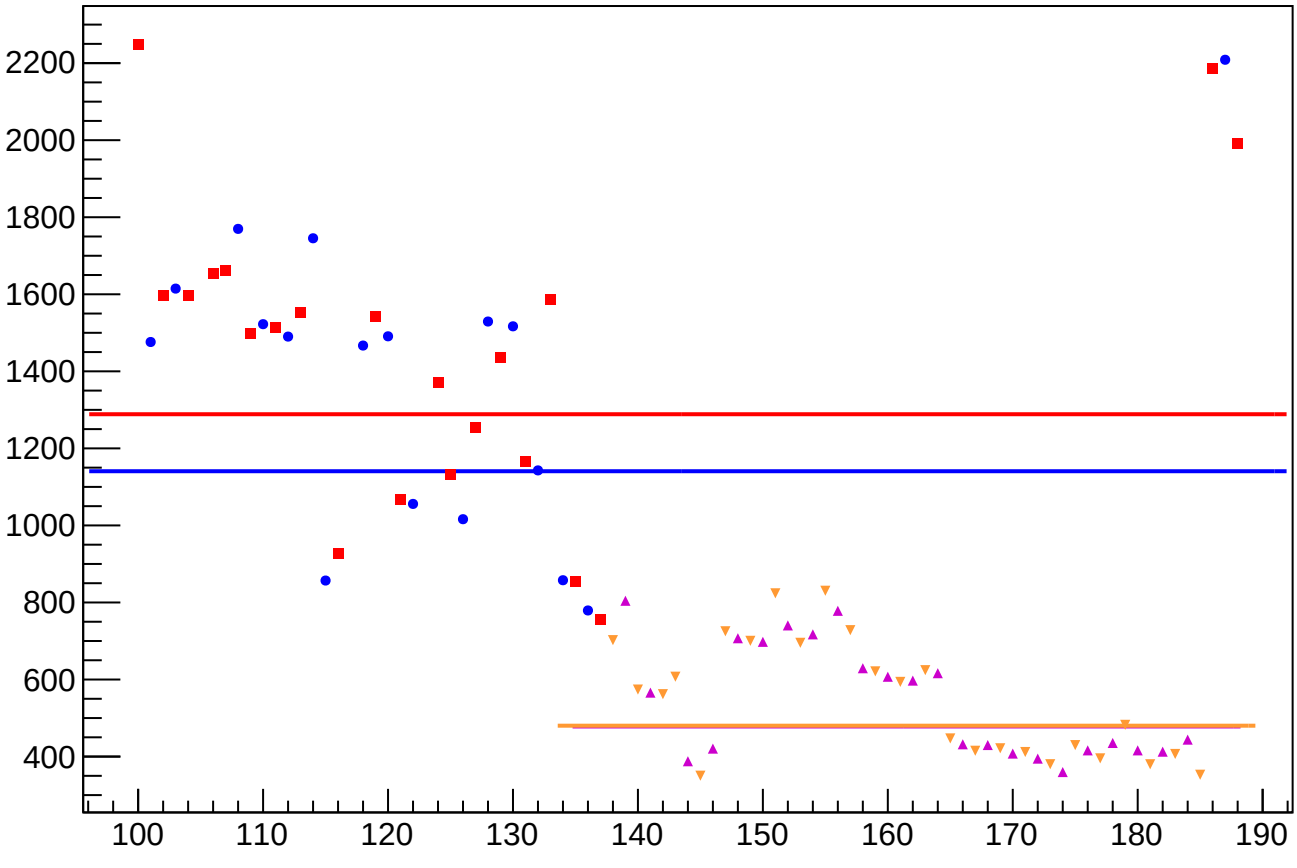
Left: -185.266+/-81.034 χ^2/NDF: 102.0/47

Right: -128.144+/-315.227 χ^2/NDF: 38.5/37

In: -18.131+/-111.943 χ^2/NDF:54.2/39

Out: -339.870+/-110.062 χ^2/NDF:82.2/45

All: -181.725+/-78.482 χ^2/NDF: 140.5/85



Right In: 1140.698+/-0.311 χ^2/NDF: 1212858.7/16

Left Out: 480.162+/-0.080 χ^2/NDF:2582209.1/24

Right Out: 1288.647+/-0.320 χ^2/NDF: 1278466.1/20

Left In: 478.084+/-0.082 χ^2/NDF:2215518.9/22

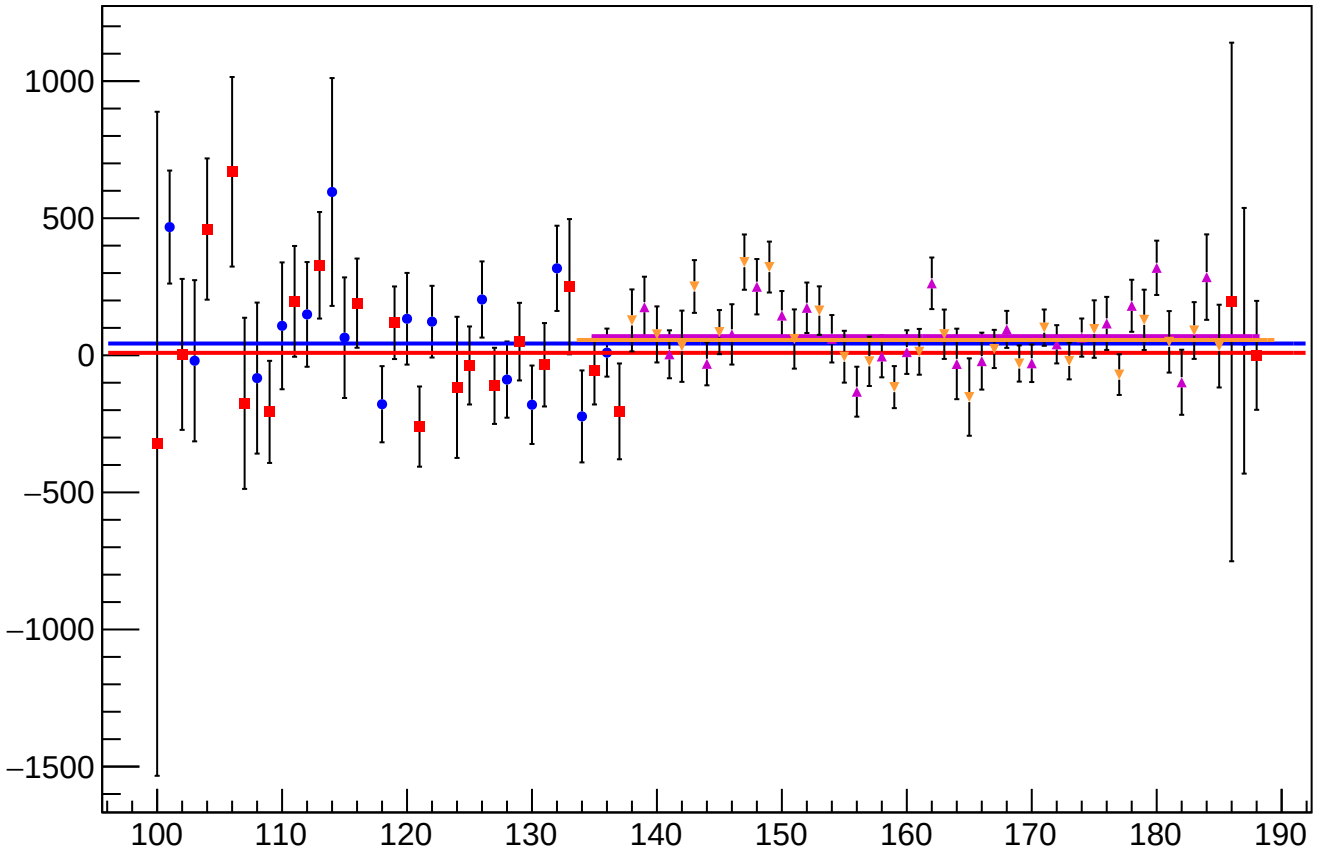
Left: 479.144+/-0.057 χ^2/NDF: 4798056.8/47

Right: 1212.451+/-0.223 χ^2/NDF: 2601365.5/37

In: 521.119+/-0.079 χ^2/NDF:7684004.7/39

Out: 527.962+/-0.078 χ^2/NDF:9863927.5/45

All: 524.599+/-0.055 χ^2/NDF: 17551731.9/85



Right In: 42.983+/-39.813 χ^2/NDF: 20.3/16

Left Out: 55.949+/-17.949 χ^2/NDF:38.3/24

Right Out: 8.952+/-40.173 χ^2/NDF: 21.4/20

Left In: 69.844+/-18.497 χ^2/NDF:34.5/22

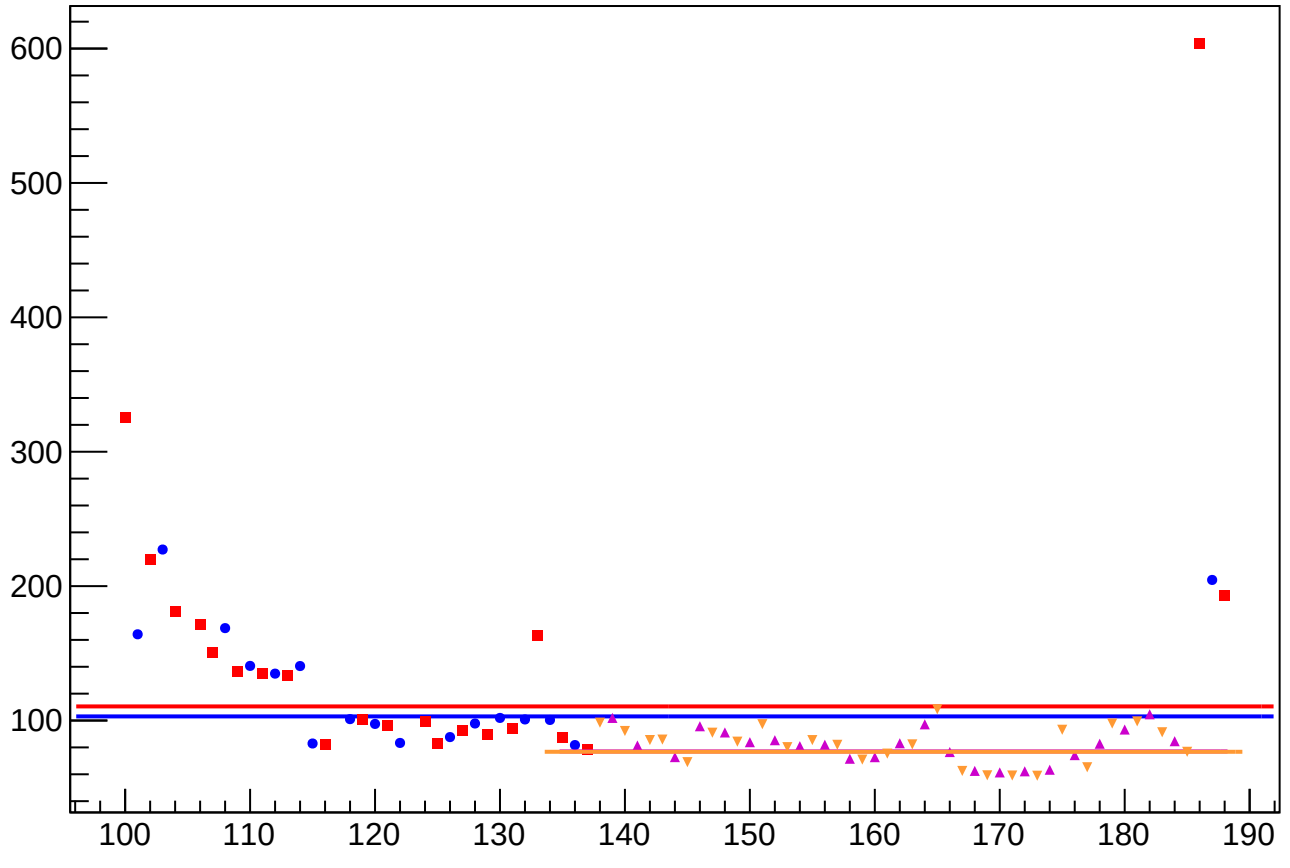
Left: 62.687+/-12.881 χ^2/NDF: 73.1/47

Right: 26.121+/-28.278 χ^2/NDF: 42.1/37

In: 65.075+/-16.775 χ^2/NDF:55.2/39

Out: 48.128+/-16.388 χ^2/NDF:60.8/45

All: 56.404+/-11.722 χ^2/NDF: 116.6/85



Right In: 103.069+/-0.028 χ^2/NDF: 1070765.7/16

Left Out: 76.744+/-0.013 χ^2/NDF:1234629.1/24

Right Out: 110.500+/-0.028 χ^2/NDF: 2106494.2/20

Left In: 77.018+/-0.013 χ^2/NDF:858871.7/22

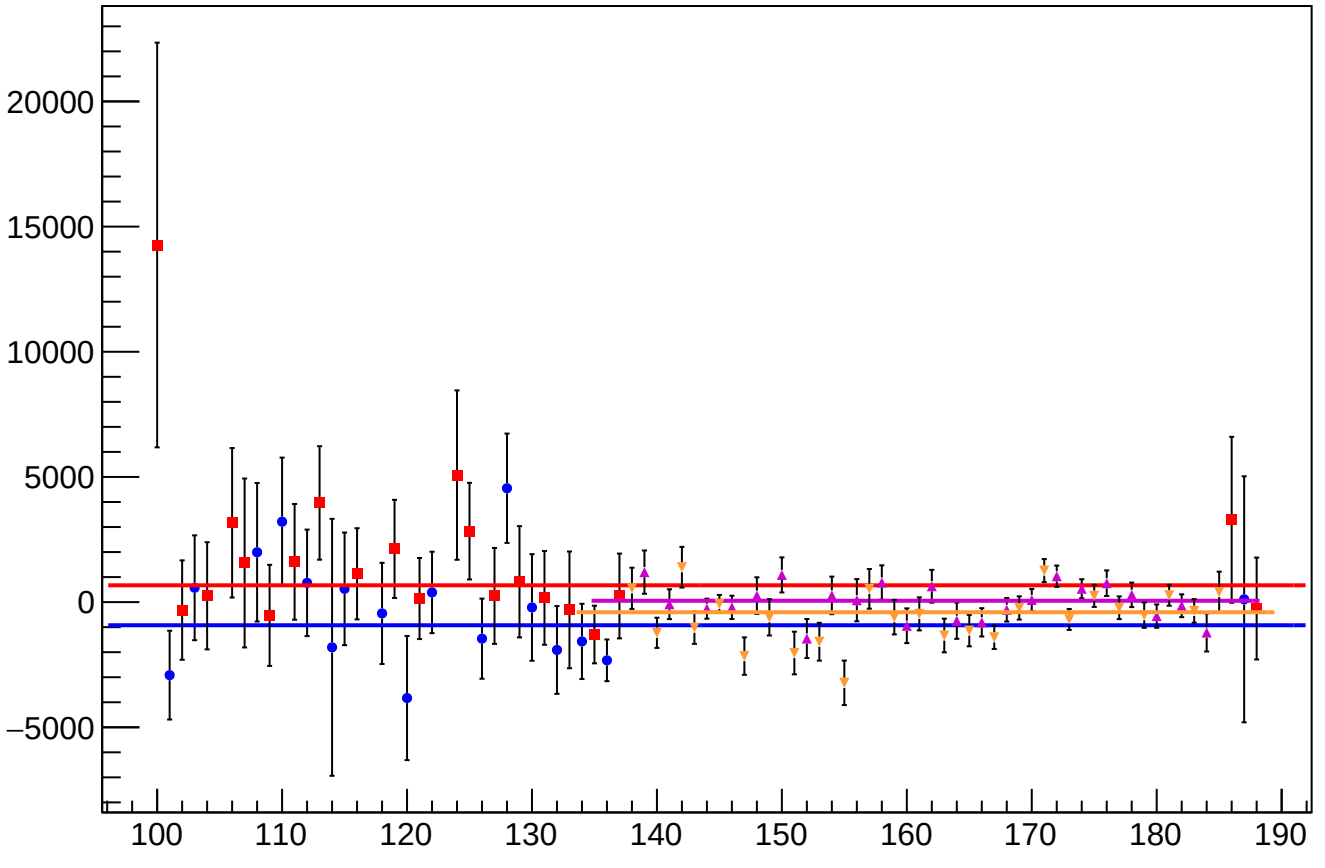
Left: 76.877+/-0.009 χ^2/NDF: 2093727.3/47

Right: 106.751+/-0.020 χ^2/NDF: 3211786.2/37

In: 81.643+/-0.012 χ^2/NDF:2633924.5/39

Out: 82.361+/-0.012 χ^2/NDF:4518233.6/45

All: 82.010+/-0.008 χ^2/NDF: 7154034.4/85



Right In: -923.971+/-440.939 χ^2/NDF: 18.5/16

Left Out: -403.375+/-111.773 χ^2/NDF:60.7/24

Right Out: 671.738+/-447.528 χ^2/NDF: 14.3/20

Left In: 54.192+/-114.223 χ^2/NDF:30.7/22

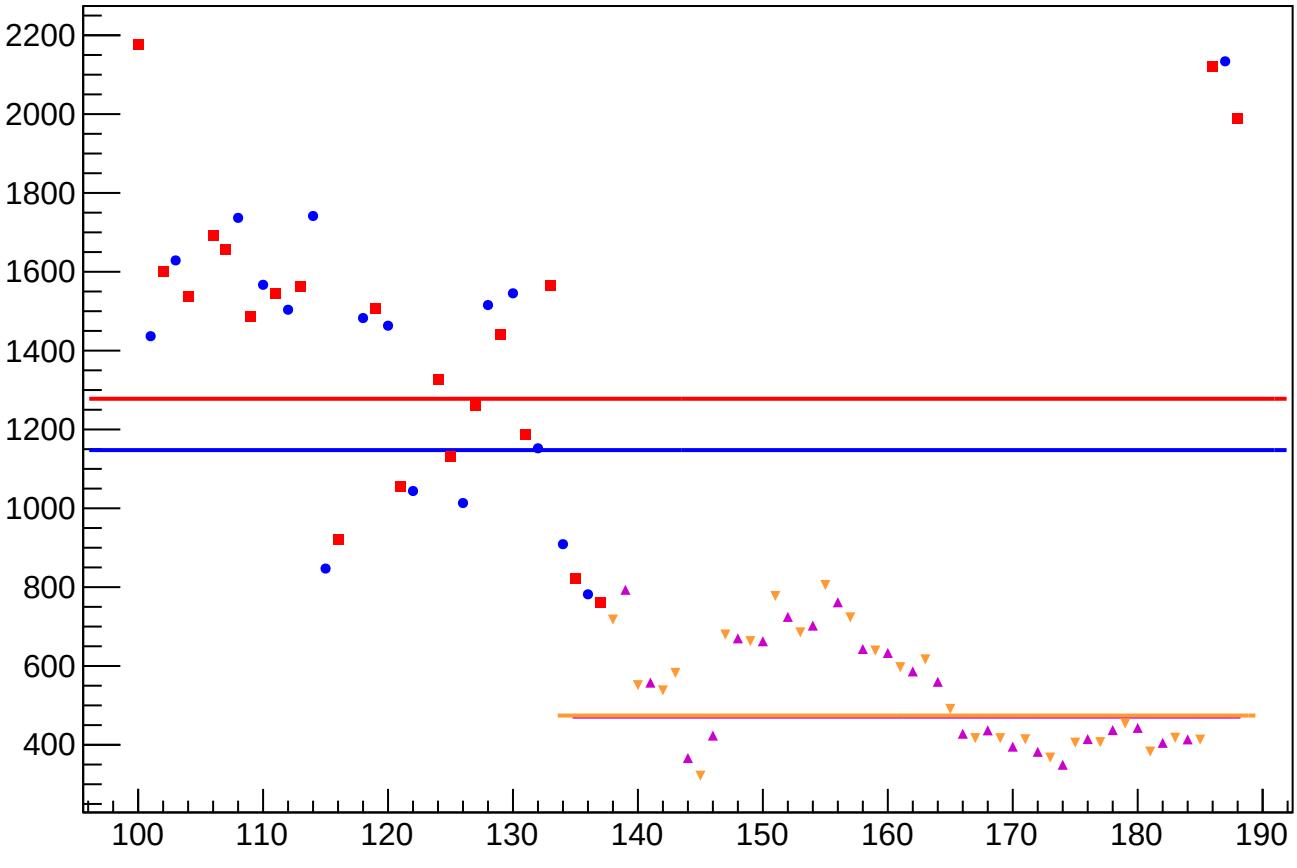
Left: -179.552+/-79.888 χ^2/NDF: 99.6/47

Right: -137.950+/-314.095 χ^2/NDF: 39.3/37

In: -7.320+/-110.574 χ^2/NDF:53.8/39

Out: -340.249+/-108.442 χ^2/NDF:80.5/45

All: -177.024+/-77.423 χ^2/NDF: 138.9/85



Right In: 1147.662+/-0.312 χ^2/NDF: 1174614.0/16

Left Out: 474.294+/-0.079 χ^2/NDF:2538995.4/24

Right Out: 1277.883+/-0.316 χ^2/NDF: 1321669.0/20

Left In: 471.456+/-0.081 χ^2/NDF:2209343.4/22

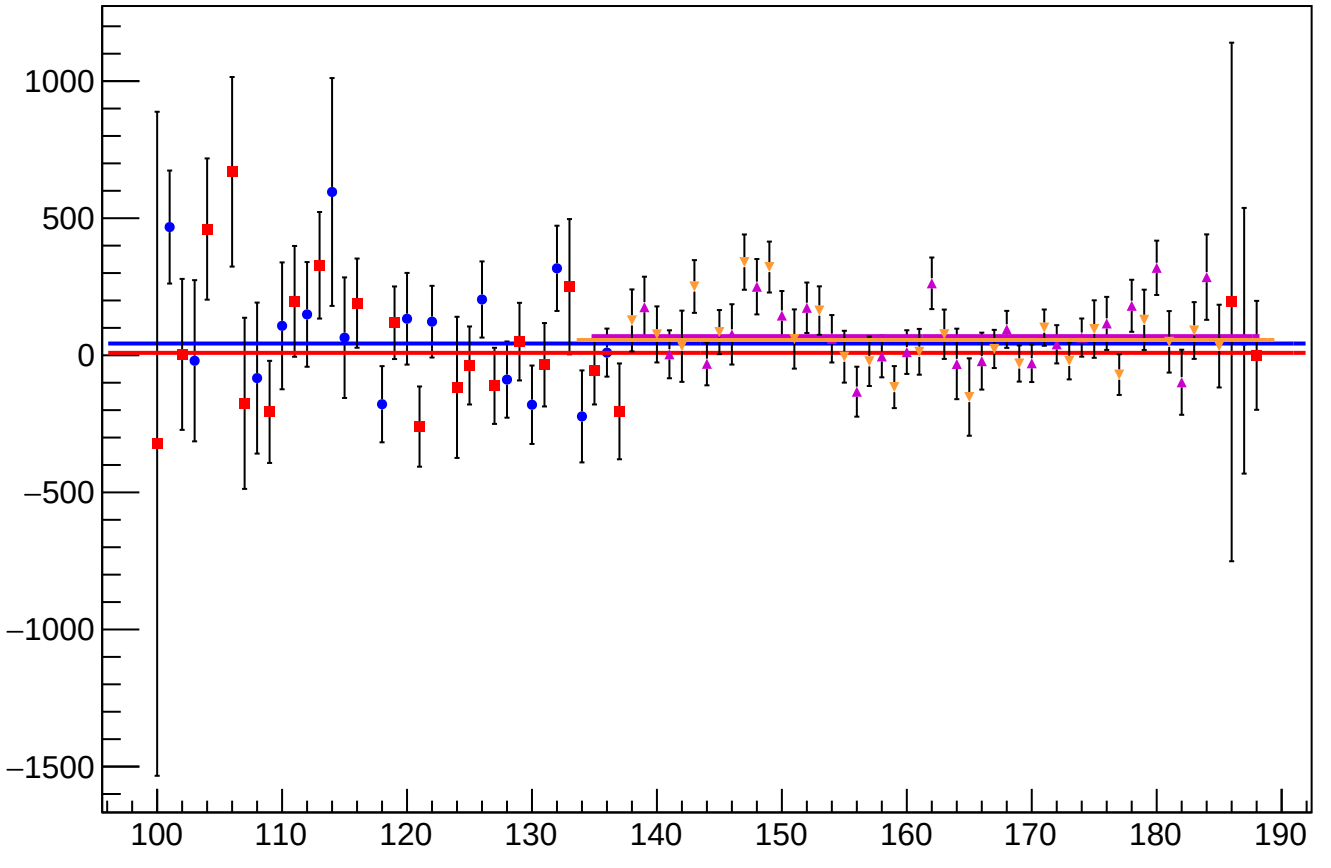
Left: 472.906+/-0.056 χ^2/NDF: 4748969.5/47

Right: 1211.807+/-0.222 χ^2/NDF: 2582207.9/37

In: 513.979+/-0.078 χ^2/NDF:7791780.2/39

Out: 521.477+/-0.077 χ^2/NDF:9930519.0/45

All: 517.801+/-0.055 χ^2/NDF: 17726987.4/85



Right In: 42.983+/-39.813 χ^2/NDF: 20.3/16

Left Out: 55.948+/-17.949 χ^2/NDF:38.3/24

Right Out: 8.949+/-40.173 χ^2/NDF: 21.4/20

Left In: 69.843+/-18.497 χ^2/NDF:34.5/22

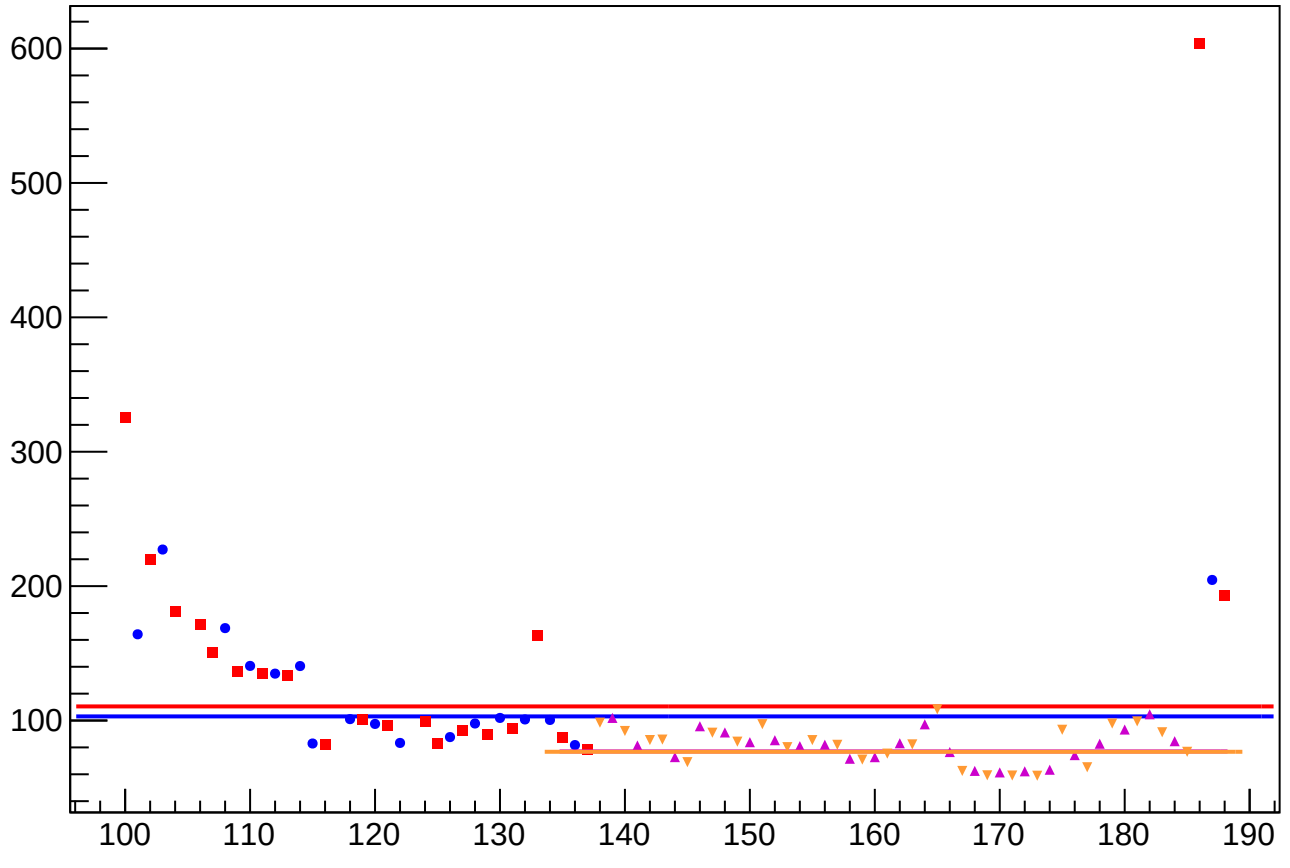
Left: 62.687+/-12.881 χ^2/NDF: 73.1/47

Right: 26.120+/-28.278 χ^2/NDF: 42.1/37

In: 65.075+/-16.775 χ^2/NDF:55.2/39

Out: 48.127+/-16.388 χ^2/NDF:60.8/45

All: 56.403+/-11.722 χ^2/NDF: 116.6/85



Right In: 103.069+/-0.028 χ^2/NDF: 1070763.2/16

Left Out: 76.744+/-0.013 χ^2/NDF:1234627.7/24

Right Out: 110.500+/-0.028 χ^2/NDF: 2106500.4/20

Left In: 77.018+/-0.013 χ^2/NDF:858863.2/22

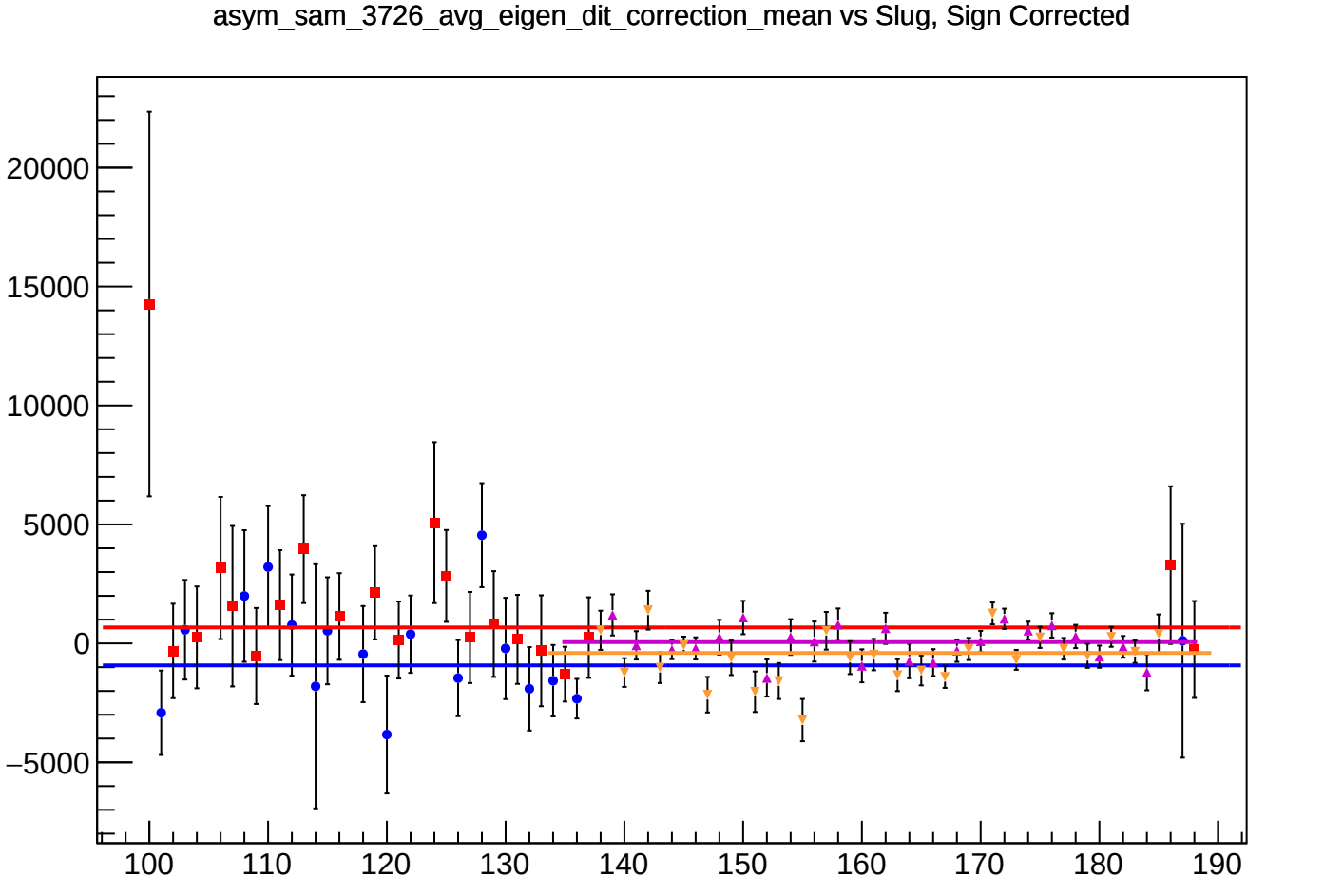
Left: 76.877+/-0.009 χ^2/NDF: 2093717.5/47

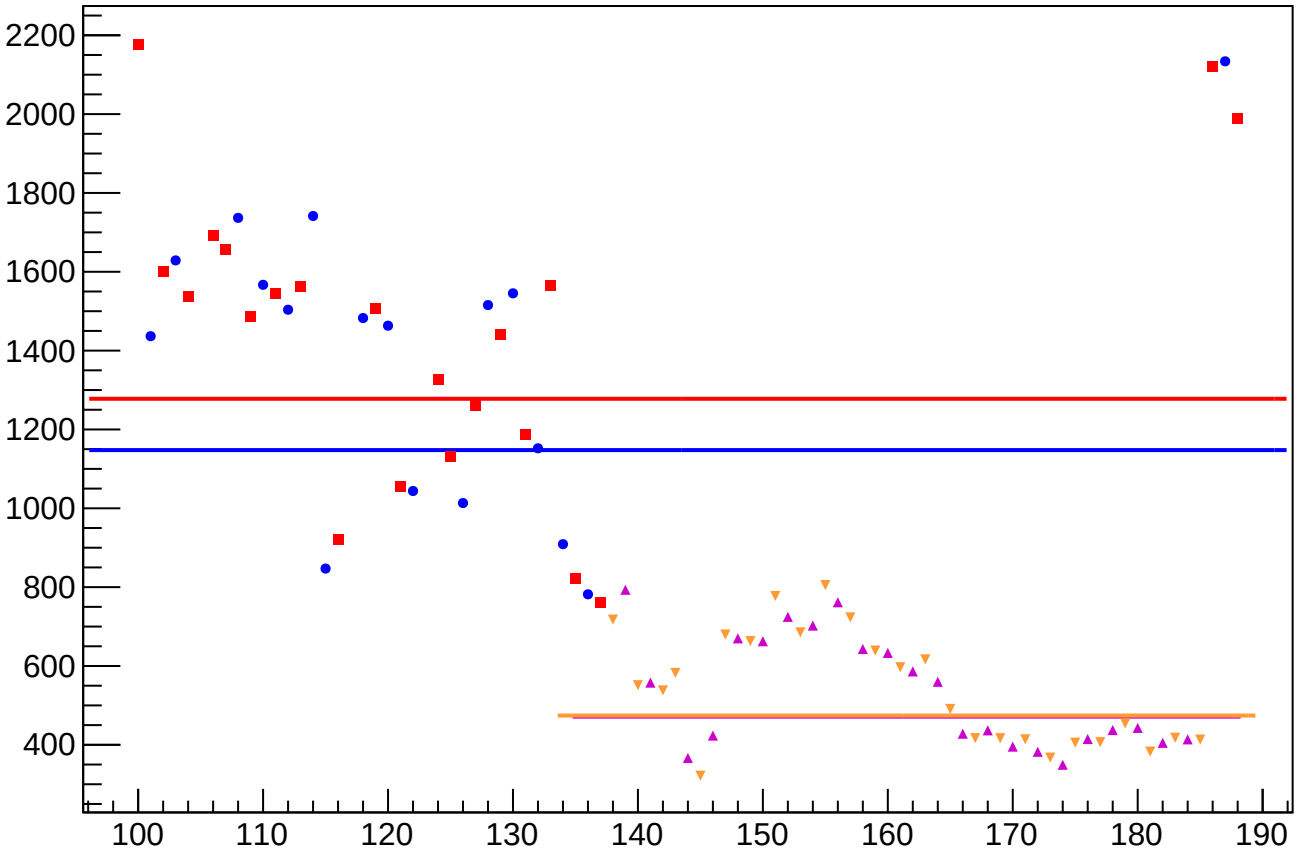
Right: 106.751+/-0.020 χ^2/NDF: 3211791.4/37

In: 81.643+/-0.012 χ^2/NDF:2633887.1/39

Out: 82.361+/-0.012 χ^2/NDF:4518214.1/45

All: 82.010+/-0.008 χ^2/NDF: 7153977.4/85


asym_sam_3726_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
100
110
120
130
140
150
160
170
180
190
Right In: -923.966+/-440.938 χ²/NDF: 18.5/16
Left Out: -403.375+/-111.773 χ²/NDF:60.7/24
Right Out: 671.739+/-447.527 χ²/NDF: 14.3/20
Left In: 54.192+/-114.223 χ²/NDF:30.7/22
Left: -179.551+/-79.888 χ²/NDF: 99.6/47
Right: -137.948+/-314.094 χ²/NDF: 39.3/37
In: -7.319+/-110.573 χ²/NDF:53.8/39
Out: -340.248+/-108.442 χ²/NDF:80.5/45
All: -177.024+/-77.423 χ²/NDF: 138.9/85



Right In: 1147.661+/-0.312 χ^2/NDF: 1174600.9/16

Left Out: 474.294+/-0.079 χ^2/NDF:2538999.2/24

Right Out: 1277.881+/-0.316 χ^2/NDF: 1321659.4/20

Left In: 471.456+/-0.081 χ^2/NDF:2209338.4/22

Left: 472.905+/-0.056 χ^2/NDF: 4748968.3/47

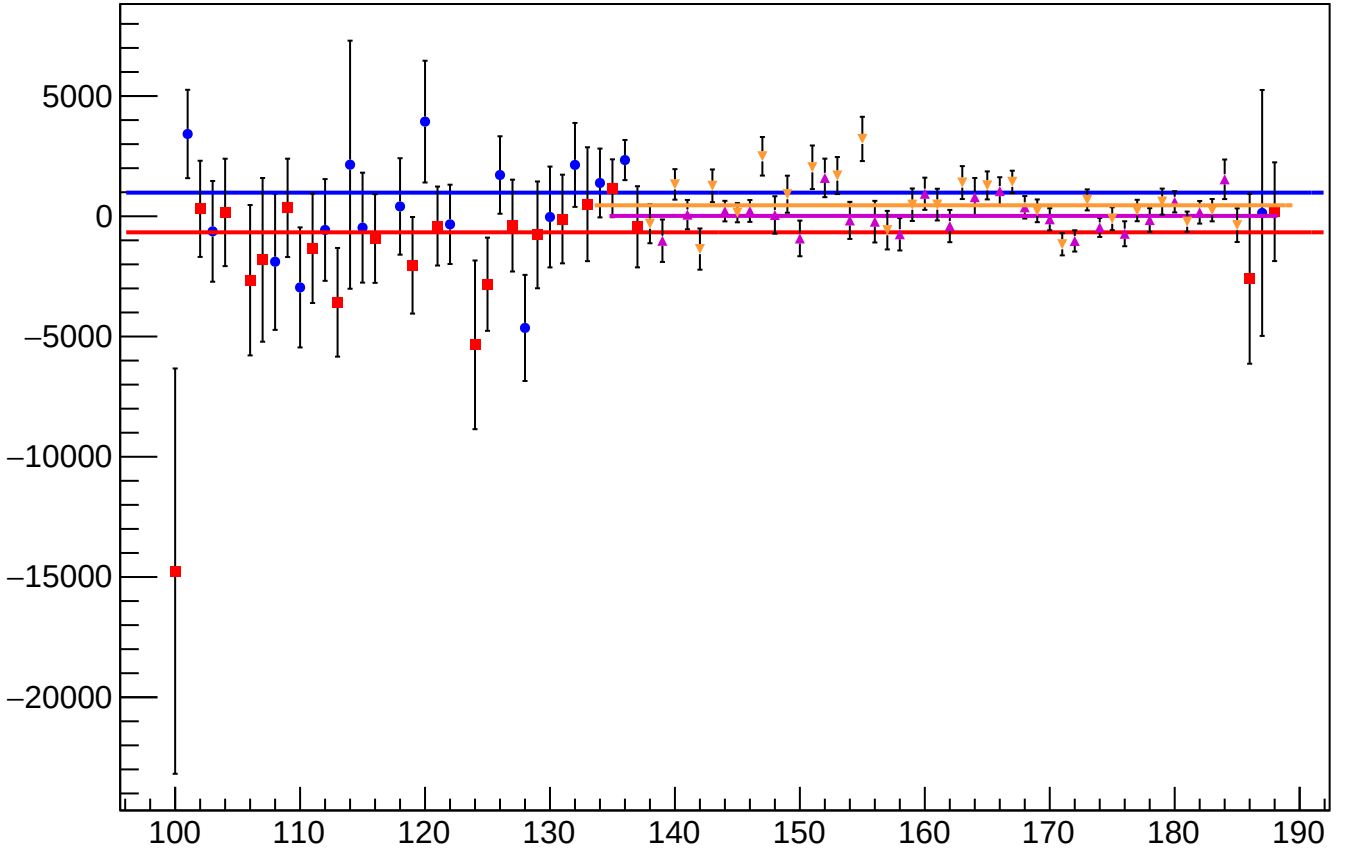
Right: 1211.805+/-0.222 χ^2/NDF: 2582184.7/37

In: 513.979+/-0.078 χ^2/NDF:7791761.4/39

Out: 521.477+/-0.077 χ^2/NDF:9930510.7/45

All: 517.801+/-0.055 χ^2/NDF: 17726960.0/85

asym_sam_3726_avg_mean vs Slug, Sign Corrected



Right In: 982.998+/-440.985 χ^2/NDF: 19.1/16

Left Out: 457.286+/-114.351 χ^2/NDF:59.4/24

Right Out: -666.899+/-454.023 χ^2/NDF: 12.4/20

Left In: 15.089+/-116.701 χ^2/NDF:30.3/22

Left: 240.684+/-81.677 χ^2/NDF: 97.0/47

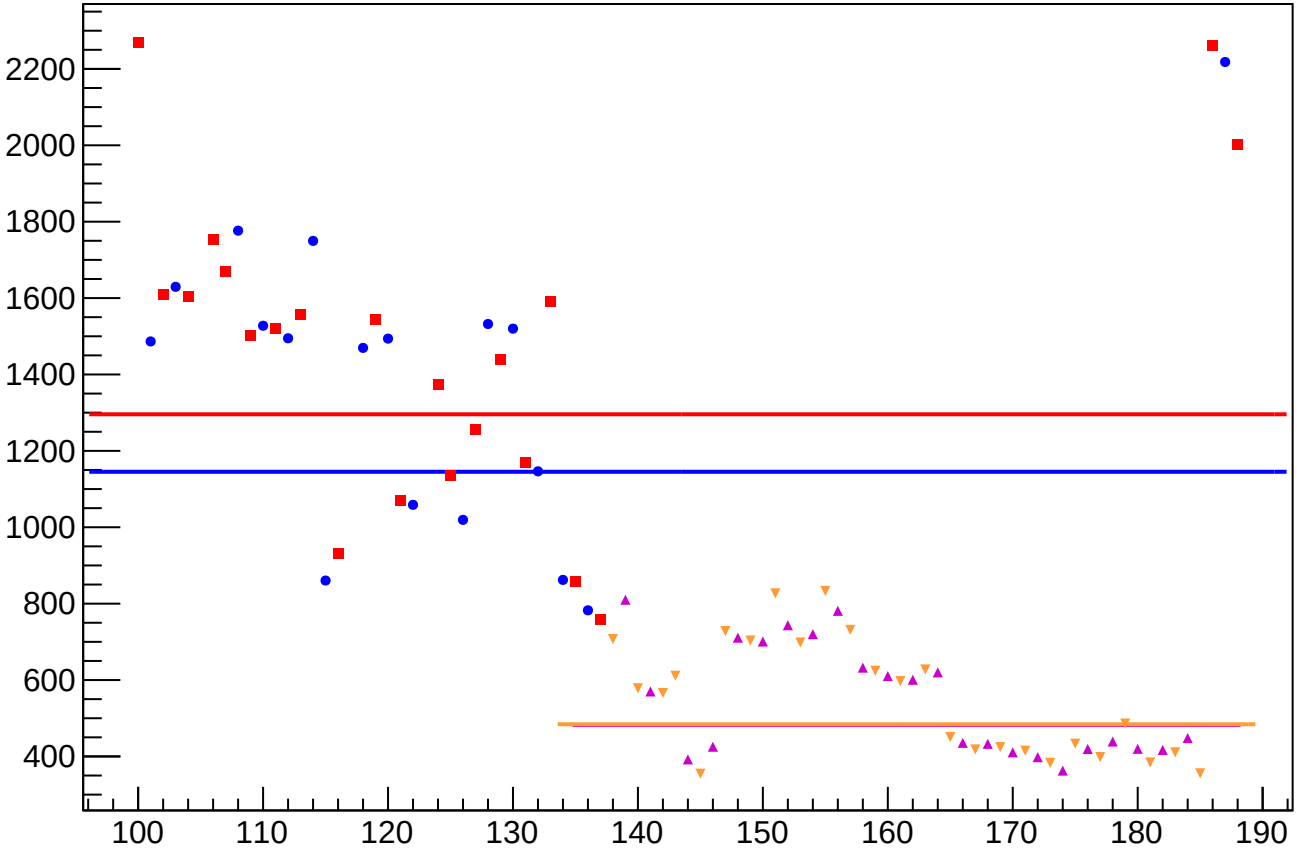
Right: 182.078+/-316.332 χ^2/NDF: 38.2/37

In: 78.438+/-112.817 χ^2/NDF:53.9/39

Out: 390.228+/-110.888 χ^2/NDF:77.5/45

All: 237.021+/-79.083 χ^2/NDF: 135.3/85

asym_sam_3726_avg_rms vs Slug, Sign Corrected



Right In: 1145.258+/-0.312 χ^2/NDF: 1212382.3/16

Left Out: 484.128+/-0.081 χ^2/NDF:2548479.4/24

Right Out: 1295.802+/-0.321 χ^2/NDF: 1312873.2/20

Left In: 482.160+/-0.083 χ^2/NDF:2186689.9/22

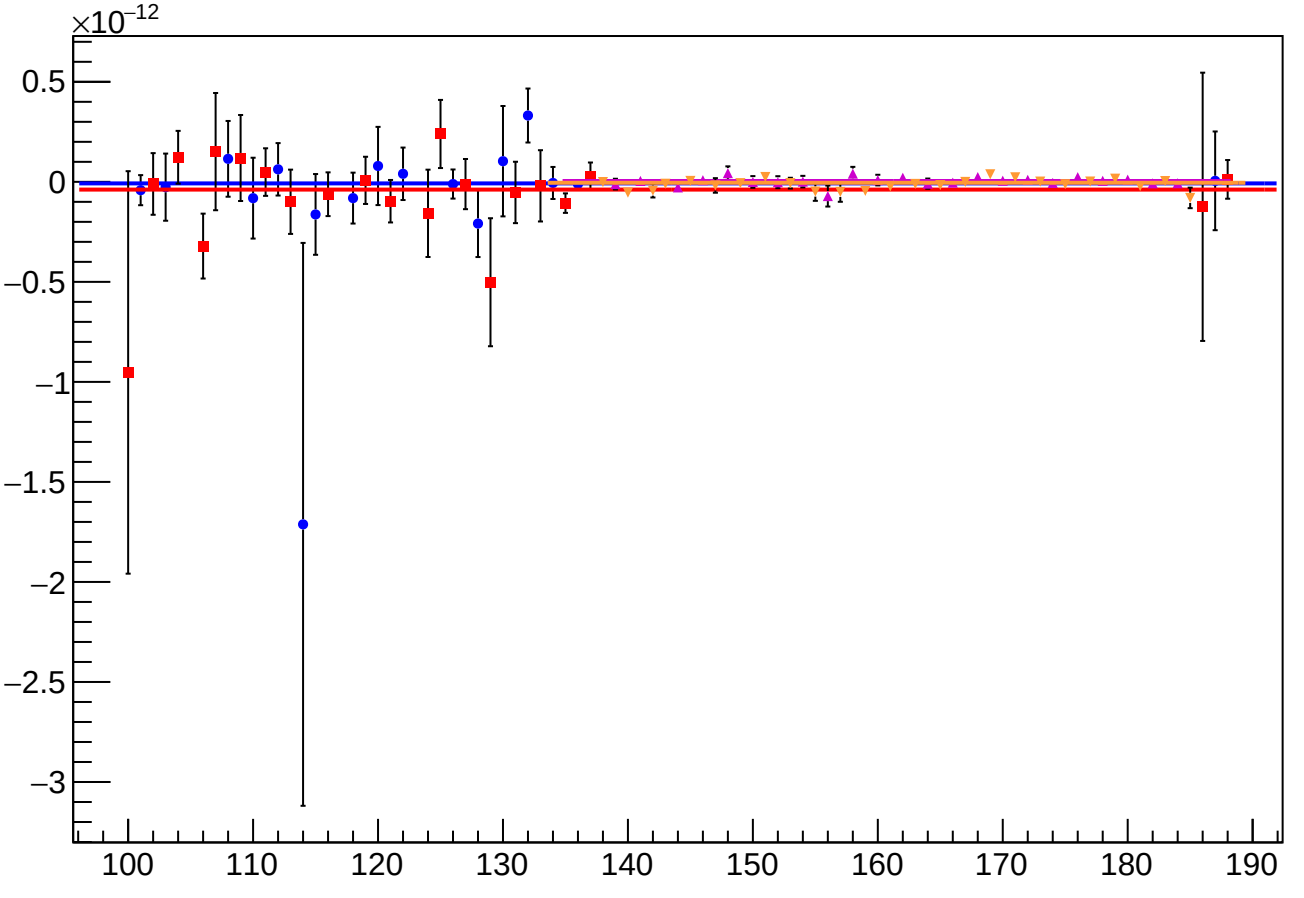
Left: 483.164+/-0.058 χ^2/NDF: 4735459.6/47

Right: 1218.338+/-0.224 χ^2/NDF: 2638401.6/37

In: 525.559+/-0.080 χ^2/NDF:7625183.8/39

Out: 532.545+/-0.078 χ^2/NDF:9872079.9/45

All: 529.112+/-0.056 χ^2/NDF: 17501164.5/85



Right In: -0.000+/-0.000 χ^2/NDF: 11.7/16

Left Out: -0.000+/-0.000 χ^2/NDF:31.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 15.9/20

Left In: 0.000+/-0.000 χ^2/NDF:15.0/22

Left: -0.000+/-0.000 χ^2/NDF: 49.2/47

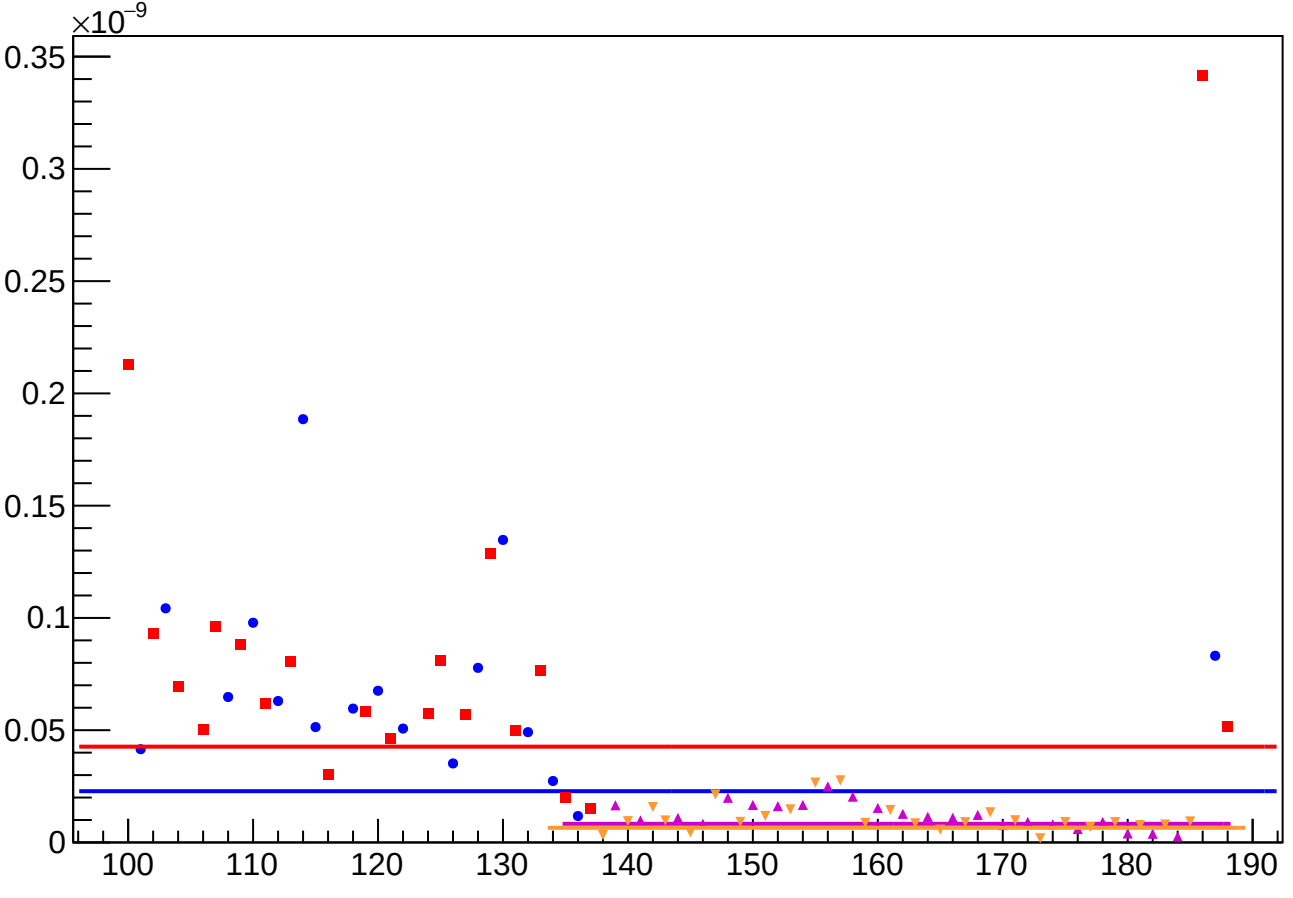
Right: -0.000+/-0.000 χ^2/NDF: 28.6/37

In: 0.000+/-0.000 χ^2/NDF:27.2/39

Out: -0.000+/-0.000 χ^2/NDF:48.6/45

All: -0.000+/-0.000 χ^2/NDF: 79.0/85

asym_sam_3726_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2972875.1/16

Left Out: 0.000+/-0.000 χ^2/NDF:3737127.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2266912.4/20

Left In: 0.000+/-0.000 χ^2/NDF:2799238.8/22

Left: 0.000+/-0.000 χ^2/NDF: 6795469.8/47

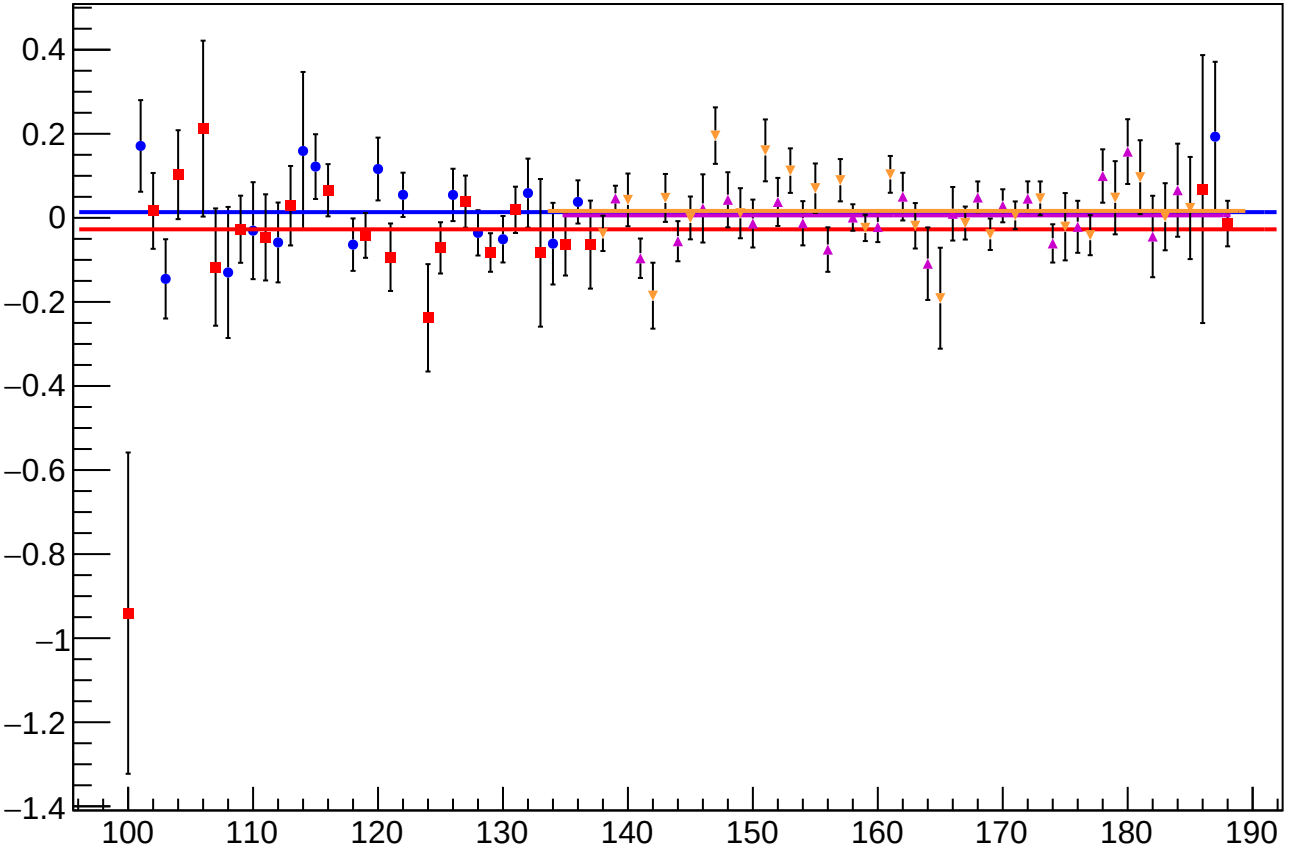
Right: 0.000+/-0.000 χ^2/NDF: 6044621.5/37

In: 0.000+/-0.000 χ^2/NDF:7118114.4/39

Out: 0.000+/-0.000 χ^2/NDF:9798270.9/45

All: 0.000+/-0.000 χ^2/NDF: 17226267.6/85

asym_sam_3726_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.014+/-0.018 χ^2/NDF: 17.9/16

Left Out: 0.016+/-0.010 χ^2/NDF:41.1/24

Right Out: -0.027+/-0.017 χ^2/NDF: 19.7/20

Left In: 0.006+/-0.010 χ^2/NDF:26.0/22

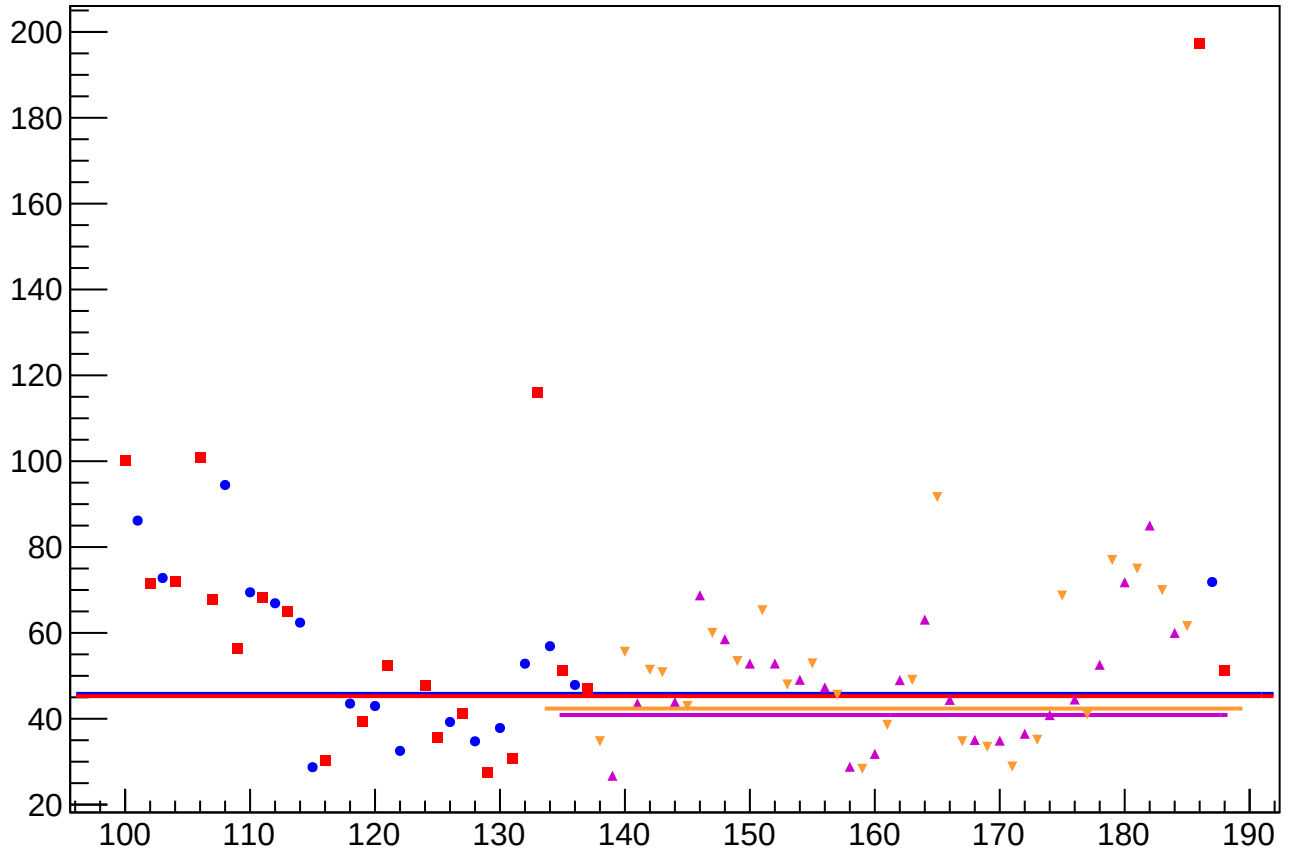
Left: 0.011+/-0.007 χ^2/NDF: 67.5/47

Right: -0.008+/-0.012 χ^2/NDF: 40.3/37

In: 0.008+/-0.009 χ^2/NDF:44.0/39

Out: 0.005+/-0.009 χ^2/NDF:65.6/45

All: 0.006+/-0.006 χ^2/NDF: 109.7/85



Right In: 45.800+/-0.013 χ^2/NDF: 1297129.3/16

Left Out: 42.375+/-0.007 χ^2/NDF:3190972.5/24

Right Out: 45.269+/-0.012 χ^2/NDF: 2230445.9/20

Left In: 40.881+/-0.007 χ^2/NDF:2678327.2/22

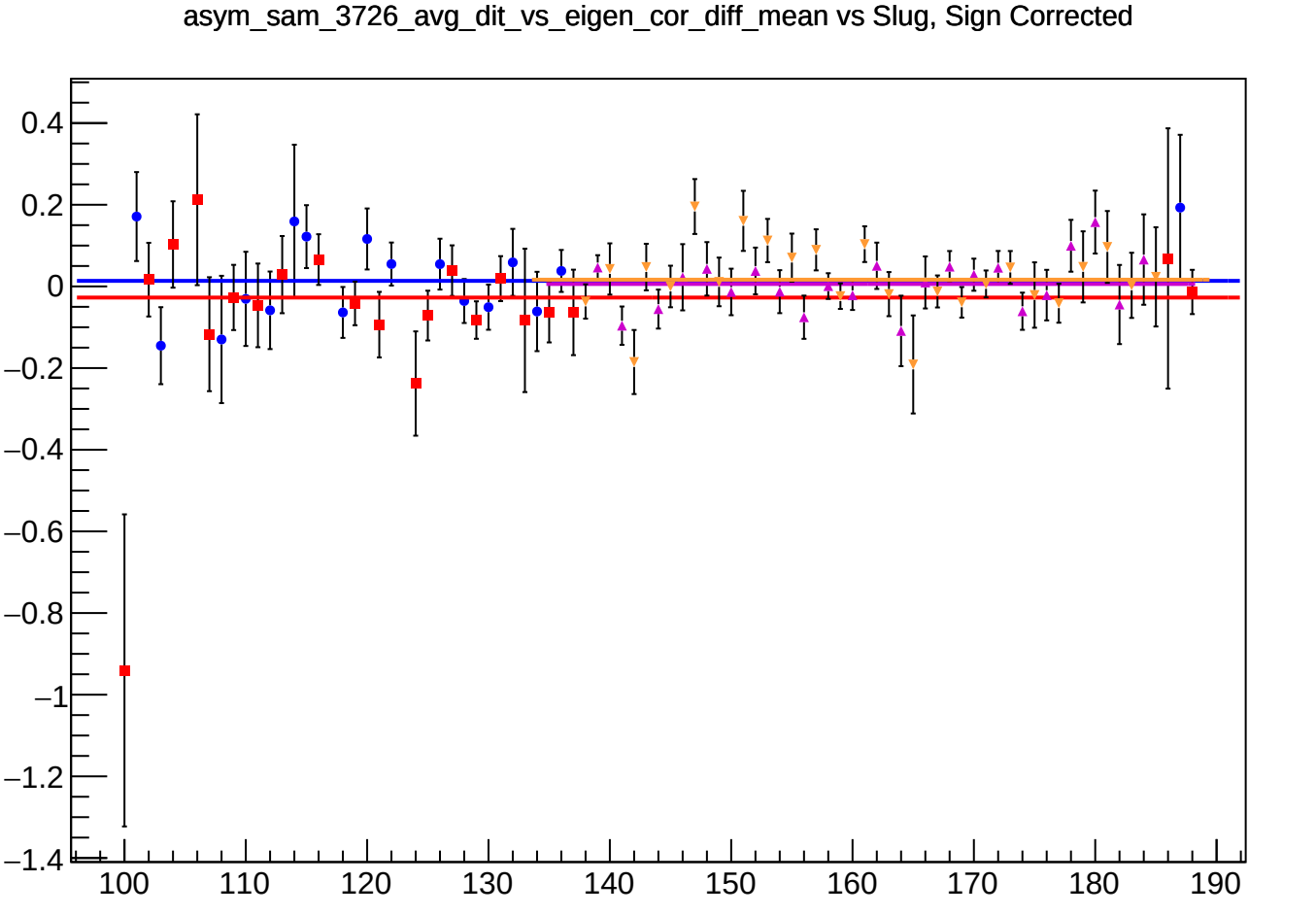
Left: 41.623+/-0.005 χ^2/NDF: 5890281.6/47

Right: 45.515+/-0.009 χ^2/NDF: 3528483.2/37

In: 42.069+/-0.006 χ^2/NDF:4085999.1/39

Out: 43.160+/-0.006 χ^2/NDF:5463875.4/45

All: 42.622+/-0.004 χ^2/NDF: 9564938.8/85



Right In: 0.014+/-0.018 χ^2/NDF: 17.9/16

Left Out: 0.016+/-0.010 χ^2/NDF:41.1/24

Right Out: -0.027+/-0.017 χ^2/NDF: 19.7/20

Left In: 0.006+/-0.010 χ^2/NDF:26.0/22

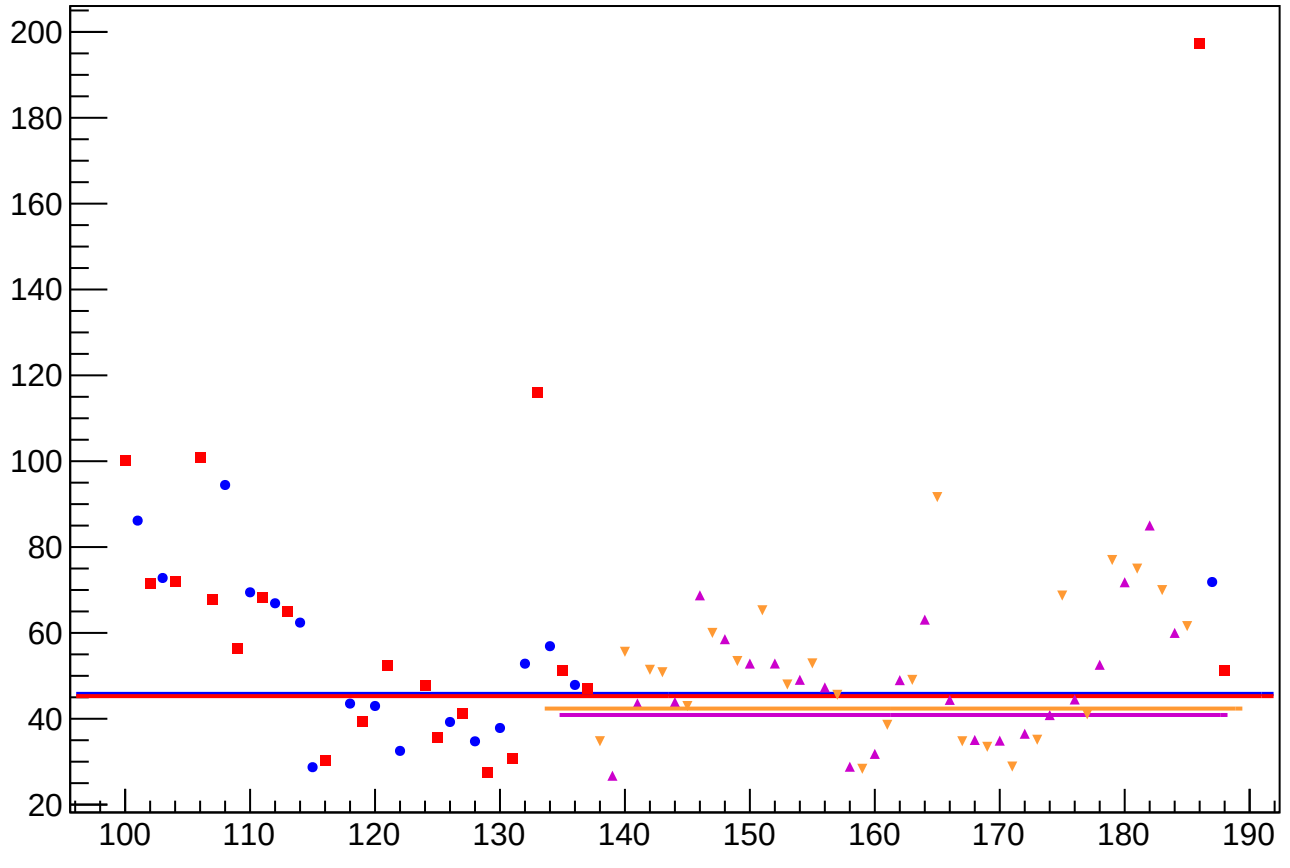
Left: 0.011+/-0.007 χ^2/NDF: 67.5/47

Right: -0.008+/-0.012 χ^2/NDF: 40.3/37

In: 0.008+/-0.009 χ^2/NDF:44.0/39

Out: 0.005+/-0.009 χ^2/NDF:65.6/45

All: 0.006+/-0.006 χ^2/NDF: 109.7/85



Right In: 45.800+/-0.013 χ^2/NDF: 1297129.3/16

Left Out: 42.375+/-0.007 χ^2/NDF:3190972.5/24

Right Out: 45.269+/-0.012 χ^2/NDF: 2230445.9/20

Left In: 40.881+/-0.007 χ^2/NDF:2678327.2/22

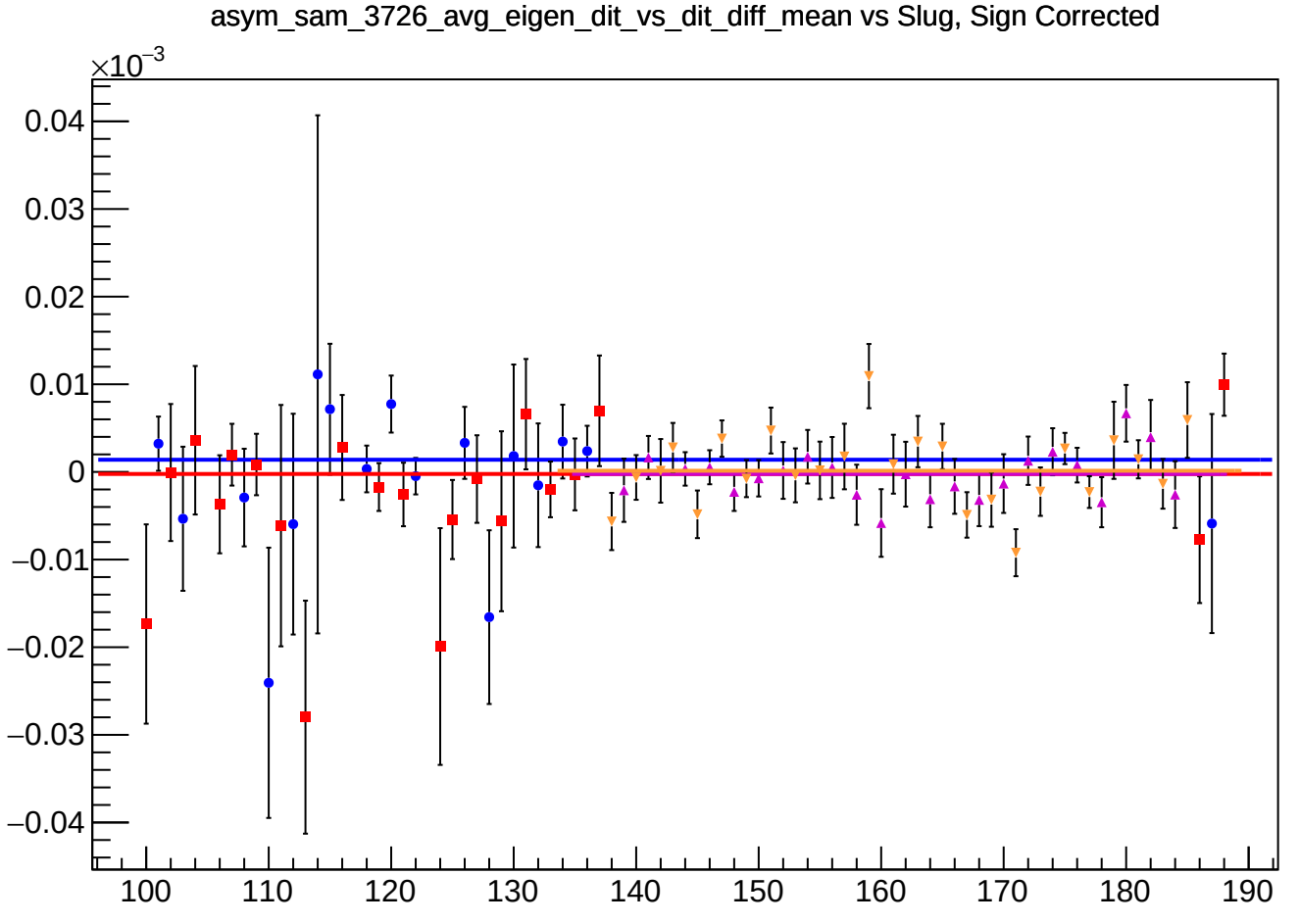
Left: 41.623+/-0.005 χ^2/NDF: 5890281.6/47

Right: 45.515+/-0.009 χ^2/NDF: 3528483.2/37

In: 42.069+/-0.006 χ^2/NDF:4085999.1/39

Out: 43.160+/-0.006 χ^2/NDF:5463875.4/45

All: 42.622+/-0.004 χ^2/NDF: 9564938.8/85



Right In: 0.000+/-0.000 χ^2/NDF: 14.5/16

Left Out: 0.000+/-0.000 χ^2/NDF:49.9/24

Right Out: -0.000+/-0.000 χ^2/NDF: 24.7/20

Left In: -0.000+/-0.000 χ^2/NDF:15.8/22

Left: -0.000+/-0.000 χ^2/NDF: 66.0/47

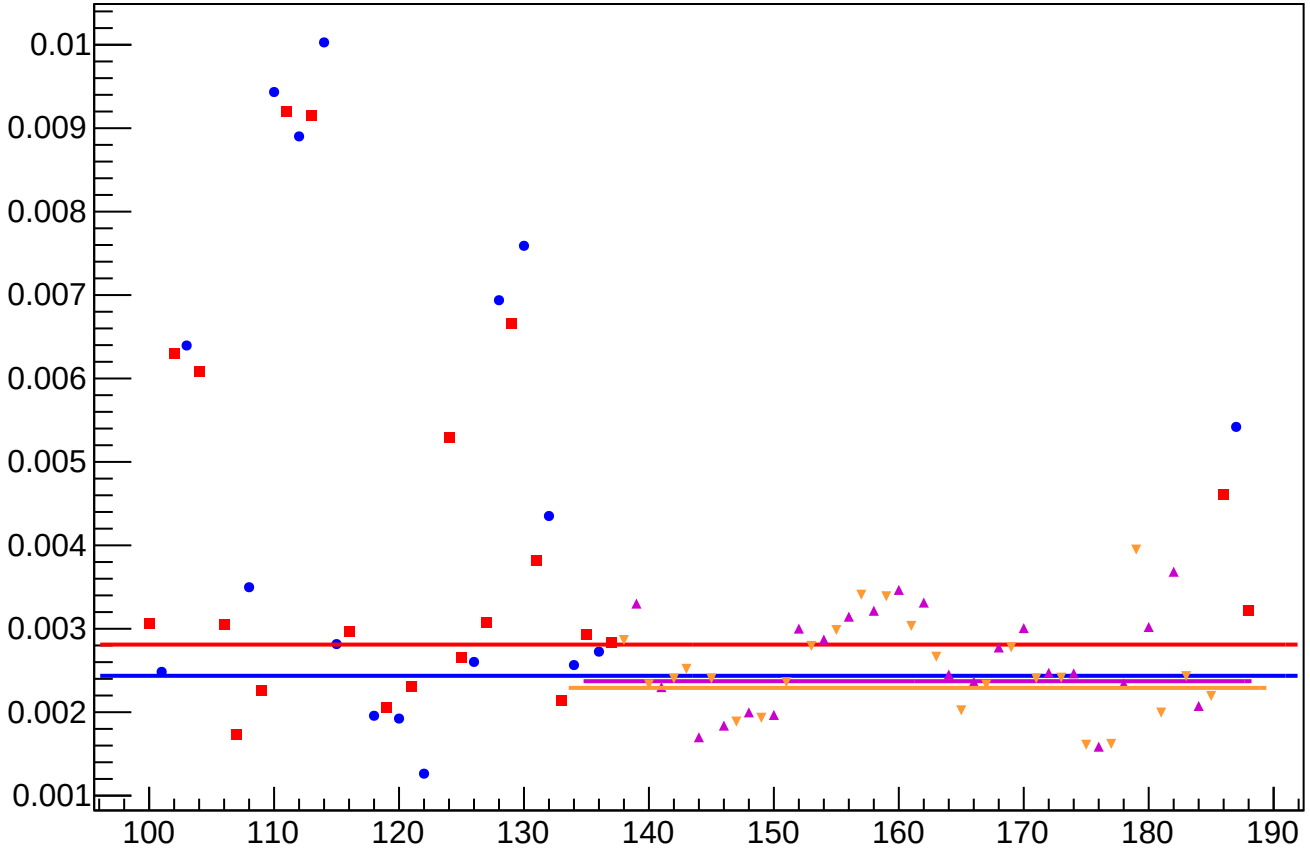
Right: 0.000+/-0.000 χ^2/NDF: 40.4/37

In: 0.000+/-0.000 χ^2/NDF:32.2/39

Out: 0.000+/-0.000 χ^2/NDF:74.7/45

All: 0.000+/-0.000 χ^2/NDF: 107.0/85

asym_sam_3726_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 3546875.1/16

Left Out: 0.002+/-0.000 χ^2/NDF:1818891.6/24

Right Out: 0.003+/-0.000 χ^2/NDF: 2666458.6/20

Left In: 0.002+/-0.000 χ^2/NDF:2020314.6/22

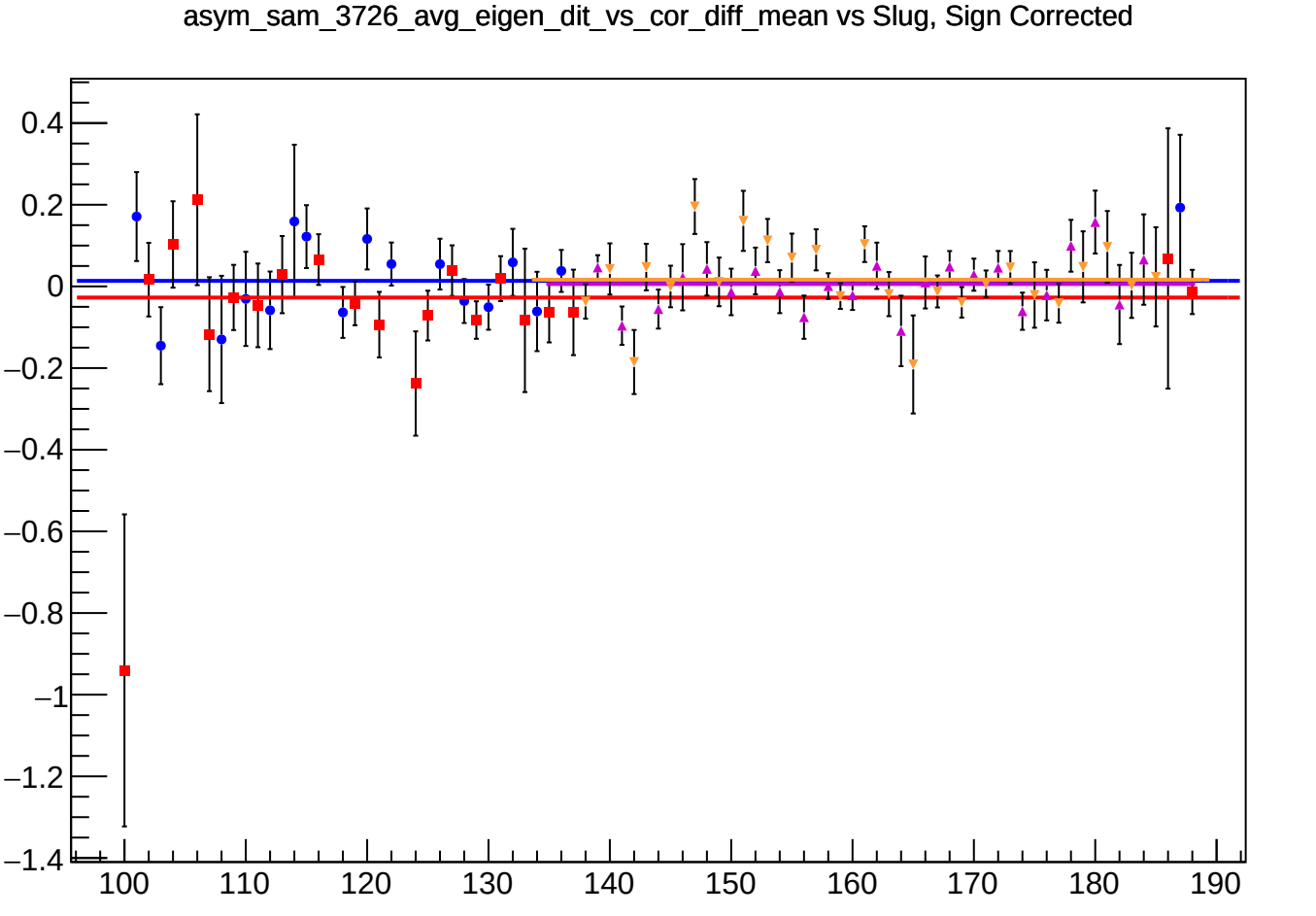
Left: 0.002+/-0.000 χ^2/NDF: 3859926.5/47

Right: 0.003+/-0.000 χ^2/NDF: 6340728.0/37

In: 0.002+/-0.000 χ^2/NDF:5573054.0/39

Out: 0.002+/-0.000 χ^2/NDF:4867590.9/45

All: 0.002+/-0.000 χ^2/NDF: 10441121.2/85



Right In: 0.014+/-0.018 χ^2/NDF: 17.9/16

Left Out: 0.016+/-0.010 χ^2/NDF:41.1/24

Right Out: -0.027+/-0.017 χ^2/NDF: 19.7/20

Left In: 0.006+/-0.010 χ^2/NDF:26.0/22

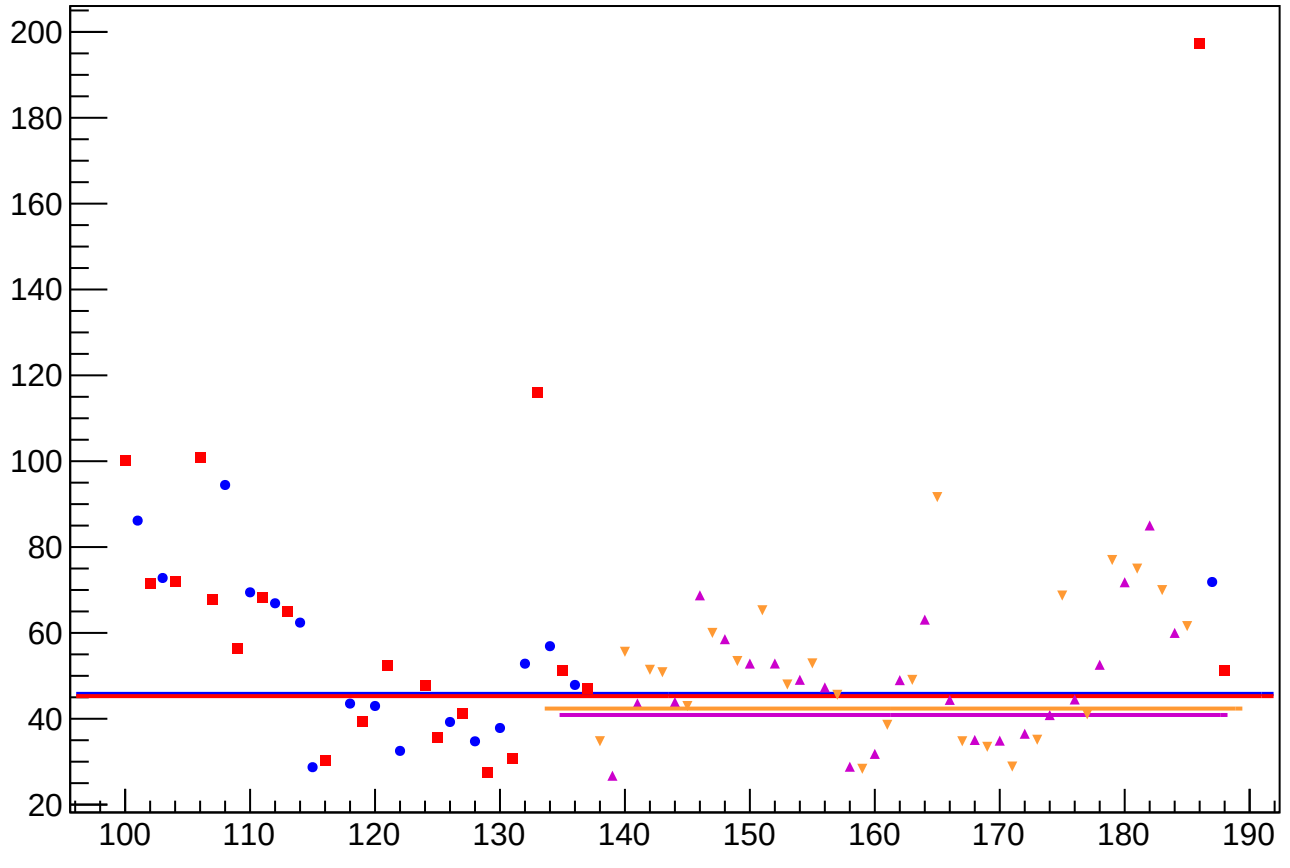
Left: 0.011+/-0.007 χ^2/NDF: 67.5/47

Right: -0.008+/-0.012 χ^2/NDF: 40.3/37

In: 0.008+/-0.009 χ^2/NDF:44.0/39

Out: 0.005+/-0.009 χ^2/NDF:65.6/45

All: 0.006+/-0.006 χ^2/NDF: 109.7/85



Right In: 45.800+/-0.013 χ^2/NDF: 1297093.3/16

Left Out: 42.375+/-0.007 χ^2/NDF:3190999.9/24

Right Out: 45.270+/-0.012 χ^2/NDF: 2230366.1/20

Left In: 40.881+/-0.007 χ^2/NDF:2678344.3/22

Left: 41.623+/-0.005 χ^2/NDF: 5890324.4/47

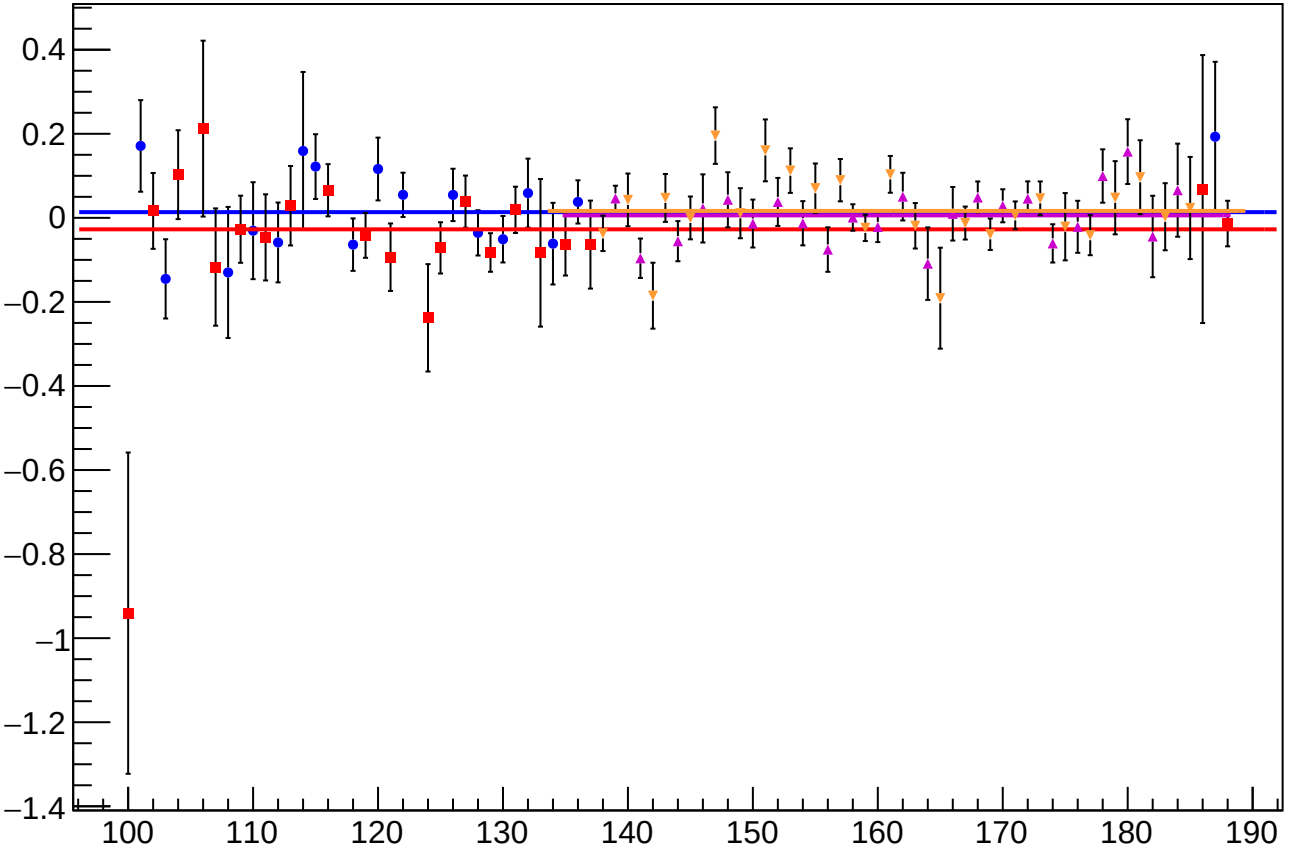
Right: 45.516+/-0.009 χ^2/NDF: 3528366.0/37

In: 42.069+/-0.006 χ^2/NDF:4085965.6/39

Out: 43.161+/-0.006 χ^2/NDF:5463825.8/45

All: 42.622+/-0.004 χ^2/NDF: 9564856.6/85

asym_sam_3726_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.014+/-0.018 χ^2/NDF: 17.9/16

Left Out: 0.016+/-0.010 χ^2/NDF:41.1/24

Right Out: -0.027+/-0.017 χ^2/NDF: 19.7/20

Left In: 0.006+/-0.010 χ^2/NDF:26.0/22

Left: 0.011+/-0.007 χ^2/NDF: 67.5/47

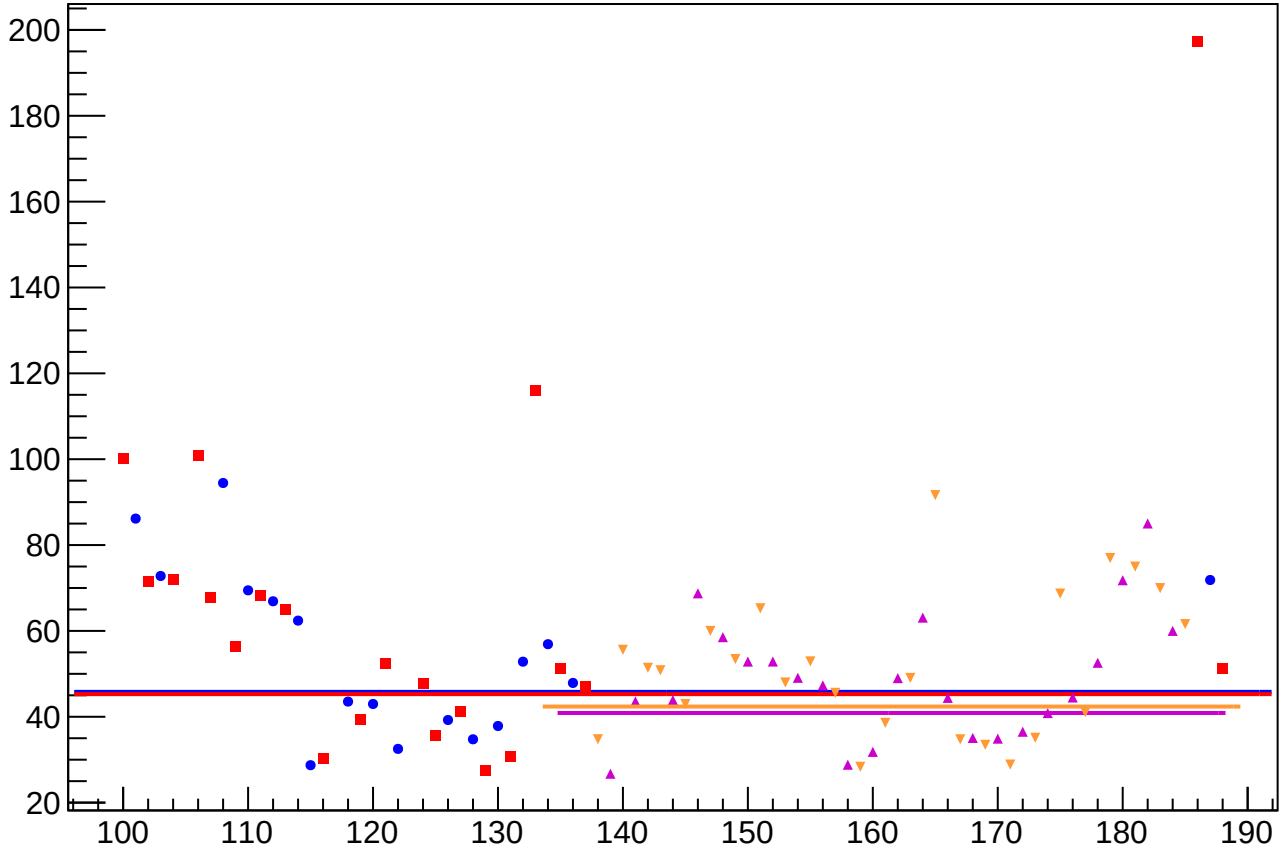
Right: -0.008+/-0.012 χ^2/NDF: 40.3/37

In: 0.008+/-0.009 χ^2/NDF:44.0/39

Out: 0.005+/-0.009 χ^2/NDF:65.6/45

All: 0.006+/-0.006 χ^2/NDF: 109.7/85

asym_sam_3726_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 45.800+/-0.013 χ^2/NDF: 1297093.3/16

Left Out: 42.375+/-0.007 χ^2/NDF:3190999.9/24

Right Out: 45.270+/-0.012 χ^2/NDF: 2230366.1/20

Left In: 40.881+/-0.007 χ^2/NDF:2678344.3/22

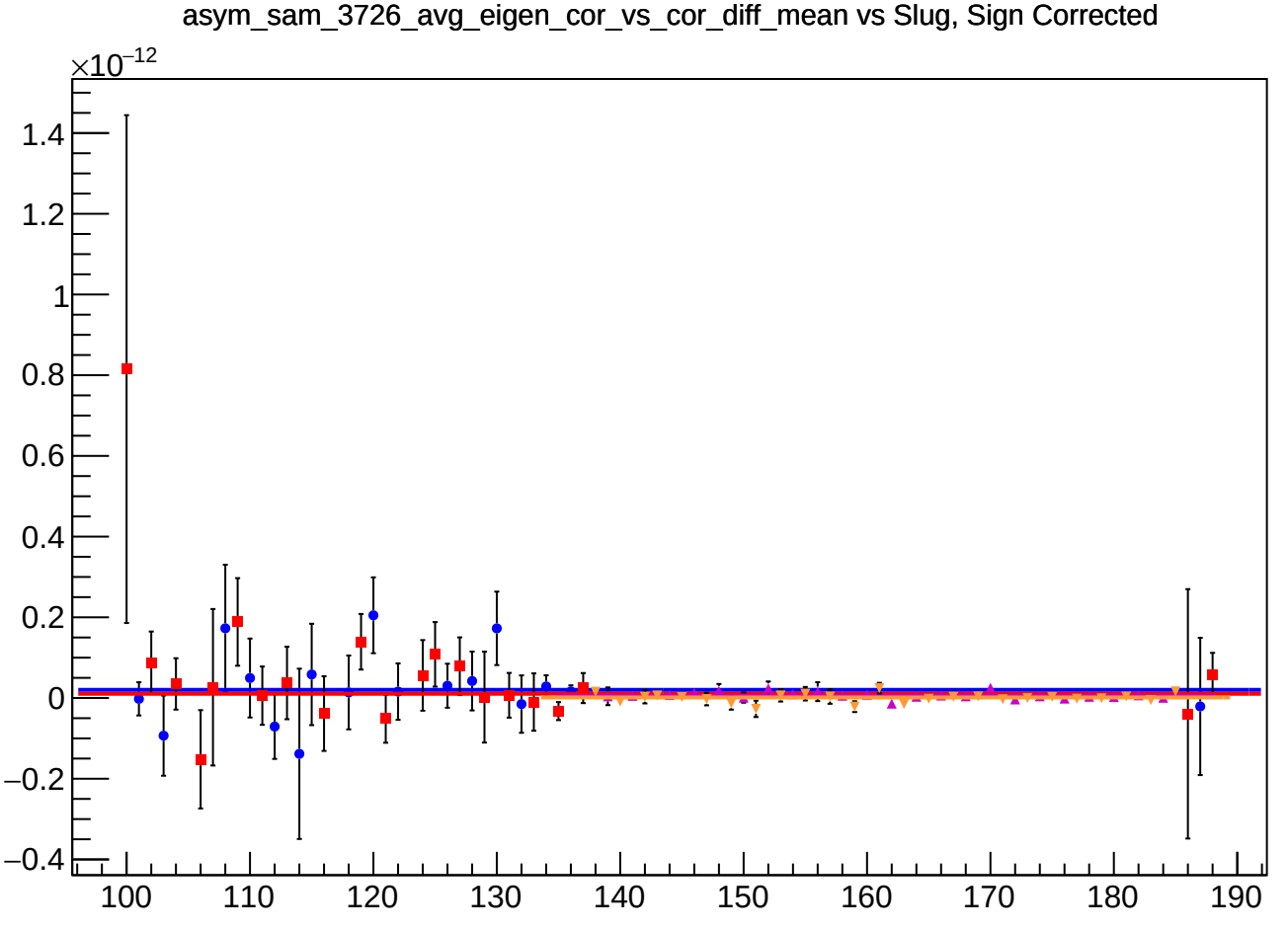
Left: 41.623+/-0.005 χ^2/NDF: 5890324.4/47

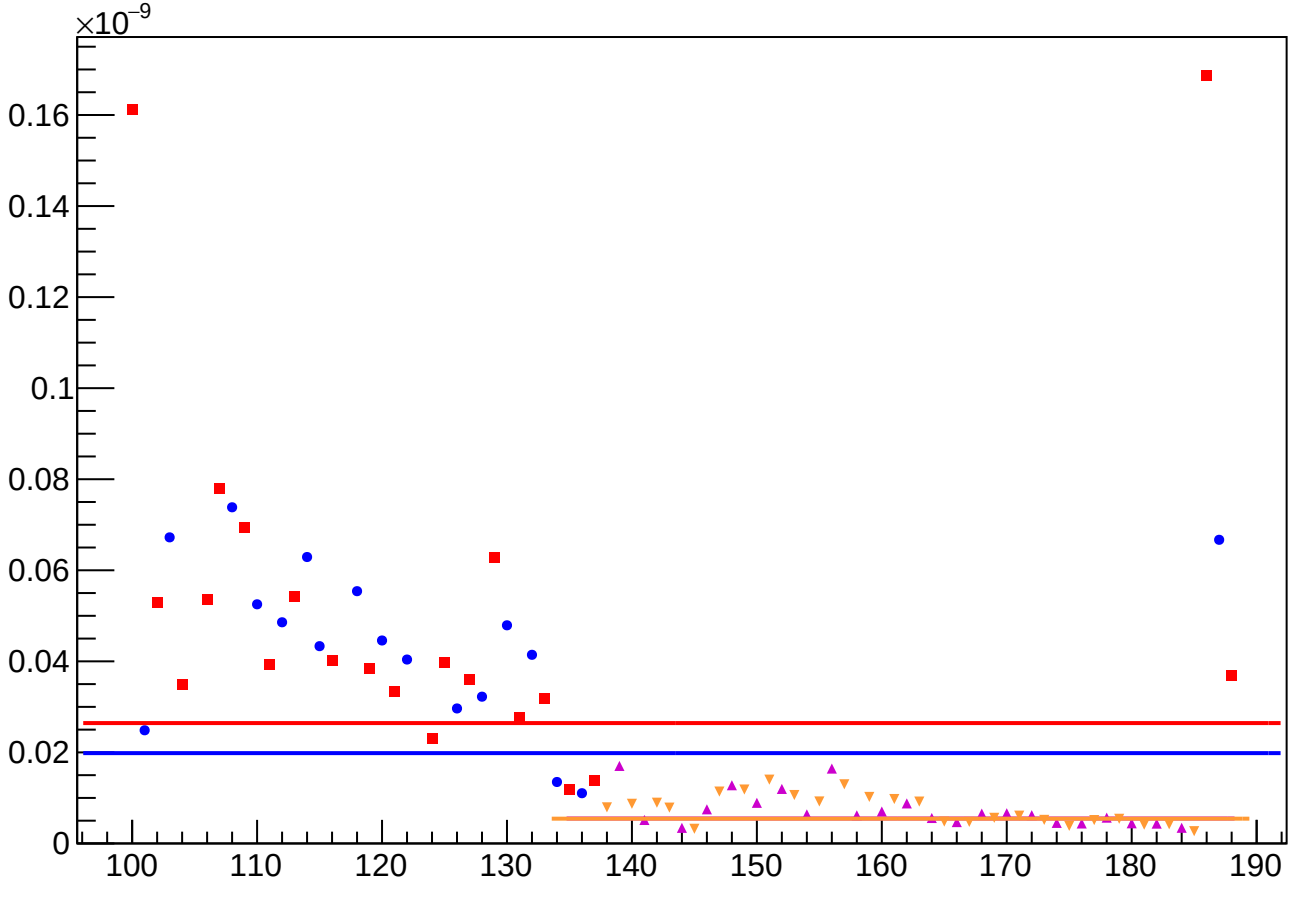
Right: 45.516+/-0.009 χ^2/NDF: 3528366.0/37

In: 42.069+/-0.006 χ^2/NDF:4085965.6/39

Out: 43.161+/-0.006 χ^2/NDF:5463825.8/45

All: 42.622+/-0.004 χ^2/NDF: 9564856.6/85


asym_sam_3726_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
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 11.8/16
Left Out: 0.000+/-0.000 χ²/NDF:19.7/24
Right Out: 0.000+/-0.000 χ²/NDF: 19.5/20
Left In: 0.000+/-0.000 χ²/NDF:13.2/22
Left: 0.000+/-0.000 χ²/NDF: 35.1/47
Right: 0.000+/-0.000 χ²/NDF: 31.7/37
In: 0.000+/-0.000 χ²/NDF:26.8/39
Out: 0.000+/-0.000 χ²/NDF:39.7/45
All: 0.000+/-0.000 χ²/NDF: 69.1/85



Right In: 0.000+/-0.000 χ^2/NDF: 3393532.4/16

Left Out: 0.000+/-0.000 χ^2/NDF:3789045.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3207145.8/20

Left In: 0.000+/-0.000 χ^2/NDF:2801443.3/22

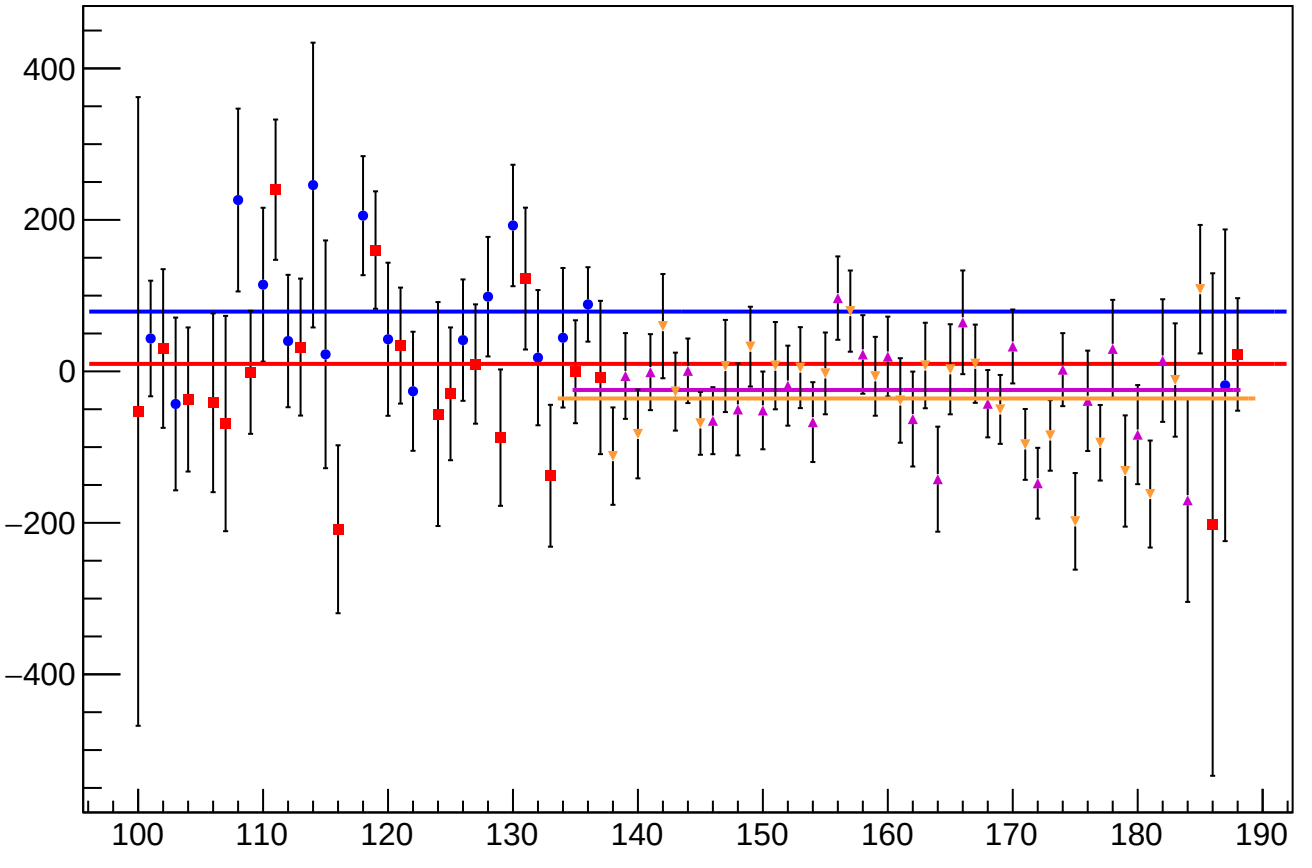
Left: 0.000+/-0.000 χ^2/NDF: 6590870.1/47

Right: 0.000+/-0.000 χ^2/NDF: 6890228.1/37

In: 0.000+/-0.000 χ^2/NDF:9427247.0/39

Out: 0.000+/-0.000 χ^2/NDF:11908212.3/45

All: 0.000+/-0.000 χ^2/NDF: 21336072.3/85



Right In: 78.933+/-21.358 χ^2/NDF: 11.8/16

Left Out: -35.787+/-11.119 χ^2/NDF:33.7/24

Right Out: 9.885+/-20.716 χ^2/NDF: 20.8/20

Left In: -24.572+/-11.471 χ^2/NDF:25.7/22

Left: -30.354+/-7.984 χ^2/NDF: 59.9/47

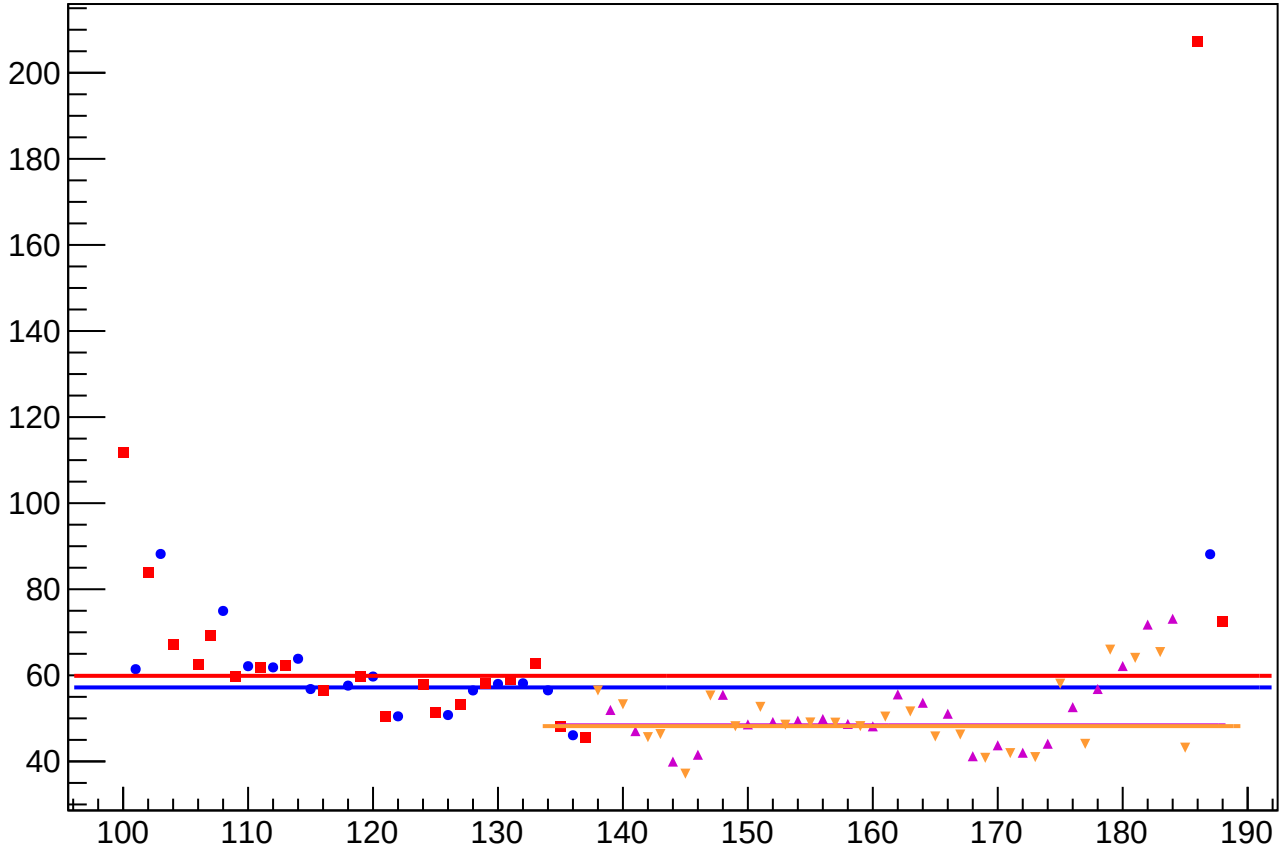
Right: 43.355+/-14.870 χ^2/NDF: 37.9/37

In: -1.400+/-10.106 χ^2/NDF:55.7/39

Out: -25.571+/-9.797 χ^2/NDF:58.2/45

All: -13.860+/-7.034 χ^2/NDF: 116.9/85

reg_asym_sam_15_48_dd_rms vs Slug, Sign Corrected



Right In: 57.191+/-0.015 χ^2/NDF: 387331.9/16

Left Out: 48.198+/-0.008 χ^2/NDF:780285.2/24

Right Out: 59.884+/-0.015 χ^2/NDF: 780211.9/20

Left In: 48.381+/-0.008 χ^2/NDF:695381.8/22

Left: 48.287+/-0.006 χ^2/NDF: 1475927.4/47

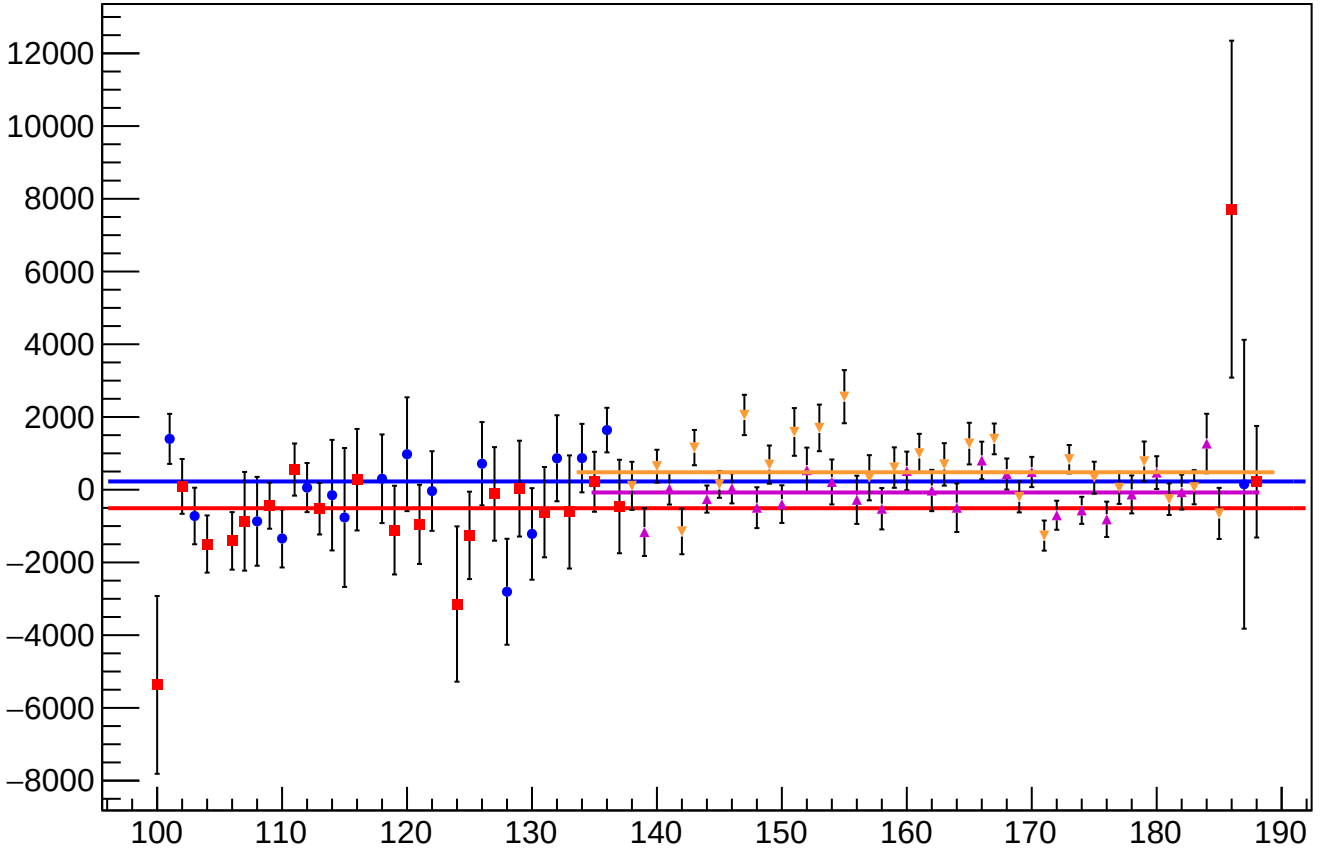
Right: 58.579+/-0.011 χ^2/NDF: 1183925.6/37

In: 50.353+/-0.007 χ^2/NDF:1346861.6/39

Out: 50.812+/-0.007 χ^2/NDF:2054576.3/45

All: 50.590+/-0.005 χ^2/NDF: 3403565.1/85

asym_sam_15_48_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 227.225+/-240.781 χ^2/NDF: 21.6/16

Left Out: 480.215+/-100.526 χ^2/NDF:69.2/24

Right Out: -508.981+/-224.525 χ^2/NDF: 16.8/20

Left In: -75.662+/-103.128 χ^2/NDF:24.5/22

Left: 209.379+/-71.985 χ^2/NDF: 108.6/47

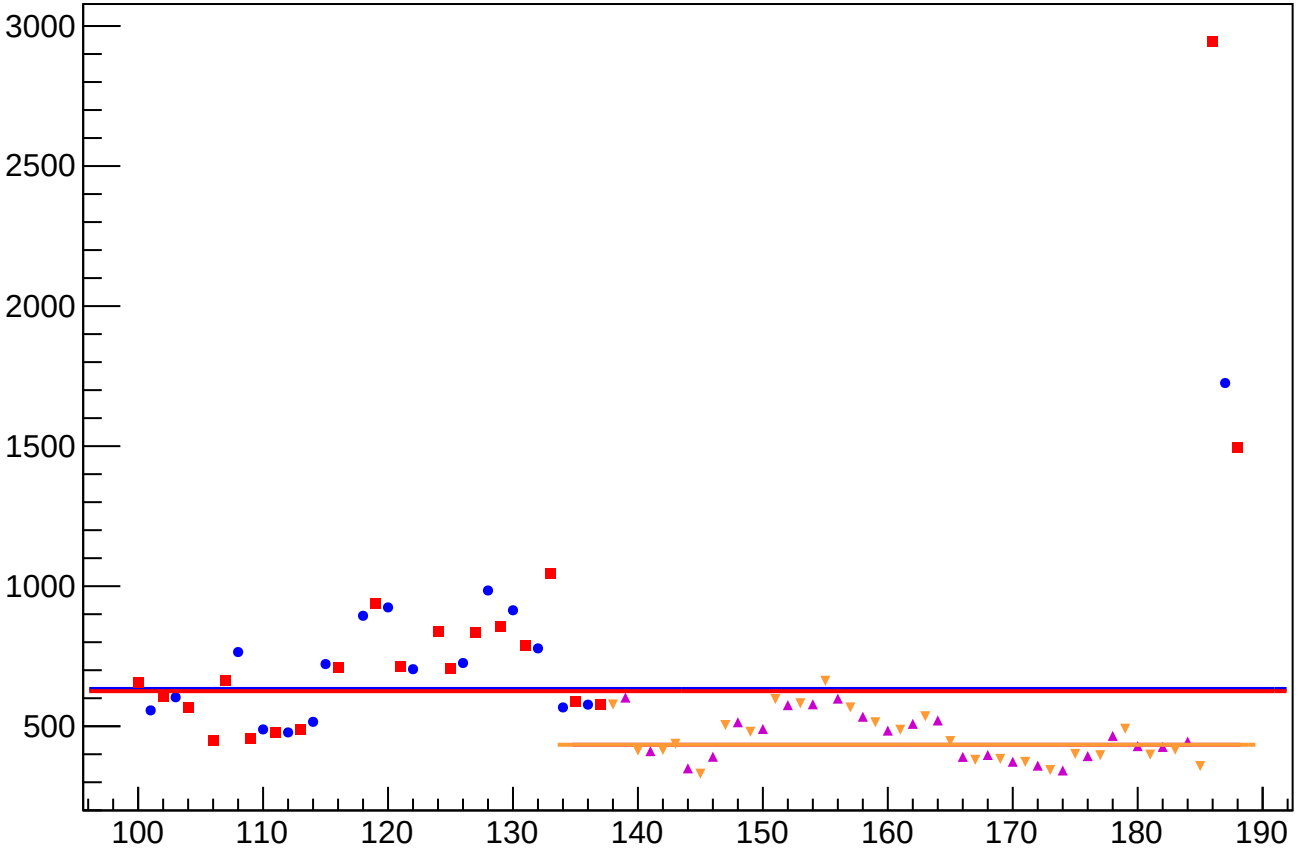
Right: -166.569+/-164.209 χ^2/NDF: 43.4/37

In: -28.712+/-94.799 χ^2/NDF:47.4/39

Out: 315.034+/-91.749 χ^2/NDF:102.2/45

All: 148.779+/-65.928 χ^2/NDF: 156.4/85

asym_sam_15_48_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 633.124+/-0.170 χ^2/NDF: 844483.5/16

Left Out: 433.945+/-0.071 χ^2/NDF:1243704.6/24

Right Out: 625.250+/-0.159 χ^2/NDF: 2041425.4/20

Left In: 433.722+/-0.073 χ^2/NDF:1094788.8/22

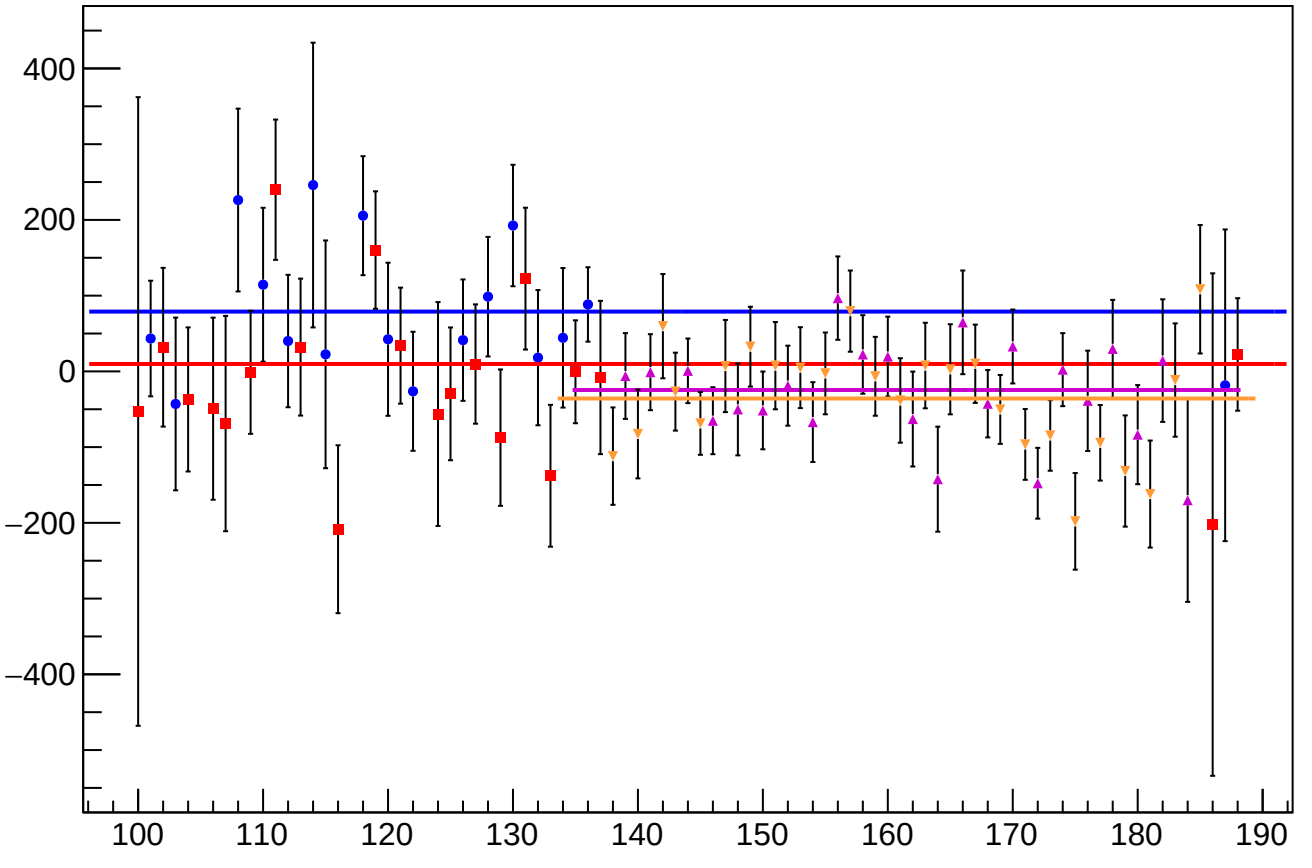
Left: 433.836+/-0.051 χ^2/NDF: 2338498.1/47

Right: 628.912+/-0.116 χ^2/NDF: 2887052.8/37

In: 464.631+/-0.067 χ^2/NDF:3098299.4/39

Out: 465.890+/-0.065 χ^2/NDF:4494632.4/45

All: 465.281+/-0.047 χ^2/NDF: 7593114.0/85



Right In: 78.938+/-21.358 χ^2/NDF: 11.8/16

Left Out: -35.792+/-11.119 χ^2/NDF:33.7/24

Right Out: 9.784+/-20.728 χ^2/NDF: 20.8/20

Left In: -24.573+/-11.471 χ^2/NDF:25.7/22

Left: -30.357+/-7.984 χ^2/NDF: 59.9/47

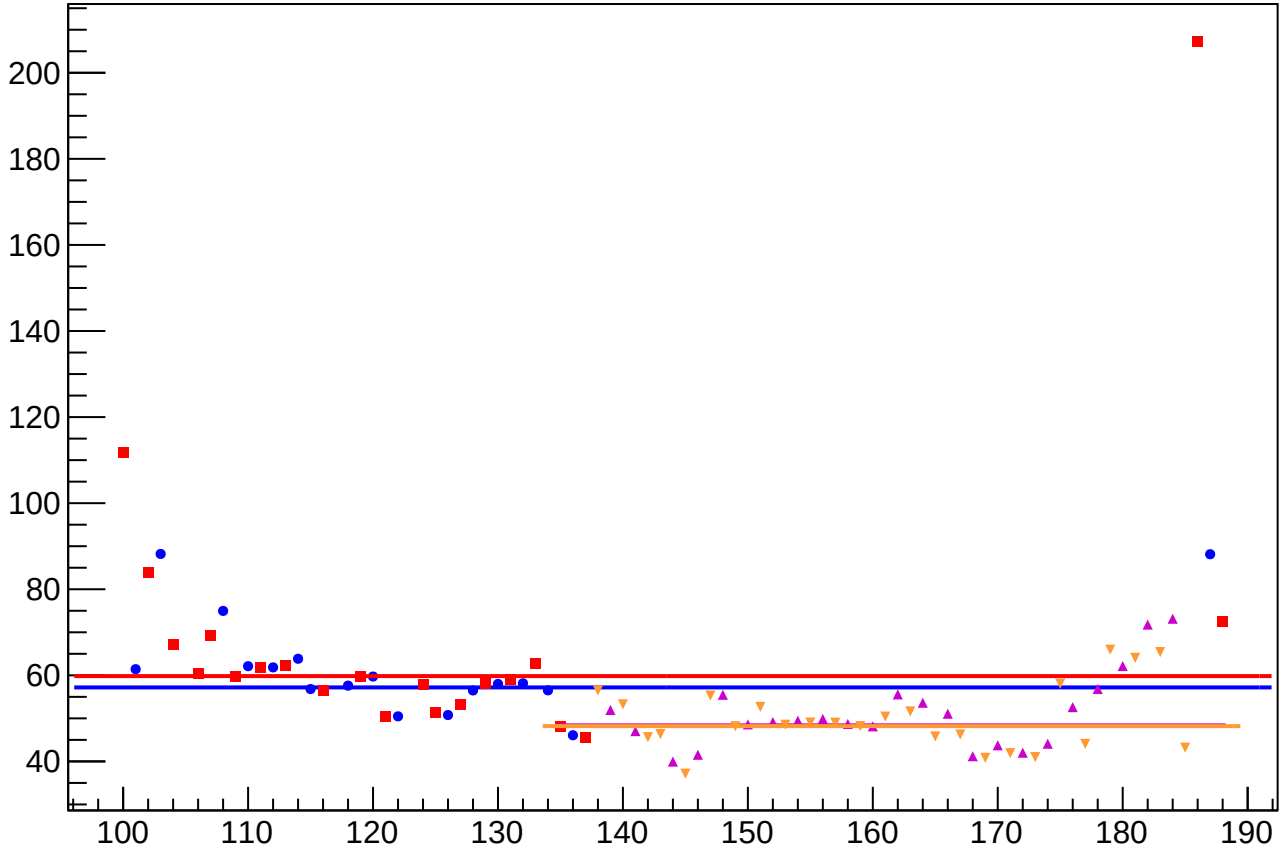
Right: 43.325+/-14.875 χ^2/NDF: 38.0/37

In: -1.400+/-10.106 χ^2/NDF:55.8/39

Out: -25.607+/-9.799 χ^2/NDF:58.3/45

All: -13.877+/-7.035 χ^2/NDF: 117.0/85

cor_asym_sam_15_48_dd_rms vs Slug, Sign Corrected



Right In: 57.191+/-0.015 χ^2/NDF: 387335.6/16

Left Out: 48.198+/-0.008 χ^2/NDF:780285.2/24

Right Out: 59.821+/-0.015 χ^2/NDF: 779506.5/20

Left In: 48.381+/-0.008 χ^2/NDF:695381.8/22

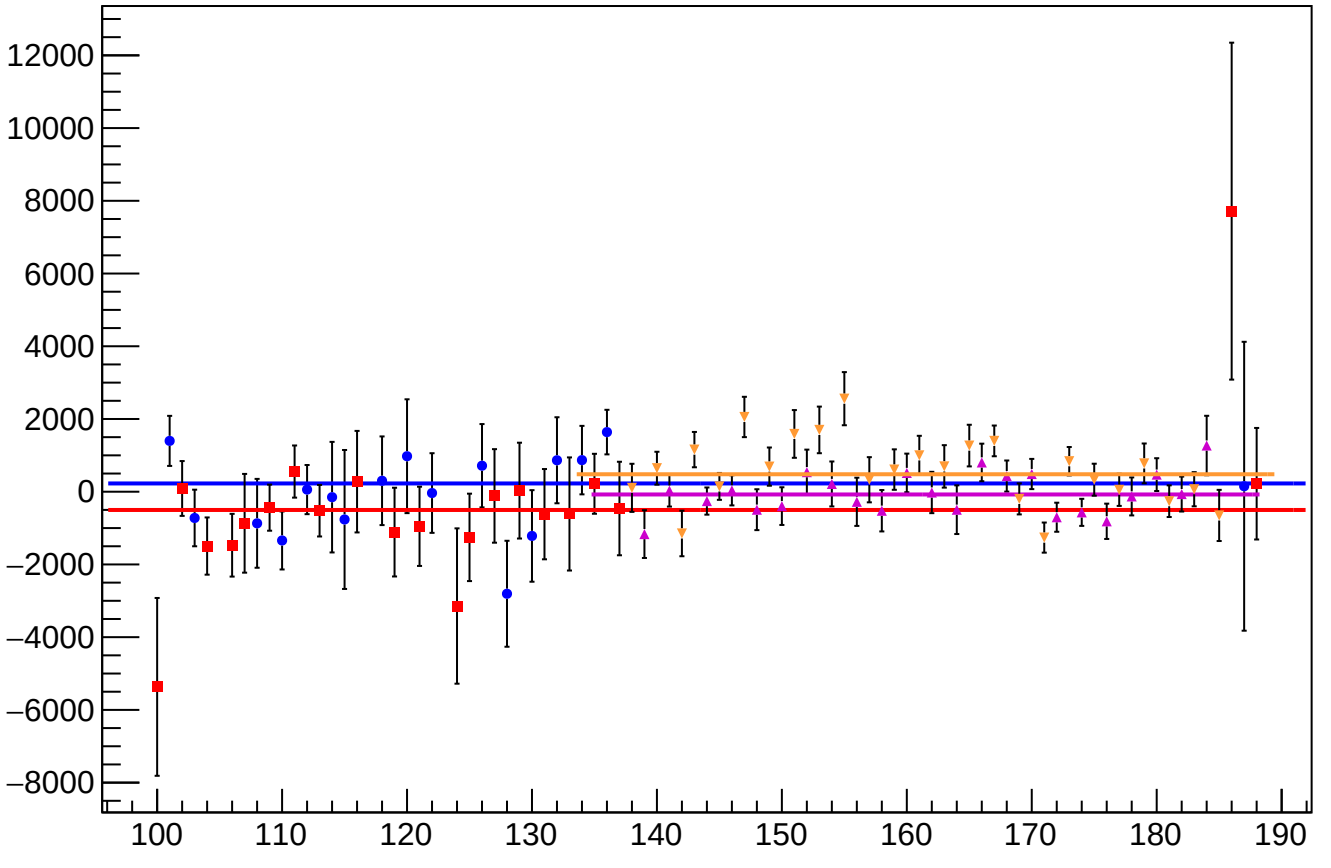
Left: 48.287+/-0.006 χ^2/NDF: 1475927.4/47

Right: 58.546+/-0.011 χ^2/NDF: 1182458.0/37

In: 50.353+/-0.007 χ^2/NDF:1346865.7/39

Out: 50.796+/-0.007 χ^2/NDF:2048122.5/45

All: 50.581+/-0.005 χ^2/NDF: 3396965.7/85



Right In: 227.263+/-240.783 χ^2/NDF: 21.6/16

Left Out: 480.210+/-100.526 χ^2/NDF:69.2/24

Right Out: -502.022+/-225.982 χ^2/NDF: 16.7/20

Left In: -75.665+/-103.128 χ^2/NDF:24.5/22

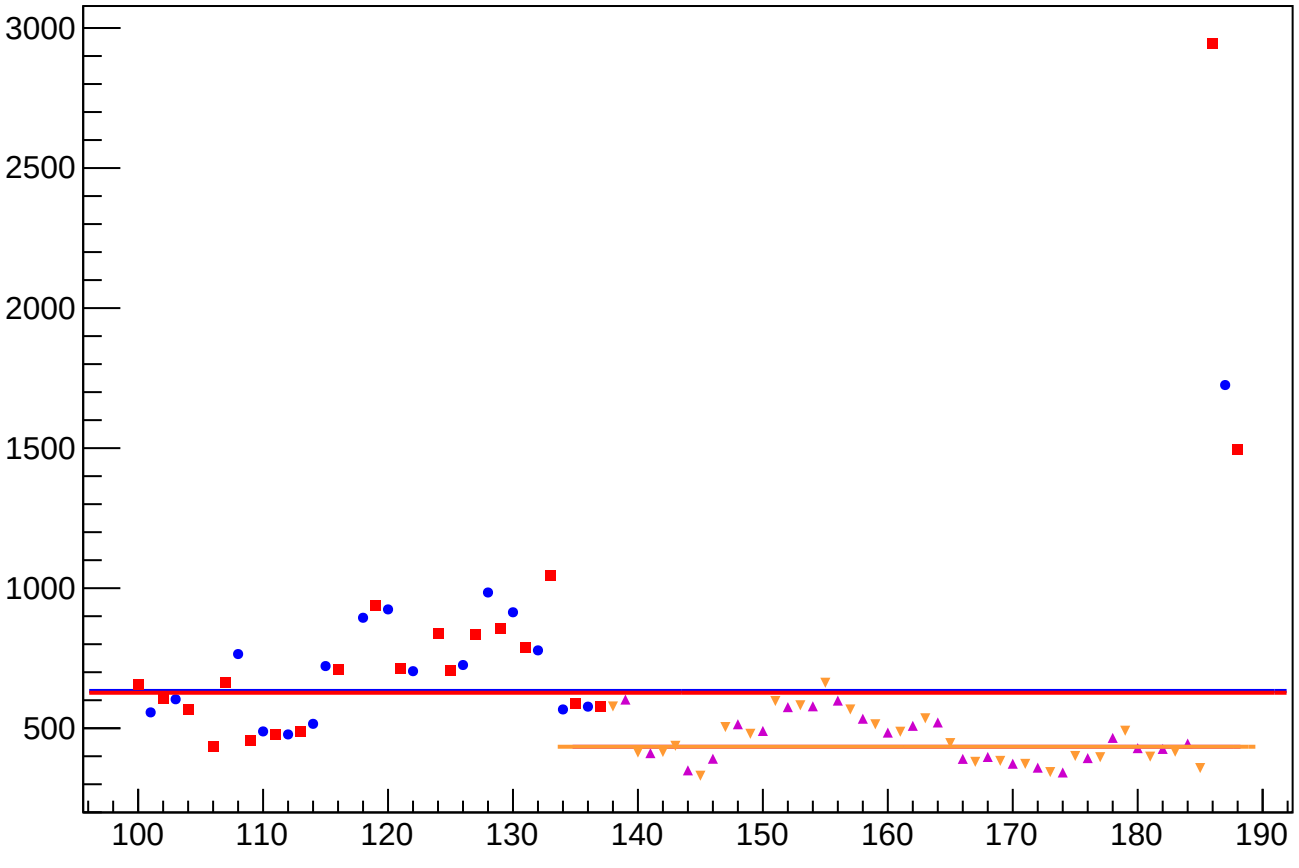
Left: 209.376+/-71.985 χ^2/NDF: 108.6/47

Right: -160.482+/-164.778 χ^2/NDF: 43.2/37

In: -28.709+/-94.799 χ^2/NDF:47.4/39

Out: 317.953+/-91.848 χ^2/NDF:101.7/45

All: 150.102+/-65.965 χ^2/NDF: 156.0/85



Right In: 633.128+/-0.170 χ^2/NDF: 844473.8/16

Left Out: 433.945+/-0.071 χ^2/NDF:1243702.1/24

Right Out: 626.671+/-0.160 χ^2/NDF: 2038387.6/20

Left In: 433.722+/-0.073 χ^2/NDF:1094788.4/22

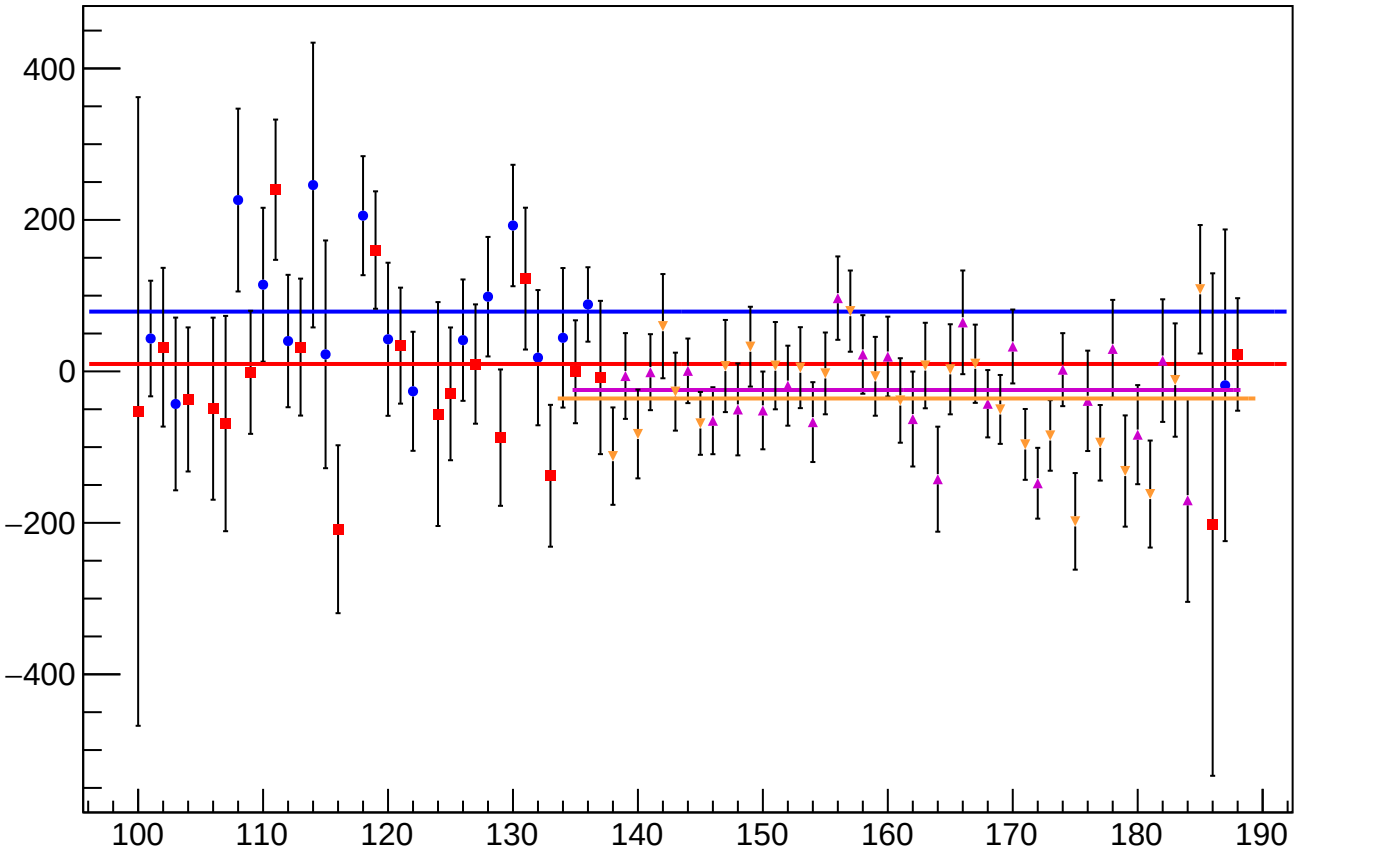
Left: 433.836+/-0.051 χ^2/NDF: 2338495.3/47

Right: 629.695+/-0.117 χ^2/NDF: 2883626.1/37

In: 464.632+/-0.067 χ^2/NDF:3098329.3/39

Out: 465.782+/-0.065 χ^2/NDF:4496456.5/45

All: 465.225+/-0.047 χ^2/NDF: 7594937.8/85



Right In: 78.938+/-21.358 χ^2/NDF: 11.8/16

Left Out: -35.792+/-11.119 χ^2/NDF:33.7/24

Right Out: 9.784+/-20.728 χ^2/NDF: 20.8/20

Left In: -24.573+/-11.471 χ^2/NDF:25.7/22

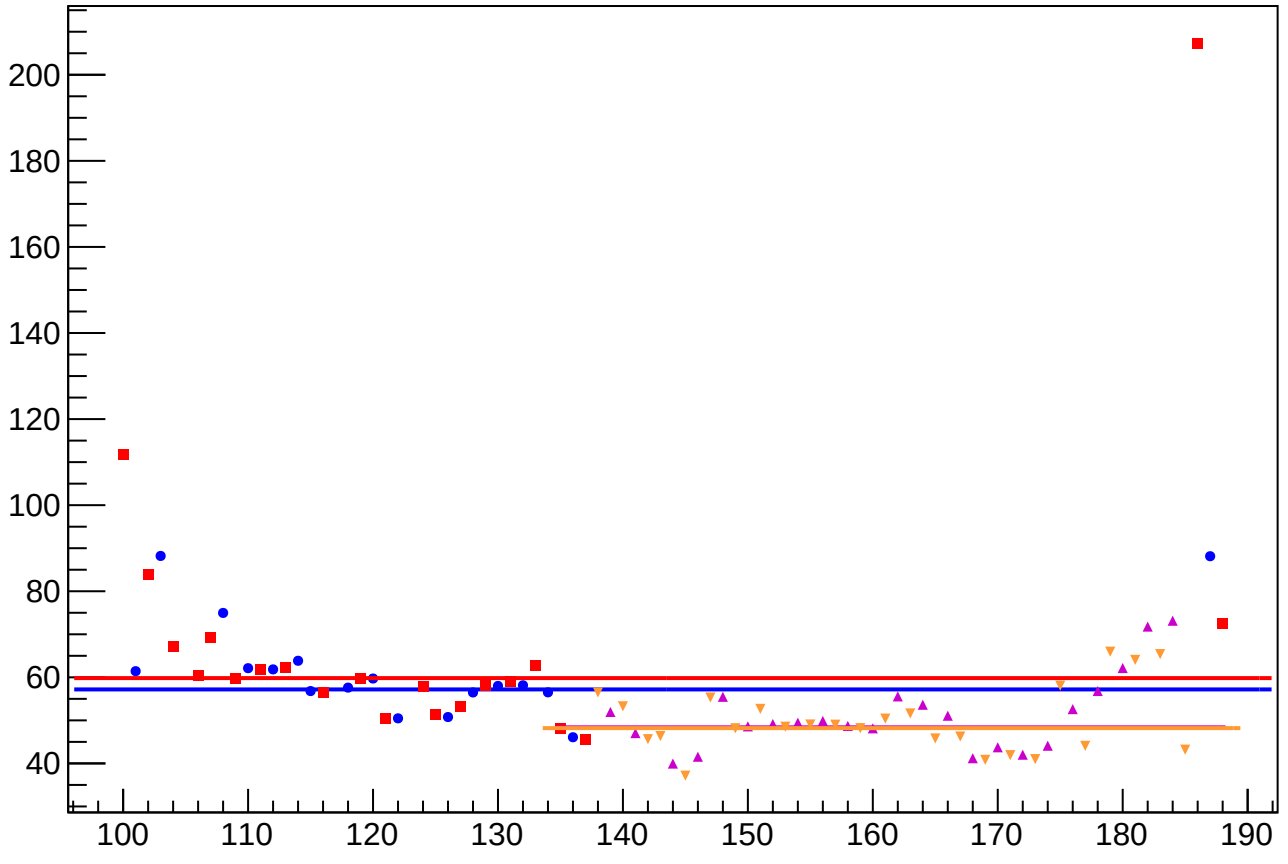
Left: -30.357+/-7.984 χ^2/NDF: 59.9/47

Right: 43.325+/-14.875 χ^2/NDF: 38.0/37

In: -1.400+/-10.106 χ^2/NDF:55.8/39

Out: -25.607+/-9.799 χ^2/NDF:58.3/45

All: -13.877+/-7.035 χ^2/NDF: 117.0/85



Right In: 57.191+/-0.015 χ^2/NDF: 387335.6/16

Left Out: 48.198+/-0.008 χ^2/NDF:780285.2/24

Right Out: 59.821+/-0.015 χ^2/NDF: 779506.5/20

Left In: 48.381+/-0.008 χ^2/NDF:695381.8/22

Left: 48.287+/-0.006 χ^2/NDF: 1475927.4/47

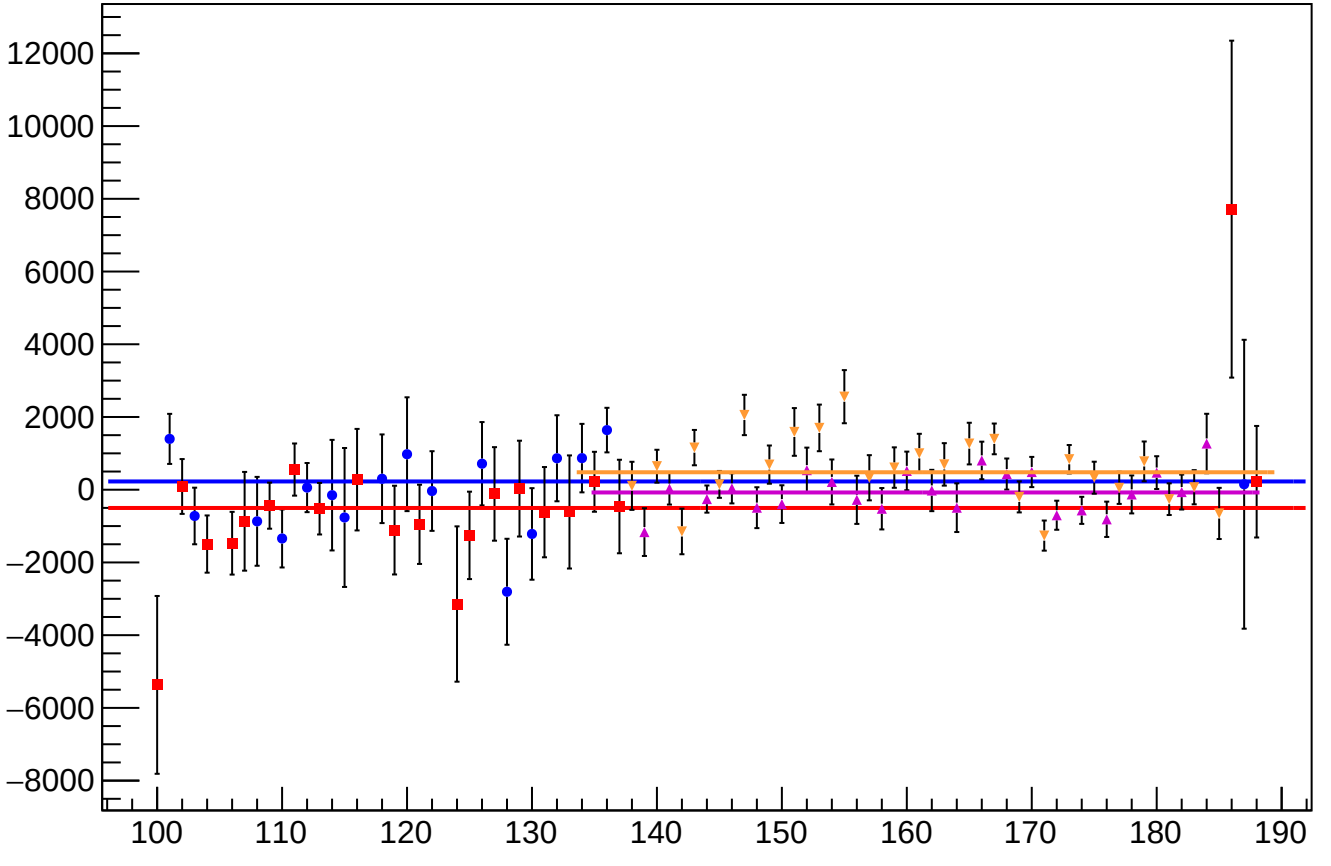
Right: 58.546+/-0.011 χ^2/NDF: 1182458.0/37

In: 50.353+/-0.007 χ^2/NDF:1346865.7/39

Out: 50.796+/-0.007 χ^2/NDF:2048122.5/45

All: 50.581+/-0.005 χ^2/NDF: 3396965.7/85

asym_sam_15_48_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 227.263+/-240.783 χ^2/NDF: 21.6/16

Left Out: 480.210+/-100.526 χ^2/NDF:69.2/24

Right Out: -502.022+/-225.982 χ^2/NDF: 16.7/20

Left In: -75.665+/-103.128 χ^2/NDF:24.5/22

Left: 209.376+/-71.985 χ^2/NDF: 108.6/47

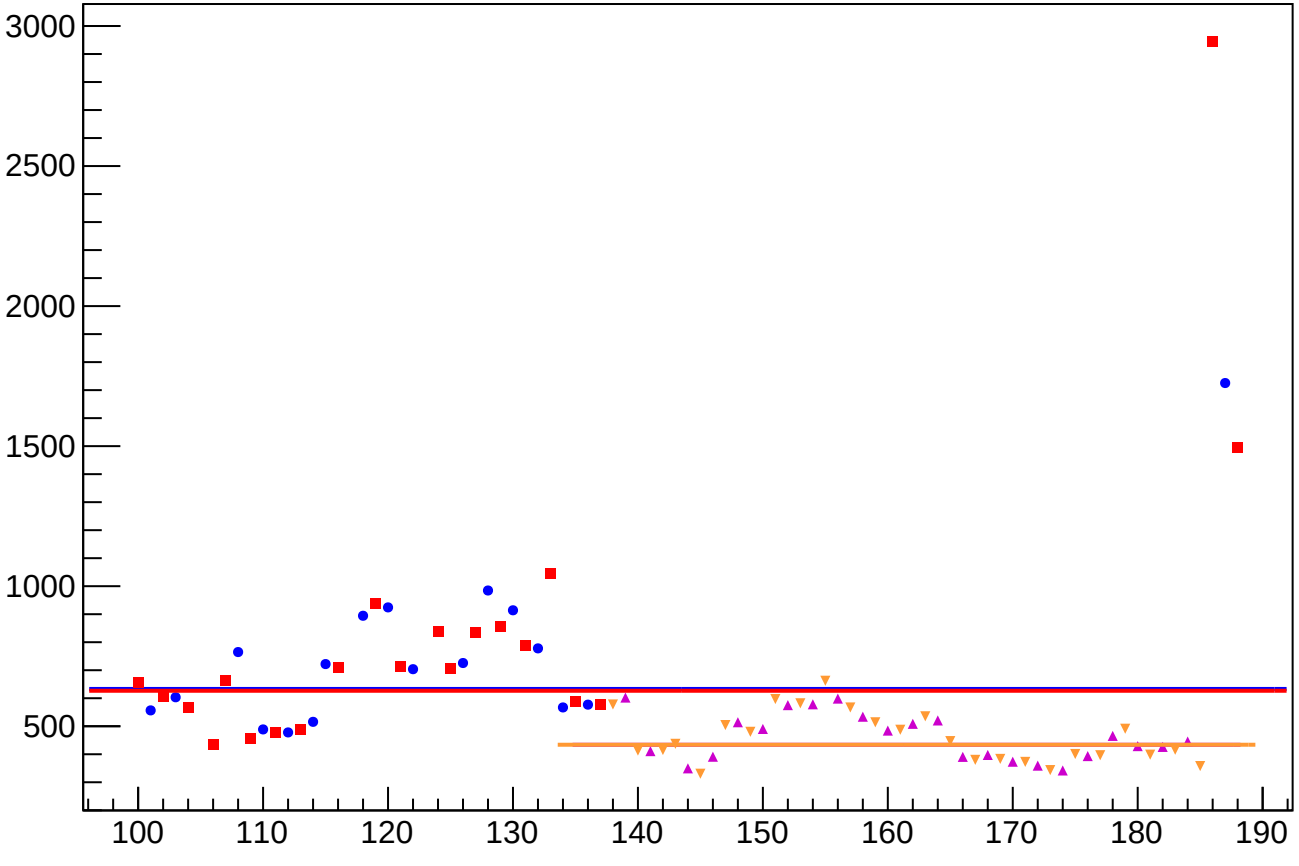
Right: -160.482+/-164.778 χ^2/NDF: 43.2/37

In: -28.709+/-94.799 χ^2/NDF:47.4/39

Out: 317.953+/-91.848 χ^2/NDF:101.7/45

All: 150.102+/-65.965 χ^2/NDF: 156.0/85

asym_sam_15_48_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 633.128+/-0.170 χ^2/NDF: 844473.8/16

Left Out: 433.945+/-0.071 χ^2/NDF:1243702.1/24

Right Out: 626.671+/-0.160 χ^2/NDF: 2038387.6/20

Left In: 433.722+/-0.073 χ^2/NDF:1094788.4/22

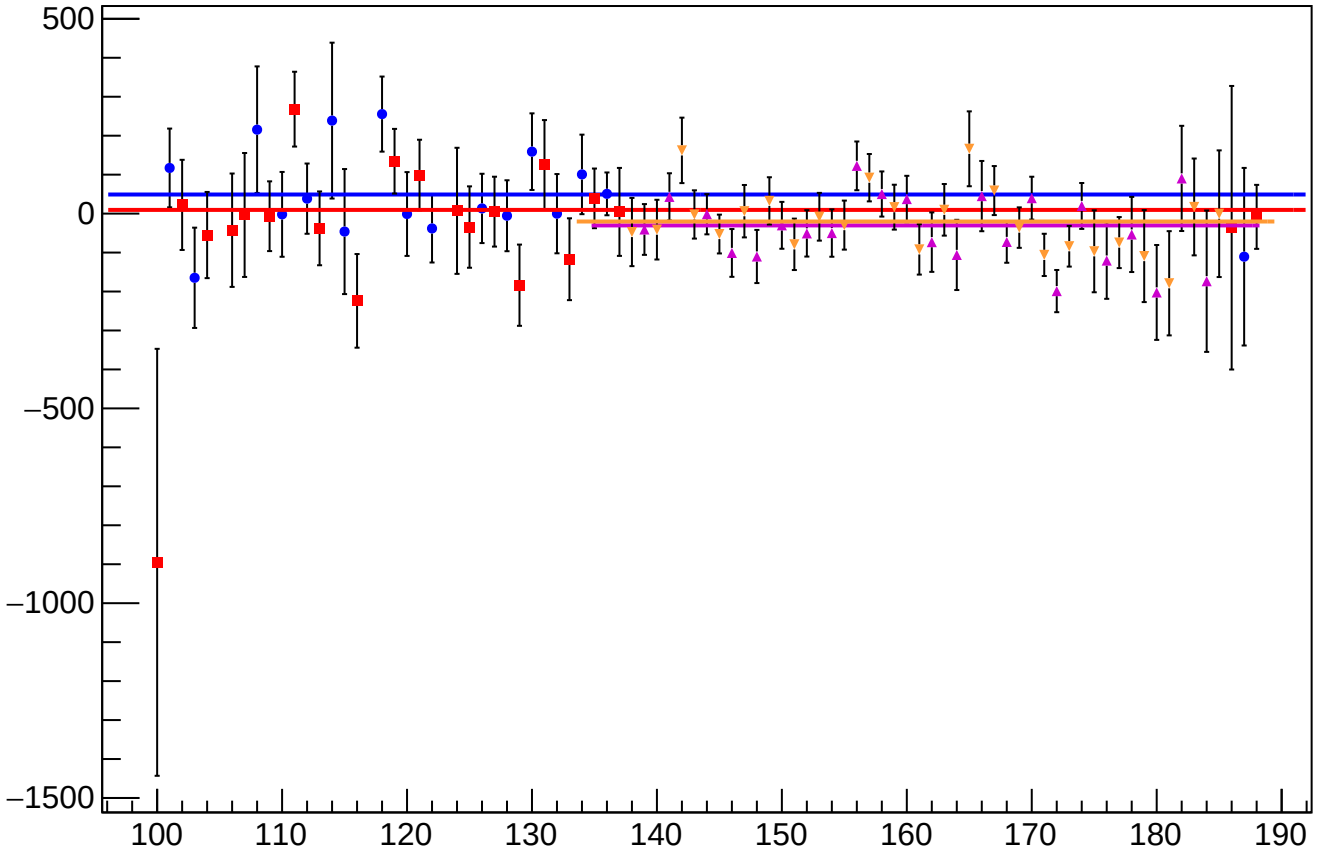
Left: 433.836+/-0.051 χ^2/NDF: 2338495.3/47

Right: 629.695+/-0.117 χ^2/NDF: 2883626.1/37

In: 464.632+/-0.067 χ^2/NDF:3098329.3/39

Out: 465.782+/-0.065 χ^2/NDF:4496456.5/45

All: 465.225+/-0.047 χ^2/NDF: 7594937.8/85



Right In: 49.017+/-24.352 χ^2/NDF: 14.3/16

Left Out: -20.270+/-13.636 χ^2/NDF:25.1/24

Right Out: 9.491+/-23.275 χ^2/NDF: 24.1/20

Left In: -30.318+/-13.979 χ^2/NDF:32.6/22

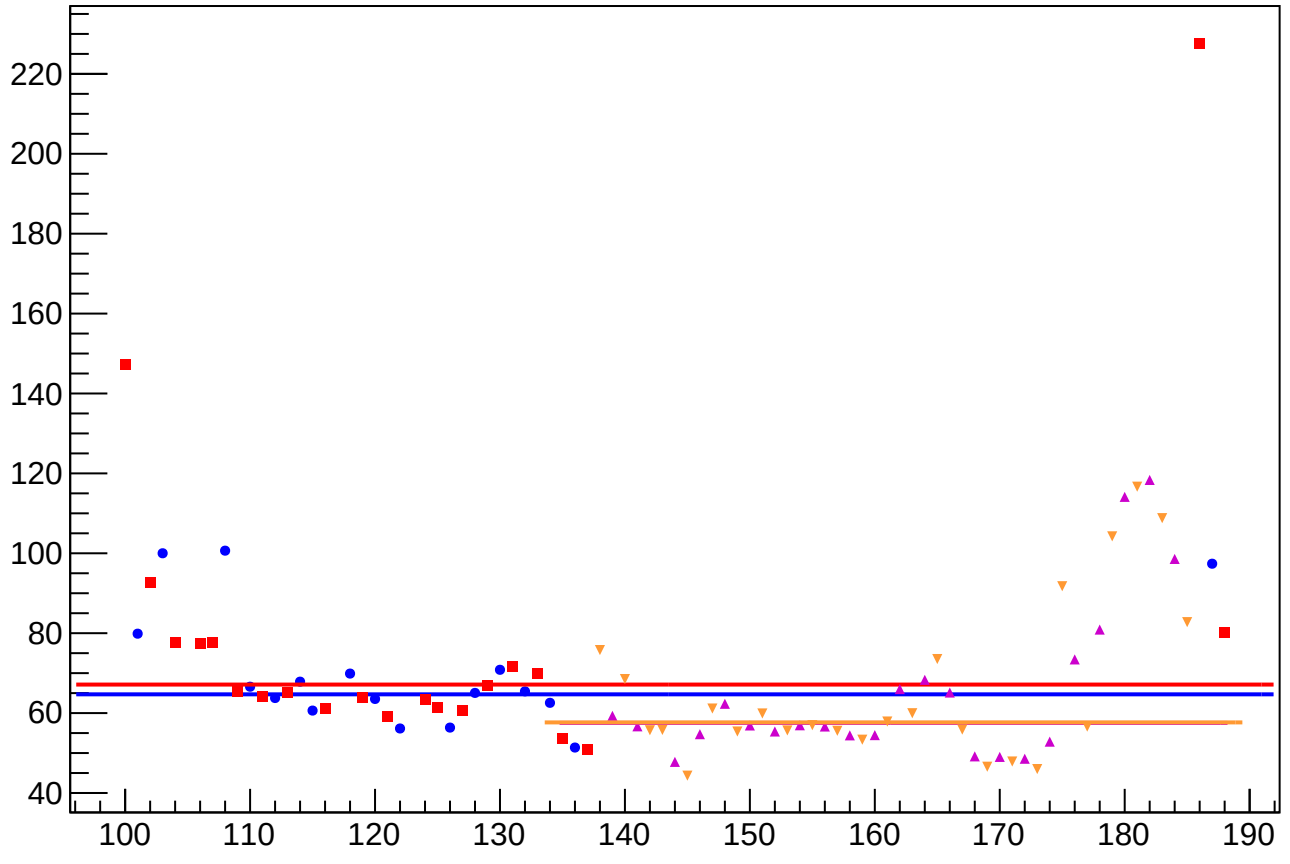
Left: -25.169+/-9.761 χ^2/NDF: 58.0/47

Right: 28.361+/-16.826 χ^2/NDF: 39.8/37

In: -10.655+/-12.123 χ^2/NDF:54.9/39

Out: -12.665+/-11.766 χ^2/NDF:50.4/45

All: -11.690+/-8.443 χ^2/NDF: 105.3/85



Right In: 64.694+/-0.017 χ^2/NDF: 506591.0/16

Left Out: 57.668+/-0.010 χ^2/NDF:1909743.5/24

Right Out: 67.141+/-0.016 χ^2/NDF: 770096.0/20

Left In: 57.539+/-0.010 χ^2/NDF:1443279.4/22

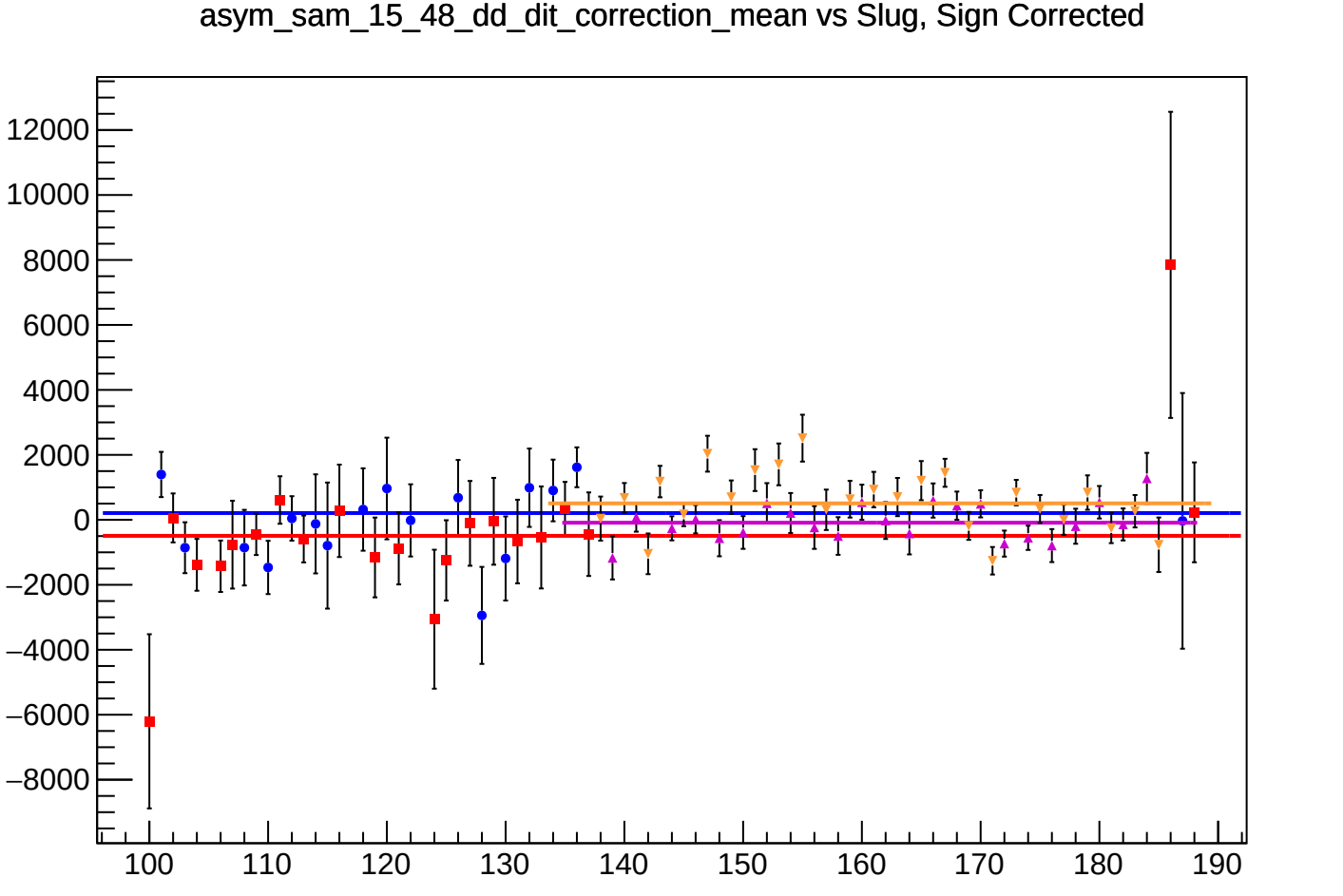
Left: 57.605+/-0.007 χ^2/NDF: 3353109.9/47

Right: 65.973+/-0.012 χ^2/NDF: 1287232.8/37

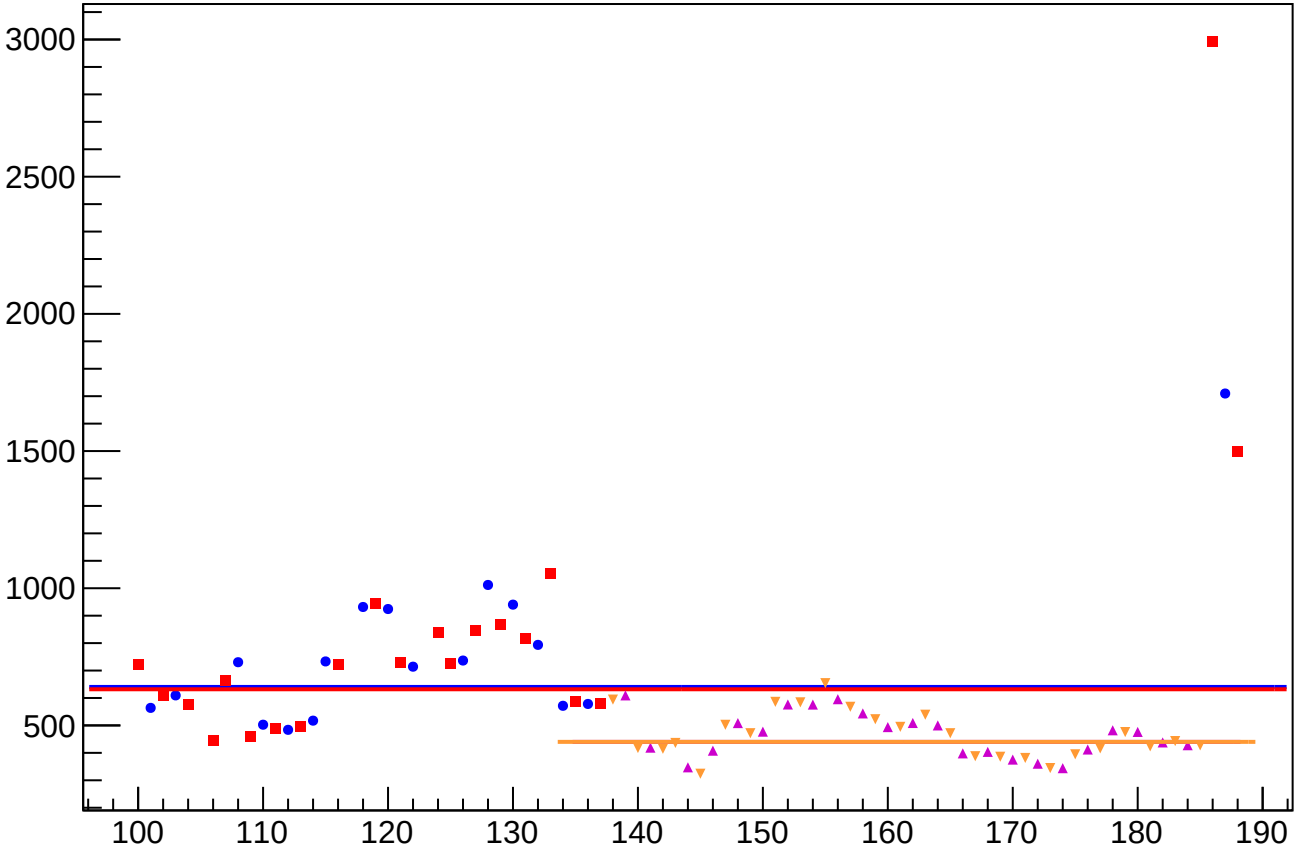
In: 59.313+/-0.009 χ^2/NDF:2079738.0/39

Out: 60.089+/-0.008 χ^2/NDF:2926445.6/45

All: 59.712+/-0.006 χ^2/NDF: 5010402.6/85


asym_sam_15_48_dd_dit_correction_mean vs Slug, Sign Corrected
12000
10000
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
100
110
120
130
140
150
160
170
180
190
Right In: 209.092+/-243.331 χ²/NDF: 22.4/16
Left Out: 507.171+/-101.776 χ²/NDF:65.8/24
Right Out: -492.699+/-226.893 χ²/NDF: 17.2/20
Left In: -88.471+/-104.542 χ²/NDF:23.3/22
Left: 217.331+/-72.925 χ²/NDF: 105.8/47
Right: -166.308+/-165.945 χ²/NDF: 44.1/37
In: -42.106+/-96.052 χ²/NDF:47.0/39
Out: 339.685+/-92.862 χ²/NDF:99.2/45
All: 155.236+/-66.763 χ²/NDF: 154.4/85

asym_sam_15_48_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 640.249+/-0.172 χ^2/NDF: 853518.6/16

Left Out: 440.075+/-0.072 χ^2/NDF:1196985.5/24

Right Out: 631.755+/-0.160 χ^2/NDF: 2054593.5/20

Left In: 439.877+/-0.074 χ^2/NDF:1061910.1/22

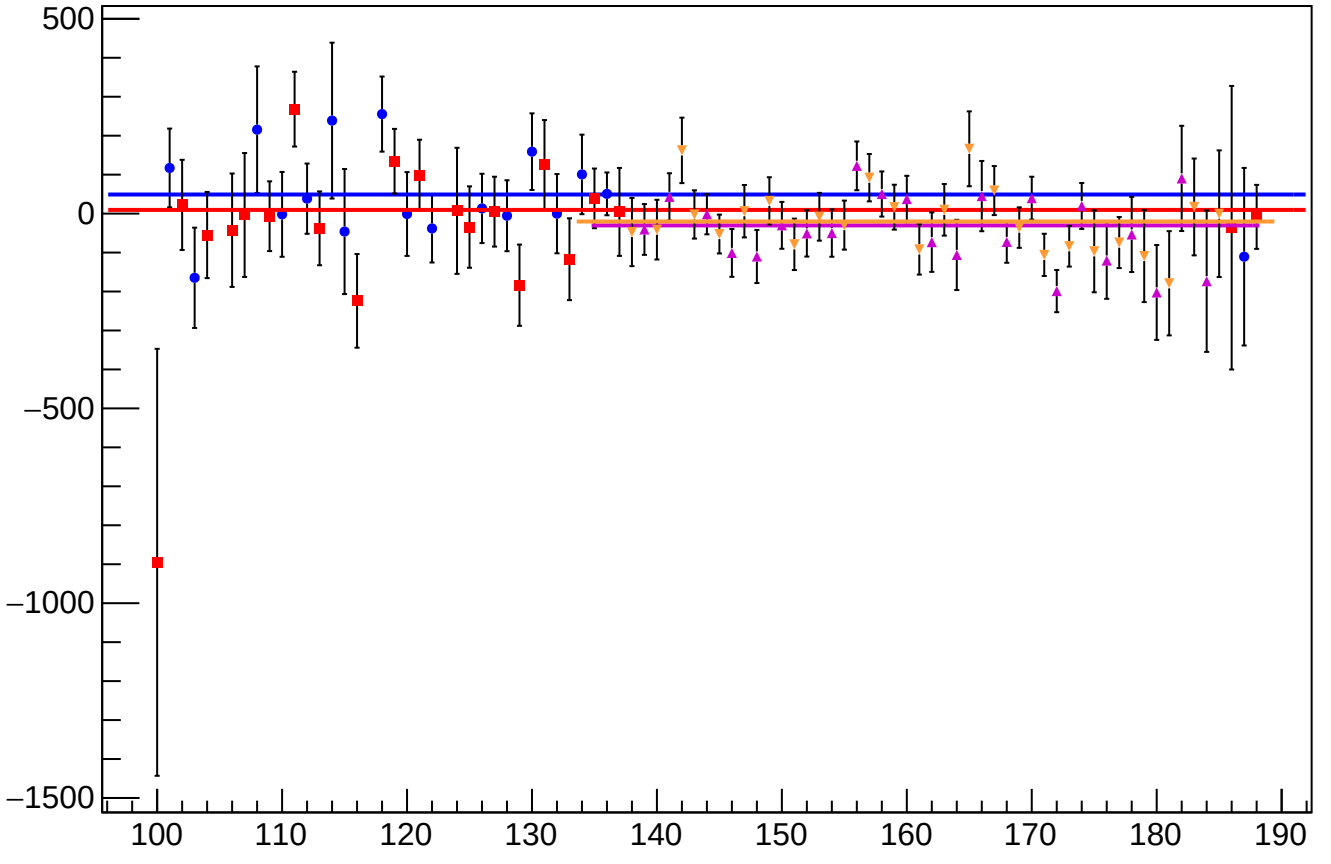
Left: 439.979+/-0.052 χ^2/NDF: 2258899.3/47

Right: 635.705+/-0.117 χ^2/NDF: 2909415.9/37

In: 471.099+/-0.068 χ^2/NDF:3060265.2/39

Out: 472.183+/-0.066 χ^2/NDF:4439862.7/45

All: 471.659+/-0.047 χ^2/NDF: 7500259.6/85



Right In: 49.015+/-24.352 χ^2/NDF: 14.3/16

Left Out: -20.271+/-13.636 χ^2/NDF:25.1/24

Right Out: 9.490+/-23.275 χ^2/NDF: 24.1/20

Left In: -30.318+/-13.979 χ^2/NDF:32.6/22

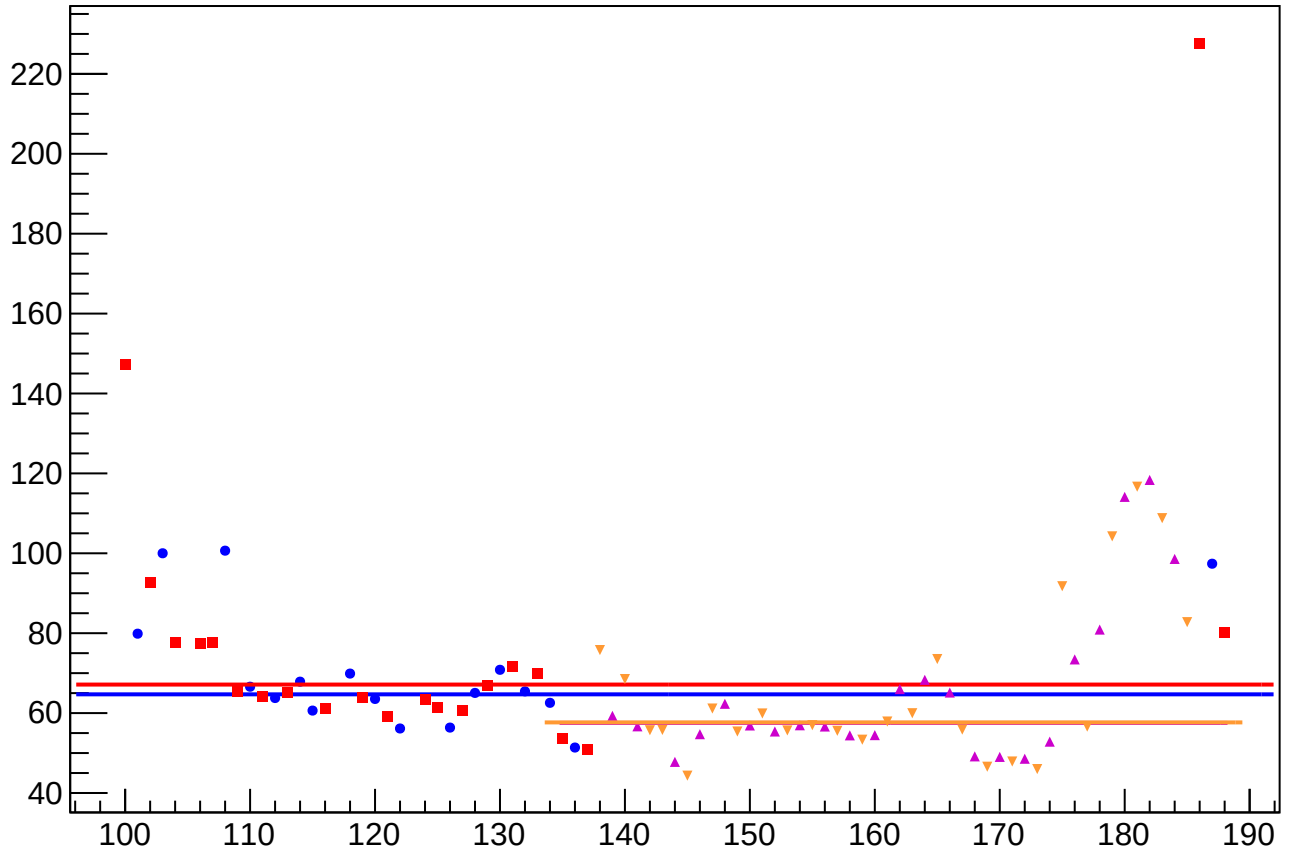
Left: -25.170+/-9.761 χ^2/NDF: 58.0/47

Right: 28.360+/-16.826 χ^2/NDF: 39.8/37

In: -10.656+/-12.123 χ^2/NDF:54.9/39

Out: -12.666+/-11.766 χ^2/NDF:50.4/45

All: -11.691+/-8.443 χ^2/NDF: 105.3/85



Right In: 64.694+/-0.017 χ^2/NDF: 506590.6/16

Left Out: 57.668+/-0.010 χ^2/NDF:1909739.8/24

Right Out: 67.140+/-0.016 χ^2/NDF: 770105.9/20

Left In: 57.539+/-0.010 χ^2/NDF:1443262.3/22

Left: 57.605+/-0.007 χ^2/NDF: 3353089.2/47

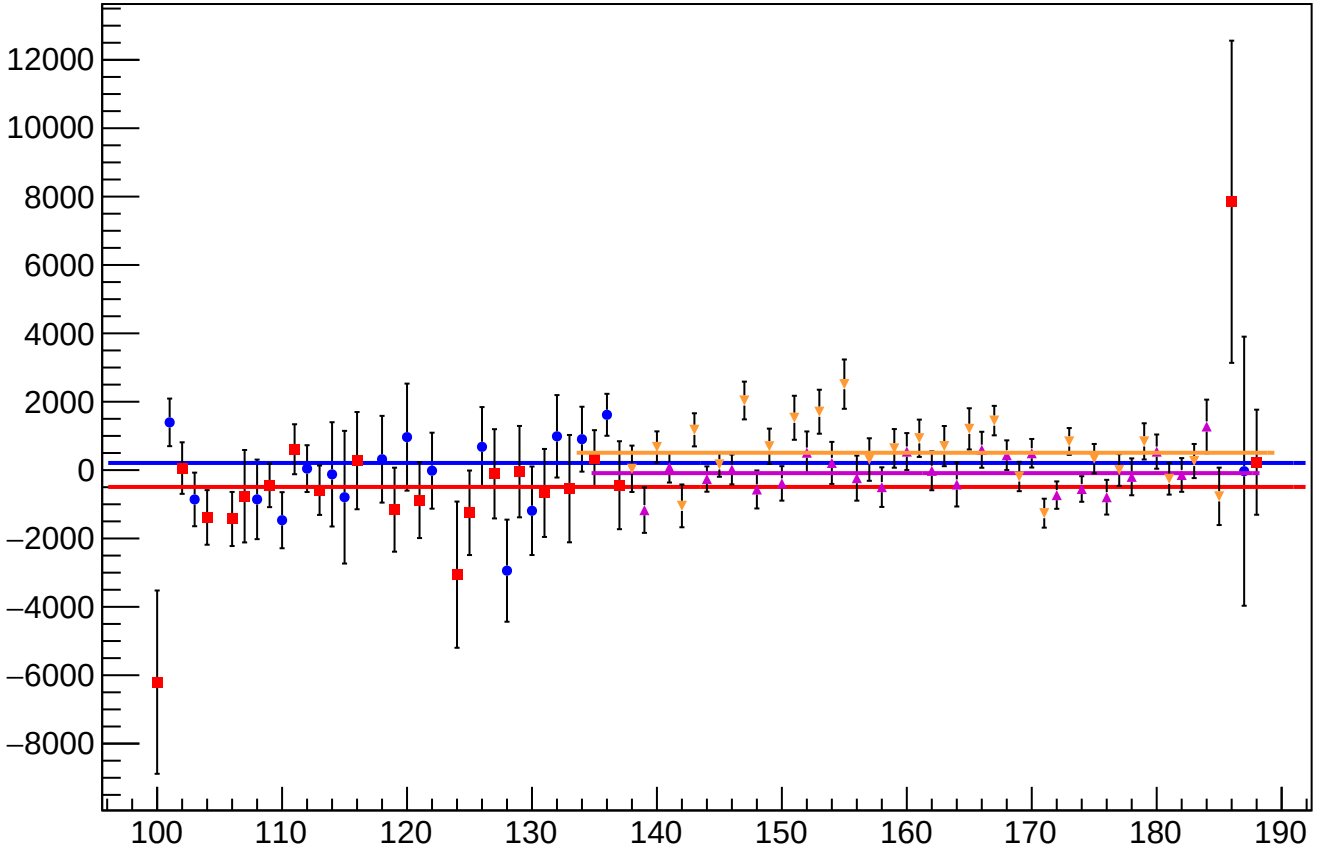
Right: 65.973+/-0.012 χ^2/NDF: 1287241.9/37

In: 59.313+/-0.009 χ^2/NDF:2079715.6/39

Out: 60.089+/-0.008 χ^2/NDF:2926438.9/45

All: 59.712+/-0.006 χ^2/NDF: 5010374.0/85

asym_sam_15_48_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 209.091+/-243.331 χ^2/NDF: 22.4/16

Left Out: 507.170+/-101.776 χ^2/NDF:65.8/24

Right Out: -492.698+/-226.892 χ^2/NDF: 17.2/20

Left In: -88.471+/-104.541 χ^2/NDF:23.3/22

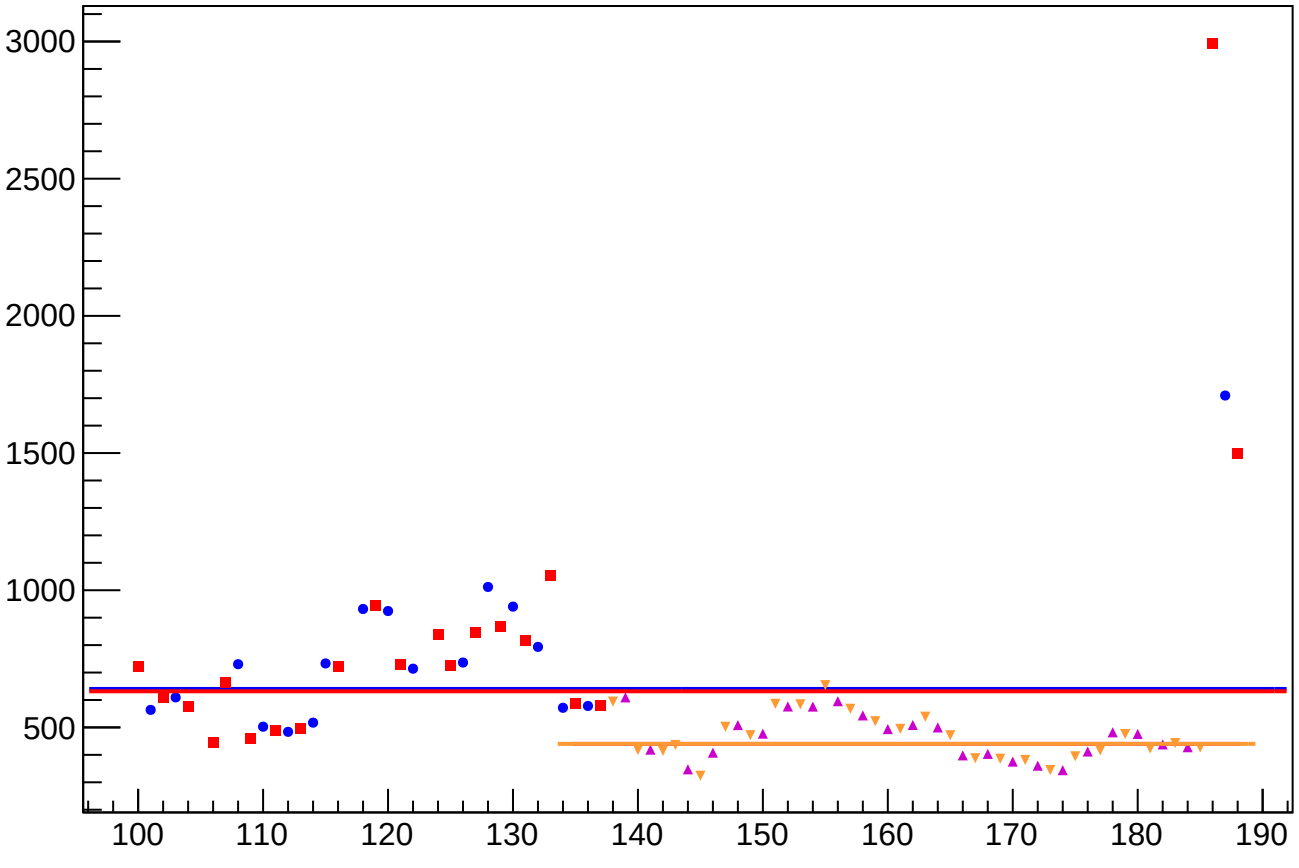
Left: 217.331+/-72.925 χ^2/NDF: 105.8/47

Right: -166.308+/-165.945 χ^2/NDF: 44.1/37

In: -42.106+/-96.052 χ^2/NDF:47.0/39

Out: 339.685+/-92.862 χ^2/NDF:99.2/45

All: 155.235+/-66.762 χ^2/NDF: 154.4/85



Right In: 640.248+/-0.172 χ^2/NDF: 853521.6/16

Left Out: 440.074+/-0.072 χ^2/NDF:1196993.4/24

Right Out: 631.754+/-0.160 χ^2/NDF: 2054594.8/20

Left In: 439.876+/-0.074 χ^2/NDF:1061916.6/22

Left: 439.978+/-0.052 χ^2/NDF: 2258913.7/47

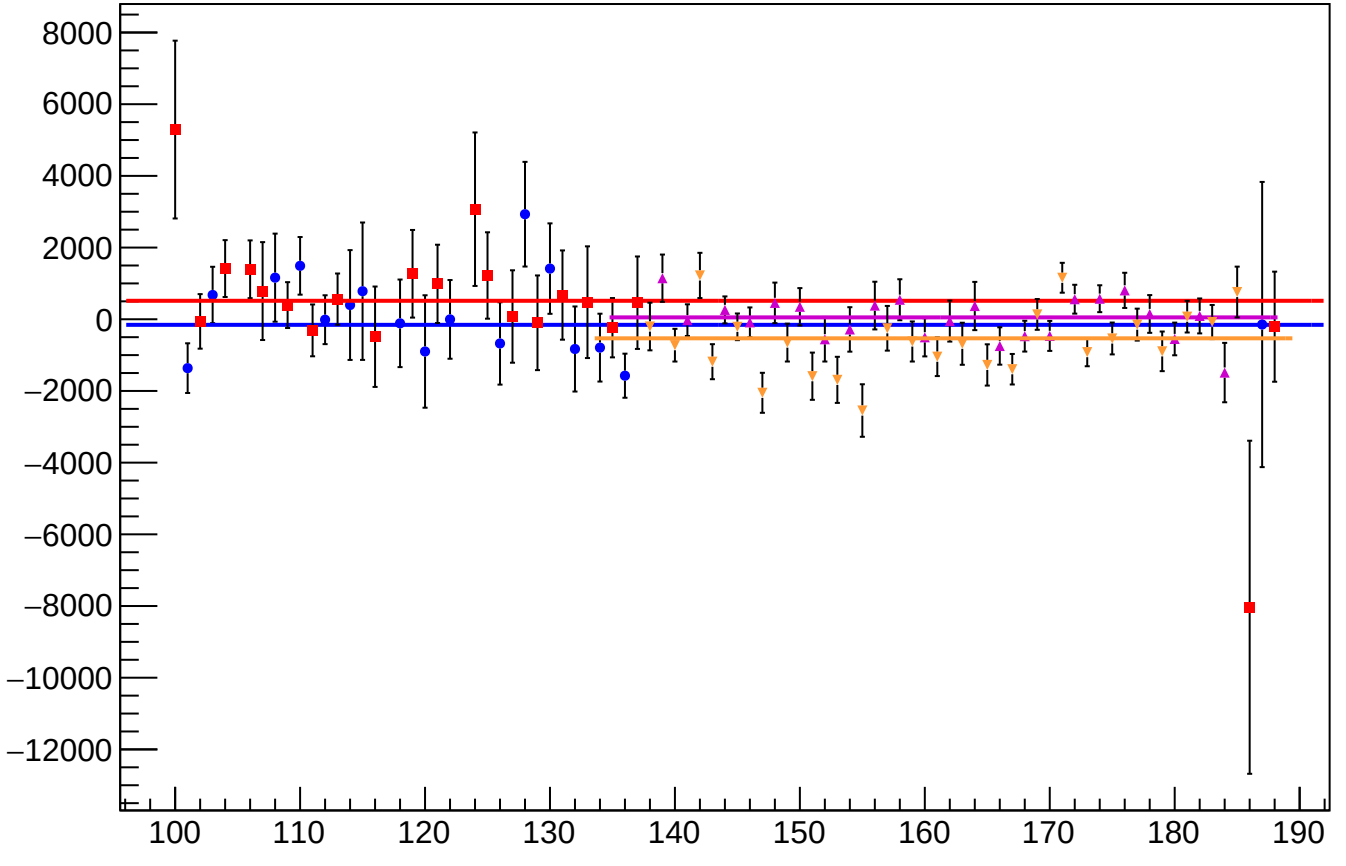
Right: 635.704+/-0.117 χ^2/NDF: 2909420.2/37

In: 471.097+/-0.068 χ^2/NDF:3060282.6/39

Out: 472.182+/-0.066 χ^2/NDF:4439879.4/45

All: 471.658+/-0.047 χ^2/NDF: 7500293.8/85

asym_sam_15_48_dd_mean vs Slug, Sign Corrected



Right In: -155.618+/-242.145 χ^2/NDF: 22.5/16

Left Out: -531.569+/-101.245 χ^2/NDF:65.6/24

Right Out: 515.369+/-226.121 χ^2/NDF: 15.8/20

Left In: 52.554+/-103.870 χ^2/NDF:24.1/22

Left: -246.981+/-72.501 χ^2/NDF: 105.9/47

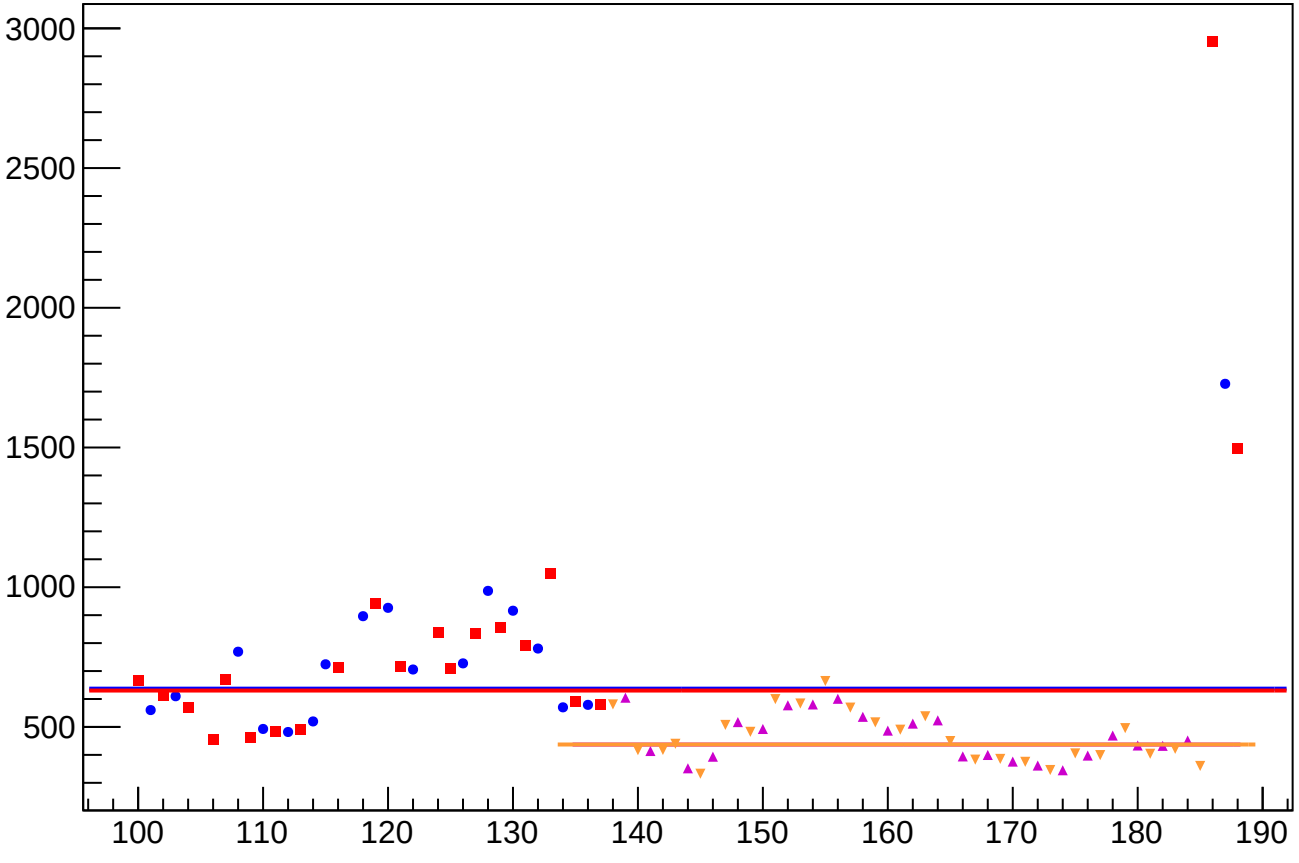
Right: 202.810+/-165.267 χ^2/NDF: 42.3/37

In: 20.202+/-95.458 χ^2/NDF:47.2/39

Out: -356.732+/-92.405 χ^2/NDF:99.2/45

All: -174.389+/-66.394 χ^2/NDF: 154.4/85

asym_sam_15_48_dd_rms vs Slug, Sign Corrected



Right In: 637.023+/-0.171 χ^2/NDF: 832082.4/16

Left Out: 437.157+/-0.072 χ^2/NDF:1227453.3/24

Right Out: 630.248+/-0.160 χ^2/NDF: 2013297.7/20

Left In: 436.937+/-0.073 χ^2/NDF:1080038.0/22

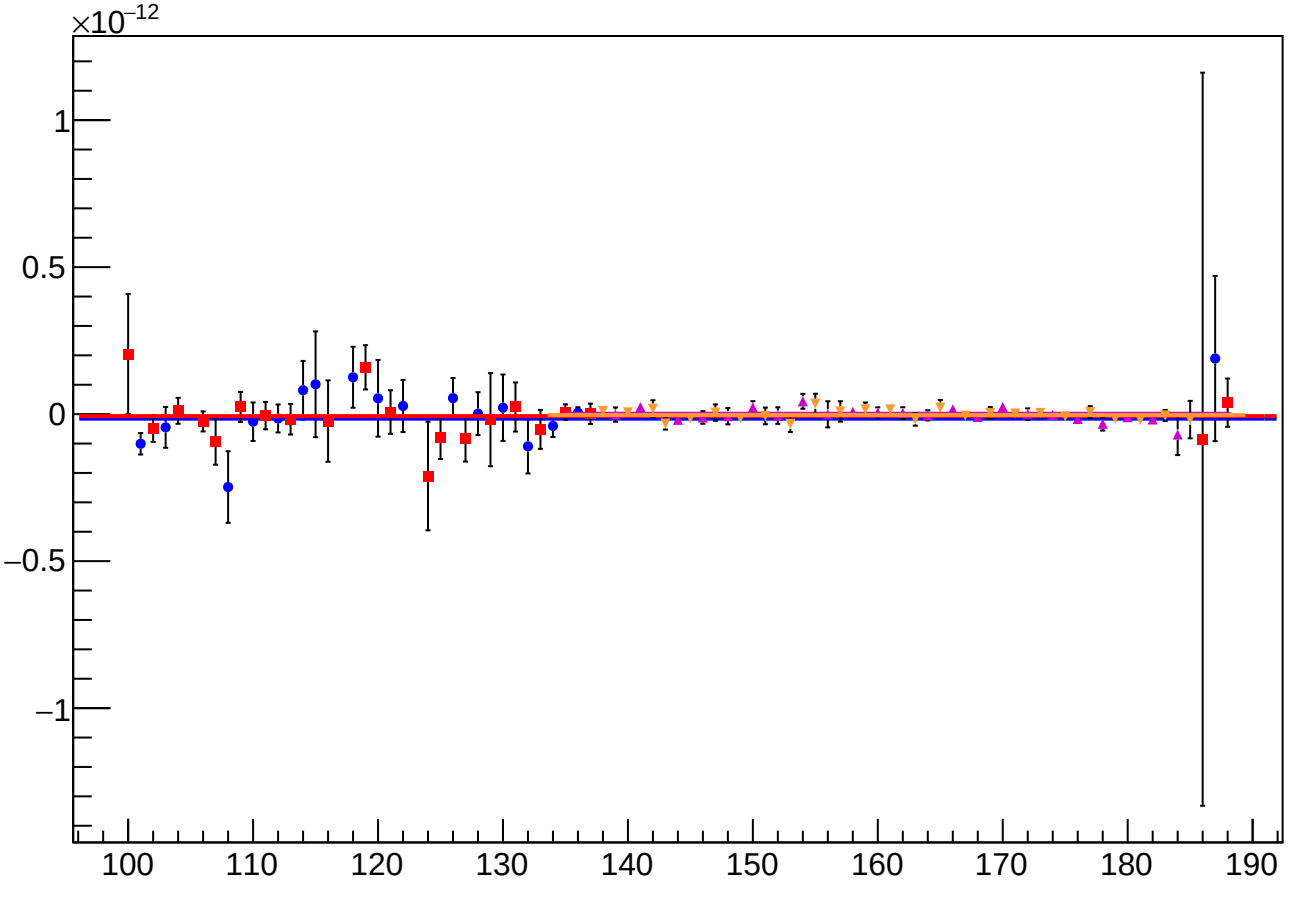
Left: 437.050+/-0.051 χ^2/NDF: 2307495.9/47

Right: 633.404+/-0.117 χ^2/NDF: 2846216.4/37

In: 468.032+/-0.067 χ^2/NDF:3065454.0/39

Out: 469.403+/-0.065 χ^2/NDF:4455588.9/45

All: 468.740+/-0.047 χ^2/NDF: 7521255.6/85



Right In: -0.000+/-0.000 χ^2/NDF: 17.4/16

Left Out: -0.000+/-0.000 χ^2/NDF:14.3/24

Right Out: -0.000+/-0.000 χ^2/NDF: 13.3/20

Left In: 0.000+/-0.000 χ^2/NDF:22.0/22

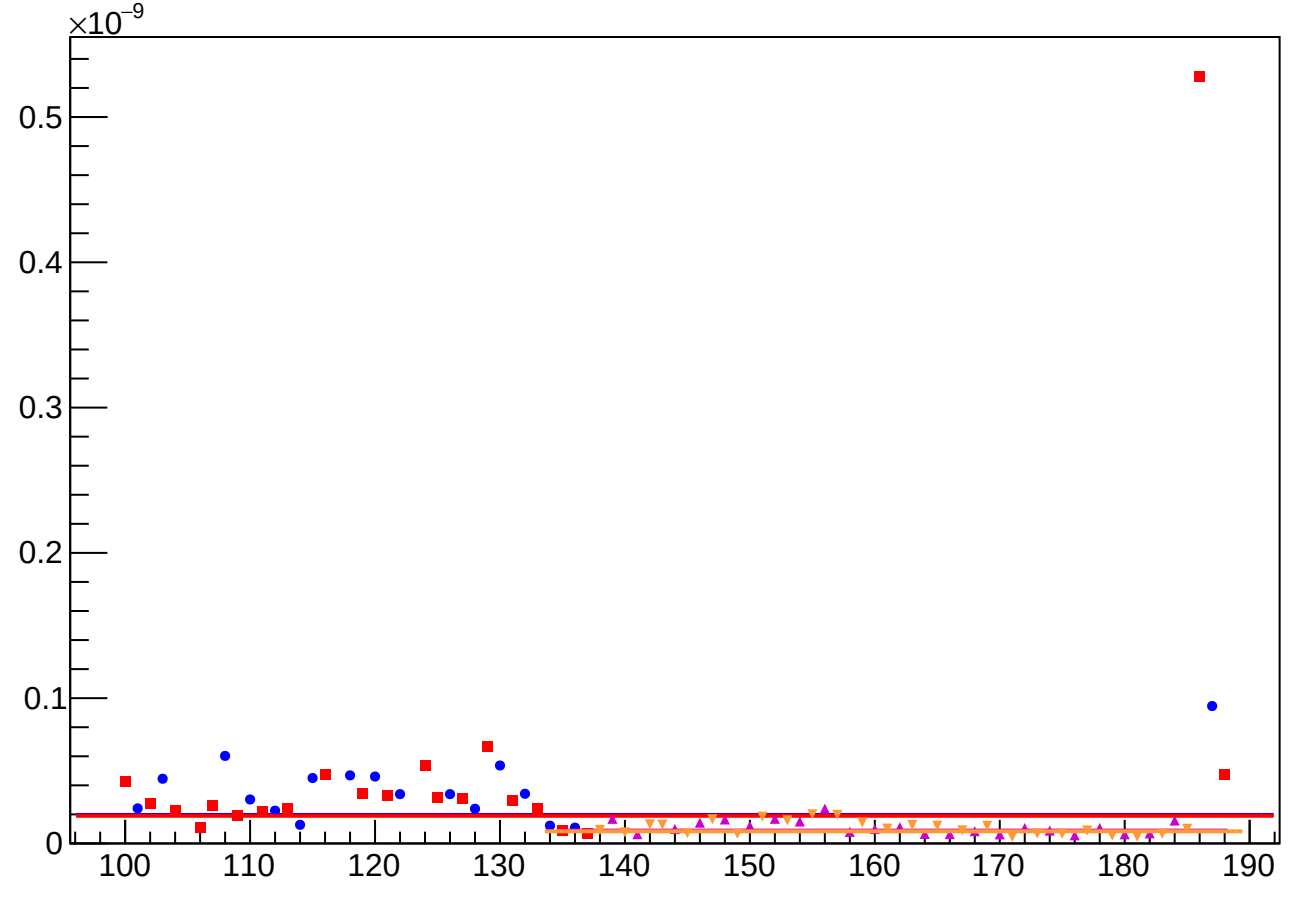
Left: -0.000+/-0.000 χ^2/NDF: 37.2/47

Right: -0.000+/-0.000 χ^2/NDF: 31.0/37

In: -0.000+/-0.000 χ^2/NDF:41.1/39

Out: -0.000+/-0.000 χ^2/NDF:27.7/45

All: -0.000+/-0.000 χ^2/NDF: 69.3/85



Right In: 0.000+/-0.000 χ^2/NDF: 1878136.7/16

Left Out: 0.000+/-0.000 χ^2/NDF:2207304.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2019176.5/20

Left In: 0.000+/-0.000 χ^2/NDF:1644276.1/22

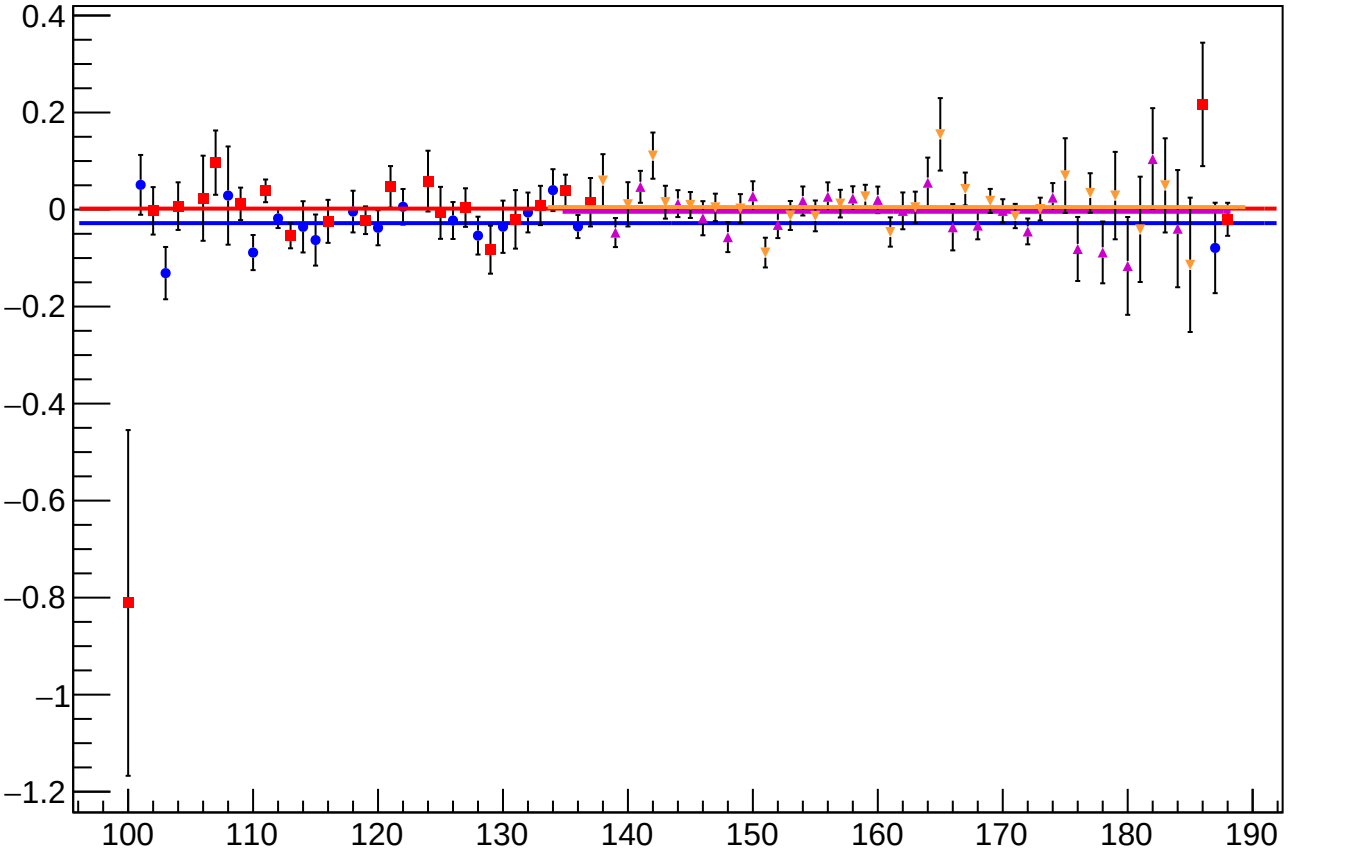
Left: 0.000+/-0.000 χ^2/NDF: 3869791.0/47

Right: 0.000+/-0.000 χ^2/NDF: 3899414.5/37

In: 0.000+/-0.000 χ^2/NDF:4874238.6/39

Out: 0.000+/-0.000 χ^2/NDF:5690168.0/45

All: 0.000+/-0.000 χ^2/NDF: 10587601.0/85



Right In: -0.028+/-0.009 χ^2/NDF: 14.0/16

Left Out: 0.005+/-0.007 χ^2/NDF:28.4/24

Right Out: 0.002+/-0.009 χ^2/NDF: 25.4/20

Left In: -0.005+/-0.007 χ^2/NDF:25.1/22

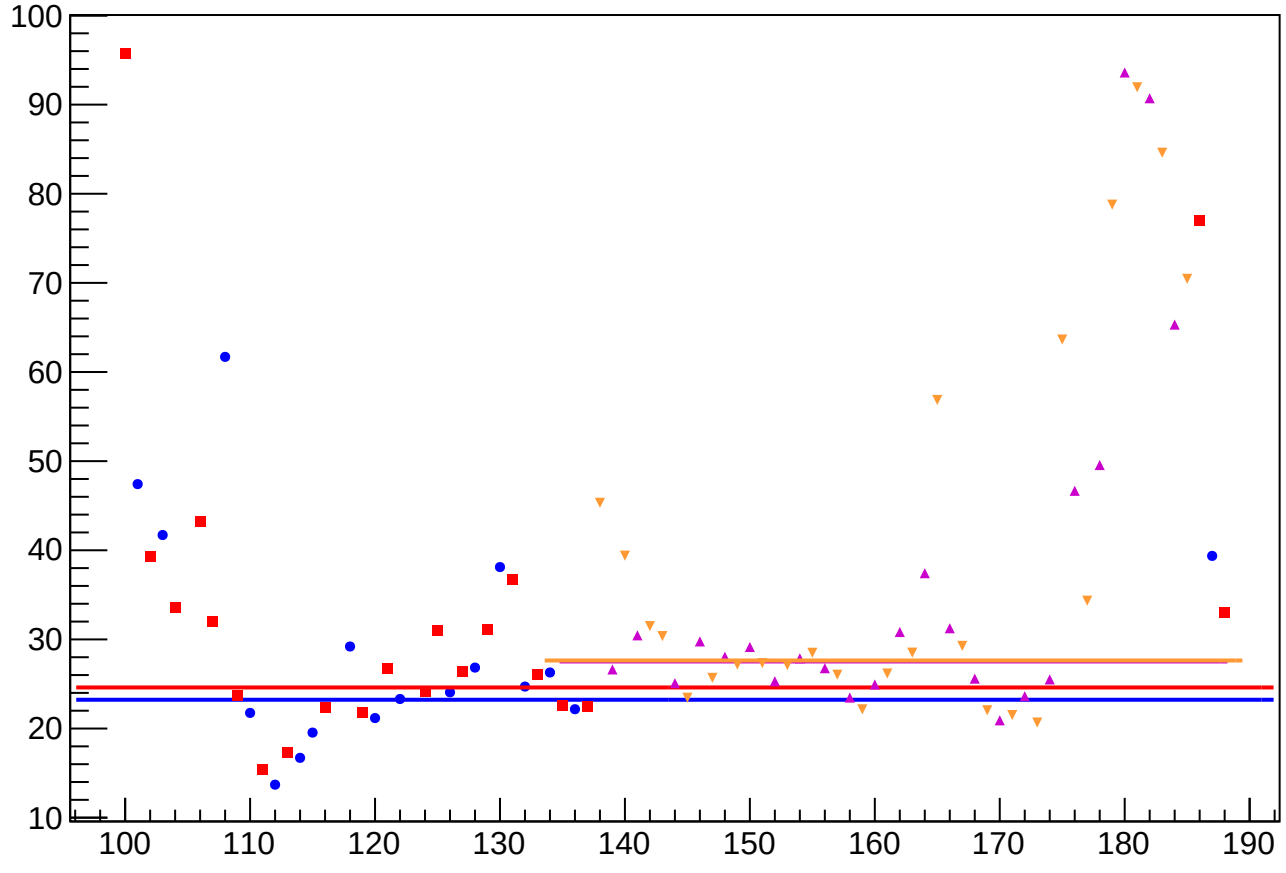
Left: 0.000+/-0.005 χ^2/NDF: 54.5/47

Right: -0.012+/-0.006 χ^2/NDF: 44.7/37

In: -0.013+/-0.006 χ^2/NDF:43.1/39

Out: 0.004+/-0.005 χ^2/NDF:53.9/45

All: -0.004+/-0.004 χ^2/NDF: 101.7/85



Right In: 23.230+/-0.007 χ^2/NDF: 1625031.7/16

Left Out: 27.635+/-0.005 χ^2/NDF:3974084.8/24

Right Out: 24.609+/-0.006 χ^2/NDF: 1569087.3/20

Left In: 27.524+/-0.005 χ^2/NDF:2634540.9/22

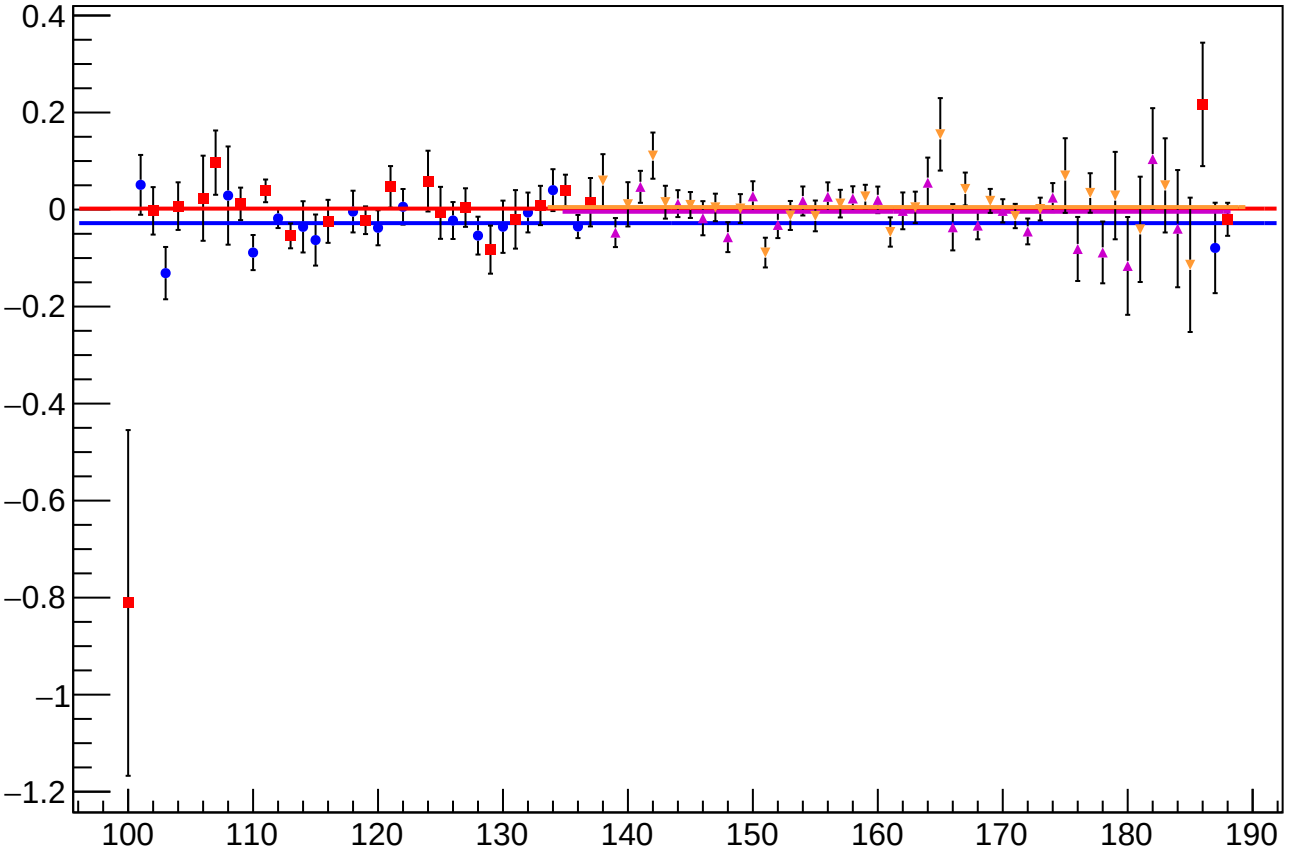
Left: 27.581+/-0.003 χ^2/NDF: 6608881.9/47

Right: 23.950+/-0.005 χ^2/NDF: 3216873.8/37

In: 25.986+/-0.004 χ^2/NDF:4530593.7/39

Out: 26.516+/-0.004 χ^2/NDF:5687491.3/45

All: 26.259+/-0.003 χ^2/NDF: 10227321.3/85



Right In: -0.028+/-0.009 χ^2/NDF: 14.0/16

Left Out: 0.005+/-0.007 χ^2/NDF:28.4/24

Right Out: 0.002+/-0.009 χ^2/NDF: 25.4/20

Left In: -0.005+/-0.007 χ^2/NDF:25.1/22

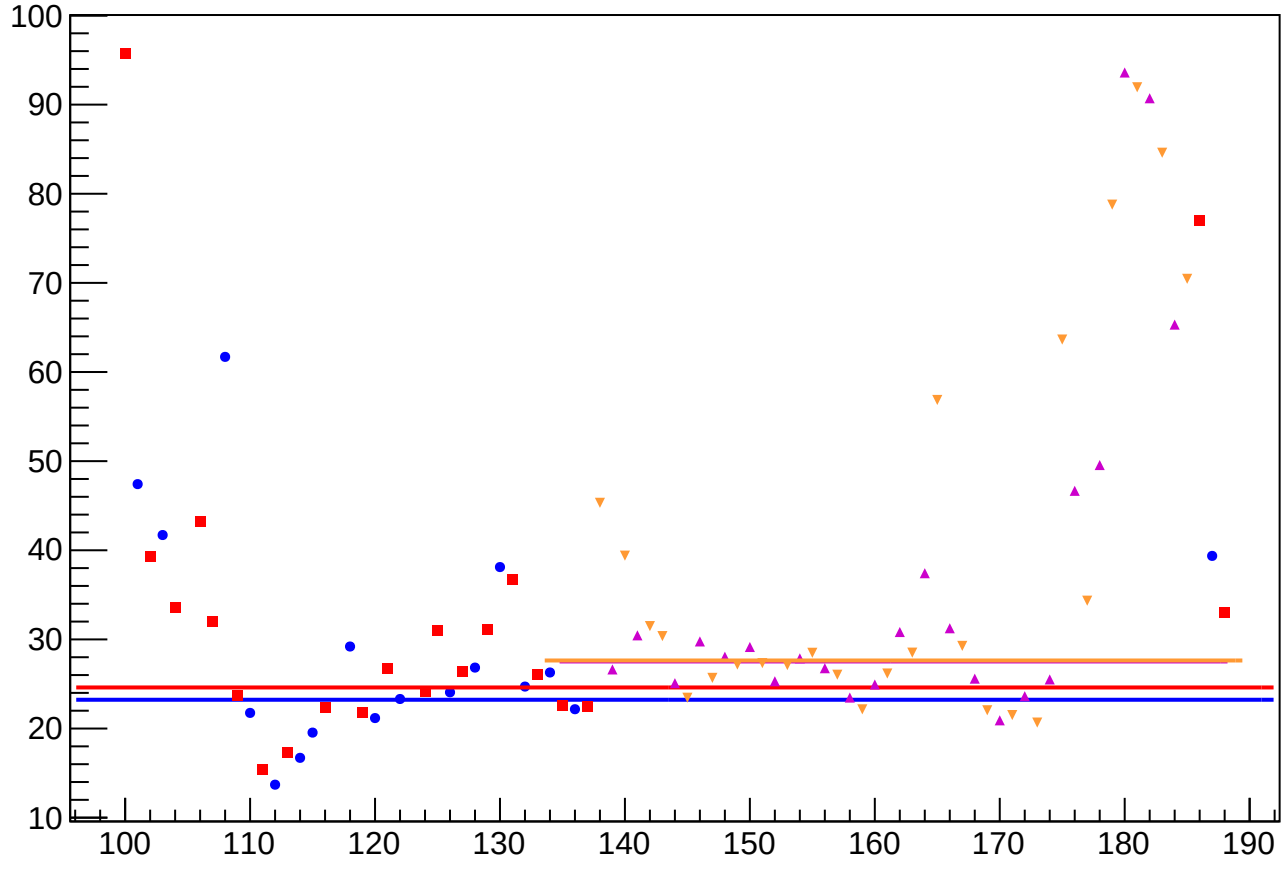
Left: 0.000+/-0.005 χ^2/NDF: 54.5/47

Right: -0.012+/-0.006 χ^2/NDF: 44.7/37

In: -0.013+/-0.006 χ^2/NDF:43.1/39

Out: 0.004+/-0.005 χ^2/NDF:53.9/45

All: -0.004+/-0.004 χ^2/NDF: 101.7/85



Right In: 23.230+/-0.007 χ^2/NDF: 1625031.7/16

Left Out: 27.635+/-0.005 χ^2/NDF:3974084.8/24

Right Out: 24.609+/-0.006 χ^2/NDF: 1569087.3/20

Left In: 27.524+/-0.005 χ^2/NDF:2634540.9/22

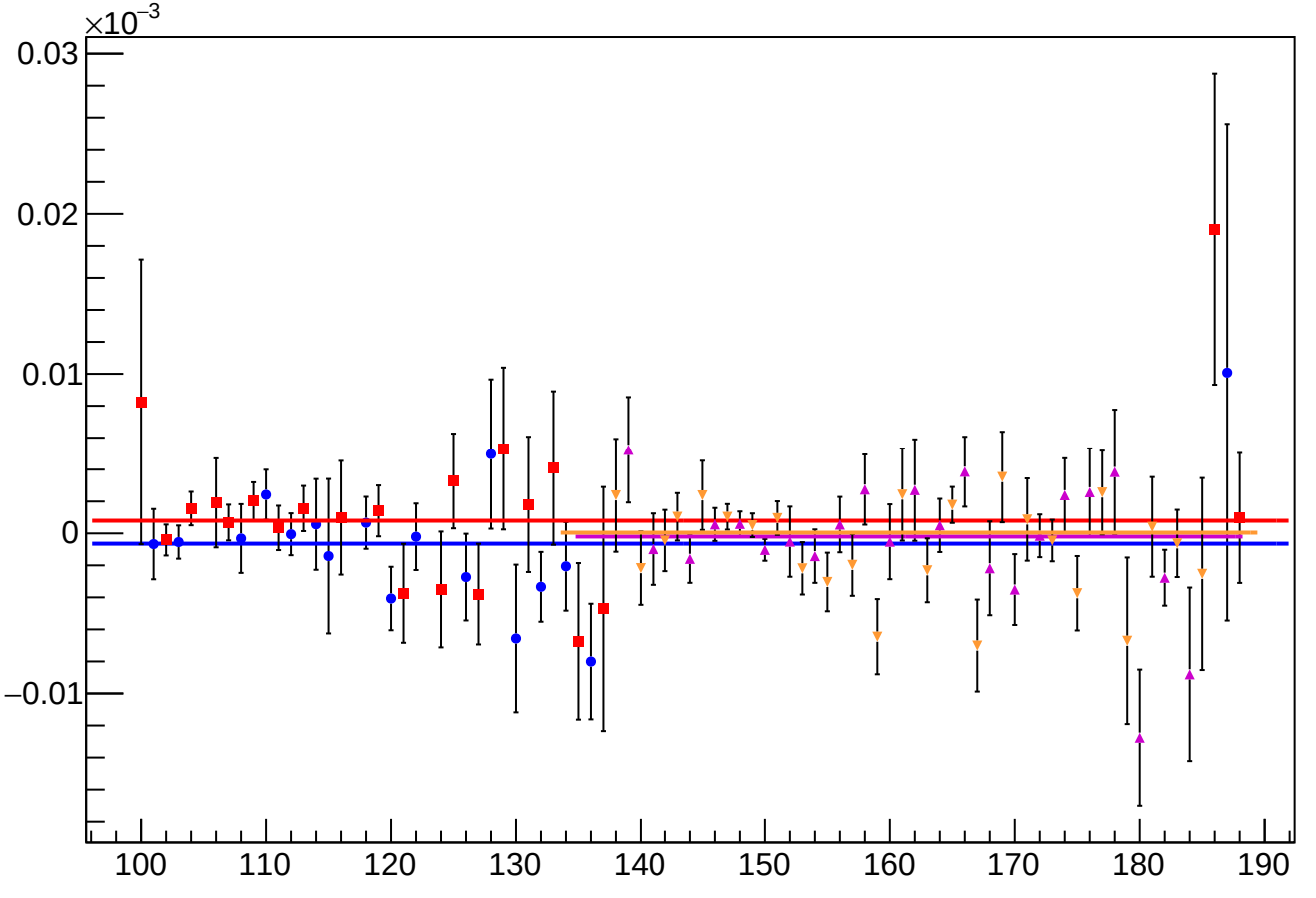
Left: 27.581+/-0.003 χ^2/NDF: 6608881.9/47

Right: 23.950+/-0.005 χ^2/NDF: 3216873.8/37

In: 25.986+/-0.004 χ^2/NDF:4530593.7/39

Out: 26.516+/-0.004 χ^2/NDF:5687491.3/45

All: 26.259+/-0.003 χ^2/NDF: 10227321.3/85



Right In: -0.000+/-0.000 χ^2/NDF: 18.0/16

Left Out: 0.000+/-0.000 χ^2/NDF:37.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 18.7/20

Left In: -0.000+/-0.000 χ^2/NDF:33.3/22

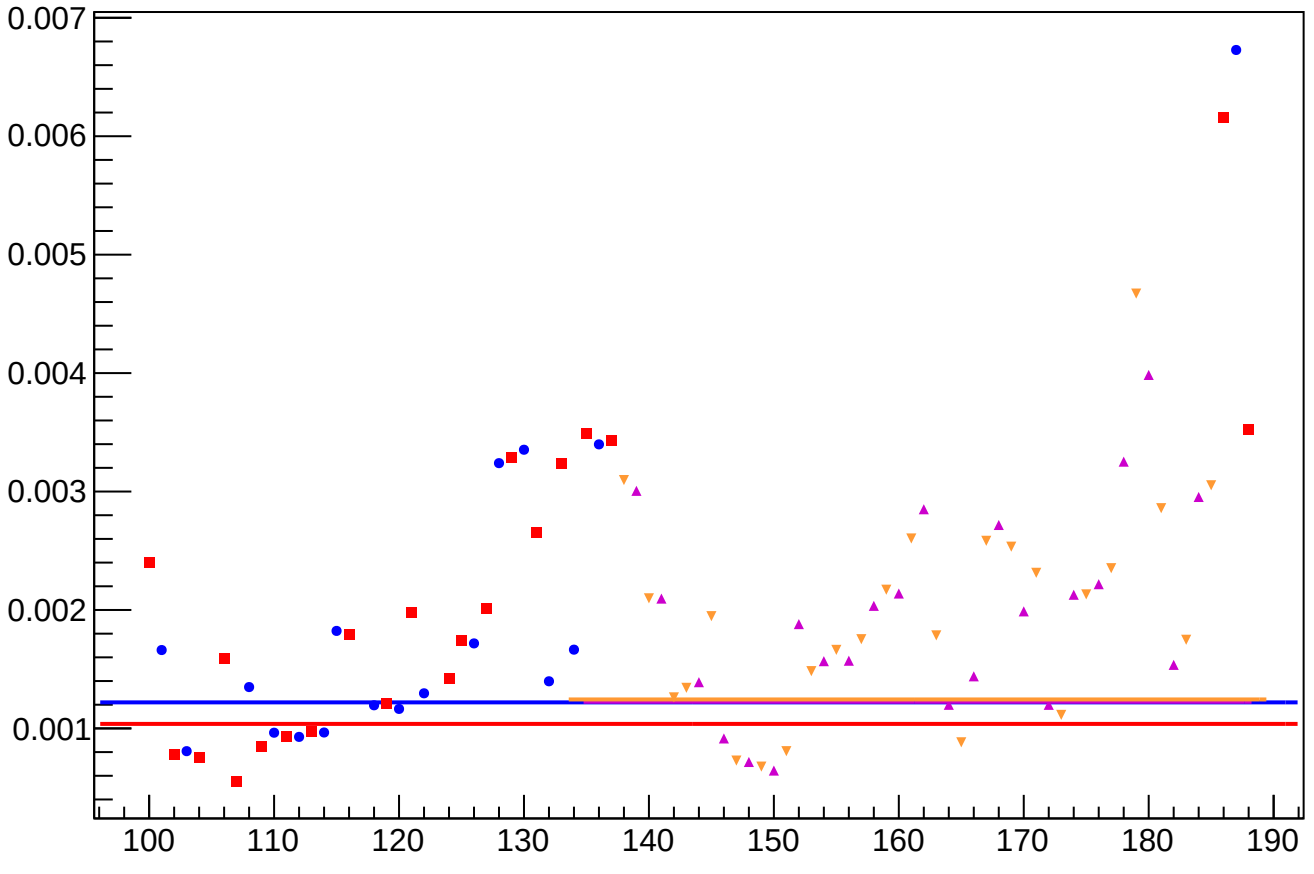
Left: -0.000+/-0.000 χ^2/NDF: 70.5/47

Right: 0.000+/-0.000 χ^2/NDF: 41.7/37

In: -0.000+/-0.000 χ^2/NDF:51.9/39

Out: 0.000+/-0.000 χ^2/NDF:57.7/45

All: 0.000+/-0.000 χ^2/NDF: 112.7/85



Right In: 0.001+/-0.000 χ^2/NDF: 2519628.9/16

Left Out: 0.001+/-0.000 χ^2/NDF:8341059.1/24

Right Out: 0.001+/-0.000 χ^2/NDF: 4591552.2/20

Left In: 0.001+/-0.000 χ^2/NDF:7822849.8/22

Left: 0.001+/-0.000 χ^2/NDF: 16167353.6/47

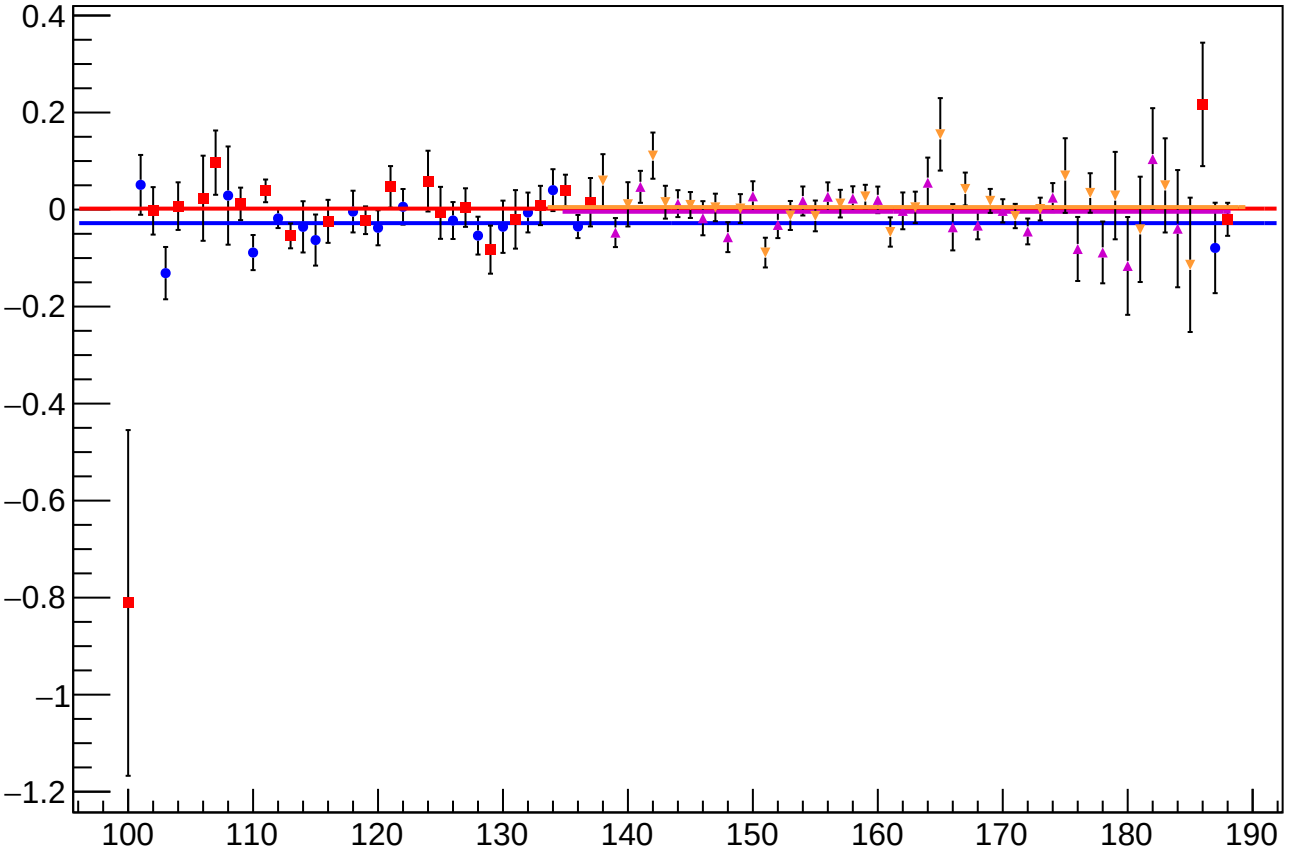
Right: 0.001+/-0.000 χ^2/NDF: 7267482.7/37

In: 0.001+/-0.000 χ^2/NDF:10342644.3/39

Out: 0.001+/-0.000 χ^2/NDF:13238180.4/45

All: 0.001+/-0.000 χ^2/NDF: 23626884.6/85

asym_sam_15_48_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.028+/-0.009 χ^2/NDF: 14.0/16

Left Out: 0.005+/-0.007 χ^2/NDF:28.4/24

Right Out: 0.002+/-0.009 χ^2/NDF: 25.4/20

Left In: -0.005+/-0.007 χ^2/NDF:25.1/22

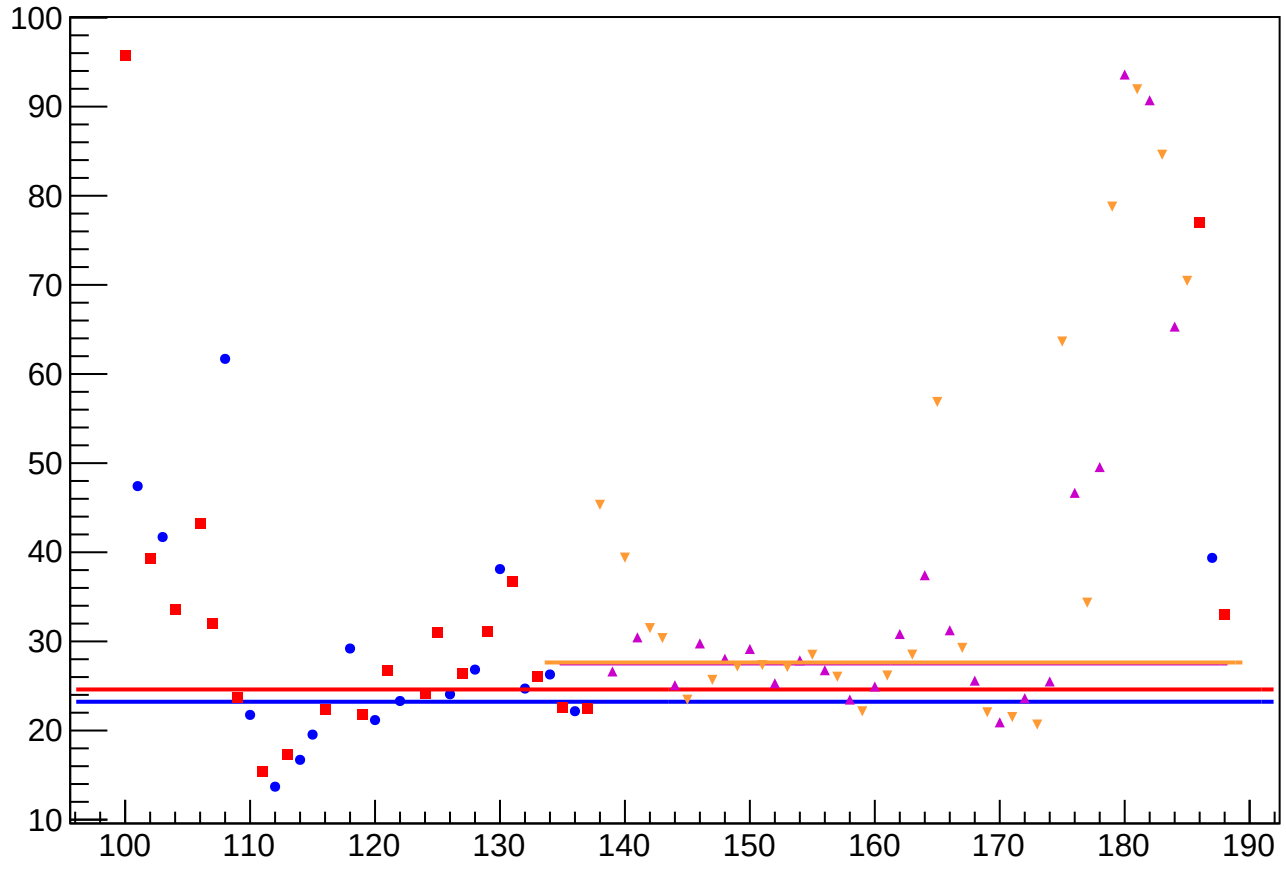
Left: 0.000+/-0.005 χ^2/NDF: 54.5/47

Right: -0.012+/-0.006 χ^2/NDF: 44.7/37

In: -0.013+/-0.006 χ^2/NDF:43.1/39

Out: 0.004+/-0.005 χ^2/NDF:53.9/45

All: -0.004+/-0.004 χ^2/NDF: 101.7/85



Right In: 23.229+/-0.007 χ^2/NDF: 1625053.2/16

Left Out: 27.635+/-0.005 χ^2/NDF:3974025.3/24

Right Out: 24.609+/-0.006 χ^2/NDF: 1569163.4/20

Left In: 27.524+/-0.005 χ^2/NDF:2634508.8/22

Left: 27.581+/-0.003 χ^2/NDF: 6608790.9/47

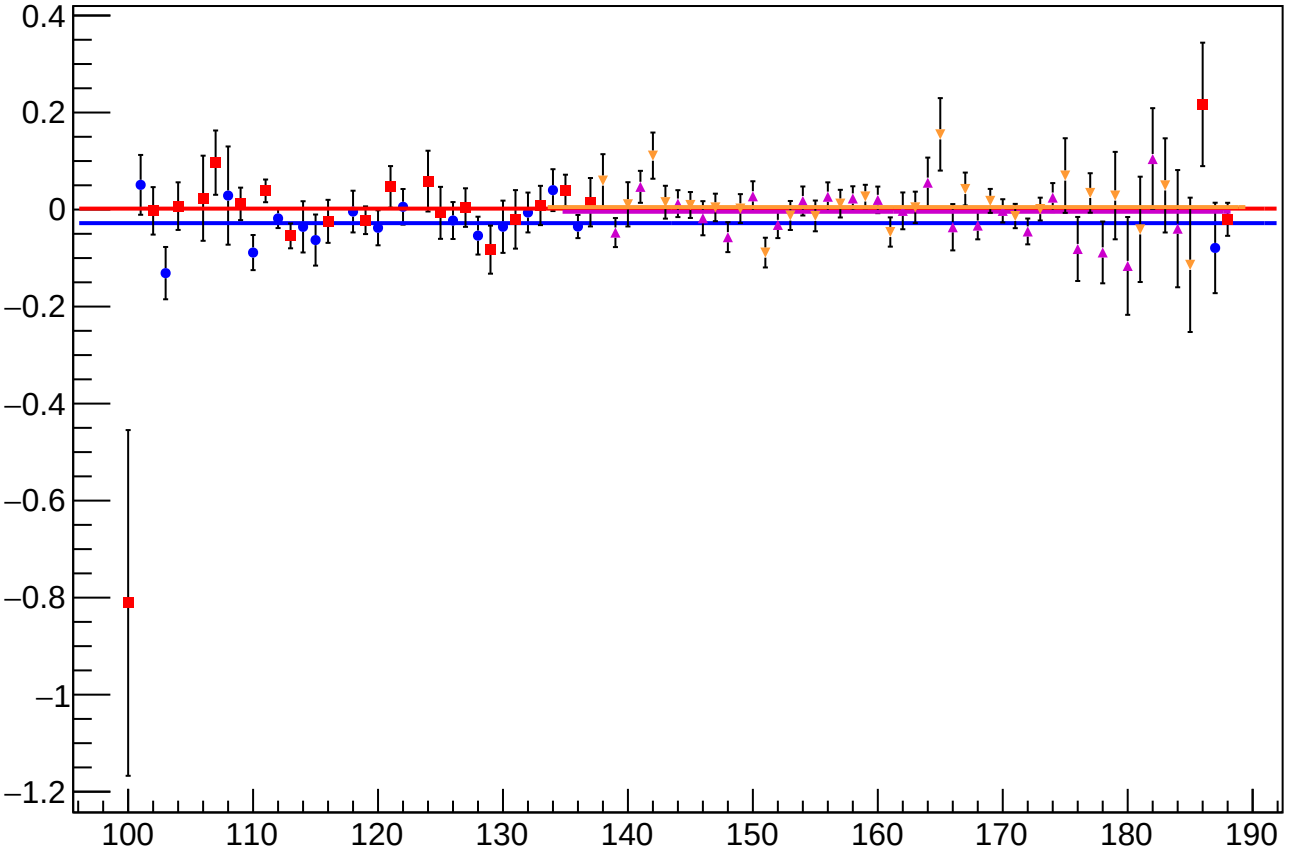
Right: 23.950+/-0.005 χ^2/NDF: 3216970.7/37

In: 25.986+/-0.004 χ^2/NDF:4530633.5/39

Out: 26.516+/-0.004 χ^2/NDF:5687561.6/45

All: 26.259+/-0.003 χ^2/NDF: 10227433.9/85

asym_sam_15_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.028+/-0.009 χ^2/NDF: 14.0/16

Left Out: 0.005+/-0.007 χ^2/NDF:28.4/24

Right Out: 0.002+/-0.009 χ^2/NDF: 25.4/20

Left In: -0.005+/-0.007 χ^2/NDF:25.1/22

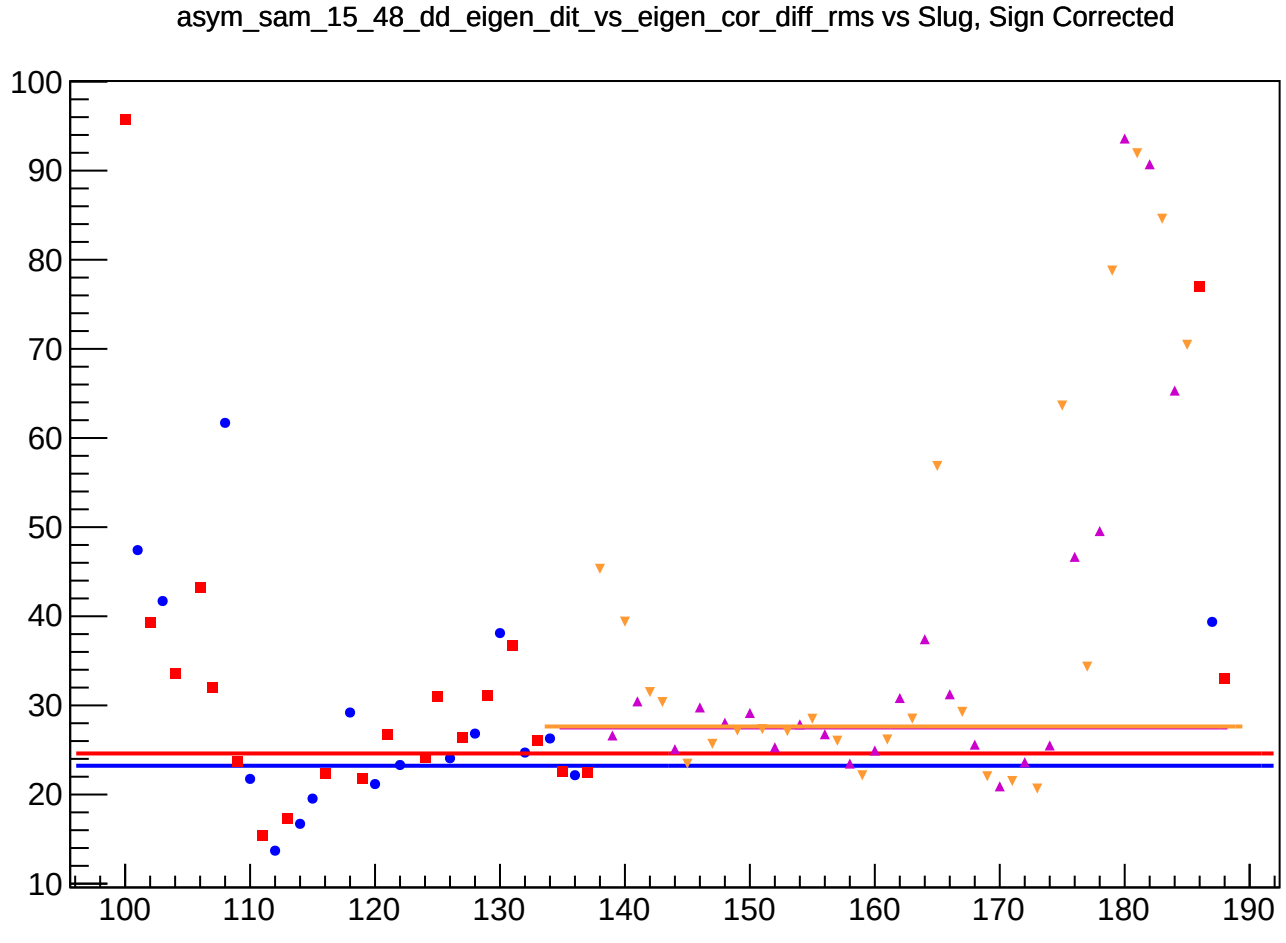
Left: 0.000+/-0.005 χ^2/NDF: 54.5/47

Right: -0.012+/-0.006 χ^2/NDF: 44.7/37

In: -0.013+/-0.006 χ^2/NDF:43.1/39

Out: 0.004+/-0.005 χ^2/NDF:53.9/45

All: -0.004+/-0.004 χ^2/NDF: 101.7/85



Right In: 23.229+/-0.007 χ^2/NDF: 1625053.2/16

Left Out: 27.635+/-0.005 χ^2/NDF:3974025.3/24

Right Out: 24.609+/-0.006 χ^2/NDF: 1569163.4/20

Left In: 27.524+/-0.005 χ^2/NDF:2634508.8/22

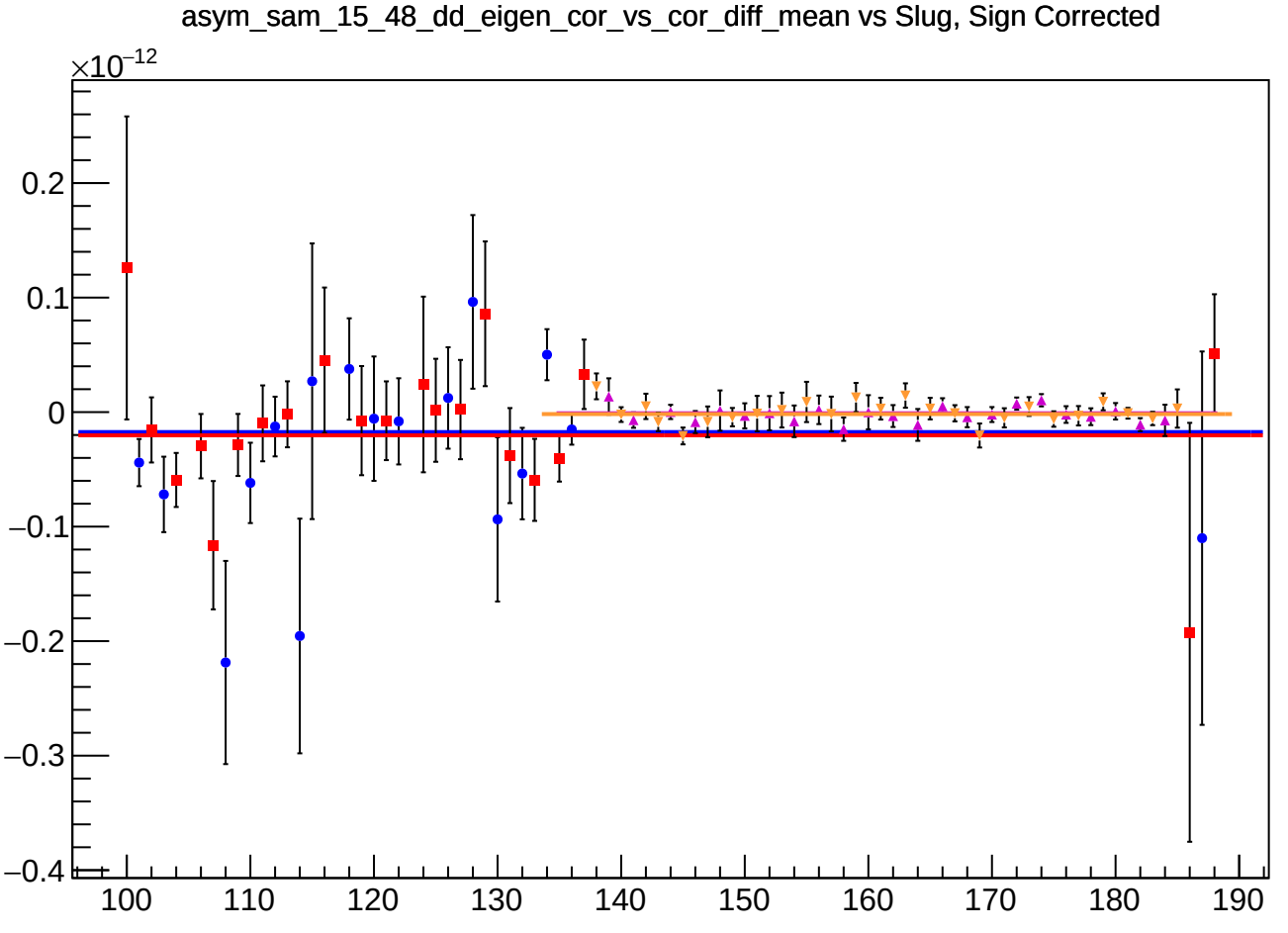
Left: 27.581+/-0.003 χ^2/NDF: 6608790.9/47

Right: 23.950+/-0.005 χ^2/NDF: 3216970.7/37

In: 25.986+/-0.004 χ^2/NDF:4530633.5/39

Out: 26.516+/-0.004 χ^2/NDF:5687561.6/45

All: 26.259+/-0.003 χ^2/NDF: 10227433.9/85



Right In: -0.000+/-0.000 χ^2/NDF: 30.2/16

Left Out: -0.000+/-0.000 χ^2/NDF:24.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 20.8/20

Left In: -0.000+/-0.000 χ^2/NDF:16.5/22

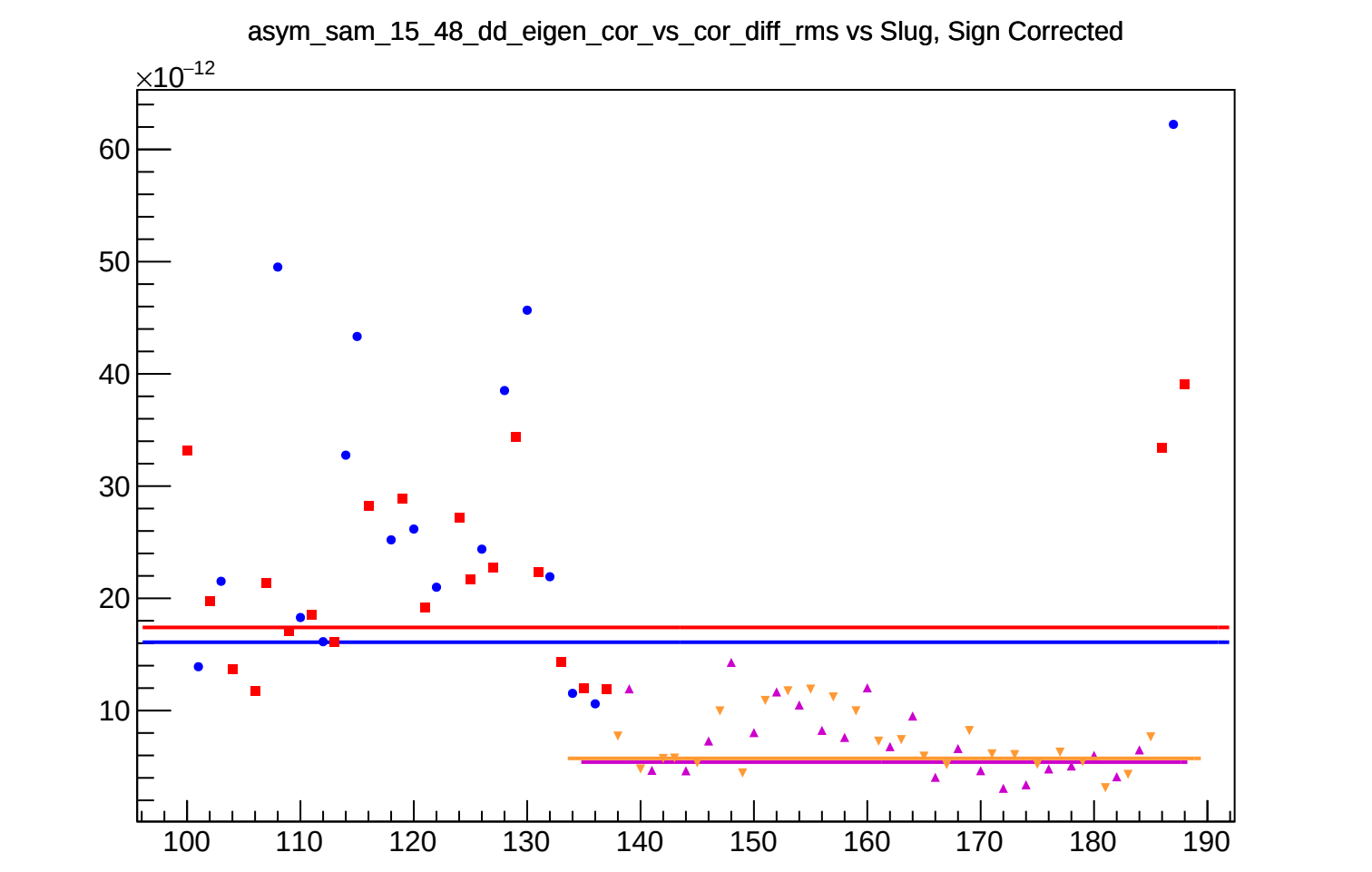
Left: -0.000+/-0.000 χ^2/NDF: 41.0/47

Right: -0.000+/-0.000 χ^2/NDF: 51.1/37

In: -0.000+/-0.000 χ^2/NDF:51.0/39

Out: -0.000+/-0.000 χ^2/NDF:50.7/45

All: -0.000+/-0.000 χ^2/NDF: 101.7/85



Right In: 0.000+/-0.000 χ^2/NDF: 1925184.0/16

Left Out: 0.000+/-0.000 χ^2/NDF:2645460.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 1211318.0/20

Left In: 0.000+/-0.000 χ^2/NDF:3476696.9/22

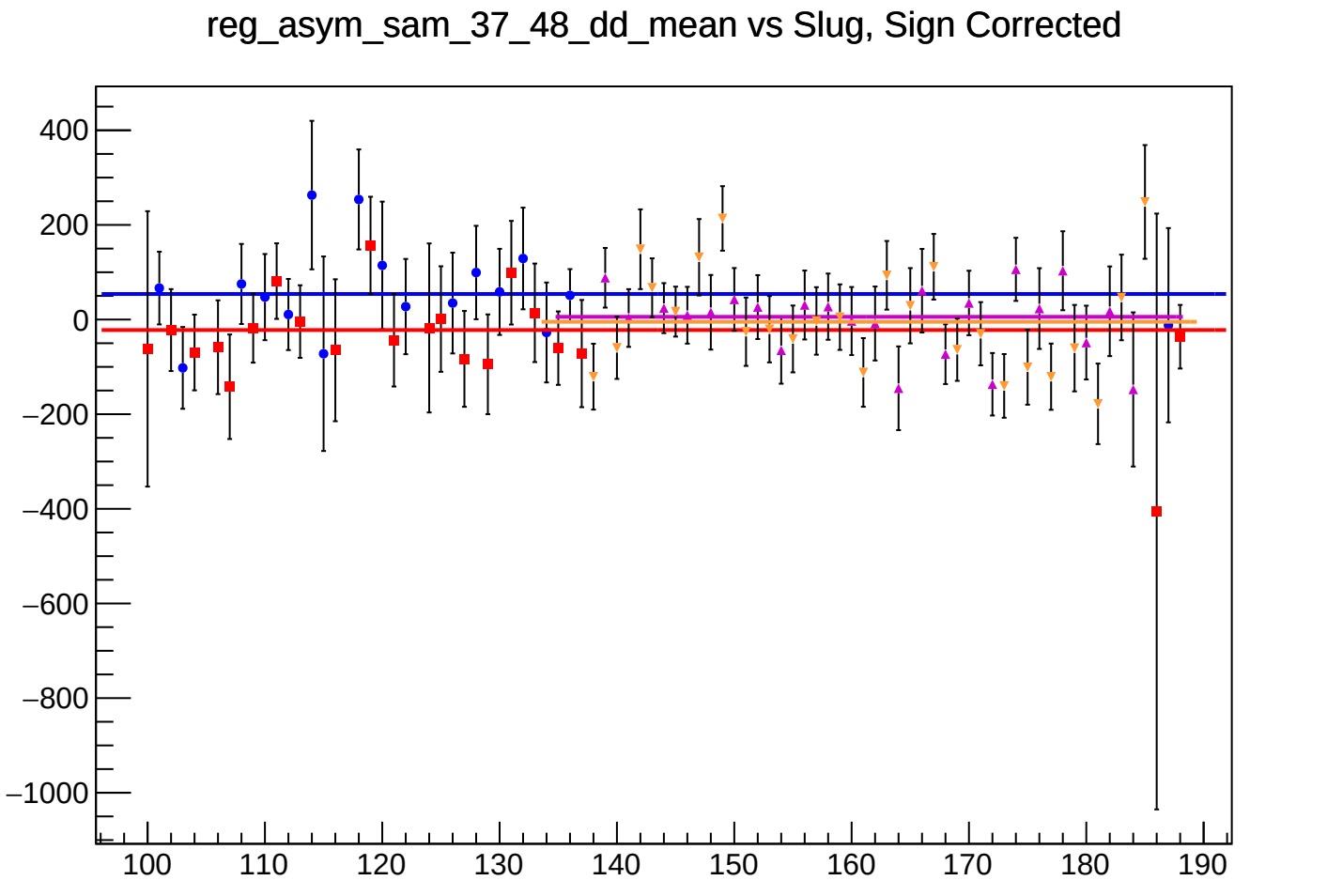
Left: 0.000+/-0.000 χ^2/NDF: 6159899.5/47

Right: 0.000+/-0.000 χ^2/NDF: 3165207.5/37

In: 0.000+/-0.000 χ^2/NDF:9020468.8/39

Out: 0.000+/-0.000 χ^2/NDF:8131008.3/45

All: 0.000+/-0.000 χ^2/NDF: 17201589.6/85



Right In: 54.042+/-23.032 χ^2/NDF: 11.1/16

Left Out: -4.742+/-14.432 χ^2/NDF:47.4/24

Right Out: -22.110+/-21.384 χ^2/NDF: 9.7/20

Left In: 5.776+/-14.931 χ^2/NDF:18.3/22

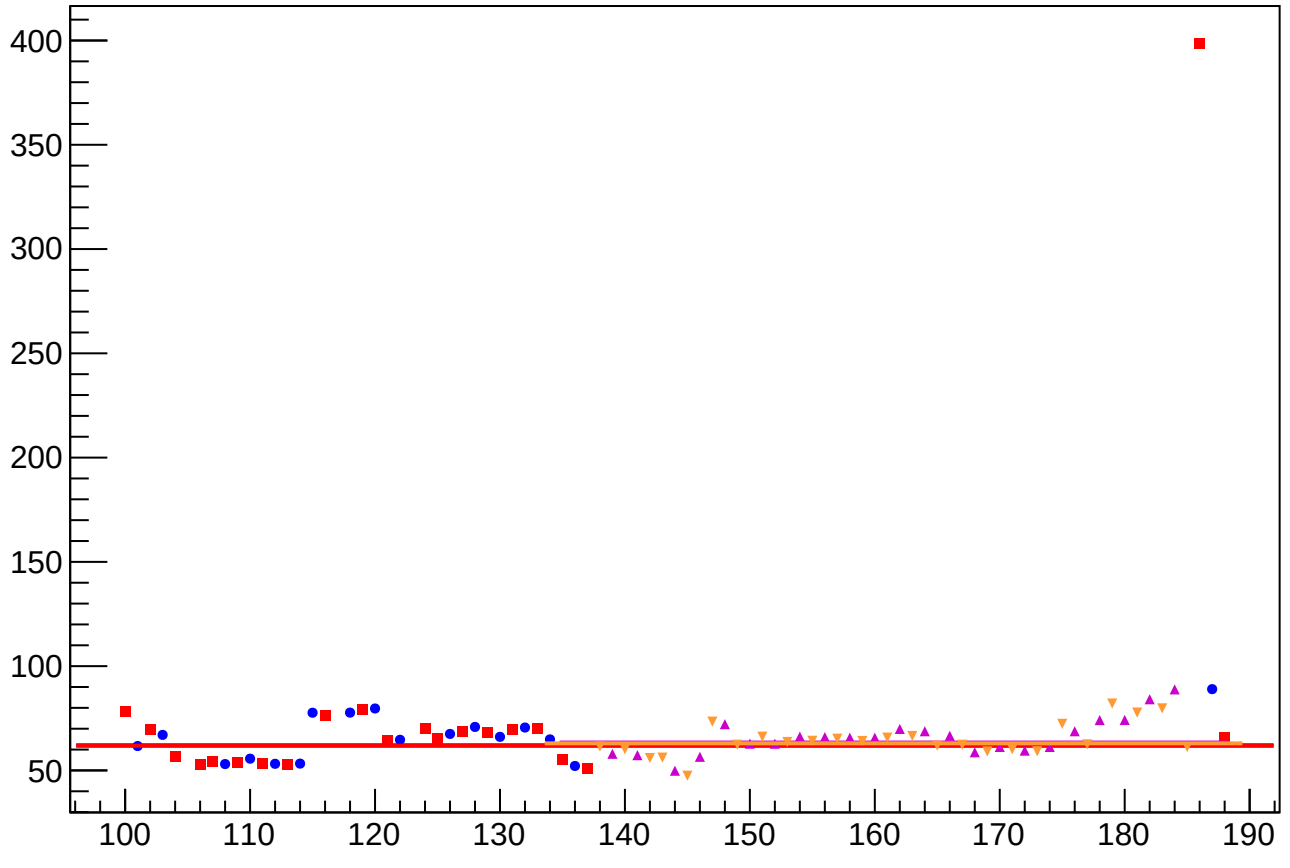
Left: 0.338+/-10.377 χ^2/NDF: 65.9/47

Right: 13.143+/-15.671 χ^2/NDF: 26.7/37

In: 20.058+/-12.529 χ^2/NDF:32.5/39

Out: -10.177+/-11.962 χ^2/NDF:57.5/45

All: 4.241+/-8.652 χ^2/NDF: 93.0/85



Right In: 62.017+/-0.016 χ^2/NDF: 302049.1/16

Left Out: 62.976+/-0.010 χ^2/NDF:526859.8/24

Right Out: 61.846+/-0.015 χ^2/NDF: 866080.4/20

Left In: 63.365+/-0.011 χ^2/NDF:496926.2/22

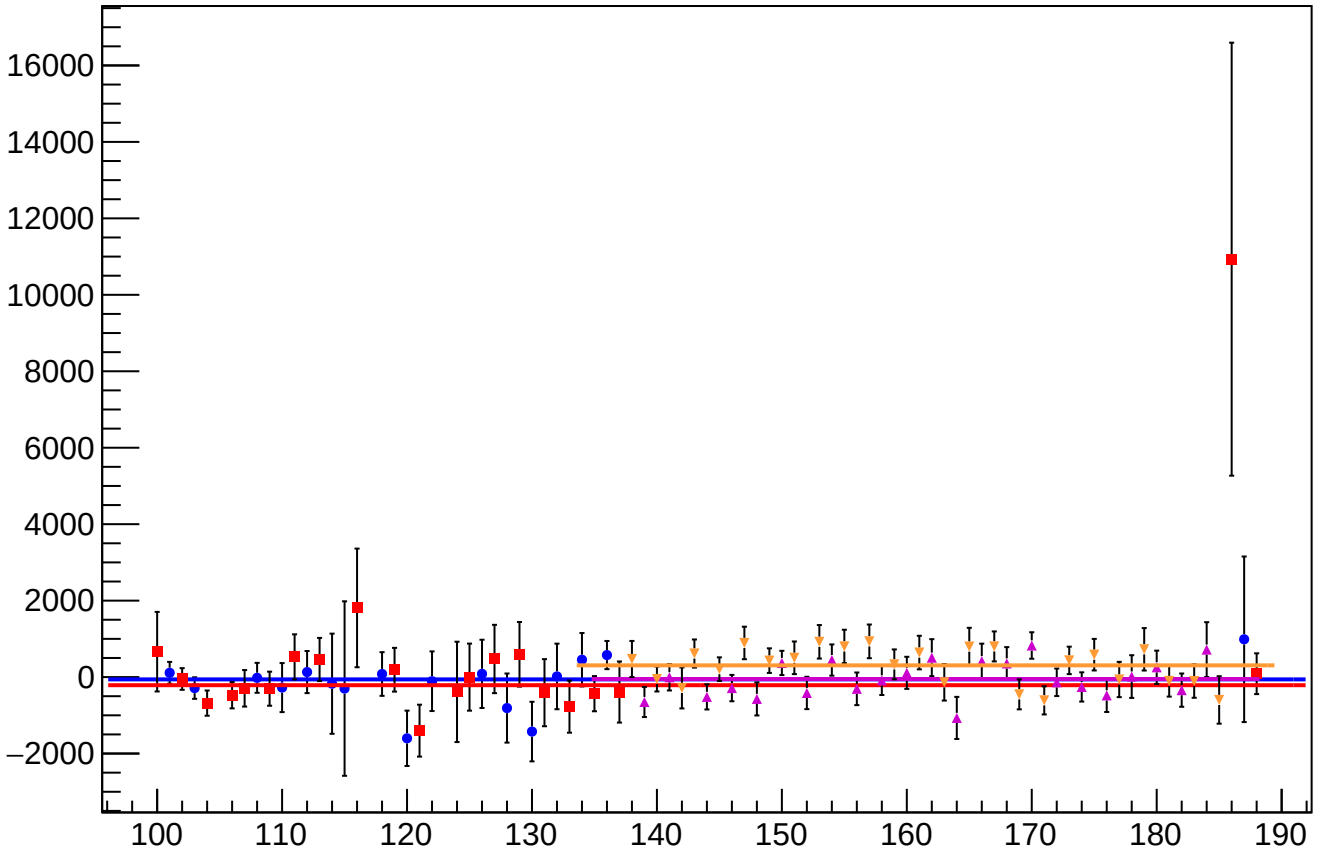
Left: 63.164+/-0.007 χ^2/NDF: 1024488.5/47

Right: 61.925+/-0.011 χ^2/NDF: 1168188.4/37

In: 62.966+/-0.009 χ^2/NDF:803803.9/39

Out: 62.623+/-0.008 χ^2/NDF:1396778.0/45

All: 62.786+/-0.006 χ^2/NDF: 2201369.6/85



Right In: -60.073+/-129.442 χ^2/NDF: 13.4/16

Left Out: 307.183+/-82.361 χ^2/NDF:30.6/24

Right Out: -212.065+/-119.636 χ^2/NDF: 18.7/20

Left In: -50.030+/-84.838 χ^2/NDF:27.3/22

Left: 133.867+/-59.094 χ^2/NDF: 67.0/47

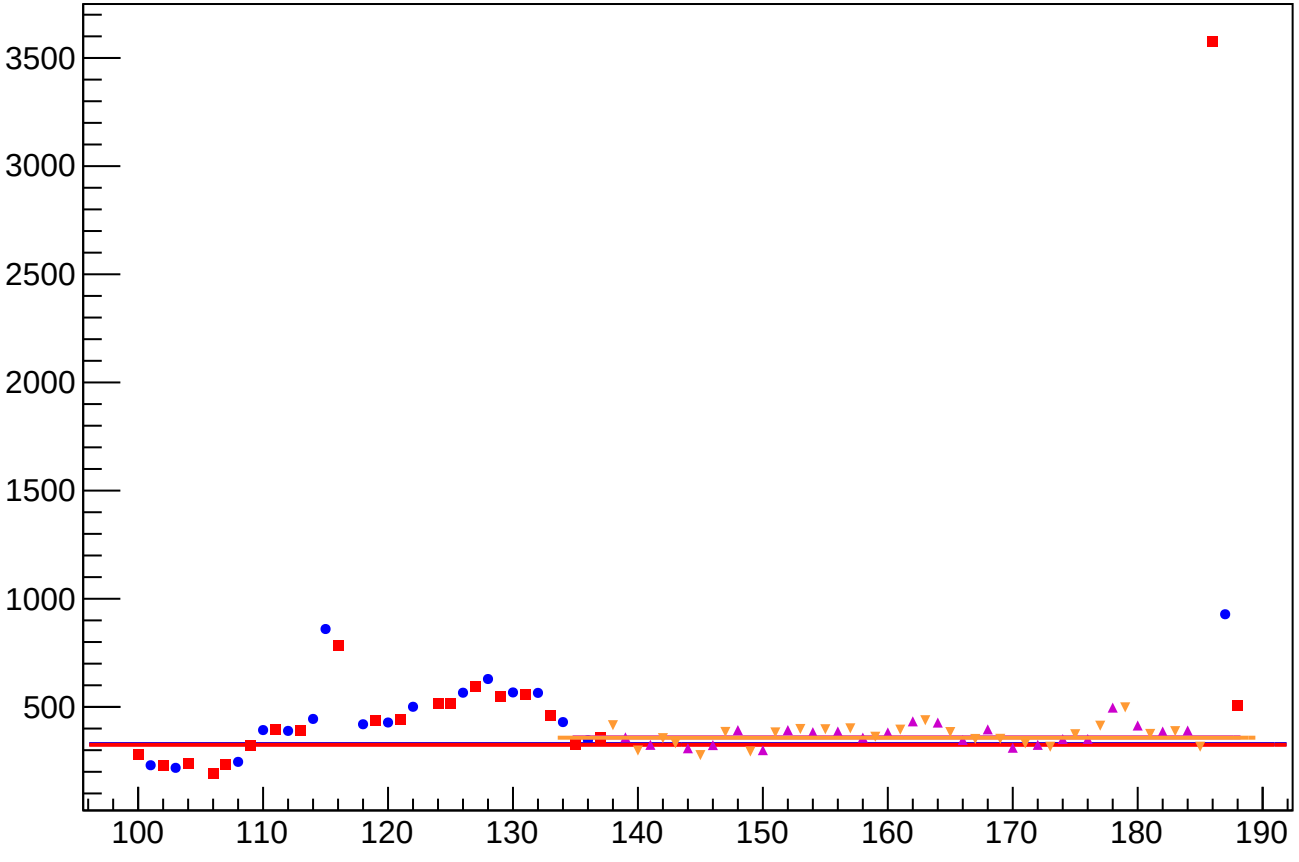
Right: -142.044+/-87.858 χ^2/NDF: 32.9/37

In: -53.048+/-70.956 χ^2/NDF:40.7/39

Out: 140.221+/-67.840 χ^2/NDF:62.2/45

All: 47.924+/-49.035 χ^2/NDF: 106.7/85

asym_sam_37_48_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 328.299+/-0.092 χ^2/NDF: 1888134.3/16

Left Out: 357.731+/-0.058 χ^2/NDF:683730.4/24

Right Out: 324.939+/-0.085 χ^2/NDF: 2700702.0/20

Left In: 359.350+/-0.060 χ^2/NDF:519759.9/22

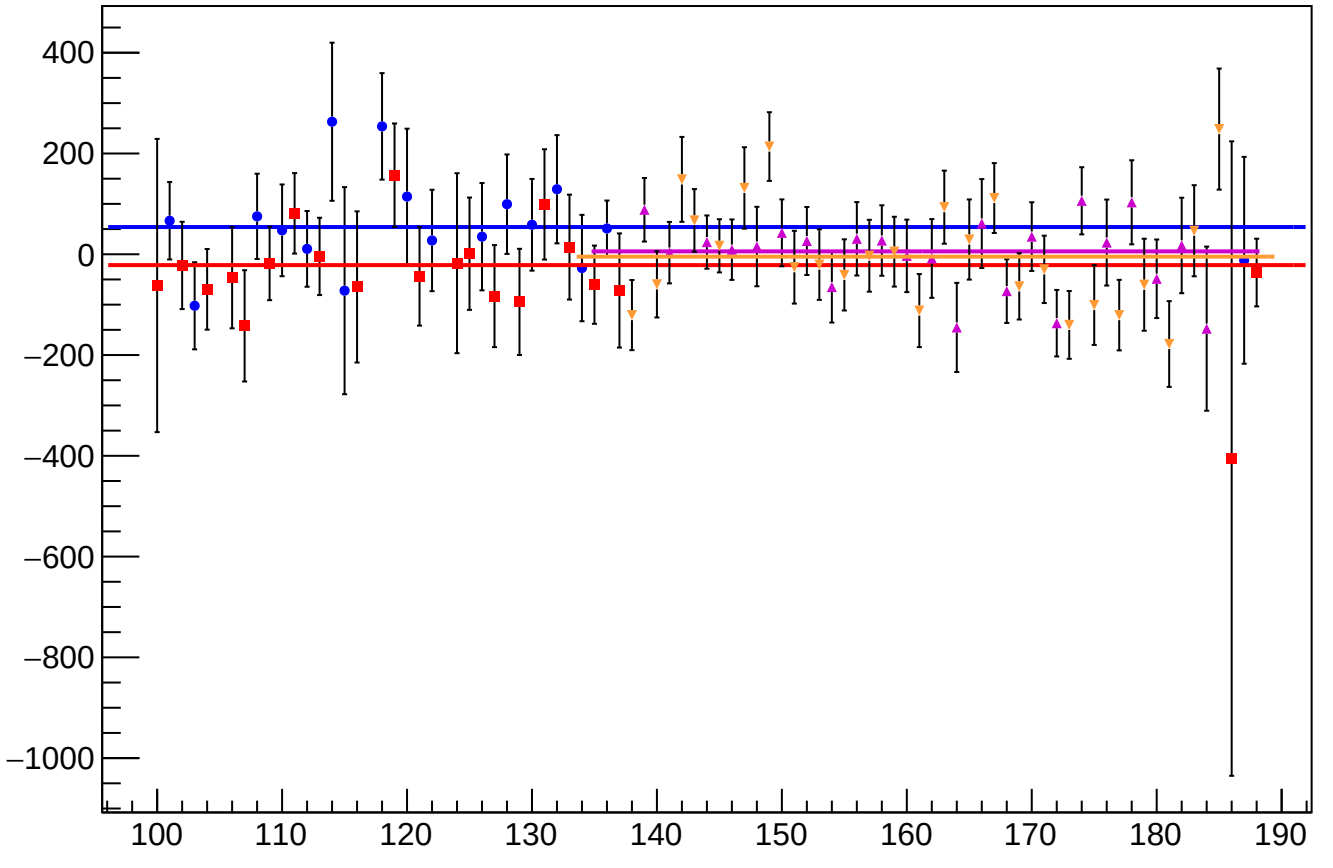
Left: 358.517+/-0.042 χ^2/NDF: 1203865.1/47

Right: 326.487+/-0.062 χ^2/NDF: 4589563.1/37

In: 350.020+/-0.050 χ^2/NDF:2488398.0/39

Out: 347.187+/-0.048 χ^2/NDF:3486378.8/45

All: 348.540+/-0.035 χ^2/NDF: 5976441.9/85



Right In: 54.036+/-23.032 χ^2/NDF: 11.1/16

Left Out: -4.748+/-14.432 χ^2/NDF:47.4/24

Right Out: -21.514+/-21.398 χ^2/NDF: 9.6/20

Left In: 5.775+/-14.931 χ^2/NDF:18.3/22

Left: 0.335+/-10.377 χ^2/NDF: 65.9/47

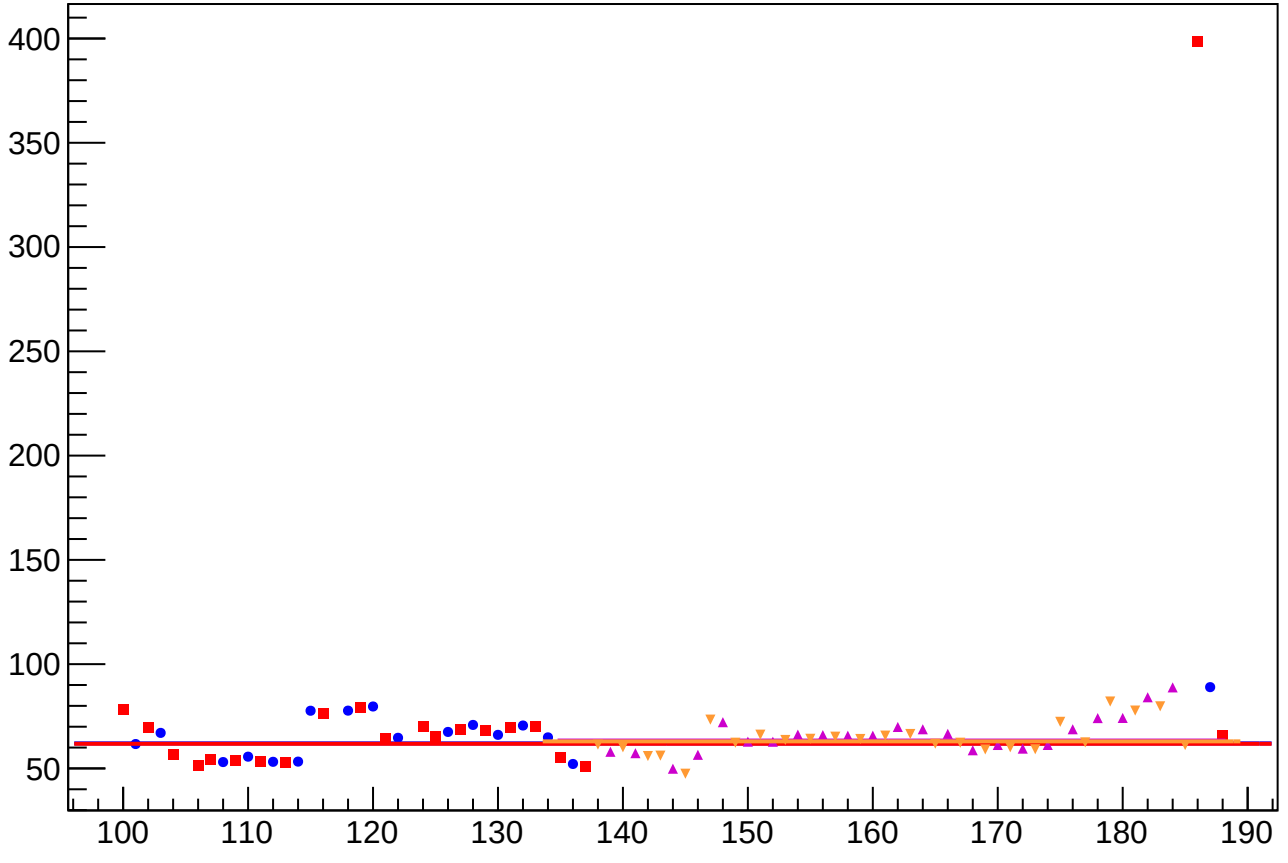
Right: 13.485+/-15.677 χ^2/NDF: 26.5/37

In: 20.055+/-12.529 χ^2/NDF:32.5/39

Out: -9.989+/-11.965 χ^2/NDF:57.4/45

All: 4.341+/-8.653 χ^2/NDF: 92.9/85

cor_asym_sam_37_48_dd_rms vs Slug, Sign Corrected



Right In: 62.017+/-0.016 χ^2/NDF: 302049.2/16

Left Out: 62.976+/-0.010 χ^2/NDF:526859.8/24

Right Out: 61.811+/-0.015 χ^2/NDF: 869754.8/20

Left In: 63.365+/-0.011 χ^2/NDF:496926.2/22

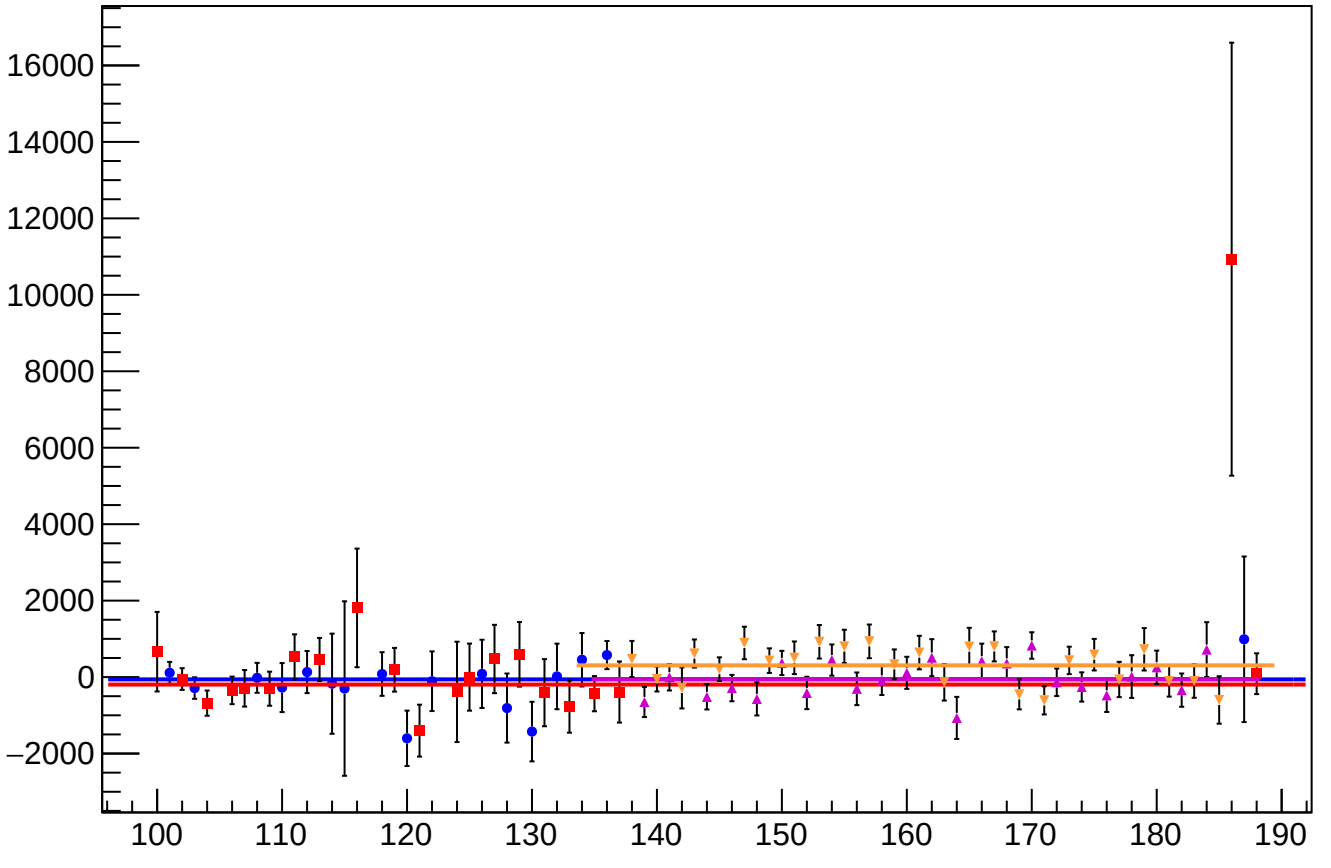
Left: 63.164+/-0.007 χ^2/NDF: 1024488.6/47

Right: 61.906+/-0.011 χ^2/NDF: 1171890.0/37

In: 62.966+/-0.009 χ^2/NDF:803804.1/39

Out: 62.612+/-0.008 χ^2/NDF:1400693.6/45

All: 62.781+/-0.006 χ^2/NDF: 2205335.4/85



Right In: -60.059+/-129.443 χ^2/NDF: 13.4/16

Left Out: 307.177+/-82.361 χ^2/NDF:30.6/24

Right Out: -195.427+/-120.284 χ^2/NDF: 18.3/20

Left In: -50.029+/-84.838 χ^2/NDF:27.3/22

Left: 133.864+/-59.094 χ^2/NDF: 67.0/47

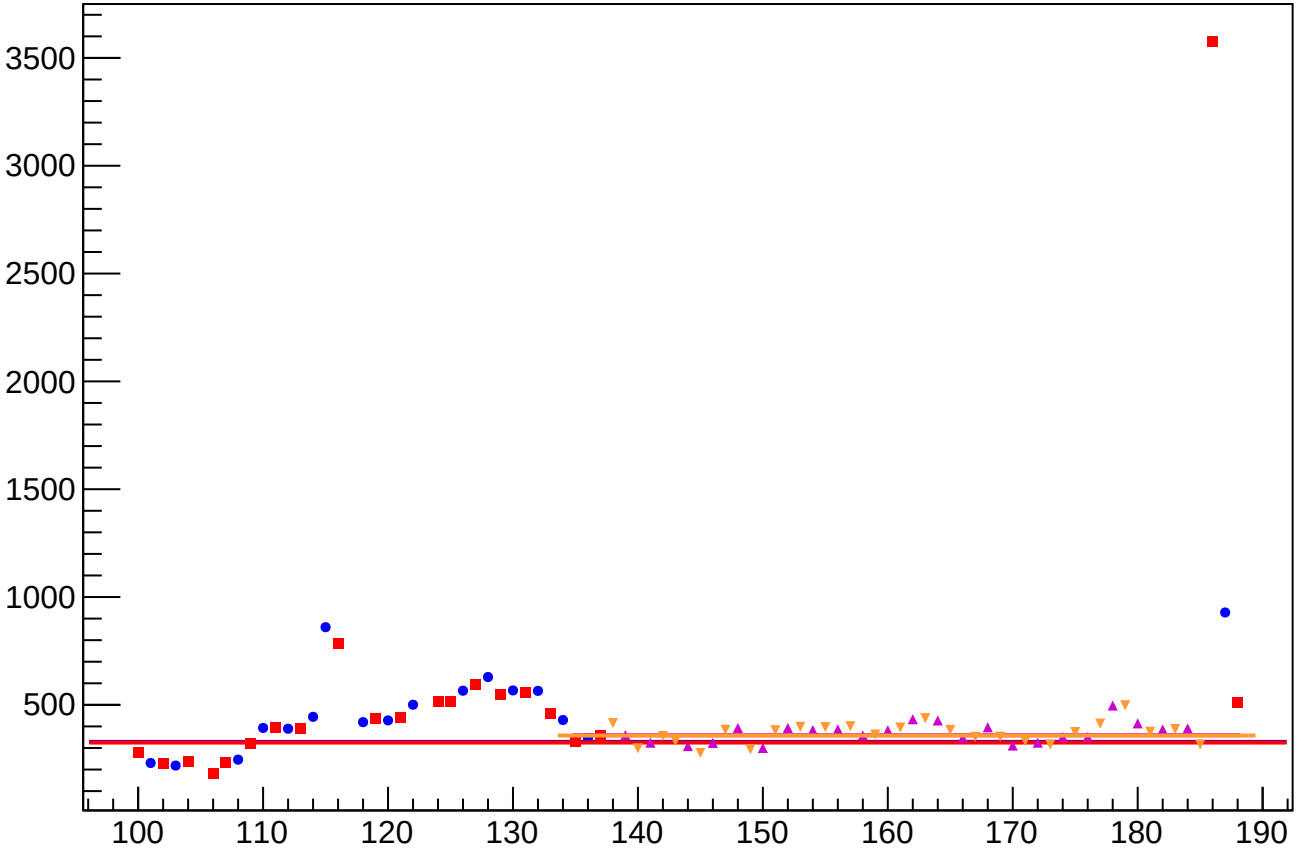
Right: -132.701+/-88.114 χ^2/NDF: 32.3/37

In: -53.043+/-70.956 χ^2/NDF:40.7/39

Out: 146.748+/-67.957 χ^2/NDF:60.8/45

All: 51.164+/-49.079 χ^2/NDF: 105.6/85

asym_sam_37_48_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 328.302+/-0.092 χ^2/NDF: 1888071.8/16

Left Out: 357.732+/-0.058 χ^2/NDF:683726.4/24

Right Out: 325.240+/-0.085 χ^2/NDF: 2718377.0/20

Left In: 359.350+/-0.060 χ^2/NDF:519762.7/22

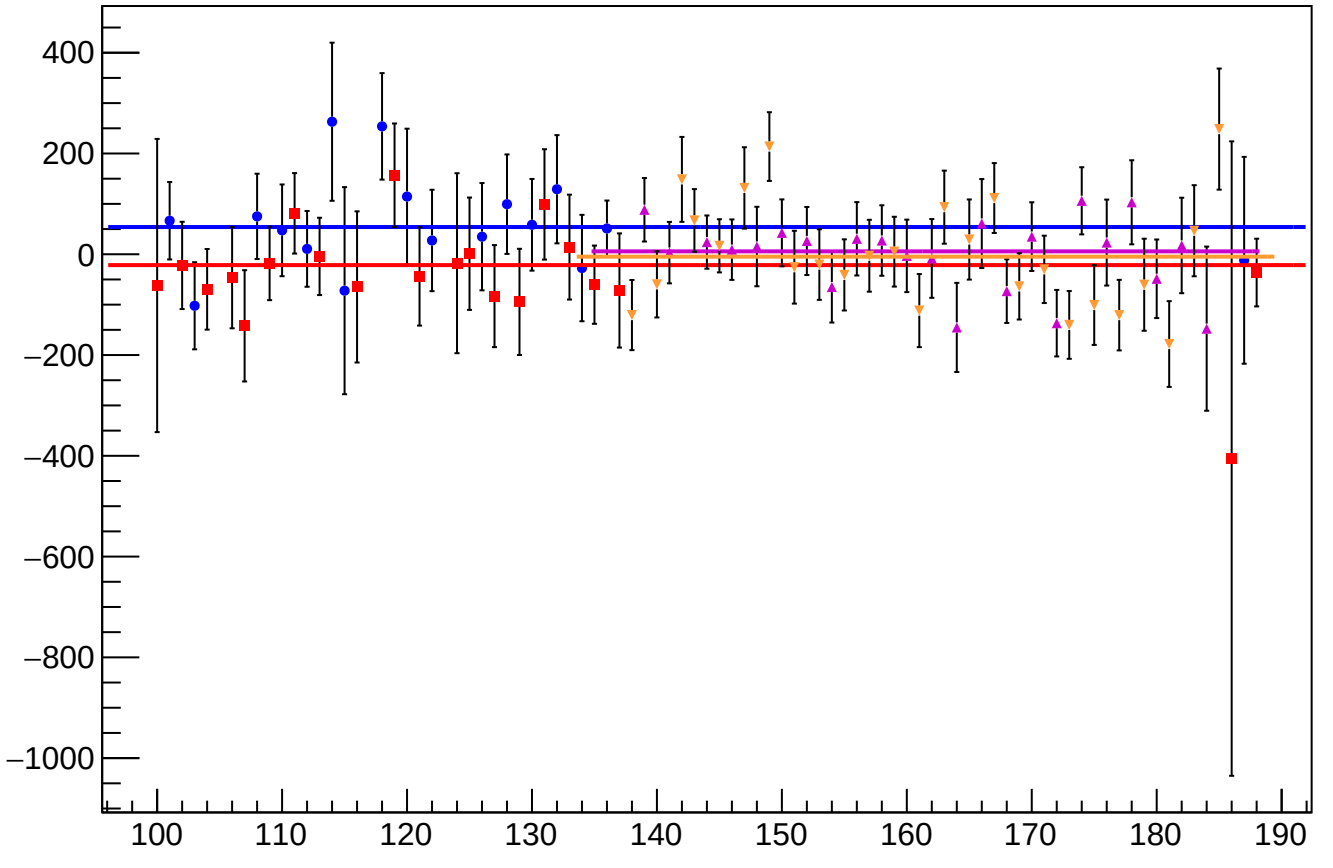
Left: 358.517+/-0.042 χ^2/NDF: 1203863.9/47

Right: 326.659+/-0.062 χ^2/NDF: 4607049.2/37

In: 350.021+/-0.050 χ^2/NDF:2488322.9/39

Out: 347.361+/-0.048 χ^2/NDF:3501453.7/45

All: 348.633+/-0.035 χ^2/NDF: 5991242.7/85



Right In: 54.036+/-23.032 χ^2/NDF: 11.1/16

Left Out: -4.748+/-14.432 χ^2/NDF:47.4/24

Right Out: -21.514+/-21.398 χ^2/NDF: 9.6/20

Left In: 5.775+/-14.931 χ^2/NDF:18.3/22

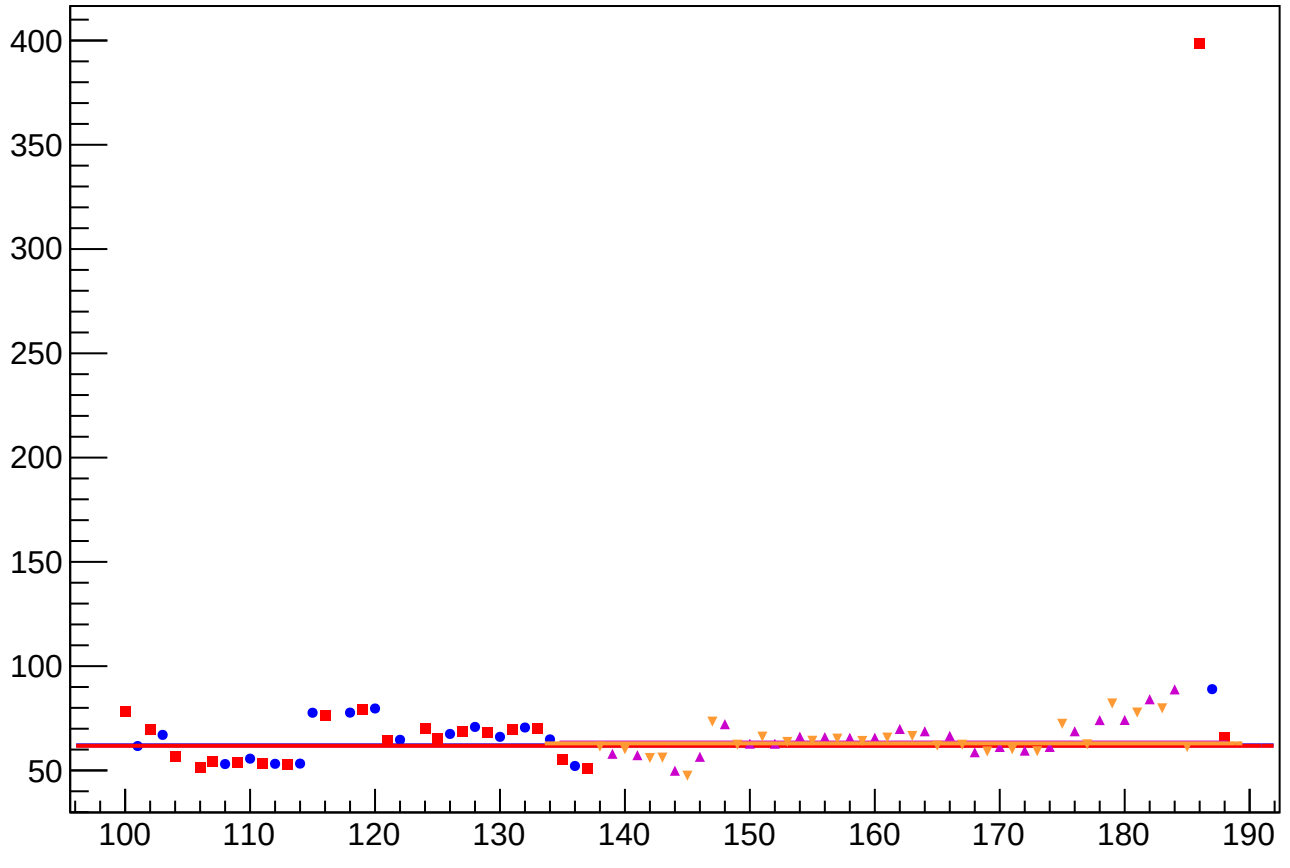
Left: 0.335+/-10.377 χ^2/NDF: 65.9/47

Right: 13.485+/-15.677 χ^2/NDF: 26.5/37

In: 20.055+/-12.529 χ^2/NDF:32.5/39

Out: -9.989+/-11.965 χ^2/NDF:57.4/45

All: 4.341+/-8.653 χ^2/NDF: 92.9/85



Right In: 62.017+/-0.016 χ^2/NDF: 302049.2/16

Left Out: 62.976+/-0.010 χ^2/NDF:526859.8/24

Right Out: 61.811+/-0.015 χ^2/NDF: 869754.8/20

Left In: 63.365+/-0.011 χ^2/NDF:496926.2/22

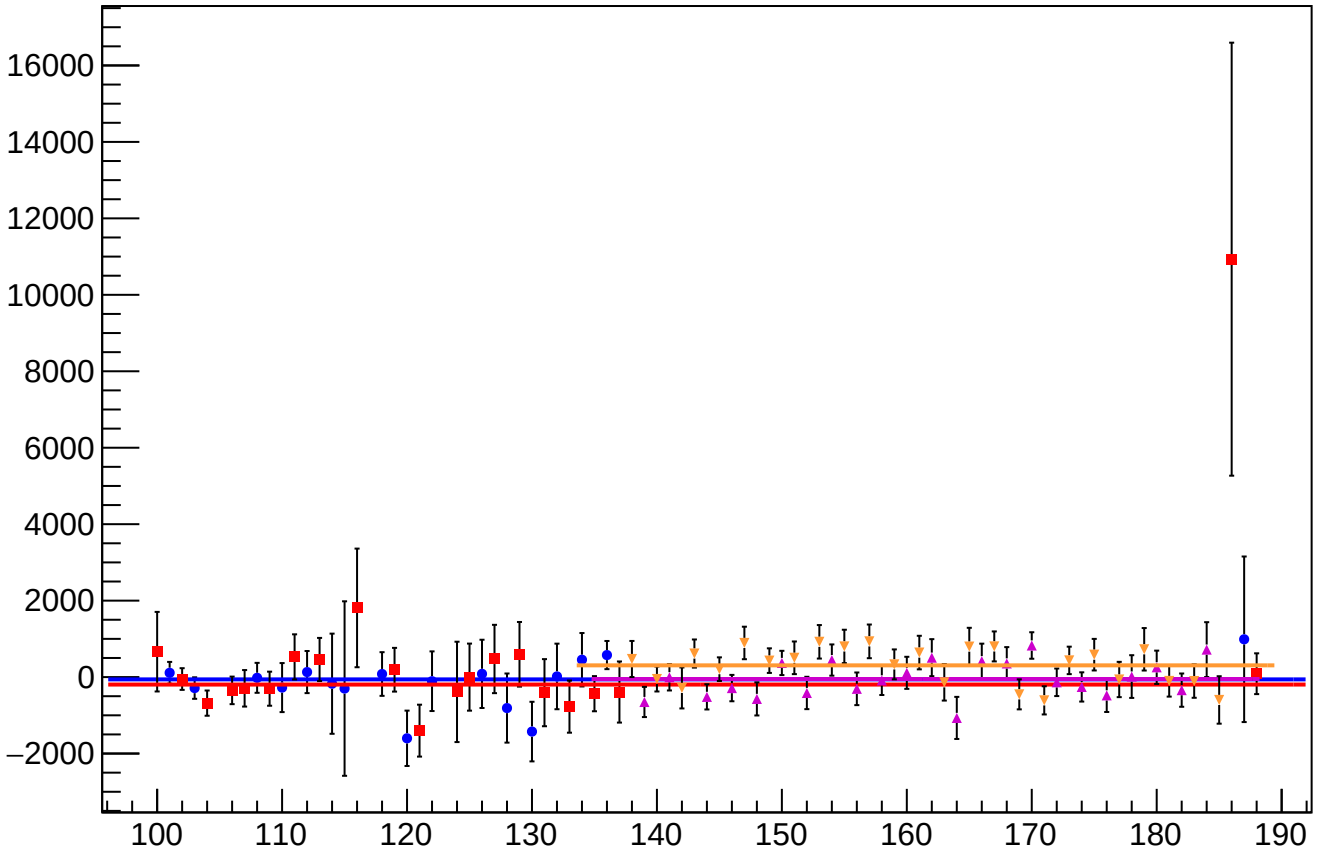
Left: 63.164+/-0.007 χ^2/NDF: 1024488.6/47

Right: 61.906+/-0.011 χ^2/NDF: 1171890.0/37

In: 62.966+/-0.009 χ^2/NDF:803804.1/39

Out: 62.612+/-0.008 χ^2/NDF:1400693.6/45

All: 62.781+/-0.006 χ^2/NDF: 2205335.4/85



Right In: -60.059+/-129.443 χ^2/NDF: 13.4/16

Left Out: 307.177+/-82.361 χ^2/NDF:30.6/24

Right Out: -195.427+/-120.284 χ^2/NDF: 18.3/20

Left In: -50.029+/-84.838 χ^2/NDF:27.3/22

Left: 133.864+/-59.094 χ^2/NDF: 67.0/47

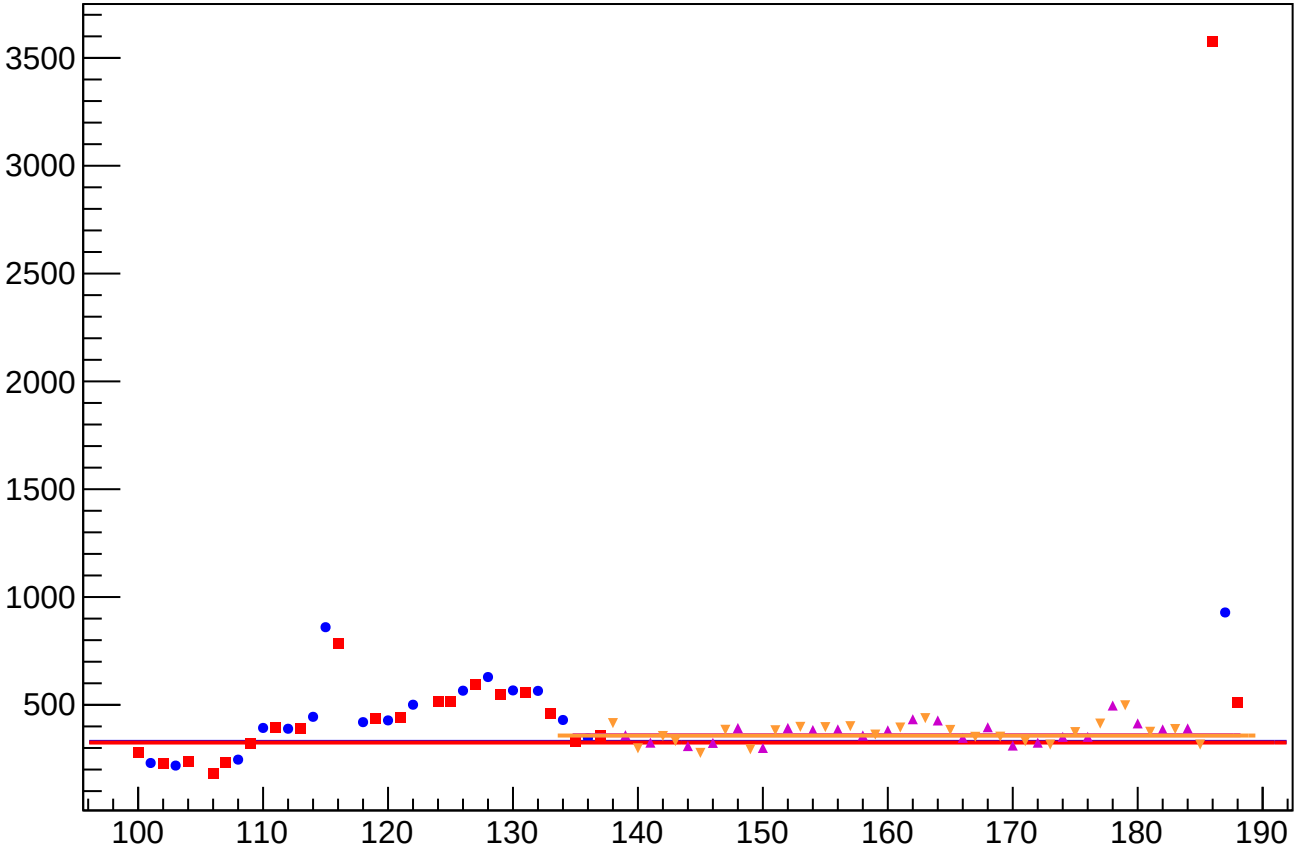
Right: -132.701+/-88.114 χ^2/NDF: 32.3/37

In: -53.043+/-70.956 χ^2/NDF:40.7/39

Out: 146.748+/-67.957 χ^2/NDF:60.8/45

All: 51.164+/-49.079 χ^2/NDF: 105.6/85

asym_sam_37_48_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 328.302+/-0.092 χ^2/NDF: 1888071.8/16

Left Out: 357.732+/-0.058 χ^2/NDF:683726.4/24

Right Out: 325.240+/-0.085 χ^2/NDF: 2718377.0/20

Left In: 359.350+/-0.060 χ^2/NDF:519762.7/22

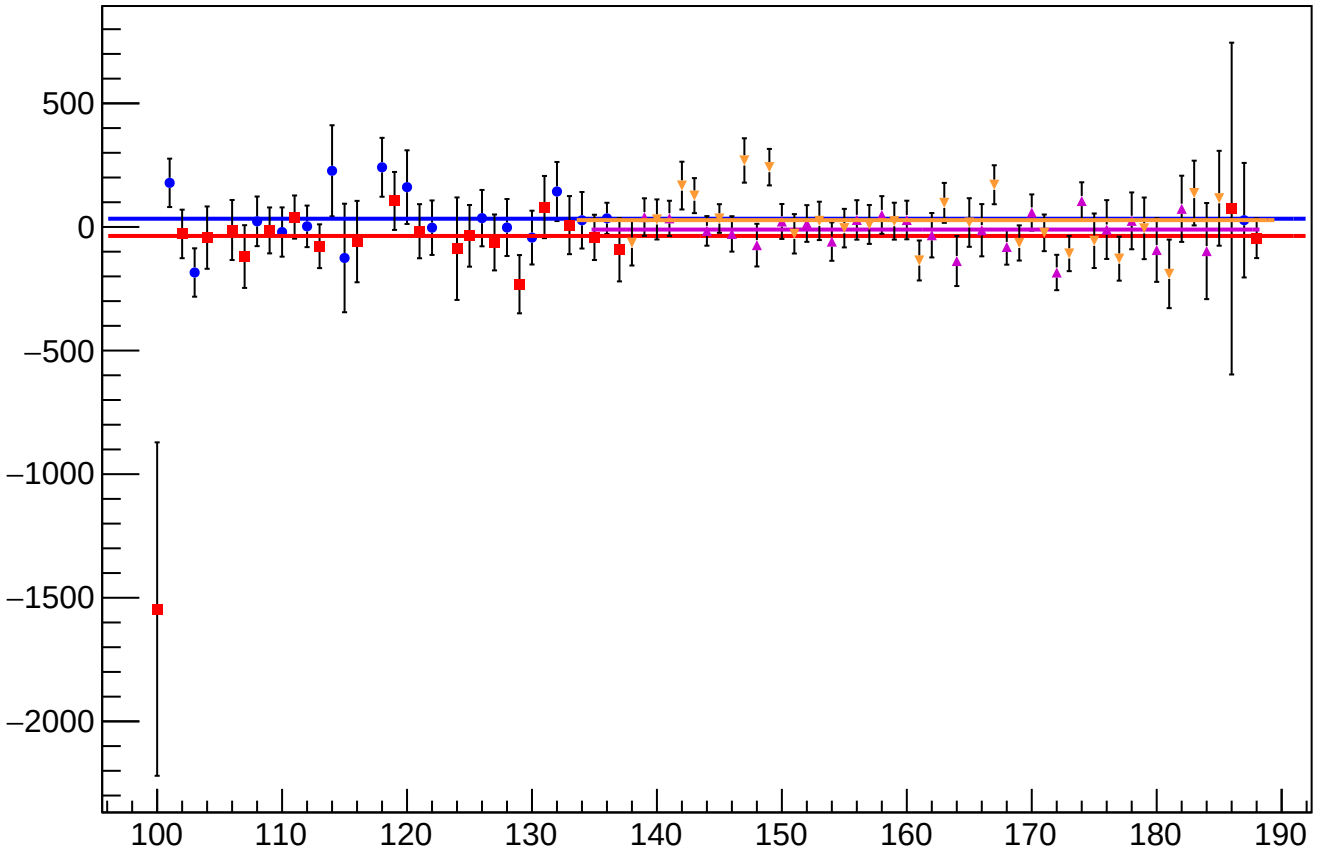
Left: 358.517+/-0.042 χ^2/NDF: 1203863.9/47

Right: 326.659+/-0.062 χ^2/NDF: 4607049.2/37

In: 350.021+/-0.050 χ^2/NDF:2488322.9/39

Out: 347.361+/-0.048 χ^2/NDF:3501453.7/45

All: 348.633+/-0.035 χ^2/NDF: 5991242.7/85



Right In: 33.322+/-26.245 χ^2/NDF: 14.5/16

Left Out: 27.627+/-16.742 χ^2/NDF:42.4/24

Right Out: -36.394+/-25.184 χ^2/NDF: 12.1/20

Left In: -10.521+/-17.225 χ^2/NDF:16.1/22

Left: 9.095+/-12.006 χ^2/NDF: 60.9/47

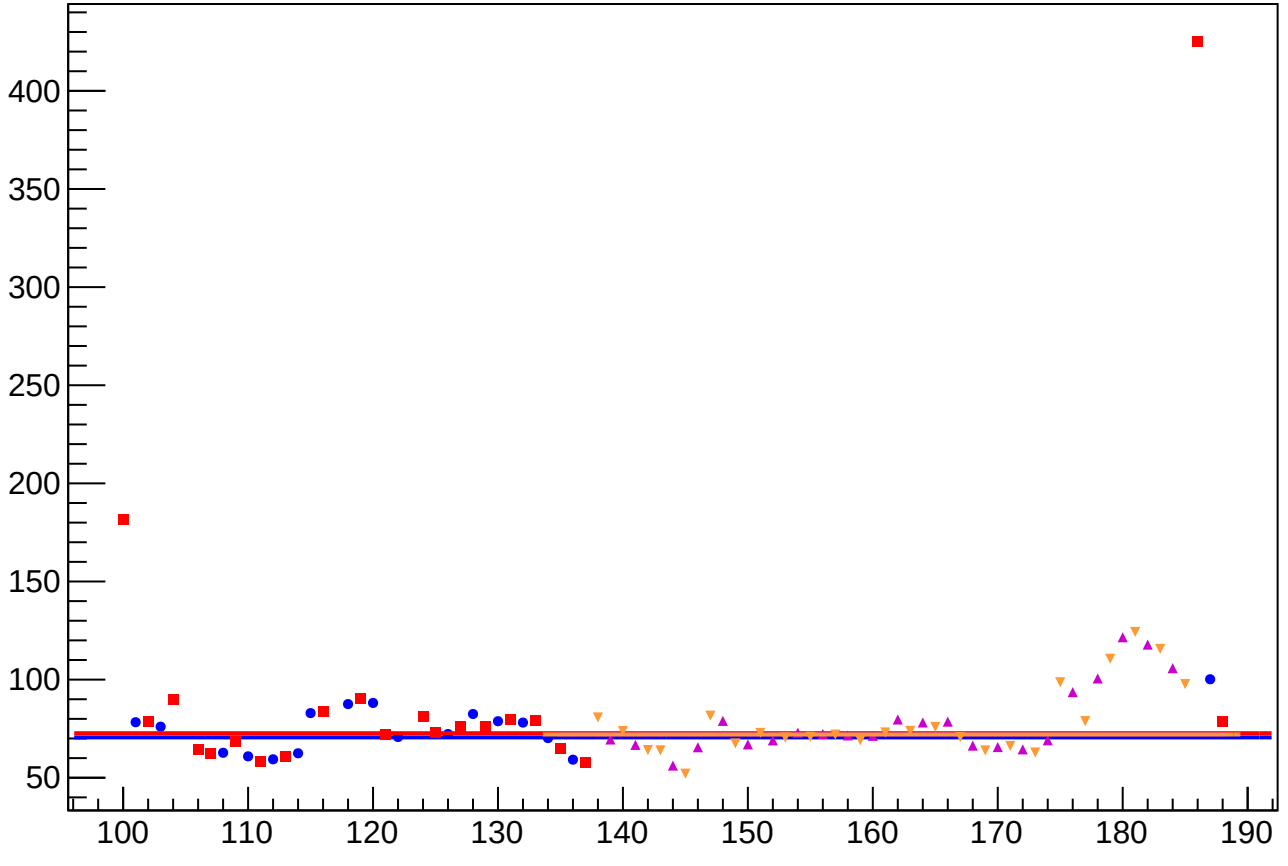
Right: -2.973+/-18.171 χ^2/NDF: 30.4/37

In: 2.679+/-14.400 χ^2/NDF:32.6/39

Out: 8.005+/-13.942 χ^2/NDF:59.0/45

All: 5.428+/-10.017 χ^2/NDF: 91.6/85

dit_asym_sam_37_48_dd_rms vs Slug, Sign Corrected



Right In: 70.553+/-0.019 χ^2/NDF: 302413.1/16

Left Out: 72.041+/-0.012 χ^2/NDF:1269471.8/24

Right Out: 72.698+/-0.018 χ^2/NDF: 892865.1/20

Left In: 72.092+/-0.012 χ^2/NDF:1058857.2/22

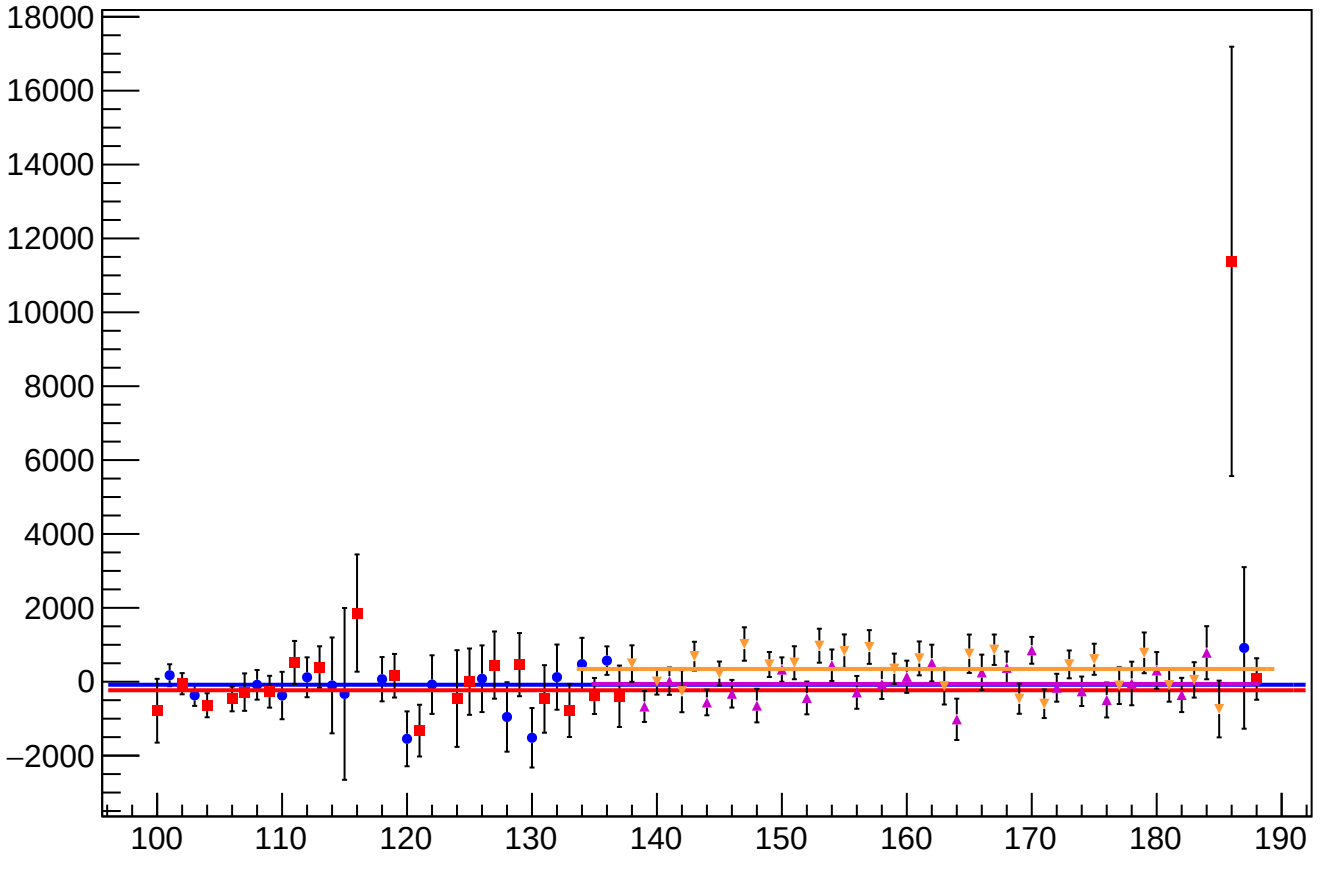
Left: 72.066+/-0.008 χ^2/NDF: 2328338.2/47

Right: 71.669+/-0.013 χ^2/NDF: 1202234.0/37

In: 71.629+/-0.010 χ^2/NDF:1366080.4/39

Out: 72.242+/-0.010 χ^2/NDF:2163280.9/45

All: 71.945+/-0.007 χ^2/NDF: 3531234.4/85



Right In: -81.504+/-132.632 χ^2/NDF: 13.9/16

Left Out: 345.973+/-86.822 χ^2/NDF:28.9/24

Right Out: -230.521+/-120.406 χ^2/NDF: 16.8/20

Left In: -59.908+/-89.411 χ^2/NDF:25.8/22

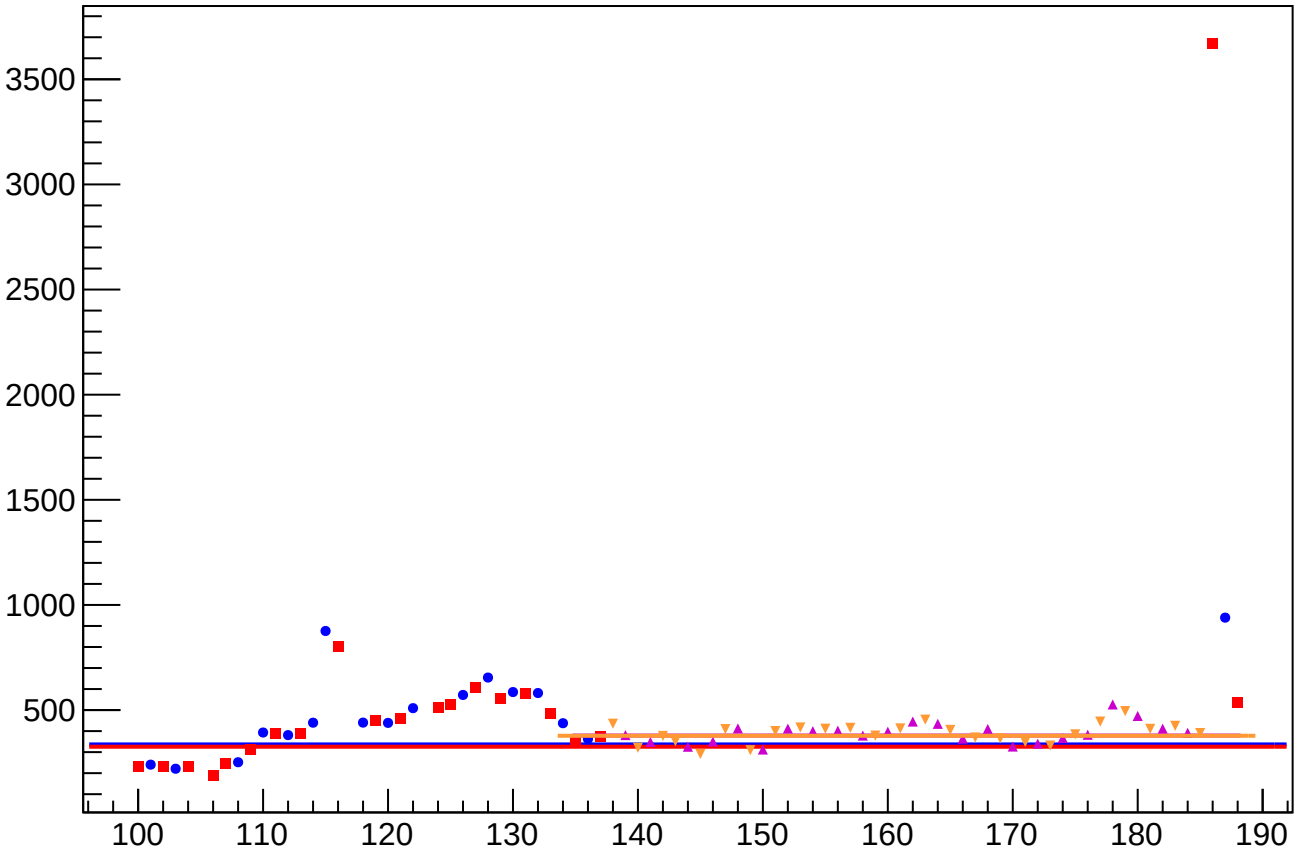
Left: 148.994+/-62.288 χ^2/NDF: 65.4/47

Right: -163.196+/-89.150 χ^2/NDF: 31.4/37

In: -66.656+/-74.138 χ^2/NDF:39.8/39

Out: 148.762+/-70.423 χ^2/NDF:60.8/45

All: 46.586+/-51.060 χ^2/NDF: 105.0/85



Right In: 336.657+/-0.094 χ^2/NDF: 1883236.3/16

Left Out: 377.797+/-0.061 χ^2/NDF:636714.9/24

Right Out: 325.704+/-0.085 χ^2/NDF: 2870303.4/20

Left In: 378.869+/-0.063 χ^2/NDF:527685.1/22

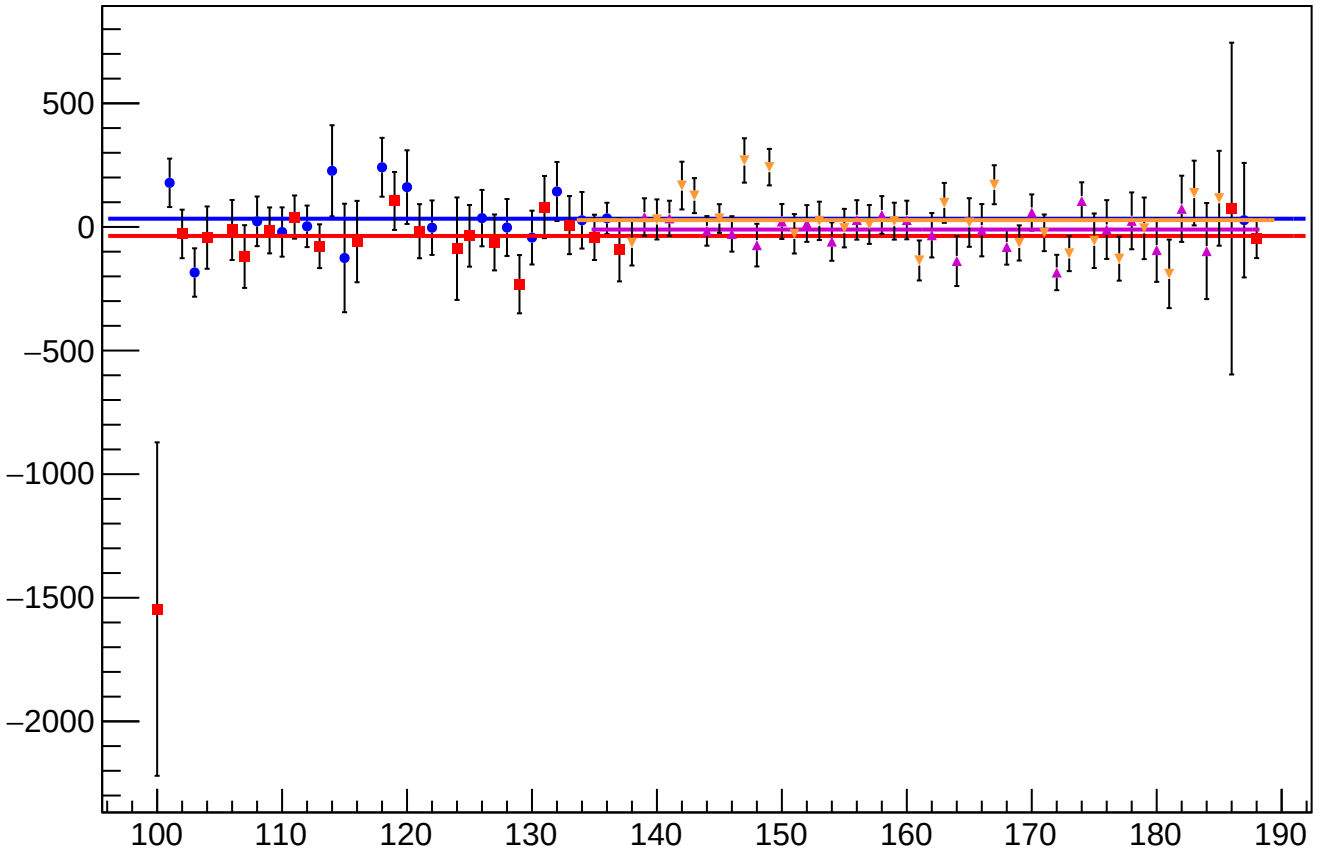
Left: 378.317+/-0.044 χ^2/NDF: 1164548.1/47

Right: 330.652+/-0.063 χ^2/NDF: 4761017.5/37

In: 365.680+/-0.052 χ^2/NDF:2550206.7/39

Out: 359.976+/-0.050 χ^2/NDF:3753316.5/45

All: 362.682+/-0.036 χ^2/NDF: 6309745.5/85



Right In: 33.321+/-26.245 χ^2/NDF: 14.5/16

Left Out: 27.626+/-16.742 χ^2/NDF:42.4/24

Right Out: -36.395+/-25.184 χ^2/NDF: 12.1/20

Left In: -10.521+/-17.225 χ^2/NDF:16.1/22

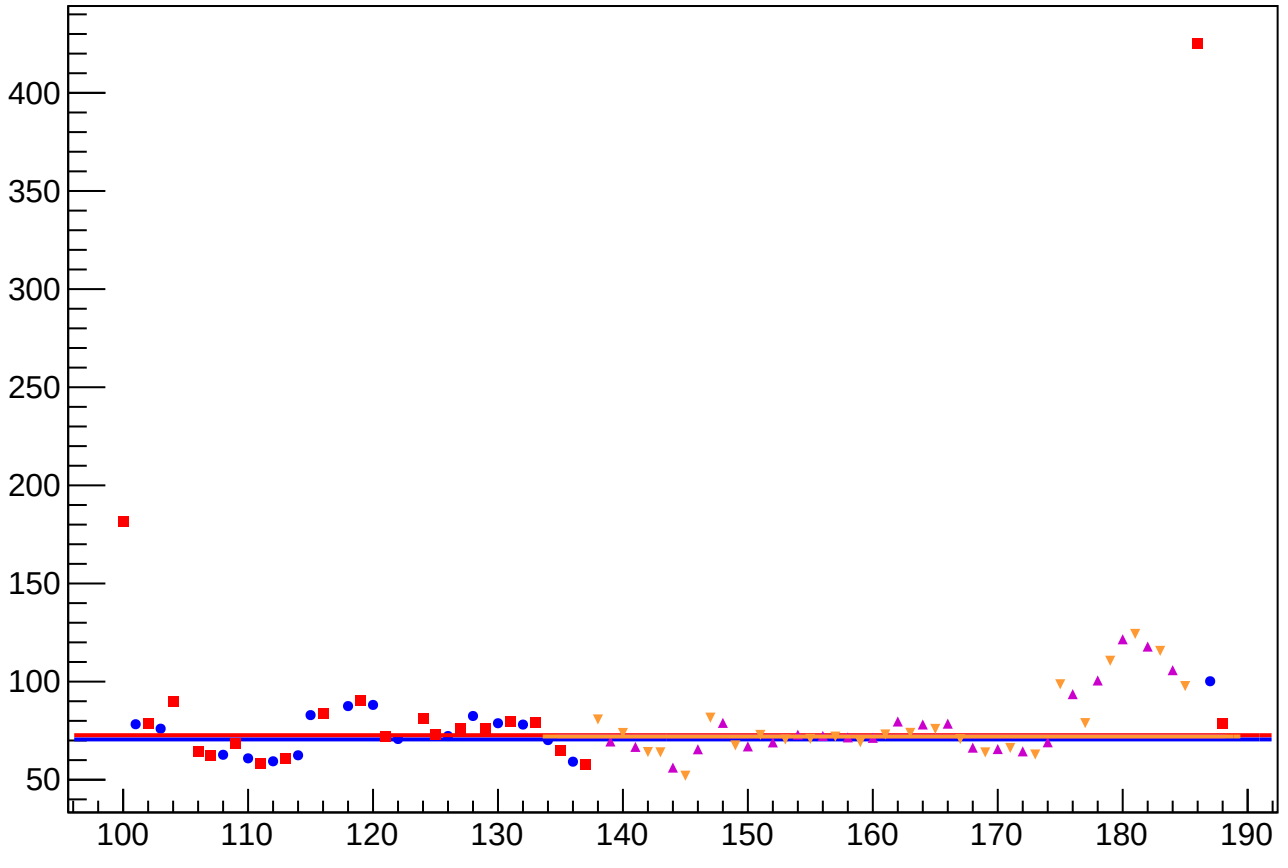
Left: 9.095+/-12.006 χ^2/NDF: 60.9/47

Right: -2.974+/-18.171 χ^2/NDF: 30.4/37

In: 2.678+/-14.400 χ^2/NDF:32.6/39

Out: 8.004+/-13.942 χ^2/NDF:59.0/45

All: 5.427+/-10.017 χ^2/NDF: 91.6/85



Right In: 70.553+/-0.019 χ^2/NDF: 302414.8/16

Left Out: 72.041+/-0.012 χ^2/NDF:1269479.1/24

Right Out: 72.698+/-0.018 χ^2/NDF: 892866.5/20

Left In: 72.092+/-0.012 χ^2/NDF:1058847.4/22

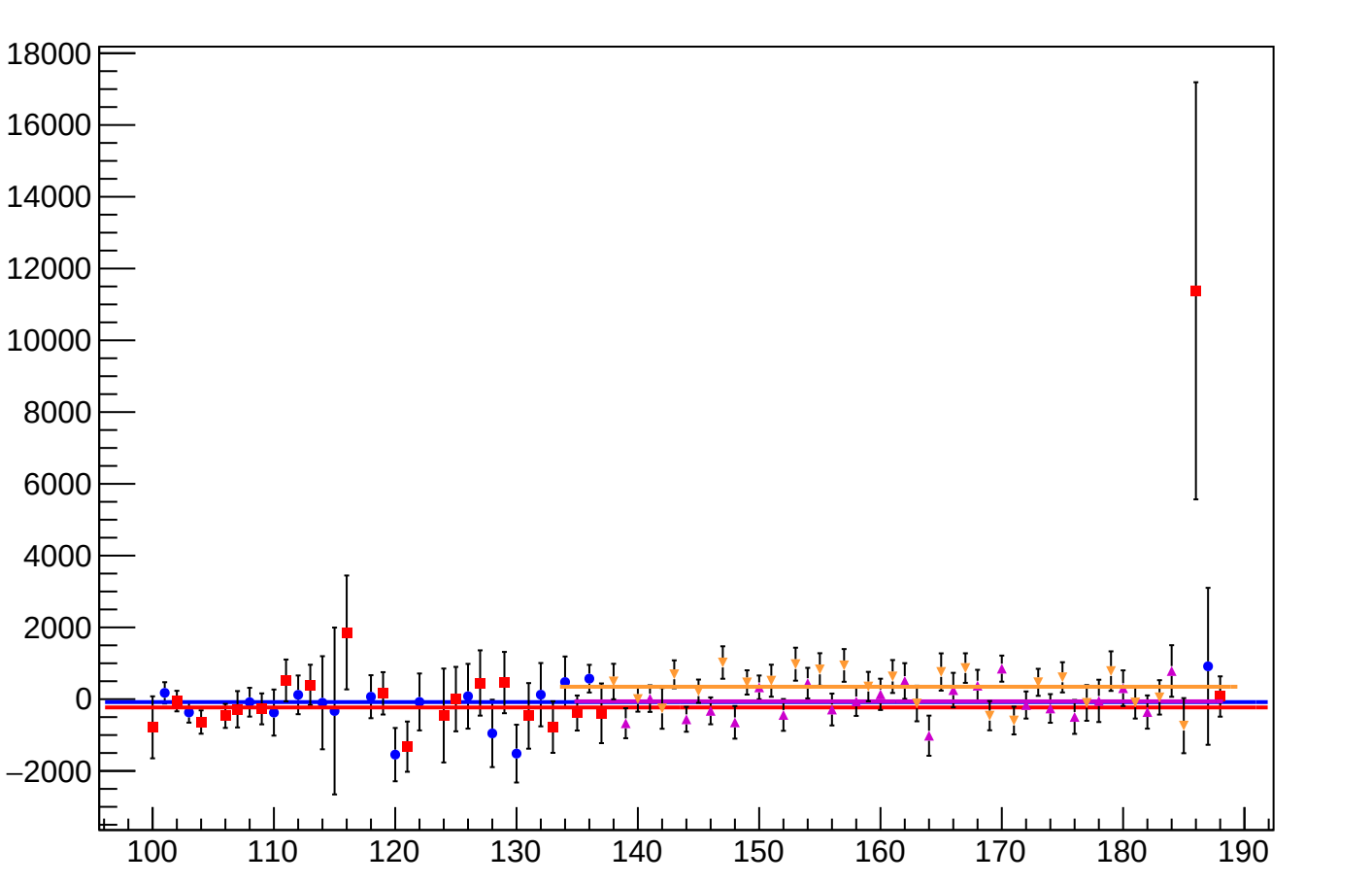
Left: 72.066+/-0.008 χ^2/NDF: 2328335.7/47

Right: 71.669+/-0.013 χ^2/NDF: 1202236.7/37

In: 71.629+/-0.010 χ^2/NDF:1366071.3/39

Out: 72.242+/-0.010 χ^2/NDF:2163289.9/45

All: 71.945+/-0.007 χ^2/NDF: 3531234.2/85



Right In: -81.505+/-132.632 χ^2/NDF: 13.9/16

Left Out: 345.972+/-86.822 χ^2/NDF:28.9/24

Right Out: -230.521+/-120.406 χ^2/NDF: 16.8/20

Left In: -59.907+/-89.411 χ^2/NDF:25.8/22

Left: 148.994+/-62.288 χ^2/NDF: 65.4/47

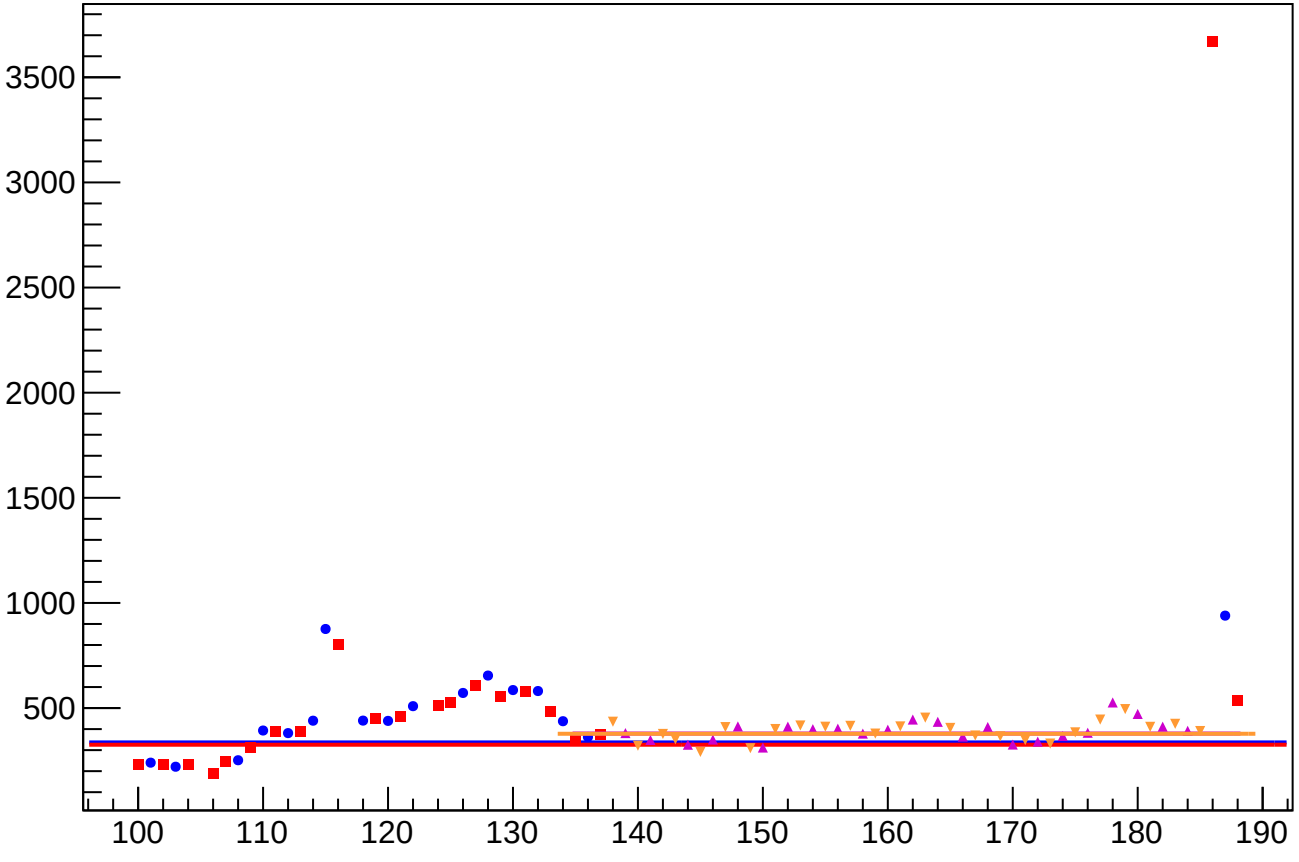
Right: -163.197+/-89.150 χ^2/NDF: 31.4/37

In: -66.656+/-74.138 χ^2/NDF:39.8/39

Out: 148.761+/-70.423 χ^2/NDF:60.8/45

All: 46.585+/-51.060 χ^2/NDF: 105.0/85

asym_sam_37_48_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 336.657+/-0.094 χ^2/NDF: 1883235.3/16

Left Out: 377.796+/-0.061 χ^2/NDF:636714.9/24

Right Out: 325.704+/-0.085 χ^2/NDF: 2870297.5/20

Left In: 378.869+/-0.063 χ^2/NDF:527680.9/22

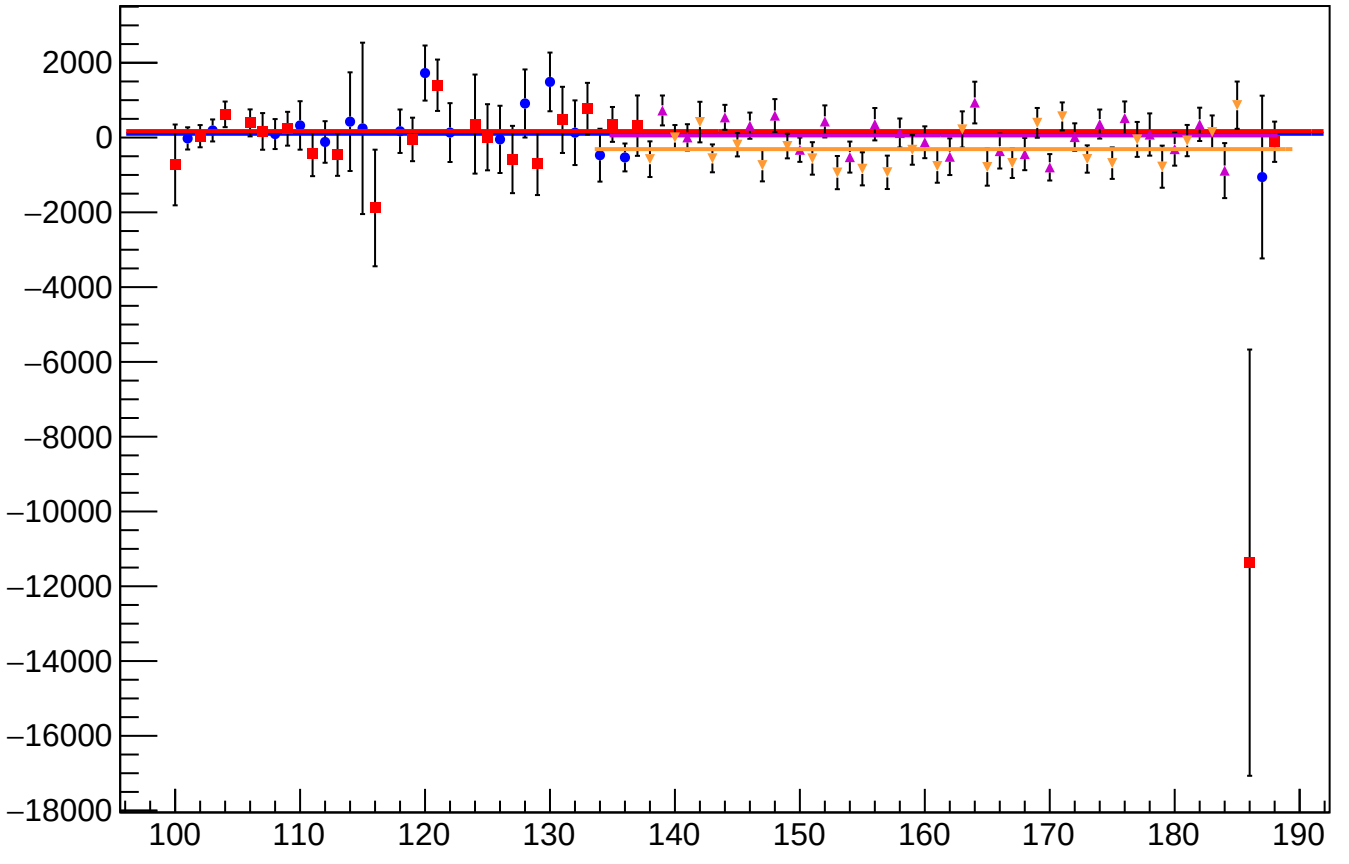
Left: 378.317+/-0.044 χ^2/NDF: 1164543.9/47

Right: 330.652+/-0.063 χ^2/NDF: 4761011.0/37

In: 365.680+/-0.052 χ^2/NDF:2550198.3/39

Out: 359.976+/-0.050 χ^2/NDF:3753307.7/45

All: 362.681+/-0.036 χ^2/NDF: 6309728.6/85



Right In: 101.065+/-132.798 χ^2/NDF: 13.2/16

Left Out: -309.330+/-83.706 χ^2/NDF:30.0/24

Right Out: 173.366+/-122.841 χ^2/NDF: 17.5/20

Left In: 57.543+/-86.225 χ^2/NDF:28.0/22

Left: -131.331+/-60.060 χ^2/NDF: 67.3/47

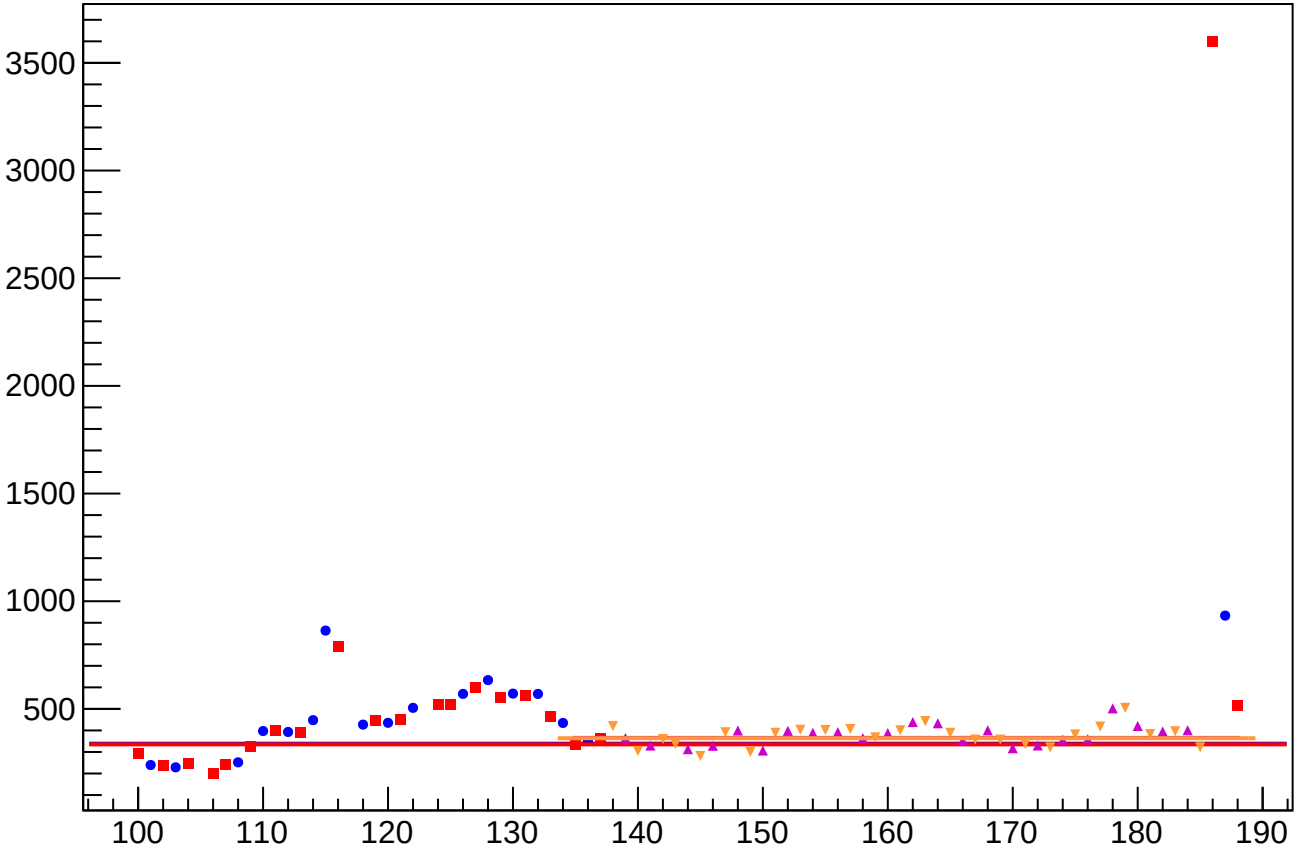
Right: 140.027+/-90.176 χ^2/NDF: 31.0/37

In: 70.450+/-72.318 χ^2/NDF:41.3/39

Out: -156.271+/-69.173 χ^2/NDF:58.1/45

All: -47.947+/-49.987 χ^2/NDF: 104.5/85

asym_sam_37_48_dd_rms vs Slug, Sign Corrected



Right In: 338.316+/-0.094 χ^2/NDF: 1769015.0/16

Left Out: 363.714+/-0.059 χ^2/NDF:669244.7/24

Right Out: 335.295+/-0.087 χ^2/NDF: 2557562.3/20

Left In: 365.324+/-0.061 χ^2/NDF:509496.4/22

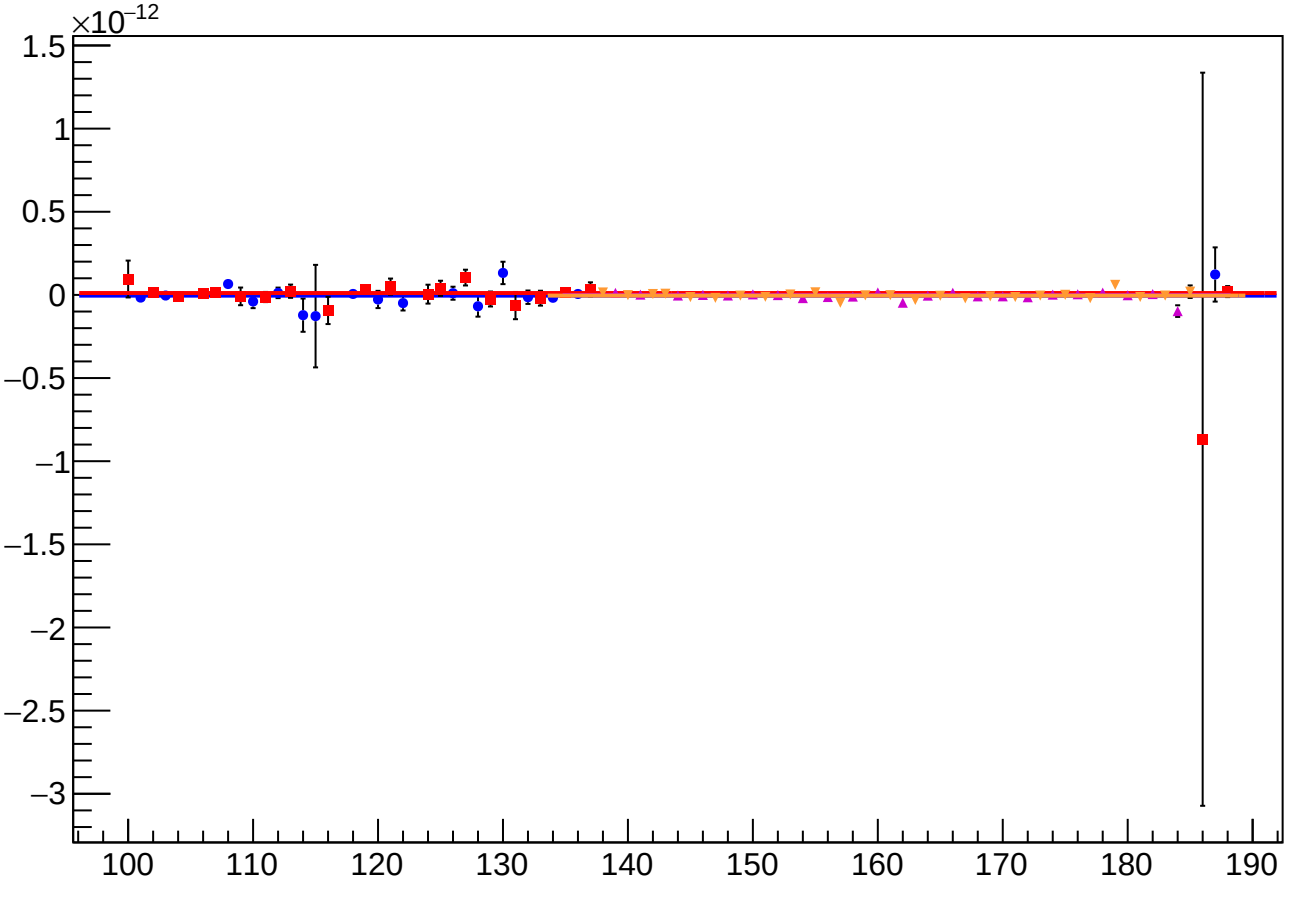
Left: 364.495+/-0.042 χ^2/NDF: 1179100.0/47

Right: 336.688+/-0.064 χ^2/NDF: 4327134.9/37

In: 357.314+/-0.051 χ^2/NDF:2336705.1/39

Out: 354.703+/-0.049 χ^2/NDF:3299908.5/45

All: 355.950+/-0.035 χ^2/NDF: 5637975.9/85



Right In: -0.000+/-0.000 χ^2/NDF: 17.1/16

Left Out: -0.000+/-0.000 χ^2/NDF:21.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 12.6/20

Left In: -0.000+/-0.000 χ^2/NDF:21.7/22

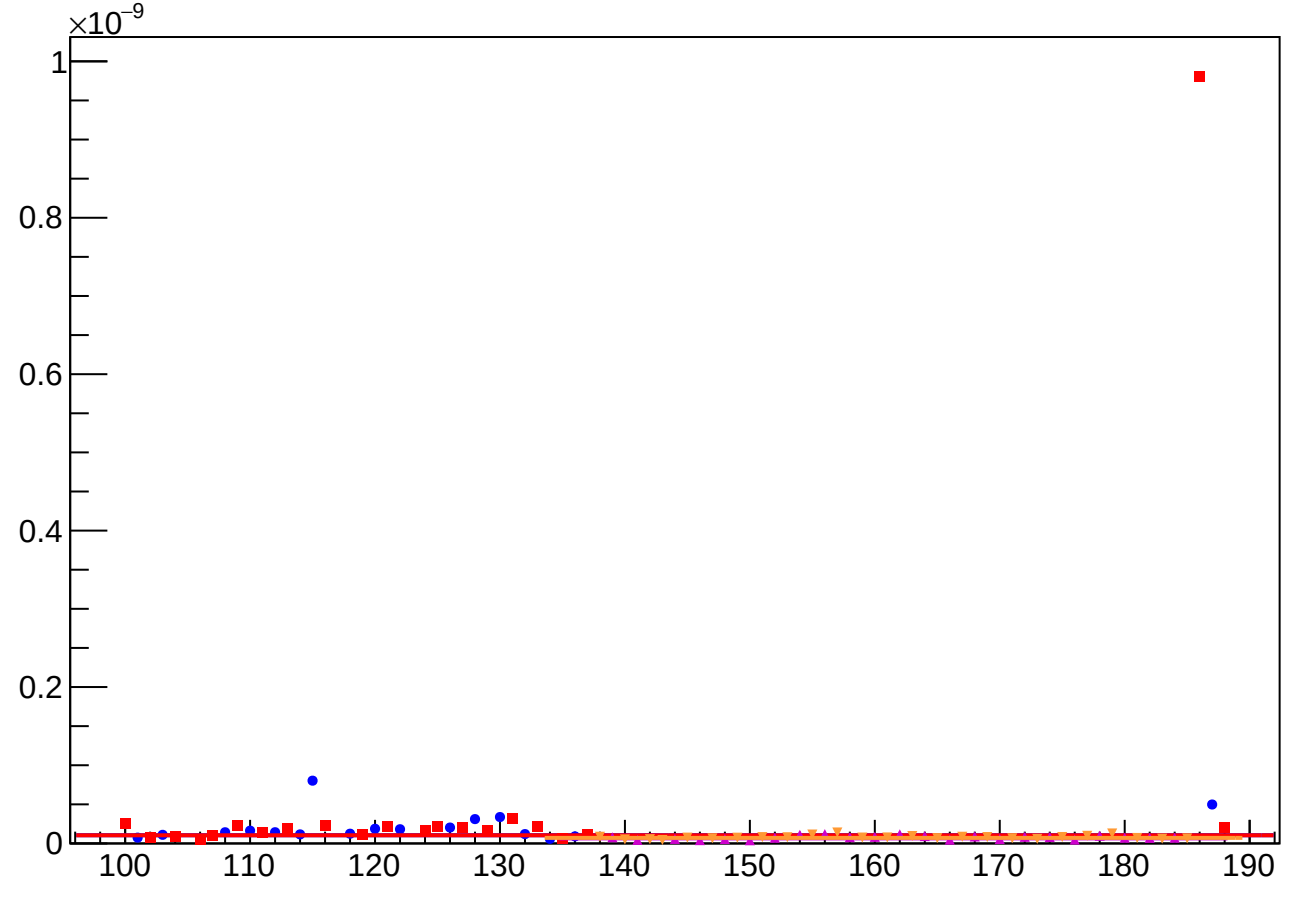
Left: -0.000+/-0.000 χ^2/NDF: 44.3/47

Right: 0.000+/-0.000 χ^2/NDF: 32.7/37

In: -0.000+/-0.000 χ^2/NDF:39.0/39

Out: -0.000+/-0.000 χ^2/NDF:39.6/45

All: -0.000+/-0.000 χ^2/NDF: 78.7/85



Right In: 0.000+/-0.000 χ^2/NDF: 1300105.3/16

Left Out: 0.000+/-0.000 χ^2/NDF:872904.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2014449.0/20

Left In: 0.000+/-0.000 χ^2/NDF:1216388.8/22

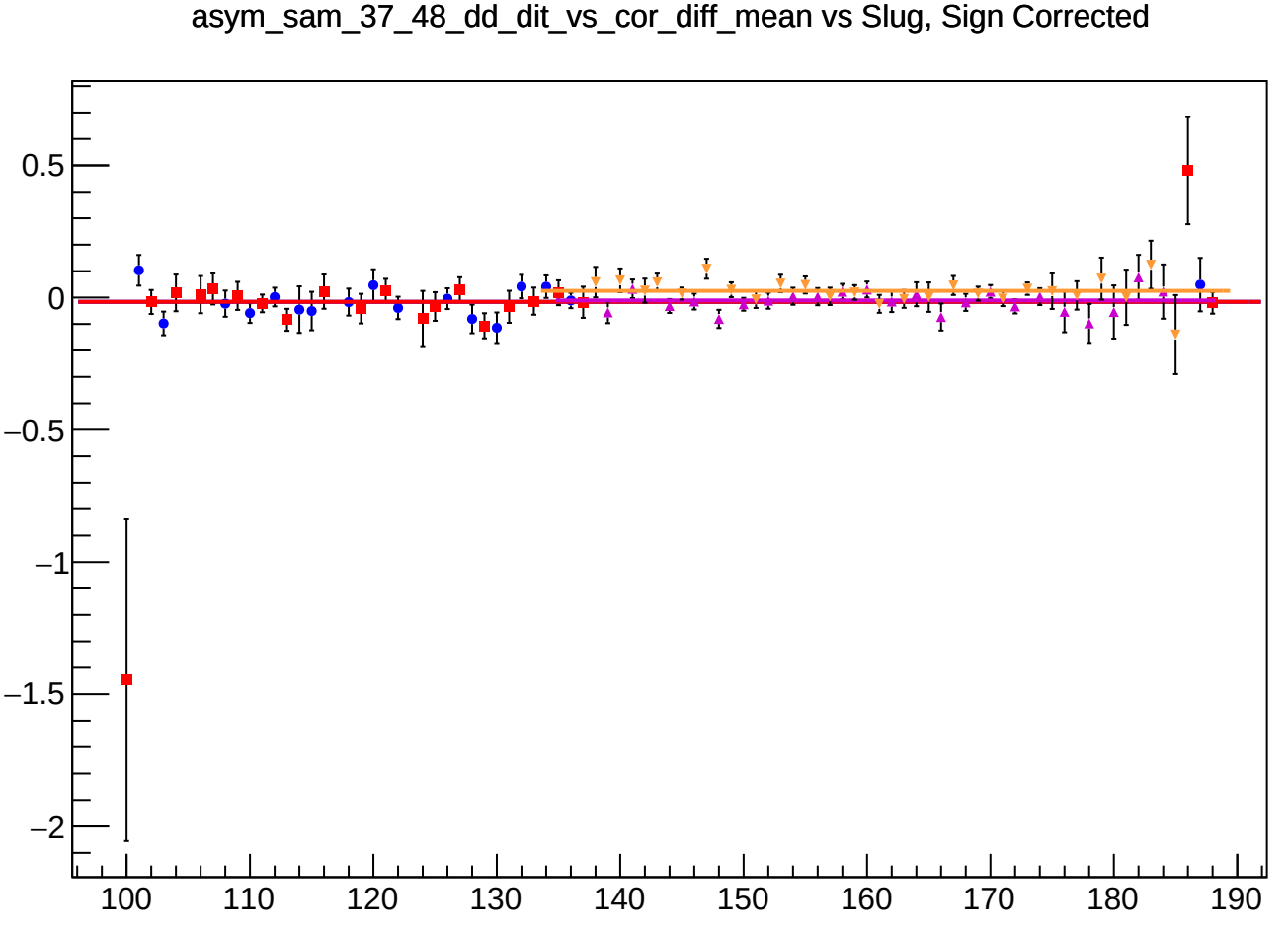
Left: 0.000+/-0.000 χ^2/NDF: 2149252.2/47

Right: 0.000+/-0.000 χ^2/NDF: 3314734.8/37

In: 0.000+/-0.000 χ^2/NDF:3196710.6/39

Out: 0.000+/-0.000 χ^2/NDF:3356235.8/45

All: 0.000+/-0.000 χ^2/NDF: 6608781.6/85



Right In: -0.016+/-0.011 χ^2/NDF: 19.2/16

Left Out: 0.025+/-0.007 χ^2/NDF:17.4/24

Right Out: -0.016+/-0.012 χ^2/NDF: 22.9/20

Left In: -0.011+/-0.007 χ^2/NDF:19.0/22

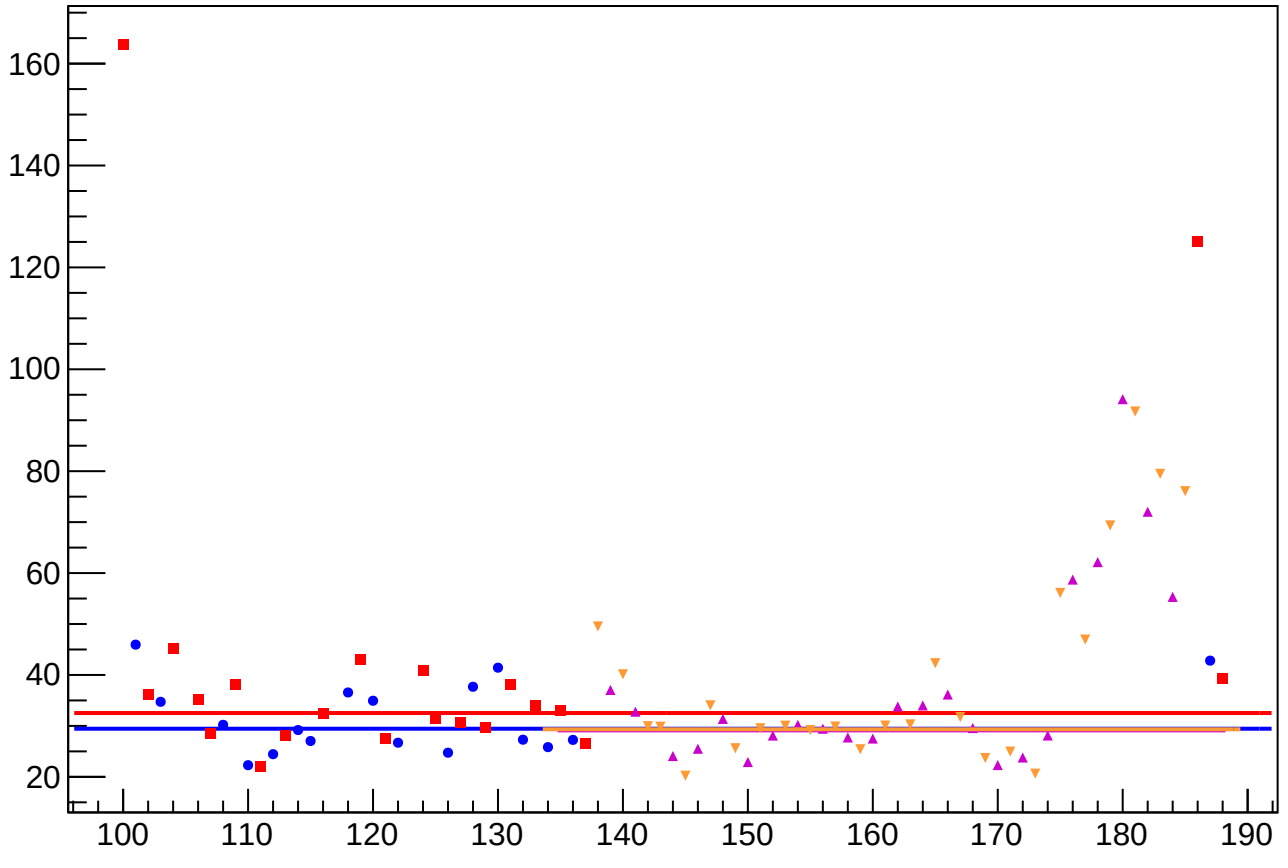
Left: 0.008+/-0.005 χ^2/NDF: 49.0/47

Right: -0.016+/-0.008 χ^2/NDF: 42.1/37

In: -0.012+/-0.006 χ^2/NDF:38.4/39

Out: 0.014+/-0.006 χ^2/NDF:49.5/45

All: 0.001+/-0.004 χ^2/NDF: 97.2/85



Right In: 29.447+/-0.008 χ^2/NDF: 596129.1/16

Left Out: 29.335+/-0.005 χ^2/NDF:3874774.5/24

Right Out: 32.530+/-0.008 χ^2/NDF: 1054929.9/20

Left In: 29.125+/-0.005 χ^2/NDF:2839115.6/22

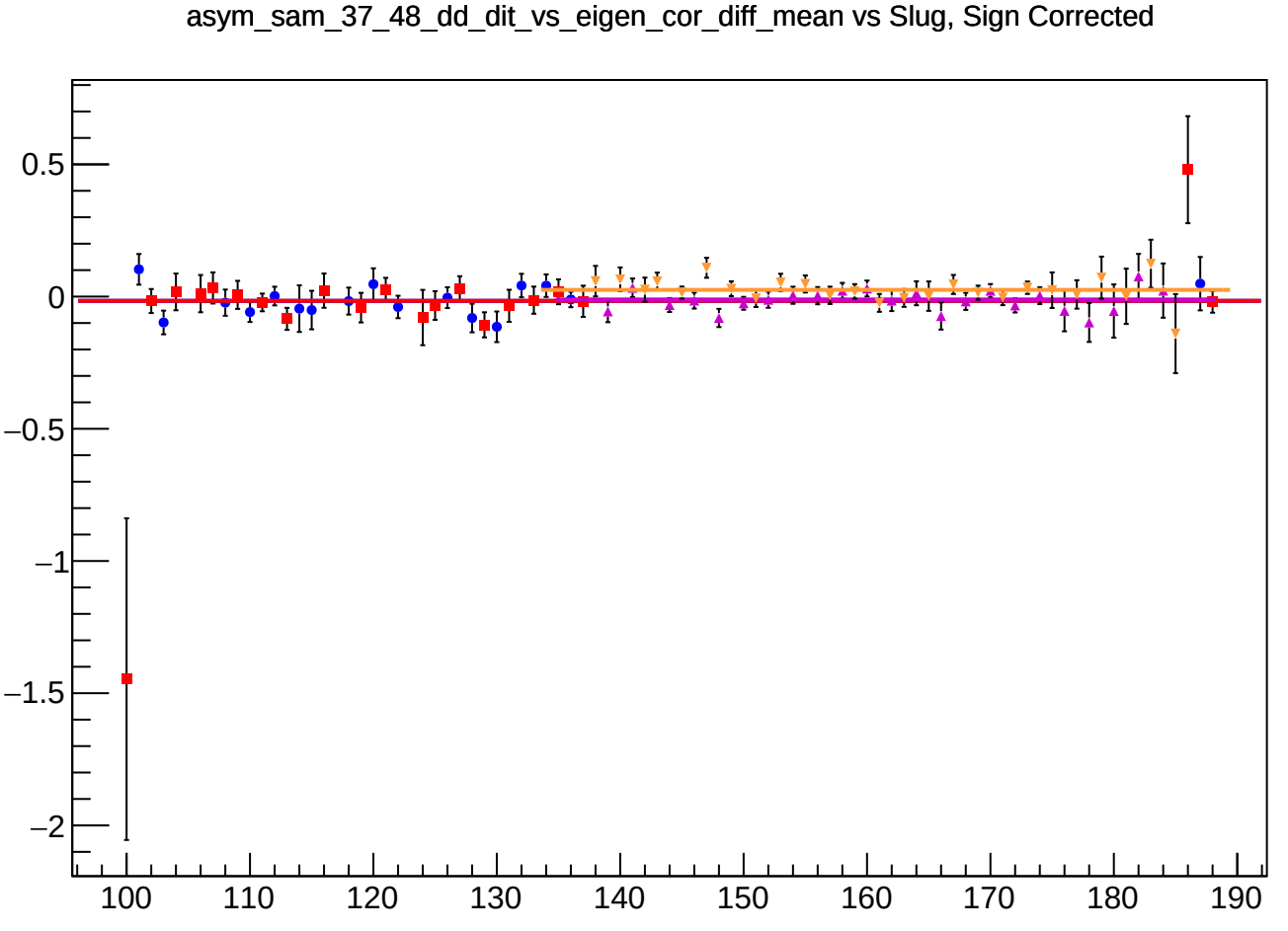
Left: 29.231+/-0.004 χ^2/NDF: 6714732.4/47

Right: 30.947+/-0.006 χ^2/NDF: 1723817.5/37

In: 29.220+/-0.004 χ^2/NDF:3436398.5/39

Out: 30.221+/-0.004 χ^2/NDF:5039669.2/45

All: 29.722+/-0.003 χ^2/NDF: 8502897.6/85



Right In: -0.016+/-0.011 χ^2/NDF: 19.2/16

Left Out: 0.025+/-0.007 χ^2/NDF:17.4/24

Right Out: -0.016+/-0.012 χ^2/NDF: 22.9/20

Left In: -0.011+/-0.007 χ^2/NDF:19.0/22

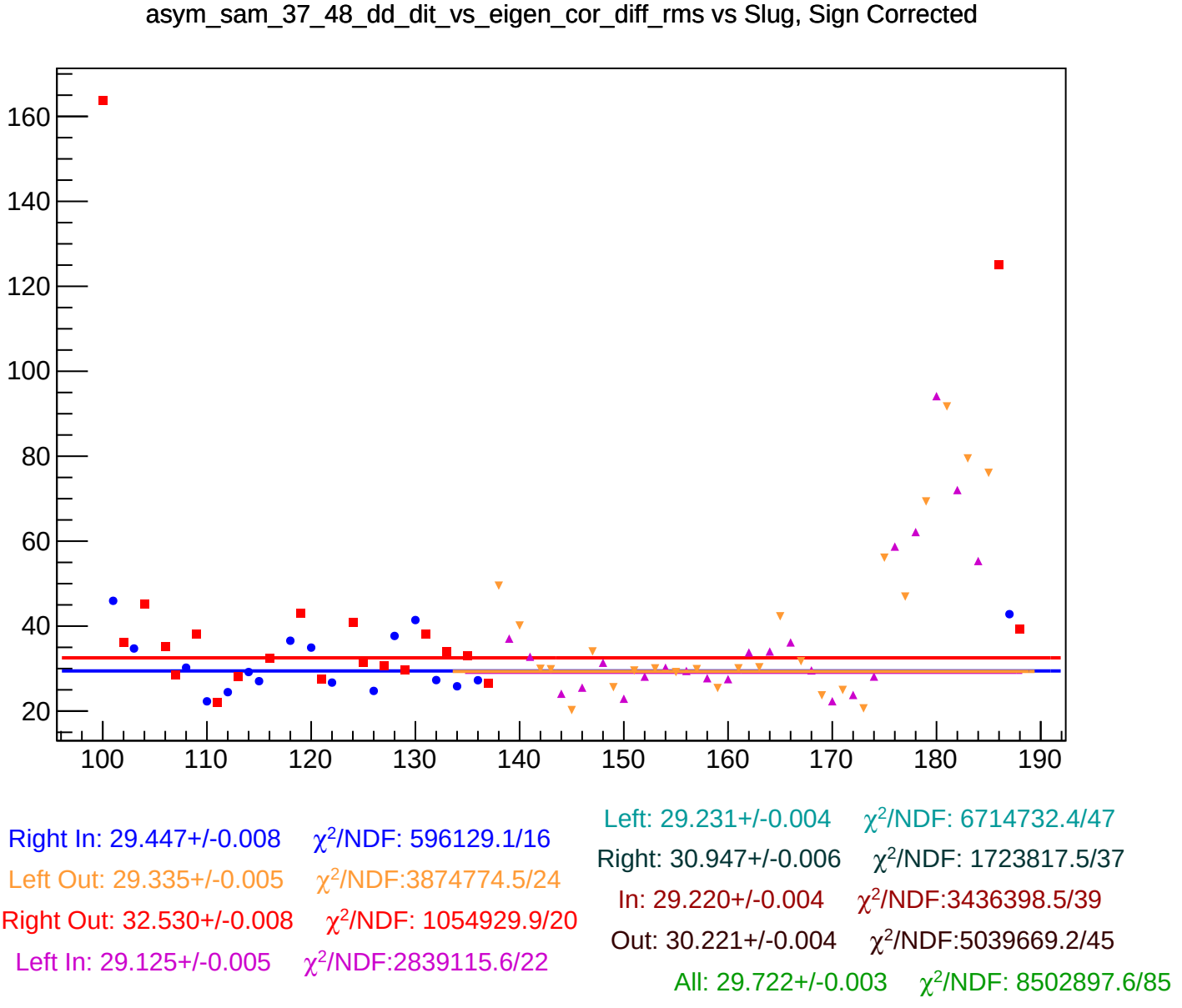
Left: 0.008+/-0.005 χ^2/NDF: 49.0/47

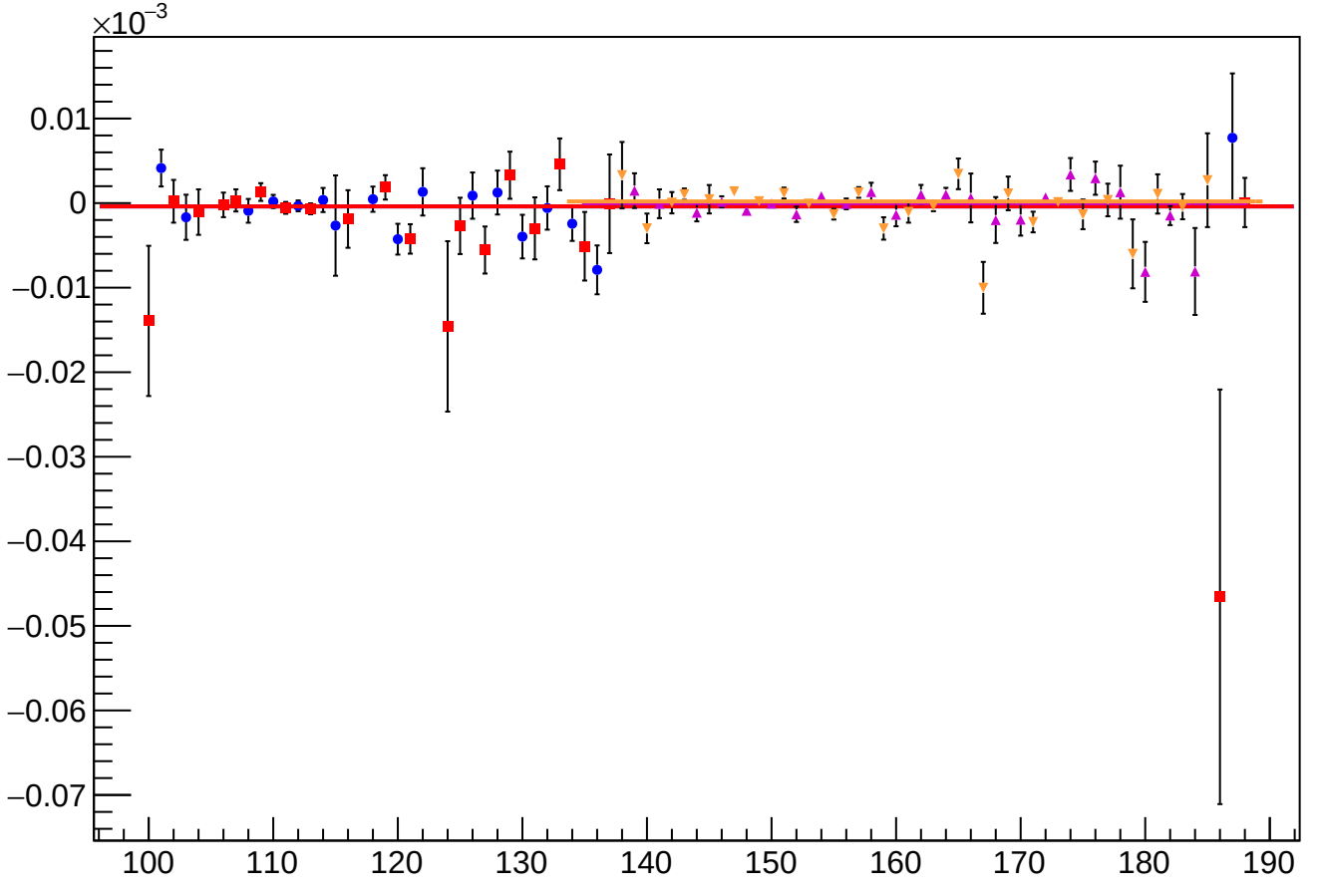
Right: -0.016+/-0.008 χ^2/NDF: 42.1/37

In: -0.012+/-0.006 χ^2/NDF:38.4/39

Out: 0.014+/-0.006 χ^2/NDF:49.5/45

All: 0.001+/-0.004 χ^2/NDF: 97.2/85


asym_sam_37_48_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
160
140
120
100
80
60
40
20
100
110
120
130
140
150
160
170
180
190
Right In: 29.447+/-0.008 χ²/NDF: 596129.1/16
Left Out: 29.335+/-0.005 χ²/NDF:3874774.5/24
Right Out: 32.530+/-0.008 χ²/NDF: 1054929.9/20
Left In: 29.125+/-0.005 χ²/NDF:2839115.6/22
Left: 29.231+/-0.004 χ²/NDF: 6714732.4/47
Right: 30.947+/-0.006 χ²/NDF: 1723817.5/37
In: 29.220+/-0.004 χ²/NDF:3436398.5/39
Out: 30.221+/-0.004 χ²/NDF:5039669.2/45
All: 29.722+/-0.003 χ²/NDF: 8502897.6/85



Right In: -0.000+/-0.000 χ^2/NDF: 22.4/16

Left Out: 0.000+/-0.000 χ^2/NDF:52.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 28.9/20

Left In: -0.000+/-0.000 χ^2/NDF:32.9/22

Left: 0.000+/-0.000 χ^2/NDF: 86.2/47

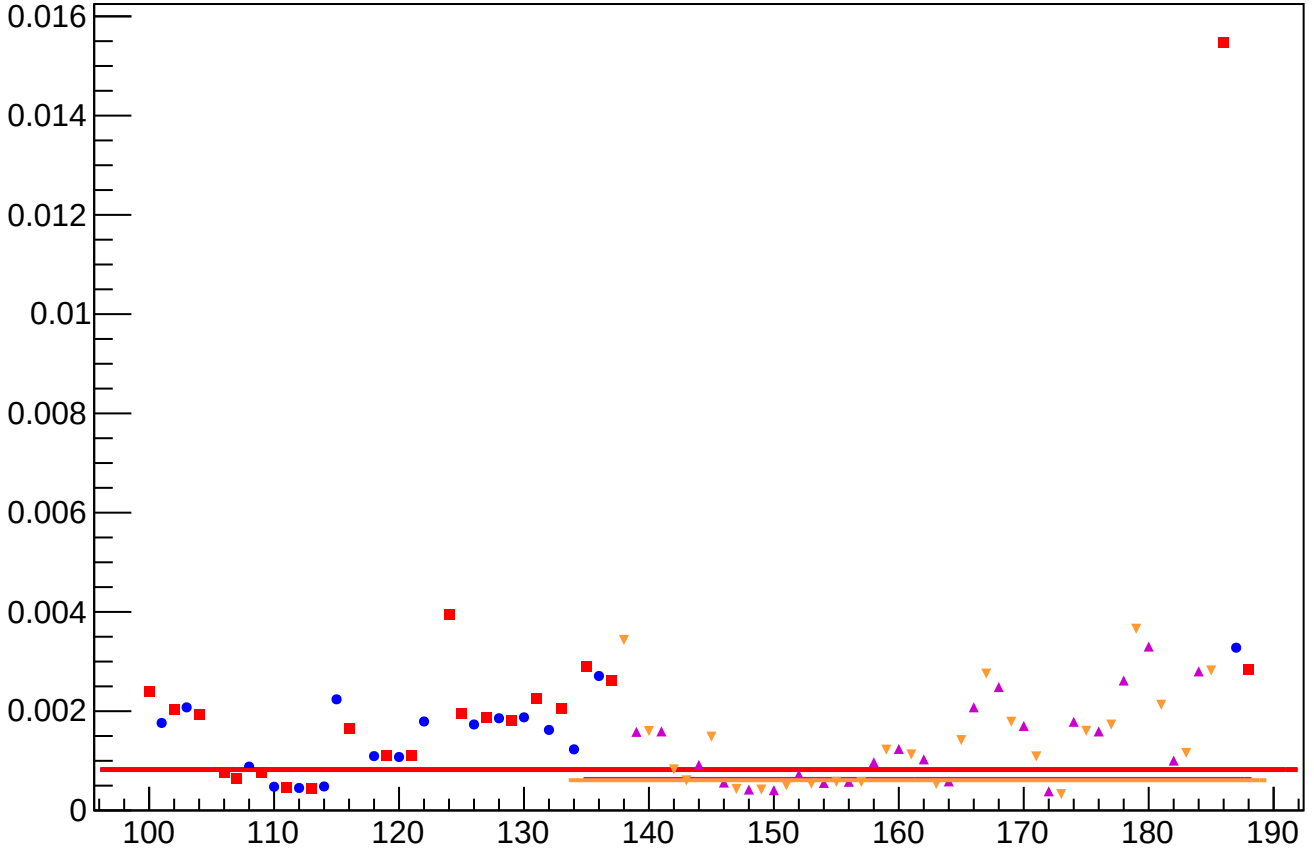
Right: -0.000+/-0.000 χ^2/NDF: 51.2/37

In: -0.000+/-0.000 χ^2/NDF:56.2/39

Out: 0.000+/-0.000 χ^2/NDF:83.8/45

All: 0.000+/-0.000 χ^2/NDF: 140.5/85

asym_sam_37_48_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 4656040.9/16

Left Out: 0.001+/-0.000 χ^2/NDF:10964161.2/24

Right Out: 0.001+/-0.000 χ^2/NDF: 6340887.7/20

Left In: 0.001+/-0.000 χ^2/NDF:9376124.7/22

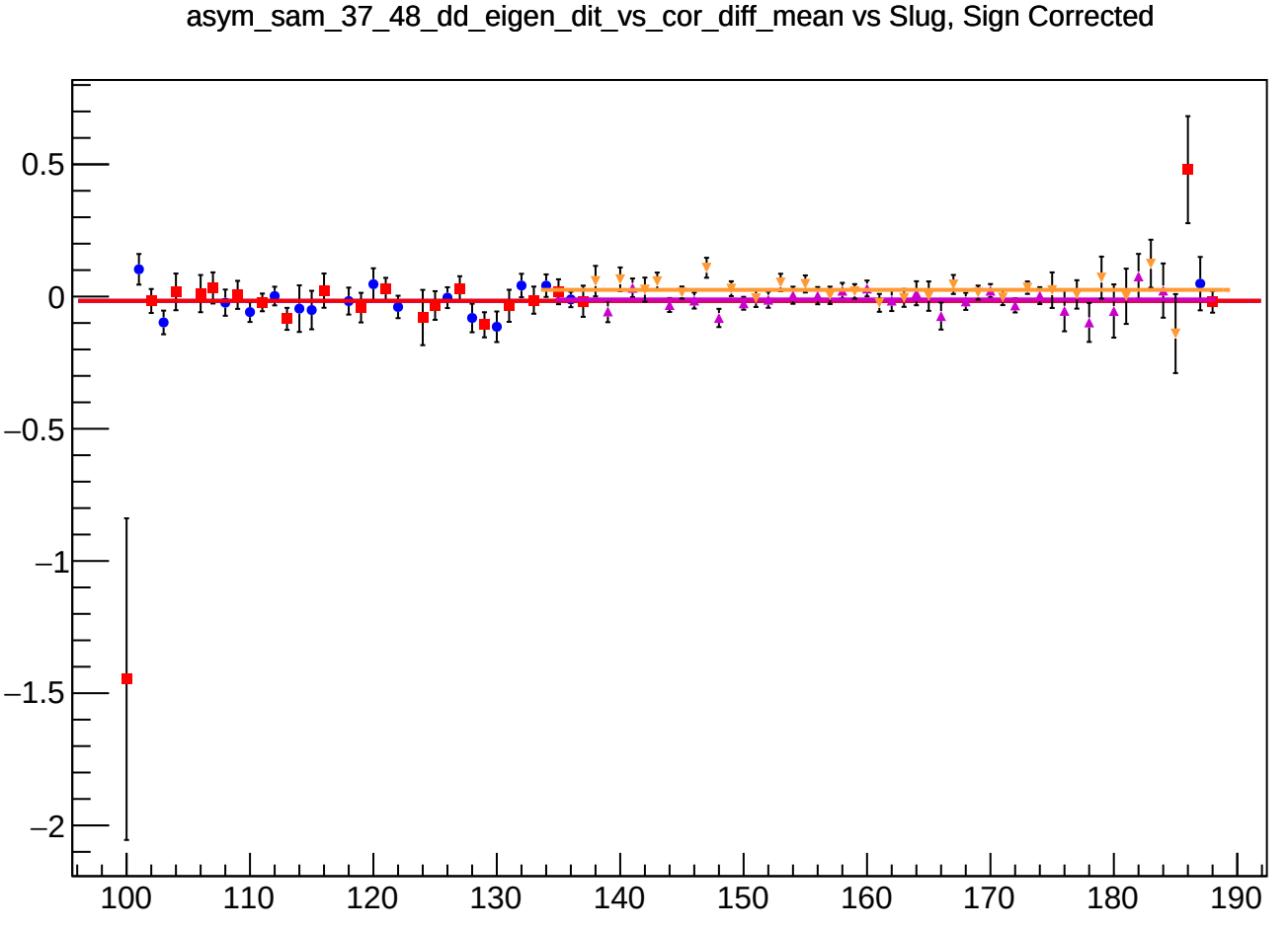
Left: 0.001+/-0.000 χ^2/NDF: 20361960.5/47

Right: 0.001+/-0.000 χ^2/NDF: 10999057.3/37

In: 0.001+/-0.000 χ^2/NDF:14481606.6/39

Out: 0.001+/-0.000 χ^2/NDF:17870485.9/45

All: 0.001+/-0.000 χ^2/NDF: 32376272.2/85



Right In: -0.016+/-0.011 χ^2/NDF: 19.2/16

Left Out: 0.025+/-0.007 χ^2/NDF:17.4/24

Right Out: -0.016+/-0.012 χ^2/NDF: 22.9/20

Left In: -0.011+/-0.007 χ^2/NDF:19.0/22

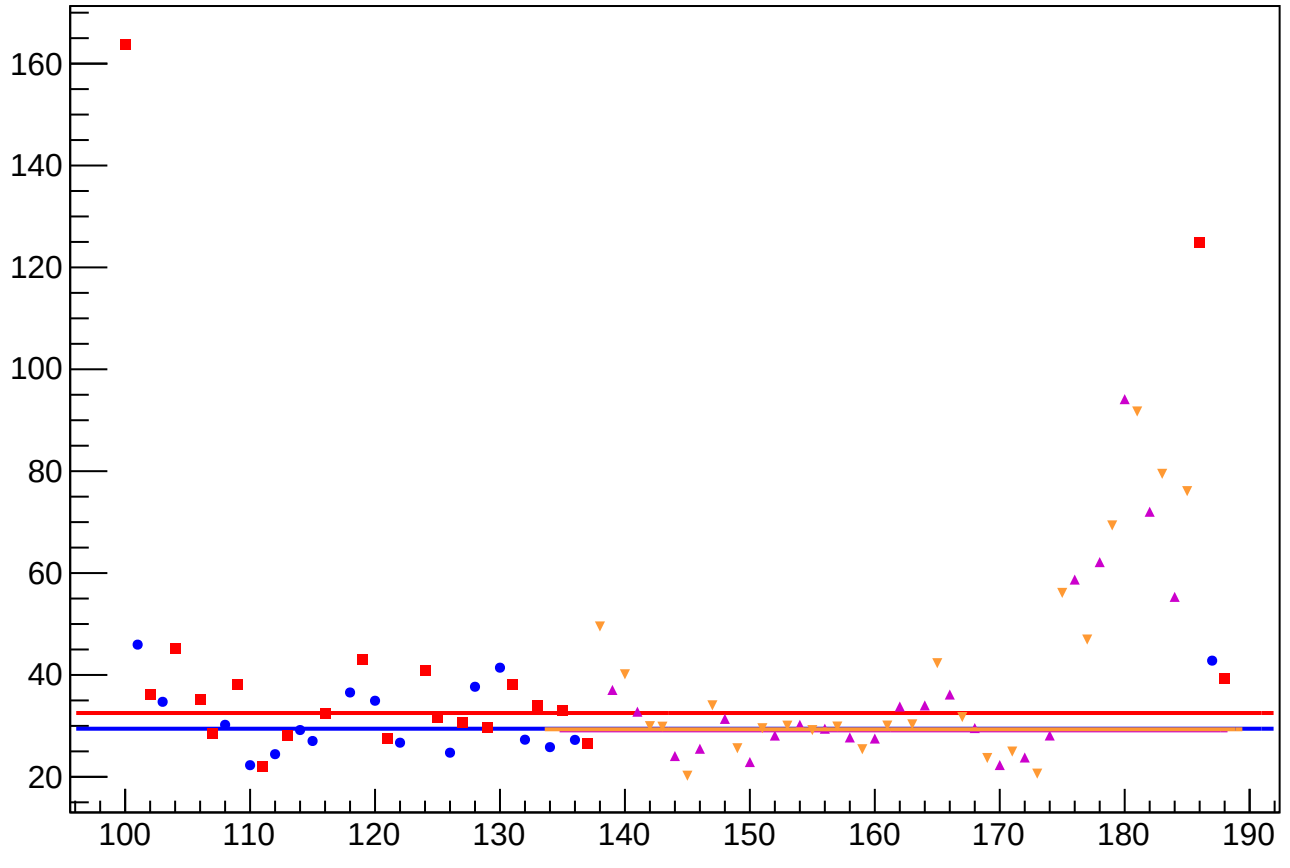
Left: 0.008+/-0.005 χ^2/NDF: 49.0/47

Right: -0.016+/-0.008 χ^2/NDF: 42.1/37

In: -0.012+/-0.006 χ^2/NDF:38.4/39

Out: 0.014+/-0.006 χ^2/NDF:49.5/45

All: 0.001+/-0.004 χ^2/NDF: 97.2/85



Right In: 29.447+/-0.008 χ^2/NDF: 596120.5/16

Left Out: 29.334+/-0.005 χ^2/NDF:3874839.0/24

Right Out: 32.531+/-0.008 χ^2/NDF: 1054879.0/20

Left In: 29.124+/-0.005 χ^2/NDF:2839078.4/22

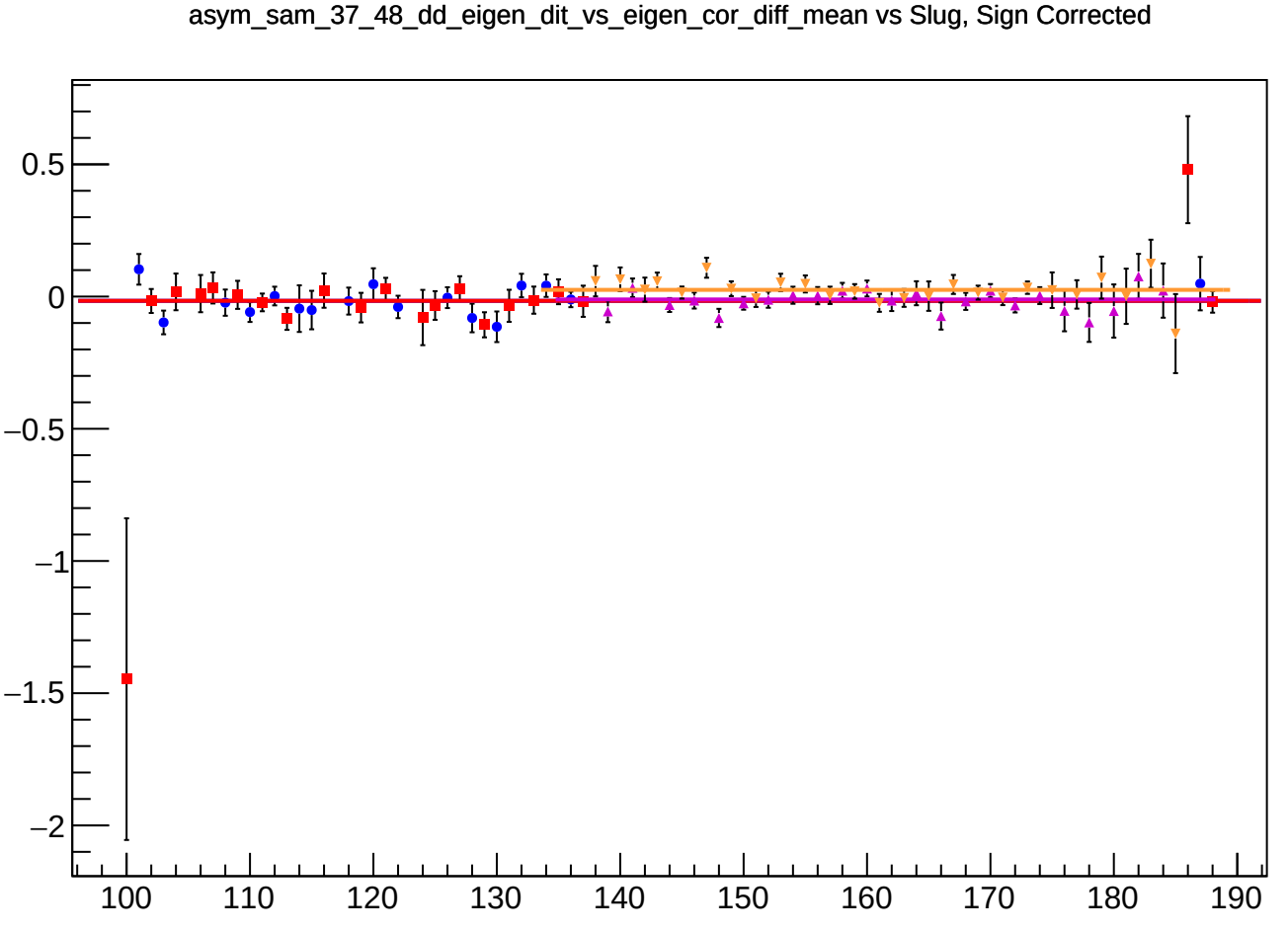
Left: 29.231+/-0.004 χ^2/NDF: 6714759.4/47

Right: 30.947+/-0.006 χ^2/NDF: 1723761.2/37

In: 29.220+/-0.004 χ^2/NDF:3436354.8/39

Out: 30.221+/-0.004 χ^2/NDF:5039712.0/45

All: 29.722+/-0.003 χ^2/NDF: 8502895.7/85



Right In: -0.016+/-0.011 χ^2/NDF: 19.2/16

Left Out: 0.025+/-0.007 χ^2/NDF:17.4/24

Right Out: -0.016+/-0.012 χ^2/NDF: 22.9/20

Left In: -0.011+/-0.007 χ^2/NDF:19.0/22

Left: 0.008+/-0.005 χ^2/NDF: 49.0/47

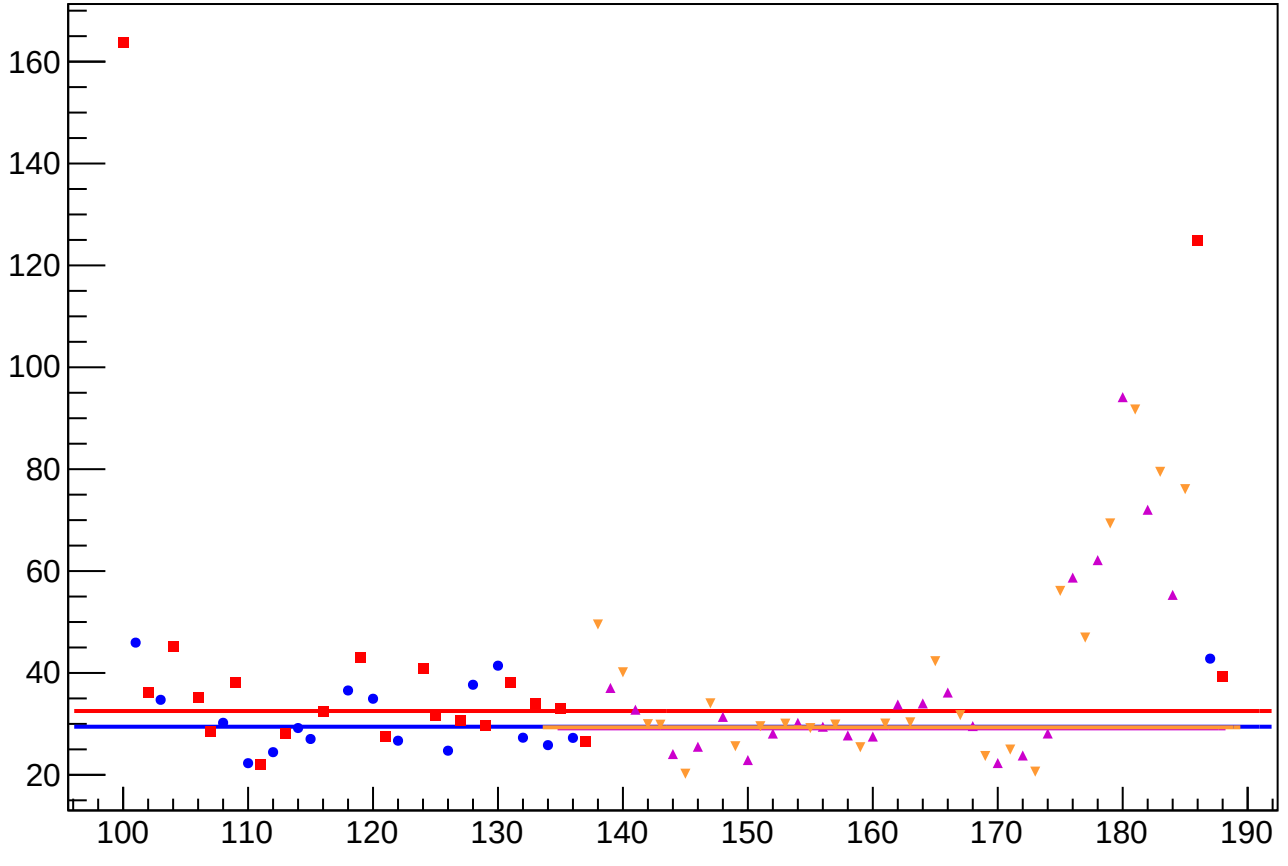
Right: -0.016+/-0.008 χ^2/NDF: 42.1/37

In: -0.012+/-0.006 χ^2/NDF:38.4/39

Out: 0.014+/-0.006 χ^2/NDF:49.5/45

All: 0.001+/-0.004 χ^2/NDF: 97.2/85

asym_sam_37_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.447+/-0.008 χ^2/NDF: 596120.5/16

Left Out: 29.334+/-0.005 χ^2/NDF:3874839.0/24

Right Out: 32.531+/-0.008 χ^2/NDF: 1054879.0/20

Left In: 29.124+/-0.005 χ^2/NDF:2839078.4/22

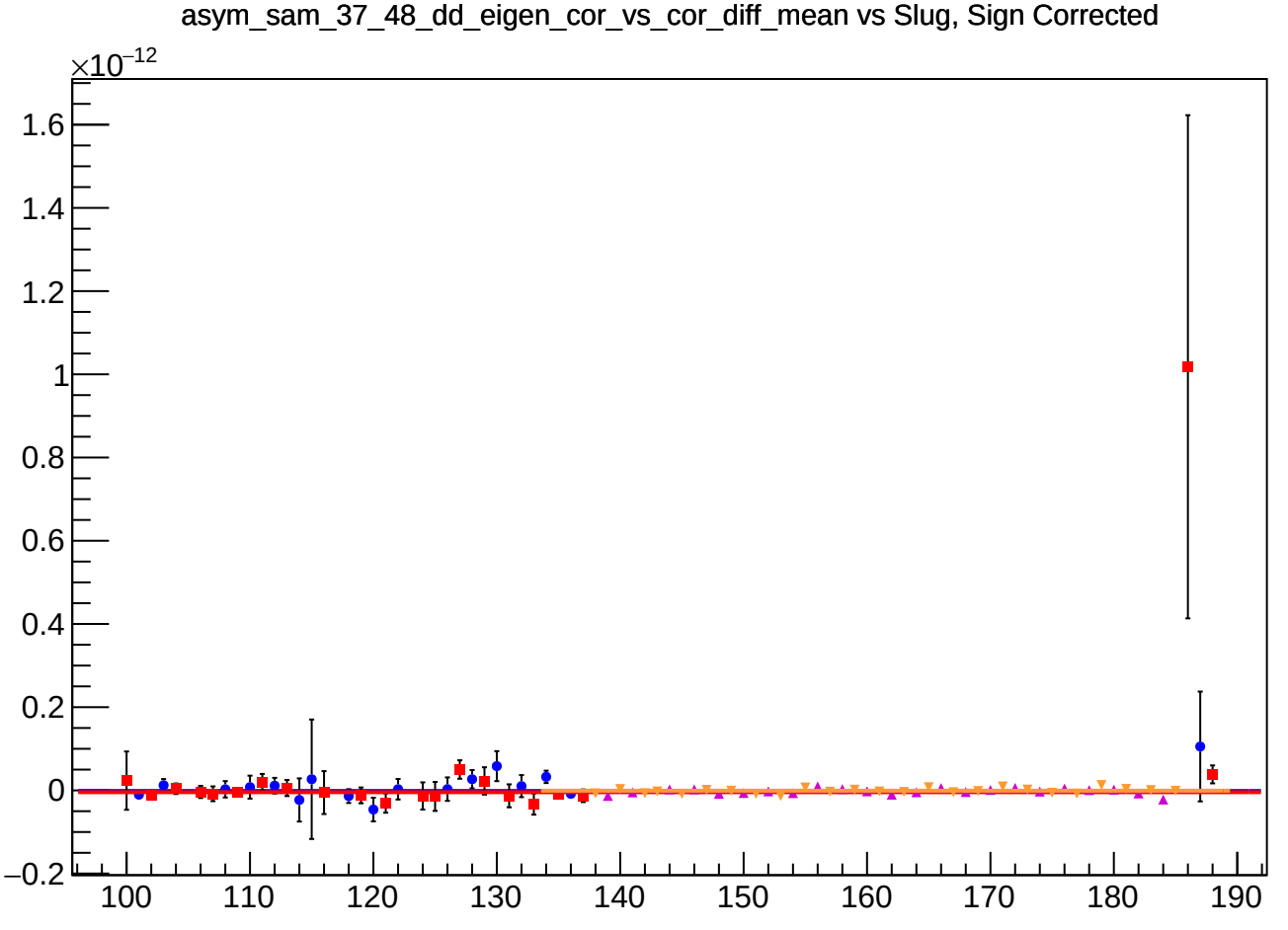
Left: 29.231+/-0.004 χ^2/NDF: 6714759.4/47

Right: 30.947+/-0.006 χ^2/NDF: 1723761.2/37

In: 29.220+/-0.004 χ^2/NDF:3436354.8/39

Out: 30.221+/-0.004 χ^2/NDF:5039712.0/45

All: 29.722+/-0.003 χ^2/NDF: 8502895.7/85



Right In: -0.000+/-0.000 χ^2/NDF: 17.6/16

Left Out: -0.000+/-0.000 χ^2/NDF:15.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 20.2/20

Left In: -0.000+/-0.000 χ^2/NDF:16.5/22

Left: -0.000+/-0.000 χ^2/NDF: 31.8/47

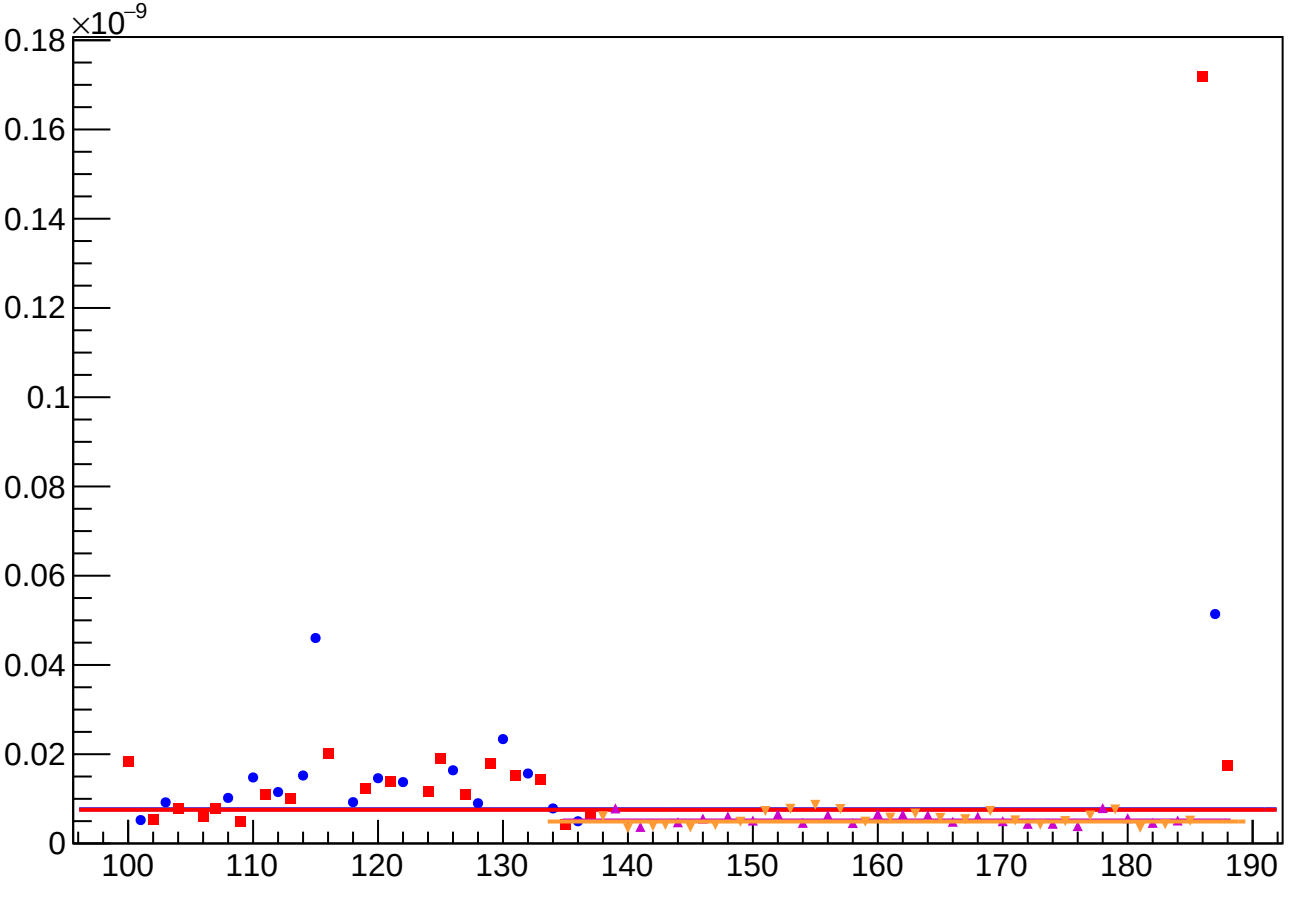
Right: -0.000+/-0.000 χ^2/NDF: 38.2/37

In: -0.000+/-0.000 χ^2/NDF:34.1/39

Out: -0.000+/-0.000 χ^2/NDF:36.2/45

All: -0.000+/-0.000 χ^2/NDF: 70.3/85

asym_sam_37_48_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2241457.5/16

Left Out: 0.000+/-0.000 χ^2/NDF:1871499.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2573805.8/20

Left In: 0.000+/-0.000 χ^2/NDF:976775.4/22

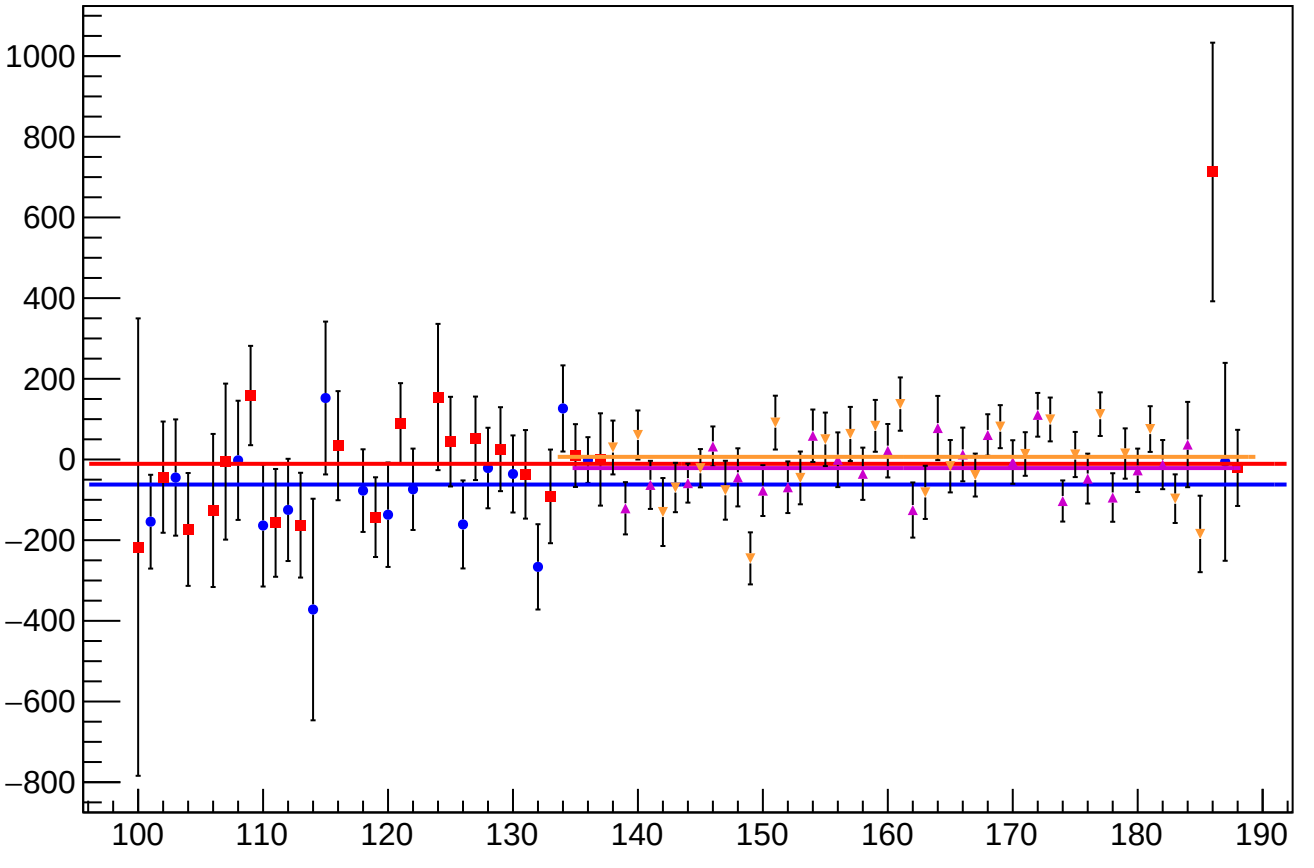
Left: 0.000+/-0.000 χ^2/NDF: 2874002.6/47

Right: 0.000+/-0.000 χ^2/NDF: 4816070.6/37

In: 0.000+/-0.000 χ^2/NDF:3967504.2/39

Out: 0.000+/-0.000 χ^2/NDF:5373020.4/45

All: 0.000+/-0.000 χ^2/NDF: 9364460.3/85



Right In: -62.105+/-27.047 χ^2/NDF: 13.5/16

Left Out: 6.523+/-12.287 χ^2/NDF:50.6/24

Right Out: -10.737+/-26.549 χ^2/NDF: 16.6/20

Left In: -21.336+/-12.649 χ^2/NDF:25.4/22

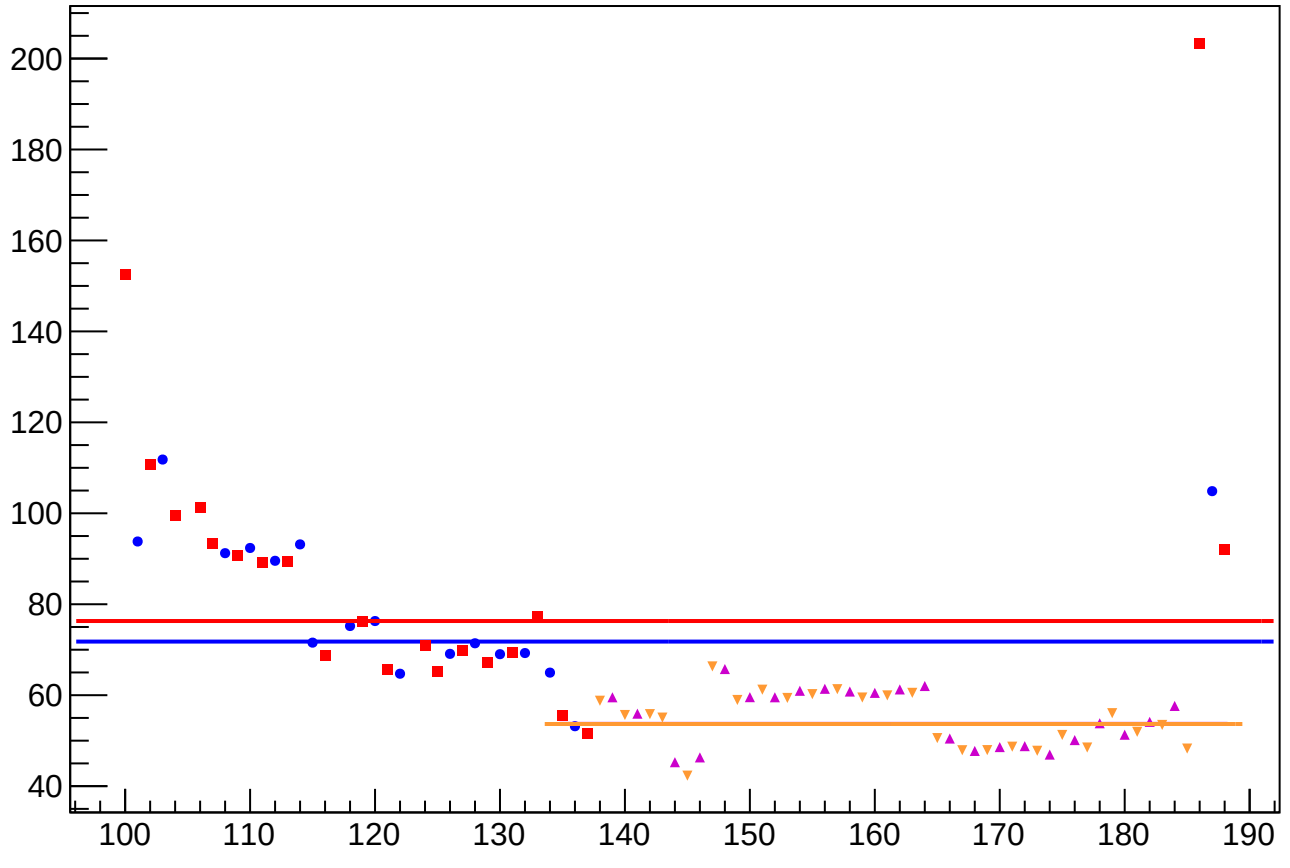
Left: -7.002+/-8.814 χ^2/NDF: 78.5/47

Right: -35.943+/-18.947 χ^2/NDF: 32.0/37

In: -28.652+/-11.458 χ^2/NDF:40.8/39

Out: 3.478+/-11.151 χ^2/NDF:67.5/45

All: -12.150+/-7.991 χ^2/NDF: 112.4/85



Right In: 71.790+/-0.019 χ^2/NDF: 627728.9/16

Left Out: 53.666+/-0.009 χ^2/NDF:472206.8/24

Right Out: 76.312+/-0.019 χ^2/NDF: 1021879.9/20

Left In: 53.695+/-0.009 χ^2/NDF:471343.7/22

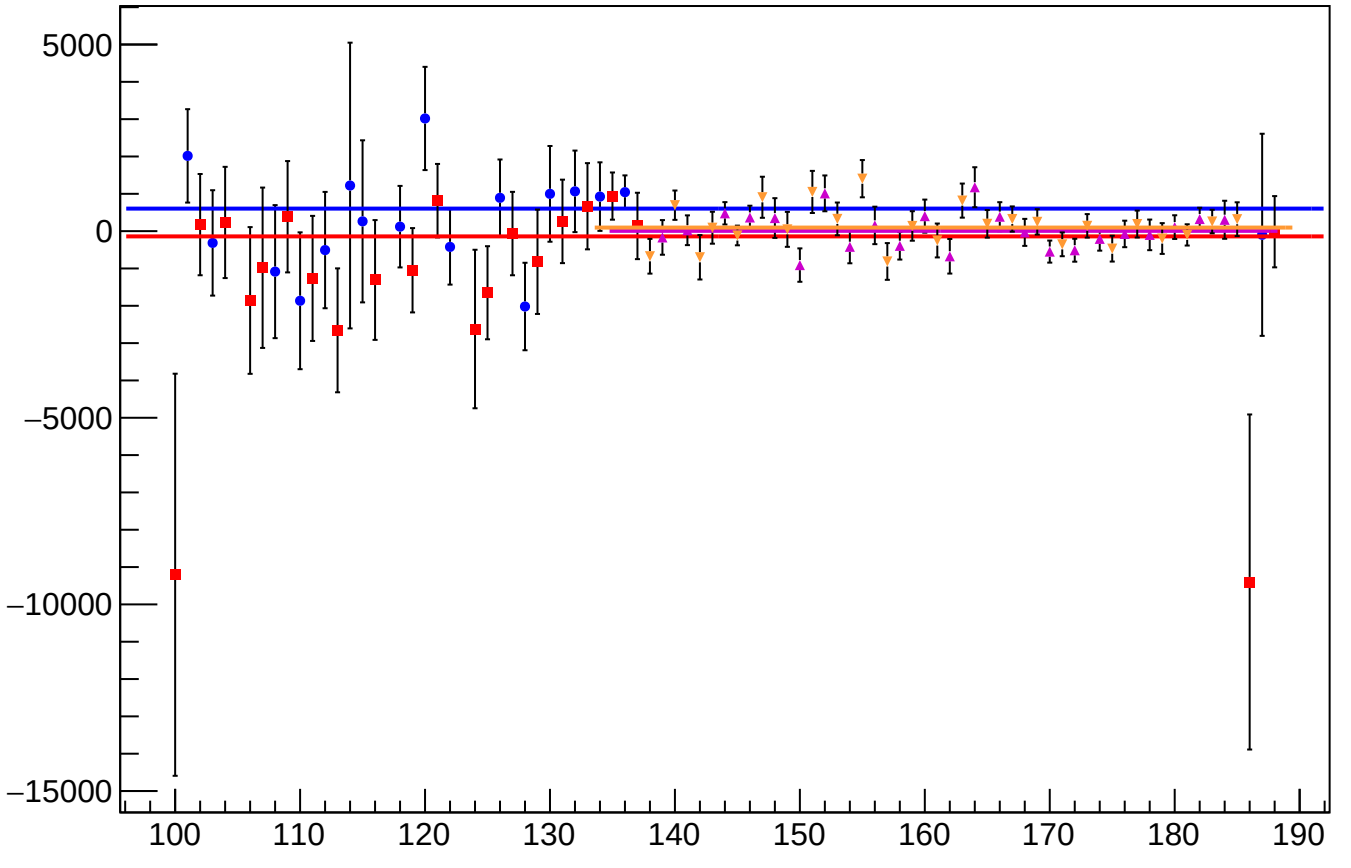
Left: 53.680+/-0.006 χ^2/NDF: 943555.9/47

Right: 74.093+/-0.013 χ^2/NDF: 1678071.4/37

In: 56.942+/-0.008 χ^2/NDF:1833647.4/39

Out: 57.661+/-0.008 χ^2/NDF:2692557.6/45

All: 57.311+/-0.006 χ^2/NDF: 4530242.1/85



Right In: 603.743+/-265.516 χ^2/NDF: 15.8/16

Left Out: 95.456+/-77.134 χ^2/NDF:33.2/24

Right Out: -140.681+/-271.981 χ^2/NDF: 19.8/20

Left In: 7.879+/-79.125 χ^2/NDF:32.3/22

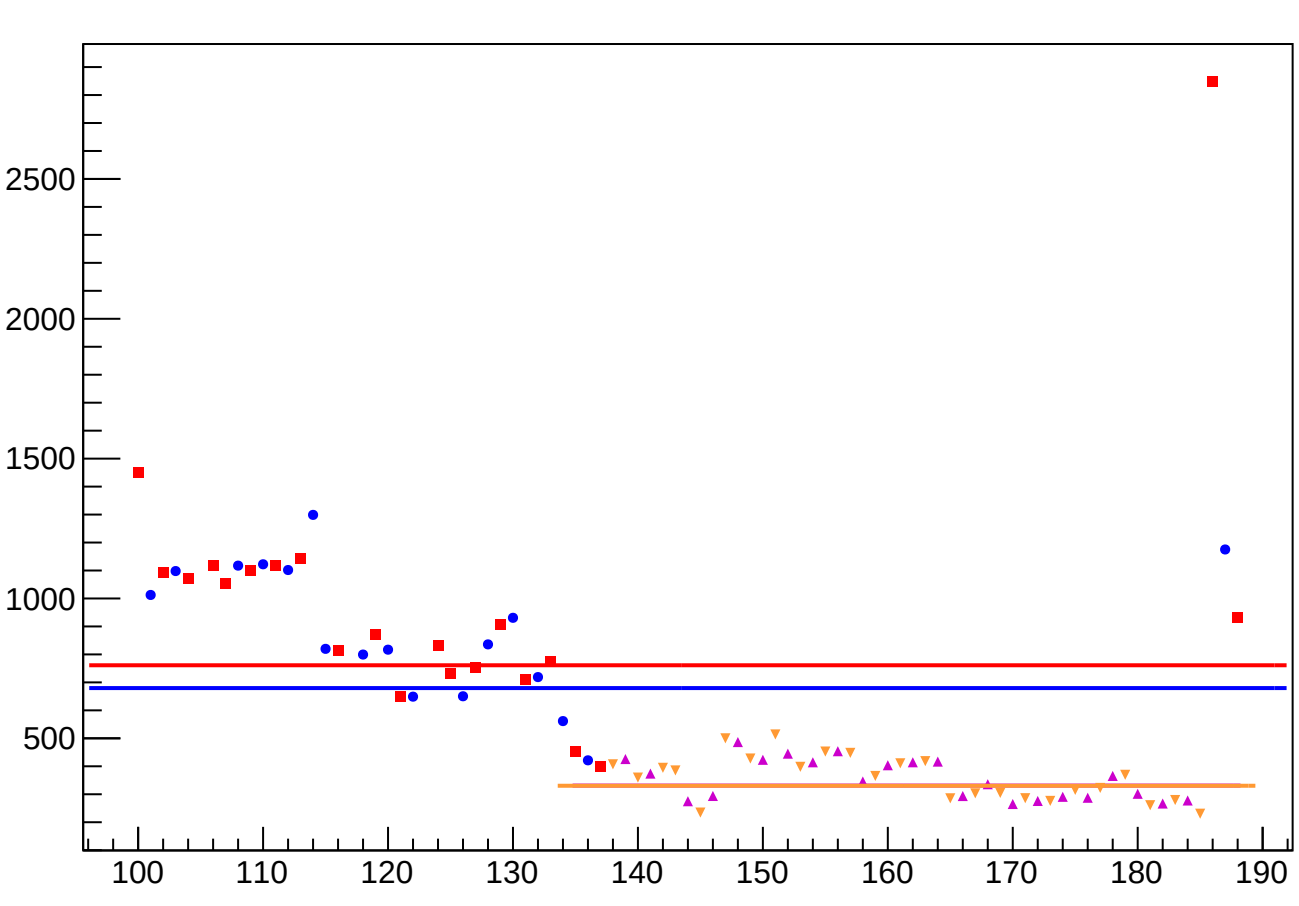
Left: 52.783+/-55.233 χ^2/NDF: 66.1/47

Right: 240.484+/-189.993 χ^2/NDF: 39.4/37

In: 56.480+/-75.830 χ^2/NDF:52.7/39

Out: 77.878+/-74.208 χ^2/NDF:53.7/45

All: 67.410+/-53.037 χ^2/NDF: 106.5/85



Right In: 679.643+/-0.188 χ^2/NDF: 1685255.8/16

Left Out: 330.405+/-0.055 χ^2/NDF:1752470.5/24

Right Out: 761.199+/-0.192 χ^2/NDF: 2026882.4/20

Left In: 331.059+/-0.056 χ^2/NDF:1325602.5/22

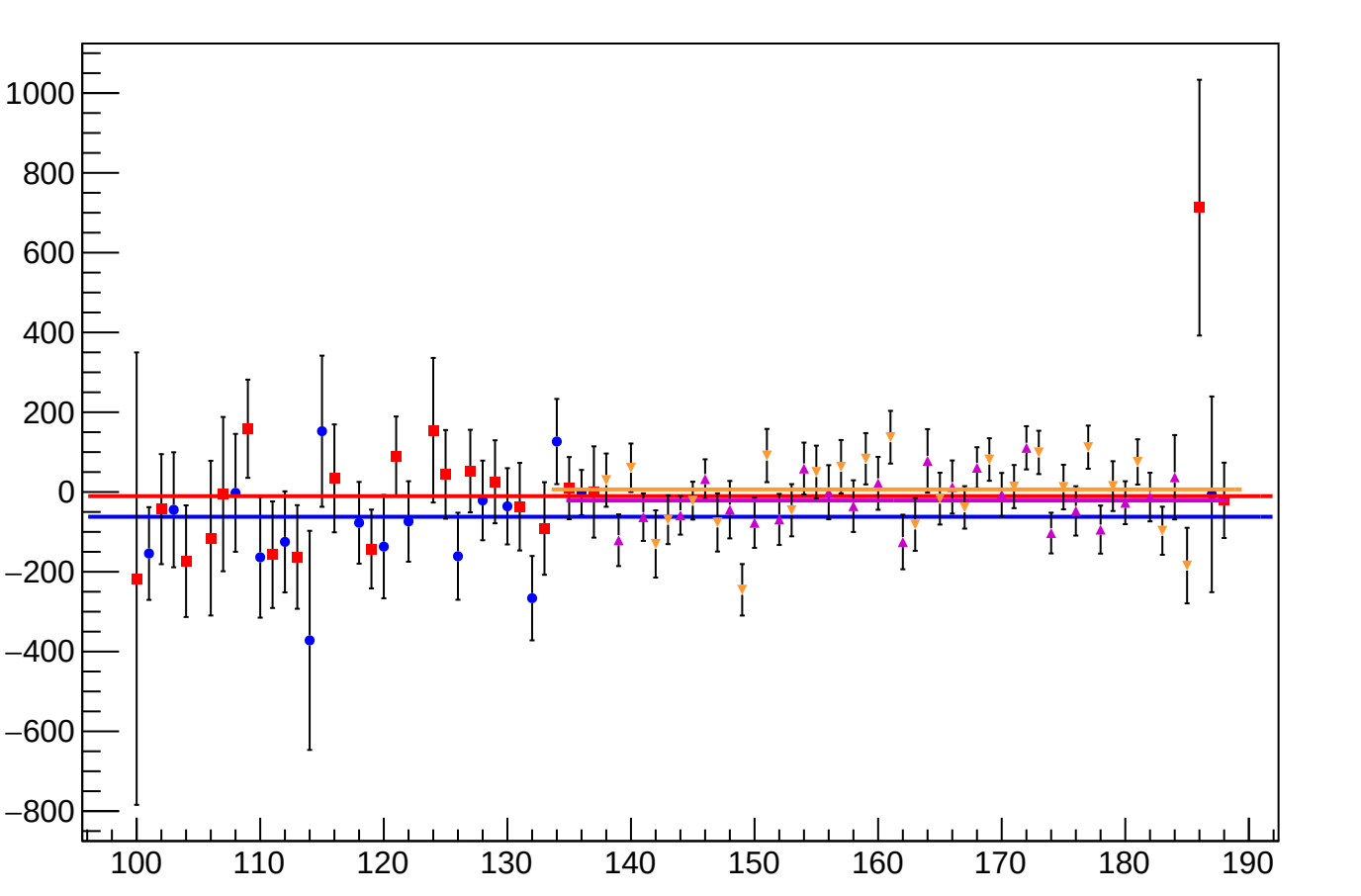
Left: 330.724+/-0.039 χ^2/NDF: 3078142.9/47

