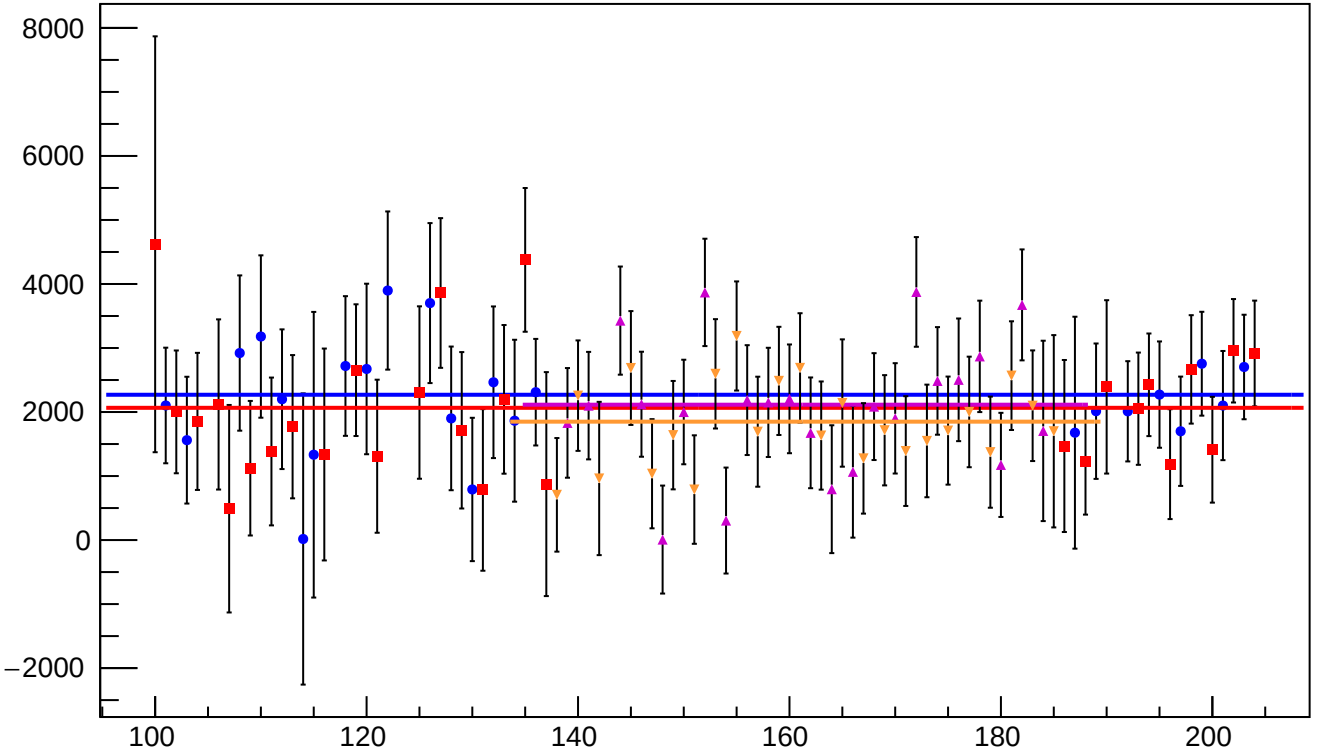
reg_asym_us_avg_mean vs Slug, Sign Corrected



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

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

Right Out: 2065.726+/-201.943 χ^2/NDF: 17.9/27

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

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

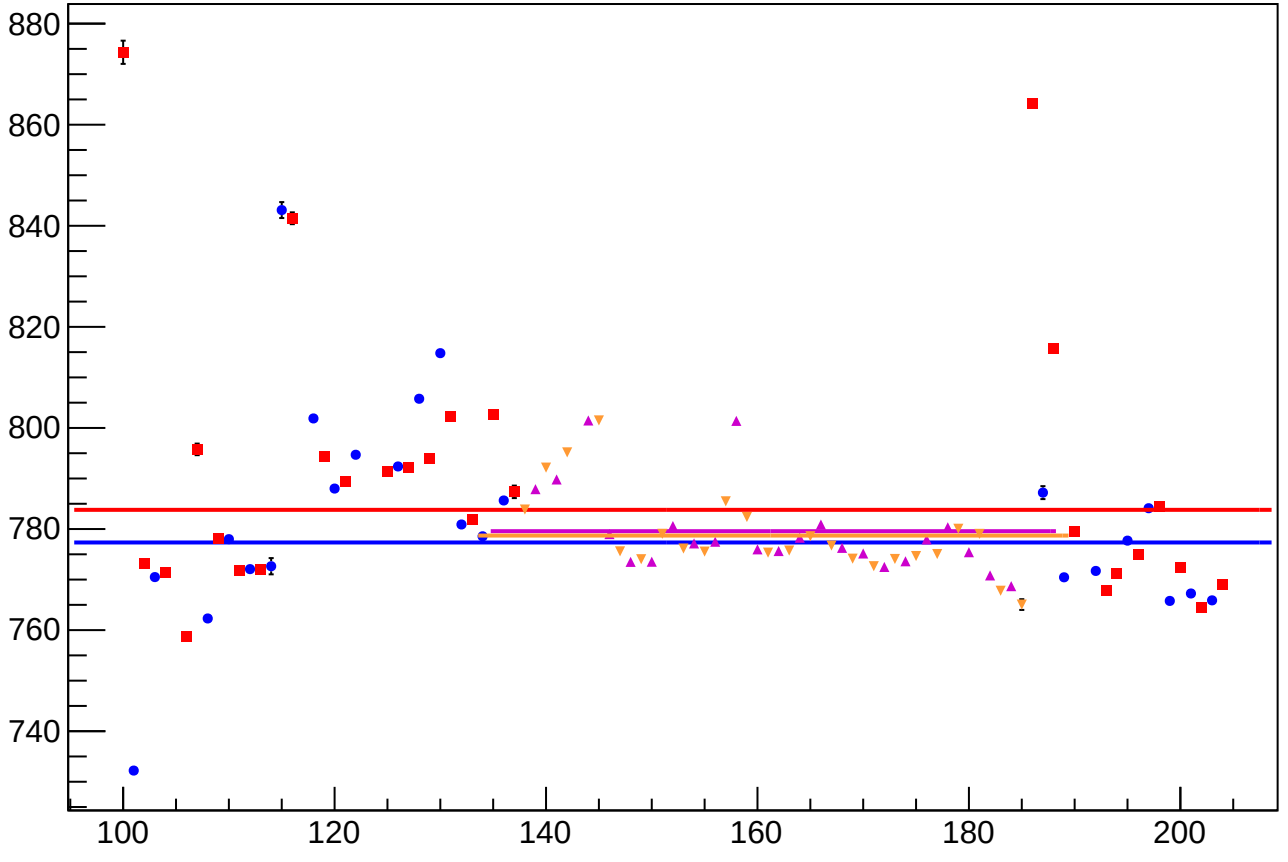
Right: 2161.992+/-146.766 χ^2/NDF: 27.6/51

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

Out: 1945.720+/-134.677 χ^2/NDF:31.4/51

All: 2059.412+/-96.576 χ^2/NDF: 73.4/98

reg_asym_us_avg_rms vs Slug, Sign Corrected



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

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

Right Out: 783.797+/-0.143 χ^2/NDF: 21053.9/27

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

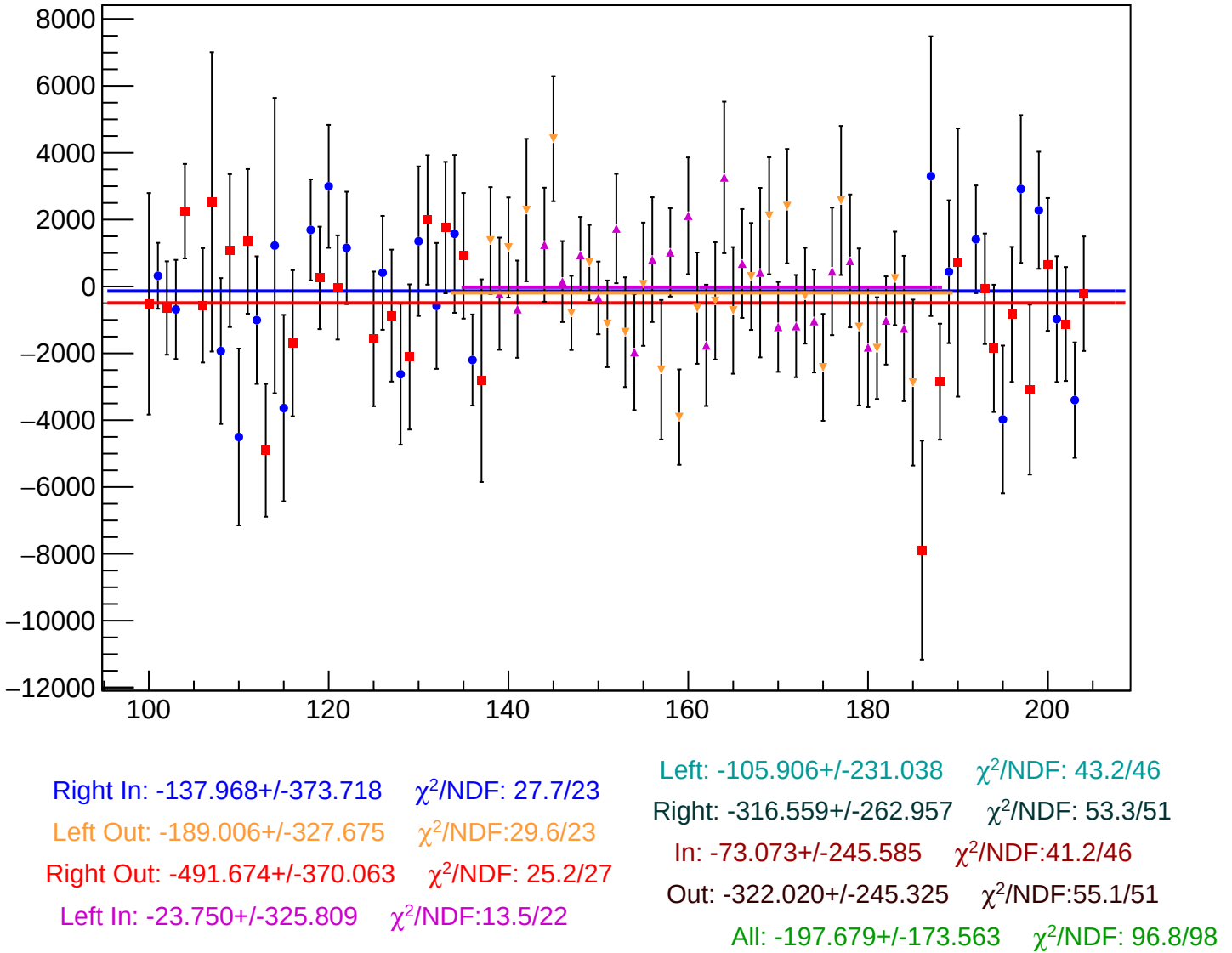
Left: 779.138+/-0.091 χ^2/NDF: 7585.5/46

Right: 780.751+/-0.104 χ^2/NDF: 36233.1/51

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

Out: 780.972+/-0.095 χ^2/NDF:25149.0/51

All: 779.837+/-0.068 χ^2/NDF: 43955.5/98


asym_us_avg_reg_correction_mean vs Slug, Sign Corrected
8000
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−4000
−6000
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−12000
100
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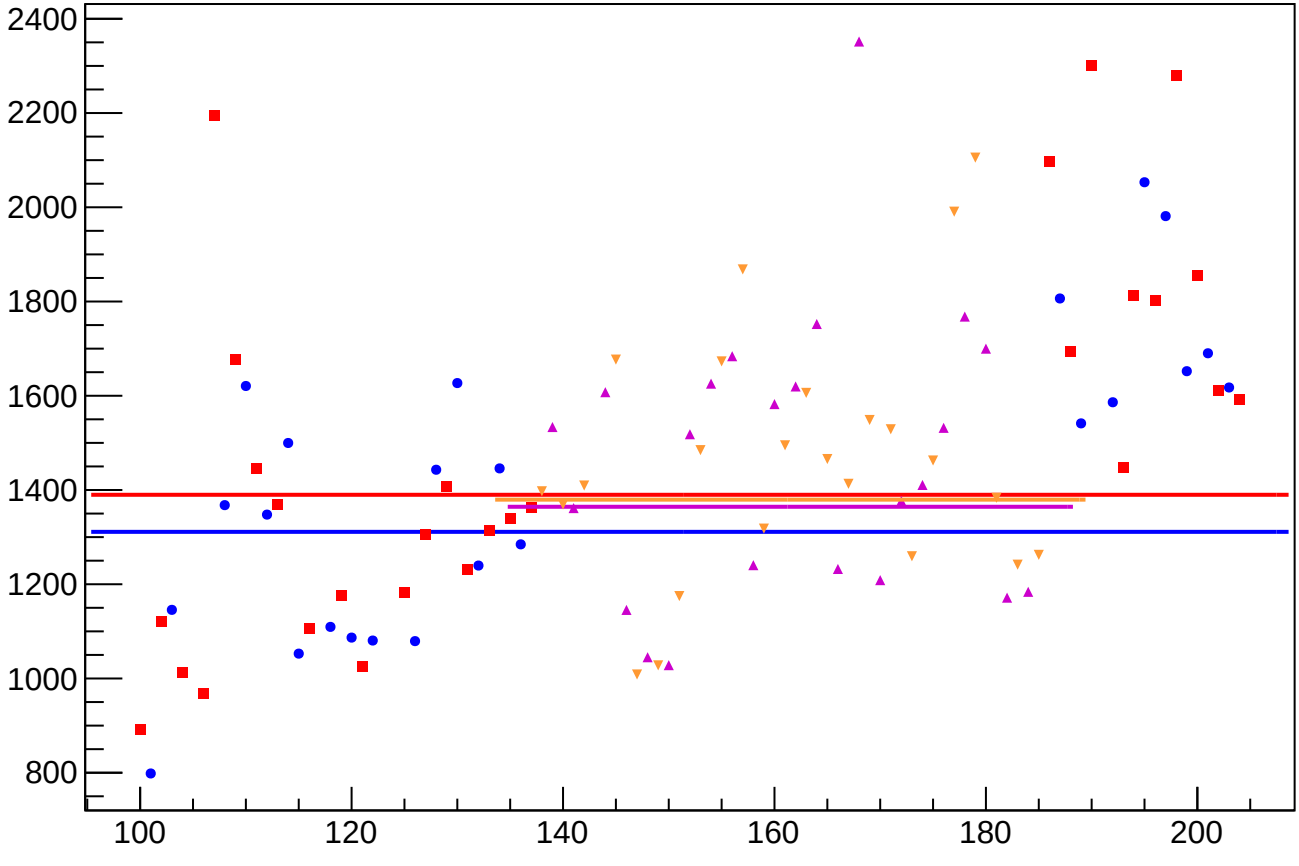
140
160
180
200
Right In: -137.968+/-373.718 χ²/NDF: 27.7/23
Left Out: -189.006+/-327.675 χ²/NDF:29.6/23
Right Out: -491.674+/-370.063 χ²/NDF: 25.2/27
Left In: -23.750+/-325.809 χ²/NDF:13.5/22
Left: -105.906+/-231.038 χ²/NDF: 43.2/46
Right: -316.559+/-262.957 χ²/NDF: 53.3/51
In: -73.073+/-245.585 χ²/NDF:41.2/46
Out: -322.020+/-245.325 χ²/NDF:55.1/51
All: -197.679+/-173.563 χ²/NDF: 96.8/98

asym_us_avg_reg_correction_rms vs Slug, Sign Corrected



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

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

Right Out: 1389.850+/-0.262 χ^2/NDF: 1565208.4/27

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

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

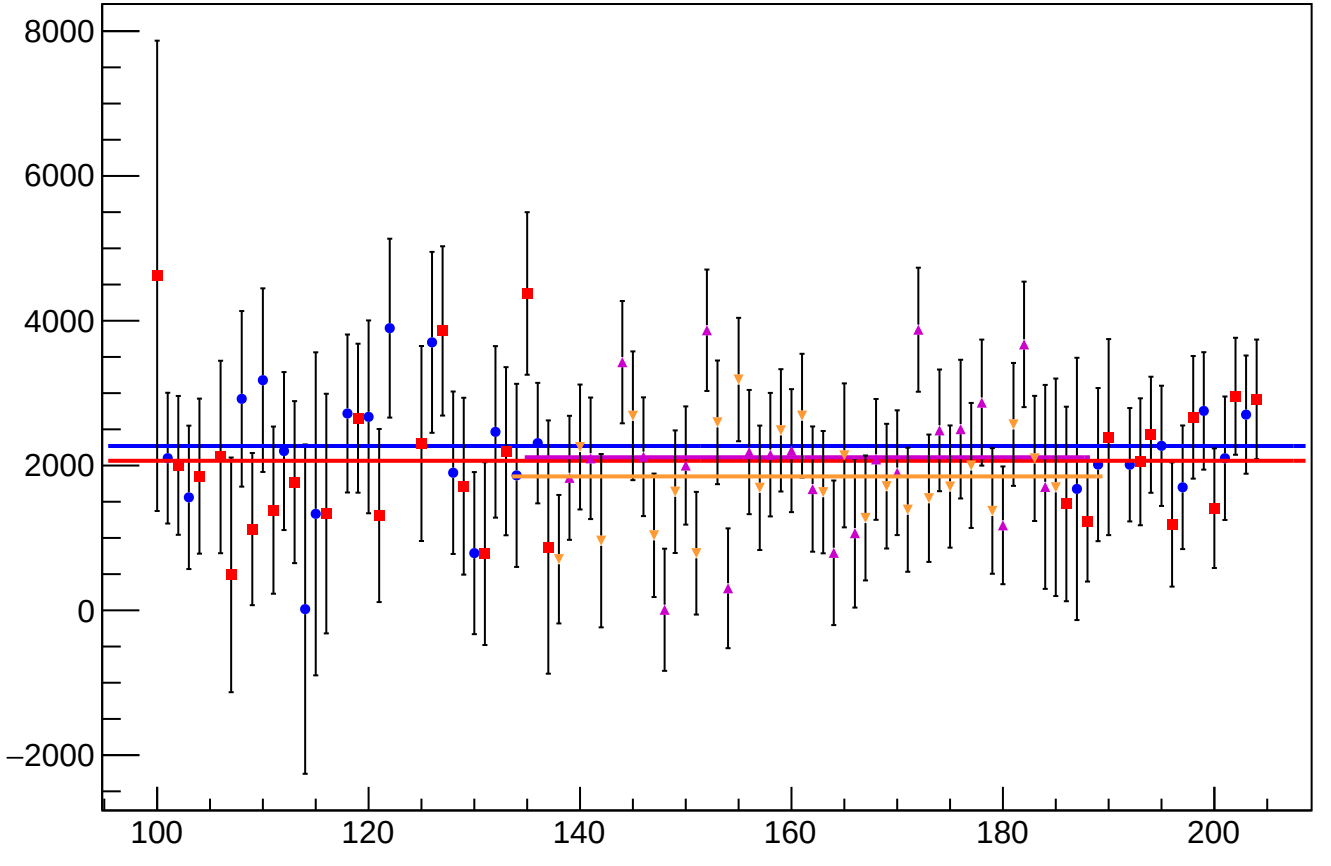
Right: 1350.913+/-0.186 χ^2/NDF: 3162082.6/51

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

Out: 1384.069+/-0.173 χ^2/NDF:2724547.7/51

All: 1362.774+/-0.123 χ^2/NDF: 5642204.1/98

cor_asym_us_avg_mean vs Slug, Sign Corrected



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

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

Right Out: 2065.726+/-201.943 χ^2/NDF: 17.9/27

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

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

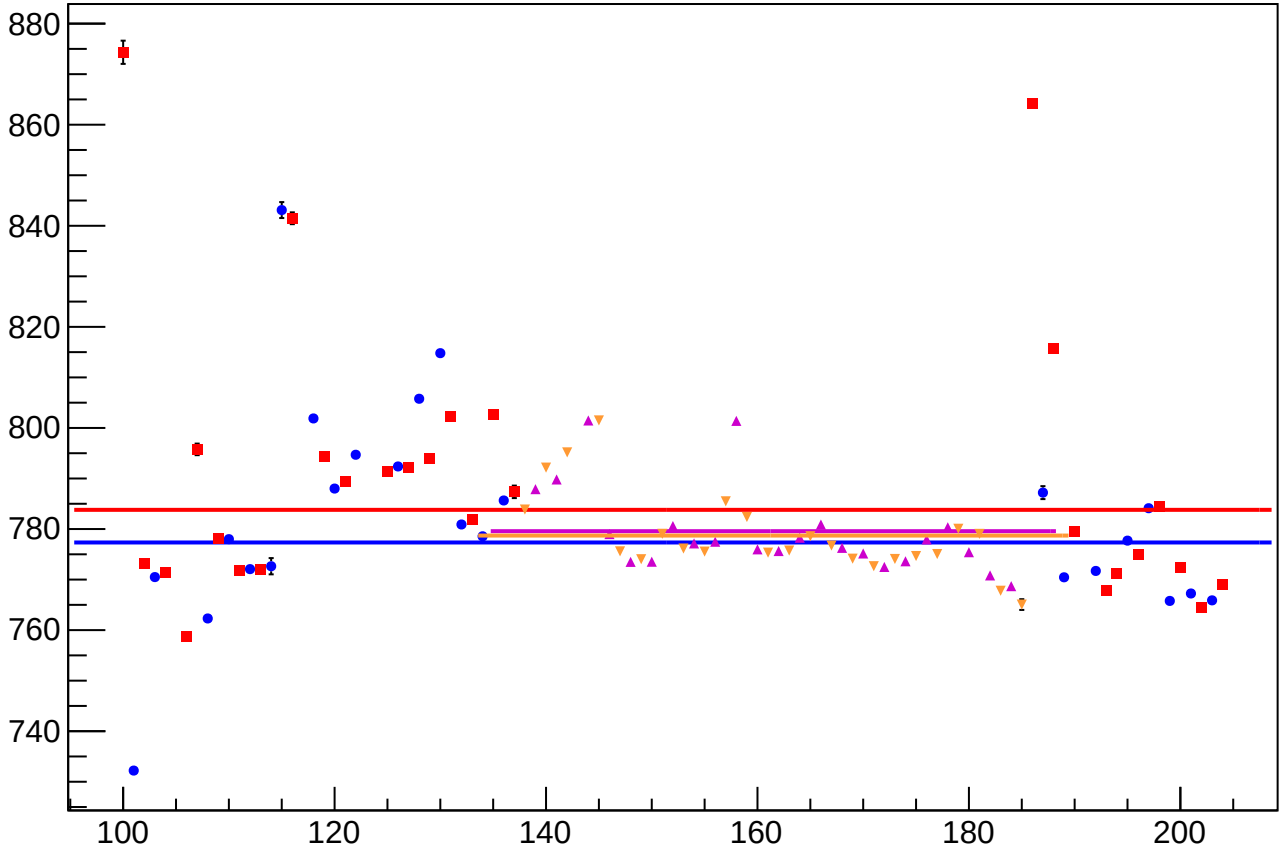
Right: 2161.992+/-146.766 χ^2/NDF: 27.6/51

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

Out: 1945.720+/-134.677 χ^2/NDF:31.4/51

All: 2059.412+/-96.576 χ^2/NDF: 73.4/98

cor_asym_us_avg_rms vs Slug, Sign Corrected



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

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

Right Out: 783.797+/-0.143 χ^2/NDF: 21053.9/27

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

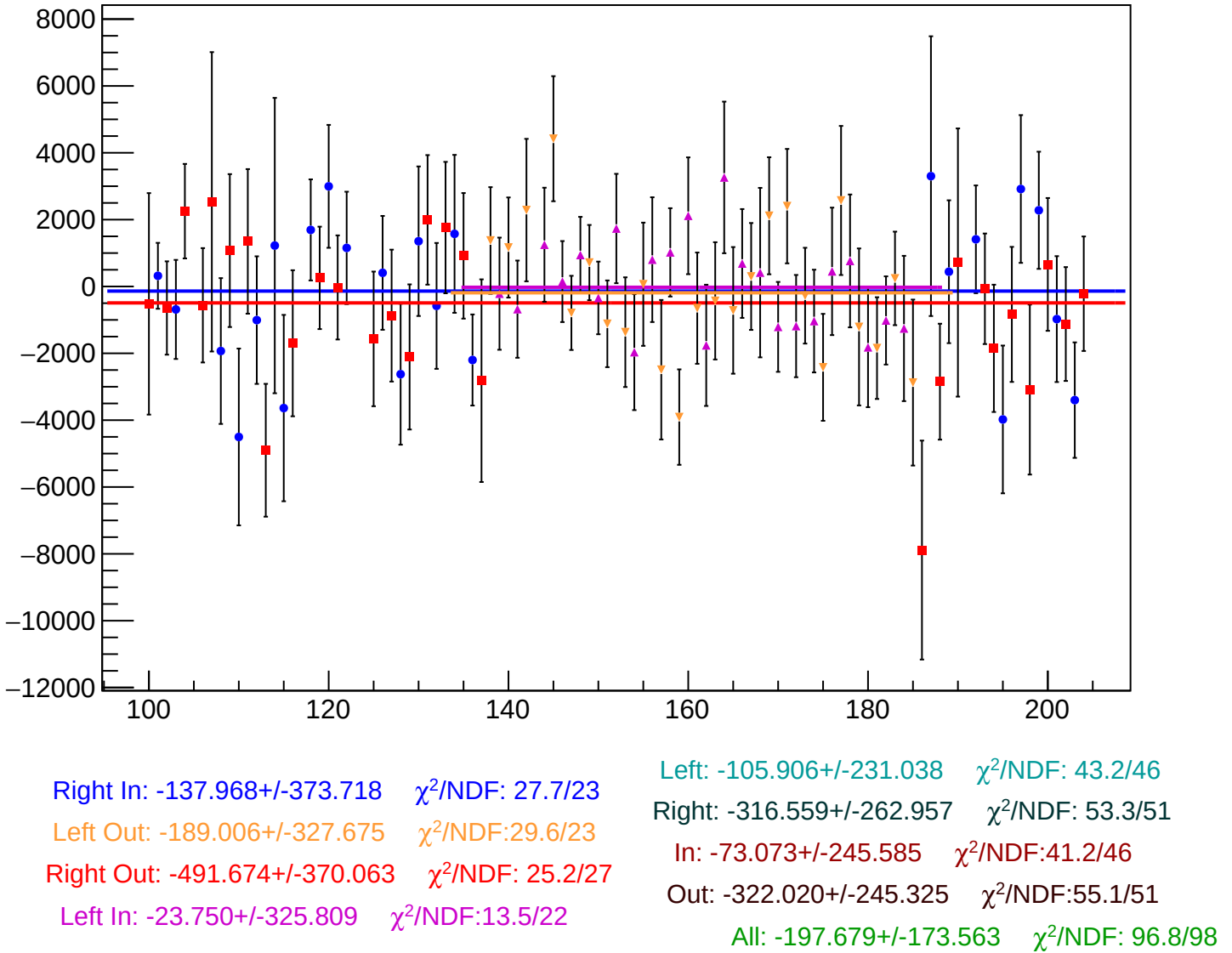
Left: 779.138+/-0.091 χ^2/NDF: 7585.5/46

Right: 780.751+/-0.104 χ^2/NDF: 36233.1/51

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

Out: 780.972+/-0.095 χ^2/NDF:25149.0/51

All: 779.837+/-0.068 χ^2/NDF: 43955.5/98


asym_us_avg_cor_correction_mean vs Slug, Sign Corrected
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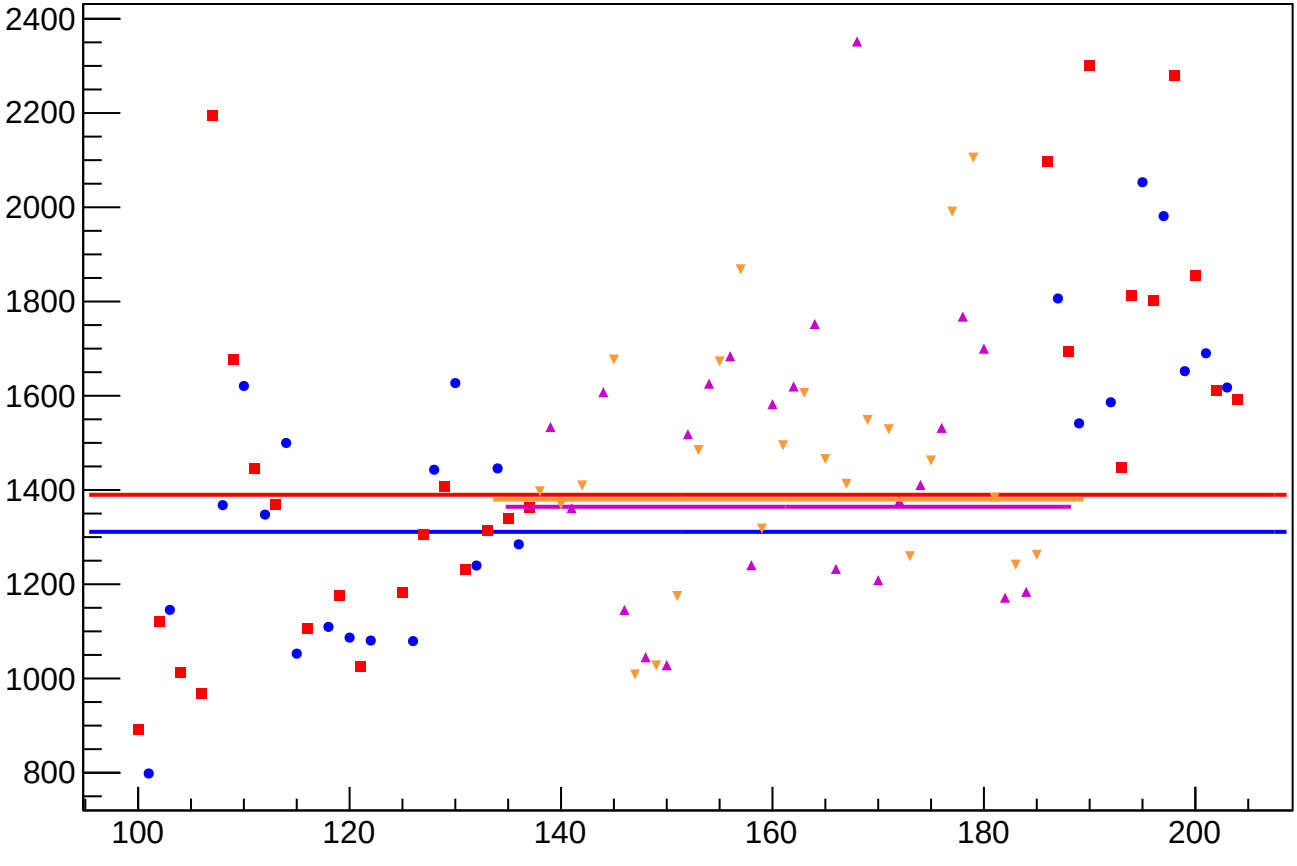
Right In: -137.968+/-373.718 χ²/NDF: 27.7/23
Left Out: -189.006+/-327.675 χ²/NDF:29.6/23
Right Out: -491.674+/-370.063 χ²/NDF: 25.2/27
Left In: -23.750+/-325.809 χ²/NDF:13.5/22
Left: -105.906+/-231.038 χ²/NDF: 43.2/46
Right: -316.559+/-262.957 χ²/NDF: 53.3/51
In: -73.073+/-245.585 χ²/NDF:41.2/46
Out: -322.020+/-245.325 χ²/NDF:55.1/51
All: -197.679+/-173.563 χ²/NDF: 96.8/98

asym_us_avg_cor_correction_rms vs Slug, Sign Corrected



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

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

Right Out: 1389.850+/-0.262 χ^2/NDF: 1565208.4/27

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

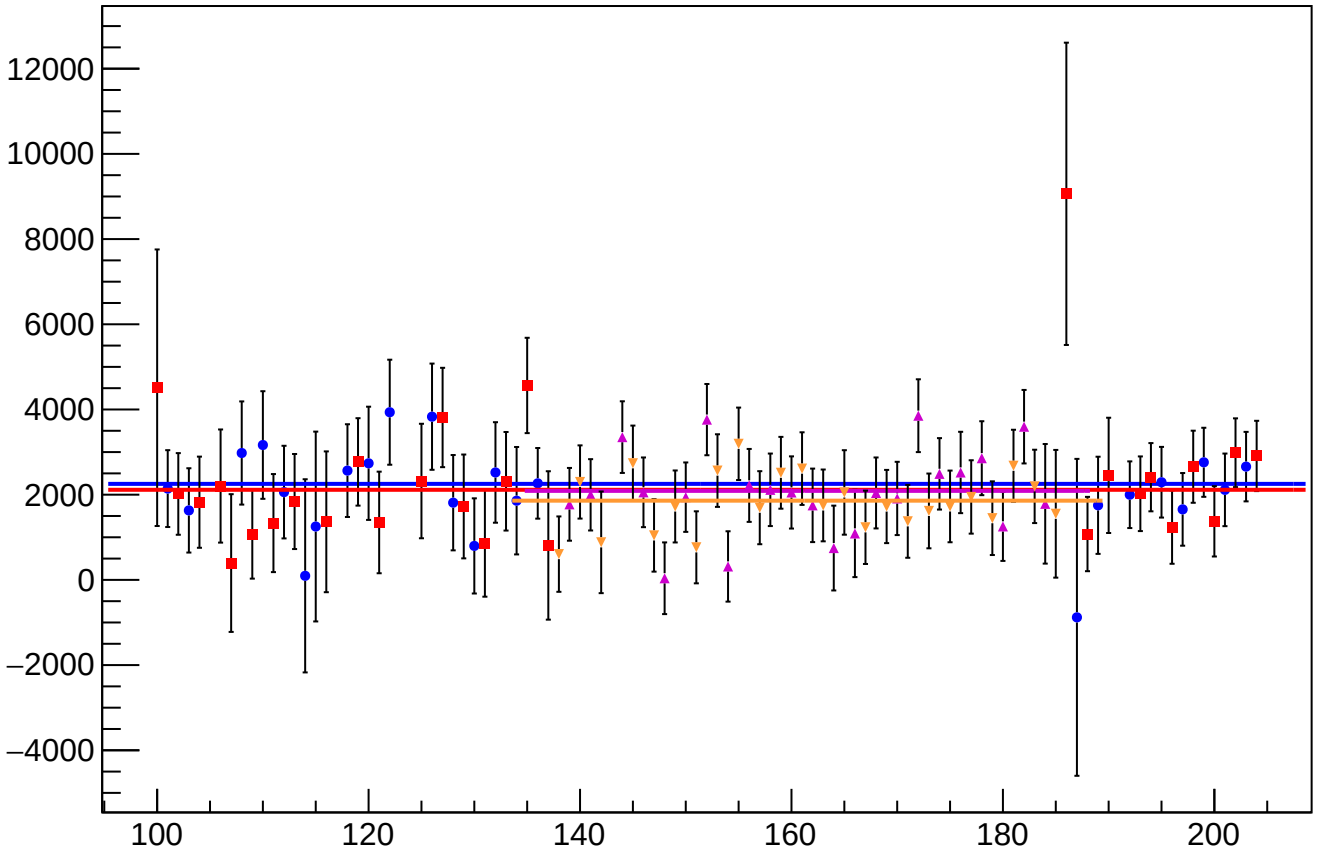
Left: 1371.931+/-0.163 χ^2/NDF: 2472910.6/46