Right: 719.440+/-0.134 χ^2/NDF: 3804218.4/37

In: 359.491+/-0.054 χ^2/NDF:6176872.2/39

Out: 362.475+/-0.052 χ^2/NDF:8423399.2/45

All: 361.015+/-0.038 χ^2/NDF: 14601853.6/85



Right In: -62.096+/-27.047 χ^2/NDF: 13.5/16

Left Out: 6.526+/-12.287 χ^2/NDF:50.6/24

Right Out: -10.407+/-26.561 χ^2/NDF: 16.5/20

Left In: -21.335+/-12.649 χ^2/NDF:25.4/22

Left: -7.000+/-8.814 χ^2/NDF: 78.5/47

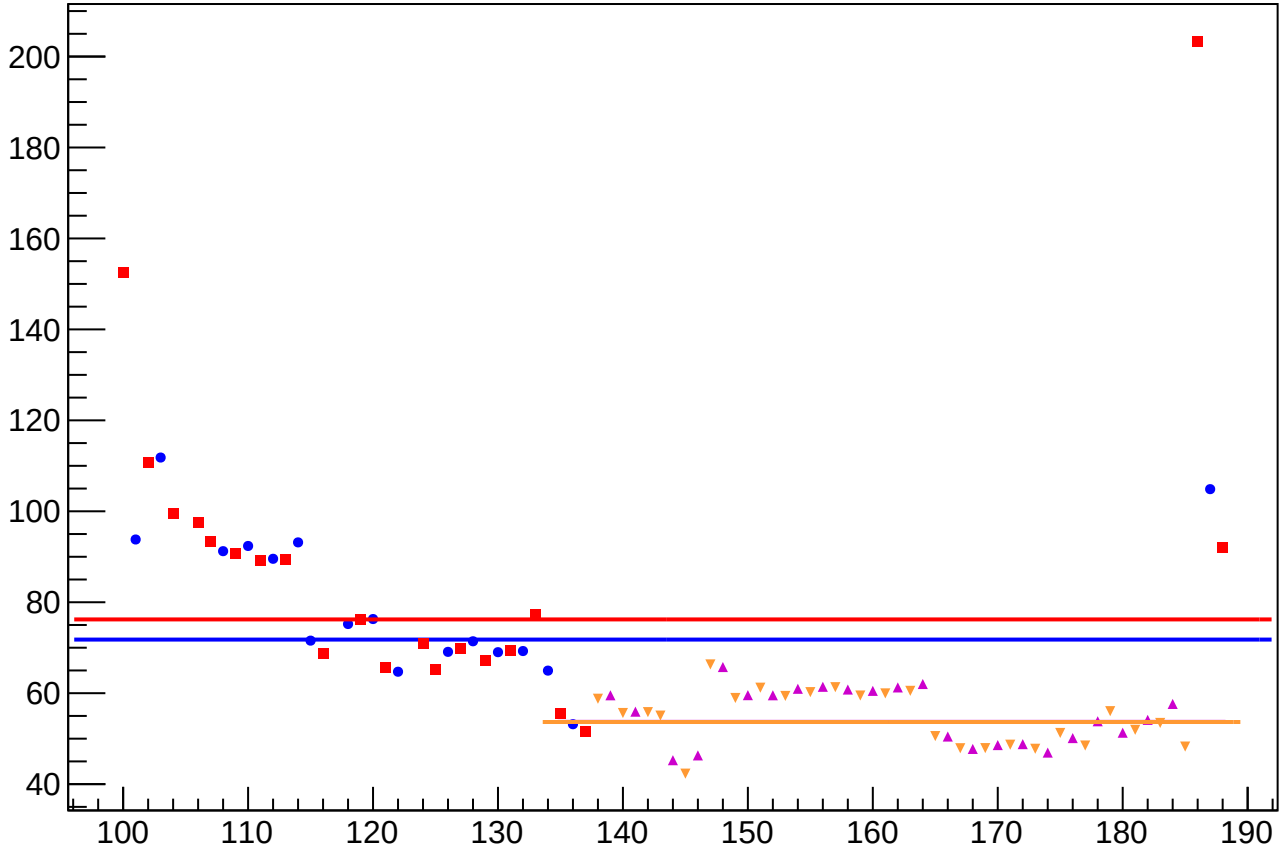
Right: -35.782+/-18.951 χ^2/NDF: 31.9/37

In: -28.650+/-11.458 χ^2/NDF:40.8/39

Out: 3.541+/-11.152 χ^2/NDF:67.4/45

All: -12.118+/-7.992 χ^2/NDF: 112.3/85

cor_asym_sam_15_26_dd_rms vs Slug, Sign Corrected



Right In: 71.790+/-0.019 χ^2/NDF: 627731.3/16

Left Out: 53.666+/-0.009 χ^2/NDF:472206.8/24

Right Out: 76.222+/-0.019 χ^2/NDF: 1011636.8/20

Left In: 53.695+/-0.009 χ^2/NDF:471343.7/22

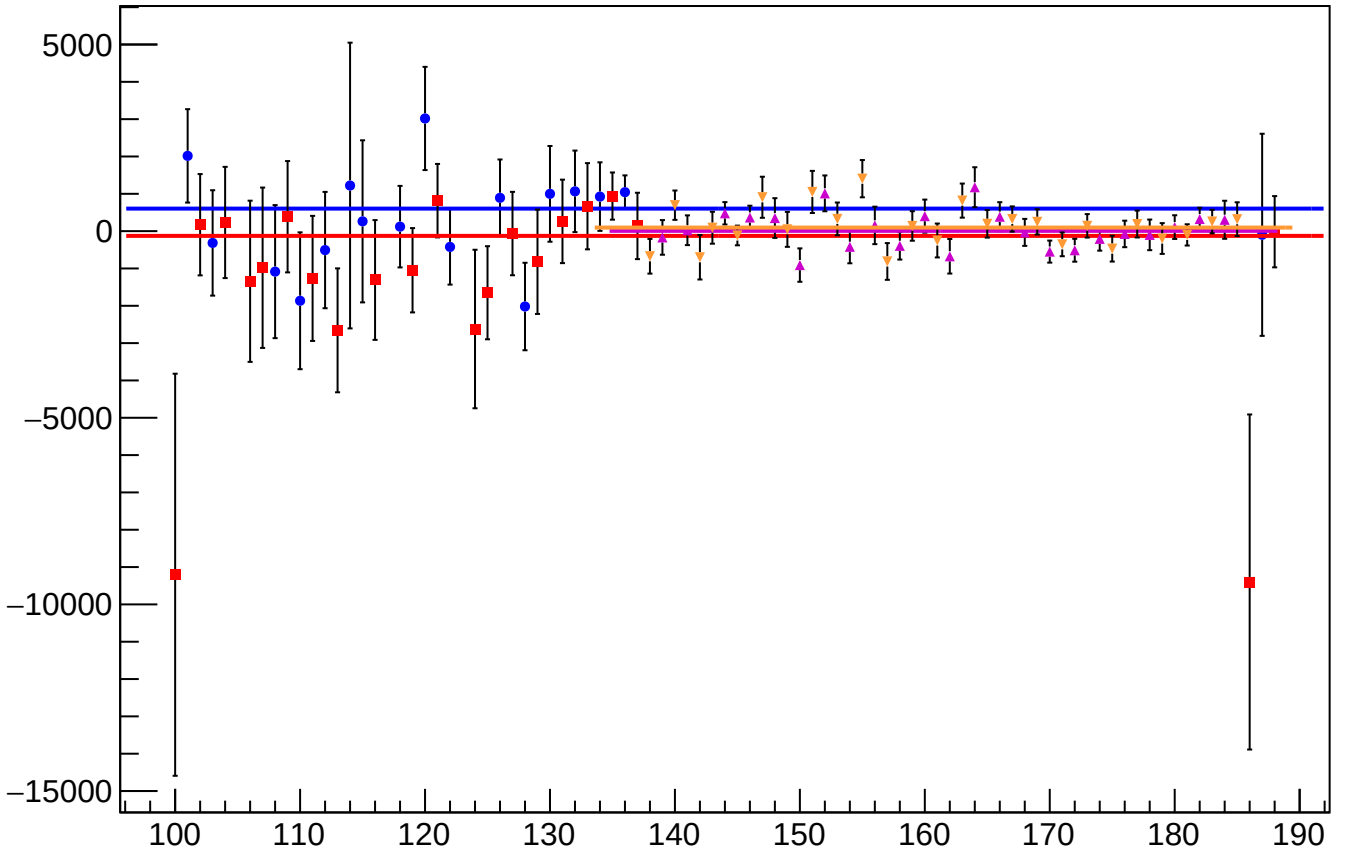
Left: 53.680+/-0.006 χ^2/NDF: 943555.9/47

Right: 74.047+/-0.013 χ^2/NDF: 1666707.8/37

In: 56.942+/-0.008 χ^2/NDF:1833650.0/39

Out: 57.642+/-0.008 χ^2/NDF:2672044.9/45

All: 57.302+/-0.006 χ^2/NDF: 4509525.5/85



Right In: 603.732+/-265.516 χ^2/NDF: 15.8/16

Left Out: 95.458+/-77.134 χ^2/NDF:33.2/24

Right Out: -126.975+/-272.435 χ^2/NDF: 19.4/20

Left In: 7.875+/-79.125 χ^2/NDF:32.3/22

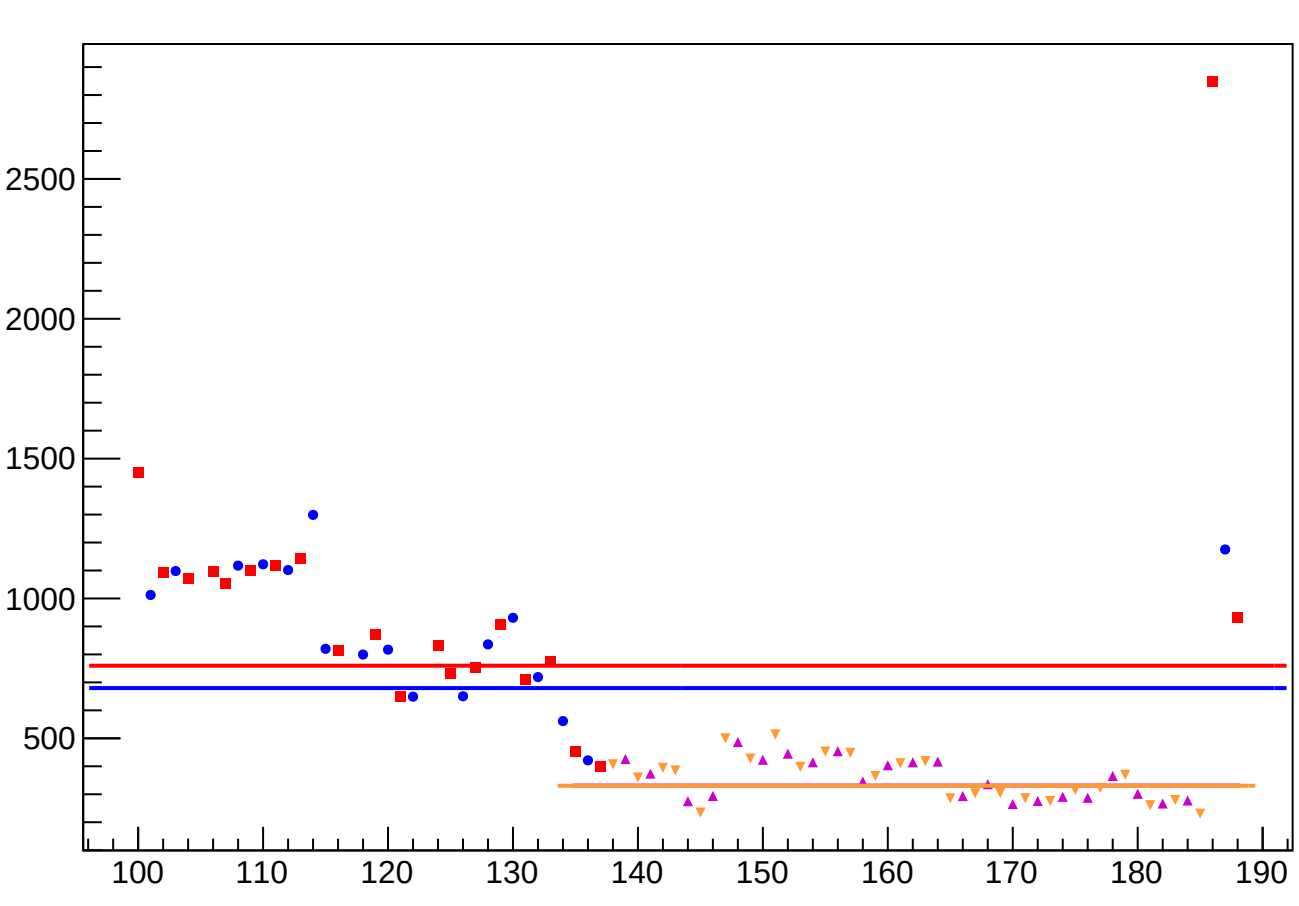
Left: 52.783+/-55.233 χ^2/NDF: 66.1/47

Right: 247.775+/-190.147 χ^2/NDF: 38.8/37

In: 56.476+/-75.830 χ^2/NDF:52.7/39

Out: 78.951+/-74.217 χ^2/NDF:53.2/45

All: 67.955+/-53.040 χ^2/NDF: 105.9/85



Right In: 679.643+/-0.188 χ^2/NDF: 1685281.0/16

Left Out: 330.405+/-0.055 χ^2/NDF:1752469.2/24

Right Out: 759.673+/-0.193 χ^2/NDF: 2009109.0/20

Left In: 331.058+/-0.056 χ^2/NDF:1325610.1/22

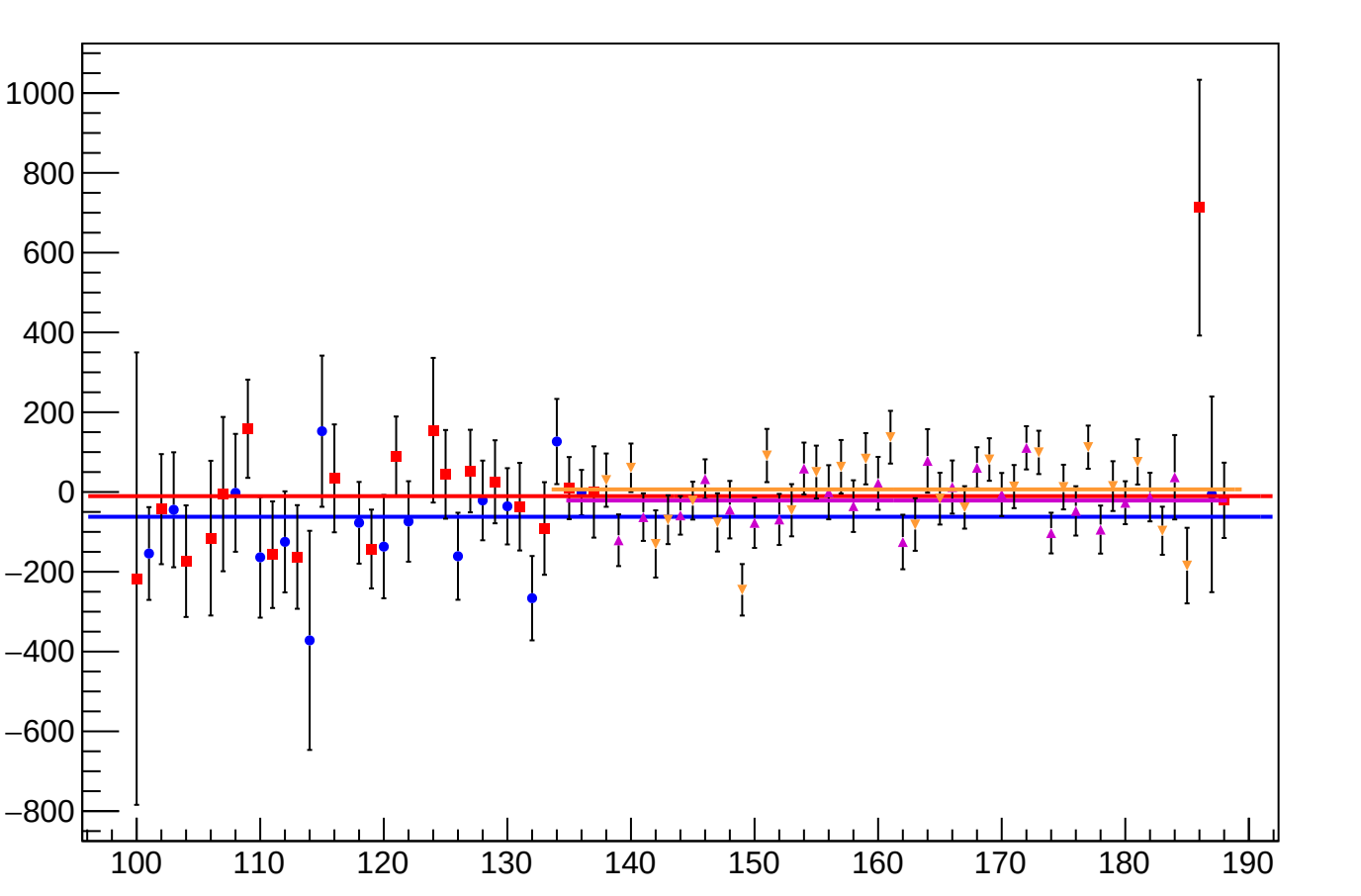
Left: 330.724+/-0.039 χ^2/NDF: 3078149.1/47

Right: 718.629+/-0.134 χ^2/NDF: 3782902.7/37

In: 359.490+/-0.054 χ^2/NDF:6176903.1/39

Out: 362.262+/-0.052 χ^2/NDF:8358537.1/45

All: 360.906+/-0.038 χ^2/NDF: 14536805.3/85



Right In: -62.096+/-27.047 χ^2/NDF: 13.5/16

Left Out: 6.526+/-12.287 χ^2/NDF:50.6/24

Right Out: -10.407+/-26.561 χ^2/NDF: 16.5/20

Left In: -21.335+/-12.649 χ^2/NDF:25.4/22

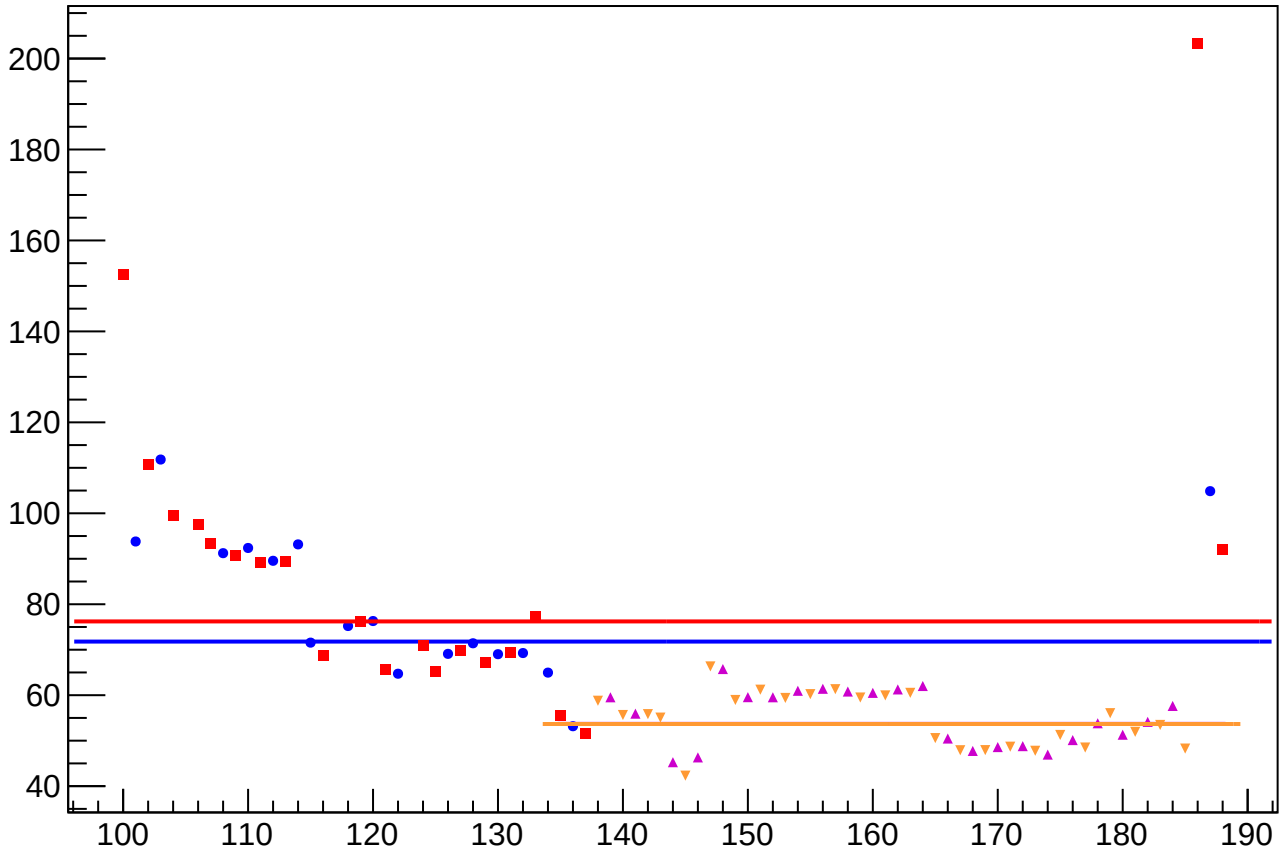
Left: -7.000+/-8.814 χ^2/NDF: 78.5/47

Right: -35.782+/-18.951 χ^2/NDF: 31.9/37

In: -28.650+/-11.458 χ^2/NDF:40.8/39

Out: 3.541+/-11.152 χ^2/NDF:67.4/45

All: -12.118+/-7.992 χ^2/NDF: 112.3/85



Right In: 71.790+/-0.019 χ^2/NDF: 627731.3/16

Left Out: 53.666+/-0.009 χ^2/NDF:472206.8/24

Right Out: 76.222+/-0.019 χ^2/NDF: 1011636.8/20

Left In: 53.695+/-0.009 χ^2/NDF:471343.7/22

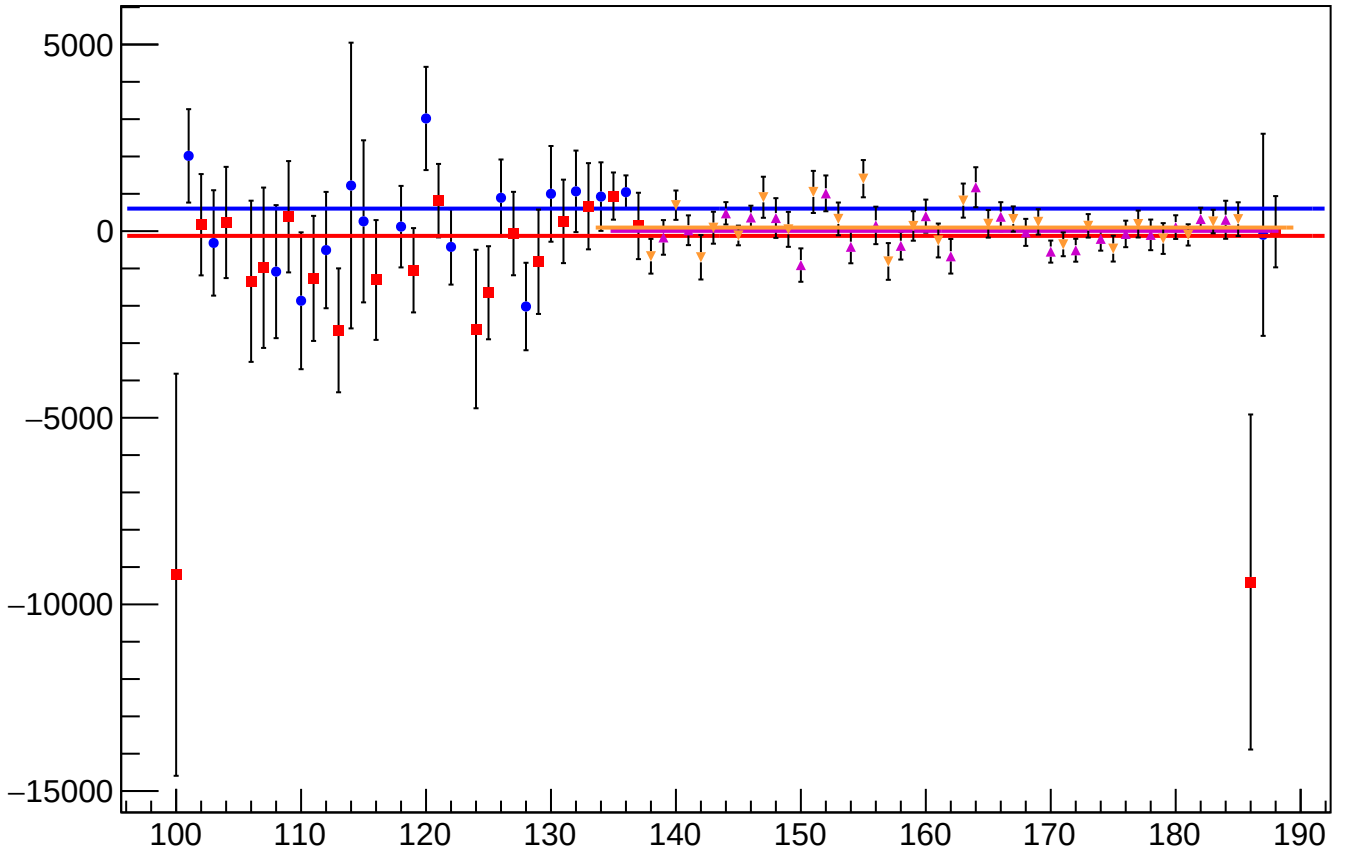
Left: 53.680+/-0.006 χ^2/NDF: 943555.9/47

Right: 74.047+/-0.013 χ^2/NDF: 1666707.8/37

In: 56.942+/-0.008 χ^2/NDF:1833650.0/39

Out: 57.642+/-0.008 χ^2/NDF:2672044.9/45

All: 57.302+/-0.006 χ^2/NDF: 4509525.5/85



Right In: 603.732+/-265.516 χ^2/NDF: 15.8/16

Left Out: 95.458+/-77.134 χ^2/NDF:33.2/24

Right Out: -126.975+/-272.435 χ^2/NDF: 19.4/20

Left In: 7.875+/-79.125 χ^2/NDF:32.3/22

Left: 52.783+/-55.233 χ^2/NDF: 66.1/47

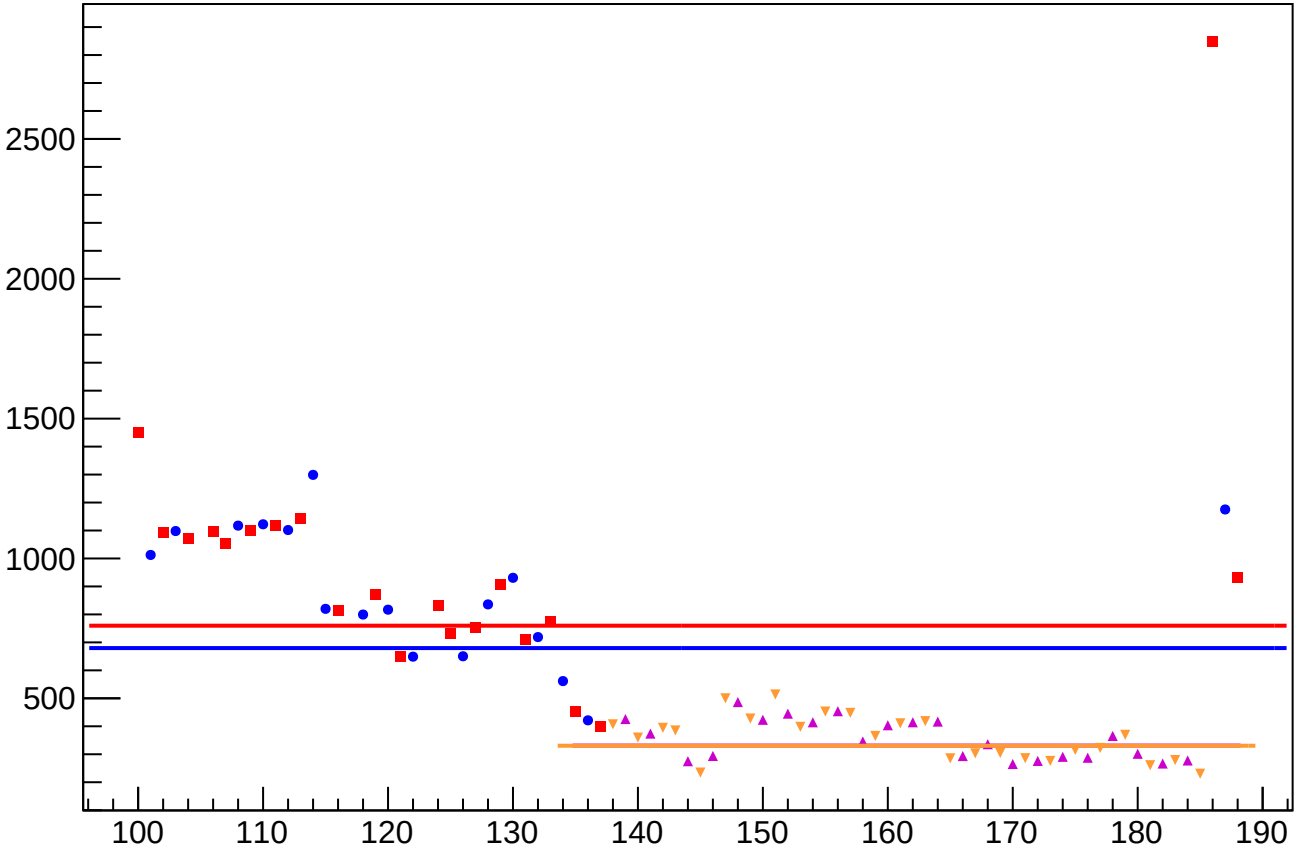
Right: 247.775+/-190.147 χ^2/NDF: 38.8/37

In: 56.476+/-75.830 χ^2/NDF:52.7/39

Out: 78.951+/-74.217 χ^2/NDF:53.2/45

All: 67.955+/-53.040 χ^2/NDF: 105.9/85

asym_sam_15_26_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 679.643+/-0.188 χ^2/NDF: 1685281.0/16

Left Out: 330.405+/-0.055 χ^2/NDF:1752469.2/24

Right Out: 759.673+/-0.193 χ^2/NDF: 2009109.0/20

Left In: 331.058+/-0.056 χ^2/NDF:1325610.1/22

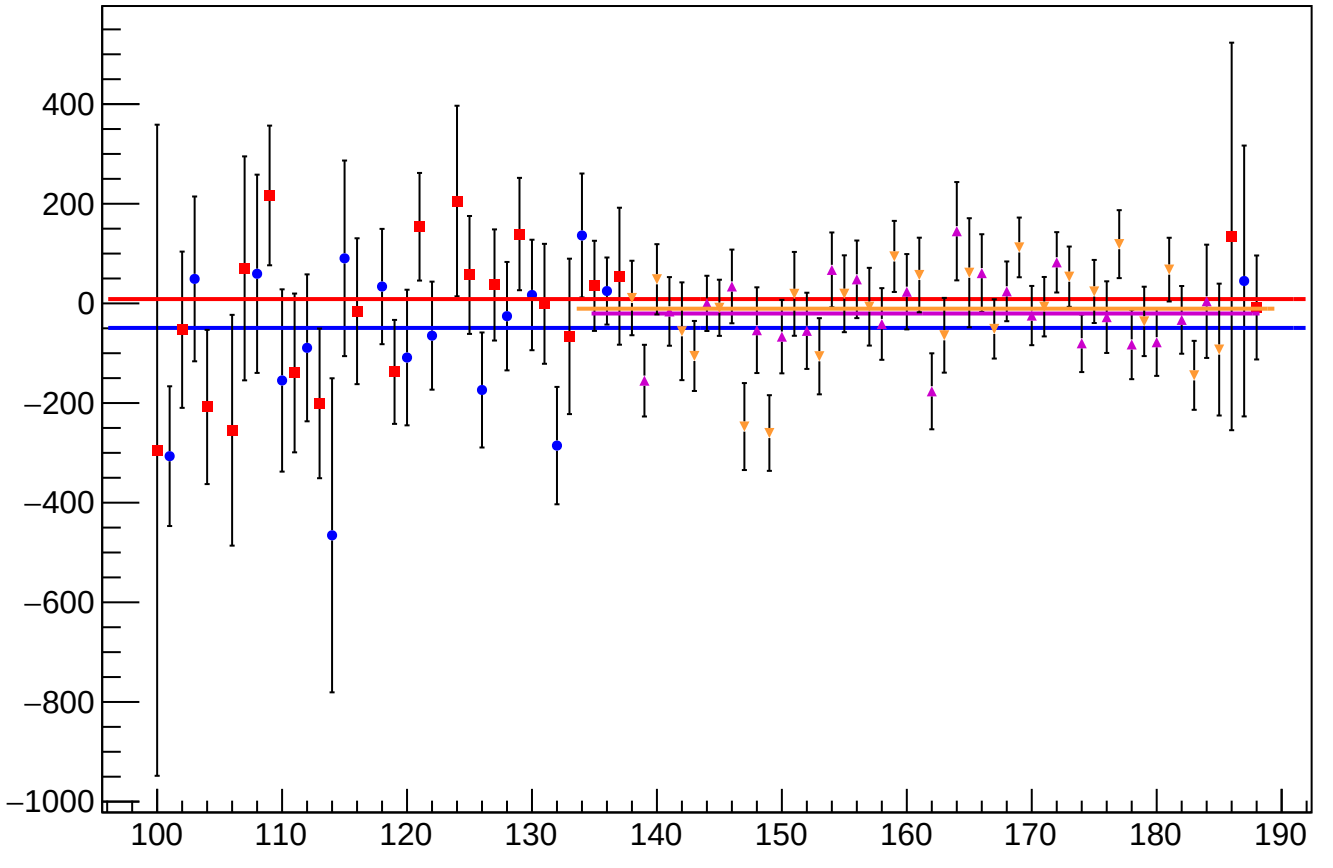
Left: 330.724+/-0.039 χ^2/NDF: 3078149.1/47

Right: 718.629+/-0.134 χ^2/NDF: 3782902.7/37

In: 359.490+/-0.054 χ^2/NDF:6176903.1/39

Out: 362.262+/-0.052 χ^2/NDF:8358537.1/45

All: 360.906+/-0.038 χ^2/NDF: 14536805.3/85



Right In: -49.235+/-30.860 χ^2/NDF: 16.5/16

Left Out: -10.614+/-14.311 χ^2/NDF:42.2/24

Right Out: 8.680+/-29.835 χ^2/NDF: 15.7/20

Left In: -20.306+/-14.750 χ^2/NDF:21.7/22

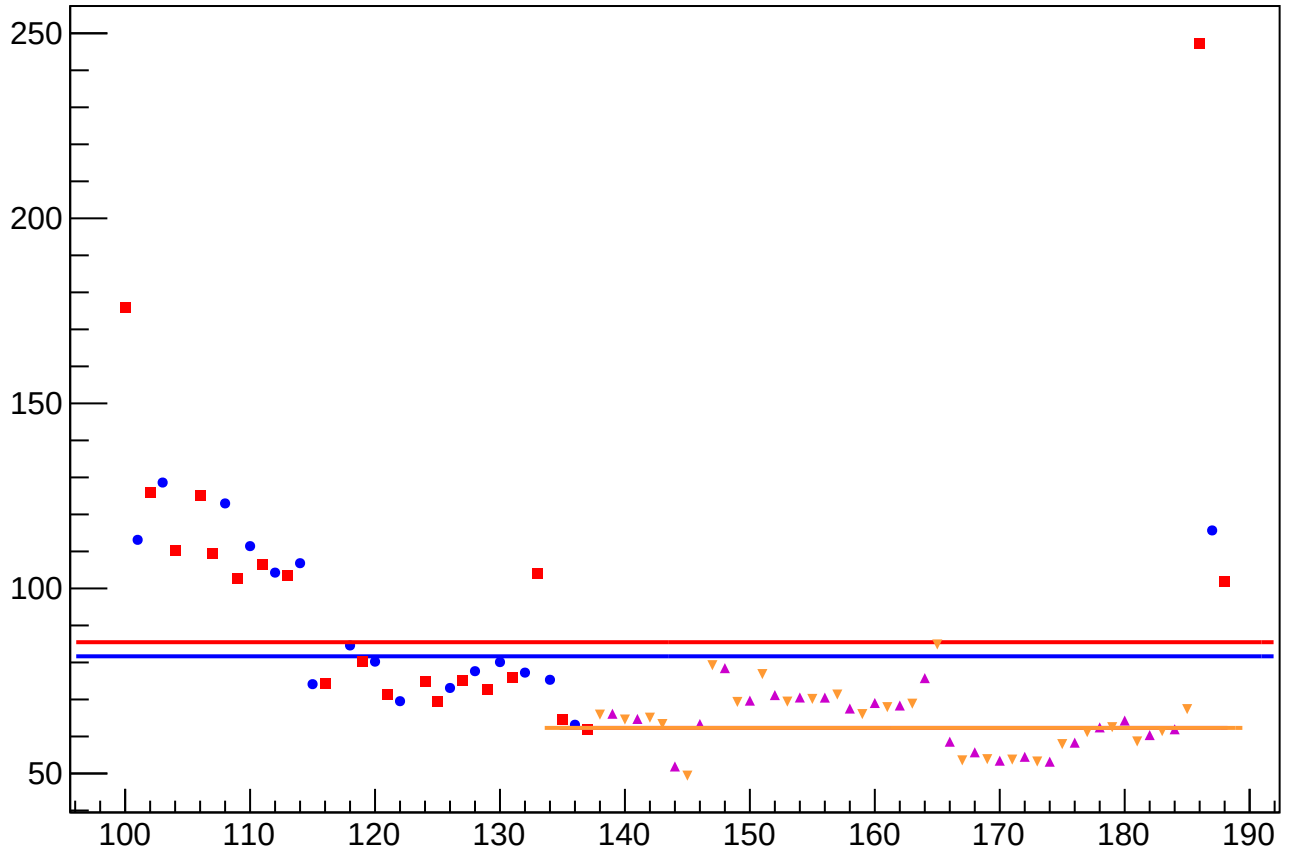
Left: -15.313+/-10.271 χ^2/NDF: 64.1/47

Right: -19.299+/-21.450 χ^2/NDF: 34.1/37

In: -25.686+/-13.308 χ^2/NDF:38.9/39

Out: -7.005+/-12.903 χ^2/NDF:58.2/45

All: -16.057+/-9.264 χ^2/NDF: 98.2/85



Right In: 81.662+/-0.022 χ^2/NDF: 694597.4/16

Left Out: 62.316+/-0.010 χ^2/NDF:636269.1/24

Right Out: 85.473+/-0.021 χ^2/NDF: 1137757.5/20

Left In: 62.310+/-0.010 χ^2/NDF:484549.5/22

Left: 62.313+/-0.007 χ^2/NDF: 1120818.8/47

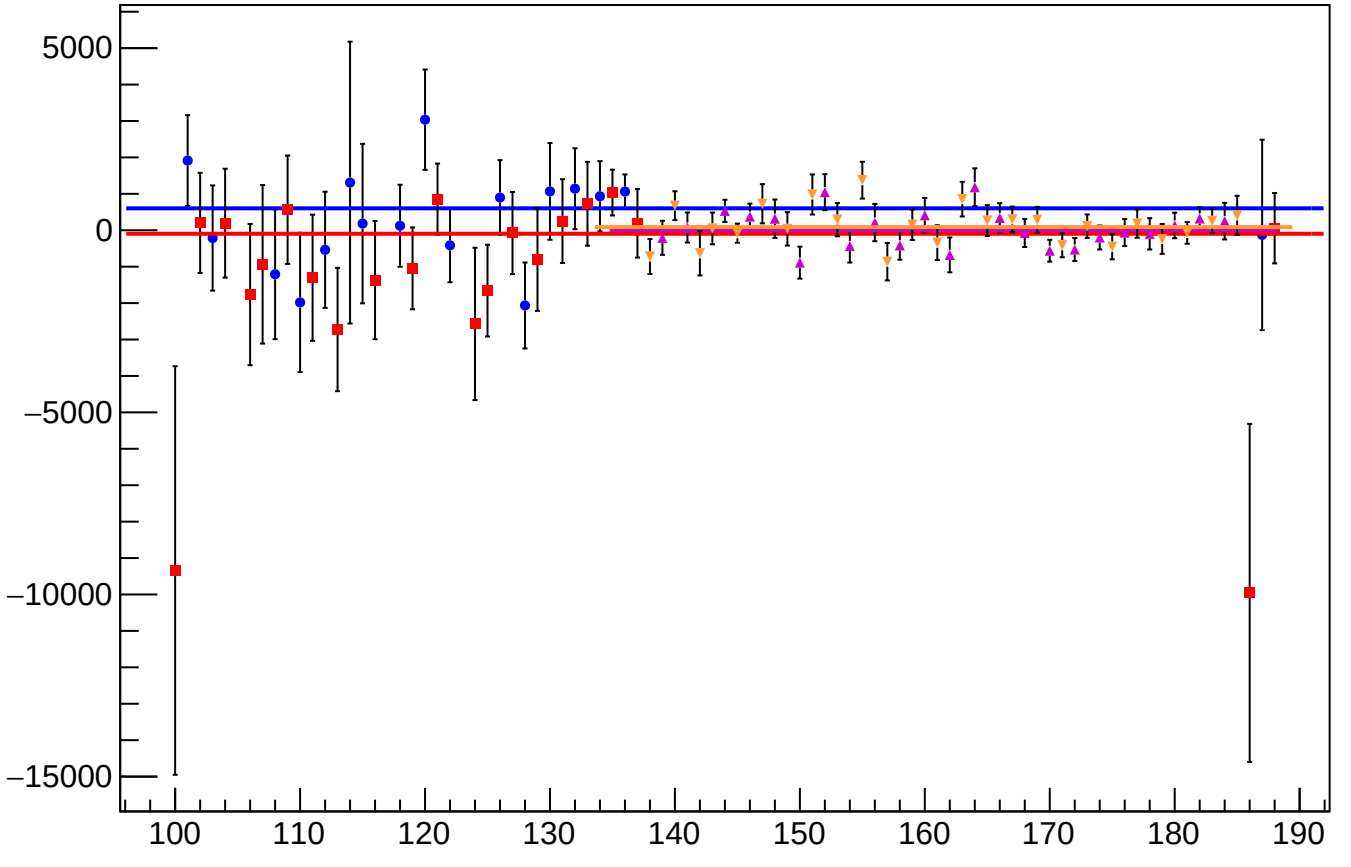
Right: 83.632+/-0.015 χ^2/NDF: 1848122.3/37

In: 65.909+/-0.009 χ^2/NDF:1819343.5/39

Out: 66.648+/-0.009 χ^2/NDF:2753568.6/45

All: 66.290+/-0.007 χ^2/NDF: 4576087.6/85

asym_sam_15_26_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 602.357+/-272.489 χ^2/NDF: 15.9/16

Left Out: 86.985+/-79.837 χ^2/NDF:31.7/24

Right Out: -96.437+/-274.496 χ^2/NDF: 20.7/20

Left In: 6.497+/-82.111 χ^2/NDF:32.4/22

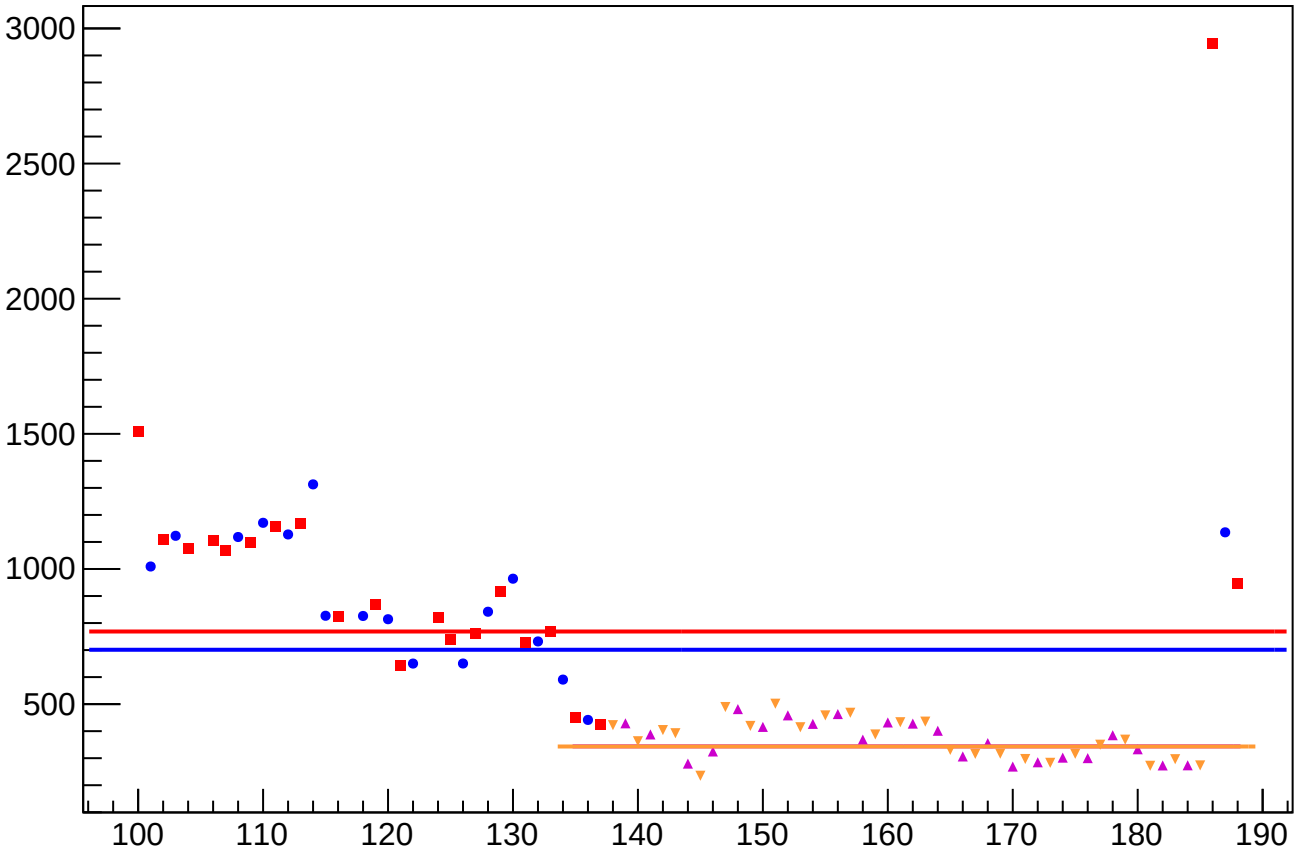
Left: 47.871+/-57.240 χ^2/NDF: 64.6/47

Right: 255.524+/-193.385 χ^2/NDF: 39.9/37

In: 56.099+/-78.619 χ^2/NDF:52.7/39

Out: 72.679+/-76.660 χ^2/NDF:52.8/45

All: 64.598+/-54.886 χ^2/NDF: 105.5/85



Right In: 701.144+/-0.193 χ^2/NDF: 1571341.3/16

Left Out: 343.225+/-0.056 χ^2/NDF:1595394.3/24

Right Out: 768.700+/-0.194 χ^2/NDF: 2017736.8/20

Left In: 343.717+/-0.058 χ^2/NDF:1258376.8/22

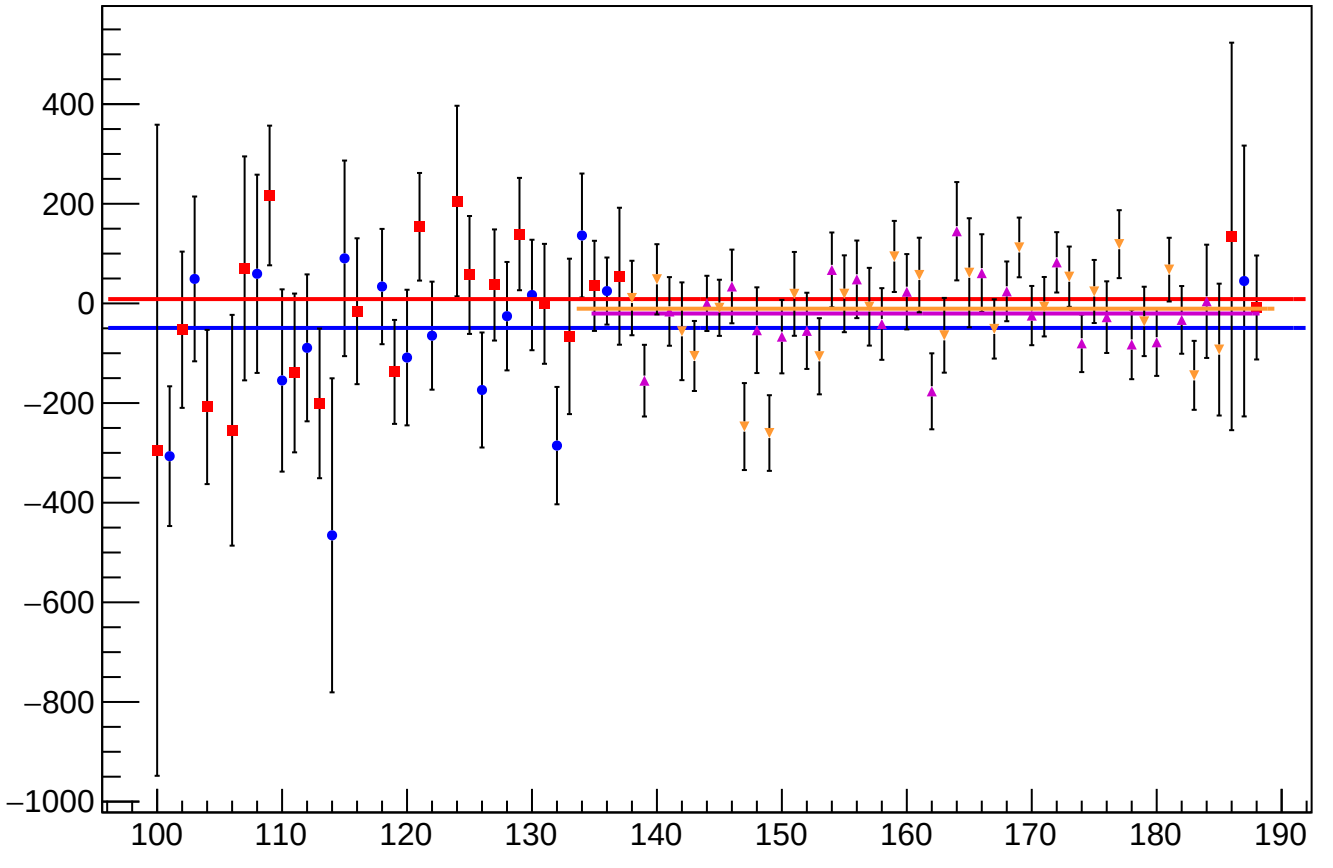
Left: 343.464+/-0.040 χ^2/NDF: 2853808.0/47

Right: 734.674+/-0.137 χ^2/NDF: 3650092.5/37

In: 373.471+/-0.056 χ^2/NDF:5984428.8/39

Out: 376.410+/-0.054 χ^2/NDF:8043501.1/45

All: 374.977+/-0.039 χ^2/NDF: 14029362.8/85



Right In: -49.235+/-30.860 χ^2/NDF: 16.5/16

Left Out: -10.613+/-14.311 χ^2/NDF:42.2/24

Right Out: 8.680+/-29.835 χ^2/NDF: 15.7/20

Left In: -20.306+/-14.750 χ^2/NDF:21.7/22

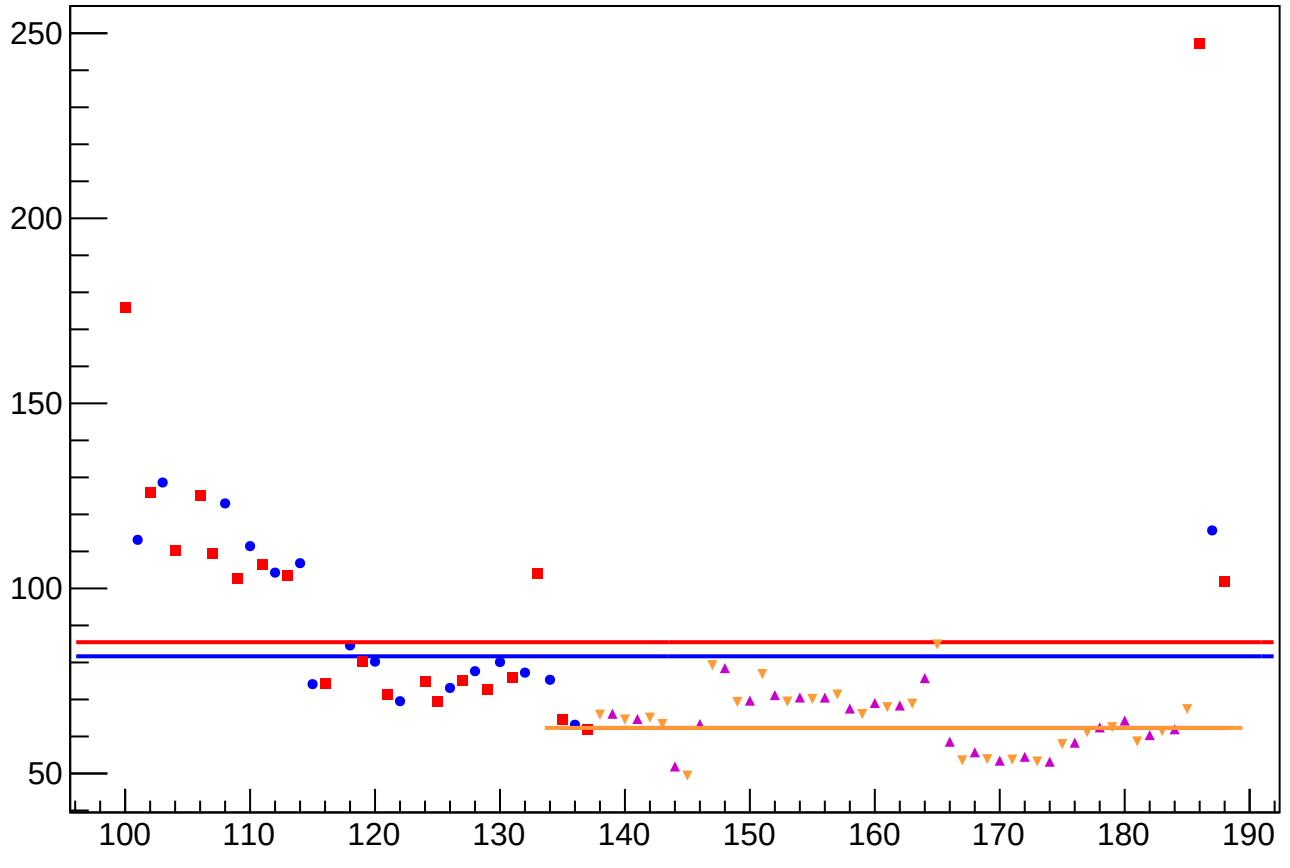
Left: -15.313+/-10.271 χ^2/NDF: 64.1/47

Right: -19.299+/-21.450 χ^2/NDF: 34.1/37

In: -25.686+/-13.308 χ^2/NDF:38.9/39

Out: -7.004+/-12.903 χ^2/NDF:58.2/45

All: -16.056+/-9.264 χ^2/NDF: 98.2/85



Right In: 81.662+/-0.022 χ^2/NDF: 694586.8/16

Left Out: 62.316+/-0.010 χ^2/NDF:636268.2/24

Right Out: 85.473+/-0.021 χ^2/NDF: 1137737.4/20

Left In: 62.311+/-0.010 χ^2/NDF:484544.3/22

Left: 62.314+/-0.007 χ^2/NDF: 1120812.6/47

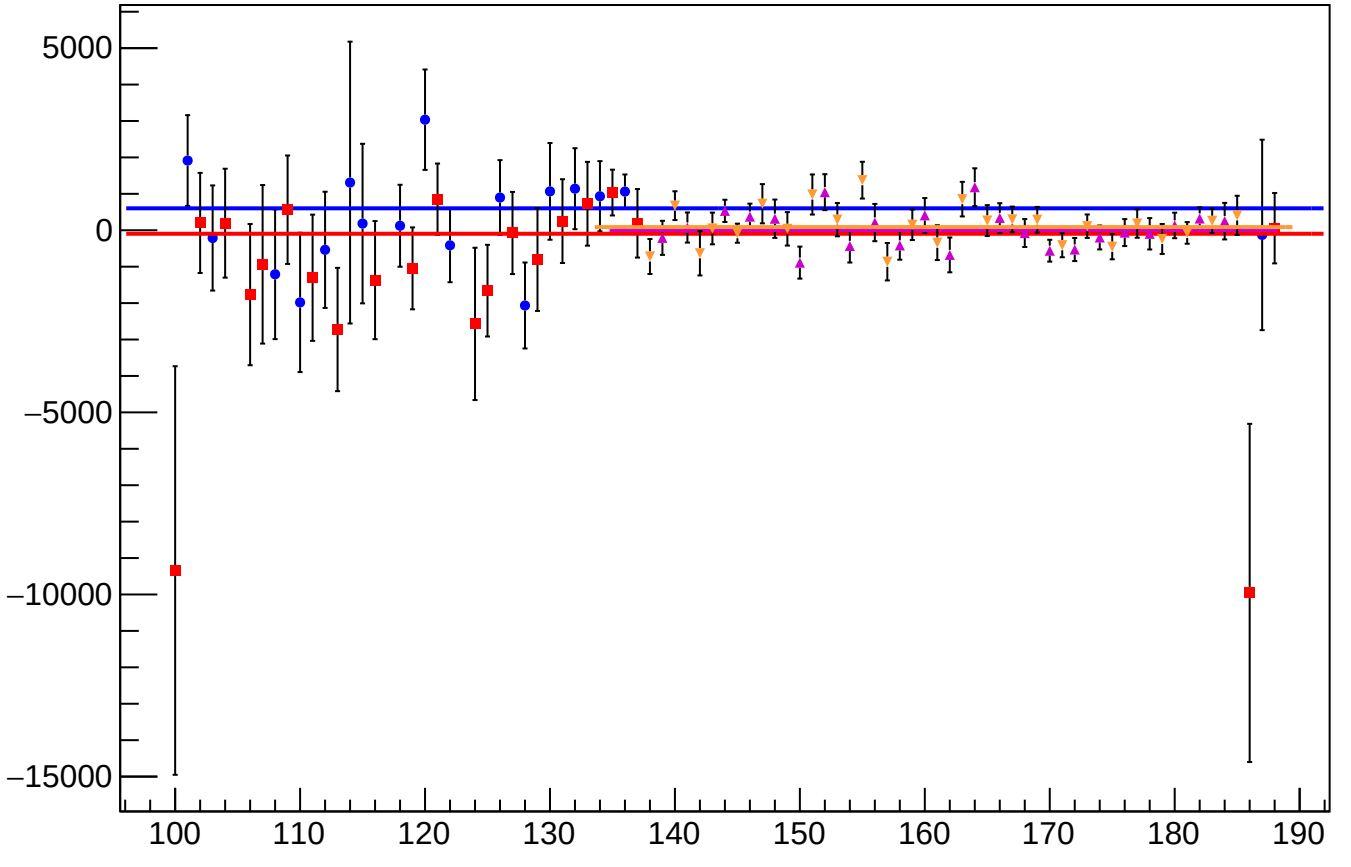
Right: 83.632+/-0.015 χ^2/NDF: 1848093.5/37

In: 65.909+/-0.009 χ^2/NDF:1819289.0/39

Out: 66.648+/-0.009 χ^2/NDF:2753525.3/45

All: 66.290+/-0.007 χ^2/NDF: 4575989.1/85

asym_sam_15_26_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 602.356+/-272.489 χ^2/NDF: 15.9/16

Left Out: 86.985+/-79.837 χ^2/NDF:31.7/24

Right Out: -96.438+/-274.495 χ^2/NDF: 20.7/20

Left In: 6.497+/-82.111 χ^2/NDF:32.4/22

Left: 47.871+/-57.240 χ^2/NDF: 64.6/47

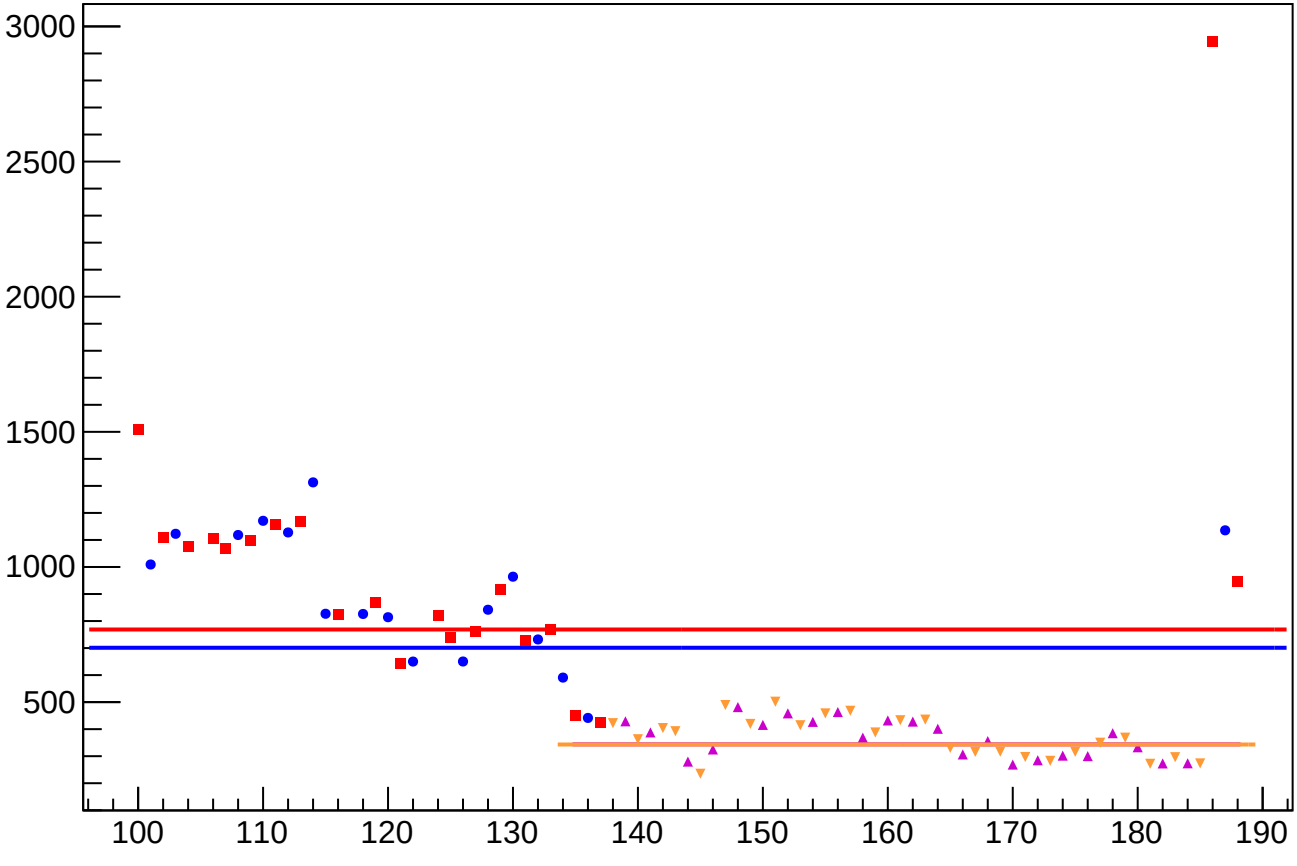
Right: 255.523+/-193.384 χ^2/NDF: 39.9/37

In: 56.099+/-78.619 χ^2/NDF:52.7/39

Out: 72.679+/-76.660 χ^2/NDF:52.8/45

All: 64.598+/-54.886 χ^2/NDF: 105.5/85

asym_sam_15_26_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 701.143+/-0.193 χ^2/NDF: 1571325.3/16

Left Out: 343.225+/-0.056 χ^2/NDF:1595415.4/24

Right Out: 768.699+/-0.194 χ^2/NDF: 2017725.2/20

Left In: 343.717+/-0.058 χ^2/NDF:1258392.0/22

Left: 343.464+/-0.040 χ^2/NDF: 2853844.3/47

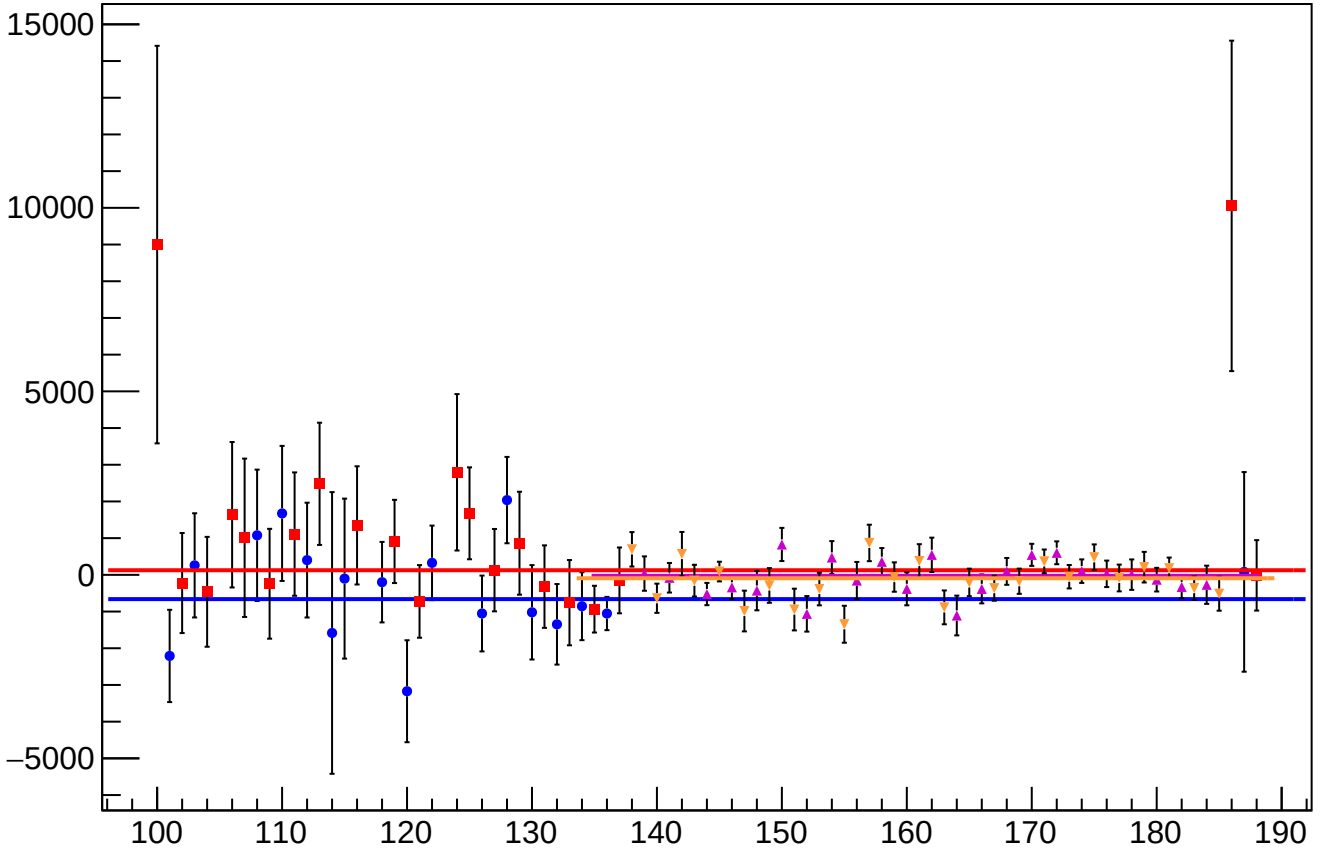
Right: 734.673+/-0.137 χ^2/NDF: 3650065.0/37

In: 373.471+/-0.056 χ^2/NDF:5984419.7/39

Out: 376.410+/-0.054 χ^2/NDF:8043501.9/45

All: 374.977+/-0.039 χ^2/NDF: 14029354.4/85

asym_sam_15_26_dd_mean vs Slug, Sign Corrected



Right In: -661.277+/-267.154 χ^2/NDF: 16.2/16

Left Out: -92.671+/-78.184 χ^2/NDF:34.2/24

Right Out: 125.656+/-273.479 χ^2/NDF: 19.7/20

Left In: -27.173+/-80.207 χ^2/NDF:30.9/22

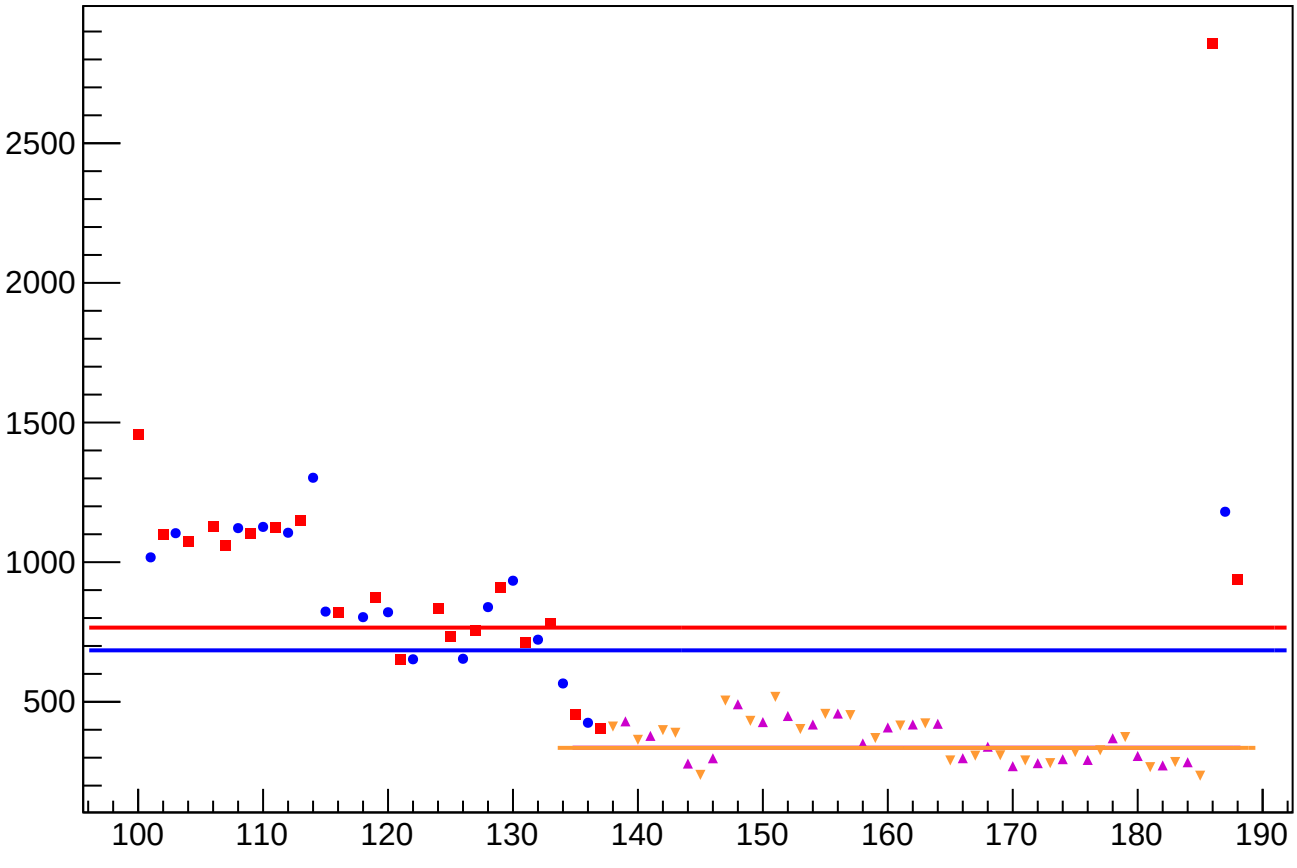
Left: -60.759+/-55.986 χ^2/NDF: 65.4/47

Right: -277.014+/-191.103 χ^2/NDF: 40.2/37

In: -79.604+/-76.820 χ^2/NDF:52.3/39

Out: -76.175+/-75.173 χ^2/NDF:54.5/45

All: -77.852+/-53.728 χ^2/NDF: 106.8/85



Right In: 684.303+/-0.189 χ^2/NDF: 1668147.8/16

Left Out: 335.150+/-0.055 χ^2/NDF:1706014.2/24

Right Out: 765.727+/-0.193 χ^2/NDF: 2013476.8/20

Left In: 335.787+/-0.057 χ^2/NDF:1291376.5/22

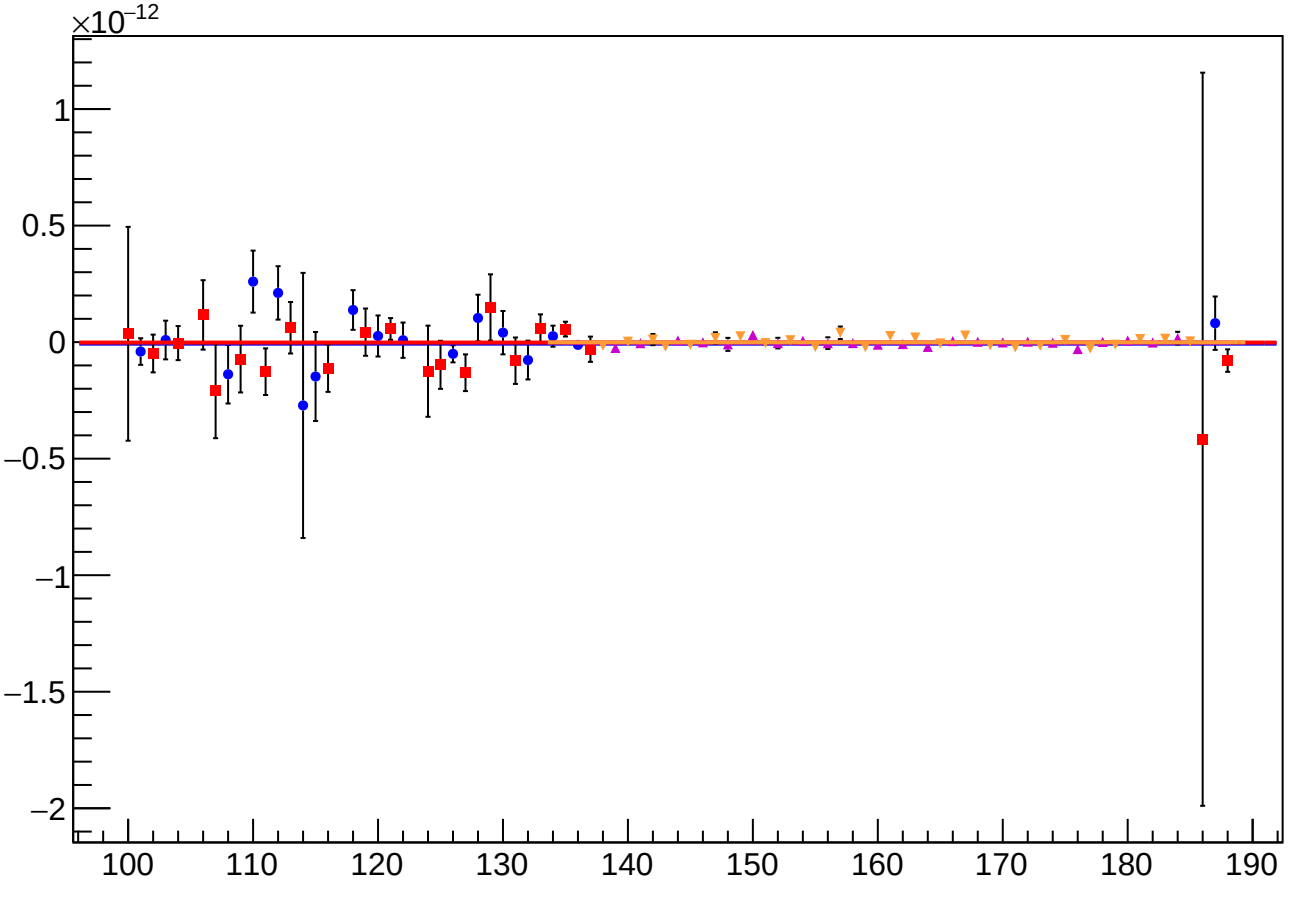
Left: 335.460+/-0.040 χ^2/NDF: 2997455.5/47

Right: 724.063+/-0.135 χ^2/NDF: 3772343.1/37

In: 364.604+/-0.054 χ^2/NDF:6081786.4/39

Out: 367.683+/-0.053 χ^2/NDF:8302651.0/45

All: 366.177+/-0.038 χ^2/NDF: 14386078.3/85



Right In: -0.000+/-0.000 χ^2/NDF: 17.8/16

Left Out: -0.000+/-0.000 χ^2/NDF:33.3/24

Right Out: -0.000+/-0.000 χ^2/NDF: 20.0/20

Left In: -0.000+/-0.000 χ^2/NDF:14.8/22

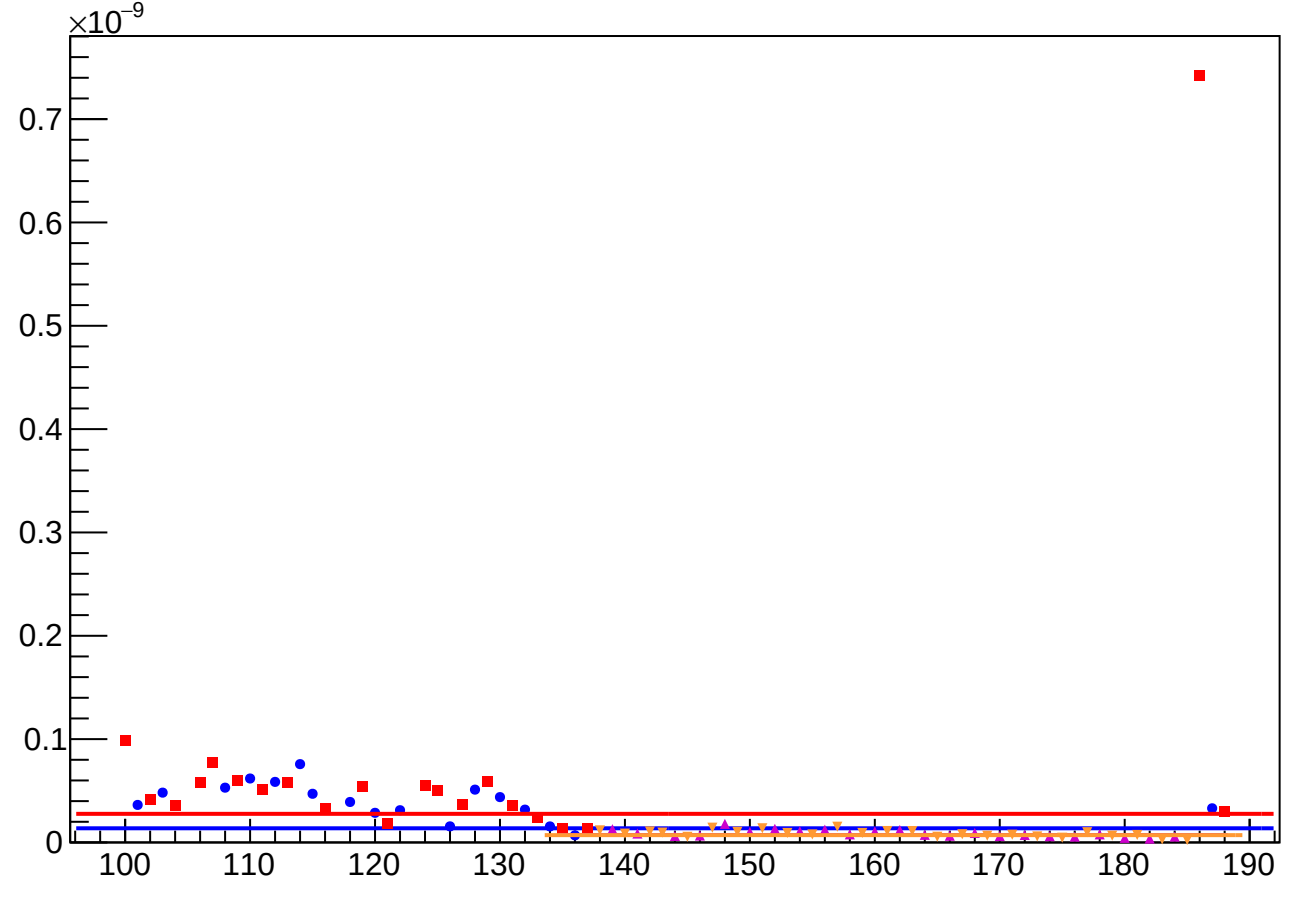
Left: -0.000+/-0.000 χ^2/NDF: 48.1/47

Right: -0.000+/-0.000 χ^2/NDF: 37.8/37

In: -0.000+/-0.000 χ^2/NDF:32.8/39

Out: -0.000+/-0.000 χ^2/NDF:53.2/45

All: -0.000+/-0.000 χ^2/NDF: 86.1/85



Right In: 0.000+/-0.000 χ^2/NDF: 3102751.7/16

Left Out: 0.000+/-0.000 χ^2/NDF:2000233.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2155884.7/20

Left In: 0.000+/-0.000 χ^2/NDF:1604062.0/22

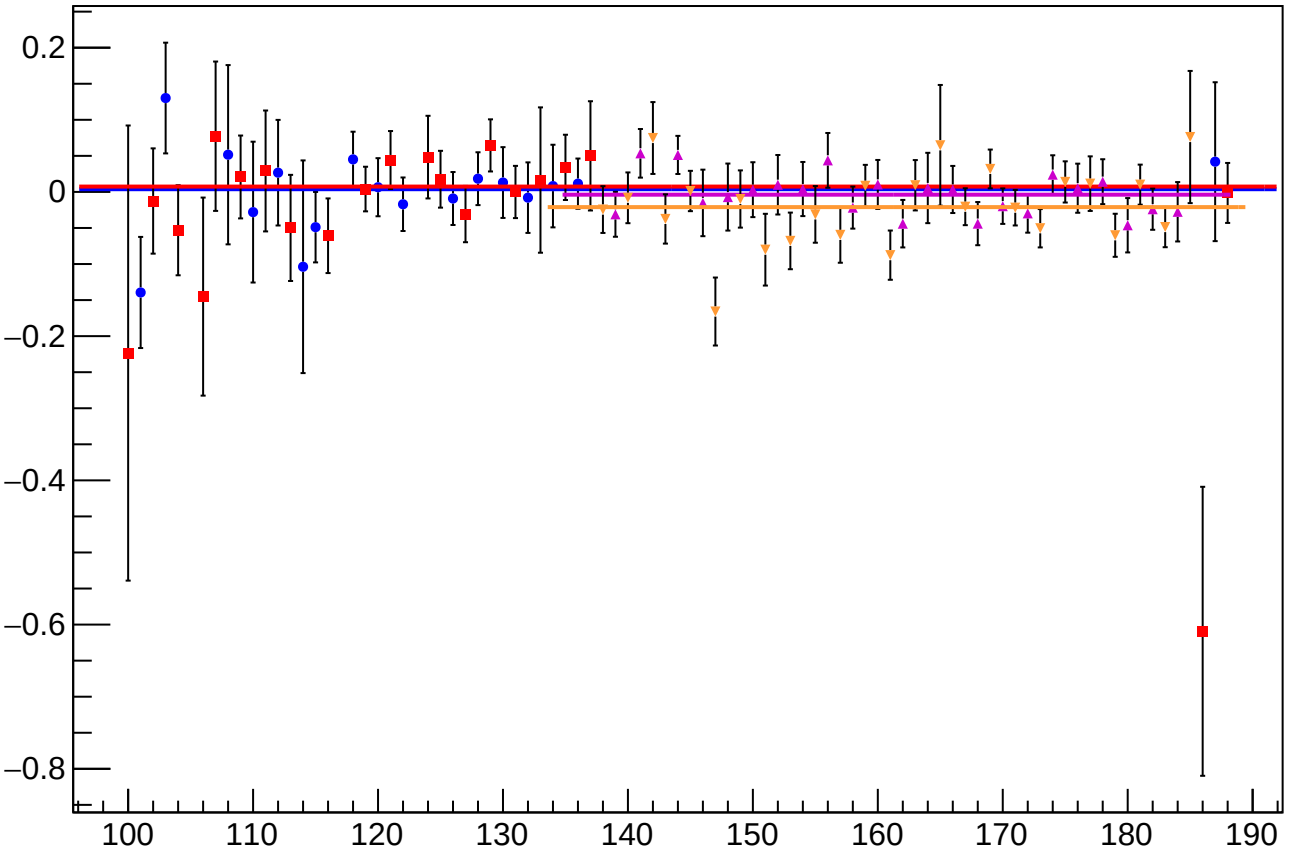
Left: 0.000+/-0.000 χ^2/NDF: 3606525.6/47

Right: 0.000+/-0.000 χ^2/NDF: 6304217.4/37

In: 0.000+/-0.000 χ^2/NDF:5424334.1/39

Out: 0.000+/-0.000 χ^2/NDF:7258465.3/45

All: 0.000+/-0.000 χ^2/NDF: 12682828.6/85



Right In: 0.004+/-0.012 χ^2/NDF: 10.2/16

Left Out: -0.021+/-0.007 χ^2/NDF:37.2/24

Right Out: 0.007+/-0.011 χ^2/NDF: 20.8/20

Left In: -0.004+/-0.007 χ^2/NDF:18.7/22

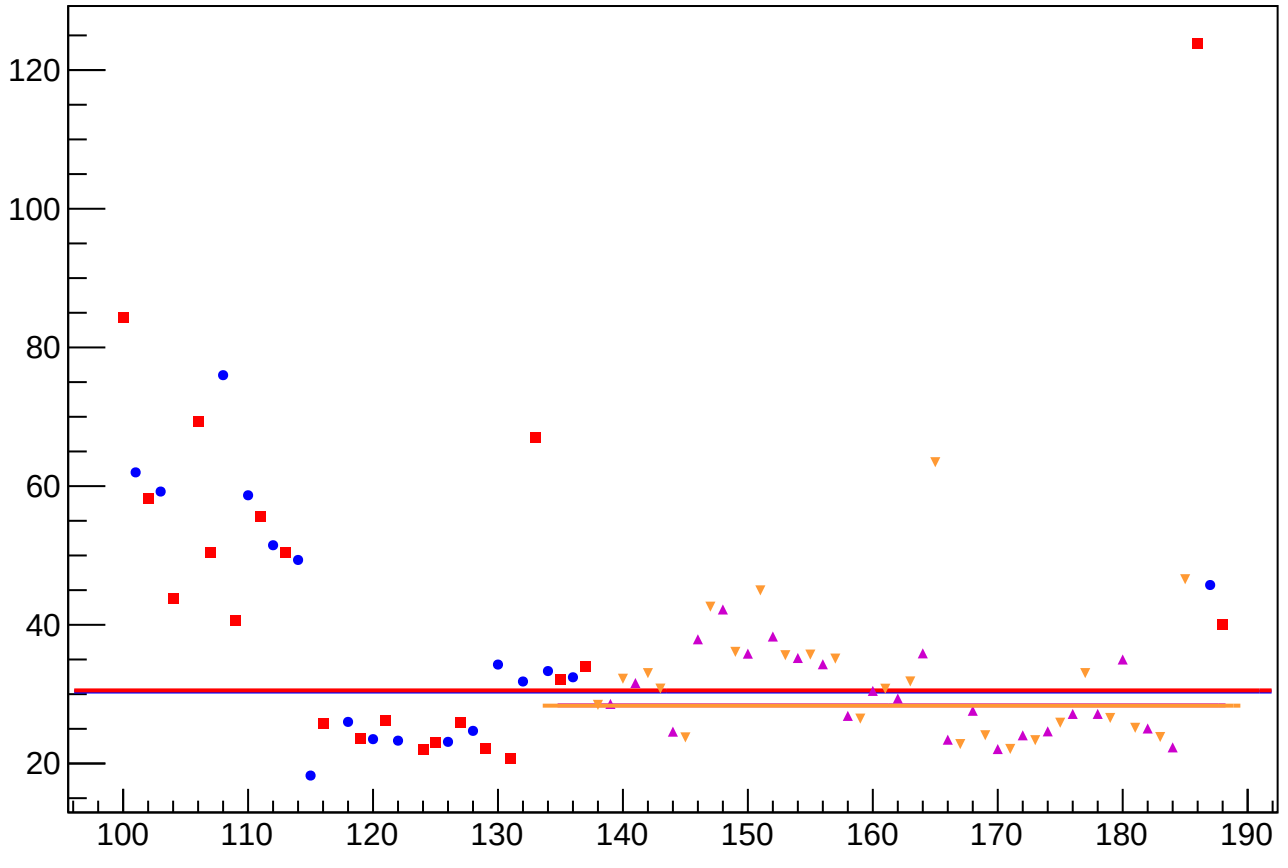
Left: -0.013+/-0.005 χ^2/NDF: 59.1/47

Right: 0.006+/-0.008 χ^2/NDF: 31.1/37

In: -0.002+/-0.006 χ^2/NDF:29.2/39

Out: -0.014+/-0.006 χ^2/NDF:62.7/45

All: -0.008+/-0.004 χ^2/NDF: 93.9/85



Right In: 30.378+/-0.009 χ^2/NDF: 1726754.4/16

Left Out: 28.342+/-0.005 χ^2/NDF:1733592.1/24

Right Out: 30.541+/-0.008 χ^2/NDF: 2402901.7/20

Left In: 28.389+/-0.005 χ^2/NDF:1098849.1/22

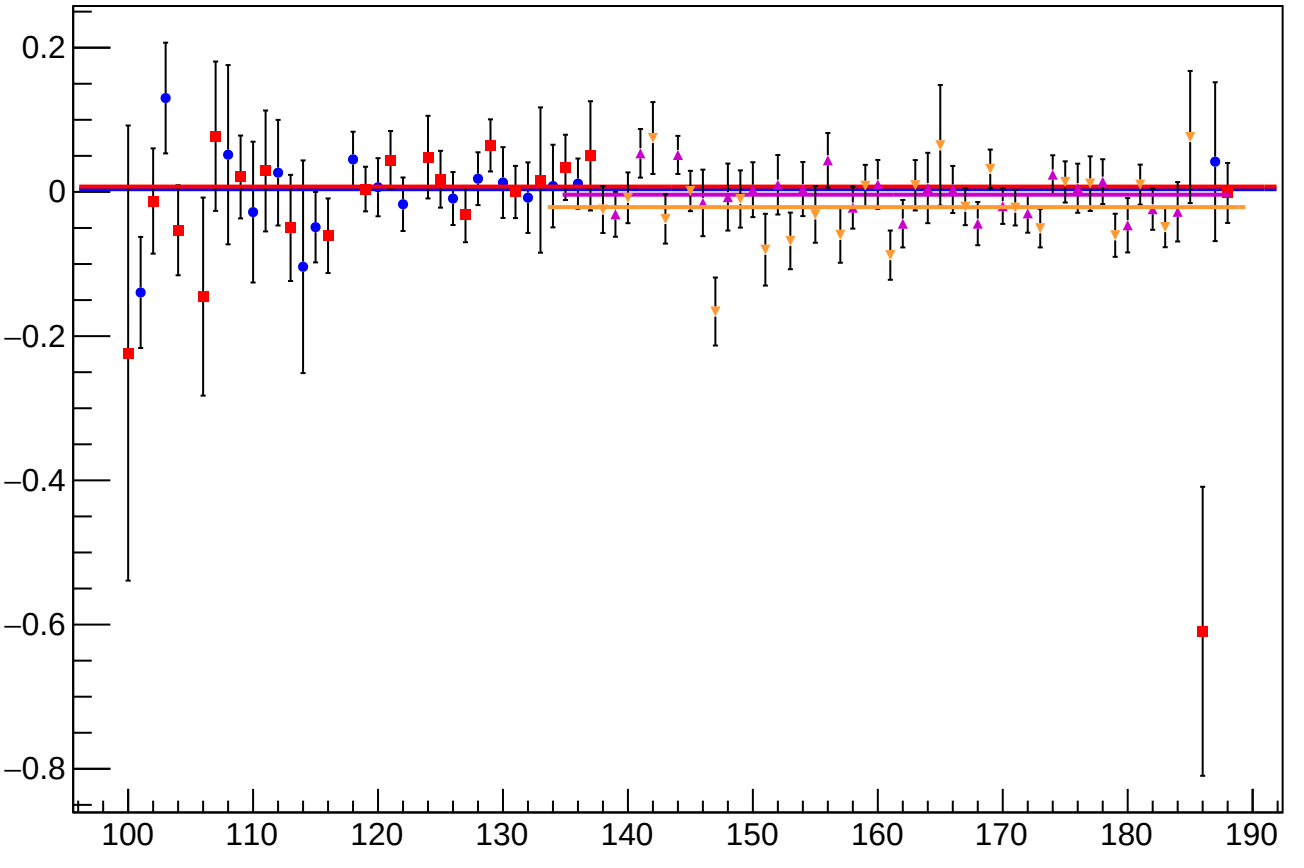
Left: 28.365+/-0.003 χ^2/NDF: 2832490.4/47

Right: 30.465+/-0.006 χ^2/NDF: 4129848.1/37

In: 28.867+/-0.004 χ^2/NDF:2865941.1/39

Out: 28.906+/-0.004 χ^2/NDF:4192329.0/45

All: 28.887+/-0.003 χ^2/NDF: 7058316.4/85



Right In: 0.004+/-0.012 χ^2/NDF: 10.2/16

Left Out: -0.021+/-0.007 χ^2/NDF:37.2/24

Right Out: 0.007+/-0.011 χ^2/NDF: 20.8/20

Left In: -0.004+/-0.007 χ^2/NDF:18.7/22

Left: -0.013+/-0.005 χ^2/NDF: 59.1/47

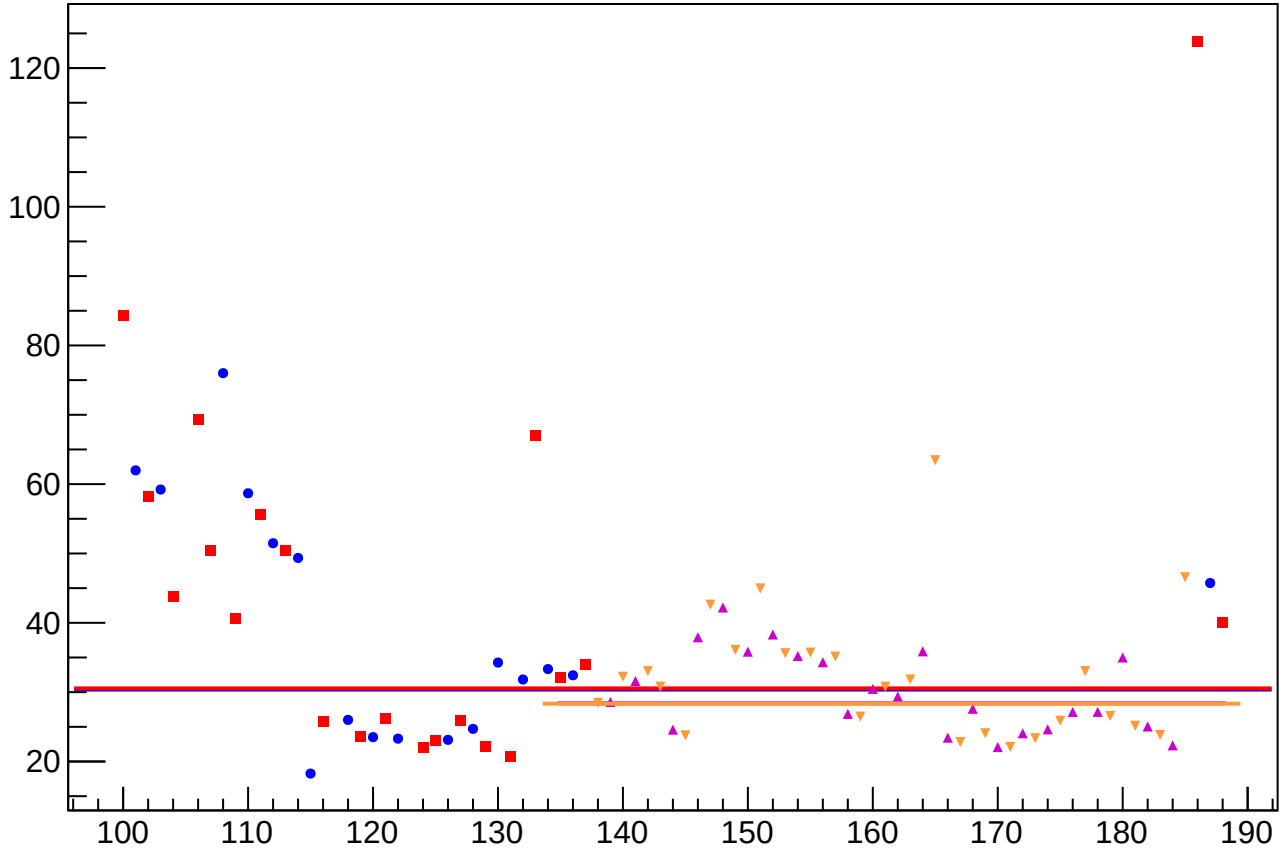
Right: 0.006+/-0.008 χ^2/NDF: 31.1/37

In: -0.002+/-0.006 χ^2/NDF:29.2/39

Out: -0.014+/-0.006 χ^2/NDF:62.7/45

All: -0.008+/-0.004 χ^2/NDF: 93.9/85

asym_sam_15_26_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 30.378+/-0.009 χ^2/NDF: 1726754.4/16

Left Out: 28.342+/-0.005 χ^2/NDF:1733592.1/24

Right Out: 30.541+/-0.008 χ^2/NDF: 2402901.7/20

Left In: 28.389+/-0.005 χ^2/NDF:1098849.1/22

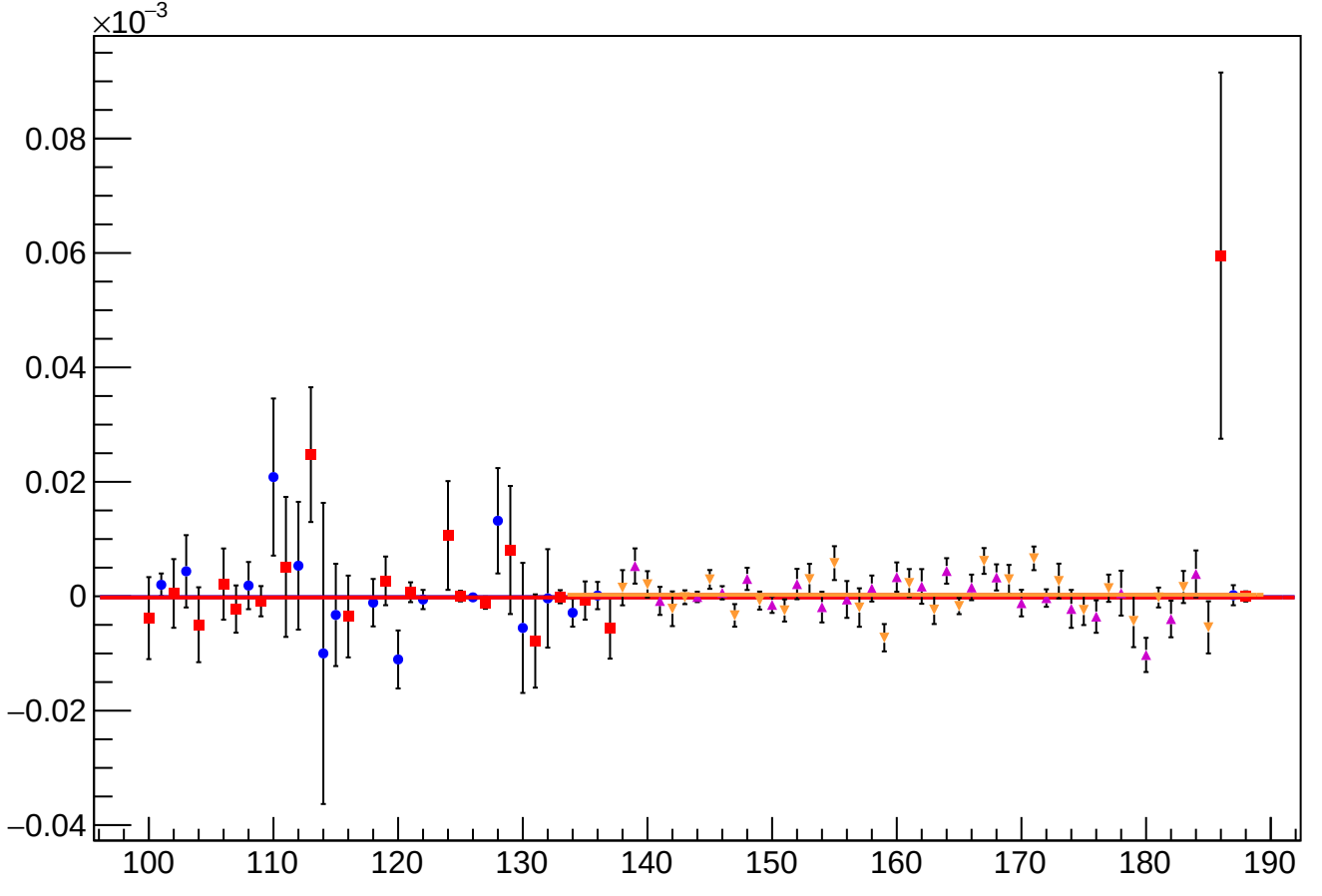
Left: 28.365+/-0.003 χ^2/NDF: 2832490.4/47

Right: 30.465+/-0.006 χ^2/NDF: 4129848.1/37

In: 28.867+/-0.004 χ^2/NDF:2865941.1/39

Out: 28.906+/-0.004 χ^2/NDF:4192329.0/45

All: 28.887+/-0.003 χ^2/NDF: 7058316.4/85



Right In: -0.000+/-0.000 χ^2/NDF: 13.1/16

Left Out: 0.000+/-0.000 χ^2/NDF:50.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 15.0/20

Left In: 0.000+/-0.000 χ^2/NDF:33.2/22

Left: 0.000+/-0.000 χ^2/NDF: 84.0/47

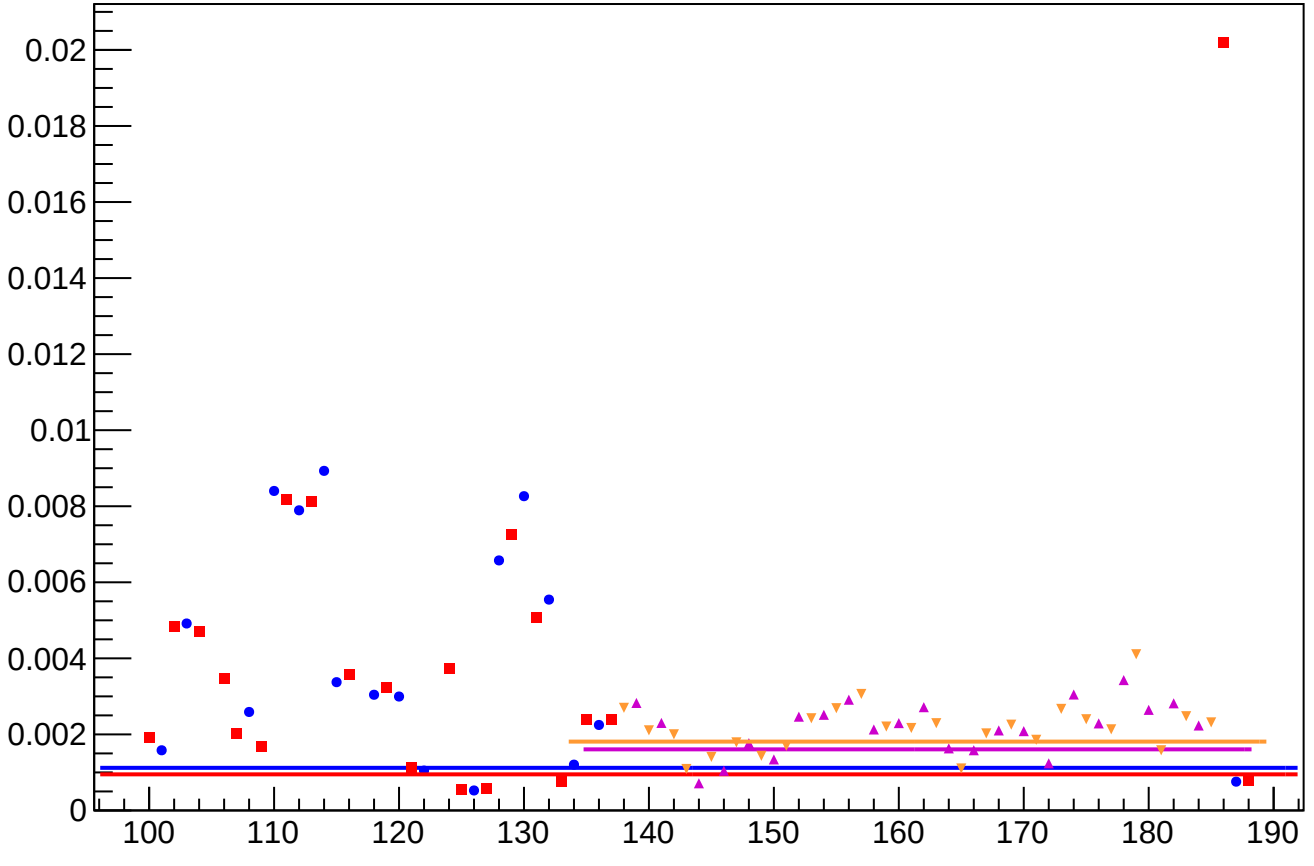
Right: -0.000+/-0.000 χ^2/NDF: 28.1/37

In: 0.000+/-0.000 χ^2/NDF:46.7/39

Out: 0.000+/-0.000 χ^2/NDF:66.3/45

All: 0.000+/-0.000 χ^2/NDF: 113.0/85

asym_sam_15_26_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 6978049.6/16

Left Out: 0.002+/-0.000 χ^2/NDF:3433566.6/24

Right Out: 0.001+/-0.000 χ^2/NDF: 7740818.5/20

Left In: 0.002+/-0.000 χ^2/NDF:6034225.5/22

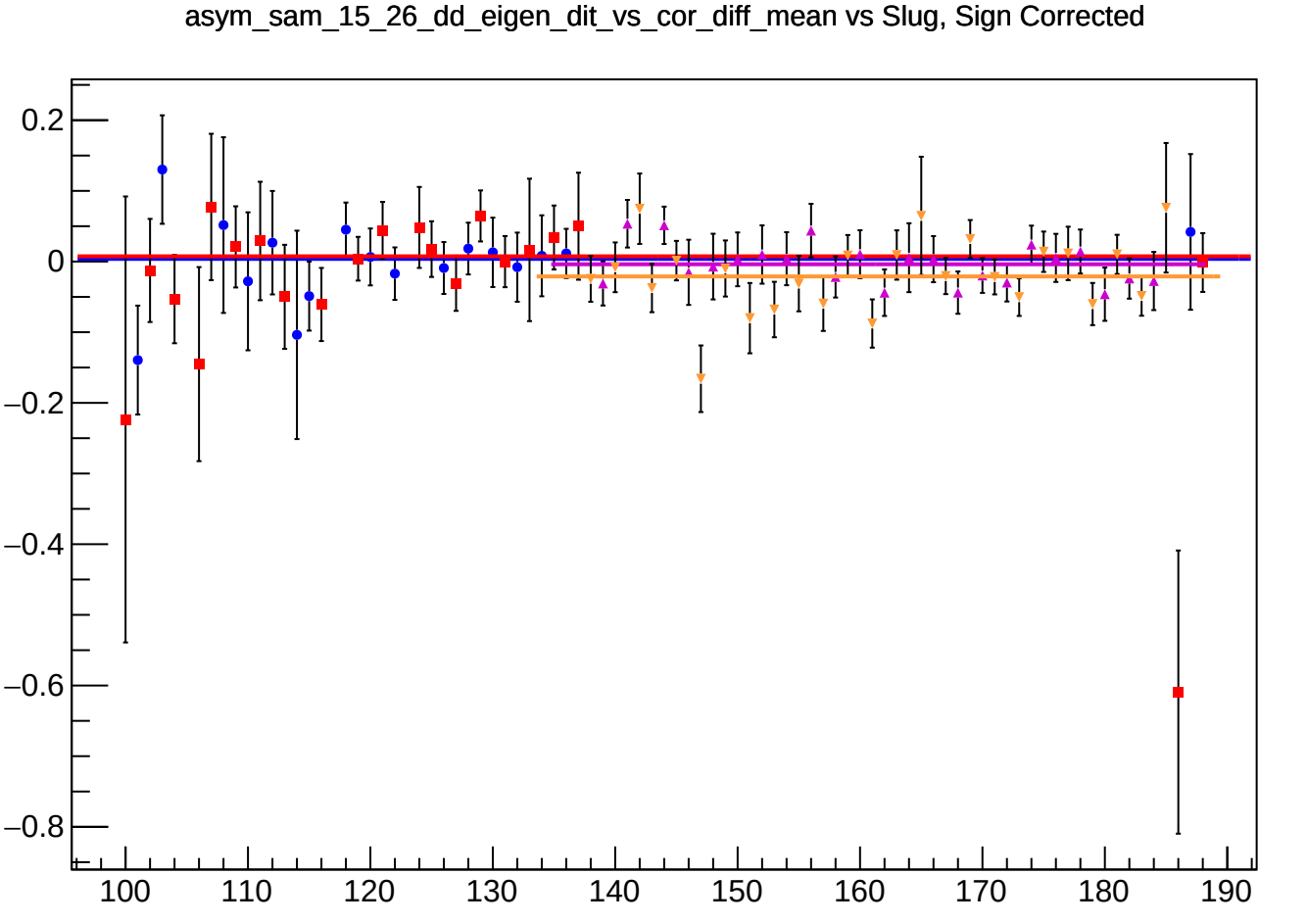
Left: 0.002+/-0.000 χ^2/NDF: 9693636.7/47

Right: 0.001+/-0.000 χ^2/NDF: 14827800.0/37

In: 0.001+/-0.000 χ^2/NDF:13927308.2/39

Out: 0.001+/-0.000 χ^2/NDF:14957974.7/45

All: 0.001+/-0.000 χ^2/NDF: 28901642.9/85



Right In: 0.004+/-0.012 χ^2/NDF: 10.2/16

Left Out: -0.021+/-0.007 χ^2/NDF:37.2/24

Right Out: 0.007+/-0.011 χ^2/NDF: 20.8/20

Left In: -0.004+/-0.007 χ^2/NDF:18.7/22

Left: -0.013+/-0.005 χ^2/NDF: 59.1/47

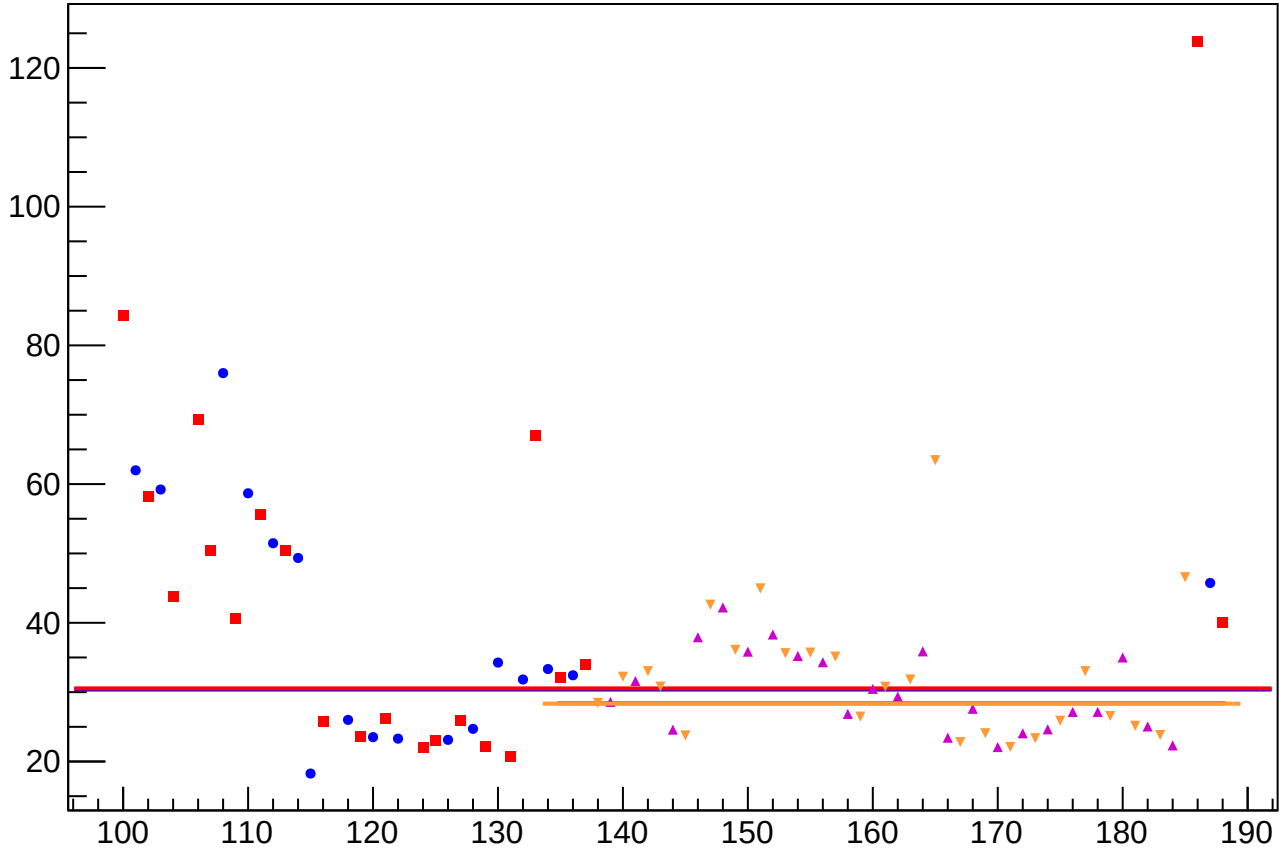
Right: 0.006+/-0.008 χ^2/NDF: 31.1/37

In: -0.002+/-0.006 χ^2/NDF:29.2/39

Out: -0.014+/-0.006 χ^2/NDF:62.7/45

All: -0.008+/-0.004 χ^2/NDF: 93.9/85

asym_sam_15_26_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 30.378+/-0.009 χ^2/NDF: 1726568.8/16

Left Out: 28.342+/-0.005 χ^2/NDF:1733585.3/24

Right Out: 30.540+/-0.008 χ^2/NDF: 2402877.8/20

Left In: 28.389+/-0.005 χ^2/NDF:1098852.1/22

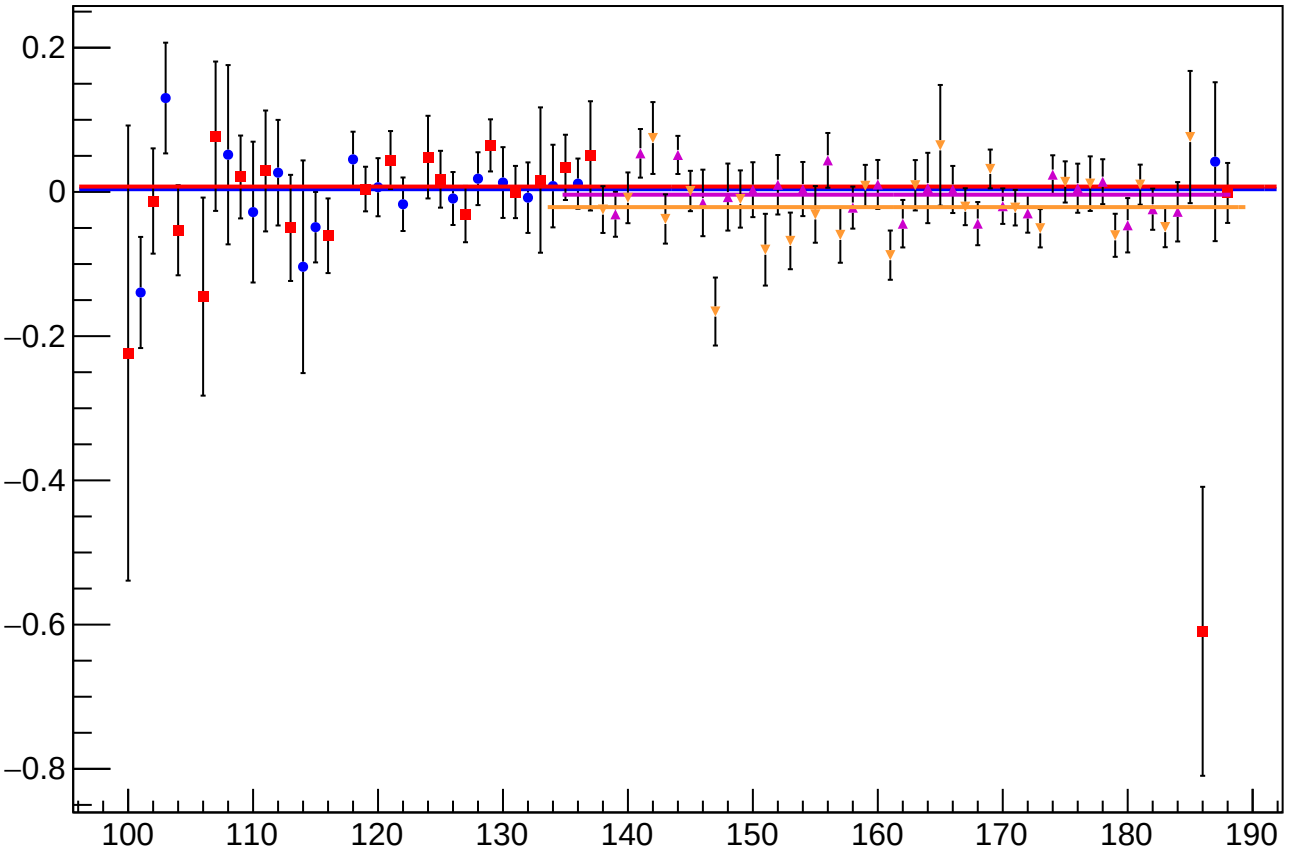
Left: 28.365+/-0.003 χ^2/NDF: 2832487.2/47

Right: 30.465+/-0.006 χ^2/NDF: 4129637.3/37

In: 28.867+/-0.004 χ^2/NDF:2865750.7/39

Out: 28.906+/-0.004 χ^2/NDF:4192269.2/45

All: 28.887+/-0.003 χ^2/NDF: 7058065.5/85



Right In: 0.004+/-0.012 χ^2/NDF: 10.2/16

Left Out: -0.021+/-0.007 χ^2/NDF:37.2/24

Right Out: 0.007+/-0.011 χ^2/NDF: 20.8/20

Left In: -0.004+/-0.007 χ^2/NDF:18.7/22

Left: -0.013+/-0.005 χ^2/NDF: 59.1/47

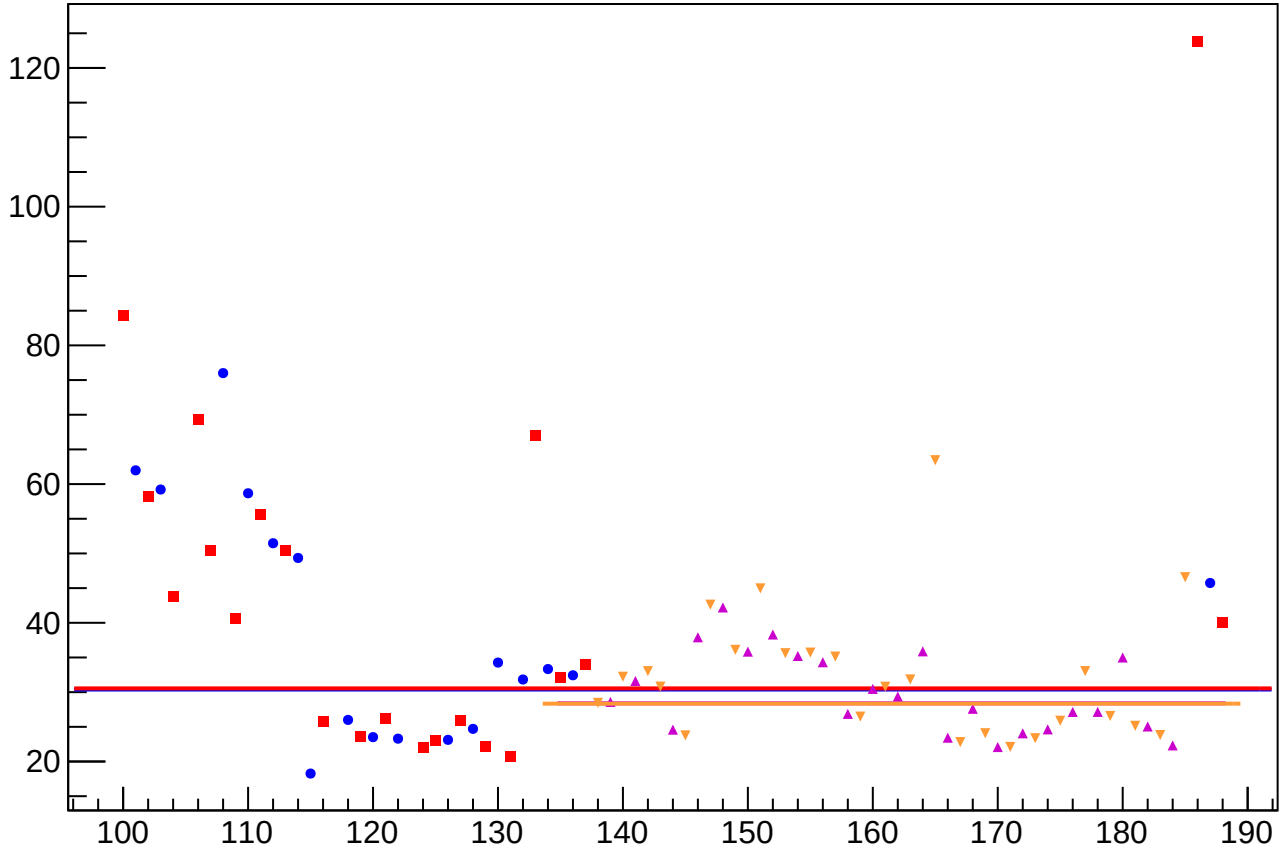
Right: 0.006+/-0.008 χ^2/NDF: 31.1/37

In: -0.002+/-0.006 χ^2/NDF:29.2/39

Out: -0.014+/-0.006 χ^2/NDF:62.7/45

All: -0.008+/-0.004 χ^2/NDF: 93.9/85

asym_sam_15_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 30.378+/-0.009 χ^2/NDF: 1726568.8/16

Left Out: 28.342+/-0.005 χ^2/NDF:1733585.3/24

Right Out: 30.540+/-0.008 χ^2/NDF: 2402877.8/20

Left In: 28.389+/-0.005 χ^2/NDF:1098852.1/22

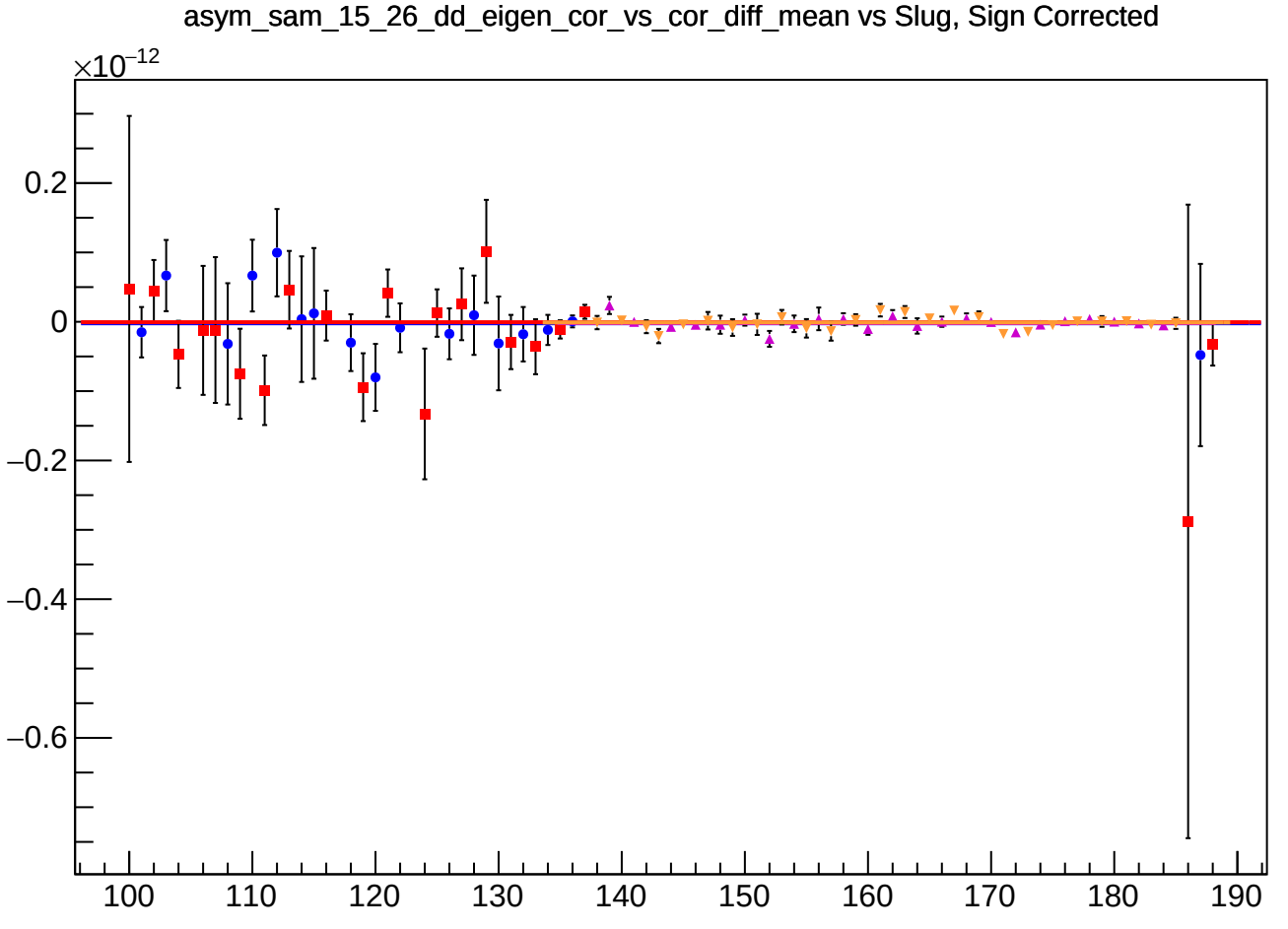
Left: 28.365+/-0.003 χ^2/NDF: 2832487.2/47

Right: 30.465+/-0.006 χ^2/NDF: 4129637.3/37

In: 28.867+/-0.004 χ^2/NDF:2865750.7/39

Out: 28.906+/-0.004 χ^2/NDF:4192269.2/45

All: 28.887+/-0.003 χ^2/NDF: 7058065.5/85



Right In: -0.000+/-0.000 χ^2/NDF: 10.5/16

Left Out: -0.000+/-0.000 χ^2/NDF:34.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 22.9/20

Left In: -0.000+/-0.000 χ^2/NDF:19.5/22

Left: -0.000+/-0.000 χ^2/NDF: 53.8/47

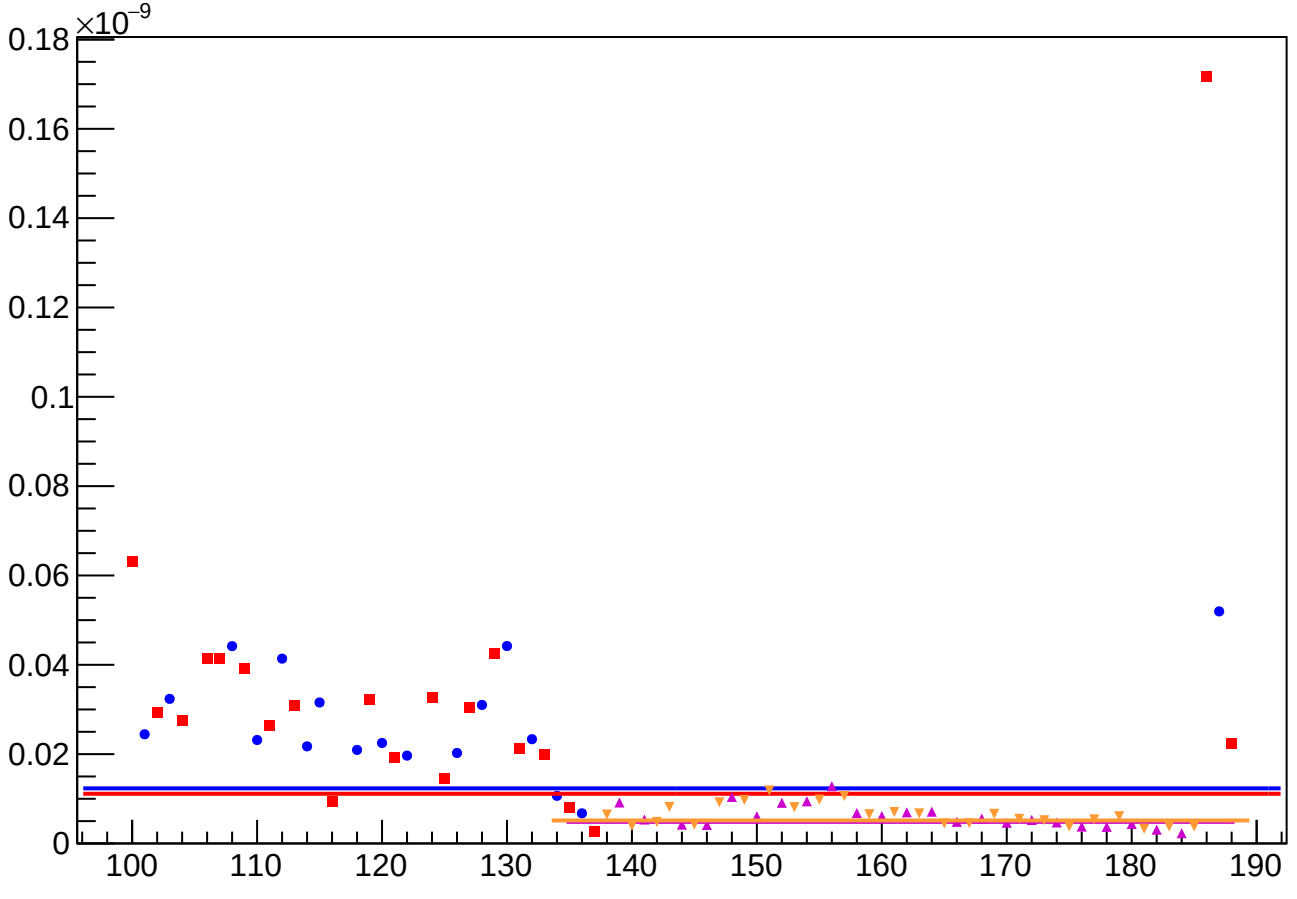
Right: -0.000+/-0.000 χ^2/NDF: 33.4/37

In: -0.000+/-0.000 χ^2/NDF:30.1/39

Out: -0.000+/-0.000 χ^2/NDF:57.0/45

All: -0.000+/-0.000 χ^2/NDF: 87.3/85

asym_sam_15_26_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3620248.5/16

Left Out: 0.000+/-0.000 χ^2/NDF:3035355.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5295880.2/20

Left In: 0.000+/-0.000 χ^2/NDF:3040812.9/22

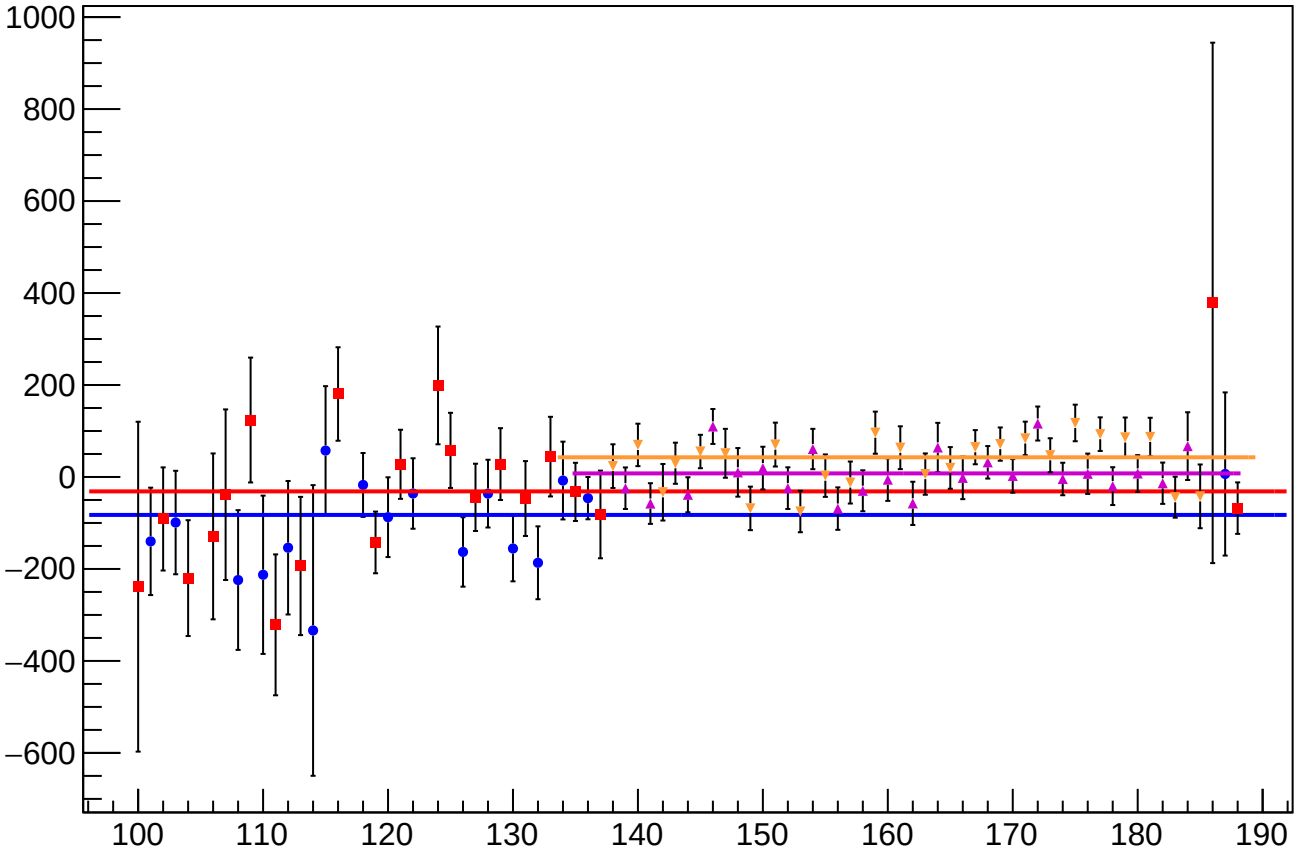
Left: 0.000+/-0.000 χ^2/NDF: 6121355.4/47

Right: 0.000+/-0.000 χ^2/NDF: 8948957.4/37

In: 0.000+/-0.000 χ^2/NDF:8980246.3/39

Out: 0.000+/-0.000 χ^2/NDF:9935511.9/45

All: 0.000+/-0.000 χ^2/NDF: 18952879.1/85



Right In: -82.508+/-21.280 χ^2/NDF: 10.8/16

Left Out: 42.765+/-8.698 χ^2/NDF:34.7/24

Right Out: -31.336+/-20.515 χ^2/NDF: 24.0/20

Left In: 7.783+/-8.974 χ^2/NDF:30.6/22

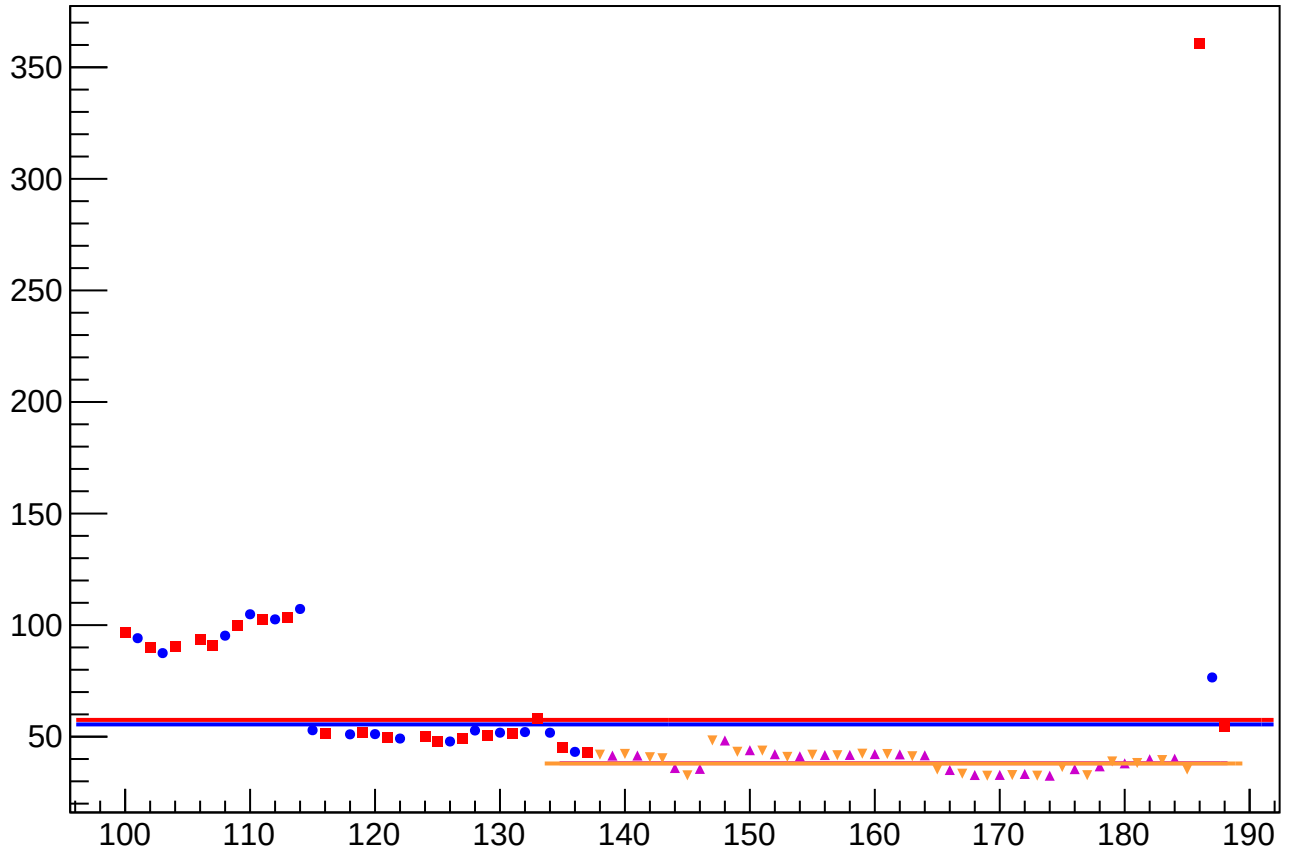
Left: 25.821+/-6.246 χ^2/NDF: 73.2/47

Right: -55.987+/-14.769 χ^2/NDF: 37.8/37

In: -5.851+/-8.269 χ^2/NDF:56.7/39

Out: 31.474+/-8.008 χ^2/NDF:69.8/45

All: 13.410+/-5.753 χ^2/NDF: 137.0/85



Right In: 55.505+/-0.015 χ^2/NDF: 1181135.8/16

Left Out: 37.990+/-0.006 χ^2/NDF:513605.5/24

Right Out: 57.525+/-0.015 χ^2/NDF: 1861170.7/20

Left In: 38.133+/-0.006 χ^2/NDF:428309.7/22

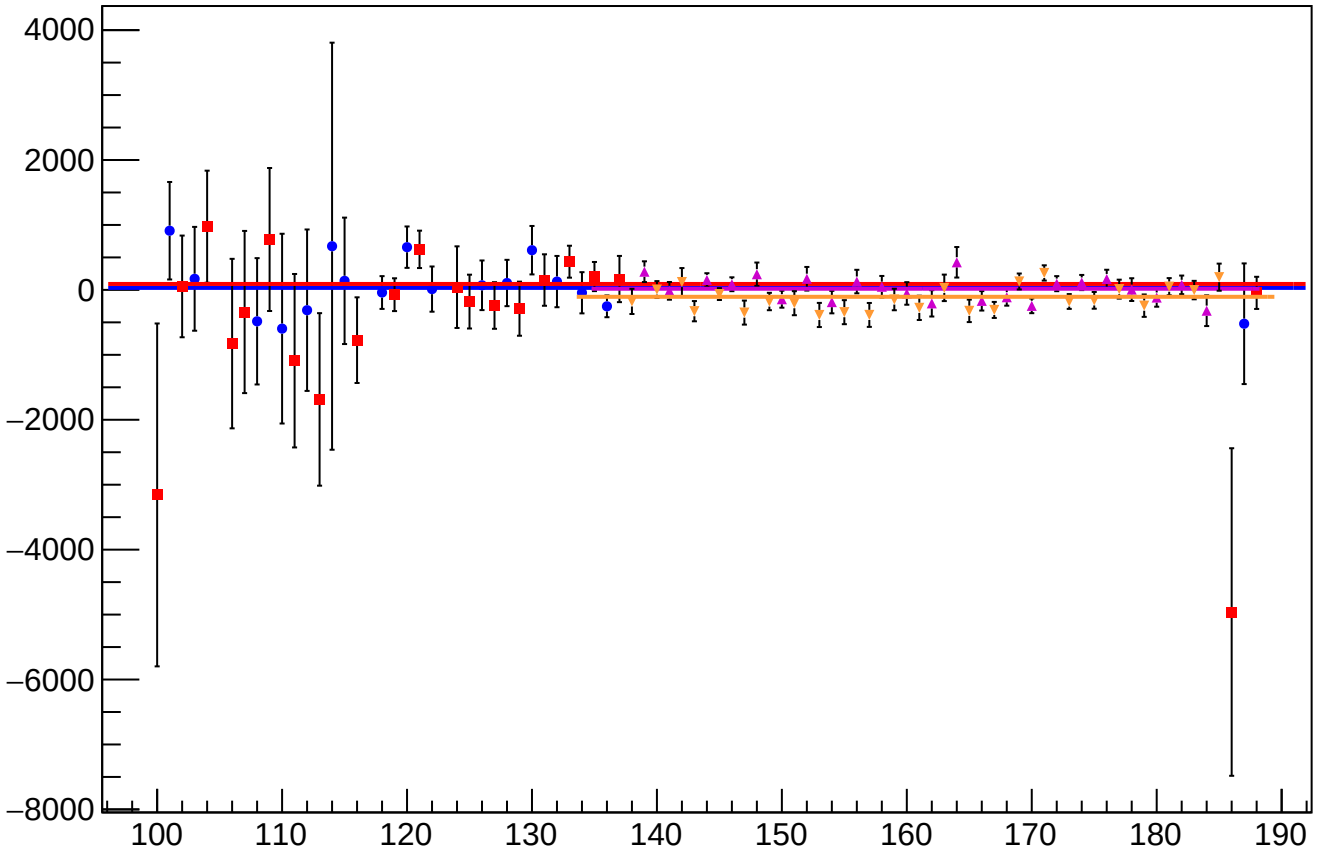
Left: 38.059+/-0.004 χ^2/NDF: 942176.9/47

Right: 56.552+/-0.010 χ^2/NDF: 3051646.1/37

In: 40.756+/-0.006 χ^2/NDF:2741099.0/39

Out: 40.966+/-0.006 χ^2/NDF:3911878.7/45

All: 40.865+/-0.004 χ^2/NDF: 6653645.6/85



Right In: 30.728+/-93.092 χ^2/NDF: 11.8/16

Left Out: -106.506+/-29.563 χ^2/NDF:37.6/24

Right Out: 91.302+/-89.314 χ^2/NDF: 20.4/20

Left In: 17.517+/-30.185 χ^2/NDF:28.2/22

Left: -45.786+/-21.121 χ^2/NDF: 74.5/47

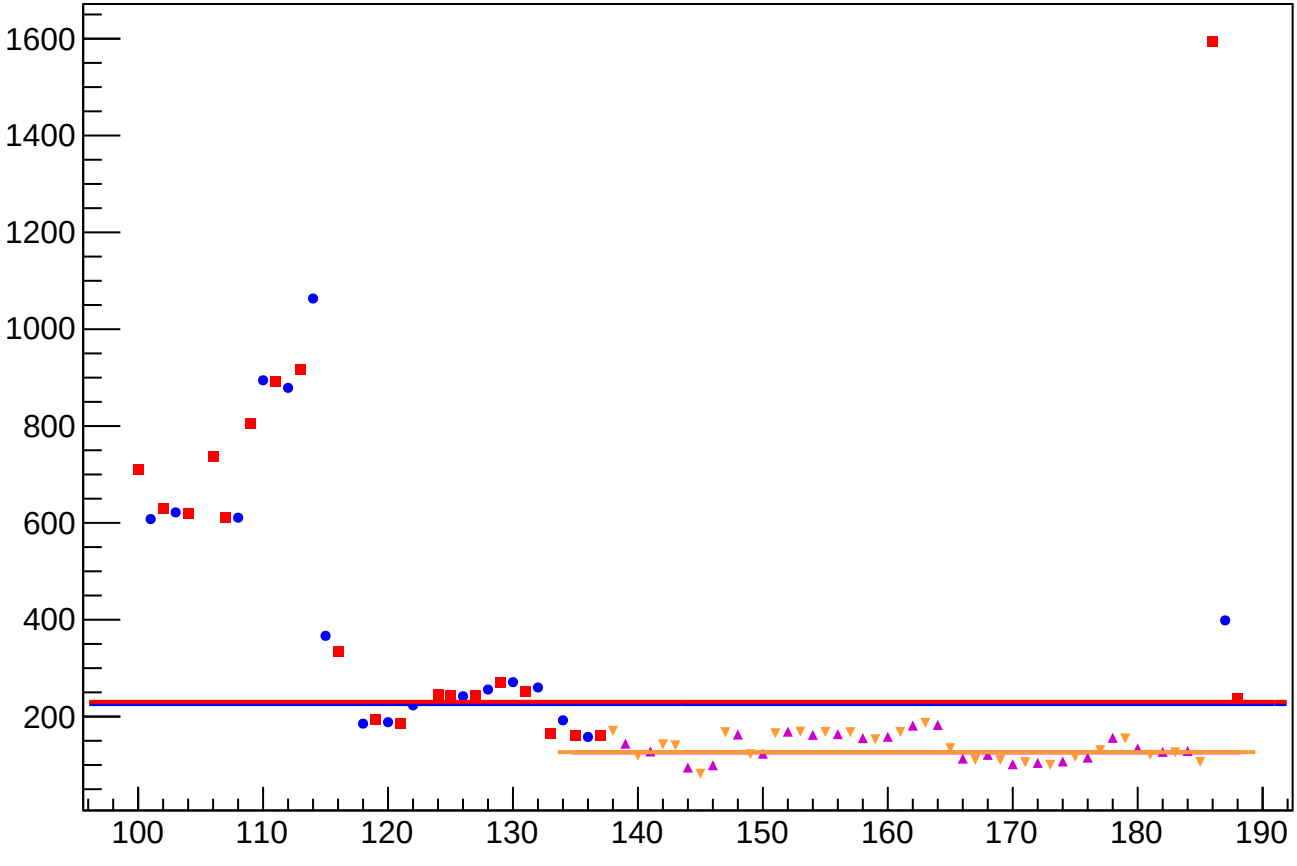
Right: 62.269+/-64.449 χ^2/NDF: 32.4/37

In: 18.774+/-28.714 χ^2/NDF:40.0/39

Out: -86.974+/-28.066 χ^2/NDF:62.5/45

All: -35.306+/-20.071 χ^2/NDF: 109.5/85

asym_sam_37_26_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 225.795+/-0.066 χ^2/NDF: 3037963.2/16

Left Out: 126.561+/-0.021 χ^2/NDF:1758158.3/24

Right Out: 230.466+/-0.063 χ^2/NDF: 4228938.7/20

Left In: 126.013+/-0.021 χ^2/NDF:1410655.7/22

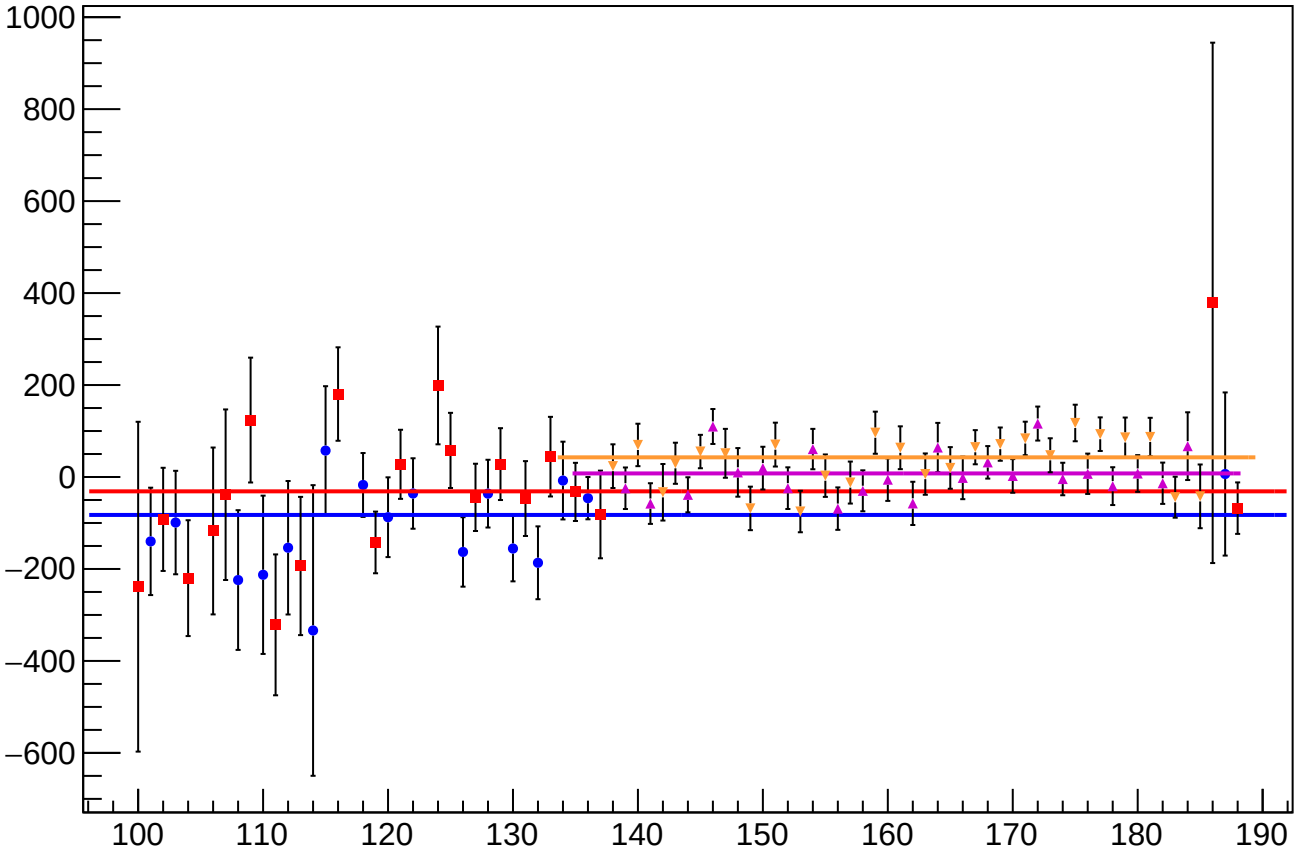
Left: 126.293+/-0.015 χ^2/NDF: 3169149.7/47

Right: 228.227+/-0.046 χ^2/NDF: 7269524.9/37

In: 135.506+/-0.020 χ^2/NDF:6527759.5/39

Out: 136.821+/-0.020 χ^2/NDF:8426692.3/45

All: 136.179+/-0.014 χ^2/NDF: 14956596.0/85



Right In: -82.505+/-21.280 χ^2/NDF: 10.8/16

Left Out: 42.767+/-8.698 χ^2/NDF:34.7/24

Right Out: -31.200+/-20.517 χ^2/NDF: 23.9/20

Left In: 7.785+/-8.974 χ^2/NDF:30.6/22

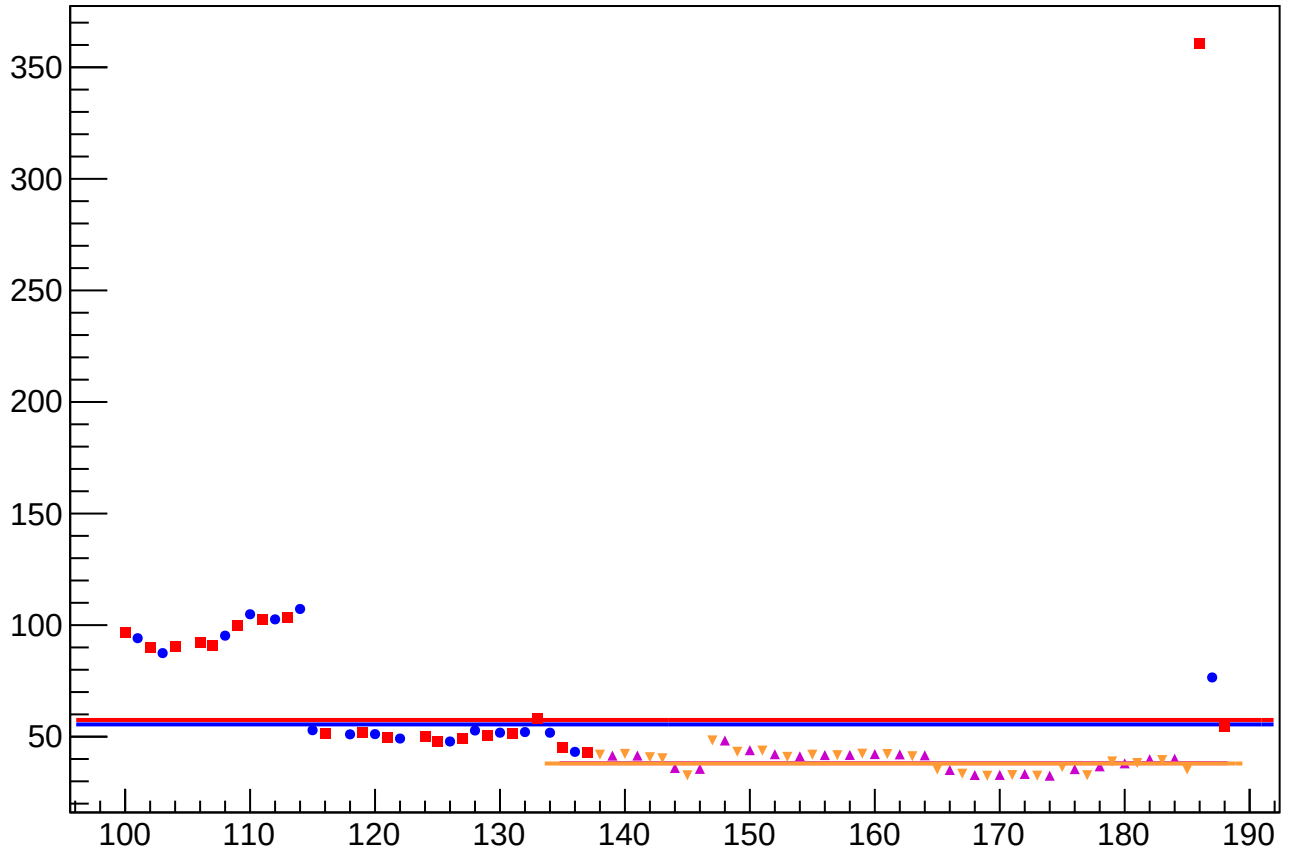
Left: 25.822+/-6.246 χ^2/NDF: 73.2/47

Right: -55.917+/-14.770 χ^2/NDF: 37.7/37

In: -5.849+/-8.269 χ^2/NDF:56.7/39

Out: 31.498+/-8.008 χ^2/NDF:69.7/45

All: 13.423+/-5.753 χ^2/NDF: 136.9/85



Right In: 55.505+/-0.015 χ^2/NDF: 1181136.1/16

Left Out: 37.990+/-0.006 χ^2/NDF:513605.5/24

Right Out: 57.500+/-0.015 χ^2/NDF: 1853766.7/20

Left In: 38.133+/-0.006 χ^2/NDF:428309.7/22

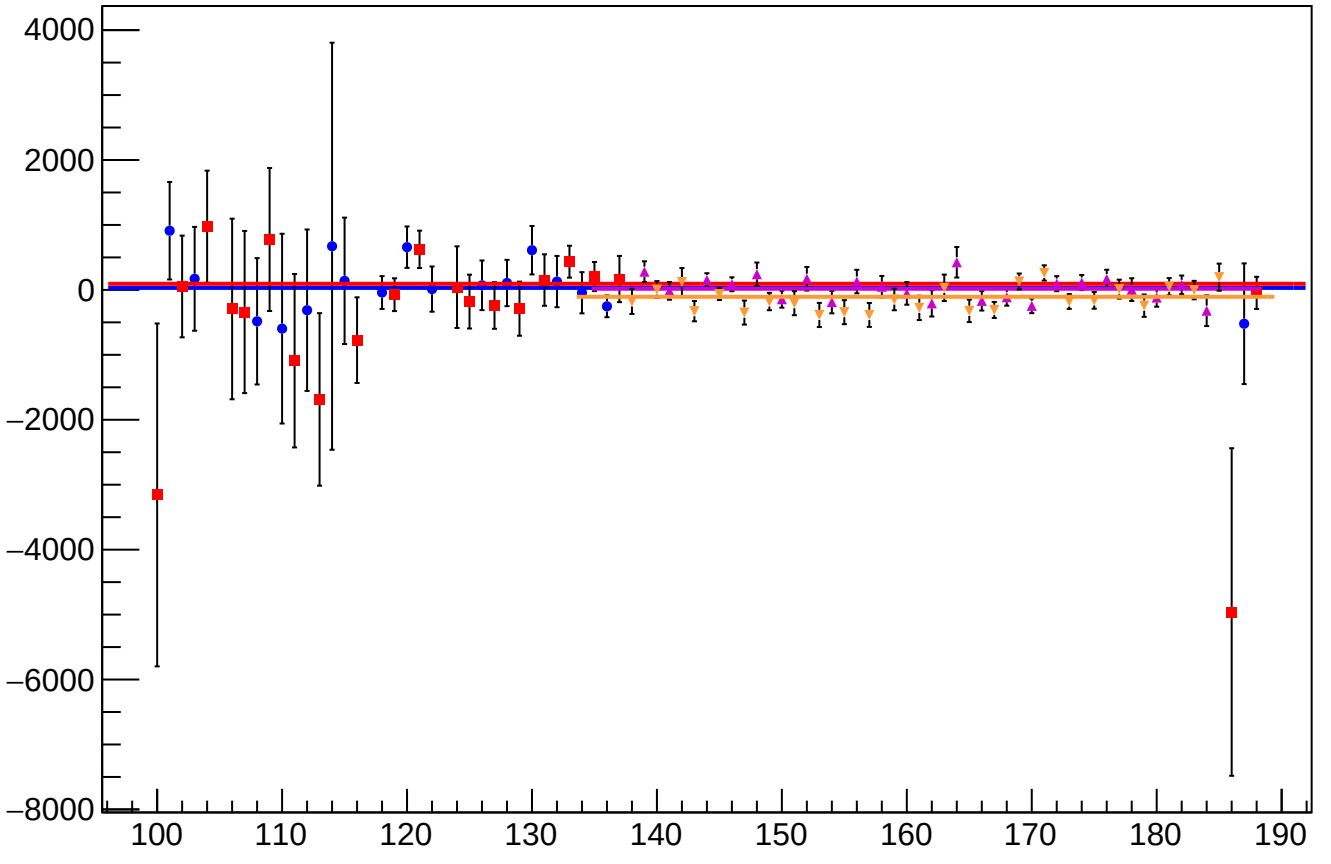
Left: 38.059+/-0.004 χ^2/NDF: 942176.9/47

Right: 56.539+/-0.010 χ^2/NDF: 3044012.4/37

In: 40.756+/-0.006 χ^2/NDF:2741099.2/39

Out: 40.962+/-0.006 χ^2/NDF:3900334.2/45

All: 40.862+/-0.004 χ^2/NDF: 6642074.7/85



Right In: 30.728+/-93.092 χ^2/NDF: 11.8/16

Left Out: -106.505+/-29.563 χ^2/NDF:37.6/24

Right Out: 93.995+/-89.339 χ^2/NDF: 20.0/20

Left In: 17.517+/-30.185 χ^2/NDF:28.2/22

Left: -45.785+/-21.121 χ^2/NDF: 74.5/47

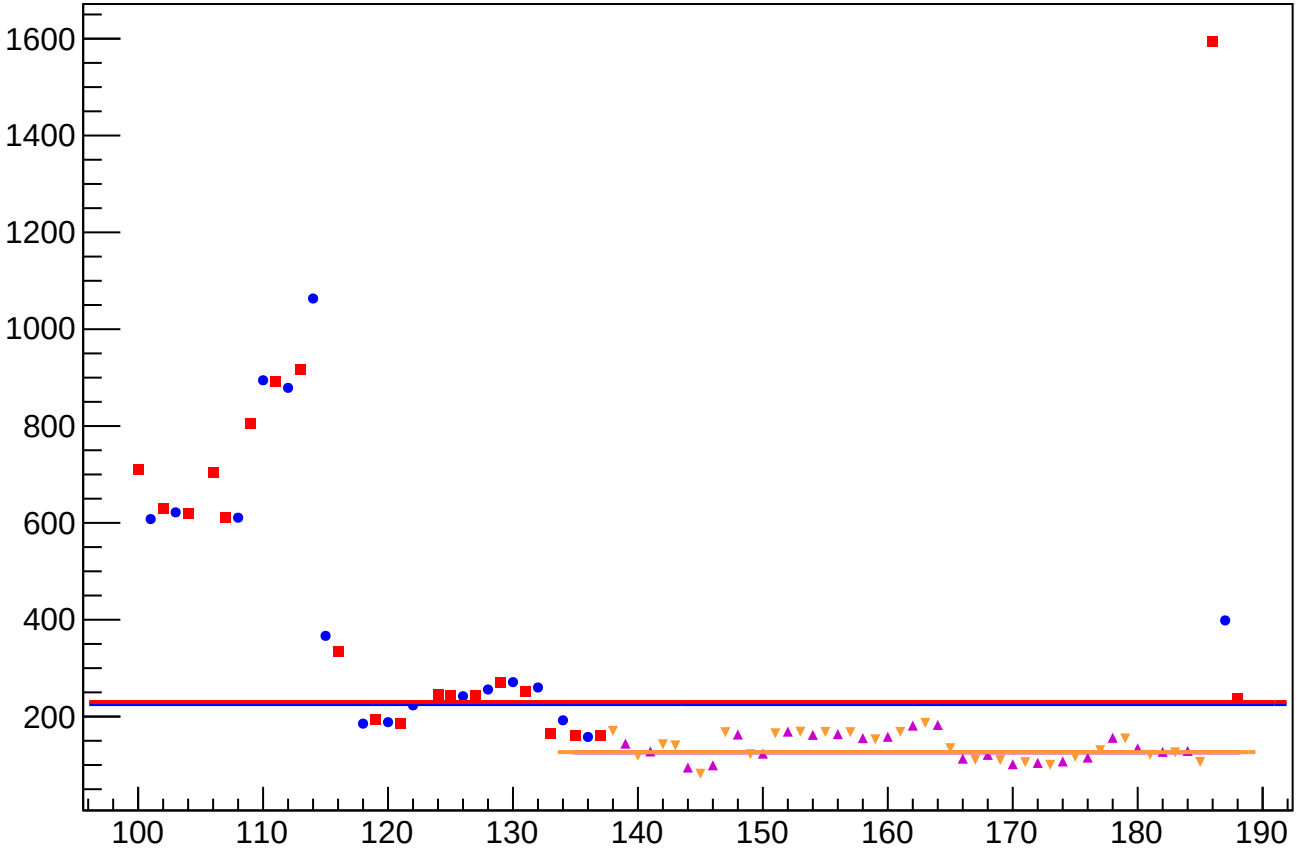
Right: 63.662+/-64.458 χ^2/NDF: 32.0/37

In: 18.774+/-28.714 χ^2/NDF:40.0/39

Out: -86.717+/-28.067 χ^2/NDF:62.2/45

All: -35.173+/-20.071 χ^2/NDF: 109.1/85

asym_sam_37_26_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 225.795+/-0.066 χ^2/NDF: 3037968.0/16

Left Out: 126.561+/-0.021 χ^2/NDF:1758151.9/24

Right Out: 230.052+/-0.063 χ^2/NDF: 4160886.4/20

Left In: 126.013+/-0.021 χ^2/NDF:1410664.0/22

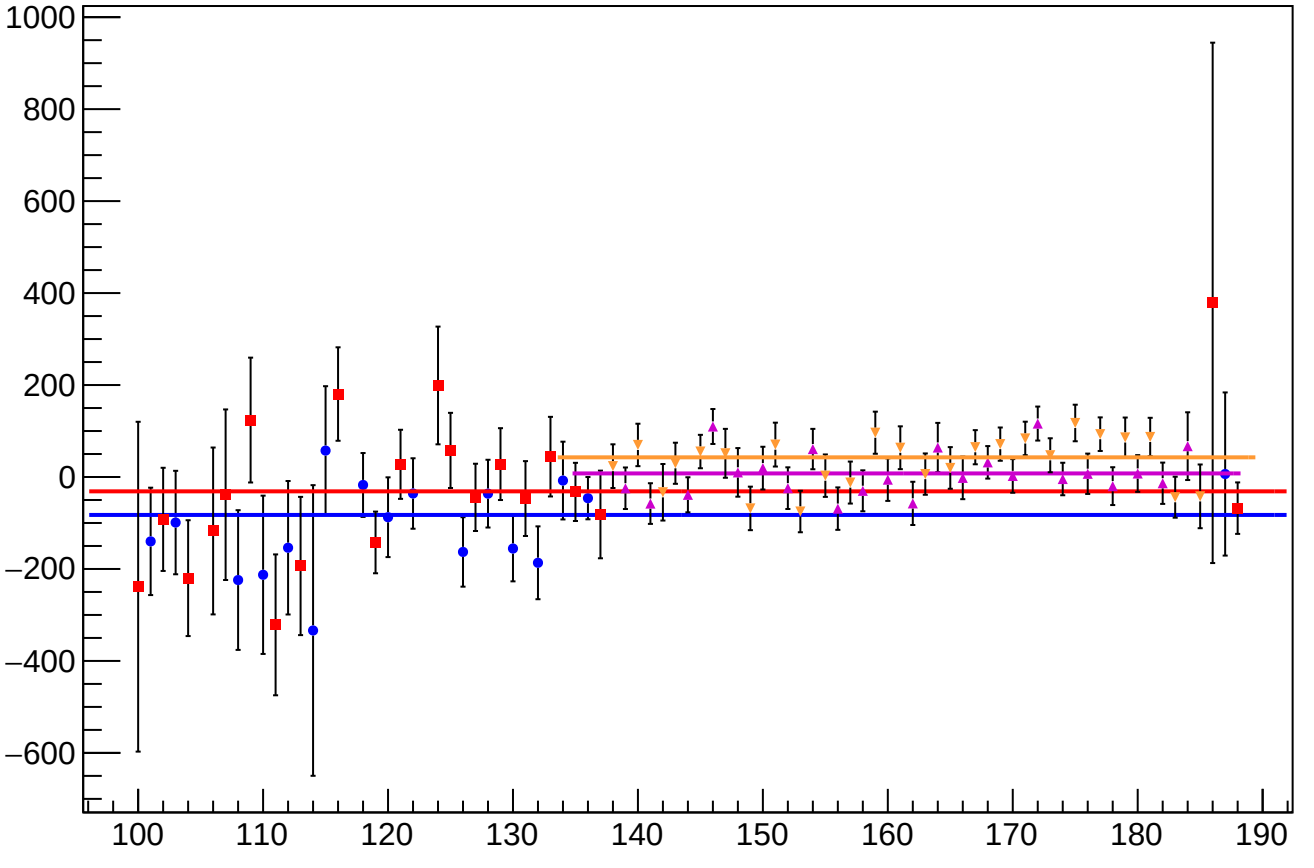
Left: 126.293+/-0.015 χ^2/NDF: 3169151.8/47

Right: 228.011+/-0.046 χ^2/NDF: 7201031.4/37

In: 135.506+/-0.020 χ^2/NDF:6527779.2/39

Out: 136.775+/-0.020 χ^2/NDF:8337943.6/45

All: 136.155+/-0.014 χ^2/NDF: 14867719.3/85



Right In: -82.505+/-21.280 χ^2/NDF: 10.8/16

Left Out: 42.767+/-8.698 χ^2/NDF:34.7/24

Right Out: -31.200+/-20.517 χ^2/NDF: 23.9/20

Left In: 7.785+/-8.974 χ^2/NDF:30.6/22

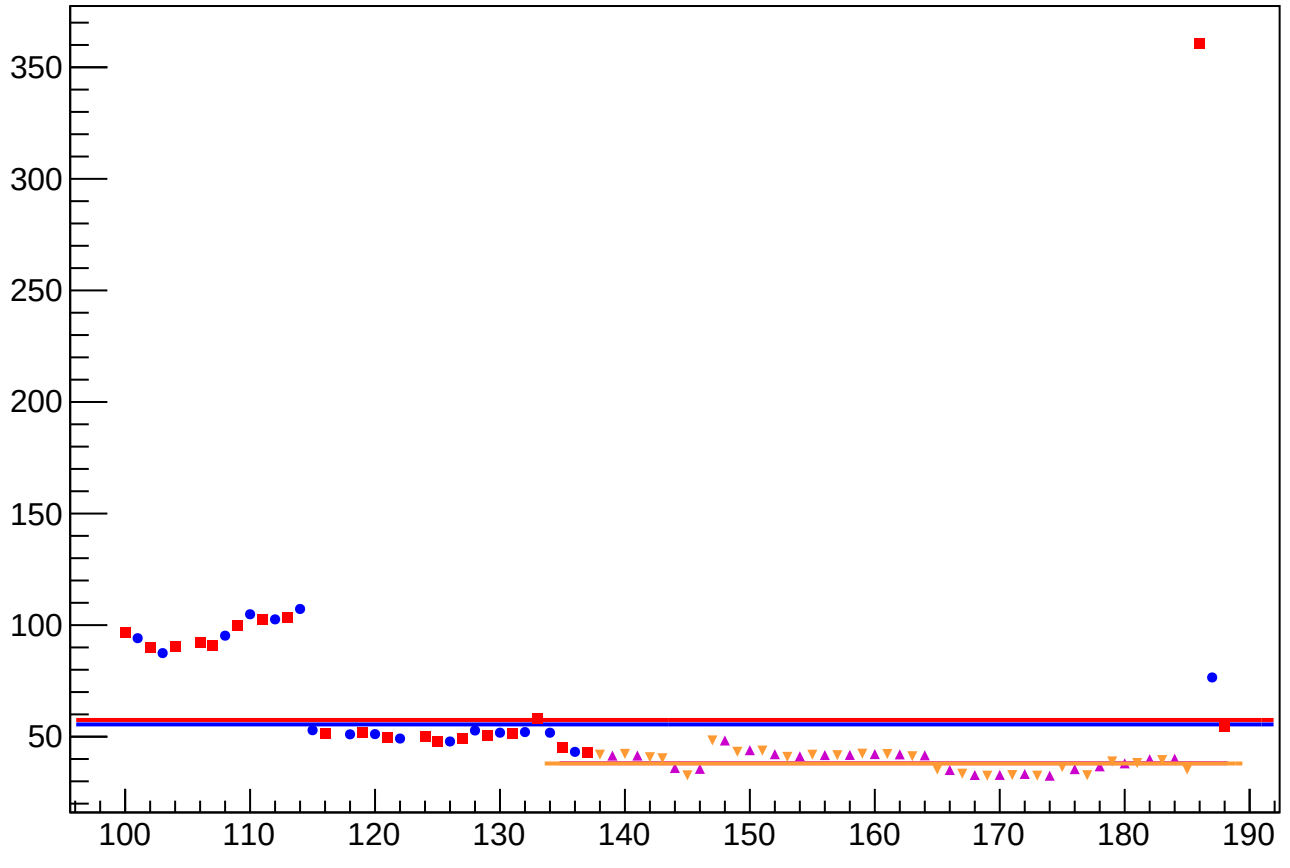
Left: 25.822+/-6.246 χ^2/NDF: 73.2/47

Right: -55.917+/-14.770 χ^2/NDF: 37.7/37

In: -5.849+/-8.269 χ^2/NDF:56.7/39

Out: 31.498+/-8.008 χ^2/NDF:69.7/45

All: 13.423+/-5.753 χ^2/NDF: 136.9/85



Right In: 55.505+/-0.015 χ^2/NDF: 1181136.1/16

Left Out: 37.990+/-0.006 χ^2/NDF:513605.5/24

Right Out: 57.500+/-0.015 χ^2/NDF: 1853766.7/20

Left In: 38.133+/-0.006 χ^2/NDF:428309.7/22

Left: 38.059+/-0.004 χ^2/NDF: 942176.9/47

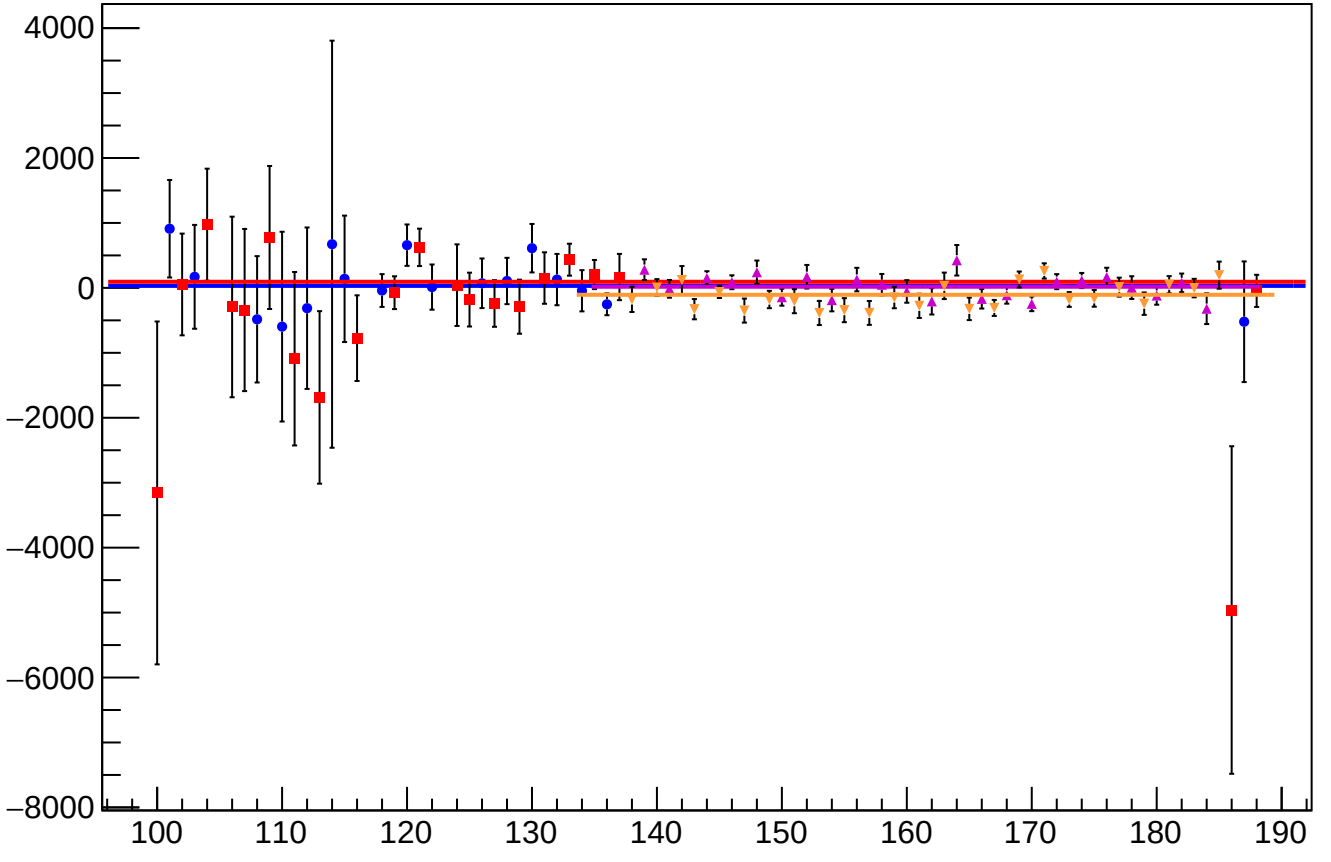
Right: 56.539+/-0.010 χ^2/NDF: 3044012.4/37

In: 40.756+/-0.006 χ^2/NDF:2741099.2/39

Out: 40.962+/-0.006 χ^2/NDF:3900334.2/45

All: 40.862+/-0.004 χ^2/NDF: 6642074.7/85

asym_sam_37_26_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 30.728+/-93.092 χ^2/NDF: 11.8/16

Left Out: -106.505+/-29.563 χ^2/NDF:37.6/24

Right Out: 93.995+/-89.339 χ^2/NDF: 20.0/20

Left In: 17.517+/-30.185 χ^2/NDF:28.2/22

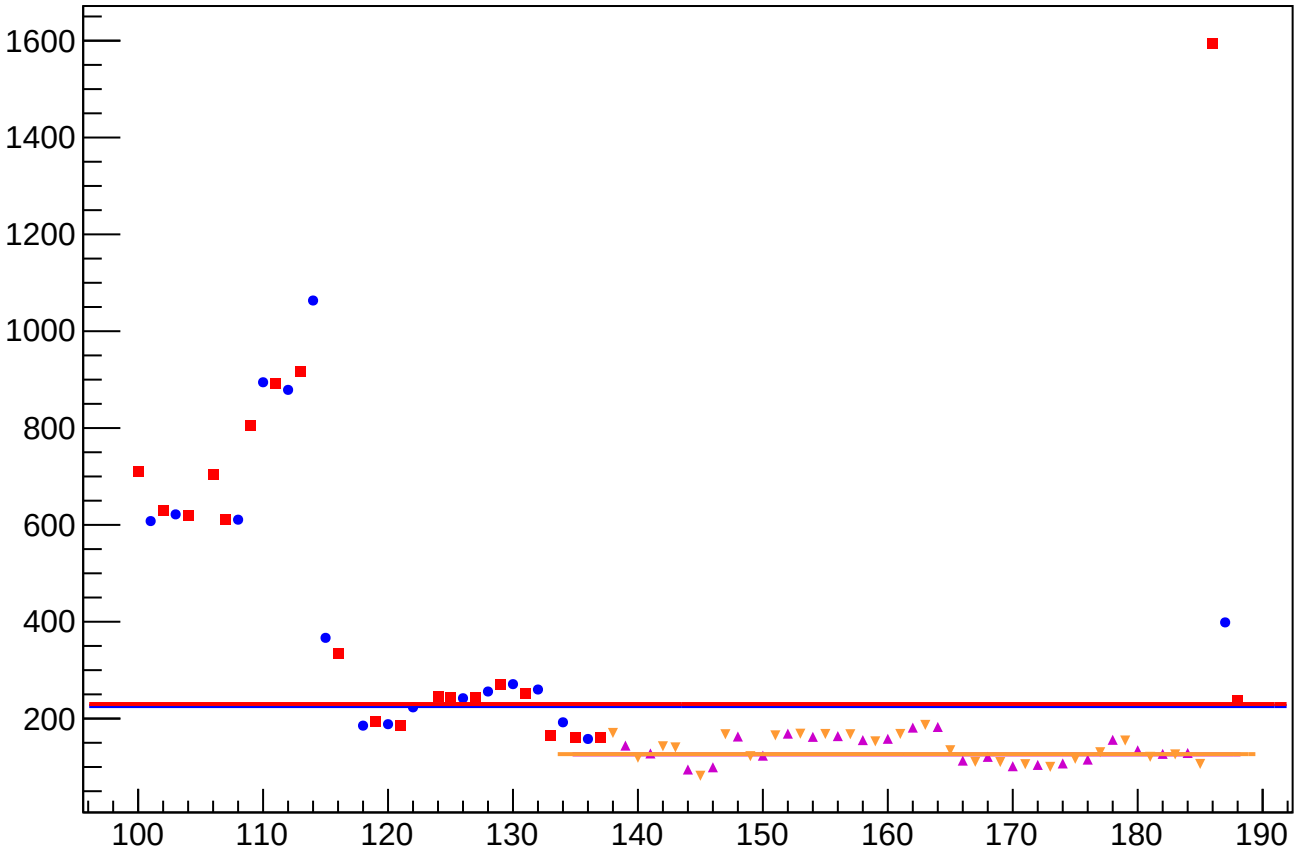
Left: -45.785+/-21.121 χ^2/NDF: 74.5/47

Right: 63.662+/-64.458 χ^2/NDF: 32.0/37

In: 18.774+/-28.714 χ^2/NDF:40.0/39

Out: -86.717+/-28.067 χ^2/NDF:62.2/45

All: -35.173+/-20.071 χ^2/NDF: 109.1/85



Right In: 225.795+/-0.066 χ^2/NDF: 3037968.0/16

Left Out: 126.561+/-0.021 χ^2/NDF:1758151.9/24

Right Out: 230.052+/-0.063 χ^2/NDF: 4160886.4/20

Left In: 126.013+/-0.021 χ^2/NDF:1410664.0/22

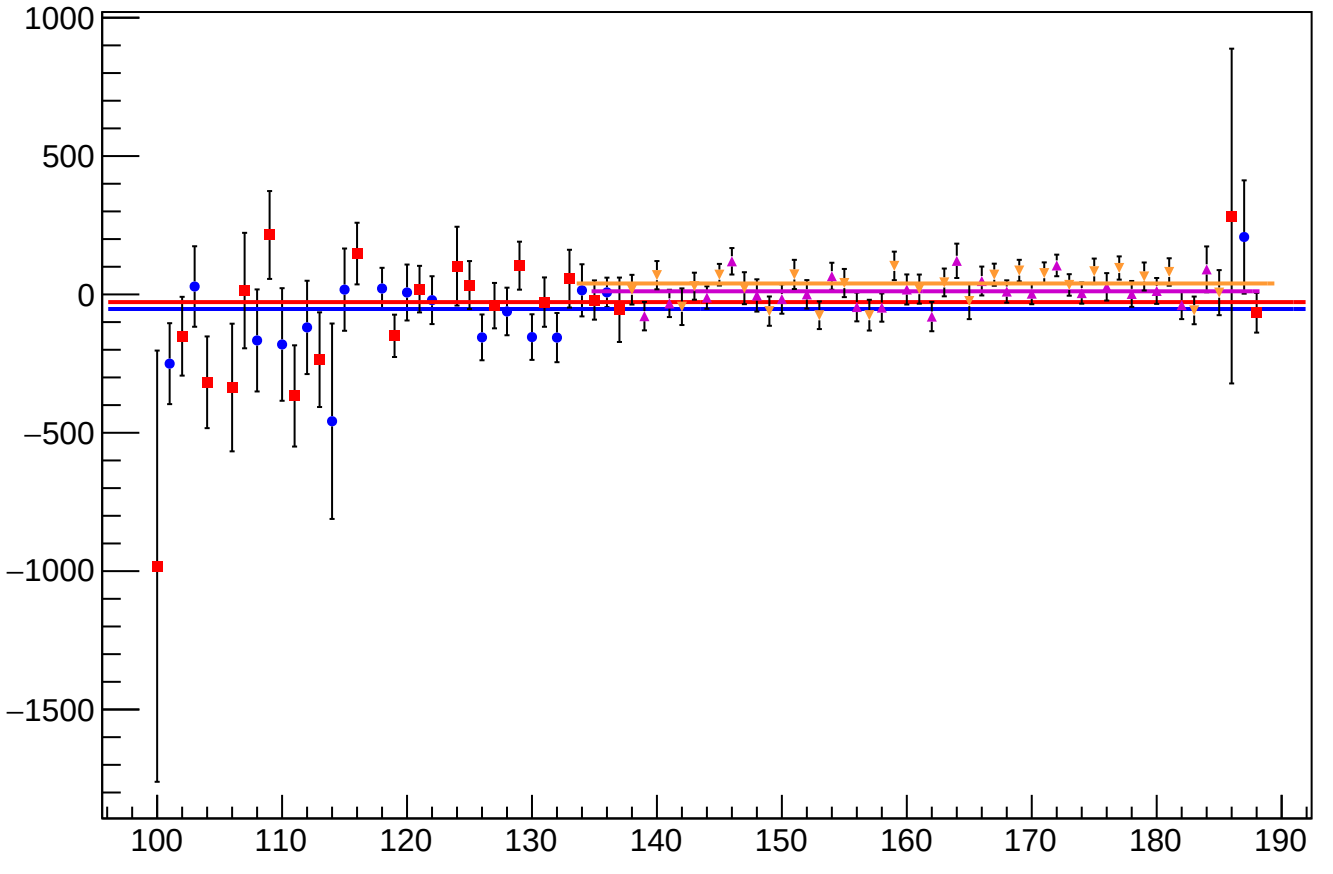
Left: 126.293+/-0.015 χ^2/NDF: 3169151.8/47

Right: 228.011+/-0.046 χ^2/NDF: 7201031.4/37

In: 135.506+/-0.020 χ^2/NDF:6527779.2/39

Out: 136.775+/-0.020 χ^2/NDF:8337943.6/45

All: 136.155+/-0.014 χ^2/NDF: 14867719.3/85



Right In: -52.690+/-24.315 χ^2/NDF: 13.9/16

Left Out: 39.563+/-9.745 χ^2/NDF:29.6/24

Right Out: -27.709+/-23.723 χ^2/NDF: 24.7/20

Left In: 11.306+/-10.077 χ^2/NDF:27.9/22

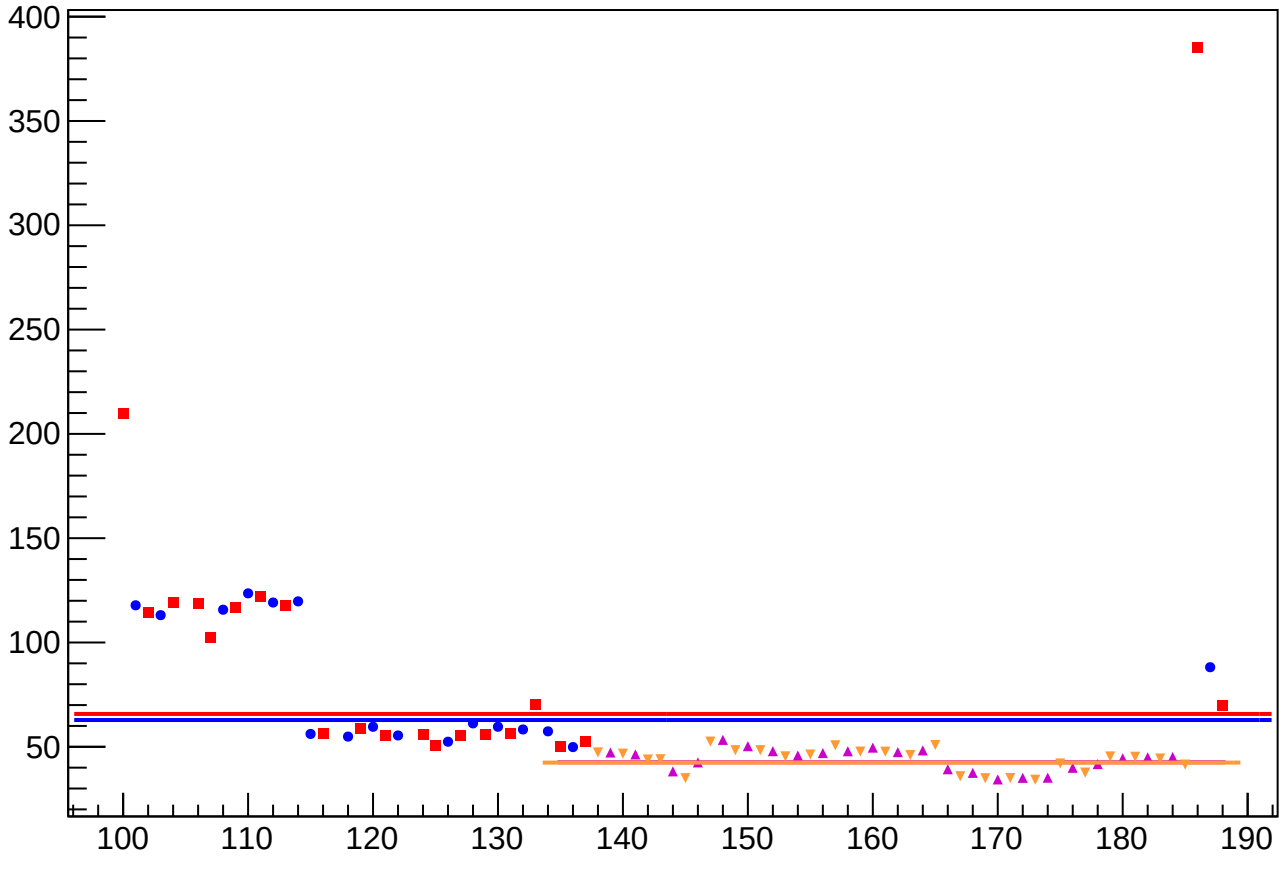
Left: 25.908+/-7.005 χ^2/NDF: 61.6/47

Right: -39.891+/-16.980 χ^2/NDF: 39.1/37

In: 1.926+/-9.309 χ^2/NDF:47.7/39

Out: 29.850+/-9.014 χ^2/NDF:61.2/45

All: 16.337+/-6.476 χ^2/NDF: 113.5/85



Right In: 62.836+/-0.017 χ^2/NDF: 1379237.5/16

Left Out: 42.426+/-0.007 χ^2/NDF:698766.0/24

Right Out: 65.746+/-0.017 χ^2/NDF: 2158555.7/20

Left In: 42.579+/-0.007 χ^2/NDF:589897.0/22

Left: 42.500+/-0.005 χ^2/NDF: 1288900.7/47

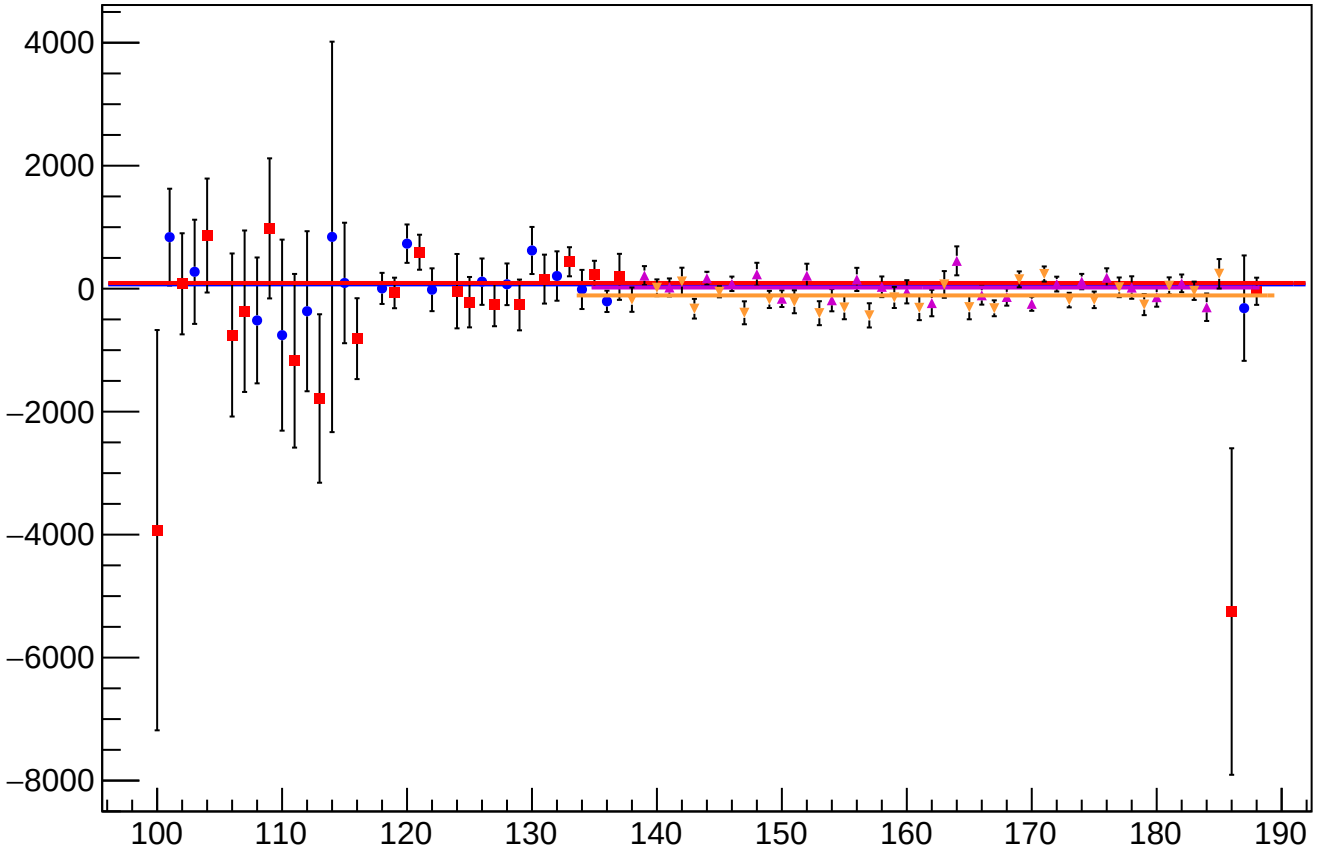
Right: 64.327+/-0.012 χ^2/NDF: 3552469.4/37

In: 45.548+/-0.007 χ^2/NDF:3153805.0/39

Out: 45.793+/-0.006 χ^2/NDF:4510951.5/45

All: 45.675+/-0.005 χ^2/NDF: 7665471.5/85

asym_sam_37_26_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 69.601+/-93.923 χ^2/NDF: 11.4/16

Left Out: -109.869+/-30.759 χ^2/NDF:36.3/24

Right Out: 92.687+/-86.978 χ^2/NDF: 20.9/20

Left In: 18.838+/-31.477 χ^2/NDF:27.2/22

Left: -47.000+/-21.999 χ^2/NDF: 72.0/47

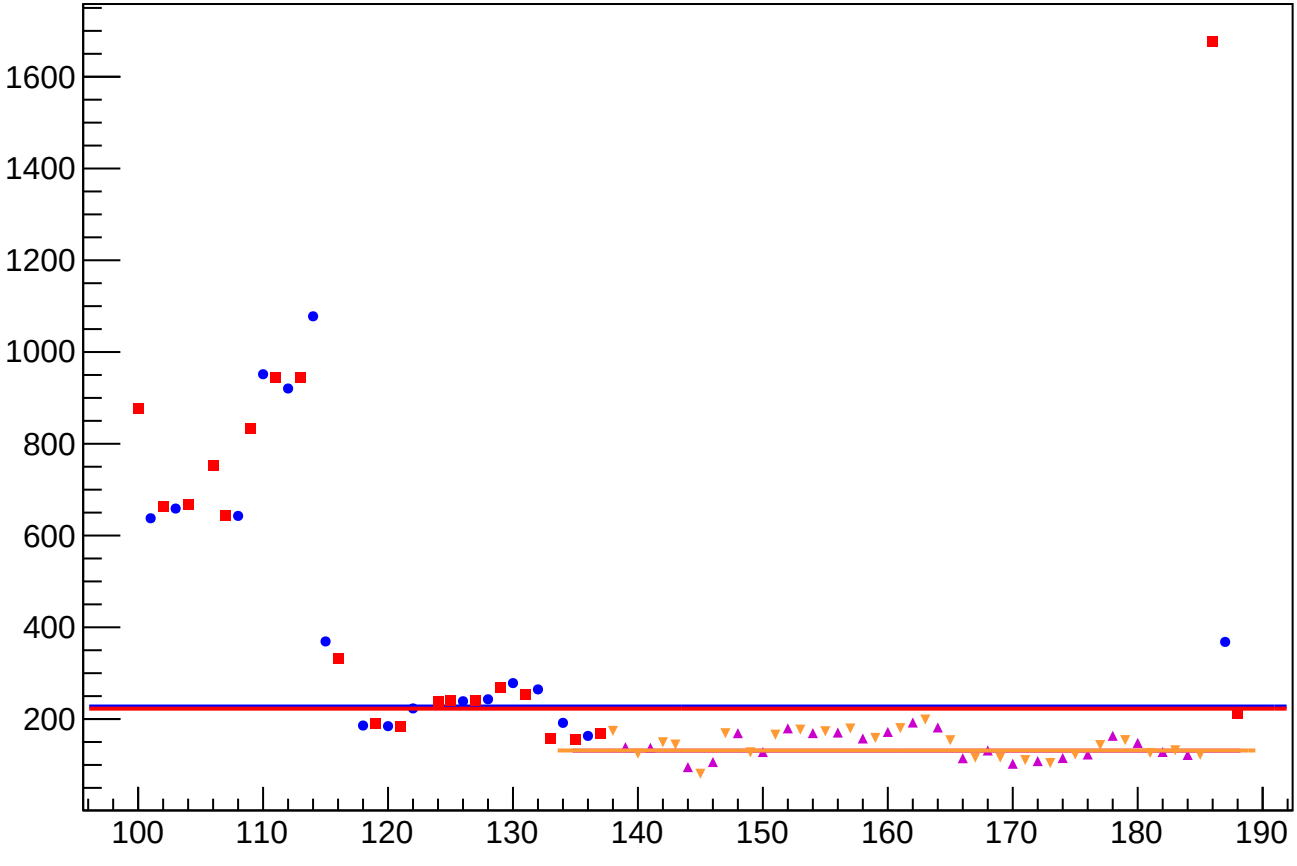
Right: 82.029+/-63.817 χ^2/NDF: 32.3/37

In: 23.964+/-29.845 χ^2/NDF:38.9/39

Out: -87.354+/-28.999 χ^2/NDF:62.0/45

All: -33.296+/-20.798 χ^2/NDF: 108.0/85

asym_sam_37_26_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 227.326+/-0.066 χ^2/NDF: 3080658.0/16

Left Out: 131.515+/-0.022 χ^2/NDF:1902958.8/24

Right Out: 222.689+/-0.062 χ^2/NDF: 4452571.1/20

Left In: 131.074+/-0.022 χ^2/NDF:1467806.6/22

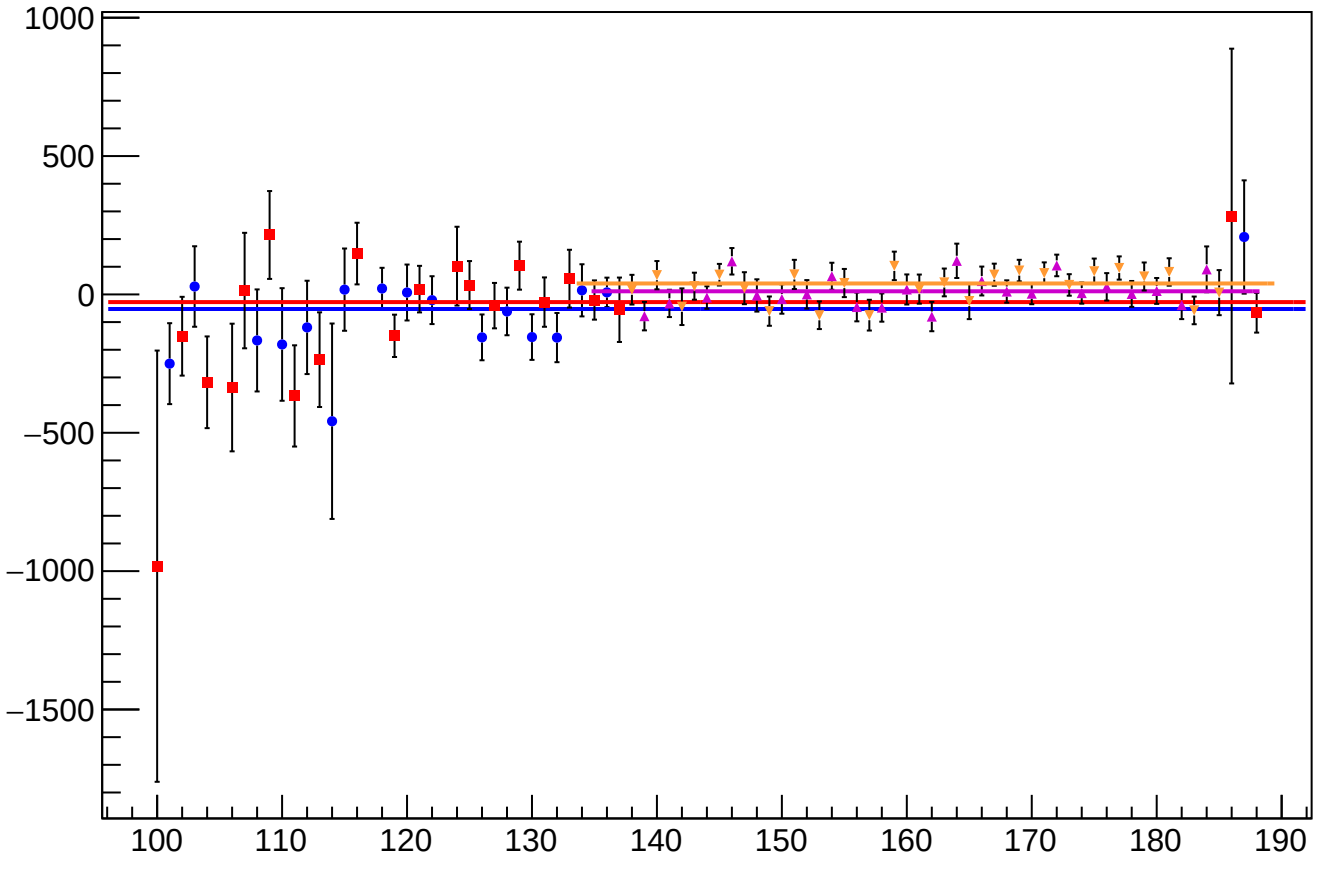
Left: 131.300+/-0.016 χ^2/NDF: 3370966.4/47

Right: 224.829+/-0.045 χ^2/NDF: 7535853.5/37

In: 140.793+/-0.021 χ^2/NDF:6436785.3/39

Out: 141.650+/-0.021 χ^2/NDF:8308857.0/45

All: 141.234+/-0.015 χ^2/NDF: 14746490.9/85



Right In: -52.691+/-24.315 χ^2/NDF: 13.9/16

Left Out: 39.564+/-9.745 χ^2/NDF:29.6/24

Right Out: -27.711+/-23.723 χ^2/NDF: 24.7/20

Left In: 11.306+/-10.077 χ^2/NDF:27.9/22

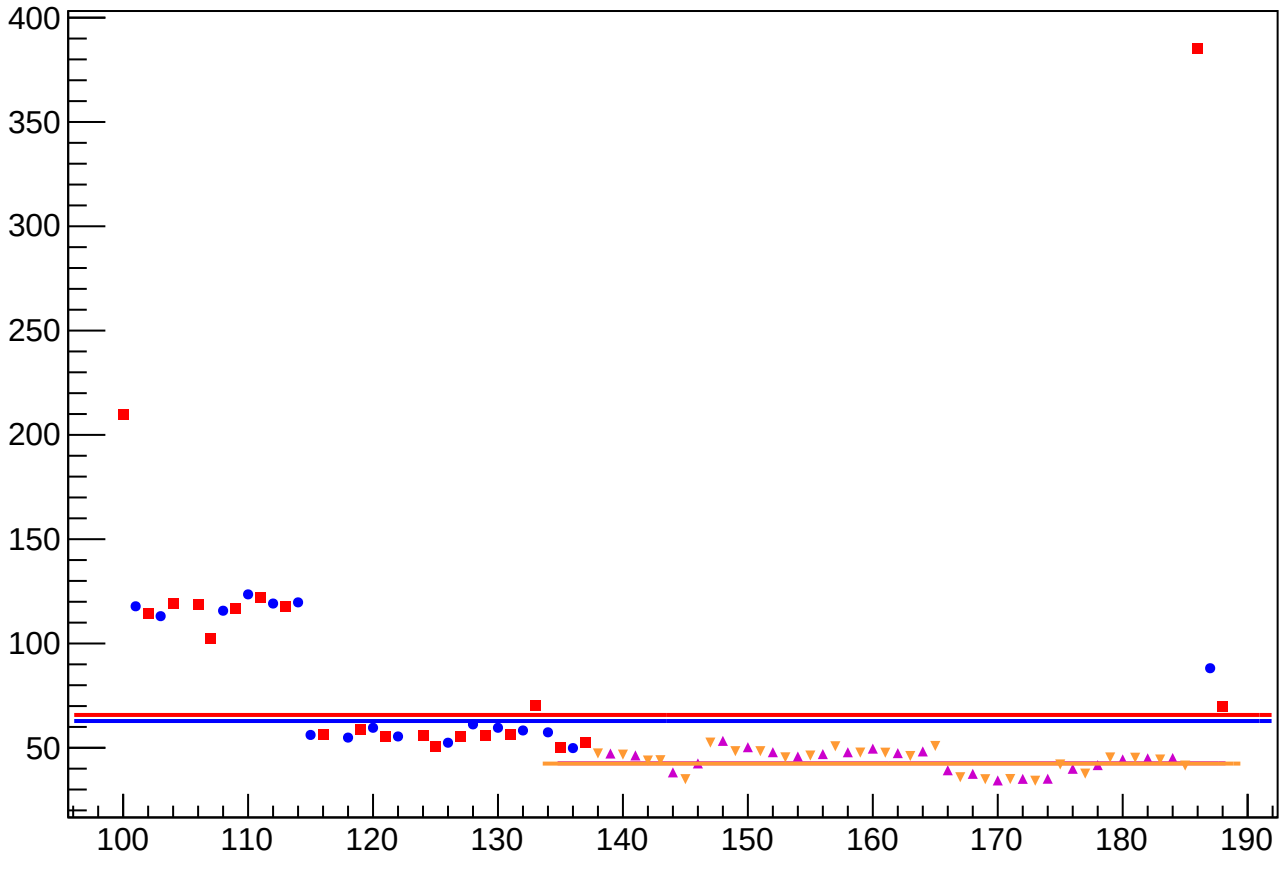
Left: 25.908+/-7.005 χ^2/NDF: 61.6/47

Right: -39.893+/-16.980 χ^2/NDF: 39.1/37

In: 1.925+/-9.309 χ^2/NDF:47.7/39

Out: 29.851+/-9.014 χ^2/NDF:61.2/45

All: 16.337+/-6.476 χ^2/NDF: 113.5/85



Right In: 62.836+/-0.017 χ^2/NDF: 1379220.9/16

Left Out: 42.426+/-0.007 χ^2/NDF:698784.4/24

Right Out: 65.746+/-0.017 χ^2/NDF: 2158541.9/20

Left In: 42.579+/-0.007 χ^2/NDF:589901.9/22

Left: 42.500+/-0.005 χ^2/NDF: 1288924.2/47

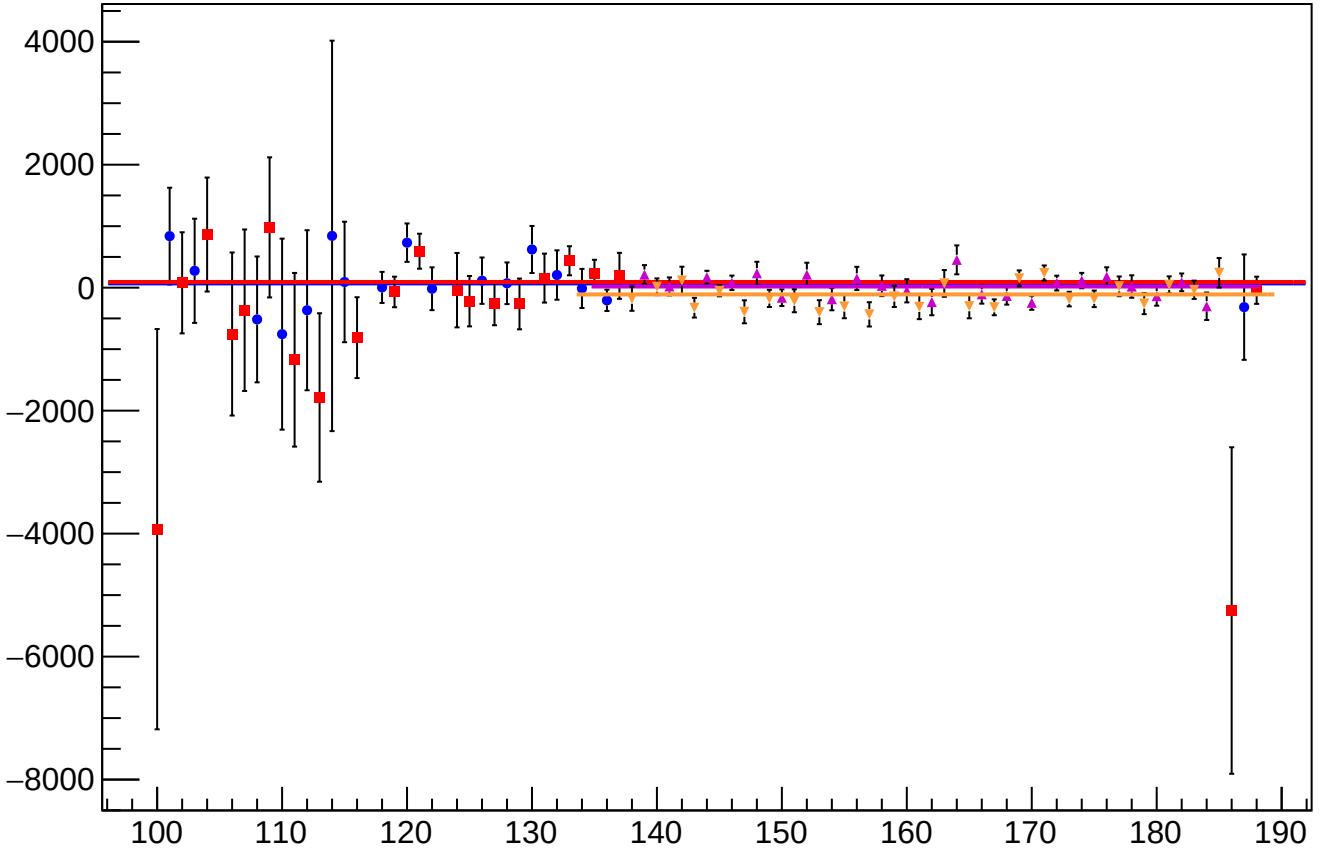
Right: 64.327+/-0.012 χ^2/NDF: 3552443.3/37

In: 45.548+/-0.007 χ^2/NDF:3153741.3/39

Out: 45.793+/-0.006 χ^2/NDF:4510947.4/45

All: 45.675+/-0.005 χ^2/NDF: 7665403.5/85

asym_sam_37_26_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 69.602+/-93.923 χ^2/NDF: 11.4/16

Left Out: -109.869+/-30.759 χ^2/NDF:36.3/24

Right Out: 92.684+/-86.978 χ^2/NDF: 20.9/20

Left In: 18.838+/-31.477 χ^2/NDF:27.2/22

Left: -47.000+/-21.999 χ^2/NDF: 72.0/47

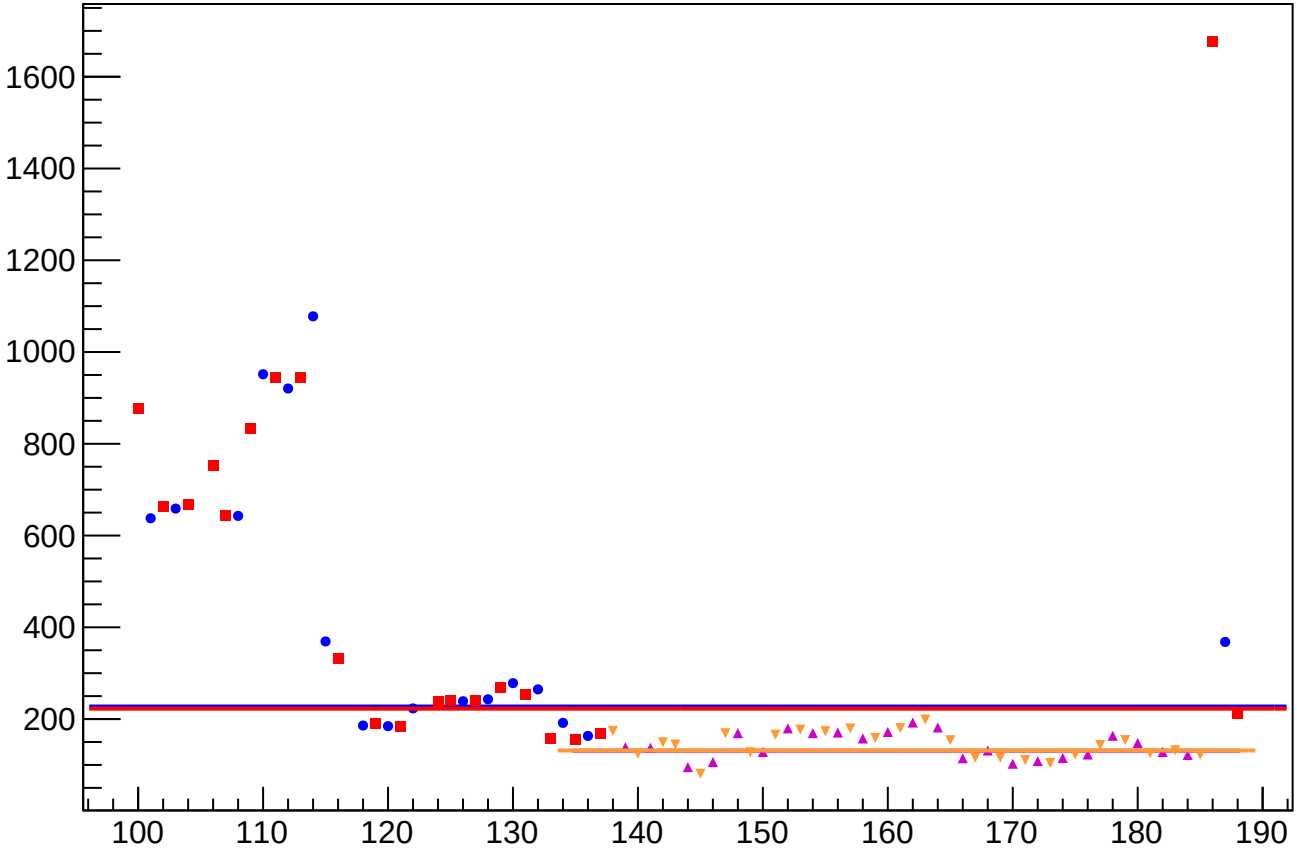
Right: 82.028+/-63.817 χ^2/NDF: 32.3/37

In: 23.964+/-29.845 χ^2/NDF:38.9/39

Out: -87.353+/-28.999 χ^2/NDF:62.0/45

All: -33.296+/-20.798 χ^2/NDF: 108.0/85

asym_sam_37_26_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 227.326+/-0.066 χ^2/NDF: 3080643.3/16

Left Out: 131.515+/-0.022 χ^2/NDF:1902951.8/24

Right Out: 222.688+/-0.062 χ^2/NDF: 4452554.5/20

Left In: 131.074+/-0.022 χ^2/NDF:1467810.7/22

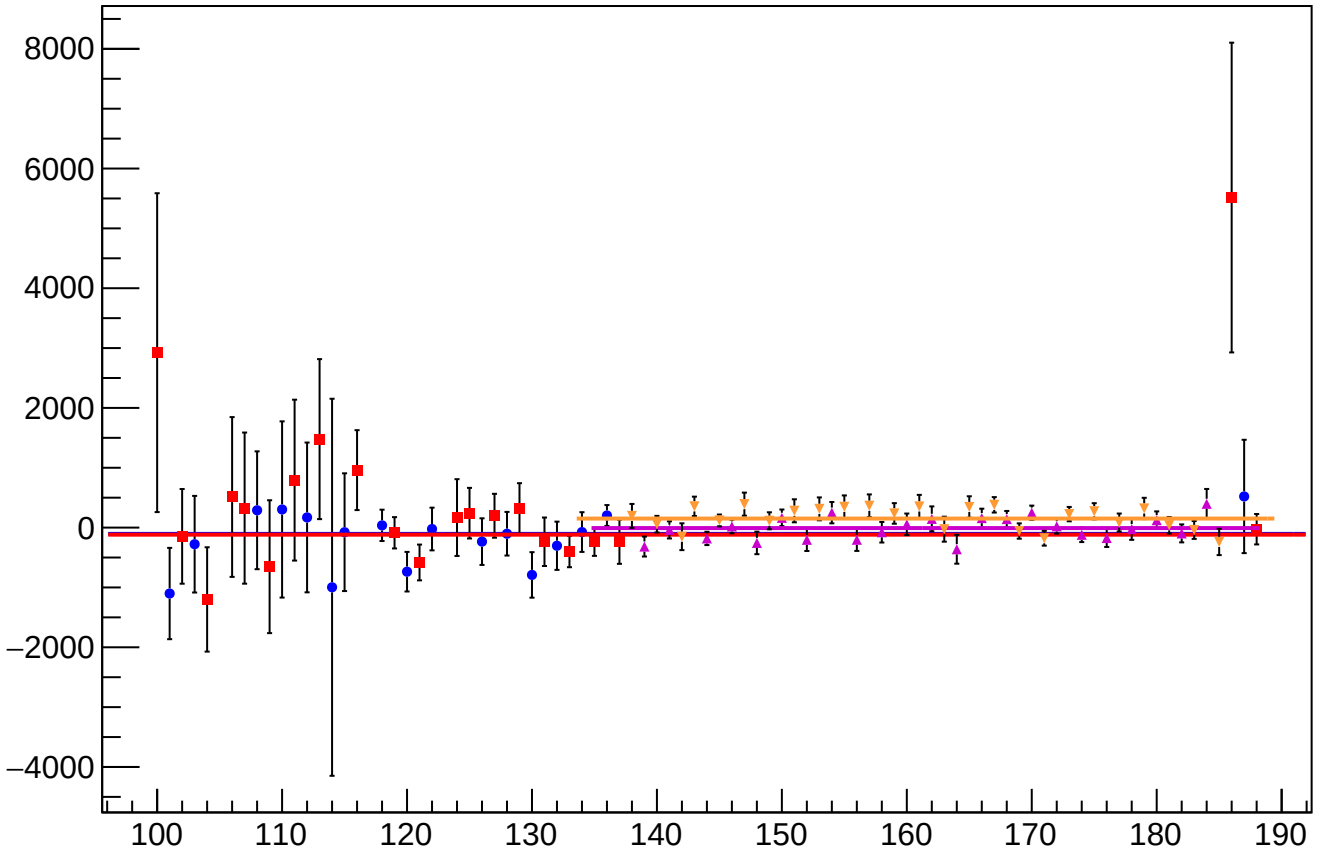
Left: 131.300+/-0.016 χ^2/NDF: 3370963.6/47

Right: 224.829+/-0.045 χ^2/NDF: 7535822.4/37

In: 140.793+/-0.021 χ^2/NDF:6436768.9/39

Out: 141.650+/-0.021 χ^2/NDF:8308823.5/45

All: 141.234+/-0.015 χ^2/NDF: 14746441.1/85



Right In: -105.409+/-96.053 χ^2/NDF: 13.3/16

Left Out: 151.108+/-30.952 χ^2/NDF:33.1/24

Right Out: -117.881+/-92.336 χ^2/NDF: 19.6/20

Left In: -7.941+/-31.621 χ^2/NDF:29.5/22

Left: 73.285+/-22.119 χ^2/NDF: 75.5/47

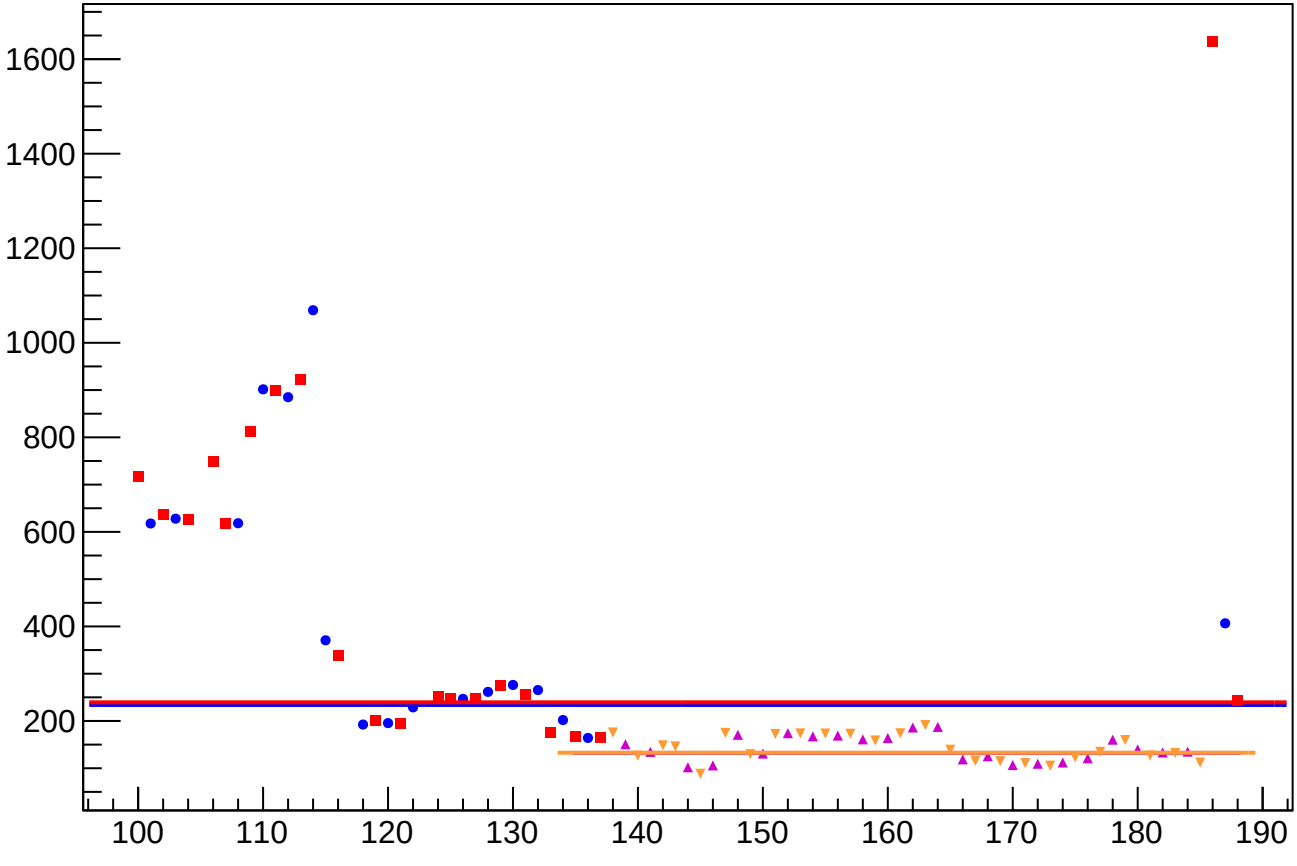
Right: -111.891+/-66.567 χ^2/NDF: 32.8/37

In: -17.471+/-30.035 χ^2/NDF:43.7/39

Out: 123.937+/-29.347 χ^2/NDF:60.3/45

All: 54.872+/-20.991 χ^2/NDF: 115.3/85

asym_sam_37_26_dd_rms vs Slug, Sign Corrected



Right In: 233.901+/-0.068 χ^2/NDF: 2952669.6/16

Left Out: 132.876+/-0.022 χ^2/NDF:1592310.5/24

Right Out: 239.429+/-0.065 χ^2/NDF: 4106766.5/20

Left In: 132.342+/-0.022 χ^2/NDF:1277761.6/22

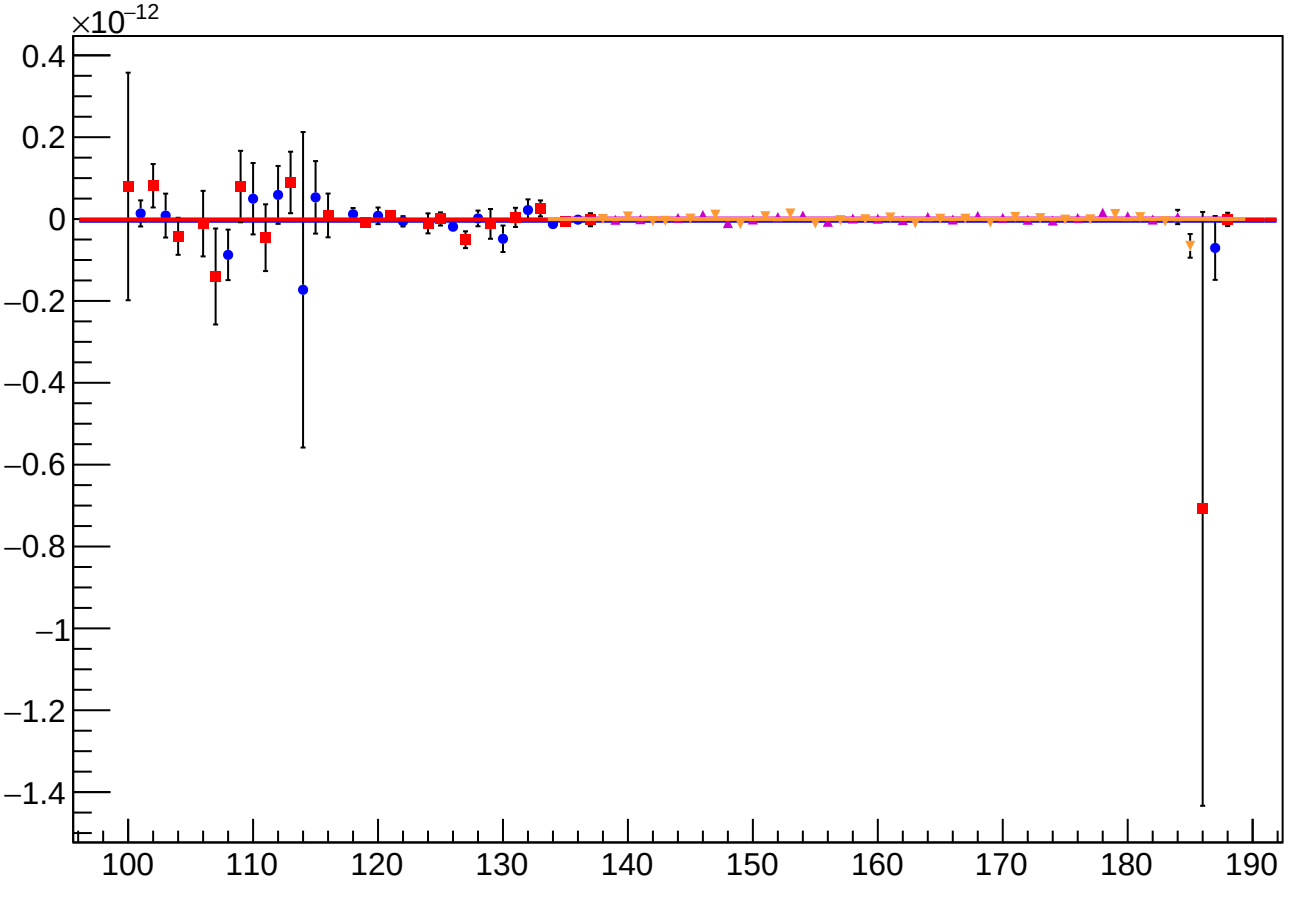
Left: 132.614+/-0.016 χ^2/NDF: 2870363.4/47

Right: 236.774+/-0.047 χ^2/NDF: 7062878.5/37

In: 142.272+/-0.021 χ^2/NDF:6247708.1/39

Out: 143.639+/-0.021 χ^2/NDF:8093333.2/45

All: 142.971+/-0.015 χ^2/NDF: 14343160.0/85



Right In: -0.000+/-0.000 χ^2/NDF: 12.2/16

Left Out: 0.000+/-0.000 χ^2/NDF:32.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 19.0/20

Left In: 0.000+/-0.000 χ^2/NDF:14.9/22

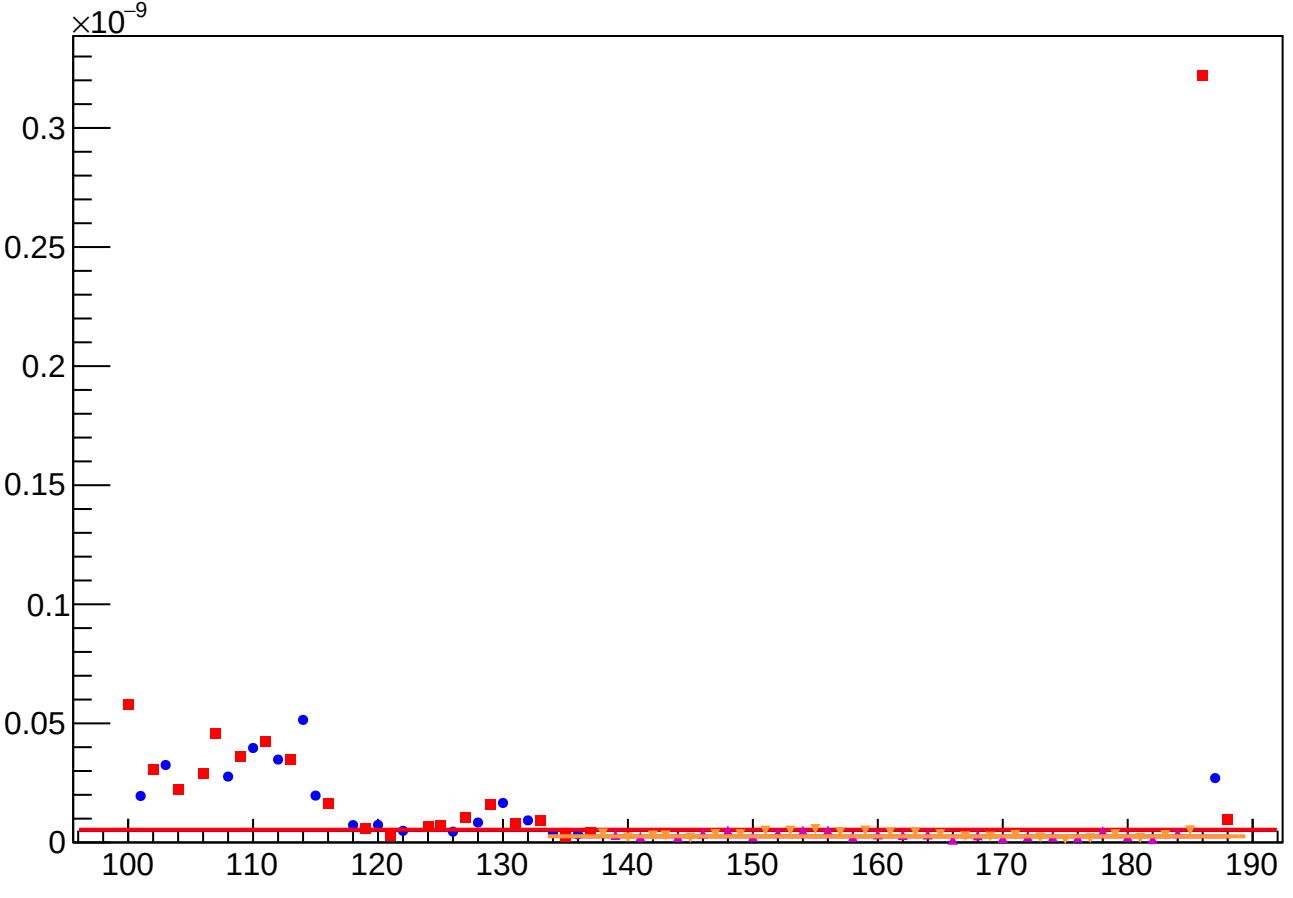
Left: 0.000+/-0.000 χ^2/NDF: 47.6/47

Right: -0.000+/-0.000 χ^2/NDF: 31.5/37

In: 0.000+/-0.000 χ^2/NDF:29.1/39

Out: 0.000+/-0.000 χ^2/NDF:51.3/45

All: 0.000+/-0.000 χ^2/NDF: 80.7/85



Right In: 0.000+/-0.000 χ^2/NDF: 2775347.1/16

Left Out: 0.000+/-0.000 χ^2/NDF:2174042.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3758289.8/20

Left In: 0.000+/-0.000 χ^2/NDF:1530752.8/22

Left: 0.000+/-0.000 χ^2/NDF: 3707099.3/47

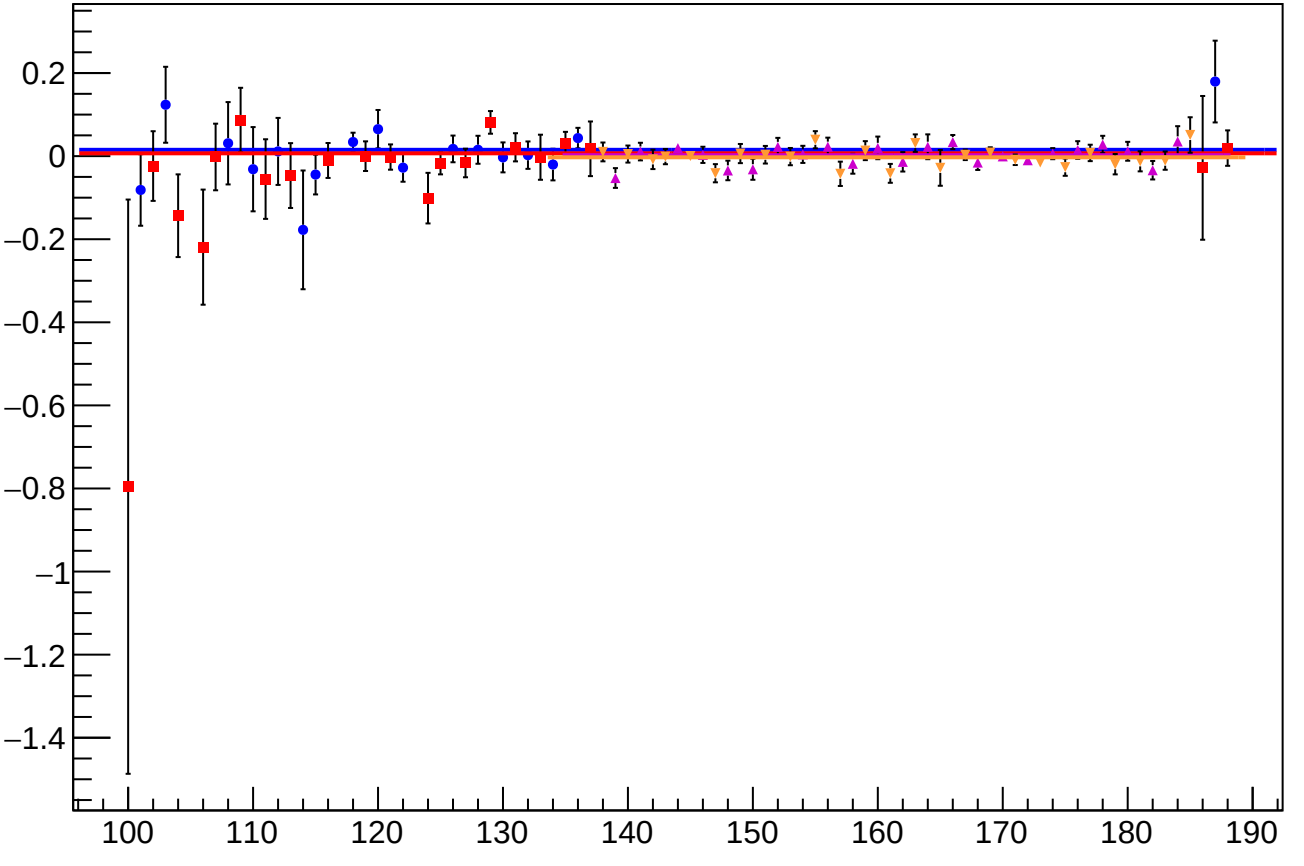
Right: 0.000+/-0.000 χ^2/NDF: 6535072.5/37

In: 0.000+/-0.000 χ^2/NDF:5294022.7/39

Out: 0.000+/-0.000 χ^2/NDF:6904023.6/45

All: 0.000+/-0.000 χ^2/NDF: 12198858.0/85

asym_sam_37_26_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.015+/-0.010 χ^2/NDF: 15.1/16

Left Out: -0.003+/-0.004 χ^2/NDF:22.6/24

Right Out: 0.007+/-0.010 χ^2/NDF: 21.6/20

Left In: 0.002+/-0.004 χ^2/NDF:26.9/22

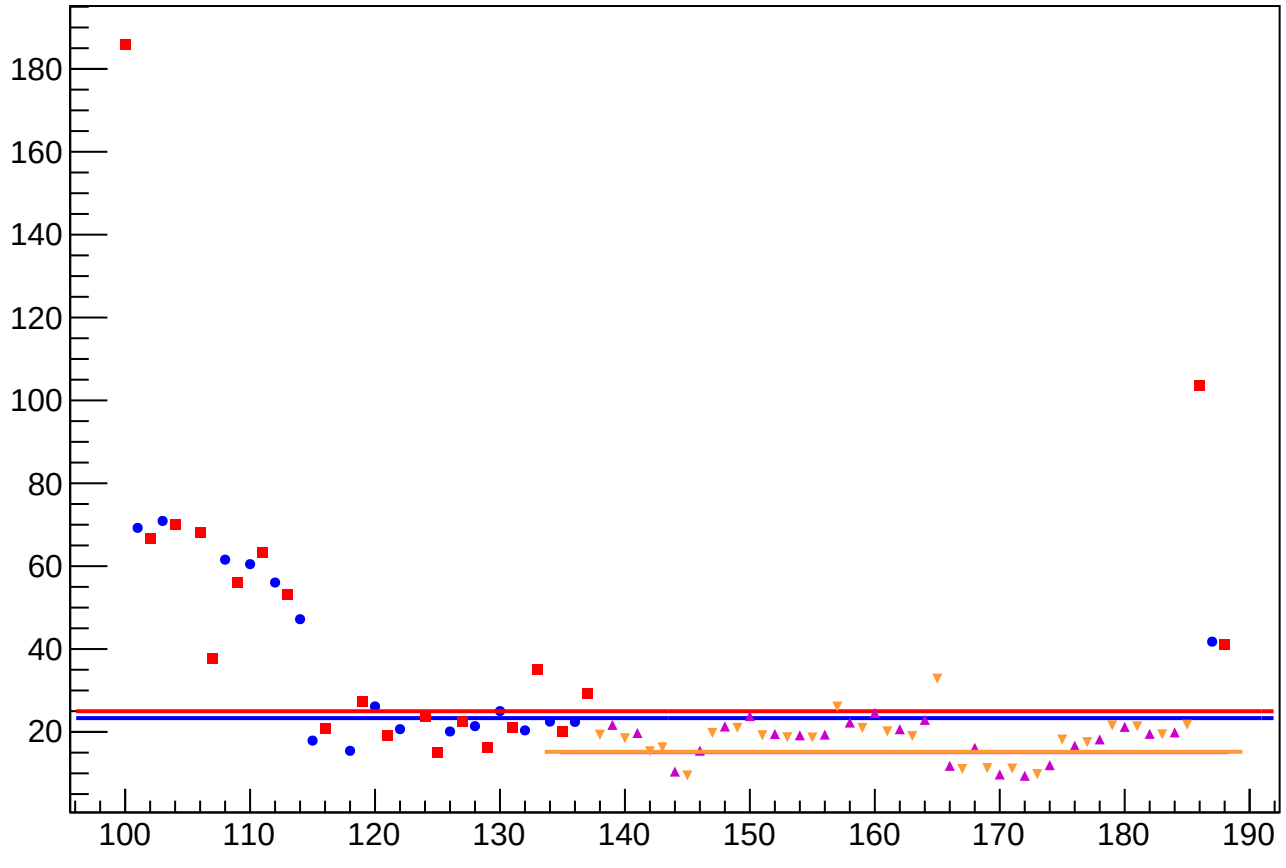
Left: -0.000+/-0.003 χ^2/NDF: 50.5/47

Right: 0.011+/-0.007 χ^2/NDF: 37.1/37

In: 0.004+/-0.004 χ^2/NDF:43.6/39

Out: -0.002+/-0.003 χ^2/NDF:45.1/45

All: 0.001+/-0.002 χ^2/NDF: 89.9/85



Right In: 23.330+/-0.007 χ^2/NDF: 2477421.9/16

Left Out: 15.202+/-0.003 χ^2/NDF:3441921.2/24

Right Out: 24.987+/-0.007 χ^2/NDF: 3622894.7/20

Left In: 15.116+/-0.003 χ^2/NDF:3402288.3/22

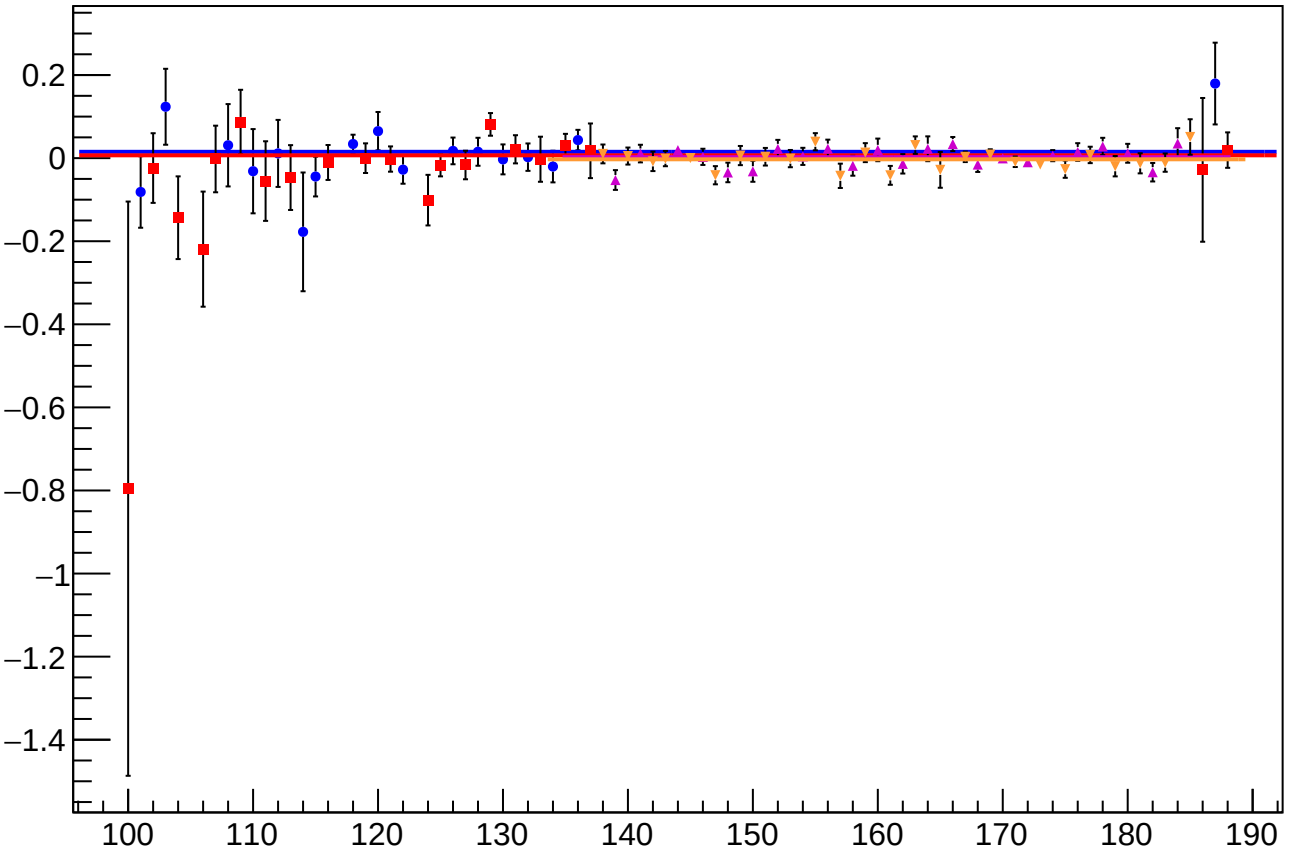
Left: 15.161+/-0.002 χ^2/NDF: 6844723.3/47

Right: 24.159+/-0.005 χ^2/NDF: 6128975.5/37

In: 16.203+/-0.003 χ^2/NDF:7099278.5/39

Out: 16.429+/-0.002 χ^2/NDF:8814857.4/45

All: 16.319+/-0.002 χ^2/NDF: 15918283.6/85



Right In: 0.015+/-0.010 χ^2/NDF: 15.1/16

Left Out: -0.003+/-0.004 χ^2/NDF:22.6/24

Right Out: 0.007+/-0.010 χ^2/NDF: 21.6/20

Left In: 0.002+/-0.004 χ^2/NDF:26.9/22

Left: -0.000+/-0.003 χ^2/NDF: 50.5/47

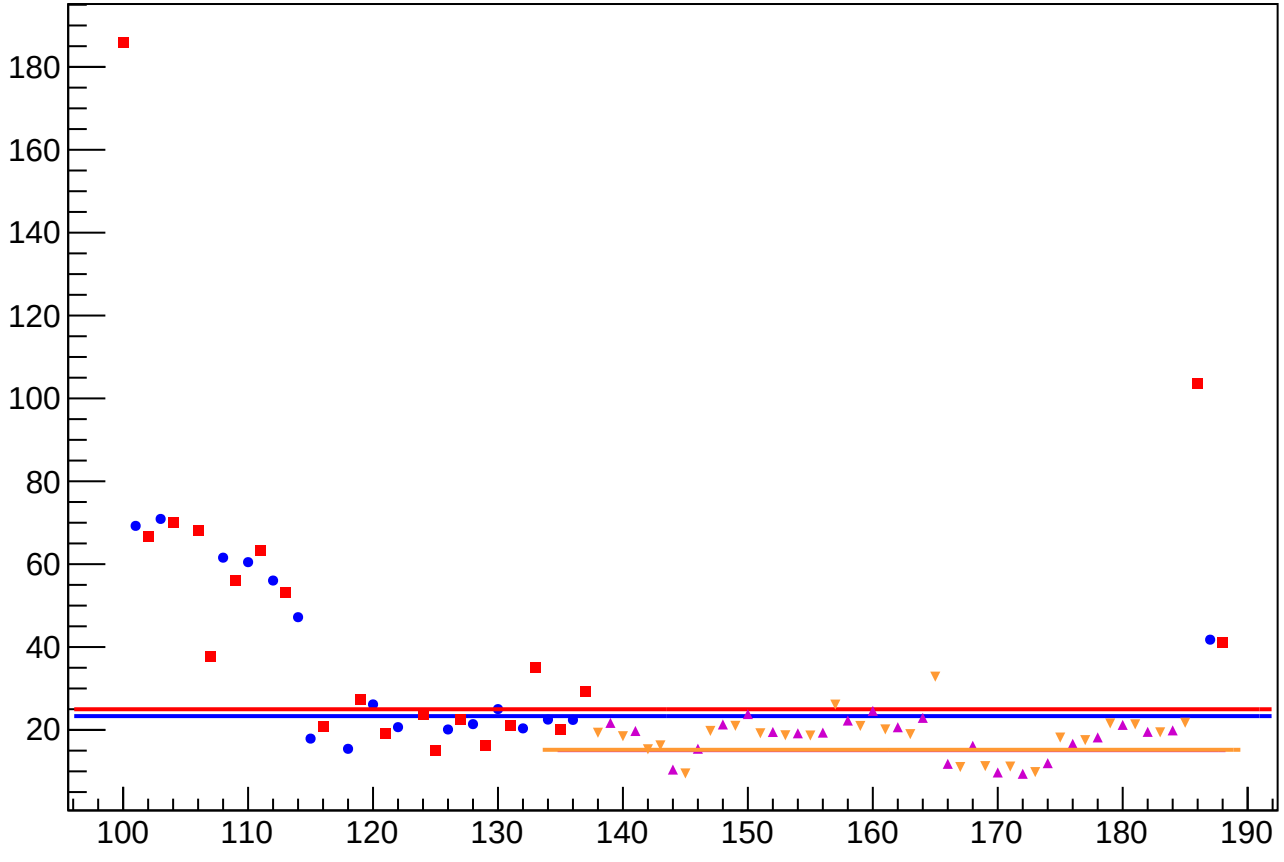
Right: 0.011+/-0.007 χ^2/NDF: 37.1/37

In: 0.004+/-0.004 χ^2/NDF:43.6/39

Out: -0.002+/-0.003 χ^2/NDF:45.1/45

All: 0.001+/-0.002 χ^2/NDF: 89.9/85

asym_sam_37_26_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 23.330+/-0.007 χ^2/NDF: 2477421.9/16

Left Out: 15.202+/-0.003 χ^2/NDF:3441921.2/24

Right Out: 24.987+/-0.007 χ^2/NDF: 3622894.7/20

Left In: 15.116+/-0.003 χ^2/NDF:3402288.3/22

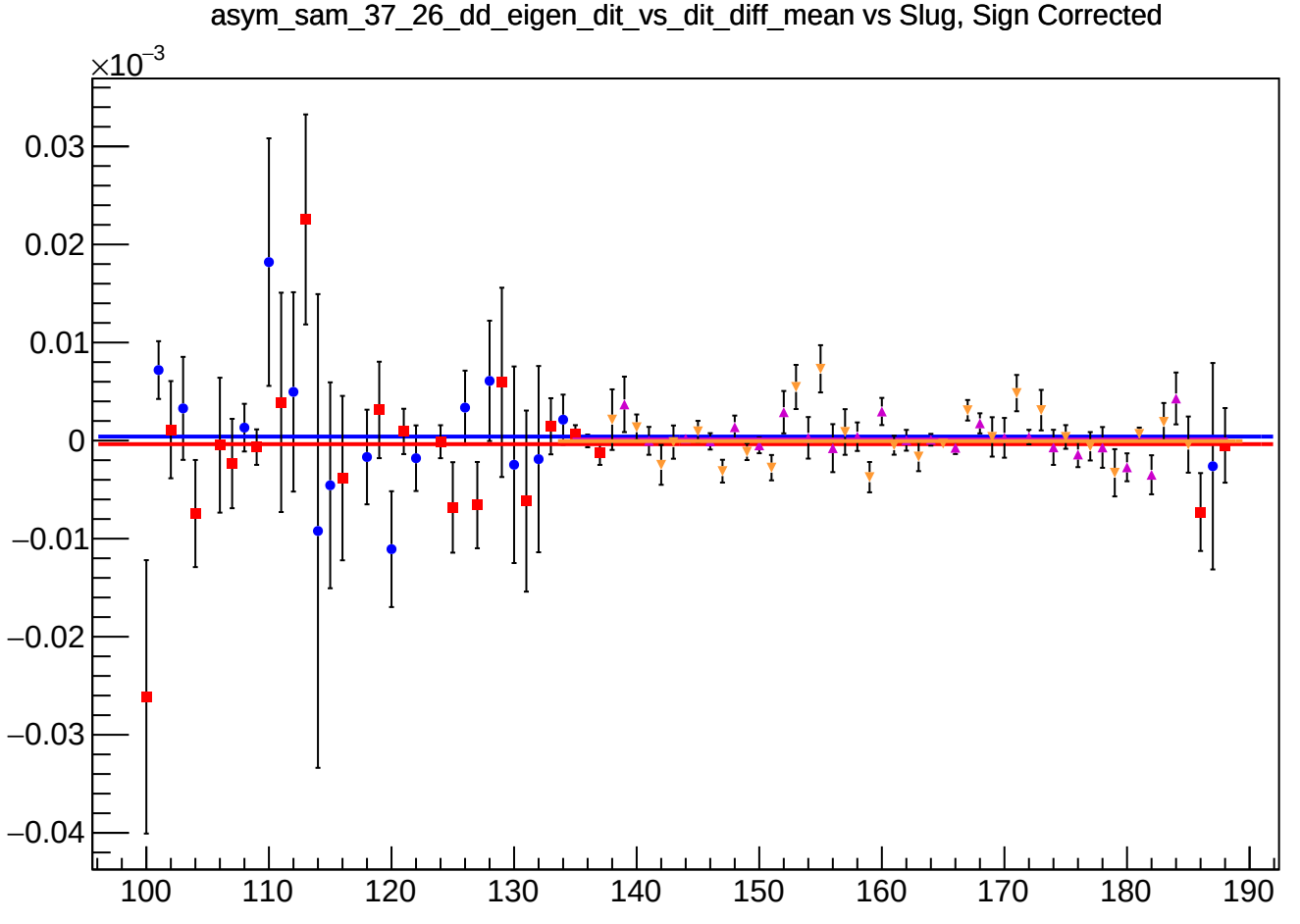
Left: 15.161+/-0.002 χ^2/NDF: 6844723.3/47

Right: 24.159+/-0.005 χ^2/NDF: 6128975.5/37

In: 16.203+/-0.003 χ^2/NDF:7099278.5/39

Out: 16.429+/-0.002 χ^2/NDF:8814857.4/45

All: 16.319+/-0.002 χ^2/NDF: 15918283.6/85



Right In: 0.000+/-0.000 χ^2/NDF: 15.3/16

Left Out: -0.000+/-0.000 χ^2/NDF:62.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 21.0/20

Left In: 0.000+/-0.000 χ^2/NDF:25.5/22

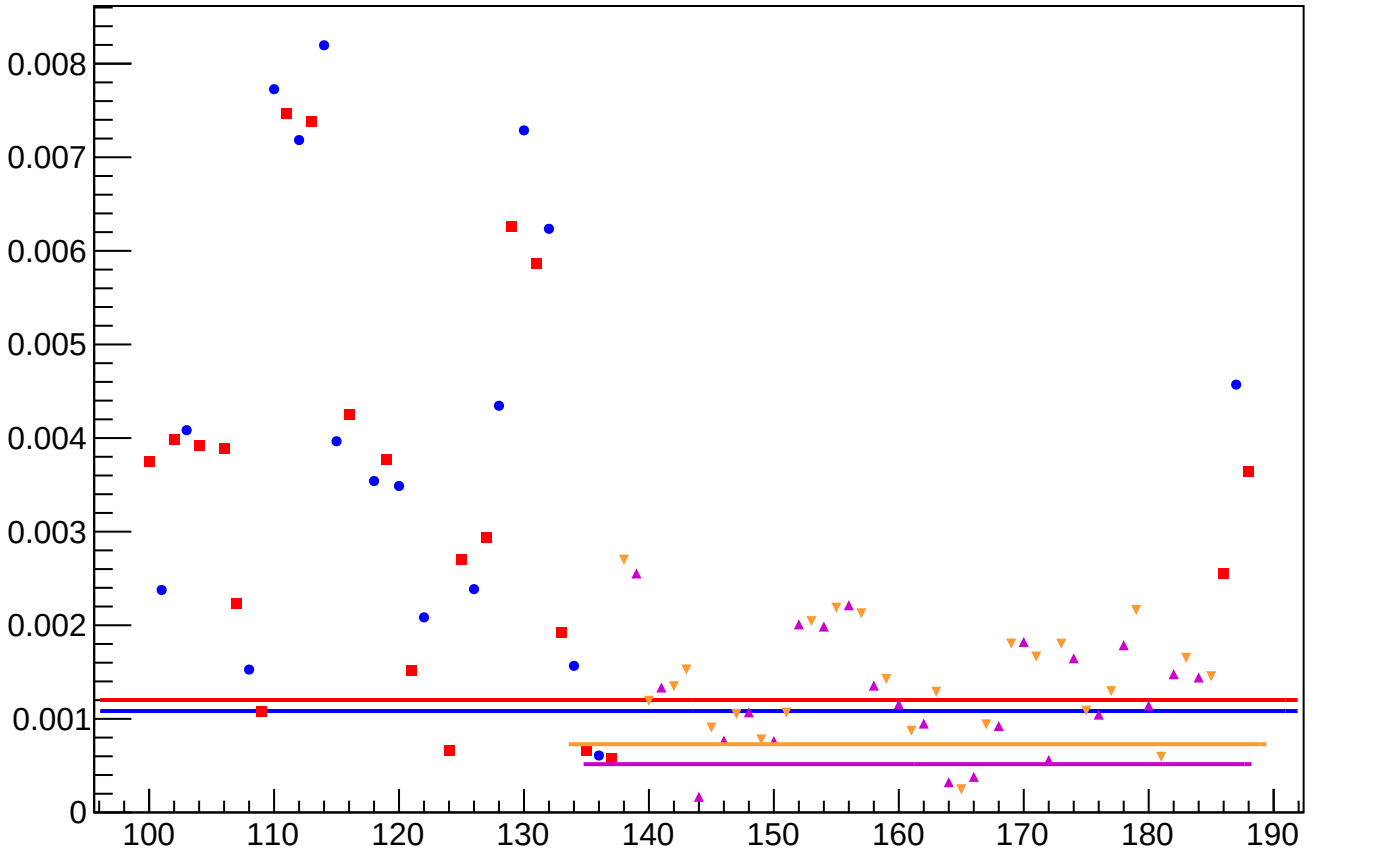
Left: 0.000+/-0.000 χ^2/NDF: 88.7/47

Right: 0.000+/-0.000 χ^2/NDF: 37.3/37

In: 0.000+/-0.000 χ^2/NDF:41.1/39

Out: -0.000+/-0.000 χ^2/NDF:84.1/45

All: 0.000+/-0.000 χ^2/NDF: 126.0/85



Right In: 0.001+/-0.000 χ^2/NDF: 7265502.3/16

Left Out: 0.001+/-0.000 χ^2/NDF:13120515.6/24

Right Out: 0.001+/-0.000 χ^2/NDF: 7890286.3/20

Left In: 0.001+/-0.000 χ^2/NDF:15027708.0/22

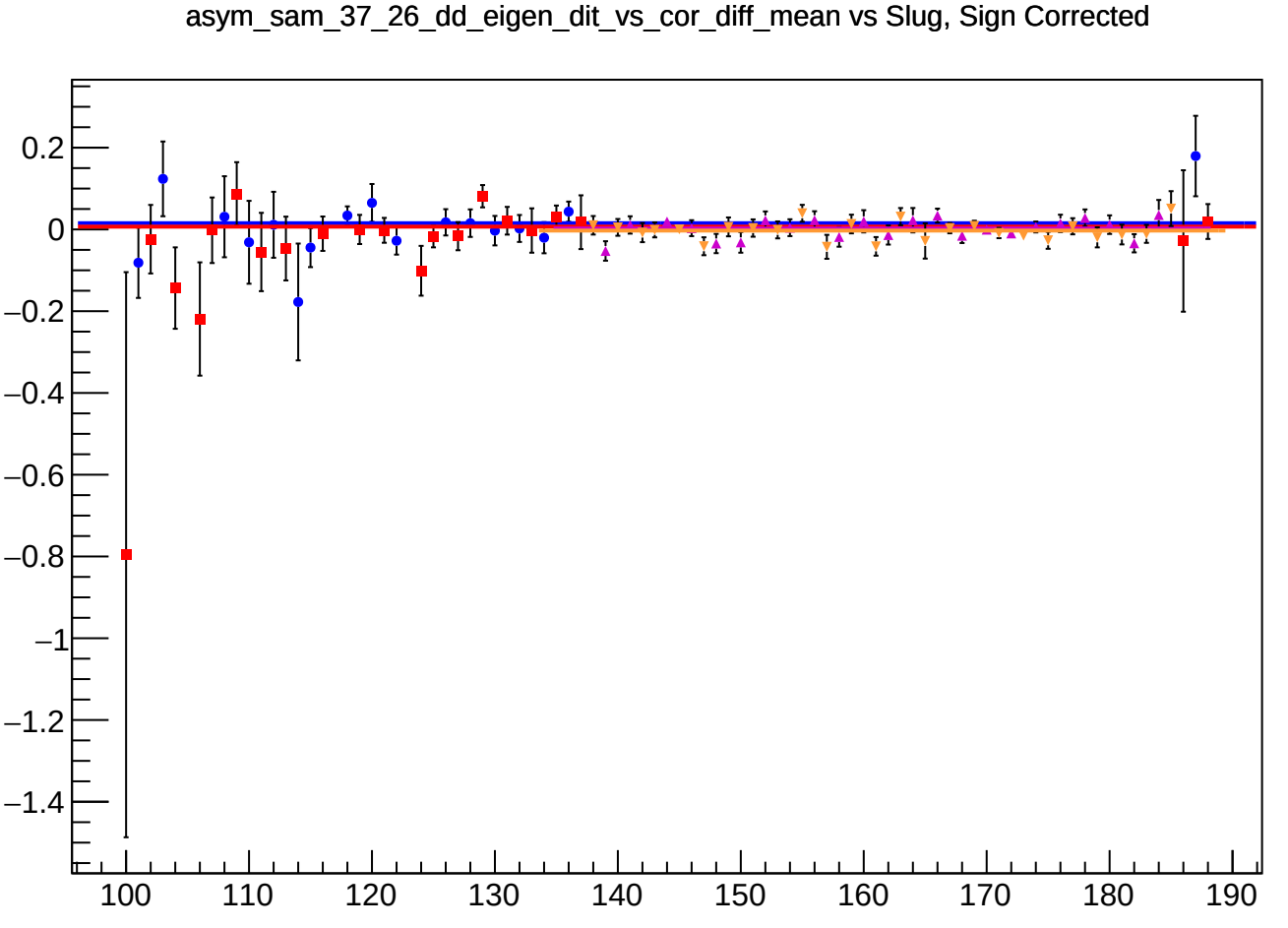
Left: 0.001+/-0.000 χ^2/NDF: 29374928.0/47

Right: 0.001+/-0.000 χ^2/NDF: 15200175.2/37

In: 0.001+/-0.000 χ^2/NDF:24161400.0/39

Out: 0.001+/-0.000 χ^2/NDF:22274688.7/45

All: 0.001+/-0.000 χ^2/NDF: 47909596.3/85



Right In: 0.015+/-0.010 χ^2/NDF: 15.1/16

Left Out: -0.003+/-0.004 χ^2/NDF:22.6/24

Right Out: 0.007+/-0.010 χ^2/NDF: 21.6/20

Left In: 0.002+/-0.004 χ^2/NDF:26.9/22

Left: -0.000+/-0.003 χ^2/NDF: 50.5/47

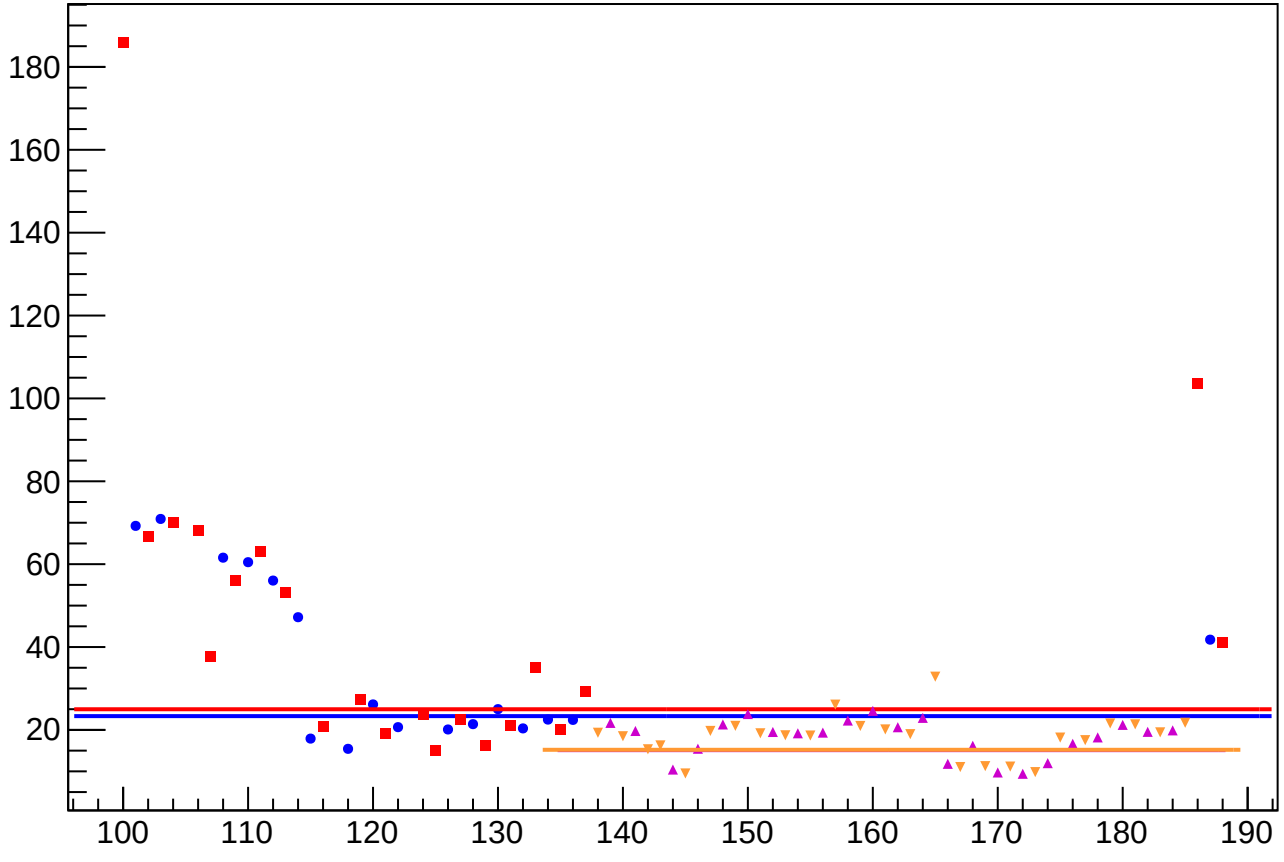
Right: 0.011+/-0.007 χ^2/NDF: 37.1/37

In: 0.004+/-0.004 χ^2/NDF:43.6/39

Out: -0.002+/-0.003 χ^2/NDF:45.1/45

All: 0.001+/-0.002 χ^2/NDF: 89.9/85

asym_sam_37_26_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 23.328+/-0.007 χ^2/NDF: 2477465.2/16

Left Out: 15.202+/-0.003 χ^2/NDF:3442015.2/24

Right Out: 24.986+/-0.007 χ^2/NDF: 3622925.5/20

Left In: 15.117+/-0.003 χ^2/NDF:3402318.1/22

Left: 15.161+/-0.002 χ^2/NDF: 6844846.5/47

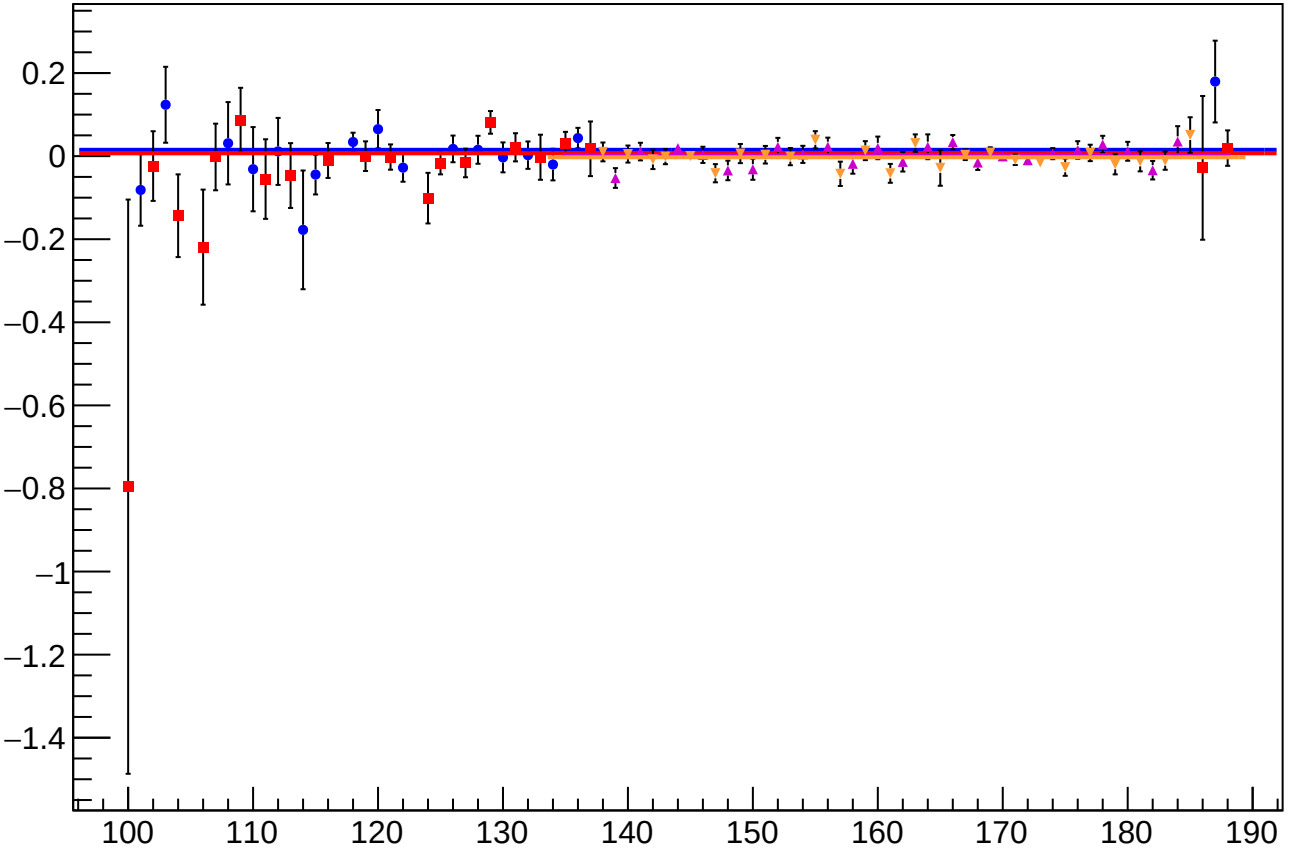
Right: 24.159+/-0.005 χ^2/NDF: 6129076.2/37

In: 16.203+/-0.003 χ^2/NDF:7099048.0/39

Out: 16.429+/-0.002 χ^2/NDF:8814821.0/45

All: 16.319+/-0.002 χ^2/NDF: 15918016.8/85

asym_sam_37_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.015+/-0.010 χ^2/NDF: 15.1/16

Left Out: -0.003+/-0.004 χ^2/NDF:22.6/24

Right Out: 0.007+/-0.010 χ^2/NDF: 21.6/20

Left In: 0.002+/-0.004 χ^2/NDF:26.9/22

Left: -0.000+/-0.003 χ^2/NDF: 50.5/47

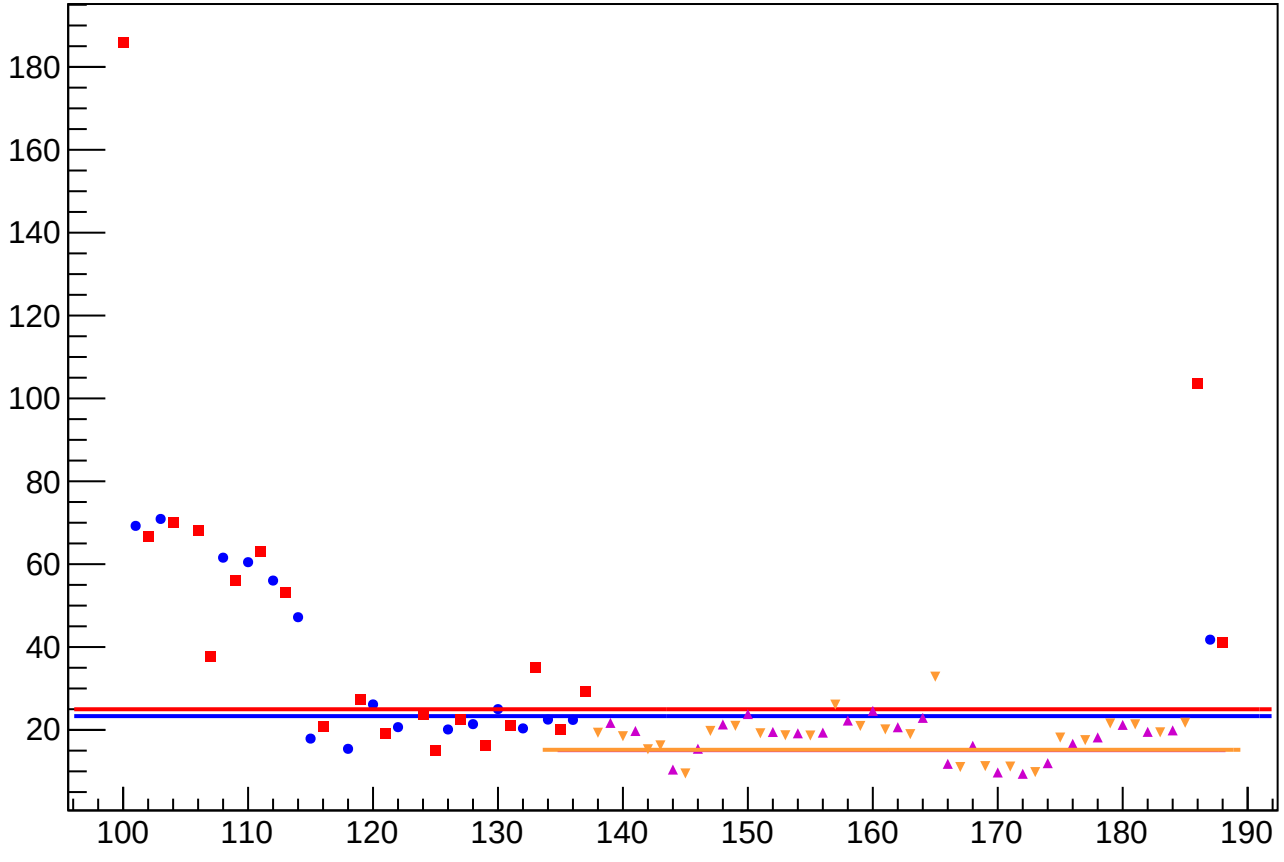
Right: 0.011+/-0.007 χ^2/NDF: 37.1/37

In: 0.004+/-0.004 χ^2/NDF:43.6/39

Out: -0.002+/-0.003 χ^2/NDF:45.1/45

All: 0.001+/-0.002 χ^2/NDF: 89.9/85

asym_sam_37_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 23.328+/-0.007 χ^2/NDF: 2477465.2/16

Left Out: 15.202+/-0.003 χ^2/NDF:3442015.2/24

Right Out: 24.986+/-0.007 χ^2/NDF: 3622925.5/20

Left In: 15.117+/-0.003 χ^2/NDF:3402318.1/22

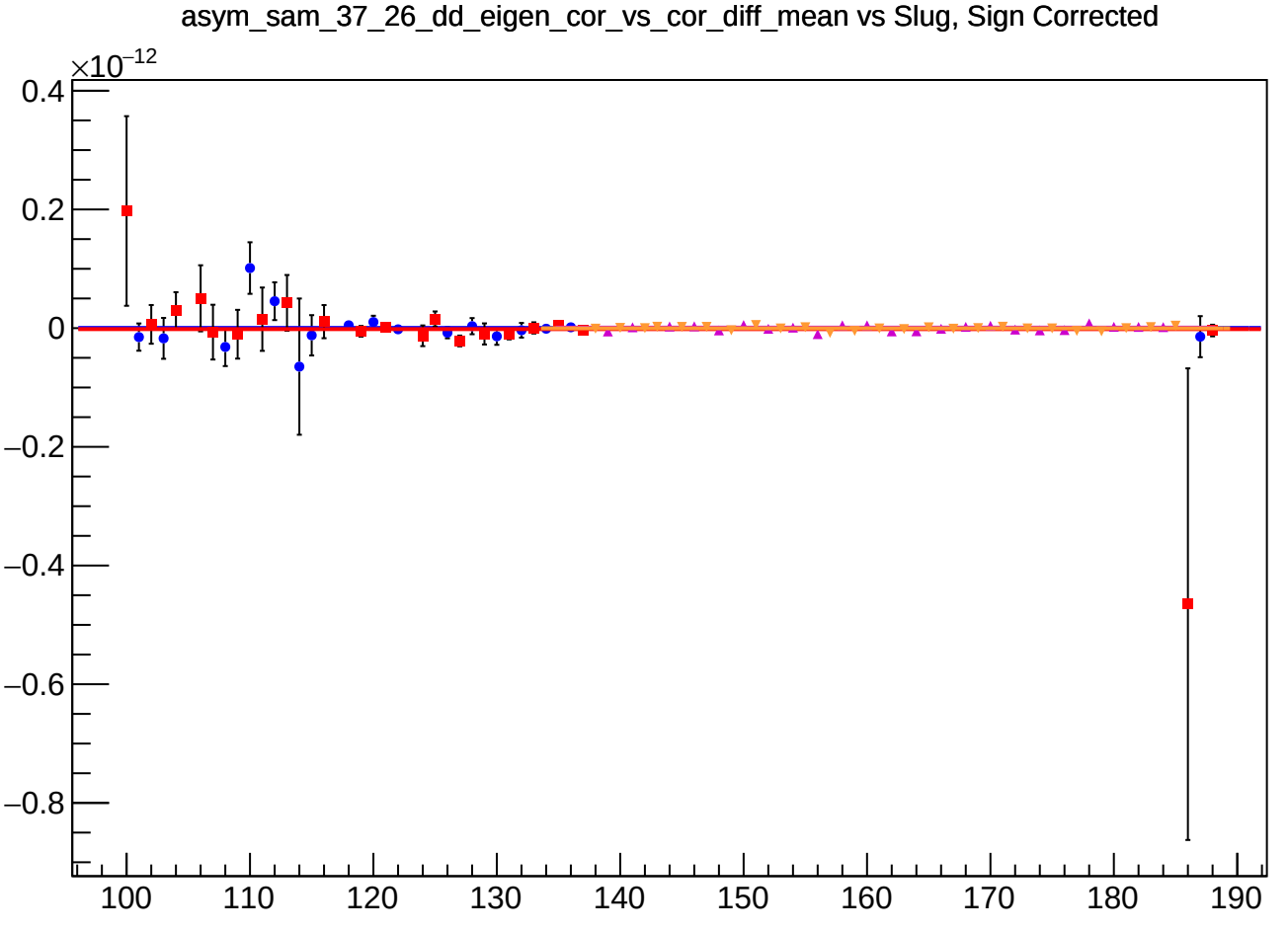
Left: 15.161+/-0.002 χ^2/NDF: 6844846.5/47

Right: 24.159+/-0.005 χ^2/NDF: 6129076.2/37

In: 16.203+/-0.003 χ^2/NDF:7099048.0/39

Out: 16.429+/-0.002 χ^2/NDF:8814821.0/45

All: 16.319+/-0.002 χ^2/NDF: 15918016.8/85



Right In: 0.000+/-0.000 χ^2/NDF: 13.1/16

Left Out: -0.000+/-0.000 χ^2/NDF:21.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 17.0/20

Left In: 0.000+/-0.000 χ^2/NDF:39.5/22

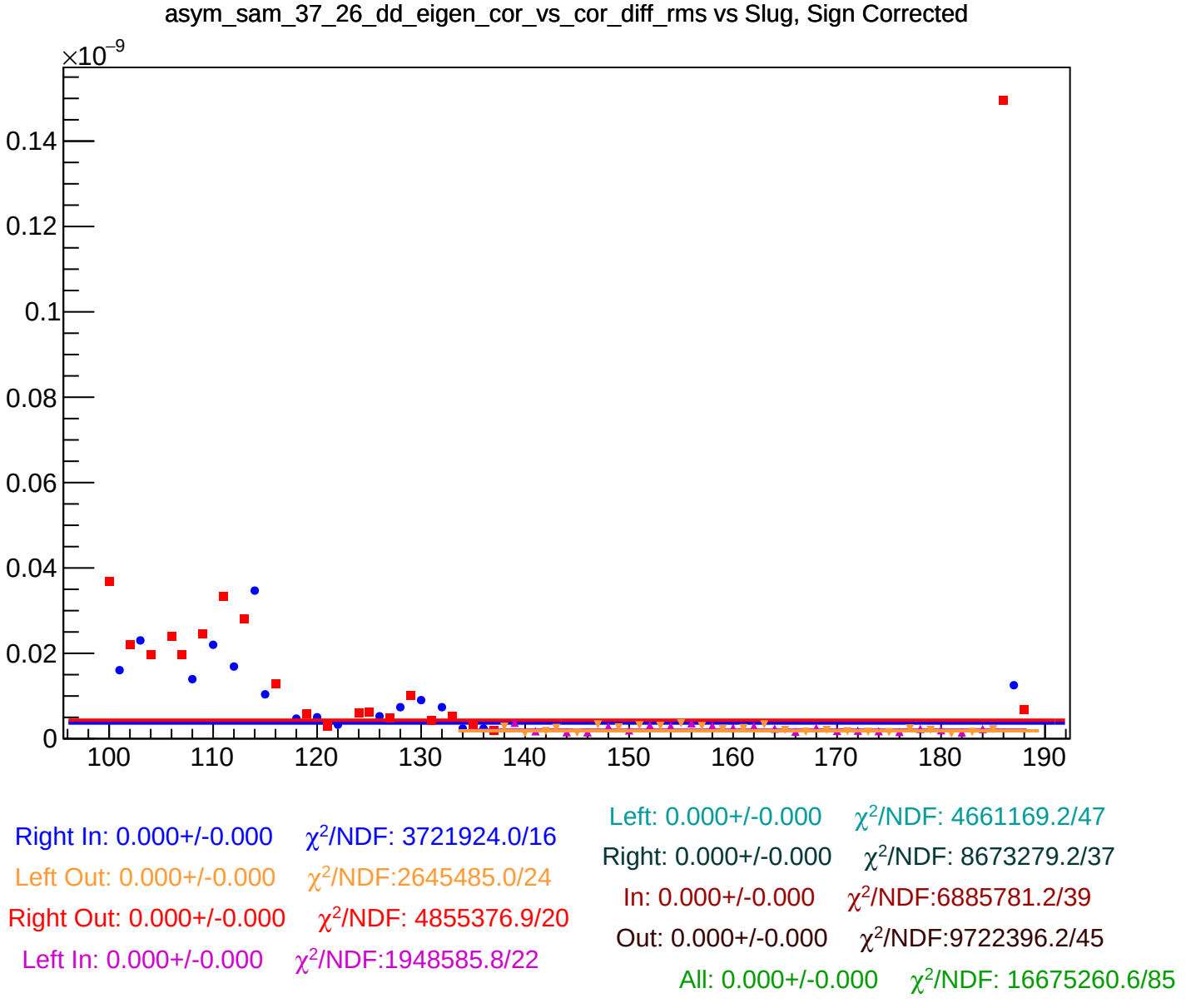
Left: 0.000+/-0.000 χ^2/NDF: 62.7/47

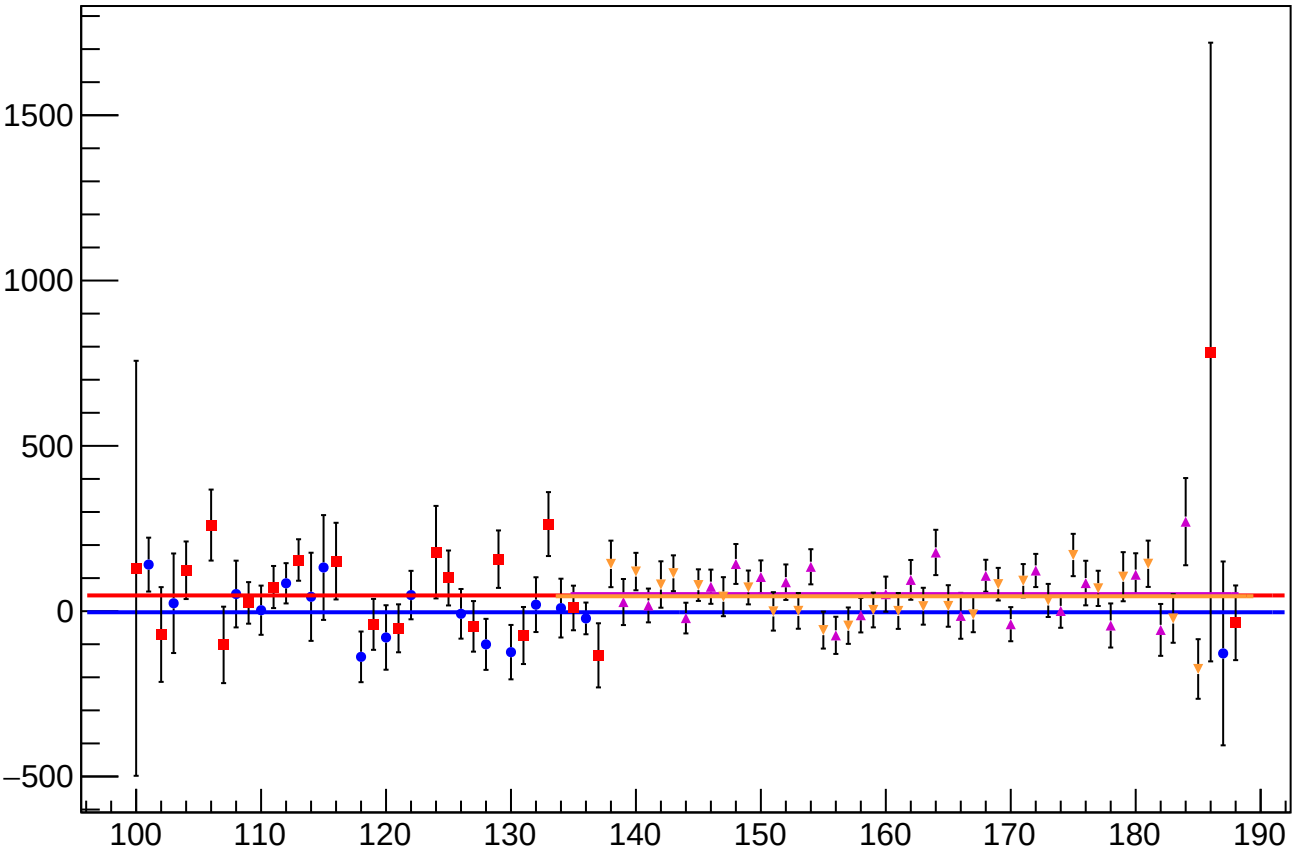
Right: -0.000+/-0.000 χ^2/NDF: 30.5/37

In: 0.000+/-0.000 χ^2/NDF:52.7/39

Out: -0.000+/-0.000 χ^2/NDF:38.8/45

All: 0.000+/-0.000 χ^2/NDF: 93.5/85


asym_sam_37_26_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 3721924.0/16
Left Out: 0.000+/-0.000 χ²/NDF:2645485.0/24
Right Out: 0.000+/-0.000 χ²/NDF: 4855376.9/20
Left In: 0.000+/-0.000 χ²/NDF:1948585.8/22
Left: 0.000+/-0.000 χ²/NDF: 4661169.2/47
Right: 0.000+/-0.000 χ²/NDF: 8673279.2/37
In: 0.000+/-0.000 χ²/NDF:6885781.2/39
Out: 0.000+/-0.000 χ²/NDF:9722396.2/45
All: 0.000+/-0.000 χ²/NDF: 16675260.6/85



Right In: -3.258+/-19.943 χ^2/NDF: 14.8/16

Left Out: 45.093+/-11.495 χ^2/NDF:31.3/24

Right Out: 47.636+/-19.328 χ^2/NDF: 30.5/20

Left In: 51.616+/-11.929 χ^2/NDF:35.9/22

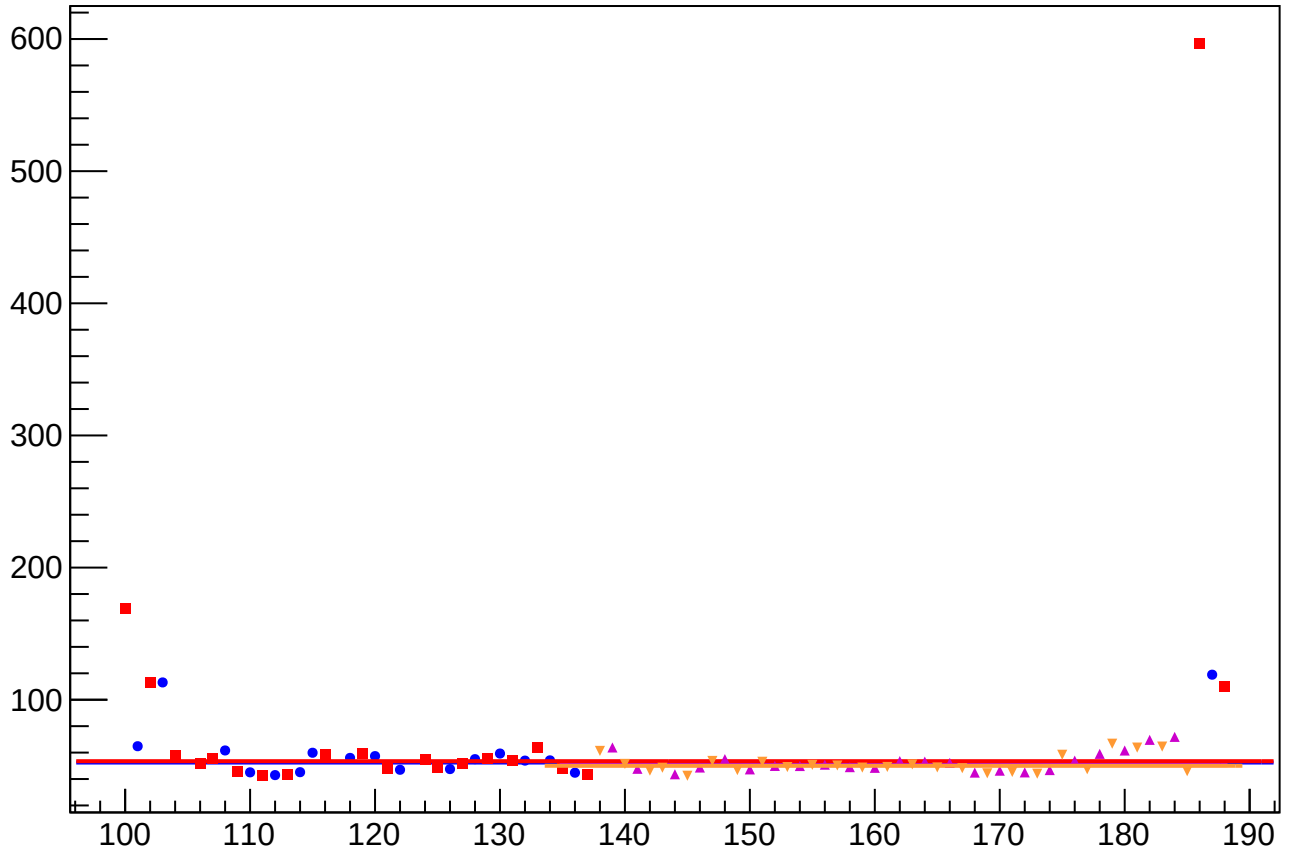
Left: 48.233+/-8.277 χ^2/NDF: 67.4/47

Right: 22.986+/-13.879 χ^2/NDF: 48.7/37

In: 37.157+/-10.237 χ^2/NDF:56.2/39

Out: 45.757+/-9.879 χ^2/NDF:61.9/45

All: 41.610+/-7.109 χ^2/NDF: 118.5/85



Right In: 52.472+/-0.014 χ^2/NDF: 677853.0/16

Left Out: 50.021+/-0.008 χ^2/NDF:509100.0/24

Right Out: 53.498+/-0.014 χ^2/NDF: 1835763.5/20

Left In: 50.512+/-0.008 χ^2/NDF:503409.2/22

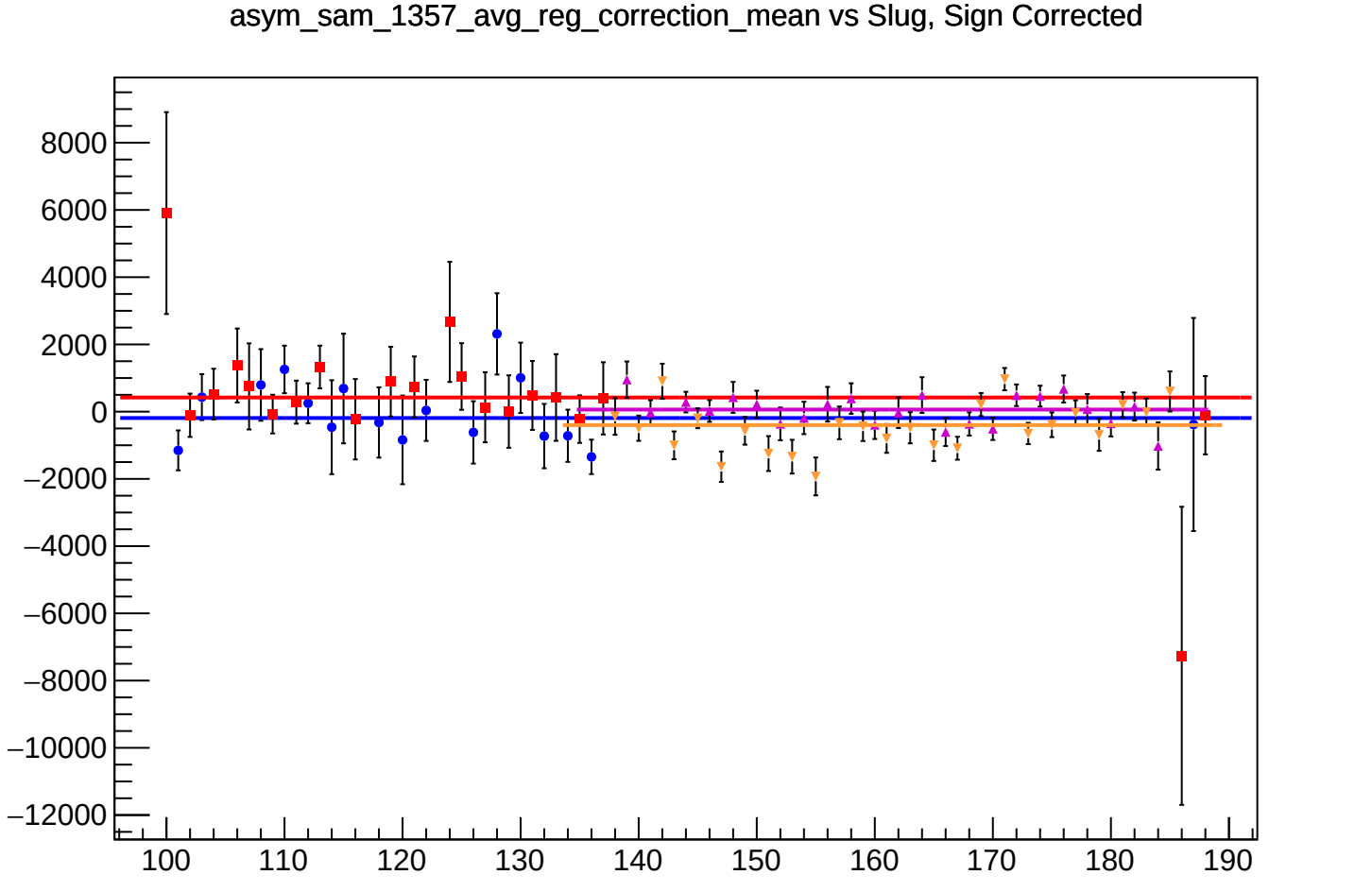
Left: 50.258+/-0.006 χ^2/NDF: 1014266.6/47

Right: 53.001+/-0.010 χ^2/NDF: 2516342.8/37

In: 51.029+/-0.007 χ^2/NDF:1195491.5/39

Out: 50.929+/-0.007 χ^2/NDF:2392665.2/45

All: 50.977+/-0.005 χ^2/NDF: 3588253.9/85



Right In: -189.375+/-205.378 χ^2/NDF: 21.4/16

Left Out: -399.363+/-82.064 χ^2/NDF:65.4/24

Right Out: 420.161+/-200.655 χ^2/NDF: 14.5/20

Left In: 62.038+/-83.892 χ^2/NDF:23.9/22

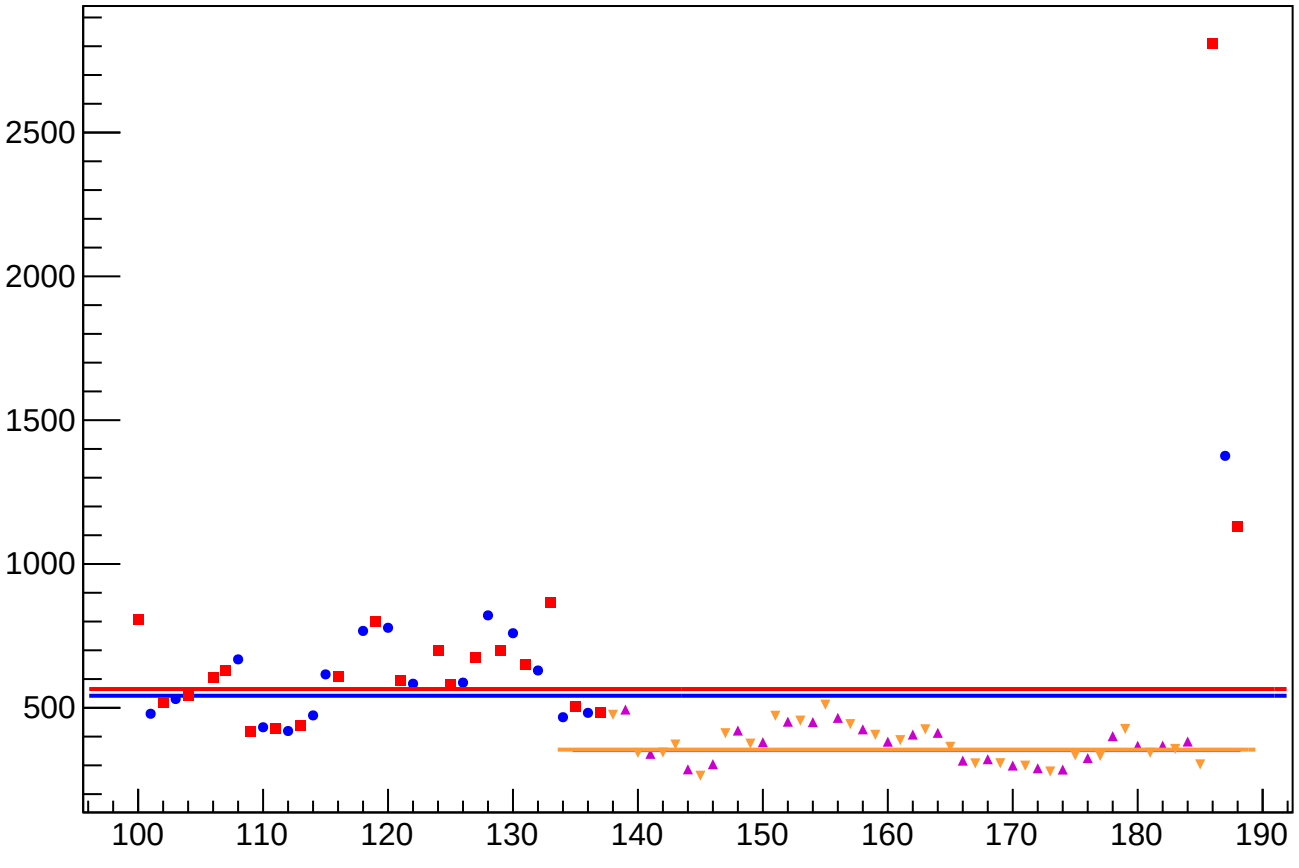
Left: -173.746+/-58.664 χ^2/NDF: 104.8/47

Right: 122.483+/-143.525 χ^2/NDF: 40.4/37

In: 26.088+/-77.663 χ^2/NDF:46.6/39

Out: -281.929+/-75.957 χ^2/NDF:94.2/45

All: -131.342+/-54.303 χ^2/NDF: 148.8/85



Right In: 541.985+/-0.145 χ^2/NDF: 753089.7/16

Left Out: 354.670+/-0.058 χ^2/NDF:1145465.6/24

Right Out: 565.368+/-0.142 χ^2/NDF: 1646596.7/20

Left In: 353.110+/-0.059 χ^2/NDF:1004127.0/22

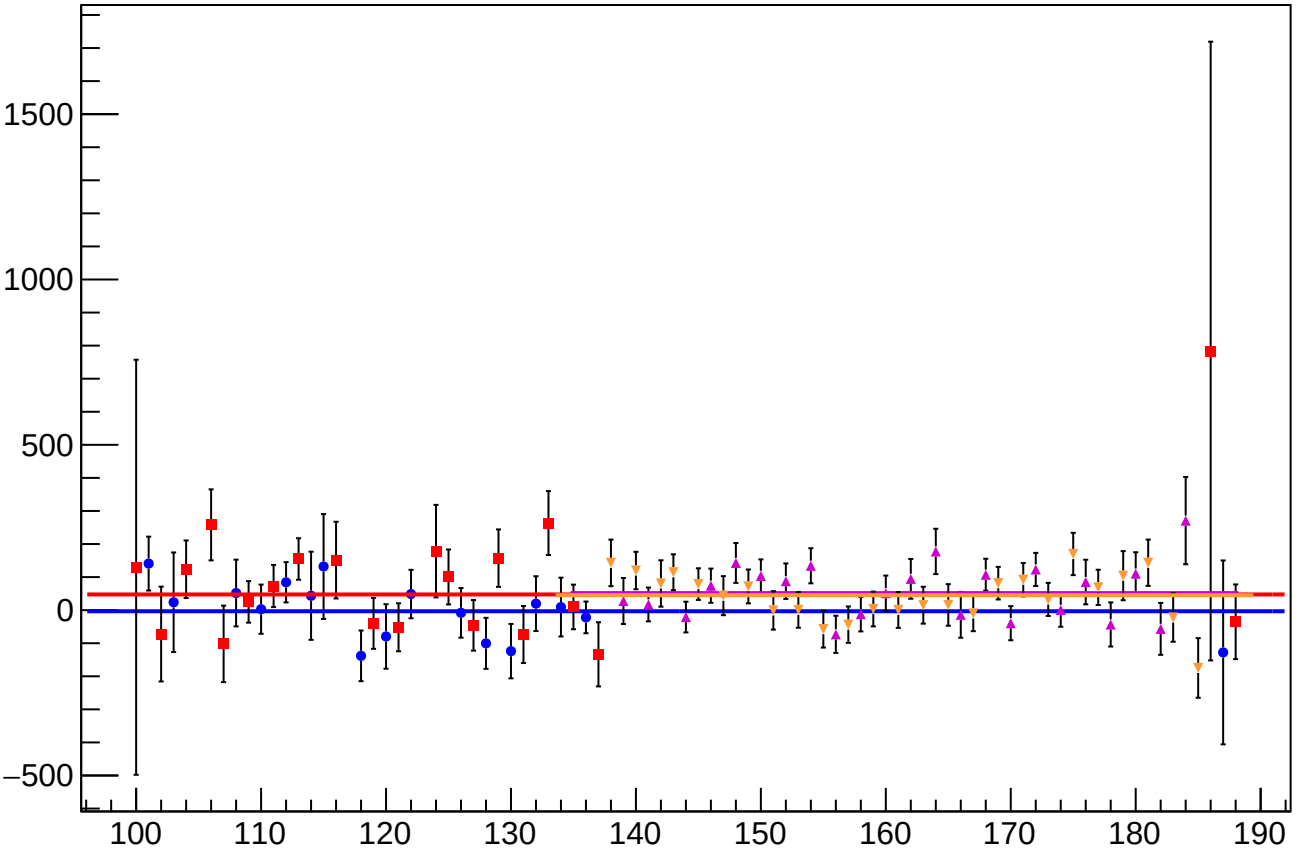
Left: 353.907+/-0.041 χ^2/NDF: 2149946.0/47

Right: 553.948+/-0.101 χ^2/NDF: 2412950.8/37

In: 380.118+/-0.055 χ^2/NDF:3206835.3/39

Out: 384.862+/-0.054 χ^2/NDF:4681283.0/45

All: 382.543+/-0.038 χ^2/NDF: 7891932.4/85



Right In: -3.262+/-19.943 χ^2/NDF: 14.8/16

Left Out: 45.096+/-11.495 χ^2/NDF:31.3/24

Right Out: 47.522+/-19.328 χ^2/NDF: 30.4/20

Left In: 51.616+/-11.929 χ^2/NDF:35.8/22

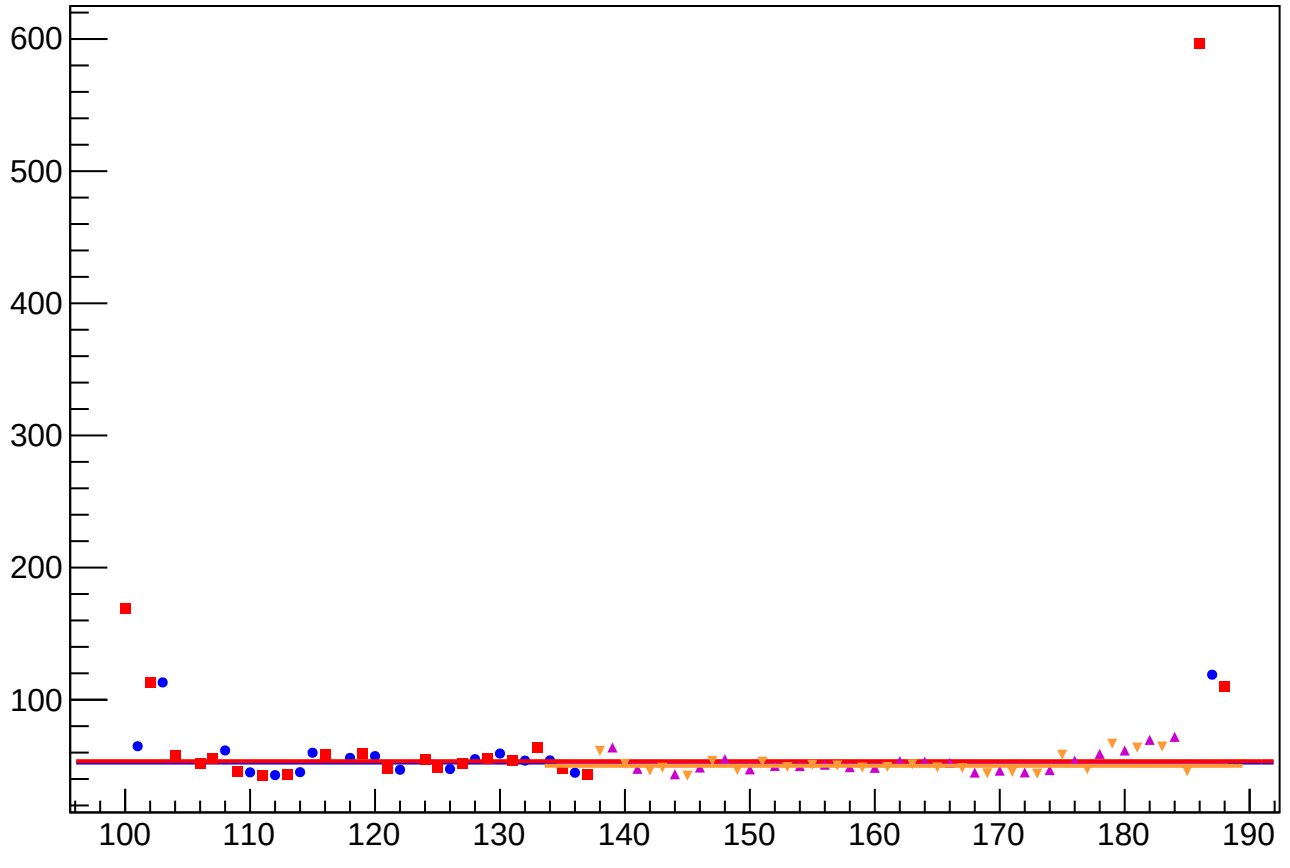
Left: 48.235+/-8.277 χ^2/NDF: 67.3/47

Right: 22.925+/-13.879 χ^2/NDF: 48.6/37

In: 37.155+/-10.237 χ^2/NDF:56.2/39

Out: 45.730+/-9.879 χ^2/NDF:61.8/45

All: 41.595+/-7.109 χ^2/NDF: 118.4/85



Right In: 52.472+/-0.014 χ^2/NDF: 677855.3/16

Left Out: 50.021+/-0.008 χ^2/NDF:509100.0/24

Right Out: 53.488+/-0.014 χ^2/NDF: 1836190.8/20

Left In: 50.512+/-0.008 χ^2/NDF:503409.2/22

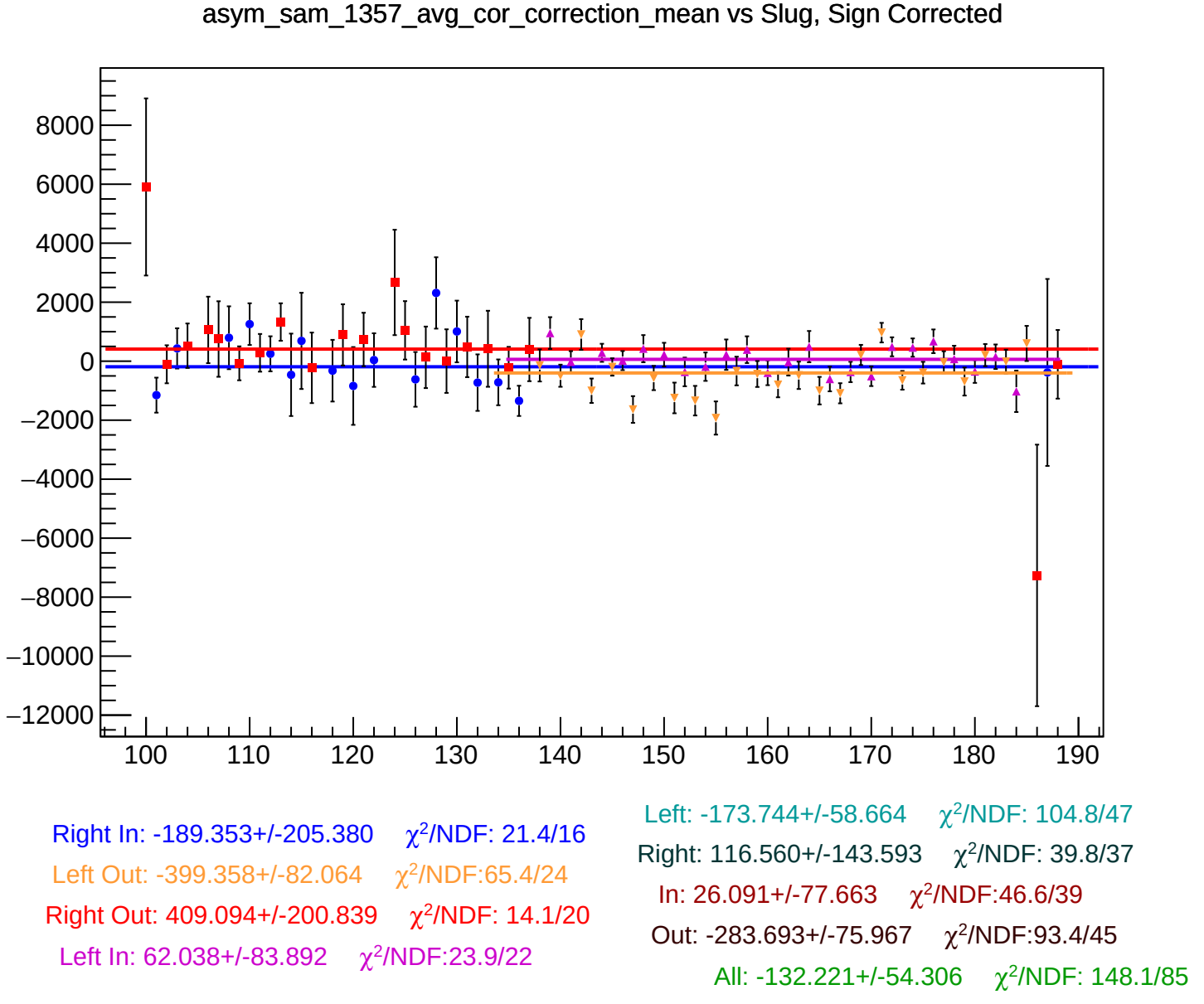
Left: 50.258+/-0.006 χ^2/NDF: 1014266.6/47

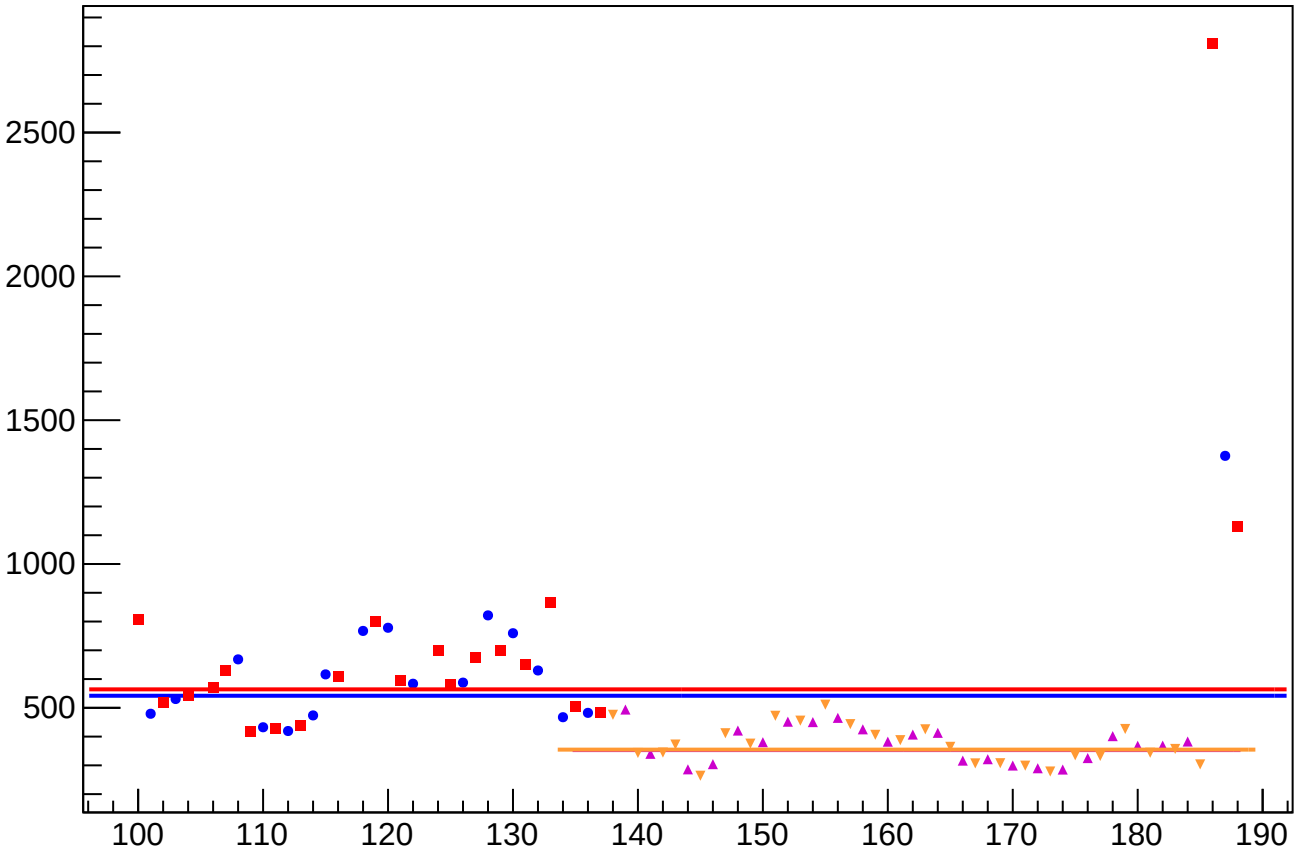
Right: 52.996+/-0.010 χ^2/NDF: 2516719.9/37

In: 51.029+/-0.007 χ^2/NDF:1195493.8/39

Out: 50.927+/-0.007 χ^2/NDF:2392818.9/45

All: 50.976+/-0.005 χ^2/NDF: 3588415.1/85


asym_sam_1357_avg_cor_correction_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
100
110
120
130
140
150
160
170
180
190
Right In: -189.353+/-205.380 χ²/NDF: 21.4/16
Left Out: -399.358+/-82.064 χ²/NDF:65.4/24
Right Out: 409.094+/-200.839 χ²/NDF: 14.1/20
Left In: 62.038+/-83.892 χ²/NDF:23.9/22
Left: -173.744+/-58.664 χ²/NDF: 104.8/47
Right: 116.560+/-143.593 χ²/NDF: 39.8/37
In: 26.091+/-77.663 χ²/NDF:46.6/39
Out: -283.693+/-75.967 χ²/NDF:93.4/45
All: -132.221+/-54.306 χ²/NDF: 148.1/85



Right In: 541.990+/-0.145 χ^2/NDF: 753083.8/16

Left Out: 354.670+/-0.058 χ^2/NDF:1145468.3/24

Right Out: 564.231+/-0.142 χ^2/NDF: 1643587.0/20

Left In: 353.110+/-0.059 χ^2/NDF:1004126.9/22

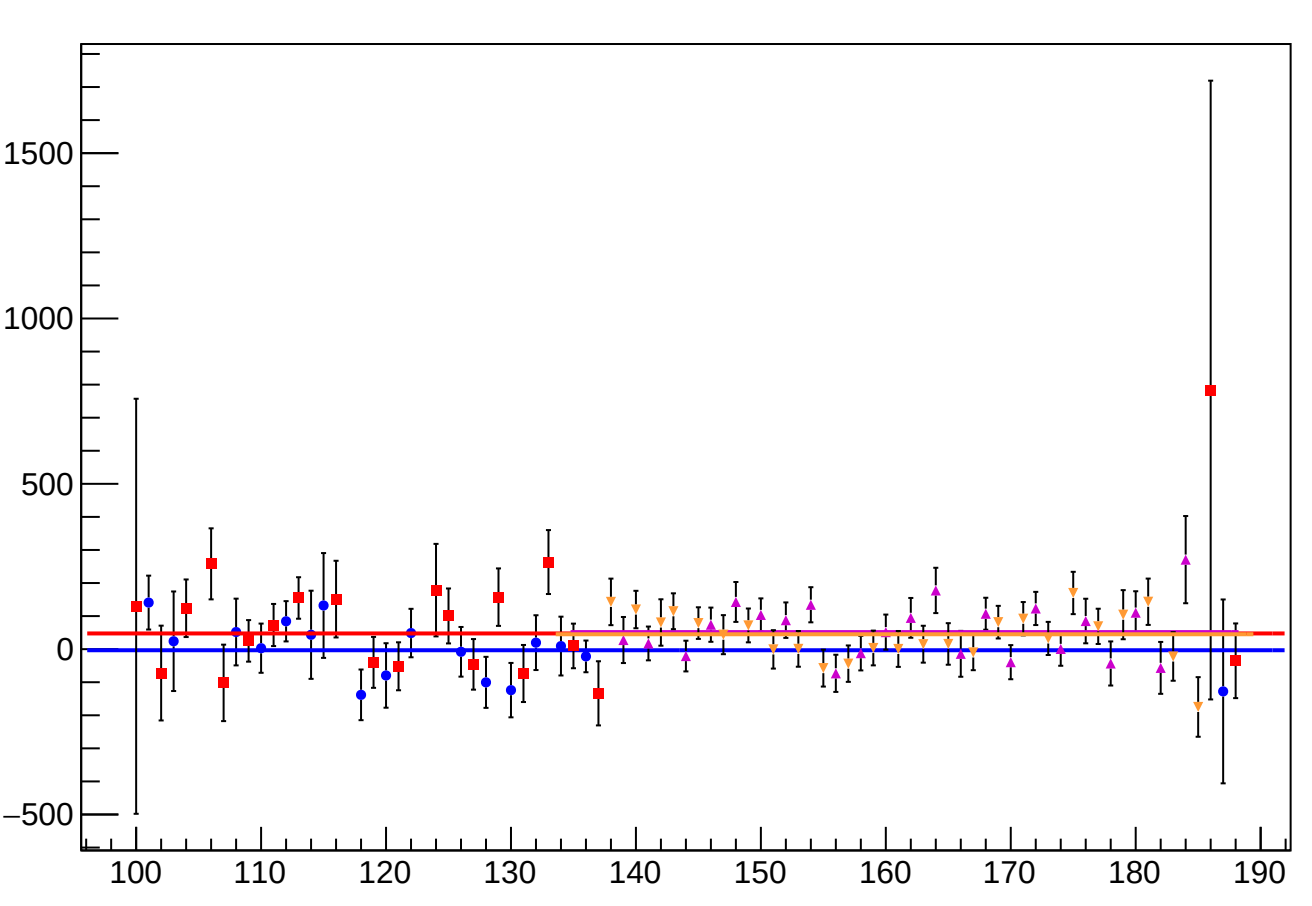
Left: 353.907+/-0.041 χ^2/NDF: 2149948.5/47

Right: 553.359+/-0.102 χ^2/NDF: 2408659.8/37

In: 380.118+/-0.055 χ^2/NDF:3206886.9/39

Out: 384.652+/-0.054 χ^2/NDF:4655010.2/45

All: 382.435+/-0.038 χ^2/NDF: 7865379.8/85



Right In: -3.262+/-19.943 χ^2/NDF: 14.8/16

Left Out: 45.096+/-11.495 χ^2/NDF:31.3/24

Right Out: 47.522+/-19.328 χ^2/NDF: 30.4/20

Left In: 51.616+/-11.929 χ^2/NDF:35.8/22

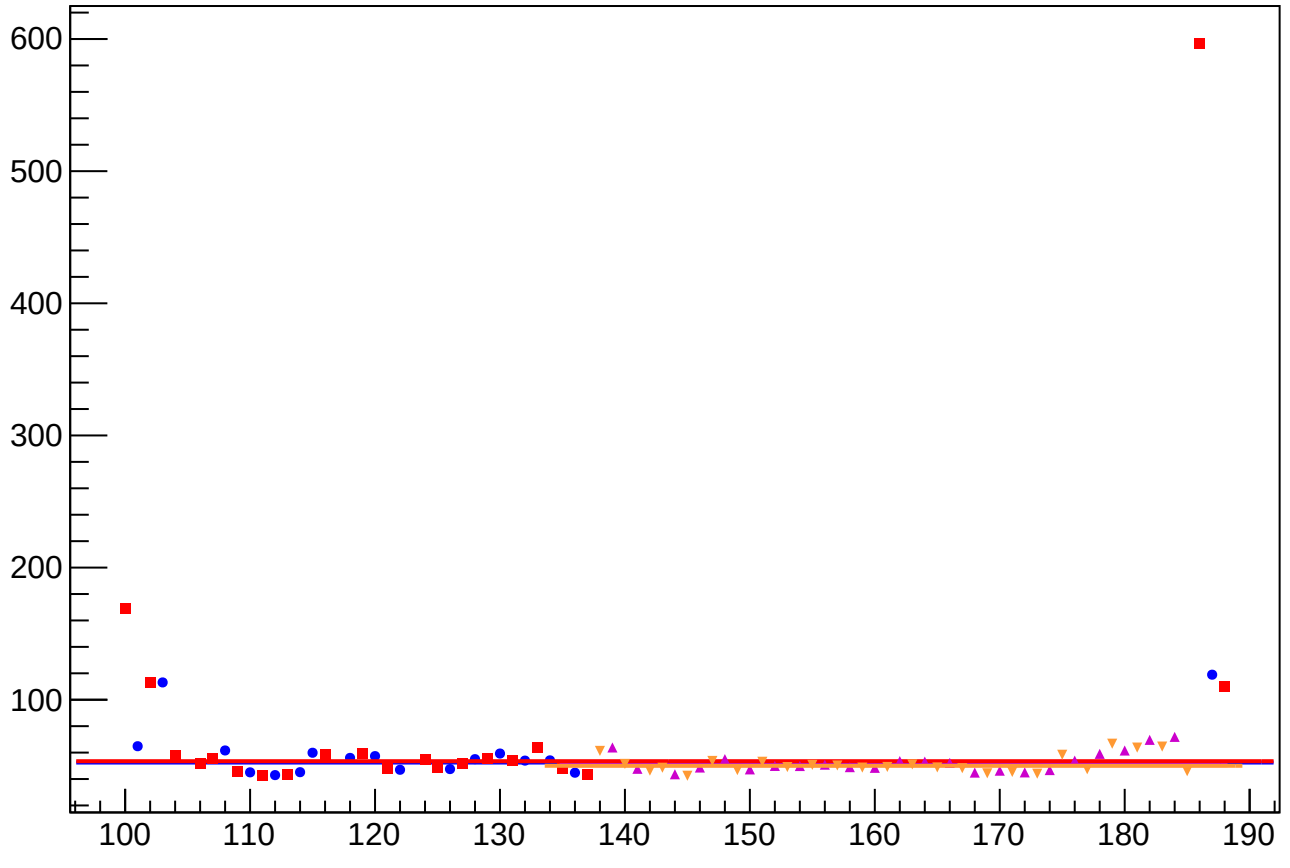
Left: 48.235+/-8.277 χ^2/NDF: 67.3/47

Right: 22.925+/-13.879 χ^2/NDF: 48.6/37

In: 37.155+/-10.237 χ^2/NDF:56.2/39

Out: 45.730+/-9.879 χ^2/NDF:61.8/45

All: 41.595+/-7.109 χ^2/NDF: 118.4/85



Right In: 52.472+/-0.014 χ^2/NDF: 677855.3/16

Left Out: 50.021+/-0.008 χ^2/NDF:509100.0/24

Right Out: 53.488+/-0.014 χ^2/NDF: 1836190.8/20

Left In: 50.512+/-0.008 χ^2/NDF:503409.2/22

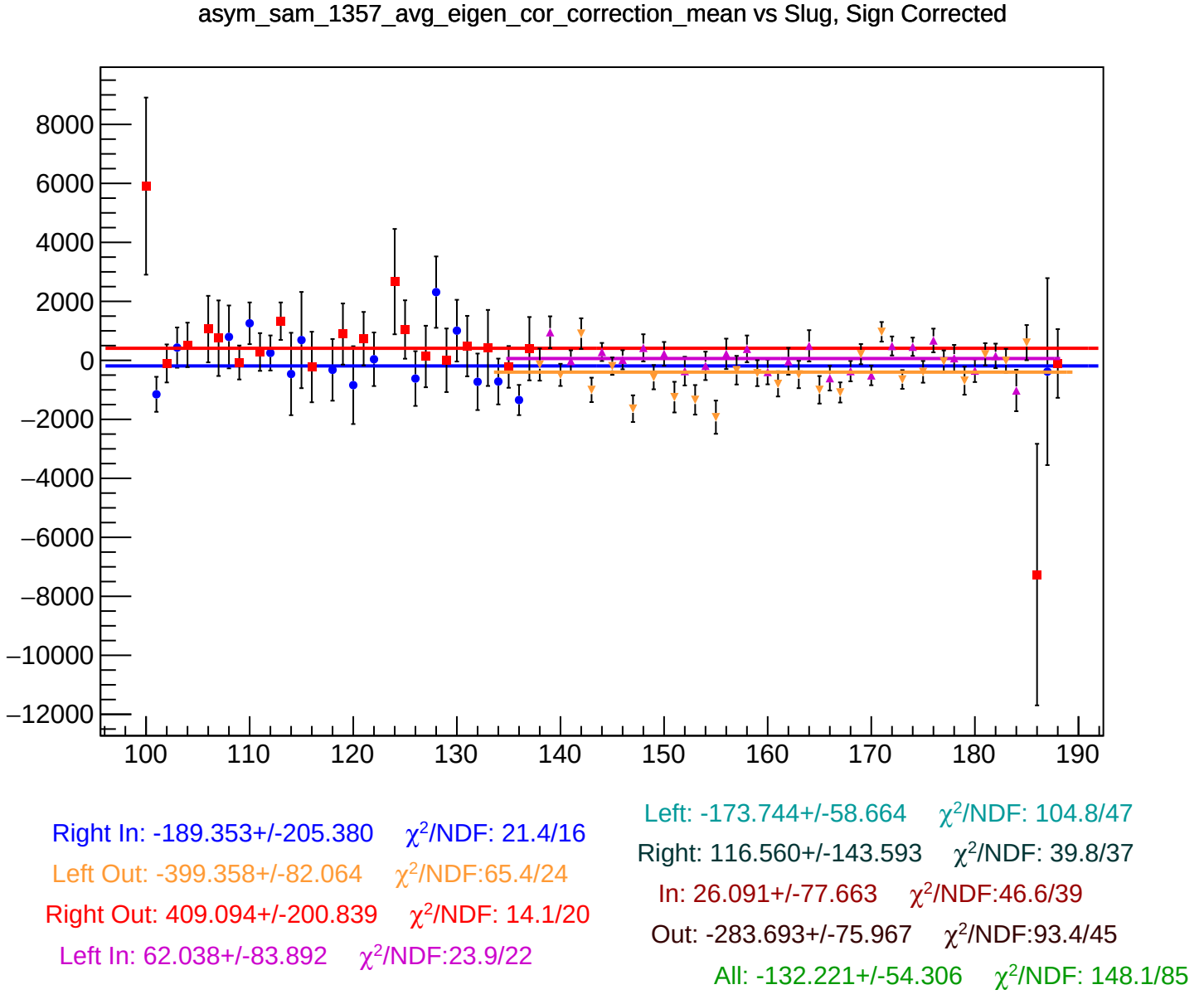
Left: 50.258+/-0.006 χ^2/NDF: 1014266.6/47

Right: 52.996+/-0.010 χ^2/NDF: 2516719.9/37

In: 51.029+/-0.007 χ^2/NDF:1195493.8/39

Out: 50.927+/-0.007 χ^2/NDF:2392818.9/45

All: 50.976+/-0.005 χ^2/NDF: 3588415.1/85


asym_sam_1357_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
8000
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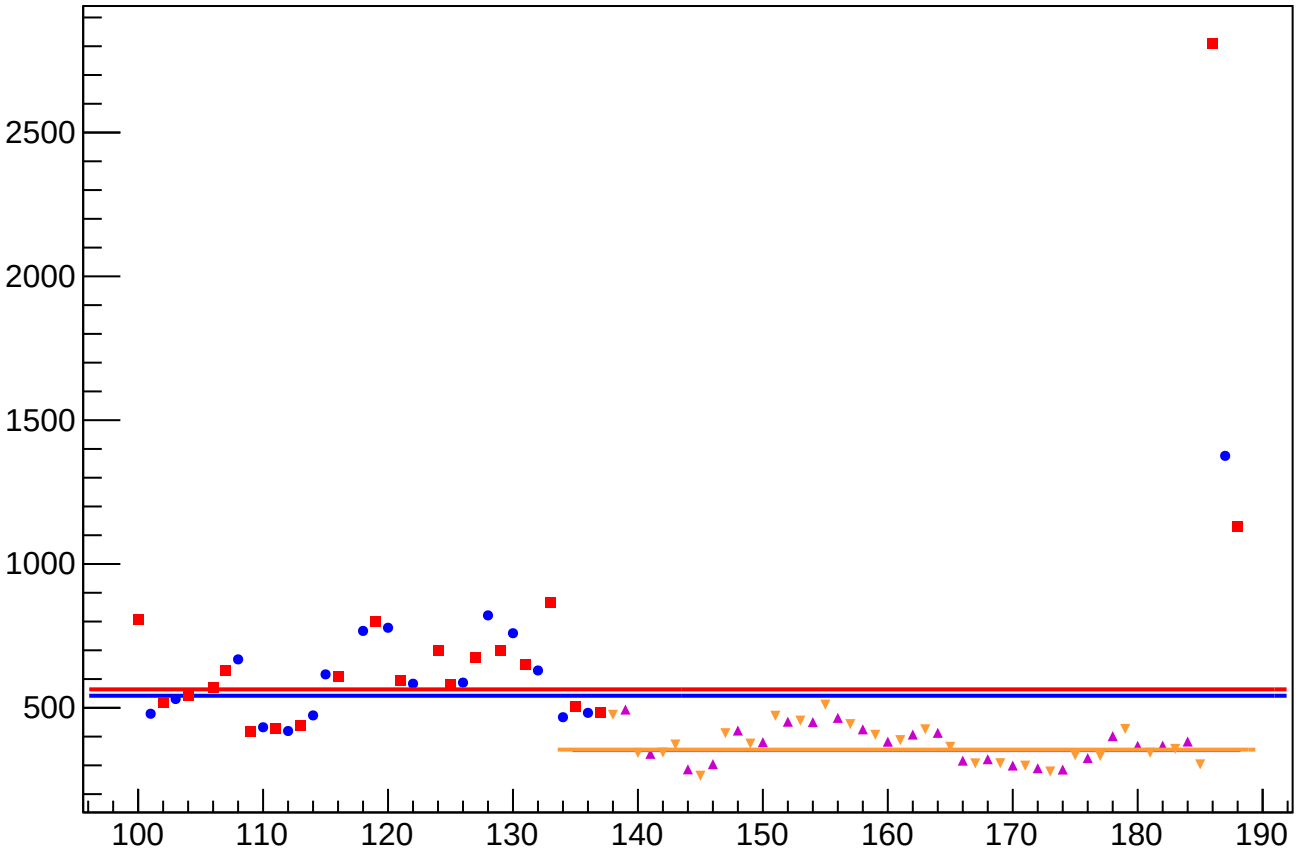
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
100
110
120
130
140
150
160
170
180
190
Right In: -189.353+/-205.380 χ²/NDF: 21.4/16
Left Out: -399.358+/-82.064 χ²/NDF:65.4/24
Right Out: 409.094+/-200.839 χ²/NDF: 14.1/20
Left In: 62.038+/-83.892 χ²/NDF:23.9/22
Left: -173.744+/-58.664 χ²/NDF: 104.8/47
Right: 116.560+/-143.593 χ²/NDF: 39.8/37
In: 26.091+/-77.663 χ²/NDF:46.6/39
Out: -283.693+/-75.967 χ²/NDF:93.4/45
All: -132.221+/-54.306 χ²/NDF: 148.1/85



Right In: 541.990+/-0.145 χ^2/NDF: 753083.8/16

Left Out: 354.670+/-0.058 χ^2/NDF:1145468.3/24

Right Out: 564.231+/-0.142 χ^2/NDF: 1643587.0/20

Left In: 353.110+/-0.059 χ^2/NDF:1004126.9/22

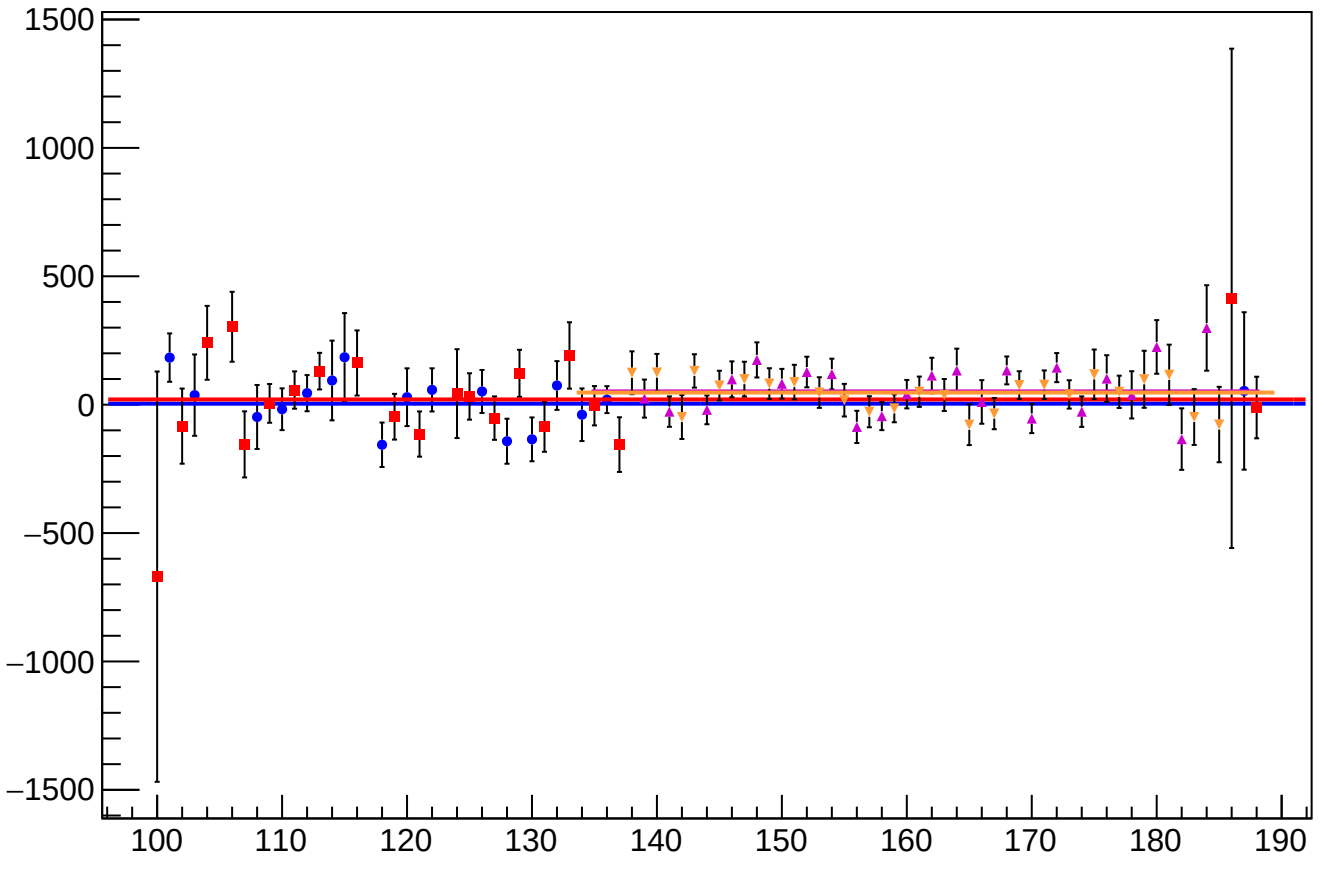
Left: 353.907+/-0.041 χ^2/NDF: 2149948.5/47

Right: 553.359+/-0.102 χ^2/NDF: 2408659.8/37

In: 380.118+/-0.055 χ^2/NDF:3206886.9/39

Out: 384.652+/-0.054 χ^2/NDF:4655010.2/45

All: 382.435+/-0.038 χ^2/NDF: 7865379.8/85



Right In: 3.864+/-22.420 χ^2/NDF: 16.2/16

Left Out: 47.151+/-13.511 χ^2/NDF:17.0/24

Right Out: 20.336+/-22.363 χ^2/NDF: 24.7/20

Left In: 51.652+/-13.934 χ^2/NDF:38.2/22

Left: 49.332+/-9.700 χ^2/NDF: 55.2/47

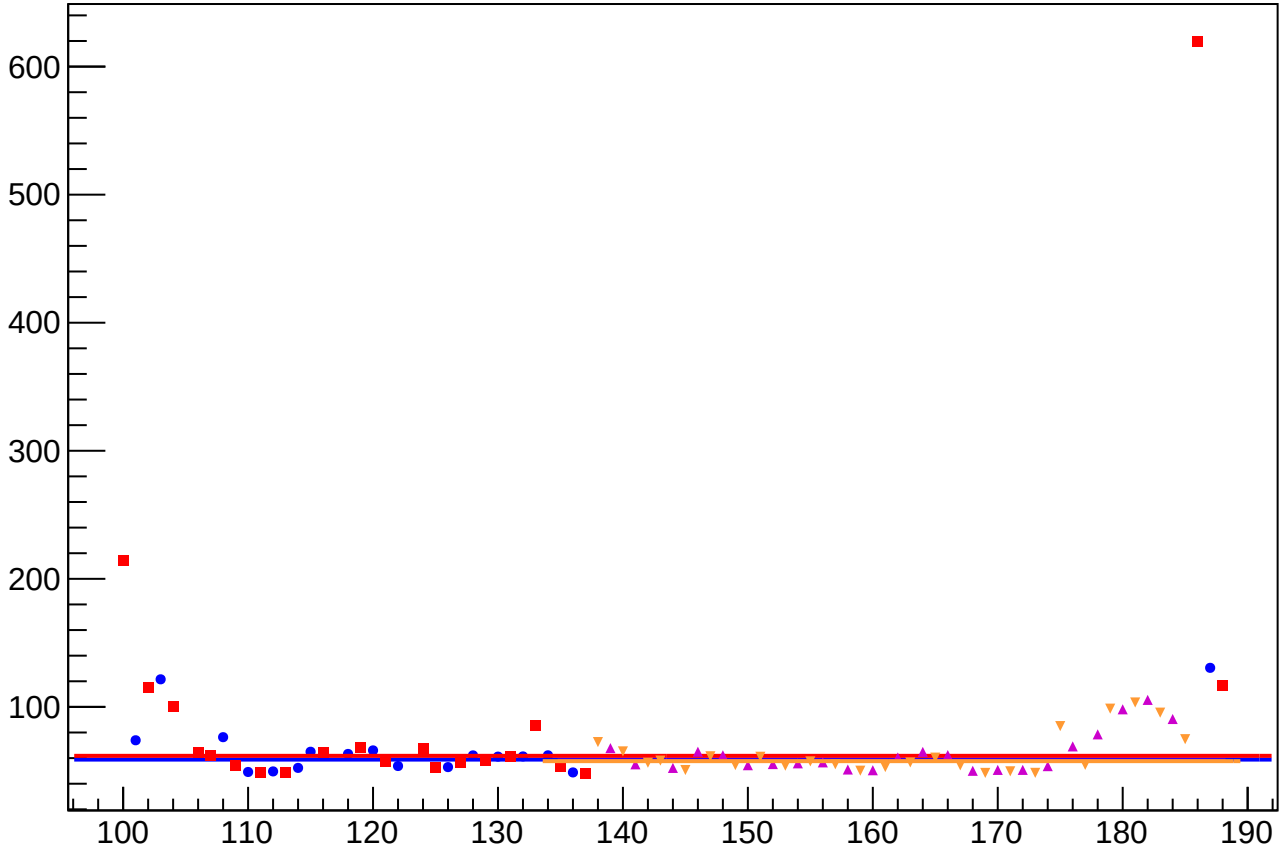
Right: 12.120+/-15.833 χ^2/NDF: 41.1/37

In: 38.337+/-11.834 χ^2/NDF:57.7/39

Out: 39.980+/-11.564 χ^2/NDF:42.7/45

All: 39.177+/-8.271 χ^2/NDF: 100.4/85

dit_asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 58.851+/-0.016 χ^2/NDF: 692839.3/16

Left Out: 57.631+/-0.010 χ^2/NDF:1365448.6/24

Right Out: 61.777+/-0.016 χ^2/NDF: 1886227.2/20

Left In: 57.940+/-0.010 χ^2/NDF:1124523.3/22

Left: 57.781+/-0.007 χ^2/NDF: 2490479.3/47

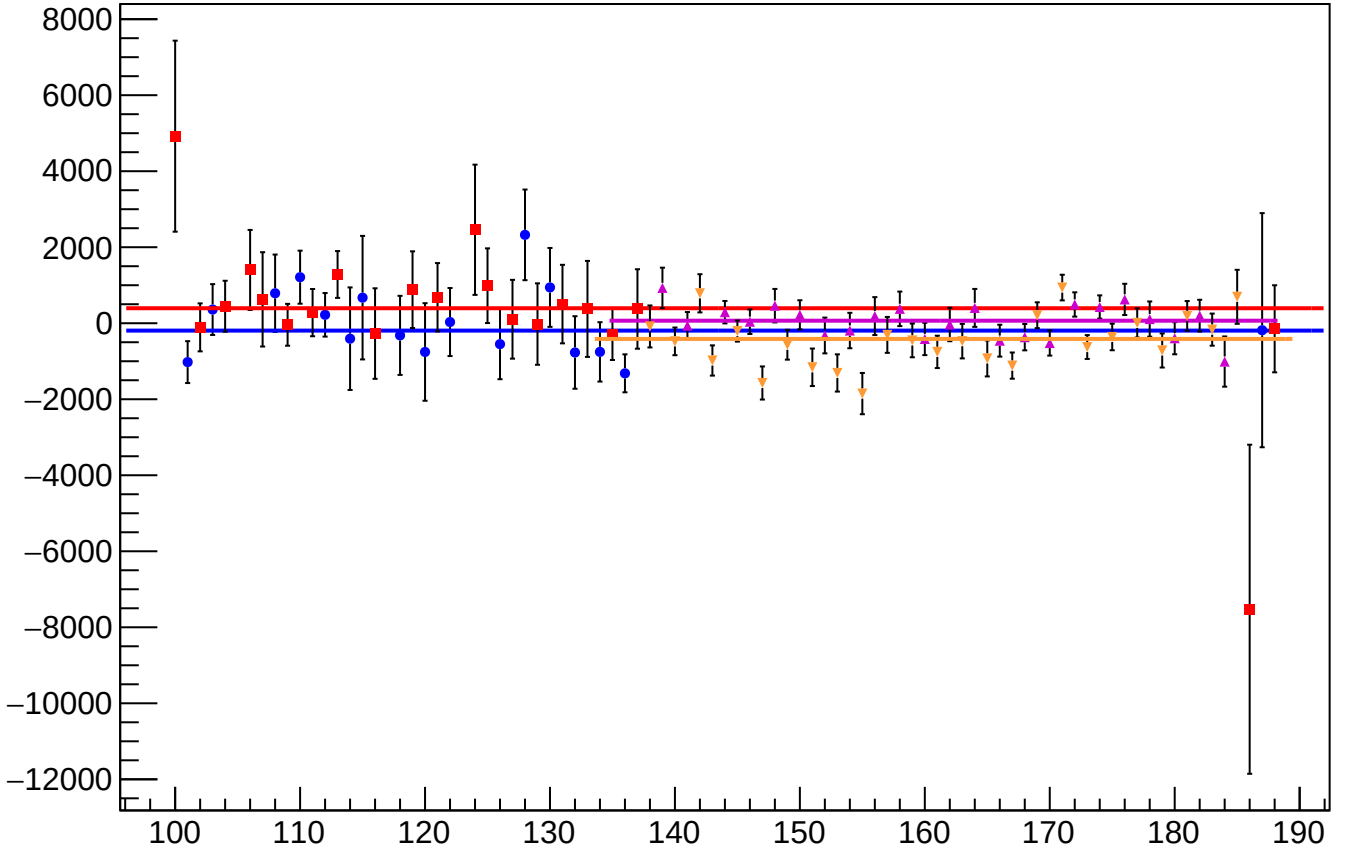
Right: 60.318+/-0.011 χ^2/NDF: 2596147.0/37

In: 58.194+/-0.008 χ^2/NDF:1819743.1/39

Out: 58.740+/-0.008 χ^2/NDF:3302041.0/45

All: 58.473+/-0.006 χ^2/NDF: 5123960.6/85

asym_sam_1357_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -193.854+/-200.179 χ^2/NDF: 20.8/16

Left Out: -413.053+/-81.134 χ^2/NDF:61.3/24

Right Out: 394.575+/-193.959 χ^2/NDF: 14.9/20

Left In: 66.637+/-83.082 χ^2/NDF:22.9/22

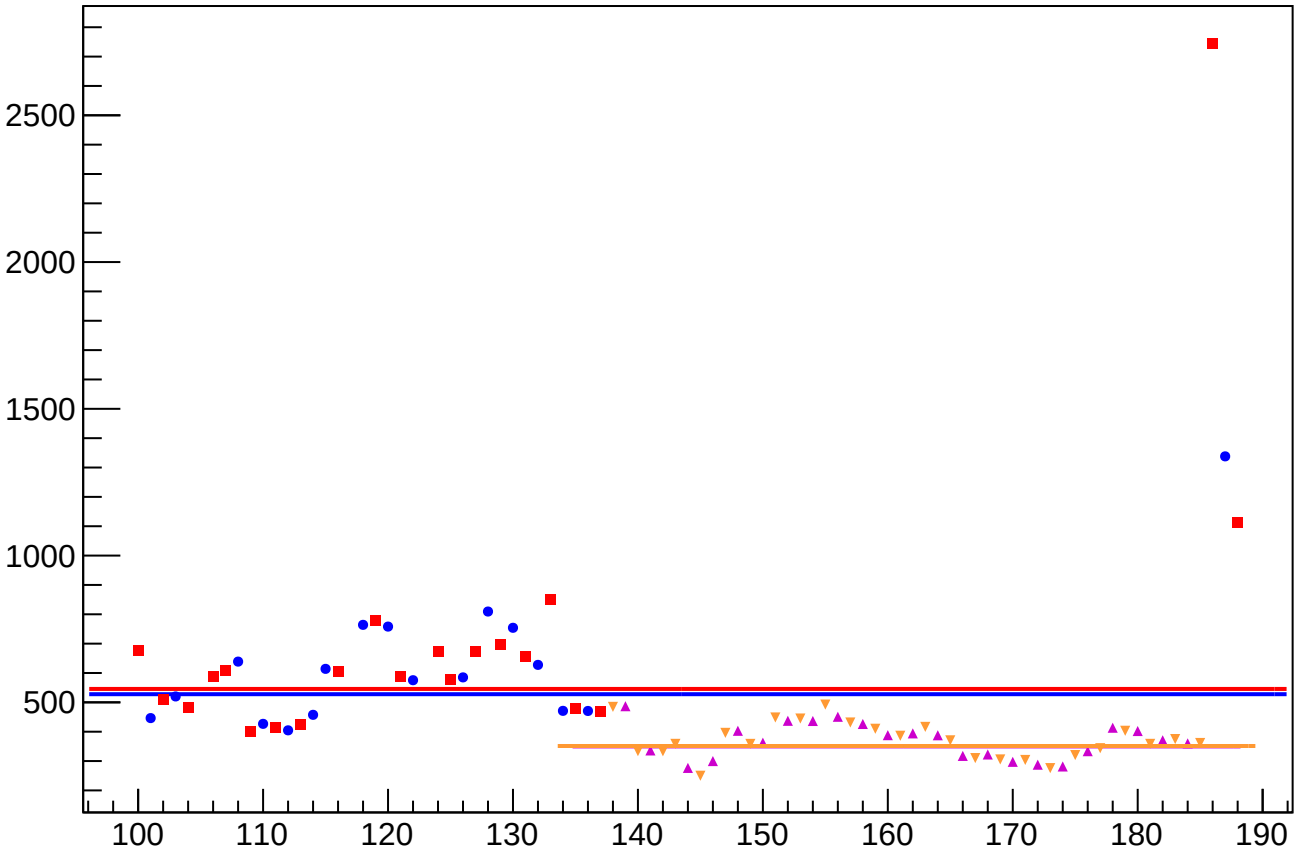
Left: -178.896+/-58.047 χ^2/NDF: 101.3/47

Right: 109.645+/-139.297 χ^2/NDF: 40.2/37

In: 28.360+/-76.735 χ^2/NDF:45.1/39

Out: -292.780+/-74.850 χ^2/NDF:91.0/45

All: -136.204+/-53.581 χ^2/NDF: 145.1/85



Right In: 527.763+/-0.142 χ^2/NDF: 797479.0/16

Left Out: 351.264+/-0.057 χ^2/NDF:1118247.7/24

Right Out: 545.680+/-0.137 χ^2/NDF: 1718223.7/20

Left In: 349.813+/-0.059 χ^2/NDF:990366.6/22

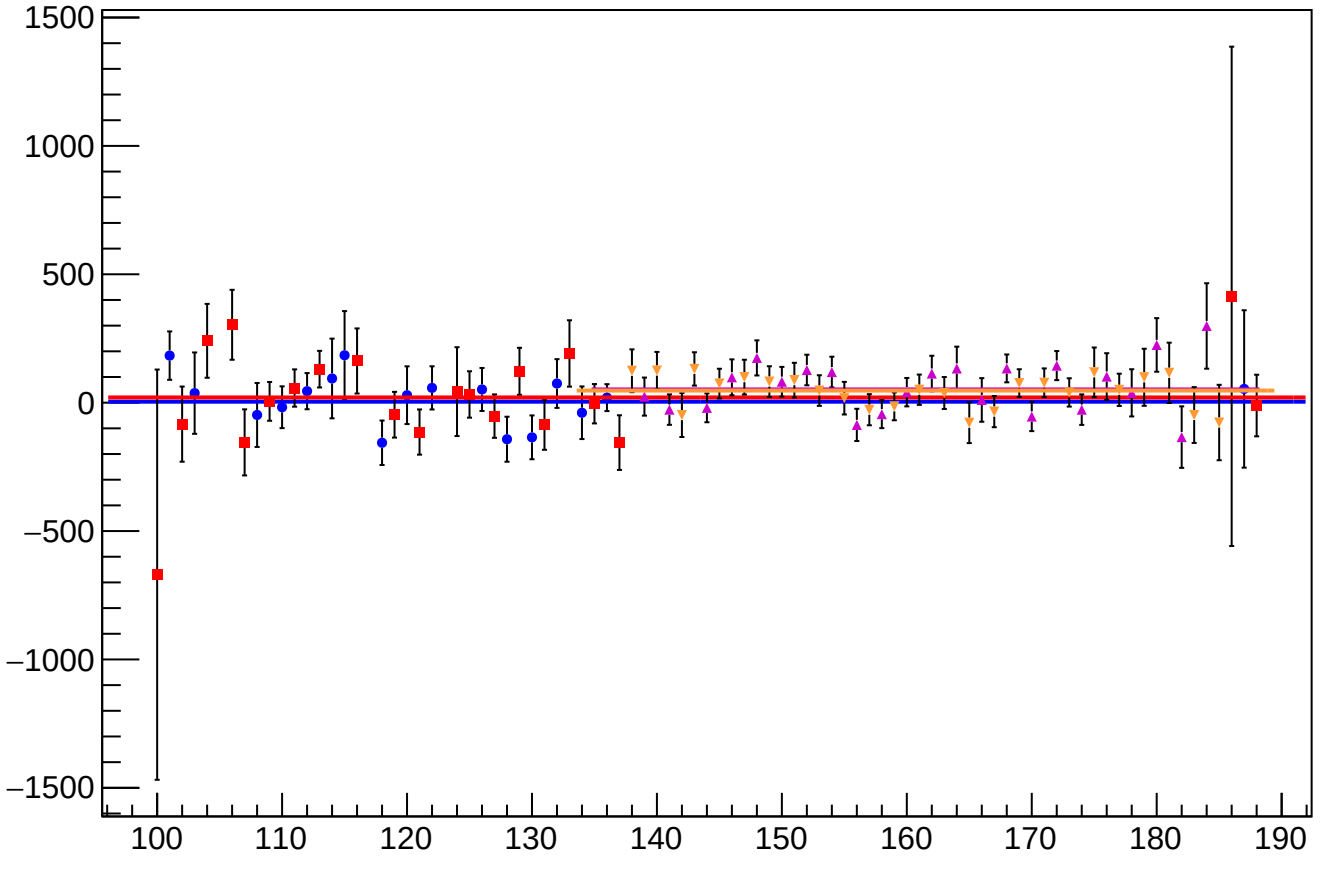
Left: 350.556+/-0.041 χ^2/NDF: 2108926.7/47

Right: 537.004+/-0.098 χ^2/NDF: 2523966.1/37

In: 375.962+/-0.054 χ^2/NDF:3136081.6/39

Out: 380.217+/-0.053 χ^2/NDF:4546650.8/45

All: 378.142+/-0.038 χ^2/NDF: 7685884.2/85



Right In: 3.864+/-22.420 χ^2/NDF: 16.2/16

Left Out: 47.151+/-13.511 χ^2/NDF:17.0/24

Right Out: 20.334+/-22.363 χ^2/NDF: 24.7/20

Left In: 51.651+/-13.934 χ^2/NDF:38.2/22

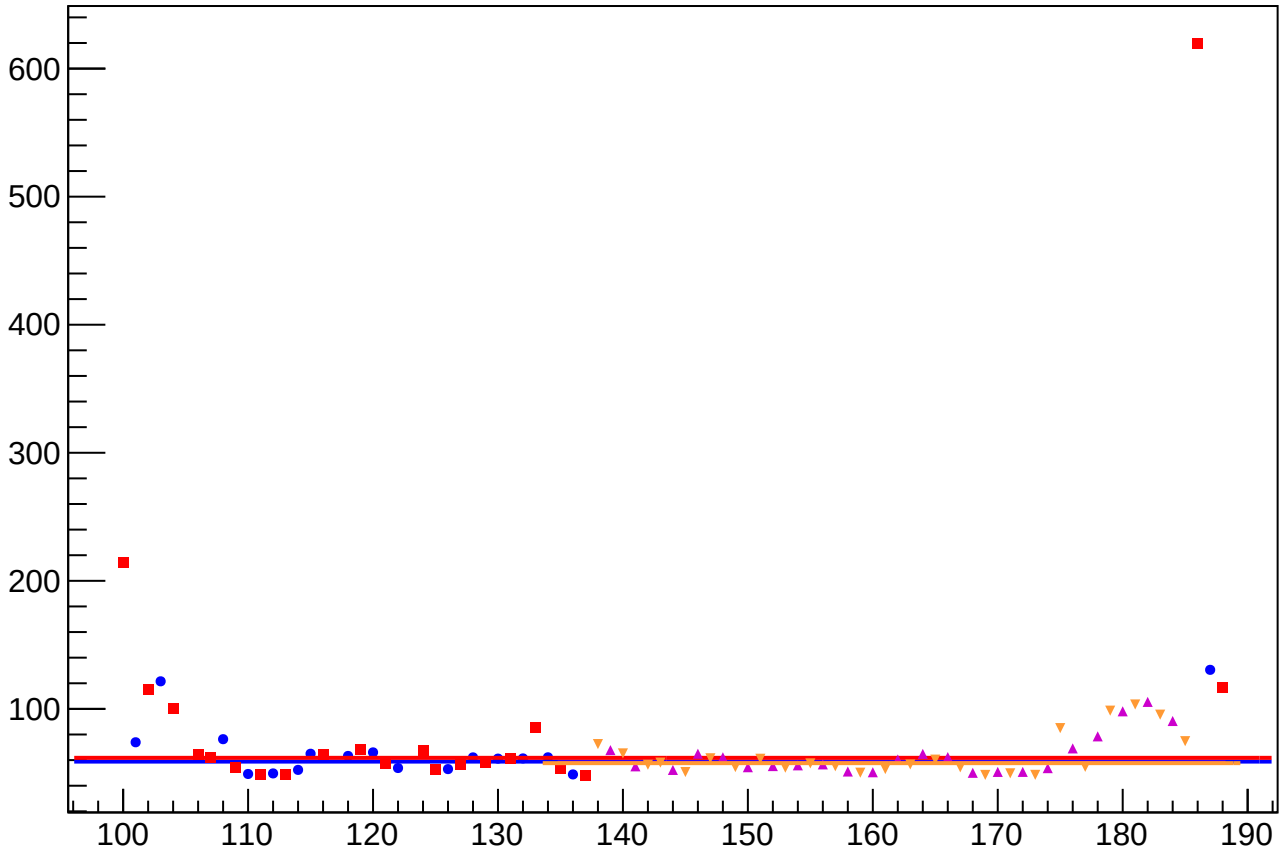
Left: 49.332+/-9.700 χ^2/NDF: 55.2/47

Right: 12.120+/-15.833 χ^2/NDF: 41.1/37

In: 38.336+/-11.834 χ^2/NDF:57.7/39

Out: 39.980+/-11.565 χ^2/NDF:42.7/45

All: 39.177+/-8.271 χ^2/NDF: 100.4/85



Right In: 58.851+/-0.016 χ^2/NDF: 692837.2/16

Left Out: 57.631+/-0.010 χ^2/NDF:1365443.1/24

Right Out: 61.777+/-0.016 χ^2/NDF: 1886231.1/20

Left In: 57.940+/-0.010 χ^2/NDF:1124509.8/22

Left: 57.781+/-0.007 χ^2/NDF: 2490460.5/47

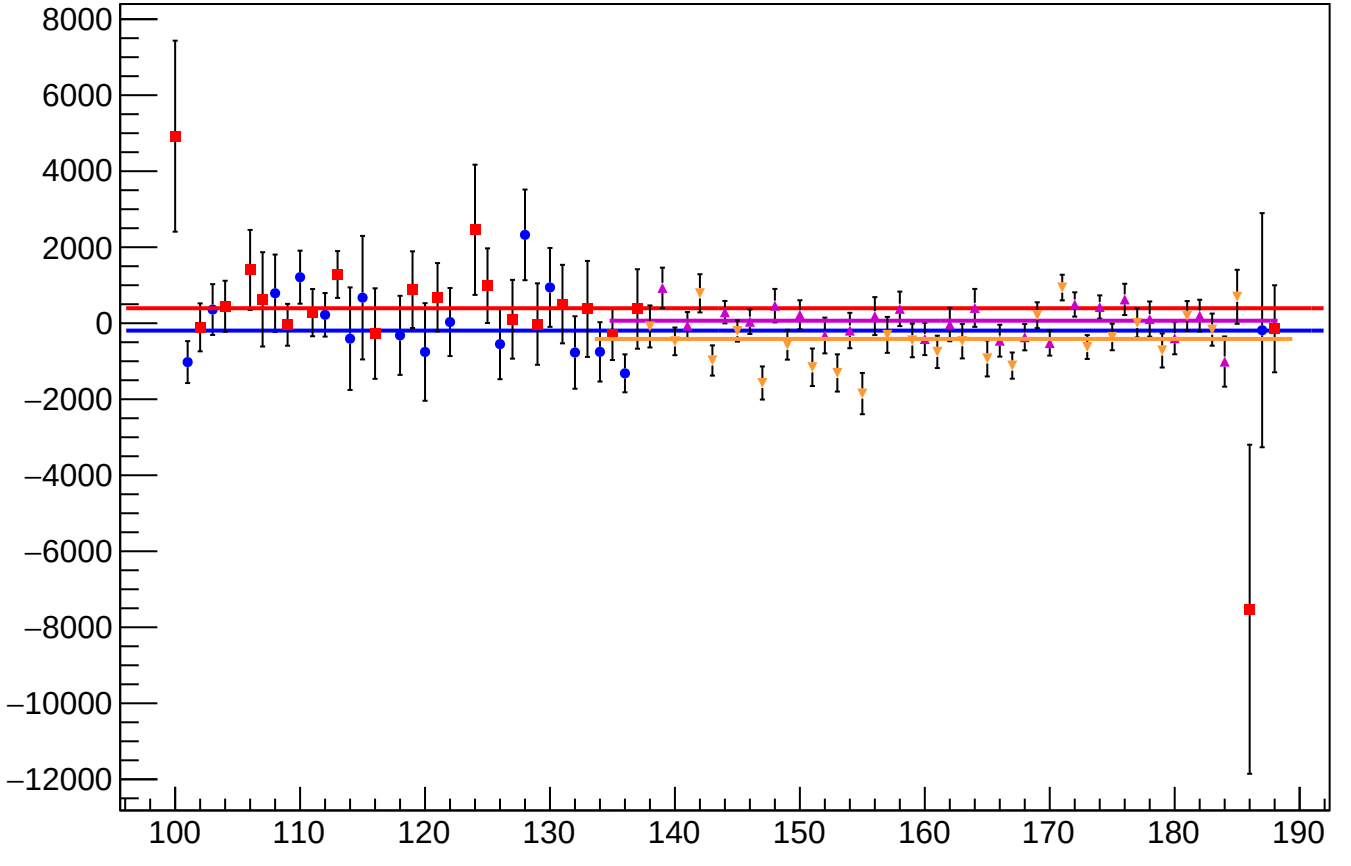
Right: 60.318+/-0.011 χ^2/NDF: 2596149.0/37

In: 58.194+/-0.008 χ^2/NDF:1819727.3/39

Out: 58.740+/-0.008 χ^2/NDF:3302040.1/45

All: 58.473+/-0.006 χ^2/NDF: 5123943.9/85

asym_sam_1357_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -193.853+/-200.179 χ^2/NDF: 20.8/16

Left Out: -413.053+/-81.134 χ^2/NDF:61.3/24

Right Out: 394.574+/-193.958 χ^2/NDF: 14.9/20

Left In: 66.637+/-83.082 χ^2/NDF:22.9/22

Left: -178.896+/-58.047 χ^2/NDF: 101.3/47

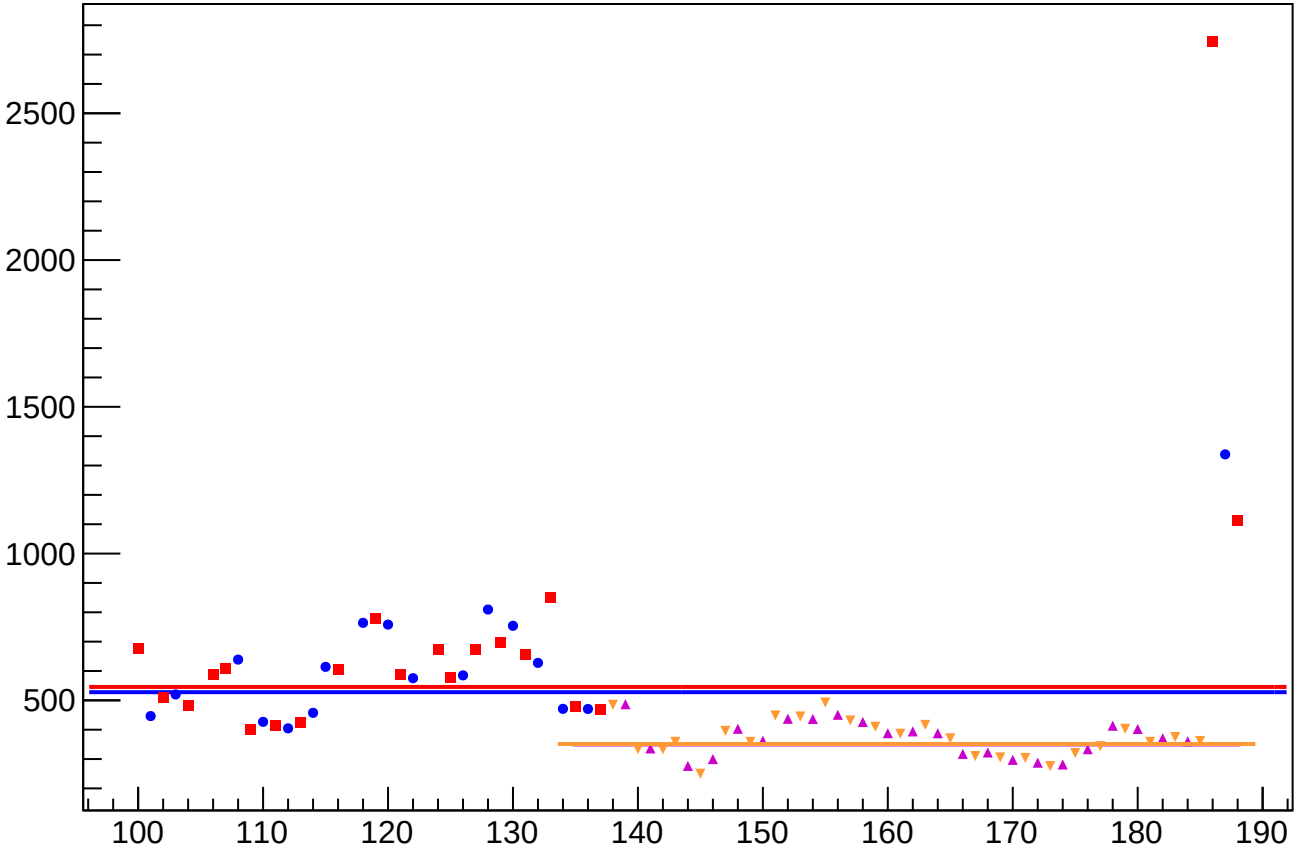
Right: 109.645+/-139.297 χ^2/NDF: 40.2/37

In: 28.359+/-76.735 χ^2/NDF:45.1/39

Out: -292.779+/-74.849 χ^2/NDF:91.0/45

All: -136.204+/-53.581 χ^2/NDF: 145.1/85

asym_sam_1357_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 527.762+/-0.142 χ^2/NDF: 797484.3/16

Left Out: 351.264+/-0.057 χ^2/NDF:1118243.1/24

Right Out: 545.679+/-0.137 χ^2/NDF: 1718224.6/20

Left In: 349.813+/-0.059 χ^2/NDF:990359.9/22

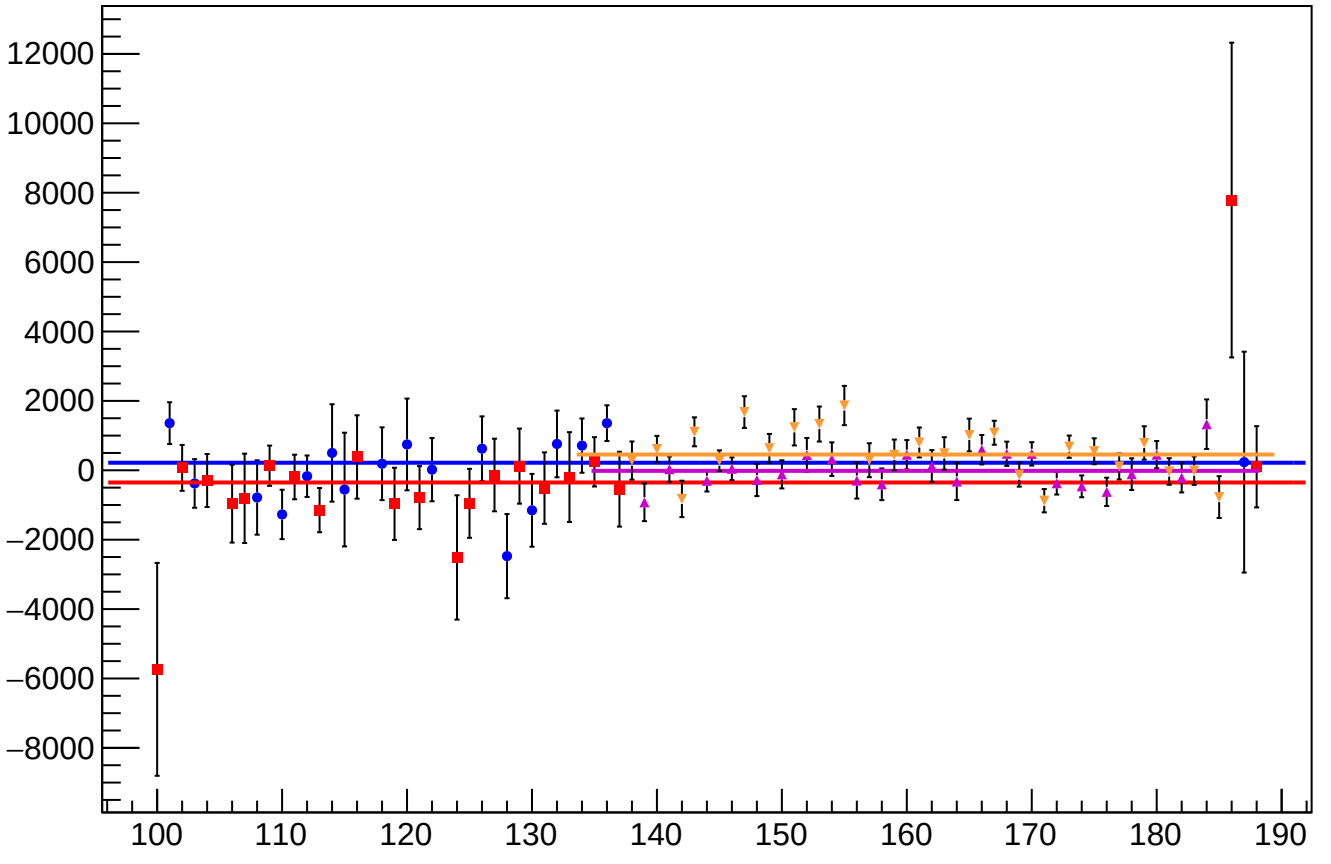
Left: 350.555+/-0.041 χ^2/NDF: 2108915.4/47

Right: 537.003+/-0.098 χ^2/NDF: 2523972.3/37

In: 375.961+/-0.054 χ^2/NDF:3136071.2/39

Out: 380.217+/-0.053 χ^2/NDF:4546639.9/45

All: 378.142+/-0.038 χ^2/NDF: 7685862.7/85



Right In: 217.831+/-207.052 χ^2/NDF: 22.9/16

Left Out: 455.234+/-82.961 χ^2/NDF:60.8/24

Right Out: -351.168+/-202.286 χ^2/NDF: 13.4/20

Left In: -16.073+/-84.830 χ^2/NDF:24.9/22

Left: 224.832+/-59.312 χ^2/NDF: 101.5/47

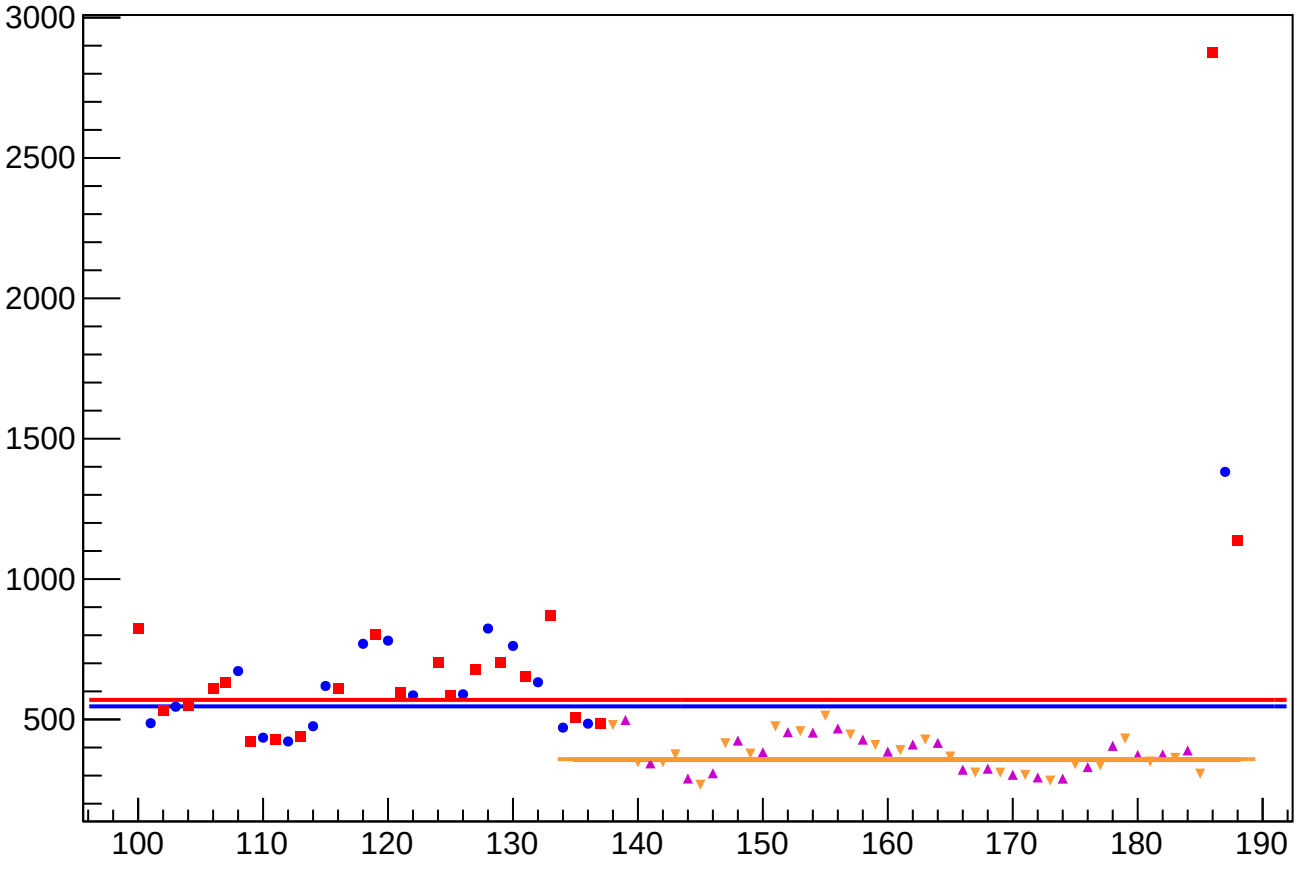
Right: -73.293+/-144.694 χ^2/NDF: 40.1/37

In: 17.547+/-78.498 χ^2/NDF:48.8/39

Out: 339.130+/-76.756 χ^2/NDF:87.8/45

All: 181.945+/-54.880 χ^2/NDF: 145.2/85

asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 546.547+/-0.146 χ^2/NDF: 743595.0/16

Left Out: 358.677+/-0.059 χ^2/NDF:1119535.1/24

Right Out: 569.740+/-0.143 χ^2/NDF: 1642733.9/20

Left In: 357.182+/-0.060 χ^2/NDF:981641.8/22

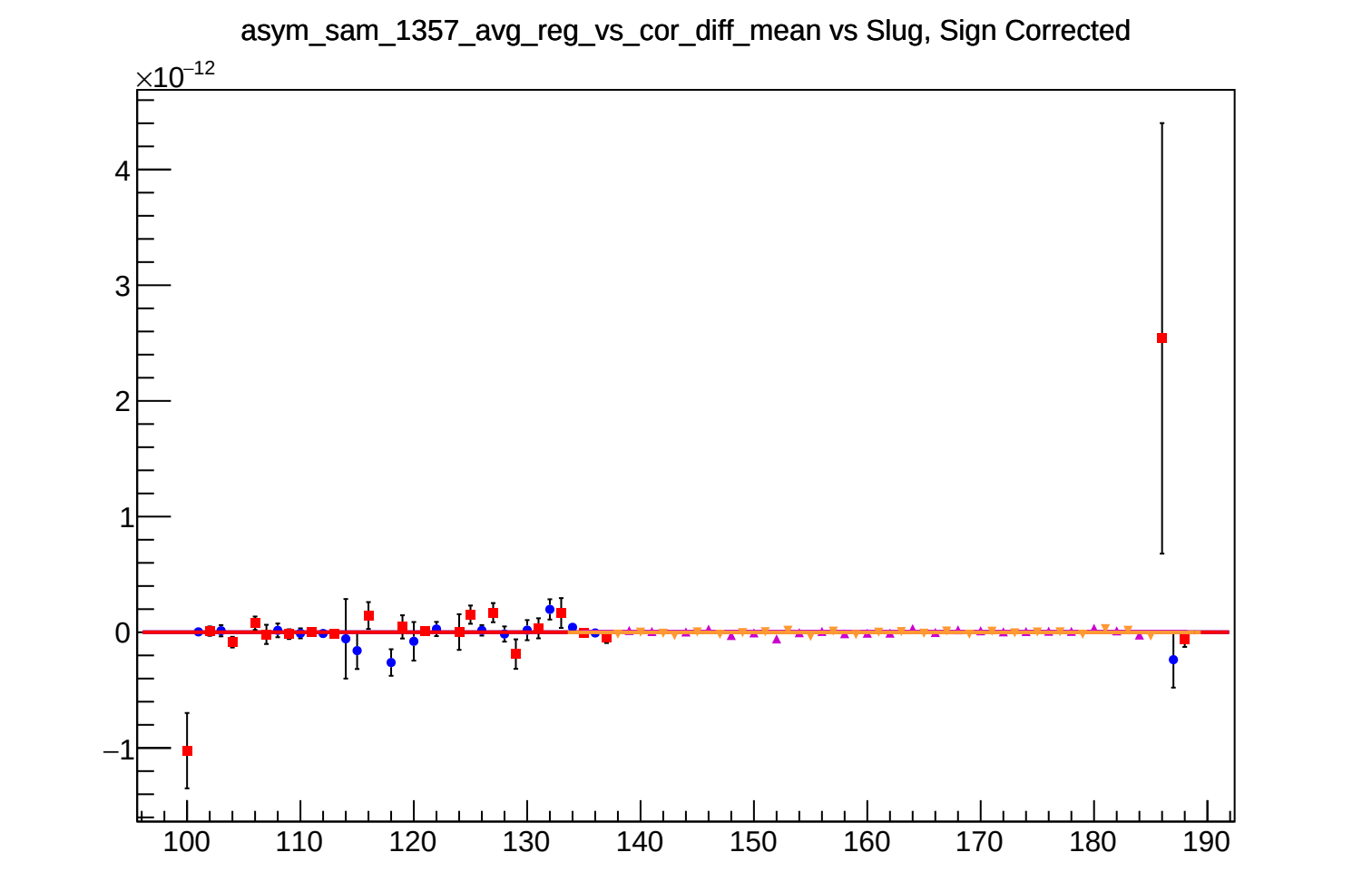
Left: 357.946+/-0.042 χ^2/NDF: 2101494.2/47

Right: 558.414+/-0.102 χ^2/NDF: 2399168.8/37

In: 384.400+/-0.056 χ^2/NDF:3157682.2/39

Out: 389.065+/-0.054 χ^2/NDF:4626113.3/45

All: 386.785+/-0.039 χ^2/NDF: 7787406.9/85



Right In: 0.000+/-0.000 χ^2/NDF: 14.6/16

Left Out: -0.000+/-0.000 χ^2/NDF:18.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 32.8/20

Left In: 0.000+/-0.000 χ^2/NDF:28.5/22

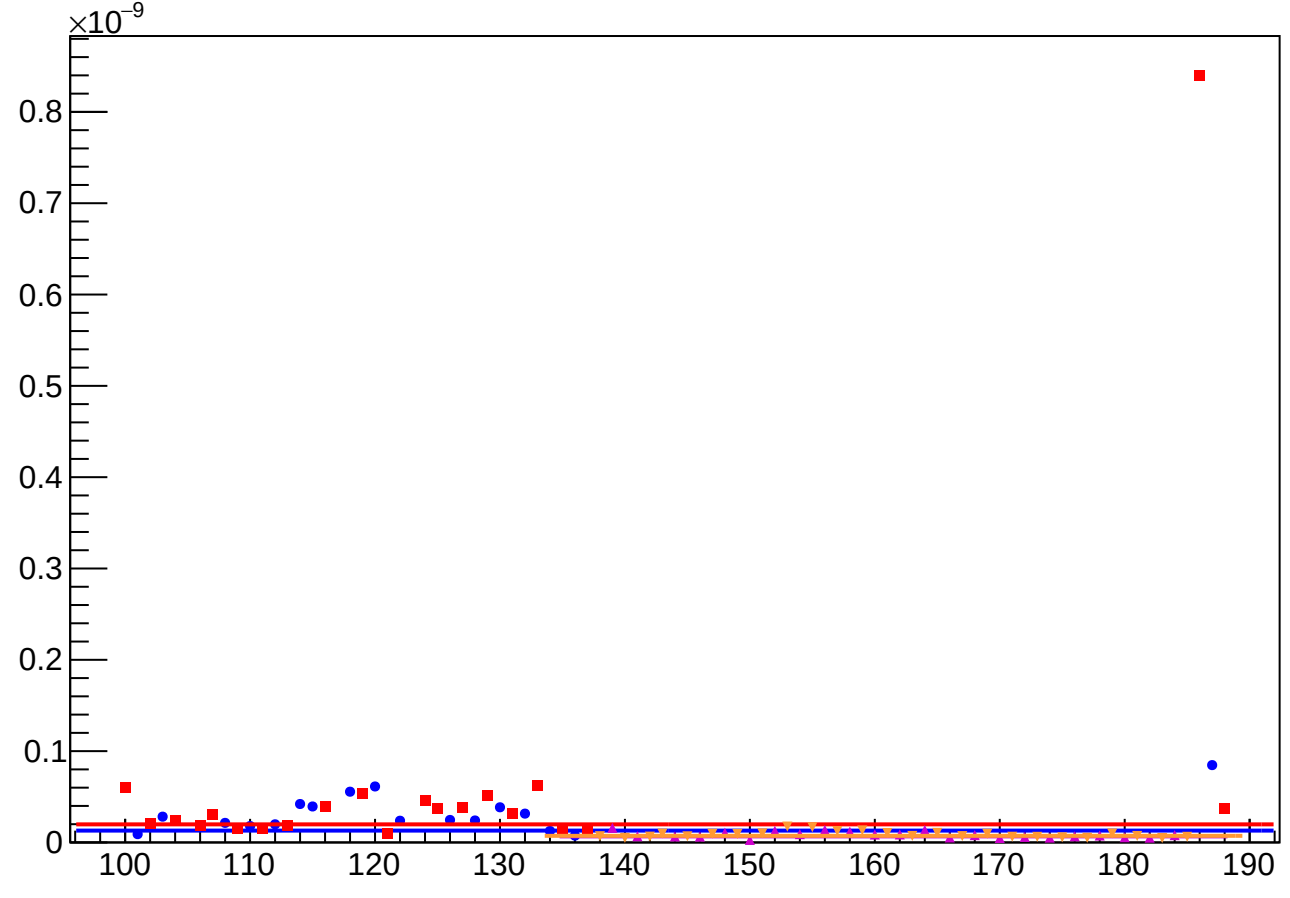
Left: 0.000+/-0.000 χ^2/NDF: 49.2/47

Right: 0.000+/-0.000 χ^2/NDF: 47.4/37

In: 0.000+/-0.000 χ^2/NDF:43.3/39

Out: -0.000+/-0.000 χ^2/NDF:51.0/45

All: 0.000+/-0.000 χ^2/NDF: 96.6/85



Right In: 0.000+/-0.000 χ^2/NDF: 1933406.3/16

Left Out: 0.000+/-0.000 χ^2/NDF:1438289.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 1892266.8/20

Left In: 0.000+/-0.000 χ^2/NDF:1746143.3/22

Left: 0.000+/-0.000 χ^2/NDF: 3229339.0/47

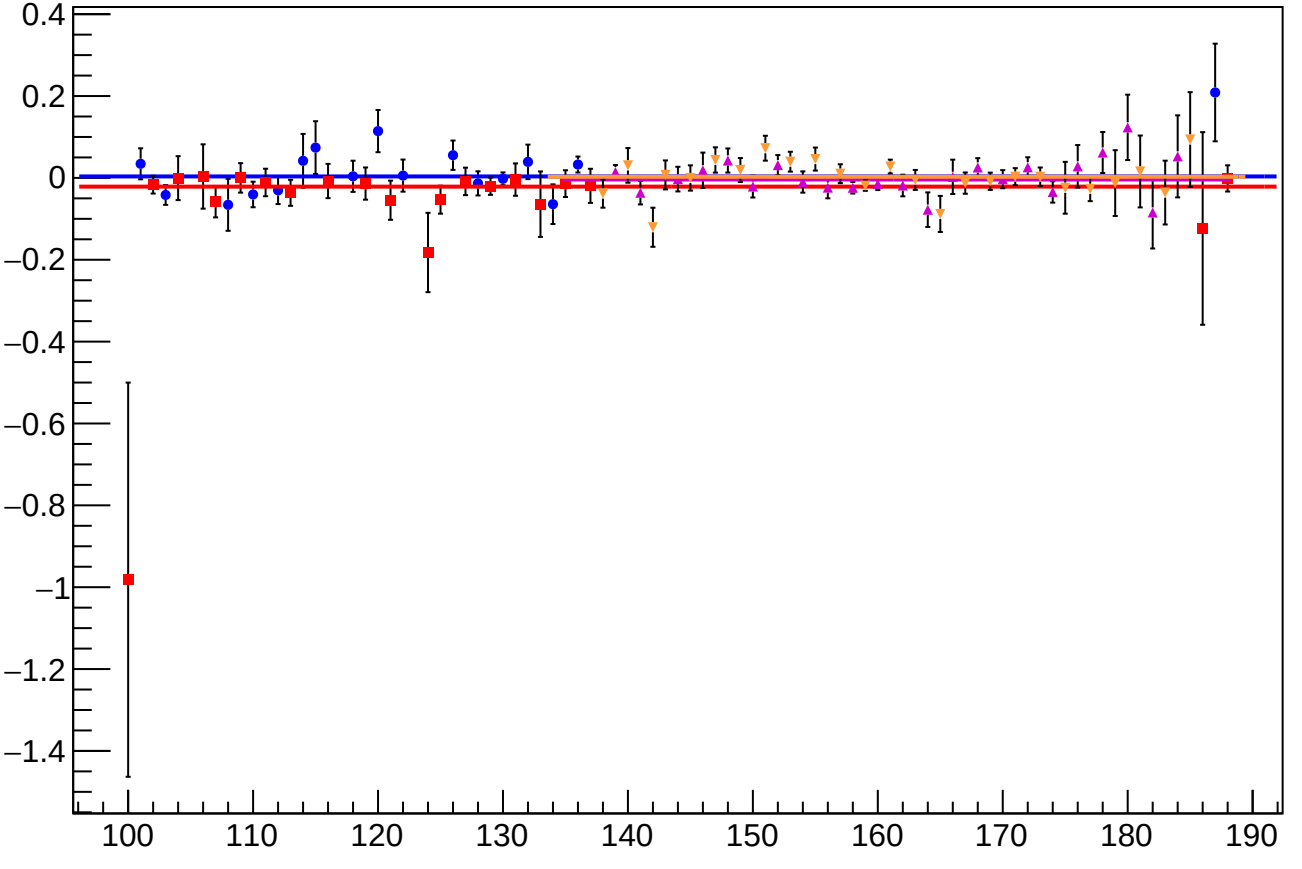
Right: 0.000+/-0.000 χ^2/NDF: 4240530.6/37

In: 0.000+/-0.000 χ^2/NDF:4568836.3/39

Out: 0.000+/-0.000 χ^2/NDF:5423144.8/45

All: 0.000+/-0.000 χ^2/NDF: 10060543.1/85

asym_sam_1357_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.004+/-0.008 χ^2/NDF: 24.9/16

Left Out: 0.003+/-0.005 χ^2/NDF:32.8/24

Right Out: -0.021+/-0.008 χ^2/NDF: 11.4/20

Left In: -0.004+/-0.005 χ^2/NDF:24.6/22

Left: -0.001+/-0.004 χ^2/NDF: 58.2/47

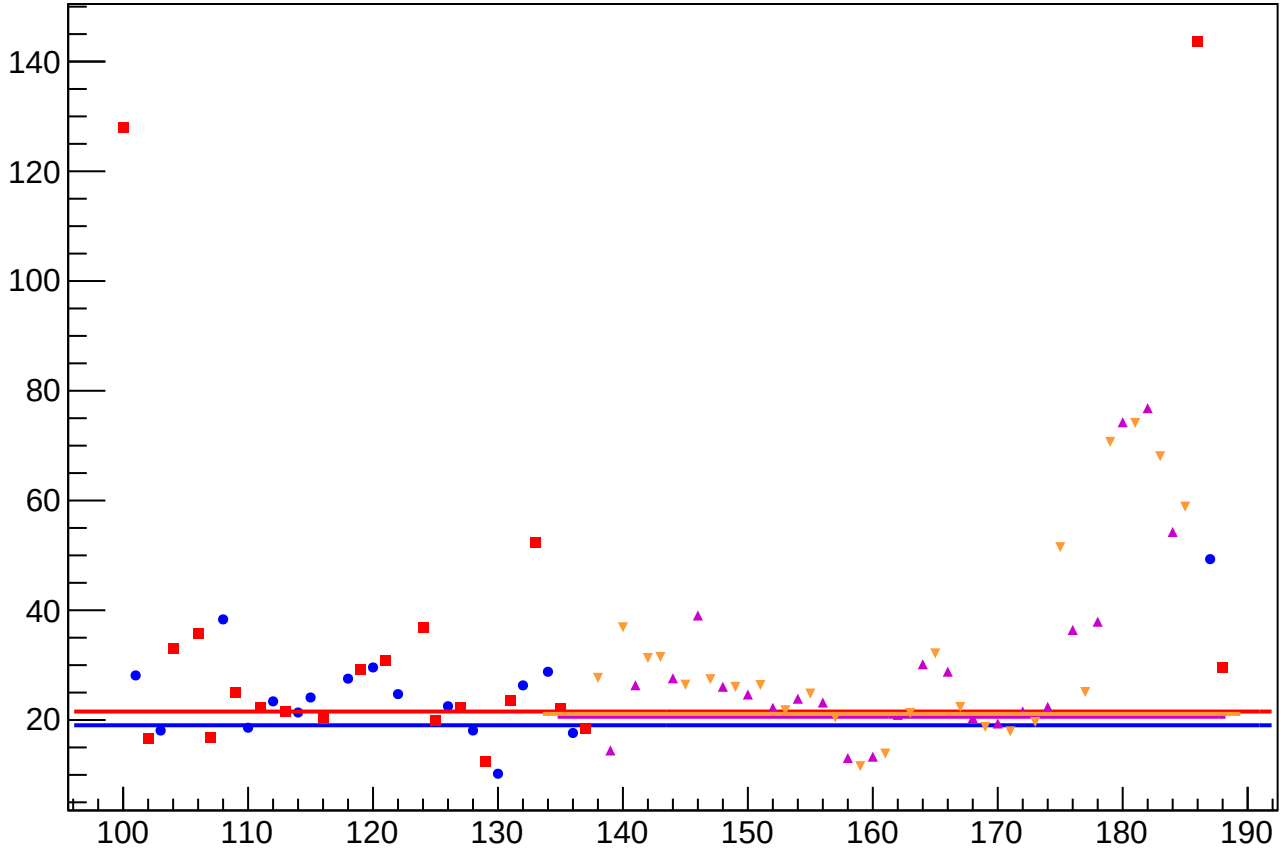
Right: -0.008+/-0.006 χ^2/NDF: 41.2/37

In: -0.001+/-0.004 χ^2/NDF:50.1/39

Out: -0.005+/-0.005 χ^2/NDF:50.2/45

All: -0.003+/-0.003 χ^2/NDF: 100.6/85

asym_sam_1357_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 19.041+/-0.006 χ^2/NDF: 1519763.9/16

Left Out: 21.109+/-0.004 χ^2/NDF:5546528.5/24

Right Out: 21.543+/-0.006 χ^2/NDF: 1970551.7/20

Left In: 20.591+/-0.004 χ^2/NDF:4599493.5/22

Left: 20.849+/-0.003 χ^2/NDF: 10155046.5/47

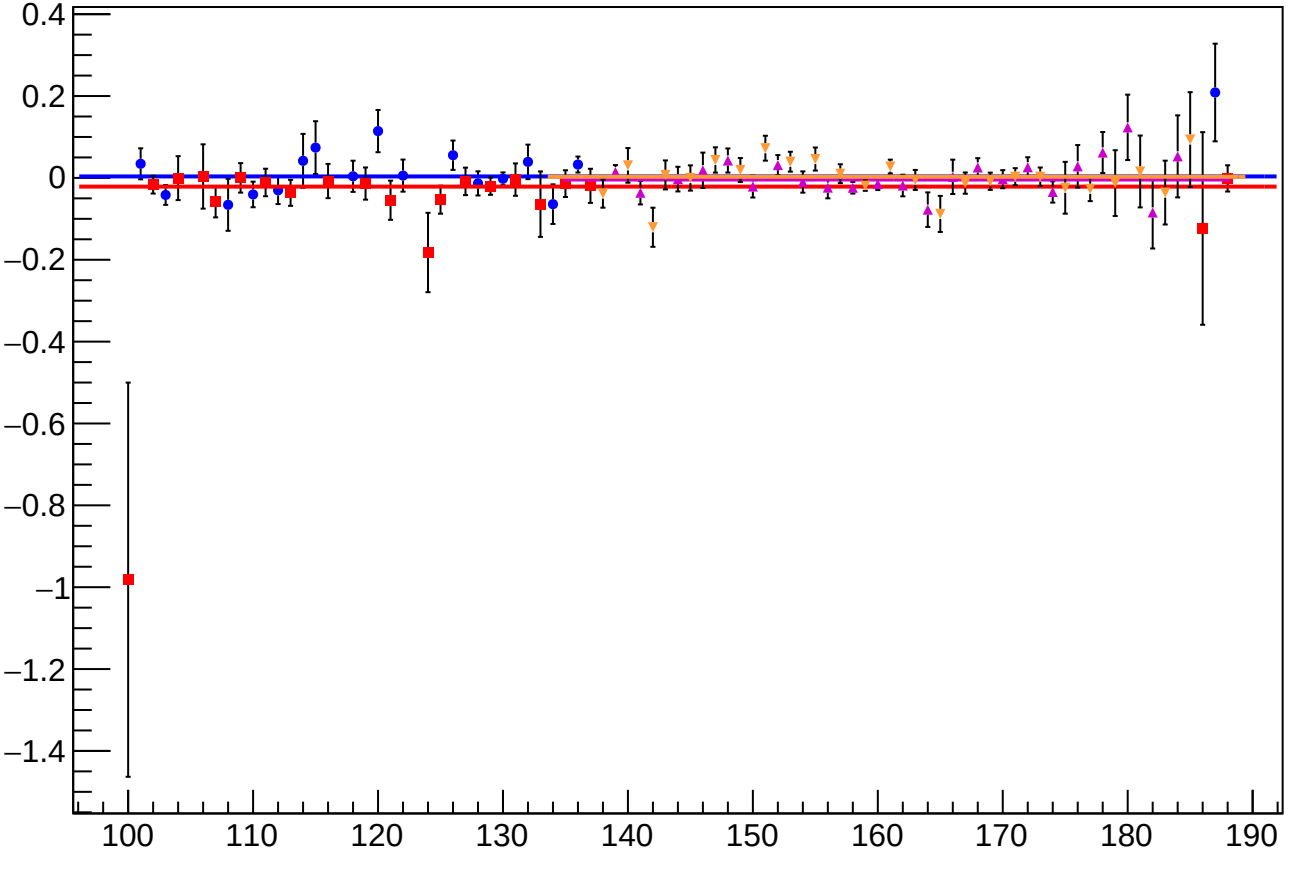
Right: 20.233+/-0.004 χ^2/NDF: 3588701.4/37

In: 20.084+/-0.003 χ^2/NDF:6172575.3/39

Out: 21.243+/-0.003 χ^2/NDF:7521004.5/45

All: 20.653+/-0.002 χ^2/NDF: 13760047.0/85

asym_sam_1357_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.004+/-0.008 χ^2/NDF: 24.9/16

Left Out: 0.003+/-0.005 χ^2/NDF:32.8/24

Right Out: -0.021+/-0.008 χ^2/NDF: 11.4/20

Left In: -0.004+/-0.005 χ^2/NDF:24.6/22

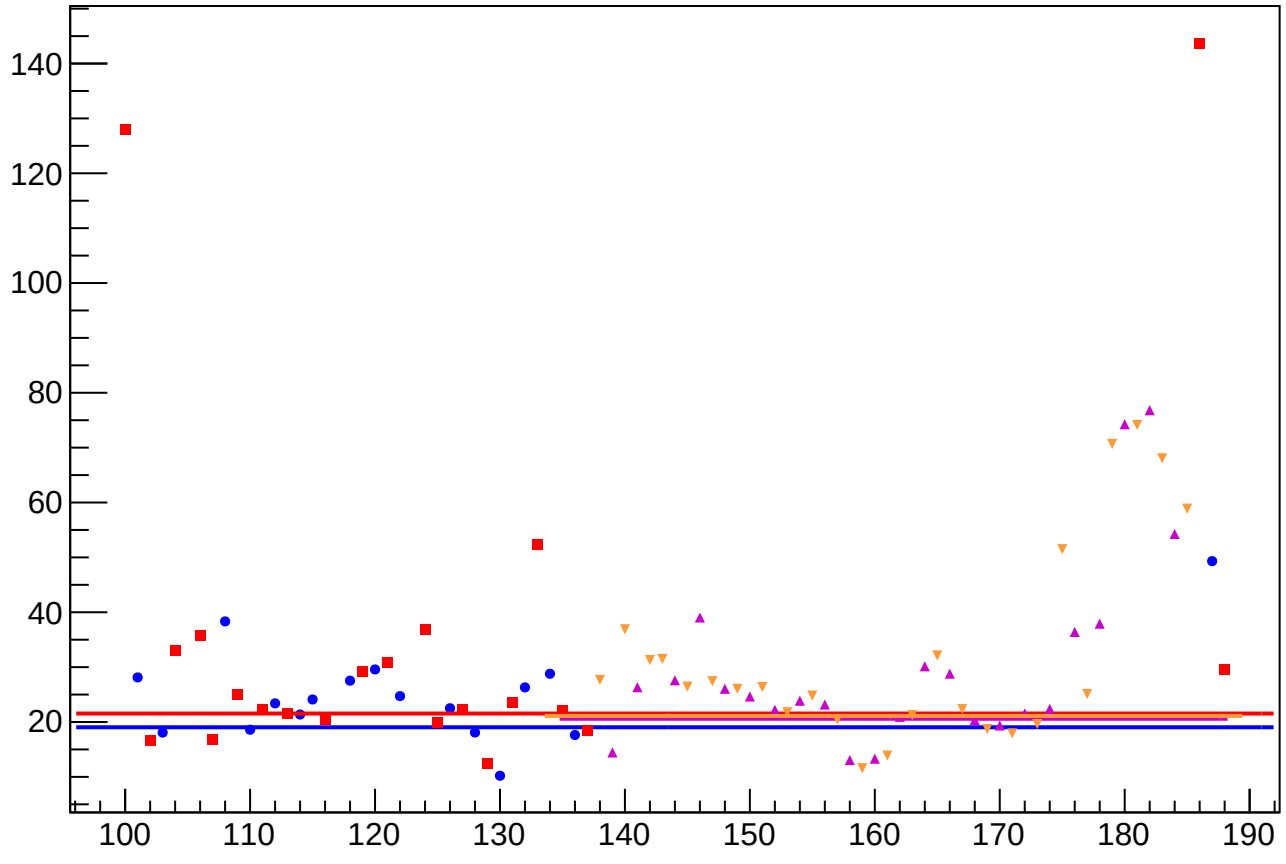
Left: -0.001+/-0.004 χ^2/NDF: 58.2/47

Right: -0.008+/-0.006 χ^2/NDF: 41.2/37

In: -0.001+/-0.004 χ^2/NDF:50.1/39

Out: -0.005+/-0.005 χ^2/NDF:50.2/45

All: -0.003+/-0.003 χ^2/NDF: 100.6/85



Right In: 19.041+/-0.006 χ^2/NDF: 1519763.9/16

Left Out: 21.109+/-0.004 χ^2/NDF:5546528.5/24

Right Out: 21.543+/-0.006 χ^2/NDF: 1970551.7/20

Left In: 20.591+/-0.004 χ^2/NDF:4599493.5/22

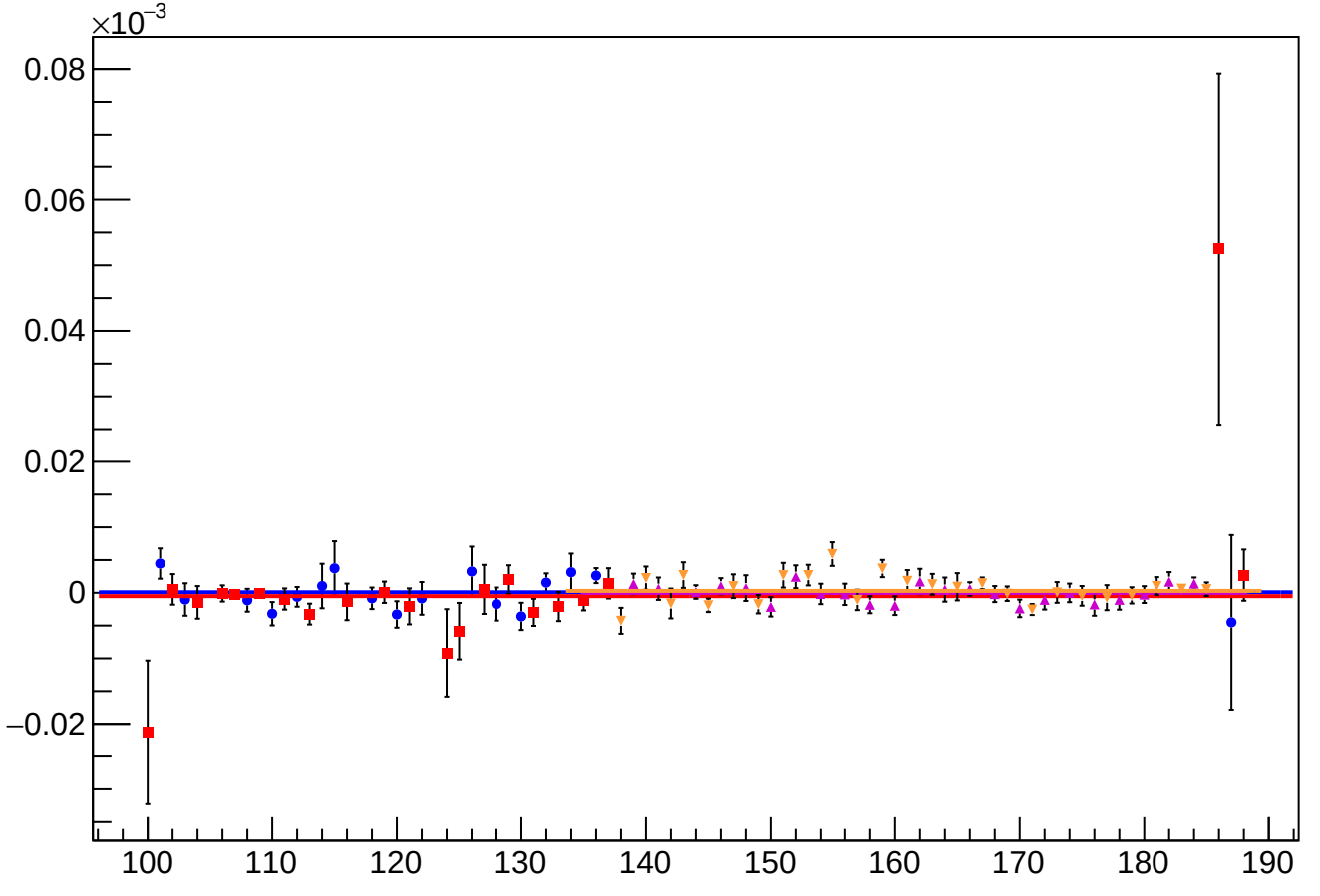
Left: 20.849+/-0.003 χ^2/NDF: 10155046.5/47

Right: 20.233+/-0.004 χ^2/NDF: 3588701.4/37

In: 20.084+/-0.003 χ^2/NDF:6172575.3/39

Out: 21.243+/-0.003 χ^2/NDF:7521004.5/45

All: 20.653+/-0.002 χ^2/NDF: 13760047.0/85



Right In: 0.000+/-0.000 χ^2/NDF: 23.6/16

Left Out: 0.000+/-0.000 χ^2/NDF:52.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 20.2/20

Left In: -0.000+/-0.000 χ^2/NDF:19.8/22

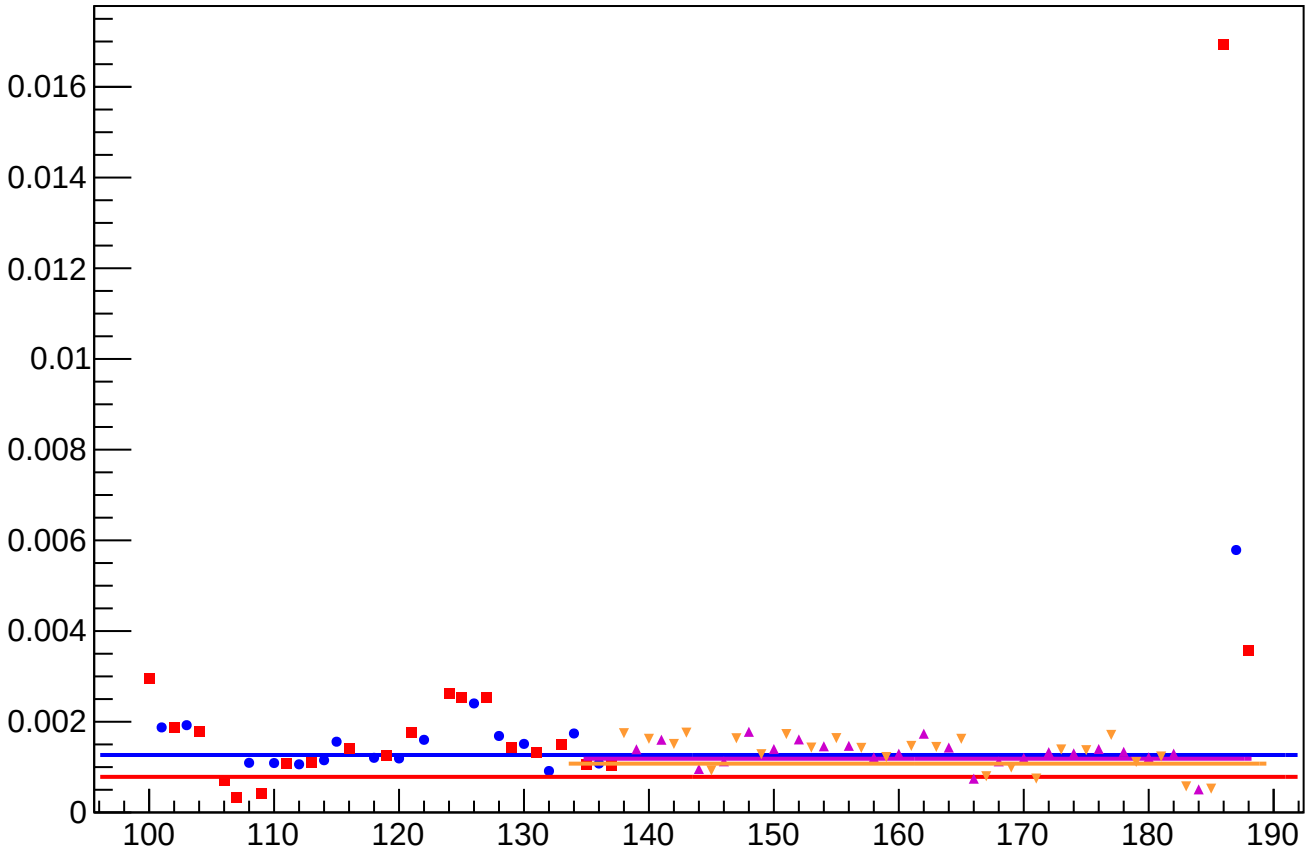
Left: 0.000+/-0.000 χ^2/NDF: 73.0/47

Right: -0.000+/-0.000 χ^2/NDF: 44.9/37

In: 0.000+/-0.000 χ^2/NDF:43.5/39

Out: -0.000+/-0.000 χ^2/NDF:76.3/45

All: -0.000+/-0.000 χ^2/NDF: 119.8/85



Right In: 0.001+/-0.000 χ^2/NDF: 1137725.8/16

Left Out: 0.001+/-0.000 χ^2/NDF:4545392.2/24

Right Out: 0.001+/-0.000 χ^2/NDF: 6428160.3/20

Left In: 0.001+/-0.000 χ^2/NDF:2456537.2/22

Left: 0.001+/-0.000 χ^2/NDF: 7155644.5/47

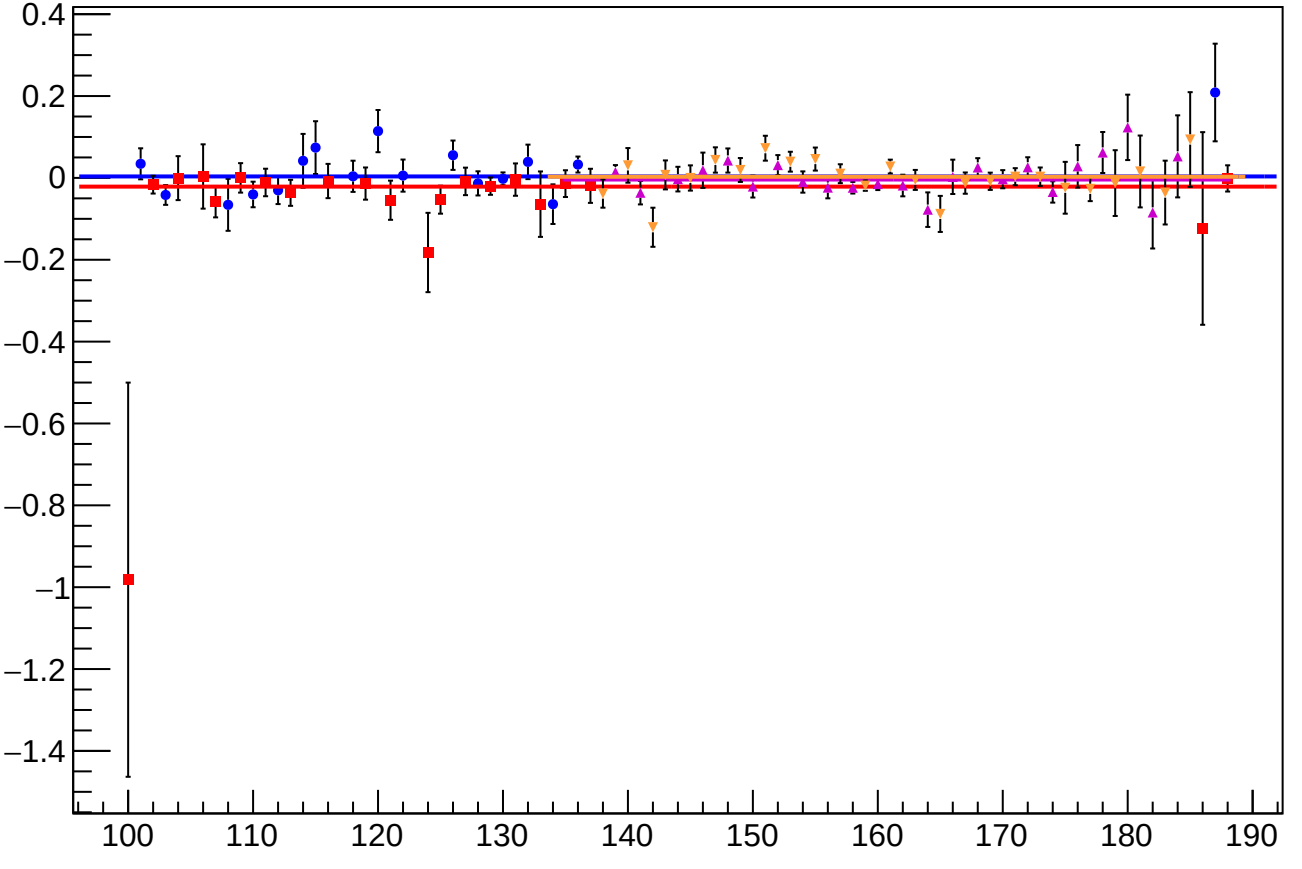
Right: 0.001+/-0.000 χ^2/NDF: 8891246.4/37

In: 0.001+/-0.000 χ^2/NDF:3636639.2/39

Out: 0.001+/-0.000 χ^2/NDF:11905311.8/45

All: 0.001+/-0.000 χ^2/NDF: 16640474.6/85

asym_sam_1357_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.004+/-0.008 χ^2/NDF: 24.9/16

Left Out: 0.003+/-0.005 χ^2/NDF:32.8/24

Right Out: -0.021+/-0.008 χ^2/NDF: 11.4/20

Left In: -0.004+/-0.005 χ^2/NDF:24.6/22

Left: -0.001+/-0.004 χ^2/NDF: 58.2/47

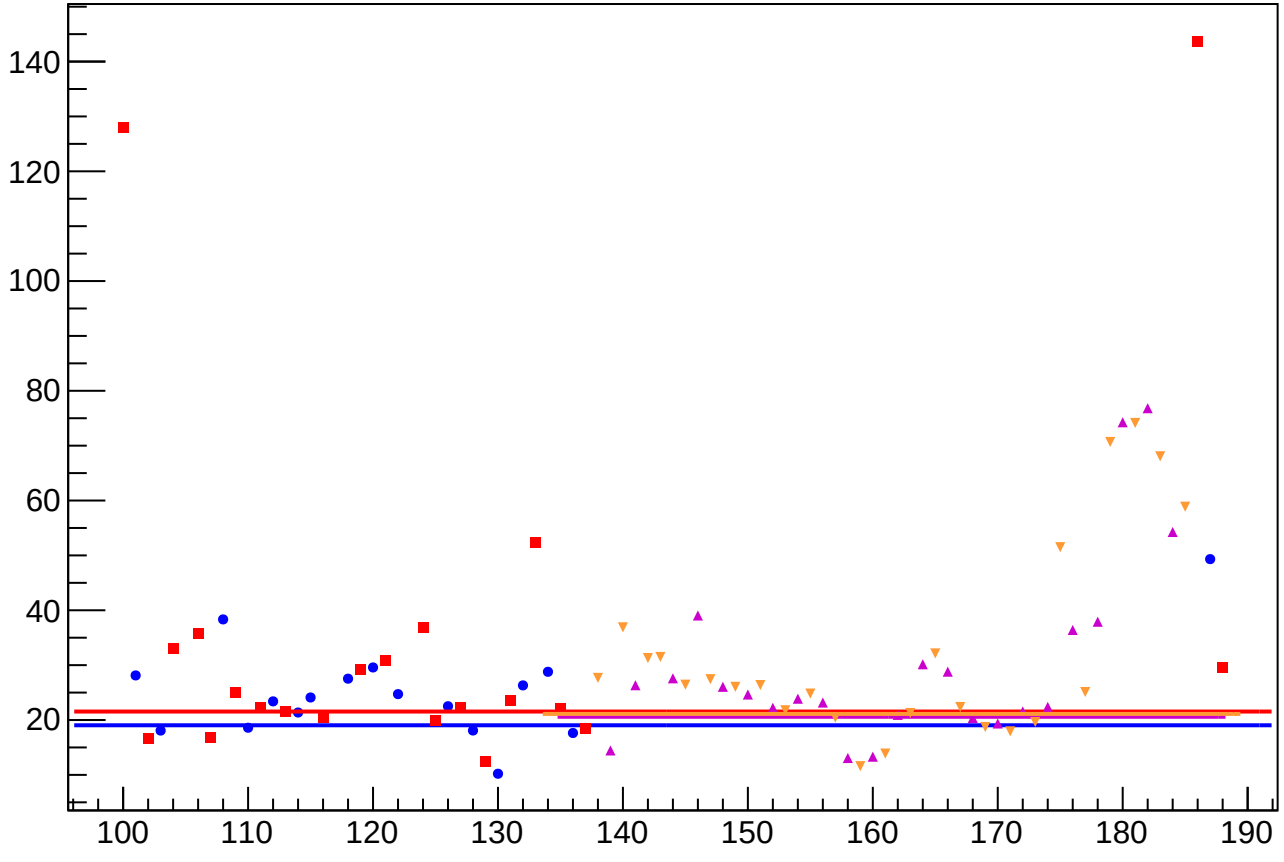
Right: -0.008+/-0.006 χ^2/NDF: 41.2/37

In: -0.001+/-0.004 χ^2/NDF:50.1/39

Out: -0.005+/-0.005 χ^2/NDF:50.2/45

All: -0.003+/-0.003 χ^2/NDF: 100.6/85

asym_sam_1357_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 19.041+/-0.006 χ^2/NDF: 1519655.8/16

Left Out: 21.109+/-0.004 χ^2/NDF:5546663.4/24

Right Out: 21.544+/-0.006 χ^2/NDF: 1970549.2/20

Left In: 20.592+/-0.004 χ^2/NDF:4599496.2/22

Left: 20.849+/-0.003 χ^2/NDF: 10155178.1/47

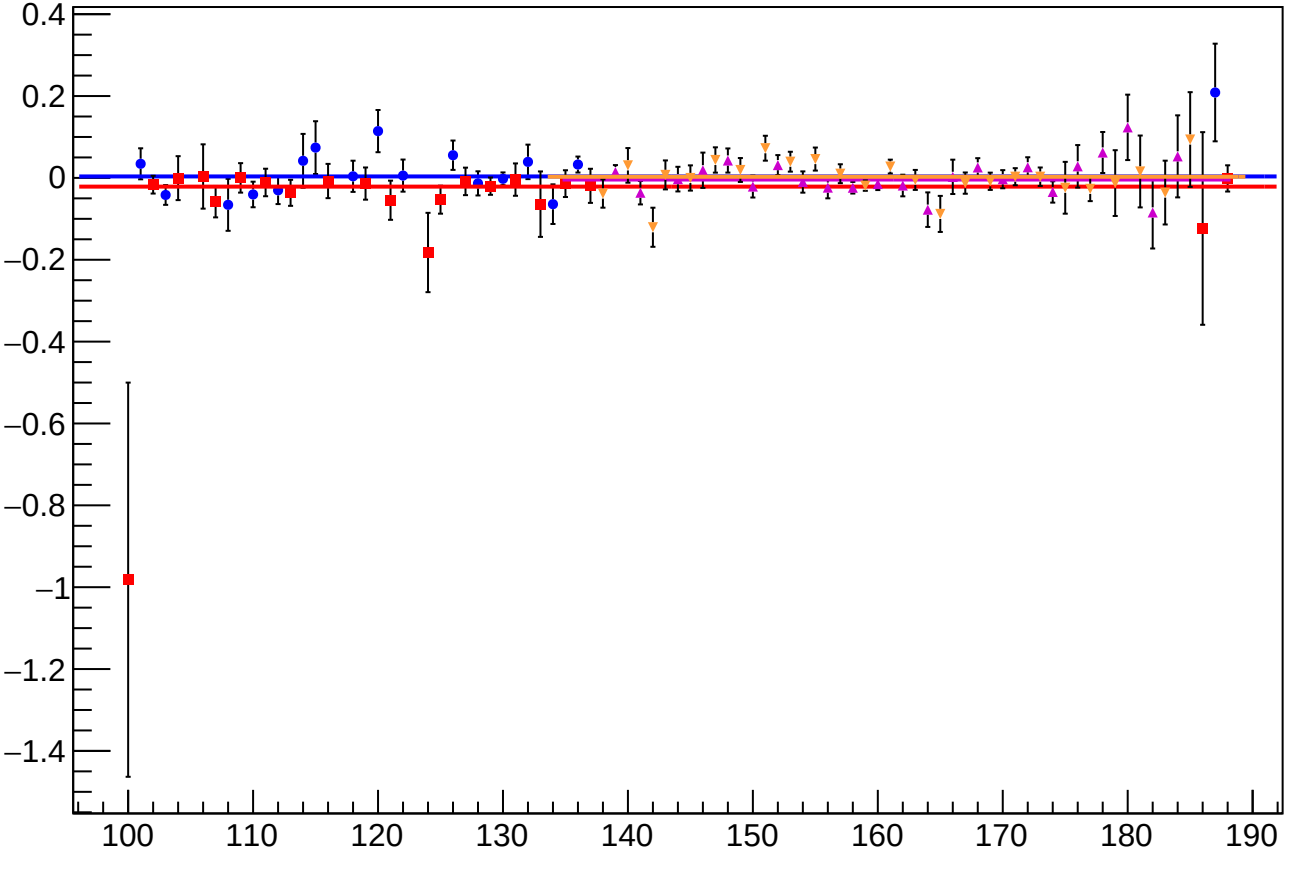
Right: 20.233+/-0.004 χ^2/NDF: 3588571.9/37

In: 20.084+/-0.003 χ^2/NDF:6172455.4/39

Out: 21.243+/-0.003 χ^2/NDF:7521139.7/45

All: 20.653+/-0.002 χ^2/NDF: 13760039.0/85

asym_sam_1357_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.004+/-0.008 χ^2/NDF: 24.9/16

Left Out: 0.003+/-0.005 χ^2/NDF:32.8/24

Right Out: -0.021+/-0.008 χ^2/NDF: 11.4/20

Left In: -0.004+/-0.005 χ^2/NDF:24.6/22

Left: -0.001+/-0.004 χ^2/NDF: 58.2/47

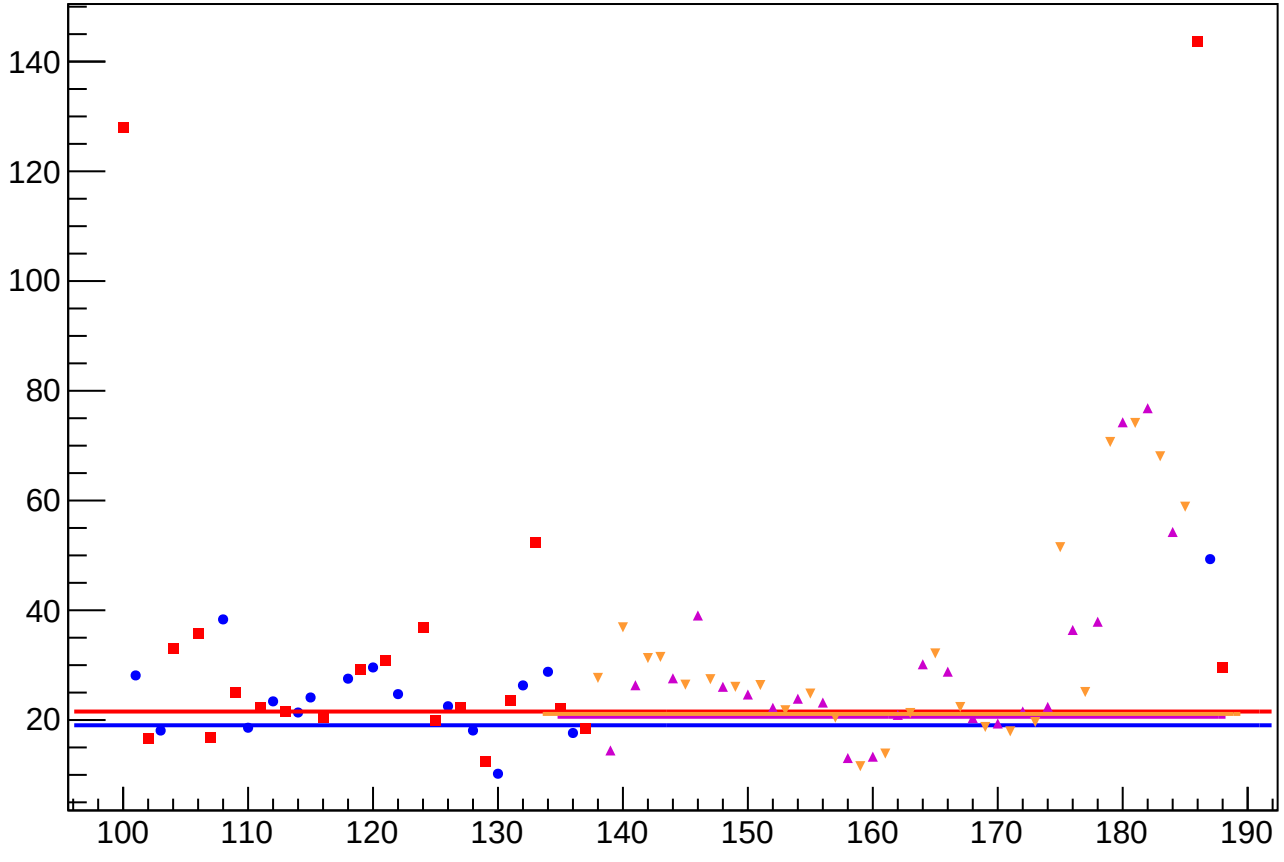
Right: -0.008+/-0.006 χ^2/NDF: 41.2/37

In: -0.001+/-0.004 χ^2/NDF:50.1/39

Out: -0.005+/-0.005 χ^2/NDF:50.2/45

All: -0.003+/-0.003 χ^2/NDF: 100.6/85

asym_sam_1357_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 19.041+/-0.006 χ^2/NDF: 1519655.8/16