Right: 1350.913+/-0.186 χ^2/NDF: 3162082.6/51

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

Out: 1384.069+/-0.173 χ^2/NDF:2724547.7/51

All: 1362.774+/-0.123 χ^2/NDF: 5642204.1/98



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

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

Right Out: 2114.607+/-204.198 χ^2/NDF: 22.7/27

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

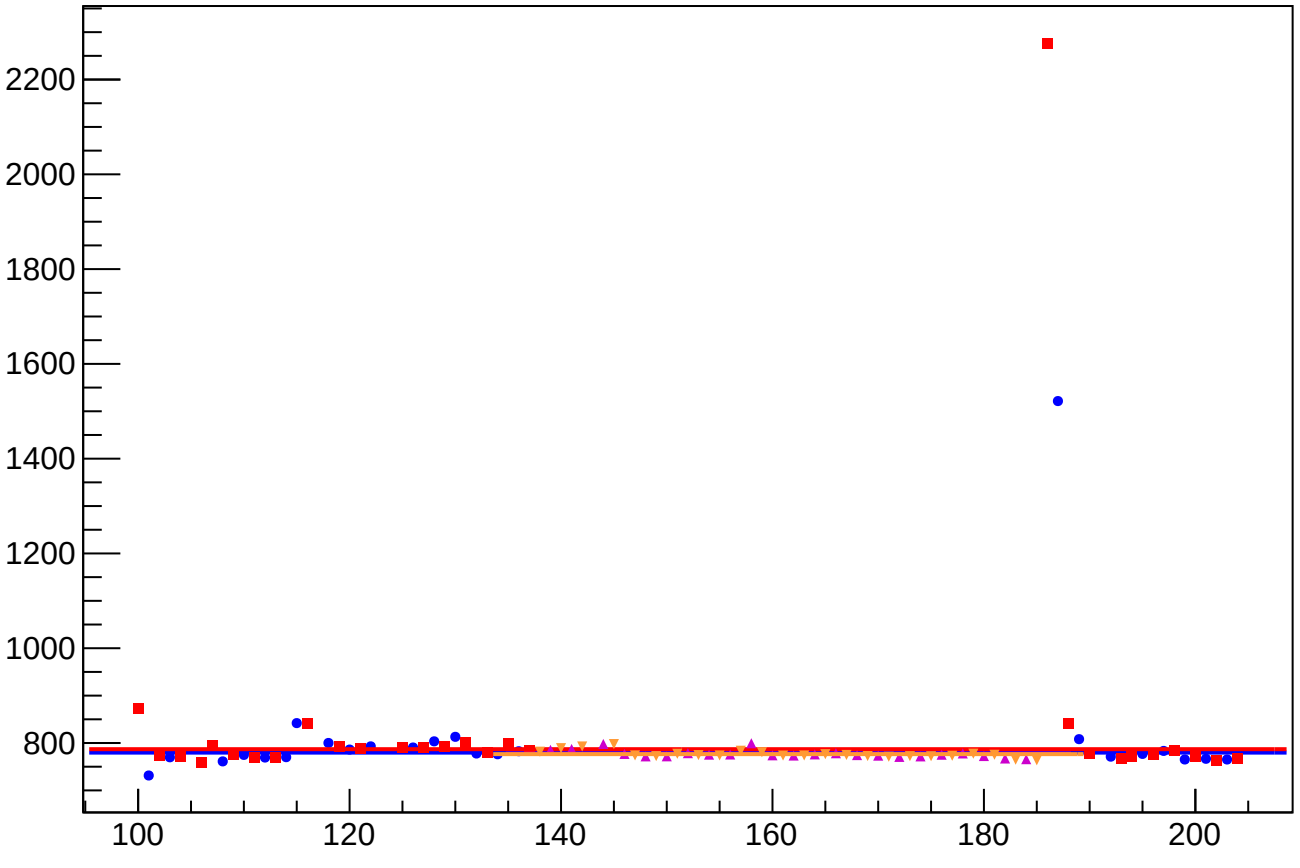
Left: 1973.689+/-127.897 χ^2/NDF: 43.9/46

Right: 2180.565+/-148.083 χ^2/NDF: 33.2/51

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

Out: 1971.226+/-135.125 χ^2/NDF:37.1/51

All: 2062.076+/-96.793 χ^2/NDF: 78.3/98



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

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

Right Out: 786.973+/-0.144 χ^2/NDF: 372869.6/27

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

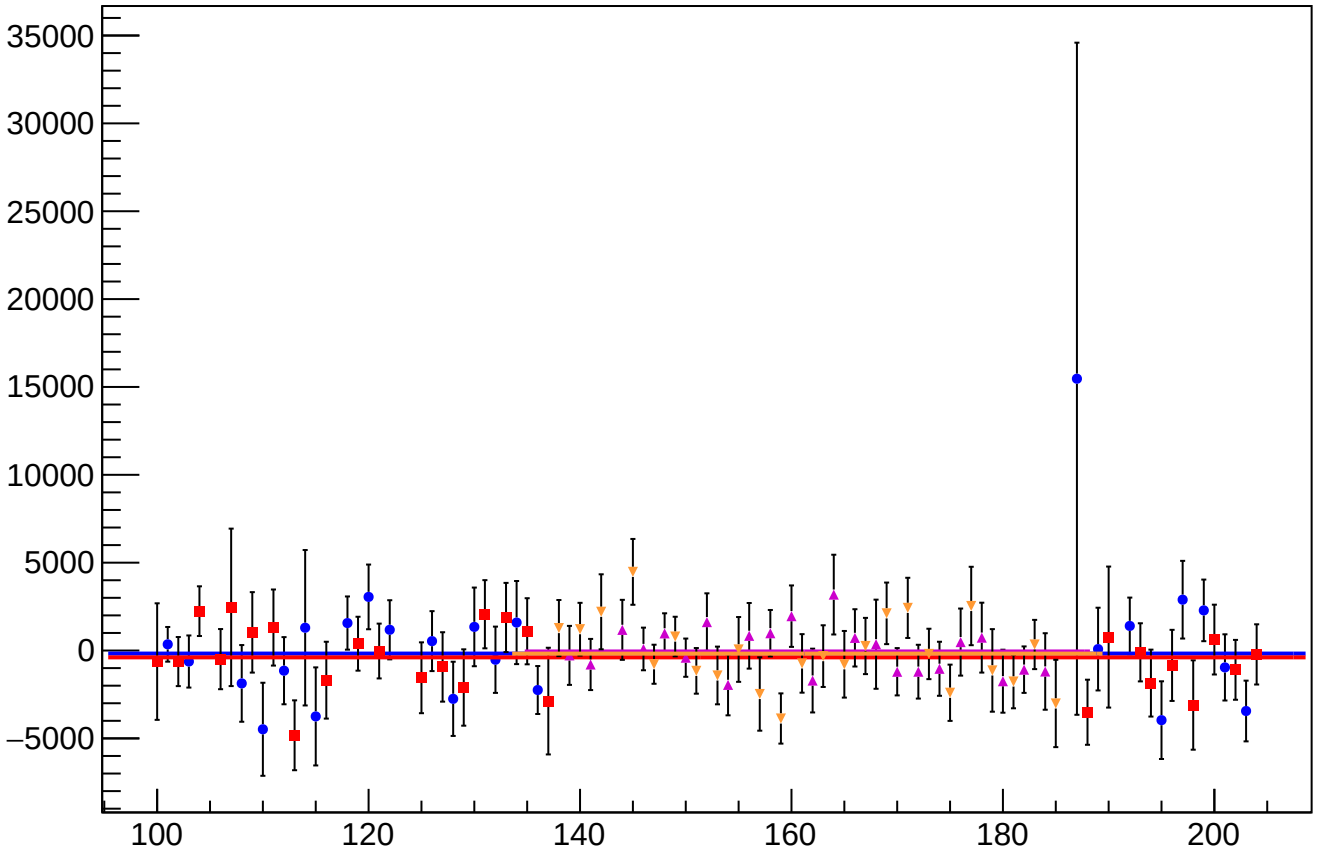
Left: 776.965+/-0.090 χ^2/NDF: 7223.5/46

Right: 783.545+/-0.105 χ^2/NDF: 468940.9/51

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

Out: 781.099+/-0.096 χ^2/NDF:378951.1/51

All: 779.776+/-0.068 χ^2/NDF: 478426.5/98



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

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

Right Out: -389.198+/-373.769 χ^2/NDF: 21.0/26

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

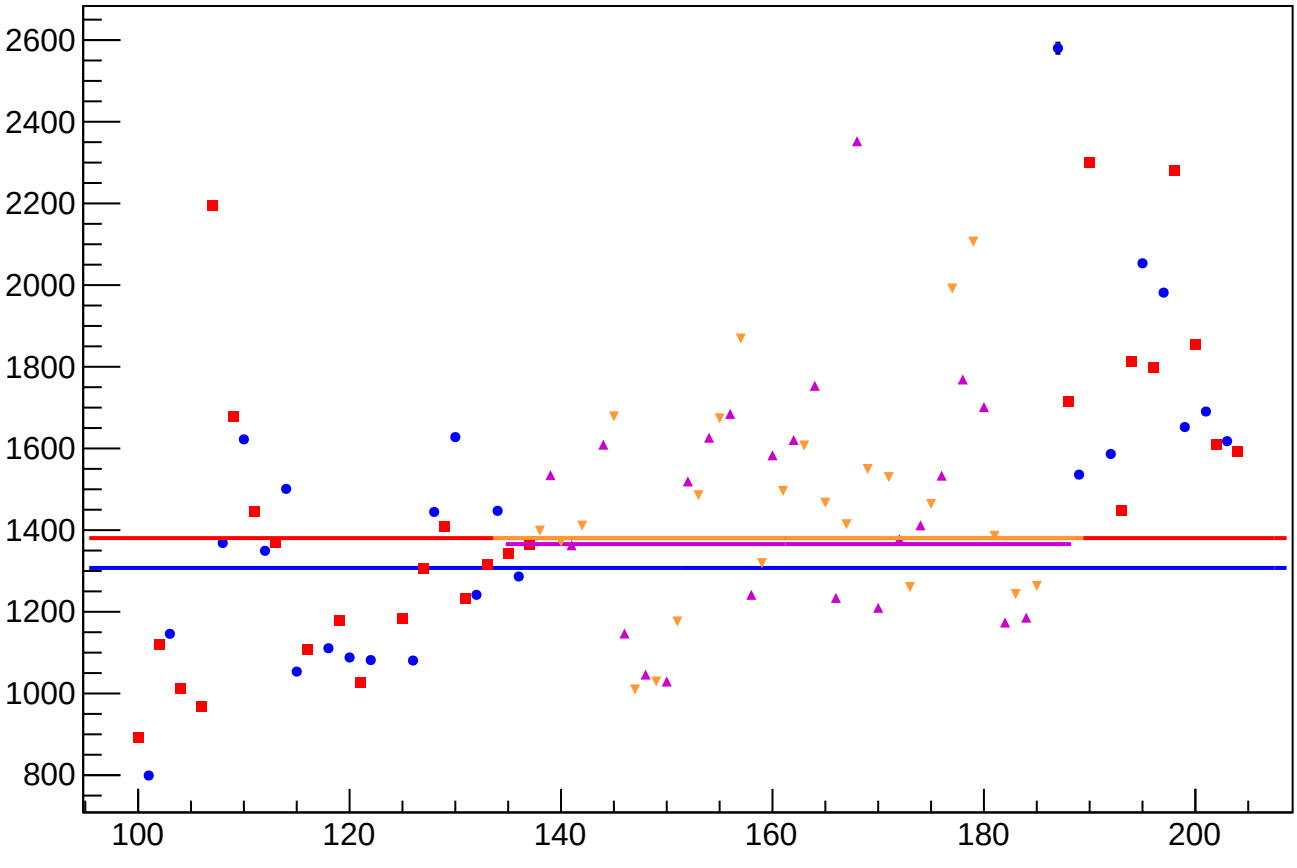
Left: -113.528+/-231.262 χ^2/NDF: 42.7/46

Right: -281.775+/-265.240 χ^2/NDF: 49.0/50

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

Out: -268.147+/-246.530 χ^2/NDF:50.8/50

All: -186.191+/-174.310 χ^2/NDF: 91.9/97


asym_us_avg_overload_cor_correction_rms vs Slug, Sign Corrected
2600
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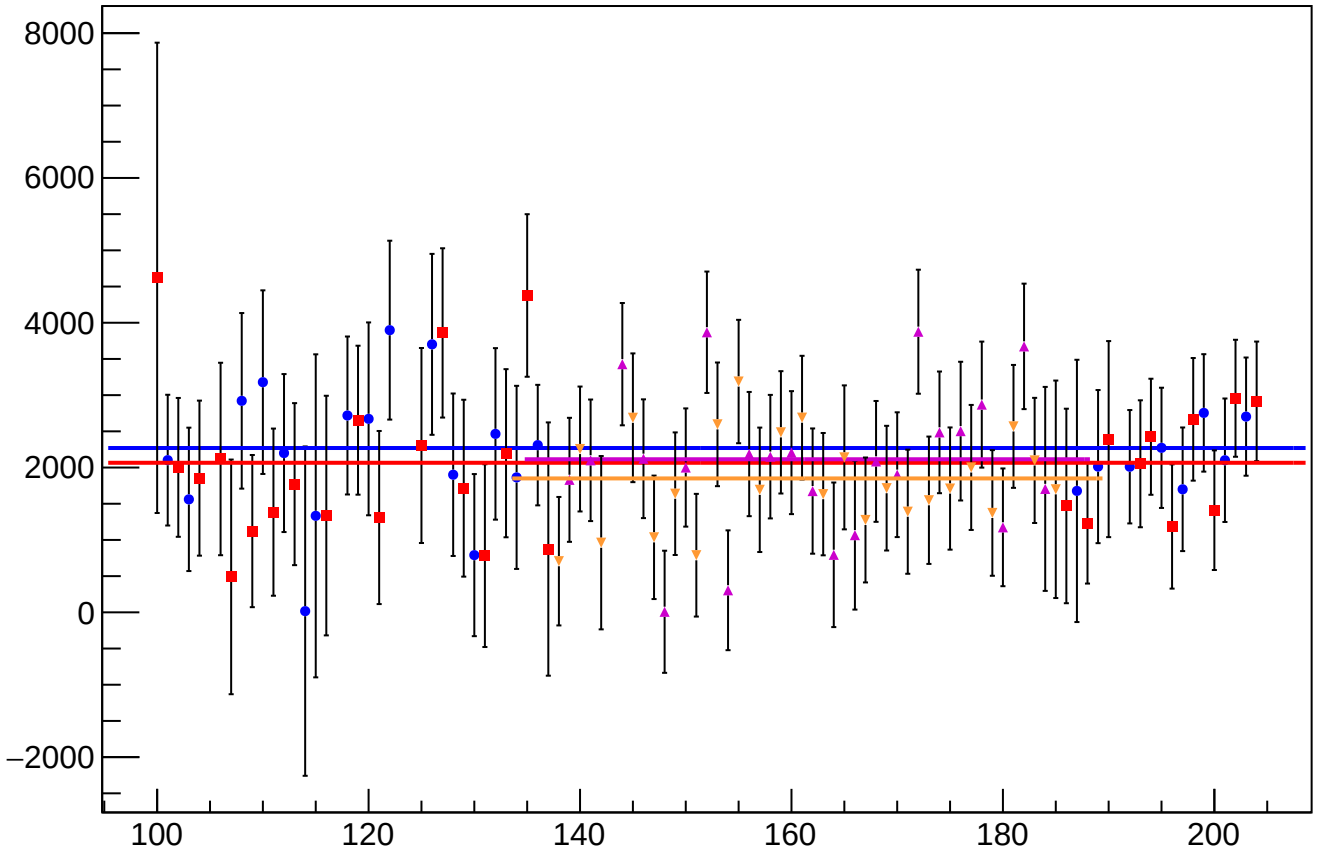
Right In: 1307.417+/-0.266 χ²/NDF: 1524152.5/23
Left Out: 1380.952+/-0.232 χ²/NDF:1155437.6/23
Right Out: 1380.468+/-0.264 χ²/NDF: 1464323.2/26
Left In: 1365.811+/-0.231 χ²/NDF:1308862.5/22
Left: 1373.338+/-0.164 χ²/NDF: 2466443.3/46
Right: 1344.204+/-0.188 χ²/NDF: 3026399.8/50
In: 1340.776+/-0.174 χ²/NDF:2860505.3/46
Out: 1380.741+/-0.174 χ²/NDF:2619762.7/50
All: 1360.756+/-0.123 χ²/NDF: 5506551.8/97



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

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

Right Out: 2065.726+/-201.943 χ^2/NDF: 17.9/27

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

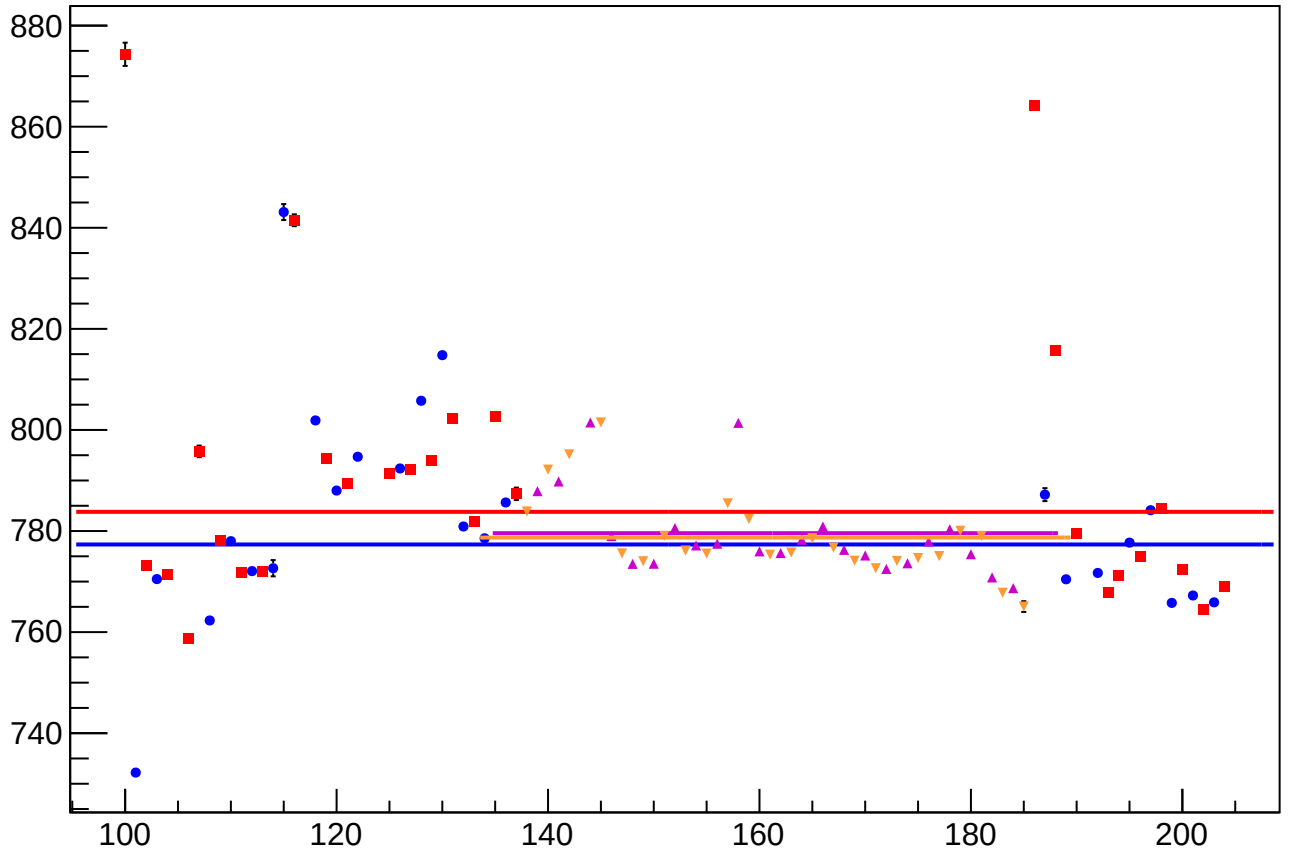
Left: 1981.076+/-128.255 χ^2/NDF: 45.0/46

Right: 2161.992+/-146.766 χ^2/NDF: 27.6/51

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

Out: 1945.720+/-134.677 χ^2/NDF:31.4/51

All: 2059.412+/-96.576 χ^2/NDF: 73.4/98



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

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

Right Out: 783.797+/-0.143 χ^2/NDF: 21053.9/27

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

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

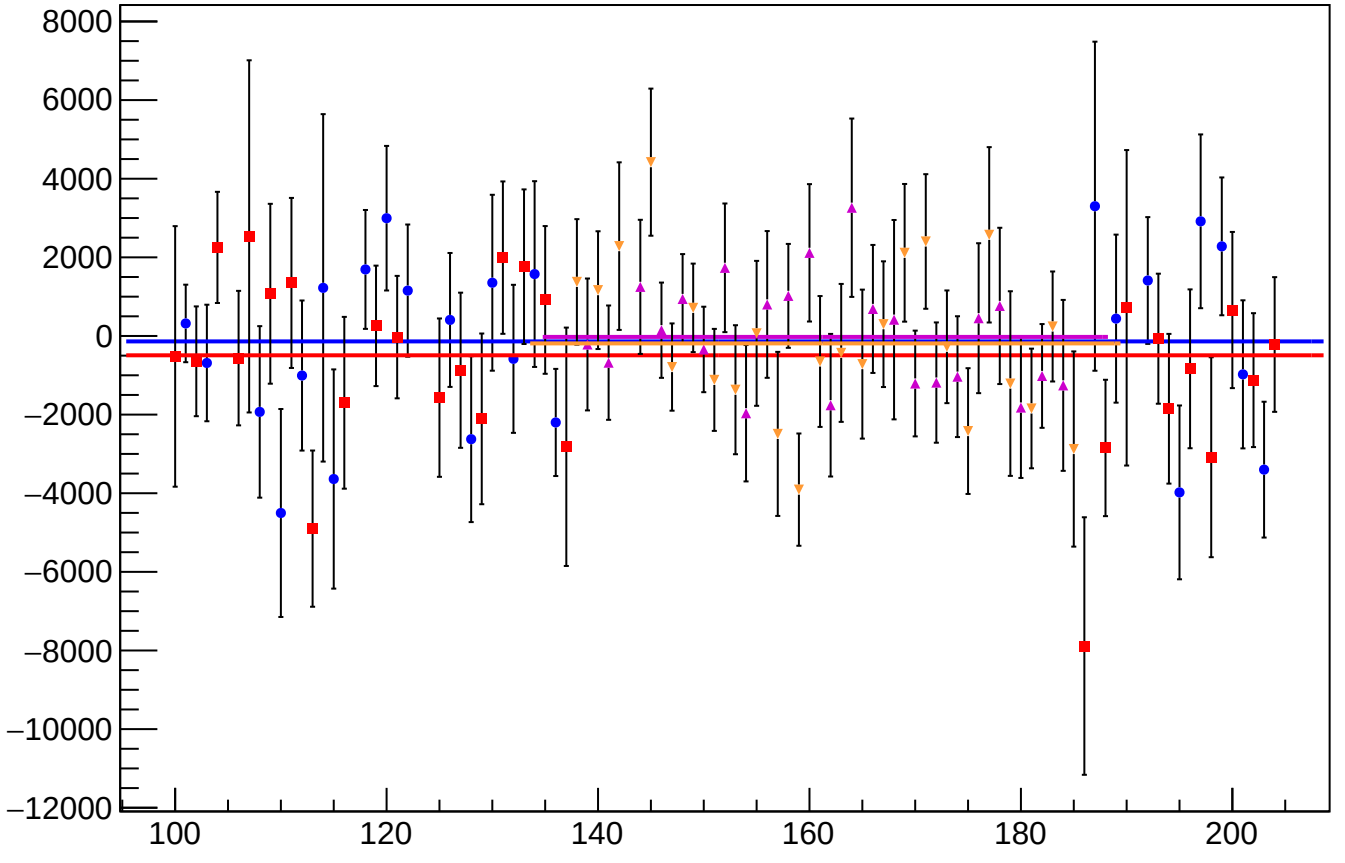
Right: 780.751+/-0.104 χ^2/NDF: 36233.1/51

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

Out: 780.972+/-0.095 χ^2/NDF:25149.0/51

All: 779.837+/-0.068 χ^2/NDF: 43955.5/98

asym_us_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



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

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

Right Out: -491.674+/-370.063 χ^2/NDF: 25.2/27

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

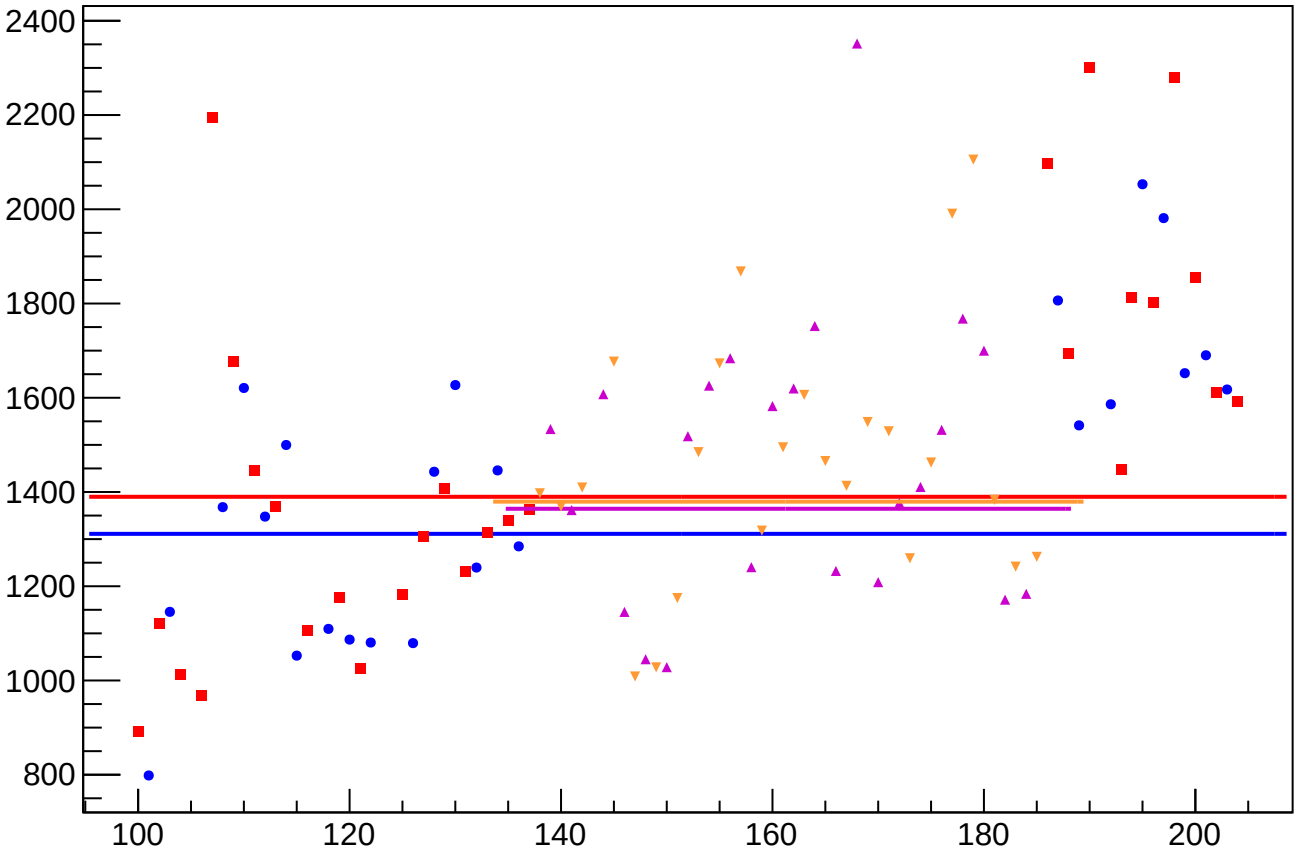
Left: -105.906+/-231.038 χ^2/NDF: 43.2/46

Right: -316.559+/-262.957 χ^2/NDF: 53.3/51

In: -73.073+/-245.585 χ^2/NDF:41.2/46

Out: -322.020+/-245.325 χ^2/NDF:55.1/51

All: -197.679+/-173.563 χ^2/NDF: 96.8/98


asym_us_avg_eigen_cor_correction_rms vs Slug, Sign Corrected
2400
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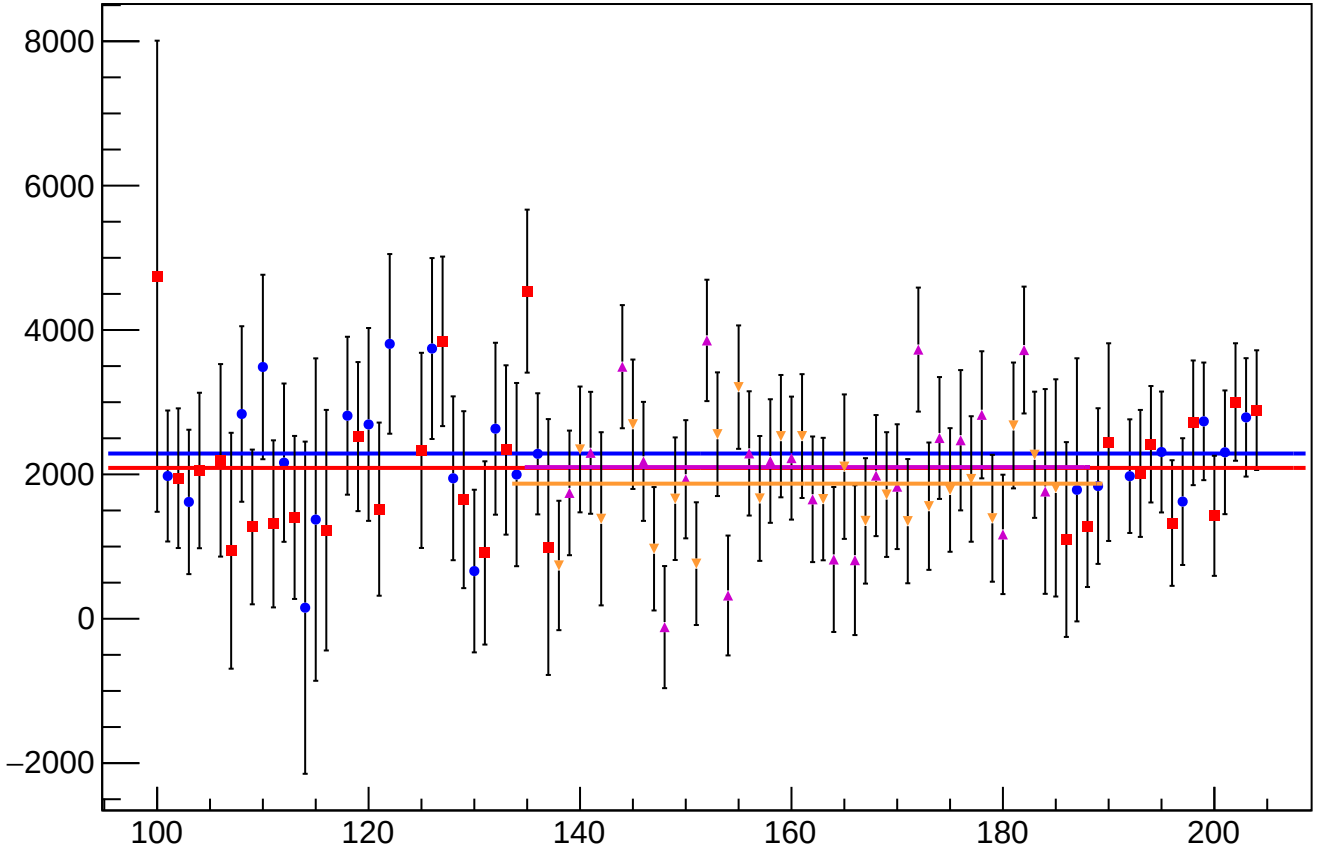
Right In: 1311.202+/-0.264 χ²/NDF: 1552150.4/23
Left Out: 1379.536+/-0.232 χ²/NDF:1158468.5/23
Right Out: 1389.850+/-0.262 χ²/NDF: 1565208.4/27
Left In: 1364.412+/-0.230 χ²/NDF:1312299.5/22
Left: 1371.931+/-0.163 χ²/NDF: 2472910.6/46
Right: 1350.913+/-0.186 χ²/NDF: 3162082.6/51
In: 1341.434+/-0.174 χ²/NDF:2887485.8/46
Out: 1384.069+/-0.173 χ²/NDF:2724547.7/51
All: 1362.774+/-0.123 χ²/NDF: 5642204.1/98

dit_asym_us_avg_mean vs Slug, Sign Corrected



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

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

Right Out: 2089.486+/-203.445 χ^2/NDF: 17.5/27

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

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

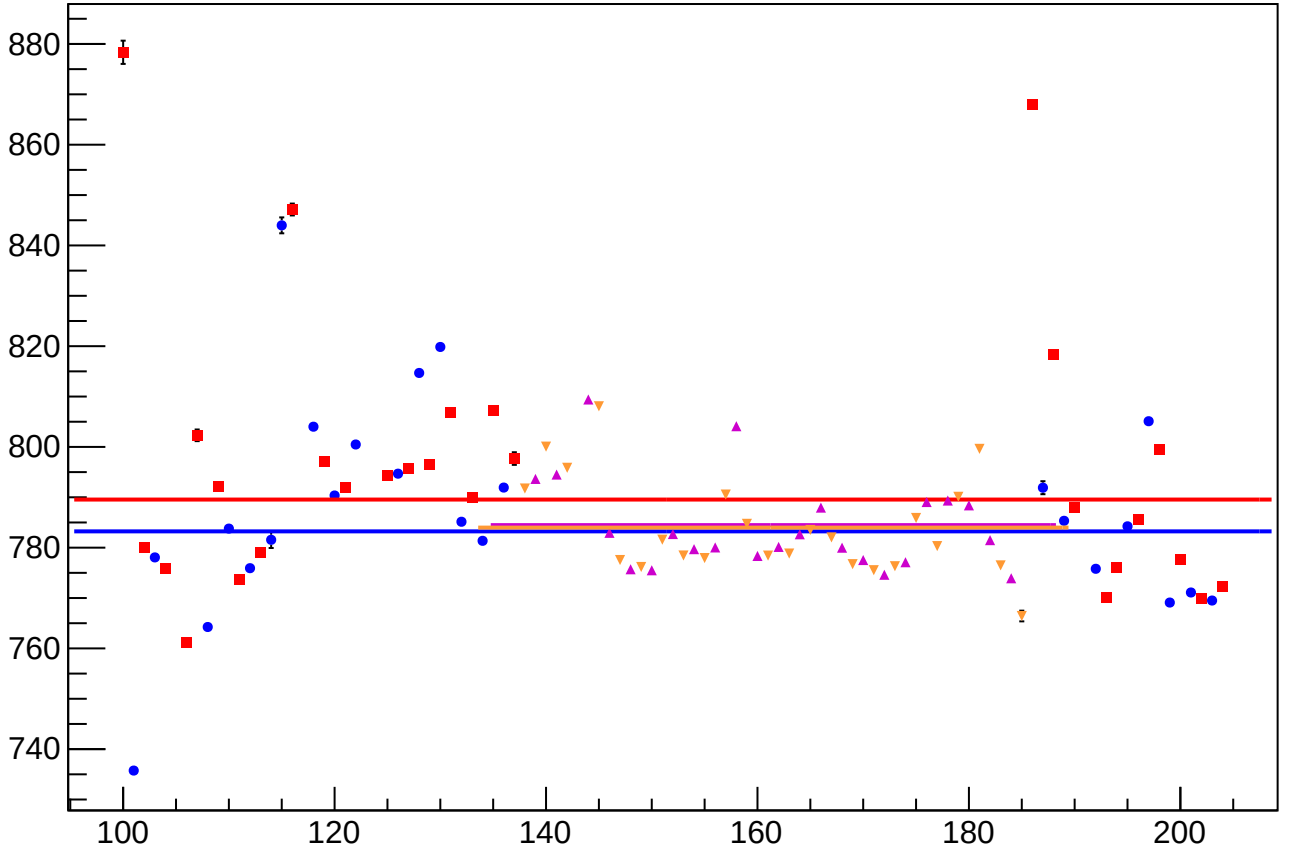
Right: 2183.528+/-147.879 χ^2/NDF: 27.8/51