Left Out: 21.109+/-0.004 χ^2/NDF:5546663.4/24

Right Out: 21.544+/-0.006 χ^2/NDF: 1970549.2/20

Left In: 20.592+/-0.004 χ^2/NDF:4599496.2/22

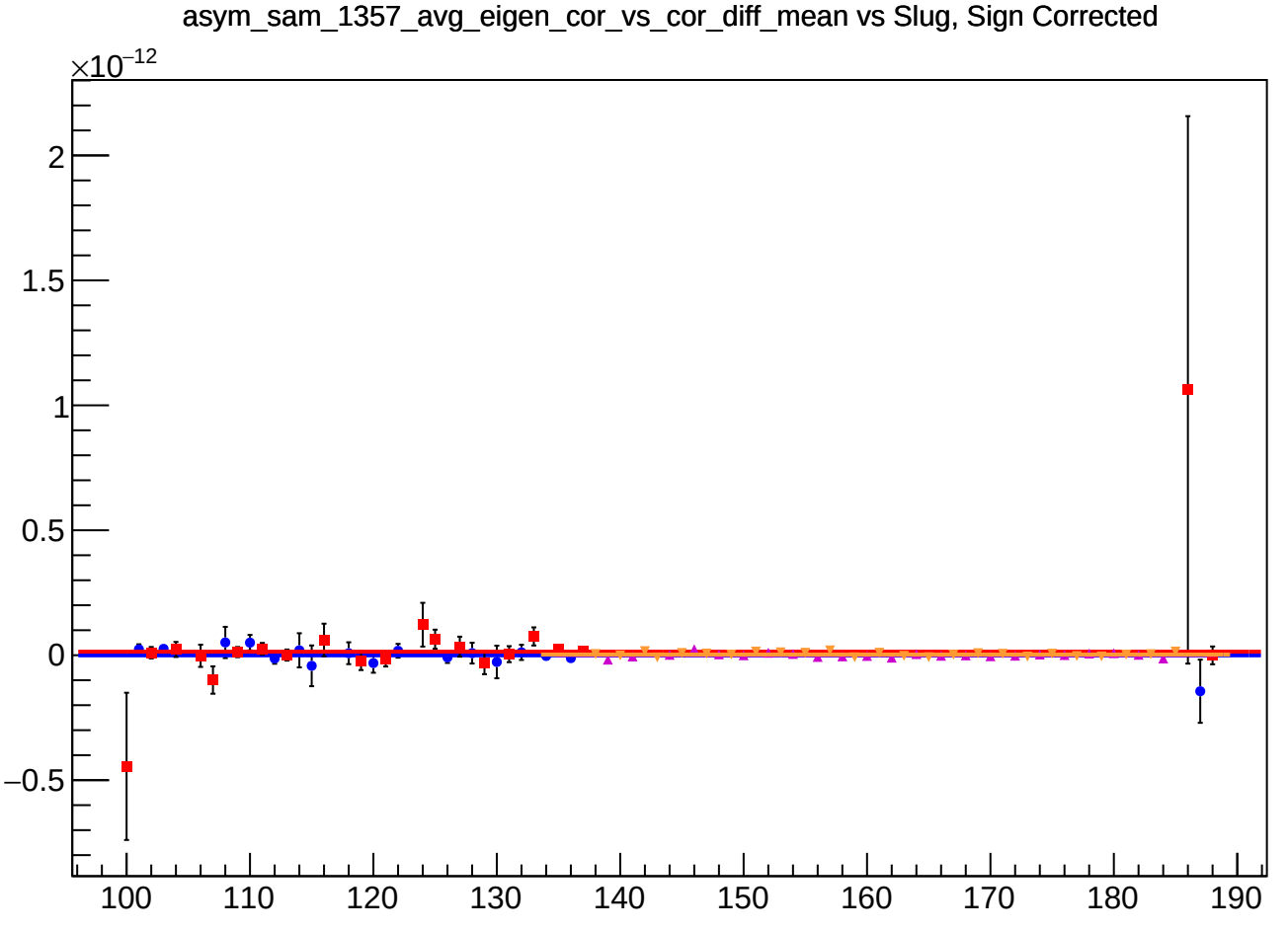
Left: 20.849+/-0.003 χ^2/NDF: 10155178.1/47

Right: 20.233+/-0.004 χ^2/NDF: 3588571.9/37

In: 20.084+/-0.003 χ^2/NDF:6172455.4/39

Out: 21.243+/-0.003 χ^2/NDF:7521139.7/45

All: 20.653+/-0.002 χ^2/NDF: 13760039.0/85



Right In: -0.000+/-0.000 χ^2/NDF: 11.8/16

Left Out: 0.000+/-0.000 χ^2/NDF:20.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 18.7/20

Left In: 0.000+/-0.000 χ^2/NDF:21.4/22

Left: 0.000+/-0.000 χ^2/NDF: 42.7/47

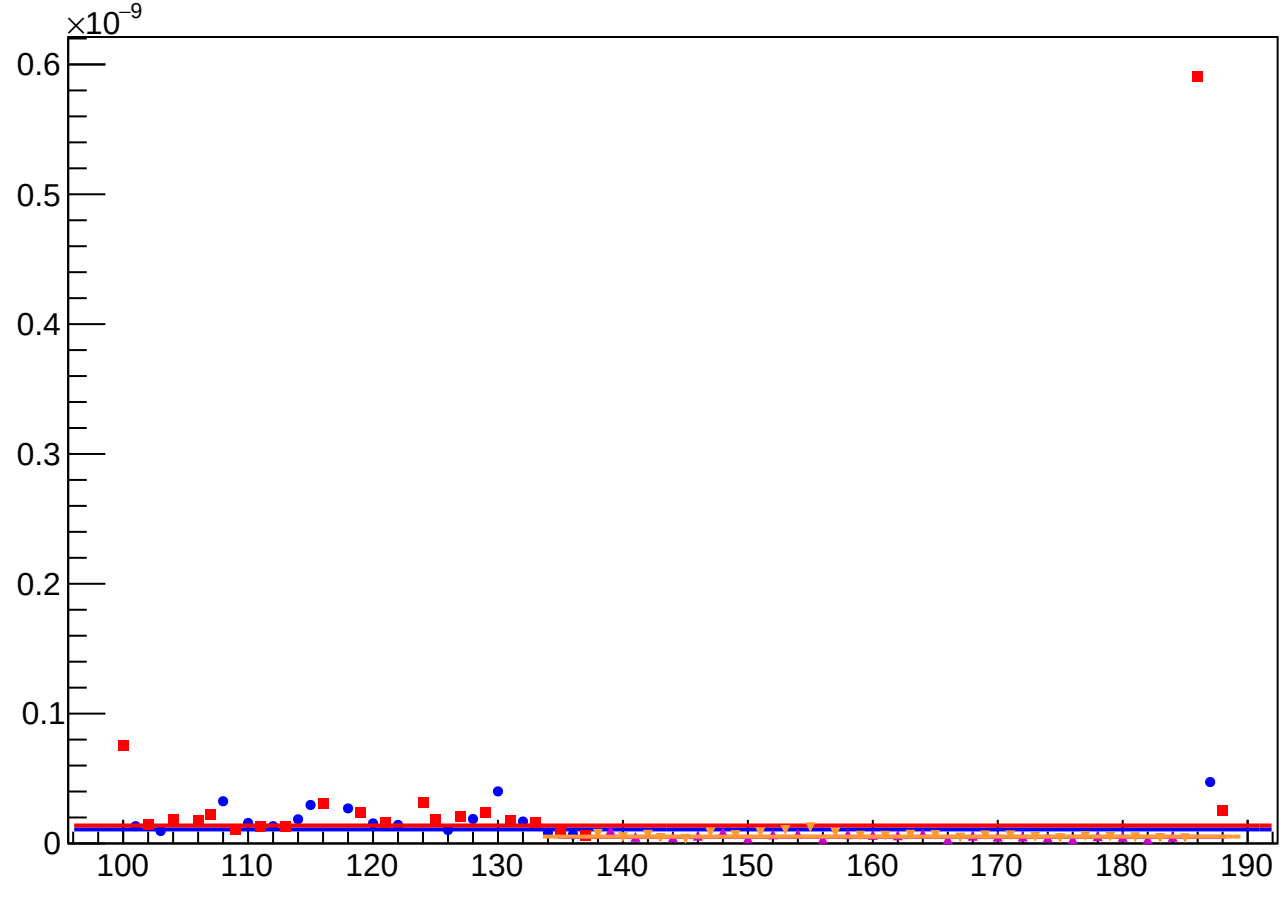
Right: 0.000+/-0.000 χ^2/NDF: 33.5/37

In: 0.000+/-0.000 χ^2/NDF:33.2/39

Out: 0.000+/-0.000 χ^2/NDF:42.4/45

All: 0.000+/-0.000 χ^2/NDF: 77.1/85

asym_sam_1357_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2003590.4/16

Left Out: 0.000+/-0.000 χ^2/NDF:2053779.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2164620.0/20

Left In: 0.000+/-0.000 χ^2/NDF:1700889.7/22

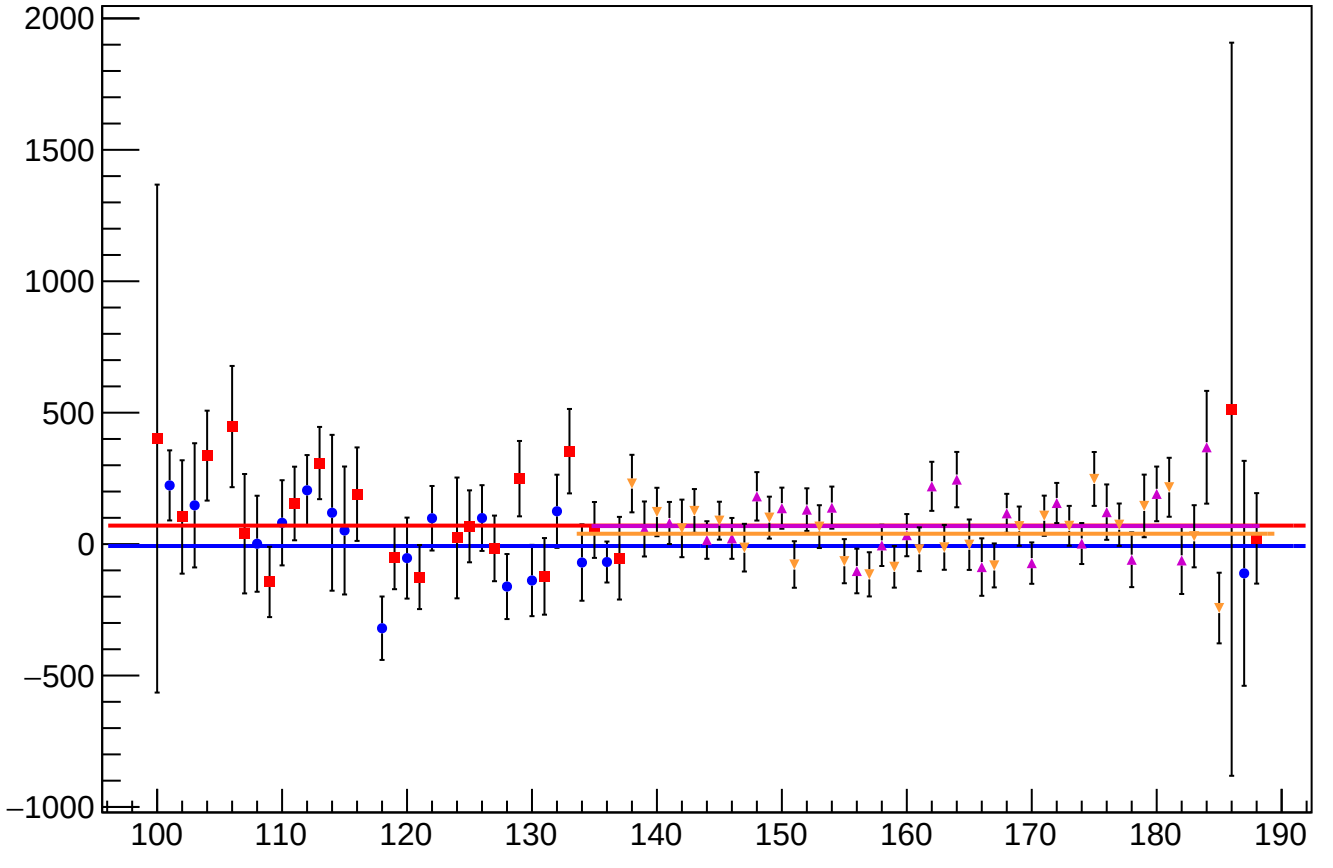
Left: 0.000+/-0.000 χ^2/NDF: 3769522.8/47

Right: 0.000+/-0.000 χ^2/NDF: 4423207.9/37

In: 0.000+/-0.000 χ^2/NDF:5639445.9/39

Out: 0.000+/-0.000 χ^2/NDF:7581452.2/45

All: 0.000+/-0.000 χ^2/NDF: 13247818.3/85



Right In: -7.226+/-34.177 χ^2/NDF: 19.0/16

Left Out: 39.477+/-17.666 χ^2/NDF:31.9/24

Right Out: 70.406+/-34.178 χ^2/NDF: 23.0/20

Left In: 68.620+/-18.317 χ^2/NDF:29.0/22

Left: 53.521+/-12.716 χ^2/NDF: 62.3/47

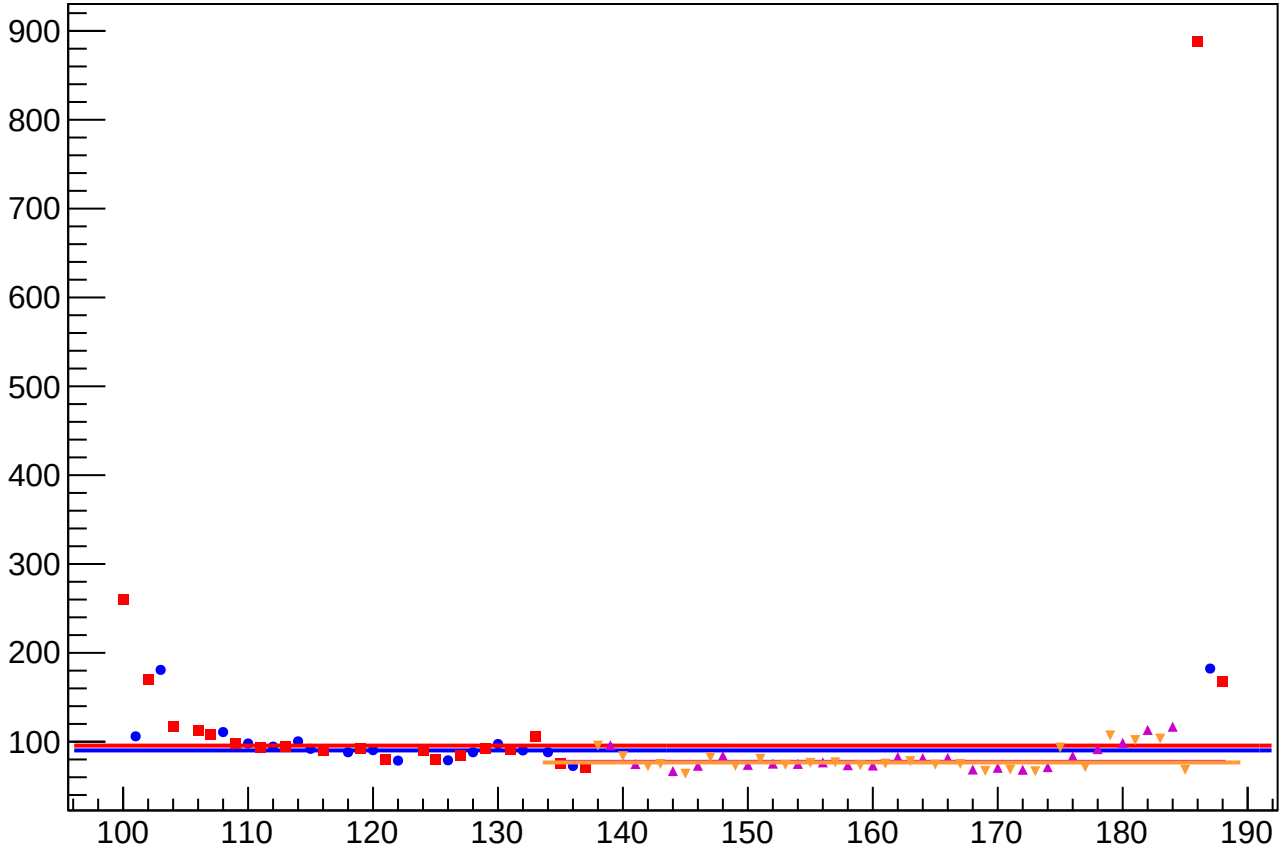
Right: 31.589+/-24.167 χ^2/NDF: 44.5/37

In: 51.695+/-16.145 χ^2/NDF:51.8/39

Out: 45.998+/-15.694 χ^2/NDF:55.6/45

All: 48.766+/-11.253 χ^2/NDF: 107.4/85

reg_asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 90.195+/-0.024 χ^2/NDF: 591659.4/16

Left Out: 76.646+/-0.012 χ^2/NDF:654608.6/24

Right Out: 95.621+/-0.024 χ^2/NDF: 1559241.8/20

Left In: 77.348+/-0.013 χ^2/NDF:590414.8/22

Left: 76.985+/-0.009 χ^2/NDF: 1246545.0/47

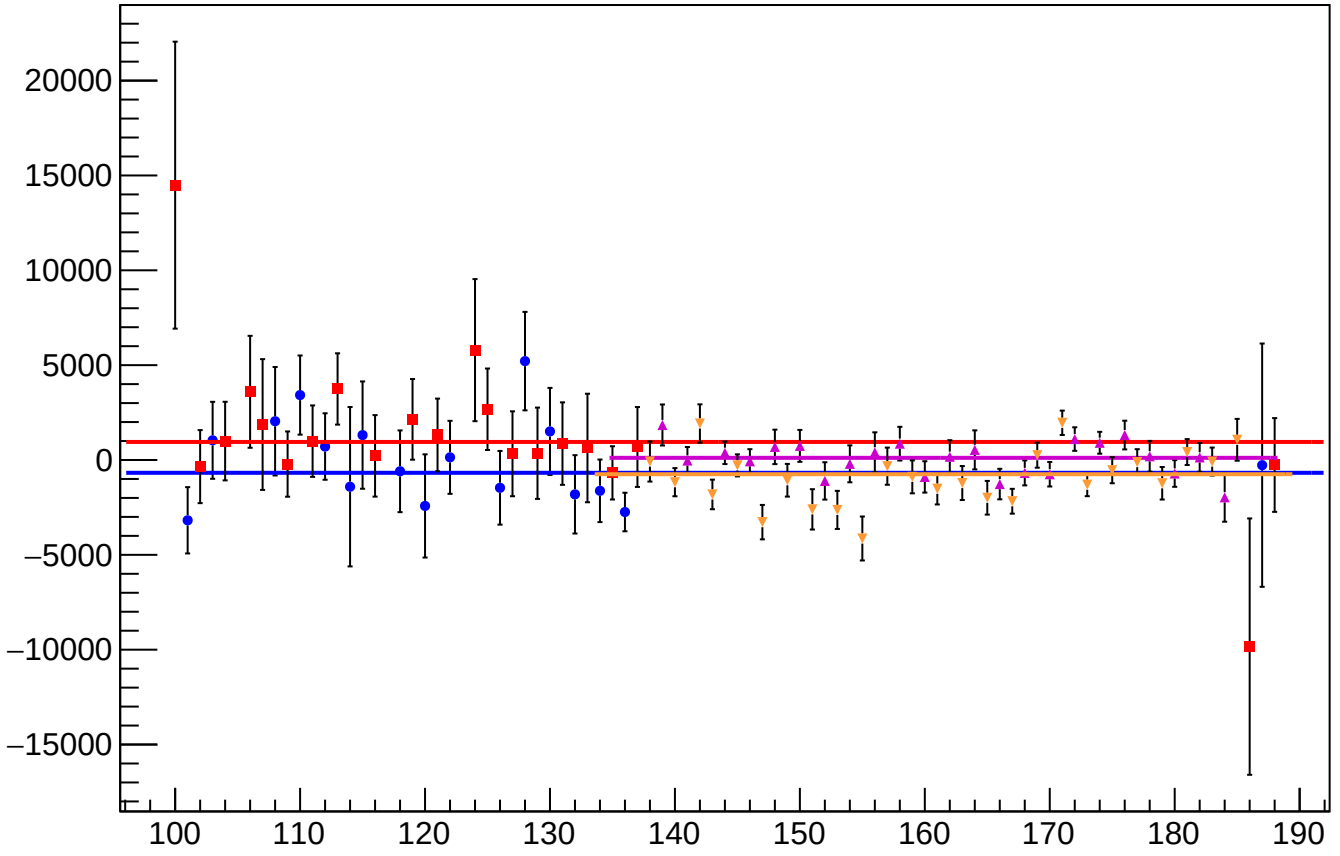
Right: 92.908+/-0.017 χ^2/NDF: 2176109.4/37

In: 80.215+/-0.011 χ^2/NDF:1401605.2/39

Out: 80.647+/-0.011 χ^2/NDF:2700335.7/45

All: 80.437+/-0.008 χ^2/NDF: 4102677.6/85

asym_sam_2468_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -675.068+/-485.086 χ^2/NDF: 20.3/16

Left Out: -749.641+/-158.081 χ^2/NDF:70.0/24

Right Out: 951.541+/-485.376 χ^2/NDF: 14.3/20

Left In: 113.799+/-161.809 χ^2/NDF:25.1/22

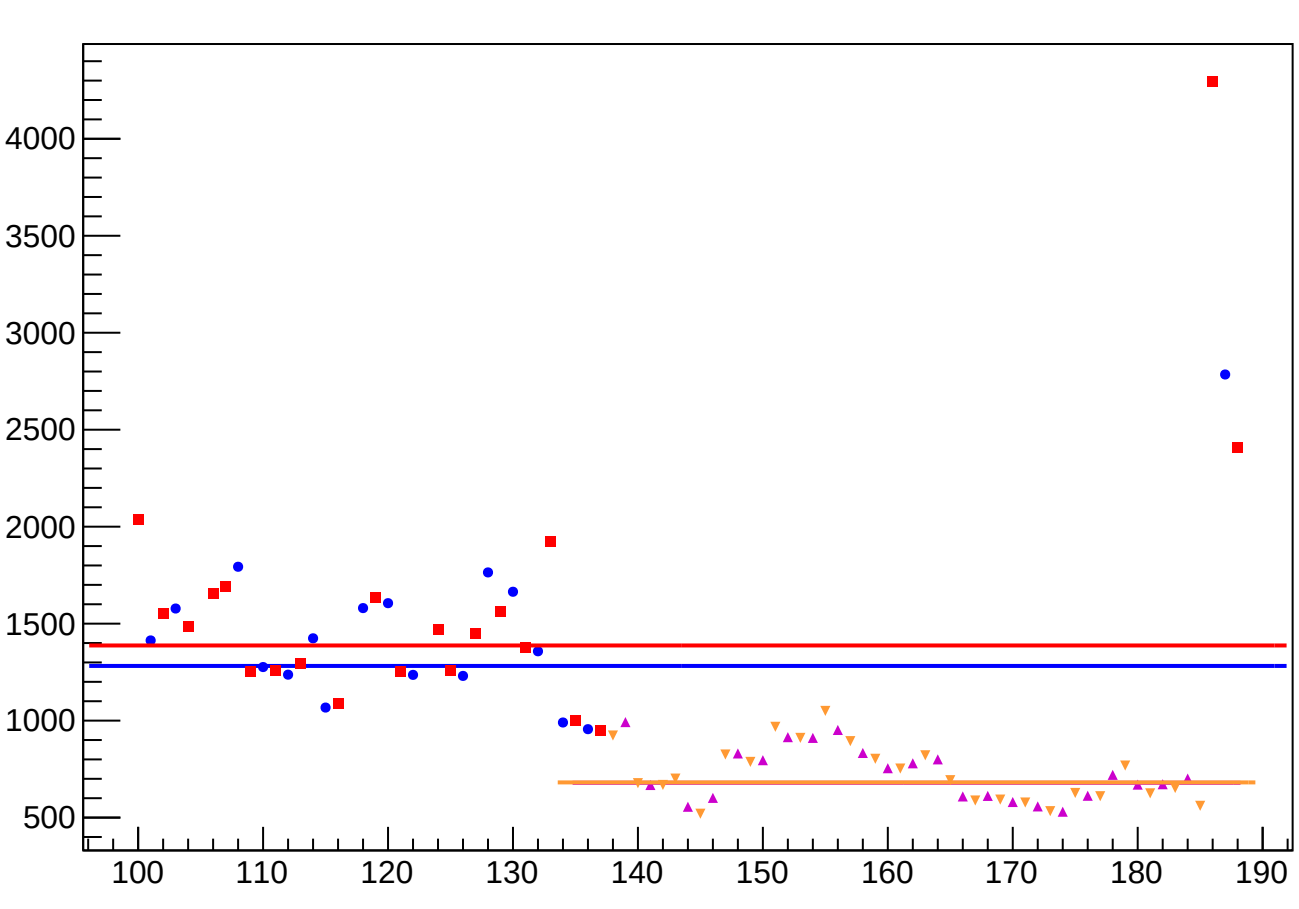
Left: -327.982+/-113.075 χ^2/NDF: 109.6/47

Right: 137.750+/-343.110 χ^2/NDF: 40.2/37

In: 34.813+/-153.495 χ^2/NDF:47.7/39

Out: -586.497+/-150.310 χ^2/NDF:95.4/45

All: -282.355+/-107.393 χ^2/NDF: 151.4/85



Right In: 1281.972+/-0.343 χ^2/NDF: 707971.5/16

Left Out: 681.427+/-0.112 χ^2/NDF:1334213.4/24

Right Out: 1387.495+/-0.343 χ^2/NDF: 1207547.0/20

Left In: 679.413+/-0.114 χ^2/NDF:1185267.0/22

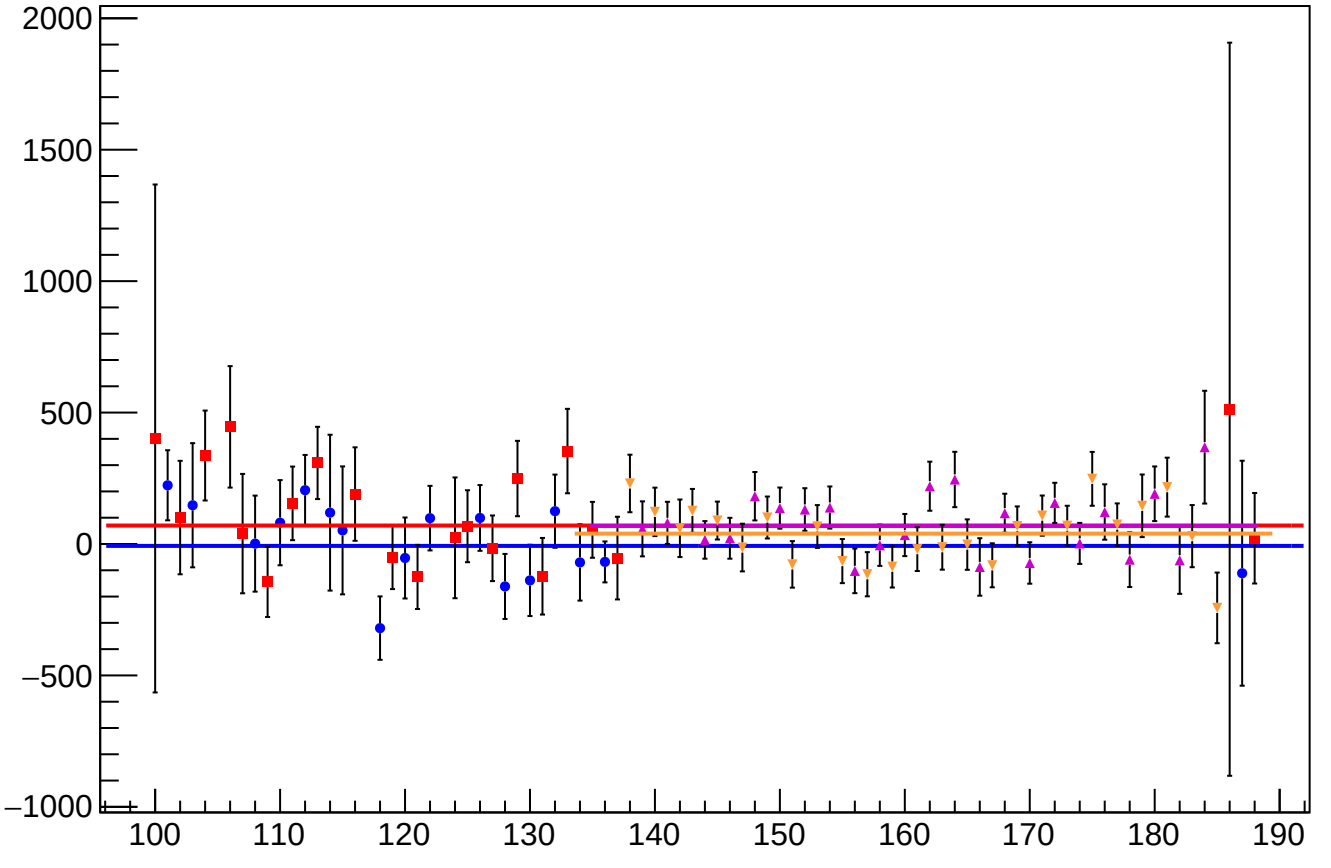
Left: 680.443+/-0.080 χ^2/NDF: 2519638.8/47

Right: 1334.702+/-0.243 χ^2/NDF: 1962811.5/37

In: 739.746+/-0.109 χ^2/NDF:4670213.5/39

Out: 749.139+/-0.106 χ^2/NDF:6368096.1/45

All: 744.541+/-0.076 χ^2/NDF: 11042133.0/85



Right In: -7.236+/-34.177 χ^2/NDF: 19.0/16

Left Out: 39.484+/-17.666 χ^2/NDF:31.9/24

Right Out: 70.268+/-34.180 χ^2/NDF: 22.9/20

Left In: 68.620+/-18.317 χ^2/NDF:29.0/22

Left: 53.525+/-12.716 χ^2/NDF: 62.3/47

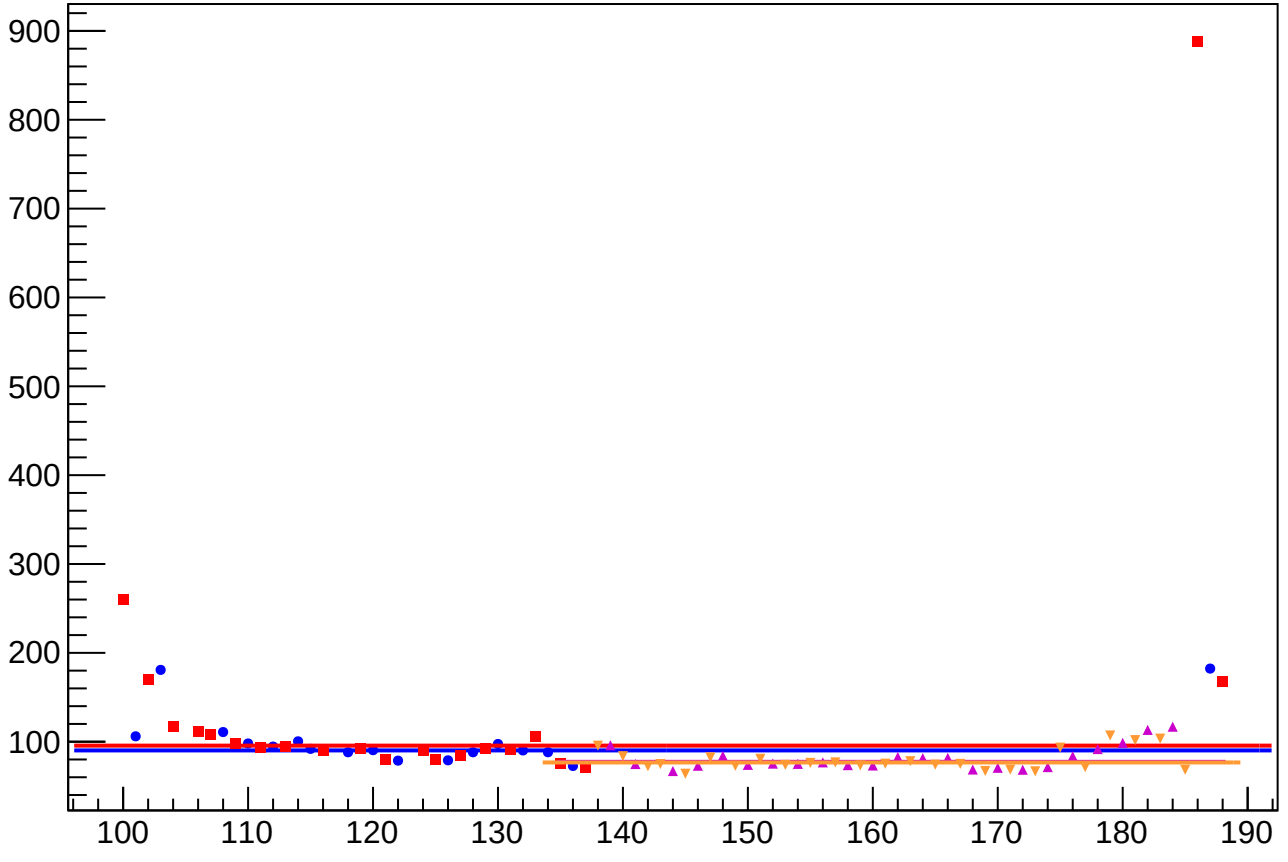
Right: 31.512+/-24.168 χ^2/NDF: 44.5/37

In: 51.693+/-16.145 χ^2/NDF:51.8/39

Out: 45.974+/-15.694 χ^2/NDF:55.5/45

All: 48.753+/-11.253 χ^2/NDF: 107.4/85

cor_asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 90.195+/-0.024 χ^2/NDF: 591663.0/16

Left Out: 76.646+/-0.012 χ^2/NDF:654608.7/24

Right Out: 95.591+/-0.024 χ^2/NDF: 1557835.6/20

Left In: 77.348+/-0.013 χ^2/NDF:590414.8/22

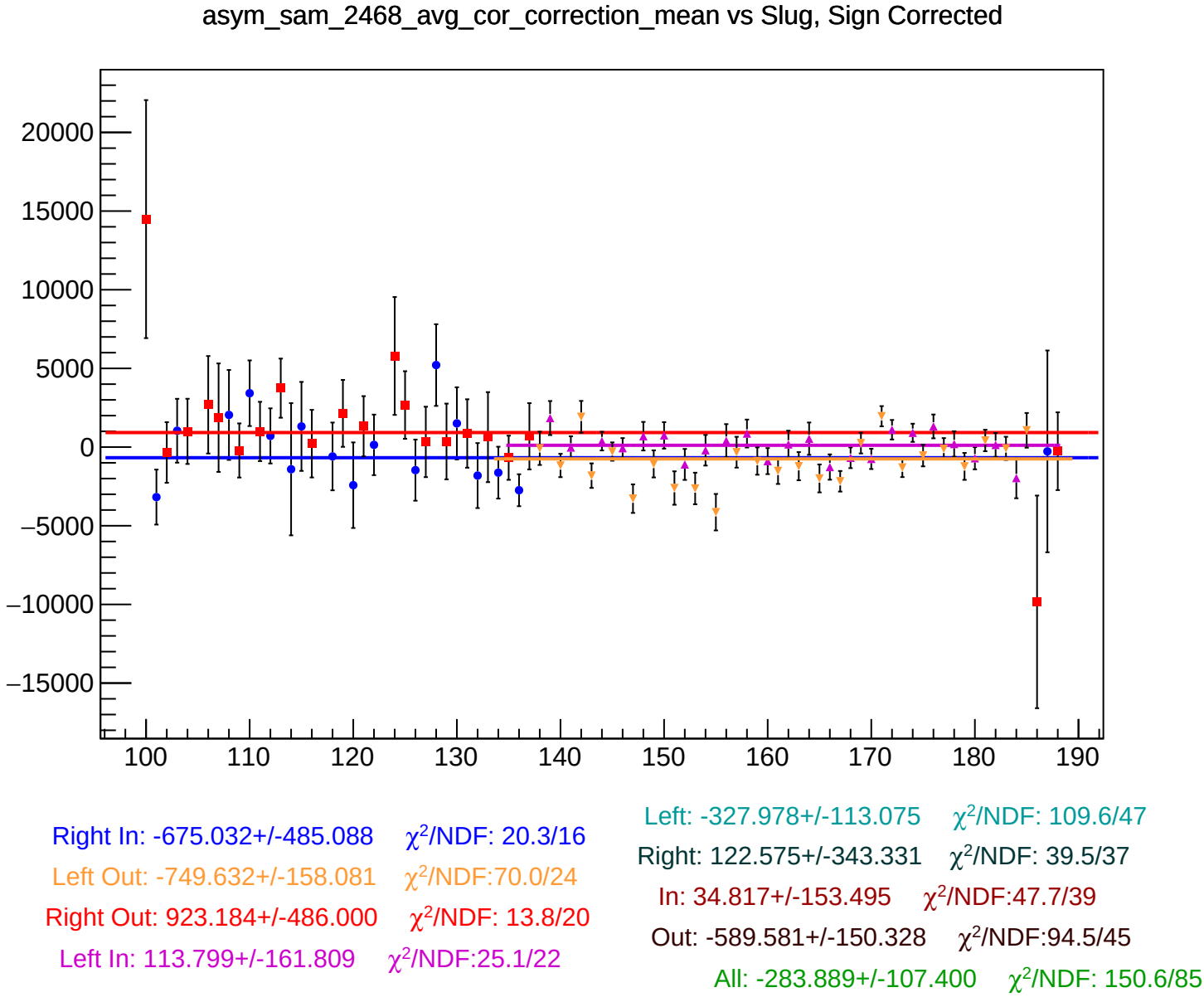
Left: 76.985+/-0.009 χ^2/NDF: 1246545.1/47

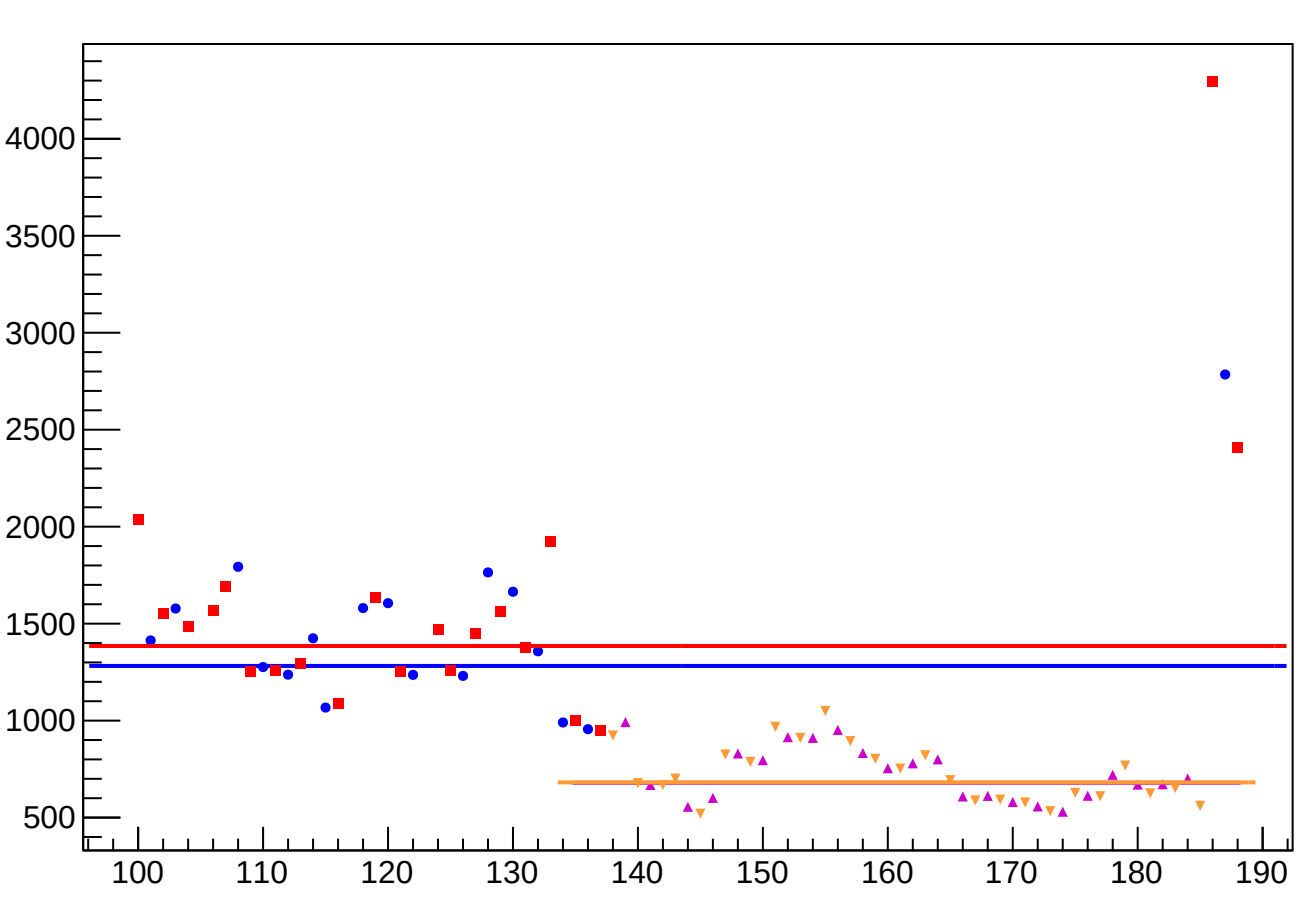
Right: 92.893+/-0.017 χ^2/NDF: 2174426.1/37

In: 80.215+/-0.011 χ^2/NDF:1401608.7/39

Out: 80.640+/-0.011 χ^2/NDF:2697344.0/45

All: 80.434+/-0.008 χ^2/NDF: 4099666.7/85


asym_sam_2468_avg_cor_correction_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
180
190
Right In: -675.032+/-485.088 χ²/NDF: 20.3/16
Left Out: -749.632+/-158.081 χ²/NDF:70.0/24
Right Out: 923.184+/-486.000 χ²/NDF: 13.8/20
Left In: 113.799+/-161.809 χ²/NDF:25.1/22
Left: -327.978+/-113.075 χ²/NDF: 109.6/47
Right: 122.575+/-343.331 χ²/NDF: 39.5/37
In: 34.817+/-153.495 χ²/NDF:47.7/39
Out: -589.581+/-150.328 χ²/NDF:94.5/45
All: -283.889+/-107.400 χ²/NDF: 150.6/85



Right In: 1281.975+/-0.343 χ^2/NDF: 707998.0/16

Left Out: 681.426+/-0.112 χ^2/NDF:1334214.9/24

Right Out: 1384.751+/-0.344 χ^2/NDF: 1198044.8/20

Left In: 679.414+/-0.114 χ^2/NDF:1185265.0/22

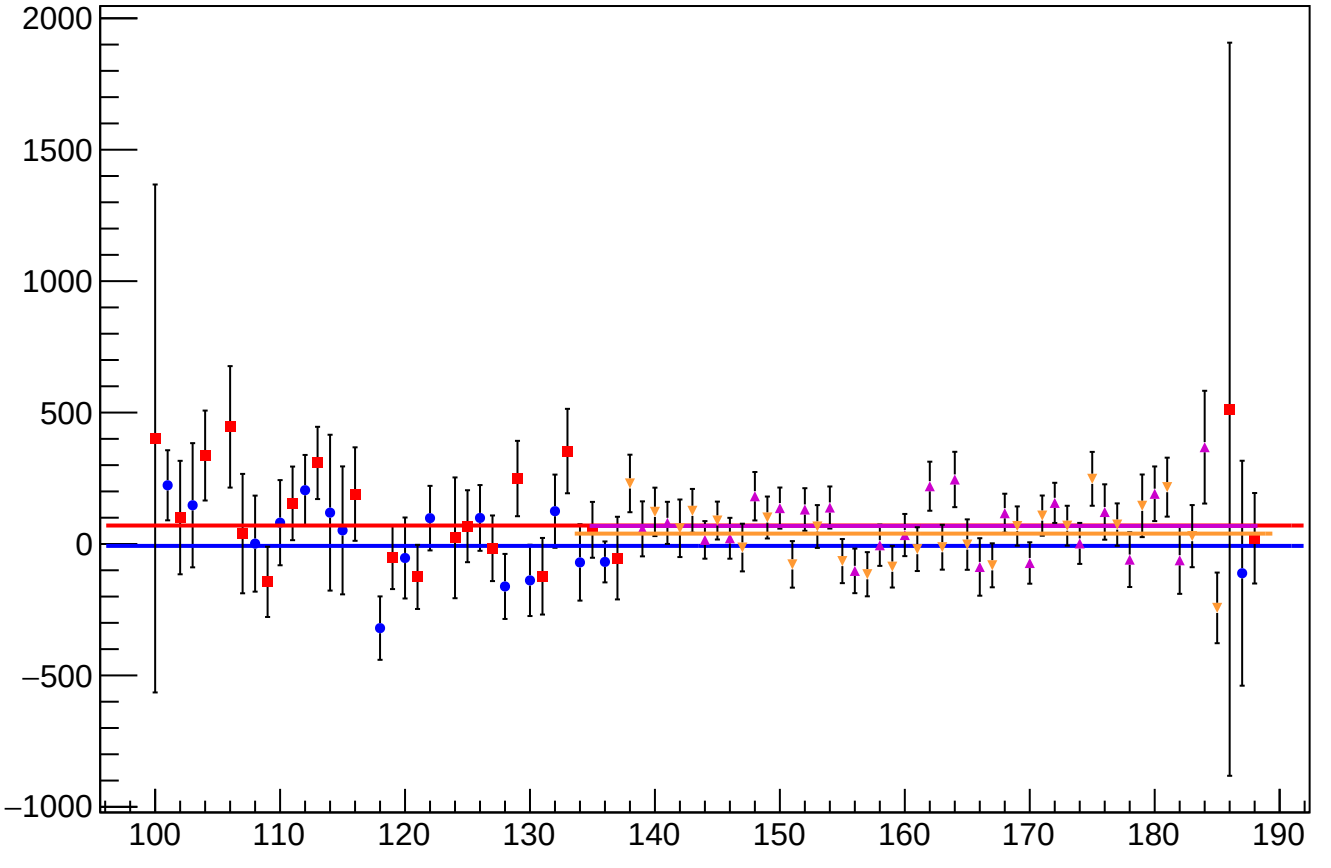
Left: 680.443+/-0.080 χ^2/NDF: 2519638.2/47

Right: 1333.266+/-0.243 χ^2/NDF: 1950847.6/37

In: 739.746+/-0.109 χ^2/NDF:4670247.9/39

Out: 748.719+/-0.106 χ^2/NDF:6320103.4/45

All: 744.326+/-0.076 χ^2/NDF: 10993839.9/85



Right In: -7.236+/-34.177 χ^2/NDF: 19.0/16

Left Out: 39.484+/-17.666 χ^2/NDF:31.9/24

Right Out: 70.268+/-34.180 χ^2/NDF: 22.9/20

Left In: 68.620+/-18.317 χ^2/NDF:29.0/22

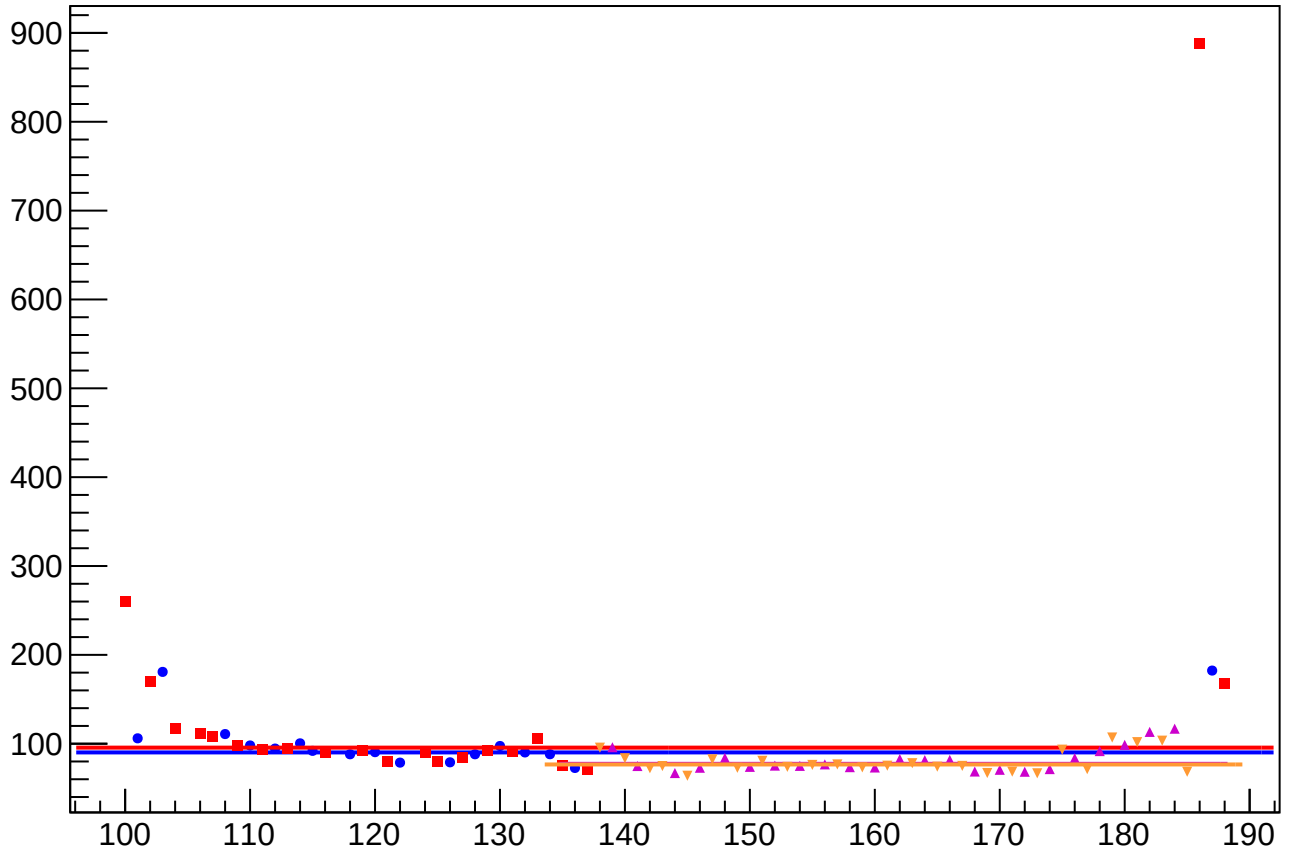
Left: 53.525+/-12.716 χ^2/NDF: 62.3/47

Right: 31.512+/-24.168 χ^2/NDF: 44.5/37

In: 51.693+/-16.145 χ^2/NDF:51.8/39

Out: 45.974+/-15.694 χ^2/NDF:55.5/45

All: 48.753+/-11.253 χ^2/NDF: 107.4/85



Right In: 90.195+/-0.024 χ^2/NDF: 591663.0/16

Left Out: 76.646+/-0.012 χ^2/NDF:654608.7/24

Right Out: 95.591+/-0.024 χ^2/NDF: 1557835.6/20

Left In: 77.348+/-0.013 χ^2/NDF:590414.8/22

Left: 76.985+/-0.009 χ^2/NDF: 1246545.1/47

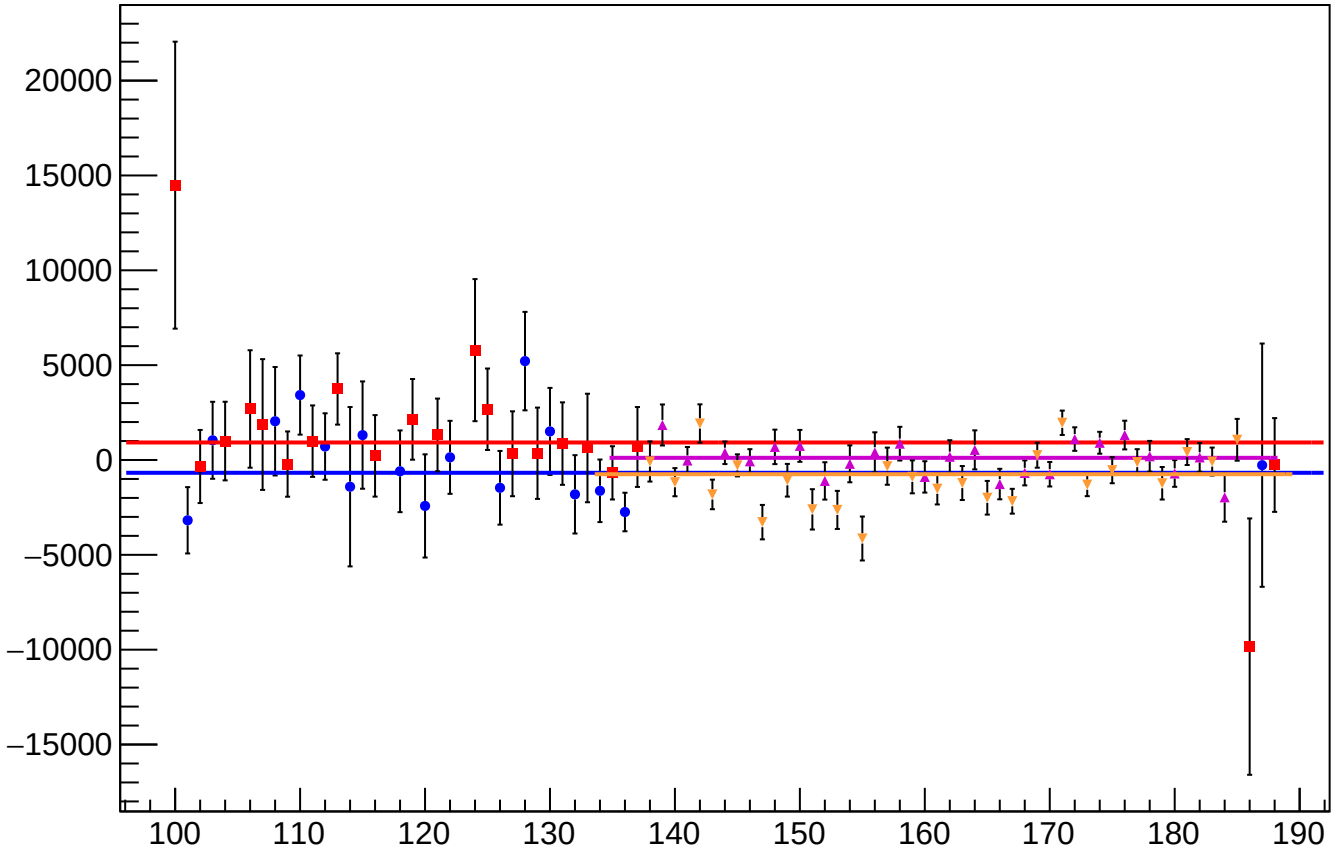
Right: 92.893+/-0.017 χ^2/NDF: 2174426.1/37

In: 80.215+/-0.011 χ^2/NDF:1401608.7/39

Out: 80.640+/-0.011 χ^2/NDF:2697344.0/45

All: 80.434+/-0.008 χ^2/NDF: 4099666.7/85

asym_sam_2468_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -675.032+/-485.088 χ^2/NDF: 20.3/16

Left Out: -749.632+/-158.081 χ^2/NDF:70.0/24

Right Out: 923.184+/-486.000 χ^2/NDF: 13.8/20

Left In: 113.799+/-161.809 χ^2/NDF:25.1/22

Left: -327.978+/-113.075 χ^2/NDF: 109.6/47

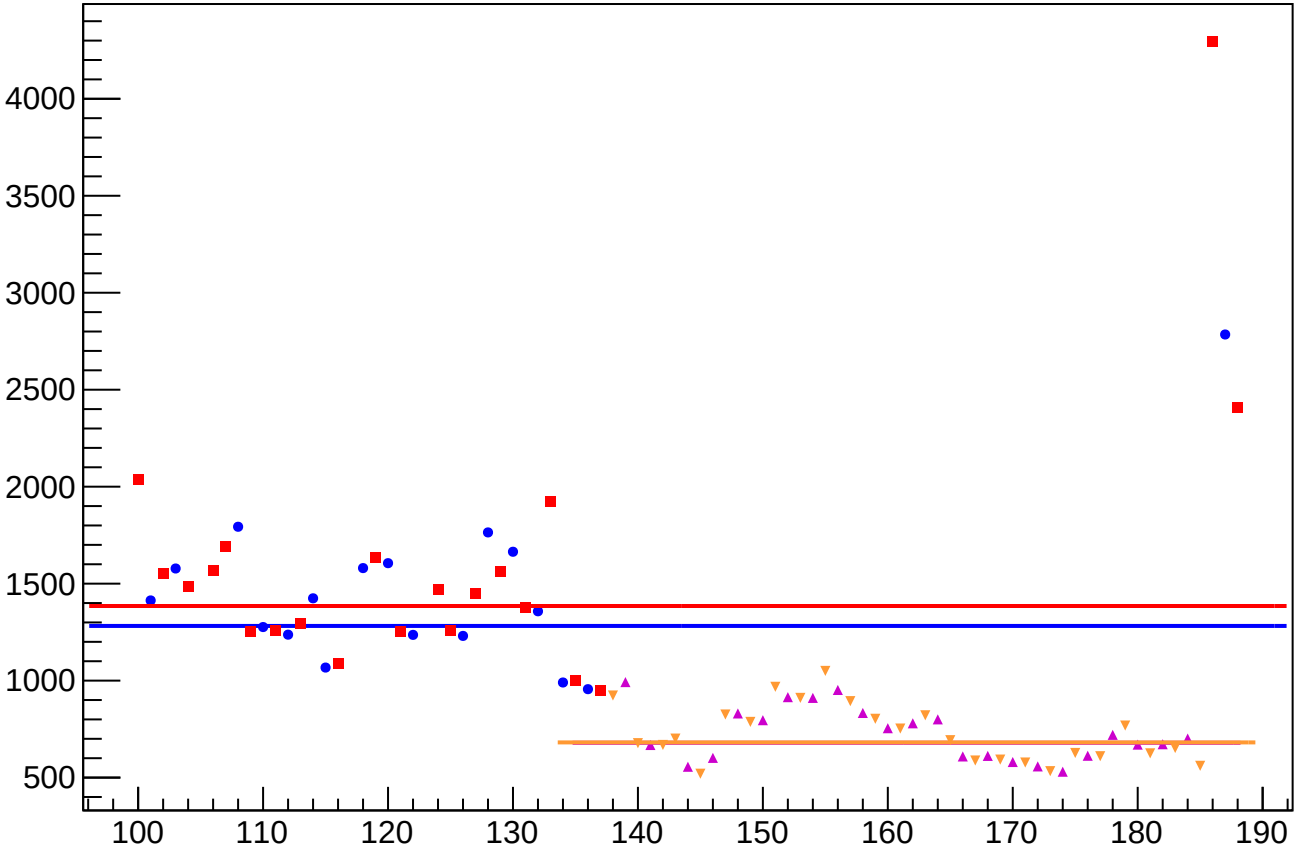
Right: 122.575+/-343.331 χ^2/NDF: 39.5/37

In: 34.817+/-153.495 χ^2/NDF:47.7/39

Out: -589.581+/-150.328 χ^2/NDF:94.5/45

All: -283.889+/-107.400 χ^2/NDF: 150.6/85

asym_sam_2468_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1281.975+/-0.343 χ^2/NDF: 707998.0/16

Left Out: 681.426+/-0.112 χ^2/NDF:1334214.9/24

Right Out: 1384.751+/-0.344 χ^2/NDF: 1198044.8/20

Left In: 679.414+/-0.114 χ^2/NDF:1185265.0/22

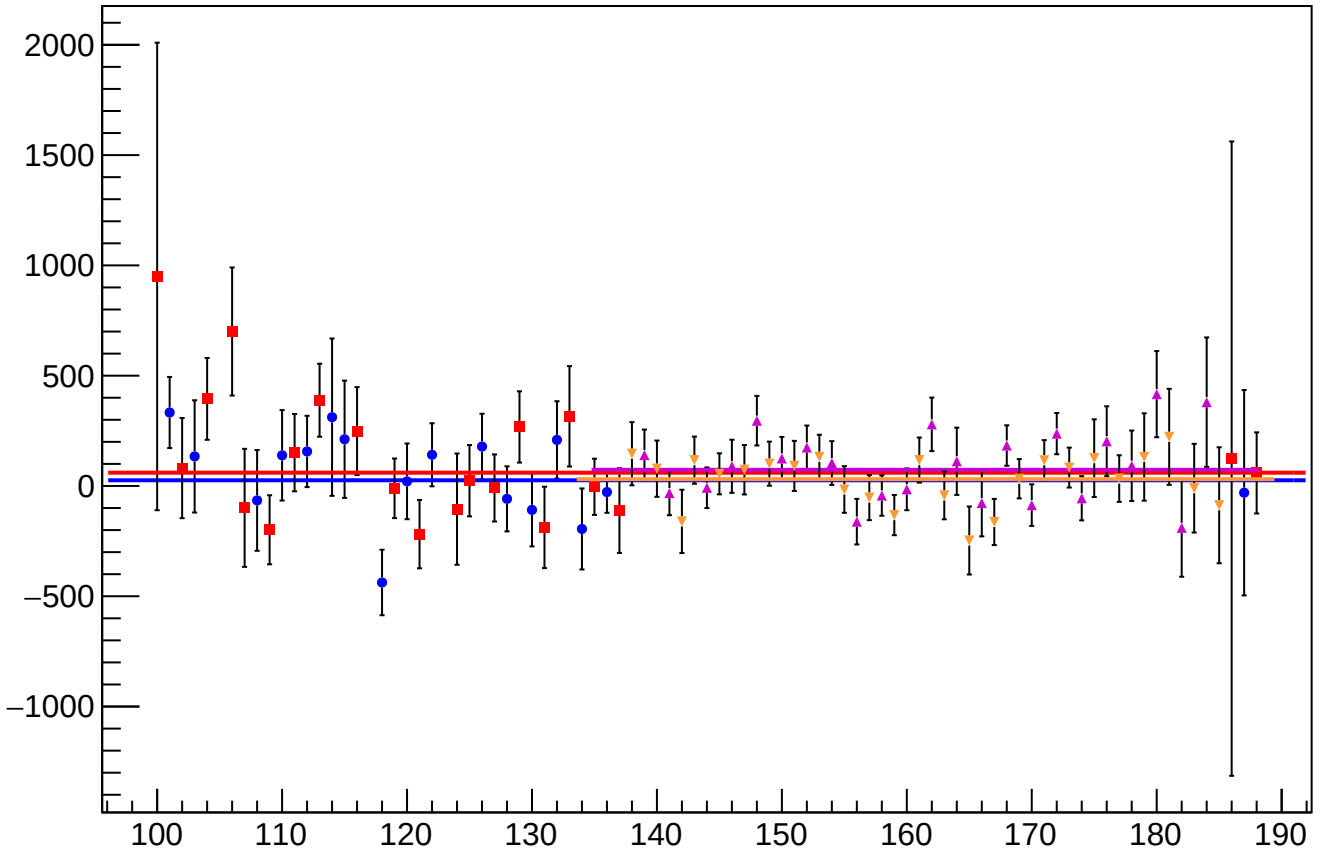
Left: 680.443+/-0.080 χ^2/NDF: 2519638.2/47

Right: 1333.266+/-0.243 χ^2/NDF: 1950847.6/37

In: 739.746+/-0.109 χ^2/NDF:4670247.9/39

Out: 748.719+/-0.106 χ^2/NDF:6320103.4/45

All: 744.326+/-0.076 χ^2/NDF: 10993839.9/85



Right In: 25.809+/-41.059 χ^2/NDF: 21.4/16

Left Out: 30.684+/-22.856 χ^2/NDF:19.9/24

Right Out: 60.124+/-40.492 χ^2/NDF: 27.0/20

Left In: 73.147+/-23.510 χ^2/NDF:34.5/22

Left: 51.316+/-16.388 χ^2/NDF: 56.1/47

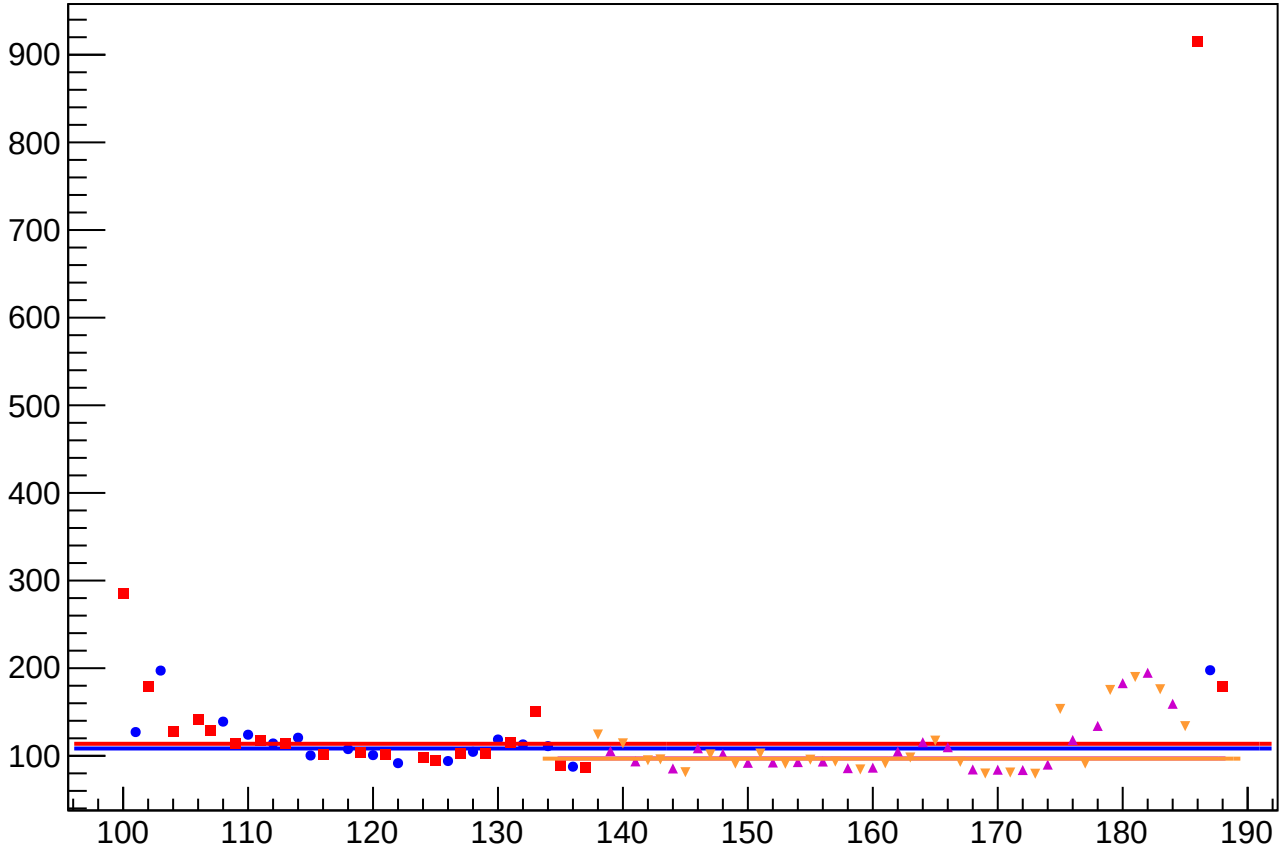
Right: 43.205+/-28.831 χ^2/NDF: 48.7/37

In: 61.459+/-20.402 χ^2/NDF:56.9/39

Out: 37.797+/-19.904 χ^2/NDF:47.3/45

All: 49.335+/-14.247 χ^2/NDF: 104.9/85

dit_asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 108.380+/-0.029 χ^2/NDF: 557307.2/16

Left Out: 96.794+/-0.016 χ^2/NDF:1720415.9/24

Right Out: 113.745+/-0.029 χ^2/NDF: 1384761.7/20

Left In: 97.017+/-0.017 χ^2/NDF:1321187.5/22

Left: 96.902+/-0.012 χ^2/NDF: 3041695.3/47

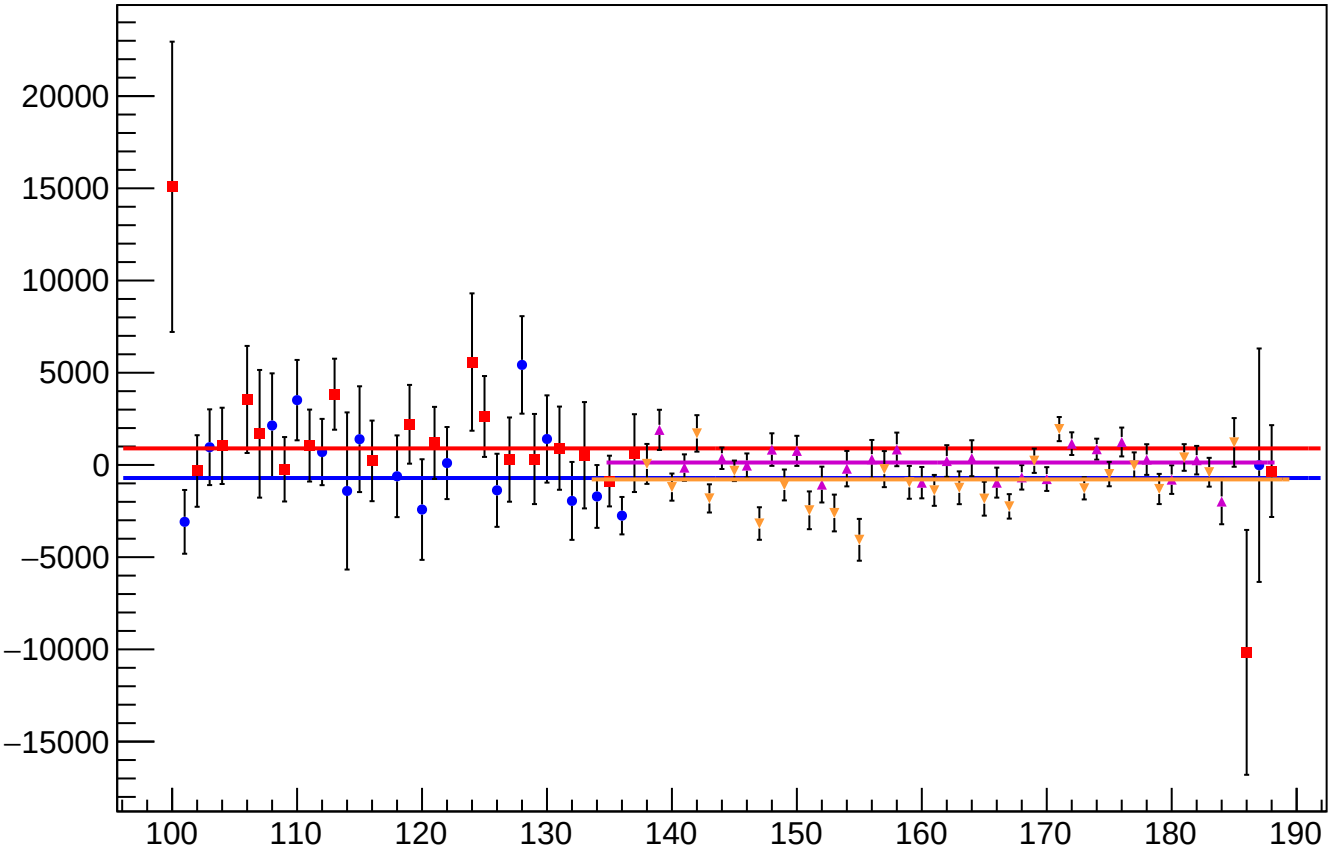
Right: 111.100+/-0.020 χ^2/NDF: 1959382.5/37

In: 99.822+/-0.014 χ^2/NDF:1993855.9/39

Out: 100.890+/-0.014 χ^2/NDF:3370982.6/45

All: 100.369+/-0.010 χ^2/NDF: 5367645.3/85

asym_sam_2468_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -708.669+/-491.762 χ^2/NDF: 20.1/16

Left Out: -783.756+/-158.329 χ^2/NDF:66.3/24

Right Out: 897.621+/-490.166 χ^2/NDF: 14.8/20

Left In: 131.380+/-162.409 χ^2/NDF:24.3/22

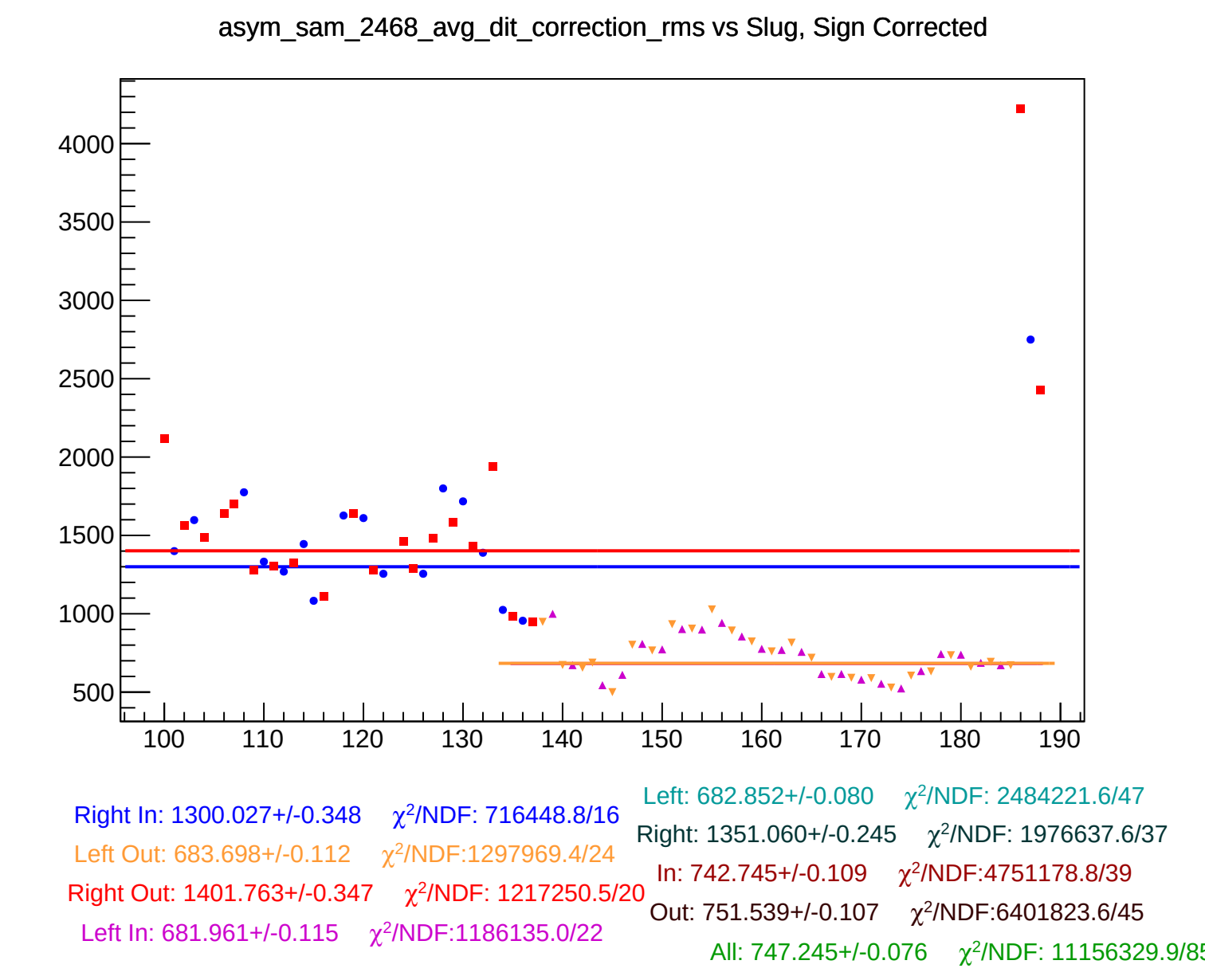
Left: -337.829+/-113.371 χ^2/NDF: 106.9/47

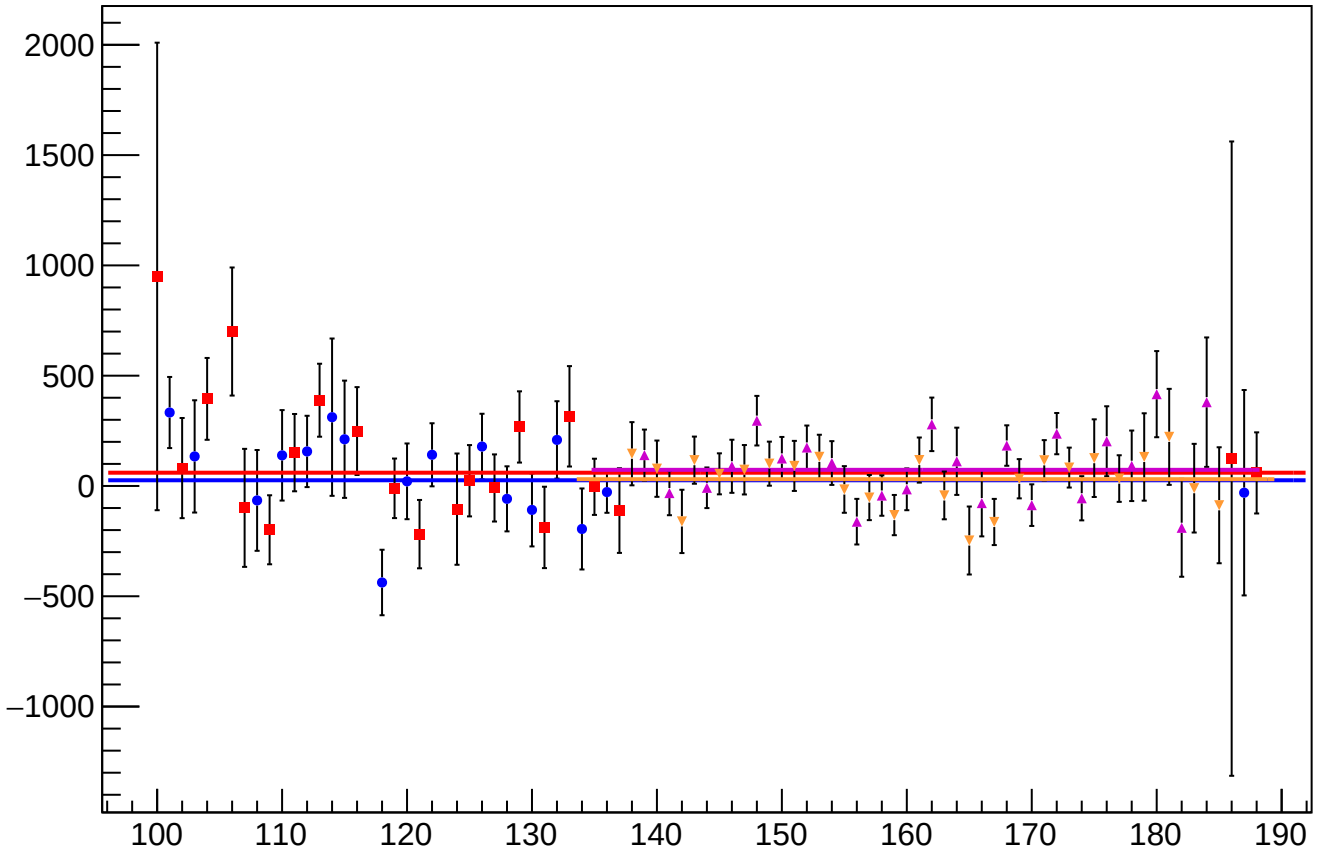
Right: 97.086+/-347.162 χ^2/NDF: 40.3/37

In: 48.765+/-154.217 χ^2/NDF:47.0/39

Out: -624.902+/-150.664 χ^2/NDF:91.8/45

All: -295.918+/-107.770 χ^2/NDF: 148.6/85


asym_sam_2468_avg_dit_correction_rms vs Slug, Sign Corrected
4000
3500
3000
2500
2000
1500
1000
500
100
110
120
130
140
150
160
170
180
190
Right In: 1300.027+/-0.348 χ²/NDF: 716448.8/16
Left Out: 683.698+/-0.112 χ²/NDF:1297969.4/24
Right Out: 1401.763+/-0.347 χ²/NDF: 1217250.5/20
Left In: 681.961+/-0.115 χ²/NDF:1186135.0/22
Left: 682.852+/-0.080 χ²/NDF: 2484221.6/47
Right: 1351.060+/-0.245 χ²/NDF: 1976637.6/37
In: 742.745+/-0.109 χ²/NDF:4751178.8/39
Out: 751.539+/-0.107 χ²/NDF:6401823.6/45
All: 747.245+/-0.076 χ²/NDF: 11156329.9/85



Right In: 25.810+/-41.059 χ^2/NDF: 21.4/16

Left Out: 30.684+/-22.856 χ^2/NDF:19.9/24

Right Out: 60.122+/-40.492 χ^2/NDF: 27.0/20

Left In: 73.146+/-23.510 χ^2/NDF:34.5/22

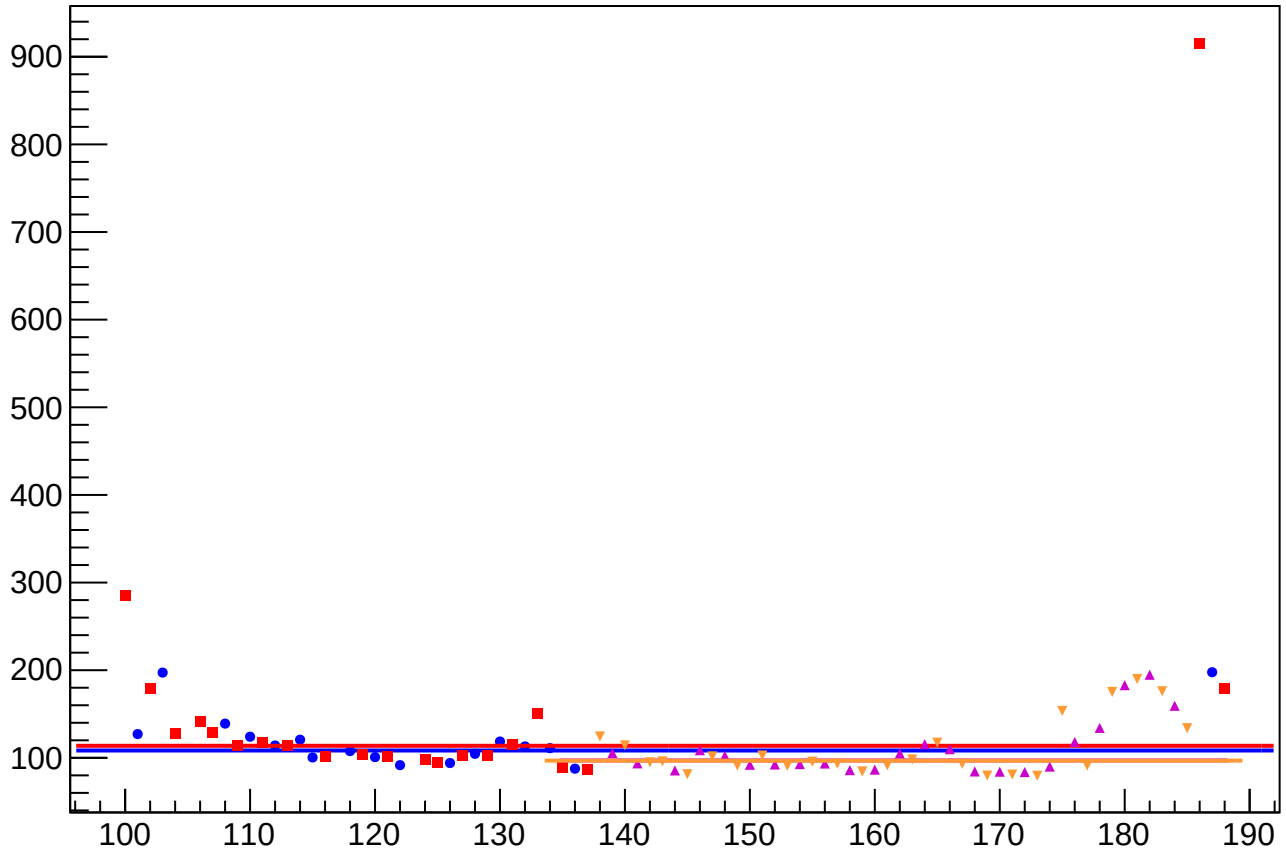
Left: 51.316+/-16.388 χ^2/NDF: 56.1/47

Right: 43.205+/-28.830 χ^2/NDF: 48.7/37

In: 61.458+/-20.402 χ^2/NDF:56.9/39

Out: 37.798+/-19.904 χ^2/NDF:47.3/45

All: 49.335+/-14.247 χ^2/NDF: 104.9/85



Right In: 108.379+/-0.029 χ^2/NDF: 557296.8/16

Left Out: 96.795+/-0.016 χ^2/NDF:1720415.9/24

Right Out: 113.745+/-0.029 χ^2/NDF: 1384766.3/20

Left In: 97.017+/-0.017 χ^2/NDF:1321171.2/22

Left: 96.903+/-0.012 χ^2/NDF: 3041679.0/47

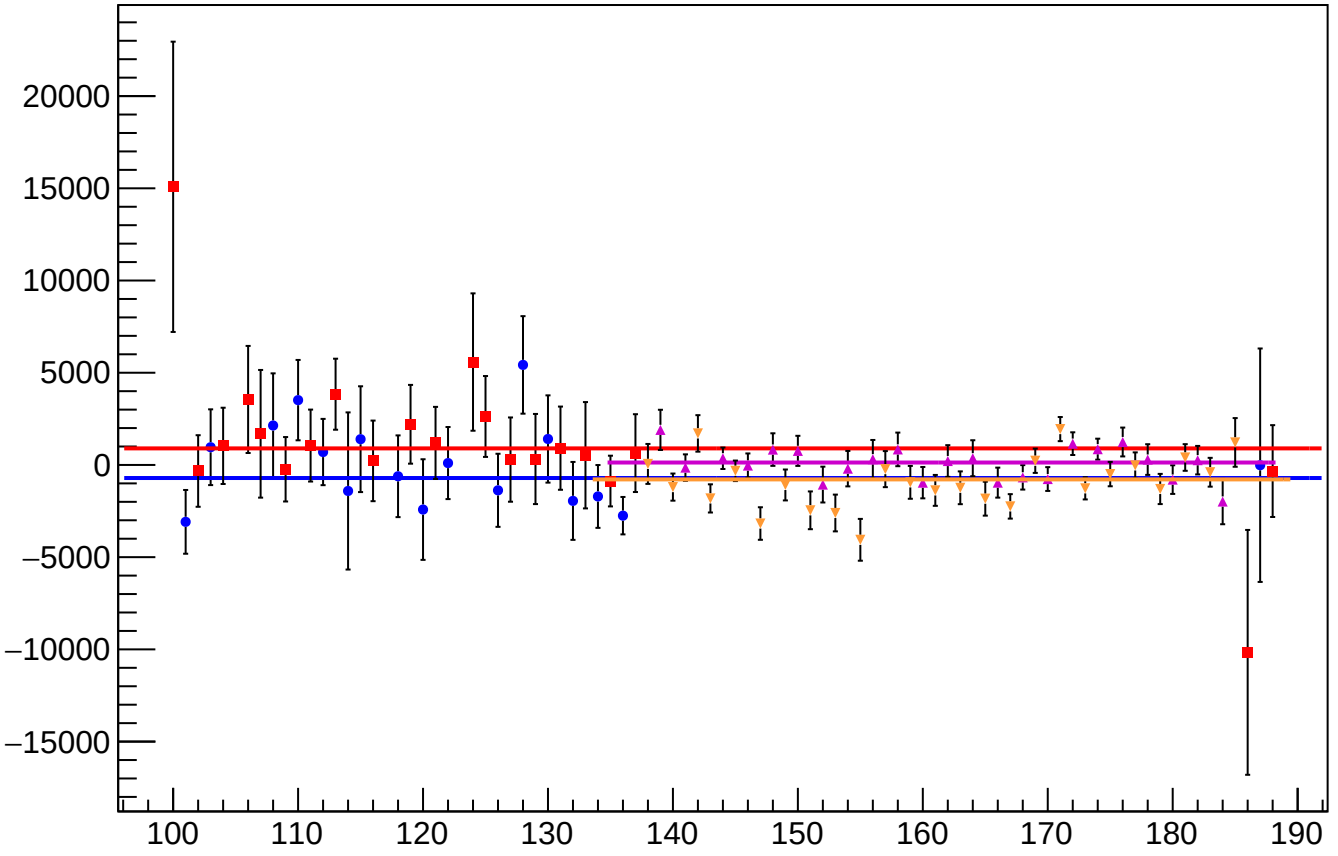
Right: 111.099+/-0.020 χ^2/NDF: 1959377.5/37

In: 99.822+/-0.014 χ^2/NDF:1993808.8/39

Out: 100.890+/-0.014 χ^2/NDF:3370959.7/45

All: 100.370+/-0.010 χ^2/NDF: 5367575.5/85

asym_sam_2468_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -708.663+/-491.760 χ^2/NDF: 20.1/16

Left Out: -783.754+/-158.328 χ^2/NDF:66.3/24

Right Out: 897.620+/-490.165 χ^2/NDF: 14.8/20

Left In: 131.379+/-162.409 χ^2/NDF:24.3/22

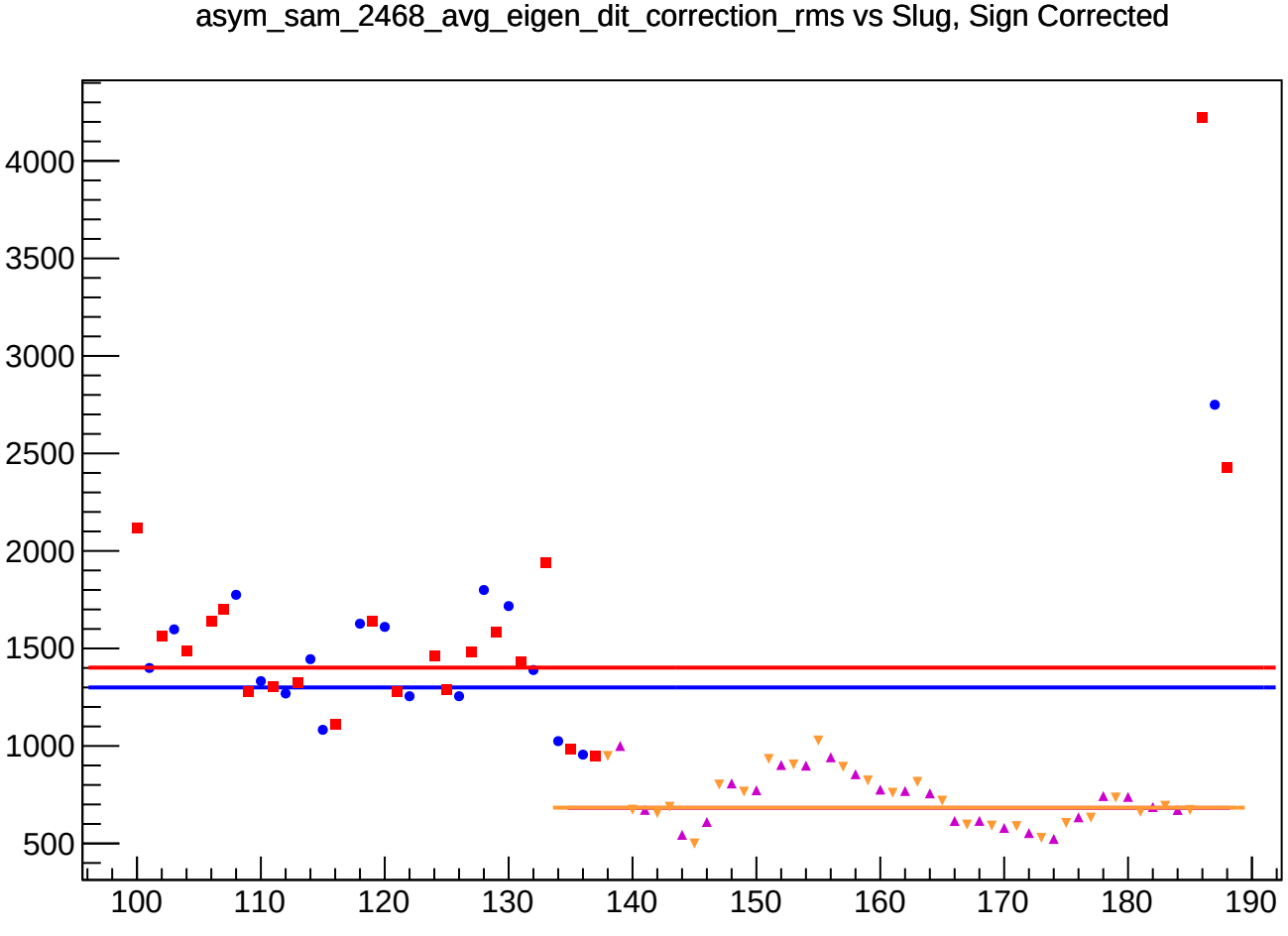
Left: -337.829+/-113.370 χ^2/NDF: 106.9/47

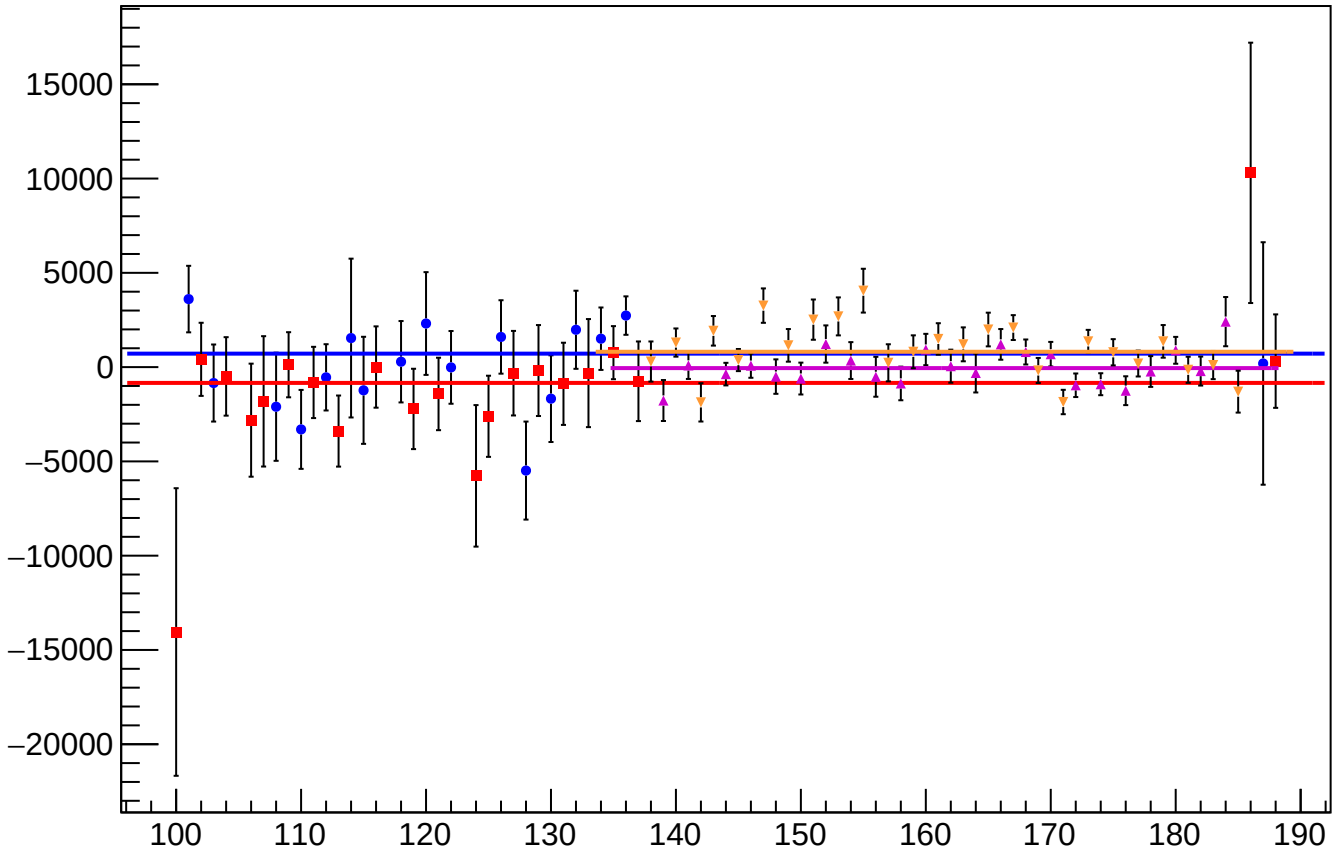
Right: 97.089+/-347.162 χ^2/NDF: 40.3/37

In: 48.765+/-154.216 χ^2/NDF:47.0/39

Out: -624.901+/-150.664 χ^2/NDF:91.8/45

All: -295.917+/-107.769 χ^2/NDF: 148.6/85


asym_sam_2468_avg_eigen_dit_correction_rms vs Slug, Sign Corrected
4000
3500
3000
2500
2000
1500
1000
500
100
110
120
130
140
150
160
170
180
190
Right In: 1300.024+/-0.348 χ²/NDF: 716446.4/16
Left Out: 683.696+/-0.112 χ²/NDF:1297975.5/24
Right Out: 1401.760+/-0.347 χ²/NDF: 1217251.0/20
Left In: 681.960+/-0.115 χ²/NDF:1186136.6/22
Left: 682.850+/-0.080 χ²/NDF: 2484229.4/47
Right: 1351.057+/-0.245 χ²/NDF: 1976635.6/37
In: 742.744+/-0.109 χ²/NDF:4751178.3/39
Out: 751.538+/-0.107 χ²/NDF:6401829.3/45
All: 747.243+/-0.076 χ²/NDF: 11156335.1/85



Right In: 714.610+/-486.837 χ^2/NDF: 21.0/16

Left Out: 814.067+/-159.256 χ^2/NDF:65.8/24

Right Out: -837.654+/-487.073 χ^2/NDF: 13.5/20

Left In: -52.290+/-163.036 χ^2/NDF:25.4/22

Left: 391.048+/-113.924 χ^2/NDF: 105.6/47

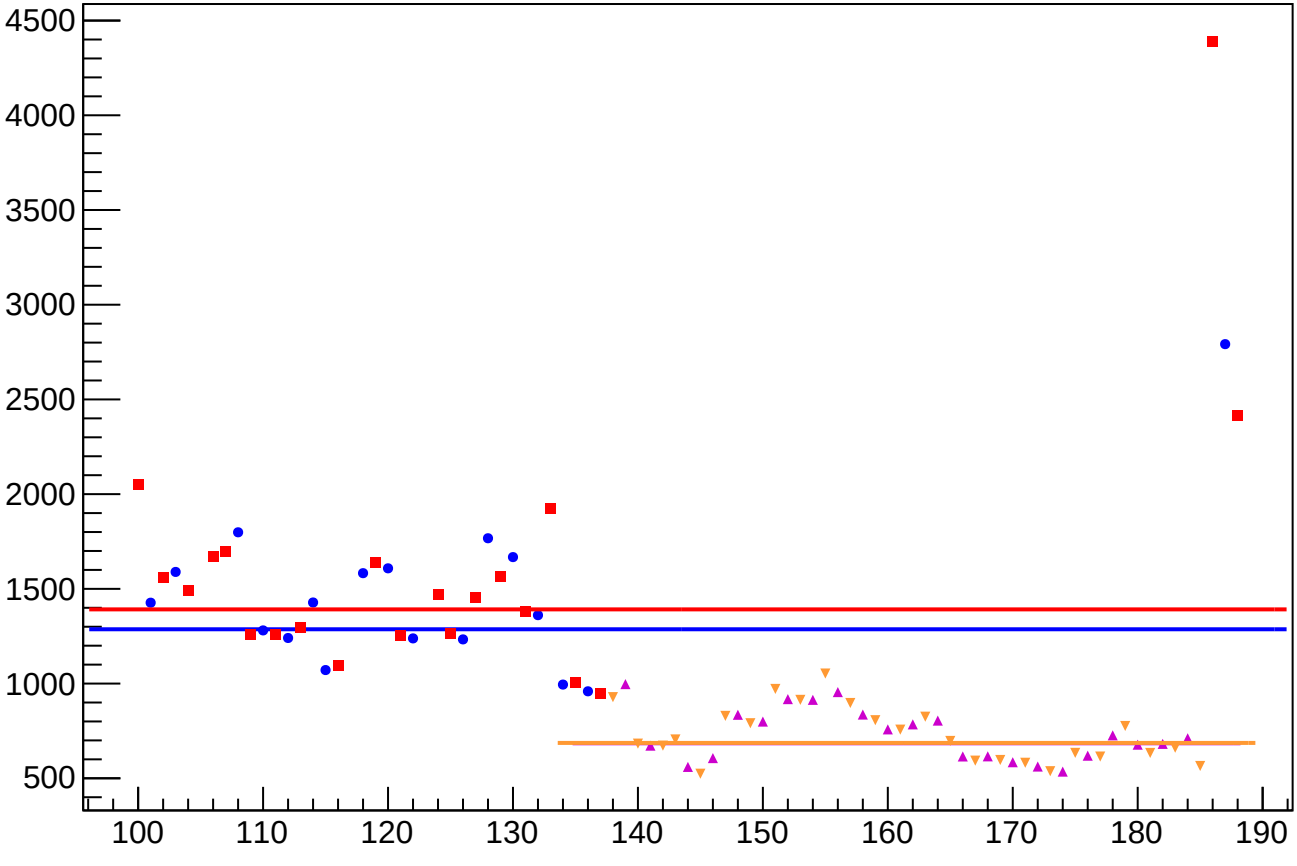
Right: -61.147+/-344.329 χ^2/NDF: 39.5/37

In: 25.045+/-154.597 χ^2/NDF:48.6/39

Out: 654.542+/-151.370 χ^2/NDF:89.6/45

All: 346.431+/-108.158 χ^2/NDF: 146.7/85

asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 1286.658+/-0.344 χ^2/NDF: 707905.4/16

Left Out: 686.700+/-0.113 χ^2/NDF:1312231.8/24

Right Out: 1391.663+/-0.344 χ^2/NDF: 1215315.0/20

Left In: 684.763+/-0.115 χ^2/NDF:1165205.5/22

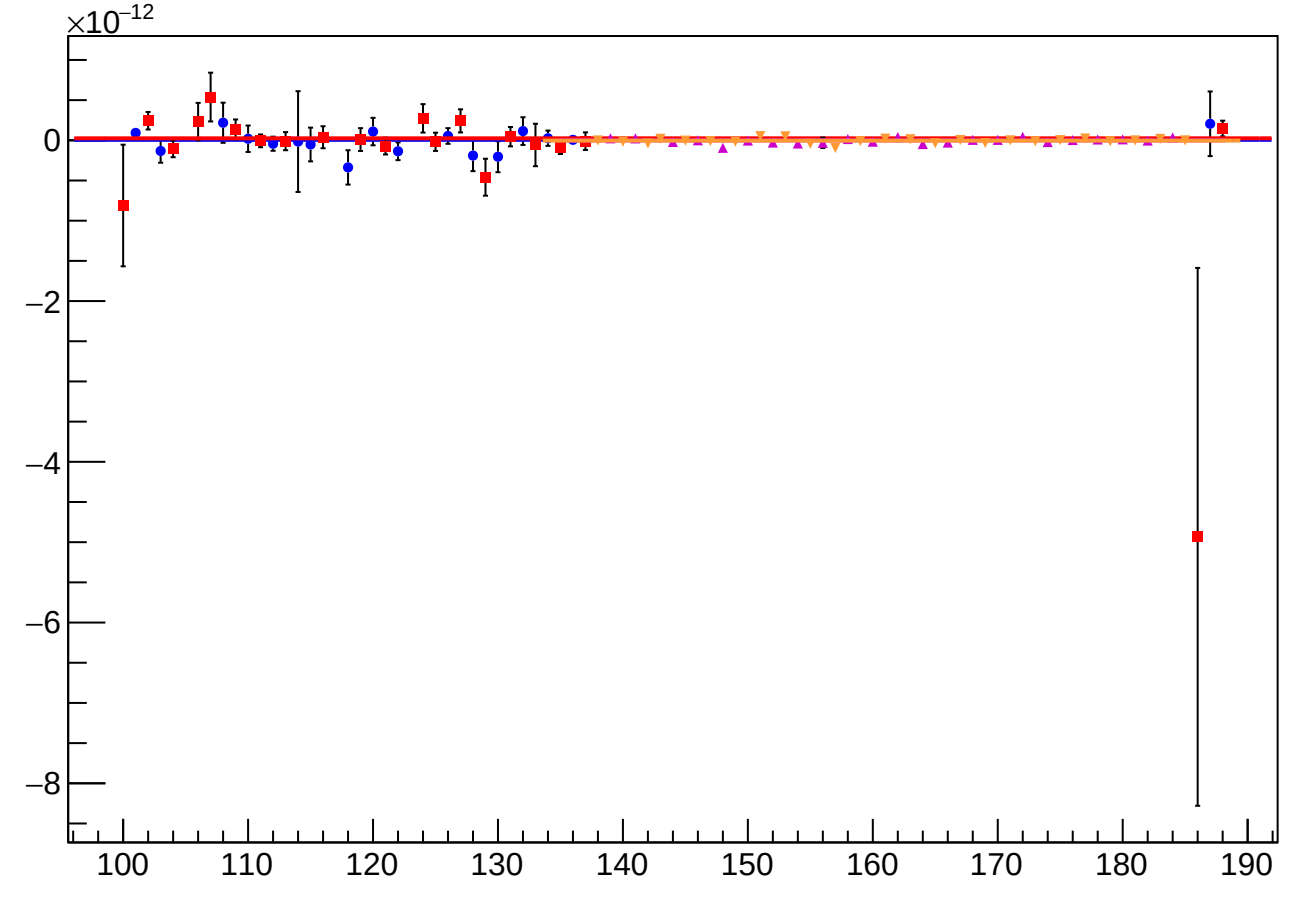
Left: 685.754+/-0.081 χ^2/NDF: 2477581.6/47

Right: 1339.135+/-0.243 χ^2/NDF: 1969719.6/37

In: 745.459+/-0.109 χ^2/NDF:4621891.0/39

Out: 754.786+/-0.107 χ^2/NDF:6312534.1/45

All: 750.221+/-0.076 χ^2/NDF: 10938142.1/85



Right In: 0.000+/-0.000 χ^2/NDF: 11.9/16

Left Out: -0.000+/-0.000 χ^2/NDF:16.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 27.6/20

Left In: -0.000+/-0.000 χ^2/NDF:20.5/22

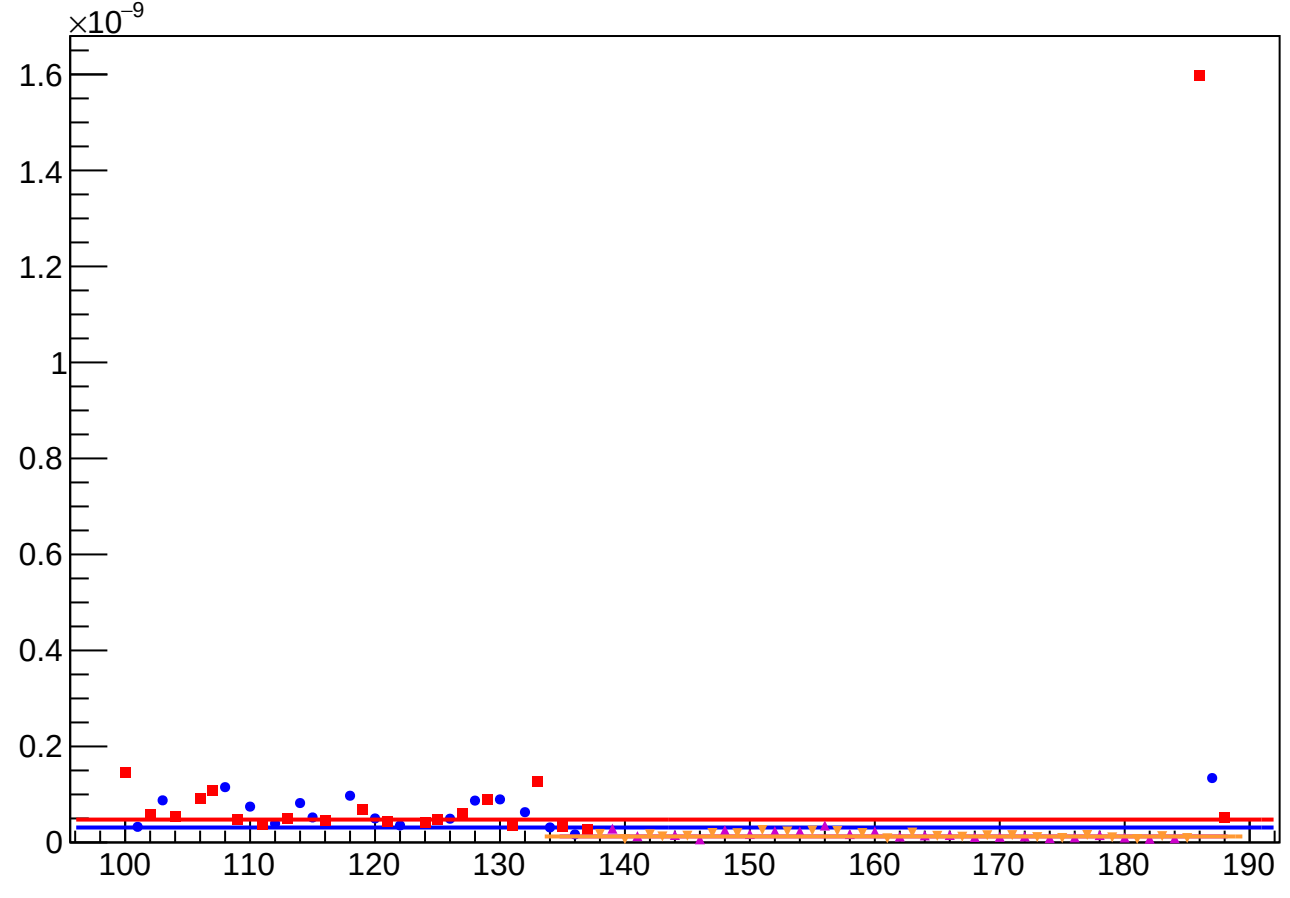
Left: -0.000+/-0.000 χ^2/NDF: 37.1/47

Right: 0.000+/-0.000 χ^2/NDF: 39.8/37

In: 0.000+/-0.000 χ^2/NDF:32.4/39

Out: -0.000+/-0.000 χ^2/NDF:45.2/45

All: -0.000+/-0.000 χ^2/NDF: 77.7/85



Right In: 0.000+/-0.000 χ^2/NDF: 2044390.7/16

Left Out: 0.000+/-0.000 χ^2/NDF:1742020.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 1155304.9/20

Left In: 0.000+/-0.000 χ^2/NDF:1961578.1/22

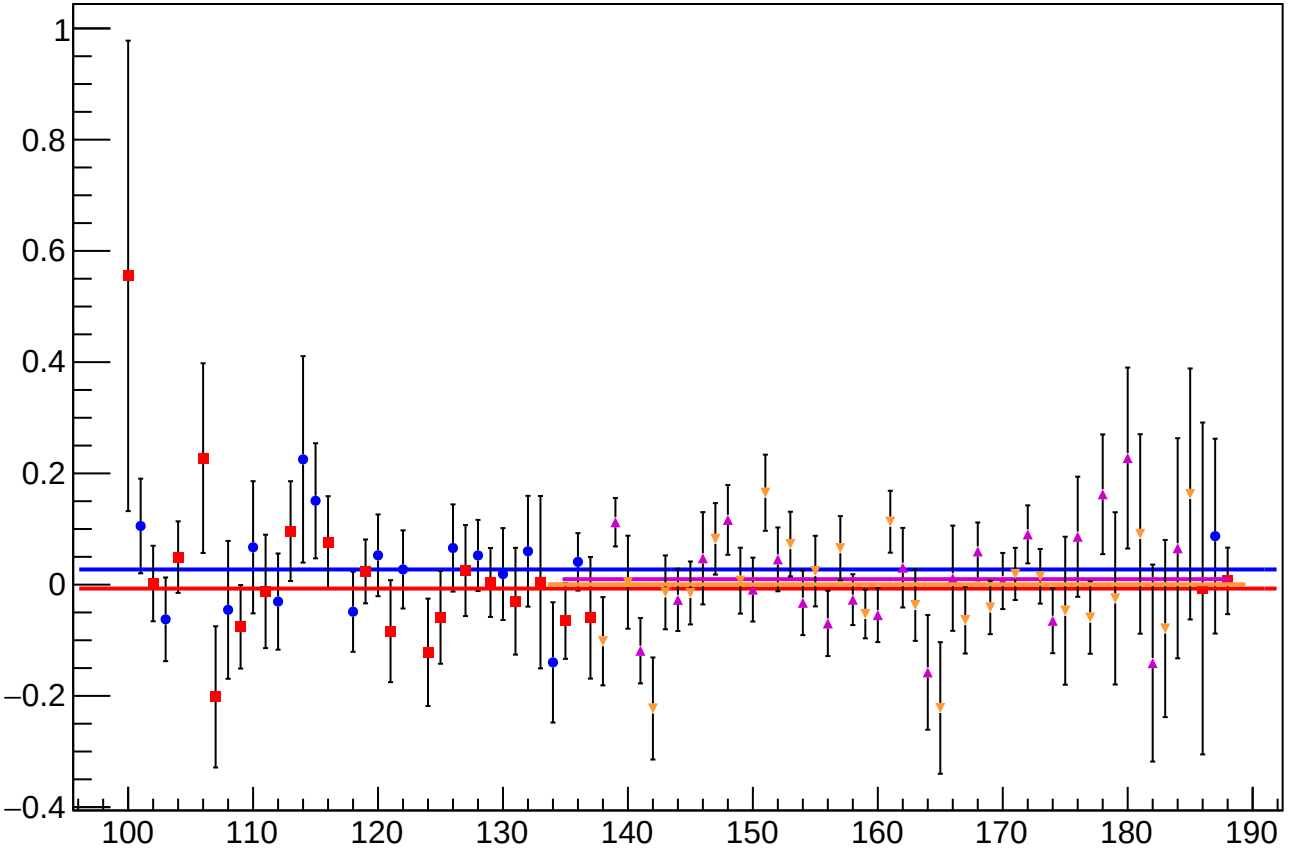
Left: 0.000+/-0.000 χ^2/NDF: 3704338.4/47

Right: 0.000+/-0.000 χ^2/NDF: 3647698.7/37

In: 0.000+/-0.000 χ^2/NDF:5395858.7/39

Out: 0.000+/-0.000 χ^2/NDF:6063617.8/45

All: 0.000+/-0.000 χ^2/NDF: 11459497.3/85



Right In: 0.027+/-0.020 χ^2/NDF: 10.1/16

Left Out: 0.001+/-0.013 χ^2/NDF:31.7/24

Right Out: -0.007+/-0.018 χ^2/NDF: 14.0/20

Left In: 0.010+/-0.013 χ^2/NDF:31.9/22

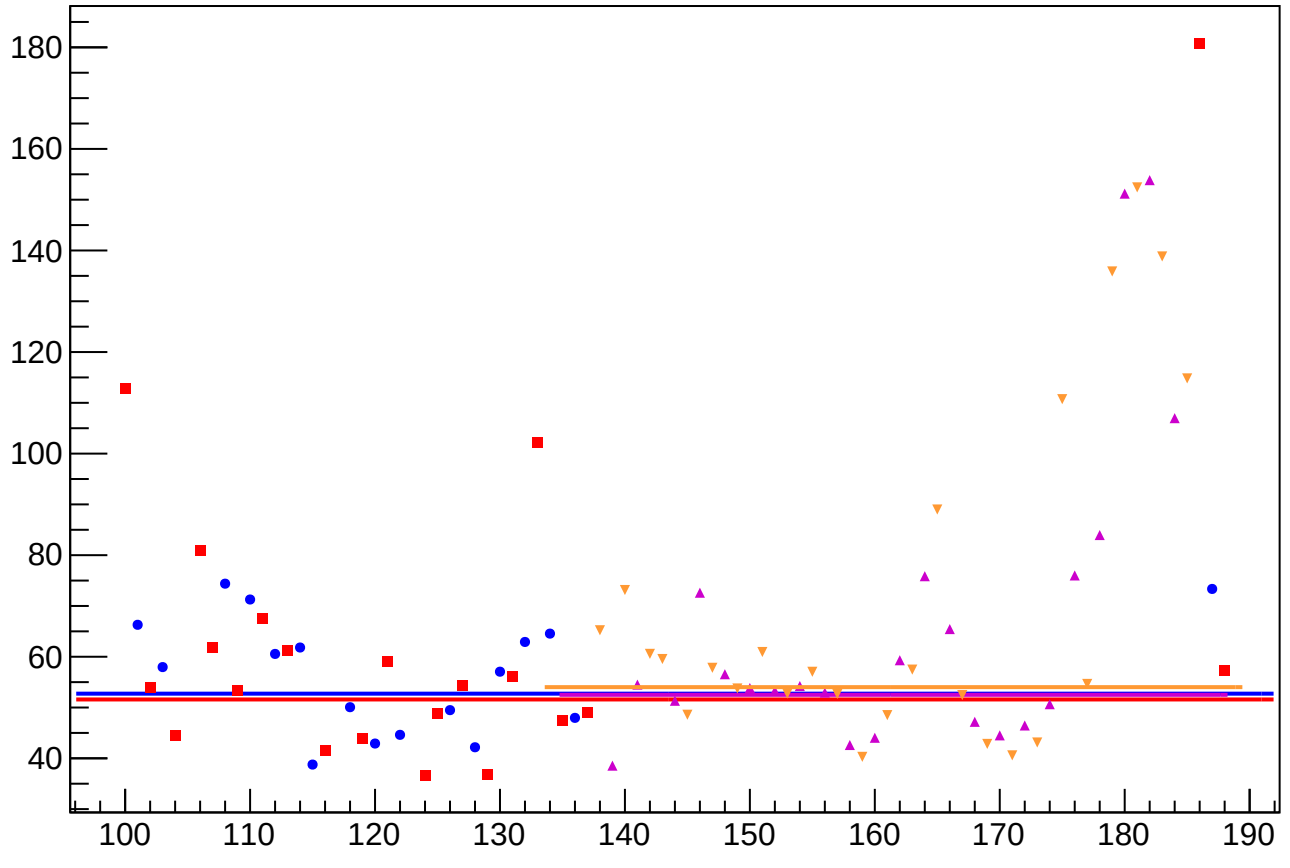
Left: 0.005+/-0.009 χ^2/NDF: 63.8/47

Right: 0.009+/-0.014 χ^2/NDF: 25.6/37

In: 0.015+/-0.011 χ^2/NDF:42.5/39

Out: -0.002+/-0.011 χ^2/NDF:45.8/45

All: 0.006+/-0.008 χ^2/NDF: 89.5/85



Right In: 52.730+/-0.014 χ^2/NDF: 446116.2/16

Left Out: 54.014+/-0.009 χ^2/NDF:3227550.5/24

Right Out: 51.588+/-0.013 χ^2/NDF: 1077308.6/20

Left In: 52.502+/-0.009 χ^2/NDF:2557763.5/22

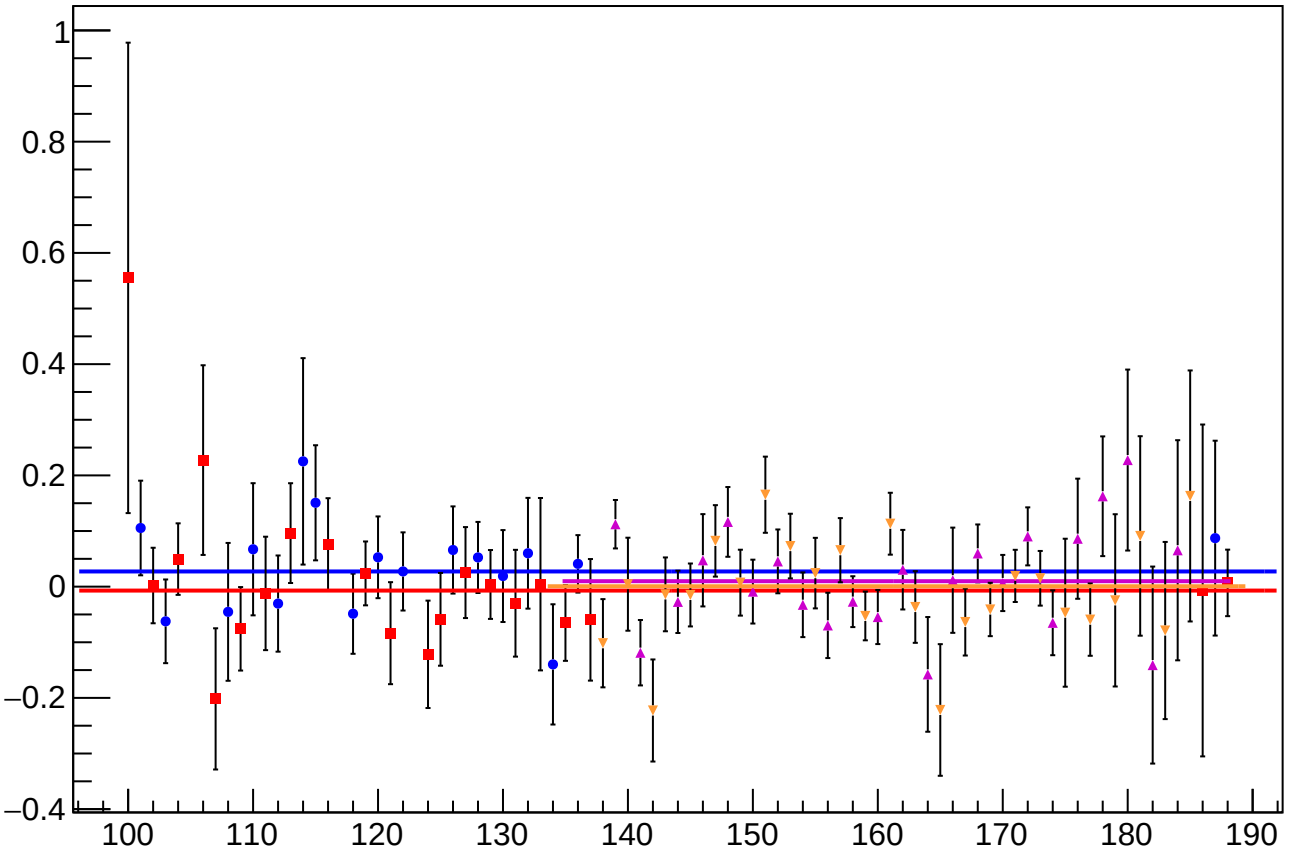
Left: 53.257+/-0.007 χ^2/NDF: 5798378.9/47

Right: 52.107+/-0.010 χ^2/NDF: 1526897.6/37

In: 52.570+/-0.008 χ^2/NDF:3004058.2/39

Out: 53.191+/-0.008 χ^2/NDF:4327639.1/45

All: 52.890+/-0.005 χ^2/NDF: 7334935.3/85



Right In: 0.027+/-0.020 χ^2/NDF: 10.1/16

Left Out: 0.001+/-0.013 χ^2/NDF:31.7/24

Right Out: -0.007+/-0.018 χ^2/NDF: 14.0/20

Left In: 0.010+/-0.013 χ^2/NDF:31.9/22

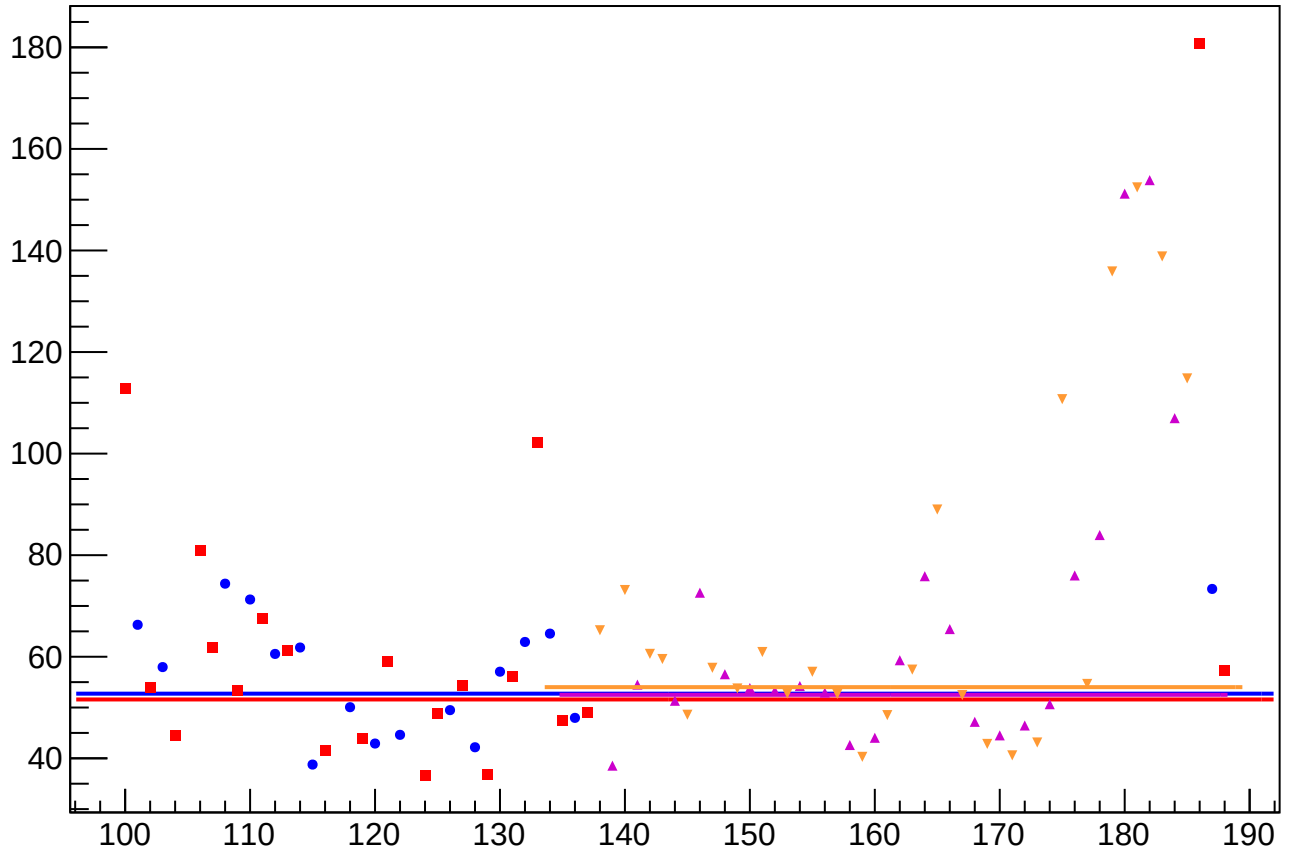
Left: 0.005+/-0.009 χ^2/NDF: 63.8/47

Right: 0.009+/-0.014 χ^2/NDF: 25.6/37

In: 0.015+/-0.011 χ^2/NDF:42.5/39

Out: -0.002+/-0.011 χ^2/NDF:45.8/45

All: 0.006+/-0.008 χ^2/NDF: 89.5/85



Right In: 52.730+/-0.014 χ^2/NDF: 446116.2/16

Left Out: 54.014+/-0.009 χ^2/NDF:3227550.5/24

Right Out: 51.588+/-0.013 χ^2/NDF: 1077308.6/20

Left In: 52.502+/-0.009 χ^2/NDF:2557763.5/22

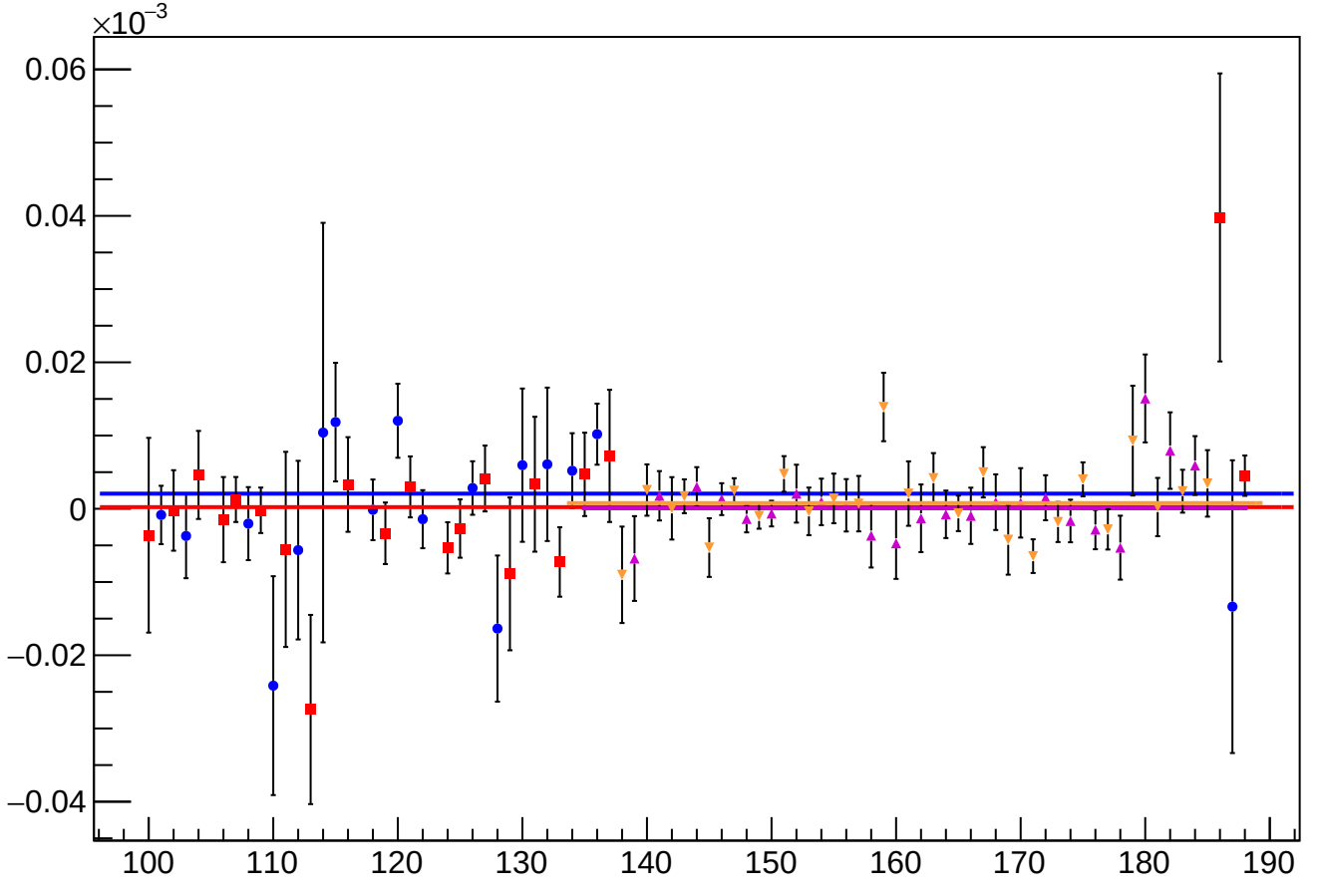
Left: 53.257+/-0.007 χ^2/NDF: 5798378.9/47

Right: 52.107+/-0.010 χ^2/NDF: 1526897.6/37

In: 52.570+/-0.008 χ^2/NDF:3004058.2/39

Out: 53.191+/-0.008 χ^2/NDF:4327639.1/45

All: 52.890+/-0.005 χ^2/NDF: 7334935.3/85



Right In: 0.000+/-0.000 χ^2/NDF: 20.7/16

Left Out: 0.000+/-0.000 χ^2/NDF:38.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 21.9/20

Left In: 0.000+/-0.000 χ^2/NDF:20.2/22

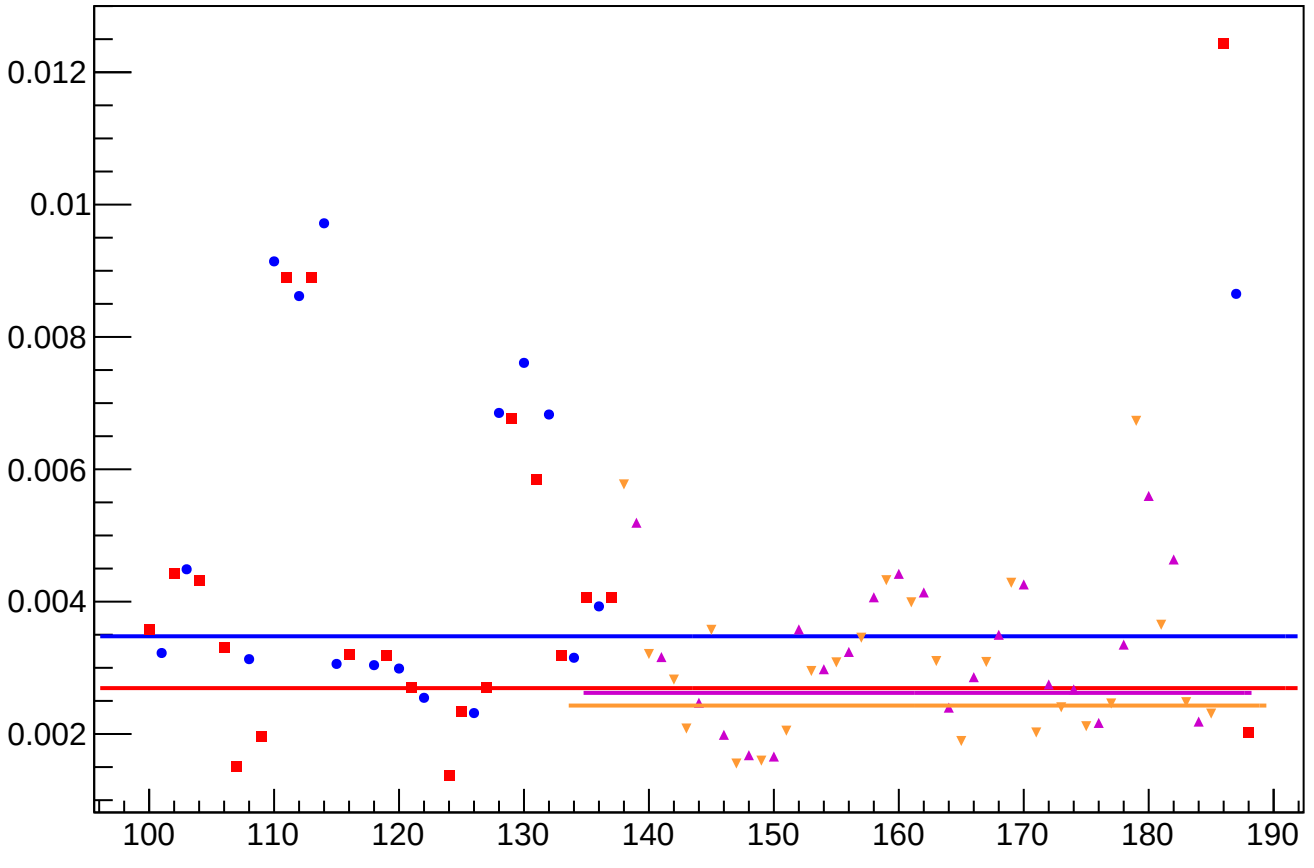
Left: 0.000+/-0.000 χ^2/NDF: 58.9/47

Right: 0.000+/-0.000 χ^2/NDF: 43.7/37

In: 0.000+/-0.000 χ^2/NDF:42.6/39

Out: 0.000+/-0.000 χ^2/NDF:60.2/45

All: 0.000+/-0.000 χ^2/NDF: 102.8/85



Right In: 0.003+/-0.000 χ^2/NDF: 2085777.1/16

Left Out: 0.002+/-0.000 χ^2/NDF:4218362.5/24

Right Out: 0.003+/-0.000 χ^2/NDF: 3352356.4/20

Left In: 0.003+/-0.000 χ^2/NDF:3955310.5/22

Left: 0.003+/-0.000 χ^2/NDF: 8267035.6/47

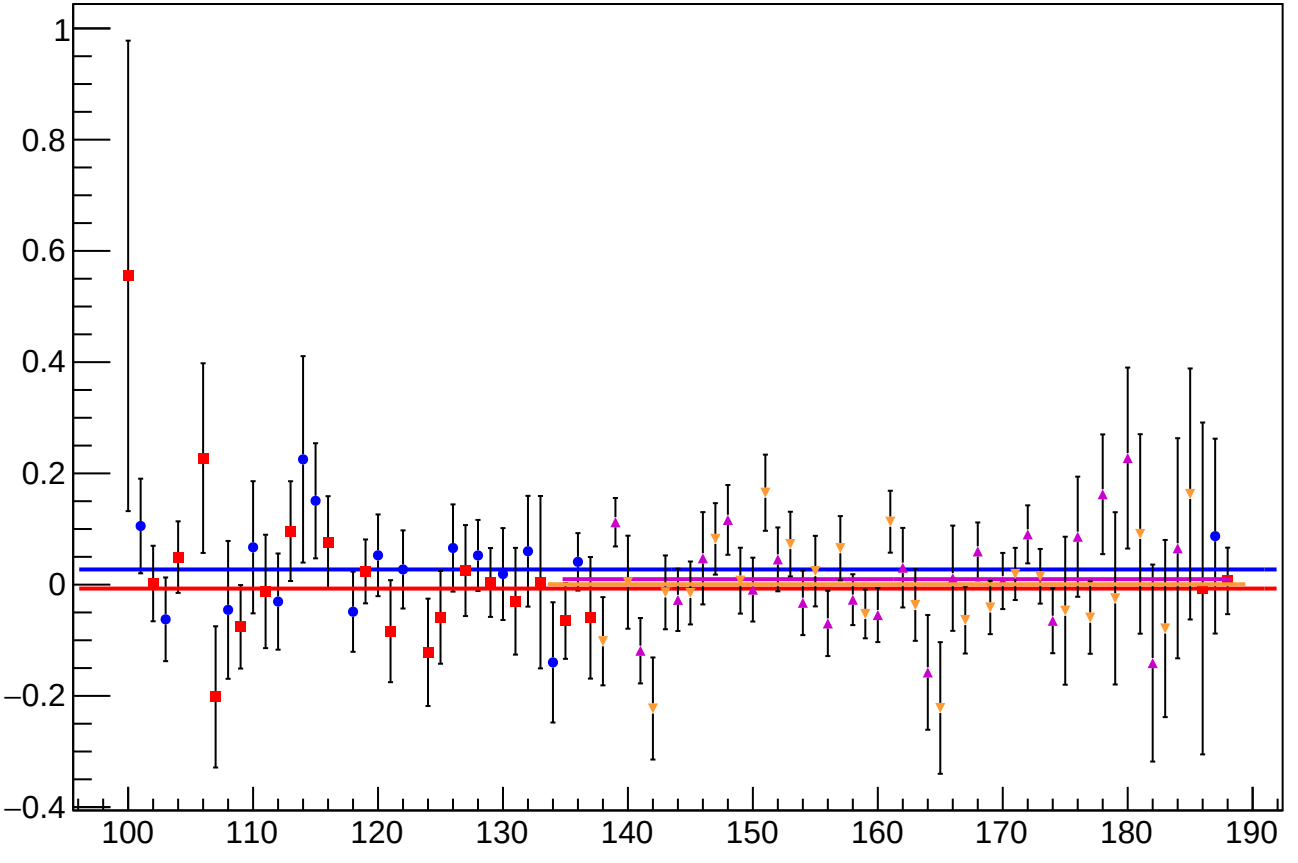
Right: 0.003+/-0.000 χ^2/NDF: 5842942.3/37

In: 0.003+/-0.000 χ^2/NDF:6664333.2/39

Out: 0.002+/-0.000 χ^2/NDF:7665315.3/45

All: 0.003+/-0.000 χ^2/NDF: 14596487.4/85

asym_sam_2468_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.027+/-0.020 χ^2/NDF: 10.1/16

Left Out: 0.001+/-0.013 χ^2/NDF:31.7/24

Right Out: -0.007+/-0.018 χ^2/NDF: 14.0/20

Left In: 0.010+/-0.013 χ^2/NDF:31.9/22

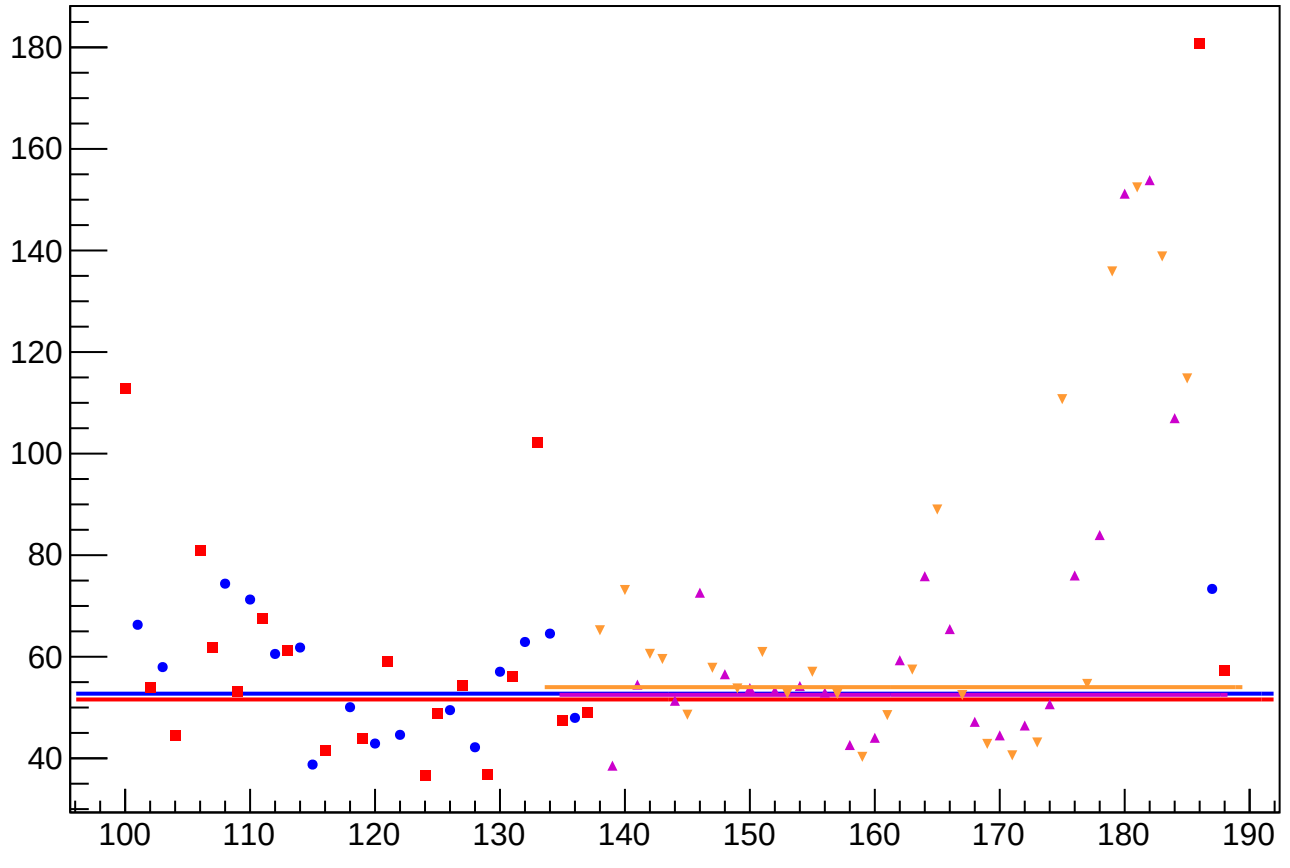
Left: 0.005+/-0.009 χ^2/NDF: 63.8/47

Right: 0.009+/-0.014 χ^2/NDF: 25.6/37

In: 0.015+/-0.011 χ^2/NDF:42.5/39

Out: -0.002+/-0.011 χ^2/NDF:45.8/45

All: 0.006+/-0.008 χ^2/NDF: 89.5/85



Right In: 52.729+/-0.014 χ^2/NDF: 446081.0/16

Left Out: 54.014+/-0.009 χ^2/NDF:3227569.4/24

Right Out: 51.587+/-0.013 χ^2/NDF: 1077336.3/20

Left In: 52.502+/-0.009 χ^2/NDF:2557805.6/22

Left: 53.257+/-0.007 χ^2/NDF: 5798440.6/47

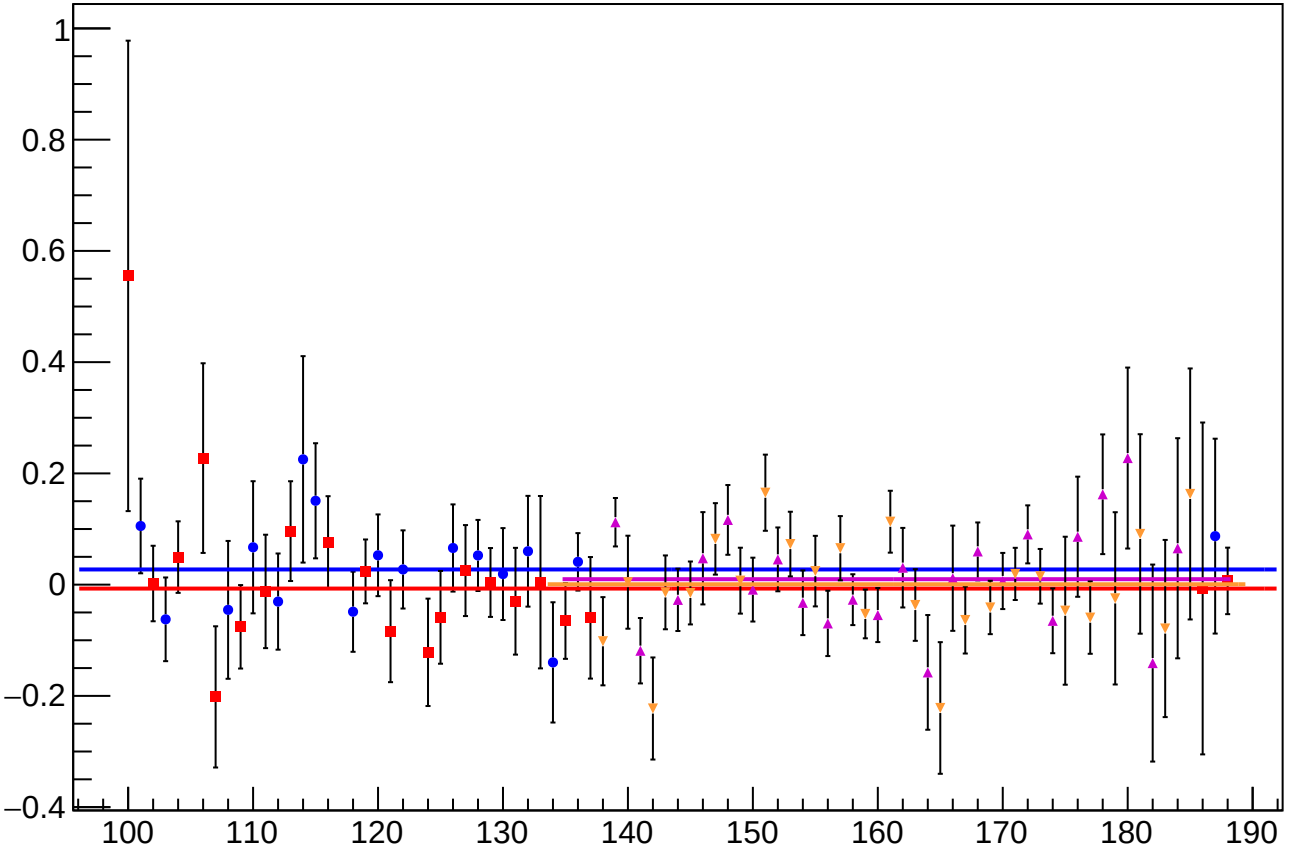
Right: 52.106+/-0.010 χ^2/NDF: 1526889.5/37

In: 52.570+/-0.008 χ^2/NDF:3004062.9/39

Out: 53.191+/-0.008 χ^2/NDF:4327711.2/45

All: 52.890+/-0.005 χ^2/NDF: 7335011.9/85

asym_sam_2468_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.027+/-0.020 χ^2/NDF: 10.1/16

Left Out: 0.001+/-0.013 χ^2/NDF:31.7/24

Right Out: -0.007+/-0.018 χ^2/NDF: 14.0/20

Left In: 0.010+/-0.013 χ^2/NDF:31.9/22

Left: 0.005+/-0.009 χ^2/NDF: 63.8/47

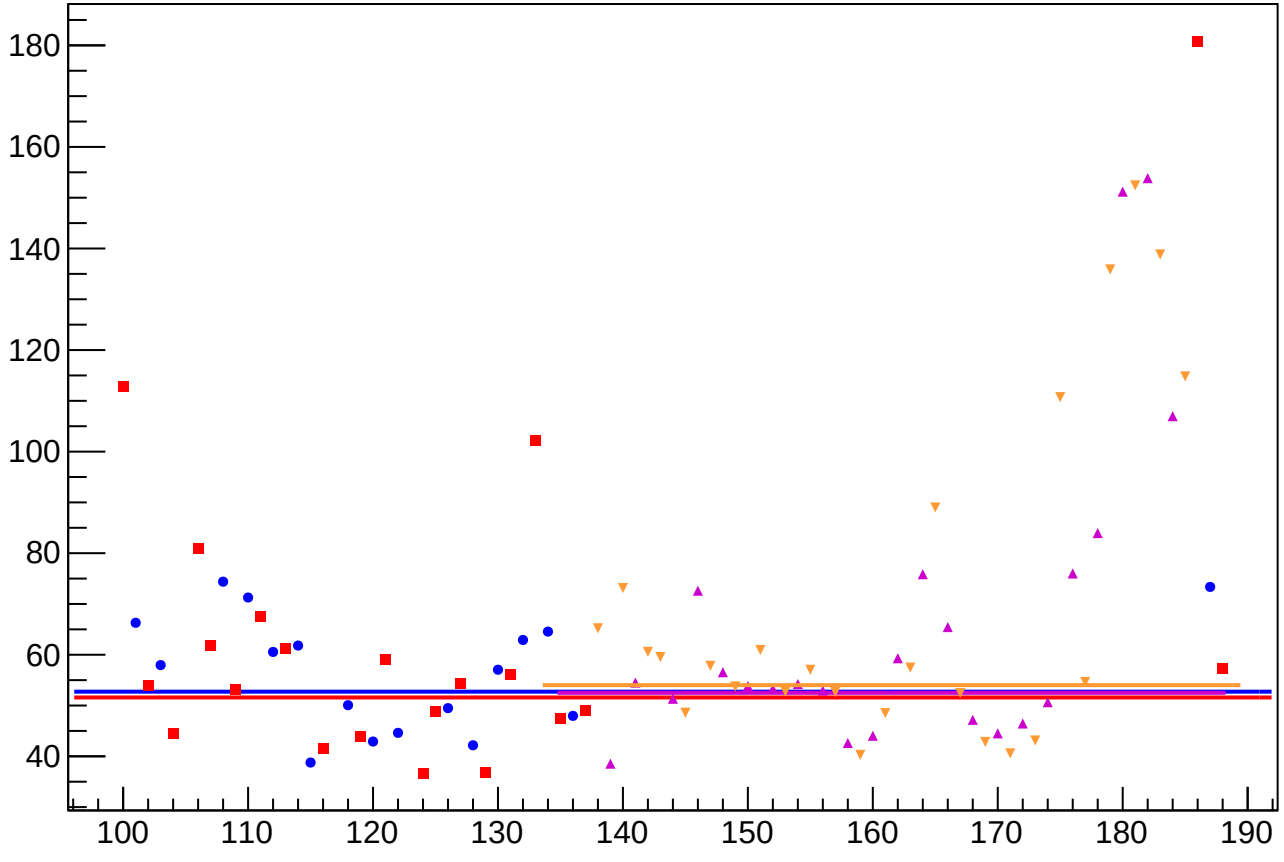
Right: 0.009+/-0.014 χ^2/NDF: 25.6/37

In: 0.015+/-0.011 χ^2/NDF:42.5/39

Out: -0.002+/-0.011 χ^2/NDF:45.8/45

All: 0.006+/-0.008 χ^2/NDF: 89.5/85

asym_sam_2468_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 52.729+/-0.014 χ^2/NDF: 446081.0/16

Left Out: 54.014+/-0.009 χ^2/NDF:3227569.4/24

Right Out: 51.587+/-0.013 χ^2/NDF: 1077336.3/20

Left In: 52.502+/-0.009 χ^2/NDF:2557805.6/22

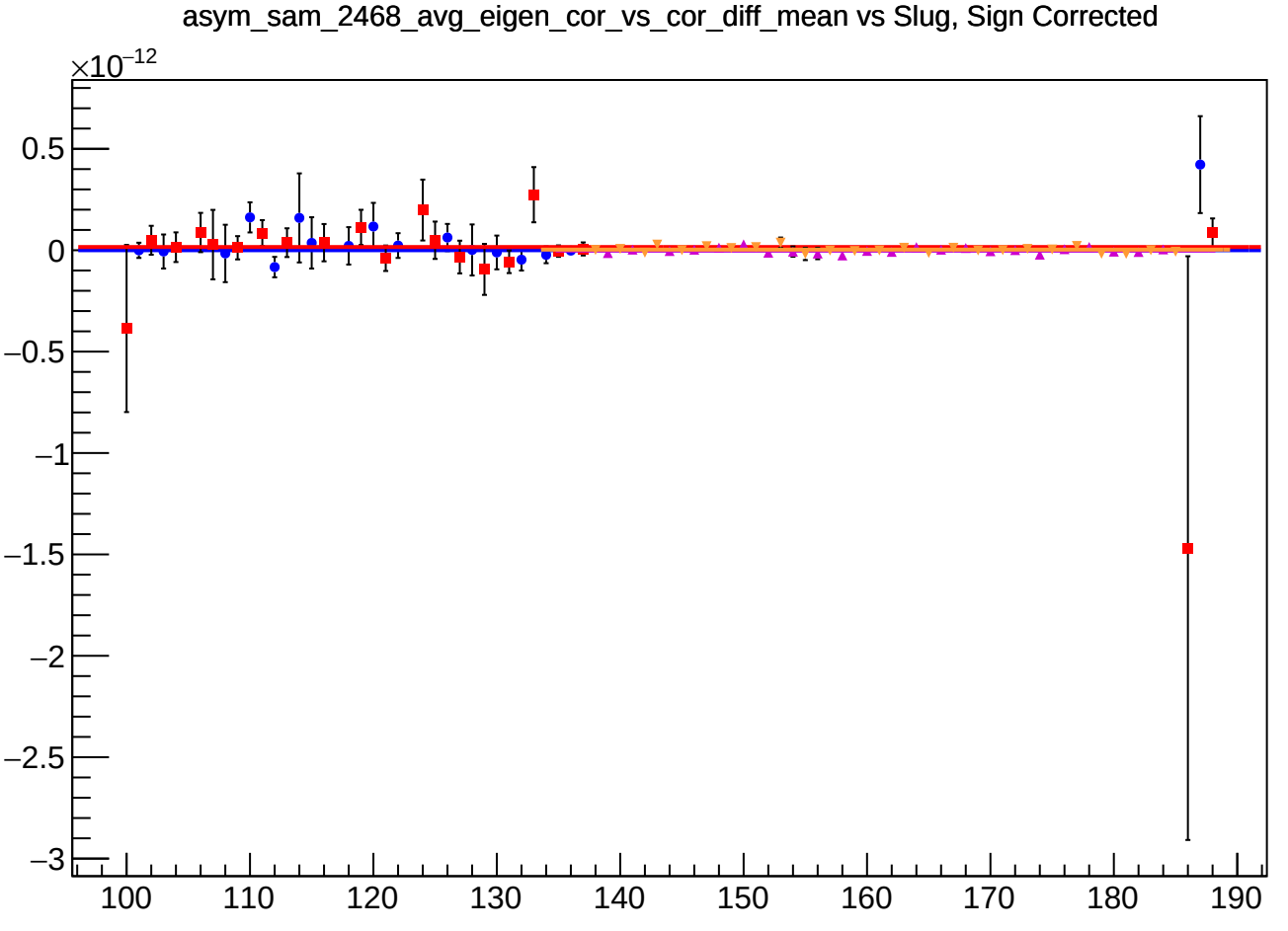
Left: 53.257+/-0.007 χ^2/NDF: 5798440.6/47

Right: 52.106+/-0.010 χ^2/NDF: 1526889.5/37

In: 52.570+/-0.008 χ^2/NDF:3004062.9/39

Out: 53.191+/-0.008 χ^2/NDF:4327711.2/45

All: 52.890+/-0.005 χ^2/NDF: 7335011.9/85



Right In: 0.000+/-0.000 χ^2/NDF: 14.4/16

Left Out: 0.000+/-0.000 χ^2/NDF:21.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 15.7/20

Left In: -0.000+/-0.000 χ^2/NDF:15.3/22

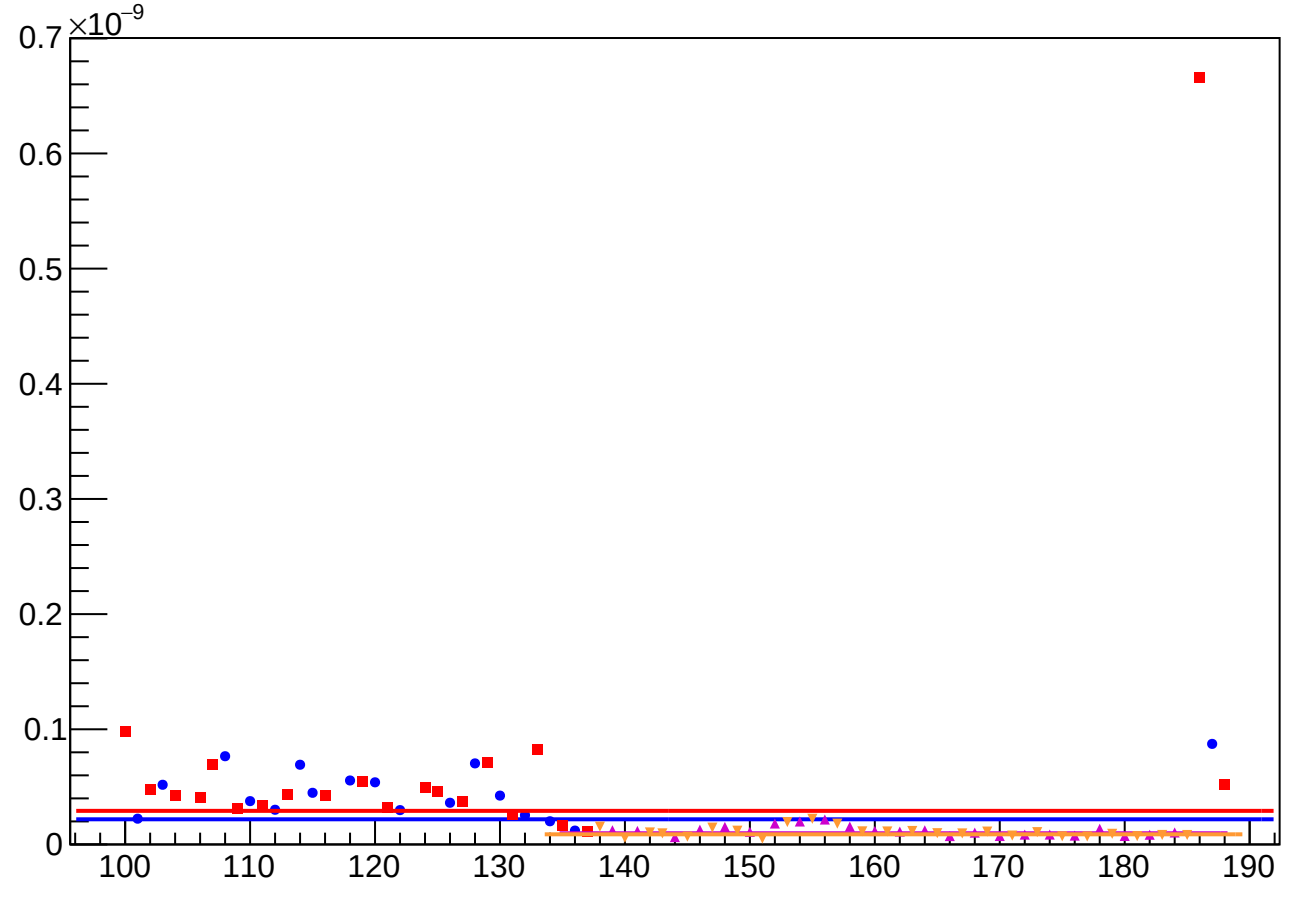
Left: 0.000+/-0.000 χ^2/NDF: 38.5/47

Right: 0.000+/-0.000 χ^2/NDF: 30.8/37

In: -0.000+/-0.000 χ^2/NDF:29.7/39

Out: 0.000+/-0.000 χ^2/NDF:38.3/45

All: 0.000+/-0.000 χ^2/NDF: 69.7/85



Right In: 0.000+/-0.000 χ^2/NDF: 2673350.8/16

Left Out: 0.000+/-0.000 χ^2/NDF:2517075.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2994009.7/20

Left In: 0.000+/-0.000 χ^2/NDF:2320113.6/22

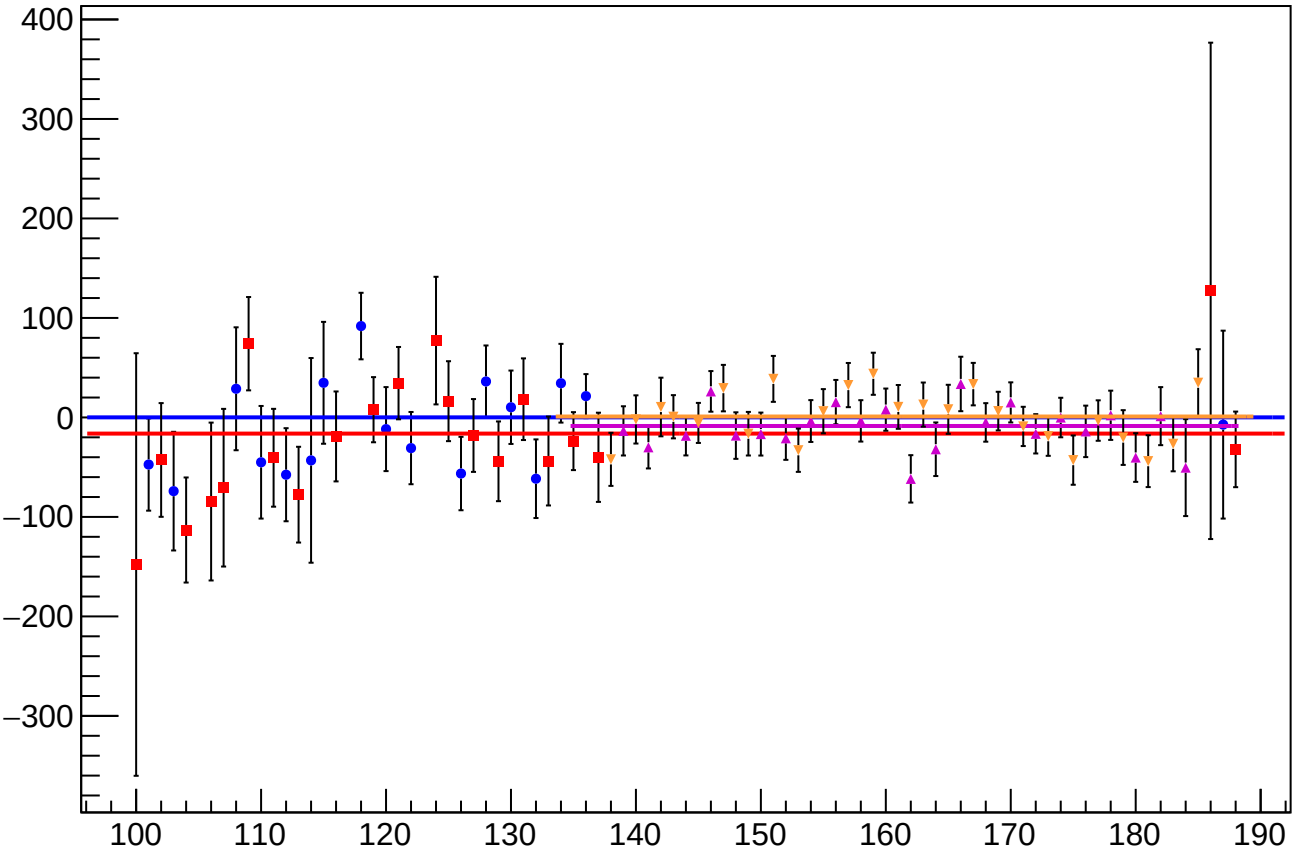
Left: 0.000+/-0.000 χ^2/NDF: 4948206.8/47

Right: 0.000+/-0.000 χ^2/NDF: 5978741.1/37

In: 0.000+/-0.000 χ^2/NDF:6930386.5/39

Out: 0.000+/-0.000 χ^2/NDF:9482175.2/45

All: 0.000+/-0.000 χ^2/NDF: 16524144.9/85



Right In: 0.072+/-9.991 χ^2/NDF: 21.3/16

Left Out: 0.917+/-4.574 χ^2/NDF:29.2/24

Right Out: -16.248+/-9.904 χ^2/NDF: 18.5/20

Left In: -8.600+/-4.724 χ^2/NDF:19.4/22

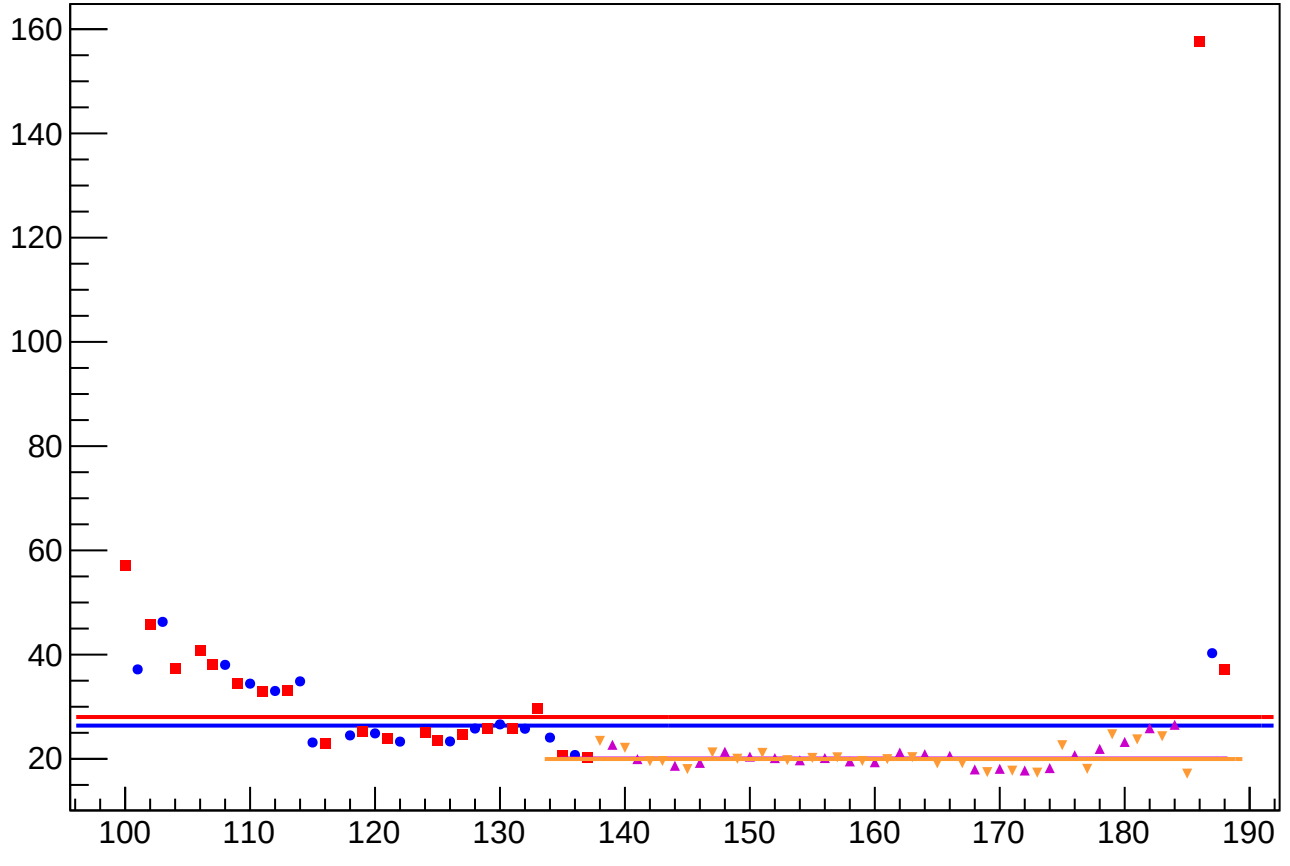
Left: -3.689+/-3.286 χ^2/NDF: 50.7/47

Right: -8.160+/-7.034 χ^2/NDF: 41.1/37

In: -7.016+/-4.270 χ^2/NDF:41.3/39

Out: -2.101+/-4.153 χ^2/NDF:50.2/45

All: -4.490+/-2.977 χ^2/NDF: 92.2/85



Right In: 26.384+/-0.007 χ^2/NDF: 719804.2/16

Left Out: 19.969+/-0.003 χ^2/NDF:386763.9/24

Right Out: 28.027+/-0.007 χ^2/NDF: 1423995.0/20

Left In: 20.072+/-0.003 χ^2/NDF:301705.2/22

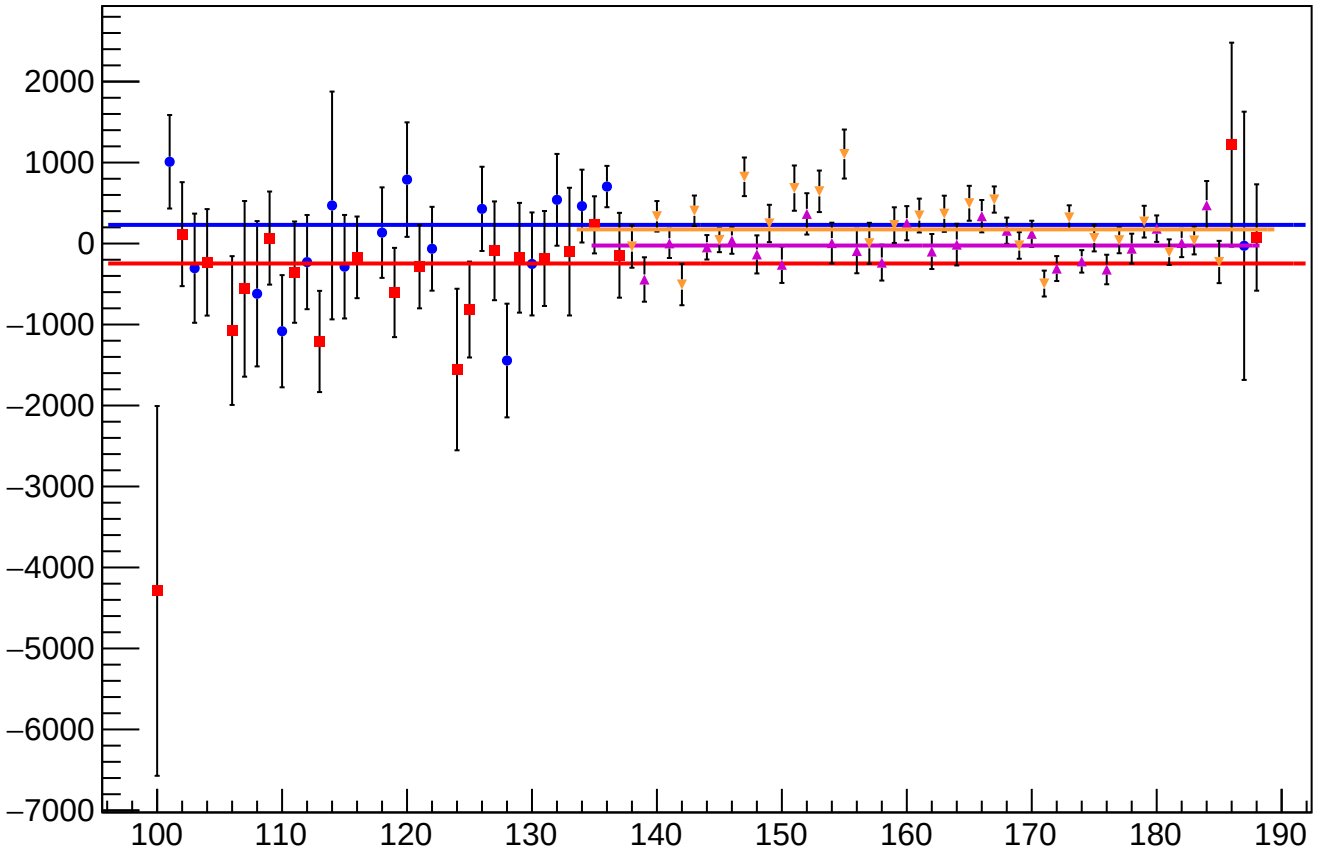
Left: 20.019+/-0.002 χ^2/NDF: 688968.6/47

Right: 27.213+/-0.005 χ^2/NDF: 2171088.6/37

In: 21.225+/-0.003 χ^2/NDF:1673862.8/39

Out: 21.385+/-0.003 χ^2/NDF:2902253.8/45

All: 21.308+/-0.002 χ^2/NDF: 4577557.4/85



Right In: 230.379+/-134.426 χ^2/NDF: 19.7/16

Left Out: 174.693+/-39.049 χ^2/NDF:71.2/24

Right Out: -246.316+/-136.089 χ^2/NDF: 13.7/20

Left In: -24.589+/-40.070 χ^2/NDF:26.9/22

Left: 77.623+/-27.966 χ^2/NDF: 110.8/47

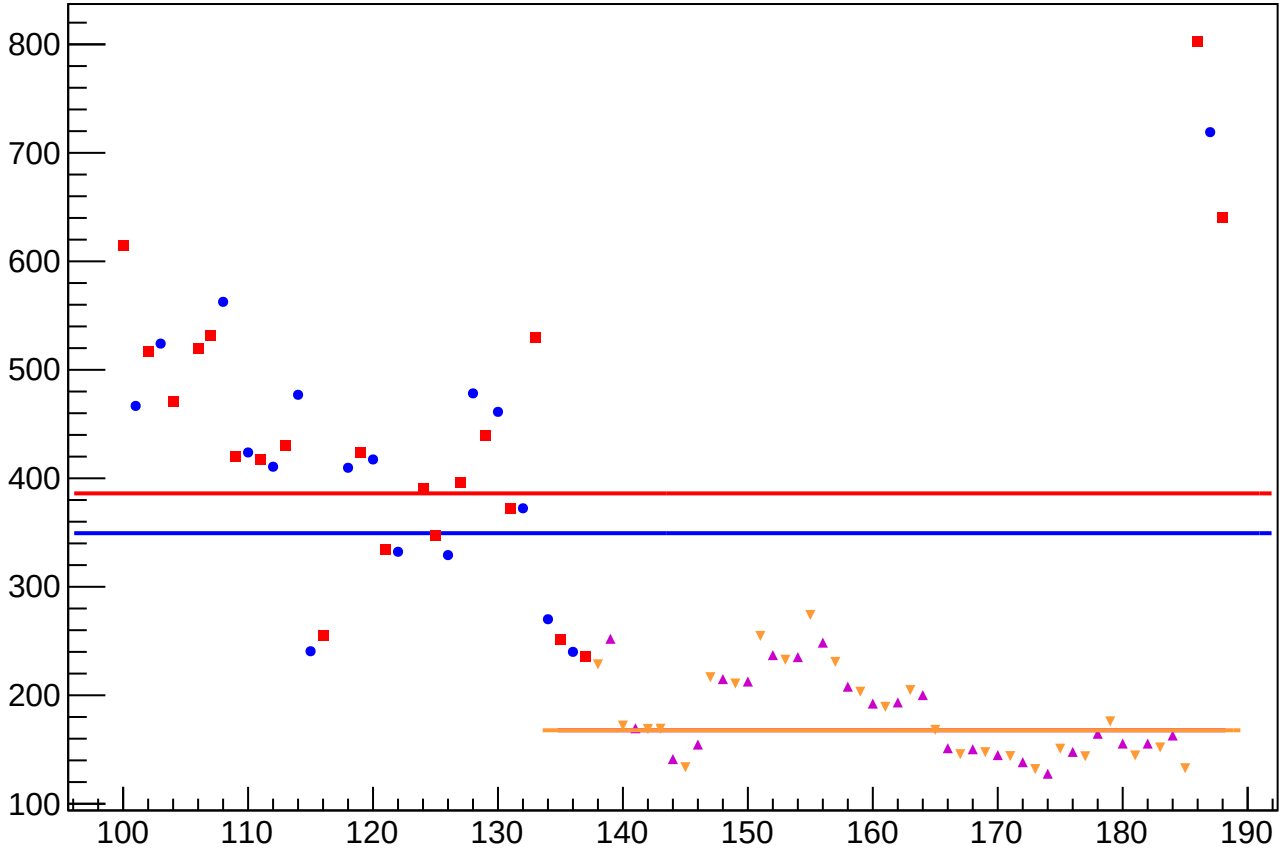
Right: -5.038+/-95.636 χ^2/NDF: 39.6/37

In: -3.783+/-38.401 χ^2/NDF:49.9/39

Out: 142.666+/-37.534 χ^2/NDF:93.8/45

All: 71.112+/-26.842 χ^2/NDF: 151.1/85

asym_sam_1357_2468_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 349.421+/-0.095 χ^2/NDF: 1158345.2/16

Left Out: 167.754+/-0.028 χ^2/NDF:1578232.9/24

Right Out: 386.106+/-0.096 χ^2/NDF: 1465930.1/20

Left In: 167.748+/-0.028 χ^2/NDF:1403124.0/22

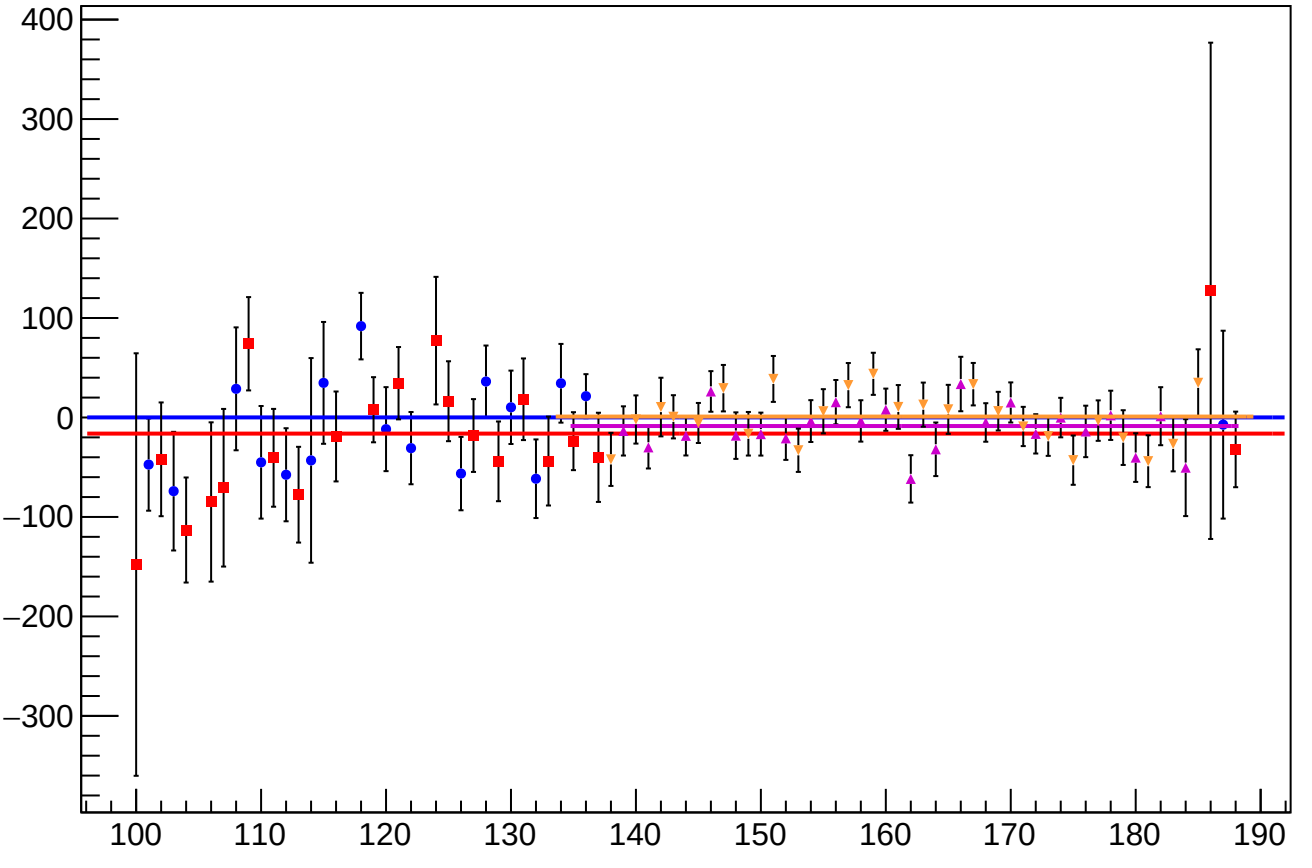
Left: 167.751+/-0.020 χ^2/NDF: 2981357.0/47

Right: 367.538+/-0.068 χ^2/NDF: 2697834.7/37

In: 182.573+/-0.027 χ^2/NDF:5916327.8/39

Out: 184.364+/-0.027 χ^2/NDF:7801197.5/45

All: 183.489+/-0.019 χ^2/NDF: 13719750.4/85



Right In: 0.075+/-9.991 χ^2/NDF: 21.3/16

Left Out: 0.915+/-4.574 χ^2/NDF:29.2/24

Right Out: -16.210+/-9.905 χ^2/NDF: 18.4/20

Left In: -8.600+/-4.724 χ^2/NDF:19.4/22

Left: -3.690+/-3.286 χ^2/NDF: 50.7/47

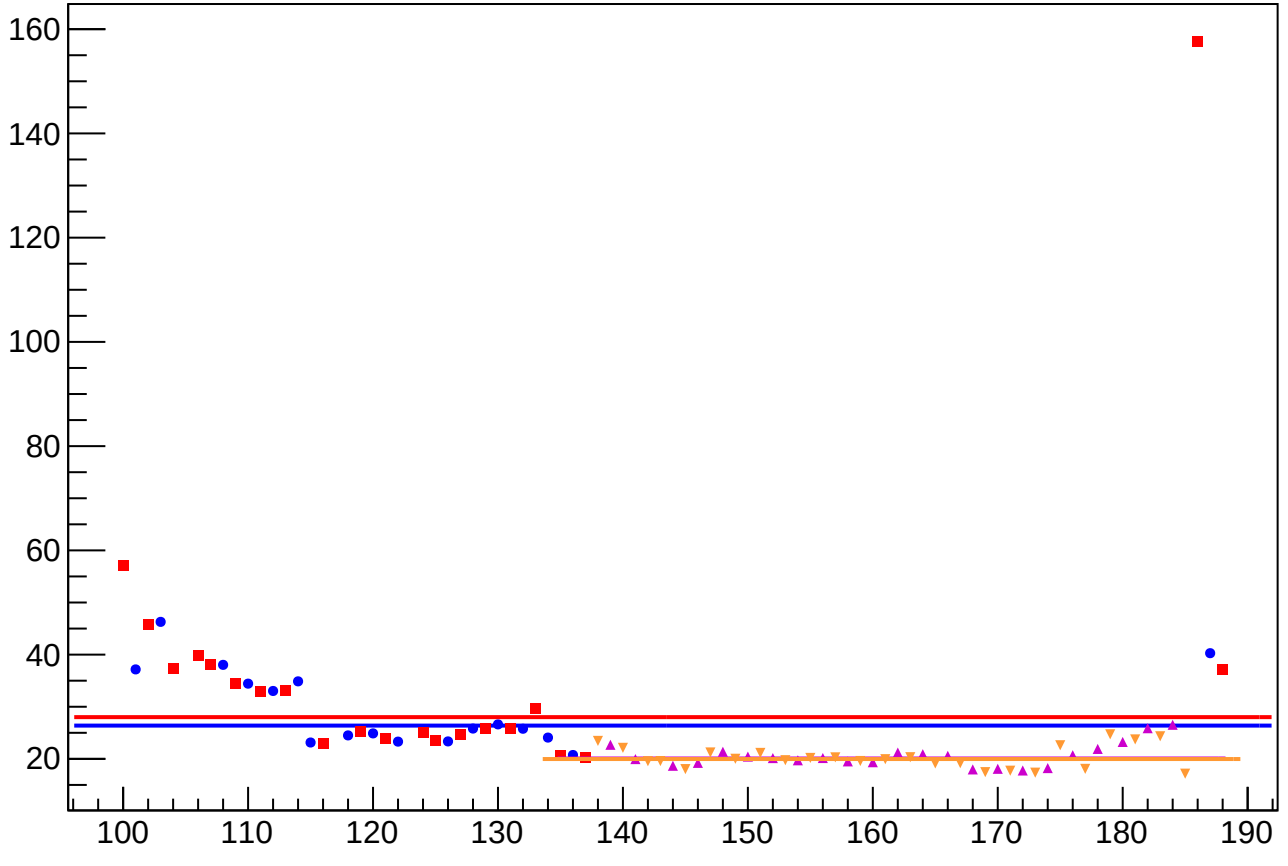
Right: -8.138+/-7.034 χ^2/NDF: 41.1/37

In: -7.016+/-4.270 χ^2/NDF:41.3/39

Out: -2.095+/-4.153 χ^2/NDF:50.1/45

All: -4.487+/-2.977 χ^2/NDF: 92.1/85

cor_asym_sam_1357_2468_dd_rms vs Slug, Sign Corrected



Right In: 26.384+/-0.007 χ^2/NDF: 719807.6/16

Left Out: 19.969+/-0.003 χ^2/NDF:386763.9/24

Right Out: 28.007+/-0.007 χ^2/NDF: 1414979.8/20

Left In: 20.072+/-0.003 χ^2/NDF:301705.2/22

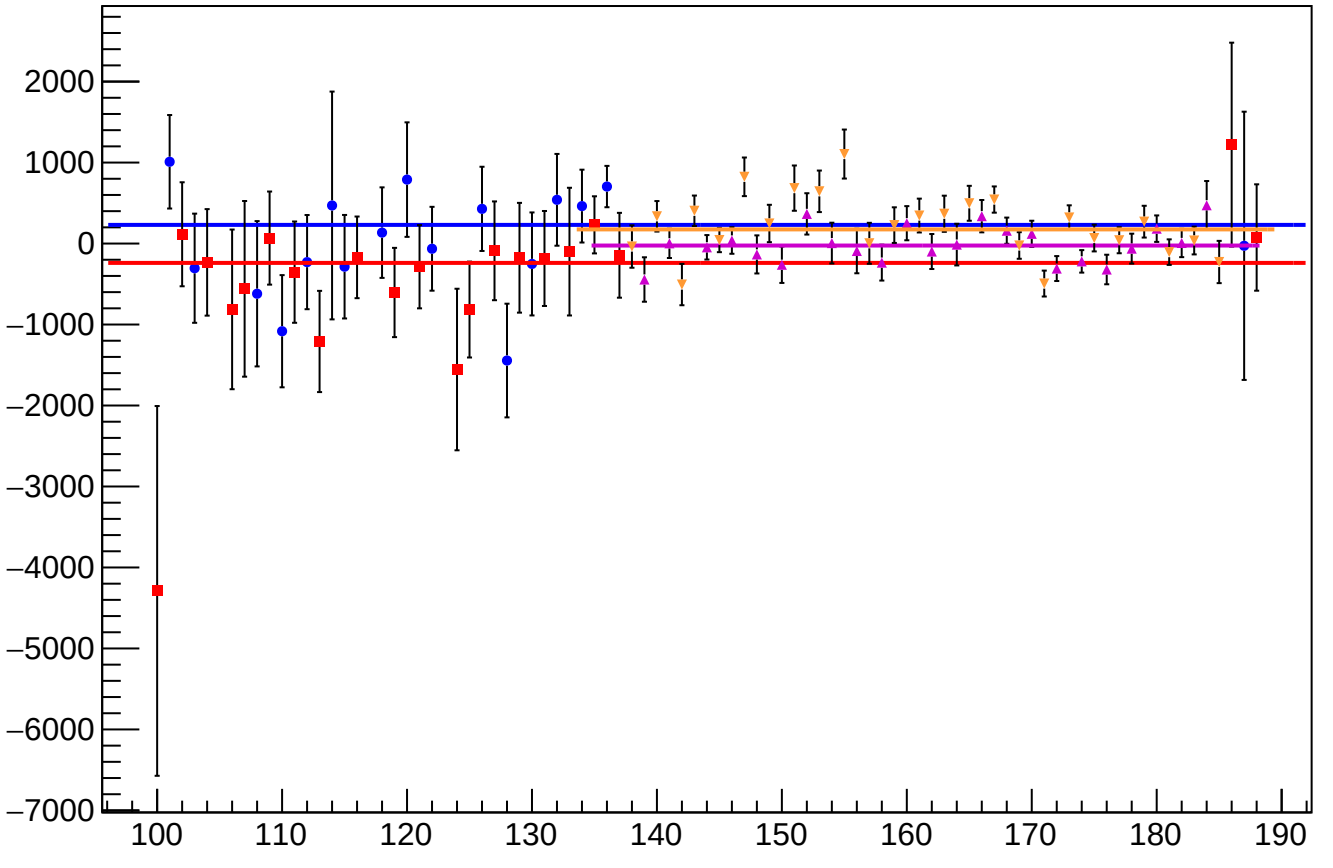
Left: 20.019+/-0.002 χ^2/NDF: 688968.7/47

Right: 27.203+/-0.005 χ^2/NDF: 2161408.7/37

In: 21.225+/-0.003 χ^2/NDF:1673866.1/39

Out: 21.381+/-0.003 χ^2/NDF:2887519.4/45

All: 21.306+/-0.002 χ^2/NDF: 4562756.9/85



Right In: 230.371+/-134.426 χ^2/NDF: 19.7/16

Left Out: 174.691+/-39.049 χ^2/NDF:71.2/24

Right Out: -239.007+/-136.289 χ^2/NDF: 13.3/20

Left In: -24.590+/-40.070 χ^2/NDF:26.9/22

Left: 77.622+/-27.966 χ^2/NDF: 110.8/47

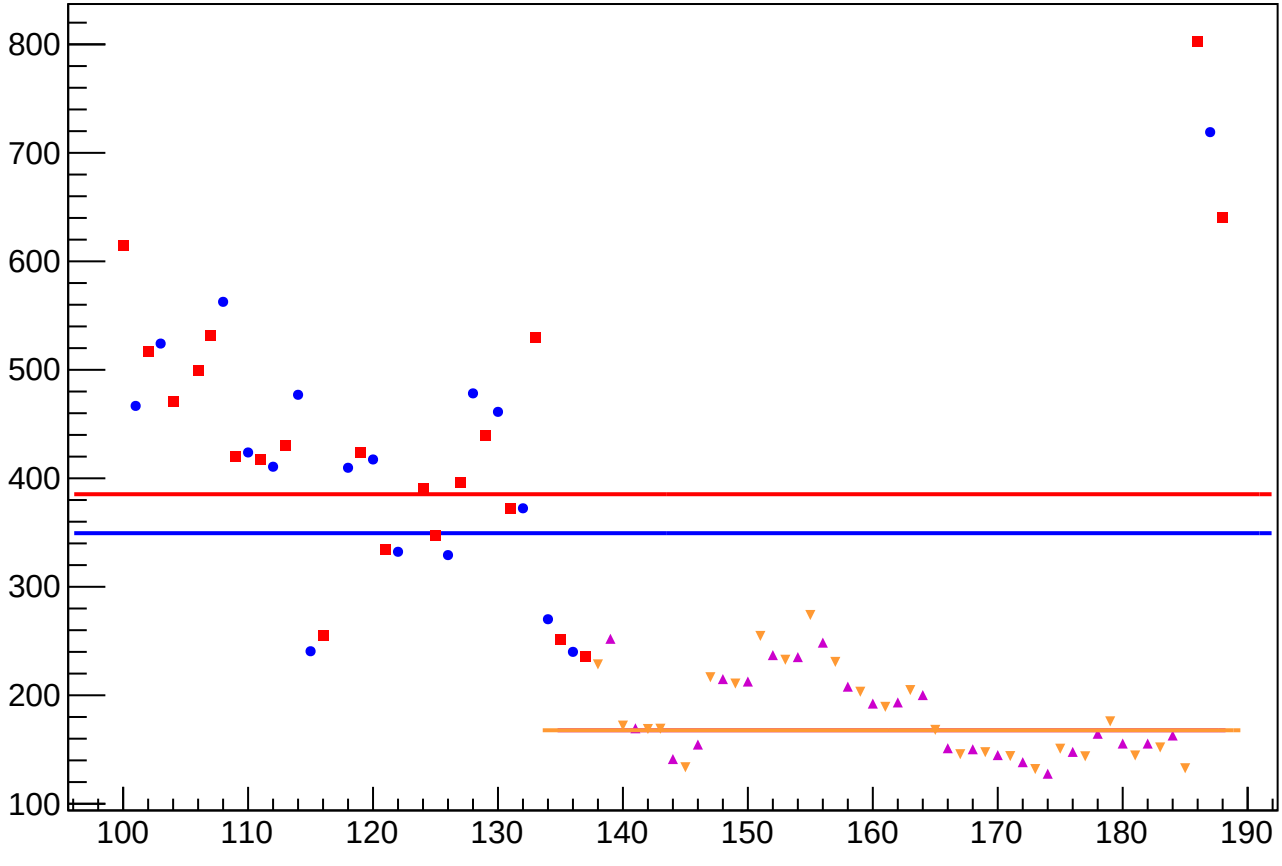
Right: -1.089+/-95.705 χ^2/NDF: 38.9/37

In: -3.784+/-38.401 χ^2/NDF:49.9/39

Out: 143.306+/-37.539 χ^2/NDF:93.0/45

All: 71.430+/-26.843 χ^2/NDF: 150.3/85

asym_sam_1357_2468_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 349.421+/-0.095 χ^2/NDF: 1158373.0/16

Left Out: 167.754+/-0.028 χ^2/NDF:1578231.3/24

Right Out: 385.335+/-0.096 χ^2/NDF: 1450168.5/20

Left In: 167.748+/-0.028 χ^2/NDF:1403120.1/22

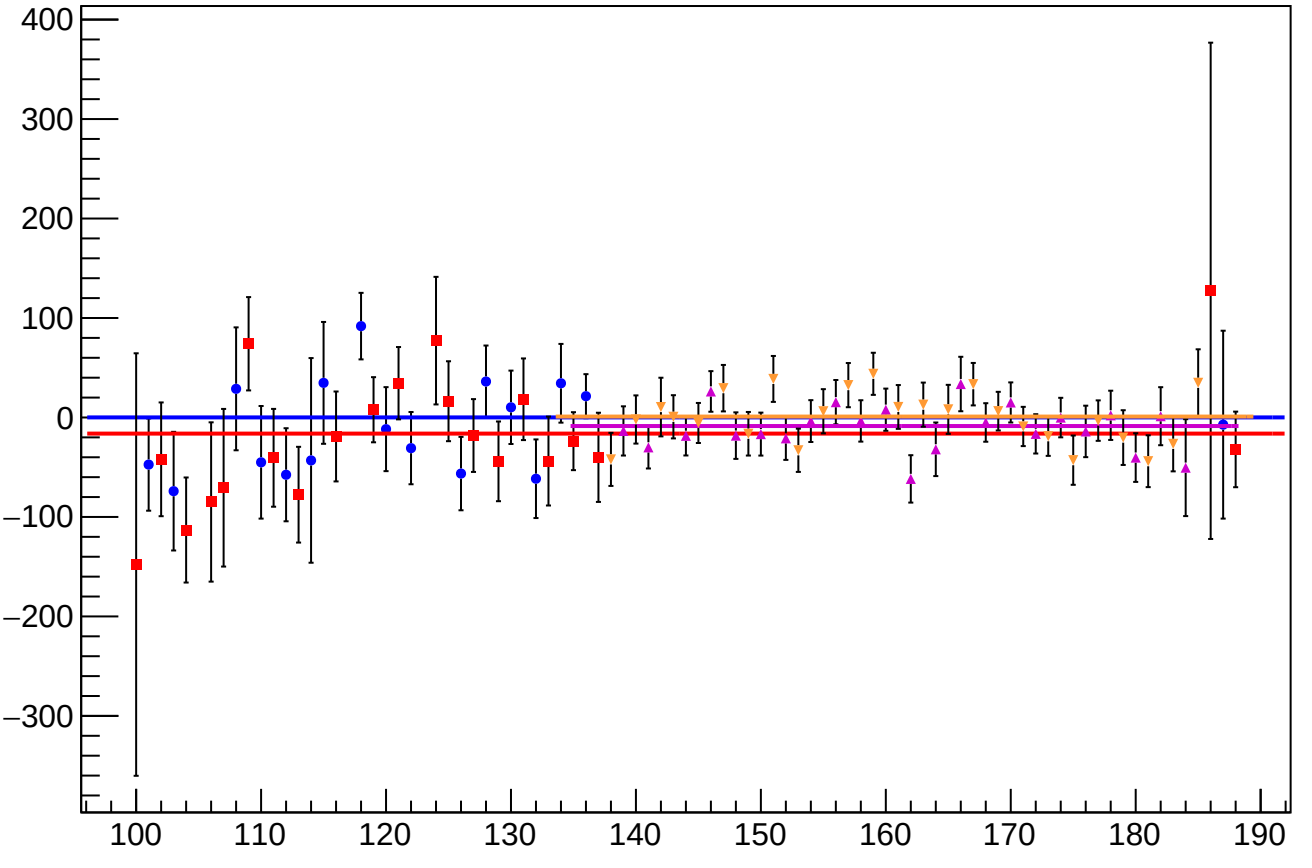
Left: 167.751+/-0.020 χ^2/NDF: 2981351.5/47

Right: 367.131+/-0.068 χ^2/NDF: 2678937.7/37

In: 182.573+/-0.027 χ^2/NDF:5916343.1/39

Out: 184.261+/-0.027 χ^2/NDF:7739126.7/45

All: 183.436+/-0.019 χ^2/NDF: 13657444.8/85



Right In: 0.075+/-9.991 χ^2/NDF: 21.3/16

Left Out: 0.915+/-4.574 χ^2/NDF:29.2/24

Right Out: -16.210+/-9.905 χ^2/NDF: 18.4/20

Left In: -8.600+/-4.724 χ^2/NDF:19.4/22

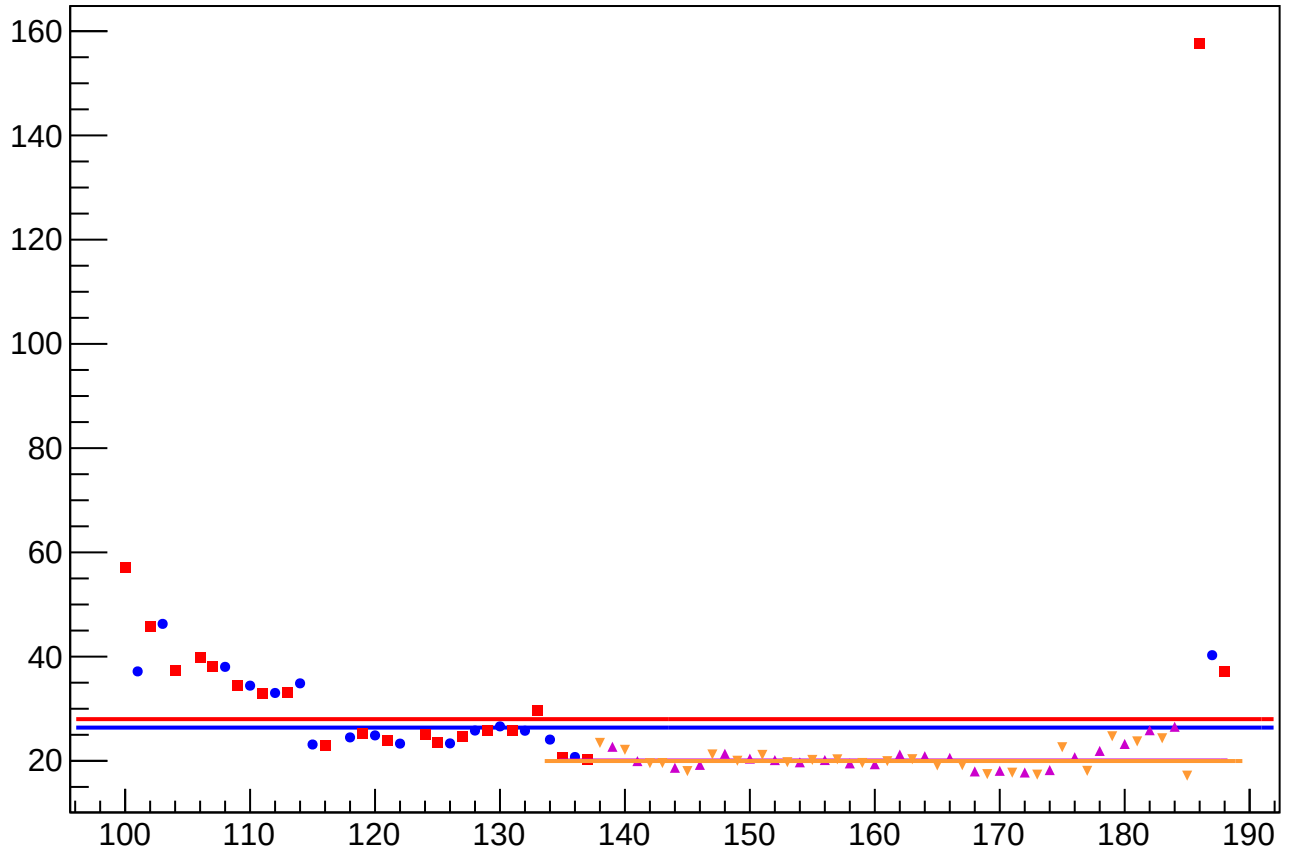
Left: -3.690+/-3.286 χ^2/NDF: 50.7/47

Right: -8.138+/-7.034 χ^2/NDF: 41.1/37

In: -7.016+/-4.270 χ^2/NDF:41.3/39

Out: -2.095+/-4.153 χ^2/NDF:50.1/45

All: -4.487+/-2.977 χ^2/NDF: 92.1/85



Right In: 26.384+/-0.007 χ^2/NDF: 719807.6/16

Left Out: 19.969+/-0.003 χ^2/NDF:386763.9/24

Right Out: 28.007+/-0.007 χ^2/NDF: 1414979.8/20

Left In: 20.072+/-0.003 χ^2/NDF:301705.2/22

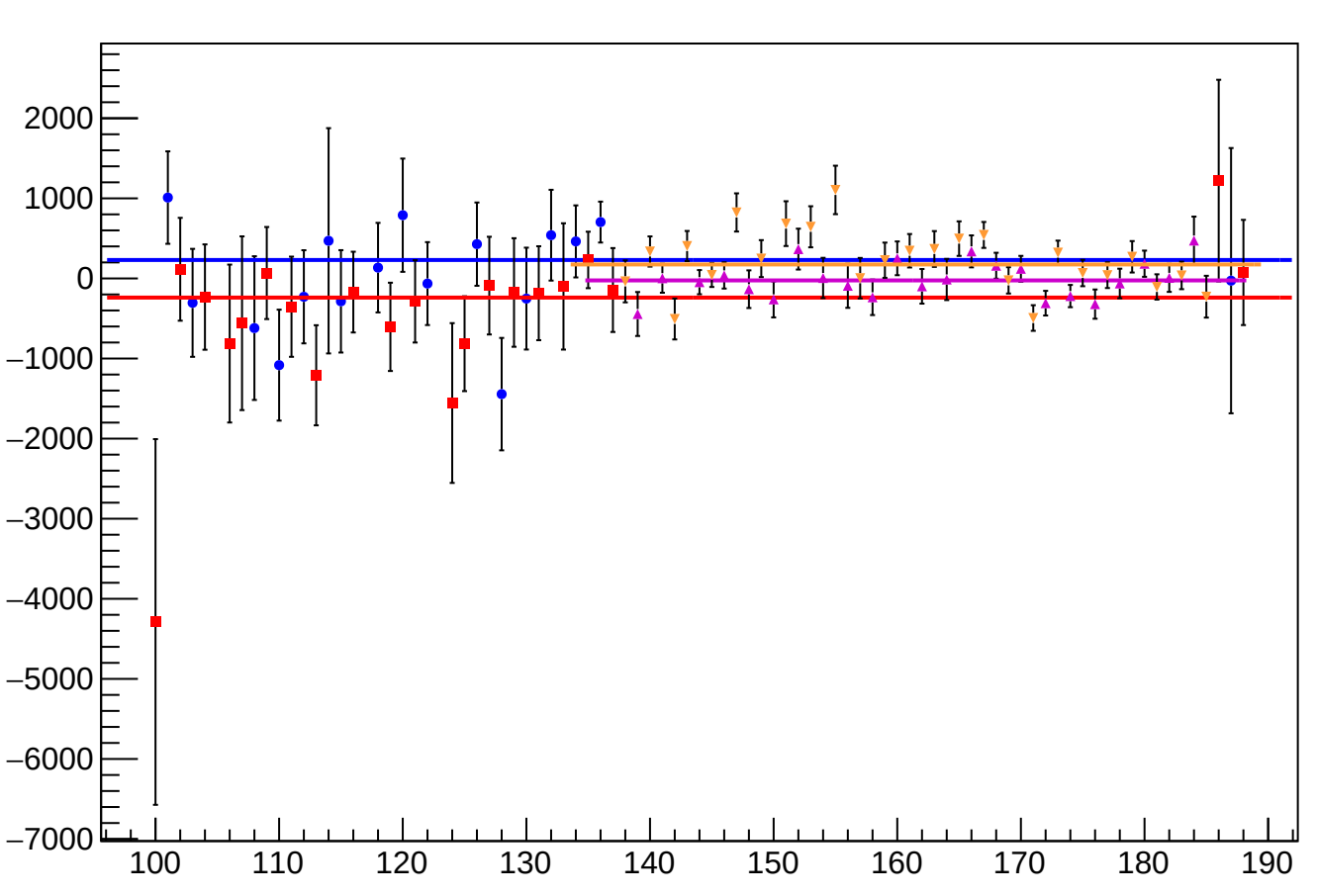
Left: 20.019+/-0.002 χ^2/NDF: 688968.7/47

Right: 27.203+/-0.005 χ^2/NDF: 2161408.7/37

In: 21.225+/-0.003 χ^2/NDF:1673866.1/39

Out: 21.381+/-0.003 χ^2/NDF:2887519.4/45

All: 21.306+/-0.002 χ^2/NDF: 4562756.9/85



Right In: 230.371+/-134.426 χ^2/NDF: 19.7/16

Left Out: 174.691+/-39.049 χ^2/NDF:71.2/24

Right Out: -239.007+/-136.289 χ^2/NDF: 13.3/20

Left In: -24.590+/-40.070 χ^2/NDF:26.9/22

Left: 77.622+/-27.966 χ^2/NDF: 110.8/47

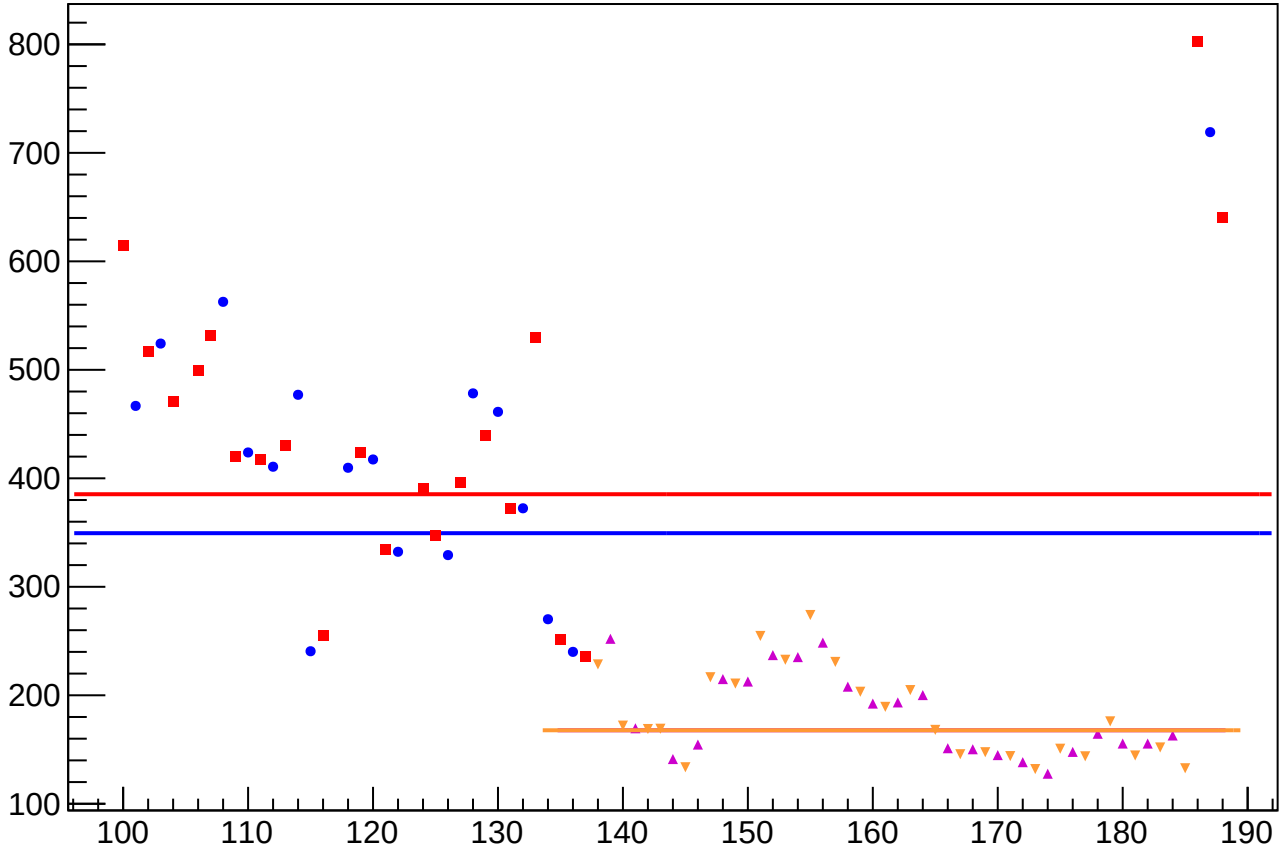
Right: -1.089+/-95.705 χ^2/NDF: 38.9/37

In: -3.784+/-38.401 χ^2/NDF:49.9/39

Out: 143.306+/-37.539 χ^2/NDF:93.0/45

All: 71.430+/-26.843 χ^2/NDF: 150.3/85

asym_sam_1357_2468_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 349.421+/-0.095 χ^2/NDF: 1158373.0/16

Left Out: 167.754+/-0.028 χ^2/NDF:1578231.3/24

Right Out: 385.335+/-0.096 χ^2/NDF: 1450168.5/20

Left In: 167.748+/-0.028 χ^2/NDF:1403120.1/22

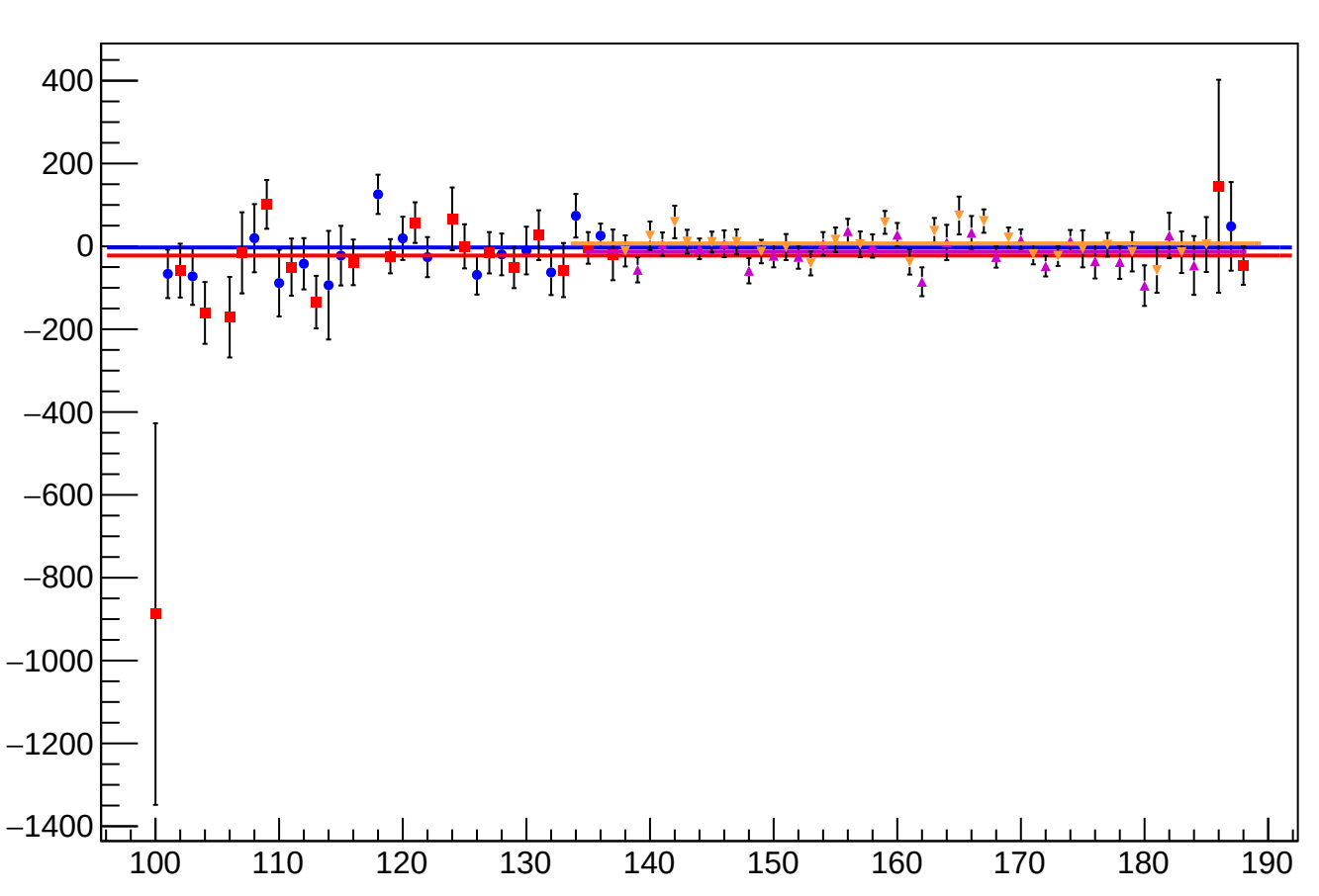
Left: 167.751+/-0.020 χ^2/NDF: 2981351.5/47

Right: 367.131+/-0.068 χ^2/NDF: 2678937.7/37

In: 182.573+/-0.027 χ^2/NDF:5916343.1/39

Out: 184.261+/-0.027 χ^2/NDF:7739126.7/45

All: 183.436+/-0.019 χ^2/NDF: 13657444.8/85



Right In: -2.626+/-13.289 χ^2/NDF: 18.7/16

Left Out: 7.079+/-6.333 χ^2/NDF:22.7/24

Right Out: -22.165+/-12.922 χ^2/NDF: 23.8/20

Left In: -12.697+/-6.513 χ^2/NDF:25.6/22

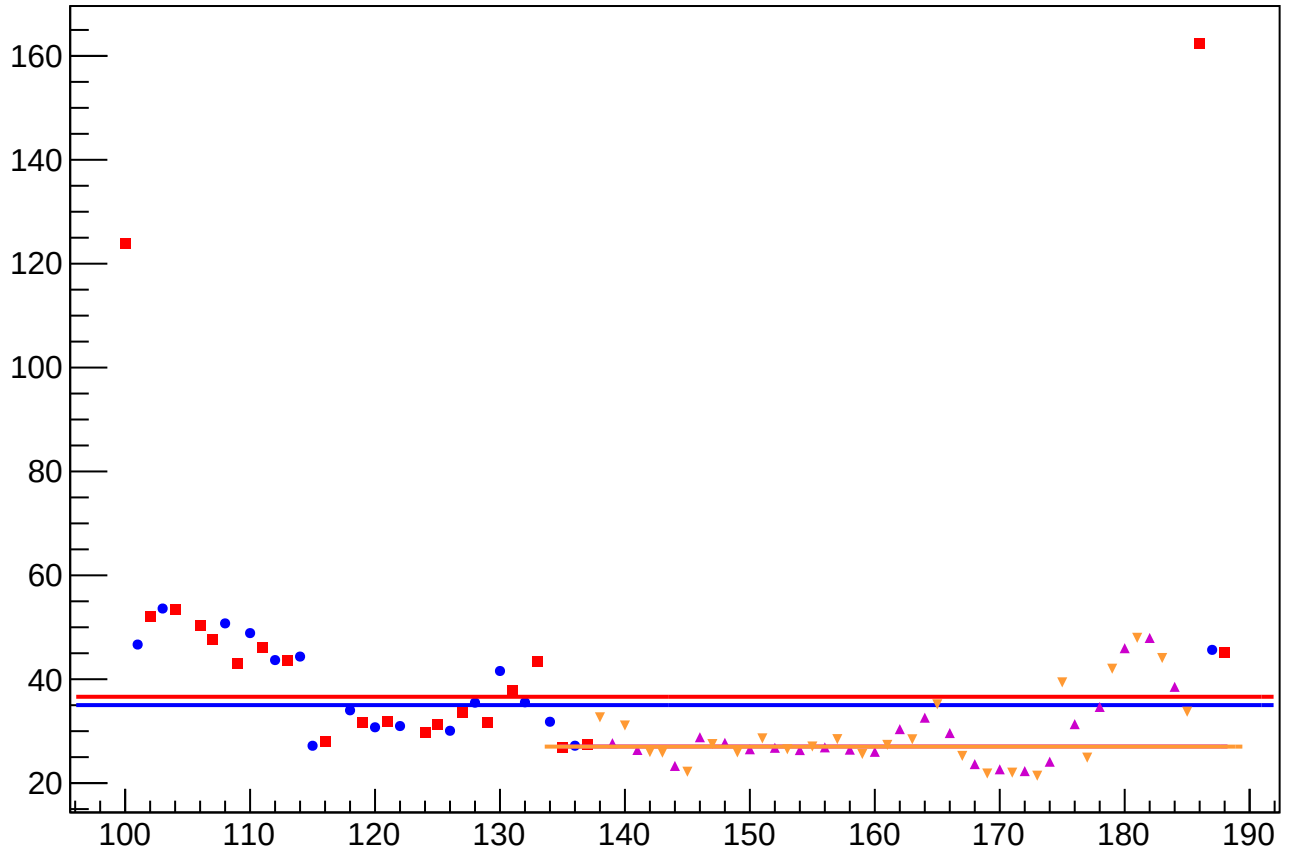
Left: -2.531+/-4.541 χ^2/NDF: 53.1/47

Right: -12.669+/-9.264 χ^2/NDF: 43.7/37

In: -10.746+/-5.849 χ^2/NDF:44.8/39

Out: 1.415+/-5.687 χ^2/NDF:50.7/45

All: -4.495+/-4.077 χ^2/NDF: 97.7/85



Right In: 35.017+/-0.009 χ^2/NDF: 678212.3/16

Left Out: 27.026+/-0.004 χ^2/NDF:1430523.7/24

Right Out: 36.620+/-0.009 χ^2/NDF: 1339088.5/20

Left In: 27.052+/-0.005 χ^2/NDF:1044359.4/22

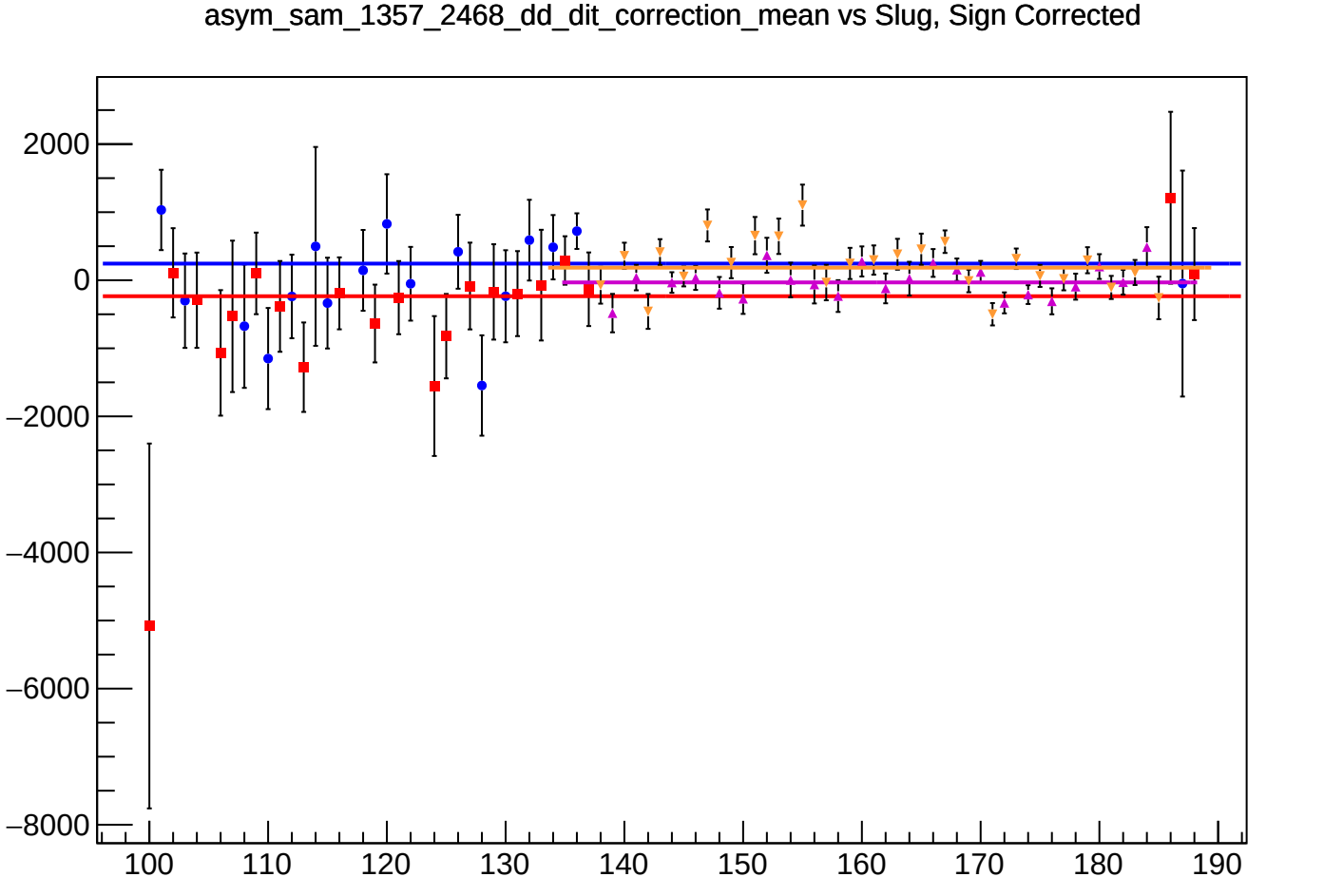
Left: 27.039+/-0.003 χ^2/NDF: 2474899.1/47

Right: 35.841+/-0.007 χ^2/NDF: 2032260.9/37

In: 28.595+/-0.004 χ^2/NDF:2301906.3/39

Out: 28.885+/-0.004 χ^2/NDF:3658575.7/45

All: 28.744+/-0.003 χ^2/NDF: 5963002.7/85



Right In: 244.412+/-139.776 χ^2/NDF: 19.8/16

Left Out: 184.675+/-39.832 χ^2/NDF:67.7/24

Right Out: -234.719+/-141.158 χ^2/NDF: 14.2/20

Left In: -31.891+/-40.975 χ^2/NDF:26.4/22

Left: 79.454+/-28.561 χ^2/NDF: 108.4/47

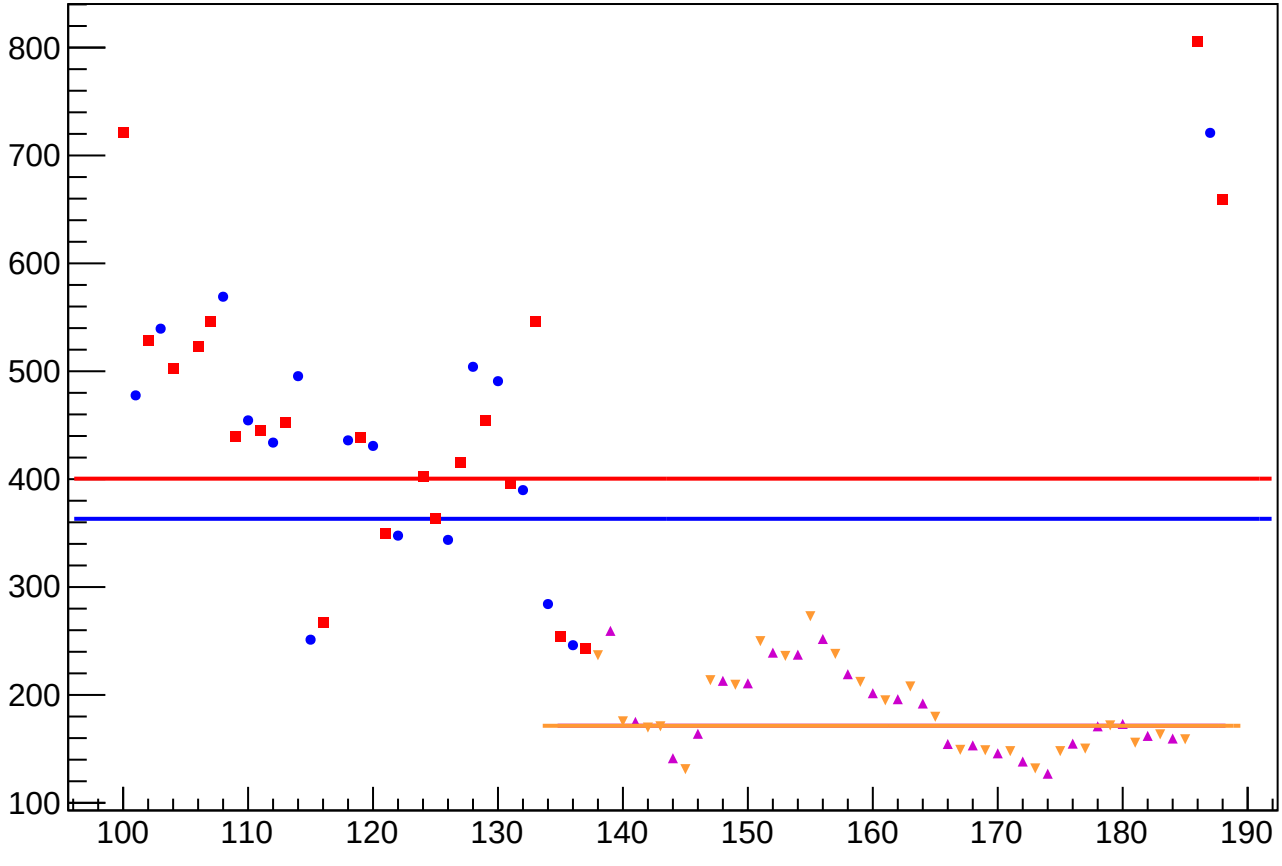
Right: 7.202+/-99.322 χ^2/NDF: 39.8/37

In: -10.026+/-39.320 χ^2/NDF:49.8/39

Out: 153.743+/-38.335 χ^2/NDF:90.1/45

All: 73.936+/-27.449 χ^2/NDF: 148.8/85

asym_sam_1357_2468_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 363.247+/-0.099 χ^2/NDF: 1186315.4/16

Left Out: 171.427+/-0.028 χ^2/NDF:1526852.0/24

Right Out: 400.461+/-0.100 χ^2/NDF: 1490707.1/20

Left In: 171.490+/-0.029 χ^2/NDF:1415769.4/22

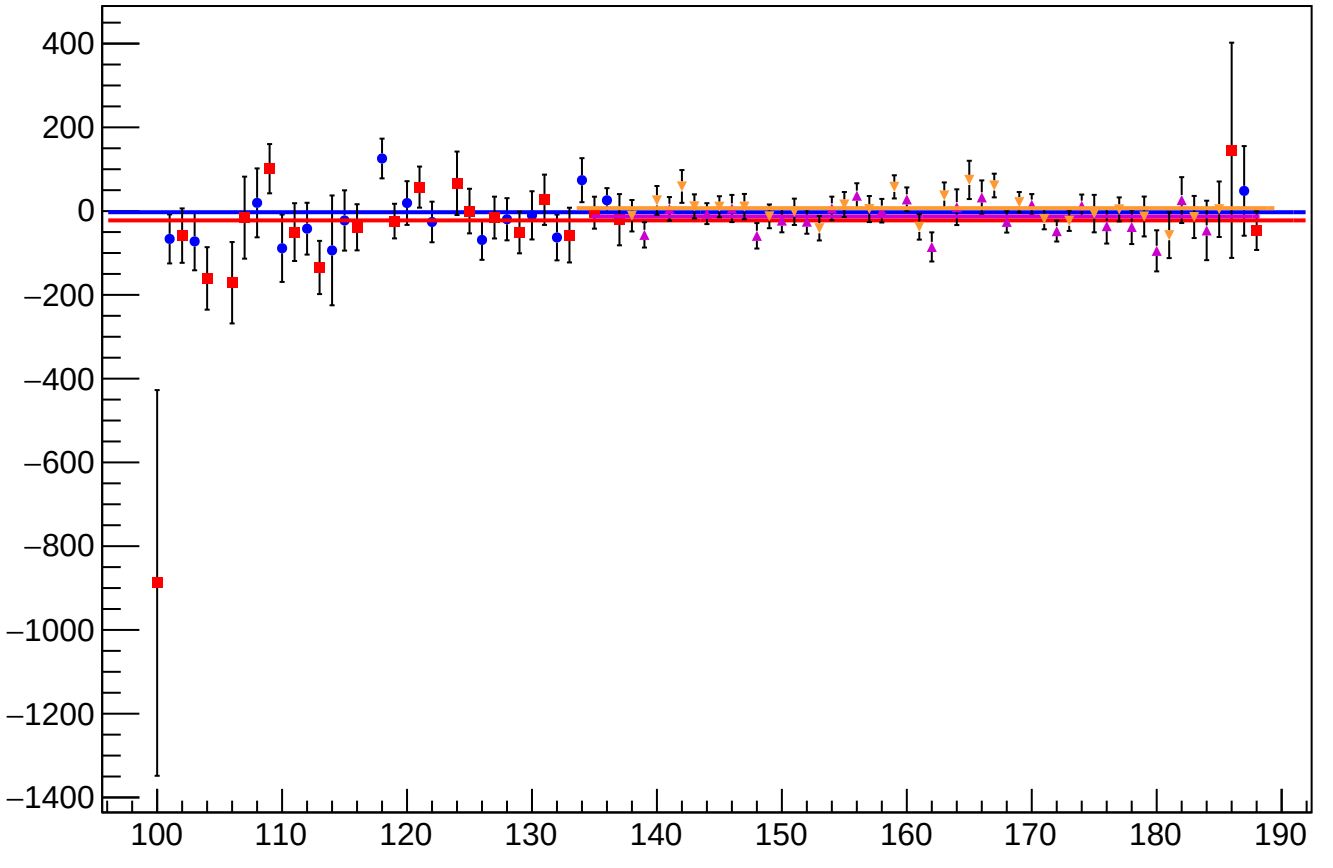
Left: 171.457+/-0.020 χ^2/NDF: 2942623.8/47

Right: 381.671+/-0.070 χ^2/NDF: 2747208.4/37

In: 186.664+/-0.028 χ^2/NDF:6068348.8/39

Out: 188.319+/-0.027 χ^2/NDF:7894515.8/45

All: 187.513+/-0.019 χ^2/NDF: 13964679.8/85



Right In: -2.627+/-13.289 χ^2/NDF: 18.7/16

Left Out: 7.079+/-6.333 χ^2/NDF:22.7/24

Right Out: -22.165+/-12.922 χ^2/NDF: 23.8/20

Left In: -12.697+/-6.513 χ^2/NDF:25.6/22

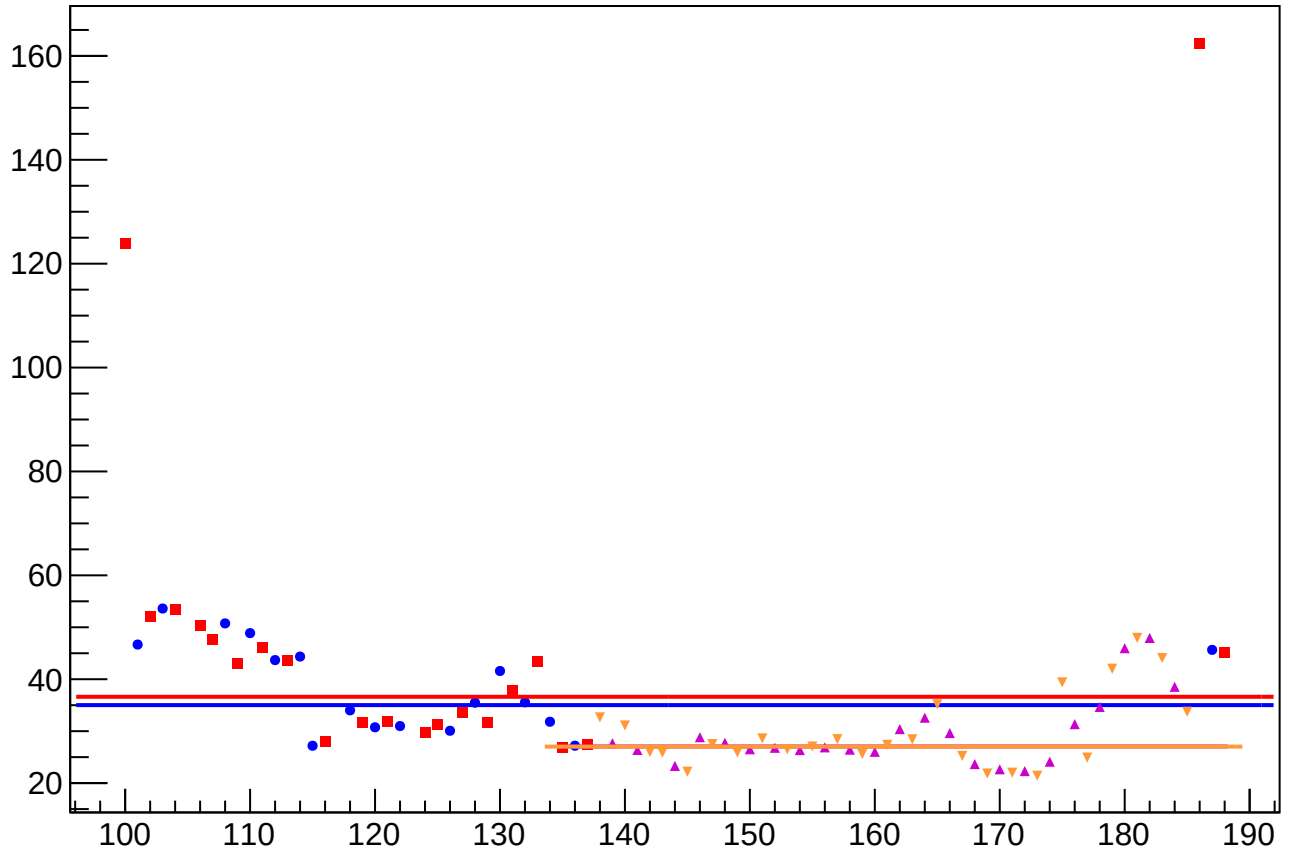
Left: -2.531+/-4.541 χ^2/NDF: 53.1/47

Right: -12.669+/-9.264 χ^2/NDF: 43.7/37

In: -10.746+/-5.849 χ^2/NDF:44.8/39

Out: 1.415+/-5.687 χ^2/NDF:50.7/45

All: -4.495+/-4.077 χ^2/NDF: 97.7/85



Right In: 35.017+/-0.009 χ^2/NDF: 678163.4/16

Left Out: 27.026+/-0.004 χ^2/NDF:1430534.9/24

Right Out: 36.620+/-0.009 χ^2/NDF: 1339068.5/20

Left In: 27.052+/-0.005 χ^2/NDF:1044338.2/22

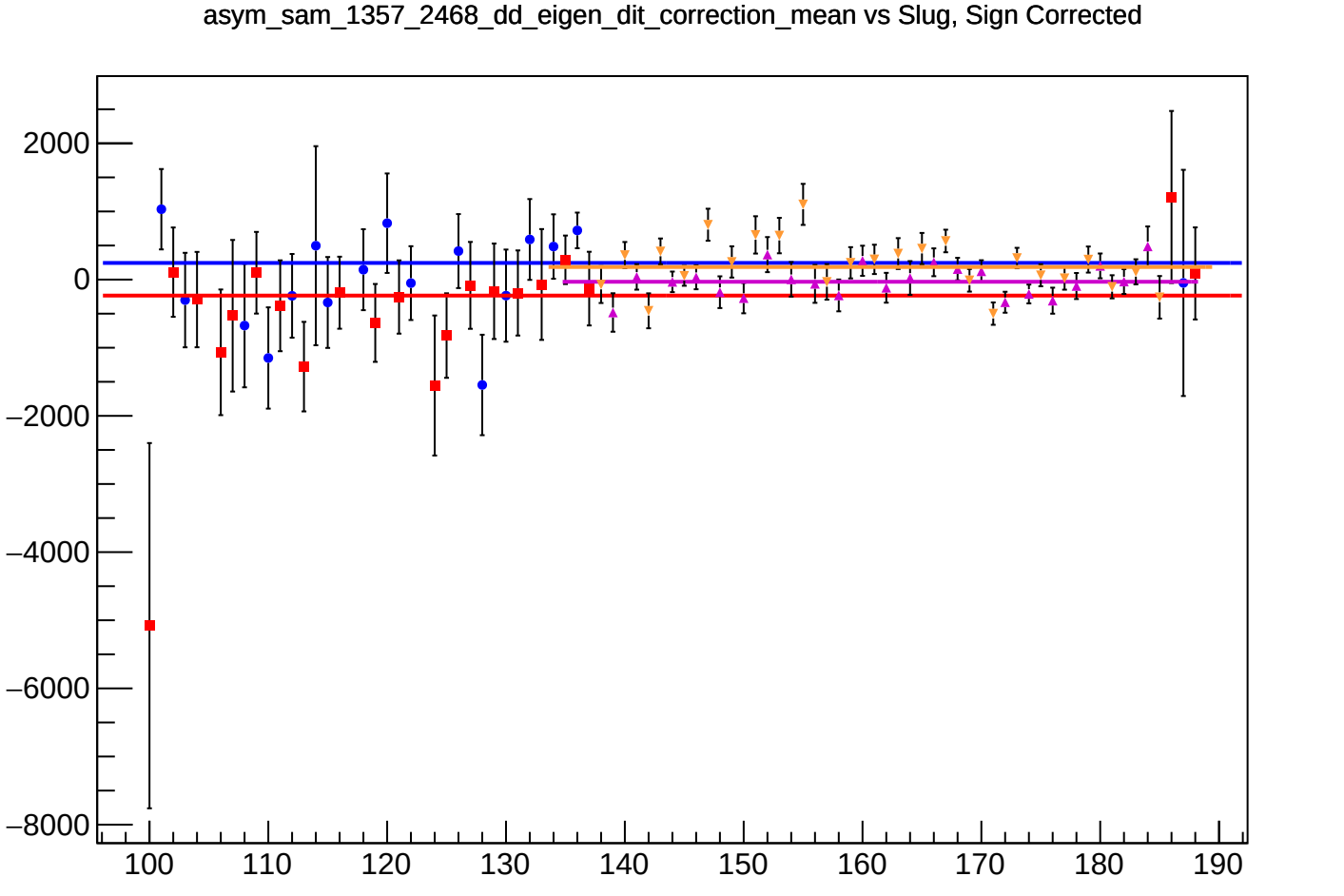
Left: 27.039+/-0.003 χ^2/NDF: 2474889.1/47

Right: 35.841+/-0.007 χ^2/NDF: 2032194.3/37

In: 28.595+/-0.004 χ^2/NDF:2301769.2/39

Out: 28.885+/-0.004 χ^2/NDF:3658492.8/45

All: 28.744+/-0.003 χ^2/NDF: 5962783.5/85



Right In: 244.410+/-139.776 χ^2/NDF: 19.8/16

Left Out: 184.674+/-39.832 χ^2/NDF:67.7/24

Right Out: -234.719+/-141.157 χ^2/NDF: 14.2/20

Left In: -31.891+/-40.975 χ^2/NDF:26.4/22

Left: 79.454+/-28.561 χ^2/NDF: 108.4/47

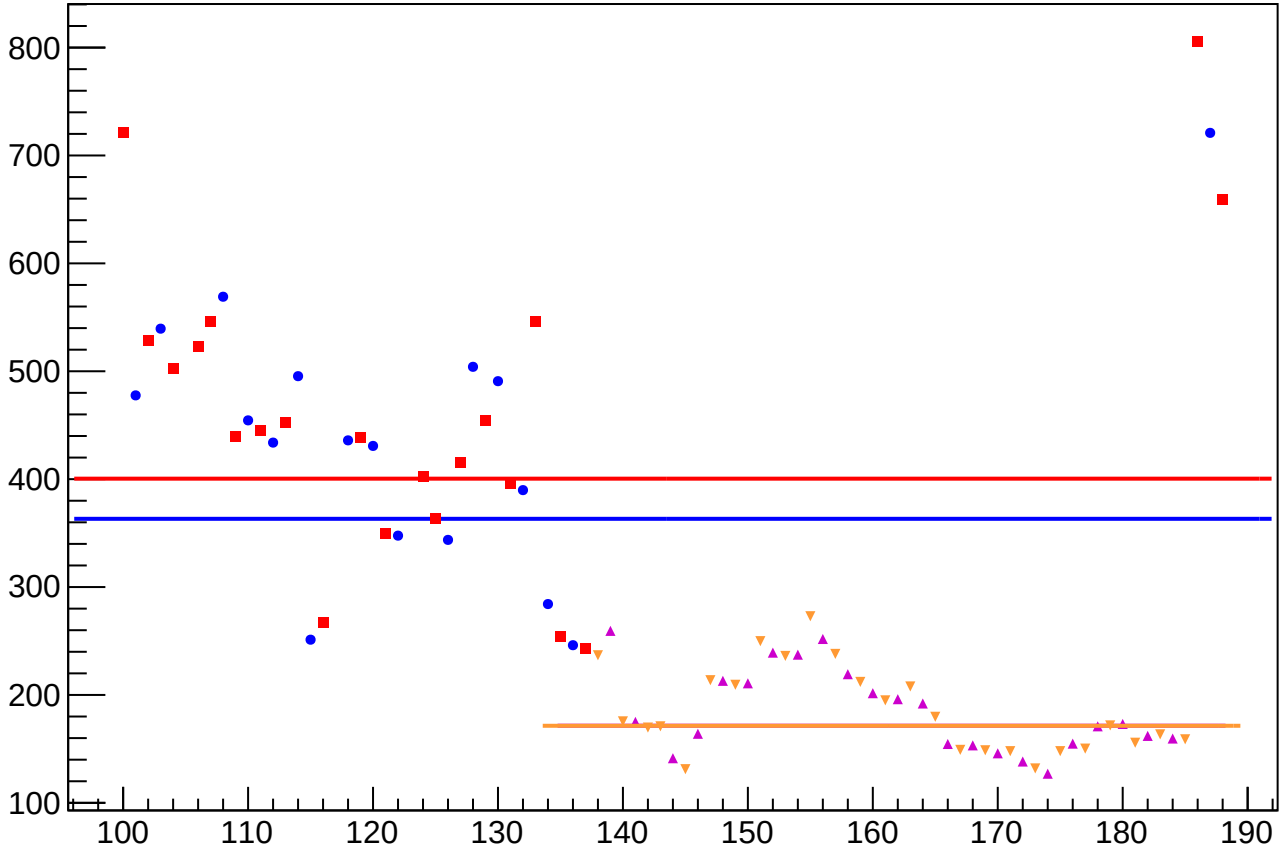
Right: 7.201+/-99.321 χ^2/NDF: 39.8/37

In: -10.026+/-39.320 χ^2/NDF:49.8/39

Out: 153.742+/-38.335 χ^2/NDF:90.1/45

All: 73.936+/-27.449 χ^2/NDF: 148.8/85

asym_sam_1357_2468_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 363.246+/-0.099 χ^2/NDF: 1186307.6/16

Left Out: 171.426+/-0.028 χ^2/NDF:1526868.9/24

Right Out: 400.460+/-0.100 χ^2/NDF: 1490706.6/20

Left In: 171.489+/-0.029 χ^2/NDF:1415782.1/22

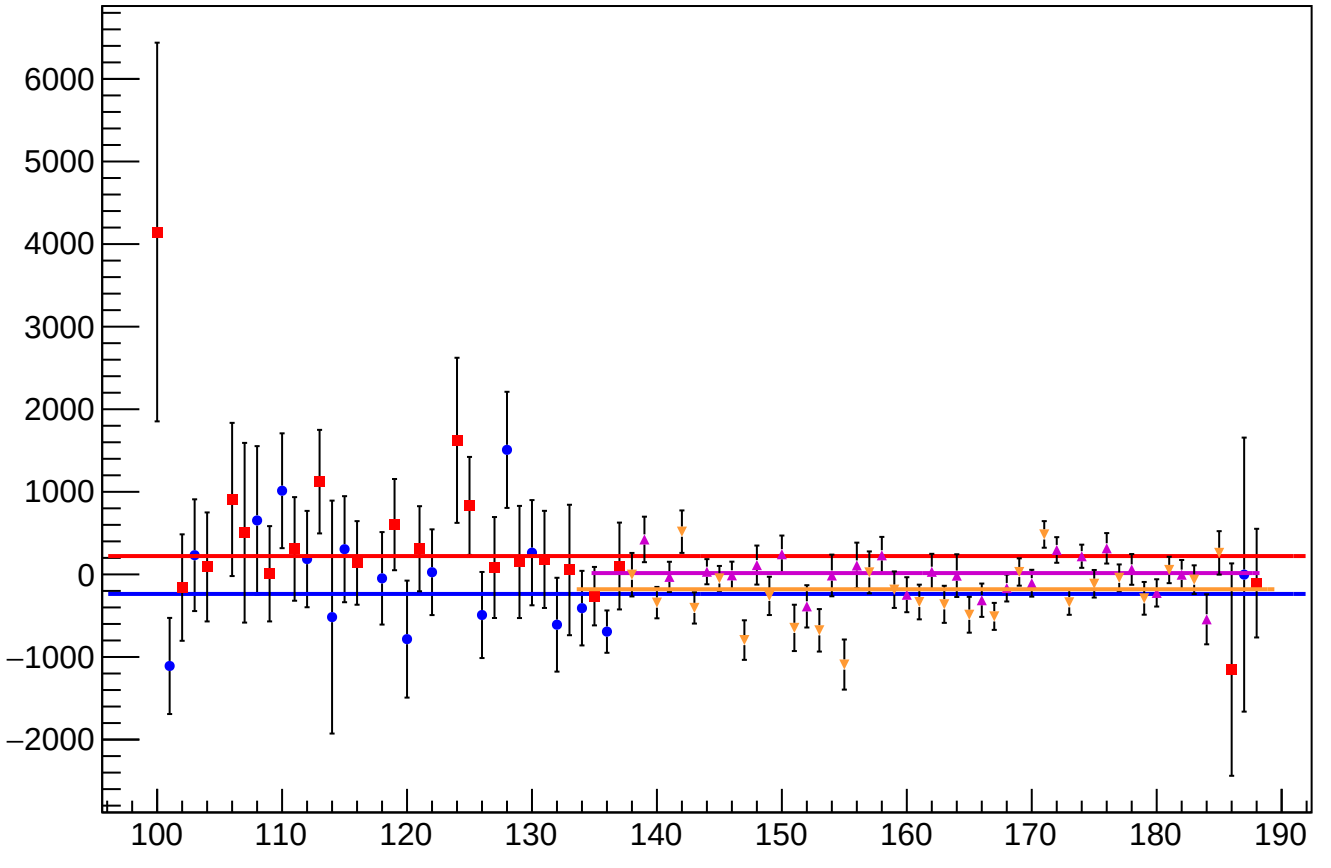
Left: 171.457+/-0.020 χ^2/NDF: 2942653.5/47

Right: 381.670+/-0.070 χ^2/NDF: 2747200.3/37

In: 186.664+/-0.028 χ^2/NDF:6068363.7/39

Out: 188.318+/-0.027 χ^2/NDF:7894539.7/45

All: 187.512+/-0.019 χ^2/NDF: 13964718.8/85



Right In: -236.487+/-134.901 χ^2/NDF: 20.0/16

Left Out: -179.656+/-39.364 χ^2/NDF:67.1/24

Right Out: 222.128+/-136.546 χ^2/NDF: 13.1/20

Left In: 16.057+/-40.396 χ^2/NDF:26.6/22

Left: -84.333+/-28.192 χ^2/NDF: 105.8/47

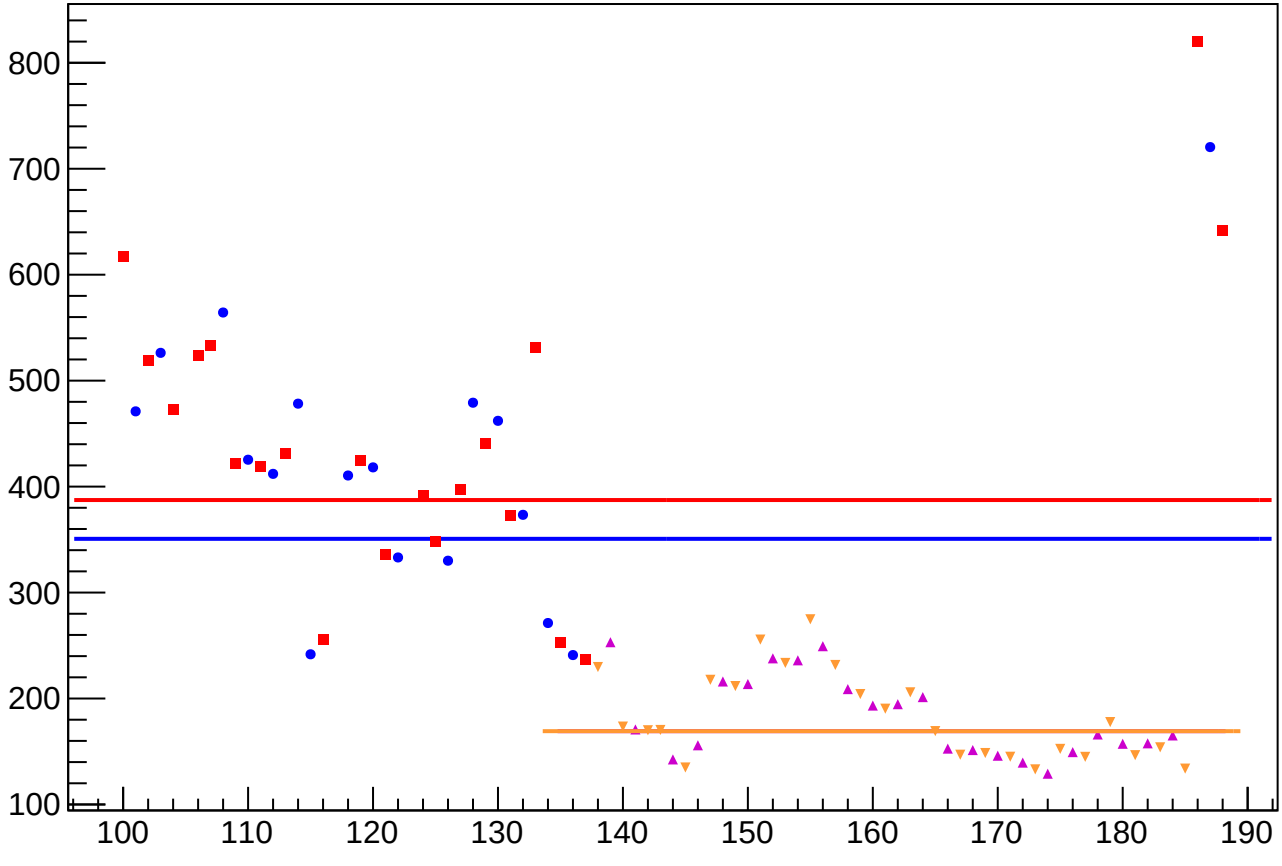
Right: -9.958+/-95.966 χ^2/NDF: 38.8/37

In: -4.725+/-38.698 χ^2/NDF:49.8/39

Out: -148.827+/-37.823 χ^2/NDF:88.2/45

All: -78.424+/-27.049 χ^2/NDF: 145.1/85

asym_sam_1357_2468_dd_rms vs Slug, Sign Corrected



Right In: 350.713+/-0.095 χ^2/NDF: 1156784.5/16

Left Out: 169.182+/-0.028 χ^2/NDF:1547748.9/24

Right Out: 387.321+/-0.097 χ^2/NDF: 1471262.9/20

Left In: 169.187+/-0.029 χ^2/NDF:1374439.5/22

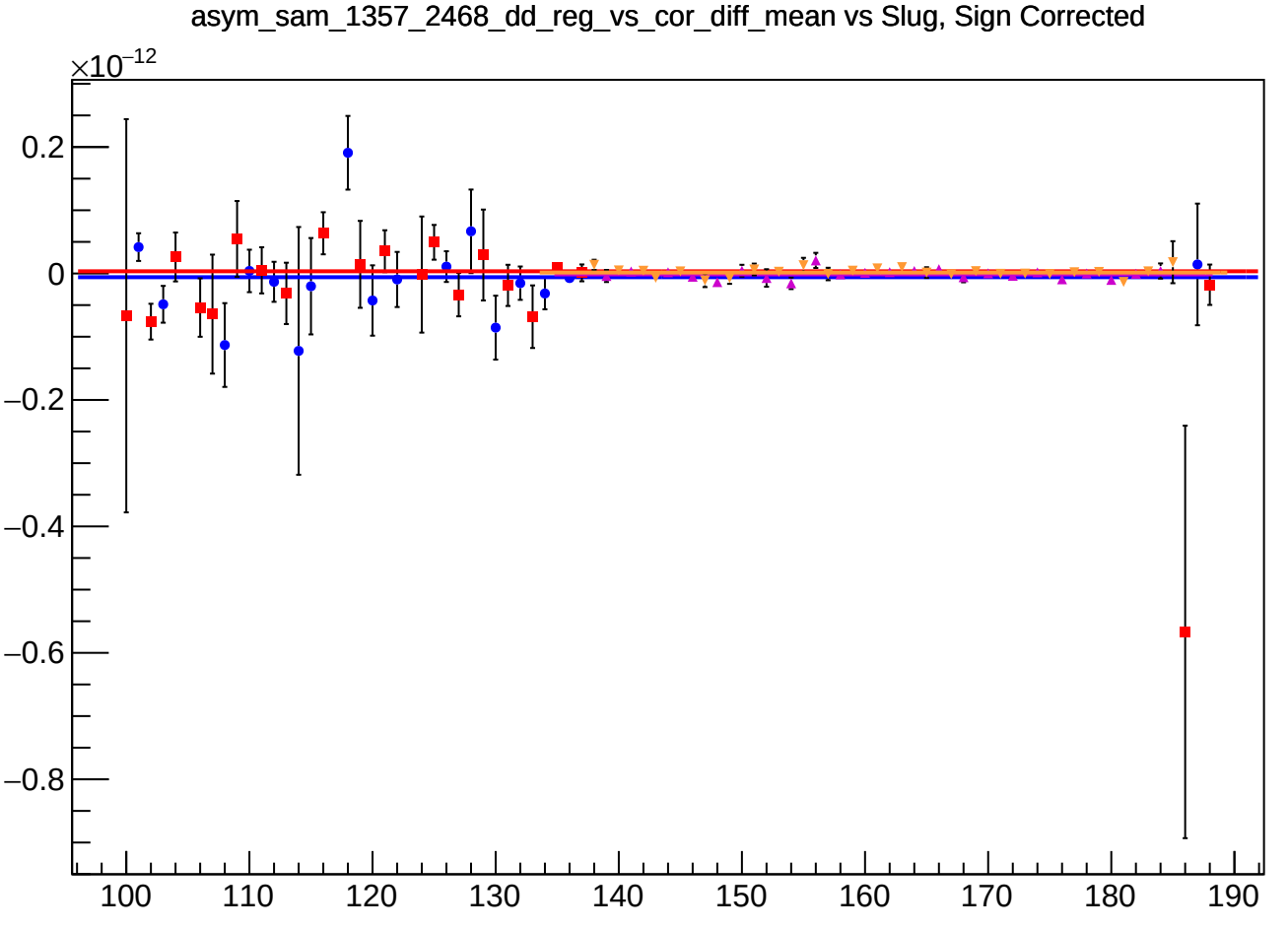
Left: 169.184+/-0.020 χ^2/NDF: 2922188.4/47

Right: 368.795+/-0.068 χ^2/NDF: 2700797.9/37

In: 184.125+/-0.027 χ^2/NDF:5854621.3/39

Out: 185.919+/-0.027 χ^2/NDF:7731735.3/45

All: 185.043+/-0.019 χ^2/NDF: 13588555.7/85



Right In: -0.000+/-0.000 χ^2/NDF: 27.3/16

Left Out: 0.000+/-0.000 χ^2/NDF:18.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 26.5/20

Left In: -0.000+/-0.000 χ^2/NDF:19.7/22

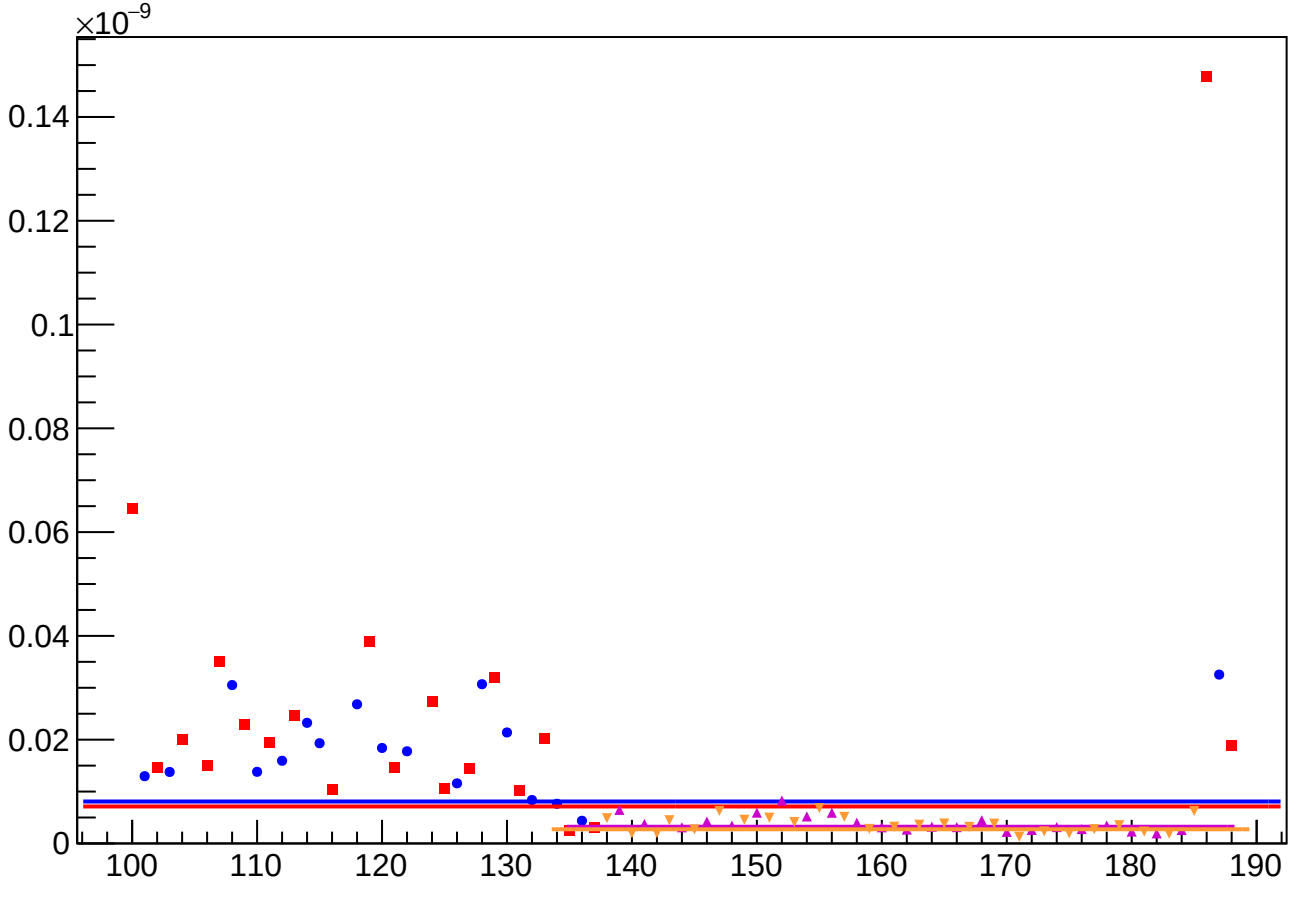
Left: 0.000+/-0.000 χ^2/NDF: 41.2/47

Right: -0.000+/-0.000 χ^2/NDF: 55.2/37

In: -0.000+/-0.000 χ^2/NDF:47.6/39

Out: 0.000+/-0.000 χ^2/NDF:45.4/45

All: 0.000+/-0.000 χ^2/NDF: 96.5/85



Right In: 0.000+/-0.000 χ^2/NDF: 2079442.2/16

Left Out: 0.000+/-0.000 χ^2/NDF:1923193.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4033689.6/20

Left In: 0.000+/-0.000 χ^2/NDF:1355602.1/22

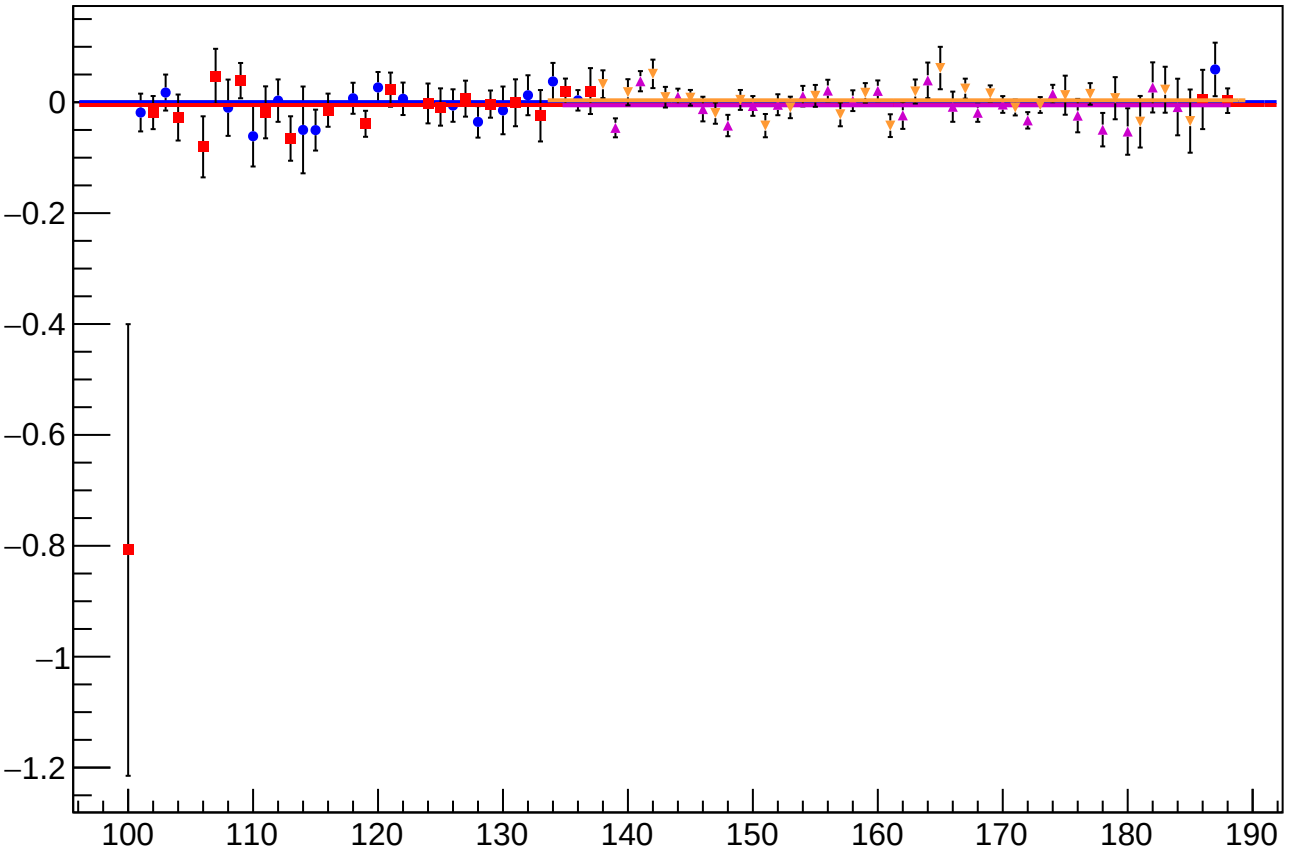
Left: 0.000+/-0.000 χ^2/NDF: 3427530.5/47

Right: 0.000+/-0.000 χ^2/NDF: 6142500.5/37

In: 0.000+/-0.000 χ^2/NDF:4825816.8/39

Out: 0.000+/-0.000 χ^2/NDF:7189275.8/45

All: 0.000+/-0.000 χ^2/NDF: 12216568.8/85



Right In: 0.000+/-0.008 χ^2/NDF: 9.8/16

Left Out: 0.003+/-0.004 χ^2/NDF:26.9/24

Right Out: -0.005+/-0.007 χ^2/NDF: 16.4/20

Left In: -0.005+/-0.004 χ^2/NDF:33.2/22

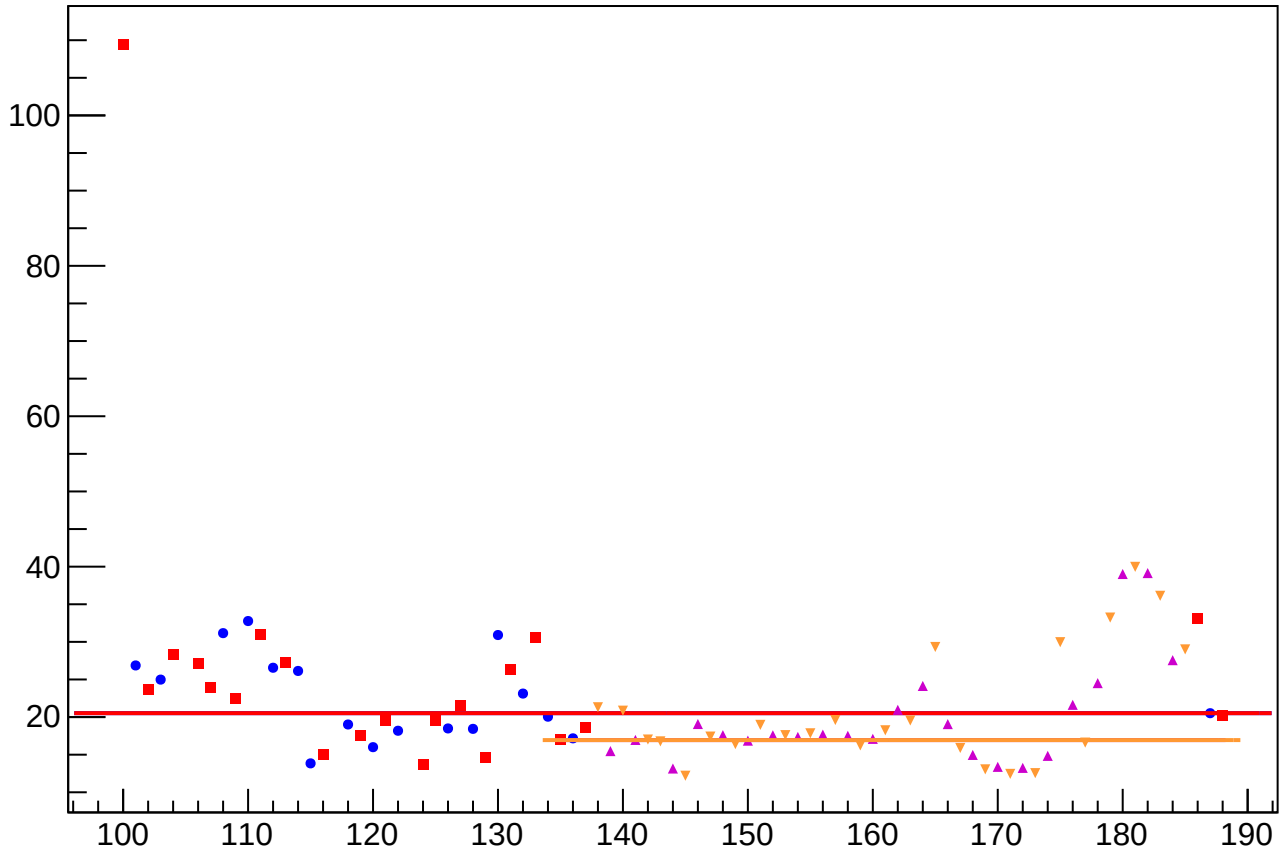
Left: -0.001+/-0.003 χ^2/NDF: 62.5/47

Right: -0.003+/-0.005 χ^2/NDF: 26.4/37

In: -0.004+/-0.004 χ^2/NDF:43.4/39

Out: 0.001+/-0.004 χ^2/NDF:44.4/45

All: -0.001+/-0.003 χ^2/NDF: 89.0/85



Right In: 20.522+/-0.006 χ^2/NDF: 705998.4/16

Left Out: 16.939+/-0.003 χ^2/NDF:2836877.8/24

Right Out: 20.519+/-0.005 χ^2/NDF: 977624.9/20

Left In: 16.943+/-0.003 χ^2/NDF:1941845.2/22

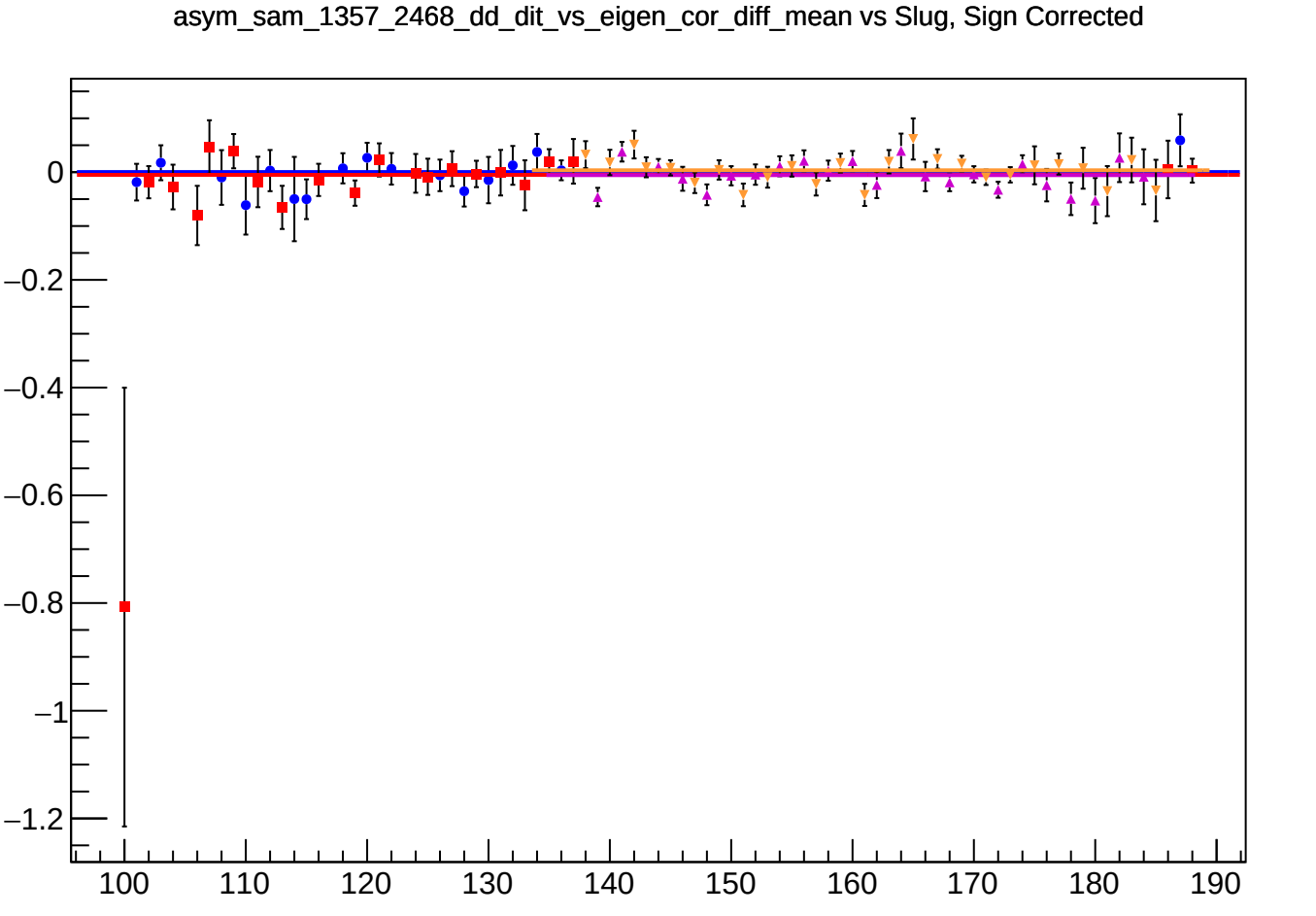
Left: 16.941+/-0.002 χ^2/NDF: 4778723.9/47

Right: 20.520+/-0.004 χ^2/NDF: 1683623.4/37

In: 17.721+/-0.003 χ^2/NDF:2964952.9/39

Out: 17.784+/-0.003 χ^2/NDF:4176279.6/45

All: 17.754+/-0.002 χ^2/NDF: 7141533.0/85



Right In: 0.000+/-0.008 χ^2/NDF: 9.8/16

Left Out: 0.003+/-0.004 χ^2/NDF:26.9/24

Right Out: -0.005+/-0.007 χ^2/NDF: 16.4/20

Left In: -0.005+/-0.004 χ^2/NDF:33.2/22

Left: -0.001+/-0.003 χ^2/NDF: 62.5/47

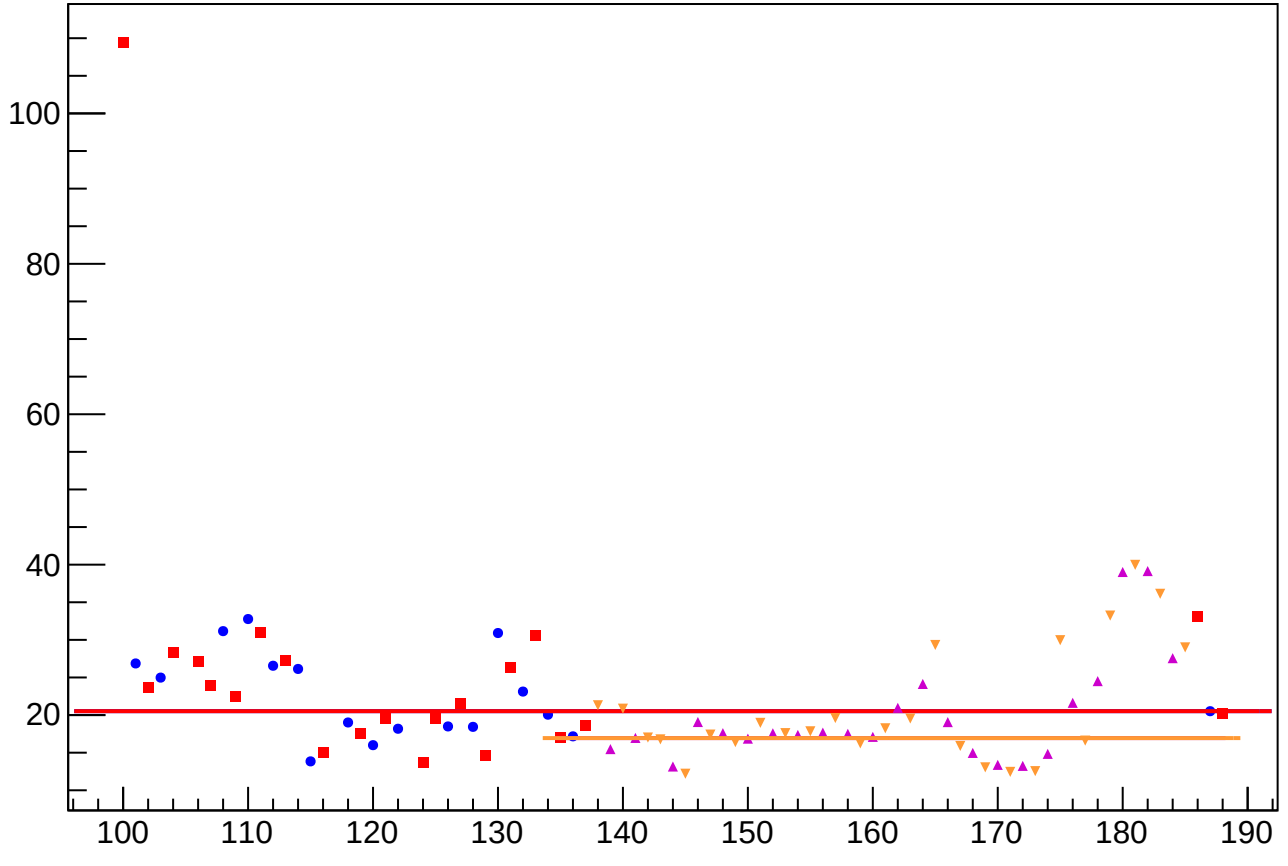
Right: -0.003+/-0.005 χ^2/NDF: 26.4/37

In: -0.004+/-0.004 χ^2/NDF:43.4/39

Out: 0.001+/-0.004 χ^2/NDF:44.4/45

All: -0.001+/-0.003 χ^2/NDF: 89.0/85

asym_sam_1357_2468_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 20.522+/-0.006 χ^2/NDF: 705998.4/16

Left Out: 16.939+/-0.003 χ^2/NDF:2836877.8/24

Right Out: 20.519+/-0.005 χ^2/NDF: 977624.9/20

Left In: 16.943+/-0.003 χ^2/NDF:1941845.2/22

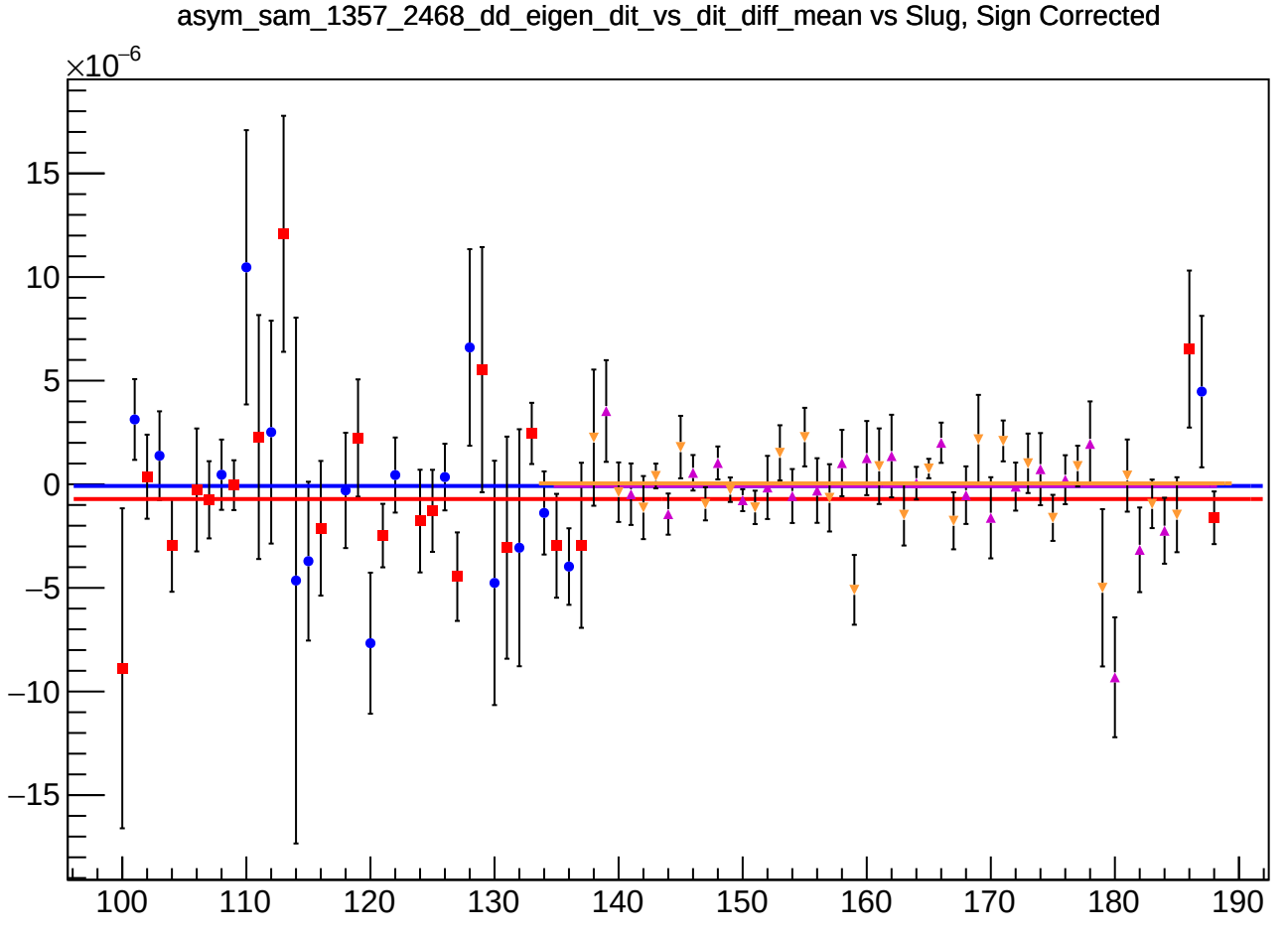
Left: 16.941+/-0.002 χ^2/NDF: 4778723.9/47

Right: 20.520+/-0.004 χ^2/NDF: 1683623.4/37

In: 17.721+/-0.003 χ^2/NDF:2964952.9/39

Out: 17.784+/-0.003 χ^2/NDF:4176279.6/45

All: 17.754+/-0.002 χ^2/NDF: 7141533.0/85



Right In: -0.000+/-0.000 χ^2/NDF: 21.5/16

Left Out: 0.000+/-0.000 χ^2/NDF:37.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 25.2/20

Left In: -0.000+/-0.000 χ^2/NDF:31.0/22

Left: -0.000+/-0.000 χ^2/NDF: 68.3/47

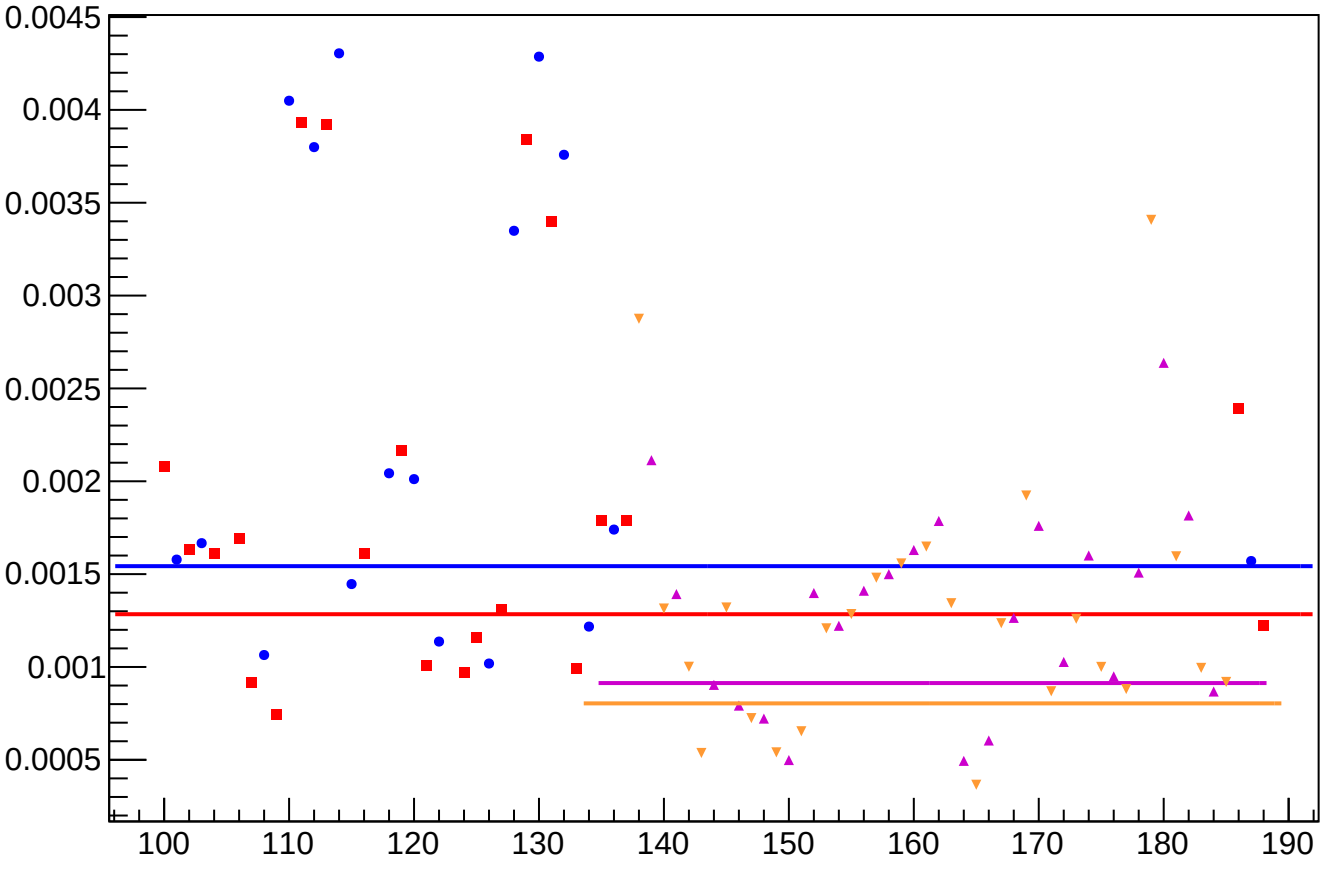
Right: -0.000+/-0.000 χ^2/NDF: 47.3/37

In: -0.000+/-0.000 χ^2/NDF:52.5/39

Out: -0.000+/-0.000 χ^2/NDF:64.4/45

All: -0.000+/-0.000 χ^2/NDF: 116.9/85

asym_sam_1357_2468_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 2416922.7/16

Left Out: 0.001+/-0.000 χ^2/NDF:8261261.7/24

Right Out: 0.001+/-0.000 χ^2/NDF: 2844542.4/20

Left In: 0.001+/-0.000 χ^2/NDF:6446479.8/22

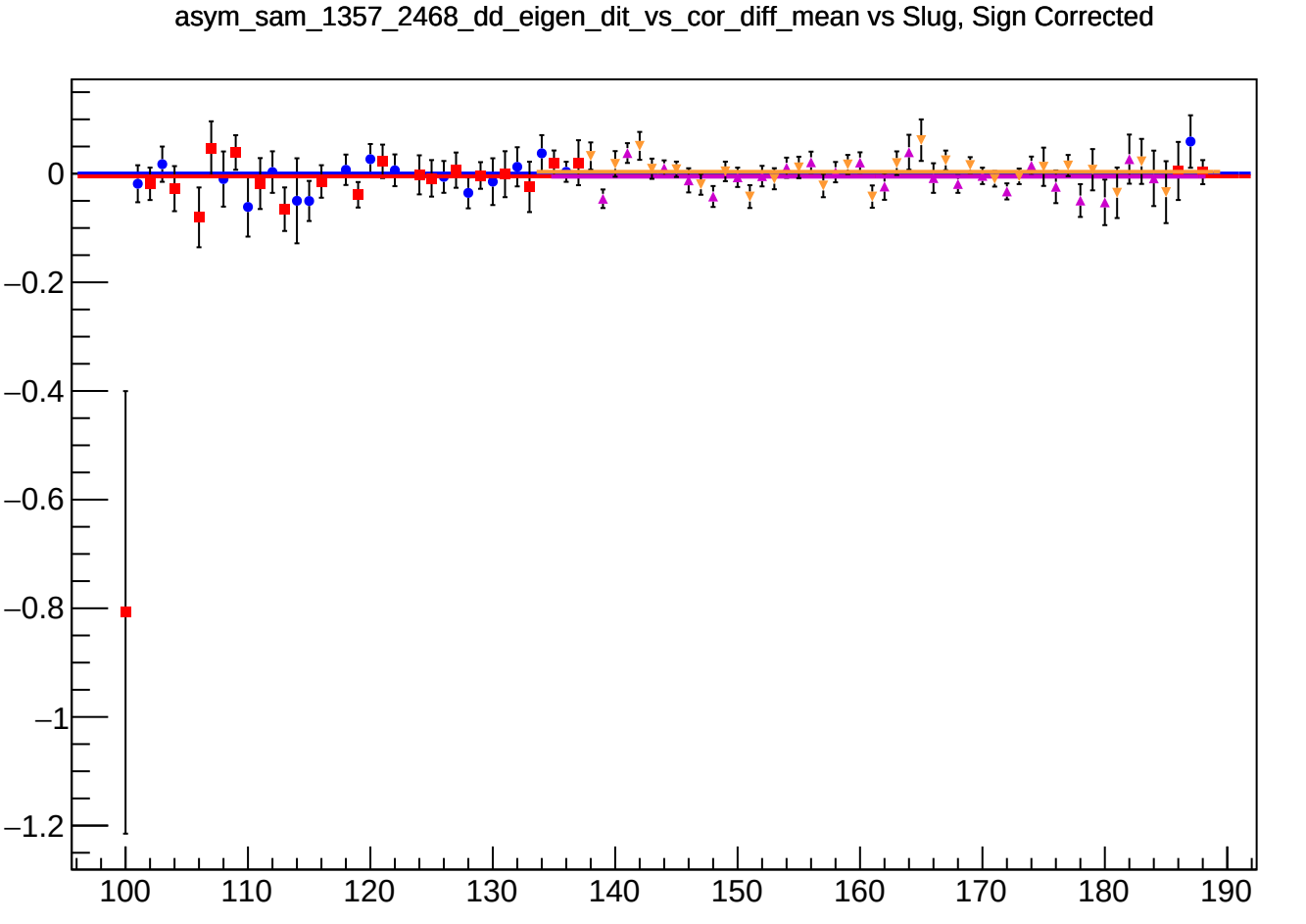
Left: 0.001+/-0.000 χ^2/NDF: 14939708.4/47

Right: 0.001+/-0.000 χ^2/NDF: 5478428.4/37

In: 0.001+/-0.000 χ^2/NDF:10641250.6/39

Out: 0.001+/-0.000 χ^2/NDF:12784506.8/45

All: 0.001+/-0.000 χ^2/NDF: 23736253.5/85



Right In: 0.000+/-0.008 χ^2/NDF: 9.8/16

Left Out: 0.003+/-0.004 χ^2/NDF:26.9/24

Right Out: -0.005+/-0.007 χ^2/NDF: 16.4/20

Left In: -0.005+/-0.004 χ^2/NDF:33.2/22

Left: -0.001+/-0.003 χ^2/NDF: 62.5/47

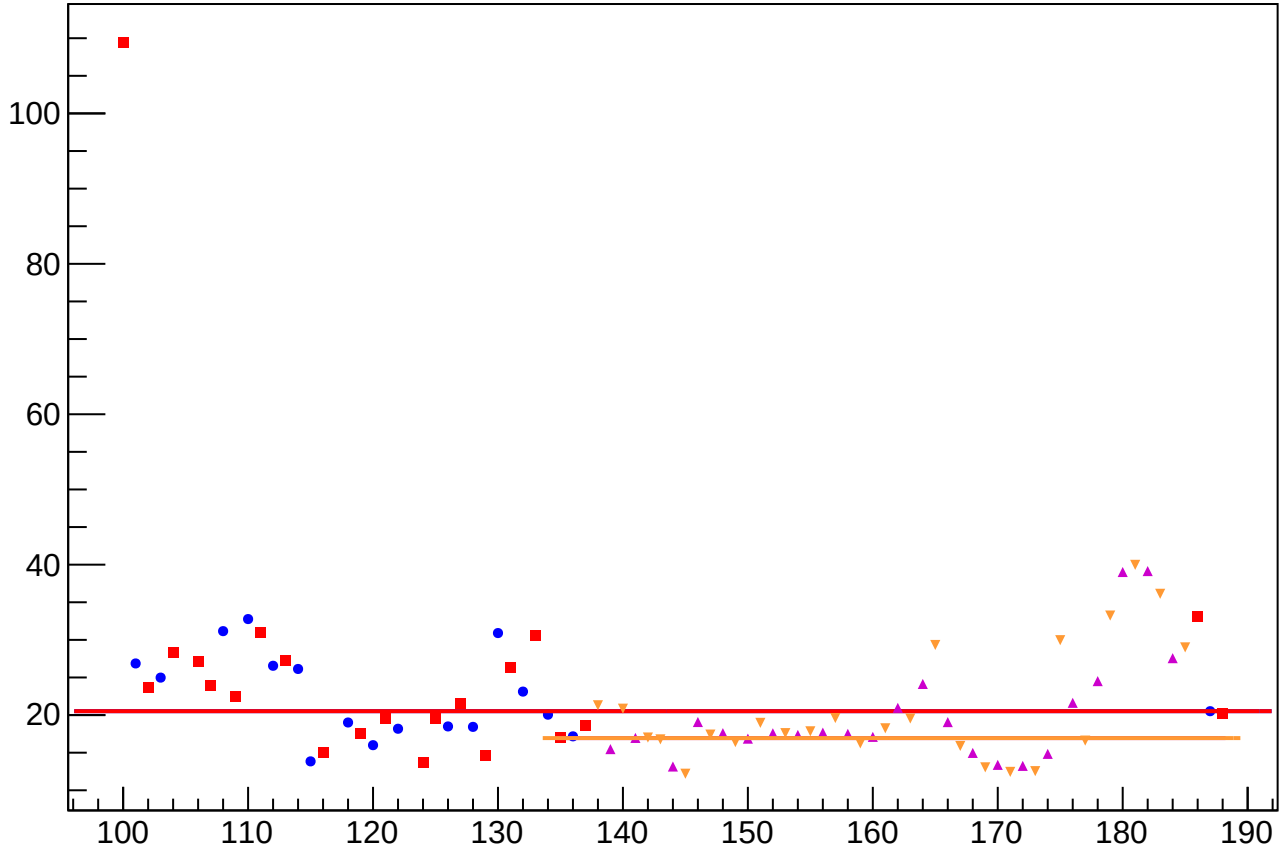
Right: -0.003+/-0.005 χ^2/NDF: 26.4/37

In: -0.004+/-0.004 χ^2/NDF:43.4/39

Out: 0.001+/-0.004 χ^2/NDF:44.4/45

All: -0.001+/-0.003 χ^2/NDF: 89.0/85

asym_sam_1357_2468_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 20.521+/-0.006 χ^2/NDF: 705877.0/16

Left Out: 16.939+/-0.003 χ^2/NDF:2836863.1/24

Right Out: 20.519+/-0.005 χ^2/NDF: 977646.7/20

Left In: 16.943+/-0.003 χ^2/NDF:1941834.9/22

Left: 16.941+/-0.002 χ^2/NDF: 4778698.8/47

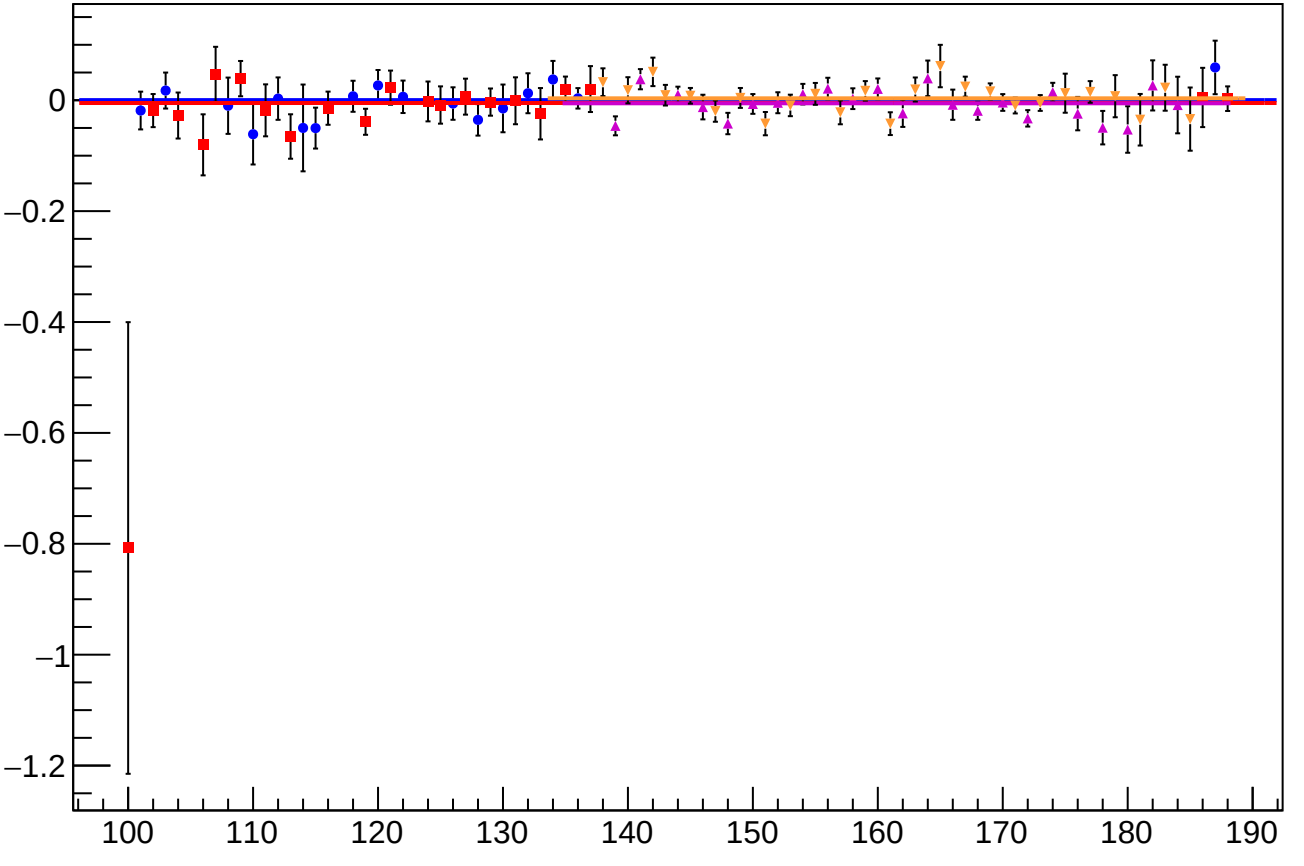
Right: 20.520+/-0.004 χ^2/NDF: 1683523.8/37

In: 17.721+/-0.003 χ^2/NDF:2964717.5/39

Out: 17.784+/-0.003 χ^2/NDF:4176143.5/45

All: 17.754+/-0.002 χ^2/NDF: 7141161.8/85

asym_sam_1357_2468_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.008 χ^2/NDF: 9.8/16

Left Out: 0.003+/-0.004 χ^2/NDF:26.9/24

Right Out: -0.005+/-0.007 χ^2/NDF: 16.4/20

Left In: -0.005+/-0.004 χ^2/NDF:33.2/22

Left: -0.001+/-0.003 χ^2/NDF: 62.5/47

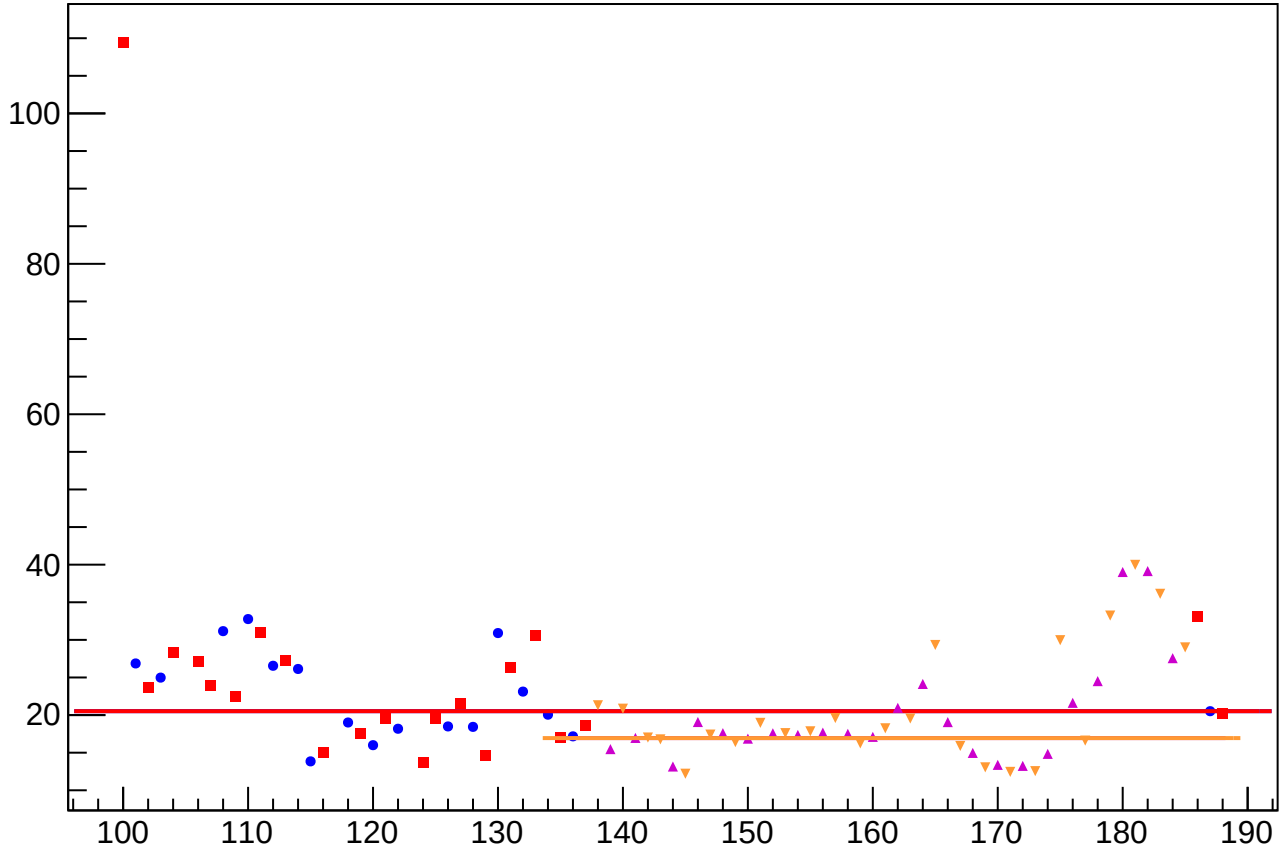
Right: -0.003+/-0.005 χ^2/NDF: 26.4/37

In: -0.004+/-0.004 χ^2/NDF:43.4/39

Out: 0.001+/-0.004 χ^2/NDF:44.4/45

All: -0.001+/-0.003 χ^2/NDF: 89.0/85

asym_sam_1357_2468_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 20.521+/-0.006 χ^2/NDF: 705877.0/16

Left Out: 16.939+/-0.003 χ^2/NDF:2836863.1/24

Right Out: 20.519+/-0.005 χ^2/NDF: 977646.7/20

Left In: 16.943+/-0.003 χ^2/NDF:1941834.9/22

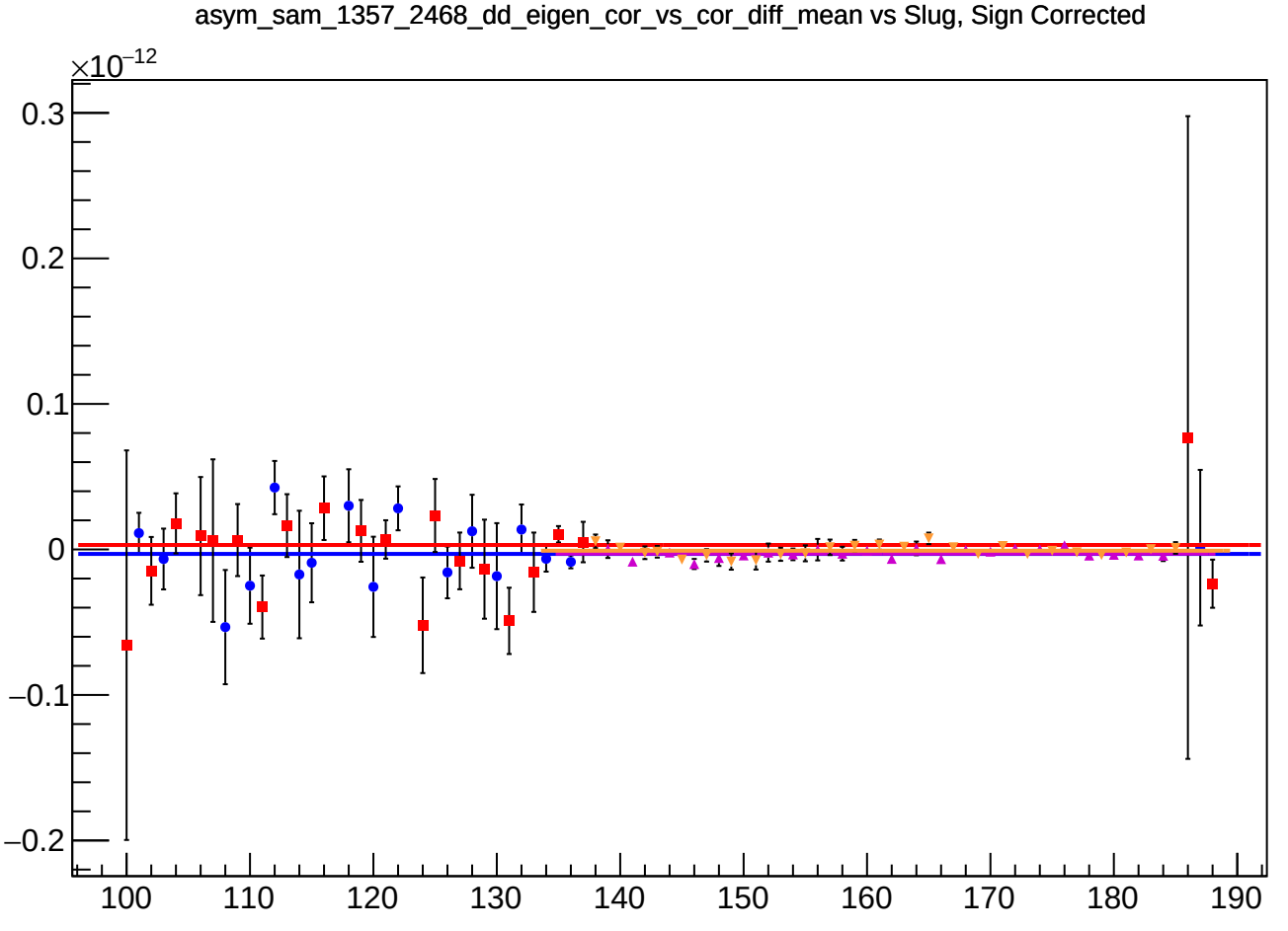
Left: 16.941+/-0.002 χ^2/NDF: 4778698.8/47

Right: 20.520+/-0.004 χ^2/NDF: 1683523.8/37

In: 17.721+/-0.003 χ^2/NDF:2964717.5/39

Out: 17.784+/-0.003 χ^2/NDF:4176143.5/45

All: 17.754+/-0.002 χ^2/NDF: 7141161.8/85



Right In: -0.000+/-0.000 χ^2/NDF: 20.0/16

Left Out: -0.000+/-0.000 χ^2/NDF:23.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 21.4/20

Left In: -0.000+/-0.000 χ^2/NDF:23.1/22

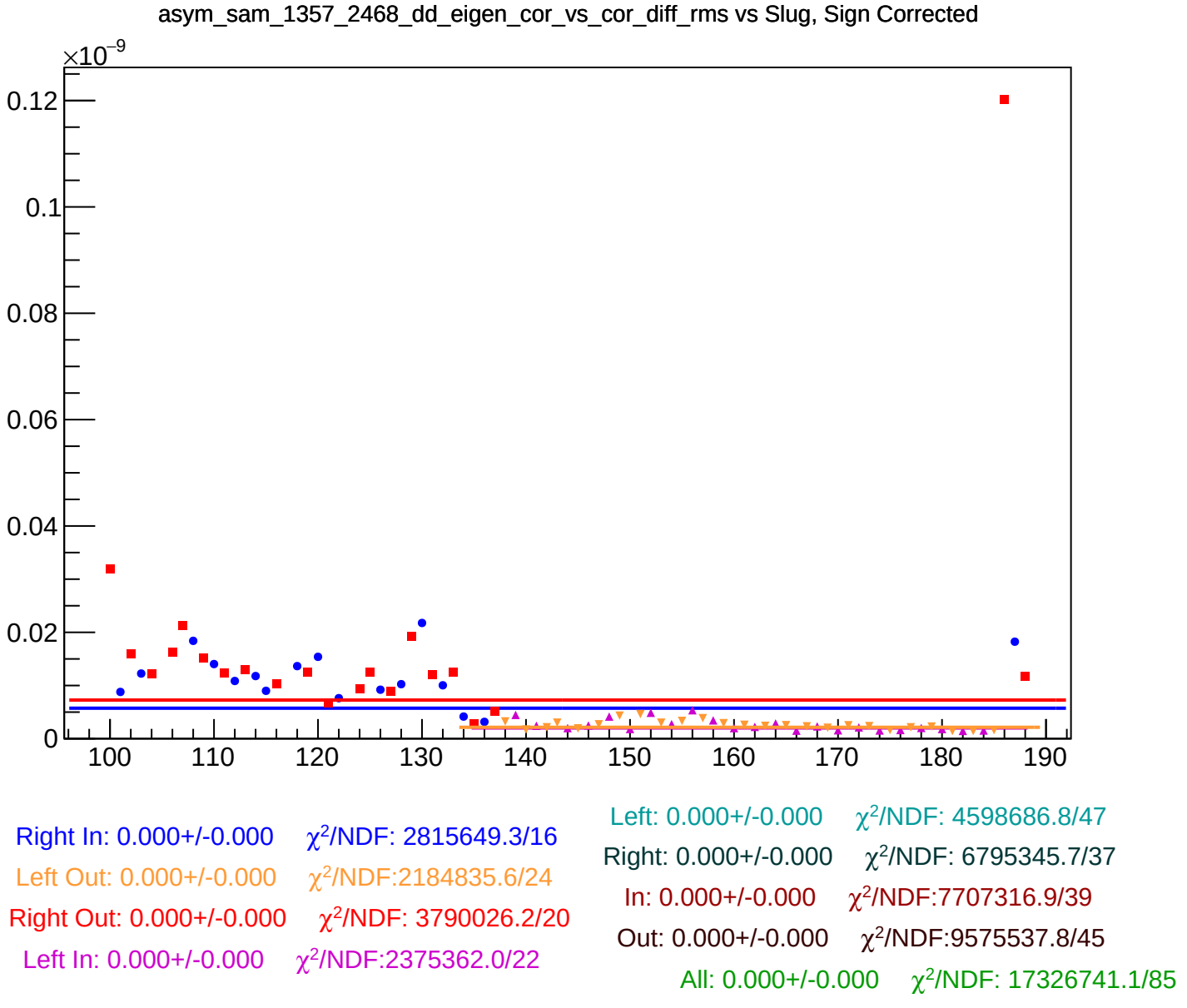
Left: -0.000+/-0.000 χ^2/NDF: 51.6/47

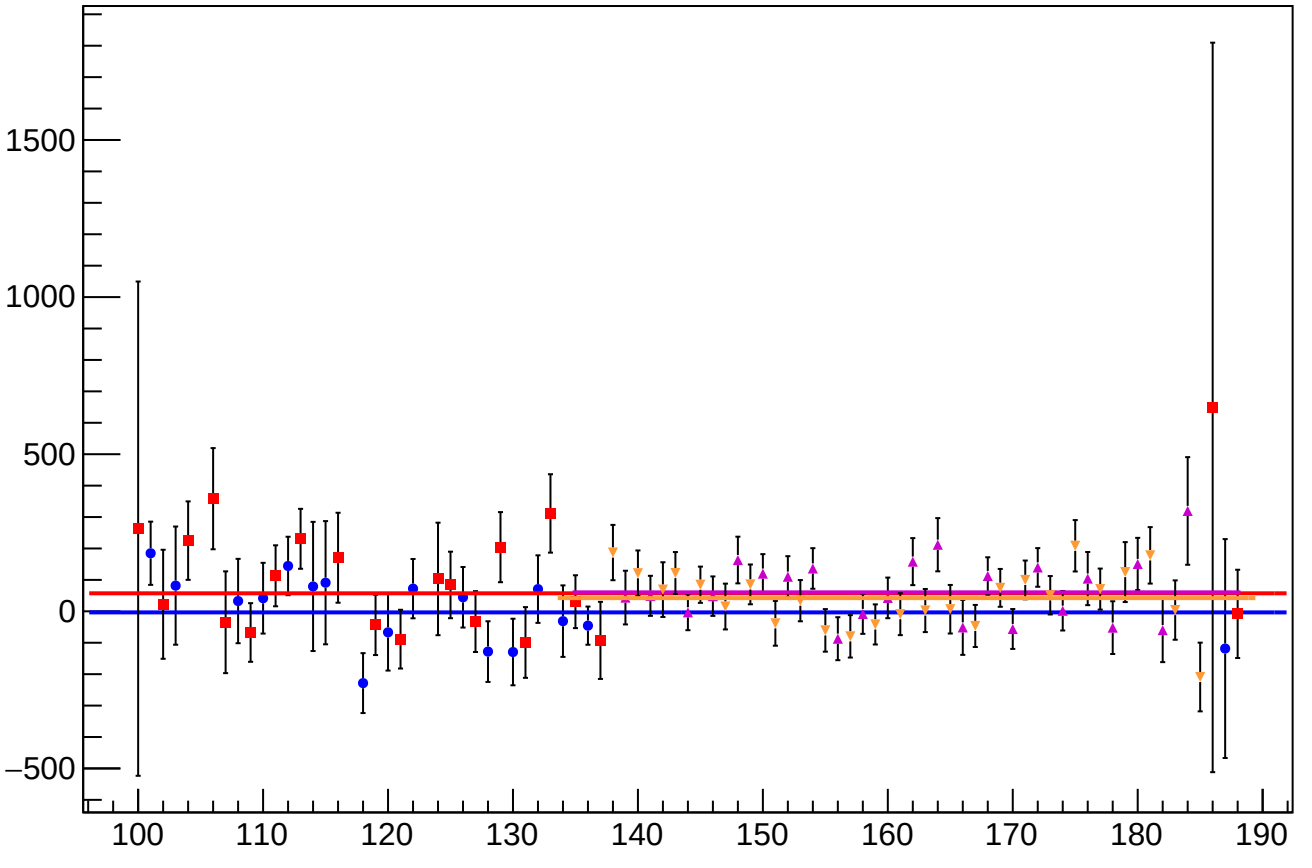
Right: -0.000+/-0.000 χ^2/NDF: 42.9/37

In: -0.000+/-0.000 χ^2/NDF:43.1/39

Out: -0.000+/-0.000 χ^2/NDF:46.1/45

All: -0.000+/-0.000 χ^2/NDF: 94.9/85


asym_sam_1357_2468_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
170
180
190
Right In: 0.000+/-0.000 χ²/NDF: 2815649.3/16
Left Out: 0.000+/-0.000 χ²/NDF:2184835.6/24
Right Out: 0.000+/-0.000 χ²/NDF: 3790026.2/20
Left In: 0.000+/-0.000 χ²/NDF:2375362.0/22
Left: 0.000+/-0.000 χ²/NDF: 4598686.8/47
Right: 0.000+/-0.000 χ²/NDF: 6795345.7/37
In: 0.000+/-0.000 χ²/NDF:7707316.9/39
Out: 0.000+/-0.000 χ²/NDF:9575537.8/45
All: 0.000+/-0.000 χ²/NDF: 17326741.1/85



Right In: -3.418+/-26.139 χ^2/NDF: 17.8/16

Left Out: 42.012+/-14.181 χ^2/NDF:32.0/24

Right Out: 57.344+/-25.923 χ^2/NDF: 26.2/20

Left In: 60.376+/-14.714 χ^2/NDF:32.2/22

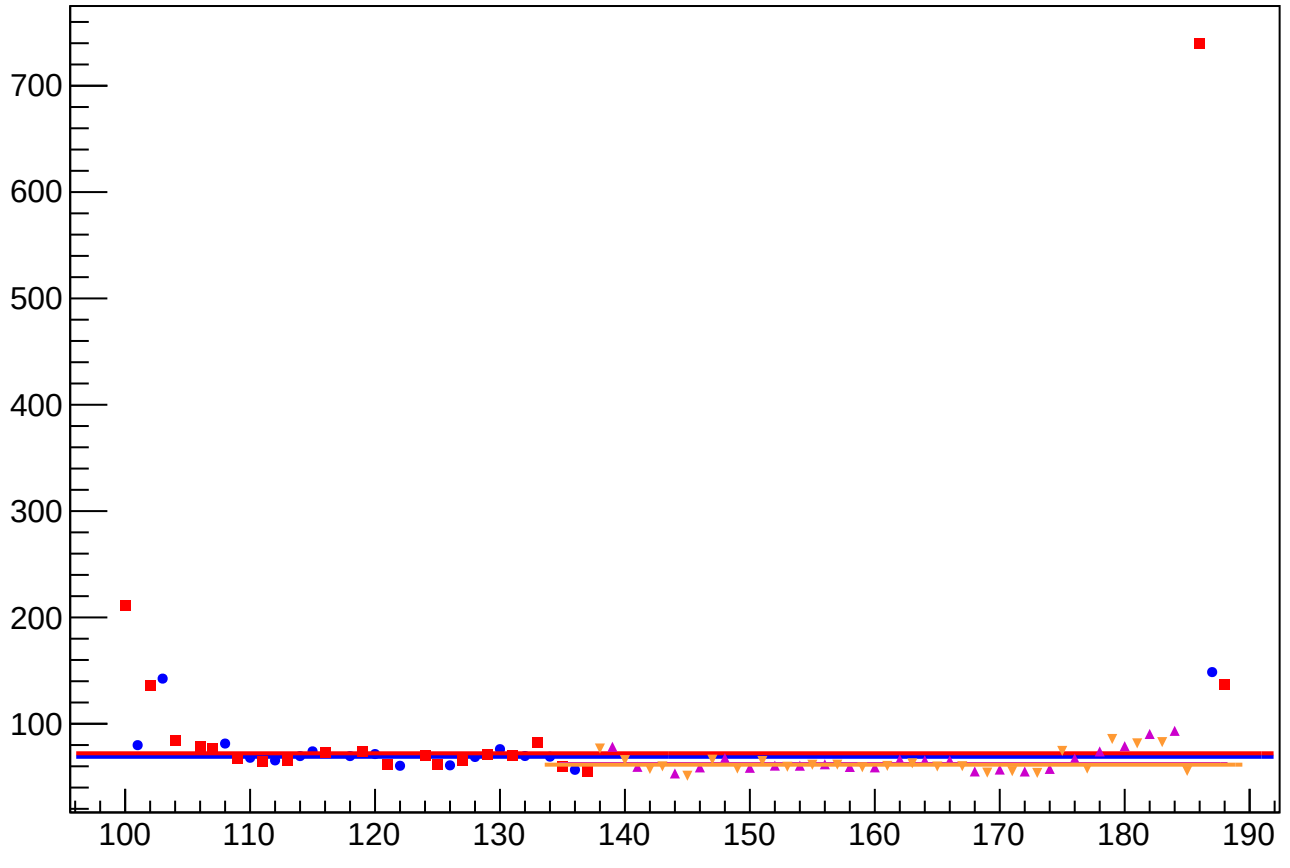
Left: 50.856+/-10.211 χ^2/NDF: 65.0/47

Right: 27.216+/-18.406 χ^2/NDF: 46.7/37

In: 45.027+/-12.822 χ^2/NDF:54.5/39

Out: 45.543+/-12.441 χ^2/NDF:58.5/45

All: 45.293+/-8.929 χ^2/NDF: 113.0/85



Right In: 68.950+/-0.018 χ^2/NDF: 577017.6/16

Left Out: 61.544+/-0.010 χ^2/NDF:637834.8/24

Right Out: 72.246+/-0.018 χ^2/NDF: 1625264.5/20

Left In: 62.144+/-0.010 χ^2/NDF:596754.9/22

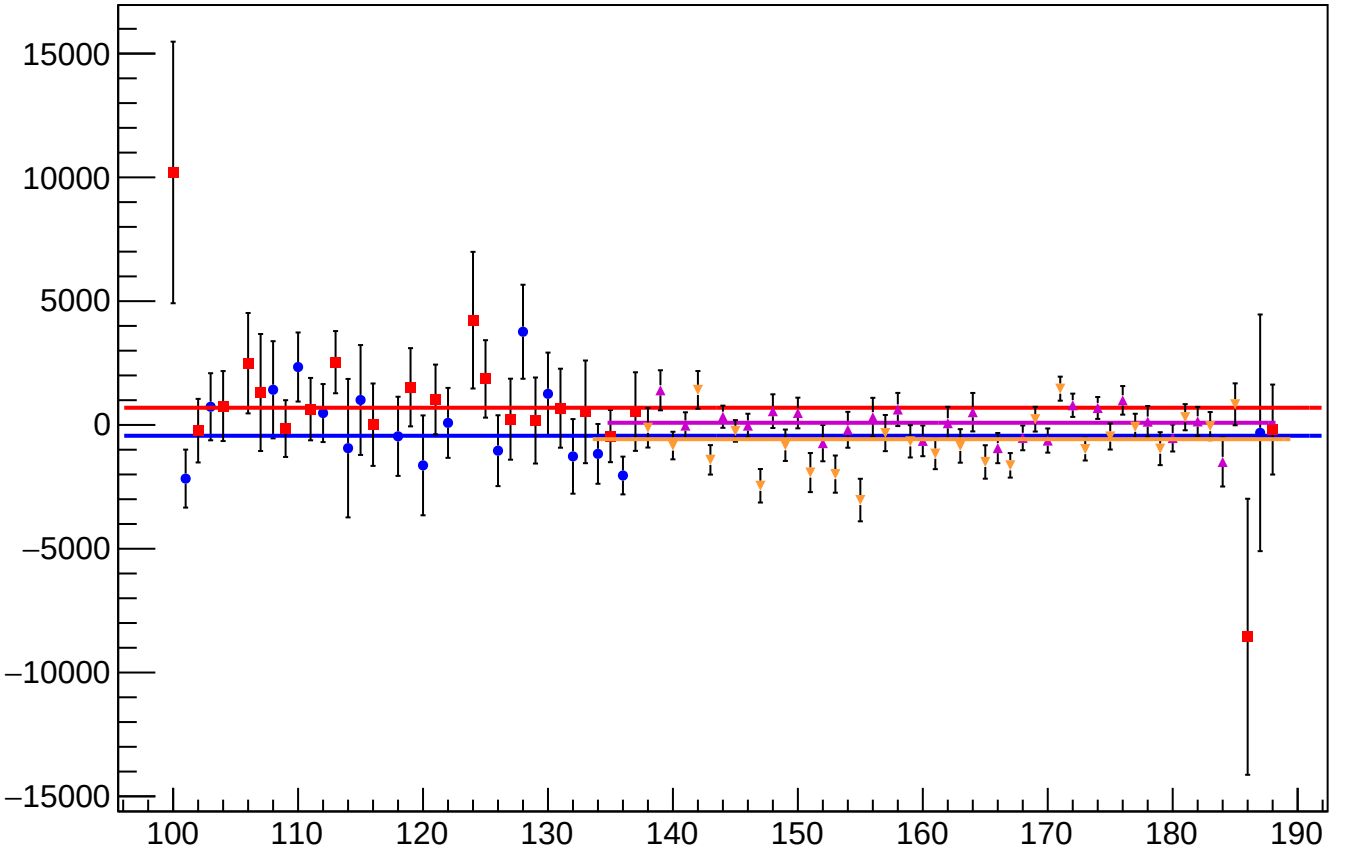
Left: 61.833+/-0.007 χ^2/NDF: 1236316.2/47

Right: 70.611+/-0.013 χ^2/NDF: 2218313.7/37

In: 63.782+/-0.009 χ^2/NDF:1276711.7/39

Out: 64.009+/-0.009 χ^2/NDF:2525436.4/45

All: 63.899+/-0.006 χ^2/NDF: 3802471.4/85



Right In: -436.809+/-347.954 χ^2/NDF: 20.6/16

Left Out: -574.818+/-119.736 χ^2/NDF:68.8/24

Right Out: 694.962+/-345.901 χ^2/NDF: 14.4/20

Left In: 88.334+/-122.492 χ^2/NDF:24.6/22

Left: -250.787+/-85.624 χ^2/NDF: 108.4/47

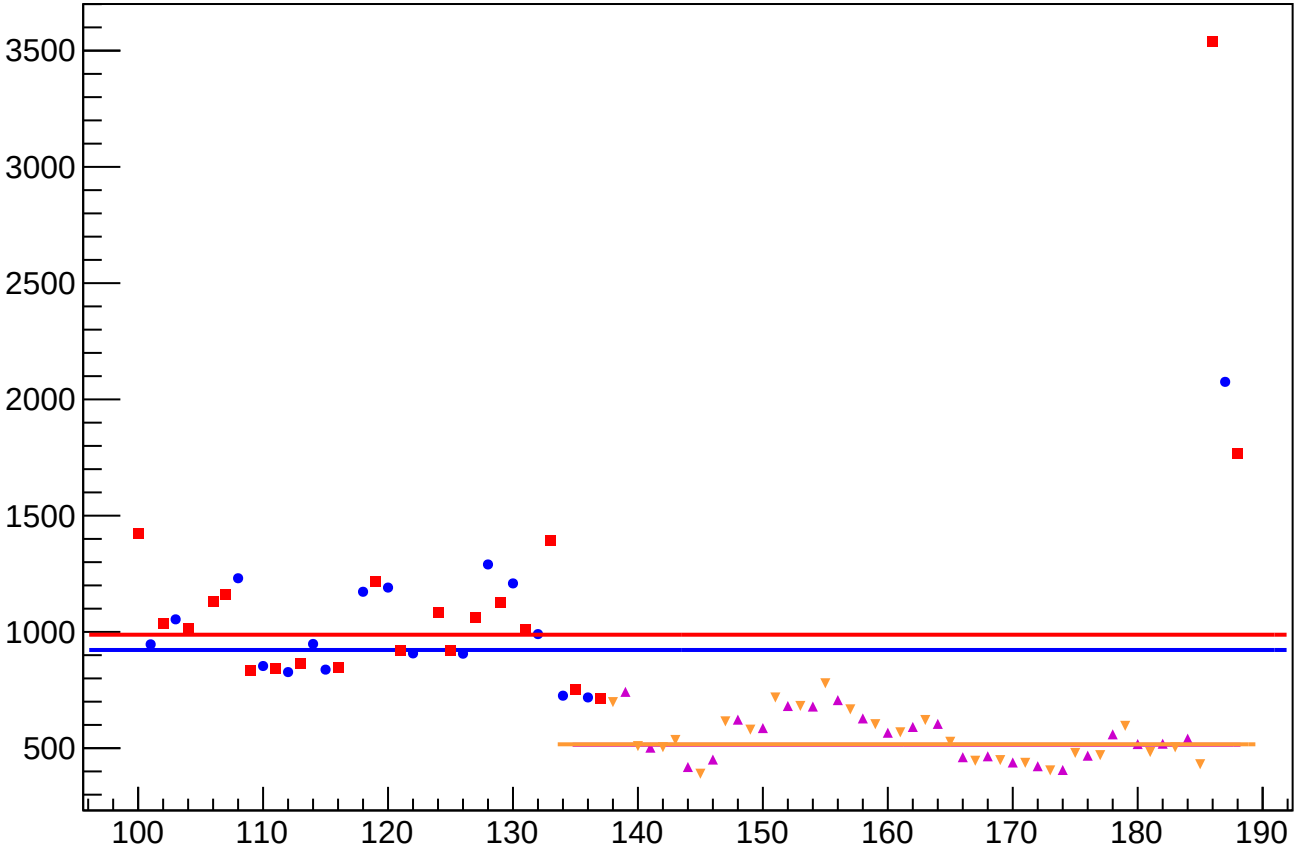
Right: 132.425+/-245.312 χ^2/NDF: 40.2/37

In: 30.429+/-115.542 χ^2/NDF:47.2/39

Out: -438.947+/-113.149 χ^2/NDF:95.2/45

All: -209.170+/-80.841 χ^2/NDF: 150.8/85

asym_sam_12345678_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 922.314+/-0.246 χ^2/NDF: 626161.6/16

Left Out: 516.635+/-0.085 χ^2/NDF:1265161.0/24

Right Out: 987.948+/-0.245 χ^2/NDF: 1228586.9/20

Left In: 514.781+/-0.087 χ^2/NDF:1120436.1/22

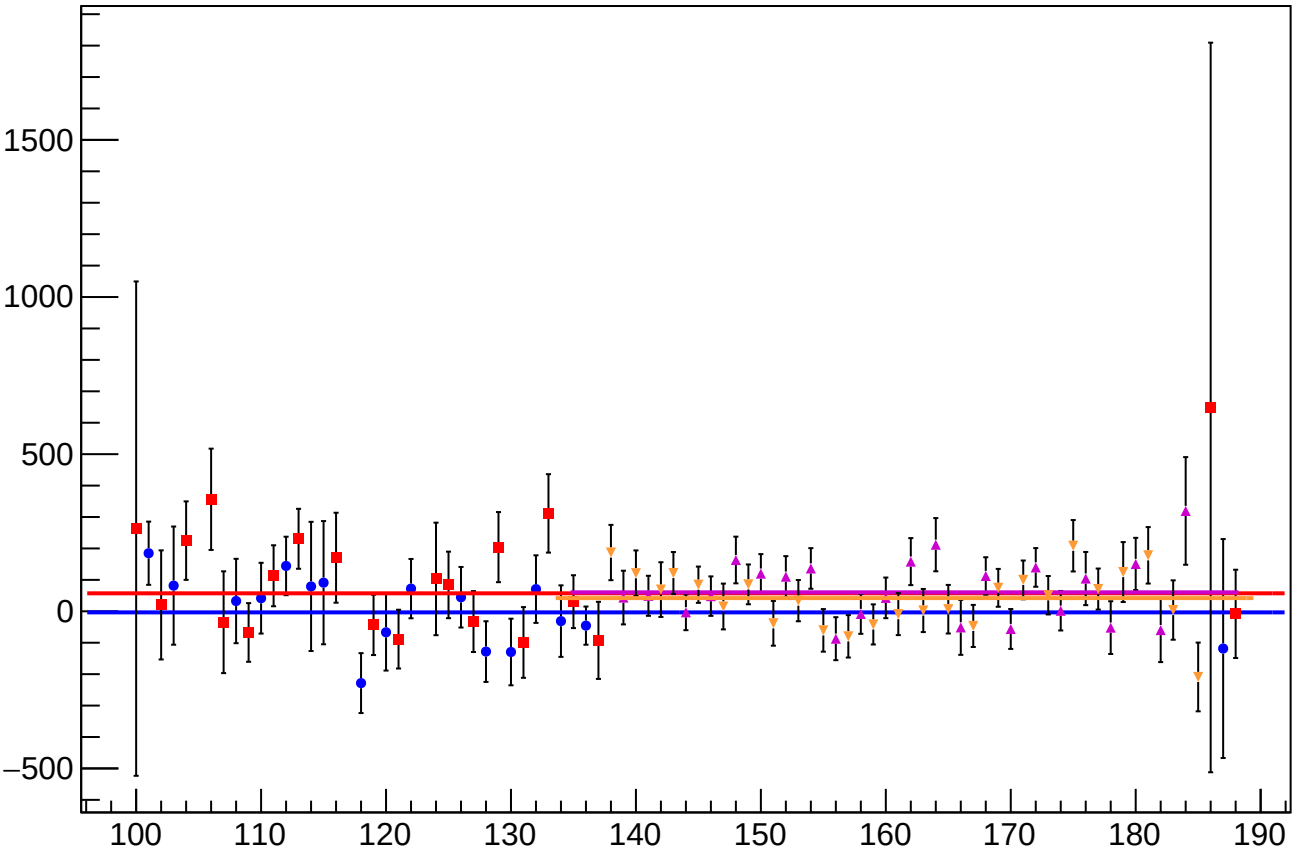
Left: 515.729+/-0.061 χ^2/NDF: 2385831.5/47

Right: 955.325+/-0.173 χ^2/NDF: 1890539.2/37

In: 559.717+/-0.082 χ^2/NDF:4187631.3/39

Out: 567.067+/-0.080 χ^2/NDF:5809590.3/45

All: 563.469+/-0.057 χ^2/NDF: 10001352.7/85



Right In: -3.425+/-26.139 χ^2/NDF: 17.8/16

Left Out: 42.017+/-14.181 χ^2/NDF:32.0/24

Right Out: 57.225+/-25.924 χ^2/NDF: 26.1/20

Left In: 60.376+/-14.714 χ^2/NDF:32.2/22

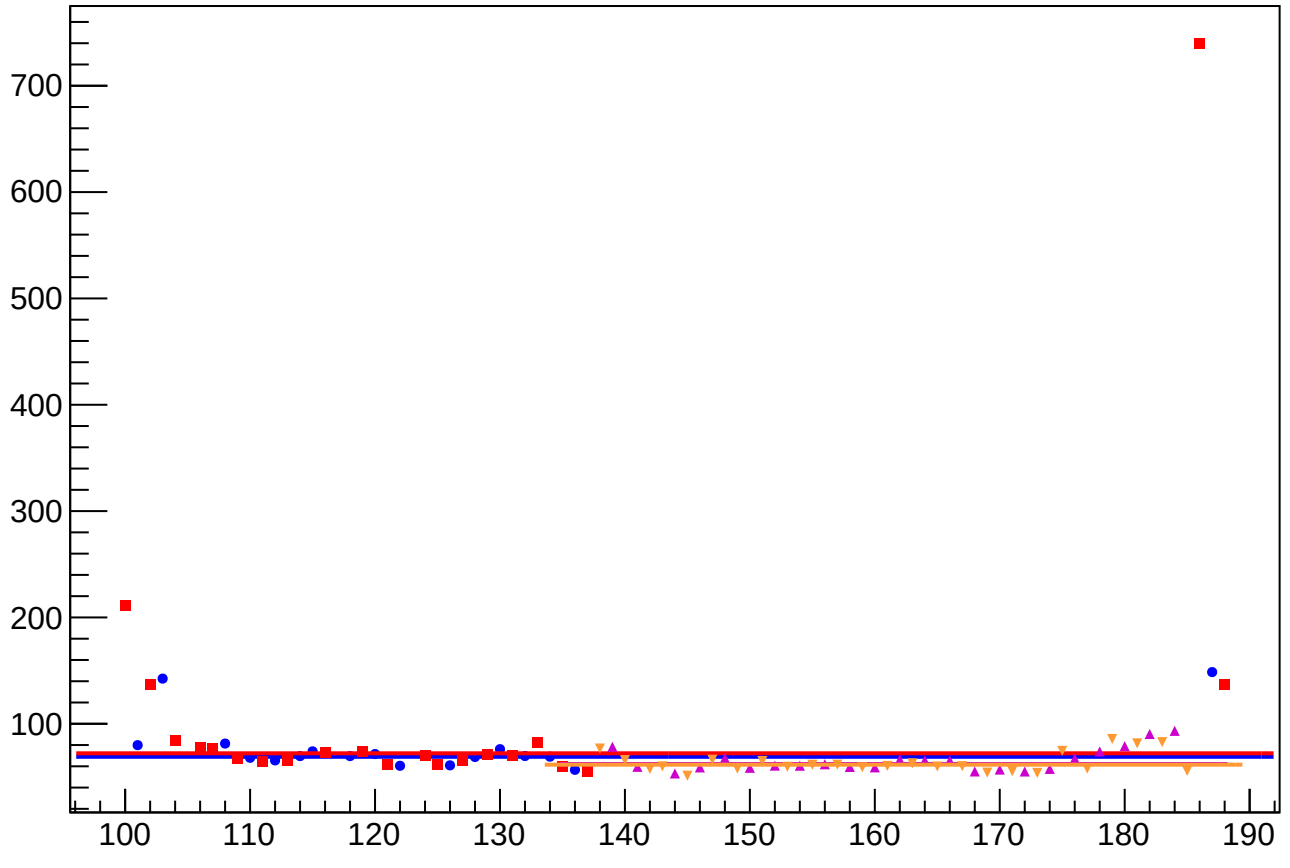
Left: 50.858+/-10.211 χ^2/NDF: 65.0/47

Right: 27.151+/-18.406 χ^2/NDF: 46.7/37

In: 45.025+/-12.822 χ^2/NDF:54.5/39

Out: 45.520+/-12.441 χ^2/NDF:58.4/45

All: 45.280+/-8.929 χ^2/NDF: 113.0/85



Right In: 68.950+/-0.018 χ^2/NDF: 577020.7/16

Left Out: 61.544+/-0.010 χ^2/NDF:637834.9/24

Right Out: 72.227+/-0.018 χ^2/NDF: 1624938.6/20

Left In: 62.144+/-0.010 χ^2/NDF:596754.9/22

Left: 61.833+/-0.007 χ^2/NDF: 1236316.3/47

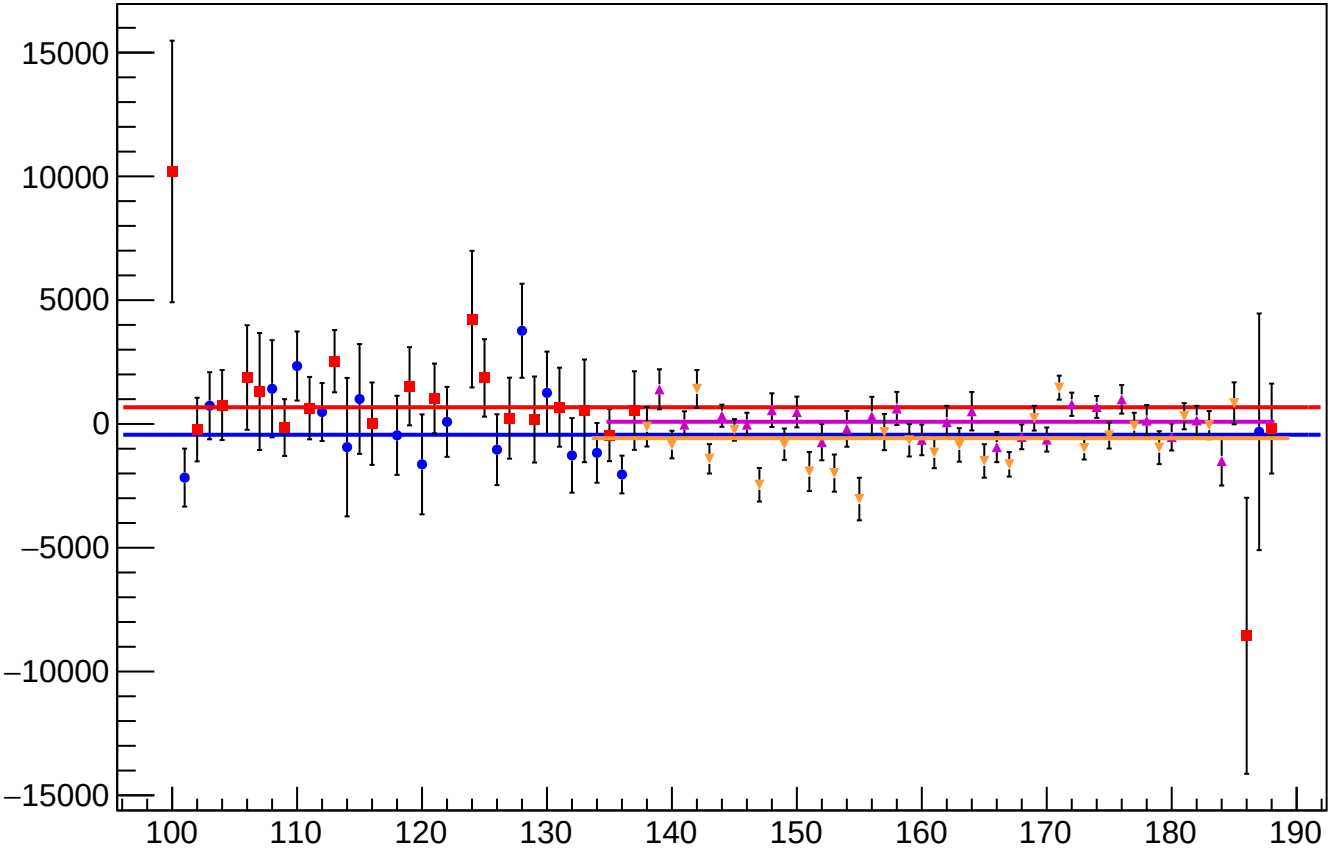
Right: 70.602+/-0.013 χ^2/NDF: 2217811.8/37

In: 63.782+/-0.009 χ^2/NDF:1276714.7/39

Out: 64.005+/-0.009 χ^2/NDF:2524194.2/45

All: 63.897+/-0.006 χ^2/NDF: 3801219.7/85

asym_sam_12345678_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -436.780+/-347.956 χ^2/NDF: 20.6/16

Left Out: -574.811+/-119.736 χ^2/NDF:68.8/24

Right Out: 674.683+/-346.311 χ^2/NDF: 13.9/20

Left In: 88.333+/-122.492 χ^2/NDF:24.6/22

Left: -250.783+/-85.624 χ^2/NDF: 108.4/47

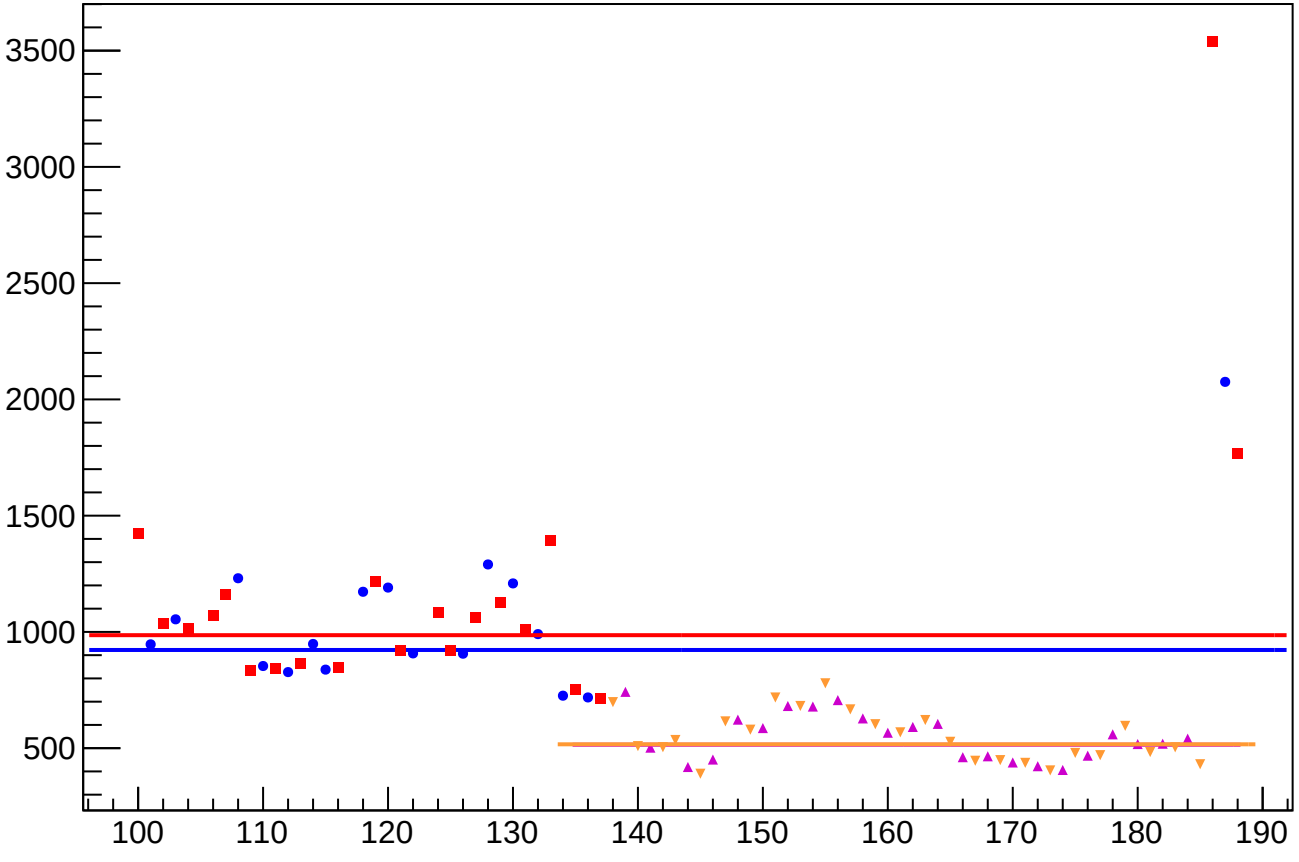
Right: 121.584+/-245.458 χ^2/NDF: 39.5/37

In: 30.433+/-115.542 χ^2/NDF:47.2/39

Out: -441.394+/-113.163 χ^2/NDF:94.3/45

All: -210.387+/-80.846 χ^2/NDF: 150.0/85

asym_sam_12345678_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 922.318+/-0.246 χ^2/NDF: 626183.5/16

Left Out: 516.635+/-0.085 χ^2/NDF:1265163.0/24

Right Out: 985.985+/-0.245 χ^2/NDF: 1221476.7/20

Left In: 514.781+/-0.087 χ^2/NDF:1120434.8/22

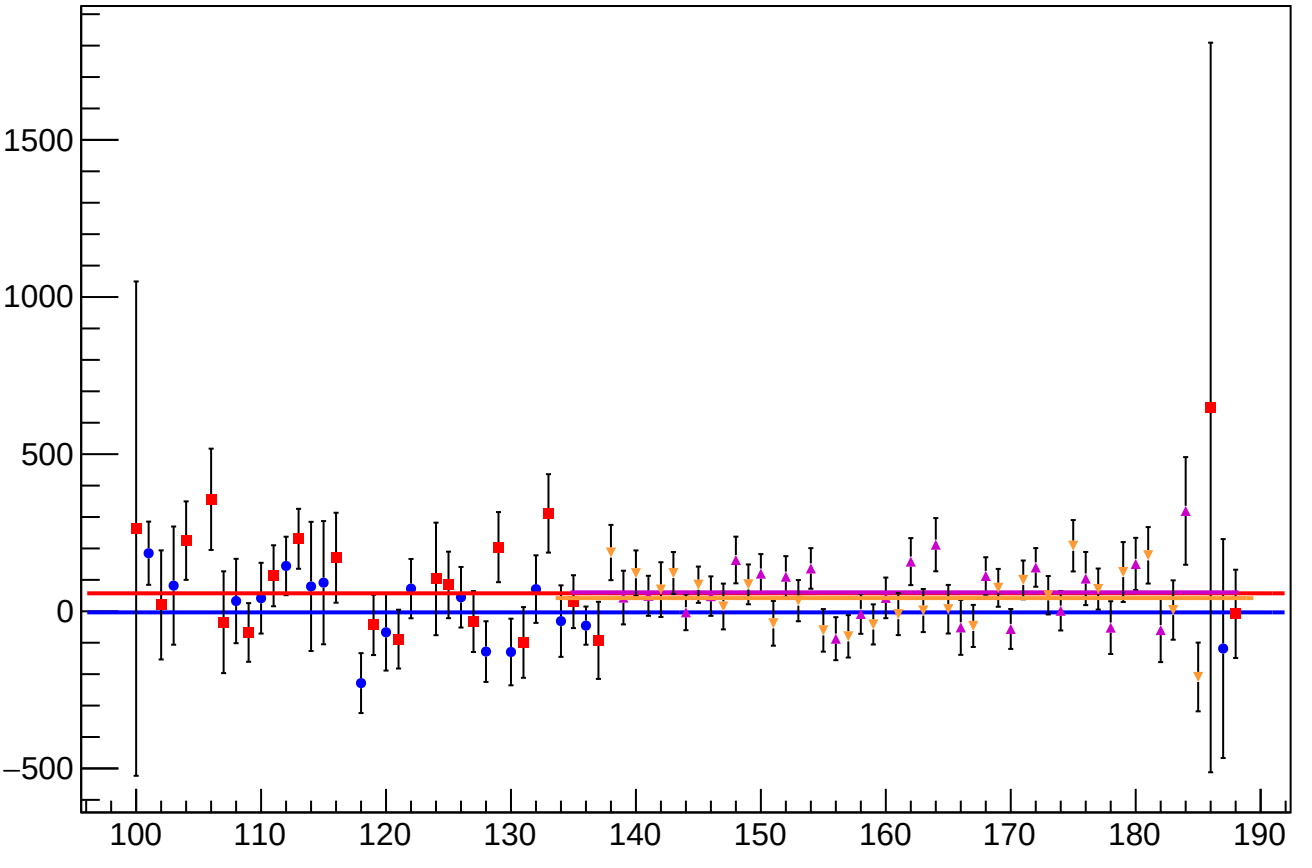
Left: 515.729+/-0.061 χ^2/NDF: 2385832.1/47

Right: 954.303+/-0.174 χ^2/NDF: 1881298.7/37

In: 559.718+/-0.082 χ^2/NDF:4187673.5/39

Out: 566.751+/-0.080 χ^2/NDF:5767979.6/45

All: 563.307+/-0.057 χ^2/NDF: 9959435.8/85



Right In: -3.425+/-26.139 χ^2/NDF: 17.8/16

Left Out: 42.017+/-14.181 χ^2/NDF:32.0/24

Right Out: 57.225+/-25.924 χ^2/NDF: 26.1/20

Left In: 60.376+/-14.714 χ^2/NDF:32.2/22

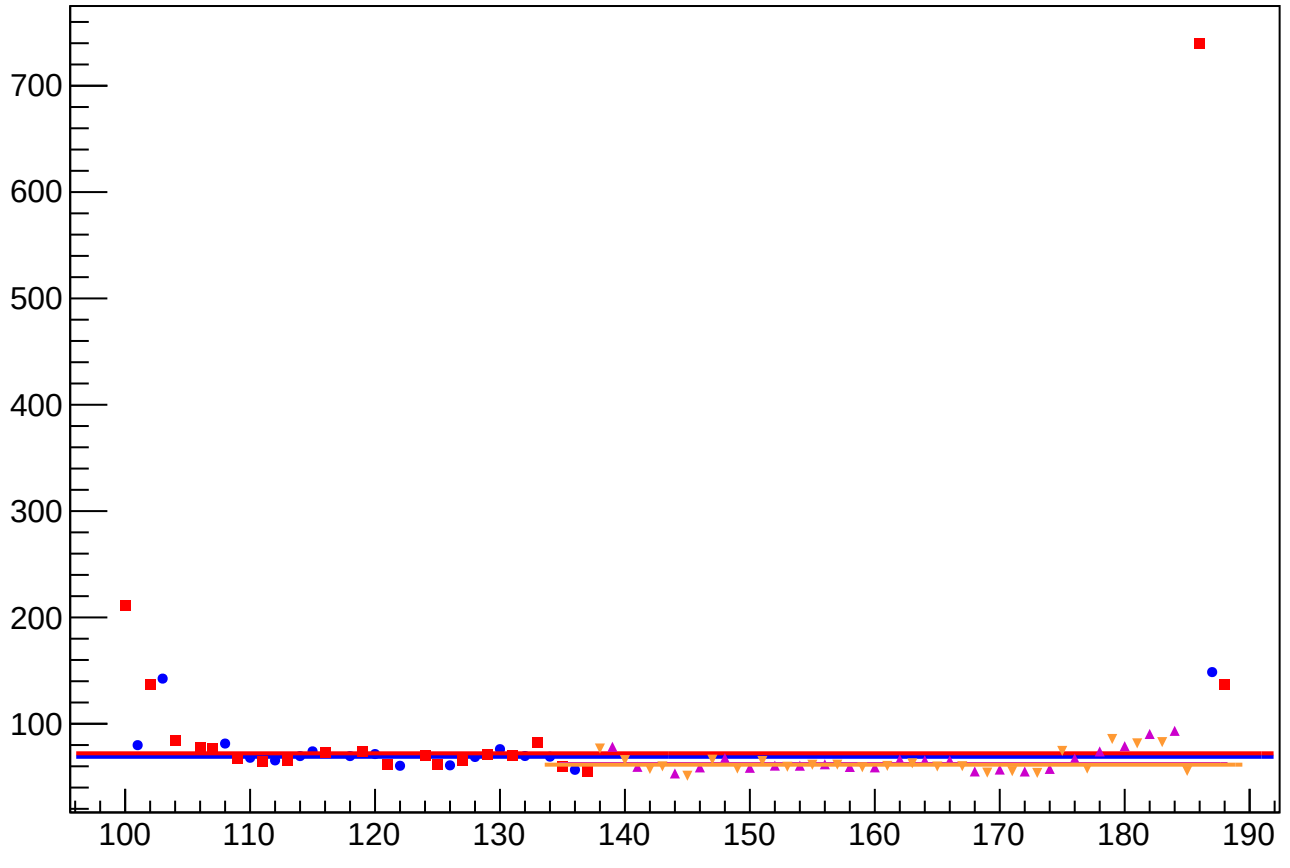
Left: 50.858+/-10.211 χ^2/NDF: 65.0/47

Right: 27.151+/-18.406 χ^2/NDF: 46.7/37

In: 45.025+/-12.822 χ^2/NDF:54.5/39

Out: 45.520+/-12.441 χ^2/NDF:58.4/45

All: 45.280+/-8.929 χ^2/NDF: 113.0/85



Right In: 68.950+/-0.018 χ^2/NDF: 577020.7/16

Left Out: 61.544+/-0.010 χ^2/NDF:637834.9/24

Right Out: 72.227+/-0.018 χ^2/NDF: 1624938.6/20

Left In: 62.144+/-0.010 χ^2/NDF:596754.9/22

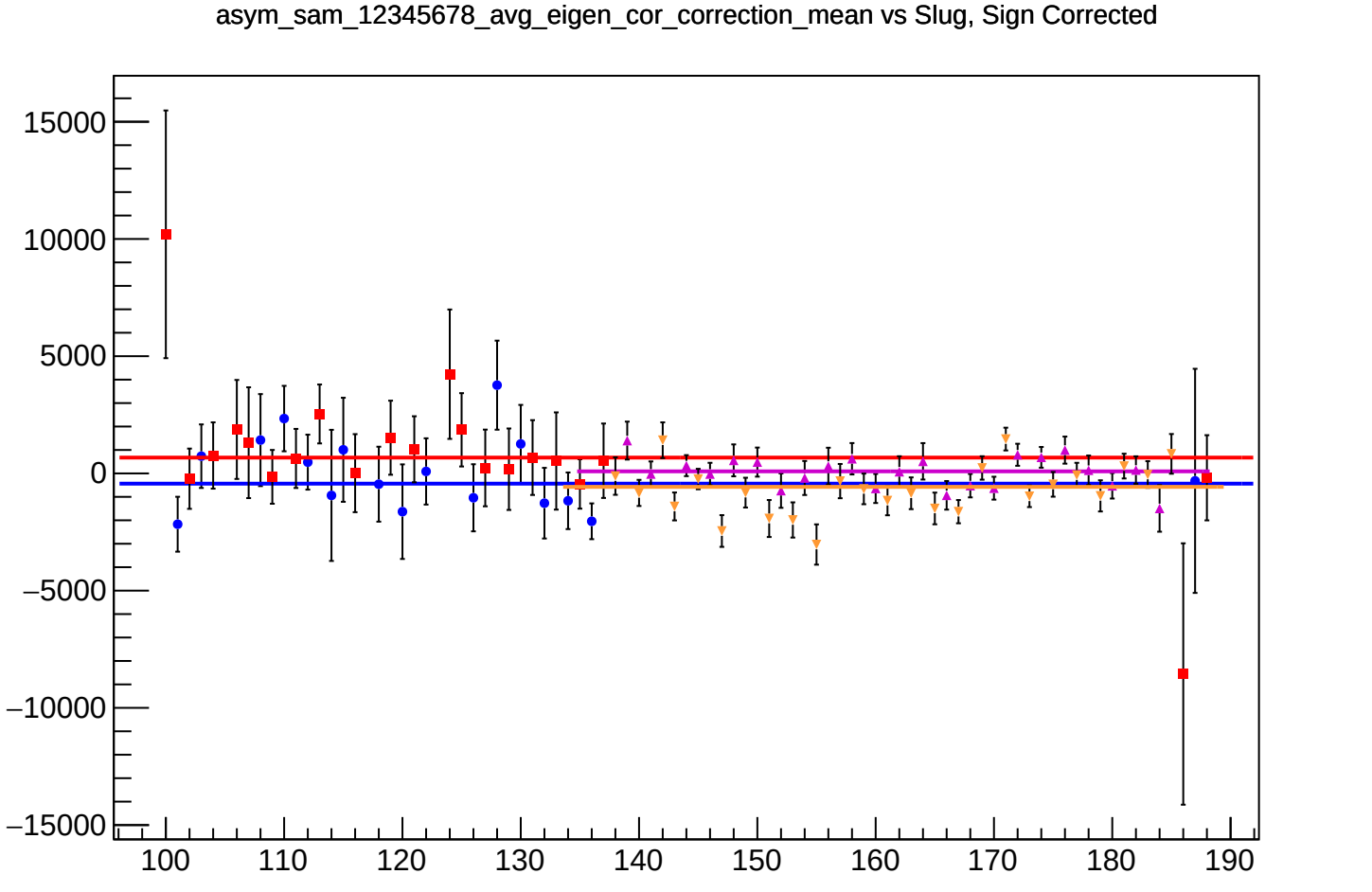
Left: 61.833+/-0.007 χ^2/NDF: 1236316.3/47

Right: 70.602+/-0.013 χ^2/NDF: 2217811.8/37

In: 63.782+/-0.009 χ^2/NDF:1276714.7/39

Out: 64.005+/-0.009 χ^2/NDF:2524194.2/45

All: 63.897+/-0.006 χ^2/NDF: 3801219.7/85



Right In: -436.780+/-347.956 χ^2/NDF: 20.6/16

Left Out: -574.811+/-119.736 χ^2/NDF:68.8/24

Right Out: 674.683+/-346.311 χ^2/NDF: 13.9/20

Left In: 88.333+/-122.492 χ^2/NDF:24.6/22

Left: -250.783+/-85.624 χ^2/NDF: 108.4/47

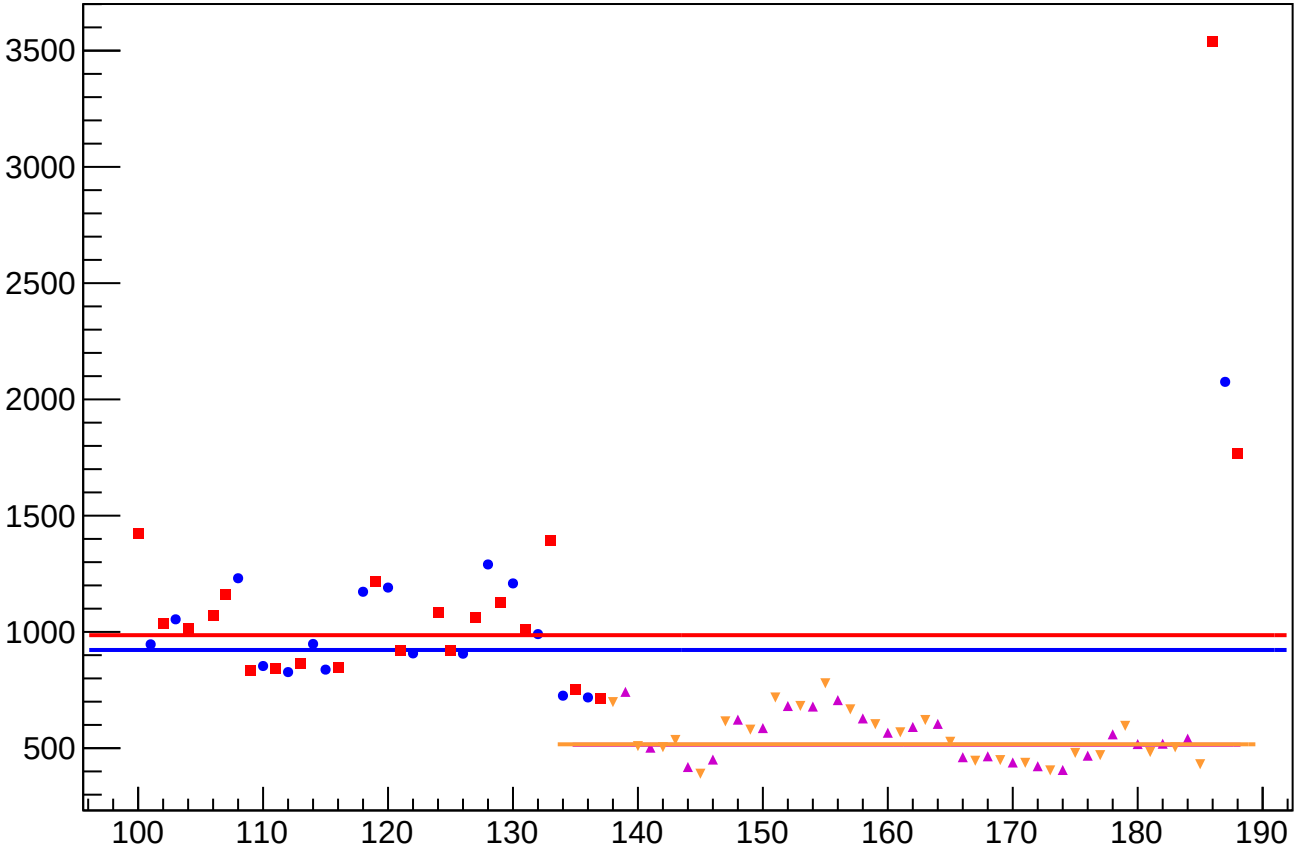
Right: 121.584+/-245.458 χ^2/NDF: 39.5/37

In: 30.433+/-115.542 χ^2/NDF:47.2/39

Out: -441.394+/-113.163 χ^2/NDF:94.3/45

All: -210.387+/-80.846 χ^2/NDF: 150.0/85

asym_sam_12345678_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 922.318+/-0.246 χ^2/NDF: 626183.5/16

Left Out: 516.635+/-0.085 χ^2/NDF:1265163.0/24

Right Out: 985.985+/-0.245 χ^2/NDF: 1221476.7/20

Left In: 514.781+/-0.087 χ^2/NDF:1120434.8/22

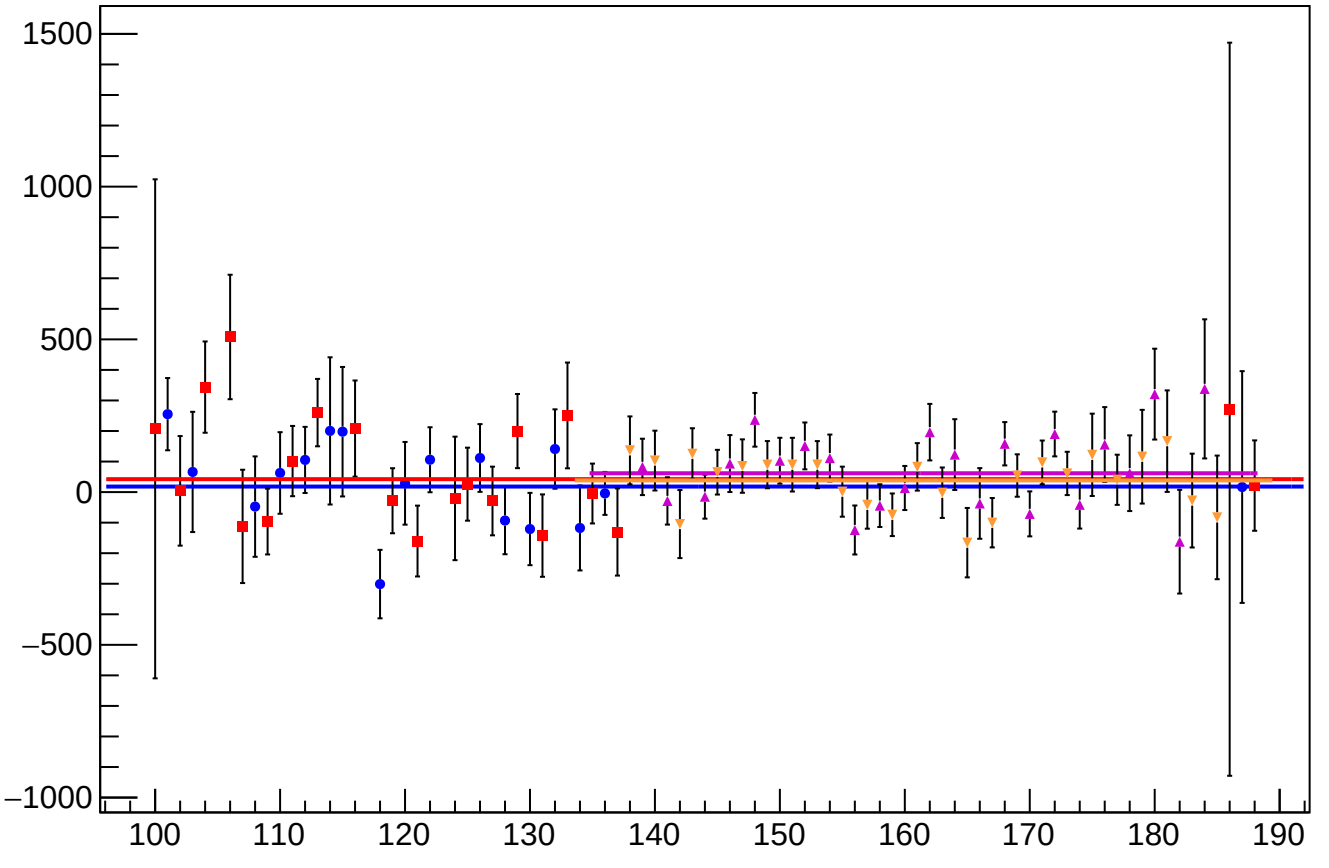
Left: 515.729+/-0.061 χ^2/NDF: 2385832.1/47

Right: 954.303+/-0.174 χ^2/NDF: 1881298.7/37

In: 559.718+/-0.082 χ^2/NDF:4187673.5/39

Out: 566.751+/-0.080 χ^2/NDF:5767979.6/45

All: 563.307+/-0.057 χ^2/NDF: 9959435.8/85



Right In: 18.165+/-30.250 χ^2/NDF: 20.1/16

Left Out: 38.281+/-17.669 χ^2/NDF:18.8/24

Right Out: 42.388+/-30.057 χ^2/NDF: 27.8/20

Left In: 61.723+/-18.192 χ^2/NDF:36.7/22

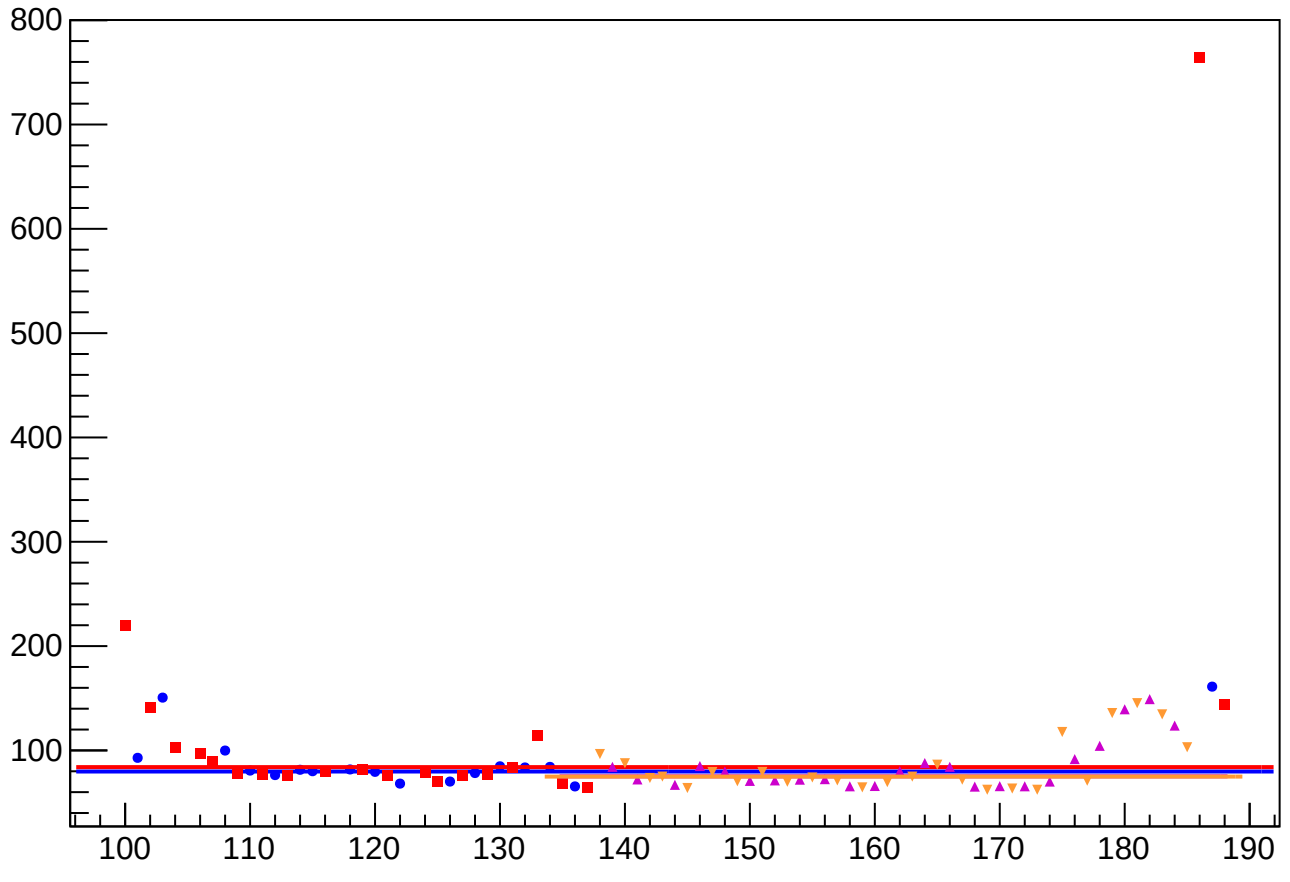
Left: 49.661+/-12.675 χ^2/NDF: 56.4/47

Right: 30.354+/-21.321 χ^2/NDF: 48.2/37

In: 50.154+/-15.590 χ^2/NDF:58.4/39

Out: 39.336+/-15.232 χ^2/NDF:46.6/45

All: 44.620+/-10.895 χ^2/NDF: 105.2/85



Right In: 79.784+/-0.021 χ^2/NDF: 537529.9/16

Left Out: 74.903+/-0.012 χ^2/NDF:1661552.1/24

Right Out: 83.994+/-0.021 χ^2/NDF: 1506473.6/20

Left In: 75.156+/-0.013 χ^2/NDF:1312543.0/22

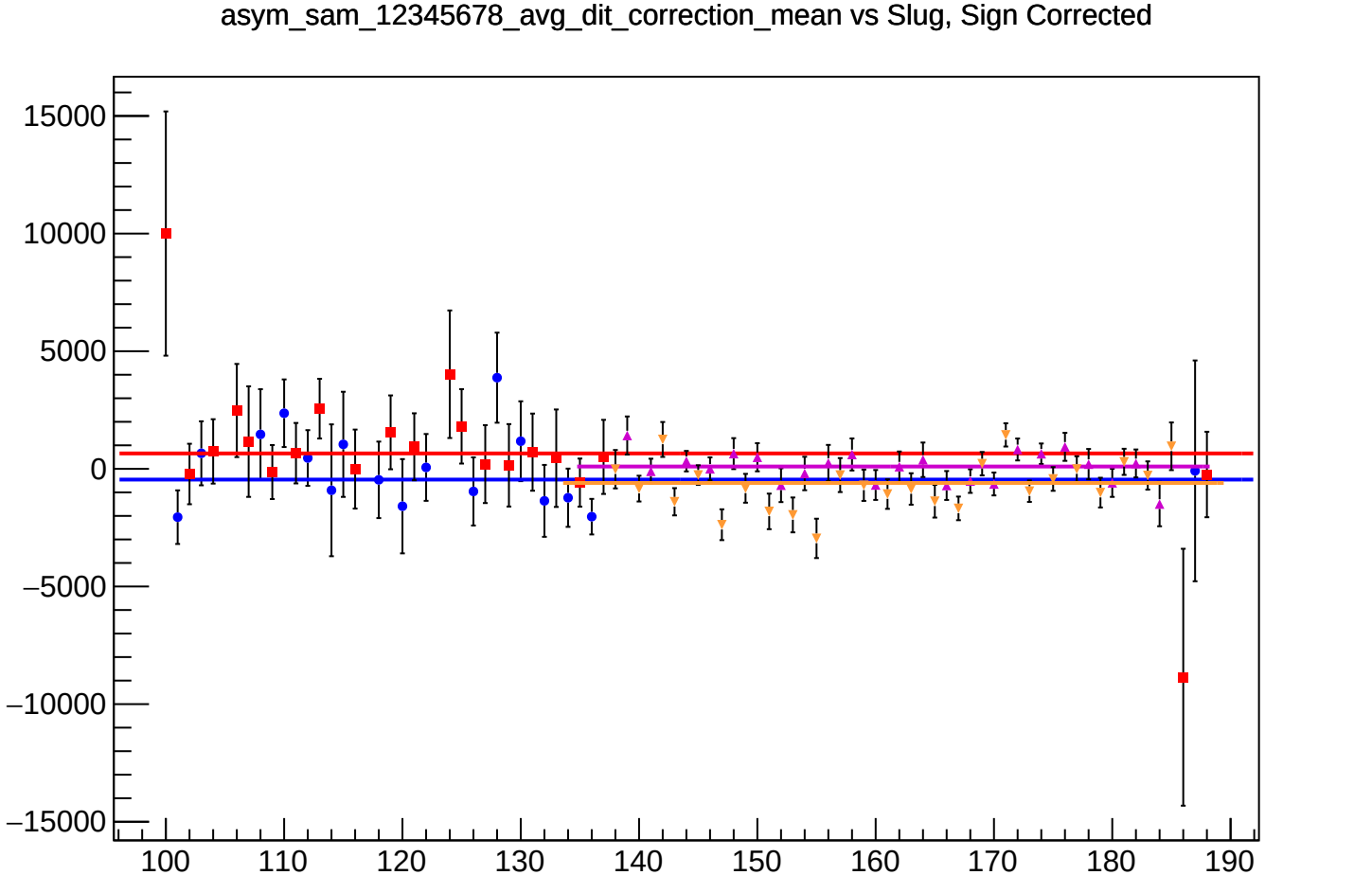
Left: 75.025+/-0.009 χ^2/NDF: 2974293.9/47

Right: 81.902+/-0.015 χ^2/NDF: 2063496.3/37

In: 76.385+/-0.011 χ^2/NDF:1884454.3/39

Out: 77.238+/-0.011 χ^2/NDF:3303994.6/45

All: 76.821+/-0.008 χ^2/NDF: 5191510.4/85



Right In: -456.045+/-349.105 χ^2/NDF: 20.3/16

Left Out: -598.826+/-119.324 χ^2/NDF:65.0/24

Right Out: 655.356+/-345.420 χ^2/NDF: 14.8/20

Left In: 99.102+/-122.310 χ^2/NDF:23.7/22

Left: -258.487+/-85.411 χ^2/NDF: 105.4/47

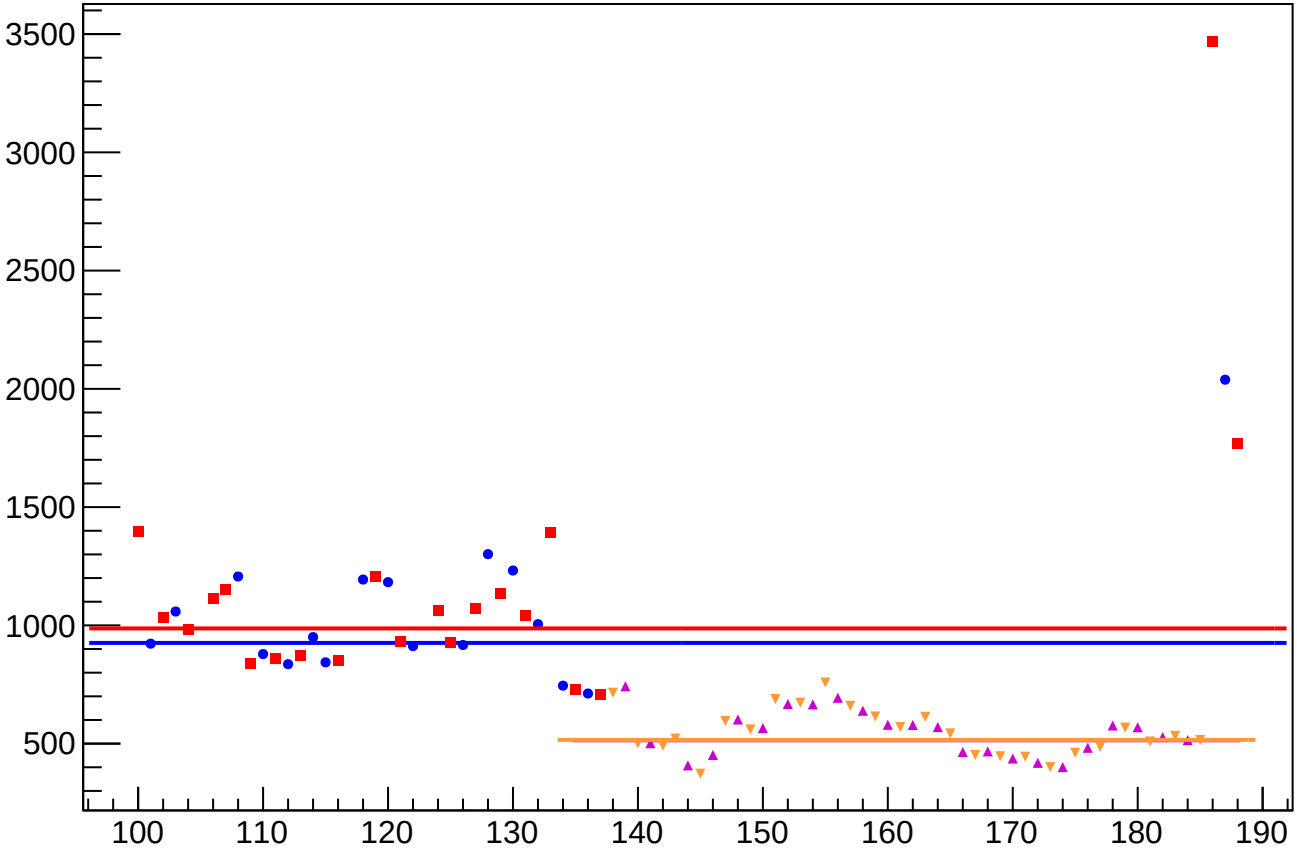
Right: 105.551+/-245.541 χ^2/NDF: 40.3/37

In: 38.409+/-115.431 χ^2/NDF:46.2/39

Out: -465.118+/-112.784 χ^2/NDF:91.7/45

All: -219.194+/-80.670 χ^2/NDF: 147.6/85

asym_sam_12345678_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 925.832+/-0.247 χ^2/NDF: 628555.7/16

Left Out: 515.762+/-0.084 χ^2/NDF:1232478.6/24

Right Out: 987.093+/-0.244 χ^2/NDF: 1235064.2/20

Left In: 514.088+/-0.086 χ^2/NDF:1116884.3/22

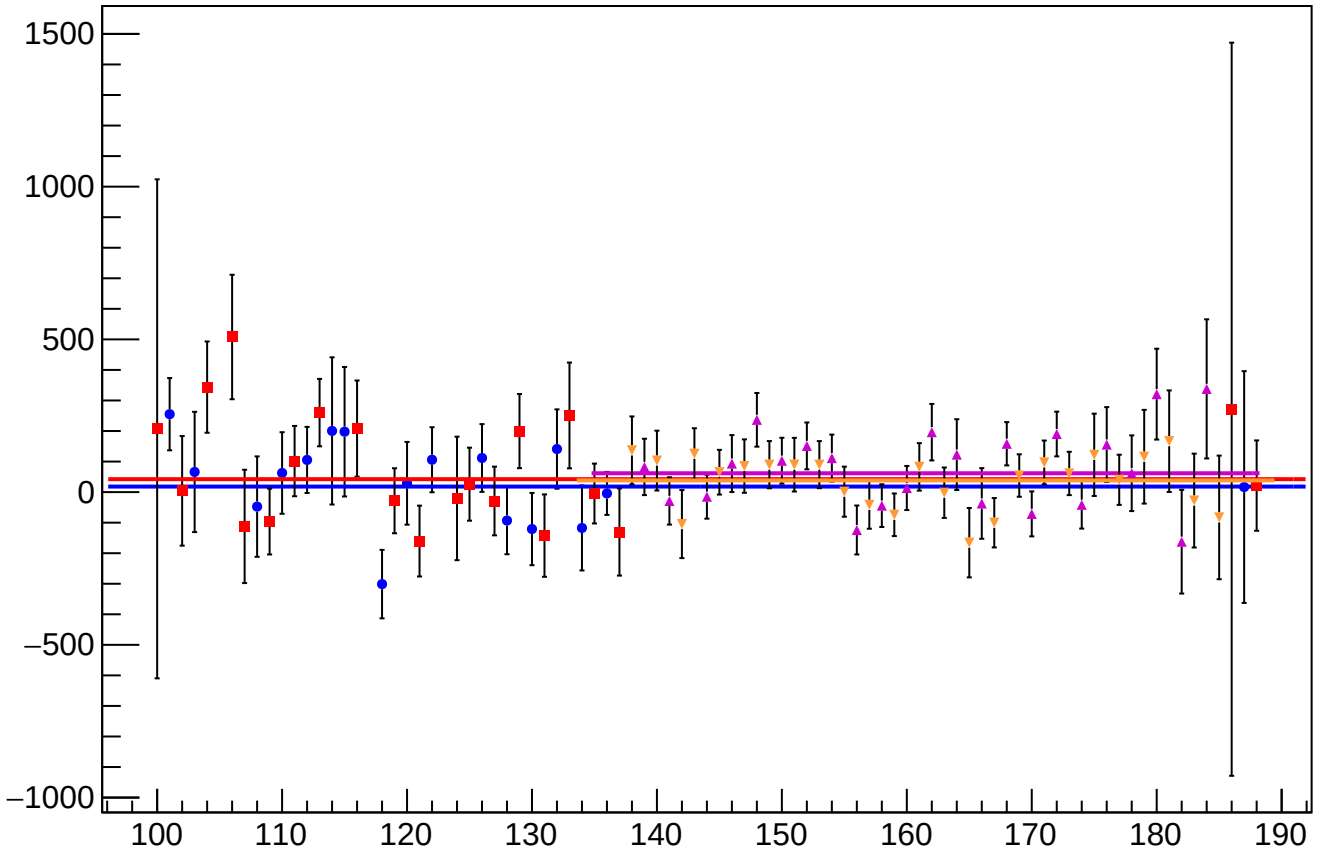
Left: 514.945+/-0.060 χ^2/NDF: 2349554.8/47

Right: 956.787+/-0.174 χ^2/NDF: 1894739.7/37

In: 559.103+/-0.082 χ^2/NDF:4223381.2/39

Out: 566.010+/-0.080 χ^2/NDF:5794348.5/45

All: 562.637+/-0.057 χ^2/NDF: 10021393.4/85



Right In: 18.165+/-30.250 χ^2/NDF: 20.1/16

Left Out: 38.282+/-17.670 χ^2/NDF:18.8/24

Right Out: 42.387+/-30.057 χ^2/NDF: 27.8/20

Left In: 61.723+/-18.192 χ^2/NDF:36.7/22

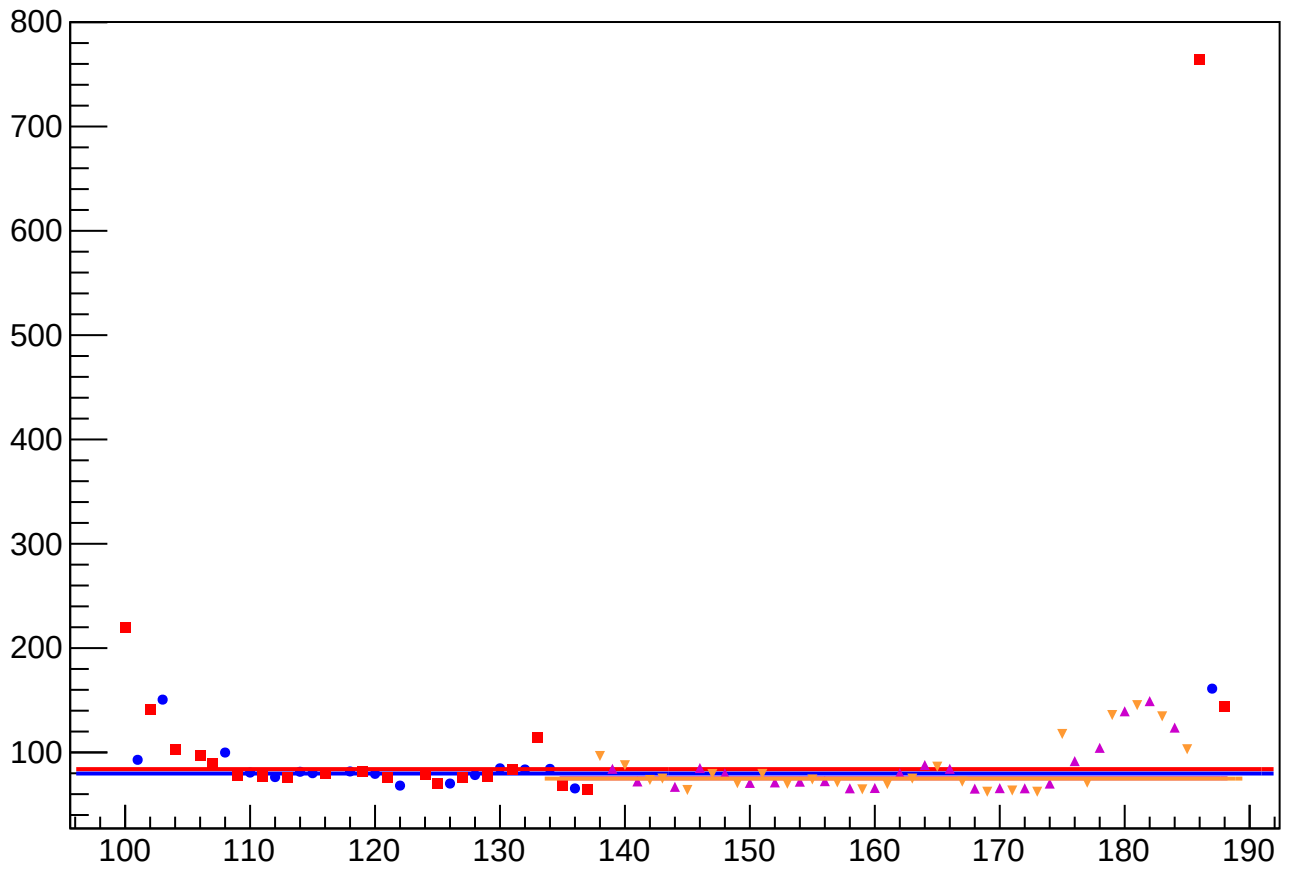
Left: 49.661+/-12.675 χ^2/NDF: 56.4/47

Right: 30.353+/-21.321 χ^2/NDF: 48.2/37

In: 50.154+/-15.590 χ^2/NDF:58.4/39

Out: 39.336+/-15.232 χ^2/NDF:46.6/45

All: 44.619+/-10.895 χ^2/NDF: 105.2/85



Right In: 79.783+/-0.021 χ^2/NDF: 537529.6/16

Left Out: 74.903+/-0.012 χ^2/NDF:1661550.3/24

Right Out: 83.993+/-0.021 χ^2/NDF: 1506488.6/20

Left In: 75.156+/-0.013 χ^2/NDF:1312527.7/22

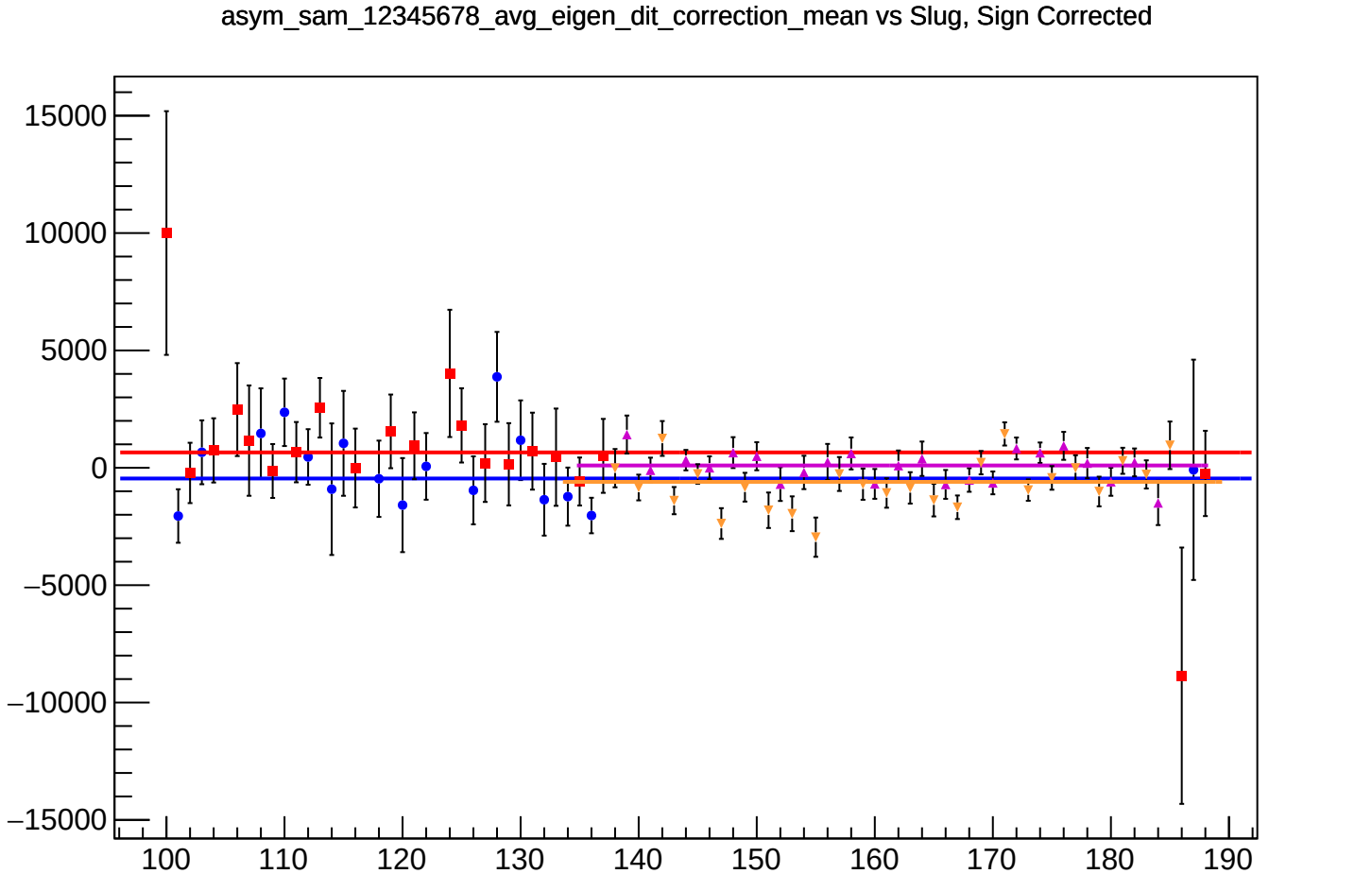
Left: 75.026+/-0.009 χ^2/NDF: 2974276.9/47

Right: 81.902+/-0.015 χ^2/NDF: 2063511.6/37

In: 76.385+/-0.011 χ^2/NDF:1884431.6/39

Out: 77.238+/-0.011 χ^2/NDF:3303995.6/45

All: 76.821+/-0.008 χ^2/NDF: 5191488.7/85



Right In: -456.042+/-349.104 χ^2/NDF: 20.3/16

Left Out: -598.825+/-119.324 χ^2/NDF:65.0/24

Right Out: 655.355+/-345.420 χ^2/NDF: 14.8/20

Left In: 99.101+/-122.310 χ^2/NDF:23.7/22

Left: -258.487+/-85.411 χ^2/NDF: 105.4/47

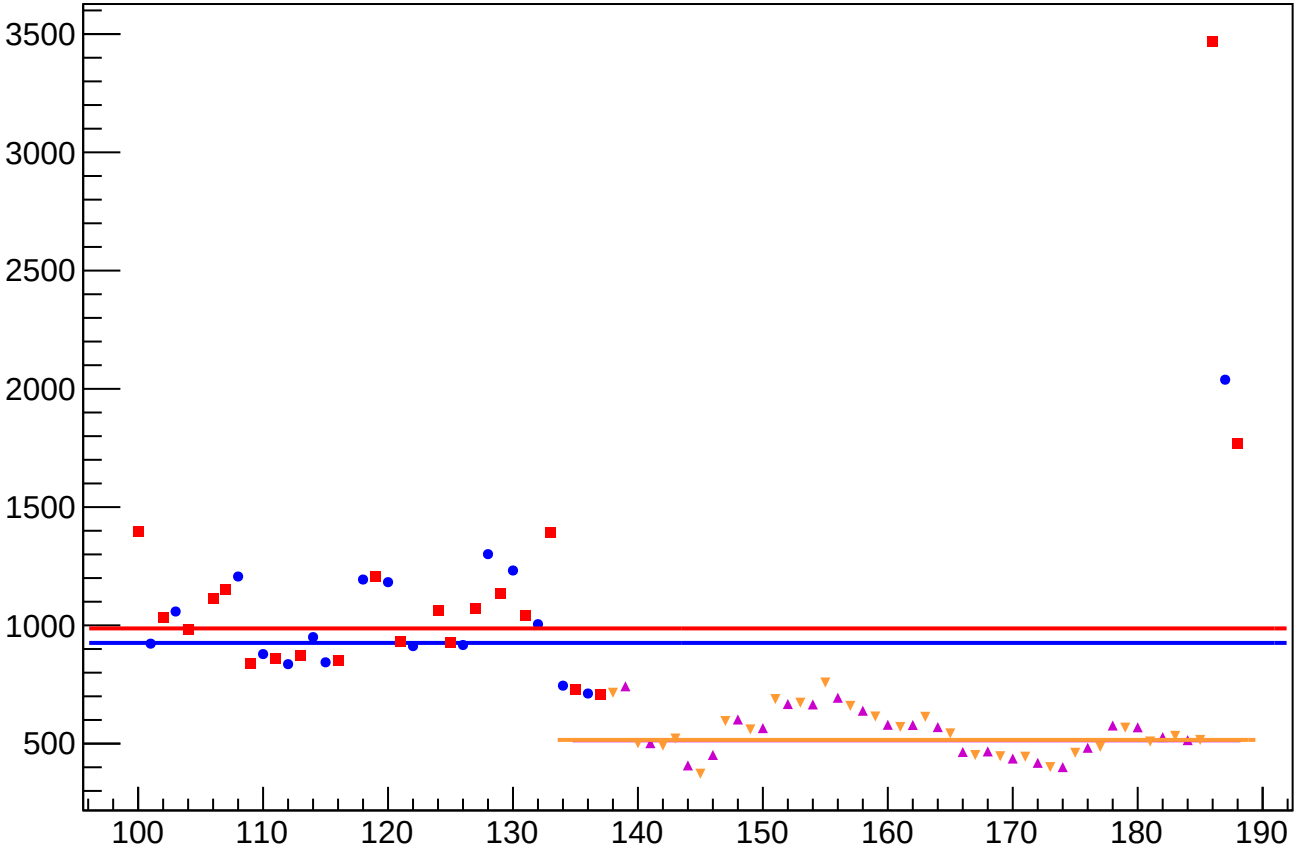
Right: 105.552+/-245.541 χ^2/NDF: 40.3/37

In: 38.408+/-115.431 χ^2/NDF:46.2/39

Out: -465.117+/-112.784 χ^2/NDF:91.7/45

All: -219.194+/-80.670 χ^2/NDF: 147.6/85

asym_sam_12345678_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 925.830+/-0.247 χ^2/NDF: 628555.8/16

Left Out: 515.761+/-0.084 χ^2/NDF:1232481.1/24

Right Out: 987.090+/-0.244 χ^2/NDF: 1235065.6/20

Left In: 514.087+/-0.086 χ^2/NDF:1116882.7/22

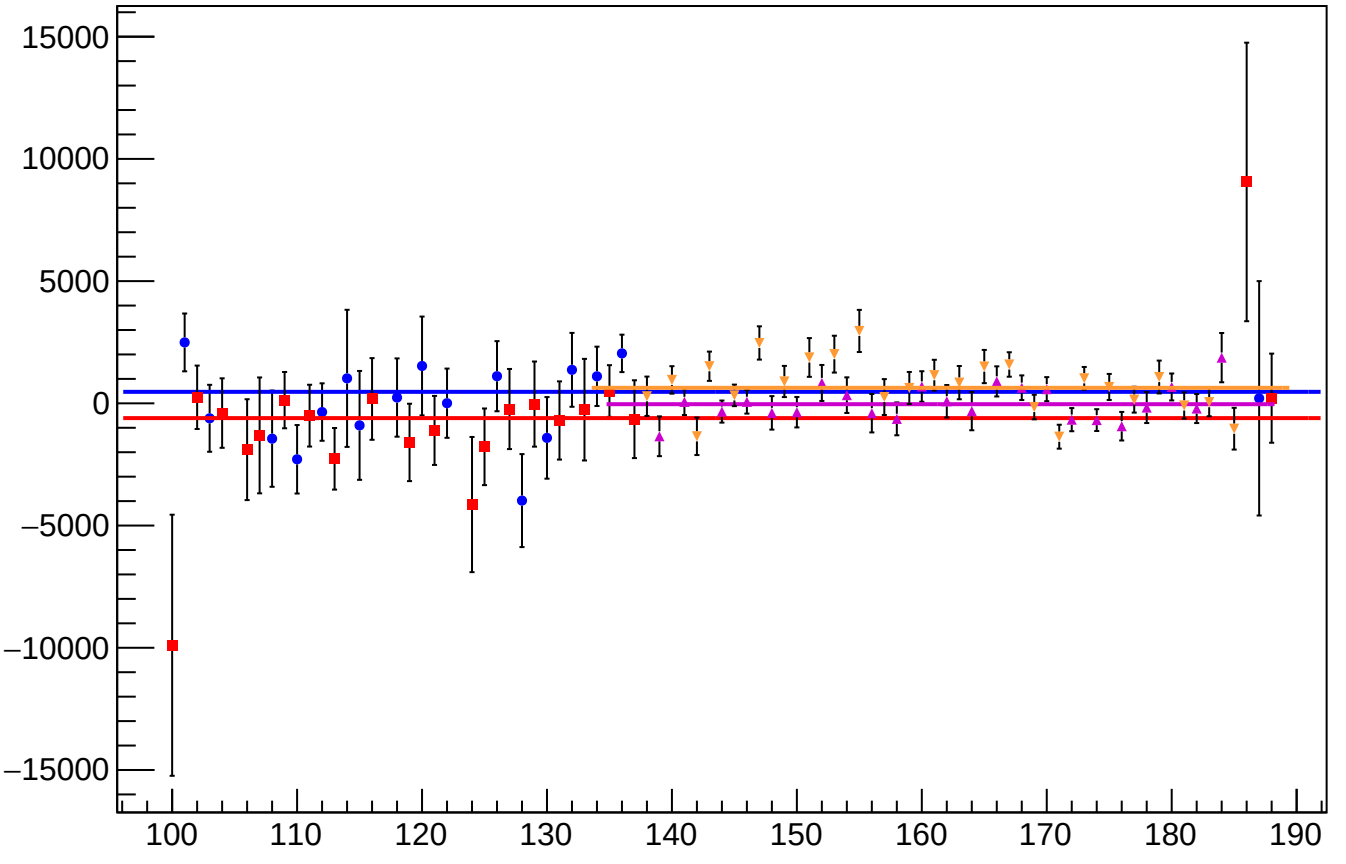
Left: 514.944+/-0.060 χ^2/NDF: 2349555.7/47

Right: 956.785+/-0.174 χ^2/NDF: 1894741.1/37

In: 559.102+/-0.082 χ^2/NDF:4223376.2/39

Out: 566.009+/-0.080 χ^2/NDF:5794348.1/45

All: 562.636+/-0.057 χ^2/NDF: 10021388.0/85



Right In: 470.597+/-349.444 χ^2/NDF: 21.5/16

Left Out: 634.783+/-120.717 χ^2/NDF:64.5/24

Right Out: -604.313+/-347.347 χ^2/NDF: 13.4/20

Left In: -34.808+/-123.517 χ^2/NDF:25.1/22

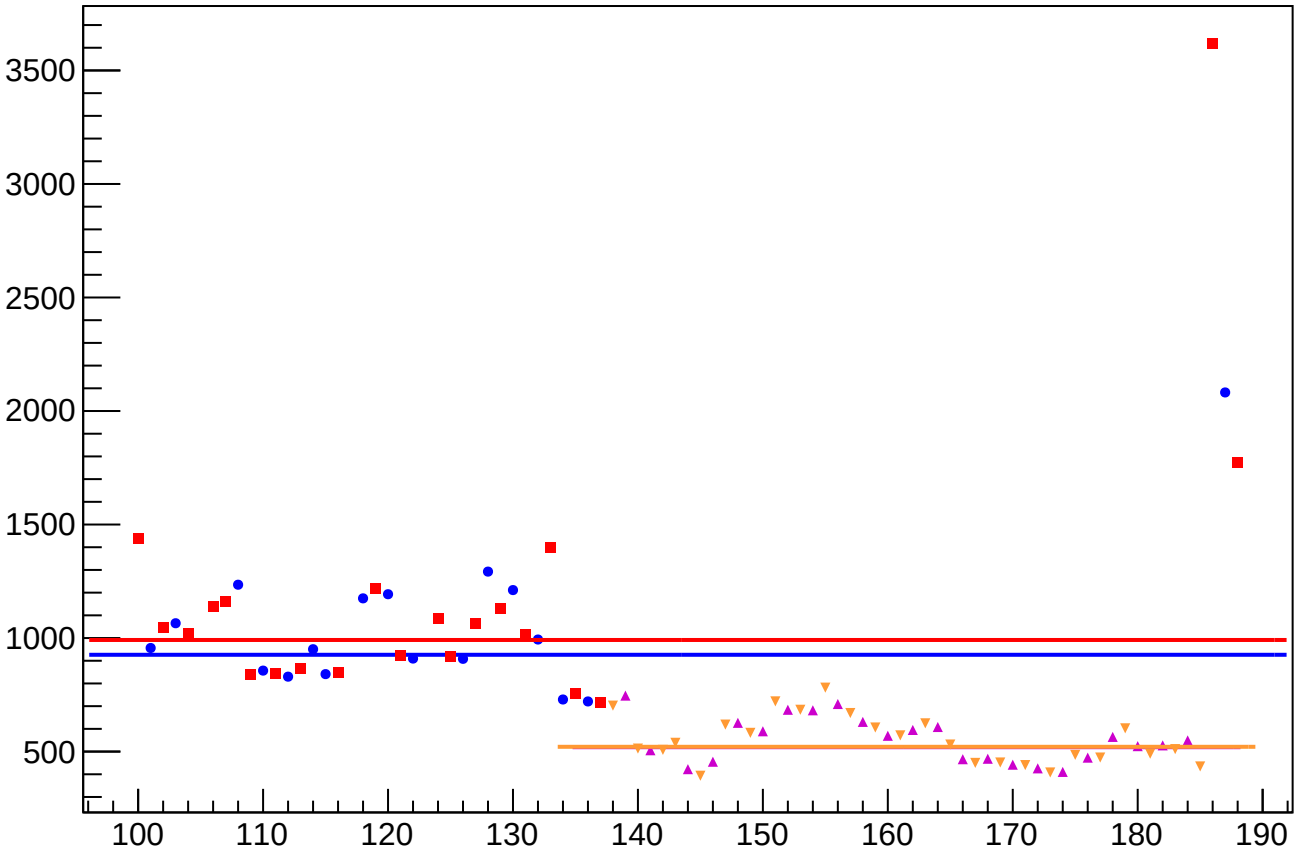
Left: 307.664+/-86.333 χ^2/NDF: 104.6/47

Right: -70.093+/-246.349 χ^2/NDF: 39.7/37

In: 21.324+/-116.456 χ^2/NDF:48.5/39

Out: 501.249+/-114.027 χ^2/NDF:89.3/45

All: 266.345+/-81.475 χ^2/NDF: 146.4/85



Right In: 926.296+/-0.247 χ^2/NDF: 625464.6/16

Left Out: 521.025+/-0.085 χ^2/NDF:1243003.9/24

Right Out: 991.521+/-0.246 χ^2/NDF: 1235782.8/20

Left In: 519.239+/-0.087 χ^2/NDF:1100553.3/22

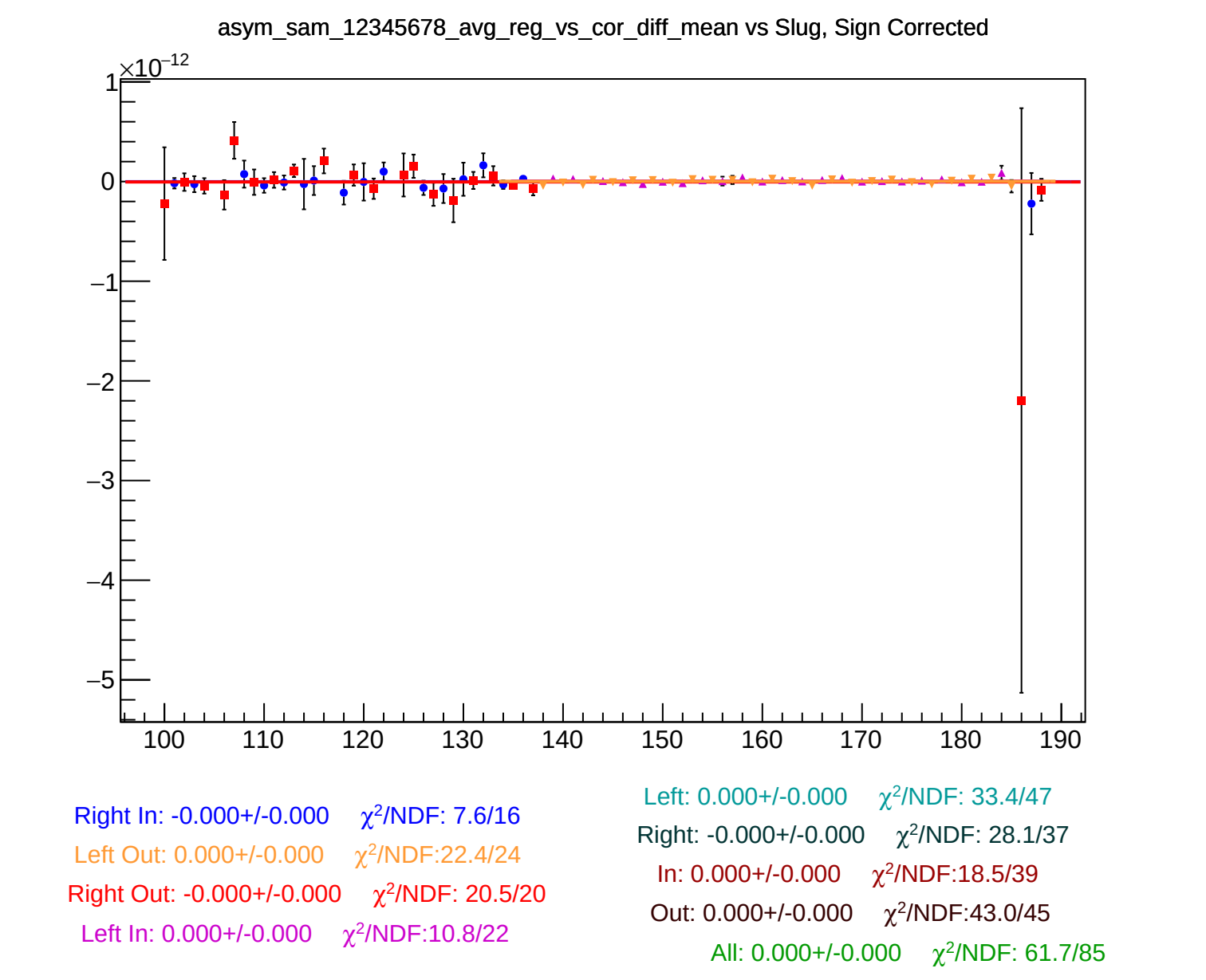
Left: 520.153+/-0.061 χ^2/NDF: 2343771.0/47

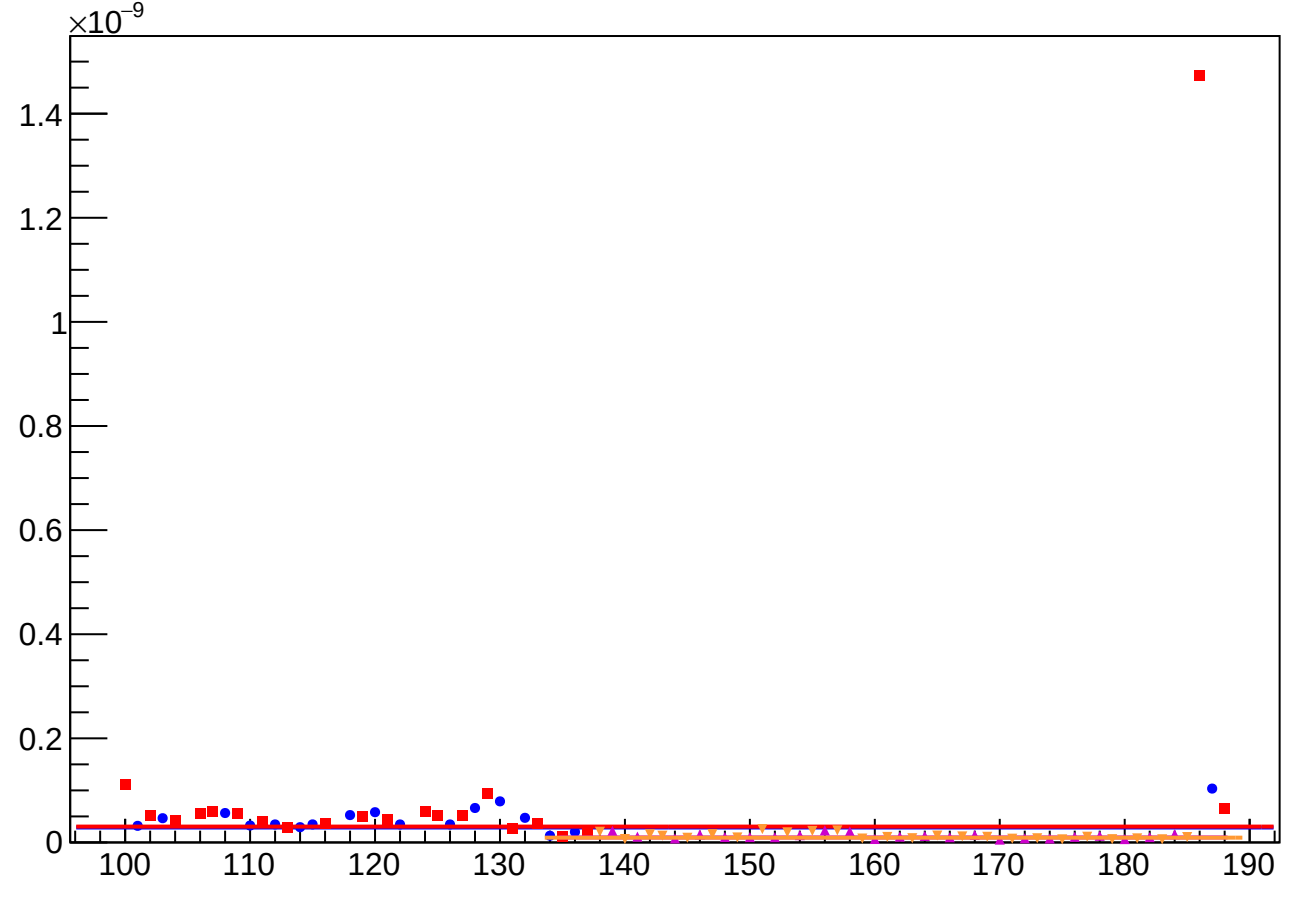
Right: 959.105+/-0.174 χ^2/NDF: 1896296.3/37

In: 564.449+/-0.082 χ^2/NDF:4138456.4/39

Out: 571.729+/-0.081 χ^2/NDF:5752894.1/45

All: 568.166+/-0.058 χ^2/NDF: 9895341.3/85


asym_sam_12345678_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1
0
−1
−2
−3
−4
−5
100
110
120
130
140
150
160
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 7.6/16
Left Out: 0.000+/-0.000 χ²/NDF:22.4/24
Right Out: -0.000+/-0.000 χ²/NDF: 20.5/20
Left In: 0.000+/-0.000 χ²/NDF:10.8/22
Left: 0.000+/-0.000 χ²/NDF: 33.4/47
Right: -0.000+/-0.000 χ²/NDF: 28.1/37
In: 0.000+/-0.000 χ²/NDF:18.5/39
Out: 0.000+/-0.000 χ²/NDF:43.0/45
All: 0.000+/-0.000 χ²/NDF: 61.7/85



Right In: 0.000+/-0.000 χ^2/NDF: 1270528.8/16

Left Out: 0.000+/-0.000 χ^2/NDF:2137290.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2345715.7/20

Left In: 0.000+/-0.000 χ^2/NDF:1614718.4/22

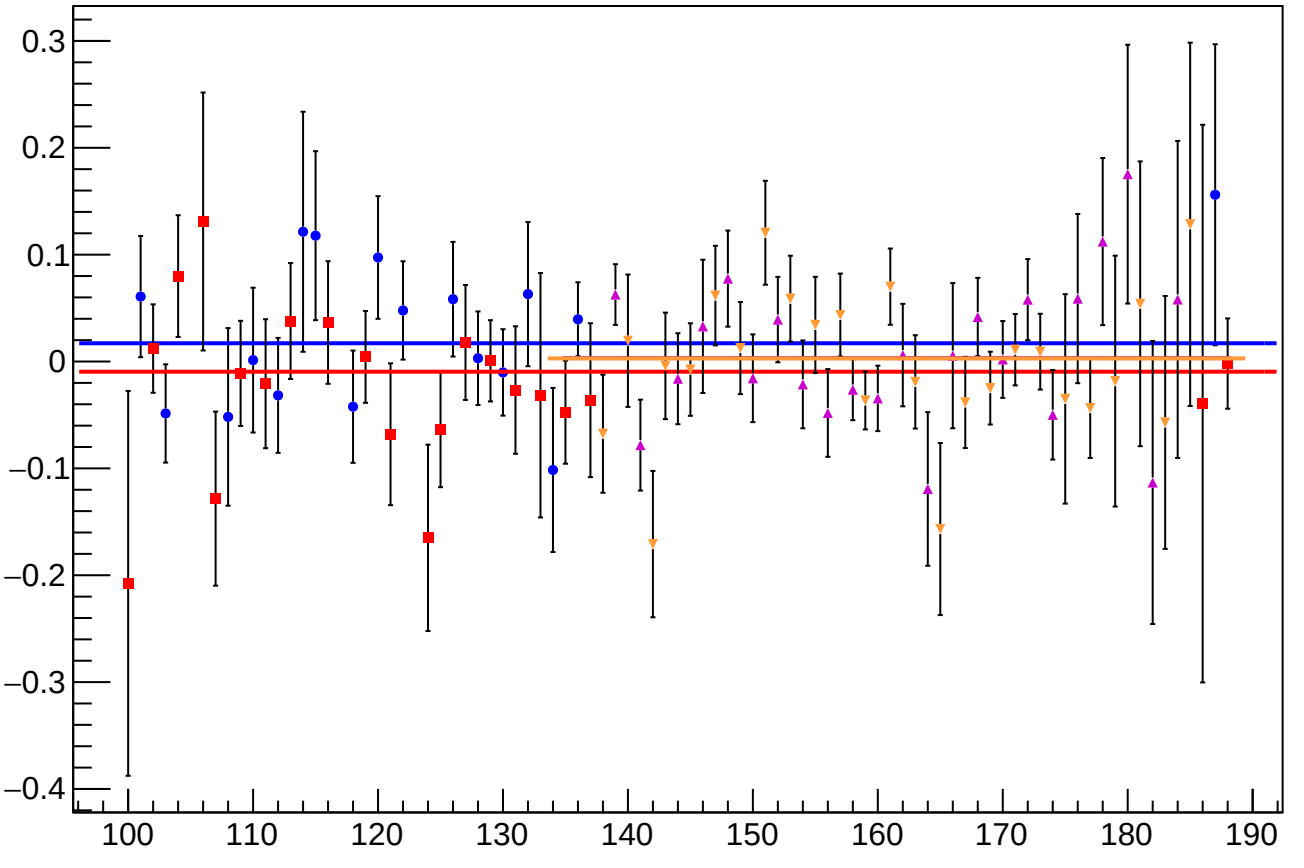
Left: 0.000+/-0.000 χ^2/NDF: 3761199.7/47

Right: 0.000+/-0.000 χ^2/NDF: 3625208.4/37

In: 0.000+/-0.000 χ^2/NDF:5112901.1/39

Out: 0.000+/-0.000 χ^2/NDF:6896587.0/45

All: 0.000+/-0.000 χ^2/NDF: 12026186.0/85



Right In: 0.017+/-0.013 χ^2/NDF: 15.7/16

Left Out: 0.003+/-0.009 χ^2/NDF:32.9/24

Right Out: -0.010+/-0.013 χ^2/NDF: 15.2/20

Left In: 0.003+/-0.009 χ^2/NDF:29.8/22

Left: 0.003+/-0.007 χ^2/NDF: 62.7/47

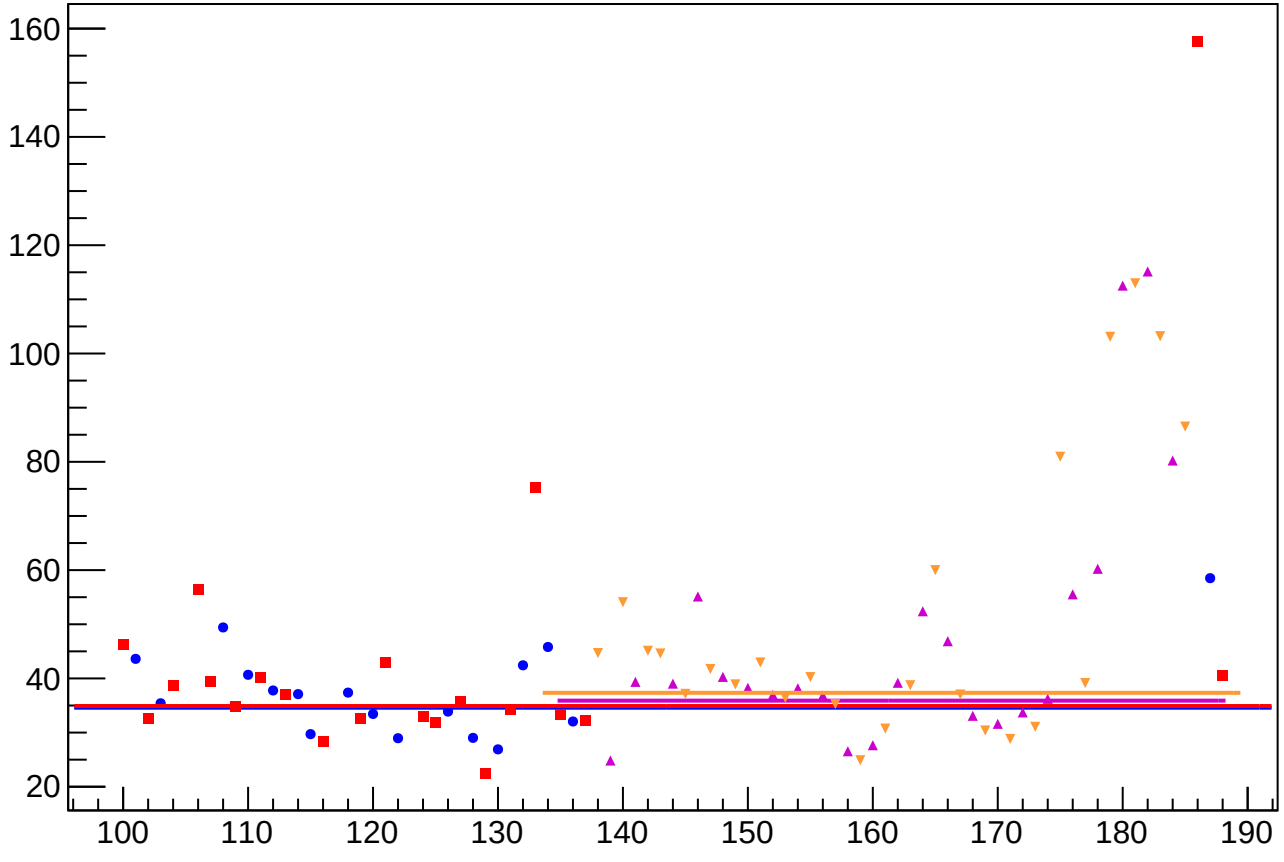
Right: 0.003+/-0.009 χ^2/NDF: 33.0/37

In: 0.008+/-0.008 χ^2/NDF:46.3/39

Out: -0.001+/-0.007 χ^2/NDF:48.7/45

All: 0.003+/-0.005 χ^2/NDF: 95.7/85

asym_sam_12345678_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.598+/-0.009 χ^2/NDF: 426067.9/16

Left Out: 37.344+/-0.007 χ^2/NDF:3696647.0/24

Right Out: 34.904+/-0.009 χ^2/NDF: 1127814.3/20

Left In: 35.896+/-0.006 χ^2/NDF:3138291.6/22

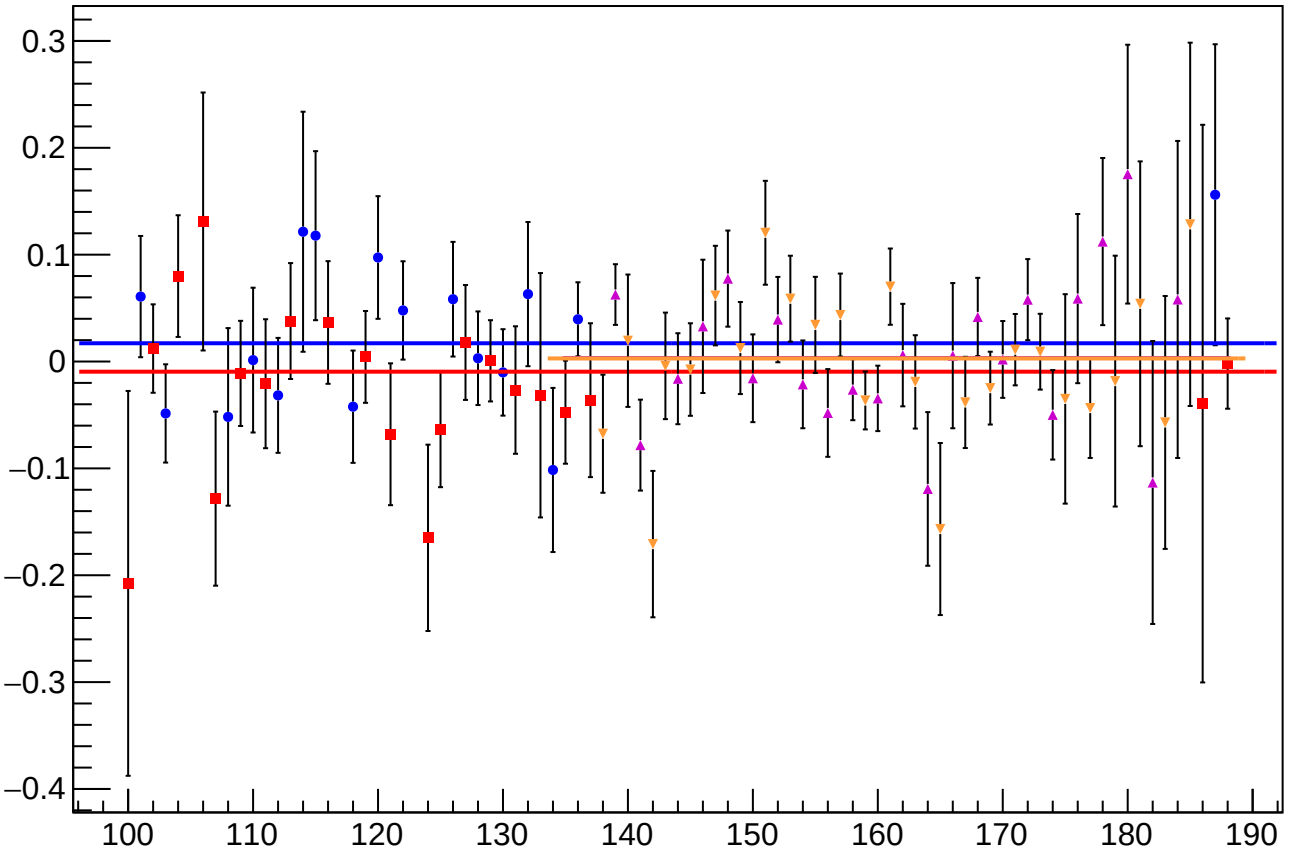
Left: 36.612+/-0.005 χ^2/NDF: 6859658.6/47

Right: 34.760+/-0.006 χ^2/NDF: 1554439.4/37

In: 35.480+/-0.005 χ^2/NDF:3577231.2/39

Out: 36.488+/-0.005 χ^2/NDF:4873195.6/45

All: 35.990+/-0.004 χ^2/NDF: 8468455.8/85



Right In: 0.017+/-0.013 χ^2/NDF: 15.7/16

Left Out: 0.003+/-0.009 χ^2/NDF:32.9/24

Right Out: -0.010+/-0.013 χ^2/NDF: 15.2/20

Left In: 0.003+/-0.009 χ^2/NDF:29.8/22

Left: 0.003+/-0.007 χ^2/NDF: 62.7/47

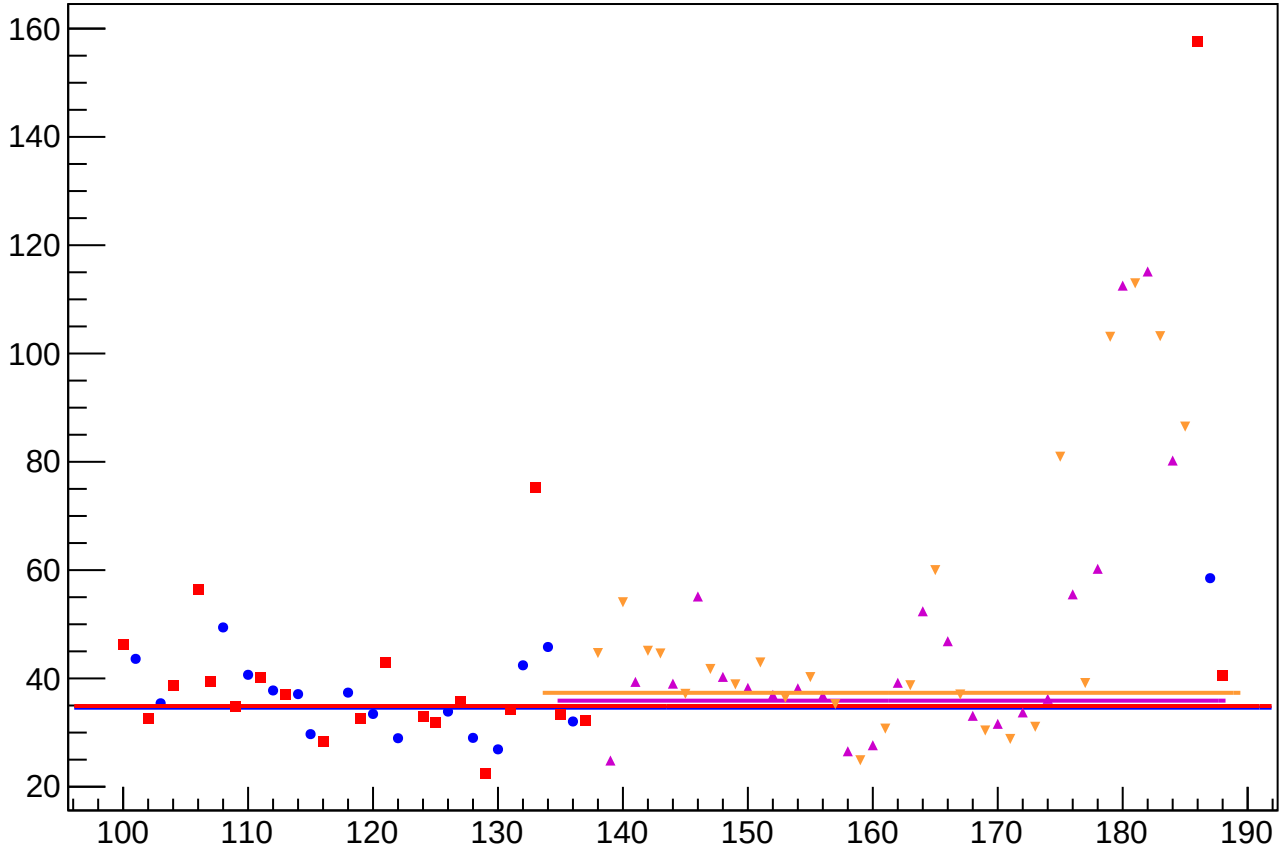
Right: 0.003+/-0.009 χ^2/NDF: 33.0/37

In: 0.008+/-0.008 χ^2/NDF:46.3/39

Out: -0.001+/-0.007 χ^2/NDF:48.7/45

All: 0.003+/-0.005 χ^2/NDF: 95.7/85

asym_sam_12345678_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.598+/-0.009 χ^2/NDF: 426067.9/16