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

Out: 1968.365+/-135.634 χ^2/NDF:30.6/51

All: 2071.147+/-97.253 χ^2/NDF: 73.8/98

dit_asym_us_avg_rms vs Slug, Sign Corrected



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

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

Right Out: 789.550+/-0.144 χ^2/NDF: 20564.3/27

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

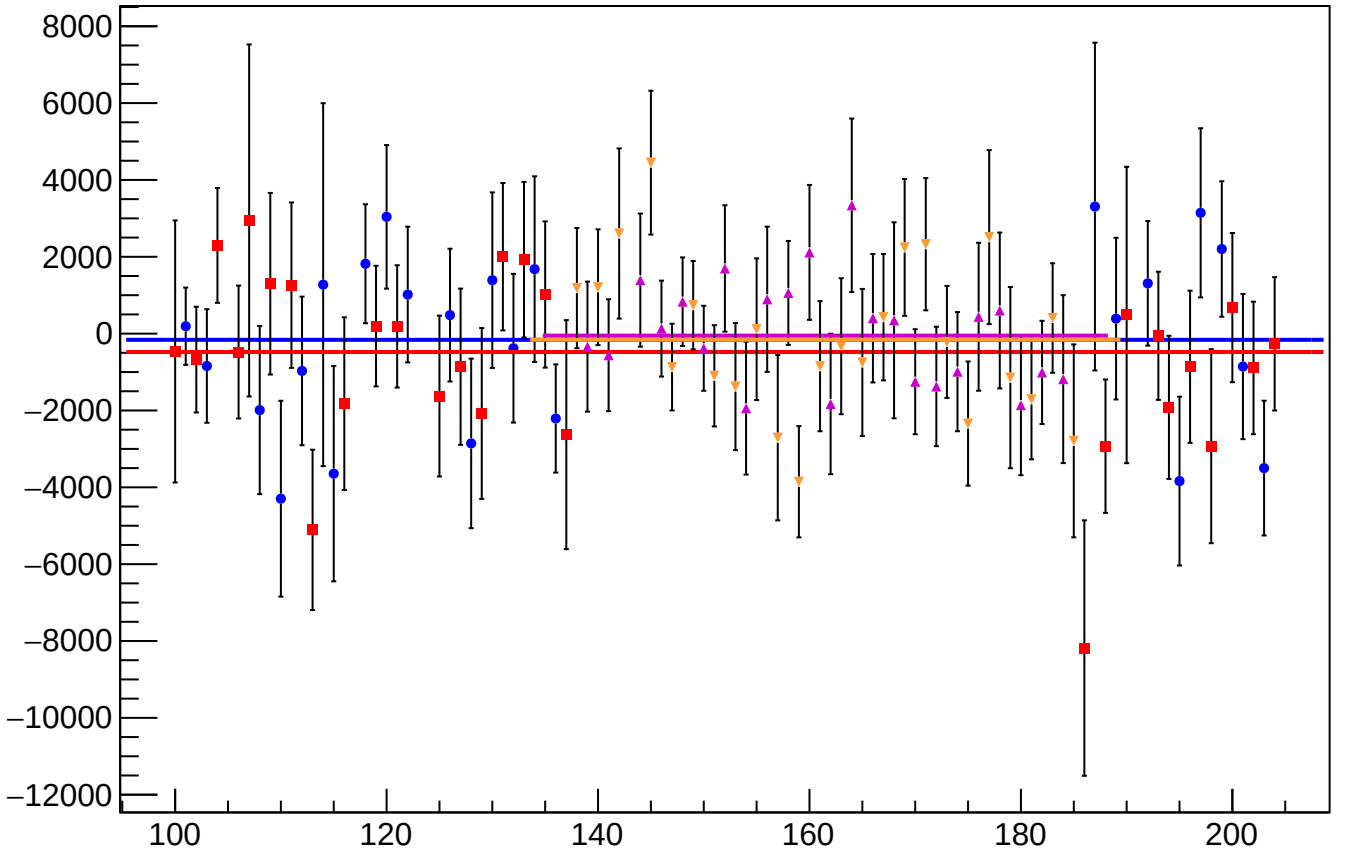
Left: 784.225+/-0.091 χ^2/NDF: 9863.0/46

Right: 786.572+/-0.105 χ^2/NDF: 37304.1/51

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

Out: 786.457+/-0.096 χ^2/NDF:26324.7/51

All: 785.240+/-0.069 χ^2/NDF: 47452.8/98



Right In: -160.993+/-379.318 χ^2/NDF: 27.5/23

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

Right Out: -477.700+/-374.557 χ^2/NDF: 25.5/27

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

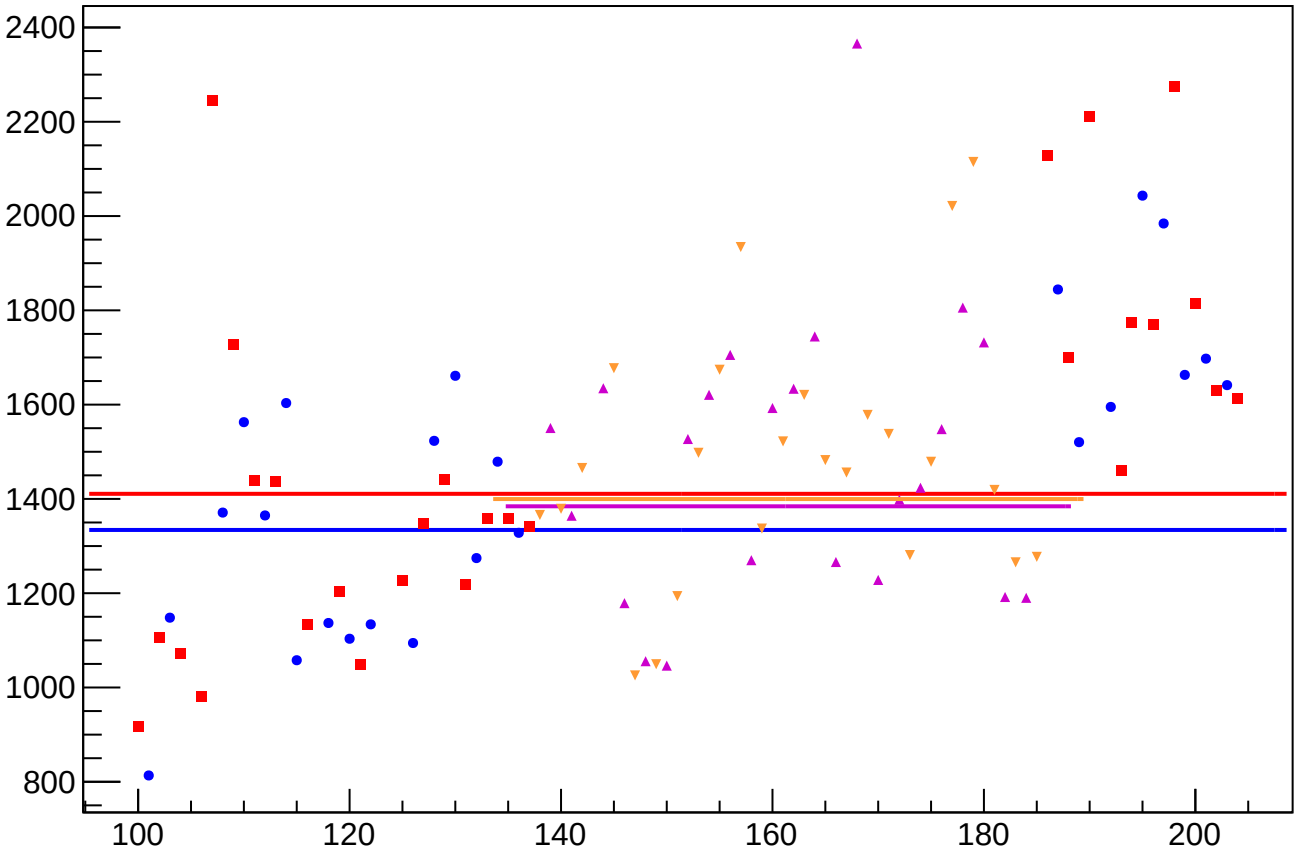
Left: -105.304+/-234.189 χ^2/NDF: 42.6/46

Right: -321.347+/-266.519 χ^2/NDF: 53.3/51

In: -98.974+/-249.057 χ^2/NDF:40.9/46

Out: -299.467+/-248.529 χ^2/NDF:55.0/51

All: -199.434+/-175.923 χ^2/NDF: 96.2/98


asym_us_avg_dit_correction_rms vs Slug, Sign Corrected
2400
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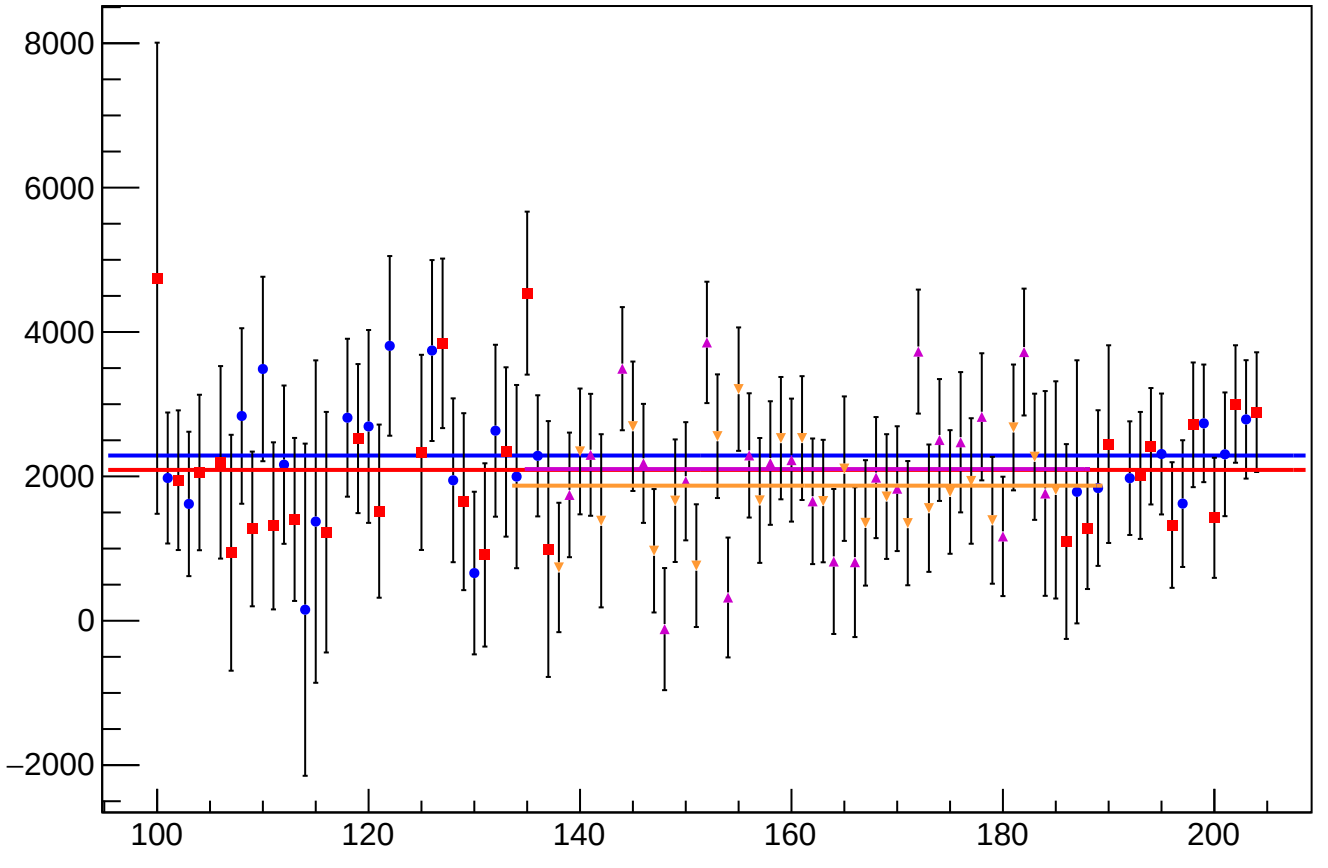
180
200
Right In: 1334.164+/-0.268 χ²/NDF: 1487135.0/23
Left Out: 1399.717+/-0.235 χ²/NDF:1136350.2/23
Right Out: 1410.809+/-0.265 χ²/NDF: 1438058.5/27
Left In: 1384.333+/-0.233 χ²/NDF:1269936.6/22
Left: 1391.979+/-0.166 χ²/NDF: 2408444.2/46
Right: 1372.971+/-0.188 χ²/NDF: 2966537.6/51
In: 1362.705+/-0.176 χ²/NDF:2776974.9/46
Out: 1404.601+/-0.176 χ²/NDF:2575390.5/51
All: 1383.697+/-0.124 χ²/NDF: 5380722.5/98



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

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

Right Out: 2089.484+/-203.444 χ^2/NDF: 17.5/27

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

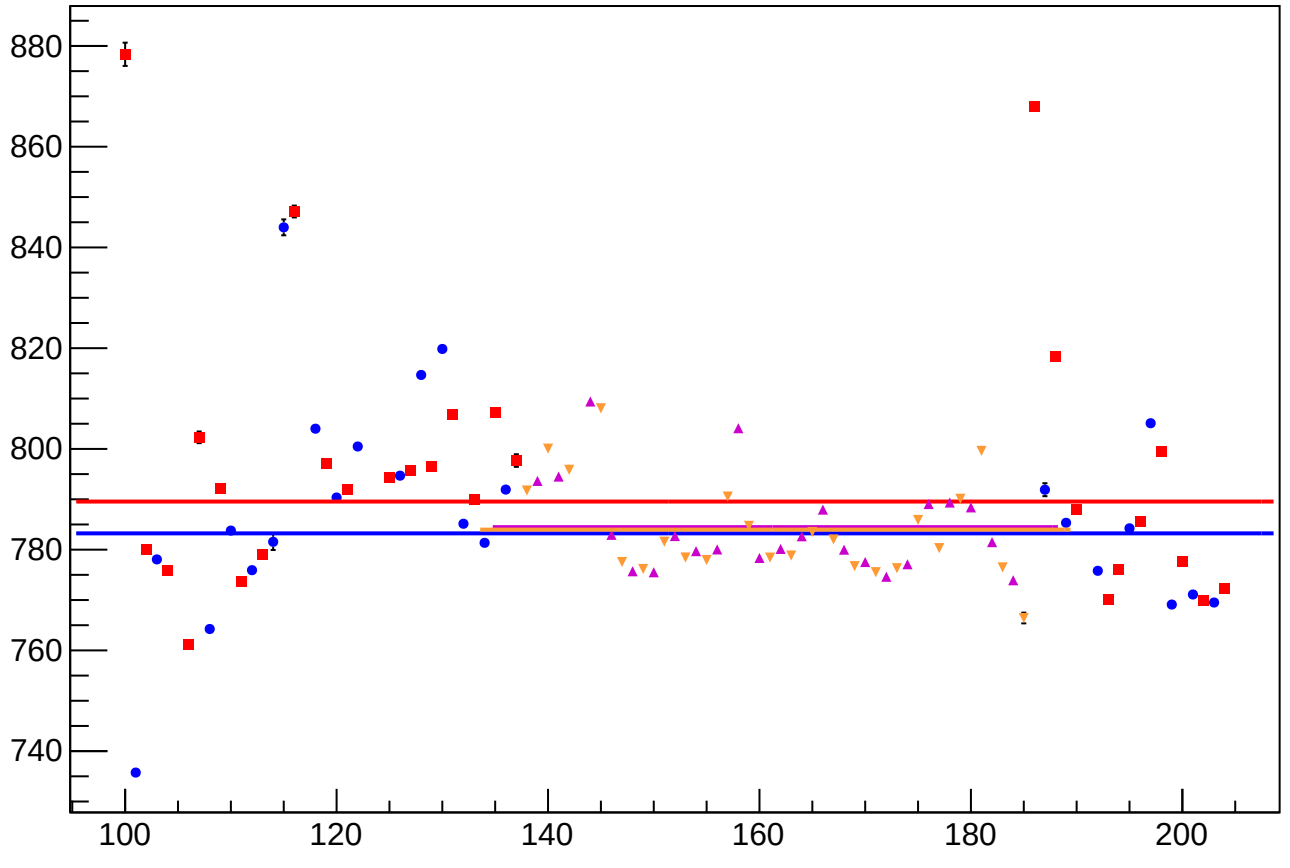
Left: 1985.495+/-129.100 χ^2/NDF: 45.0/46

Right: 2183.526+/-147.879 χ^2/NDF: 27.8/51

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

Out: 1968.363+/-135.634 χ^2/NDF:30.6/51

All: 2071.146+/-97.253 χ^2/NDF: 73.8/98



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

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

Right Out: 789.550+/-0.144 χ^2/NDF: 20564.2/27

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

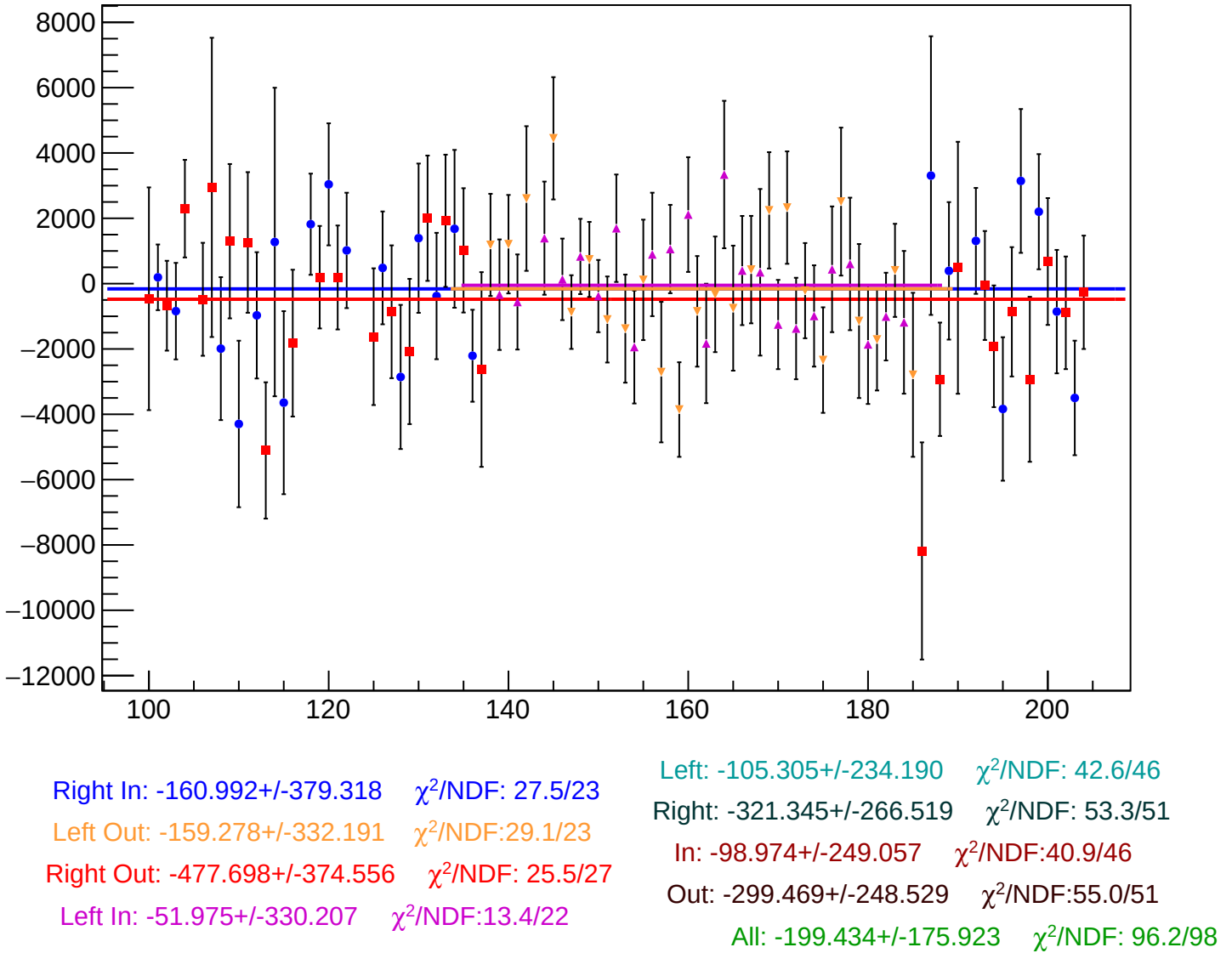
Left: 784.225+/-0.091 χ^2/NDF: 9863.0/46