Left Out: 37.344+/-0.007 χ^2/NDF:3696647.0/24

Right Out: 34.904+/-0.009 χ^2/NDF: 1127814.3/20

Left In: 35.896+/-0.006 χ^2/NDF:3138291.6/22

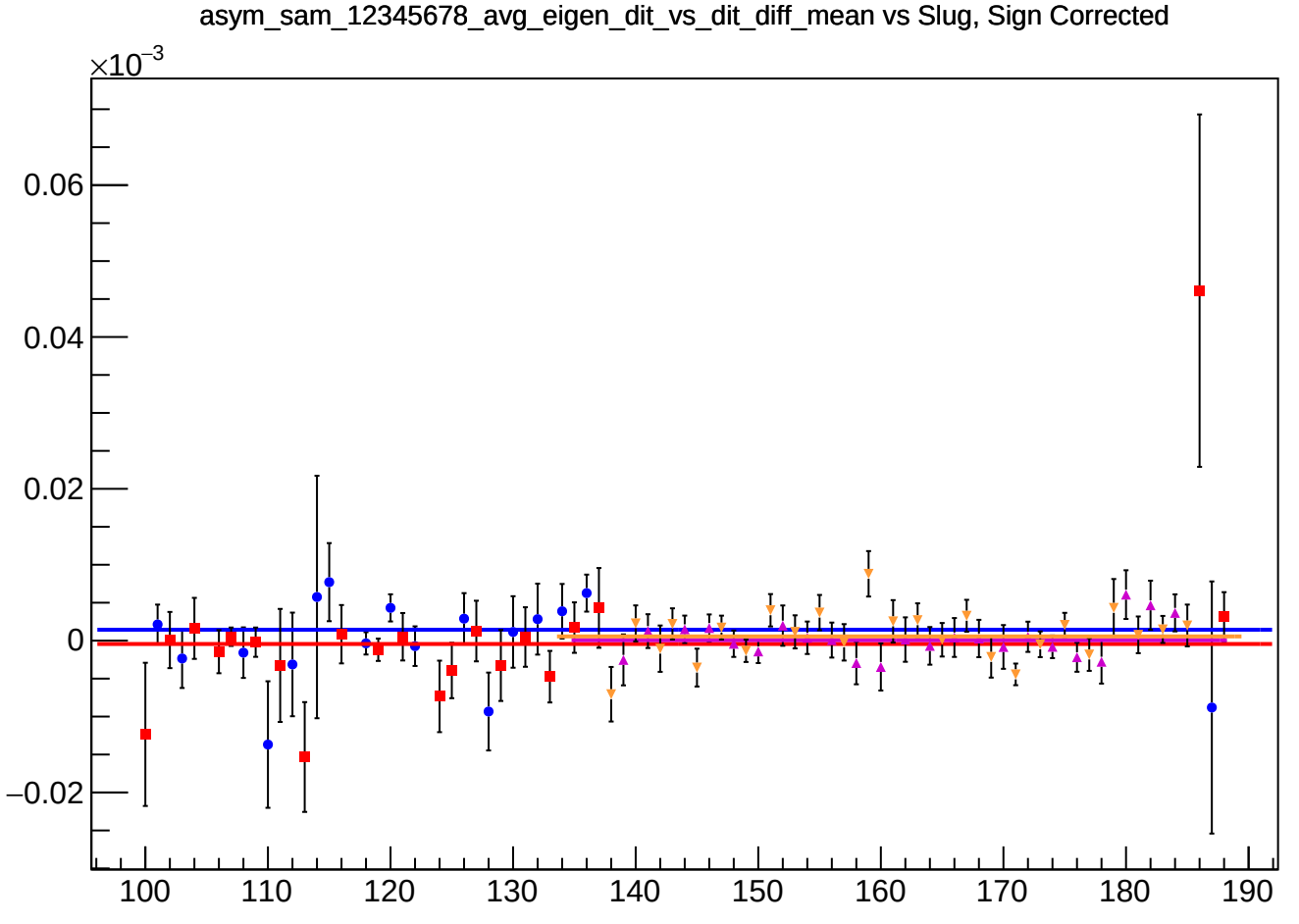
Left: 36.612+/-0.005 χ^2/NDF: 6859658.6/47

Right: 34.760+/-0.006 χ^2/NDF: 1554439.4/37

In: 35.480+/-0.005 χ^2/NDF:3577231.2/39

Out: 36.488+/-0.005 χ^2/NDF:4873195.6/45

All: 35.990+/-0.004 χ^2/NDF: 8468455.8/85



Right In: 0.000+/-0.000 χ^2/NDF: 21.4/16

Left Out: 0.000+/-0.000 χ^2/NDF:43.5/24

Right Out: -0.000+/-0.000 χ^2/NDF: 19.3/20

Left In: 0.000+/-0.000 χ^2/NDF:16.9/22

Left: 0.000+/-0.000 χ^2/NDF: 61.1/47

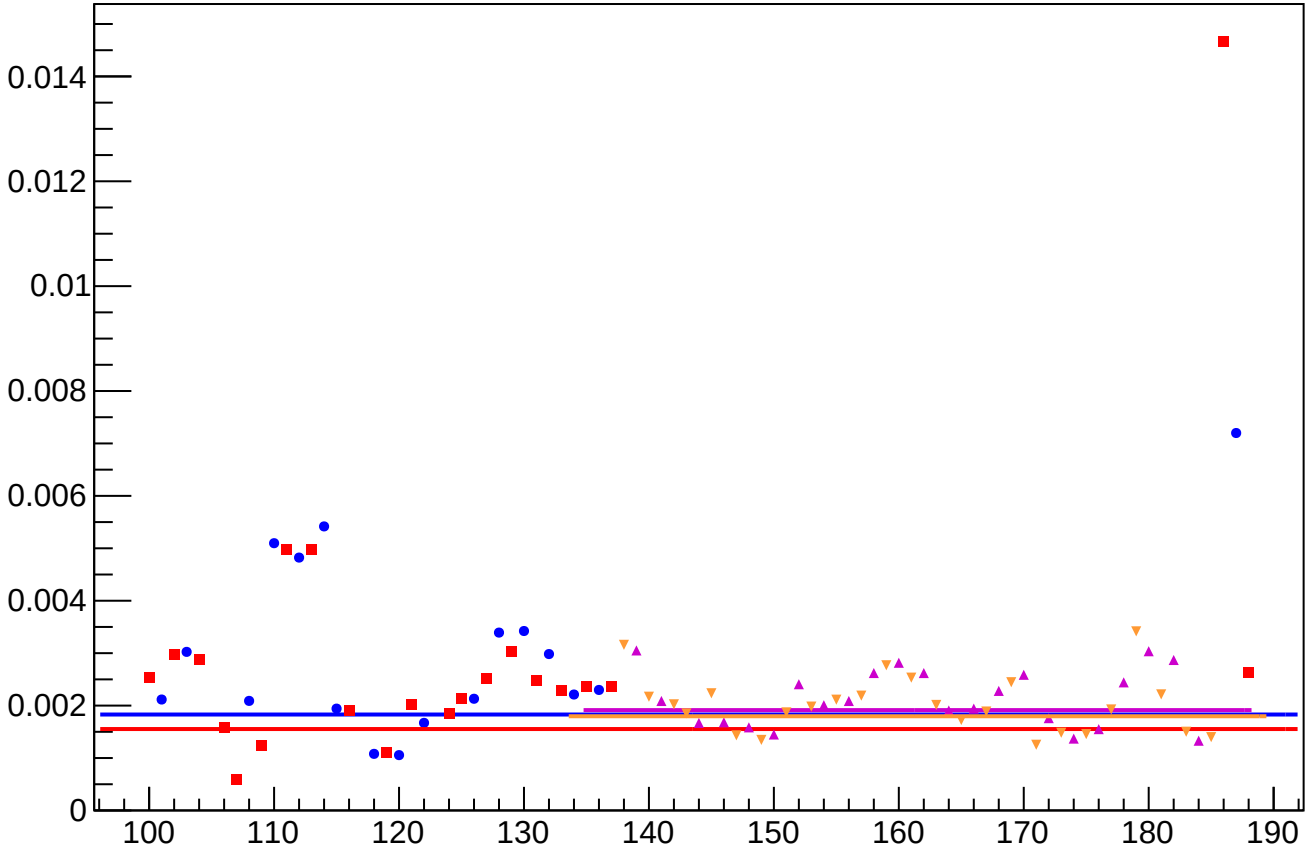
Right: 0.000+/-0.000 χ^2/NDF: 44.3/37

In: 0.000+/-0.000 χ^2/NDF:40.7/39

Out: 0.000+/-0.000 χ^2/NDF:64.5/45

All: 0.000+/-0.000 χ^2/NDF: 105.3/85

asym_sam_12345678_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 2779788.3/16

Left Out: 0.002+/-0.000 χ^2/NDF:2279340.7/24

Right Out: 0.002+/-0.000 χ^2/NDF: 4562896.4/20

Left In: 0.002+/-0.000 χ^2/NDF:2171715.8/22

Left: 0.002+/-0.000 χ^2/NDF: 4520286.4/47

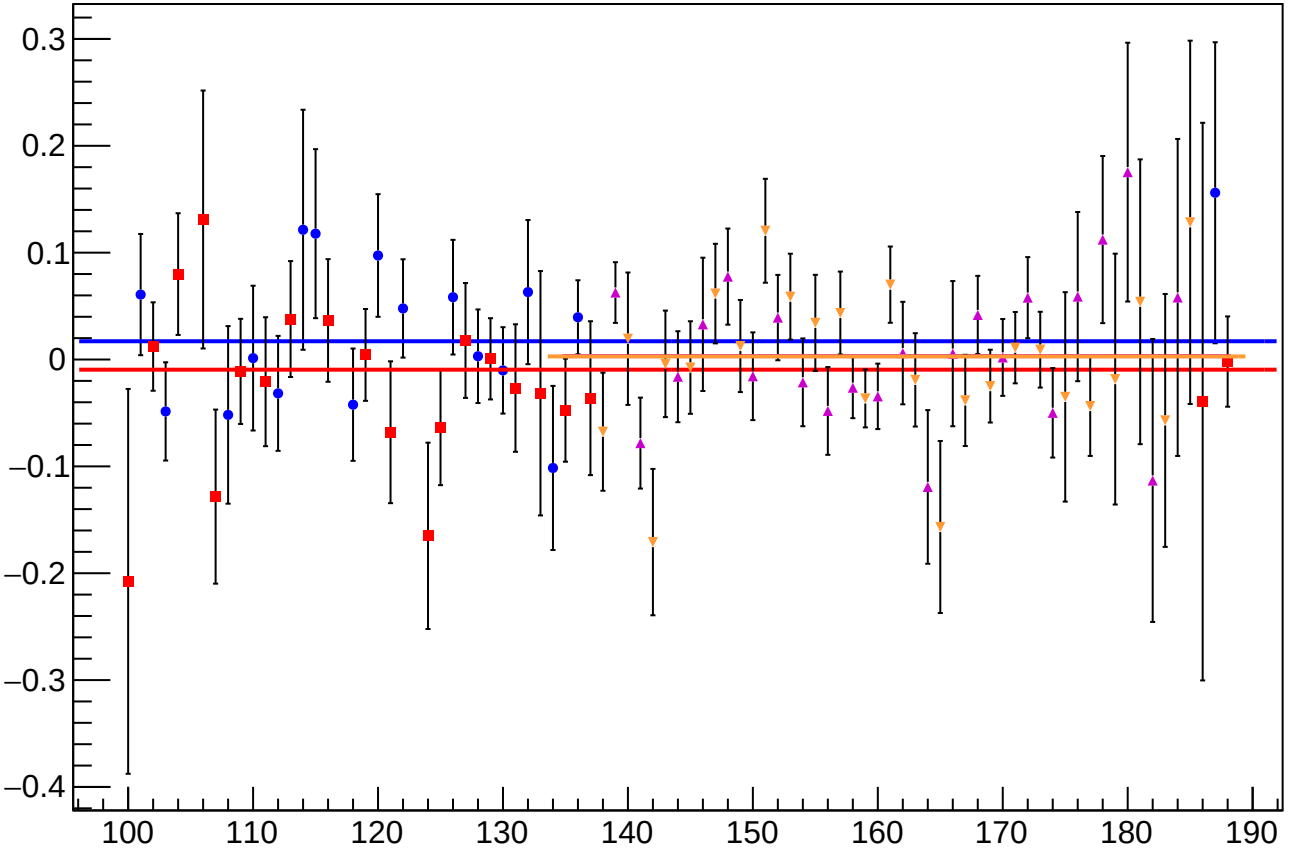
Right: 0.002+/-0.000 χ^2/NDF: 7501187.3/37

In: 0.002+/-0.000 χ^2/NDF:4969629.9/39

Out: 0.002+/-0.000 χ^2/NDF:7046935.8/45

All: 0.002+/-0.000 χ^2/NDF: 12220629.2/85

asym_sam_12345678_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.017+/-0.013 χ^2/NDF: 15.7/16

Left Out: 0.003+/-0.009 χ^2/NDF:32.9/24

Right Out: -0.010+/-0.013 χ^2/NDF: 15.2/20

Left In: 0.003+/-0.009 χ^2/NDF:29.8/22

Left: 0.003+/-0.007 χ^2/NDF: 62.7/47

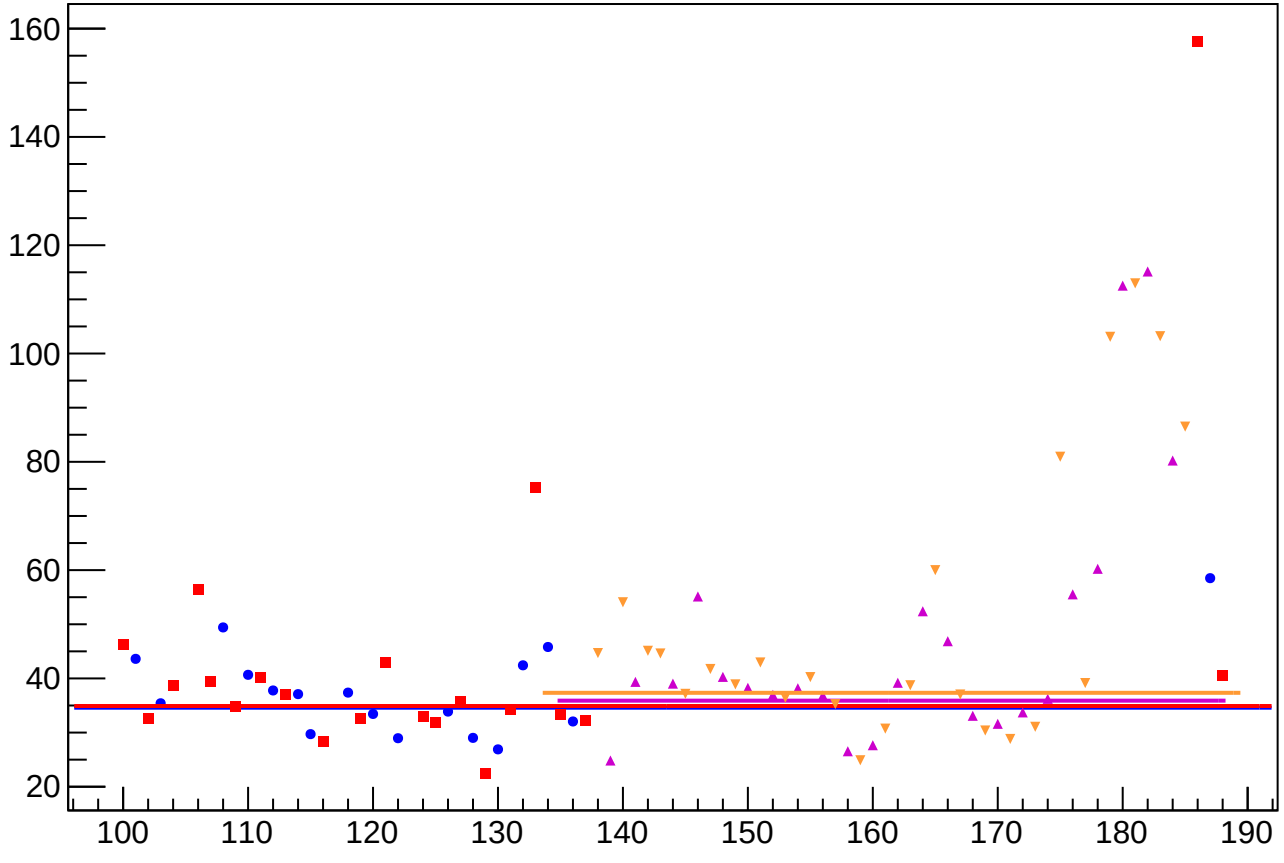
Right: 0.003+/-0.009 χ^2/NDF: 33.0/37

In: 0.008+/-0.008 χ^2/NDF:46.3/39

Out: -0.001+/-0.007 χ^2/NDF:48.7/45

All: 0.003+/-0.005 χ^2/NDF: 95.7/85

asym_sam_12345678_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.597+/-0.009 χ^2/NDF: 426139.8/16

Left Out: 37.344+/-0.007 χ^2/NDF:3696697.3/24

Right Out: 34.904+/-0.009 χ^2/NDF: 1127888.5/20

Left In: 35.896+/-0.006 χ^2/NDF:3138307.4/22

Left: 36.612+/-0.005 χ^2/NDF: 6859720.7/47

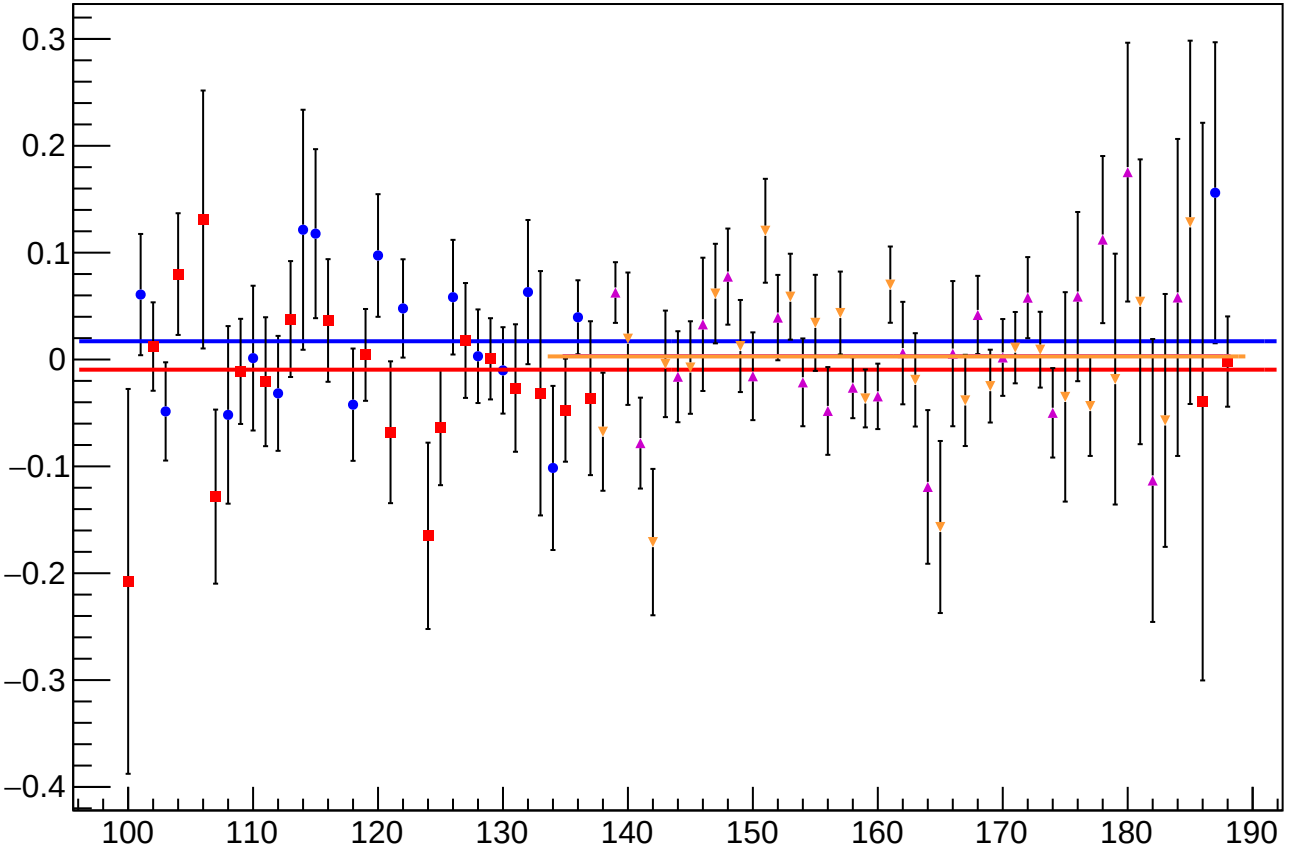
Right: 34.759+/-0.006 χ^2/NDF: 1554586.7/37

In: 35.480+/-0.005 χ^2/NDF:3577340.1/39

Out: 36.488+/-0.005 χ^2/NDF:4873345.8/45

All: 35.990+/-0.004 χ^2/NDF: 8468715.3/85

asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.017+/-0.013 χ^2/NDF: 15.7/16

Left Out: 0.003+/-0.009 χ^2/NDF:32.9/24

Right Out: -0.010+/-0.013 χ^2/NDF: 15.2/20

Left In: 0.003+/-0.009 χ^2/NDF:29.8/22

Left: 0.003+/-0.007 χ^2/NDF: 62.7/47

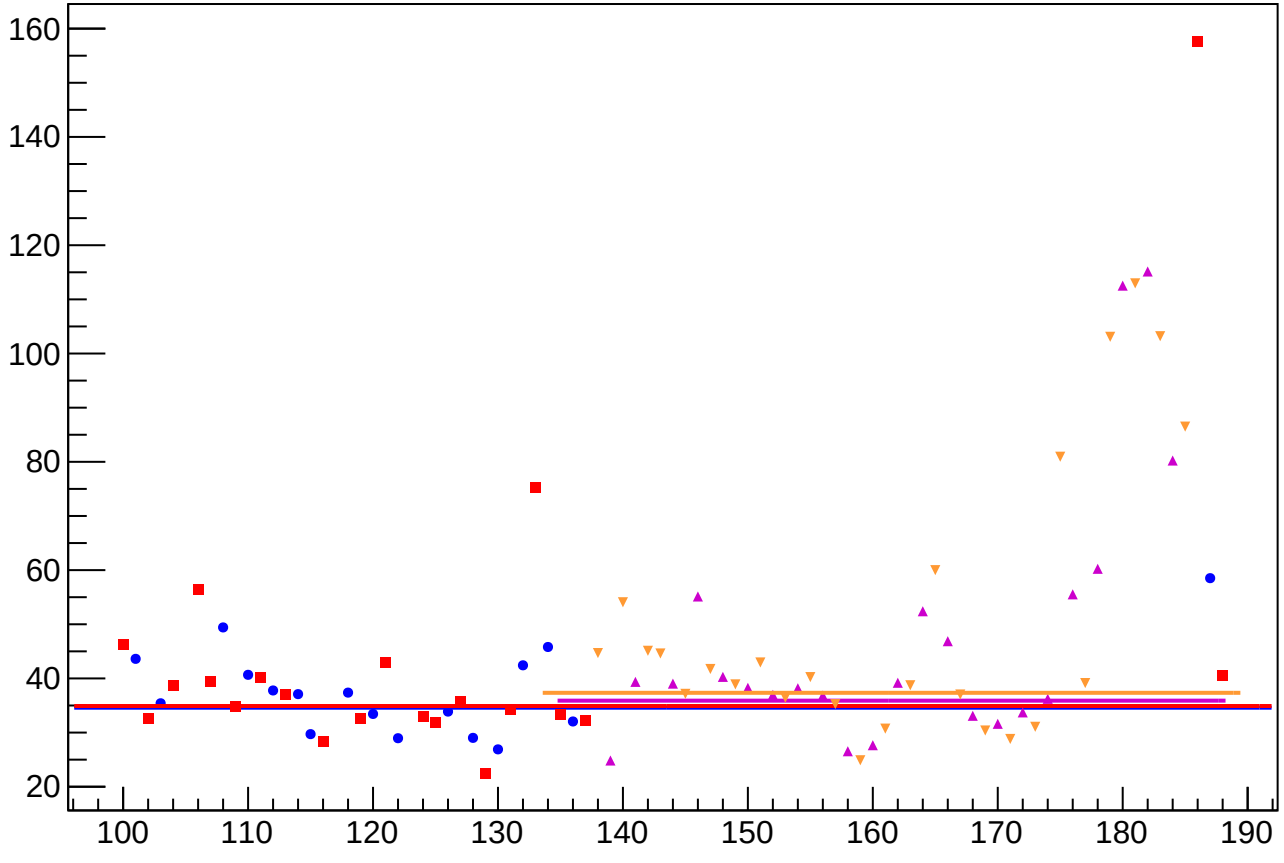
Right: 0.003+/-0.009 χ^2/NDF: 33.0/37

In: 0.008+/-0.008 χ^2/NDF:46.3/39

Out: -0.001+/-0.007 χ^2/NDF:48.7/45

All: 0.003+/-0.005 χ^2/NDF: 95.7/85

asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.597+/-0.009 χ^2/NDF: 426139.8/16

Left Out: 37.344+/-0.007 χ^2/NDF:3696697.3/24

Right Out: 34.904+/-0.009 χ^2/NDF: 1127888.5/20

Left In: 35.896+/-0.006 χ^2/NDF:3138307.4/22

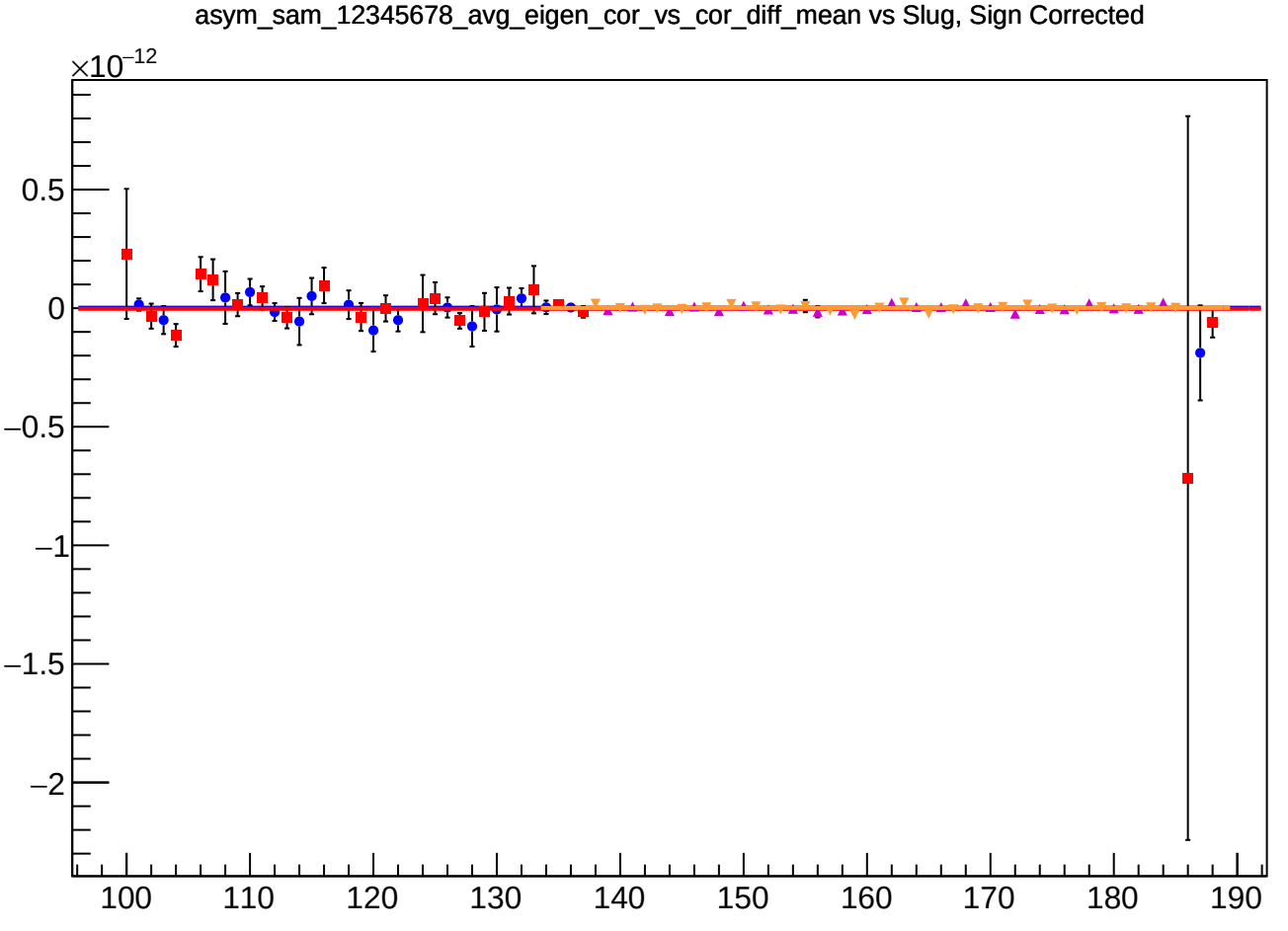
Left: 36.612+/-0.005 χ^2/NDF: 6859720.7/47

Right: 34.759+/-0.006 χ^2/NDF: 1554586.7/37

In: 35.480+/-0.005 χ^2/NDF:3577340.1/39

Out: 36.488+/-0.005 χ^2/NDF:4873345.8/45

All: 35.990+/-0.004 χ^2/NDF: 8468715.3/85



Right In: 0.000+/-0.000 χ^2/NDF: 8.6/16

Left Out: 0.000+/-0.000 χ^2/NDF:21.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 22.6/20

Left In: 0.000+/-0.000 χ^2/NDF:29.2/22

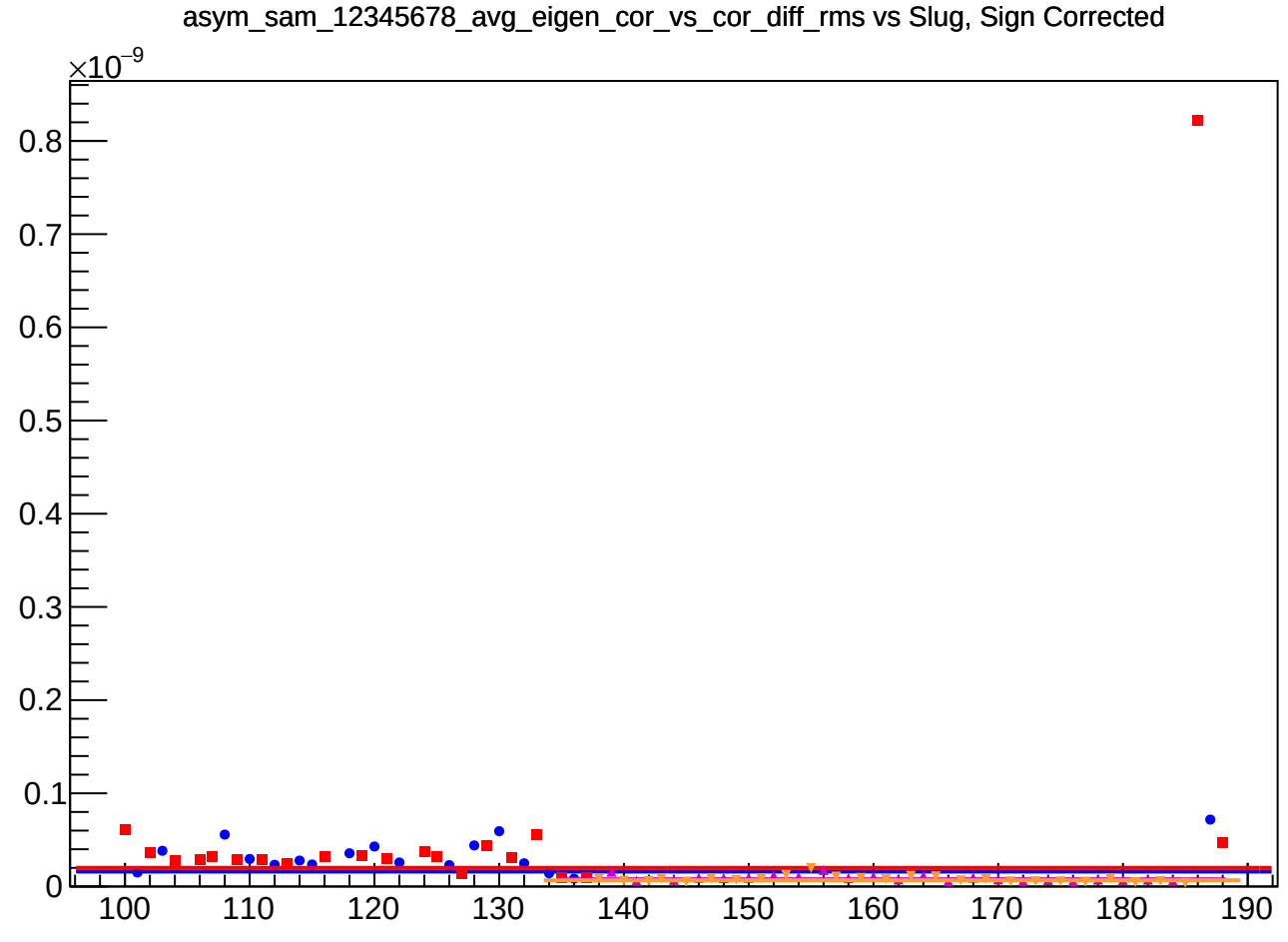
Left: 0.000+/-0.000 χ^2/NDF: 50.6/47

Right: 0.000+/-0.000 χ^2/NDF: 31.3/37

In: 0.000+/-0.000 χ^2/NDF:37.8/39

Out: 0.000+/-0.000 χ^2/NDF:44.1/45

All: 0.000+/-0.000 χ^2/NDF: 81.9/85



Right In: 0.000+/-0.000 χ^2/NDF: 2977507.2/16

Left Out: 0.000+/-0.000 χ^2/NDF:2192403.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3371737.0/20

Left In: 0.000+/-0.000 χ^2/NDF:1582294.4/22

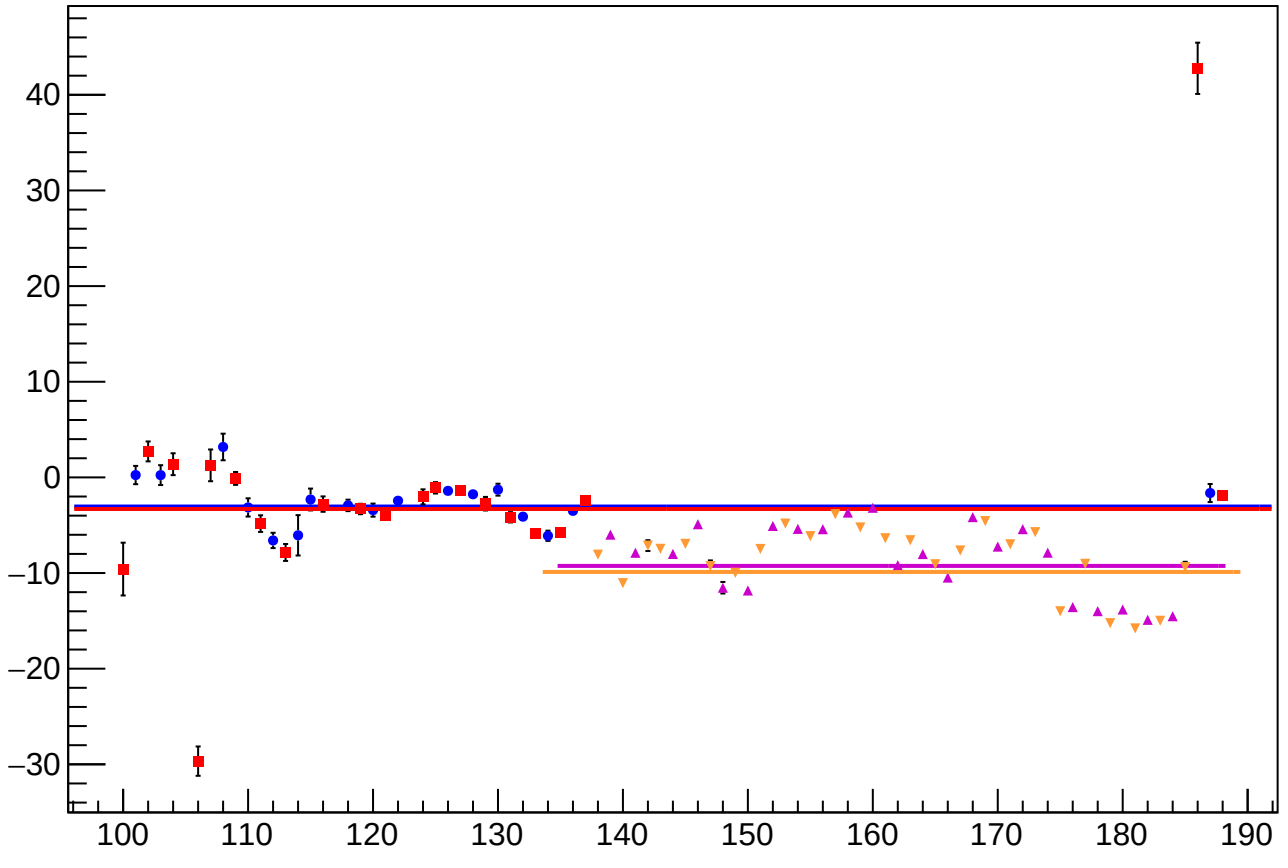
Left: 0.000+/-0.000 χ^2/NDF: 4027727.7/47

Right: 0.000+/-0.000 χ^2/NDF: 6527034.8/37

In: 0.000+/-0.000 χ^2/NDF:6257972.4/39

Out: 0.000+/-0.000 χ^2/NDF:8938427.6/45

All: 0.000+/-0.000 χ^2/NDF: 15468651.3/85



Right In: -3.048+/-0.134 χ^2/NDF: 136.1/16

Left Out: -9.886+/-0.070 χ^2/NDF:3206.9/24

Right Out: -3.302+/-0.128 χ^2/NDF: 856.1/20

Left In: -9.255+/-0.072 χ^2/NDF:3067.6/22

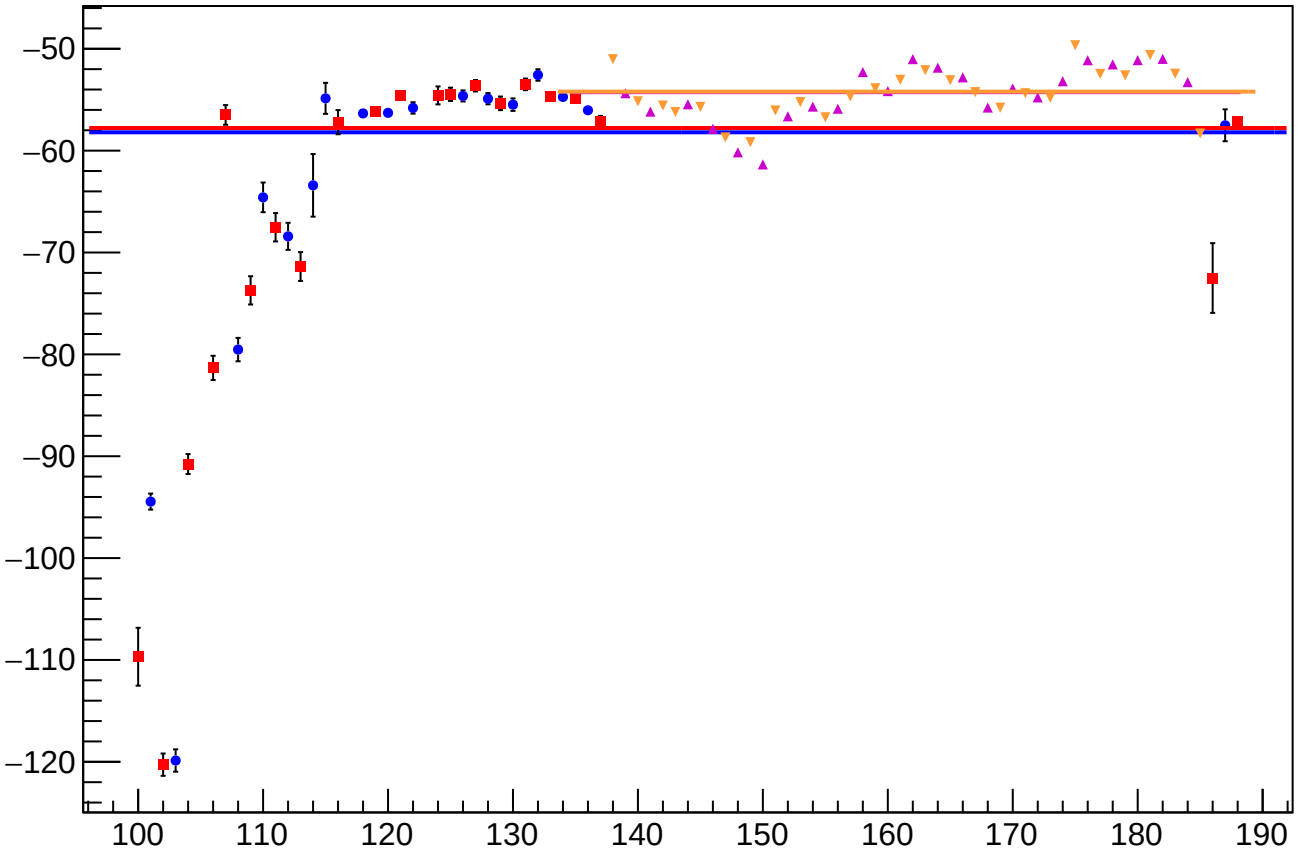
Left: -9.580+/-0.050 χ^2/NDF: 6314.6/47

Right: -3.180+/-0.093 χ^2/NDF: 994.0/37

In: -7.873+/-0.063 χ^2/NDF:4875.1/39

Out: -8.395+/-0.061 χ^2/NDF:6094.4/45

All: -8.142+/-0.044 χ^2/NDF: 11004.7/85



Right In: -58.199+/-0.135 χ^2/NDF: 6127.1/16

Left Out: -54.206+/-0.056 χ^2/NDF:1857.6/24

Right Out: -57.775+/-0.133 χ^2/NDF: 5813.0/20

Left In: -54.257+/-0.058 χ^2/NDF:2489.9/22

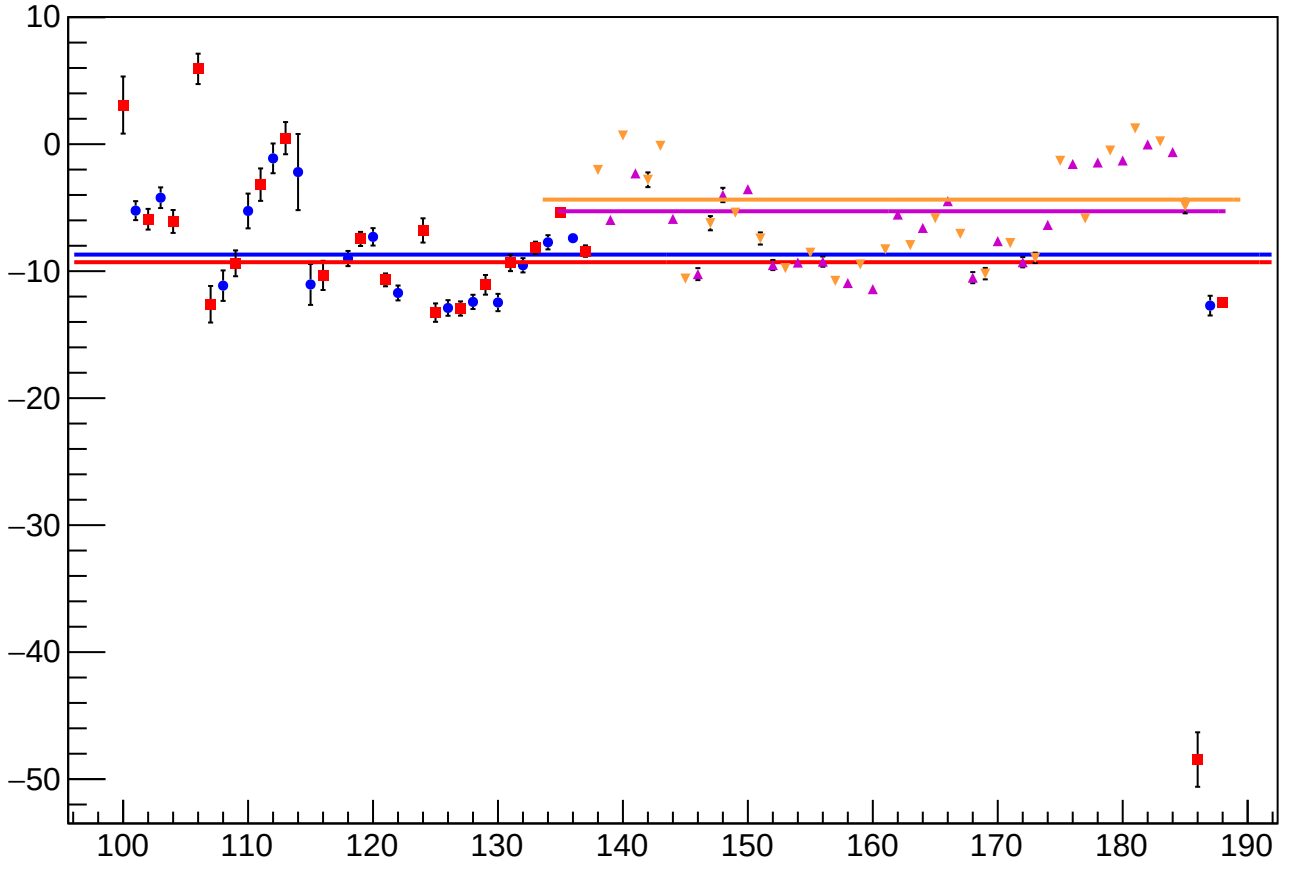
Left: -54.230+/-0.040 χ^2/NDF: 4347.9/47

Right: -57.984+/-0.095 χ^2/NDF: 11945.2/37

In: -54.876+/-0.054 χ^2/NDF:9335.2/39

Out: -54.741+/-0.051 χ^2/NDF:8282.7/45

All: -54.806+/-0.037 χ^2/NDF: 17621.2/85



Right In: -8.695+/-0.142 χ^2/NDF: 328.4/16

Left Out: -4.366+/-0.069 χ^2/NDF:3701.4/24

Right Out: -9.294+/-0.132 χ^2/NDF: 1040.7/20

Left In: -5.283+/-0.071 χ^2/NDF:2750.2/22

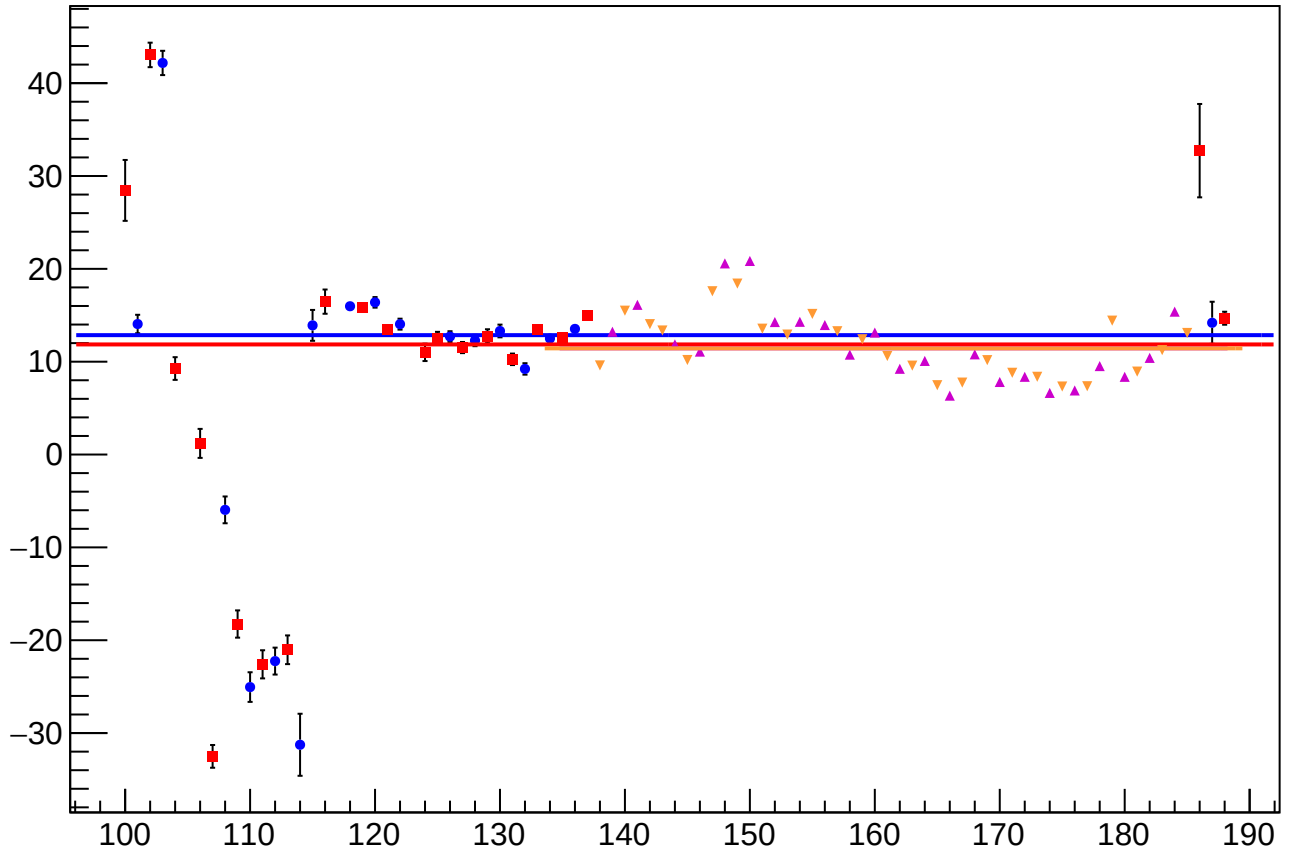
Left: -4.813+/-0.050 χ^2/NDF: 6536.9/47

Right: -9.017+/-0.097 χ^2/NDF: 1378.6/37

In: -5.964+/-0.064 χ^2/NDF:3538.8/39

Out: -5.431+/-0.061 χ^2/NDF:5836.4/45

All: -5.688+/-0.044 χ^2/NDF: 9411.6/85



Right In: 12.859+/-0.150 χ^2/NDF: 2128.8/16

Left Out: 11.438+/-0.062 χ^2/NDF:2435.7/24

Right Out: 11.858+/-0.151 χ^2/NDF: 3533.4/20

Left In: 11.441+/-0.064 χ^2/NDF:3358.4/22

Left: 11.439+/-0.045 χ^2/NDF: 5794.1/47

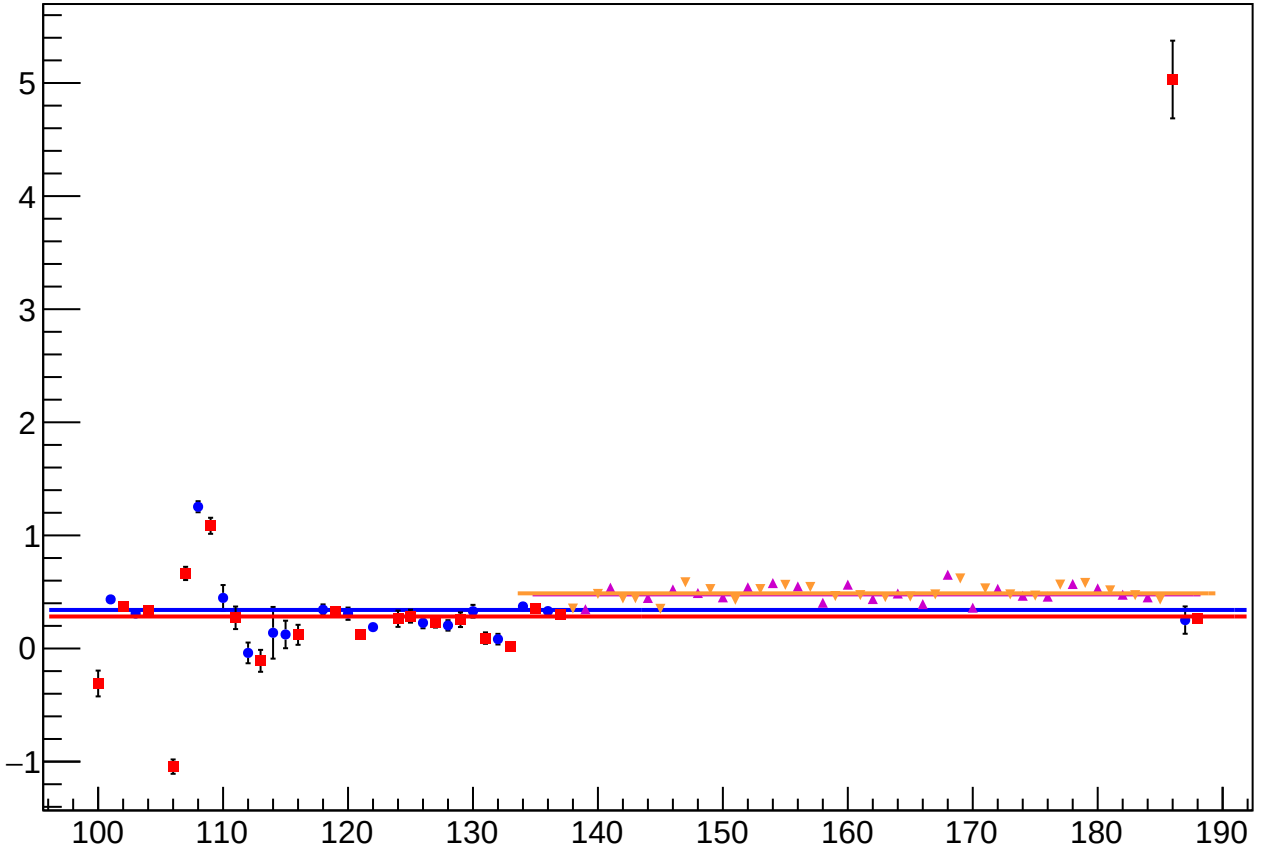
Right: 12.363+/-0.107 χ^2/NDF: 5684.2/37

In: 11.660+/-0.059 χ^2/NDF:5562.7/39

Out: 11.498+/-0.057 χ^2/NDF:5975.7/45

All: 11.577+/-0.041 χ^2/NDF: 11542.2/85

reg_asym_sam1_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.341+/-0.008 χ^2/NDF: 435.3/16

Left Out: 0.488+/-0.003 χ^2/NDF:539.4/24

Right Out: 0.283+/-0.008 χ^2/NDF: 969.0/20

Left In: 0.478+/-0.003 χ^2/NDF:798.2/22

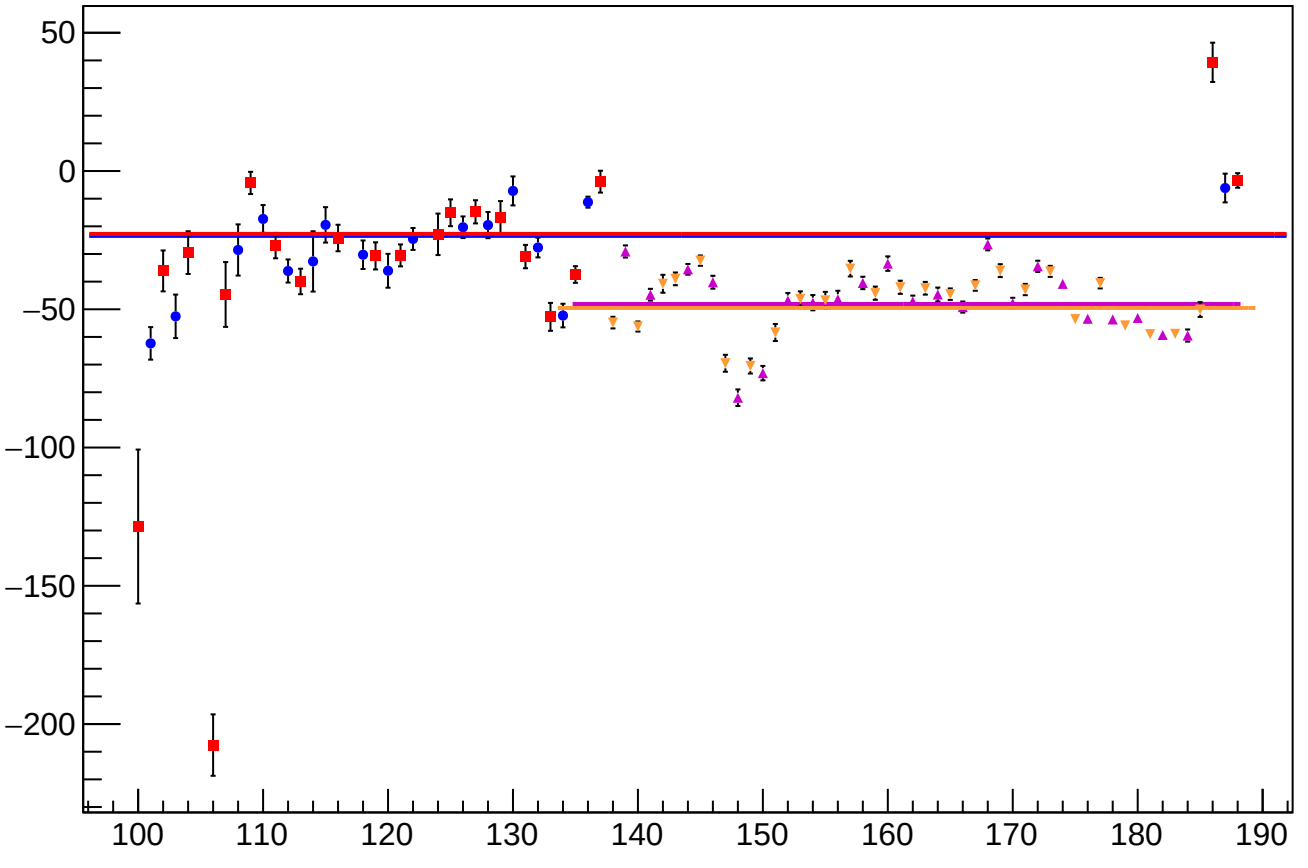
Left: 0.483+/-0.002 χ^2/NDF: 1343.4/47

Right: 0.313+/-0.006 χ^2/NDF: 1430.3/37

In: 0.463+/-0.003 χ^2/NDF:1506.1/39

Out: 0.467+/-0.003 χ^2/NDF:2072.3/45

All: 0.465+/-0.002 χ^2/NDF: 3579.6/85



Right In: -23.448+/-1.063 χ^2/NDF: 182.3/16

Left Out: -49.516+/-0.402 χ^2/NDF:576.3/24

Right Out: -22.739+/-1.033 χ^2/NDF: 563.8/20

Left In: -48.087+/-0.418 χ^2/NDF:706.2/22

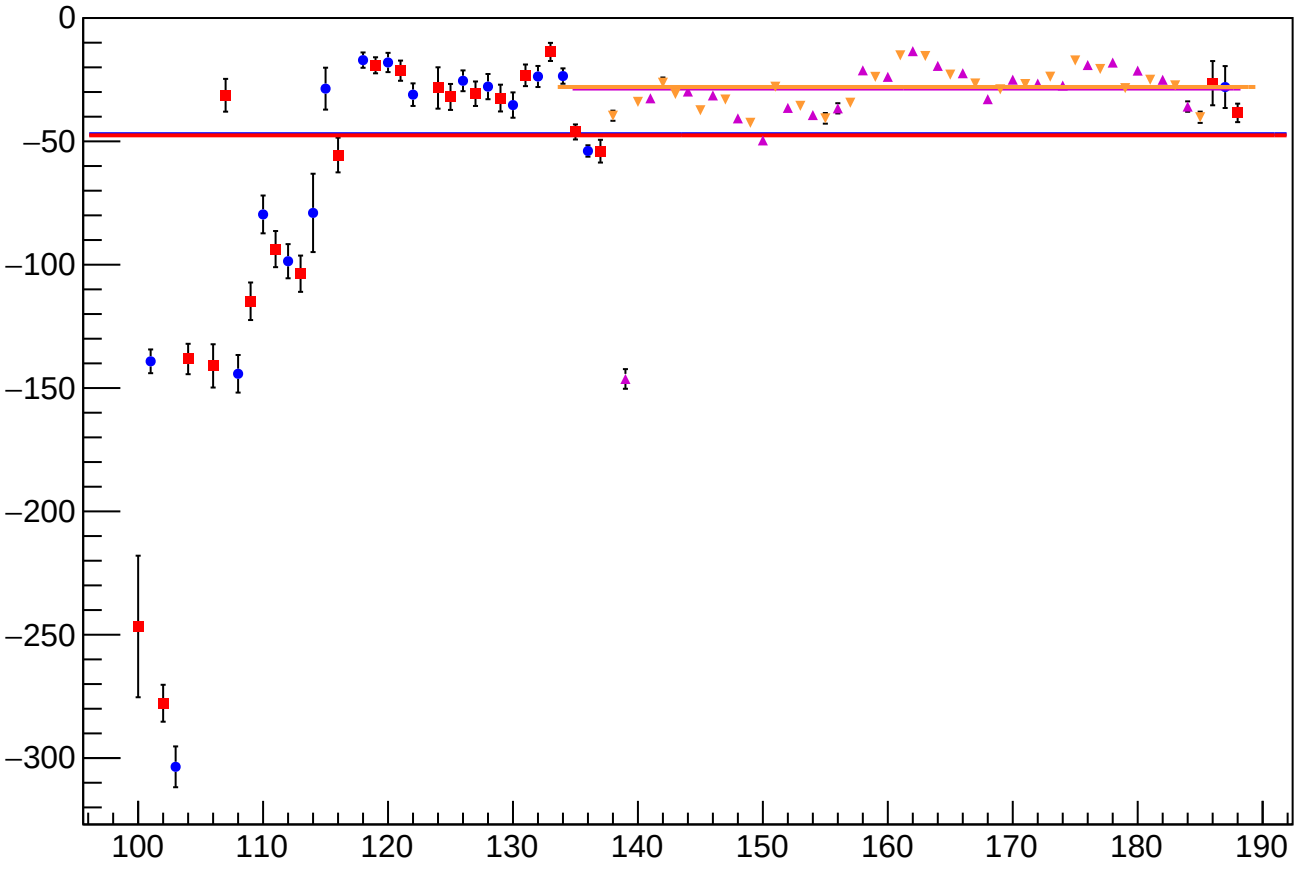
Left: -48.829+/-0.290 χ^2/NDF: 1288.6/47

Right: -23.083+/-0.741 χ^2/NDF: 746.3/37

In: -44.782+/-0.389 χ^2/NDF:1353.4/39

Out: -45.990+/-0.375 χ^2/NDF:1723.2/45

All: -45.409+/-0.270 χ^2/NDF: 3081.6/85



Right In: -47.100+/-1.092 χ^2/NDF: 1878.6/16

Left Out: -27.957+/-0.321 χ^2/NDF:497.7/24

Right Out: -47.557+/-1.119 χ^2/NDF: 1787.2/20

Left In: -28.592+/-0.334 χ^2/NDF:1480.6/22

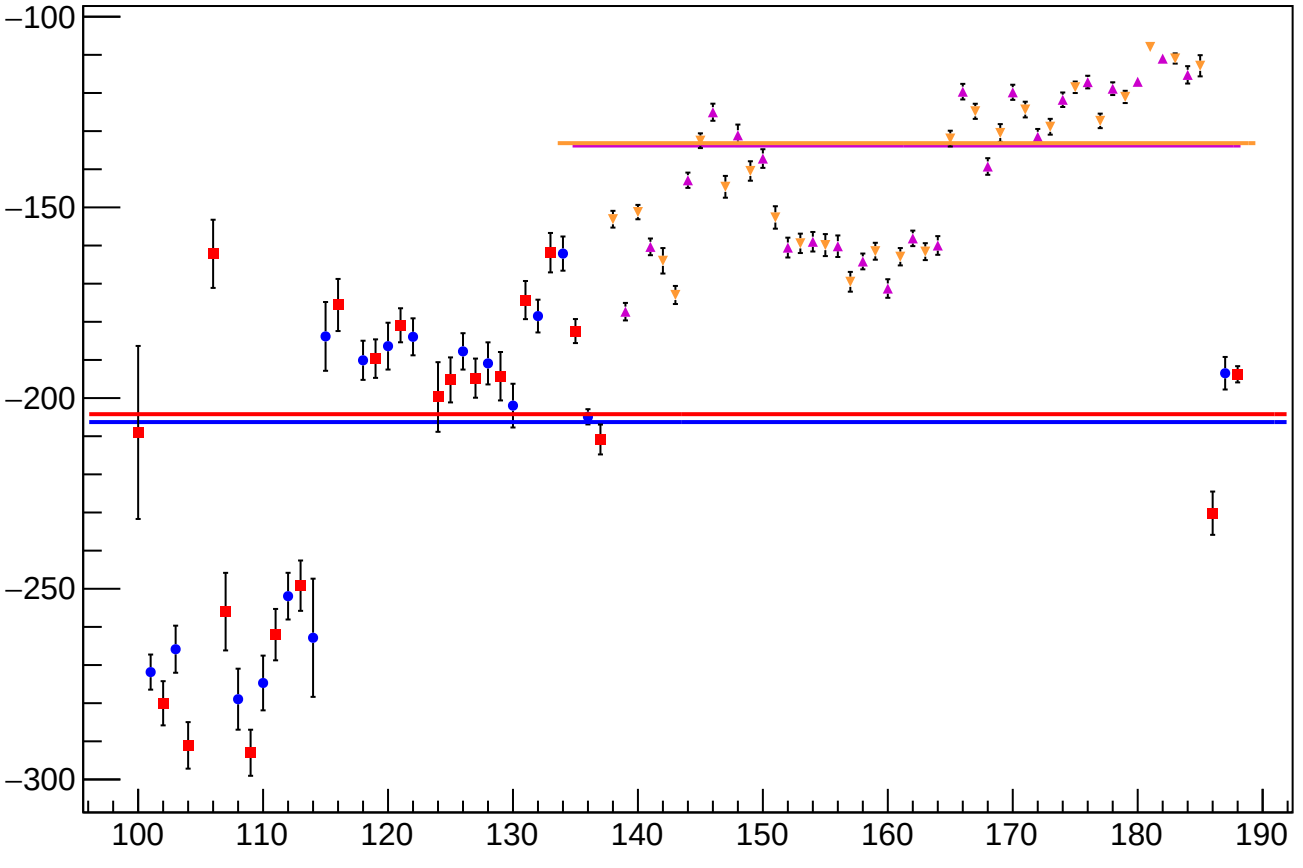
Left: -28.263+/-0.231 χ^2/NDF: 1980.2/47

Right: -47.323+/-0.781 χ^2/NDF: 3665.9/37

In: -30.173+/-0.319 χ^2/NDF:3622.1/39

Out: -29.449+/-0.309 χ^2/NDF:2568.5/45

All: -29.799+/-0.222 χ^2/NDF: 6193.2/85



Right In: -206.290+/-1.136 χ^2/NDF: 758.2/16

Left Out: -133.155+/-0.403 χ^2/NDF:2530.7/24

Right Out: -204.219+/-1.077 χ^2/NDF: 1018.1/20

Left In: -133.777+/-0.417 χ^2/NDF:2440.7/22

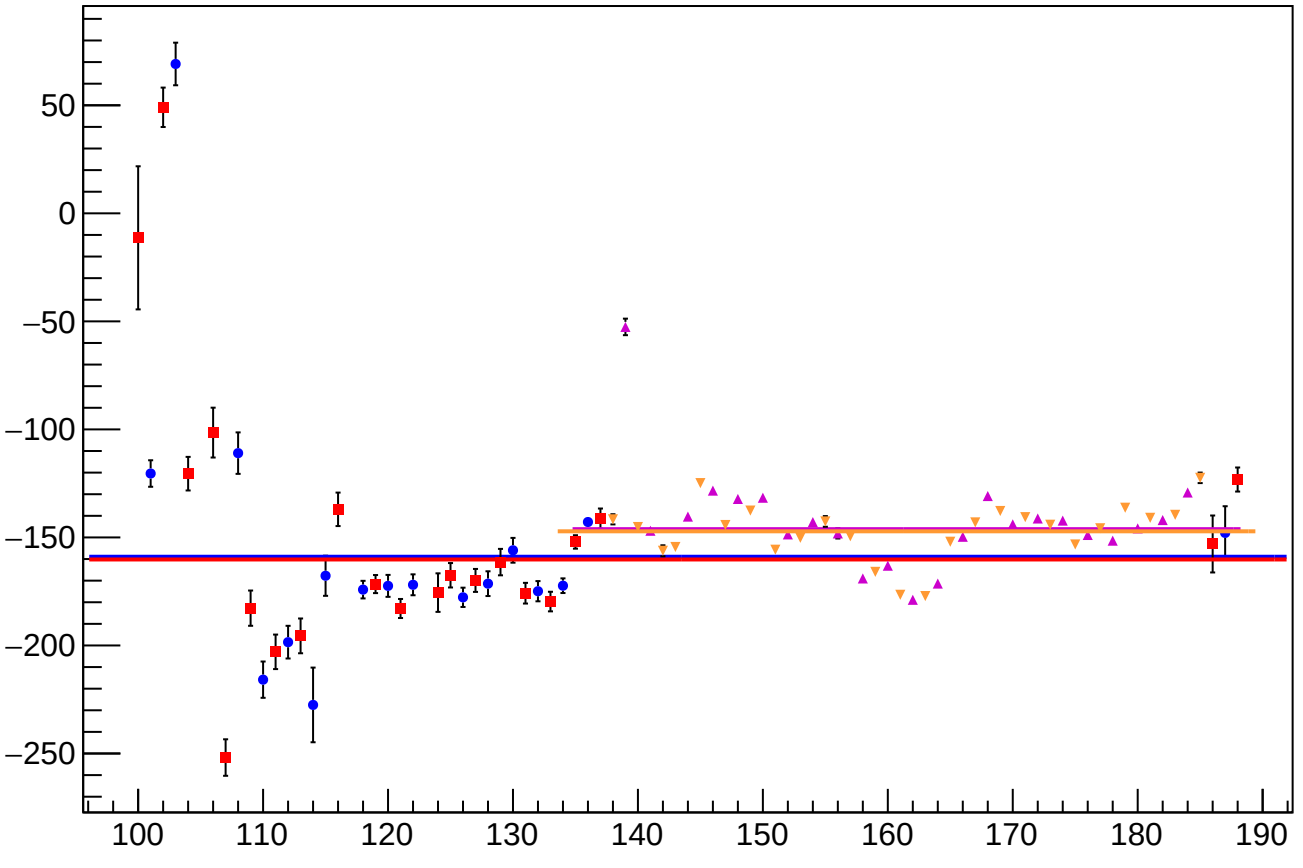
Left: -133.455+/-0.290 χ^2/NDF: 4972.5/47

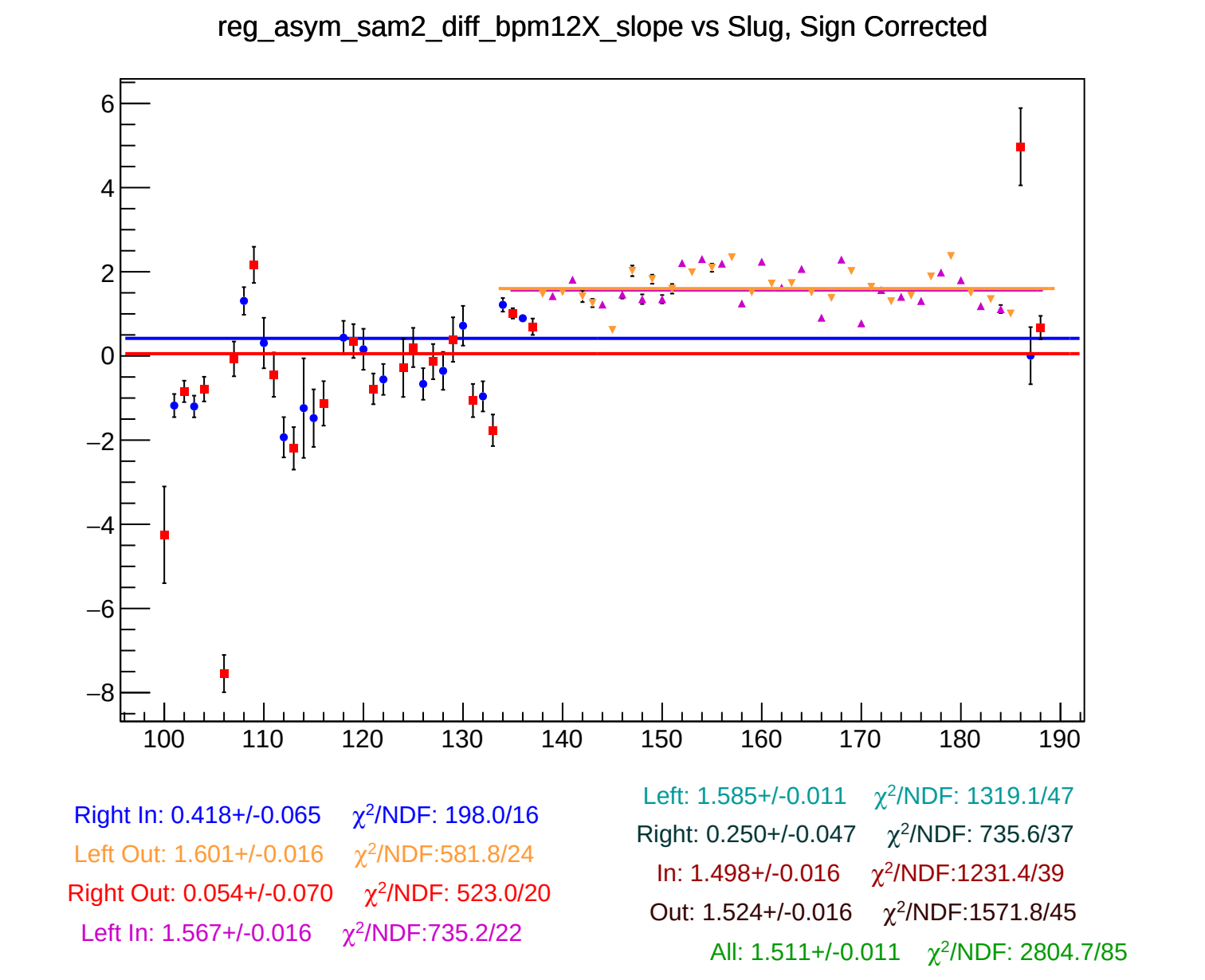
Right: -205.199+/-0.781 χ^2/NDF: 1778.1/37

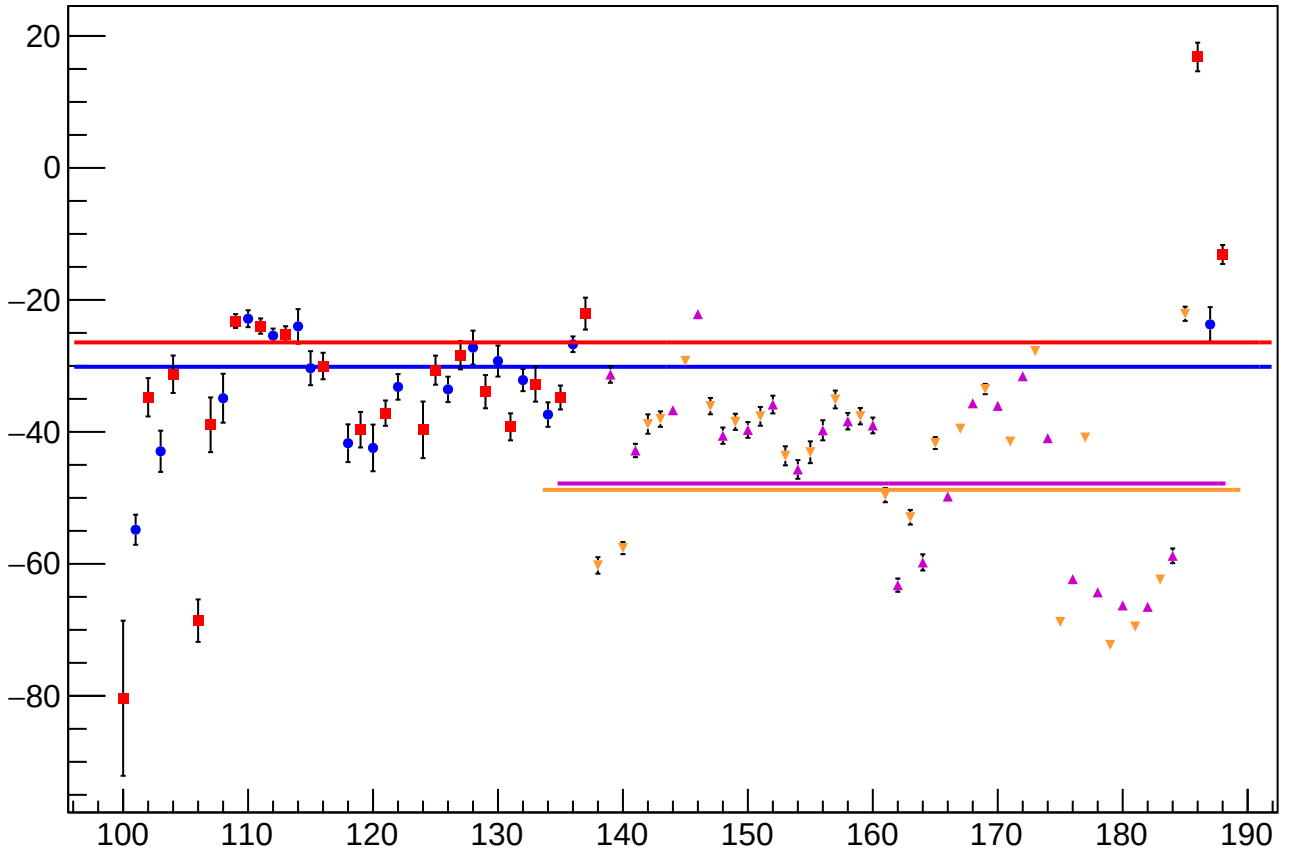
In: -142.389+/-0.391 χ^2/NDF:6790.5/39

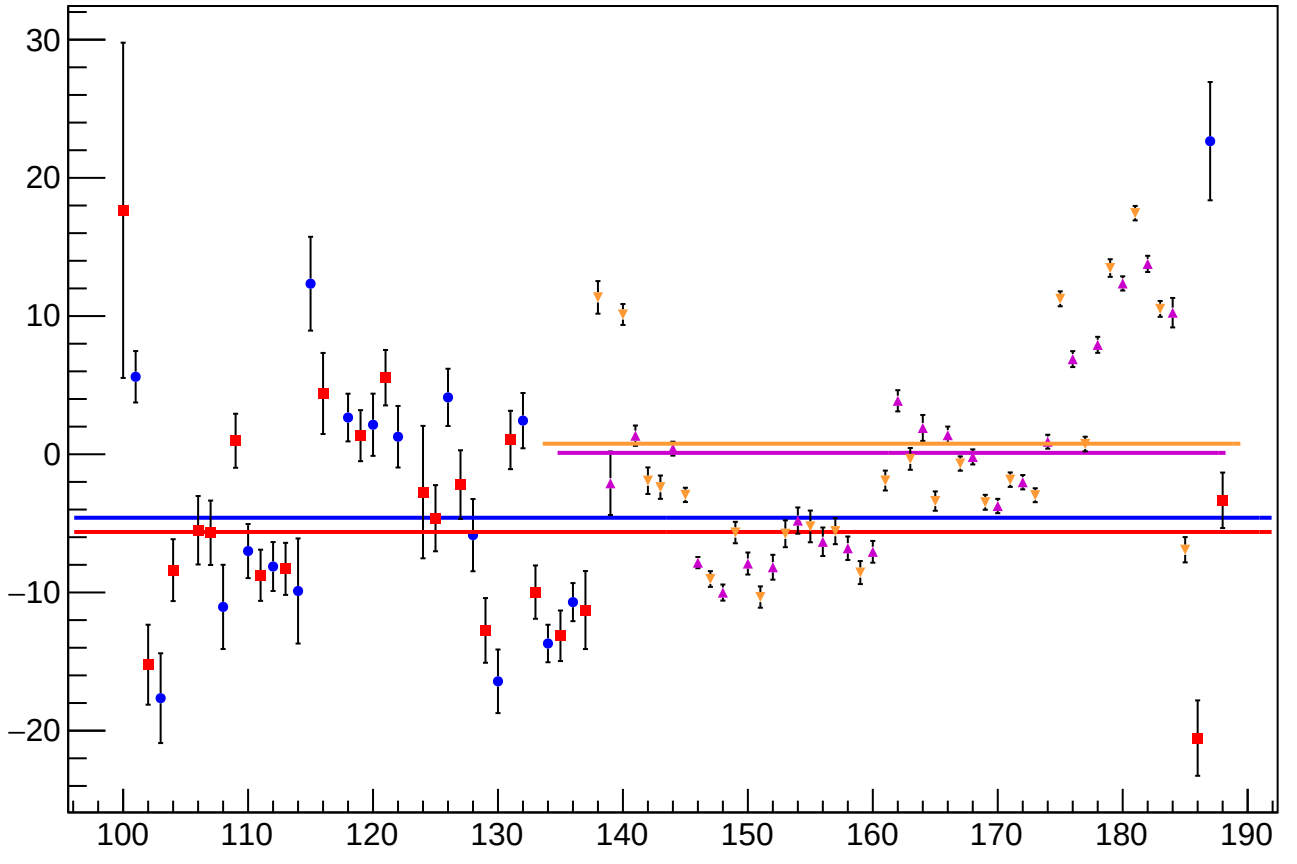
Out: -141.882+/-0.377 χ^2/NDF:7368.8/45

All: -142.126+/-0.272 χ^2/NDF: 14160.1/85


reg_asym_sam2_diff_bpm4eY_slope vs Slug, Sign Corrected
50
0
−50
−100
−150
−200
−250
100
110
120
130
140
150
160
170
180
190
Right In: -158.940+/-1.219 χ²/NDF: 816.6/16
Left Out: -147.167+/-0.358 χ²/NDF:1245.6/24
Right Out: -160.203+/-1.282 χ²/NDF: 919.7/20
Left In: -146.173+/-0.371 χ²/NDF:1793.8/22
Left: -146.687+/-0.258 χ²/NDF: 3043.1/47
Right: -159.540+/-0.884 χ²/NDF: 1736.8/37
In: -147.252+/-0.355 χ²/NDF:2710.7/39
Out: -148.110+/-0.345 χ²/NDF:2261.3/45
All: -147.693+/-0.247 χ²/NDF: 4975.0/85


reg_asym_sam2_diff_bpm12X_slope vs Slug, Sign Corrected
6
4
2
0
−2
−4
−6
−8
100
110
120
130
140
150
160
170
180
190
Right In: 0.418+/-0.065 χ²/NDF: 198.0/16
Left Out: 1.601+/-0.016 χ²/NDF:581.8/24
Right Out: 0.054+/-0.070 χ²/NDF: 523.0/20
Left In: 1.567+/-0.016 χ²/NDF:735.2/22
Left: 1.585+/-0.011 χ²/NDF: 1319.1/47
Right: 0.250+/-0.047 χ²/NDF: 735.6/37
In: 1.498+/-0.016 χ²/NDF:1231.4/39
Out: 1.524+/-0.016 χ²/NDF:1571.8/45
All: 1.511+/-0.011 χ²/NDF: 2804.7/85


reg_asym_sam3_diff_bpm1X_slope vs Slug, Sign Corrected
20
0
−20
−40
−60
−80
100
110
120
130
140
150
160
170
180
190
Right In: -30.135+/-0.461 χ²/NDF: 259.8/16
Left Out: -48.783+/-0.167 χ²/NDF:8953.8/24
Right Out: -26.439+/-0.422 χ²/NDF: 862.6/20
Left In: -47.822+/-0.170 χ²/NDF:7223.0/22
Left: -48.311+/-0.119 χ²/NDF: 16193.1/47
Right: -28.125+/-0.311 χ²/NDF: 1157.4/37
In: -45.701+/-0.159 χ²/NDF:8781.0/39
Out: -45.761+/-0.155 χ²/NDF:12244.4/45
All: -45.732+/-0.111 χ²/NDF: 21025.6/85



Right In: -4.593+/-0.506 χ^2/NDF: 278.4/16

Left Out: 0.765+/-0.132 χ^2/NDF:3467.2/24

Right Out: -5.622+/-0.498 χ^2/NDF: 168.2/20

Left In: 0.102+/-0.133 χ^2/NDF:2721.8/22

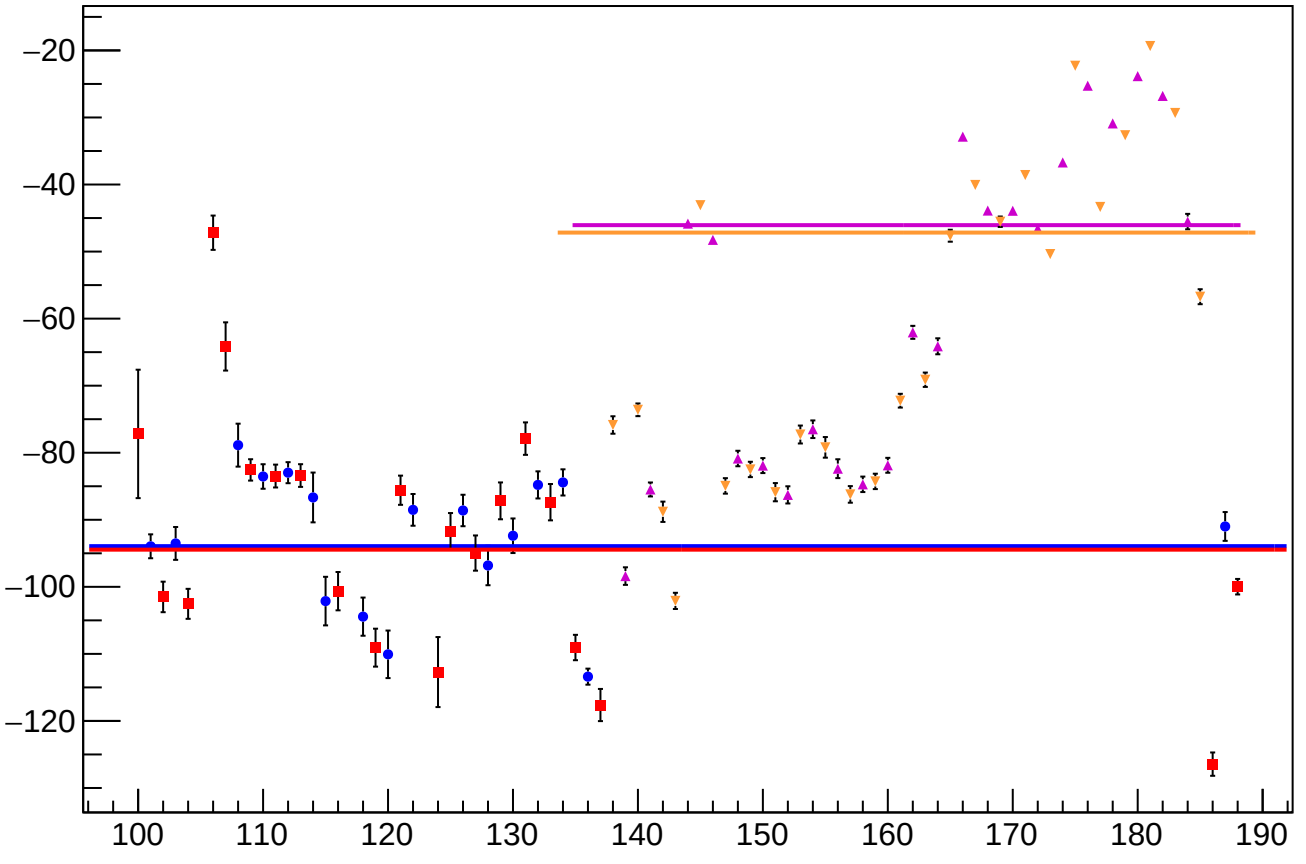
Left: 0.435+/-0.094 χ^2/NDF: 6201.6/47

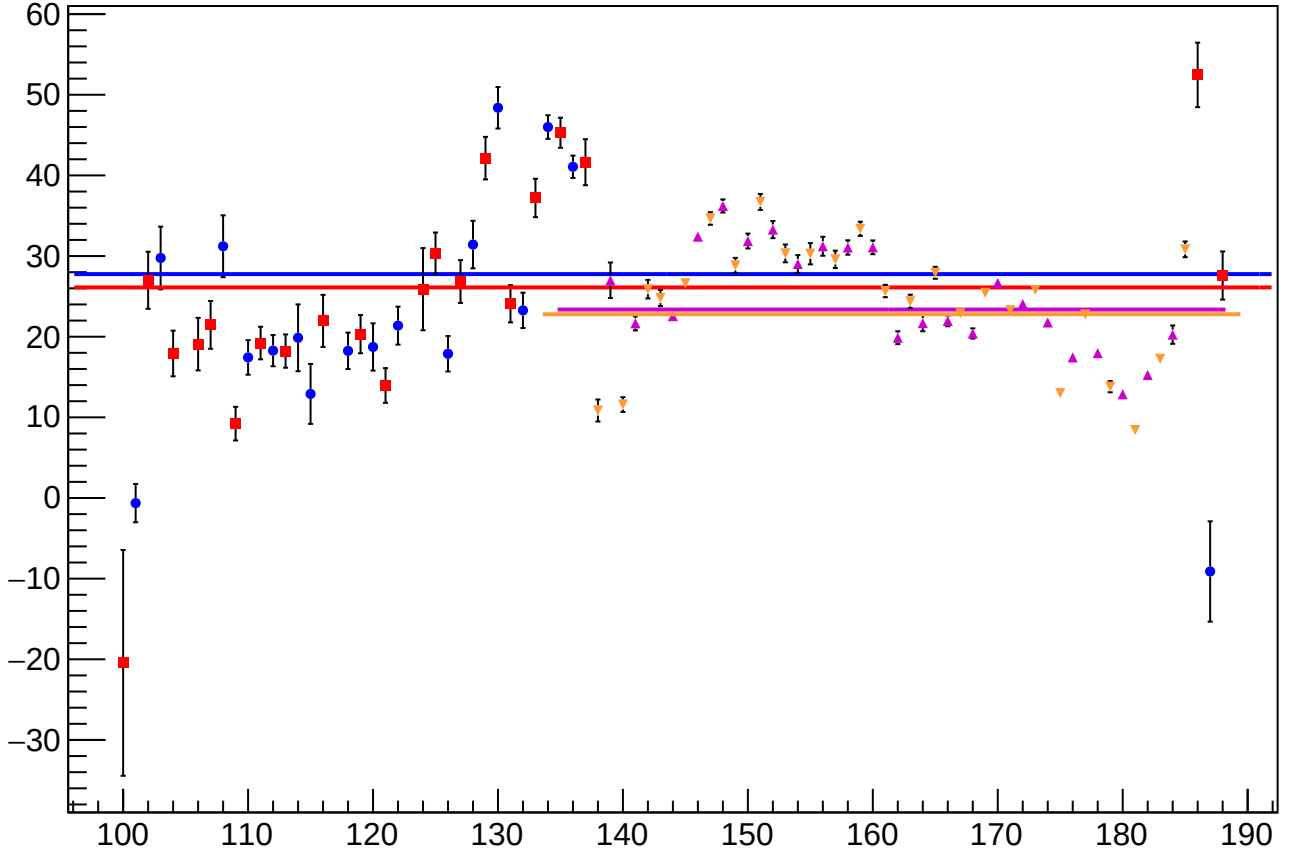
Right: -5.116+/-0.355 χ^2/NDF: 448.8/37

In: -0.201+/-0.129 χ^2/NDF:3080.8/39

Out: 0.345+/-0.128 χ^2/NDF:3789.0/45

All: 0.073+/-0.091 χ^2/NDF: 6878.9/85


reg_asym_sam3_diff_bpm4eX_slope vs Slug, Sign Corrected
−20
−40
−60
−80
−100
−120
100
110
120
130
140
150
160
170
180
190
Right In: -93.932+/-0.521 χ²/NDF: 468.8/16
Left Out: -47.167+/-0.168 χ²/NDF:17658.5/24
Right Out: -94.456+/-0.473 χ²/NDF: 1213.7/20
Left In: -46.058+/-0.170 χ²/NDF:14769.8/22
Left: -46.621+/-0.119 χ²/NDF: 32449.9/47
Right: -94.219+/-0.350 χ²/NDF: 1683.1/37
In: -50.673+/-0.162 χ²/NDF:22868.3/39
Out: -52.437+/-0.158 χ²/NDF:27749.6/45
All: -51.576+/-0.113 χ²/NDF: 50678.8/85



Right In: 27.760+/-0.567 χ^2/NDF: 618.5/16

Left Out: 22.782+/-0.147 χ^2/NDF:2412.9/24

Right Out: 26.110+/-0.573 χ^2/NDF: 399.5/20

Left In: 23.366+/-0.149 χ^2/NDF:1785.4/22

Left: 23.071+/-0.105 χ^2/NDF: 4206.1/47

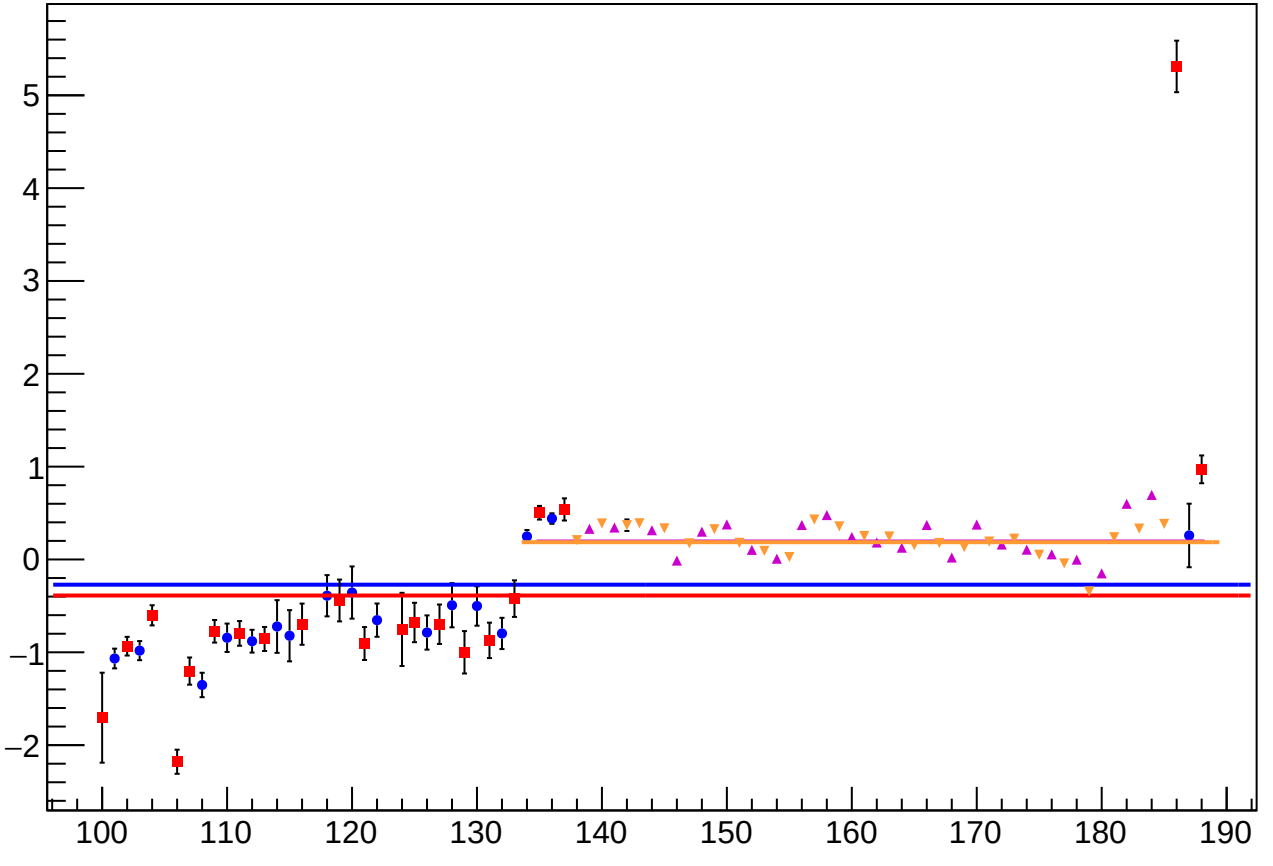
Right: 26.945+/-0.403 χ^2/NDF: 1022.2/37

In: 23.649+/-0.144 χ^2/NDF:2460.1/39

Out: 22.988+/-0.143 χ^2/NDF:2844.1/45

All: 23.316+/-0.101 χ^2/NDF: 5314.9/85

reg_asym_sam3_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.272+/-0.031 χ^2/NDF: 458.0/16

Left Out: 0.186+/-0.007 χ^2/NDF:645.7/24

Right Out: -0.388+/-0.032 χ^2/NDF: 1033.8/20

Left In: 0.193+/-0.007 χ^2/NDF:938.2/22

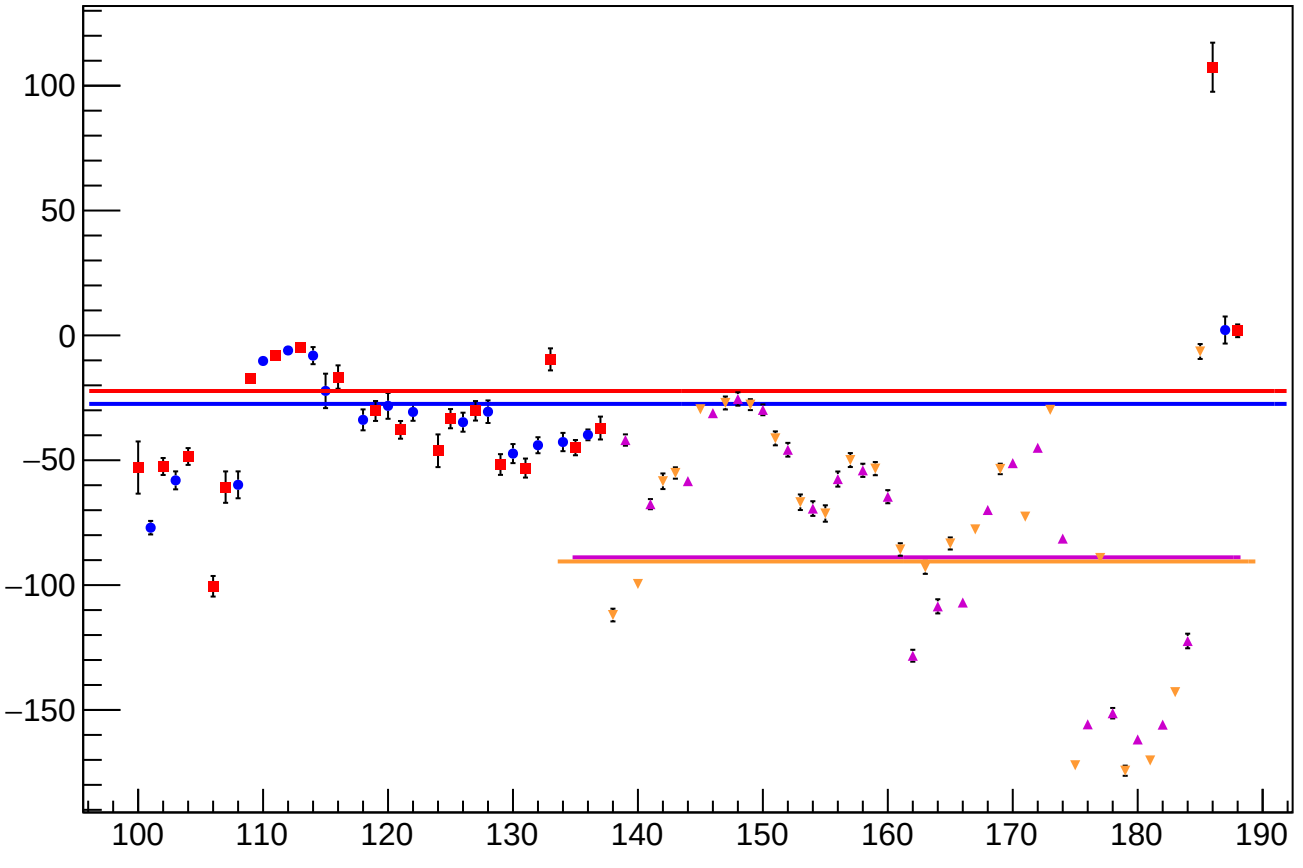
Left: 0.190+/-0.005 χ^2/NDF: 1584.4/47

Right: -0.328+/-0.022 χ^2/NDF: 1498.8/37

In: 0.172+/-0.007 χ^2/NDF:1617.8/39

Out: 0.163+/-0.006 χ^2/NDF:1991.1/45

All: 0.167+/-0.005 χ^2/NDF: 3609.9/85



Right In: -27.434+/-0.721 χ^2/NDF: 925.0/16

Left Out: -90.534+/-0.421 χ^2/NDF:15358.6/24

Right Out: -22.268+/-0.640 χ^2/NDF: 1264.1/20

Left In: -88.888+/-0.435 χ^2/NDF:11815.7/22

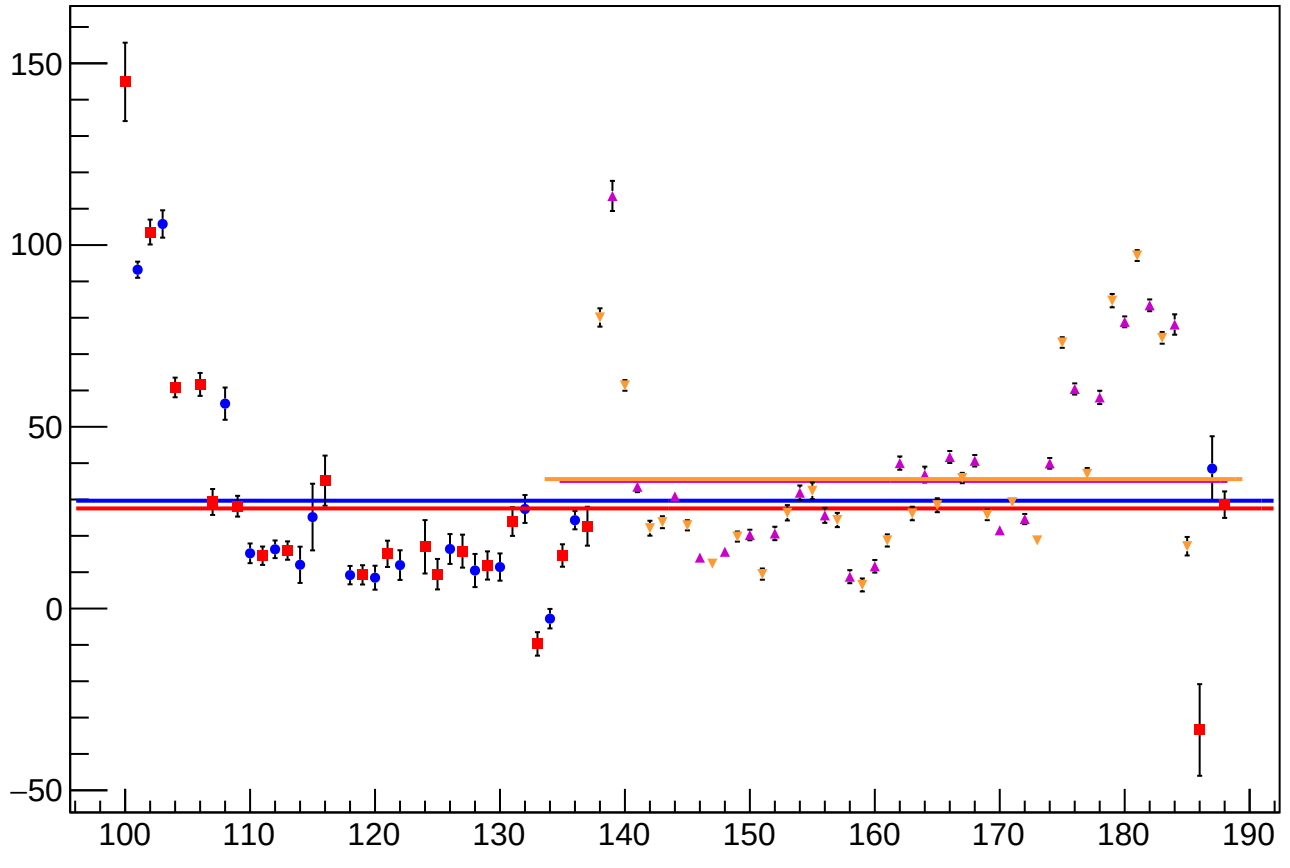
Left: -89.736+/-0.302 χ^2/NDF: 27181.7/47

Right: -24.545+/-0.479 χ^2/NDF: 2217.8/37

In: -72.519+/-0.372 χ^2/NDF:18069.0/39

Out: -69.906+/-0.352 χ^2/NDF:24557.2/45

All: -71.139+/-0.256 χ^2/NDF: 42652.2/85



Right In: 29.667+/-0.804 χ^2/NDF: 1666.7/16

Left Out: 35.612+/-0.326 χ^2/NDF:5973.0/24

Right Out: 27.542+/-0.777 χ^2/NDF: 1208.6/20

Left In: 35.112+/-0.336 χ^2/NDF:4144.4/22

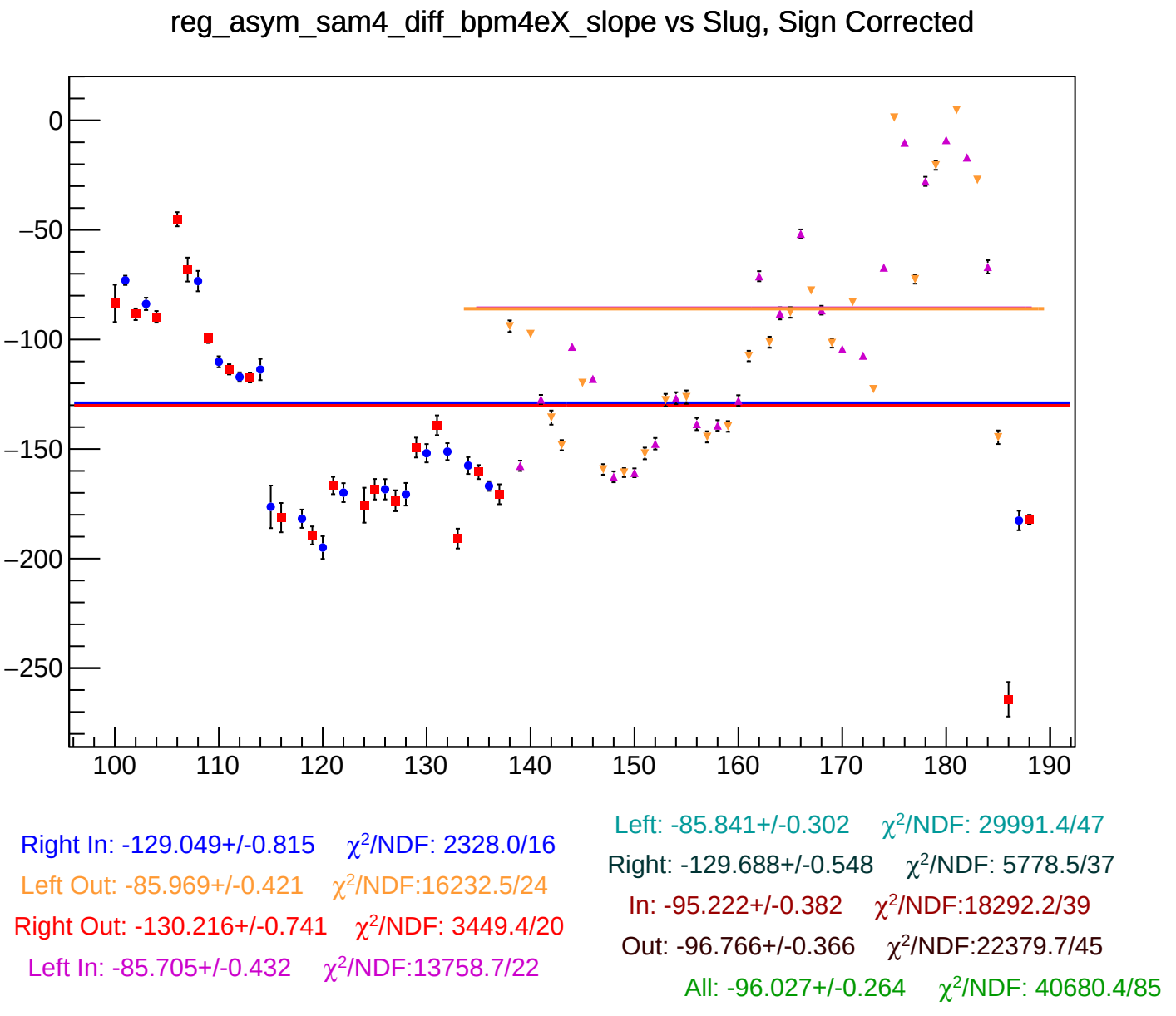
Left: 35.370+/-0.234 χ^2/NDF: 10118.6/47

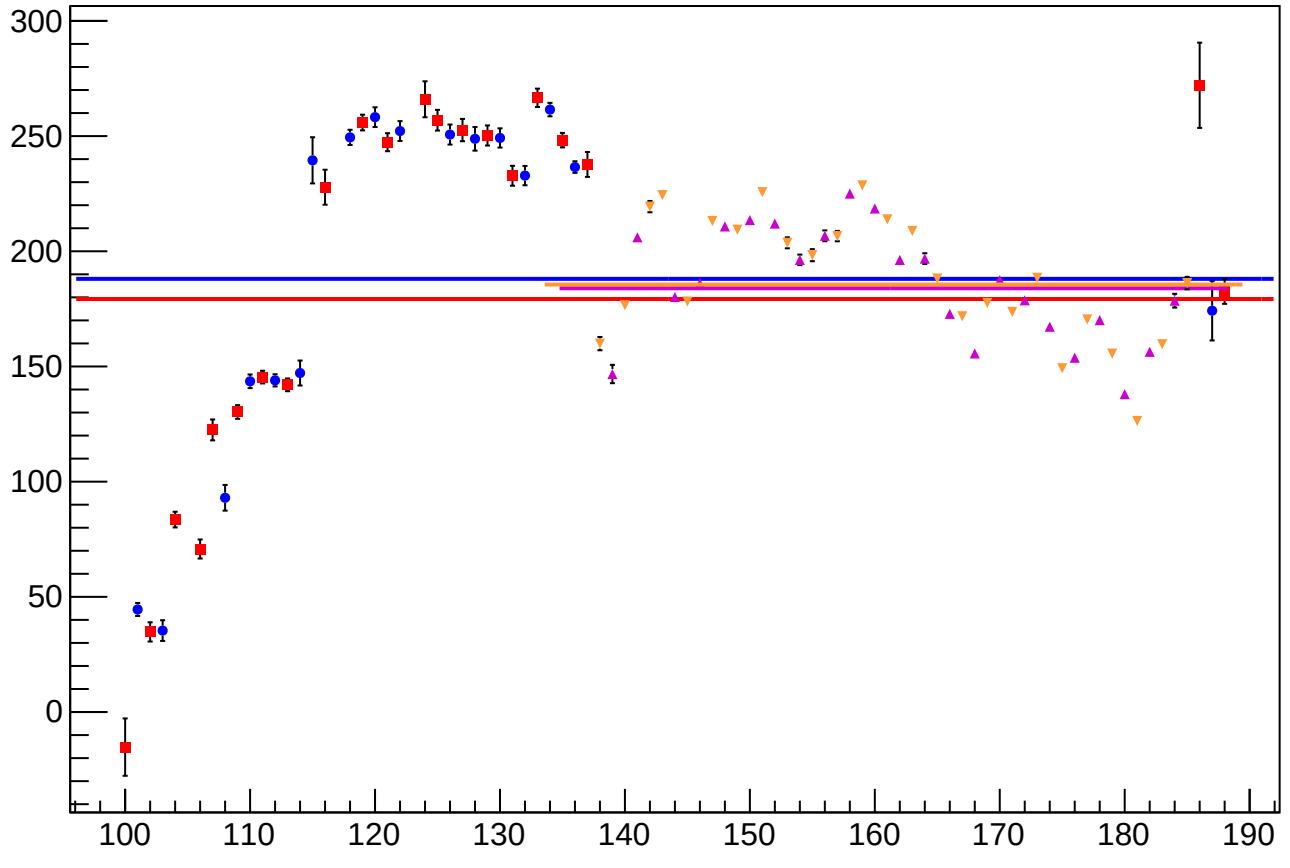
Right: 28.568+/-0.559 χ^2/NDF: 2878.9/37

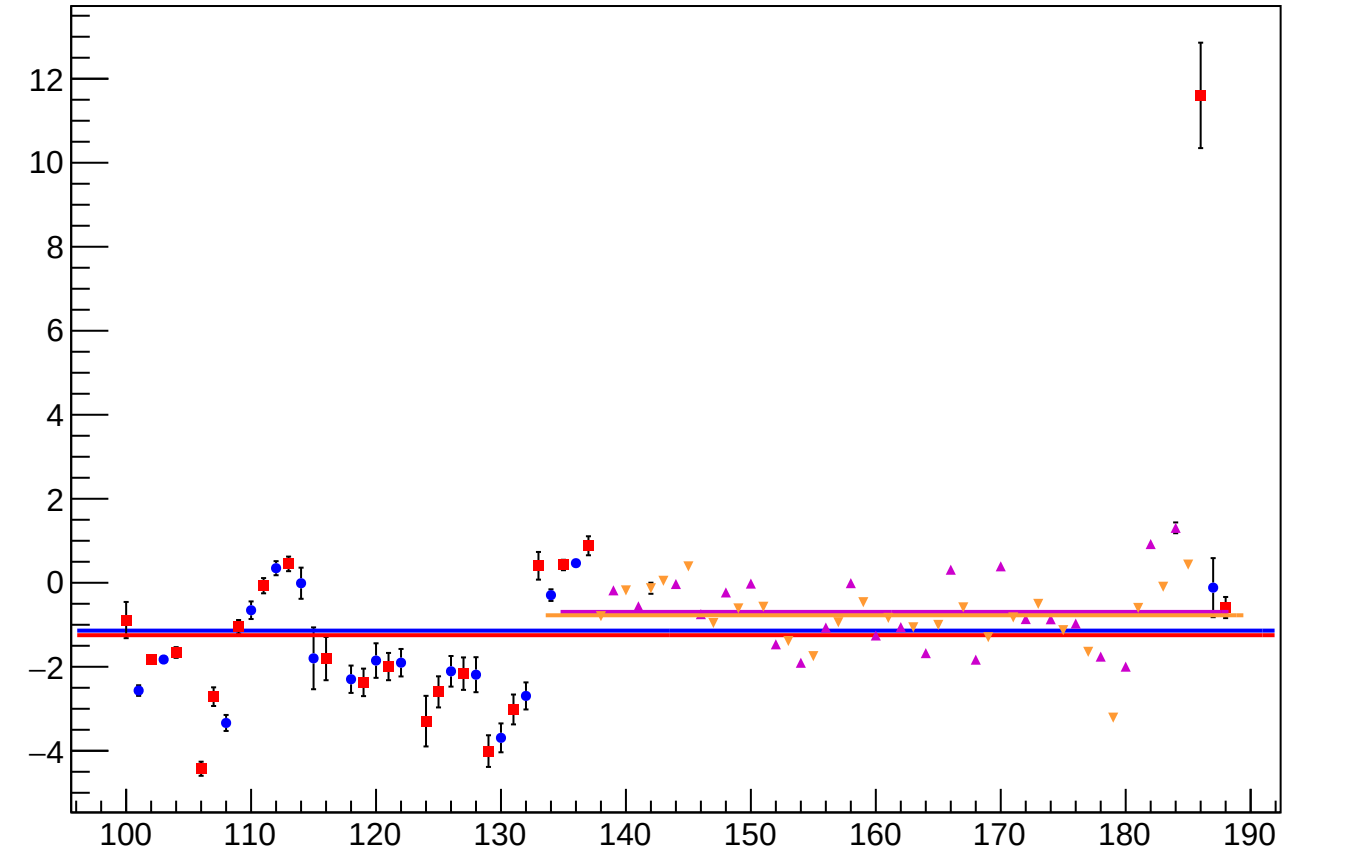
In: 34.300+/-0.310 χ^2/NDF:5850.2/39

Out: 34.406+/-0.300 χ^2/NDF:7273.4/45

All: 34.355+/-0.216 χ^2/NDF: 13123.6/85


reg_asym_sam4_diff_bpm4eX_slope vs Slug, Sign Corrected
0
−50
−100
−150
−200
−250
100
110
120
130
140
150
160
170
180
190
Right In: -129.049+/-0.815 χ²/NDF: 2328.0/16
Left Out: -85.969+/-0.421 χ²/NDF:16232.5/24
Right Out: -130.216+/-0.741 χ²/NDF: 3449.4/20
Left In: -85.705+/-0.432 χ²/NDF:13758.7/22
Left: -85.841+/-0.302 χ²/NDF: 29991.4/47
Right: -129.688+/-0.548 χ²/NDF: 5778.5/37
In: -95.222+/-0.382 χ²/NDF:18292.2/39
Out: -96.766+/-0.366 χ²/NDF:22379.7/45
All: -96.027+/-0.264 χ²/NDF: 40680.4/85


reg_asym_sam4_diff_bpm4eY_slope vs Slug, Sign Corrected
300
250
200
150
100
50
0
100
110
120
130
140
150
160
170
180
190
Right In: 188.037+/-0.916 χ²/NDF: 7119.8/16
Left Out: 185.583+/-0.367 χ²/NDF:5354.7/24
Right Out: 179.288+/-0.894 χ²/NDF: 6694.4/20
Left In: 183.940+/-0.378 χ²/NDF:3873.5/22
Left: 184.786+/-0.263 χ²/NDF: 9238.0/47
Right: 183.558+/-0.640 χ²/NDF: 13860.9/37
In: 184.535+/-0.349 χ²/NDF:11010.4/39
Out: 184.677+/-0.339 χ²/NDF:12091.5/45
All: 184.608+/-0.243 χ²/NDF: 23102.0/85



Right In: -1.139+/-0.048 χ^2/NDF: 789.5/16

Left Out: -0.774+/-0.016 χ^2/NDF:1822.9/24

Right Out: -1.248+/-0.047 χ^2/NDF: 1110.7/20

Left In: -0.694+/-0.017 χ^2/NDF:2565.3/22

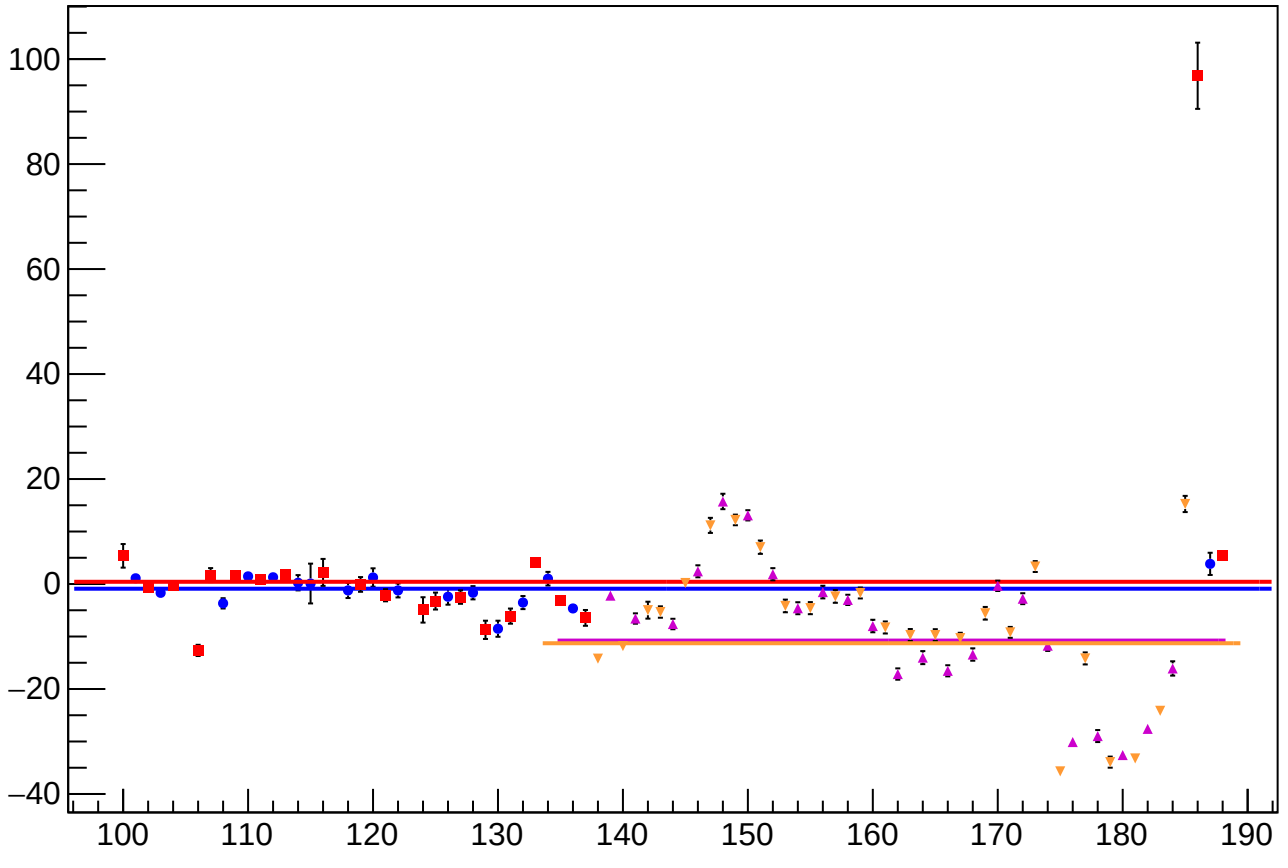
Left: -0.735+/-0.012 χ^2/NDF: 4399.9/47

Right: -1.195+/-0.033 χ^2/NDF: 1902.9/37

In: -0.742+/-0.016 χ^2/NDF:3431.9/39

Out: -0.826+/-0.016 χ^2/NDF:3025.7/45

All: -0.785+/-0.011 χ^2/NDF: 6472.0/85



Right In: -0.896+/-0.251 χ^2/NDF: 108.3/16

Left Out: -11.283+/-0.208 χ^2/NDF:4500.3/24

Right Out: 0.425+/-0.210 χ^2/NDF: 594.6/20

Left In: -10.776+/-0.213 χ^2/NDF:3699.2/22

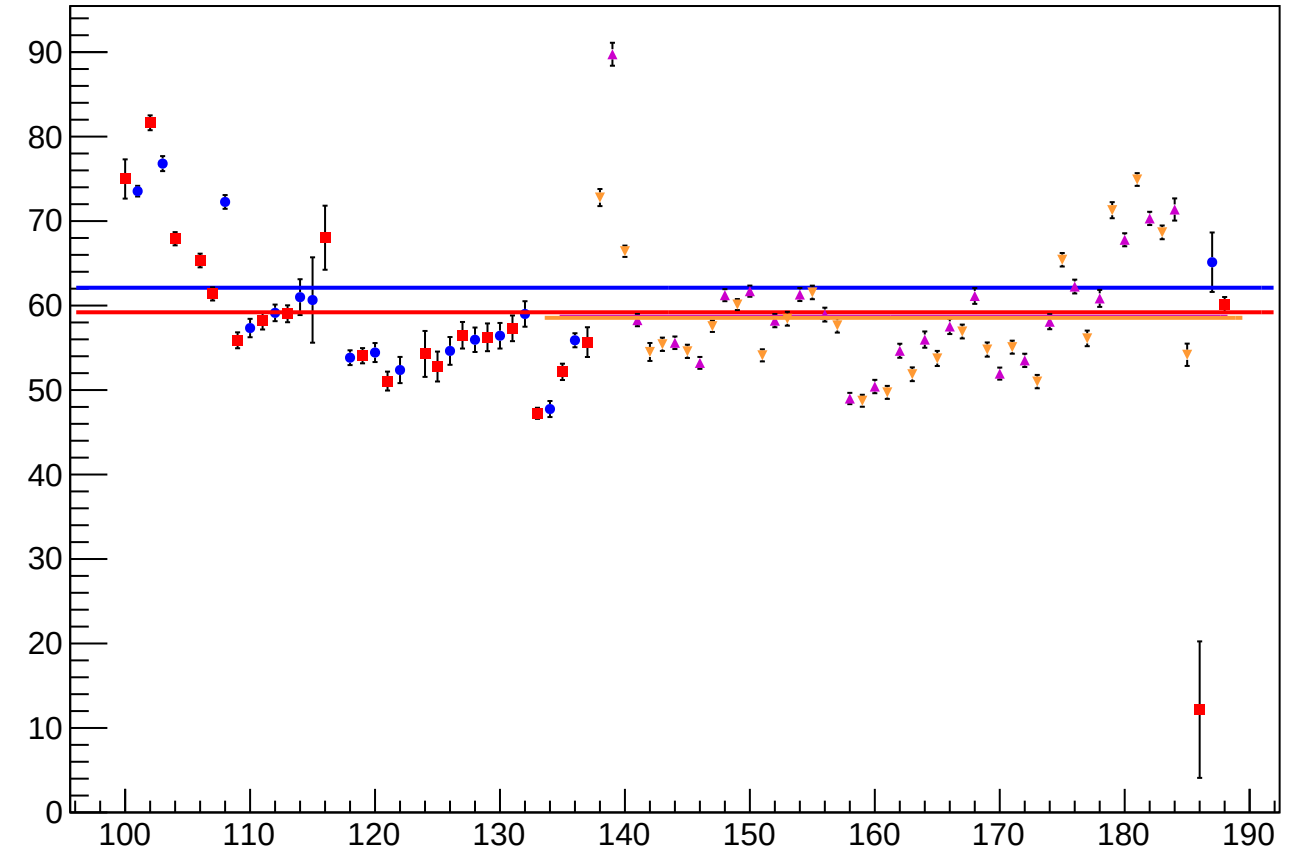
Left: -11.036+/-0.149 χ^2/NDF: 8202.4/47

Right: -0.119+/-0.161 χ^2/NDF: 719.1/37

In: -6.639+/-0.163 χ^2/NDF:4705.2/39

Out: -5.491+/-0.148 χ^2/NDF:6662.6/45

All: -6.011+/-0.109 χ^2/NDF: 11395.0/85



Right In: 62.111+/-0.265 χ^2/NDF: 1302.0/16

Left Out: 58.550+/-0.161 χ^2/NDF:1902.5/24

Right Out: 59.204+/-0.236 χ^2/NDF: 1436.9/20

Left In: 58.679+/-0.168 χ^2/NDF:1613.4/22

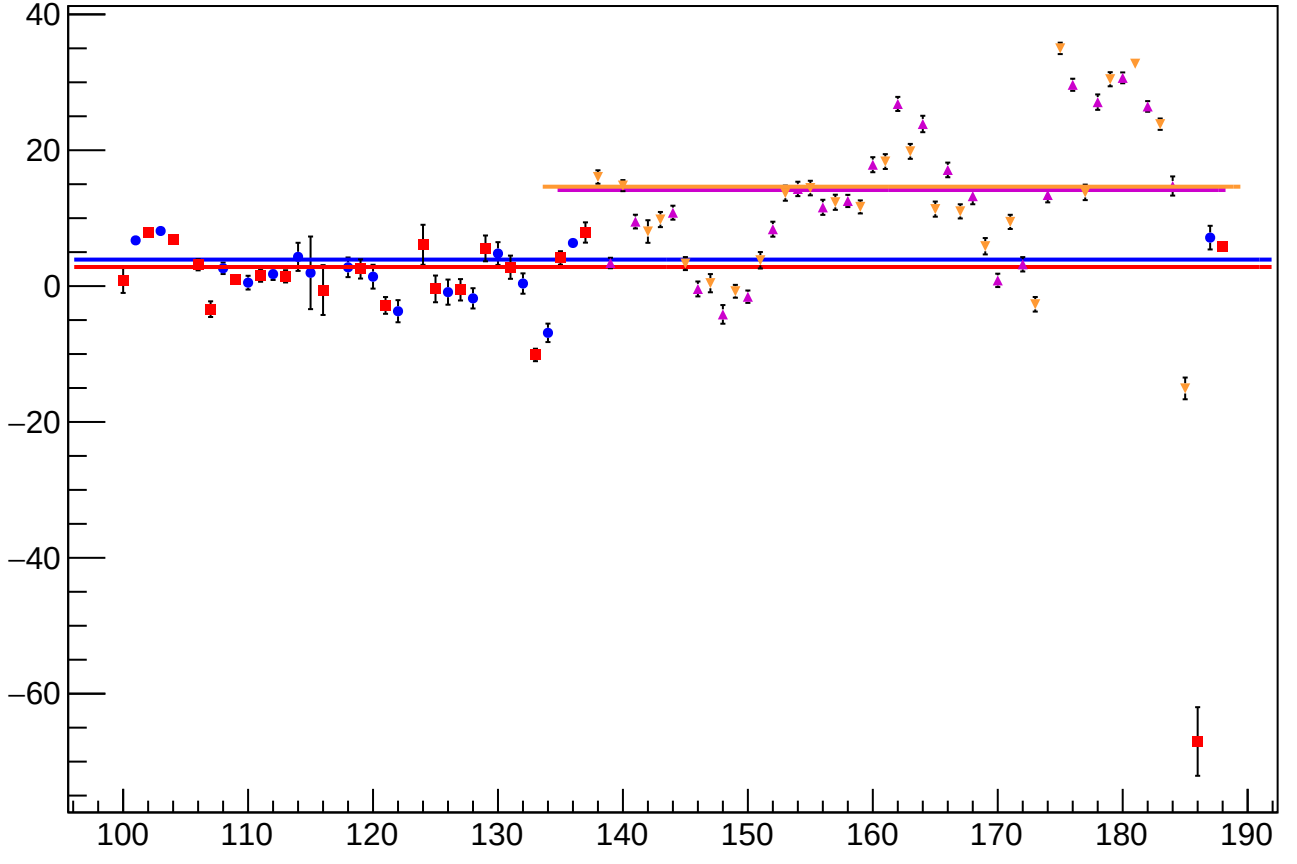
Left: 58.612+/-0.116 χ^2/NDF: 3516.3/47

Right: 60.491+/-0.176 χ^2/NDF: 2806.2/37

In: 59.668+/-0.142 χ^2/NDF:3035.2/39

Out: 58.758+/-0.133 χ^2/NDF:3344.7/45

All: 59.183+/-0.097 χ^2/NDF: 6401.7/85



Right In: 3.903+/-0.262 χ^2/NDF: 212.1/16

Left Out: 14.634+/-0.207 χ^2/NDF:2962.1/24

Right Out: 2.811+/-0.221 χ^2/NDF: 603.6/20

Left In: 14.146+/-0.211 χ^2/NDF:2541.2/22

Left: 14.395+/-0.148 χ^2/NDF: 5506.0/47

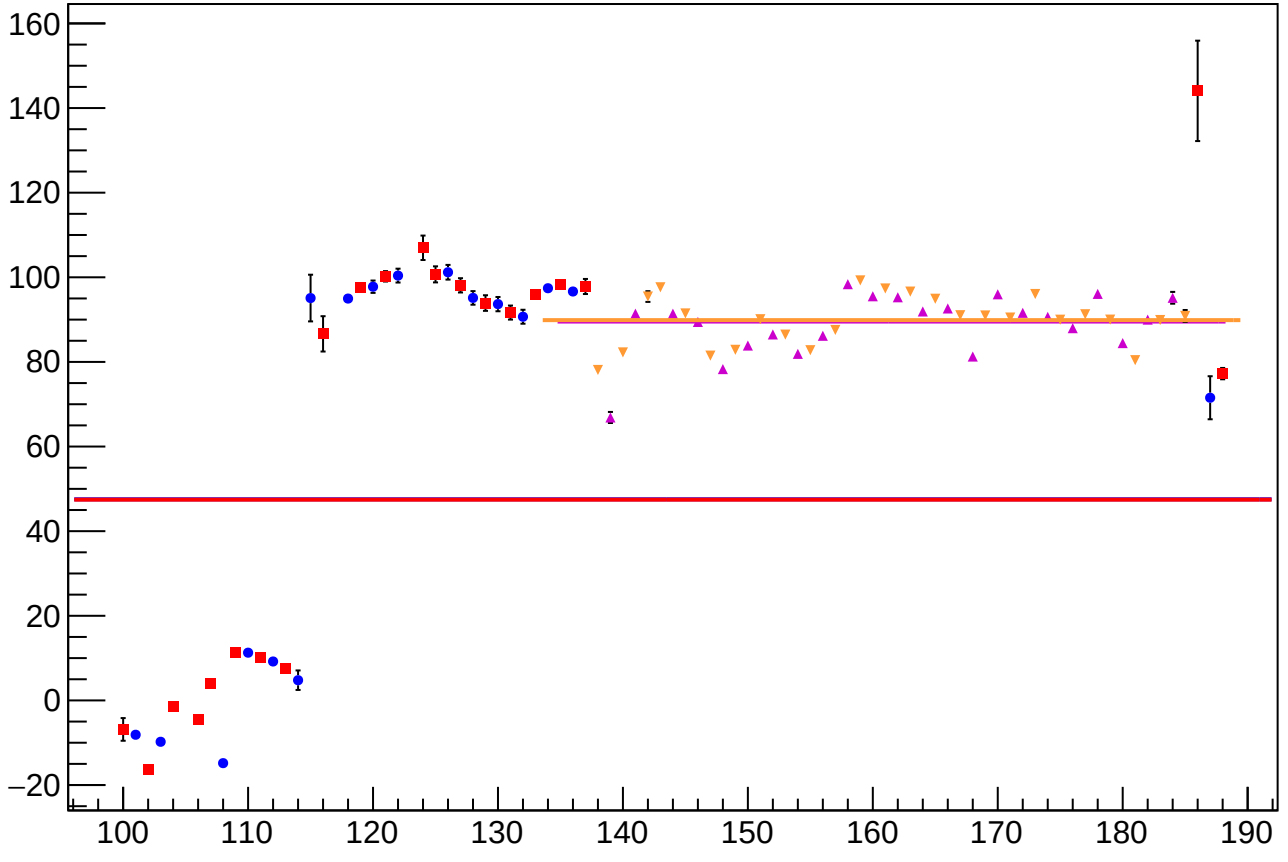
Right: 3.264+/-0.169 χ^2/NDF: 825.9/37

In: 10.115+/-0.165 χ^2/NDF:3678.4/39

Out: 9.116+/-0.151 χ^2/NDF:5092.7/45

All: 9.573+/-0.111 χ^2/NDF: 8791.2/85

reg_asym_sam5_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 47.531+/-0.307 χ^2/NDF: 26909.2/16

Left Out: 89.875+/-0.181 χ^2/NDF:1065.4/24

Right Out: 47.450+/-0.278 χ^2/NDF: 29482.1/20

Left In: 89.541+/-0.188 χ^2/NDF:1095.3/22

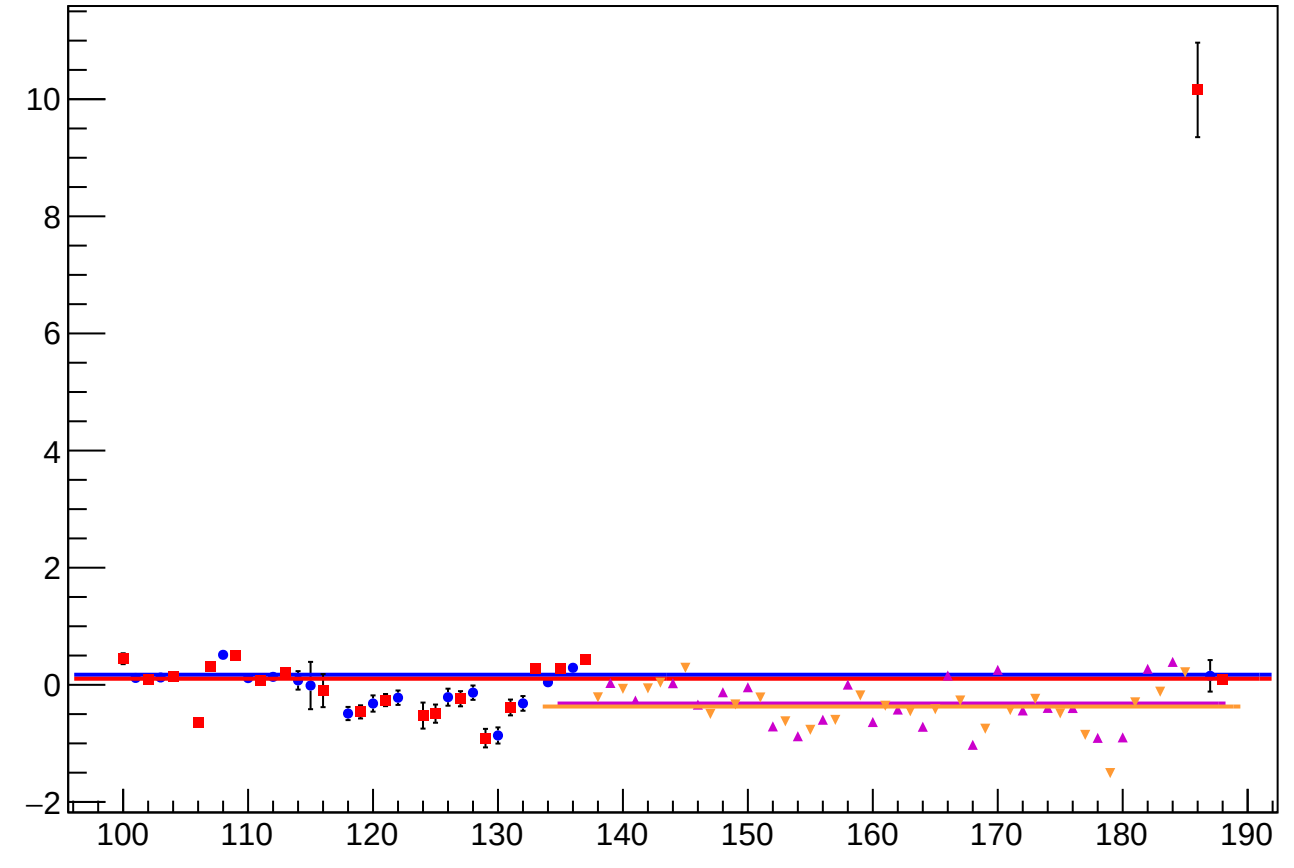
Left: 89.714+/-0.130 χ^2/NDF: 2162.3/47

Right: 47.486+/-0.206 χ^2/NDF: 56391.3/37

In: 78.152+/-0.160 χ^2/NDF:41609.5/39

Out: 77.253+/-0.152 χ^2/NDF:46888.9/45

All: 77.678+/-0.110 χ^2/NDF: 88515.0/85



Right In: 0.172+/-0.014 χ^2/NDF: 265.0/16

Left Out: -0.371+/-0.008 χ^2/NDF:1769.5/24

Right Out: 0.104+/-0.013 χ^2/NDF: 714.2/20

Left In: -0.319+/-0.008 χ^2/NDF:2441.1/22

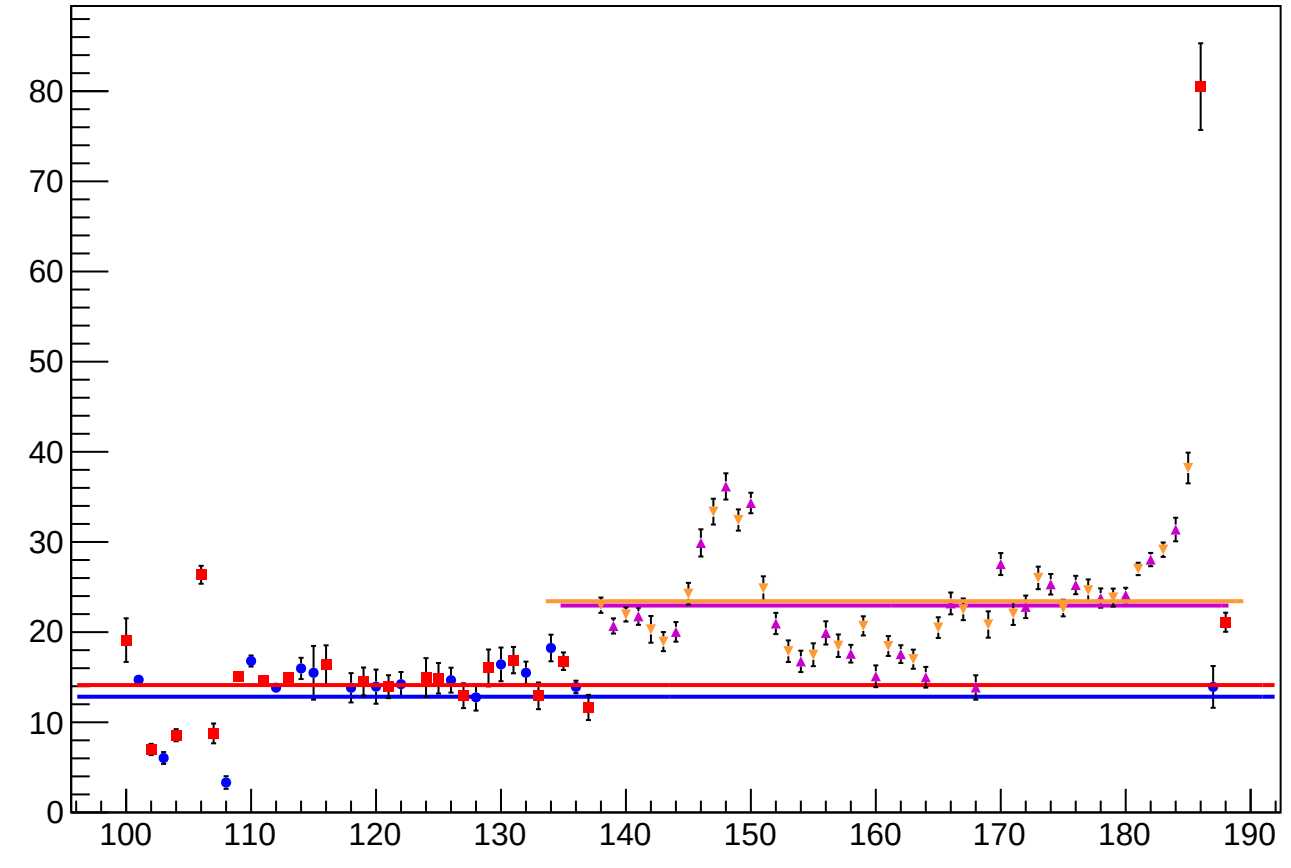
Left: -0.345+/-0.006 χ^2/NDF: 4230.8/47

Right: 0.136+/-0.010 χ^2/NDF: 991.8/37

In: -0.198+/-0.007 χ^2/NDF:3617.7/39

Out: -0.241+/-0.007 χ^2/NDF:3437.4/45

All: -0.220+/-0.005 χ^2/NDF: 7074.6/85



Right In: 12.837+/-0.213 χ^2/NDF: 388.2/16

Left Out: 23.431+/-0.216 χ^2/NDF:427.8/24

Right Out: 14.129+/-0.200 χ^2/NDF: 641.4/20

Left In: 22.949+/-0.225 χ^2/NDF:565.2/22

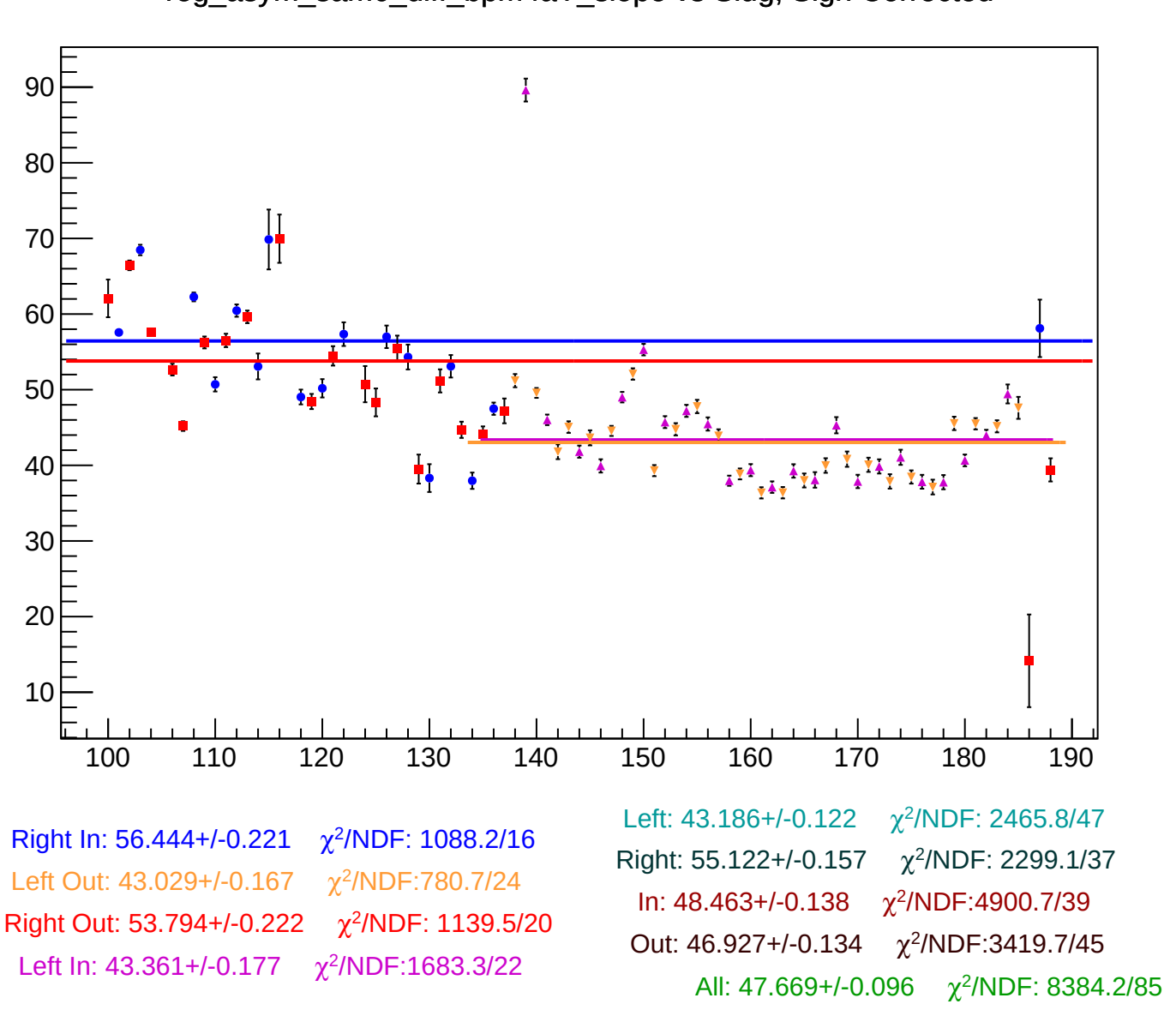
Left: 23.201+/-0.156 χ^2/NDF: 995.5/47

Right: 13.523+/-0.146 χ^2/NDF: 1049.2/37

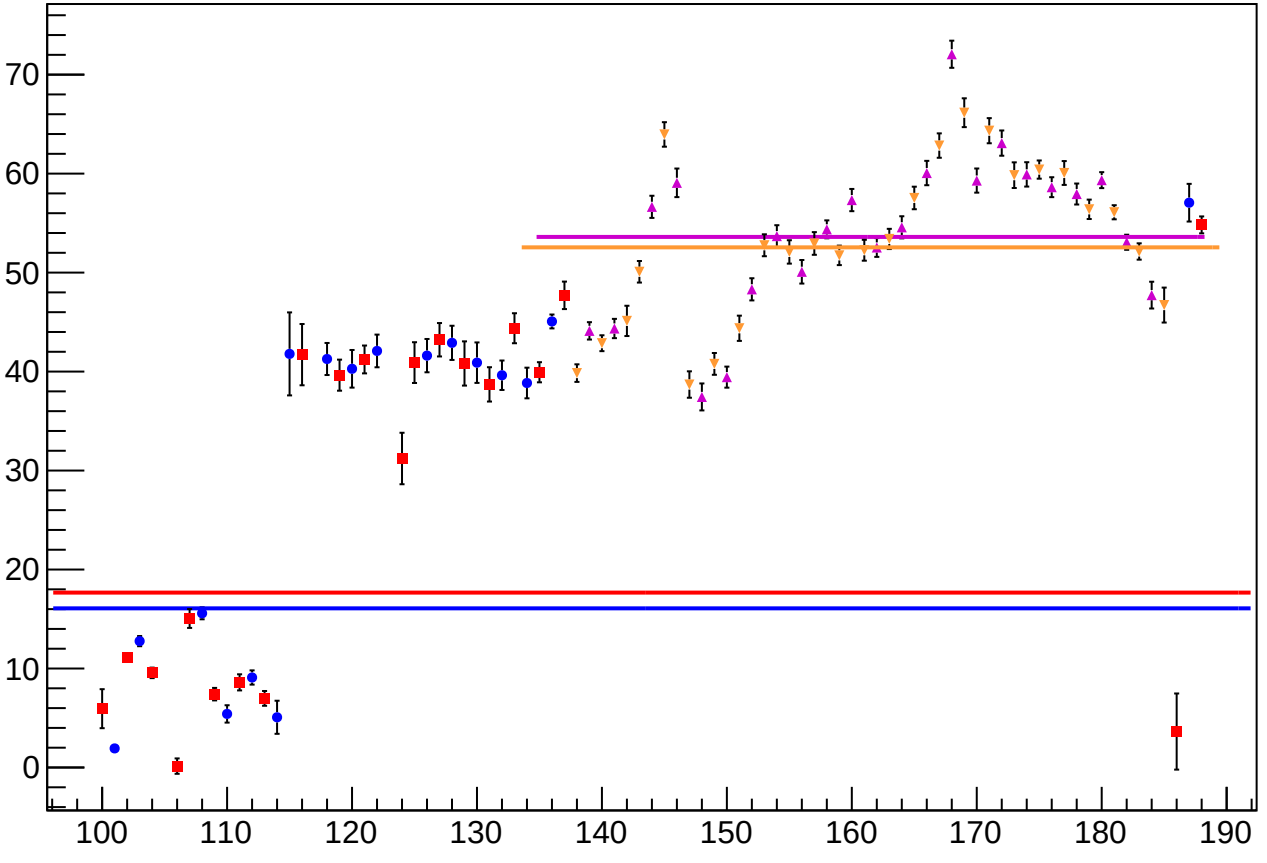
In: 17.611+/-0.155 χ^2/NDF:2016.2/39

Out: 18.432+/-0.147 χ^2/NDF:2067.5/45

All: 18.043+/-0.107 χ^2/NDF: 4098.5/85


reg_asym_sam6_diff_bpm4aY_slope vs Slug, Sign Corrected
90
80
70
60
50
40
30
20
10
100
110
120
130
140
150
160
170
180
190
Right In: 56.444+/-0.221 χ2/NDF: 1088.2/16
Left Out: 43.029+/-0.167 χ2/NDF:780.7/24
Right Out: 53.794+/-0.222 χ2/NDF: 1139.5/20
Left In: 43.361+/-0.177 χ2/NDF:1683.3/22
Left: 43.186+/-0.122 χ2/NDF: 2465.8/47
Right: 55.122+/-0.157 χ2/NDF: 2299.1/37
In: 48.463+/-0.138 χ2/NDF:4900.7/39
Out: 46.927+/-0.134 χ2/NDF:3419.7/45
All: 47.669+/-0.096 χ2/NDF: 8384.2/85

reg_asym_sam6_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 16.079+/-0.213 χ^2/NDF: 5645.3/16

Left Out: 52.550+/-0.215 χ^2/NDF:1186.2/24

Right Out: 17.670+/-0.212 χ^2/NDF: 5896.5/20

Left In: 53.605+/-0.223 χ^2/NDF:1015.9/22

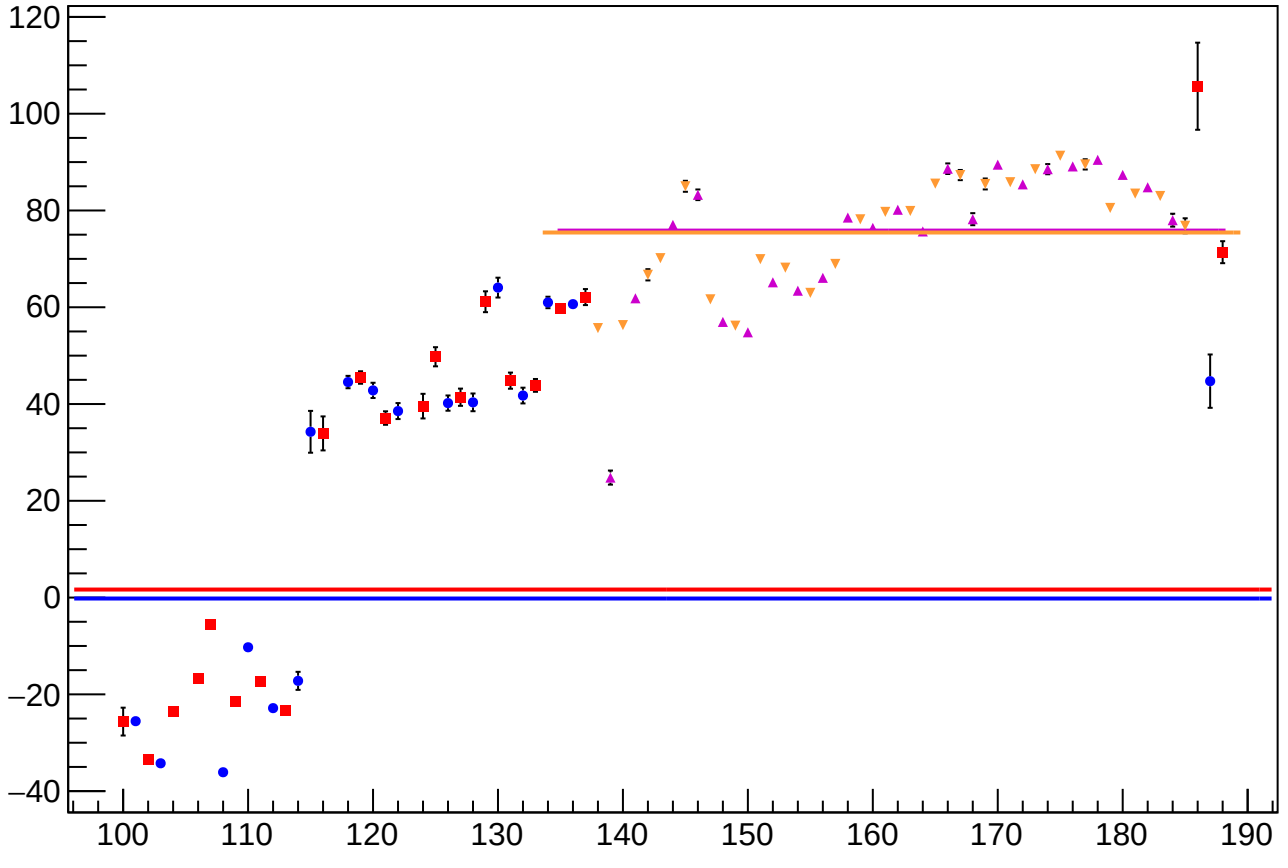
Left: 53.057+/-0.155 χ^2/NDF: 2213.7/47

Right: 16.877+/-0.150 χ^2/NDF: 11569.8/37

In: 33.960+/-0.154 χ^2/NDF:21499.4/39

Out: 34.894+/-0.151 χ^2/NDF:20457.4/45

All: 34.436+/-0.108 χ^2/NDF: 41975.6/85



Right In: -0.195+/-0.261 χ^2/NDF: 21097.4/16

Left Out: 75.448+/-0.188 χ^2/NDF:3469.1/24

Right Out: 1.661+/-0.262 χ^2/NDF: 17119.4/20

Left In: 75.844+/-0.197 χ^2/NDF:4265.6/22

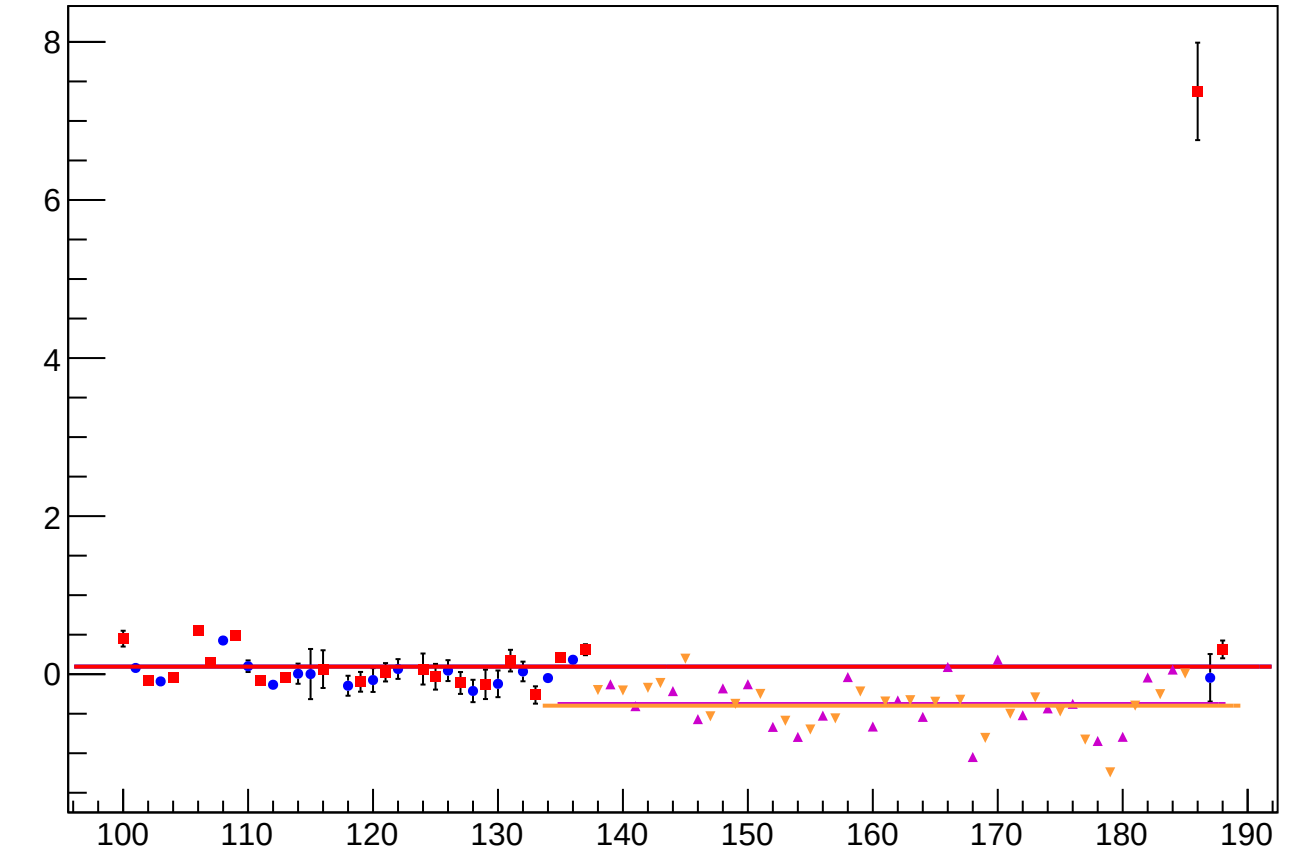
Left: 75.637+/-0.136 χ^2/NDF: 7736.7/47

Right: 0.731+/-0.185 χ^2/NDF: 38242.0/37

In: 48.215+/-0.157 χ^2/NDF:79355.9/39

Out: 50.276+/-0.153 χ^2/NDF:72948.8/45

All: 49.275+/-0.110 χ^2/NDF: 152393.0/85



Right In: 0.097+/-0.011 χ^2/NDF: 299.3/16

Left Out: -0.398+/-0.008 χ^2/NDF:1031.5/24

Right Out: 0.095+/-0.011 χ^2/NDF: 542.8/20

Left In: -0.378+/-0.009 χ^2/NDF:1351.5/22

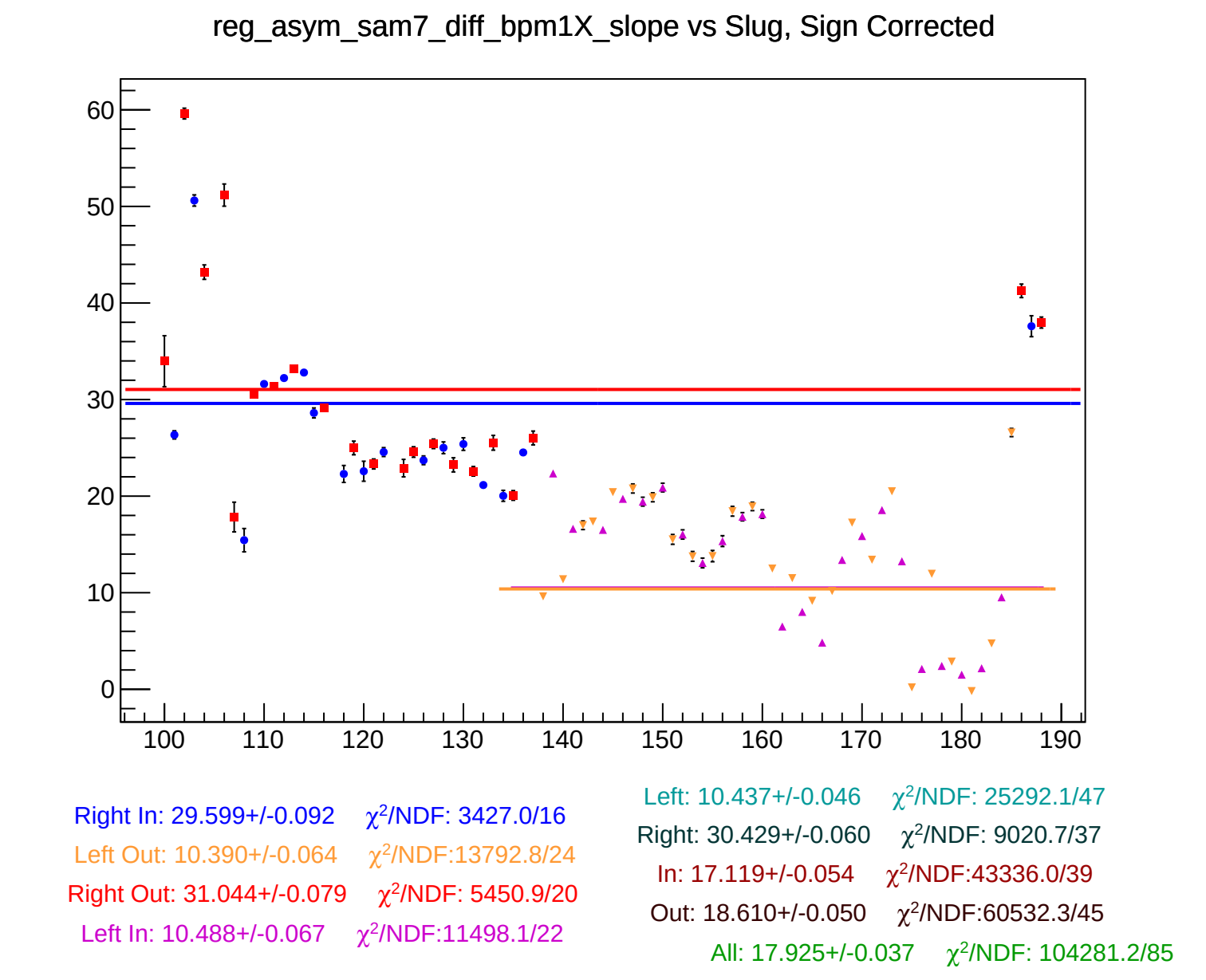
Left: -0.388+/-0.006 χ^2/NDF: 2386.0/47

Right: 0.096+/-0.008 χ^2/NDF: 842.2/37

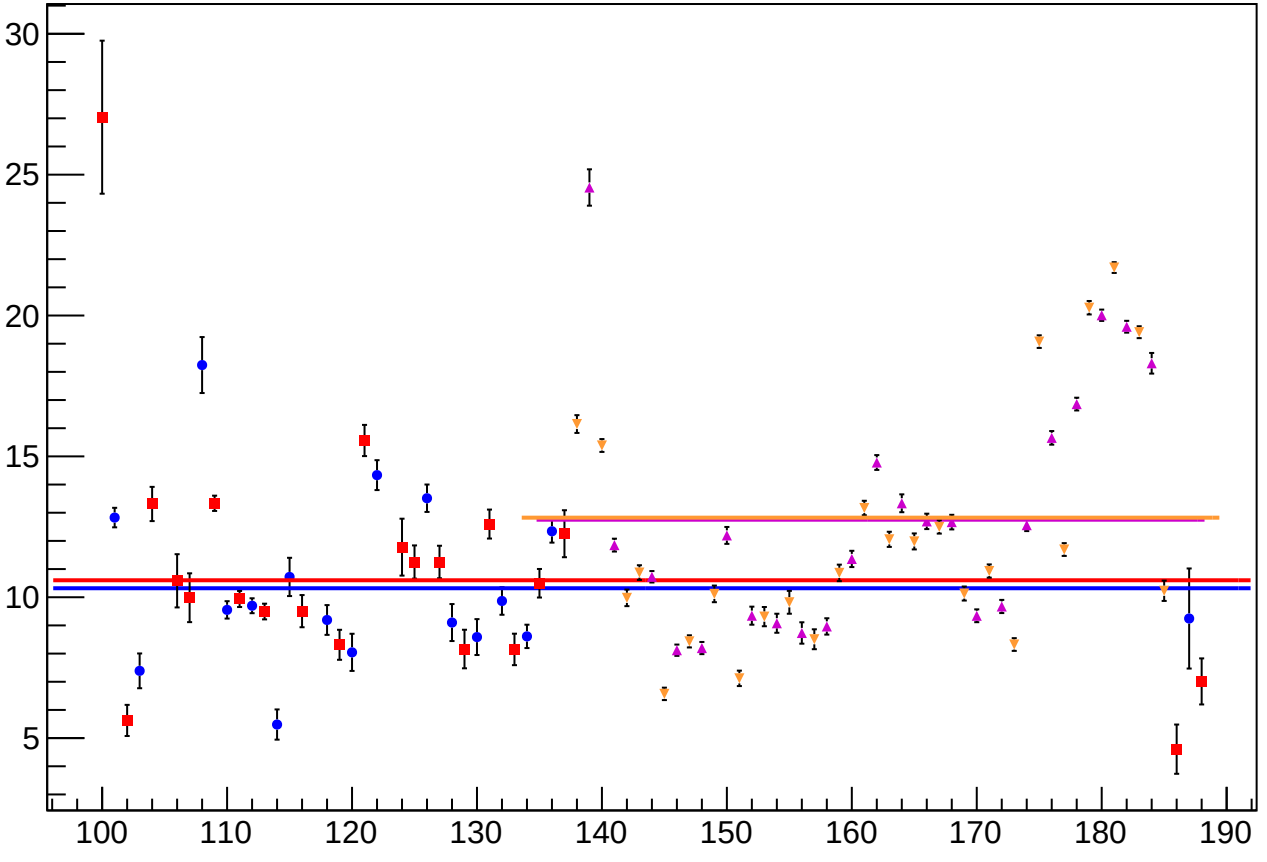
In: -0.202+/-0.007 χ^2/NDF:2778.6/39

Out: -0.223+/-0.007 χ^2/NDF:2797.0/45

All: -0.213+/-0.005 χ^2/NDF: 5580.4/85


reg_asym_sam7_diff_bpm1X_slope vs Slug, Sign Corrected
60
50
40
30
20
10
0
100
110
120
130
140
150
160
170
180
190
Right In: 29.599+/-0.092 χ2/NDF: 3427.0/16
Left Out: 10.390+/-0.064 χ2/NDF:13792.8/24
Right Out: 31.044+/-0.079 χ2/NDF: 5450.9/20
Left In: 10.488+/-0.067 χ2/NDF:11498.1/22
Left: 10.437+/-0.046 χ2/NDF: 25292.1/47
Right: 30.429+/-0.060 χ2/NDF: 9020.7/37
In: 17.119+/-0.054 χ2/NDF:43336.0/39
Out: 18.610+/-0.050 χ2/NDF:60532.3/45
All: 17.925+/-0.037 χ2/NDF: 104281.2/85

reg_asym_sam7_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 10.319+/-0.114 χ^2/NDF: 403.0/16

Left Out: 12.825+/-0.051 χ^2/NDF:8016.5/24

Right Out: 10.603+/-0.111 χ^2/NDF: 484.3/20

Left In: 12.752+/-0.053 χ^2/NDF:5502.5/22

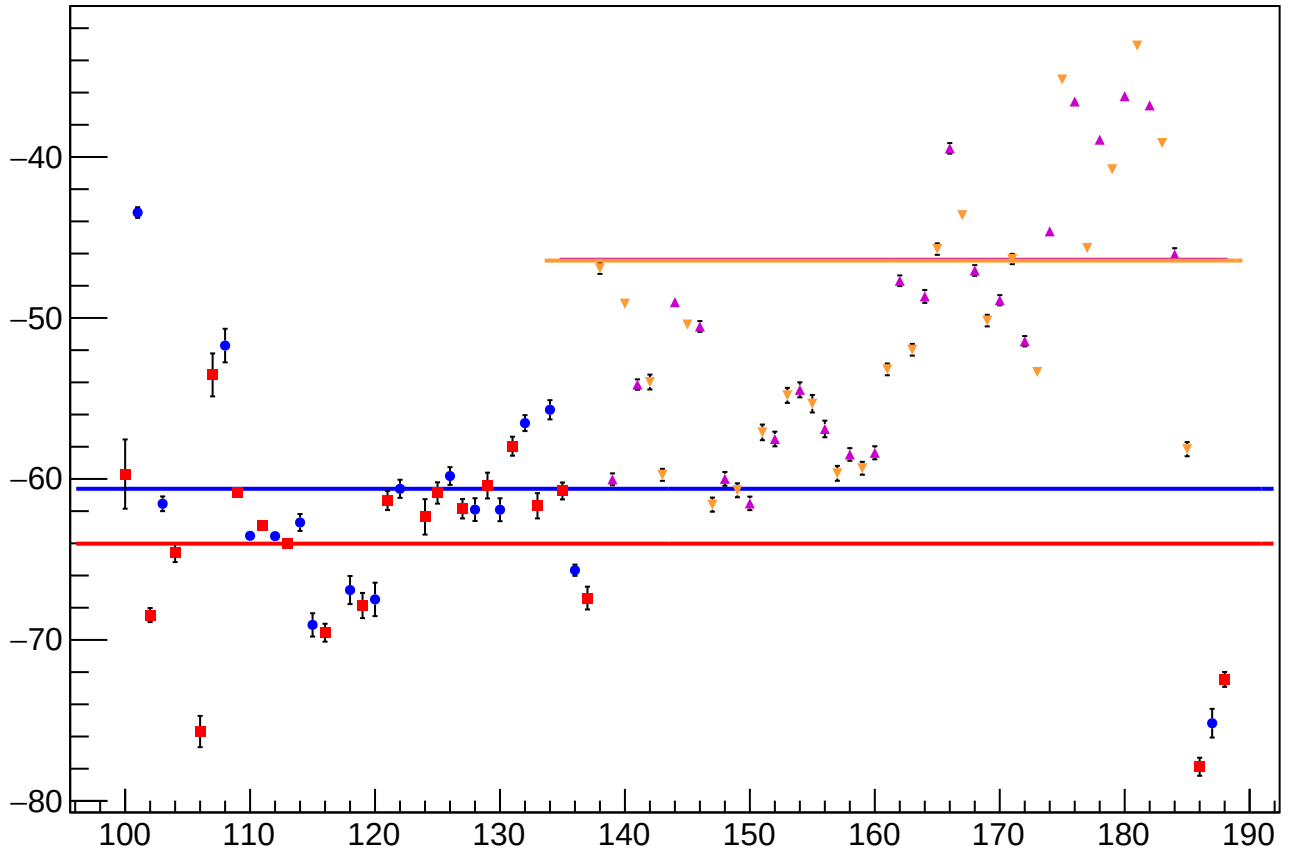
Left: 12.790+/-0.037 χ^2/NDF: 13520.0/47

Right: 10.464+/-0.079 χ^2/NDF: 890.5/37

In: 12.319+/-0.048 χ^2/NDF:6281.7/39

Out: 12.436+/-0.046 χ^2/NDF:8832.0/45

All: 12.380+/-0.033 χ^2/NDF: 15116.7/85



Right In: -60.611+/-0.112 χ^2/NDF: 3868.6/16

Left Out: -46.435+/-0.064 χ^2/NDF:18170.4/24

Right Out: -64.021+/-0.103 χ^2/NDF: 1866.0/20

Left In: -46.383+/-0.067 χ^2/NDF:15080.6/22

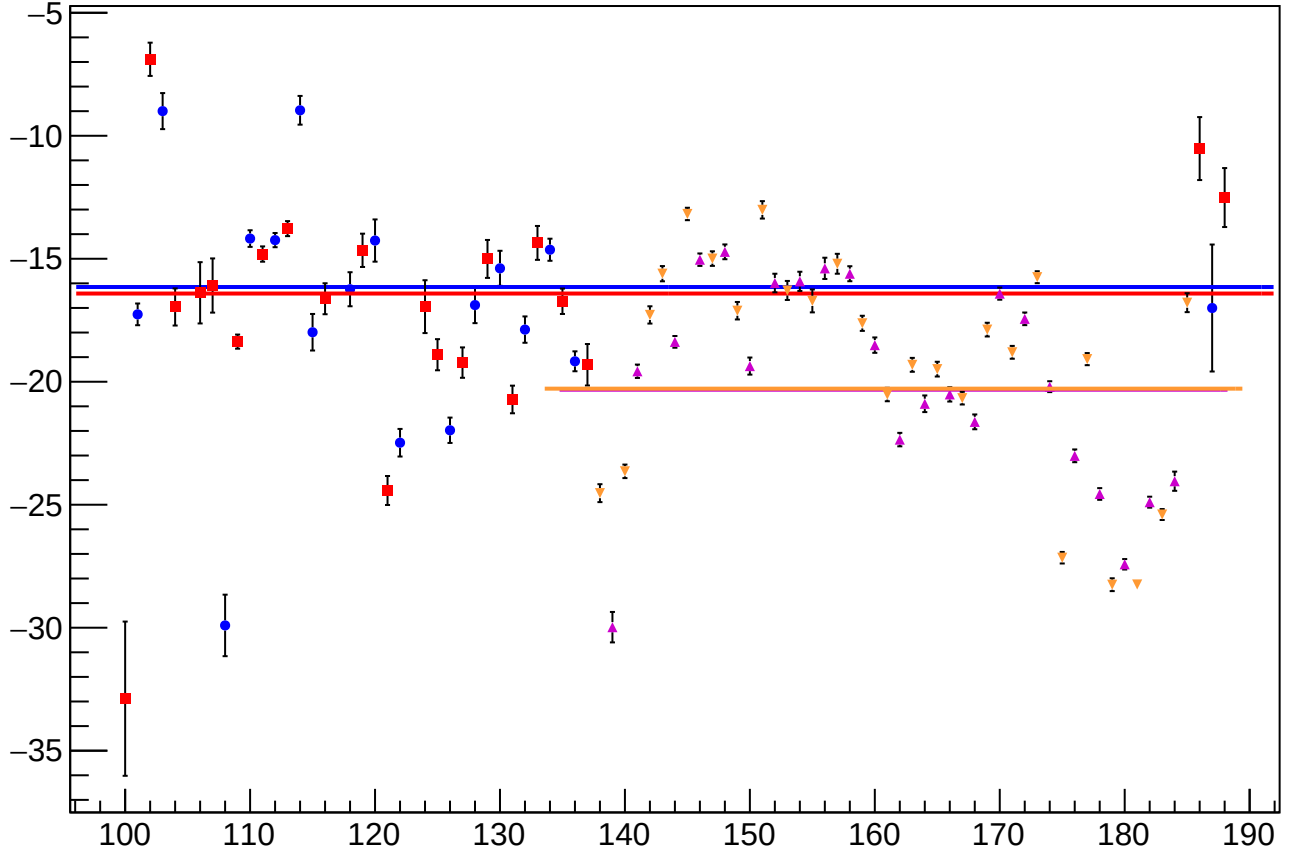
Left: -46.410+/-0.046 χ^2/NDF: 33251.4/47

Right: -62.465+/-0.076 χ^2/NDF: 6237.5/37

In: -50.111+/-0.057 χ^2/NDF:30836.7/39

Out: -51.400+/-0.055 χ^2/NDF:41073.5/45

All: -50.788+/-0.040 χ^2/NDF: 72175.2/85



Right In: -16.149+/-0.127 χ^2/NDF: 797.2/16

Left Out: -20.281+/-0.057 χ^2/NDF:7019.5/24

Right Out: -16.414+/-0.123 χ^2/NDF: 717.1/20

Left In: -20.324+/-0.059 χ^2/NDF:4272.7/22

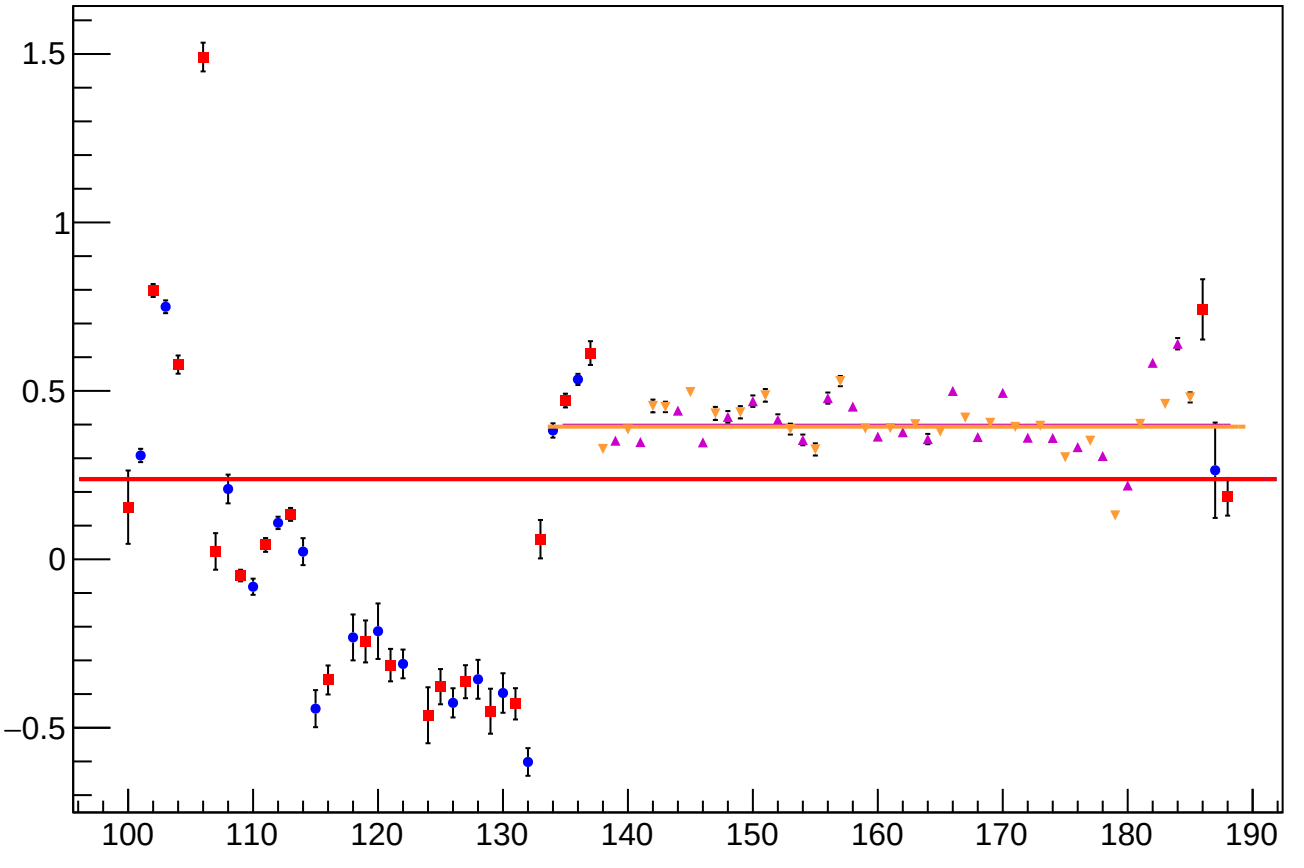
Left: -20.302+/-0.041 χ^2/NDF: 11292.4/47

Right: -16.285+/-0.088 χ^2/NDF: 1516.5/37

In: -19.582+/-0.054 χ^2/NDF:5958.2/39

Out: -19.600+/-0.052 χ^2/NDF:8545.7/45

All: -19.591+/-0.037 χ^2/NDF: 14504.0/85



Right In: 0.238+/-0.007 χ^2/NDF: 2632.9/16

Left Out: 0.394+/-0.003 χ^2/NDF:946.9/24

Right Out: 0.238+/-0.007 χ^2/NDF: 3627.7/20

Left In: 0.397+/-0.003 χ^2/NDF:1295.7/22

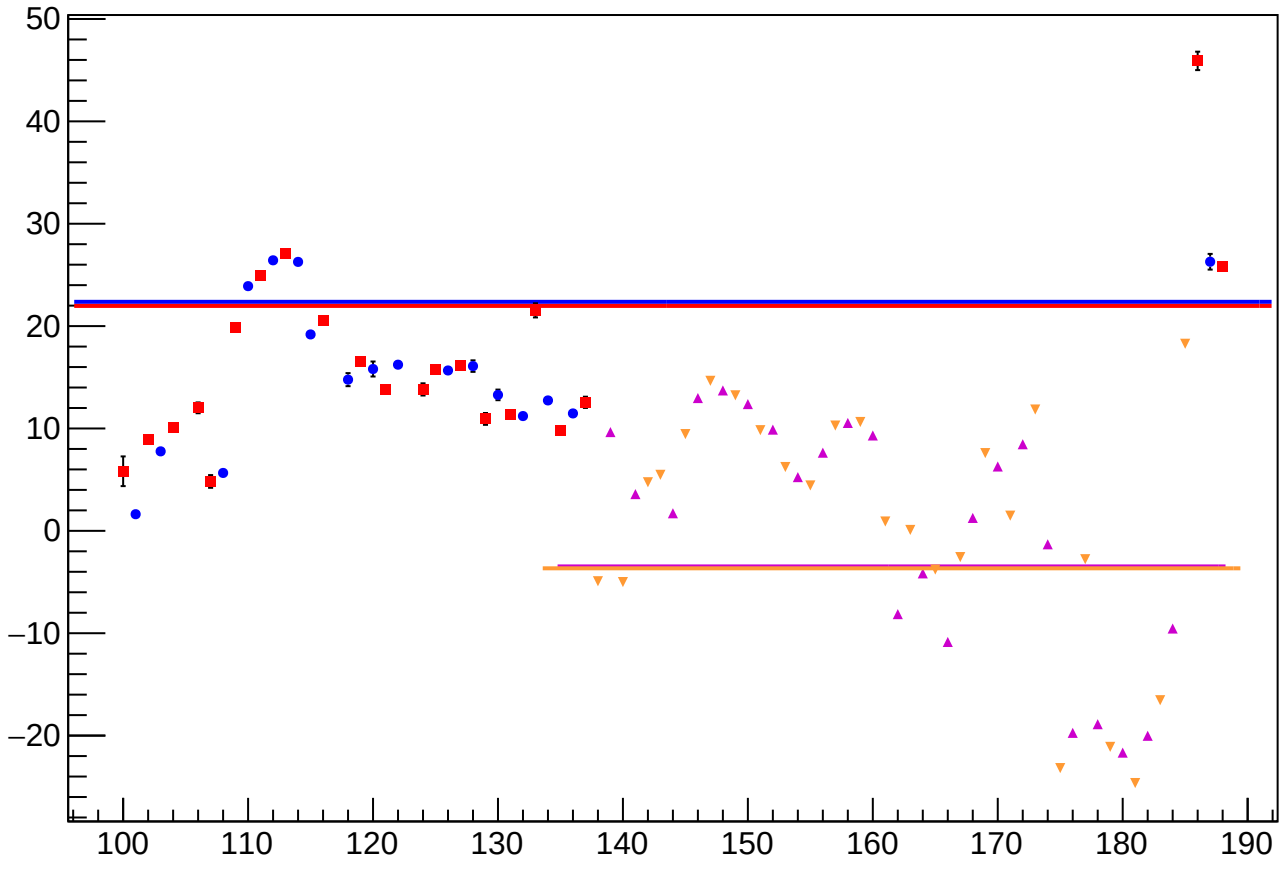
Left: 0.395+/-0.002 χ^2/NDF: 2243.2/47

Right: 0.238+/-0.005 χ^2/NDF: 6260.6/37

In: 0.377+/-0.002 χ^2/NDF:4373.9/39

Out: 0.376+/-0.002 χ^2/NDF:5007.1/45

All: 0.376+/-0.002 χ^2/NDF: 9381.3/85



Right In: 22.371+/-0.056 χ^2/NDF: 12363.1/16

Left Out: -3.660+/-0.055 χ^2/NDF:56739.4/24

Right Out: 21.972+/-0.046 χ^2/NDF: 11493.4/20

Left In: -3.475+/-0.057 χ^2/NDF:45103.9/22

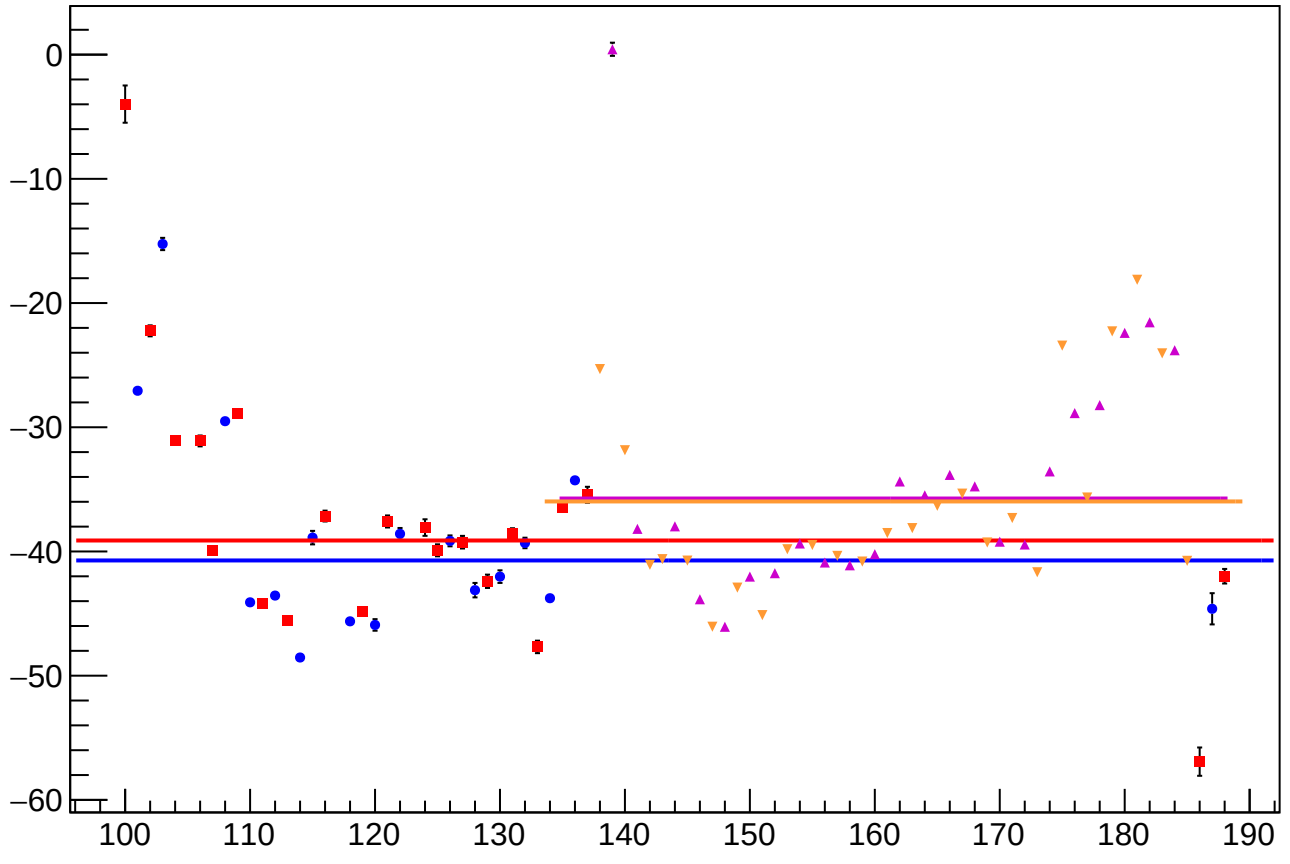
Left: -3.573+/-0.040 χ^2/NDF: 101848.8/47

Right: 22.131+/-0.036 χ^2/NDF: 23886.6/37

In: 9.678+/-0.040 χ^2/NDF:160600.2/39

Out: 11.334+/-0.035 χ^2/NDF:197450.4/45

All: 10.618+/-0.026 χ^2/NDF: 359011.7/85



Right In: -40.723+/-0.076 χ^2/NDF: 7790.0/16

Left Out: -35.973+/-0.042 χ^2/NDF:33609.3/24

Right Out: -39.116+/-0.070 χ^2/NDF: 10371.8/20

Left In: -35.737+/-0.045 χ^2/NDF:27154.8/22

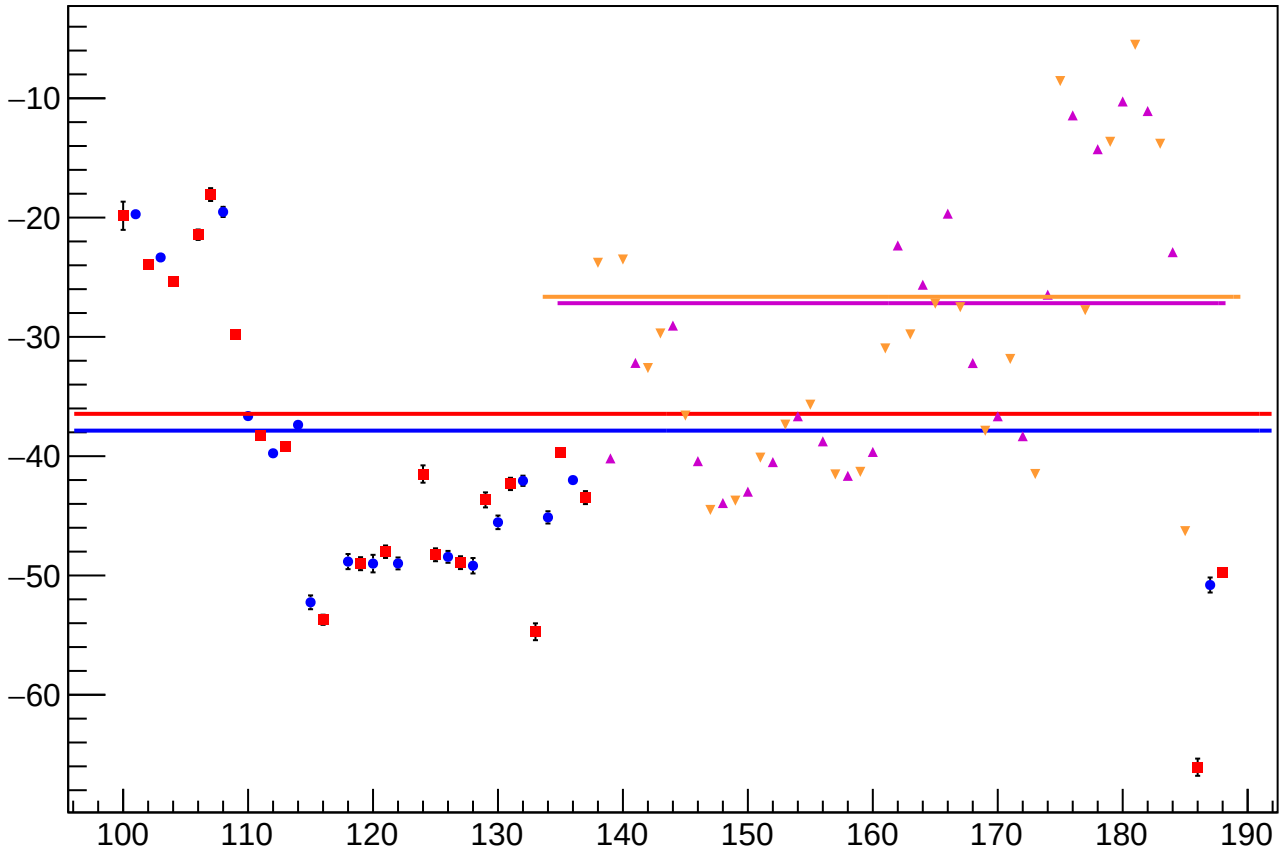
Left: -35.862+/-0.031 χ^2/NDF: 60778.7/47

Right: -39.855+/-0.052 χ^2/NDF: 18401.3/37

In: -37.020+/-0.039 χ^2/NDF:38112.5/39

Out: -36.811+/-0.036 χ^2/NDF:45444.0/45

All: -36.909+/-0.026 χ^2/NDF: 83572.1/85



Right In: -37.858+/-0.073 χ^2/NDF: 11281.2/16

Left Out: -26.639+/-0.055 χ^2/NDF:50051.9/24

Right Out: -36.451+/-0.063 χ^2/NDF: 16709.9/20

Left In: -27.176+/-0.057 χ^2/NDF:40990.1/22

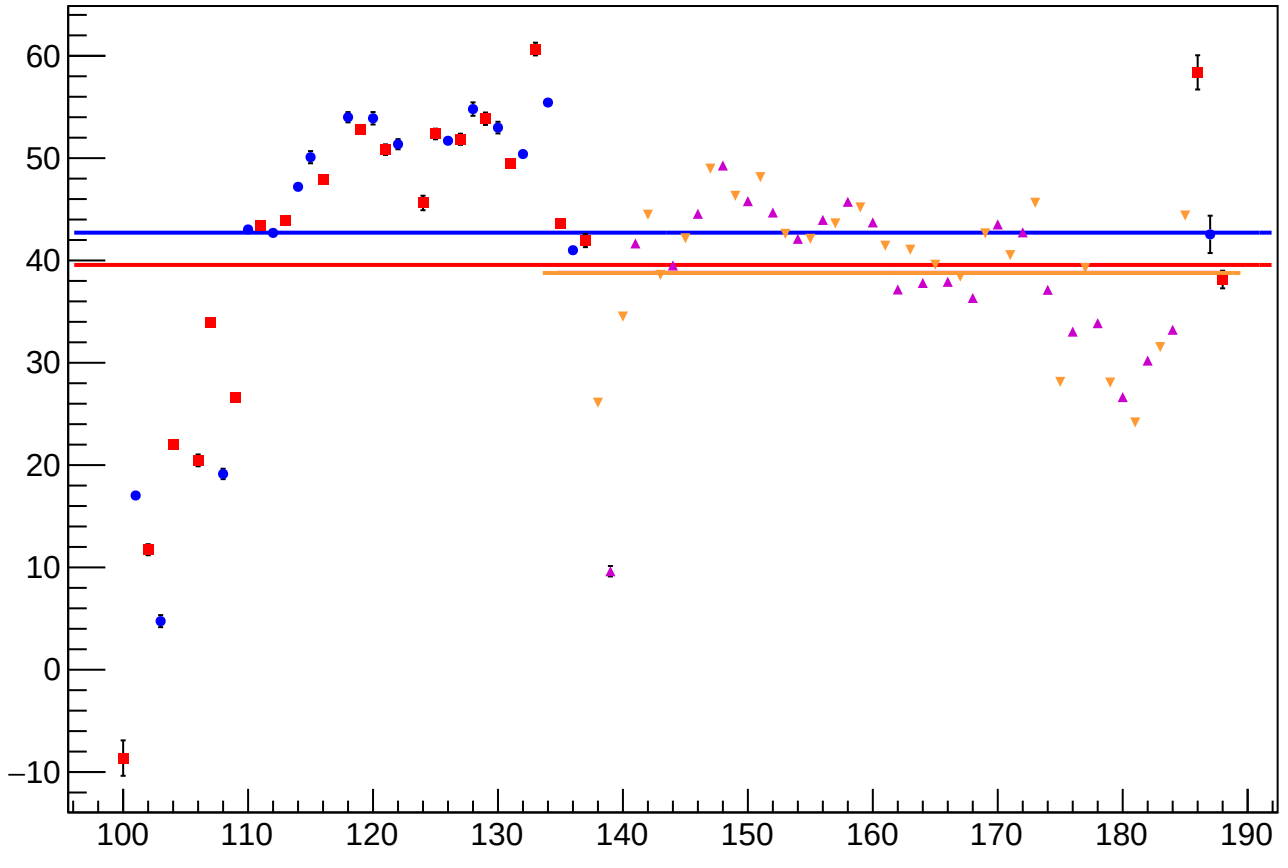
Left: -26.895+/-0.039 χ^2/NDF: 91088.1/47

Right: -37.048+/-0.048 χ^2/NDF: 28203.5/37

In: -31.225+/-0.045 χ^2/NDF:65478.1/39

Out: -30.854+/-0.041 χ^2/NDF:80641.0/45

All: -31.023+/-0.030 χ^2/NDF: 146156.1/85



Right In: 42.717+/-0.085 χ^2/NDF: 14765.0/16

Left Out: 38.777+/-0.048 χ^2/NDF:21070.6/24

Right Out: 39.563+/-0.078 χ^2/NDF: 18107.5/20

Left In: 38.791+/-0.050 χ^2/NDF:16240.7/22

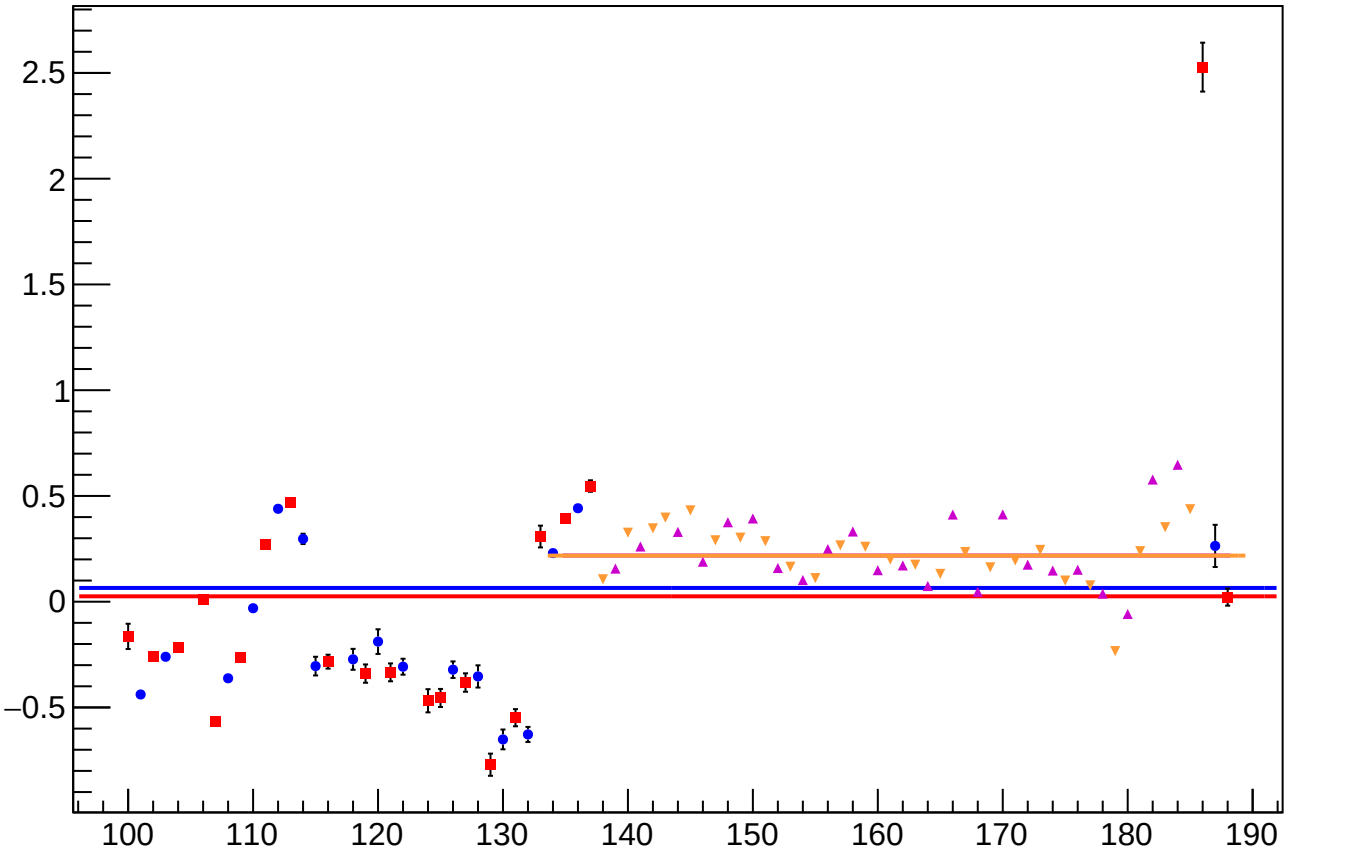
Left: 38.784+/-0.035 χ^2/NDF: 37311.3/47

Right: 41.001+/-0.057 χ^2/NDF: 33622.8/37

In: 39.807+/-0.043 χ^2/NDF:32588.9/39

Out: 38.992+/-0.041 χ^2/NDF:39252.1/45

All: 39.375+/-0.030 χ^2/NDF: 72029.5/85



Right In: 0.065+/-0.005 χ^2/NDF: 5501.5/16

Left Out: 0.218+/-0.002 χ^2/NDF:4075.0/24

Right Out: 0.025+/-0.004 χ^2/NDF: 6874.0/20

Left In: 0.218+/-0.002 χ^2/NDF:5312.2/22

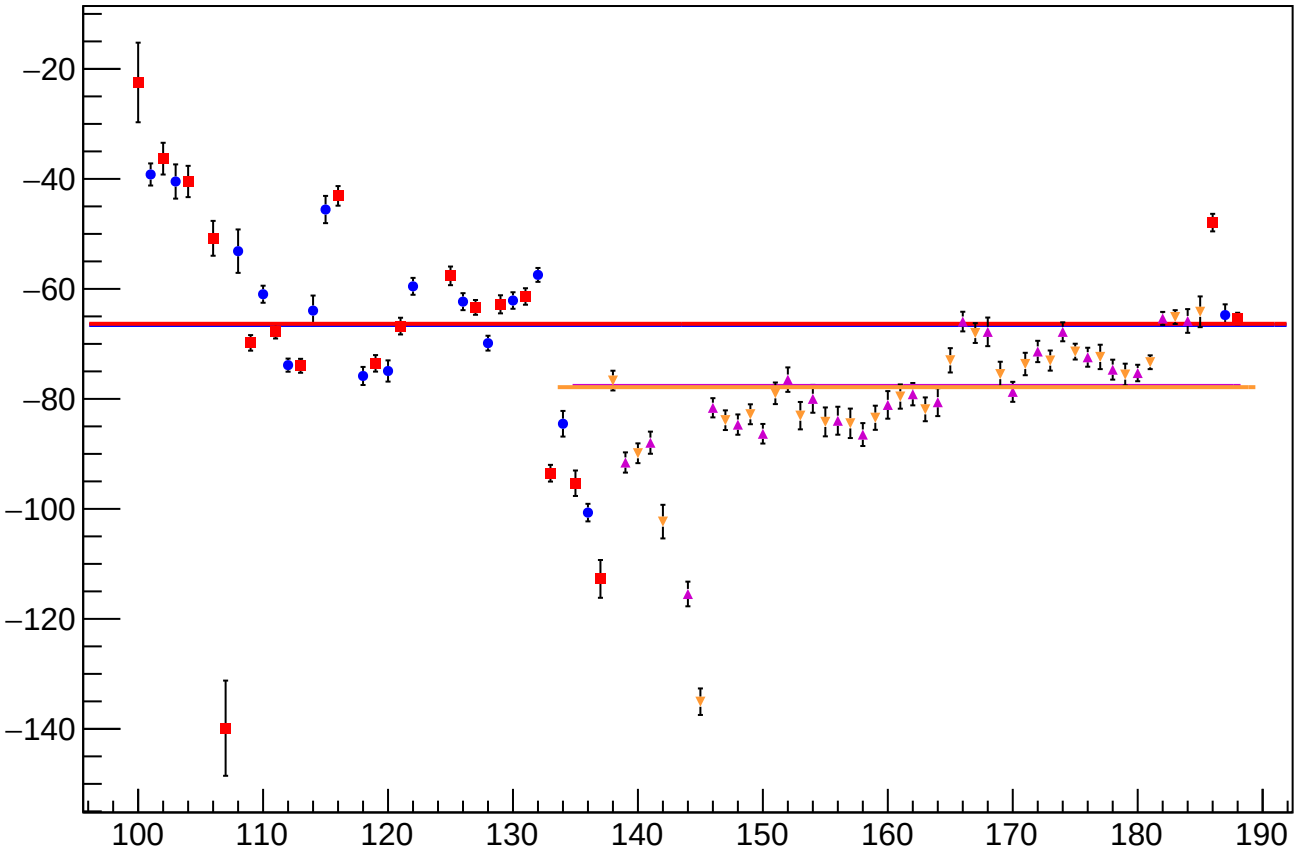
Left: 0.218+/-0.002 χ^2/NDF: 9387.2/47

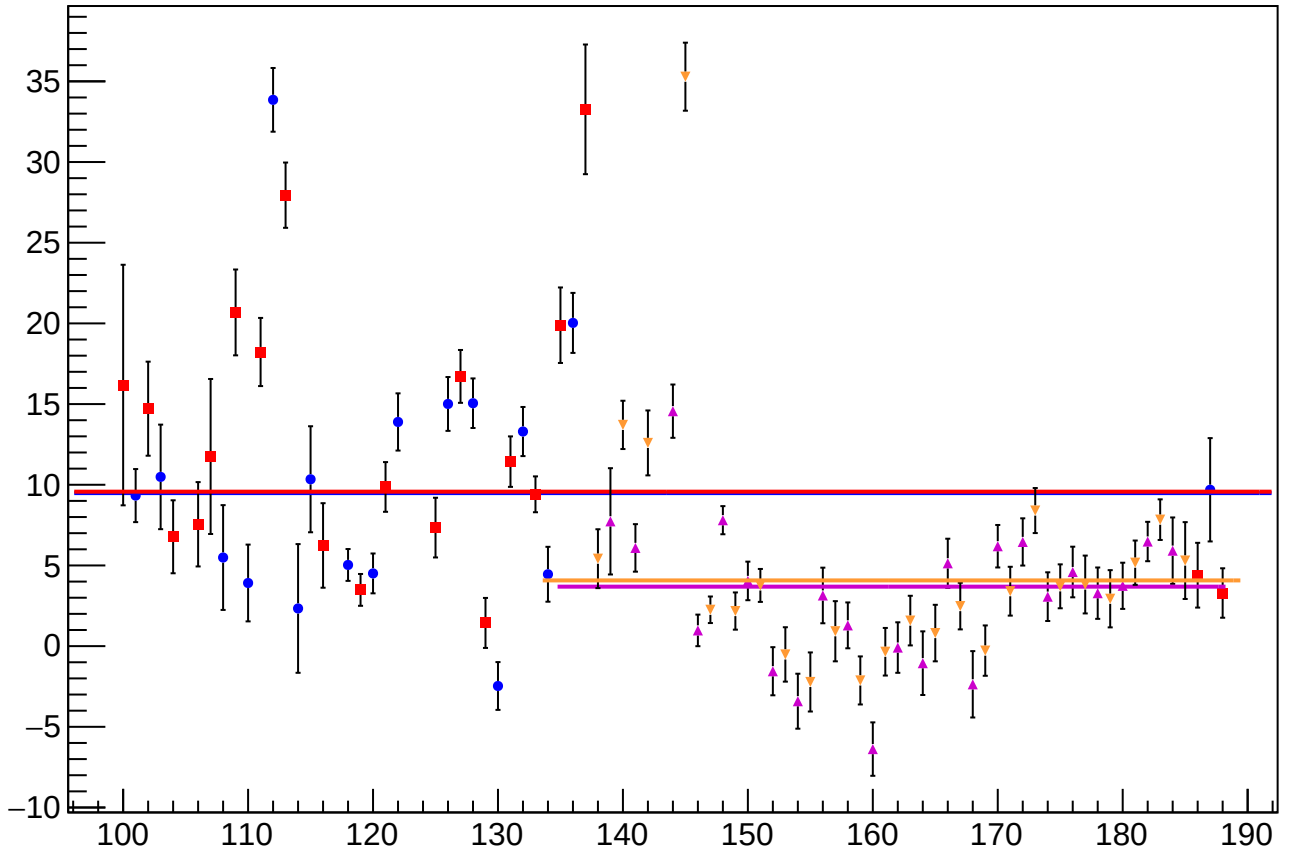
Right: 0.043+/-0.003 χ^2/NDF: 12412.7/37

In: 0.191+/-0.002 χ^2/NDF:11641.7/39

Out: 0.180+/-0.002 χ^2/NDF:12518.3/45

All: 0.186+/-0.001 χ^2/NDF: 24176.0/85


reg_asym_usl_diff_bpm1X_slope vs Slug, Sign Corrected
−20
−40
−60
−80
−100
−120
−140
100
110
120
130
140
150
160
170
180
190
Right In: -66.561+/-0.416 χ²/NDF: 1053.3/16
Left Out: -77.867+/-0.394 χ²/NDF:932.3/23
Right Out: -66.346+/-0.380 χ²/NDF: 1400.5/19
Left In: -77.643+/-0.396 χ²/NDF:693.3/22
Left: -77.756+/-0.279 χ²/NDF: 1625.8/46
Right: -66.444+/-0.281 χ²/NDF: 2454.0/36
In: -72.373+/-0.287 χ²/NDF:2118.2/39
Out: -71.900+/-0.274 χ²/NDF:2775.5/43
All: -72.125+/-0.198 χ²/NDF: 4895.1/83



Right In: 9.483+/-0.424 χ^2/NDF: 342.0/16

Left Out: 4.073+/-0.297 χ^2/NDF:370.6/23

Right Out: 9.573+/-0.410 χ^2/NDF: 289.8/19

Left In: 3.686+/-0.302 χ^2/NDF:182.6/22

Left: 3.883+/-0.212 χ^2/NDF: 554.0/46

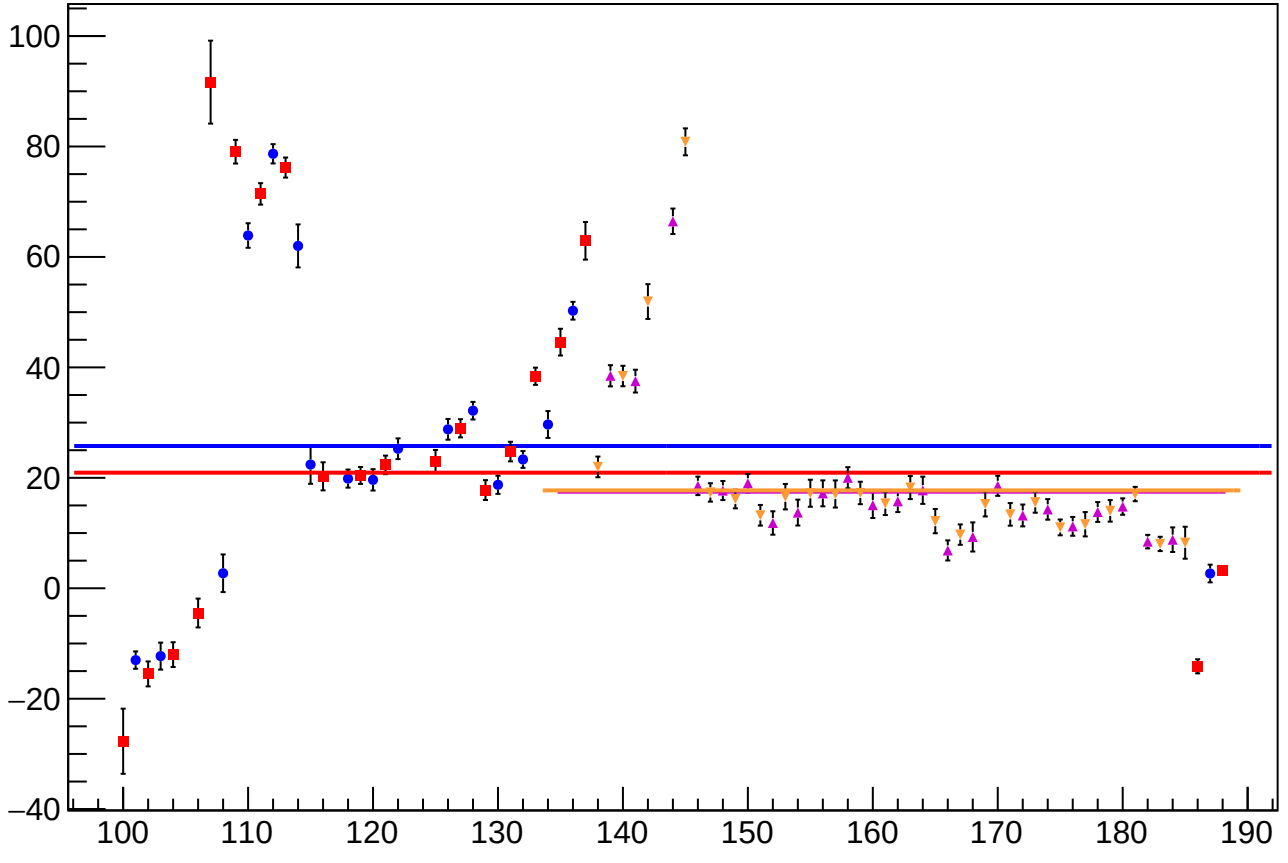
Right: 9.529+/-0.295 χ^2/NDF: 631.8/36

In: 5.632+/-0.246 χ^2/NDF:648.6/39

Out: 5.963+/-0.240 χ^2/NDF:778.4/43

All: 5.801+/-0.172 χ^2/NDF: 1427.9/83

reg_asym_usl_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 25.765+/-0.462 χ^2/NDF: 2700.7/16

Left Out: 17.723+/-0.391 χ^2/NDF:1058.3/23

Right Out: 20.932+/-0.405 χ^2/NDF: 4622.1/19

Left In: 17.491+/-0.393 χ^2/NDF:820.7/22

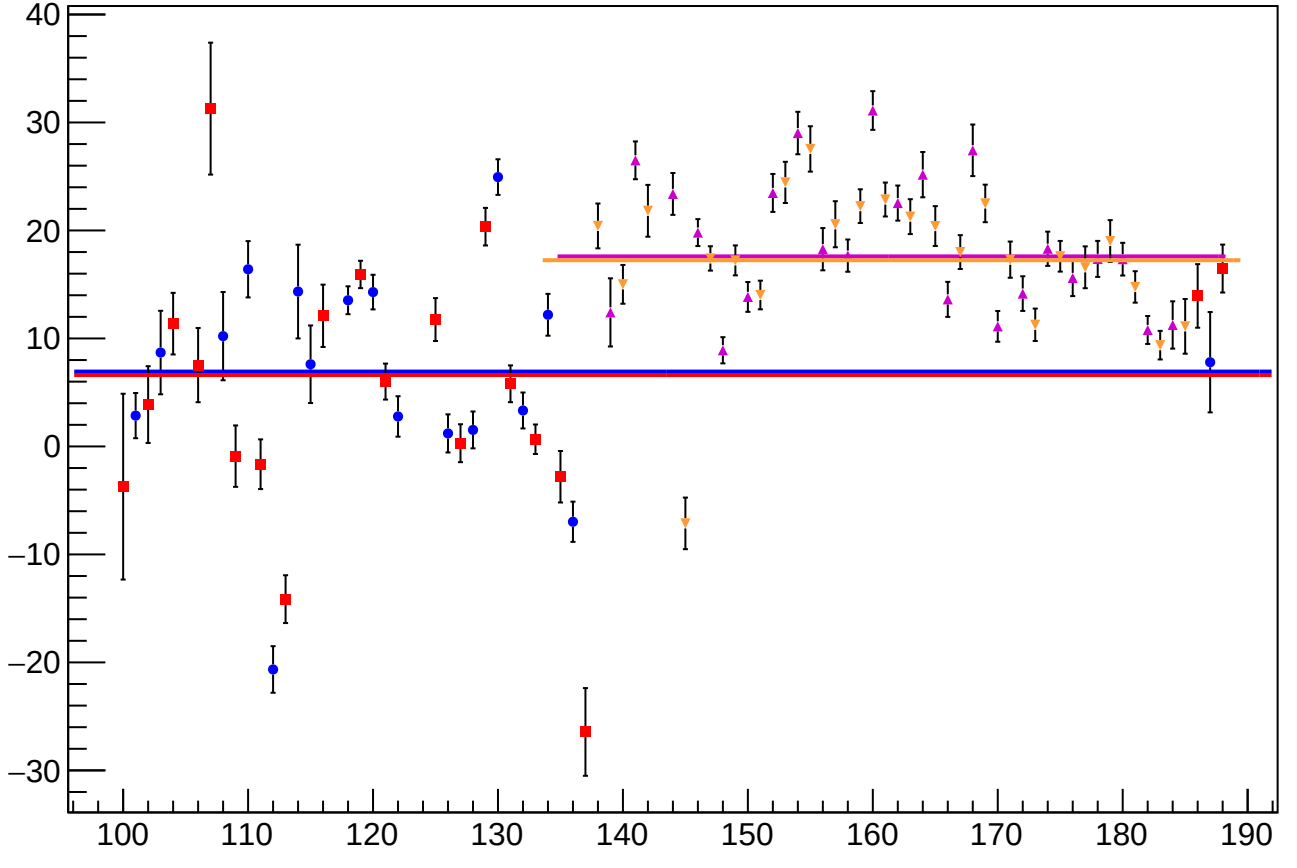
Left: 17.608+/-0.277 χ^2/NDF: 1879.2/46

Right: 23.032+/-0.305 χ^2/NDF: 7384.7/36

In: 20.963+/-0.299 χ^2/NDF:3707.6/39

Out: 19.272+/-0.281 χ^2/NDF:5712.9/43

All: 20.065+/-0.205 χ^2/NDF: 9437.4/83



Right In: 6.931+/-0.493 χ^2/NDF: 444.4/16

Left Out: 17.245+/-0.338 χ^2/NDF:260.8/23

Right Out: 6.613+/-0.483 χ^2/NDF: 395.6/19

Left In: 17.597+/-0.342 χ^2/NDF:309.7/22

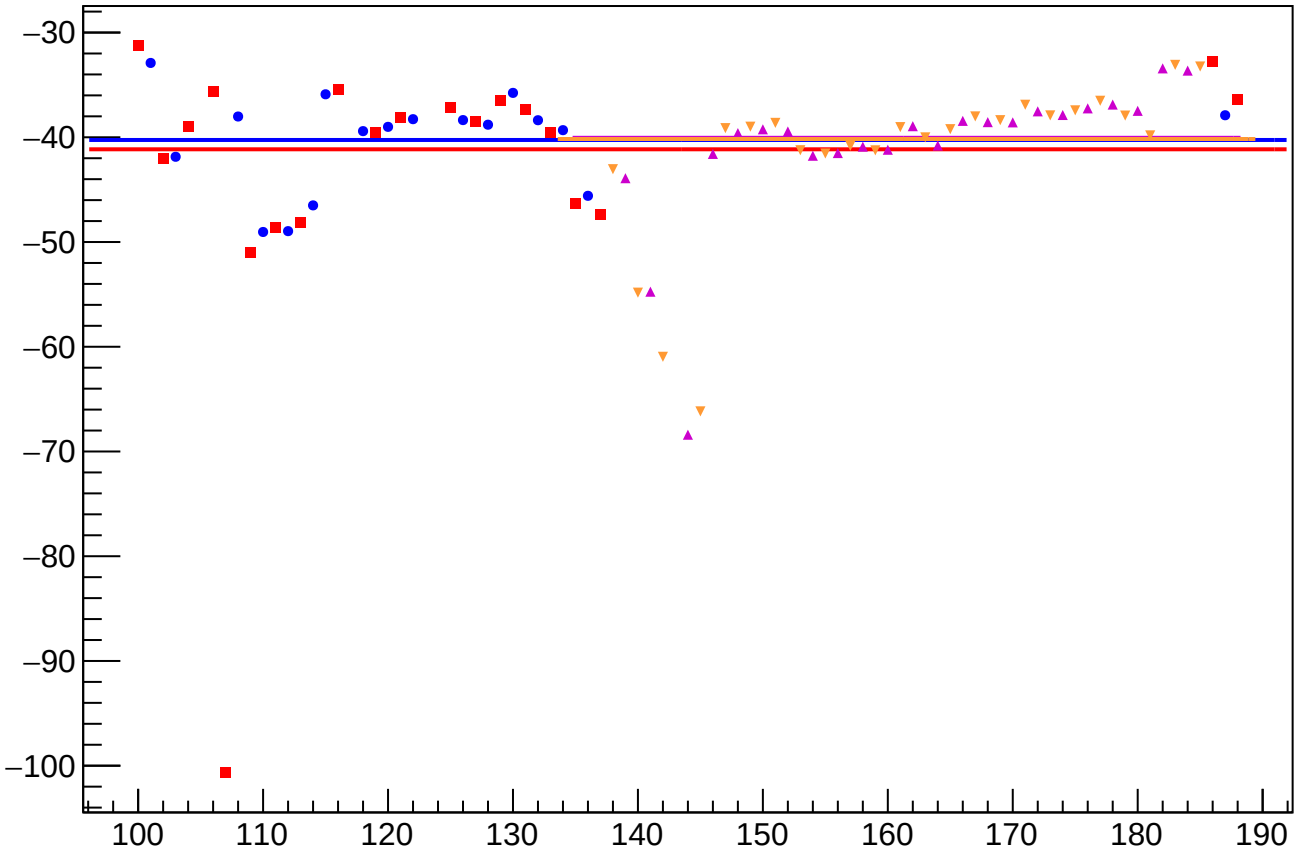
Left: 17.419+/-0.241 χ^2/NDF: 571.0/46

Right: 6.769+/-0.345 χ^2/NDF: 840.2/36

In: 14.127+/-0.281 χ^2/NDF:1070.0/39

Out: 13.746+/-0.277 χ^2/NDF:981.9/43

All: 13.933+/-0.197 χ^2/NDF: 2052.8/83



Right In: -40.257+/-0.031 χ^2/NDF: 20752.3/16

Left Out: -40.165+/-0.015 χ^2/NDF:163335.9/23

Right Out: -41.147+/-0.030 χ^2/NDF: 63307.9/19

Left In: -40.050+/-0.015 χ^2/NDF:136438.5/22

Left: -40.107+/-0.011 χ^2/NDF: 299802.1/46

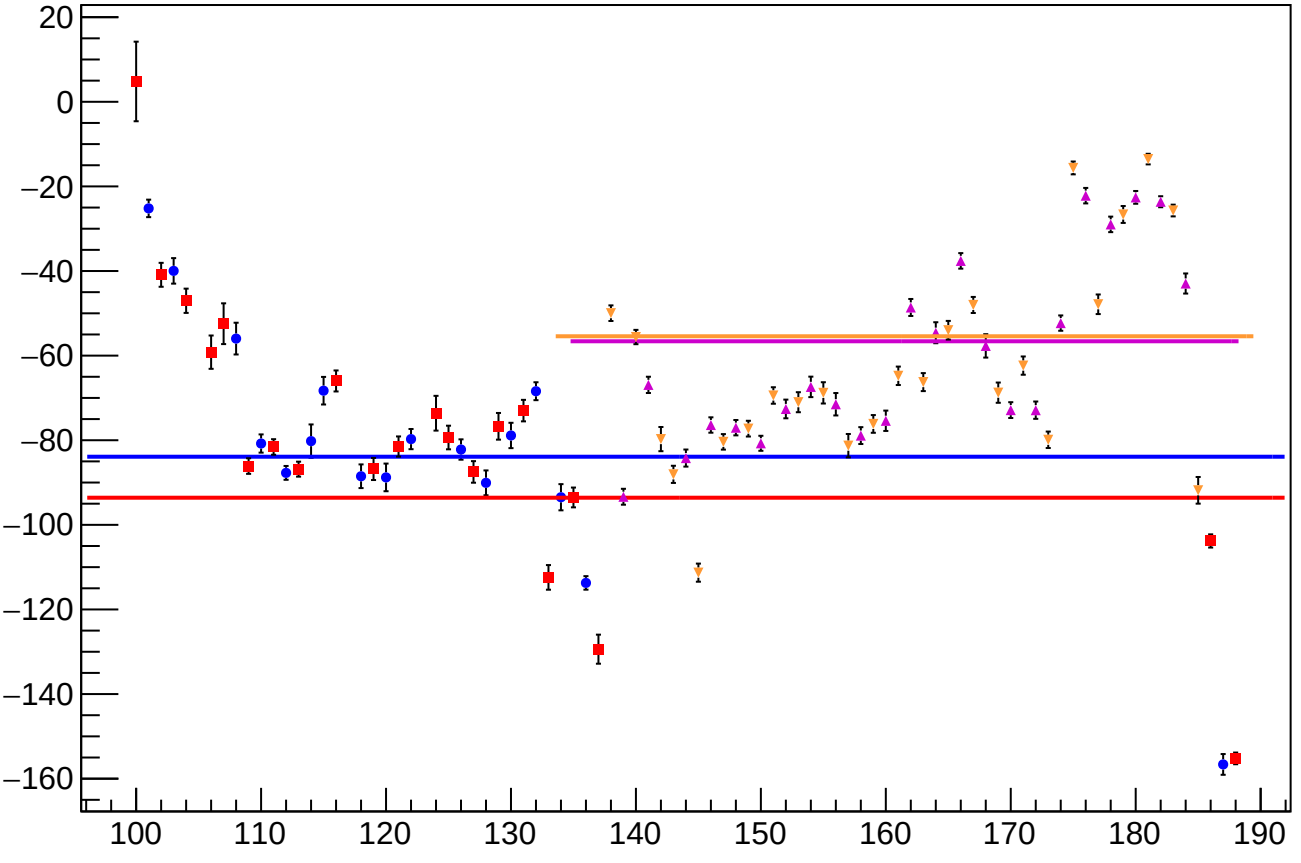
Right: -40.716+/-0.022 χ^2/NDF: 84481.5/36

In: -40.090+/-0.014 χ^2/NDF:157226.3/39

Out: -40.368+/-0.014 χ^2/NDF:227484.1/43

All: -40.230+/-0.010 χ^2/NDF: 384914.1/83

reg_asym_usr_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -83.896+/-0.593 χ^2/NDF: 2409.7/16

Left Out: -55.424+/-0.393 χ^2/NDF:4525.3/24

Right Out: -93.586+/-0.522 χ^2/NDF: 3428.0/20

Left In: -56.609+/-0.404 χ^2/NDF:3350.3/22

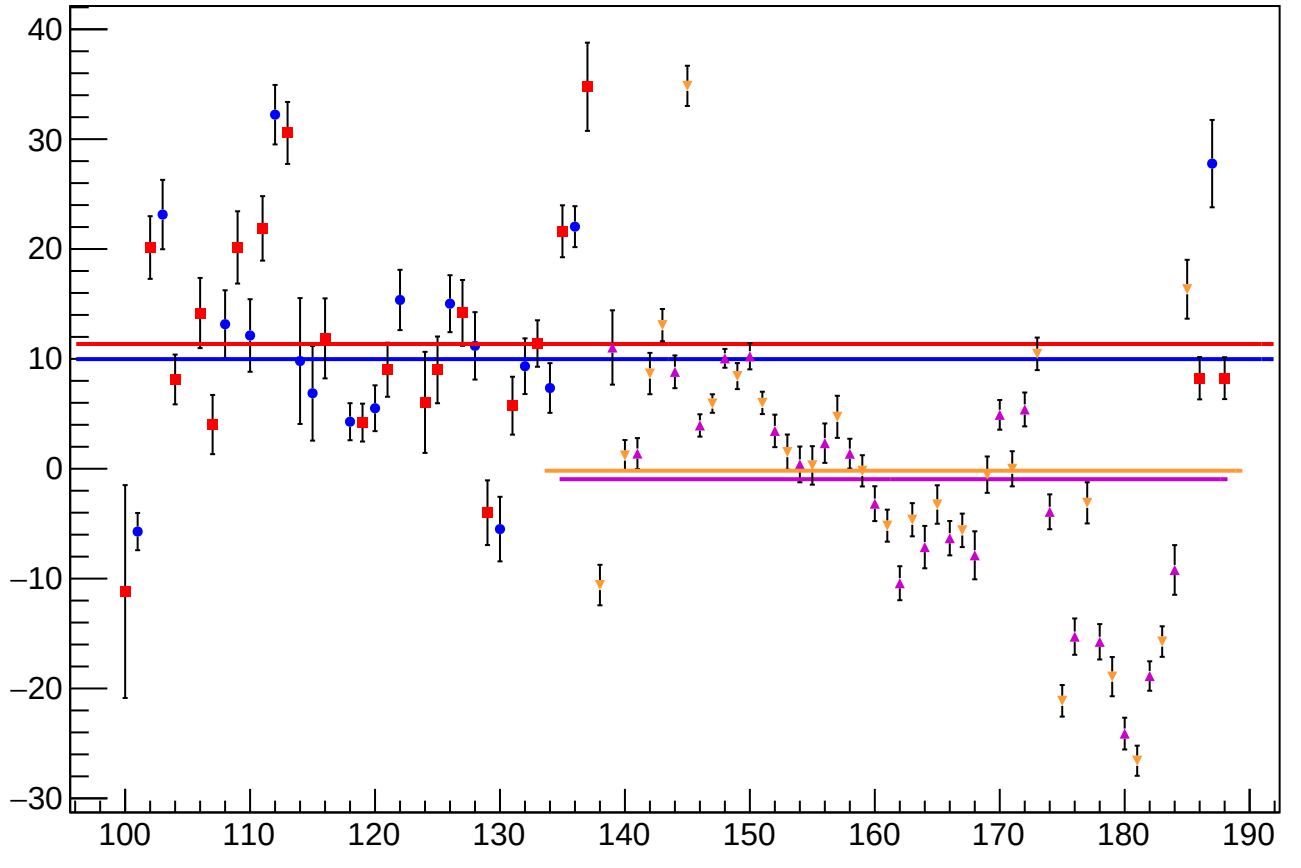
Left: -56.001+/-0.282 χ^2/NDF: 7880.0/47

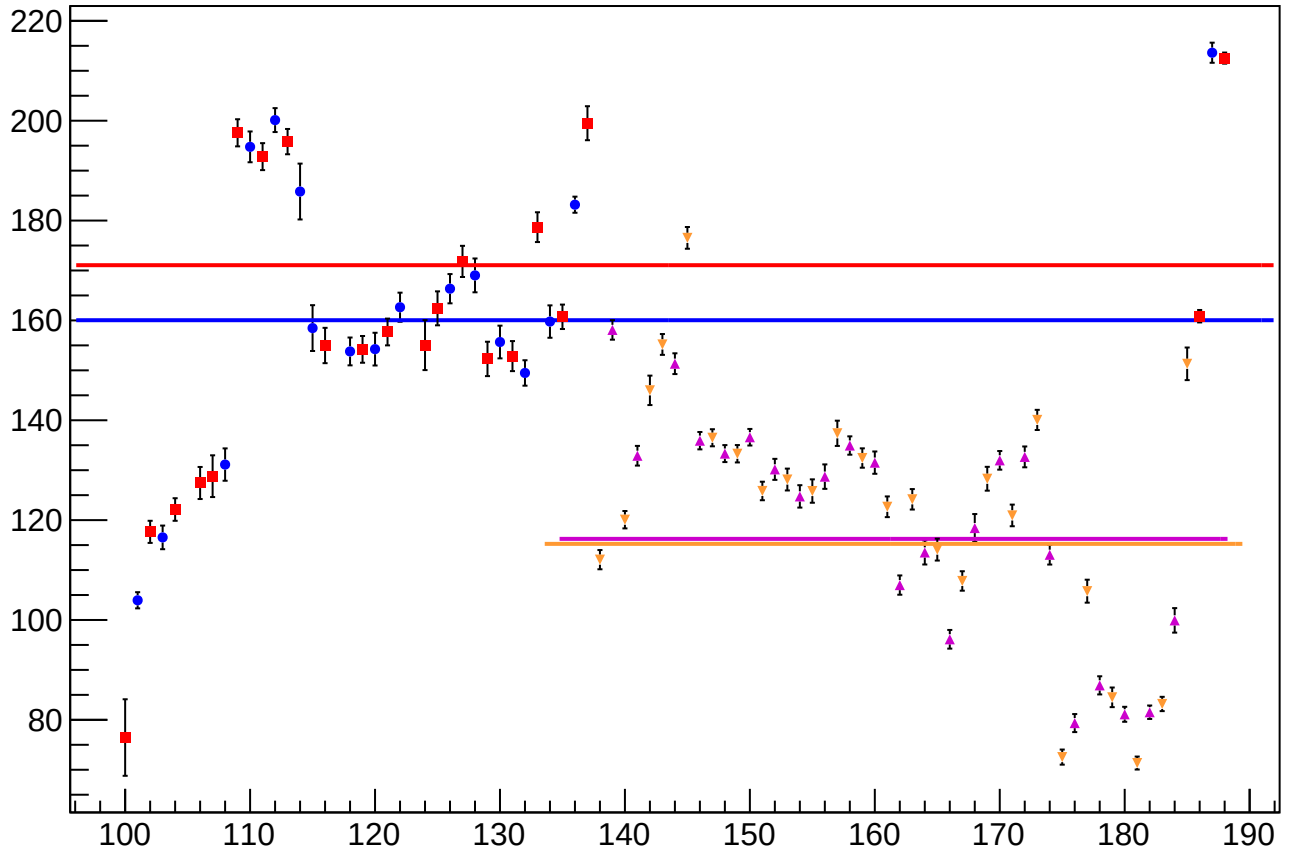
Right: -89.358+/-0.392 χ^2/NDF: 5988.2/37

In: -65.253+/-0.334 χ^2/NDF:7206.8/39

Out: -69.253+/-0.314 χ^2/NDF:11365.1/45

All: -67.374+/-0.229 χ^2/NDF: 18648.1/85


reg_asym_usr_diff_bpm4aY_slope vs Slug, Sign Corrected
40
30
20
10
0
−10
−20
−30
100
110
120
130
140
150
160
170
180
190
Right In: 9.977+/-0.614 χ²/NDF: 287.6/16
Left Out: -0.179+/-0.294 χ²/NDF:1598.6/24
Right Out: 11.355+/-0.576 χ²/NDF: 202.3/20
Left In: -0.952+/-0.304 χ²/NDF:1069.6/22
Left: -0.553+/-0.211 χ²/NDF: 2671.5/47
Right: 10.709+/-0.420 χ²/NDF: 492.5/37
In: 1.201+/-0.272 χ²/NDF:1611.7/39
Out: 2.205+/-0.262 χ²/NDF:2118.7/45
All: 1.723+/-0.189 χ²/NDF: 3737.5/85



Right In: 160.041+/-0.629 χ^2/NDF: 2997.4/16

Left Out: 115.243+/-0.390 χ^2/NDF:4836.5/24

Right Out: 171.061+/-0.527 χ^2/NDF: 3469.8/20

Left In: 116.246+/-0.399 χ^2/NDF:3637.3/22

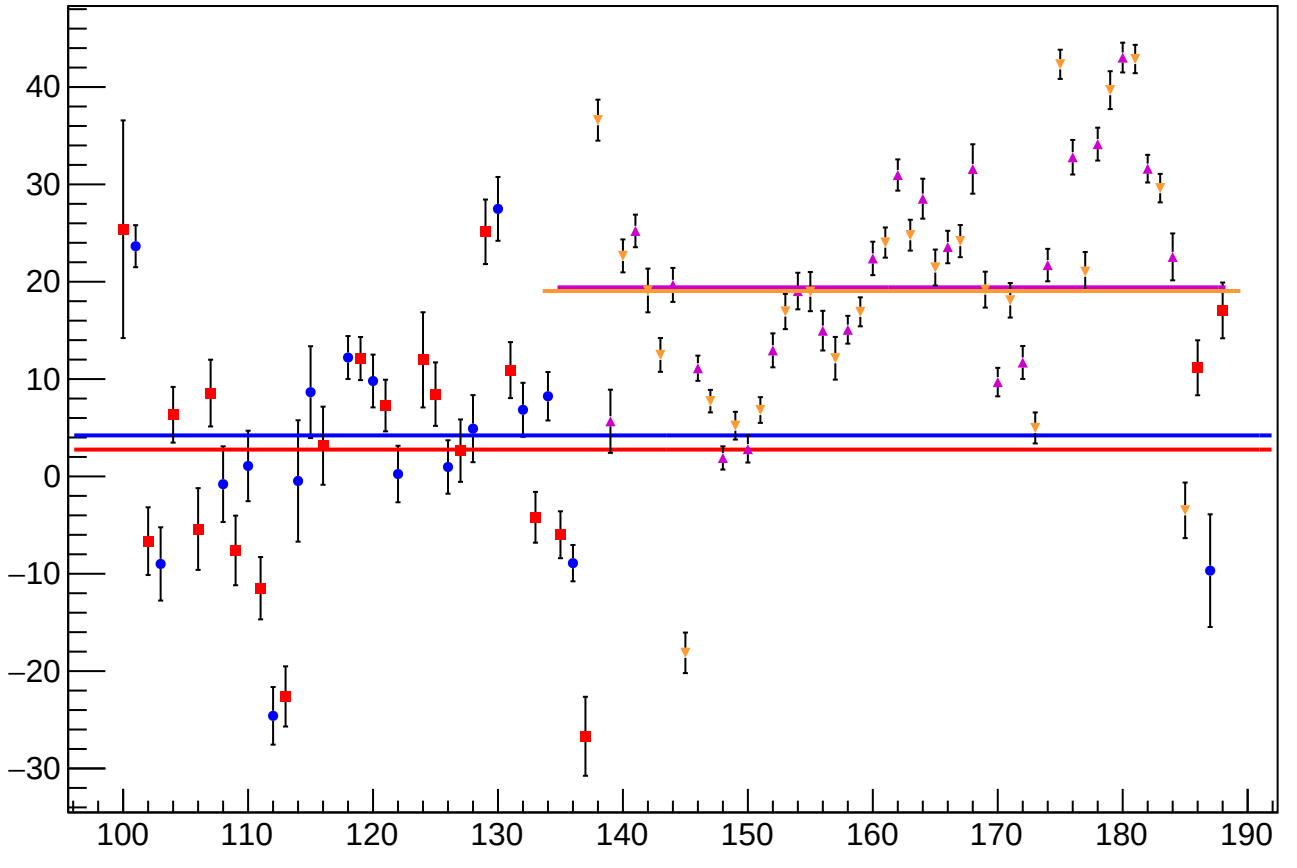
Left: 115.733+/-0.279 χ^2/NDF: 8477.1/47

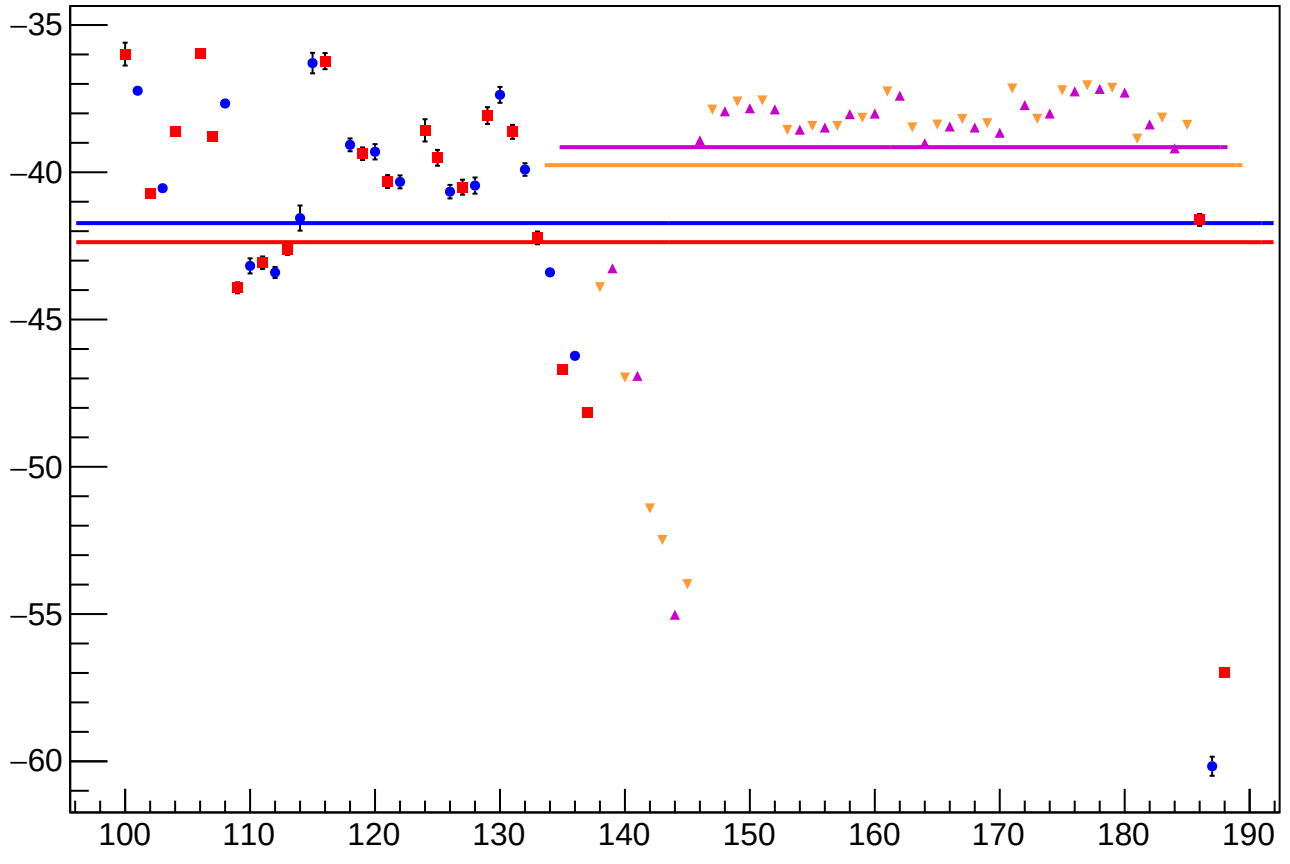
Right: 166.513+/-0.404 χ^2/NDF: 6647.6/37

In: 128.829+/-0.337 χ^2/NDF:10093.3/39

Out: 135.016+/-0.314 χ^2/NDF:15549.9/45

All: 132.144+/-0.230 χ^2/NDF: 25823.8/85


reg_asym_usr_diff_bpm4eY_slope vs Slug, Sign Corrected
40
30
20
10
0
−10
−20
−30
100
110
120
130
140
150
160
170
180
190
Right In: 4.213+/-0.709 χ²/NDF: 321.9/16
Left Out: 19.046+/-0.336 χ²/NDF:1545.8/24
Right Out: 2.757+/-0.688 χ²/NDF: 302.8/20
Left In: 19.425+/-0.346 χ²/NDF:1077.2/22
Left: 19.230+/-0.241 χ²/NDF: 2623.6/47
Right: 3.463+/-0.493 χ²/NDF: 626.9/37
In: 16.500+/-0.311 χ²/NDF:1771.4/39
Out: 15.904+/-0.302 χ²/NDF:2301.6/45
All: 16.194+/-0.217 χ²/NDF: 4074.9/85



Right In: -41.727+/-0.038 χ^2/NDF: 11192.2/16

Left Out: -39.758+/-0.015 χ^2/NDF:81865.0/24

Right Out: -42.373+/-0.038 χ^2/NDF: 17871.5/20

Left In: -39.147+/-0.016 χ^2/NDF:46907.5/22

Left: -39.456+/-0.011 χ^2/NDF: 129547.1/47

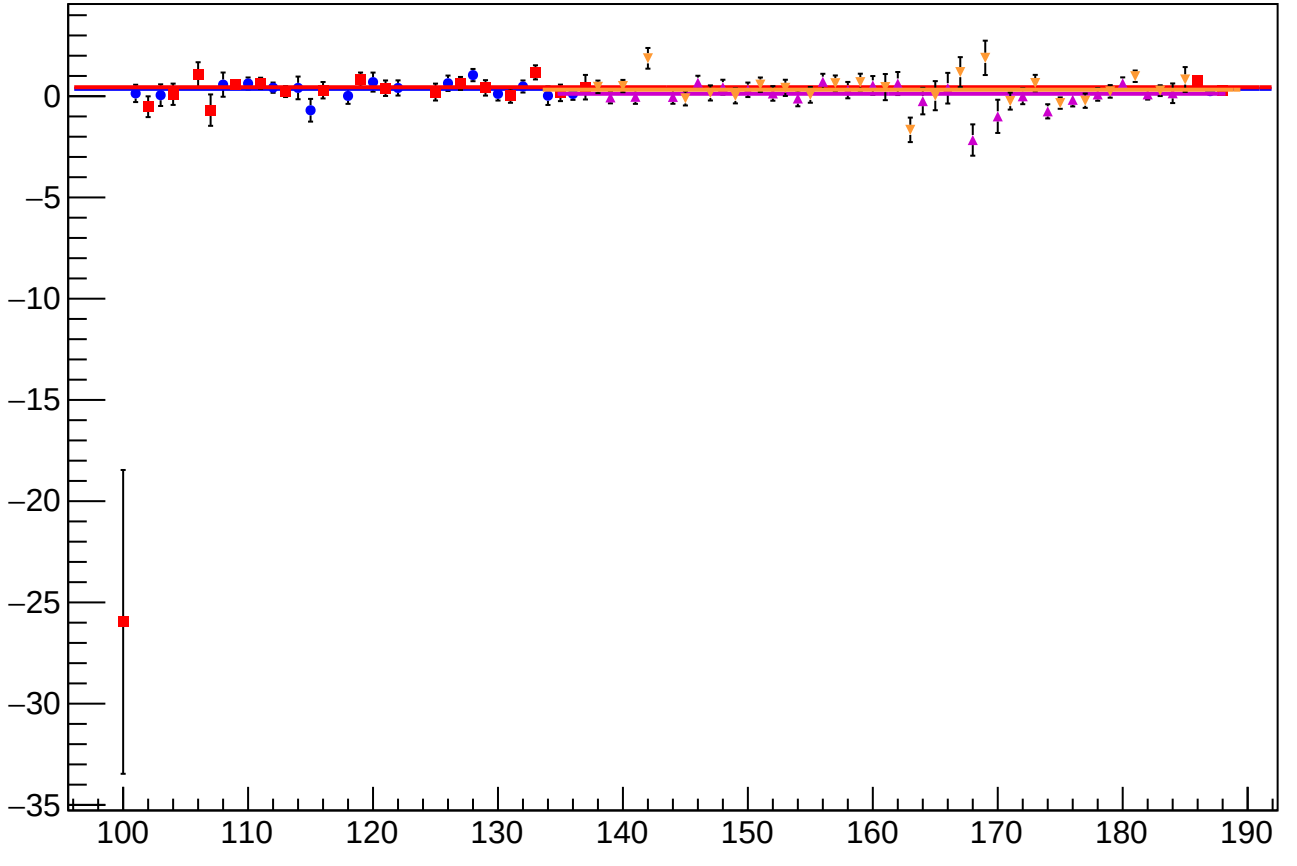
Right: -42.052+/-0.027 χ^2/NDF: 29210.6/37

In: -39.522+/-0.014 χ^2/NDF:62068.8/39

Out: -40.135+/-0.014 χ^2/NDF:103876.8/45

All: -39.832+/-0.010 χ^2/NDF: 166857.7/85

reg_asym_dsl_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.363+/-0.085 χ^2/NDF: 14.3/16

Left Out: 0.321+/-0.078 χ^2/NDF:46.9/23

Right Out: 0.443+/-0.068 χ^2/NDF: 34.5/19

Left In: 0.120+/-0.079 χ^2/NDF:30.0/22

Left: 0.222+/-0.056 χ^2/NDF: 80.1/46

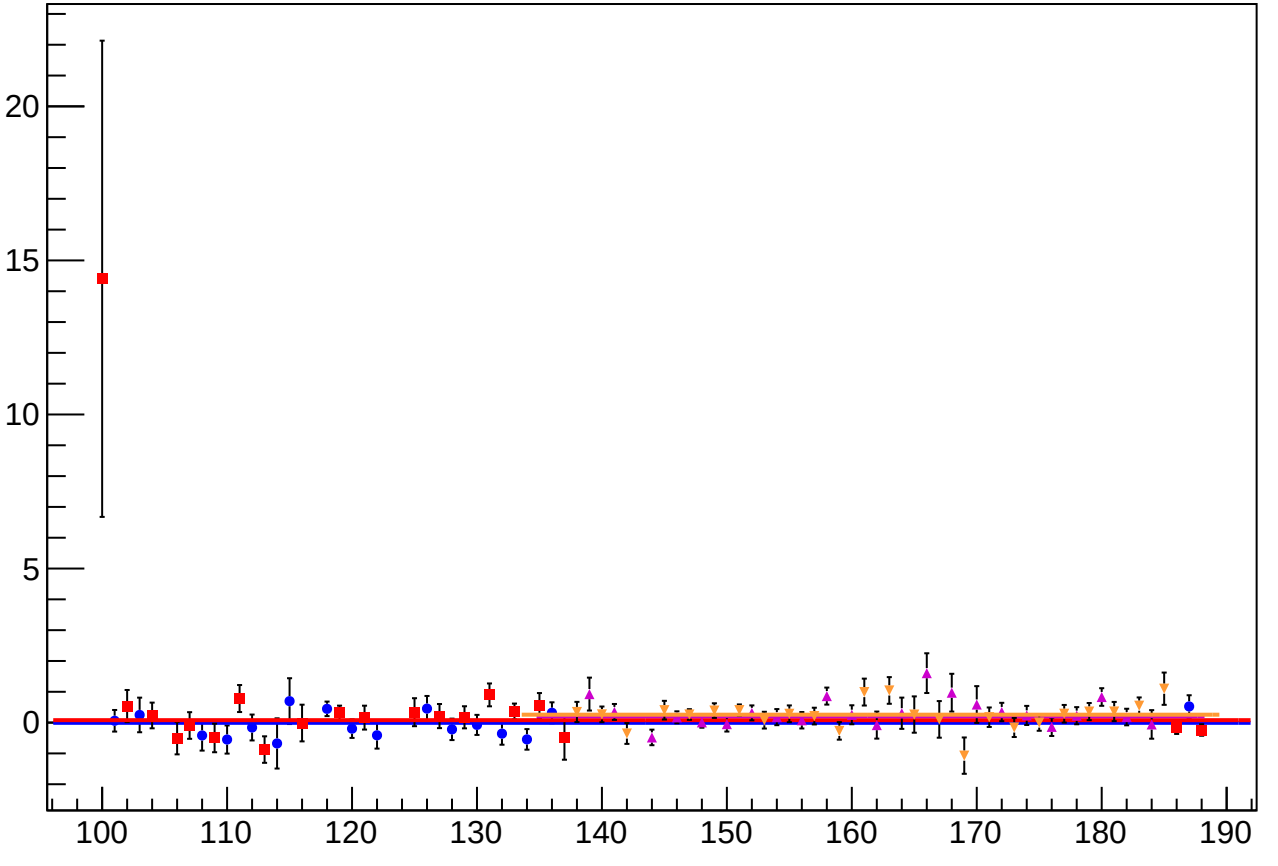
Right: 0.412+/-0.053 χ^2/NDF: 49.3/36

In: 0.233+/-0.058 χ^2/NDF:48.6/39

Out: 0.391+/-0.051 χ^2/NDF:82.8/43

All: 0.322+/-0.038 χ^2/NDF: 135.6/83

reg_asym_dsl_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.007+/-0.091 χ^2/NDF: 17.3/16

Left Out: 0.257+/-0.059 χ^2/NDF:26.5/23

Right Out: 0.079+/-0.078 χ^2/NDF: 28.7/19

Left In: 0.207+/-0.060 χ^2/NDF:31.9/22

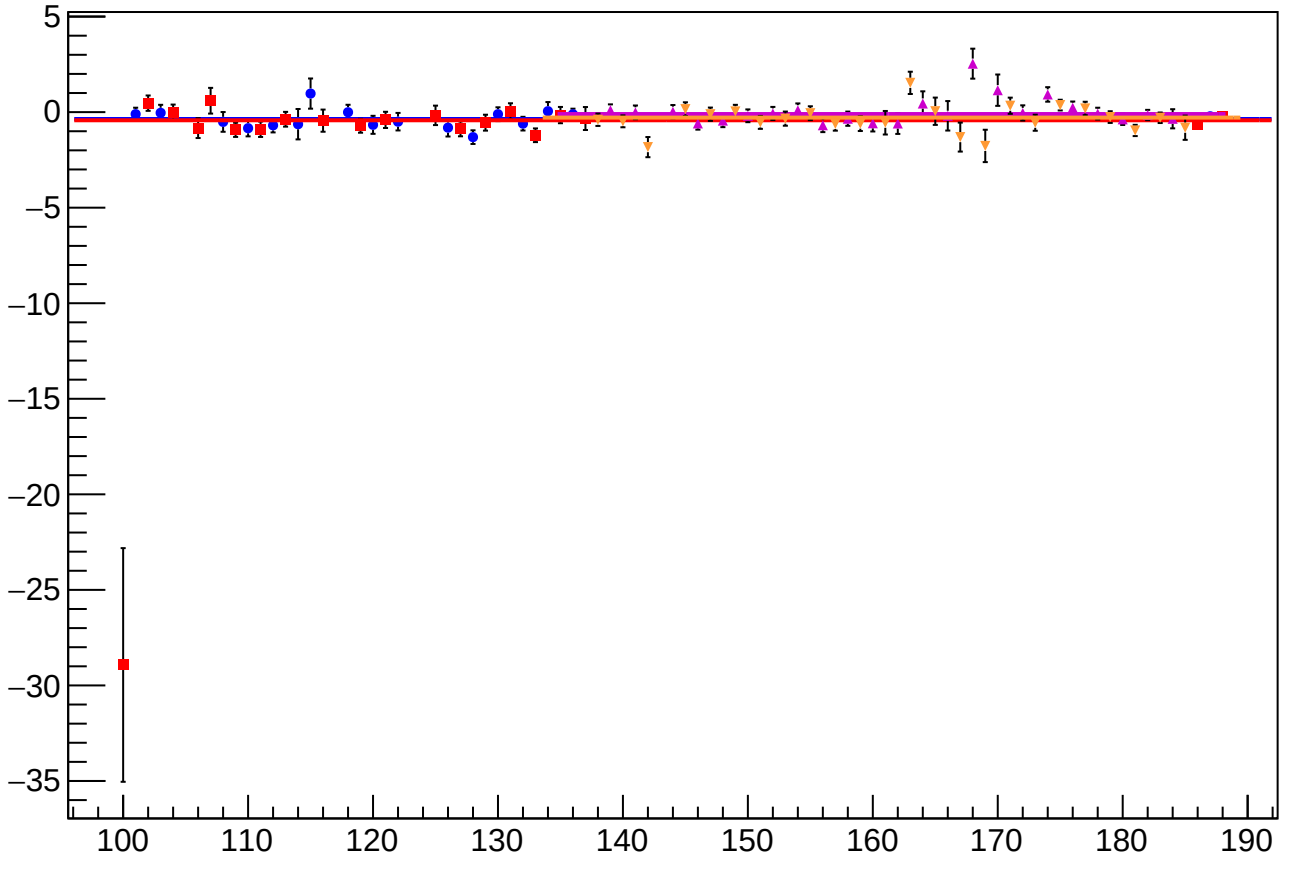
Left: 0.232+/-0.042 χ^2/NDF: 58.7/46

Right: 0.042+/-0.059 χ^2/NDF: 46.5/36

In: 0.142+/-0.050 χ^2/NDF:53.0/39

Out: 0.192+/-0.047 χ^2/NDF:58.5/43

All: 0.168+/-0.034 χ^2/NDF: 112.0/83



Right In: -0.360+/-0.090 χ^2/NDF: 18.6/16

Left Out: -0.286+/-0.077 χ^2/NDF:45.0/23

Right Out: -0.426+/-0.065 χ^2/NDF: 47.9/19

Left In: -0.100+/-0.078 χ^2/NDF:33.2/22

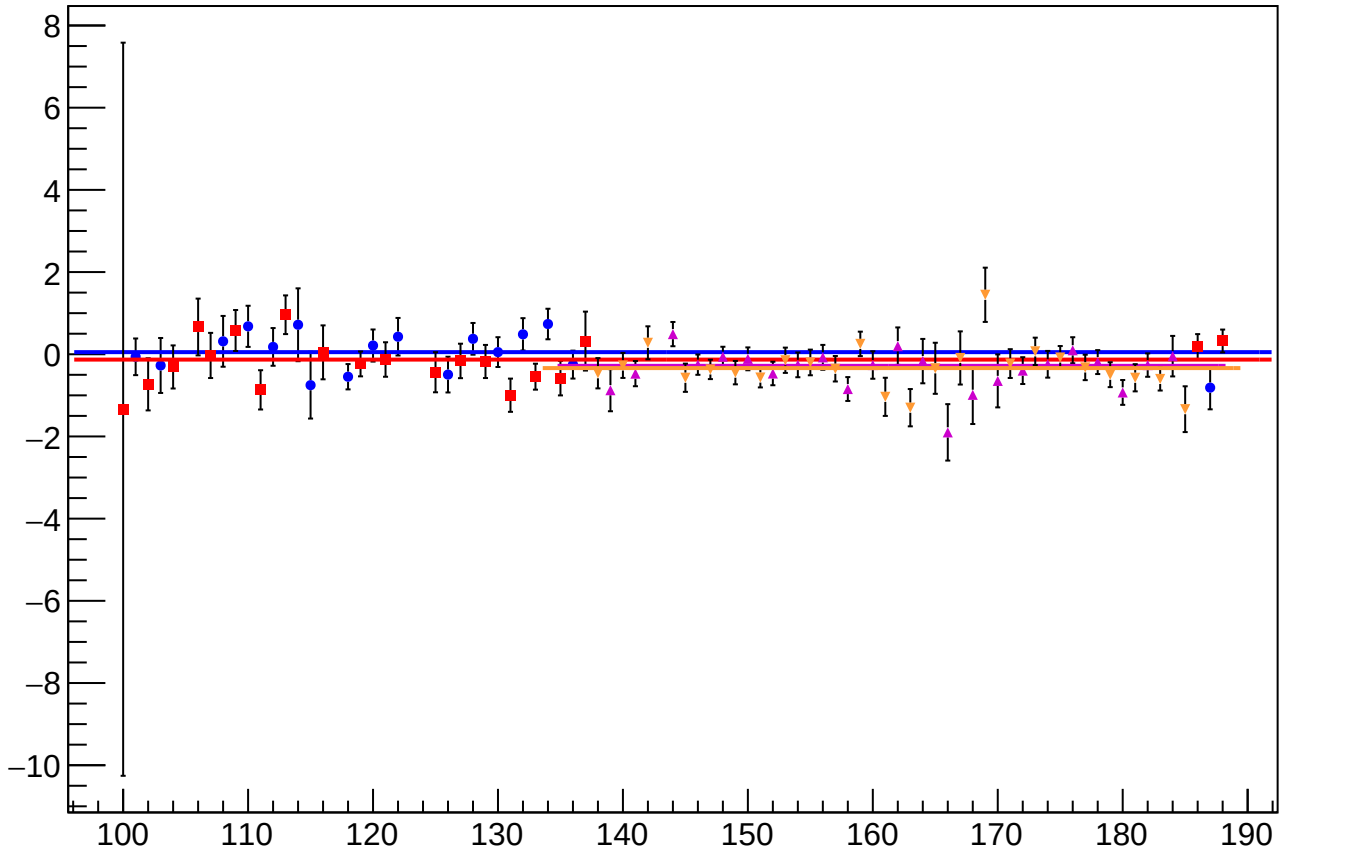
Left: -0.194+/-0.055 χ^2/NDF: 81.1/46

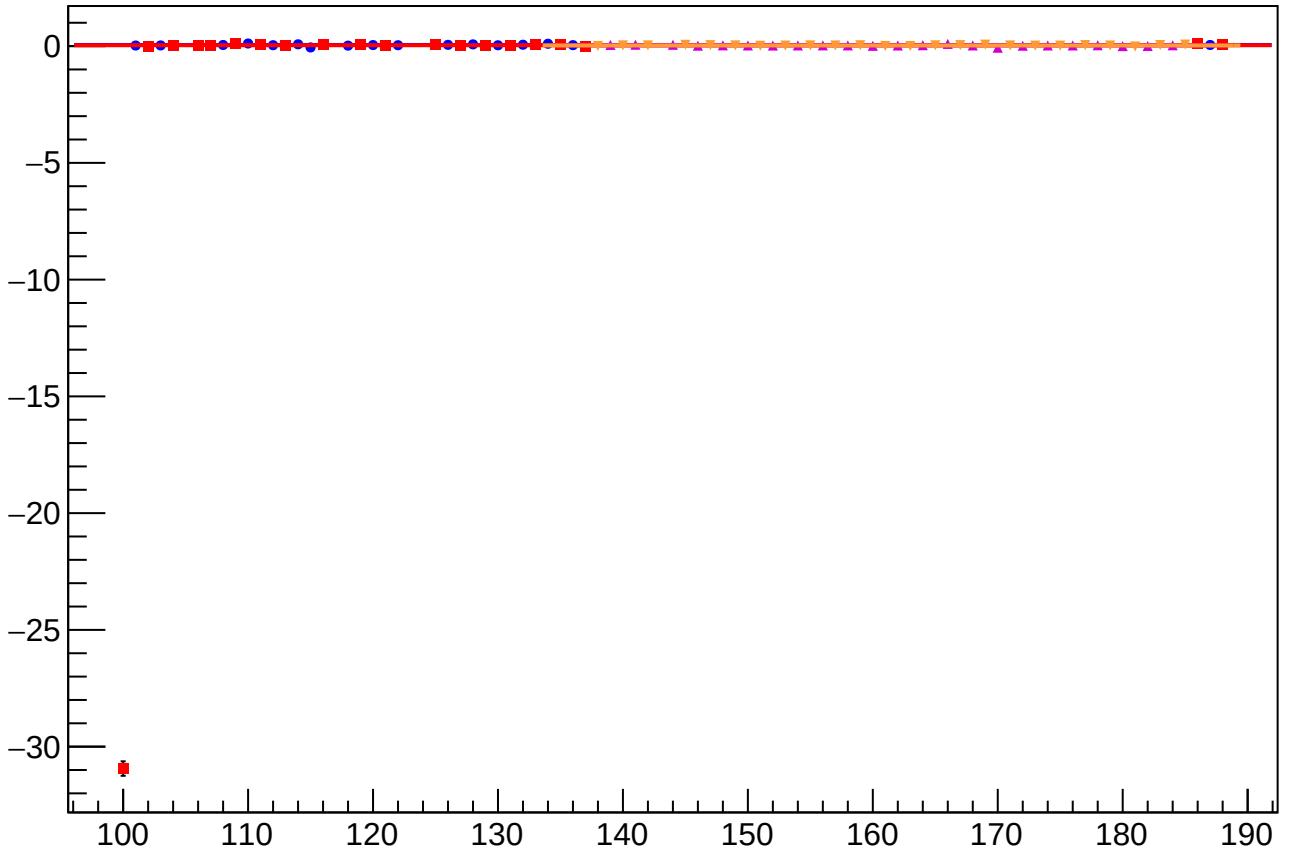
Right: -0.404+/-0.053 χ^2/NDF: 66.9/36

In: -0.212+/-0.059 χ^2/NDF:56.6/39

Out: -0.369+/-0.050 χ^2/NDF:94.9/43

All: -0.304+/-0.038 χ^2/NDF: 155.6/83


reg_asym_dsl_diff_bpm4eY_slope vs Slug, Sign Corrected
8
6
4
2
0
−2
−4
−6
−8
−10
100
110
120
130
140
150
160
170
180
190
Right In: 0.052+/-0.106 χ²/NDF: 18.7/16
Left Out: -0.337+/-0.068 χ²/NDF:30.1/23
Right Out: -0.130+/-0.097 χ²/NDF: 24.4/19
Left In: -0.282+/-0.069 χ²/NDF:29.0/22
Left: -0.310+/-0.048 χ²/NDF: 59.4/46
Right: -0.048+/-0.071 χ²/NDF: 44.6/36
In: -0.183+/-0.058 χ²/NDF:54.6/39
Out: -0.268+/-0.056 χ²/NDF:57.6/43
All: -0.227+/-0.040 χ²/NDF: 113.3/83



Right In: 0.049+/-0.006 χ^2/NDF: 19.2/16

Left Out: 0.028+/-0.003 χ^2/NDF:27.6/23

Right Out: 0.038+/-0.006 χ^2/NDF: 10037.5/19

Left In: 0.029+/-0.003 χ^2/NDF:38.9/22

Left: 0.029+/-0.002 χ^2/NDF: 66.6/46

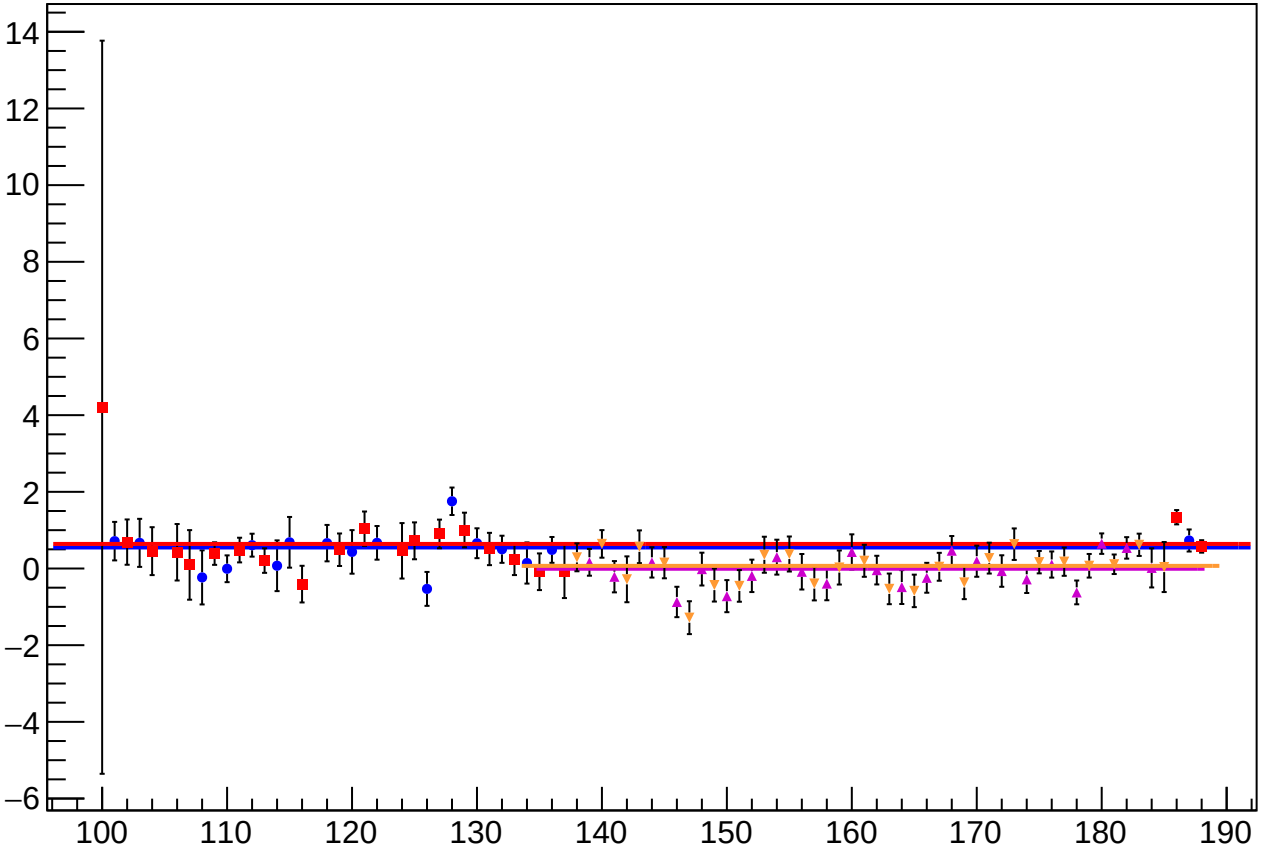
Right: 0.043+/-0.004 χ^2/NDF: 10058.4/36

In: 0.033+/-0.003 χ^2/NDF:65.9/39

Out: 0.030+/-0.003 χ^2/NDF:10067.4/43

All: 0.032+/-0.002 χ^2/NDF: 10134.0/83

reg_asym_dsr_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.548+/-0.102 χ^2/NDF: 23.1/16

Left Out: 0.069+/-0.077 χ^2/NDF:31.1/24

Right Out: 0.641+/-0.080 χ^2/NDF: 28.8/20

Left In: -0.006+/-0.079 χ^2/NDF:28.5/22

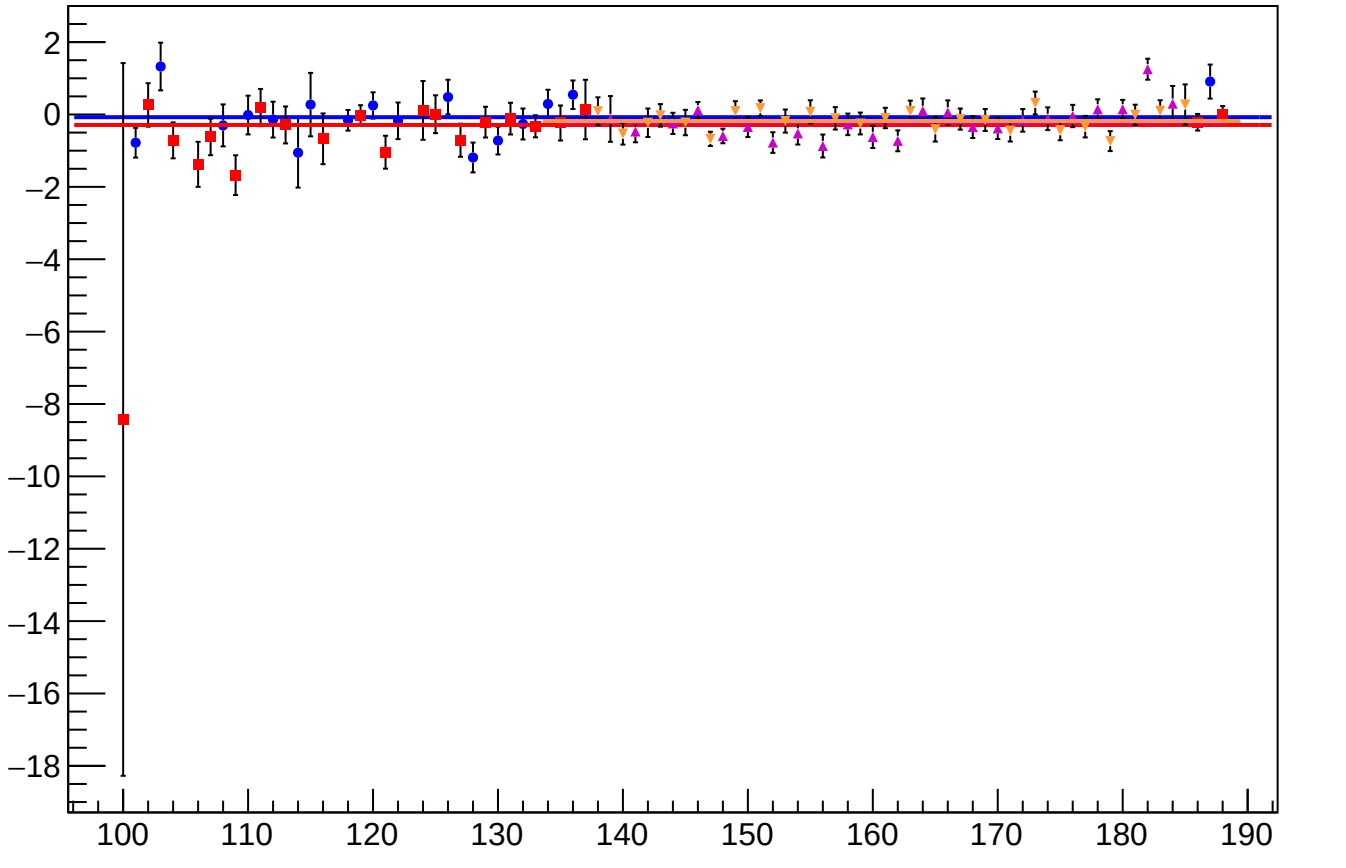
Left: 0.032+/-0.055 χ^2/NDF: 60.1/47

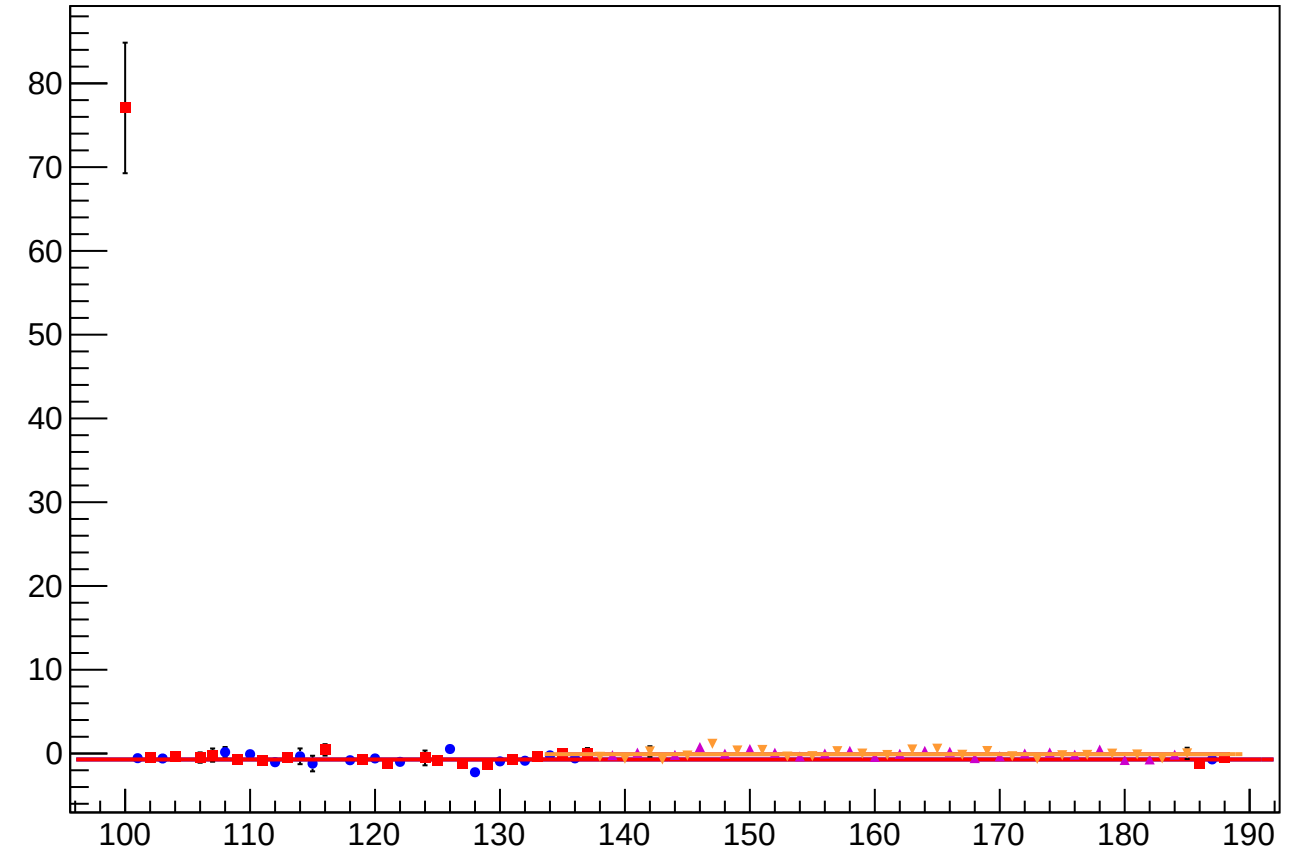
Right: 0.606+/-0.063 χ^2/NDF: 52.4/37

In: 0.204+/-0.063 χ^2/NDF:70.1/39

Out: 0.346+/-0.056 χ^2/NDF:86.5/45

All: 0.283+/-0.042 χ^2/NDF: 159.5/85


reg_asym_dsr_diff_bpm4aY_slope vs Slug, Sign Corrected
2
0
−2
−4
−6
−8
−10
−12
−14
−16
−18
100
110
120
130
140
150
160
170
180
190
Right In: -0.075+/-0.109 χ²/NDF: 29.2/16
Left Out: -0.180+/-0.059 χ²/NDF:24.7/24
Right Out: -0.290+/-0.092 χ²/NDF: 20.5/20
Left In: -0.216+/-0.062 χ²/NDF:53.6/22
Left: -0.197+/-0.043 χ²/NDF: 78.5/47
Right: -0.200+/-0.070 χ²/NDF: 51.9/37
In: -0.181+/-0.054 χ²/NDF:84.1/39
Out: -0.212+/-0.050 χ²/NDF:46.2/45
All: -0.198+/-0.036 χ²/NDF: 130.4/85



Right In: -0.711+/-0.108 χ^2/NDF: 24.9/16

Left Out: -0.077+/-0.077 χ^2/NDF:30.0/24

Right Out: -0.712+/-0.077 χ^2/NDF: 122.5/20

Left In: -0.075+/-0.079 χ^2/NDF:28.3/22

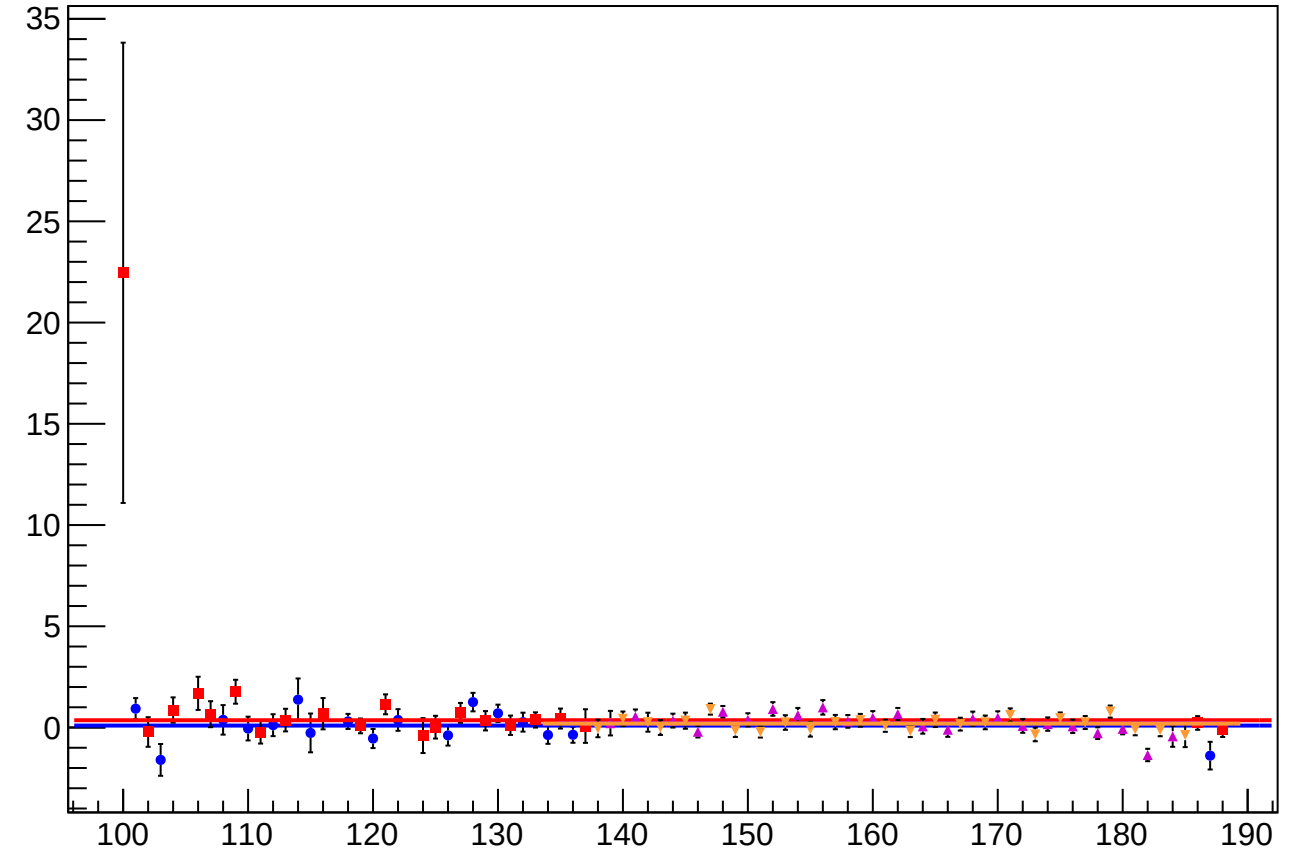
Left: -0.076+/-0.055 χ^2/NDF: 58.3/47

Right: -0.711+/-0.062 χ^2/NDF: 147.4/37

In: -0.295+/-0.064 χ^2/NDF:75.8/39

Out: -0.395+/-0.054 χ^2/NDF:186.8/45

All: -0.353+/-0.041 χ^2/NDF: 264.0/85



Right In: 0.096+/-0.126 χ^2/NDF: 28.2/16

Left Out: 0.193+/-0.067 χ^2/NDF:25.9/24

Right Out: 0.359+/-0.113 χ^2/NDF: 22.3/20

Left In: 0.215+/-0.069 χ^2/NDF:55.1/22

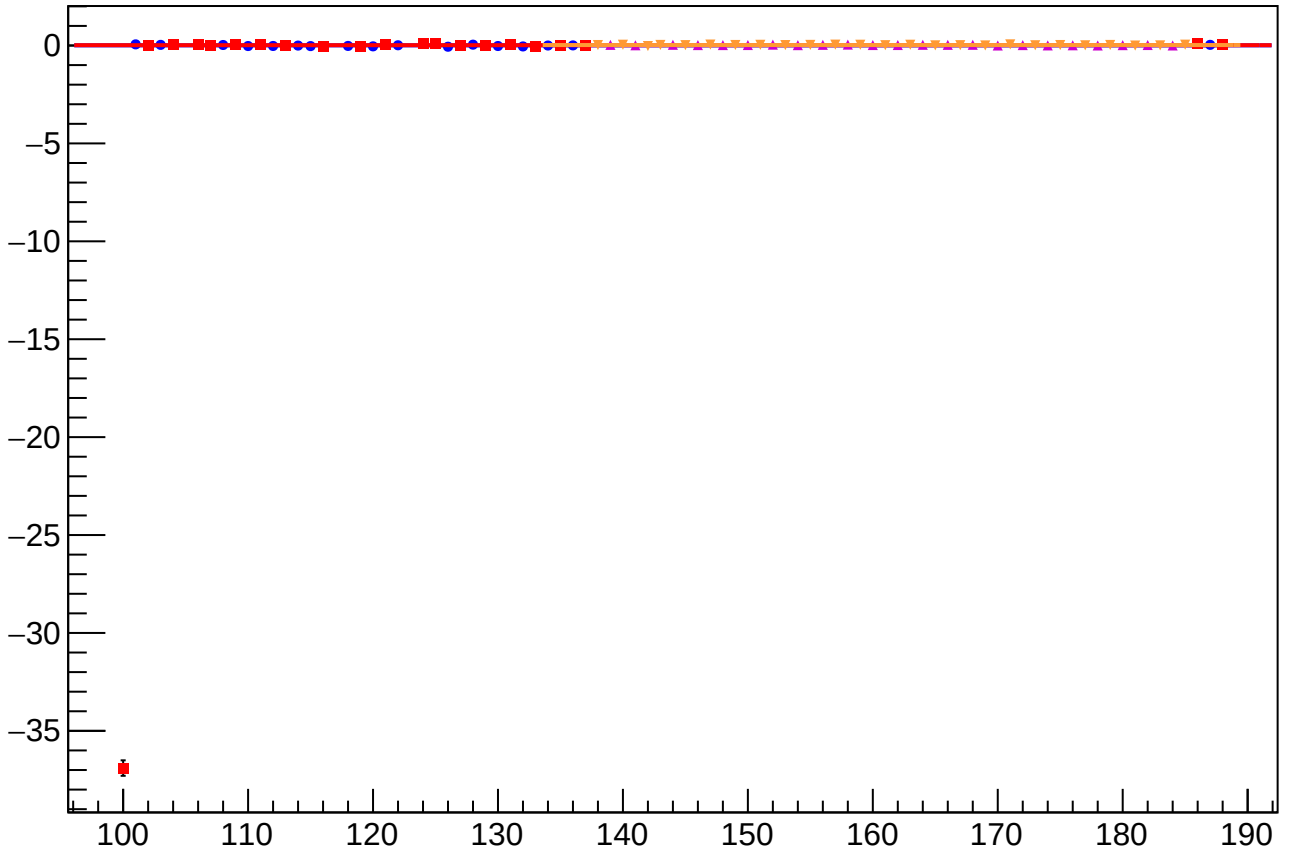
Left: 0.204+/-0.048 χ^2/NDF: 81.0/47

Right: 0.242+/-0.084 χ^2/NDF: 52.8/37

In: 0.187+/-0.061 χ^2/NDF:83.9/39

Out: 0.236+/-0.058 χ^2/NDF:49.7/45

All: 0.213+/-0.042 χ^2/NDF: 134.0/85



Right In: 0.007+/-0.007 χ^2/NDF: 18.1/16

Left Out: 0.024+/-0.003 χ^2/NDF:30.2/24

Right Out: 0.016+/-0.007 χ^2/NDF: 8773.7/20

Left In: 0.024+/-0.003 χ^2/NDF:18.0/22

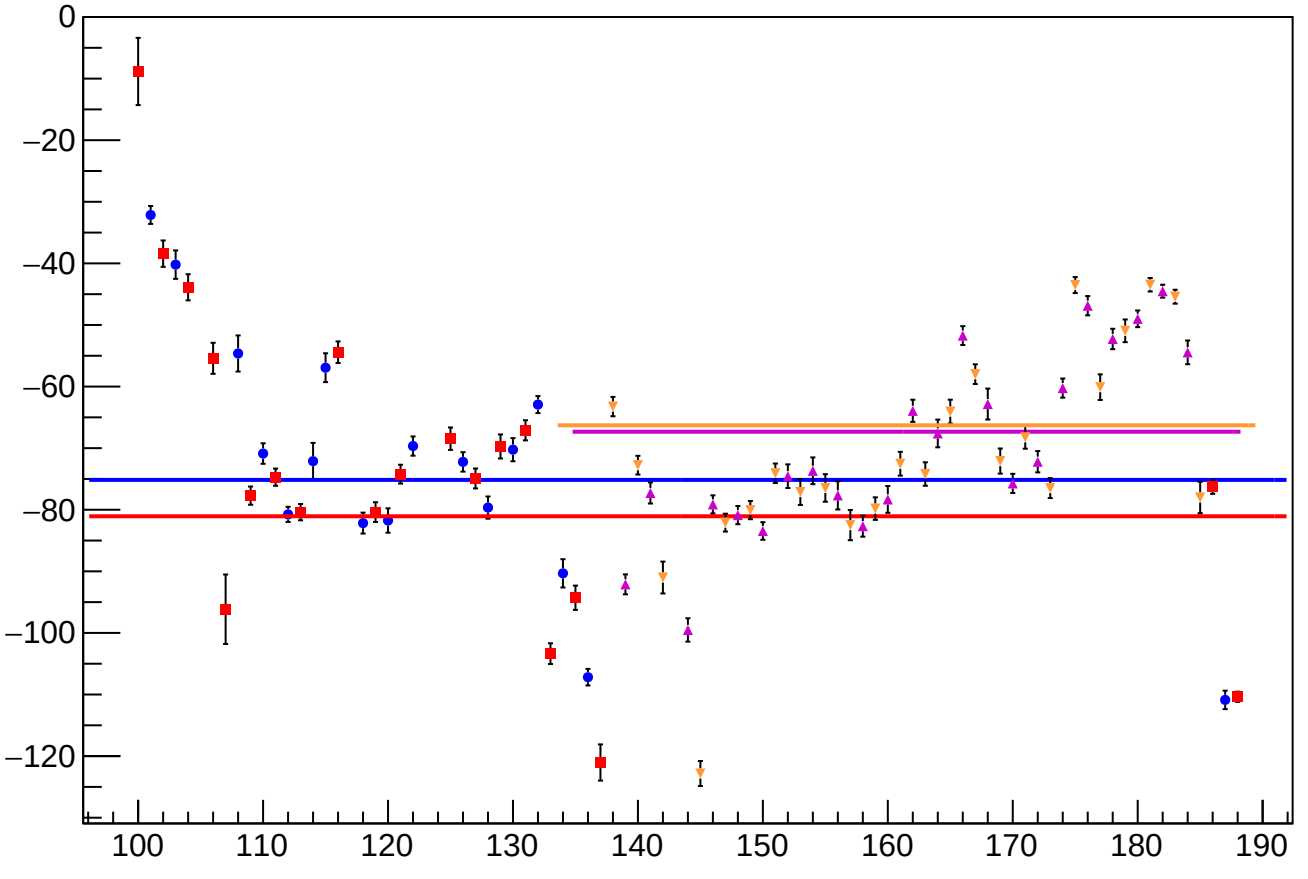
Left: 0.024+/-0.002 χ^2/NDF: 48.2/47

Right: 0.012+/-0.005 χ^2/NDF: 8792.6/37

In: 0.022+/-0.003 χ^2/NDF:40.8/39

Out: 0.023+/-0.003 χ^2/NDF:8805.0/45

All: 0.022+/-0.002 χ^2/NDF: 8845.9/85



Right In: -75.154+/-0.415 χ^2/NDF: 2554.3/16

Left Out: -66.289+/-0.344 χ^2/NDF:2550.4/23

Right Out: -81.060+/-0.362 χ^2/NDF: 3111.1/19

Left In: -67.331+/-0.345 χ^2/NDF:2102.6/22

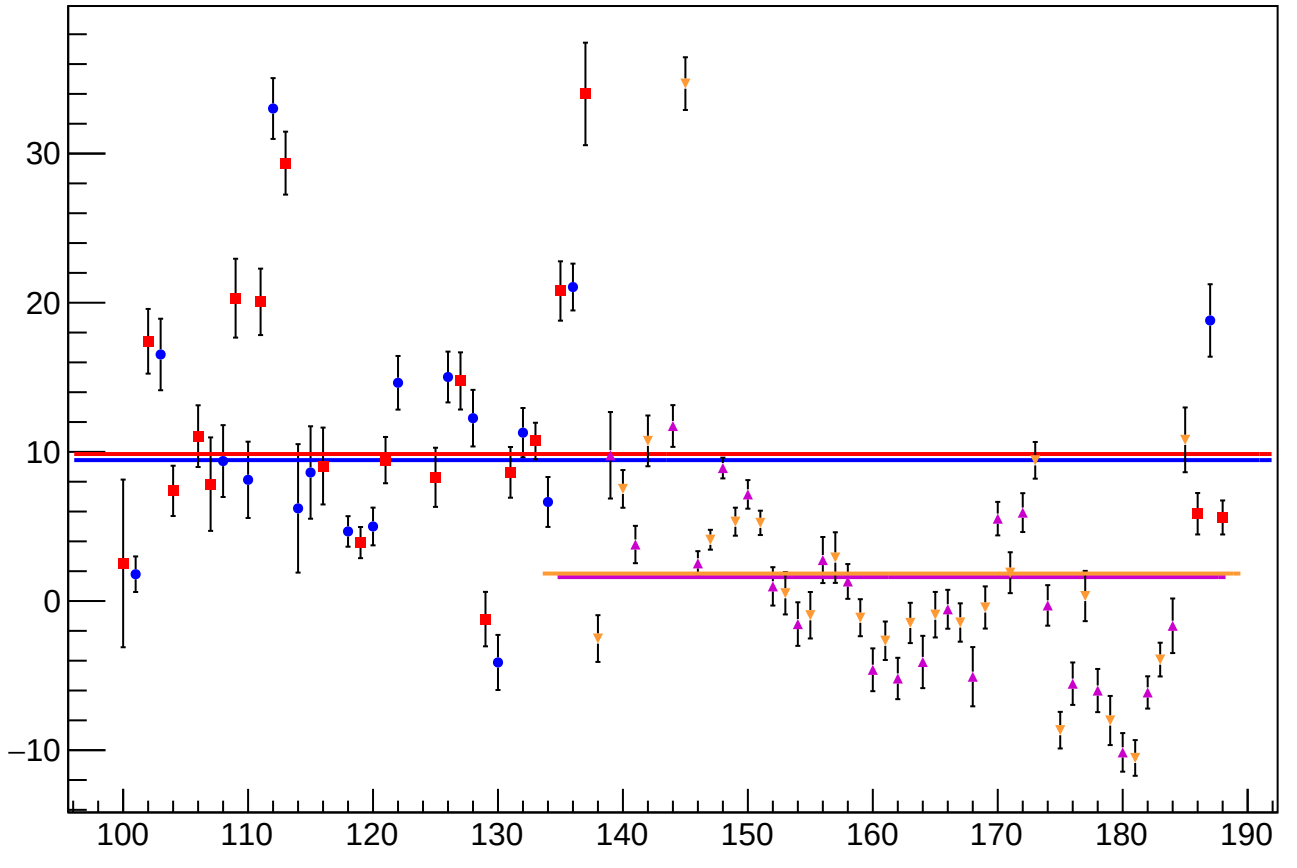
Left: -66.808+/-0.244 χ^2/NDF: 4657.6/46

Right: -78.511+/-0.273 χ^2/NDF: 5780.5/36

In: -70.530+/-0.265 χ^2/NDF:4867.0/39

Out: -73.302+/-0.249 χ^2/NDF:6537.8/43

All: -72.003+/-0.182 χ^2/NDF: 11462.9/83



Right In: 9.447+/-0.419 χ^2/NDF: 367.4/16

Left Out: 1.842+/-0.254 χ^2/NDF:781.5/23

Right Out: 9.856+/-0.394 χ^2/NDF: 318.0/19

Left In: 1.605+/-0.258 χ^2/NDF:496.6/22

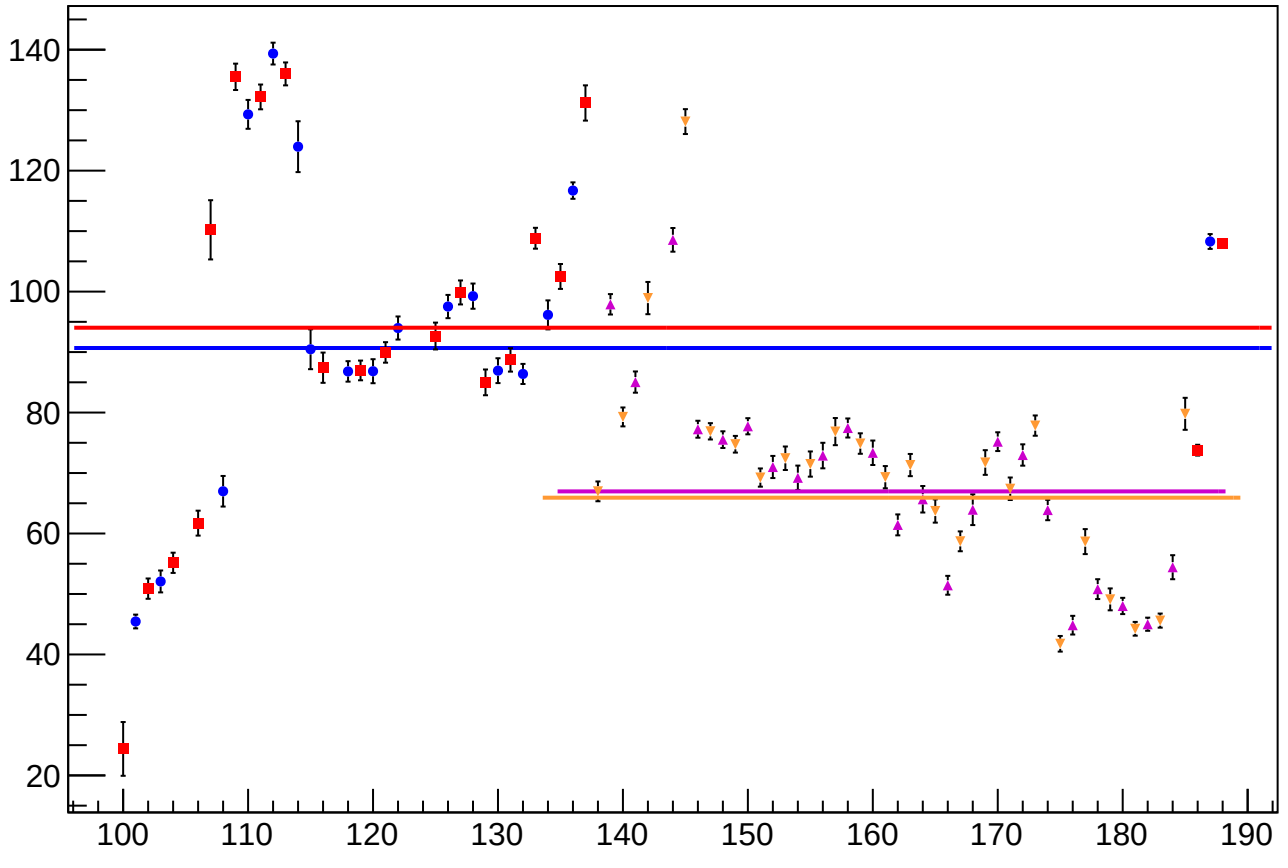
Left: 1.726+/-0.181 χ^2/NDF: 1278.5/46

Right: 9.664+/-0.287 χ^2/NDF: 685.9/36

In: 3.768+/-0.220 χ^2/NDF:1118.0/39

Out: 4.203+/-0.214 χ^2/NDF:1391.6/43

All: 3.992+/-0.153 χ^2/NDF: 2511.7/83



Right In: 90.673+/-0.438 χ^2/NDF: 3797.3/16

Left Out: 65.923+/-0.341 χ^2/NDF:2555.6/23

Right Out: 94.028+/-0.358 χ^2/NDF: 4169.1/19

Left In: 66.964+/-0.341 χ^2/NDF:2221.3/22

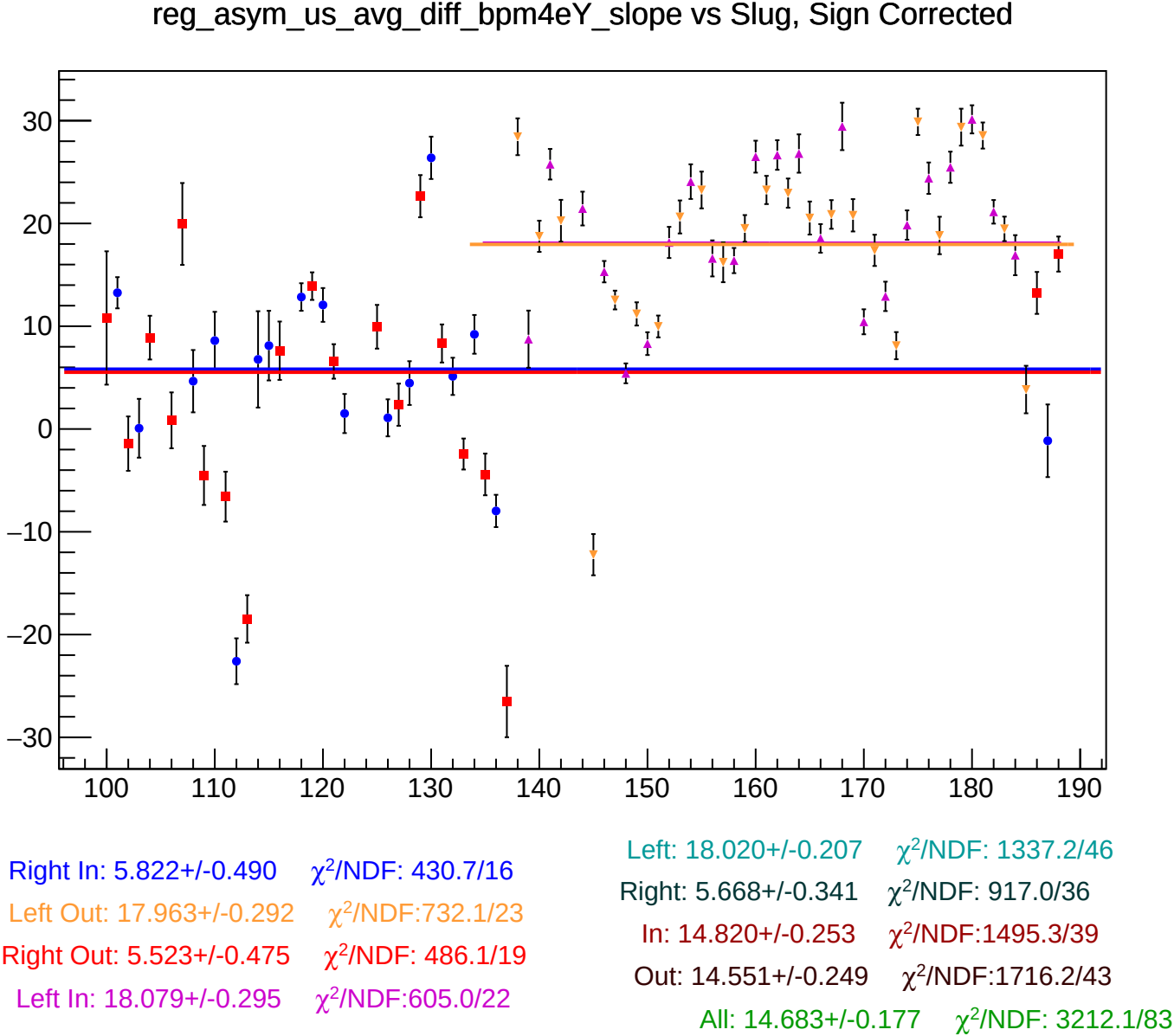
Left: 66.442+/-0.241 χ^2/NDF: 4781.6/46

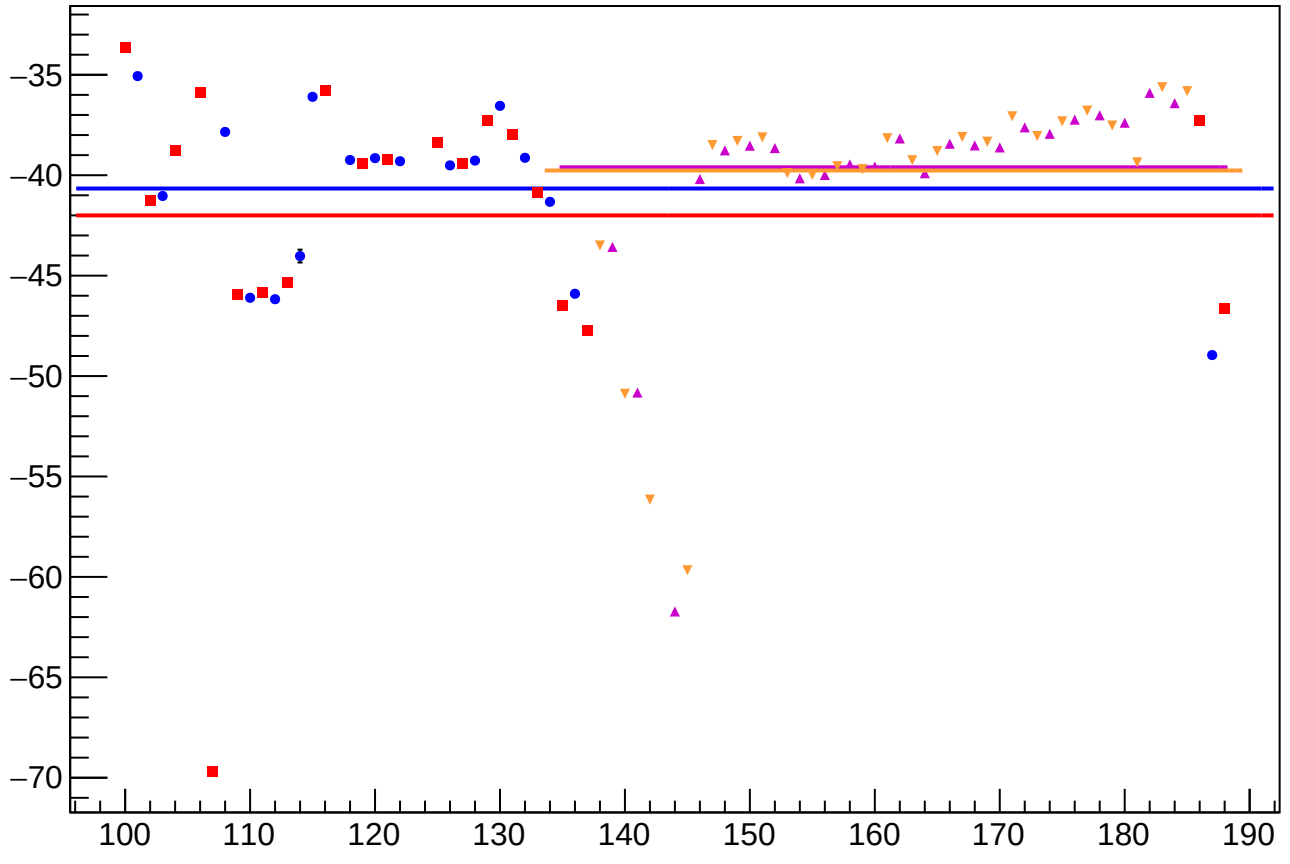
Right: 92.683+/-0.277 χ^2/NDF: 8001.5/36

In: 75.923+/-0.269 χ^2/NDF:7843.1/39

Out: 79.263+/-0.247 χ^2/NDF:9958.2/43

All: 77.737+/-0.182 χ^2/NDF: 17885.0/83


reg_asym_us_avg_diff_bpm4eY_slope vs Slug, Sign Corrected
30
20
10
0
−10
−20
−30
100
110
120
130
140
150
160
170
180
190
Right In: 5.822+/-0.490 χ²/NDF: 430.7/16
Left Out: 17.963+/-0.292 χ²/NDF:732.1/23
Right Out: 5.523+/-0.475 χ²/NDF: 486.1/19
Left In: 18.079+/-0.295 χ²/NDF:605.0/22
Left: 18.020+/-0.207 χ²/NDF: 1337.2/46
Right: 5.668+/-0.341 χ²/NDF: 917.0/36
In: 14.820+/-0.253 χ²/NDF:1495.3/39
Out: 14.551+/-0.249 χ²/NDF:1716.2/43
All: 14.683+/-0.177 χ²/NDF: 3212.1/83



Right In: -40.662+/-0.028 χ^2/NDF: 19933.7/16

Left Out: -39.765+/-0.013 χ^2/NDF:129895.4/23

Right Out: -42.001+/-0.027 χ^2/NDF: 40720.5/19

Left In: -39.606+/-0.013 χ^2/NDF:106639.2/22

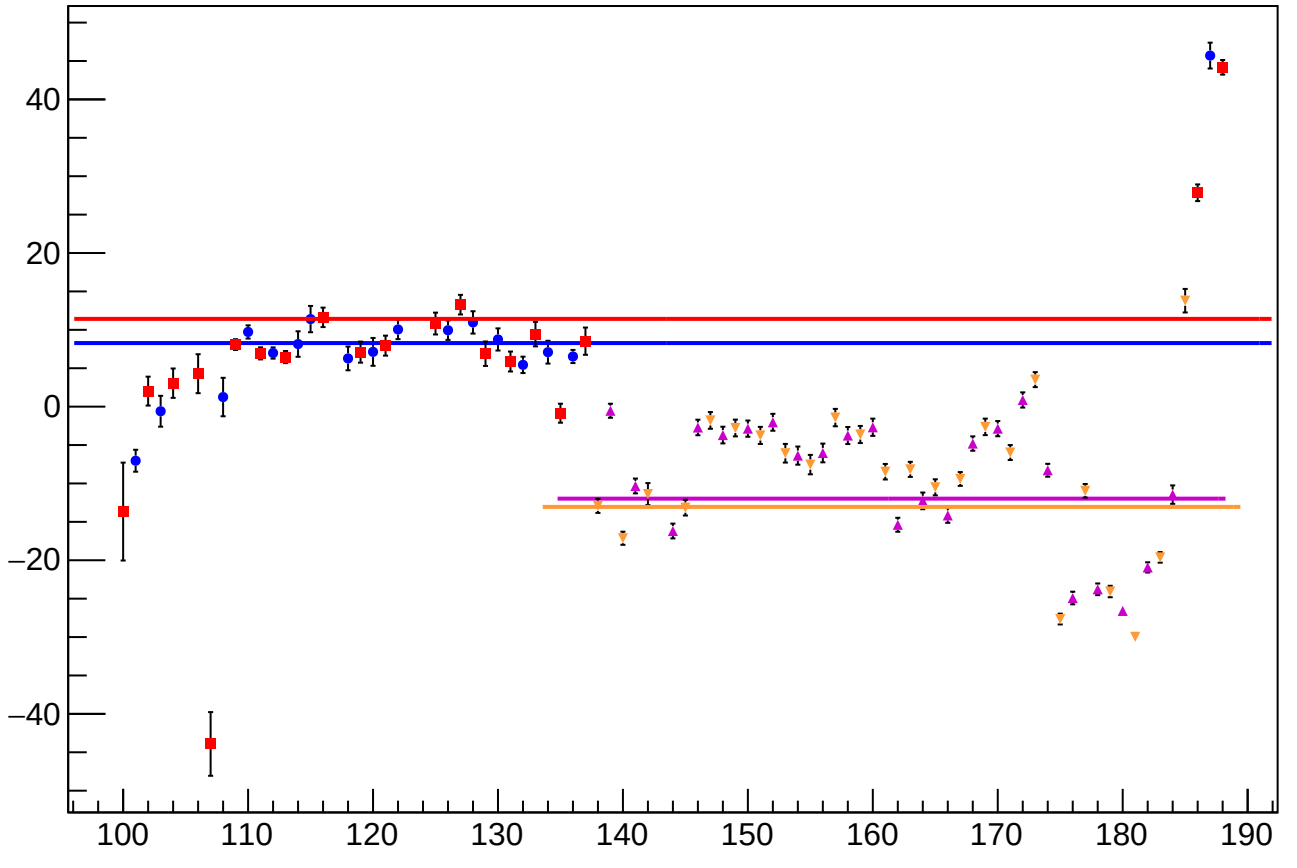
Left: -39.685+/-0.009 χ^2/NDF: 236604.6/46

Right: -41.350+/-0.020 χ^2/NDF: 61826.2/36

In: -39.802+/-0.012 χ^2/NDF:127728.8/39

Out: -40.203+/-0.012 χ^2/NDF:176015.9/43

All: -40.003+/-0.009 χ^2/NDF: 304297.1/83



Right In: 8.277+/-0.304 χ^2/NDF: 668.5/16

Left Out: -13.054+/-0.193 χ^2/NDF:2868.1/23

Right Out: 11.426+/-0.275 χ^2/NDF: 1904.9/19

Left In: -11.978+/-0.195 χ^2/NDF:2176.6/22

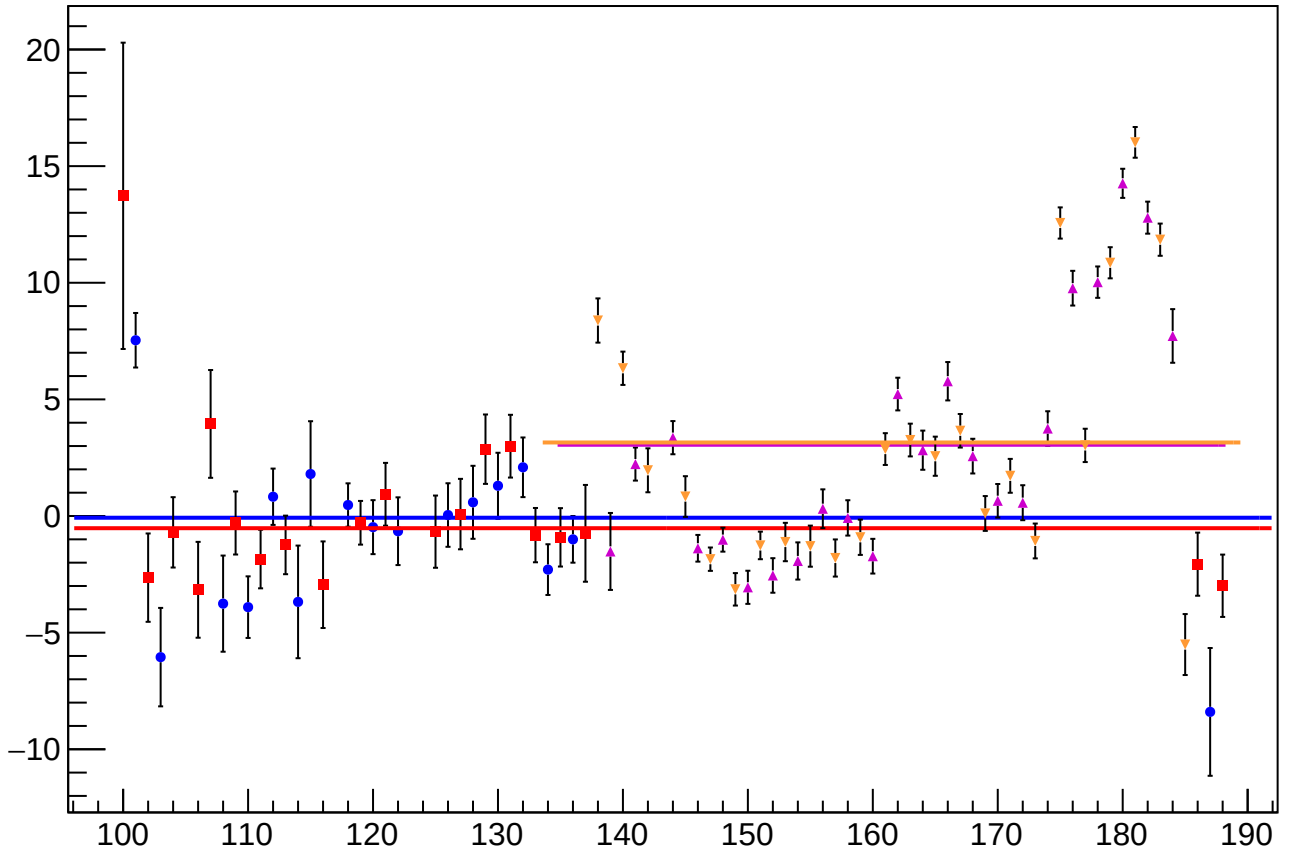
Left: -12.524+/-0.137 χ^2/NDF: 5060.1/46

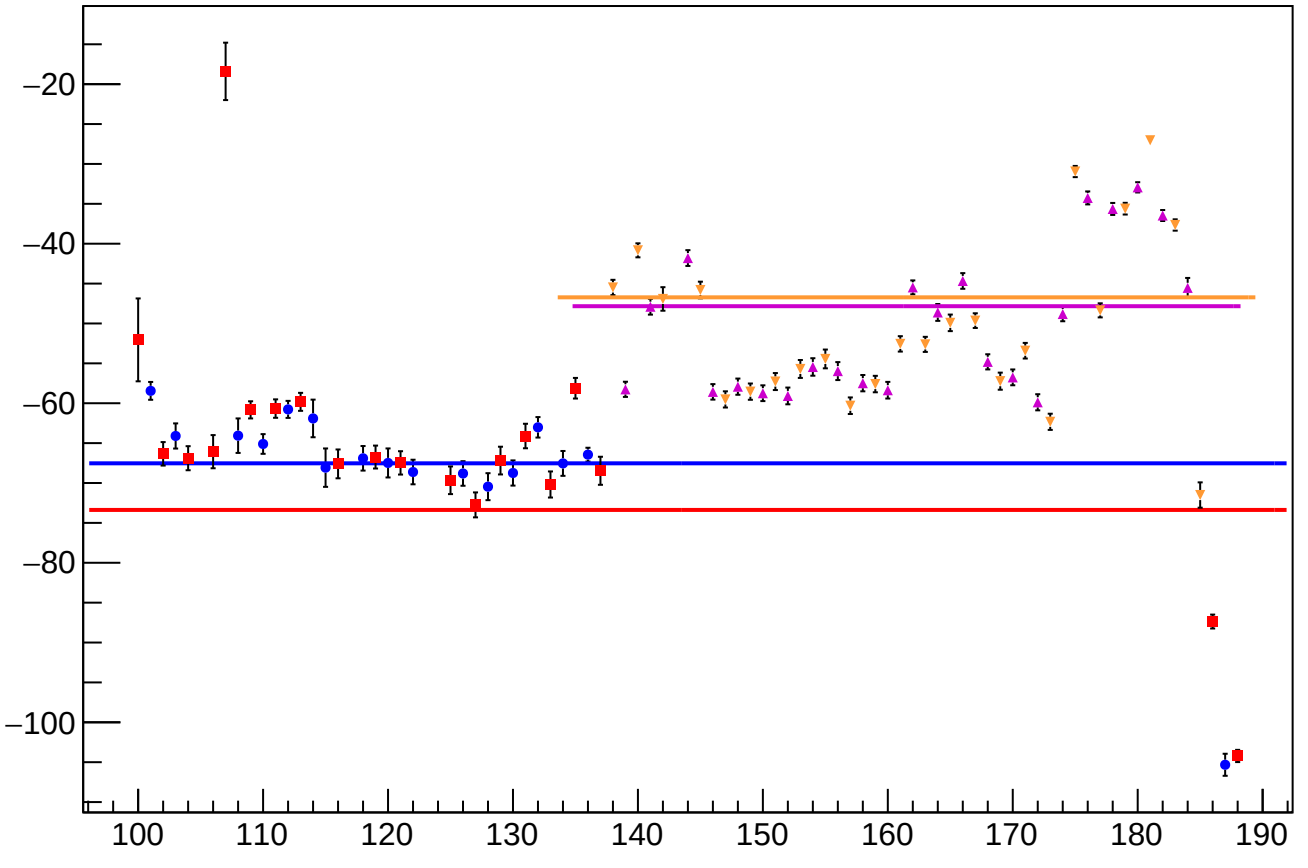
Right: 10.008+/-0.204 χ^2/NDF: 2632.2/36

In: -6.057+/-0.164 χ^2/NDF:5983.5/39

Out: -4.997+/-0.158 χ^2/NDF:10080.4/43

All: -5.506+/-0.114 χ^2/NDF: 16085.5/83


reg_asym_us_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
20
15
10
5
0
−5
−10
100
110
120
130
140
150
160
170
180
190
Right In: -0.074+/-0.329 χ²/NDF: 84.4/16
Left Out: 3.153+/-0.149 χ²/NDF:1385.1/23
Right Out: -0.523+/-0.324 χ²/NDF: 32.8/19
Left In: 3.055+/-0.152 χ²/NDF:1145.0/22
Left: 3.105+/-0.106 χ²/NDF: 2530.3/46
Right: -0.302+/-0.231 χ²/NDF: 118.1/36
In: 2.505+/-0.138 χ²/NDF:1303.9/39
Out: 2.510+/-0.135 χ²/NDF:1524.2/43
All: 2.507+/-0.097 χ²/NDF: 2828.1/83



Right In: -67.532+/-0.343 χ^2/NDF: 890.4/16

Left Out: -46.724+/-0.192 χ^2/NDF:3446.1/23

Right Out: -73.376+/-0.305 χ^2/NDF: 2836.7/19

Left In: -47.835+/-0.194 χ^2/NDF:2557.6/22

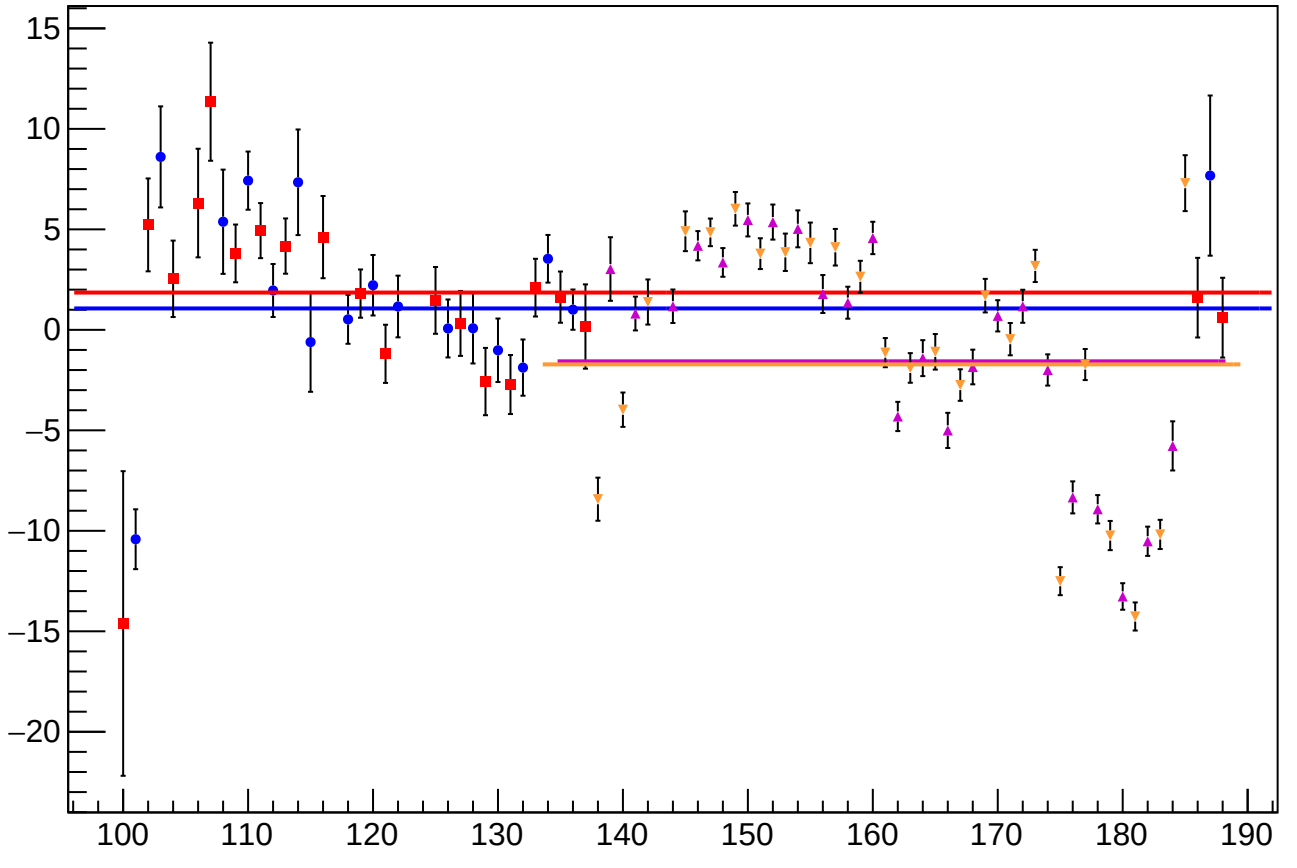
Left: -47.273+/-0.136 χ^2/NDF: 6020.3/46

Right: -70.791+/-0.228 χ^2/NDF: 3888.9/36

In: -52.605+/-0.169 χ^2/NDF:5948.3/39

Out: -54.246+/-0.162 χ^2/NDF:11747.0/43

All: -53.458+/-0.117 χ^2/NDF: 17744.5/83



Right In: 1.065+/-0.374 χ^2/NDF: 112.0/16

Left Out: -1.718+/-0.168 χ^2/NDF:1406.1/23

Right Out: 1.856+/-0.375 χ^2/NDF: 54.9/19

Left In: -1.567+/-0.171 χ^2/NDF:1117.7/22

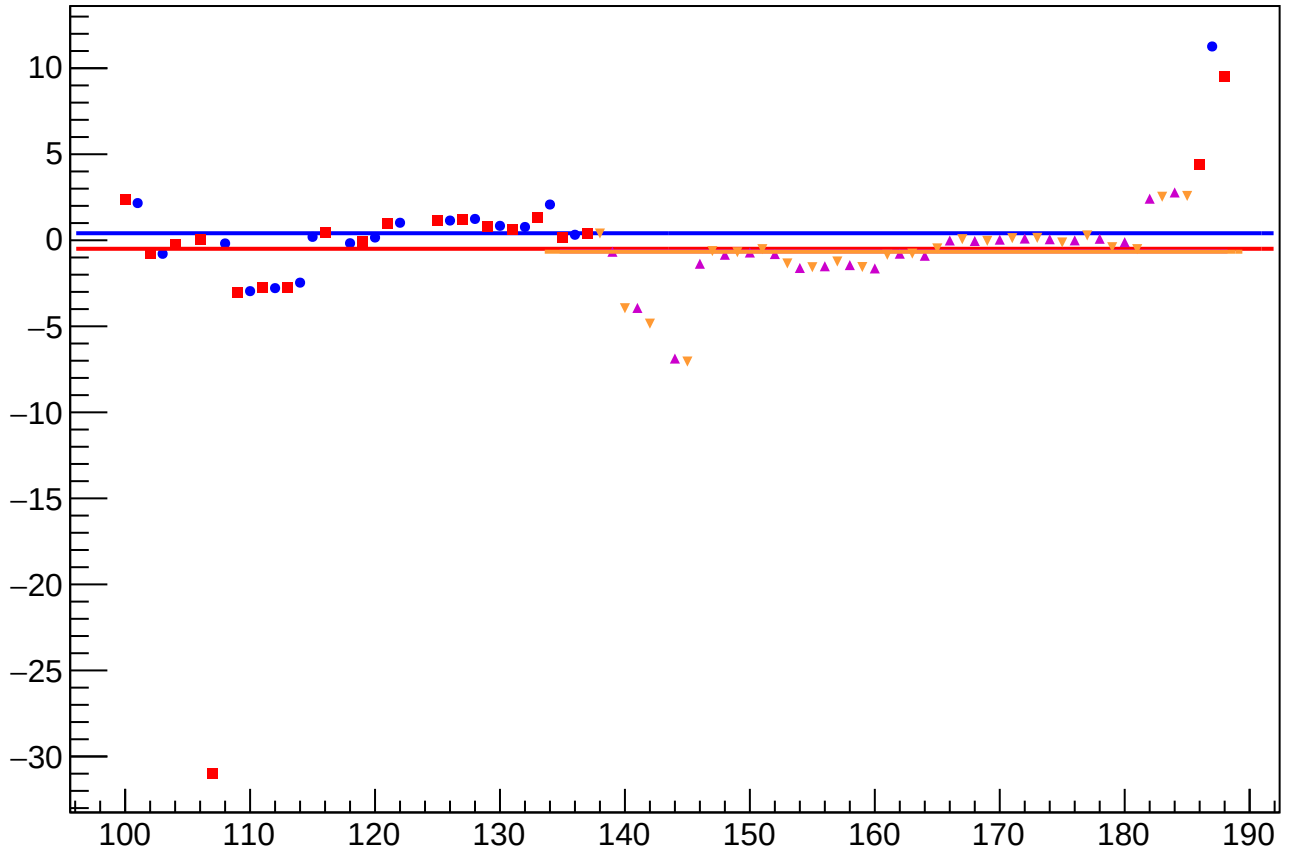
Left: -1.644+/-0.120 χ^2/NDF: 2524.2/46

Right: 1.459+/-0.265 χ^2/NDF: 169.2/36

In: -1.113+/-0.155 χ^2/NDF:1270.7/39

Out: -1.123+/-0.153 χ^2/NDF:1536.5/43

All: -1.118+/-0.109 χ^2/NDF: 2807.3/83



Right In: 0.409+/-0.021 χ^2/NDF: 7288.3/16

Left Out: -0.666+/-0.008 χ^2/NDF:55276.7/23

Right Out: -0.495+/-0.021 χ^2/NDF: 58641.1/19

Left In: -0.646+/-0.008 χ^2/NDF:45569.5/22

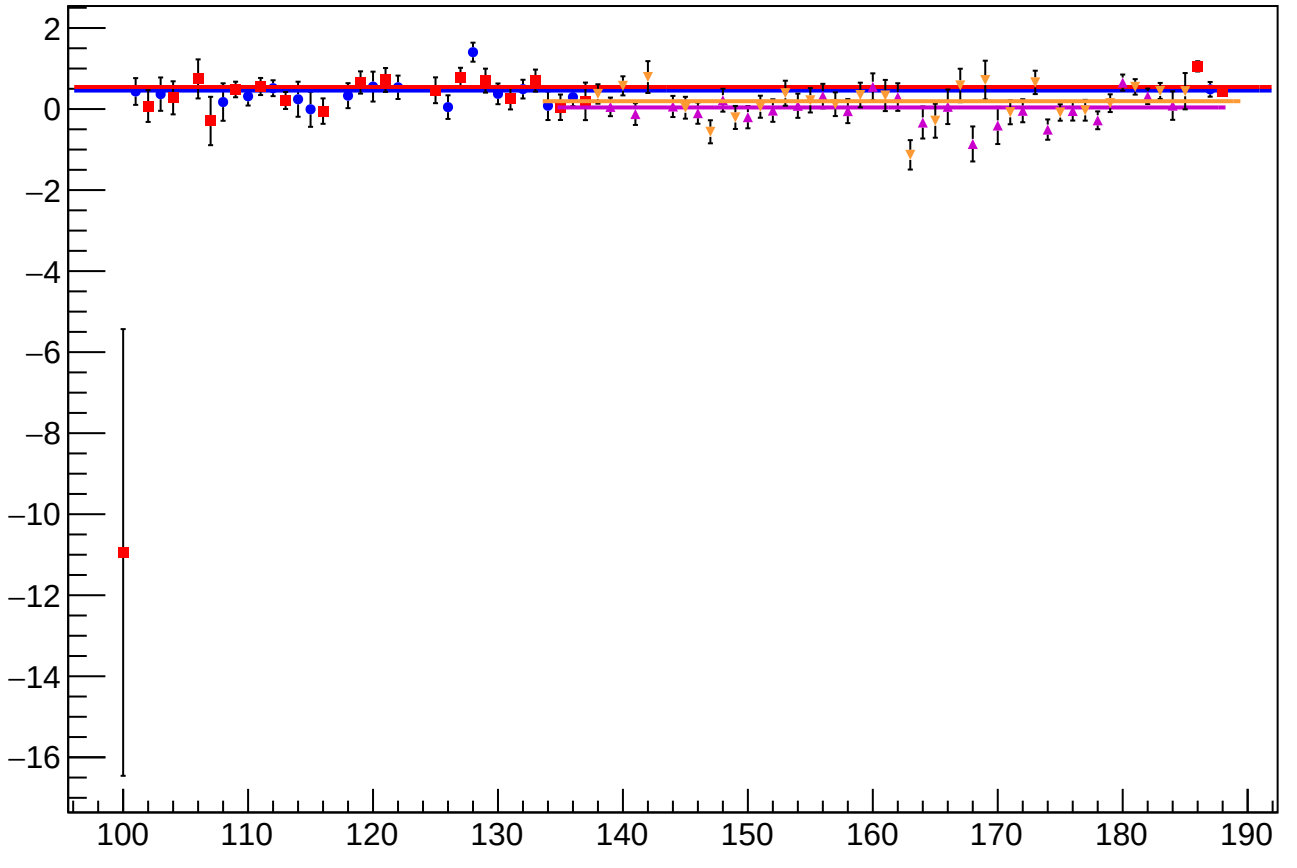
Left: -0.656+/-0.005 χ^2/NDF: 100849.5/46

Right: -0.033+/-0.015 χ^2/NDF: 66838.7/36

In: -0.525+/-0.007 χ^2/NDF:55100.5/39

Out: -0.647+/-0.007 χ^2/NDF:113974.5/43

All: -0.586+/-0.005 χ^2/NDF: 169222.4/83



Right In: 0.456+/-0.066 χ^2/NDF: 22.7/16

Left Out: 0.194+/-0.057 χ^2/NDF:44.2/23

Right Out: 0.544+/-0.053 χ^2/NDF: 38.2/19

Left In: 0.039+/-0.058 χ^2/NDF:30.5/22

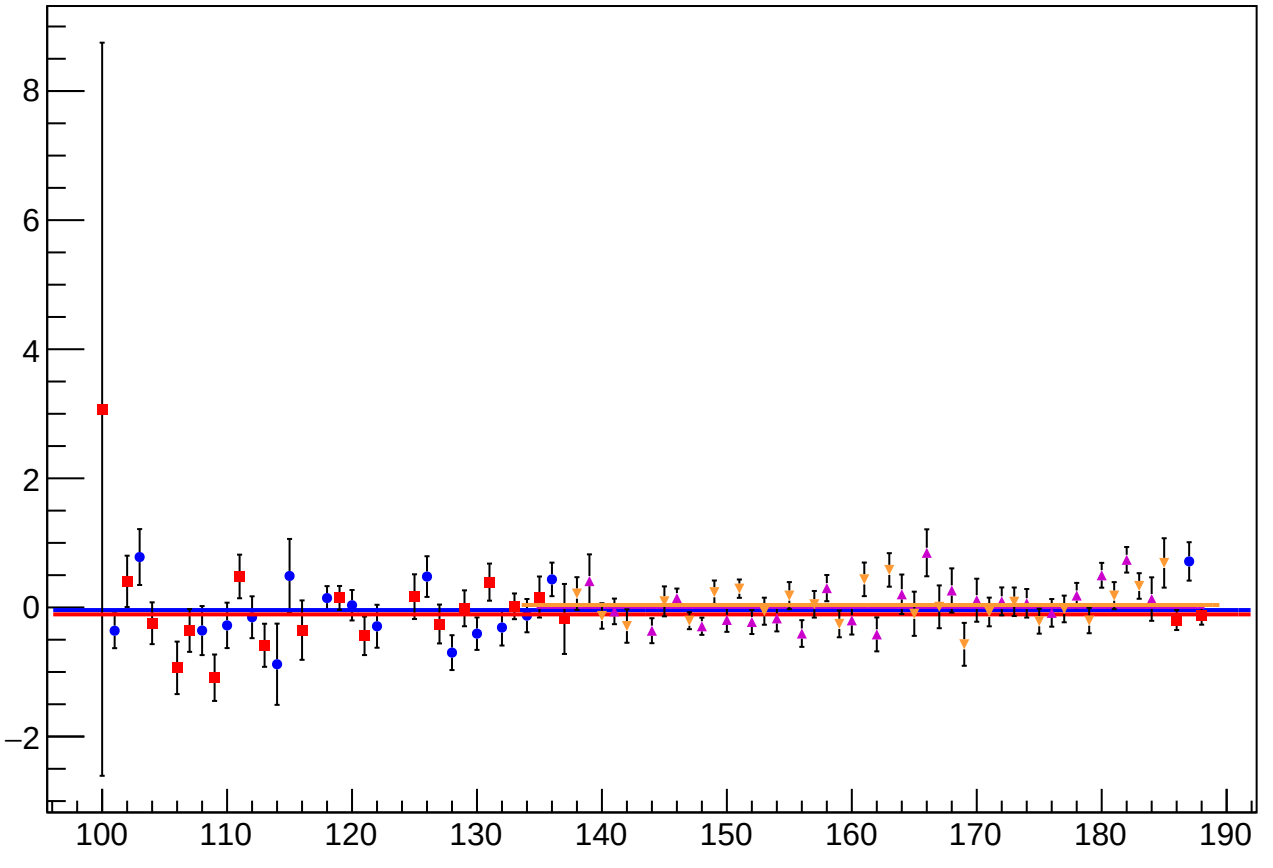
Left: 0.118+/-0.040 χ^2/NDF: 78.4/46

Right: 0.510+/-0.041 χ^2/NDF: 62.0/36

In: 0.219+/-0.043 χ^2/NDF:75.8/39

Out: 0.382+/-0.039 χ^2/NDF:102.9/43

All: 0.310+/-0.029 χ^2/NDF: 186.5/83



Right In: -0.041+/-0.071 χ^2/NDF: 32.2/16

Left Out: 0.038+/-0.043 χ^2/NDF:32.8/23

Right Out: -0.108+/-0.061 χ^2/NDF: 28.3/19

Left In: 0.008+/-0.044 χ^2/NDF:51.4/22

Left: 0.023+/-0.031 χ^2/NDF: 84.4/46

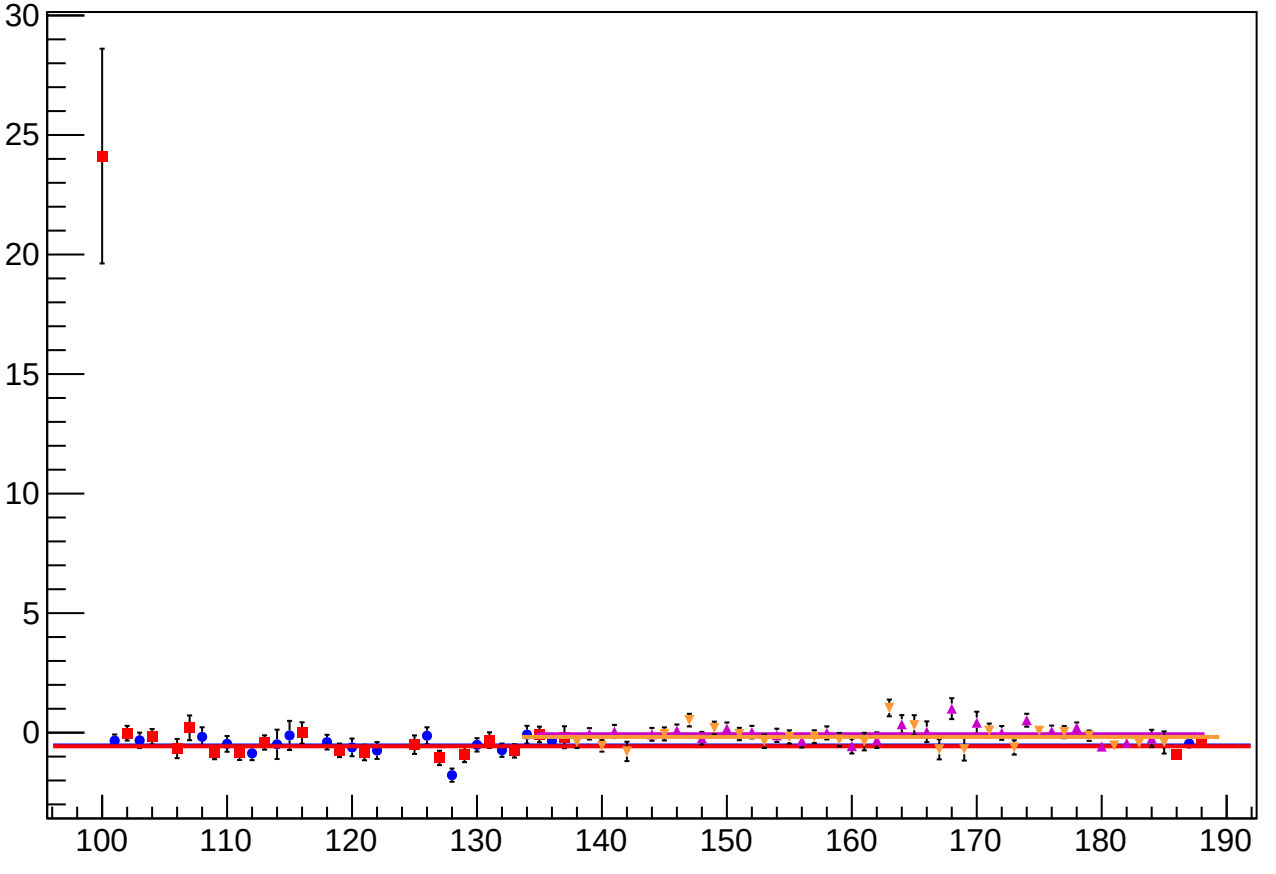
Right: -0.079+/-0.046 χ^2/NDF: 61.0/36

In: -0.005+/-0.038 χ^2/NDF:83.9/39

Out: -0.011+/-0.035 χ^2/NDF:64.9/43

All: -0.008+/-0.026 χ^2/NDF: 148.8/83

reg_asym_ds_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -0.536+/-0.070 χ^2/NDF: 28.7/16

Left Out: -0.178+/-0.056 χ^2/NDF:42.1/23

Right Out: -0.570+/-0.050 χ^2/NDF: 64.4/19

Left In: -0.066+/-0.057 χ^2/NDF:31.4/22

Left: -0.123+/-0.040 χ^2/NDF: 75.5/46

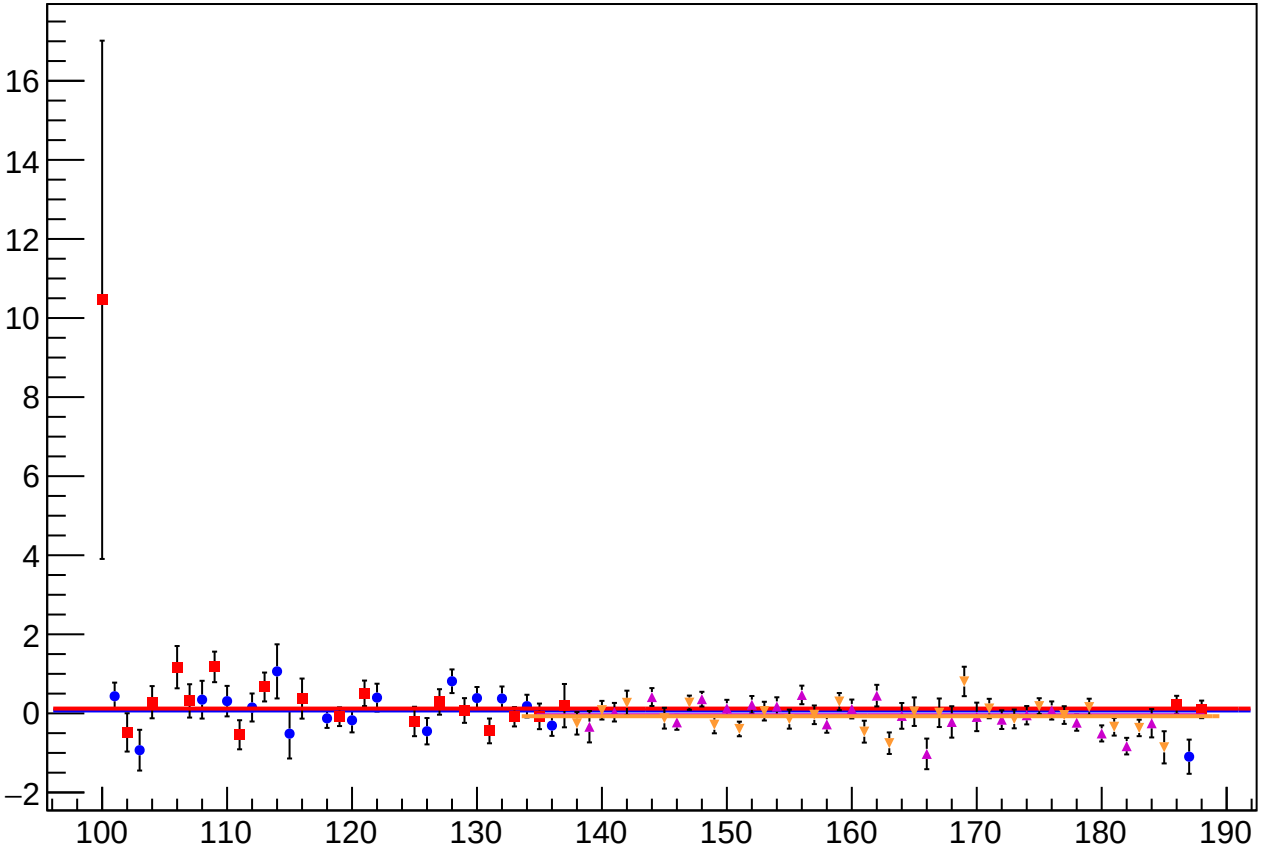
Right: -0.559+/-0.041 χ^2/NDF: 93.2/36

In: -0.252+/-0.044 χ^2/NDF:87.1/39

Out: -0.396+/-0.038 χ^2/NDF:133.5/43

All: -0.336+/-0.029 χ^2/NDF: 226.7/83

reg_asym_ds_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.074+/-0.082 χ^2/NDF: 31.2/16

Left Out: -0.072+/-0.049 χ^2/NDF:37.7/23

Right Out: 0.121+/-0.075 χ^2/NDF: 29.2/19

Left In: -0.047+/-0.050 χ^2/NDF:50.5/22

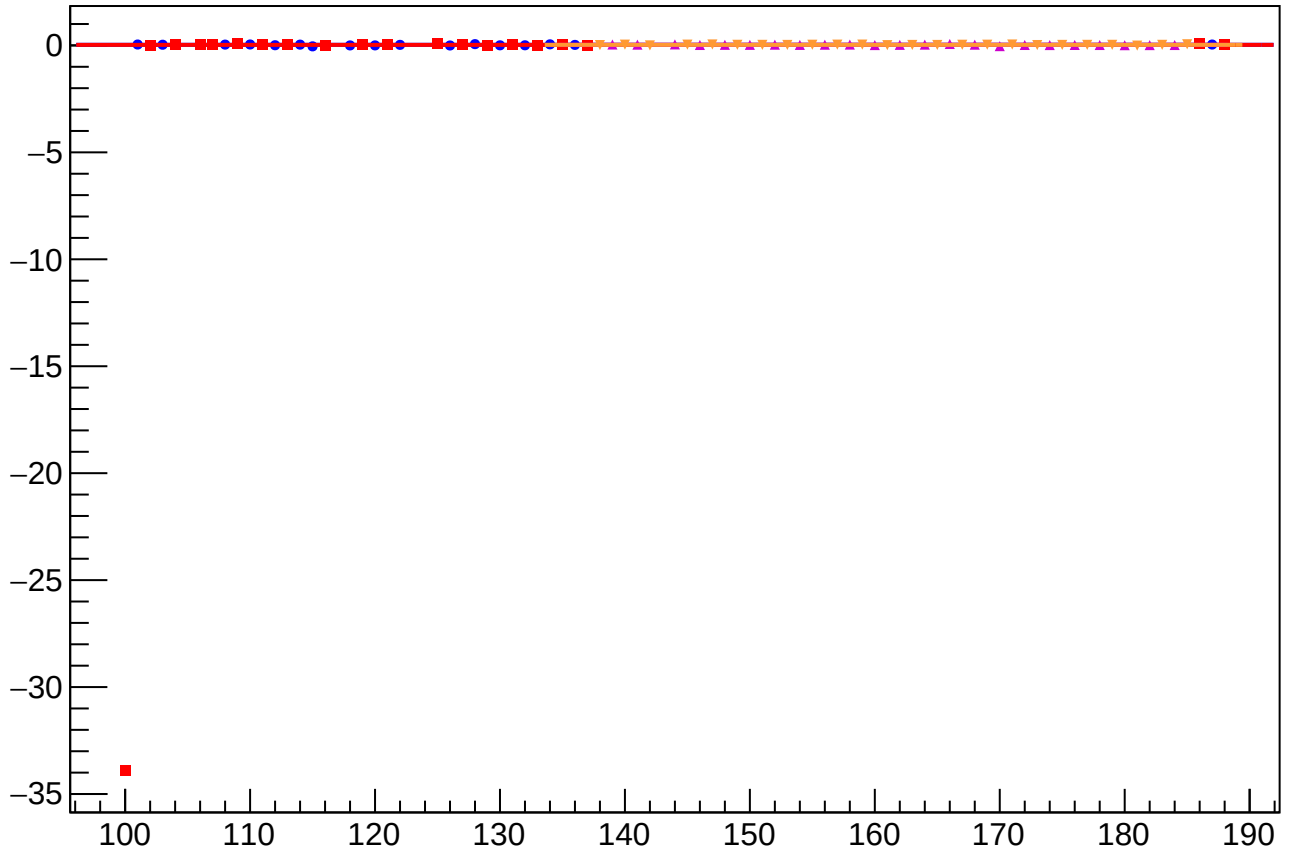
Left: -0.060+/-0.035 χ^2/NDF: 88.3/46

Right: 0.100+/-0.055 χ^2/NDF: 60.6/36

In: -0.014+/-0.043 χ^2/NDF:83.3/39

Out: -0.013+/-0.041 χ^2/NDF:71.5/43

All: -0.014+/-0.030 χ^2/NDF: 154.8/83



Right In: 0.028+/-0.005 χ^2/NDF: 15.0/16

Left Out: 0.026+/-0.002 χ^2/NDF:31.4/23

Right Out: 0.025+/-0.004 χ^2/NDF: 22302.7/19

Left In: 0.026+/-0.002 χ^2/NDF:39.5/22

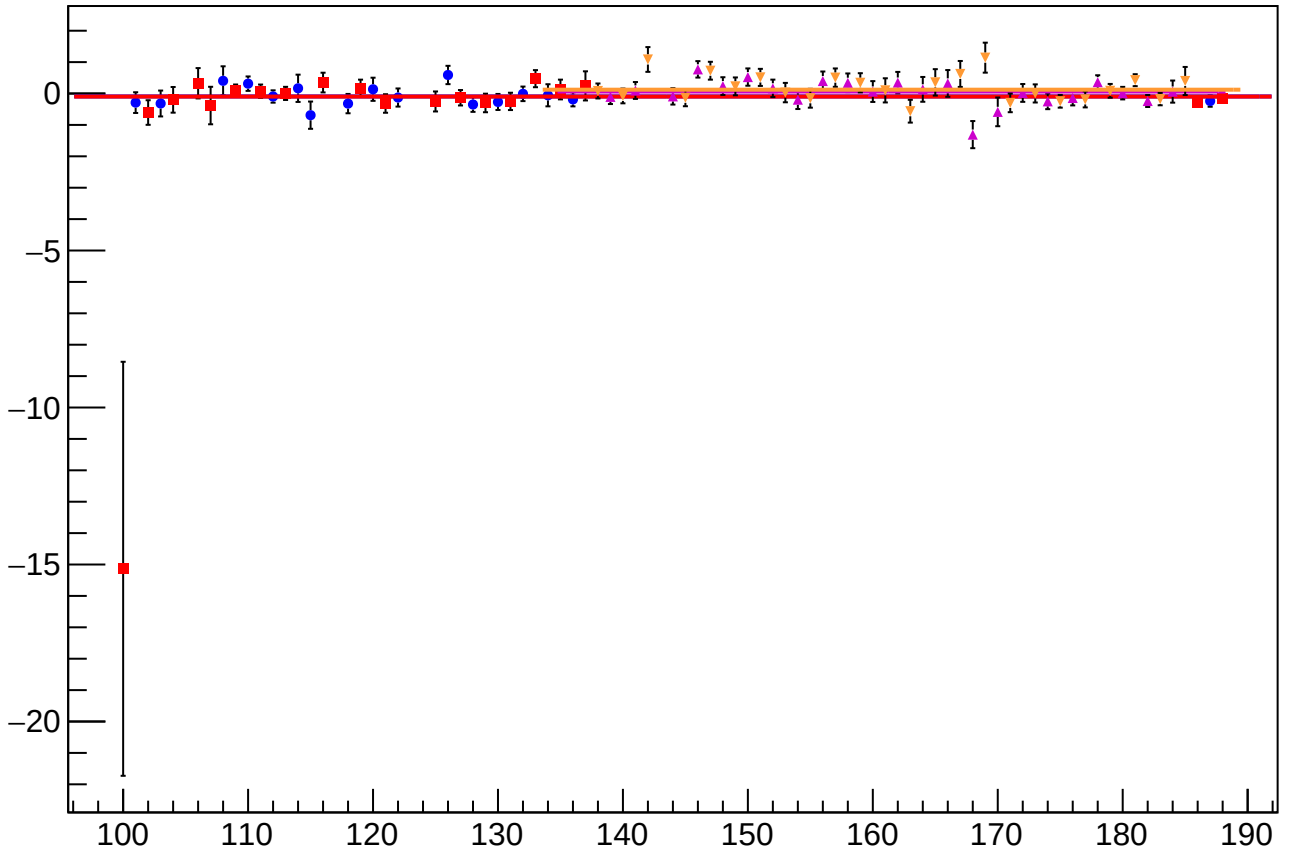
Left: 0.026+/-0.002 χ^2/NDF: 70.9/46

Right: 0.026+/-0.003 χ^2/NDF: 22317.9/36

In: 0.027+/-0.002 χ^2/NDF:54.5/39

Out: 0.026+/-0.002 χ^2/NDF:22334.2/43

All: 0.026+/-0.001 χ^2/NDF: 22388.8/83



Right In: -0.093+/-0.066 χ^2/NDF: 16.3/16

Left Out: 0.122+/-0.057 χ^2/NDF:39.6/23

Right Out: -0.097+/-0.053 χ^2/NDF: 22.7/19

Left In: 0.063+/-0.058 χ^2/NDF:34.2/22

Left: 0.093+/-0.040 χ^2/NDF: 74.4/46

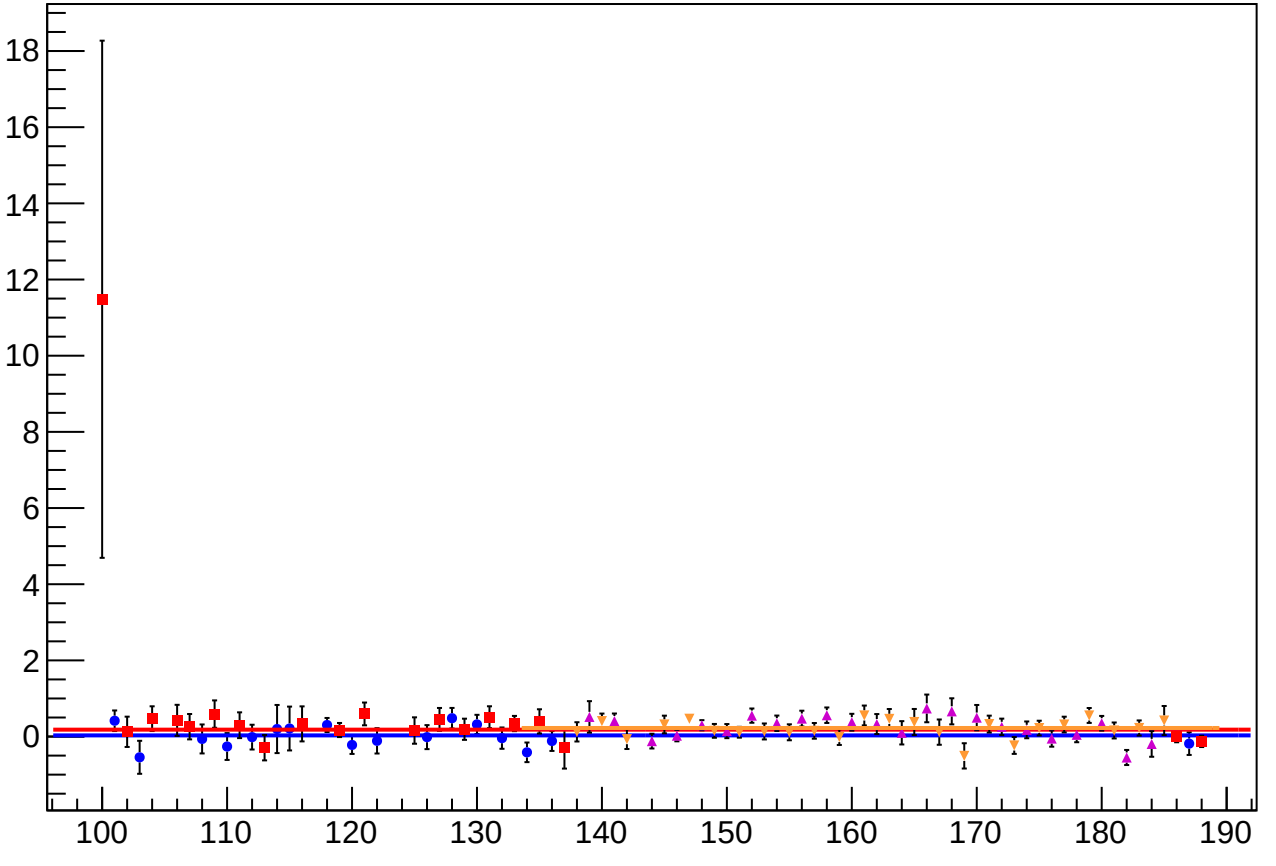
Right: -0.095+/-0.041 χ^2/NDF: 39.0/36

In: -0.004+/-0.043 χ^2/NDF:53.7/39

Out: 0.004+/-0.039 χ^2/NDF:70.3/43

All: 0.001+/-0.029 χ^2/NDF: 124.0/83

reg_asym_ds_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.030+/-0.071 χ^2/NDF: 16.3/16

Left Out: 0.225+/-0.043 χ^2/NDF:24.1/23

Right Out: 0.181+/-0.061 χ^2/NDF: 19.0/19

Left In: 0.221+/-0.044 χ^2/NDF:39.3/22

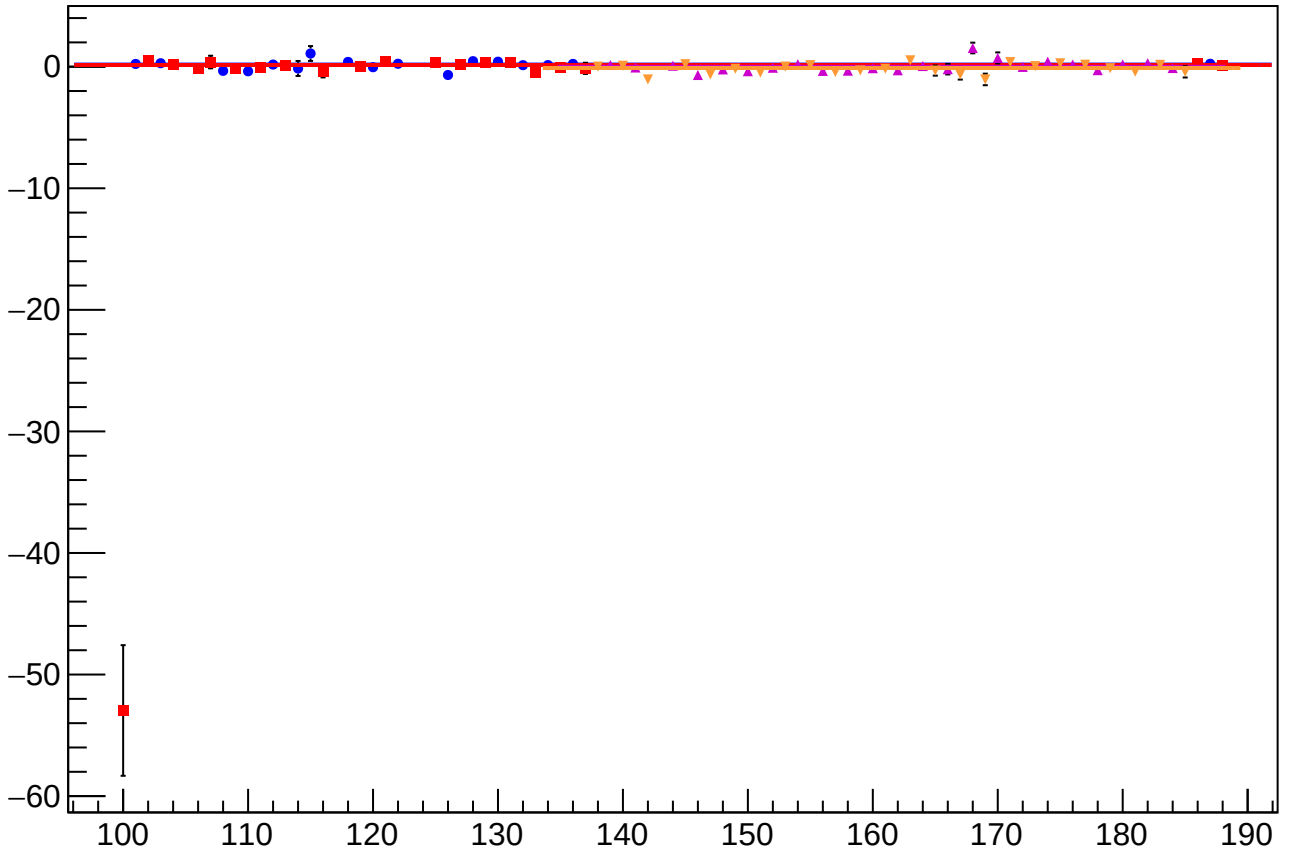
Left: 0.223+/-0.031 χ^2/NDF: 63.4/46

Right: 0.117+/-0.046 χ^2/NDF: 37.9/36

In: 0.168+/-0.038 χ^2/NDF:60.8/39

Out: 0.210+/-0.035 χ^2/NDF:43.5/43

All: 0.190+/-0.026 χ^2/NDF: 105.0/83



Right In: 0.173+/-0.070 χ^2/NDF: 15.9/16

Left Out: -0.105+/-0.056 χ^2/NDF:37.6/23

Right Out: 0.141+/-0.050 χ^2/NDF: 111.6/19

Left In: -0.009+/-0.057 χ^2/NDF:38.0/22

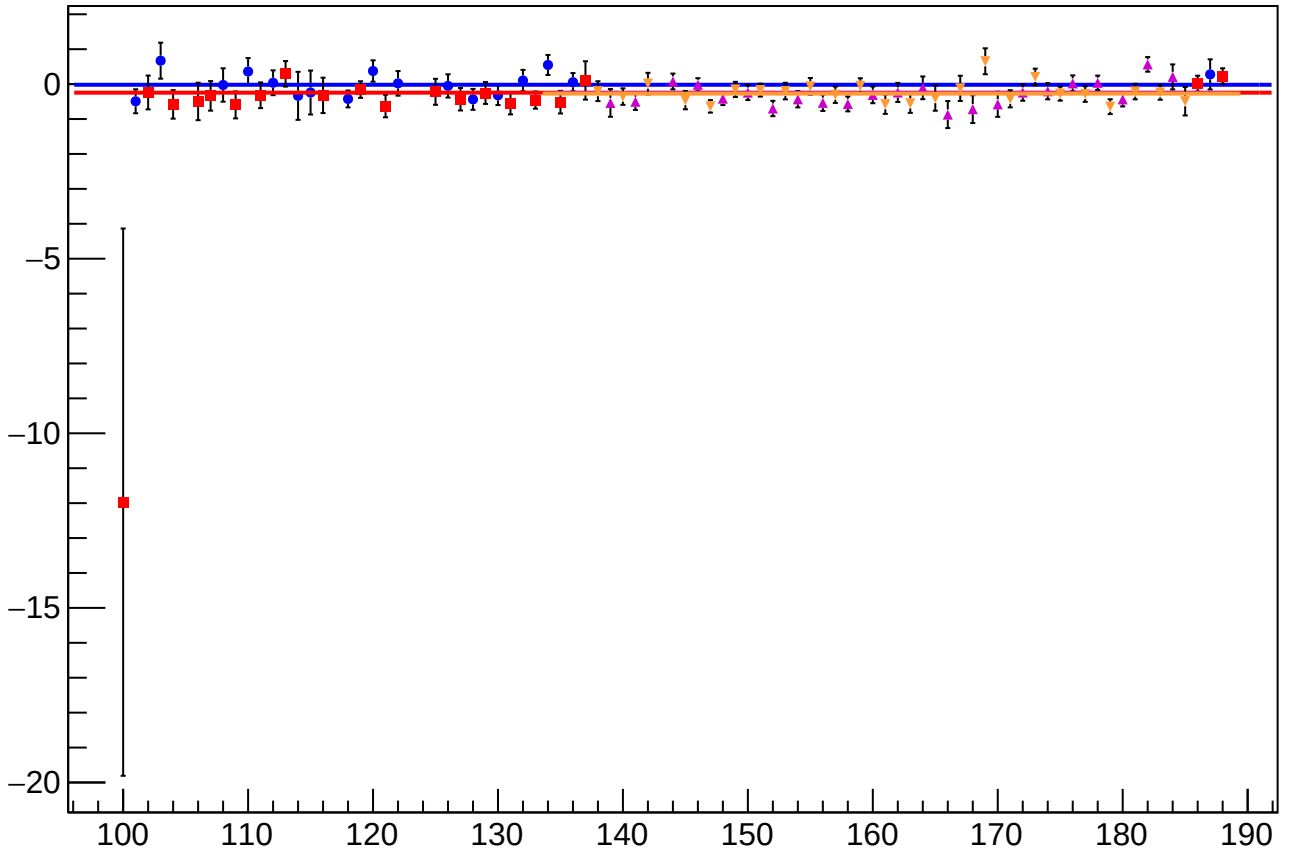
Left: -0.058+/-0.040 χ^2/NDF: 77.0/46

Right: 0.152+/-0.041 χ^2/NDF: 127.6/36

In: 0.063+/-0.044 χ^2/NDF:57.9/39

Out: 0.031+/-0.038 χ^2/NDF:159.8/43

All: 0.045+/-0.029 χ^2/NDF: 218.0/83



Right In: -0.019+/-0.082 χ^2/NDF: 17.3/16

Left Out: -0.272+/-0.049 χ^2/NDF:24.8/23

Right Out: -0.245+/-0.075 χ^2/NDF: 16.8/19

Left In: -0.254+/-0.050 χ^2/NDF:40.6/22

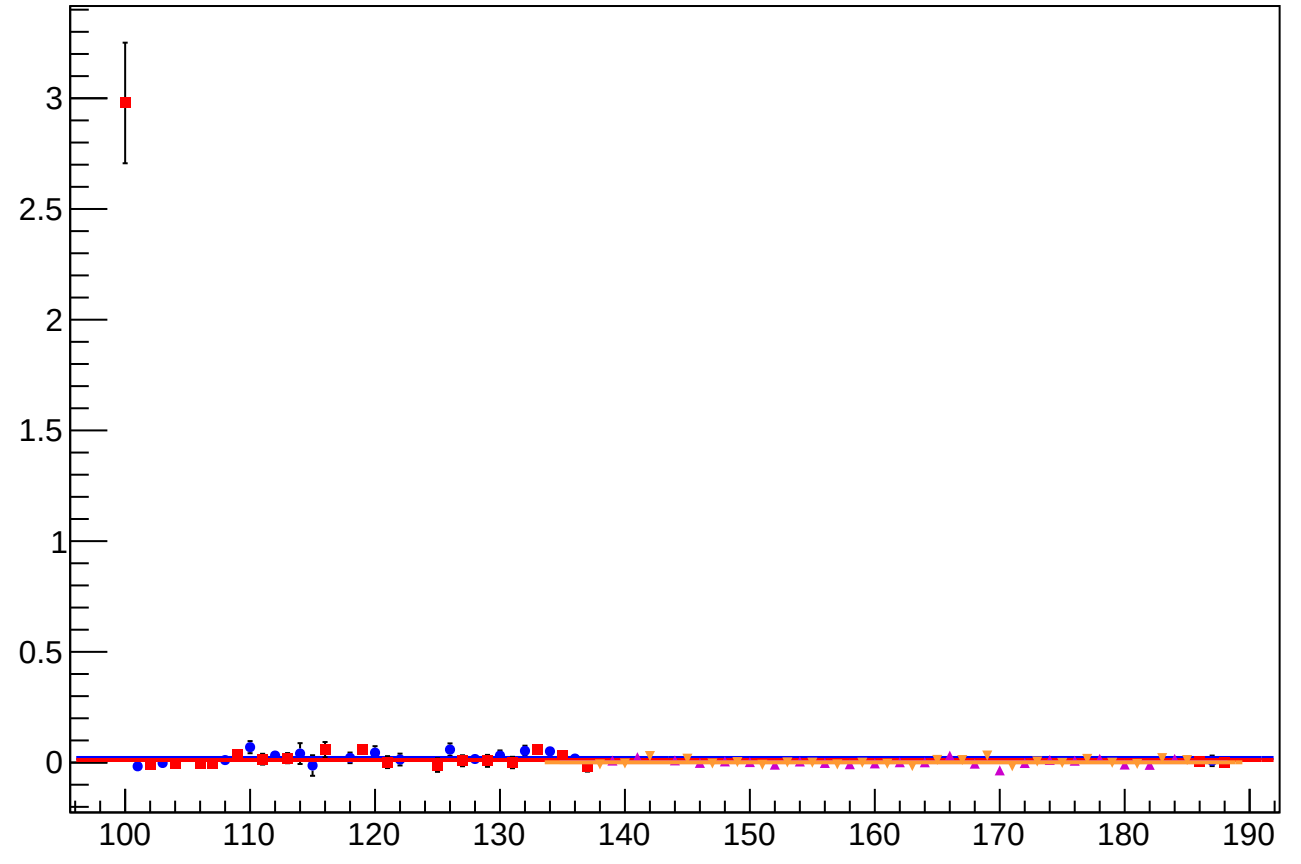
Left: -0.263+/-0.035 χ^2/NDF: 65.5/46

Right: -0.143+/-0.055 χ^2/NDF: 38.2/36

In: -0.190+/-0.043 χ^2/NDF:63.8/39

Out: -0.264+/-0.041 χ^2/NDF:41.8/43

All: -0.228+/-0.030 χ^2/NDF: 107.1/83



Right In: 0.021+/-0.005 χ^2/NDF: 22.8/16

Left Out: 0.001+/-0.002 χ^2/NDF:26.7/23

Right Out: 0.012+/-0.004 χ^2/NDF: 142.1/19

Left In: 0.002+/-0.002 χ^2/NDF:24.6/22

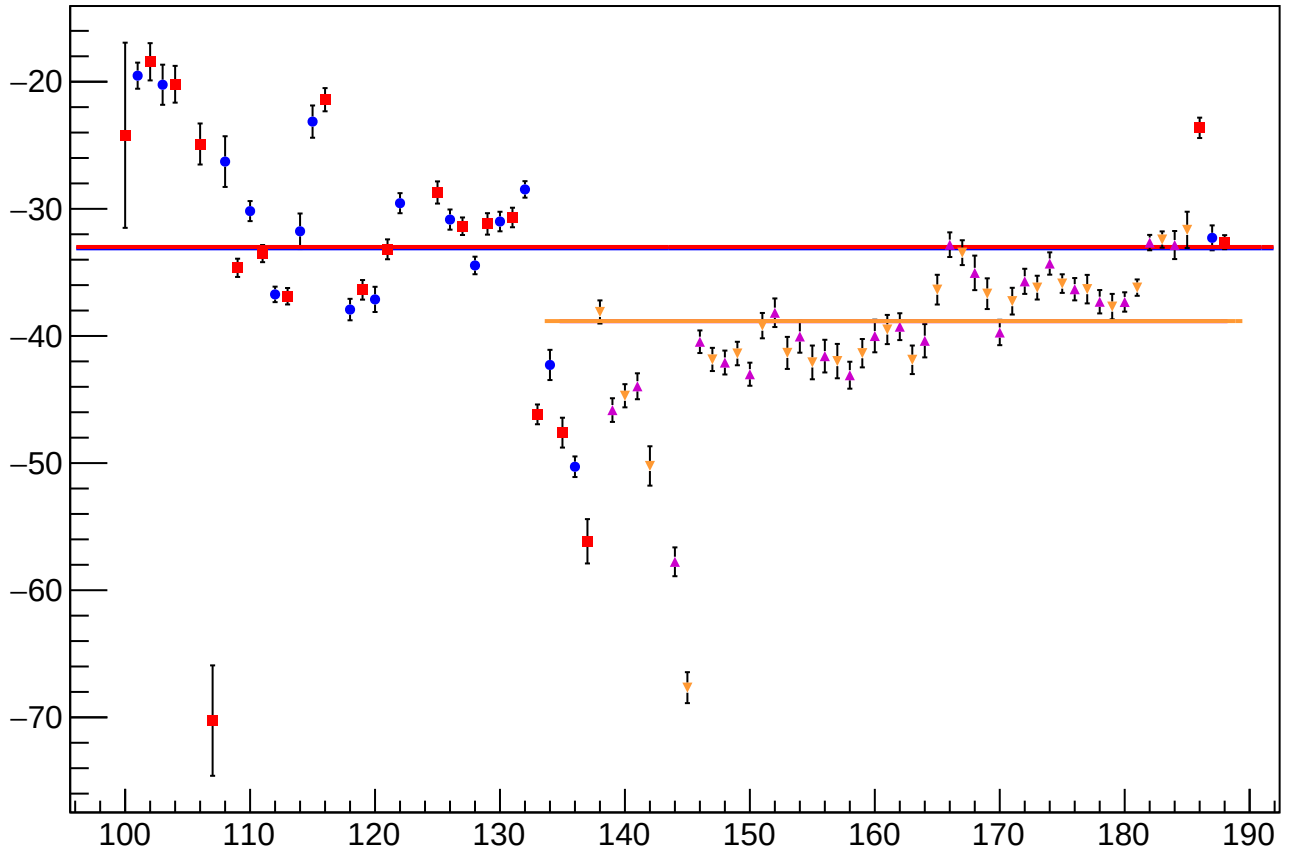
Left: 0.002+/-0.002 χ^2/NDF: 51.5/46

Right: 0.016+/-0.003 χ^2/NDF: 167.0/36

In: 0.006+/-0.002 χ^2/NDF:59.9/39

Out: 0.003+/-0.002 χ^2/NDF:173.4/43

All: 0.004+/-0.001 χ^2/NDF: 233.9/83



Right In: -33.107+/-0.213 χ^2/NDF: 1014.7/16

Left Out: -38.829+/-0.202 χ^2/NDF:917.0/23

Right Out: -32.999+/-0.194 χ^2/NDF: 1297.1/19

Left In: -38.837+/-0.203 χ^2/NDF:653.4/22

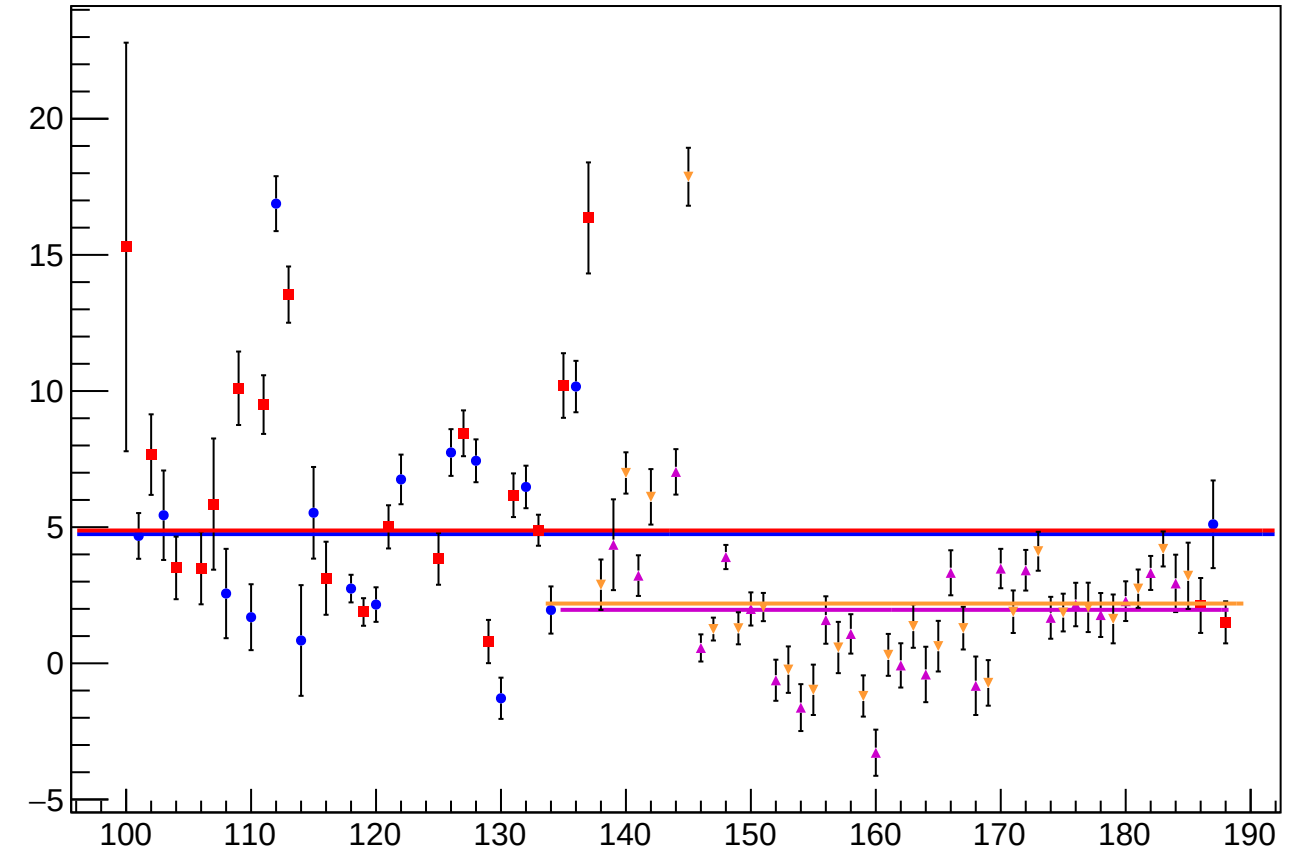
Left: -38.833+/-0.143 χ^2/NDF: 1570.4/46

Right: -33.048+/-0.143 χ^2/NDF: 2311.9/36

In: -36.101+/-0.147 χ^2/NDF:2047.0/39

Out: -35.798+/-0.140 χ^2/NDF:2646.9/43

All: -35.942+/-0.101 χ^2/NDF: 4696.2/83



Right In: 4.745+/-0.217 χ^2/NDF: 329.6/16

Left Out: 2.195+/-0.152 χ^2/NDF:365.1/23

Right Out: 4.878+/-0.210 χ^2/NDF: 275.0/19

Left In: 1.964+/-0.155 χ^2/NDF:173.2/22

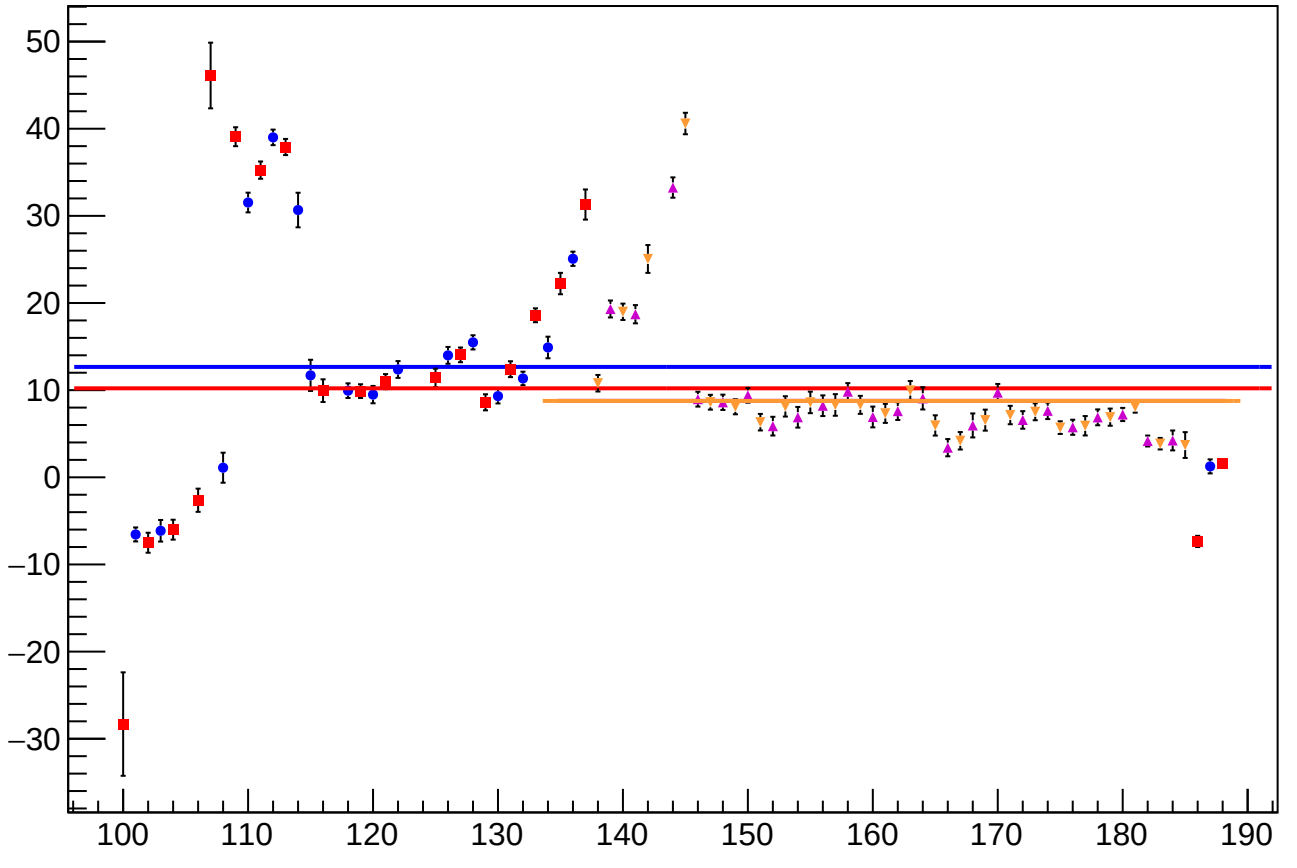
Left: 2.081+/-0.109 χ^2/NDF: 539.4/46

Right: 4.814+/-0.151 χ^2/NDF: 604.9/36

In: 2.900+/-0.126 χ^2/NDF:611.6/39

Out: 3.120+/-0.123 χ^2/NDF:747.2/43

All: 3.012+/-0.088 χ^2/NDF: 1360.4/83



Right In: 12.667+/-0.236 χ^2/NDF: 2569.5/16

Left Out: 8.766+/-0.200 χ^2/NDF:1035.4/23

Right Out: 10.211+/-0.206 χ^2/NDF: 4415.9/19

Left In: 8.773+/-0.201 χ^2/NDF:795.1/22

Left: 8.769+/-0.142 χ^2/NDF: 1830.5/46

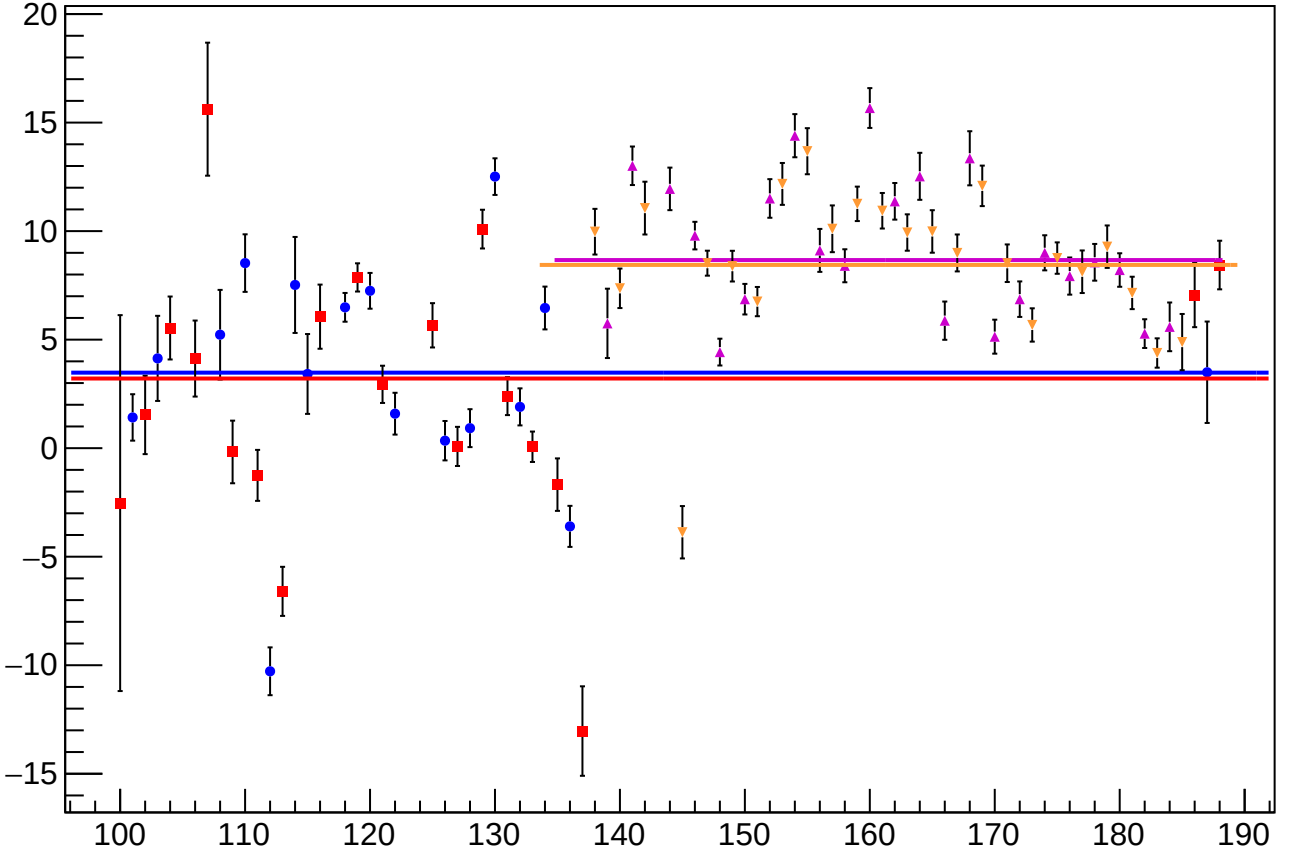
Right: 11.276+/-0.155 χ^2/NDF: 7046.8/36

In: 10.415+/-0.153 χ^2/NDF:3522.1/39

Out: 9.467+/-0.144 χ^2/NDF:5476.5/43

All: 9.911+/-0.105 χ^2/NDF: 9019.0/83

reg_asym_left_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 3.479+/-0.252 χ^2/NDF: 427.6/16

Left Out: 8.442+/-0.174 χ^2/NDF:264.2/23

Right Out: 3.209+/-0.247 χ^2/NDF: 376.1/19

Left In: 8.666+/-0.176 χ^2/NDF:304.8/22

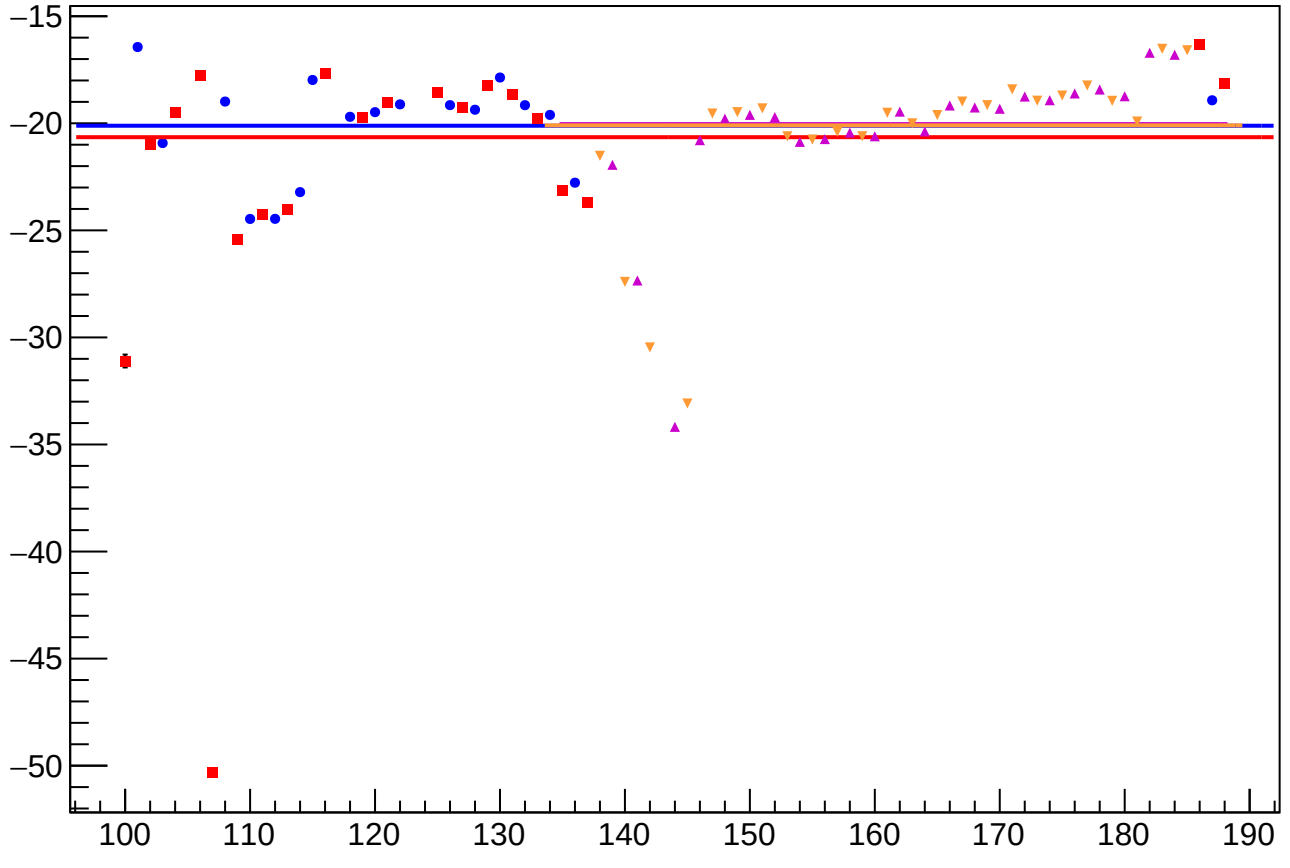
Left: 8.553+/-0.123 χ^2/NDF: 569.8/46

Right: 3.342+/-0.177 χ^2/NDF: 804.4/36

In: 6.972+/-0.144 χ^2/NDF:1017.3/39

Out: 6.715+/-0.142 χ^2/NDF:940.6/43

All: 6.841+/-0.101 χ^2/NDF: 1959.4/83



Right In: -20.114+/-0.016 χ^2/NDF: 19920.3/16

Left Out: -20.096+/-0.008 χ^2/NDF:159293.0/23

Right Out: -20.648+/-0.015 χ^2/NDF: 62318.4/19

Left In: -20.037+/-0.008 χ^2/NDF:132291.6/22

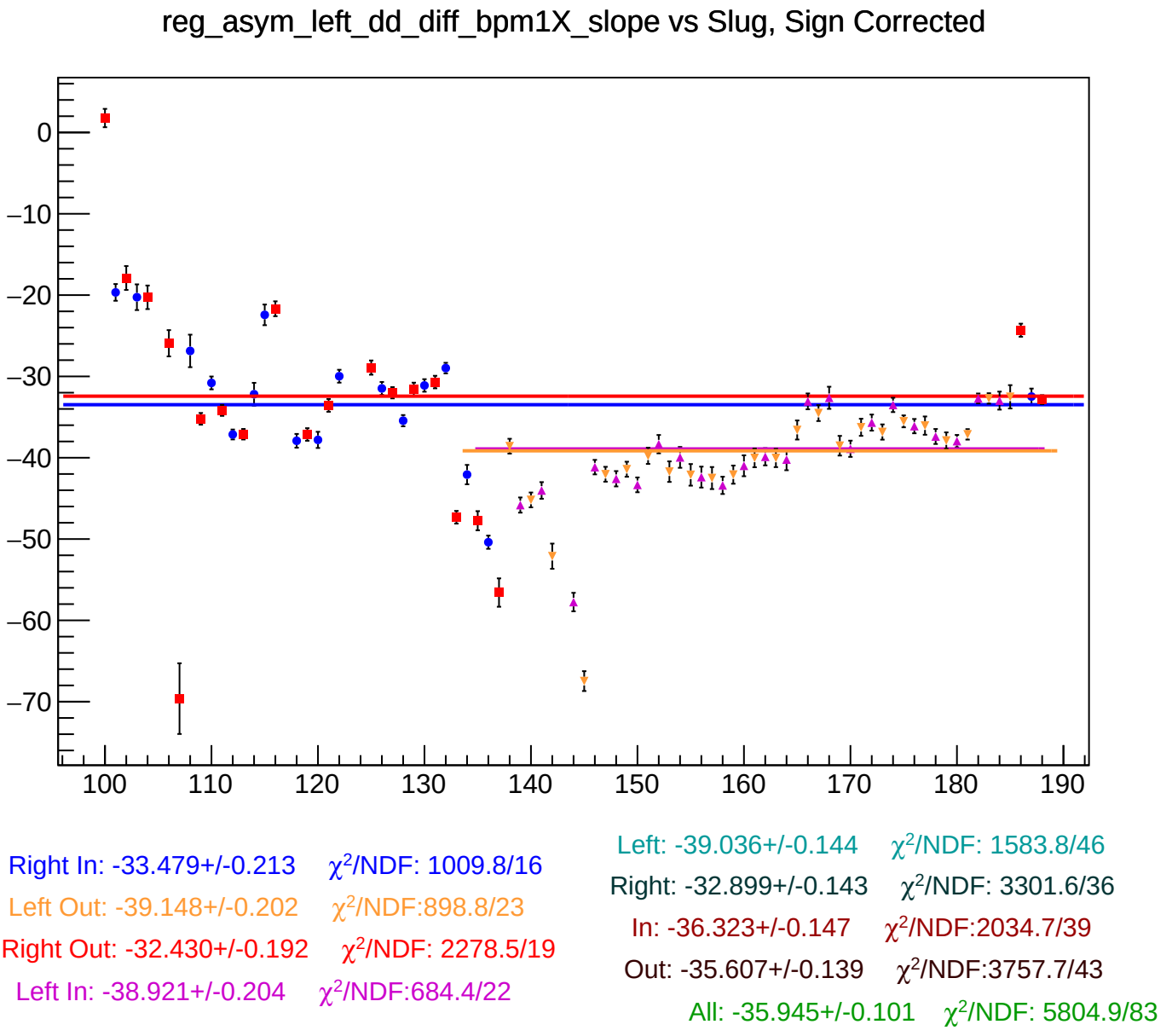
Left: -20.067+/-0.006 χ^2/NDF: 291612.1/46

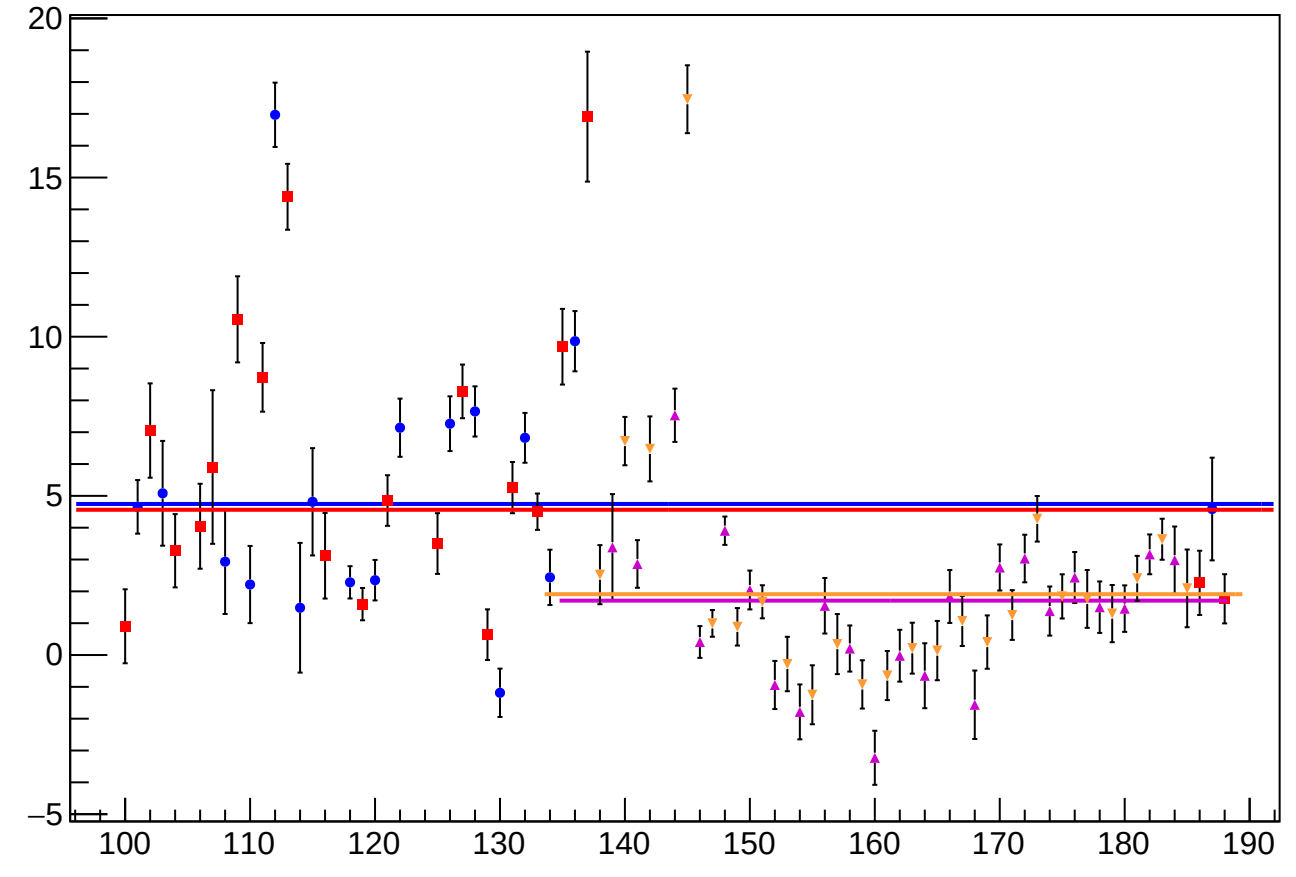
Right: -20.389+/-0.011 χ^2/NDF: 82819.9/36

In: -20.053+/-0.007 χ^2/NDF:152230.5/39

Out: -20.211+/-0.007 χ^2/NDF:222623.9/43

All: -20.132+/-0.005 χ^2/NDF: 375106.2/83


reg_asym_left_dd_diff_bpm1X_slope vs Slug, Sign Corrected
0
−10
−20
−30
−40
−50
−60
−70
100
110
120
130
140
150
160
170
180
190
Right In: -33.479+/-0.213 χ²/NDF: 1009.8/16
Left Out: -39.148+/-0.202 χ²/NDF:898.8/23
Right Out: -32.430+/-0.192 χ²/NDF: 2278.5/19
Left In: -38.921+/-0.204 χ²/NDF:684.4/22
Left: -39.036+/-0.144 χ²/NDF: 1583.8/46
Right: -32.899+/-0.143 χ²/NDF: 3301.6/36
In: -36.323+/-0.147 χ²/NDF:2034.7/39
Out: -35.607+/-0.139 χ²/NDF:3757.7/43
All: -35.945+/-0.101 χ²/NDF: 5804.9/83



Right In: 4.745+/-0.218 χ^2/NDF: 325.7/16

Left Out: 1.911+/-0.152 χ^2/NDF:359.3/23

Right Out: 4.563+/-0.207 χ^2/NDF: 293.7/19

Left In: 1.709+/-0.155 χ^2/NDF:182.6/22

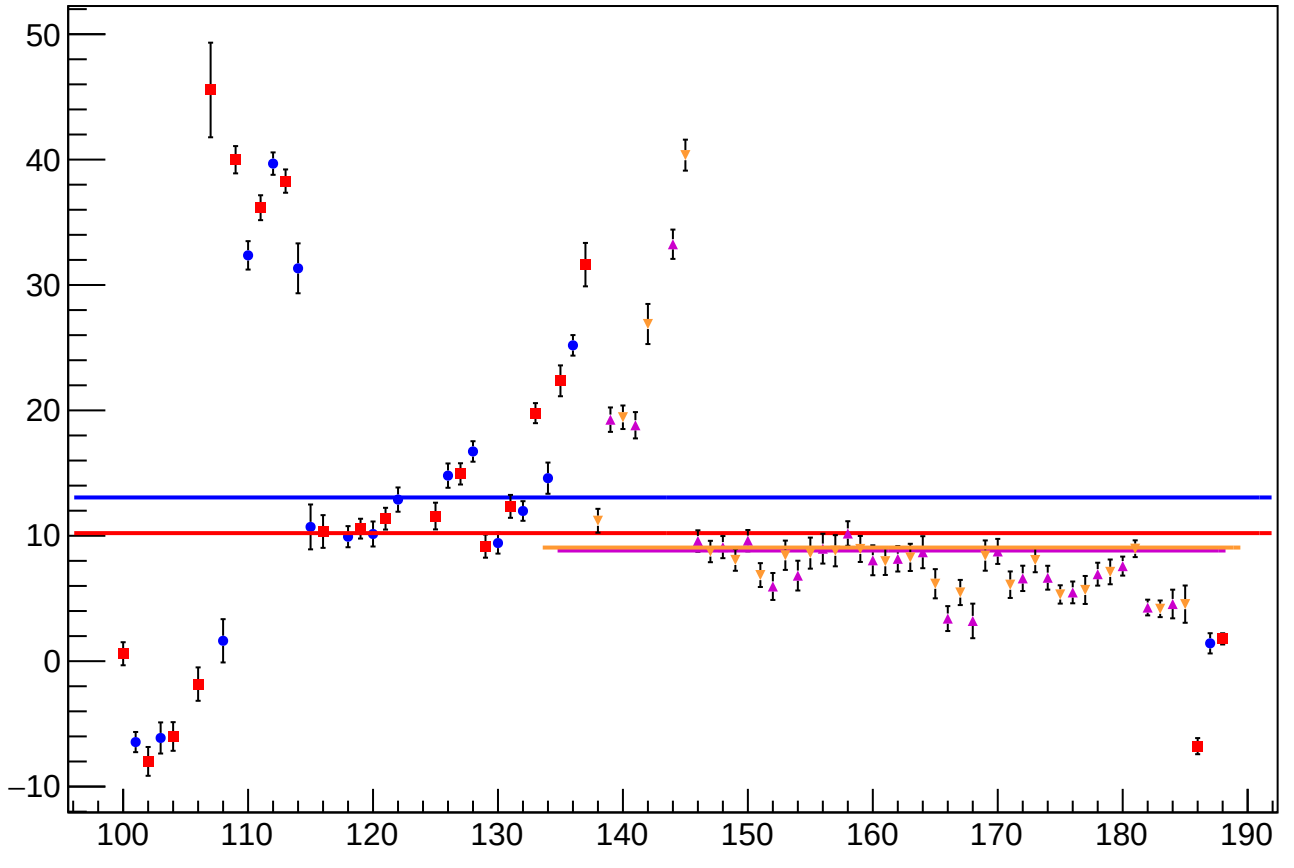
Left: 1.811+/-0.109 χ^2/NDF: 542.8/46

Right: 4.650+/-0.150 χ^2/NDF: 619.7/36

In: 2.731+/-0.126 χ^2/NDF:637.5/39

Out: 2.843+/-0.123 χ^2/NDF:759.4/43

All: 2.789+/-0.088 χ^2/NDF: 1397.3/83



Right In: 13.057+/-0.236 χ^2/NDF: 2629.7/16

Left Out: 9.061+/-0.201 χ^2/NDF:1033.5/23

Right Out: 10.212+/-0.202 χ^2/NDF: 4566.5/19

Left In: 8.826+/-0.202 χ^2/NDF:801.4/22

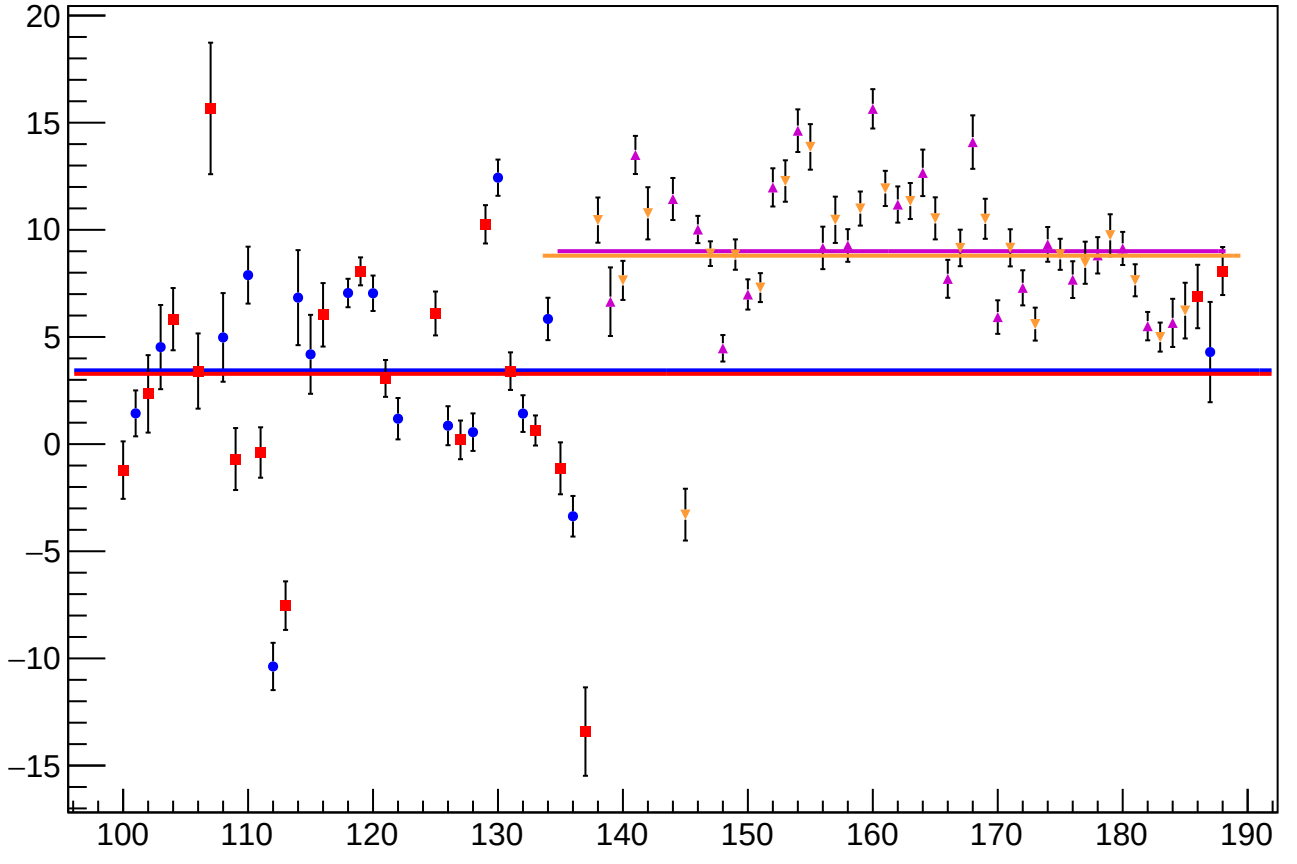
Left: 8.944+/-0.142 χ^2/NDF: 1835.6/46

Right: 11.412+/-0.154 χ^2/NDF: 7280.0/36

In: 10.610+/-0.153 χ^2/NDF:3616.4/39

Out: 9.634+/-0.142 χ^2/NDF:5616.3/43

All: 10.085+/-0.104 χ^2/NDF: 9254.5/83



Right In: 3.442+/-0.253 χ^2/NDF: 424.1/16

Left Out: 8.793+/-0.174 χ^2/NDF:244.1/23

Right Out: 3.280+/-0.244 χ^2/NDF: 393.9/19

Left In: 9.004+/-0.176 χ^2/NDF:289.6/22

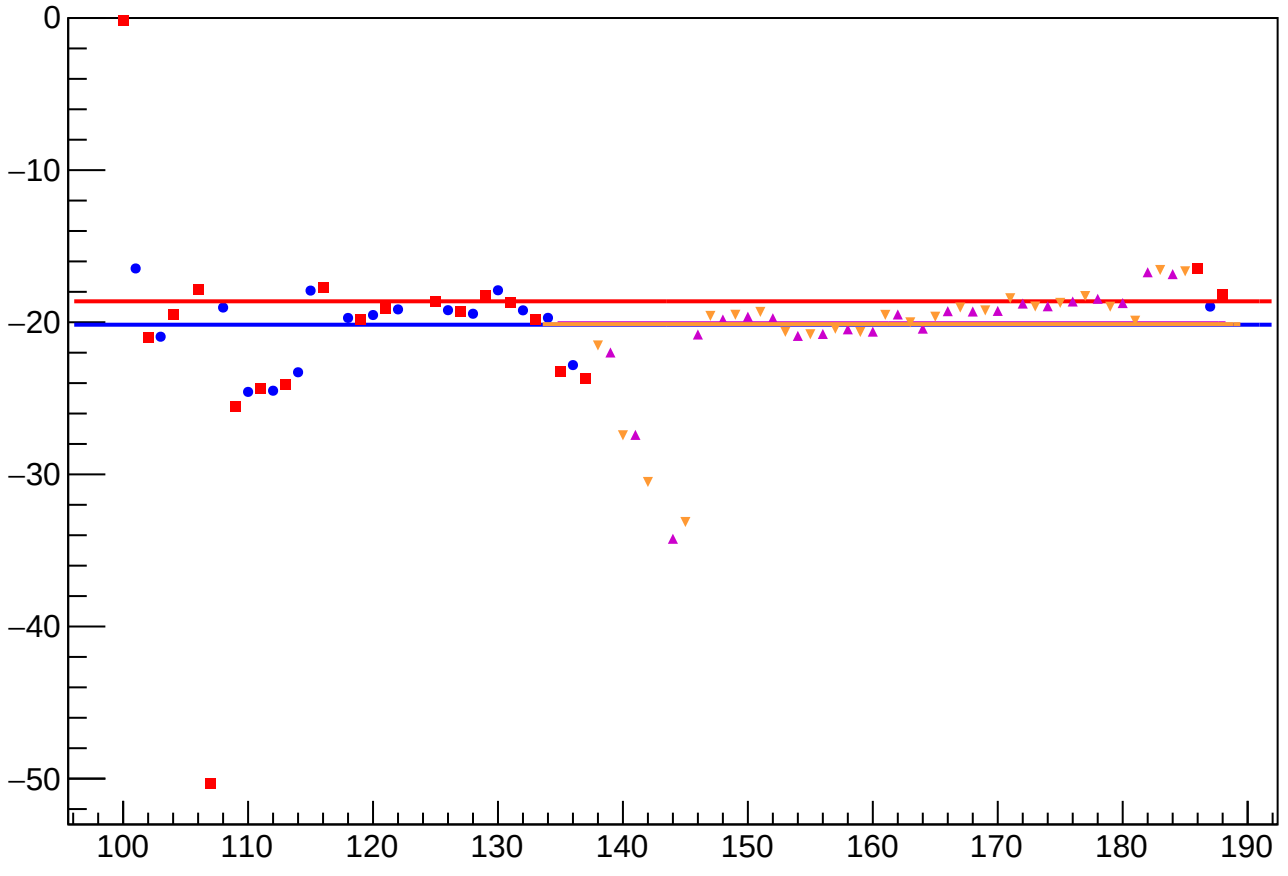
Left: 8.897+/-0.124 χ^2/NDF: 534.4/46

Right: 3.358+/-0.175 χ^2/NDF: 818.3/36

In: 7.188+/-0.144 χ^2/NDF:1039.9/39

Out: 6.933+/-0.142 χ^2/NDF:977.1/43

All: 7.058+/-0.101 χ^2/NDF: 2018.6/83



Right In: -20.161+/-0.016 χ^2/NDF: 19946.1/16

Left Out: -20.123+/-0.008 χ^2/NDF:158578.7/23

Right Out: -18.623+/-0.015 χ^2/NDF: 235222.5/19

Left In: -20.063+/-0.008 χ^2/NDF:132690.0/22

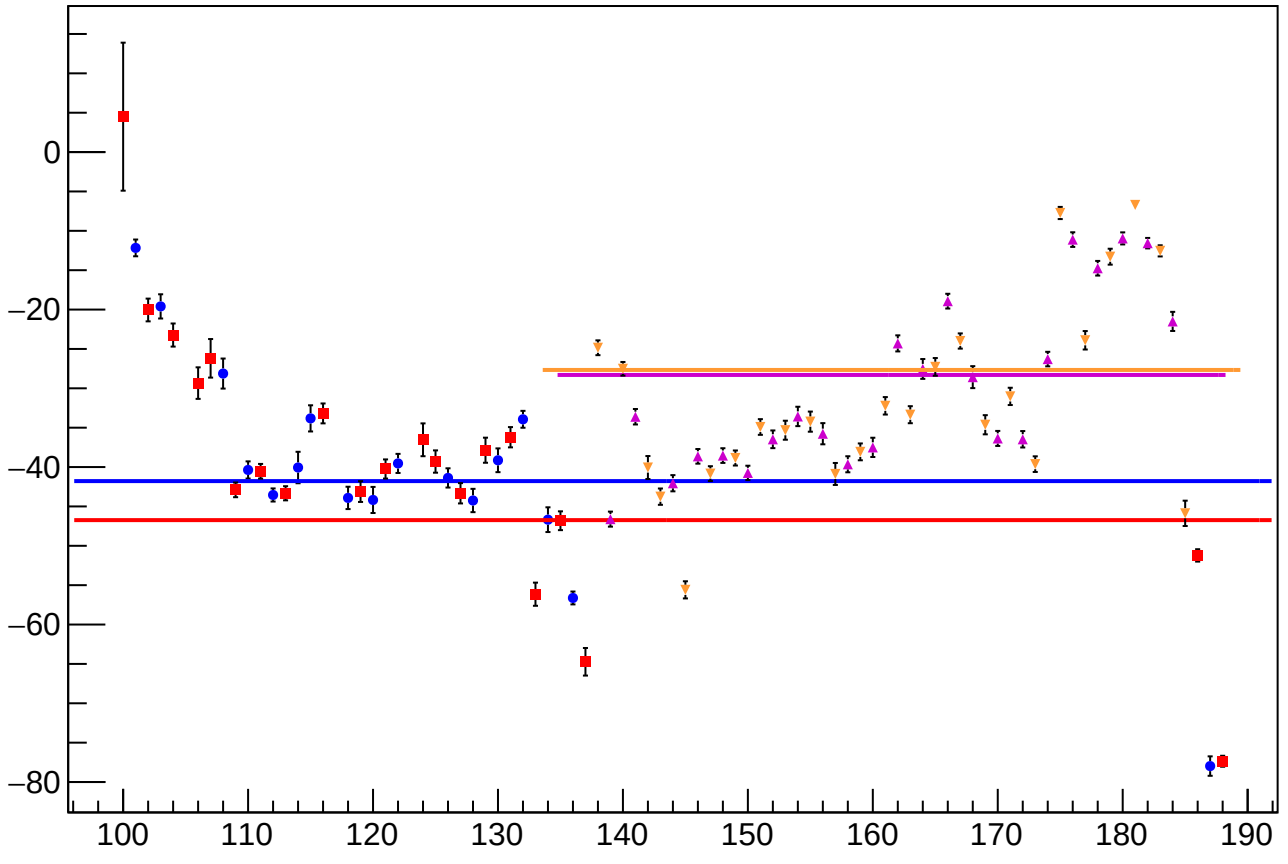
Left: -20.093+/-0.006 χ^2/NDF: 291297.6/46

Right: -19.331+/-0.011 χ^2/NDF: 260204.6/36

In: -20.082+/-0.007 χ^2/NDF:152666.7/39

Out: -19.785+/-0.007 χ^2/NDF:401861.1/43

All: -19.932+/-0.005 χ^2/NDF: 555423.0/83



Right In: -41.783+/-0.301 χ^2/NDF: 2330.4/16

Left Out: -27.668+/-0.200 χ^2/NDF:4396.9/24

Right Out: -46.739+/-0.265 χ^2/NDF: 3272.7/20

Left In: -28.303+/-0.206 χ^2/NDF:3273.4/22

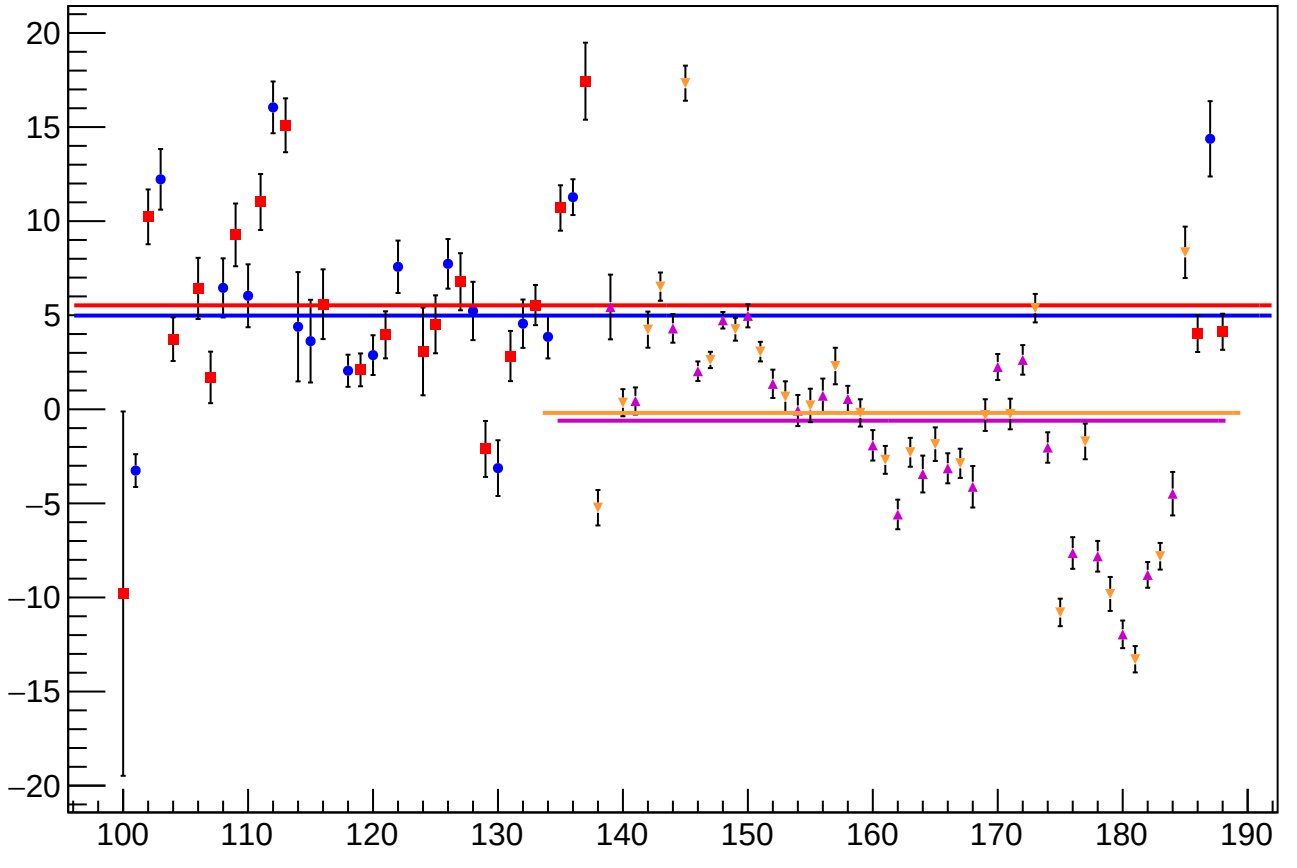
Left: -27.977+/-0.144 χ^2/NDF: 7675.2/47

Right: -44.581+/-0.199 χ^2/NDF: 5755.9/37

In: -32.591+/-0.170 χ^2/NDF:6969.2/39

Out: -34.624+/-0.160 χ^2/NDF:10970.8/45

All: -33.670+/-0.116 χ^2/NDF: 18016.1/85



Right In: 4.981+/-0.312 χ^2/NDF: 296.4/16

Left Out: -0.192+/-0.150 χ^2/NDF:1545.3/24

Right Out: 5.525+/-0.293 χ^2/NDF: 193.2/20

Left In: -0.605+/-0.155 χ^2/NDF:974.6/22

Left: -0.391+/-0.108 χ^2/NDF: 2523.5/47

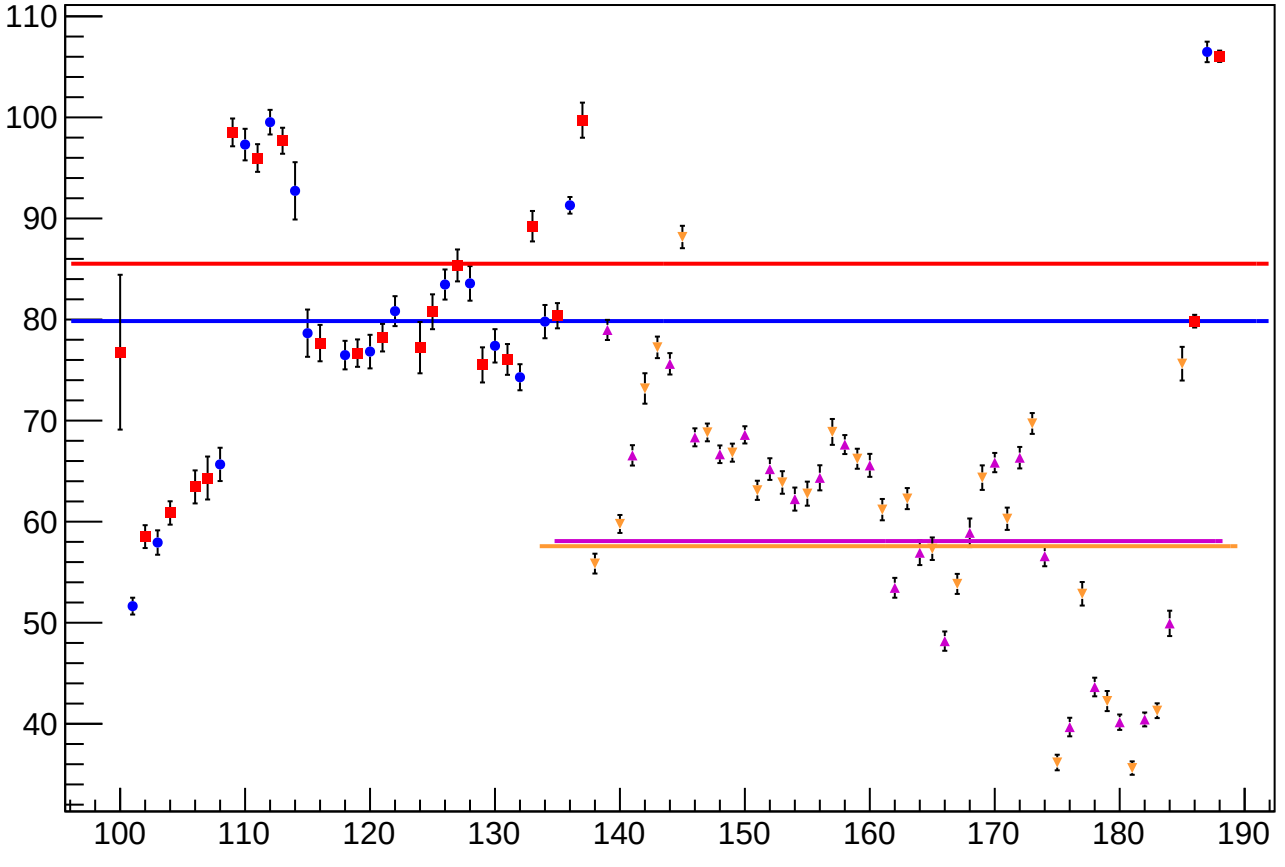
Right: 5.271+/-0.213 χ^2/NDF: 491.3/37

In: 0.502+/-0.139 χ^2/NDF:1527.9/39

Out: 0.999+/-0.134 χ^2/NDF:2040.9/45

All: 0.761+/-0.096 χ^2/NDF: 3575.5/85

reg_asym_right_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 79.848+/-0.320 χ^2/NDF: 2881.8/16

Left Out: 57.573+/-0.199 χ^2/NDF:4685.5/24

Right Out: 85.523+/-0.267 χ^2/NDF: 3247.3/20

Left In: 58.080+/-0.203 χ^2/NDF:3558.6/22

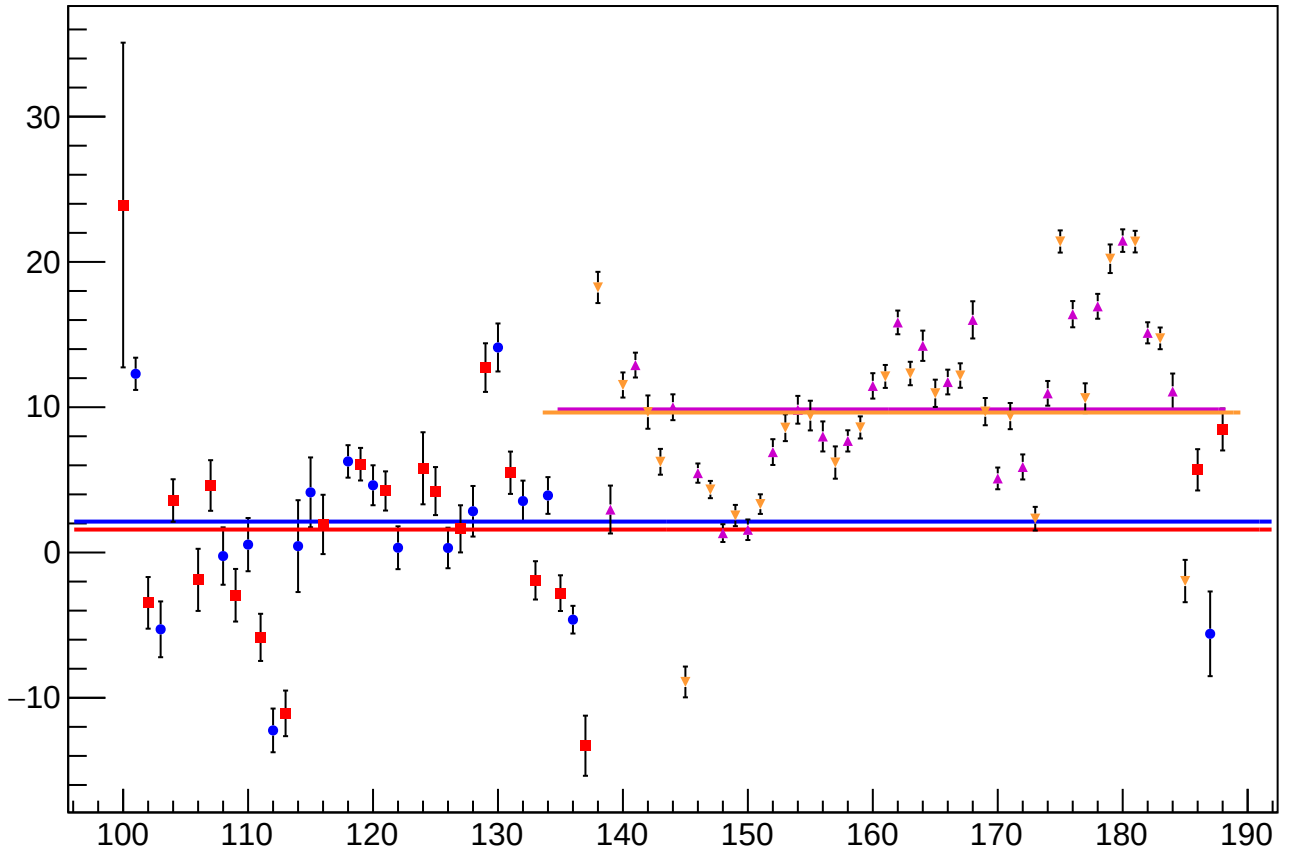
Left: 57.821+/-0.142 χ^2/NDF: 8247.2/47

Right: 83.189+/-0.205 χ^2/NDF: 6314.6/37

In: 64.355+/-0.172 χ^2/NDF:9740.3/39

Out: 67.543+/-0.160 χ^2/NDF:14971.0/45

All: 66.065+/-0.117 χ^2/NDF: 24896.2/85



Right In: 2.128+/-0.360 χ^2/NDF: 326.7/16

Left Out: 9.636+/-0.171 χ^2/NDF:1491.5/24

Right Out: 1.580+/-0.349 χ^2/NDF: 291.3/20

Left In: 9.849+/-0.176 χ^2/NDF:993.0/22

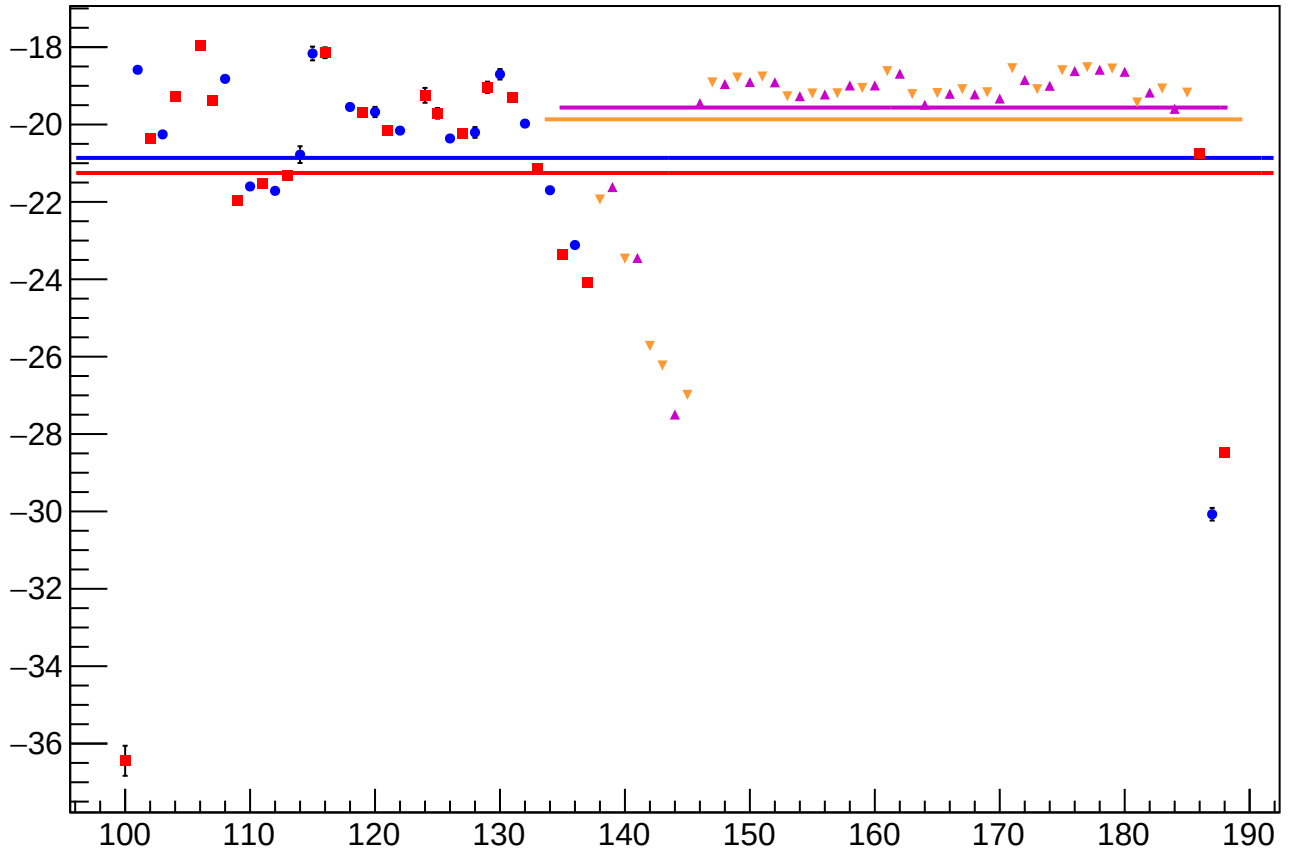
Left: 9.740+/-0.123 χ^2/NDF: 2485.2/47

Right: 1.846+/-0.251 χ^2/NDF: 619.3/37

In: 8.357+/-0.158 χ^2/NDF:1690.3/39

Out: 8.072+/-0.154 χ^2/NDF:2211.7/45

All: 8.211+/-0.110 χ^2/NDF: 3903.6/85



Right In: -20.863+/-0.019 χ^2/NDF: 10864.6/16

Left Out: -19.866+/-0.008 χ^2/NDF:78894.3/24

Right Out: -21.253+/-0.019 χ^2/NDF: 18743.9/20

Left In: -19.562+/-0.008 χ^2/NDF:45172.6/22

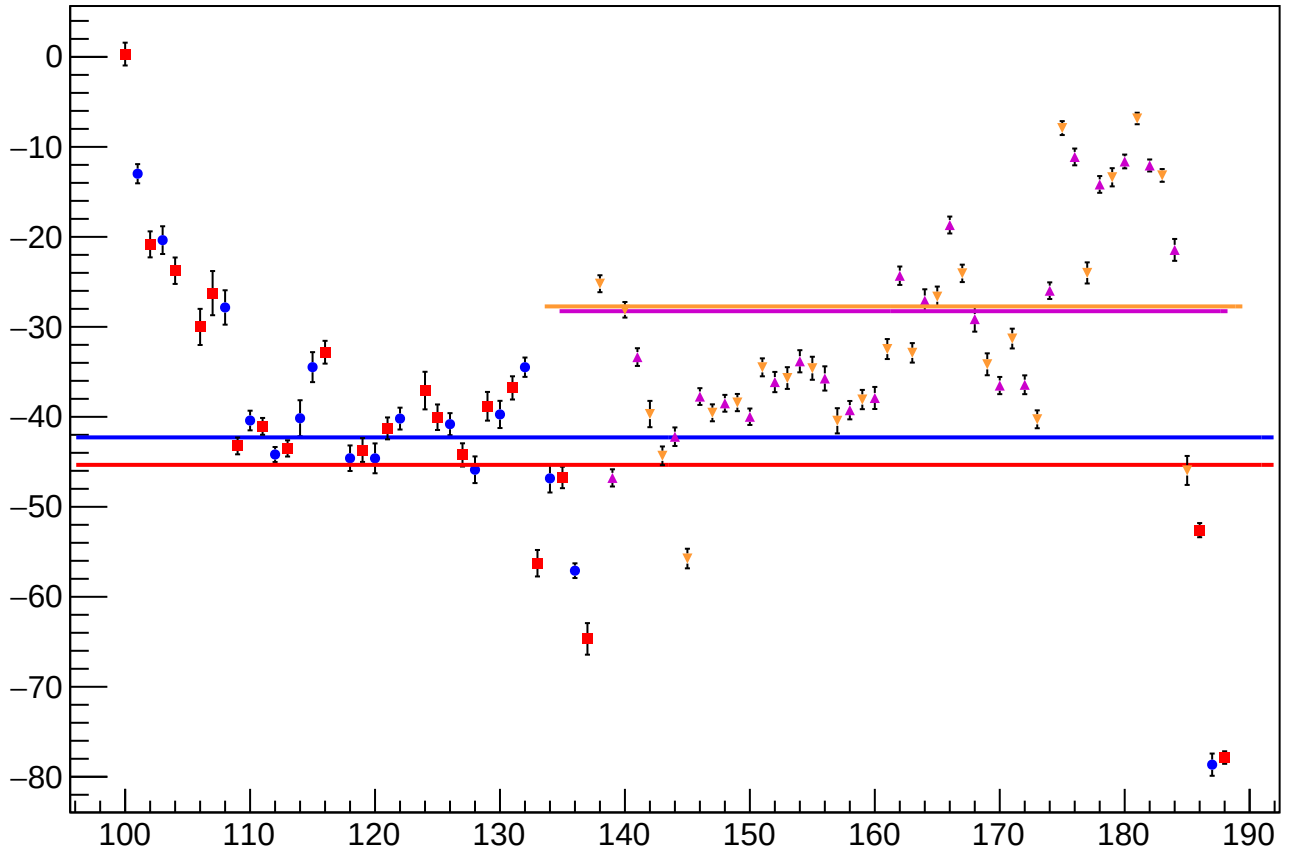
Left: -19.716+/-0.006 χ^2/NDF: 124807.4/47