Right: 786.572+/-0.105 χ^2/NDF: 37304.0/51

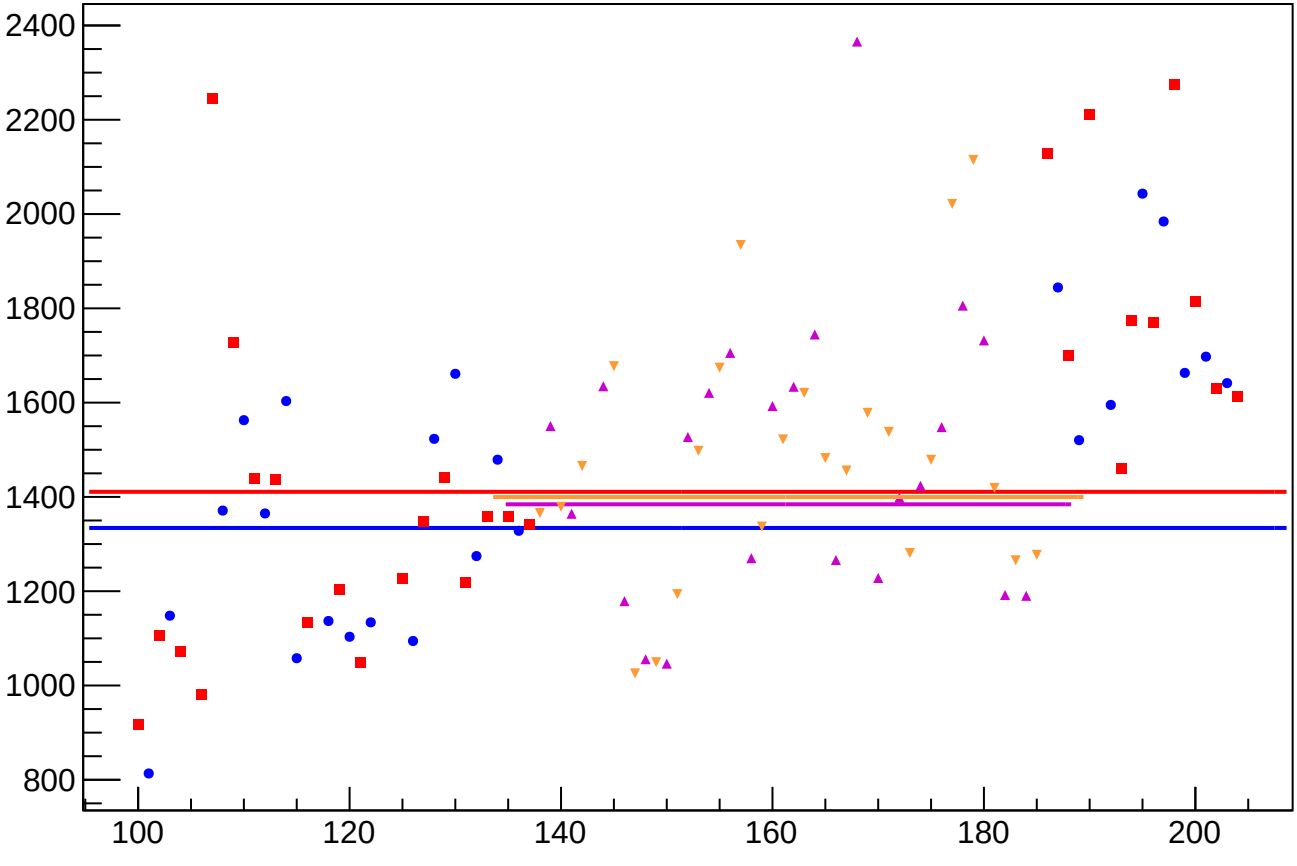
In: 783.953+/-0.099 χ^2/NDF:20797.0/46

Out: 786.457+/-0.096 χ^2/NDF:26324.6/51

All: 785.240+/-0.069 χ^2/NDF: 47452.7/98


asym_us_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
100
120
140
160
180
200
Right In: -160.992+/-379.318 χ²/NDF: 27.5/23
Left Out: -159.278+/-332.191 χ²/NDF:29.1/23
Right Out: -477.698+/-374.556 χ²/NDF: 25.5/27
Left In: -51.975+/-330.207 χ²/NDF:13.4/22
Left: -105.305+/-234.190 χ²/NDF: 42.6/46
Right: -321.345+/-266.519 χ²/NDF: 53.3/51
In: -98.974+/-249.057 χ²/NDF:40.9/46
Out: -299.469+/-248.529 χ²/NDF:55.0/51
All: -199.434+/-175.923 χ²/NDF: 96.2/98

asym_us_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



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

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

Right Out: 1410.807+/-0.265 χ^2/NDF: 1438075.9/27

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

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

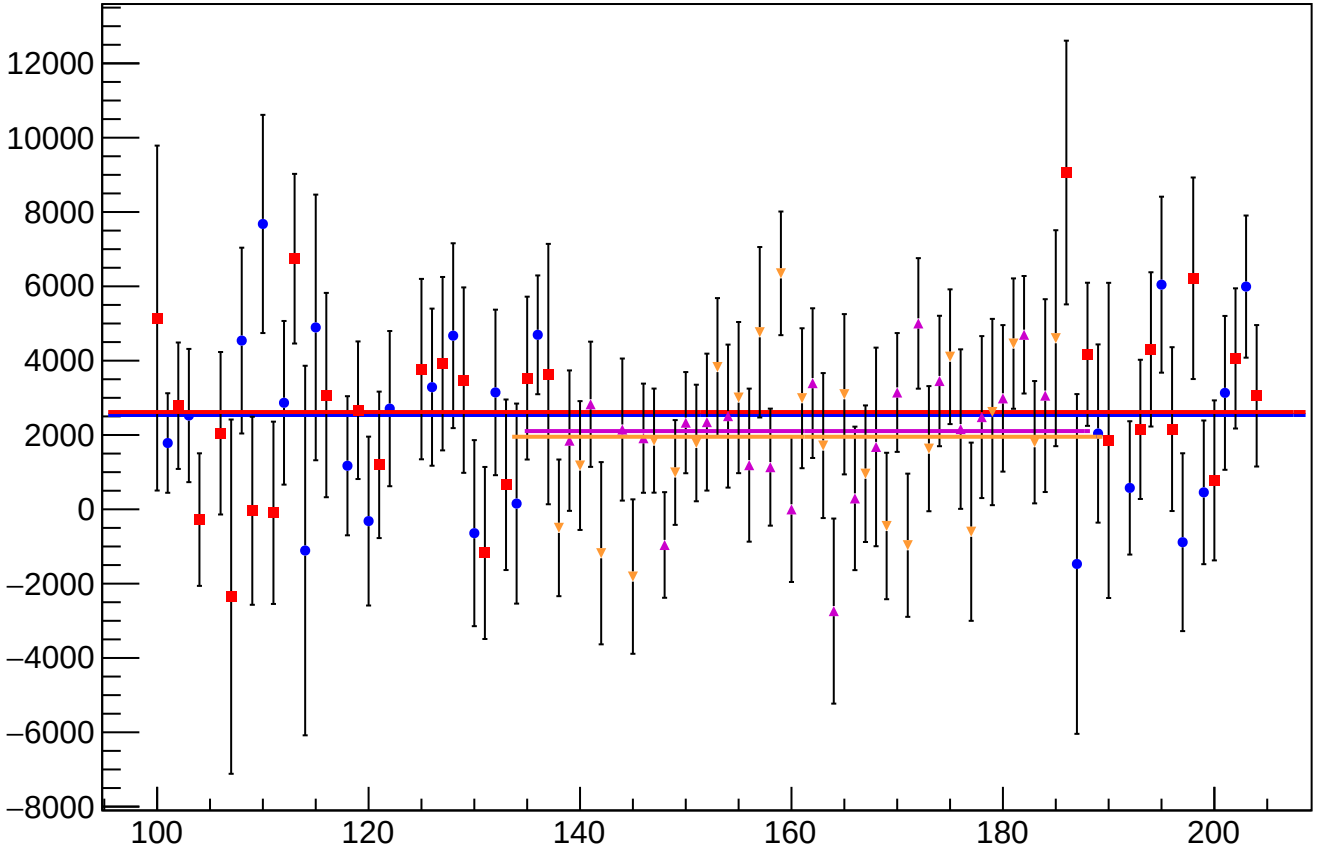
Right: 1372.969+/-0.188 χ^2/NDF: 2966568.6/51

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

Out: 1404.601+/-0.176 χ^2/NDF:2575408.1/51

All: 1383.698+/-0.124 χ^2/NDF: 5380758.1/98

asym_us_avg_mean vs Slug, Sign Corrected



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

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

Right Out: 2617.910+/-431.417 χ^2/NDF: 22.4/27

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

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

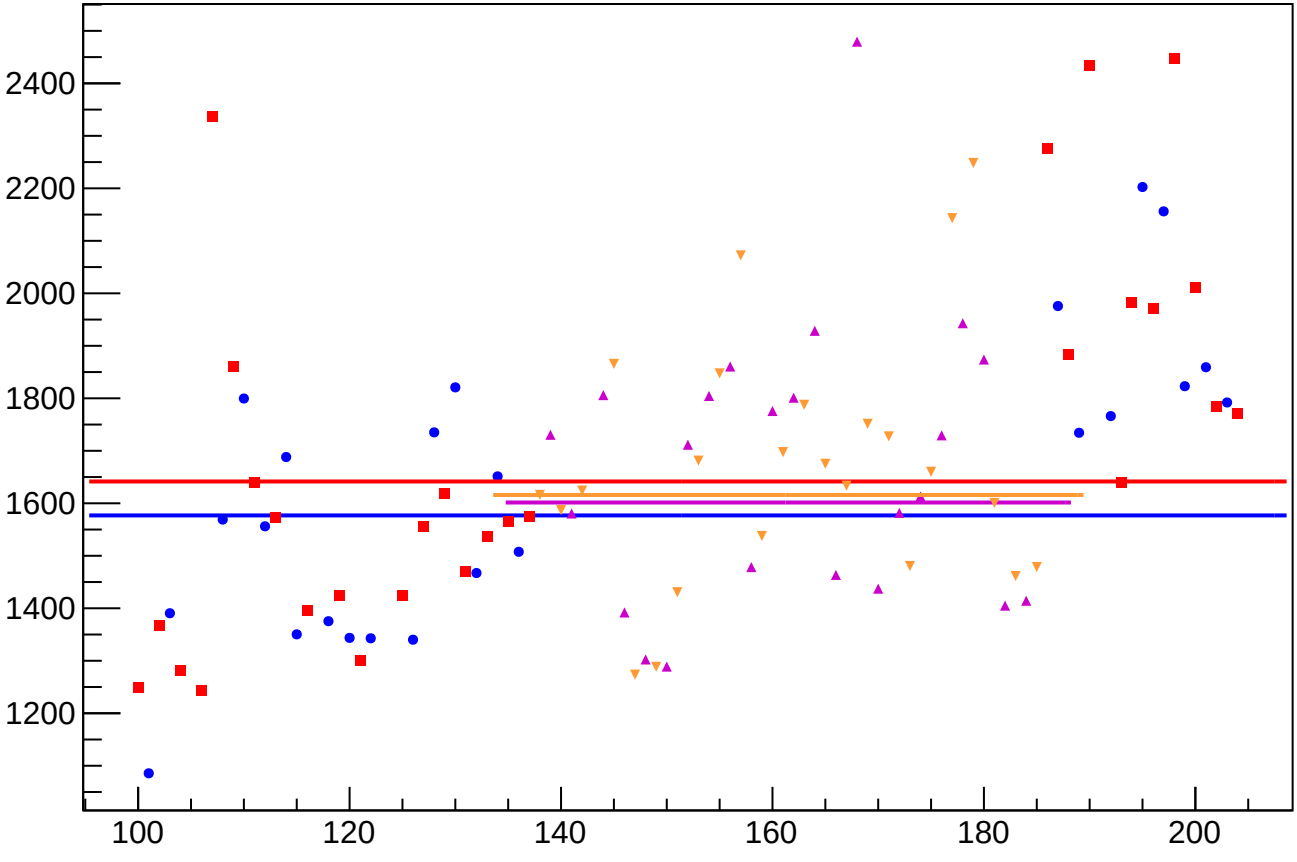
Right: 2579.195+/-308.796 χ^2/NDF: 45.5/51

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

Out: 2243.387+/-285.269 χ^2/NDF:51.1/51

All: 2265.927+/-202.600 χ^2/NDF: 93.3/98

asym_us_avg_rms vs Slug, Sign Corrected



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

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

Right Out: 1641.571+/-0.305 χ^2/NDF: 932779.5/27

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

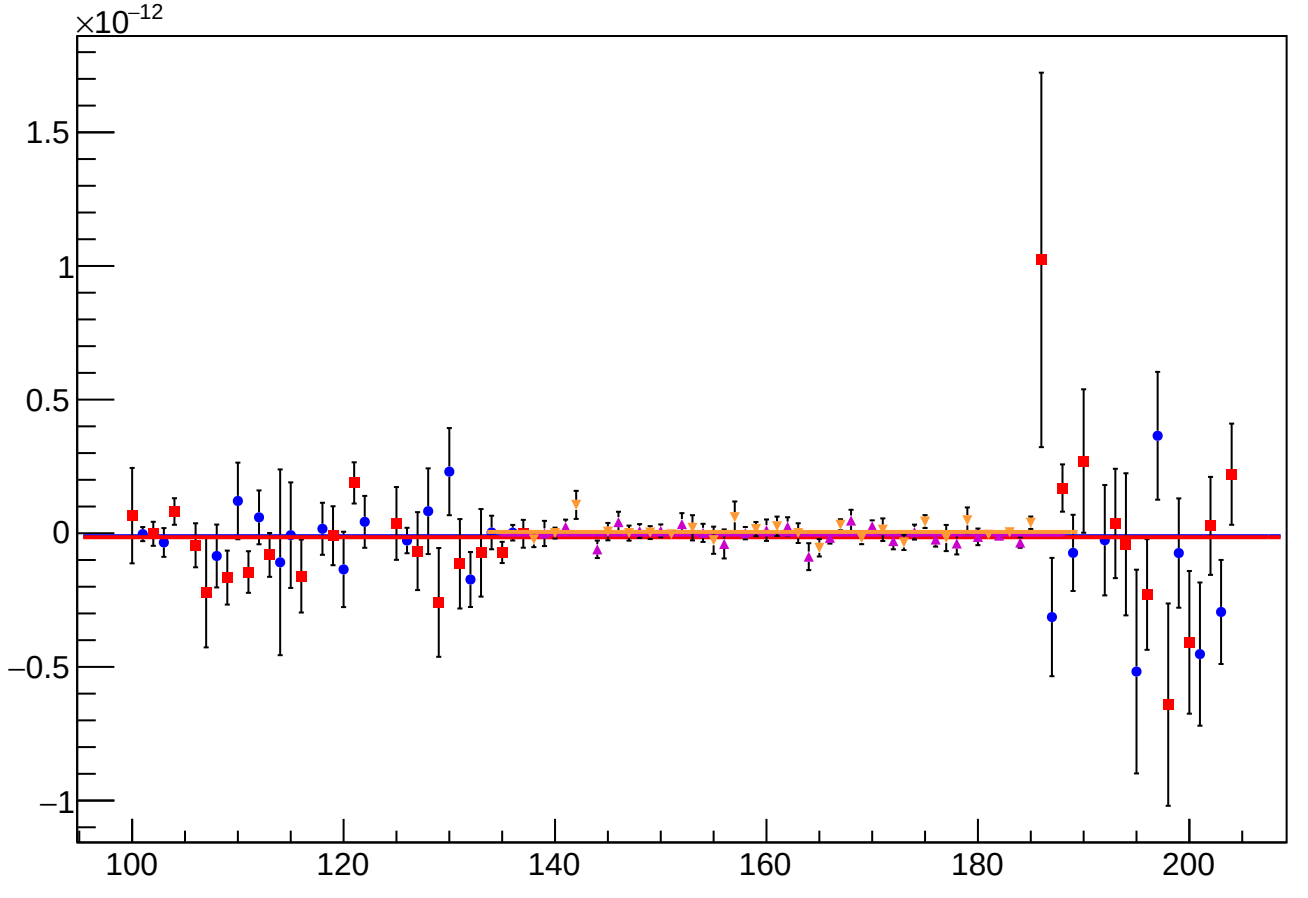
Left: 1608.652+/-0.190 χ^2/NDF: 1489505.9/46