Right: -21.059+/-0.014 χ^2/NDF: 29813.7/37

In: -19.751+/-0.007 χ^2/NDF:59928.1/39

Out: -20.065+/-0.007 χ^2/NDF:102111.7/45

All: -19.910+/-0.005 χ^2/NDF: 162965.2/85



Right In: -42.284+/-0.302 χ^2/NDF: 2319.4/16

Left Out: -27.729+/-0.201 χ^2/NDF:4299.7/24

Right Out: -45.337+/-0.259 χ^2/NDF: 4592.8/20

Left In: -28.260+/-0.206 χ^2/NDF:3172.7/22

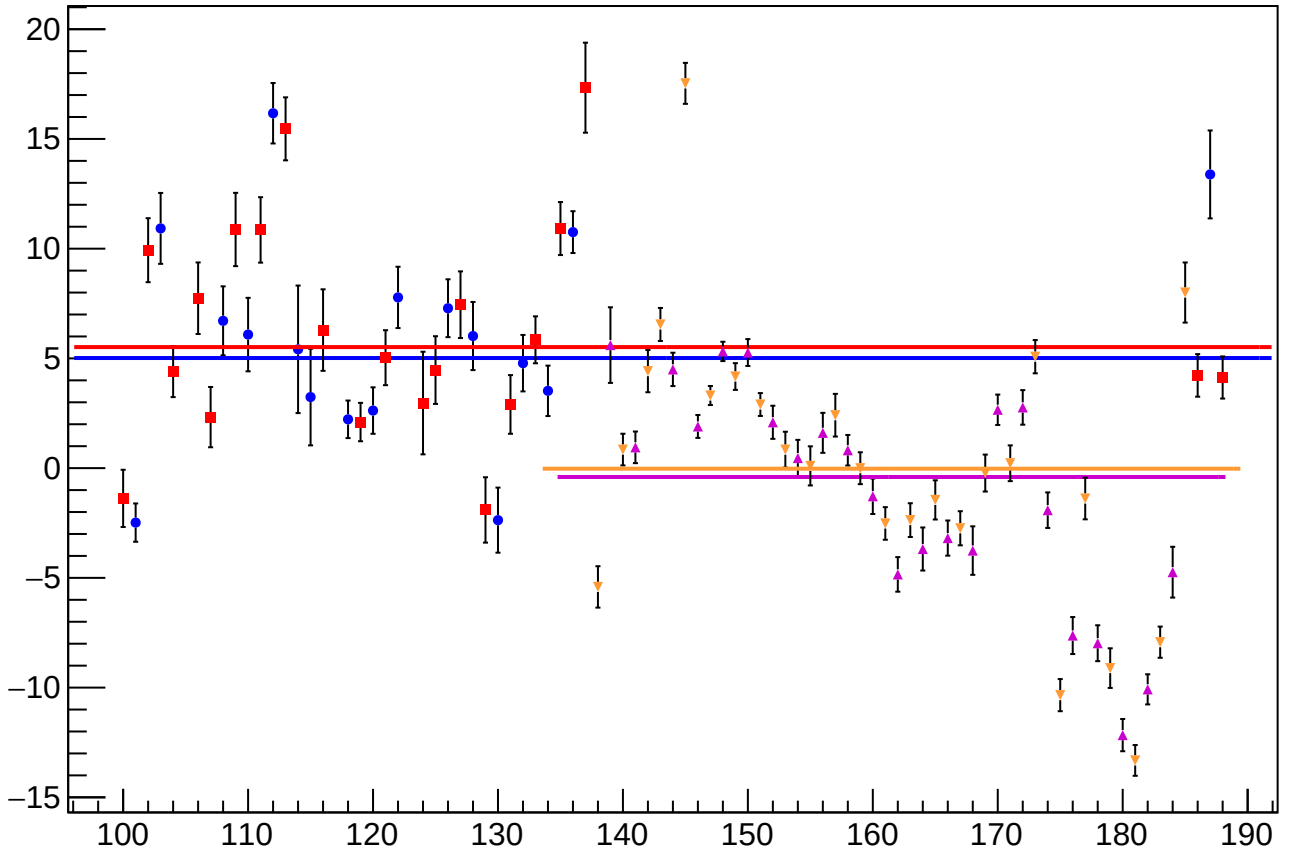
Left: -27.988+/-0.144 χ^2/NDF: 7475.8/47

Right: -44.039+/-0.197 χ^2/NDF: 6971.1/37

In: -32.724+/-0.170 χ^2/NDF:6965.0/39

Out: -34.324+/-0.159 χ^2/NDF:11773.6/45

All: -33.580+/-0.116 χ^2/NDF: 18785.8/85



Right In: 5.017+/-0.313 χ^2/NDF: 258.4/16

Left Out: -0.026+/-0.150 χ^2/NDF:1531.8/24

Right Out: 5.516+/-0.286 χ^2/NDF: 221.1/20

Left In: -0.404+/-0.155 χ^2/NDF:1084.1/22

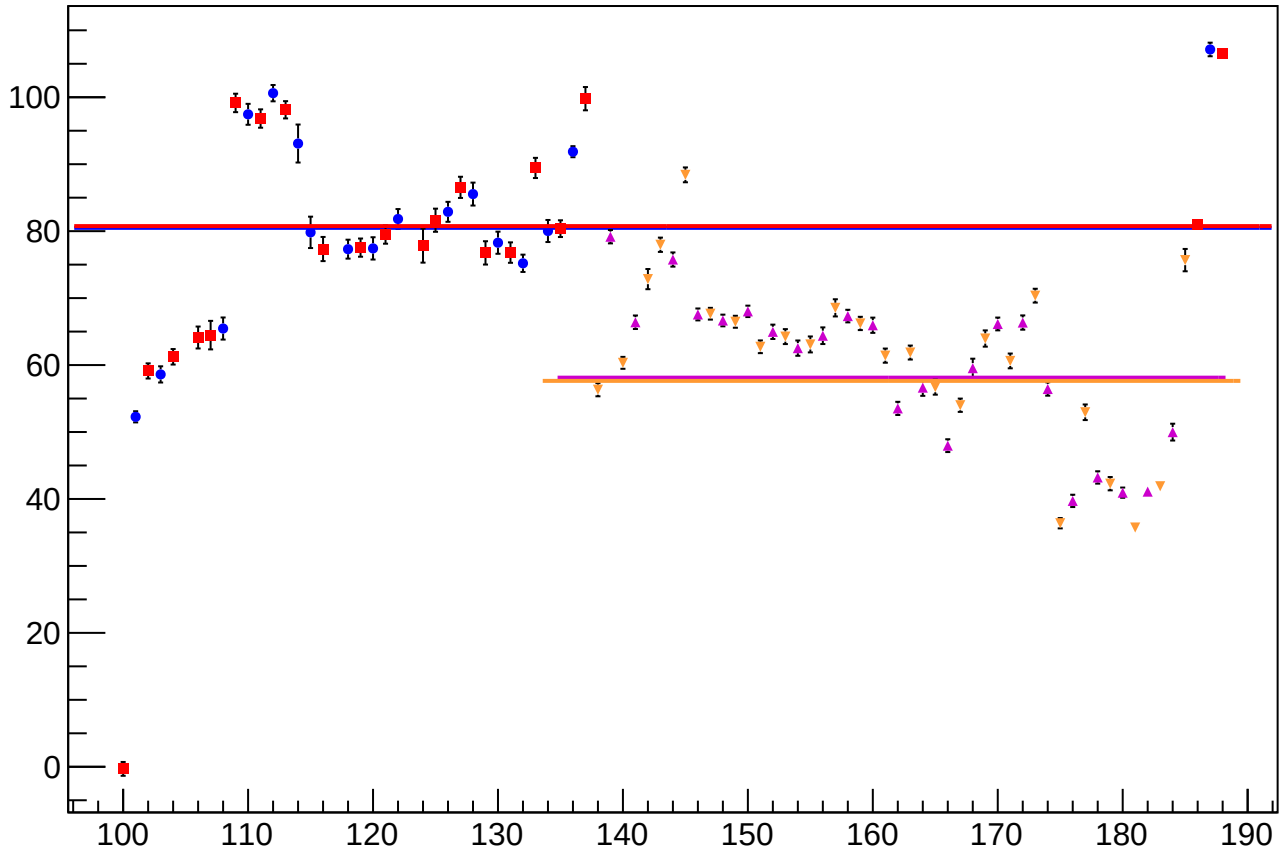
Left: -0.208+/-0.108 χ^2/NDF: 2618.9/47

Right: 5.288+/-0.211 χ^2/NDF: 480.9/37

In: 0.671+/-0.139 χ^2/NDF:1583.7/39

Out: 1.173+/-0.133 χ^2/NDF:2047.1/45

All: 0.934+/-0.096 χ^2/NDF: 3637.5/85



Right In: 80.498+/-0.320 χ^2/NDF: 2883.4/16

Left Out: 57.638+/-0.199 χ^2/NDF:4612.7/24

Right Out: 80.755+/-0.259 χ^2/NDF: 9774.3/20

Left In: 58.117+/-0.204 χ^2/NDF:3443.9/22

Left: 57.872+/-0.142 χ^2/NDF: 8059.4/47

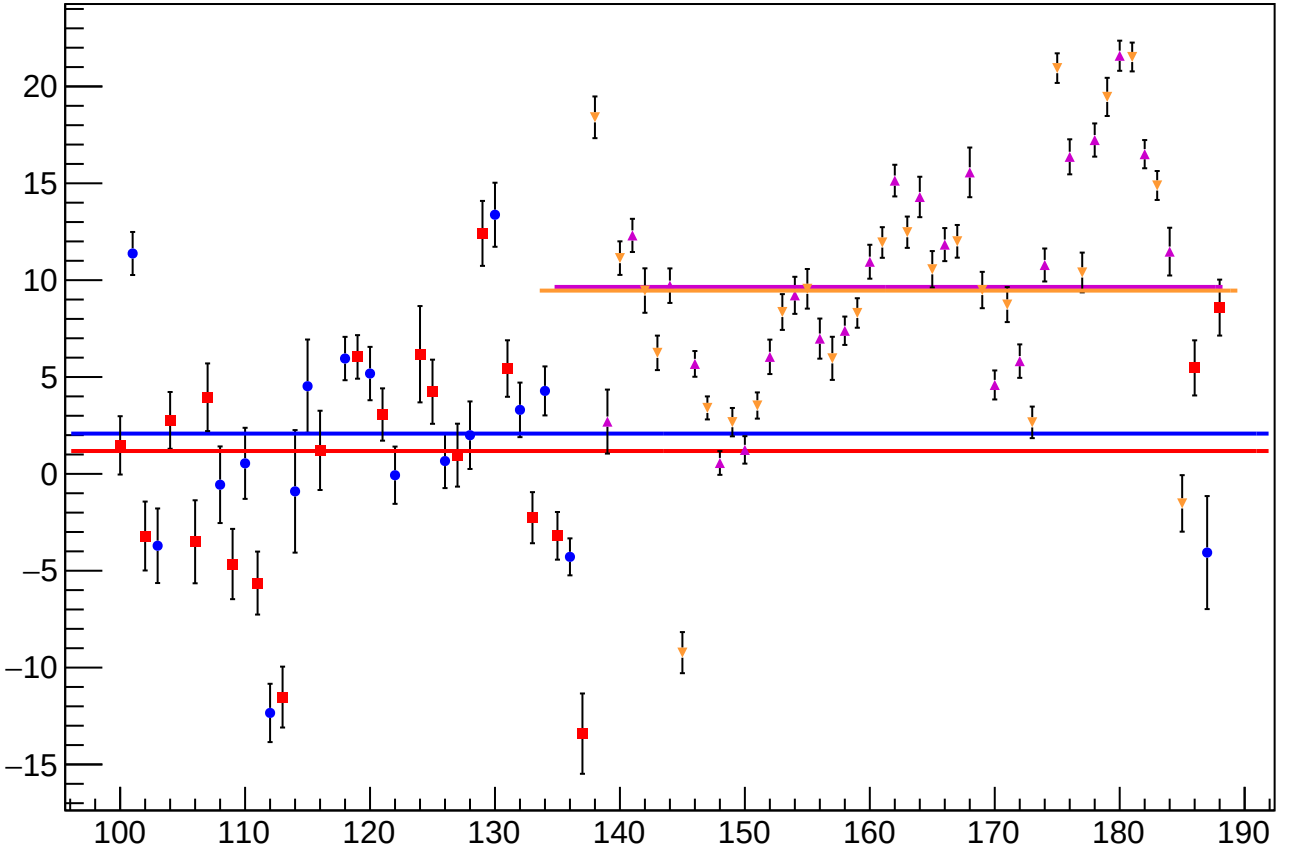
Right: 80.653+/-0.201 χ^2/NDF: 12658.1/37

In: 64.573+/-0.172 χ^2/NDF:9804.3/39

Out: 66.225+/-0.158 χ^2/NDF:19386.5/45

All: 65.469+/-0.116 χ^2/NDF: 29240.9/85

reg_asym_right_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 2.079+/-0.361 χ^2/NDF: 294.8/16

Left Out: 9.461+/-0.172 χ^2/NDF:1483.1/24

Right Out: 1.180+/-0.341 χ^2/NDF: 293.7/20

Left In: 9.650+/-0.177 χ^2/NDF:1078.5/22

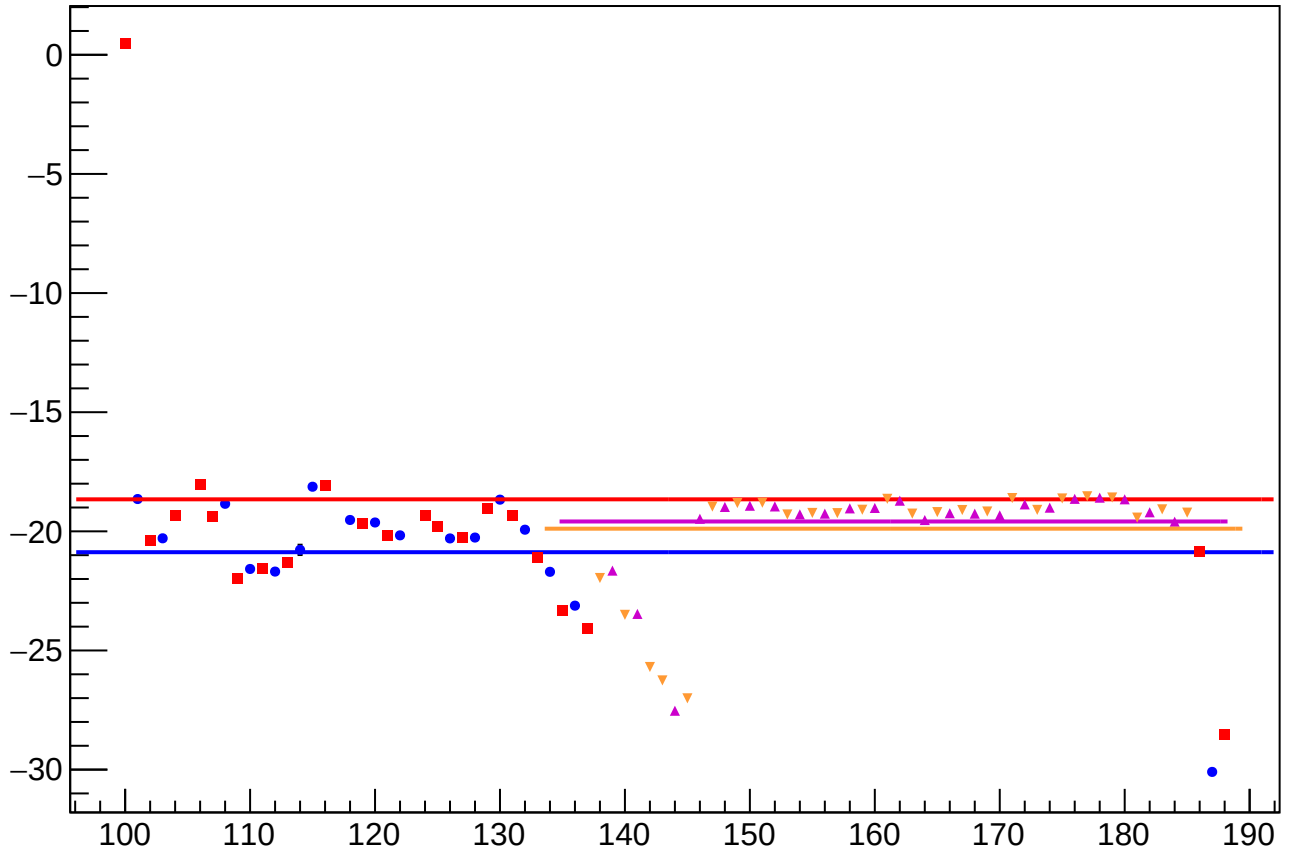
Left: 9.553+/-0.123 χ^2/NDF: 2562.3/47

Right: 1.604+/-0.248 χ^2/NDF: 591.8/37

In: 8.187+/-0.159 χ^2/NDF:1728.5/39

Out: 7.786+/-0.153 χ^2/NDF:2247.7/45

All: 7.979+/-0.110 χ^2/NDF: 3979.5/85



Right In: -20.875+/-0.019 χ^2/NDF: 10746.2/16

Left Out: -19.889+/-0.008 χ^2/NDF:78512.6/24

Right Out: -18.657+/-0.018 χ^2/NDF: 168554.8/20

Left In: -19.586+/-0.008 χ^2/NDF:45085.3/22

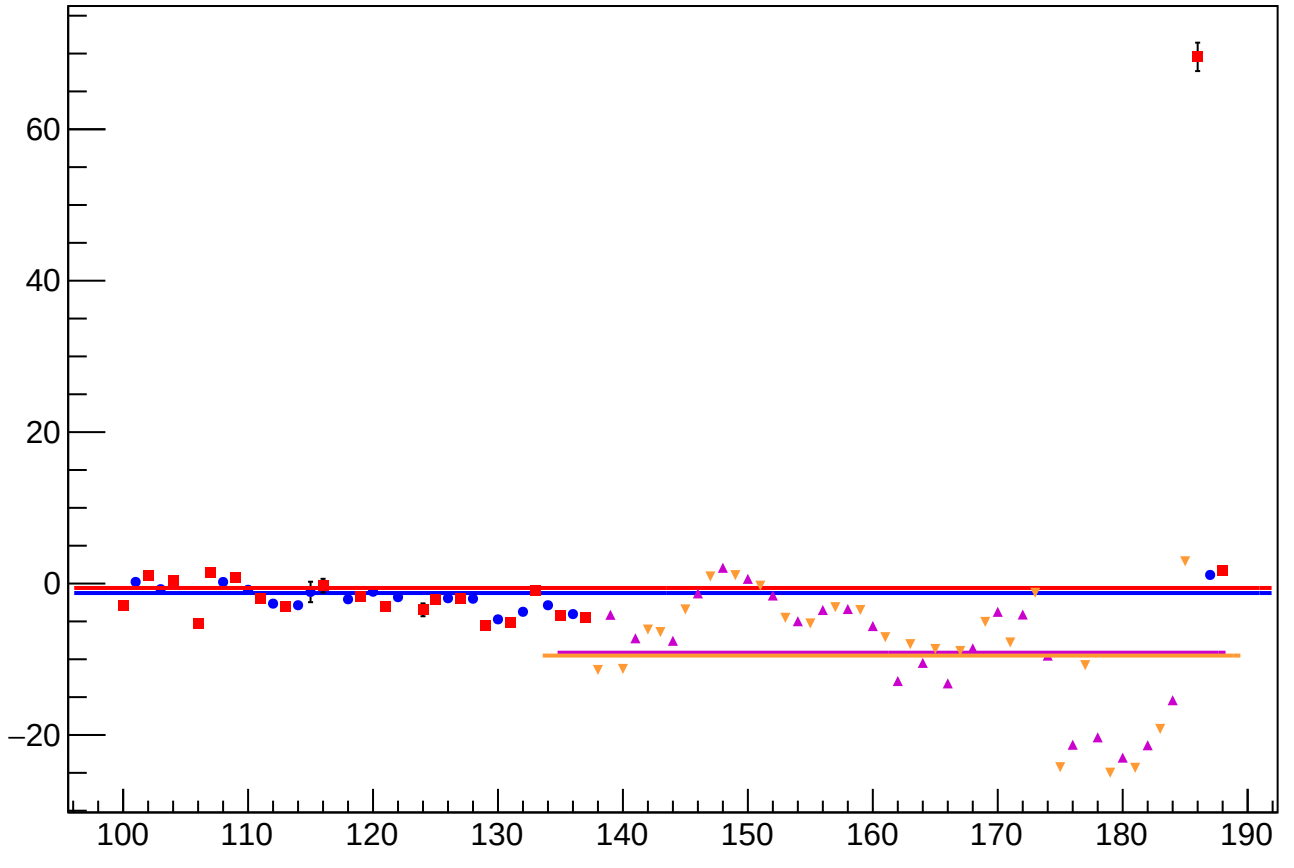
Left: -19.739+/-0.006 χ^2/NDF: 124326.8/47

Right: -19.691+/-0.013 χ^2/NDF: 186342.7/37

In: -19.774+/-0.007 χ^2/NDF:59637.7/39

Out: -19.692+/-0.007 χ^2/NDF:250980.0/45

All: -19.732+/-0.005 χ^2/NDF: 310680.8/85



Right In: -1.251+/-0.054 χ^2/NDF: 631.3/16

Left Out: -9.512+/-0.073 χ^2/NDF:12916.4/24

Right Out: -0.582+/-0.049 χ^2/NDF: 2976.5/20

Left In: -9.131+/-0.075 χ^2/NDF:10390.6/22

Left: -9.327+/-0.052 χ^2/NDF: 23320.3/47

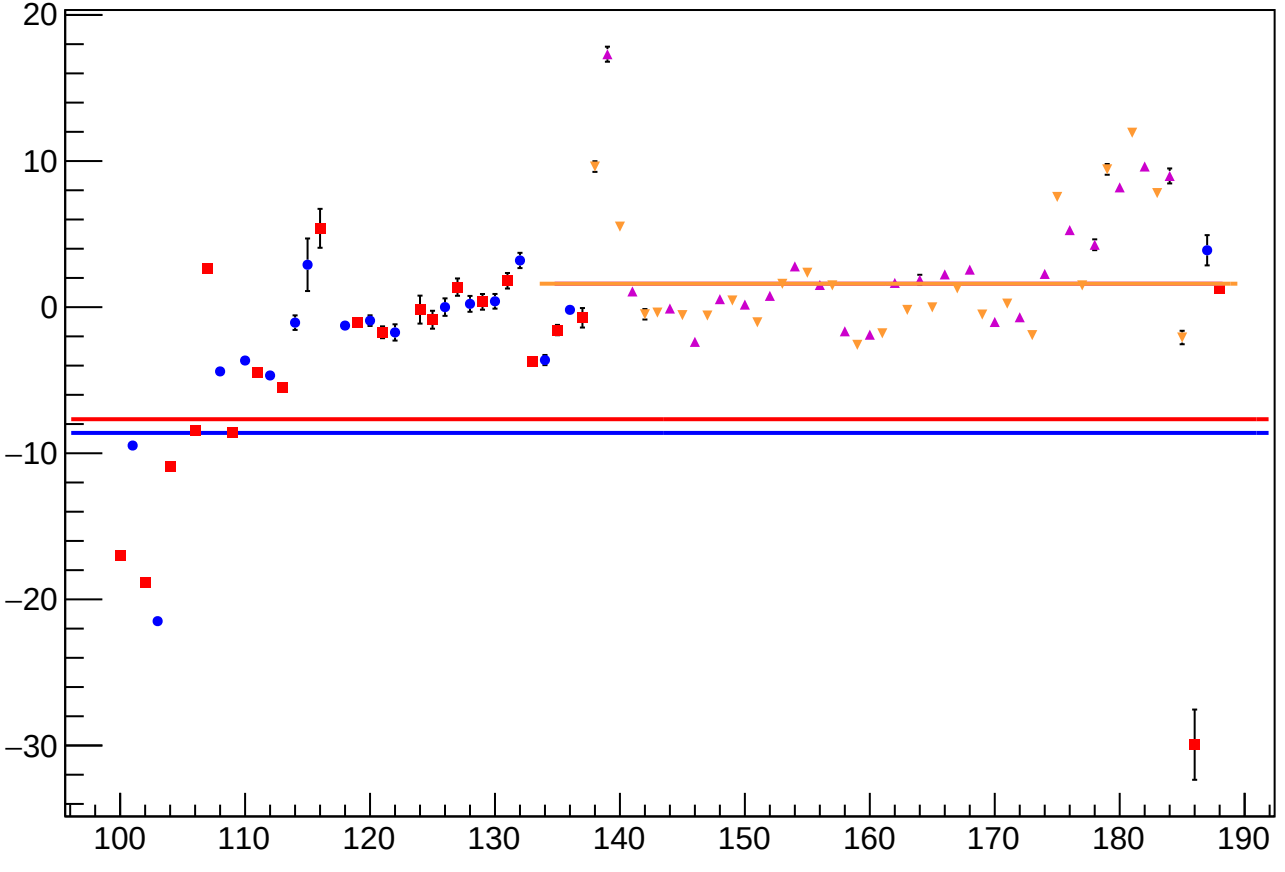
Right: -0.883+/-0.036 χ^2/NDF: 3691.5/37

In: -3.973+/-0.044 χ^2/NDF:18291.1/39

Out: -3.379+/-0.041 χ^2/NDF:26273.1/45

All: -3.653+/-0.030 χ^2/NDF: 44662.7/85

reg_asym_sam_15_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -8.607+/-0.057 χ^2/NDF: 13973.8/16

Left Out: 1.606+/-0.055 χ^2/NDF:4677.2/24

Right Out: -7.669+/-0.056 χ^2/NDF: 15662.2/20

Left In: 1.605+/-0.058 χ^2/NDF:3656.4/22

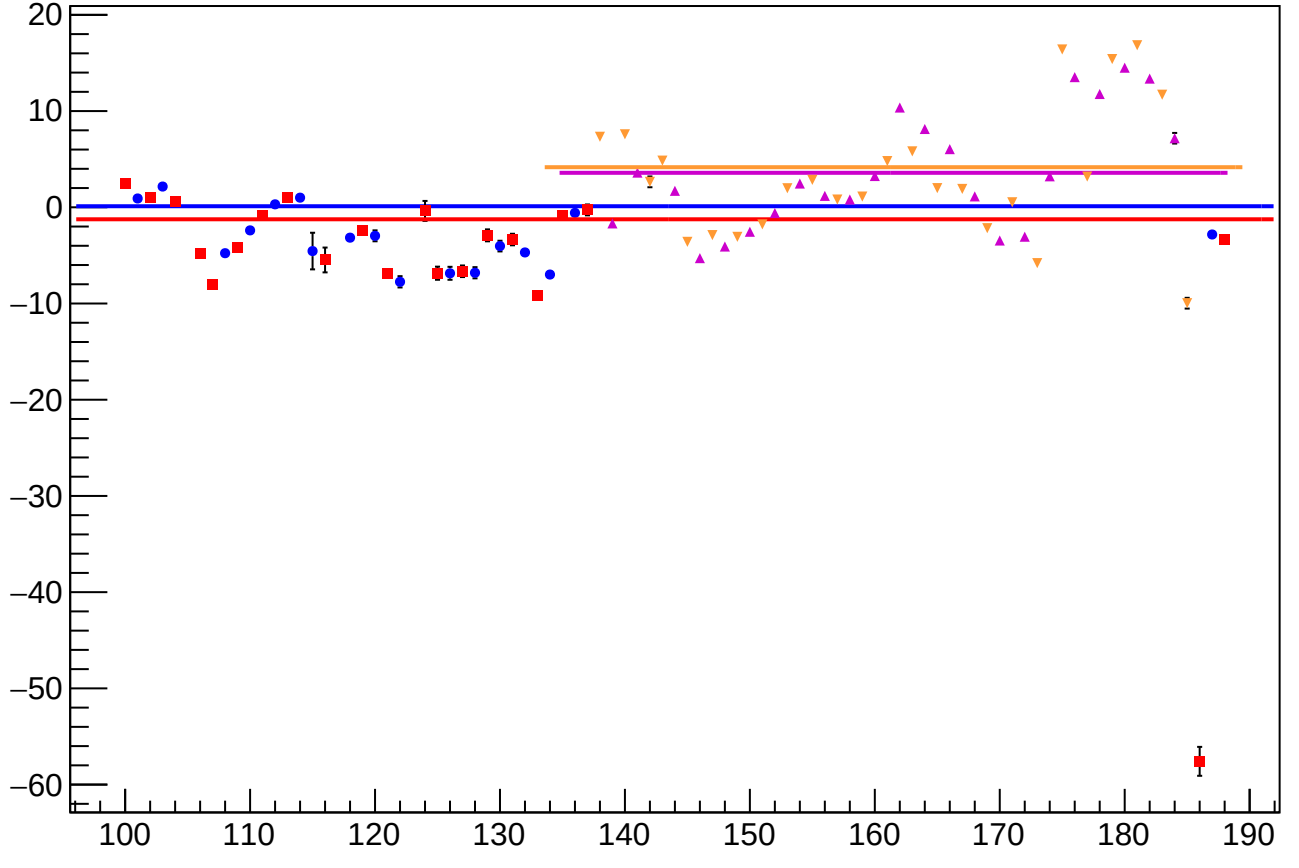
Left: 1.605+/-0.040 χ^2/NDF: 8333.6/47

Right: -8.133+/-0.040 χ^2/NDF: 29773.6/37

In: -3.575+/-0.040 χ^2/NDF:33531.2/39

Out: -2.944+/-0.039 χ^2/NDF:34201.7/45

All: -3.251+/-0.028 χ^2/NDF: 67857.4/85



Right In: 0.110+/-0.053 χ^2/NDF: 1993.0/16

Left Out: 4.167+/-0.072 χ^2/NDF:9246.5/24

Right Out: -1.247+/-0.050 χ^2/NDF: 4639.7/20

Left In: 3.584+/-0.074 χ^2/NDF:7228.4/22

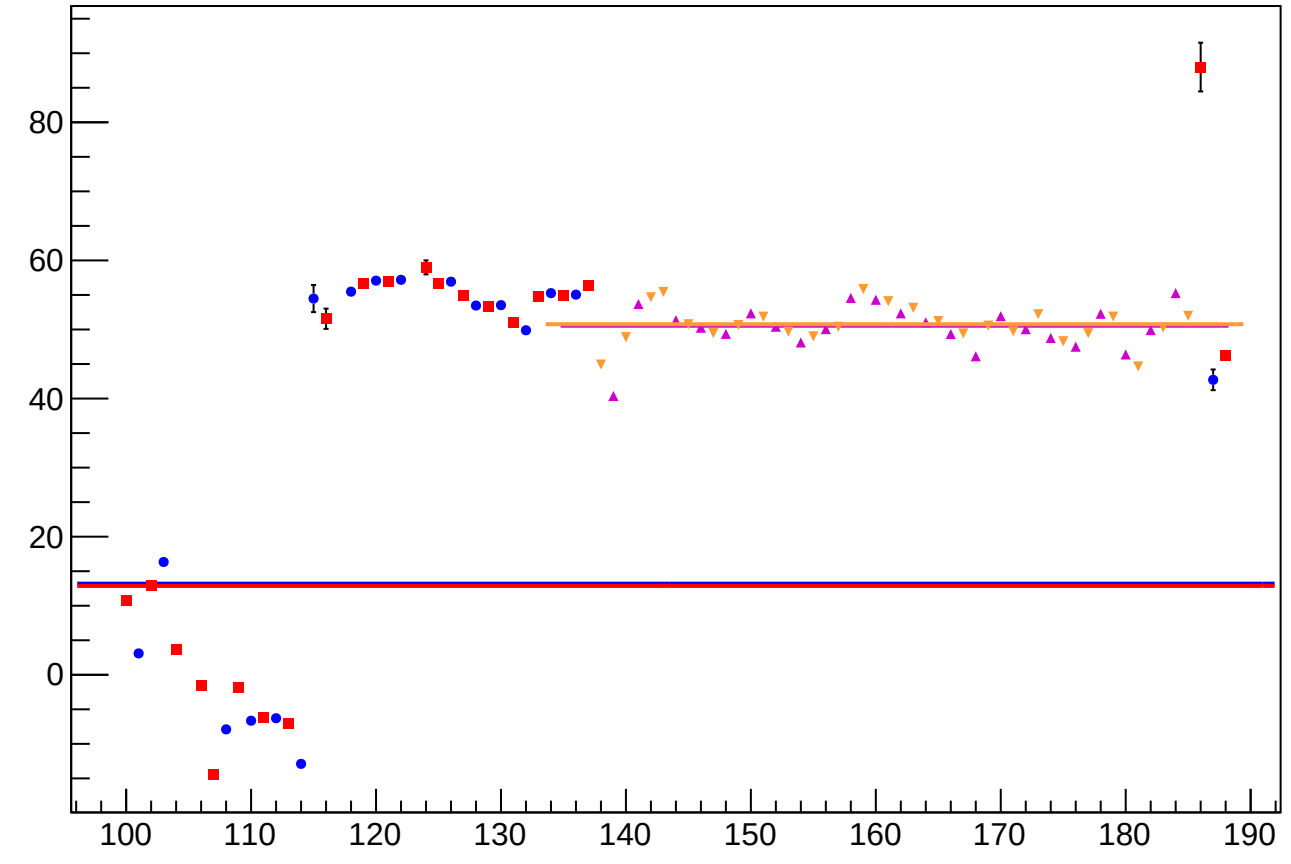
Left: 3.883+/-0.052 χ^2/NDF: 16506.8/47

Right: -0.600+/-0.036 χ^2/NDF: 6980.0/37

In: 1.279+/-0.043 χ^2/NDF:10685.5/39

Out: 0.524+/-0.041 χ^2/NDF:17679.3/45

All: 0.887+/-0.030 χ^2/NDF: 28525.8/85



Right In: 13.197+/-0.068 χ^2/NDF: 108964.1/16

Left Out: 50.761+/-0.062 χ^2/NDF:1748.6/24

Right Out: 12.870+/-0.067 χ^2/NDF: 126241.1/20

Left In: 50.550+/-0.065 χ^2/NDF:1717.7/22

Left: 50.659+/-0.045 χ^2/NDF: 3471.7/47

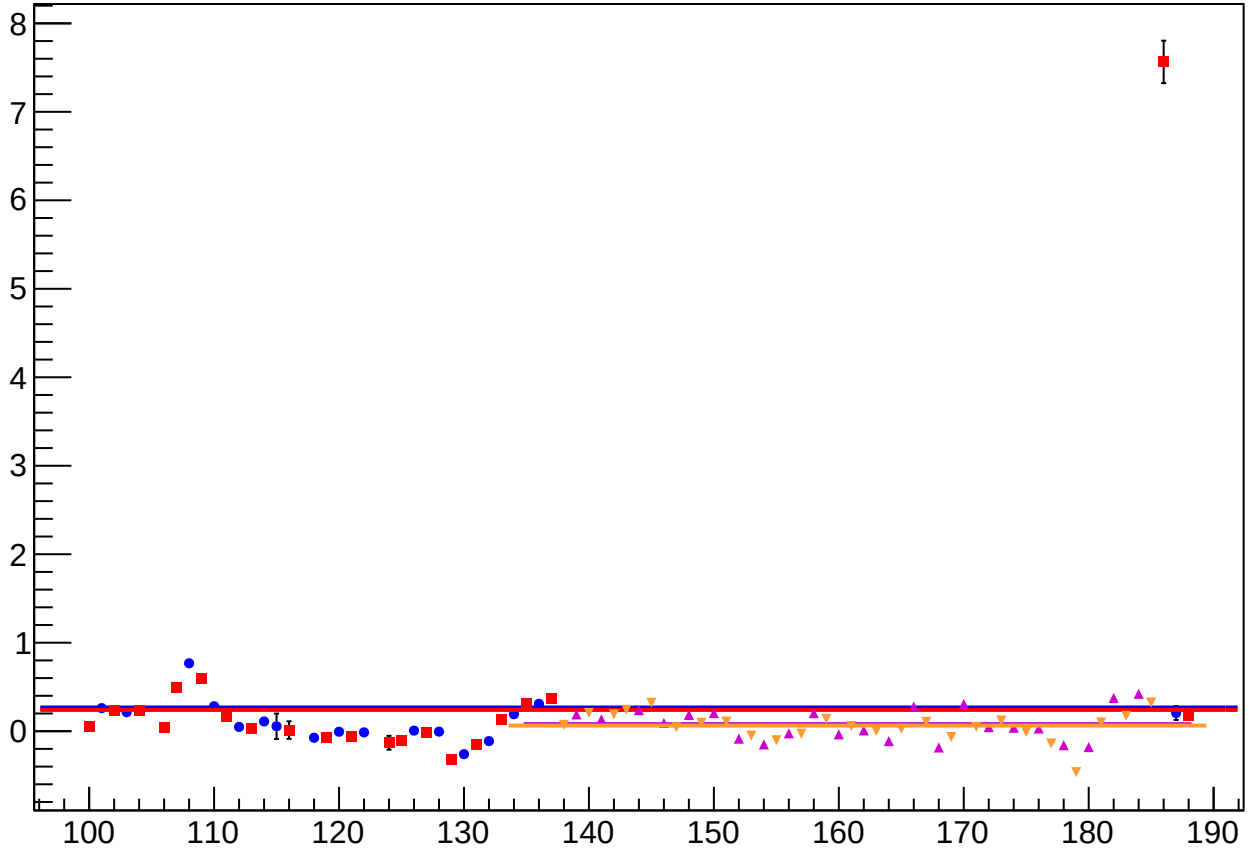
Right: 13.031+/-0.048 χ^2/NDF: 235216.9/37

In: 32.747+/-0.047 χ^2/NDF:269201.3/39

Out: 33.099+/-0.046 χ^2/NDF:299657.1/45

All: 32.928+/-0.033 χ^2/NDF: 568887.3/85

reg_asym_sam_15_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.268+/-0.003 χ^2/NDF: 3721.0/16

Left Out: 0.063+/-0.003 χ^2/NDF:2566.7/24

Right Out: 0.240+/-0.003 χ^2/NDF: 3284.8/20

Left In: 0.080+/-0.003 χ^2/NDF:3446.5/22

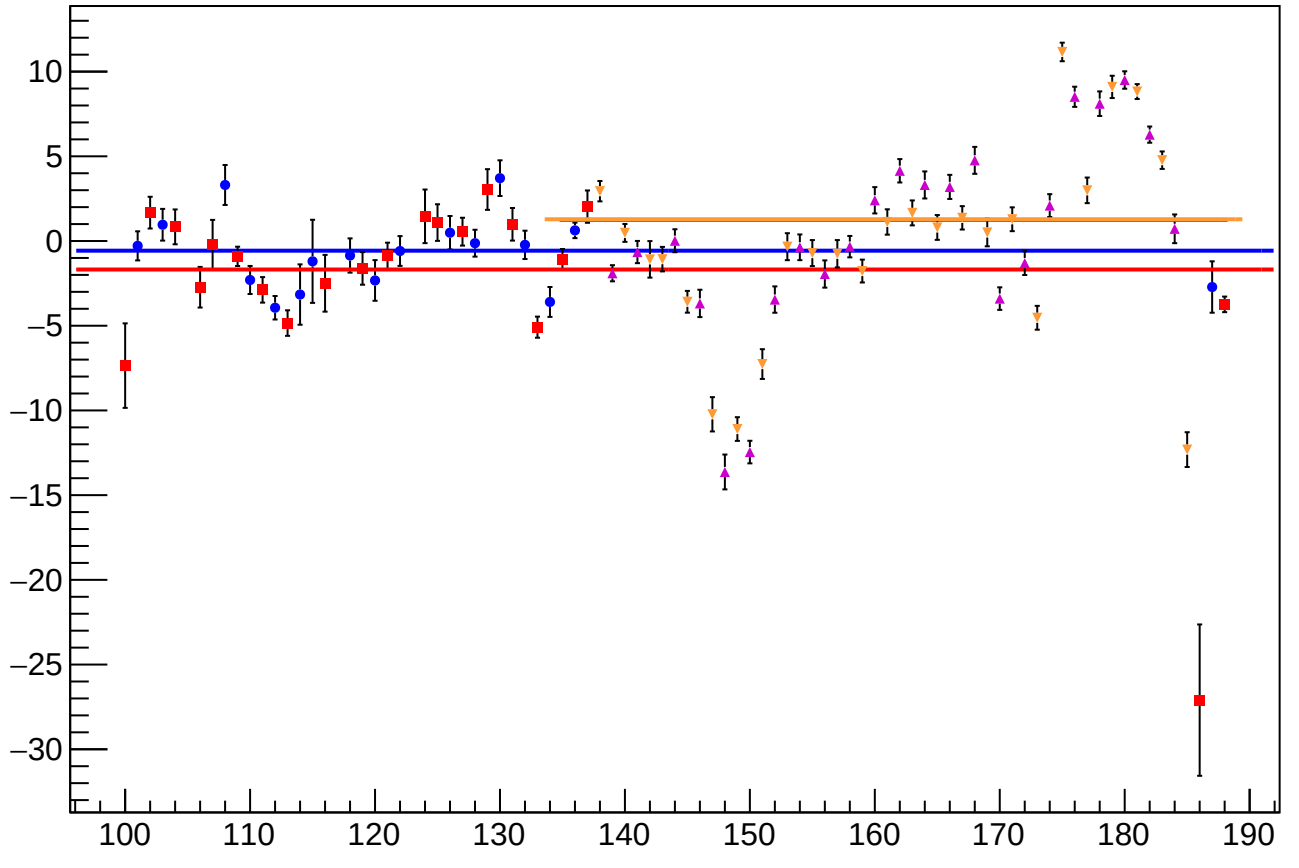
Left: 0.071+/-0.002 χ^2/NDF: 6029.9/47

Right: 0.254+/-0.002 χ^2/NDF: 7055.0/37

In: 0.175+/-0.002 χ^2/NDF:9404.0/39

Out: 0.154+/-0.002 χ^2/NDF:7919.5/45

All: 0.164+/-0.001 χ^2/NDF: 17377.7/85



Right In: -0.570+/-0.215 χ^2/NDF: 84.8/16

Left Out: 1.283+/-0.137 χ^2/NDF:1715.5/24

Right Out: -1.682+/-0.187 χ^2/NDF: 188.4/20

Left In: 1.247+/-0.140 χ^2/NDF:1512.4/22

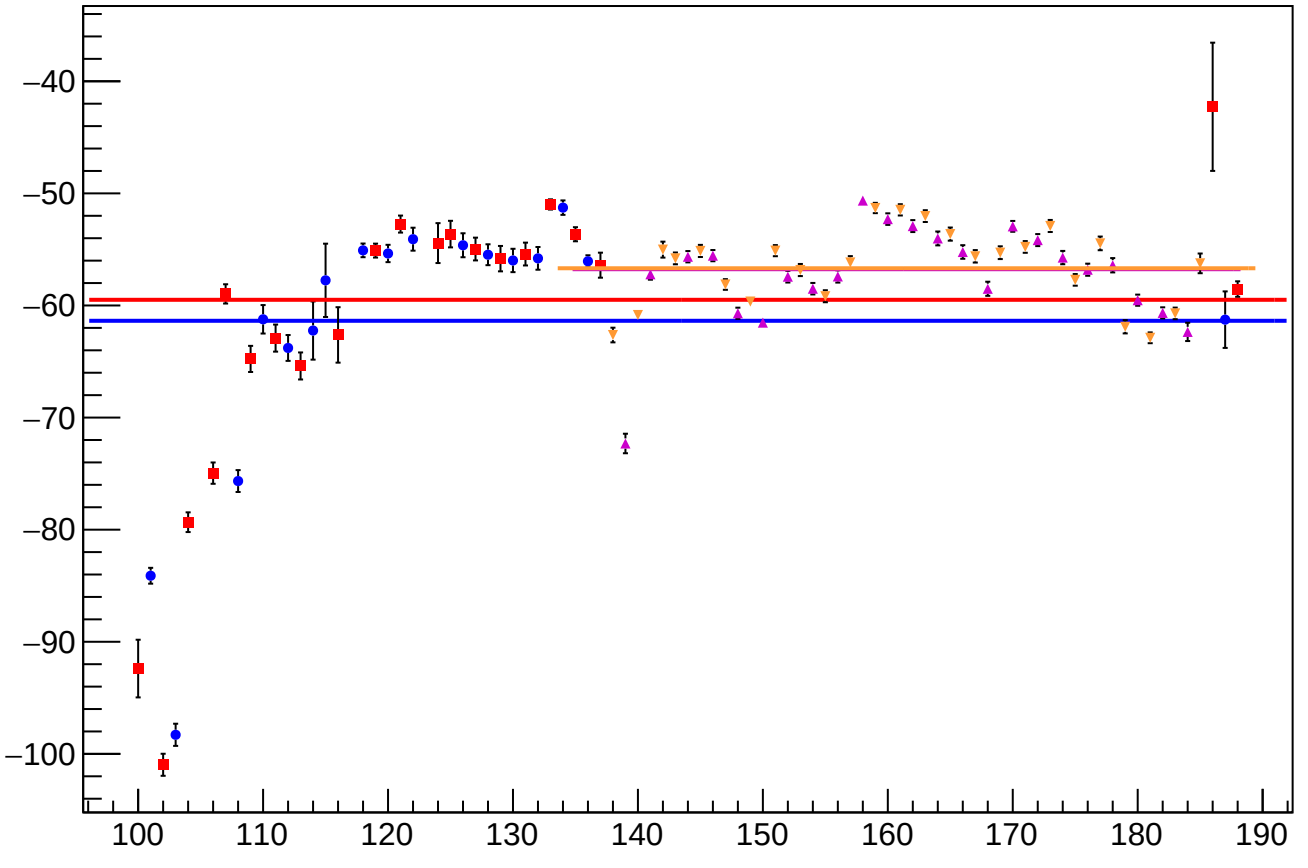
Left: 1.265+/-0.098 χ^2/NDF: 3228.0/47

Right: -1.204+/-0.141 χ^2/NDF: 288.4/37

In: 0.703+/-0.118 χ^2/NDF:1647.3/39

Out: 0.246+/-0.110 χ^2/NDF:2067.9/45

All: 0.460+/-0.080 χ^2/NDF: 3723.1/85



Right In: -61.366+/-0.218 χ^2/NDF: 3351.2/16

Left Out: -56.680+/-0.107 χ^2/NDF:1014.5/24

Right Out: -59.494+/-0.198 χ^2/NDF: 3432.5/20

Left In: -56.765+/-0.112 χ^2/NDF:1108.9/22

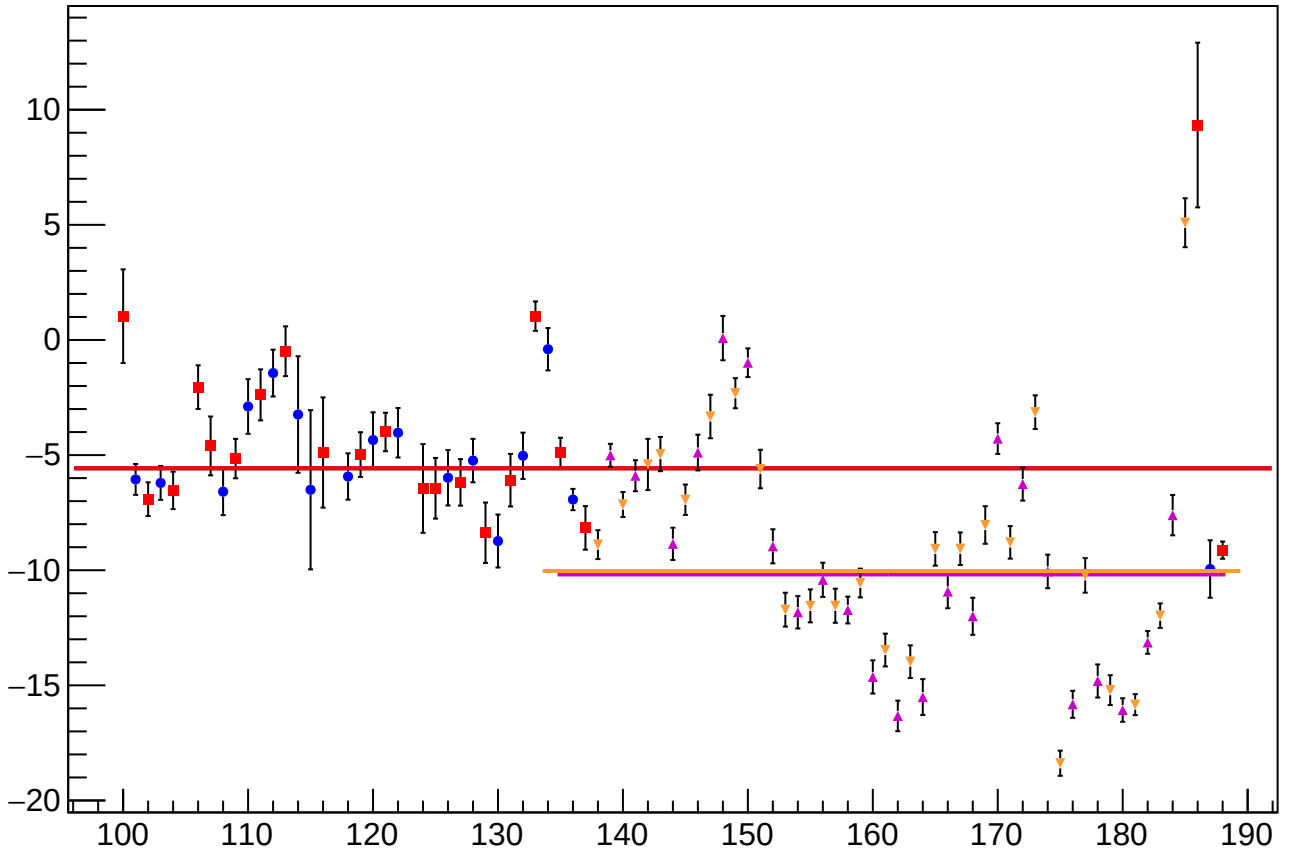
Left: -56.721+/-0.077 χ^2/NDF: 2123.6/47

Right: -60.339+/-0.147 χ^2/NDF: 6824.1/37

In: -57.724+/-0.100 χ^2/NDF:4812.1/39

Out: -57.319+/-0.094 χ^2/NDF:4603.3/45

All: -57.510+/-0.068 χ^2/NDF: 9424.1/85



Right In: -5.574+/-0.226 χ^2/NDF: 88.7/16

Left Out: -10.034+/-0.136 χ^2/NDF:1182.4/24

Right Out: -5.575+/-0.191 χ^2/NDF: 293.8/20

Left In: -10.184+/-0.139 χ^2/NDF:1142.6/22

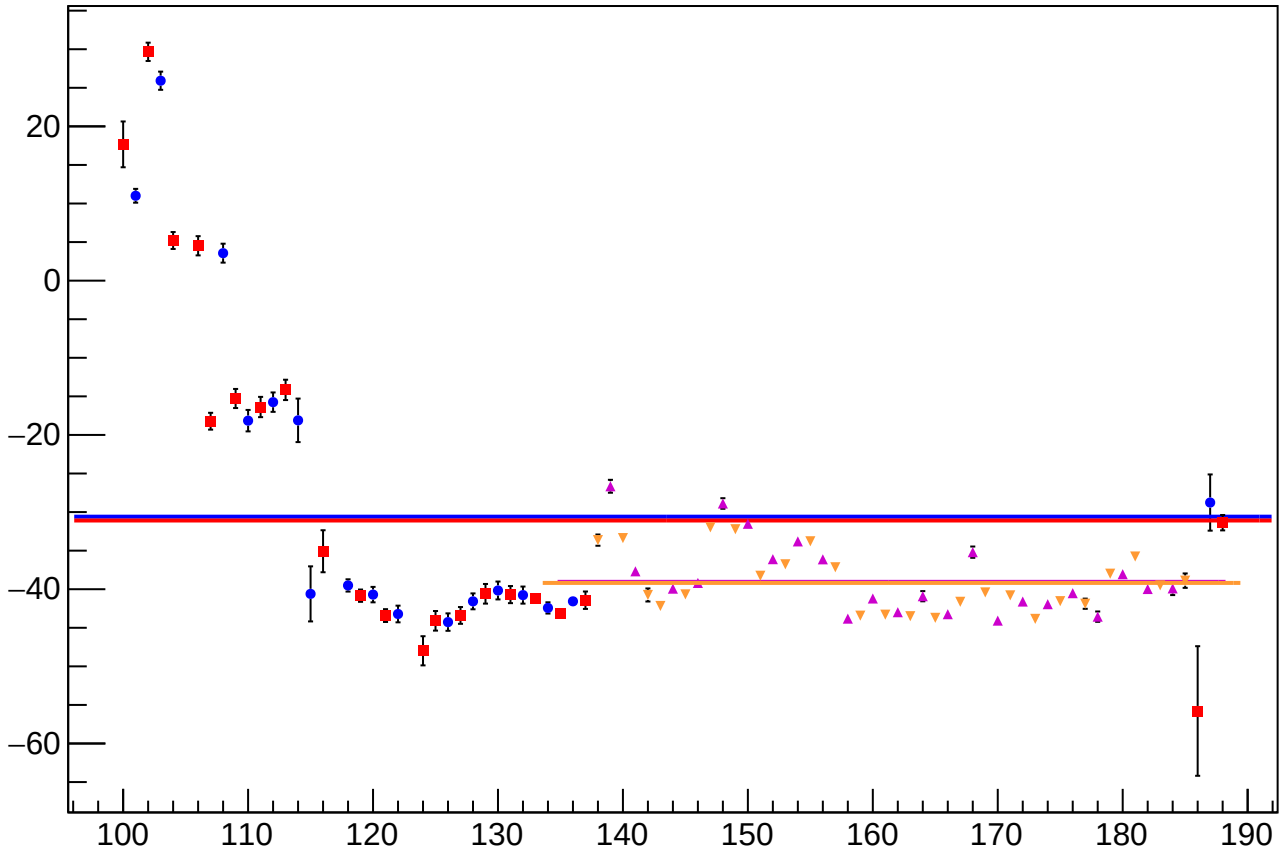
Left: -10.107+/-0.097 χ^2/NDF: 2325.6/47

Right: -5.574+/-0.146 χ^2/NDF: 382.4/37

In: -8.918+/-0.118 χ^2/NDF:1532.8/39

Out: -8.529+/-0.111 χ^2/NDF:1837.8/45

All: -8.711+/-0.081 χ^2/NDF: 3376.4/85



Right In: -30.596+/-0.249 χ^2/NDF: 6938.3/16

Left Out: -39.183+/-0.120 χ^2/NDF:1034.1/24

Right Out: -31.092+/-0.231 χ^2/NDF: 6985.2/20

Left In: -39.044+/-0.124 χ^2/NDF:1226.4/22

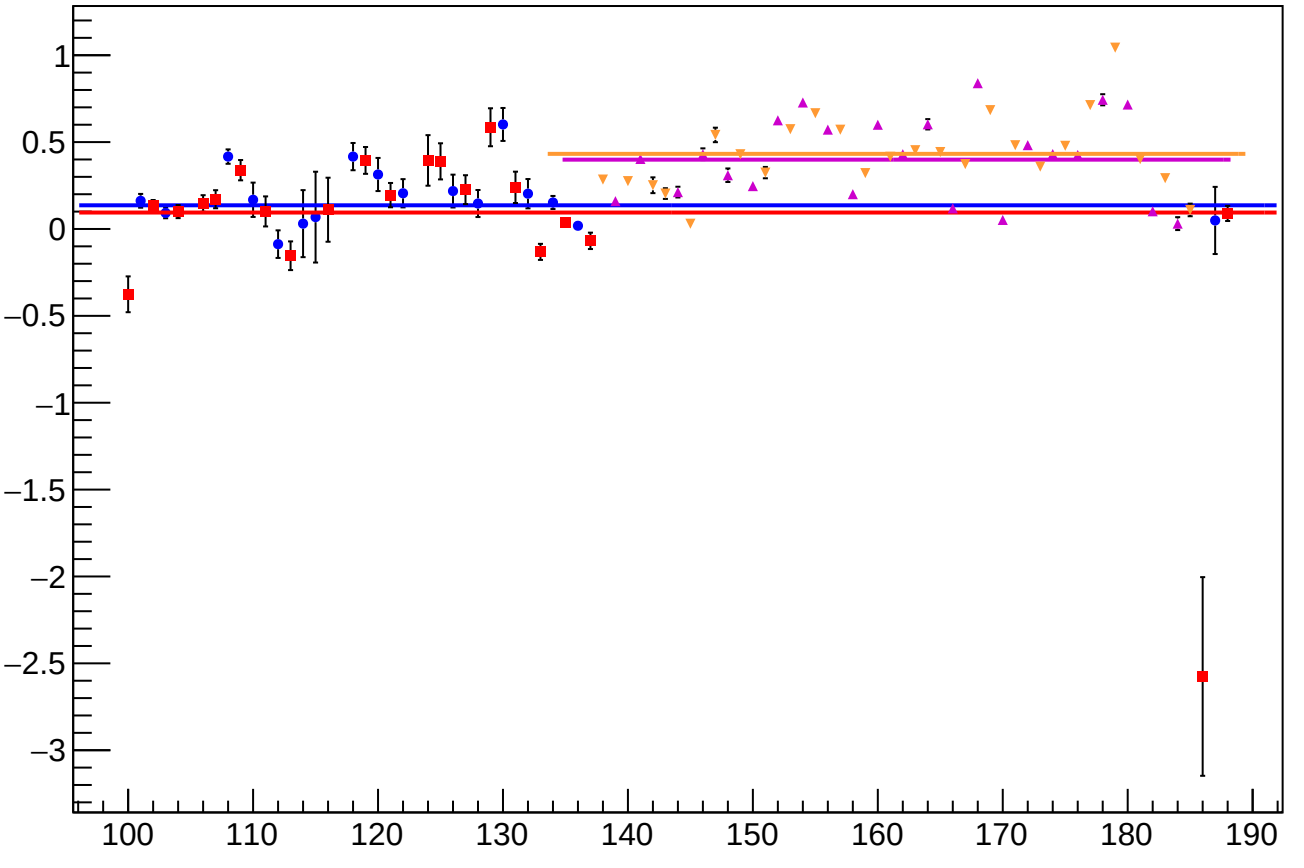
Left: -39.116+/-0.086 χ^2/NDF: 2261.1/47

Right: -30.862+/-0.169 χ^2/NDF: 13925.6/37

In: -37.358+/-0.111 χ^2/NDF:9087.3/39

Out: -37.466+/-0.107 χ^2/NDF:8984.0/45

All: -37.414+/-0.077 χ^2/NDF: 18071.8/85



Right In: 0.136+/-0.012 χ^2/NDF: 129.5/16

Left Out: 0.432+/-0.005 χ^2/NDF:1368.7/24

Right Out: 0.095+/-0.012 χ^2/NDF: 169.6/20

Left In: 0.399+/-0.005 χ^2/NDF:1923.8/22

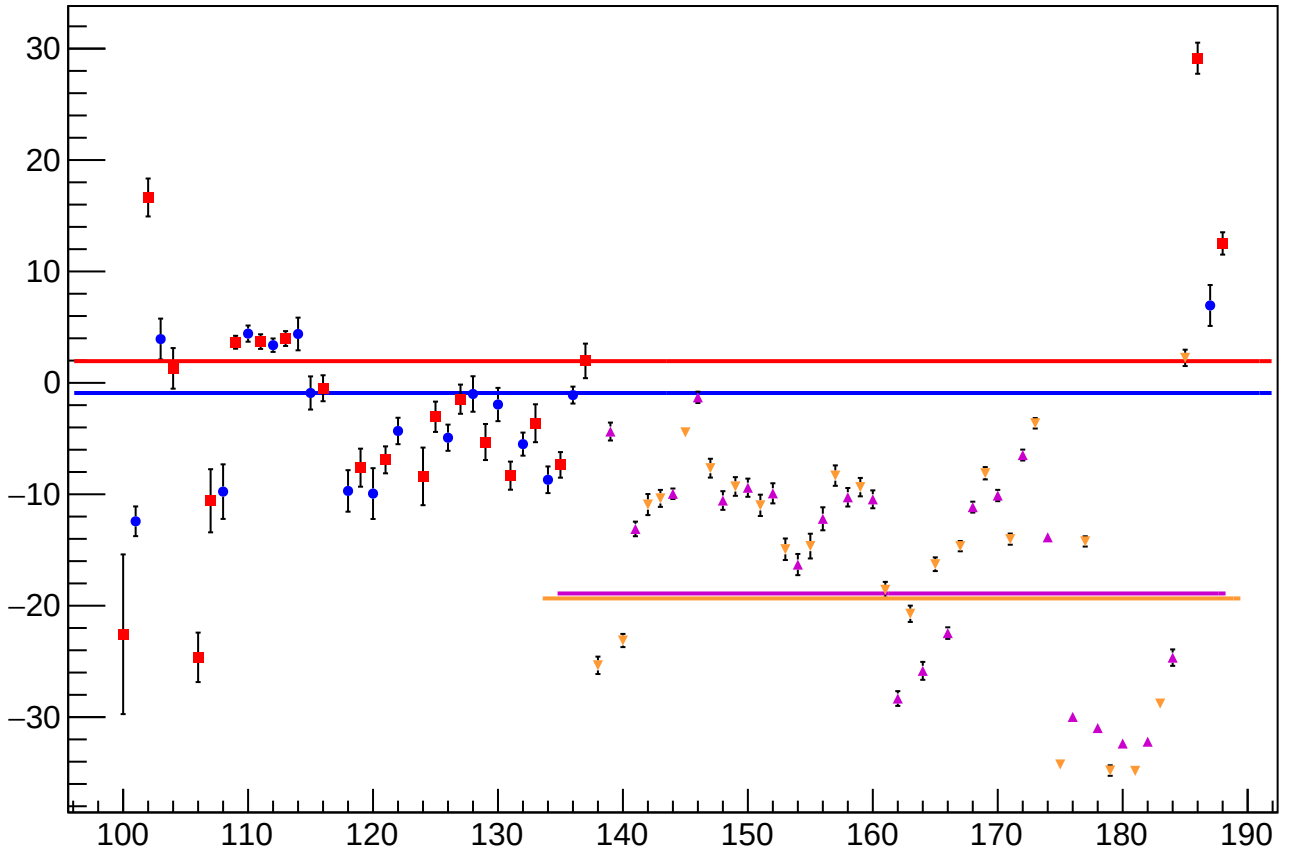
Left: 0.416+/-0.004 χ^2/NDF: 3312.1/47

Right: 0.114+/-0.009 χ^2/NDF: 304.9/37

In: 0.358+/-0.005 χ^2/NDF:2427.8/39

Out: 0.376+/-0.005 χ^2/NDF:2212.9/45

All: 0.367+/-0.003 χ^2/NDF: 4647.4/85



Right In: -0.909+/-0.277 χ^2/NDF: 350.7/16

Left Out: -19.347+/-0.113 χ^2/NDF:10394.7/24

Right Out: 1.950+/-0.253 χ^2/NDF: 1053.8/20

Left In: -18.902+/-0.116 χ^2/NDF:8286.2/22

Left: -19.130+/-0.081 χ^2/NDF: 18688.5/47

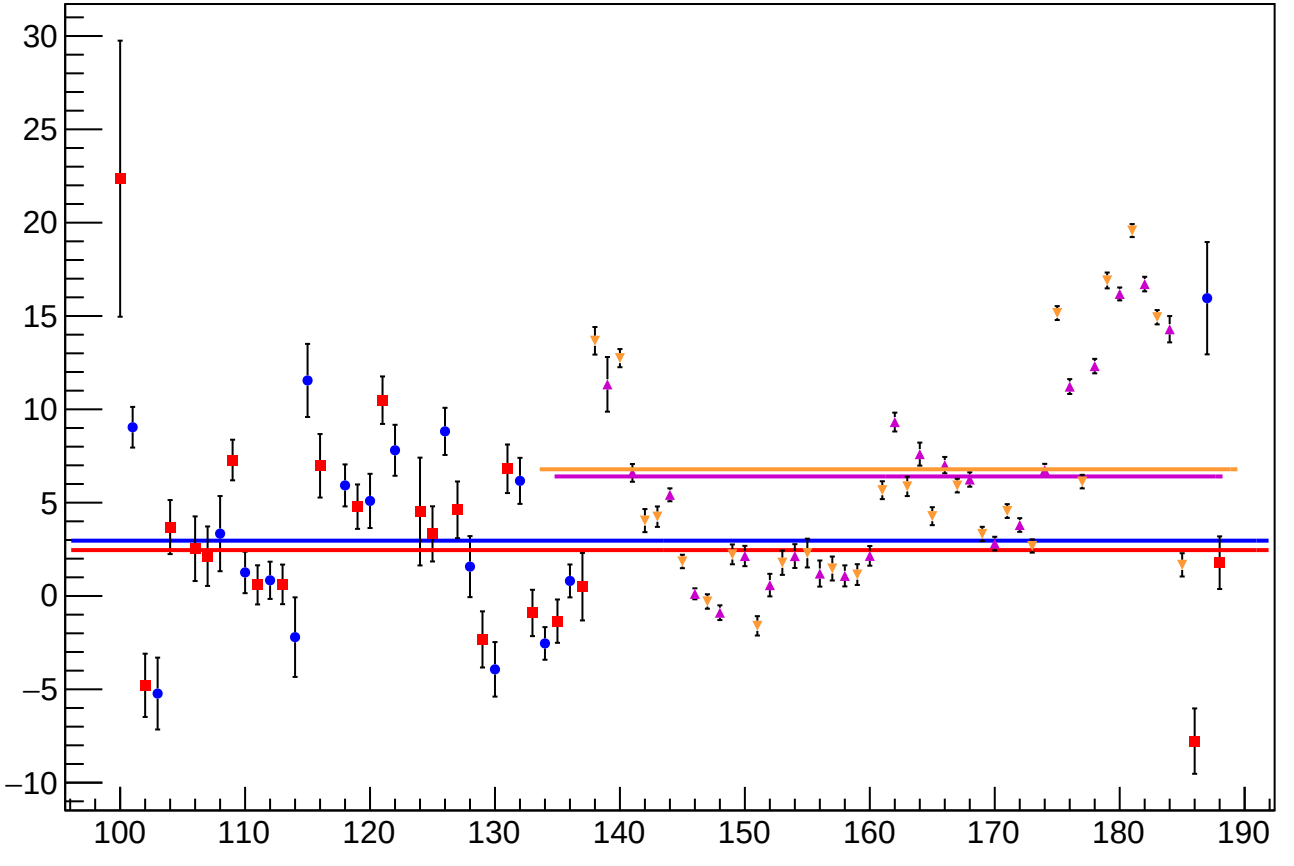
Right: 0.652+/-0.187 χ^2/NDF: 1462.5/37

In: -16.218+/-0.107 χ^2/NDF:12217.3/39

Out: -15.786+/-0.103 χ^2/NDF:17349.5/45

All: -15.995+/-0.074 χ^2/NDF: 29575.2/85

reg_asym_sam_37_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.964+/-0.312 χ^2/NDF: 218.4/16

Left Out: 6.788+/-0.090 χ^2/NDF:4632.5/24

Right Out: 2.458+/-0.309 χ^2/NDF: 180.7/20

Left In: 6.404+/-0.091 χ^2/NDF:3410.4/22

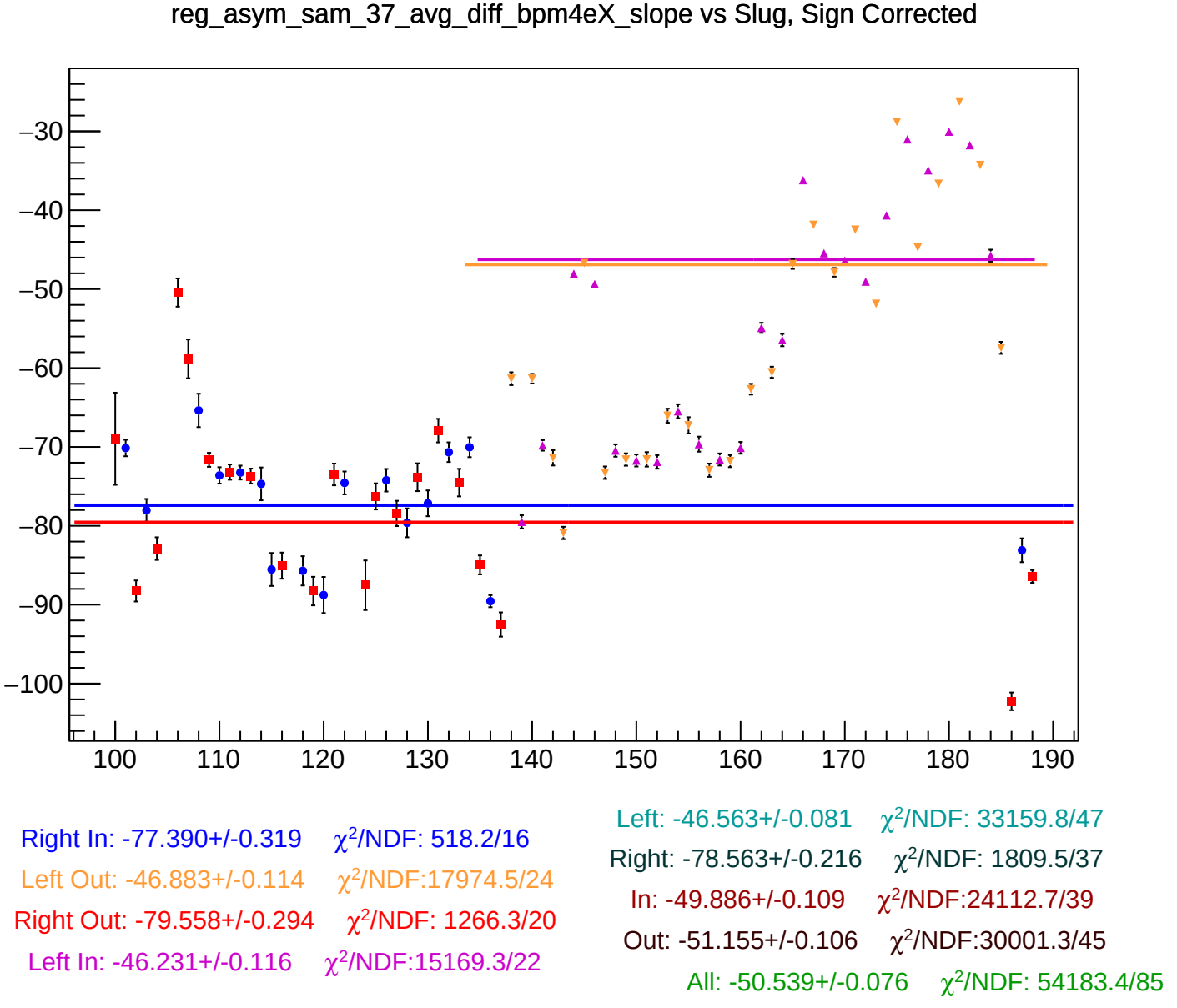
Left: 6.598+/-0.064 χ^2/NDF: 8051.9/47

Right: 2.709+/-0.220 χ^2/NDF: 400.5/37

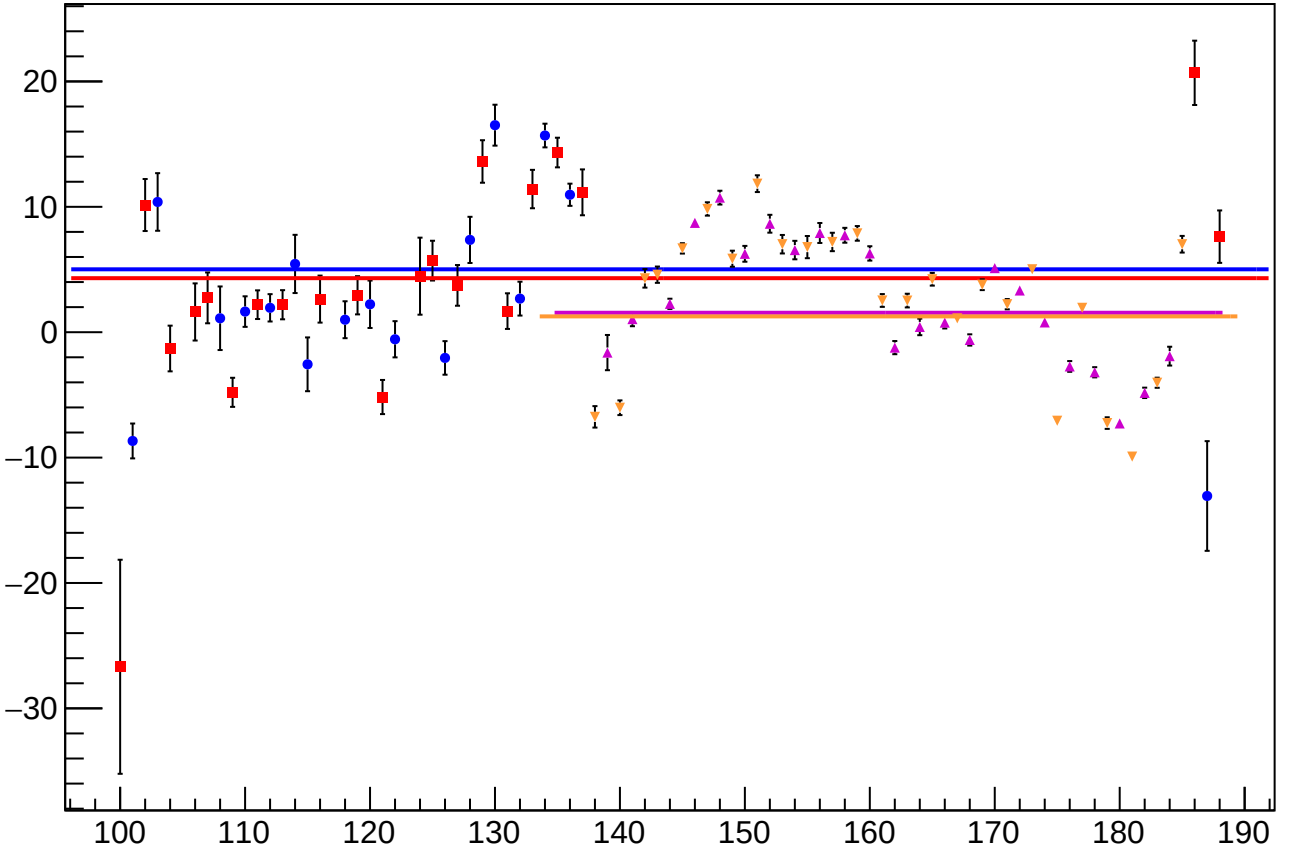
In: 6.133+/-0.088 χ^2/NDF:3741.0/39

Out: 6.449+/-0.087 χ^2/NDF:4993.9/45

All: 6.293+/-0.062 χ^2/NDF: 8741.6/85


reg_asym_sam_37_avg_diff_bpm4eX_slope vs Slug, Sign Corrected
−30
−40
−50
−60
−70
−80
−90
−100
100
110
120
130
140
150
160
170
180
190
Right In: -77.390+/-0.319 χ²/NDF: 518.2/16
Left Out: -46.883+/-0.114 χ²/NDF:17974.5/24
Right Out: -79.558+/-0.294 χ²/NDF: 1266.3/20
Left In: -46.231+/-0.116 χ²/NDF:15169.3/22
Left: -46.563+/-0.081 χ²/NDF: 33159.8/47
Right: -78.563+/-0.216 χ²/NDF: 1809.5/37
In: -49.886+/-0.109 χ²/NDF:24112.7/39
Out: -51.155+/-0.106 χ²/NDF:30001.3/45
All: -50.539+/-0.076 χ²/NDF: 54183.4/85

reg_asym_sam_37_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 5.016+/-0.349 χ^2/NDF: 429.5/16

Left Out: 1.261+/-0.100 χ^2/NDF:3445.7/24

Right Out: 4.309+/-0.353 χ^2/NDF: 336.1/20

Left In: 1.551+/-0.102 χ^2/NDF:2335.7/22

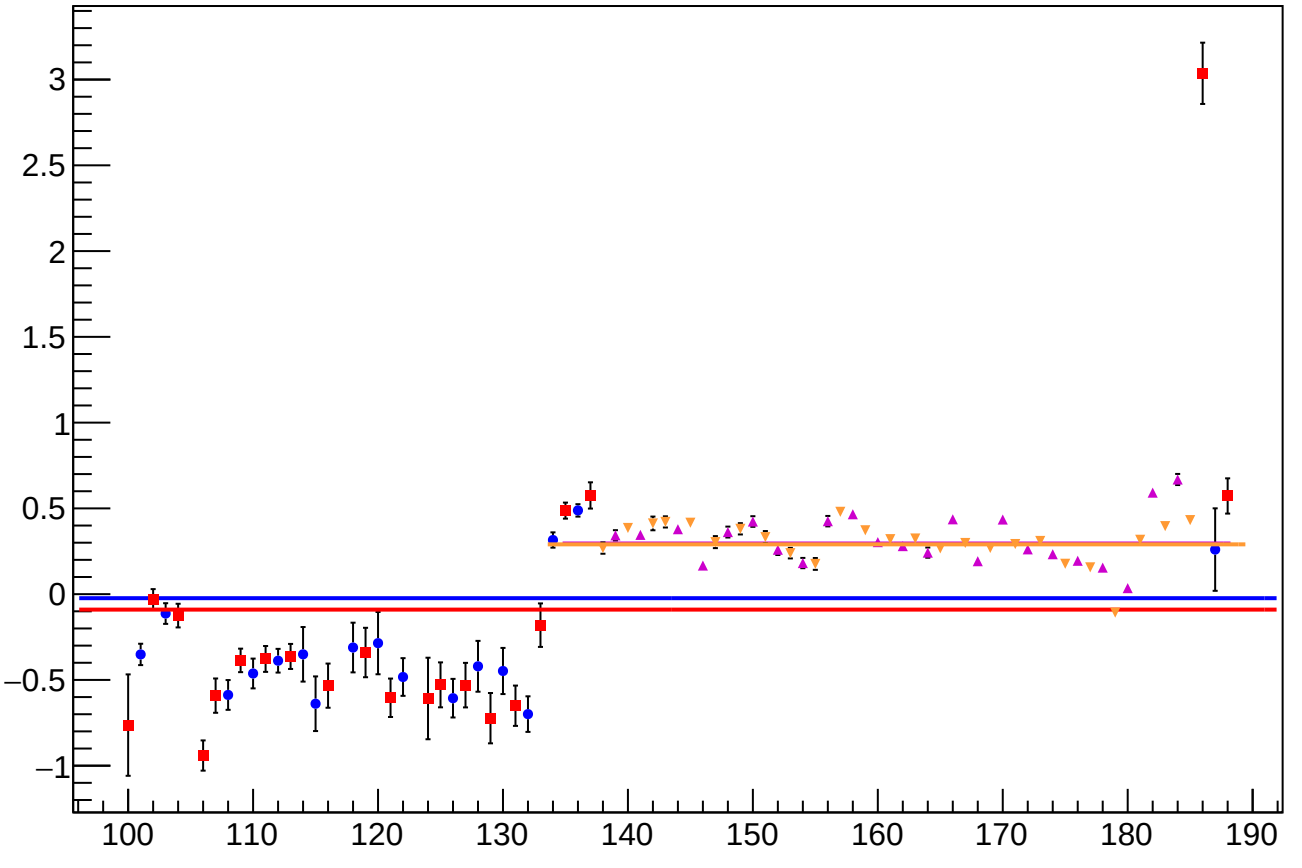
Left: 1.404+/-0.072 χ^2/NDF: 5785.4/47

Right: 4.667+/-0.248 χ^2/NDF: 767.7/37

In: 1.824+/-0.098 χ^2/NDF:2856.2/39

Out: 1.490+/-0.097 χ^2/NDF:3850.8/45

All: 1.655+/-0.069 χ^2/NDF: 6713.0/85



Right In: -0.023+/-0.019 χ^2/NDF: 513.8/16

Left Out: 0.290+/-0.004 χ^2/NDF:719.3/24

Right Out: -0.090+/-0.020 χ^2/NDF: 853.3/20

Left In: 0.295+/-0.005 χ^2/NDF:1035.4/22

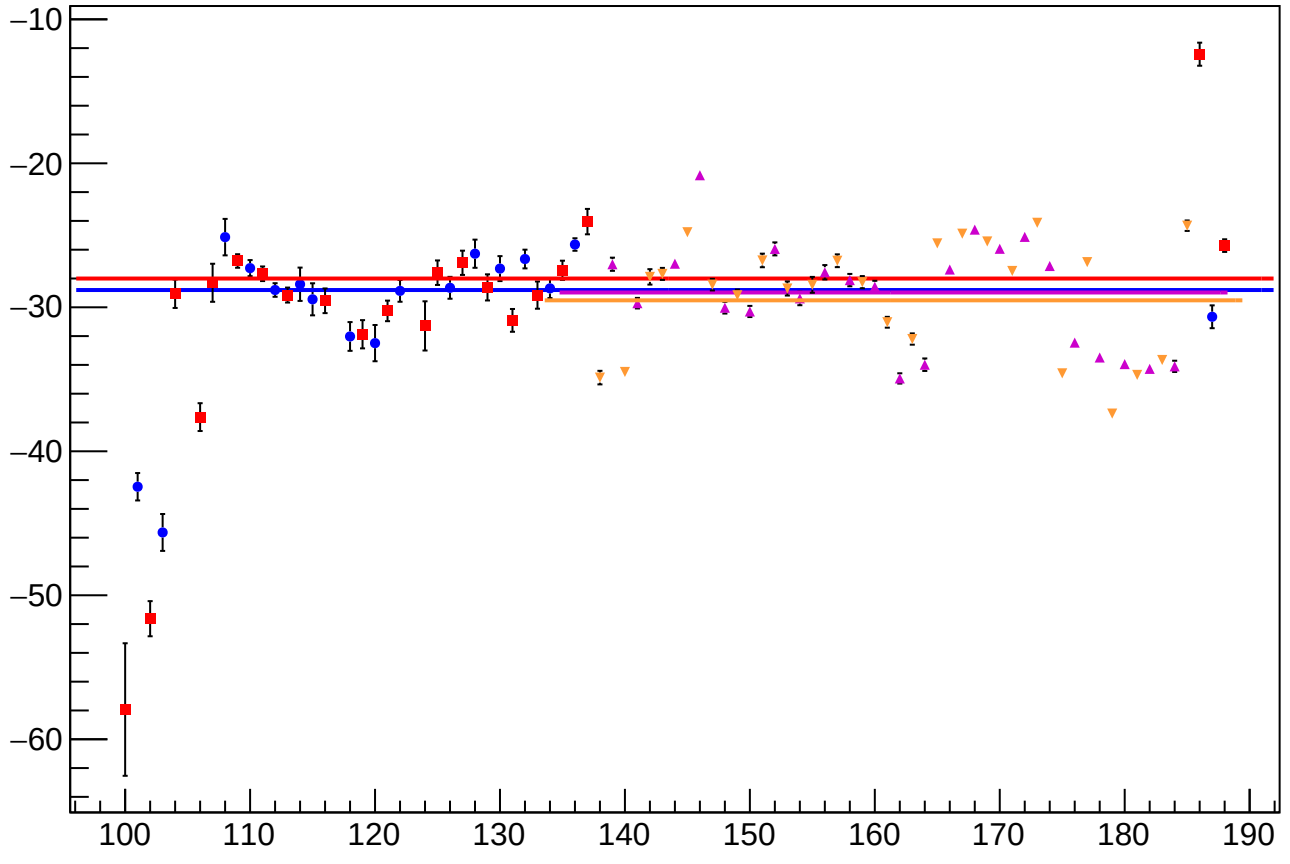
Left: 0.293+/-0.003 χ^2/NDF: 1755.3/47

Right: -0.055+/-0.014 χ^2/NDF: 1373.1/37

In: 0.278+/-0.004 χ^2/NDF:1818.6/39

Out: 0.272+/-0.004 χ^2/NDF:1926.8/45

All: 0.275+/-0.003 χ^2/NDF: 3746.4/85



Right In: -28.801+/-0.181 χ^2/NDF: 493.1/16

Left Out: -29.516+/-0.056 χ^2/NDF:6088.5/24

Right Out: -28.002+/-0.164 χ^2/NDF: 1005.5/20

Left In: -28.971+/-0.057 χ^2/NDF:5348.6/22

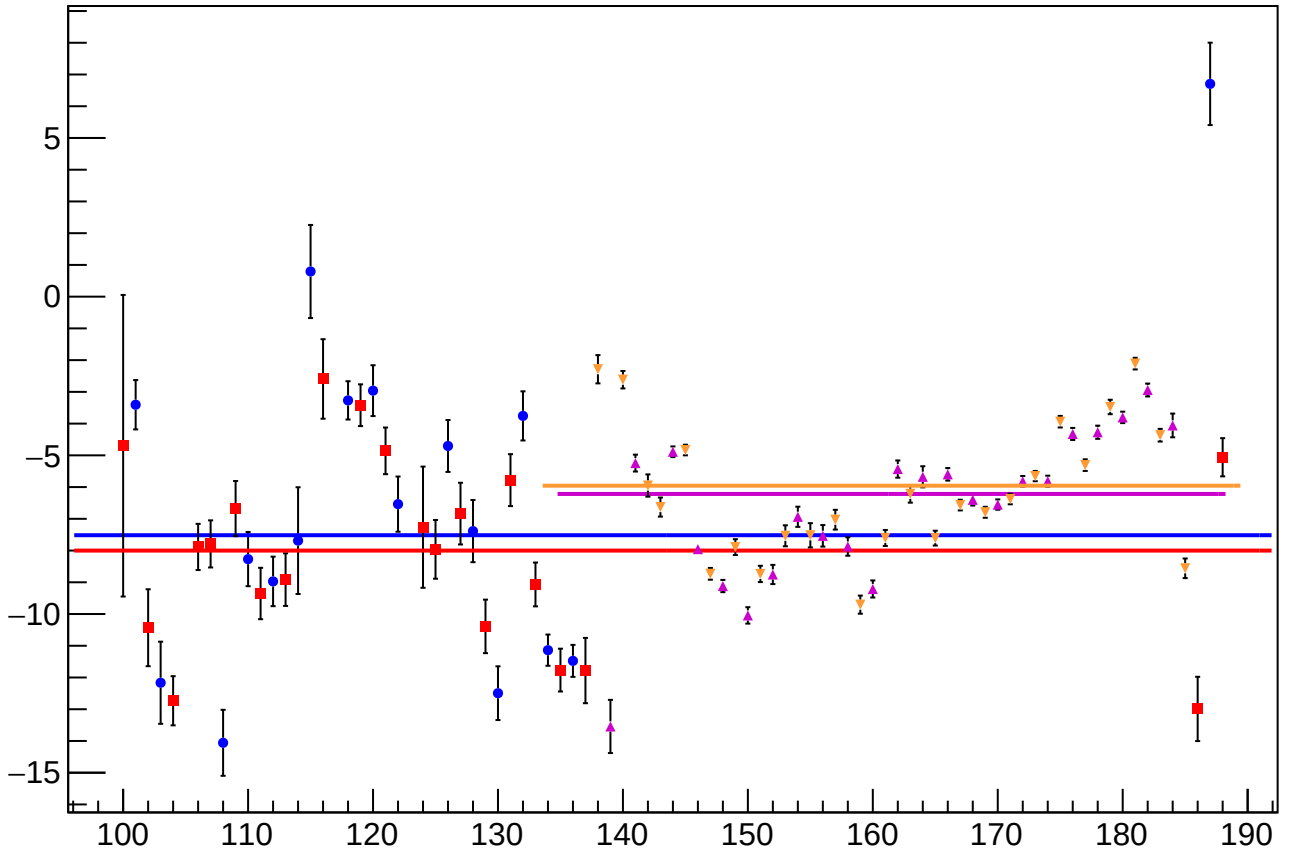
Left: -29.247+/-0.040 χ^2/NDF: 11483.3/47

Right: -28.362+/-0.122 χ^2/NDF: 1509.3/37

In: -28.955+/-0.054 χ^2/NDF:5842.5/39

Out: -29.356+/-0.053 χ^2/NDF:7170.2/45

All: -29.160+/-0.038 χ^2/NDF: 13040.4/85



Right In: -7.517+/-0.193 χ^2/NDF: 505.9/16

Left Out: -5.956+/-0.044 χ^2/NDF:1857.8/24

Right Out: -8.001+/-0.184 χ^2/NDF: 245.9/20

Left In: -6.217+/-0.044 χ^2/NDF:1741.8/22

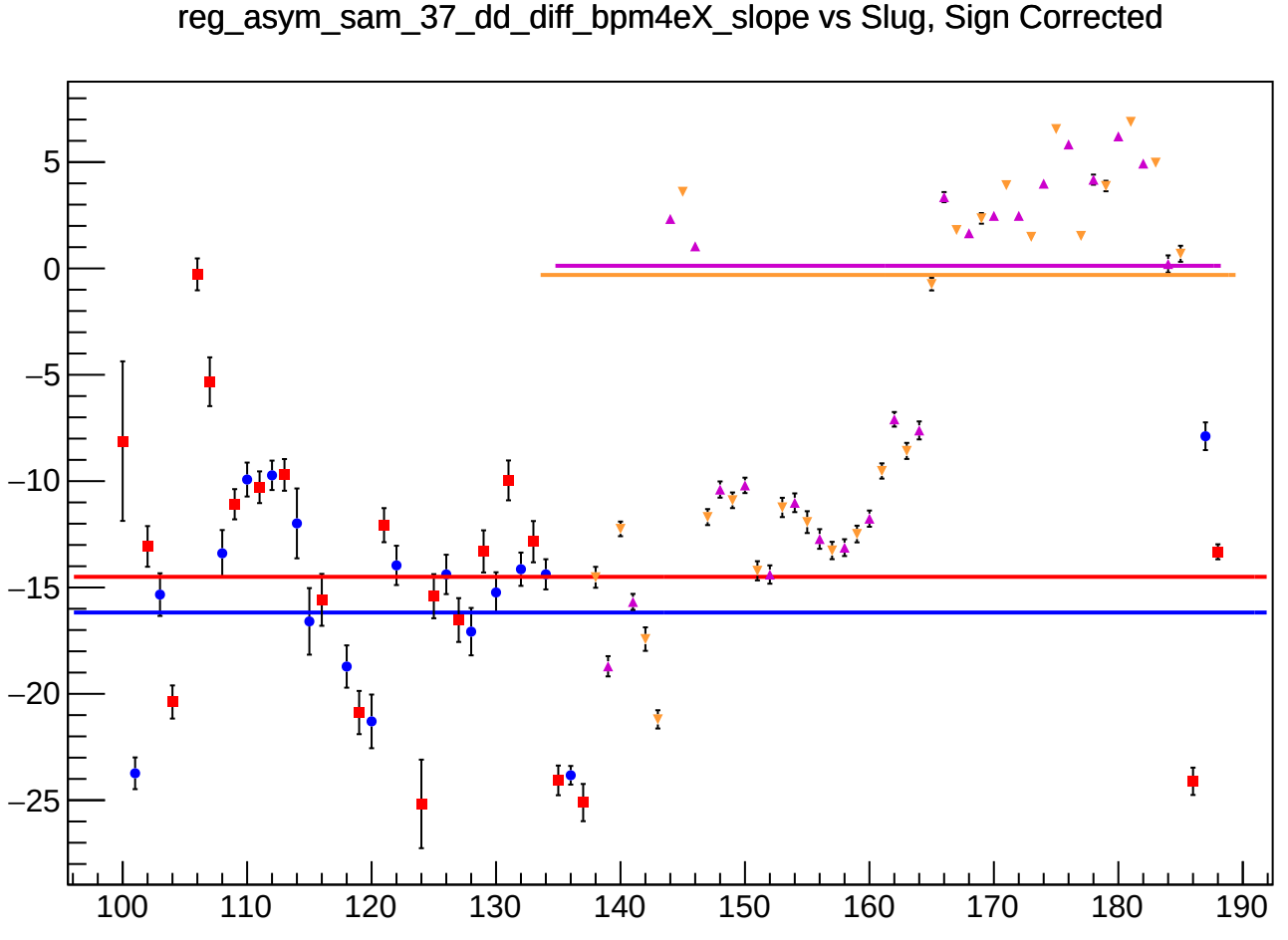
Left: -6.087+/-0.031 χ^2/NDF: 3616.9/47

Right: -7.770+/-0.133 χ^2/NDF: 755.1/37

In: -6.282+/-0.043 χ^2/NDF:2290.8/39

Out: -6.069+/-0.043 χ^2/NDF:2220.6/45

All: -6.176+/-0.030 χ^2/NDF: 4523.6/85



Right In: -16.176+/-0.199 χ^2/NDF: 779.8/16

Left Out: -0.306+/-0.057 χ^2/NDF:17181.6/24

Right Out: -14.499+/-0.173 χ^2/NDF: 1261.0/20

Left In: 0.125+/-0.057 χ^2/NDF:13838.6/22

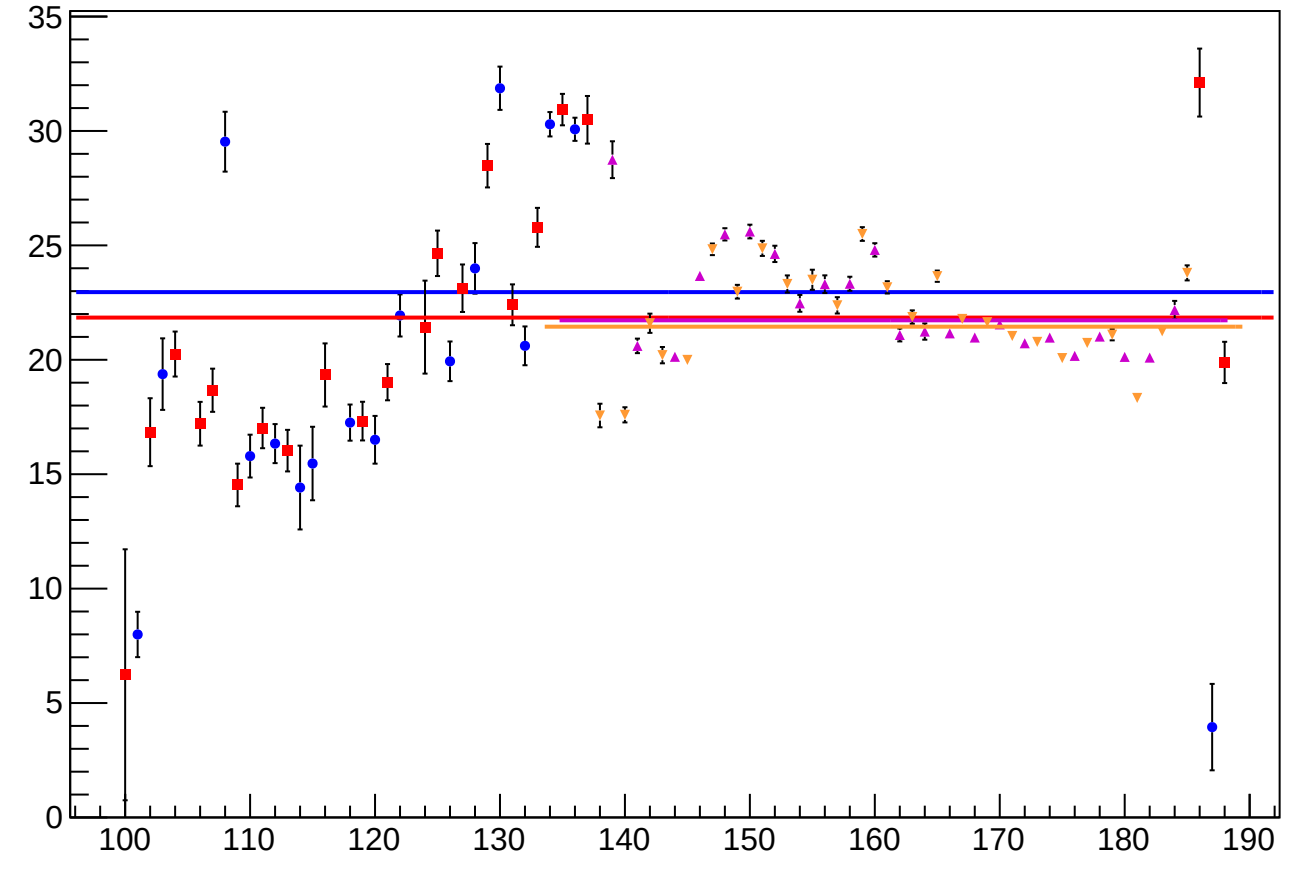
Left: -0.092+/-0.040 χ^2/NDF: 31049.0/47

Right: -15.221+/-0.131 χ^2/NDF: 2081.1/37

In: -1.107+/-0.055 χ^2/NDF:20801.3/39

Out: -1.672+/-0.054 χ^2/NDF:24501.4/45

All: -1.395+/-0.038 χ^2/NDF: 45356.7/85



Right In: 22.958+/-0.217 χ^2/NDF: 1110.9/16

Left Out: 21.447+/-0.050 χ^2/NDF:1325.2/24

Right Out: 21.844+/-0.215 χ^2/NDF: 611.0/20

Left In: 21.725+/-0.050 χ^2/NDF:1173.7/22

Left: 21.586+/-0.035 χ^2/NDF: 2514.7/47

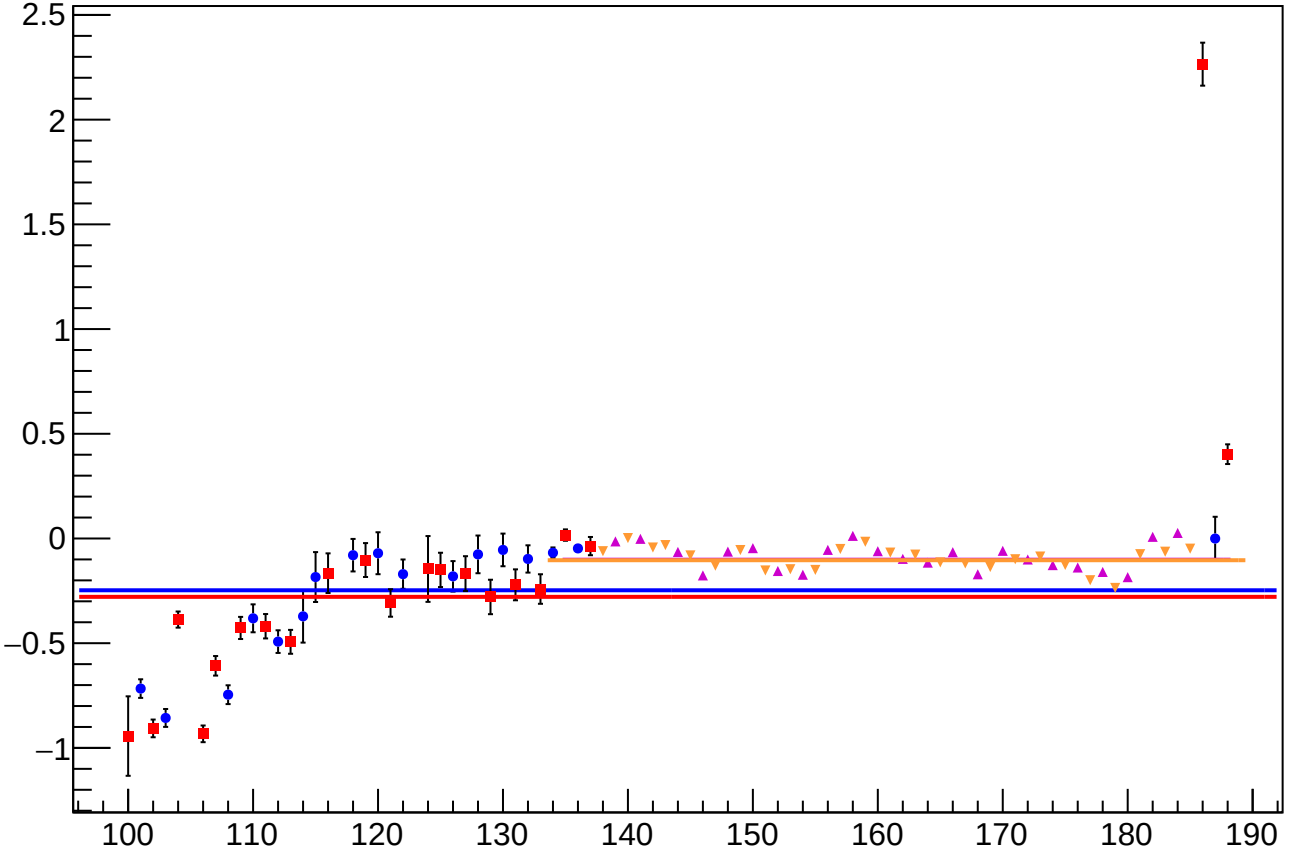
Right: 22.398+/-0.153 χ^2/NDF: 1735.2/37

In: 21.787+/-0.048 χ^2/NDF:2315.4/39

Out: 21.467+/-0.048 χ^2/NDF:1939.5/45

All: 21.626+/-0.034 χ^2/NDF: 4276.8/85

reg_asym_sam_37_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.247+/-0.012 χ^2/NDF: 639.3/16

Left Out: -0.104+/-0.002 χ^2/NDF:547.4/24

Right Out: -0.279+/-0.012 χ^2/NDF: 1574.0/20

Left In: -0.101+/-0.002 χ^2/NDF:757.6/22

Left: -0.103+/-0.002 χ^2/NDF: 1305.7/47

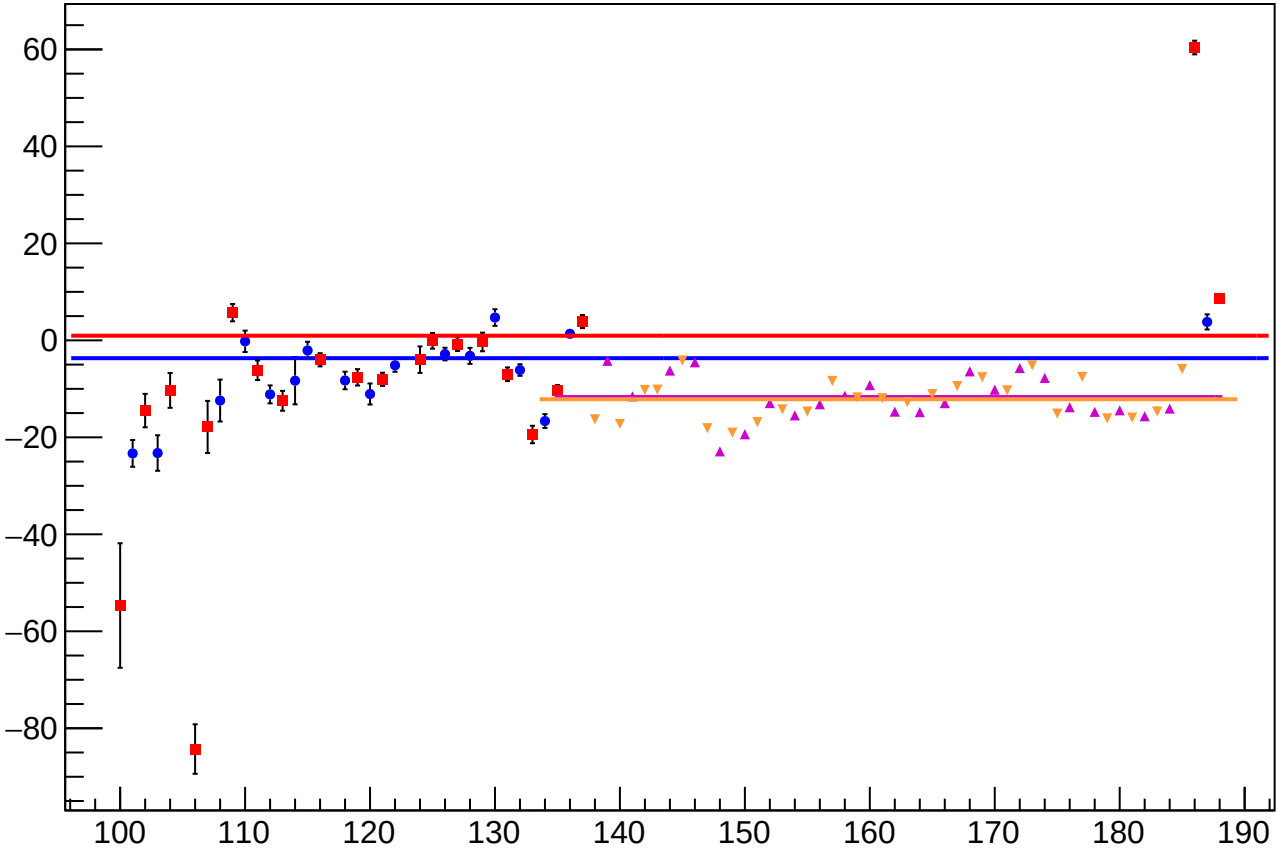
Right: -0.263+/-0.008 χ^2/NDF: 2216.8/37

In: -0.107+/-0.002 χ^2/NDF:1550.0/39

Out: -0.110+/-0.002 χ^2/NDF:2331.5/45

All: -0.108+/-0.002 χ^2/NDF: 3882.5/85

reg_asym_sam_26_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -3.676+/-0.371 χ^2/NDF: 312.3/16

Left Out: -12.143+/-0.092 χ^2/NDF:2130.5/24

Right Out: 0.956+/-0.353 χ^2/NDF: 2634.4/20

Left In: -11.698+/-0.094 χ^2/NDF:1951.0/22

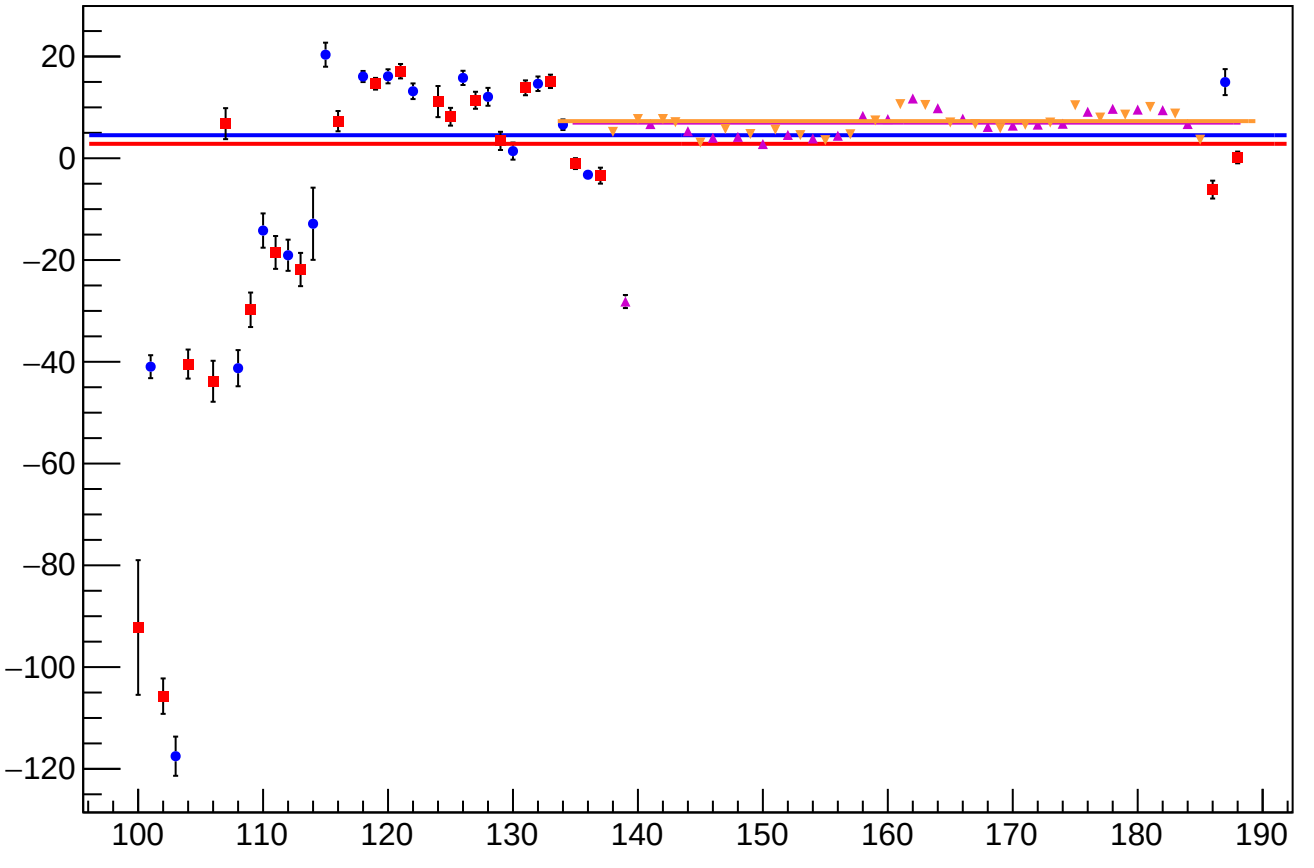
Left: -11.927+/-0.066 χ^2/NDF: 4092.9/47

Right: -1.249+/-0.256 χ^2/NDF: 3028.5/37

In: -11.211+/-0.091 χ^2/NDF:2702.9/39

Out: -11.320+/-0.089 χ^2/NDF:6052.2/45

All: -11.267+/-0.064 χ^2/NDF: 8755.9/85



Right In: 4.530+/-0.381 χ^2/NDF: 2186.2/16

Left Out: 7.297+/-0.075 χ^2/NDF:822.9/24

Right Out: 2.838+/-0.387 χ^2/NDF: 2043.1/20

Left In: 7.004+/-0.076 χ^2/NDF:1576.0/22

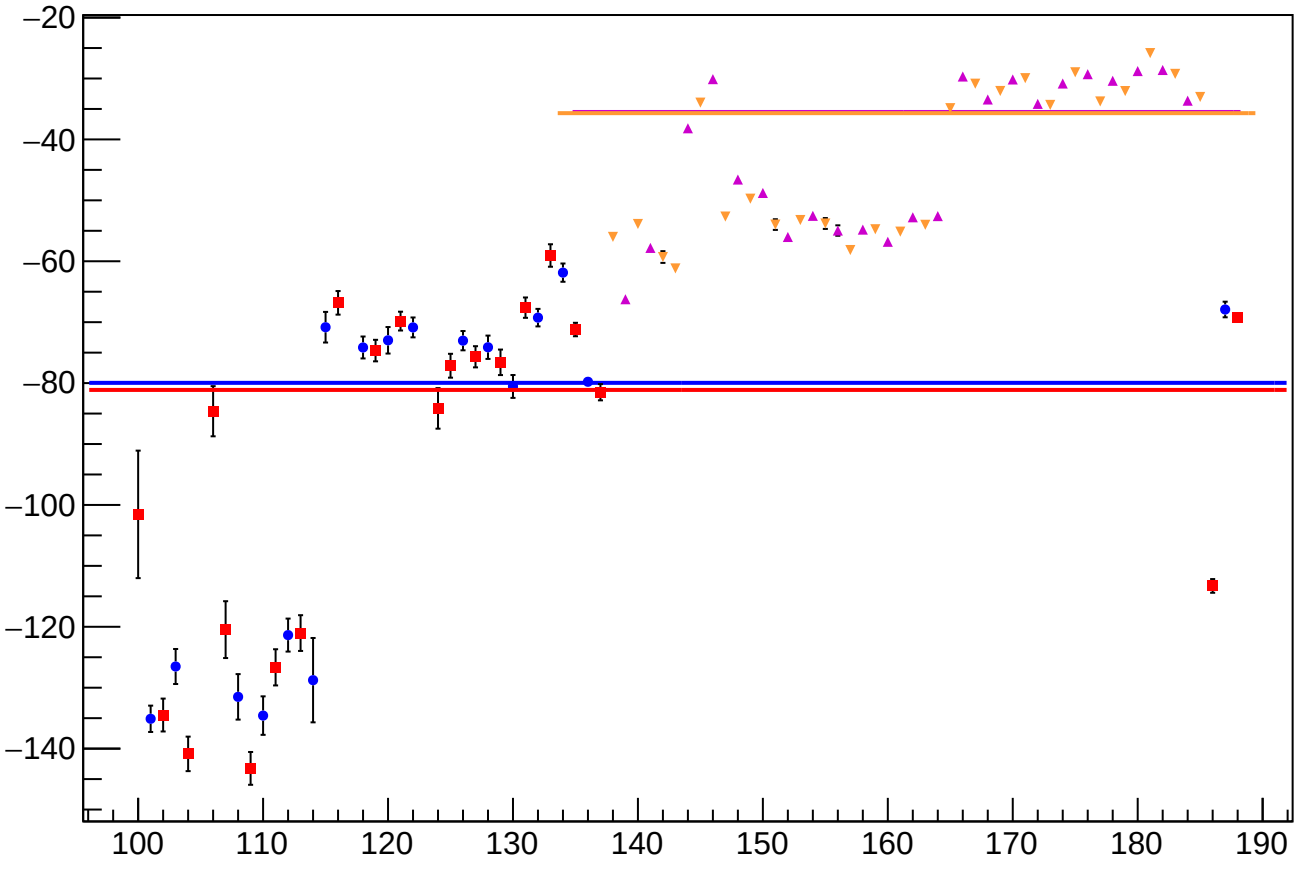
Left: 7.153+/-0.053 χ^2/NDF: 2406.4/47

Right: 3.697+/-0.271 χ^2/NDF: 4239.1/37

In: 6.910+/-0.075 χ^2/NDF:3802.8/39

Out: 7.136+/-0.074 χ^2/NDF:2994.0/45

All: 7.024+/-0.052 χ^2/NDF: 6801.5/85



Right In: -79.958+/-0.396 χ^2/NDF: 2068.7/16

Left Out: -35.690+/-0.092 χ^2/NDF:12778.3/24

Right Out: -81.120+/-0.359 χ^2/NDF: 3437.4/20

Left In: -35.497+/-0.095 χ^2/NDF:11162.0/22

Left: -35.596+/-0.066 χ^2/NDF: 23942.5/47

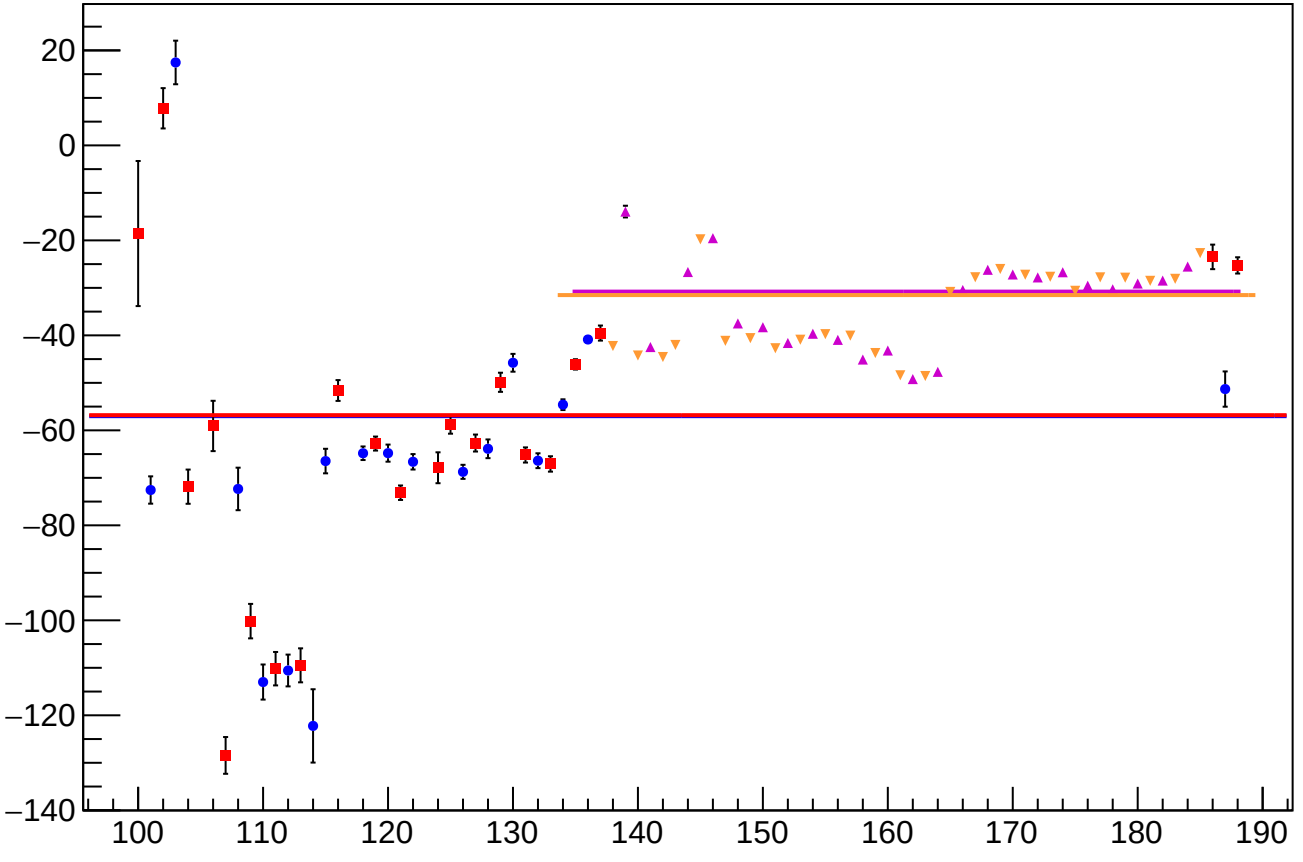
Right: -80.597+/-0.266 χ^2/NDF: 5510.8/37

In: -37.892+/-0.092 χ^2/NDF:25133.4/39

Out: -38.507+/-0.089 χ^2/NDF:31259.5/45

All: -38.209+/-0.064 χ^2/NDF: 56415.8/85

reg_asym_sam_26_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -57.014+/-0.423 χ^2/NDF: 1529.2/16

Left Out: -31.520+/-0.083 χ^2/NDF:8457.7/24

Right Out: -56.805+/-0.446 χ^2/NDF: 2148.7/20

Left In: -30.789+/-0.084 χ^2/NDF:7548.8/22

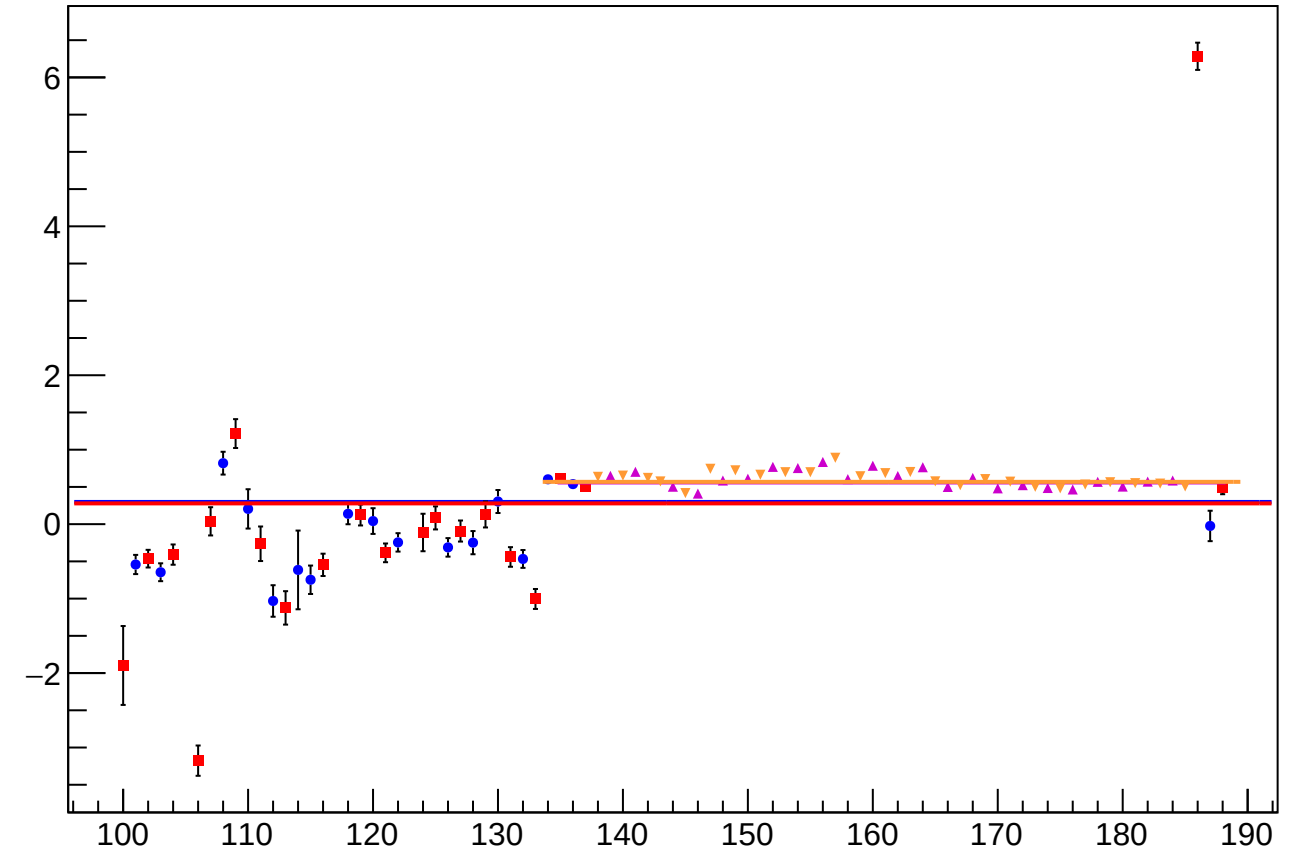
Left: -31.161+/-0.059 χ^2/NDF: 16044.8/47

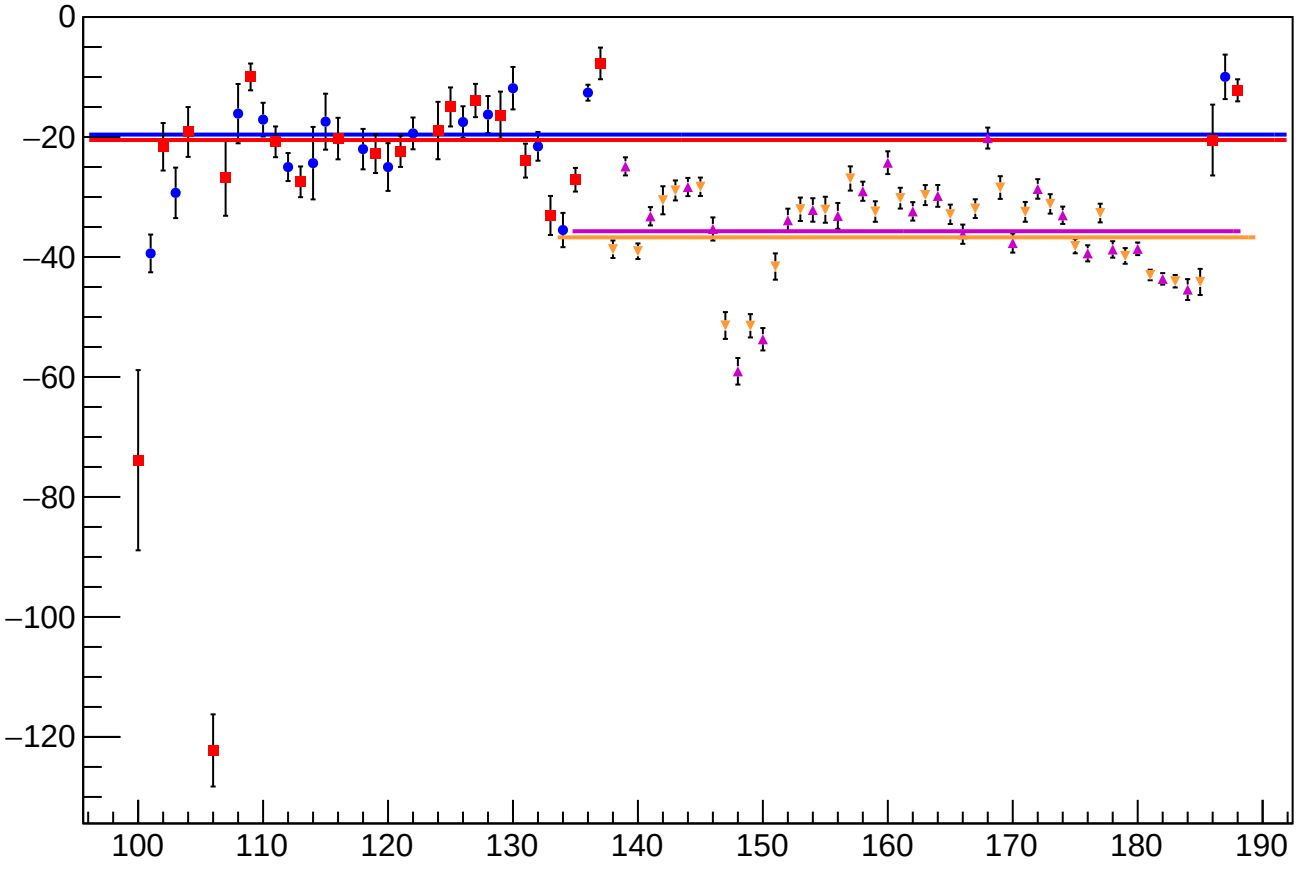
Right: -56.915+/-0.307 χ^2/NDF: 3678.0/37

In: -31.791+/-0.083 χ^2/NDF:12775.6/39

Out: -32.361+/-0.081 χ^2/NDF:13707.8/45

All: -32.080+/-0.058 χ^2/NDF: 26507.5/85


reg_asym_sam_26_avg_diff_bpm12X_slope vs Slug, Sign Corrected
6
4
2
0
−2
100
110
120
130
140
150
160
170
180
190
Right In: 0.298+/-0.023 χ²/NDF: 377.4/16
Left Out: 0.568+/-0.004 χ²/NDF:554.5/24
Right Out: 0.279+/-0.025 χ²/NDF: 1787.5/20
Left In: 0.560+/-0.004 χ²/NDF:671.5/22
Left: 0.564+/-0.003 χ²/NDF: 1228.5/47
Right: 0.289+/-0.017 χ²/NDF: 2165.2/37
In: 0.553+/-0.004 χ²/NDF:1177.1/39
Out: 0.562+/-0.004 χ²/NDF:2472.8/45
All: 0.558+/-0.003 χ²/NDF: 3653.0/85



Right In: -19.597+/-0.683 χ^2/NDF: 127.5/16

Left Out: -36.724+/-0.310 χ^2/NDF:420.8/24

Right Out: -20.500+/-0.661 χ^2/NDF: 411.7/20

Left In: -35.706+/-0.323 χ^2/NDF:578.6/22

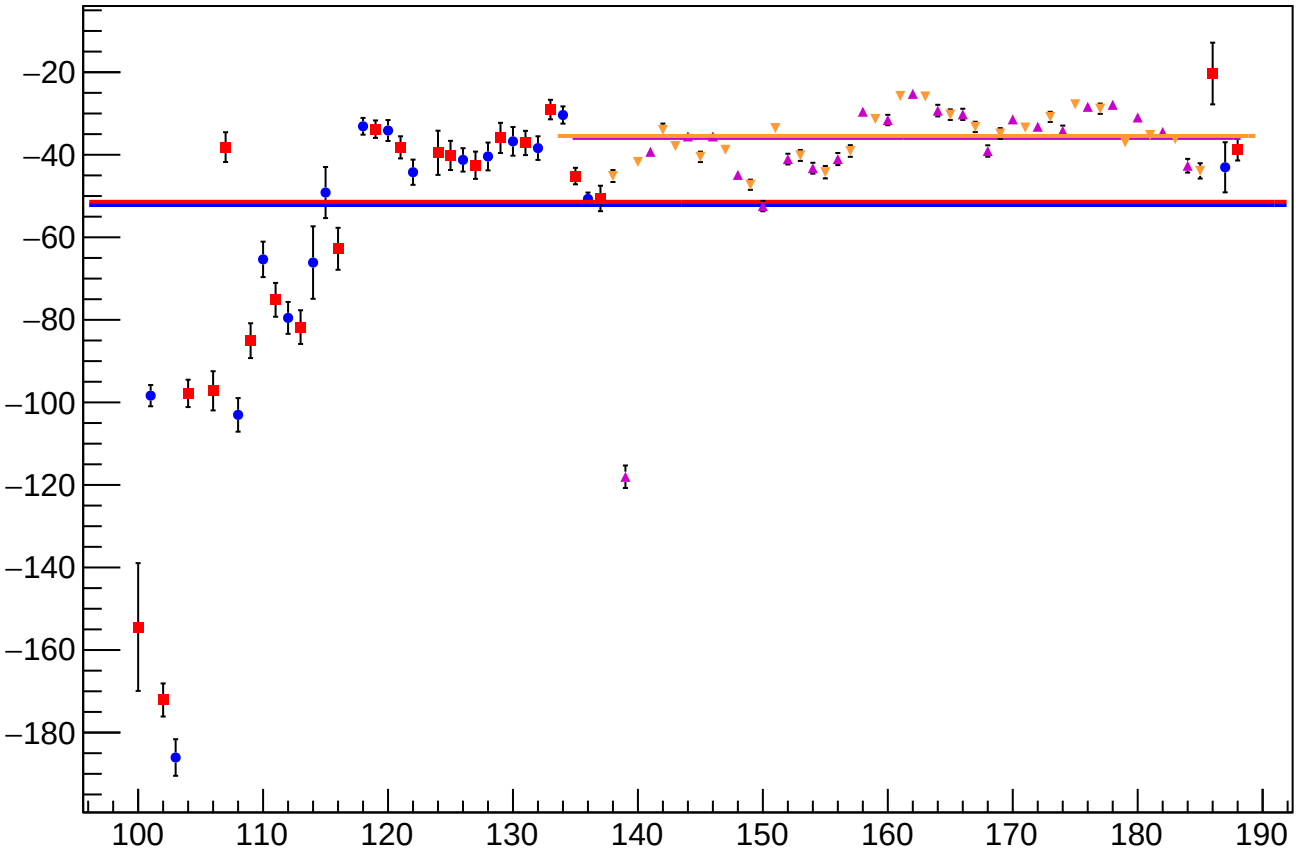
Left: -36.236+/-0.224 χ^2/NDF: 1004.6/47

Right: -20.063+/-0.475 χ^2/NDF: 540.1/37

In: -32.759+/-0.292 χ^2/NDF:1160.8/39

Out: -33.797+/-0.281 χ^2/NDF:1326.0/45

All: -33.298+/-0.202 χ^2/NDF: 2493.3/85



Right In: -52.172+/-0.703 χ^2/NDF: 1780.5/16

Left Out: -35.442+/-0.245 χ^2/NDF:537.8/24

Right Out: -51.396+/-0.716 χ^2/NDF: 1706.3/20

Left In: -35.913+/-0.256 χ^2/NDF:1543.1/22

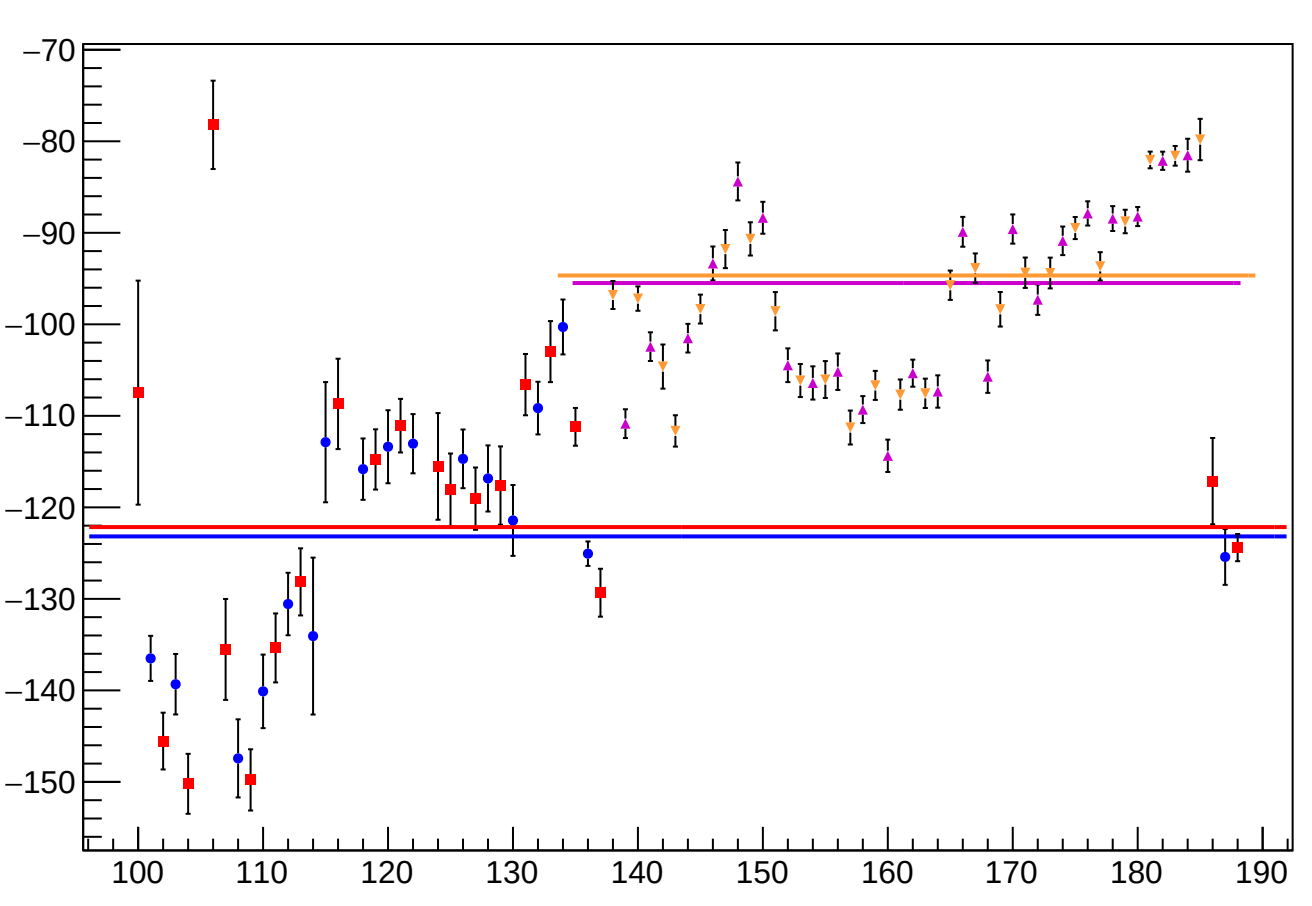
Left: -35.667+/-0.177 χ^2/NDF: 2082.7/47

Right: -51.791+/-0.502 χ^2/NDF: 3487.4/37

In: -37.817+/-0.241 χ^2/NDF:3795.4/39

Out: -37.112+/-0.232 χ^2/NDF:2688.4/45

All: -37.451+/-0.167 χ^2/NDF: 6488.2/85



Right In: -123.175+/-0.728 χ^2/NDF: 227.4/16

Left Out: -94.663+/-0.310 χ^2/NDF:900.1/24

Right Out: -122.156+/-0.697 χ^2/NDF: 428.4/20

Left In: -95.489+/-0.321 χ^2/NDF:970.1/22

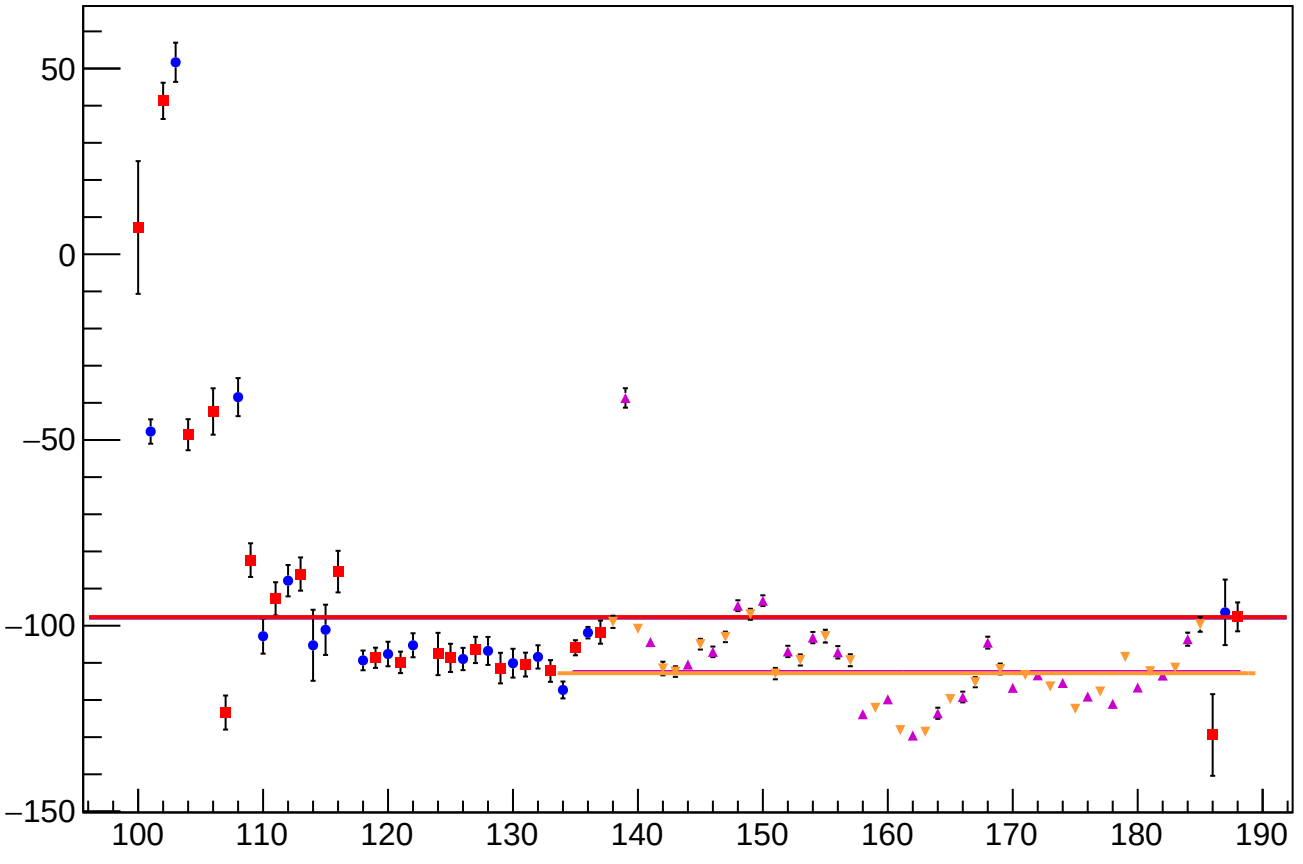
Left: -95.061+/-0.223 χ^2/NDF: 1873.6/47

Right: -122.643+/-0.504 χ^2/NDF: 656.8/37

In: -99.997+/-0.294 χ^2/NDF:2407.3/39

Out: -99.197+/-0.283 χ^2/NDF:2627.1/45

All: -99.582+/-0.204 χ^2/NDF: 5038.2/85



Right In: -97.803+/-0.790 χ^2/NDF: 1330.8/16

Left Out: -112.794+/-0.274 χ^2/NDF:936.4/24

Right Out: -97.687+/-0.821 χ^2/NDF: 1244.8/20

Left In: -112.465+/-0.285 χ^2/NDF:1788.6/22

Left: -112.636+/-0.197 χ^2/NDF: 2725.7/47

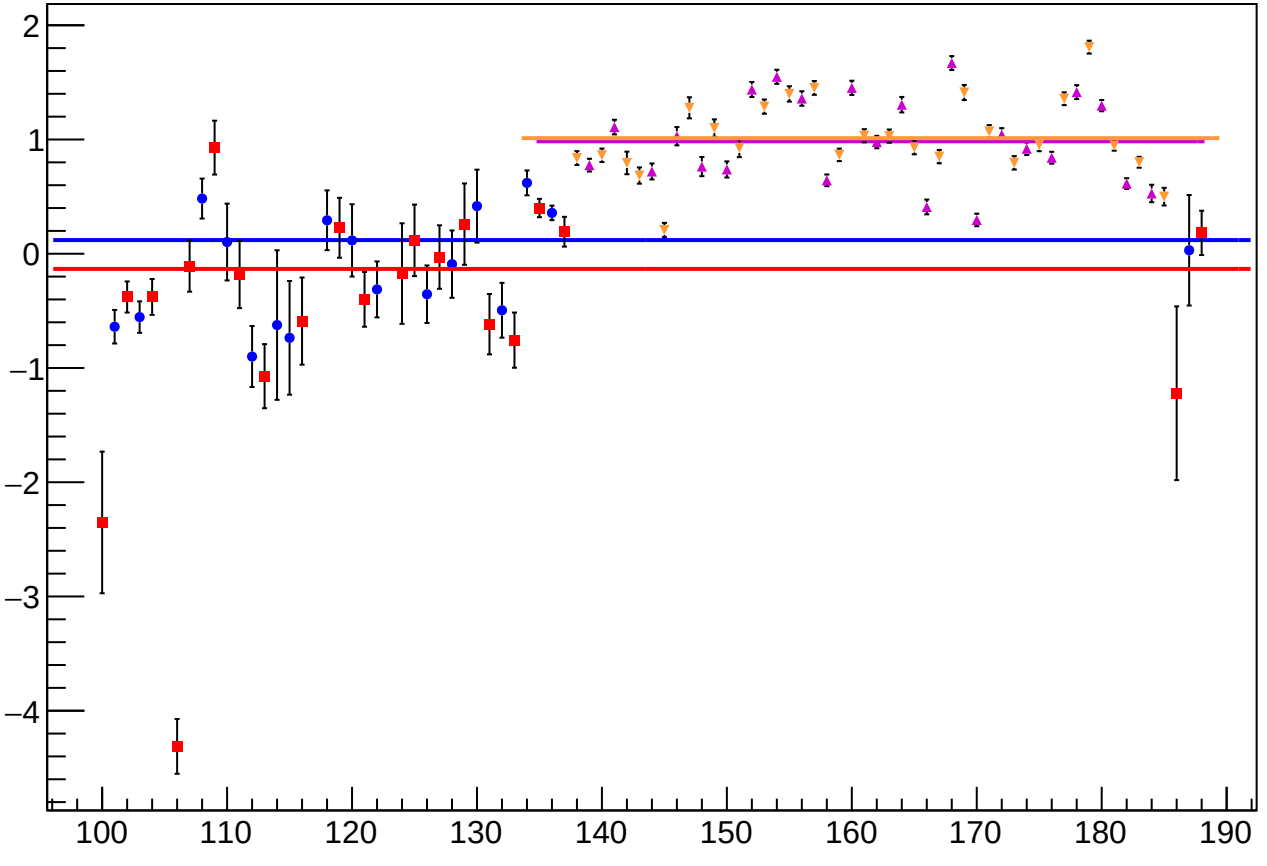
Right: -97.747+/-0.569 χ^2/NDF: 2575.7/37

In: -110.778+/-0.268 χ^2/NDF:3424.4/39

Out: -111.280+/-0.260 χ^2/NDF:2485.7/45

All: -111.037+/-0.187 χ^2/NDF: 5911.9/85

reg_asym_sam_26_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.120+/-0.041 χ^2/NDF: 123.9/16

Left Out: 1.012+/-0.012 χ^2/NDF:691.2/24

Right Out: -0.133+/-0.044 χ^2/NDF: 425.8/20

Left In: 0.984+/-0.013 χ^2/NDF:900.0/22

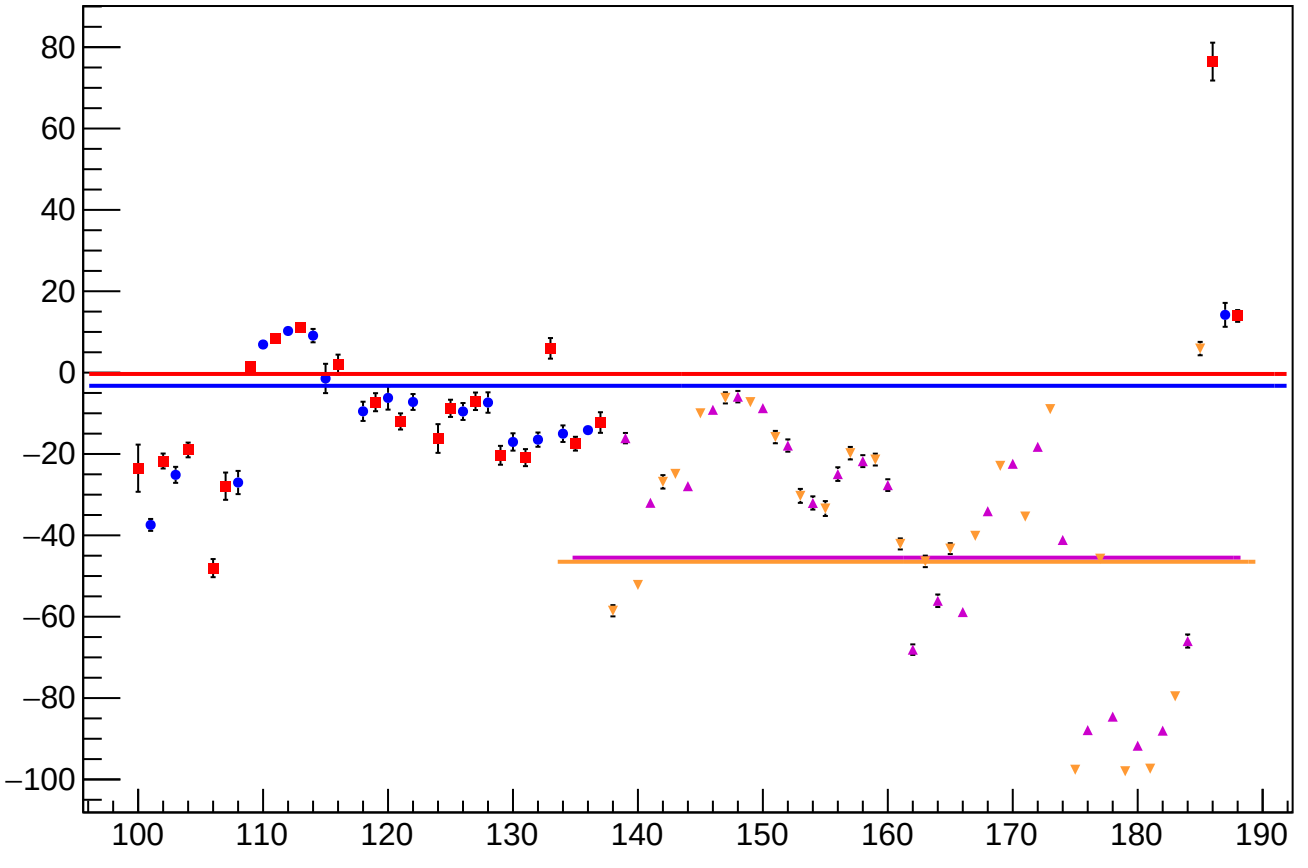
Left: 0.998+/-0.009 χ^2/NDF: 1593.6/47

Right: 0.001+/-0.030 χ^2/NDF: 567.4/37

In: 0.910+/-0.012 χ^2/NDF:1429.4/39

Out: 0.928+/-0.012 χ^2/NDF:1754.2/45

All: 0.919+/-0.008 χ^2/NDF: 3184.7/85



Right In: -3.241+/-0.374 χ^2/NDF: 1565.0/16

Left Out: -46.493+/-0.230 χ^2/NDF:20046.7/24

Right Out: -0.329+/-0.329 χ^2/NDF: 1906.0/20

Left In: -45.487+/-0.238 χ^2/NDF:15571.1/22

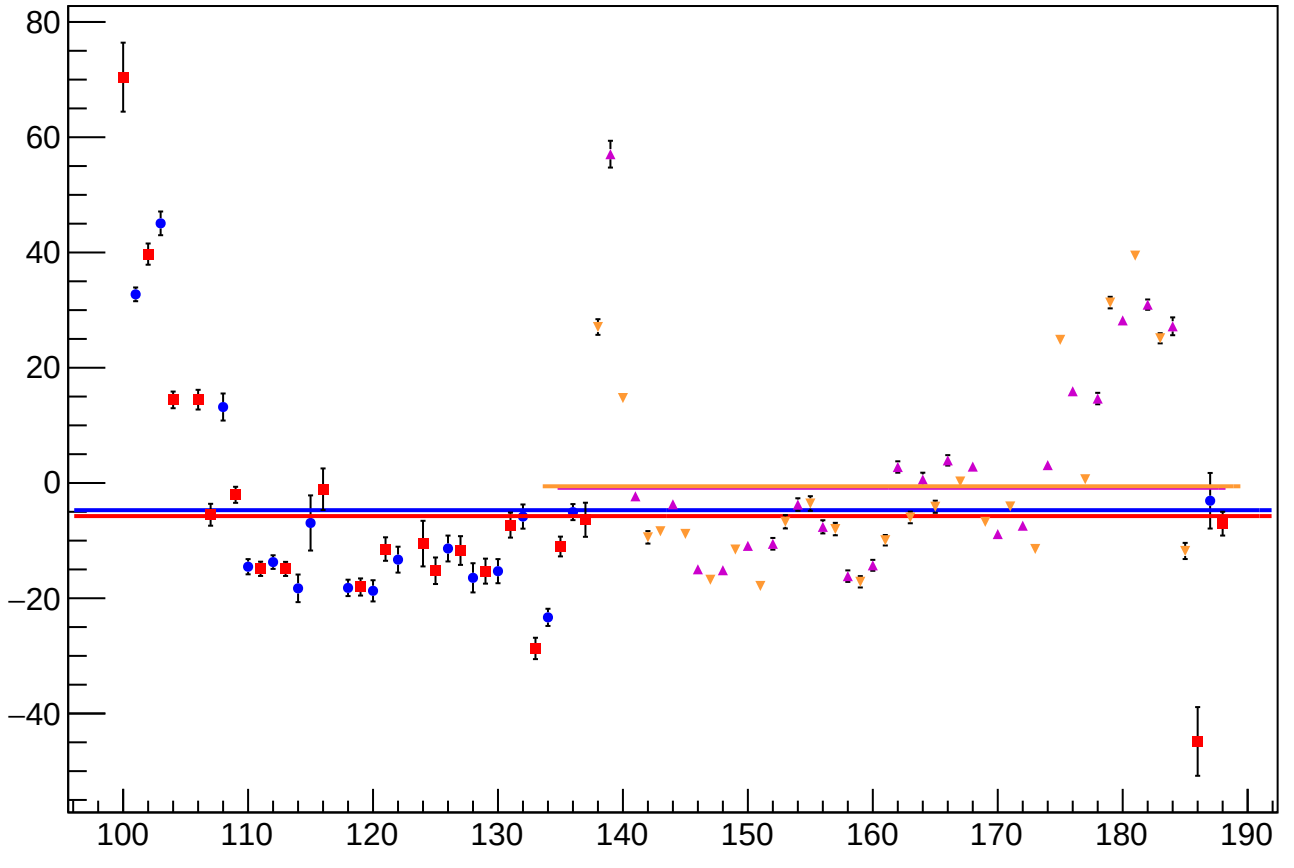
Left: -46.006+/-0.165 χ^2/NDF: 35627.0/47

Right: -1.599+/-0.247 χ^2/NDF: 3505.1/37

In: -33.319+/-0.201 χ^2/NDF:26235.0/39

Out: -31.315+/-0.189 χ^2/NDF:35188.0/45

All: -32.255+/-0.137 χ^2/NDF: 61476.0/85



Right In: -4.716+/-0.429 χ^2/NDF: 2148.1/16

Left Out: -0.572+/-0.177 χ^2/NDF:8451.5/24

Right Out: -5.742+/-0.413 χ^2/NDF: 1552.3/20

Left In: -0.828+/-0.183 χ^2/NDF:6116.6/22

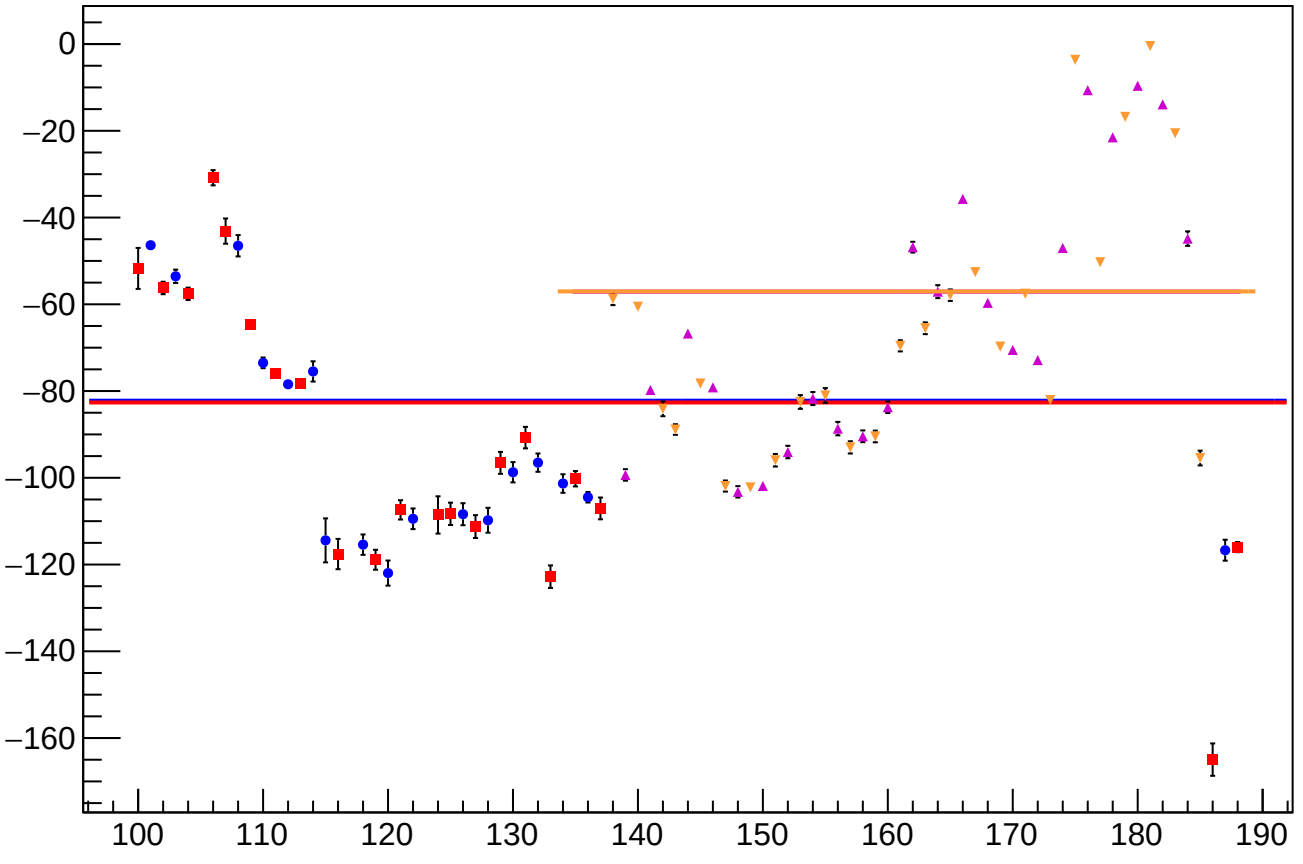
Left: -0.696+/-0.127 χ^2/NDF: 14569.0/47

Right: -5.249+/-0.297 χ^2/NDF: 3703.4/37

In: -1.427+/-0.168 χ^2/NDF:8334.1/39

Out: -1.378+/-0.163 χ^2/NDF:10136.4/45

All: -1.401+/-0.117 χ^2/NDF: 18470.6/85



Right In: -82.228+/-0.431 χ^2/NDF: 3080.8/16

Left Out: -57.029+/-0.230 χ^2/NDF:20309.3/24

Right Out: -82.634+/-0.391 χ^2/NDF: 4586.7/20

Left In: -57.091+/-0.237 χ^2/NDF:17167.8/22

Left: -57.059+/-0.165 χ^2/NDF: 37477.1/47

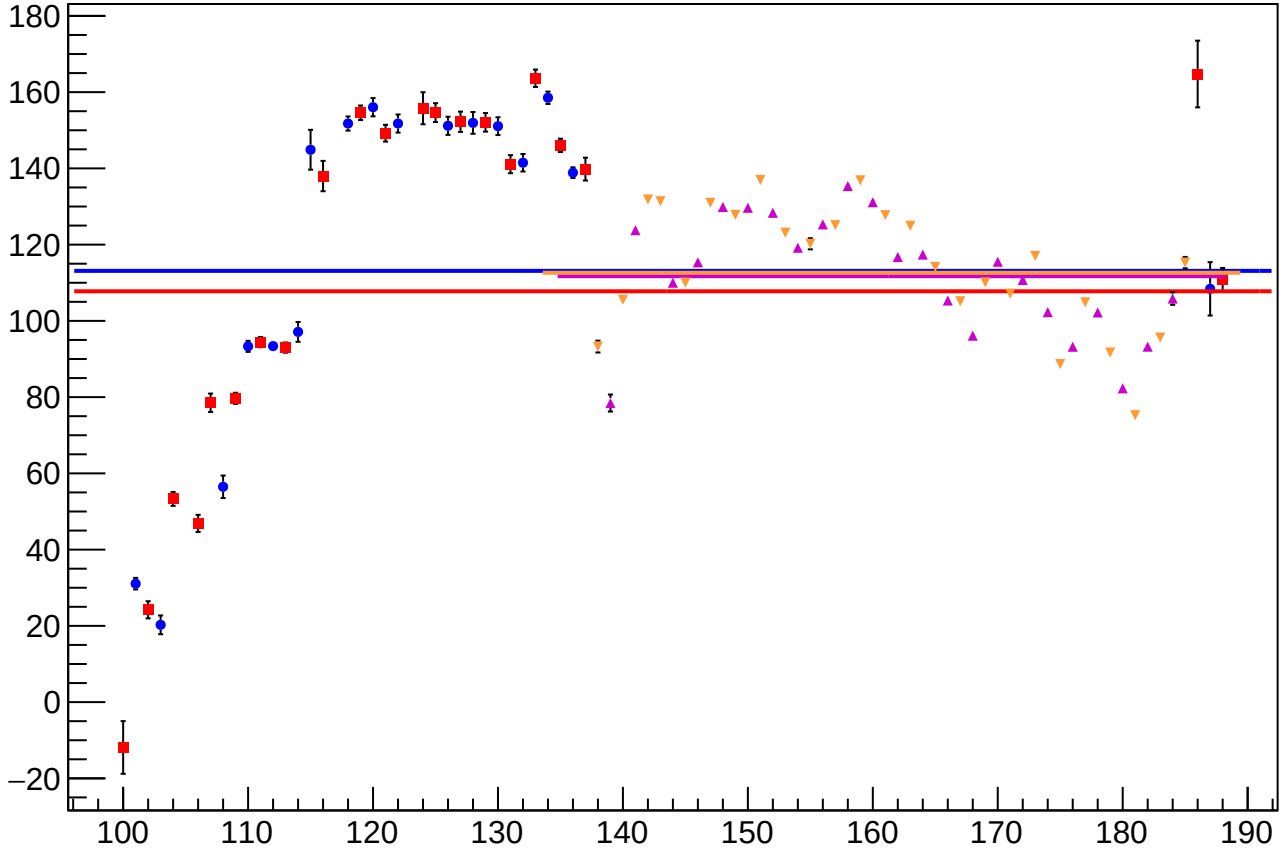
Right: -82.451+/-0.290 χ^2/NDF: 7668.0/37

In: -62.905+/-0.207 χ^2/NDF:22859.3/39

Out: -63.618+/-0.198 χ^2/NDF:28088.6/45

All: -63.278+/-0.143 χ^2/NDF: 50954.1/85

reg_asym_sam_48_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 113.120+/-0.488 χ^2/NDF: 8204.5/16

Left Out: 112.625+/-0.200 χ^2/NDF:6708.0/24

Right Out: 107.763+/-0.473 χ^2/NDF: 7587.8/20

Left In: 111.720+/-0.206 χ^2/NDF:4896.8/22

Left: 112.186+/-0.143 χ^2/NDF: 11614.7/47

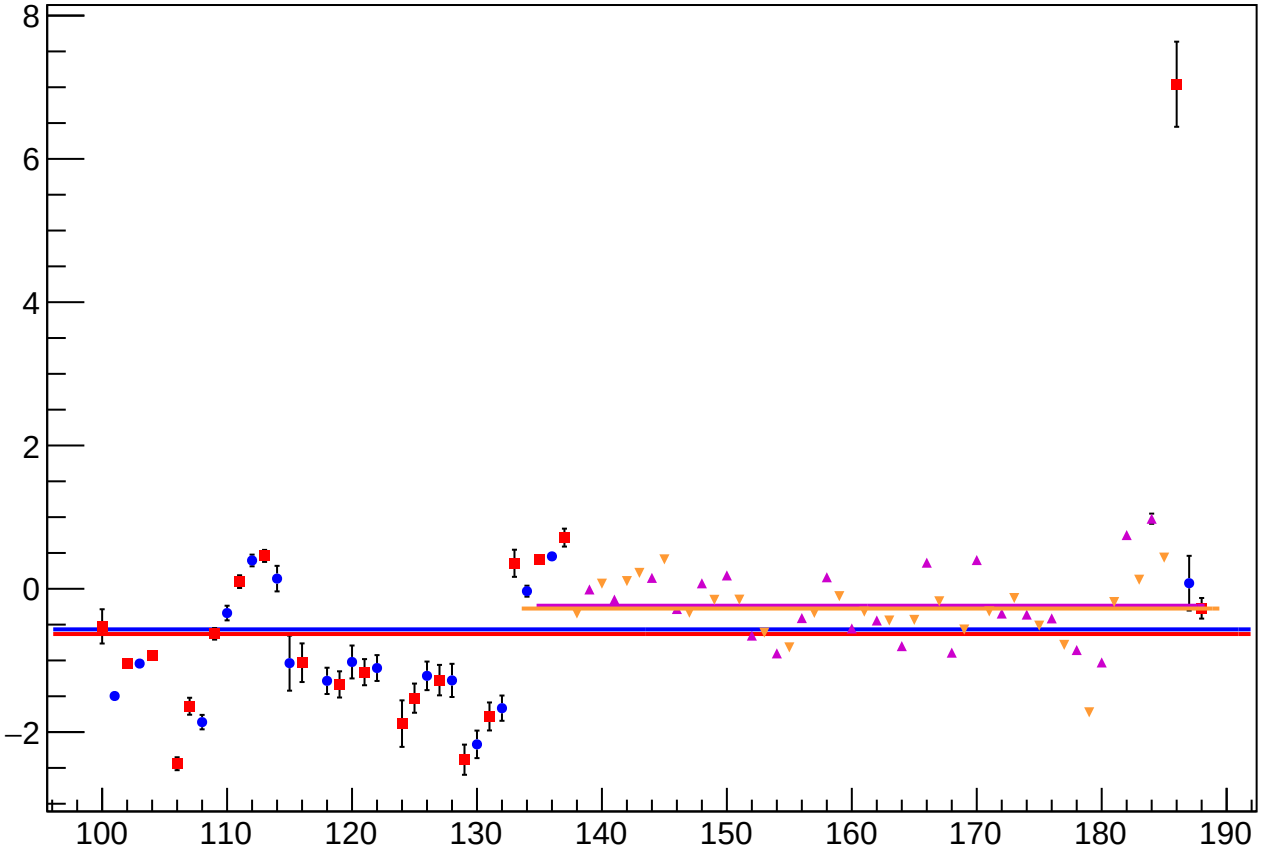
Right: 110.358+/-0.340 χ^2/NDF: 15854.5/37

In: 111.932+/-0.190 χ^2/NDF:13108.3/39

Out: 111.887+/-0.184 χ^2/NDF:14385.5/45

All: 111.909+/-0.132 χ^2/NDF: 27493.8/85

reg_asym_sam_48_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.566+/-0.026 χ^2/NDF: 1100.3/16

Left Out: -0.276+/-0.009 χ^2/NDF:2122.4/24

Right Out: -0.632+/-0.025 χ^2/NDF: 1489.3/20

Left In: -0.236+/-0.009 χ^2/NDF:2961.3/22

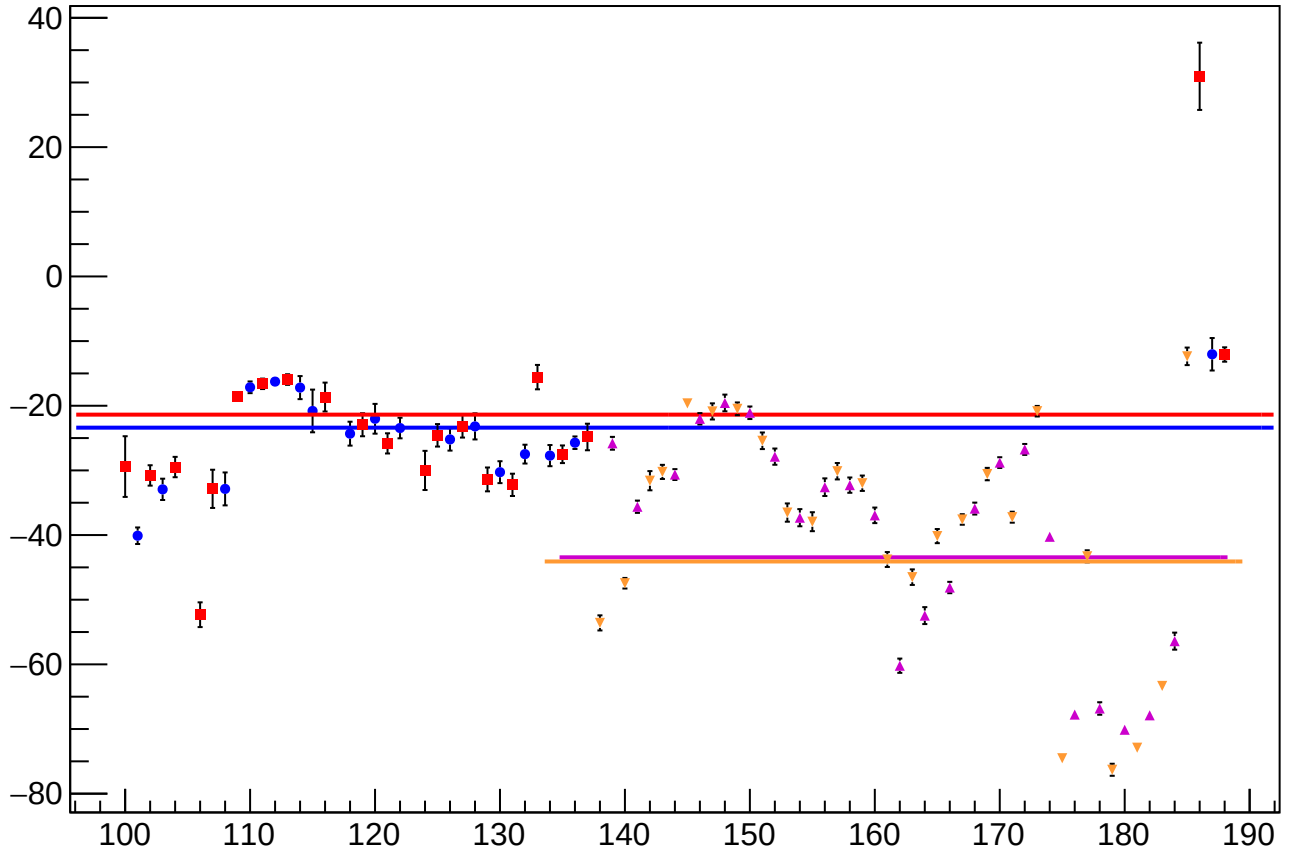
Left: -0.257+/-0.006 χ^2/NDF: 5093.1/47

Right: -0.600+/-0.018 χ^2/NDF: 2592.9/37

In: -0.274+/-0.009 χ^2/NDF:4207.2/39

Out: -0.317+/-0.008 χ^2/NDF:3793.4/45

All: -0.296+/-0.006 χ^2/NDF: 8013.5/85



Right In: -23.389+/-0.345 χ^2/NDF: 427.2/16

Left Out: -44.087+/-0.193 χ^2/NDF:10340.4/24

Right Out: -21.375+/-0.309 χ^2/NDF: 732.2/20

Left In: -43.444+/-0.199 χ^2/NDF:7820.5/22

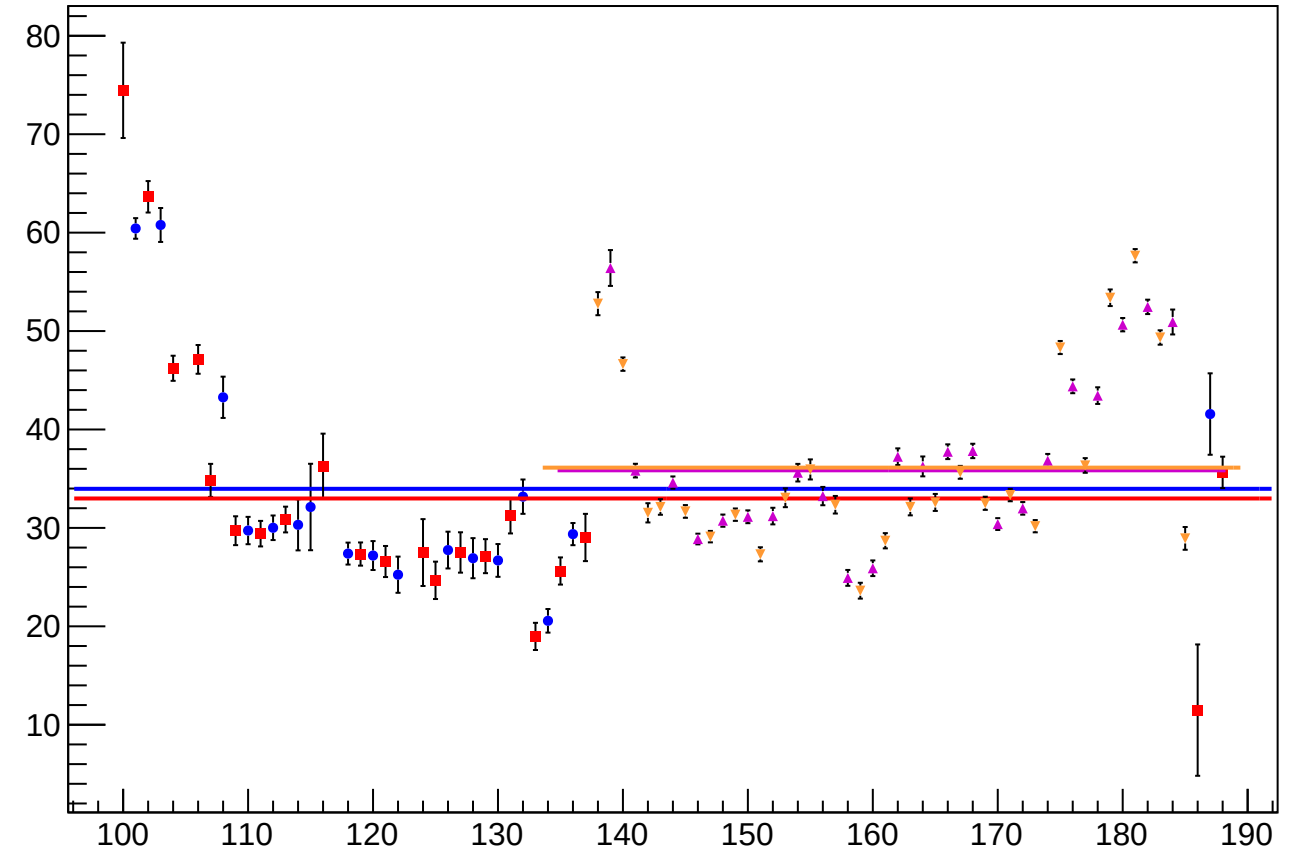
Left: -43.775+/-0.138 χ^2/NDF: 18166.3/47

Right: -22.270+/-0.230 χ^2/NDF: 1178.3/37

In: -38.448+/-0.172 χ^2/NDF:10785.2/39

Out: -37.698+/-0.164 χ^2/NDF:14967.1/45

All: -38.054+/-0.119 χ^2/NDF: 25762.3/85



Right In: 33.972+/-0.374 χ^2/NDF: 1187.8/16

Left Out: 36.123+/-0.150 χ^2/NDF:3558.5/24

Right Out: 32.989+/-0.362 χ^2/NDF: 888.1/20

Left In: 35.852+/-0.155 χ^2/NDF:2293.5/22

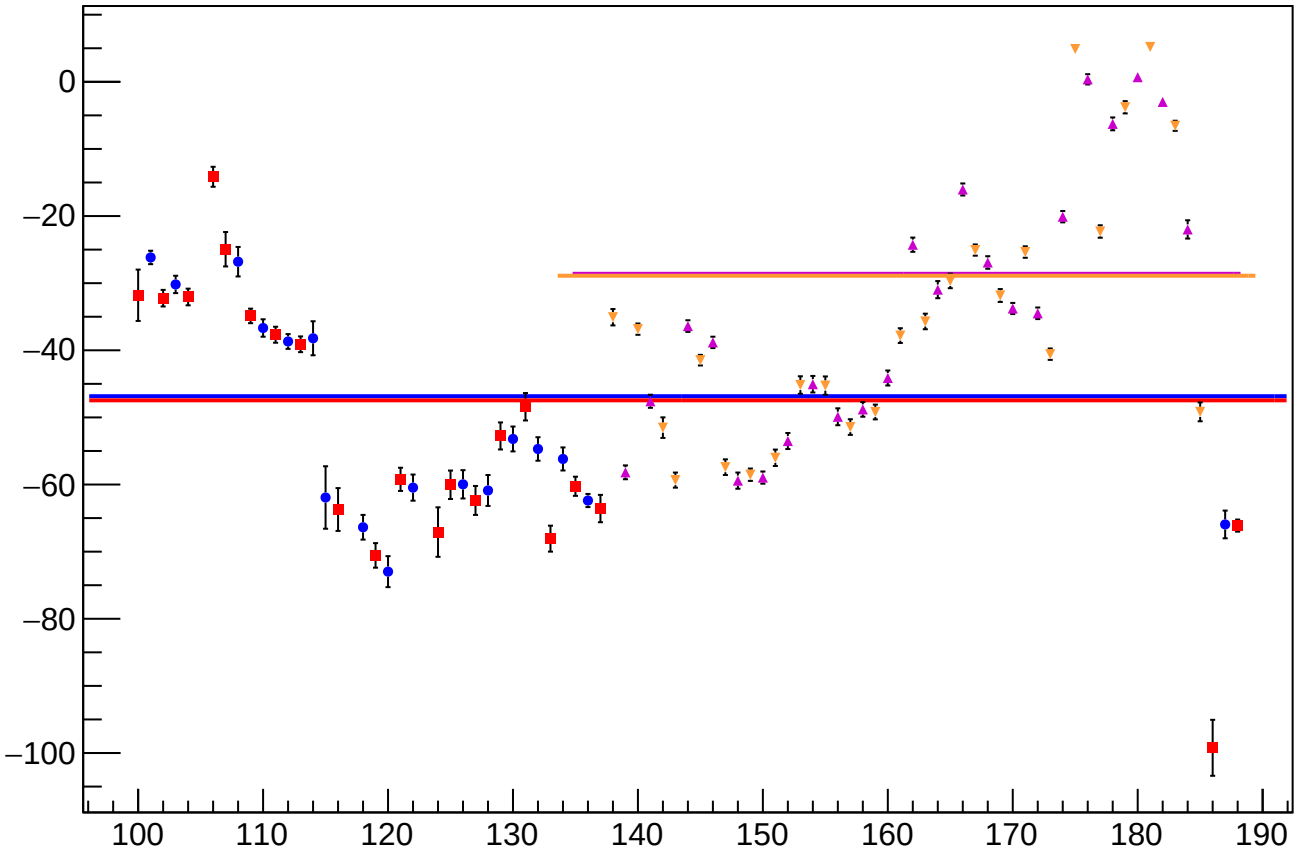
Left: 35.992+/-0.108 χ^2/NDF: 5853.6/47

Right: 33.465+/-0.260 χ^2/NDF: 2079.5/37

In: 35.576+/-0.143 χ^2/NDF:3502.9/39

Out: 35.664+/-0.139 χ^2/NDF:4510.6/45

All: 35.622+/-0.100 χ^2/NDF: 8013.7/85



Right In: -46.841+/-0.383 χ^2/NDF: 1578.3/16

Left Out: -28.891+/-0.193 χ^2/NDF:11798.4/24

Right Out: -47.457+/-0.348 χ^2/NDF: 2344.8/20

Left In: -28.605+/-0.198 χ^2/NDF:10014.7/22

Left: -28.751+/-0.138 χ^2/NDF: 21814.2/47

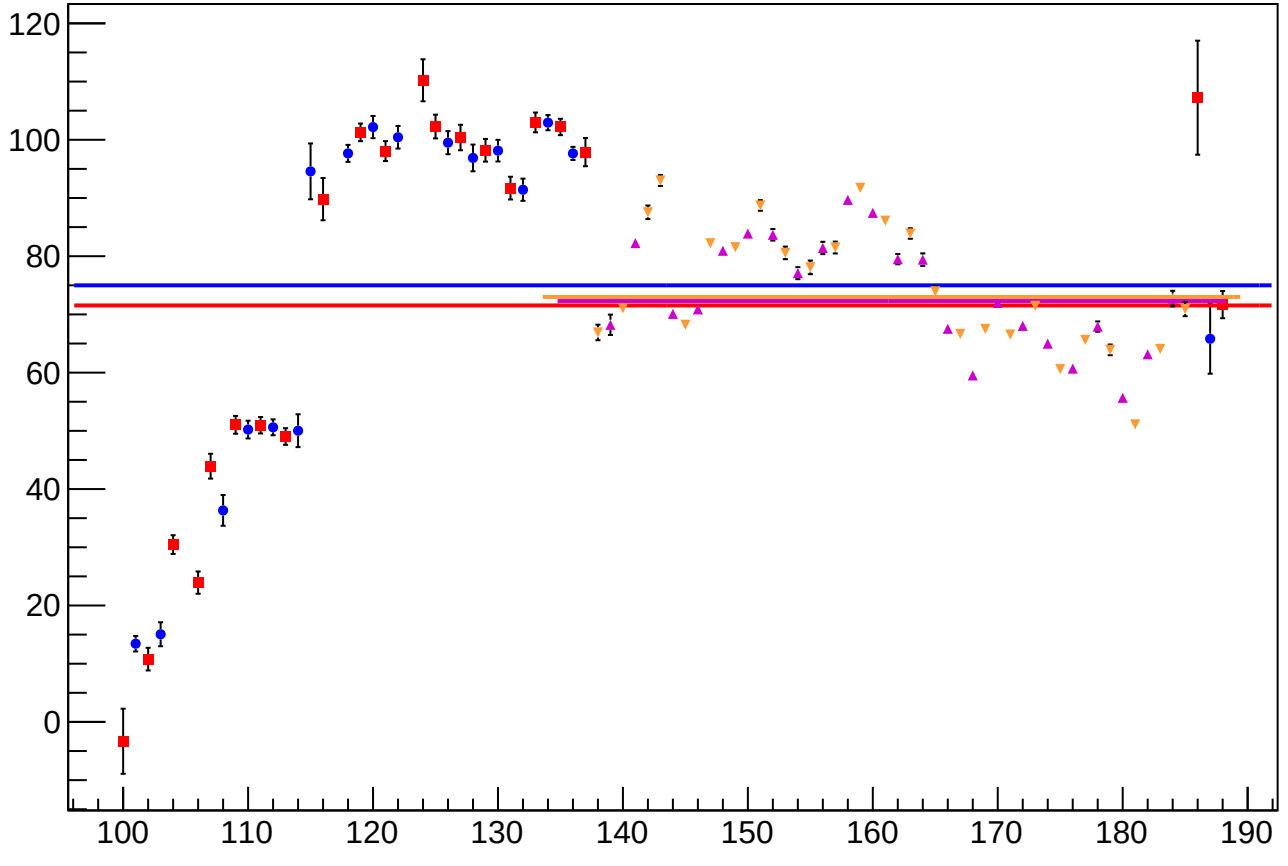
Right: -47.179+/-0.257 χ^2/NDF: 3924.5/37

In: -32.443+/-0.176 χ^2/NDF:13382.4/39

Out: -33.259+/-0.169 χ^2/NDF:16326.0/45

All: -32.868+/-0.122 χ^2/NDF: 29719.6/85

reg_asym_sam_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 74.996+/-0.426 χ^2/NDF: 5830.6/16

Left Out: 73.002+/-0.168 χ^2/NDF:4052.4/24

Right Out: 71.541+/-0.418 χ^2/NDF: 5641.5/20

Left In: 72.302+/-0.173 χ^2/NDF:2912.6/22

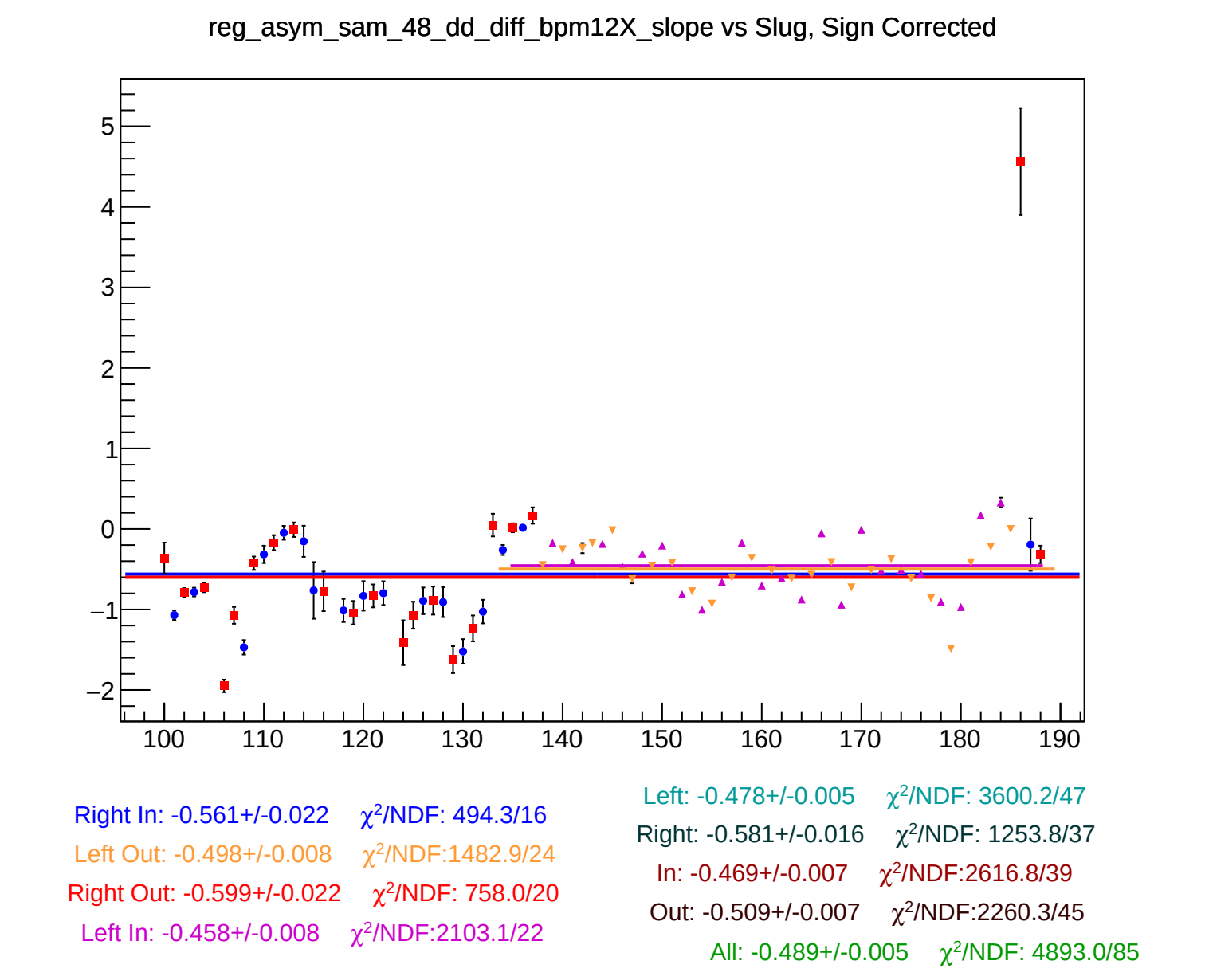
Left: 72.662+/-0.121 χ^2/NDF: 6973.3/47

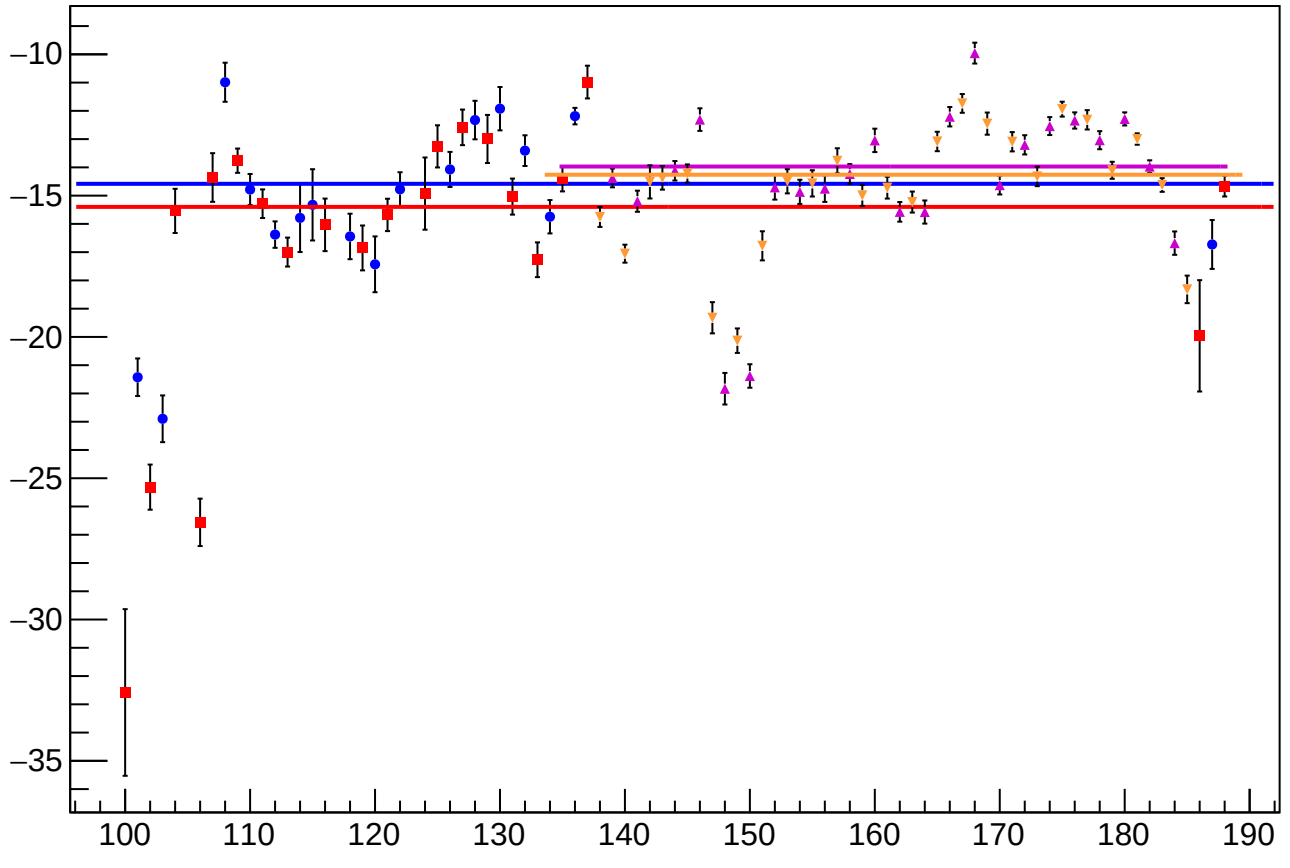
Right: 73.236+/-0.299 χ^2/NDF: 11505.6/37

In: 72.685+/-0.161 χ^2/NDF:8777.5/39

Out: 72.798+/-0.156 χ^2/NDF:9704.4/45

All: 72.743+/-0.112 χ^2/NDF: 18482.1/85


reg_asym_sam_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected
5
4
3
2
1
0
−1
−2
100
110
120
130
140
150
160
170
180
190
Right In: -0.561+/-0.022 χ²/NDF: 494.3/16
Left Out: -0.498+/-0.008 χ²/NDF:1482.9/24
Right Out: -0.599+/-0.022 χ²/NDF: 758.0/20
Left In: -0.458+/-0.008 χ²/NDF:2103.1/22
Left: -0.478+/-0.005 χ²/NDF: 3600.2/47
Right: -0.581+/-0.016 χ²/NDF: 1253.8/37
In: -0.469+/-0.007 χ²/NDF:2616.8/39
Out: -0.509+/-0.007 χ²/NDF:2260.3/45
All: -0.489+/-0.005 χ²/NDF: 4893.0/85



Right In: -14.582+/-0.147 χ^2/NDF: 369.7/16

Left Out: -14.261+/-0.070 χ^2/NDF:724.0/24

Right Out: -15.398+/-0.139 χ^2/NDF: 513.6/20

Left In: -13.970+/-0.072 χ^2/NDF:907.7/22

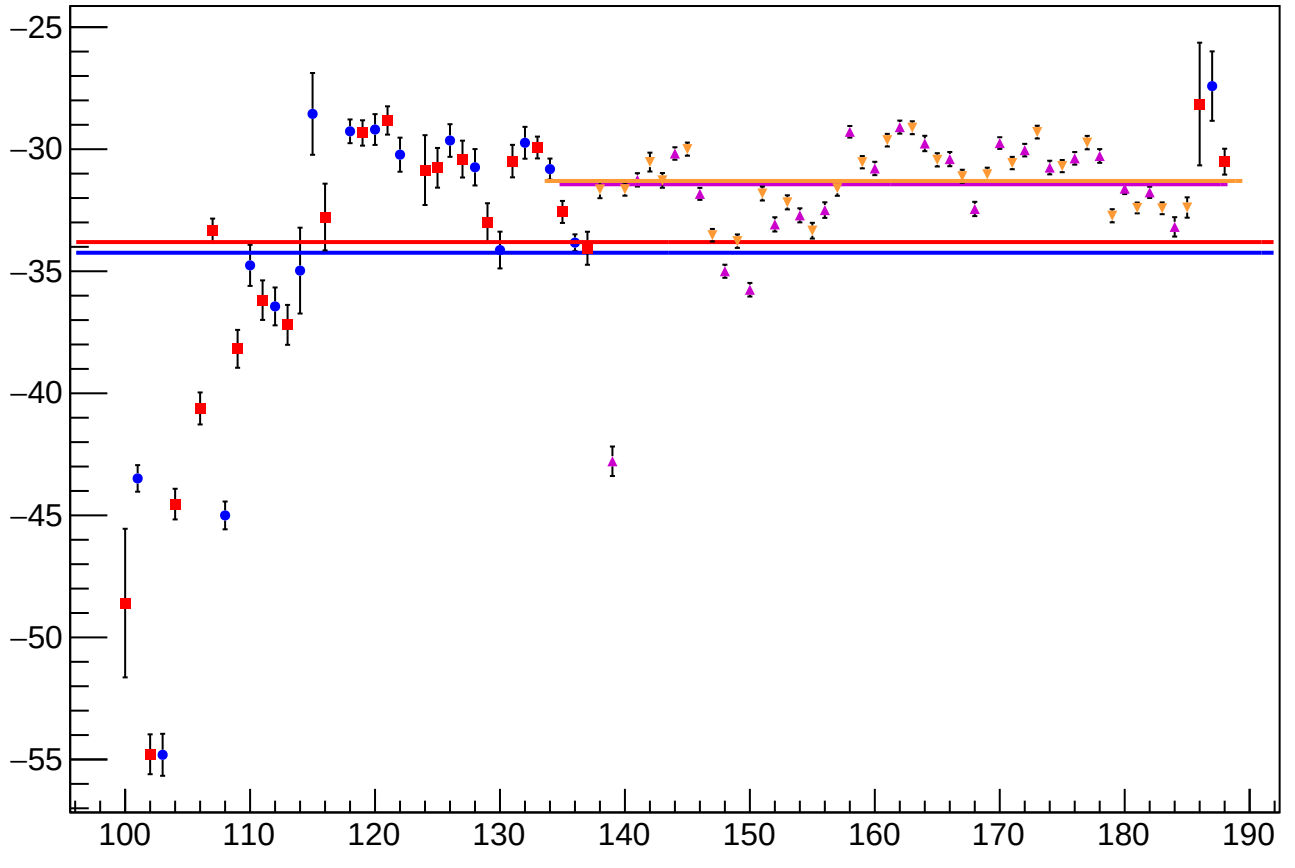
Left: -14.120+/-0.050 χ^2/NDF: 1640.2/47

Right: -15.015+/-0.101 χ^2/NDF: 899.6/37

In: -14.088+/-0.065 χ^2/NDF:1291.4/39

Out: -14.490+/-0.062 χ^2/NDF:1291.5/45

All: -14.297+/-0.045 χ^2/NDF: 2603.0/85



Right In: -34.241+/-0.152 χ^2/NDF: 1643.9/16

Left Out: -31.301+/-0.055 χ^2/NDF:553.1/24

Right Out: -33.804+/-0.148 χ^2/NDF: 1482.2/20

Left In: -31.436+/-0.057 χ^2/NDF:1214.8/22

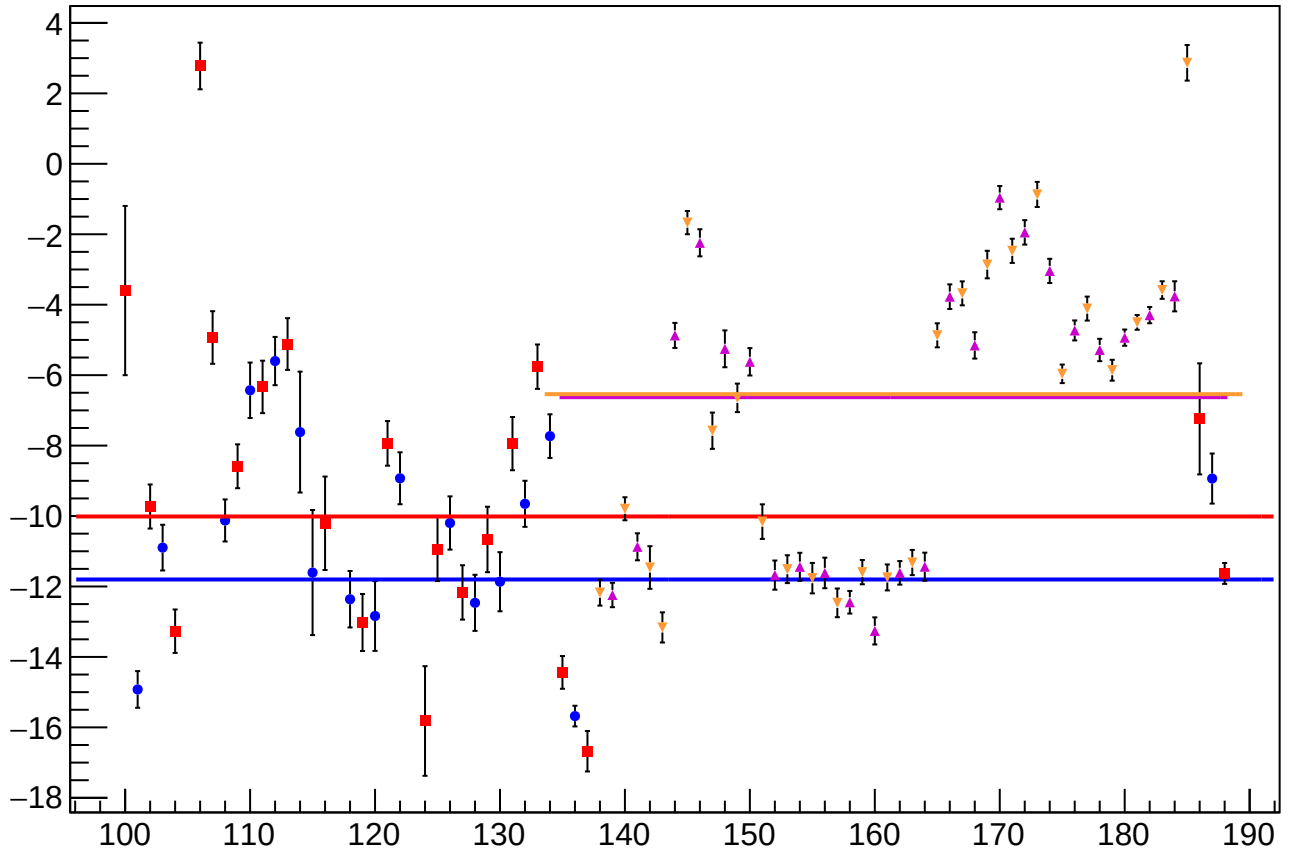
Left: -31.366+/-0.040 χ^2/NDF: 1770.8/47

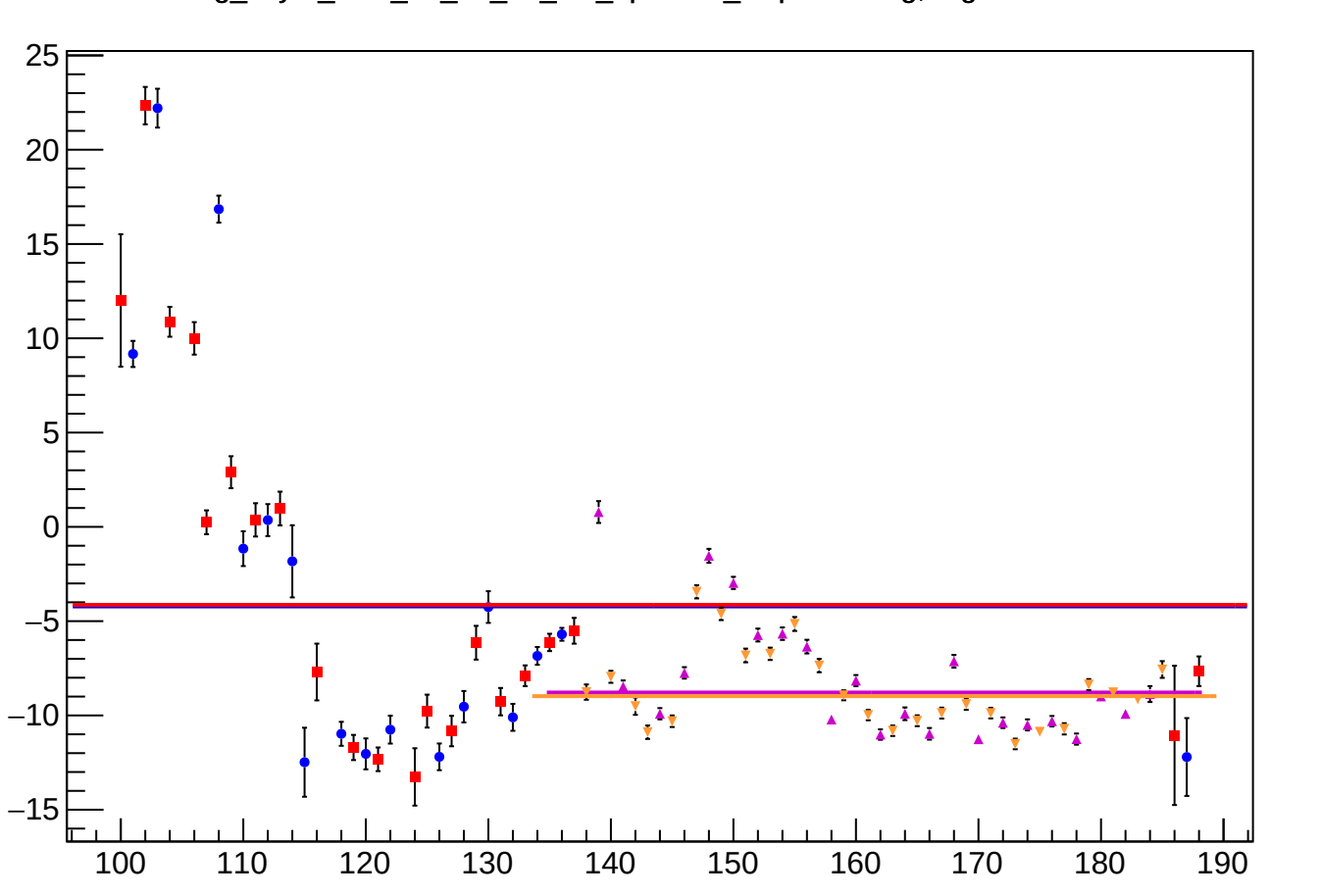
Right: -34.016+/-0.106 χ^2/NDF: 3130.3/37

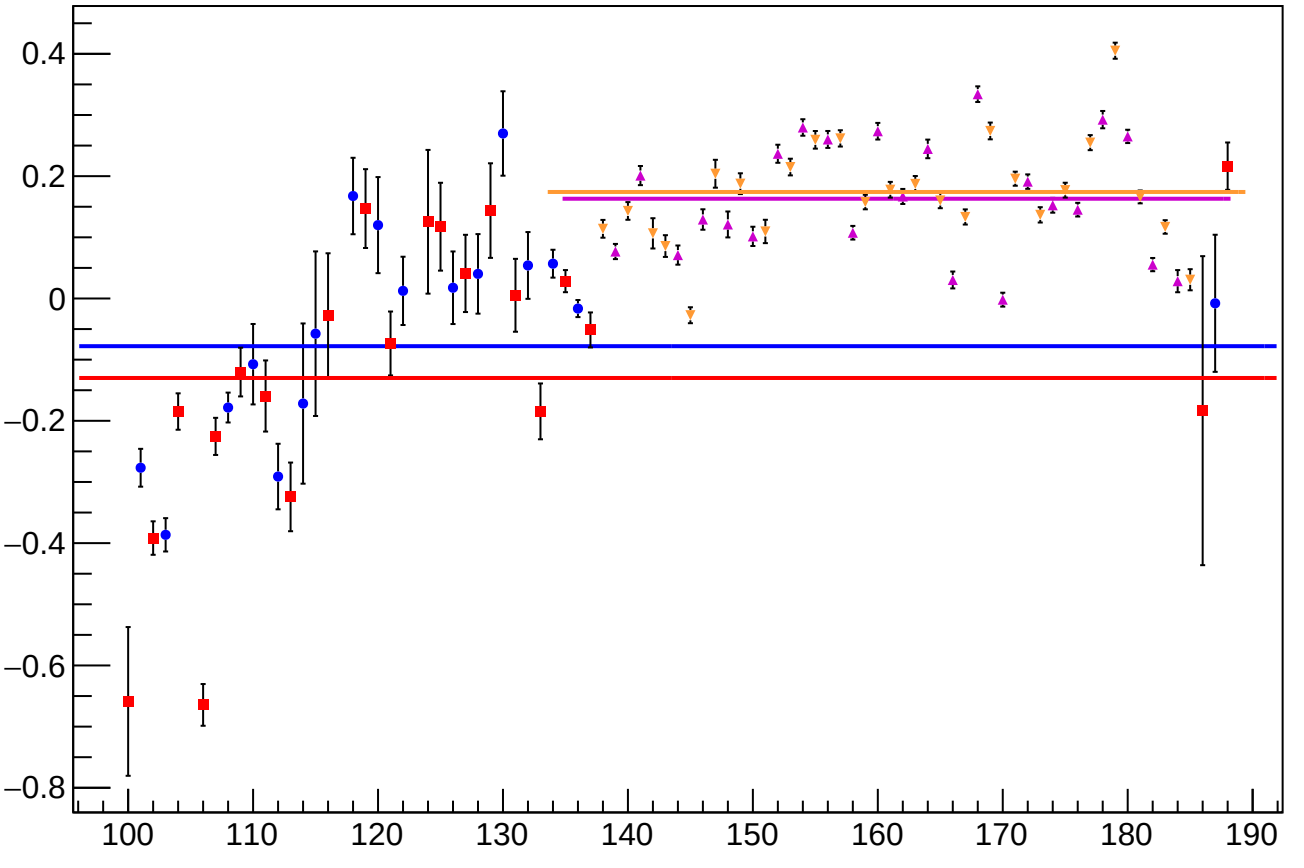
In: -31.784+/-0.054 χ^2/NDF:3155.6/39

Out: -31.608+/-0.052 χ^2/NDF:2287.3/45

All: -31.692+/-0.037 χ^2/NDF: 5448.4/85


reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs Slug, Sign Corrected
4
2
0
−2
−4
−6
−8
−10
−12
−14
−16
−18
100
110
120
130
140
150
160
170
180
190
Right In: -11.801+/-0.156 χ²/NDF: 447.1/16
Left Out: -6.540+/-0.070 χ²/NDF:3242.5/24
Right Out: -10.013+/-0.144 χ²/NDF: 887.9/20
Left In: -6.625+/-0.071 χ²/NDF:2908.0/22
Left: -6.581+/-0.050 χ²/NDF: 6151.3/47
Right: -10.833+/-0.106 χ²/NDF: 1405.9/37
In: -7.520+/-0.065 χ²/NDF:4263.0/39
Out: -7.198+/-0.063 χ²/NDF:4603.2/45
All: -7.353+/-0.045 χ²/NDF: 8878.9/85


reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
25
20
15
10
5
0
−5
−10
−15
100
110
120
130
140
150
160
170
180
190
Right In: -4.218+/-0.171 χ²/NDF: 2540.1/16
Left Out: -8.977+/-0.061 χ²/NDF:972.0/24
Right Out: -4.139+/-0.172 χ²/NDF: 2134.9/20
Left In: -8.785+/-0.063 χ²/NDF:1685.0/22
Left: -8.884+/-0.044 χ²/NDF: 2661.8/47
Right: -4.178+/-0.121 χ²/NDF: 4675.1/37
In: -8.235+/-0.059 χ²/NDF:4850.0/39
Out: -8.427+/-0.058 χ²/NDF:3811.6/45
All: -8.334+/-0.041 χ²/NDF: 8667.0/85



Right In: -0.078+/-0.009 χ^2/NDF: 319.2/16

Left Out: 0.174+/-0.003 χ^2/NDF:922.9/24

Right Out: -0.130+/-0.009 χ^2/NDF: 609.4/20

Left In: 0.163+/-0.003 χ^2/NDF:1195.1/22

Left: 0.169+/-0.002 χ^2/NDF: 2126.1/47

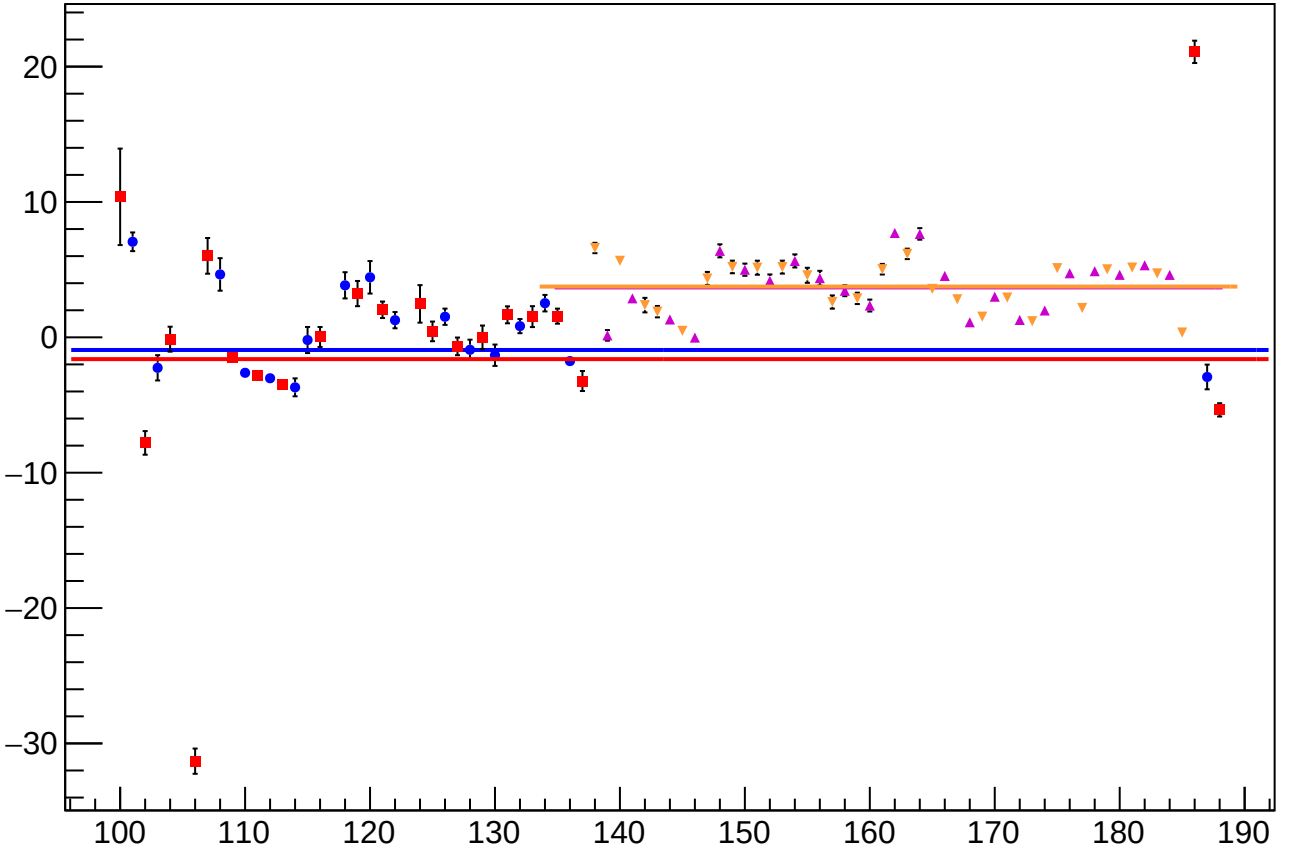
Right: -0.103+/-0.006 χ^2/NDF: 946.5/37

In: 0.140+/-0.003 χ^2/NDF:2234.4/39

Out: 0.148+/-0.003 χ^2/NDF:2615.9/45

All: 0.144+/-0.002 χ^2/NDF: 4854.4/85

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -0.934+/-0.135 χ^2/NDF: 385.1/16

Left Out: 3.750+/-0.062 χ^2/NDF:809.8/24

Right Out: -1.610+/-0.123 χ^2/NDF: 2151.4/20

Left In: 3.688+/-0.064 χ^2/NDF:953.3/22

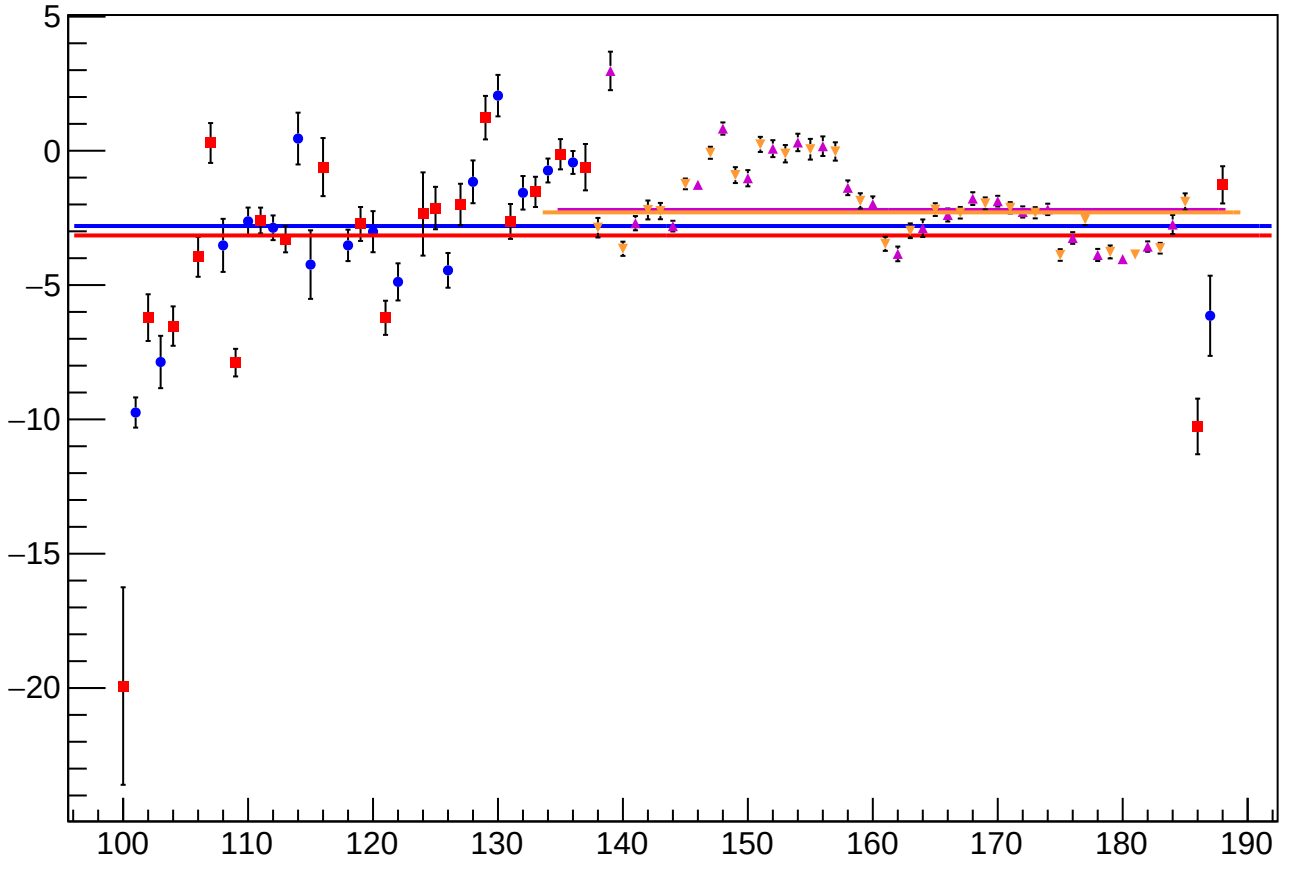
Left: 3.720+/-0.044 χ^2/NDF: 1763.6/47

Right: -1.304+/-0.091 χ^2/NDF: 2550.2/37

In: 2.843+/-0.058 χ^2/NDF:2295.0/39

Out: 2.662+/-0.055 χ^2/NDF:4479.5/45

All: 2.749+/-0.040 χ^2/NDF: 6779.5/85



Right In: -2.802+/-0.155 χ^2/NDF: 315.1/16

Left Out: -2.294+/-0.050 χ^2/NDF:631.5/24

Right Out: -3.153+/-0.152 χ^2/NDF: 327.2/20

Left In: -2.204+/-0.051 χ^2/NDF:724.7/22

Left: -2.250+/-0.035 χ^2/NDF: 1357.8/47

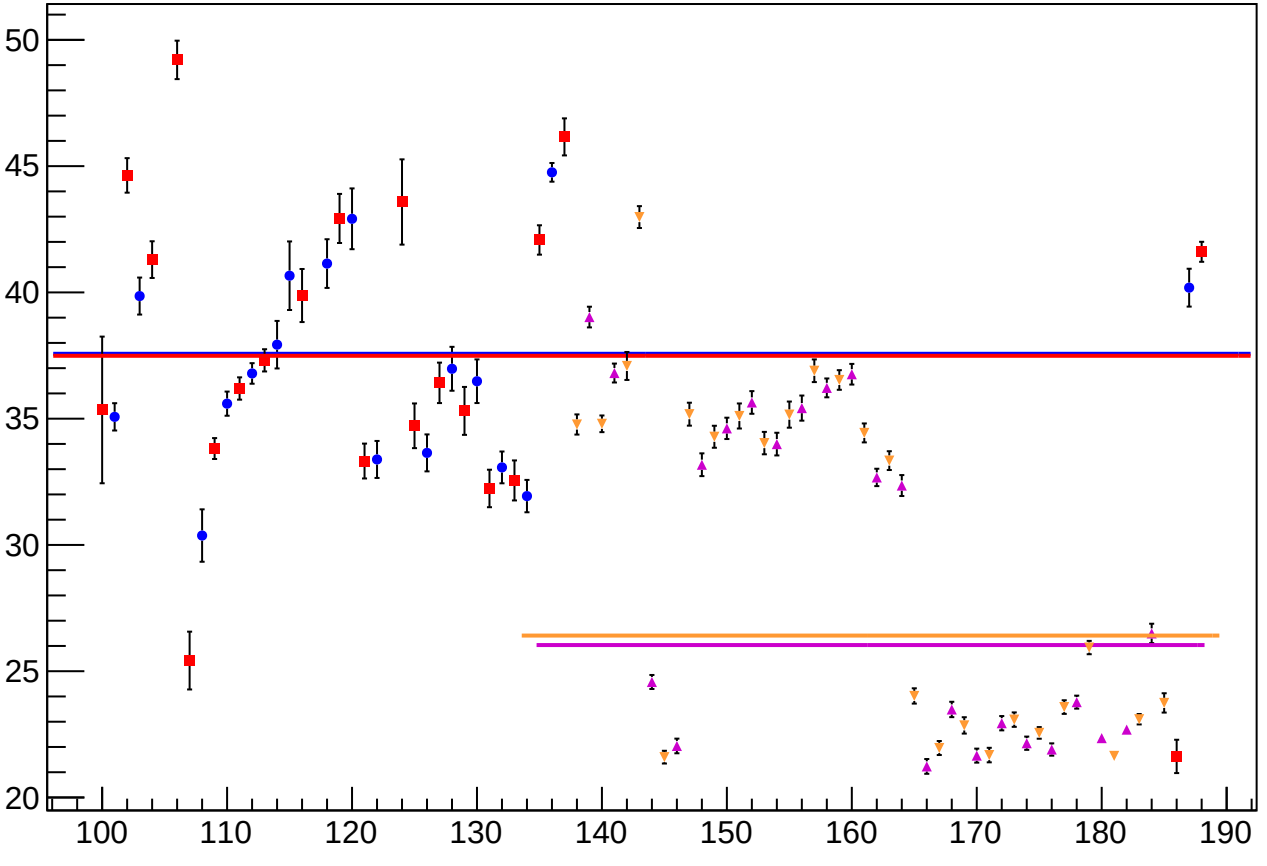
Right: -2.982+/-0.109 χ^2/NDF: 645.0/37

In: -2.262+/-0.048 χ^2/NDF:1053.2/39

Out: -2.377+/-0.047 χ^2/NDF:987.6/45

All: -2.321+/-0.034 χ^2/NDF: 2043.7/85

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 37.569+/-0.157 χ^2/NDF: 719.7/16

Left Out: 26.411+/-0.062 χ^2/NDF:9222.2/24

Right Out: 37.490+/-0.144 χ^2/NDF: 1652.3/20

Left In: 26.036+/-0.064 χ^2/NDF:7842.9/22

Left: 26.228+/-0.045 χ^2/NDF: 17082.8/47

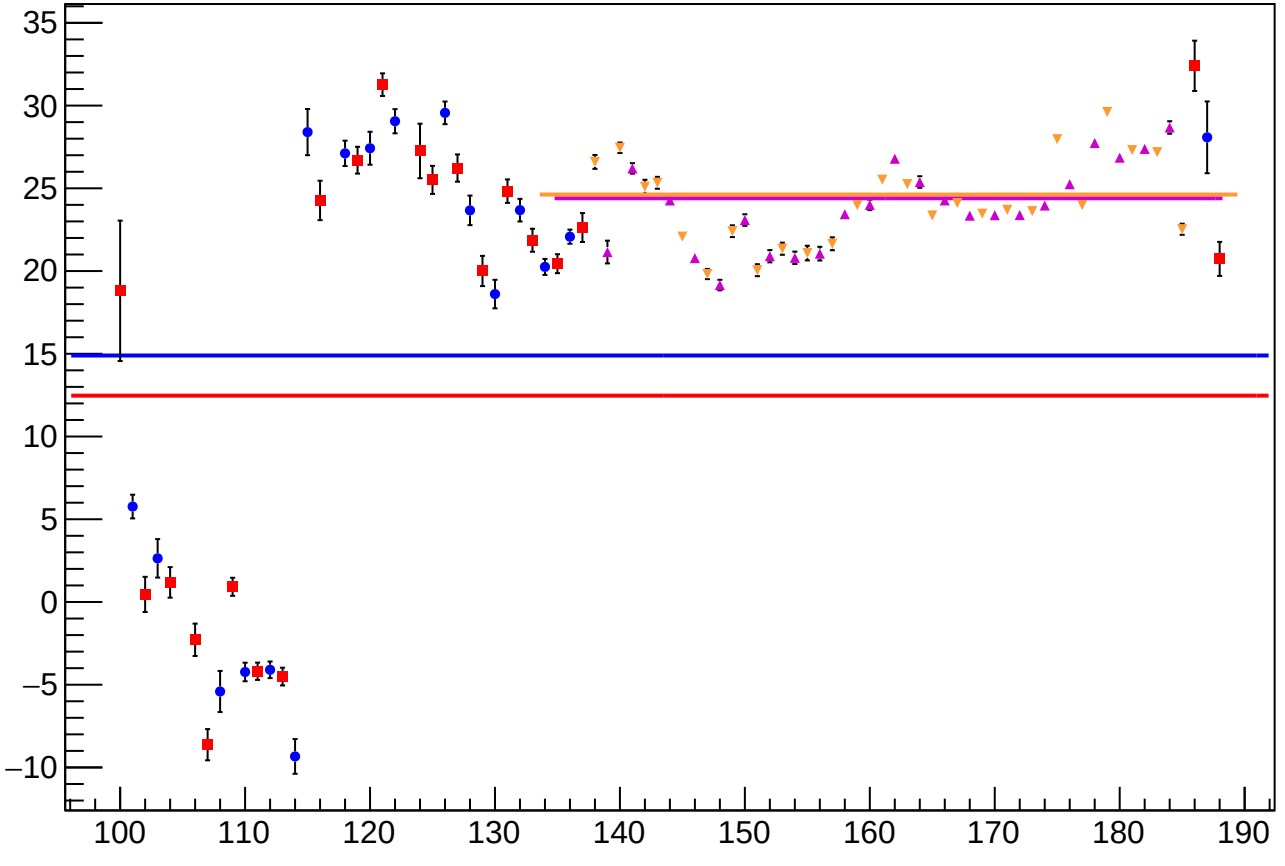
Right: 37.527+/-0.106 χ^2/NDF: 2372.2/37

In: 27.671+/-0.059 χ^2/NDF:13185.2/39

Out: 28.151+/-0.057 χ^2/NDF:15844.1/45

All: 27.919+/-0.041 χ^2/NDF: 29063.2/85

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 14.896+/-0.173 χ^2/NDF: 5723.5/16

Left Out: 24.624+/-0.055 χ^2/NDF:1950.7/24

Right Out: 12.469+/-0.173 χ^2/NDF: 6350.5/20

Left In: 24.397+/-0.056 χ^2/NDF:1715.6/22

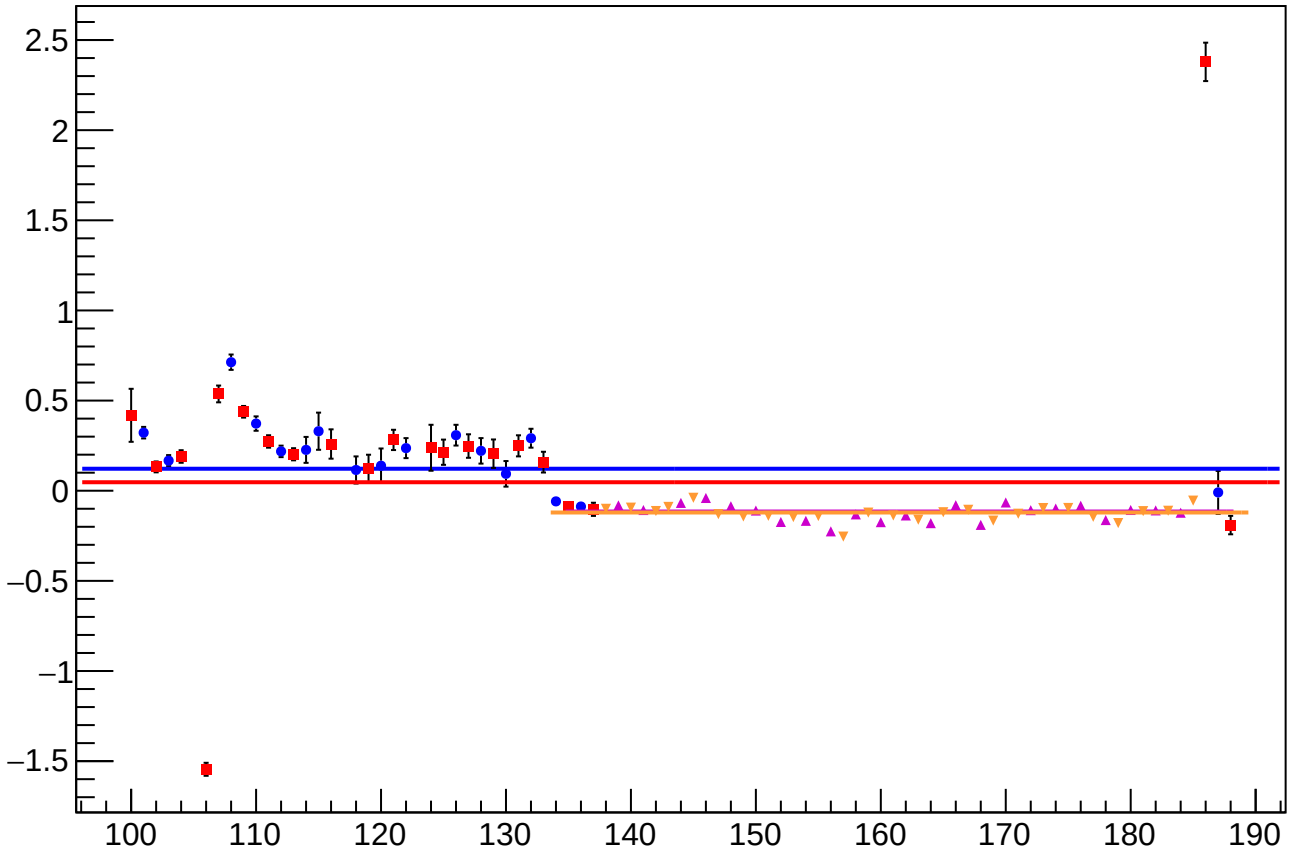
Left: 24.513+/-0.039 χ^2/NDF: 3674.6/47

Right: 13.682+/-0.122 χ^2/NDF: 12172.2/37

In: 23.486+/-0.054 χ^2/NDF:10155.6/39

Out: 23.504+/-0.053 χ^2/NDF:12775.8/45

All: 23.495+/-0.038 χ^2/NDF: 22931.5/85



Right In: 0.122+/-0.009 χ^2/NDF: 521.2/16

Left Out: -0.121+/-0.002 χ^2/NDF:262.9/24

Right Out: 0.047+/-0.010 χ^2/NDF: 2916.7/20

Left In: -0.115+/-0.003 χ^2/NDF:290.7/22

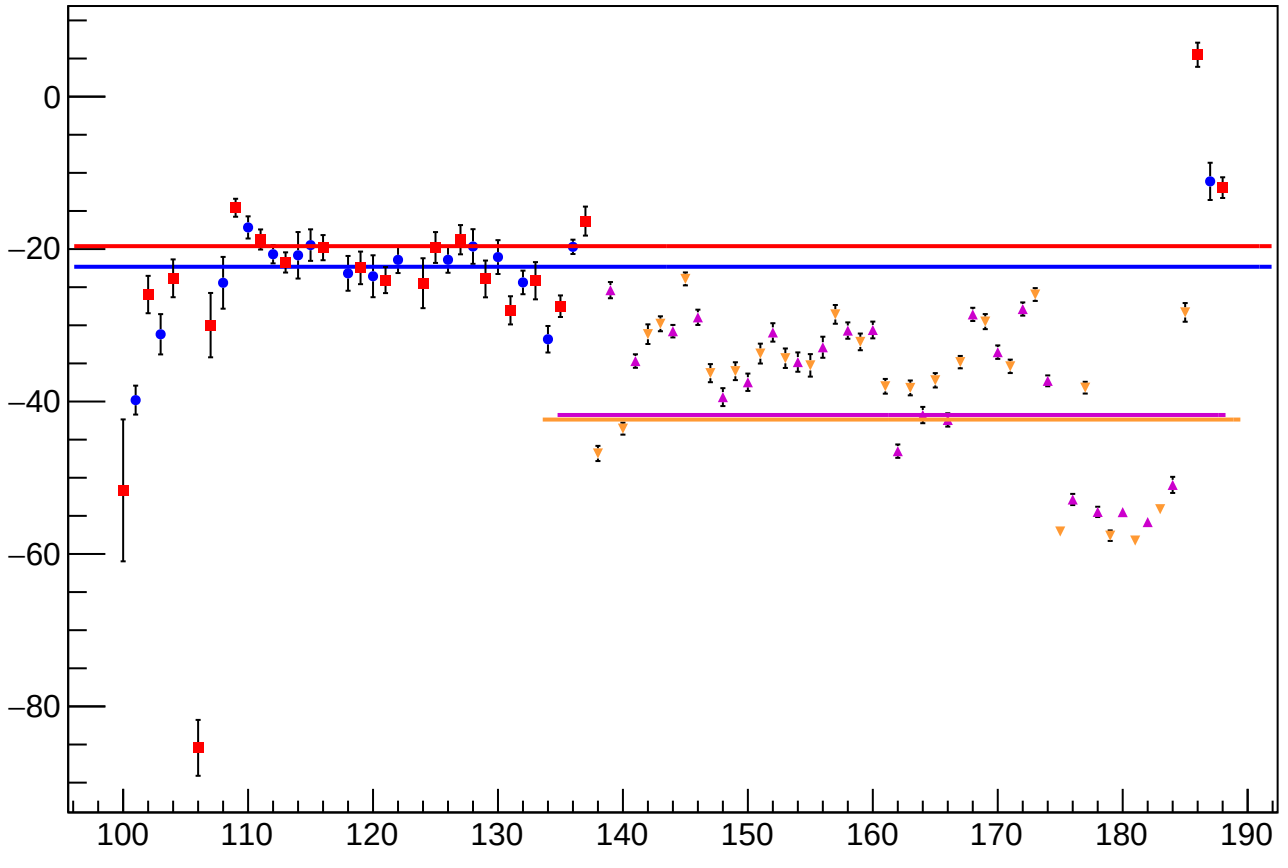
Left: -0.118+/-0.002 χ^2/NDF: 556.0/47

Right: 0.085+/-0.007 χ^2/NDF: 3469.1/37

In: -0.099+/-0.002 χ^2/NDF:1408.8/39

Out: -0.110+/-0.002 χ^2/NDF:3468.5/45

All: -0.105+/-0.002 χ^2/NDF: 4887.7/85



Right In: -22.320+/-0.428 χ^2/NDF: 176.2/16

Left Out: -42.366+/-0.175 χ^2/NDF:4477.3/24

Right Out: -19.616+/-0.401 χ^2/NDF: 726.1/20

Left In: -41.764+/-0.182 χ^2/NDF:3459.2/22

Left: -42.076+/-0.126 χ^2/NDF: 7942.1/47

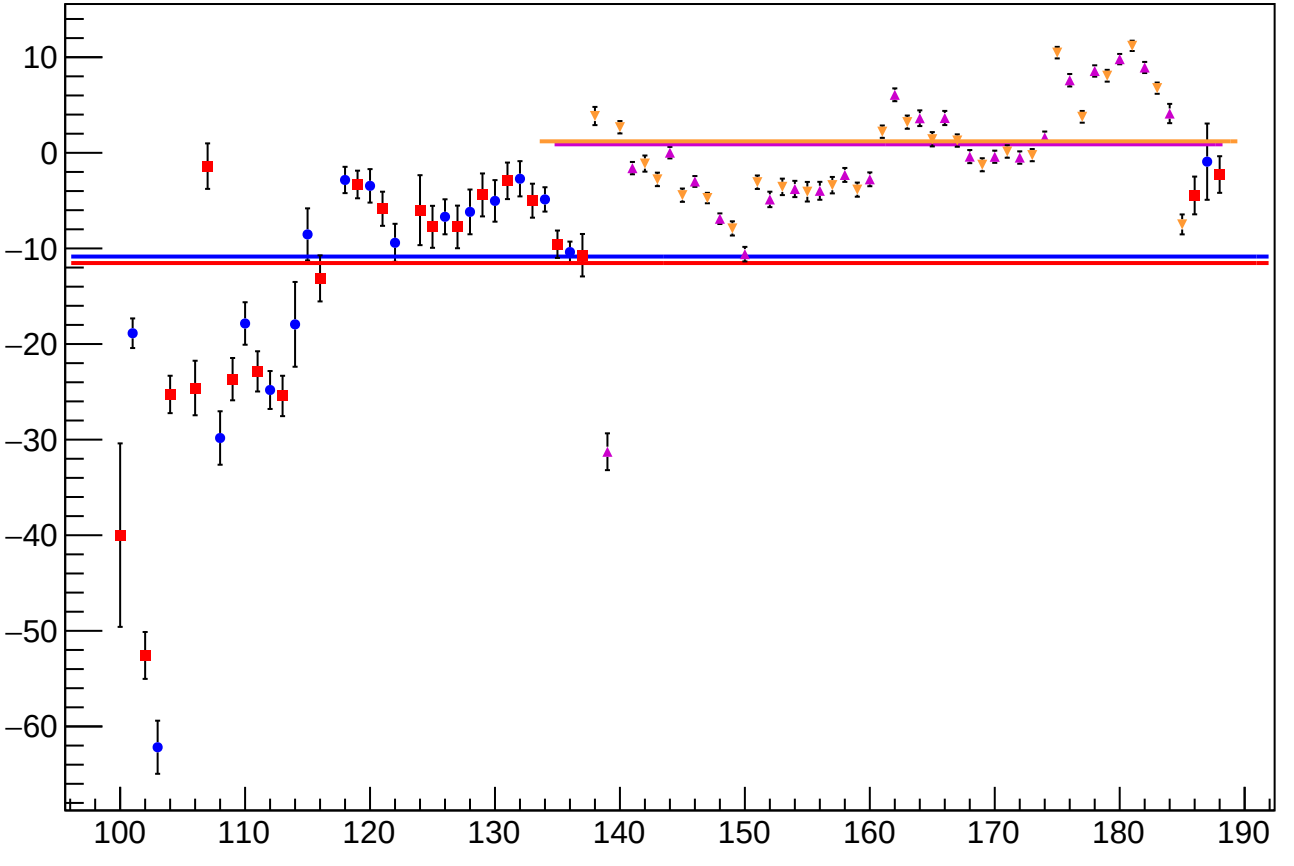
Right: -20.881+/-0.293 χ^2/NDF: 923.5/37

In: -38.792+/-0.167 χ^2/NDF:5385.2/39

Out: -38.719+/-0.161 χ^2/NDF:7906.2/45

All: -38.754+/-0.116 χ^2/NDF: 13291.6/85

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -10.850+/-0.450 χ^2/NDF: 593.5/16

Left Out: 1.203+/-0.138 χ^2/NDF:1463.6/24

Right Out: -11.529+/-0.454 χ^2/NDF: 612.9/20

Left In: 0.889+/-0.143 χ^2/NDF:1763.7/22

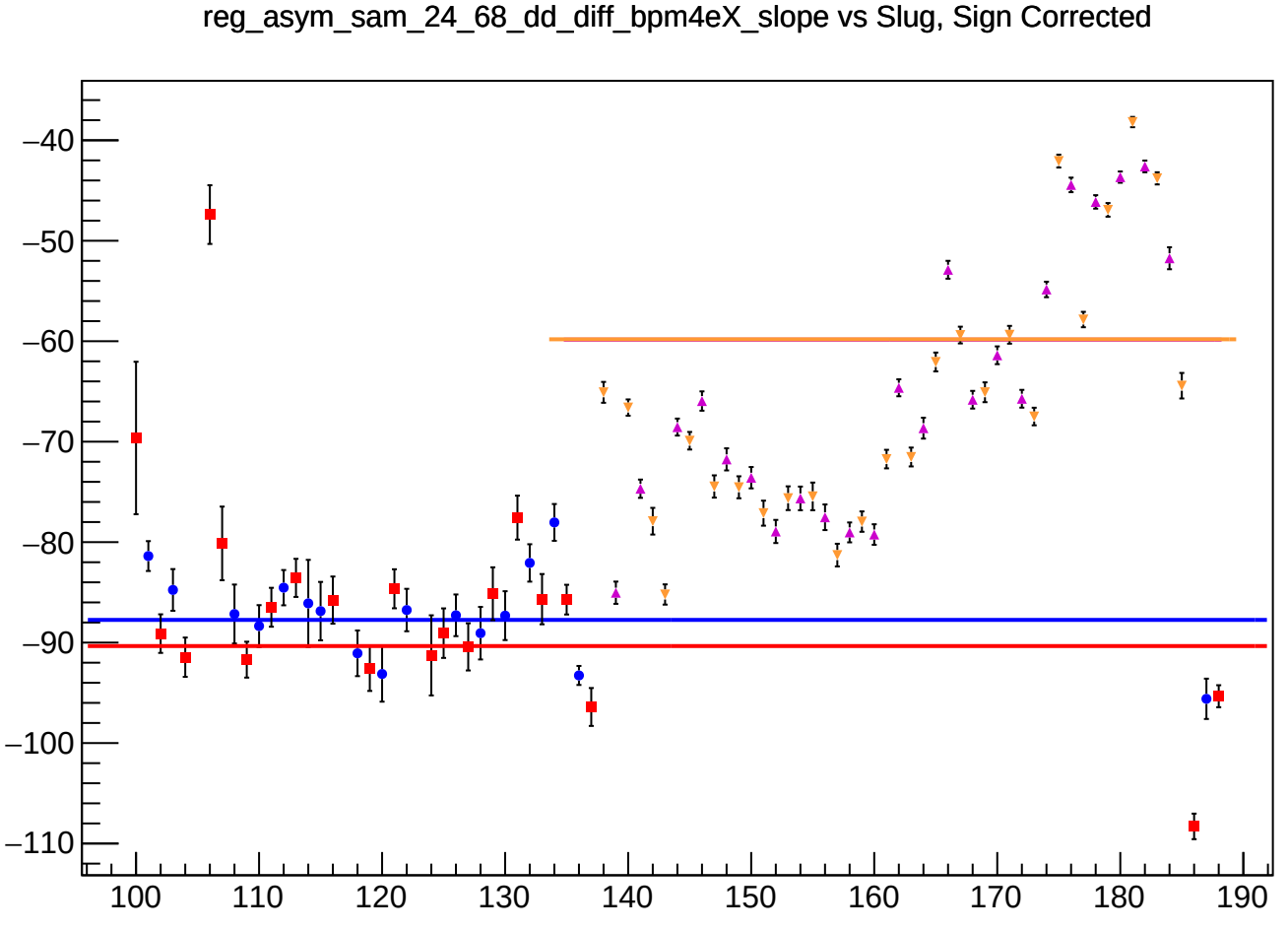
Left: 1.051+/-0.099 χ^2/NDF: 3229.8/47

Right: -11.187+/-0.320 χ^2/NDF: 1207.5/37

In: -0.185+/-0.136 χ^2/NDF:2974.4/39

Out: 0.124+/-0.132 χ^2/NDF:2796.0/45

All: -0.025+/-0.095 χ^2/NDF: 5773.0/85



Right In: -87.741+/-0.467 χ^2/NDF: 117.4/16

Left Out: -59.809+/-0.175 χ^2/NDF:6645.1/24

Right Out: -90.343+/-0.432 χ^2/NDF: 545.0/20

Left In: -59.846+/-0.181 χ^2/NDF:5534.1/22

Left: -59.827+/-0.126 χ^2/NDF: 12179.2/47

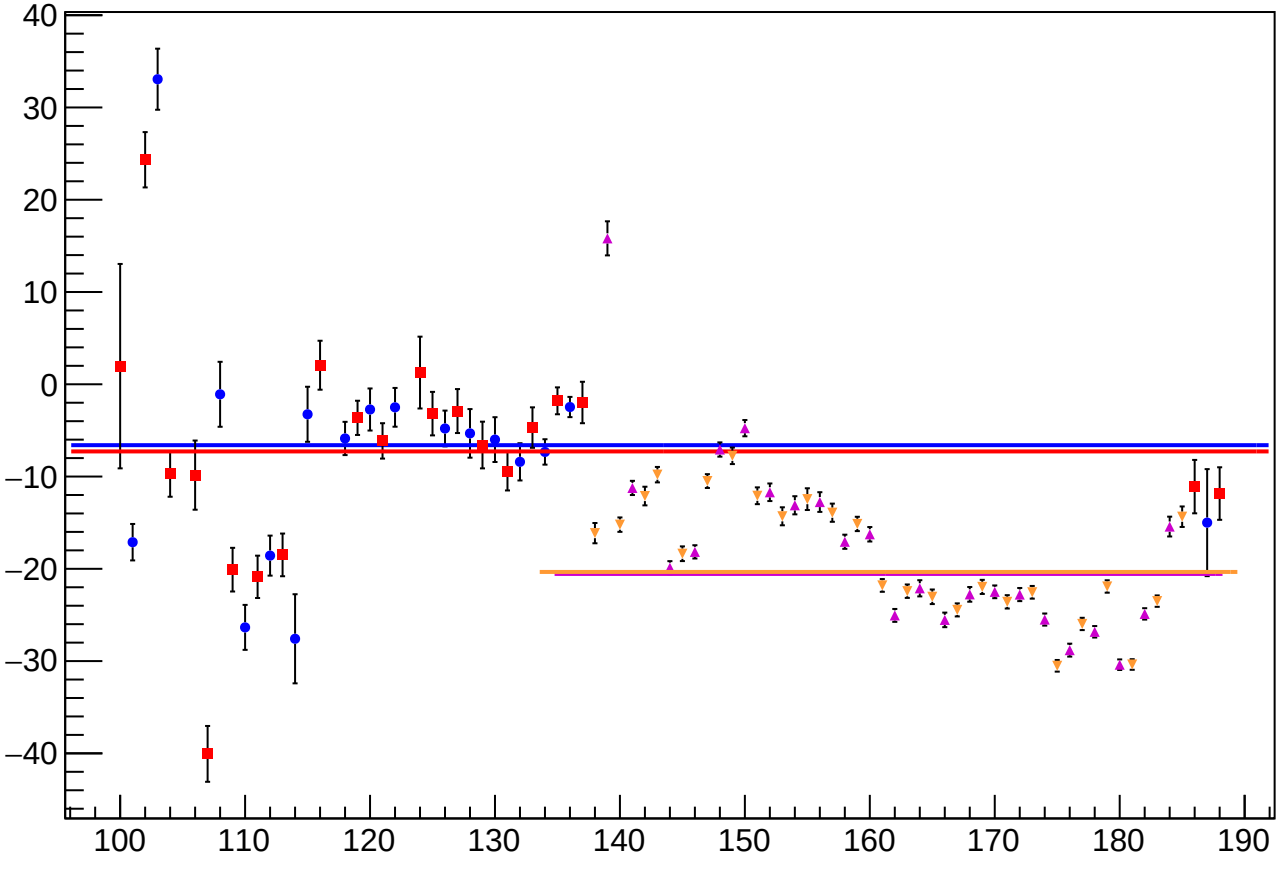
Right: -89.144+/-0.317 χ^2/NDF: 679.1/37

In: -63.487+/-0.169 χ^2/NDF:8749.1/39

Out: -64.127+/-0.162 χ^2/NDF:11480.3/45

All: -63.819+/-0.117 χ^2/NDF: 20236.8/85

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -6.600+/-0.506 χ^2/NDF: 316.1/16

Left Out: -20.339+/-0.155 χ^2/NDF:1701.1/24

Right Out: -7.278+/-0.523 χ^2/NDF: 372.9/20

Left In: -20.555+/-0.160 χ^2/NDF:2193.8/22

Left: -20.444+/-0.111 χ^2/NDF: 3895.8/47

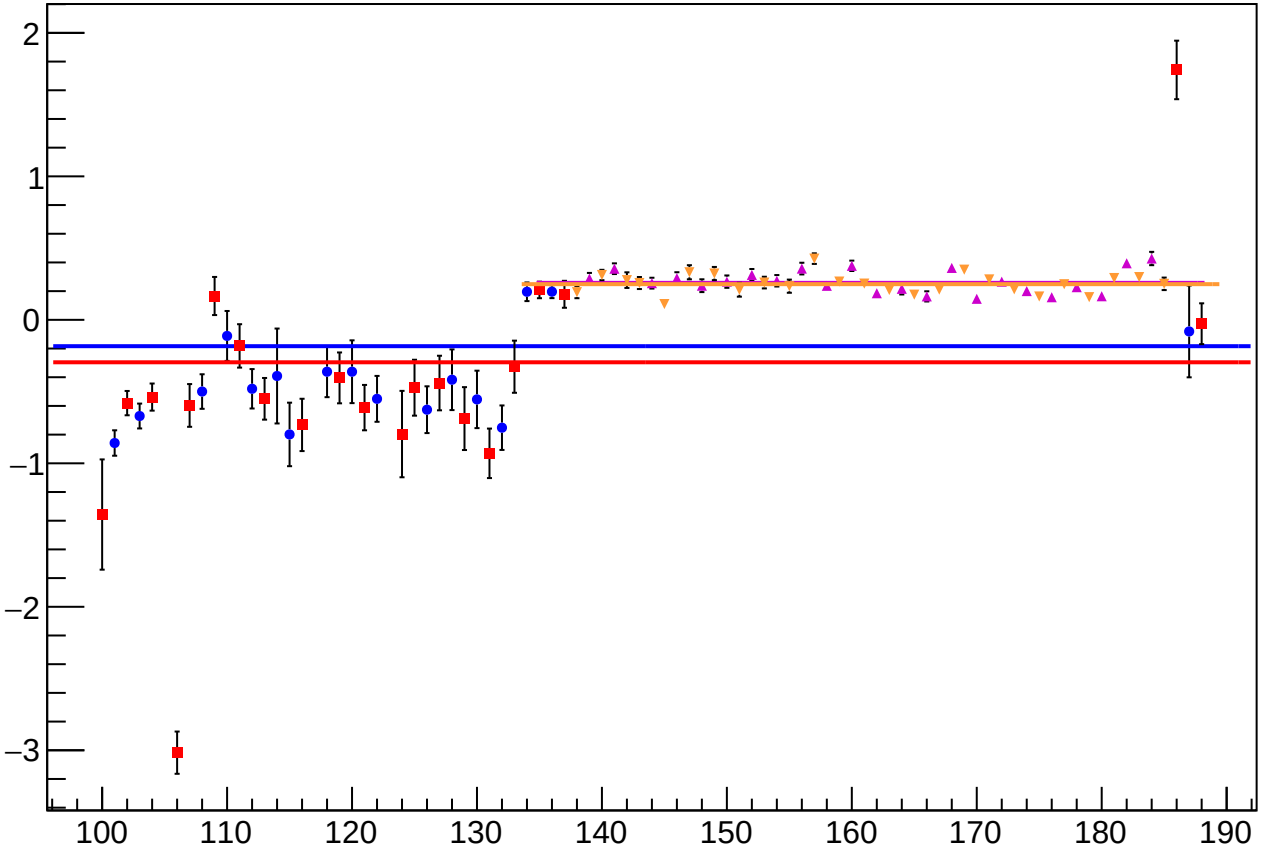
Right: -6.927+/-0.364 χ^2/NDF: 689.9/37

In: -19.292+/-0.152 χ^2/NDF:3201.8/39

Out: -19.291+/-0.148 χ^2/NDF:2646.9/45

All: -19.292+/-0.106 χ^2/NDF: 5848.7/85

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.184+/-0.027 χ^2/NDF: 247.4/16

Left Out: 0.249+/-0.007 χ^2/NDF:93.2/24

Right Out: -0.296+/-0.028 χ^2/NDF: 623.2/20

Left In: 0.258+/-0.007 χ^2/NDF:134.3/22

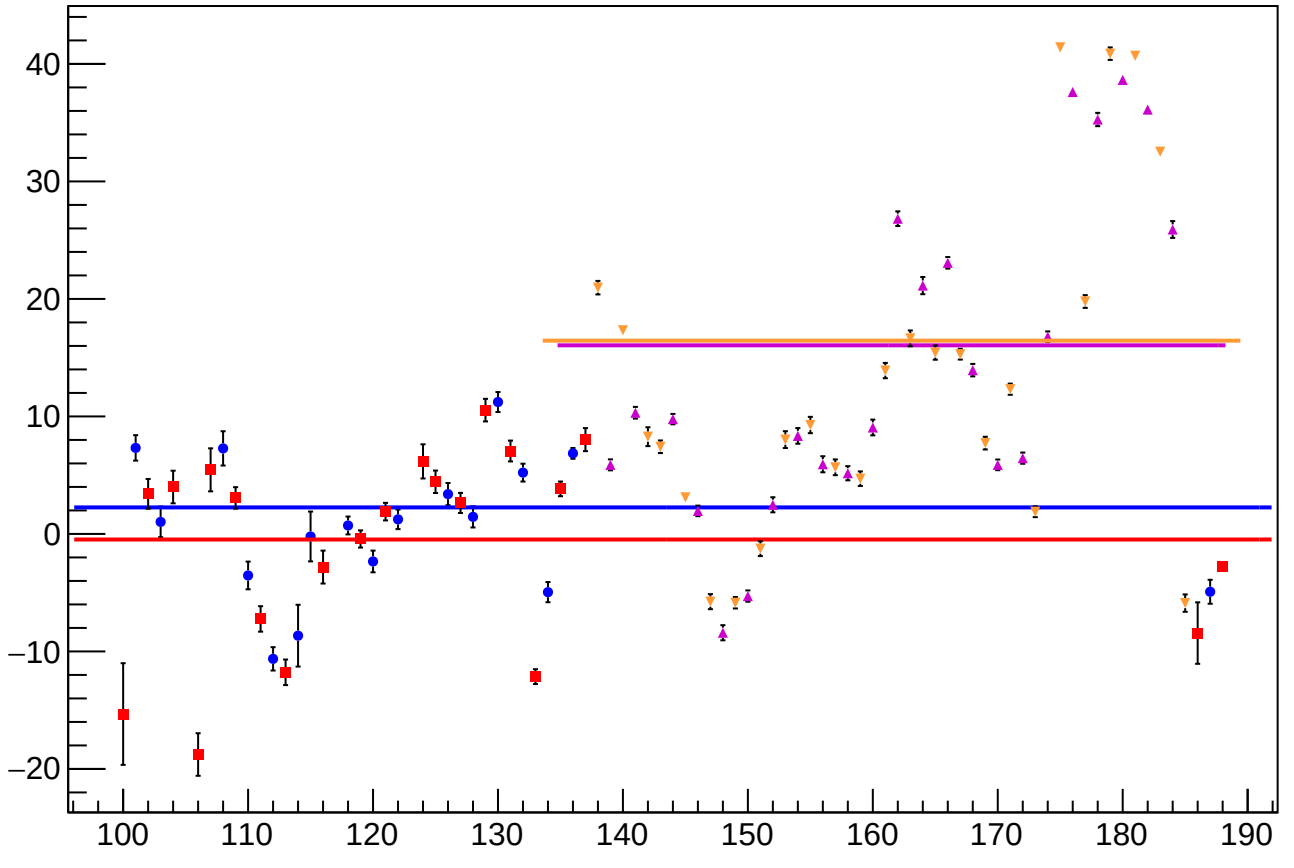
Left: 0.253+/-0.005 χ^2/NDF: 228.3/47

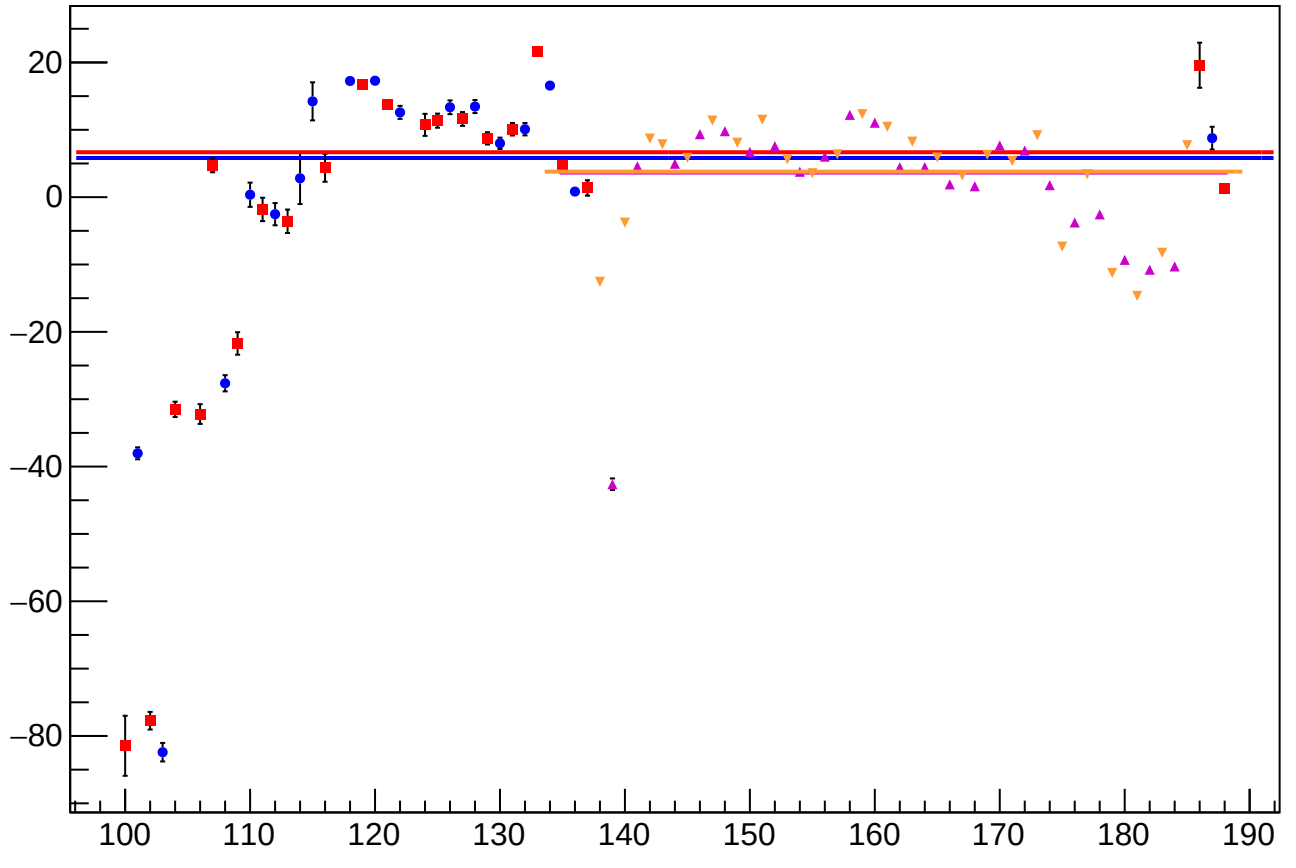
Right: -0.236+/-0.019 χ^2/NDF: 878.9/37

In: 0.228+/-0.007 χ^2/NDF:637.2/39

Out: 0.218+/-0.007 χ^2/NDF:1062.3/45

All: 0.223+/-0.005 χ^2/NDF: 1700.7/85


reg_asym_sam_26_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected
40
30
20
10
0
−10
−20
100
110
120
130
140
150
160
170
180
190
Right In: 2.257+/-0.219 χ²/NDF: 625.0/16
Left Out: 16.449+/-0.104 χ²/NDF:21400.3/24
Right Out: -0.474+/-0.191 χ²/NDF: 1091.3/20
Left In: 16.051+/-0.107 χ²/NDF:17625.1/22
Left: 16.256+/-0.075 χ²/NDF: 39032.5/47
Right: 0.705+/-0.144 χ²/NDF: 1804.8/37
In: 13.381+/-0.096 χ²/NDF:21452.8/39
Out: 12.572+/-0.091 χ²/NDF:28556.1/45
All: 12.955+/-0.066 χ²/NDF: 50046.0/85



Right In: 5.813+/-0.208 χ^2/NDF: 8936.9/16

Left Out: 3.790+/-0.080 χ^2/NDF:9100.7/24

Right Out: 6.669+/-0.195 χ^2/NDF: 8513.1/20

Left In: 3.649+/-0.083 χ^2/NDF:8310.7/22

Left: 3.722+/-0.058 χ^2/NDF: 17412.8/47

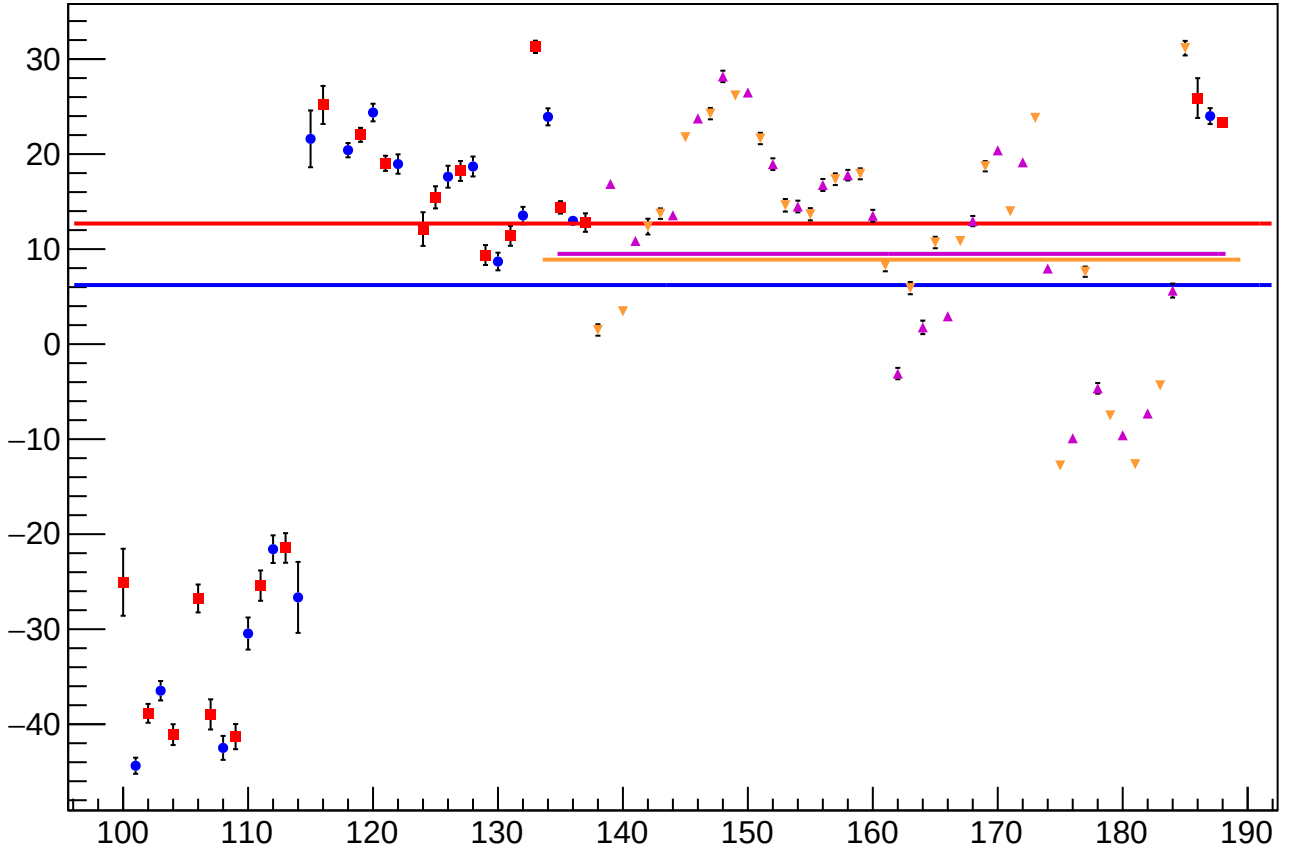
Right: 6.269+/-0.142 χ^2/NDF: 17459.0/37

In: 3.945+/-0.077 χ^2/NDF:17340.9/39

Out: 4.206+/-0.074 χ^2/NDF:17800.5/45

All: 4.081+/-0.053 χ^2/NDF: 35147.3/85

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 6.218+/-0.228 χ^2/NDF: 9982.0/16

Left Out: 8.892+/-0.104 χ^2/NDF:15428.1/24

Right Out: 12.692+/-0.188 χ^2/NDF: 12119.0/20

Left In: 9.500+/-0.107 χ^2/NDF:13040.9/22

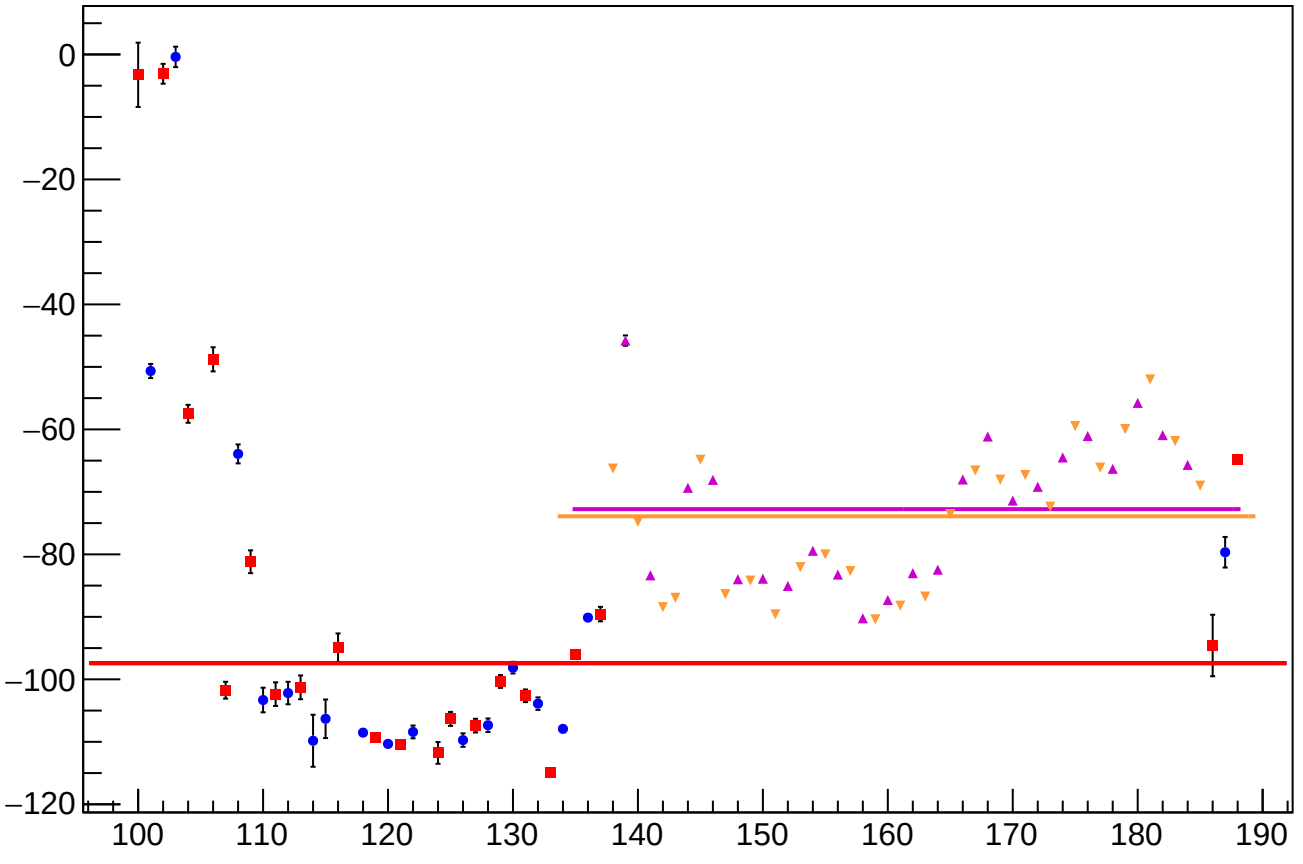
Left: 9.188+/-0.074 χ^2/NDF: 28485.8/47

Right: 10.081+/-0.145 χ^2/NDF: 22580.4/37

In: 8.914+/-0.097 χ^2/NDF:23192.6/39

Out: 9.780+/-0.091 χ^2/NDF:27861.0/45

All: 9.374+/-0.066 χ^2/NDF: 51096.2/85



Right In: -97.408+/-0.241 χ^2/NDF: 7197.4/16

Left Out: -73.907+/-0.090 χ^2/NDF:15567.0/24

Right Out: -97.426+/-0.230 χ^2/NDF: 8943.1/20

Left In: -72.763+/-0.093 χ^2/NDF:12612.6/22

Left: -73.353+/-0.065 χ^2/NDF: 28257.1/47

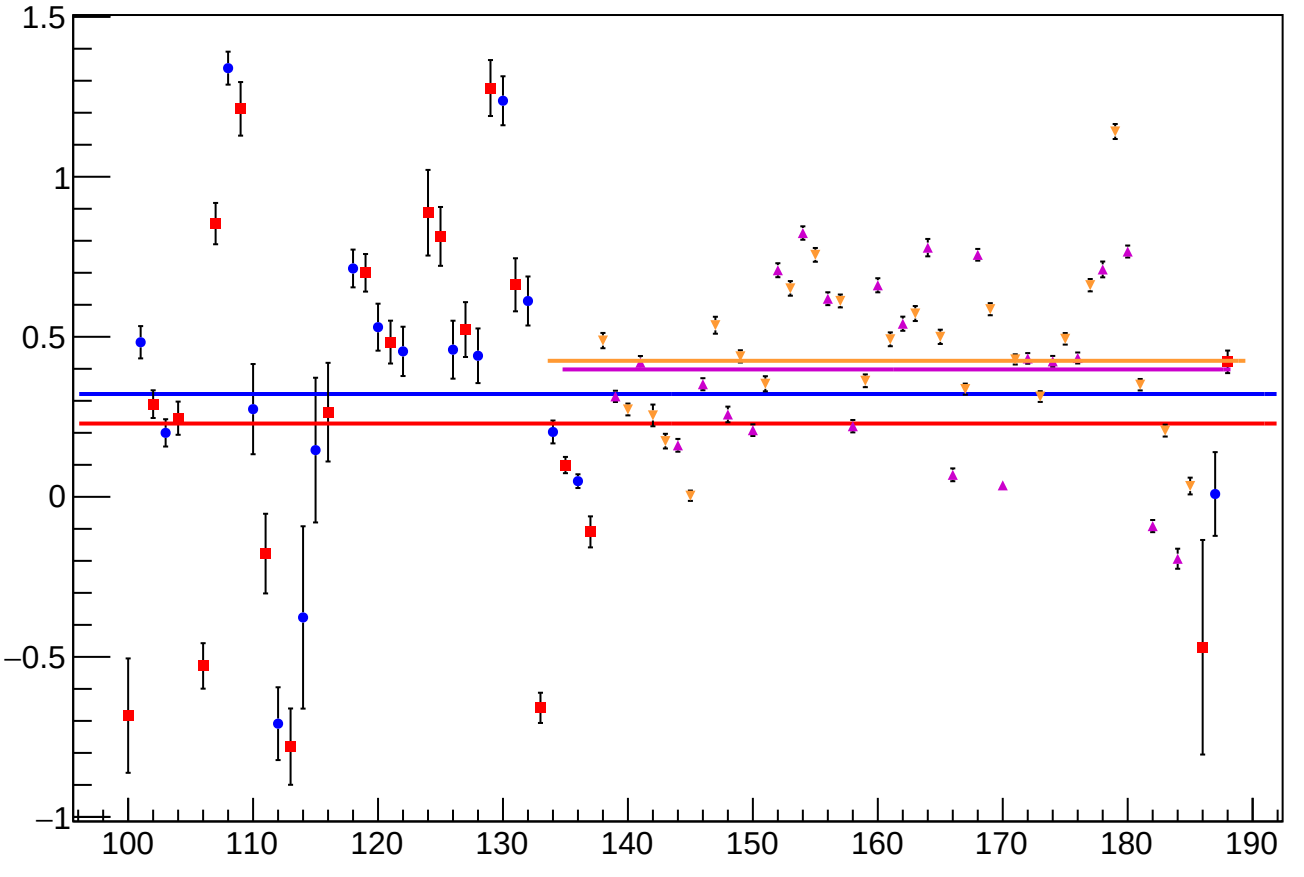
Right: -97.417+/-0.166 χ^2/NDF: 16140.5/37

In: -75.988+/-0.087 χ^2/NDF:28935.3/39

Out: -77.049+/-0.084 χ^2/NDF:33540.0/45

All: -76.536+/-0.061 χ^2/NDF: 62552.0/85

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.321+/-0.013 χ^2/NDF: 892.3/16

Left Out: 0.425+/-0.004 χ^2/NDF:3035.4/24

Right Out: 0.229+/-0.013 χ^2/NDF: 1244.8/20

Left In: 0.398+/-0.004 χ^2/NDF:4271.0/22

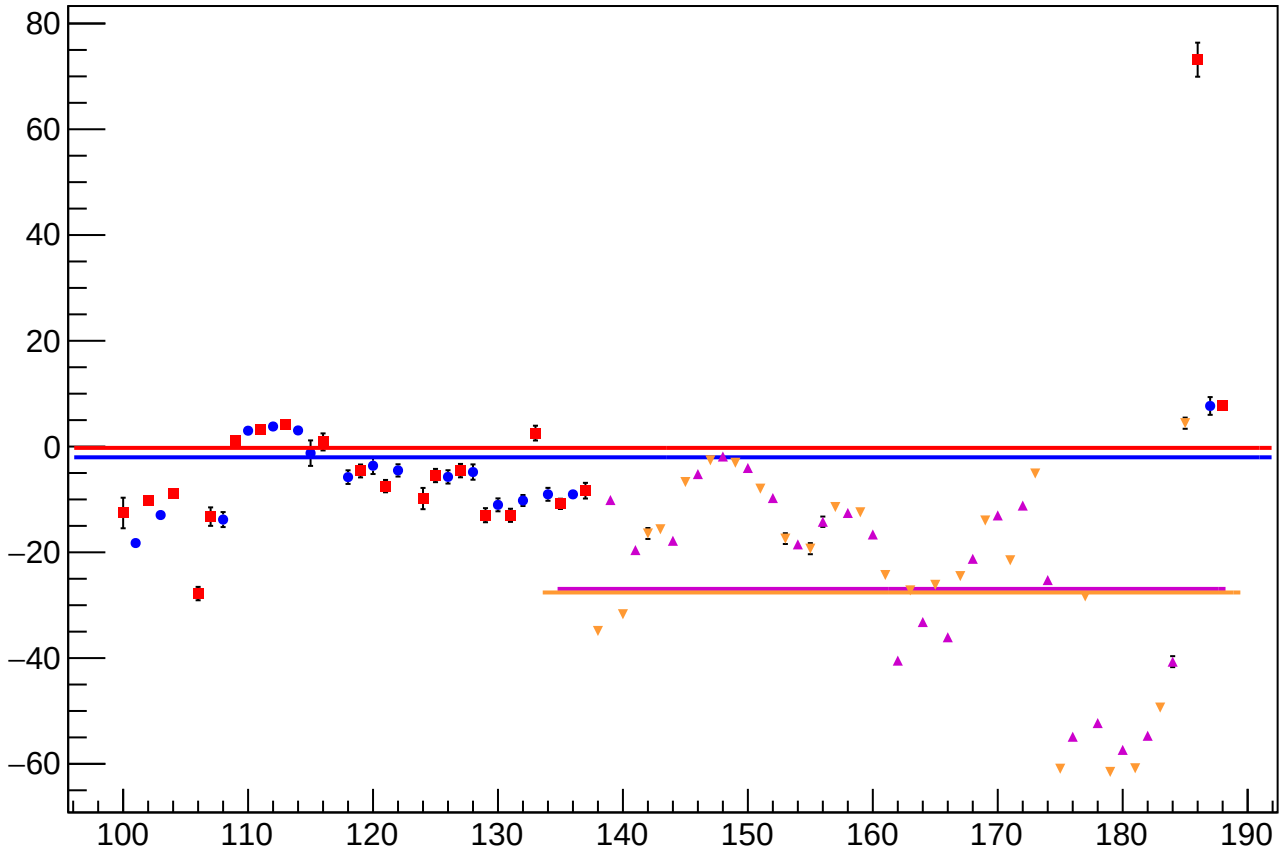
Left: 0.412+/-0.003 χ^2/NDF: 7328.2/47

Right: 0.274+/-0.009 χ^2/NDF: 2162.1/37

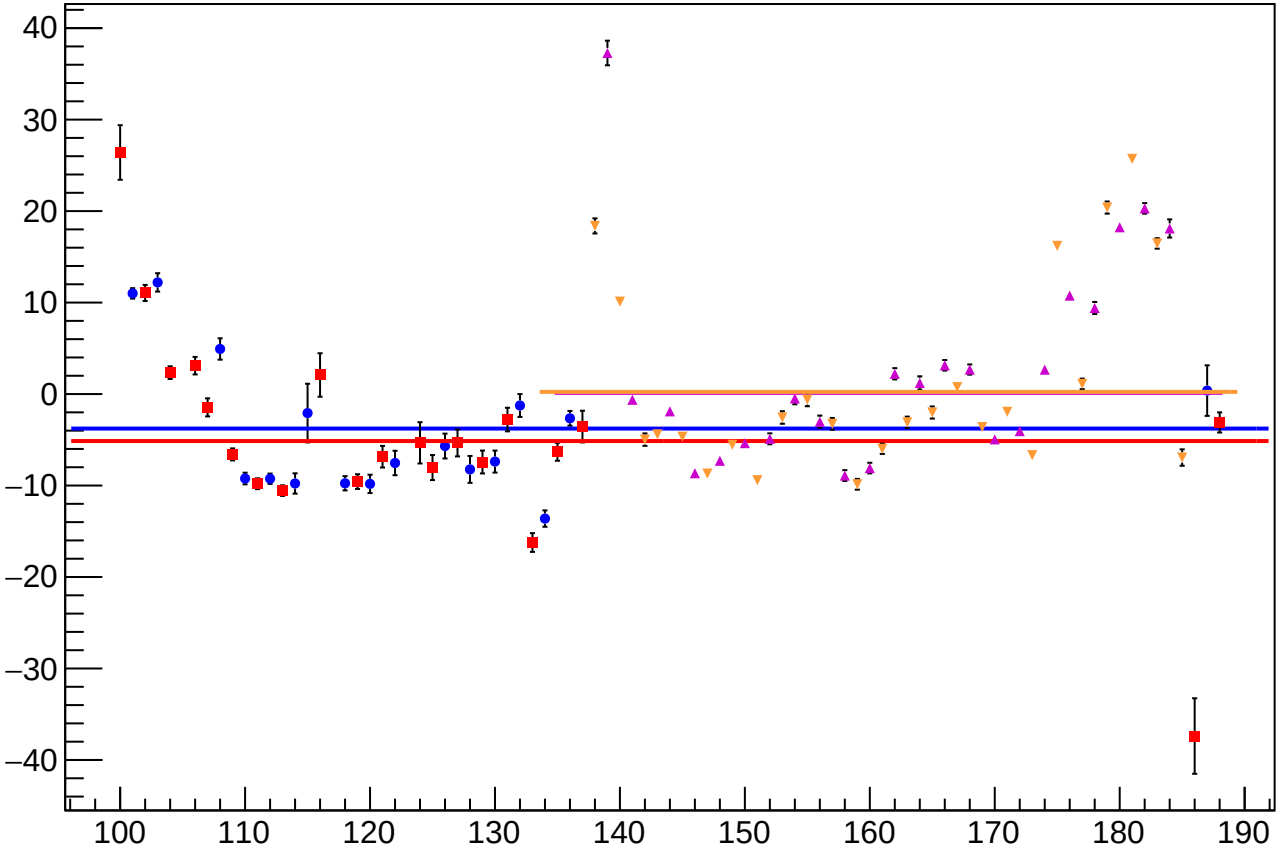
In: 0.391+/-0.004 χ^2/NDF:5194.0/39

Out: 0.407+/-0.004 χ^2/NDF:4491.0/45

All: 0.399+/-0.003 χ^2/NDF: 9693.6/85


reg_asym_sam_1548_avg_diff_bpm1X_slope vs Slug, Sign Corrected
80
60
40
20
0
−20
−40
−60
100
110
120
130
140
150
160
170
180
190
Right In: -2.032+/-0.191 χ²/NDF: 1524.9/16
Left Out: -27.594+/-0.144 χ²/NDF:19761.6/24
Right Out: -0.251+/-0.166 χ²/NDF: 2105.5/20
Left In: -26.918+/-0.149 χ²/NDF:15536.6/22
Left: -27.267+/-0.104 χ²/NDF: 35308.8/47
Right: -1.019+/-0.125 χ²/NDF: 3680.0/37
In: -17.471+/-0.118 χ²/NDF:27621.8/39
Out: -15.837+/-0.109 χ²/NDF:37304.5/45
All: -16.592+/-0.080 χ²/NDF: 65030.2/85

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -3.773+/-0.225 χ^2/NDF: 1427.8/16

Left Out: 0.238+/-0.110 χ^2/NDF:8035.6/24

Right Out: -5.136+/-0.214 χ^2/NDF: 1044.9/20

Left In: 0.131+/-0.114 χ^2/NDF:5837.4/22

Left: 0.187+/-0.079 χ^2/NDF: 13873.5/47

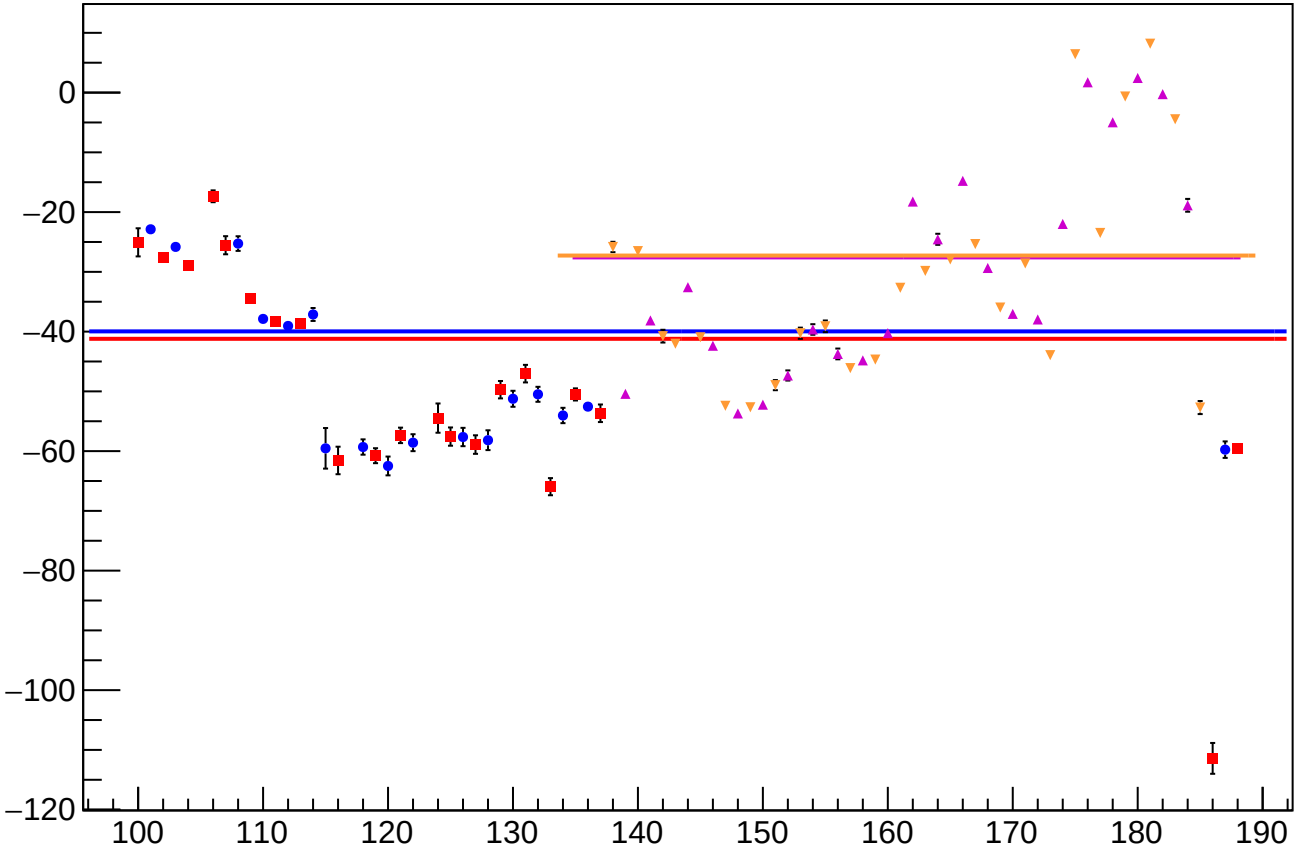
Right: -4.488+/-0.155 χ^2/NDF: 2492.0/37

In: -0.672+/-0.102 χ^2/NDF:7504.5/39

Out: -0.888+/-0.098 χ^2/NDF:9577.9/45

All: -0.784+/-0.071 χ^2/NDF: 17084.8/85

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -39.960+/-0.223 χ^2/NDF: 3169.3/16

Left Out: -27.271+/-0.144 χ^2/NDF:18526.9/24

Right Out: -41.205+/-0.201 χ^2/NDF: 4530.8/20

Left In: -27.583+/-0.148 χ^2/NDF:15648.7/22

Left: -27.423+/-0.103 χ^2/NDF: 34177.9/47

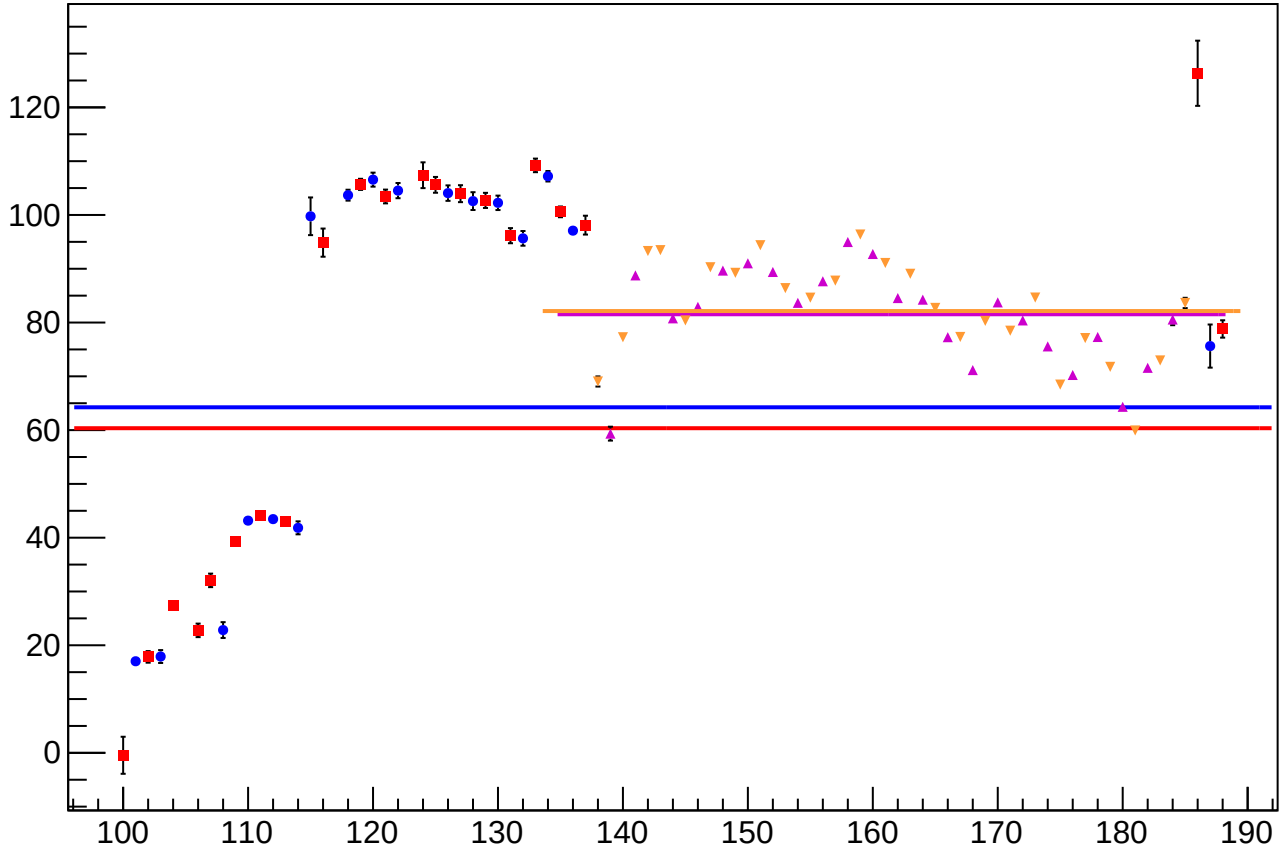
Right: -40.647+/-0.149 χ^2/NDF: 7717.3/37

In: -31.386+/-0.123 χ^2/NDF:20961.2/39

Out: -32.006+/-0.117 χ^2/NDF:26244.7/45

All: -31.713+/-0.085 χ^2/NDF: 47219.2/85

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 64.243+/-0.257 χ^2/NDF: 18604.5/16

Left Out: 82.134+/-0.125 χ^2/NDF:5375.9/24

Right Out: 60.355+/-0.246 χ^2/NDF: 17685.3/20

Left In: 81.539+/-0.129 χ^2/NDF:4043.0/22

Left: 81.846+/-0.090 χ^2/NDF: 9429.9/47

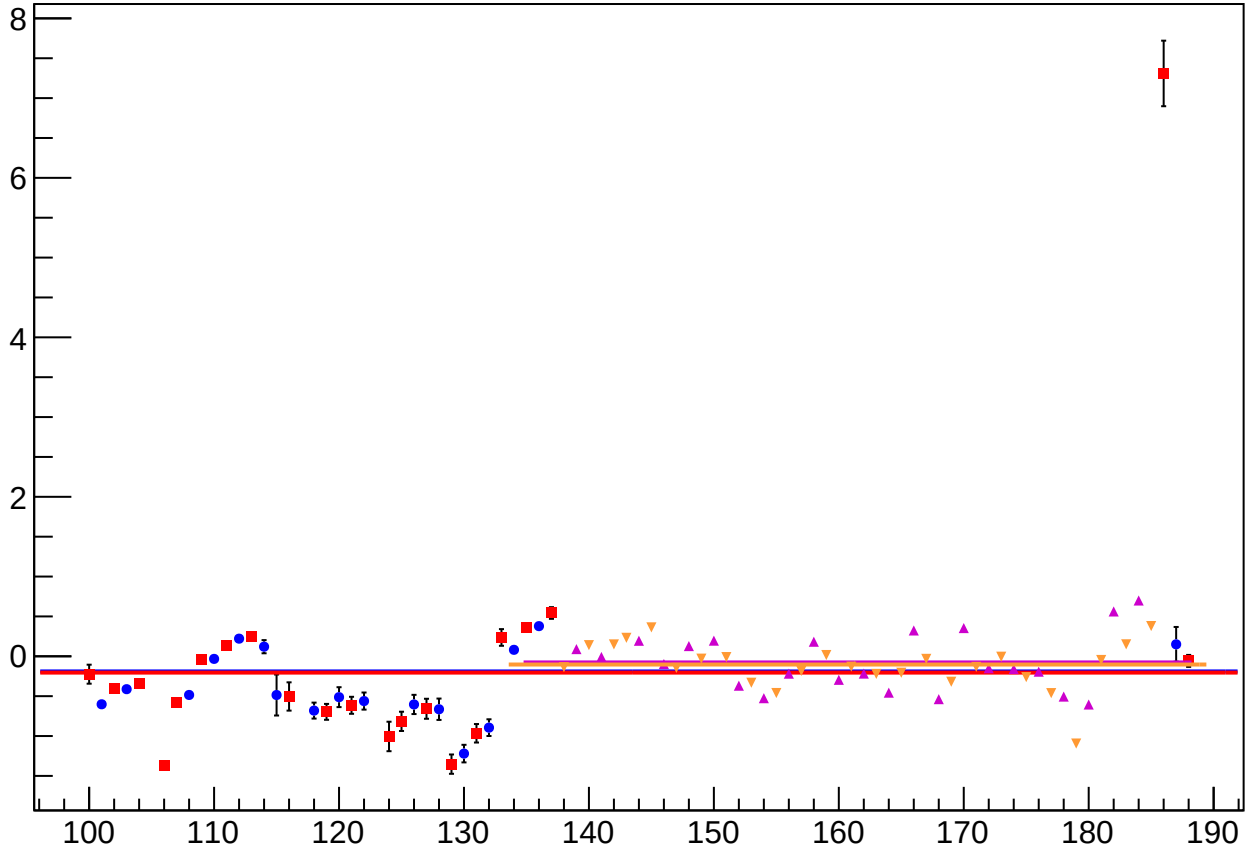
Right: 62.211+/-0.178 χ^2/NDF: 36409.4/37

In: 78.060+/-0.115 χ^2/NDF:26266.5/39

Out: 77.667+/-0.111 χ^2/NDF:29310.8/45

All: 77.857+/-0.080 χ^2/NDF: 55583.4/85

reg_asym_sam_1548_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.190+/-0.013 χ^2/NDF: 920.8/16

Left Out: -0.103+/-0.006 χ^2/NDF:2408.2/24

Right Out: -0.204+/-0.013 χ^2/NDF: 1706.9/20

Left In: -0.077+/-0.006 χ^2/NDF:3320.8/22

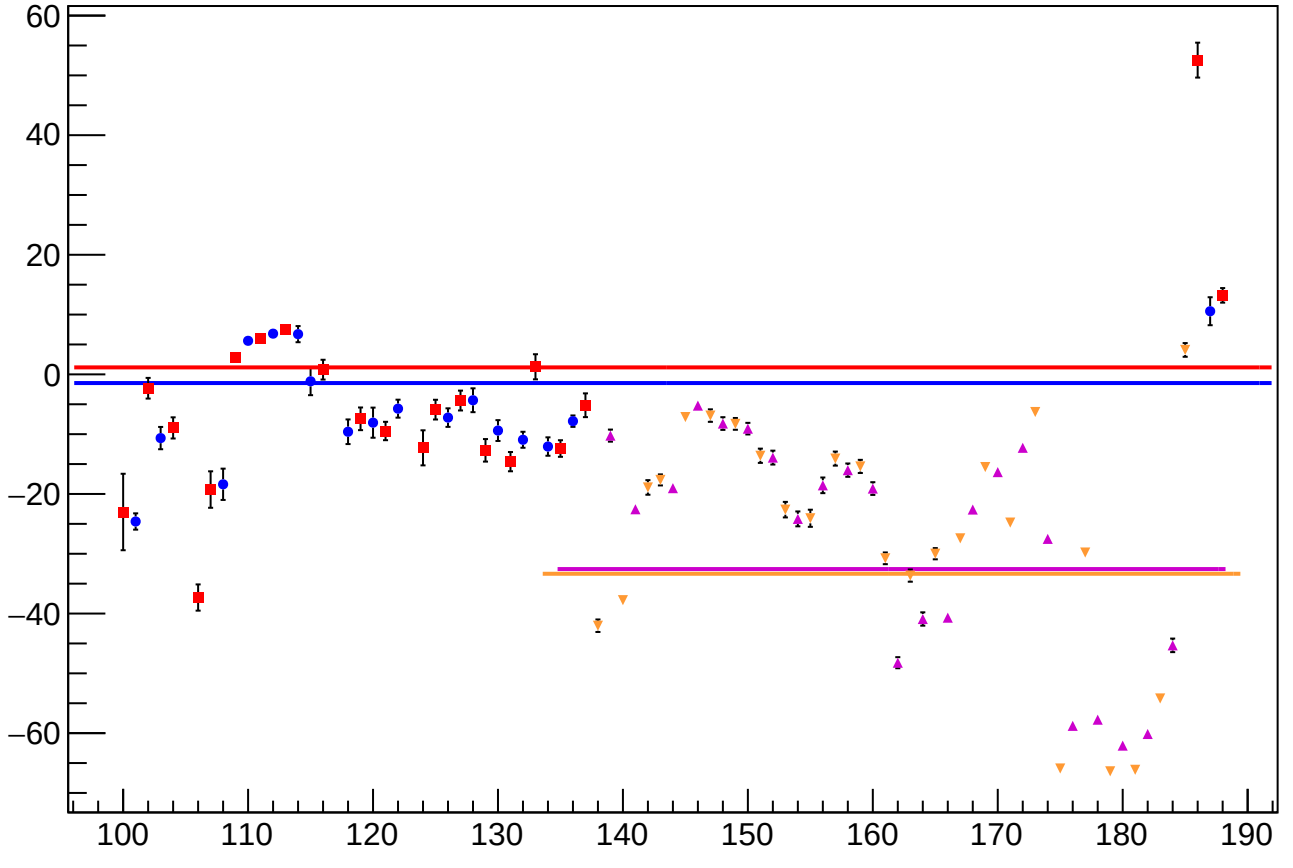
Left: -0.090+/-0.004 χ^2/NDF: 5739.7/47

Right: -0.197+/-0.009 χ^2/NDF: 2628.4/37

In: -0.094+/-0.005 χ^2/NDF:4301.5/39

Out: -0.120+/-0.005 χ^2/NDF:4168.0/45

All: -0.107+/-0.004 χ^2/NDF: 8481.2/85



Right In: -1.452+/-0.305 χ^2/NDF: 927.1/16

Left Out: -33.346+/-0.165 χ^2/NDF:17989.6/24

Right Out: 1.167+/-0.273 χ^2/NDF: 1354.7/20

Left In: -32.559+/-0.169 χ^2/NDF:13896.0/22

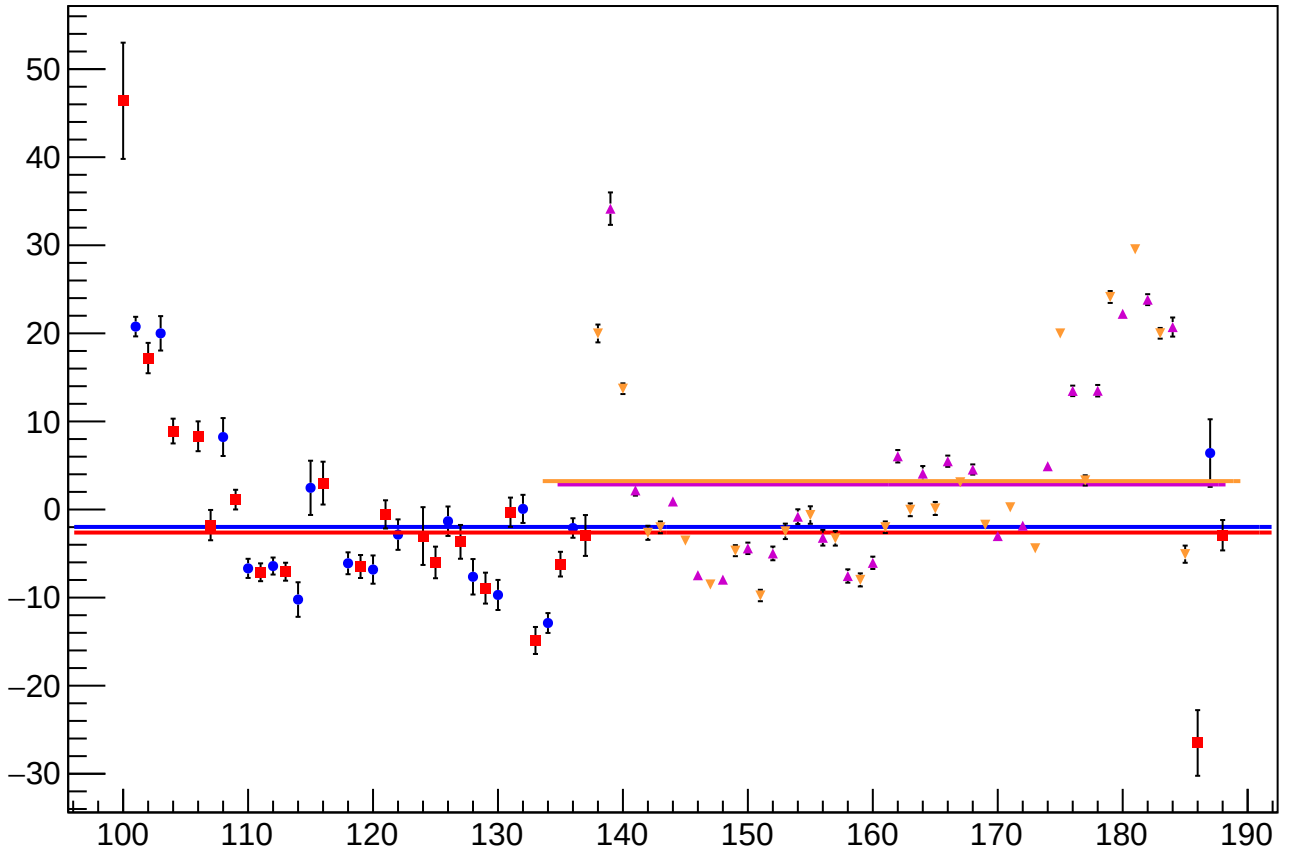
Left: -32.964+/-0.118 χ^2/NDF: 31896.7/47

Right: 0.002+/-0.204 χ^2/NDF: 2322.6/37

In: -25.240+/-0.148 χ^2/NDF:22754.7/39

Out: -24.166+/-0.141 χ^2/NDF:31037.4/45

All: -24.676+/-0.102 χ^2/NDF: 53819.7/85



Right In: -1.978+/-0.355 χ^2/NDF: 776.7/16

Left Out: 3.224+/-0.128 χ^2/NDF:7675.6/24

Right Out: -2.615+/-0.346 χ^2/NDF: 492.4/20

Left In: 2.845+/-0.131 χ^2/NDF:5455.5/22

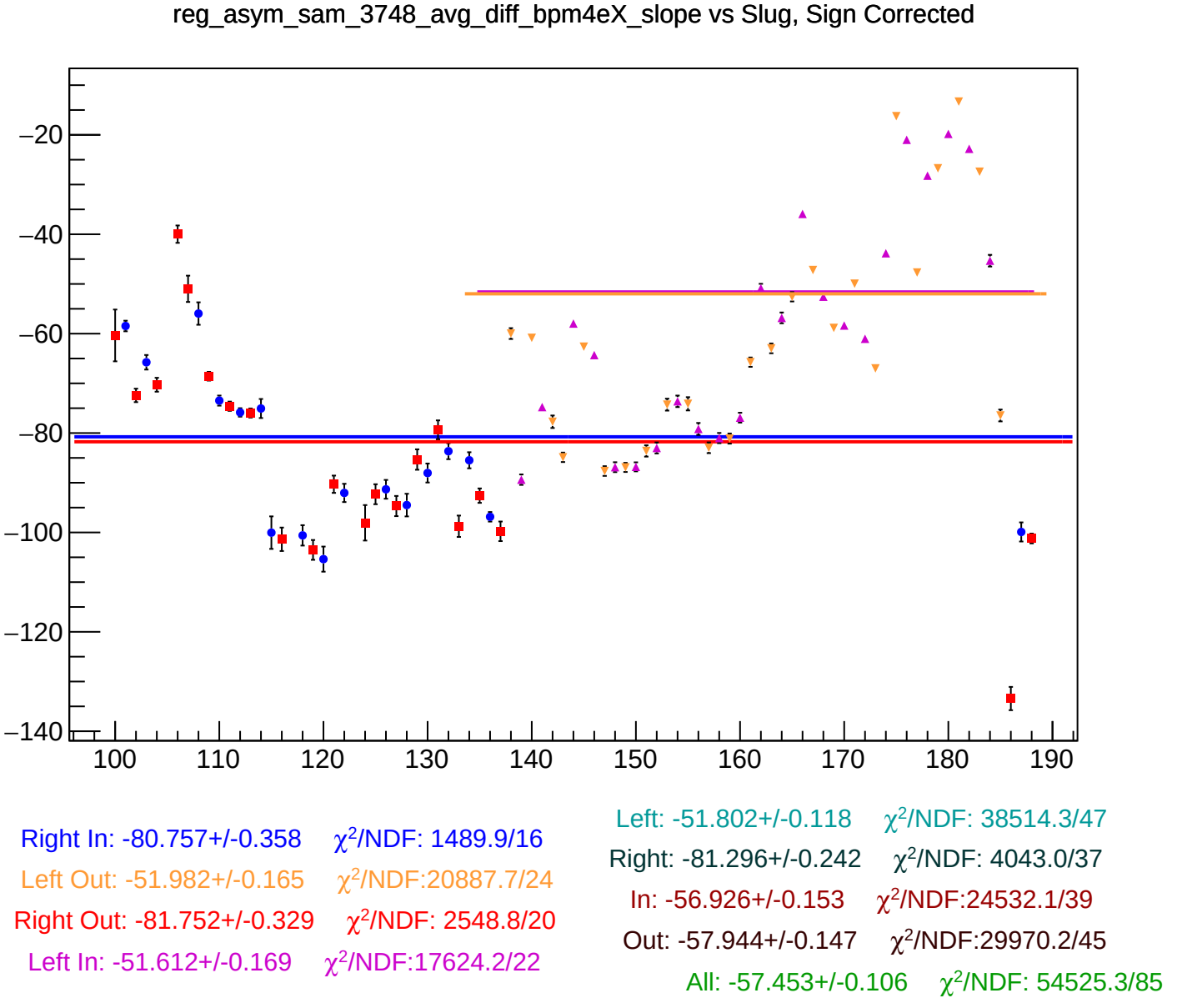
Left: 3.039+/-0.092 χ^2/NDF: 13135.4/47

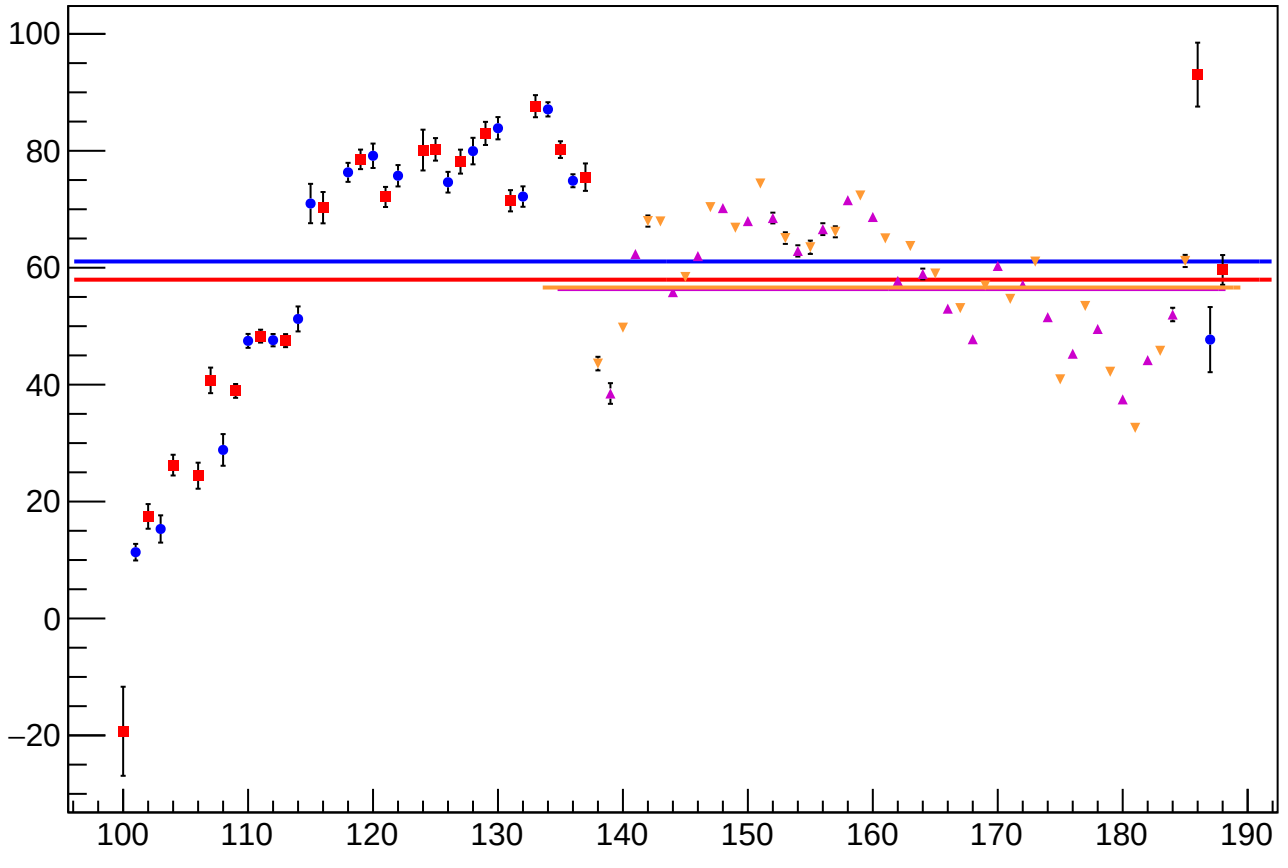
Right: -2.304+/-0.248 χ^2/NDF: 1270.8/37

In: 2.264+/-0.123 χ^2/NDF:6394.9/39

Out: 2.522+/-0.120 χ^2/NDF:8418.0/45

All: 2.396+/-0.086 χ^2/NDF: 14815.1/85


reg_asym_sam_3748_avg_diff_bpm4eX_slope vs Slug, Sign Corrected
−20
−40
−60
−80
−100
−120
−140
100
110
120
130
140
150
160
170
180
190
Right In: -80.757+/-0.358 χ2/NDF: 1489.9/16
Left Out: -51.982+/-0.165 χ2/NDF:20887.7/24
Right Out: -81.752+/-0.329 χ2/NDF: 2548.8/20
Left In: -51.612+/-0.169 χ2/NDF:17624.2/22
Left: -51.802+/-0.118 χ2/NDF: 38514.3/47
Right: -81.296+/-0.242 χ2/NDF: 4043.0/37
In: -56.926+/-0.153 χ2/NDF:24532.1/39
Out: -57.944+/-0.147 χ2/NDF:29970.2/45
All: -57.453+/-0.106 χ2/NDF: 54525.3/85



Right In: 61.070+/-0.400 χ^2/NDF: 3235.1/16

Left Out: 56.612+/-0.144 χ^2/NDF:5666.2/24

Right Out: 57.957+/-0.394 χ^2/NDF: 2817.5/20

Left In: 56.348+/-0.147 χ^2/NDF:3968.7/22

Left: 56.483+/-0.103 χ^2/NDF: 9636.5/47

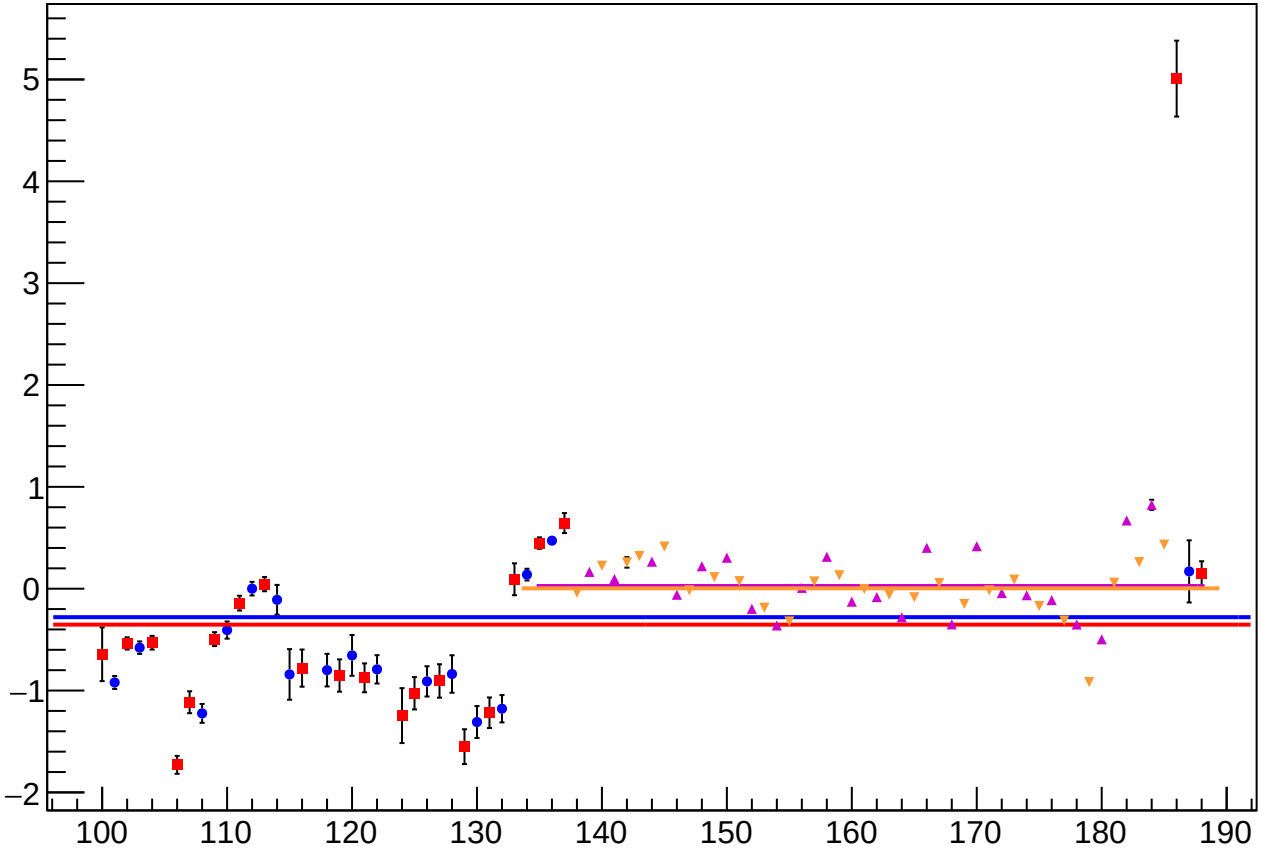
Right: 59.492+/-0.281 χ^2/NDF: 6083.3/37

In: 56.914+/-0.138 χ^2/NDF:7326.7/39

Out: 56.770+/-0.135 χ^2/NDF:8493.9/45

All: 56.840+/-0.097 χ^2/NDF: 15821.2/85

reg_asym_sam_3748_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.280+/-0.022 χ^2/NDF: 730.4/16

Left Out: 0.004+/-0.006 χ^2/NDF:1701.0/24

Right Out: -0.353+/-0.022 χ^2/NDF: 1045.0/20

Left In: 0.026+/-0.007 χ^2/NDF:2349.0/22

Left: 0.015+/-0.005 χ^2/NDF: 4056.1/47

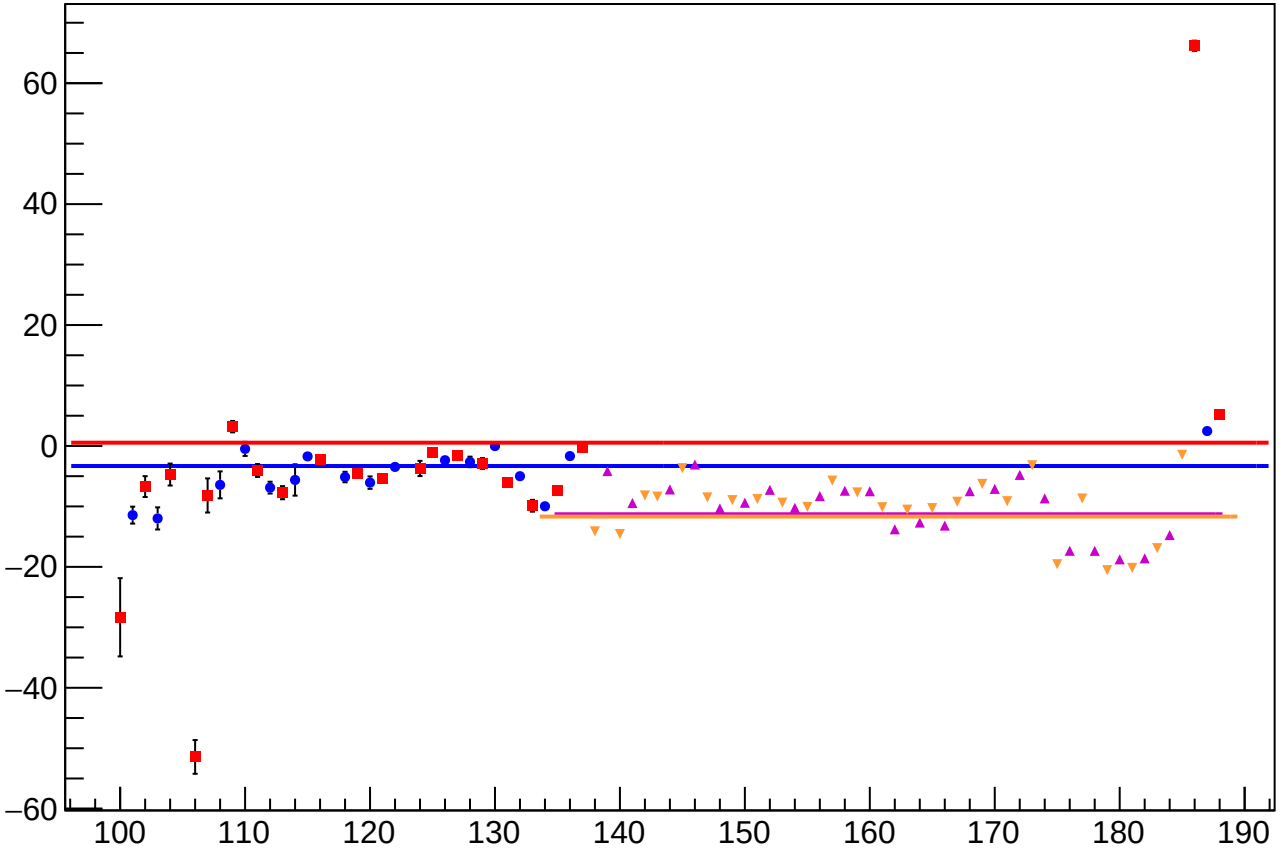
Right: -0.316+/-0.015 χ^2/NDF: 1781.2/37

In: 0.000+/-0.006 χ^2/NDF:3263.1/39

Out: -0.026+/-0.006 χ^2/NDF:2997.4/45

All: -0.013+/-0.004 χ^2/NDF: 6269.2/85

reg_asym_sam_1526_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -3.319+/-0.184 χ^2/NDF: 288.5/16

Left Out: -11.680+/-0.053 χ^2/NDF:12602.3/24

Right Out: 0.541+/-0.177 χ^2/NDF: 7285.5/20

Left In: -11.301+/-0.054 χ^2/NDF:9229.2/22

Left: -11.495+/-0.038 χ^2/NDF: 21856.8/47

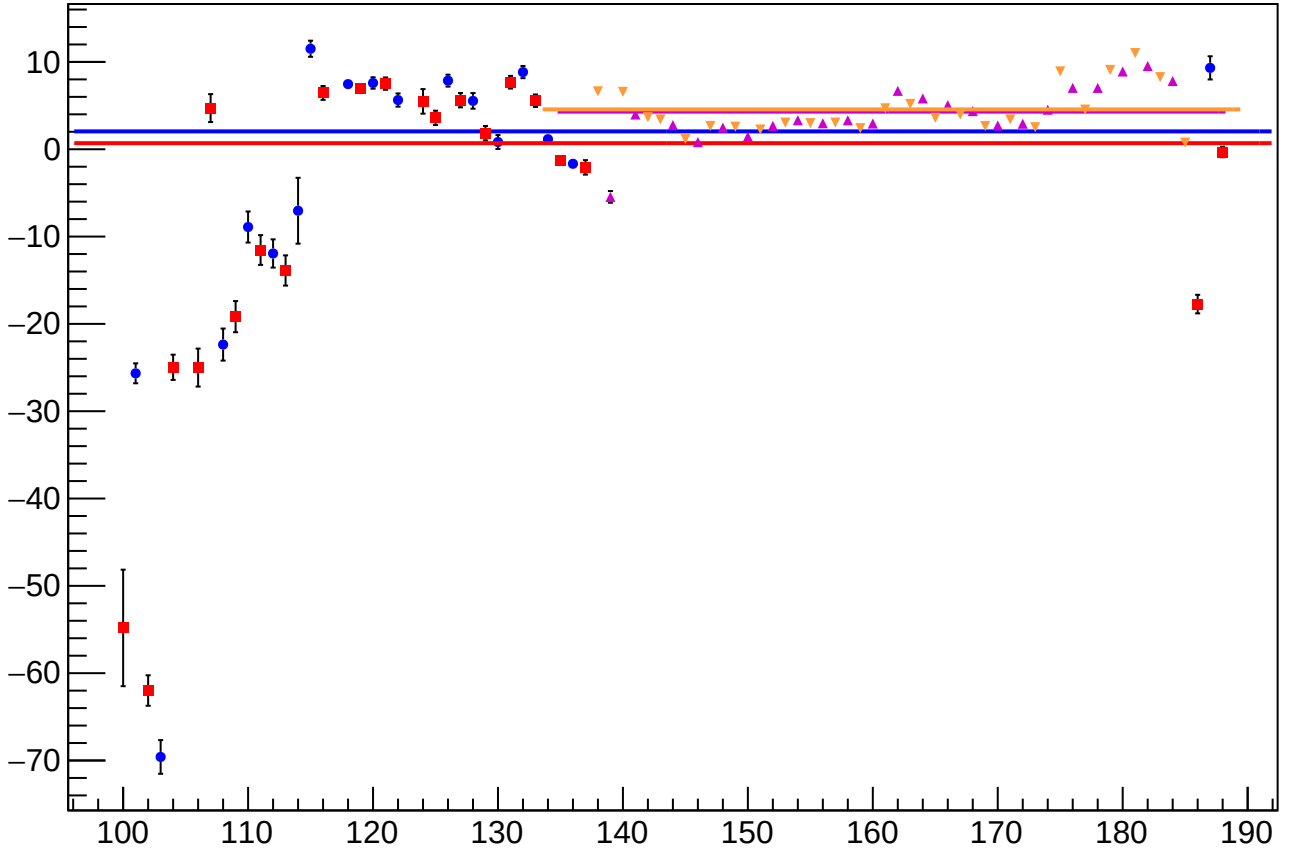
Right: -1.309+/-0.127 χ^2/NDF: 7802.9/37

In: -10.669+/-0.052 χ^2/NDF:11248.9/39

Out: -10.682+/-0.050 χ^2/NDF:24285.6/45

All: -10.676+/-0.036 χ^2/NDF: 35534.5/85

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.046+/-0.187 χ^2/NDF: 2868.8/16

Left Out: 4.564+/-0.041 χ^2/NDF:4356.3/24

Right Out: 0.696+/-0.193 χ^2/NDF: 2878.6/20

Left In: 4.308+/-0.042 χ^2/NDF:3609.0/22

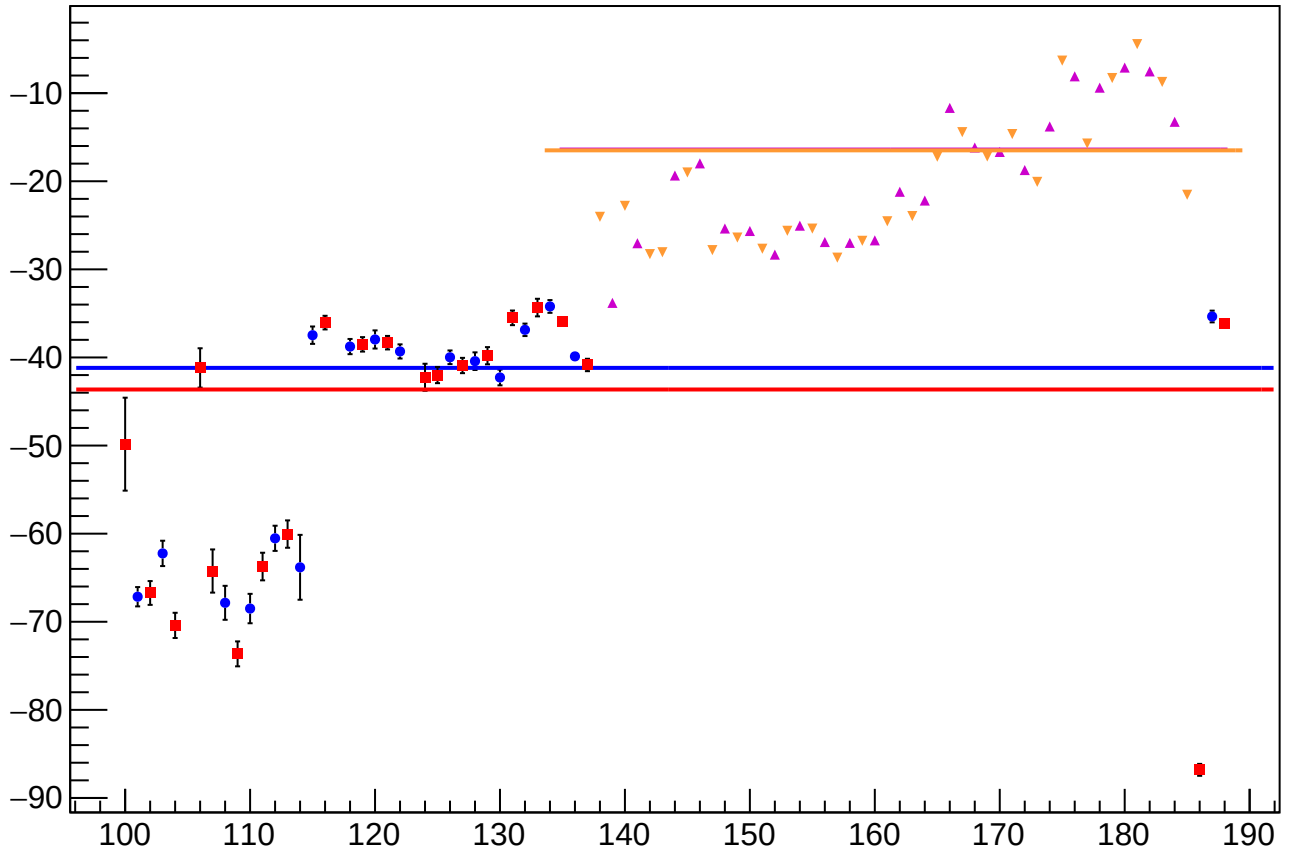
Left: 4.438+/-0.030 χ^2/NDF: 7984.1/47

Right: 1.393+/-0.134 χ^2/NDF: 5772.5/37

In: 4.199+/-0.041 χ^2/NDF:6616.9/39

Out: 4.395+/-0.040 χ^2/NDF:7617.2/45

All: 4.298+/-0.029 χ^2/NDF: 14245.6/85



Right In: -41.184+/-0.198 χ^2/NDF: 1718.1/16

Left Out: -16.492+/-0.053 χ^2/NDF:21982.6/24

Right Out: -43.637+/-0.183 χ^2/NDF: 6589.3/20

Left In: -16.403+/-0.054 χ^2/NDF:18032.3/22

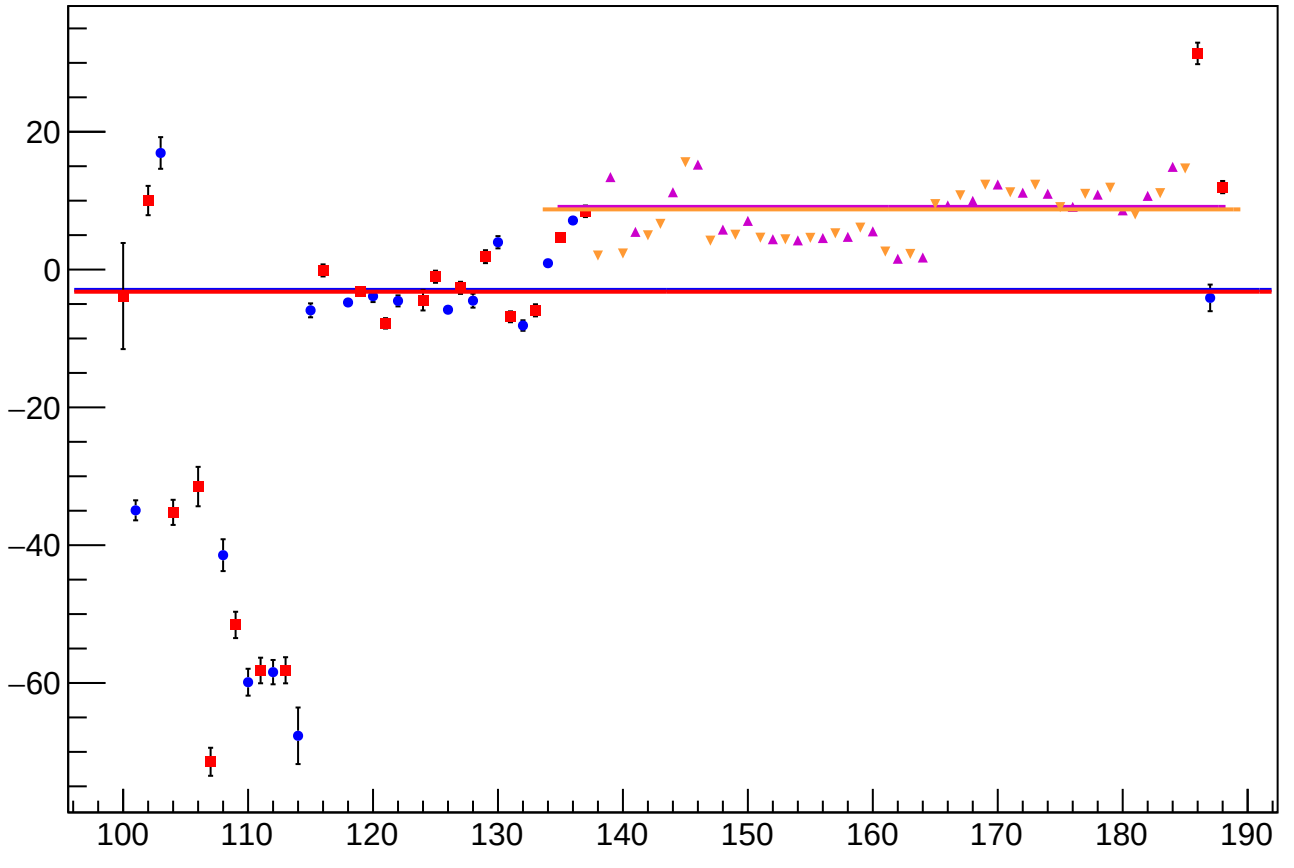
Left: -16.448+/-0.038 χ^2/NDF: 40016.4/47

Right: -42.508+/-0.134 χ^2/NDF: 8390.0/37

In: -18.110+/-0.052 χ^2/NDF:34304.3/39

Out: -18.577+/-0.051 χ^2/NDF:48879.0/45

All: -18.349+/-0.036 χ^2/NDF: 83224.5/85



Right In: -2.950+/-0.208 χ^2/NDF: 3726.0/16

Left Out: 8.735+/-0.046 χ^2/NDF:6875.5/24

Right Out: -3.214+/-0.222 χ^2/NDF: 5223.7/20

Left In: 9.096+/-0.047 χ^2/NDF:5739.5/22

Left: 8.912+/-0.033 χ^2/NDF: 12645.1/47

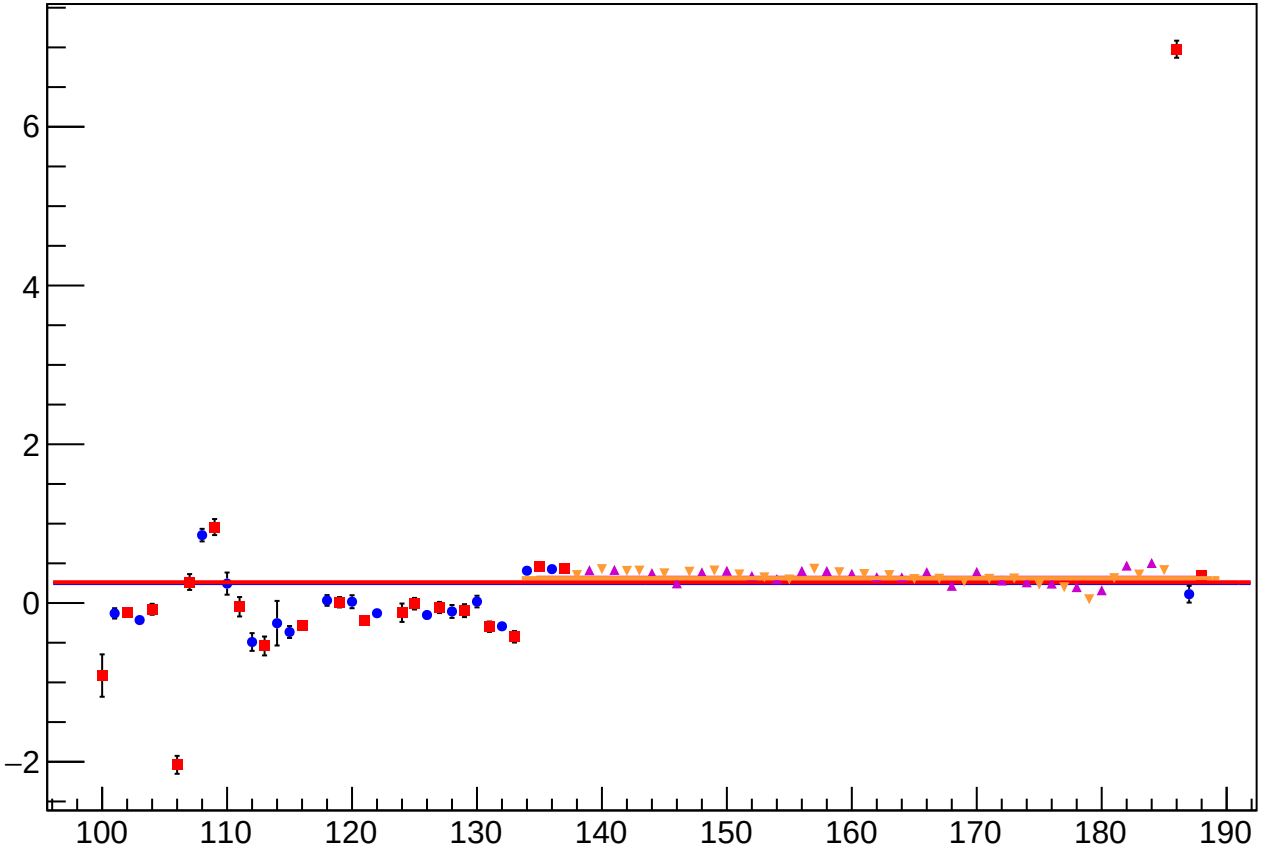
Right: -3.073+/-0.152 χ^2/NDF: 8950.4/37

In: 8.511+/-0.046 χ^2/NDF:12643.4/39

Out: 8.239+/-0.045 χ^2/NDF:14876.6/45

All: 8.373+/-0.032 χ^2/NDF: 27537.9/85

reg_asym_sam_1526_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.251+/-0.011 χ^2/NDF: 632.7/16

Left Out: 0.314+/-0.002 χ^2/NDF:1602.1/24

Right Out: 0.262+/-0.013 χ^2/NDF: 4988.5/20

Left In: 0.319+/-0.002 χ^2/NDF:1787.8/22

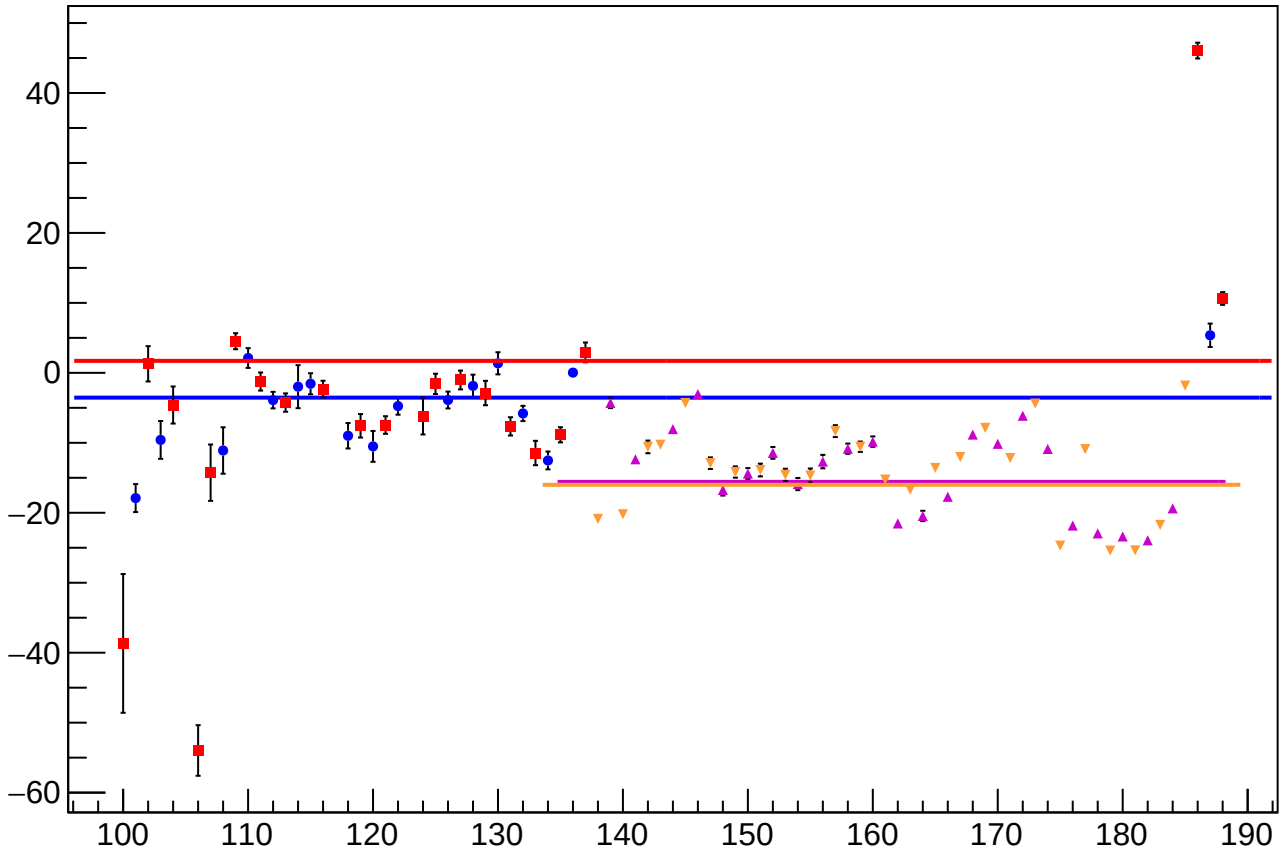
Left: 0.316+/-0.001 χ^2/NDF: 3392.4/47

Right: 0.256+/-0.008 χ^2/NDF: 5621.6/37

In: 0.316+/-0.002 χ^2/NDF:2454.4/39

Out: 0.313+/-0.002 χ^2/NDF:6607.0/45

All: 0.314+/-0.001 χ^2/NDF: 9063.1/85



Right In: -3.542+/-0.339 χ^2/NDF: 218.4/16

Left Out: -16.000+/-0.099 χ^2/NDF:5962.8/24

Right Out: 1.713+/-0.319 χ^2/NDF: 2271.9/20

Left In: -15.582+/-0.102 χ^2/NDF:4759.9/22

Left: -15.797+/-0.071 χ^2/NDF: 10731.3/47

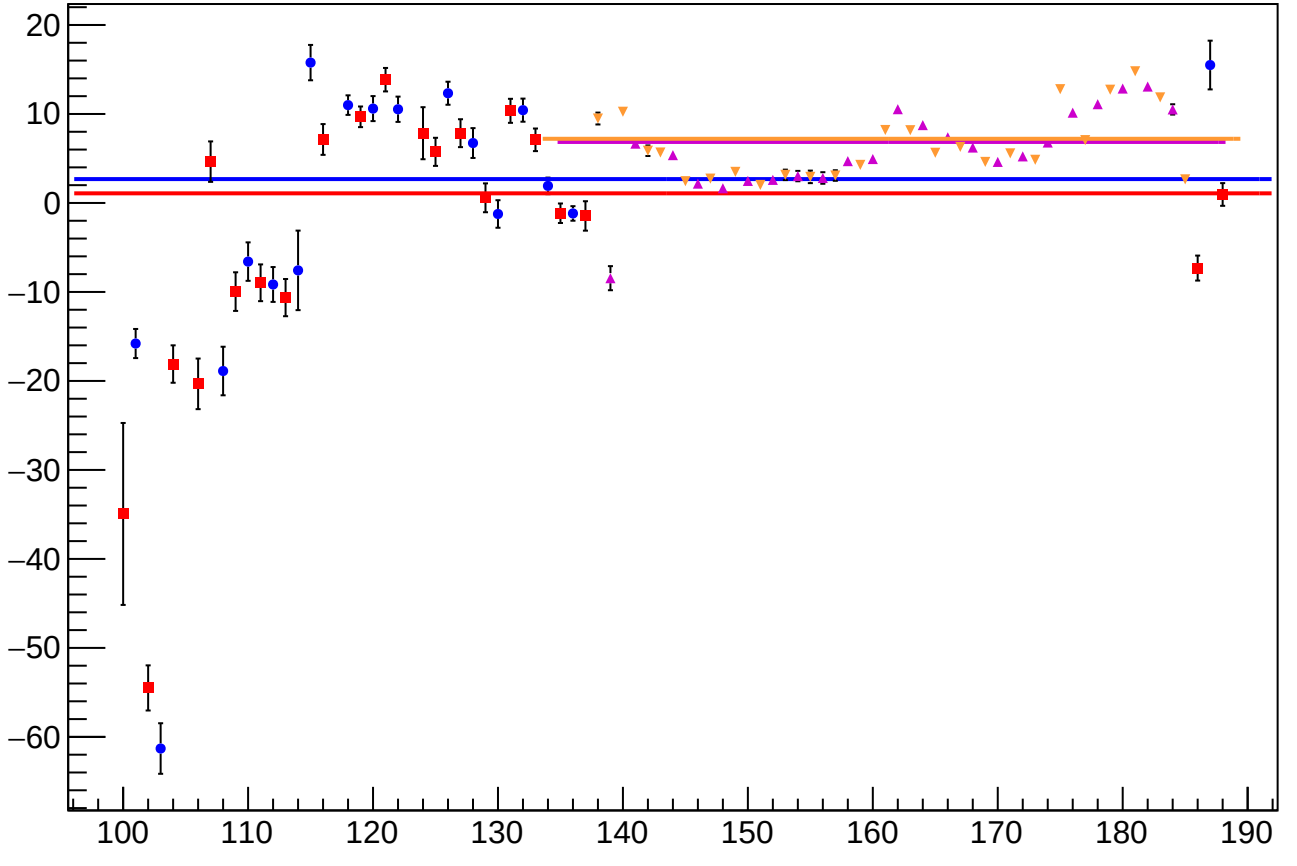
Right: -0.753+/-0.232 χ^2/NDF: 2618.0/37

In: -14.582+/-0.098 χ^2/NDF:6135.9/39

Out: -14.430+/-0.095 χ^2/NDF:11052.0/45

All: -14.504+/-0.068 χ^2/NDF: 17189.1/85

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.683+/-0.354 χ^2/NDF: 1069.0/16

Left Out: 7.212+/-0.080 χ^2/NDF:2455.9/24

Right Out: 1.082+/-0.357 χ^2/NDF: 1021.7/20

Left In: 6.856+/-0.081 χ^2/NDF:2156.4/22

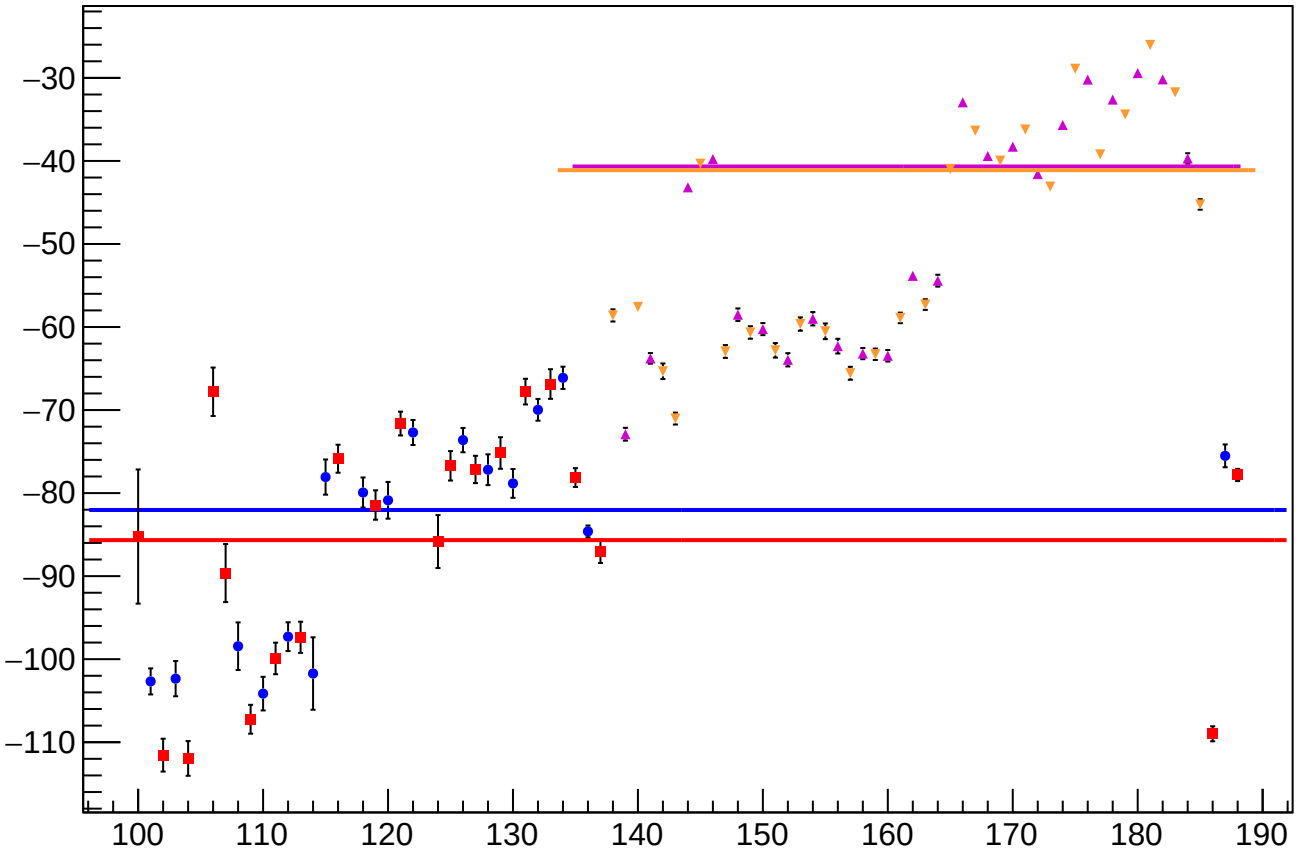
Left: 7.036+/-0.057 χ^2/NDF: 4622.1/47

Right: 1.890+/-0.251 χ^2/NDF: 2100.8/37

In: 6.648+/-0.079 χ^2/NDF:3357.6/39

Out: 6.919+/-0.078 χ^2/NDF:3757.8/45

All: 6.785+/-0.056 χ^2/NDF: 7121.4/85



Right In: -82.033+/-0.370 χ^2/NDF: 863.0/16

Left Out: -41.111+/-0.100 χ^2/NDF:16000.8/24

Right Out: -85.665+/-0.335 χ^2/NDF: 1905.1/20

Left In: -40.665+/-0.102 χ^2/NDF:13541.3/22

Left: -40.893+/-0.071 χ^2/NDF: 29551.8/47

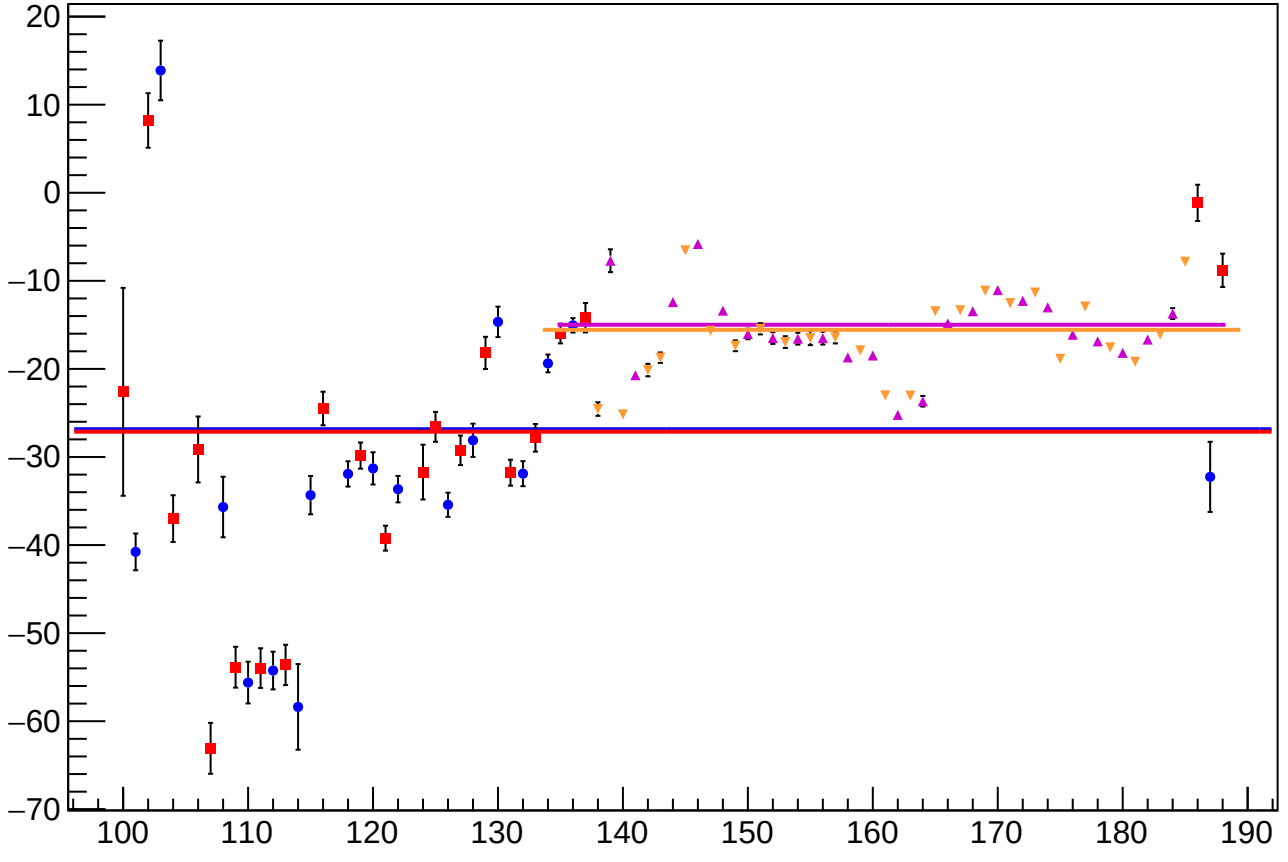
Right: -84.030+/-0.248 χ^2/NDF: 2821.1/37

In: -43.597+/-0.099 χ^2/NDF:26010.9/39

Out: -44.758+/-0.096 χ^2/NDF:34157.4/45

All: -44.194+/-0.069 χ^2/NDF: 60239.7/85

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -26.849+/-0.394 χ^2/NDF: 965.3/16

Left Out: -15.562+/-0.089 χ^2/NDF:2549.5/24

Right Out: -27.125+/-0.412 χ^2/NDF: 1237.2/20

Left In: -14.990+/-0.090 χ^2/NDF:2150.9/22

Left: -15.281+/-0.063 χ^2/NDF: 4720.8/47

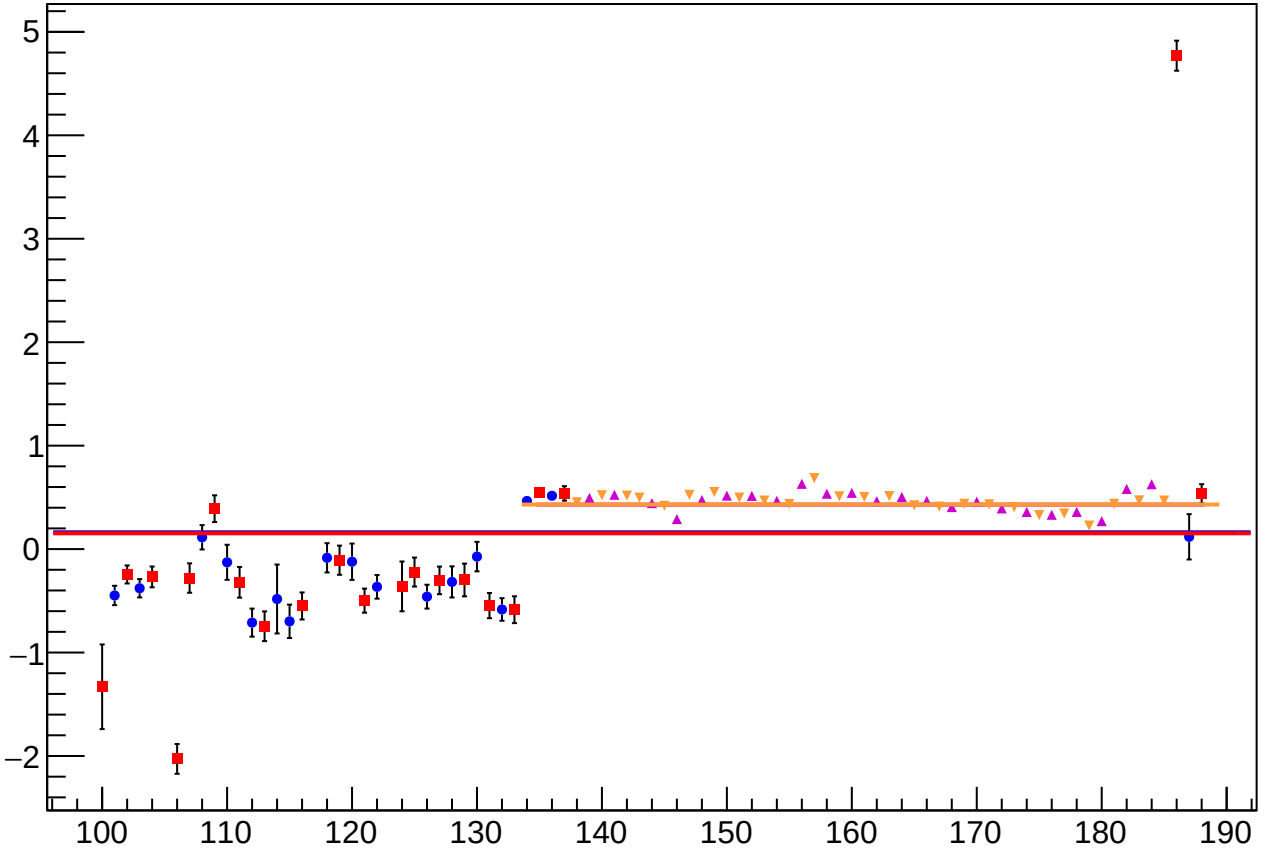
Right: -26.981+/-0.285 χ^2/NDF: 2202.7/37

In: -15.582+/-0.088 χ^2/NDF:3978.5/39

Out: -16.077+/-0.087 χ^2/NDF:4540.0/45

All: -15.833+/-0.062 χ^2/NDF: 8534.4/85

reg_asym_sam_3726_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.162+/-0.021 χ^2/NDF: 422.6/16

Left Out: 0.431+/-0.004 χ^2/NDF:418.4/24

Right Out: 0.152+/-0.023 χ^2/NDF: 1640.9/20

Left In: 0.430+/-0.004 χ^2/NDF:583.6/22

Left: 0.430+/-0.003 χ^2/NDF: 1002.0/47

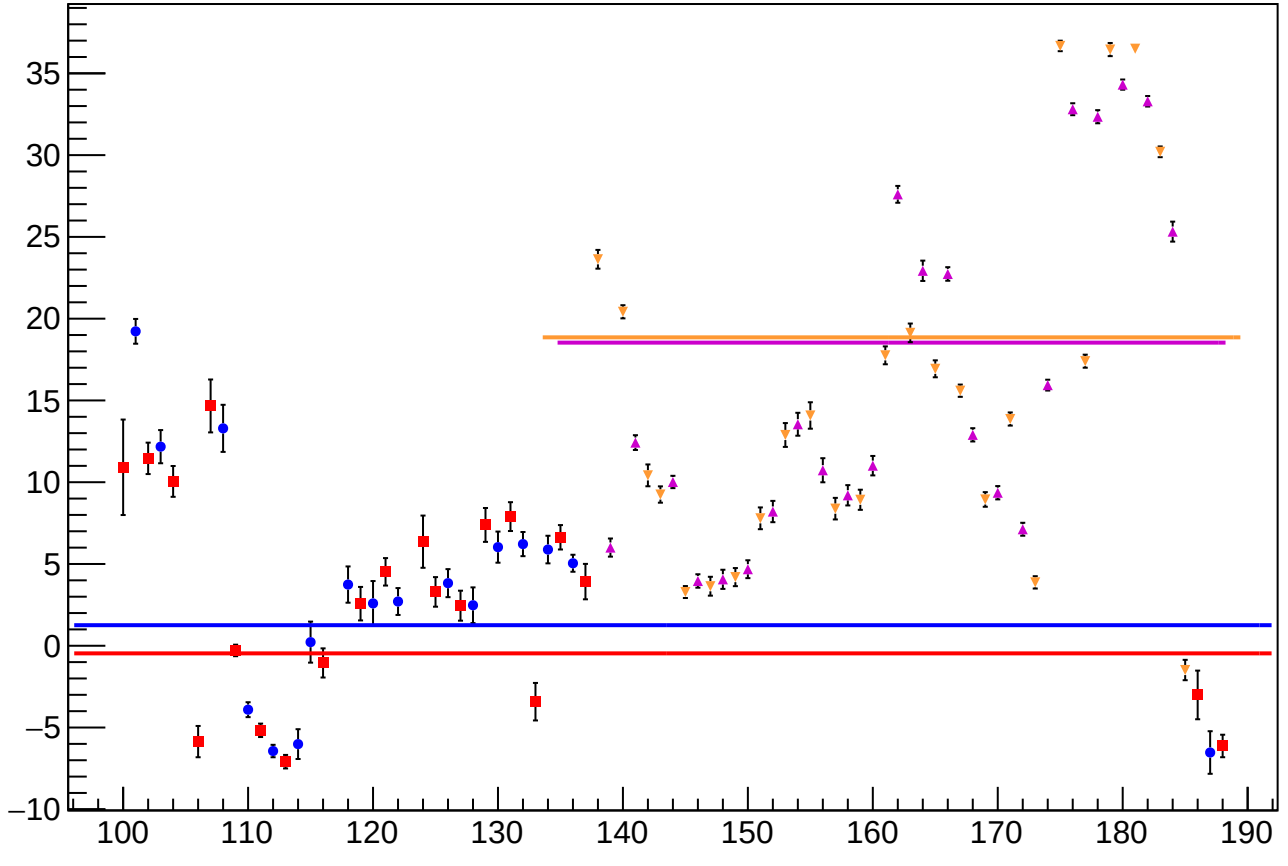
Right: 0.158+/-0.016 χ^2/NDF: 2063.6/37

In: 0.421+/-0.004 χ^2/NDF:1158.6/39

Out: 0.423+/-0.004 χ^2/NDF:2197.8/45

All: 0.422+/-0.003 χ^2/NDF: 3356.5/85

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 1.258+/-0.181 χ^2/NDF: 1558.6/16

Left Out: 18.858+/-0.090 χ^2/NDF:18374.1/24

Right Out: -0.466+/-0.162 χ^2/NDF: 1222.6/20

Left In: 18.535+/-0.093 χ^2/NDF:14066.0/22

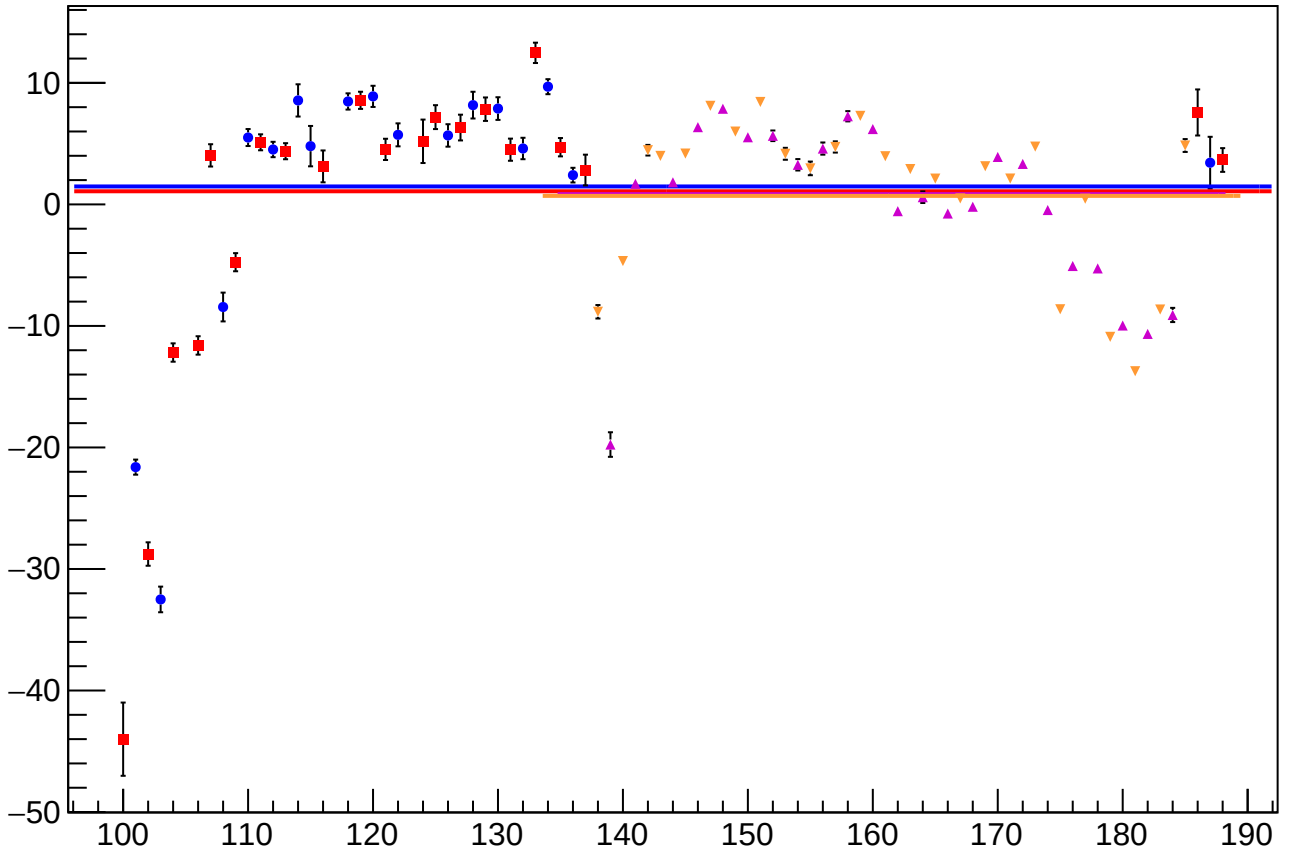
Left: 18.701+/-0.065 χ^2/NDF: 32446.3/47

Right: 0.298+/-0.121 χ^2/NDF: 2831.5/37

In: 14.922+/-0.083 χ^2/NDF:22805.5/39

Out: 14.255+/-0.079 χ^2/NDF:30477.3/45

All: 14.572+/-0.057 χ^2/NDF: 53316.7/85



Right In: 1.477+/-0.203 χ^2/NDF: 3081.1/16

Left Out: 0.702+/-0.071 χ^2/NDF:8237.8/24

Right Out: 1.080+/-0.197 χ^2/NDF: 2396.6/20

Left In: 0.847+/-0.072 χ^2/NDF:6045.4/22

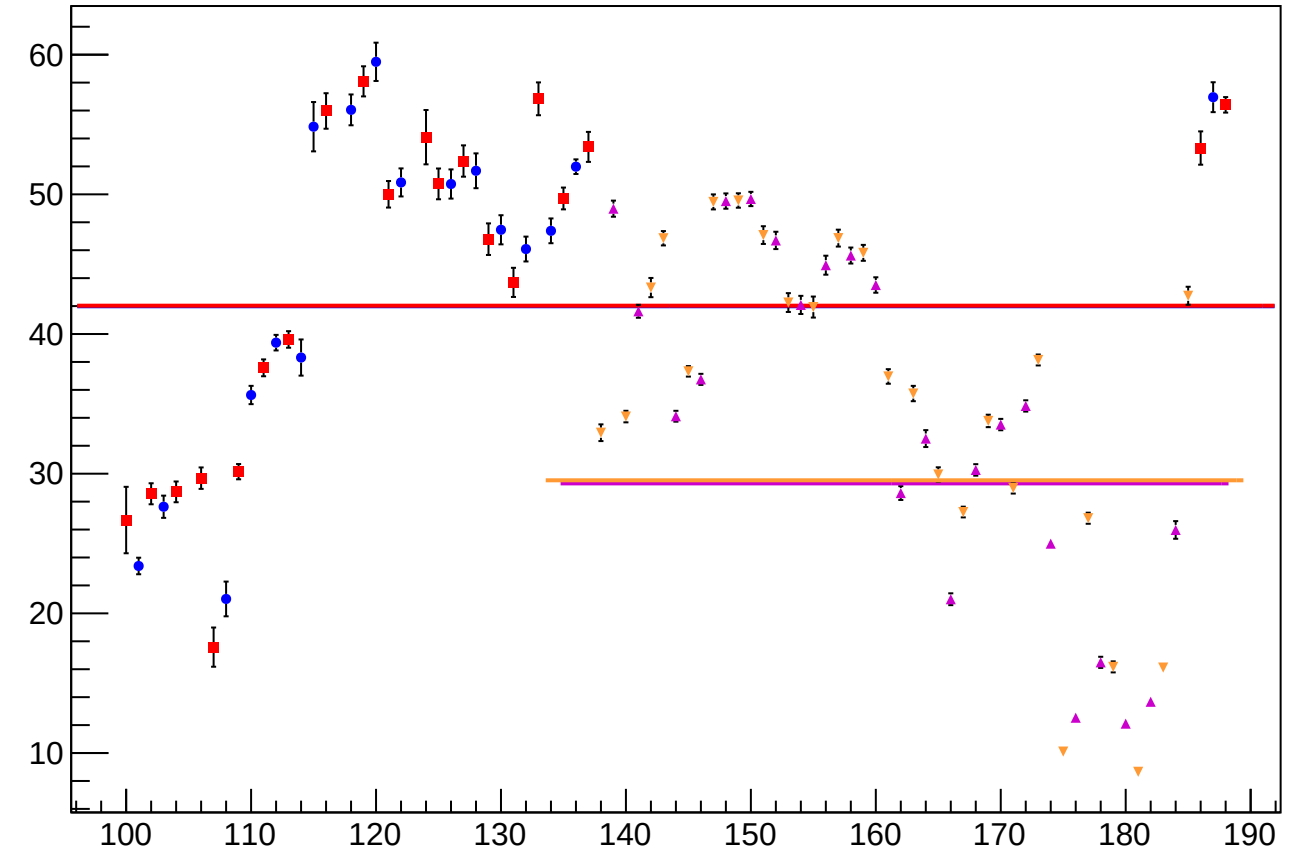
Left: 0.773+/-0.051 χ^2/NDF: 14285.2/47

Right: 1.273+/-0.141 χ^2/NDF: 5479.7/37

In: 0.918+/-0.068 χ^2/NDF:9135.0/39

Out: 0.745+/-0.066 χ^2/NDF:10637.7/45

All: 0.829+/-0.048 χ^2/NDF: 19776.0/85



Right In: 41.987+/-0.207 χ^2/NDF: 2949.3/16

Left Out: 29.526+/-0.091 χ^2/NDF:21083.7/24

Right Out: 42.028+/-0.188 χ^2/NDF: 3535.7/20

Left In: 29.306+/-0.093 χ^2/NDF:17870.3/22

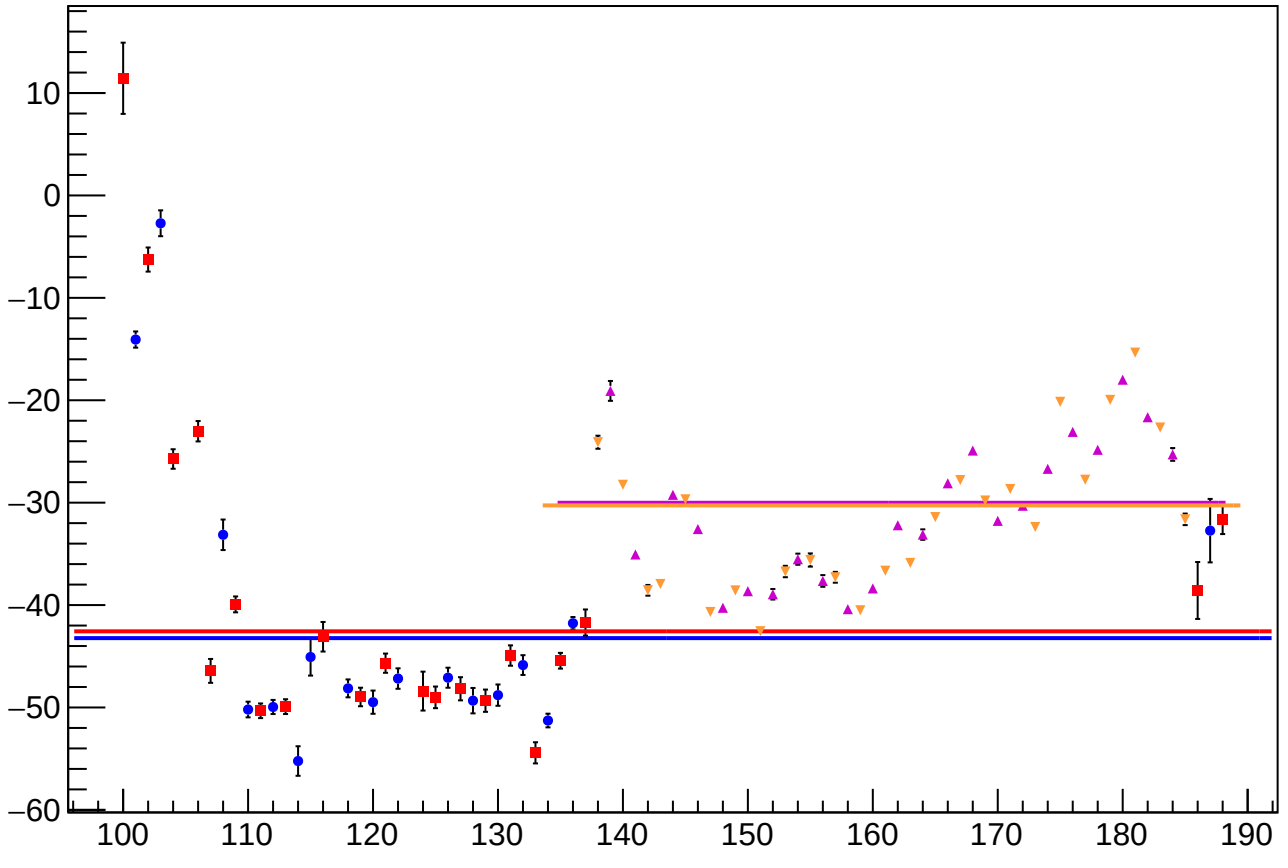
Left: 29.419+/-0.065 χ^2/NDF: 38956.9/47

Right: 42.010+/-0.139 χ^2/NDF: 6485.0/37

In: 31.445+/-0.085 χ^2/NDF:23949.4/39

Out: 31.878+/-0.082 χ^2/NDF:28203.0/45

All: 31.670+/-0.059 χ^2/NDF: 52165.9/85



Right In: -43.228+/-0.229 χ^2/NDF: 2996.7/16

Left Out: -30.268+/-0.079 χ^2/NDF:8500.0/24

Right Out: -42.564+/-0.225 χ^2/NDF: 2515.6/20

Left In: -30.012+/-0.081 χ^2/NDF:6083.1/22

Left: -30.143+/-0.057 χ^2/NDF: 14588.2/47

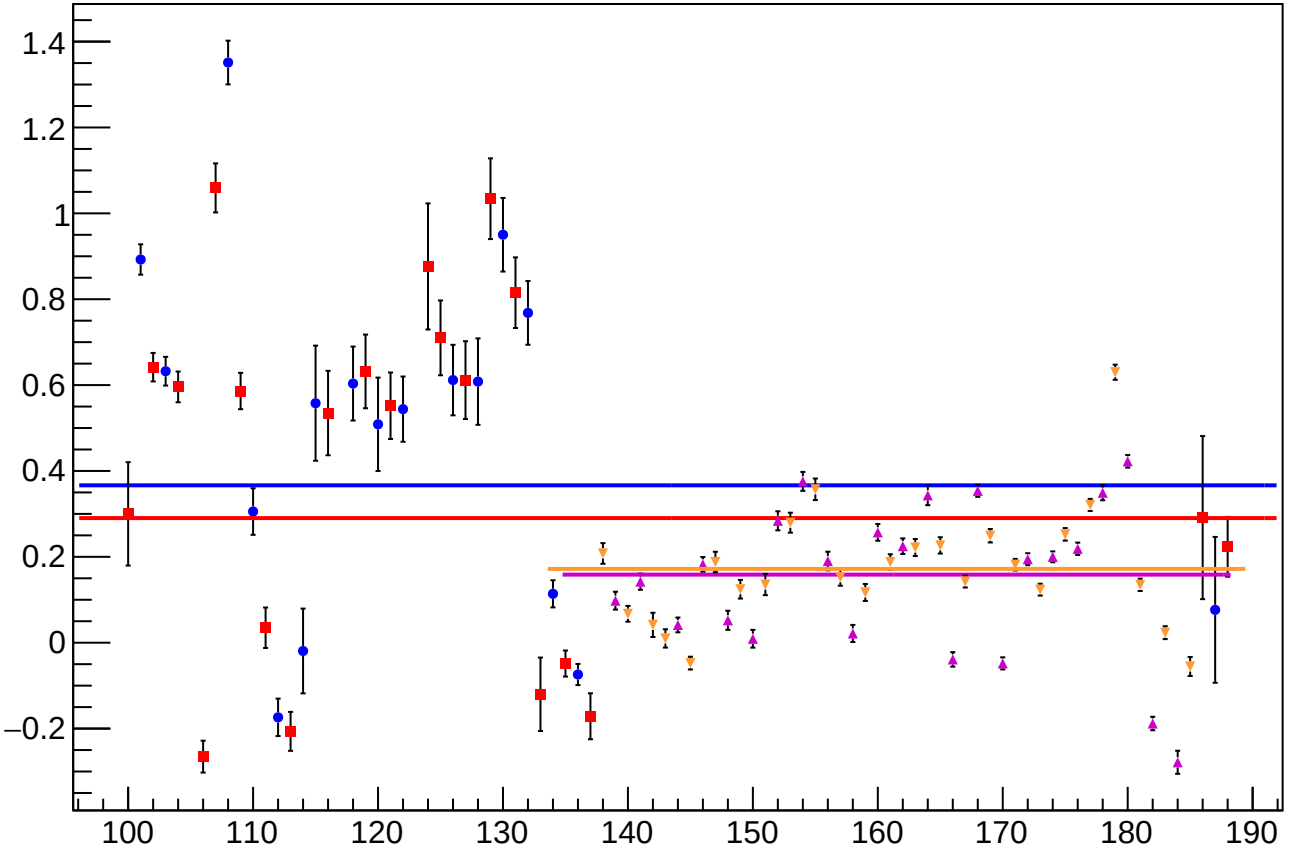
Right: -42.891+/-0.161 χ^2/NDF: 5516.6/37

In: -31.495+/-0.077 χ^2/NDF:12044.4/39

Out: -31.620+/-0.075 χ^2/NDF:13663.2/45

All: -31.559+/-0.054 χ^2/NDF: 25708.9/85

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.367+/-0.012 χ^2/NDF: 1323.8/16

Left Out: 0.172+/-0.004 χ^2/NDF:1501.3/24

Right Out: 0.290+/-0.012 χ^2/NDF: 1200.2/20

Left In: 0.159+/-0.004 χ^2/NDF:2187.4/22

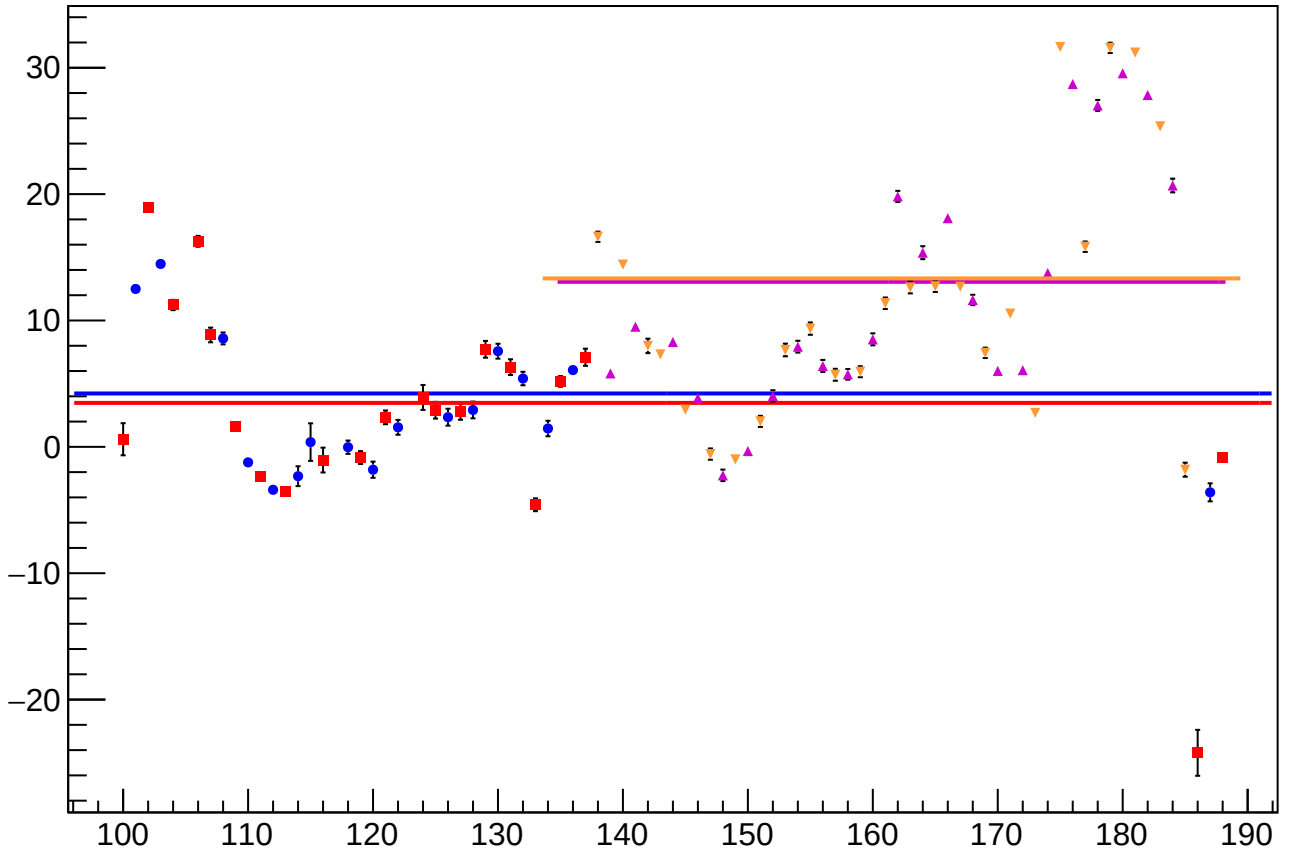
Left: 0.165+/-0.003 χ^2/NDF: 3695.7/47

Right: 0.328+/-0.009 χ^2/NDF: 2544.1/37

In: 0.176+/-0.003 χ^2/NDF:3779.4/39

Out: 0.182+/-0.003 χ^2/NDF:2792.3/45

All: 0.179+/-0.002 χ^2/NDF: 6573.2/85



Right In: 4.225+/-0.115 χ^2/NDF: 2745.4/16

Left Out: 13.331+/-0.077 χ^2/NDF:19432.7/24

Right Out: 3.479+/-0.100 χ^2/NDF: 4781.7/20

Left In: 13.061+/-0.079 χ^2/NDF:15559.8/22

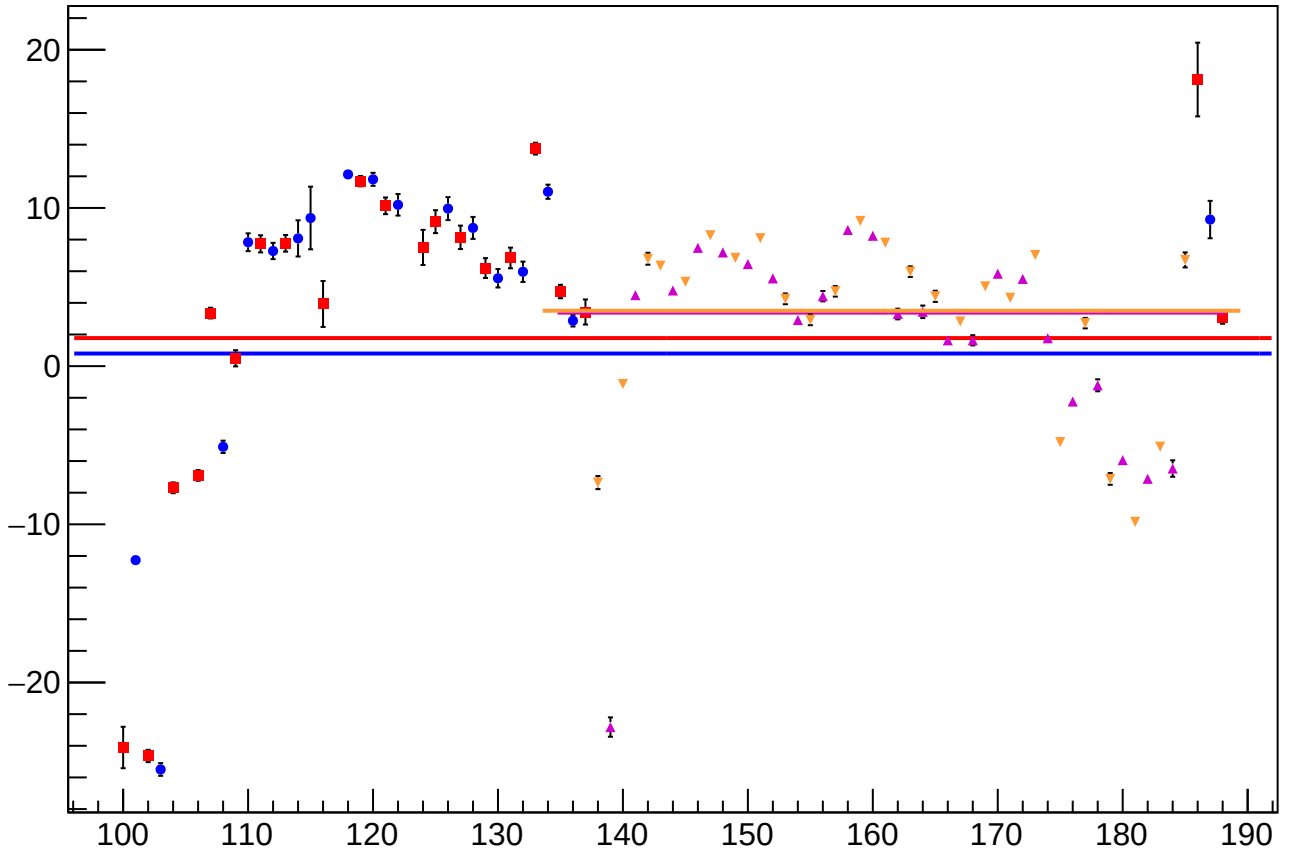
Left: 13.200+/-0.055 χ^2/NDF: 34998.5/47

Right: 3.800+/-0.076 χ^2/NDF: 7550.9/37

In: 10.227+/-0.065 χ^2/NDF:22285.6/39

Out: 9.693+/-0.061 χ^2/NDF:30294.4/45

All: 9.942+/-0.045 χ^2/NDF: 52615.6/85



Right In: 0.796+/-0.115 χ^2/NDF: 10505.8/16

Left Out: 3.502+/-0.059 χ^2/NDF:7911.7/24

Right Out: 1.774+/-0.106 χ^2/NDF: 9317.9/20

Left In: 3.385+/-0.061 χ^2/NDF:6707.6/22

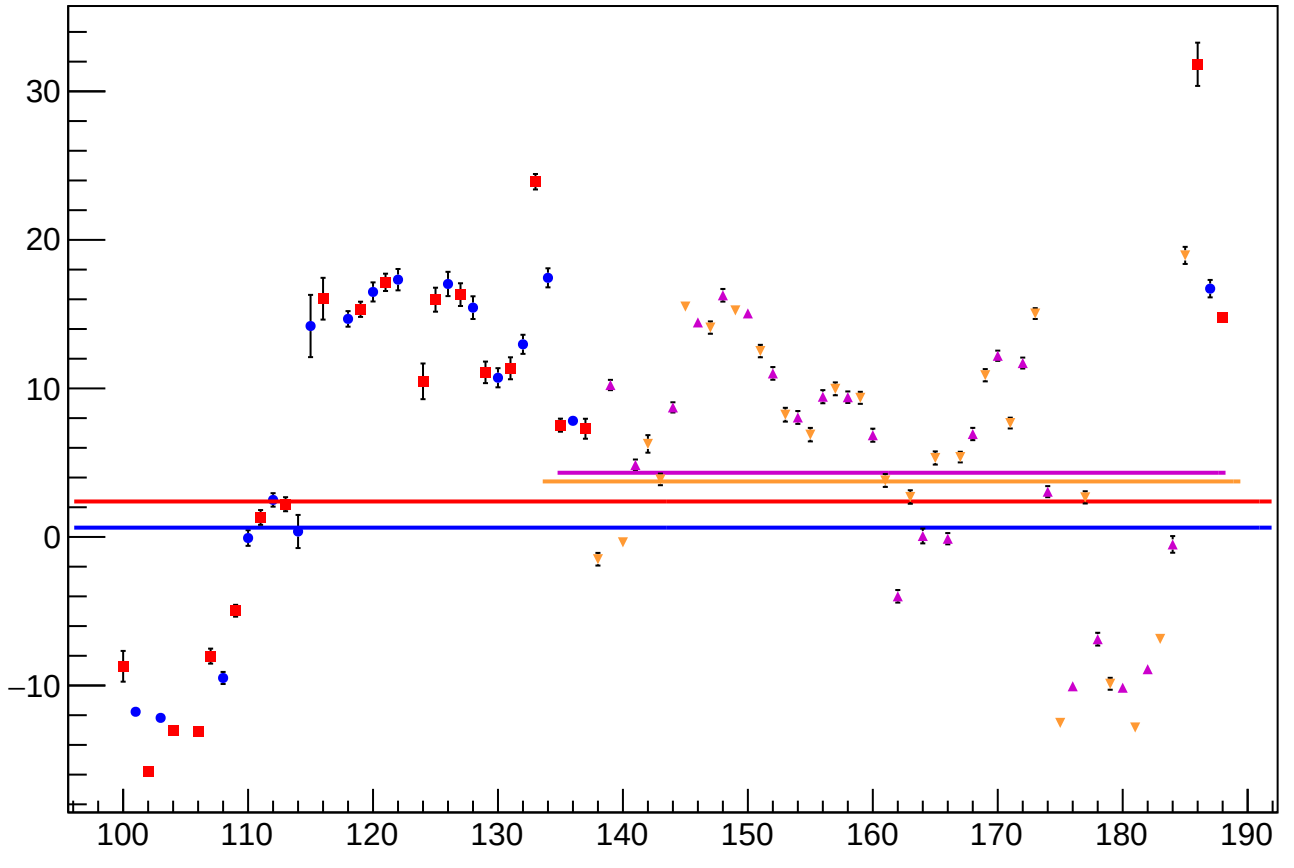
Left: 3.446+/-0.042 χ^2/NDF: 14621.2/47

Right: 1.324+/-0.078 χ^2/NDF: 19862.5/37

In: 2.819+/-0.054 χ^2/NDF:17606.9/39

Out: 3.101+/-0.051 χ^2/NDF:17432.0/45

All: 2.967+/-0.037 χ^2/NDF: 35053.1/85



Right In: 0.627+/-0.117 χ^2/NDF: 10056.6/16

Left Out: 3.738+/-0.076 χ^2/NDF:15586.7/24

Right Out: 2.388+/-0.101 χ^2/NDF: 17169.2/20

Left In: 4.322+/-0.079 χ^2/NDF:12483.3/22

Left: 4.022+/-0.055 χ^2/NDF: 28098.5/47

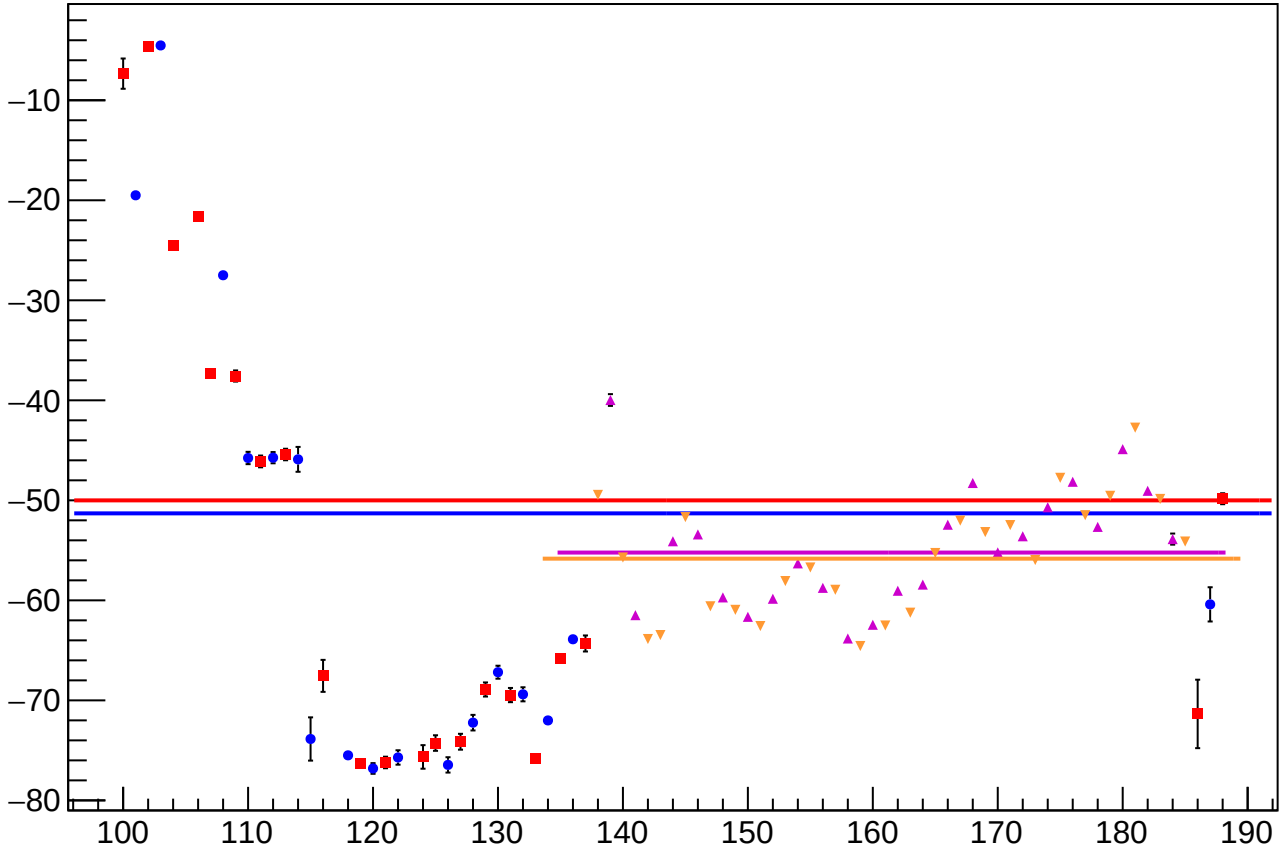
Right: 1.639+/-0.076 χ^2/NDF: 27356.1/37

In: 3.173+/-0.065 χ^2/NDF:23227.4/39

Out: 3.245+/-0.061 χ^2/NDF:32870.0/45

All: 3.211+/-0.045 χ^2/NDF: 56098.1/85

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -51.303+/-0.135 χ^2/NDF: 33793.7/16

Left Out: -55.832+/-0.066 χ^2/NDF:7592.5/24

Right Out: -50.005+/-0.127 χ^2/NDF: 33931.6/20

Left In: -55.222+/-0.069 χ^2/NDF:6343.0/22

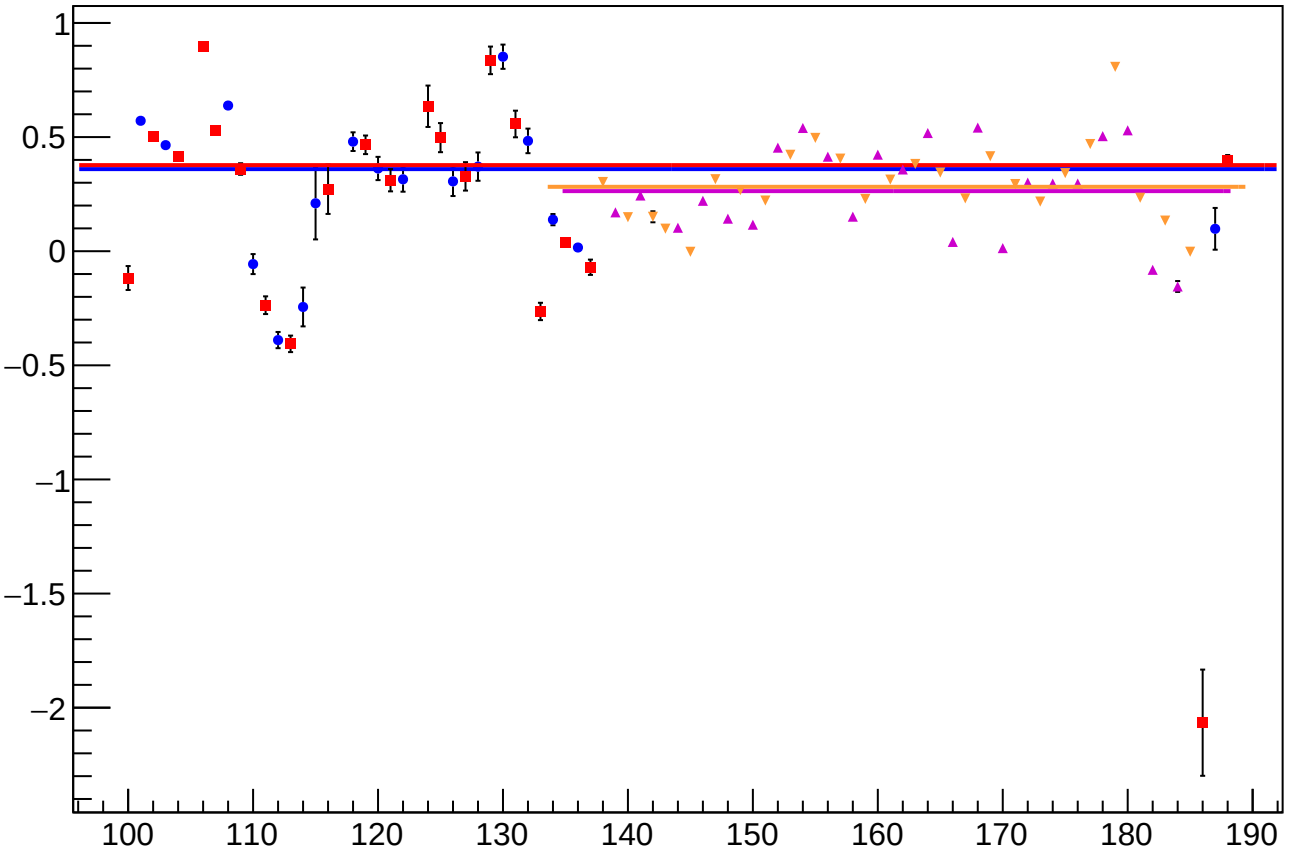
Left: -55.538+/-0.048 χ^2/NDF: 13976.2/47

Right: -50.613+/-0.093 χ^2/NDF: 67774.1/37

In: -54.419+/-0.061 χ^2/NDF:40803.4/39

Out: -54.583+/-0.059 χ^2/NDF:43177.3/45

All: -54.504+/-0.042 χ^2/NDF: 83984.5/85



Right In: 0.360+/-0.006 χ^2/NDF: 1868.2/16

Left Out: 0.282+/-0.003 χ^2/NDF:2712.4/24

Right Out: 0.377+/-0.006 χ^2/NDF: 2901.5/20

Left In: 0.263+/-0.003 χ^2/NDF:3835.8/22

Left: 0.273+/-0.002 χ^2/NDF: 6568.0/47

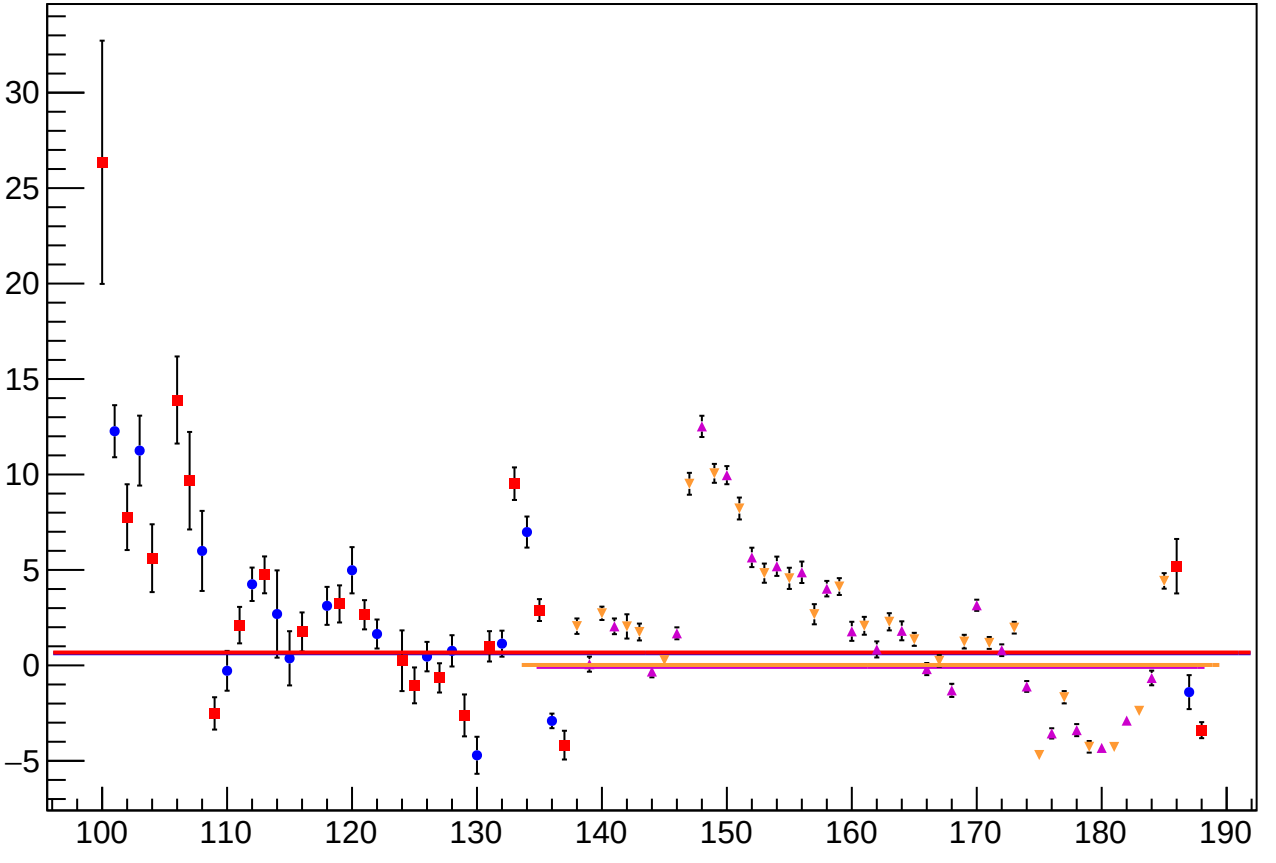
Right: 0.369+/-0.004 χ^2/NDF: 4773.7/37

In: 0.281+/-0.003 χ^2/NDF:5891.8/39

Out: 0.301+/-0.003 χ^2/NDF:5819.1/45

All: 0.292+/-0.002 χ^2/NDF: 11738.8/85

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.636+/-0.207 χ^2/NDF: 335.6/16

Left Out: 0.022+/-0.069 χ^2/NDF:2759.3/24

Right Out: 0.674+/-0.195 χ^2/NDF: 419.4/20

Left In: -0.080+/-0.071 χ^2/NDF:2464.5/22

Left: -0.027+/-0.049 χ^2/NDF: 5224.9/47

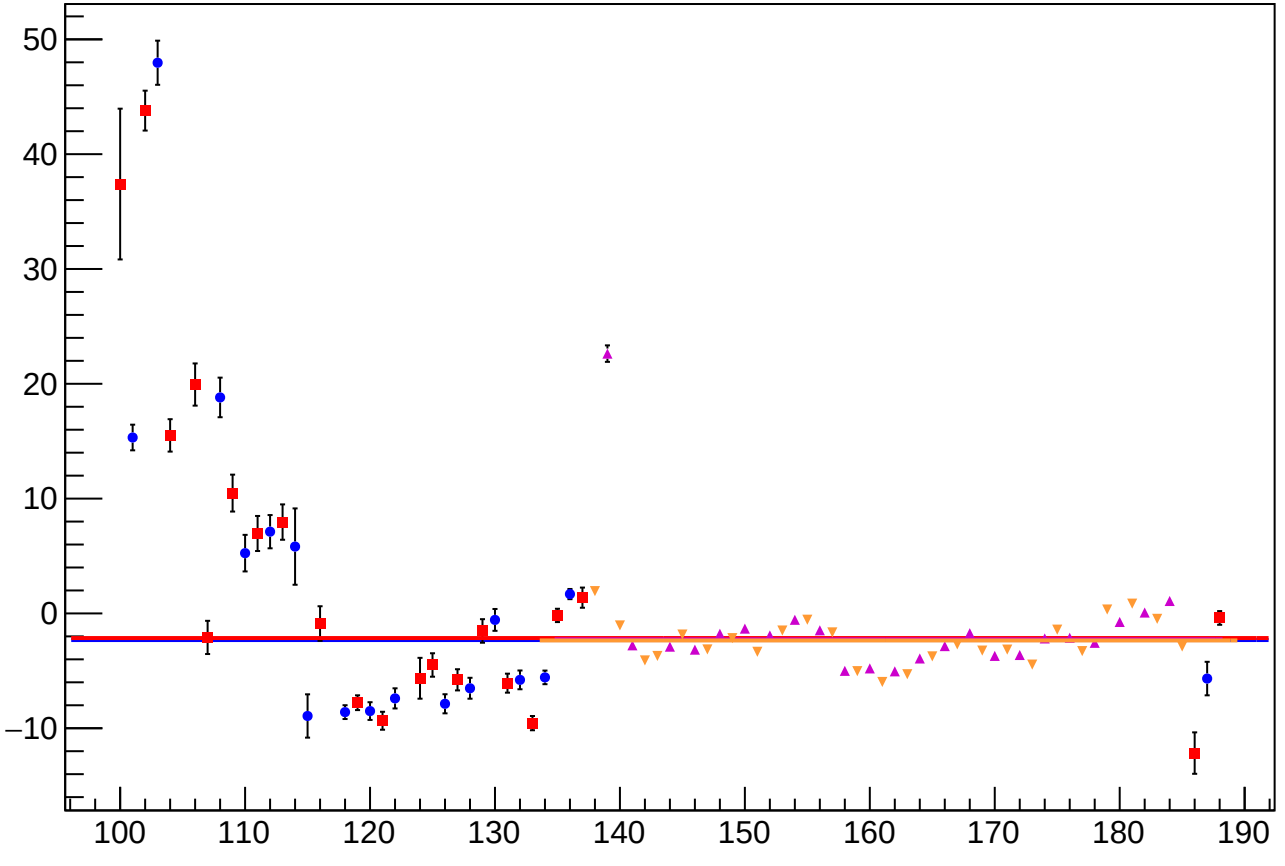
Right: 0.656+/-0.142 χ^2/NDF: 755.0/37

In: -0.005+/-0.067 χ^2/NDF:2810.9/39

Out: 0.094+/-0.065 χ^2/NDF:3188.7/45

All: 0.046+/-0.046 χ^2/NDF: 6000.7/85

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -2.318+/-0.213 χ^2/NDF: 1577.9/16

Left Out: -2.352+/-0.055 χ^2/NDF:1125.6/24

Right Out: -2.145+/-0.212 χ^2/NDF: 1595.3/20

Left In: -2.257+/-0.056 χ^2/NDF:1877.2/22

Left: -2.306+/-0.039 χ^2/NDF: 3004.4/47

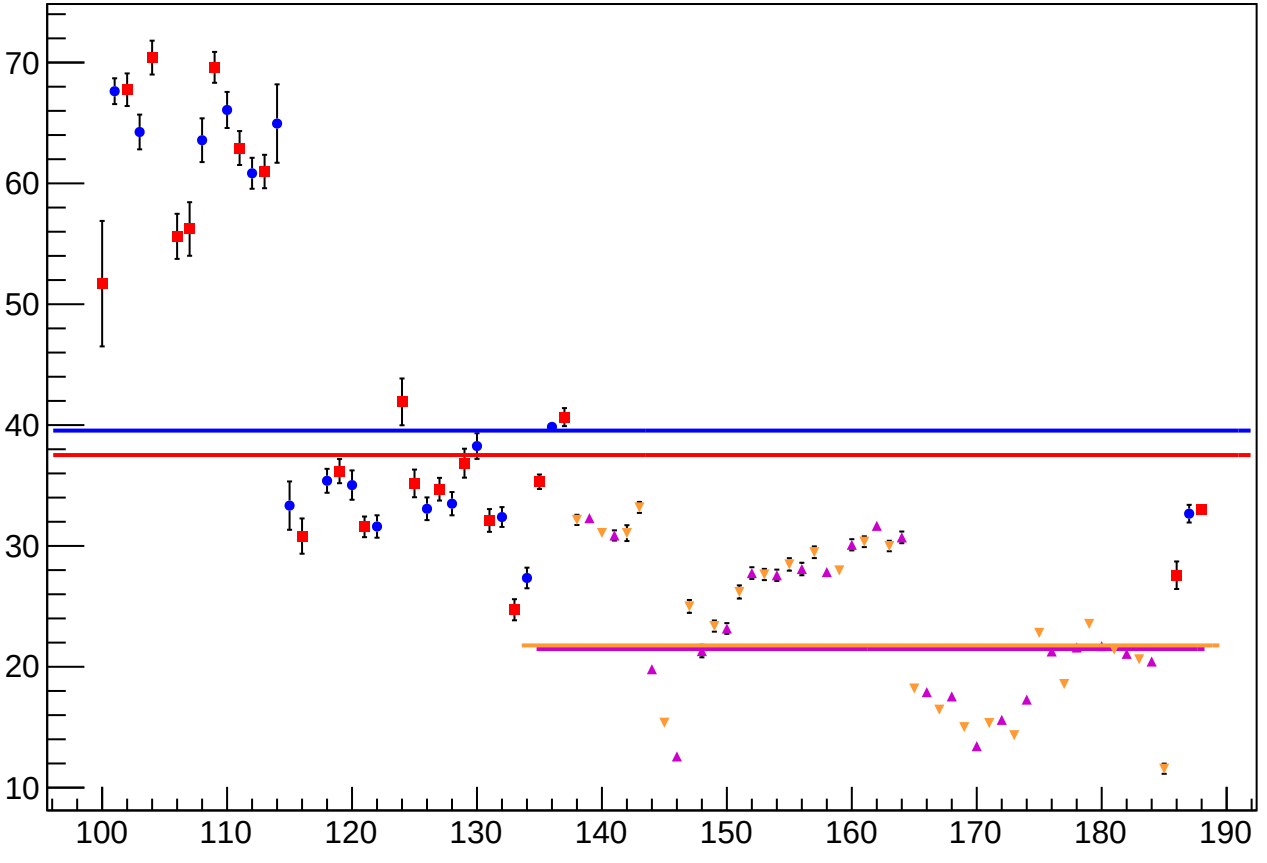
Right: -2.232+/-0.150 χ^2/NDF: 3173.5/37

In: -2.261+/-0.054 χ^2/NDF:3455.2/39

Out: -2.339+/-0.053 χ^2/NDF:2721.8/45

All: -2.301+/-0.038 χ^2/NDF: 6178.1/85

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 39.544+/-0.221 χ^2/NDF: 2388.3/16

Left Out: 21.768+/-0.069 χ^2/NDF:6814.2/24

Right Out: 37.520+/-0.198 χ^2/NDF: 3095.2/20

Left In: 21.472+/-0.071 χ^2/NDF:5787.4/22

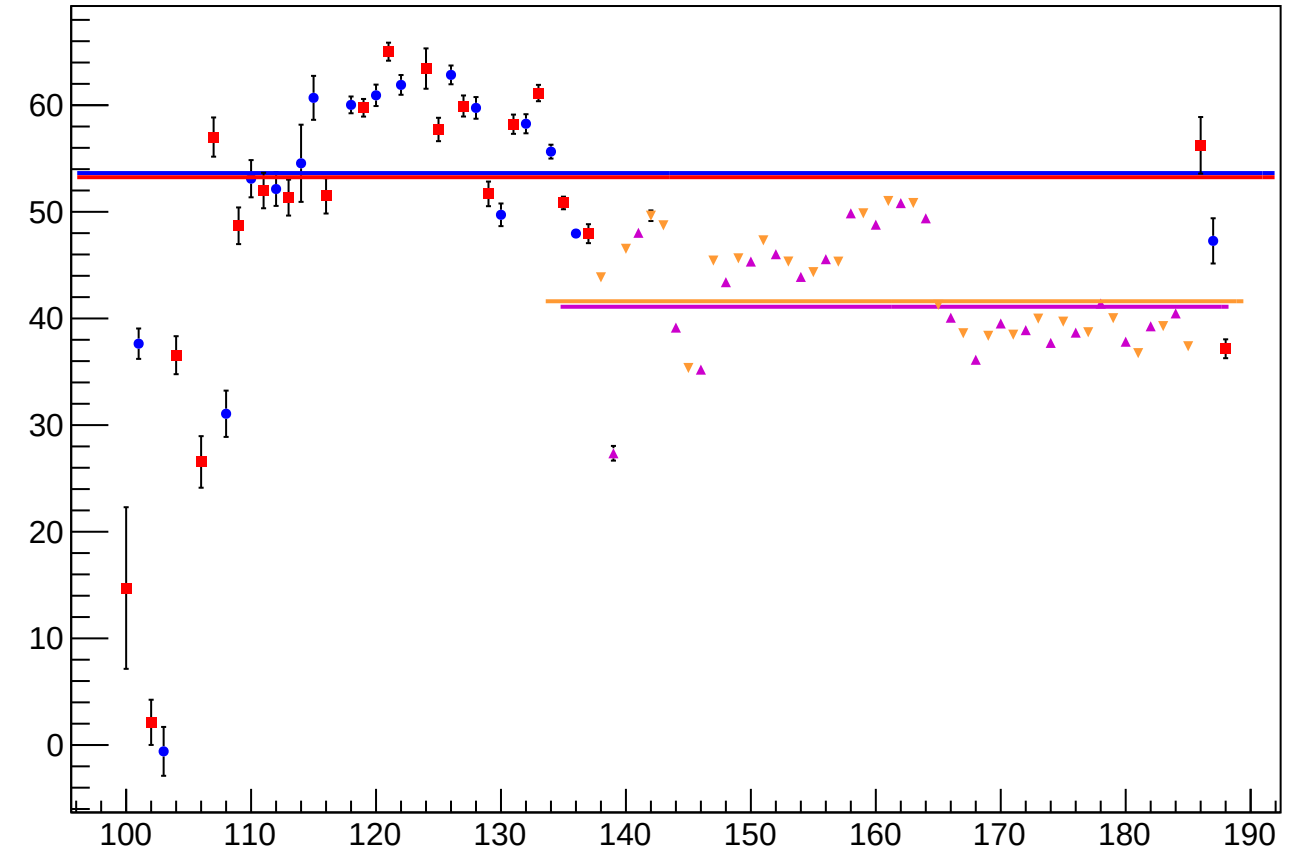
Left: 21.623+/-0.049 χ^2/NDF: 12610.6/47

Right: 38.424+/-0.147 χ^2/NDF: 5530.1/37

In: 23.151+/-0.067 χ^2/NDF:14260.3/39

Out: 23.464+/-0.065 χ^2/NDF:15543.4/45

All: 23.313+/-0.047 χ^2/NDF: 29815.0/85



Right In: 53.634+/-0.238 χ^2/NDF: 1371.8/16

Left Out: 41.613+/-0.061 χ^2/NDF:5776.0/24

Right Out: 53.246+/-0.245 χ^2/NDF: 1700.7/20

Left In: 41.098+/-0.063 χ^2/NDF:5478.0/22

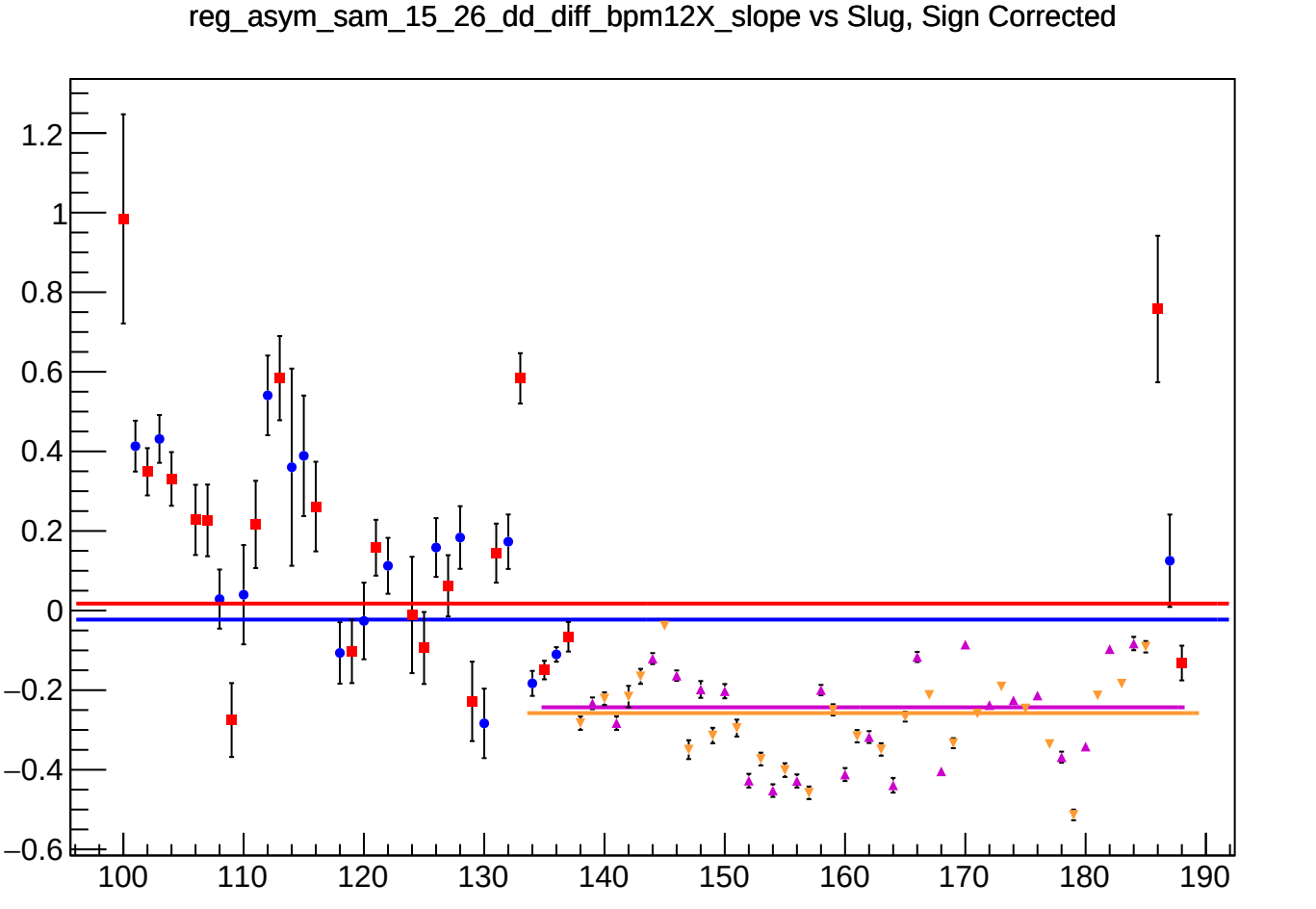
Left: 41.361+/-0.044 χ^2/NDF: 11288.6/47

Right: 53.446+/-0.171 χ^2/NDF: 3073.8/37

In: 41.914+/-0.061 χ^2/NDF:9454.7/39

Out: 42.297+/-0.059 χ^2/NDF:9598.7/45

All: 42.109+/-0.042 χ^2/NDF: 19073.9/85



Right In: -0.023+/-0.013 χ^2/NDF: 231.3/16

Left Out: -0.258+/-0.003 χ^2/NDF:1515.1/24

Right Out: 0.018+/-0.014 χ^2/NDF: 305.0/20

Left In: -0.243+/-0.003 χ^2/NDF:1811.8/22

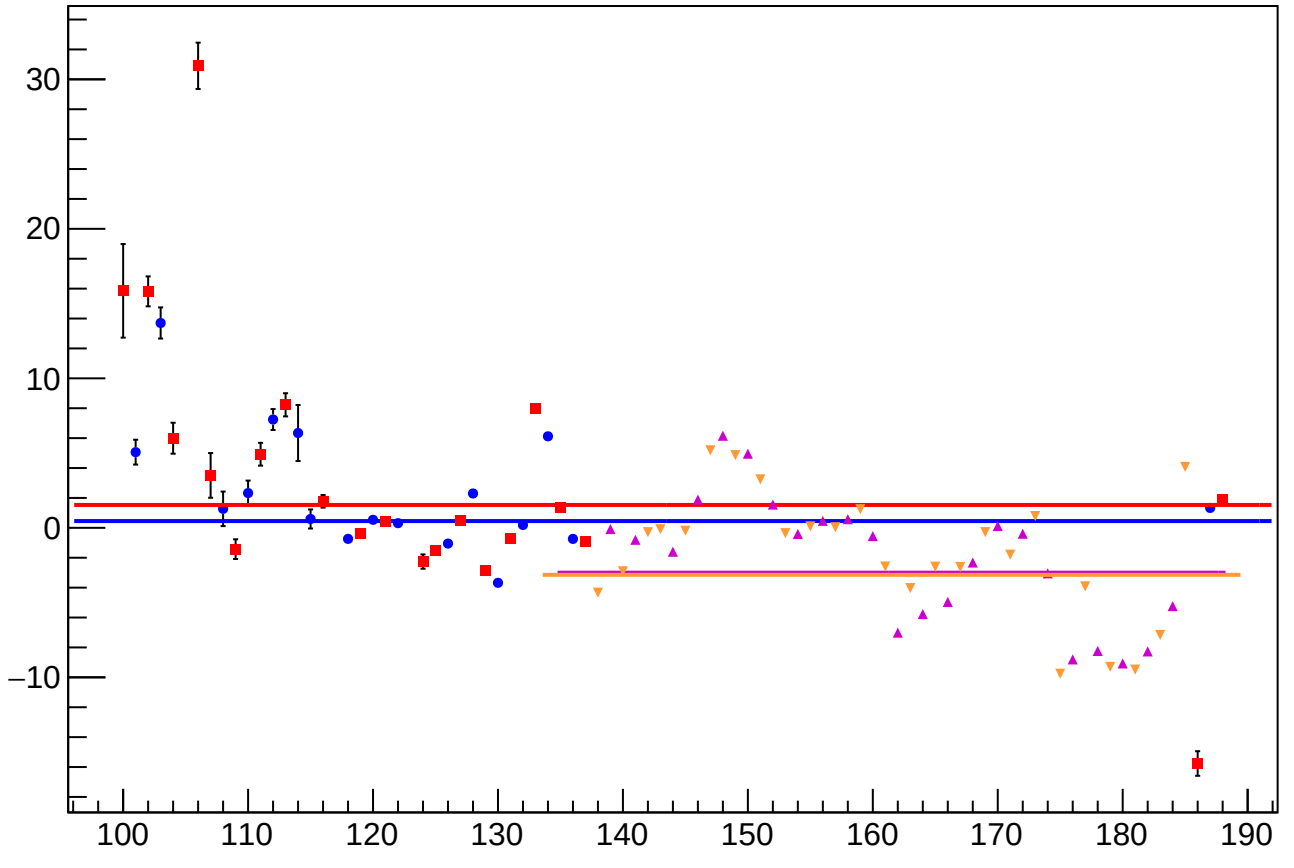
Left: -0.250+/-0.002 χ^2/NDF: 3340.9/47

Right: -0.004+/-0.009 χ^2/NDF: 541.0/37

In: -0.233+/-0.003 χ^2/NDF:2329.5/39

Out: -0.247+/-0.003 χ^2/NDF:2218.9/45

All: -0.240+/-0.002 χ^2/NDF: 4561.7/85



Right In: 0.452+/-0.075 χ^2/NDF: 1105.9/16

Left Out: -3.144+/-0.028 χ^2/NDF:25358.6/24

Right Out: 1.532+/-0.065 χ^2/NDF: 2862.0/20

Left In: -2.999+/-0.028 χ^2/NDF:22425.0/22

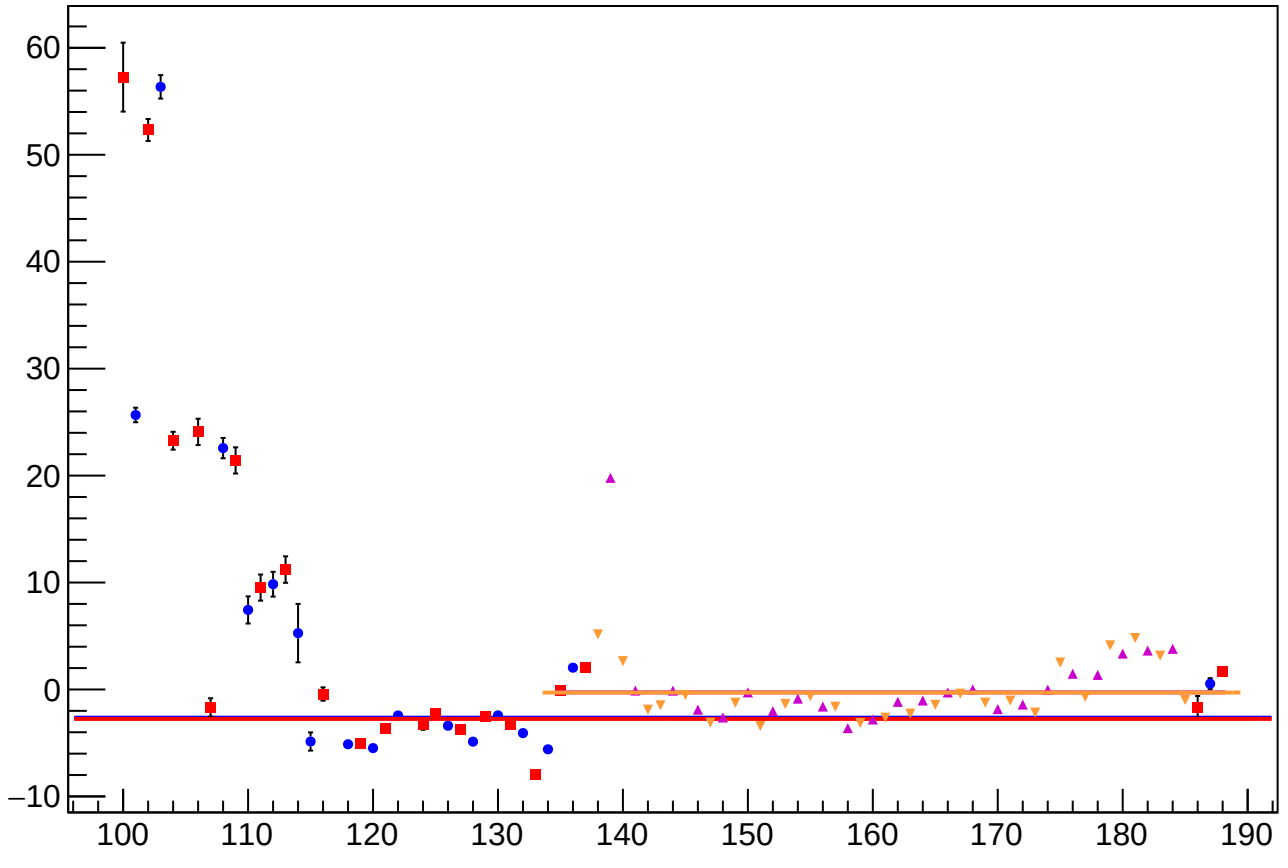
Left: -3.074+/-0.020 χ^2/NDF: 47797.0/47

Right: 1.065+/-0.049 χ^2/NDF: 4085.9/37

In: -2.563+/-0.027 χ^2/NDF:25391.0/39

Out: -2.431+/-0.026 χ^2/NDF:32560.6/45

All: -2.494+/-0.018 χ^2/NDF: 57964.5/85



Right In: -2.639+/-0.070 χ^2/NDF: 7142.7/16

Left Out: -0.288+/-0.022 χ^2/NDF:12198.2/24

Right Out: -2.751+/-0.066 χ^2/NDF: 7910.0/20

Left In: -0.271+/-0.022 χ^2/NDF:13220.8/22

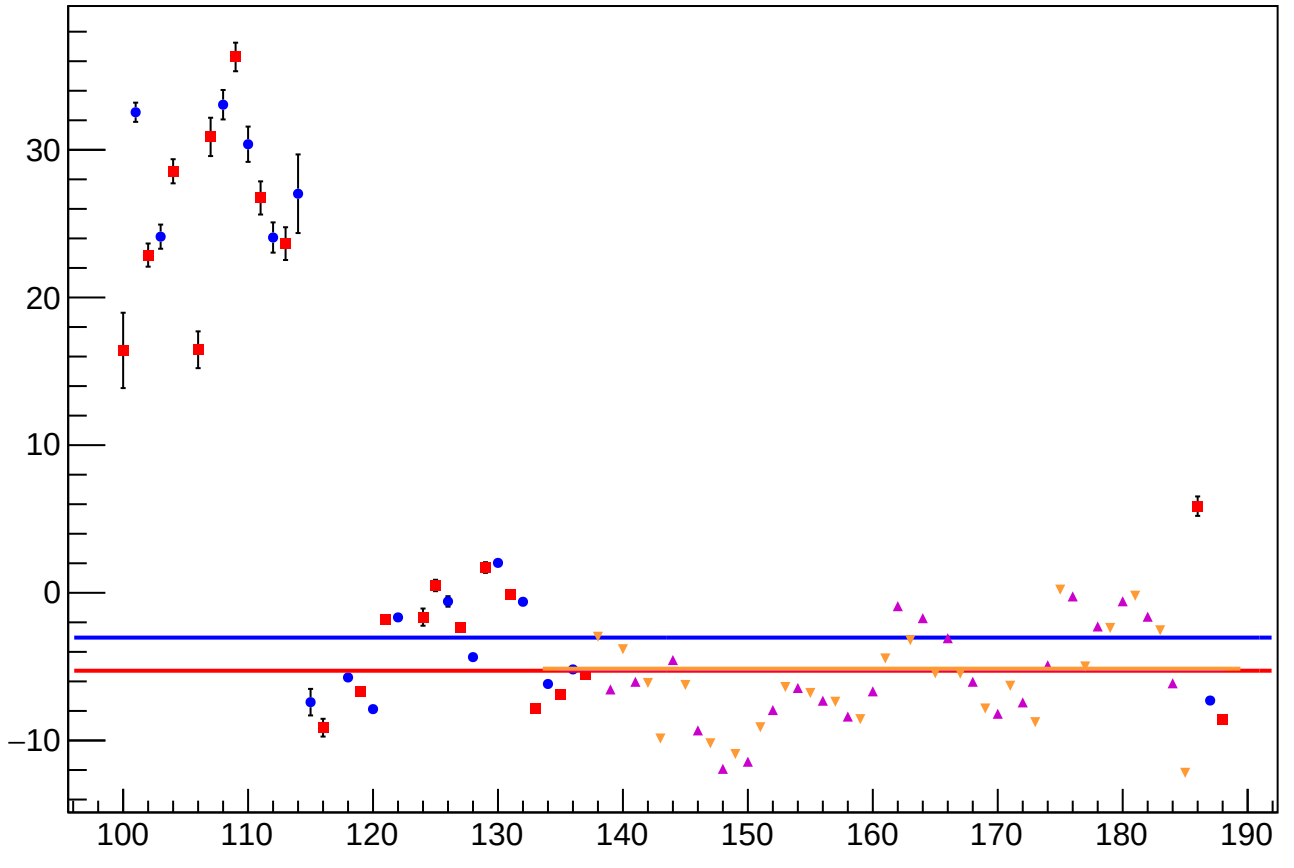
Left: -0.280+/-0.016 χ^2/NDF: 25419.3/47

Right: -2.699+/-0.048 χ^2/NDF: 15054.1/37

In: -0.489+/-0.021 χ^2/NDF:21400.5/39

Out: -0.534+/-0.021 χ^2/NDF:21380.9/45

All: -0.512+/-0.015 χ^2/NDF: 42783.6/85



Right In: -3.033+/-0.079 χ^2/NDF: 8467.9/16

Left Out: -5.138+/-0.028 χ^2/NDF:14626.0/24

Right Out: -5.276+/-0.064 χ^2/NDF: 10385.9/20

Left In: -5.177+/-0.028 χ^2/NDF:13963.7/22

Left: -5.157+/-0.020 χ^2/NDF: 28590.7/47

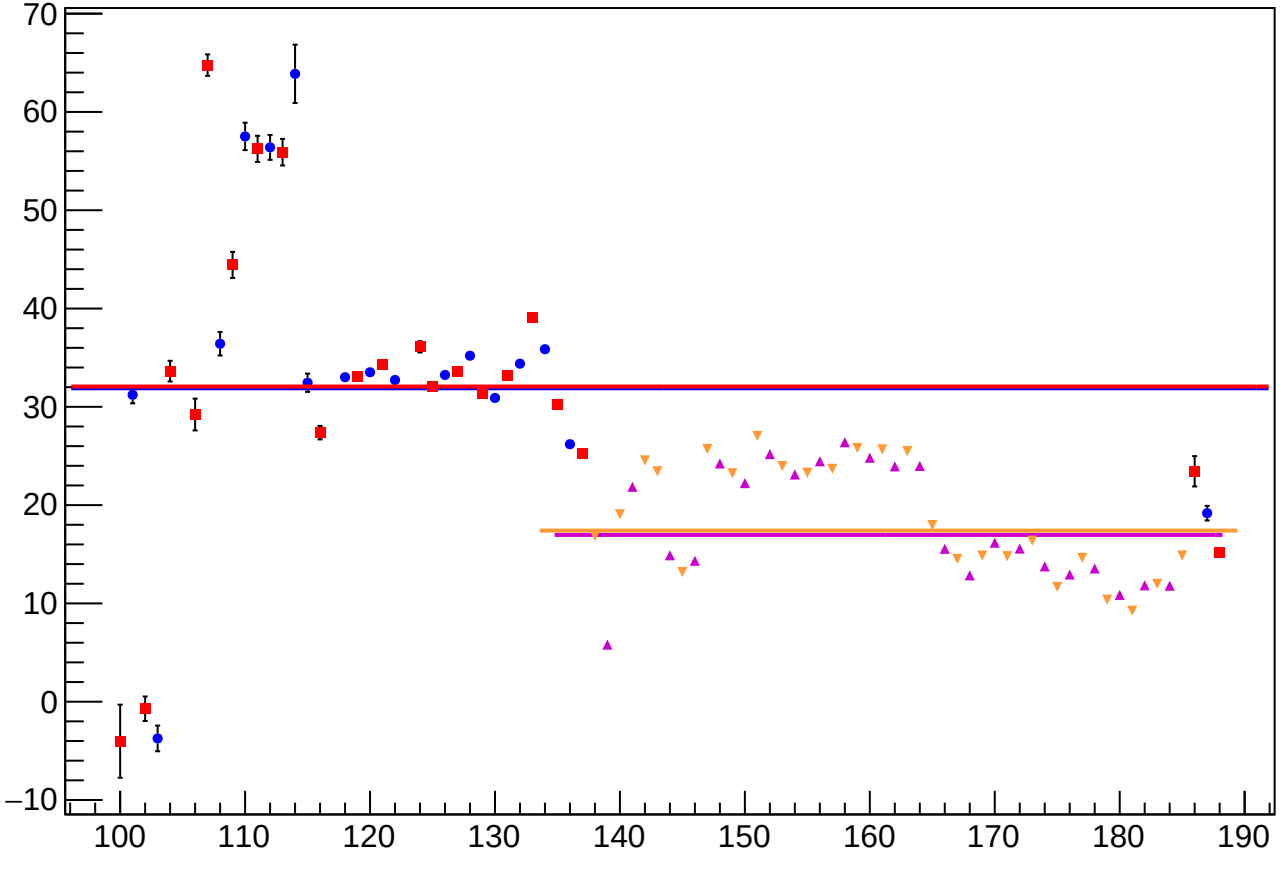
Right: -4.392+/-0.050 χ^2/NDF: 19341.9/37

In: -4.932+/-0.027 χ^2/NDF:23083.7/39

Out: -5.160+/-0.025 χ^2/NDF:25015.9/45

All: -5.051+/-0.018 χ^2/NDF: 48137.8/85

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 31.886+/-0.081 χ^2/NDF: 3550.3/16

Left Out: 17.409+/-0.024 χ^2/NDF:50630.8/24

Right Out: 32.065+/-0.078 χ^2/NDF: 9158.7/20

Left In: 16.967+/-0.025 χ^2/NDF:39939.4/22

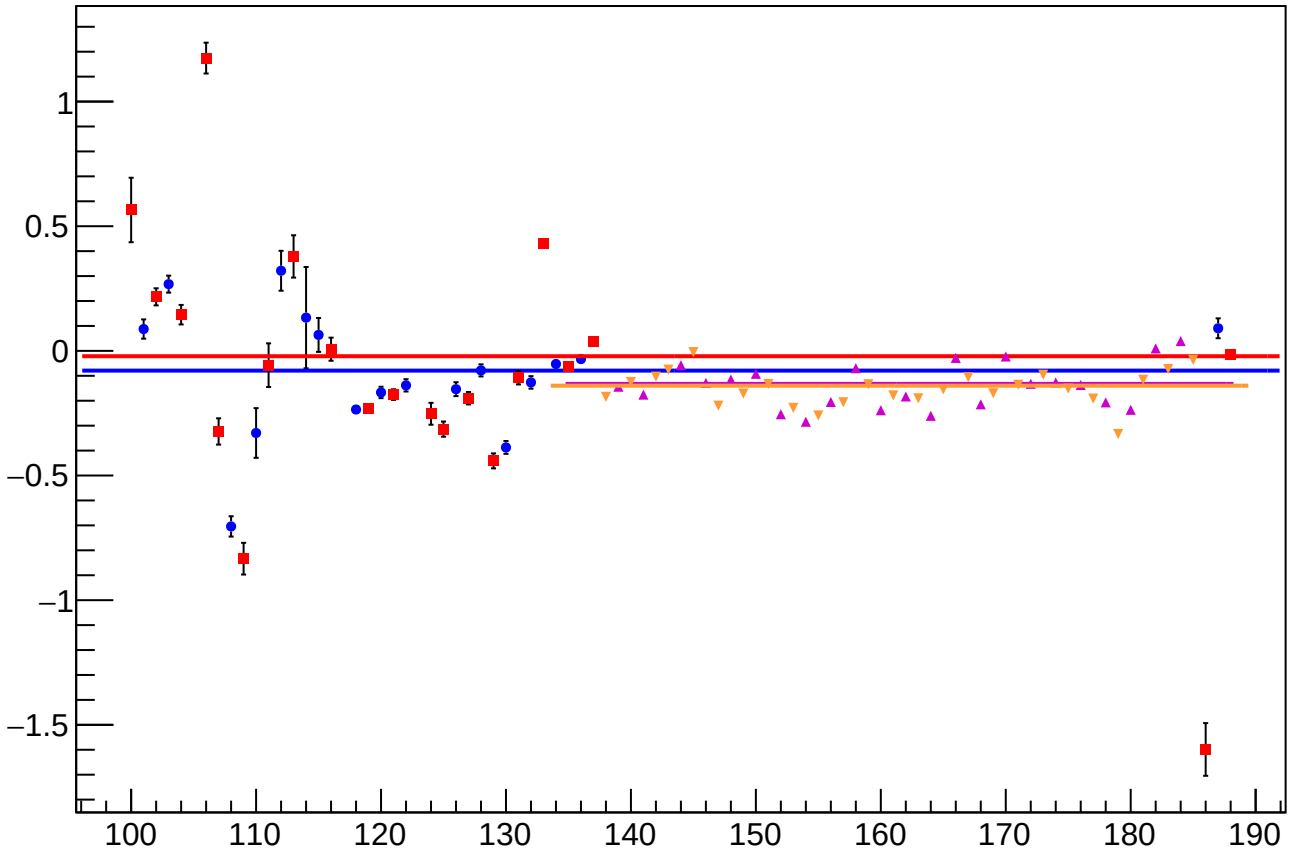
Left: 17.193+/-0.017 χ^2/NDF: 90729.6/47

Right: 31.979+/-0.056 χ^2/NDF: 12711.5/37

In: 18.271+/-0.024 χ^2/NDF:74597.5/39

Out: 18.733+/-0.023 χ^2/NDF:92248.9/45

All: 18.508+/-0.017 χ^2/NDF: 167037.6/85



Right In: -0.079+/-0.005 χ^2/NDF: 707.7/16

Left Out: -0.140+/-0.001 χ^2/NDF:4108.2/24

Right Out: -0.021+/-0.005 χ^2/NDF: 2497.0/20

Left In: -0.133+/-0.001 χ^2/NDF:5529.7/22

Left: -0.136+/-0.001 χ^2/NDF: 9659.1/47

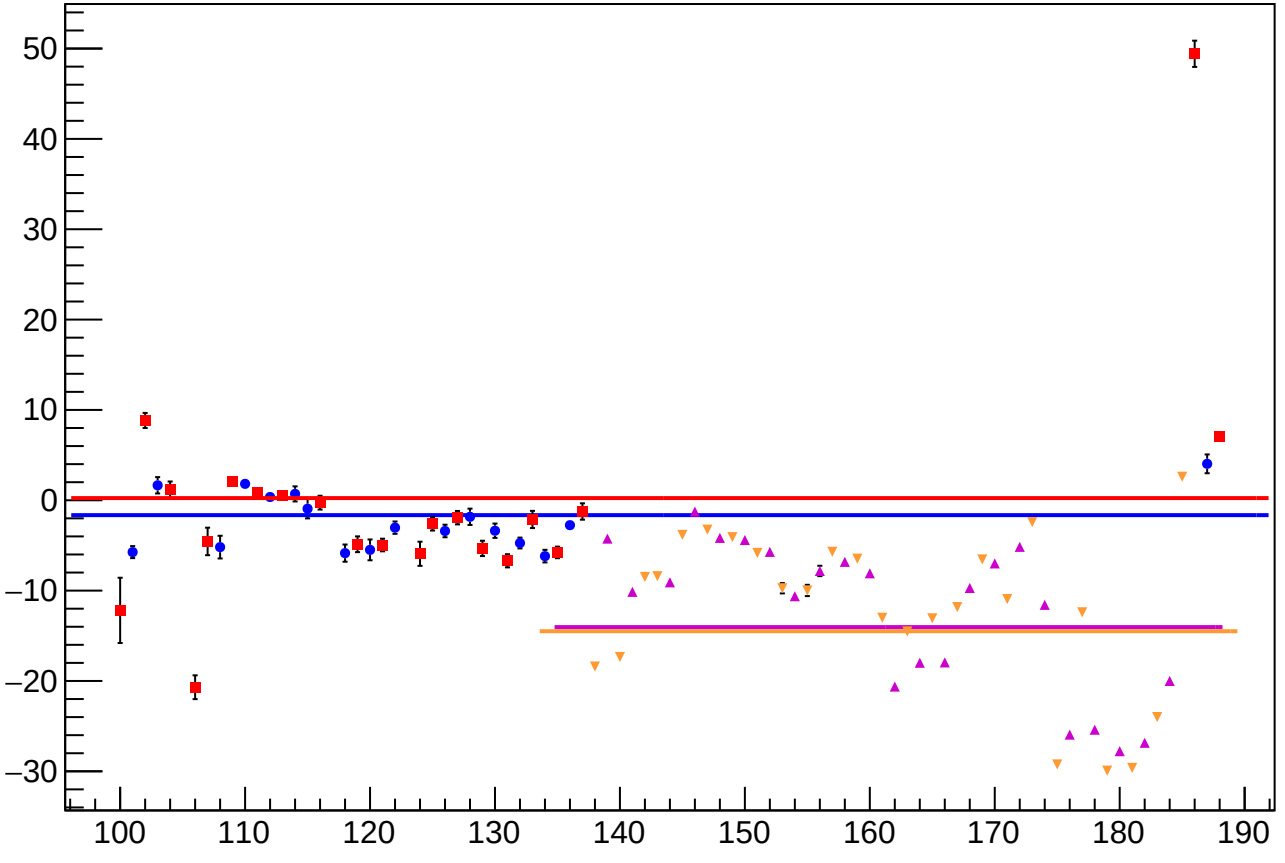
Right: -0.050+/-0.003 χ^2/NDF: 3278.1/37

In: -0.130+/-0.001 χ^2/NDF:6354.8/39

Out: -0.134+/-0.001 χ^2/NDF:7198.4/45

All: -0.132+/-0.001 χ^2/NDF: 13559.9/85

reg_asym_sam_1357_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -1.646+/-0.155 χ^2/NDF: 328.1/16

Left Out: -14.494+/-0.075 χ^2/NDF:17232.7/24

Right Out: 0.241+/-0.142 χ^2/NDF: 2093.3/20

Left In: -14.038+/-0.077 χ^2/NDF:13482.5/22

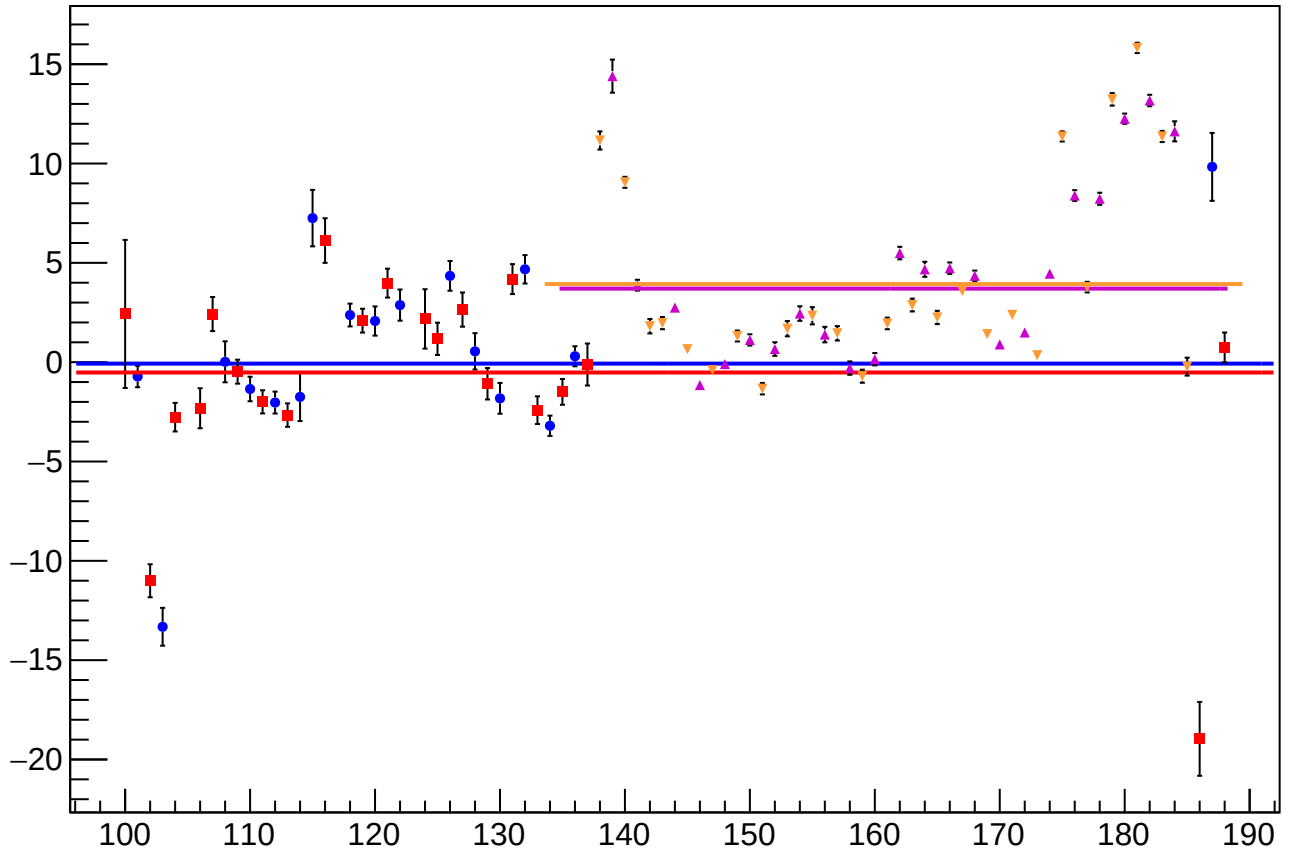
Left: -14.272+/-0.054 χ^2/NDF: 30733.3/47

Right: -0.618+/-0.105 χ^2/NDF: 2501.7/37

In: -11.604+/-0.069 χ^2/NDF:18922.5/39

Out: -11.302+/-0.066 χ^2/NDF:27741.6/45

All: -11.447+/-0.048 χ^2/NDF: 46674.1/85



Right In: -0.072+/-0.172 χ^2/NDF: 437.1/16

Left Out: 3.932+/-0.058 χ^2/NDF:6979.2/24

Right Out: -0.519+/-0.172 χ^2/NDF: 467.9/20

Left In: 3.703+/-0.059 χ^2/NDF:4788.5/22

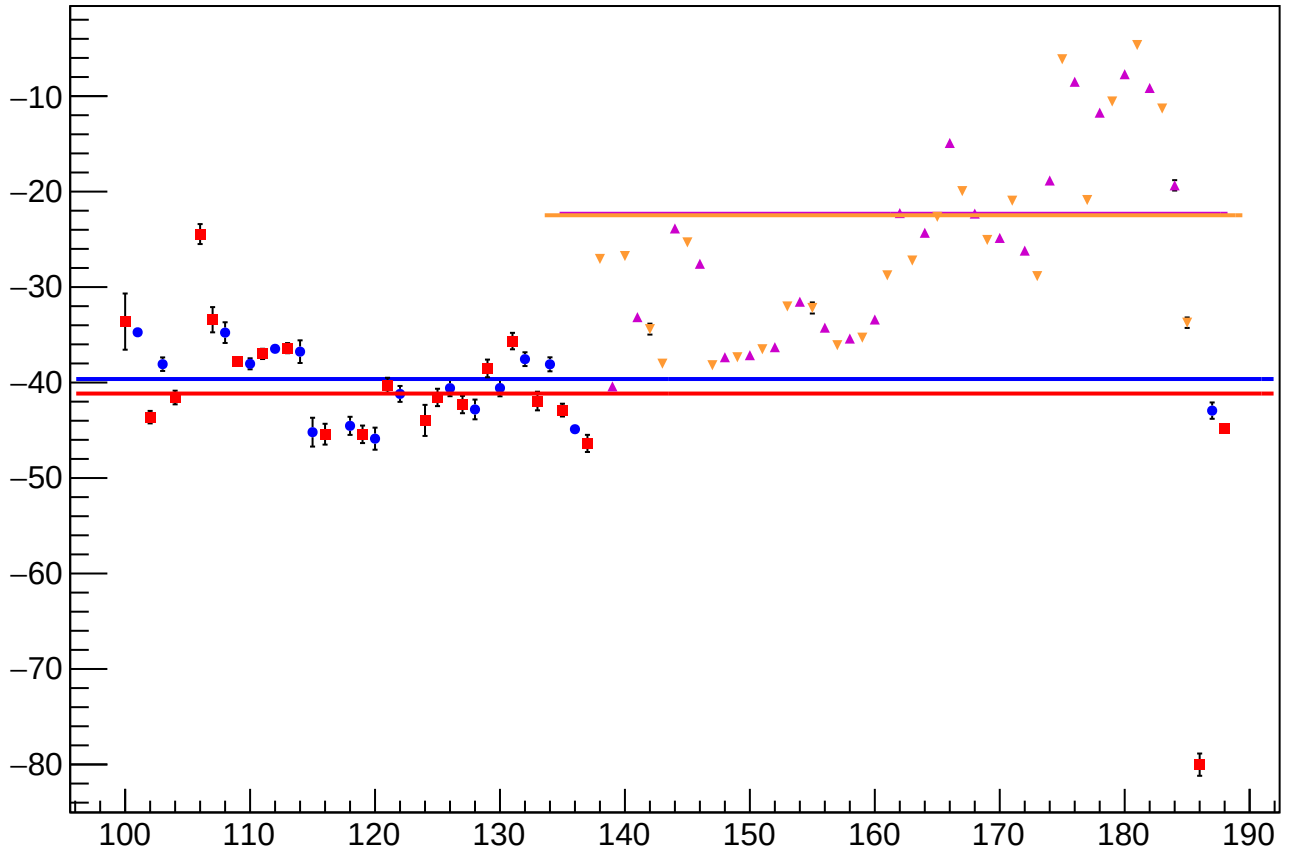
Left: 3.820+/-0.041 χ^2/NDF: 11775.3/47

Right: -0.296+/-0.122 χ^2/NDF: 908.4/37

In: 3.303+/-0.056 χ^2/NDF:5655.7/39

Out: 3.477+/-0.055 χ^2/NDF:8050.2/45

All: 3.392+/-0.039 χ^2/NDF: 13710.9/85



Right In: -39.630+/-0.176 χ^2/NDF: 424.9/16

Left Out: -22.478+/-0.075 χ^2/NDF:20417.4/24

Right Out: -41.152+/-0.165 χ^2/NDF: 1812.4/20

Left In: -22.322+/-0.077 χ^2/NDF:17133.3/22

Left: -22.402+/-0.054 χ^2/NDF: 37552.8/47

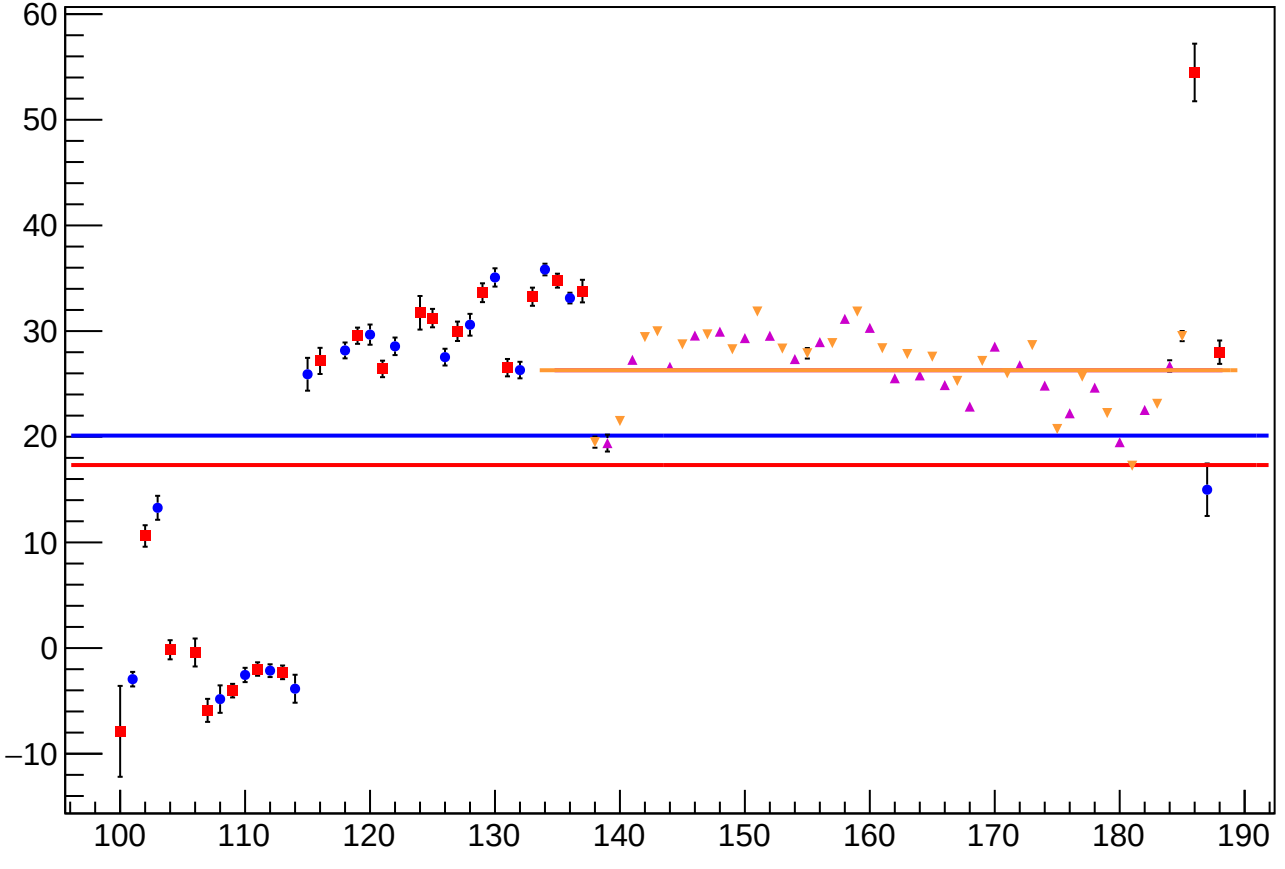
Right: -40.442+/-0.121 χ^2/NDF: 2277.0/37

In: -25.068+/-0.070 χ^2/NDF:25662.4/39

Out: -25.658+/-0.068 χ^2/NDF:32850.4/45

All: -25.372+/-0.049 χ^2/NDF: 58549.3/85

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 20.109+/-0.194 χ^2/NDF: 6688.9/16

Left Out: 26.296+/-0.065 χ^2/NDF:3307.8/24

Right Out: 17.322+/-0.196 χ^2/NDF: 7025.5/20

Left In: 26.292+/-0.067 χ^2/NDF:2185.8/22

Left: 26.294+/-0.047 χ^2/NDF: 5493.5/47

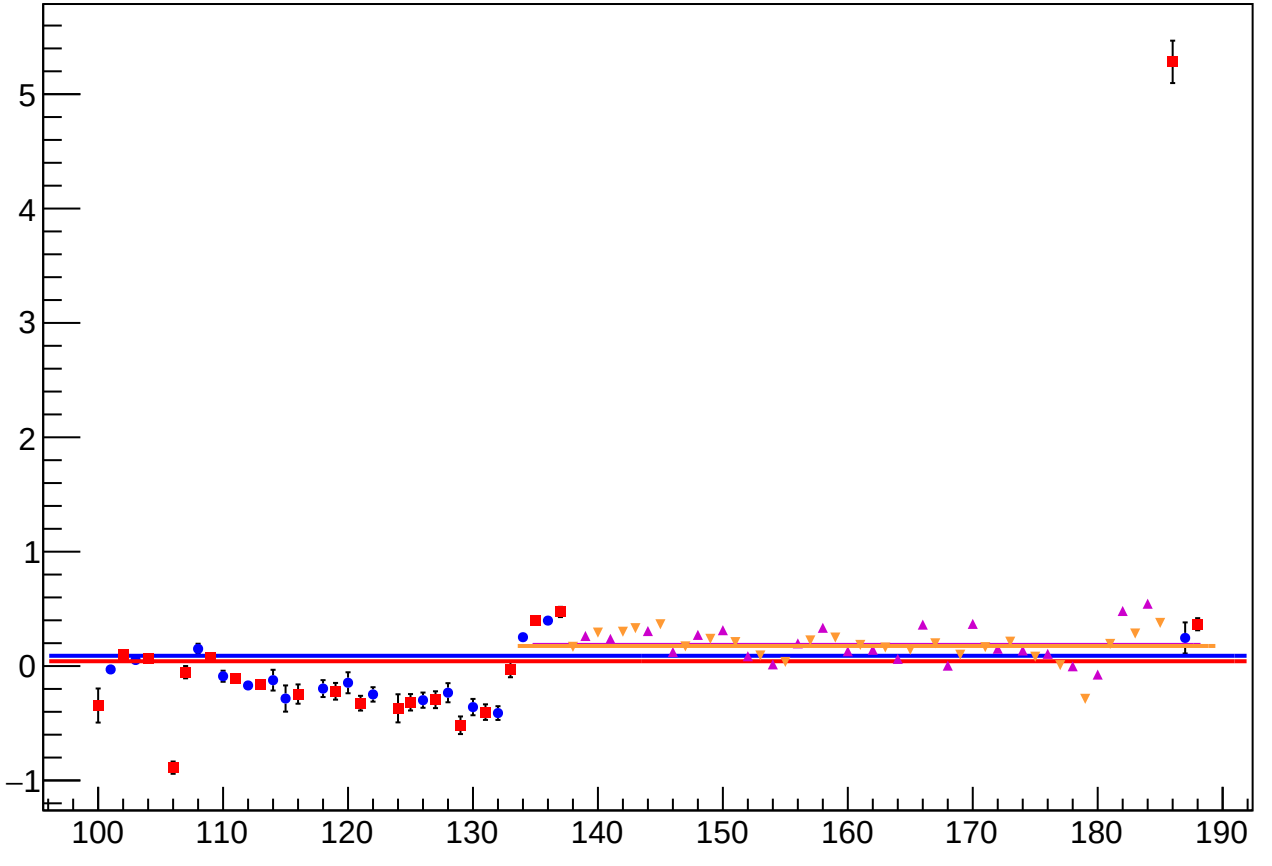
Right: 18.729+/-0.138 χ^2/NDF: 13816.4/37

In: 25.640+/-0.063 χ^2/NDF:9782.5/39

Out: 25.405+/-0.062 χ^2/NDF:12220.9/45

All: 25.520+/-0.044 χ^2/NDF: 22010.5/85

reg_asym_sam_1357_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.090+/-0.010 χ^2/NDF: 565.3/16

Left Out: 0.176+/-0.003 χ^2/NDF:1935.6/24

Right Out: 0.042+/-0.011 χ^2/NDF: 1680.1/20

Left In: 0.185+/-0.003 χ^2/NDF:2538.5/22

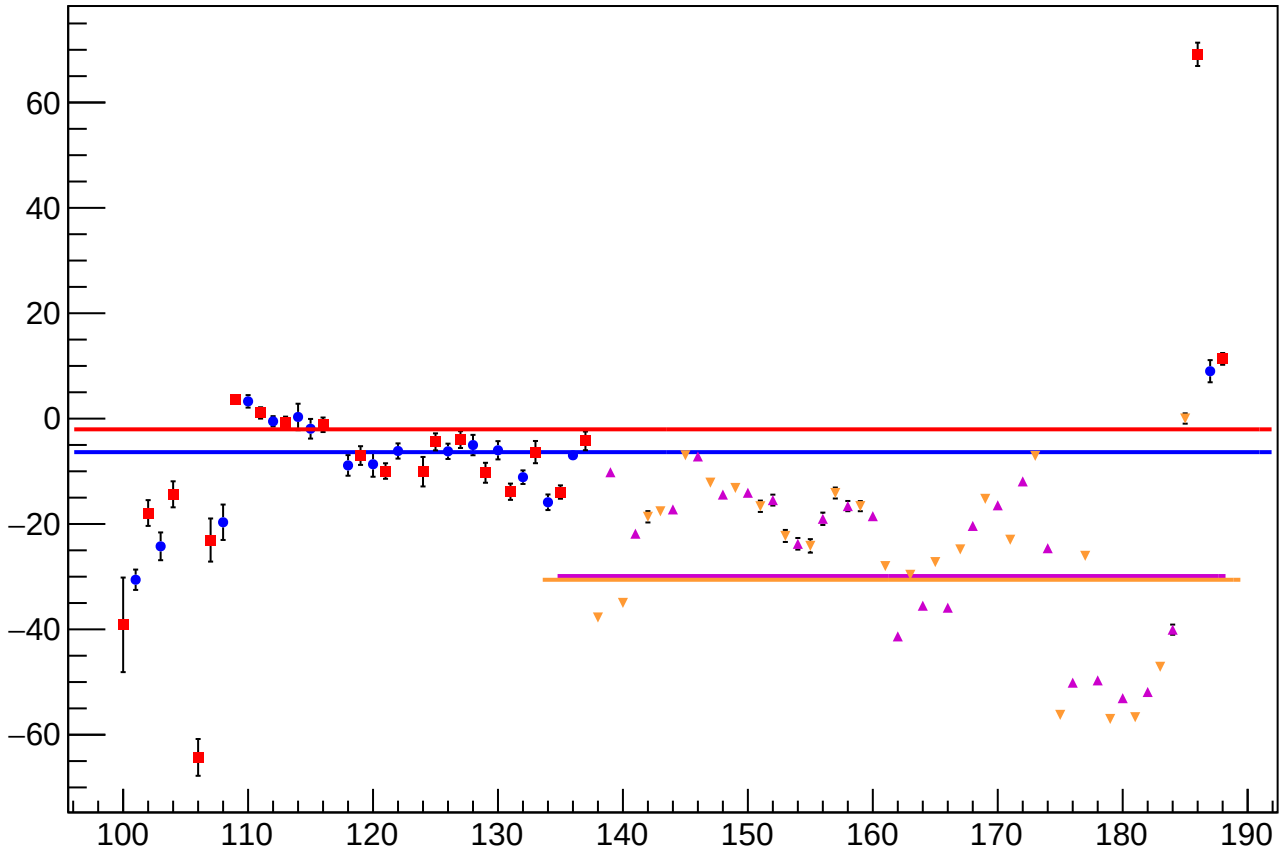
Left: 0.180+/-0.002 χ^2/NDF: 4479.2/47

Right: 0.067+/-0.007 χ^2/NDF: 2255.6/37

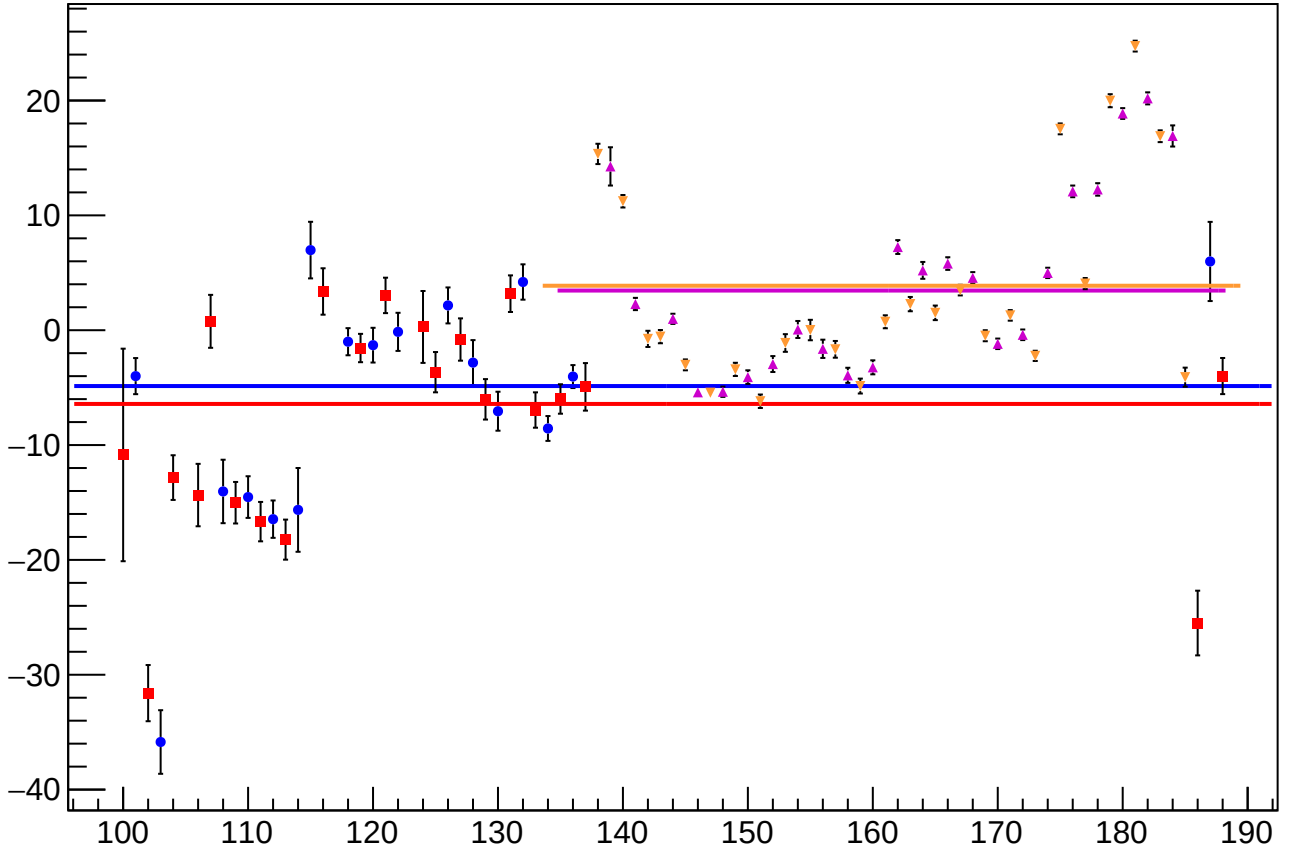
In: 0.178+/-0.003 χ^2/NDF:3181.4/39

Out: 0.167+/-0.003 χ^2/NDF:3759.0/45

All: 0.172+/-0.002 χ^2/NDF: 6948.3/85


reg_asym_sam_2468_avg_diff_bpm1X_slope vs Slug, Sign Corrected
60
40
20
0
−20
−40
−60
100
110
120
130
140
150
160
170
180
190
Right In: -6.363+/-0.370 χ²/NDF: 445.1/16
Left Out: -30.587+/-0.142 χ²/NDF:16046.0/24
Right Out: -2.035+/-0.346 χ²/NDF: 1871.4/20
Left In: -29.878+/-0.146 χ²/NDF:12034.7/22
Left: -30.242+/-0.102 χ²/NDF: 28092.8/47
Right: -4.055+/-0.253 χ²/NDF: 2389.6/37
In: -26.698+/-0.136 χ²/NDF:15977.2/39
Out: -26.464+/-0.131 χ²/NDF:23745.5/45
All: -26.577+/-0.095 χ²/NDF: 39724.2/85

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -4.862+/-0.393 χ^2/NDF: 351.8/16

Left Out: 3.873+/-0.111 χ^2/NDF:6542.0/24

Right Out: -6.420+/-0.399 χ^2/NDF: 417.7/20

Left In: 3.453+/-0.114 χ^2/NDF:4693.7/22

Left: 3.667+/-0.079 χ^2/NDF: 11242.7/47

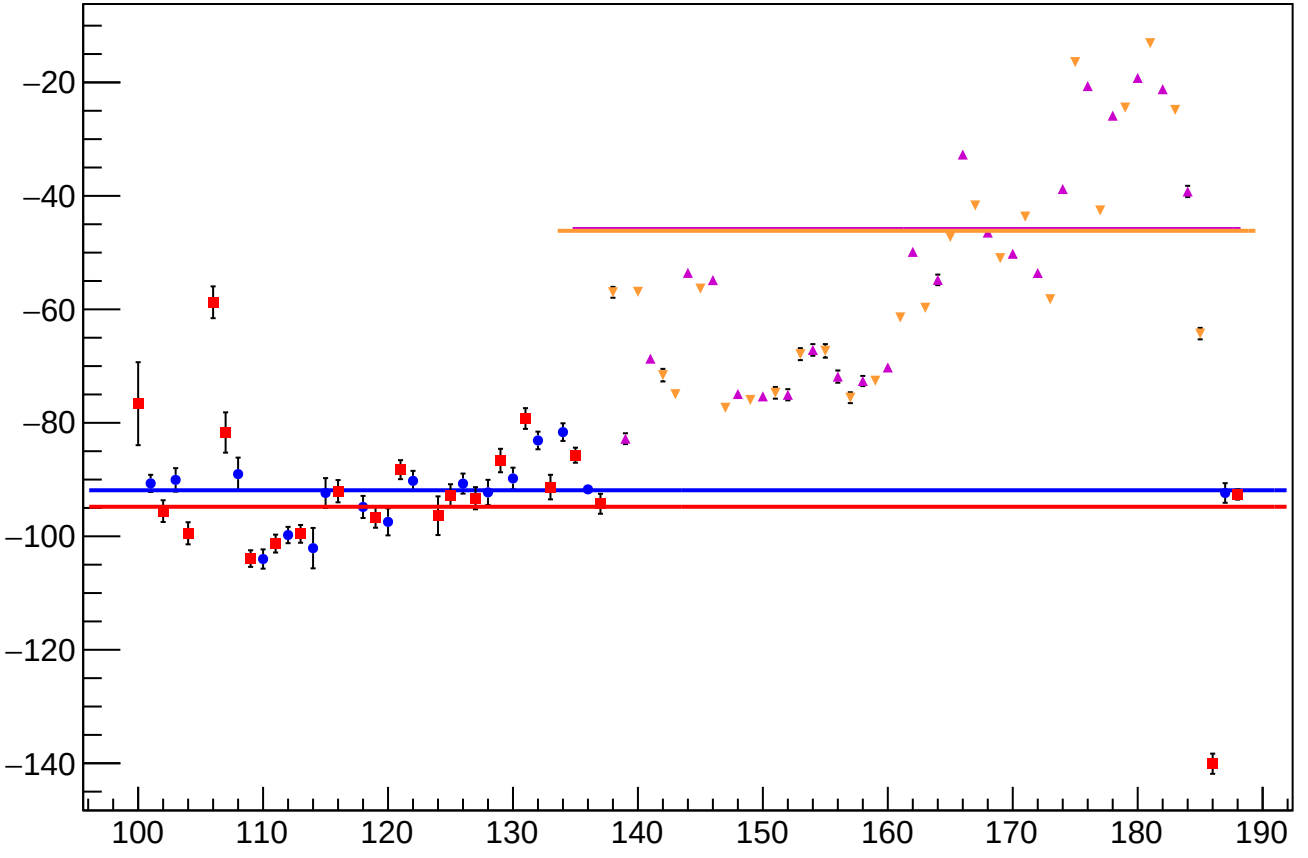
Right: -5.629+/-0.280 χ^2/NDF: 777.2/37

In: 2.810+/-0.109 χ^2/NDF:5459.1/39

Out: 3.130+/-0.107 χ^2/NDF:7578.4/45

All: 2.973+/-0.076 χ^2/NDF: 13041.8/85

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -91.885+/-0.412 χ^2/NDF: 177.4/16

Left Out: -46.153+/-0.142 χ^2/NDF:21455.9/24

Right Out: -94.793+/-0.385 χ^2/NDF: 1069.1/20

Left In: -45.833+/-0.146 χ^2/NDF:17924.6/22

Left: -45.997+/-0.102 χ^2/NDF: 39383.0/47

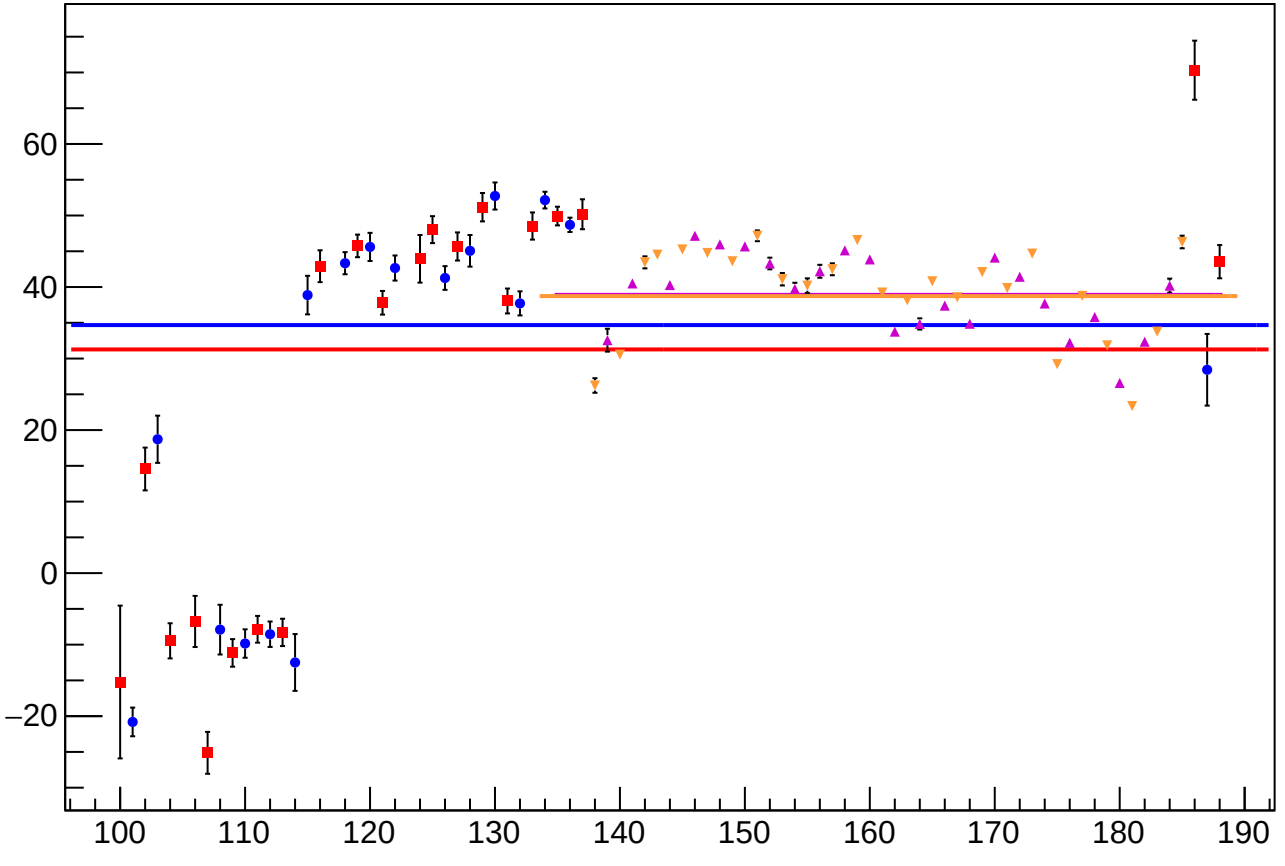
Right: -93.436+/-0.281 χ^2/NDF: 1273.0/37

In: -50.975+/-0.138 χ^2/NDF:29209.3/39

Out: -52.002+/-0.134 χ^2/NDF:36552.8/45

All: -51.504+/-0.096 χ^2/NDF: 65790.7/85

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 34.680+/-0.440 χ^2/NDF: 2810.7/16

Left Out: 38.730+/-0.125 χ^2/NDF:2781.7/24

Right Out: 31.274+/-0.455 χ^2/NDF: 3033.0/20

Left In: 38.905+/-0.127 χ^2/NDF:1971.6/22

Left: 38.816+/-0.089 χ^2/NDF: 4754.3/47

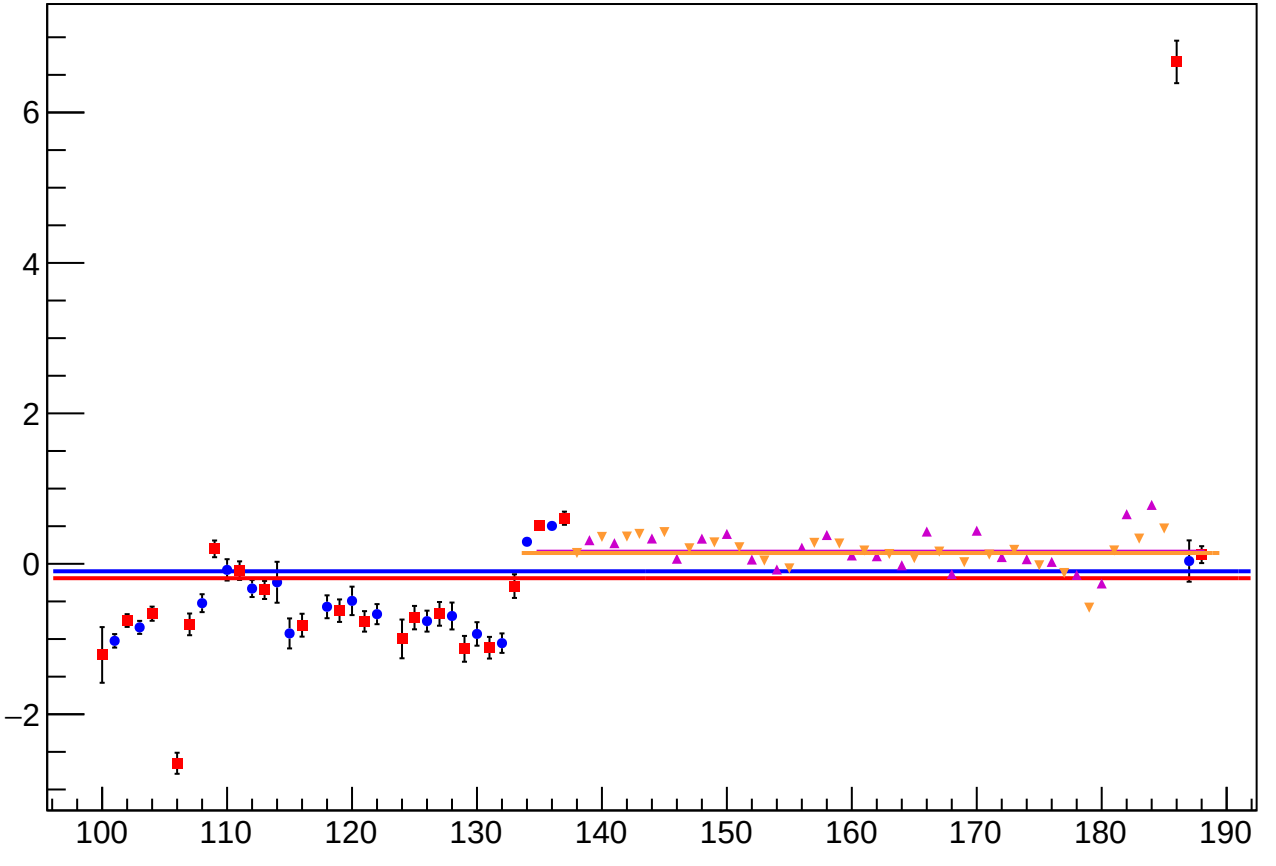
Right: 33.034+/-0.316 χ^2/NDF: 5872.7/37

In: 38.578+/-0.122 χ^2/NDF:4867.3/39

Out: 38.211+/-0.120 χ^2/NDF:6064.4/45

All: 38.391+/-0.086 χ^2/NDF: 10936.3/85

reg_asym_sam_2468_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.099+/-0.024 χ^2/NDF: 631.7/16

Left Out: 0.144+/-0.006 χ^2/NDF:1442.8/24

Right Out: -0.191+/-0.026 χ^2/NDF: 1429.0/20

Left In: 0.161+/-0.006 χ^2/NDF:1918.8/22

Left: 0.152+/-0.004 χ^2/NDF: 3366.6/47

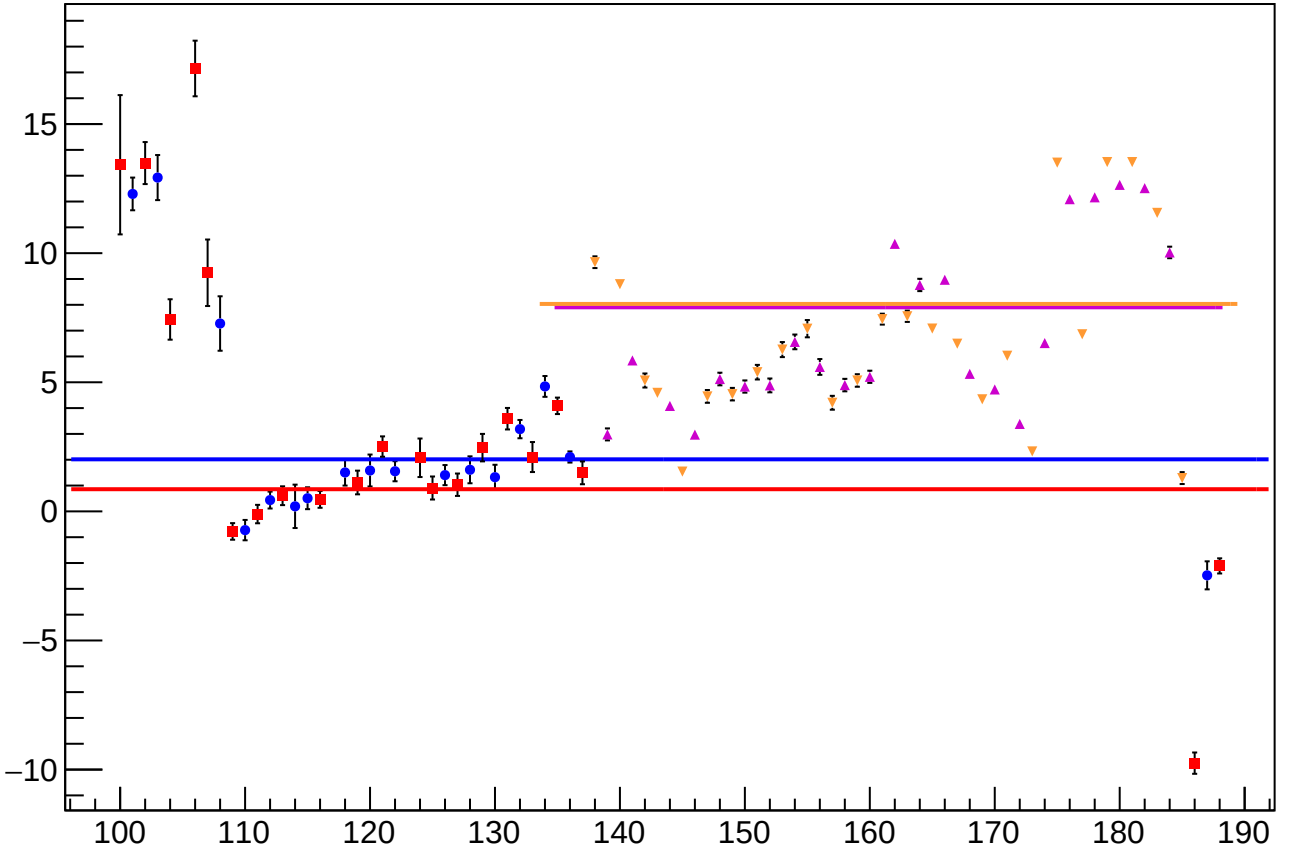
Right: -0.142+/-0.017 χ^2/NDF: 2067.7/37

In: 0.147+/-0.006 χ^2/NDF:2662.6/39

Out: 0.128+/-0.005 χ^2/NDF:3036.1/45

All: 0.138+/-0.004 χ^2/NDF: 5704.6/85

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 2.016+/-0.103 χ^2/NDF: 670.3/16

Left Out: 8.034+/-0.035 χ^2/NDF:13924.1/24

Right Out: 0.858+/-0.096 χ^2/NDF: 1585.5/20

Left In: 7.903+/-0.036 χ^2/NDF:10017.8/22

Left: 7.970+/-0.025 χ^2/NDF: 23948.8/47

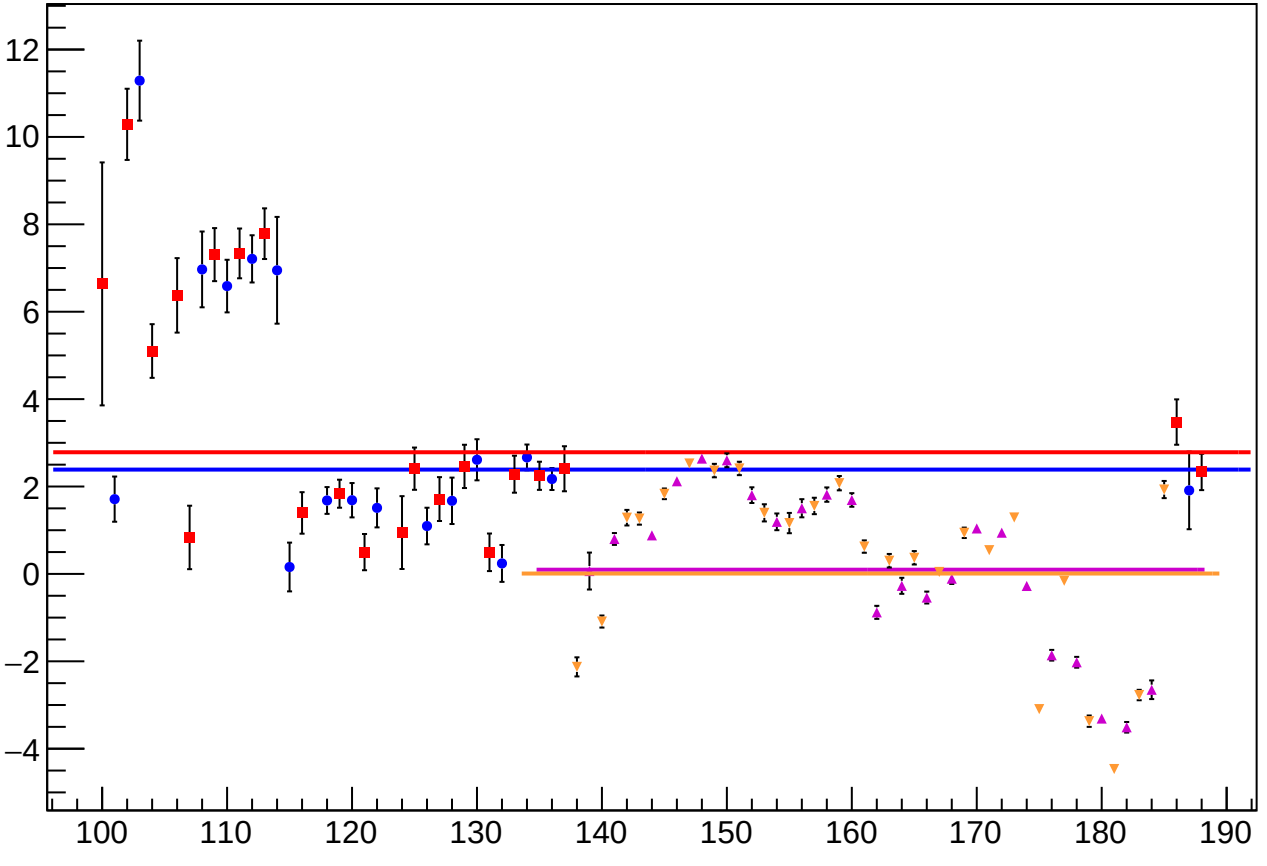
Right: 1.399+/-0.070 χ^2/NDF: 2323.0/37

In: 7.269+/-0.034 χ^2/NDF:13599.3/39

Out: 7.211+/-0.033 χ^2/NDF:20404.9/45

All: 7.239+/-0.023 χ^2/NDF: 34005.8/85

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.387+/-0.108 χ^2/NDF: 334.2/16

Left Out: 0.009+/-0.027 χ^2/NDF:5761.2/24

Right Out: 2.784+/-0.109 χ^2/NDF: 413.9/20

Left In: 0.096+/-0.028 χ^2/NDF:4433.3/22

Left: 0.051+/-0.020 χ^2/NDF: 10199.5/47

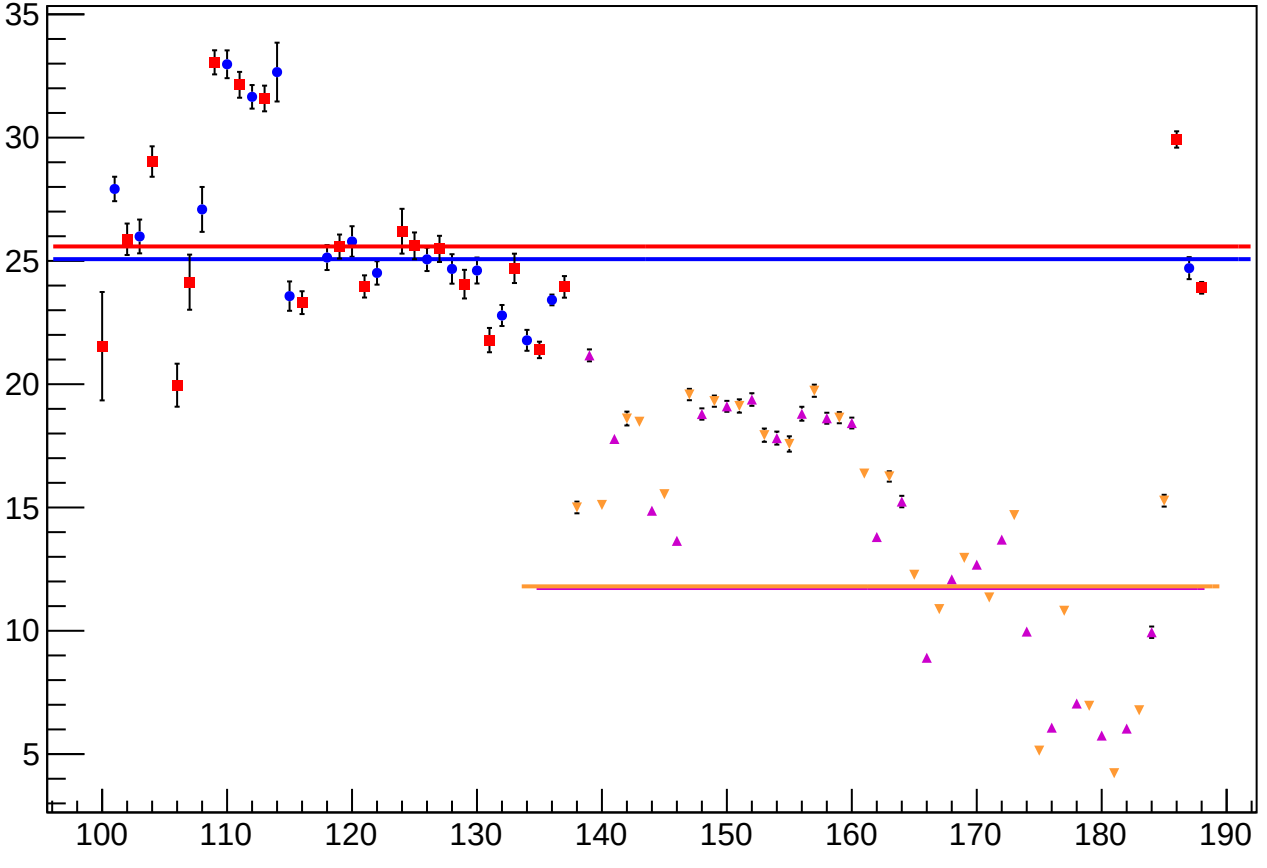
Right: 2.583+/-0.077 χ^2/NDF: 754.8/37

In: 0.243+/-0.027 χ^2/NDF:5192.3/39

Out: 0.174+/-0.027 χ^2/NDF:6783.3/45

All: 0.208+/-0.019 χ^2/NDF: 11978.9/85

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 25.071+/-0.114 χ^2/NDF: 623.6/16

Left Out: 11.802+/-0.035 χ^2/NDF:21479.5/24

Right Out: 25.586+/-0.104 χ^2/NDF: 1100.9/20

Left In: 11.735+/-0.036 χ^2/NDF:17999.5/22

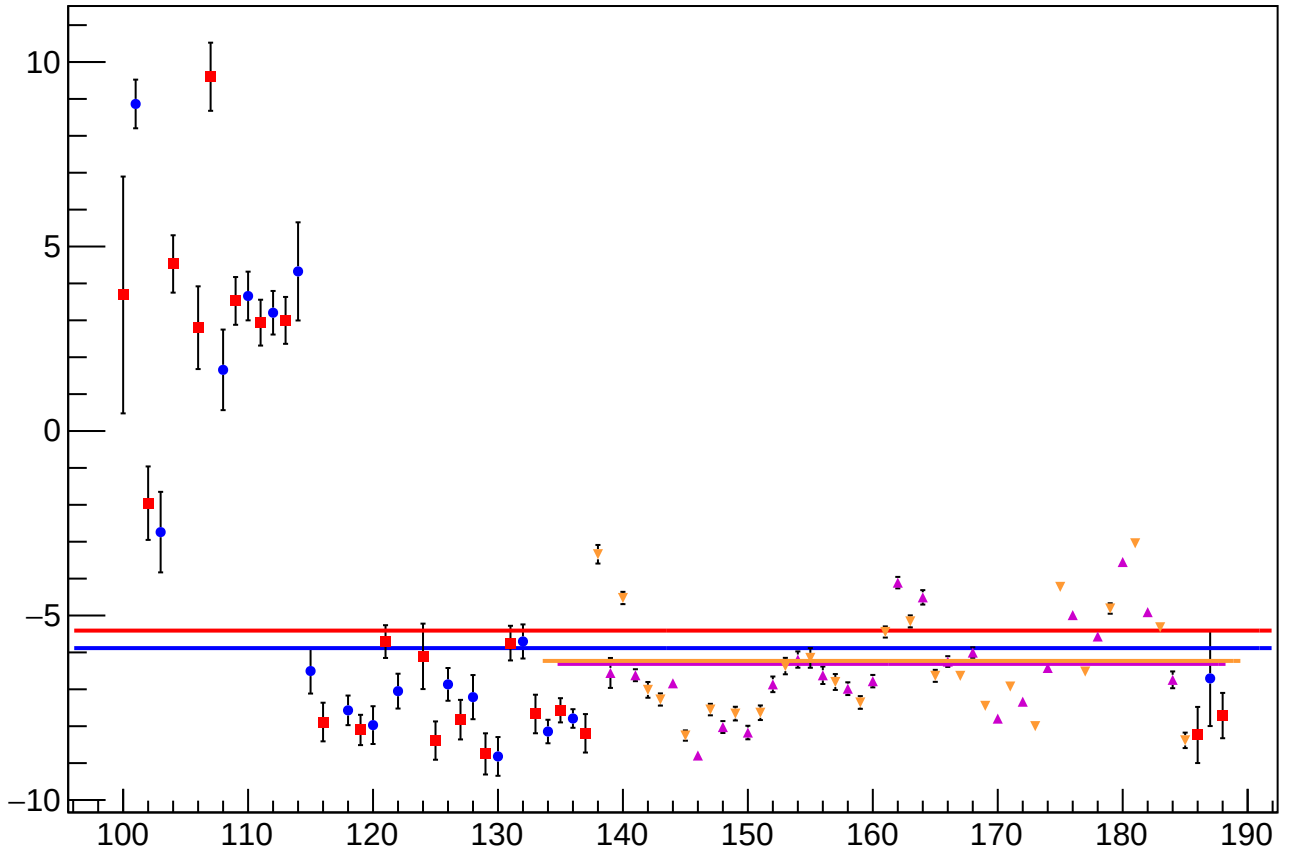
Left: 11.769+/-0.025 χ^2/NDF: 39480.8/47

Right: 25.351+/-0.077 χ^2/NDF: 1735.7/37

In: 12.939+/-0.034 χ^2/NDF:31147.0/39

Out: 13.187+/-0.033 χ^2/NDF:38303.7/45

All: 13.067+/-0.024 χ^2/NDF: 69477.9/85



Right In: -5.883+/-0.120 χ^2/NDF: 1251.8/16

Left Out: -6.231+/-0.031 χ^2/NDF:2450.1/24

Right Out: -5.409+/-0.125 χ^2/NDF: 1321.9/20

Left In: -6.311+/-0.031 χ^2/NDF:2030.2/22

Left: -6.270+/-0.022 χ^2/NDF: 4483.6/47

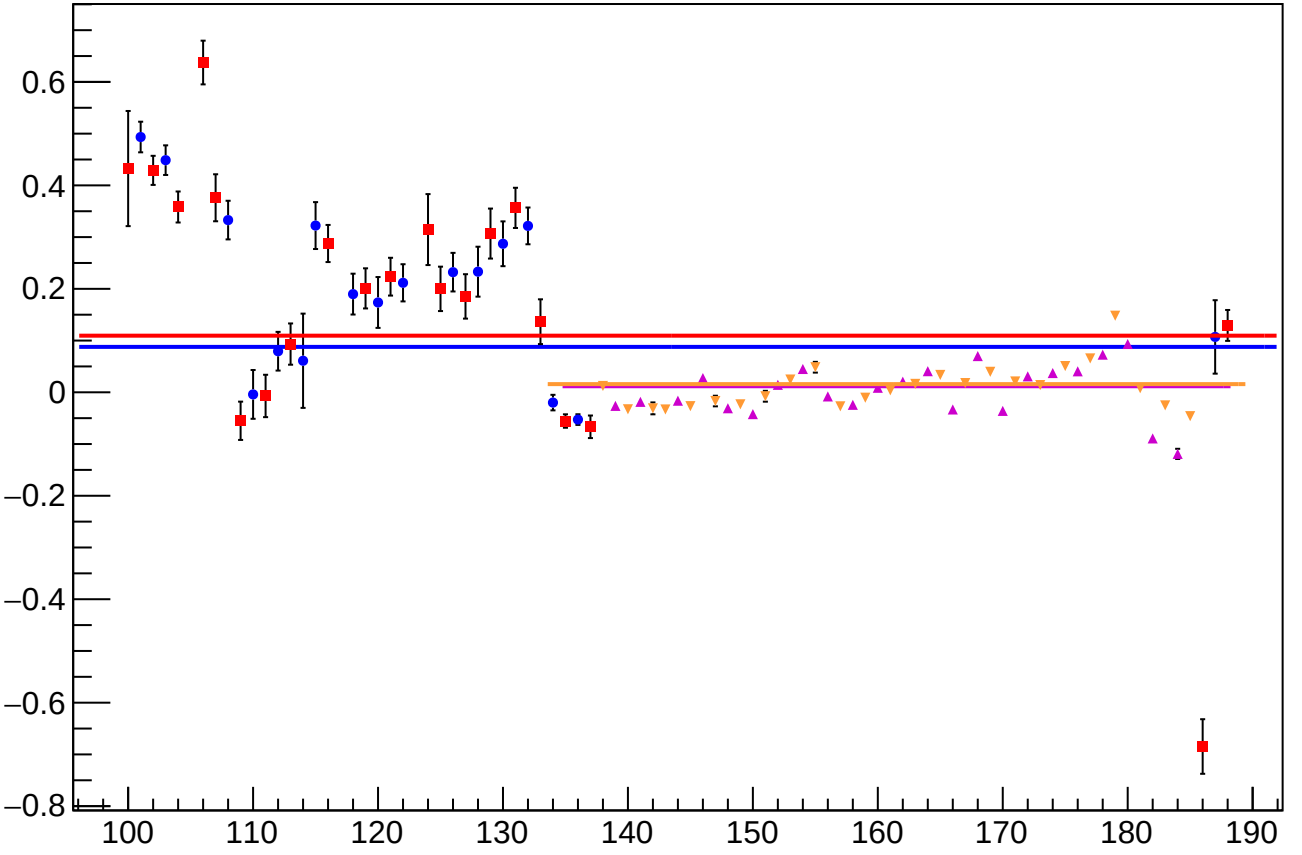
Right: -5.655+/-0.087 χ^2/NDF: 2581.2/37

In: -6.284+/-0.030 χ^2/NDF:3293.8/39

Out: -6.184+/-0.030 χ^2/NDF:3812.7/45

All: -6.233+/-0.021 χ^2/NDF: 7112.1/85

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.088+/-0.007 χ^2/NDF: 768.1/16

Left Out: 0.016+/-0.001 χ^2/NDF:933.4/24

Right Out: 0.109+/-0.007 χ^2/NDF: 993.0/20

Left In: 0.012+/-0.001 χ^2/NDF:1297.5/22

Left: 0.014+/-0.001 χ^2/NDF: 2235.3/47

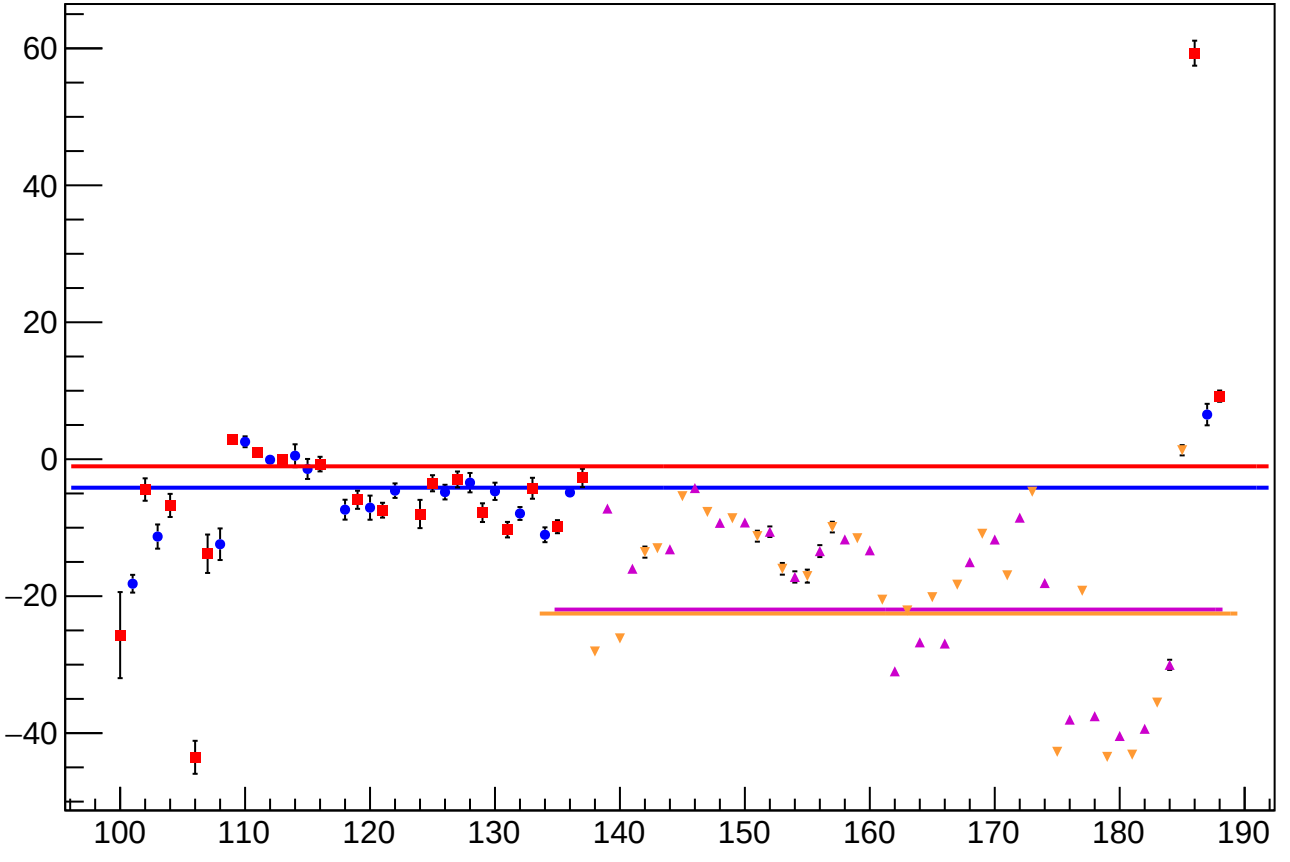
Right: 0.098+/-0.005 χ^2/NDF: 1766.2/37

In: 0.015+/-0.001 χ^2/NDF:2194.1/39

Out: 0.019+/-0.001 χ^2/NDF:2096.2/45

All: 0.017+/-0.001 χ^2/NDF: 4295.0/85

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -4.158+/-0.265 χ^2/NDF: 379.5/16

Left Out: -22.538+/-0.108 χ^2/NDF:16540.6/24

Right Out: -1.037+/-0.246 χ^2/NDF: 1906.4/20

Left In: -21.957+/-0.111 χ^2/NDF:12585.3/22

Left: -22.255+/-0.078 χ^2/NDF: 29139.9/47

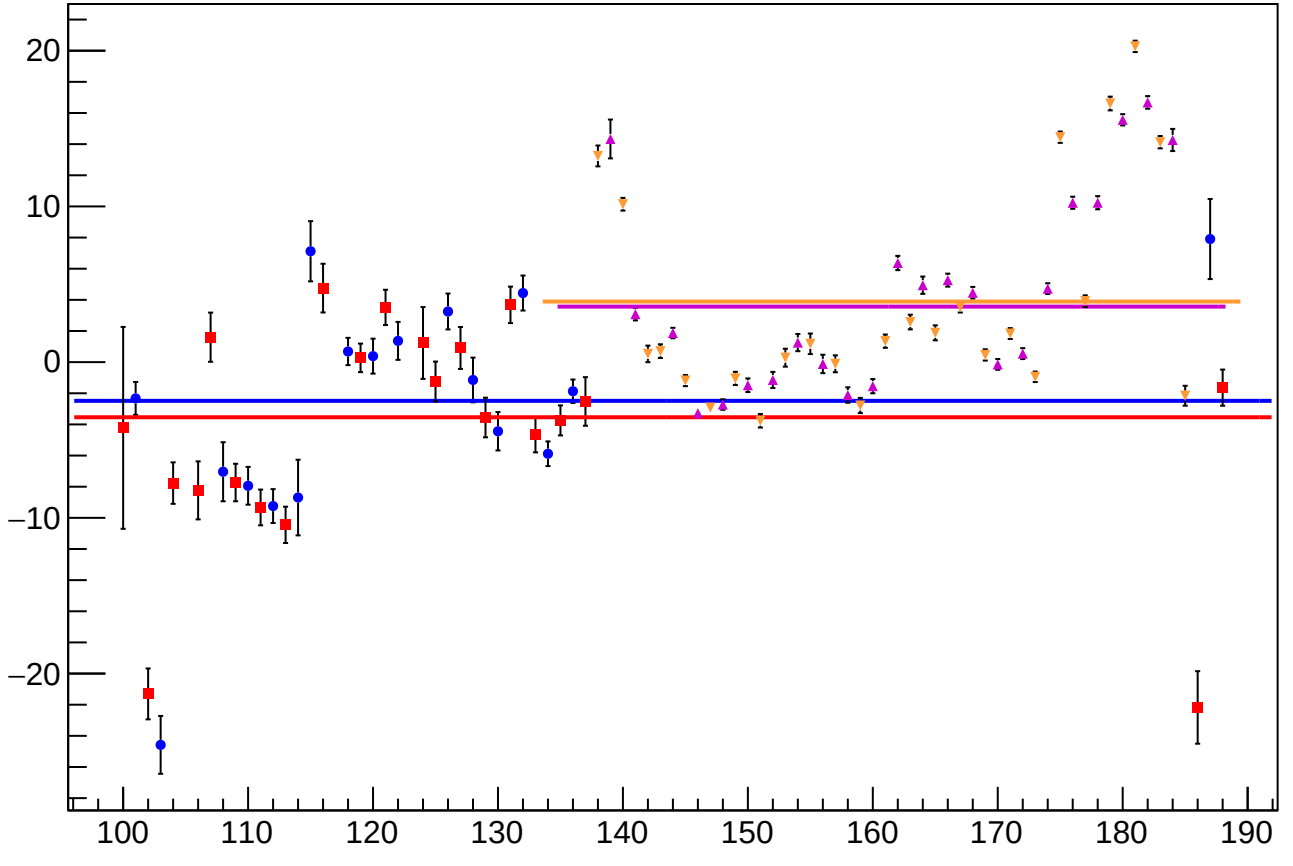
Right: -2.486+/-0.180 χ^2/NDF: 2360.4/37

In: -19.286+/-0.102 χ^2/NDF:16811.1/39

Out: -19.065+/-0.099 χ^2/NDF:24835.5/45

All: -19.172+/-0.071 χ^2/NDF: 41648.9/85

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -2.486+/-0.284 χ^2/NDF: 368.5/16

Left Out: 3.891+/-0.084 χ^2/NDF:6724.1/24

Right Out: -3.540+/-0.287 χ^2/NDF: 426.7/20

Left In: 3.565+/-0.086 χ^2/NDF:4739.4/22

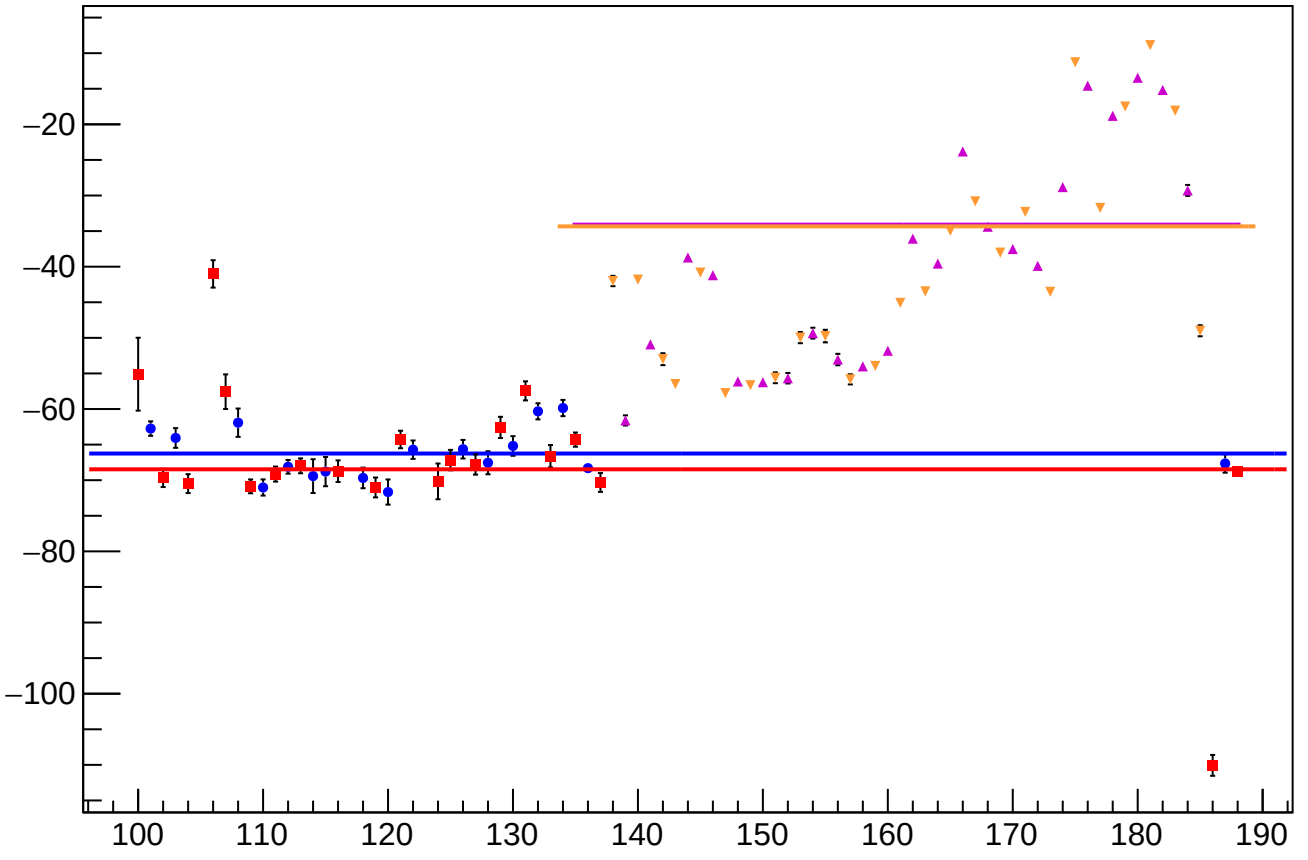
Left: 3.732+/-0.060 χ^2/NDF: 11470.7/47

Right: -3.007+/-0.202 χ^2/NDF: 802.0/37

In: 3.055+/-0.082 χ^2/NDF:5523.7/39

Out: 3.302+/-0.081 χ^2/NDF:7767.5/45

All: 3.181+/-0.058 χ^2/NDF: 13295.8/85



Right In: -66.253+/-0.296 χ^2/NDF: 130.4/16

Left Out: -34.334+/-0.108 χ^2/NDF:21200.8/24

Right Out: -68.470+/-0.278 χ^2/NDF: 1165.5/20

Left In: -34.091+/-0.111 χ^2/NDF:17726.5/22

Left: -34.216+/-0.077 χ^2/NDF: 38929.7/47

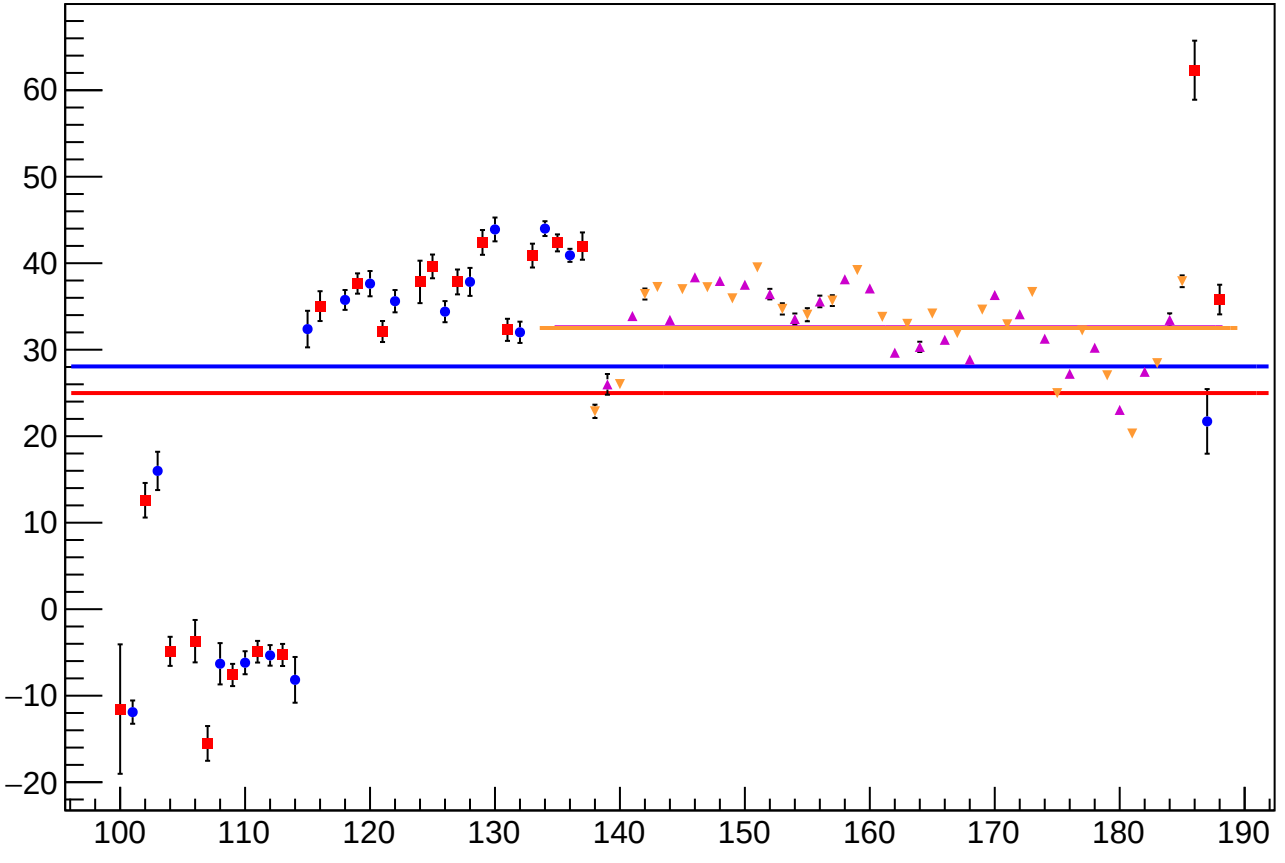
Right: -67.434+/-0.203 χ^2/NDF: 1325.7/37

In: -38.049+/-0.104 χ^2/NDF:28197.8/39

Out: -38.843+/-0.101 χ^2/NDF:35497.1/45

All: -38.458+/-0.072 χ^2/NDF: 63725.0/85

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 28.066+/-0.319 χ^2/NDF: 3730.6/16

Left Out: 32.511+/-0.095 χ^2/NDF:2938.0/24

Right Out: 24.987+/-0.328 χ^2/NDF: 4006.3/20

Left In: 32.598+/-0.097 χ^2/NDF:2012.9/22

Left: 32.553+/-0.068 χ^2/NDF: 4951.3/47

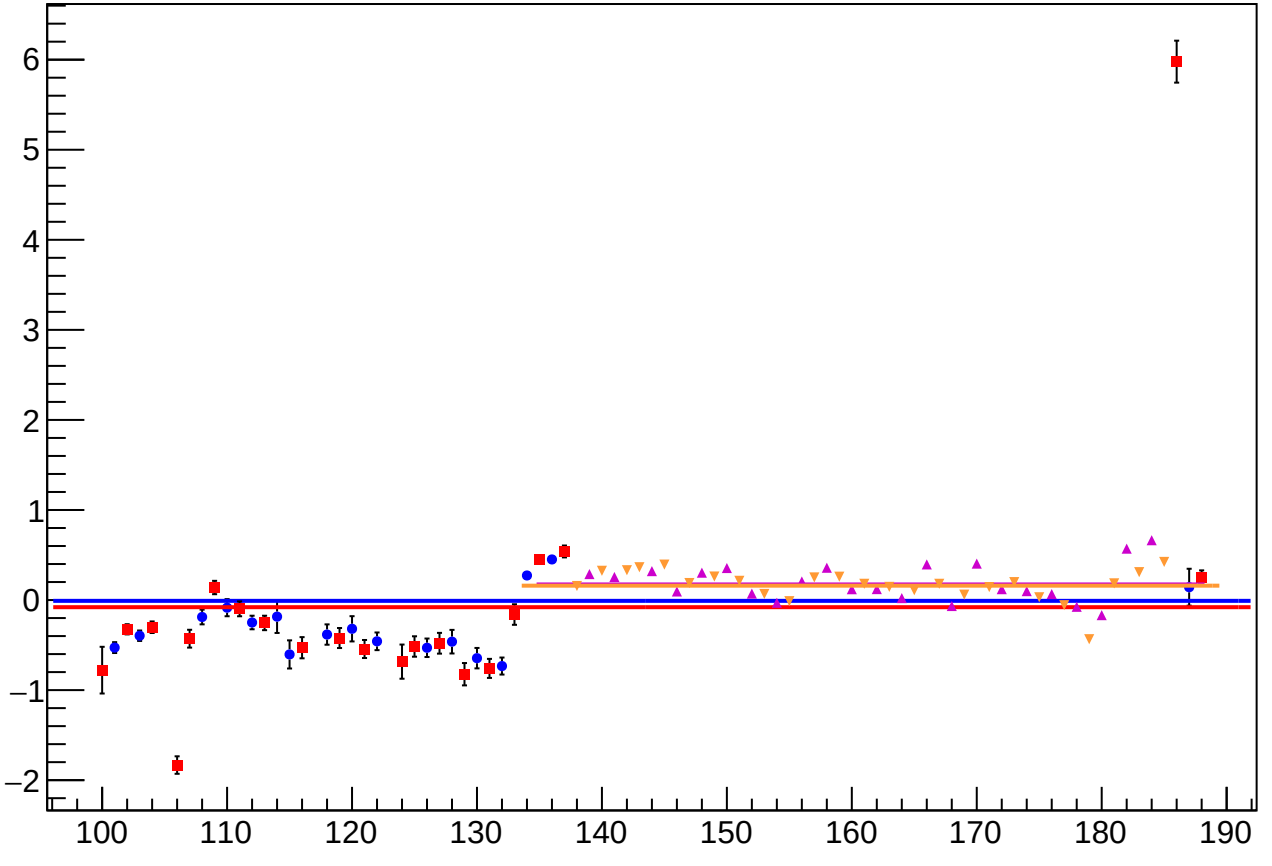
Right: 26.569+/-0.229 χ^2/NDF: 7782.2/37

In: 32.216+/-0.093 χ^2/NDF:5928.6/39

Out: 31.933+/-0.091 χ^2/NDF:7430.6/45

All: 32.072+/-0.065 χ^2/NDF: 13364.0/85

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.009+/-0.017 χ^2/NDF: 587.9/16

Left Out: 0.160+/-0.004 χ^2/NDF:1613.0/24

Right Out: -0.079+/-0.018 χ^2/NDF: 1519.0/20

Left In: 0.173+/-0.004 χ^2/NDF:2129.7/22

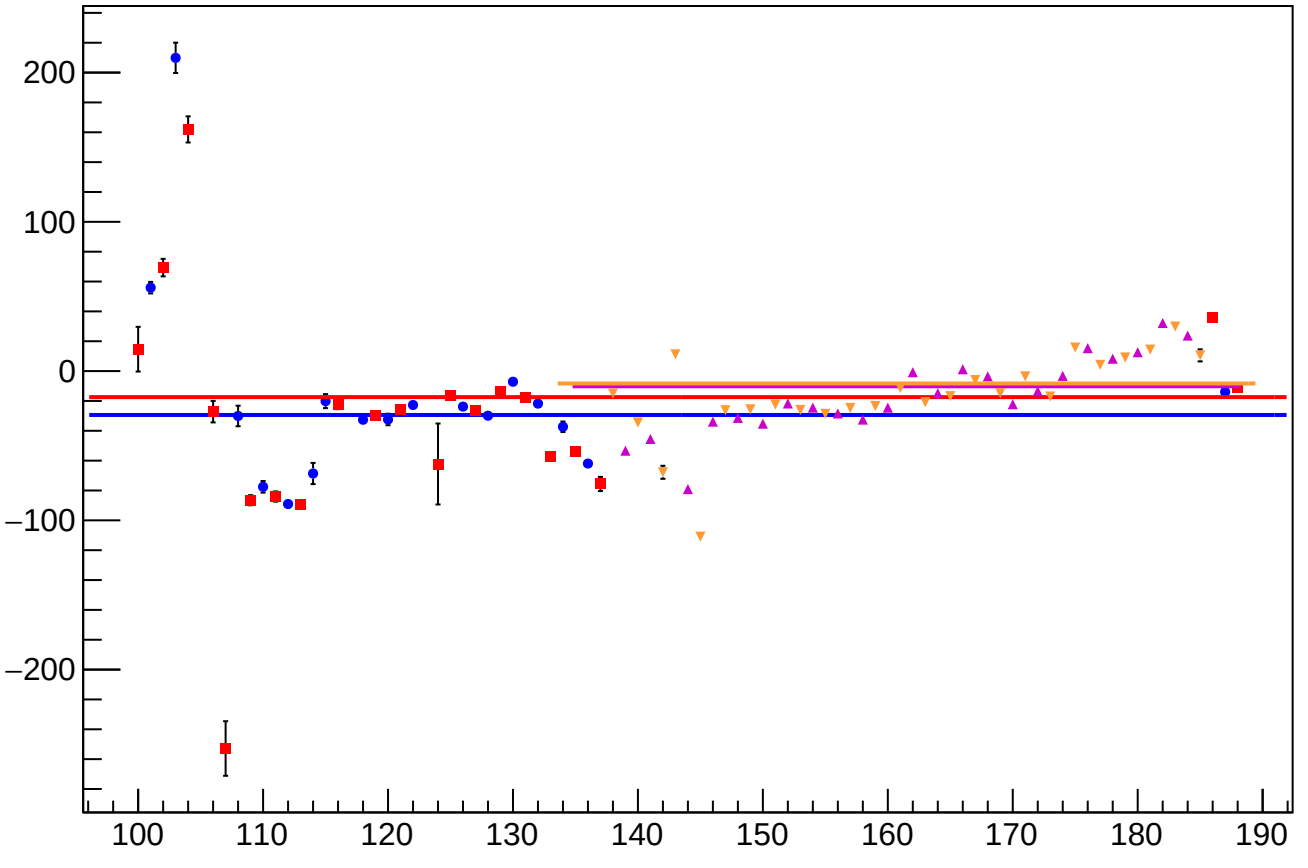
Left: 0.166+/-0.003 χ^2/NDF: 3747.7/47

Right: -0.042+/-0.013 χ^2/NDF: 2114.7/37

In: 0.162+/-0.004 χ^2/NDF:2822.3/39

Out: 0.148+/-0.004 χ^2/NDF:3293.7/45

All: 0.155+/-0.003 χ^2/NDF: 6122.4/85



Right In: -29.396+/-0.777 χ^2/NDF: 1947.1/16

Left Out: -8.298+/-0.514 χ^2/NDF:2559.6/24

Right Out: -17.444+/-0.634 χ^2/NDF: 3863.7/20

Left In: -10.183+/-0.526 χ^2/NDF:2518.4/22

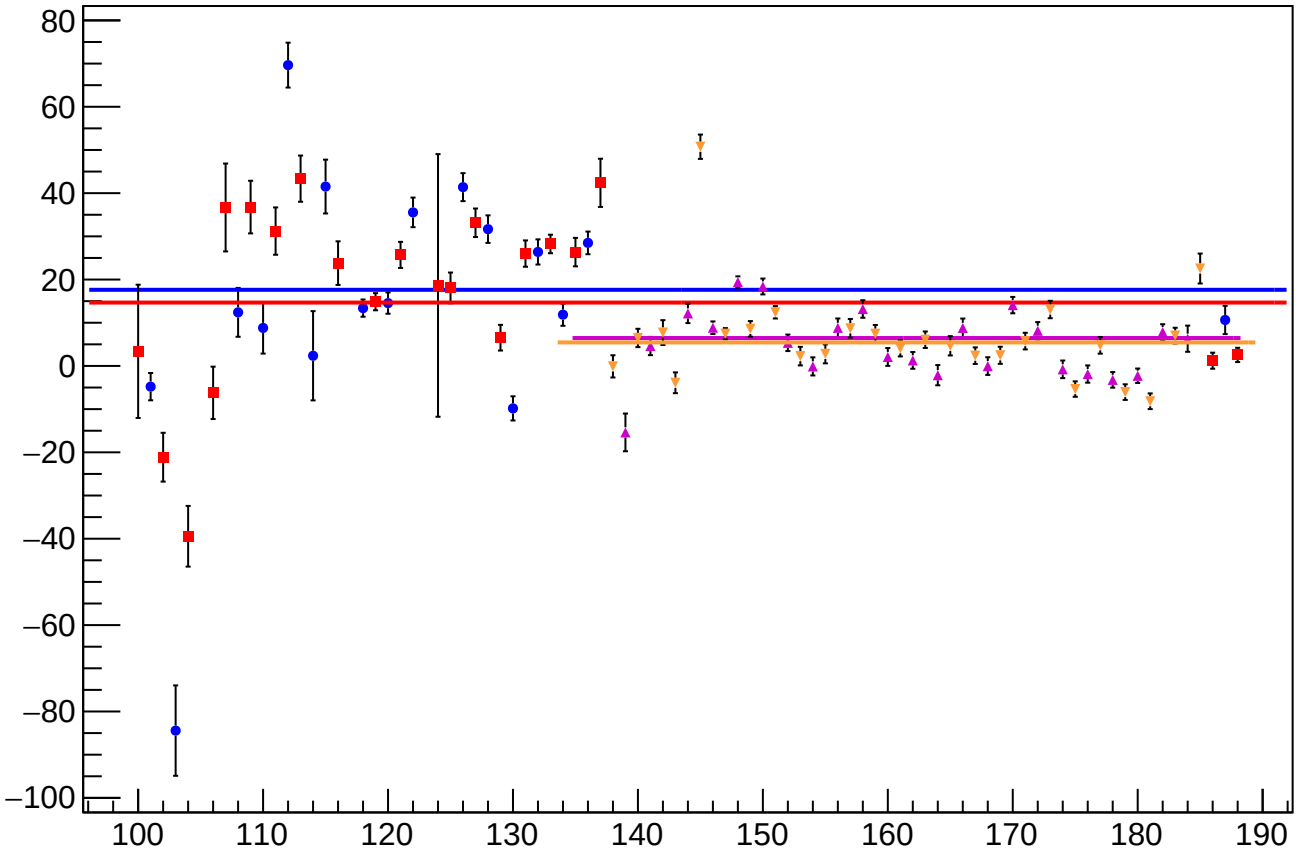
Left: -9.217+/-0.368 χ^2/NDF: 5084.6/47

Right: -22.217+/-0.491 χ^2/NDF: 5952.9/37

In: -16.224+/-0.436 χ^2/NDF:4884.6/39

Out: -11.924+/-0.399 χ^2/NDF:6549.0/45

All: -13.885+/-0.294 χ^2/NDF: 11486.6/85



Right In: 17.628+/-0.798 χ^2/NDF: 504.4/16

Left Out: 5.445+/-0.394 χ^2/NDF:493.7/24

Right Out: 14.672+/-0.710 χ^2/NDF: 421.3/20

Left In: 6.461+/-0.408 χ^2/NDF:336.0/22

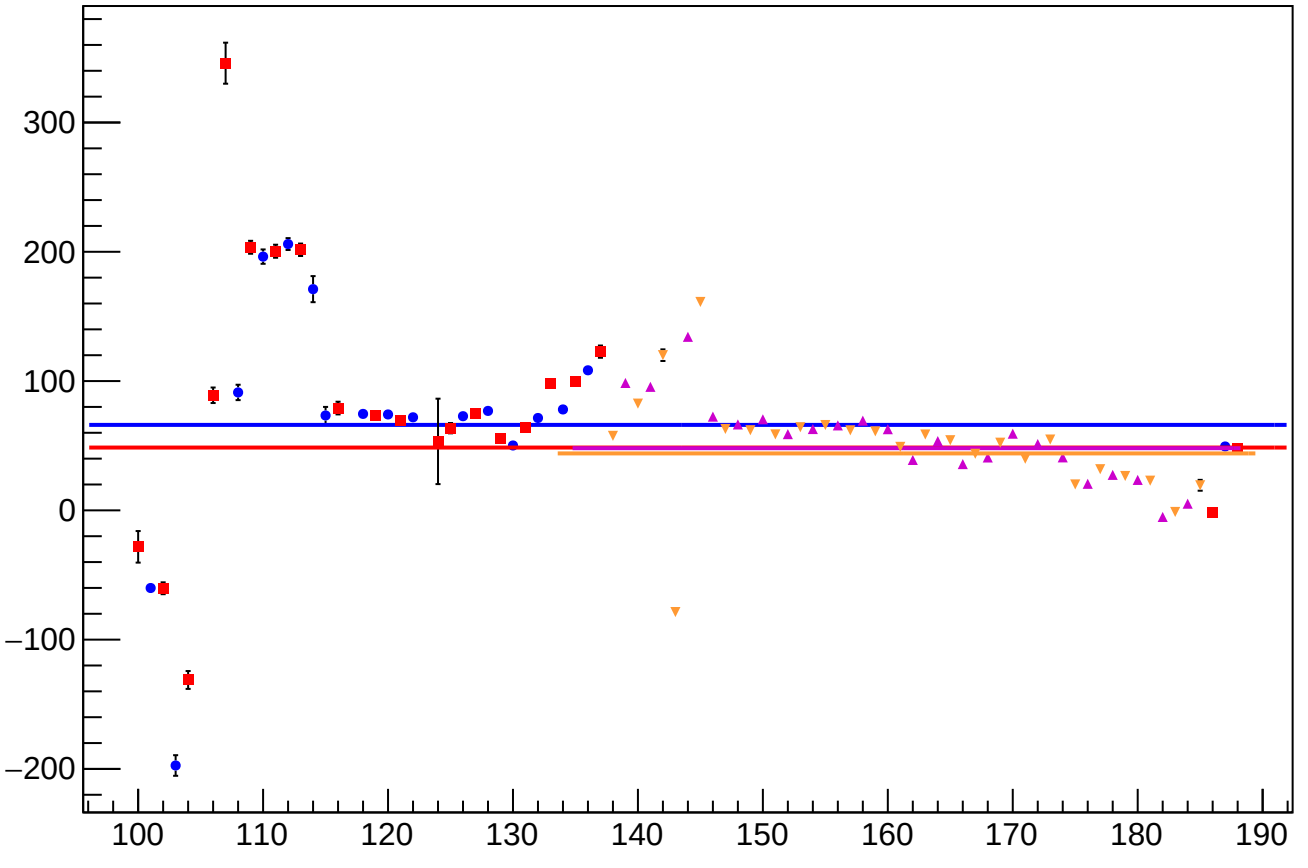
Left: 5.936+/-0.283 χ^2/NDF: 832.9/47

Right: 15.979+/-0.531 χ^2/NDF: 933.3/37

In: 8.776+/-0.363 χ^2/NDF:995.6/39

Out: 7.615+/-0.345 χ^2/NDF:1044.0/45

All: 8.165+/-0.250 χ^2/NDF: 2045.0/85



Right In: 66.104+/-0.811 χ^2/NDF: 4954.6/16

Left Out: 44.040+/-0.510 χ^2/NDF:4563.8/24

Right Out: 48.575+/-0.596 χ^2/NDF: 7318.4/20

Left In: 48.076+/-0.521 χ^2/NDF:3376.5/22

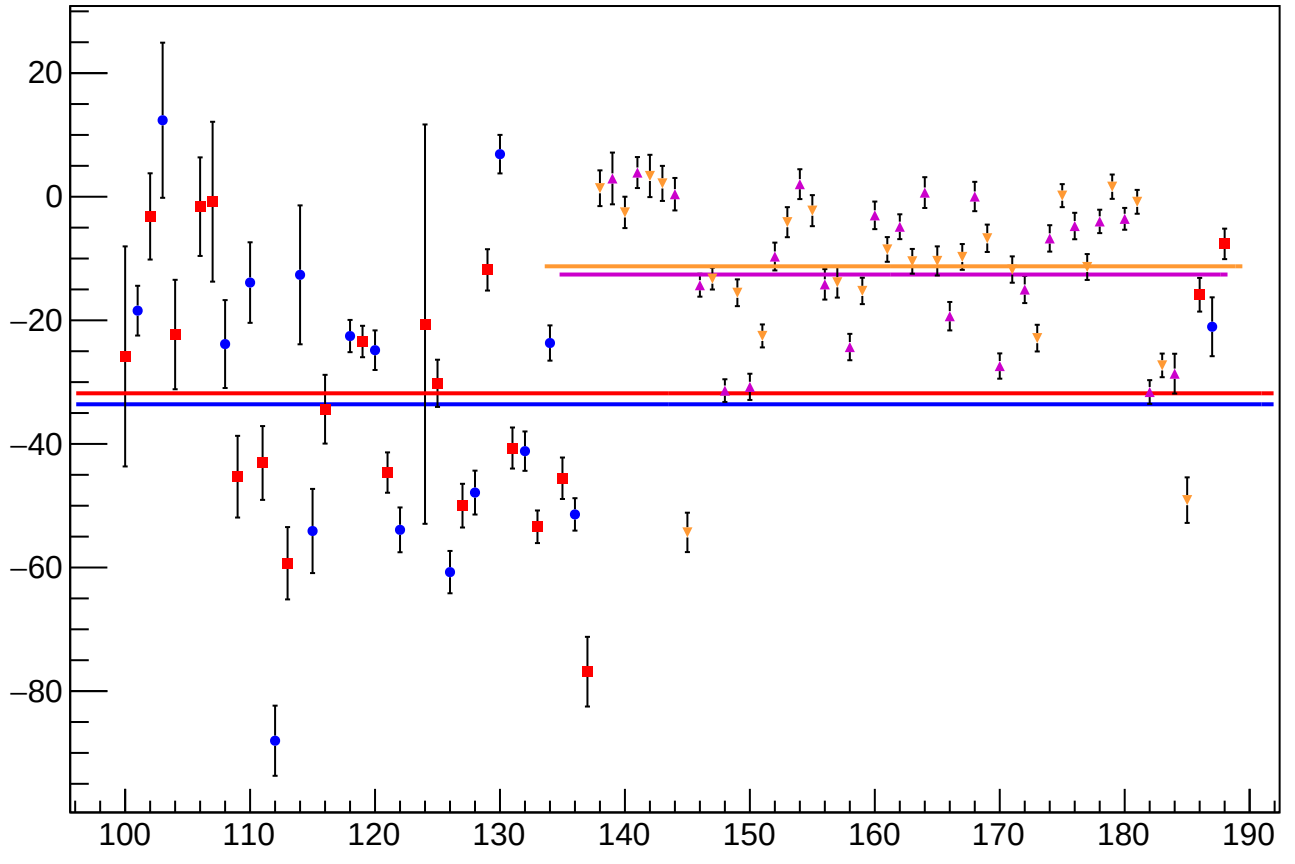
Left: 46.014+/-0.364 χ^2/NDF: 7970.9/47

Right: 54.718+/-0.480 χ^2/NDF: 12576.5/37

In: 53.346+/-0.438 χ^2/NDF:8680.8/39

Out: 45.958+/-0.387 χ^2/NDF:11915.7/45

All: 49.197+/-0.290 χ^2/NDF: 20756.0/85



Right In: -33.586+/-0.924 χ^2/NDF: 518.4/16

Left Out: -11.260+/-0.445 χ^2/NDF:643.3/24

Right Out: -31.809+/-0.873 χ^2/NDF: 442.0/20

Left In: -12.589+/-0.459 χ^2/NDF:671.8/22

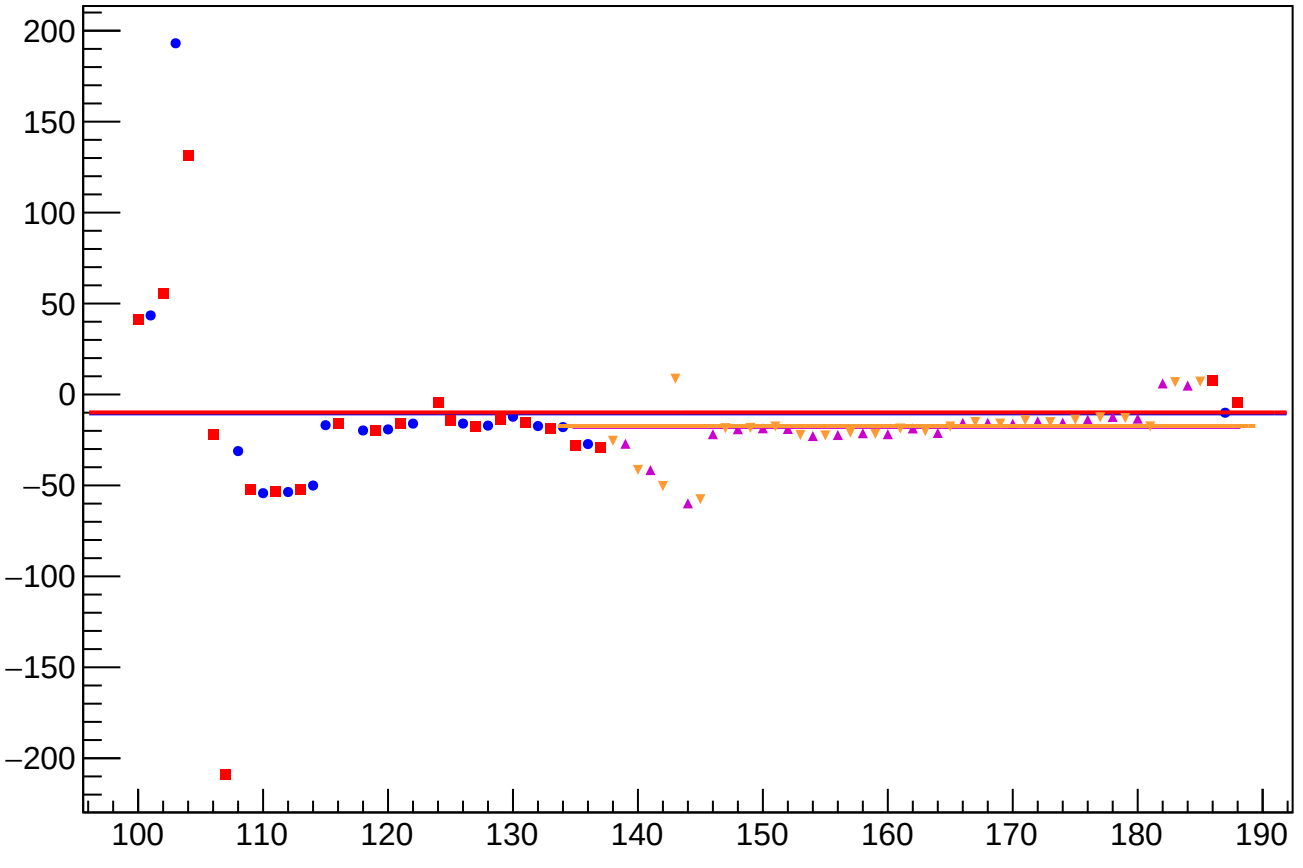
Left: -11.904+/-0.319 χ^2/NDF: 1319.4/47

Right: -32.647+/-0.635 χ^2/NDF: 962.3/37

In: -16.741+/-0.411 χ^2/NDF:1604.3/39

Out: -15.495+/-0.396 χ^2/NDF:1524.9/45

All: -16.095+/-0.285 χ^2/NDF: 3133.9/85



Right In: -10.383+/-0.056 χ^2/NDF: 522336.4/16

Left Out: -17.330+/-0.020 χ^2/NDF:347790.9/24

Right Out: -9.869+/-0.054 χ^2/NDF: 462506.5/20

Left In: -17.829+/-0.020 χ^2/NDF:267426.0/22

Left: -17.576+/-0.014 χ^2/NDF: 615524.8/47

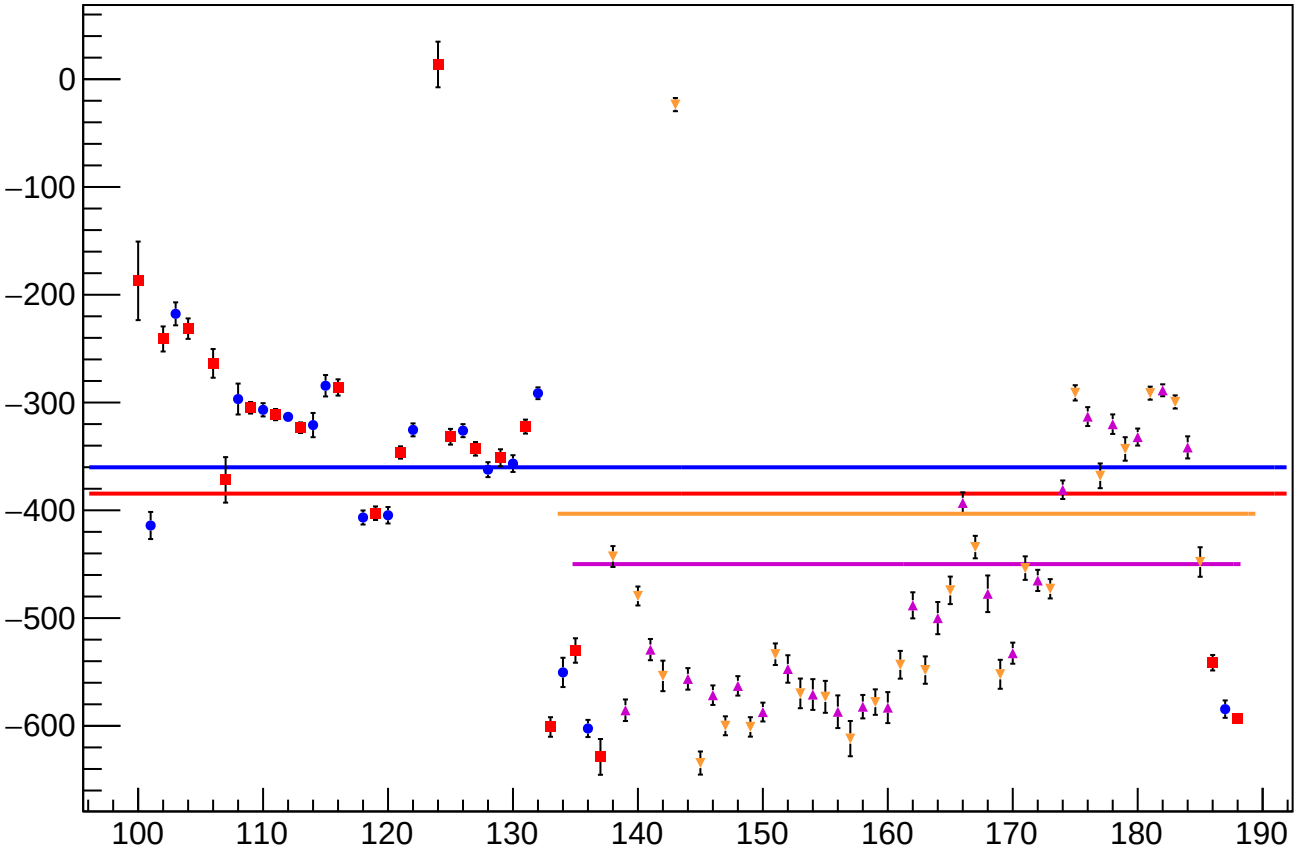
Right: -10.118+/-0.039 χ^2/NDF: 984887.1/37

In: -16.953+/-0.019 χ^2/NDF:805619.5/39

Out: -16.428+/-0.019 χ^2/NDF:827184.3/45

All: -16.685+/-0.013 χ^2/NDF: 1633190.0/85

reg_asym_atl2_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -360.080+/-1.780 χ^2/NDF: 2672.6/16

Left Out: -403.195+/-1.928 χ^2/NDF:7750.3/24

Right Out: -384.501+/-1.588 χ^2/NDF: 5663.9/20

Left In: -449.912+/-2.043 χ^2/NDF:3218.9/22

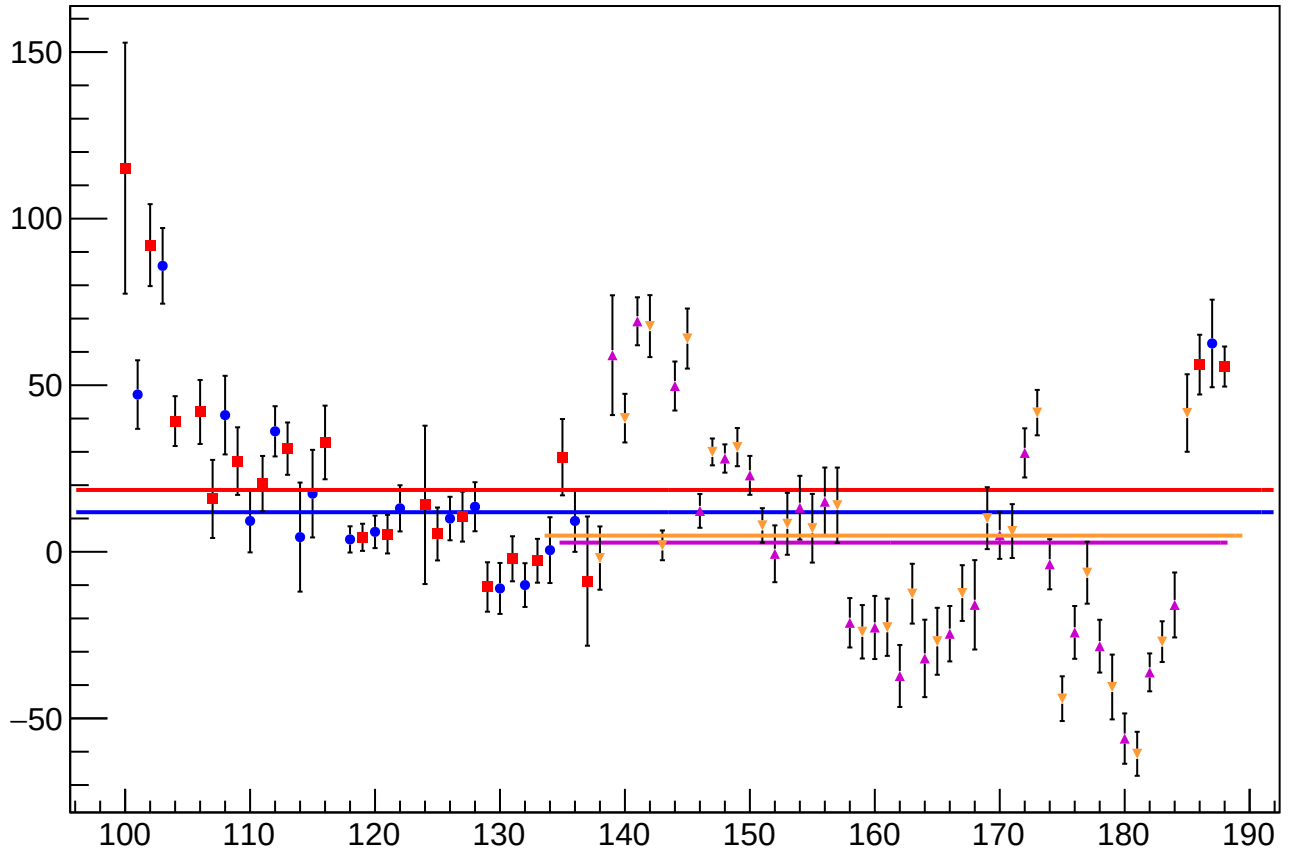
Left: -425.194+/-1.402 χ^2/NDF: 11245.8/47

Right: -373.676+/-1.185 χ^2/NDF: 8441.4/37

In: -398.832+/-1.342 χ^2/NDF:6990.7/39

Out: -392.059+/-1.226 χ^2/NDF:13470.2/45

All: -395.139+/-0.905 χ^2/NDF: 20474.8/85



Right In: 11.885+/-1.825 χ^2/NDF: 113.4/16

Left Out: 4.858+/-1.447 χ^2/NDF:457.2/24

Right Out: 18.563+/-1.738 χ^2/NDF: 175.7/20

Left In: 2.756+/-1.554 χ^2/NDF:399.6/22

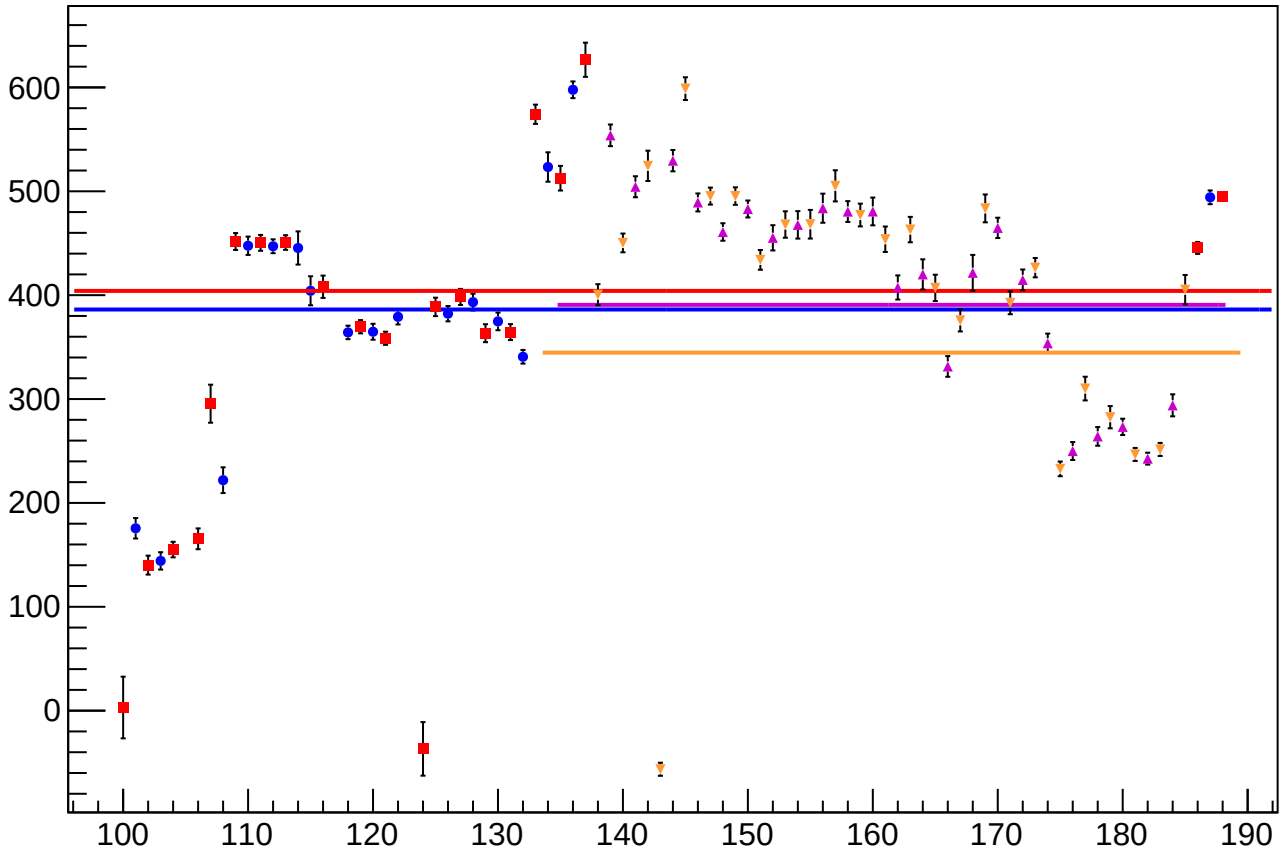
Left: 3.882+/-1.059 χ^2/NDF: 857.8/47

Right: 15.386+/-1.259 χ^2/NDF: 296.1/37

In: 6.594+/-1.183 χ^2/NDF:527.5/39

Out: 10.467+/-1.112 χ^2/NDF:669.6/45

All: 8.651+/-0.810 χ^2/NDF: 1202.8/85



Right In: 386.203+/-2.004 χ^2/NDF: 2742.1/16

Left Out: 344.680+/-1.924 χ^2/NDF:7278.2/24

Right Out: 404.115+/-1.686 χ^2/NDF: 4619.2/20

Left In: 390.672+/-2.029 χ^2/NDF:2672.8/22

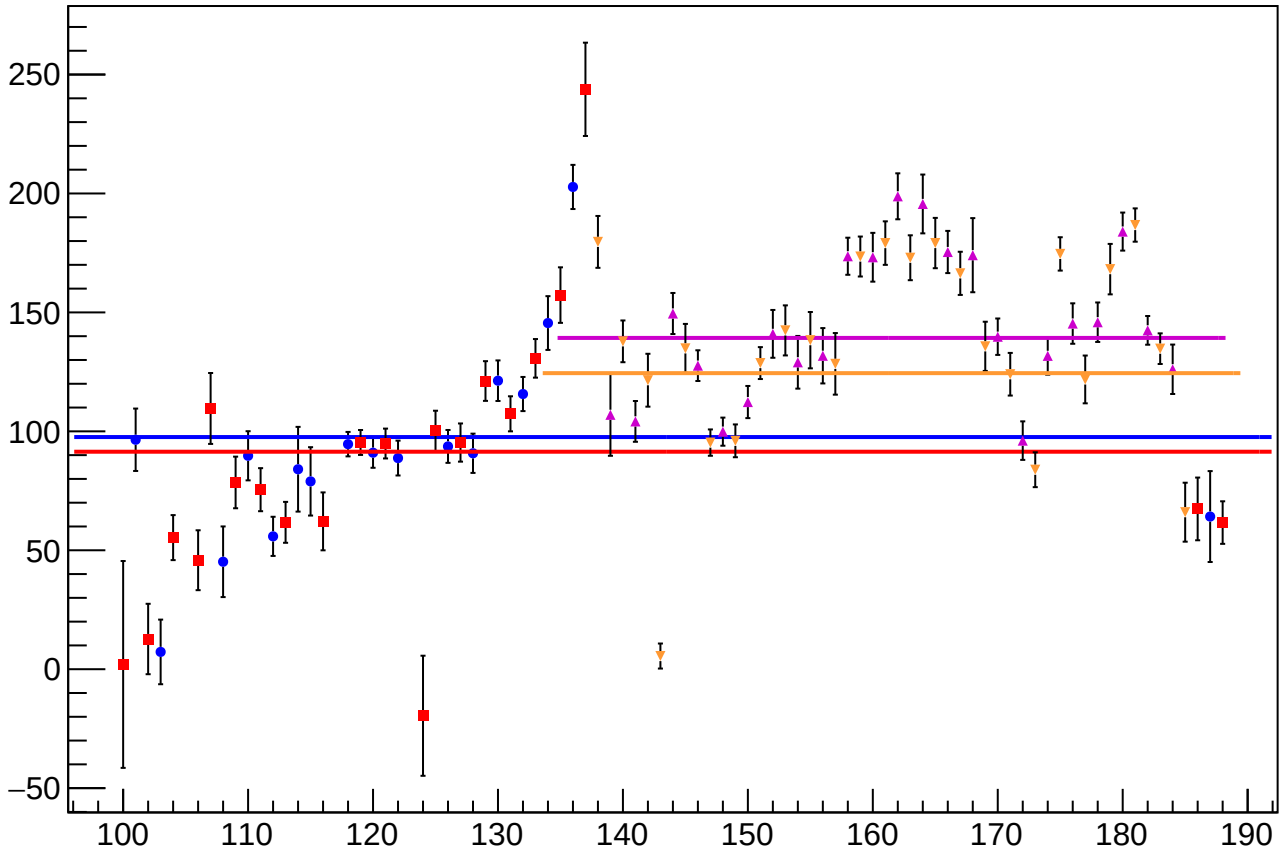
Left: 366.451+/-1.396 χ^2/NDF: 10221.5/47

Right: 396.694+/-1.290 χ^2/NDF: 7408.1/37

In: 388.410+/-1.426 χ^2/NDF:5417.3/39

Out: 378.307+/-1.268 χ^2/NDF:12437.3/45

All: 382.767+/-0.948 χ^2/NDF: 17882.7/85



Right In: 97.600+/-2.131 χ^2/NDF: 252.6/16

Left Out: 124.466+/-1.662 χ^2/NDF:937.6/24

Right Out: 91.435+/-2.054 χ^2/NDF: 252.8/20

Left In: 139.274+/-1.769 χ^2/NDF:260.9/22

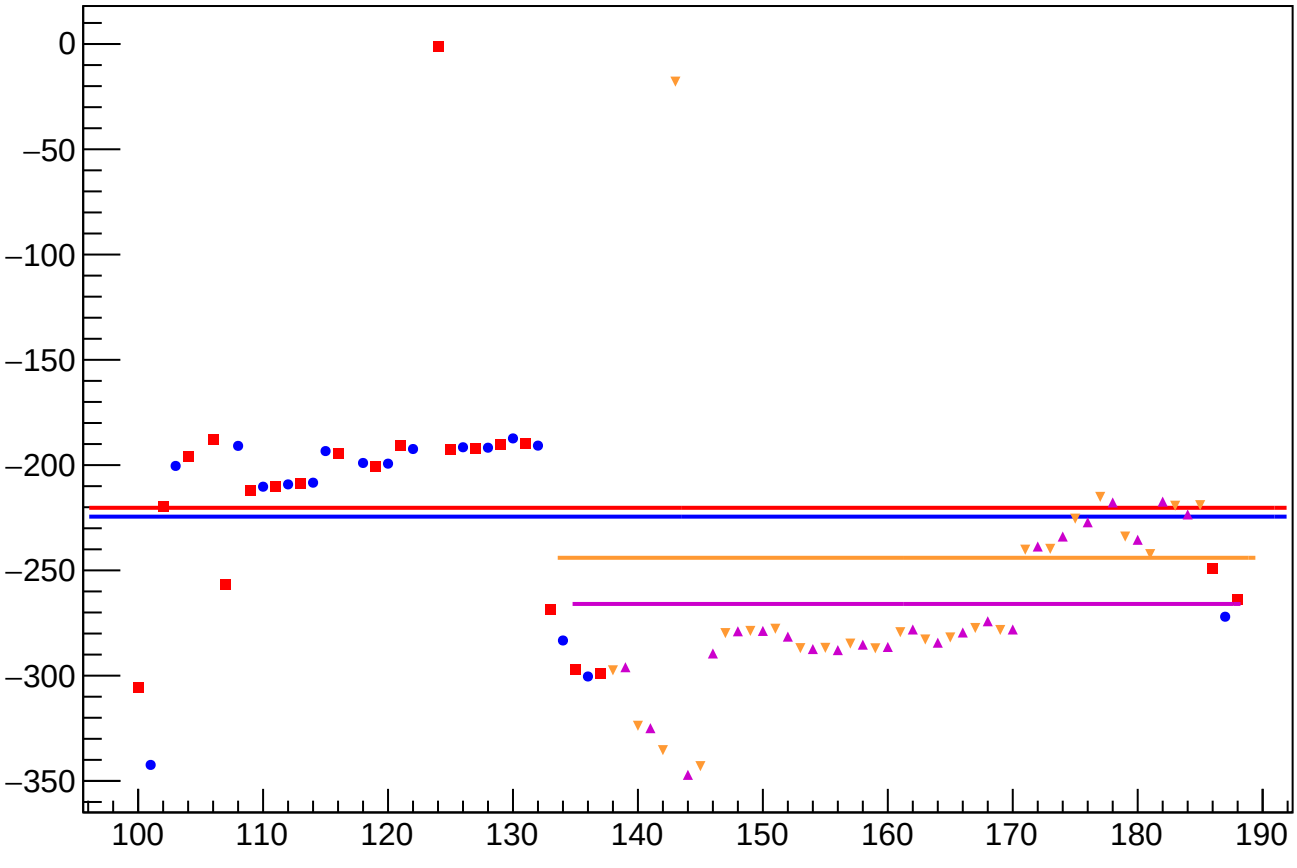
Left: 131.406+/-1.211 χ^2/NDF: 1235.7/47

Right: 94.405+/-1.479 χ^2/NDF: 509.7/37

In: 122.266+/-1.361 χ^2/NDF:739.9/39

Out: 111.402+/-1.292 χ^2/NDF:1346.6/45

All: 116.551+/-0.937 χ^2/NDF: 2120.0/85



Right In: -224.478+/-0.137 χ^2/NDF: 123579.8/16

Left Out: -244.021+/-0.077 χ^2/NDF:997959.6/24

Right Out: -220.279+/-0.127 χ^2/NDF: 93011.3/20

Left In: -265.945+/-0.081 χ^2/NDF:169943.2/22

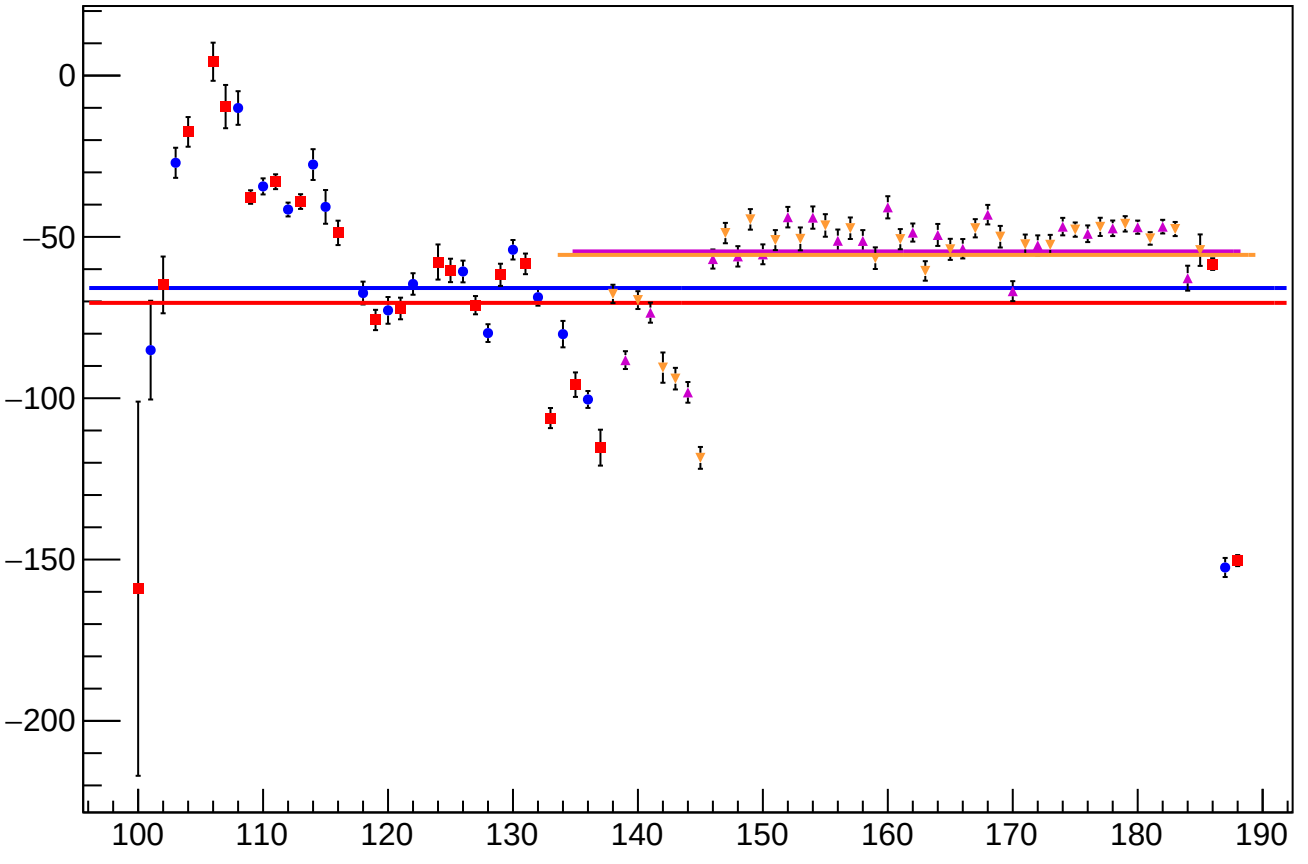
Left: -254.542+/-0.056 χ^2/NDF: 1206480.5/47

Right: -222.226+/-0.093 χ^2/NDF: 217094.0/37

In: -255.316+/-0.069 χ^2/NDF:361536.1/39

Out: -237.636+/-0.066 χ^2/NDF:1116321.1/45

All: -246.045+/-0.048 χ^2/NDF: 1511866.8/85



Right In: -65.843+/-0.798 χ^2/NDF: 1653.0/16

Left Out: -55.575+/-0.590 χ^2/NDF:686.5/24

Right Out: -70.448+/-0.666 χ^2/NDF: 3617.9/20

Left In: -54.499+/-0.606 χ^2/NDF:500.4/22

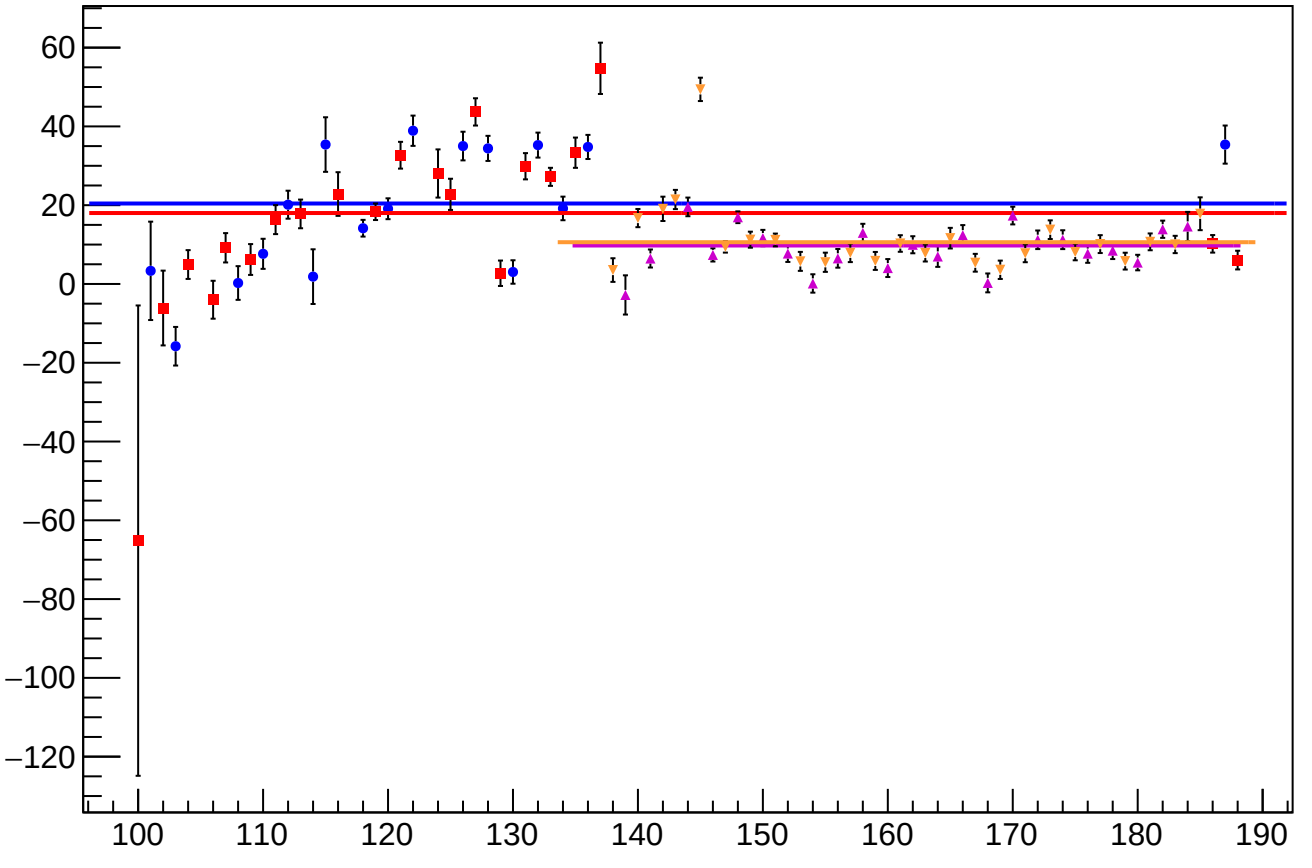
Left: -55.052+/-0.423 χ^2/NDF: 1188.5/47

Right: -68.558+/-0.512 χ^2/NDF: 5290.5/37

In: -58.648+/-0.483 χ^2/NDF:2281.4/39

Out: -62.113+/-0.442 χ^2/NDF:4583.7/45

All: -60.534+/-0.326 χ^2/NDF: 6893.2/85



Right In: 20.426+/-0.854 χ^2/NDF: 257.0/16

Left Out: 10.603+/-0.449 χ^2/NDF:255.2/24

Right Out: 18.010+/-0.749 χ^2/NDF: 272.2/20

Left In: 9.765+/-0.467 χ^2/NDF:121.0/22

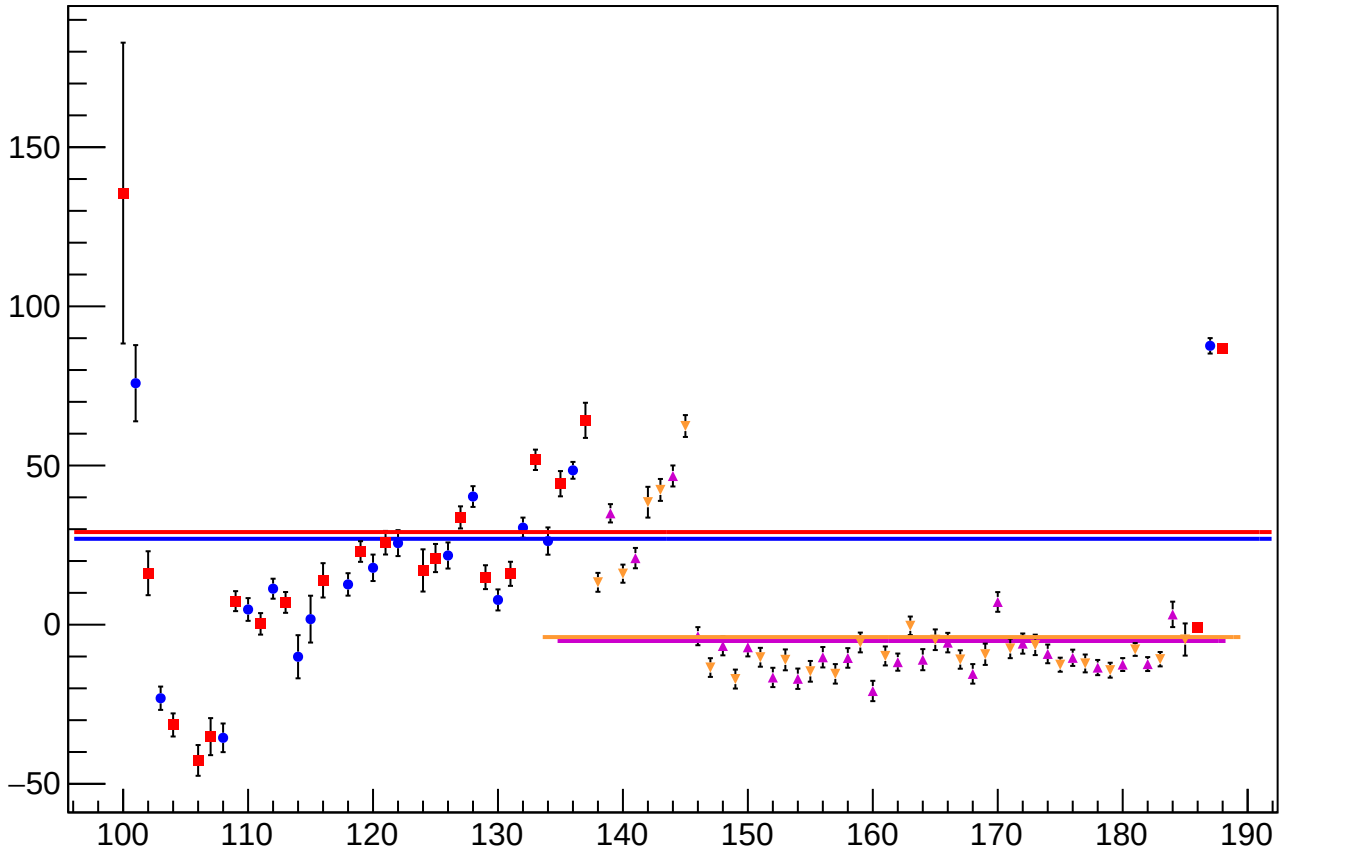
Left: 10.200+/-0.324 χ^2/NDF: 377.8/47

Right: 19.060+/-0.563 χ^2/NDF: 533.7/37

In: 12.220+/-0.410 χ^2/NDF:498.1/39

Out: 12.564+/-0.385 χ^2/NDF:599.3/45

All: 12.403+/-0.281 χ^2/NDF: 1097.7/85



Right In: 26.974+/-0.890 χ^2/NDF: 1265.5/16

Left Out: -3.895+/-0.585 χ^2/NDF:850.2/24

Right Out: 29.097+/-0.681 χ^2/NDF: 3129.9/20

Left In: -5.124+/-0.600 χ^2/NDF:649.7/22

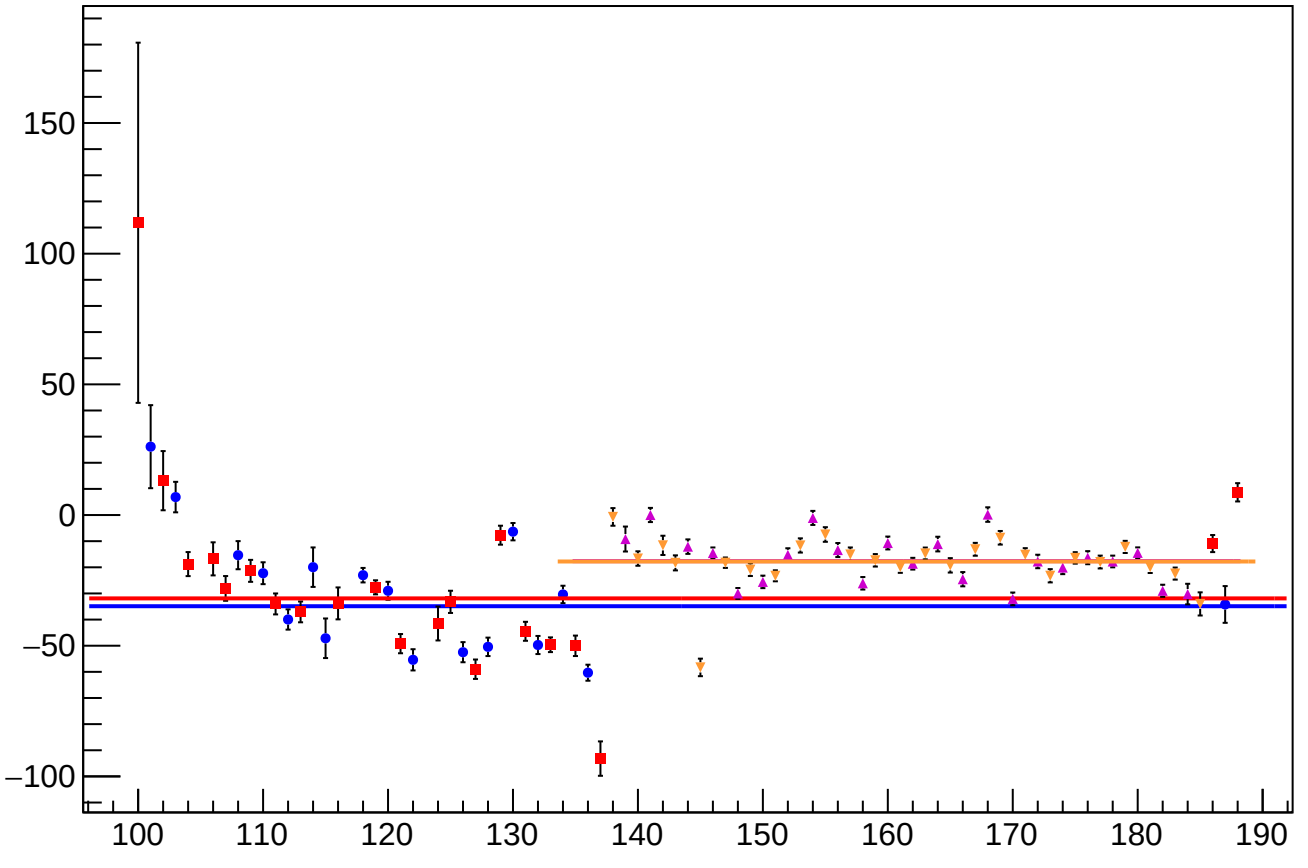
Left: -4.494+/-0.419 χ^2/NDF: 1502.0/47

Right: 28.313+/-0.541 χ^2/NDF: 4399.1/37

In: 4.895+/-0.497 χ^2/NDF:2809.8/39

Out: 10.108+/-0.444 χ^2/NDF:5329.8/45

All: 7.797+/-0.331 χ^2/NDF: 8200.7/85



Right In: -34.886+/-0.981 χ^2/NDF: 346.6/16

Left Out: -17.776+/-0.509 χ^2/NDF:251.6/24

Right Out: -31.894+/-0.898 χ^2/NDF: 503.2/20

Left In: -17.643+/-0.526 χ^2/NDF:285.9/22

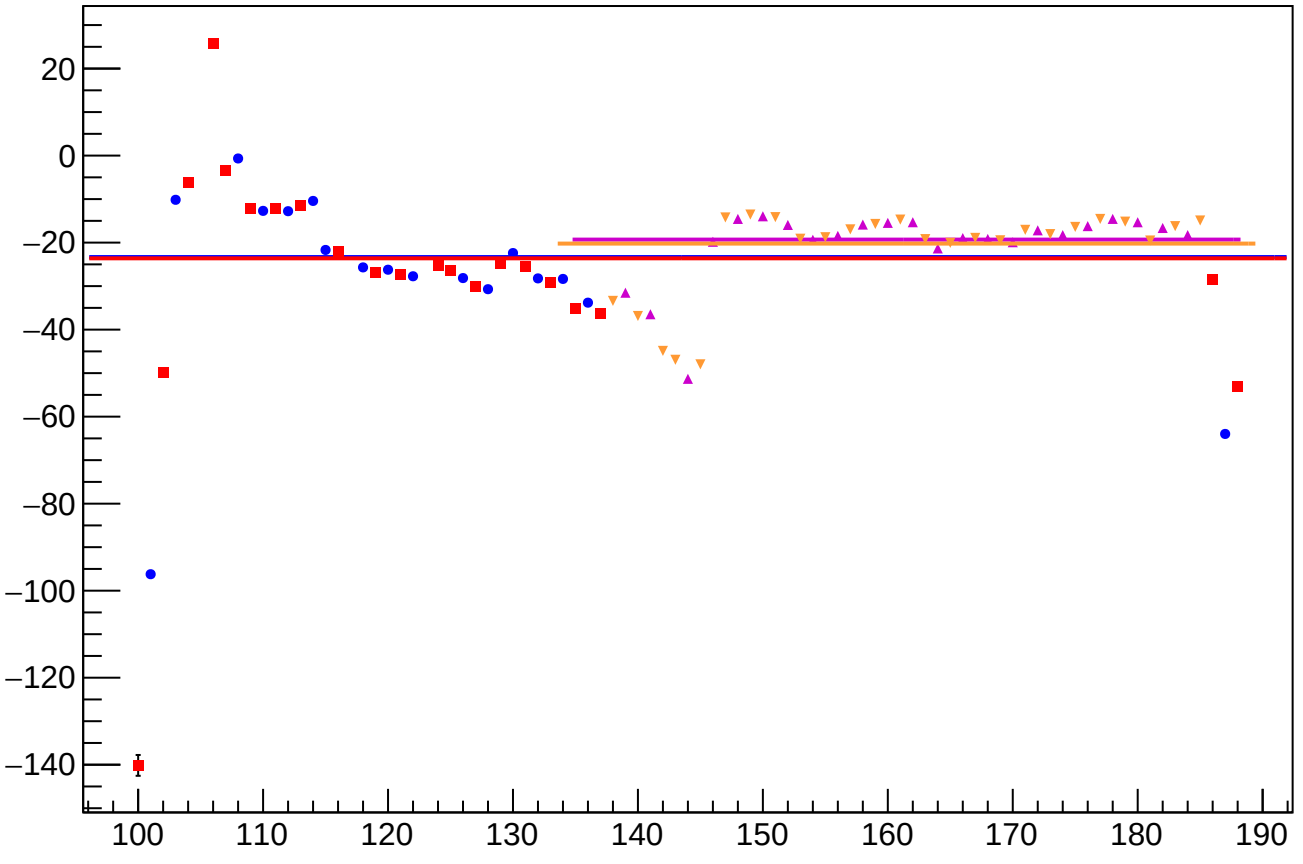
Left: -17.712+/-0.366 χ^2/NDF: 537.5/47

Right: -33.259+/-0.662 χ^2/NDF: 854.9/37

In: -21.495+/-0.464 χ^2/NDF:872.6/39

Out: -21.205+/-0.443 χ^2/NDF:941.8/45

All: -21.343+/-0.320 χ^2/NDF: 1814.7/85



Right In: -23.322+/-0.058 χ^2/NDF: 57882.1/16

Left Out: -20.227+/-0.023 χ^2/NDF:147352.7/24

Right Out: -23.611+/-0.054 χ^2/NDF: 119561.6/20

Left In: -19.310+/-0.023 χ^2/NDF:93090.9/22

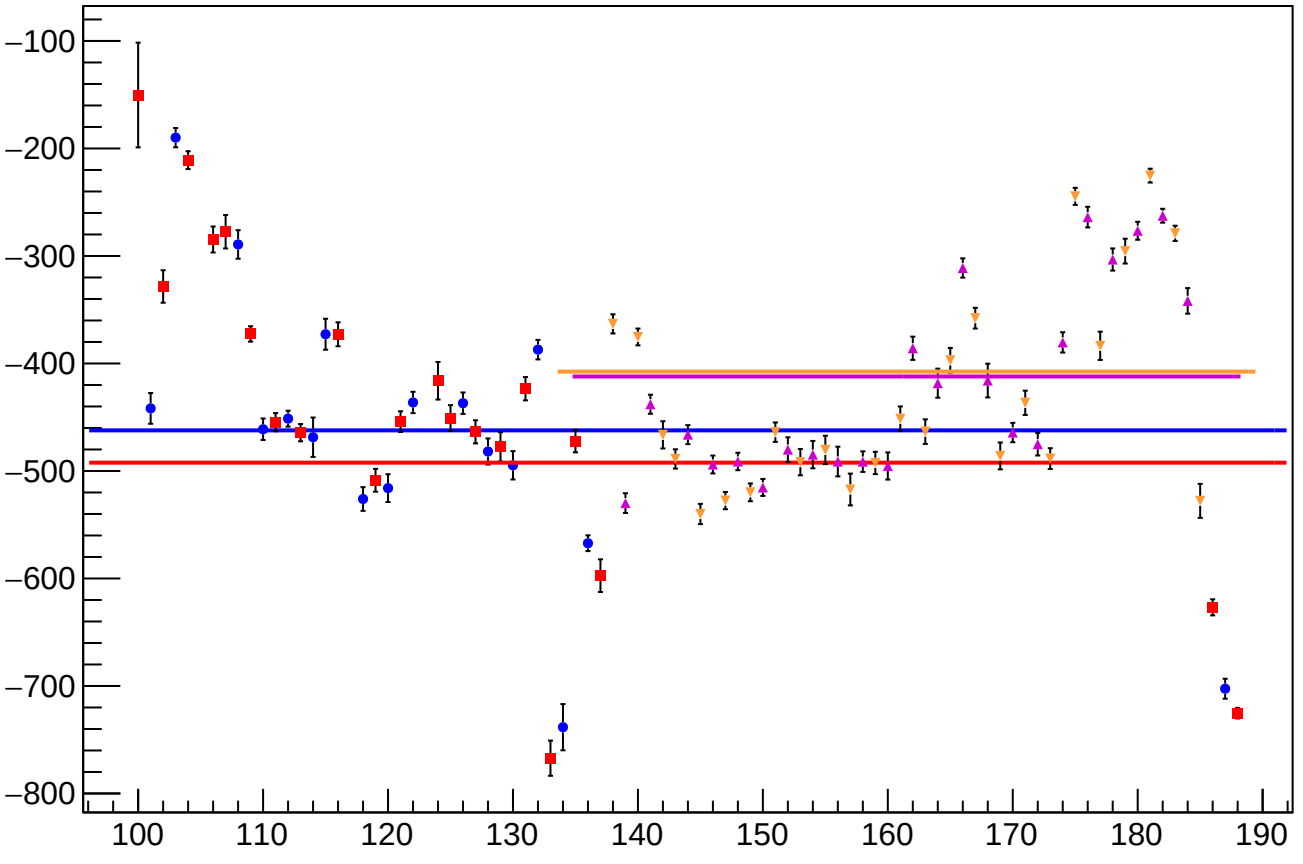
Left: -19.776+/-0.016 χ^2/NDF: 241234.1/47

Right: -23.475+/-0.040 χ^2/NDF: 177457.0/37

In: -19.872+/-0.022 χ^2/NDF:155140.8/39

Out: -20.733+/-0.021 χ^2/NDF:270194.5/45

All: -20.313+/-0.015 χ^2/NDF: 426150.4/85



Right In: -462.225+/-2.576 χ^2/NDF: 2314.8/16

Left Out: -407.554+/-1.951 χ^2/NDF:2872.6/24

Right Out: -492.254+/-2.152 χ^2/NDF: 5208.8/20

Left In: -412.102+/-2.008 χ^2/NDF:2182.3/22

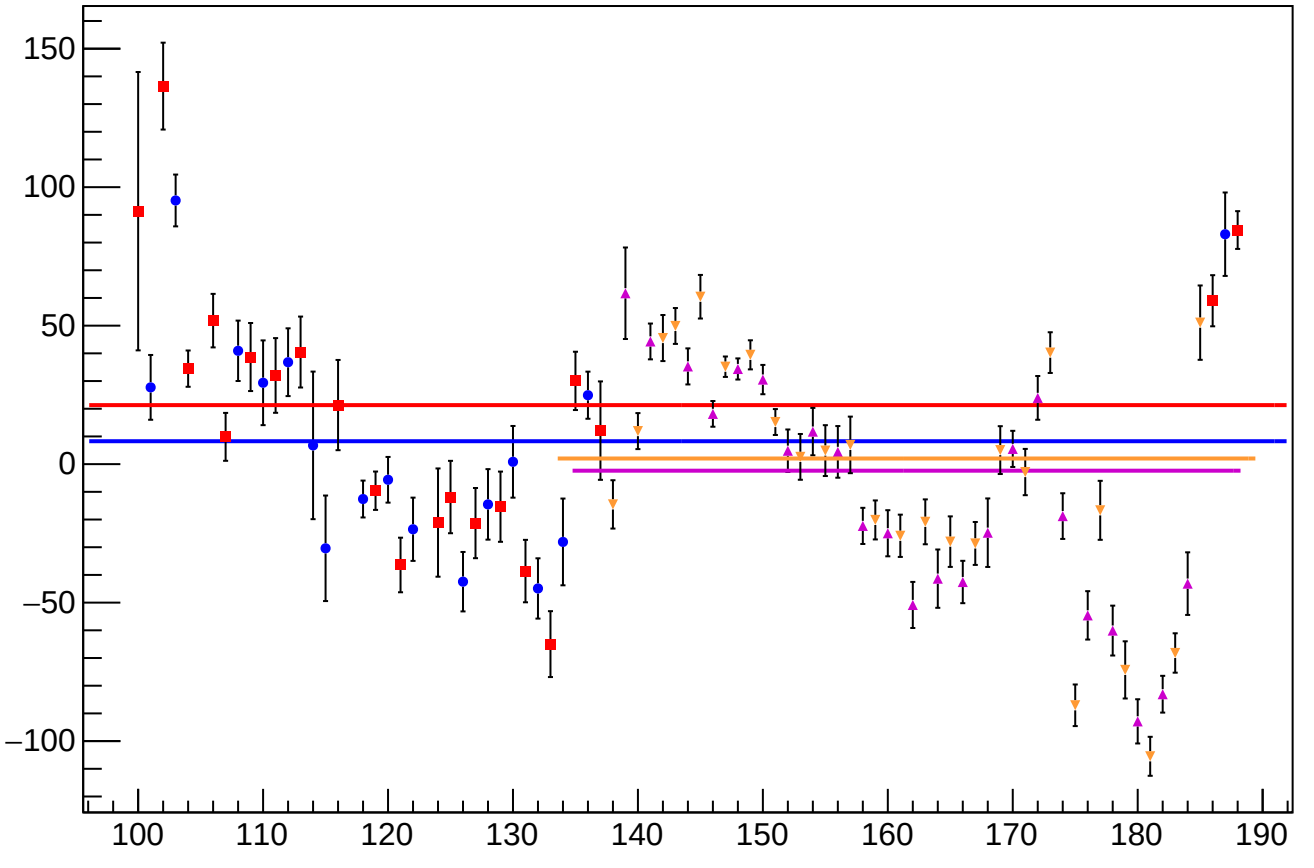
Left: -409.762+/-1.399 χ^2/NDF: 5057.5/47

Right: -479.913+/-1.652 χ^2/NDF: 7603.5/37

In: -431.047+/-1.584 χ^2/NDF:4732.5/39

Out: -445.764+/-1.445 χ^2/NDF:8931.6/45

All: -439.077+/-1.068 χ^2/NDF: 13711.2/85



Right In: 8.276+/-2.684 χ^2/NDF: 213.6/16

Left Out: 2.035+/-1.426 χ^2/NDF:910.7/24

Right Out: 21.309+/-2.317 χ^2/NDF: 346.0/20

Left In: -2.365+/-1.482 χ^2/NDF:733.4/22

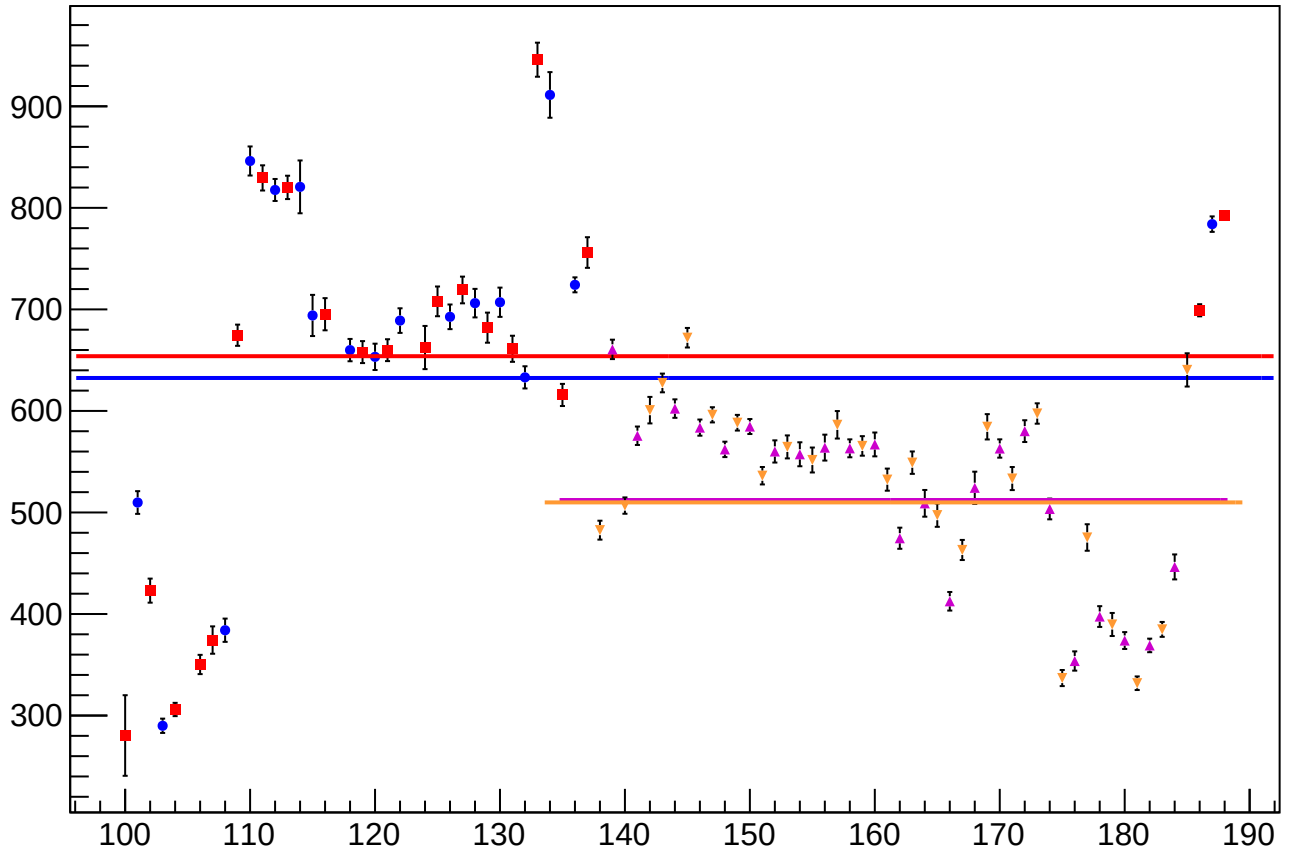
Left: -0.080+/-1.028 χ^2/NDF: 1648.7/47

Right: 15.745+/-1.754 χ^2/NDF: 573.0/37

In: 0.122+/-1.298 χ^2/NDF:959.0/39

Out: 7.330+/-1.214 χ^2/NDF:1306.9/45

All: 3.964+/-0.887 χ^2/NDF: 2282.3/85



Right In: 632.454+/-2.704 χ^2/NDF: 4343.9/16

Left Out: 509.912+/-1.936 χ^2/NDF:2662.6/24

Right Out: 653.905+/-2.116 χ^2/NDF: 6860.1/20

Left In: 512.270+/-1.984 χ^2/NDF:2087.6/22

Left: 511.062+/-1.385 χ^2/NDF: 4751.0/47

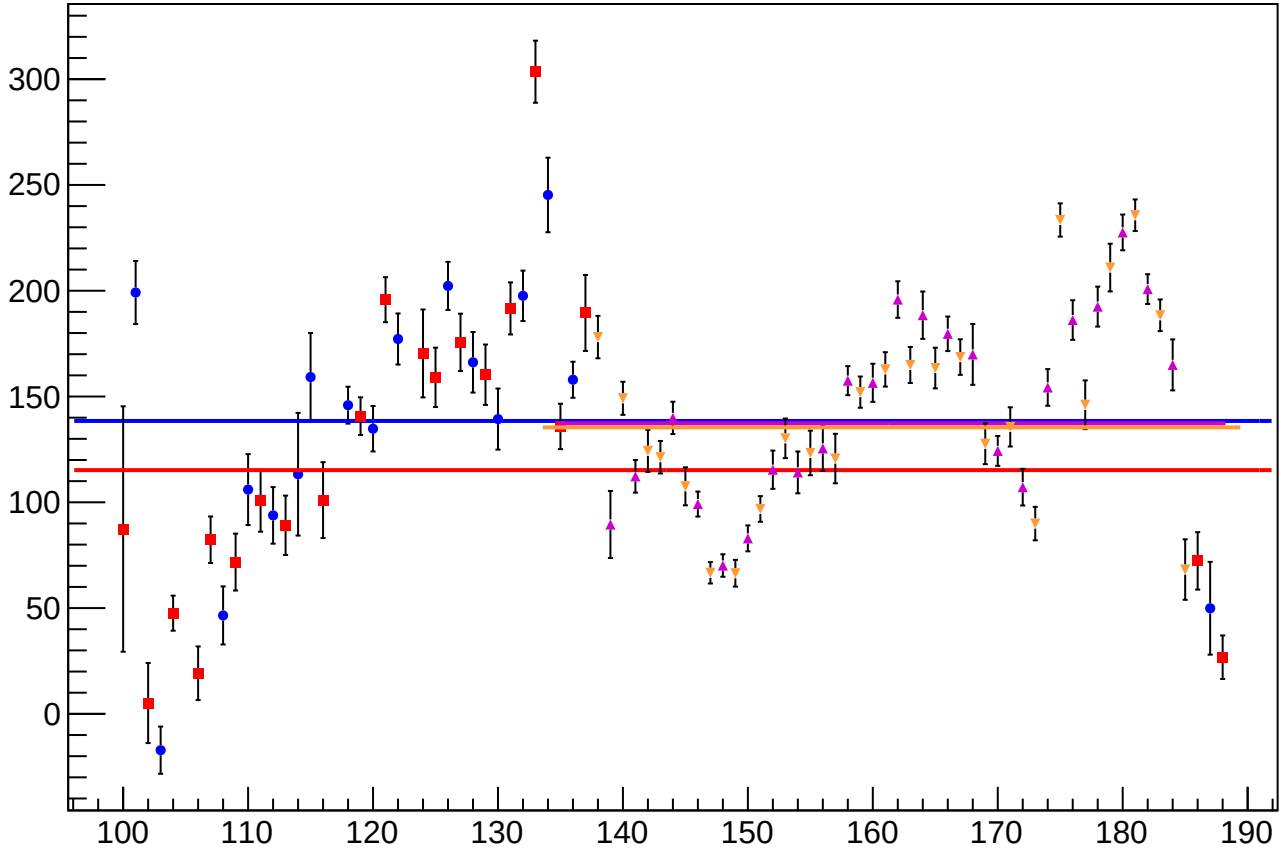
Right: 645.761+/-1.666 χ^2/NDF: 11243.0/37

In: 554.317+/-1.600 χ^2/NDF:7715.6/39

Out: 575.522+/-1.428 χ^2/NDF:12044.2/45

All: 566.117+/-1.065 χ^2/NDF: 19857.6/85

reg_asym_atr2_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 138.450+/-3.119 χ^2/NDF: 402.0/16

Left Out: 135.407+/-1.649 χ^2/NDF:923.2/24

Right Out: 115.210+/-2.799 χ^2/NDF: 602.6/20

Left In: 137.374+/-1.702 χ^2/NDF:706.0/22

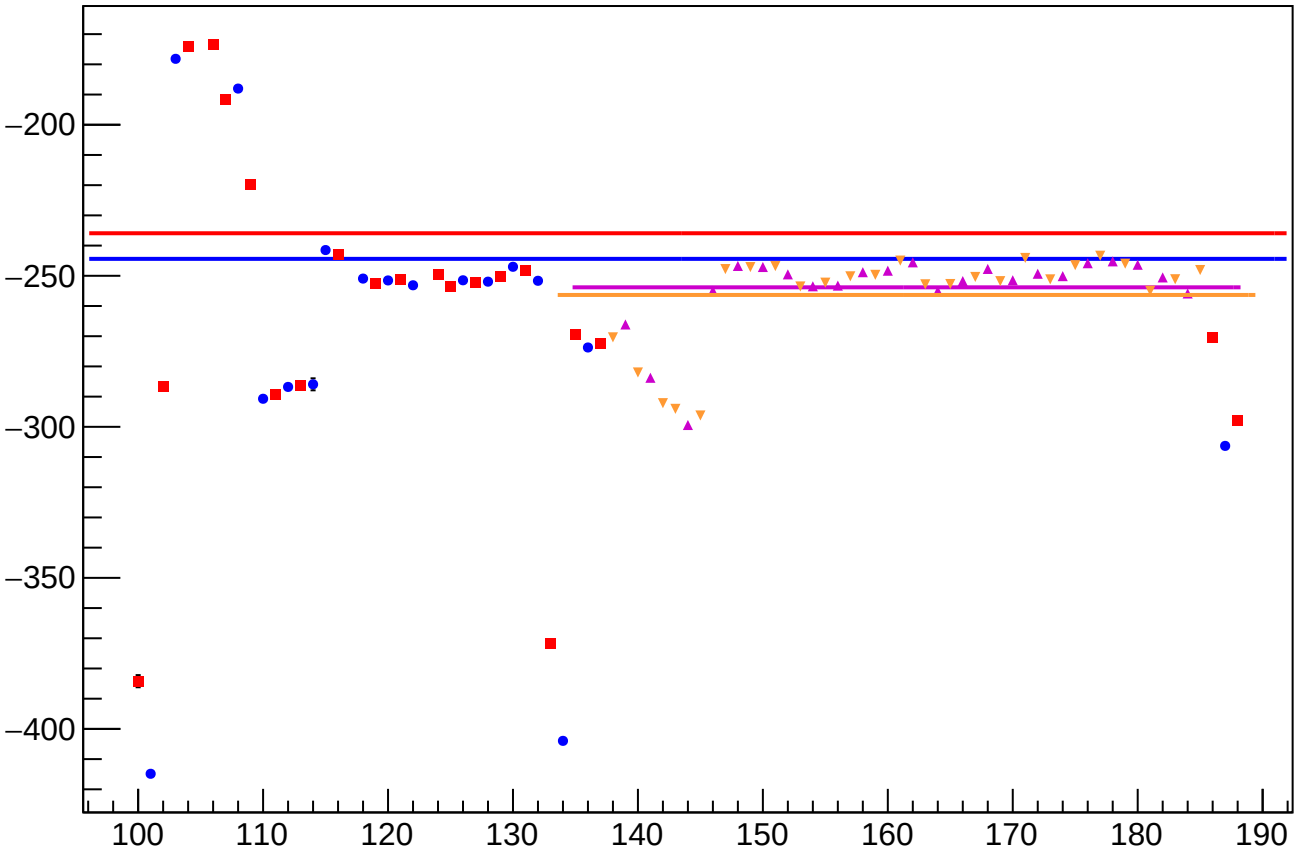
Left: 136.359+/-1.184 χ^2/NDF: 1629.8/47

Right: 125.578+/-2.083 χ^2/NDF: 1035.4/37

In: 137.621+/-1.494 χ^2/NDF:1108.1/39

Out: 130.205+/-1.421 χ^2/NDF:1564.4/45

All: 133.726+/-1.030 χ^2/NDF: 2685.4/85



Right In: -244.395+/-0.161 χ^2/NDF: 176080.4/16

Left Out: -256.344+/-0.077 χ^2/NDF:39513.4/24

Right Out: -235.917+/-0.150 χ^2/NDF: 117386.9/20

Left In: -253.817+/-0.078 χ^2/NDF:24076.7/22

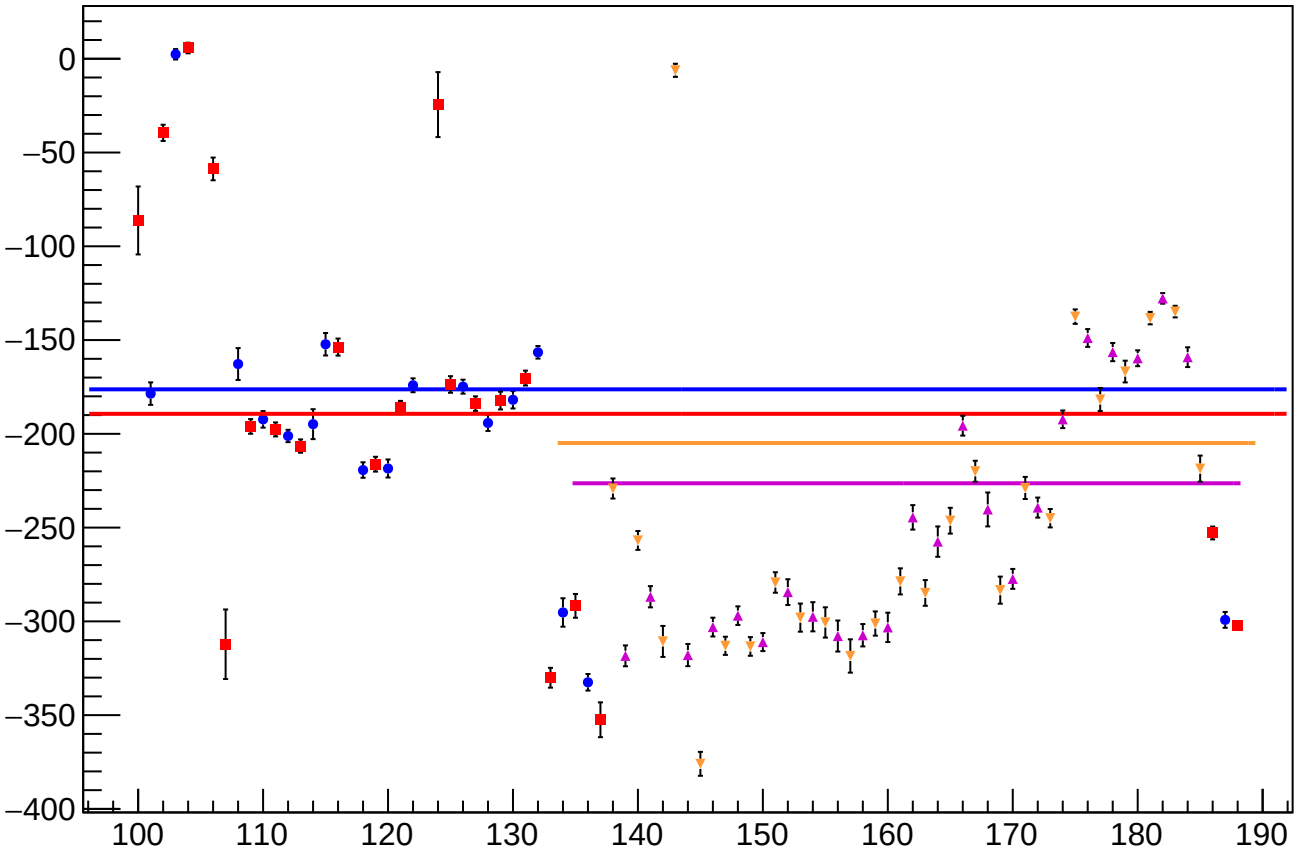
Left: -255.094+/-0.055 χ^2/NDF: 64122.7/47

Right: -239.845+/-0.110 χ^2/NDF: 294953.3/37

In: -252.034+/-0.070 χ^2/NDF:202930.5/39

Out: -252.070+/-0.068 χ^2/NDF:171623.7/45

All: -252.053+/-0.049 χ^2/NDF: 374554.3/85



Right In: -176.274+/-1.042 χ^2/NDF: 6810.7/16

Left Out: -204.891+/-1.052 χ^2/NDF:7826.3/24

Right Out: -189.330+/-0.913 χ^2/NDF: 10828.8/20

Left In: -226.365+/-1.105 χ^2/NDF:4219.0/22

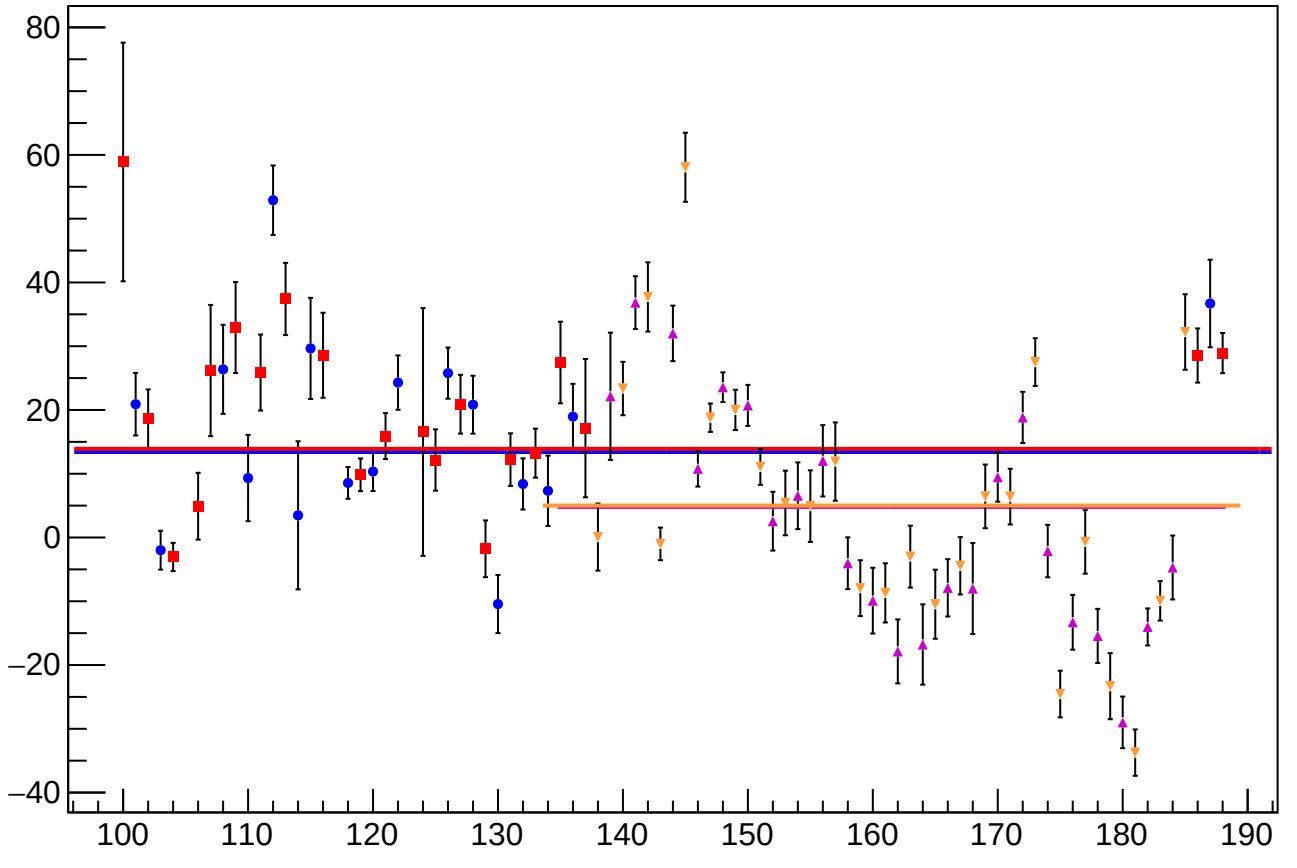
Left: -215.101+/-0.762 χ^2/NDF: 12243.4/47

Right: -183.665+/-0.687 χ^2/NDF: 17728.3/37

In: -199.863+/-0.758 χ^2/NDF:12117.0/39

Out: -196.013+/-0.689 χ^2/NDF:18780.0/45

All: -197.755+/-0.510 χ^2/NDF: 30911.0/85



Right In: 13.414+/-1.063 χ^2/NDF: 155.5/16

Left Out: 5.006+/-0.793 χ^2/NDF:548.5/24

Right Out: 13.903+/-0.958 χ^2/NDF: 159.9/20

Left In: 4.799+/-0.846 χ^2/NDF:426.3/22

Left: 4.909+/-0.579 χ^2/NDF: 974.8/47

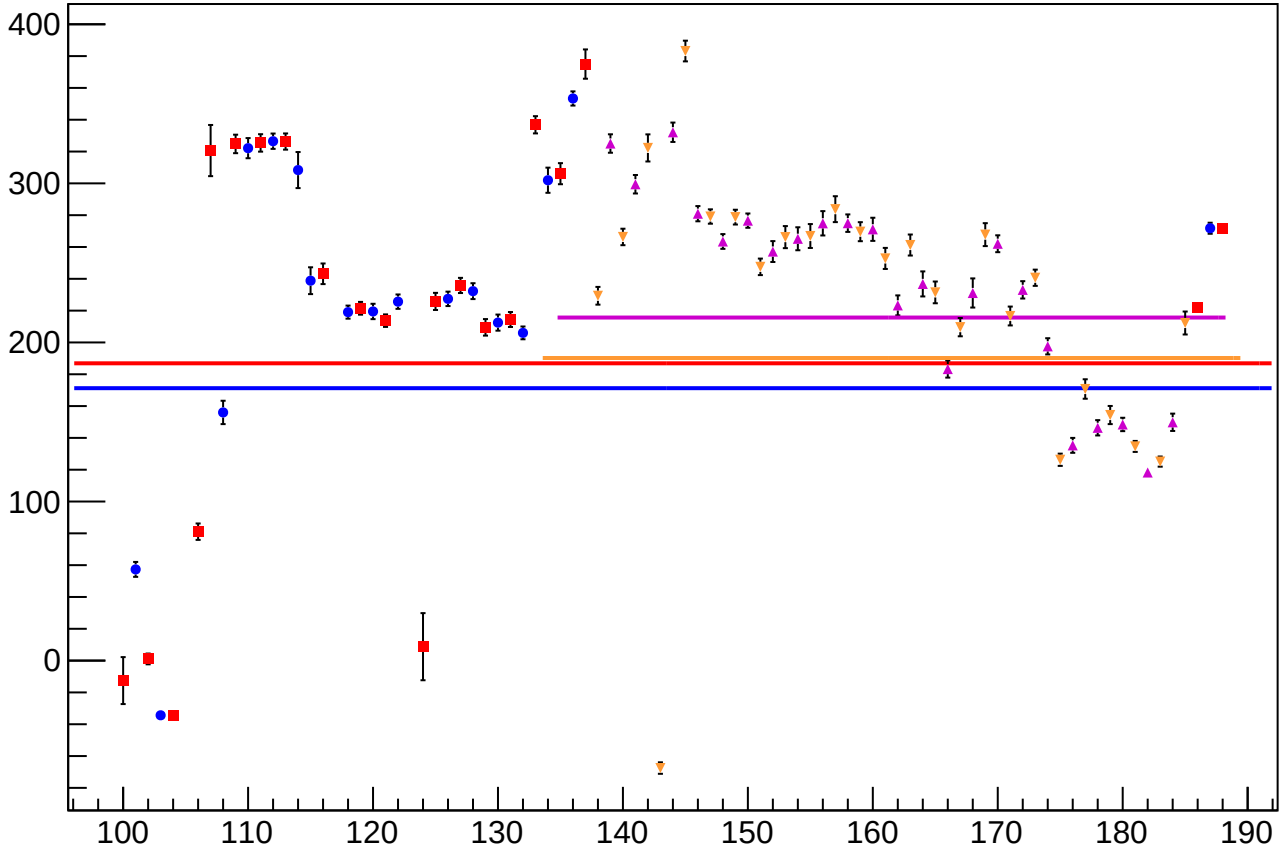
Right: 13.684+/-0.712 χ^2/NDF: 315.5/37

In: 8.140+/-0.662 χ^2/NDF:621.9/39

Out: 8.623+/-0.611 χ^2/NDF:759.5/45

All: 8.401+/-0.449 χ^2/NDF: 1381.8/85

reg_asym_atl_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 171.250+/-1.082 χ^2/NDF: 14880.8/16

Left Out: 190.219+/-1.050 χ^2/NDF:9384.0/24

Right Out: 186.884+/-0.894 χ^2/NDF: 19694.1/20

Left In: 215.649+/-1.098 χ^2/NDF:3886.0/22

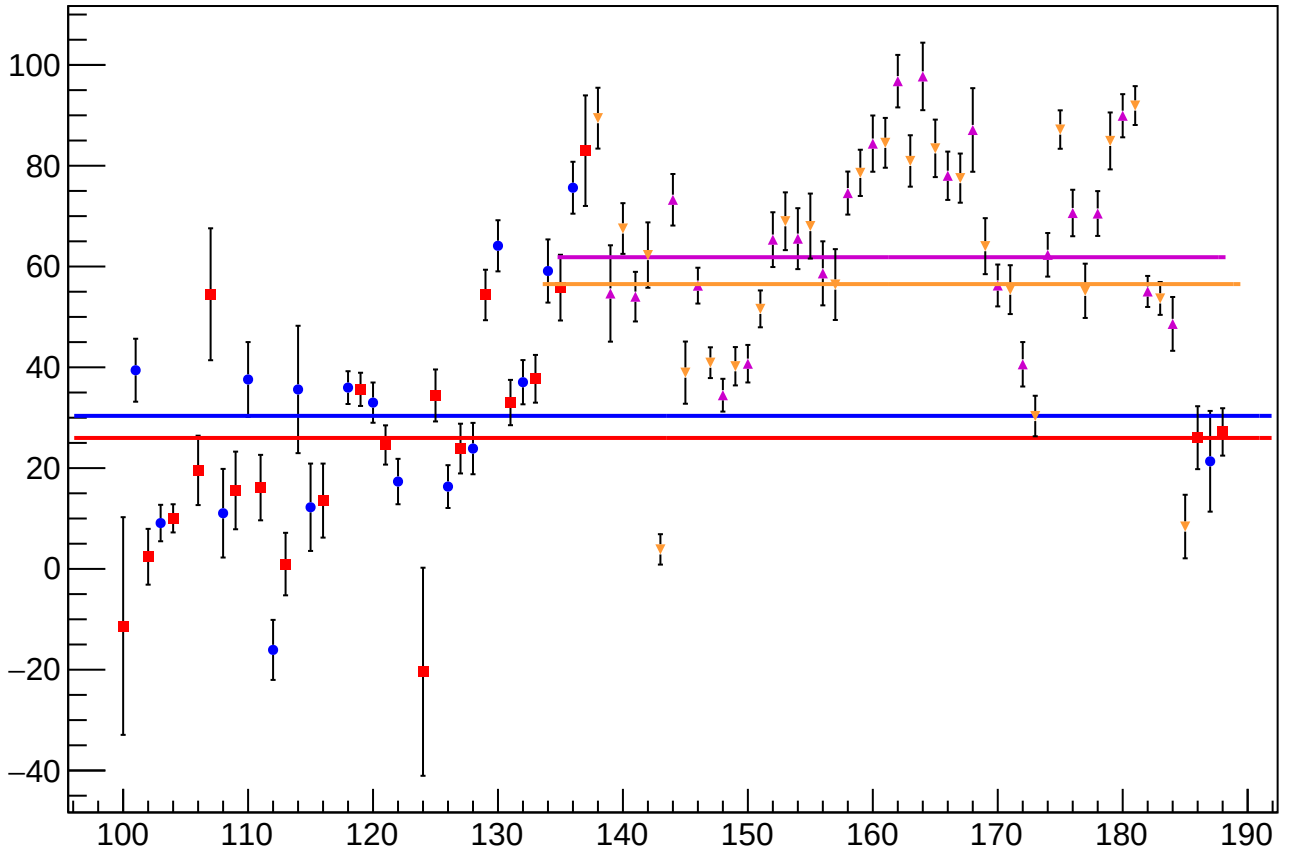
Left: 202.363+/-0.759 χ^2/NDF: 13550.1/47

Right: 180.541+/-0.689 χ^2/NDF: 34698.9/37

In: 193.121+/-0.771 χ^2/NDF:19596.0/39

Out: 188.286+/-0.681 χ^2/NDF:29083.9/45

All: 190.404+/-0.510 χ^2/NDF: 48702.0/85



Right In: 30.368+/-1.245 χ^2/NDF: 277.8/16

Left Out: 56.514+/-0.909 χ^2/NDF:798.9/24

Right Out: 25.985+/-1.154 χ^2/NDF: 187.8/20

Left In: 61.850+/-0.961 χ^2/NDF:320.7/22

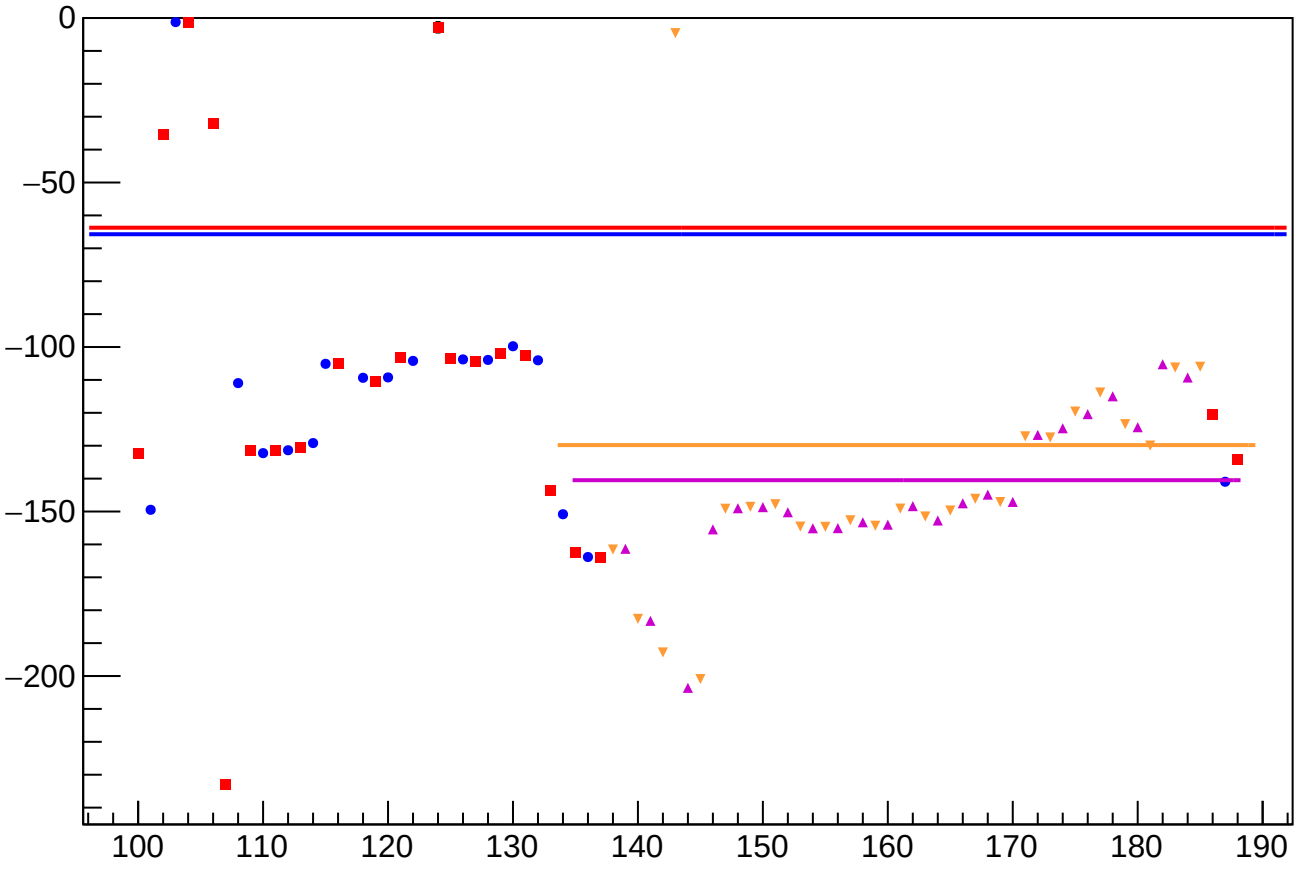
Left: 59.032+/-0.661 χ^2/NDF: 1135.8/47

Right: 28.011+/-0.846 χ^2/NDF: 472.3/37

In: 50.086+/-0.761 χ^2/NDF:999.1/39

Out: 44.829+/-0.714 χ^2/NDF:1418.4/45

All: 47.291+/-0.521 χ^2/NDF: 2443.0/85



Right In: -65.720+/-0.063 χ^2/NDF: 1063050.1/16

Left Out: -129.810+/-0.042 χ^2/NDF:1025155.0/24

Right Out: -63.730+/-0.060 χ^2/NDF: 988024.5/20

Left In: -140.477+/-0.044 χ^2/NDF:254660.0/22

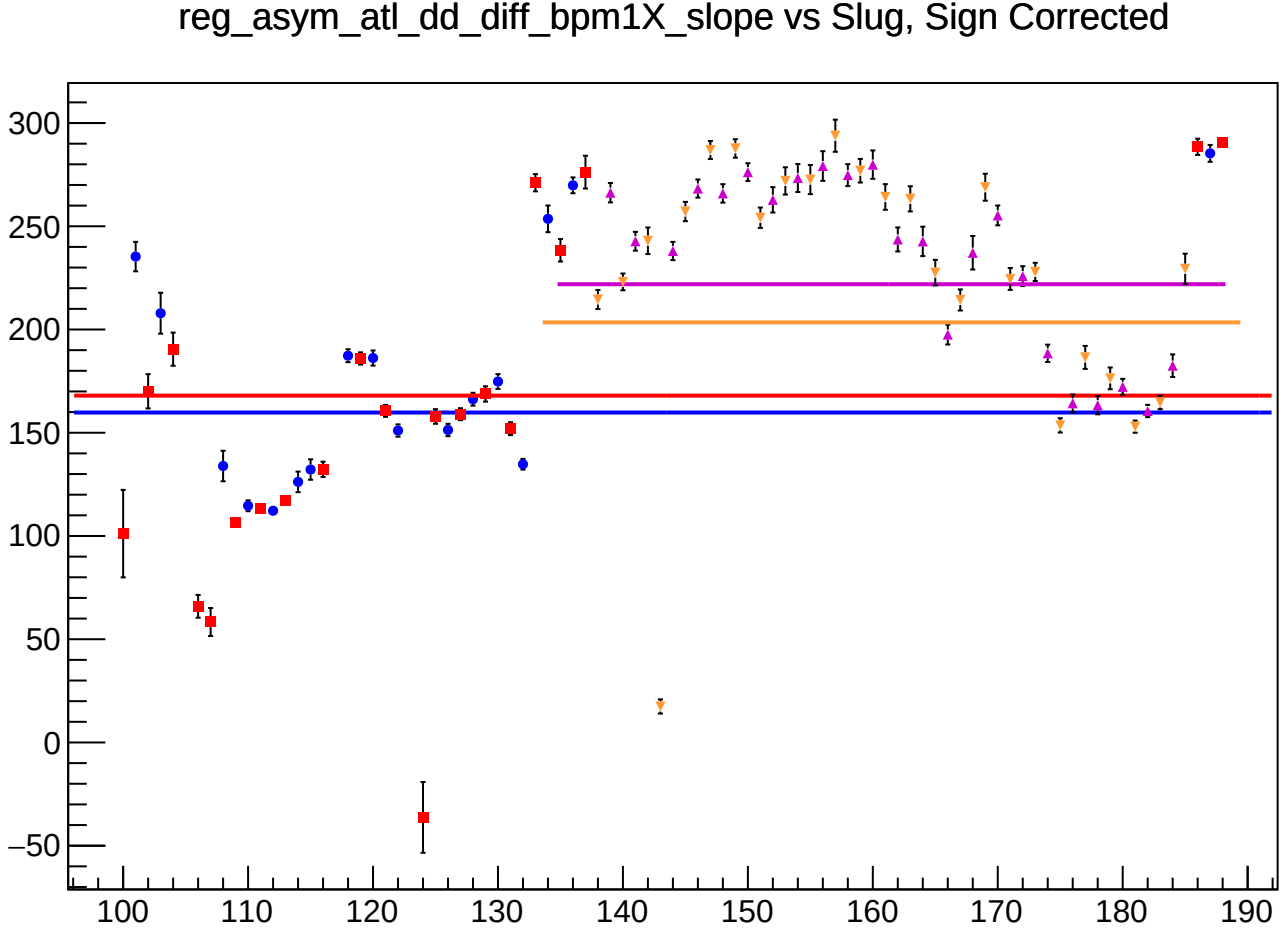
Left: -134.957+/-0.030 χ^2/NDF: 1310696.7/47

Right: -64.664+/-0.043 χ^2/NDF: 2051597.7/37

In: -116.410+/-0.036 χ^2/NDF:2261228.4/39

Out: -107.772+/-0.034 χ^2/NDF:2832303.1/45

All: -111.903+/-0.025 χ^2/NDF: 5123645.1/85


reg_asym_atl_dd_diff_bpm1X_slope vs Slug, Sign Corrected
300
250
200
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50
0
−50
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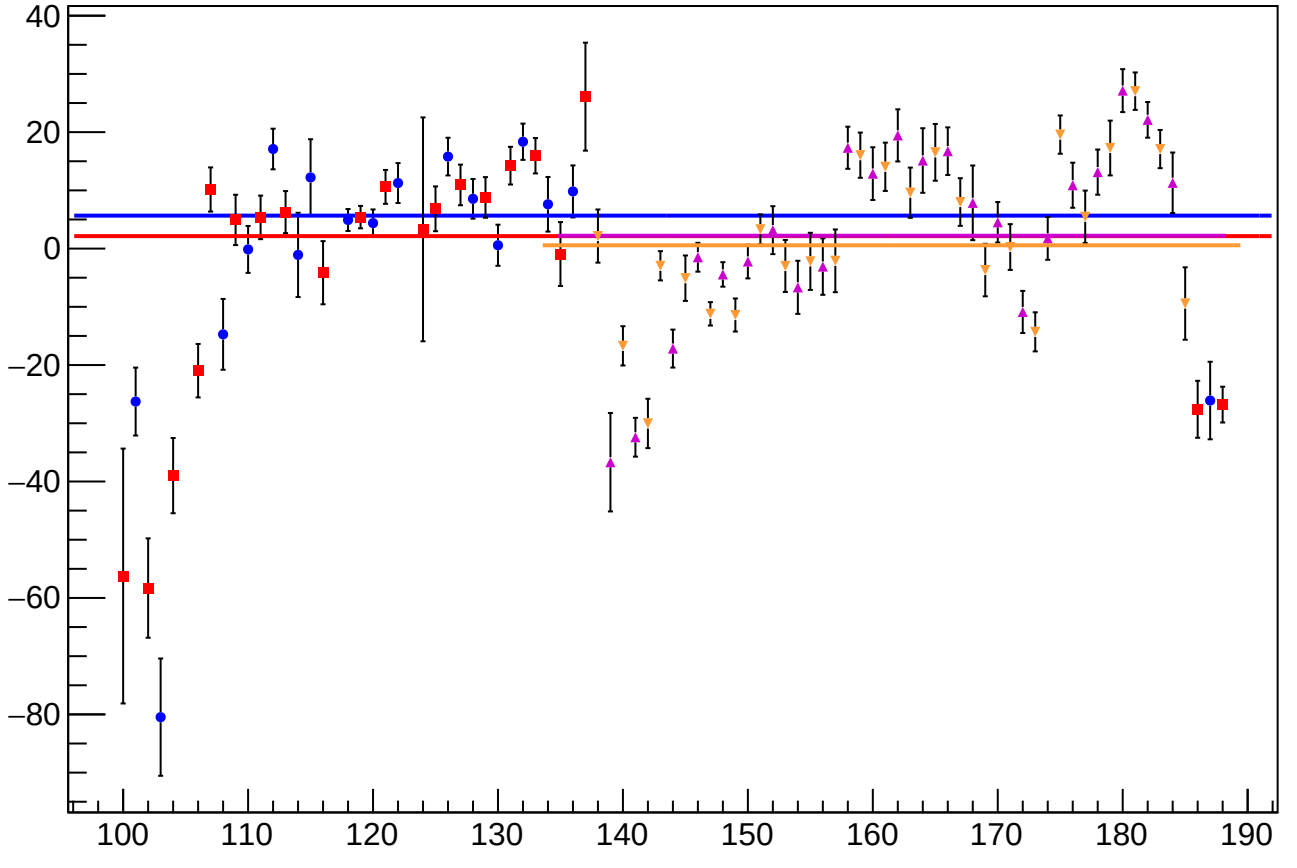
110
120
130
140
150
160
170
180
190
Right In: 159.794+/-0.850 χ²/NDF: 3270.9/16
Left Out: 203.453+/-0.953 χ²/NDF:5491.5/24
Right Out: 167.980+/-0.758 χ²/NDF: 7828.5/20
Left In: 221.923+/-1.003 χ²/NDF:1986.7/22
Left: 212.217+/-0.691 χ²/NDF: 7656.5/47
Right: 164.354+/-0.566 χ²/NDF: 11151.0/37
In: 185.767+/-0.648 χ²/NDF:7490.9/39
Out: 181.727+/-0.593 χ²/NDF:14168.6/45
All: 183.568+/-0.438 χ²/NDF: 21680.6/85



Right In: 5.662+/-0.882 χ^2/NDF: 185.2/16

Left Out: 0.568+/-0.716 χ^2/NDF:345.4/24

Right Out: 2.142+/-0.842 χ^2/NDF: 321.4/20

Left In: 2.210+/-0.760 χ^2/NDF:358.2/22

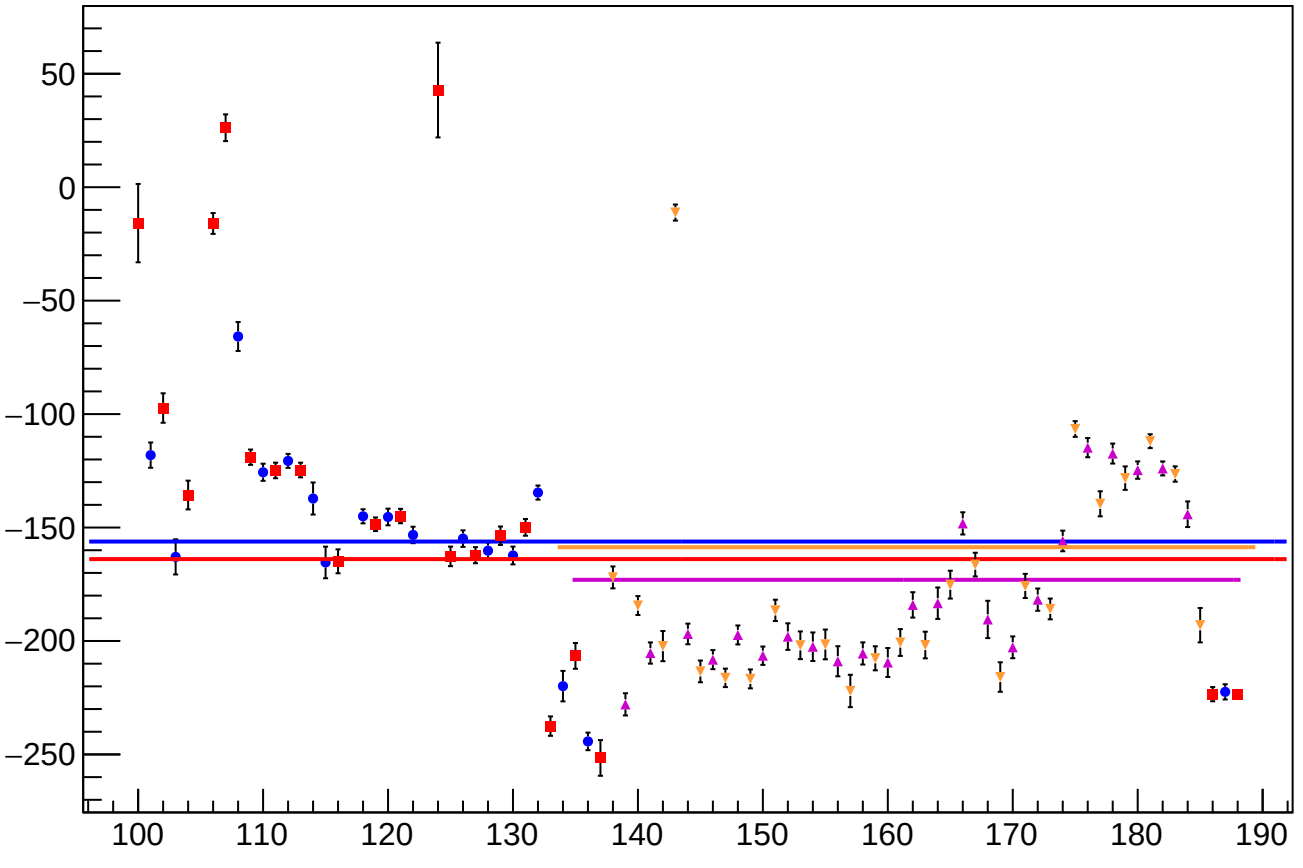
Left: 1.339+/-0.521 χ^2/NDF: 706.1/47

Right: 3.819+/-0.609 χ^2/NDF: 514.9/37

In: 3.680+/-0.576 χ^2/NDF:552.2/39

Out: 1.229+/-0.545 χ^2/NDF:668.8/45

All: 2.387+/-0.396 χ^2/NDF: 1230.6/85



Right In: -156.174+/-0.981 χ^2/NDF: 1526.8/16

Left Out: -158.658+/-0.951 χ^2/NDF:3491.8/24

Right Out: -163.918+/-0.834 χ^2/NDF: 4896.2/20

Left In: -173.043+/-0.996 χ^2/NDF:1399.9/22

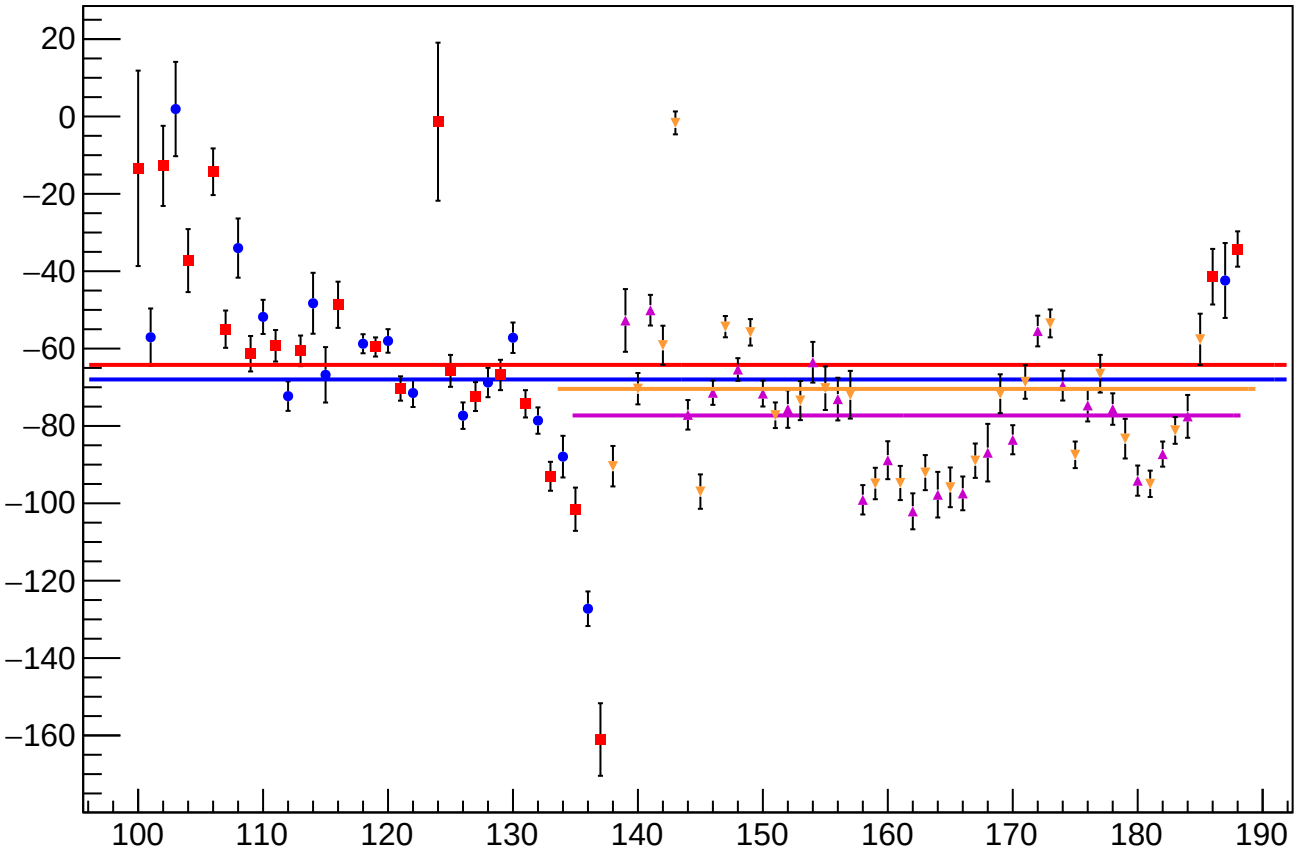
Left: -165.517+/-0.687 χ^2/NDF: 5000.9/47

Right: -160.668+/-0.635 χ^2/NDF: 6459.1/37

In: -164.482+/-0.699 χ^2/NDF:3072.4/39

Out: -161.630+/-0.627 χ^2/NDF:8405.2/45

All: -162.902+/-0.467 χ^2/NDF: 11486.9/85



Right In: -67.980+/-1.027 χ^2/NDF: 322.5/16

Left Out: -70.427+/-0.821 χ^2/NDF:901.6/24

Right Out: -64.218+/-0.990 χ^2/NDF: 415.1/20

Left In: -77.288+/-0.866 χ^2/NDF:254.3/22

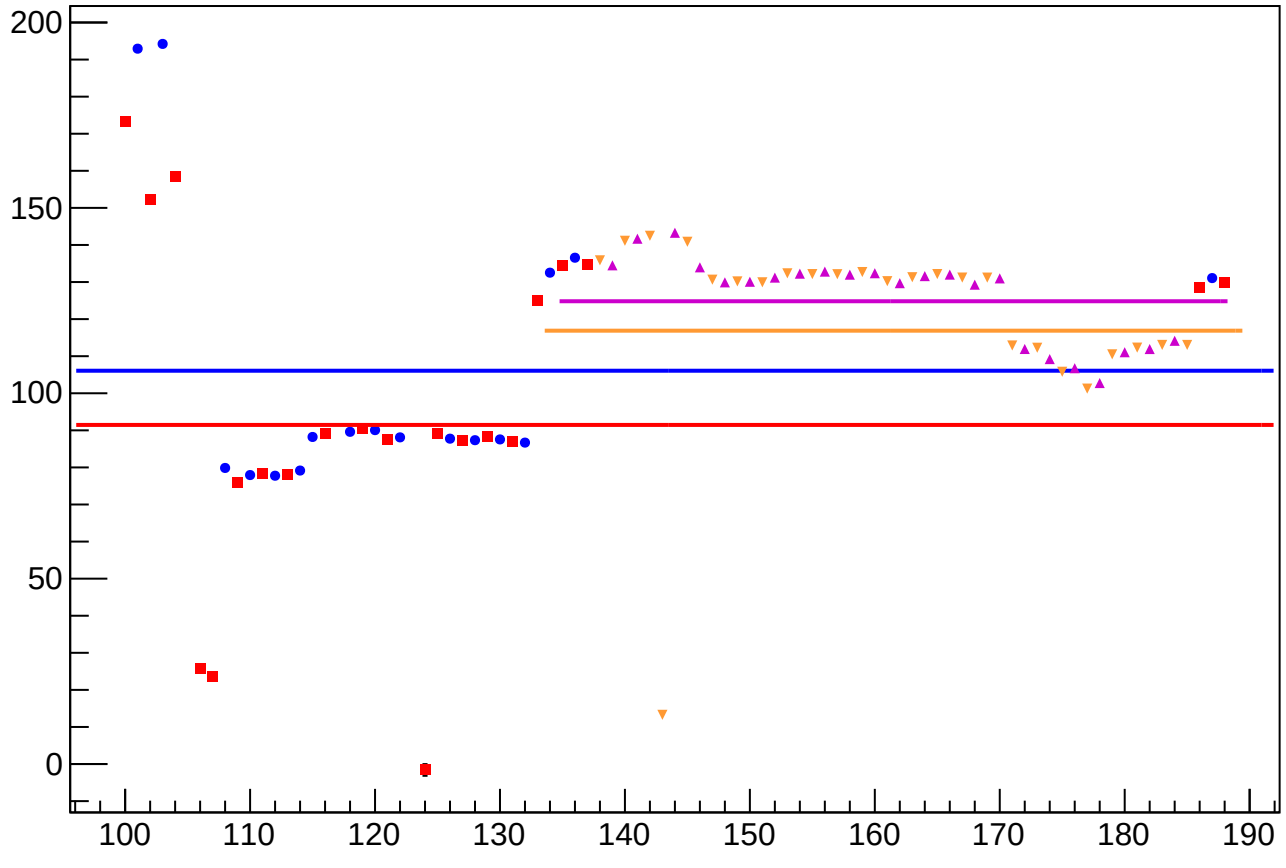
Left: -73.677+/-0.596 χ^2/NDF: 1189.0/47

Right: -66.029+/-0.713 χ^2/NDF: 744.5/37

In: -73.423+/-0.662 χ^2/NDF:624.7/39

Out: -67.895+/-0.632 χ^2/NDF:1340.0/45

All: -70.531+/-0.457 χ^2/NDF: 2001.3/85



Right In: 106.079+/-0.070 χ^2/NDF: 241841.1/16

Left Out: 116.881+/-0.038 χ^2/NDF:623110.0/24

Right Out: 91.462+/-0.063 χ^2/NDF: 411344.9/20

Left In: 124.819+/-0.039 χ^2/NDF:88116.2/22

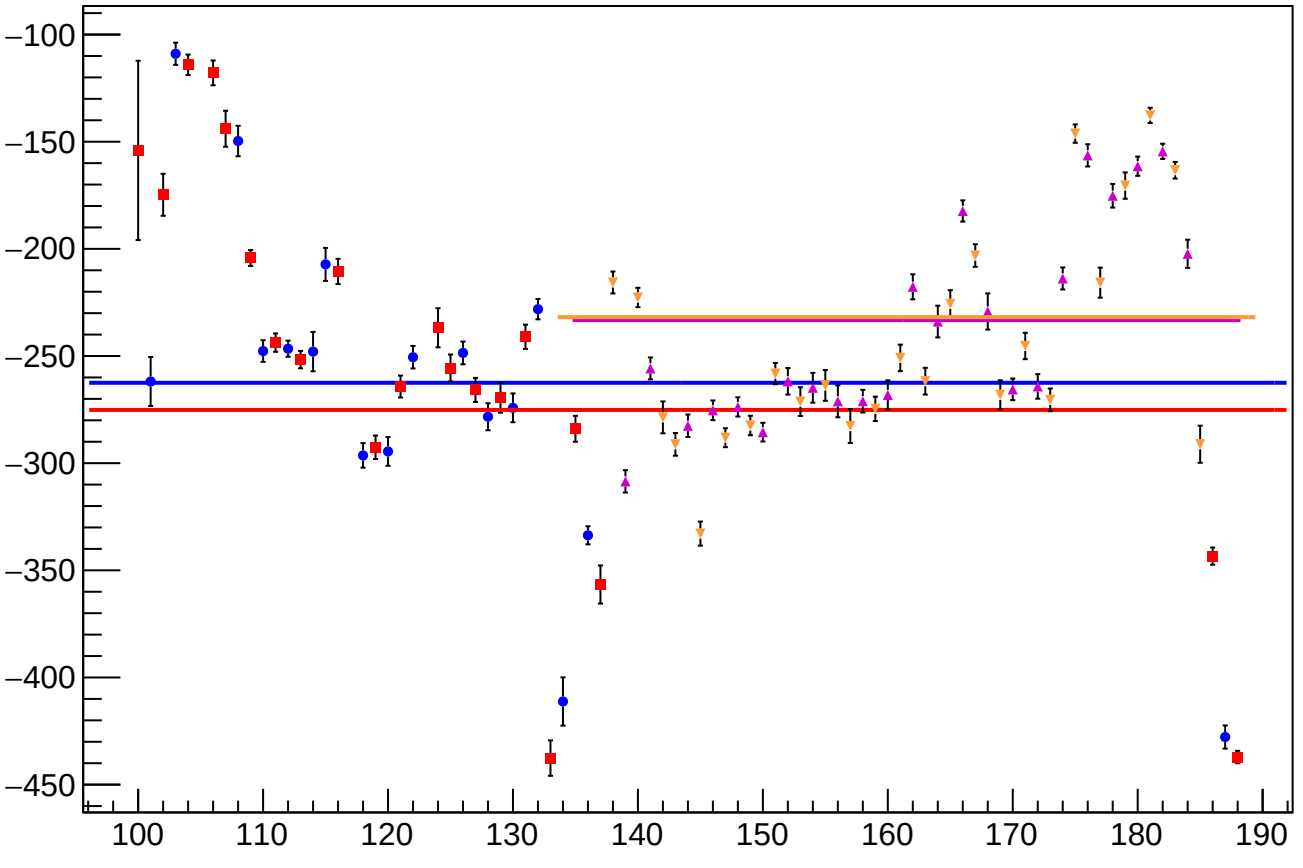
Left: 120.724+/-0.027 χ^2/NDF: 732240.4/47

Right: 97.934+/-0.047 χ^2/NDF: 677333.7/37

In: 120.344+/-0.034 χ^2/NDF:384174.7/39

Out: 110.009+/-0.033 χ^2/NDF:1154794.4/45

All: 114.903+/-0.024 χ^2/NDF: 1586725.8/85



Right In: -262.488+/-1.390 χ^2/NDF: 2734.7/16

Left Out: -231.847+/-1.080 χ^2/NDF:2676.6/24

Right Out: -275.154+/-1.160 χ^2/NDF: 6765.9/20

Left In: -233.258+/-1.108 χ^2/NDF:2067.0/22

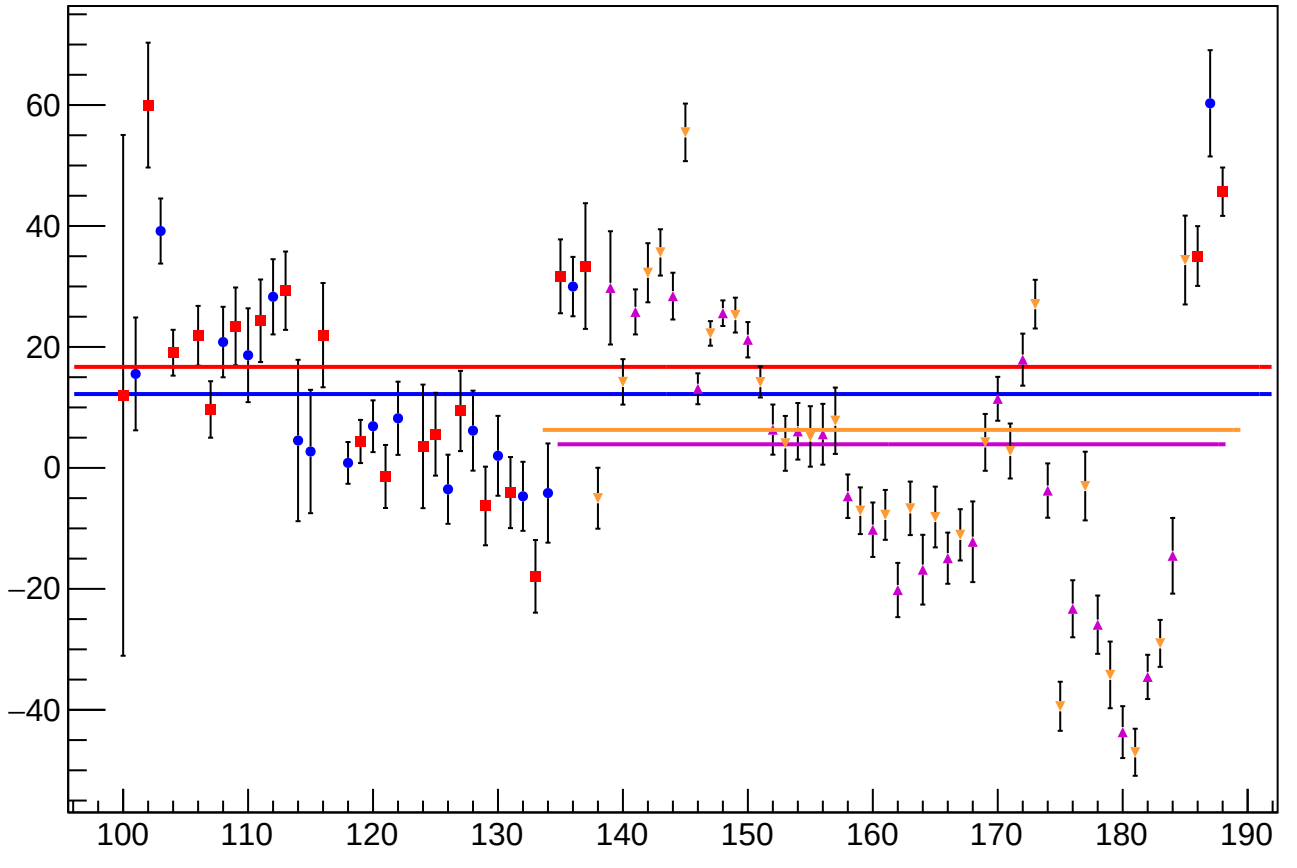
Left: -232.535+/-0.773 χ^2/NDF: 4744.4/47

Right: -269.956+/-0.890 χ^2/NDF: 9549.5/37

In: -244.610+/-0.866 χ^2/NDF:5072.2/39

Out: -251.966+/-0.790 χ^2/NDF:10189.2/45

All: -248.624+/-0.584 χ^2/NDF: 15300.8/85



Right In: 12.211+/-1.450 χ^2/NDF: 115.4/16

Left Out: 6.288+/-0.789 χ^2/NDF:871.5/24

Right Out: 16.704+/-1.252 χ^2/NDF: 190.4/20

Left In: 3.906+/-0.818 χ^2/NDF:650.3/22

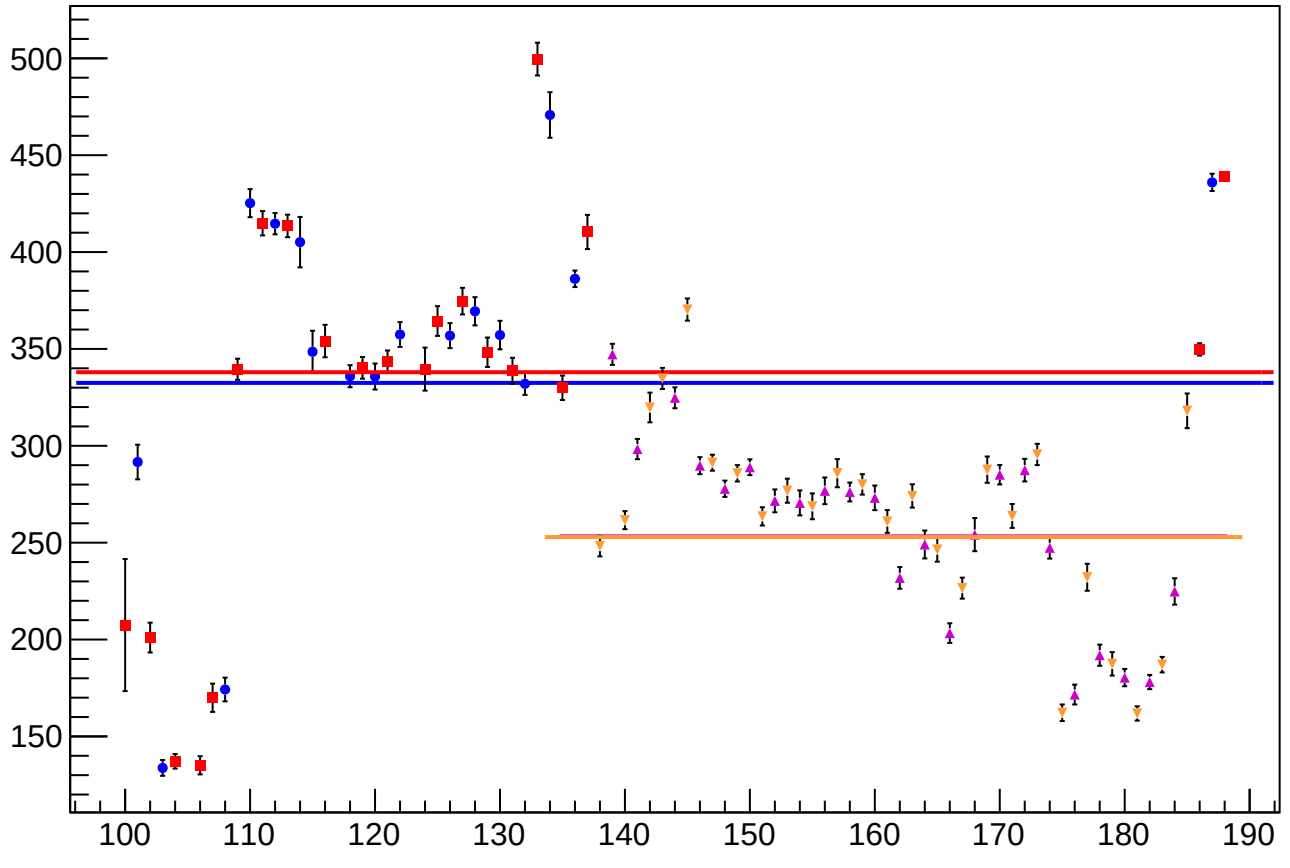
Left: 5.140+/-0.568 χ^2/NDF: 1526.1/47

Right: 14.786+/-0.948 χ^2/NDF: 311.4/37

In: 5.911+/-0.713 χ^2/NDF:790.6/39

Out: 9.250+/-0.668 χ^2/NDF:1111.4/45

All: 7.689+/-0.487 χ^2/NDF: 1913.7/85


reg_asym_atr_avg_diff_bpm4eX_slope vs Slug, Sign Corrected
500
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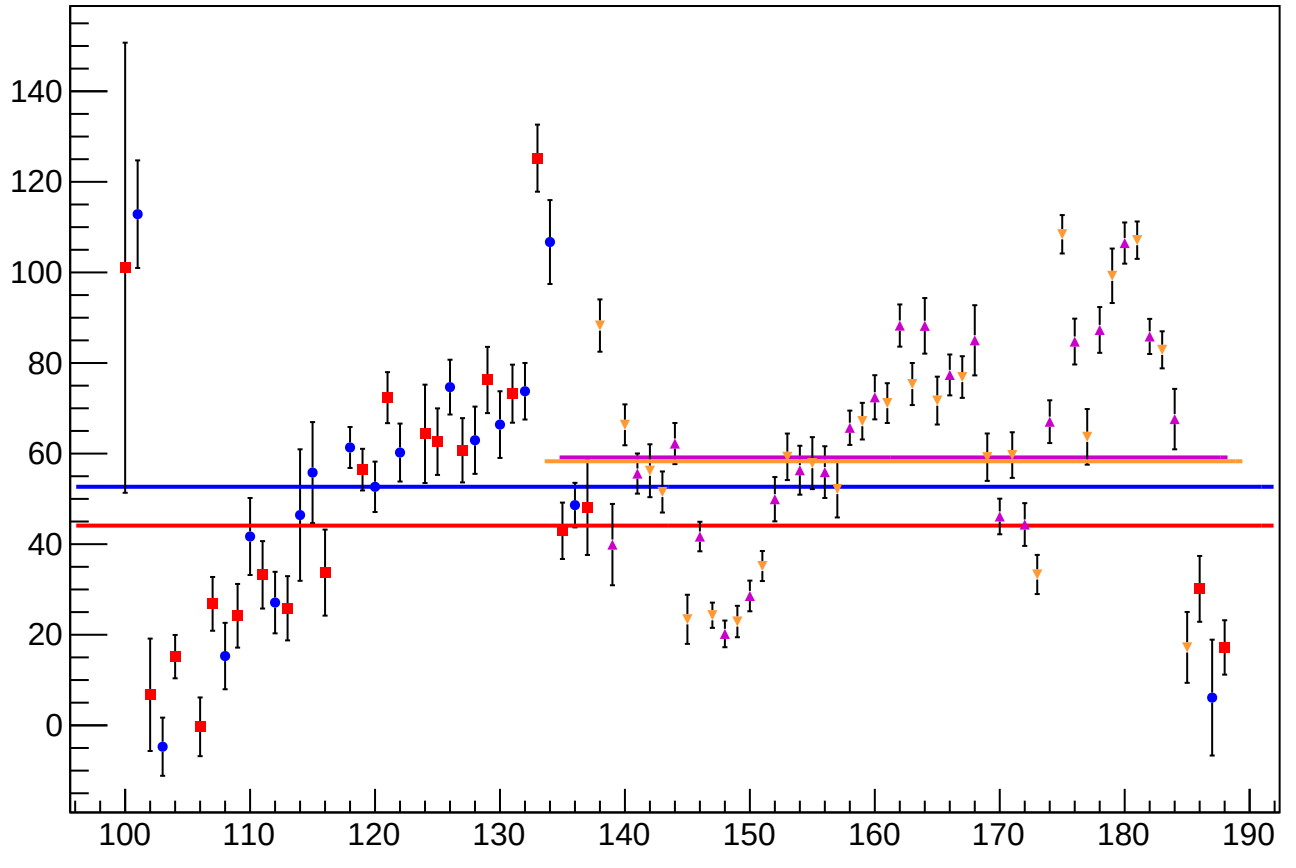
180
190
Right In: 332.471+/-1.494 χ²/NDF: 4404.1/16
Left Out: 252.886+/-1.070 χ²/NDF:2579.0/24
Right Out: 337.991+/-1.164 χ²/NDF: 8261.1/20
Left In: 253.248+/-1.093 χ²/NDF:2059.7/22
Left: 253.063+/-0.765 χ²/NDF: 4638.7/47
Right: 335.905+/-0.918 χ²/NDF: 12673.7/37
In: 280.885+/-0.882 χ²/NDF:8295.2/39
Out: 291.874+/-0.788 χ²/NDF:13735.8/45
All: 286.998+/-0.588 χ²/NDF: 22117.3/85



Right In: 52.672+/-1.684 χ^2/NDF: 230.7/16

Left Out: 58.306+/-0.911 χ^2/NDF:850.2/24

Right Out: 44.099+/-1.507 χ^2/NDF: 352.0/20

Left In: 59.151+/-0.938 χ^2/NDF:632.4/22

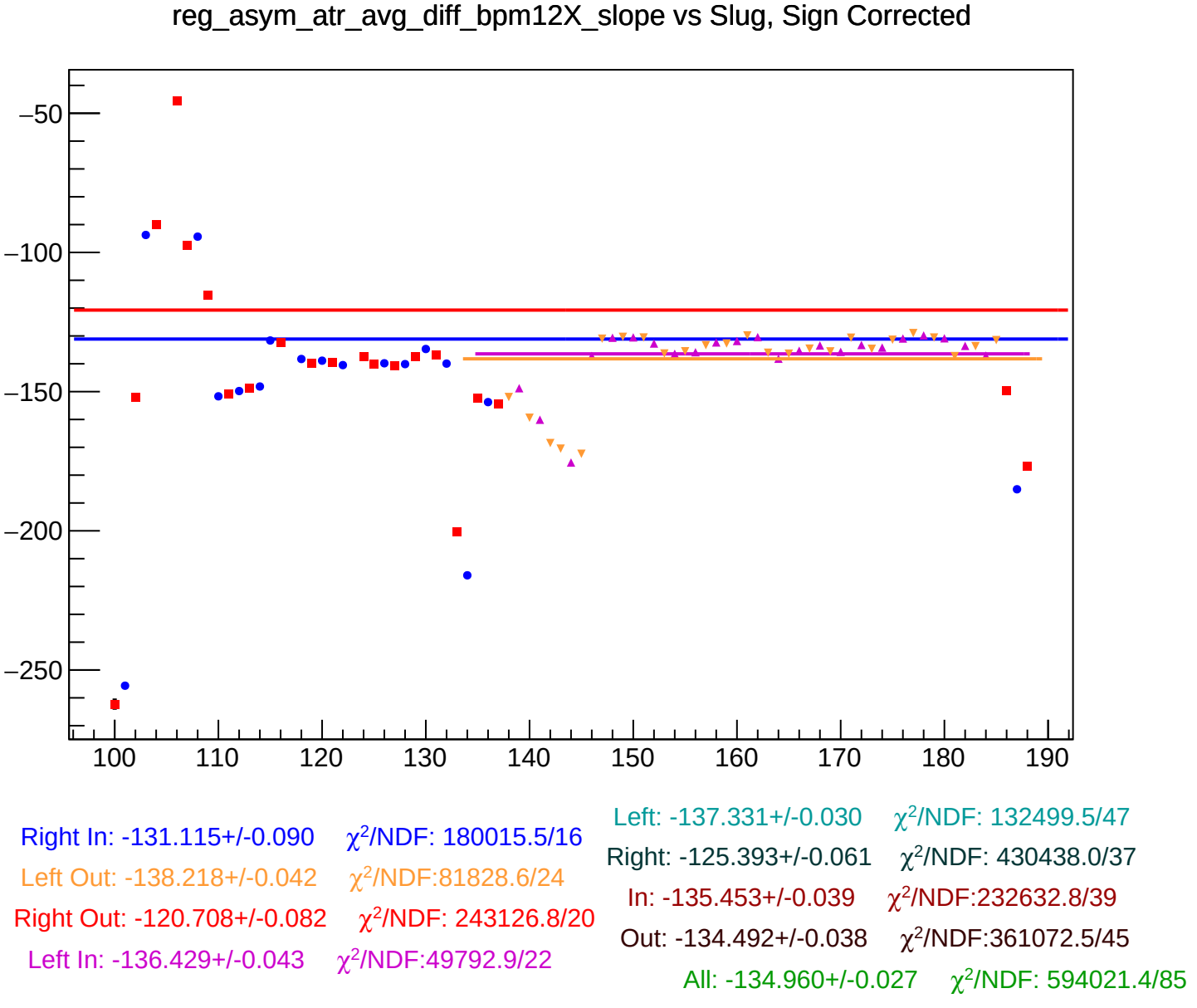
Left: 58.716+/-0.654 χ^2/NDF: 1483.1/47

Right: 47.911+/-1.123 χ^2/NDF: 597.1/37

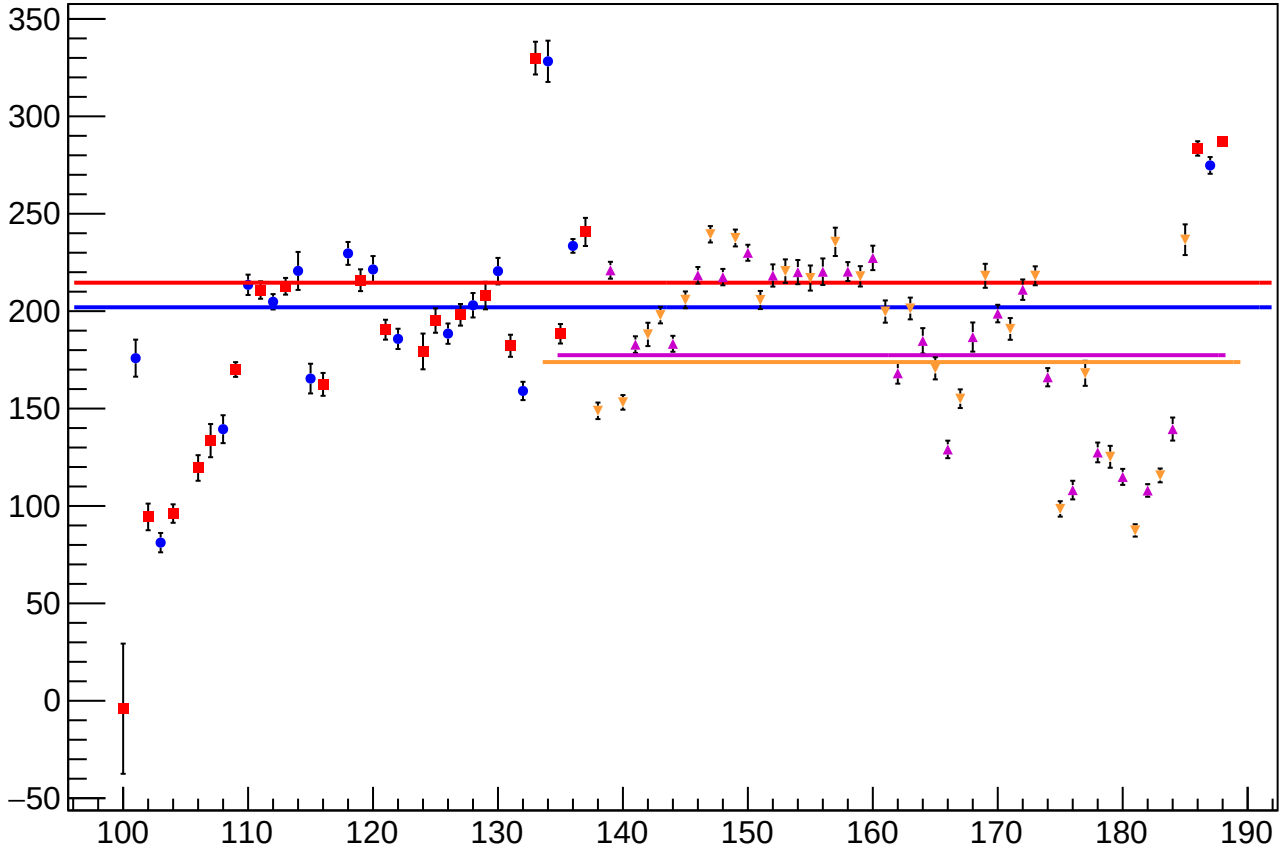
In: 57.616+/-0.820 χ^2/NDF:874.4/39

Out: 54.500+/-0.780 χ^2/NDF:1267.3/45

All: 55.980+/-0.565 χ^2/NDF: 2149.3/85


reg_asym_atr_avg_diff_bpm12X_slope vs Slug, Sign Corrected
−50
−100
−150
−200
−250
100
110
120
130
140
150
160
170
180
190
Right In: -131.115+/-0.090 χ²/NDF: 180015.5/16
Left Out: -138.218+/-0.042 χ²/NDF:81828.6/24
Right Out: -120.708+/-0.082 χ²/NDF: 243126.8/20
Left In: -136.429+/-0.043 χ²/NDF:49792.9/22
Left: -137.331+/-0.030 χ²/NDF: 132499.5/47
Right: -125.393+/-0.061 χ²/NDF: 430438.0/37
In: -135.453+/-0.039 χ²/NDF:232632.8/39
Out: -134.492+/-0.038 χ²/NDF:361072.5/45
All: -134.960+/-0.027 χ²/NDF: 594021.4/85

reg_asym_atr_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 201.990+/-1.337 χ^2/NDF: 1354.1/16

Left Out: 173.862+/-0.962 χ^2/NDF:2627.6/24

Right Out: 214.609+/-1.095 χ^2/NDF: 3153.3/20

Left In: 177.403+/-0.996 χ^2/NDF:1963.0/22

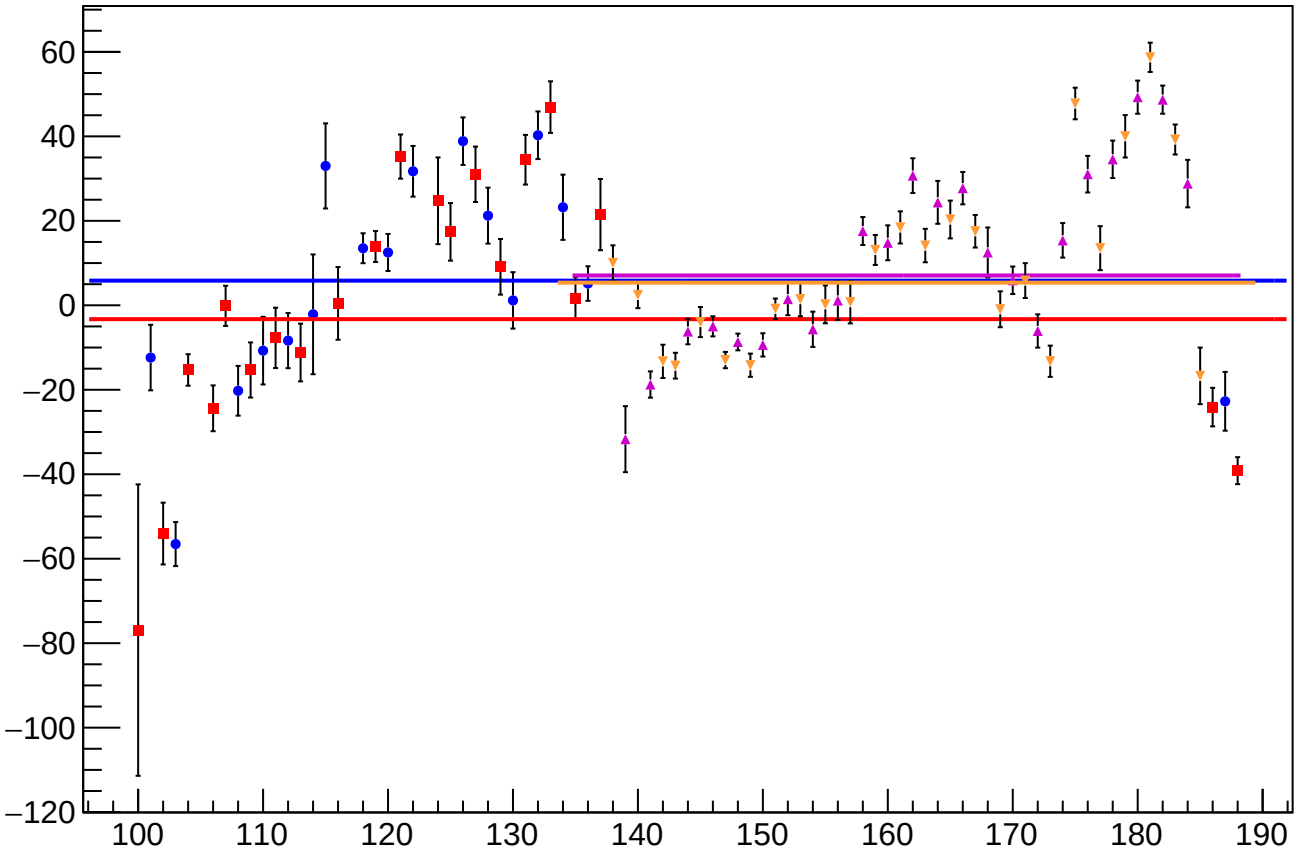
Left: 175.572+/-0.692 χ^2/NDF: 4597.1/47

Right: 209.541+/-0.847 χ^2/NDF: 4560.7/37

In: 186.176+/-0.798 χ^2/NDF:3534.8/39

Out: 191.614+/-0.723 χ^2/NDF:6562.3/45

All: 189.165+/-0.536 χ^2/NDF: 10122.5/85



Right In: 5.838+/-1.413 χ^2/NDF: 310.1/16

Left Out: 5.363+/-0.710 χ^2/NDF:810.0/24

Right Out: -3.281+/-1.203 χ^2/NDF: 473.1/20

Left In: 7.061+/-0.741 χ^2/NDF:709.7/22

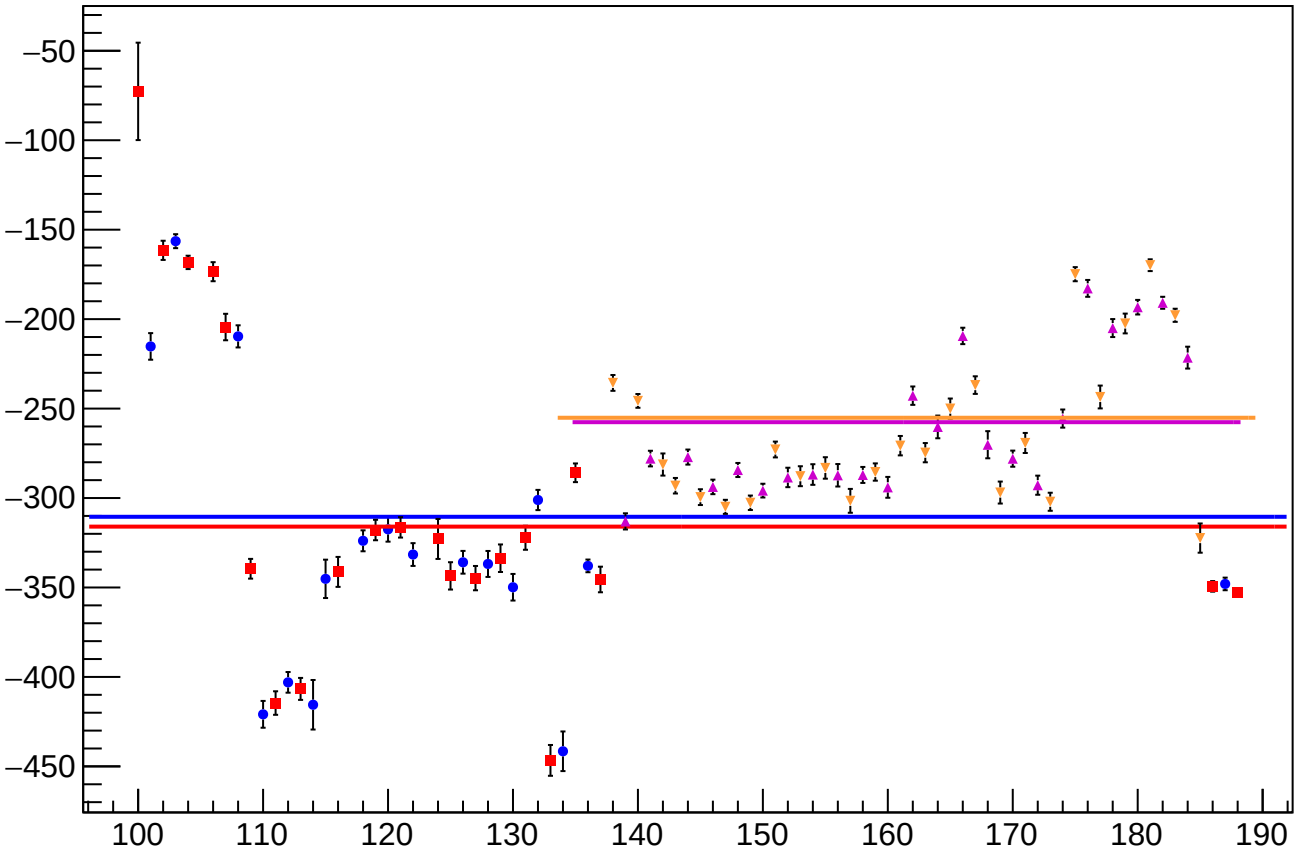
Left: 6.176+/-0.513 χ^2/NDF: 1522.4/47

Right: 0.552+/-0.916 χ^2/NDF: 807.4/37

In: 6.797+/-0.656 χ^2/NDF:1020.4/39

Out: 3.128+/-0.612 χ^2/NDF:1321.4/45

All: 4.833+/-0.448 χ^2/NDF: 2358.5/85



Right In: -310.483+/-1.403 χ^2/NDF: 2920.3/16

Left Out: -255.122+/-0.956 χ^2/NDF:2344.8/24

Right Out: -315.979+/-1.064 χ^2/NDF: 4732.8/20

Left In: -257.600+/-0.985 χ^2/NDF:1808.1/22

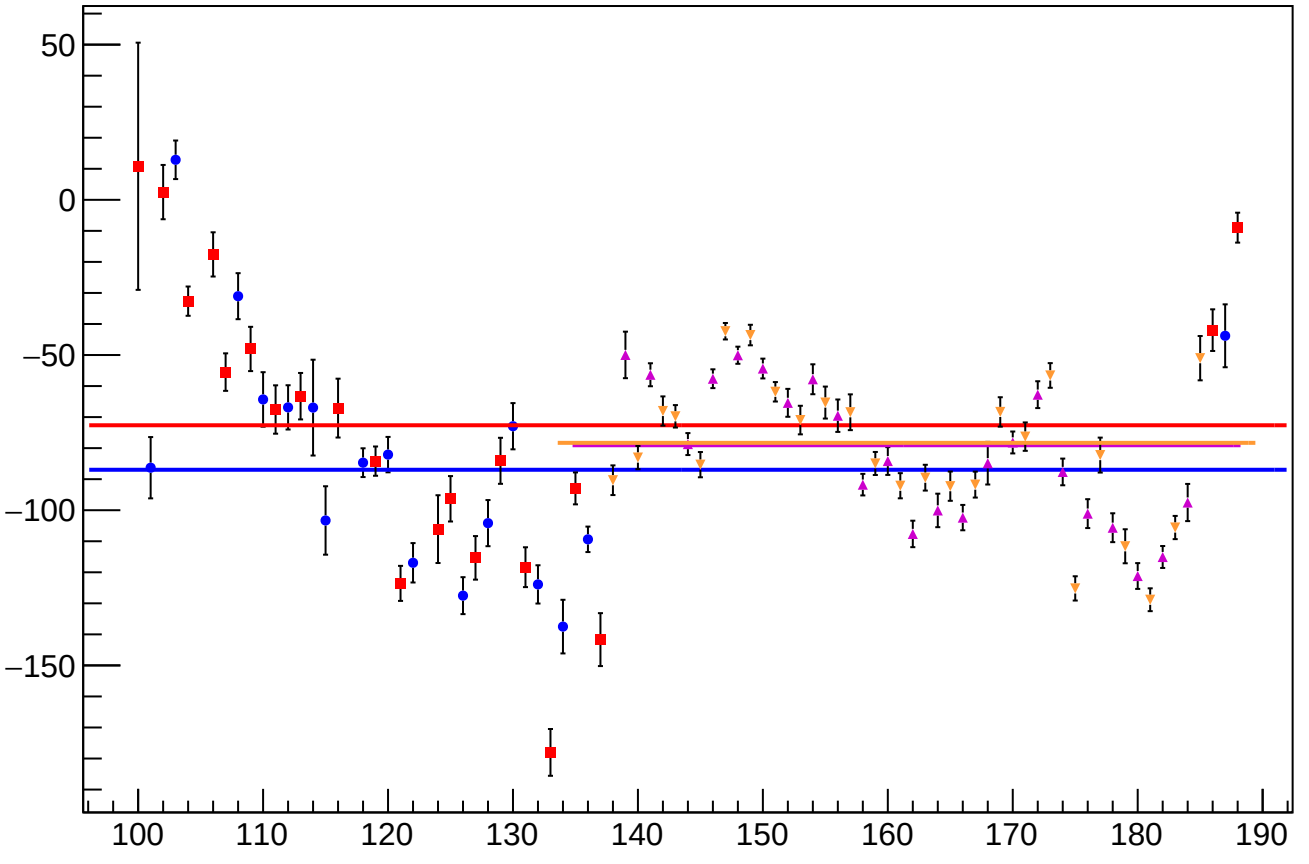
Left: -256.324+/-0.686 χ^2/NDF: 4156.2/47

Right: -313.972+/-0.848 χ^2/NDF: 7662.8/37

In: -275.049+/-0.806 χ^2/NDF:5679.8/39

Out: -282.312+/-0.711 χ^2/NDF:8887.0/45

All: -279.133+/-0.533 χ^2/NDF: 14612.4/85



Right In: -86.968+/-1.633 χ^2/NDF: 530.6/16

Left Out: -78.292+/-0.819 χ^2/NDF:868.2/24

Right Out: -72.630+/-1.456 χ^2/NDF: 901.5/20

Left In: -79.066+/-0.849 χ^2/NDF:702.6/22

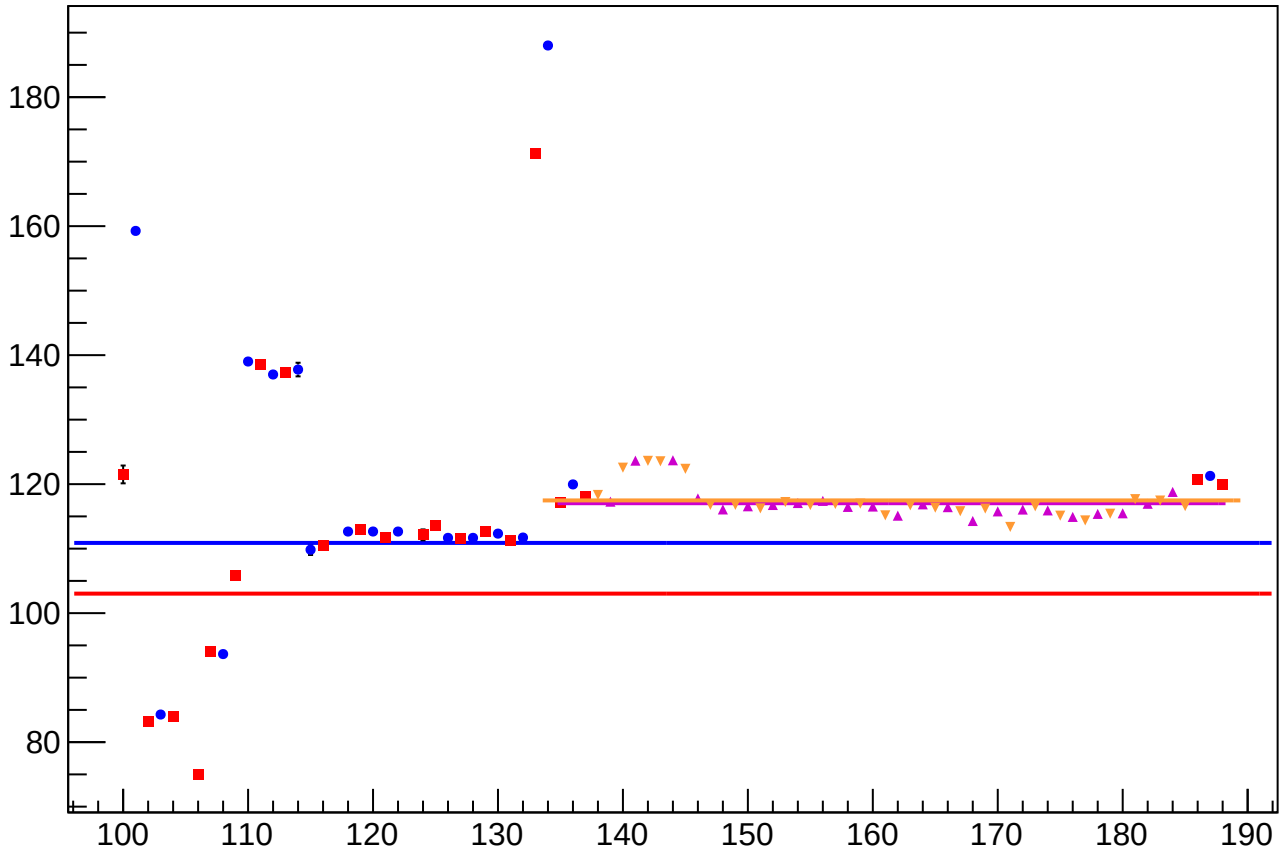
Left: -78.665+/-0.589 χ^2/NDF: 1571.2/47

Right: -78.979+/-1.087 χ^2/NDF: 1475.0/37

In: -80.746+/-0.753 χ^2/NDF:1251.6/39

Out: -76.932+/-0.714 χ^2/NDF:1781.2/45

All: -78.737+/-0.518 χ^2/NDF: 3046.3/85



Right In: 110.889+/-0.085 χ^2/NDF: 83865.3/16

Left Out: 117.477+/-0.038 χ^2/NDF:4739.3/24

Right Out: 103.027+/-0.076 χ^2/NDF: 68088.7/20

Left In: 117.046+/-0.039 χ^2/NDF:3343.0/22

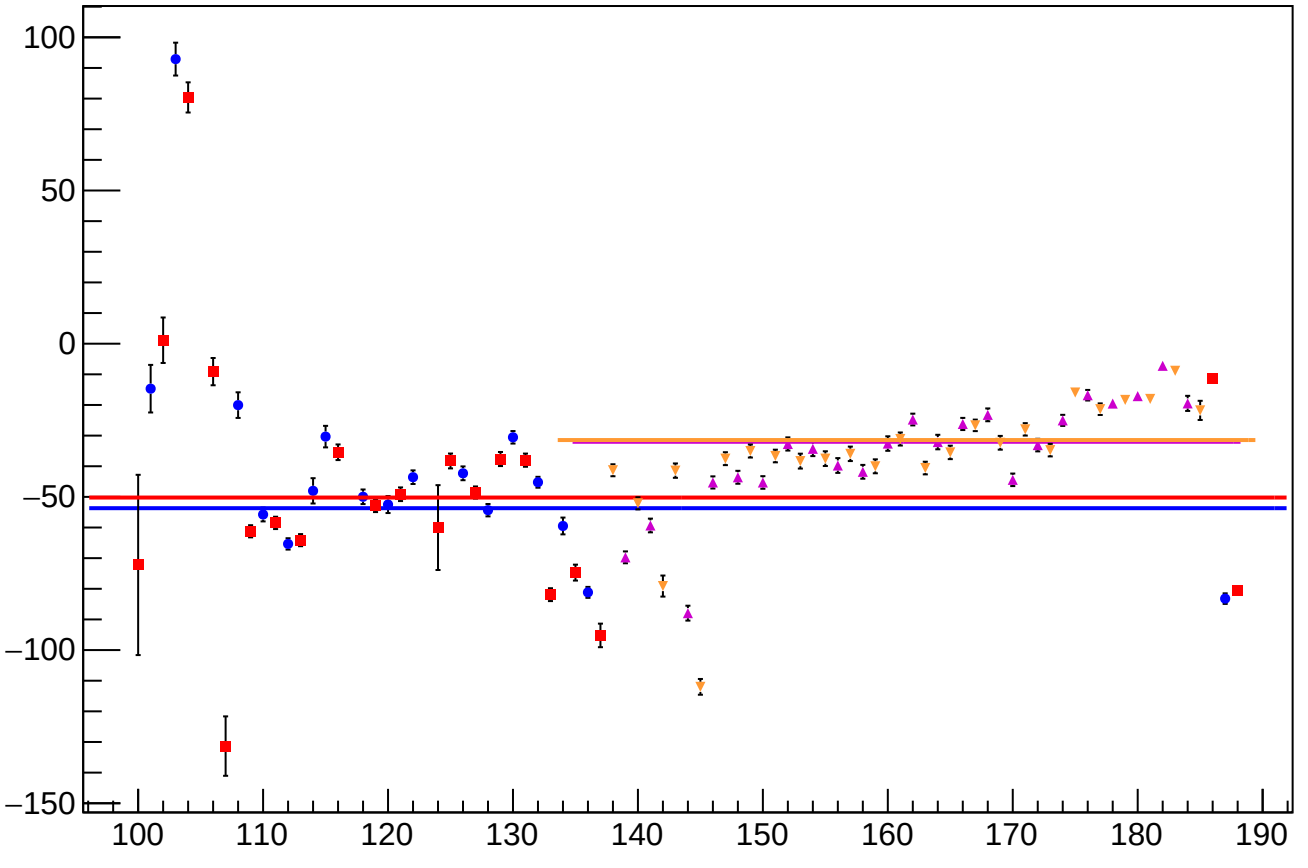
Left: 117.265+/-0.027 χ^2/NDF: 8145.5/47

Right: 106.550+/-0.057 χ^2/NDF: 156692.4/37

In: 115.990+/-0.035 χ^2/NDF:91570.4/39

Out: 114.614+/-0.034 χ^2/NDF:101465.4/45

All: 115.280+/-0.024 χ^2/NDF: 193827.1/85



Right In: -53.689+/-0.575 χ^2/NDF: 1655.9/16

Left Out: -31.452+/-0.399 χ^2/NDF:1992.2/24

Right Out: -50.216+/-0.465 χ^2/NDF: 3870.3/20

Left In: -32.015+/-0.409 χ^2/NDF:1913.4/22

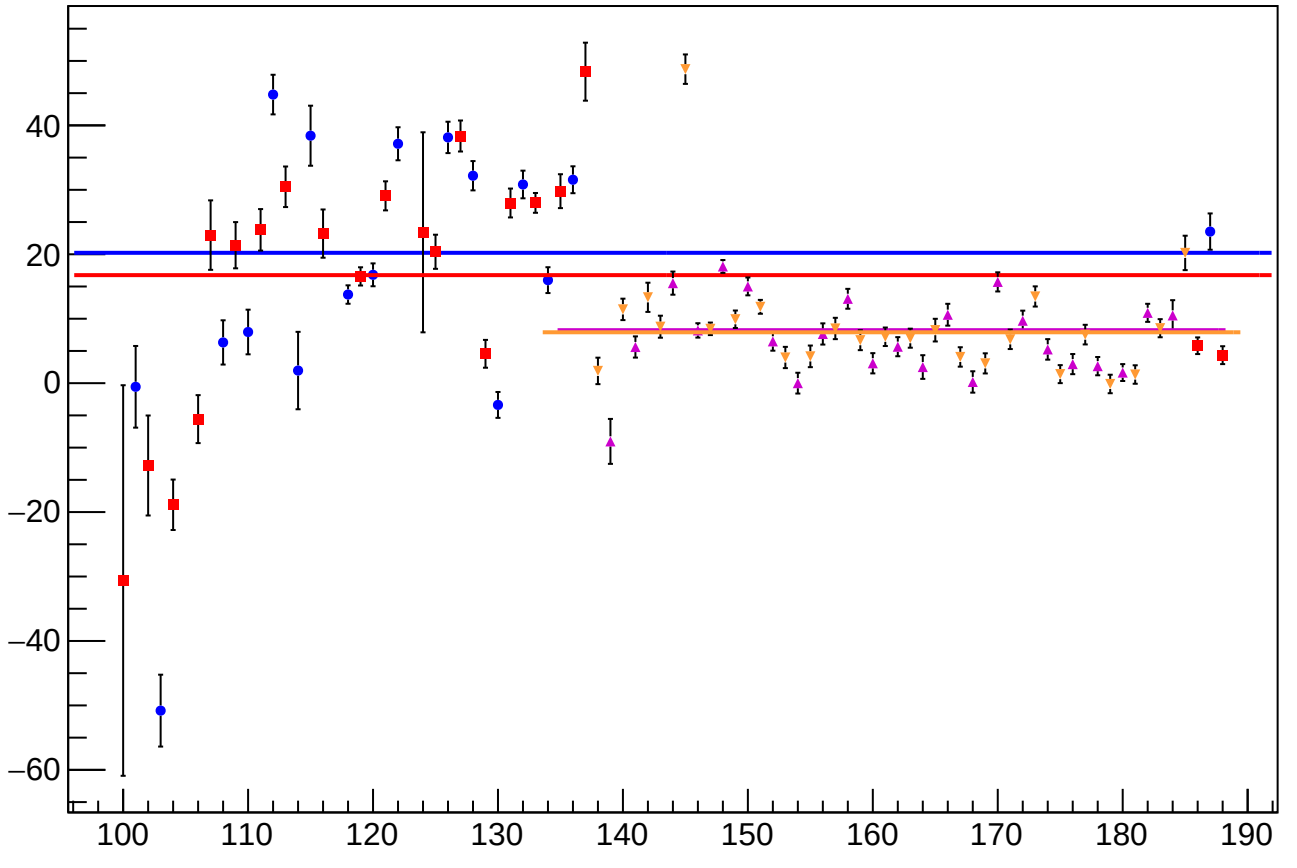
Left: -31.726+/-0.286 χ^2/NDF: 3906.6/47

Right: -51.588+/-0.361 χ^2/NDF: 5548.3/37

In: -39.297+/-0.333 χ^2/NDF:4512.3/39

Out: -39.411+/-0.303 χ^2/NDF:6801.1/45

All: -39.360+/-0.224 χ^2/NDF: 11313.5/85



Right In: 20.227+/-0.598 χ^2/NDF: 637.7/16

Left Out: 7.897+/-0.304 χ^2/NDF:490.5/24

Right Out: 16.764+/-0.520 χ^2/NDF: 613.9/20

Left In: 8.223+/-0.316 χ^2/NDF:338.8/22

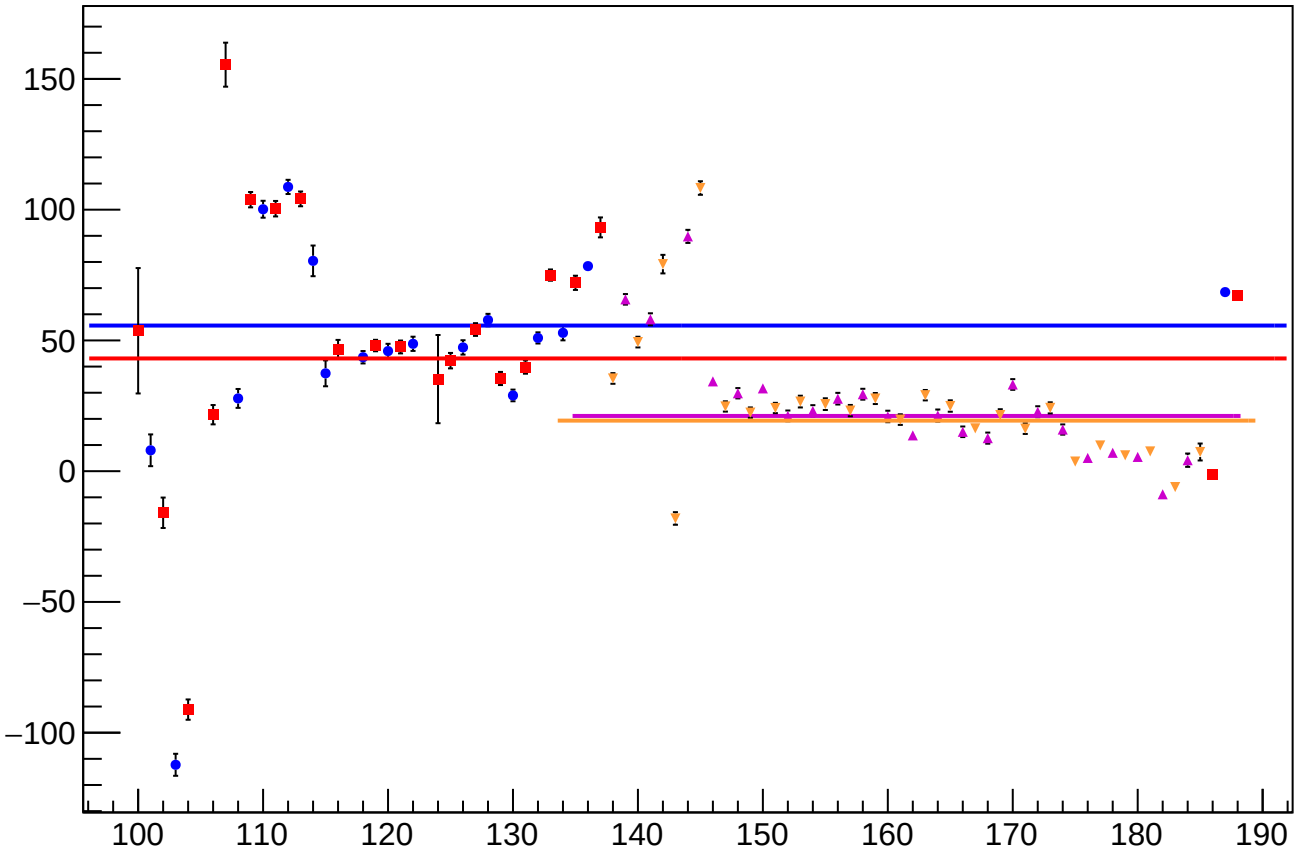
Left: 8.054+/-0.219 χ^2/NDF: 829.9/47

Right: 18.254+/-0.392 χ^2/NDF: 1270.7/37

In: 10.837+/-0.279 χ^2/NDF:1291.6/39

Out: 10.157+/-0.262 χ^2/NDF:1321.4/45

All: 10.476+/-0.191 χ^2/NDF: 2616.2/85



Right In: 55.687+/-0.625 χ^2/NDF: 2760.4/16

Left Out: 19.339+/-0.396 χ^2/NDF:2682.4/24

Right Out: 43.108+/-0.449 χ^2/NDF: 7007.2/20

Left In: 21.124+/-0.405 χ^2/NDF:2504.8/22

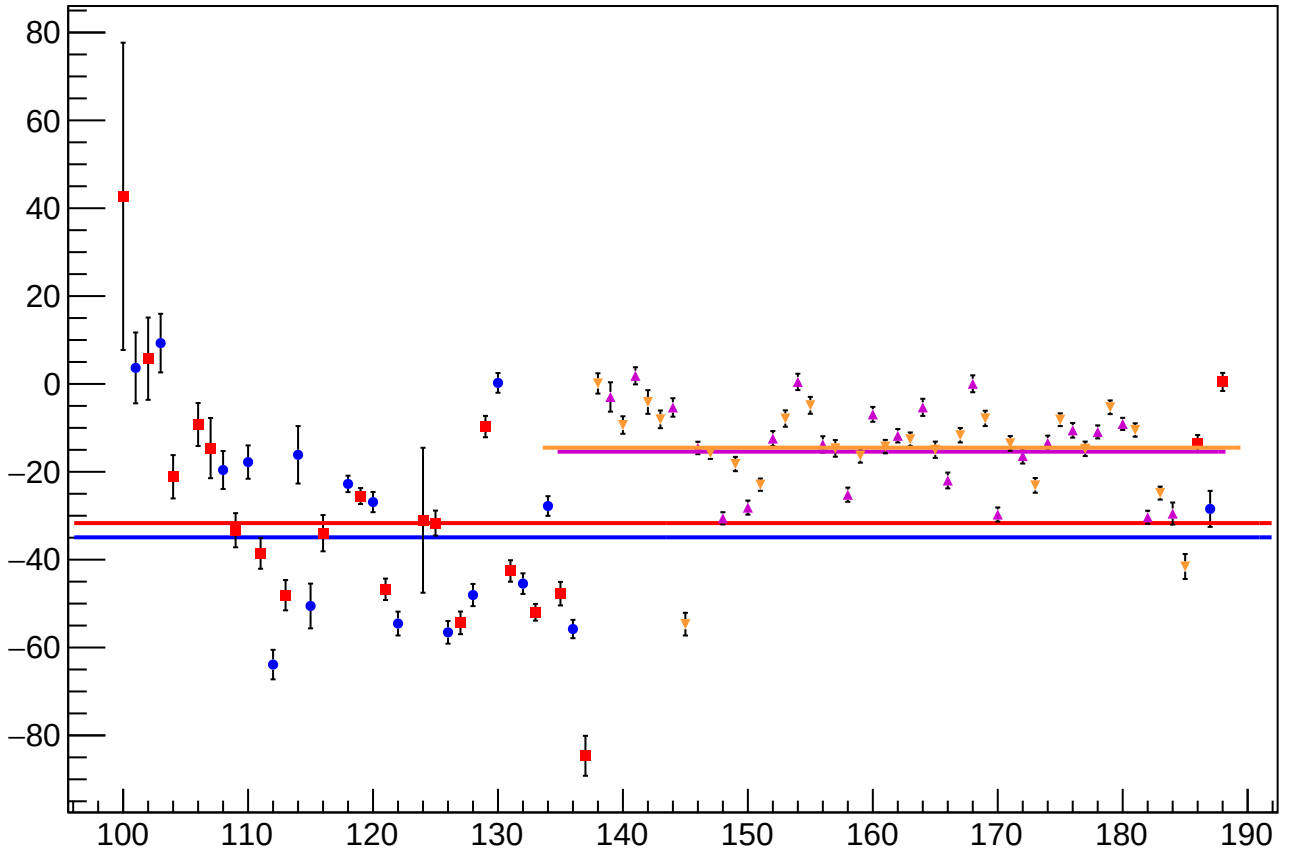
Left: 20.211+/-0.283 χ^2/NDF: 5197.1/47

Right: 47.390+/-0.365 χ^2/NDF: 10034.6/37

In: 31.334+/-0.340 χ^2/NDF:7419.1/39

Out: 29.724+/-0.297 χ^2/NDF:11267.0/45

All: 30.421+/-0.224 χ^2/NDF: 18698.8/85



Right In: -34.915+/-0.690 χ^2/NDF: 775.7/16

Left Out: -14.502+/-0.344 χ^2/NDF:641.0/24

Right Out: -31.675+/-0.635 χ^2/NDF: 931.0/20

Left In: -15.417+/-0.355 χ^2/NDF:798.7/22

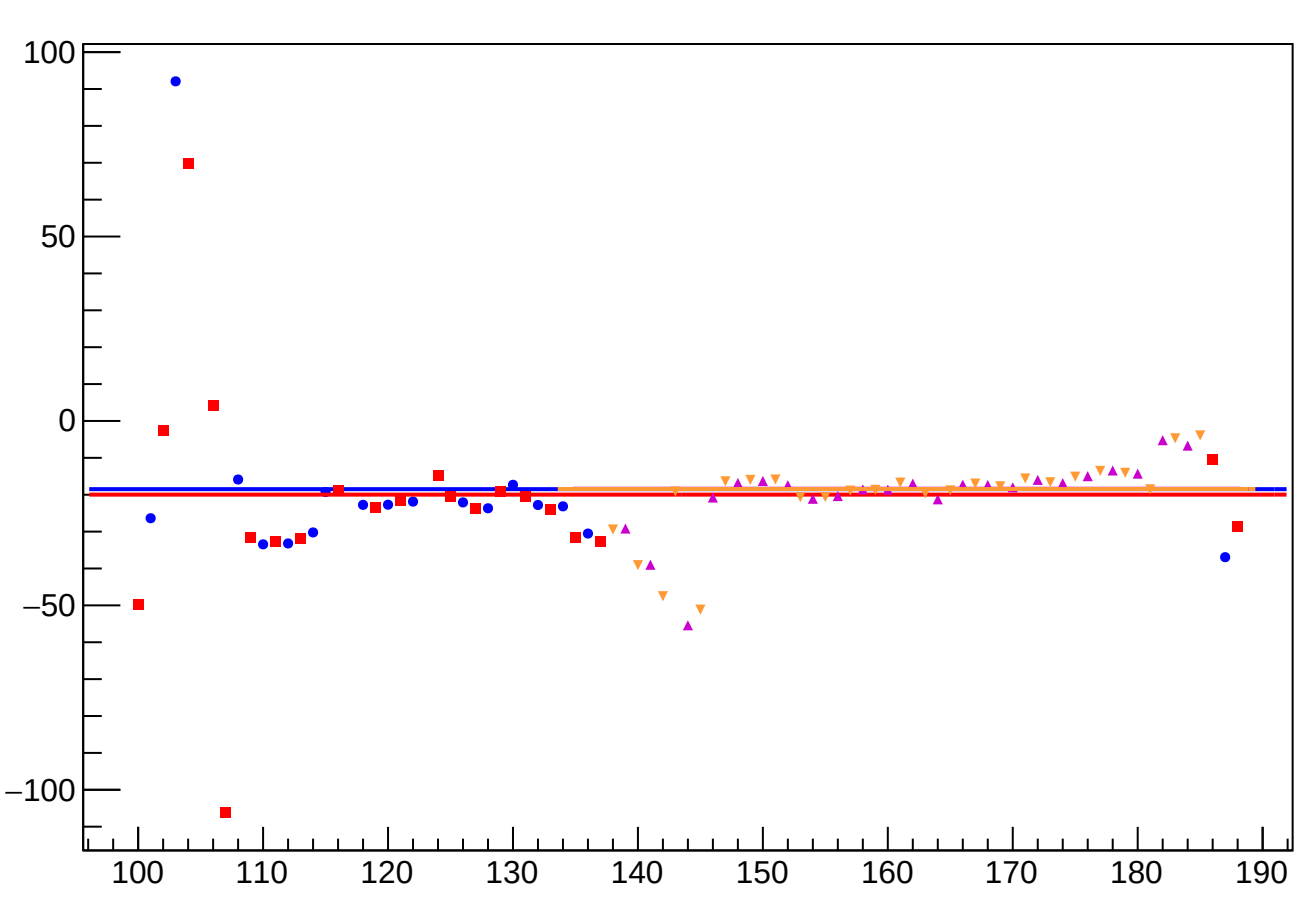
Left: -14.945+/-0.247 χ^2/NDF: 1443.2/47

Right: -33.162+/-0.467 χ^2/NDF: 1718.7/37

In: -19.503+/-0.316 χ^2/NDF:2205.5/39

Out: -18.393+/-0.302 χ^2/NDF:2136.9/45

All: -18.924+/-0.218 χ^2/NDF: 4348.8/85



Right In: -18.490+/-0.042 χ^2/NDF: 432986.6/16

Left Out: -18.450+/-0.015 χ^2/NDF:295359.2/24

Right Out: -19.975+/-0.040 χ^2/NDF: 357088.6/20

Left In: -18.378+/-0.016 χ^2/NDF:250040.9/22

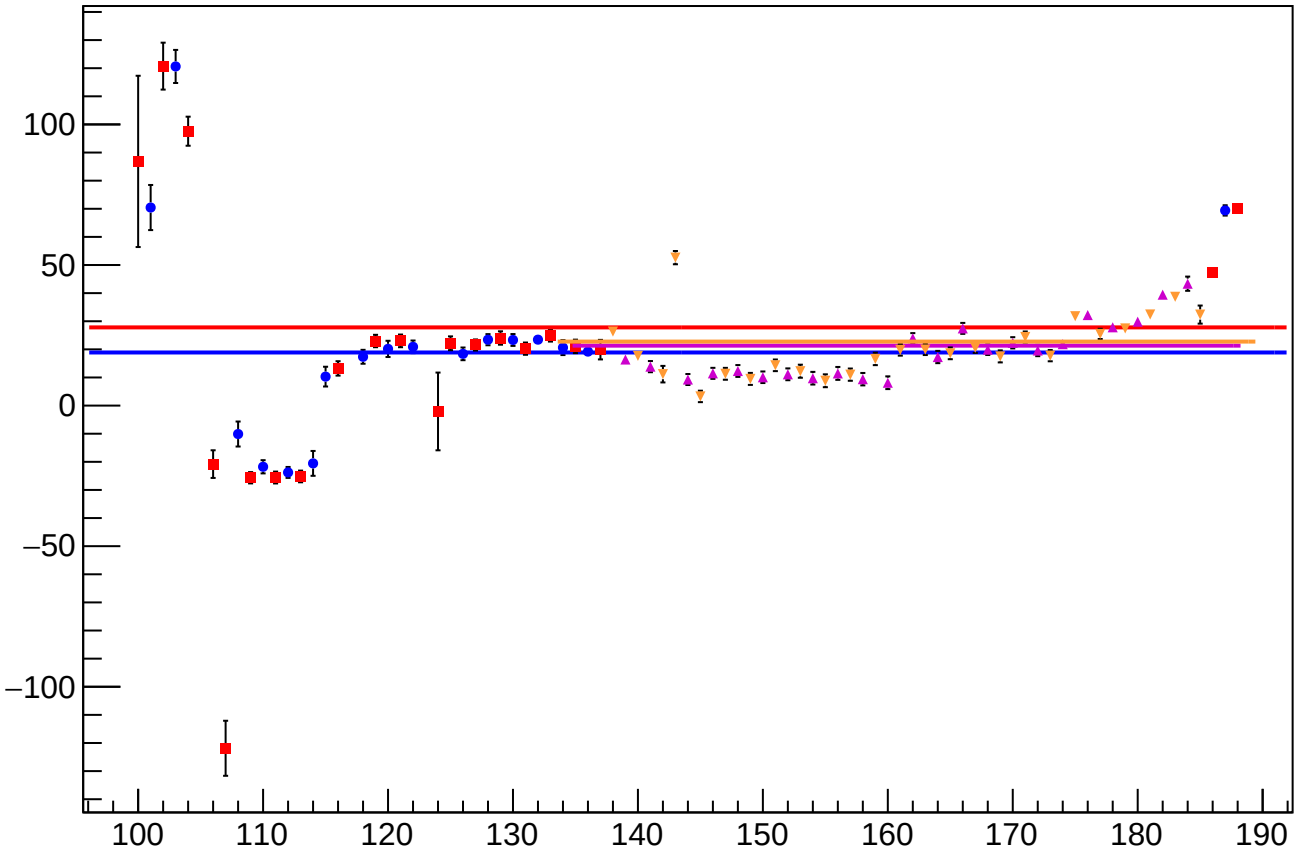
Left: -18.414+/-0.011 χ^2/NDF: 545410.6/47

Right: -19.275+/-0.029 χ^2/NDF: 790721.9/37

In: -18.391+/-0.015 χ^2/NDF:683033.7/39

Out: -18.647+/-0.014 χ^2/NDF:653706.7/45

All: -18.522+/-0.010 χ^2/NDF: 1336893.8/85



Right In: 18.890+/-0.583 χ^2/NDF: 2021.0/16

Left Out: 22.766+/-0.383 χ^2/NDF:722.8/24

Right Out: 27.812+/-0.493 χ^2/NDF: 4509.6/20

Left In: 21.325+/-0.393 χ^2/NDF:629.9/22

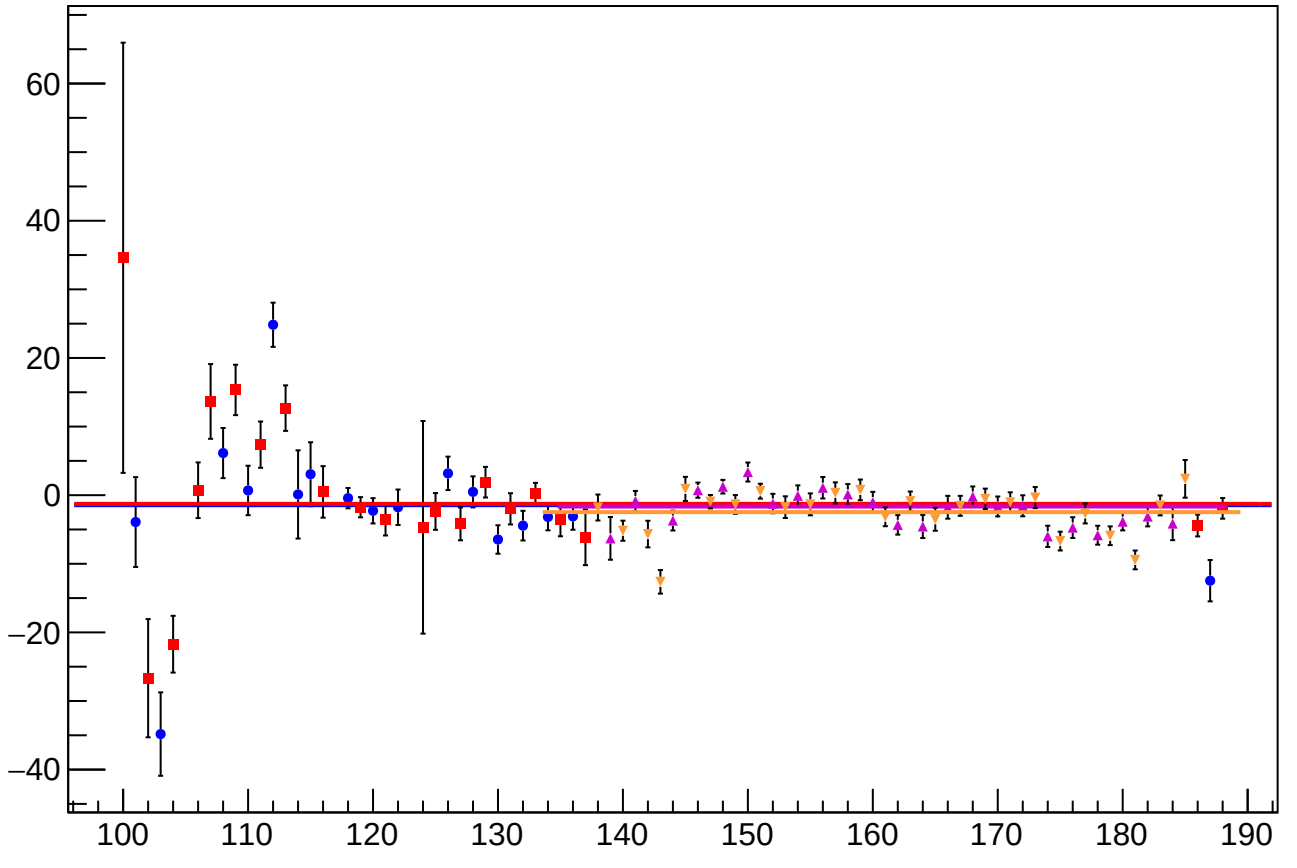
Left: 22.064+/-0.274 χ^2/NDF: 1359.6/47

Right: 24.094+/-0.376 χ^2/NDF: 6667.2/37

In: 20.565+/-0.326 χ^2/NDF:2662.8/39

Out: 24.664+/-0.302 χ^2/NDF:5297.8/45

All: 22.768+/-0.222 χ^2/NDF: 8045.8/85



Right In: -1.458+/-0.607 χ^2/NDF: 130.2/16

Left Out: -2.468+/-0.293 χ^2/NDF:116.7/24

Right Out: -1.265+/-0.549 χ^2/NDF: 99.3/20

Left In: -1.659+/-0.304 χ^2/NDF:70.2/22

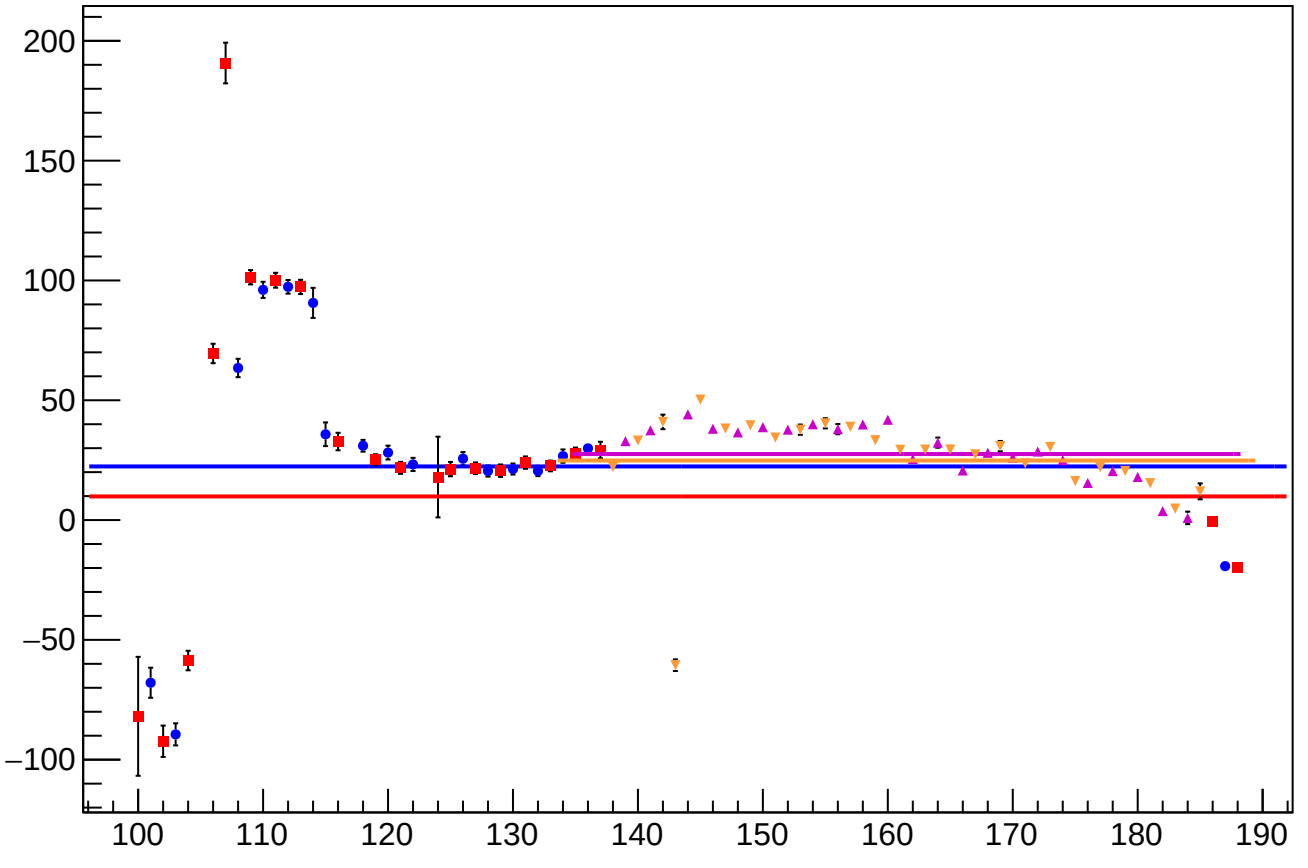
Left: -2.079+/-0.211 χ^2/NDF: 190.6/47

Right: -1.352+/-0.407 χ^2/NDF: 229.6/37

In: -1.619+/-0.272 χ^2/NDF:200.5/39

Out: -2.202+/-0.259 χ^2/NDF:219.7/45

All: -1.925+/-0.187 χ^2/NDF: 422.7/85



Right In: 22.384+/-0.635 χ^2/NDF: 3005.9/16

Left Out: 24.850+/-0.380 χ^2/NDF:2048.7/24

Right Out: 9.868+/-0.486 χ^2/NDF: 5443.8/20

Left In: 27.551+/-0.389 χ^2/NDF:881.9/22

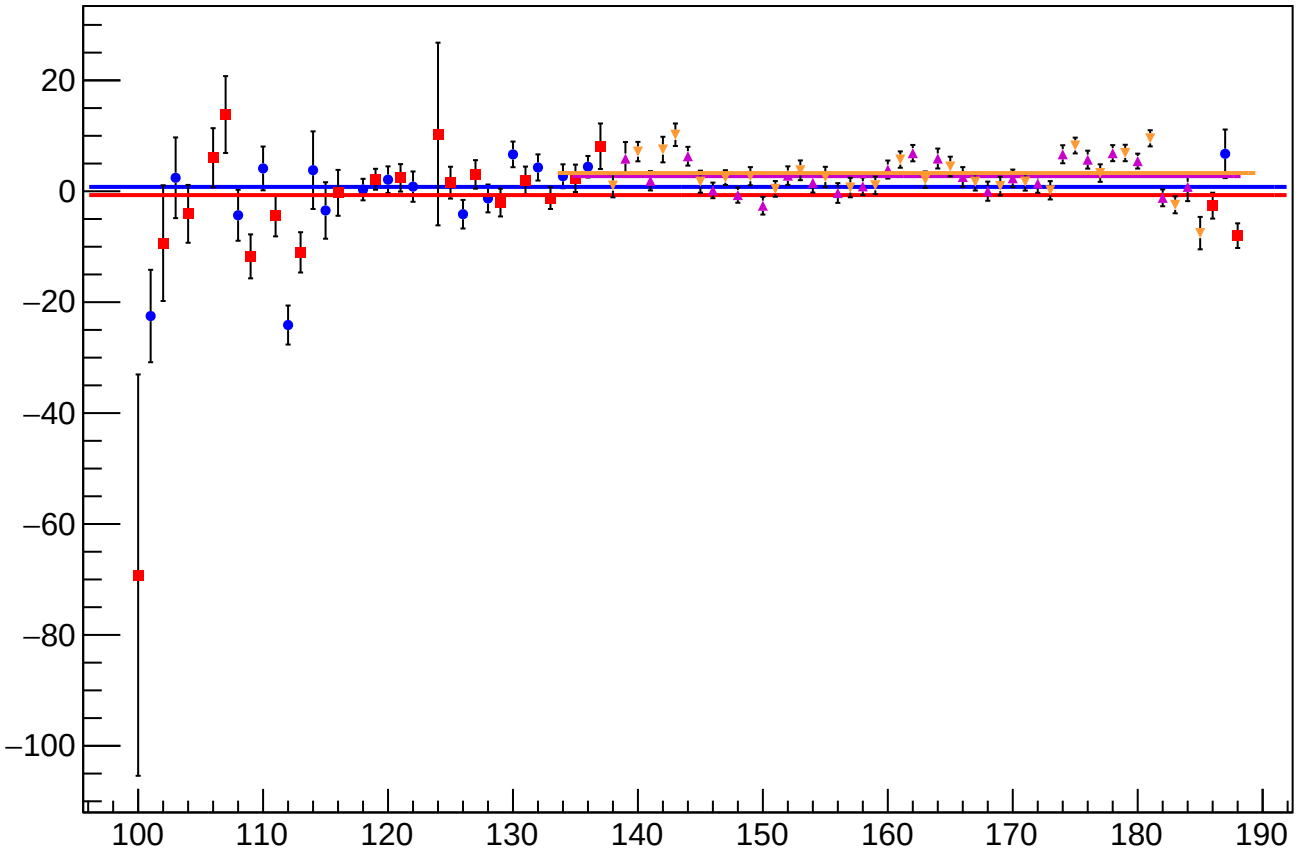
Left: 26.168+/-0.272 χ^2/NDF: 2955.3/47

Right: 14.494+/-0.386 χ^2/NDF: 8694.3/37

In: 26.143+/-0.332 χ^2/NDF:3935.8/39

Out: 19.177+/-0.299 χ^2/NDF:8081.8/45

All: 22.304+/-0.222 χ^2/NDF: 12260.7/85



Right In: 0.787+/-0.696 χ^2/NDF: 80.3/16

Left Out: 3.287+/-0.331 χ^2/NDF:106.3/24

Right Out: -0.689+/-0.662 χ^2/NDF: 53.7/20

Left In: 2.730+/-0.342 χ^2/NDF:74.5/22

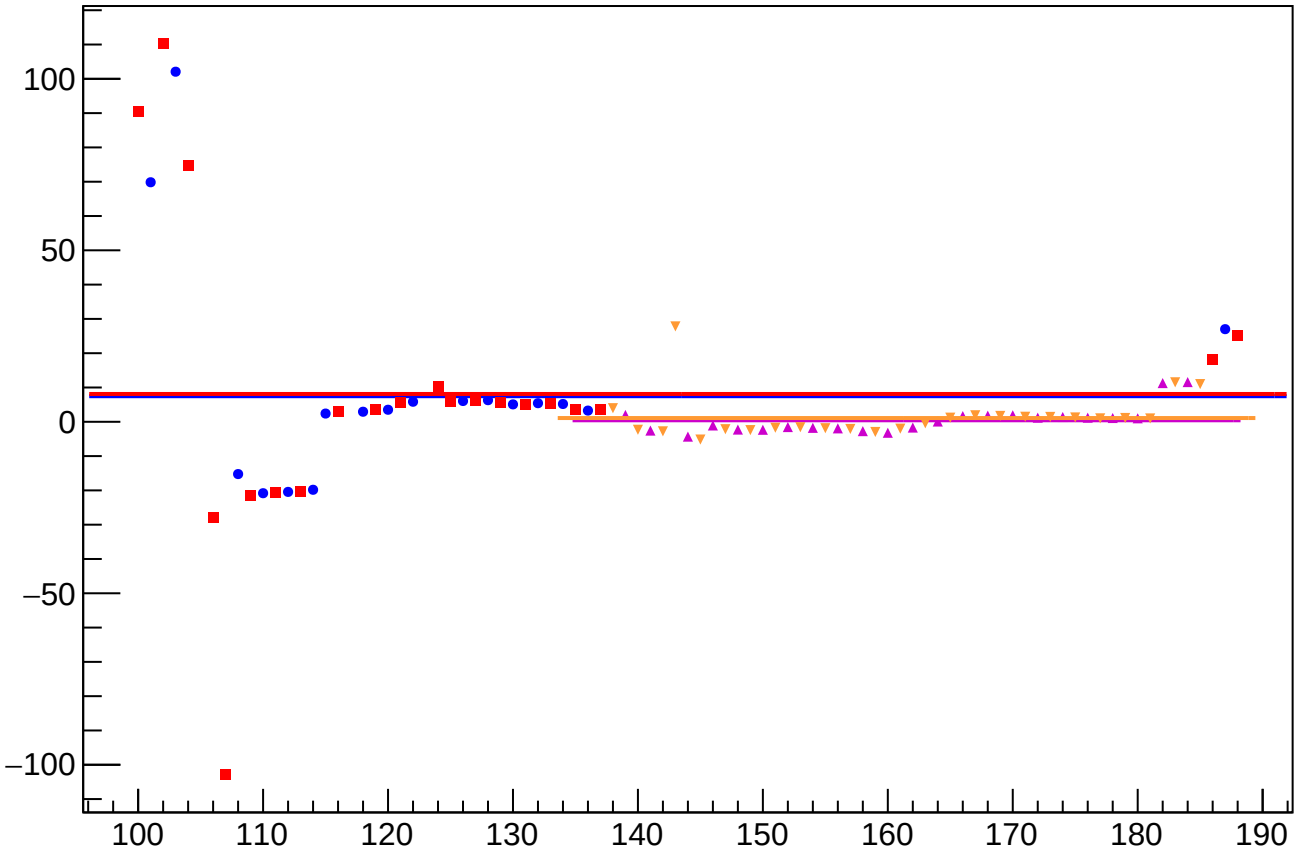
Left: 3.017+/-0.238 χ^2/NDF: 182.1/47

Right: 0.012+/-0.480 χ^2/NDF: 136.4/37

In: 2.351+/-0.307 χ^2/NDF:161.1/39

Out: 2.491+/-0.296 χ^2/NDF:188.8/45

All: 2.423+/-0.213 χ^2/NDF: 350.0/85



Right In: 7.464+/-0.042 χ^2/NDF: 327831.8/16

Left Out: 1.094+/-0.015 χ^2/NDF:128801.7/24

Right Out: 8.110+/-0.041 χ^2/NDF: 470535.4/20

Left In: 0.443+/-0.015 χ^2/NDF:53446.3/22

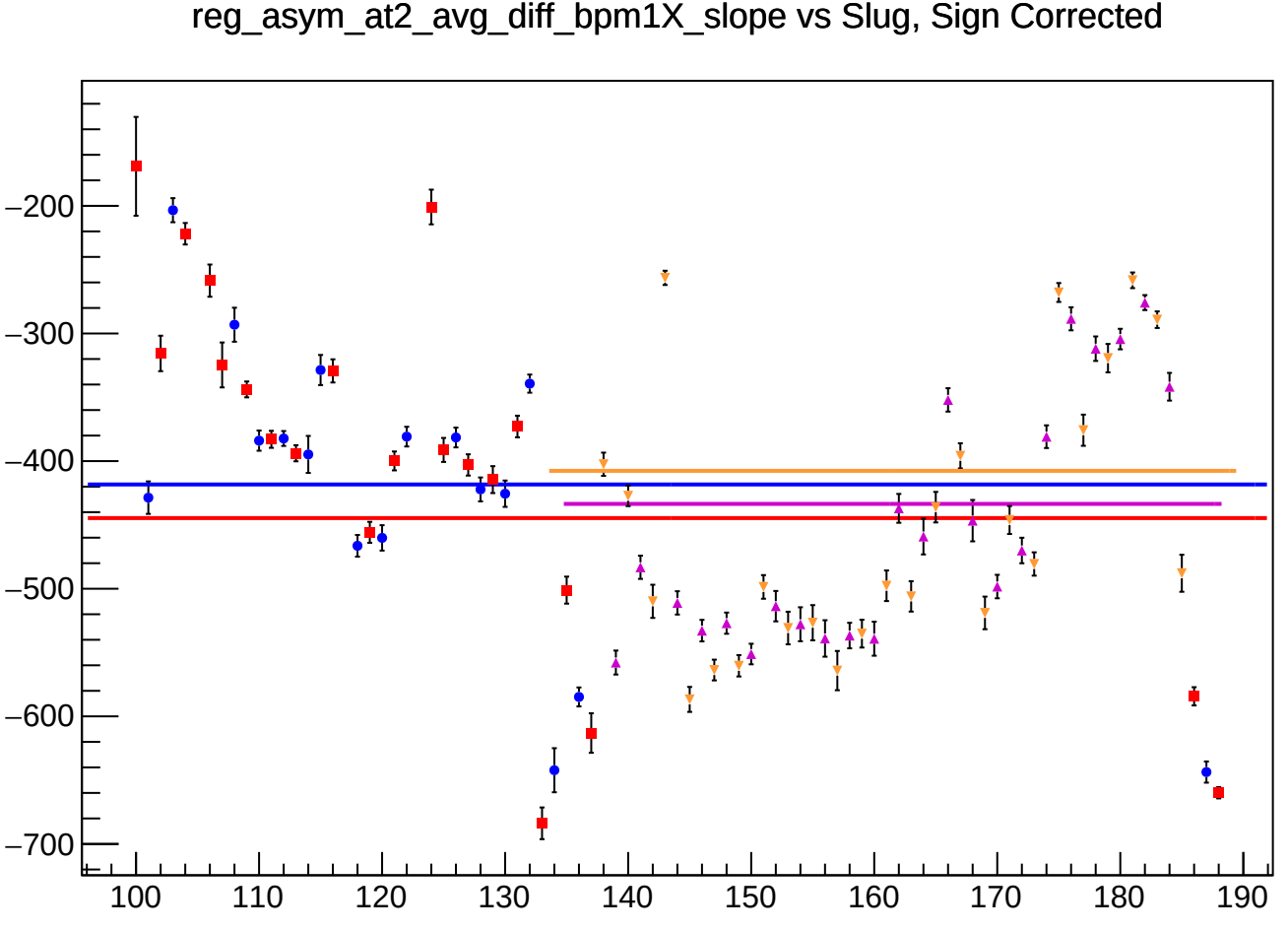
Left: 0.774+/-0.011 χ^2/NDF: 183195.5/47

Right: 7.794+/-0.029 χ^2/NDF: 798487.2/37

In: 1.239+/-0.014 χ^2/NDF:405846.8/39

Out: 1.898+/-0.014 χ^2/NDF:624958.1/45

All: 1.574+/-0.010 χ^2/NDF: 1031899.0/85



Right In: -418.304+/-2.159 χ^2/NDF: 2353.3/16

Left Out: -407.620+/-1.868 χ^2/NDF:4005.6/24

Right Out: -444.630+/-1.847 χ^2/NDF: 5470.9/20

Left In: -433.529+/-1.993 χ^2/NDF:2724.5/22

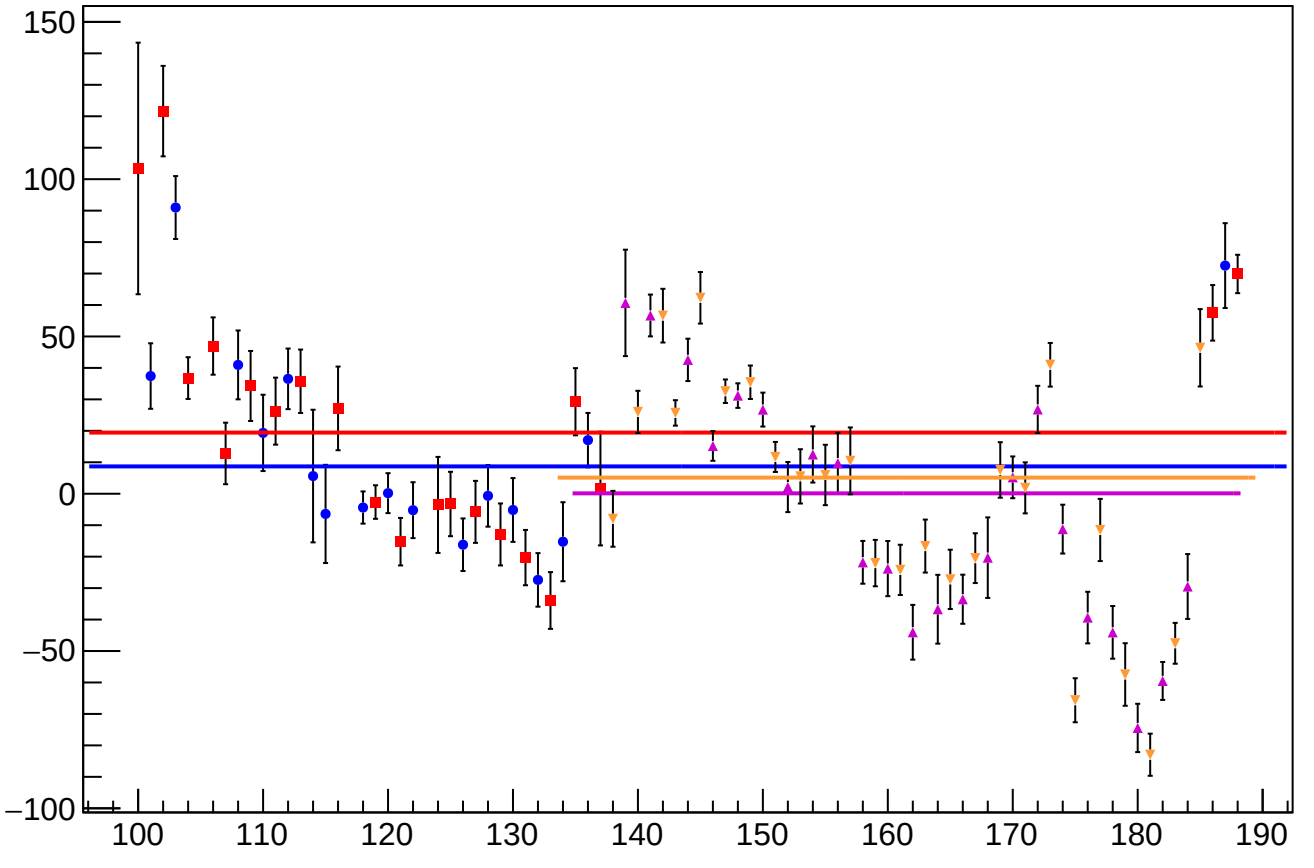
Left: -419.735+/-1.363 χ^2/NDF: 6820.1/47

Right: -433.503+/-1.404 χ^2/NDF: 7910.0/37

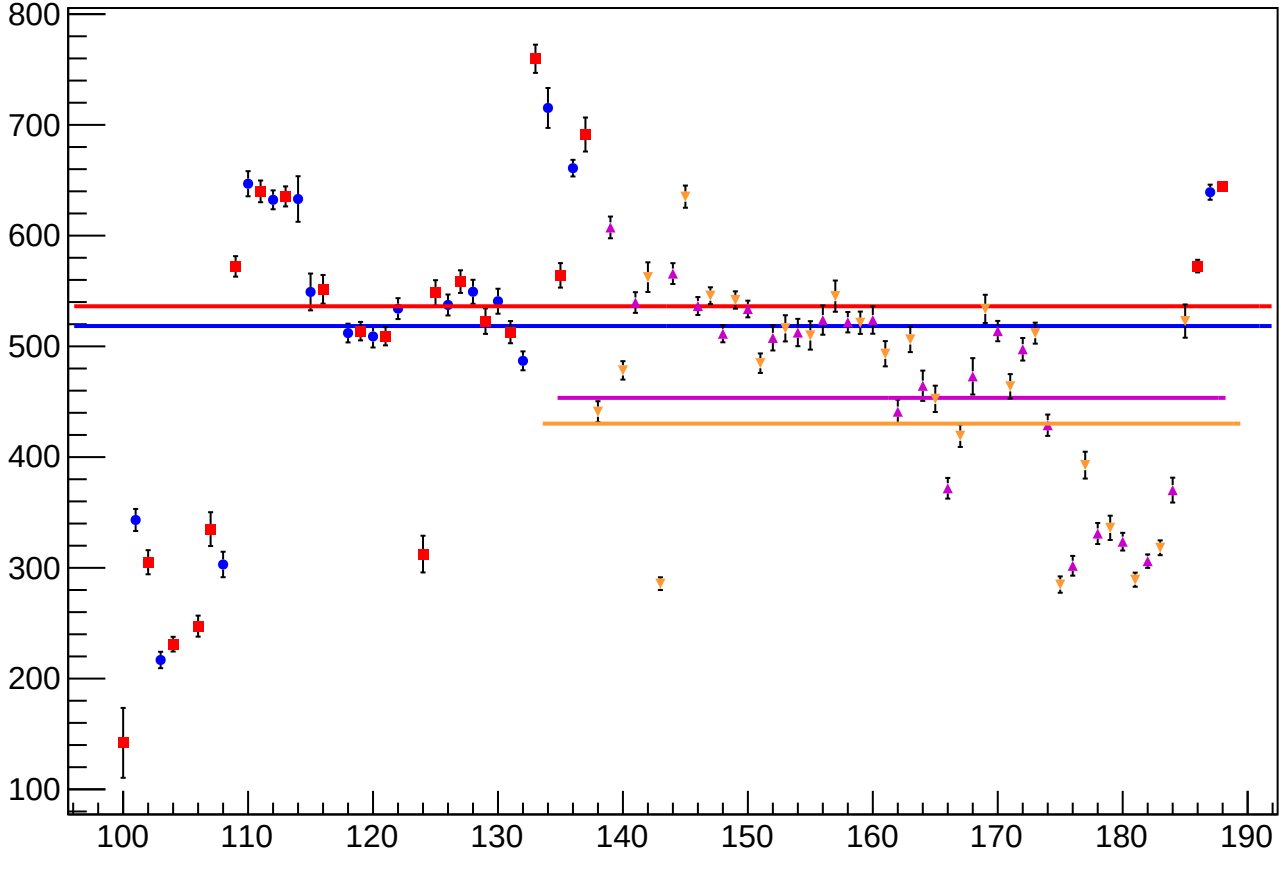
In: -426.524+/-1.465 χ^2/NDF:5104.7/39

Out: -426.329+/-1.313 χ^2/NDF:9675.0/45

All: -426.416+/-0.978 χ^2/NDF: 14779.7/85


reg_asym_at2_avg_diff_bpm4aY_slope vs Slug, Sign Corrected
150
100
50
0
−50
−100
100
110
120
130
140
150
160
170
180
190
Right In: 8.688+/-2.233 χ²/NDF: 161.5/16
Left Out: 5.125+/-1.379 χ²/NDF:689.2/24
Right Out: 19.442+/-2.013 χ²/NDF: 283.4/20
Left In: 0.124+/-1.489 χ²/NDF:568.6/22
Left: 2.817+/-1.012 χ²/NDF: 1263.8/47
Right: 14.622+/-1.495 χ²/NDF: 457.6/37
In: 2.761+/-1.239 χ²/NDF:740.2/39
Out: 9.698+/-1.137 χ²/NDF:1007.0/45
All: 6.525+/-0.838 χ²/NDF: 1764.2/85

reg_asym_at2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 518.355+/-2.341 χ^2/NDF: 3491.0/16

Left Out: 430.238+/-1.861 χ^2/NDF:3405.1/24

Right Out: 536.204+/-1.874 χ^2/NDF: 5677.3/20

Left In: 453.496+/-1.974 χ^2/NDF:2419.7/22

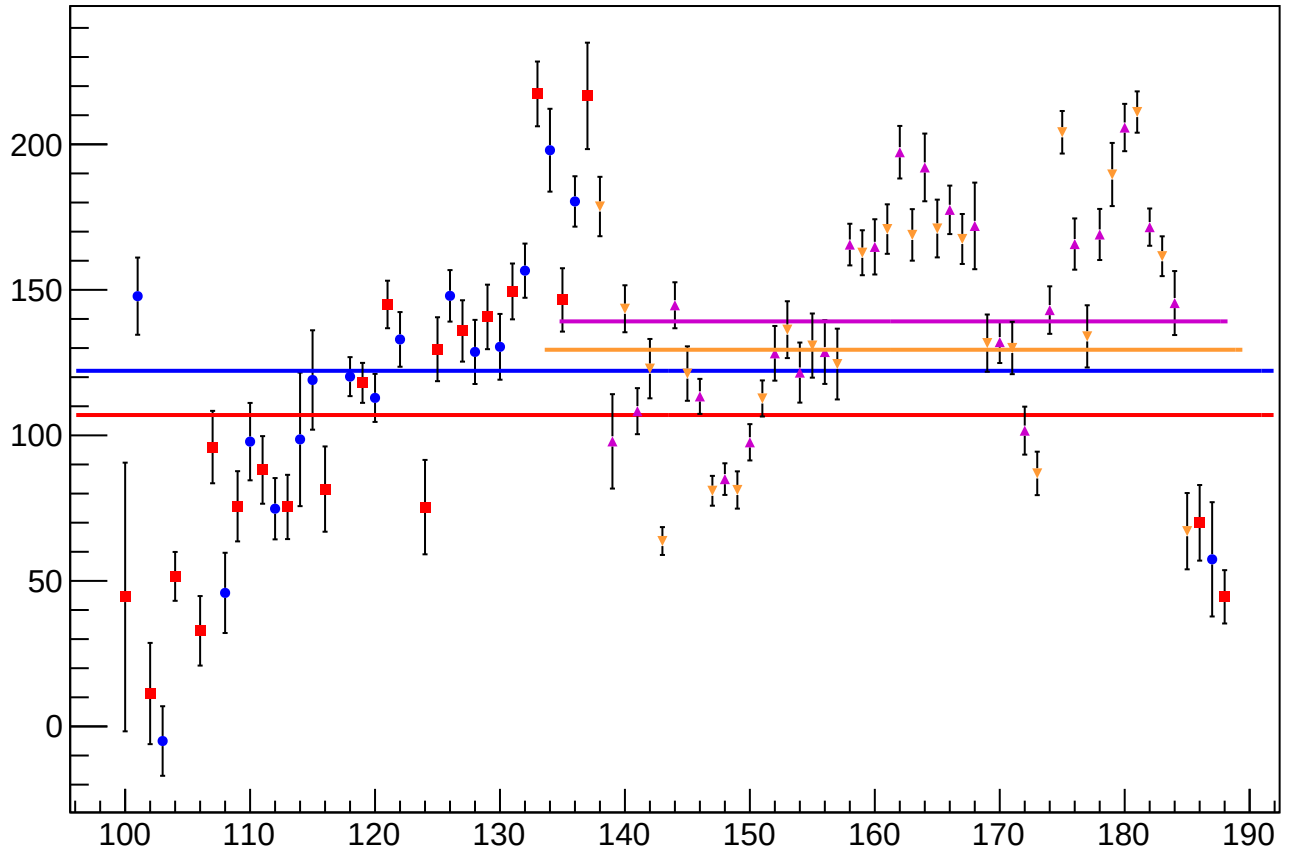
Left: 441.183+/-1.354 χ^2/NDF: 5898.2/47

Right: 529.236+/-1.463 χ^2/NDF: 9203.7/37

In: 480.441+/-1.509 χ^2/NDF:6359.2/39

Out: 482.862+/-1.320 χ^2/NDF:10692.3/45

All: 481.812+/-0.994 χ^2/NDF: 17053.0/85



Right In: 122.184+/-2.604 χ^2/NDF: 282.4/16

Left Out: 129.418+/-1.593 χ^2/NDF:814.3/24

Right Out: 106.992+/-2.409 χ^2/NDF: 406.4/20

Left In: 139.163+/-1.705 χ^2/NDF:434.2/22

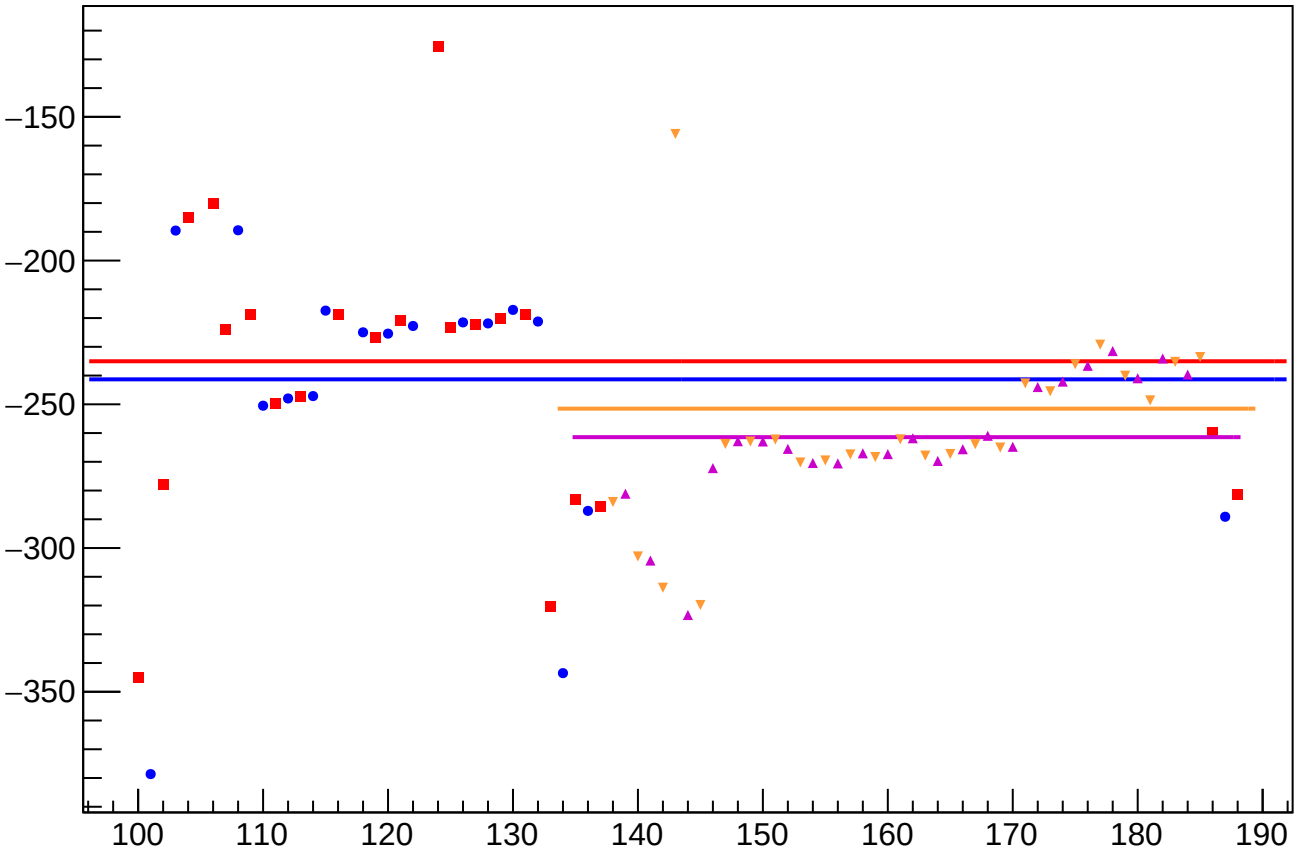
Left: 133.959+/-1.164 χ^2/NDF: 1265.9/47

Right: 114.000+/-1.768 χ^2/NDF: 707.2/37

In: 134.068+/-1.426 χ^2/NDF:746.4/39

Out: 122.599+/-1.329 χ^2/NDF:1281.0/45

All: 127.928+/-0.972 χ^2/NDF: 2062.0/85



Right In: -241.316+/-0.149 χ^2/NDF: 136094.9/16

Left Out: -251.508+/-0.075 χ^2/NDF:254924.4/24

Right Out: -235.024+/-0.139 χ^2/NDF: 94296.1/20

Left In: -261.425+/-0.078 χ^2/NDF:69557.7/22

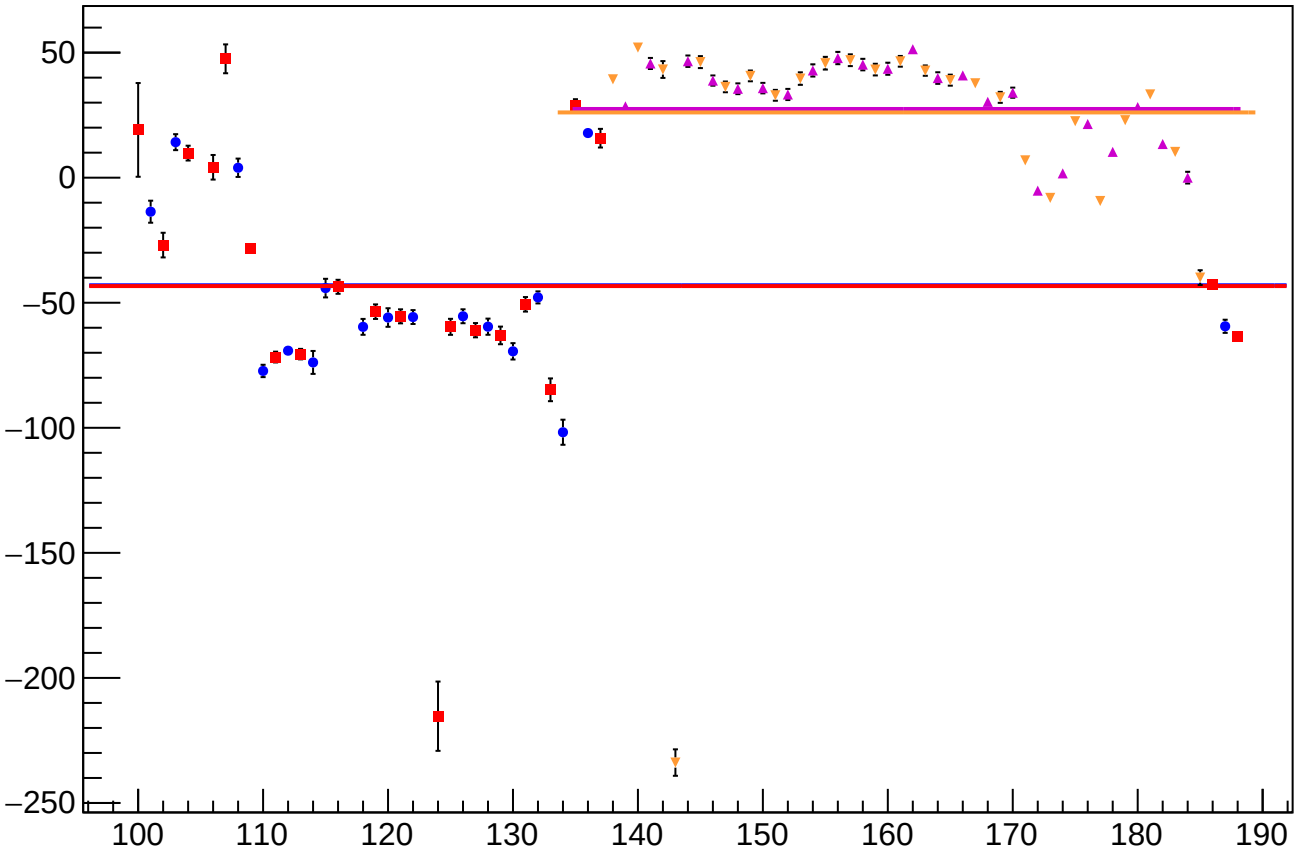
Left: -256.253+/-0.054 χ^2/NDF: 332939.5/47

Right: -237.941+/-0.102 χ^2/NDF: 231345.0/37

In: -257.120+/-0.069 χ^2/NDF:219926.9/39

Out: -247.810+/-0.066 χ^2/NDF:360176.5/45

All: -252.234+/-0.048 χ^2/NDF: 589646.5/85



Right In: -43.026+/-0.697 χ^2/NDF: 2447.2/16

Left Out: 26.087+/-0.390 χ^2/NDF:4785.1/24

Right Out: -43.335+/-0.580 χ^2/NDF: 2693.8/20

Left In: 27.466+/-0.396 χ^2/NDF:1608.9/22

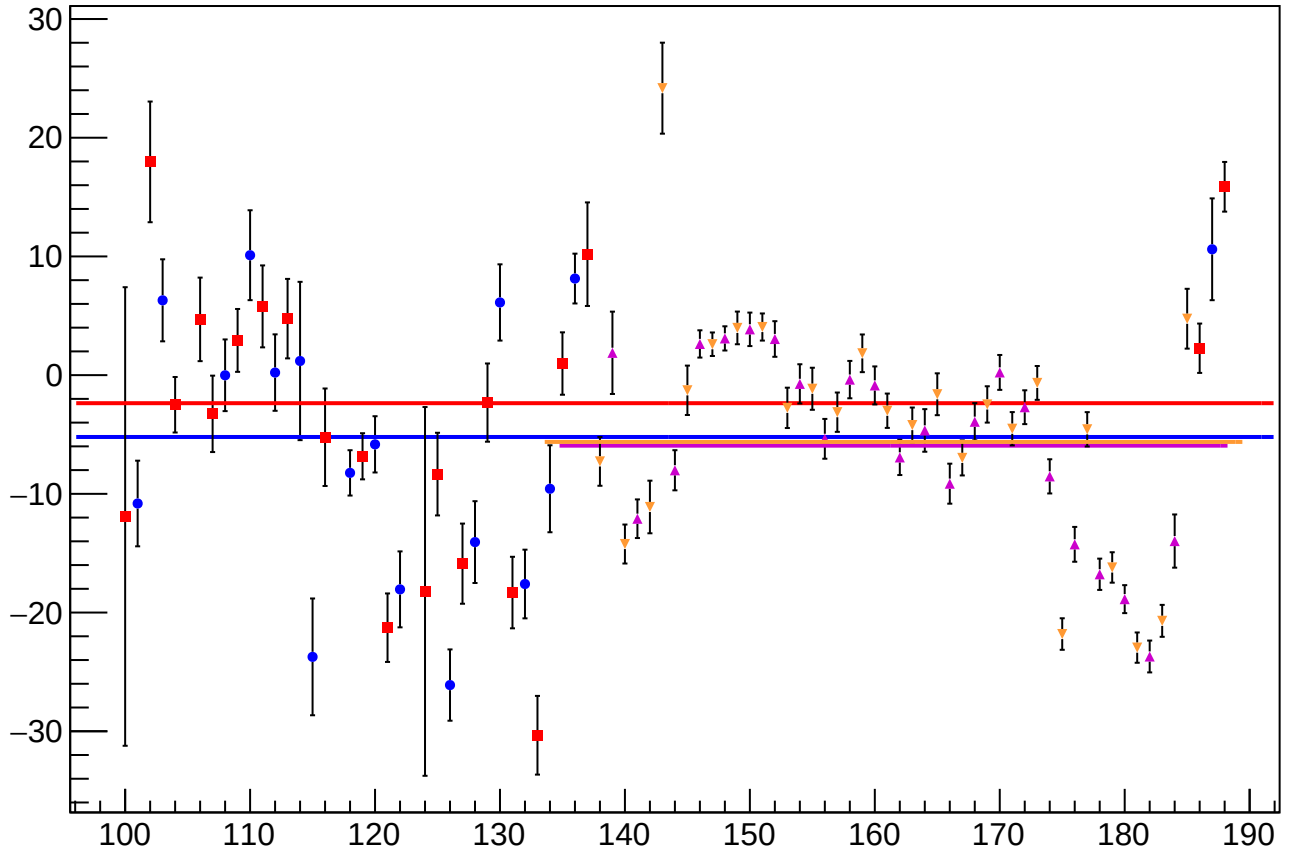
Left: 26.766+/-0.278 χ^2/NDF: 6400.2/47

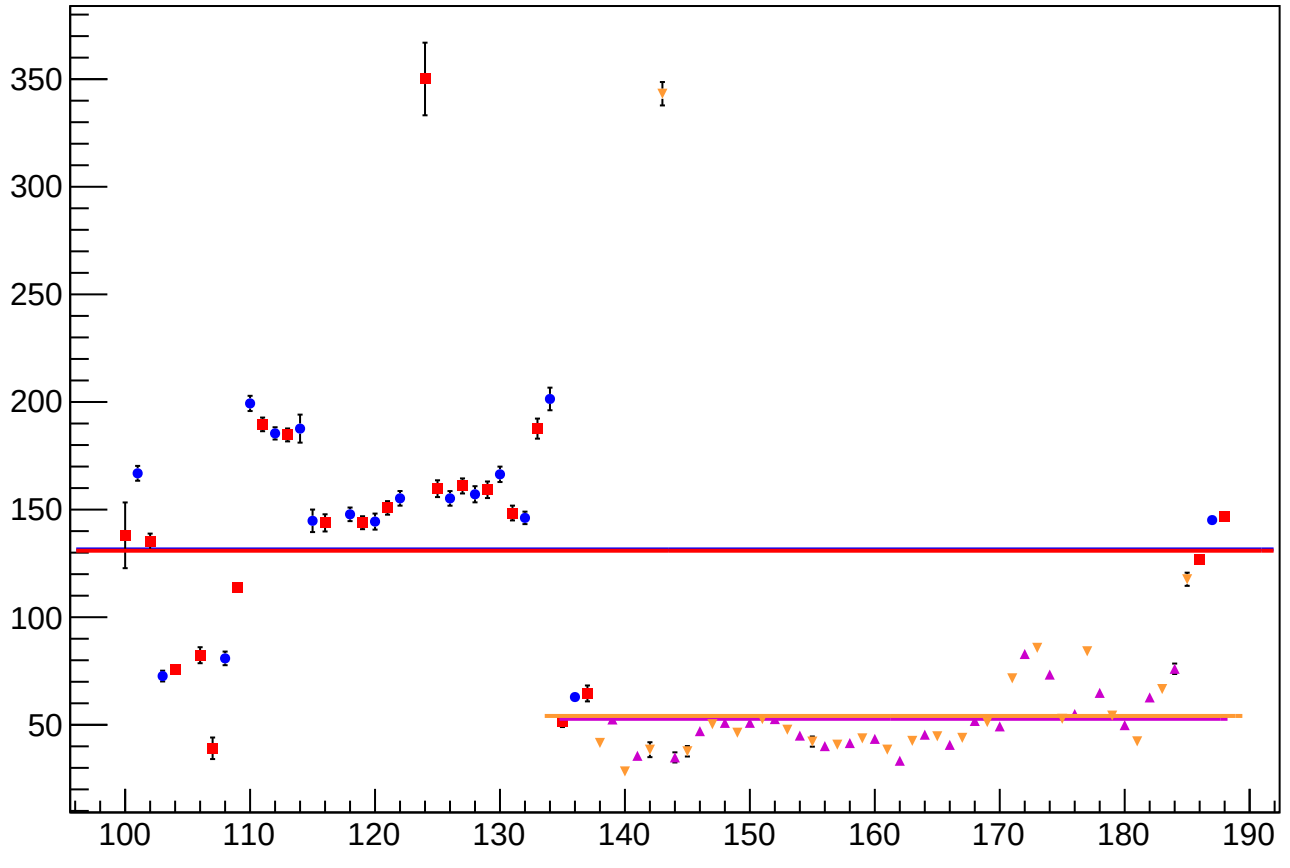
Right: -43.209+/-0.446 χ^2/NDF: 5141.1/37

In: 10.288+/-0.344 χ^2/NDF:11786.3/39

Out: 4.507+/-0.324 χ^2/NDF:17344.1/45

All: 7.219+/-0.236 χ^2/NDF: 29280.2/85


reg_asym_at2_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
30
20
10
0
−10
−20
−30
100
110
120
130
140
150
160
170
180
190
Right In: -5.210+/-0.742 χ²/NDF: 210.7/16
Left Out: -5.625+/-0.302 χ²/NDF:893.3/24
Right Out: -2.363+/-0.661 χ²/NDF: 293.1/20
Left In: -5.940+/-0.309 χ²/NDF:712.2/22
Left: -5.779+/-0.216 χ²/NDF: 1606.1/47
Right: -3.624+/-0.494 χ²/NDF: 512.1/37
In: -5.832+/-0.285 χ²/NDF:923.8/39
Out: -5.063+/-0.275 χ²/NDF:1206.6/45
All: -5.433+/-0.198 χ²/NDF: 2134.1/85



Right In: 131.493+/-0.751 χ^2/NDF: 3669.7/16

Left Out: 54.123+/-0.387 χ^2/NDF:4591.8/24

Right Out: 130.903+/-0.592 χ^2/NDF: 3736.0/20

Left In: 52.797+/-0.393 χ^2/NDF:978.1/22

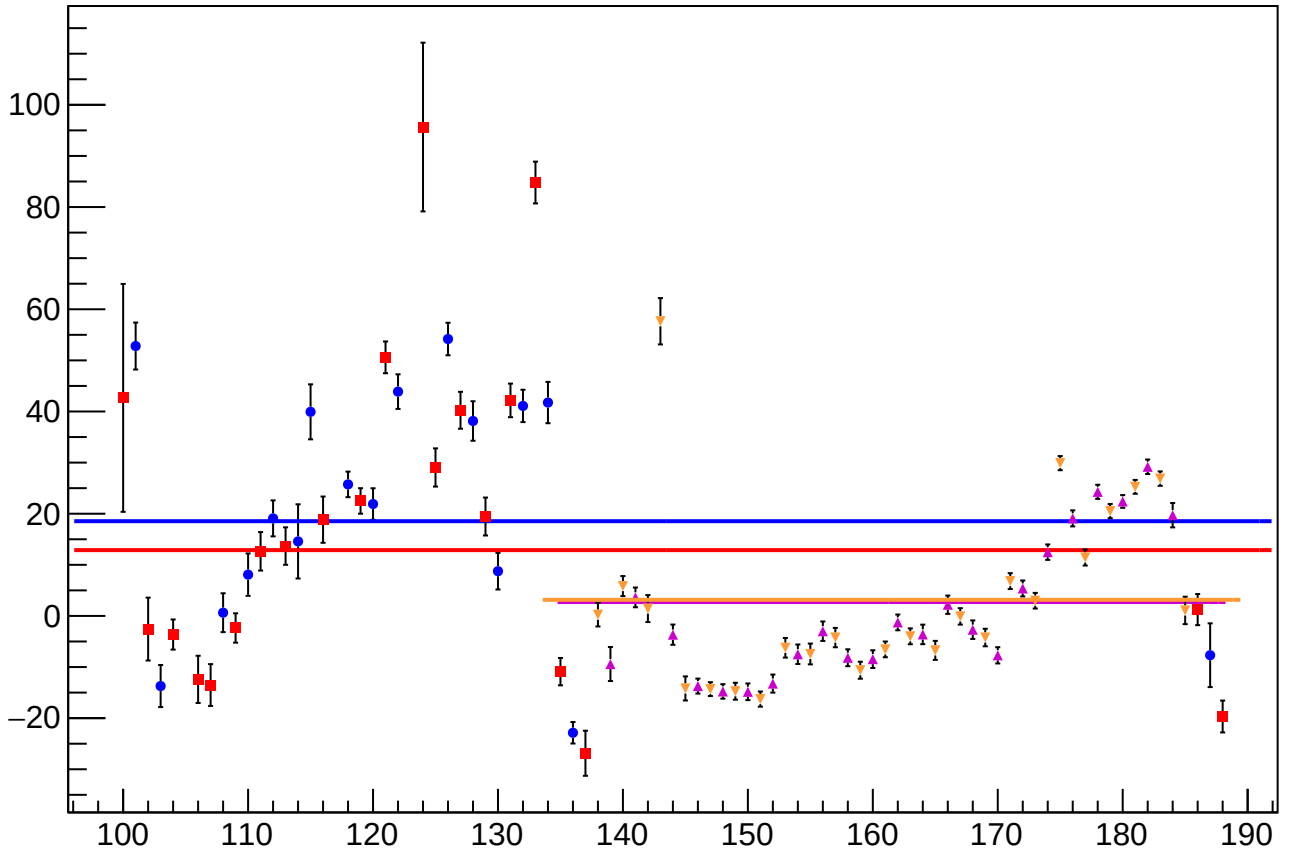
Left: 53.469+/-0.276 χ^2/NDF: 5575.7/47

Right: 131.129+/-0.465 χ^2/NDF: 7406.0/37

In: 69.695+/-0.348 χ^2/NDF:13275.7/39

Out: 77.113+/-0.324 χ^2/NDF:20096.8/45

All: 73.666+/-0.237 χ^2/NDF: 33615.8/85



Right In: 18.537+/-0.852 χ^2/NDF: 876.1/16

Left Out: 3.155+/-0.340 χ^2/NDF:2012.4/24

Right Out: 12.876+/-0.789 χ^2/NDF: 1080.1/20

Left In: 2.722+/-0.347 χ^2/NDF:1735.2/22

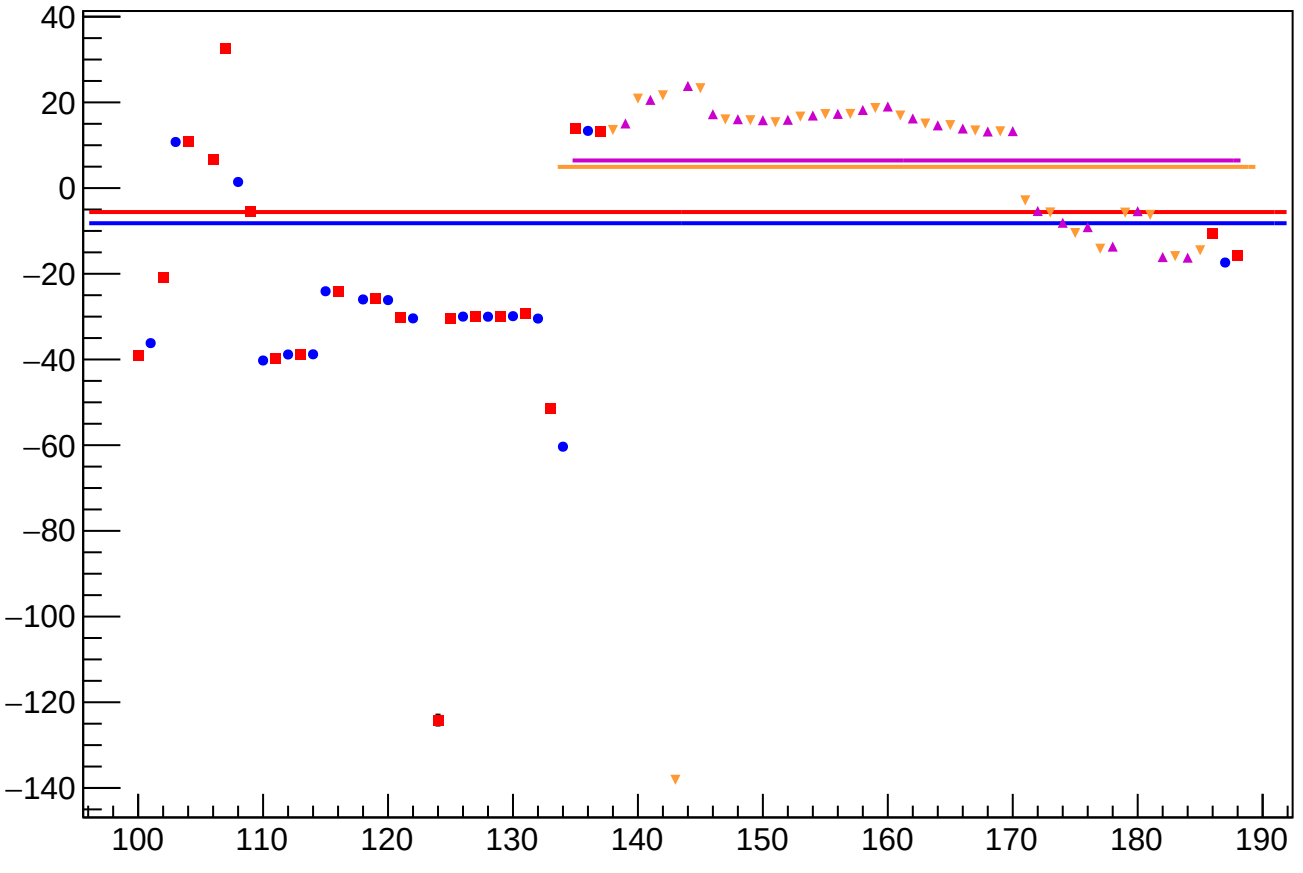
Left: 2.943+/-0.243 χ^2/NDF: 3748.4/47

Right: 15.489+/-0.579 χ^2/NDF: 1980.0/37

In: 4.969+/-0.321 χ^2/NDF:2906.9/39

Out: 4.678+/-0.312 χ^2/NDF:3220.7/45

All: 4.820+/-0.224 χ^2/NDF: 6128.1/85



Right In: -8.199+/-0.045 χ^2/NDF: 268603.2/16

Left Out: 4.946+/-0.015 χ^2/NDF:1136506.7/24

Right Out: -5.591+/-0.044 χ^2/NDF: 233648.1/20

Left In: 6.444+/-0.015 χ^2/NDF:729692.1/22

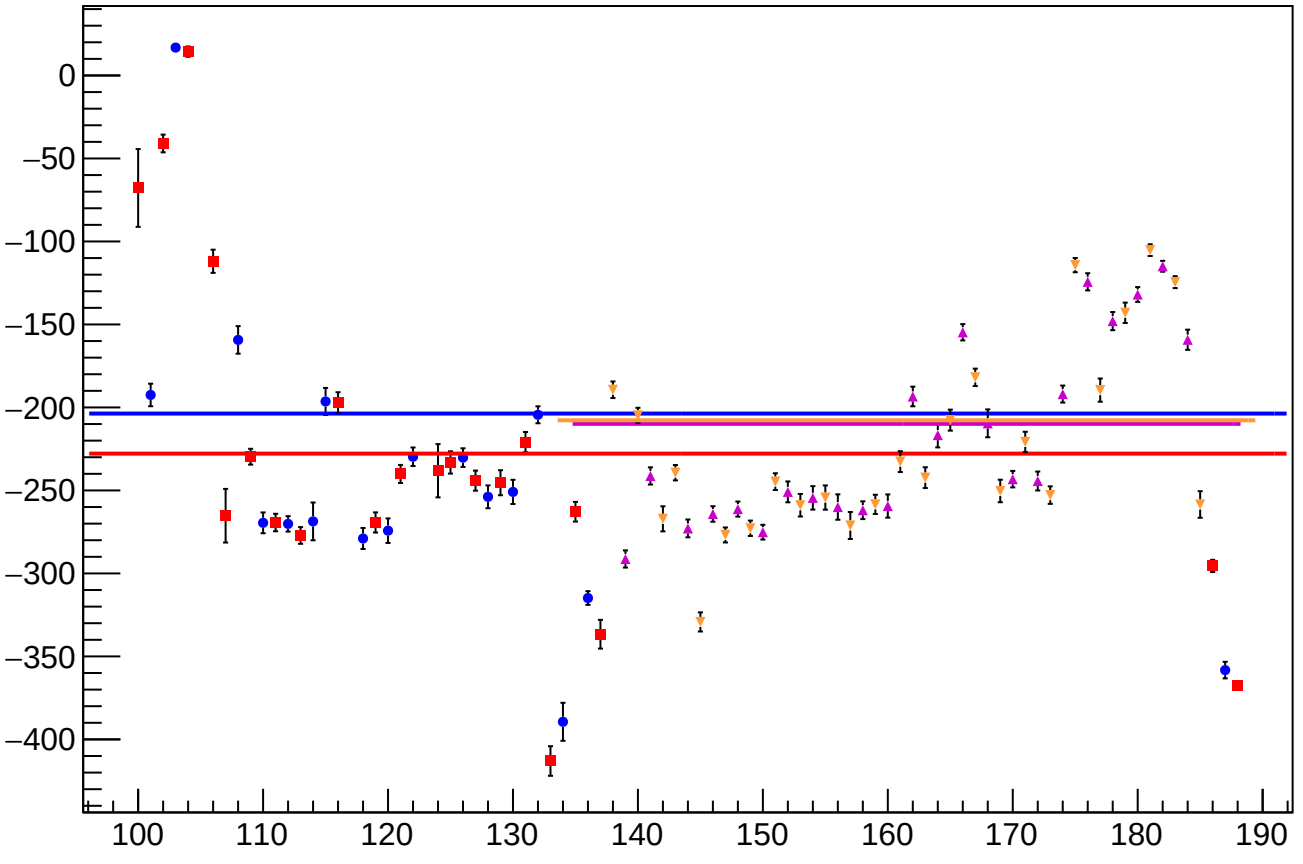
Left: 5.689+/-0.011 χ^2/NDF: 1871009.0/47

Right: -6.851+/-0.032 χ^2/NDF: 503956.1/37

In: 4.946+/-0.015 χ^2/NDF:1091570.0/39

Out: 3.816+/-0.014 χ^2/NDF:1421571.6/45

All: 4.375+/-0.010 χ^2/NDF: 2516197.9/85



Right In: -203.687+/-1.365 χ^2/NDF: 8259.0/16

Left Out: -207.745+/-1.070 χ^2/NDF:3487.2/24

Right Out: -227.814+/-1.166 χ^2/NDF: 11577.5/20

Left In: -209.875+/-1.101 χ^2/NDF:3011.9/22

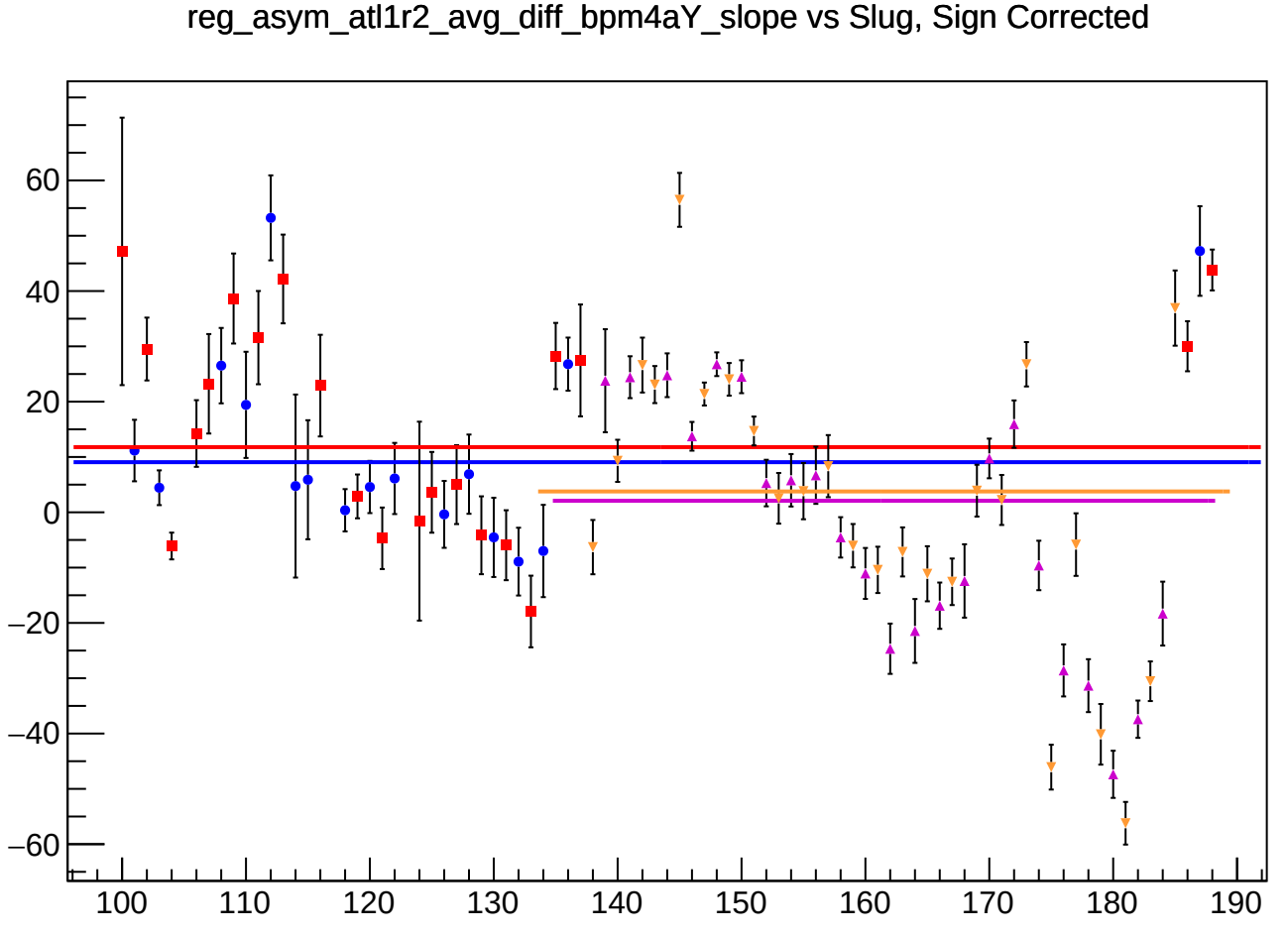
Left: -208.779+/-0.767 χ^2/NDF: 6500.9/47

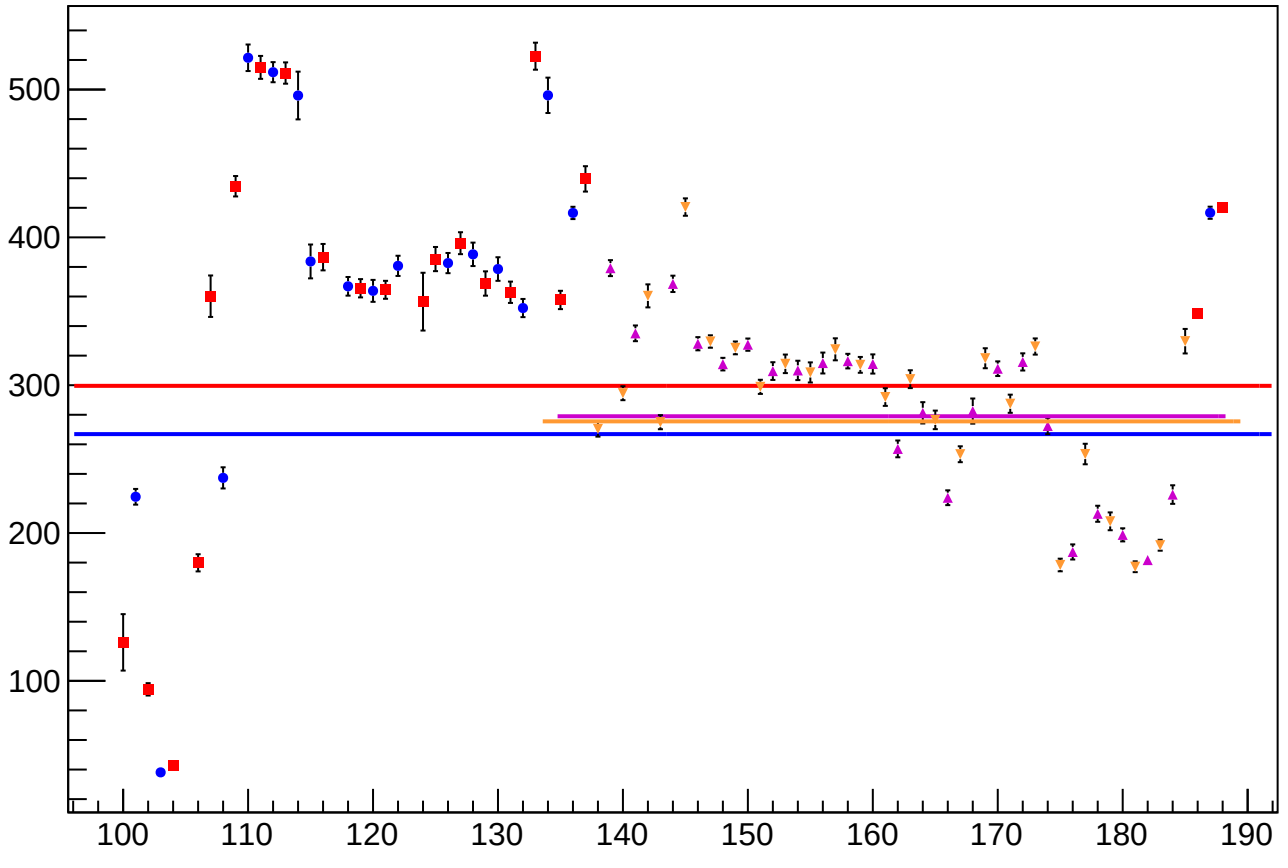
Right: -217.636+/-0.886 χ^2/NDF: 20017.2/37

In: -207.434+/-0.857 χ^2/NDF:11283.4/39

Out: -216.920+/-0.788 χ^2/NDF:15225.5/45

All: -212.573+/-0.580 χ^2/NDF: 26575.3/85


reg_asym_atl1r2_avg_diff_bpm4aY_slope vs Slug, Sign Corrected
60
40
20
0
−20
−40
−60
100
110
120
130
140
150
160
170
180
190
Right In: 9.062+/-1.416 χ²/NDF: 103.8/16
Left Out: 3.770+/-0.787 χ²/NDF:972.1/24
Right Out: 11.787+/-1.225 χ²/NDF: 252.5/20
Left In: 2.079+/-0.820 χ²/NDF:770.2/22
Left: 2.959+/-0.568 χ²/NDF: 1744.5/47
Right: 10.621+/-0.926 χ²/NDF: 358.5/37
In: 3.833+/-0.710 χ²/NDF:892.2/39
Out: 6.113+/-0.662 χ²/NDF:1254.9/45
All: 5.052+/-0.484 χ²/NDF: 2152.7/85



Right In: 266.911+/-1.343 χ^2/NDF: 16794.1/16

Left Out: 275.536+/-1.062 χ^2/NDF:3323.1/24

Right Out: 299.567+/-1.093 χ^2/NDF: 21049.6/20

Left In: 278.989+/-1.089 χ^2/NDF:3114.7/22

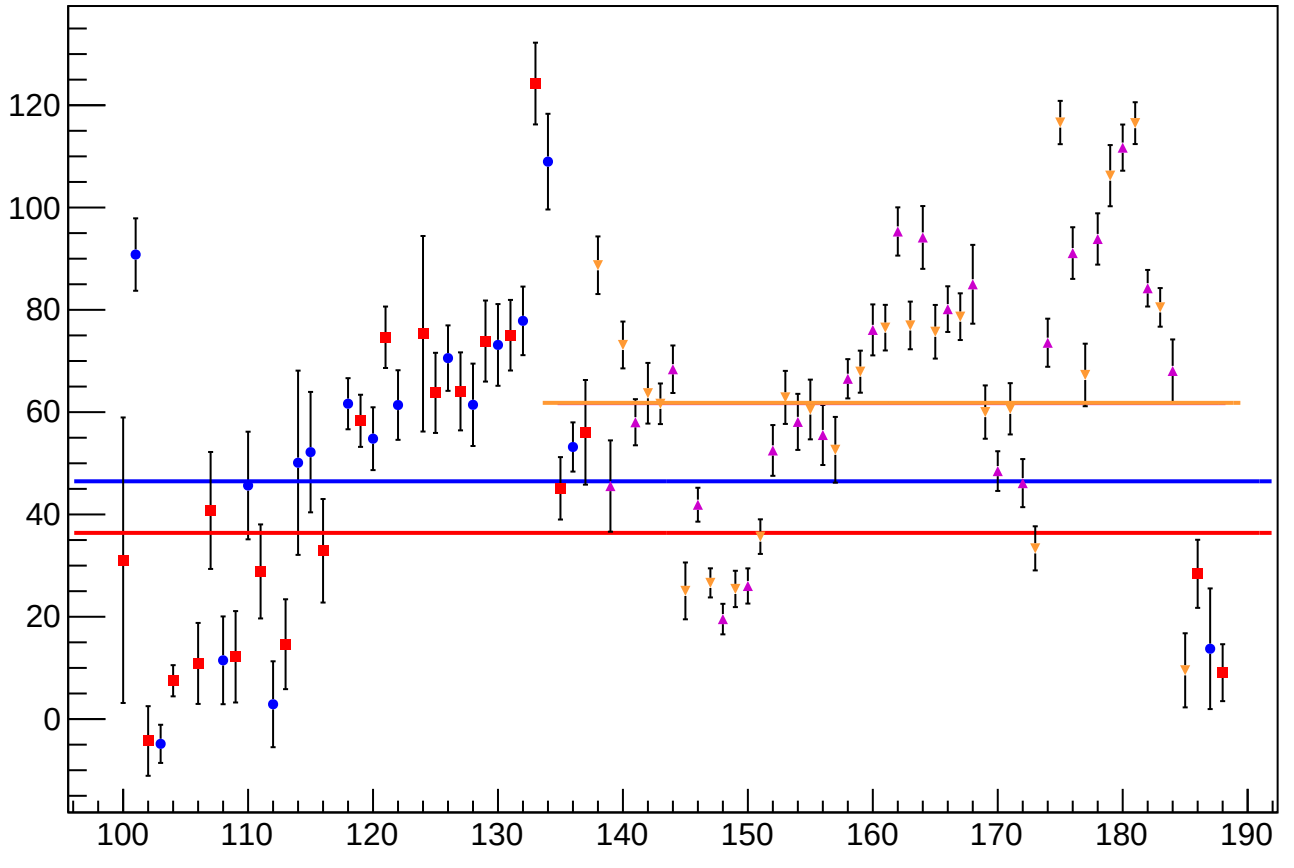
Left: 277.219+/-0.760 χ^2/NDF: 6443.0/47

Right: 286.563+/-0.848 χ^2/NDF: 38199.3/37

In: 274.200+/-0.846 χ^2/NDF:19957.5/39

Out: 287.208+/-0.762 χ^2/NDF:24621.5/45

All: 281.384+/-0.566 χ^2/NDF: 44709.6/85



Right In: 46.482+/-1.651 χ^2/NDF: 393.2/16

Left Out: 61.818+/-0.907 χ^2/NDF:959.5/24

Right Out: 36.397+/-1.495 χ^2/NDF: 444.9/20

Left In: 61.763+/-0.939 χ^2/NDF:736.0/22

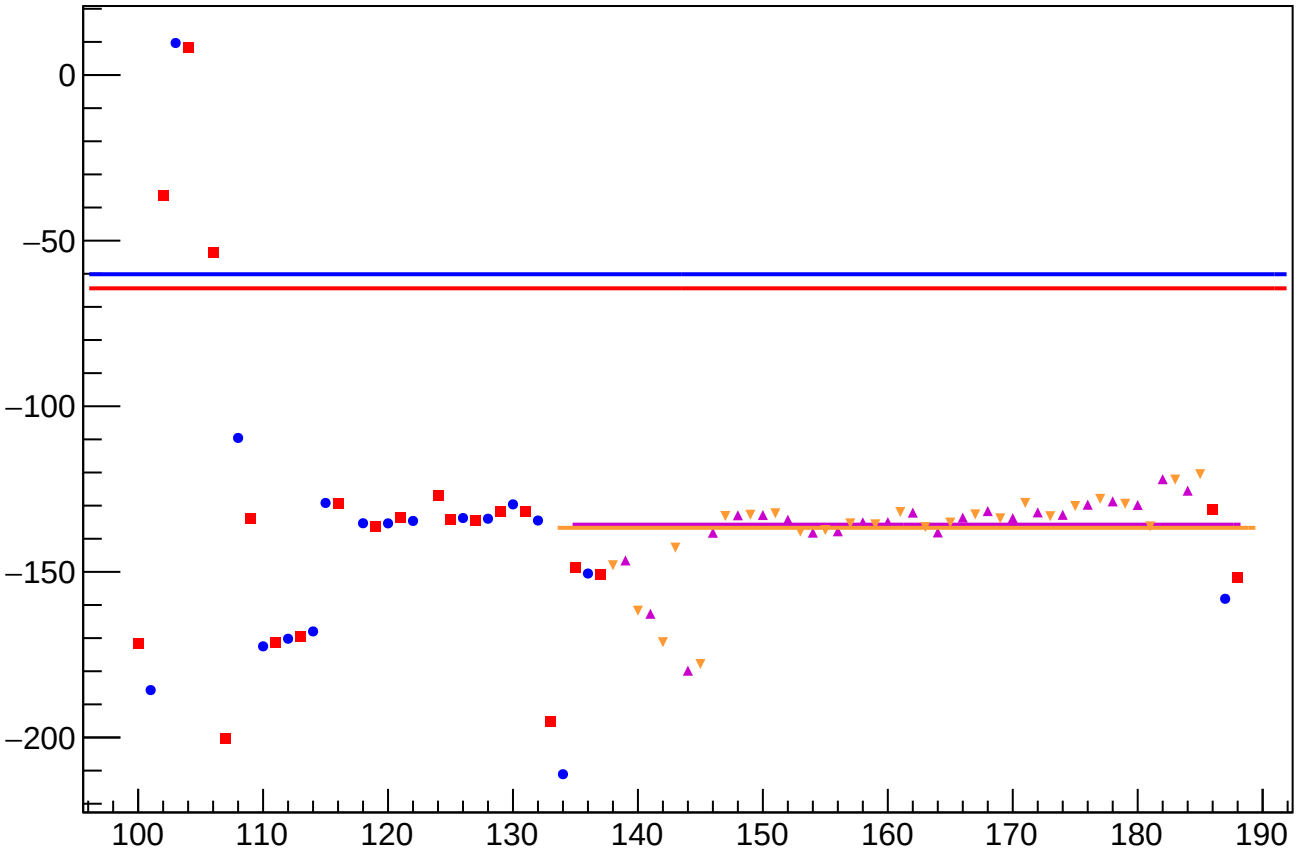
Left: 61.791+/-0.652 χ^2/NDF: 1695.5/47

Right: 40.939+/-1.108 χ^2/NDF: 858.6/37

In: 58.031+/-0.816 χ^2/NDF:1193.9/39

Out: 54.972+/-0.776 χ^2/NDF:1615.7/45

All: 56.424+/-0.562 χ^2/NDF: 2817.0/85



Right In: -60.141+/-0.072 χ^2/NDF: 1249377.8/16

Left Out: -136.695+/-0.042 χ^2/NDF:79006.9/24

Right Out: -64.393+/-0.071 χ^2/NDF: 983121.6/20

Left In: -135.745+/-0.043 χ^2/NDF:63681.9/22

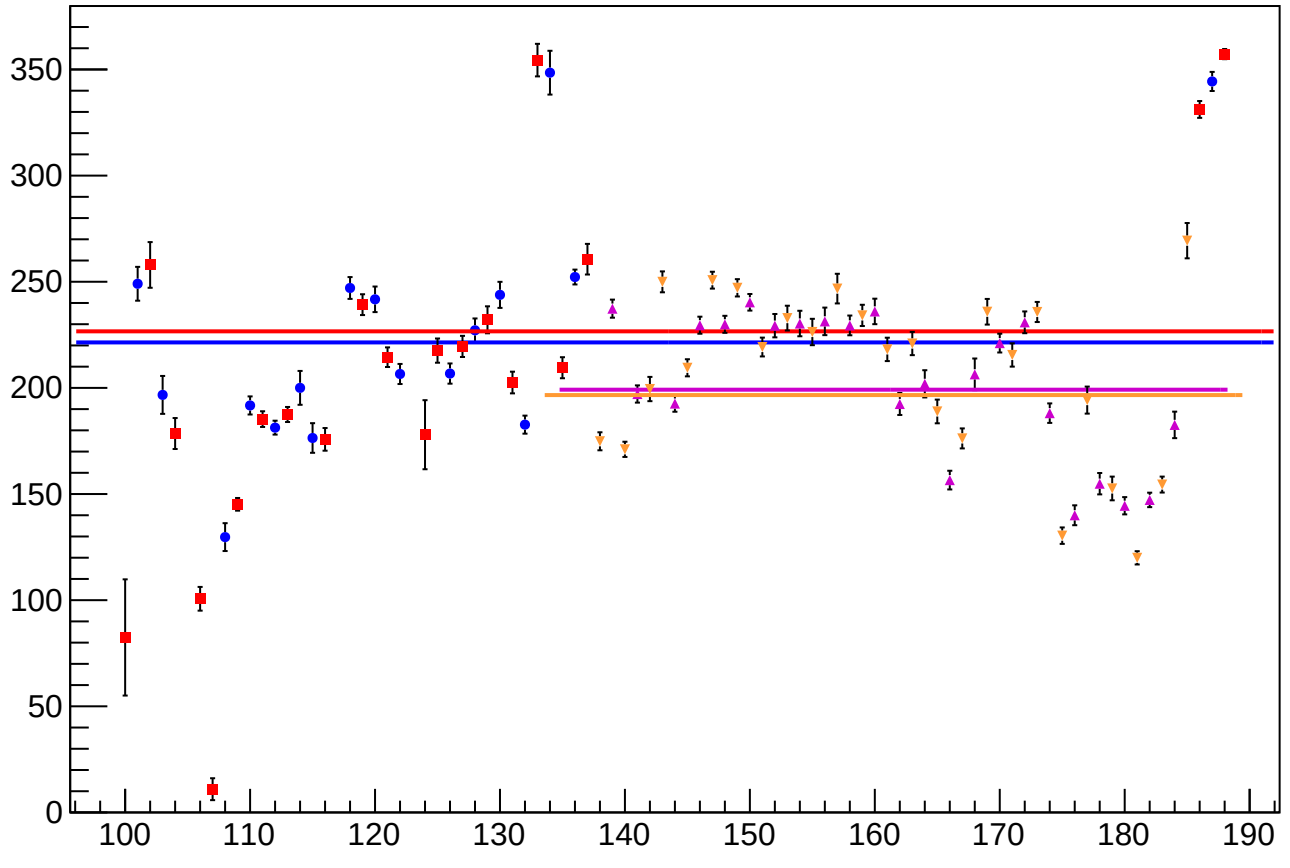
Left: -136.226+/-0.030 χ^2/NDF: 142938.0/47

Right: -62.293+/-0.051 χ^2/NDF: 2234255.7/37

In: -116.071+/-0.037 χ^2/NDF:2124877.5/39

Out: -117.909+/-0.036 χ^2/NDF:1823141.8/45

All: -117.002+/-0.026 χ^2/NDF: 3949281.0/85



Right In: 221.419+/-1.245 χ^2/NDF: 1592.7/16

Left Out: 196.615+/-0.946 χ^2/NDF:2075.5/24

Right Out: 226.640+/-1.031 χ^2/NDF: 7456.6/20

Left In: 199.153+/-0.973 χ^2/NDF:1294.6/22

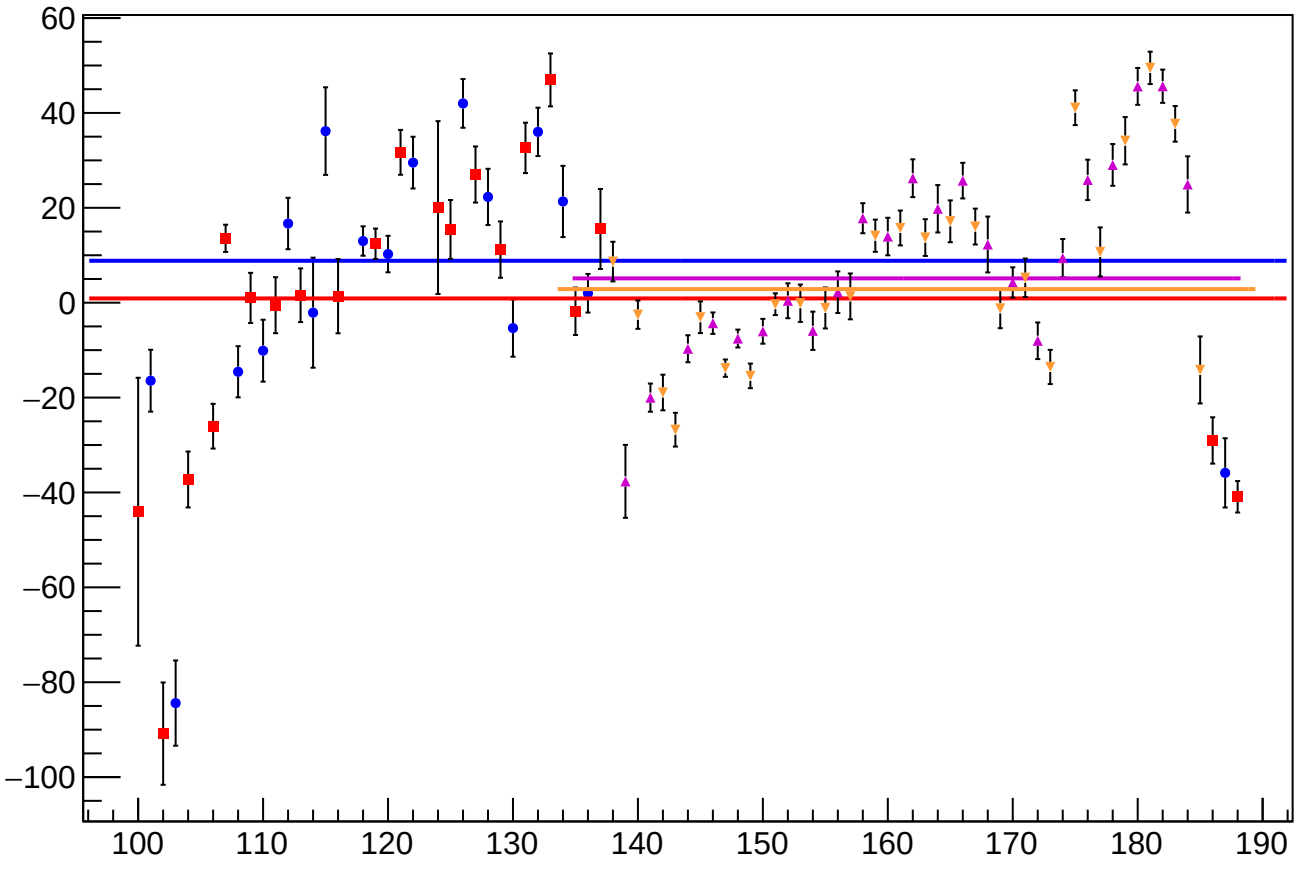
Left: 197.849+/-0.678 χ^2/NDF: 3373.6/47

Right: 224.515+/-0.794 χ^2/NDF: 9059.7/37

In: 207.593+/-0.767 χ^2/NDF:3085.9/39

Out: 210.339+/-0.697 χ^2/NDF:9992.2/45

All: 209.096+/-0.516 χ^2/NDF: 13085.1/85



Right In: 8.839+/-1.311 χ^2/NDF: 302.0/16

Left Out: 2.870+/-0.693 χ^2/NDF:752.8/24

Right Out: 0.899+/-1.118 χ^2/NDF: 557.1/20

Left In: 5.126+/-0.718 χ^2/NDF:628.6/22

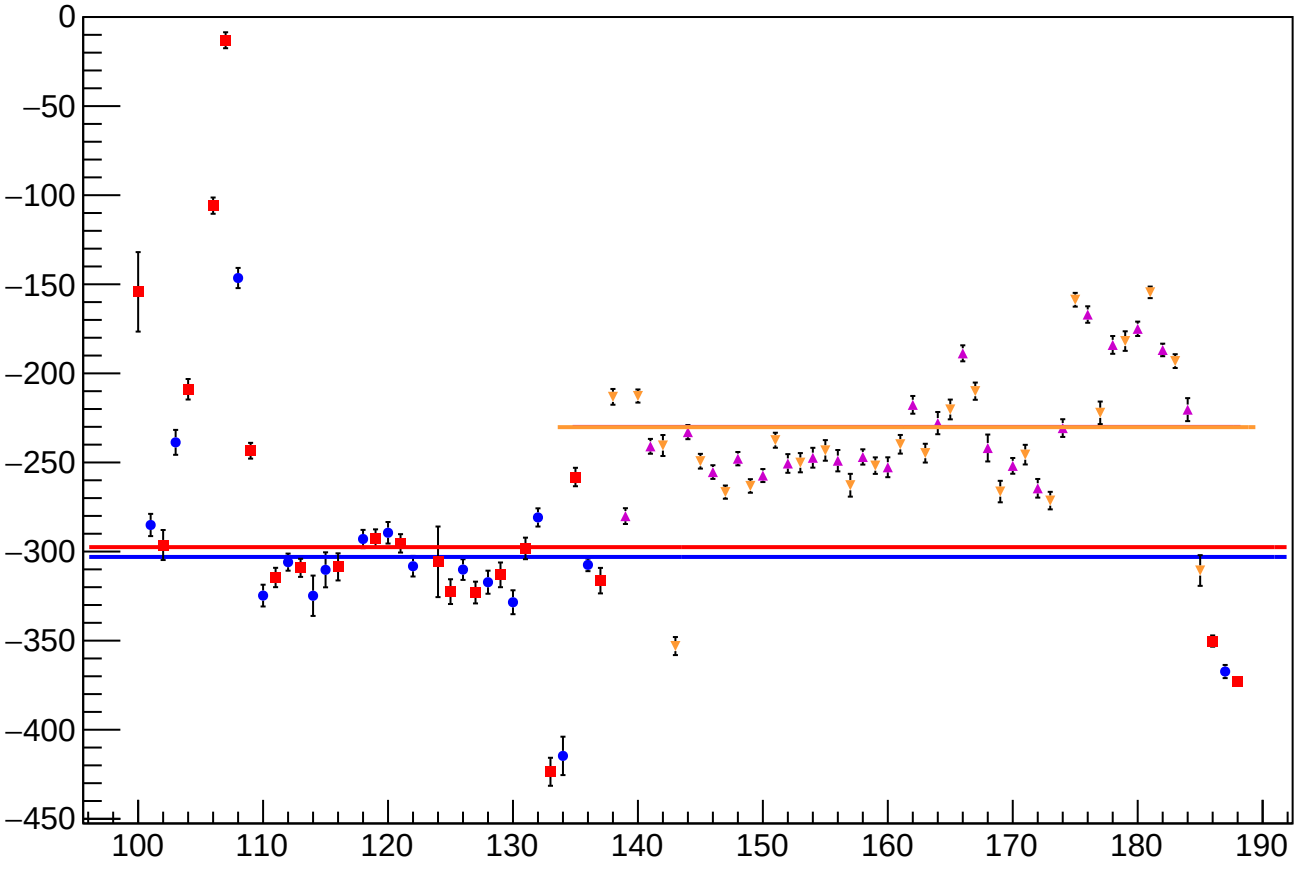
Left: 3.958+/-0.499 χ^2/NDF: 1386.5/47

Right: 4.243+/-0.851 χ^2/NDF: 880.3/37

In: 5.982+/-0.630 χ^2/NDF:936.8/39

Out: 2.324+/-0.589 χ^2/NDF:1312.1/45

All: 4.031+/-0.430 χ^2/NDF: 2266.9/85



Right In: -303.026+/-1.364 χ^2/NDF: 1334.6/16

Left Out: -230.182+/-0.939 χ^2/NDF:2181.9/24

Right Out: -297.516+/-1.051 χ^2/NDF: 8415.5/20

Left In: -230.047+/-0.961 χ^2/NDF:1094.0/22

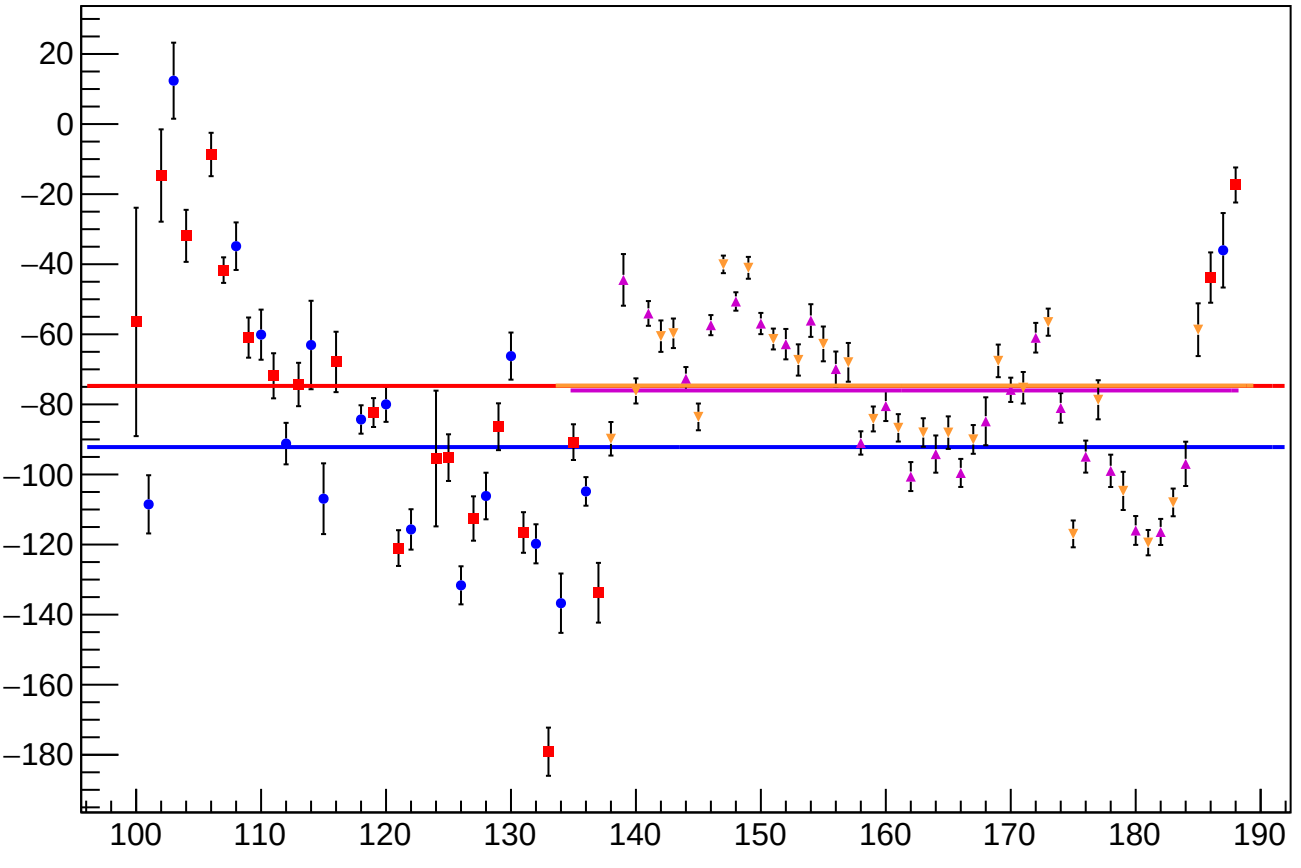
Left: -230.116+/-0.672 χ^2/NDF: 3275.9/47

Right: -299.569+/-0.832 χ^2/NDF: 9760.4/37

In: -254.260+/-0.786 χ^2/NDF:4342.0/39

Out: -260.074+/-0.700 χ^2/NDF:12880.2/45

All: -257.500+/-0.523 χ^2/NDF: 17252.8/85



Right In: -92.186+/-1.519 χ^2/NDF: 383.8/16

Left Out: -74.644+/-0.801 χ^2/NDF:831.0/24

Right Out: -74.727+/-1.345 χ^2/NDF: 882.3/20

Left In: -76.025+/-0.824 χ^2/NDF:646.0/22

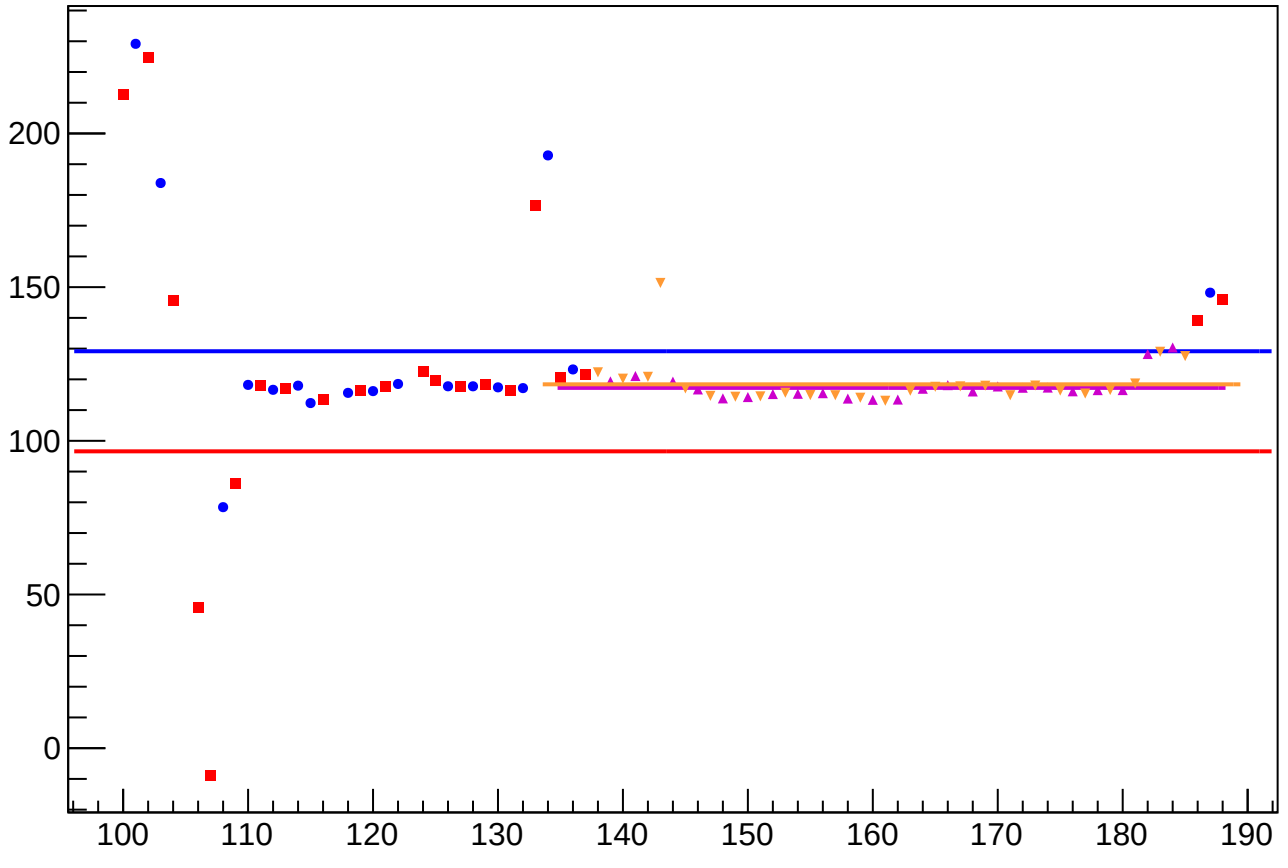
Left: -75.315+/-0.574 χ^2/NDF: 1478.5/47

Right: -82.404+/-1.007 χ^2/NDF: 1340.2/37

In: -79.702+/-0.724 χ^2/NDF:1117.3/39

Out: -74.666+/-0.688 χ^2/NDF:1713.3/45

All: -77.055+/-0.499 χ^2/NDF: 2856.1/85



Right In: 129.145+/-0.088 χ^2/NDF: 184577.7/16

Left Out: 118.382+/-0.037 χ^2/NDF:34938.1/24

Right Out: 96.578+/-0.075 χ^2/NDF: 649272.8/20

Left In: 117.225+/-0.038 χ^2/NDF:10227.9/22

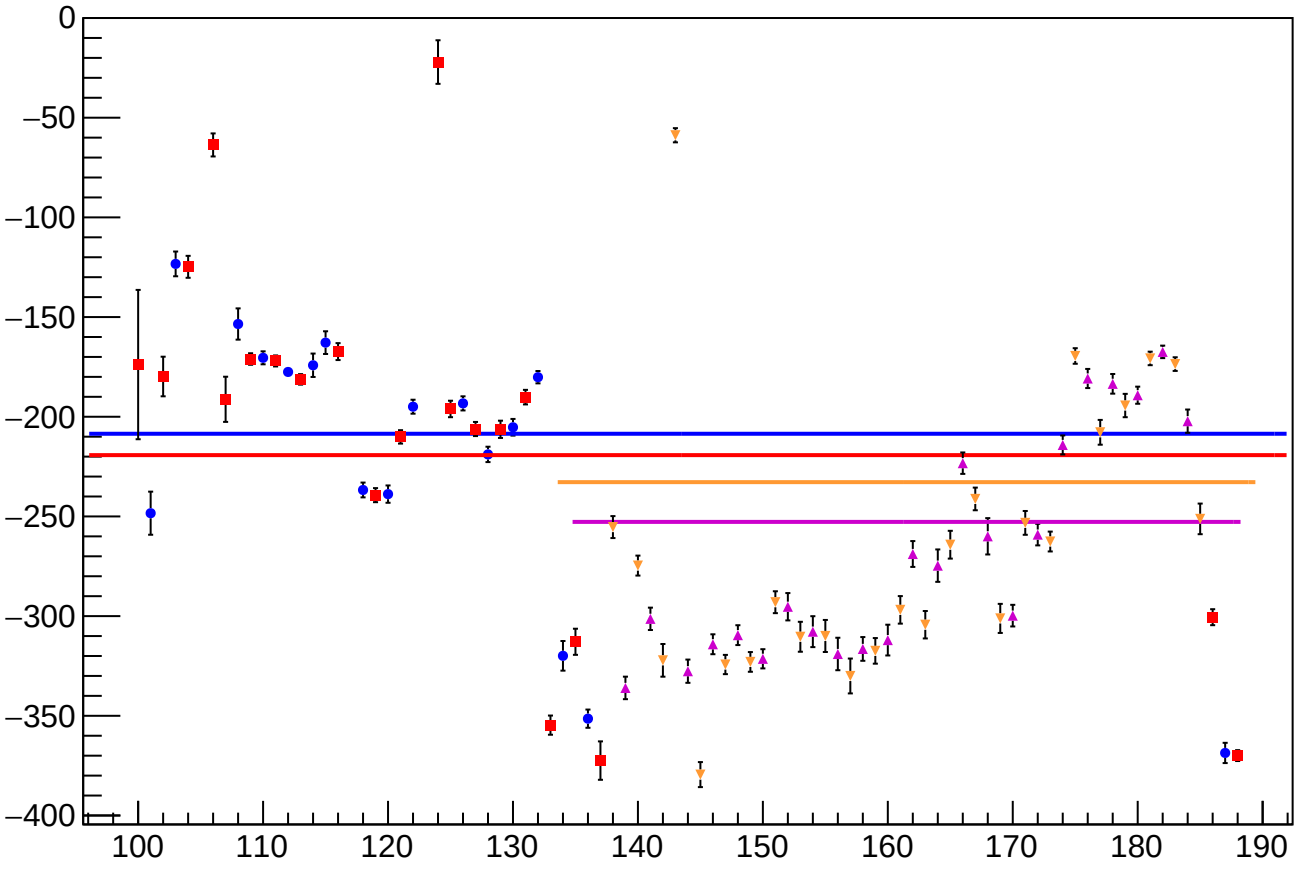
Left: 117.809+/-0.026 χ^2/NDF: 45643.3/47

Right: 110.276+/-0.057 χ^2/NDF: 912938.9/37

In: 119.060+/-0.035 χ^2/NDF:210277.0/39

Out: 114.072+/-0.033 χ^2/NDF:751837.1/45

All: 116.479+/-0.024 χ^2/NDF: 972879.2/85



Right In: -208.530+/-1.004 χ^2/NDF: 3074.6/16

Left Out: -232.800+/-1.072 χ^2/NDF:5764.0/24

Right Out: -219.249+/-0.894 χ^2/NDF: 7155.9/20

Left In: -252.738+/-1.131 χ^2/NDF:2913.9/22

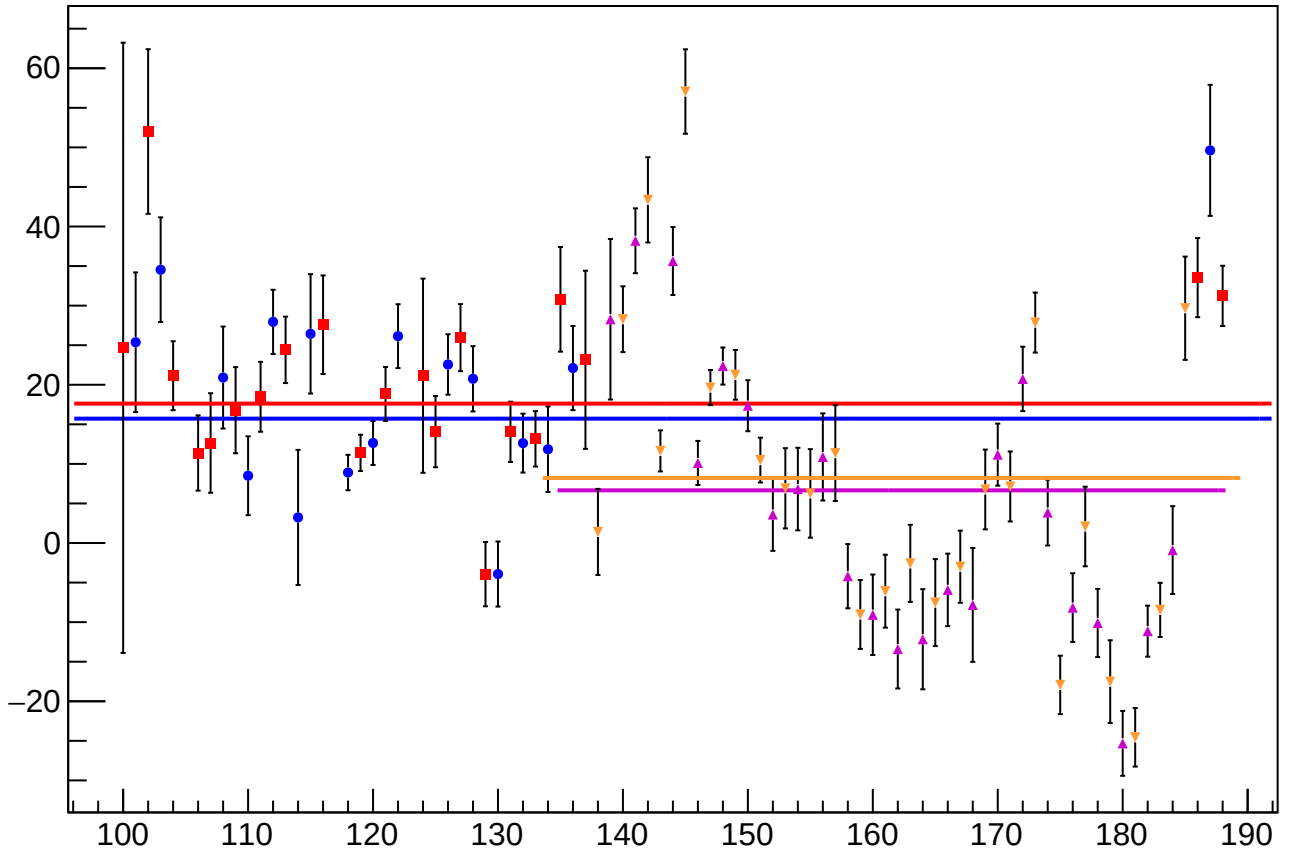
Left: -242.237+/-0.778 χ^2/NDF: 8841.6/47

Right: -214.505+/-0.668 χ^2/NDF: 10294.1/37

In: -228.015+/-0.751 χ^2/NDF:6843.3/39

Out: -224.811+/-0.687 χ^2/NDF:13014.1/45

All: -226.271+/-0.507 χ^2/NDF: 19867.3/85



Right In: 15.718+/-1.039 χ^2/NDF: 89.4/16

Left Out: 8.222+/-0.803 χ^2/NDF:457.9/24

Right Out: 17.619+/-0.981 χ^2/NDF: 89.1/20

Left In: 6.657+/-0.858 χ^2/NDF:354.8/22

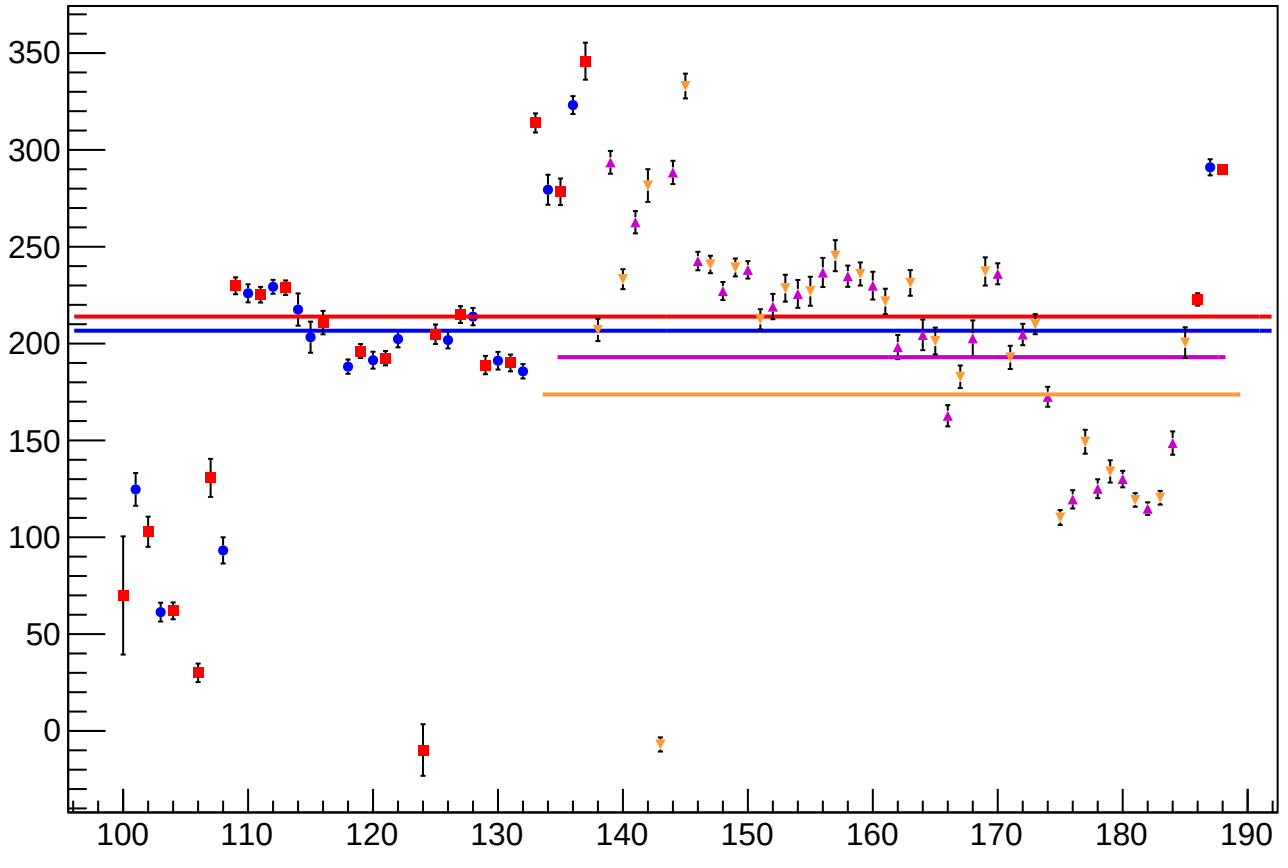
Left: 7.492+/-0.586 χ^2/NDF: 814.5/47

Right: 16.723+/-0.713 χ^2/NDF: 180.3/37

In: 10.330+/-0.662 χ^2/NDF:489.4/39

Out: 11.992+/-0.621 χ^2/NDF:602.0/45

All: 11.213+/-0.453 χ^2/NDF: 1094.7/85



Right In: 206.649+/-1.149 χ^2/NDF: 2544.0/16

Left Out: 173.752+/-1.069 χ^2/NDF:5260.7/24

Right Out: 213.961+/-0.972 χ^2/NDF: 5328.3/20

Left In: 193.026+/-1.122 χ^2/NDF:2512.0/22

Left: 182.920+/-0.774 χ^2/NDF: 7927.5/47

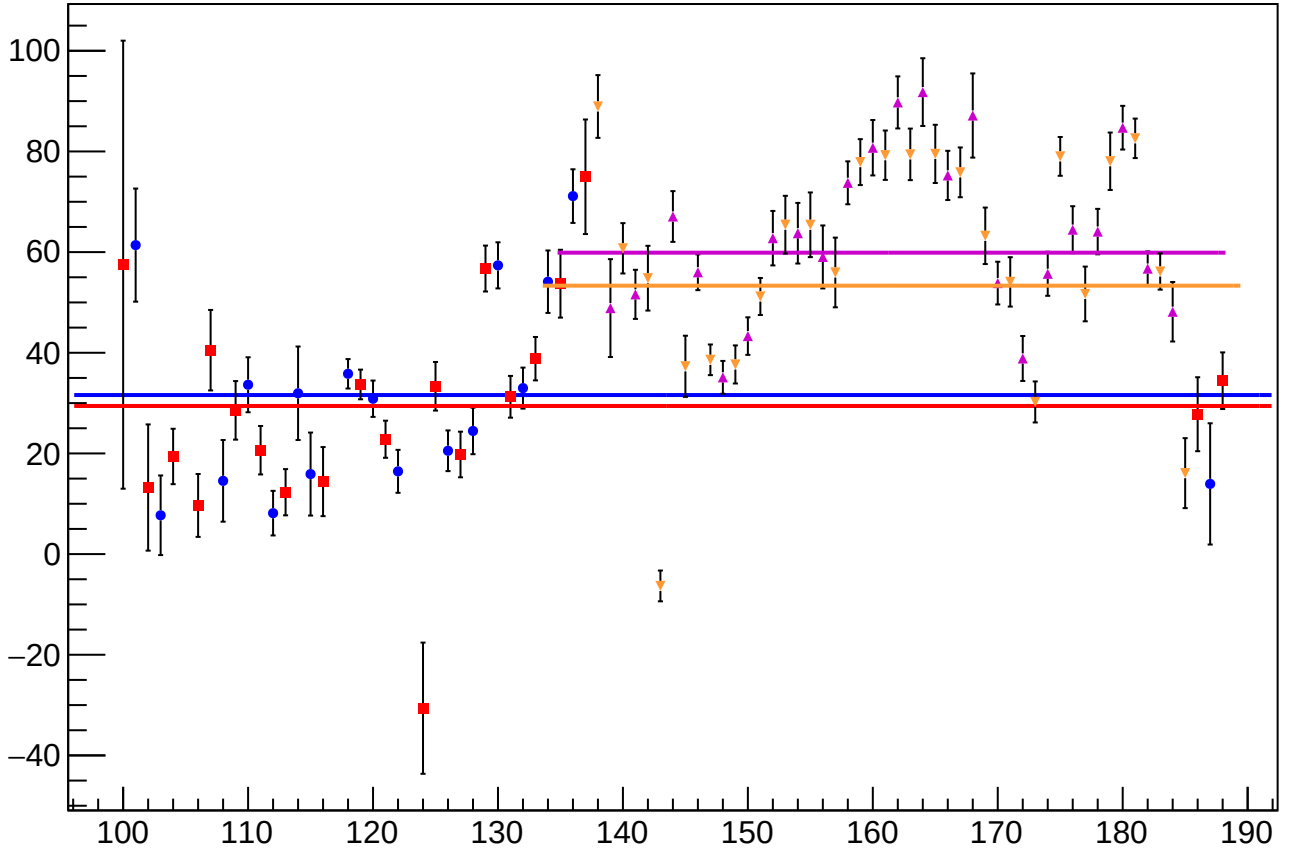
Right: 210.913+/-0.742 χ^2/NDF: 7895.9/37

In: 199.672+/-0.803 χ^2/NDF:5127.9/39

Out: 195.758+/-0.719 χ^2/NDF:11364.0/45

All: 197.500+/-0.536 χ^2/NDF: 16505.0/85

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 31.602+/-1.210 χ^2/NDF: 179.2/16

Left Out: 53.331+/-0.922 χ^2/NDF:778.9/24

Right Out: 29.428+/-1.156 χ^2/NDF: 141.8/20

Left In: 59.887+/-0.977 χ^2/NDF:251.2/22

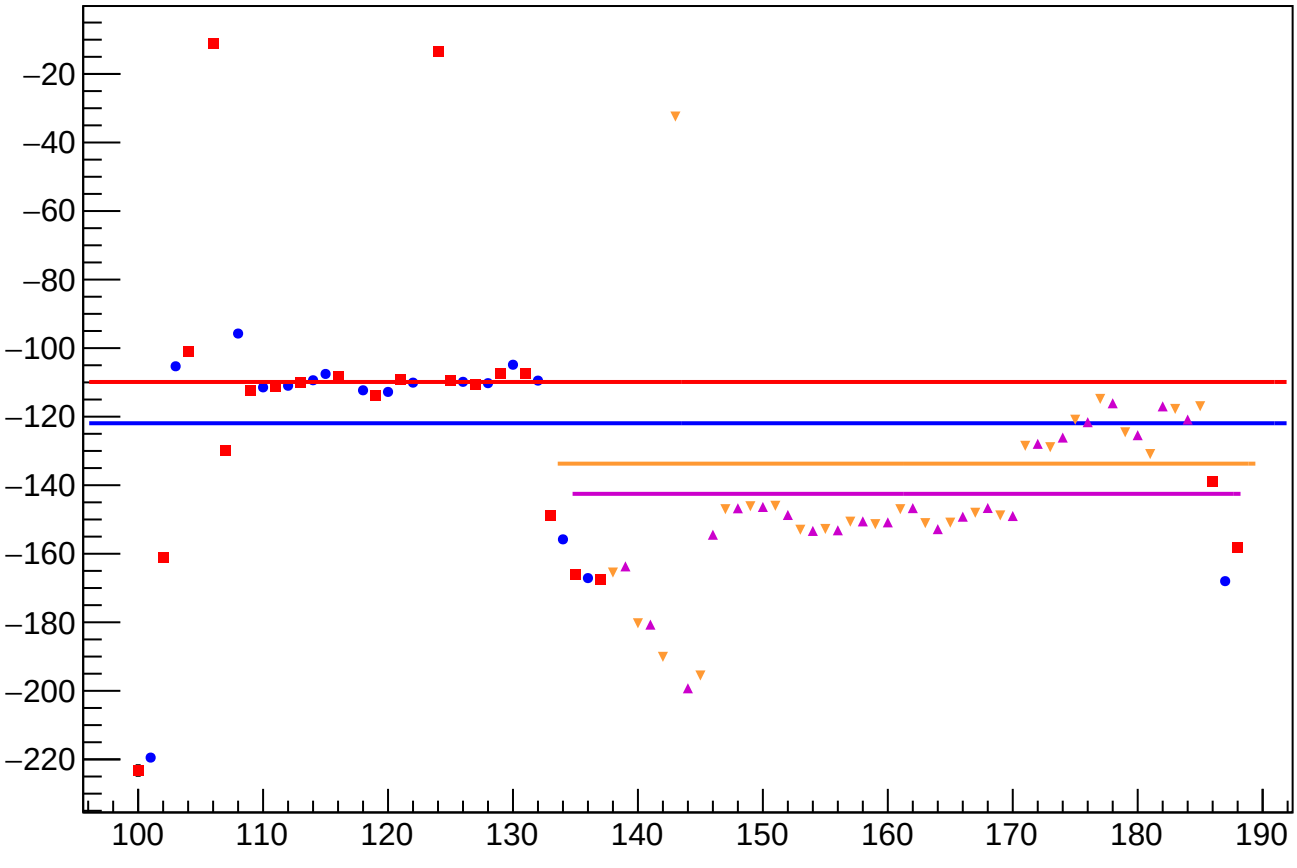
Left: 56.419+/-0.670 χ^2/NDF: 1053.9/47

Right: 30.465+/-0.836 χ^2/NDF: 322.6/37

In: 48.731+/-0.760 χ^2/NDF:761.0/39

Out: 44.040+/-0.721 χ^2/NDF:1182.1/45

All: 46.260+/-0.523 χ^2/NDF: 1963.2/85



Right In: -121.921+/-0.079 χ^2/NDF: 124256.4/16

Left Out: -133.709+/-0.043 χ^2/NDF:675925.6/24

Right Out: -109.877+/-0.071 χ^2/NDF: 392648.3/20

Left In: -142.518+/-0.044 χ^2/NDF:178481.1/22

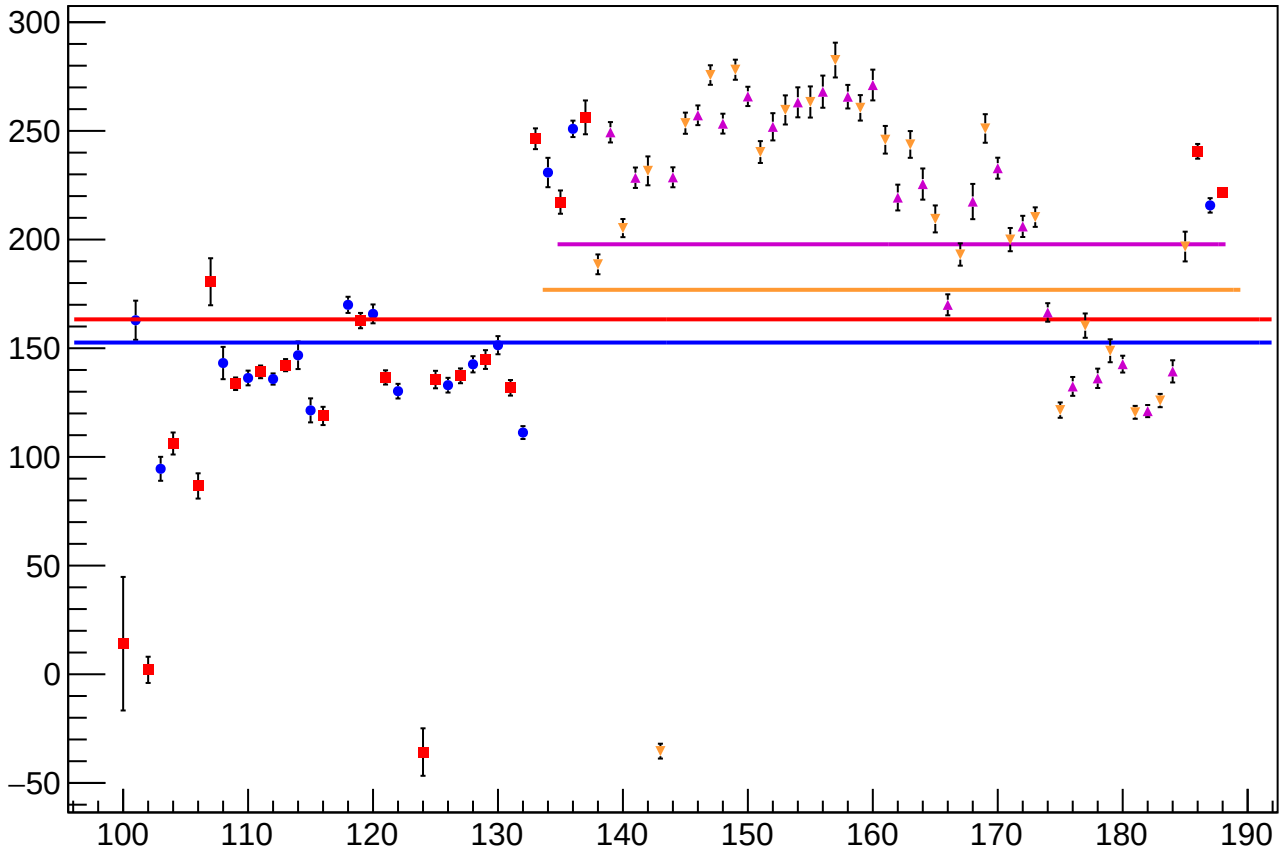
Left: -137.954+/-0.031 χ^2/NDF: 874788.8/47

Right: -115.314+/-0.053 χ^2/NDF: 529762.7/37

In: -137.539+/-0.039 χ^2/NDF:354721.6/39

Out: -127.398+/-0.037 χ^2/NDF:1150562.6/45

All: -132.206+/-0.027 χ^2/NDF: 1541439.4/85



Right In: 152.621+/-0.961 χ^2/NDF: 1692.8/16

Left Out: 176.884+/-0.958 χ^2/NDF:7424.8/24

Right Out: 163.290+/-0.820 χ^2/NDF: 4125.2/20

Left In: 197.829+/-1.006 χ^2/NDF:2968.0/22

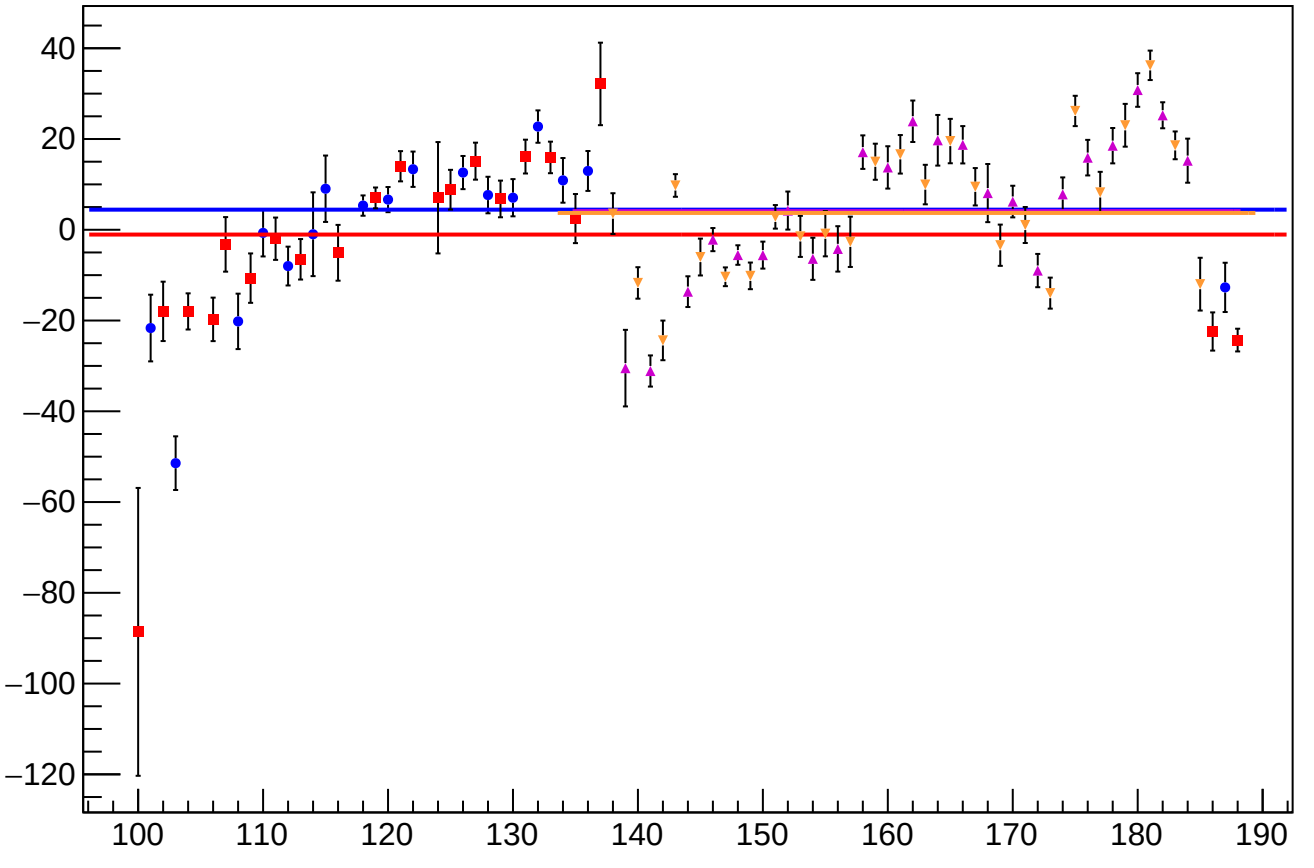
Left: 186.838+/-0.694 χ^2/NDF: 10620.2/47

Right: 158.792+/-0.624 χ^2/NDF: 5889.3/37

In: 174.182+/-0.695 χ^2/NDF:5716.8/39

Out: 169.043+/-0.623 χ^2/NDF:11666.2/45

All: 171.333+/-0.464 χ^2/NDF: 17413.3/85



Right In: 4.431+/-1.003 χ^2/NDF: 182.2/16

Left Out: 3.708+/-0.723 χ^2/NDF:400.9/24

Right Out: -1.056+/-0.916 χ^2/NDF: 281.5/20

Left In: 4.102+/-0.769 χ^2/NDF:398.9/22

Left: 3.893+/-0.527 χ^2/NDF: 800.0/47

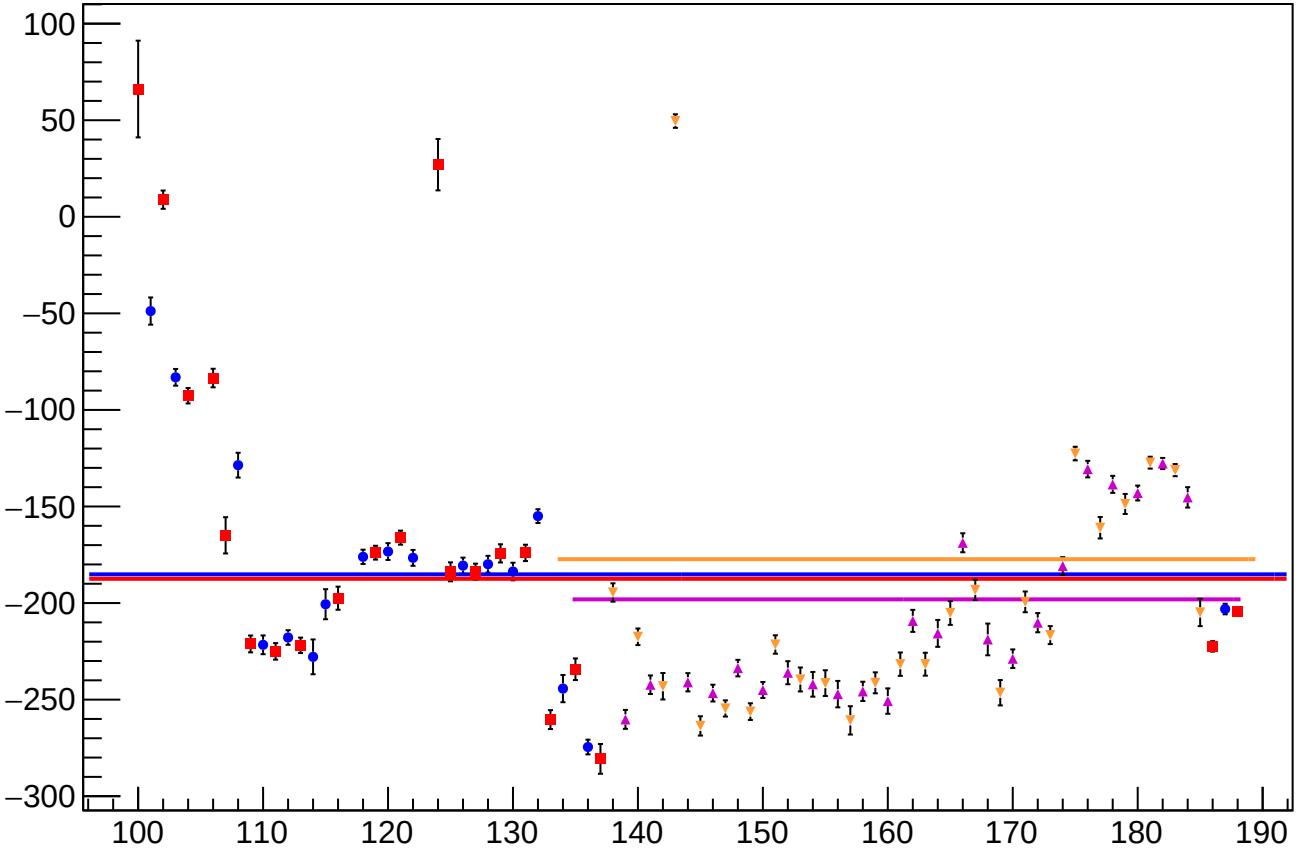
Right: 1.438+/-0.676 χ^2/NDF: 480.0/37

In: 4.224+/-0.610 χ^2/NDF:581.2/39

Out: 1.877+/-0.568 χ^2/NDF:699.1/45

All: 2.966+/-0.416 χ^2/NDF: 1288.3/85

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -185.134+/-1.063 χ^2/NDF: 1921.0/16

Left Out: -177.283+/-0.956 χ^2/NDF:7040.0/24

Right Out: -187.441+/-0.835 χ^2/NDF: 4150.0/20

Left In: -198.088+/-1.000 χ^2/NDF:2386.2/22

Left: -187.218+/-0.691 χ^2/NDF: 9652.4/47

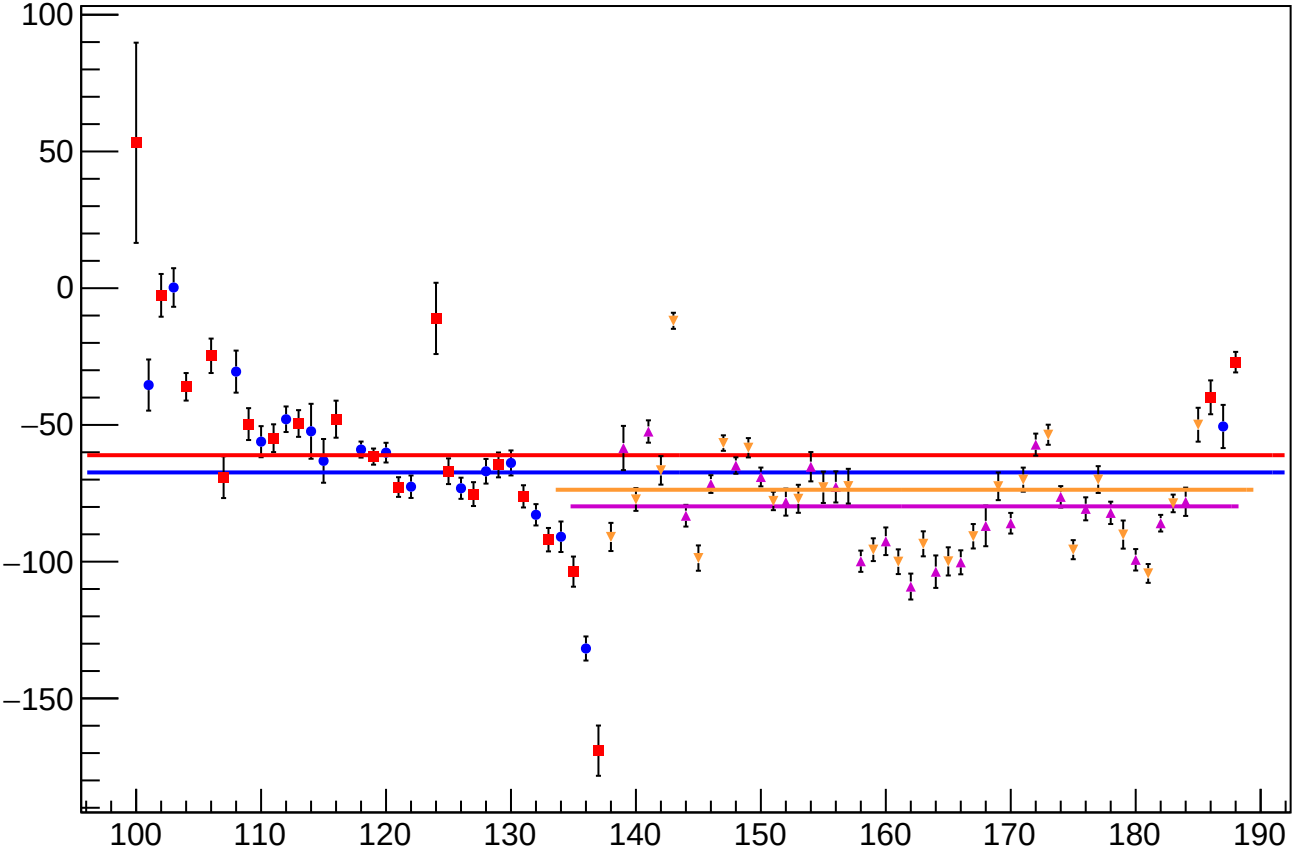
Right: -186.561+/-0.657 χ^2/NDF: 6073.9/37

In: -192.008+/-0.729 χ^2/NDF:4386.0/39

Out: -183.044+/-0.629 χ^2/NDF:11254.0/45

All: -186.873+/-0.476 χ^2/NDF: 15726.8/85

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -67.370+/-1.168 χ^2/NDF: 418.7/16

Left Out: -73.706+/-0.829 χ^2/NDF:839.6/24

Right Out: -61.070+/-1.096 χ^2/NDF: 534.8/20

Left In: -79.777+/-0.874 χ^2/NDF:277.1/22

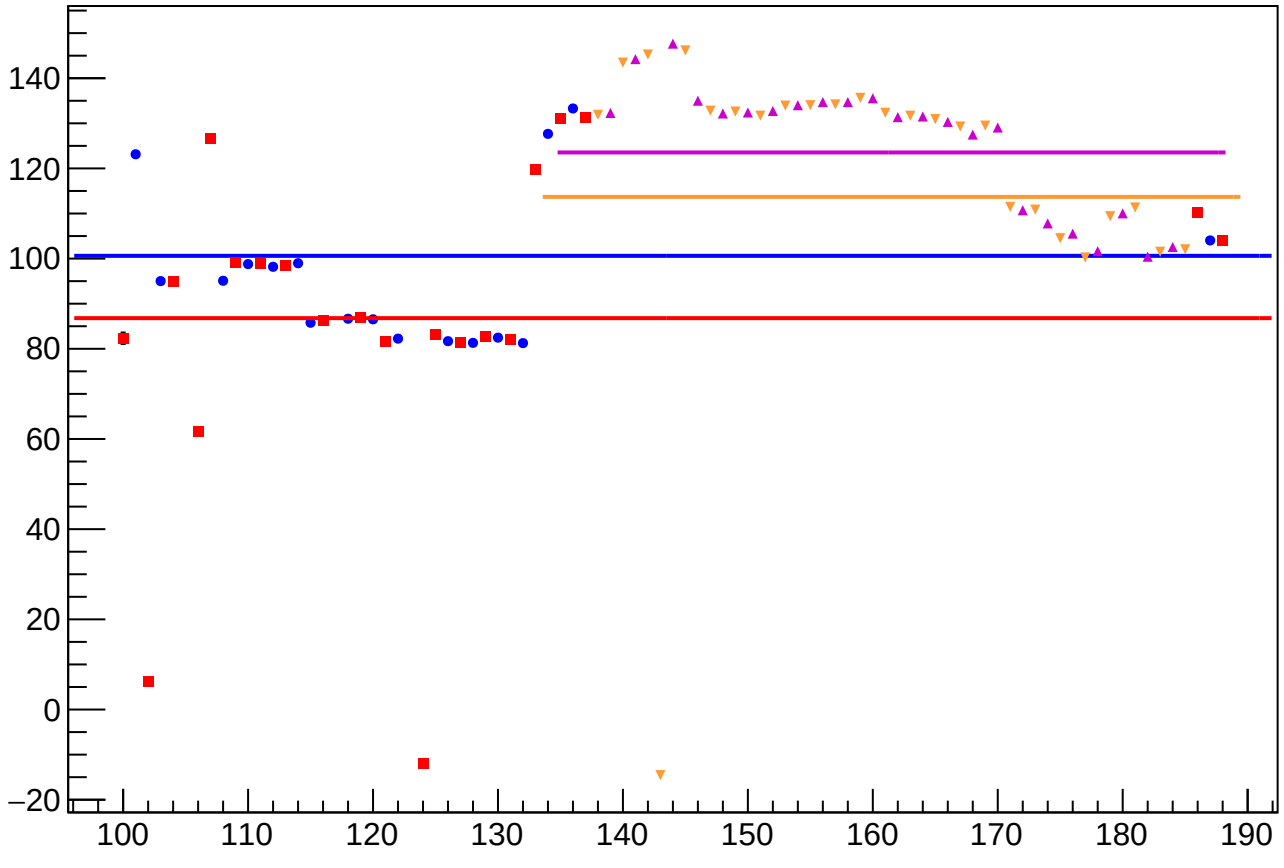
Left: -76.581+/-0.601 χ^2/NDF: 1142.1/47

Right: -64.021+/-0.799 χ^2/NDF: 968.9/37

In: -75.324+/-0.700 χ^2/NDF:768.1/39

Out: -69.111+/-0.661 χ^2/NDF:1458.9/45

All: -72.041+/-0.481 χ^2/NDF: 2268.6/85



Right In: 100.614+/-0.073 χ^2/NDF: 67527.4/16

Left Out: 113.687+/-0.038 χ^2/NDF:963156.9/24

Right Out: 86.797+/-0.065 χ^2/NDF: 275642.3/20

Left In: 123.538+/-0.040 χ^2/NDF:134613.3/22

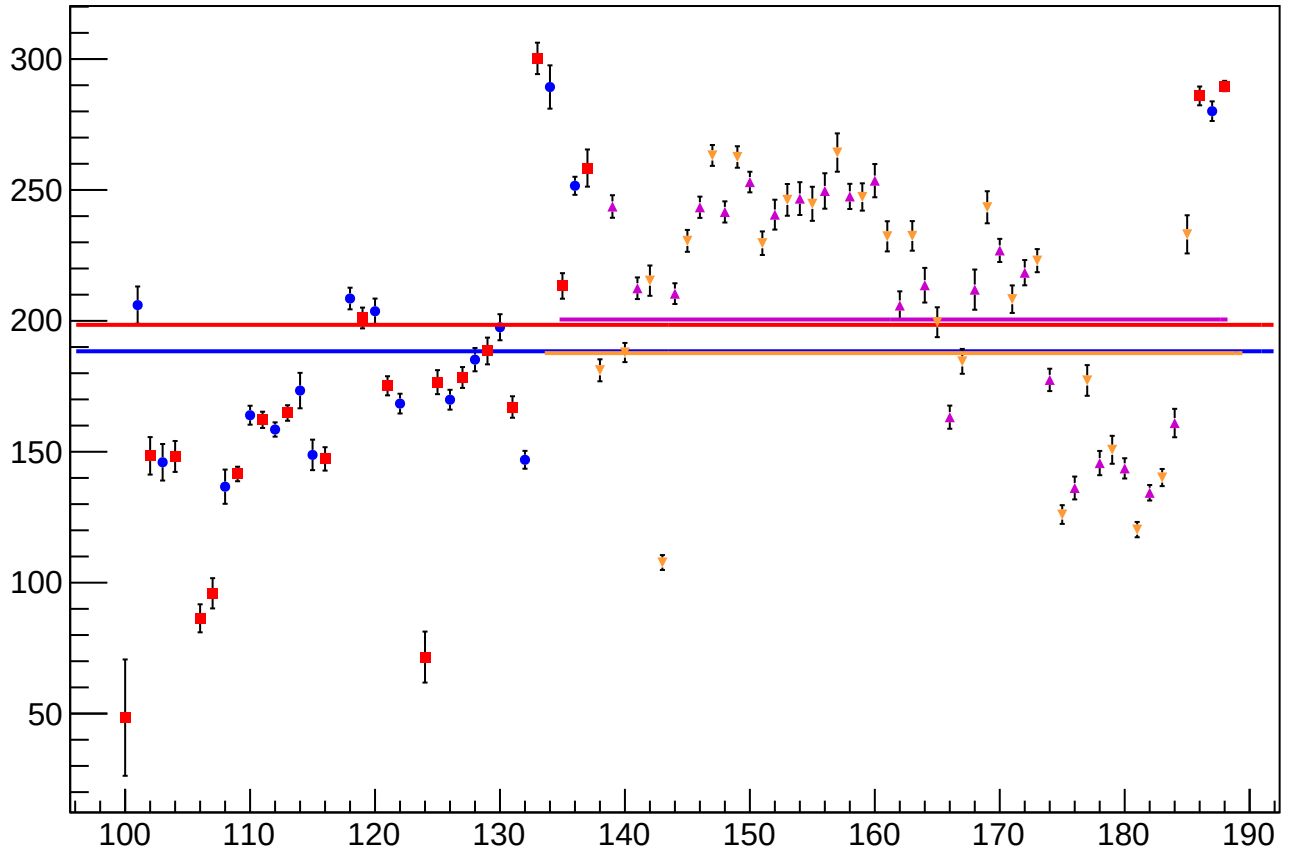
Left: 118.454+/-0.028 χ^2/NDF: 1129684.8/47