Right: 1610.027+/-0.218 χ^2/NDF: 1795758.2/51

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

Out: 1627.098+/-0.202 χ^2/NDF:1631132.3/51

All: 1609.244+/-0.143 χ^2/NDF: 3285286.7/98



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

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

Right Out: -0.000+/-0.000 χ^2/NDF: 38.6/27

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

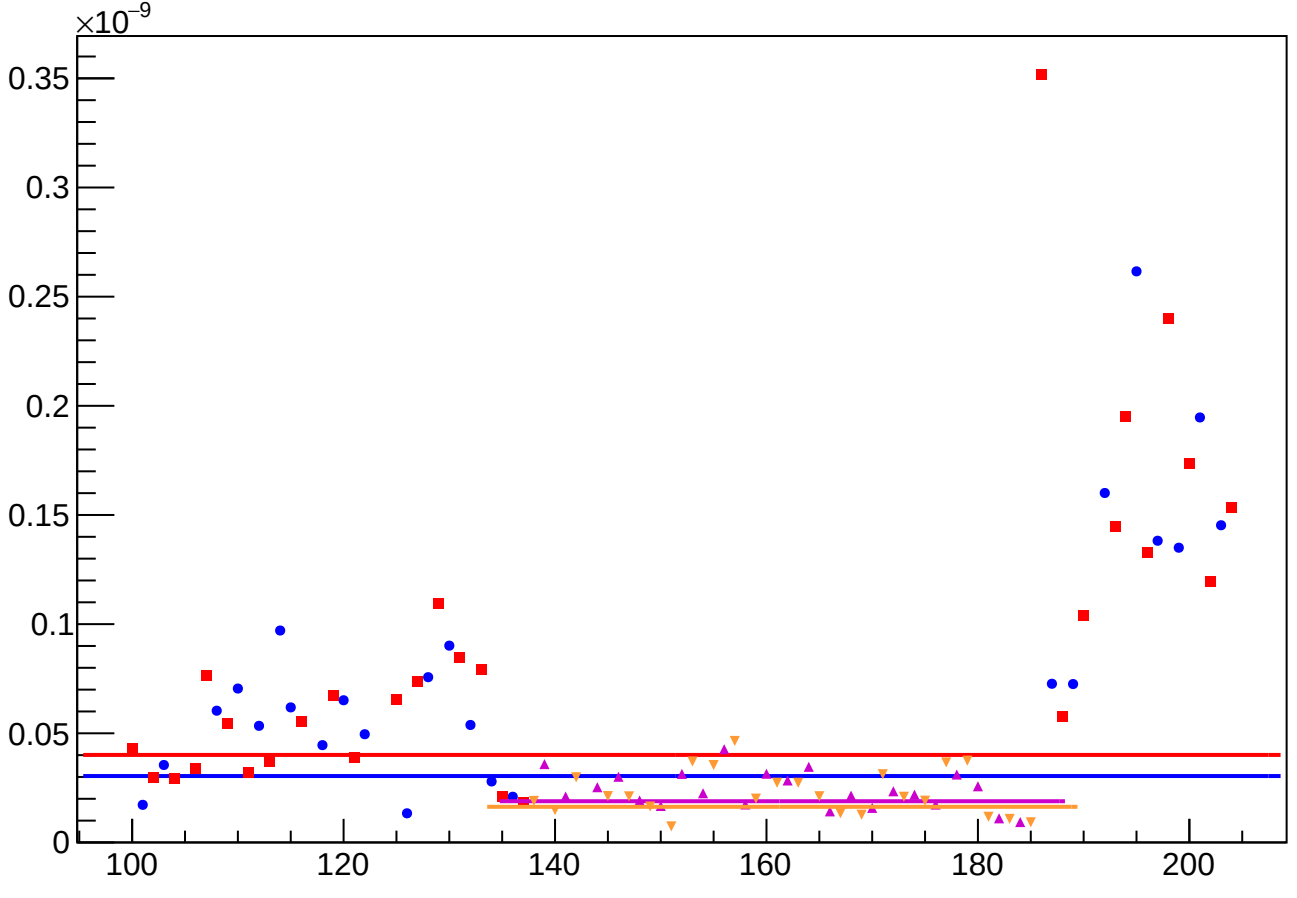
Left: 0.000+/-0.000 χ^2/NDF: 42.0/46

Right: -0.000+/-0.000 χ^2/NDF: 58.4/51

In: -0.000+/-0.000 χ^2/NDF:39.4/46

Out: 0.000+/-0.000 χ^2/NDF:60.7/51

All: -0.000+/-0.000 χ^2/NDF: 101.6/98



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

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

Right Out: 0.000+/-0.000 χ^2/NDF: 6304256.9/27

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

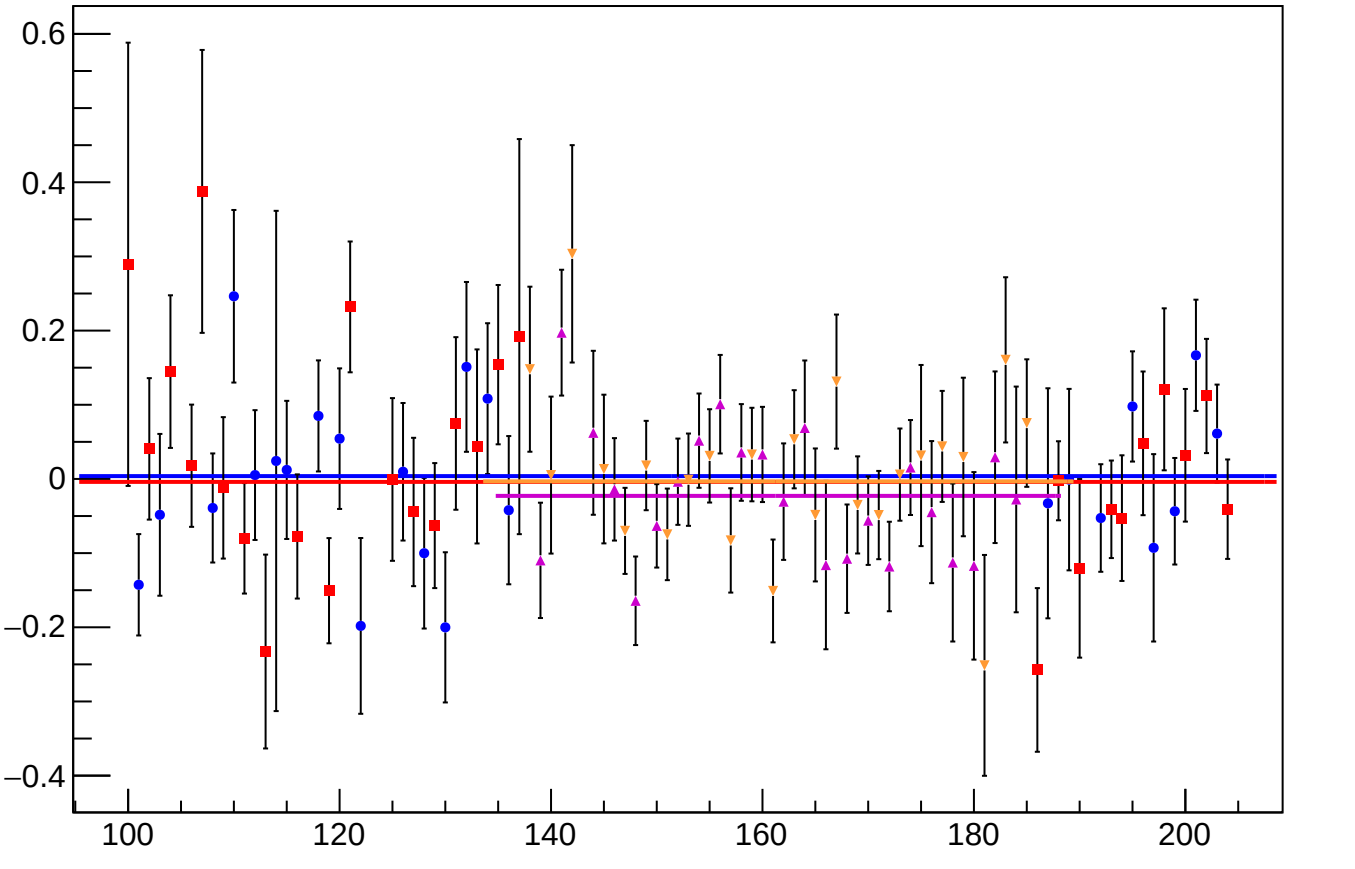
Left: 0.000+/-0.000 χ^2/NDF: 7731818.4/46

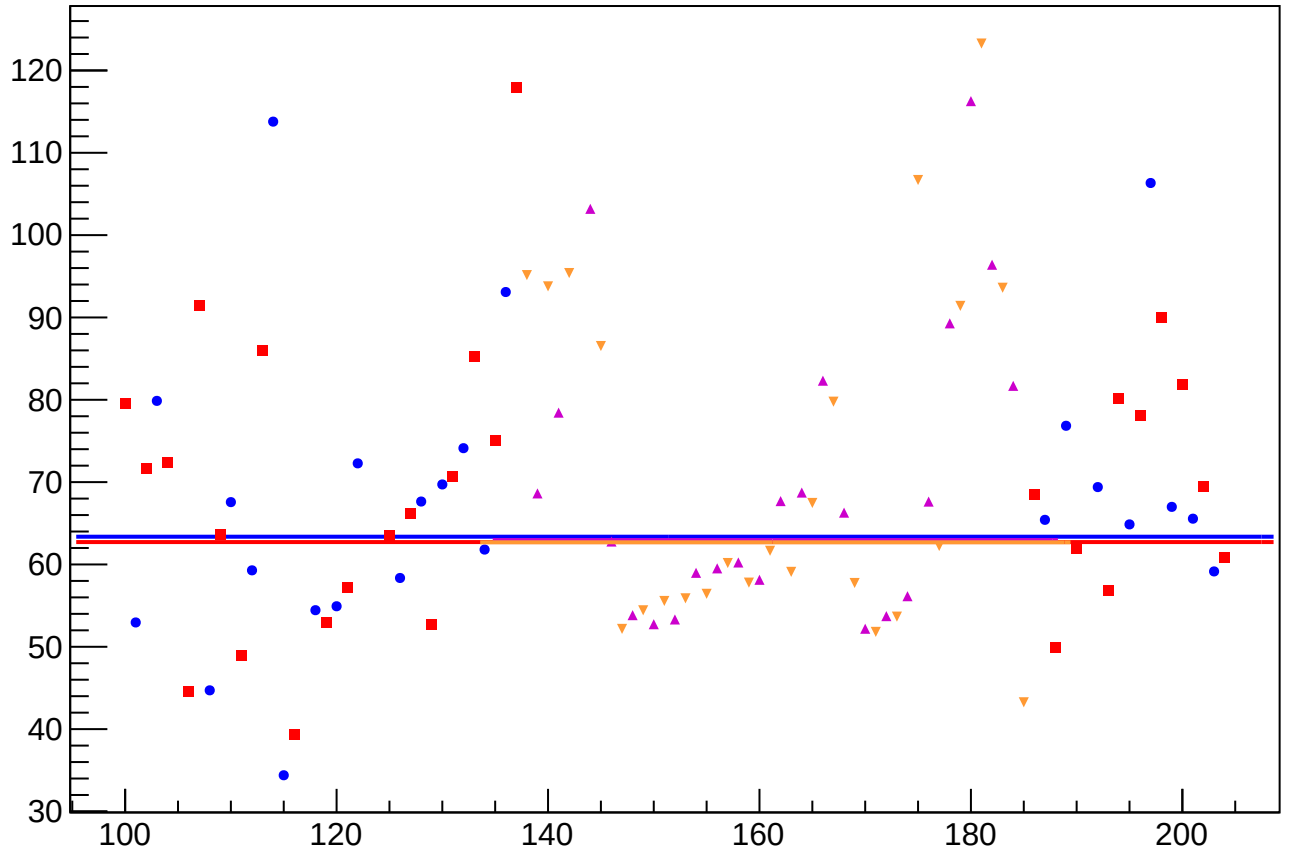
Right: 0.000+/-0.000 χ^2/NDF: 13087561.7/51

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

Out: 0.000+/-0.000 χ^2/NDF:13982381.7/51

All: 0.000+/-0.000 χ^2/NDF: 24863214.3/98


asym_us_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected
0.6
0.4
0.2
0
−0.2
−0.4
100
120
140
160
180
200
Right In: 0.004+/-0.019 χ²/NDF: 30.7/23
Left Out: -0.003+/-0.015 χ²/NDF:25.9/23
Right Out: -0.004+/-0.017 χ²/NDF: 39.0/27
Left In: -0.023+/-0.015 χ²/NDF:29.0/22
Left: -0.013+/-0.011 χ²/NDF: 55.7/46
Right: -0.000+/-0.013 χ²/NDF: 69.8/51
In: -0.012+/-0.012 χ²/NDF:60.8/46
Out: -0.004+/-0.012 χ²/NDF:64.9/51
All: -0.008+/-0.008 χ²/NDF: 126.0/98



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

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

Right Out: 62.719+/-0.012 χ^2/NDF: 1235653.4/27

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

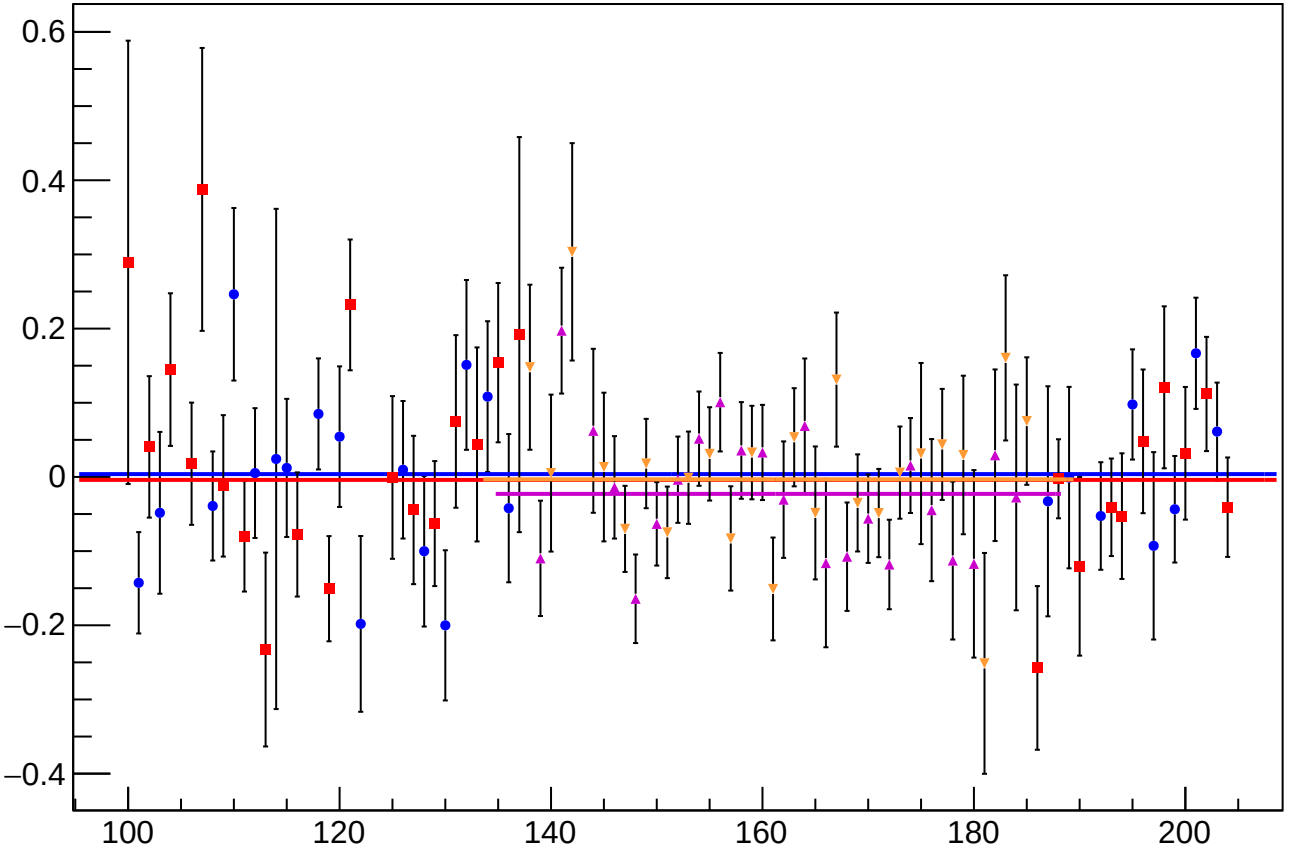
Left: 62.825+/-0.008 χ^2/NDF: 3370112.8/46