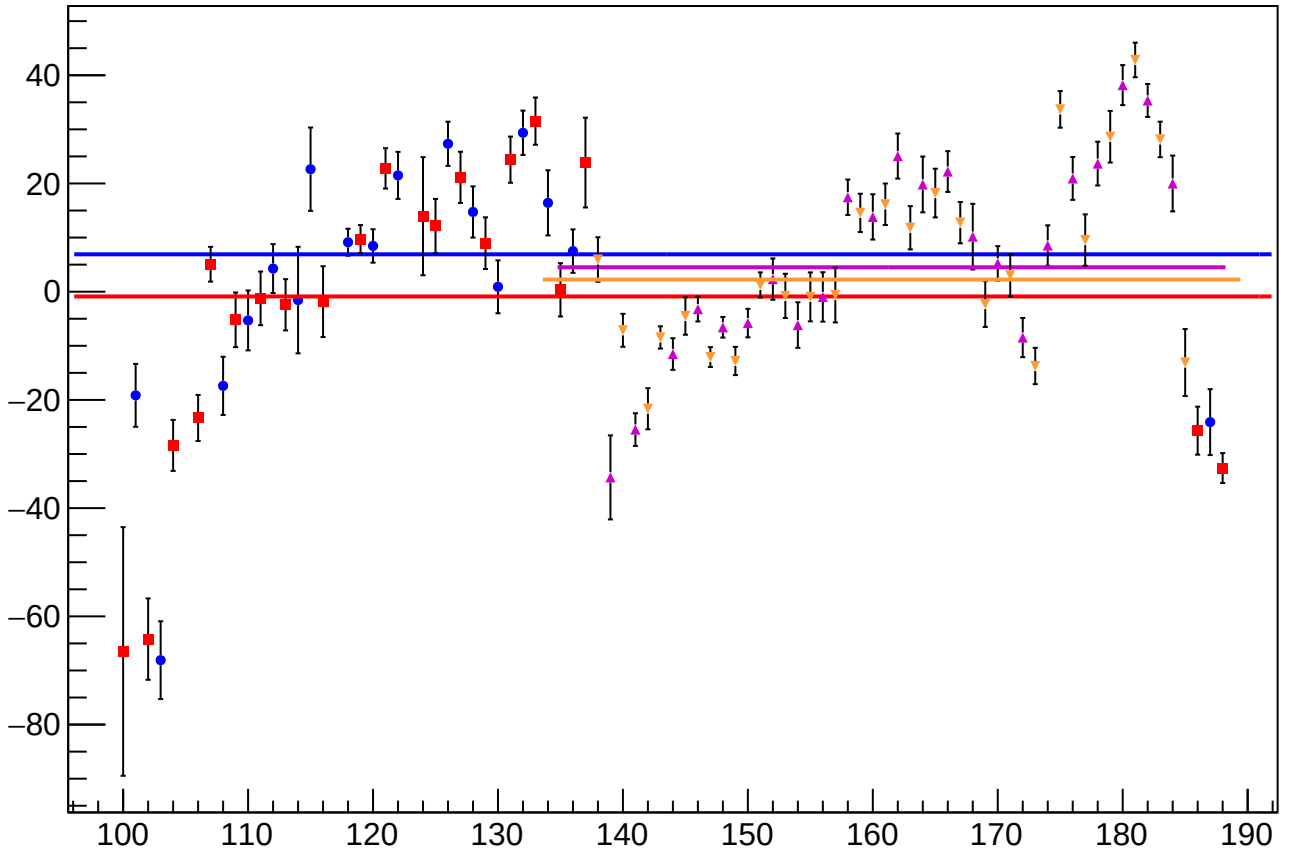
Right: 92.873+/-0.048 χ^2/NDF: 363279.4/37

In: 118.315+/-0.035 χ^2/NDF:278426.9/39

Out: 106.680+/-0.033 χ^2/NDF:1366862.4/45

All: 112.184+/-0.024 χ^2/NDF: 1704157.0/85


reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected
300
250
200
150
100
50
100
110
120
130
140
150
160
170
180
190
Right In: 188.385+/-1.046 χ²/NDF: 1642.6/16
Left Out: 187.681+/-0.898 χ²/NDF:3528.3/24
Right Out: 198.477+/-0.879 χ²/NDF: 5150.3/20
Left In: 200.521+/-0.955 χ²/NDF:2111.4/22
Left: 193.703+/-0.654 χ²/NDF: 5735.7/47
Right: 194.299+/-0.673 χ²/NDF: 6847.4/37
In: 195.005+/-0.705 χ²/NDF:3827.5/39
Out: 193.189+/-0.628 χ²/NDF:8752.4/45
All: 193.992+/-0.469 χ²/NDF: 12583.5/85



Right In: 6.906+/-1.095 χ^2/NDF: 259.7/16

Left Out: 2.245+/-0.665 χ^2/NDF:600.9/24

Right Out: -0.880+/-0.967 χ^2/NDF: 499.6/20

Left In: 4.513+/-0.714 χ^2/NDF:547.1/22

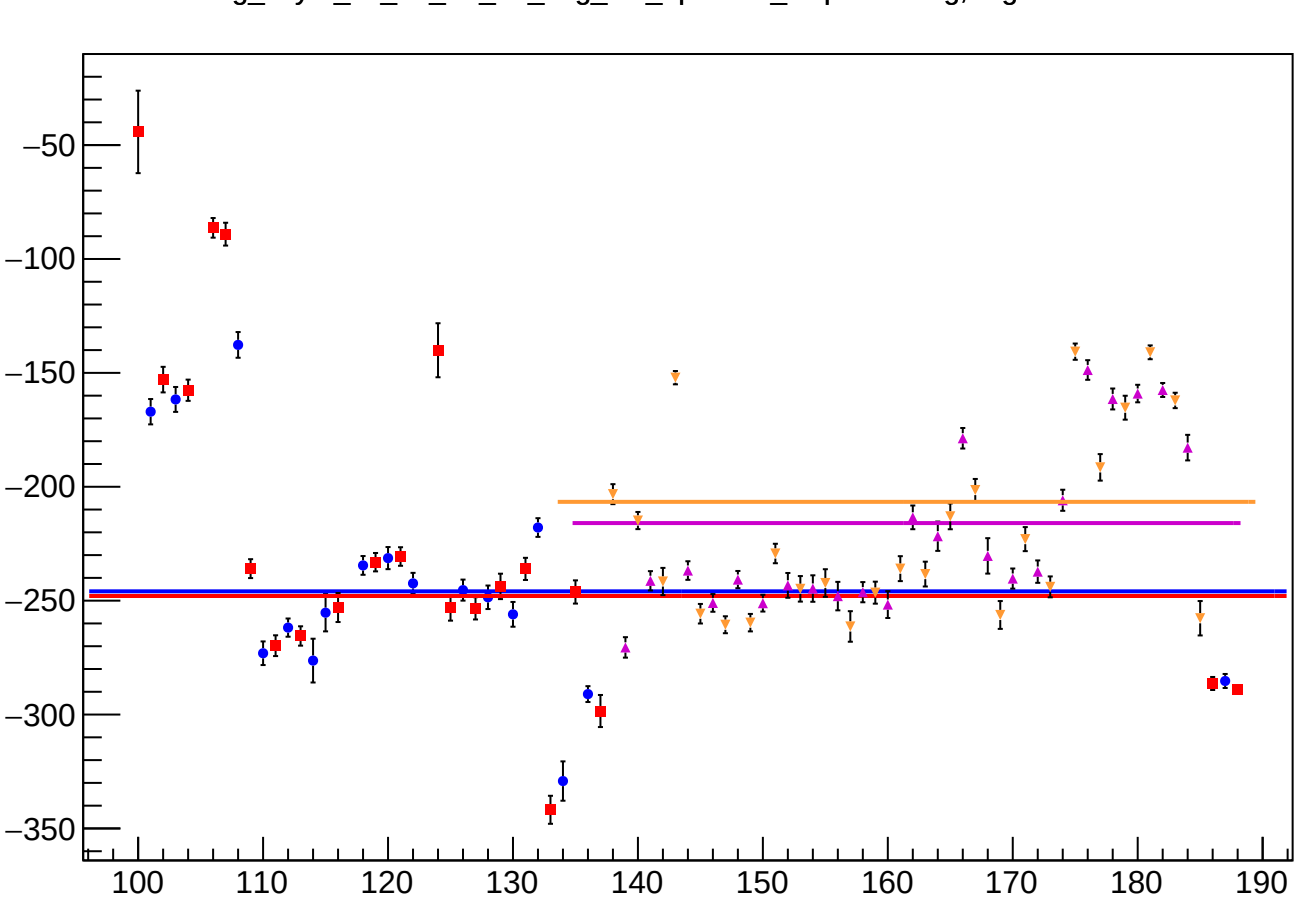
Left: 3.298+/-0.486 χ^2/NDF: 1153.4/47

Right: 2.533+/-0.725 χ^2/NDF: 787.7/37

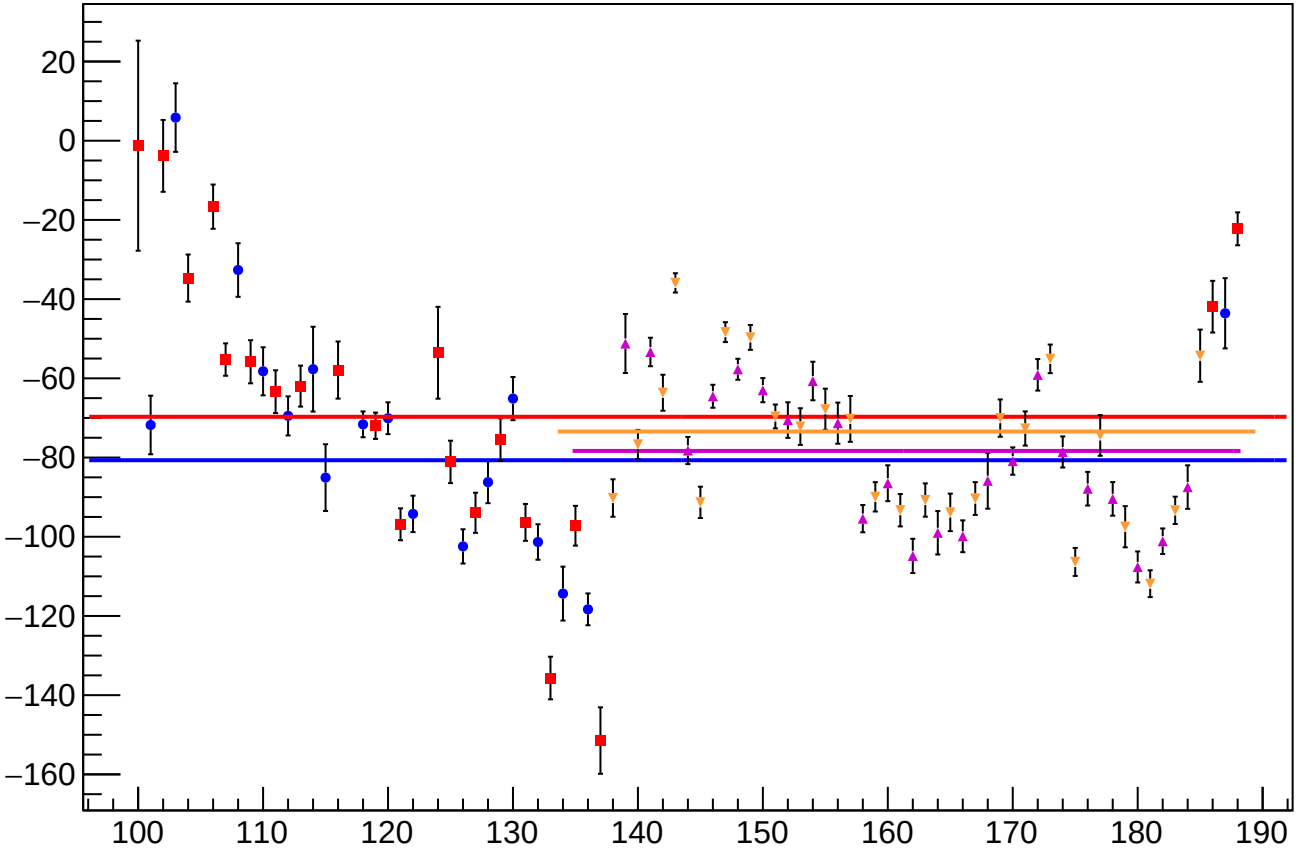
In: 5.227+/-0.598 χ^2/NDF:810.2/39

Out: 1.243+/-0.548 χ^2/NDF:1107.6/45

All: 3.060+/-0.404 χ^2/NDF: 1941.8/85


reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected
−50
−100
−150
−200
−250
−300
−350
100
110
120
130
140
150
160
170
180
190
Right In: -245.907+/-1.155 χ²/NDF: 1352.3/16
Left Out: -206.617+/-0.895 χ²/NDF:2467.8/24
Right Out: -247.949+/-0.898 χ²/NDF: 4494.4/20
Left In: -215.938+/-0.946 χ²/NDF:1711.9/22
Left: -211.017+/-0.650 χ²/NDF: 4230.9/47
Right: -247.180+/-0.709 χ²/NDF: 5848.7/37
In: -227.978+/-0.732 χ²/NDF:3467.4/39
Out: -227.217+/-0.634 χ²/NDF:8025.8/45
All: -227.543+/-0.479 χ²/NDF: 11493.8/85

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -80.680+/-1.273 χ^2/NDF: 384.4/16

Left Out: -73.426+/-0.767 χ^2/NDF:836.6/24

Right Out: -69.707+/-1.161 χ^2/NDF: 743.0/20

Left In: -78.329+/-0.817 χ^2/NDF:443.2/22

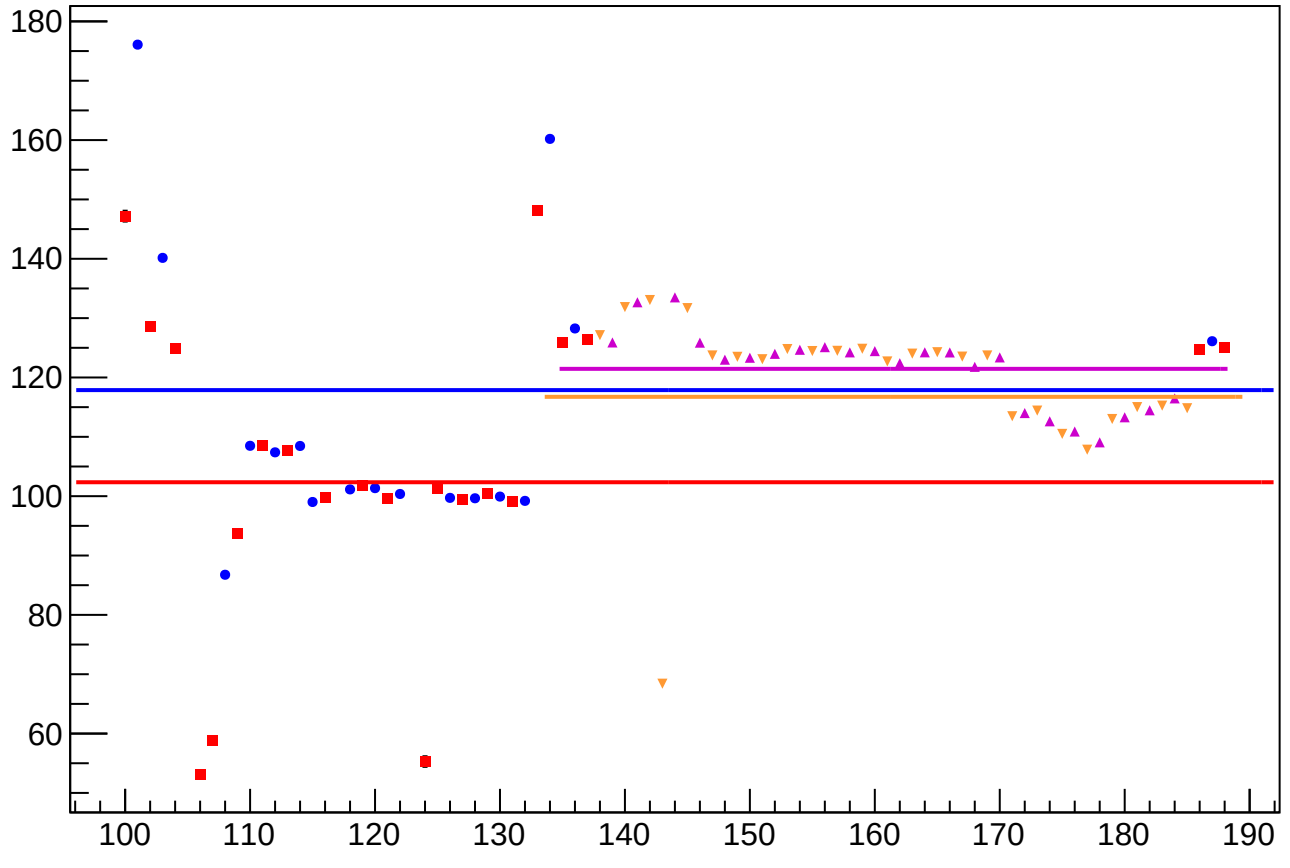
Left: -75.722+/-0.559 χ^2/NDF: 1298.9/47

Right: -74.686+/-0.858 χ^2/NDF: 1167.9/37

In: -79.015+/-0.688 χ^2/NDF:830.0/39

Out: -72.296+/-0.640 χ^2/NDF:1586.7/45

All: -75.413+/-0.469 χ^2/NDF: 2467.9/85



Right In: 117.873+/-0.077 χ^2/NDF: 95682.3/16

Left Out: 116.740+/-0.036 χ^2/NDF:203650.9/24

Right Out: 102.348+/-0.066 χ^2/NDF: 180303.8/20

Left In: 121.455+/-0.037 χ^2/NDF:28796.4/22

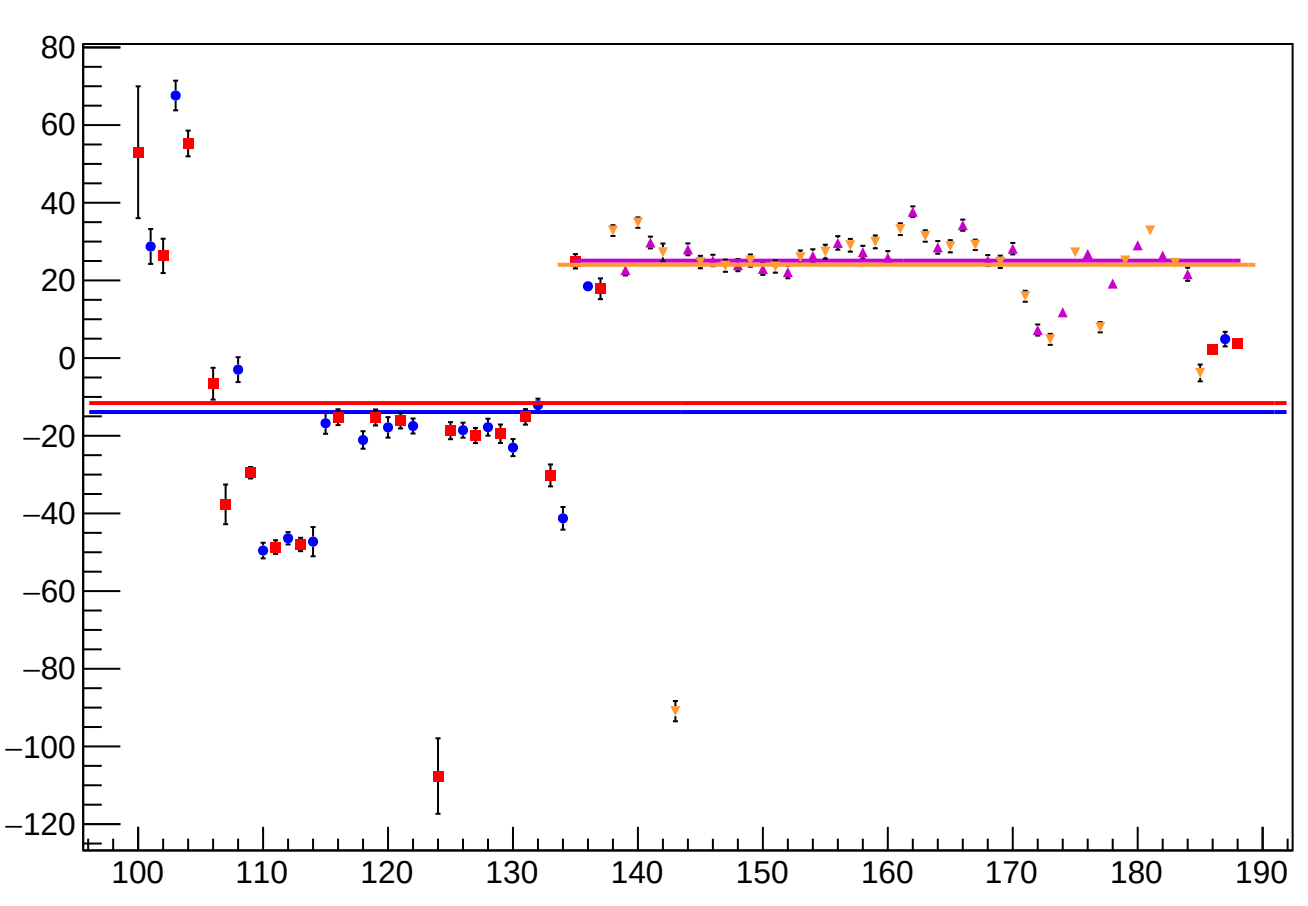
Left: 119.004+/-0.026 χ^2/NDF: 240766.9/47

Right: 108.939+/-0.050 χ^2/NDF: 299203.5/37

In: 120.779+/-0.034 χ^2/NDF:126221.9/39

Out: 113.496+/-0.032 χ^2/NDF:420358.6/45

All: 116.909+/-0.023 χ^2/NDF: 571598.5/85



Right In: -13.890+/-0.518 χ^2/NDF: 2232.5/16

Left Out: 24.025+/-0.282 χ^2/NDF:2802.2/24

Right Out: -11.584+/-0.443 χ^2/NDF: 2592.3/20

Left In: 25.089+/-0.287 χ^2/NDF:495.3/22

Left: 24.547+/-0.201 χ^2/NDF: 3304.5/47

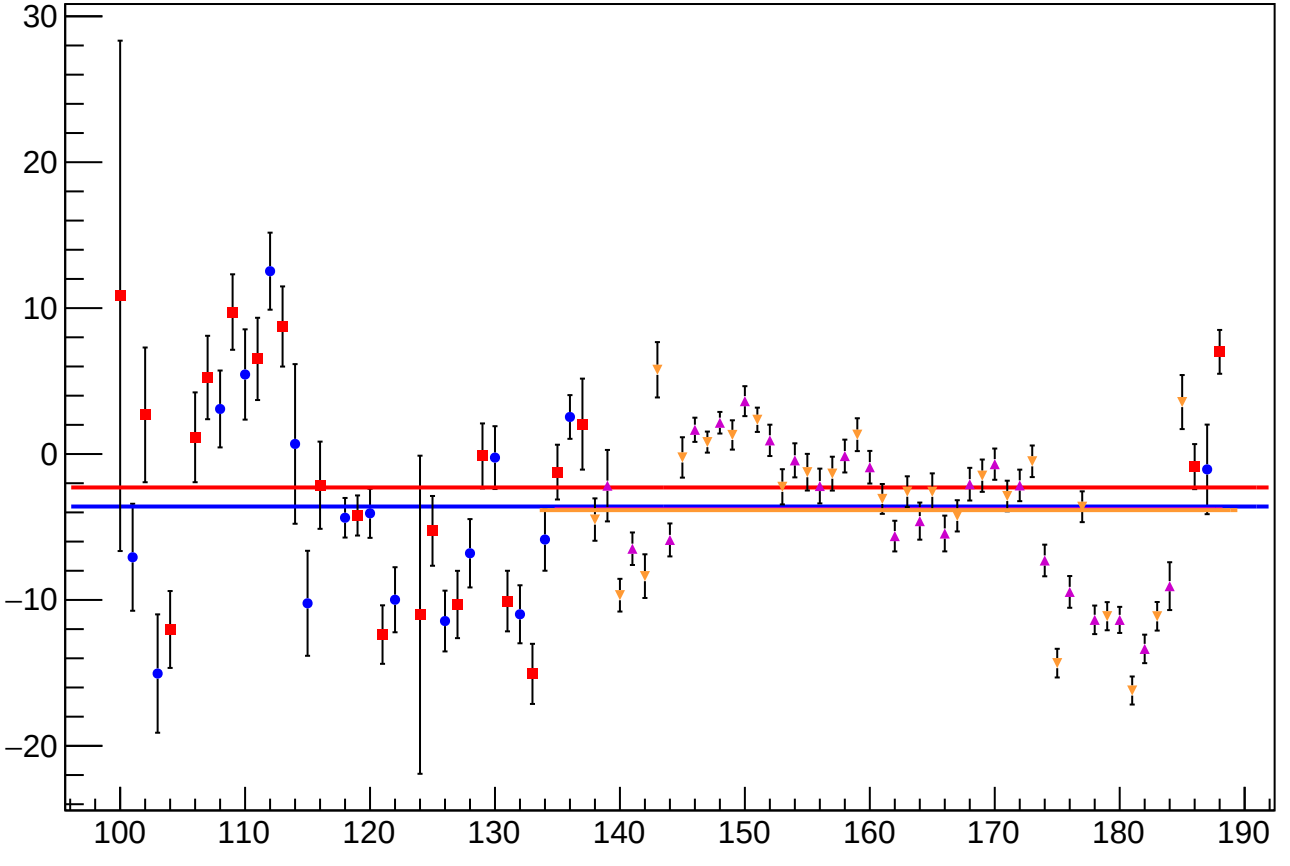
Right: -12.558+/-0.337 χ^2/NDF: 4836.3/37

In: 15.927+/-0.251 χ^2/NDF:7057.3/39

Out: 13.760+/-0.238 χ^2/NDF:9990.6/45

All: 14.784+/-0.173 χ^2/NDF: 17087.1/85

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -3.597+/-0.543 χ^2/NDF: 124.7/16

Left Out: -3.845+/-0.218 χ^2/NDF:649.4/24

Right Out: -2.291+/-0.499 χ^2/NDF: 207.4/20

Left In: -3.780+/-0.224 χ^2/NDF:509.8/22

Left: -3.813+/-0.156 χ^2/NDF: 1159.2/47

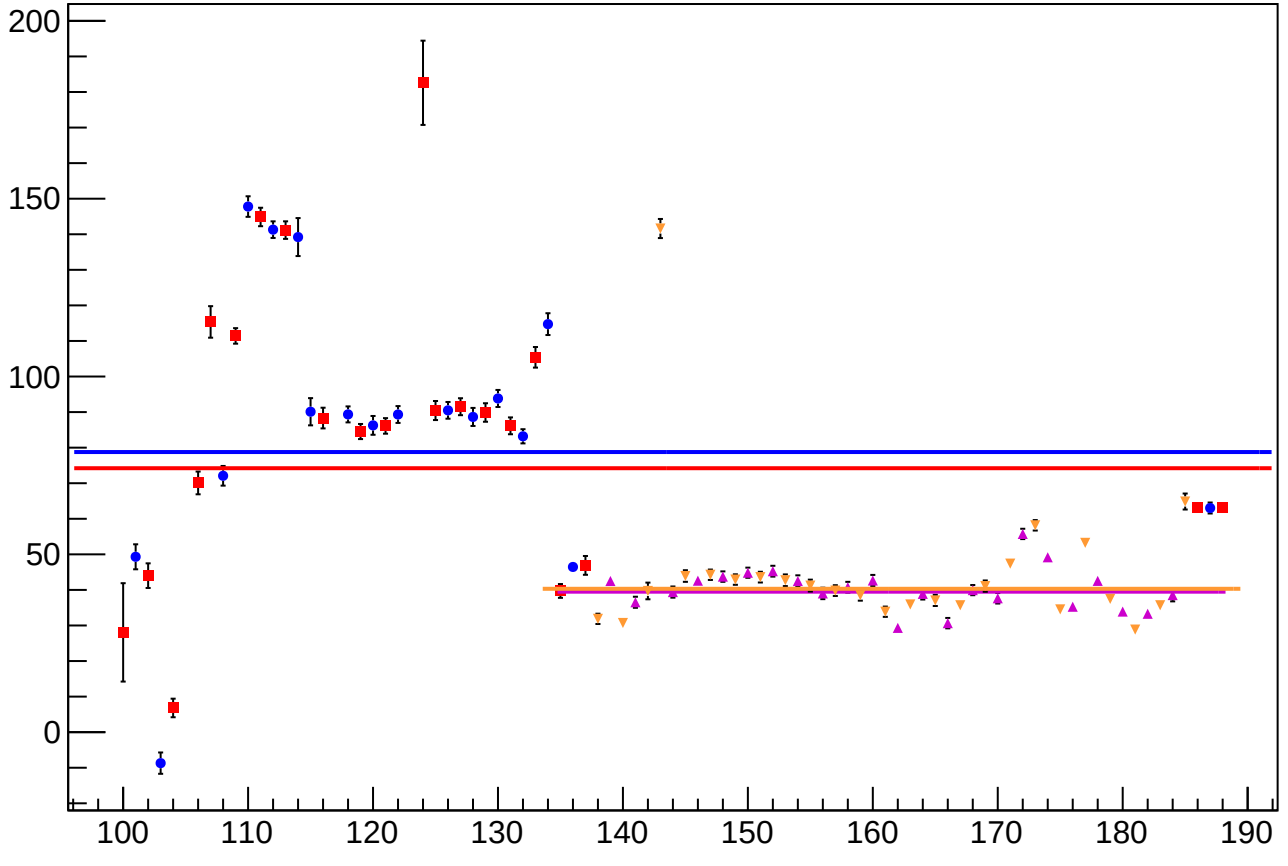
Right: -2.889+/-0.368 χ^2/NDF: 335.3/37

In: -3.753+/-0.207 χ^2/NDF:634.6/39

Out: -3.597+/-0.200 χ^2/NDF:864.9/45

All: -3.672+/-0.144 χ^2/NDF: 1499.8/85

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 78.766+/-0.565 χ^2/NDF: 3350.7/16

Left Out: 40.315+/-0.280 χ^2/NDF:2182.8/24

Right Out: 74.218+/-0.448 χ^2/NDF: 3746.6/20

Left In: 39.504+/-0.285 χ^2/NDF:432.1/22

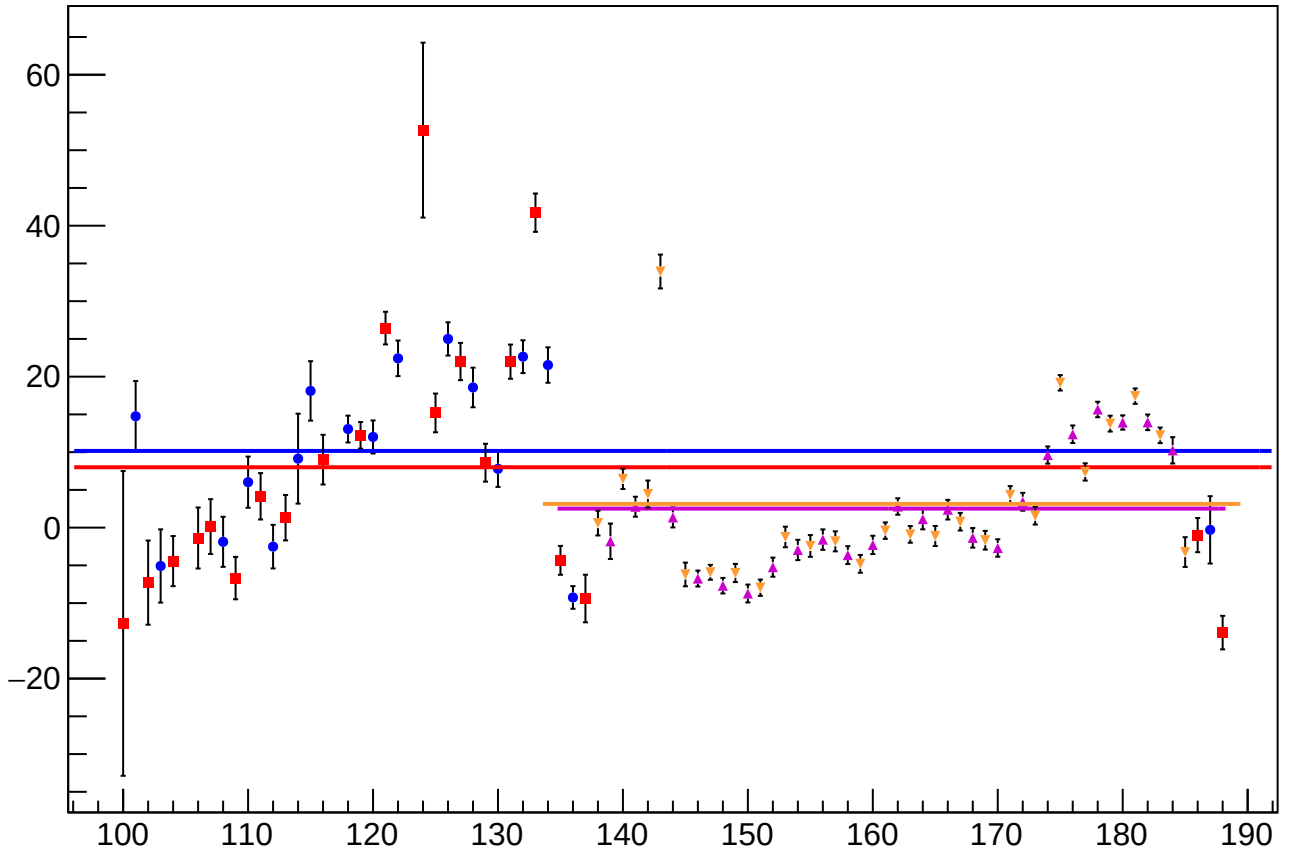
Left: 39.916+/-0.200 χ^2/NDF: 2619.0/47

Right: 75.972+/-0.351 χ^2/NDF: 7137.1/37

In: 47.458+/-0.254 χ^2/NDF:7634.9/39

Out: 49.861+/-0.237 χ^2/NDF:10052.8/45

All: 48.741+/-0.174 χ^2/NDF: 17735.5/85



Right In: 10.161+/-0.620 χ^2/NDF: 365.4/16

Left Out: 3.142+/-0.245 χ^2/NDF:1267.0/24

Right Out: 8.000+/-0.594 χ^2/NDF: 599.5/20

Left In: 2.519+/-0.251 χ^2/NDF:968.2/22

Left: 2.837+/-0.175 χ^2/NDF: 2238.3/47

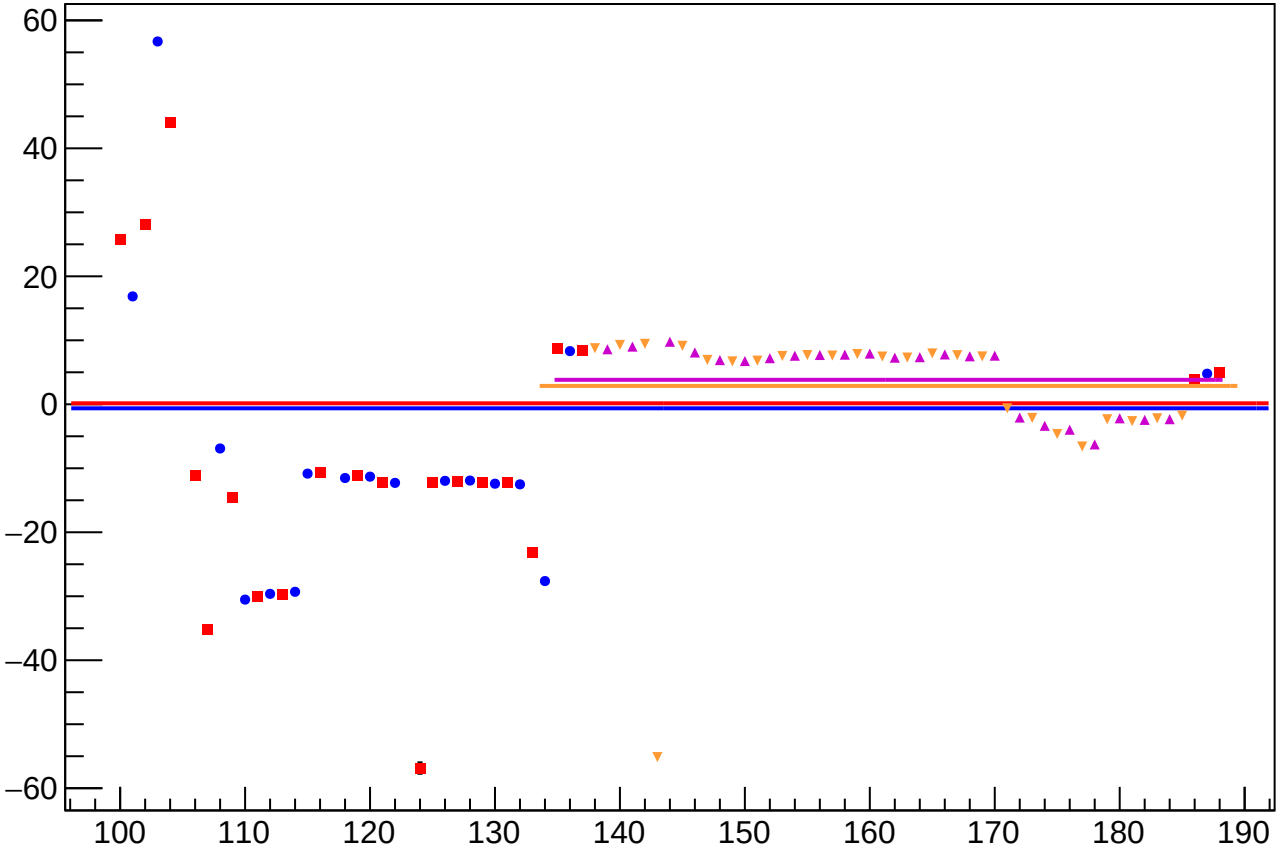
Right: 9.033+/-0.429 χ^2/NDF: 971.2/37

In: 3.594+/-0.233 χ^2/NDF:1463.9/39

Out: 3.851+/-0.227 χ^2/NDF:1923.7/45

All: 3.726+/-0.162 χ^2/NDF: 3388.2/85

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.629+/-0.036 χ^2/NDF: 368491.5/16

Left Out: 2.870+/-0.011 χ^2/NDF:512331.0/24

Right Out: 0.154+/-0.034 χ^2/NDF: 319404.2/20

Left In: 3.825+/-0.011 χ^2/NDF:233224.7/22

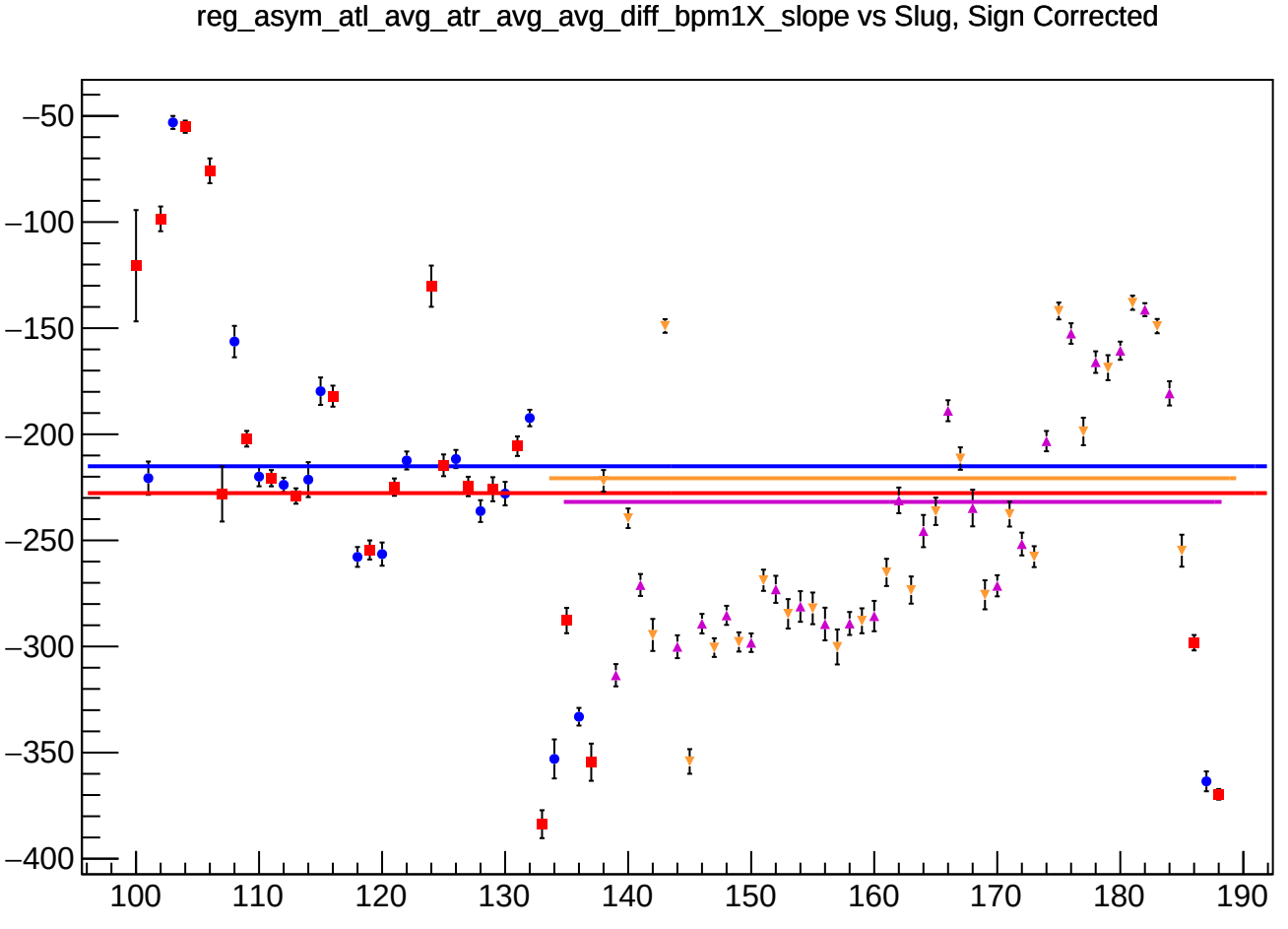
Left: 3.343+/-0.008 χ^2/NDF: 749294.8/47

Right: -0.226+/-0.025 χ^2/NDF: 688146.2/37

In: 3.428+/-0.011 χ^2/NDF:616056.1/39

Out: 2.619+/-0.010 χ^2/NDF:837378.2/45

All: 3.019+/-0.007 χ^2/NDF: 1456385.1/85



Right In: -215.077+/-1.149 χ^2/NDF: 5125.2/16

Left Out: -220.723+/-1.018 χ^2/NDF:4052.2/24

Right Out: -227.728+/-0.985 χ^2/NDF: 9567.3/20

Left In: -231.871+/-1.077 χ^2/NDF:3160.3/22

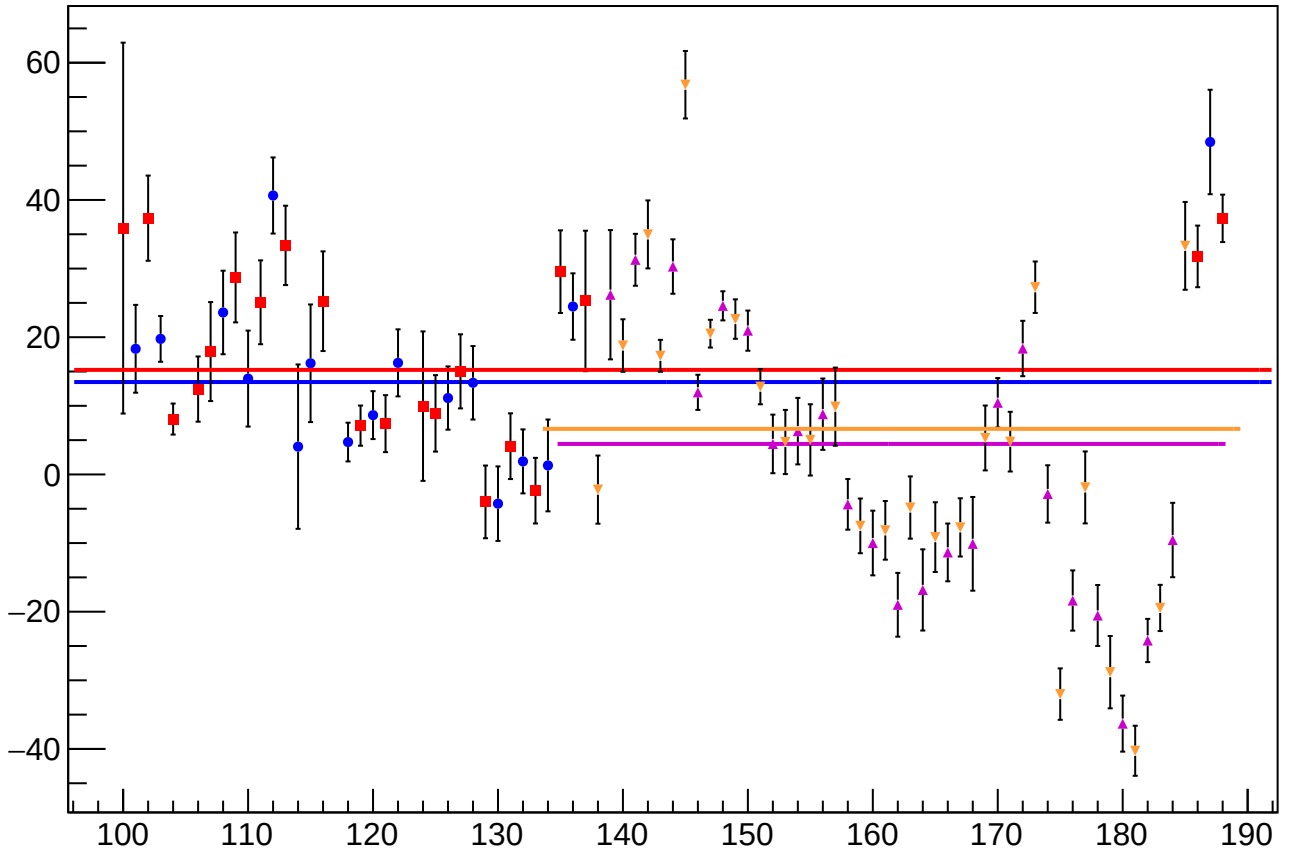
Left: -225.984+/-0.740 χ^2/NDF: 7269.1/47

Right: -222.364+/-0.748 χ^2/NDF: 14762.5/37

In: -224.014+/-0.786 χ^2/NDF:8399.3/39

Out: -224.340+/-0.708 χ^2/NDF:13644.0/45

All: -224.193+/-0.526 χ^2/NDF: 22043.4/85



Right In: 13.466+/-1.188 χ^2/NDF: 90.2/16

Left Out: 6.643+/-0.752 χ^2/NDF:735.0/24

Right Out: 15.237+/-1.038 χ^2/NDF: 148.3/20

Left In: 4.447+/-0.807 χ^2/NDF:567.1/22

Left: 5.622+/-0.550 χ^2/NDF: 1306.0/47

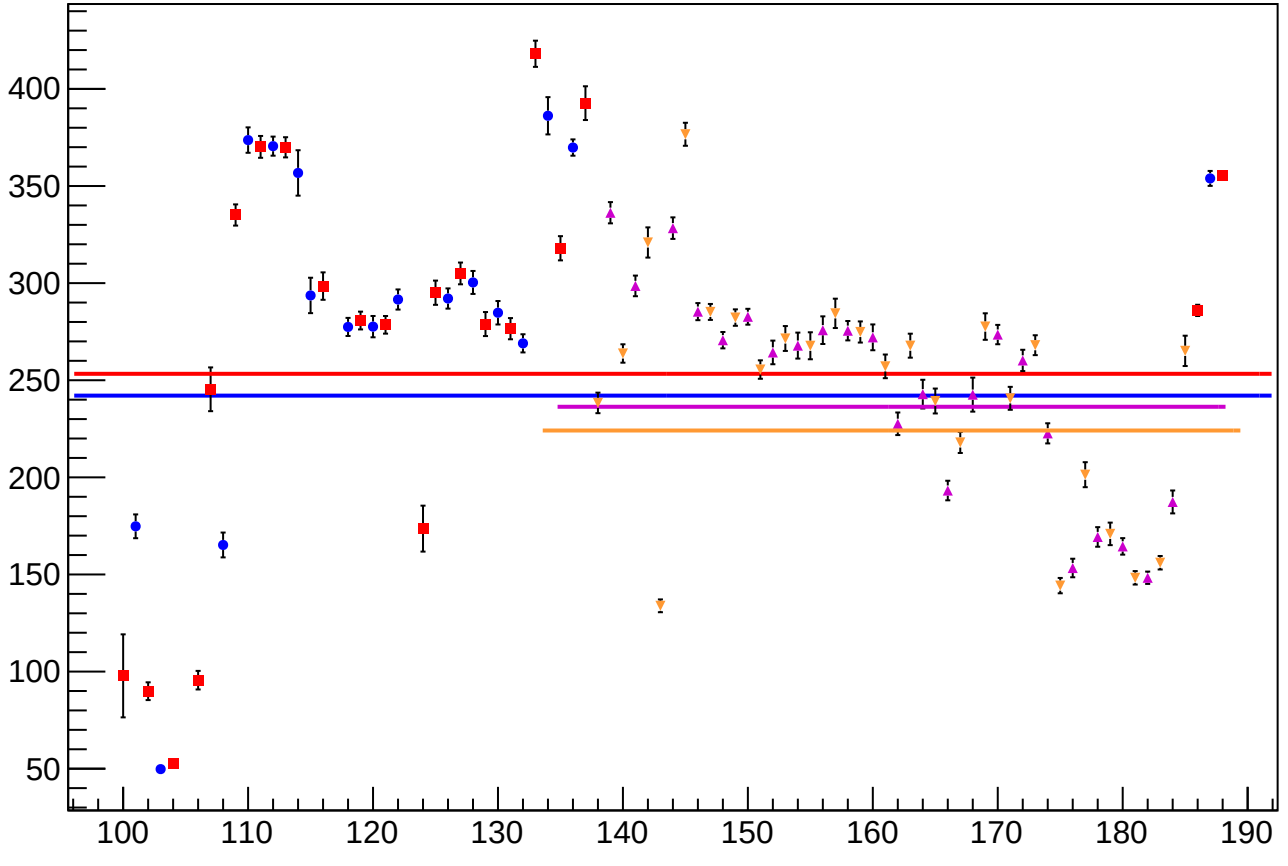
Right: 14.470+/-0.782 χ^2/NDF: 239.7/37

In: 7.295+/-0.668 χ^2/NDF:696.7/39

Out: 9.604+/-0.609 χ^2/NDF:928.2/45

All: 8.555+/-0.450 χ^2/NDF: 1631.4/85

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 242.082+/-1.197 χ^2/NDF: 10311.1/16

Left Out: 224.123+/-1.014 χ^2/NDF:3966.6/24

Right Out: 253.312+/-0.968 χ^2/NDF: 15401.6/20

Left In: 236.342+/-1.066 χ^2/NDF:2992.9/22

Left: 229.922+/-0.735 χ^2/NDF: 7028.5/47

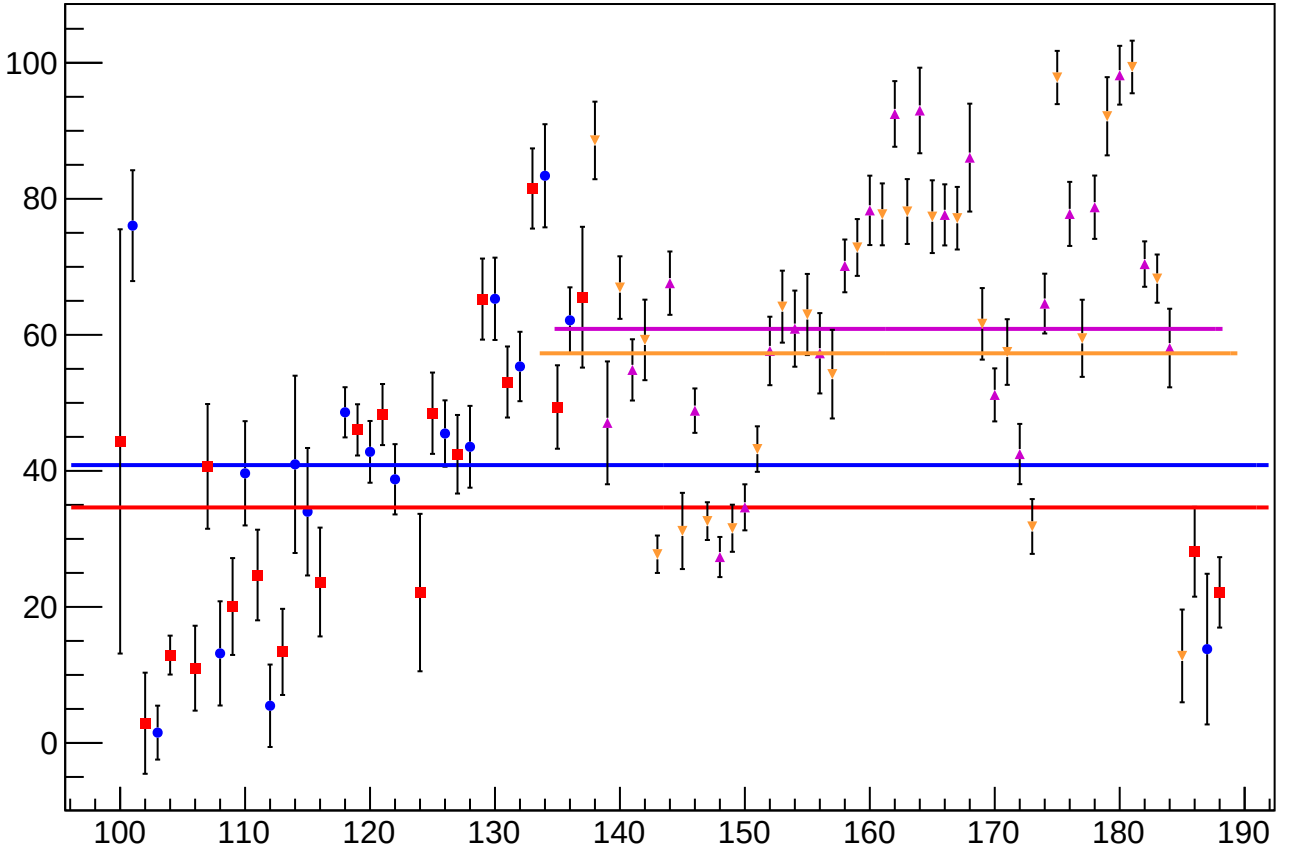
Right: 248.872+/-0.753 χ^2/NDF: 25765.9/37

In: 238.882+/-0.796 χ^2/NDF:13316.8/39

Out: 239.389+/-0.700 χ^2/NDF:19801.9/45

All: 239.168+/-0.526 χ^2/NDF: 33119.0/85

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 40.851+/-1.387 χ^2/NDF: 251.8/16

Left Out: 57.288+/-0.868 χ^2/NDF:767.9/24

Right Out: 34.625+/-1.253 χ^2/NDF: 260.6/20

Left In: 60.877+/-0.923 χ^2/NDF:454.7/22

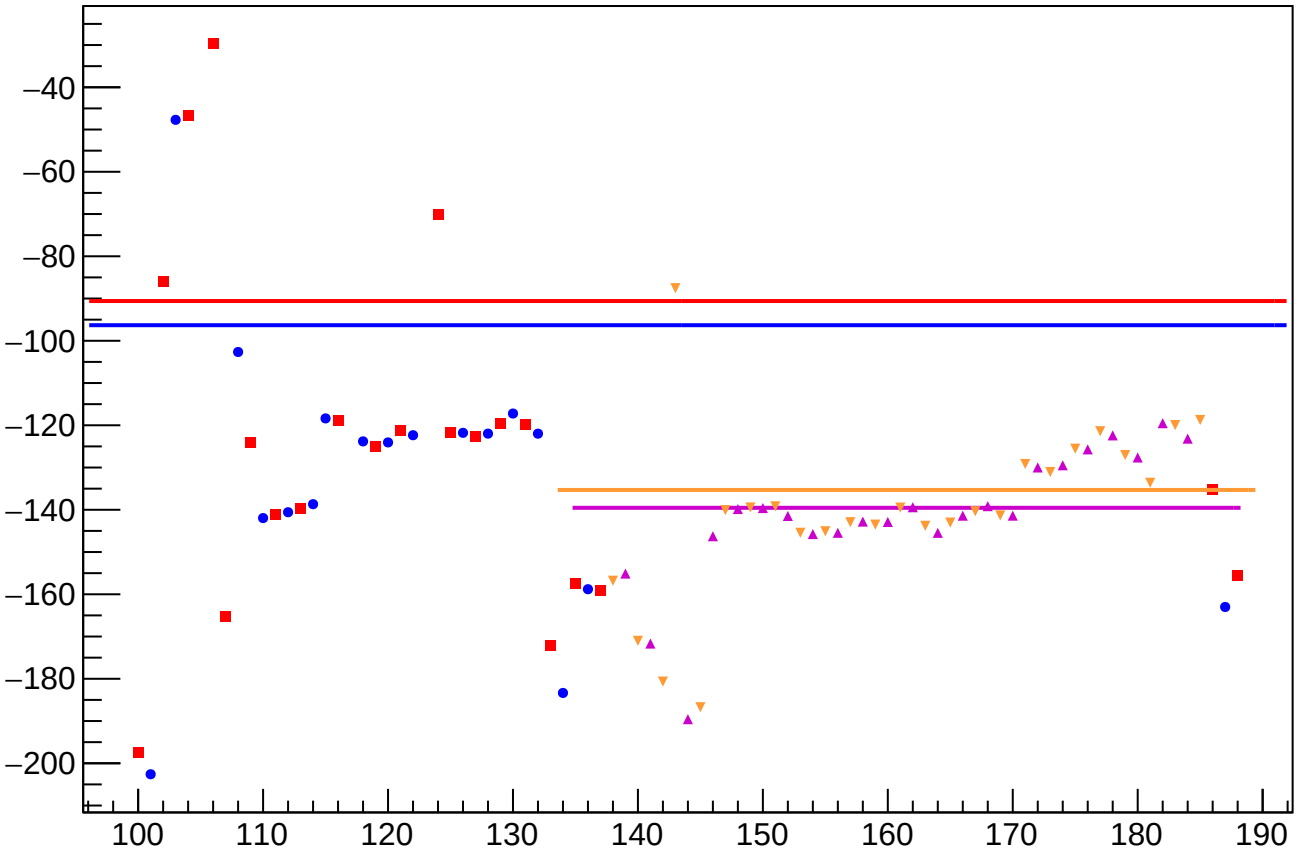
Left: 58.973+/-0.632 χ^2/NDF: 1230.6/47

Right: 37.424+/-0.930 χ^2/NDF: 523.6/37

In: 54.732+/-0.768 χ^2/NDF:851.1/39

Out: 49.940+/-0.714 χ^2/NDF:1249.5/45

All: 52.160+/-0.523 χ^2/NDF: 2121.6/85



Right In: -96.312+/-0.069 χ^2/NDF: 531775.3/16

Left Out: -135.305+/-0.041 χ^2/NDF:262874.5/24

Right Out: -90.593+/-0.064 χ^2/NDF: 554479.5/20

Left In: -139.533+/-0.042 χ^2/NDF:114482.7/22

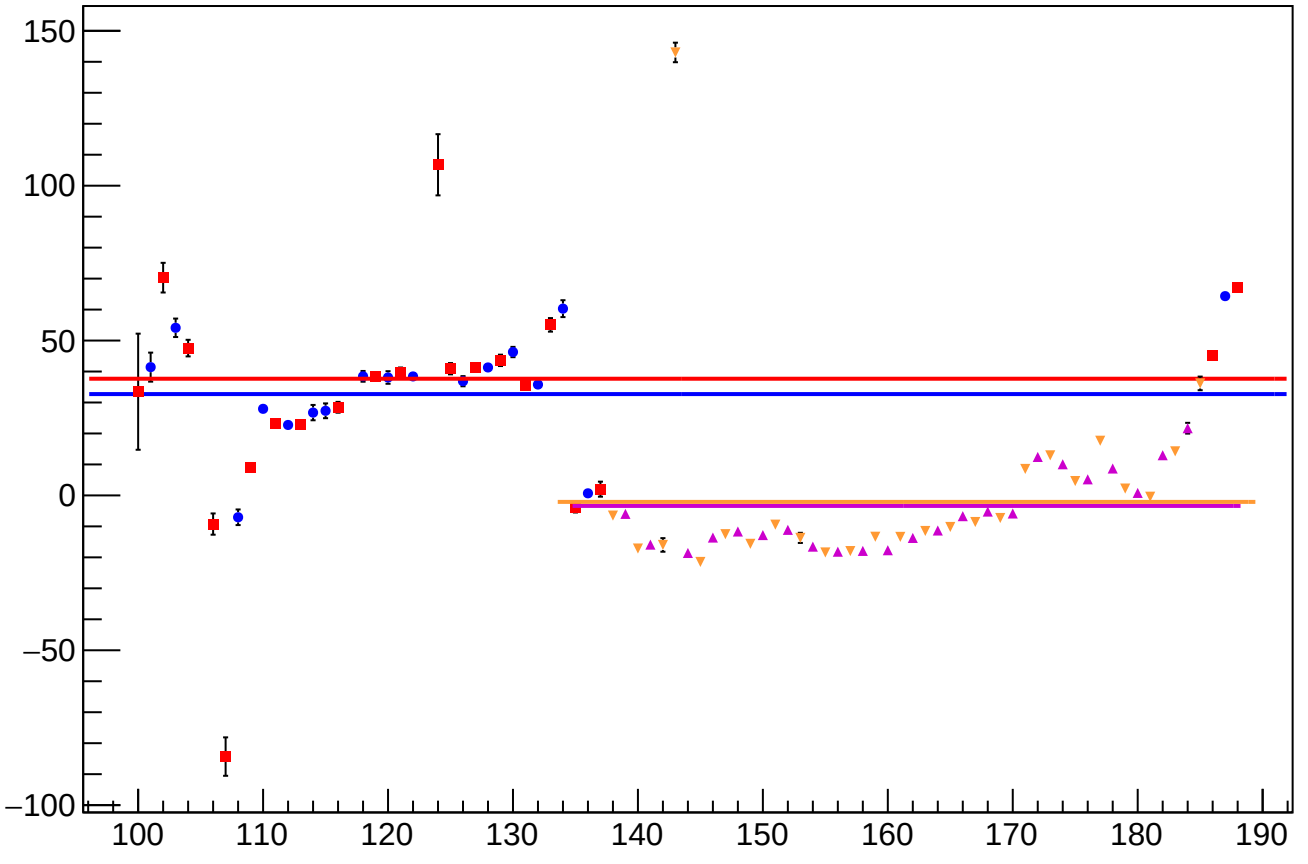
Left: -137.341+/-0.029 χ^2/NDF: 382584.2/47

Right: -93.254+/-0.047 χ^2/NDF: 1089927.0/37

In: -127.808+/-0.036 χ^2/NDF:932038.5/39

Out: -122.594+/-0.034 χ^2/NDF:1162567.0/45

All: -125.081+/-0.025 χ^2/NDF: 2105610.9/85



Right In: 32.716+/-0.403 χ^2/NDF: 2023.1/16

Left Out: -2.091+/-0.267 χ^2/NDF:4201.3/24

Right Out: 37.674+/-0.331 χ^2/NDF: 4291.8/20

Left In: -3.391+/-0.271 χ^2/NDF:1752.8/22

Left: -2.730+/-0.190 χ^2/NDF: 5965.8/47

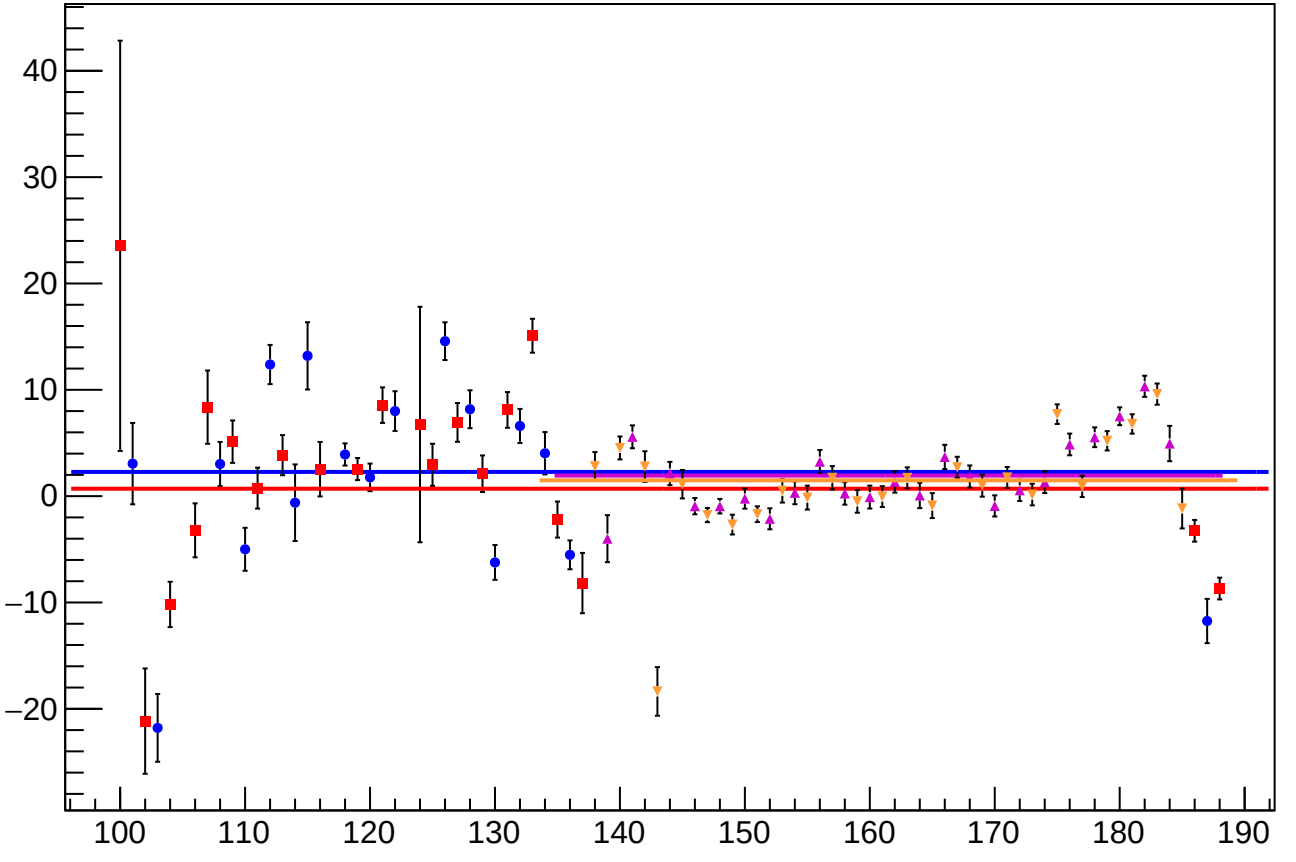
Right: 35.674+/-0.256 χ^2/NDF: 6405.3/37

In: 7.882+/-0.225 χ^2/NDF:9306.5/39

Out: 13.562+/-0.208 χ^2/NDF:17239.2/45

All: 10.948+/-0.153 χ^2/NDF: 26889.7/85

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.278+/-0.433 χ^2/NDF: 297.4/16

Left Out: 1.489+/-0.205 χ^2/NDF:328.6/24

Right Out: 0.700+/-0.384 χ^2/NDF: 314.5/20

Left In: 1.933+/-0.210 χ^2/NDF:240.7/22

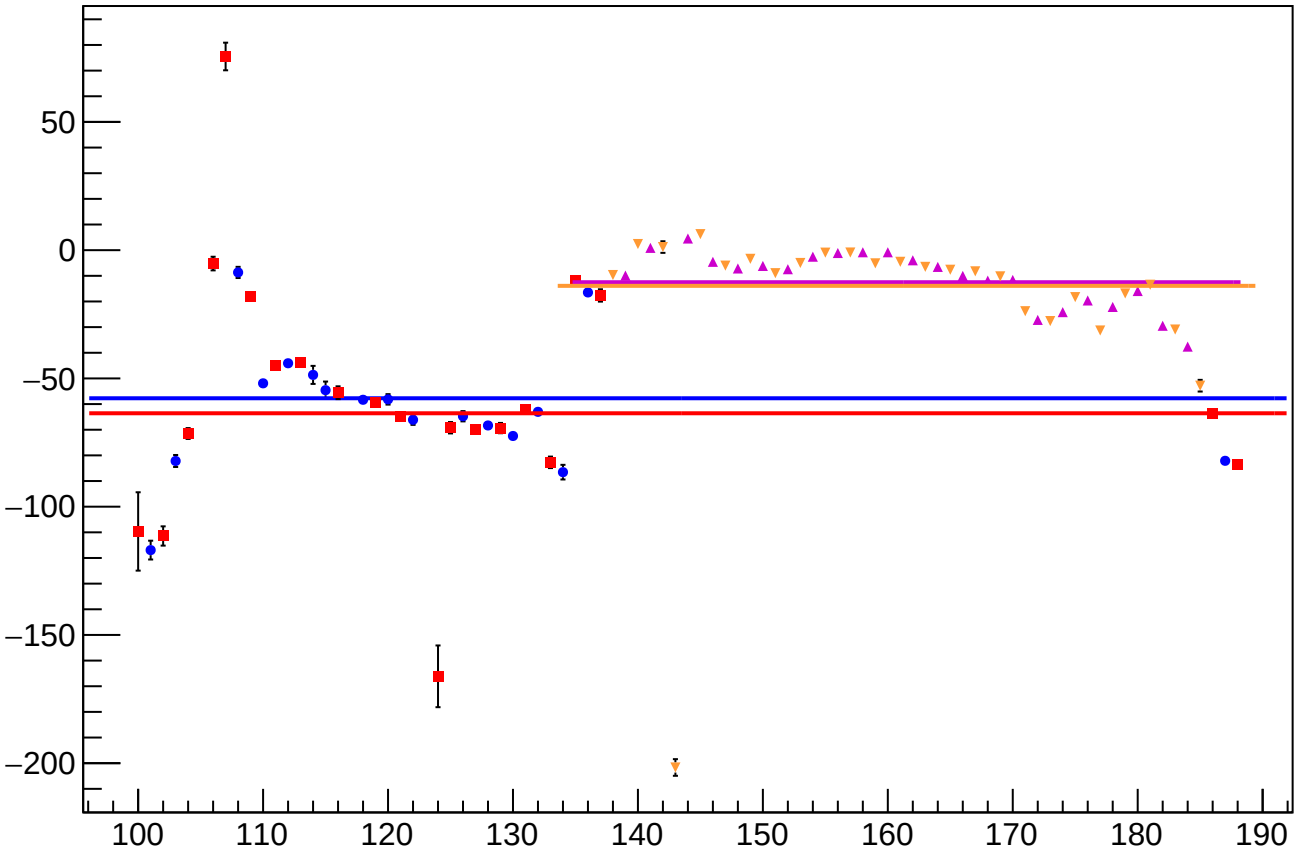
Left: 1.705+/-0.147 χ^2/NDF: 571.5/47

Right: 1.396+/-0.287 χ^2/NDF: 619.4/37

In: 1.999+/-0.189 χ^2/NDF:538.6/39

Out: 1.314+/-0.181 χ^2/NDF:646.3/45

All: 1.641+/-0.131 χ^2/NDF: 1191.8/85



Right In: -57.734+/-0.442 χ^2/NDF: 2986.4/16

Left Out: -13.908+/-0.265 χ^2/NDF:5128.3/24

Right Out: -63.583+/-0.329 χ^2/NDF: 4922.8/20

Left In: -12.494+/-0.269 χ^2/NDF:1430.3/22

Left: -13.212+/-0.189 χ^2/NDF: 6572.6/47

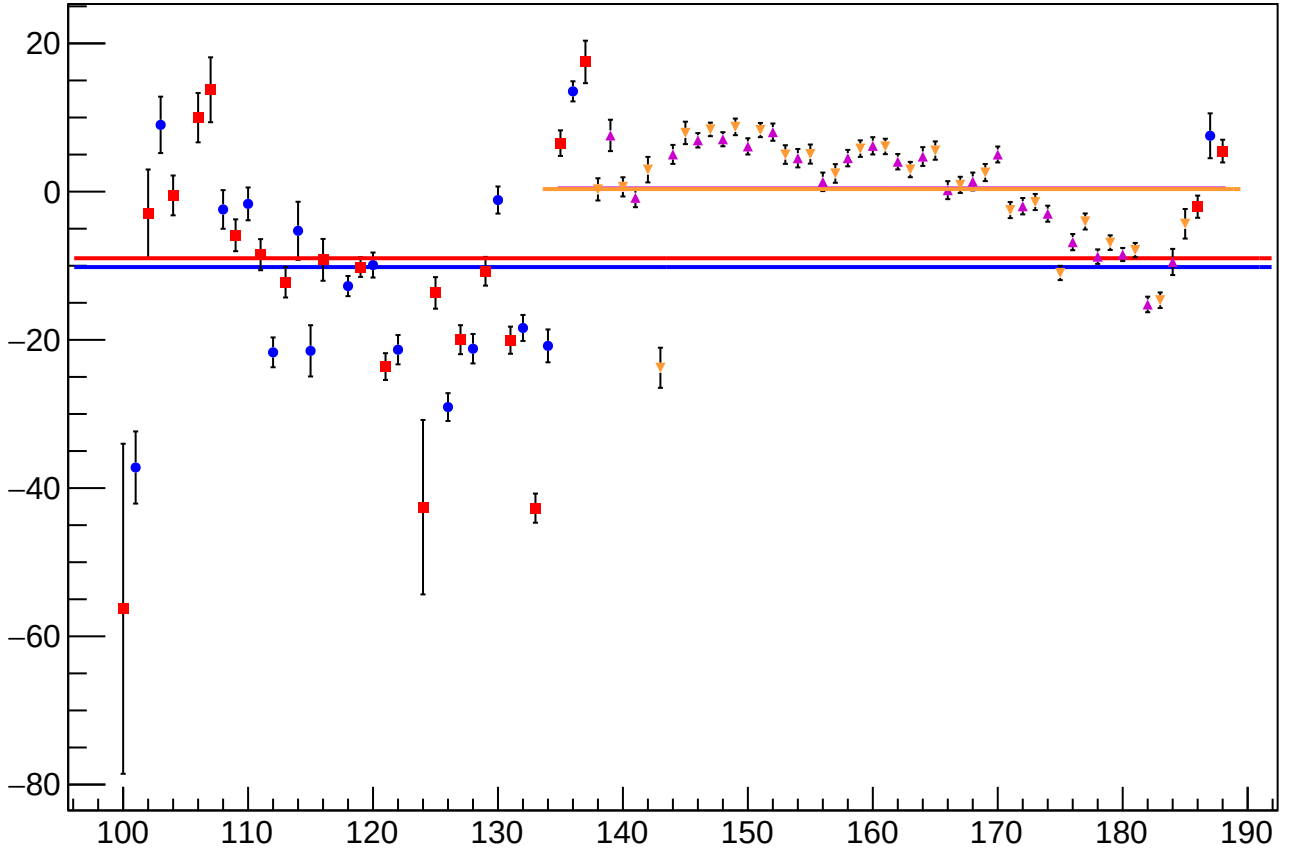
Right: -61.496+/-0.264 χ^2/NDF: 8021.7/37

In: -24.688+/-0.230 χ^2/NDF:12057.1/39

Out: -33.396+/-0.206 χ^2/NDF:23867.4/45

All: -29.506+/-0.153 χ^2/NDF: 36720.2/85

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -10.181+/-0.499 χ^2/NDF: 701.6/16

Left Out: 0.345+/-0.231 χ^2/NDF:921.9/24

Right Out: -8.986+/-0.465 χ^2/NDF: 799.0/20

Left In: 0.433+/-0.237 χ^2/NDF:782.1/22

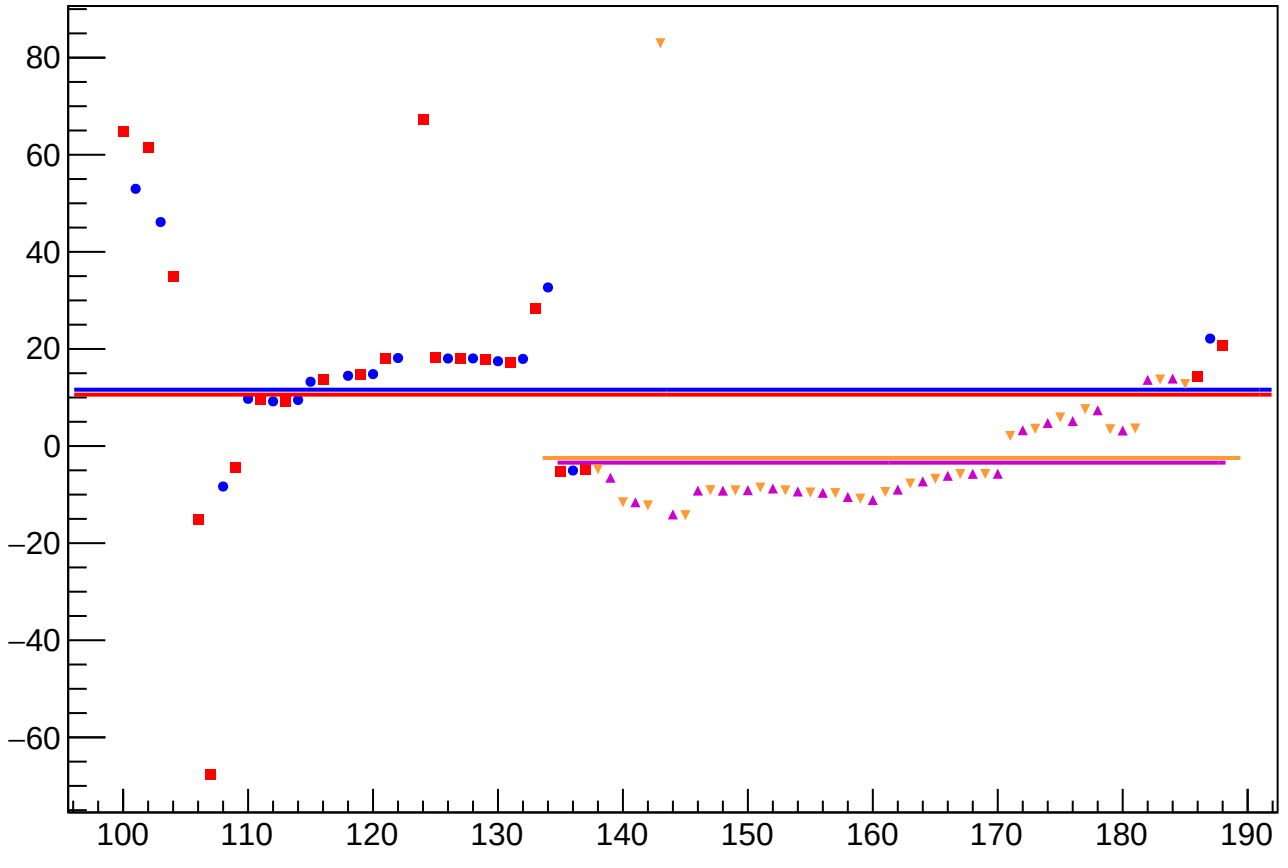
Left: 0.388+/-0.165 χ^2/NDF: 1704.0/47

Right: -9.542+/-0.340 χ^2/NDF: 1503.7/37

In: -1.519+/-0.214 χ^2/NDF:1853.6/39

Out: -1.507+/-0.207 χ^2/NDF:2043.8/45

All: -1.513+/-0.149 χ^2/NDF: 3897.4/85



Right In: 11.611+/-0.029 χ^2/NDF: 353395.2/16

Left Out: -2.452+/-0.010 χ^2/NDF:961833.3/24

Right Out: 10.594+/-0.028 χ^2/NDF: 457213.9/20

Left In: -3.418+/-0.010 χ^2/NDF:546802.2/22

Left: -2.931+/-0.007 χ^2/NDF: 1512952.8/47

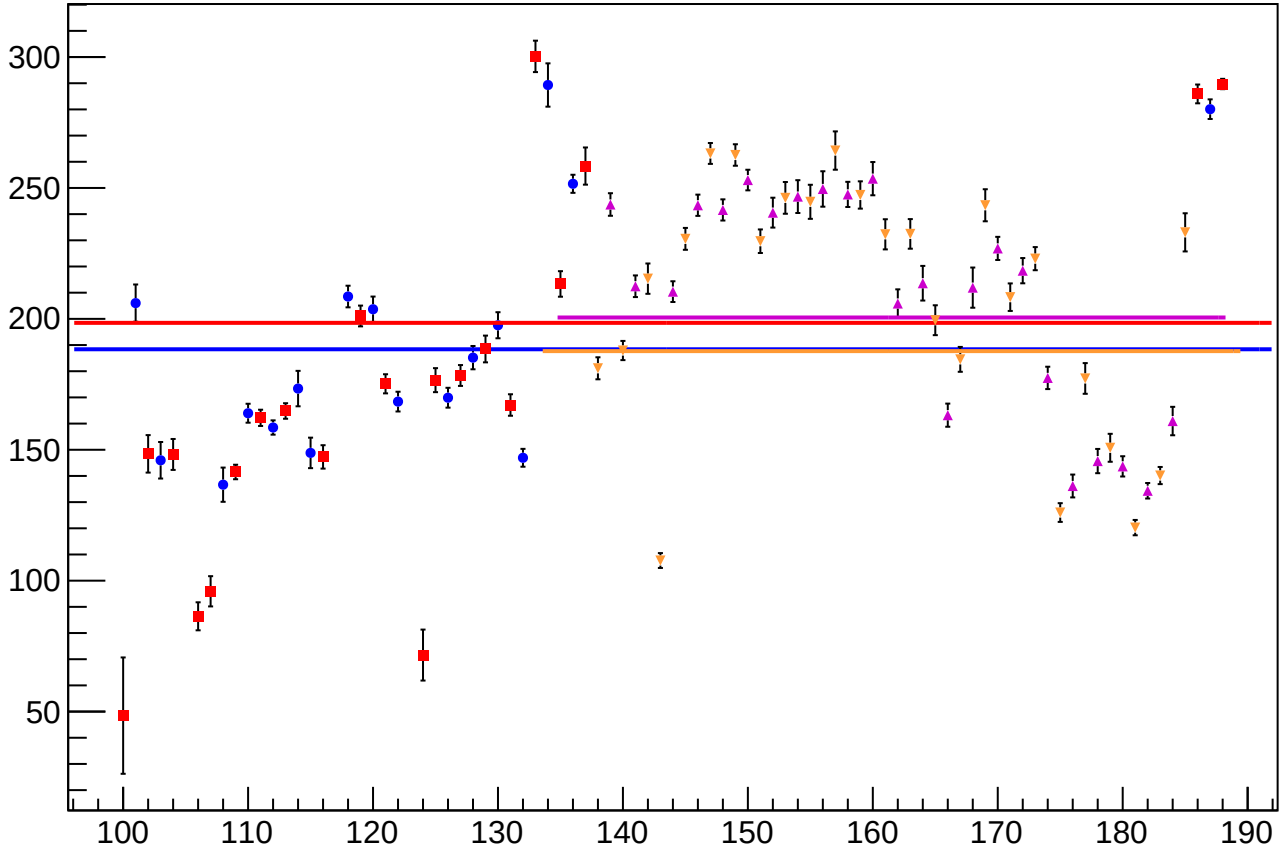
Right: 11.081+/-0.020 χ^2/NDF: 811230.2/37

In: -1.741+/-0.010 χ^2/NDF:1131428.2/39

Out: -0.904+/-0.010 χ^2/NDF:1607456.0/45

All: -1.318+/-0.007 χ^2/NDF: 2742545.0/85

reg_asym_at1_avg_at2_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 188.385+/-1.046 χ^2/NDF: 1642.6/16

Left Out: 187.681+/-0.898 χ^2/NDF:3528.3/24

Right Out: 198.477+/-0.879 χ^2/NDF: 5150.3/20

Left In: 200.521+/-0.955 χ^2/NDF:2111.4/22

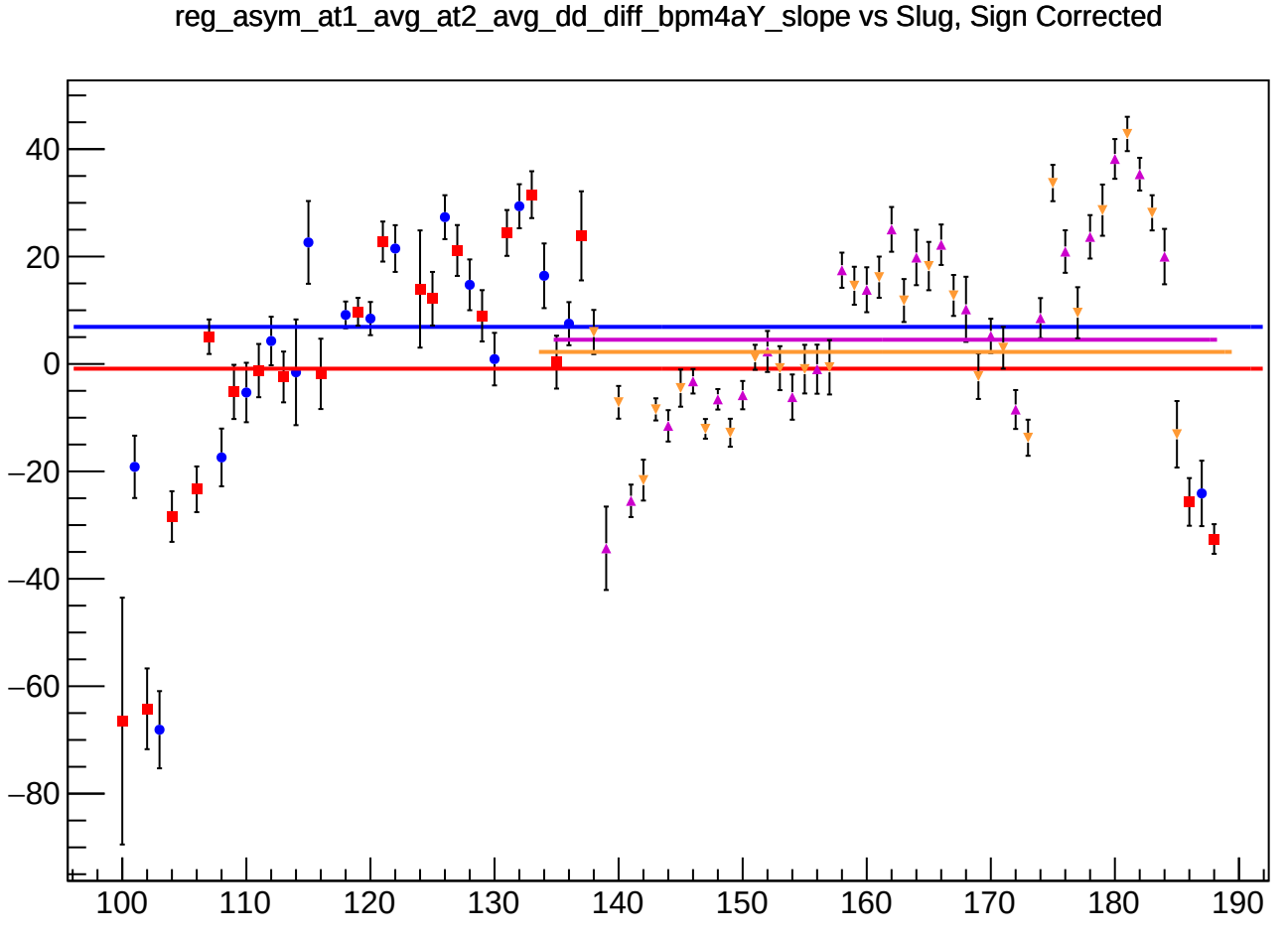
Left: 193.703+/-0.654 χ^2/NDF: 5735.7/47

Right: 194.299+/-0.673 χ^2/NDF: 6847.4/37

In: 195.005+/-0.705 χ^2/NDF:3827.5/39

Out: 193.189+/-0.628 χ^2/NDF:8752.4/45

All: 193.992+/-0.469 χ^2/NDF: 12583.5/85



Right In: 6.906+/-1.095 χ^2/NDF: 259.7/16

Left Out: 2.245+/-0.665 χ^2/NDF:600.9/24

Right Out: -0.880+/-0.967 χ^2/NDF: 499.6/20

Left In: 4.513+/-0.714 χ^2/NDF:547.1/22

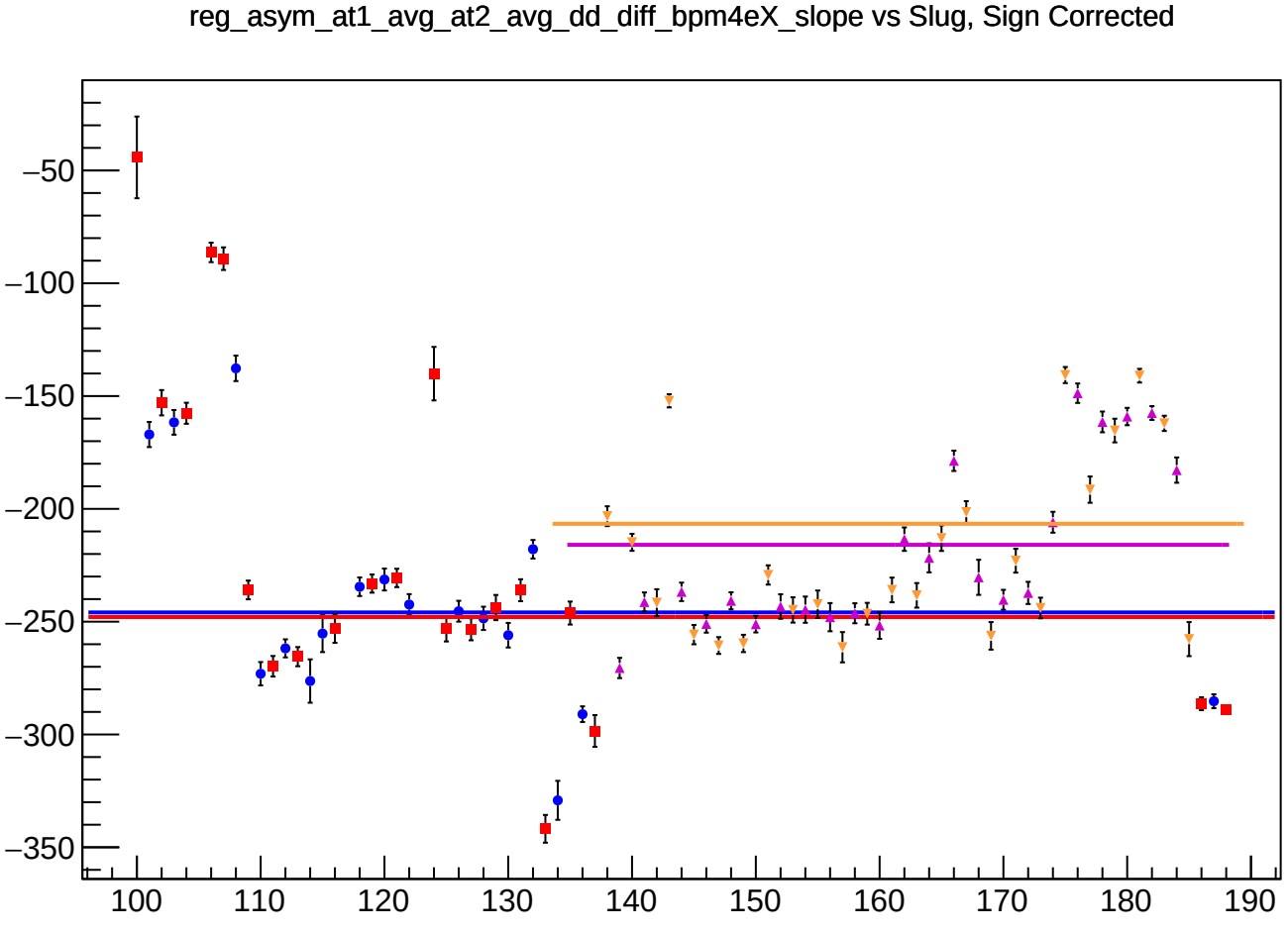
Left: 3.298+/-0.486 χ^2/NDF: 1153.4/47

Right: 2.533+/-0.725 χ^2/NDF: 787.7/37

In: 5.227+/-0.598 χ^2/NDF:810.2/39

Out: 1.243+/-0.548 χ^2/NDF:1107.6/45

All: 3.060+/-0.404 χ^2/NDF: 1941.8/85



Right In: -245.907+/-1.155 χ^2/NDF: 1352.3/16

Left Out: -206.617+/-0.895 χ^2/NDF:2467.8/24

Right Out: -247.949+/-0.898 χ^2/NDF: 4494.4/20

Left In: -215.938+/-0.946 χ^2/NDF:1711.9/22

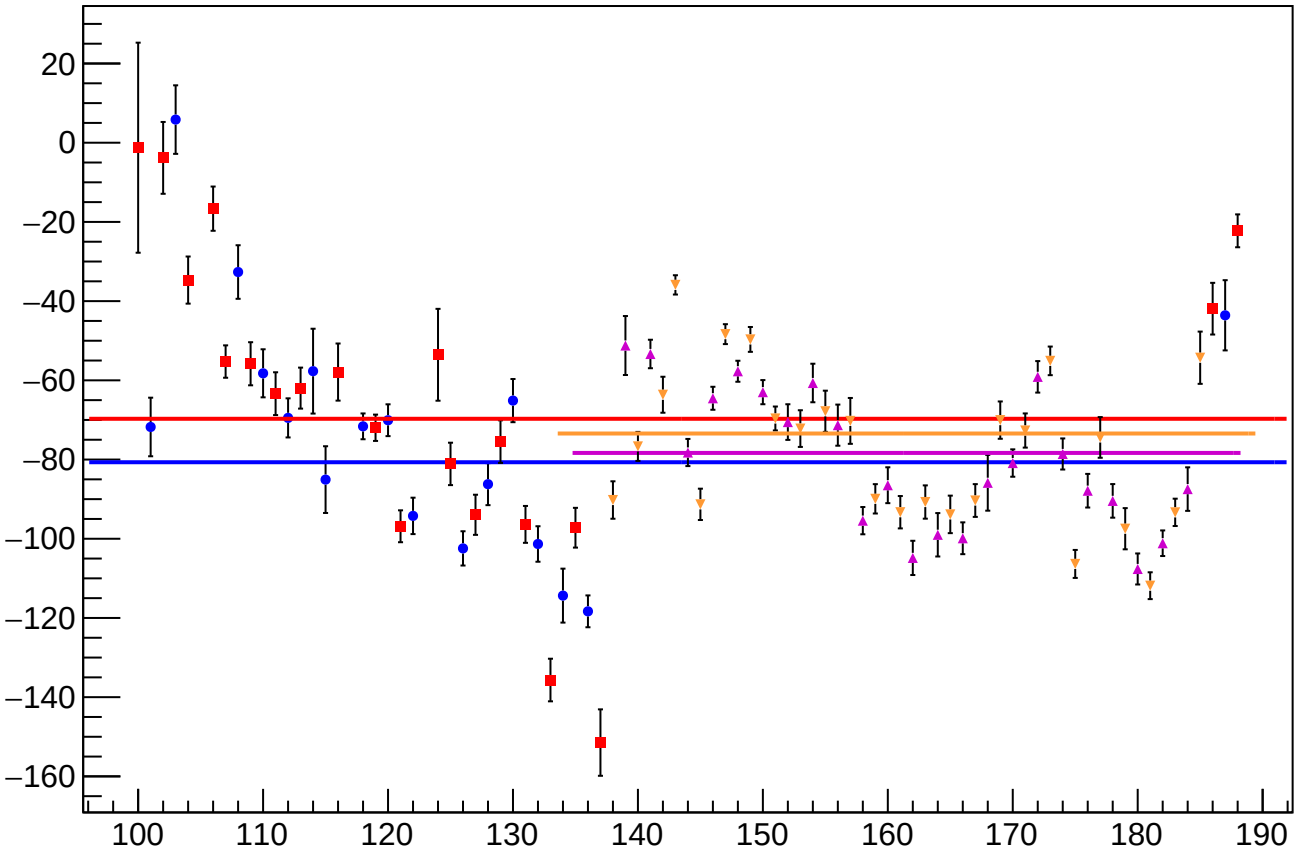
Left: -211.017+/-0.650 χ^2/NDF: 4230.9/47

Right: -247.180+/-0.709 χ^2/NDF: 5848.7/37

In: -227.978+/-0.732 χ^2/NDF:3467.4/39

Out: -227.217+/-0.634 χ^2/NDF:8025.8/45

All: -227.543+/-0.479 χ^2/NDF: 11493.8/85



Right In: -80.680+/-1.273 χ^2/NDF: 384.4/16

Left Out: -73.426+/-0.767 χ^2/NDF:836.6/24

Right Out: -69.707+/-1.161 χ^2/NDF: 743.0/20

Left In: -78.329+/-0.817 χ^2/NDF:443.2/22

Left: -75.722+/-0.559 χ^2/NDF: 1298.9/47

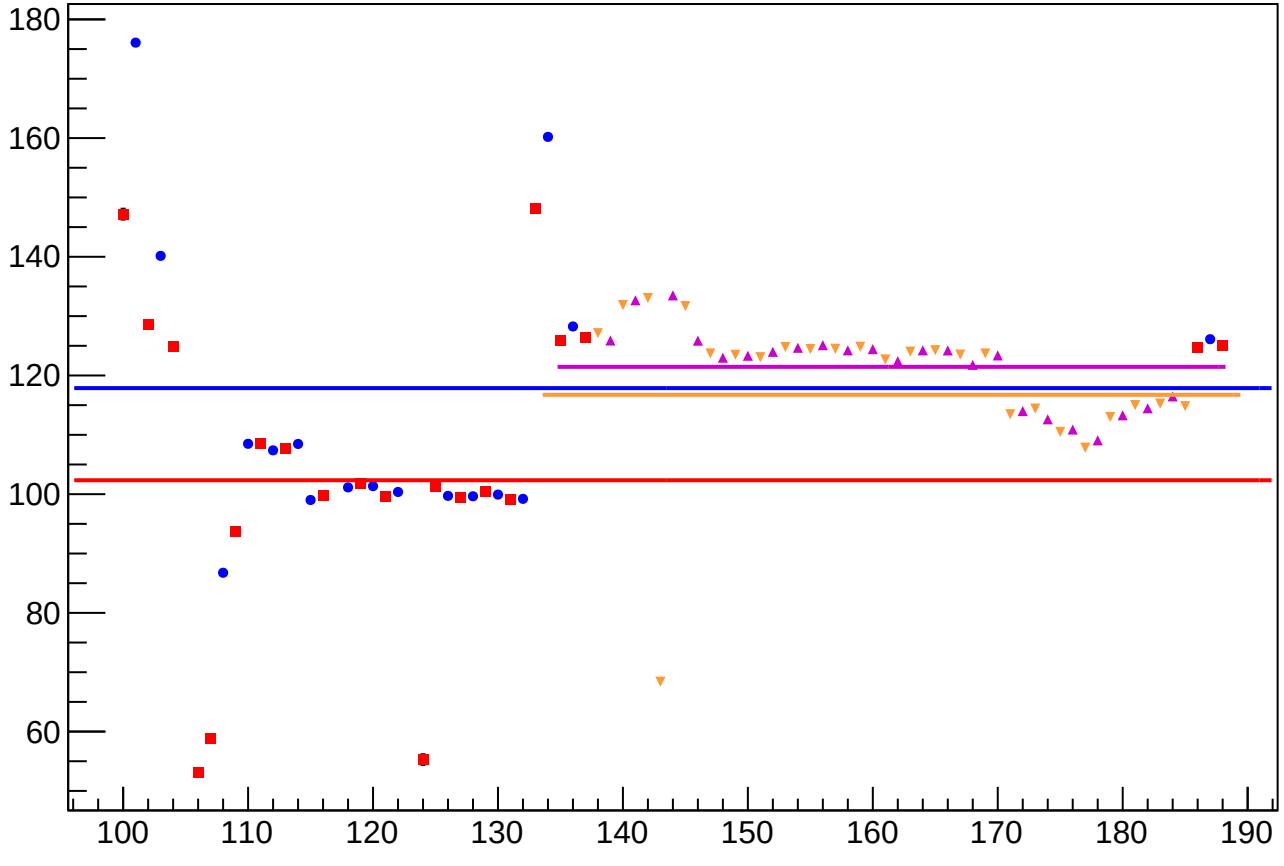
Right: -74.686+/-0.858 χ^2/NDF: 1167.9/37

In: -79.015+/-0.688 χ^2/NDF:830.0/39

Out: -72.296+/-0.640 χ^2/NDF:1586.7/45

All: -75.413+/-0.469 χ^2/NDF: 2467.9/85

reg_asym_at1_avg_at2_avg_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 117.873+/-0.077 χ^2/NDF: 95682.3/16

Left Out: 116.740+/-0.036 χ^2/NDF:203650.9/24

Right Out: 102.348+/-0.066 χ^2/NDF: 180303.8/20

Left In: 121.455+/-0.037 χ^2/NDF:28796.4/22

Left: 119.004+/-0.026 χ^2/NDF: 240766.9/47

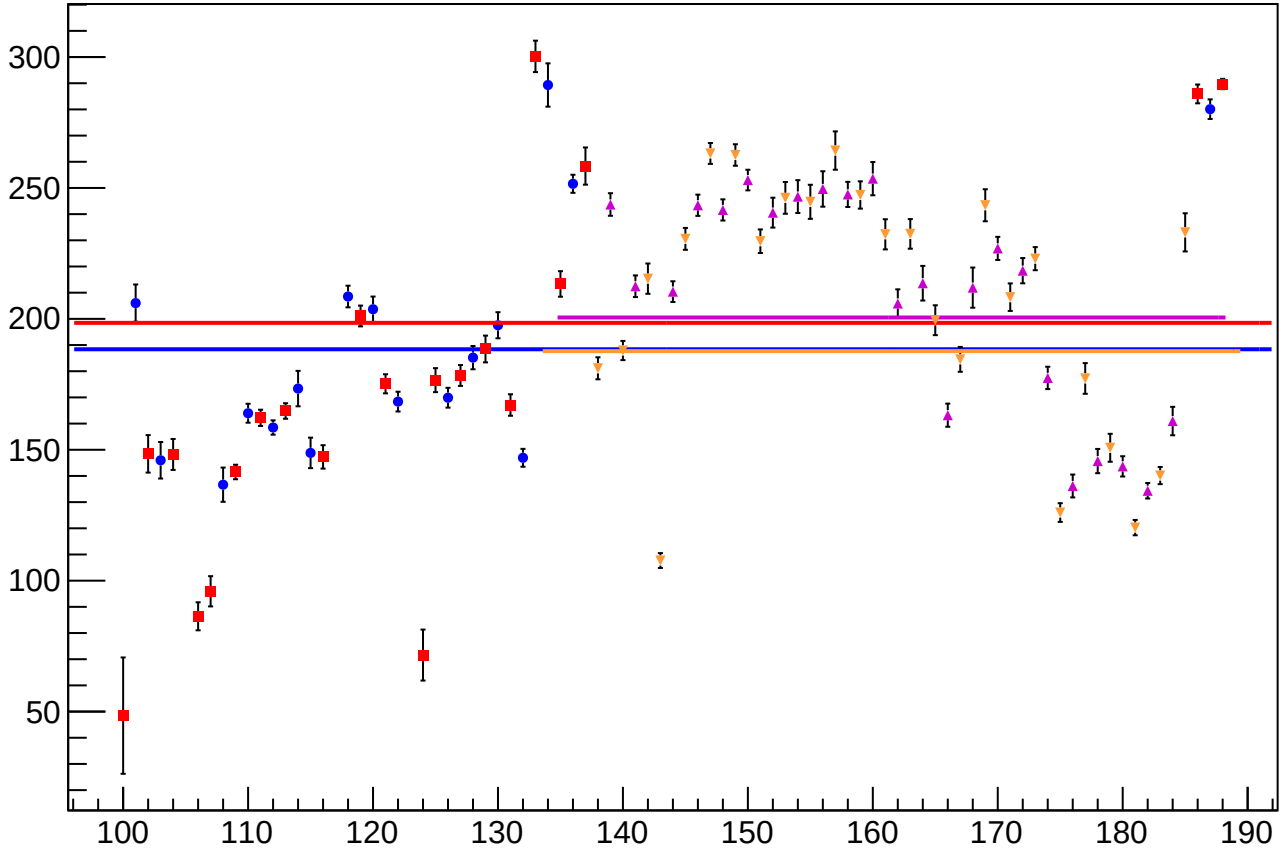
Right: 108.939+/-0.050 χ^2/NDF: 299203.5/37

In: 120.779+/-0.034 χ^2/NDF:126221.9/39

Out: 113.496+/-0.032 χ^2/NDF:420358.6/45

All: 116.909+/-0.023 χ^2/NDF: 571598.5/85

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 188.385+/-1.046 χ^2/NDF: 1642.6/16

Left Out: 187.681+/-0.898 χ^2/NDF:3528.3/24

Right Out: 198.477+/-0.879 χ^2/NDF: 5150.3/20

Left In: 200.521+/-0.955 χ^2/NDF:2111.4/22

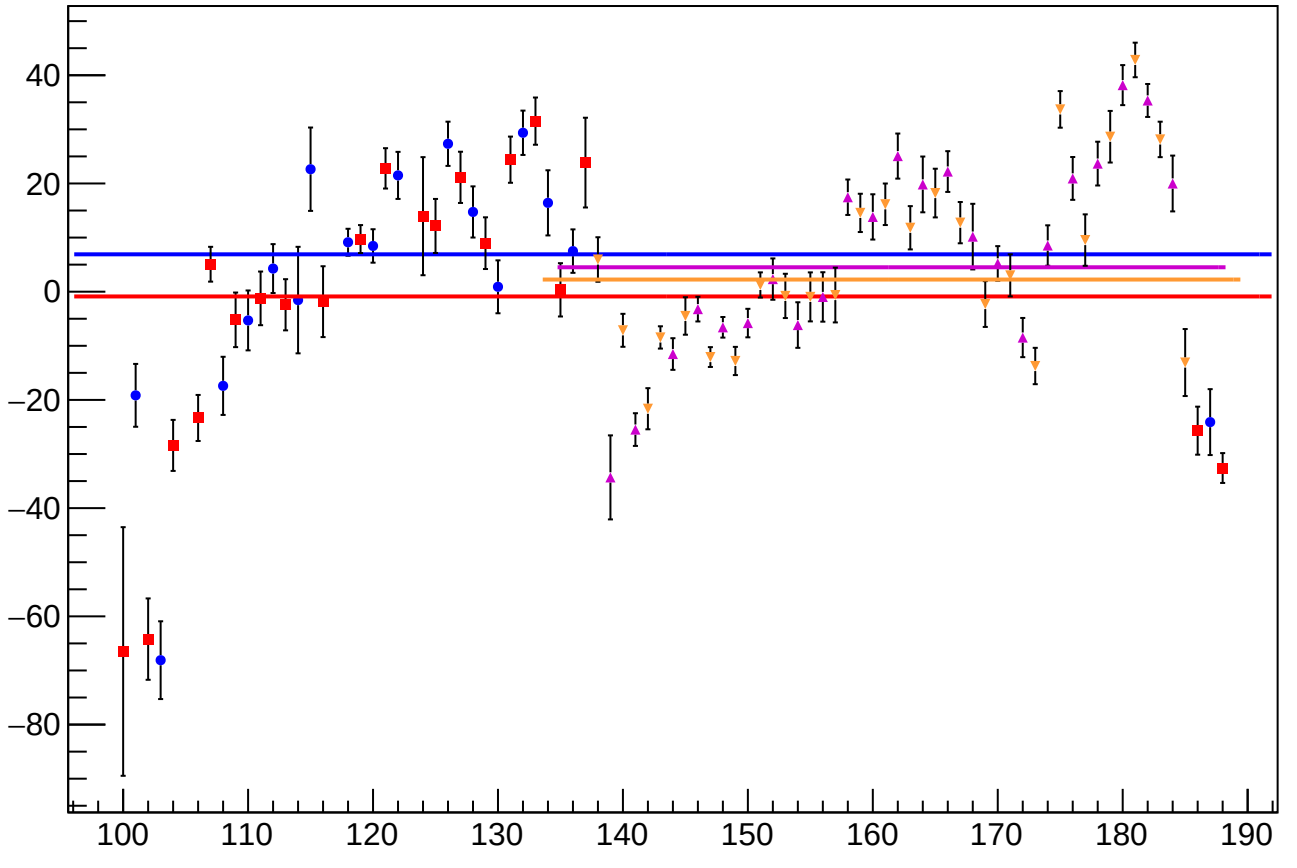
Left: 193.703+/-0.654 χ^2/NDF: 5735.7/47

Right: 194.299+/-0.673 χ^2/NDF: 6847.4/37

In: 195.005+/-0.705 χ^2/NDF:3827.5/39

Out: 193.189+/-0.628 χ^2/NDF:8752.4/45

All: 193.992+/-0.469 χ^2/NDF: 12583.5/85



Right In: 6.906+/-1.095 χ^2/NDF: 259.7/16

Left Out: 2.245+/-0.665 χ^2/NDF:600.9/24

Right Out: -0.880+/-0.967 χ^2/NDF: 499.6/20

Left In: 4.513+/-0.714 χ^2/NDF:547.1/22

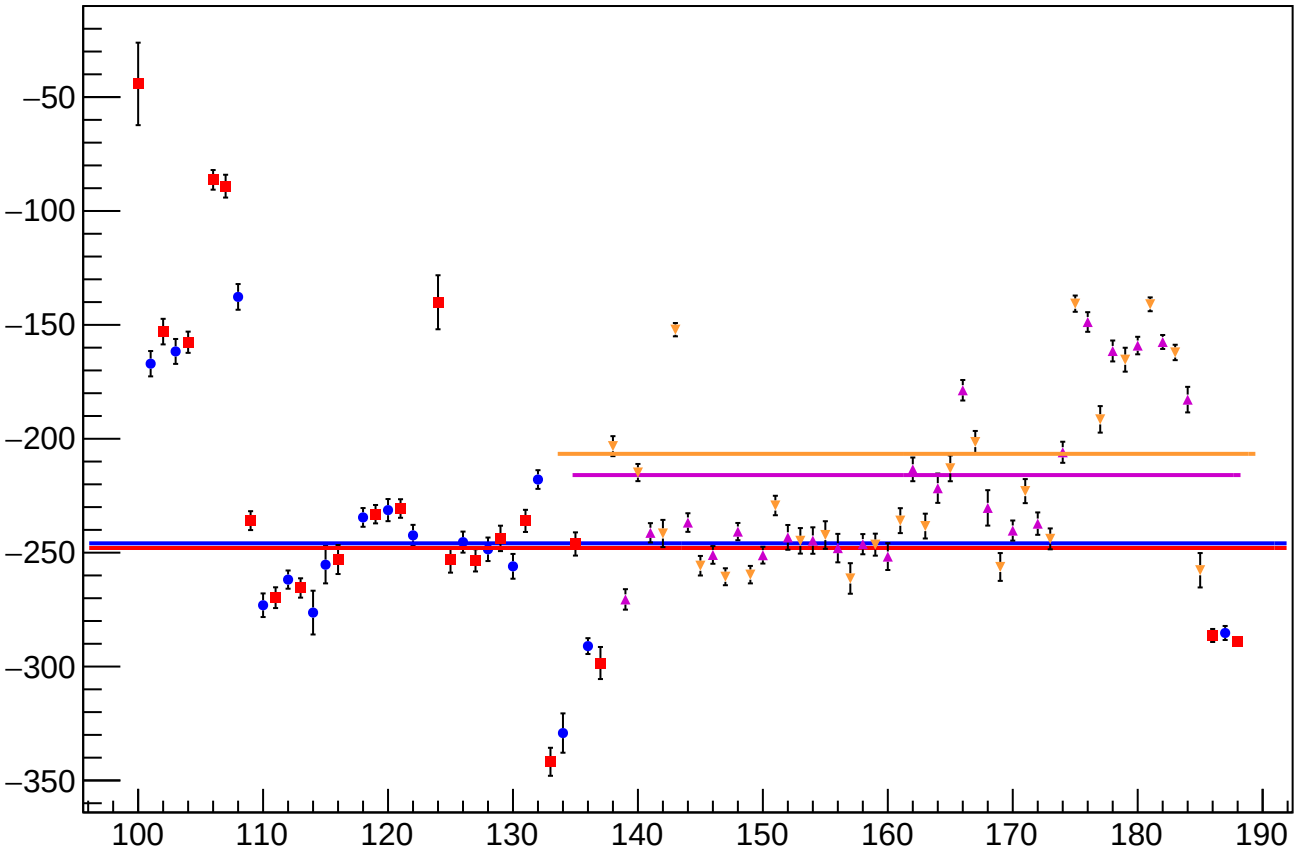
Left: 3.298+/-0.486 χ^2/NDF: 1153.4/47

Right: 2.533+/-0.725 χ^2/NDF: 787.7/37

In: 5.227+/-0.598 χ^2/NDF:810.2/39

Out: 1.243+/-0.548 χ^2/NDF:1107.6/45

All: 3.060+/-0.404 χ^2/NDF: 1941.8/85



Right In: -245.907+/-1.155 χ^2/NDF: 1352.3/16

Left Out: -206.617+/-0.895 χ^2/NDF:2467.8/24

Right Out: -247.949+/-0.898 χ^2/NDF: 4494.4/20

Left In: -215.938+/-0.946 χ^2/NDF:1711.9/22

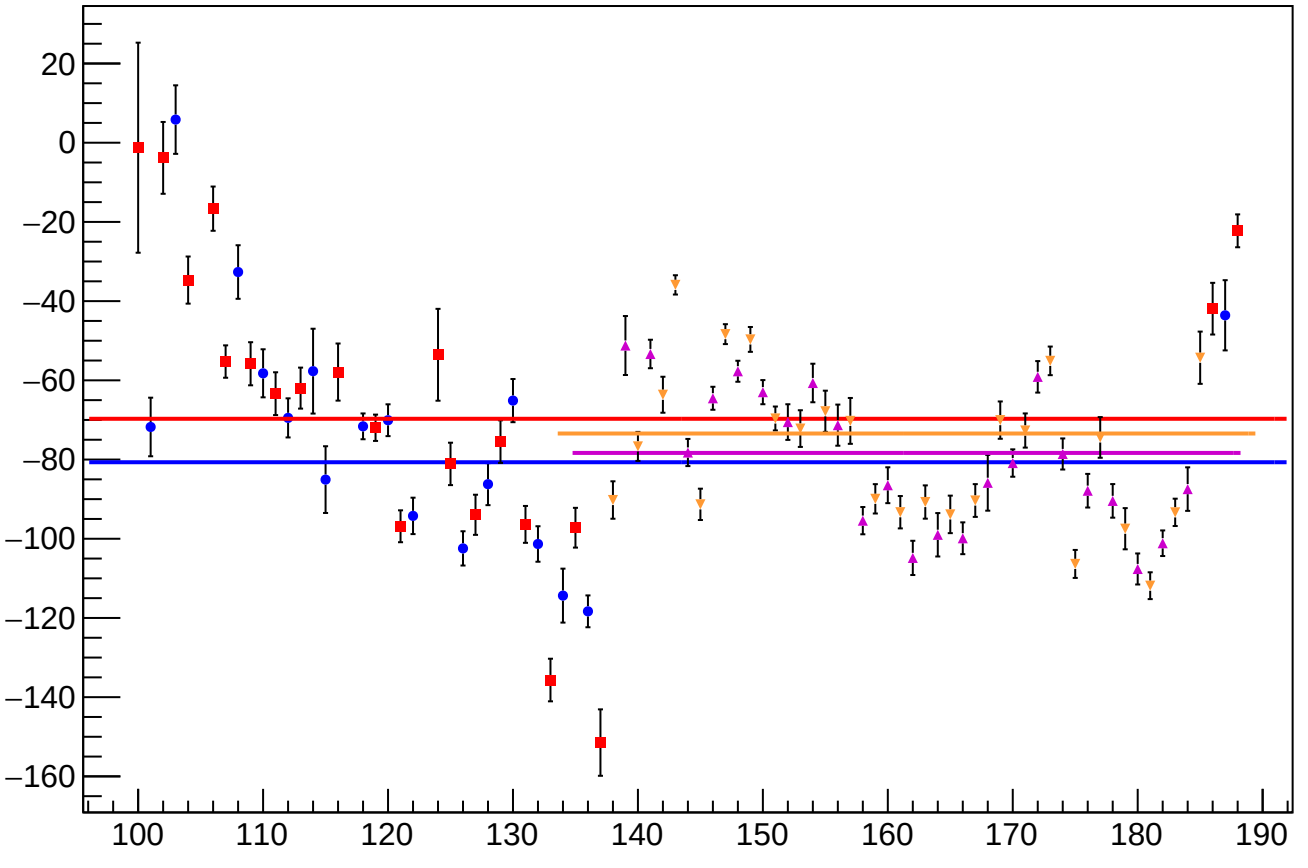
Left: -211.017+/-0.650 χ^2/NDF: 4230.9/47

Right: -247.180+/-0.709 χ^2/NDF: 5848.7/37

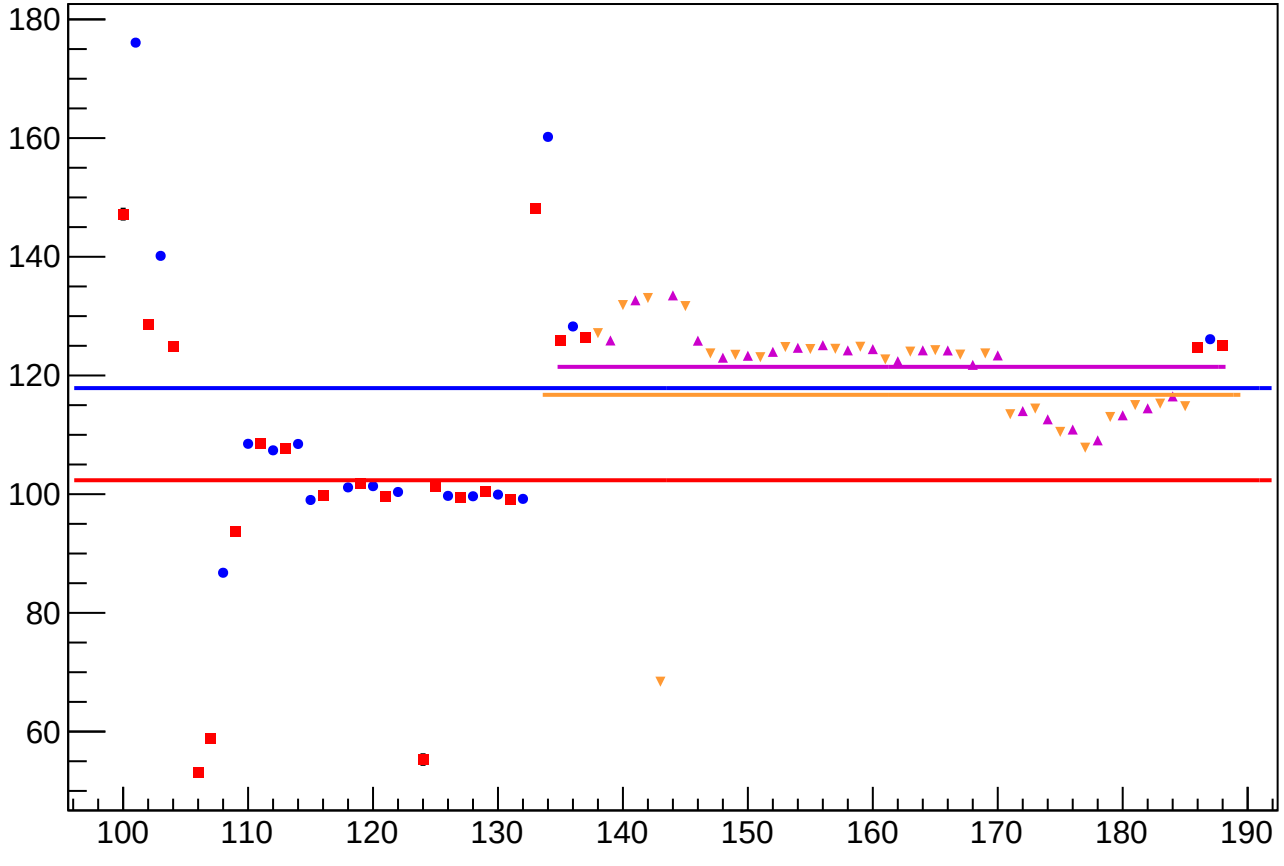
In: -227.978+/-0.732 χ^2/NDF:3467.4/39

Out: -227.217+/-0.634 χ^2/NDF:8025.8/45

All: -227.543+/-0.479 χ^2/NDF: 11493.8/85


reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
20
0
−20
−40
−60
−80
−100
−120
−140
−160
100
110
120
130
140
150
160
170
180
190
Right In: -80.680+/-1.273 χ²/NDF: 384.4/16
Left Out: -73.426+/-0.767 χ²/NDF:836.6/24
Right Out: -69.707+/-1.161 χ²/NDF: 743.0/20
Left In: -78.329+/-0.817 χ²/NDF:443.2/22
Left: -75.722+/-0.559 χ²/NDF: 1298.9/47
Right: -74.686+/-0.858 χ²/NDF: 1167.9/37
In: -79.015+/-0.688 χ²/NDF:830.0/39
Out: -72.296+/-0.640 χ²/NDF:1586.7/45
All: -75.413+/-0.469 χ²/NDF: 2467.9/85

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 117.873+/-0.077 χ^2/NDF: 95682.3/16

Left Out: 116.740+/-0.036 χ^2/NDF:203650.9/24

Right Out: 102.348+/-0.066 χ^2/NDF: 180303.8/20

Left In: 121.455+/-0.037 χ^2/NDF:28796.4/22

Left: 119.004+/-0.026 χ^2/NDF: 240766.9/47

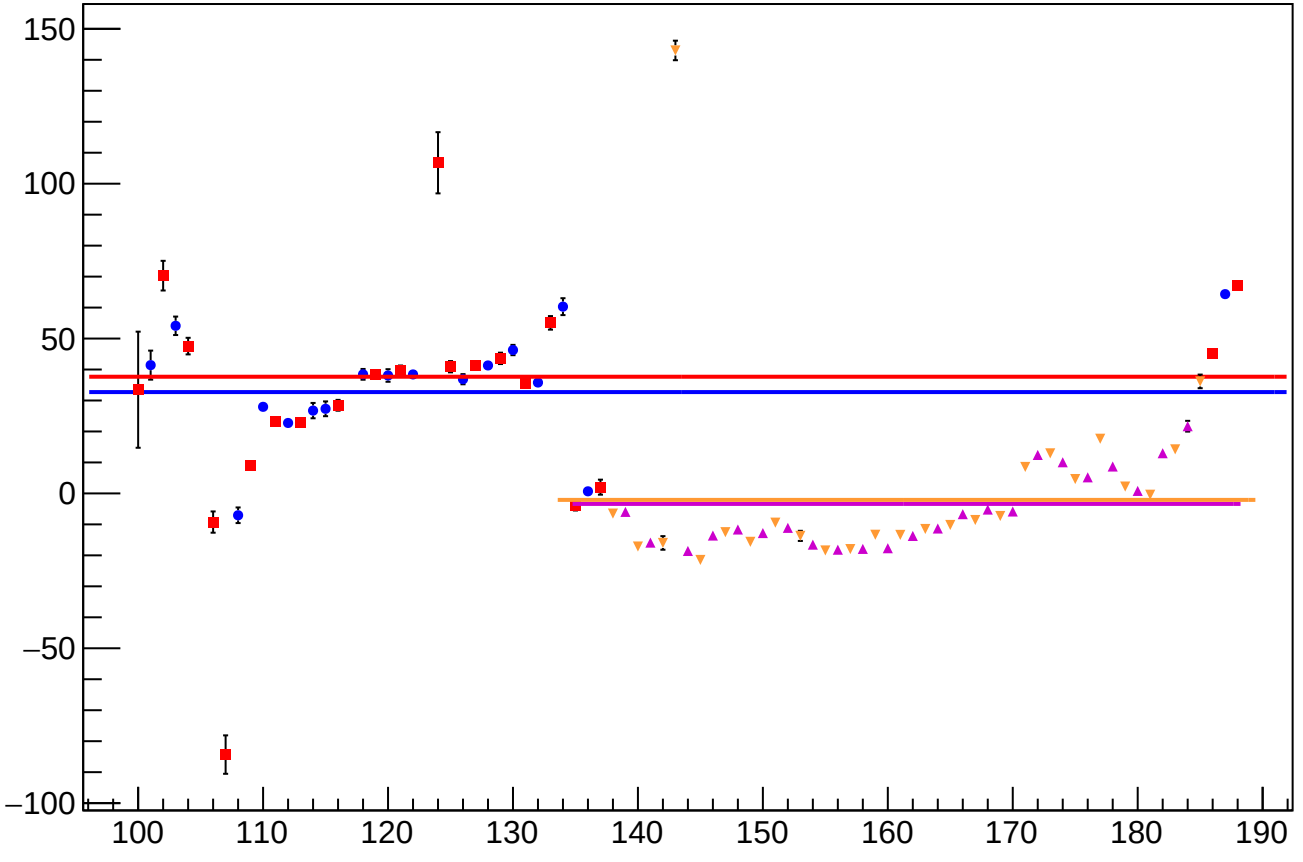
Right: 108.939+/-0.050 χ^2/NDF: 299203.5/37

In: 120.779+/-0.034 χ^2/NDF:126221.9/39

Out: 113.496+/-0.032 χ^2/NDF:420358.6/45

All: 116.909+/-0.023 χ^2/NDF: 571598.5/85

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 32.716+/-0.403 χ^2/NDF: 2023.1/16

Left Out: -2.091+/-0.267 χ^2/NDF:4201.3/24

Right Out: 37.674+/-0.331 χ^2/NDF: 4291.8/20

Left In: -3.391+/-0.271 χ^2/NDF:1752.8/22

Left: -2.730+/-0.190 χ^2/NDF: 5965.8/47

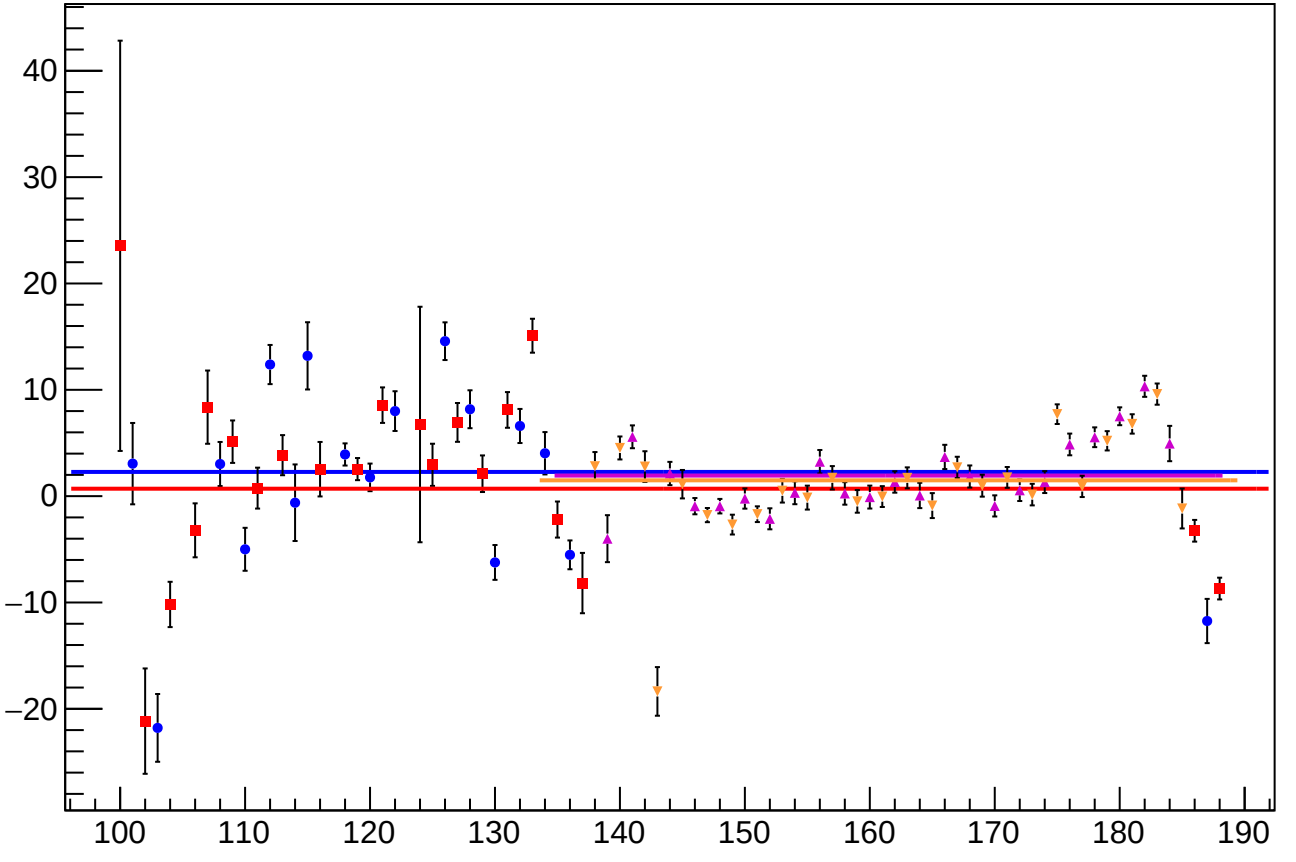
Right: 35.674+/-0.256 χ^2/NDF: 6405.3/37

In: 7.882+/-0.225 χ^2/NDF:9306.5/39

Out: 13.562+/-0.208 χ^2/NDF:17239.2/45

All: 10.948+/-0.153 χ^2/NDF: 26889.7/85

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.278+/-0.433 χ^2/NDF: 297.4/16

Left Out: 1.489+/-0.205 χ^2/NDF:328.6/24

Right Out: 0.700+/-0.384 χ^2/NDF: 314.5/20

Left In: 1.933+/-0.210 χ^2/NDF:240.7/22

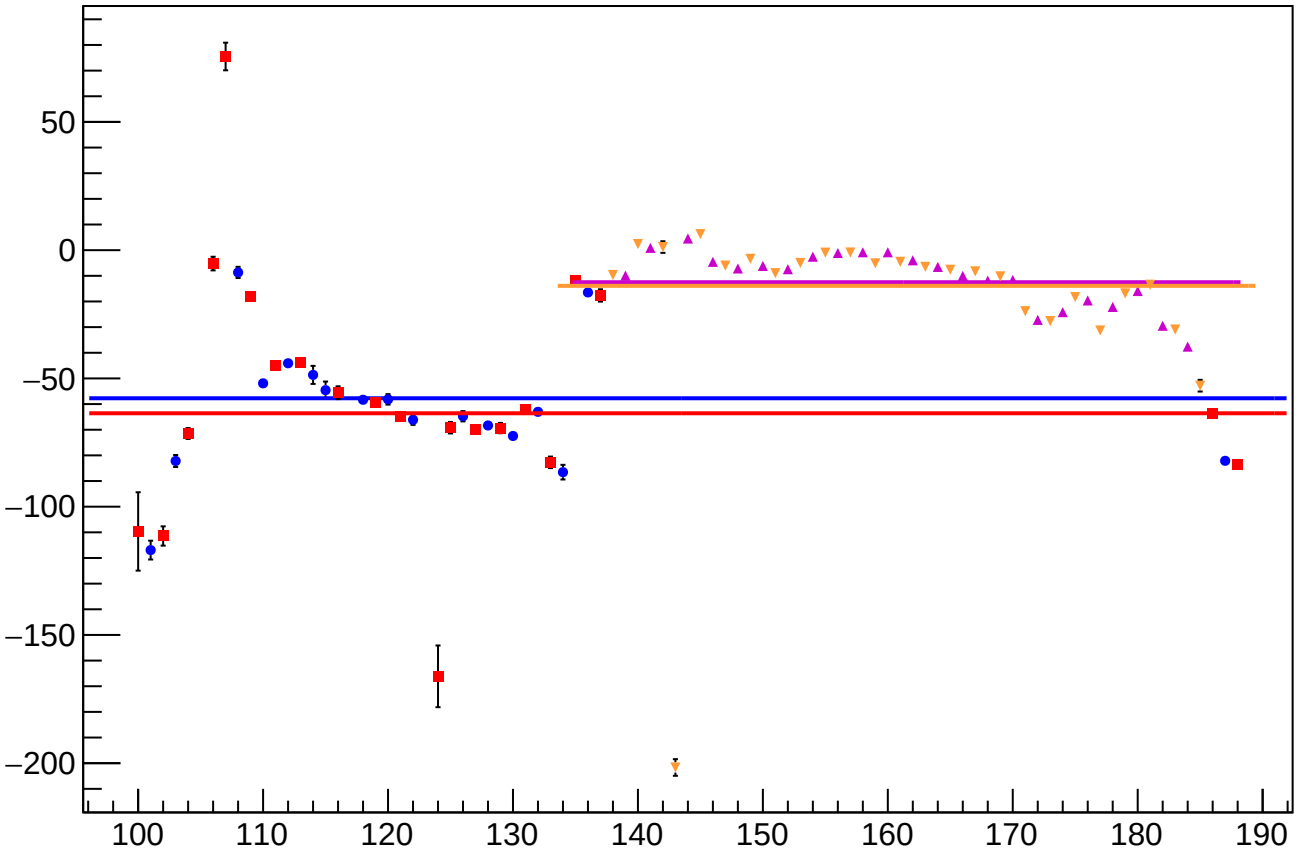
Left: 1.705+/-0.147 χ^2/NDF: 571.5/47

Right: 1.396+/-0.287 χ^2/NDF: 619.4/37

In: 1.999+/-0.189 χ^2/NDF:538.6/39

Out: 1.314+/-0.181 χ^2/NDF:646.3/45

All: 1.641+/-0.131 χ^2/NDF: 1191.8/85



Right In: -57.734+/-0.442 χ^2/NDF: 2986.4/16

Left Out: -13.908+/-0.265 χ^2/NDF:5128.3/24

Right Out: -63.583+/-0.329 χ^2/NDF: 4922.8/20

Left In: -12.494+/-0.269 χ^2/NDF:1430.3/22

Left: -13.212+/-0.189 χ^2/NDF: 6572.6/47

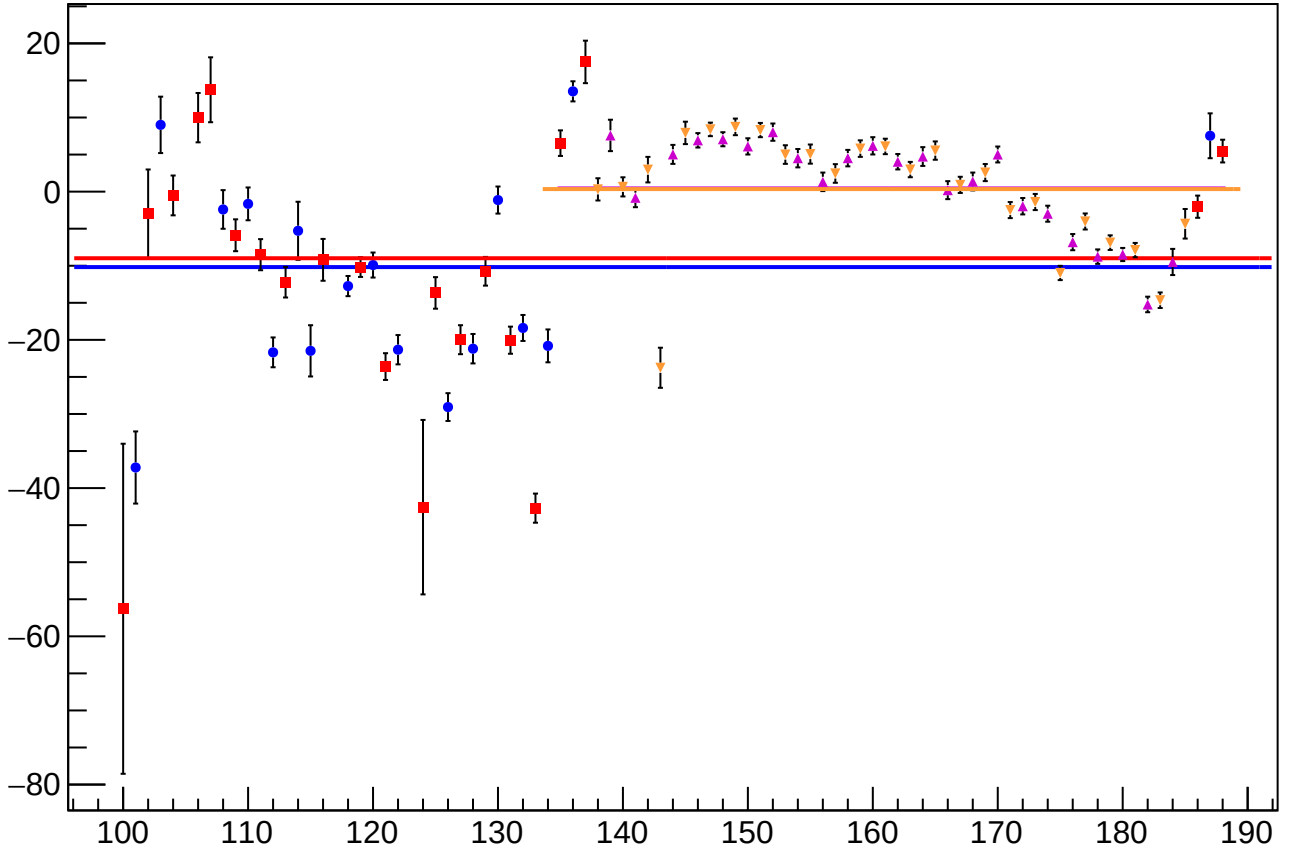
Right: -61.496+/-0.264 χ^2/NDF: 8021.7/37

In: -24.688+/-0.230 χ^2/NDF:12057.1/39

Out: -33.396+/-0.206 χ^2/NDF:23867.4/45

All: -29.506+/-0.153 χ^2/NDF: 36720.2/85

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -10.181+/-0.499 χ^2/NDF: 701.6/16

Left Out: 0.345+/-0.231 χ^2/NDF:921.9/24

Right Out: -8.986+/-0.465 χ^2/NDF: 799.0/20

Left In: 0.433+/-0.237 χ^2/NDF:782.1/22

Left: 0.388+/-0.165 χ^2/NDF: 1704.0/47

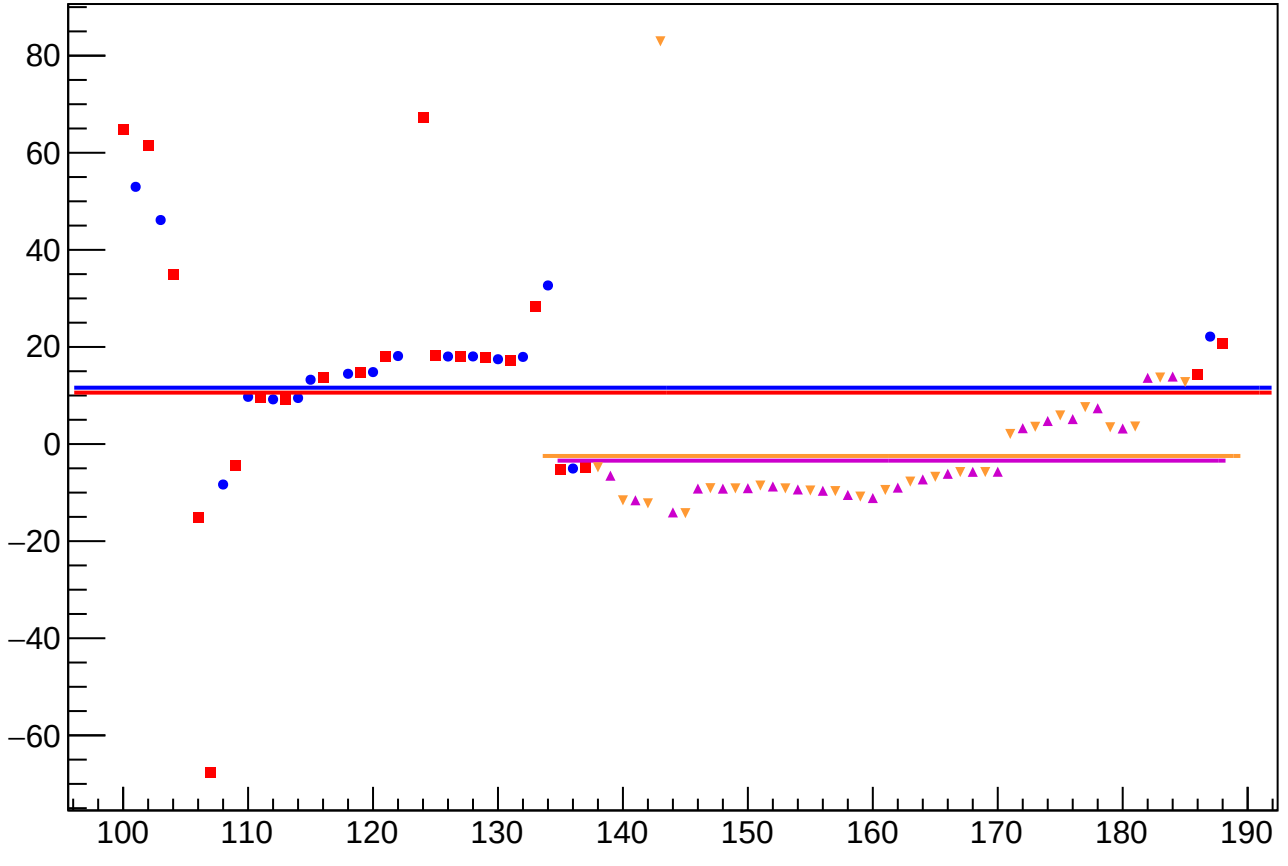
Right: -9.542+/-0.340 χ^2/NDF: 1503.7/37

In: -1.519+/-0.214 χ^2/NDF:1853.6/39

Out: -1.507+/-0.207 χ^2/NDF:2043.8/45

All: -1.513+/-0.149 χ^2/NDF: 3897.4/85

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 11.611+/-0.029 χ^2/NDF: 353395.2/16

Left Out: -2.452+/-0.010 χ^2/NDF:961833.3/24

Right Out: 10.594+/-0.028 χ^2/NDF: 457213.9/20

Left In: -3.418+/-0.010 χ^2/NDF:546802.2/22

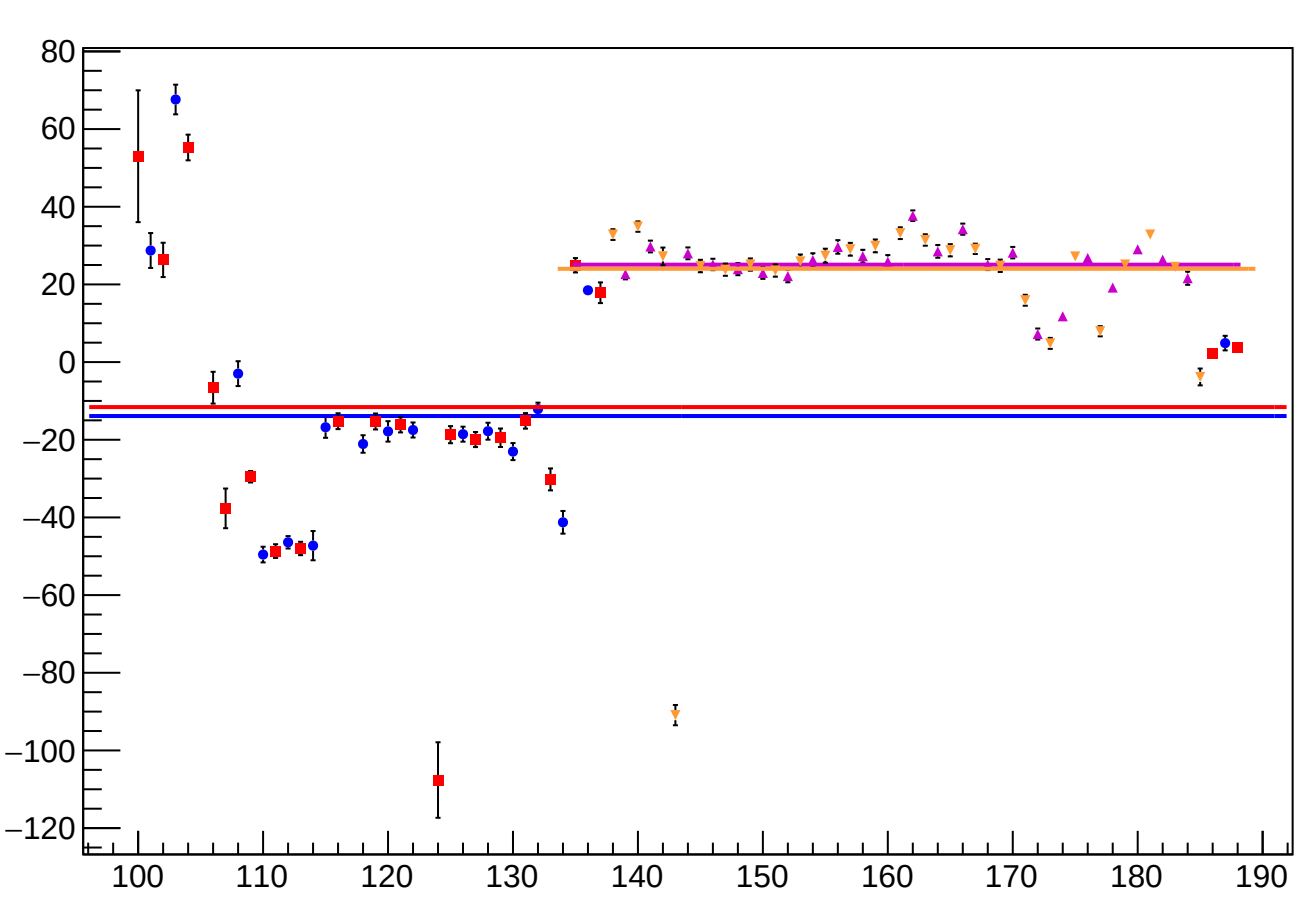
Left: -2.931+/-0.007 χ^2/NDF: 1512952.8/47

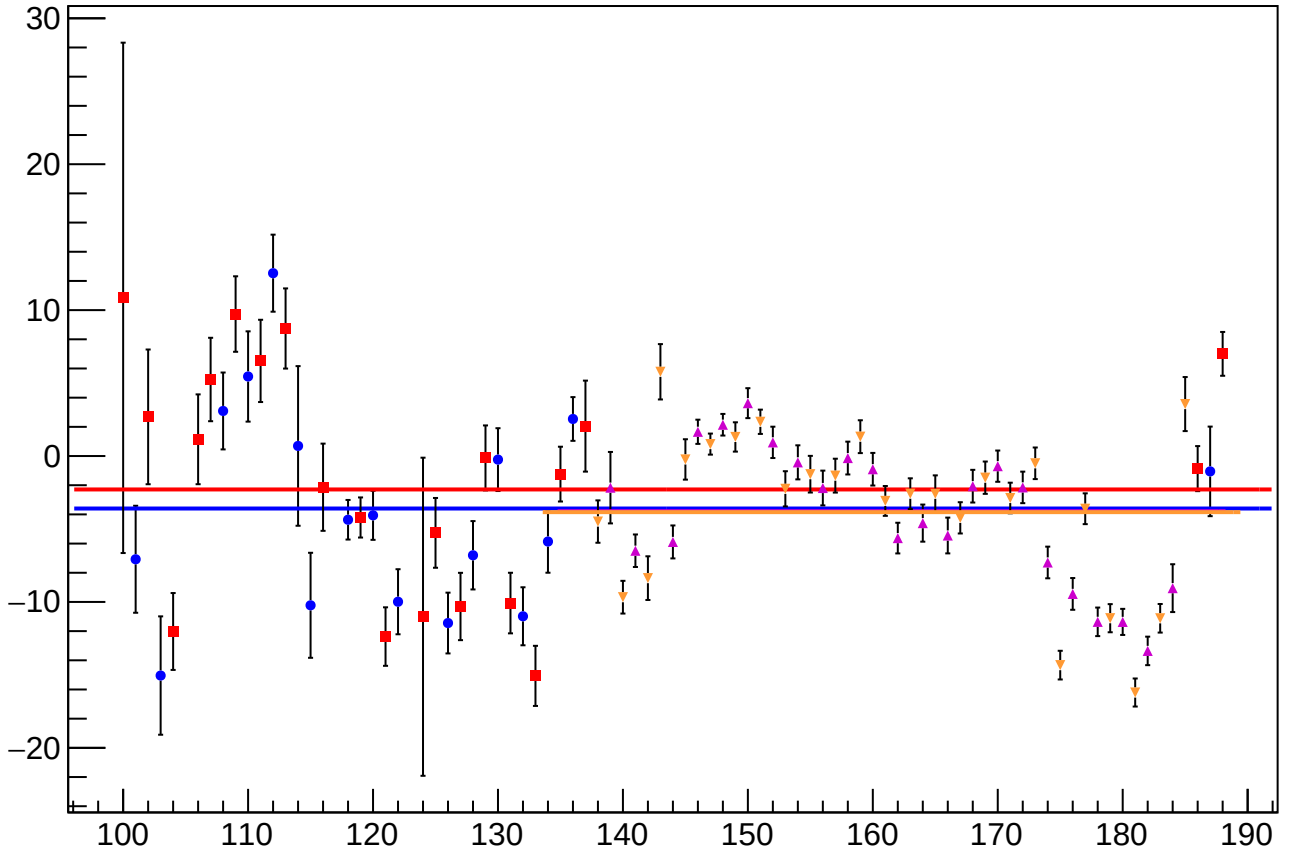
Right: 11.081+/-0.020 χ^2/NDF: 811230.2/37

In: -1.741+/-0.010 χ^2/NDF:1131428.2/39

Out: -0.904+/-0.010 χ^2/NDF:1607456.0/45

All: -1.318+/-0.007 χ^2/NDF: 2742545.0/85


reg_asym_at1_dd_at2_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected
80
60
40
20
0
−20
−40
−60
−80
−100
−120
100
110
120
130
140
150
160
170
180
190
Right In: -13.890+/-0.518 χ²/NDF: 2232.5/16
Left Out: 24.025+/-0.282 χ²/NDF:2802.2/24
Right Out: -11.584+/-0.443 χ²/NDF: 2592.3/20
Left In: 25.089+/-0.287 χ²/NDF:495.3/22
Left: 24.547+/-0.201 χ²/NDF: 3304.5/47
Right: -12.558+/-0.337 χ²/NDF: 4836.3/37
In: 15.927+/-0.251 χ²/NDF:7057.3/39
Out: 13.760+/-0.238 χ²/NDF:9990.6/45
All: 14.784+/-0.173 χ²/NDF: 17087.1/85



Right In: -3.597+/-0.543 χ^2/NDF: 124.7/16

Left Out: -3.845+/-0.218 χ^2/NDF:649.4/24

Right Out: -2.291+/-0.499 χ^2/NDF: 207.4/20

Left In: -3.780+/-0.224 χ^2/NDF:509.8/22

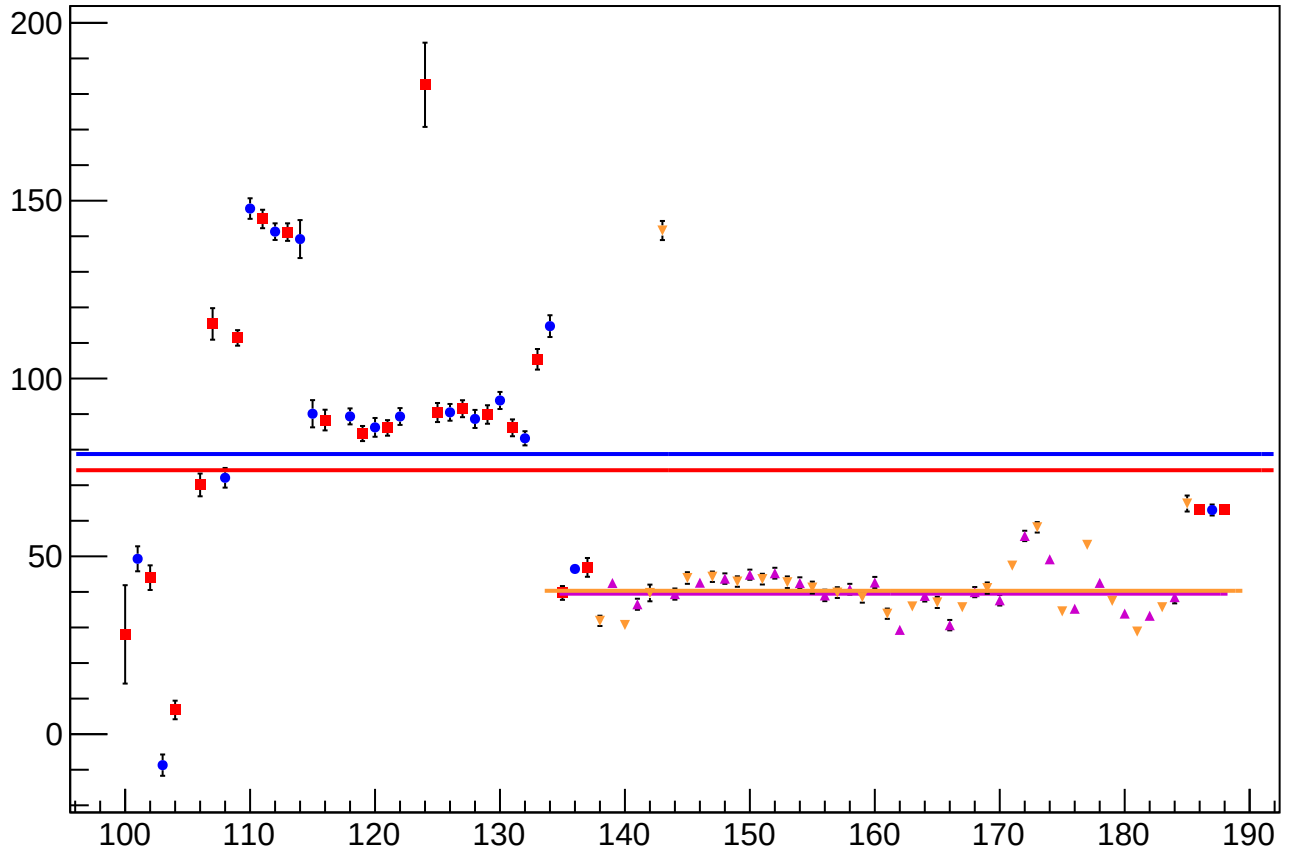
Left: -3.813+/-0.156 χ^2/NDF: 1159.2/47

Right: -2.889+/-0.368 χ^2/NDF: 335.3/37

In: -3.753+/-0.207 χ^2/NDF:634.6/39

Out: -3.597+/-0.200 χ^2/NDF:864.9/45

All: -3.672+/-0.144 χ^2/NDF: 1499.8/85



Right In: 78.766+/-0.565 χ^2/NDF: 3350.7/16

Left Out: 40.315+/-0.280 χ^2/NDF:2182.8/24

Right Out: 74.218+/-0.448 χ^2/NDF: 3746.6/20

Left In: 39.504+/-0.285 χ^2/NDF:432.1/22

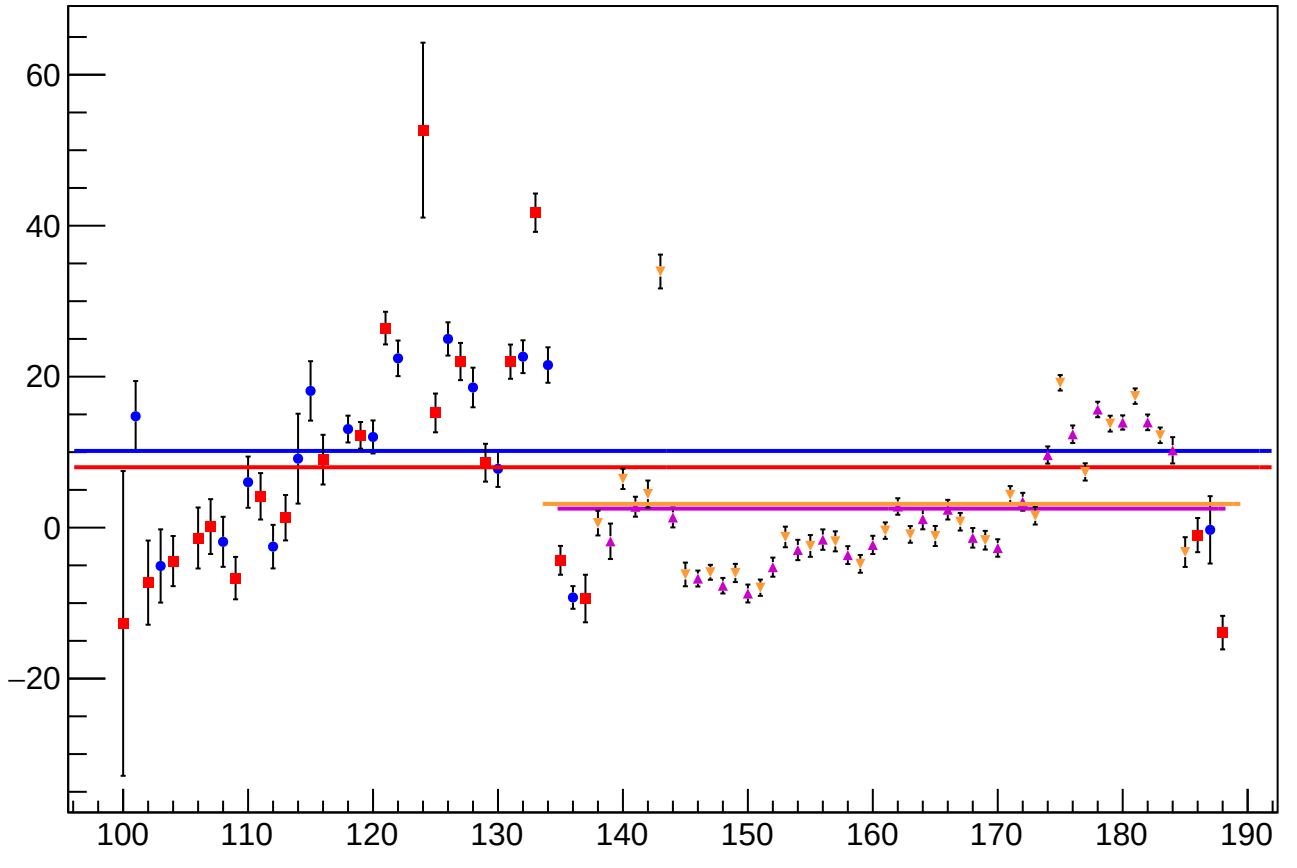
Left: 39.916+/-0.200 χ^2/NDF: 2619.0/47

Right: 75.972+/-0.351 χ^2/NDF: 7137.1/37

In: 47.458+/-0.254 χ^2/NDF:7634.9/39

Out: 49.861+/-0.237 χ^2/NDF:10052.8/45

All: 48.741+/-0.174 χ^2/NDF: 17735.5/85



Right In: 10.161+/-0.620 χ^2/NDF: 365.4/16

Left Out: 3.142+/-0.245 χ^2/NDF:1267.0/24

Right Out: 8.000+/-0.594 χ^2/NDF: 599.5/20

Left In: 2.519+/-0.251 χ^2/NDF:968.2/22

Left: 2.837+/-0.175 χ^2/NDF: 2238.3/47

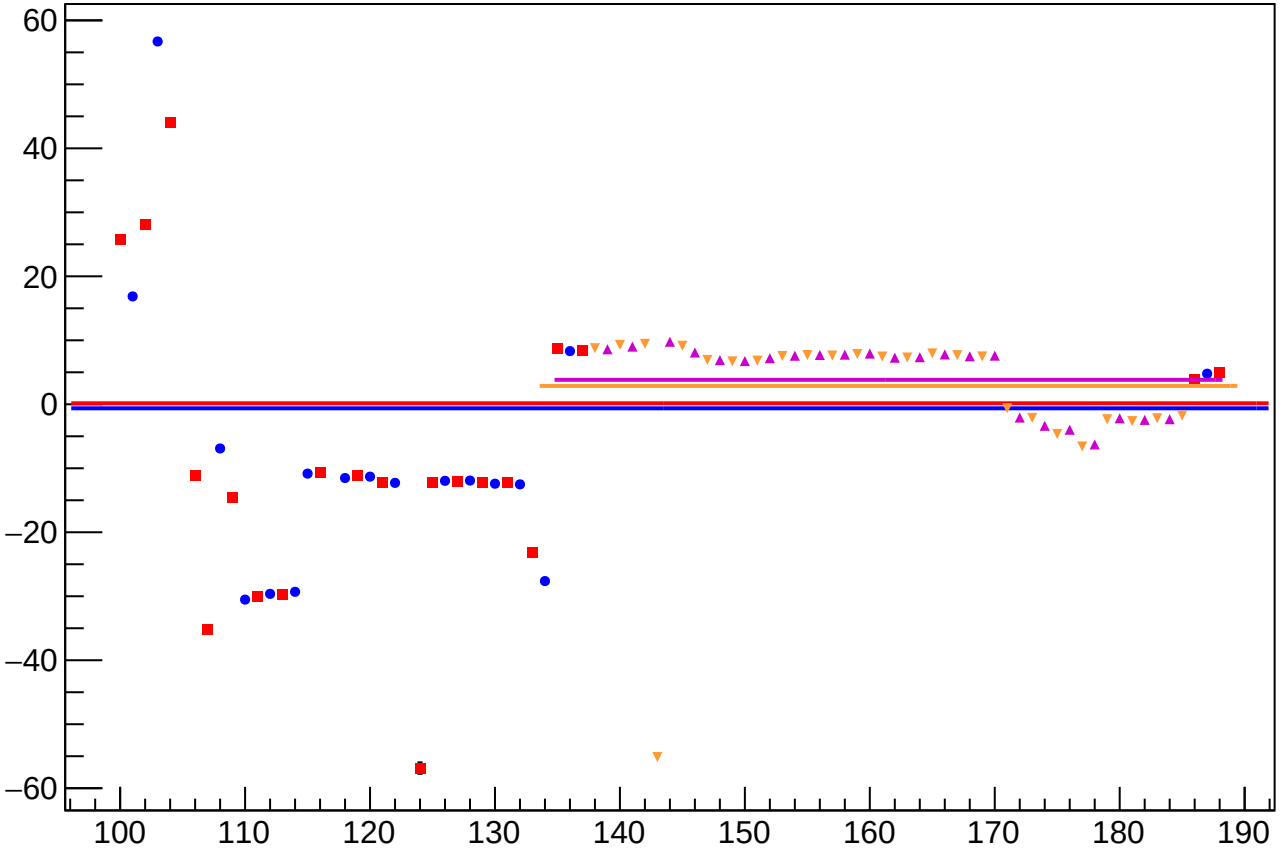
Right: 9.033+/-0.429 χ^2/NDF: 971.2/37

In: 3.594+/-0.233 χ^2/NDF:1463.9/39

Out: 3.851+/-0.227 χ^2/NDF:1923.7/45

All: 3.726+/-0.162 χ^2/NDF: 3388.2/85

reg_asym_at1_dd_at2_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.629+/-0.036 χ^2/NDF: 368491.5/16

Left Out: 2.870+/-0.011 χ^2/NDF:512331.0/24

Right Out: 0.154+/-0.034 χ^2/NDF: 319404.2/20

Left In: 3.825+/-0.011 χ^2/NDF:233224.7/22

Left: 3.343+/-0.008 χ^2/NDF: 749294.8/47

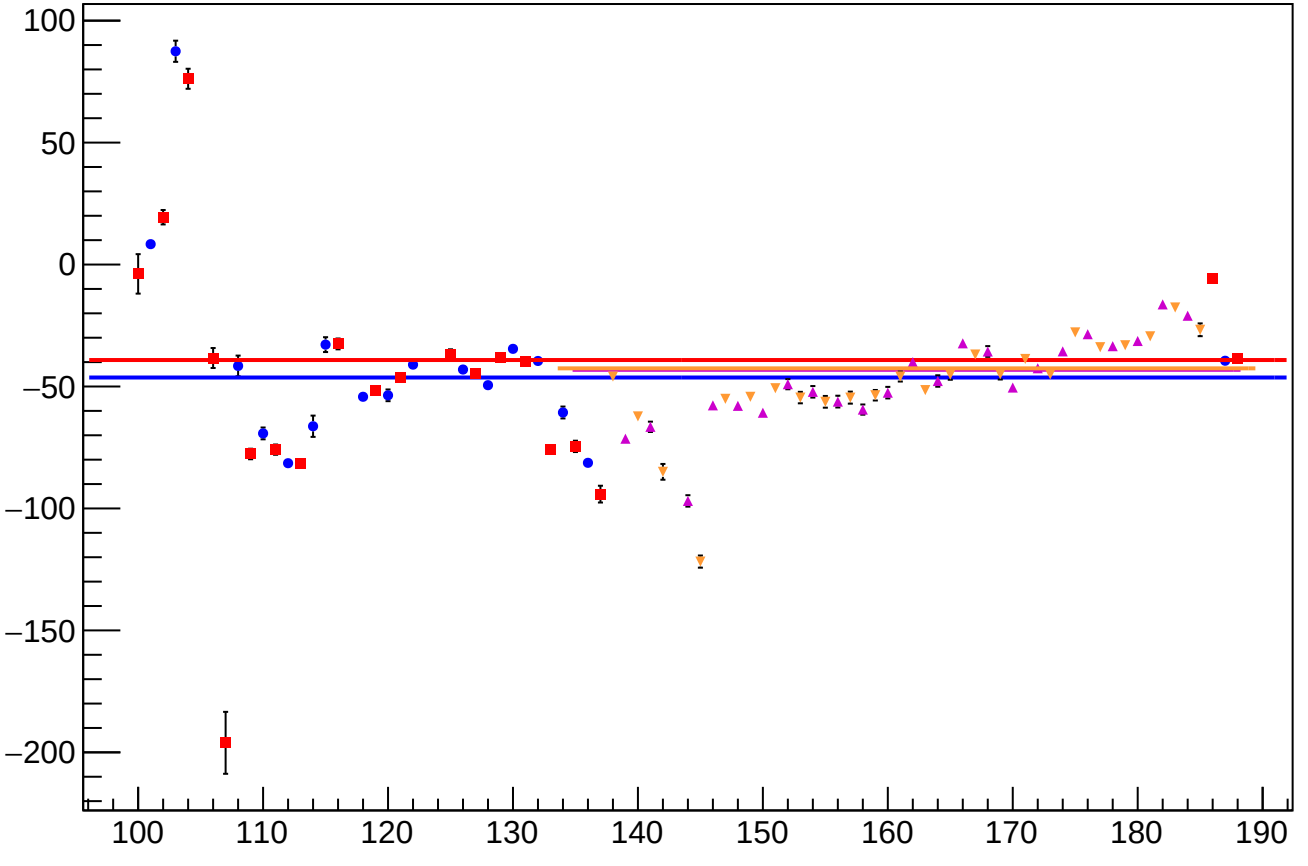
Right: -0.226+/-0.025 χ^2/NDF: 688146.2/37

In: 3.428+/-0.011 χ^2/NDF:616056.1/39

Out: 2.619+/-0.010 χ^2/NDF:837378.2/45

All: 3.019+/-0.007 χ^2/NDF: 1456385.1/85

reg_asym_usl_atl1_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -46.314+/-0.497 χ^2/NDF: 2799.2/16

Left Out: -42.560+/-0.378 χ^2/NDF:2326.4/23

Right Out: -39.147+/-0.402 χ^2/NDF: 4734.5/19

Left In: -43.152+/-0.382 χ^2/NDF:2206.6/22

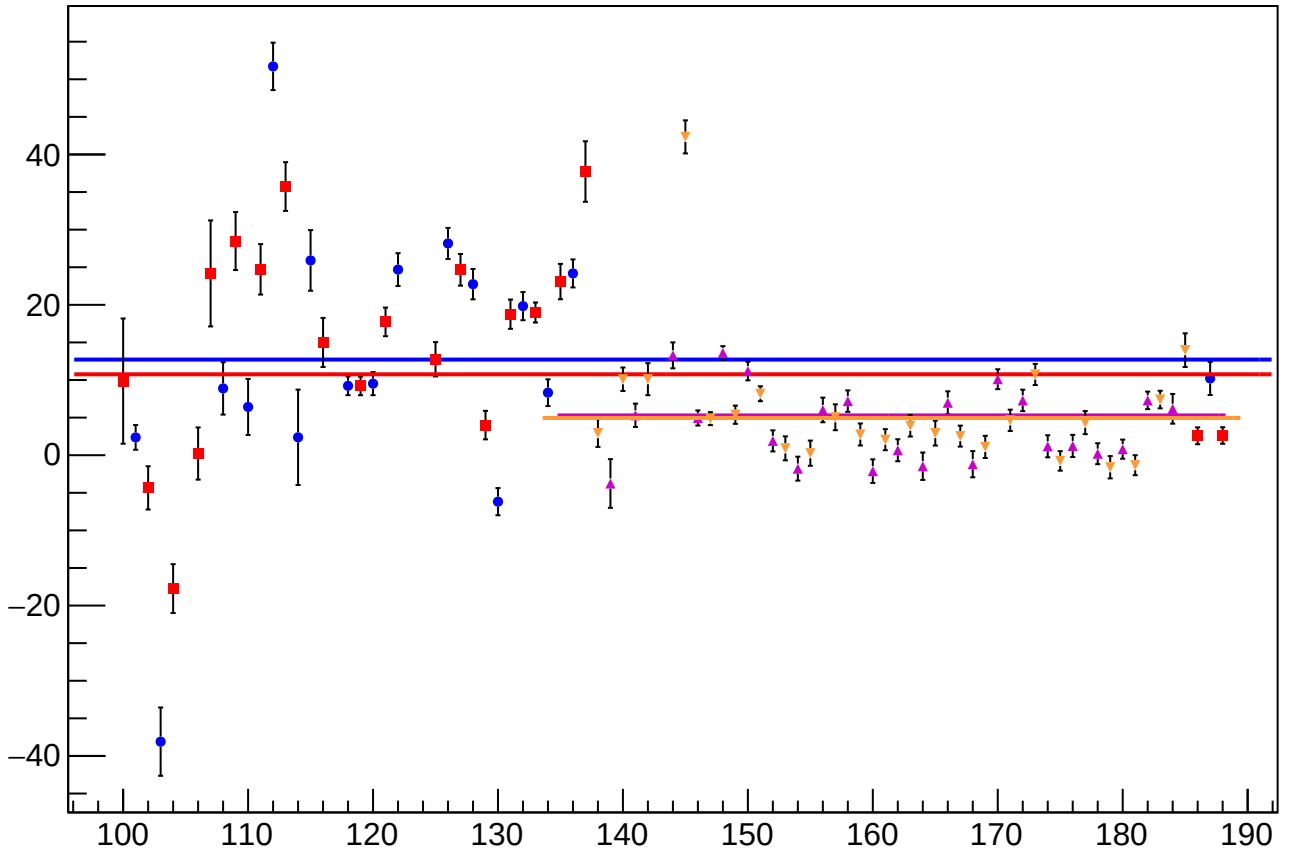
Left: -42.854+/-0.269 χ^2/NDF: 4534.2/46

Right: -41.978+/-0.313 χ^2/NDF: 7659.3/36

In: -44.323+/-0.303 χ^2/NDF:5031.2/39

Out: -40.957+/-0.275 χ^2/NDF:7099.2/43

All: -42.482+/-0.204 χ^2/NDF: 12198.1/83



Right In: 12.720+/-0.505 χ^2/NDF: 626.9/16

Left Out: 4.954+/-0.288 χ^2/NDF:449.1/23

Right Out: 10.761+/-0.447 χ^2/NDF: 524.5/19

Left In: 5.292+/-0.294 χ^2/NDF:286.4/22

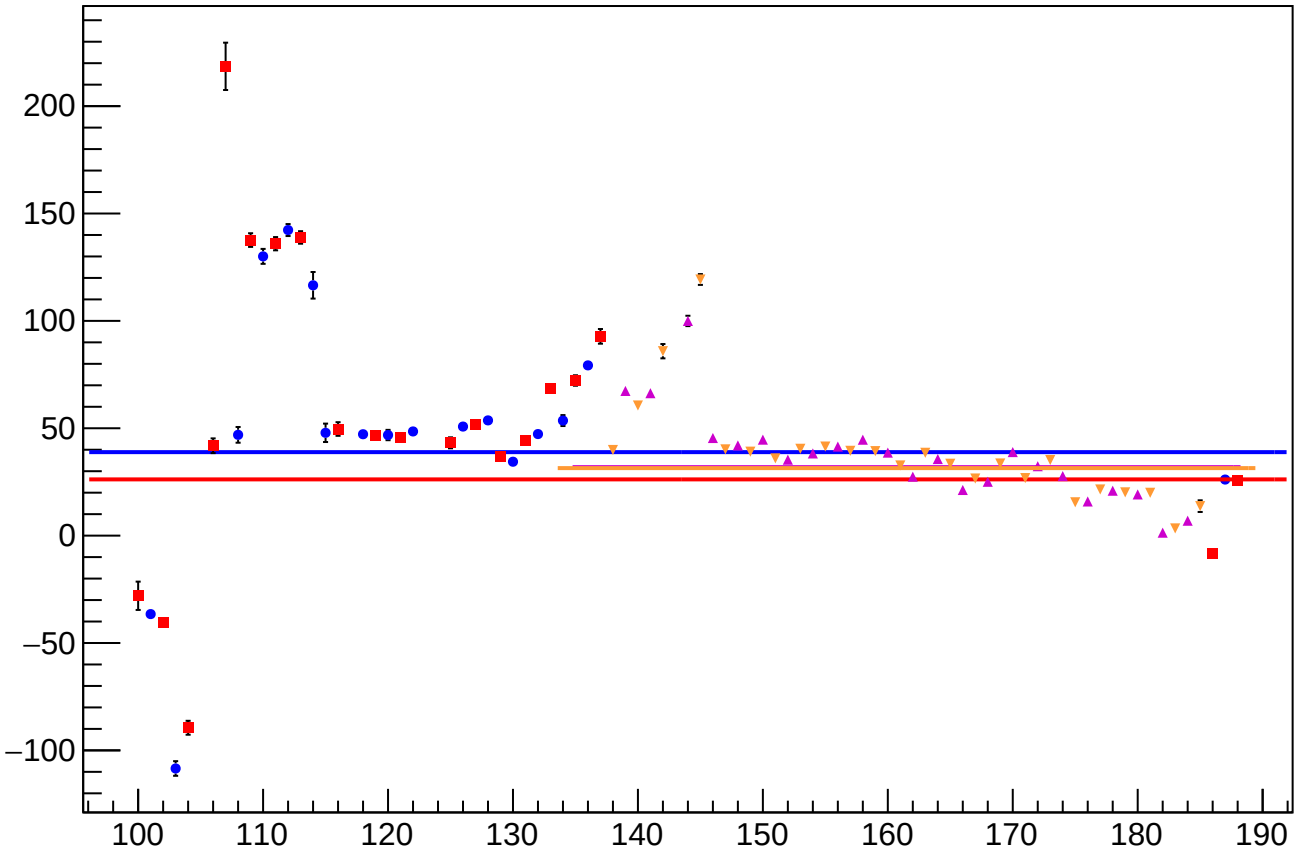
Left: 5.120+/-0.206 χ^2/NDF: 736.1/46

Right: 11.622+/-0.335 χ^2/NDF: 1159.8/36

In: 7.176+/-0.254 χ^2/NDF:1074.8/39

Out: 6.661+/-0.242 χ^2/NDF:1092.7/43

All: 6.906+/-0.175 χ^2/NDF: 2169.6/83



Right In: 38.878+/-0.517 χ^2/NDF: 7339.0/16

Left Out: 31.439+/-0.376 χ^2/NDF:2762.0/23

Right Out: 26.188+/-0.377 χ^2/NDF: 10508.1/19

Left In: 31.895+/-0.378 χ^2/NDF:2767.3/22

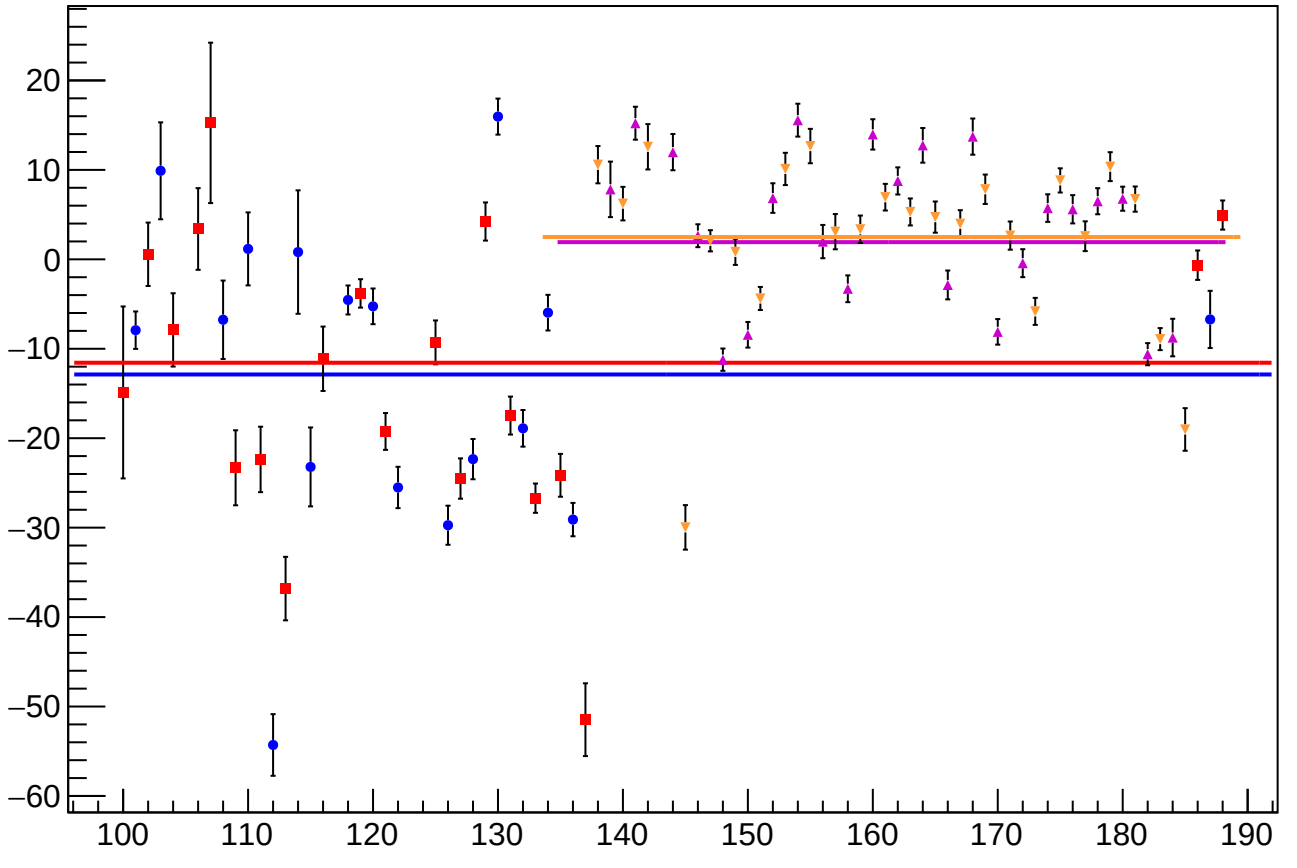
Left: 31.665+/-0.266 χ^2/NDF: 5530.0/46

Right: 30.600+/-0.305 χ^2/NDF: 18240.6/36

In: 34.331+/-0.305 χ^2/NDF:10225.2/39

Out: 28.825+/-0.266 χ^2/NDF:13367.4/43

All: 31.204+/-0.201 χ^2/NDF: 23777.5/83



Right In: -12.874+/-0.589 χ^2/NDF: 643.7/16

Left Out: 2.494+/-0.327 χ^2/NDF:558.7/23

Right Out: -11.562+/-0.551 χ^2/NDF: 589.8/19

Left In: 1.921+/-0.332 χ^2/NDF:678.8/22

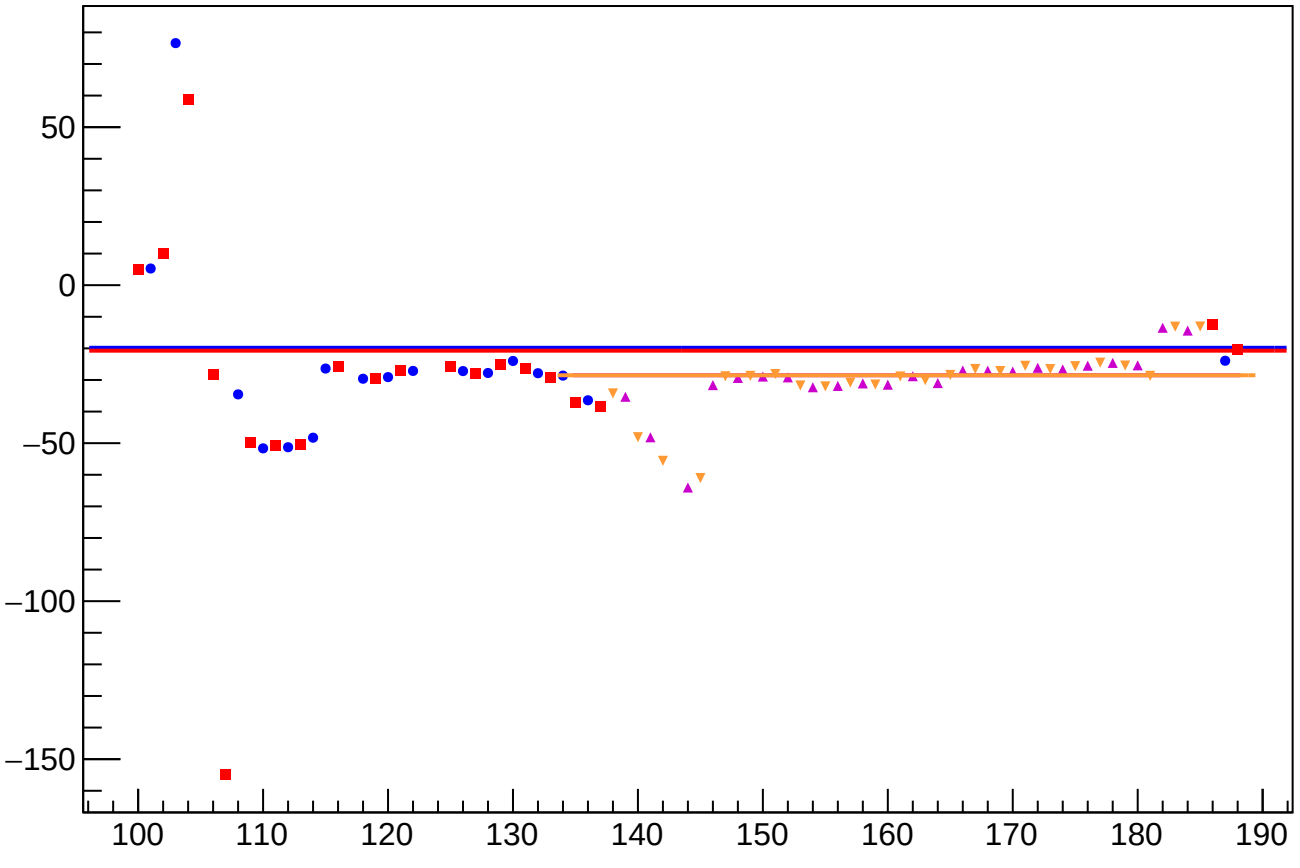
Left: 2.212+/-0.233 χ^2/NDF: 1239.1/46

Right: -12.174+/-0.403 χ^2/NDF: 1236.2/36

In: -1.642+/-0.289 χ^2/NDF:1800.8/39

Out: -1.160+/-0.281 χ^2/NDF:1629.7/43

All: -1.394+/-0.202 χ^2/NDF: 3431.9/83



Right In: -19.817+/-0.035 χ^2/NDF: 647491.4/16

Left Out: -28.513+/-0.015 χ^2/NDF:333774.3/23

Right Out: -20.724+/-0.034 χ^2/NDF: 552367.2/19

Left In: -28.495+/-0.015 χ^2/NDF:287757.4/22

Left: -28.504+/-0.010 χ^2/NDF: 621532.4/46

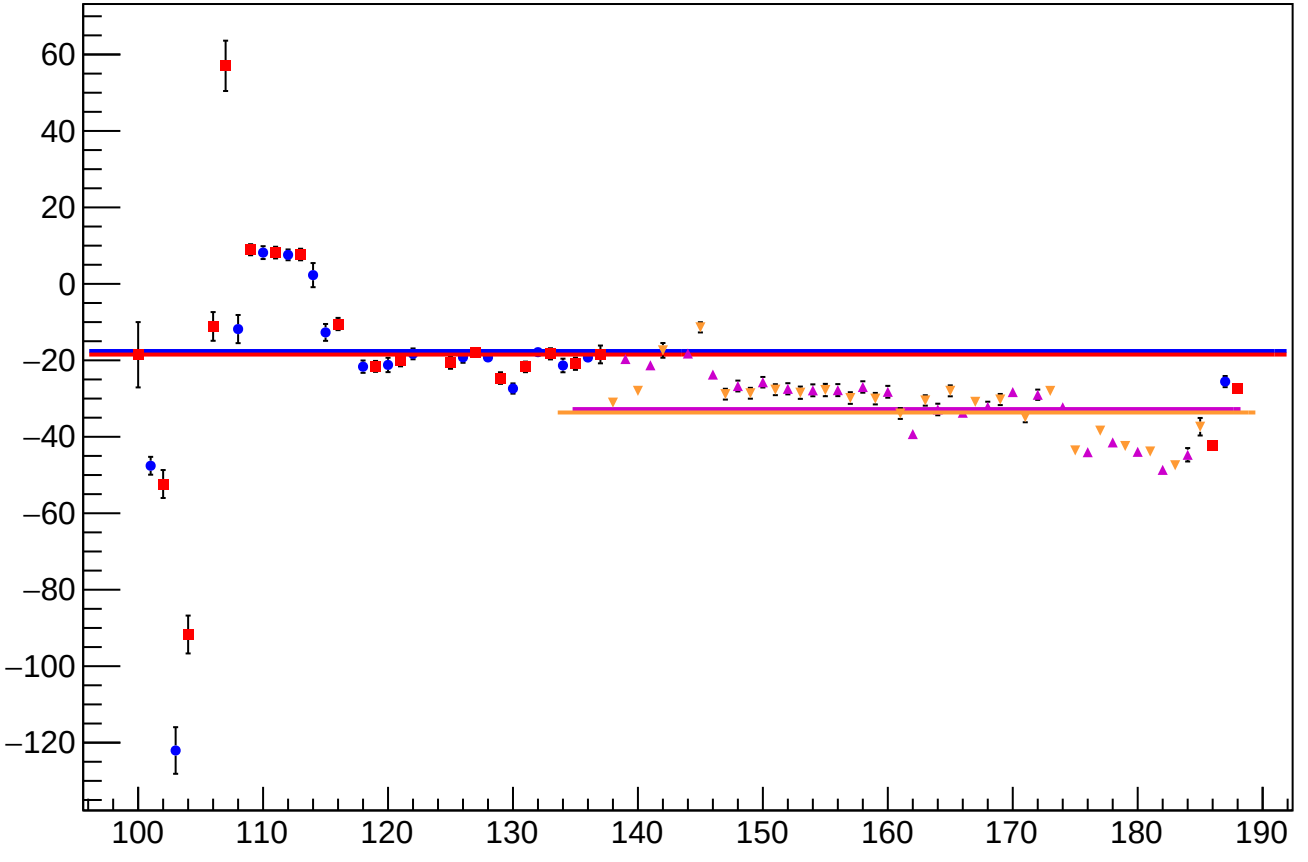
Right: -20.294+/-0.024 χ^2/NDF: 1200204.4/36

In: -27.201+/-0.014 χ^2/NDF:986461.0/39

Out: -27.250+/-0.014 χ^2/NDF:931263.2/43

All: -27.226+/-0.010 χ^2/NDF: 1917730.7/83

reg_asym_usl_atl1_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -17.561+/-0.389 χ^2/NDF: 1160.5/16

Left Out: -33.643+/-0.265 χ^2/NDF:1015.9/23

Right Out: -18.490+/-0.353 χ^2/NDF: 1930.8/19

Left In: -32.750+/-0.269 χ^2/NDF:1143.5/22

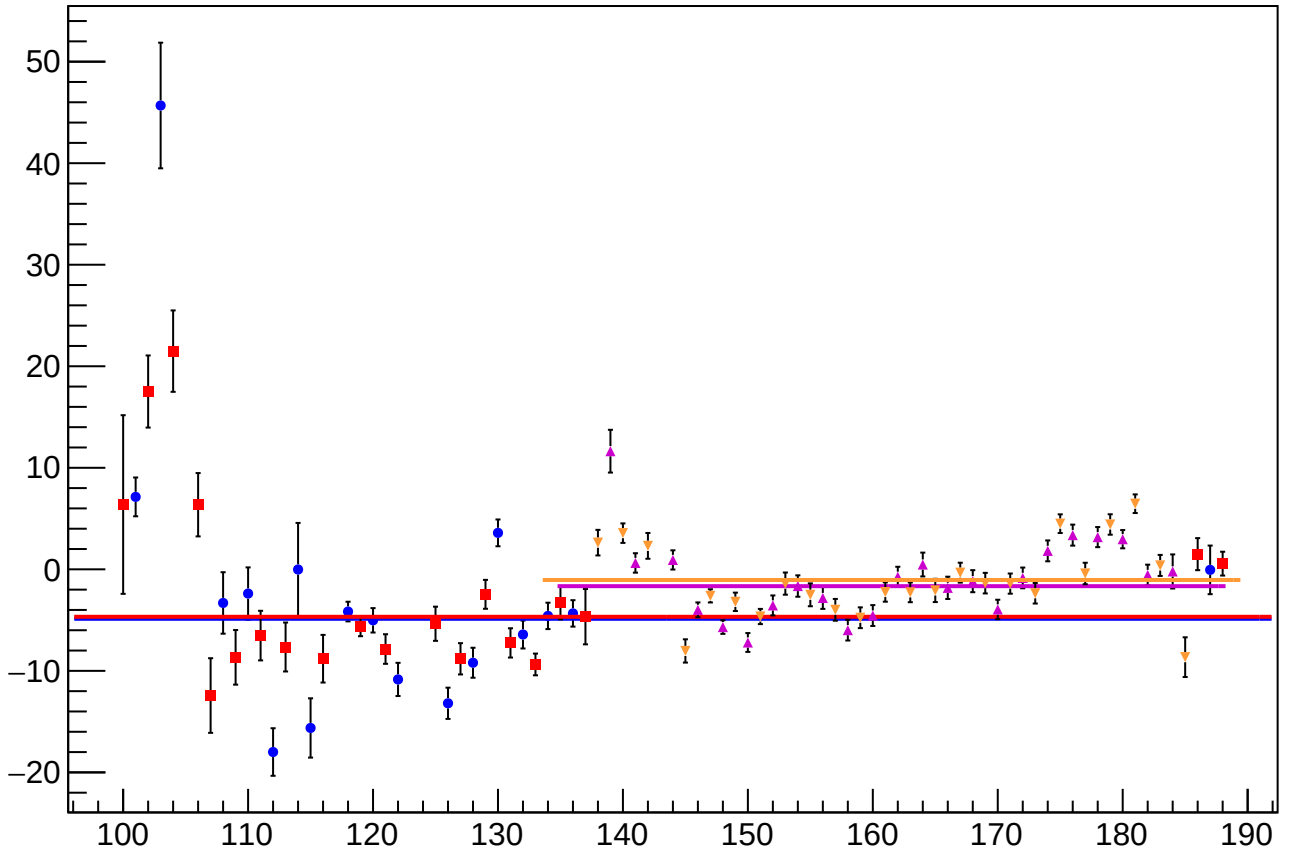
Left: -33.202+/-0.189 χ^2/NDF: 2165.0/46

Right: -18.071+/-0.261 χ^2/NDF: 3094.5/36

In: -27.852+/-0.221 χ^2/NDF:3335.6/39

Out: -28.168+/-0.212 χ^2/NDF:4126.8/43

All: -28.017+/-0.153 χ^2/NDF: 7463.5/83



Right In: -4.870+/-0.396 χ^2/NDF: 251.9/16

Left Out: -1.050+/-0.203 χ^2/NDF:289.4/23

Right Out: -4.674+/-0.383 χ^2/NDF: 181.5/19

Left In: -1.659+/-0.207 χ^2/NDF:264.4/22

Left: -1.349+/-0.145 χ^2/NDF: 558.2/46

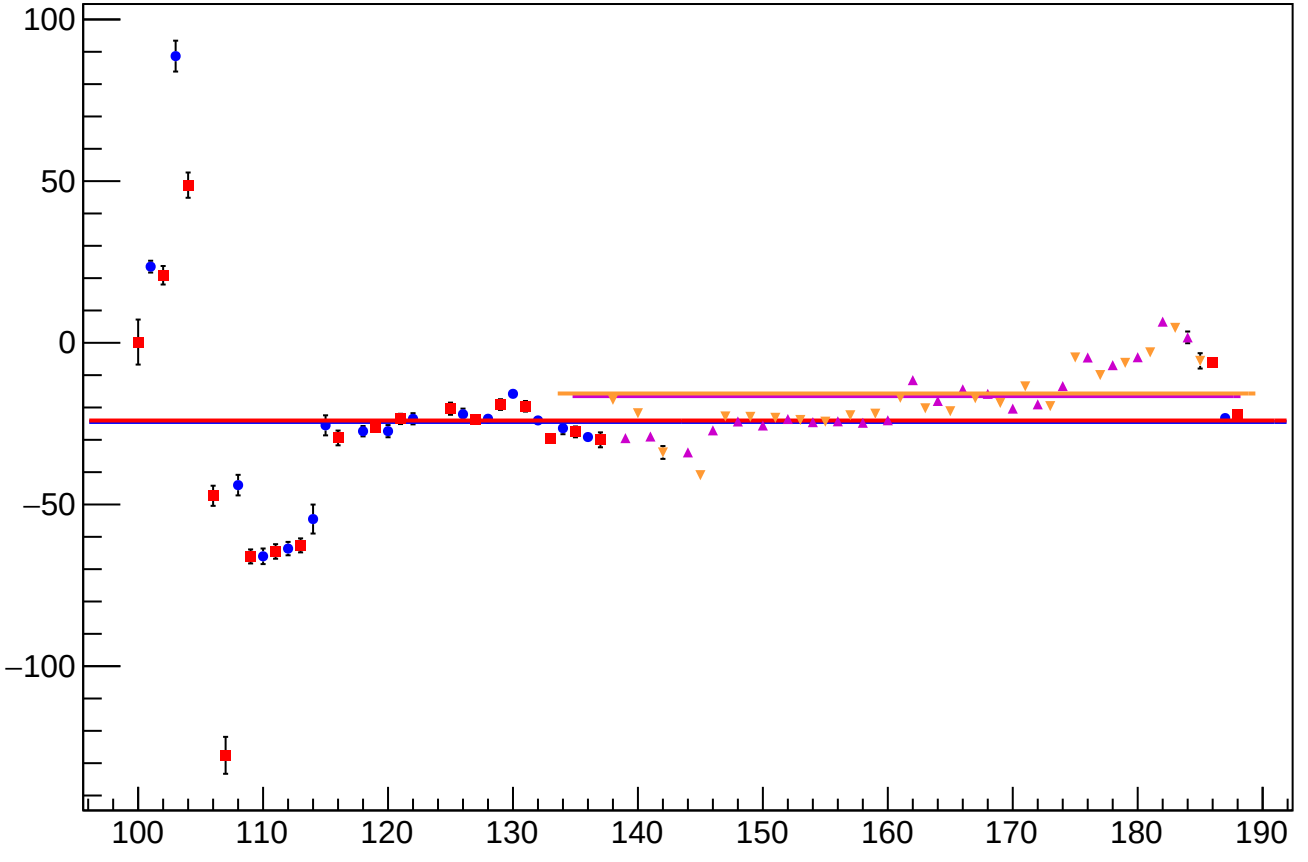
Right: -4.769+/-0.275 χ^2/NDF: 433.5/36

In: -2.347+/-0.183 χ^2/NDF:568.0/39

Out: -1.844+/-0.179 χ^2/NDF:540.8/43

All: -2.090+/-0.128 χ^2/NDF: 1112.6/83

reg_asym_usl_atl1_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -24.469+/-0.425 χ^2/NDF: 2053.0/16

Left Out: -15.674+/-0.263 χ^2/NDF:1520.8/23

Right Out: -24.029+/-0.362 χ^2/NDF: 2391.1/19

Left In: -16.480+/-0.266 χ^2/NDF:1697.7/22

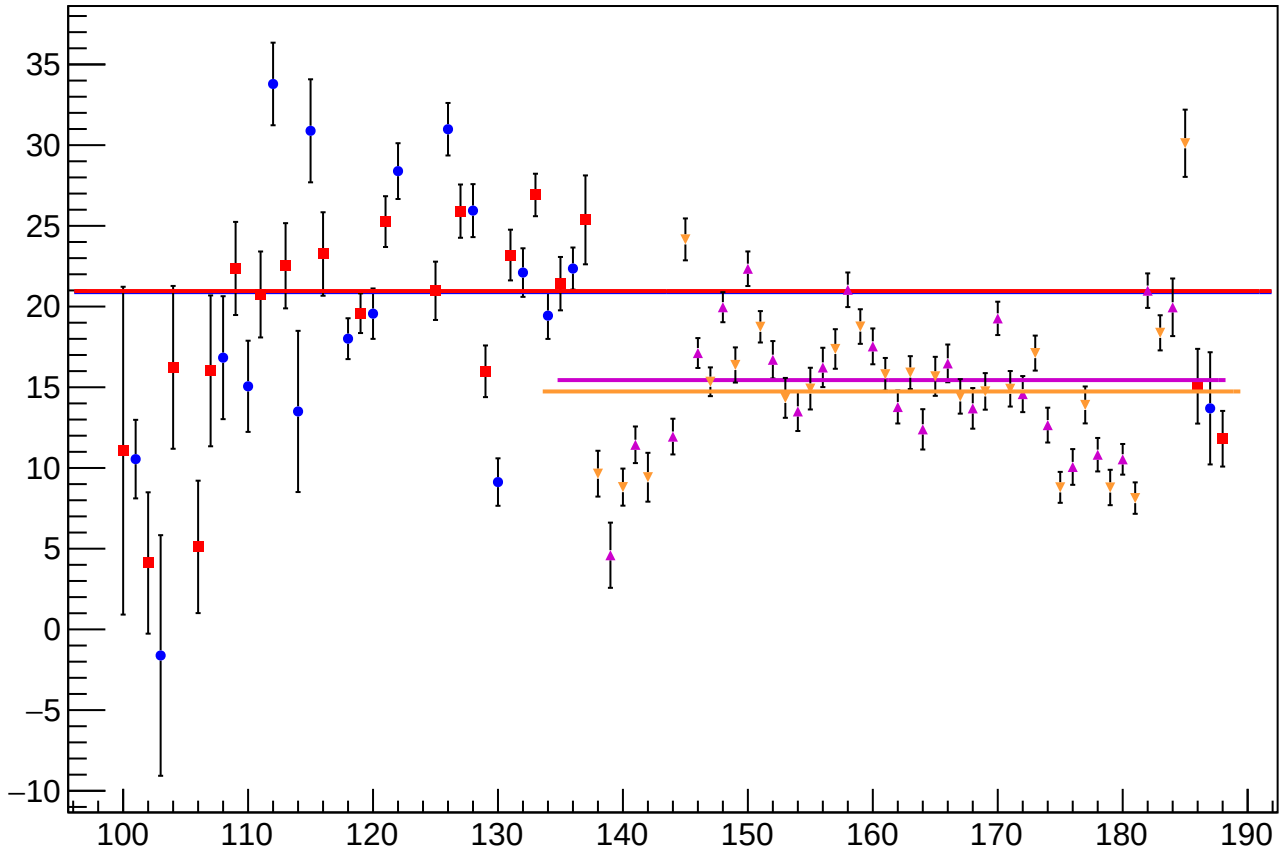
Left: -16.072+/-0.187 χ^2/NDF: 3223.1/46

Right: -24.214+/-0.276 χ^2/NDF: 4444.7/36

In: -18.725+/-0.225 χ^2/NDF:4004.3/39

Out: -18.559+/-0.213 χ^2/NDF:4260.3/43

All: -18.637+/-0.155 χ^2/NDF: 8264.8/83



Right In: 20.893+/-0.454 χ^2/NDF: 214.0/16

Left Out: 14.740+/-0.229 χ^2/NDF:331.0/23

Right Out: 20.961+/-0.452 χ^2/NDF: 121.2/19

Left In: 15.444+/-0.233 χ^2/NDF:290.4/22

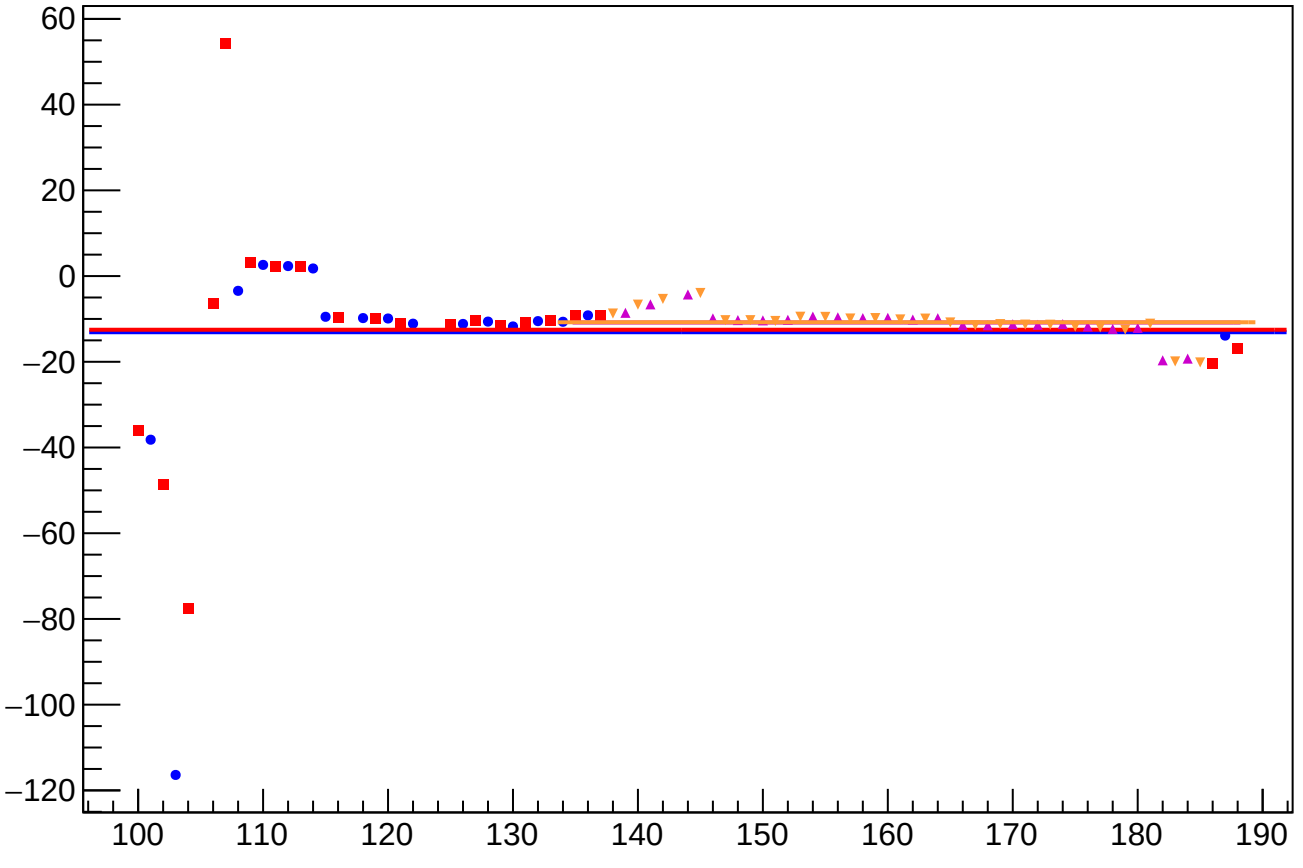
Left: 15.087+/-0.163 χ^2/NDF: 626.0/46

Right: 20.927+/-0.320 χ^2/NDF: 335.2/36

In: 16.580+/-0.207 χ^2/NDF:618.3/39

Out: 16.014+/-0.205 χ^2/NDF:602.8/43

All: 16.293+/-0.146 χ^2/NDF: 1224.8/83



Right In: -13.103+/-0.028 χ^2/NDF: 344958.7/16

Left Out: -10.778+/-0.010 χ^2/NDF:84755.9/23

Right Out: -12.525+/-0.028 χ^2/NDF: 320277.1/19

Left In: -10.834+/-0.010 χ^2/NDF:74113.9/22

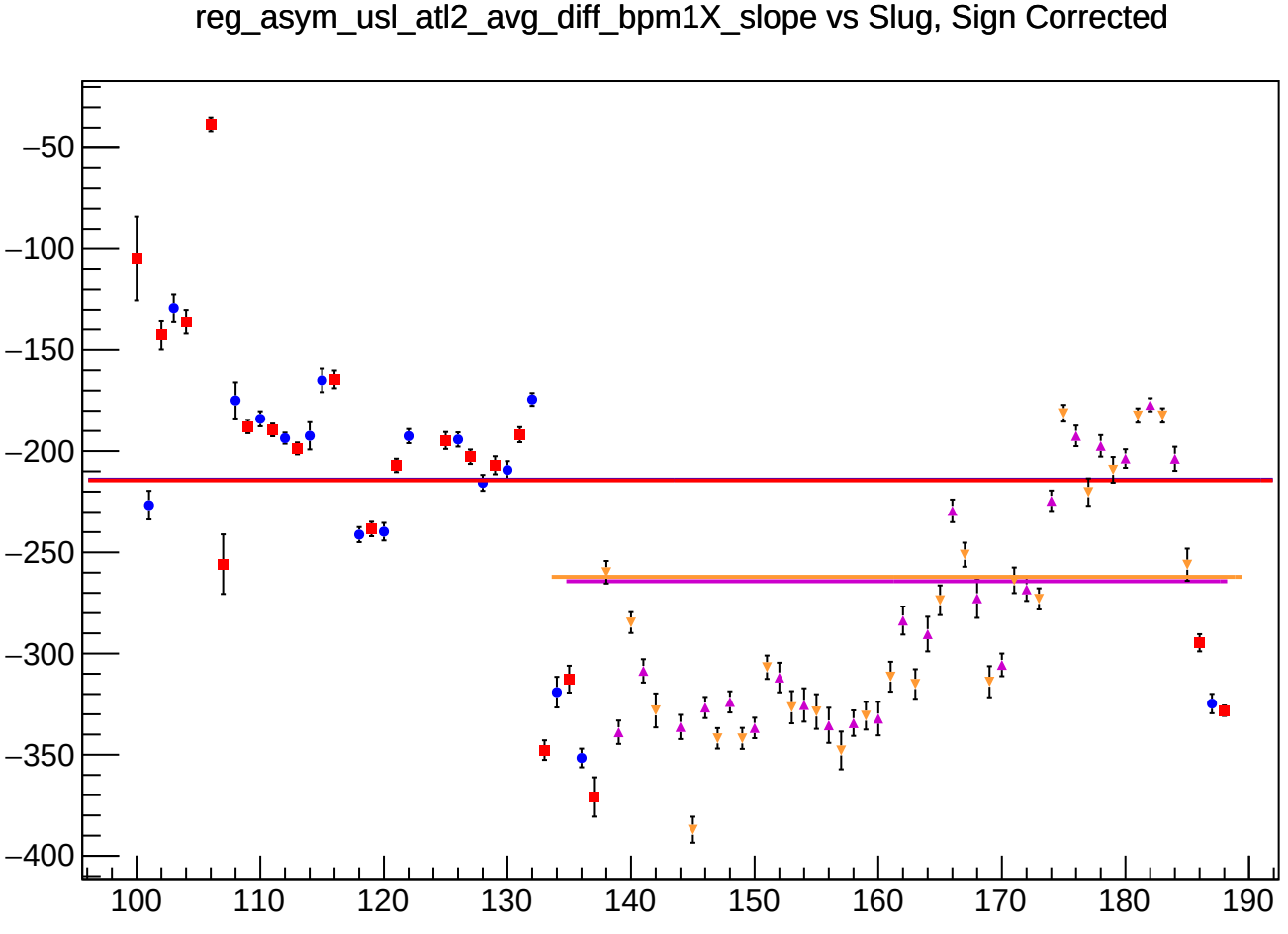
Left: -10.806+/-0.007 χ^2/NDF: 158884.9/46

Right: -12.817+/-0.020 χ^2/NDF: 665445.5/36

In: -11.104+/-0.010 χ^2/NDF:424821.2/39

Out: -10.980+/-0.010 χ^2/NDF:408374.5/43

All: -11.042+/-0.007 χ^2/NDF: 833277.1/83



Right In: -214.106+/-1.041 χ^2/NDF: 2314.7/16

Left Out: -262.110+/-1.179 χ^2/NDF:2964.6/23

Right Out: -214.428+/-0.909 χ^2/NDF: 7023.8/19

Left In: -264.272+/-1.186 χ^2/NDF:2741.9/22

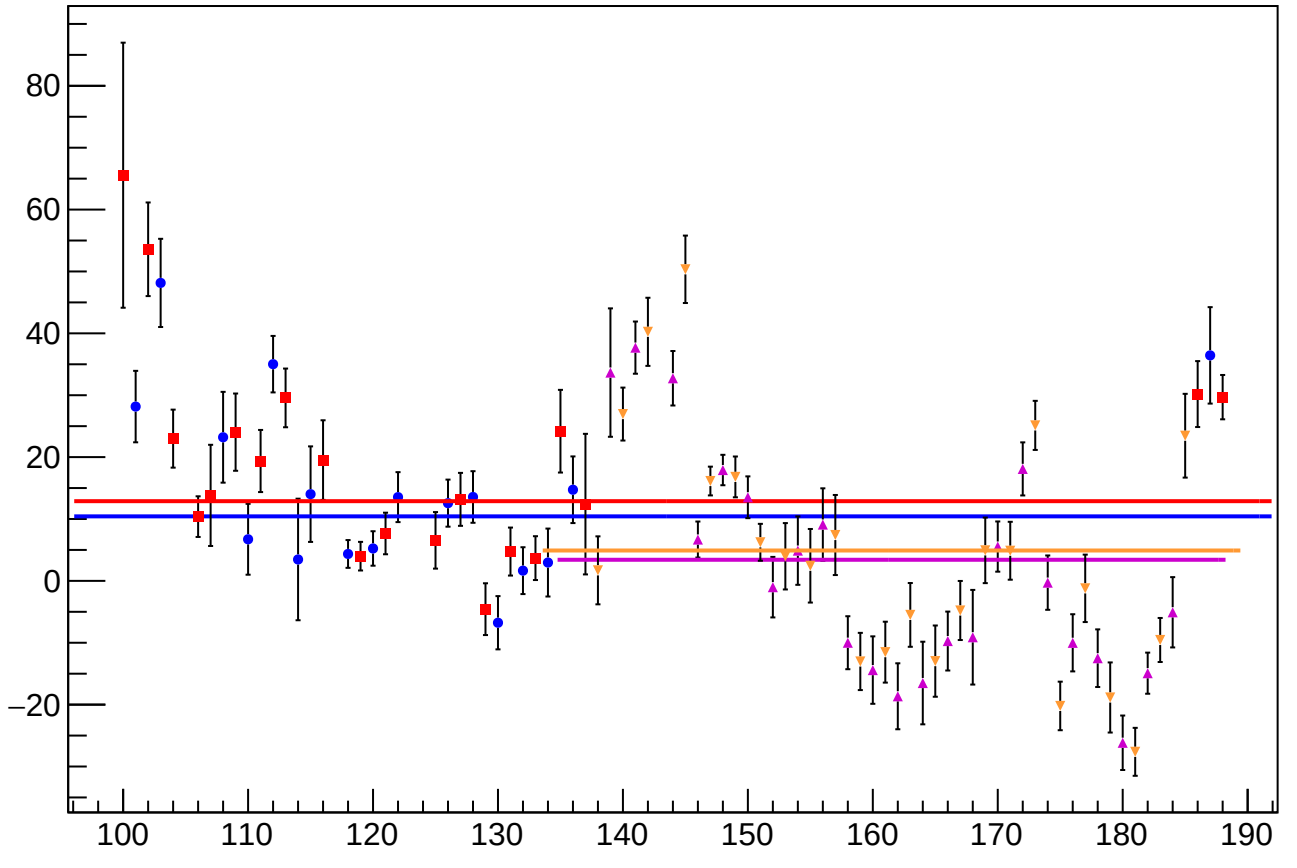
Left: -263.185+/-0.836 χ^2/NDF: 5708.1/46

Right: -214.289+/-0.685 χ^2/NDF: 9338.5/36

In: -235.941+/-0.782 χ^2/NDF:6067.7/39

Out: -232.195+/-0.720 χ^2/NDF:11013.9/43

All: -233.913+/-0.530 χ^2/NDF: 17094.0/83



Right In: 10.424+/-1.056 χ^2/NDF: 117.9/16

Left Out: 4.909+/-0.886 χ^2/NDF:398.9/23

Right Out: 12.879+/-0.985 χ^2/NDF: 141.7/19

Left In: 3.409+/-0.901 χ^2/NDF:333.3/22

Left: 4.171+/-0.632 χ^2/NDF: 733.7/46

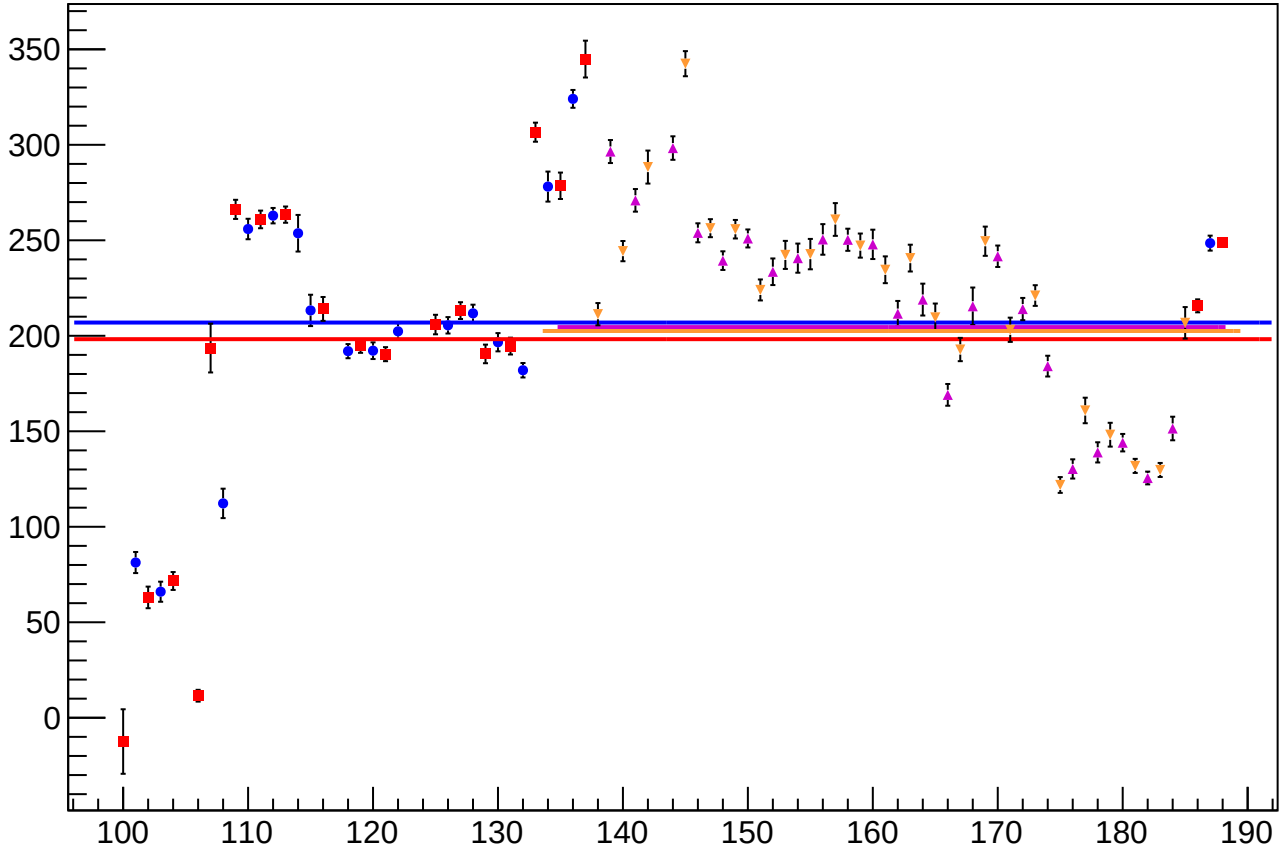
Right: 11.737+/-0.720 χ^2/NDF: 262.5/36

In: 6.365+/-0.685 χ^2/NDF:476.8/39

Out: 8.476+/-0.659 χ^2/NDF:576.8/43

All: 7.462+/-0.475 χ^2/NDF: 1058.5/83

reg_asym_usl_atl2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 206.932+/-1.170 χ^2/NDF: 2587.5/16

Left Out: 202.511+/-1.173 χ^2/NDF:2393.5/23

Right Out: 198.230+/-0.959 χ^2/NDF: 7206.9/19

Left In: 204.560+/-1.177 χ^2/NDF:2285.7/22

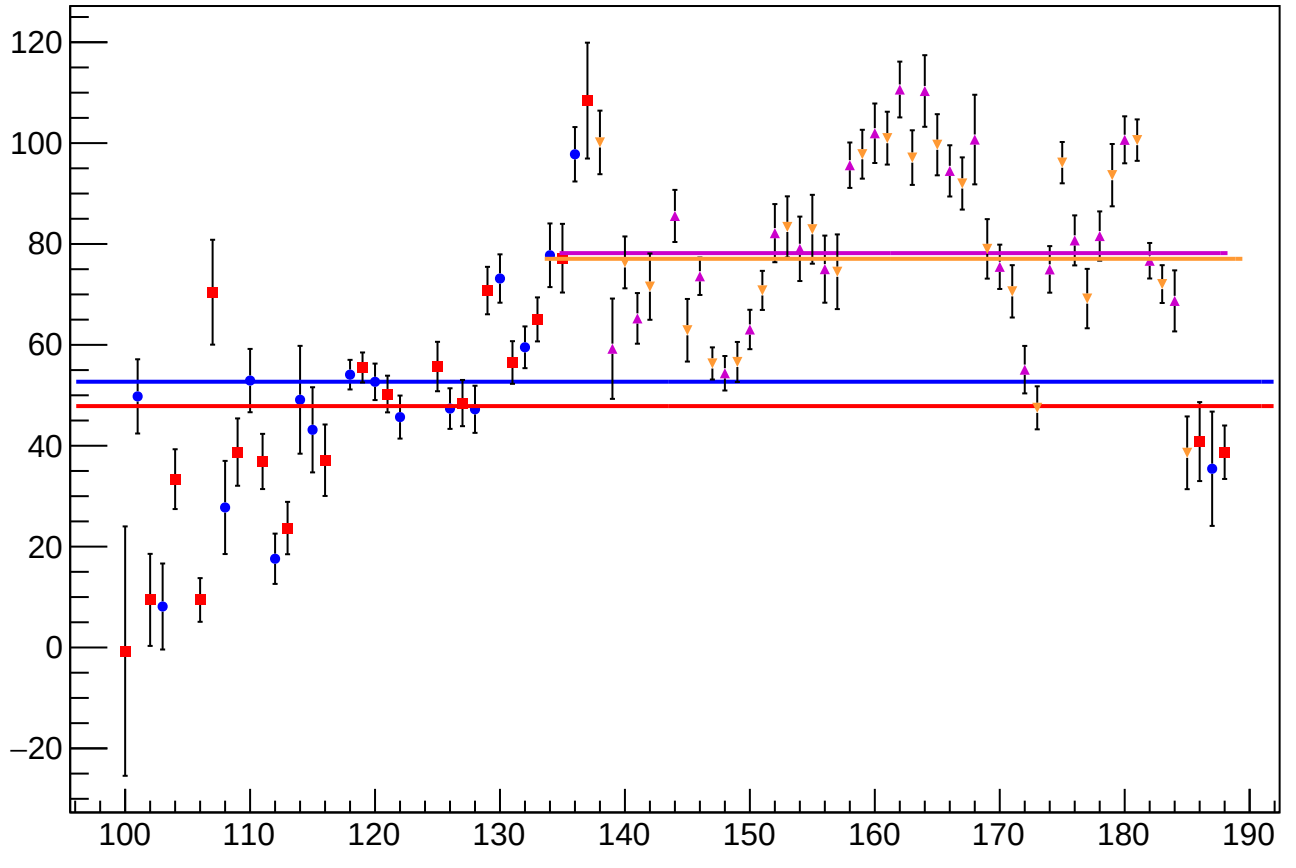
Left: 203.532+/-0.831 χ^2/NDF: 4680.7/46

Right: 201.729+/-0.742 χ^2/NDF: 9827.5/36

In: 205.753+/-0.830 χ^2/NDF:4875.2/39

Out: 199.946+/-0.743 χ^2/NDF:9608.4/43

All: 202.529+/-0.553 χ^2/NDF: 14510.8/83



Right In: 52.692+/-1.234 χ^2/NDF: 200.7/16

Left Out: 77.061+/-1.015 χ^2/NDF:311.3/23

Right Out: 47.861+/-1.170 χ^2/NDF: 244.1/19

Left In: 78.189+/-1.026 χ^2/NDF:232.5/22

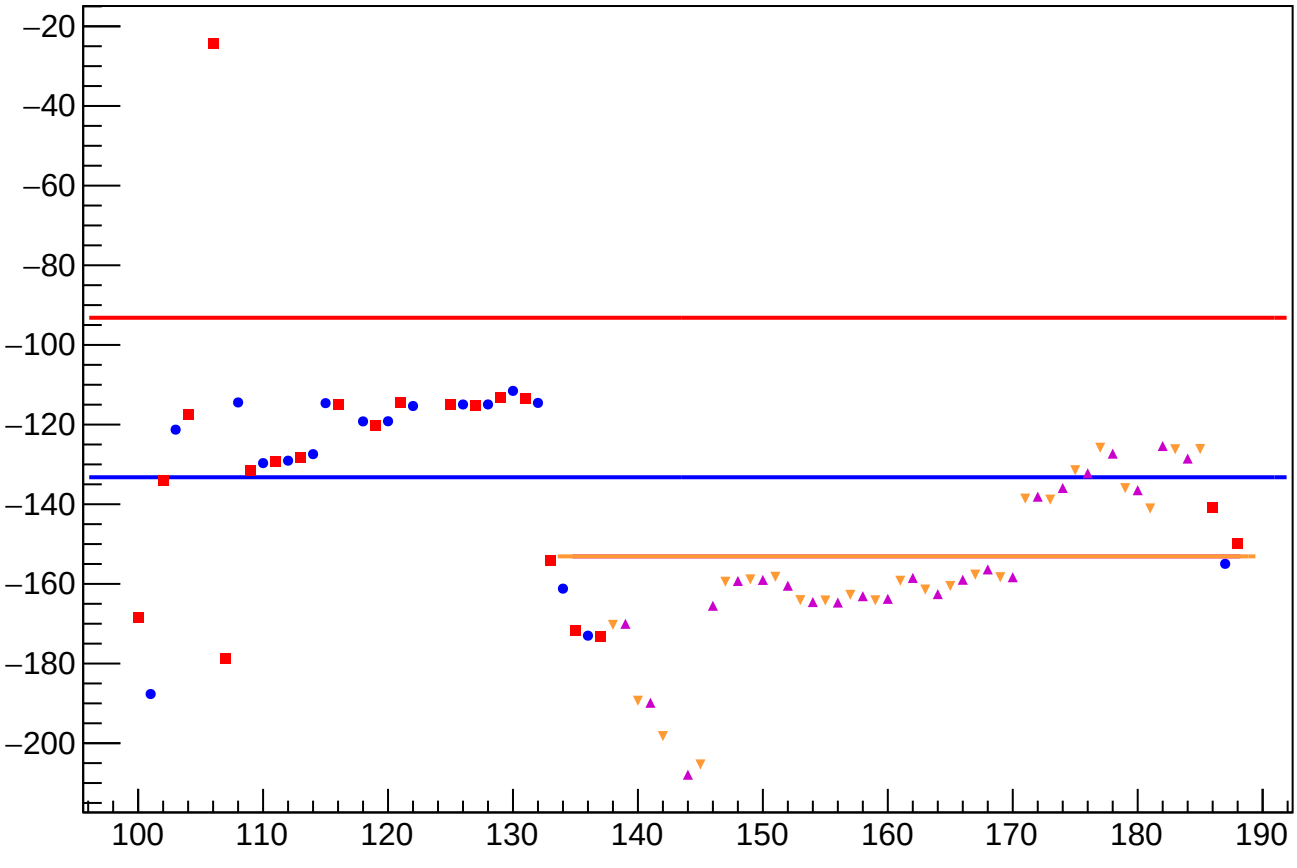
Left: 77.619+/-0.721 χ^2/NDF: 544.4/46

Right: 50.148+/-0.849 χ^2/NDF: 452.8/36

In: 67.774+/-0.789 χ^2/NDF:685.7/39

Out: 64.522+/-0.767 χ^2/NDF:910.6/43

All: 66.102+/-0.550 χ^2/NDF: 1605.0/83



Right In: -133.224+/-0.081 χ^2/NDF: 94727.9/16

Left Out: -153.090+/-0.047 χ^2/NDF:177552.0/23

Right Out: -93.176+/-0.062 χ^2/NDF: 788158.7/19

Left In: -153.103+/-0.047 χ^2/NDF:166644.2/22

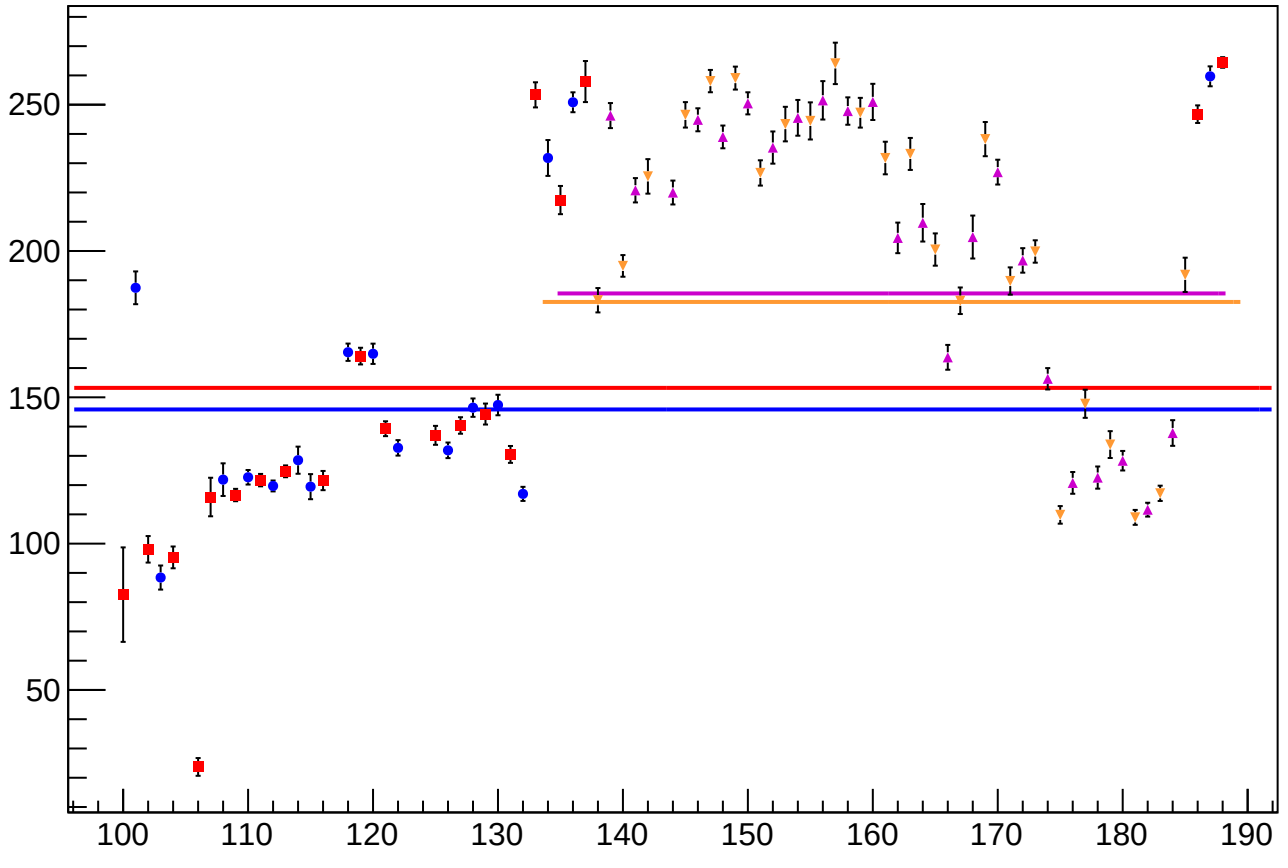
Left: -153.097+/-0.033 χ^2/NDF: 344196.2/46

Right: -108.010+/-0.049 χ^2/NDF: 1038042.7/36

In: -148.124+/-0.040 χ^2/NDF:306883.5/39

Out: -131.218+/-0.037 χ^2/NDF:1561001.5/43

All: -139.022+/-0.027 χ^2/NDF: 1962280.1/83



Right In: 145.851+/-0.765 χ^2/NDF: 3141.5/16

Left Out: 182.591+/-0.866 χ^2/NDF:4152.3/23

Right Out: 153.225+/-0.664 χ^2/NDF: 8924.6/19

Left In: 185.497+/-0.872 χ^2/NDF:3822.2/22

Left: 184.033+/-0.615 χ^2/NDF: 7980.1/46

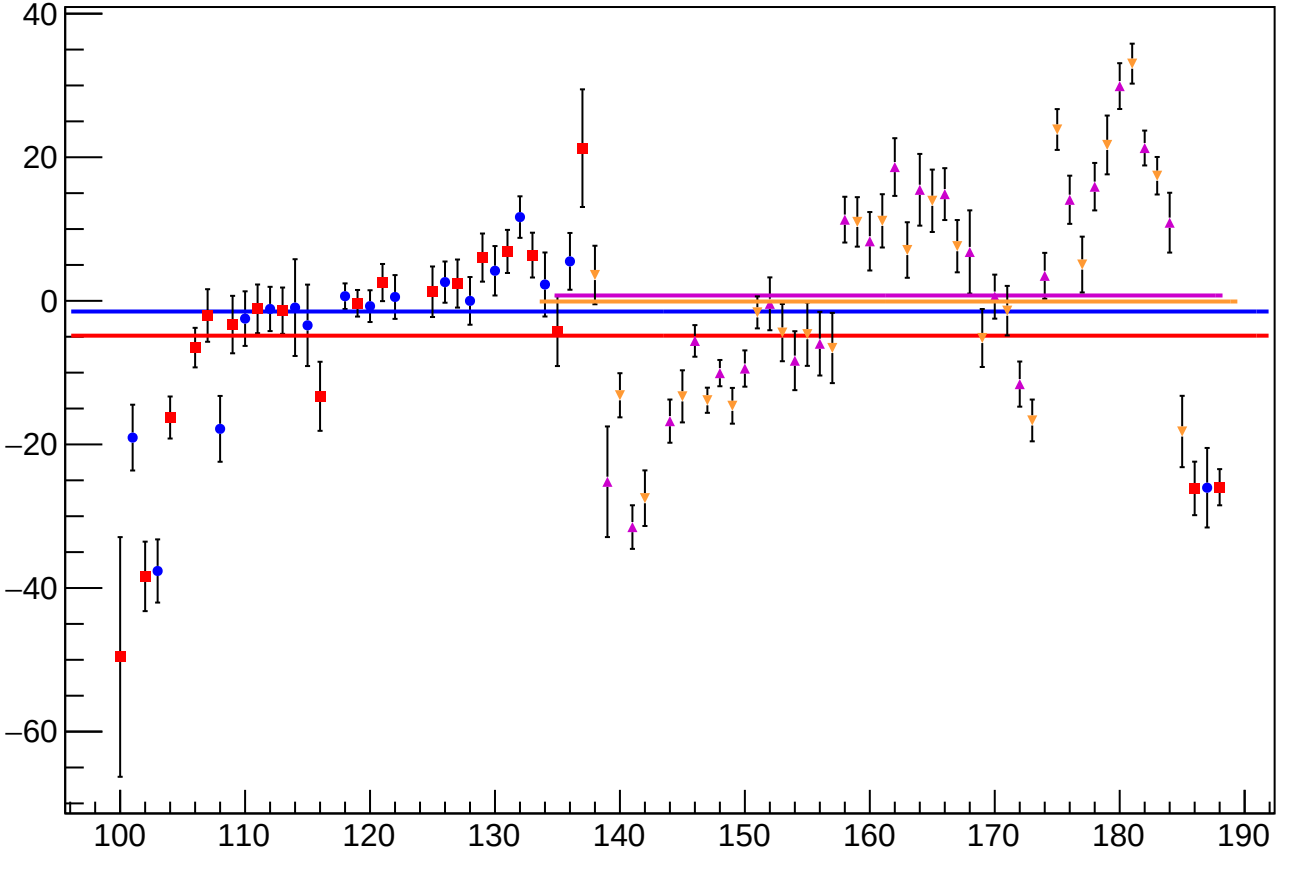
Right: 150.057+/-0.501 χ^2/NDF: 12119.1/36

In: 163.073+/-0.575 χ^2/NDF:8131.8/39

Out: 164.091+/-0.527 χ^2/NDF:13801.4/43

All: 163.626+/-0.388 χ^2/NDF: 21934.9/83

reg_asym_usl_atl2_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -1.485+/-0.800 χ^2/NDF: 146.1/16

Left Out: -0.092+/-0.655 χ^2/NDF:555.3/23

Right Out: -4.851+/-0.734 χ^2/NDF: 250.4/19

Left In: 0.747+/-0.665 χ^2/NDF:497.8/22

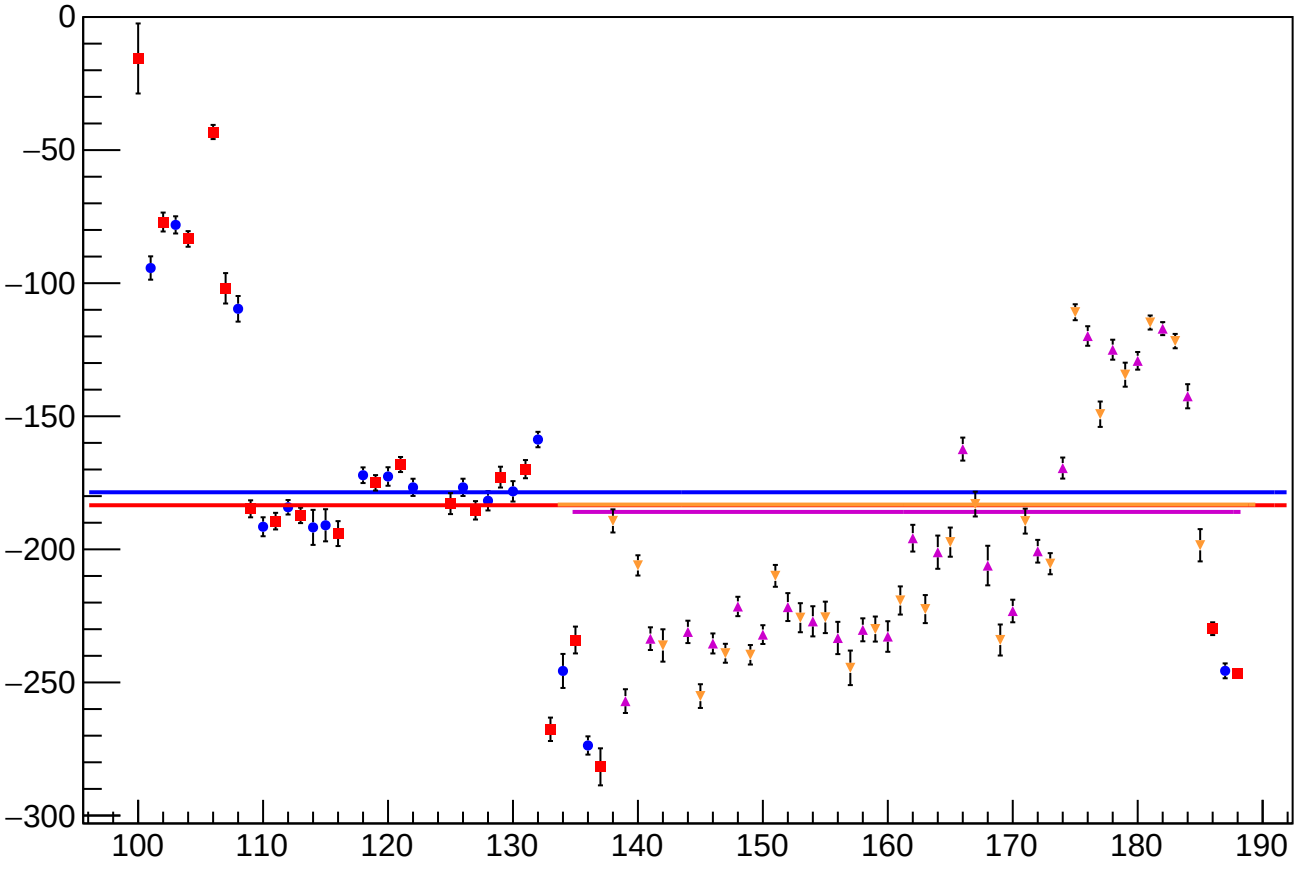
Left: 0.320+/-0.467 χ^2/NDF: 1053.9/46

Right: -3.313+/-0.541 χ^2/NDF: 406.2/36

In: -0.166+/-0.511 χ^2/NDF:648.5/39

Out: -2.202+/-0.488 χ^2/NDF:829.1/43

All: -1.231+/-0.353 χ^2/NDF: 1485.9/83



Right In: -178.553+/-0.863 χ^2/NDF: 3078.1/16

Left Out: -183.175+/-0.862 χ^2/NDF:3361.2/23

Right Out: -183.430+/-0.700 χ^2/NDF: 8183.6/19

Left In: -185.936+/-0.867 χ^2/NDF:3181.6/22

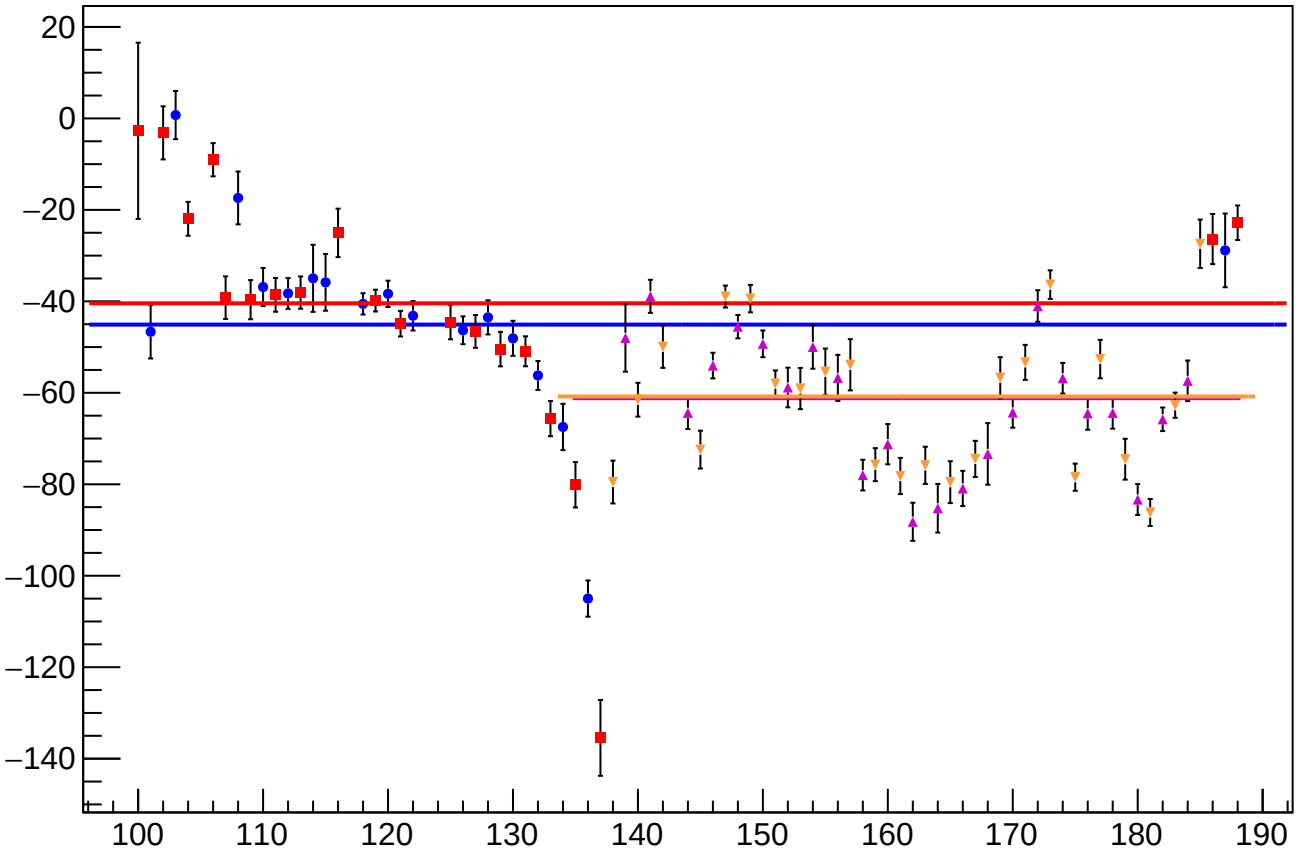
Left: -184.548+/-0.611 χ^2/NDF: 6547.8/46

Right: -181.493+/-0.544 χ^2/NDF: 11280.9/36

In: -182.226+/-0.612 χ^2/NDF:6296.1/39

Out: -183.329+/-0.544 χ^2/NDF:11544.8/43

All: -182.842+/-0.406 χ^2/NDF: 17842.7/83



Right In: -45.085+/-0.931 χ^2/NDF: 386.1/16

Left Out: -60.801+/-0.749 χ^2/NDF:474.0/23

Right Out: -40.424+/-0.873 χ^2/NDF: 445.0/19

Left In: -61.172+/-0.757 χ^2/NDF:316.9/22

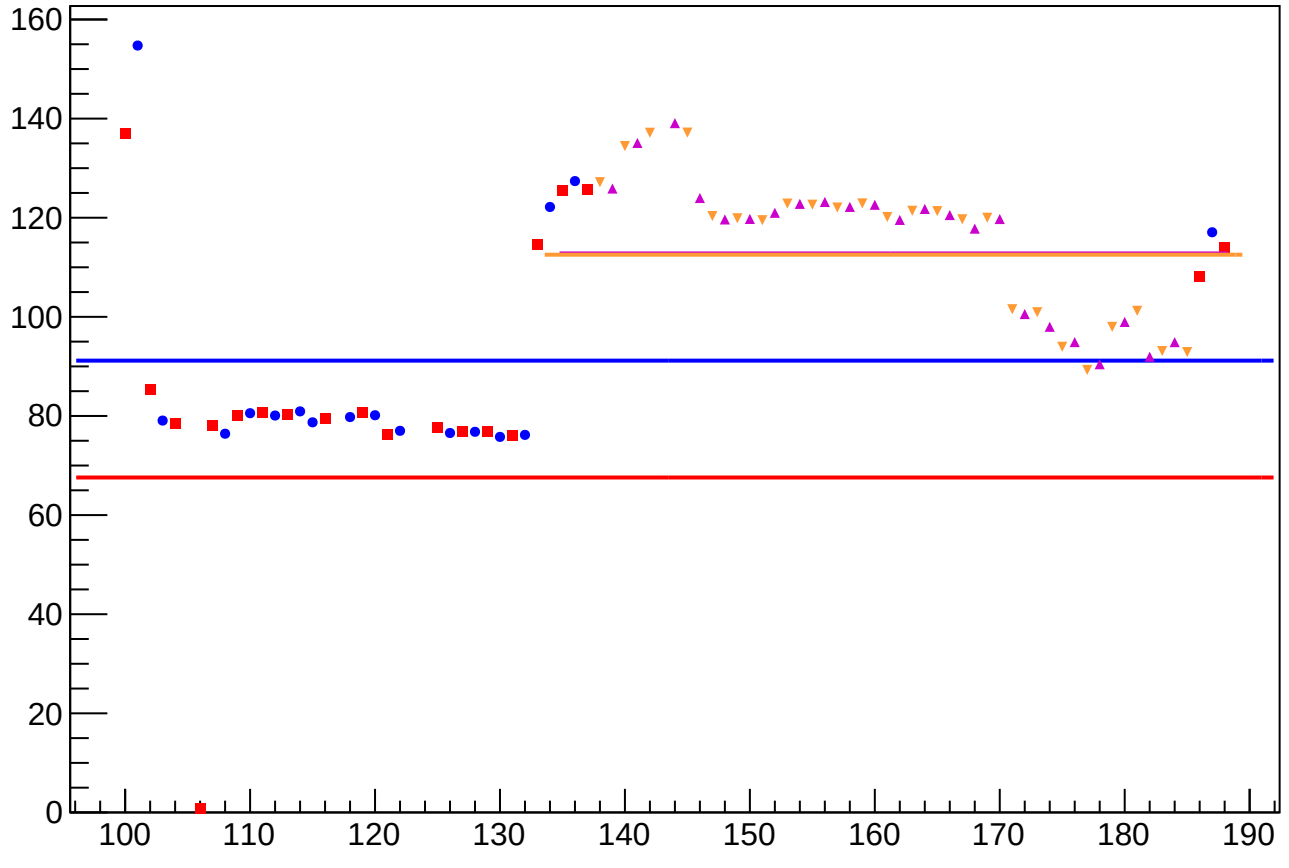
Left: -60.984+/-0.532 χ^2/NDF: 791.1/46

Right: -42.603+/-0.637 χ^2/NDF: 844.4/36

In: -54.774+/-0.587 χ^2/NDF:882.8/39

Out: -52.160+/-0.568 χ^2/NDF:1232.9/43

All: -53.424+/-0.408 χ^2/NDF: 2125.9/83



Right In: 91.166+/-0.058 χ^2/NDF: 164546.0/16

Left Out: 112.539+/-0.035 χ^2/NDF:174512.4/23

Right Out: 67.584+/-0.047 χ^2/NDF: 731828.1/19

Left In: 112.795+/-0.034 χ^2/NDF:171662.8/22

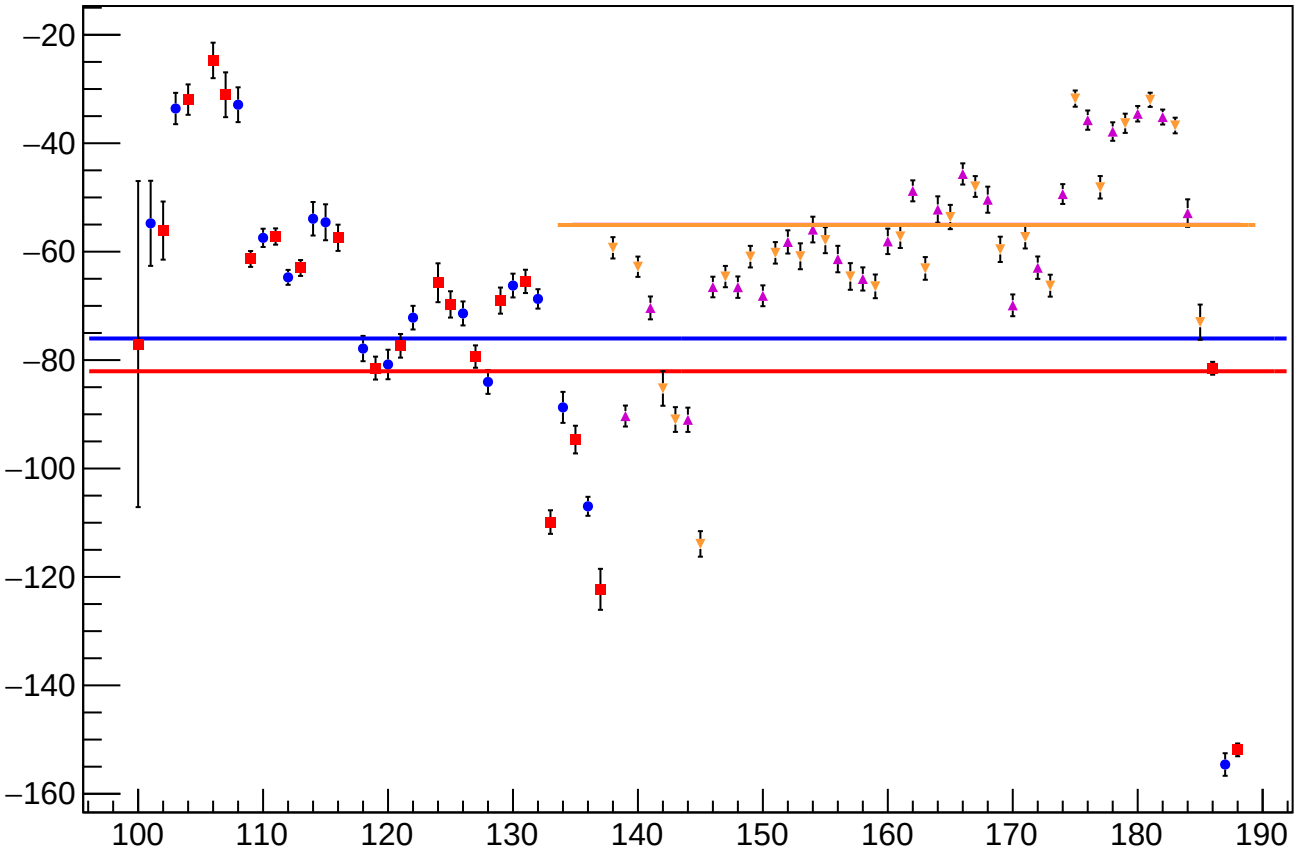
Left: 112.667+/-0.024 χ^2/NDF: 346202.6/46

Right: 77.048+/-0.037 χ^2/NDF: 995373.0/36

In: 107.157+/-0.030 χ^2/NDF:439047.3/39

Out: 96.956+/-0.028 χ^2/NDF:1492065.4/43

All: 101.764+/-0.020 χ^2/NDF: 1993874.9/83



Right In: -76.016+/-0.539 χ^2/NDF: 2502.2/16

Left Out: -55.077+/-0.401 χ^2/NDF:2002.8/24

Right Out: -82.060+/-0.446 χ^2/NDF: 5497.4/20

Left In: -55.050+/-0.410 χ^2/NDF:1541.8/22

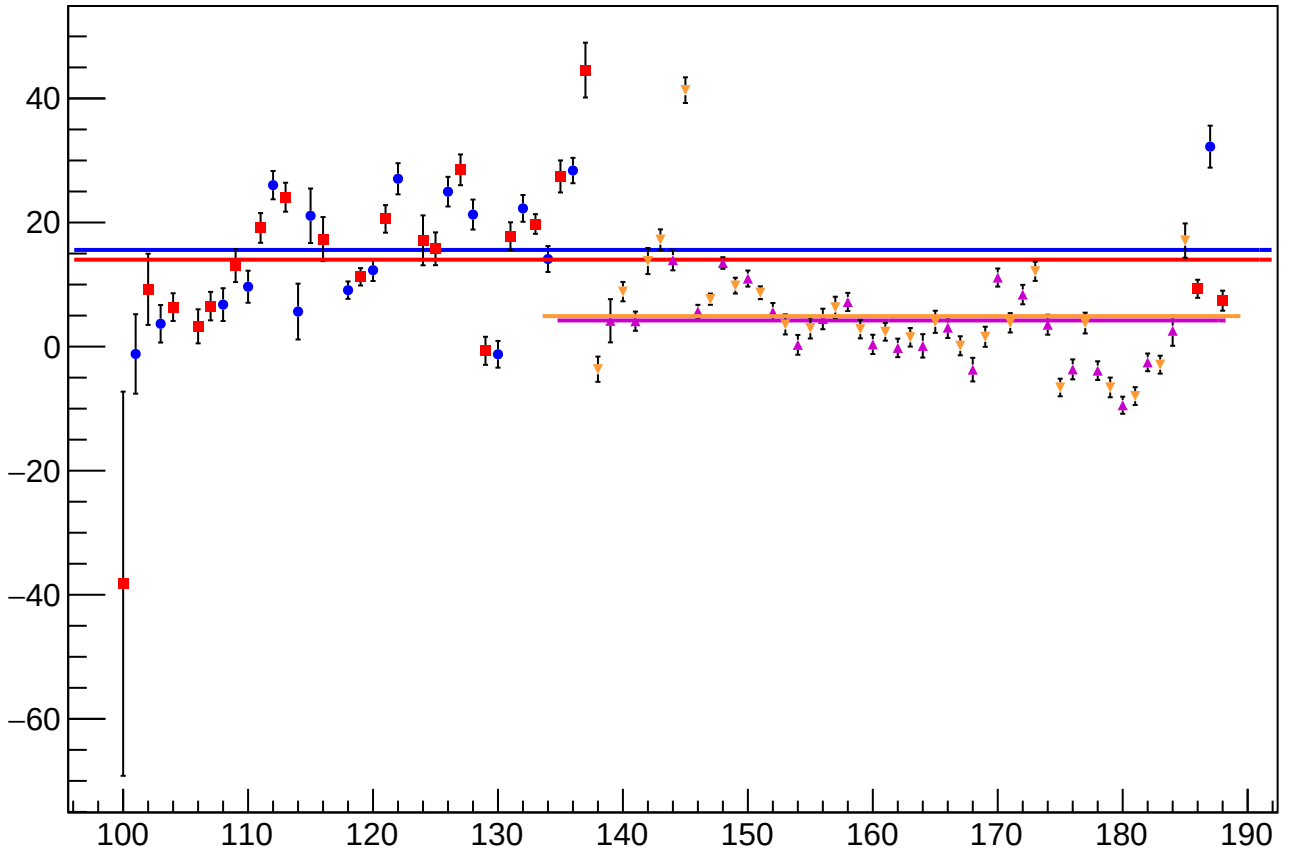
Left: -55.064+/-0.287 χ^2/NDF: 3544.6/47

Right: -79.605+/-0.343 χ^2/NDF: 8074.3/37

In: -62.750+/-0.327 χ^2/NDF:5002.2/39

Out: -67.136+/-0.298 χ^2/NDF:9528.3/45

All: -65.144+/-0.220 χ^2/NDF: 14629.0/85



Right In: 15.583+/-0.573 χ^2/NDF: 267.4/16

Left Out: 4.910+/-0.301 χ^2/NDF:741.5/24

Right Out: 14.011+/-0.496 χ^2/NDF: 273.5/20

Left In: 4.215+/-0.312 χ^2/NDF:415.1/22

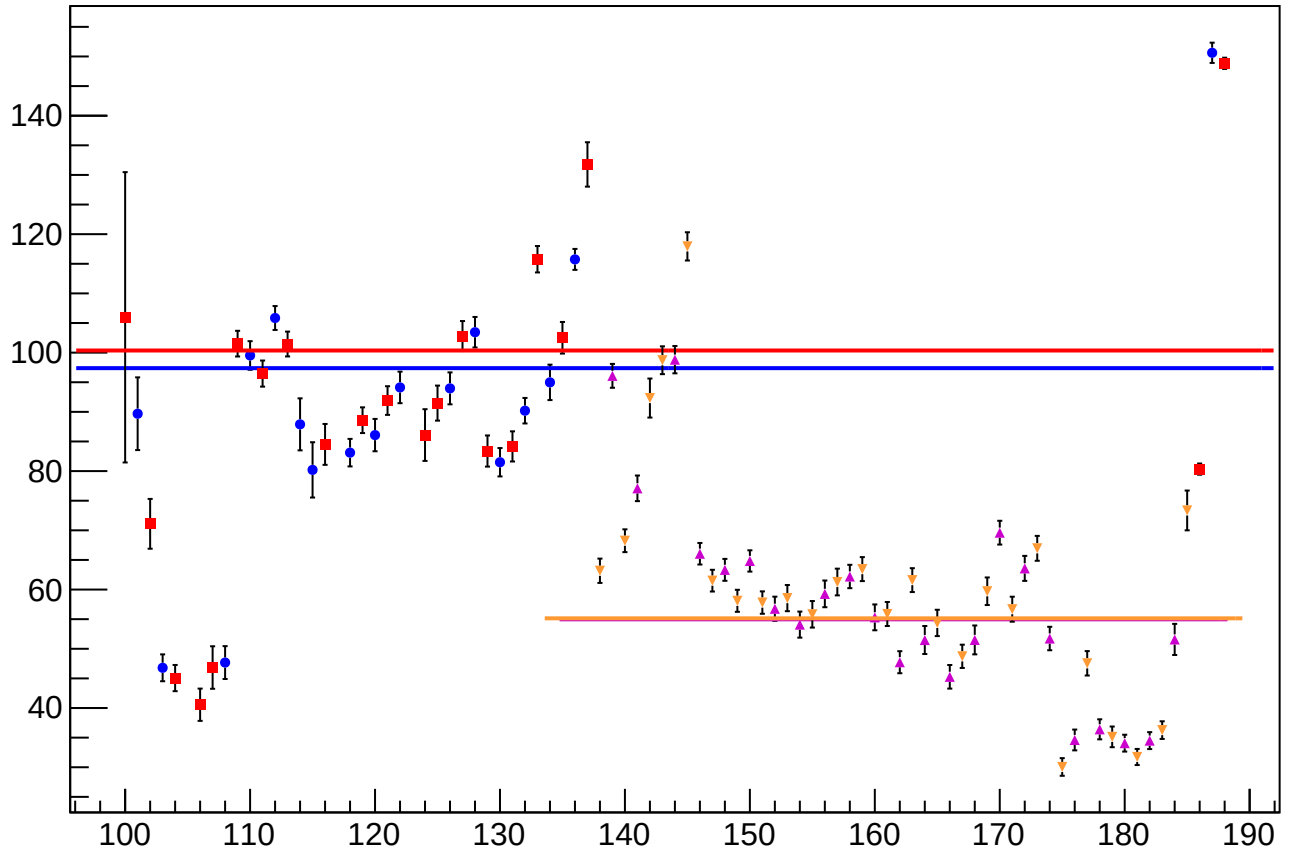
Left: 4.575+/-0.217 χ^2/NDF: 1159.1/47

Right: 14.685+/-0.375 χ^2/NDF: 545.1/37

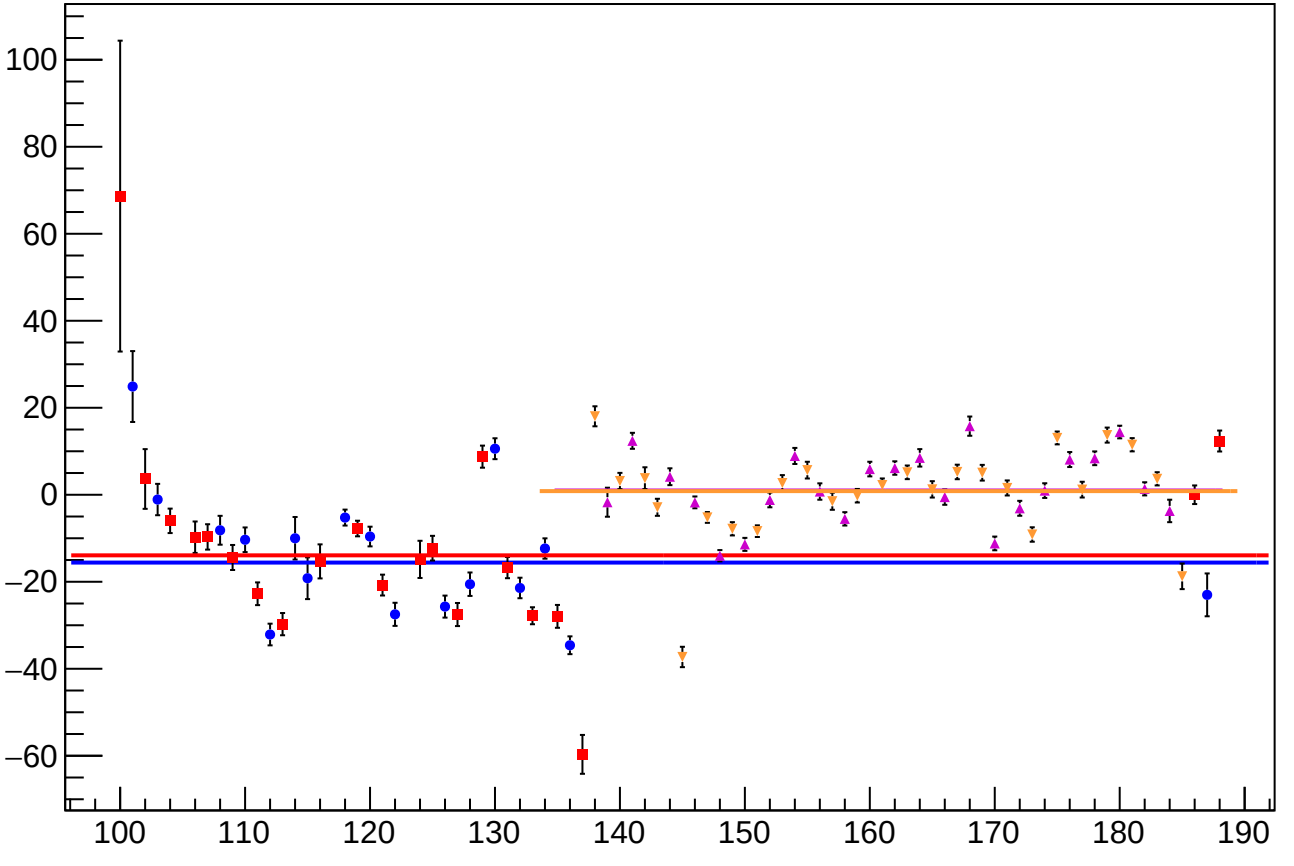
In: 6.822+/-0.274 χ^2/NDF:986.2/39

Out: 7.364+/-0.258 χ^2/NDF:1260.9/45

All: 7.110+/-0.188 χ^2/NDF: 2249.2/85


reg_asym_usr_atr1_avg_diff_bpm4eX_slope vs Slug, Sign Corrected
140
120
100
80
60
40
100
110
120
130
140
150
160
170
180
190
Right In: 97.381+/-0.600 χ²/NDF: 2053.2/16
Left Out: 55.142+/-0.397 χ²/NDF:2242.4/24
Right Out: 100.360+/-0.454 χ²/NDF: 4725.7/20
Left In: 54.972+/-0.406 χ²/NDF:1780.5/22
Left: 55.059+/-0.284 χ²/NDF: 4023.0/47
Right: 99.275+/-0.362 χ²/NDF: 6794.6/37
In: 68.274+/-0.336 χ²/NDF:7263.1/39
Out: 74.734+/-0.299 χ²/NDF:12591.7/45
All: 71.882+/-0.223 χ²/NDF: 20061.2/85

reg_asym_usr_atr1_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -15.589+/-0.659 χ^2/NDF: 388.8/16

Left Out: 0.840+/-0.343 χ^2/NDF:717.2/24

Right Out: -13.926+/-0.597 χ^2/NDF: 546.4/20

Left In: 0.980+/-0.353 χ^2/NDF:558.5/22

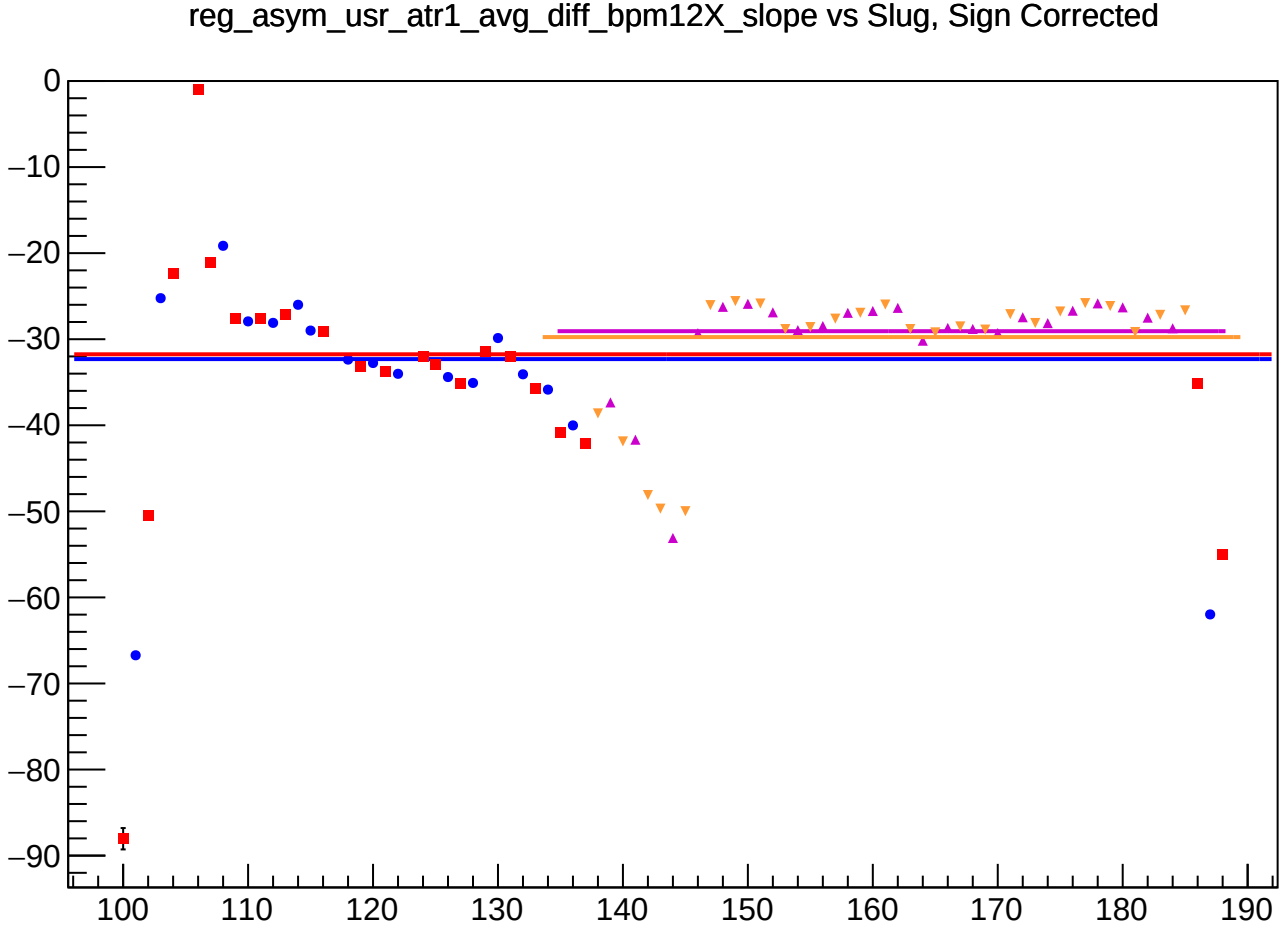
Left: 0.908+/-0.246 χ^2/NDF: 1275.8/47

Right: -14.675+/-0.443 χ^2/NDF: 938.7/37

In: -2.716+/-0.311 χ^2/NDF:1437.8/39

Out: -2.822+/-0.297 χ^2/NDF:1723.5/45

All: -2.771+/-0.215 χ^2/NDF: 3161.4/85



Right In: -32.310+/-0.038 χ^2/NDF: 51577.2/16

Left Out: -29.754+/-0.016 χ^2/NDF:163552.5/24

Right Out: -31.753+/-0.036 χ^2/NDF: 136027.9/20

Left In: -29.067+/-0.016 χ^2/NDF:101545.6/22

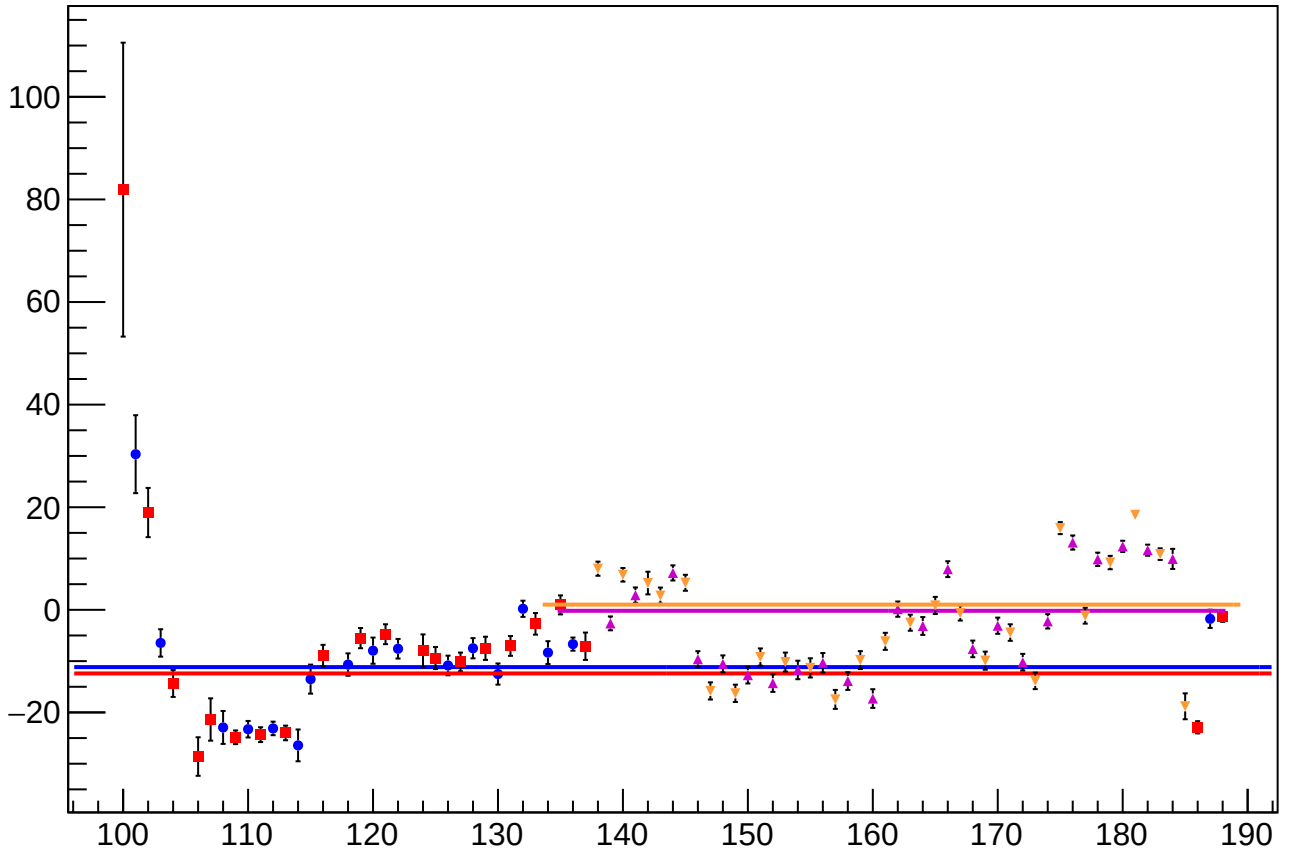
Left: -29.416+/-0.011 χ^2/NDF: 266057.0/47

Right: -32.013+/-0.026 χ^2/NDF: 187719.2/37

In: -29.542+/-0.015 χ^2/NDF:159294.2/39

Out: -30.074+/-0.014 χ^2/NDF:302218.5/45

All: -29.814+/-0.010 χ^2/NDF: 462192.5/85



Right In: -11.167+/-0.478 χ^2/NDF: 312.5/16

Left Out: 1.015+/-0.305 χ^2/NDF:1335.1/24

Right Out: -12.402+/-0.408 χ^2/NDF: 620.3/20

Left In: -0.192+/-0.315 χ^2/NDF:982.8/22

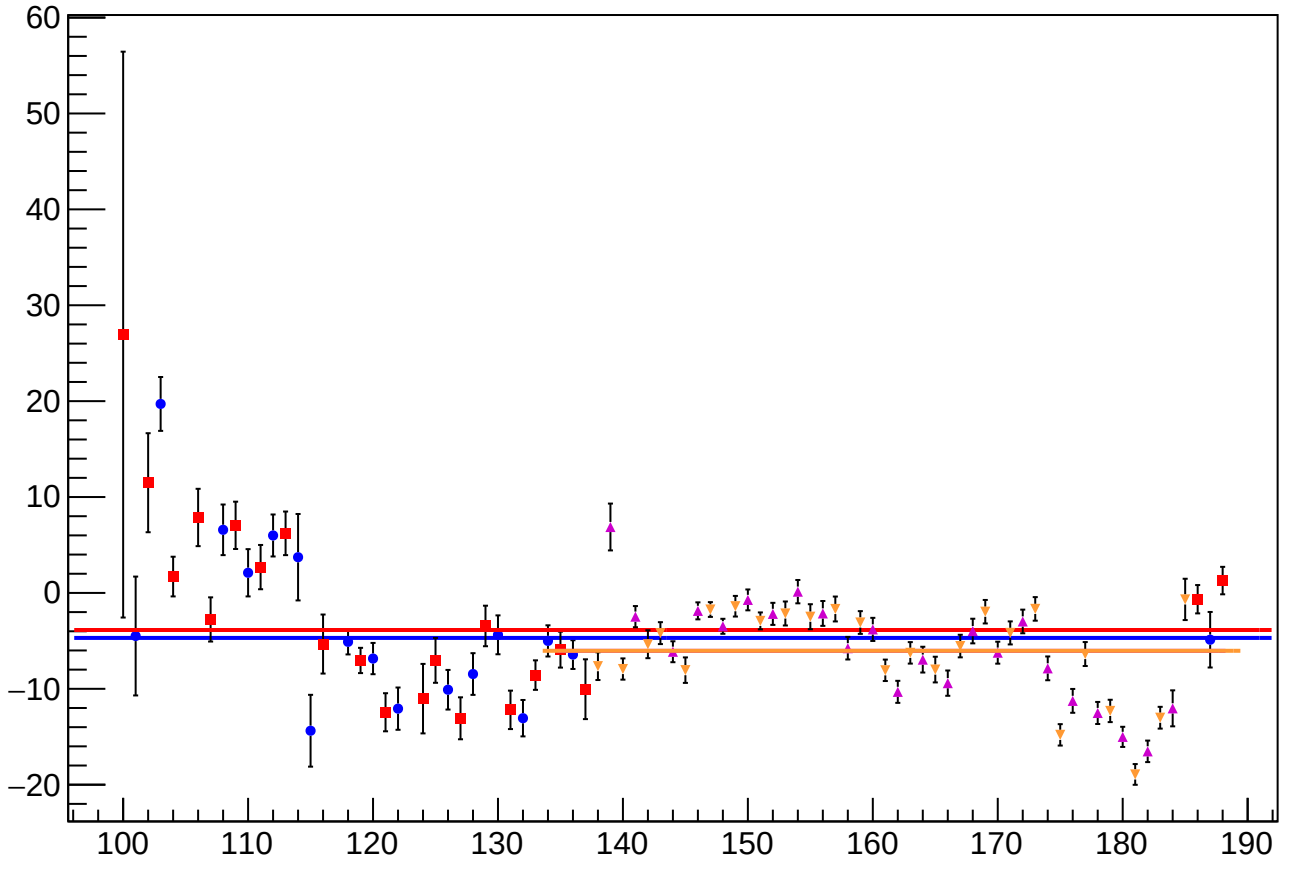
Left: 0.431+/-0.219 χ^2/NDF: 2325.4/47

Right: -11.882+/-0.310 χ^2/NDF: 936.6/37

In: -3.506+/-0.263 χ^2/NDF:1662.8/39

Out: -3.790+/-0.244 χ^2/NDF:2649.5/45

All: -3.658+/-0.179 χ^2/NDF: 4312.9/85



Right In: -4.692+/-0.509 χ^2/NDF: 179.1/16

Left Out: -6.035+/-0.233 χ^2/NDF:414.9/24

Right Out: -3.866+/-0.459 χ^2/NDF: 177.7/20

Left In: -6.043+/-0.243 χ^2/NDF:396.2/22

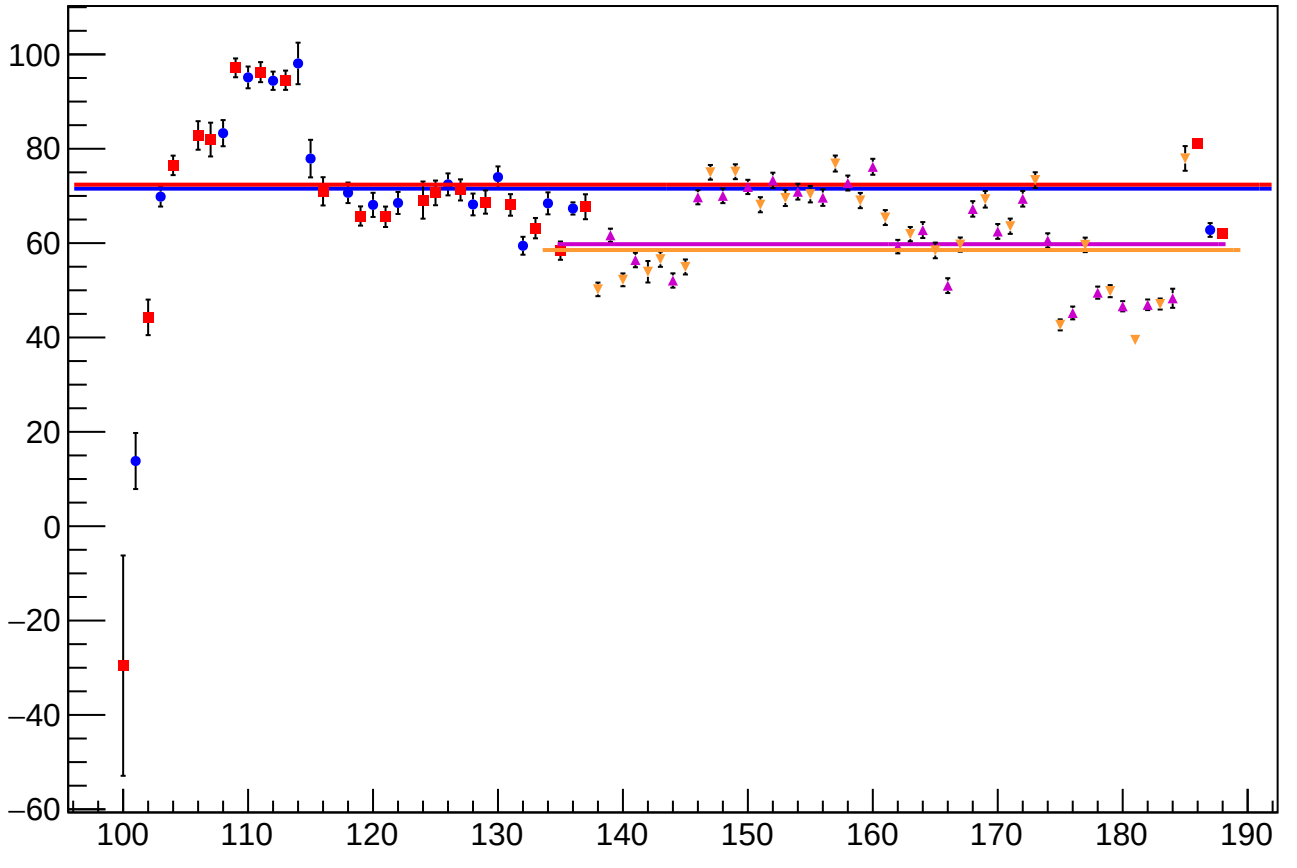
Left: -6.039+/-0.168 χ^2/NDF: 811.1/47

Right: -4.237+/-0.341 χ^2/NDF: 358.2/37

In: -5.793+/-0.219 χ^2/NDF:581.0/39

Out: -5.590+/-0.208 χ^2/NDF:610.3/45

All: -5.686+/-0.151 χ^2/NDF: 1191.8/85



Right In: 71.547+/-0.527 χ^2/NDF: 492.3/16

Left Out: 58.535+/-0.303 χ^2/NDF:1449.2/24

Right Out: 72.391+/-0.417 χ^2/NDF: 835.2/20

Left In: 59.777+/-0.312 χ^2/NDF:1070.5/22

Left: 59.139+/-0.217 χ^2/NDF: 2527.9/47

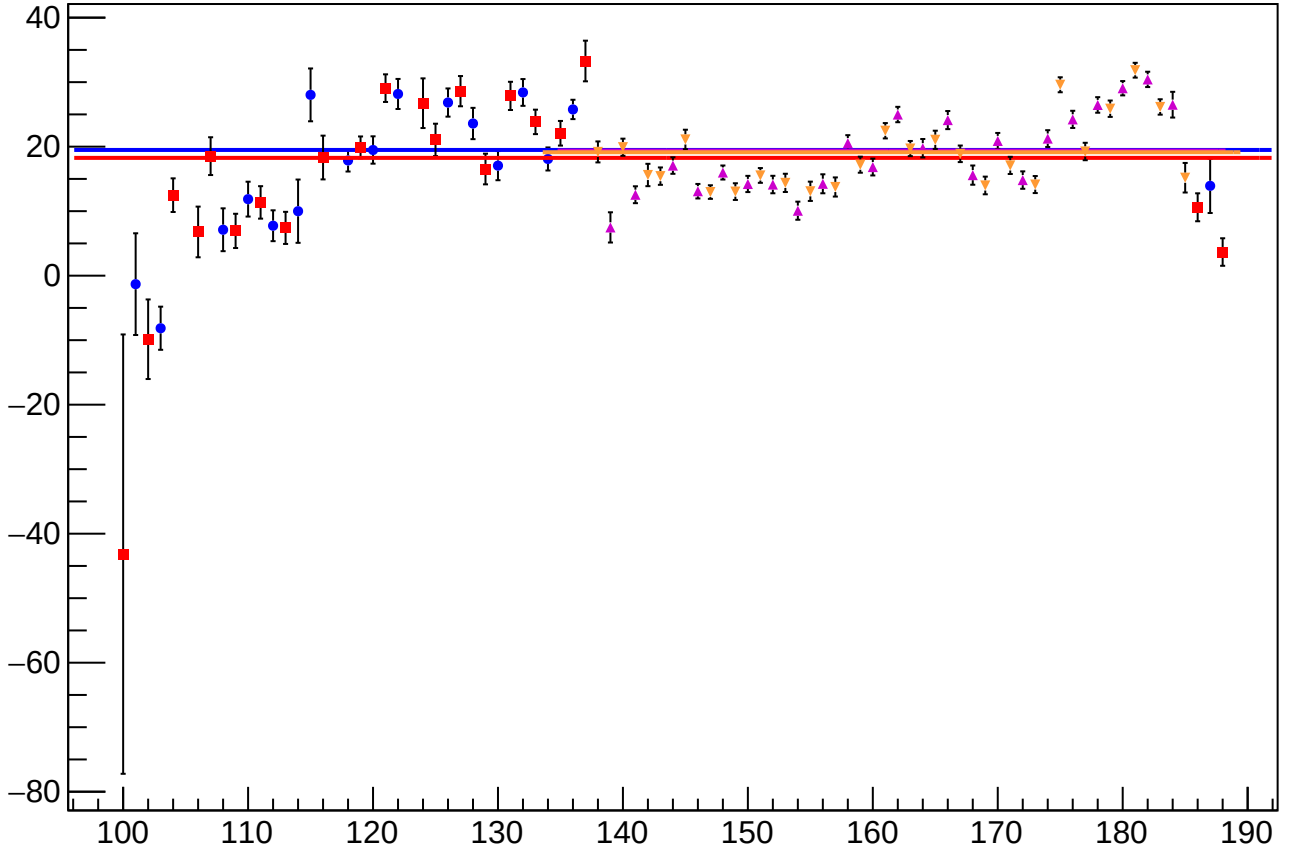
Right: 72.066+/-0.327 χ^2/NDF: 1329.1/37

In: 62.825+/-0.268 χ^2/NDF:1932.4/39

Out: 63.321+/-0.245 χ^2/NDF:3007.0/45

All: 63.095+/-0.181 χ^2/NDF: 4941.3/85

reg_asym_usr_atr1_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 19.490+/-0.580 χ^2/NDF: 197.8/16

Left Out: 19.138+/-0.264 χ^2/NDF:433.7/24

Right Out: 18.261+/-0.546 χ^2/NDF: 248.7/20

Left In: 19.390+/-0.274 χ^2/NDF:467.7/22

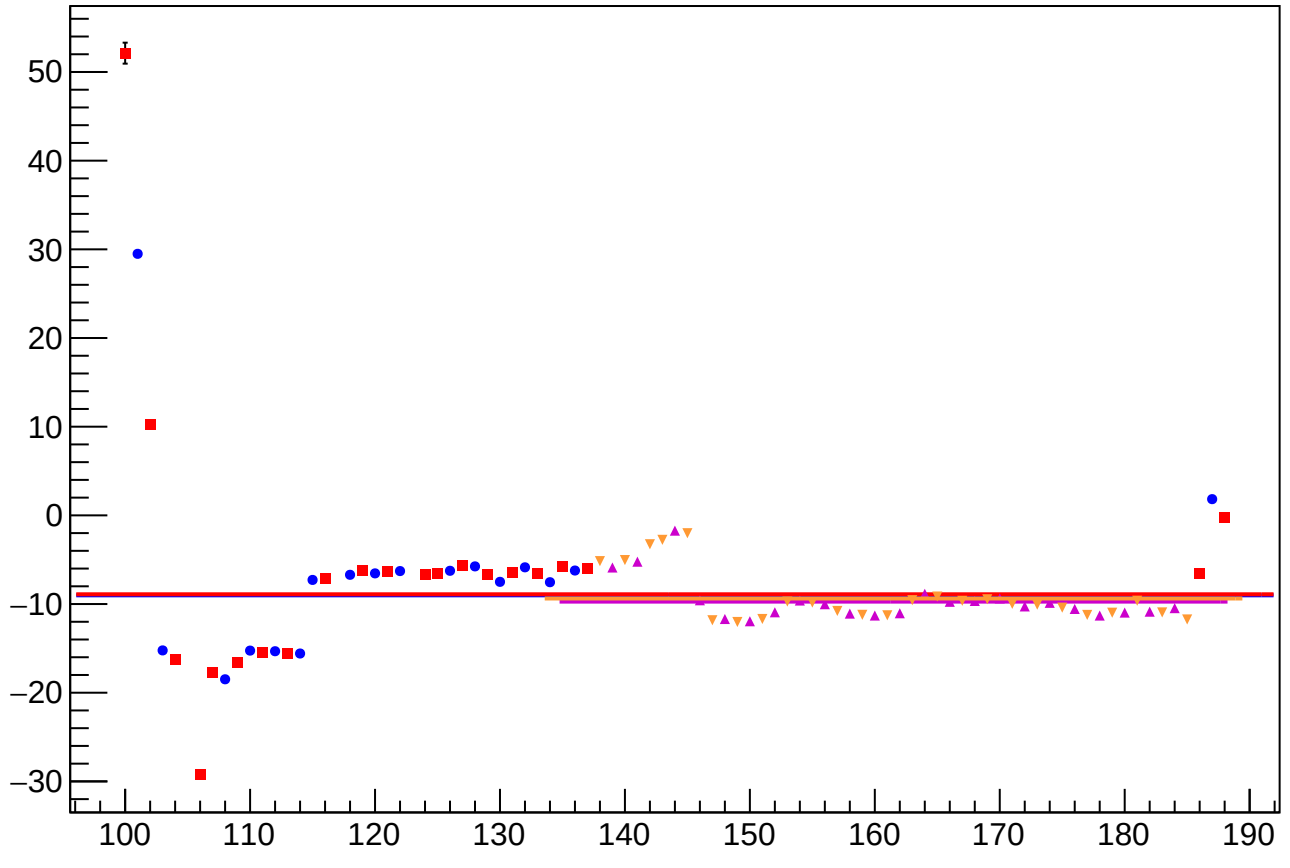
Left: 19.260+/-0.190 χ^2/NDF: 901.9/47

Right: 18.839+/-0.398 χ^2/NDF: 448.8/37

In: 19.408+/-0.247 χ^2/NDF:665.5/39

Out: 18.972+/-0.238 χ^2/NDF:684.5/45

All: 19.181+/-0.171 χ^2/NDF: 1351.6/85



Right In: -9.017+/-0.033 χ^2/NDF: 33393.6/16

Left Out: -9.375+/-0.012 χ^2/NDF:49934.3/24

Right Out: -8.901+/-0.032 χ^2/NDF: 61530.3/20

Left In: -9.726+/-0.012 χ^2/NDF:31951.7/22

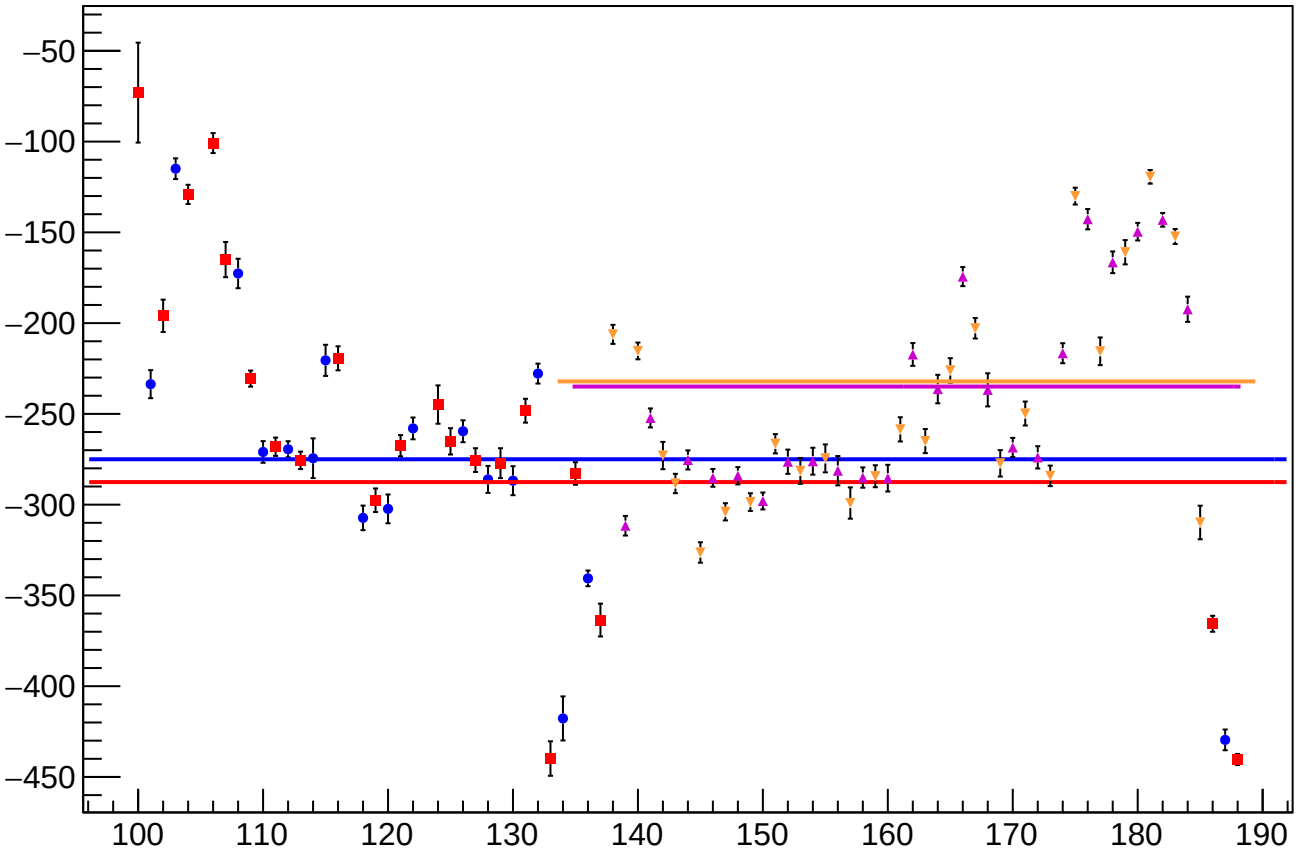
Left: -9.547+/-0.008 χ^2/NDF: 82314.4/47

Right: -8.958+/-0.023 χ^2/NDF: 94930.4/37

In: -9.639+/-0.011 χ^2/NDF:65762.5/39

Out: -9.317+/-0.011 χ^2/NDF:111656.5/45

All: -9.475+/-0.008 χ^2/NDF: 177829.0/85



Right In: -274.995+/-1.553 χ^2/NDF: 2246.0/16

Left Out: -232.091+/-1.143 χ^2/NDF:3269.9/24

Right Out: -287.567+/-1.292 χ^2/NDF: 5870.6/20

Left In: -234.951+/-1.176 χ^2/NDF:2470.2/22

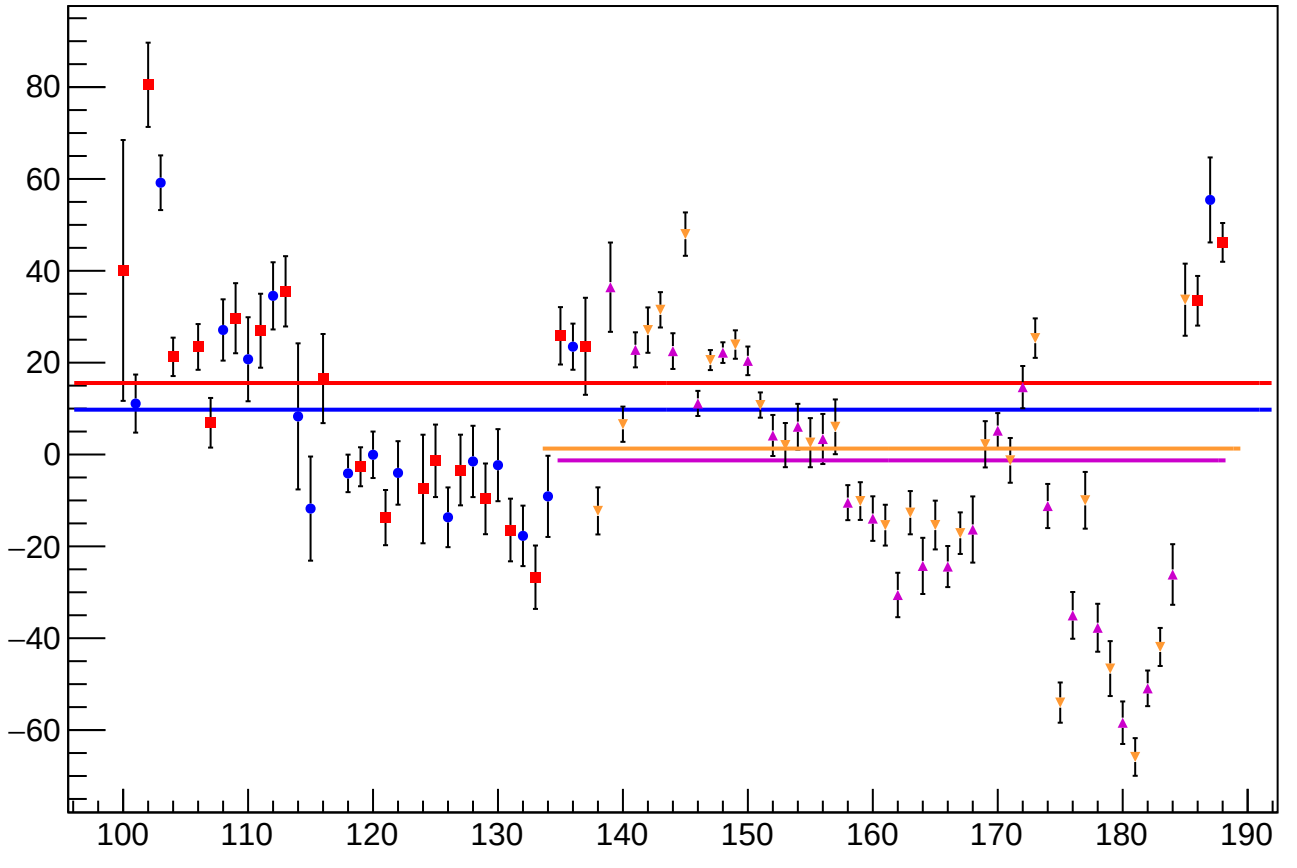
Left: -233.480+/-0.820 χ^2/NDF: 5743.2/47

Right: -282.424+/-0.993 χ^2/NDF: 8155.4/37

In: -249.541+/-0.937 χ^2/NDF:5138.9/39

Out: -256.445+/-0.856 χ^2/NDF:10174.7/45

All: -253.305+/-0.632 χ^2/NDF: 15343.2/85



Right In: 9.761+/-1.619 χ^2/NDF: 182.8/16

Left Out: 1.295+/-0.837 χ^2/NDF:1049.5/24

Right Out: 15.569+/-1.397 χ^2/NDF: 263.8/20

Left In: -1.280+/-0.869 χ^2/NDF:811.2/22

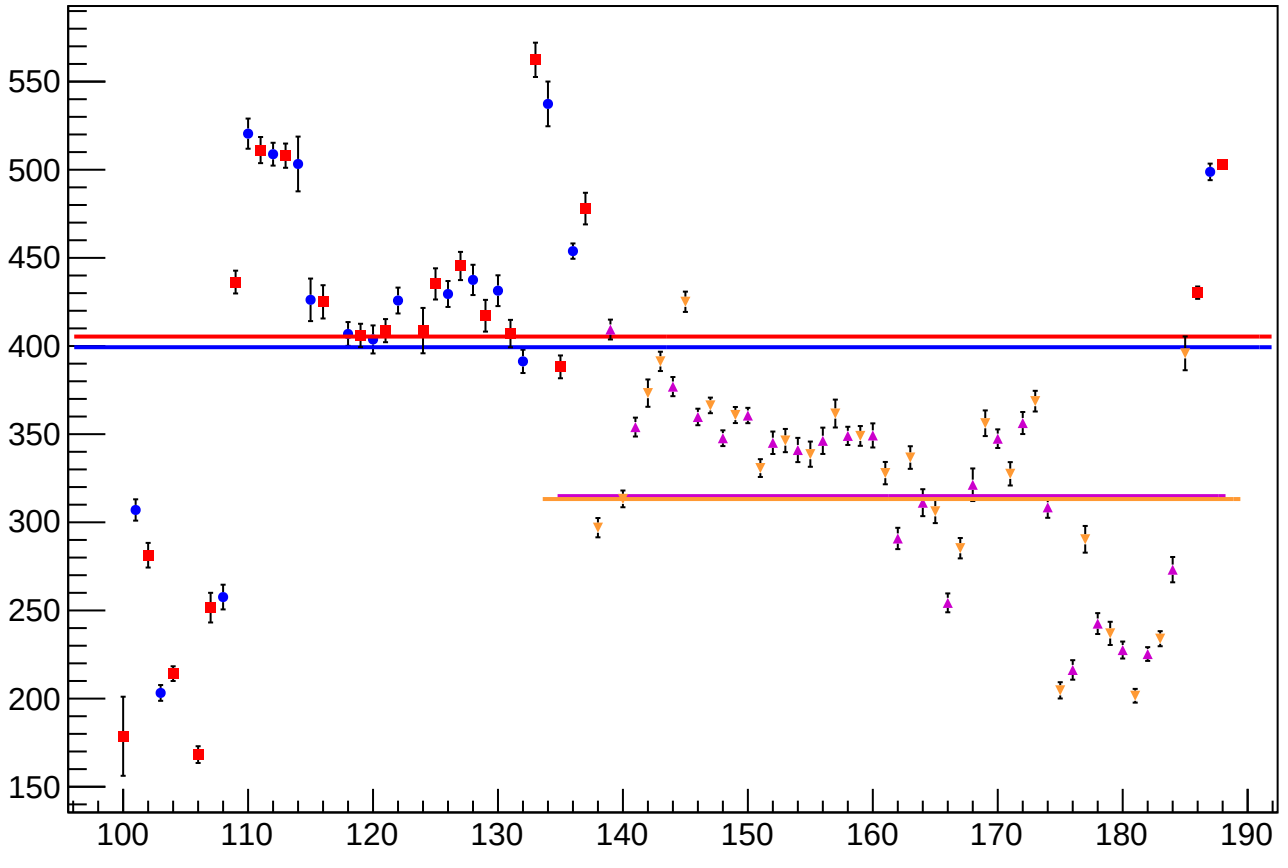
Left: 0.056+/-0.603 χ^2/NDF: 1865.2/47

Right: 13.091+/-1.057 χ^2/NDF: 454.0/37

In: 1.189+/-0.766 χ^2/NDF:1030.1/39

Out: 5.066+/-0.718 χ^2/NDF:1390.1/45

All: 3.252+/-0.524 χ^2/NDF: 2433.9/85



Right In: 399.324+/-1.633 χ^2/NDF: 3885.2/16

Left Out: 313.197+/-1.134 χ^2/NDF:3135.7/24

Right Out: 405.362+/-1.275 χ^2/NDF: 7777.3/20

Left In: 314.864+/-1.161 χ^2/NDF:2429.0/22

Left: 314.010+/-0.811 χ^2/NDF: 5565.8/47

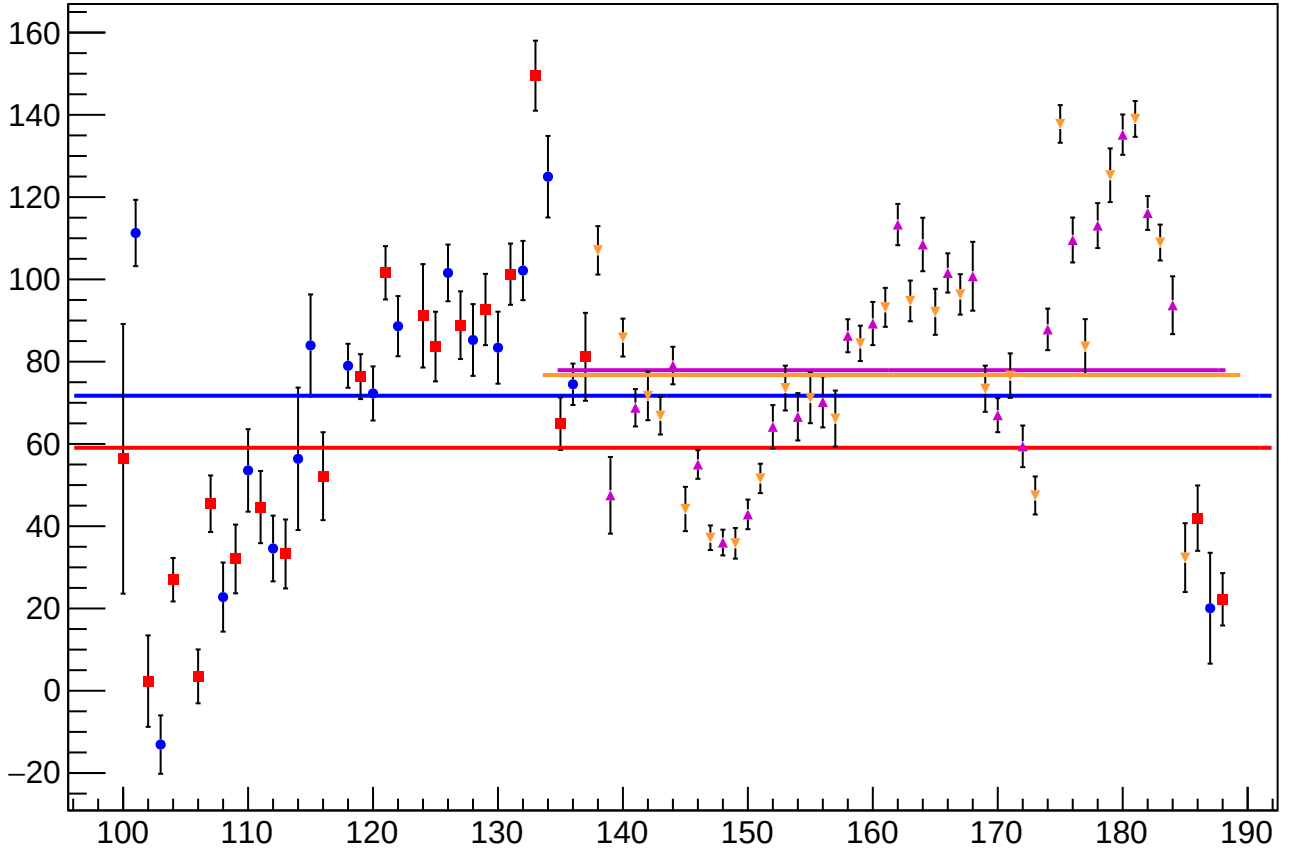
Right: 403.076+/-1.005 χ^2/NDF: 11670.9/37

In: 343.229+/-0.946 χ^2/NDF:8090.5/39

Out: 353.918+/-0.847 χ^2/NDF:13831.7/45

All: 349.163+/-0.631 χ^2/NDF: 21992.9/85

reg_asym_usr_atr2_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 71.717+/-1.878 χ^2/NDF: 319.3/16

Left Out: 76.758+/-0.967 χ^2/NDF:1035.3/24

Right Out: 59.066+/-1.688 χ^2/NDF: 446.1/20

Left In: 77.923+/-0.997 χ^2/NDF:783.8/22

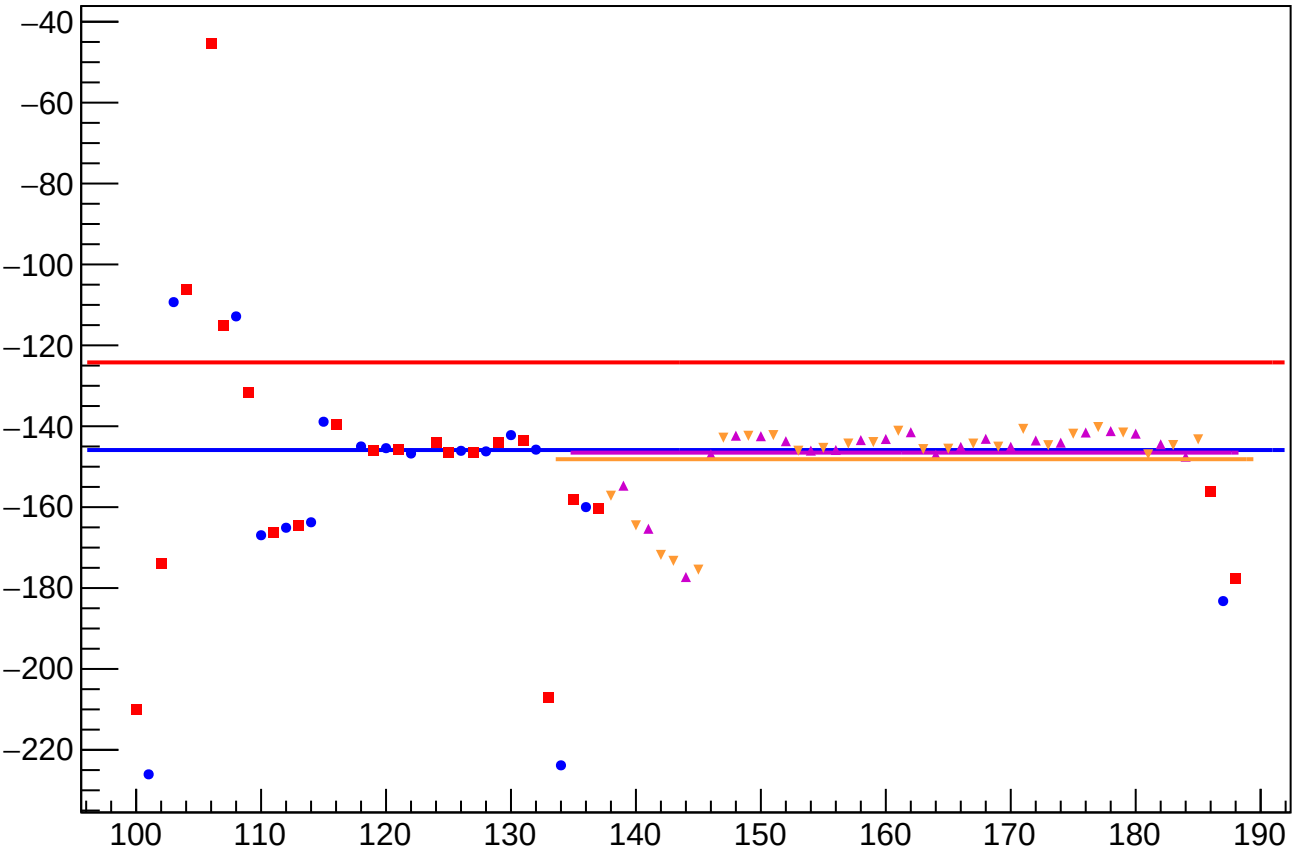
Left: 77.323+/-0.694 χ^2/NDF: 1819.9/47

Right: 64.719+/-1.256 χ^2/NDF: 790.5/37

In: 76.559+/-0.881 χ^2/NDF:1111.6/39

Out: 72.389+/-0.839 χ^2/NDF:1564.2/45

All: 74.373+/-0.607 χ^2/NDF: 2687.6/85



Right In: -145.880+/-0.098 χ^2/NDF: 134547.6/16

Left Out: -148.148+/-0.045 χ^2/NDF:48910.2/24

Right Out: -124.217+/-0.085 χ^2/NDF: 299429.5/20

Left In: -146.523+/-0.046 χ^2/NDF:29172.3/22

Left: -147.344+/-0.032 χ^2/NDF: 78725.9/47

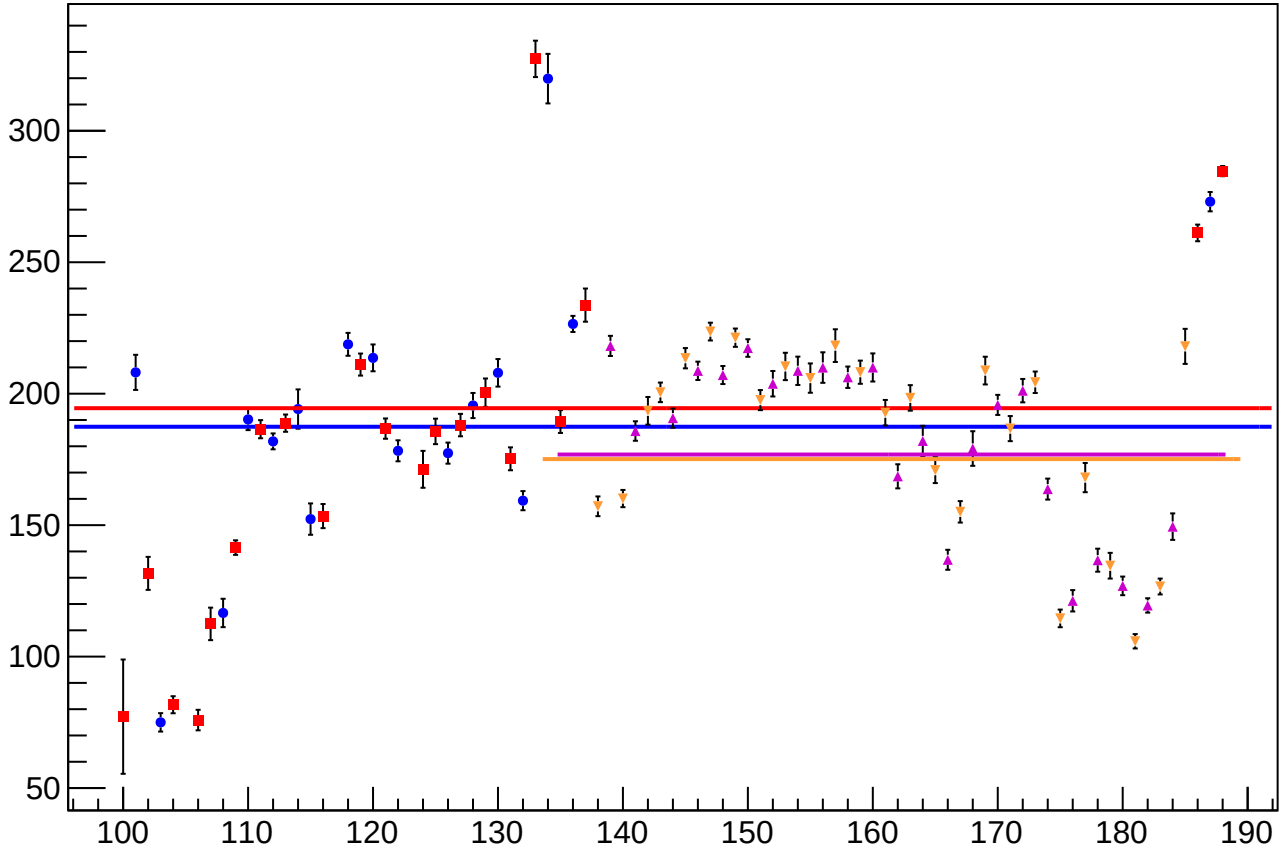
Right: -133.600+/-0.064 χ^2/NDF: 461955.9/37

In: -146.408+/-0.041 χ^2/NDF:163755.5/39

Out: -142.916+/-0.040 χ^2/NDF:409931.9/45

All: -144.601+/-0.029 χ^2/NDF: 577391.8/85

reg_asym_usr_atr2_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 187.427+/-1.044 χ^2/NDF: 2322.7/16

Left Out: 175.126+/-0.822 χ^2/NDF:2295.2/24

Right Out: 194.488+/-0.856 χ^2/NDF: 5976.3/20

Left In: 176.862+/-0.847 χ^2/NDF:1756.1/22

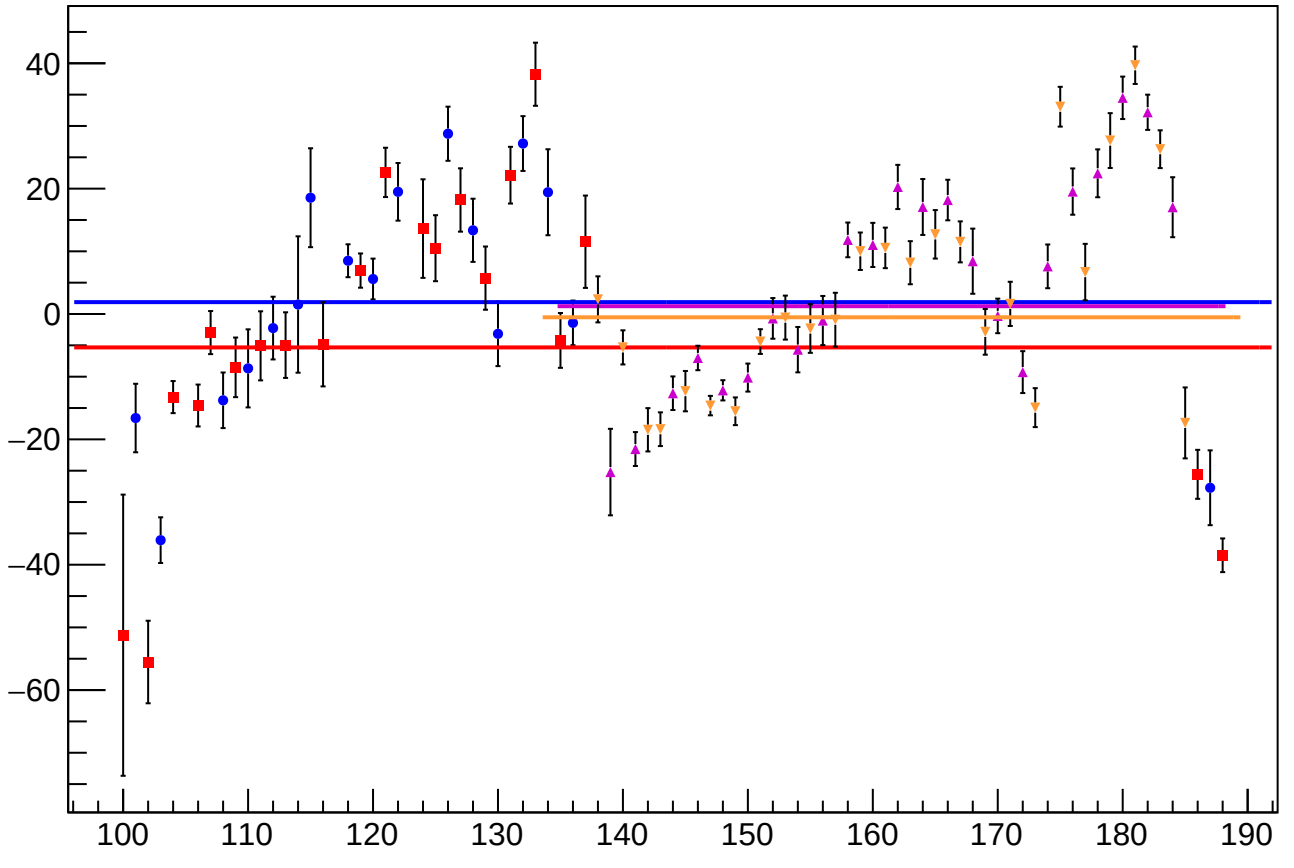
Left: 175.968+/-0.590 χ^2/NDF: 4053.4/47

Right: 191.649+/-0.662 χ^2/NDF: 8326.4/37

In: 181.056+/-0.658 χ^2/NDF:4140.6/39

Out: 184.416+/-0.593 χ^2/NDF:8537.7/45

All: 182.910+/-0.440 χ^2/NDF: 12692.7/85



Right In: 1.893+/-1.086 χ^2/NDF: 273.0/16

Left Out: -0.523+/-0.601 χ^2/NDF:724.5/24

Right Out: -5.332+/-0.921 χ^2/NDF: 488.5/20

Left In: 1.244+/-0.625 χ^2/NDF:620.6/22

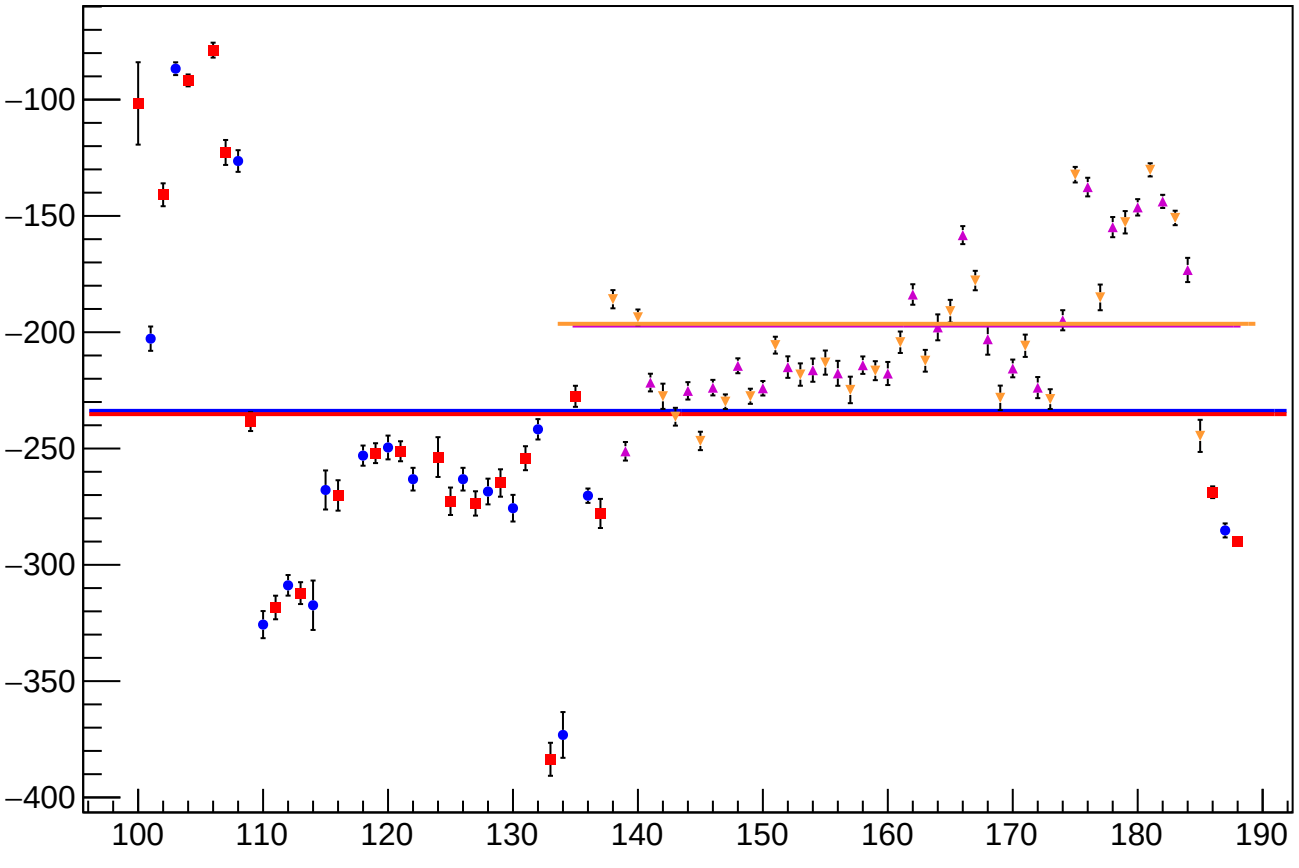
Left: 0.325+/-0.433 χ^2/NDF: 1349.2/47

Right: -2.312+/-0.702 χ^2/NDF: 787.3/37

In: 1.406+/-0.542 χ^2/NDF:893.8/39

Out: -1.959+/-0.503 χ^2/NDF:1232.1/45

All: -0.402+/-0.369 χ^2/NDF: 2146.6/85



Right In: -233.813+/-1.095 χ^2/NDF: 4872.7/16

Left Out: -196.380+/-0.816 χ^2/NDF:1997.7/24

Right Out: -235.213+/-0.840 χ^2/NDF: 9024.1/20

Left In: -197.128+/-0.837 χ^2/NDF:1601.5/22

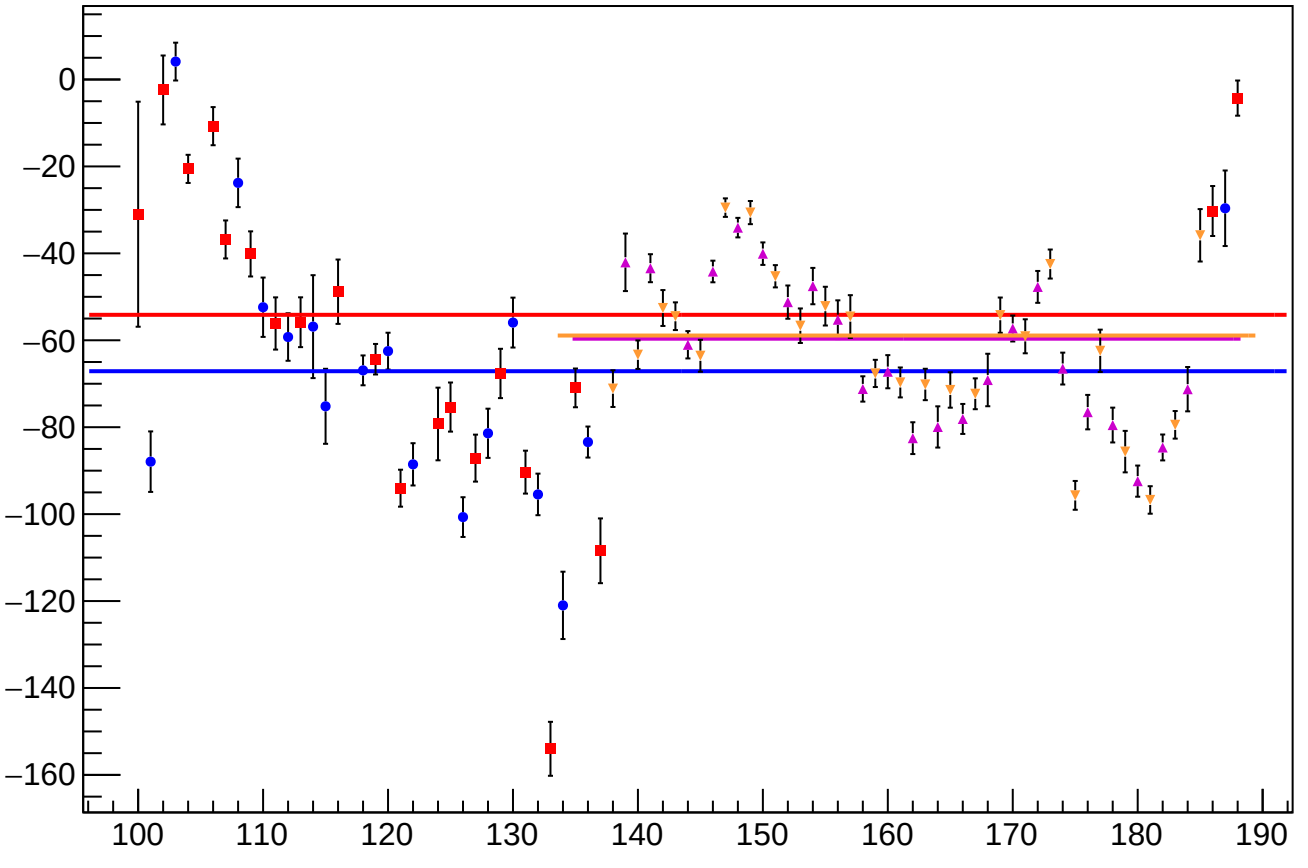
Left: -196.744+/-0.584 χ^2/NDF: 3599.6/47

Right: -234.694+/-0.666 χ^2/NDF: 13897.9/37

In: -210.654+/-0.665 χ^2/NDF:7182.8/39

Out: -215.228+/-0.585 χ^2/NDF:12121.8/45

All: -213.232+/-0.439 χ^2/NDF: 19331.3/85



Right In: -67.116+/-1.264 χ^2/NDF: 553.1/16

Left Out: -58.910+/-0.695 χ^2/NDF:782.5/24

Right Out: -54.142+/-1.115 χ^2/NDF: 984.0/20

Left In: -59.637+/-0.718 χ^2/NDF:597.0/22

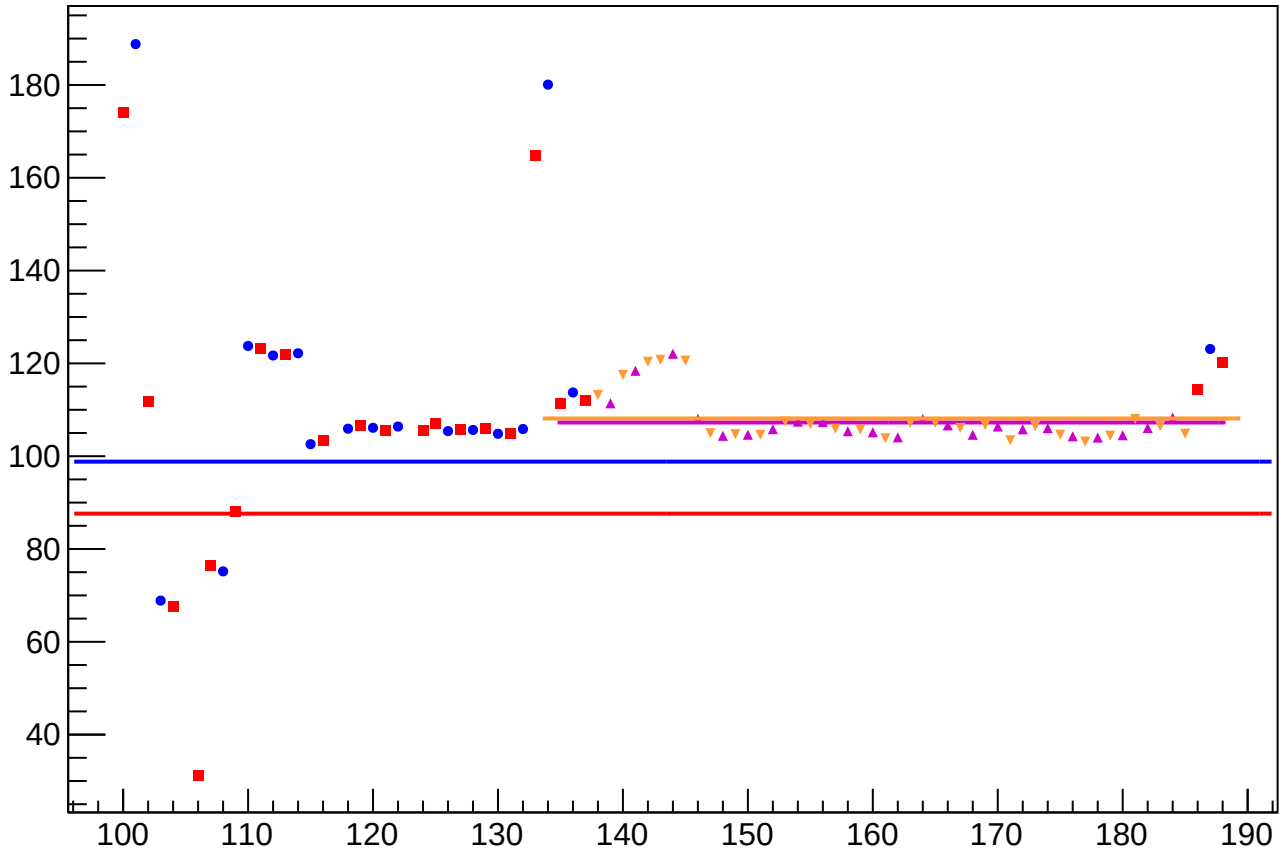
Left: -59.261+/-0.499 χ^2/NDF: 1380.0/47

Right: -59.816+/-0.836 χ^2/NDF: 1596.3/37

In: -61.462+/-0.625 χ^2/NDF:1176.5/39

Out: -57.576+/-0.590 χ^2/NDF:1779.6/45

All: -59.407+/-0.429 χ^2/NDF: 2976.6/85



Right In: 98.828+/-0.065 χ^2/NDF: 230973.4/16

Left Out: 108.136+/-0.032 χ^2/NDF:26420.1/24

Right Out: 87.620+/-0.058 χ^2/NDF: 298192.4/20

Left In: 107.266+/-0.033 χ^2/NDF:16879.3/22

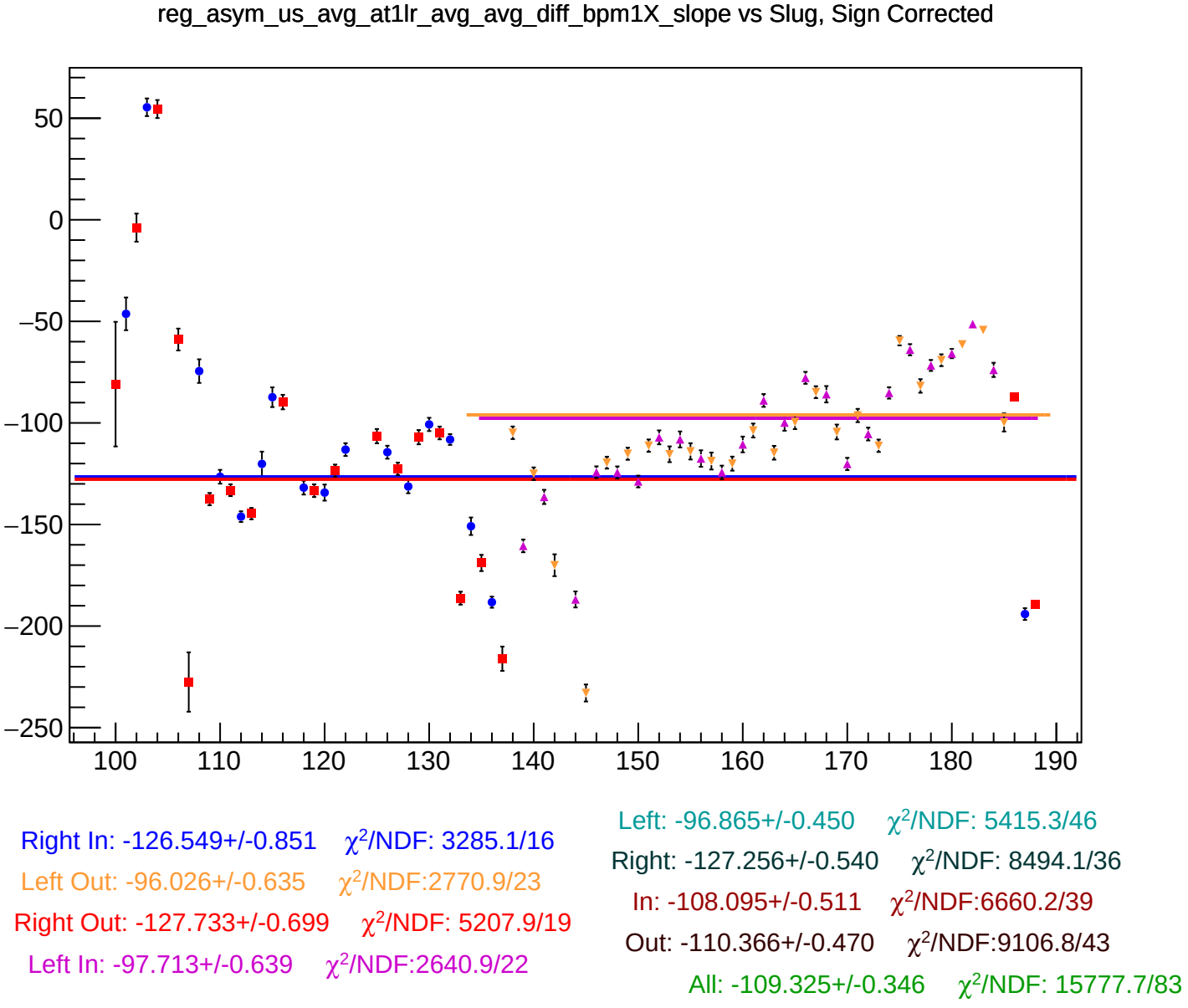
Left: 107.706+/-0.023 χ^2/NDF: 43654.4/47

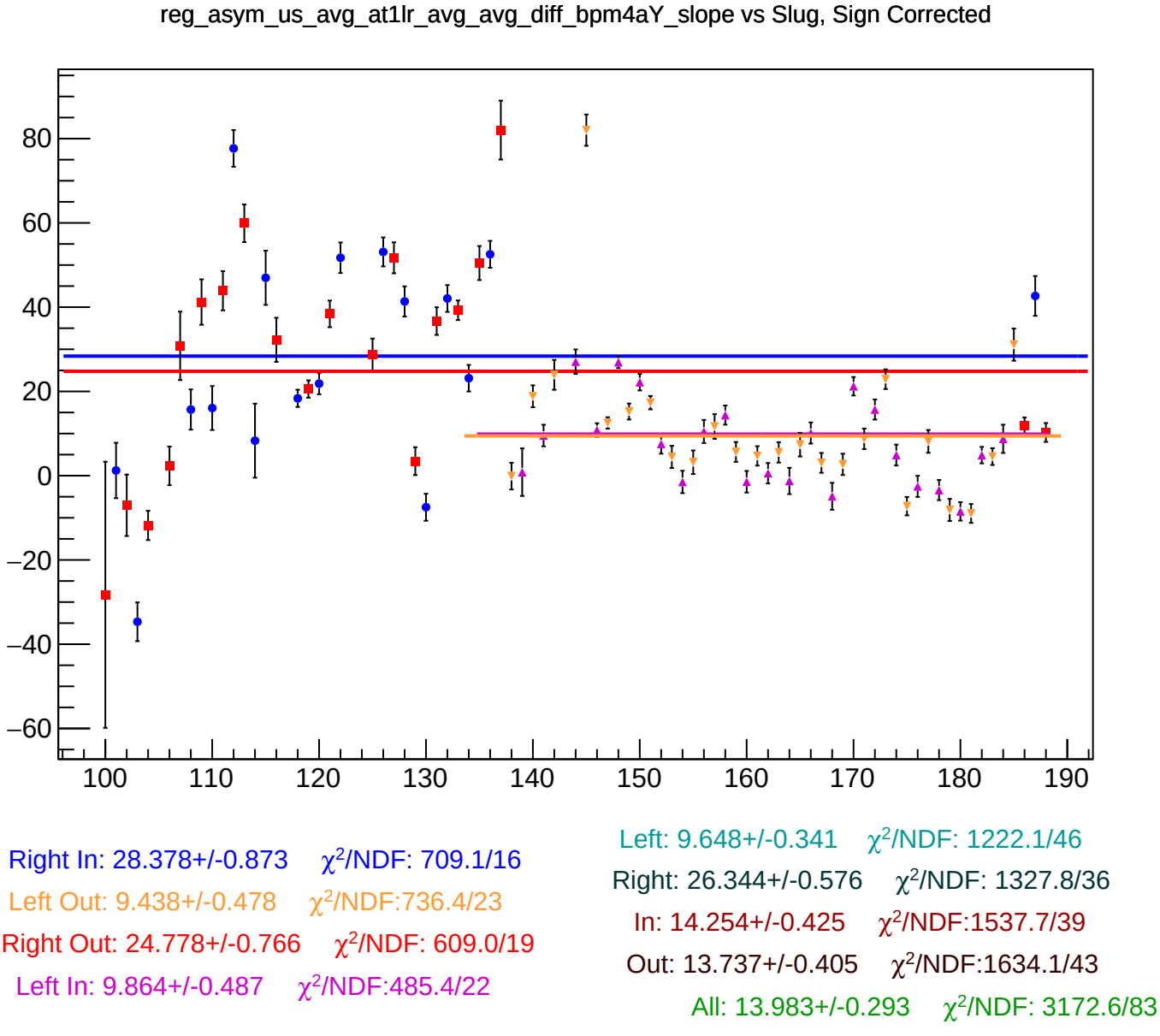
Right: 92.535+/-0.043 χ^2/NDF: 545637.5/37

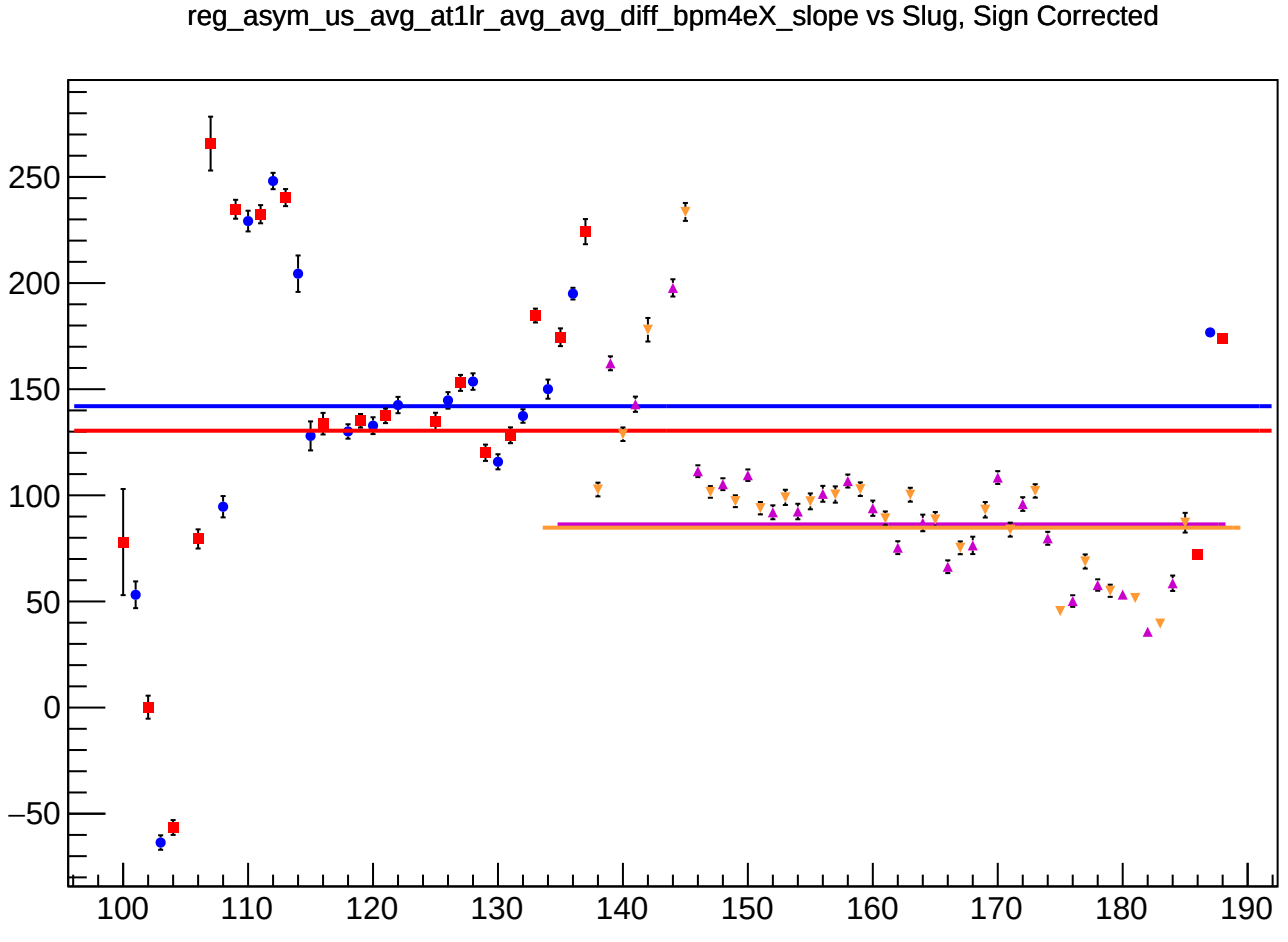
In: 105.568+/-0.029 χ^2/NDF:261137.6/39

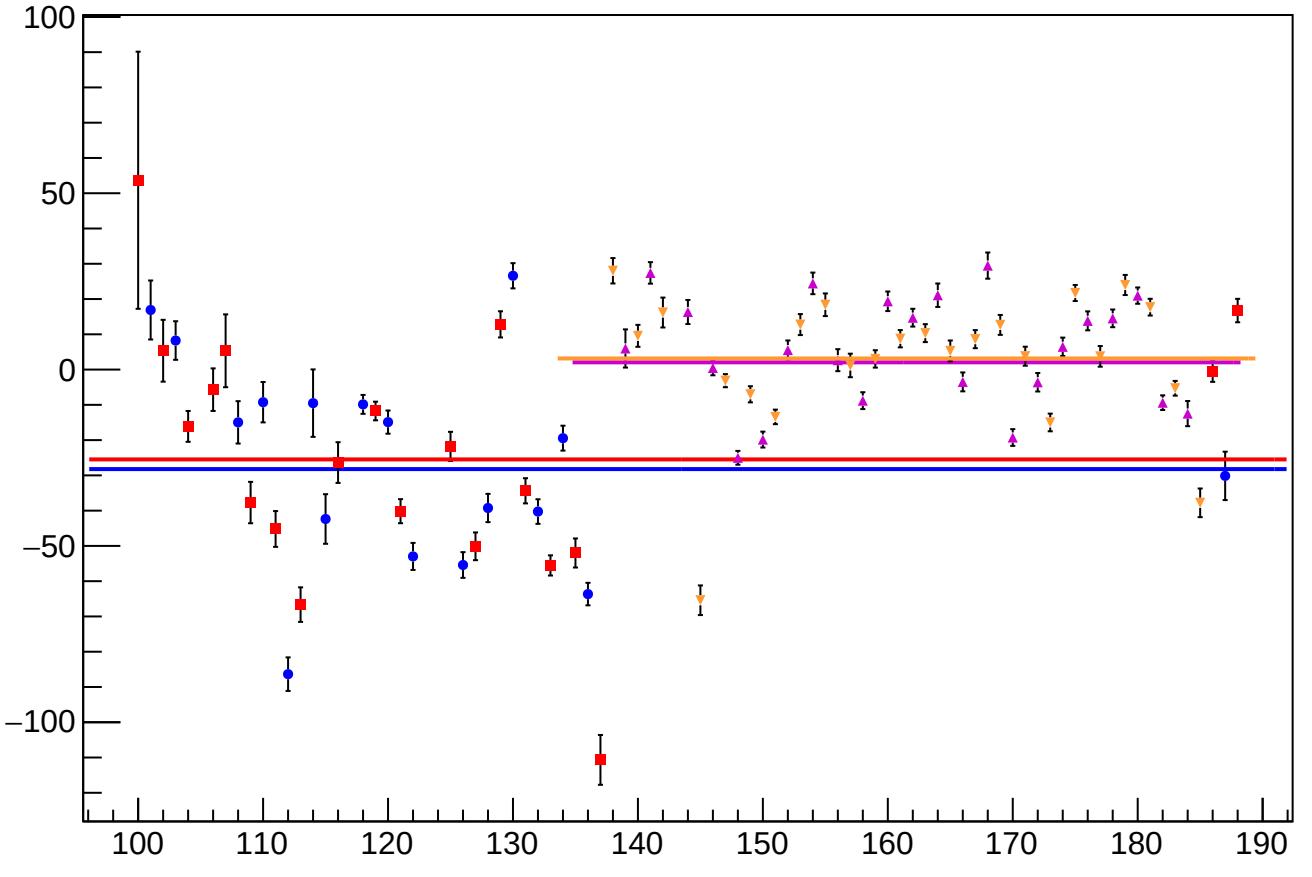
Out: 103.222+/-0.028 χ^2/NDF:420325.8/45

All: 104.353+/-0.020 χ^2/NDF: 684775.3/85


reg_asym_us_avg_at1lr_avg_avg_diff_bpm1X_slope vs Slug, Sign Corrected
50
0
−50
−100
−150
−200
−250
100
110
120
130
140
150
160
170
180
190
Right In: -126.549+/-0.851 χ²/NDF: 3285.1/16
Left Out: -96.026+/-0.635 χ²/NDF:2770.9/23
Right Out: -127.733+/-0.699 χ²/NDF: 5207.9/19
Left In: -97.713+/-0.639 χ²/NDF:2640.9/22
Left: -96.865+/-0.450 χ²/NDF: 5415.3/46
Right: -127.256+/-0.540 χ²/NDF: 8494.1/36
In: -108.095+/-0.511 χ²/NDF:6660.2/39
Out: -110.366+/-0.470 χ²/NDF:9106.8/43
All: -109.325+/-0.346 χ²/NDF: 15777.7/83


reg_asym_us_avg_at1lr_avg_avg_diff_bpm4aY_slope vs Slug, Sign Corrected
80
60
40
20
0
−20
−40
−60
100
110
120
130
140
150
160
170
180
190
Right In: 28.378+/-0.873 χ²/NDF: 709.1/16
Left Out: 9.438+/-0.478 χ²/NDF:736.4/23
Right Out: 24.778+/-0.766 χ²/NDF: 609.0/19
Left In: 9.864+/-0.487 χ²/NDF:485.4/22
Left: 9.648+/-0.341 χ²/NDF: 1222.1/46
Right: 26.344+/-0.576 χ²/NDF: 1327.8/36
In: 14.254+/-0.425 χ²/NDF:1537.7/39
Out: 13.737+/-0.405 χ²/NDF:1634.1/43
All: 13.983+/-0.293 χ²/NDF: 3172.6/83


reg_asym_us_avg_at1lr_avg_avg_diff_bpm4eX_slope vs Slug, Sign Corrected
250
200
150
100
50
0
−50
100
110
120
130
140
150
160
170
180
190
Right In: 141.992+/-0.921 χ²/NDF: 5714.1/16
Left Out: 84.759+/-0.629 χ²/NDF:3110.5/23
Right Out: 130.444+/-0.681 χ²/NDF: 9273.3/19
Left In: 86.300+/-0.632 χ²/NDF:3152.8/22
Left: 85.526+/-0.446 χ²/NDF: 6266.2/46
Right: 134.524+/-0.547 χ²/NDF: 15089.1/36
In: 104.126+/-0.521 χ²/NDF:11353.8/39
Out: 105.809+/-0.462 χ²/NDF:14813.4/43
All: 105.068+/-0.346 χ²/NDF: 26173.0/83



Right In: -28.218+/-1.011 χ^2/NDF: 791.3/16

Left Out: 3.151+/-0.544 χ^2/NDF:813.9/23

Right Out: -25.469+/-0.932 χ^2/NDF: 858.3/19

Left In: 2.050+/-0.551 χ^2/NDF:850.8/22

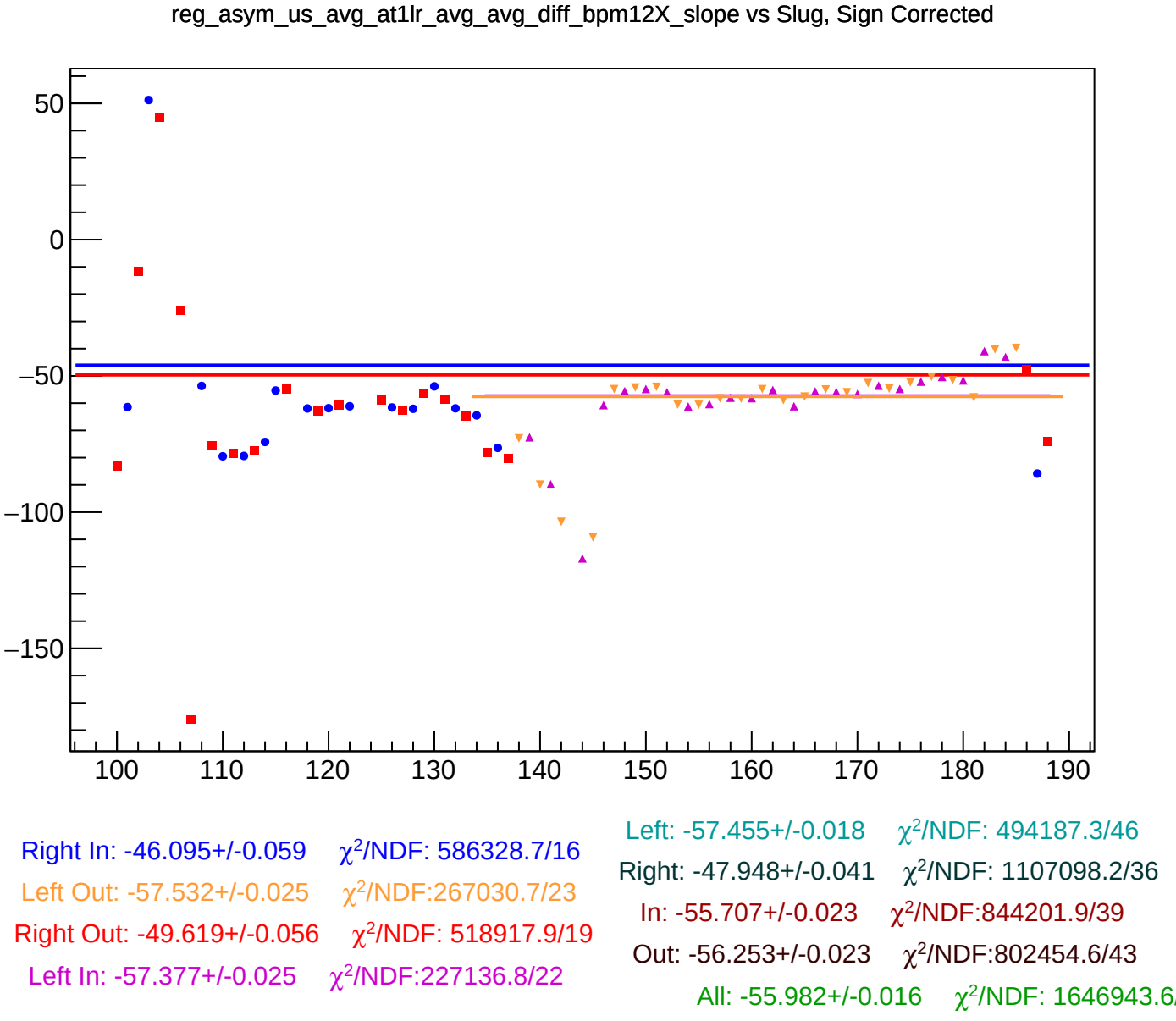
Left: 2.608+/-0.387 χ^2/NDF: 1666.7/46

Right: -26.733+/-0.685 χ^2/NDF: 1653.6/36

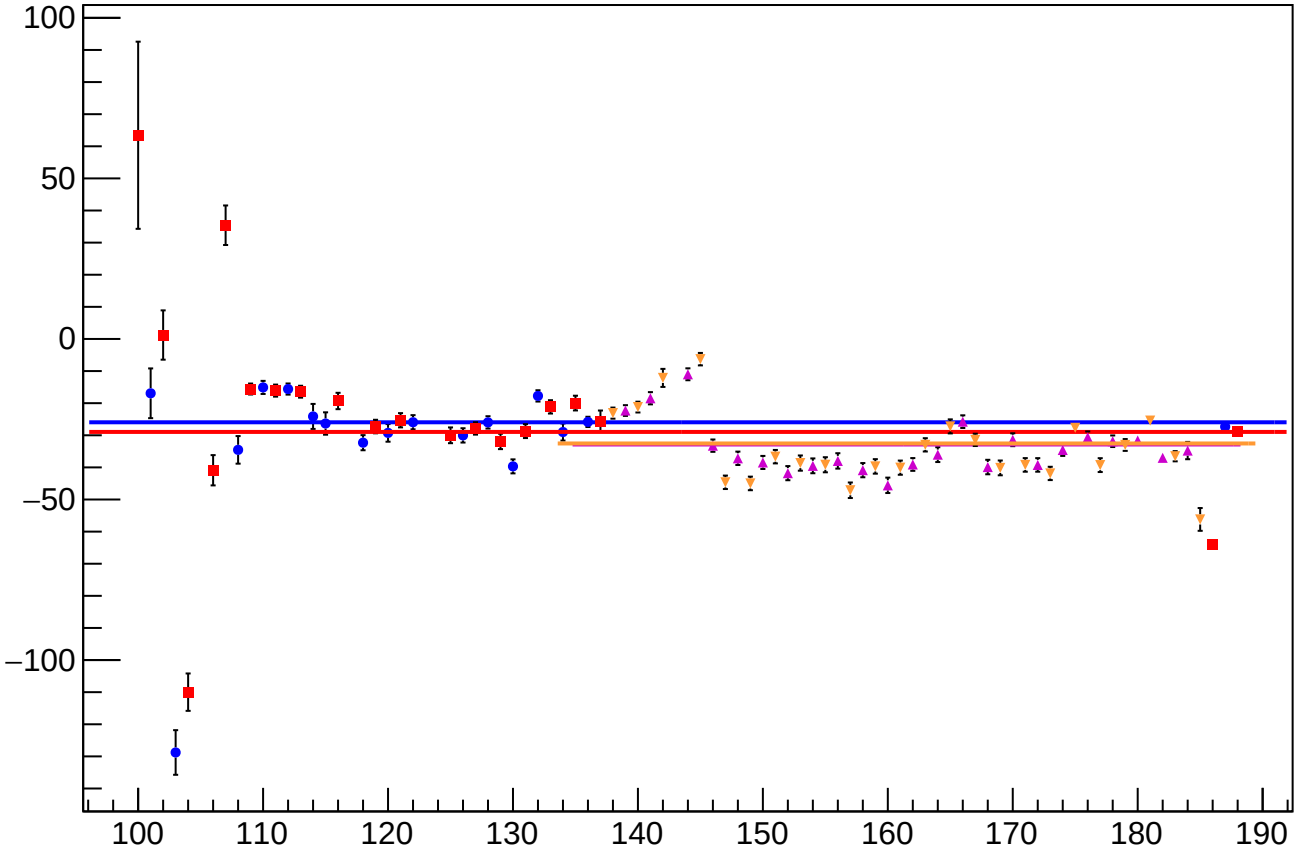
In: -4.881+/-0.484 χ^2/NDF:2333.0/39

Out: -4.112+/-0.470 χ^2/NDF:2375.3/43

All: -4.485+/-0.337 χ^2/NDF: 4709.6/83


reg_asym_us_avg_at1lr_avg_avg_diff_bpm12X_slope vs Slug, Sign Corrected
50
0
−50
−100
−150
100
110
120
130
140
150
160
170
180
190
Right In: -46.095+/-0.059 χ²/NDF: 586328.7/16
Left Out: -57.532+/-0.025 χ²/NDF:267030.7/23
Right Out: -49.619+/-0.056 χ²/NDF: 518917.9/19
Left In: -57.377+/-0.025 χ²/NDF:227136.8/22
Left: -57.455+/-0.018 χ²/NDF: 494187.3/46
Right: -47.948+/-0.041 χ²/NDF: 1107098.2/36
In: -55.707+/-0.023 χ²/NDF:844201.9/39
Out: -56.253+/-0.023 χ²/NDF:802454.6/43
All: -55.982+/-0.016 χ²/NDF: 1646943.6/83

reg_asym_us_avg_at1lr_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -25.954+/-0.546 χ^2/NDF: 364.1/16

Left Out: -32.549+/-0.407 χ^2/NDF:603.6/23

Right Out: -28.953+/-0.454 χ^2/NDF: 1149.3/19

Left In: -32.867+/-0.411 χ^2/NDF:373.2/22

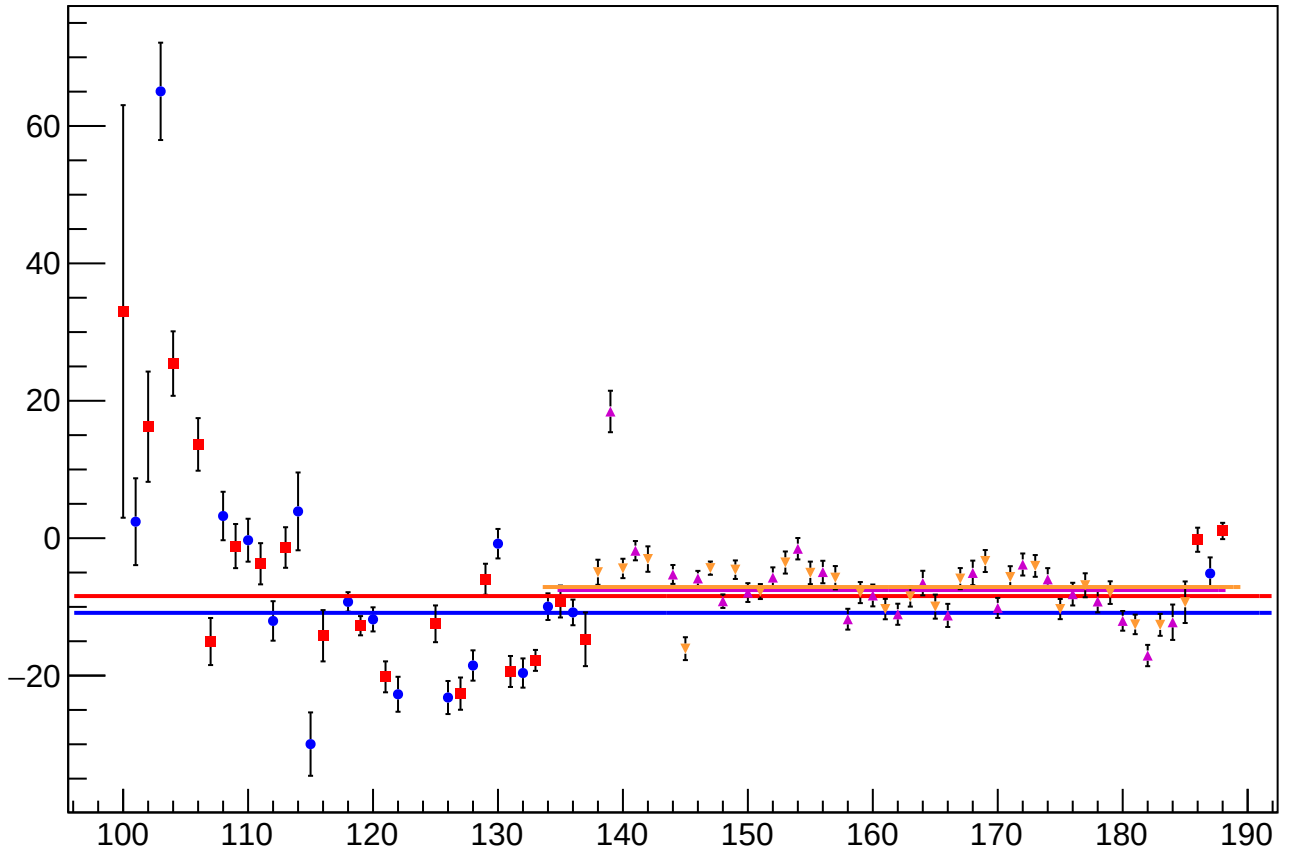
Left: -32.706+/-0.289 χ^2/NDF: 977.1/46

Right: -27.725+/-0.349 χ^2/NDF: 1531.2/36

In: -30.362+/-0.328 χ^2/NDF:839.7/39

Out: -30.950+/-0.303 χ^2/NDF:1787.7/43

All: -30.680+/-0.223 χ^2/NDF: 2629.1/83



Right In: -10.869+/-0.581 χ^2/NDF: 277.5/16

Left Out: -7.110+/-0.309 χ^2/NDF:109.5/23

Right Out: -8.425+/-0.516 χ^2/NDF: 342.8/19

Left In: -7.547+/-0.315 χ^2/NDF:199.7/22

Left: -7.324+/-0.221 χ^2/NDF: 310.2/46

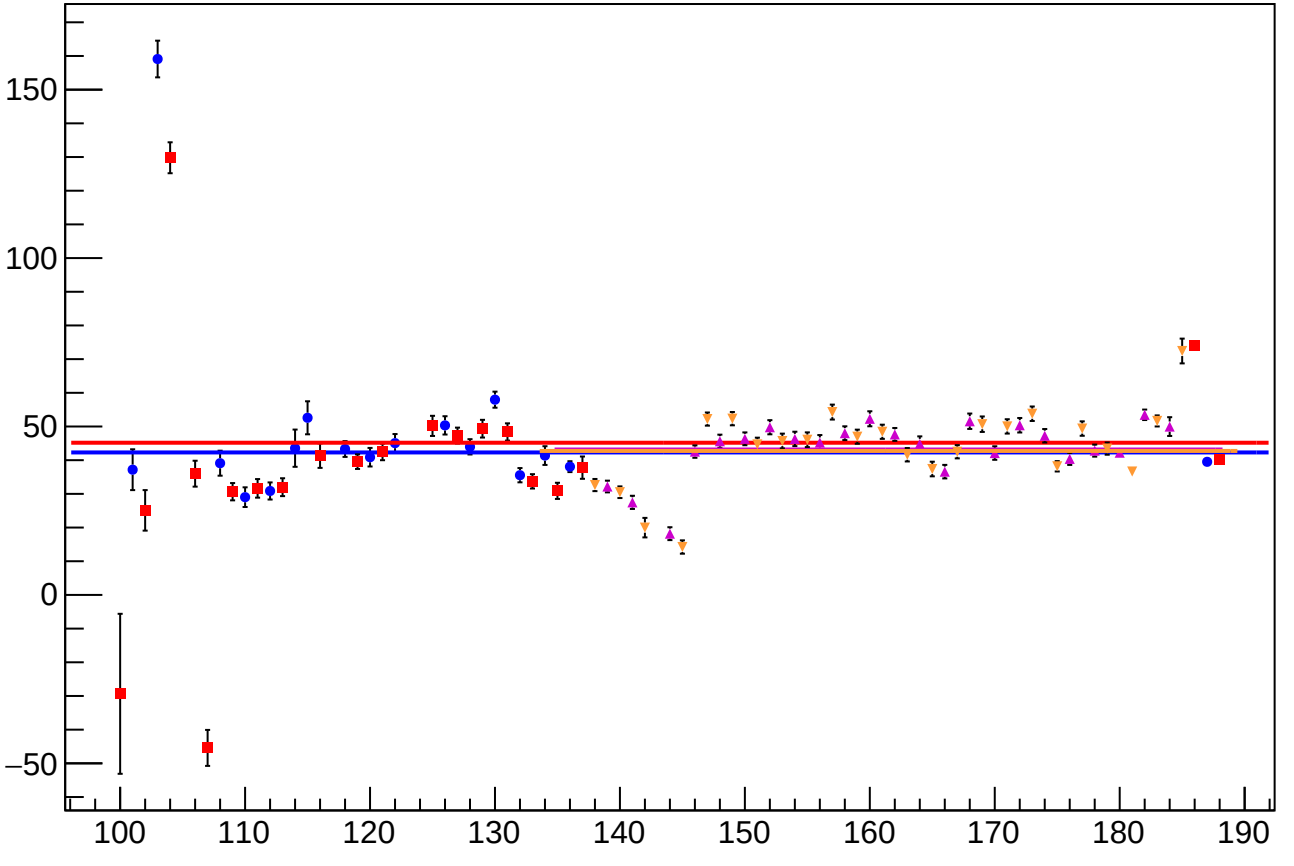
Right: -9.503+/-0.386 χ^2/NDF: 630.1/36

In: -8.301+/-0.277 χ^2/NDF:502.5/39

Out: -7.457+/-0.265 χ^2/NDF:457.0/43

All: -7.861+/-0.192 χ^2/NDF: 964.4/83

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 42.298+/-0.587 χ^2/NDF: 583.4/16

Left Out: 42.745+/-0.403 χ^2/NDF:631.5/23

Right Out: 45.182+/-0.444 χ^2/NDF: 1530.6/19

Left In: 43.169+/-0.407 χ^2/NDF:413.0/22

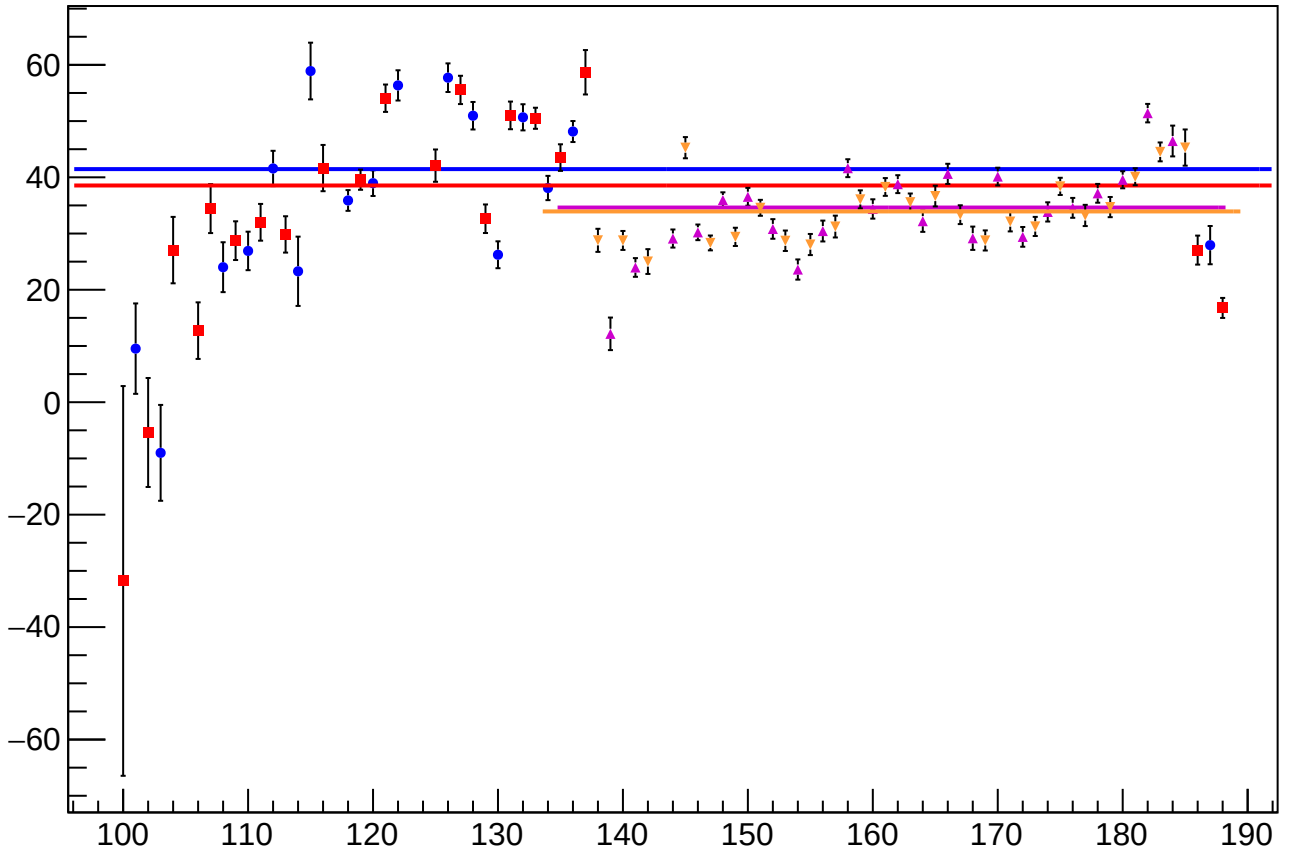
Left: 42.955+/-0.287 χ^2/NDF: 1045.1/46

Right: 44.134+/-0.354 χ^2/NDF: 2129.4/36

In: 42.886+/-0.335 χ^2/NDF:997.9/39

Out: 43.847+/-0.298 χ^2/NDF:2178.6/43

All: 43.421+/-0.223 χ^2/NDF: 3181.2/83



Right In: 41.460+/-0.670 χ^2/NDF: 289.2/16

Left Out: 33.930+/-0.351 χ^2/NDF:216.5/23

Right Out: 38.546+/-0.628 χ^2/NDF: 435.4/19

Left In: 34.623+/-0.356 χ^2/NDF:376.1/22

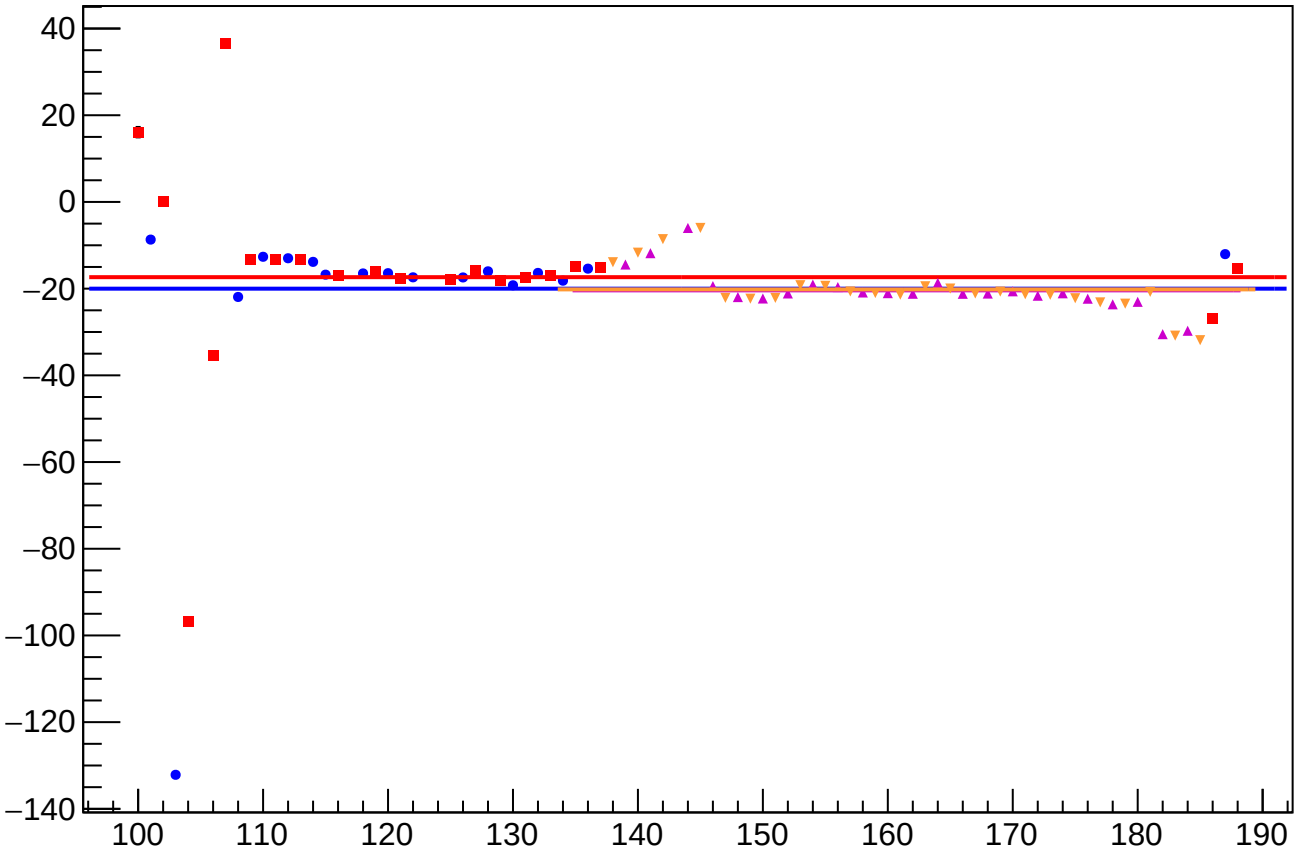
Left: 34.271+/-0.250 χ^2/NDF: 594.5/46

Right: 39.907+/-0.458 χ^2/NDF: 734.7/36

In: 36.129+/-0.315 χ^2/NDF:746.3/39

Out: 35.028+/-0.306 χ^2/NDF:693.2/43

All: 35.564+/-0.219 χ^2/NDF: 1445.8/83



Right In: -20.007+/-0.041 χ^2/NDF: 247508.8/16

Left Out: -20.174+/-0.016 χ^2/NDF:99947.2/23

Right Out: -17.353+/-0.039 χ^2/NDF: 207709.5/19

Left In: -20.396+/-0.016 χ^2/NDF:81154.4/22

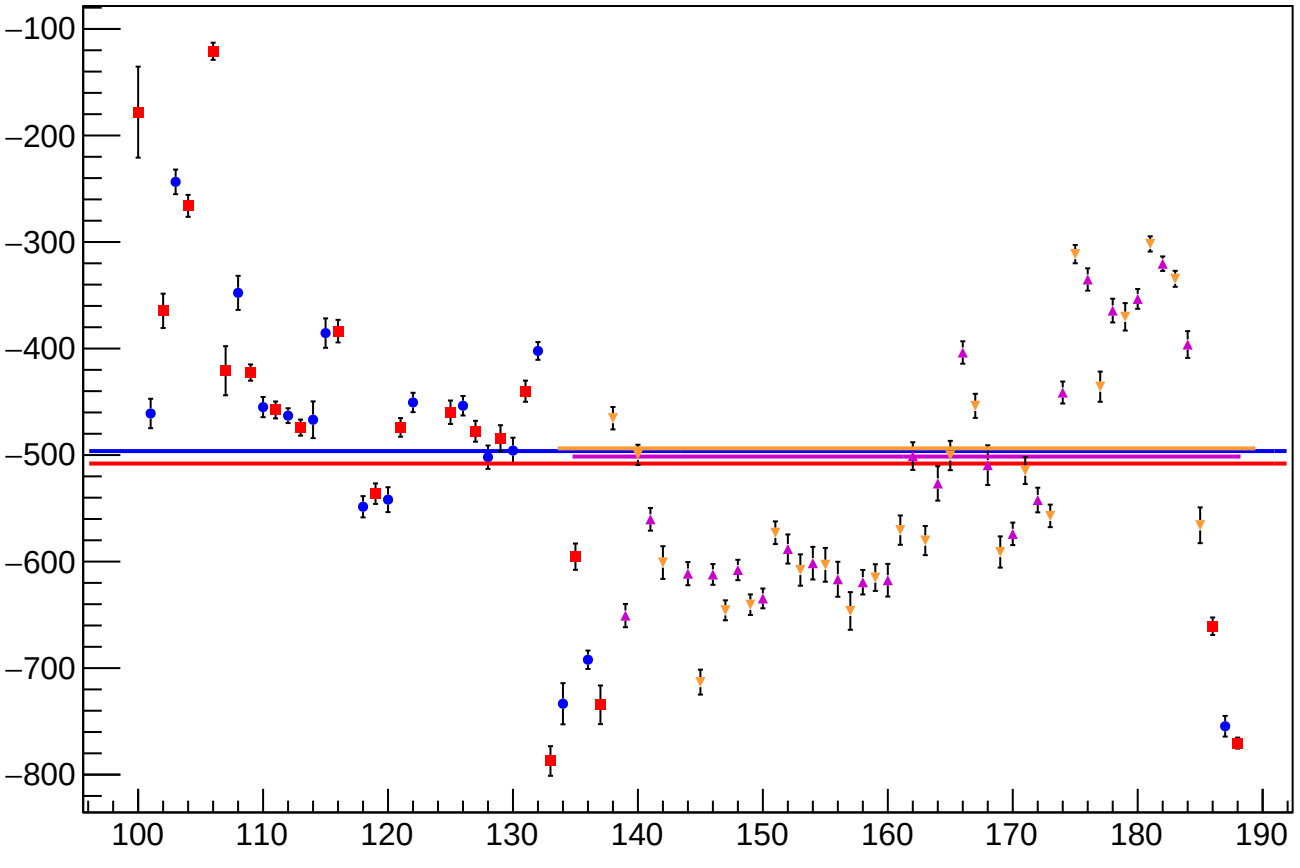
Left: -20.285+/-0.011 χ^2/NDF: 181200.8/46

Right: -18.618+/-0.028 χ^2/NDF: 457421.2/36

In: -20.345+/-0.015 χ^2/NDF:328742.0/39

Out: -19.778+/-0.015 χ^2/NDF:312143.6/43

All: -20.060+/-0.010 χ^2/NDF: 641633.2/83



Right In: -496.256+/-2.541 χ^2/NDF: 2270.8/16

Left Out: -493.722+/-2.295 χ^2/NDF:3150.0/23

Right Out: -507.962+/-2.146 χ^2/NDF: 6981.8/19

Left In: -501.425+/-2.306 χ^2/NDF:2689.3/22

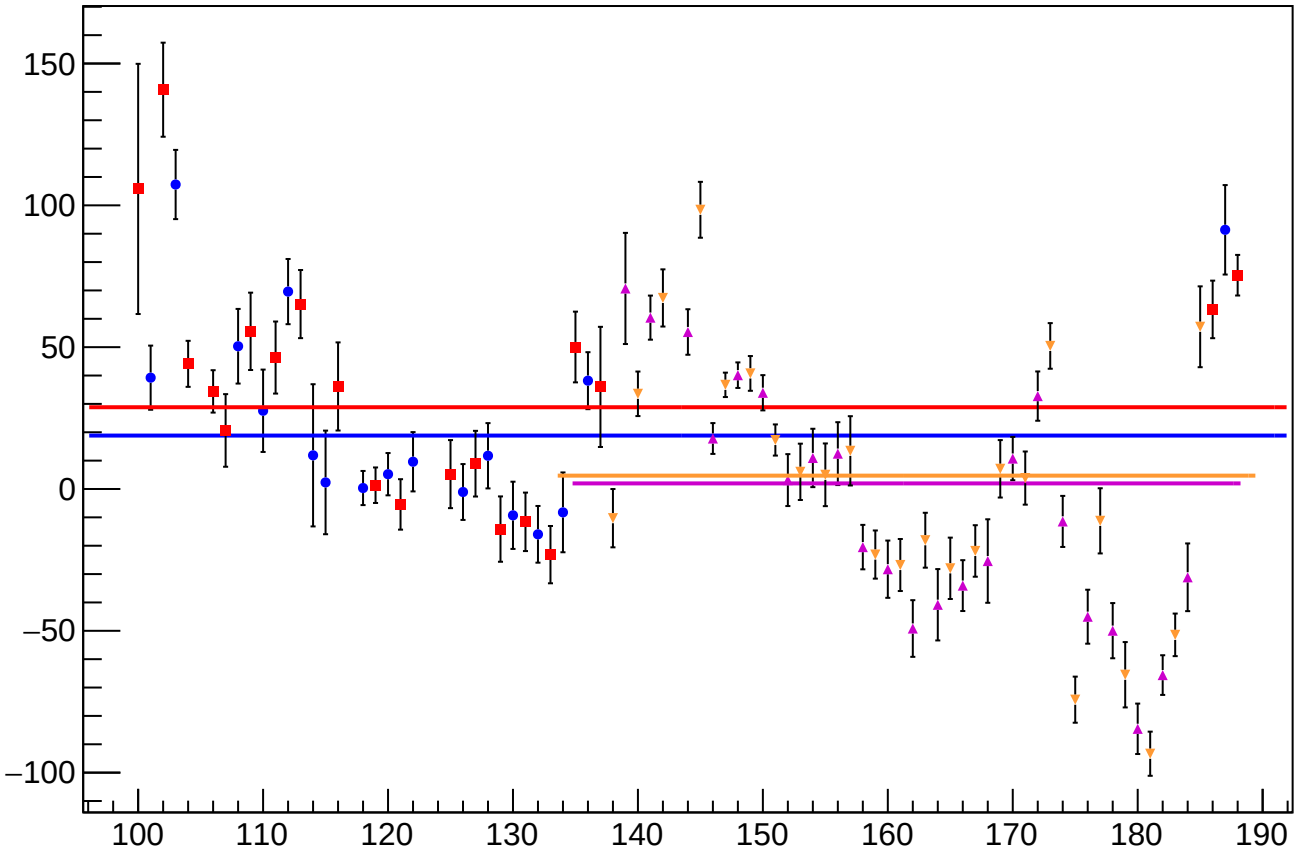
Left: -497.555+/-1.627 χ^2/NDF: 5844.9/46

Right: -503.089+/-1.640 χ^2/NDF: 9265.0/36

In: -499.091+/-1.708 χ^2/NDF:4962.4/39

Out: -501.318+/-1.568 χ^2/NDF:10152.3/43

All: -500.300+/-1.155 χ^2/NDF: 15115.6/83



Right In: 18.835+/-2.617 χ^2/NDF: 146.7/16

Left Out: 4.709+/-1.696 χ^2/NDF:680.3/23

Right Out: 28.823+/-2.336 χ^2/NDF: 221.8/19

Left In: 1.970+/-1.722 χ^2/NDF:560.8/22

Left: 3.360+/-1.208 χ^2/NDF: 1242.4/46

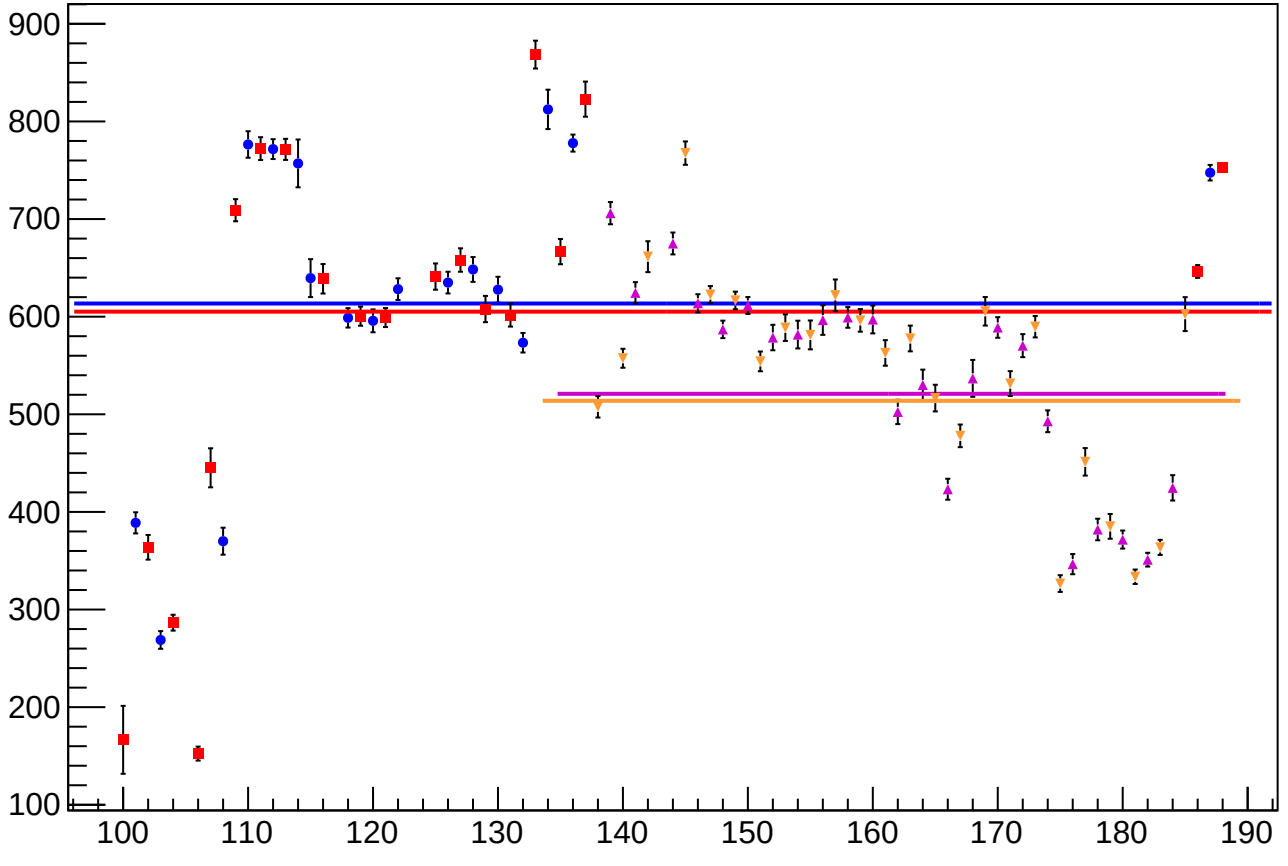
Right: 24.395+/-1.743 χ^2/NDF: 376.7/36

In: 7.064+/-1.439 χ^2/NDF:736.5/39

Out: 13.029+/-1.372 χ^2/NDF:971.9/43

All: 10.187+/-0.993 χ^2/NDF: 1717.4/83

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 613.493+/-2.750 χ^2/NDF: 3380.3/16

Left Out: 513.833+/-2.277 χ^2/NDF:2735.5/23

Right Out: 605.161+/-2.161 χ^2/NDF: 8491.6/19

Left In: 520.990+/-2.283 χ^2/NDF:2442.8/22

Left: 517.401+/-1.612 χ^2/NDF: 5183.2/46

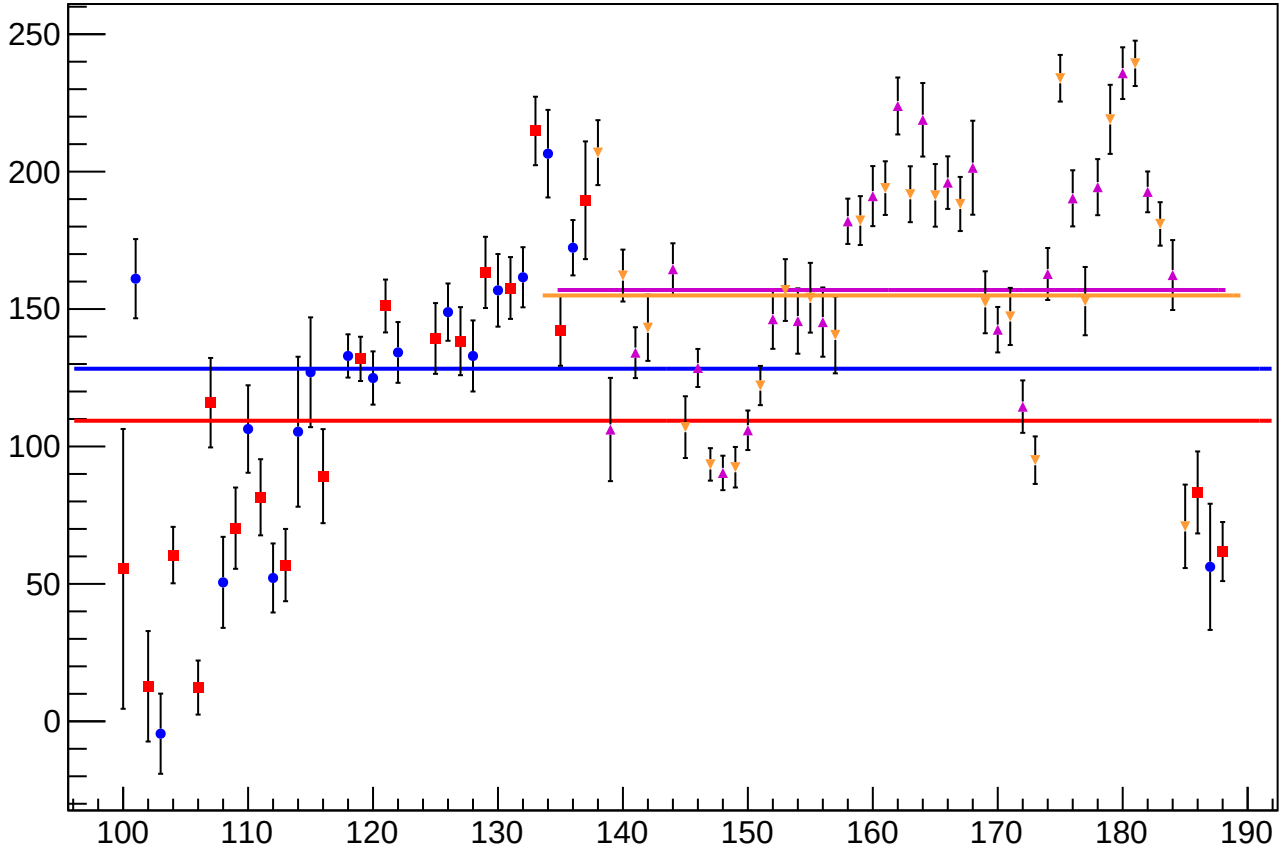
Right: 608.342+/-1.699 χ^2/NDF: 11877.6/36

In: 558.738+/-1.757 χ^2/NDF:6492.8/39

Out: 561.877+/-1.567 χ^2/NDF:12073.5/43

All: 560.486+/-1.170 χ^2/NDF: 18568.2/83

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 128.288+/-3.053 χ^2/NDF: 221.3/16

Left Out: 154.944+/-1.953 χ^2/NDF:609.0/23

Right Out: 109.360+/-2.817 χ^2/NDF: 361.1/19

Left In: 156.934+/-1.971 χ^2/NDF:443.2/22

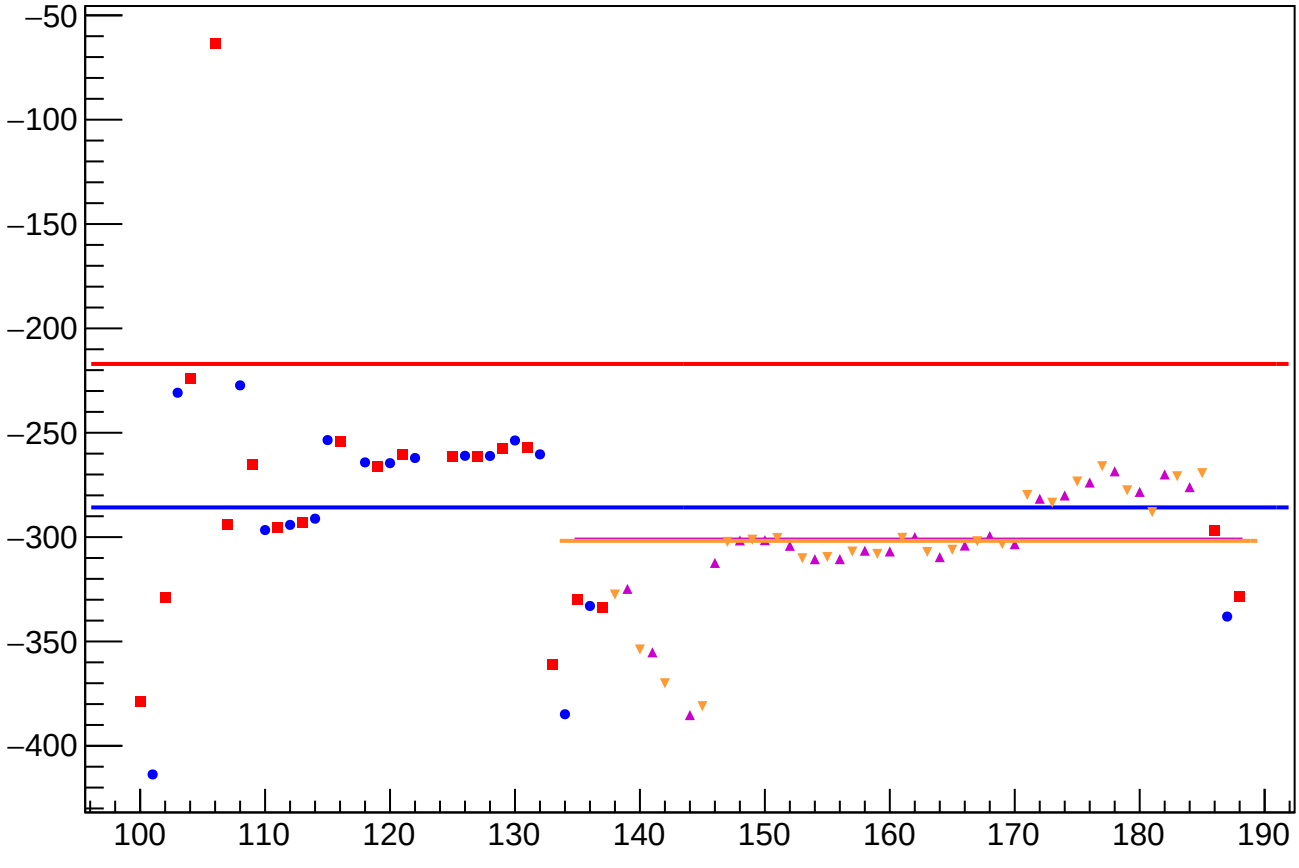
Left: 155.930+/-1.387 χ^2/NDF: 1052.7/46

Right: 118.062+/-2.070 χ^2/NDF: 603.1/36

In: 148.507+/-1.656 χ^2/NDF:726.6/39

Out: 140.143+/-1.605 χ^2/NDF:1146.9/43

All: 144.194+/-1.153 χ^2/NDF: 1886.7/83



Right In: -285.771+/-0.176 χ^2/NDF: 106072.2/16

Left Out: -301.785+/-0.091 χ^2/NDF:86719.4/23

Right Out: -217.037+/-0.143 χ^2/NDF: 584297.6/19

Left In: -301.176+/-0.090 χ^2/NDF:75325.3/22

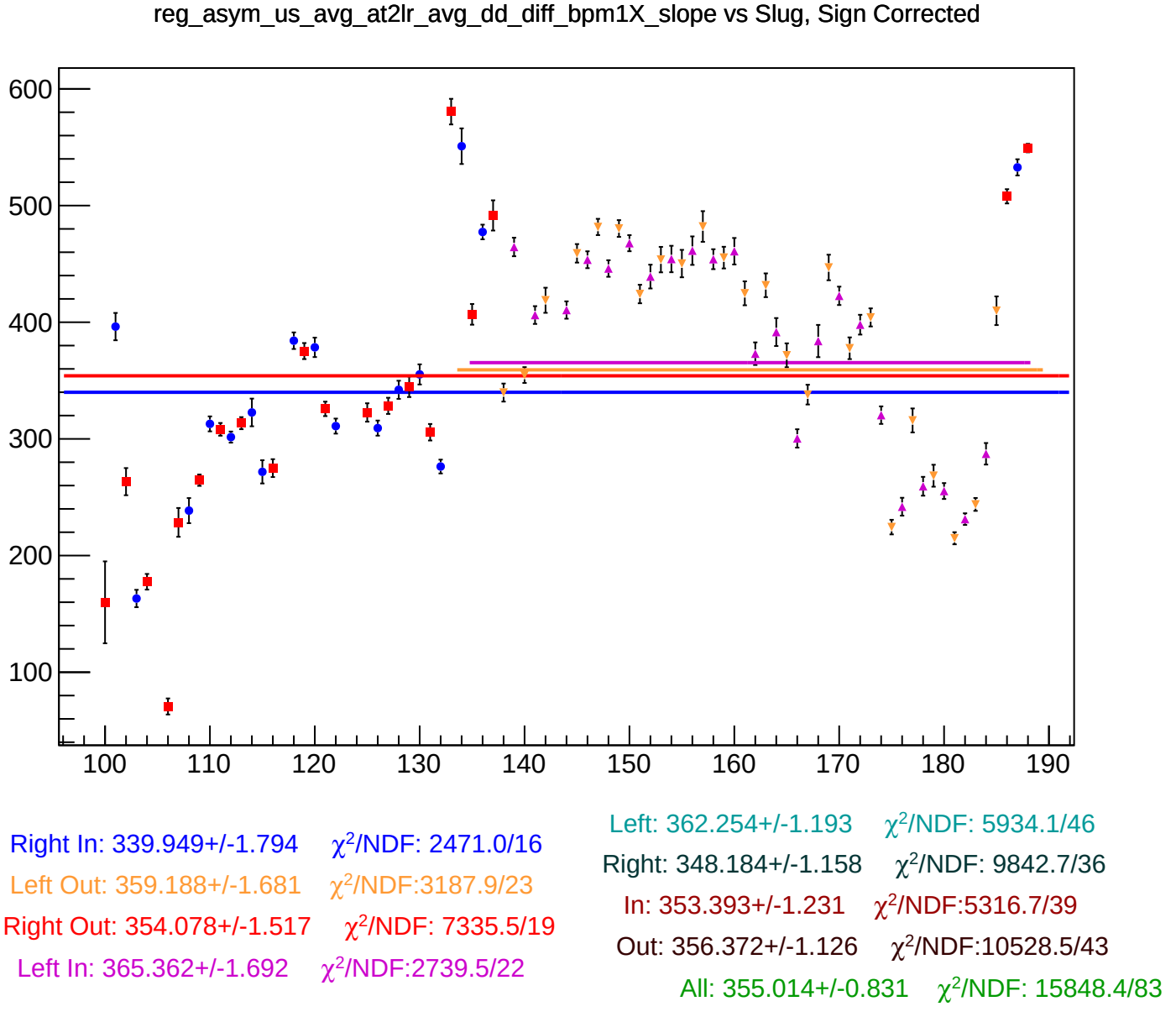
Left: -301.478+/-0.064 χ^2/NDF: 162067.4/46

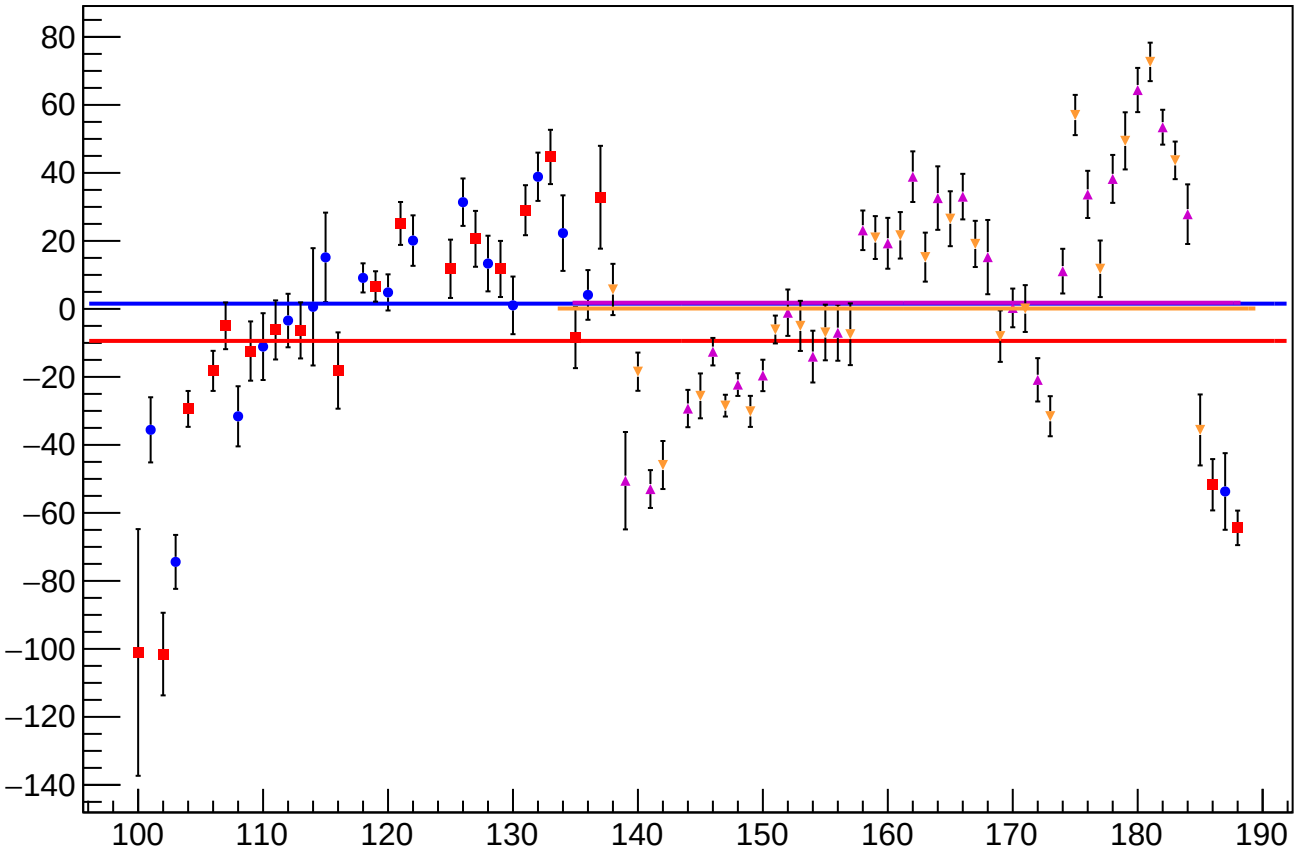
Right: -244.326+/-0.111 χ^2/NDF: 782473.1/36

In: -297.978+/-0.080 χ^2/NDF:187476.7/39

Out: -277.366+/-0.077 χ^2/NDF:922078.0/43

All: -287.208+/-0.055 χ^2/NDF: 1144124.2/83


reg_asym_us_avg_at2lr_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected
600
500
400
300
200
100
100
110
120
130
140
150
160
170
180
190
Right In: 339.949+/-1.794 χ²/NDF: 2471.0/16
Left Out: 359.188+/-1.681 χ²/NDF:3187.9/23
Right Out: 354.078+/-1.517 χ²/NDF: 7335.5/19
Left In: 365.362+/-1.692 χ²/NDF:2739.5/22
Left: 362.254+/-1.193 χ²/NDF: 5934.1/46
Right: 348.184+/-1.158 χ²/NDF: 9842.7/36
In: 353.393+/-1.231 χ²/NDF:5316.7/39
Out: 356.372+/-1.126 χ²/NDF:10528.5/43
All: 355.014+/-0.831 χ²/NDF: 15848.4/83



Right In: 1.544+/-1.866 χ^2/NDF: 209.2/16

Left Out: 0.114+/-1.247 χ^2/NDF:637.9/23

Right Out: -9.415+/-1.648 χ^2/NDF: 380.7/19

Left In: 1.812+/-1.267 χ^2/NDF:577.0/22

Left: 0.950+/-0.889 χ^2/NDF: 1215.9/46

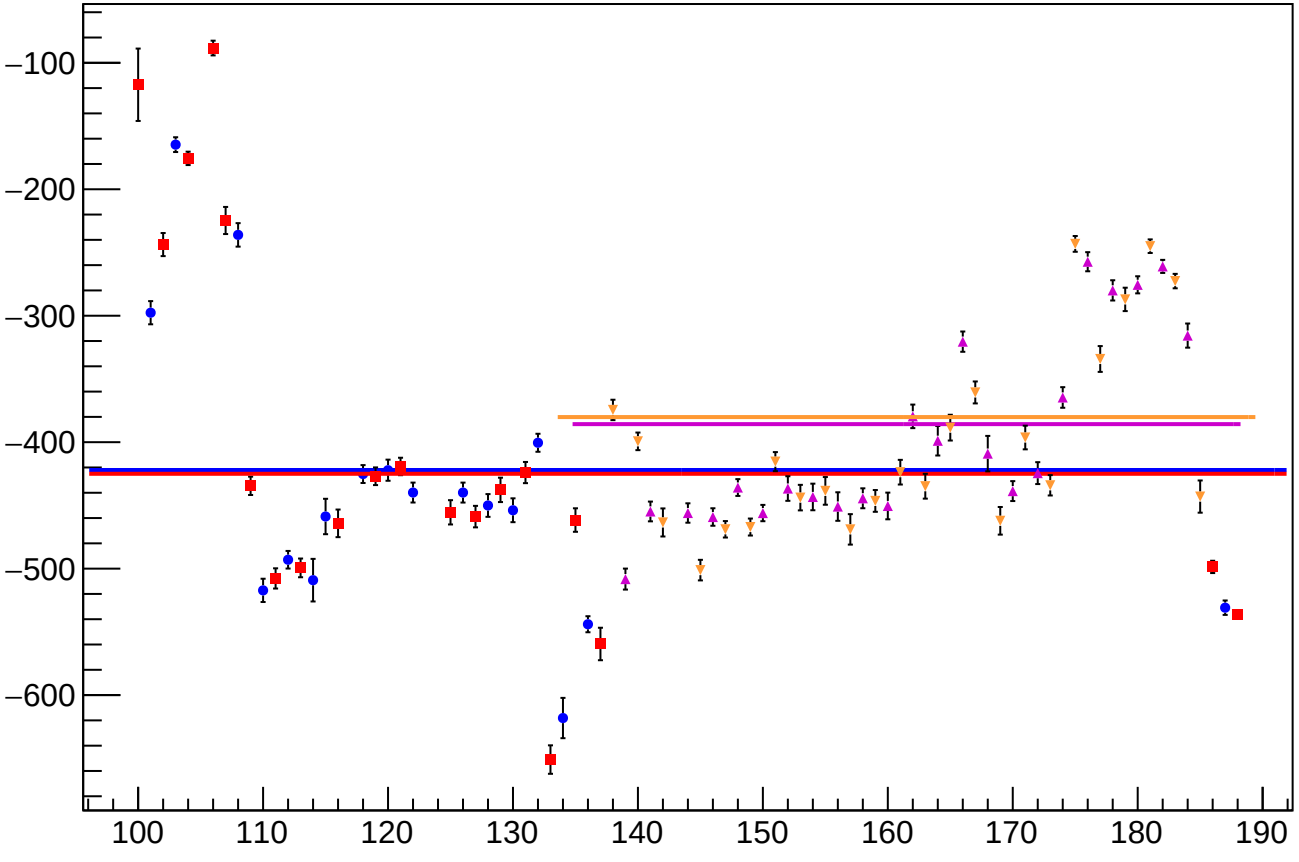
Right: -4.612+/-1.235 χ^2/NDF: 609.3/36

In: 1.727+/-1.048 χ^2/NDF:786.3/39

Out: -3.354+/-0.994 χ^2/NDF:1039.8/43

All: -0.947+/-0.721 χ^2/NDF: 1838.5/83

reg_asym_us_avg_at2lr_avg_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -421.997+/-1.949 χ^2/NDF: 3694.1/16

Left Out: -380.144+/-1.670 χ^2/NDF:2618.6/23

Right Out: -424.998+/-1.536 χ^2/NDF: 8871.2/19

Left In: -385.725+/-1.677 χ^2/NDF:2361.2/22

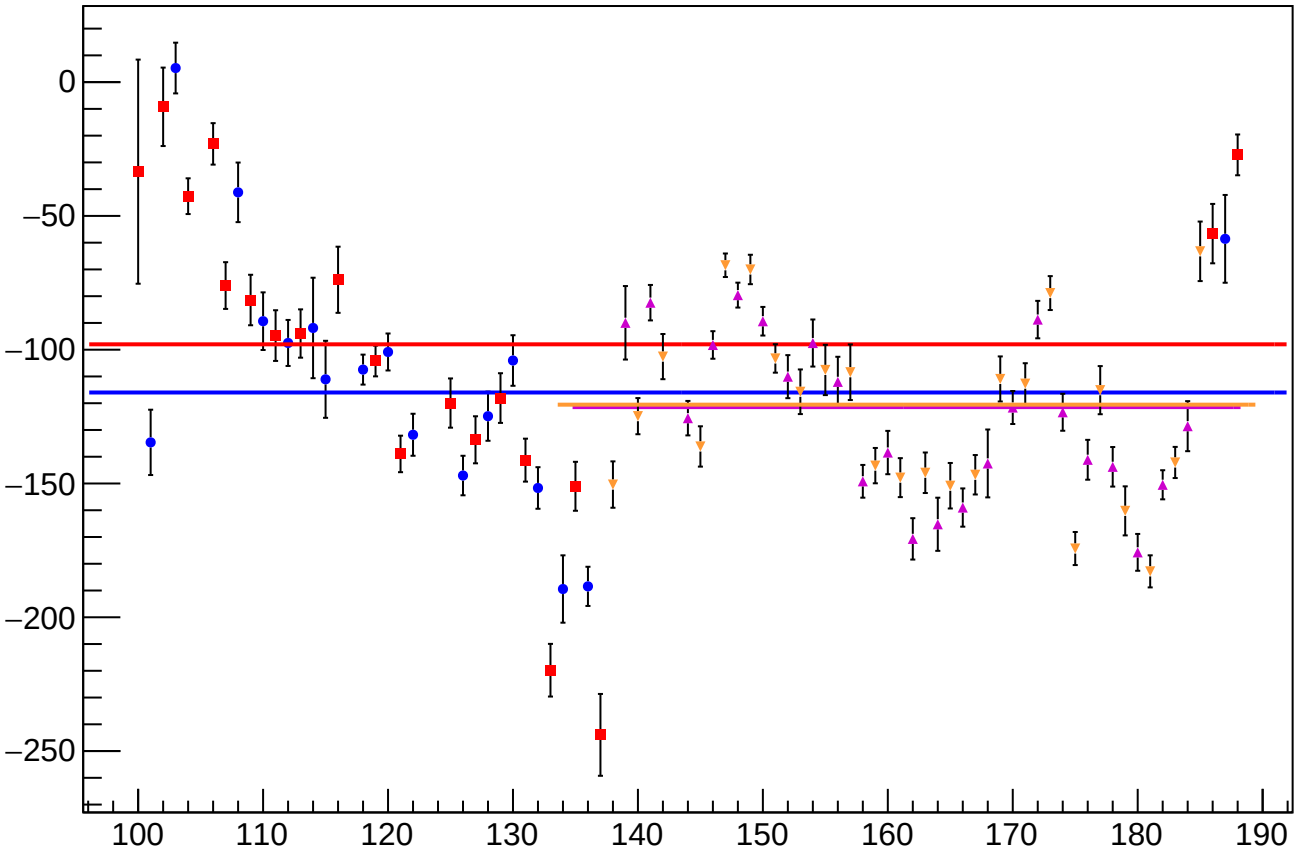
Left: -382.922+/-1.183 χ^2/NDF: 4985.4/46

Right: -423.848+/-1.206 χ^2/NDF: 12566.7/36

In: -401.157+/-1.271 χ^2/NDF:6254.4/39

Out: -404.433+/-1.131 χ^2/NDF:11880.6/43

All: -402.986+/-0.845 χ^2/NDF: 18138.7/83



Right In: -115.994+/-2.175 χ^2/NDF: 420.3/16

Left Out: -120.541+/-1.435 χ^2/NDF:611.5/23

Right Out: -97.989+/-1.984 χ^2/NDF: 685.7/19

Left In: -121.453+/-1.450 χ^2/NDF:432.6/22

Left: -120.992+/-1.020 χ^2/NDF: 1044.3/46

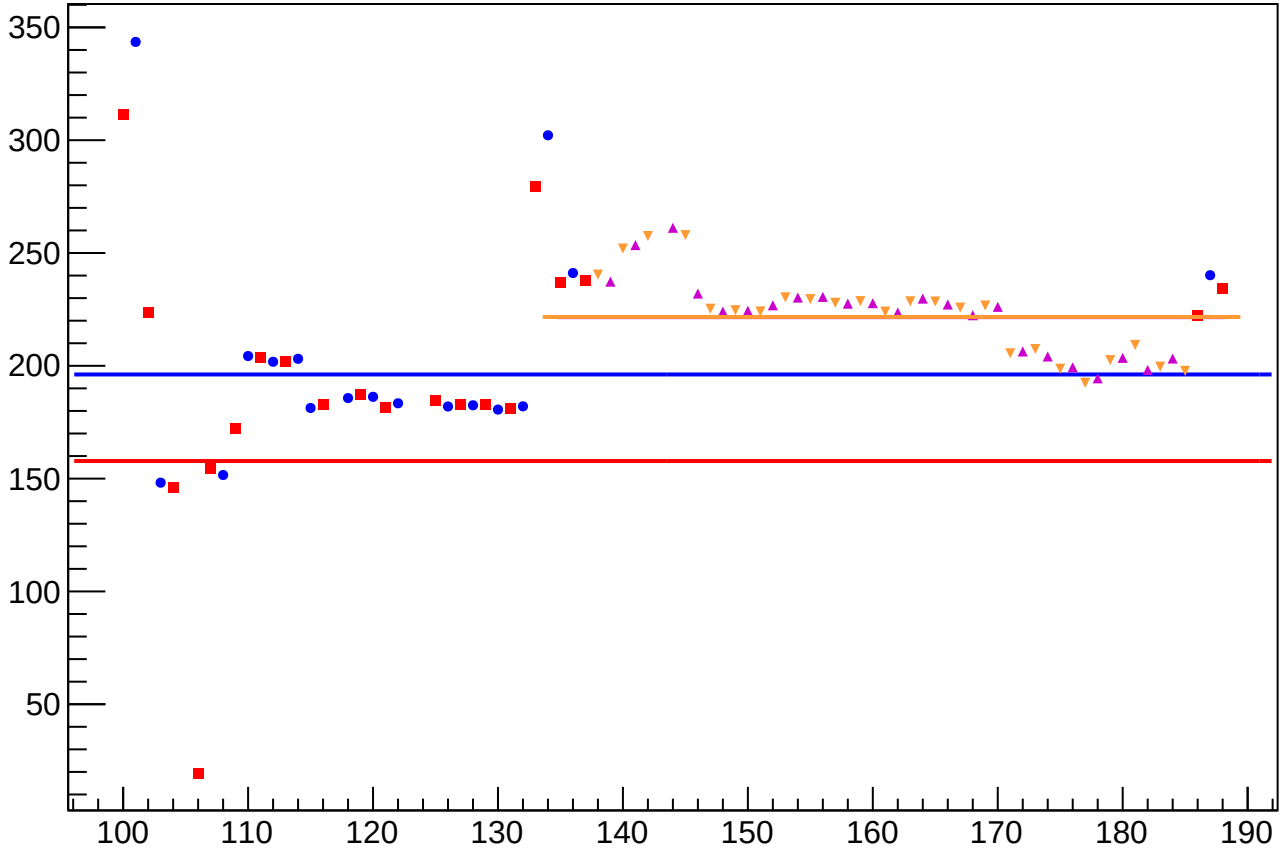
Right: -106.166+/-1.466 χ^2/NDF: 1143.4/36

In: -119.774+/-1.206 χ^2/NDF:857.3/39

Out: -112.793+/-1.163 χ^2/NDF:1382.1/43

All: -116.155+/-0.837 χ^2/NDF: 2256.7/83

reg_asym_us_avg_at2lr_avg_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 196.169+/-0.123 χ^2/NDF: 179333.4/16

Left Out: 221.652+/-0.067 χ^2/NDF:67213.0/23

Right Out: 157.803+/-0.105 χ^2/NDF: 545253.3/19

Left In: 221.574+/-0.066 χ^2/NDF:62122.0/22

Left: 221.612+/-0.047 χ^2/NDF: 129335.7/46

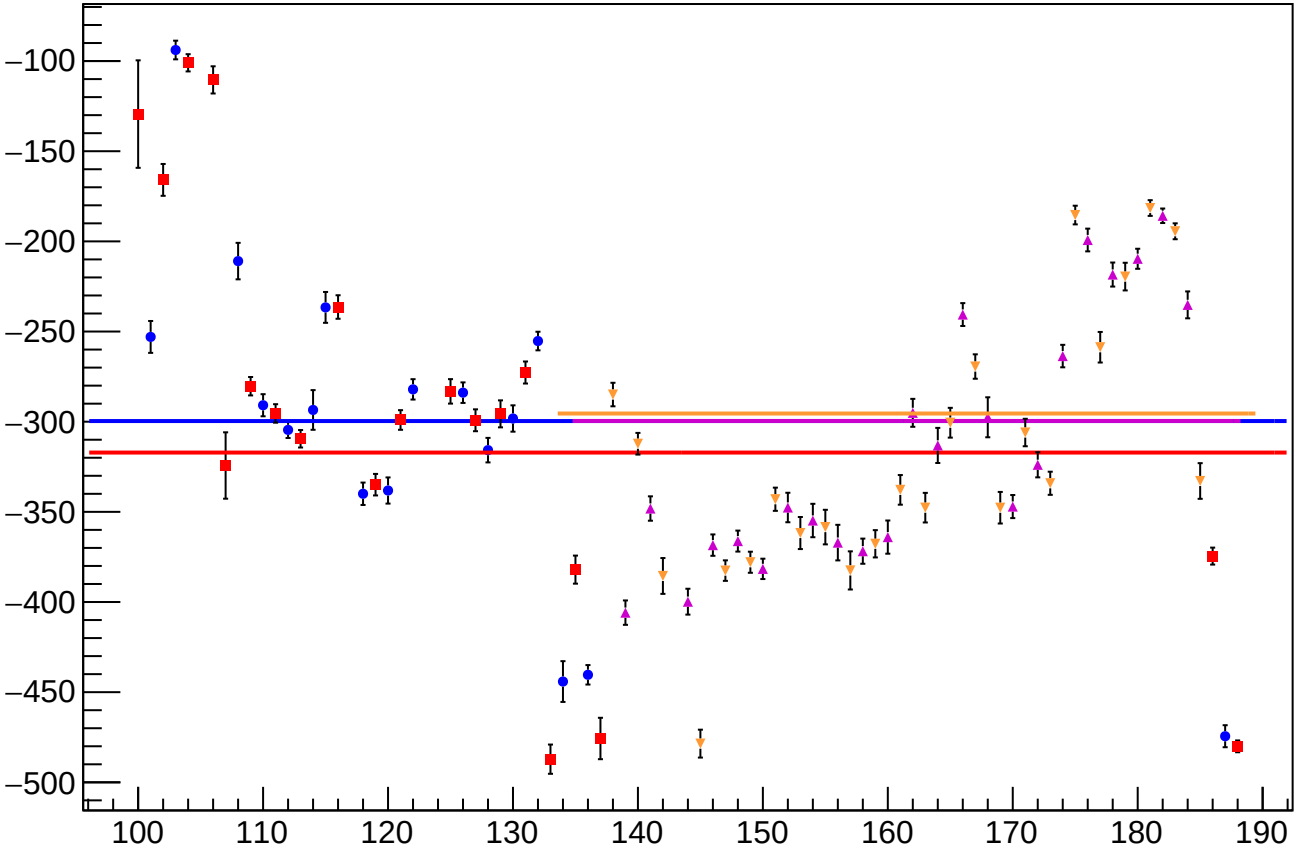
Right: 173.971+/-0.080 χ^2/NDF: 780432.9/36

In: 215.901+/-0.058 χ^2/NDF:274329.7/39

Out: 203.401+/-0.056 χ^2/NDF:874576.4/43

All: 209.432+/-0.041 χ^2/NDF: 1172652.0/83

reg_asym_us_avg_atlr_avg_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -299.644+/-1.558 χ^2/NDF: 3572.8/16

Left Out: -295.464+/-1.393 χ^2/NDF:3346.3/23

Right Out: -317.116+/-1.344 χ^2/NDF: 6787.7/19

Left In: -299.588+/-1.397 χ^2/NDF:2971.7/22

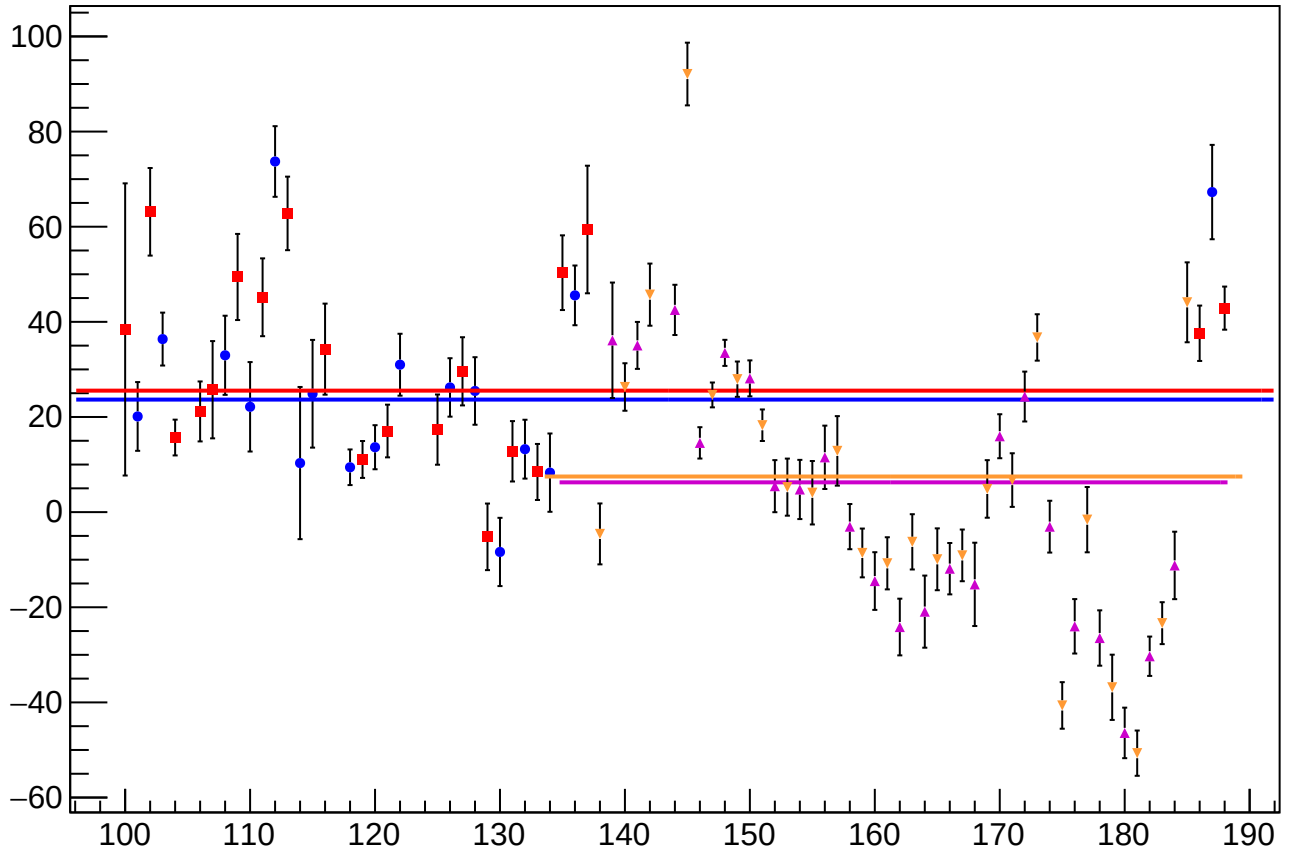
Left: -297.520+/-0.986 χ^2/NDF: 6322.4/46

Right: -309.661+/-1.018 χ^2/NDF: 10432.6/36

In: -299.613+/-1.040 χ^2/NDF:6544.5/39

Out: -306.676+/-0.967 χ^2/NDF:10259.2/43

All: -303.401+/-0.708 χ^2/NDF: 16828.4/83



Right In: 23.657+/-1.600 χ^2/NDF: 131.3/16

Left Out: 7.486+/-1.030 χ^2/NDF:738.5/23

Right Out: 25.539+/-1.437 χ^2/NDF: 145.8/19

Left In: 6.259+/-1.045 χ^2/NDF:559.4/22

Left: 6.881+/-0.733 χ^2/NDF: 1298.6/46

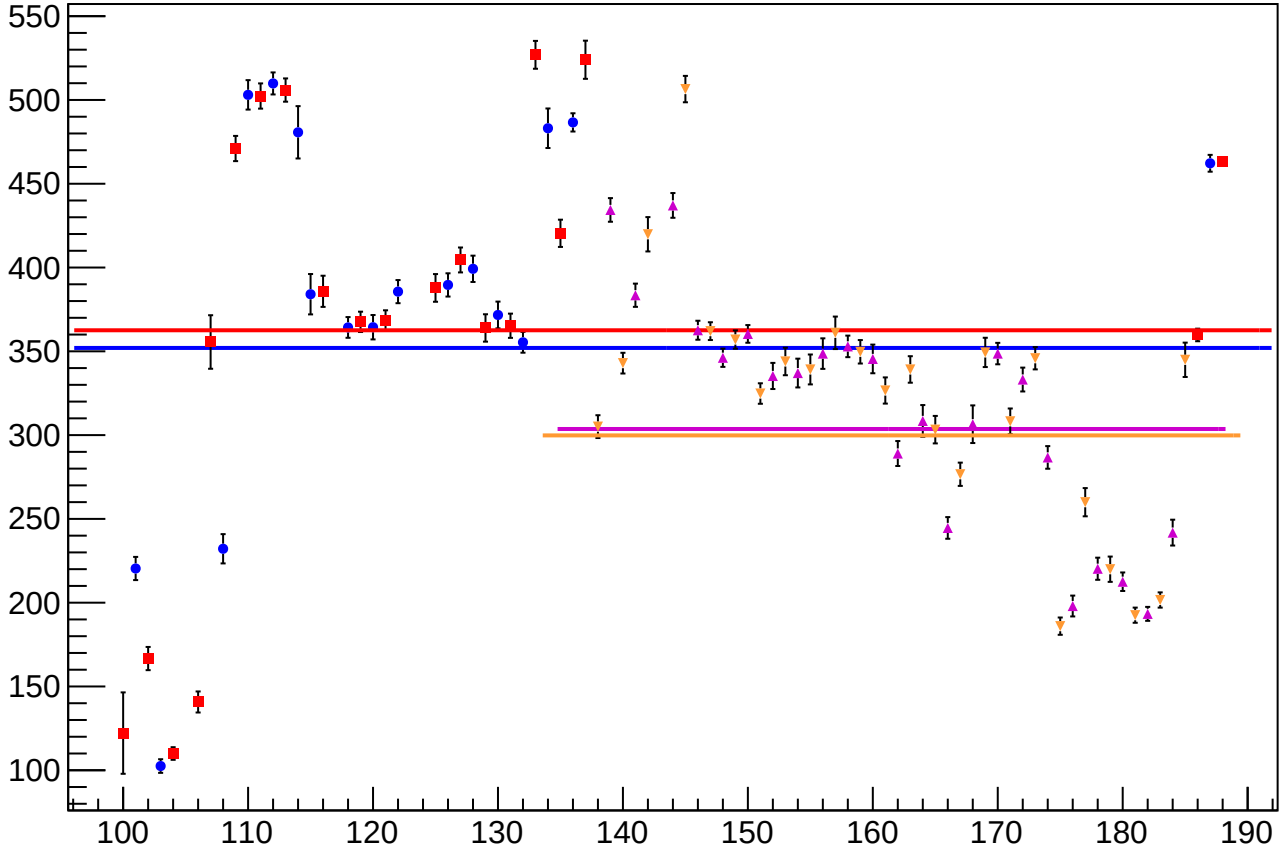
Right: 24.698+/-1.069 χ^2/NDF: 277.9/36

In: 11.463+/-0.875 χ^2/NDF:773.6/39

Out: 13.607+/-0.837 χ^2/NDF:988.6/43

All: 12.583+/-0.605 χ^2/NDF: 1765.3/83

reg_asym_us_avg_atlr_avg_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 352.018+/-1.651 χ^2/NDF: 6583.8/16

Left Out: 299.825+/-1.381 χ^2/NDF:3076.1/23

Right Out: 362.558+/-1.332 χ^2/NDF: 9770.4/19

Left In: 303.652+/-1.383 χ^2/NDF:2872.6/22

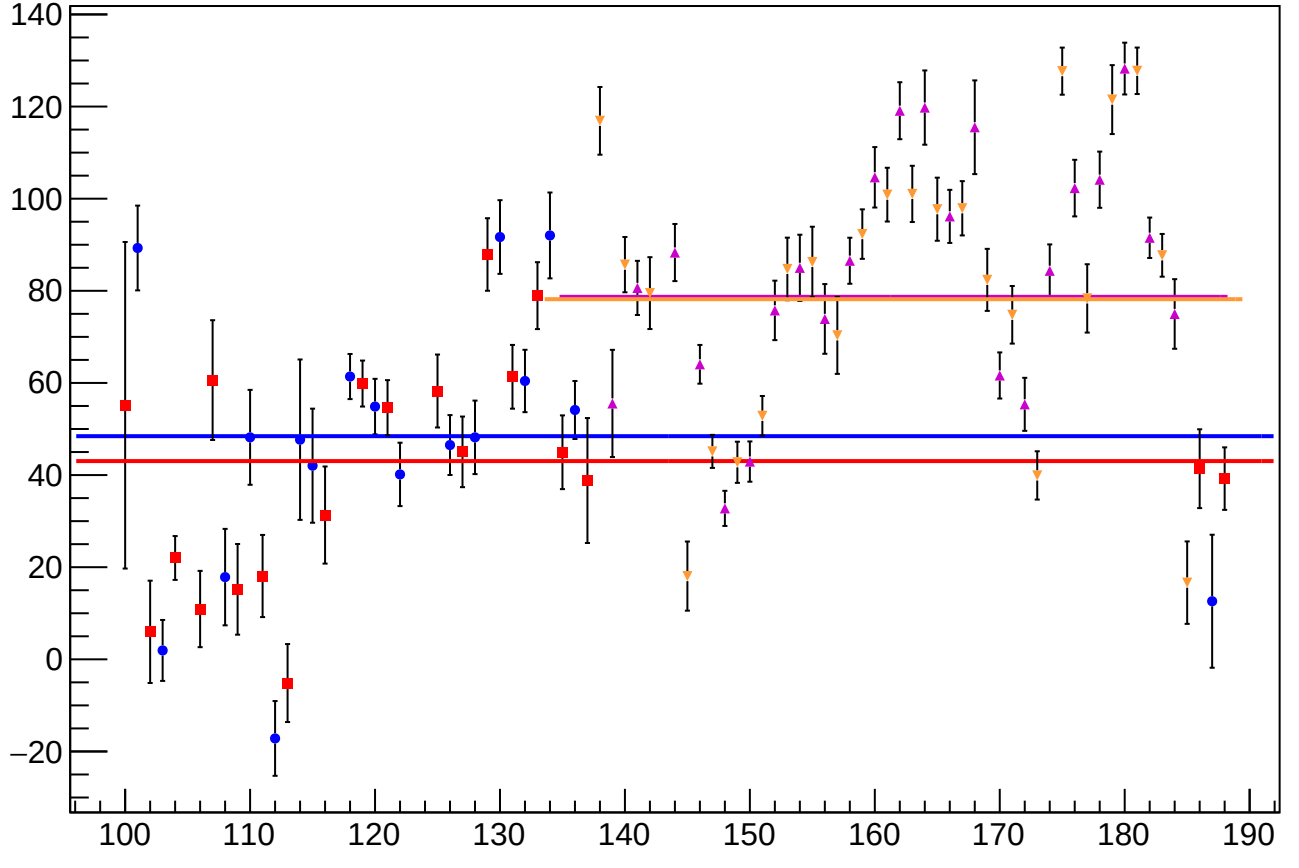
Left: 301.736+/-0.977 χ^2/NDF: 5952.5/46

Right: 358.401+/-1.037 χ^2/NDF: 16379.0/36

In: 323.591+/-1.060 χ^2/NDF:9960.9/39

Out: 332.318+/-0.959 χ^2/NDF:13915.3/43

All: 328.390+/-0.711 χ^2/NDF: 23913.5/83



Right In: 48.444+/-1.867 χ^2/NDF: 214.2/16

Left Out: 78.181+/-1.185 χ^2/NDF:663.3/23

Right Out: 43.038+/-1.734 χ^2/NDF: 180.4/19

Left In: 78.689+/-1.195 χ^2/NDF:488.6/22

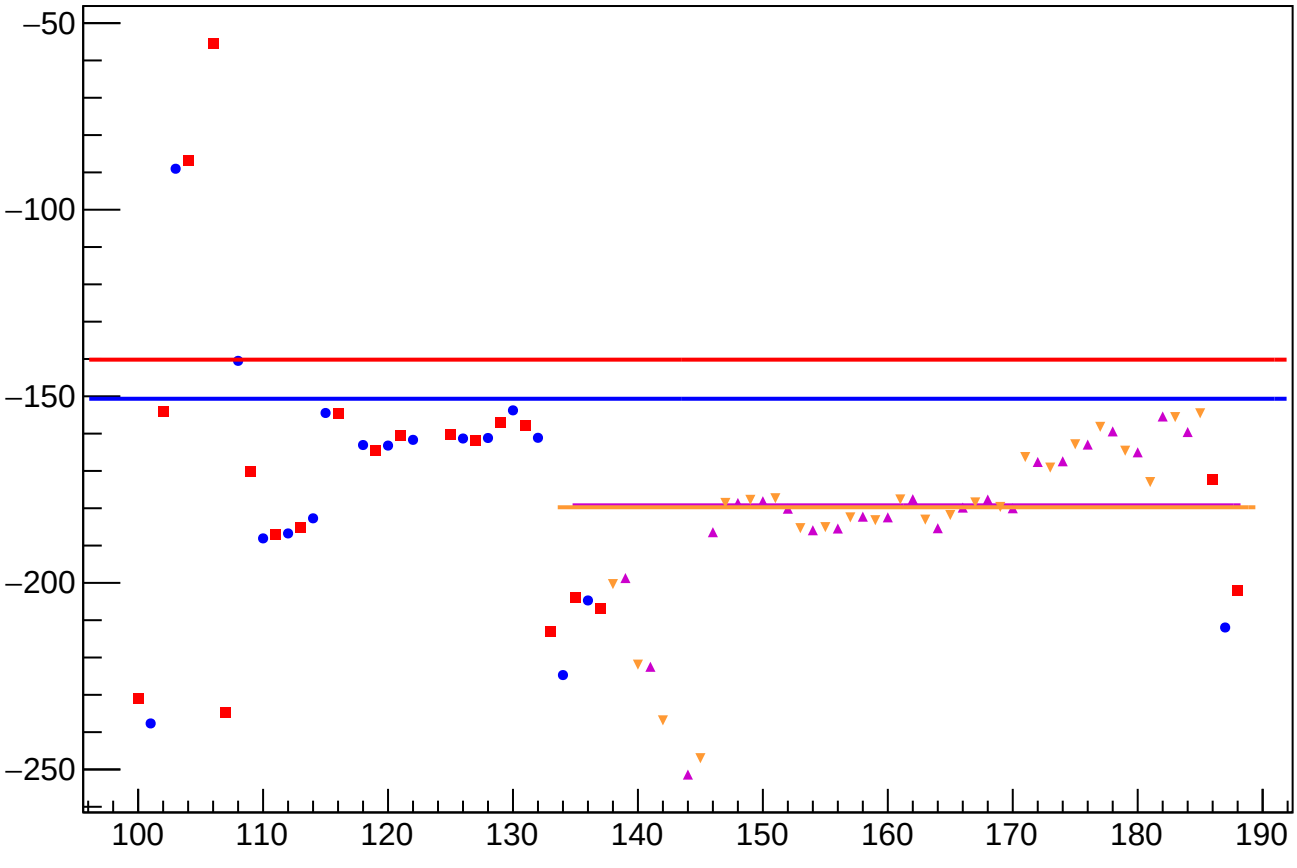
Left: 78.433+/-0.841 χ^2/NDF: 1152.0/46

Right: 45.542+/-1.270 χ^2/NDF: 399.1/36

In: 69.898+/-1.006 χ^2/NDF:889.0/39

Out: 66.995+/-0.978 χ^2/NDF:1123.9/43

All: 68.405+/-0.701 χ^2/NDF: 2017.2/83



Right In: -150.660+/-0.100 χ^2/NDF: 262363.0/16

Left Out: -179.738+/-0.055 χ^2/NDF:132199.5/23

Right Out: -140.181+/-0.092 χ^2/NDF: 349272.0/19

Left In: -179.219+/-0.055 χ^2/NDF:113522.5/22

Left: -179.476+/-0.039 χ^2/NDF: 245767.0/46

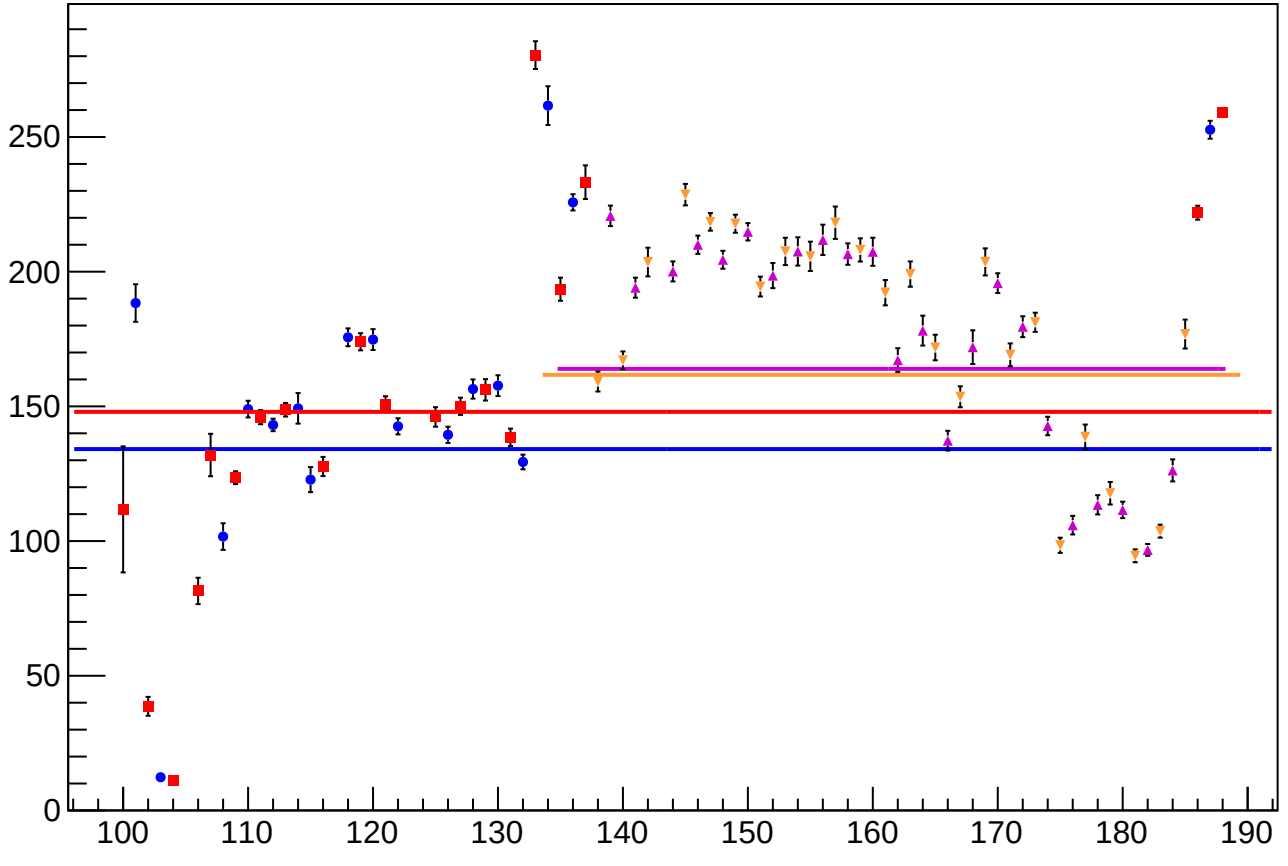
Right: -145.009+/-0.068 χ^2/NDF: 617551.8/36

In: -172.680+/-0.048 χ^2/NDF:438724.3/39

Out: -169.402+/-0.047 χ^2/NDF:616647.7/43

All: -171.020+/-0.034 χ^2/NDF: 1057747.1/83

reg_asym_us_avg_atlr_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 134.150+/-0.788 χ^2/NDF: 7509.9/16

Left Out: 161.708+/-0.776 χ^2/NDF:3587.3/23

Right Out: 147.963+/-0.684 χ^2/NDF: 12768.5/19

Left In: 163.927+/-0.779 χ^2/NDF:3335.5/22

Left: 162.813+/-0.550 χ^2/NDF: 6926.9/46

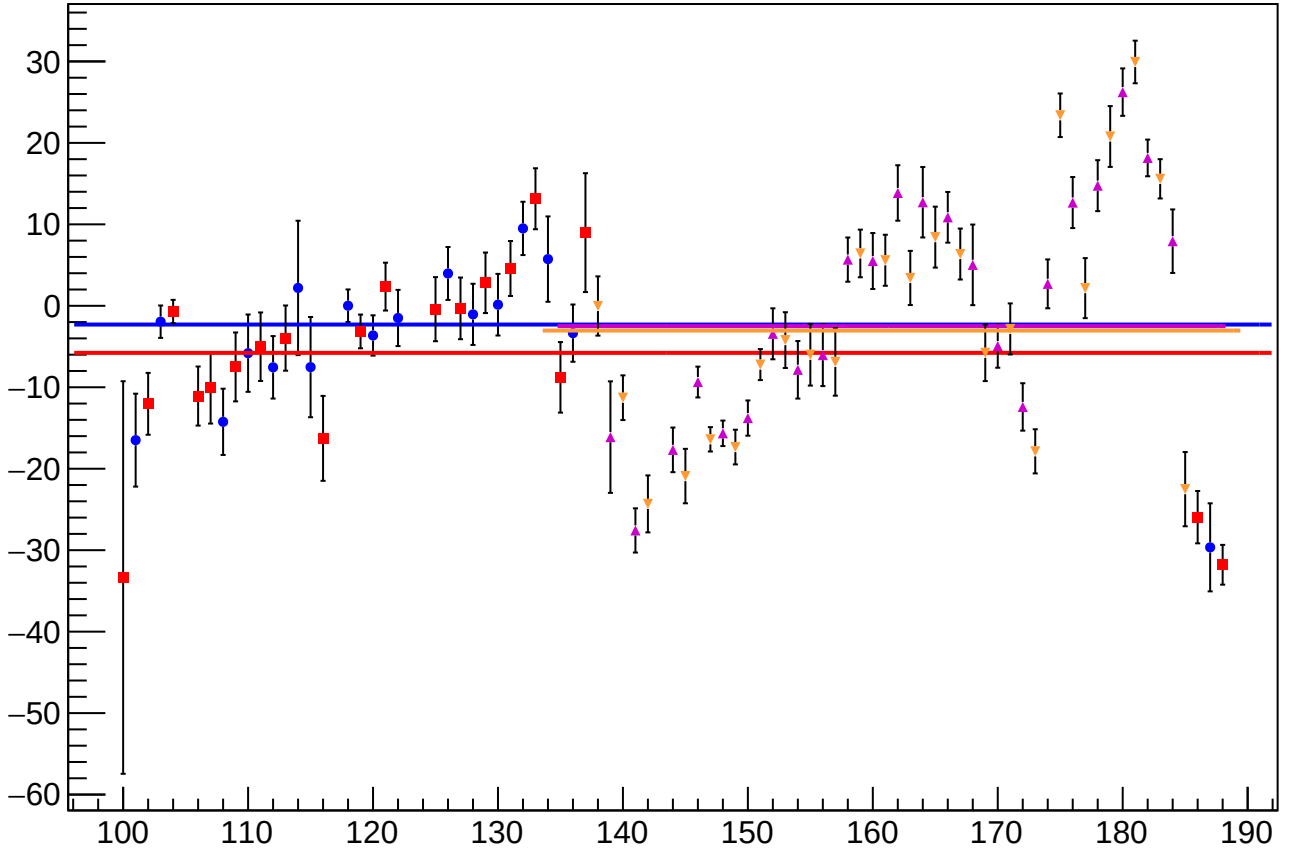
Right: 142.028+/-0.516 χ^2/NDF: 20453.9/36

In: 149.199+/-0.554 χ^2/NDF:11567.7/39

Out: 153.969+/-0.513 χ^2/NDF:16532.4/43

All: 151.767+/-0.376 χ^2/NDF: 28140.0/83

reg_asym_us_avg_atlr_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -2.301+/-0.823 χ^2/NDF: 65.3/16

Left Out: -3.038+/-0.578 χ^2/NDF:654.5/23

Right Out: -5.776+/-0.716 χ^2/NDF: 235.2/19

Left In: -2.492+/-0.587 χ^2/NDF:562.9/22

Left: -2.769+/-0.412 χ^2/NDF: 1217.8/46

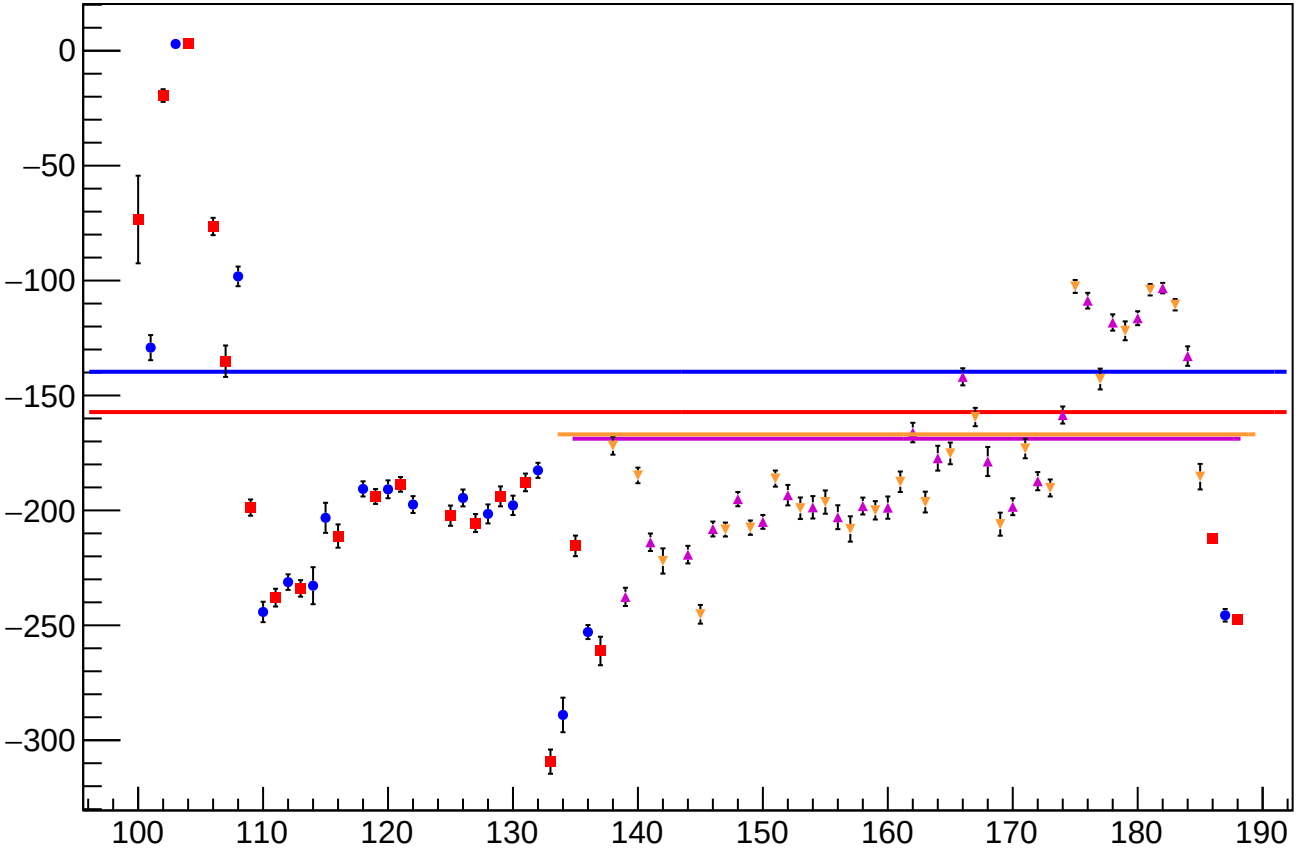
Right: -4.279+/-0.540 χ^2/NDF: 310.7/36

In: -2.427+/-0.478 χ^2/NDF:628.2/39

Out: -4.119+/-0.450 χ^2/NDF:898.6/43

All: -3.324+/-0.328 χ^2/NDF: 1533.4/83

reg_asym_us_avg_atlr_avg_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -139.673+/-0.808 χ^2/NDF: 16337.4/16

Left Out: -166.912+/-0.771 χ^2/NDF:3096.2/23

Right Out: -157.218+/-0.667 χ^2/NDF: 23149.1/19

Left In: -168.810+/-0.772 χ^2/NDF:3059.5/22

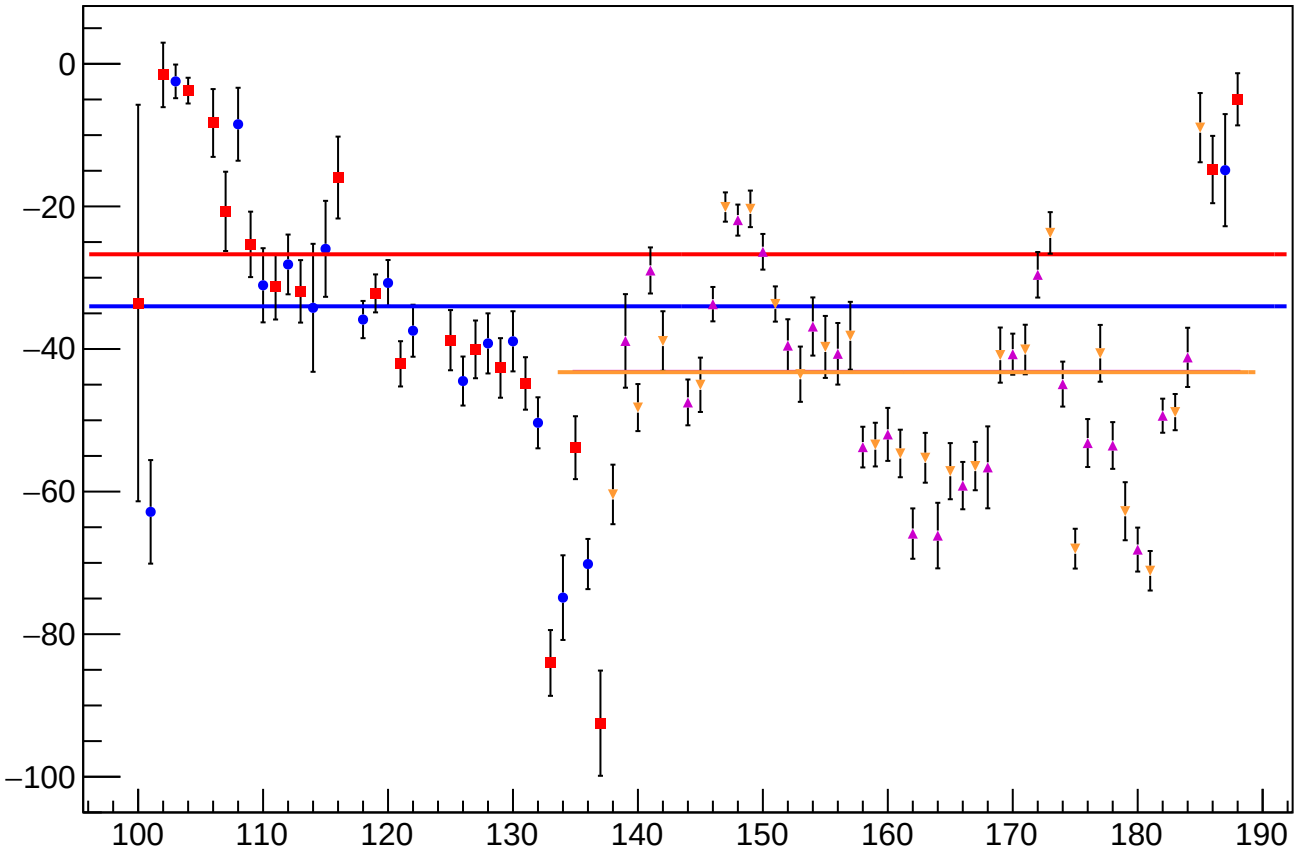
Left: -167.859+/-0.546 χ^2/NDF: 6158.8/46

Right: -150.109+/-0.515 χ^2/NDF: 39766.7/36

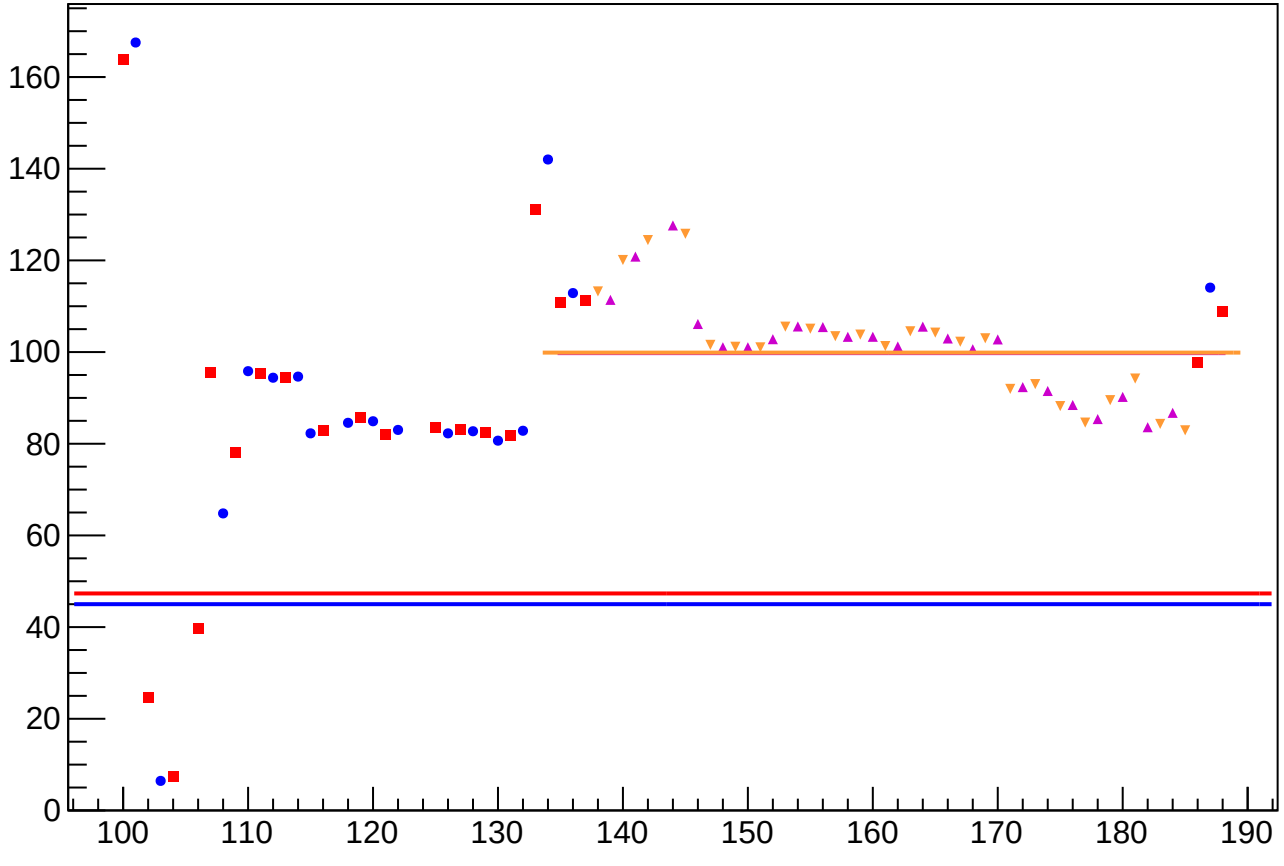
In: -154.905+/-0.558 χ^2/NDF:20076.0/39

Out: -161.371+/-0.505 χ^2/NDF:26335.7/43

All: -158.465+/-0.374 χ^2/NDF: 46485.5/83


reg_asym_us_avg_atlr_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
0
−20
−40
−60
−80
−100
100
110
120
130
140
150
160
170
180
190
Right In: -34.011+/-0.961 χ²/NDF: 417.3/16
Left Out: -43.251+/-0.664 χ²/NDF:610.2/23
Right Out: -26.713+/-0.865 χ²/NDF: 613.5/19
Left In: -43.207+/-0.670 χ²/NDF:405.8/22
Left: -43.229+/-0.472 χ²/NDF: 1016.0/46
Right: -29.983+/-0.643 χ²/NDF: 1062.7/36
In: -40.197+/-0.550 χ²/NDF:884.7/39
Out: -37.122+/-0.527 χ²/NDF:1453.5/43
All: -38.595+/-0.380 χ²/NDF: 2354.6/83

reg_asym_us_avg_atlr_avg_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 45.001+/-0.045 χ^2/NDF: 1110202.3/16

Left Out: 99.881+/-0.031 χ^2/NDF:123588.1/23

Right Out: 47.340+/-0.043 χ^2/NDF: 939895.7/19

Left In: 99.769+/-0.031 χ^2/NDF:113501.0/22

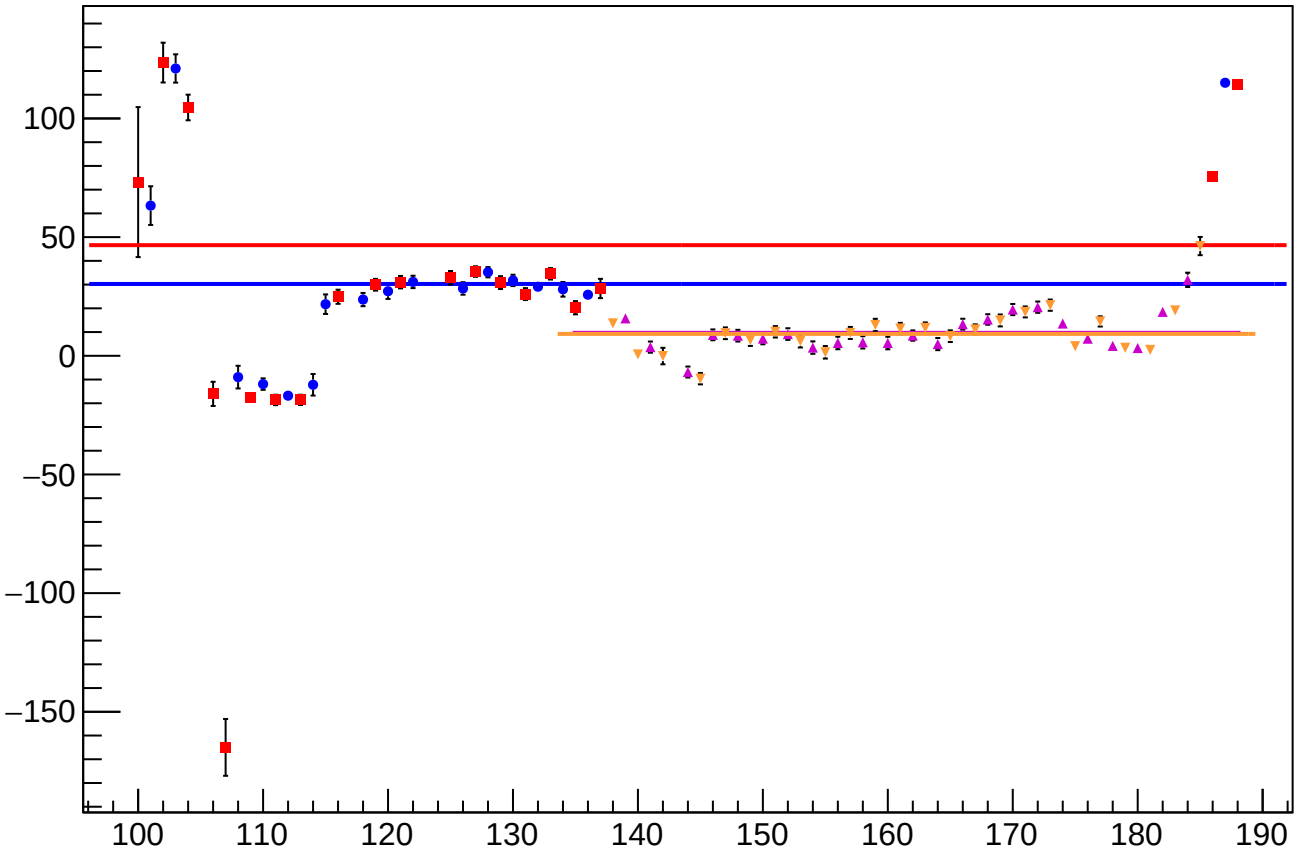
Left: 99.825+/-0.022 χ^2/NDF: 237095.8/46

Right: 46.203+/-0.031 χ^2/NDF: 2051504.9/36

In: 82.334+/-0.025 χ^2/NDF:2246695.4/39

Out: 82.346+/-0.025 χ^2/NDF:2036706.3/43

All: 82.340+/-0.018 χ^2/NDF: 4283401.9/83



Right In: 30.267+/-0.649 χ^2/NDF: 3089.2/16

Left Out: 9.228+/-0.456 χ^2/NDF:327.5/23

Right Out: 46.615+/-0.538 χ^2/NDF: 7692.1/19

Left In: 9.676+/-0.462 χ^2/NDF:246.7/22

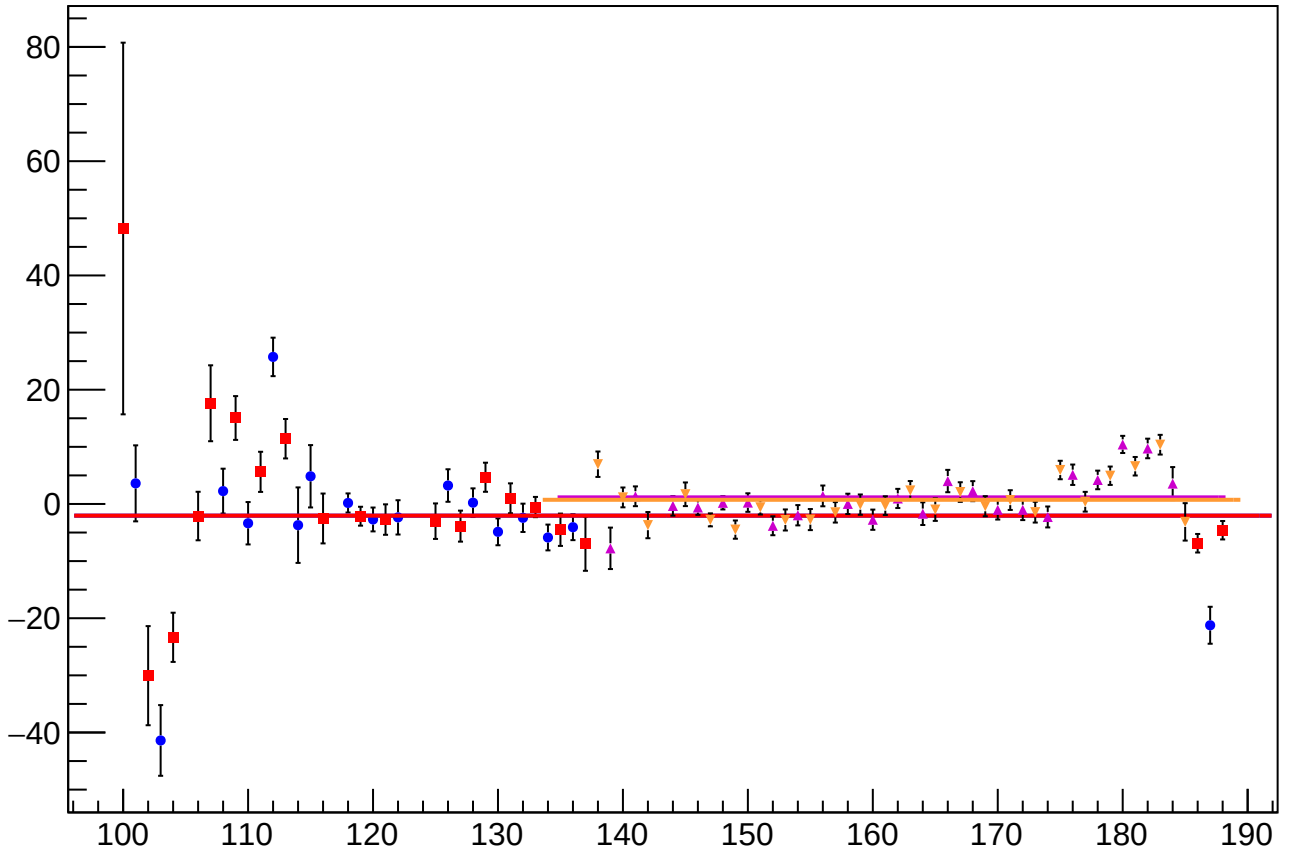
Left: 9.449+/-0.325 χ^2/NDF: 574.7/46

Right: 39.964+/-0.414 χ^2/NDF: 11157.2/36

In: 16.605+/-0.377 χ^2/NDF:4003.2/39

Out: 24.884+/-0.348 χ^2/NDF:10829.1/43

All: 21.071+/-0.256 χ^2/NDF: 15093.0/83



Right In: -2.047+/-0.683 χ^2/NDF: 158.7/16

Left Out: 0.730+/-0.350 χ^2/NDF:109.7/23

Right Out: -2.045+/-0.605 χ^2/NDF: 108.7/19

Left In: 1.156+/-0.358 χ^2/NDF:110.4/22

Left: 0.939+/-0.250 χ^2/NDF: 220.9/46

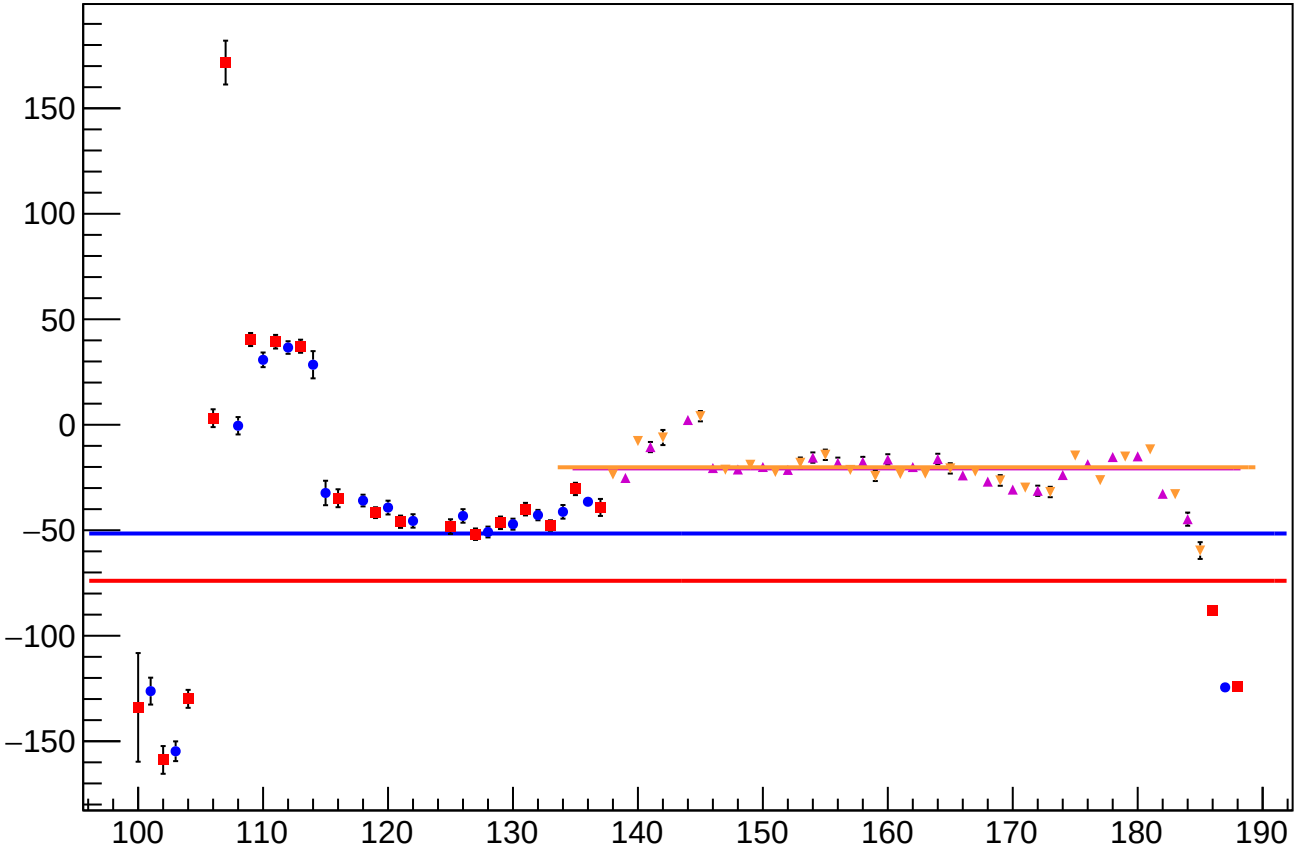
Right: -2.046+/-0.453 χ^2/NDF: 267.4/36

In: 0.468+/-0.317 χ^2/NDF:286.4/39

Out: 0.037+/-0.303 χ^2/NDF:234.2/43

All: 0.242+/-0.219 χ^2/NDF: 521.6/83

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -51.541+/-0.708 χ^2/NDF: 4521.9/16

Left Out: -20.151+/-0.452 χ^2/NDF:420.3/23

Right Out: -73.957+/-0.527 χ^2/NDF: 9244.4/19

Left In: -20.683+/-0.458 χ^2/NDF:310.5/22

Left: -20.414+/-0.322 χ^2/NDF: 731.5/46

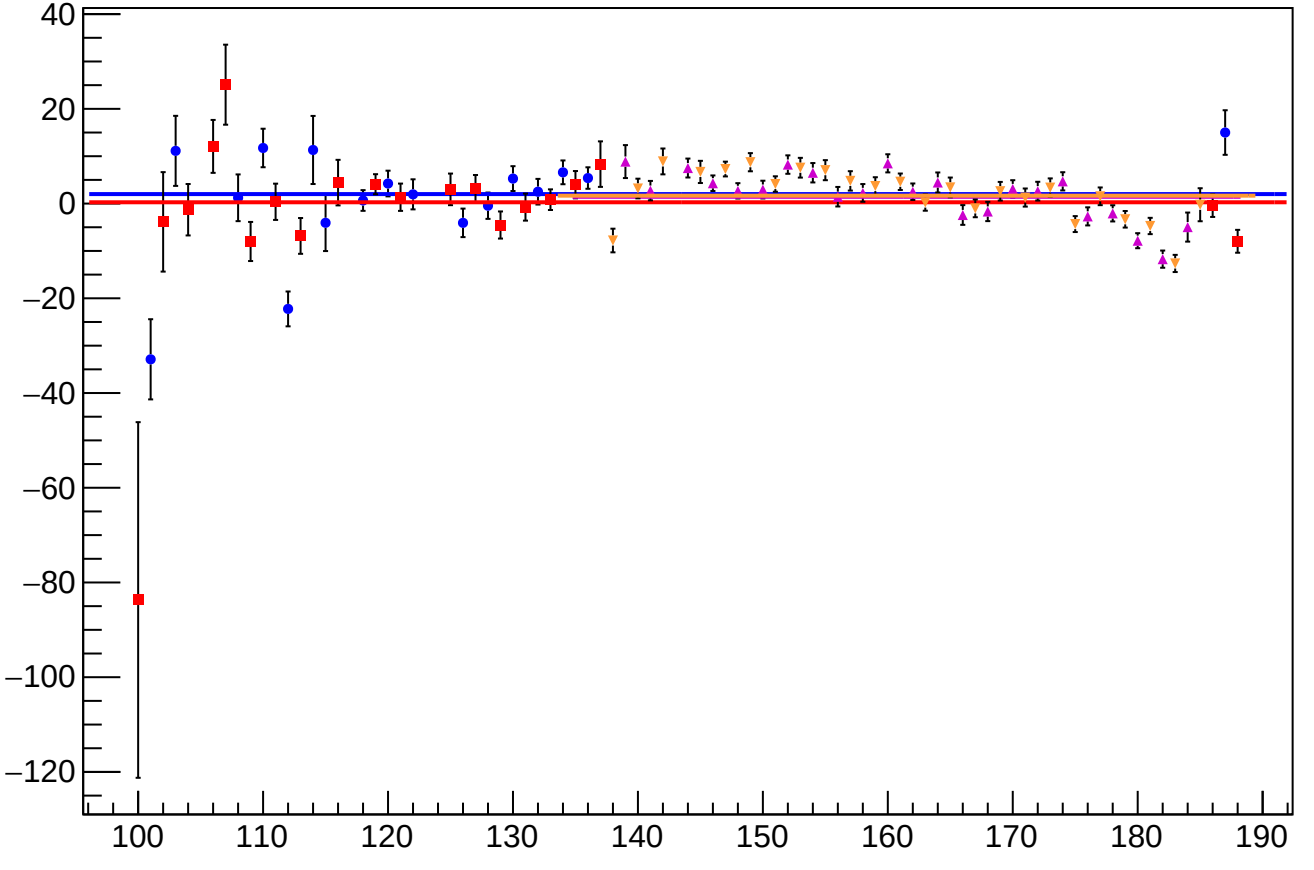
Right: -65.968+/-0.423 χ^2/NDF: 14411.0/36

In: -29.772+/-0.384 χ^2/NDF:6171.7/39

Out: -42.979+/-0.343 χ^2/NDF:15665.4/43

All: -37.119+/-0.256 χ^2/NDF: 22493.8/83

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 2.003+/-0.786 χ^2/NDF: 91.1/16

Left Out: 1.671+/-0.395 χ^2/NDF:178.0/23

Right Out: 0.273+/-0.736 χ^2/NDF: 50.8/19

Left In: 1.428+/-0.403 χ^2/NDF:162.8/22

Left: 1.552+/-0.282 χ^2/NDF: 340.9/46

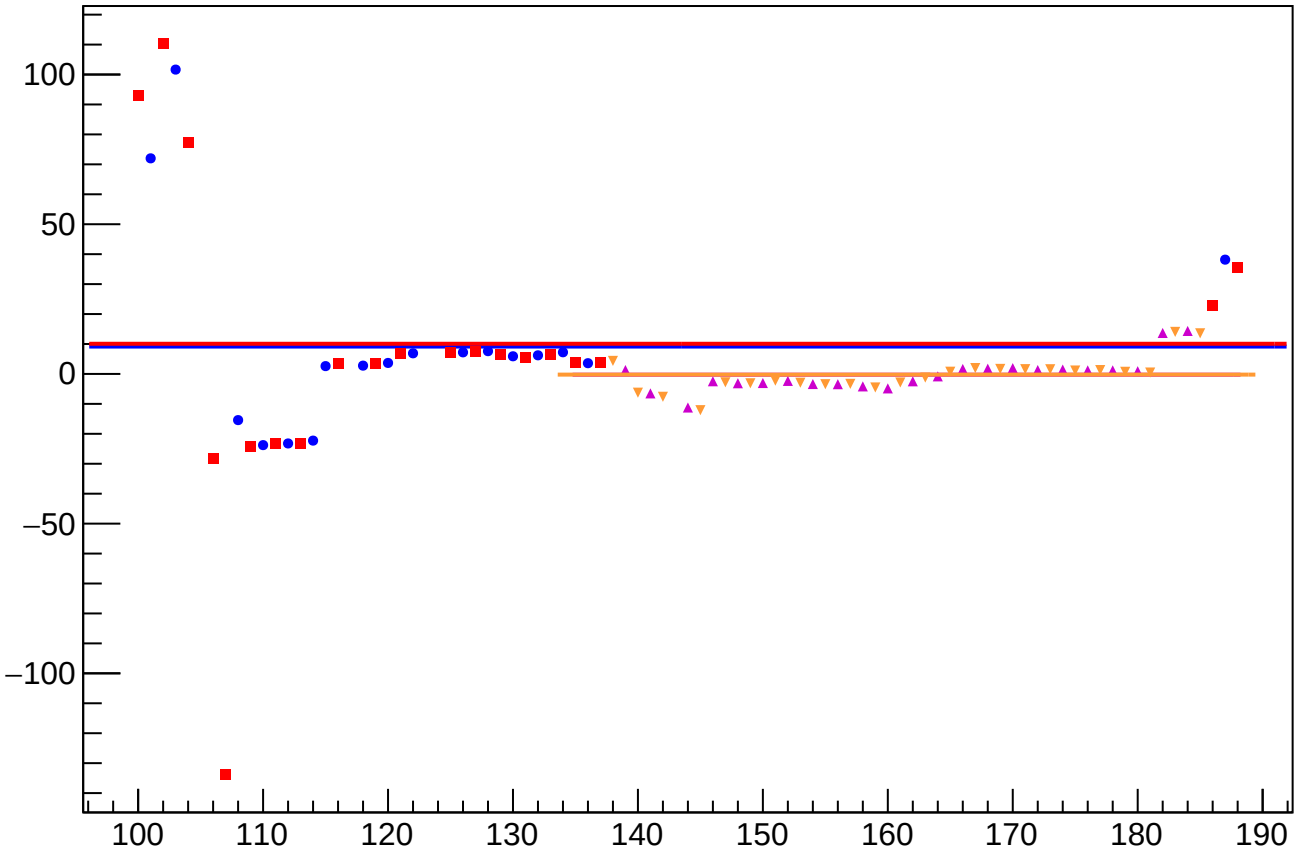
Right: 1.081+/-0.537 χ^2/NDF: 144.5/36

In: 1.547+/-0.358 χ^2/NDF:254.4/39

Out: 1.358+/-0.348 χ^2/NDF:231.6/43

All: 1.450+/-0.250 χ^2/NDF: 486.1/83

reg_asym_us_dd_at1lr_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 9.144+/-0.048 χ^2/NDF: 326154.6/16

Left Out: -0.229+/-0.018 χ^2/NDF:80976.2/23

Right Out: 10.073+/-0.046 χ^2/NDF: 503912.6/19

Left In: -0.270+/-0.018 χ^2/NDF:72783.3/22

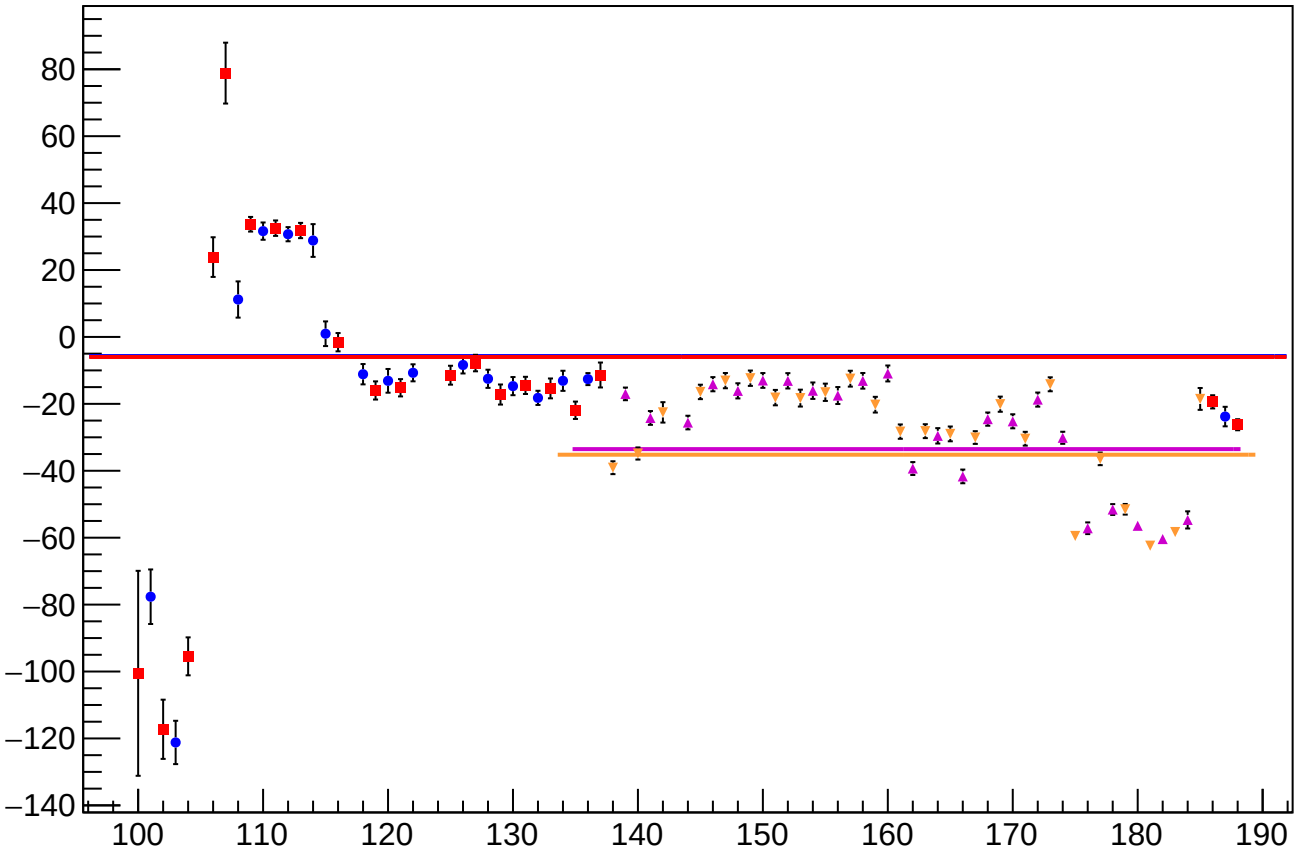
Left: -0.249+/-0.013 χ^2/NDF: 153762.2/46

Right: 9.623+/-0.033 χ^2/NDF: 830264.2/36

In: 0.879+/-0.017 χ^2/NDF:433330.8/39

Out: 1.089+/-0.016 χ^2/NDF:628541.4/43

All: 0.985+/-0.012 χ^2/NDF: 1061952.6/83



Right In: -5.717+/-0.691 χ^2/NDF: 1087.0/16

Left Out: -35.201+/-0.408 χ^2/NDF:1850.7/23

Right Out: -5.990+/-0.620 χ^2/NDF: 1713.7/19

Left In: -33.528+/-0.414 χ^2/NDF:1806.1/22

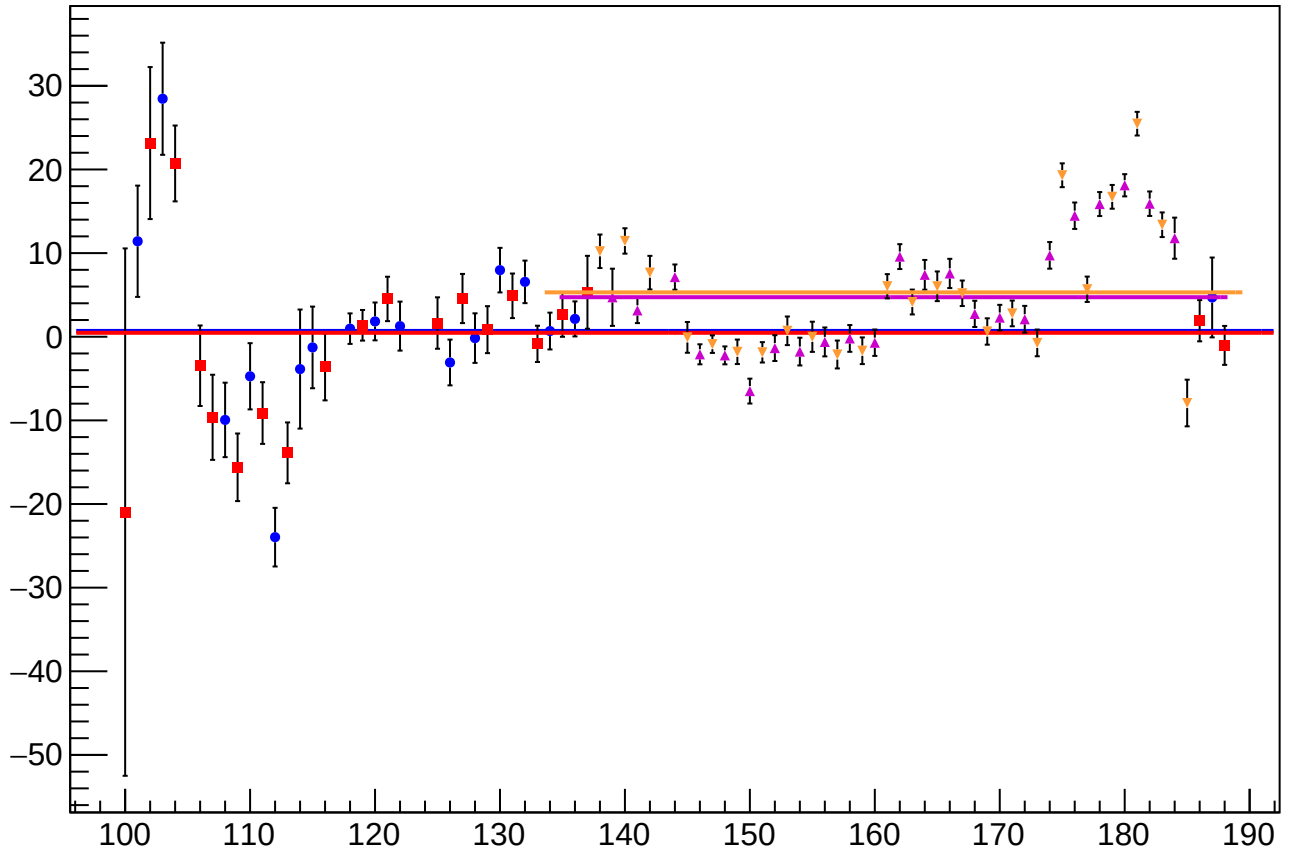
Left: -34.376+/-0.291 χ^2/NDF: 3665.2/46

Right: -5.868+/-0.462 χ^2/NDF: 2800.7/36

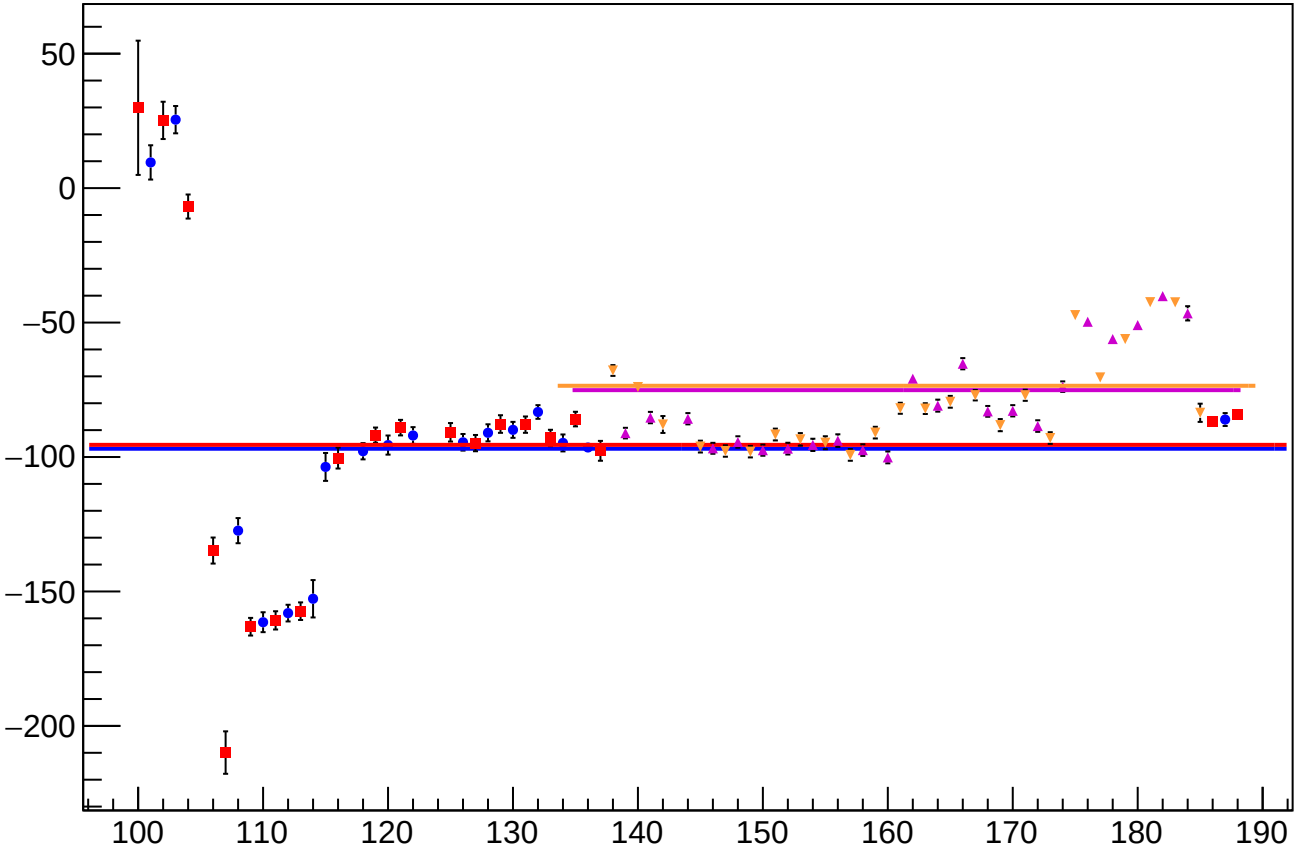
In: -26.194+/-0.355 χ^2/NDF:4085.0/39

Out: -26.369+/-0.341 χ^2/NDF:5113.1/43

All: -26.285+/-0.246 χ^2/NDF: 9198.2/83


reg_asym_us_dd_at1lr_dd_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
30
20
10
0
−10
−20
−30
−40
−50
100
110
120
130
140
150
160
170
180
190
Right In: 0.695+/-0.719 χ²/NDF: 93.6/16
Left Out: 5.307+/-0.315 χ²/NDF:624.4/23
Right Out: 0.473+/-0.689 χ²/NDF: 80.9/19
Left In: 4.727+/-0.321 χ²/NDF:496.0/22
Left: 5.023+/-0.225 χ²/NDF: 1122.0/46
Right: 0.580+/-0.497 χ²/NDF: 174.6/36
In: 4.056+/-0.293 χ²/NDF:615.8/39
Out: 4.472+/-0.286 χ²/NDF:746.0/43
All: 4.269+/-0.205 χ²/NDF: 1362.8/83

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -96.920+/-0.770 χ^2/NDF: 1722.8/16

Left Out: -73.506+/-0.405 χ^2/NDF:2392.0/23

Right Out: -95.477+/-0.647 χ^2/NDF: 2287.0/19

Left In: -75.133+/-0.410 χ^2/NDF:2361.9/22

Left: -74.310+/-0.288 χ^2/NDF: 4761.8/46

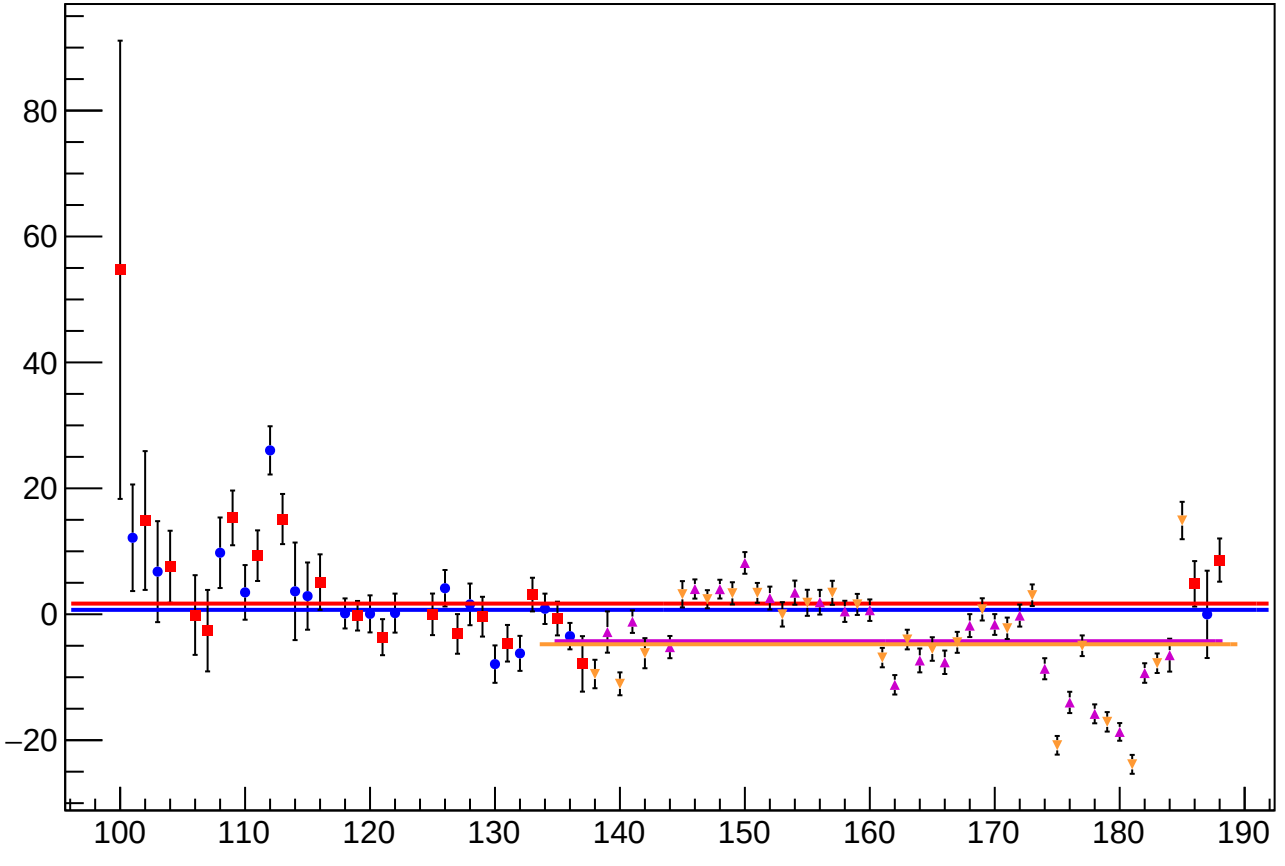
Right: -96.075+/-0.495 χ^2/NDF: 4011.8/36

In: -79.949+/-0.362 χ^2/NDF:4708.9/39

Out: -79.696+/-0.343 χ^2/NDF:5506.9/43

All: -79.816+/-0.249 χ^2/NDF: 10216.0/83

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.701+/-0.816 χ^2/NDF: 69.6/16

Left Out: -4.762+/-0.355 χ^2/NDF:576.9/23

Right Out: 1.695+/-0.810 χ^2/NDF: 53.0/19

Left In: -4.278+/-0.361 χ^2/NDF:424.1/22

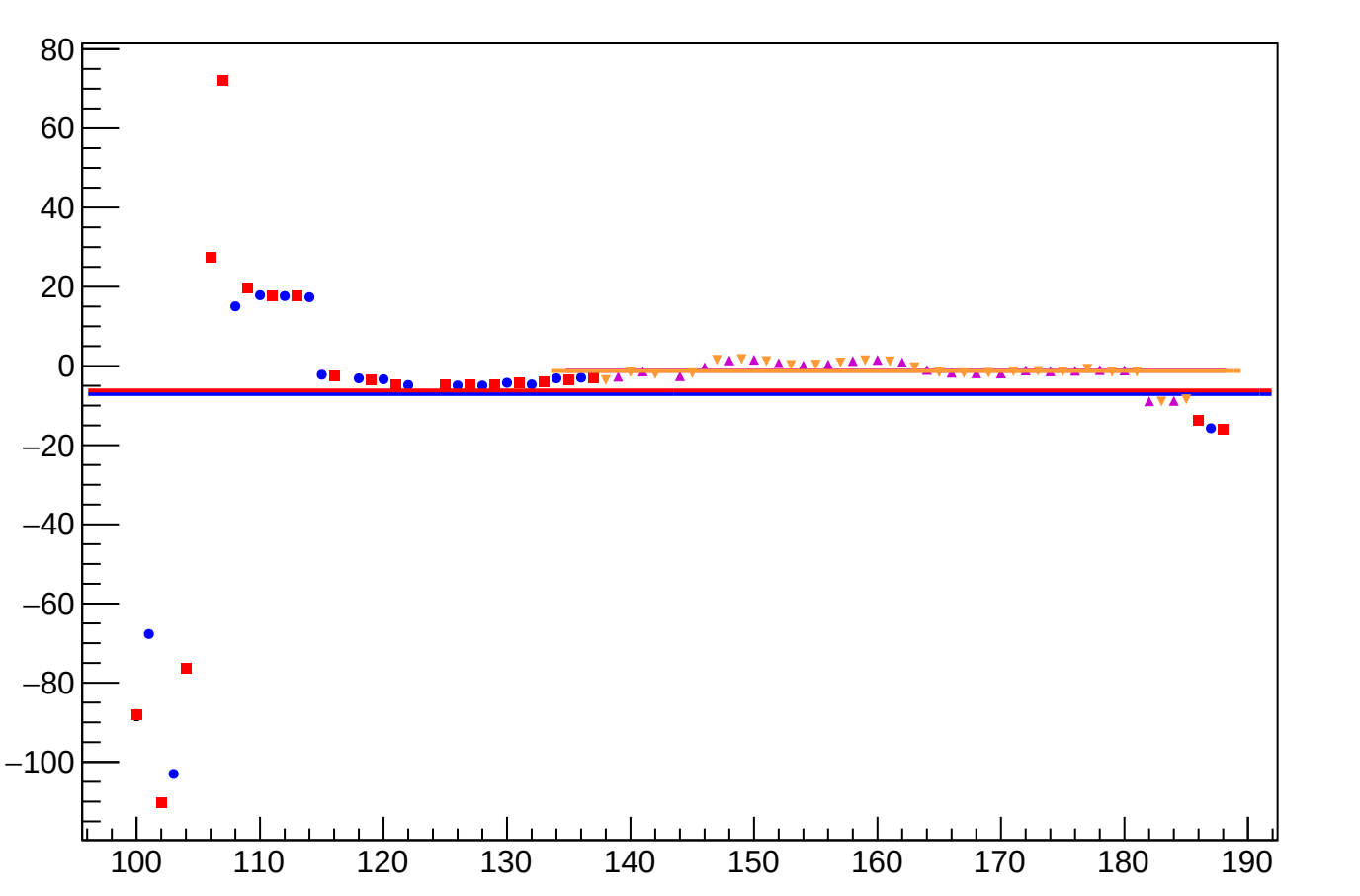
Left: -4.524+/-0.253 χ^2/NDF: 1002.0/46

Right: 1.202+/-0.575 χ^2/NDF: 123.3/36

In: -3.463+/-0.330 χ^2/NDF:524.9/39

Out: -3.722+/-0.325 χ^2/NDF:683.2/43

All: -3.594+/-0.232 χ^2/NDF: 1208.5/83



Right In: -7.068+/-0.048 χ^2/NDF: 265712.7/16

Left Out: -1.267+/-0.016 χ^2/NDF:25091.1/23

Right Out: -6.182+/-0.049 χ^2/NDF: 344505.2/19

Left In: -1.180+/-0.016 χ^2/NDF:24754.1/22

Left: -1.224+/-0.011 χ^2/NDF: 49860.2/46

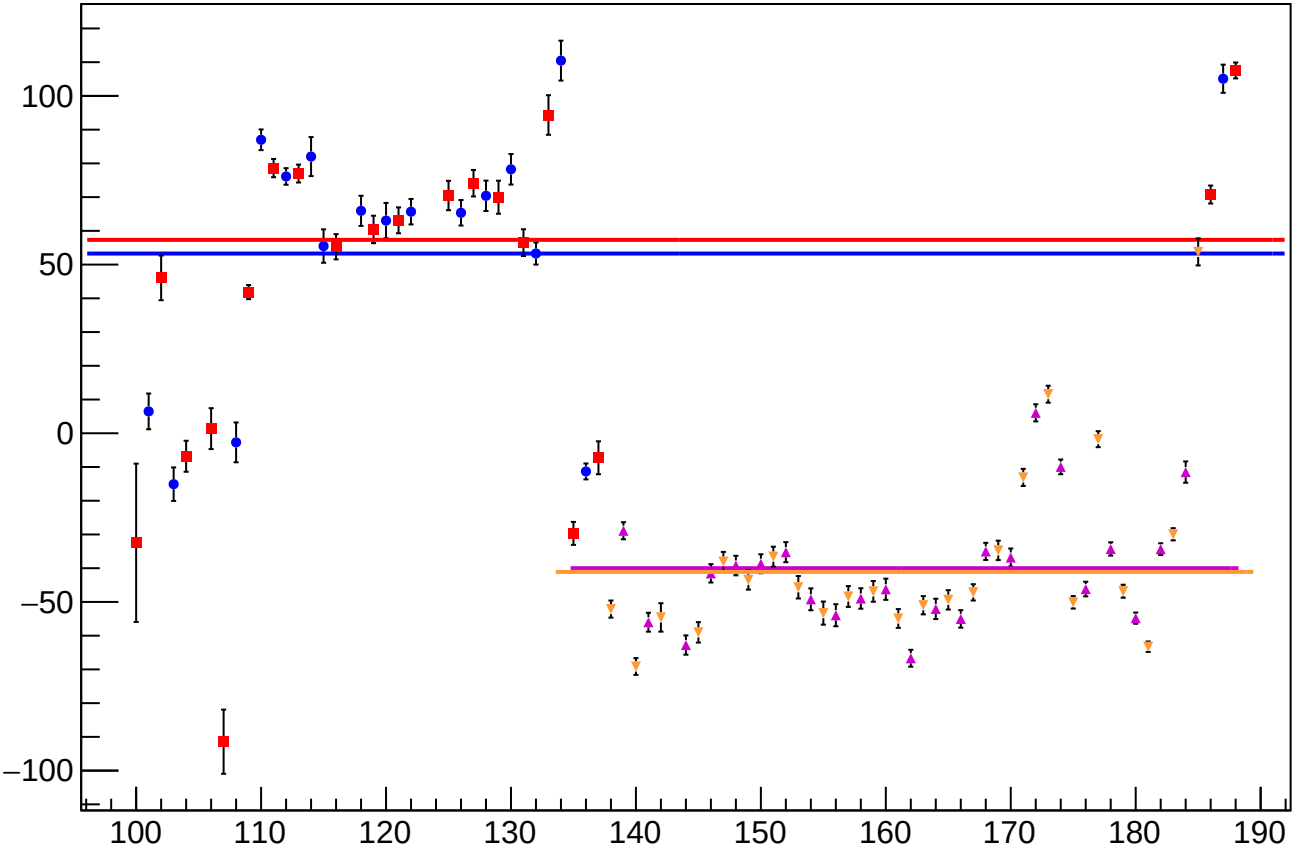
Right: -6.636+/-0.034 χ^2/NDF: 610383.2/36

In: -1.763+/-0.015 χ^2/NDF:303944.5/39

Out: -1.728+/-0.015 χ^2/NDF:378602.6/43

All: -1.746+/-0.011 χ^2/NDF: 682549.7/83

reg_asym_us_dd_at2lr_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 53.276+/-0.940 χ^2/NDF: 1666.1/16

Left Out: -41.097+/-0.517 χ^2/NDF:1948.2/23

Right Out: 57.336+/-0.812 χ^2/NDF: 2100.7/19

Left In: -40.000+/-0.524 χ^2/NDF:1031.8/22

Left: -40.556+/-0.368 χ^2/NDF: 2982.2/46

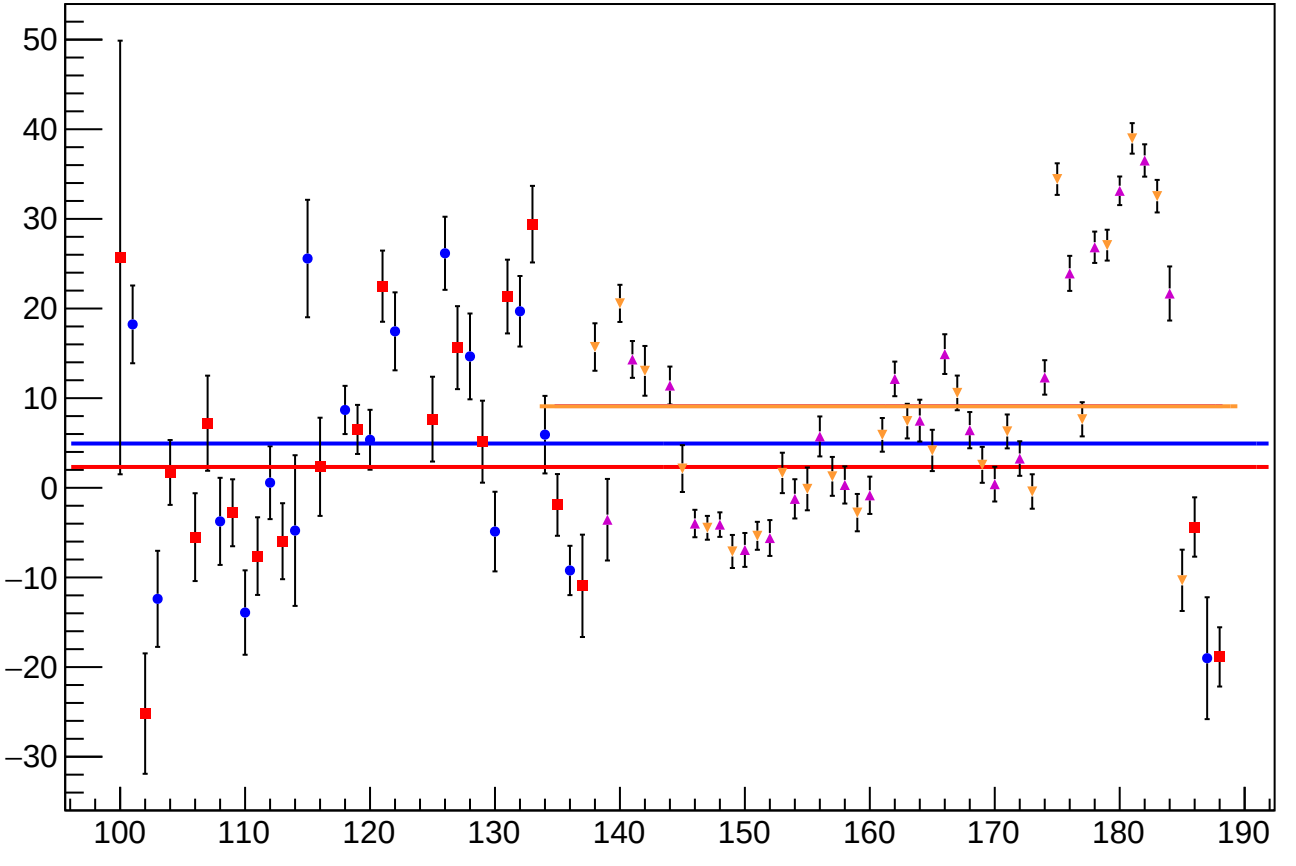
Right: 55.603+/-0.614 χ^2/NDF: 3777.5/36

In: -17.886+/-0.458 χ^2/NDF:10202.3/39

Out: -12.659+/-0.436 χ^2/NDF:14507.1/43

All: -15.146+/-0.316 χ^2/NDF: 24777.7/83

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 4.940+/-1.010 χ^2/NDF: 150.9/16

Left Out: 9.094+/-0.401 χ^2/NDF:1253.7/23

Right Out: 2.325+/-0.937 χ^2/NDF: 183.8/19

Left In: 9.121+/-0.409 χ^2/NDF:1051.8/22

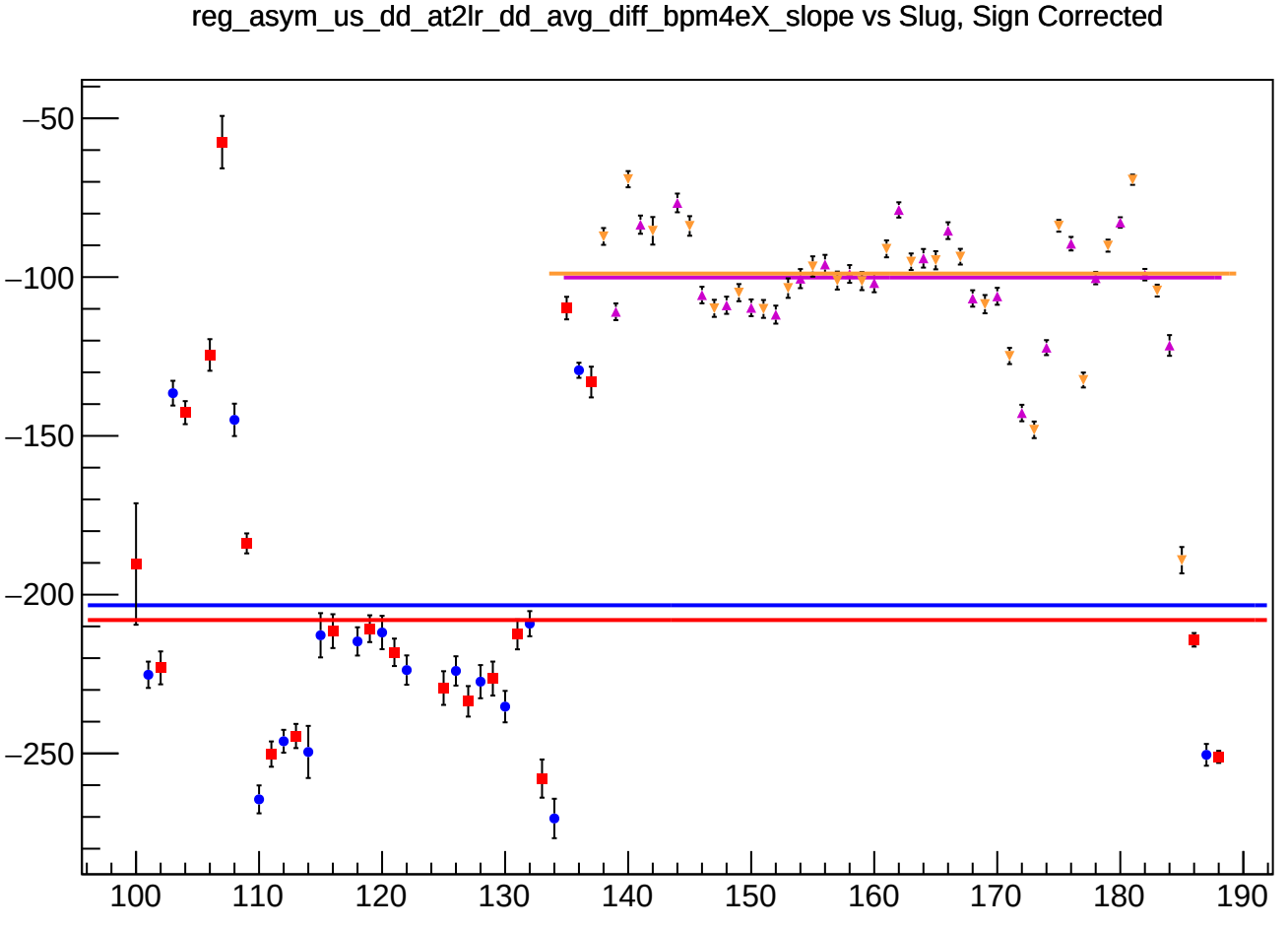
Left: 9.107+/-0.286 χ^2/NDF: 2305.5/46

Right: 3.535+/-0.687 χ^2/NDF: 338.3/36

In: 8.532+/-0.379 χ^2/NDF:1217.4/39

Out: 8.045+/-0.369 χ^2/NDF:1481.6/43

All: 8.282+/-0.264 χ^2/NDF: 2699.9/83


reg_asym_us_dd_at2lr_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected
−50
−100
−150
−200
−250
100
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120
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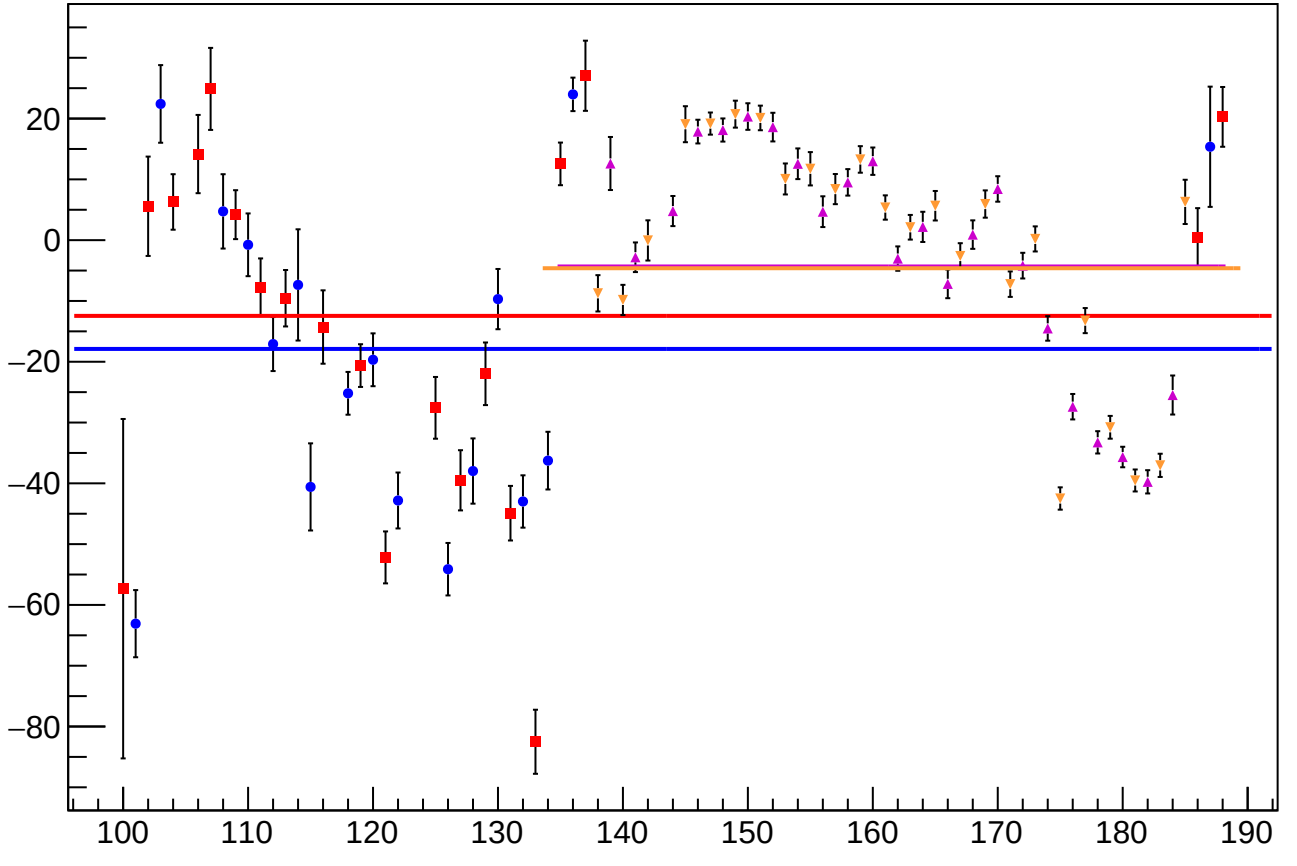
170
180
190
Right In: -203.346+/-1.033 χ²/NDF: 2209.9/16
Left Out: -98.883+/-0.514 χ²/NDF:1824.5/23
Right Out: -207.996+/-0.859 χ²/NDF: 2872.1/19
Left In: -100.127+/-0.520 χ²/NDF:823.2/22
Left: -99.498+/-0.366 χ²/NDF: 2650.6/46
Right: -206.095+/-0.660 χ²/NDF: 5094.0/36
In: -120.999+/-0.465 χ²/NDF:10998.2/39
Out: -127.664+/-0.441 χ²/NDF:16576.5/43
All: -124.503+/-0.320 χ²/NDF: 27683.0/83

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -17.891+/-1.151 χ^2/NDF: 555.4/16

Left Out: -4.618+/-0.451 χ^2/NDF:2078.3/23

Right Out: -12.455+/-1.101 χ^2/NDF: 602.7/19

Left In: -4.328+/-0.459 χ^2/NDF:1854.2/22

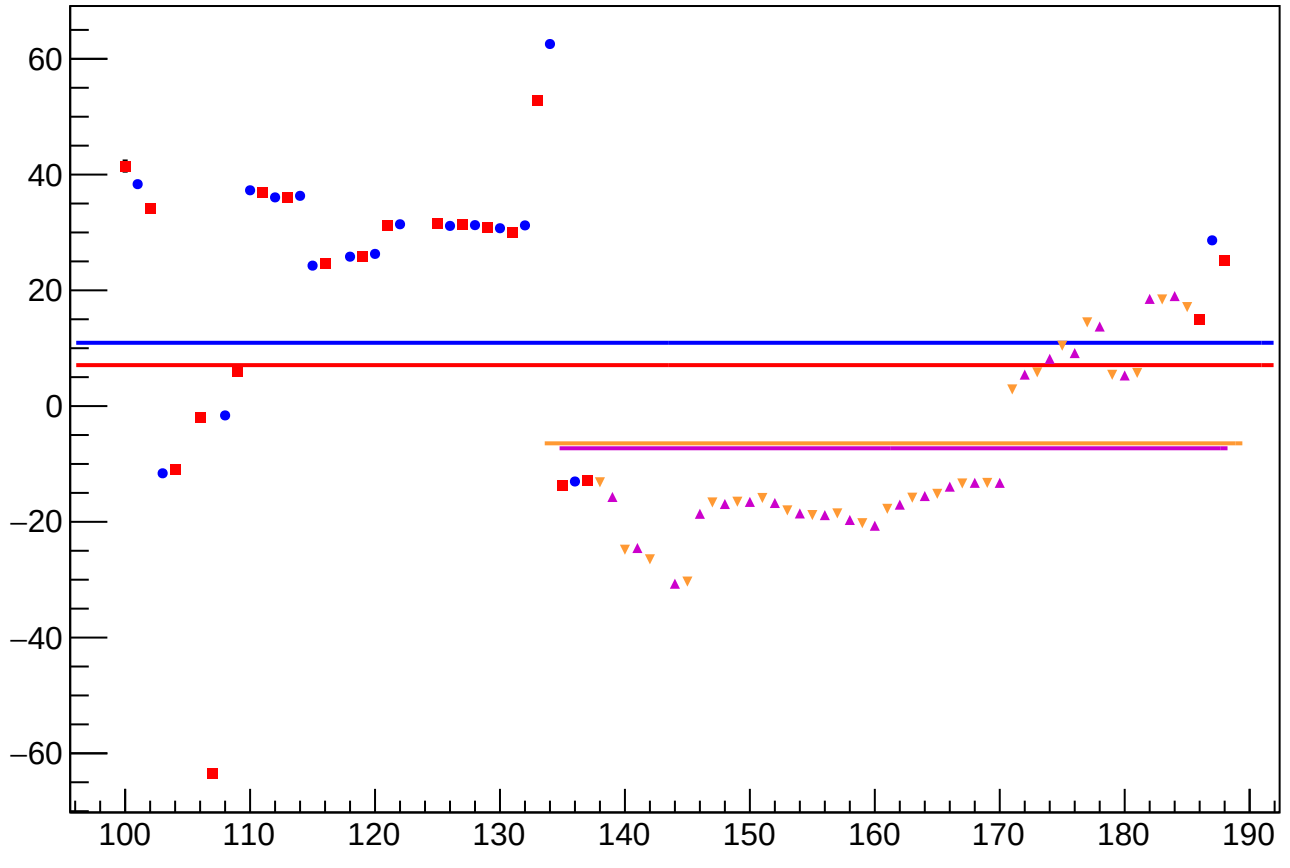
Left: -4.475+/-0.322 χ^2/NDF: 3932.7/46

Right: -15.052+/-0.796 χ^2/NDF: 1169.7/36

In: -6.186+/-0.426 χ^2/NDF:2529.3/39

Out: -5.745+/-0.418 χ^2/NDF:2724.4/43

All: -5.961+/-0.298 χ^2/NDF: 5254.2/83



Right In: 10.937+/-0.062 χ^2/NDF: 165919.4/16

Left Out: -6.437+/-0.020 χ^2/NDF:496714.6/23

Right Out: 7.076+/-0.061 χ^2/NDF: 161453.7/19

Left In: -7.292+/-0.020 χ^2/NDF:488261.5/22

Left: -6.862+/-0.014 χ^2/NDF: 985866.7/46

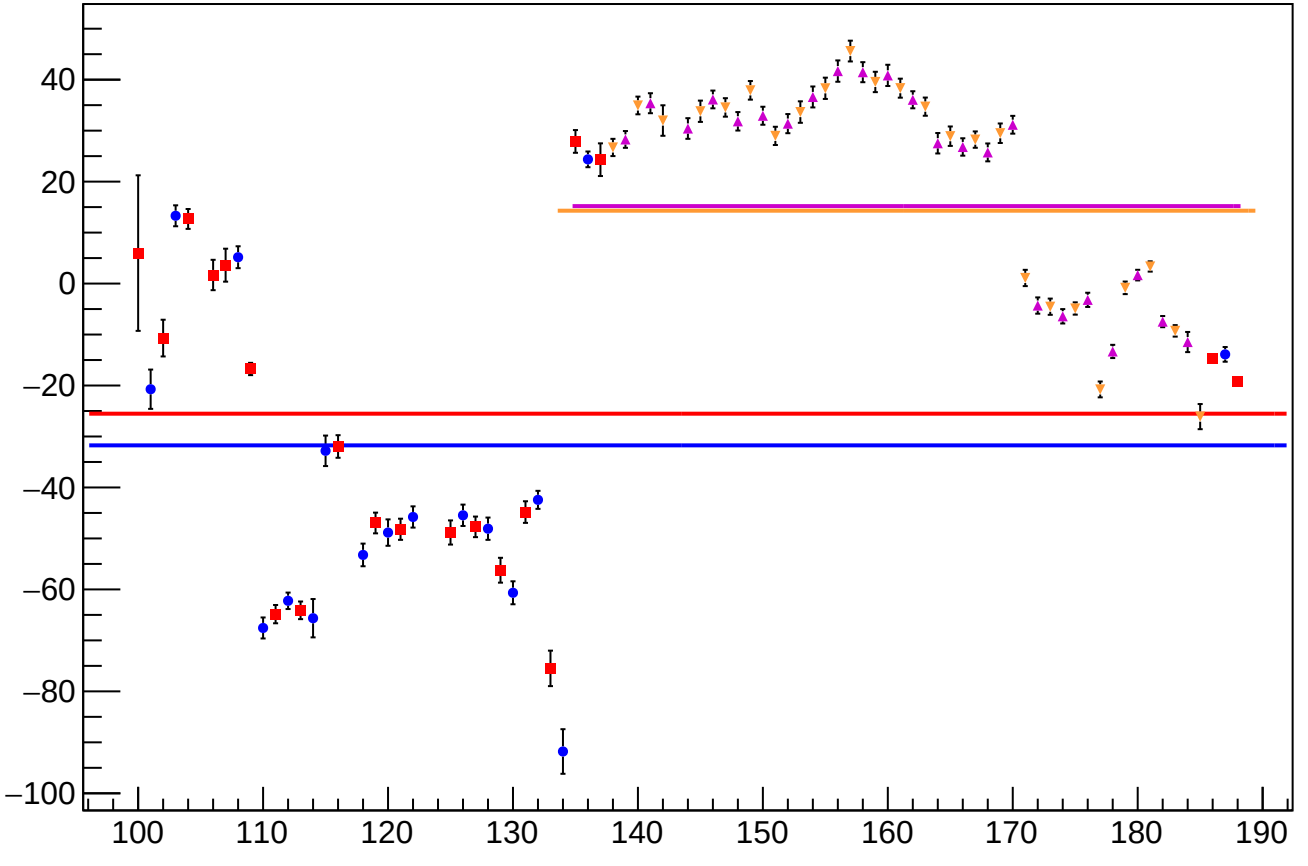
Right: 8.948+/-0.044 χ^2/NDF: 329340.1/36

In: -5.552+/-0.019 χ^2/NDF:731150.2/39

Out: -5.088+/-0.019 χ^2/NDF:702890.9/43

All: -5.318+/-0.014 χ^2/NDF: 1434332.3/83

reg_asym_us_dd_at2lr_dd_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -31.741+/-0.512 χ^2/NDF: 3675.5/16

Left Out: 14.295+/-0.335 χ^2/NDF:3726.3/23

Right Out: -25.527+/-0.398 χ^2/NDF: 3510.2/19

Left In: 15.194+/-0.339 χ^2/NDF:3406.6/22

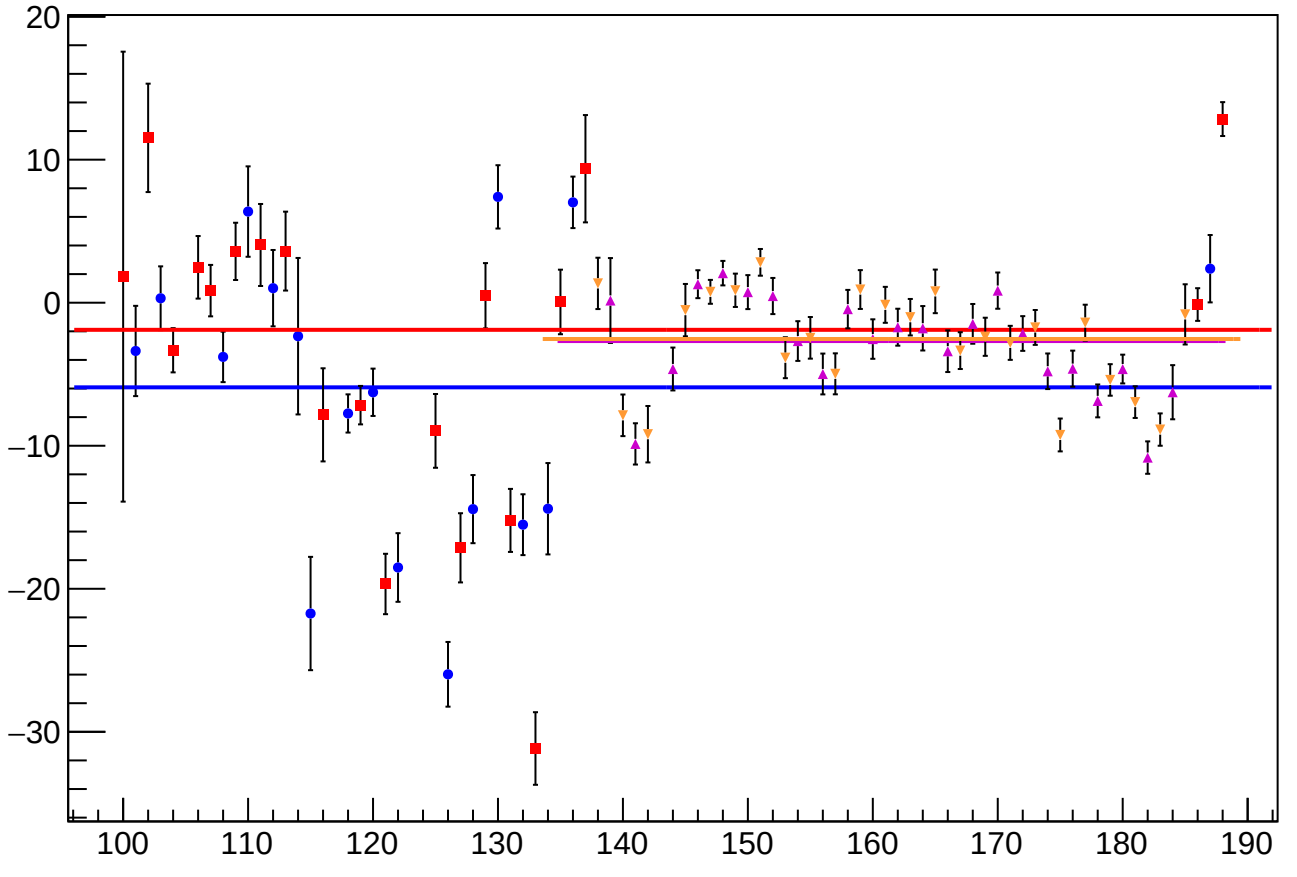
Left: 14.739+/-0.239 χ^2/NDF: 7136.5/46

Right: -27.870+/-0.314 χ^2/NDF: 7277.4/36

In: 0.869+/-0.283 χ^2/NDF:12918.4/39

Out: -2.209+/-0.257 χ^2/NDF:13085.6/43

All: -0.820+/-0.190 χ^2/NDF: 26069.0/83



Right In: -5.917+/-0.539 χ^2/NDF: 296.7/16

Left Out: -2.538+/-0.259 χ^2/NDF:198.4/23

Right Out: -1.896+/-0.447 χ^2/NDF: 509.8/19

Left In: -2.681+/-0.265 χ^2/NDF:182.0/22

Left: -2.608+/-0.185 χ^2/NDF: 380.6/46

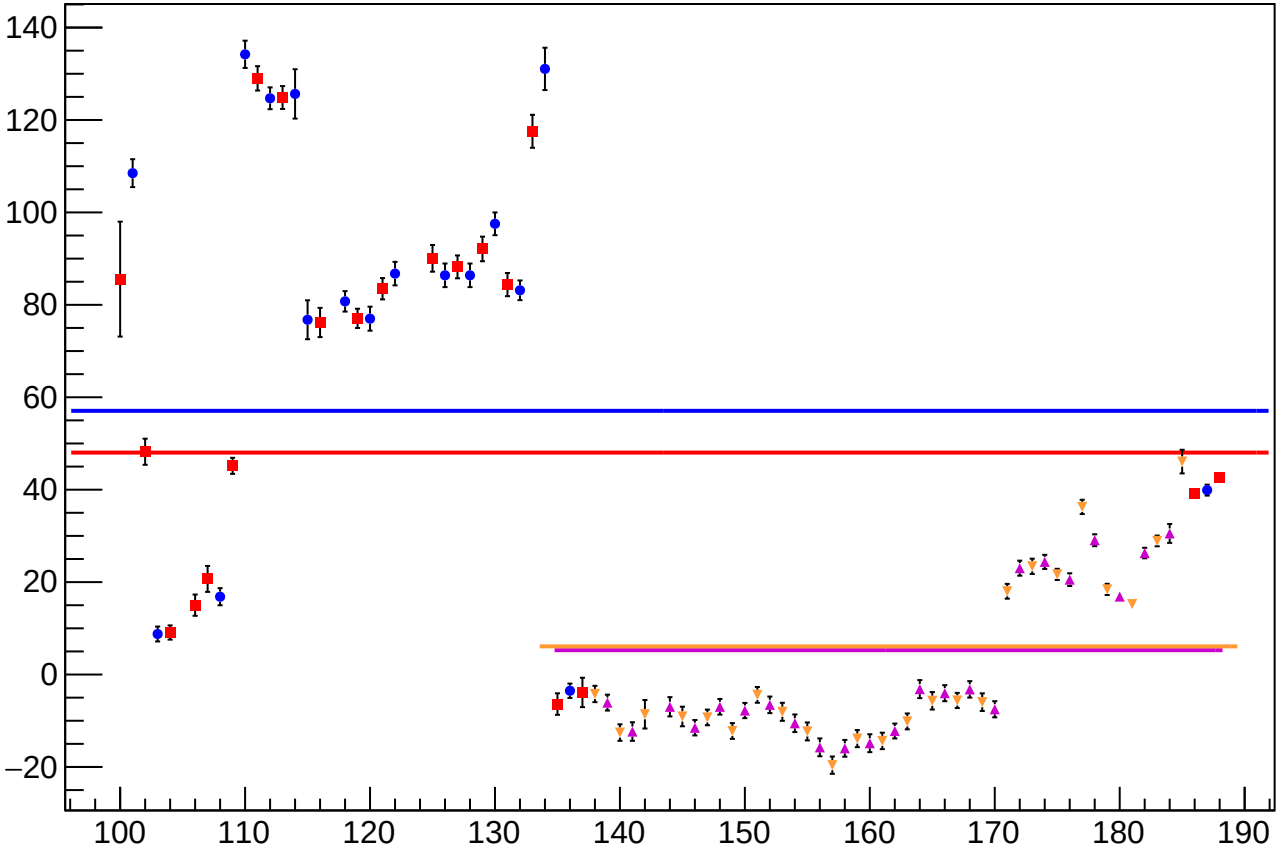
Right: -3.535+/-0.344 χ^2/NDF: 839.5/36

In: -3.310+/-0.238 χ^2/NDF:507.8/39

Out: -2.376+/-0.224 χ^2/NDF:709.7/43

All: -2.816+/-0.163 χ^2/NDF: 1225.7/83

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 57.063+/-0.531 χ^2/NDF: 6329.0/16

Left Out: 6.095+/-0.333 χ^2/NDF:2773.9/23

Right Out: 48.027+/-0.380 χ^2/NDF: 5721.0/19

Left In: 5.269+/-0.337 χ^2/NDF:2451.2/22

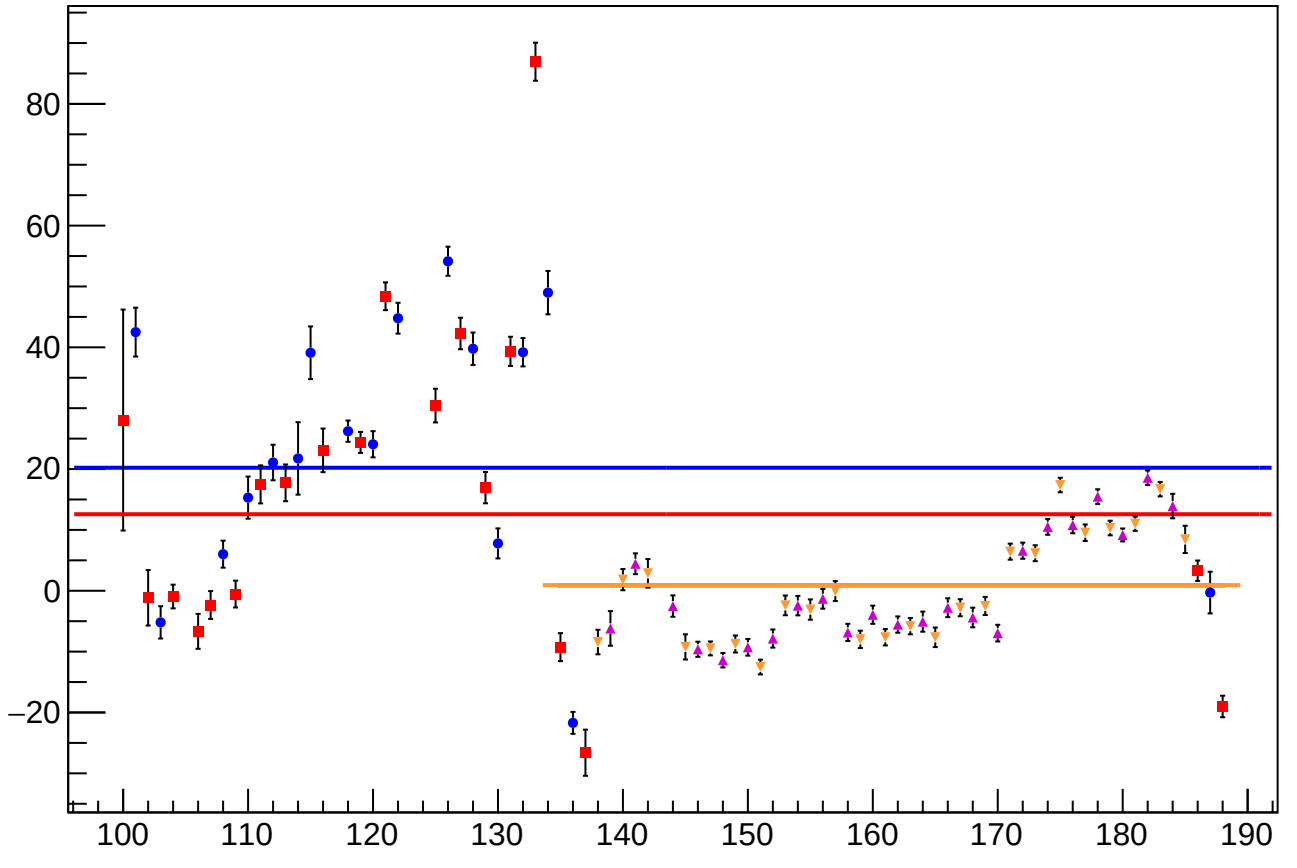
Left: 5.687+/-0.237 χ^2/NDF: 5228.1/46

Right: 51.089+/-0.309 χ^2/NDF: 12241.2/36

In: 20.102+/-0.284 χ^2/NDF:15563.5/39

Out: 24.285+/-0.250 χ^2/NDF:15378.9/43

All: 22.457+/-0.188 χ^2/NDF: 31064.2/83



Right In: 20.214+/-0.629 χ^2/NDF: 1282.5/16

Left Out: 0.929+/-0.292 χ^2/NDF:1041.7/23

Right Out: 12.578+/-0.551 χ^2/NDF: 1901.5/19

Left In: 0.878+/-0.297 χ^2/NDF:1006.0/22

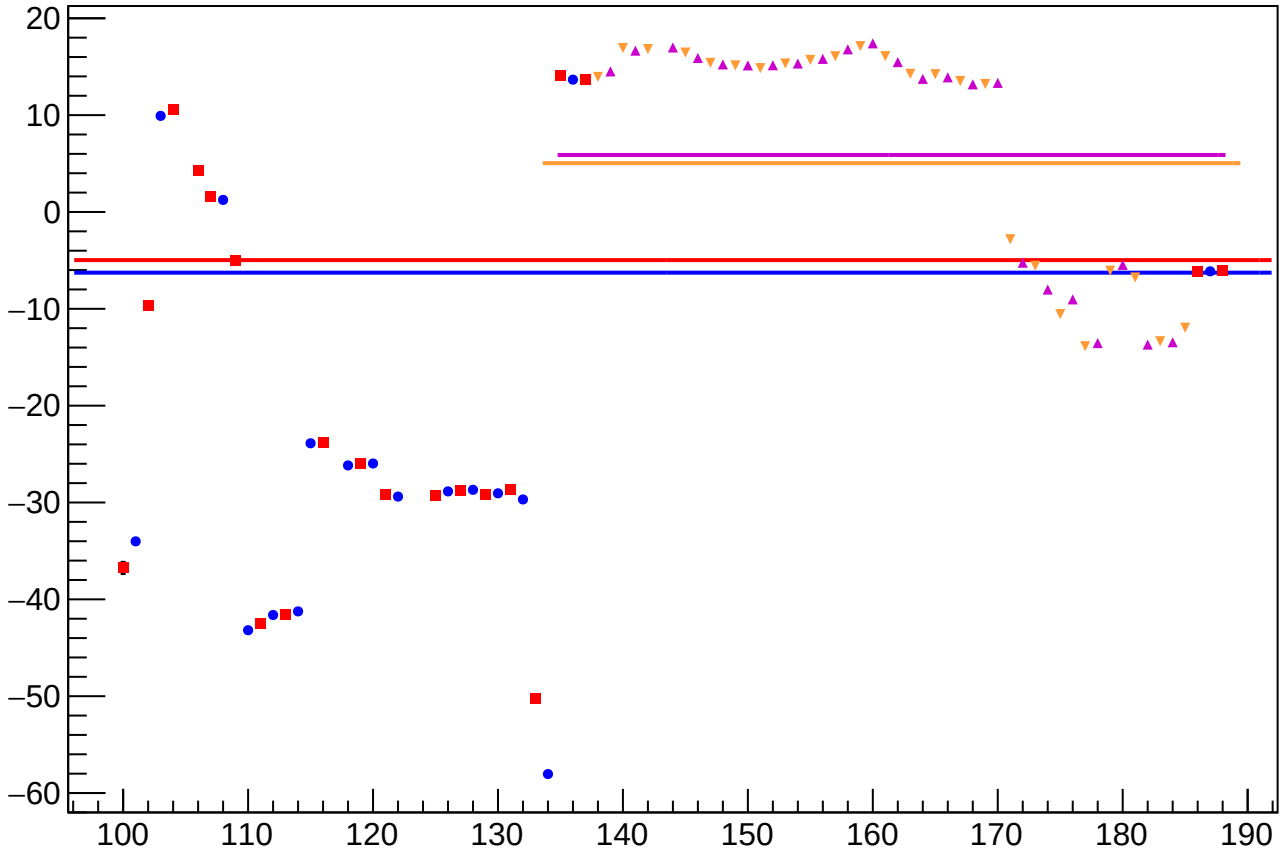
Left: 0.904+/-0.208 χ^2/NDF: 2047.7/46

Right: 15.892+/-0.415 χ^2/NDF: 3267.4/36

In: 4.406+/-0.269 χ^2/NDF:3060.6/39

Out: 3.481+/-0.258 χ^2/NDF:3292.3/43

All: 3.924+/-0.186 χ^2/NDF: 6359.0/83



Right In: -6.267+/-0.033 χ^2/NDF: 410461.5/16

Left Out: 5.042+/-0.013 χ^2/NDF:855564.2/23

Right Out: -4.971+/-0.030 χ^2/NDF: 306970.9/19

Left In: 5.886+/-0.013 χ^2/NDF:846355.0/22

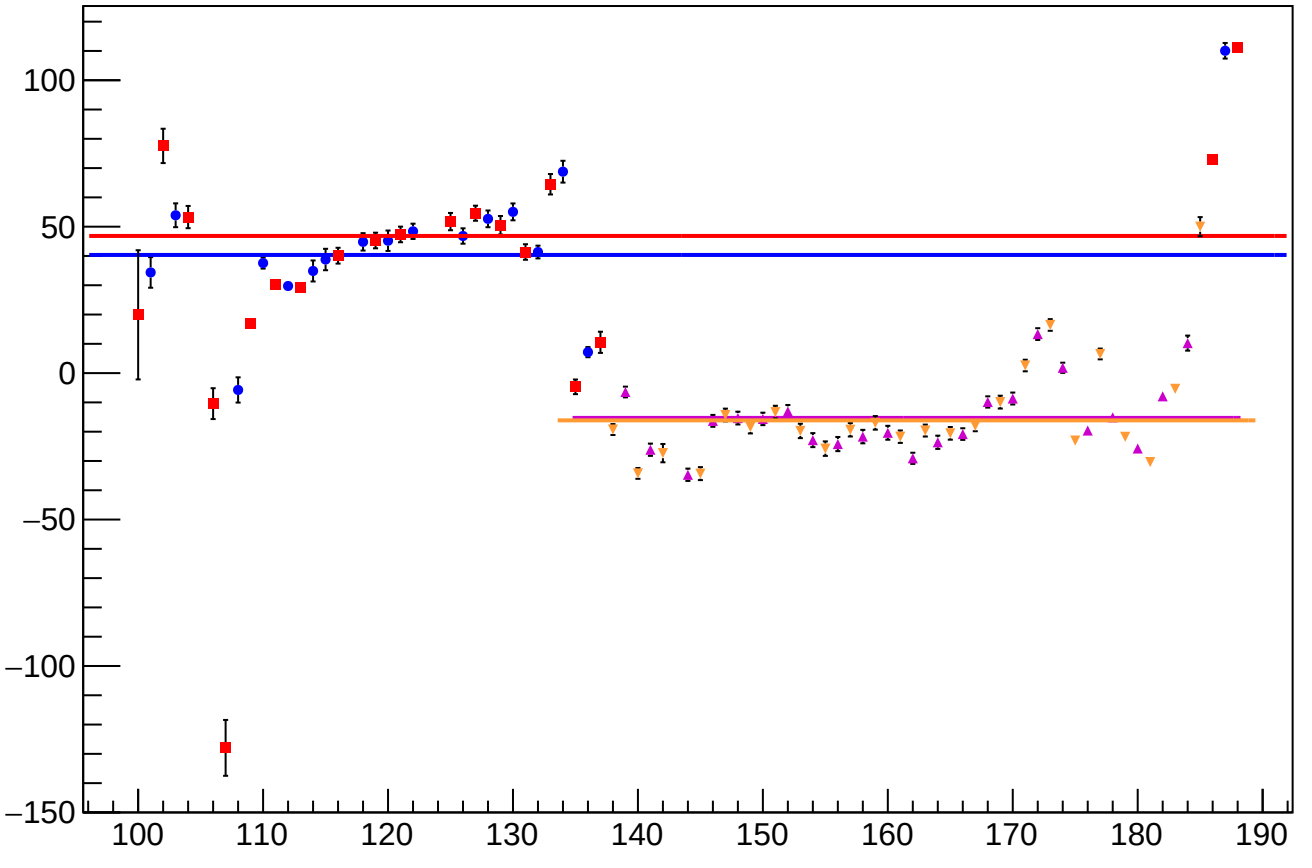
Left: 5.461+/-0.009 χ^2/NDF: 1703993.7/46

Right: -5.570+/-0.022 χ^2/NDF: 718266.9/36

In: 4.213+/-0.012 χ^2/NDF:1374449.3/39

Out: 3.490+/-0.012 χ^2/NDF:1253634.4/43

All: 3.846+/-0.009 χ^2/NDF: 2629867.7/83



Right In: 40.346+/-0.637 χ^2/NDF: 1348.4/16

Left Out: -16.132+/-0.398 χ^2/NDF:1364.9/23

Right Out: 46.835+/-0.551 χ^2/NDF: 3693.3/19

Left In: -15.295+/-0.403 χ^2/NDF:760.9/22

Left: -15.719+/-0.283 χ^2/NDF: 2128.0/46

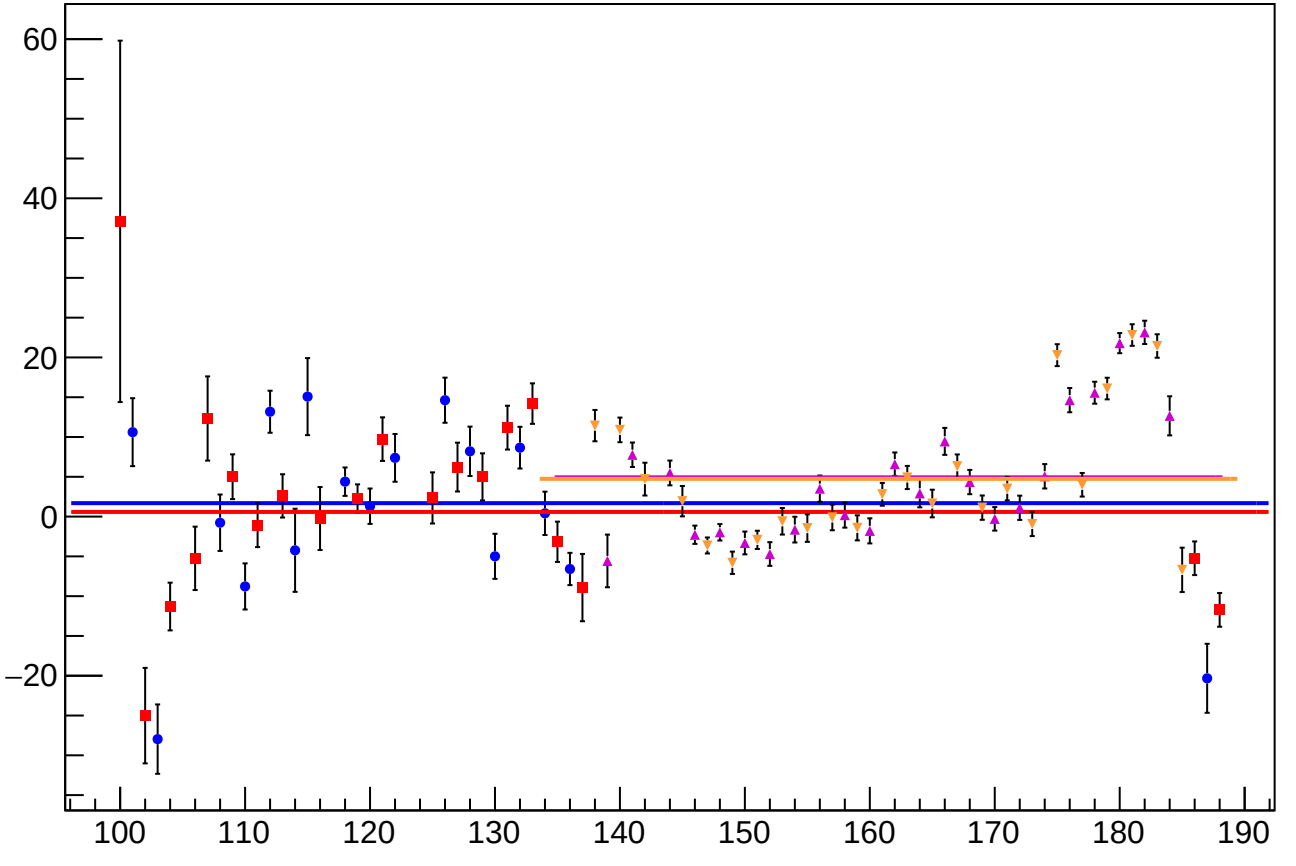
Right: 44.059+/-0.417 χ^2/NDF: 5100.9/36

In: 0.608+/-0.341 χ^2/NDF:7551.9/39

Out: 5.441+/-0.323 χ^2/NDF:13637.9/43

All: 3.157+/-0.234 χ^2/NDF: 21295.9/83

reg_asym_us_dd_atlr_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.689+/-0.692 χ^2/NDF: 178.4/16

Left Out: 4.745+/-0.307 χ^2/NDF:793.8/23

Right Out: 0.586+/-0.645 χ^2/NDF: 156.8/19

Left In: 4.935+/-0.313 χ^2/NDF:688.4/22

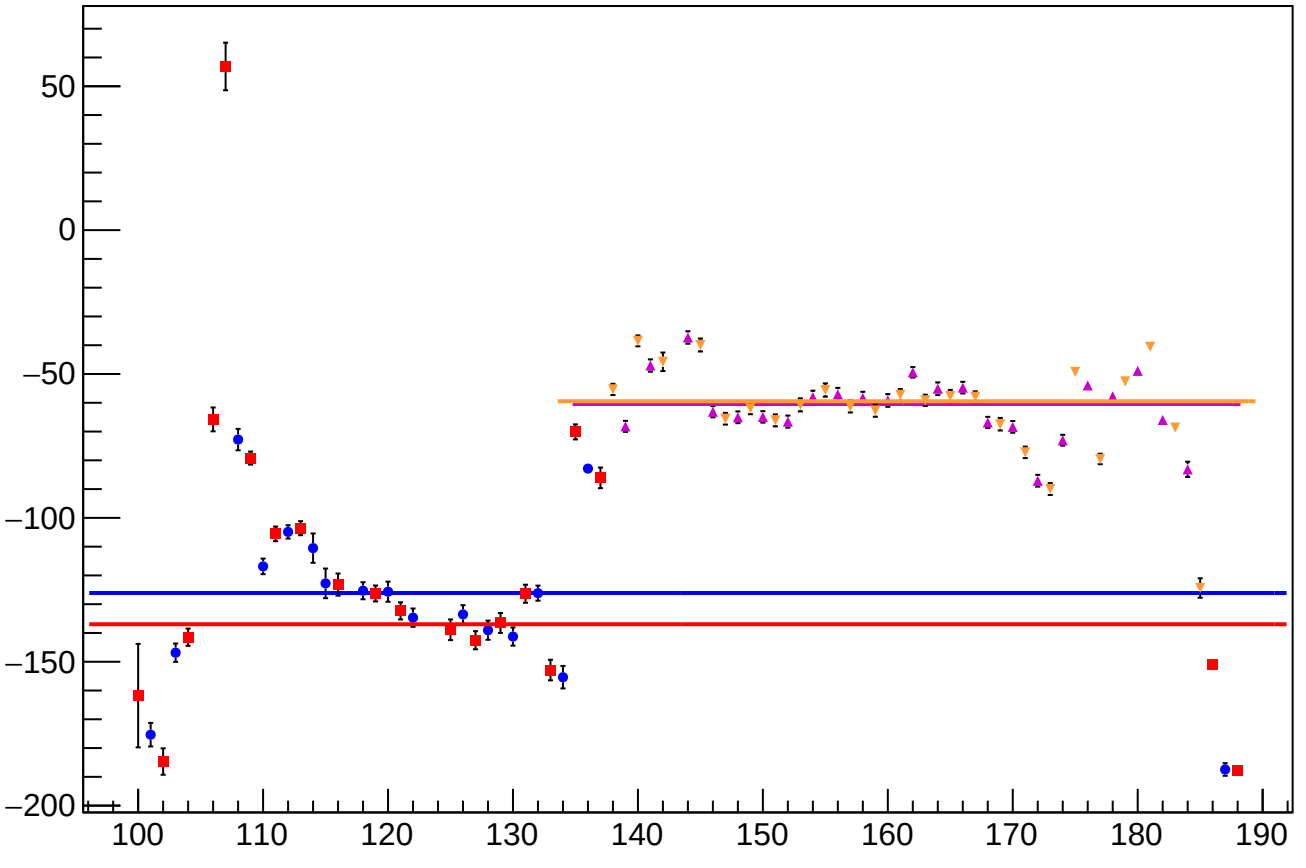
Left: 4.838+/-0.219 χ^2/NDF: 1482.3/46

Right: 1.099+/-0.472 χ^2/NDF: 336.6/36

In: 4.384+/-0.285 χ^2/NDF:885.0/39

Out: 3.980+/-0.277 χ^2/NDF:984.4/43

All: 4.176+/-0.199 χ^2/NDF: 1870.5/83



Right In: -126.108+/-0.715 χ^2/NDF: 1998.2/16

Left Out: -59.480+/-0.395 χ^2/NDF:1372.3/23

Right Out: -136.975+/-0.584 χ^2/NDF: 4701.1/19

Left In: -60.435+/-0.400 χ^2/NDF:668.3/22

Left: -59.952+/-0.281 χ^2/NDF: 2043.4/46

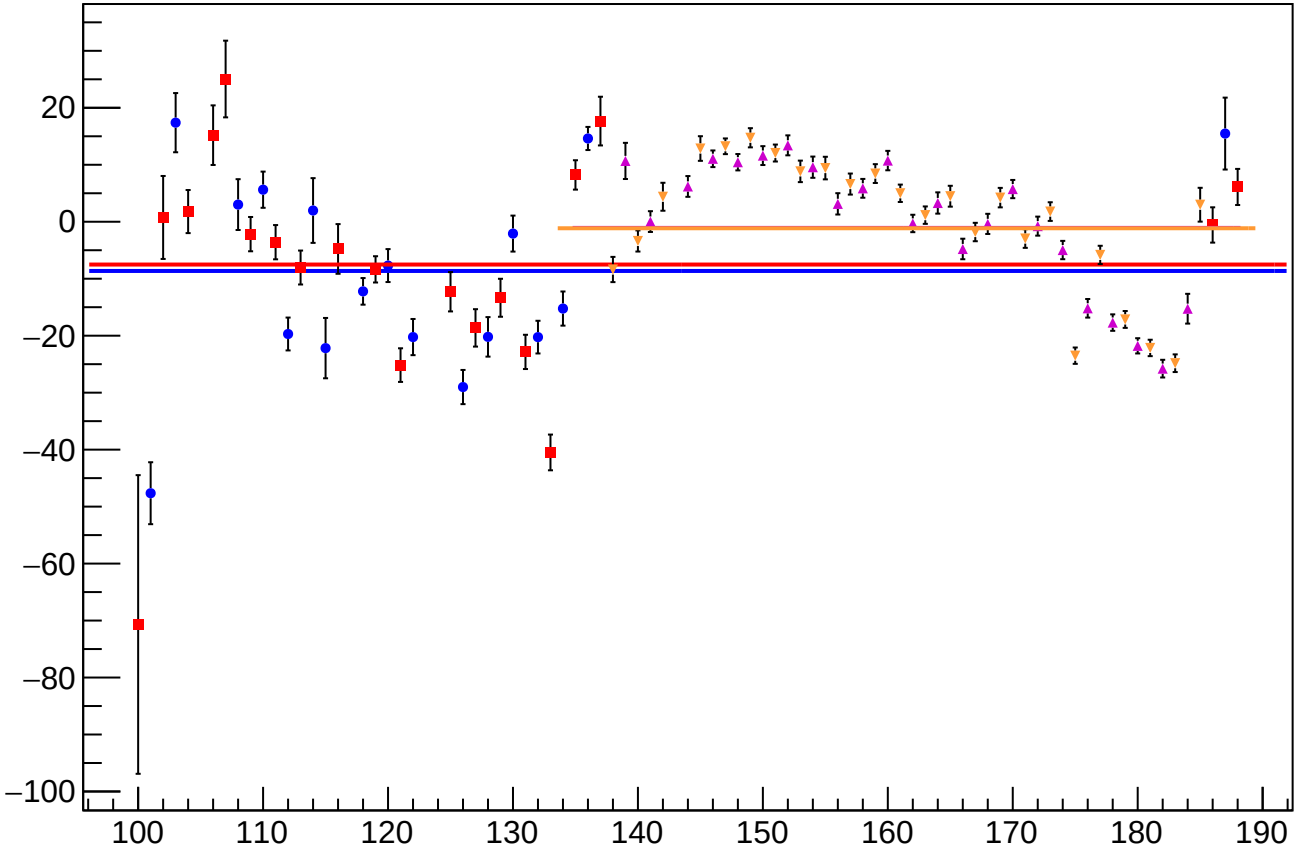
Right: -132.628+/-0.452 χ^2/NDF: 6837.8/36

In: -76.050+/-0.349 χ^2/NDF:9091.5/39

Out: -83.796+/-0.327 χ^2/NDF:18155.1/43

All: -80.171+/-0.239 χ^2/NDF: 27509.0/83

reg_asym_us_dd_atlr_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -8.638+/-0.789 χ^2/NDF: 372.8/16

Left Out: -1.144+/-0.346 χ^2/NDF:1303.0/23

Right Out: -7.512+/-0.761 χ^2/NDF: 345.1/19

Left In: -1.082+/-0.352 χ^2/NDF:1157.4/22

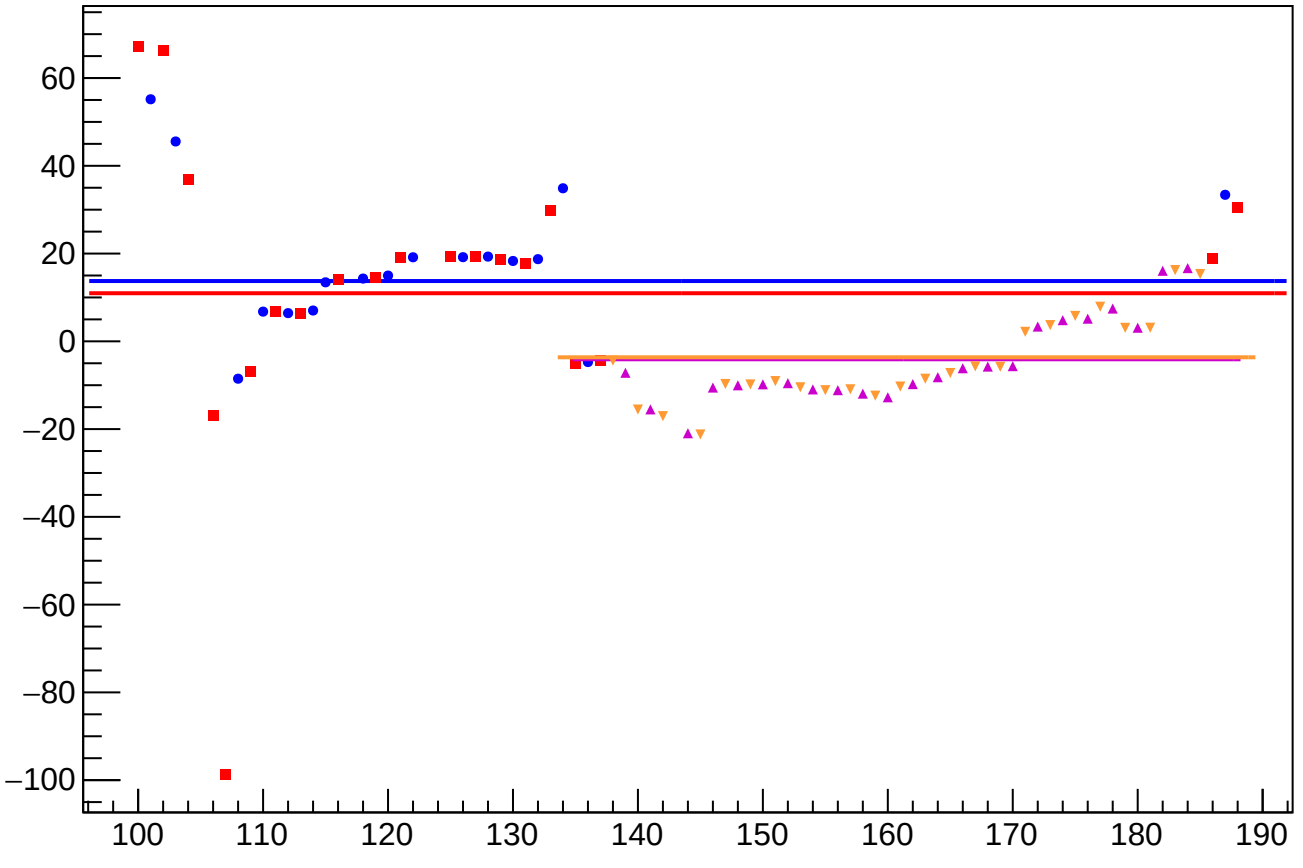
Left: -1.114+/-0.247 χ^2/NDF: 2460.4/46

Right: -8.055+/-0.548 χ^2/NDF: 718.9/36

In: -2.334+/-0.321 χ^2/NDF:1606.7/39

Out: -2.233+/-0.315 χ^2/NDF:1706.1/43

All: -2.282+/-0.225 χ^2/NDF: 3312.8/83



Right In: 13.740+/-0.045 χ^2/NDF: 186901.1/16

Left Out: -3.639+/-0.015 χ^2/NDF:345861.2/23

Right Out: 10.962+/-0.045 χ^2/NDF: 308544.4/19

Left In: -4.091+/-0.016 χ^2/NDF:333287.4/22

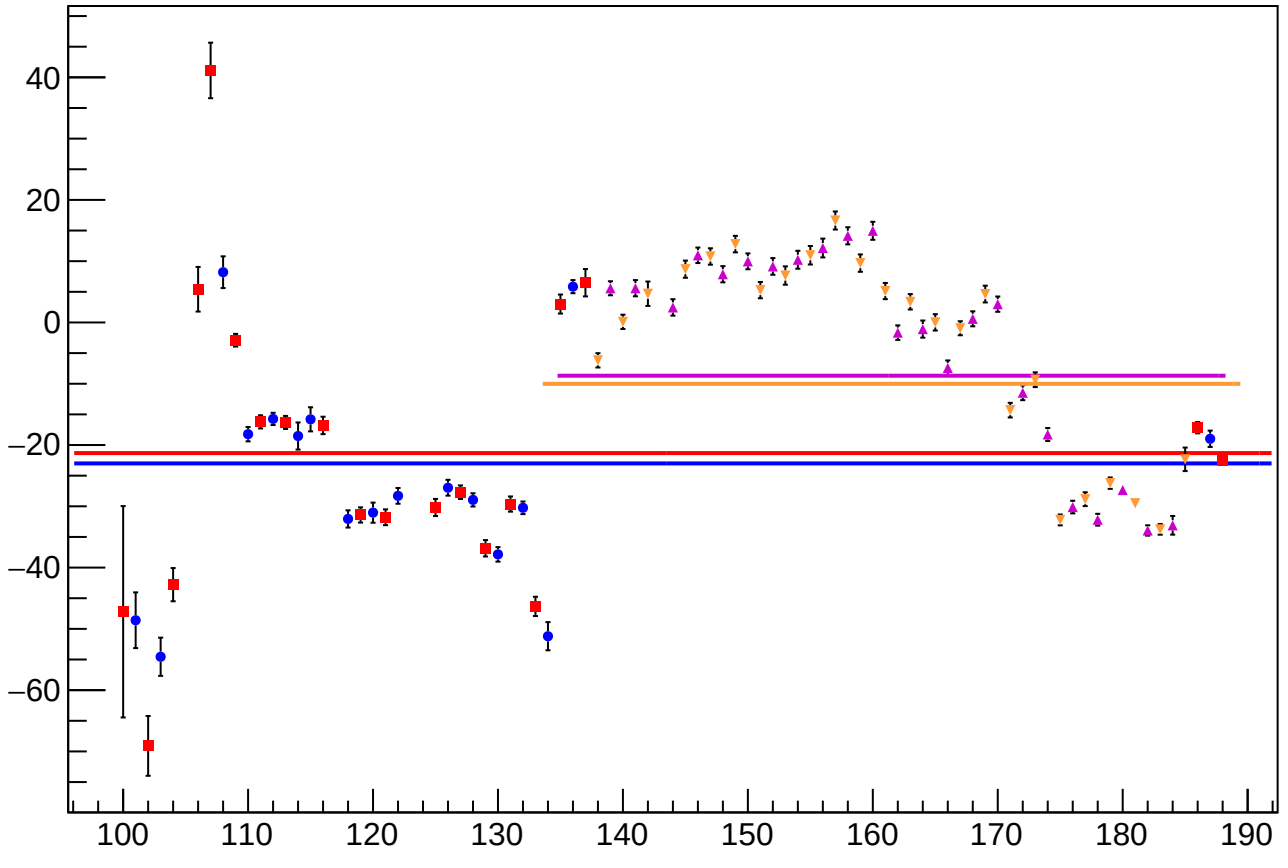
Left: -3.864+/-0.011 χ^2/NDF: 679574.3/46

Right: 12.340+/-0.032 χ^2/NDF: 497373.9/36

In: -2.186+/-0.015 χ^2/NDF:660990.8/39

Out: -2.072+/-0.015 χ^2/NDF:750241.5/43

All: -2.129+/-0.010 χ^2/NDF: 1411262.9/83



Right In: -23.003+/-0.339 χ^2/NDF: 1577.6/16

Left Out: -10.013+/-0.244 χ^2/NDF:4977.5/23

Right Out: -21.314+/-0.299 χ^2/NDF: 1837.2/19

Left In: -8.689+/-0.248 χ^2/NDF:5021.6/22

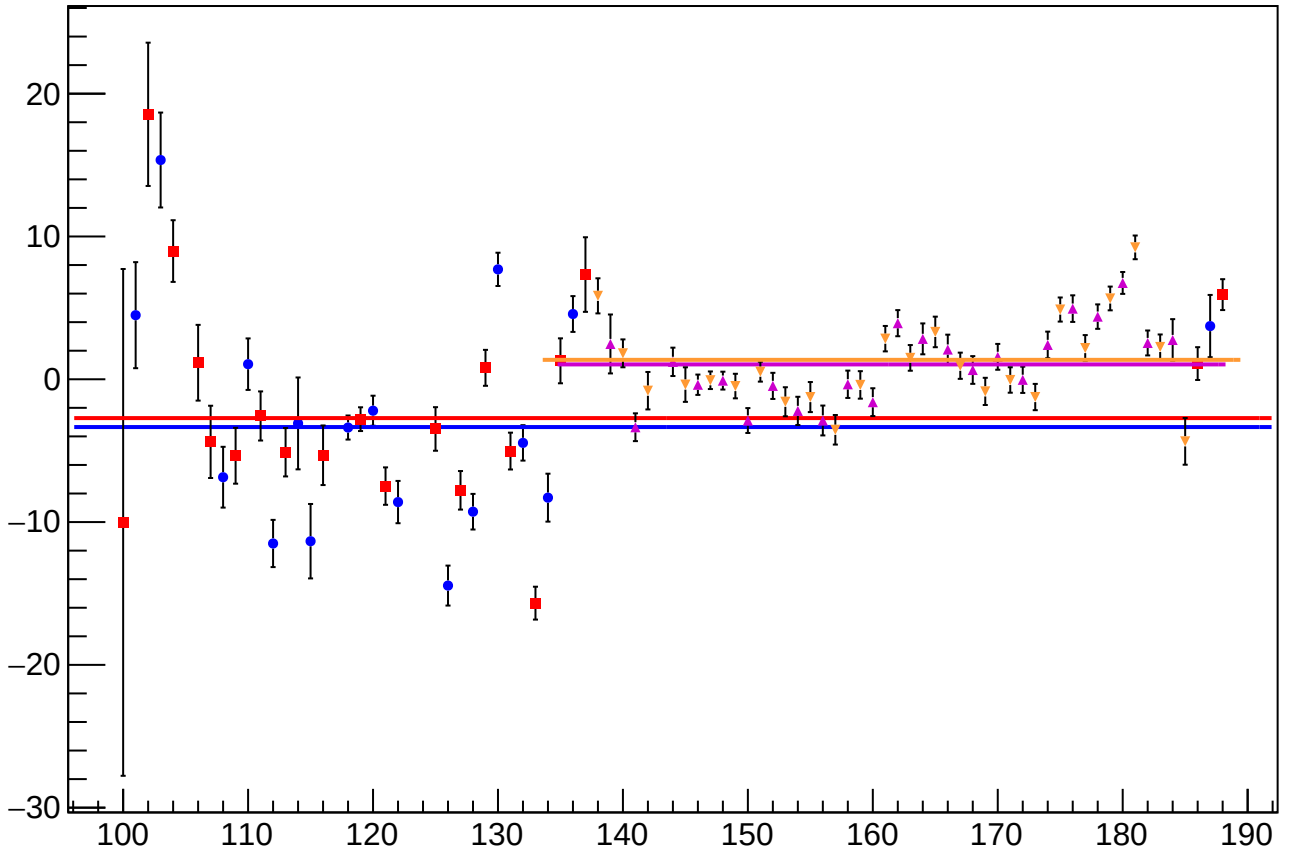
Left: -9.360+/-0.174 χ^2/NDF: 10013.6/46

Right: -22.054+/-0.224 χ^2/NDF: 3428.8/36

In: -13.673+/-0.200 χ^2/NDF:7762.3/39

Out: -14.529+/-0.189 χ^2/NDF:7669.7/43

All: -14.124+/-0.137 χ^2/NDF: 15441.6/83



Right In: -3.346+/-0.358 χ^2/NDF: 327.6/16

Left Out: 1.361+/-0.188 χ^2/NDF:240.3/23

Right Out: -2.718+/-0.335 χ^2/NDF: 317.0/19

Left In: 1.041+/-0.192 χ^2/NDF:196.1/22

Left: 1.204+/-0.135 χ^2/NDF: 437.8/46

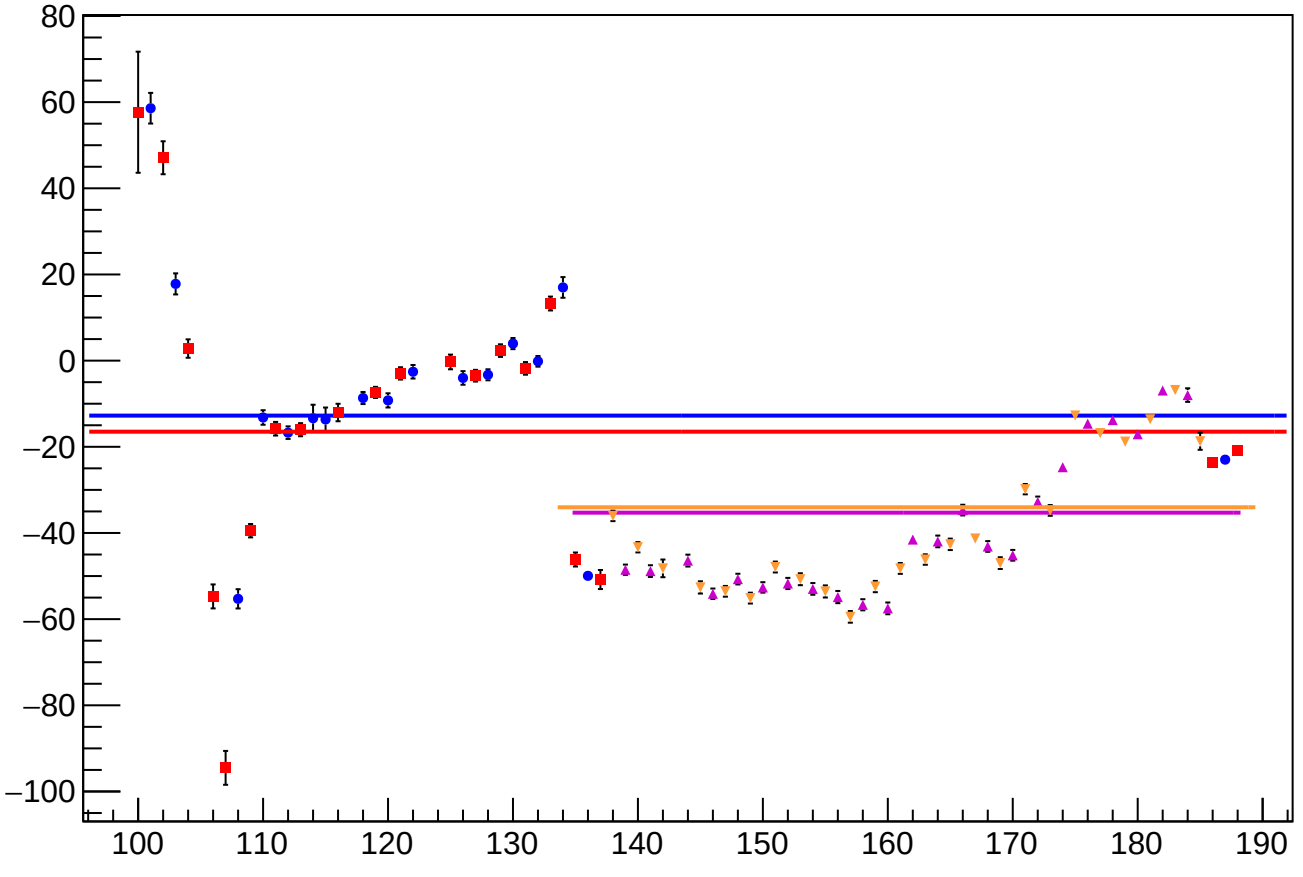
Right: -3.012+/-0.245 χ^2/NDF: 646.2/36

In: 0.057+/-0.169 χ^2/NDF:640.3/39

Out: 0.383+/-0.164 χ^2/NDF:669.8/43

All: 0.225+/-0.118 χ^2/NDF: 1312.0/83

reg_asym_us_dd_atlr_dd_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -12.759+/-0.380 χ^2/NDF: 2760.8/16

Left Out: -34.036+/-0.243 χ^2/NDF:4965.7/23

Right Out: -16.491+/-0.312 χ^2/NDF: 2840.8/19

Left In: -35.285+/-0.245 χ^2/NDF:4998.0/22

Left: -34.653+/-0.173 χ^2/NDF: 9976.8/46

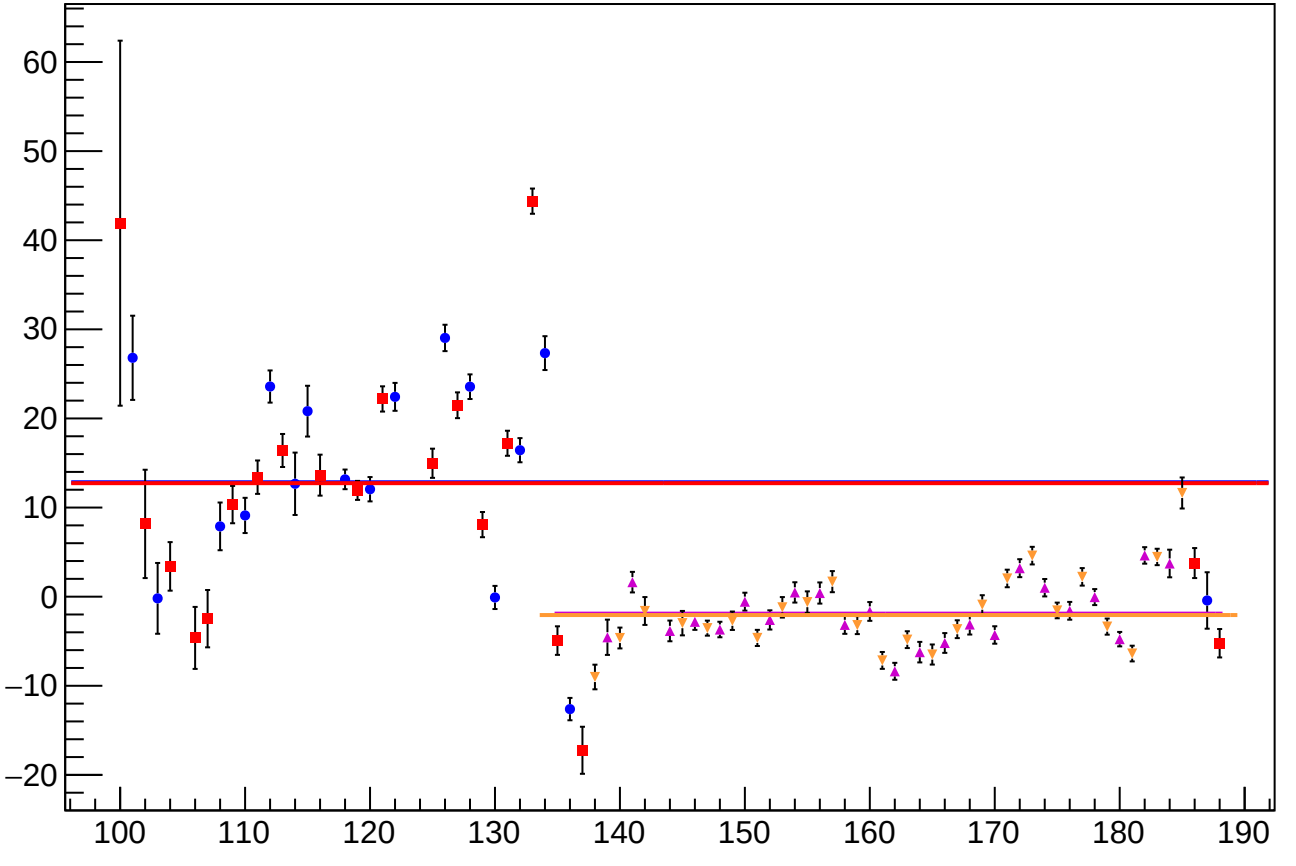
Right: -14.991+/-0.241 χ^2/NDF: 5659.2/36

In: -28.664+/-0.206 χ^2/NDF:10234.8/39

Out: -27.425+/-0.191 χ^2/NDF:9778.3/43

All: -27.999+/-0.140 χ^2/NDF: 20032.5/83

reg_asym_us_dd_atlr_dd_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 12.839+/-0.411 χ^2/NDF: 881.2/16

Left Out: -2.062+/-0.212 χ^2/NDF:332.4/23

Right Out: 12.738+/-0.397 χ^2/NDF: 1077.0/19

Left In: -1.905+/-0.216 χ^2/NDF:222.1/22

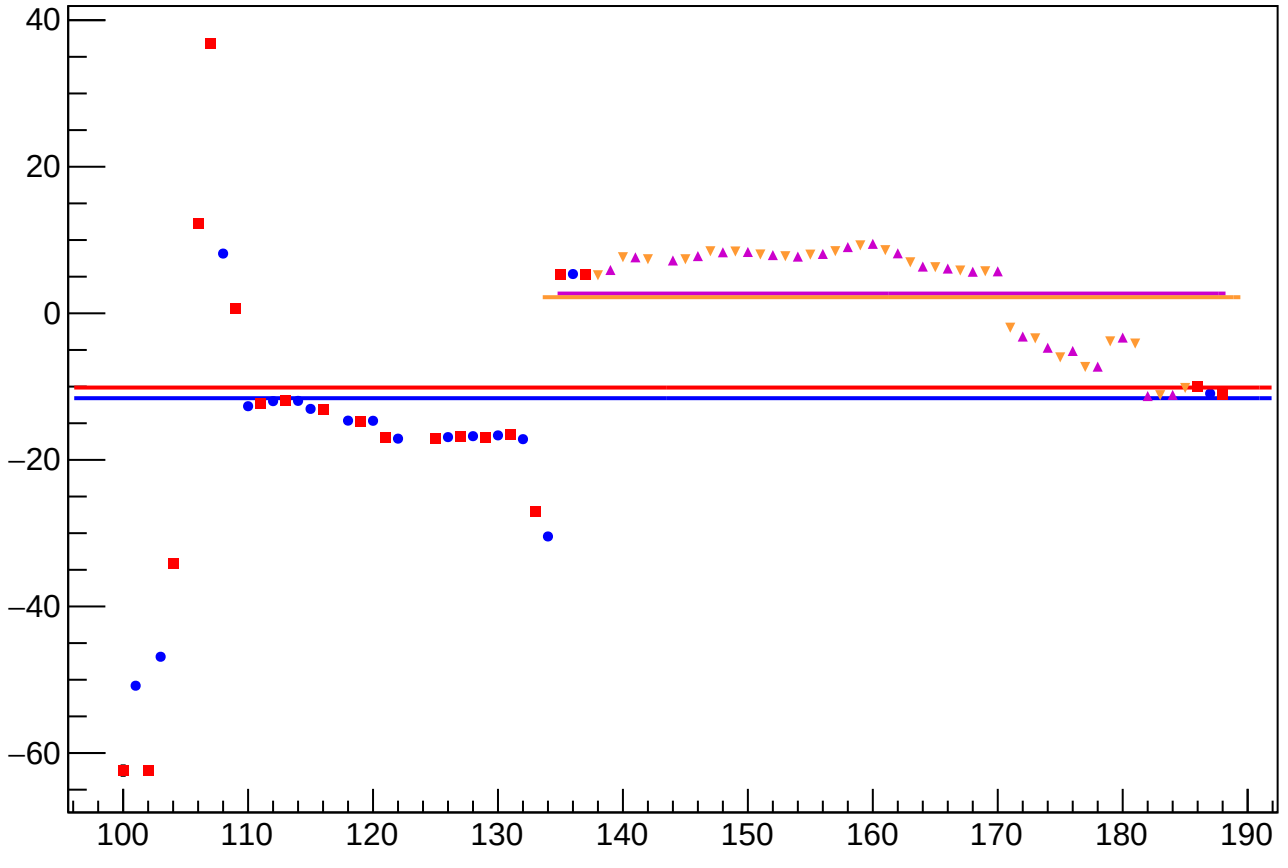
Left: -1.985+/-0.151 χ^2/NDF: 554.7/46

Right: 12.786+/-0.286 χ^2/NDF: 1958.3/36

In: 1.288+/-0.191 χ^2/NDF:2110.5/39

Out: 1.229+/-0.187 χ^2/NDF:2490.6/43

All: 1.258+/-0.134 χ^2/NDF: 4601.1/83



Right In: -11.581+/-0.026 χ^2/NDF: 360537.0/16

Left Out: 2.198+/-0.009 χ^2/NDF:508502.1/23

Right Out: -10.129+/-0.025 χ^2/NDF: 396463.4/19

Left In: 2.694+/-0.010 χ^2/NDF:498824.3/22

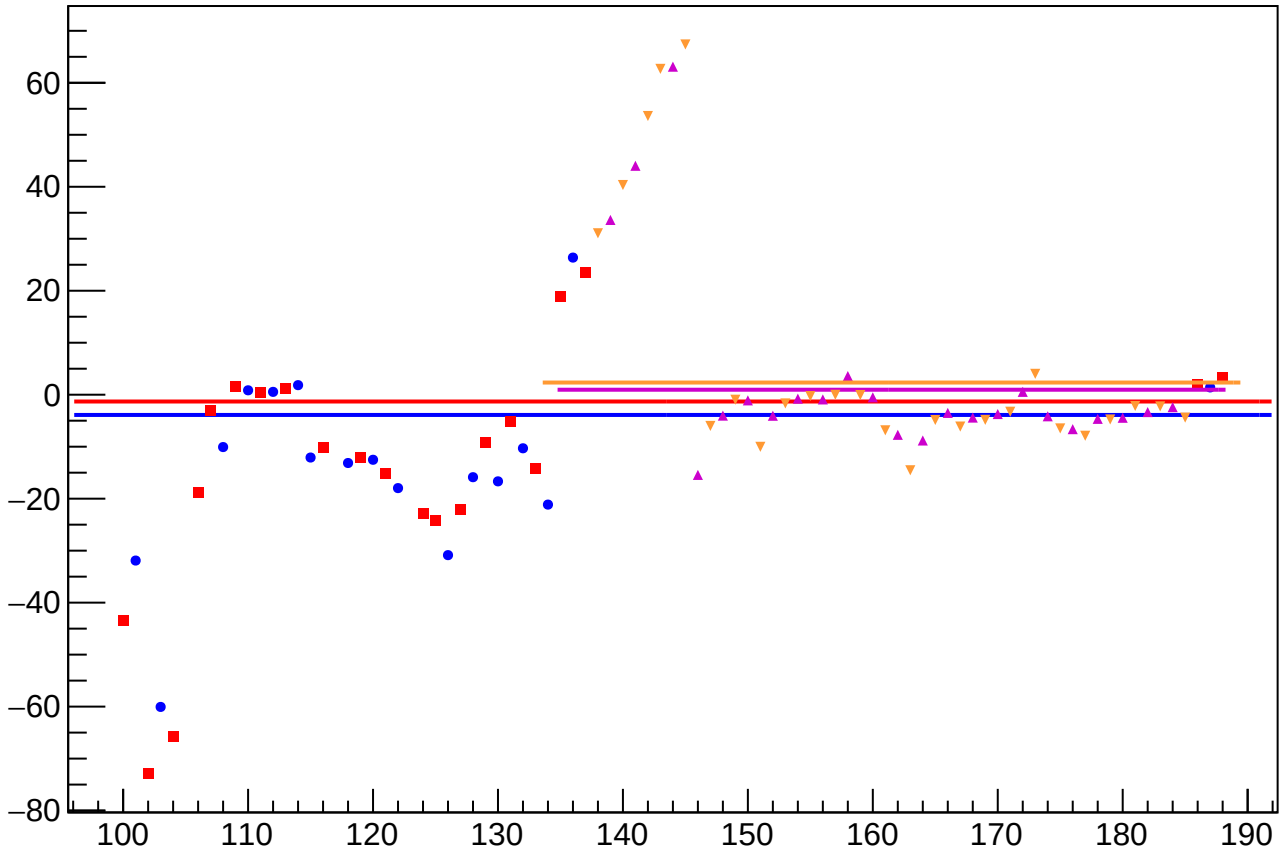
Left: 2.445+/-0.007 χ^2/NDF: 1008683.1/46

Right: -10.833+/-0.018 χ^2/NDF: 758606.5/36

In: 0.998+/-0.009 χ^2/NDF:1124741.7/39

Out: 0.669+/-0.009 χ^2/NDF:1113975.1/43

All: 0.832+/-0.006 χ^2/NDF: 2239393.2/83



Right In: -3.894+/-0.053 χ^2/NDF: 75728.2/16

Left Out: 2.341+/-0.040 χ^2/NDF:176986.1/24

Right Out: -1.308+/-0.041 χ^2/NDF: 83506.1/20

Left In: 0.957+/-0.040 χ^2/NDF:132519.8/22

Left: 1.643+/-0.028 χ^2/NDF: 310101.9/47

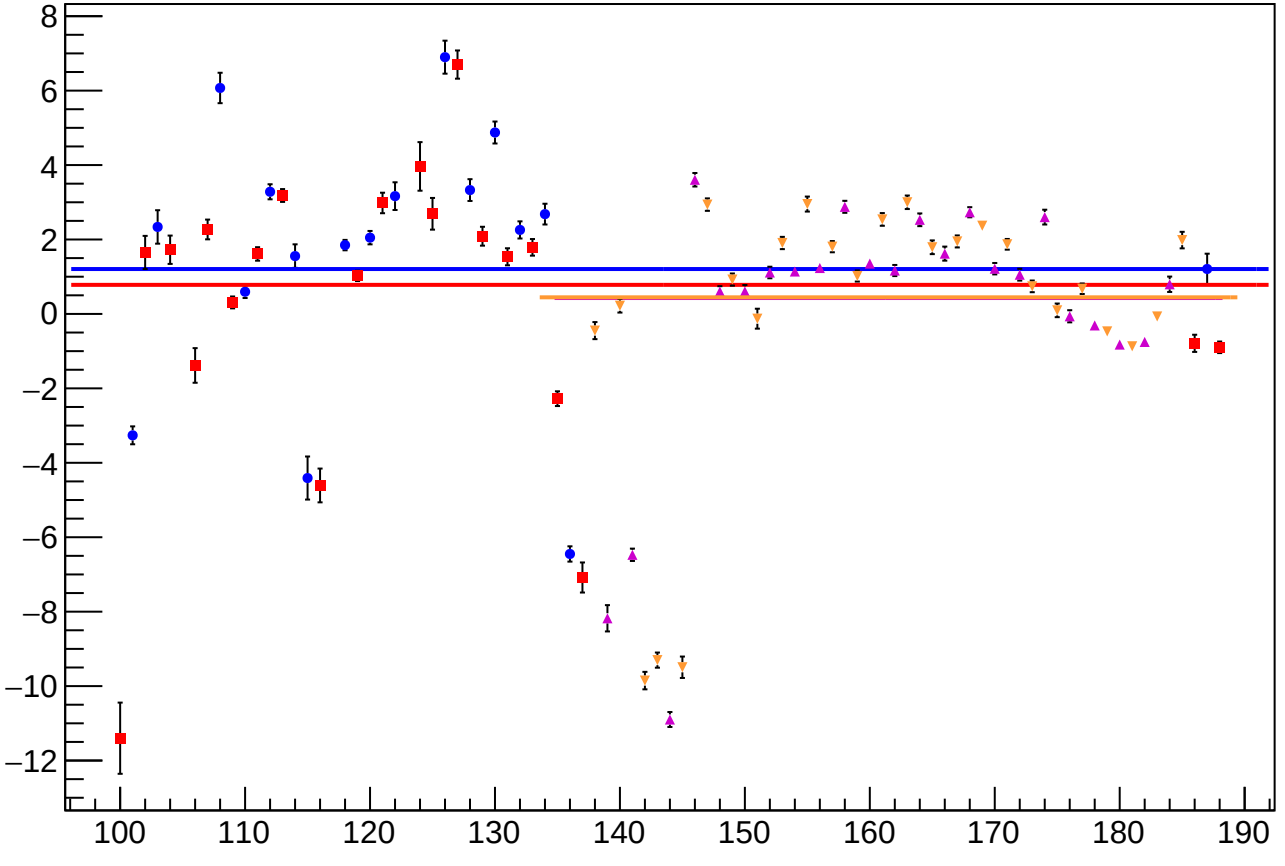
Right: -2.274+/-0.033 χ^2/NDF: 160701.6/37

In: -0.781+/-0.032 χ^2/NDF:213537.5/39

Out: 0.562+/-0.029 χ^2/NDF:264497.6/45

All: -0.040+/-0.021 χ^2/NDF: 479008.4/85

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.206+/-0.060 χ^2/NDF: 2584.4/16

Left Out: 0.446+/-0.033 χ^2/NDF:7044.3/24

Right Out: 0.781+/-0.052 χ^2/NDF: 1782.7/20

Left In: 0.427+/-0.031 χ^2/NDF:7102.3/22

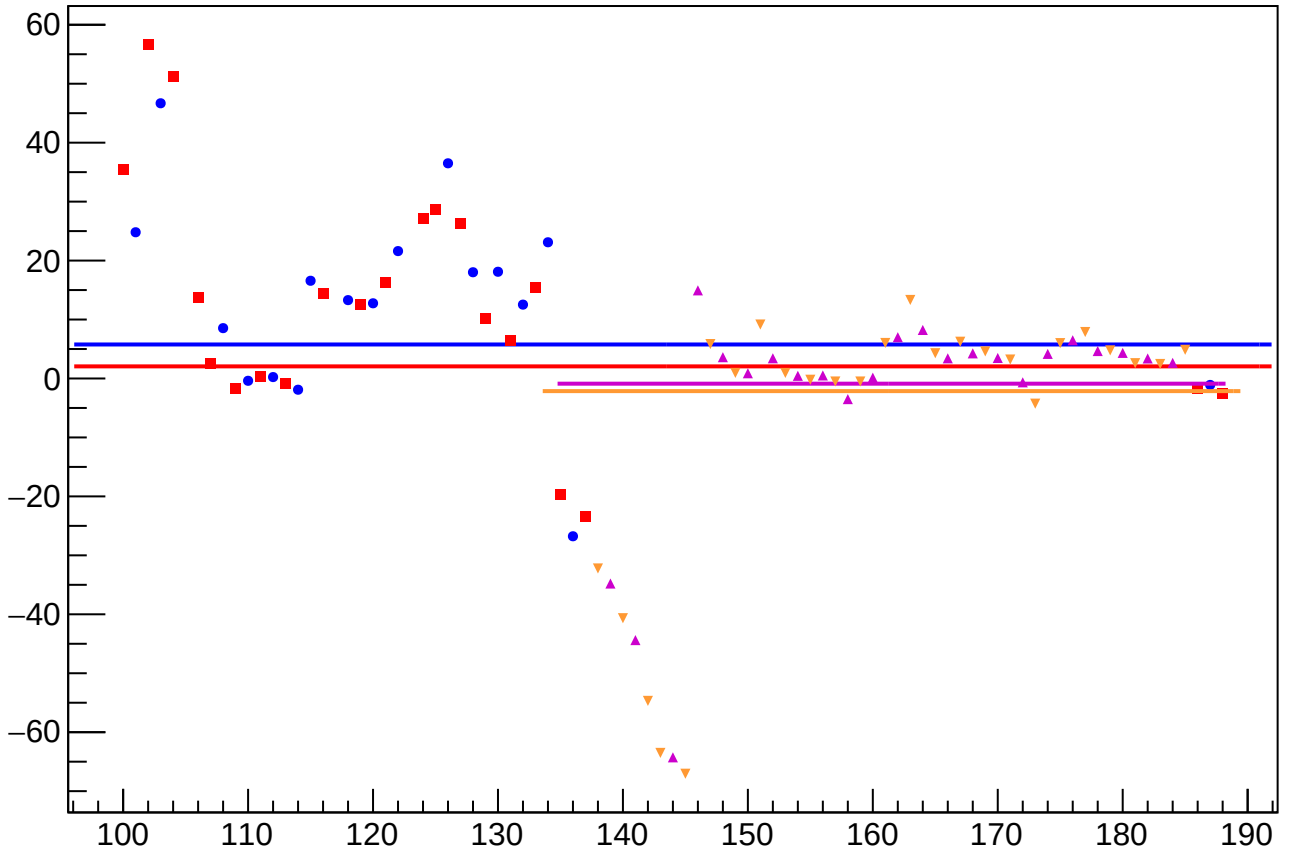
Left: 0.436+/-0.023 χ^2/NDF: 14146.8/47

Right: 0.965+/-0.039 χ^2/NDF: 4395.7/37

In: 0.596+/-0.028 χ^2/NDF:9819.7/39

Out: 0.541+/-0.028 χ^2/NDF:8856.4/45

All: 0.568+/-0.020 χ^2/NDF: 18678.1/85



Right In: 5.768+/-0.062 χ^2/NDF: 71886.0/16

Left Out: -2.143+/-0.040 χ^2/NDF:171271.2/24

Right Out: 2.054+/-0.046 χ^2/NDF: 81073.5/20

Left In: -0.881+/-0.039 χ^2/NDF:129197.8/22

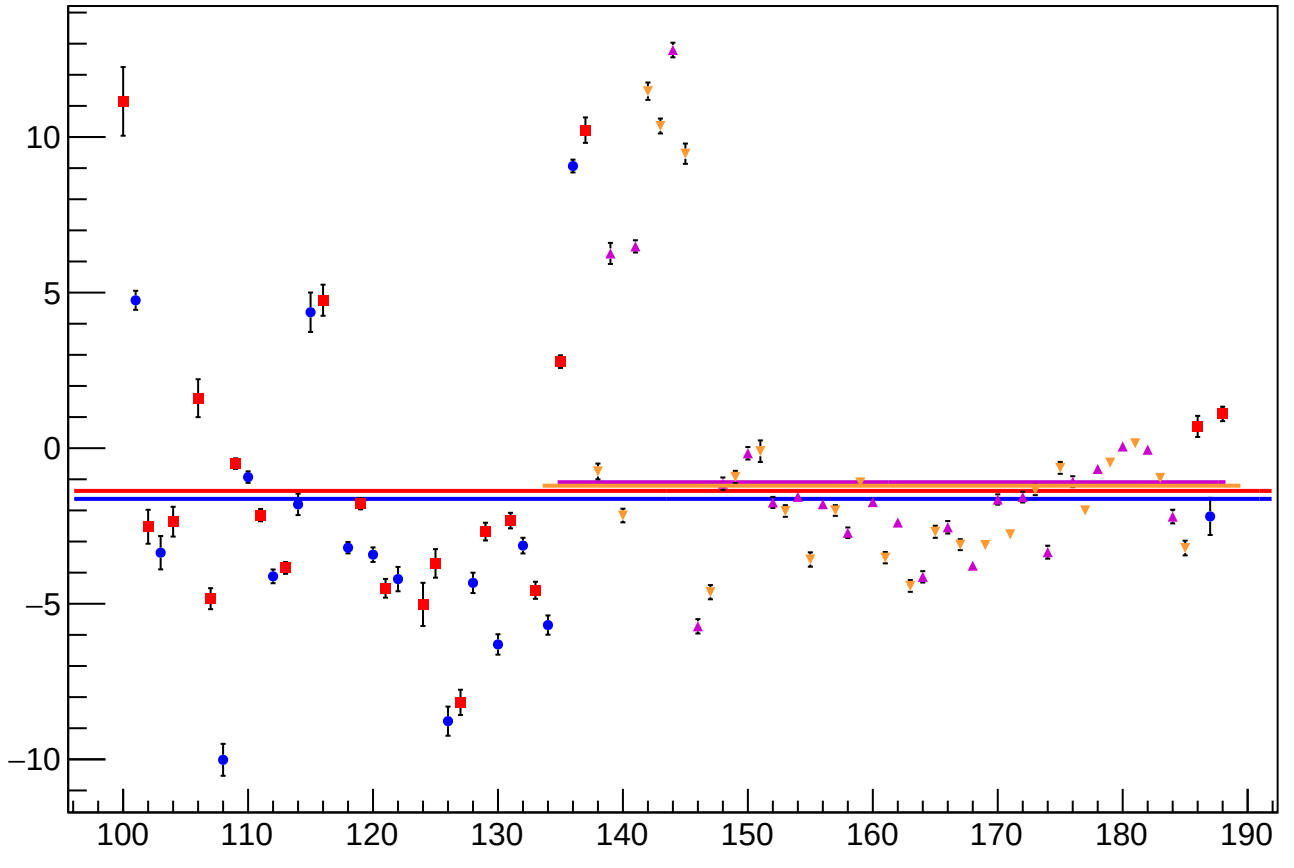
Left: -1.498+/-0.028 χ^2/NDF: 300971.3/47

Right: 3.378+/-0.037 χ^2/NDF: 155255.8/37

In: 1.020+/-0.033 χ^2/NDF:209249.4/39

Out: -0.335+/-0.030 χ^2/NDF:257026.4/45

All: 0.281+/-0.022 χ^2/NDF: 467181.5/85



Right In: -1.629+/-0.069 χ^2/NDF: 4526.2/16

Left Out: -1.206+/-0.036 χ^2/NDF:7003.0/24

Right Out: -1.373+/-0.061 χ^2/NDF: 2630.6/20

Left In: -1.094+/-0.035 χ^2/NDF:7029.2/22

Left: -1.147+/-0.025 χ^2/NDF: 14037.2/47

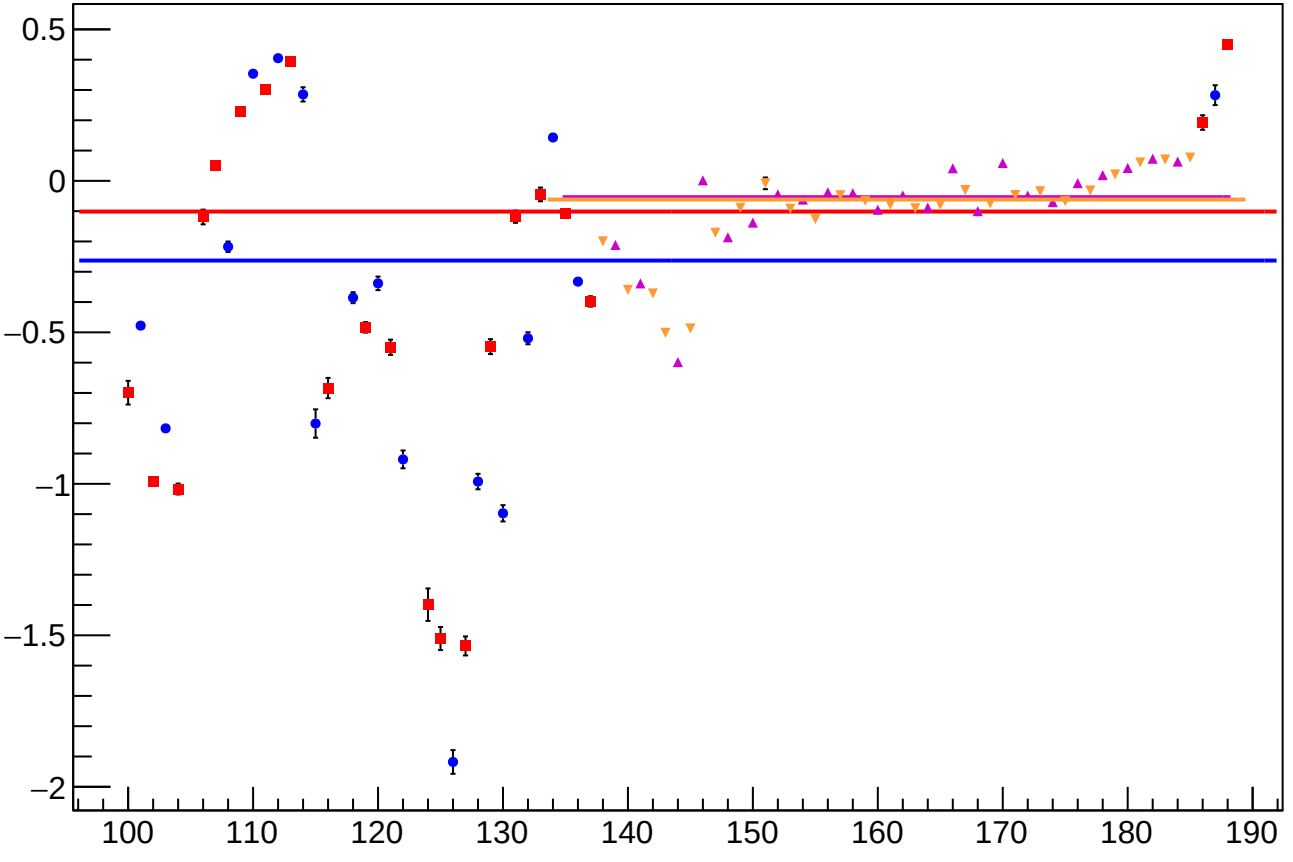
Right: -1.486+/-0.046 χ^2/NDF: 7164.5/37

In: -1.202+/-0.031 χ^2/NDF:11603.2/39

Out: -1.249+/-0.031 χ^2/NDF:9639.1/45

All: -1.226+/-0.022 χ^2/NDF: 21243.5/85

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.263+/-0.004 χ^2/NDF: 12330.0/16

Left Out: -0.062+/-0.002 χ^2/NDF:5711.9/24

Right Out: -0.101+/-0.004 χ^2/NDF: 18054.7/20

Left In: -0.054+/-0.001 χ^2/NDF:5029.9/22

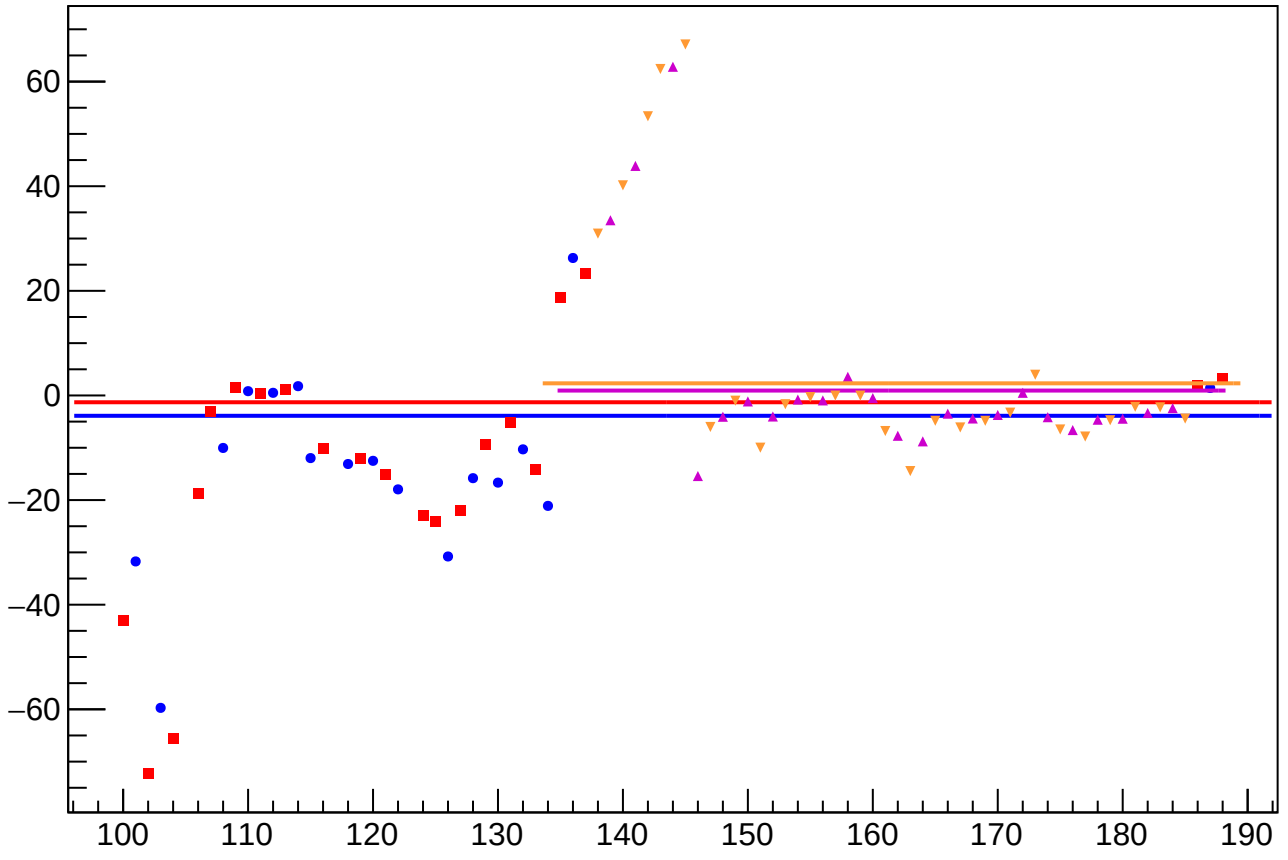
Left: -0.058+/-0.001 χ^2/NDF: 10754.7/47

Right: -0.171+/-0.003 χ^2/NDF: 31261.9/37

In: -0.078+/-0.001 χ^2/NDF:19634.6/39

Out: -0.068+/-0.001 χ^2/NDF:23869.0/45

All: -0.073+/-0.001 χ^2/NDF: 43528.1/85



Right In: -3.888+/-0.053 χ^2/NDF: 75711.8/16

Left Out: 2.318+/-0.040 χ^2/NDF:176746.3/24

Right Out: -1.301+/-0.041 χ^2/NDF: 83463.4/20

Left In: 0.935+/-0.040 χ^2/NDF:132405.3/22

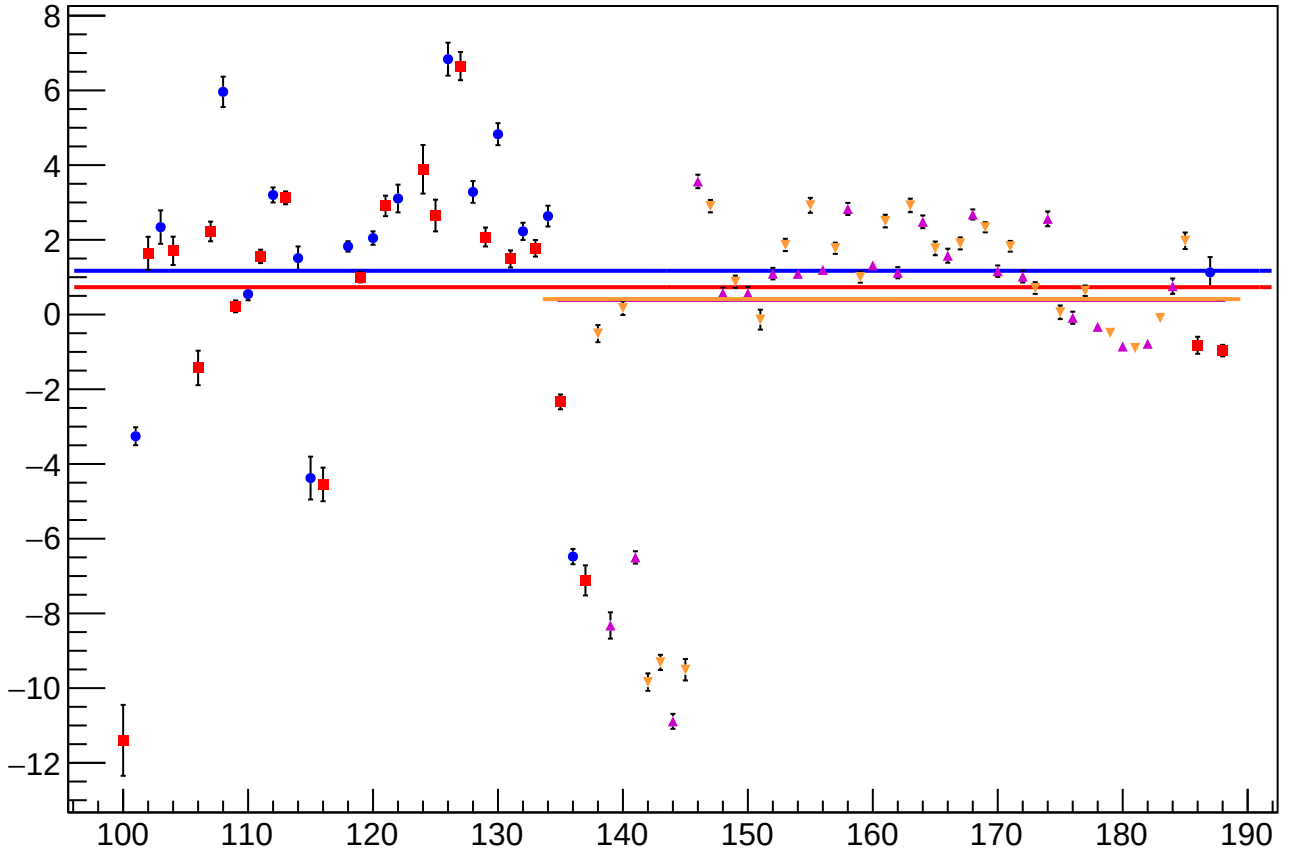
Left: 1.621+/-0.028 χ^2/NDF: 309750.0/47

Right: -2.266+/-0.032 χ^2/NDF: 160663.7/37

In: -0.801+/-0.032 χ^2/NDF:213398.0/39

Out: 0.546+/-0.029 χ^2/NDF:264191.4/45

All: -0.057+/-0.021 χ^2/NDF: 478576.3/85



Right In: 1.171+/-0.059 χ^2/NDF: 2584.5/16

Left Out: 0.414+/-0.033 χ^2/NDF:7047.2/24

Right Out: 0.733+/-0.052 χ^2/NDF: 1798.9/20

Left In: 0.389+/-0.031 χ^2/NDF:7114.2/22

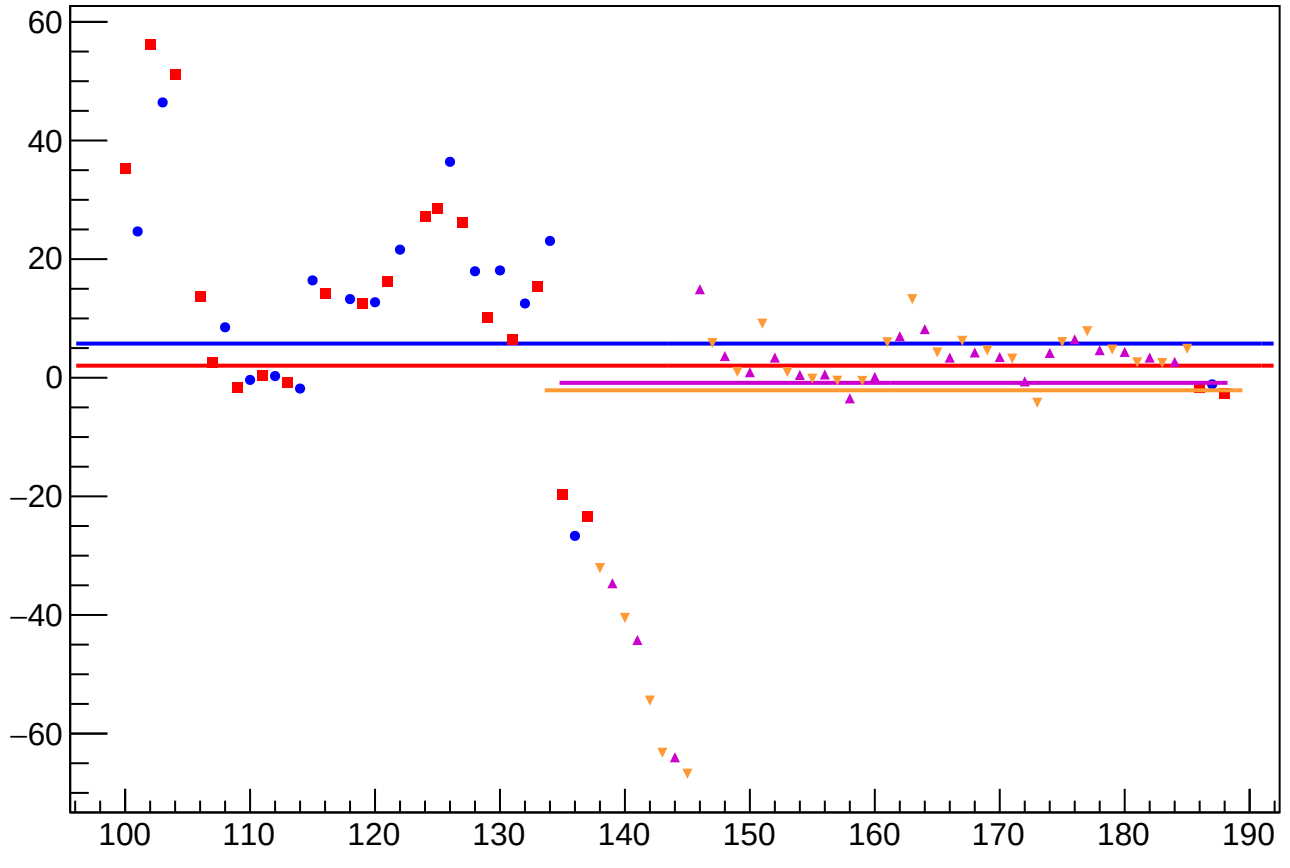
Left: 0.401+/-0.023 χ^2/NDF: 14161.7/47

Right: 0.923+/-0.039 χ^2/NDF: 4414.3/37

In: 0.559+/-0.028 χ^2/NDF:9834.1/39

Out: 0.504+/-0.028 χ^2/NDF:8873.1/45

All: 0.532+/-0.020 χ^2/NDF: 18709.1/85



Right In: 5.759+/-0.062 χ^2/NDF: 71856.5/16

Left Out: -2.119+/-0.040 χ^2/NDF:171039.7/24

Right Out: 2.035+/-0.046 χ^2/NDF: 81041.9/20

Left In: -0.859+/-0.039 χ^2/NDF:129084.9/22

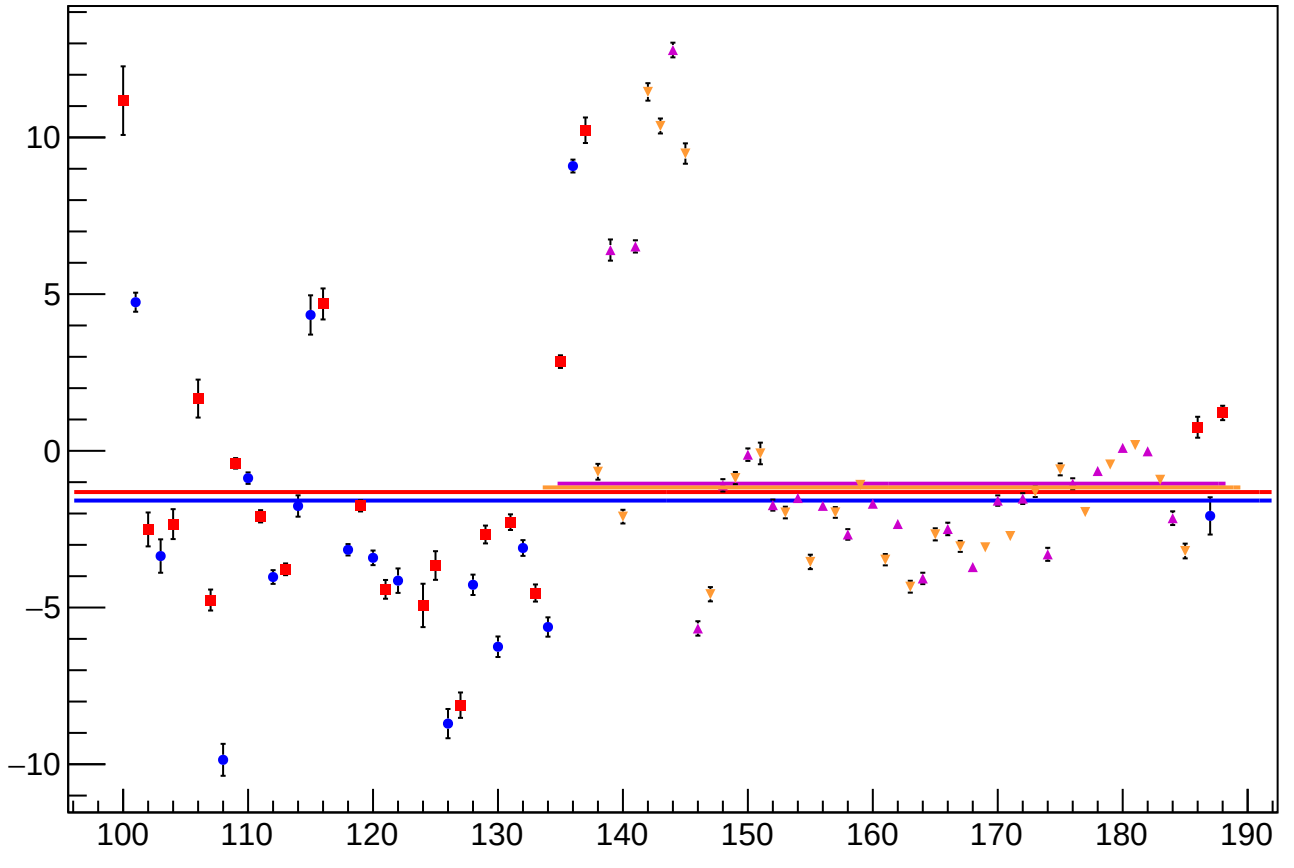
Left: -1.475+/-0.028 χ^2/NDF: 300629.4/47

Right: 3.358+/-0.037 χ^2/NDF: 155235.7/37

In: 1.041+/-0.033 χ^2/NDF:209103.7/39

Out: -0.320+/-0.030 χ^2/NDF:256725.1/45

All: 0.297+/-0.022 χ^2/NDF: 466749.9/85



Right In: -1.586+/-0.069 χ^2/NDF: 4524.9/16

Left Out: -1.167+/-0.036 χ^2/NDF:7001.4/24

Right Out: -1.315+/-0.061 χ^2/NDF: 2649.6/20

Left In: -1.048+/-0.035 χ^2/NDF:7040.7/22

Left: -1.105+/-0.025 χ^2/NDF: 14047.8/47

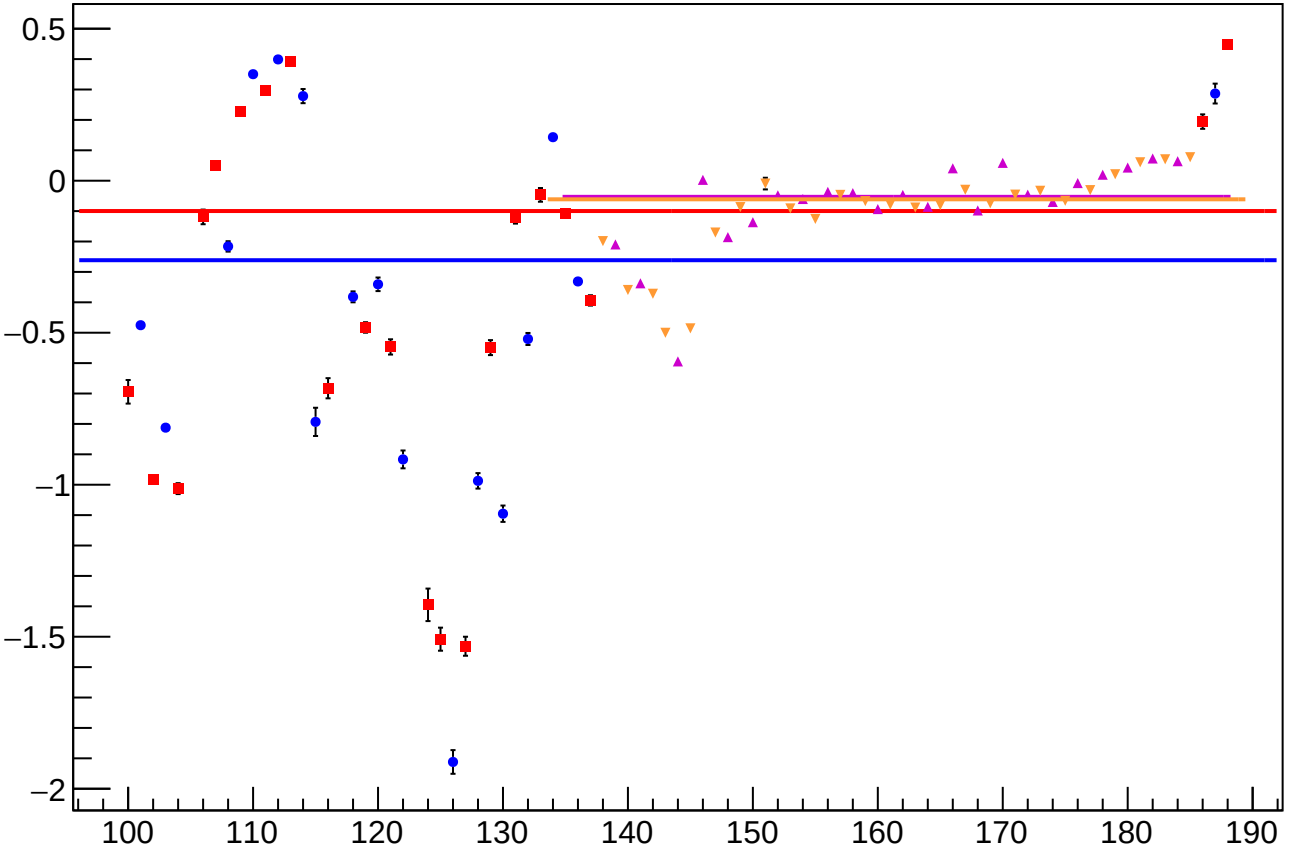
Right: -1.434+/-0.046 χ^2/NDF: 7183.2/37

In: -1.158+/-0.031 χ^2/NDF:11614.5/39

Out: -1.206+/-0.031 χ^2/NDF:9655.3/45

All: -1.182+/-0.022 χ^2/NDF: 21271.0/85

reg_asym_bcm_an_ds_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.262+/-0.004 χ^2/NDF: 12322.4/16

Left Out: -0.061+/-0.002 χ^2/NDF:5729.4/24

Right Out: -0.100+/-0.004 χ^2/NDF: 18093.5/20

Left In: -0.053+/-0.001 χ^2/NDF:5006.2/22

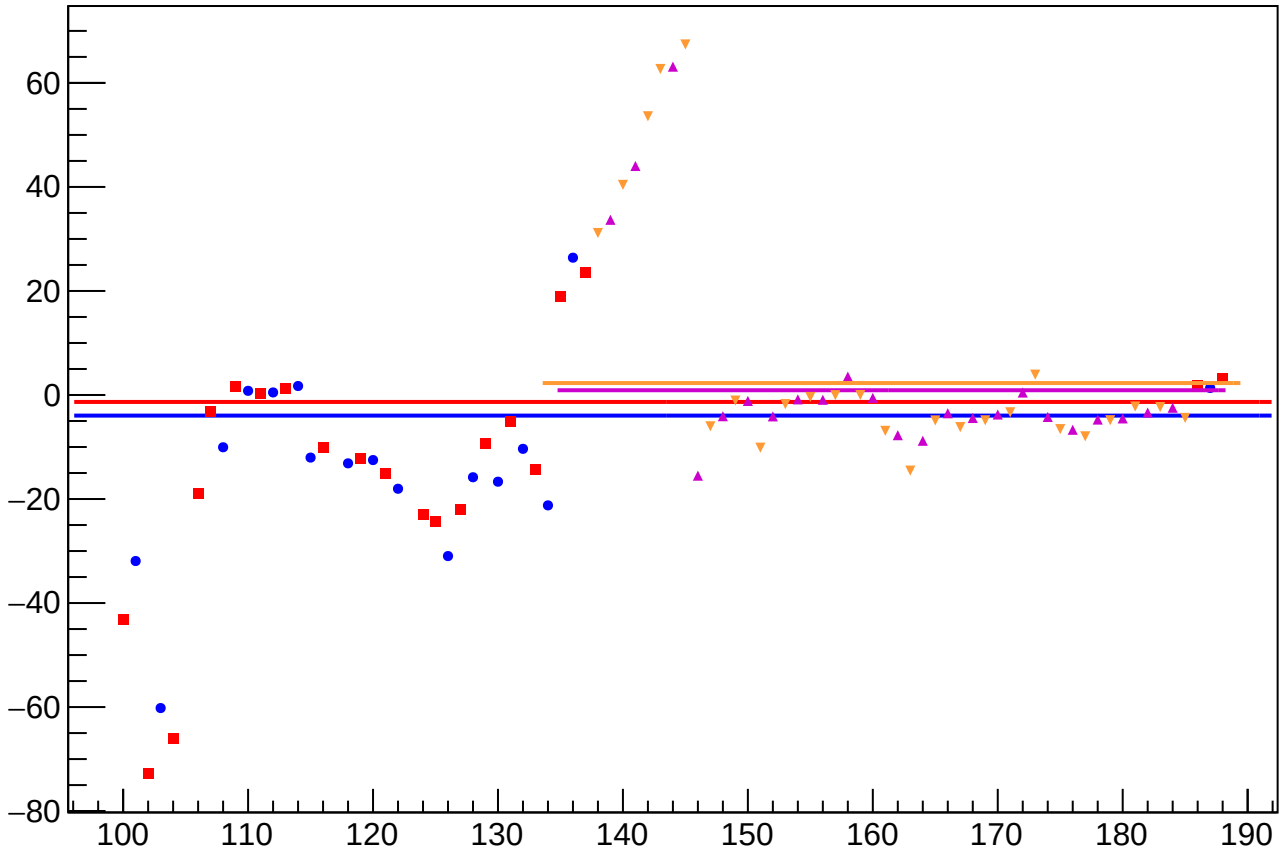
Left: -0.057+/-0.001 χ^2/NDF: 10749.6/47

Right: -0.169+/-0.003 χ^2/NDF: 31303.3/37

In: -0.077+/-0.001 χ^2/NDF:19611.4/39

Out: -0.068+/-0.001 χ^2/NDF:23920.8/45

All: -0.073+/-0.001 χ^2/NDF: 43556.1/85



Right In: -3.962+/-0.053 χ^2/NDF: 75684.4/16

Left Out: 2.296+/-0.040 χ^2/NDF:177186.2/24

Right Out: -1.337+/-0.041 χ^2/NDF: 83494.8/20

Left In: 0.912+/-0.040 χ^2/NDF:132573.8/22

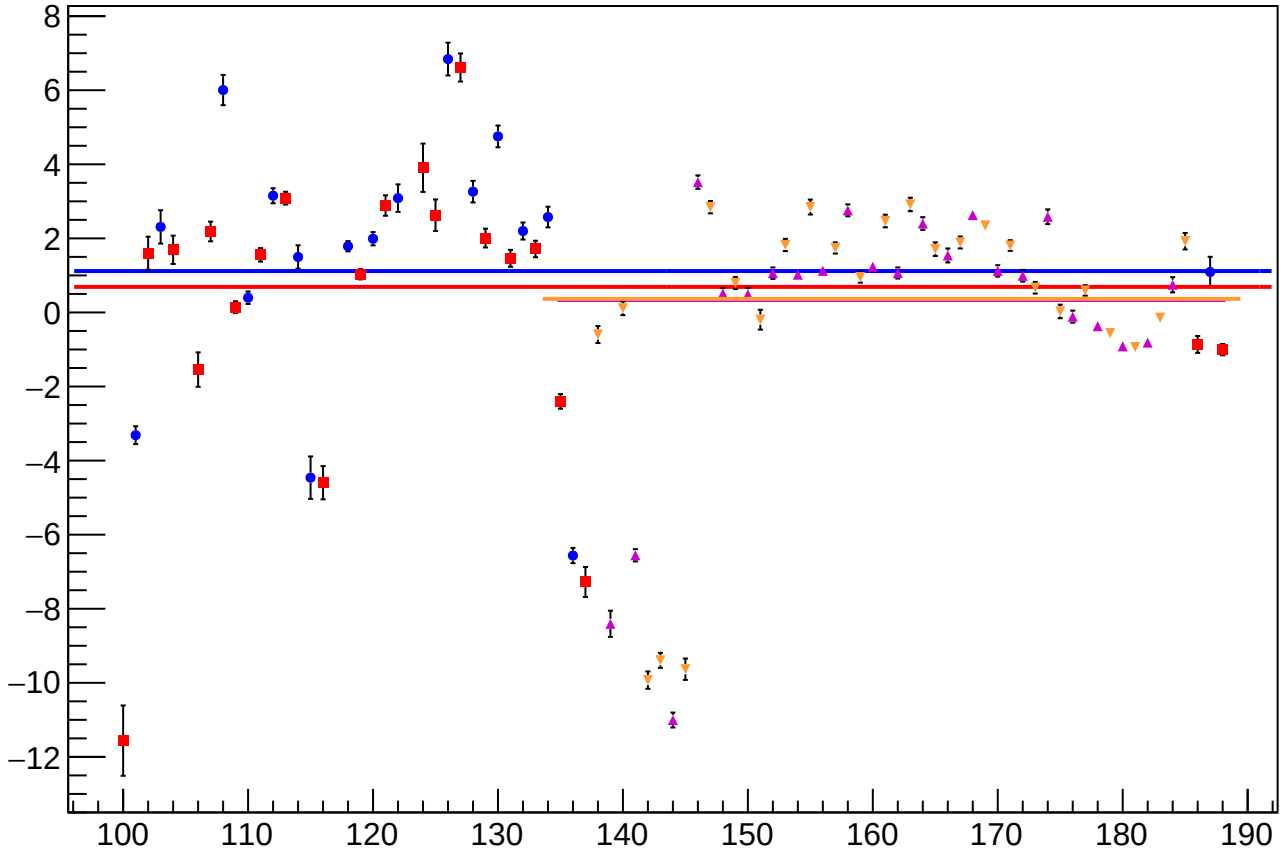
Left: 1.598+/-0.028 χ^2/NDF: 310354.3/47

Right: -2.315+/-0.033 χ^2/NDF: 160692.6/37

In: -0.835+/-0.032 χ^2/NDF:213592.2/39

Out: 0.519+/-0.029 χ^2/NDF:264655.0/45

All: -0.087+/-0.021 χ^2/NDF: 479236.7/85



Right In: 1.118+/-0.060 χ^2/NDF: 2591.7/16

Left Out: 0.368+/-0.033 χ^2/NDF:7068.0/24

Right Out: 0.690+/-0.052 χ^2/NDF: 1814.8/20

Left In: 0.337+/-0.031 χ^2/NDF:7094.3/22

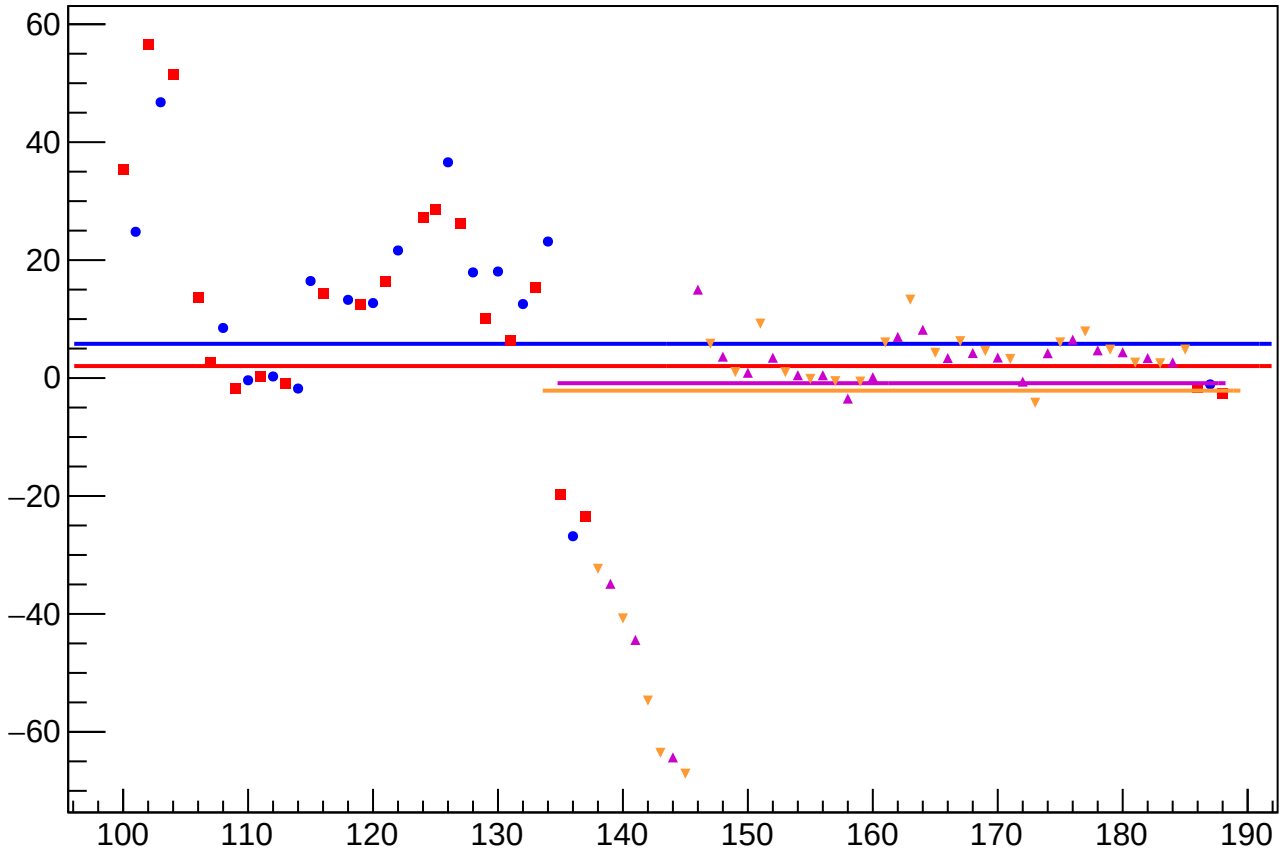
Left: 0.351+/-0.023 χ^2/NDF: 14162.7/47

Right: 0.875+/-0.039 χ^2/NDF: 4435.4/37

In: 0.506+/-0.028 χ^2/NDF:9819.6/39

Out: 0.459+/-0.028 χ^2/NDF:8910.1/45

All: 0.483+/-0.020 χ^2/NDF: 18731.2/85



Right In: 5.805+/-0.062 χ^2/NDF: 71846.7/16

Left Out: -2.133+/-0.040 χ^2/NDF:171466.8/24

Right Out: 2.033+/-0.046 χ^2/NDF: 81108.9/20

Left In: -0.871+/-0.039 χ^2/NDF:129263.4/22

Left: -1.488+/-0.028 χ^2/NDF: 301231.6/47

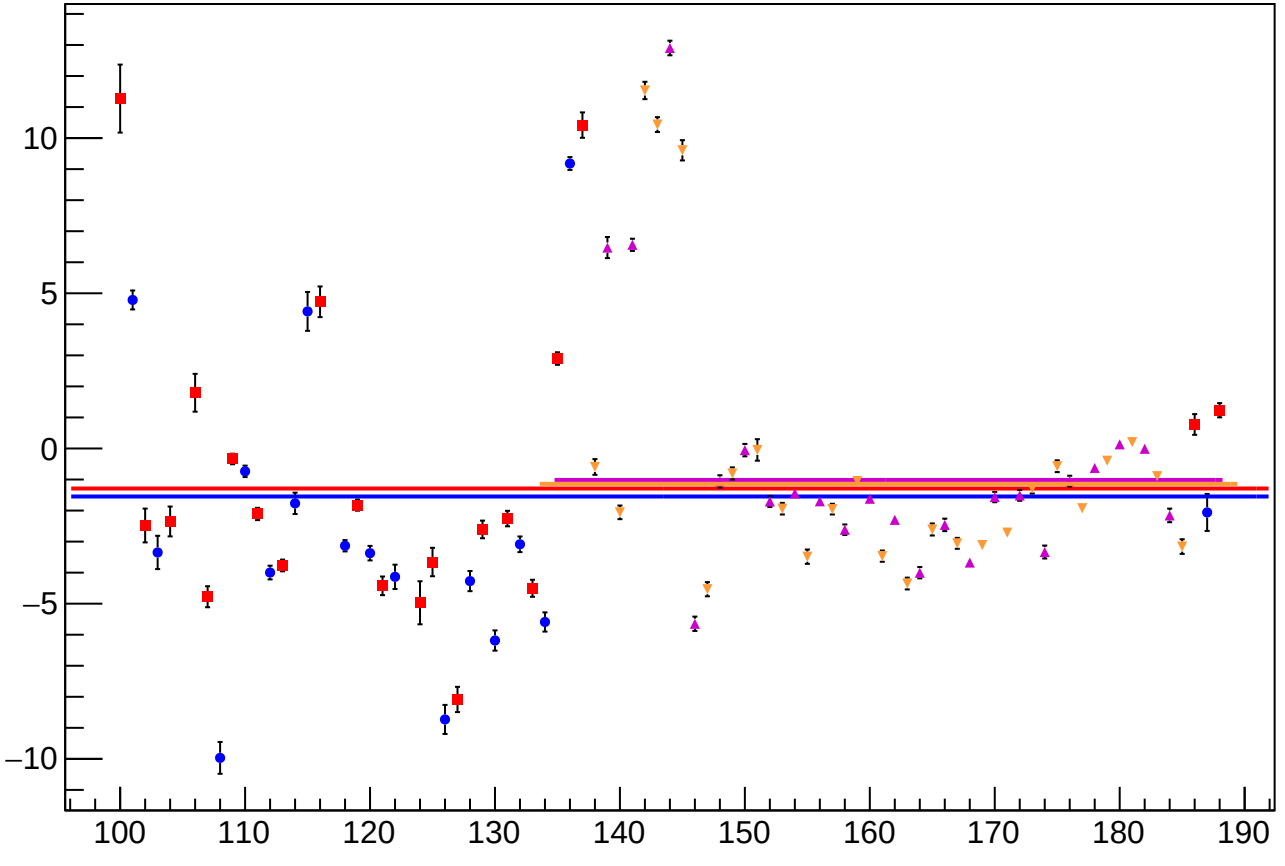
Right: 3.369+/-0.037 χ^2/NDF: 155331.5/37

In: 1.039+/-0.033 χ^2/NDF:209335.7/39

Out: -0.327+/-0.030 χ^2/NDF:257211.5/45

All: 0.293+/-0.022 χ^2/NDF: 467468.3/85

reg_asym_bcm_an_us_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.547+/-0.069 χ^2/NDF: 4536.7/16

Left Out: -1.140+/-0.036 χ^2/NDF:7022.9/24

Right Out: -1.290+/-0.061 χ^2/NDF: 2674.6/20

Left In: -1.013+/-0.035 χ^2/NDF:7027.2/22

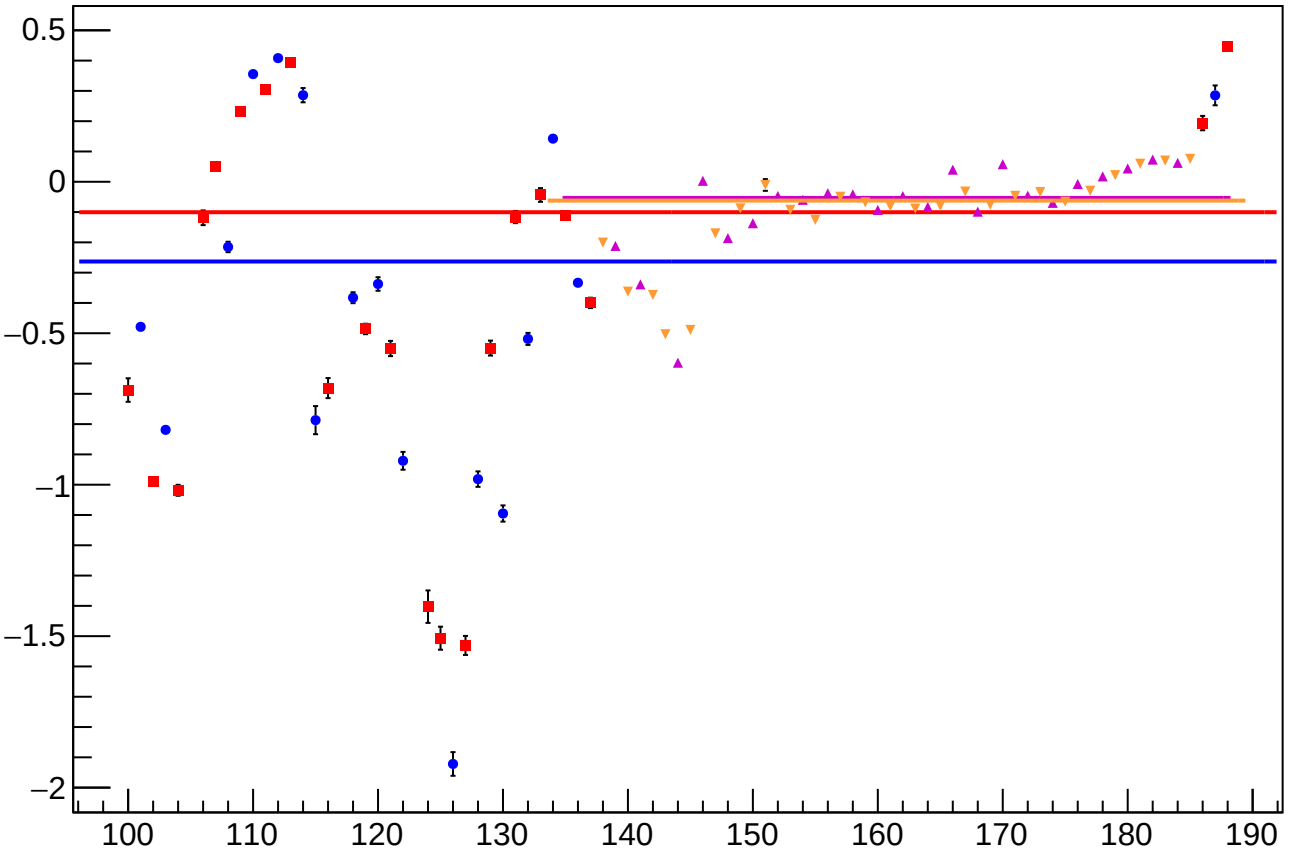
Left: -1.074+/-0.025 χ^2/NDF: 14056.4/47

Right: -1.403+/-0.046 χ^2/NDF: 7219.0/37

In: -1.122+/-0.031 χ^2/NDF:11611.4/39

Out: -1.179+/-0.031 χ^2/NDF:9702.0/45

All: -1.150+/-0.022 χ^2/NDF: 21315.1/85



Right In: -0.263+/-0.004 χ^2/NDF: 12348.5/16

Left Out: -0.062+/-0.002 χ^2/NDF:5736.1/24

Right Out: -0.101+/-0.004 χ^2/NDF: 18076.1/20

Left In: -0.053+/-0.001 χ^2/NDF:4993.7/22

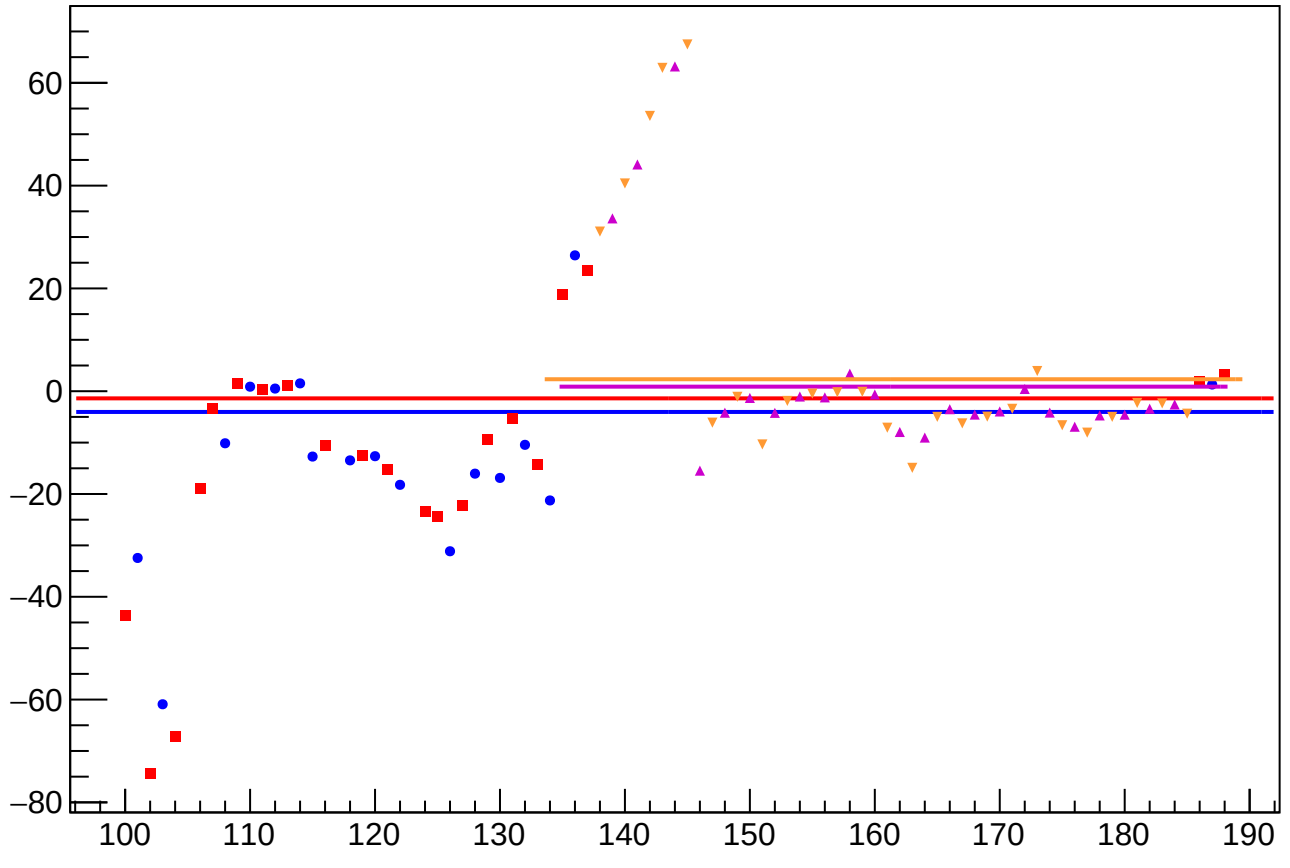
Left: -0.057+/-0.001 χ^2/NDF: 10746.2/47

Right: -0.170+/-0.003 χ^2/NDF: 31312.7/37

In: -0.078+/-0.001 χ^2/NDF:19631.7/39

Out: -0.068+/-0.001 χ^2/NDF:23908.4/45

All: -0.073+/-0.001 χ^2/NDF: 43561.1/85



Right In: -4.036+/-0.054 χ^2/NDF: 74685.8/16

Left Out: 2.329+/-0.041 χ^2/NDF:174647.6/24

Right Out: -1.393+/-0.042 χ^2/NDF: 82650.0/20

Left In: 0.887+/-0.041 χ^2/NDF:130417.3/22

Left: 1.602+/-0.029 χ^2/NDF: 305685.7/47

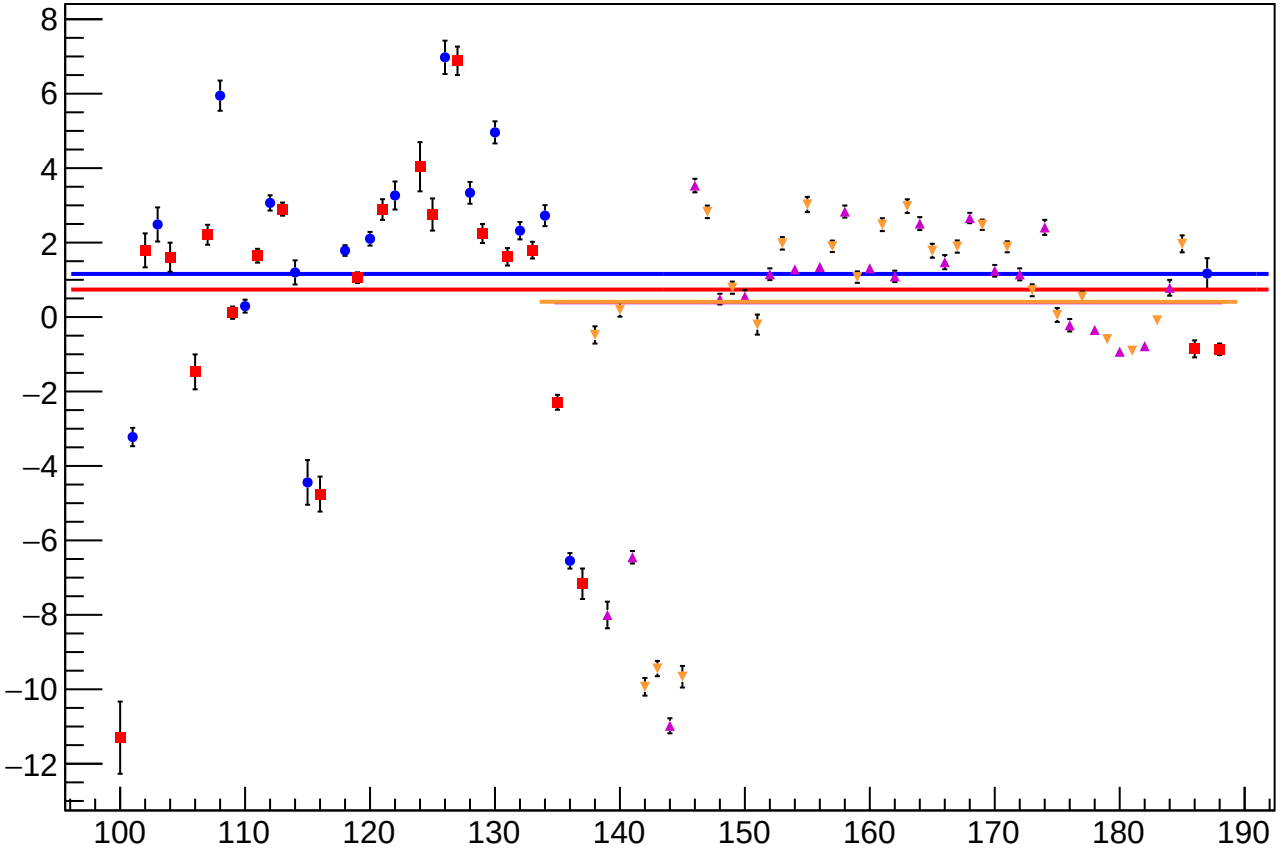
Right: -2.379+/-0.033 χ^2/NDF: 158814.6/37

In: -0.882+/-0.033 χ^2/NDF:210345.0/39

Out: 0.508+/-0.029 χ^2/NDF:261314.7/45

All: -0.114+/-0.022 χ^2/NDF: 472662.5/85

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.158+/-0.061 χ^2/NDF: 2549.9/16

Left Out: 0.410+/-0.033 χ^2/NDF:7047.9/24

Right Out: 0.738+/-0.053 χ^2/NDF: 1741.2/20

Left In: 0.396+/-0.032 χ^2/NDF:6932.0/22

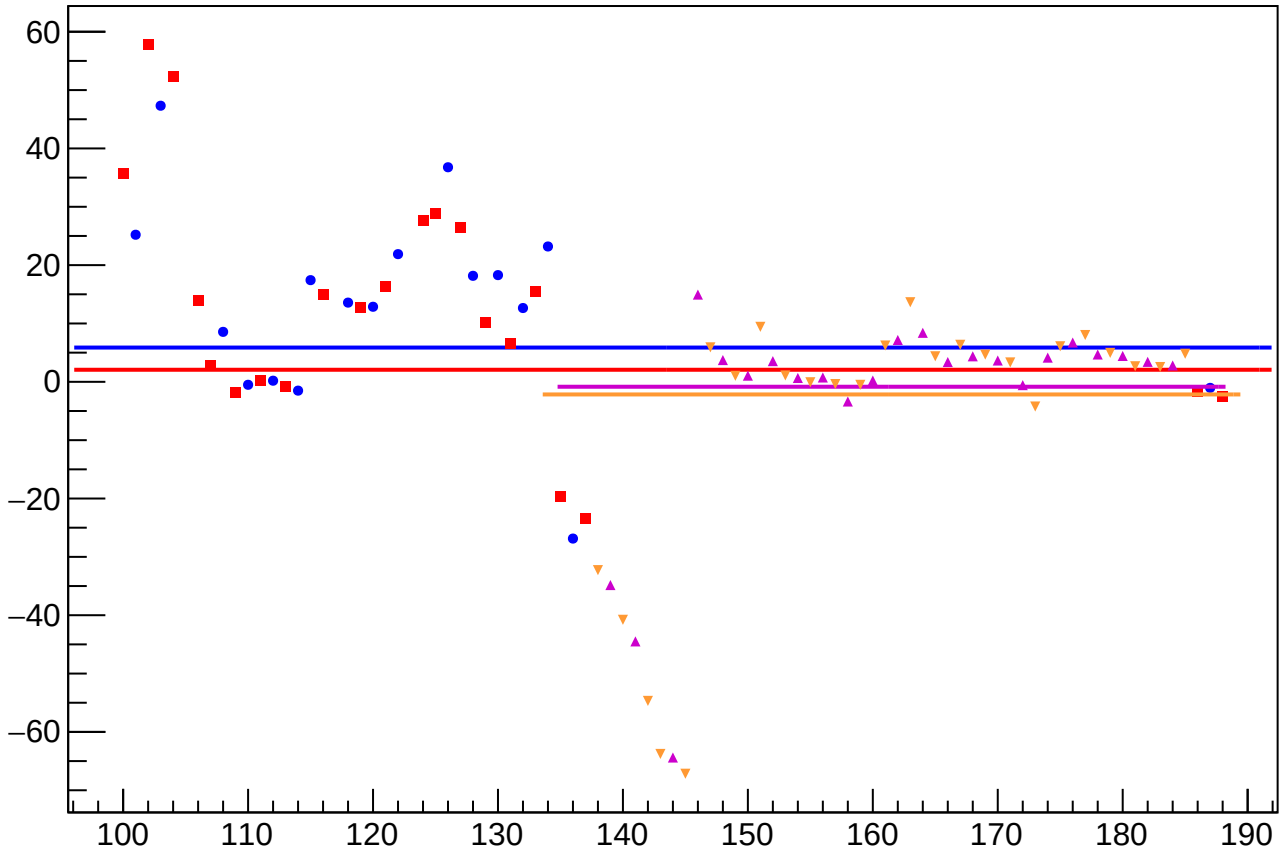
Left: 0.403+/-0.023 χ^2/NDF: 13980.0/47

Right: 0.920+/-0.040 χ^2/NDF: 4318.1/37

In: 0.562+/-0.028 χ^2/NDF:9604.5/39

Out: 0.503+/-0.028 χ^2/NDF:8816.5/45

All: 0.532+/-0.020 χ^2/NDF: 18423.1/85



Right In: 5.873+/-0.063 χ^2/NDF: 70948.5/16

Left Out: -2.163+/-0.041 χ^2/NDF:168990.2/24

Right Out: 2.067+/-0.047 χ^2/NDF: 80309.5/20

Left In: -0.843+/-0.040 χ^2/NDF:127135.3/22

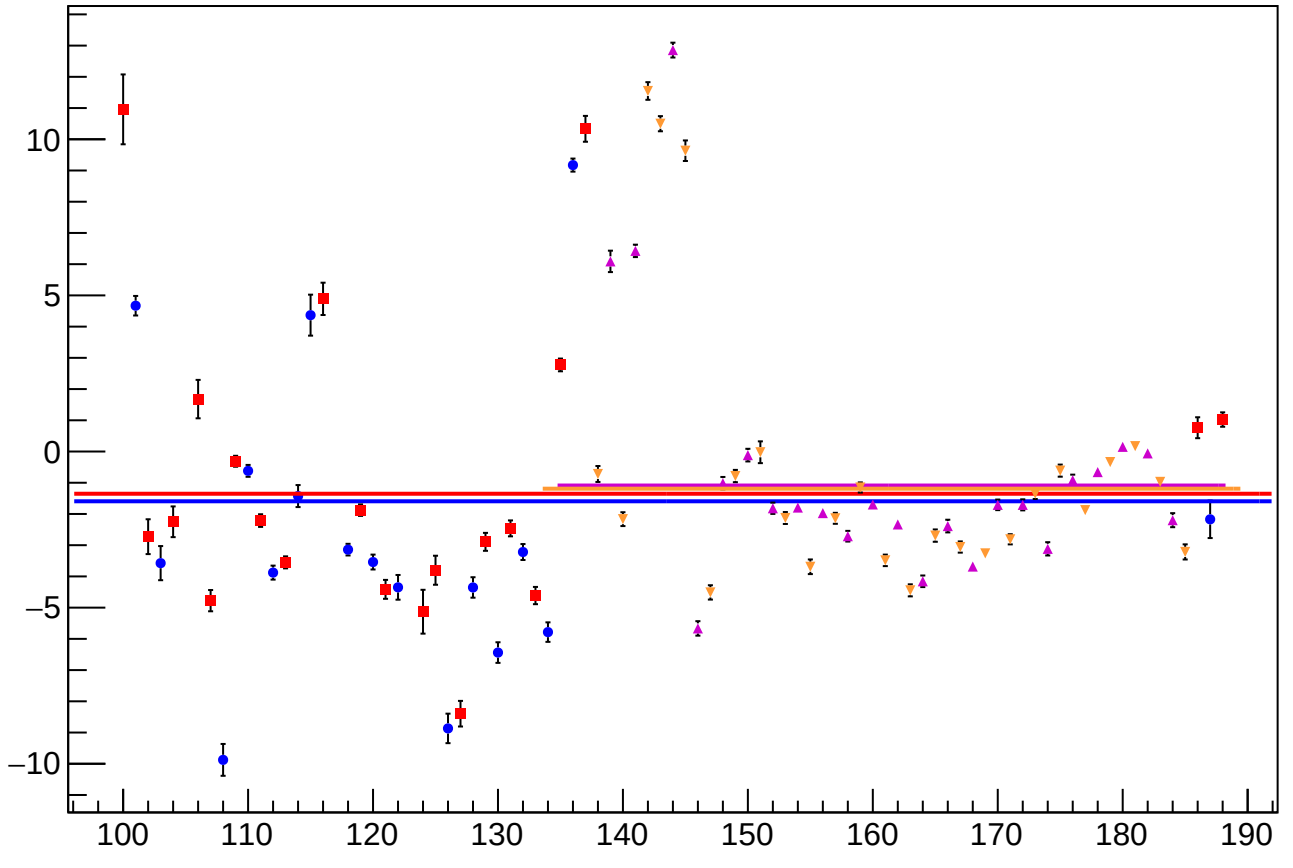
Left: -1.489+/-0.029 χ^2/NDF: 296654.1/47

Right: 3.410+/-0.038 χ^2/NDF: 153601.1/37

In: 1.088+/-0.034 χ^2/NDF:206116.5/39

Out: -0.319+/-0.031 χ^2/NDF:253929.0/45

All: 0.318+/-0.023 χ^2/NDF: 460988.1/85



Right In: -1.594+/-0.070 χ^2/NDF: 4473.6/16

Left Out: -1.190+/-0.037 χ^2/NDF:6995.9/24

Right Out: -1.352+/-0.062 χ^2/NDF: 2586.0/20

Left In: -1.089+/-0.036 χ^2/NDF:6840.8/22

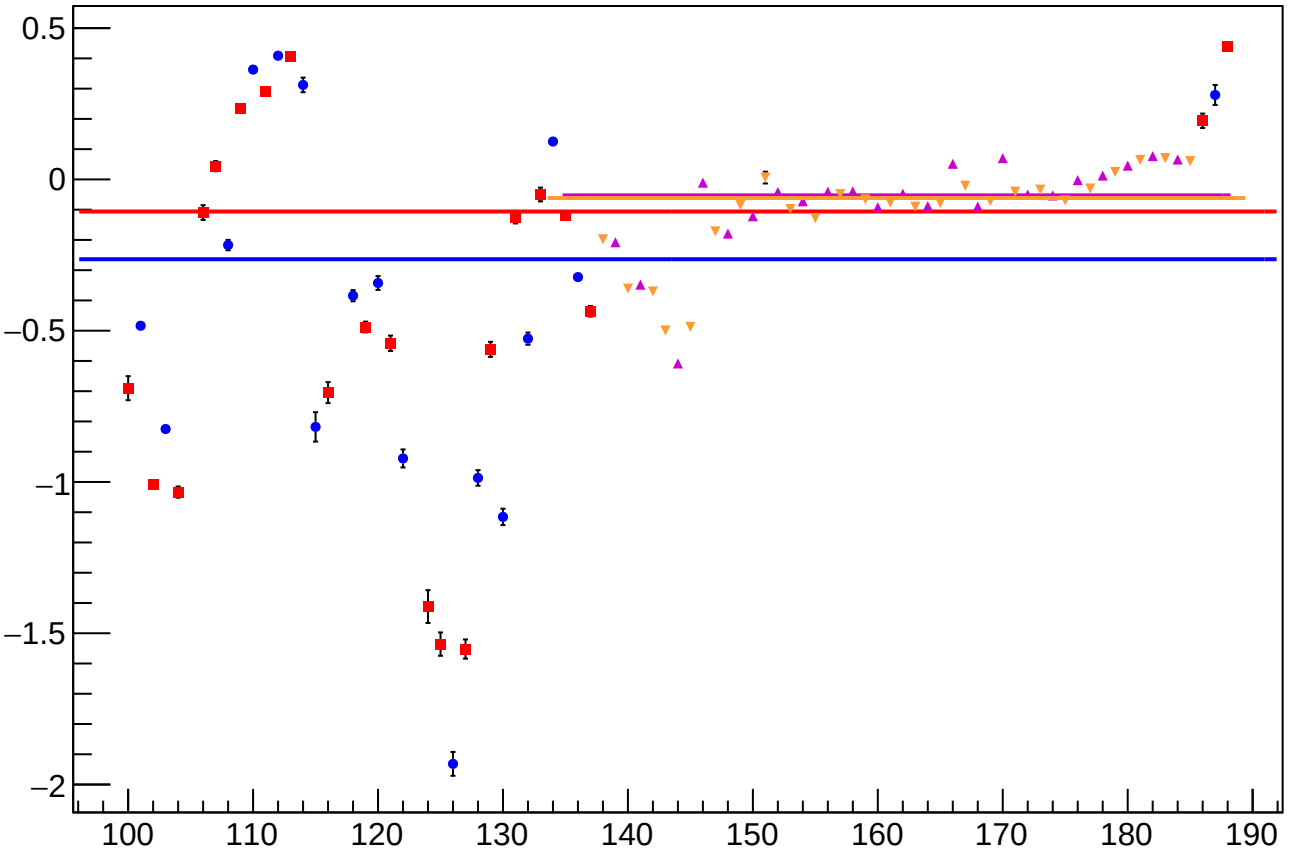
Left: -1.138+/-0.026 χ^2/NDF: 13840.6/47

Right: -1.458+/-0.047 χ^2/NDF: 7066.2/37

In: -1.192+/-0.032 χ^2/NDF:11355.3/39

Out: -1.233+/-0.032 χ^2/NDF:9587.0/45

All: -1.212+/-0.022 χ^2/NDF: 20943.1/85



Right In: -0.264+/-0.004 χ^2/NDF: 12131.4/16

Left Out: -0.062+/-0.002 χ^2/NDF:5563.5/24

Right Out: -0.106+/-0.004 χ^2/NDF: 17888.3/20

Left In: -0.053+/-0.002 χ^2/NDF:5036.0/22

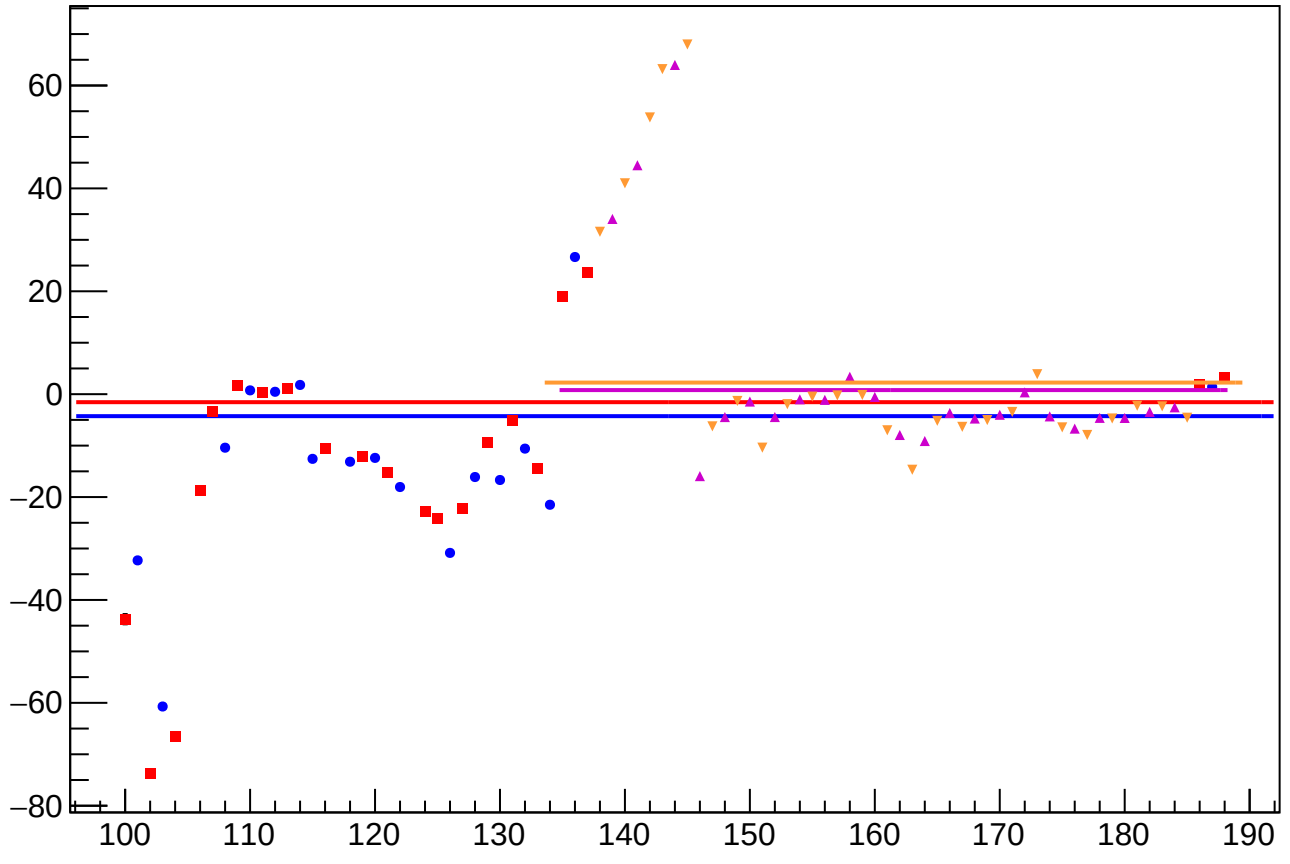
Left: -0.057+/-0.001 χ^2/NDF: 10615.2/47

Right: -0.174+/-0.003 χ^2/NDF: 30829.0/37

In: -0.077+/-0.001 χ^2/NDF:19409.5/39

Out: -0.069+/-0.001 χ^2/NDF:23577.1/45

All: -0.073+/-0.001 χ^2/NDF: 43004.0/85



Right In: -4.273+/-0.055 χ^2/NDF: 73159.6/16

Left Out: 2.255+/-0.041 χ^2/NDF:171671.4/24

Right Out: -1.556+/-0.043 χ^2/NDF: 80900.1/20

Left In: 0.794+/-0.041 χ^2/NDF:128828.3/22

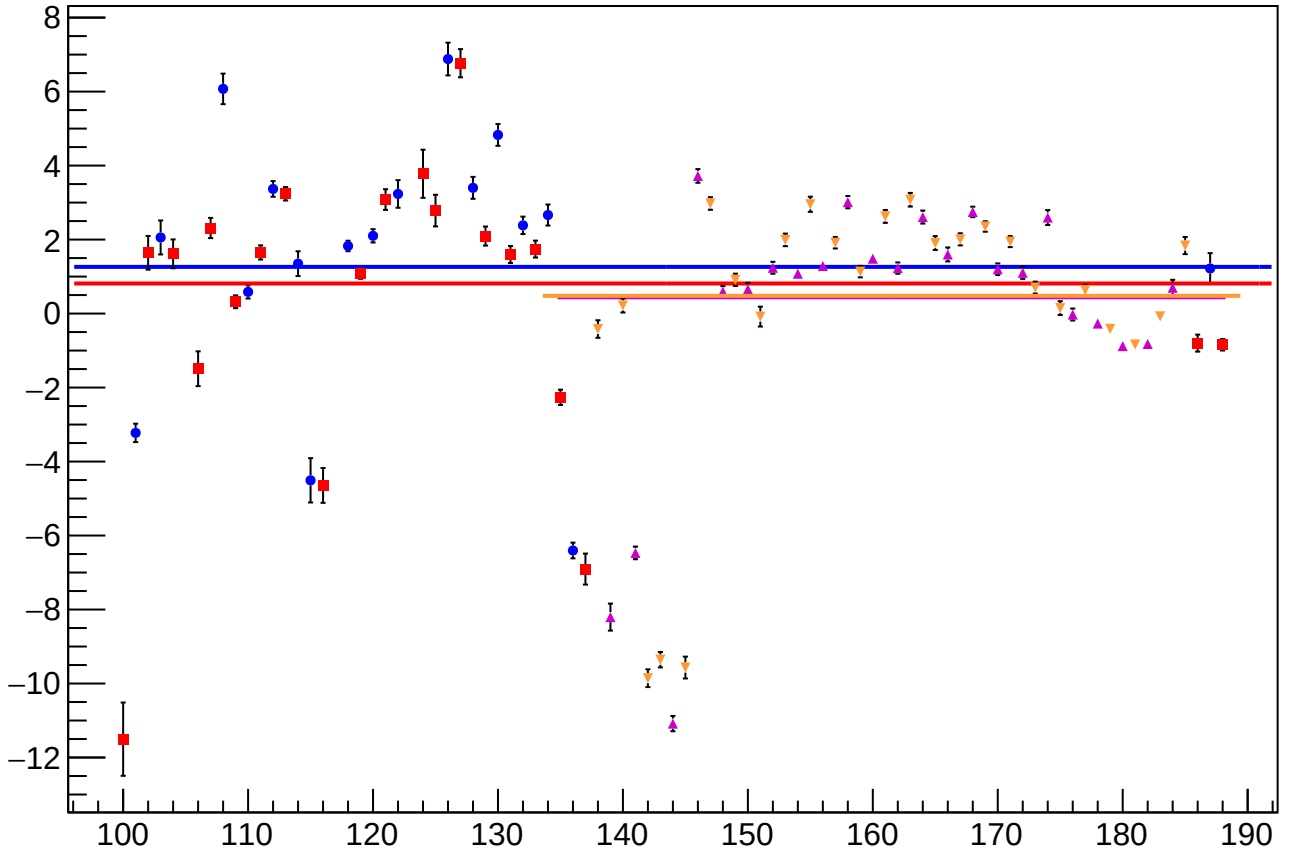
Left: 1.518+/-0.029 χ^2/NDF: 301124.7/47

Right: -2.576+/-0.034 χ^2/NDF: 155560.4/37

In: -1.007+/-0.033 χ^2/NDF:207373.6/39

Out: 0.416+/-0.030 χ^2/NDF:256641.6/45

All: -0.224+/-0.022 χ^2/NDF: 465035.8/85



Right In: 1.262+/-0.061 χ^2/NDF: 2443.8/16

Left Out: 0.479+/-0.034 χ^2/NDF:6808.1/24

Right Out: 0.813+/-0.054 χ^2/NDF: 1686.2/20

Left In: 0.440+/-0.032 χ^2/NDF:6893.7/22

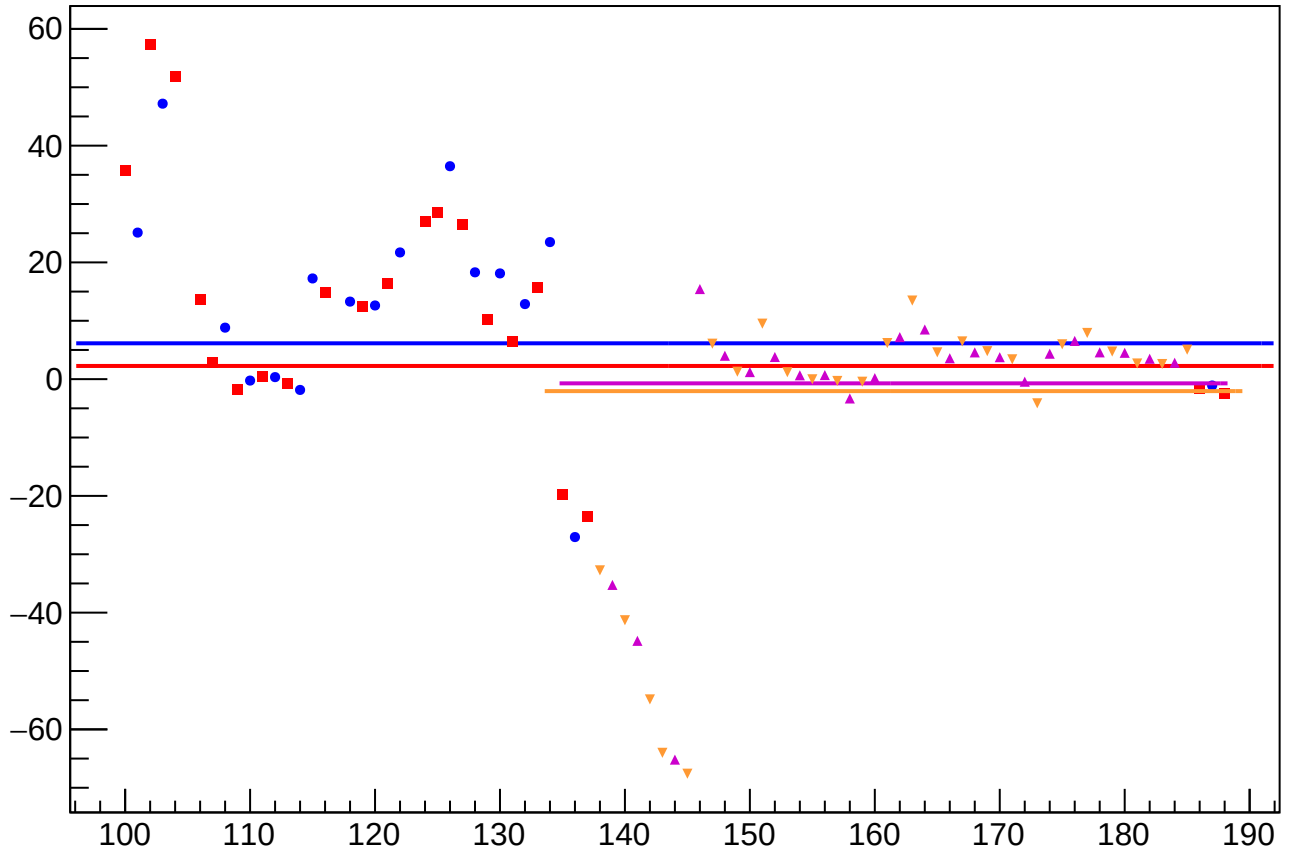
Left: 0.458+/-0.023 χ^2/NDF: 13702.5/47

Right: 1.008+/-0.040 χ^2/NDF: 4160.4/37

In: 0.619+/-0.029 χ^2/NDF:9478.1/39

Out: 0.573+/-0.029 χ^2/NDF:8522.0/45

All: 0.596+/-0.020 χ^2/NDF: 18001.4/85



Right In: 6.139+/-0.064 χ^2/NDF: 69376.3/16

Left Out: -2.051+/-0.041 χ^2/NDF:166009.6/24

Right Out: 2.259+/-0.048 χ^2/NDF: 78554.2/20

Left In: -0.720+/-0.041 χ^2/NDF:125531.3/22

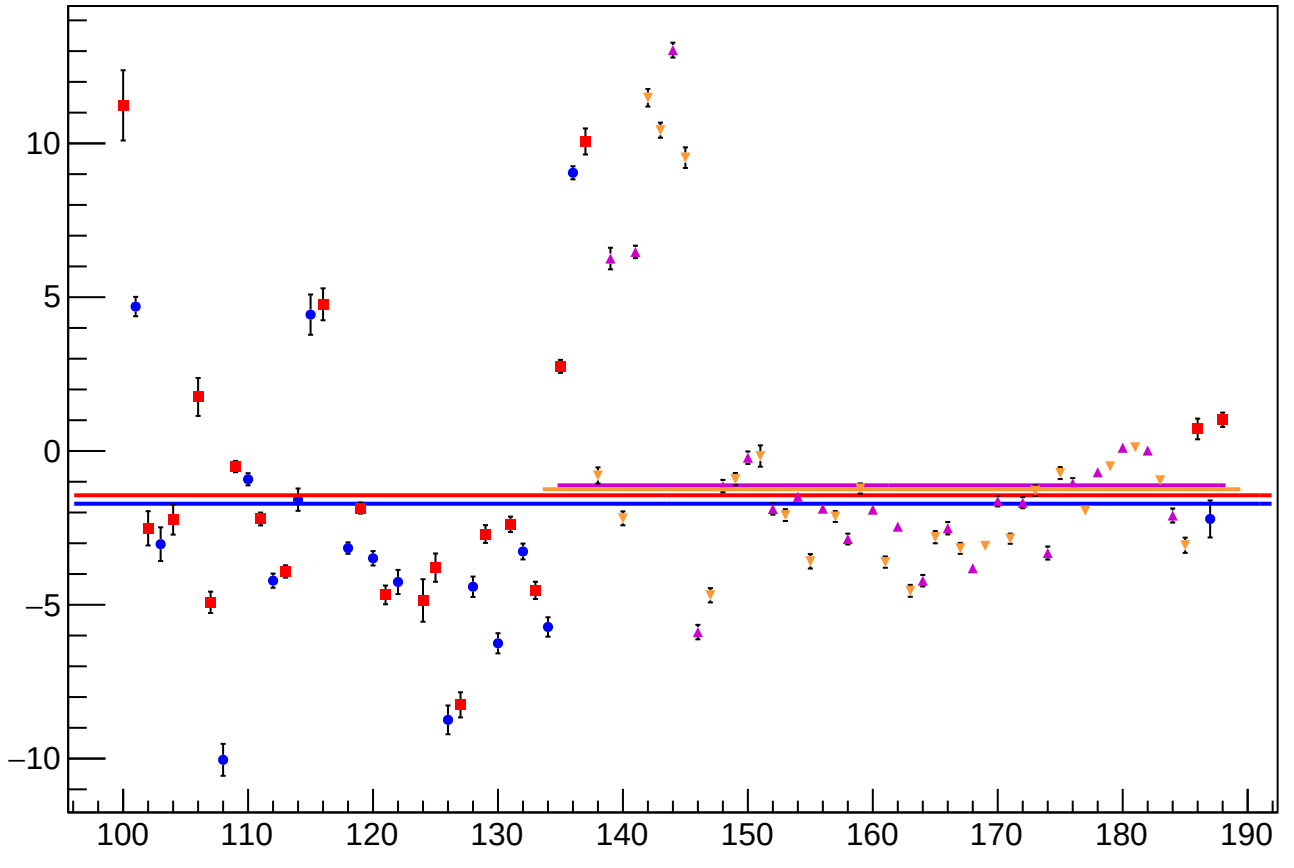
Left: -1.371+/-0.029 χ^2/NDF: 292067.4/47

Right: 3.634+/-0.038 χ^2/NDF: 150296.6/37

In: 1.242+/-0.034 χ^2/NDF:203083.7/39

Out: -0.187+/-0.031 χ^2/NDF:249236.2/45

All: 0.461+/-0.023 χ^2/NDF: 453270.3/85



Right In: -1.715+/-0.071 χ^2/NDF: 4290.5/16

Left Out: -1.244+/-0.037 χ^2/NDF:6768.7/24

Right Out: -1.440+/-0.063 χ^2/NDF: 2480.0/20

Left In: -1.117+/-0.036 χ^2/NDF:6840.3/22

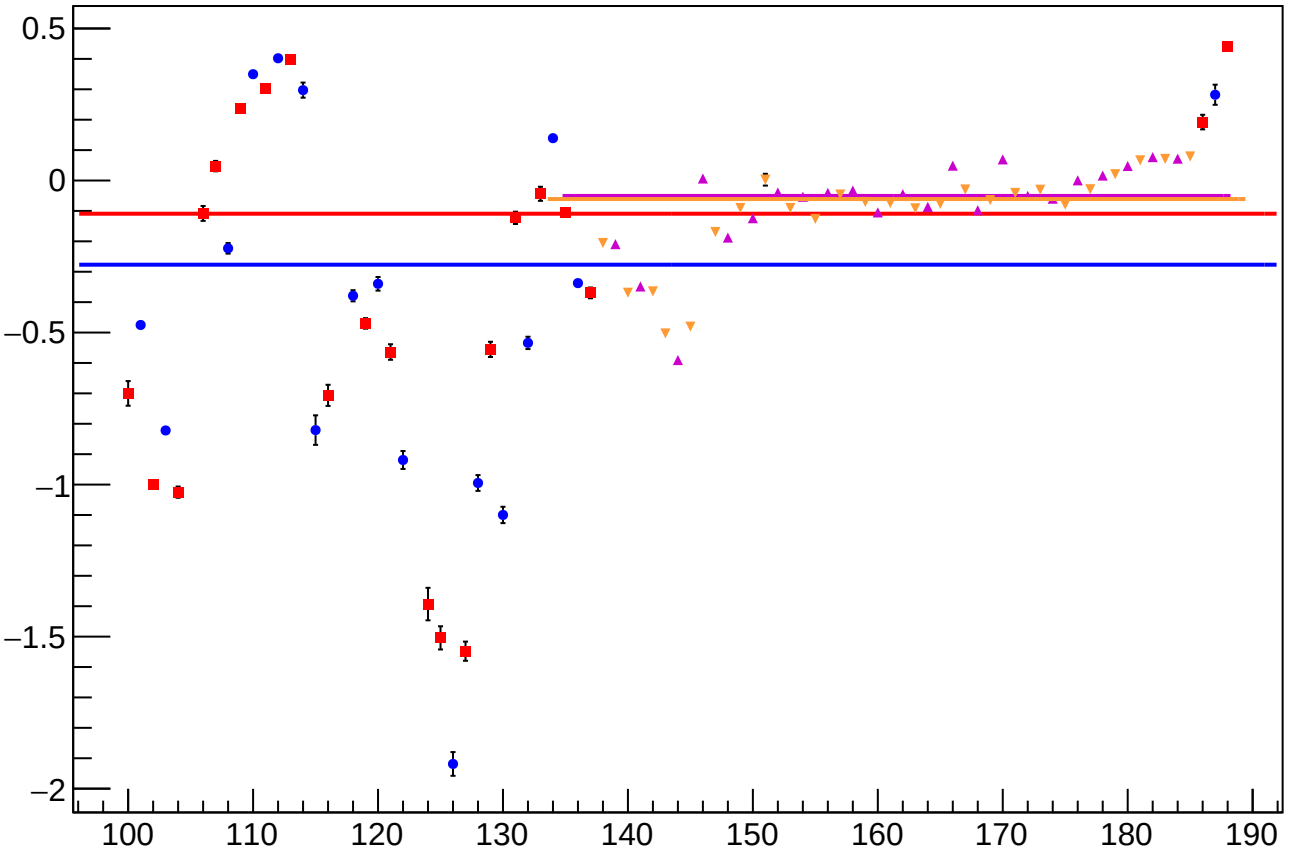
Left: -1.178+/-0.026 χ^2/NDF: 13615.0/47

Right: -1.561+/-0.047 χ^2/NDF: 6778.8/37

In: -1.239+/-0.032 χ^2/NDF:11187.1/39

Out: -1.295+/-0.032 χ^2/NDF:9255.9/45

All: -1.267+/-0.023 χ^2/NDF: 20444.5/85



Right In: -0.277+/-0.004 χ^2/NDF: 11651.2/16

Left Out: -0.061+/-0.002 χ^2/NDF:5479.8/24

Right Out: -0.109+/-0.004 χ^2/NDF: 17319.8/20

Left In: -0.051+/-0.002 χ^2/NDF:4878.7/22

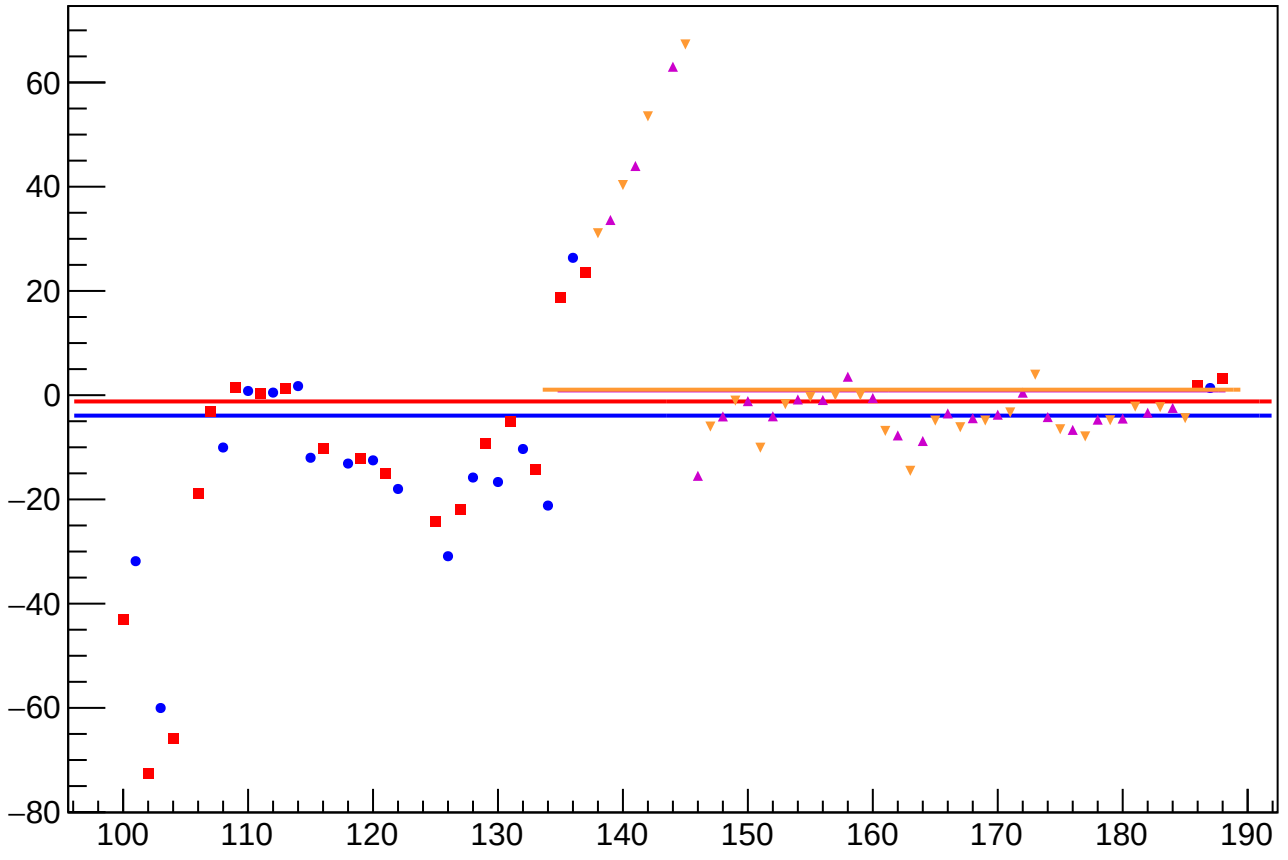
Left: -0.056+/-0.001 χ^2/NDF: 10379.1/47

Right: -0.182+/-0.003 χ^2/NDF: 29856.0/37

In: -0.077+/-0.001 χ^2/NDF:19035.1/39

Out: -0.069+/-0.001 χ^2/NDF:22941.3/45

All: -0.073+/-0.001 χ^2/NDF: 41992.7/85



Right In: -3.923+/-0.053 χ^2/NDF: 75862.3/16

Left Out: 1.053+/-0.041 χ^2/NDF:131031.0/23

Right Out: -1.204+/-0.041 χ^2/NDF: 82256.3/19

Left In: 0.913+/-0.040 χ^2/NDF:132807.5/22

Left: 0.982+/-0.028 χ^2/NDF: 263844.6/46

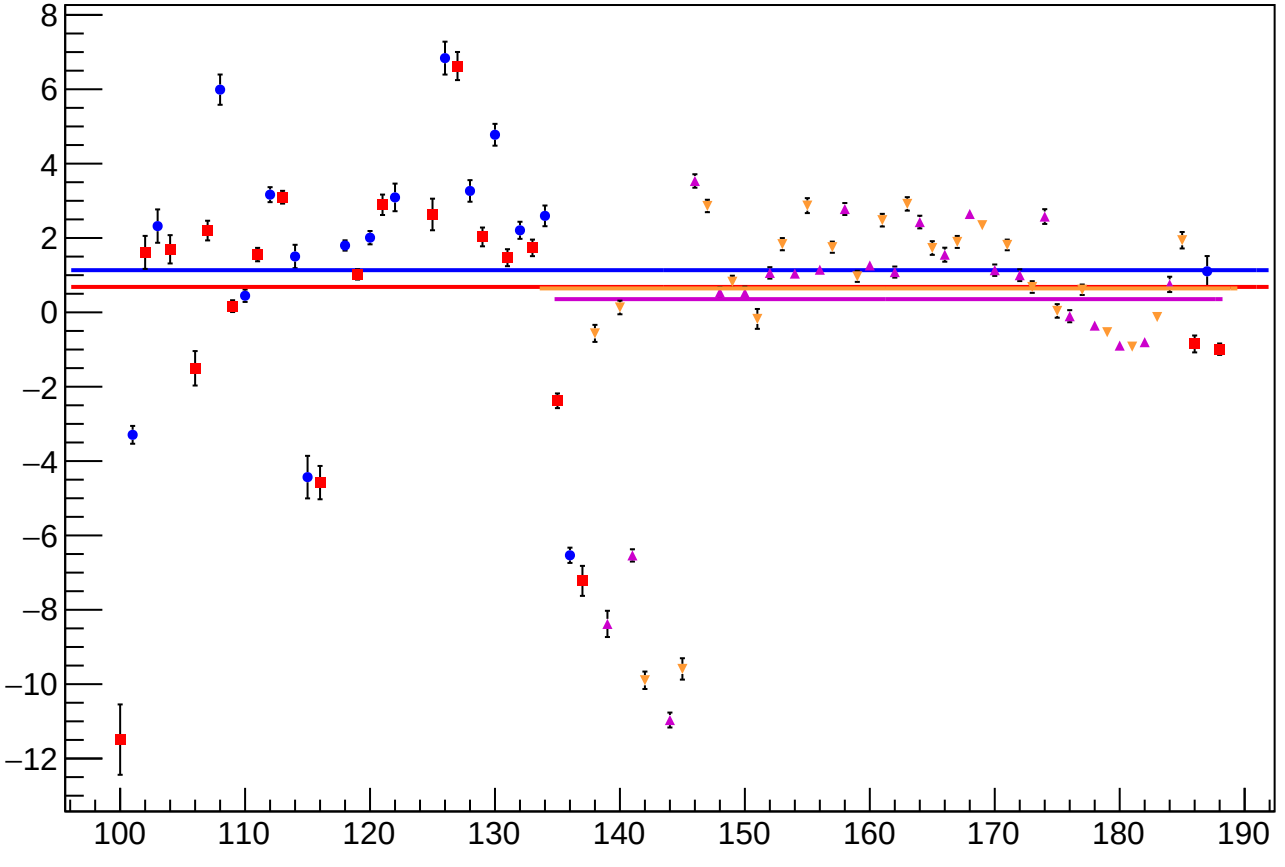
Right: -2.220+/-0.033 χ^2/NDF: 159754.7/36

In: -0.823+/-0.032 χ^2/NDF:213964.5/39

Out: -0.061+/-0.029 χ^2/NDF:214815.8/43

All: -0.404+/-0.021 χ^2/NDF: 429094.4/83

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.135+/-0.060 χ^2/NDF: 2595.7/16

Left Out: 0.644+/-0.033 χ^2/NDF:4711.1/23

Right Out: 0.684+/-0.052 χ^2/NDF: 1791.2/19

Left In: 0.355+/-0.031 χ^2/NDF:7117.0/22

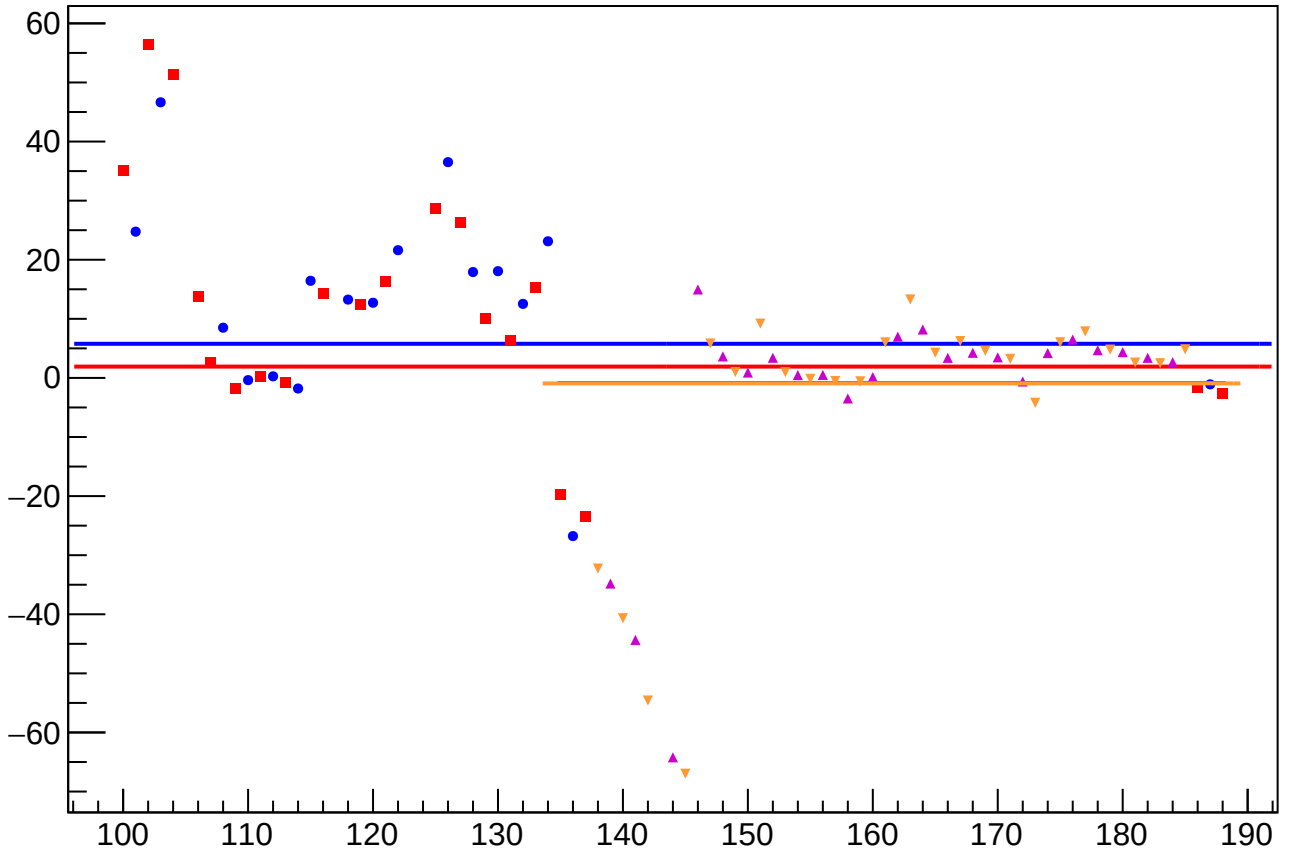
Left: 0.491+/-0.023 χ^2/NDF: 11868.0/46

Right: 0.880+/-0.039 χ^2/NDF: 4419.2/36

In: 0.524+/-0.028 χ^2/NDF:9846.8/39

Out: 0.655+/-0.028 χ^2/NDF:6502.6/43

All: 0.589+/-0.020 χ^2/NDF: 16360.5/83



Right In: 5.775+/-0.062 χ^2/NDF: 72012.7/16

Left Out: -0.929+/-0.041 χ^2/NDF:126378.7/23

Right Out: 1.917+/-0.046 χ^2/NDF: 79980.9/19

Left In: -0.860+/-0.039 χ^2/NDF:129485.0/22

Left: -0.894+/-0.028 χ^2/NDF: 255865.2/46

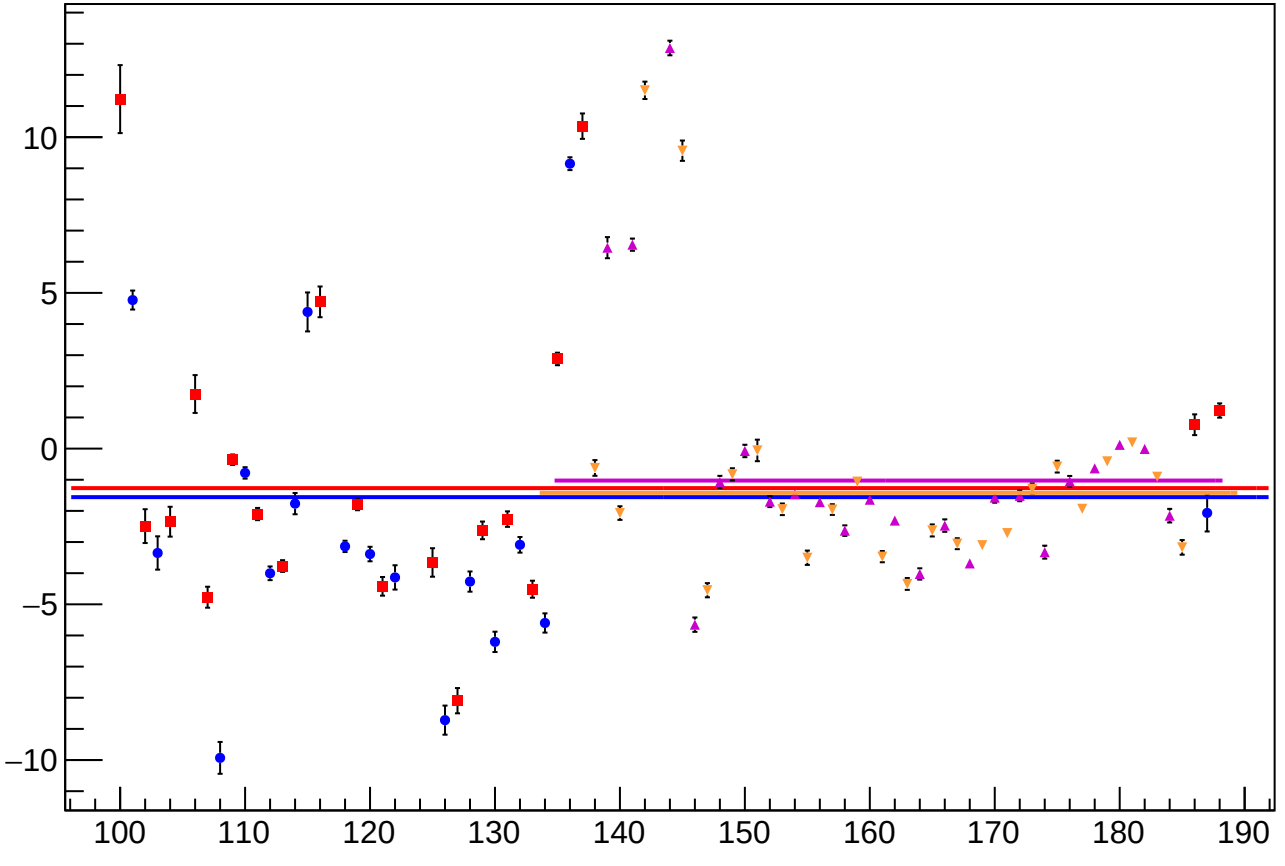
Right: 3.287+/-0.037 χ^2/NDF: 154494.9/36

In: 1.039+/-0.033 χ^2/NDF:209686.2/39

Out: 0.315+/-0.030 χ^2/NDF:208513.9/43

All: 0.646+/-0.022 χ^2/NDF: 418459.2/83

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.559+/-0.069 χ^2/NDF: 4544.3/16

Left Out: -1.420+/-0.037 χ^2/NDF:4642.0/23

Right Out: -1.269+/-0.061 χ^2/NDF: 2646.6/19

Left In: -1.026+/-0.035 χ^2/NDF:7047.1/22

Left: -1.212+/-0.025 χ^2/NDF: 11750.0/46

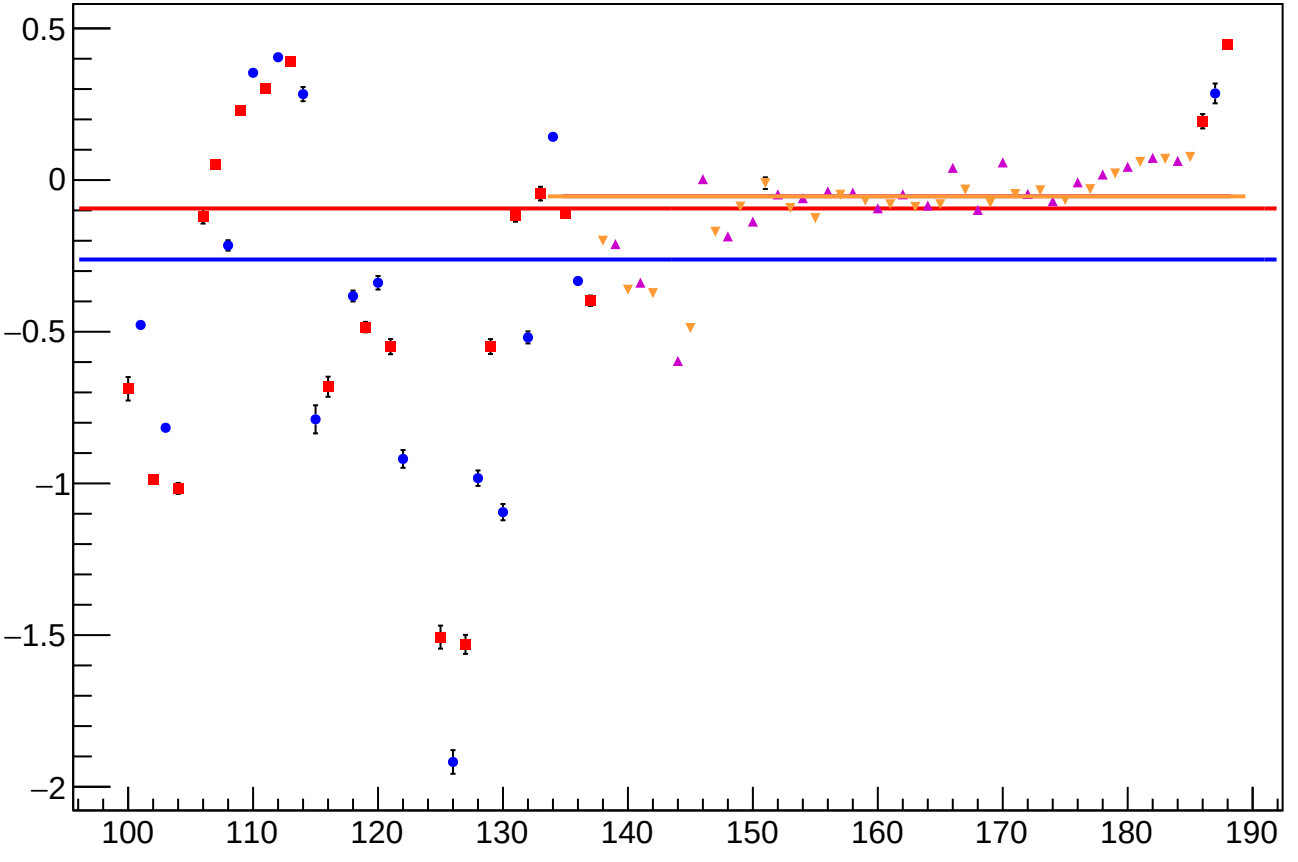
Right: -1.396+/-0.046 χ^2/NDF: 7200.9/36

In: -1.134+/-0.031 χ^2/NDF:11639.1/39

Out: -1.380+/-0.031 χ^2/NDF:7293.1/43

All: -1.255+/-0.022 χ^2/NDF: 18963.3/83

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.262+/-0.004 χ^2/NDF: 12380.9/16

Left Out: -0.054+/-0.002 χ^2/NDF:4340.0/23

Right Out: -0.094+/-0.004 χ^2/NDF: 17543.6/19

Left In: -0.053+/-0.001 χ^2/NDF:5009.7/22

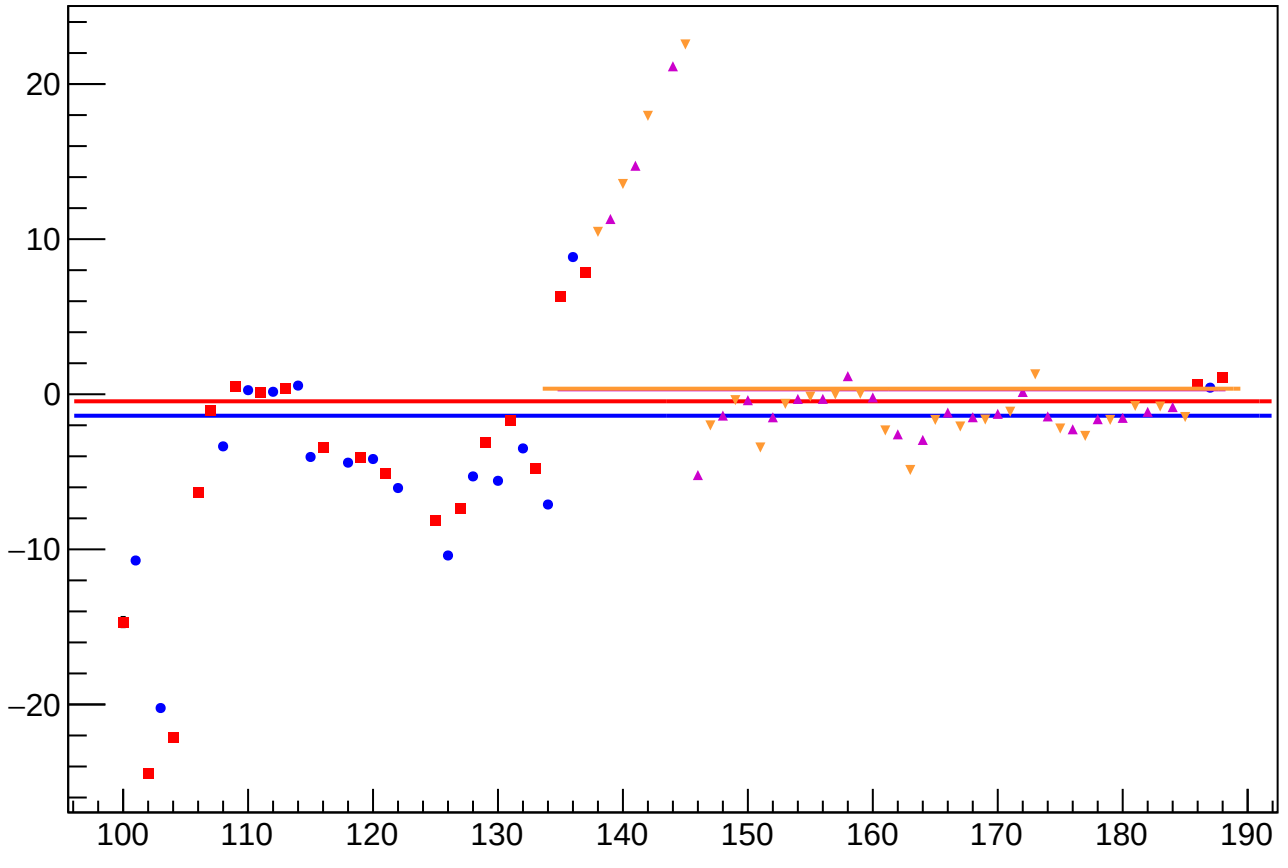
Left: -0.053+/-0.001 χ^2/NDF: 9349.8/46

Right: -0.166+/-0.003 χ^2/NDF: 30880.6/36

In: -0.077+/-0.001 χ^2/NDF:19672.5/39

Out: -0.060+/-0.001 χ^2/NDF:21987.7/43

All: -0.069+/-0.001 χ^2/NDF: 41731.3/83



Right In: -1.384+/-0.018 χ^2/NDF: 74205.4/16

Left Out: 0.359+/-0.014 χ^2/NDF:128829.7/23

Right Out: -0.454+/-0.014 χ^2/NDF: 80720.8/19

Left In: 0.317+/-0.014 χ^2/NDF:130224.2/22

Left: 0.338+/-0.010 χ^2/NDF: 259058.4/46

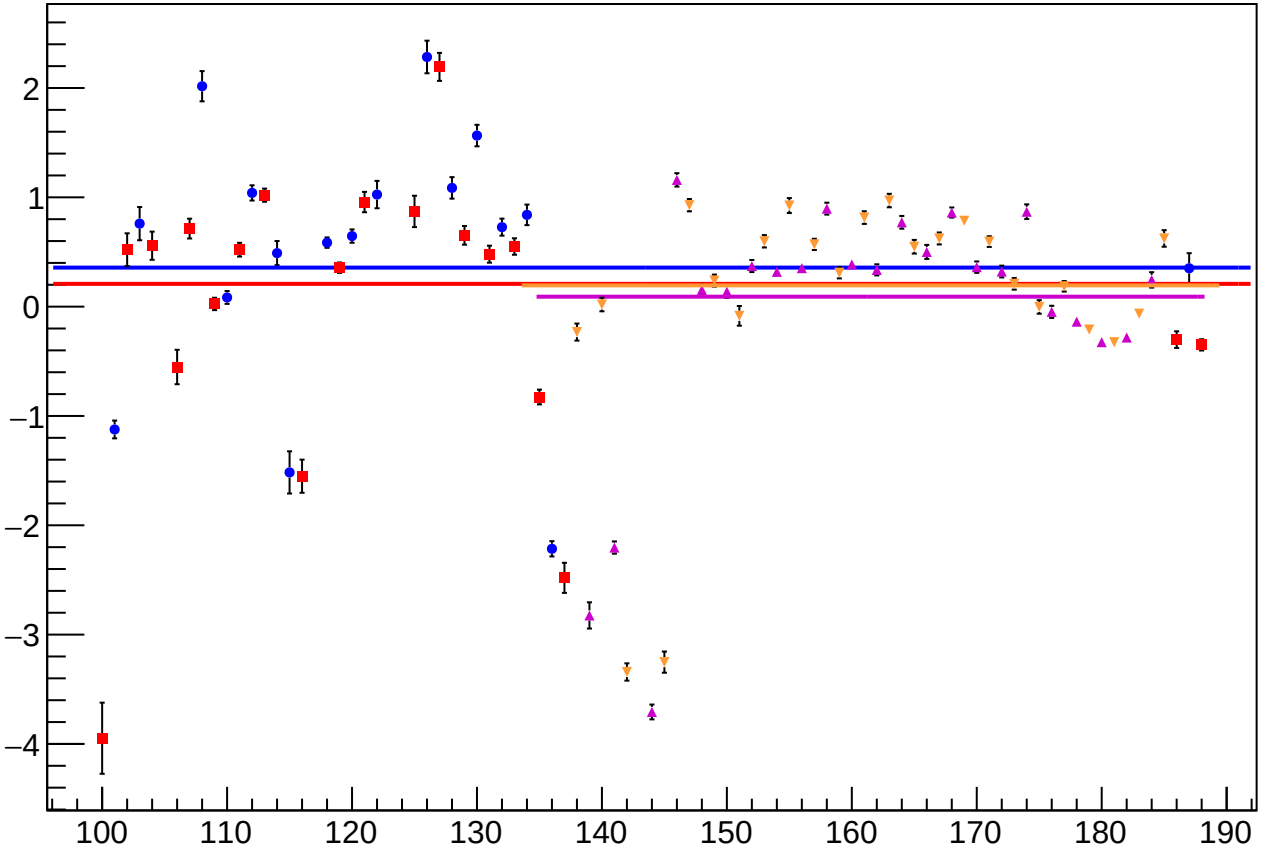
Right: -0.804+/-0.011 χ^2/NDF: 156539.3/36

In: -0.291+/-0.011 χ^2/NDF:209991.8/39

Out: -0.038+/-0.010 χ^2/NDF:211229.2/43

All: -0.152+/-0.007 χ^2/NDF: 421514.1/83

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.357+/-0.020 χ^2/NDF: 2543.0/16

Left Out: 0.194+/-0.011 χ^2/NDF:4645.0/23

Right Out: 0.208+/-0.018 χ^2/NDF: 1754.8/19

Left In: 0.091+/-0.011 χ^2/NDF:6936.4/22

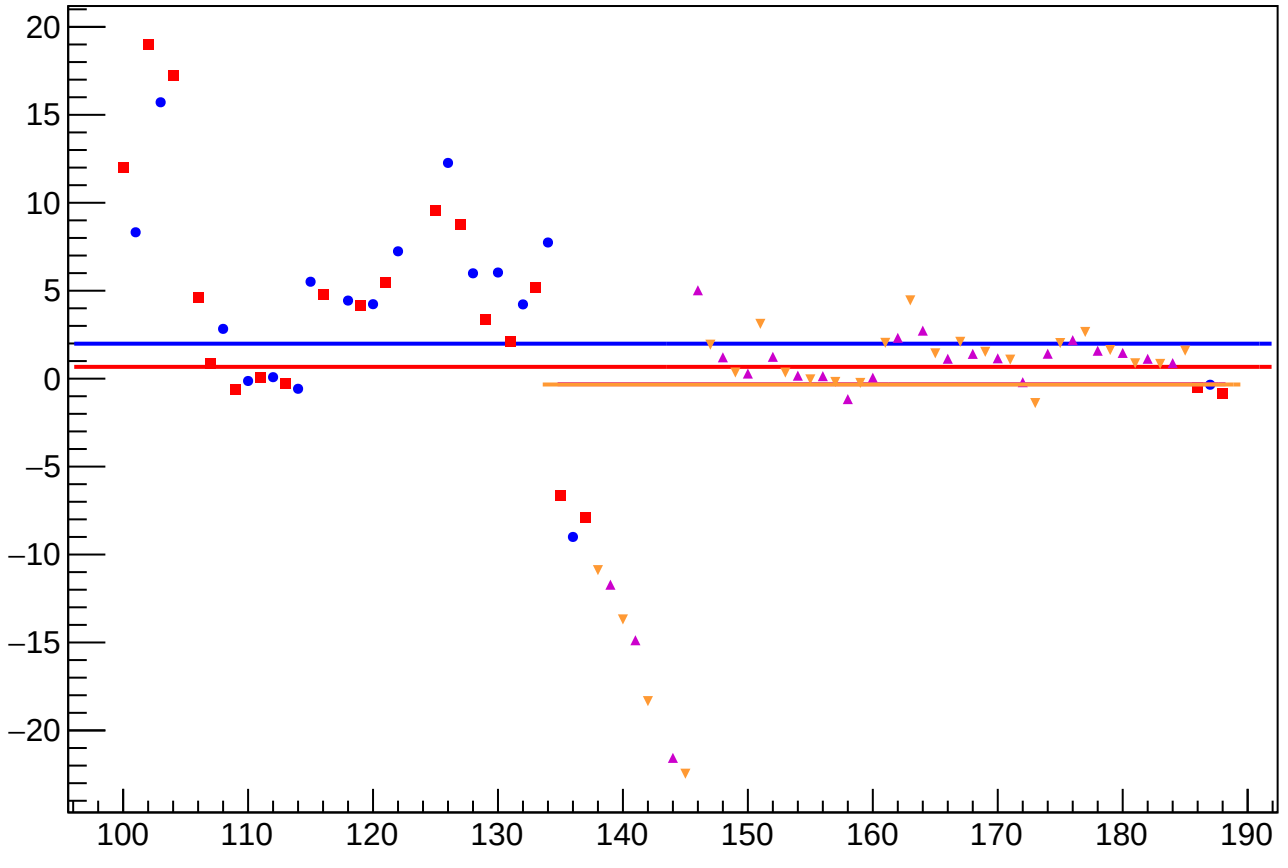
Left: 0.140+/-0.008 χ^2/NDF: 11625.1/46

Right: 0.273+/-0.013 χ^2/NDF: 4328.0/36

In: 0.149+/-0.010 χ^2/NDF:9612.9/39

Out: 0.198+/-0.010 χ^2/NDF:6400.2/43

All: 0.174+/-0.007 χ^2/NDF: 16026.5/83



Right In: 1.989+/-0.021 χ^2/NDF: 70438.6/16

Left Out: -0.332+/-0.014 χ^2/NDF:124233.4/23

Right Out: 0.671+/-0.016 χ^2/NDF: 78529.2/19

Left In: -0.314+/-0.013 χ^2/NDF:126999.2/22

Left: -0.323+/-0.010 χ^2/NDF: 251233.5/46

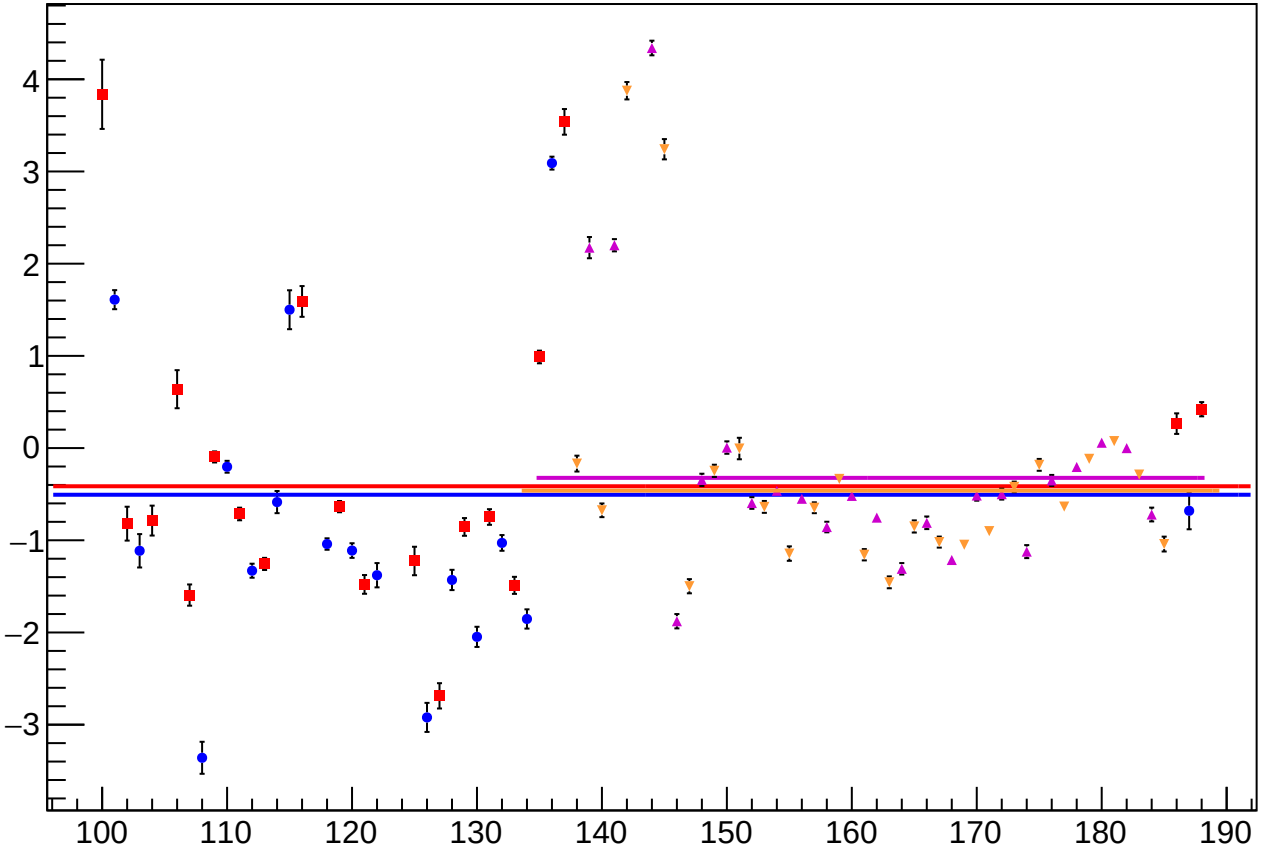
Right: 1.139+/-0.013 χ^2/NDF: 151461.5/36

In: 0.347+/-0.011 χ^2/NDF:205850.9/39

Out: 0.106+/-0.010 χ^2/NDF:205050.8/43

All: 0.216+/-0.008 χ^2/NDF: 411147.9/83

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.506+/-0.024 χ^2/NDF: 4448.0/16

Left Out: -0.462+/-0.013 χ^2/NDF:4580.0/23

Right Out: -0.414+/-0.021 χ^2/NDF: 2597.0/19

Left In: -0.323+/-0.012 χ^2/NDF:6881.8/22

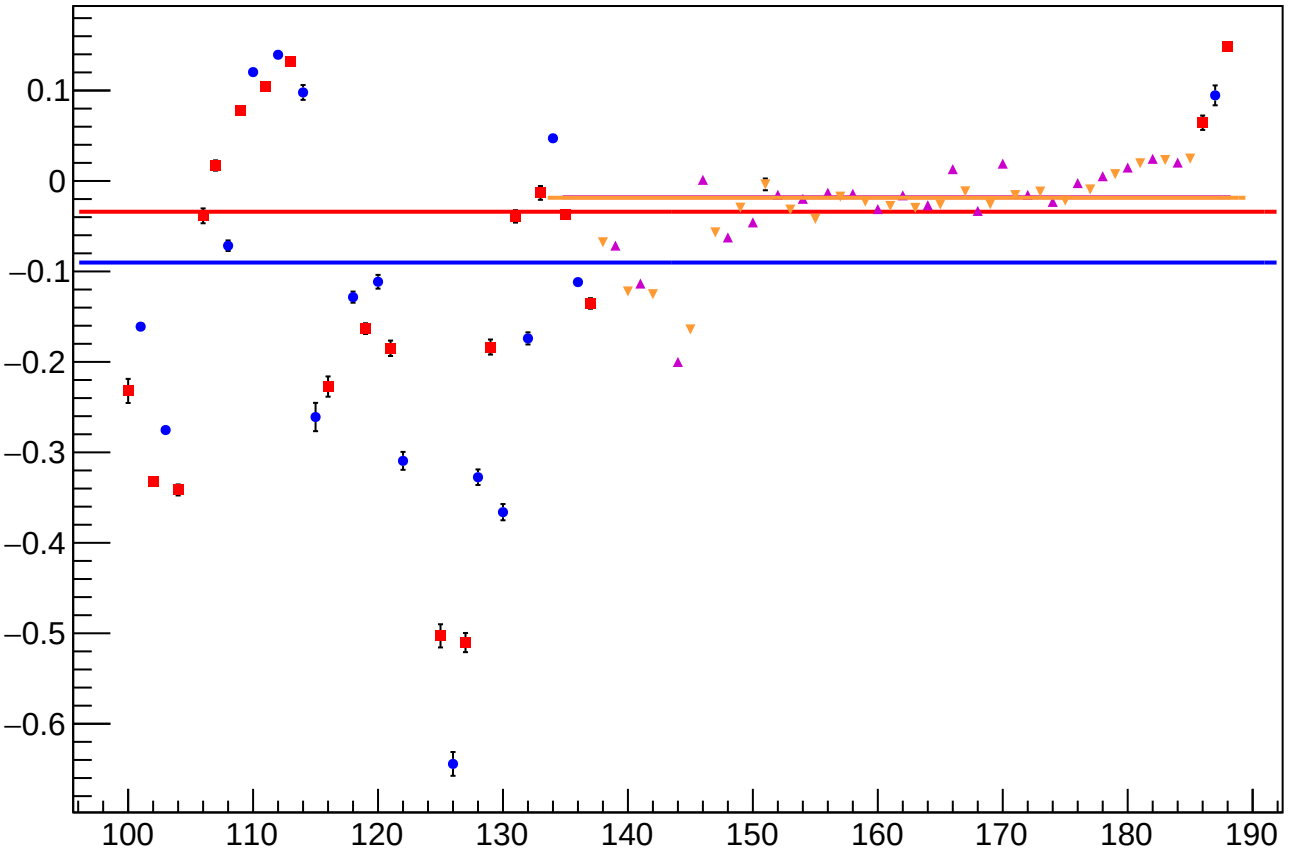
Left: -0.389+/-0.009 χ^2/NDF: 11526.1/46

Right: -0.455+/-0.016 χ^2/NDF: 7053.4/36

In: -0.360+/-0.011 χ^2/NDF:11378.0/39

Out: -0.449+/-0.011 χ^2/NDF:7180.7/43

All: -0.404+/-0.008 χ^2/NDF: 18593.1/83



Right In: -0.090+/-0.001 χ^2/NDF: 12029.3/16

Left Out: -0.019+/-0.001 χ^2/NDF:4227.5/23

Right Out: -0.034+/-0.001 χ^2/NDF: 17015.3/19

Left In: -0.018+/-0.001 χ^2/NDF:4879.3/22

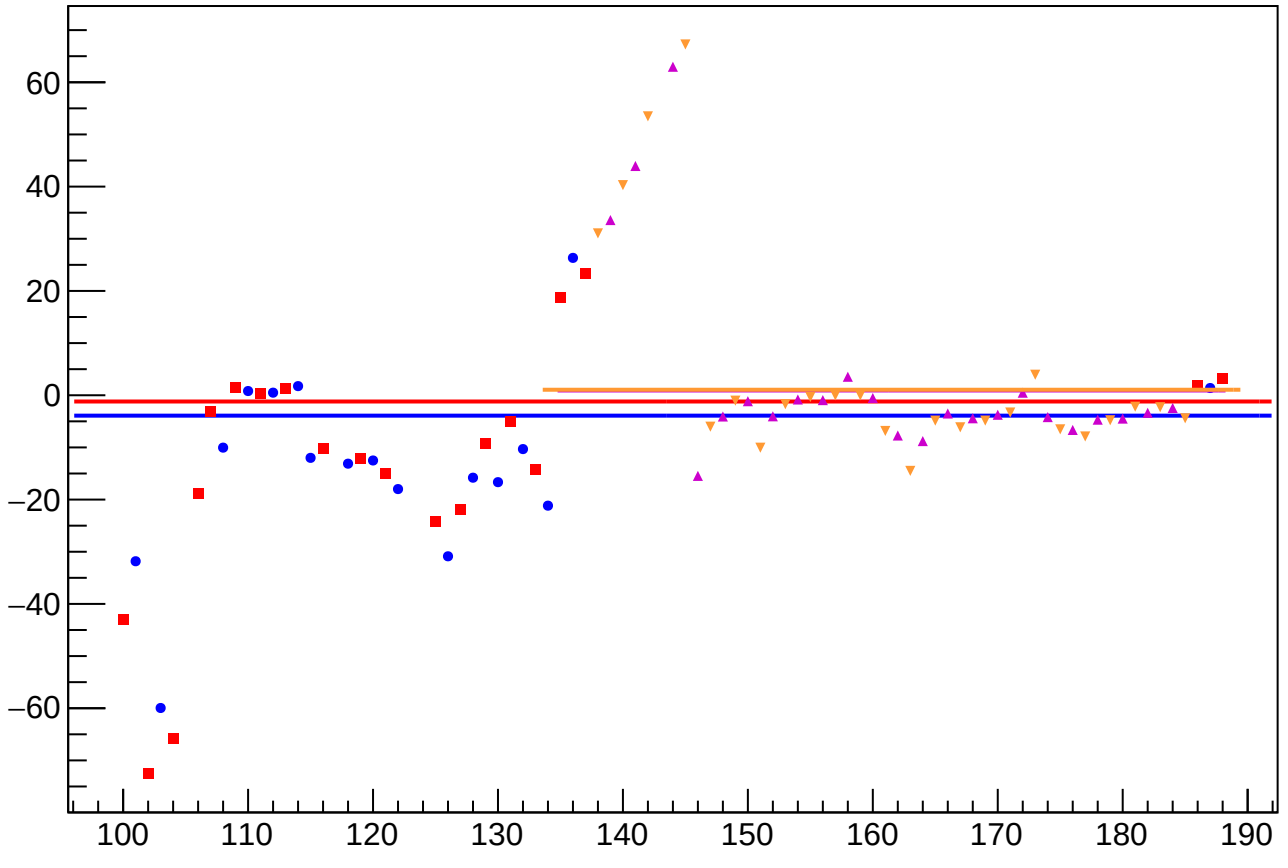
Left: -0.018+/-0.000 χ^2/NDF: 9107.2/46

Right: -0.058+/-0.001 χ^2/NDF: 29953.7/36

In: -0.026+/-0.000 χ^2/NDF:19244.8/39

Out: -0.021+/-0.000 χ^2/NDF:21375.7/43

All: -0.024+/-0.000 χ^2/NDF: 40681.2/83



Right In: -3.909+/-0.053 χ^2/NDF: 75888.4/16

Left Out: 1.058+/-0.041 χ^2/NDF:131010.5/23

Right Out: -1.197+/-0.041 χ^2/NDF: 82272.2/19

Left In: 0.915+/-0.040 χ^2/NDF:132816.1/22

Left: 0.985+/-0.028 χ^2/NDF: 263832.9/46

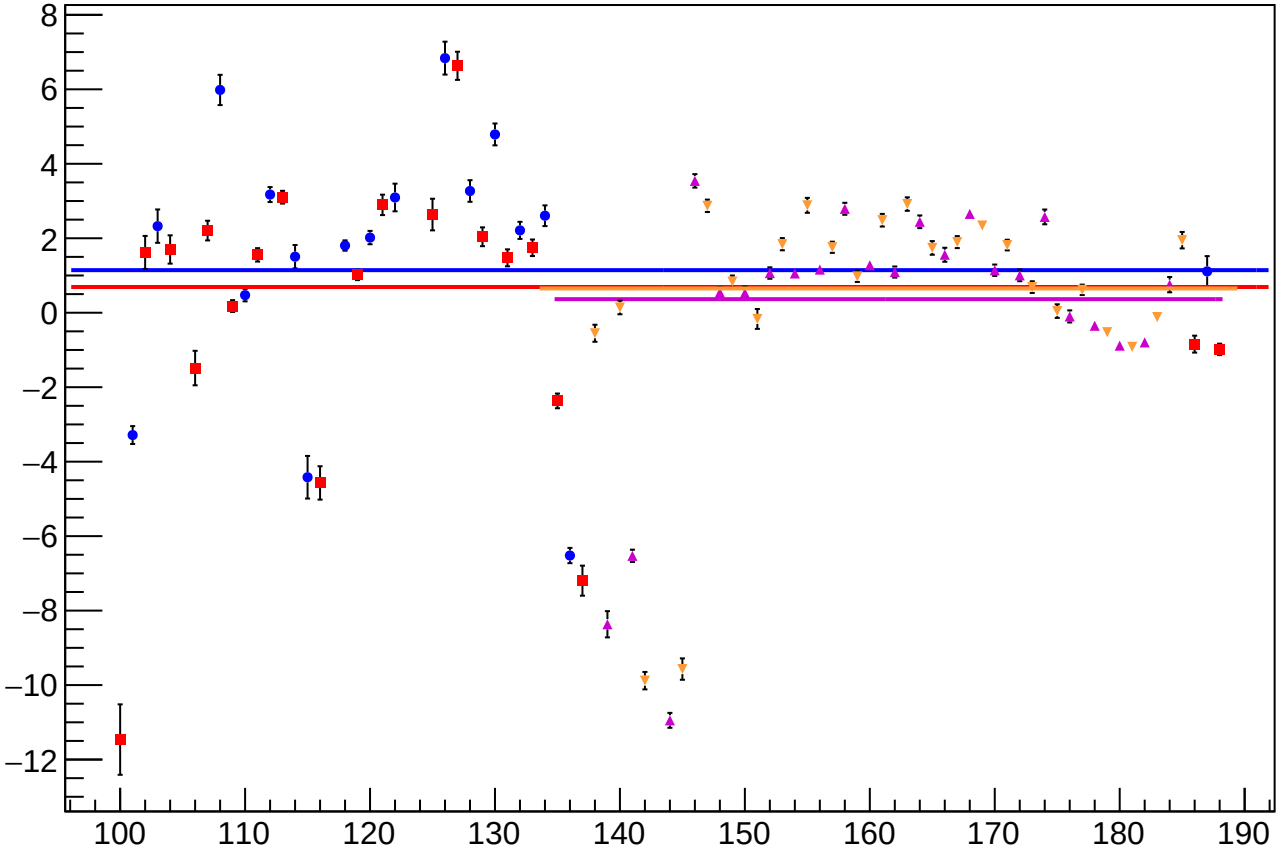
Right: -2.210+/-0.032 χ^2/NDF: 159793.0/36

In: -0.817+/-0.032 χ^2/NDF:213987.6/39

Out: -0.056+/-0.029 χ^2/NDF:214810.3/43

All: -0.399+/-0.021 χ^2/NDF: 429112.2/83

reg_asym_bcm_an_us_an_ds_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.144+/-0.059 χ^2/NDF: 2595.3/16

Left Out: 0.651+/-0.033 χ^2/NDF:4708.8/23

Right Out: 0.691+/-0.052 χ^2/NDF: 1789.4/19

Left In: 0.364+/-0.031 χ^2/NDF:7122.4/22

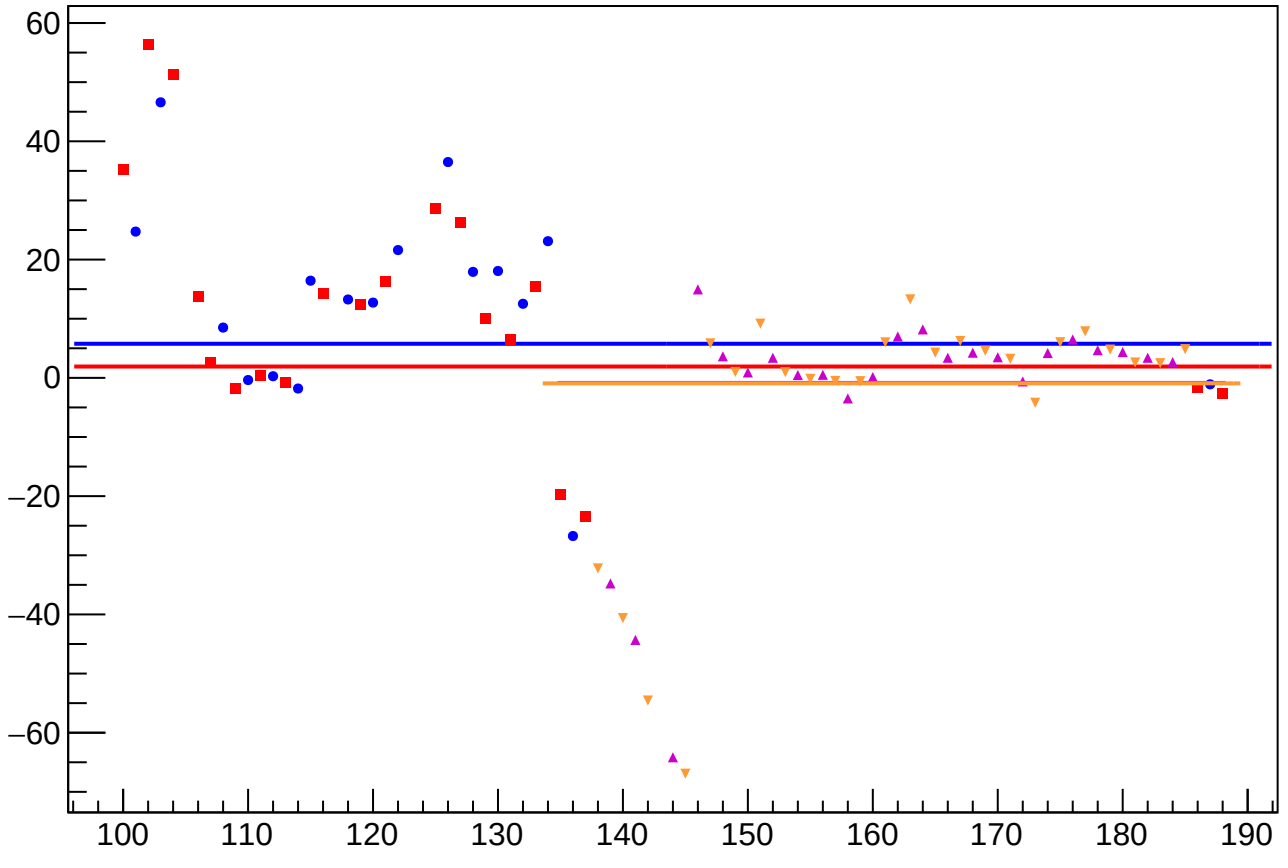
Left: 0.499+/-0.023 χ^2/NDF: 11870.9/46

Right: 0.888+/-0.039 χ^2/NDF: 4417.4/36

In: 0.533+/-0.028 χ^2/NDF:9852.1/39

Out: 0.663+/-0.028 χ^2/NDF:6498.6/43

All: 0.597+/-0.020 χ^2/NDF: 16361.5/83



Right In: 5.766+/-0.062 χ^2/NDF: 72035.1/16

Left Out: -0.927+/-0.041 χ^2/NDF:126360.1/23

Right Out: 1.916+/-0.046 χ^2/NDF: 79990.3/19

Left In: -0.858+/-0.039 χ^2/NDF:129490.8/22

Left: -0.891+/-0.028 χ^2/NDF: 255852.4/46

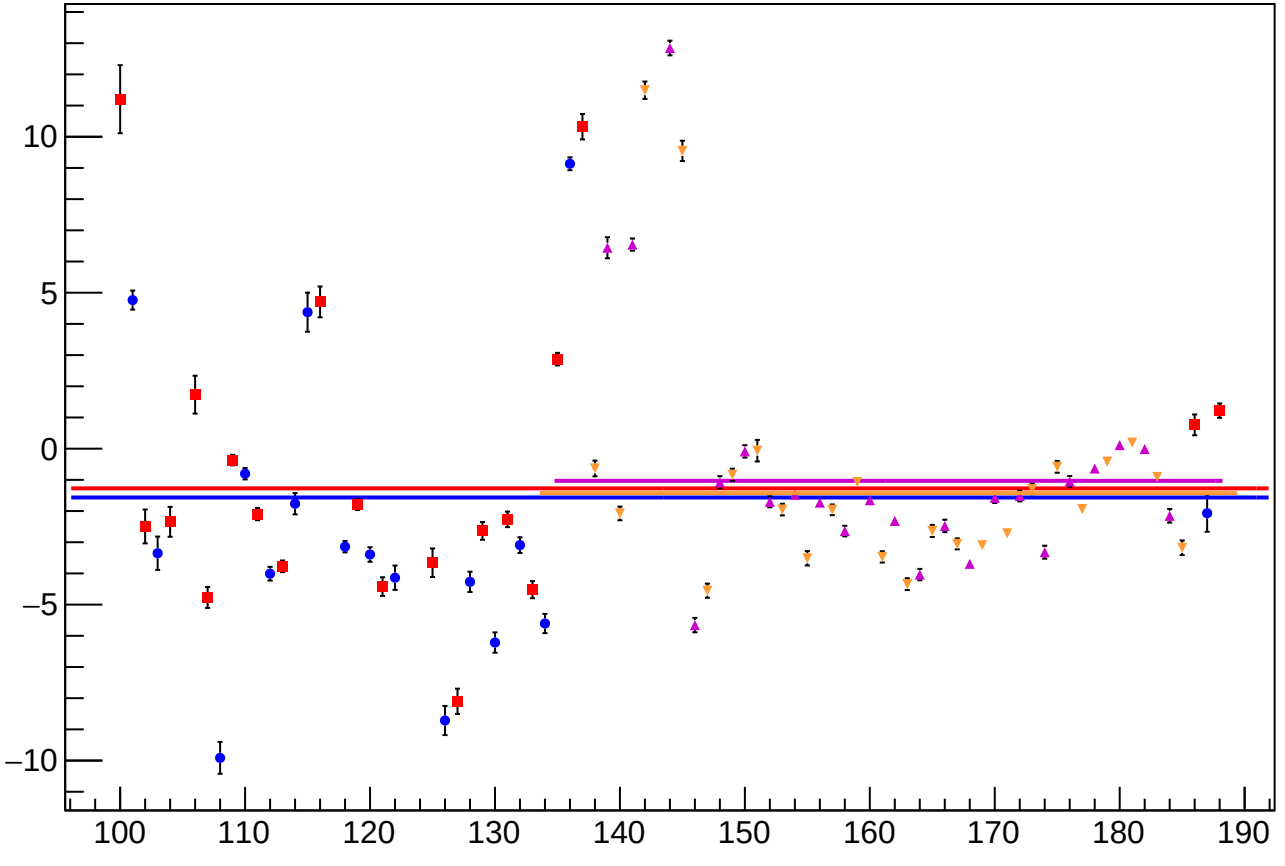
Right: 3.284+/-0.037 χ^2/NDF: 154520.9/36

In: 1.039+/-0.033 χ^2/NDF:209701.8/39

Out: 0.316+/-0.030 χ^2/NDF:208504.4/43

All: 0.646+/-0.022 χ^2/NDF: 418465.4/83

reg_asym_bcm_an_us_an_ds_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.565+/-0.069 χ^2/NDF: 4543.8/16

Left Out: -1.425+/-0.037 χ^2/NDF:4639.6/23

Right Out: -1.273+/-0.061 χ^2/NDF: 2643.7/19

Left In: -1.032+/-0.035 χ^2/NDF:7051.3/22

Left: -1.218+/-0.025 χ^2/NDF: 11751.4/46

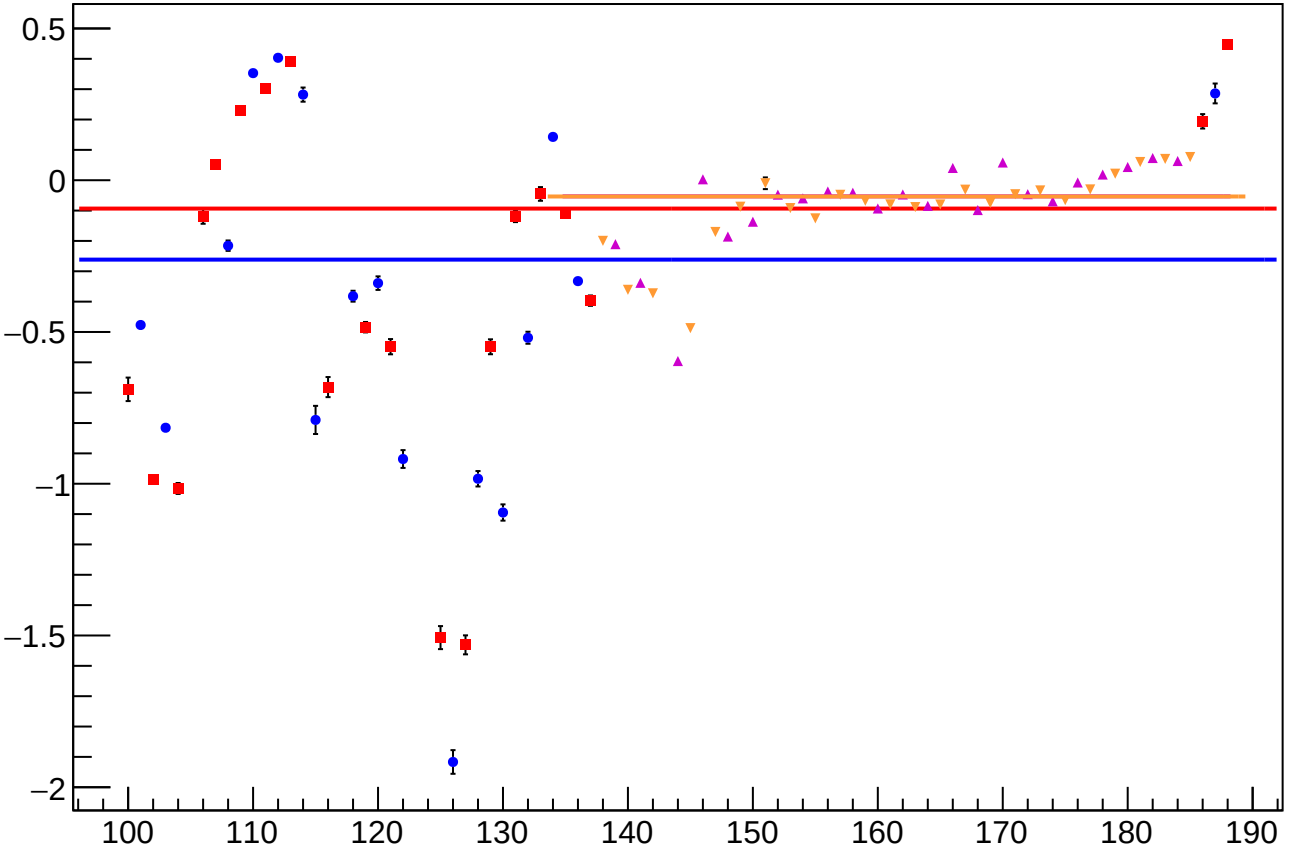
Right: -1.402+/-0.046 χ^2/NDF: 7197.6/36

In: -1.140+/-0.031 χ^2/NDF:11643.0/39

Out: -1.384+/-0.031 χ^2/NDF:7287.8/43

All: -1.261+/-0.022 χ^2/NDF: 18961.5/83

reg_asym_bcm_an_us_an_ds_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.262+/-0.004 χ^2/NDF: 12381.8/16

Left Out: -0.054+/-0.002 χ^2/NDF:4341.2/23

Right Out: -0.093+/-0.004 χ^2/NDF: 17553.9/19

Left In: -0.053+/-0.001 χ^2/NDF:5013.3/22

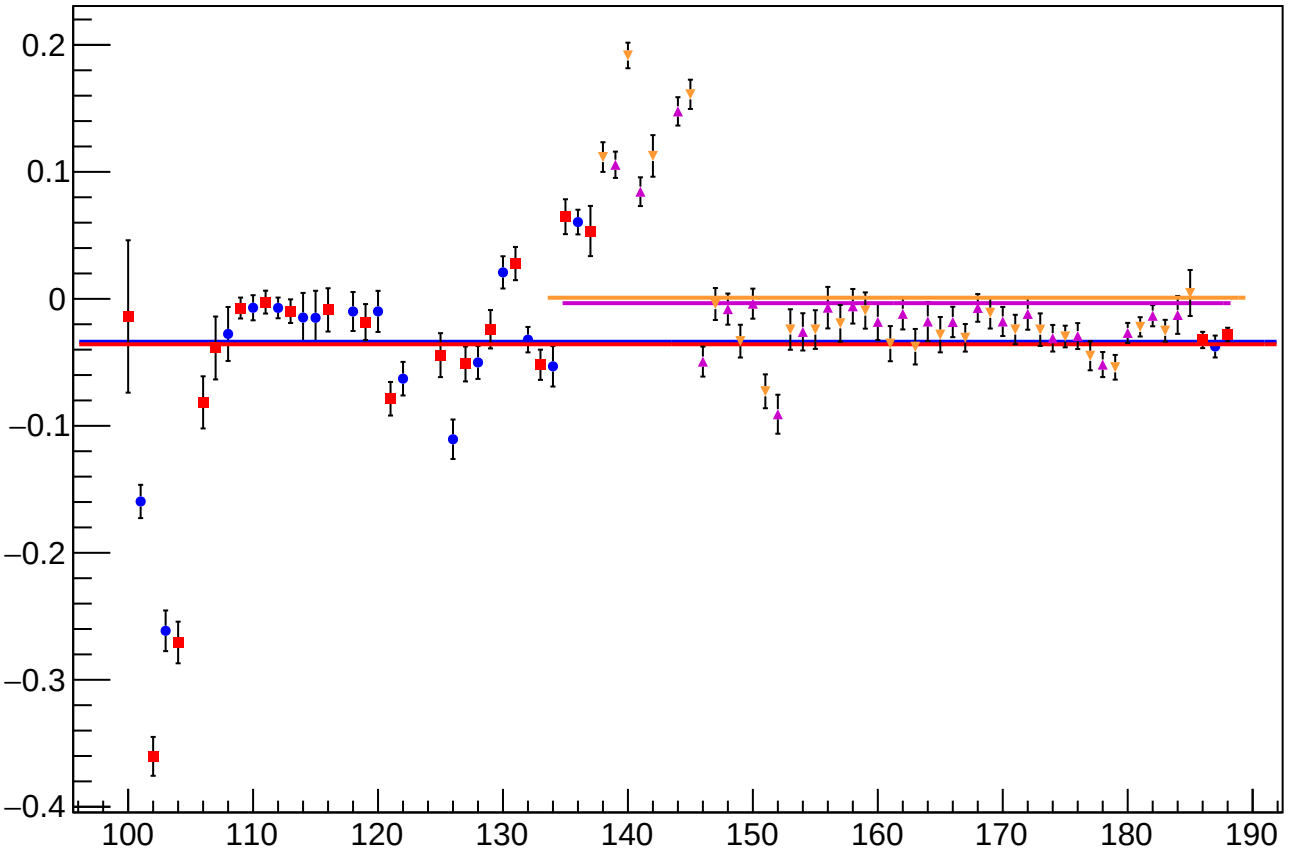
Left: -0.053+/-0.001 χ^2/NDF: 9354.6/46

Right: -0.166+/-0.003 χ^2/NDF: 30892.3/36

In: -0.077+/-0.001 χ^2/NDF:19675.2/39

Out: -0.060+/-0.001 χ^2/NDF:21999.1/43

All: -0.069+/-0.001 χ^2/NDF: 41746.2/83



Right In: -0.034+/-0.003 χ^2/NDF: 463.7/16

Left Out: 0.001+/-0.002 χ^2/NDF:849.7/23

Right Out: -0.036+/-0.003 χ^2/NDF: 811.0/19

Left In: -0.003+/-0.002 χ^2/NDF:457.9/22

Left: -0.001+/-0.002 χ^2/NDF: 1309.2/46

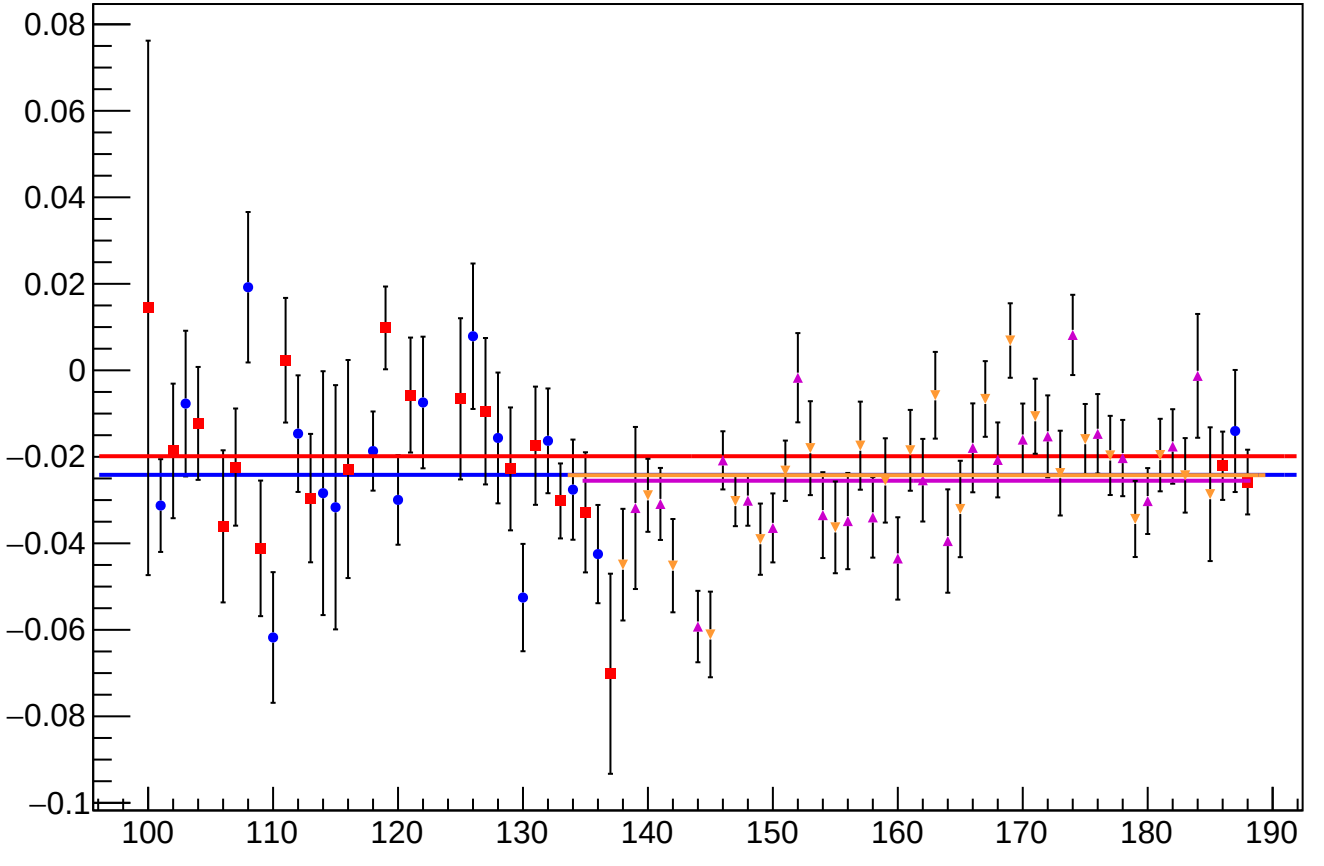
Right: -0.035+/-0.002 χ^2/NDF: 1275.0/36

In: -0.015+/-0.002 χ^2/NDF:983.9/39

Out: -0.016+/-0.002 χ^2/NDF:1771.8/43

All: -0.016+/-0.001 χ^2/NDF: 2756.0/83

reg_asym_bcm_an_us_an_ds_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.024+/-0.003 χ^2/NDF: 29.1/16

Left Out: -0.024+/-0.002 χ^2/NDF:53.7/23

Right Out: -0.020+/-0.003 χ^2/NDF: 25.6/19

Left In: -0.026+/-0.002 χ^2/NDF:55.0/22

Left: -0.025+/-0.001 χ^2/NDF: 109.0/46

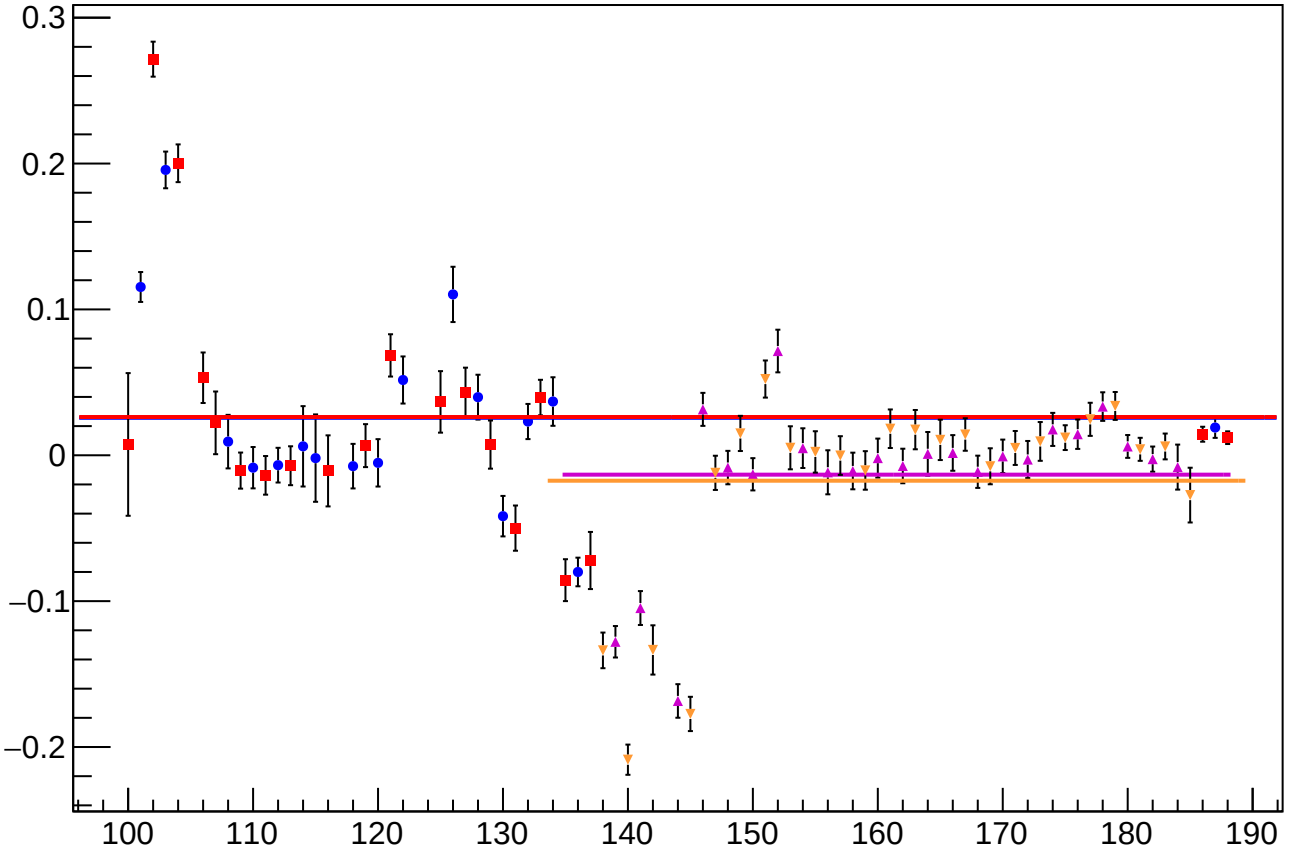
Right: -0.022+/-0.002 χ^2/NDF: 55.7/36

In: -0.025+/-0.002 χ^2/NDF:84.2/39

Out: -0.023+/-0.002 χ^2/NDF:81.0/43

All: -0.024+/-0.001 χ^2/NDF: 166.2/83

reg_asym_bcm_an_us_an_ds_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.026+/-0.003 χ^2/NDF: 447.2/16

Left Out: -0.017+/-0.002 χ^2/NDF:812.1/23

Right Out: 0.026+/-0.002 χ^2/NDF: 768.1/19

Left In: -0.013+/-0.002 χ^2/NDF:458.6/22

Left: -0.015+/-0.002 χ^2/NDF: 1272.2/46

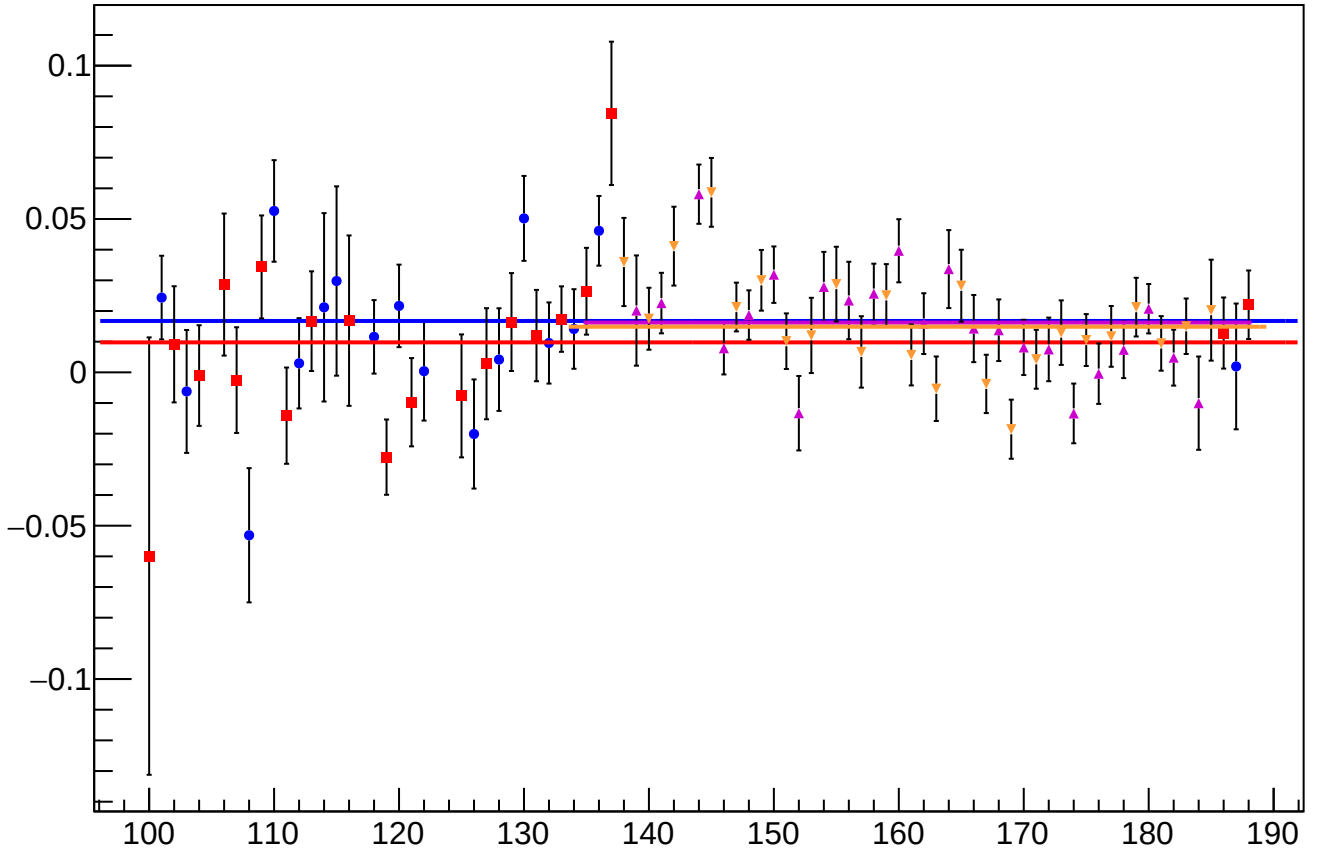
Right: 0.026+/-0.002 χ^2/NDF: 1215.3/36

In: 0.001+/-0.002 χ^2/NDF:1001.6/39

Out: 0.004+/-0.002 χ^2/NDF:1743.6/43

All: 0.002+/-0.001 χ^2/NDF: 2746.6/83

reg_asym_bcm_an_us_an_ds_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.017+/-0.004 χ^2/NDF: 37.2/16

Left Out: 0.015+/-0.002 χ^2/NDF:52.1/23

Right Out: 0.010+/-0.004 χ^2/NDF: 32.9/19

Left In: 0.016+/-0.002 χ^2/NDF:58.0/22

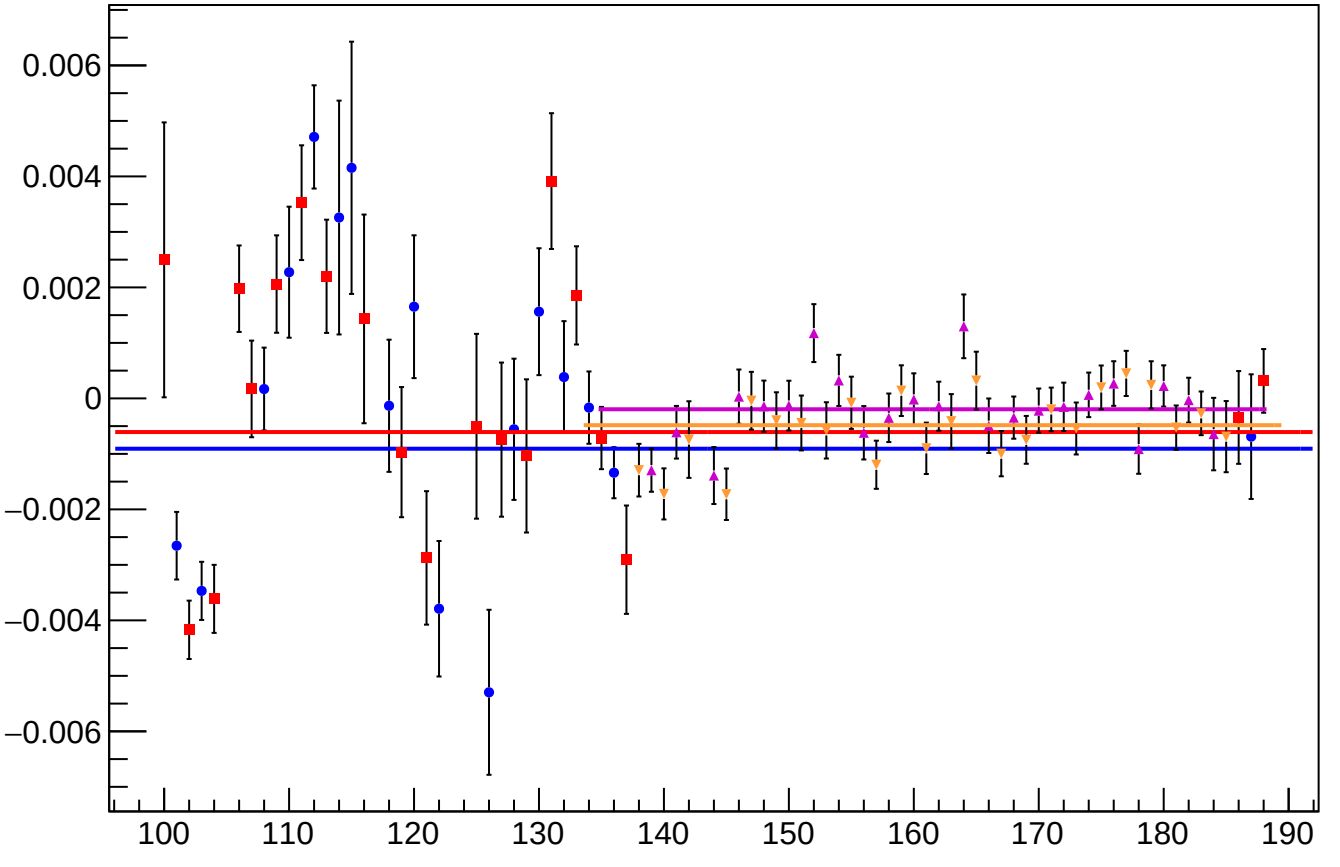
Left: 0.016+/-0.001 χ^2/NDF: 110.2/46

Right: 0.013+/-0.003 χ^2/NDF: 71.9/36

In: 0.016+/-0.002 χ^2/NDF:95.2/39

Out: 0.014+/-0.002 χ^2/NDF:86.5/43

All: 0.015+/-0.001 χ^2/NDF: 182.9/83



Right In: -0.001+/-0.000 χ^2/NDF: 114.1/16

Left Out: -0.000+/-0.000 χ^2/NDF:40.8/23

Right Out: -0.001+/-0.000 χ^2/NDF: 150.7/19

Left In: -0.000+/-0.000 χ^2/NDF:37.2/22

Left: -0.000+/-0.000 χ^2/NDF: 82.8/46

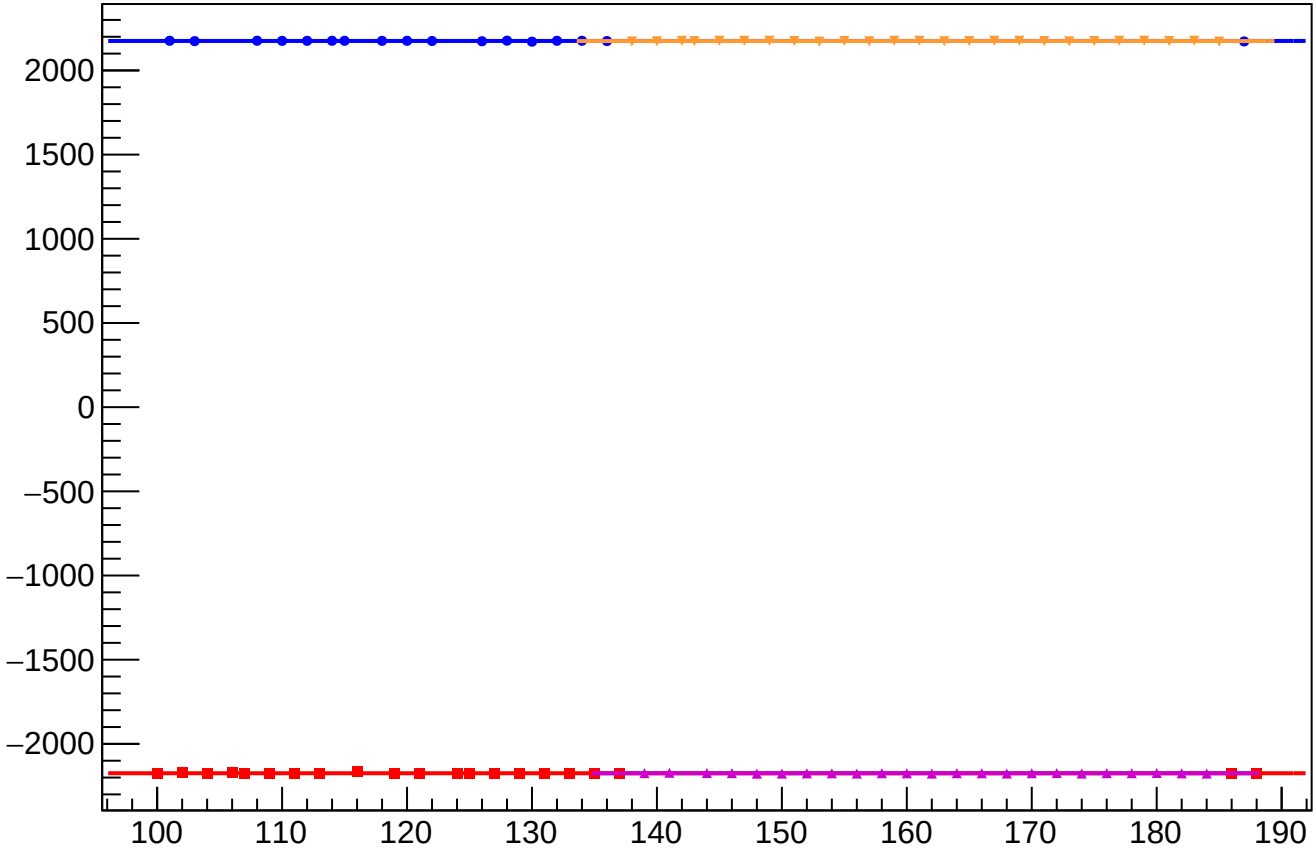
Right: -0.001+/-0.000 χ^2/NDF: 265.9/36

In: -0.000+/-0.000 χ^2/NDF:161.0/39

Out: -0.001+/-0.000 χ^2/NDF:191.9/43

All: -0.000+/-0.000 χ^2/NDF: 355.5/83

HALLA_p_mean vs Slug, Sign Corrected



Right In: 2175.131+/-0.000 χ^2/NDF: 191078996952697363009681250005811 2.0/16

Left Out: 2174.643+/-0.000 χ^2/NDF:52116844463194421571996575984517 12.0/24

Right Out: -2174.392+/-0.000 χ^2/NDF: 57082692105556374847098312248524 80.0/20

Left In: -2174.573+/-0.000 χ^2/NDF:34312670977938388457288638157291 52.0/22

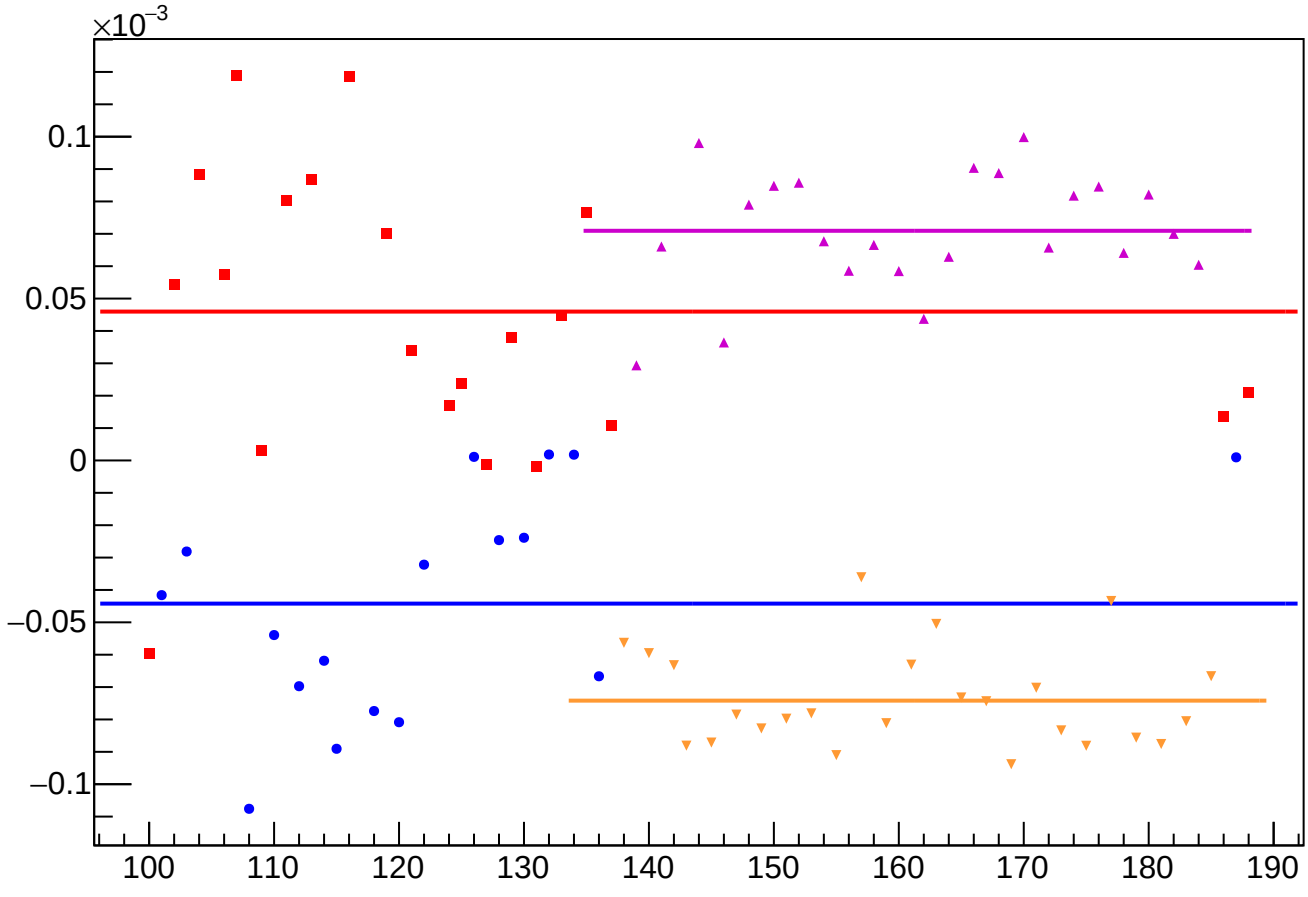
Left: 62.103+/-0.000 χ^2/NDF: 18541167673153150

Right: -189.024+/-0.000 χ^2/NDF: 781504610912421

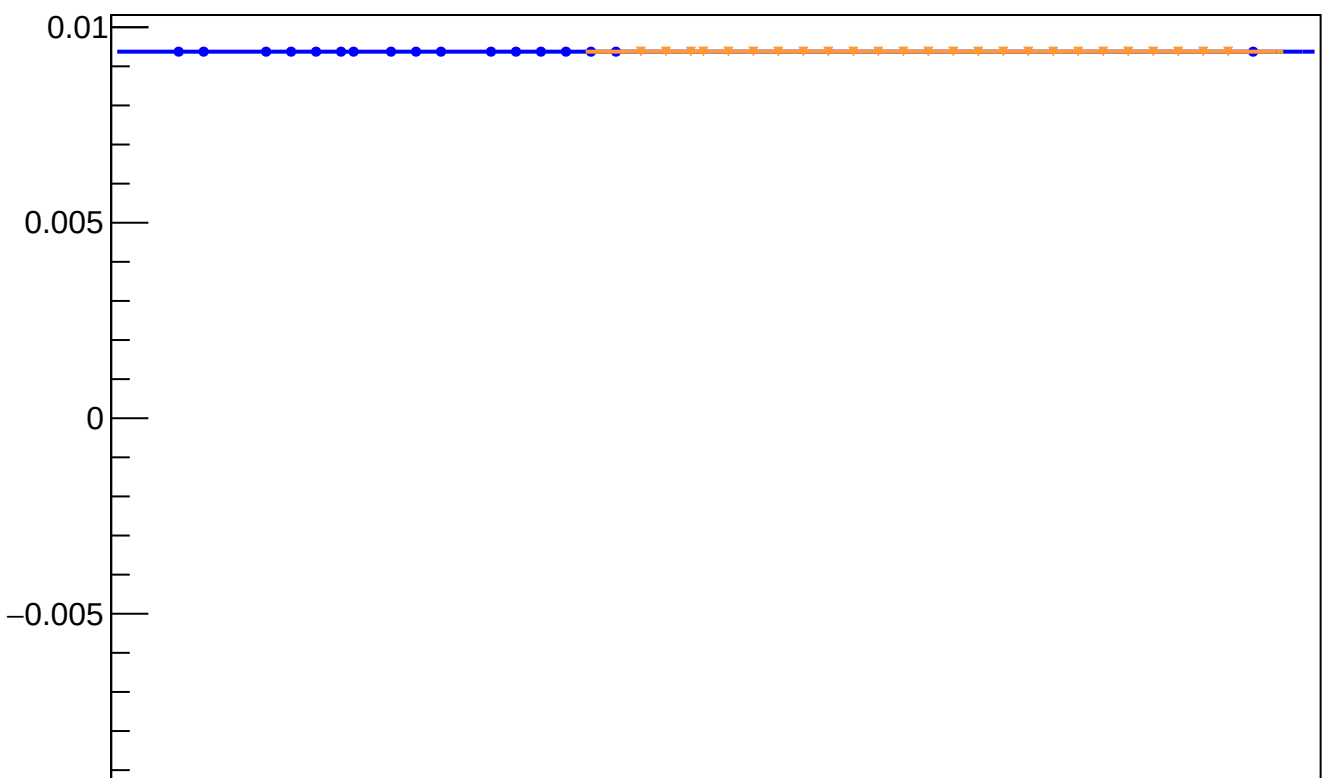
In: -934.597+/-0.000 χ^2/NDF:10280066826711221

Out: 828.123+/-0.000 χ^2/NDF:11817536747265721

All: -12.709+/-0.000 χ^2/NDF: 264299356490


HALLA_dpp_mean vs Slug, Sign Corrected
×10⁻³
0.1
0.05
0
−0.05
−0.1
100
110
120
130
140
150
160
170
180
190
Right In: -0.000+/-0.000 χ²/NDF: 752912108436423874445312.0/16
Left Out: -0.000+/-0.000 χ²/NDF:4718347685513097925099520/24
Right Out: 0.000+/-0.000 χ²/NDF: 113785178351693150656921 6.0/20
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: 52515628281777629
In: 0.000+/-0.000 χ²/NDF:858903317111354654 3
Out: -0.000+/-0.000 χ²/NDF:10631345870554709
All: -0.000+/-0.000 χ²/NDF: 2708176048799

MQ171LM_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 0.1/16

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: -0.009+/-0.000 χ^2/NDF: 0.1/20

Left In: -0.009+/-0.000 χ^2/NDF:0.1/22

Left: 0.000+/-0.000 χ^2/NDF: 344601849197246623

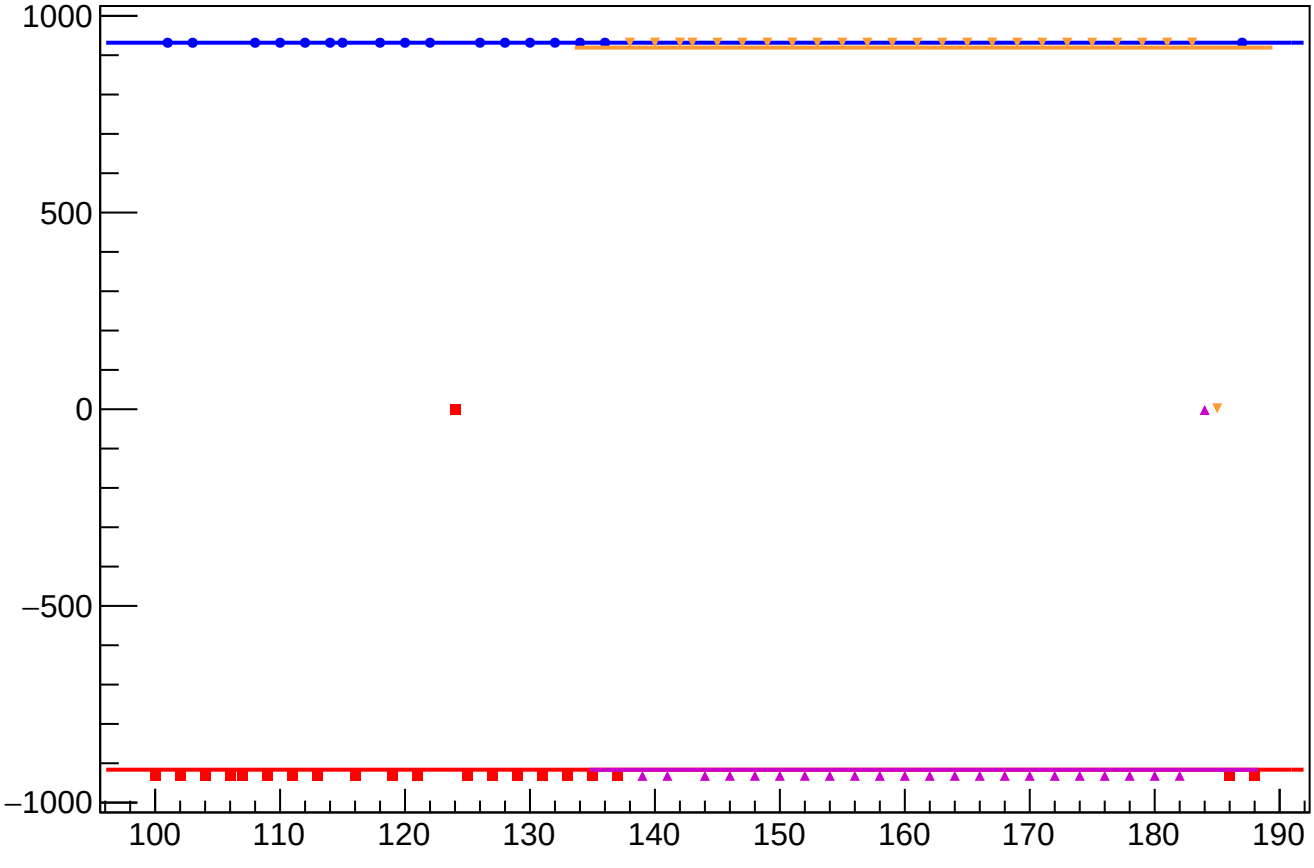
Right: -0.001+/-0.000 χ^2/NDF: 14522804054054039

In: -0.004+/-0.000 χ^2/NDF:191020020630157096

Out: 0.004+/-0.000 χ^2/NDF:219656201890180792

All: -0.000+/-0.000 χ^2/NDF: 4912035778985

HacL_Q2_HP3458A_IOUT_mean vs Slug, Sign Corrected



Left: 27.548+/-0.000 χ^2/NDF: 3353551808219363

Right In: 931.771+/-0.000 χ^2/NDF: 2846654780868957546868142768128.0/16

Right: -72.754+/-0.000 χ^2/NDF: 142372163300455

Left Out: 919.347+/-0.000 χ^2/NDF:230211234962152806190415261330812436 48.0/24

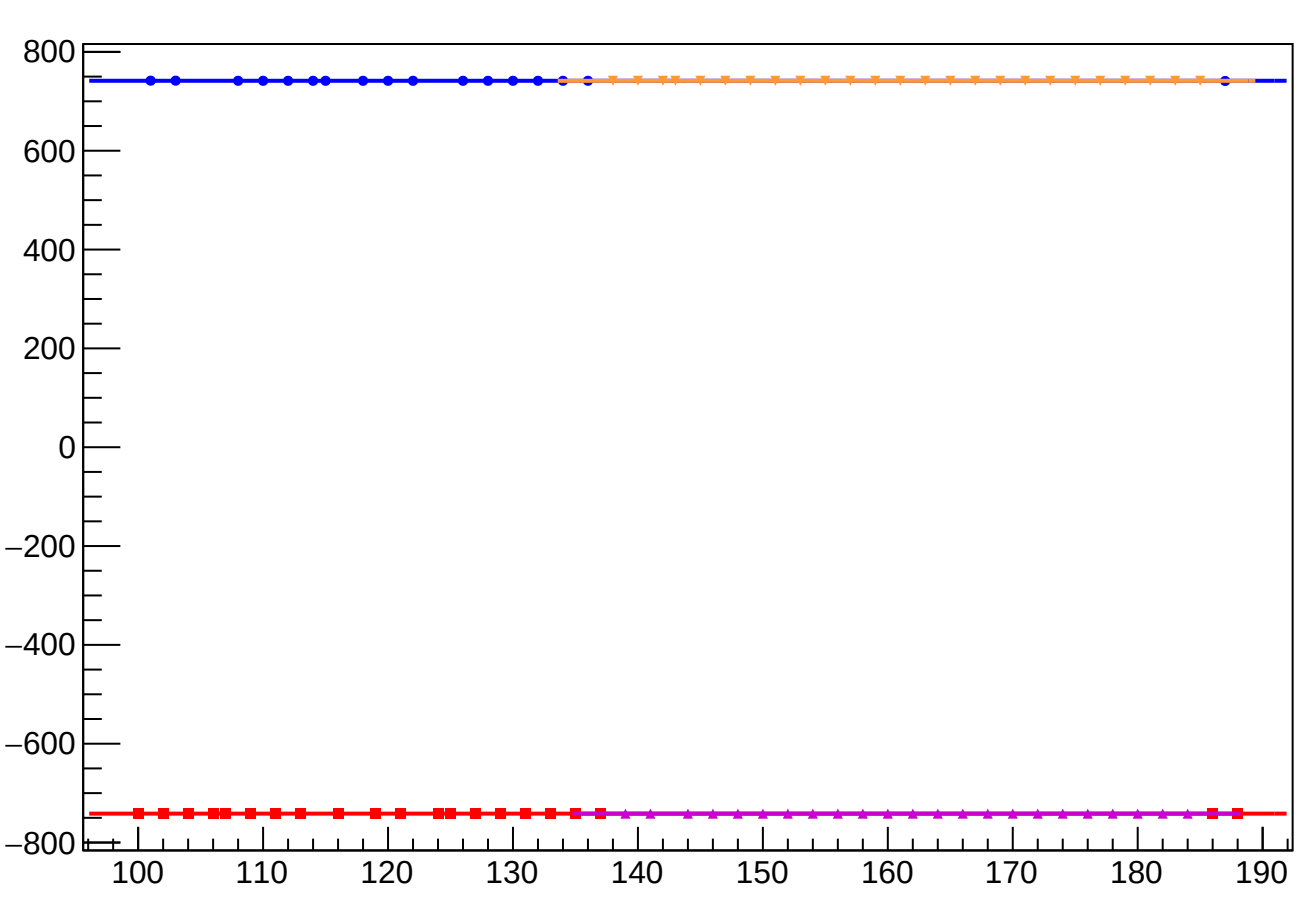
In: -389.721+/-0.000 χ^2/NDF:1882806043082395

Right Out: -916.334+/-0.000 χ^2/NDF: 1280639838157783790353640081501 4019072.0/20

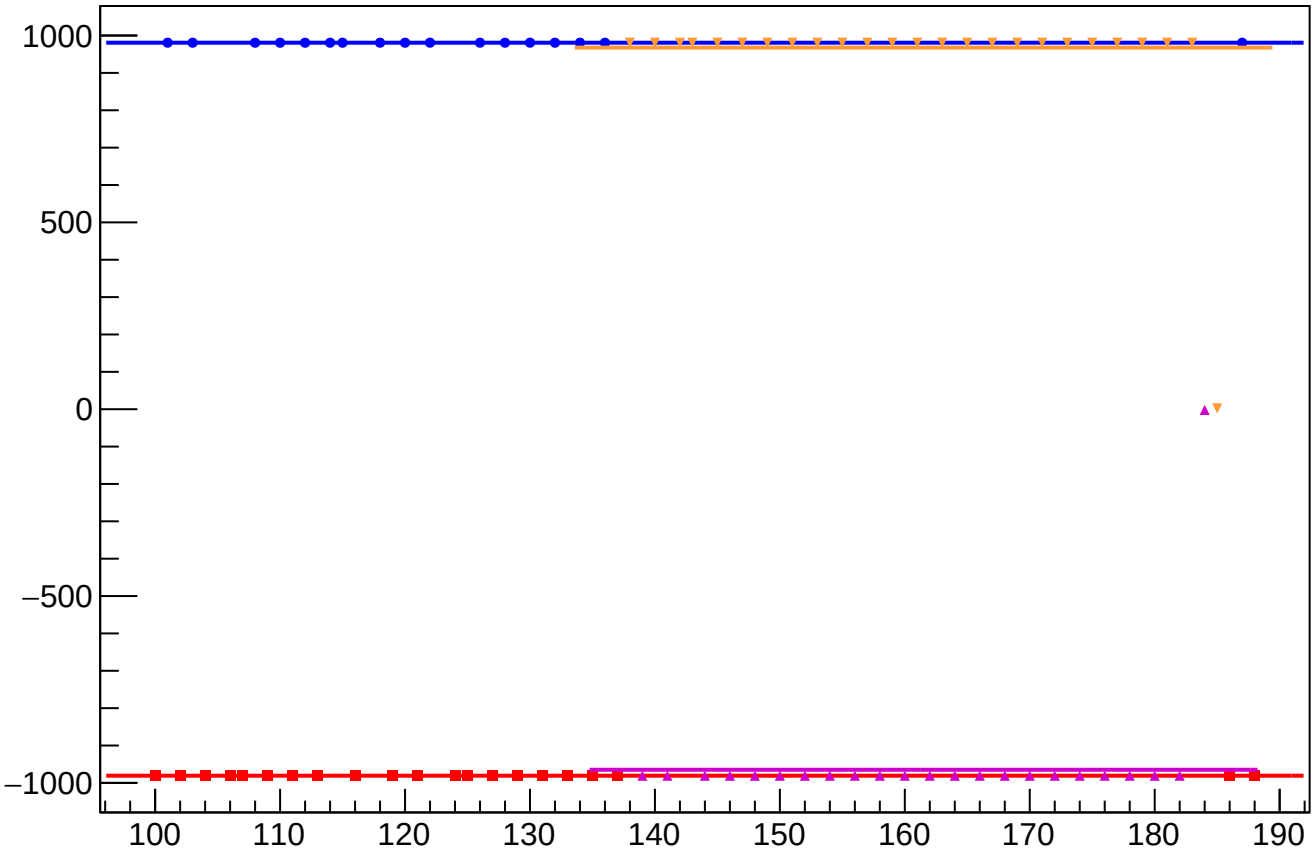
Out: 350.996+/-0.000 χ^2/NDF:214123092359036

Left In: -916.654+/-0.000 χ^2/NDF:263697449311835480737856648421855723 52.0/22

All: -2.332+/-0.000 χ^2/NDF: 4789034196379


HacL_D1_HP3458A_IOUT_mean vs Slug, Sign Corrected
800
600
400
200
0
−200
−400
−600
−800
100
110
120
130
140
150
160
170
180
190
Right In: 741.559+/-0.000 χ²/NDF: 947090452511535159119197713203 2.0/16
Left Out: 741.513+/-0.000 χ²/NDF:25197631076812629623188960051 2.0/24
Right Out: -741.512+/-0.000 χ²/NDF: 28035322567735962151955533398016.0/20
Left In: -741.513+/-0.000 χ²/NDF:23470398303008542318589588275 2.0/22
Left: 21.165+/-0.000 χ²/NDF: 21558191183425632
Right: -64.555+/-0.000 χ²/NDF: 90859789620851 2
In: -318.732+/-0.000 χ²/NDF:11950894471874 33
Out: 282.349+/-0.000 χ²/NDF:13741619057867 82
All: -4.372+/-0.000 χ²/NDF: 3073006526573

HacL_Q3_HP3458A_IOUT_mean vs Slug, Sign Corrected



Left: 28.991+/-0.000 χ^2/NDF: 37154523356806808

Right In: 980.804+/-0.000 χ^2/NDF: 9342394201596214238803530874880.0/16

Right: -85.390+/-0.000 χ^2/NDF: 1589467630774659

Left Out: 967.677+/-0.000 χ^2/NDF:2550515560327992564154129577963369267 2.0/24

In: -410.203+/-0.000 χ^2/NDF:2086097987555687

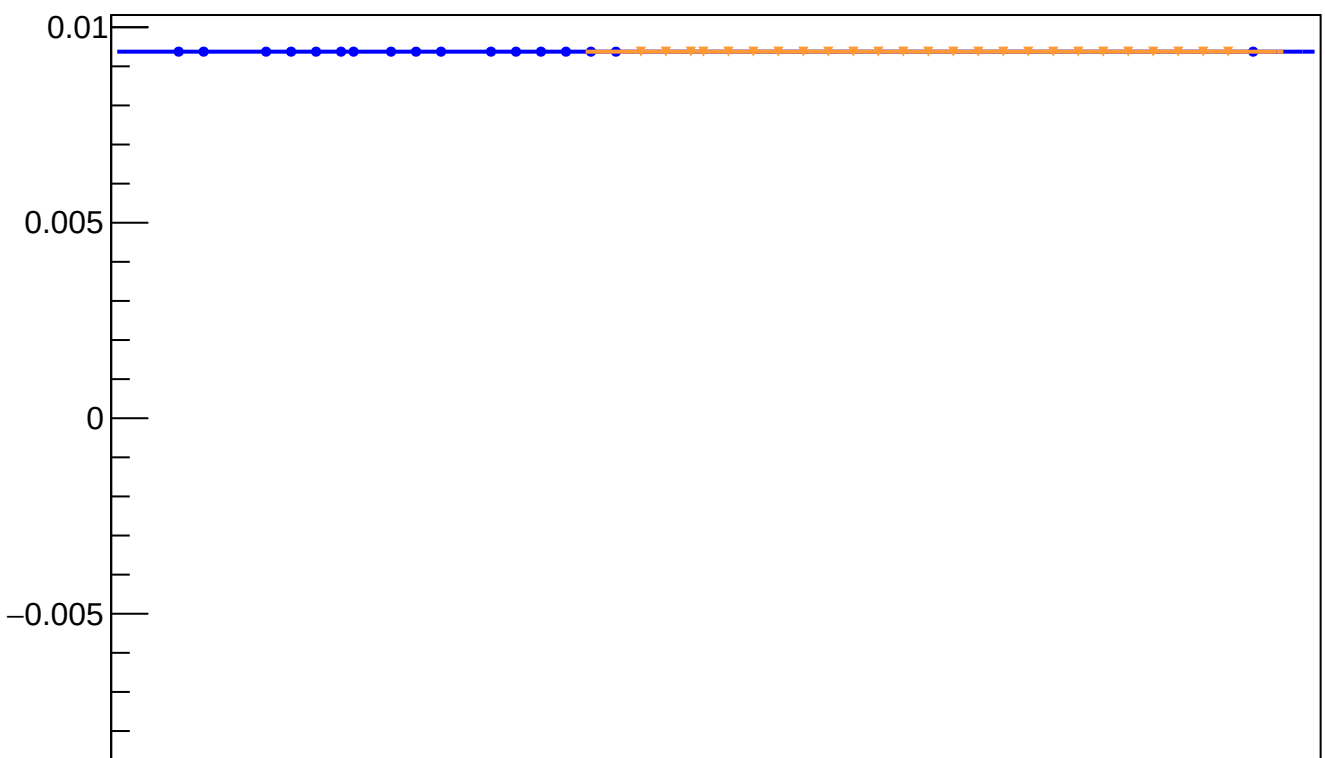
Right Out: -980.757+/-0.000 χ^2/NDF: 6163263749204714166357262860288 0.0/20

Out: 364.415+/-0.000 χ^2/NDF:2397491808058156

Left In: -964.854+/-0.000 χ^2/NDF:2921583896010307878411284562824501 6576.0/22

All: -5.084+/-0.000 χ^2/NDF: 5320213710995

MQ172RM_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 0.1/16

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: -0.009+/-0.000 χ^2/NDF: 0.1/20

Left In: -0.009+/-0.000 χ^2/NDF:0.1/22

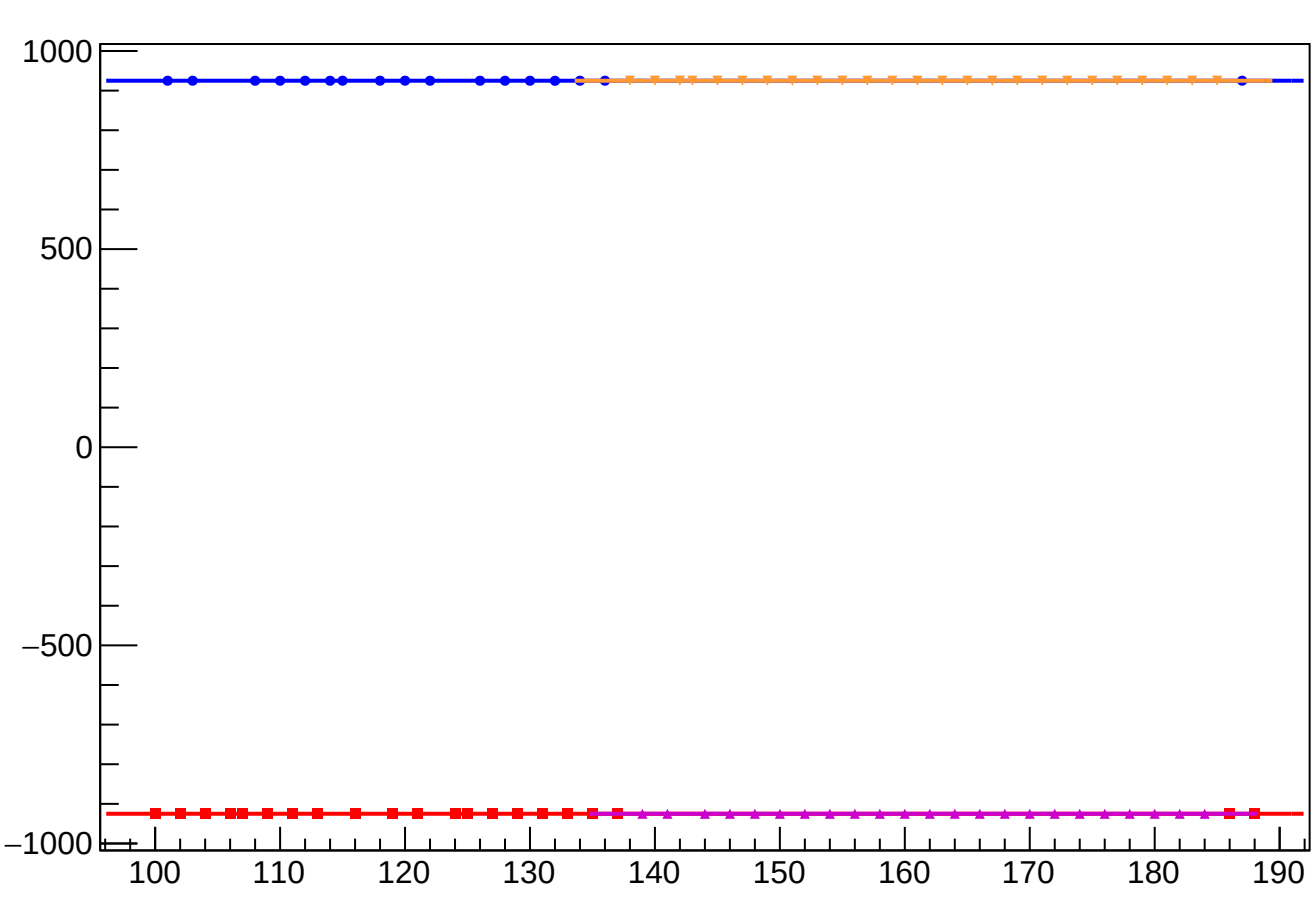
Left: 0.000+/-0.000 χ^2/NDF: 344601849197246623

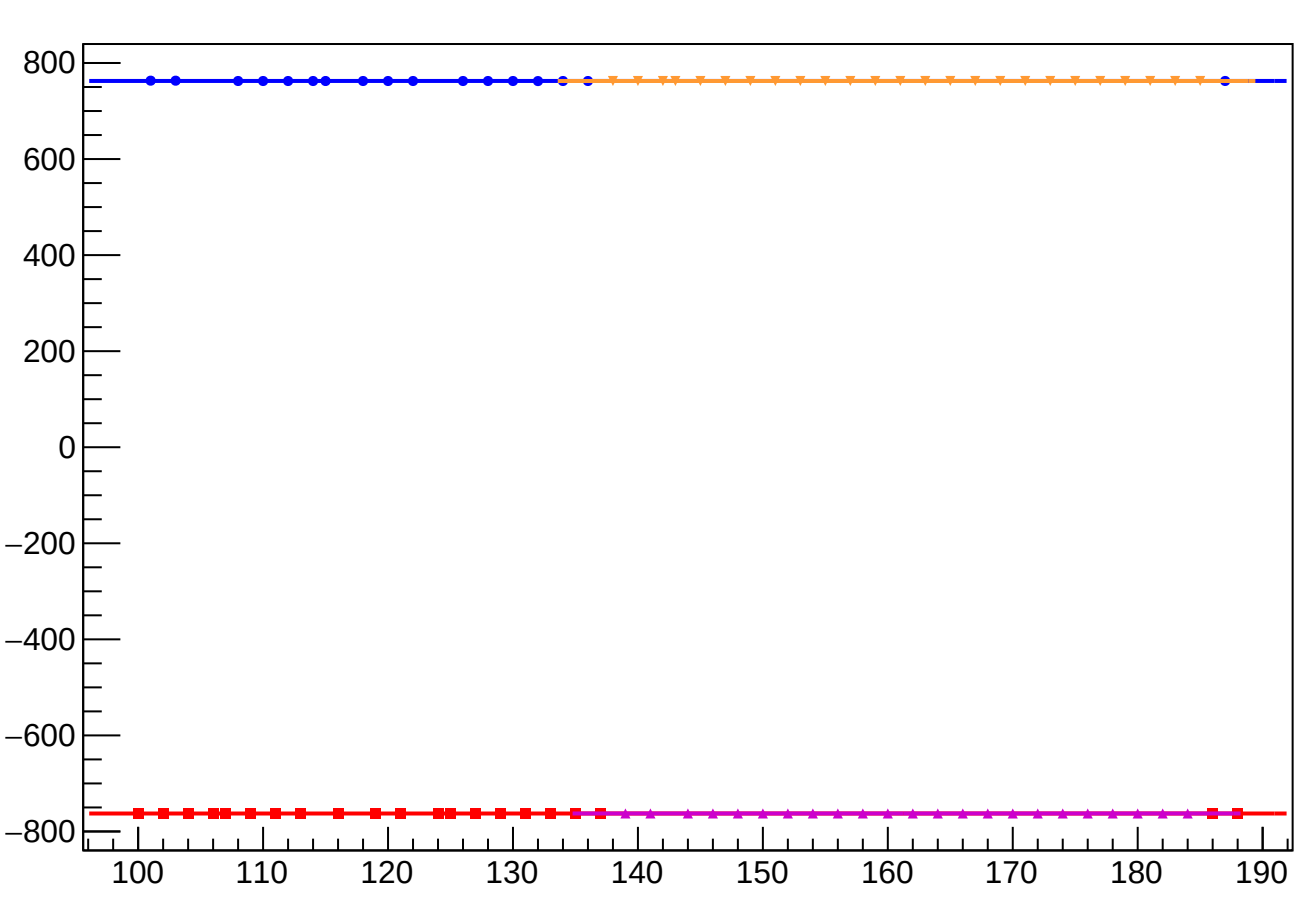
Right: -0.001+/-0.000 χ^2/NDF: 14522804054054039

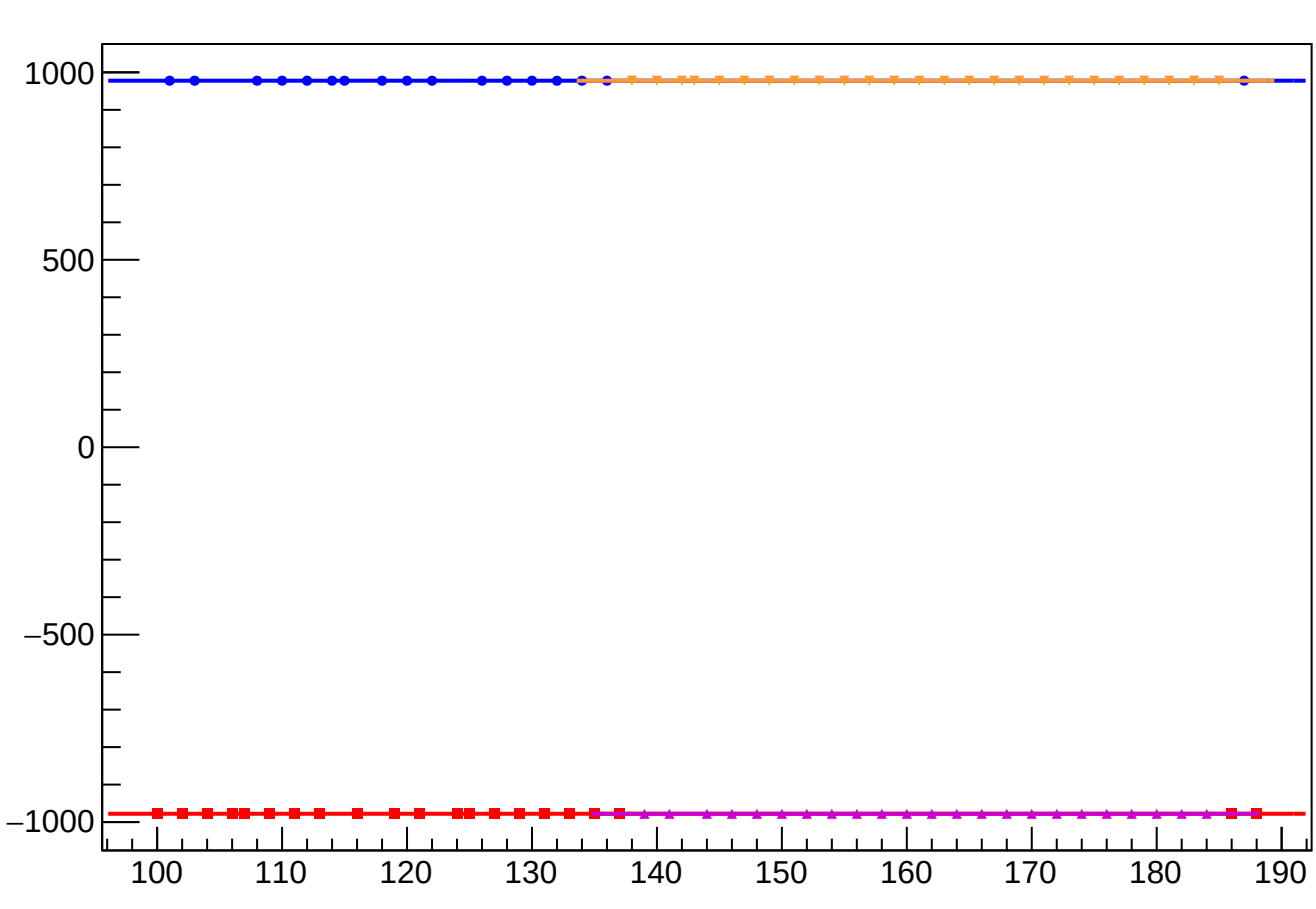
In: -0.004+/-0.000 χ^2/NDF:191020020630157096

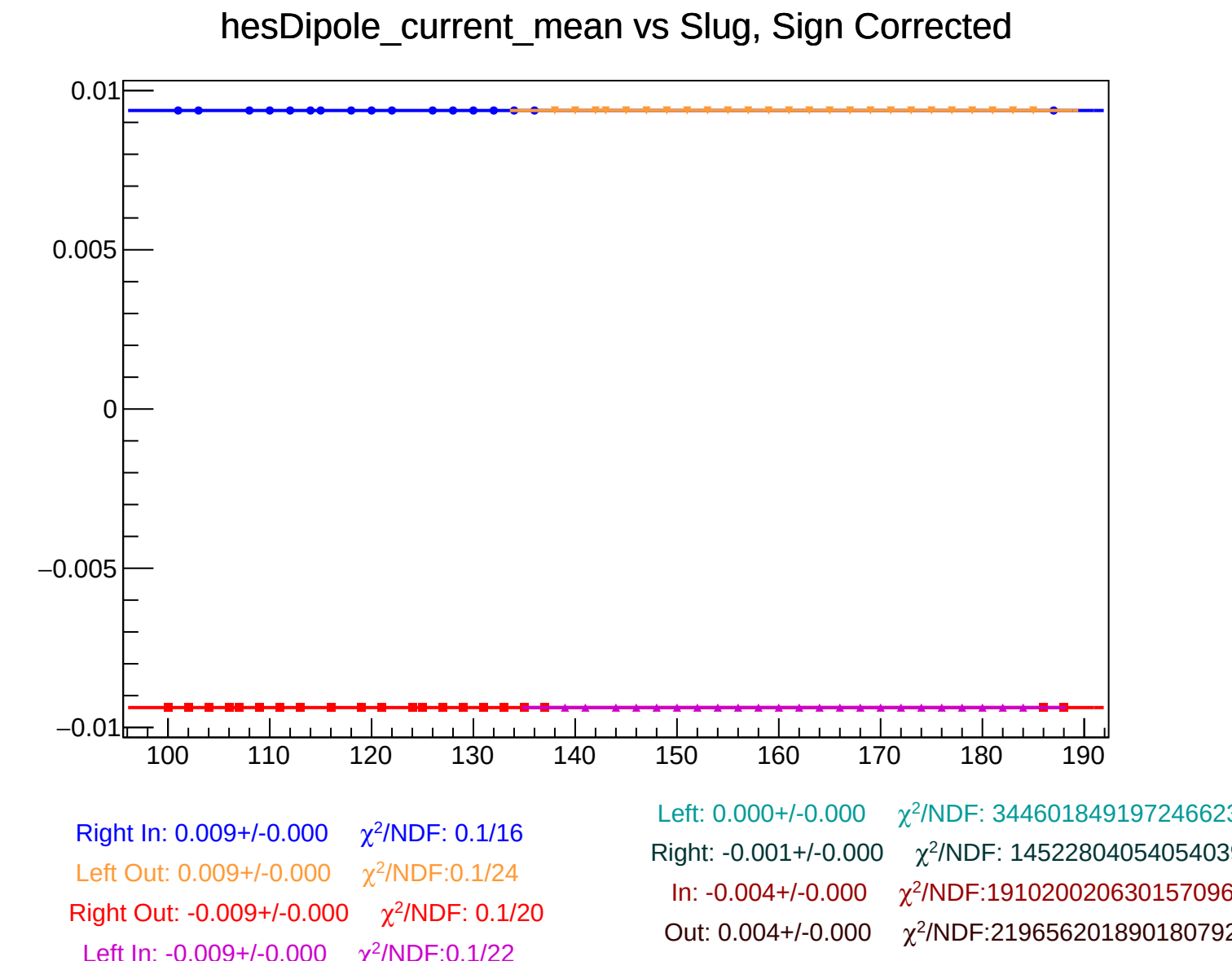
Out: 0.004+/-0.000 χ^2/NDF:219656201890180792

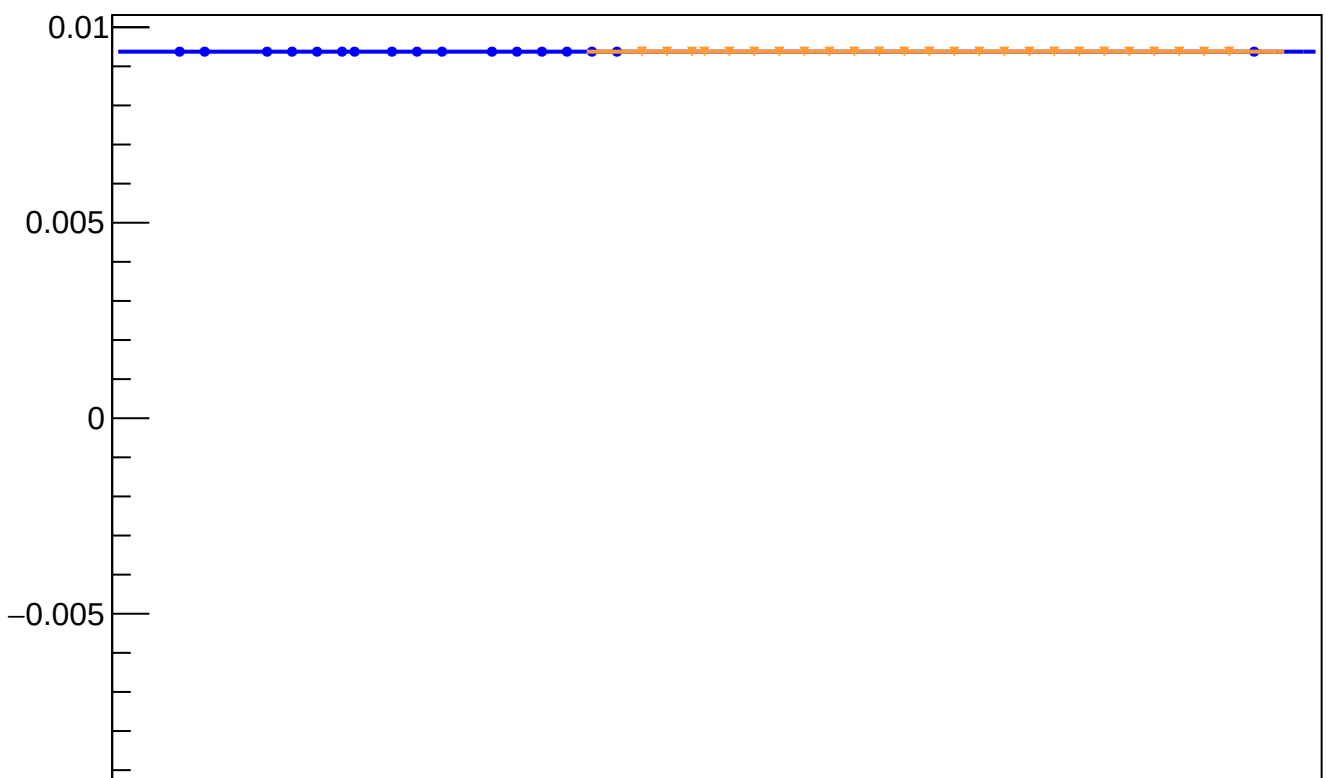
All: -0.000+/-0.000 χ^2/NDF: 4912035778985


HacR_Q2_HP3458A_IOUT_mean vs Slug, Sign Corrected
1000
500
0
−500
−1000
100
110
120
130
140
150
160
170
180
190
Left: 26.401+/-0.000 χ²/NDF: 3354615142636374
Right In: 924.968+/-0.000 χ²/NDF: 259552584341615472852040941568 0.0/16
Right: -80.560+/-0.000 χ²/NDF: 141373328366692
Left Out: 924.983+/-0.000 χ²/NDF:116111269834424613766716771532 8.0/24
In: -397.615+/-0.000 χ²/NDF:185950169135609
Right Out: -924.982+/-0.000 χ²/NDF: 151613864776108157946391062118 4.0/20
Out: 352.209+/-0.000 χ²/NDF:213829629783064
Left In: -924.983+/-0.000 χ²/NDF:928270307181587701368348475392.0/22
All: -5.463+/-0.000 χ²/NDF: 4781722549204


HacR_D1_HP3458A_IOUT_mean vs Slug, Sign Corrected
800
600
400
200
0
−200
−400
−600
−800
100
110
120
130
140
150
160
170
180
190
Left: 21.764+/-0.000 χ²/NDF: 2279690166404058
Right In: 762.610+/-0.000 χ²/NDF: 52185551038274865981171748044800.0/16
Right: -66.414+/-0.000 χ²/NDF: 960978085677689
Left Out: 762.518+/-0.000 χ²/NDF:767703709161817083348479115264.0/24
In: -327.748+/-0.000 χ²/NDF:1263831698873969
Right Out: -762.611+/-0.000 χ²/NDF: 53366897036680519494797151436800.0/20
Out: 290.318+/-0.000 χ²/NDF:145329684794773
Left In: -762.519+/-0.000 χ²/NDF:67064753778125939445211961753 6.0/22
All: -4.505+/-0.000 χ²/NDF: 3249757535582


HacR_Q3_HP3458A_IOUT_mean vs Slug, Sign Corrected
1000
500
0
−500
−1000
100
110
120
130
140
150
160
170
180
190
Right In: 977.750+/-0.000 χ²/NDF: 2009394290642625494150136463360.0/16
Left Out: 977.738+/-0.000 χ²/NDF:1178407872566336572325000904704.0/24
Right Out: -977.753+/-0.000 χ²/NDF: 19465007490040243939497297838080/20
Left In: -977.735+/-0.000 χ²/NDF:109676643760541725462707254067 2.0/22
Left: 27.908+/-0.000 χ²/NDF: 37481642757083146
Right: -85.151+/-0.000 χ²/NDF: 157966544795909
In: -420.282+/-0.000 χ²/NDF:2077713410587402
Out: 372.291+/-0.000 χ²/NDF:2389199246136972
All: -5.773+/-0.000 χ²/NDF: 5342772041601


hesDipole_current_mean vs Slug, Sign Corrected
0.01
0.005
0
−0.005
−0.01
100
110
120
130
140
150
160
170
180
190
Right In: 0.009+/-0.000 χ²/NDF: 0.1/16
Left Out: 0.009+/-0.000 χ²/NDF:0.1/24
Right Out: -0.009+/-0.000 χ²/NDF: 0.1/20
Left In: -0.009+/-0.000 χ²/NDF:0.1/22
Left: 0.000+/-0.000 χ²/NDF: 34460184919724662
Right: -0.001+/-0.000 χ²/NDF: 1452280405405403
In: -0.004+/-0.000 χ²/NDF:191020020630157096
Out: 0.004+/-0.000 χ²/NDF:219656201890180792
All: -0.000+/-0.000 χ²/NDF: 4912035778985



Right In: 0.009+/-0.000 χ^2/NDF: 0.1/16

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: -0.009+/-0.000 χ^2/NDF: 0.1/20

Left In: -0.009+/-0.000 χ^2/NDF:0.1/22

Left: 0.000+/-0.000 χ^2/NDF: 344601849197246623

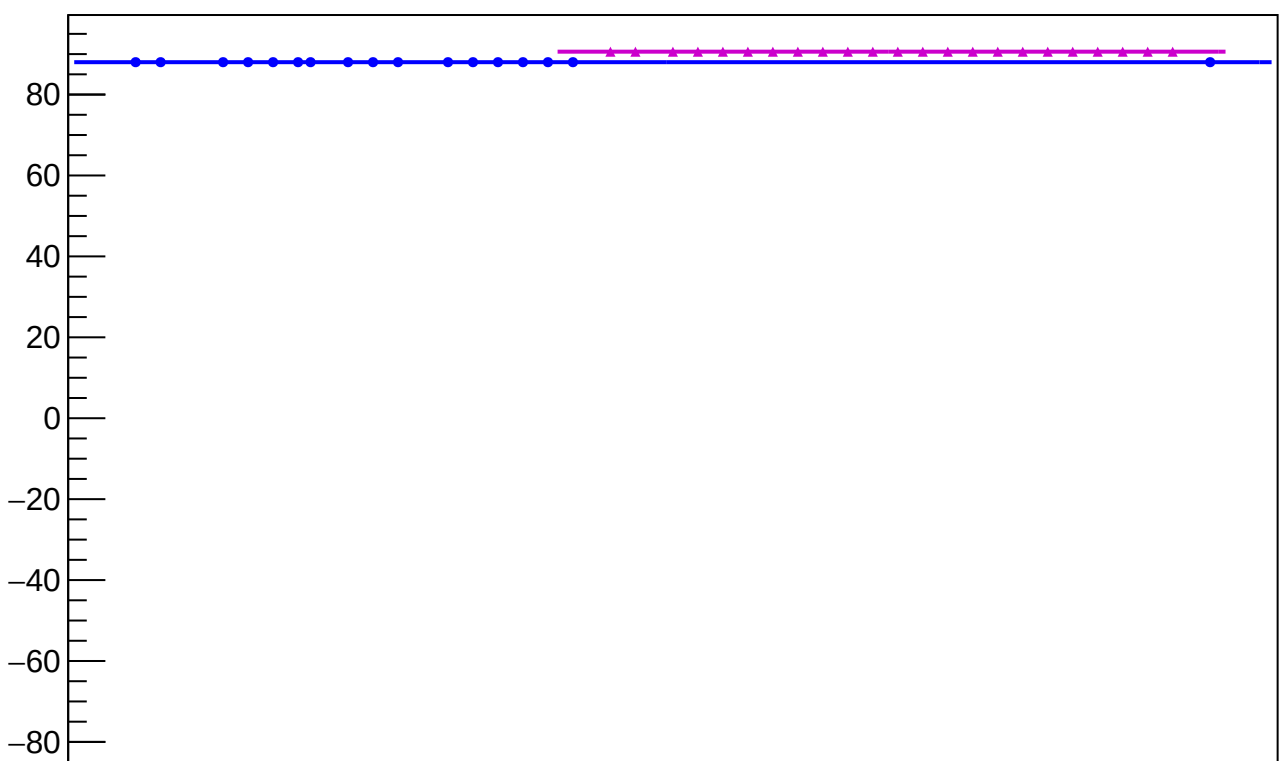
Right: -0.001+/-0.000 χ^2/NDF: 14522804054054039

In: -0.004+/-0.000 χ^2/NDF:191020020630157096

Out: 0.004+/-0.000 χ^2/NDF:219656201890180792

All: -0.000+/-0.000 χ^2/NDF: 4912035778985

VWienAngle_mean vs Slug, Sign Corrected



Right In: 88.001+/-0.000 χ^2/NDF: 1583275.4/16

Left Out: -90.599+/-0.000 χ^2/NDF:5219558.1/24

Right Out: -88.003+/-0.000 χ^2/NDF: 7410216135460395936764238233 6.0/20

Left In: 90.599+/-0.000 χ^2/NDF:7520558.1/22

Left: -2.586+/-0.000 χ^2/NDF: 32182865130583949

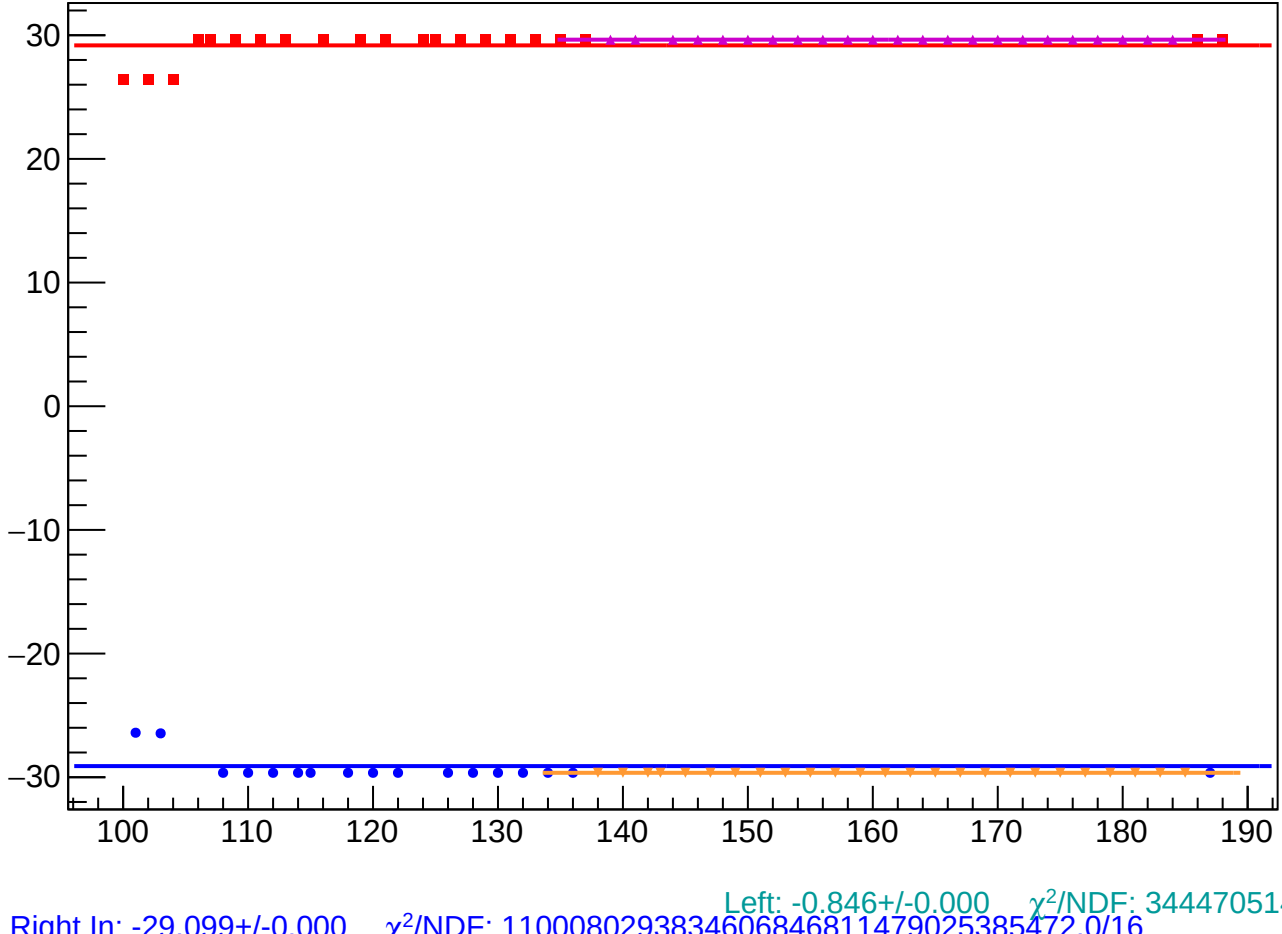
Right: -7.665+/-0.000 χ^2/NDF: 1279650765925757

In: 89.859+/-0.000 χ^2/NDF:366904571252156550

Out: -89.795+/-0.000 χ^2/NDF:4211755091529879

All: -4.099+/-0.000 χ^2/NDF: 4500952882974

HWienAngle_mean vs Slug, Sign Corrected



Right In: -29.099+/-0.000 χ^2/NDF: 1100080293834606846811479025385472.0/16

Left Out: -29.641+/-0.000 χ^2/NDF:409122.2/24

Right Out: 29.179+/-0.000 χ^2/NDF: 1161162155138140428461328547446784.0/20

Left In: 29.641+/-0.000 χ^2/NDF:290780.4/22

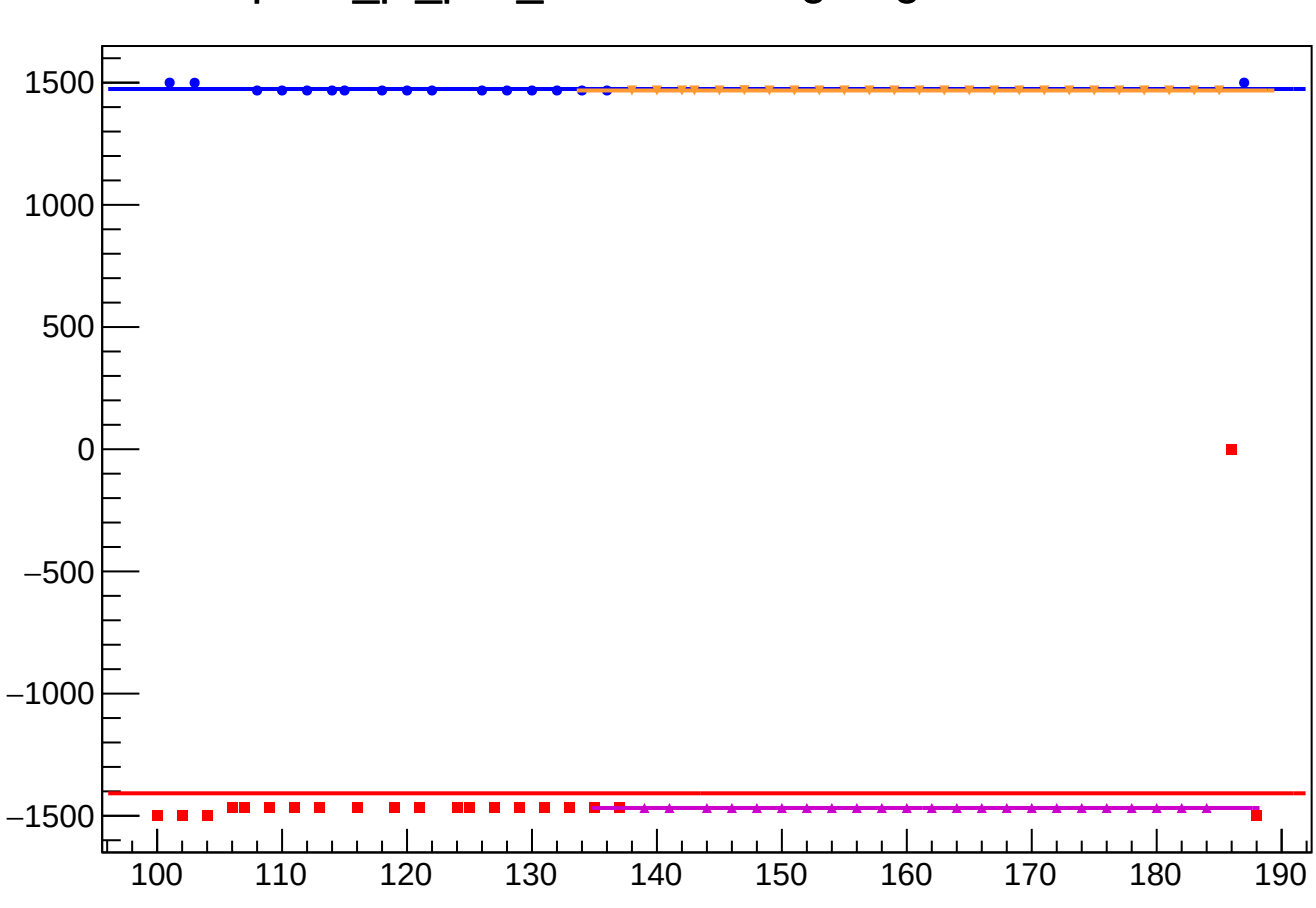
Left: -0.846+/-0.000 χ^2/NDF: 34447051473431892

Right: 2.577+/-0.000 χ^2/NDF: 14052670268628418

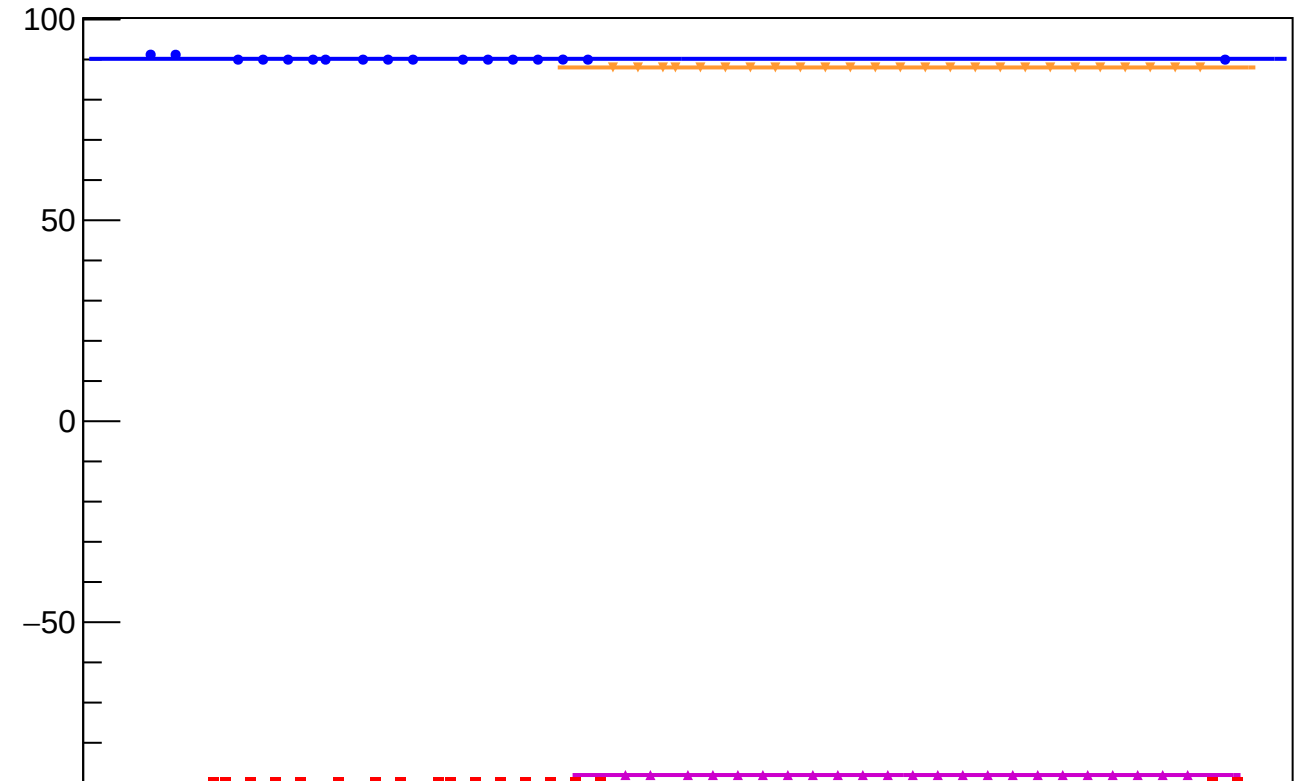
In: 12.896+/-0.000 χ^2/NDF:18758528720385465

Out: -11.429+/-0.000 χ^2/NDF:2162807521404162

All: 0.174+/-0.000 χ^2/NDF: 4863672652346


psub_pl_pos_mean vs Slug, Sign Corrected
1500
1000
500
0
−500
−1000
−1500
100
110
120
130
140
150
160
170
180
190
Right In: 1474.131+/-0.000 χ²/NDF: 11993604915456463071734471765629337 6.0/16
Left Out: 1468.051+/-0.000 χ²/NDF:139558223587677068165594208010240.0/24
Right Out: -1407.955+/-0.000 χ²/NDF: 87481488189881619671060627245554991104.0/20
Left In: -1467.994+/-0.000 χ²/NDF:155493808986096753755224539136.0/22
Left: 41.929+/-0.000 χ²/NDF: 84496793302930950
Right: -92.408+/-0.000 χ²/NDF: 3518925910810261
In: -629.278+/-0.000 χ²/NDF:4703373541412367
Out: 577.601+/-0.000 χ²/NDF:5255456784036744
All: 1.909+/-0.000 χ²/NDF: 1198970145820

Phi_FG_mean vs Slug, Sign Corrected



Right In: 90.167+/-0.000 χ^2/NDF: 160854588795533951885795271901184.0/16

Left Out: 88.021+/-0.000 χ^2/NDF:5113333.3/24

Right Out: -90.136+/-0.000 χ^2/NDF: 17007724906079236145654522917683 2.0/20

Left In: -88.021+/-0.000 χ^2/NDF:7159272.4/22

Left: 2.512+/-0.000 χ^2/NDF: 303769885681723848

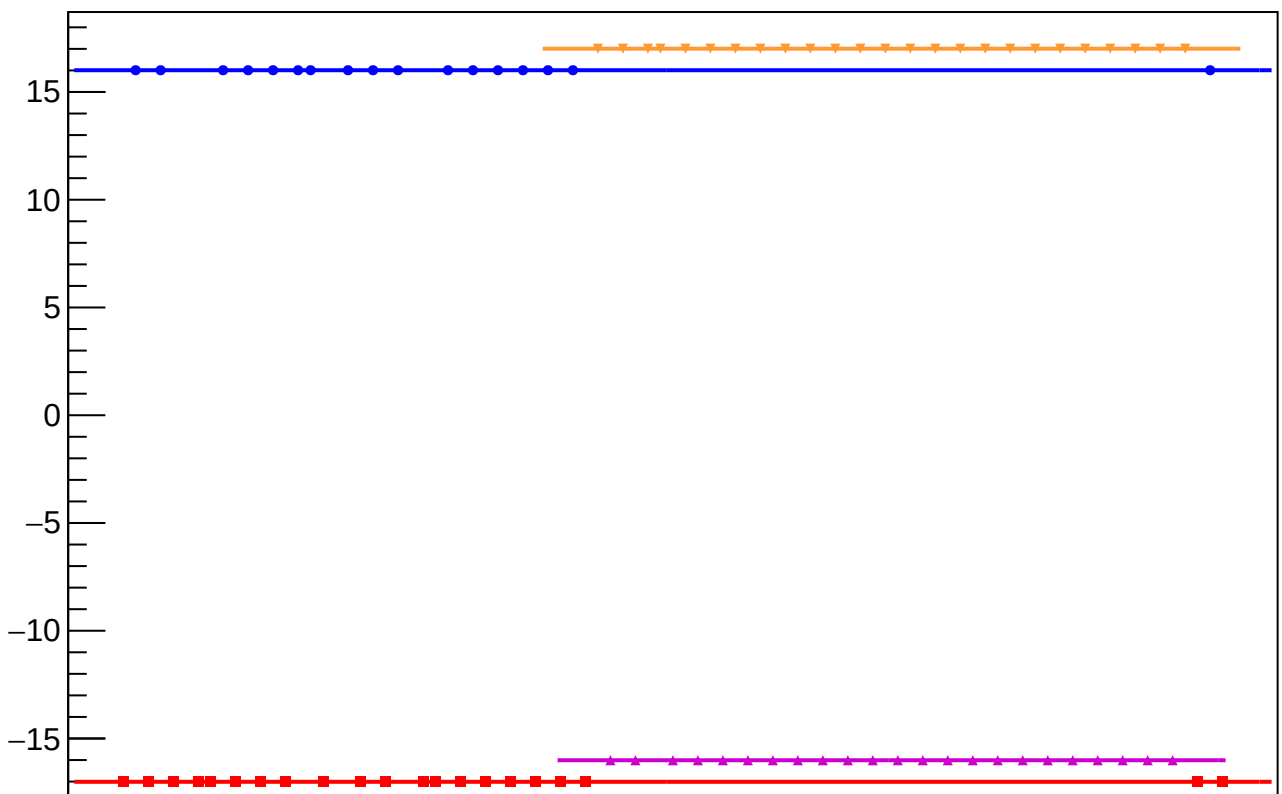
Right: -7.835+/-0.000 χ^2/NDF: 1342971511090978

In: -37.224+/-0.000 χ^2/NDF:17251938548512012

Out: 32.861+/-0.000 χ^2/NDF:19831210307369921

All: -0.570+/-0.000 χ^2/NDF: 4393187218204

IGL1I00DI24_24M_mean vs Slug, Sign Corrected



Right In: 16.009+/-0.000 χ^2/NDF: 48076.3/16

Left Out: 17.009+/-0.000 χ^2/NDF:279903456758836896737525760.0/24

Right Out: -17.009+/-0.000 χ^2/NDF: 150481540689174065598955520.0/20

Left In: -16.009+/-0.000 χ^2/NDF:12468791216706352368844 8.0/22

Left: 0.967+/-0.000 χ^2/NDF: 991588108006867686

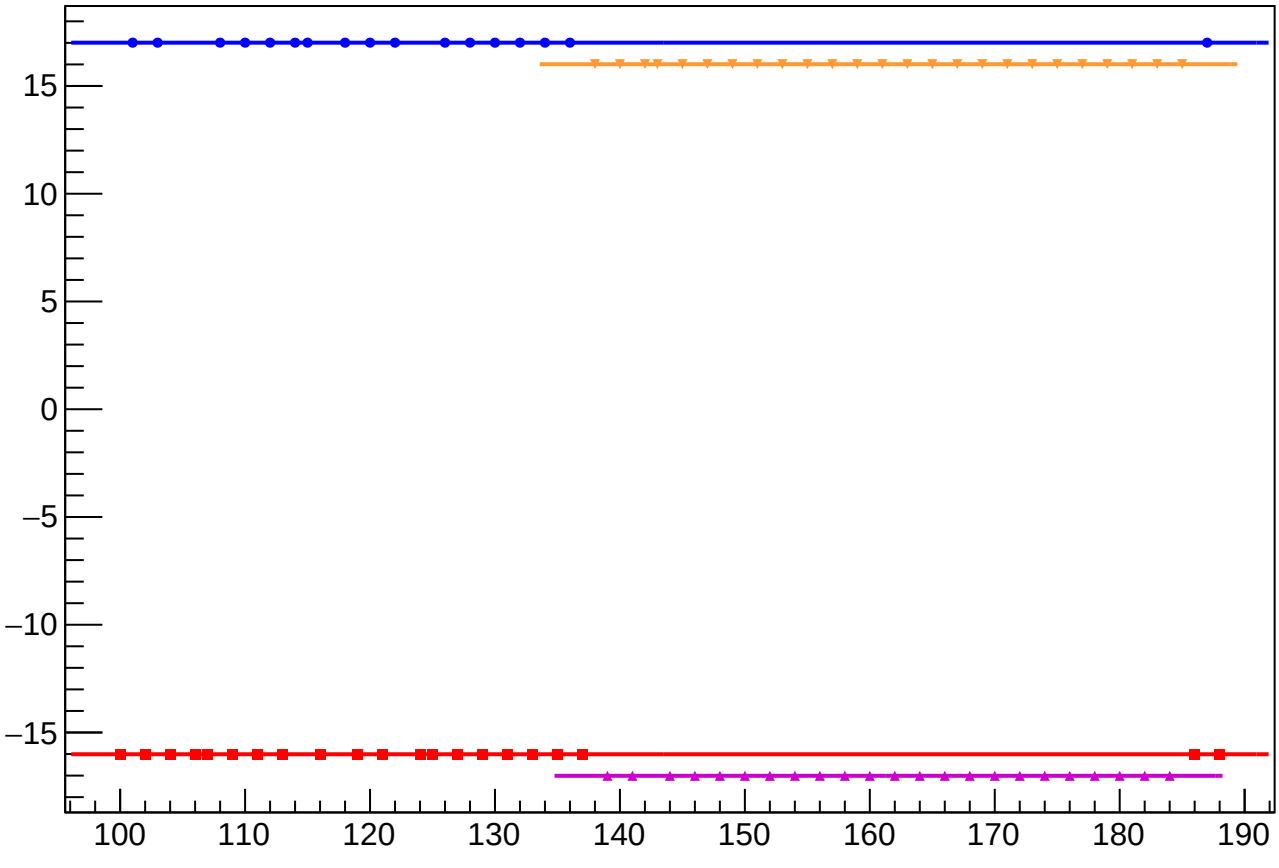
Right: -1.710+/-0.000 χ^2/NDF: 42182390565643639

In: -6.738+/-0.000 χ^2/NDF:525136794745326665

Out: 6.516+/-0.000 χ^2/NDF:668245132966678787

All: 0.166+/-0.000 χ^2/NDF: 1421221238860

IGL1I00OD16_16_mean vs Slug, Sign Corrected



Right In: 17.009+/-0.000 χ^2/NDF: 115880.5/16

Left Out: 16.009+/-0.000 χ^2/NDF:2818892758481805649117184.0/24

Right Out: -16.009+/-0.000 χ^2/NDF: 205507.7/20

Left In: -17.009+/-0.000 χ^2/NDF:11100710442088156626944O.0/22

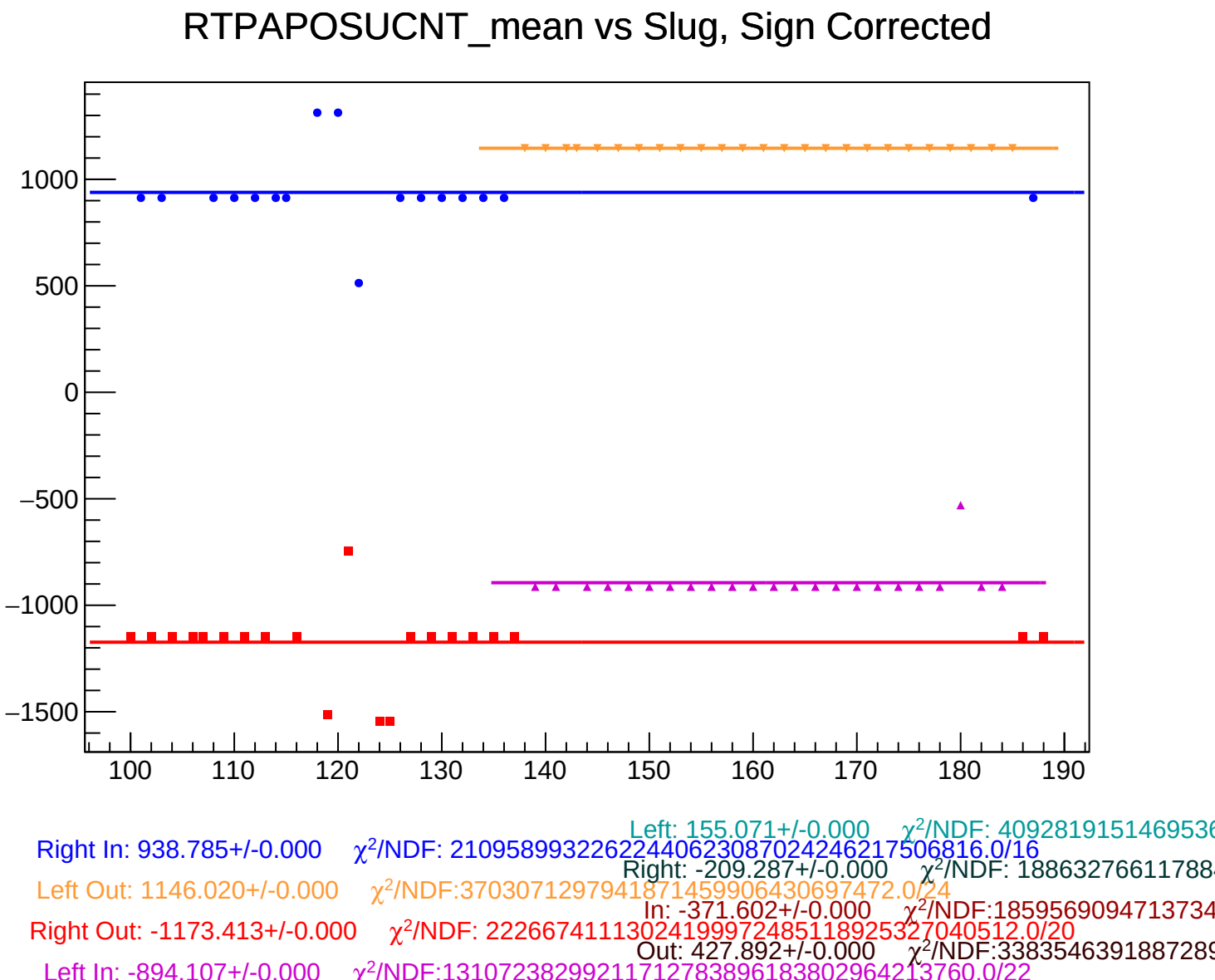
Left: 0.066+/-0.000 χ^2/NDF: 104866556030492975

Right: -1.1276+/-0.000 χ^2/NDF: 4383238628710338

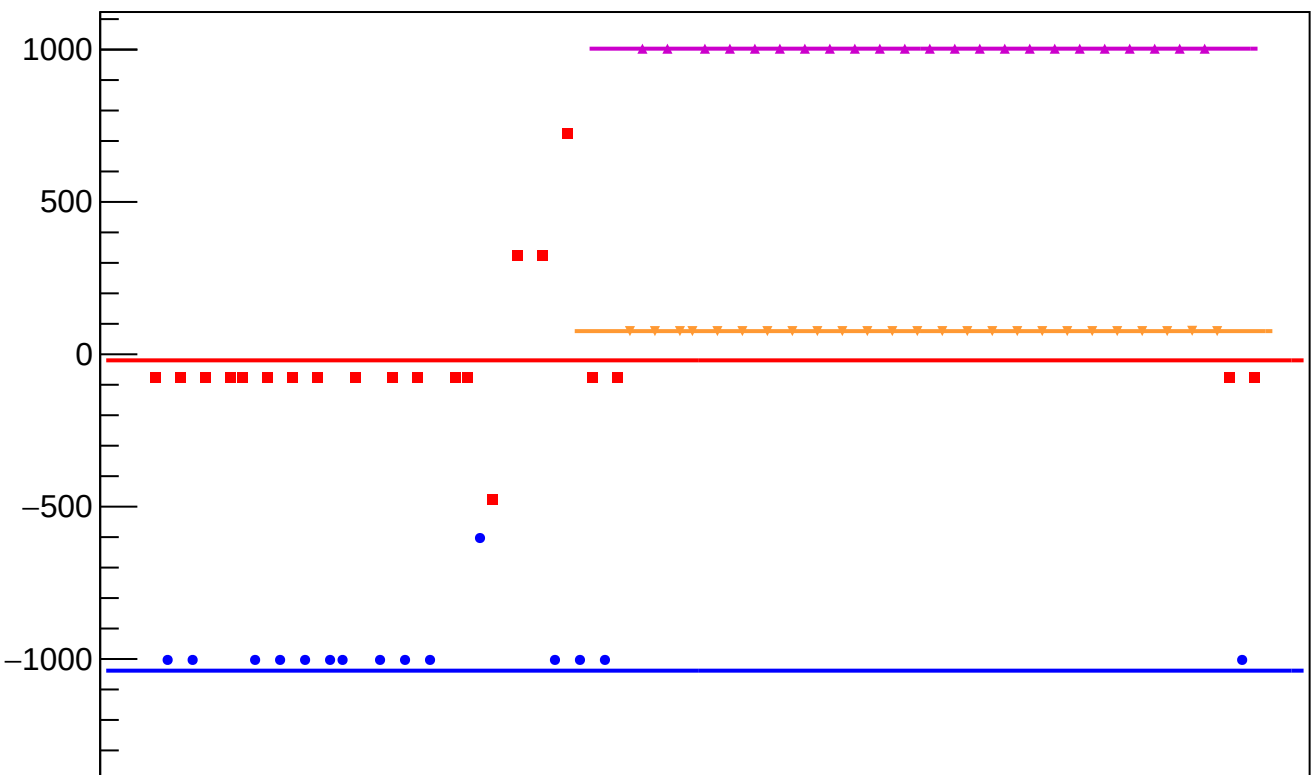
In: -7.459+/-0.000 χ^2/NDF:604307111127667707

Out: 6.037+/-0.000 χ^2/NDF:636025056295160765

All: -0.333+/-0.000 χ^2/NDF: 148904789368O


RTPAPOSUCNT_mean vs Slug, Sign Corrected
1000
500
0
−500
−1000
−1500
100
110
120
130
140
150
160
170
180
190
Right In: 938.785+/-0.000 χ²/NDF: 21095899322622440623087024246217506816.0/16
Left Out: 1146.020+/-0.000 χ²/NDF:37030712979418714599064306974 72.0/24
Right Out: -1173.413+/-0.000 χ²/NDF: 22266741113024199972485118925327040512.0/20
Left In: -894.107+/-0.000 χ²/NDF:131072382992117127838961838029642137 60.0/22
Left: 155.071+/-0.000 χ²/NDF: 4092819151469536
Right: -209.287+/-0.000 χ²/NDF: 18863276611788
In: -371.602+/-0.000 χ²/NDF:1859569094713734
Out: 427.892+/-0.000 χ²/NDF:3383546391887289
All: 46.527+/-0.000 χ²/NDF: 6134337762173

RTPAPOSVCNT_mean vs Slug, Sign Corrected



Left: 526.293+/-0.000 χ^2/NDF: 8422008663429018

Right In: -1038.252+/-0.000 χ^2/NDF: 228946076378556990355855539775964446672.0/16

Right: -484.721+/-0.000 χ^2/NDF: 4978964442412

Left Out: 76.053+/-0.000 χ^2/NDF:8137119629458086651457121026048 0.0/24

In: 421.090+/-0.000 χ^2/NDF:2286837493119448

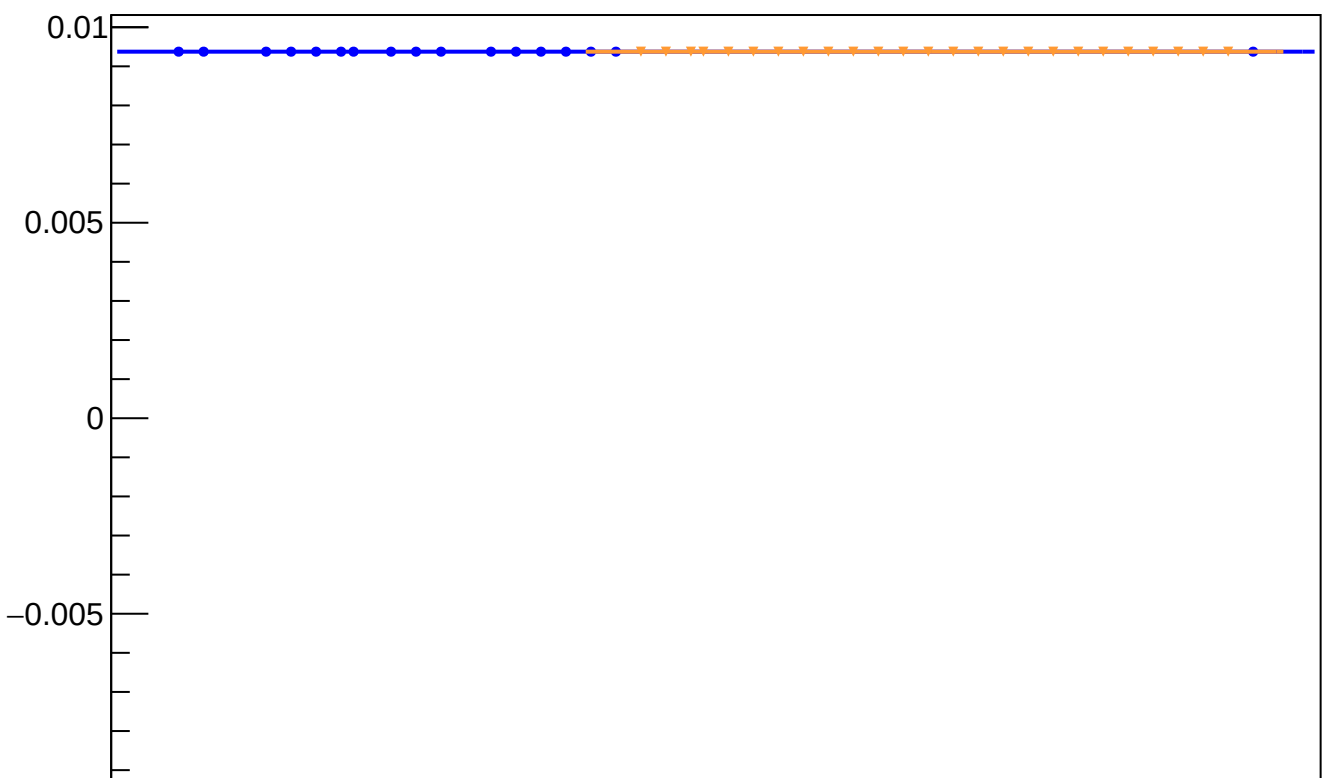
Right Out: -19.878+/-0.000 χ^2/NDF: 4658819602523595100982656705160753971 2.0/20

Out: 46.351+/-0.000 χ^2/NDF:5233807134217454

Left In: 1002.990+/-0.000 χ^2/NDF:2951955903348314753097269248.0/22

All: 225.105+/-0.000 χ^2/NDF: 2534975460

RTPPITA1CNT_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 0.1/16

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: -0.009+/-0.000 χ^2/NDF: 0.1/20

Left In: -0.009+/-0.000 χ^2/NDF:0.1/22

Left: 0.000+/-0.000 χ^2/NDF: 344601849197246623

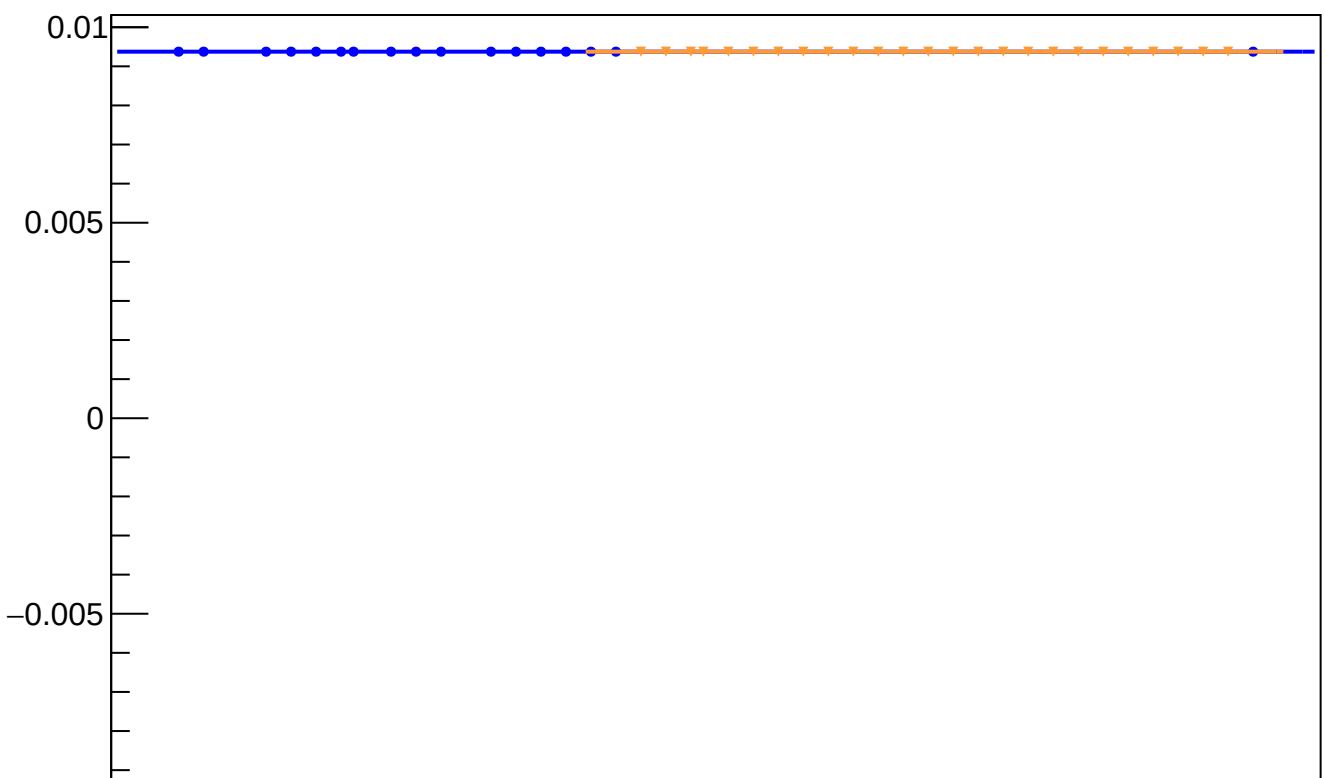
Right: -0.001+/-0.000 χ^2/NDF: 14522804054054039

In: -0.004+/-0.000 χ^2/NDF:191020020630157096

Out: 0.004+/-0.000 χ^2/NDF:219656201890180792

All: -0.000+/-0.000 χ^2/NDF: 4912035778985

RTPPITA2CNT_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 0.1/16

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: -0.009+/-0.000 χ^2/NDF: 0.1/20

Left In: -0.009+/-0.000 χ^2/NDF:0.1/22

Left: 0.000+/-0.000 χ^2/NDF: 344601849197246623

Right: -0.001+/-0.000 χ^2/NDF: 14522804054054039

In: -0.004+/-0.000 χ^2/NDF:191020020630157096

Out: 0.004+/-0.000 χ^2/NDF:219656201890180792

All: -0.000+/-0.000 χ^2/NDF: 4912035778985