Right: 63.022+/-0.009 χ^2/NDF: 2256643.0/51

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

Out: 62.705+/-0.008 χ^2/NDF:3175056.8/51

All: 62.909+/-0.006 χ^2/NDF: 5627032.9/98



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

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

Right Out: -0.004+/-0.017 χ^2/NDF: 39.0/27

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

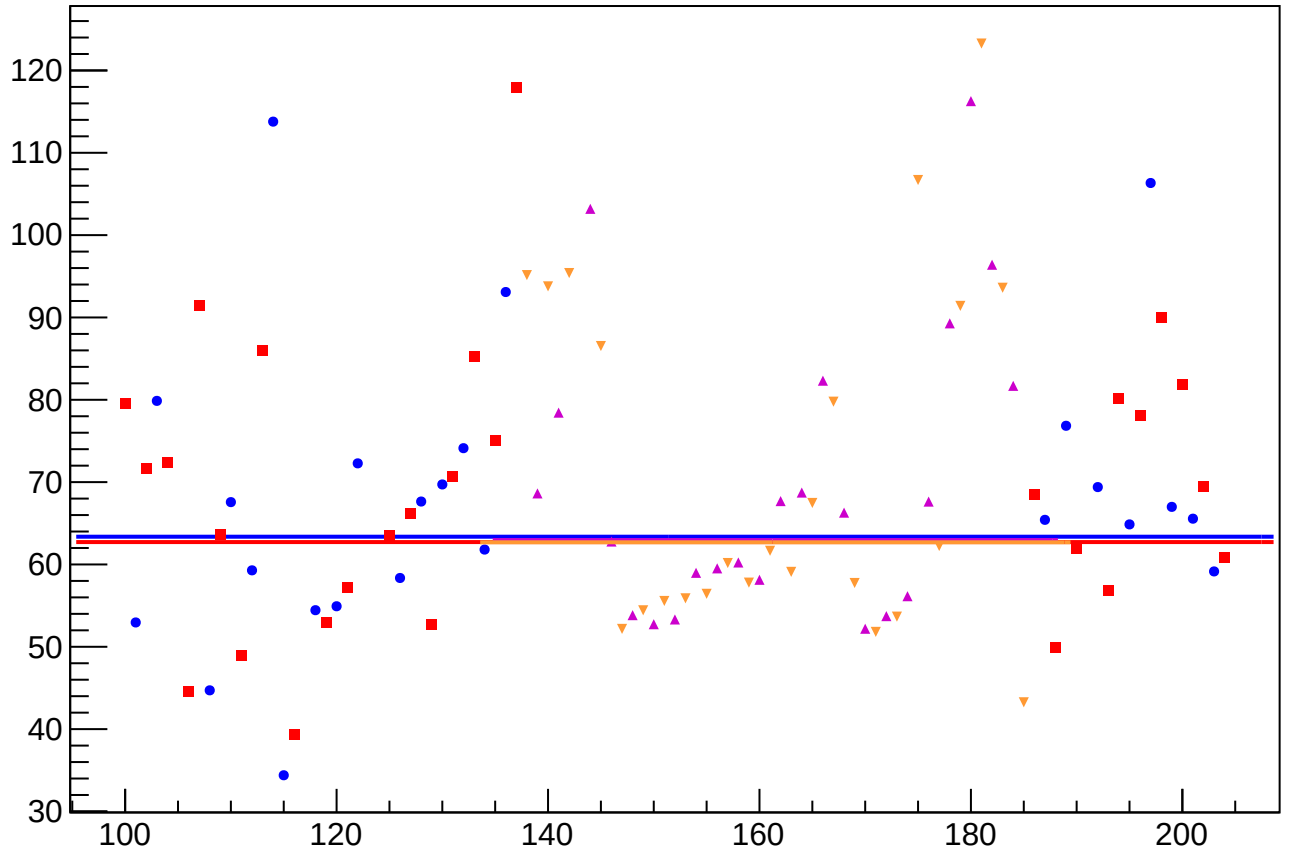
Left: -0.013+/-0.011 χ^2/NDF: 55.7/46

Right: -0.000+/-0.013 χ^2/NDF: 69.8/51

In: -0.012+/-0.012 χ^2/NDF:60.8/46

Out: -0.004+/-0.012 χ^2/NDF:64.9/51

All: -0.008+/-0.008 χ^2/NDF: 126.0/98



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

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

Right Out: 62.719+/-0.012 χ^2/NDF: 1235653.4/27

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

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

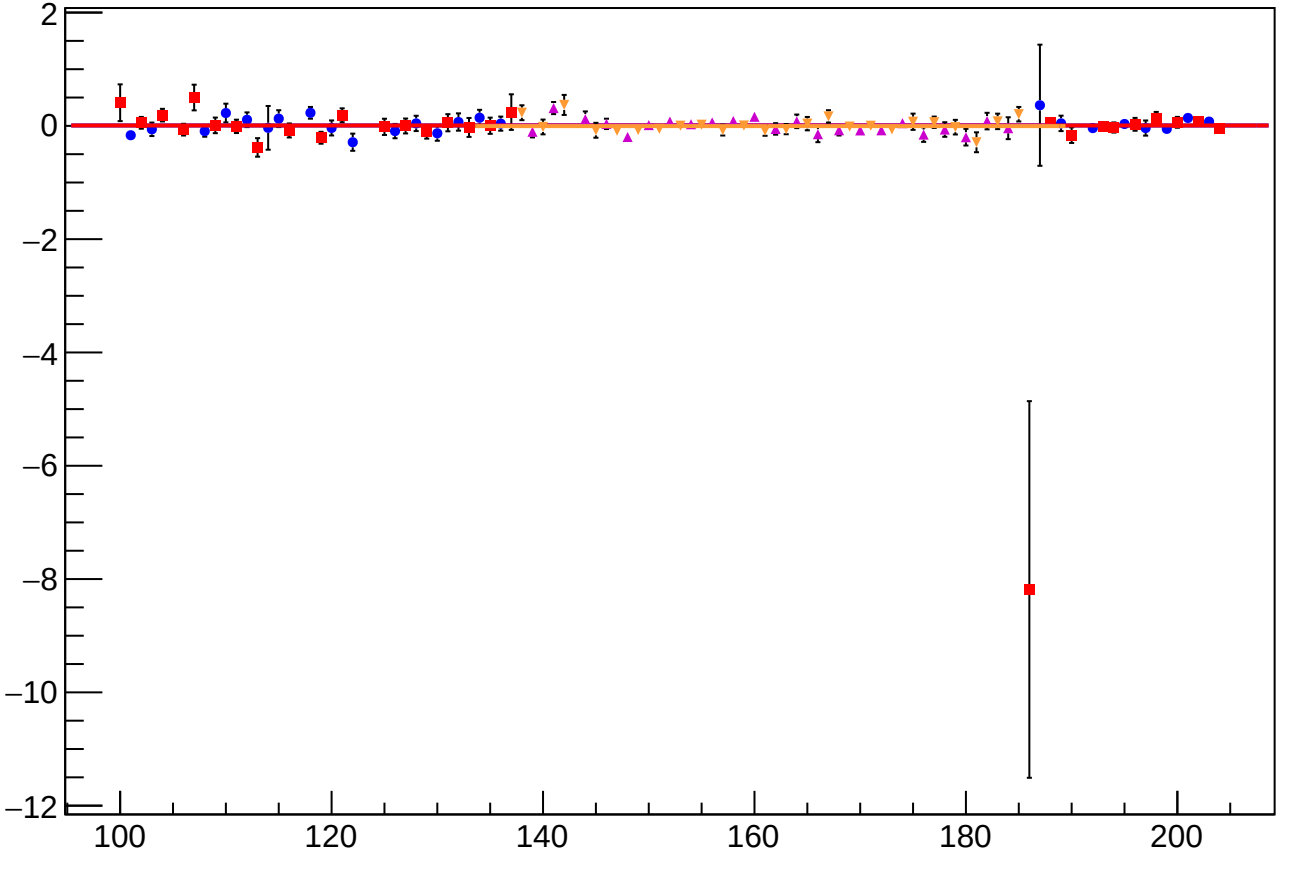
Right: 63.022+/-0.009 χ^2/NDF: 2256643.0/51

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

Out: 62.705+/-0.008 χ^2/NDF:3175056.8/51

All: 62.909+/-0.006 χ^2/NDF: 5627032.9/98

asym_us_avg_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected



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

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

Right Out: 0.007+/-0.022 χ^2/NDF: 35.0/27

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

Left: -0.001+/-0.015 χ^2/NDF: 51.9/46

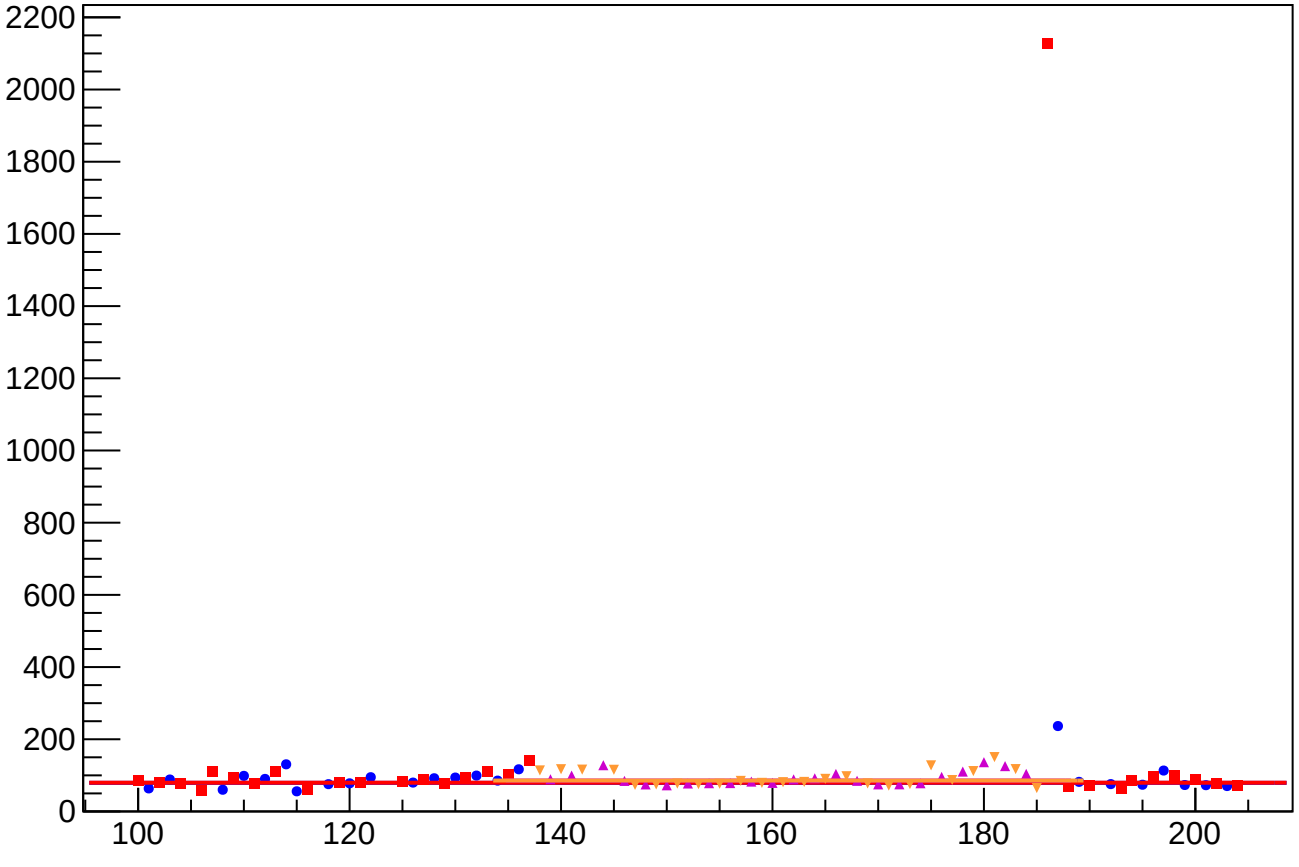
Right: 0.007+/-0.016 χ^2/NDF: 60.1/51

In: 0.004+/-0.015 χ^2/NDF:55.7/46

Out: 0.001+/-0.015 χ^2/NDF:56.4/51

All: 0.002+/-0.011 χ^2/NDF: 112.2/98

asym_us_avg_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



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

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

Right Out: 79.619+/-0.015 χ^2/NDF: 1560426.5/27

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

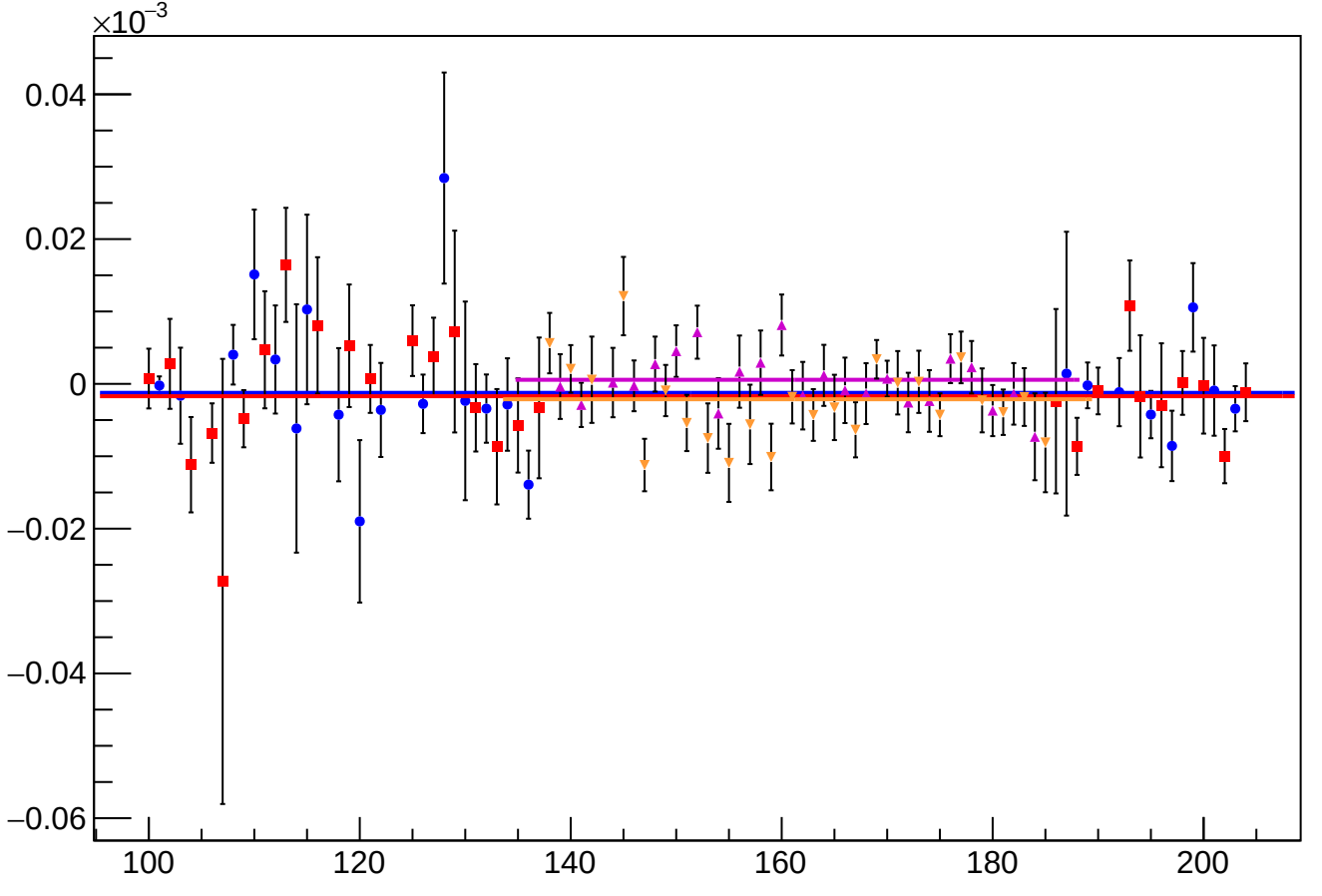
Left: 85.665+/-0.010 χ^2/NDF: 2348620.8/46

Right: 79.418+/-0.011 χ^2/NDF: 2370384.6/51

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

Out: 82.792+/-0.011 χ^2/NDF:2993788.1/51

All: 82.785+/-0.008 χ^2/NDF: 4887273.8/98



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

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

Right Out: -0.000+/-0.000 χ^2/NDF: 31.2/27

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

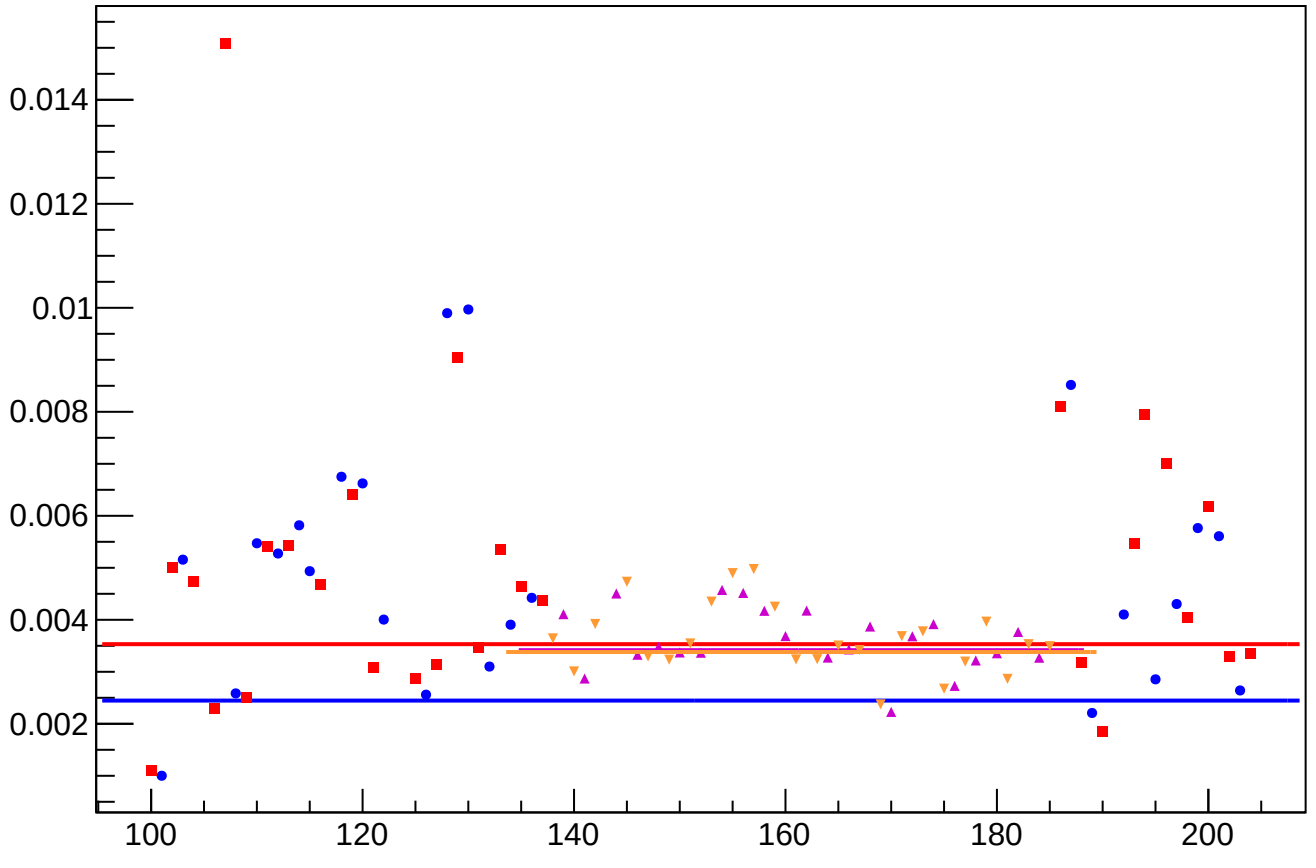
Left: -0.000+/-0.000 χ^2/NDF: 59.5/46

Right: -0.000+/-0.000 χ^2/NDF: 60.2/51

In: -0.000+/-0.000 χ^2/NDF:47.9/46

Out: -0.000+/-0.000 χ^2/NDF:68.7/51

All: -0.000+/-0.000 χ^2/NDF: 120.3/98



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

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

Right Out: 0.004+/-0.000 χ^2/NDF: 4747712.2/27

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

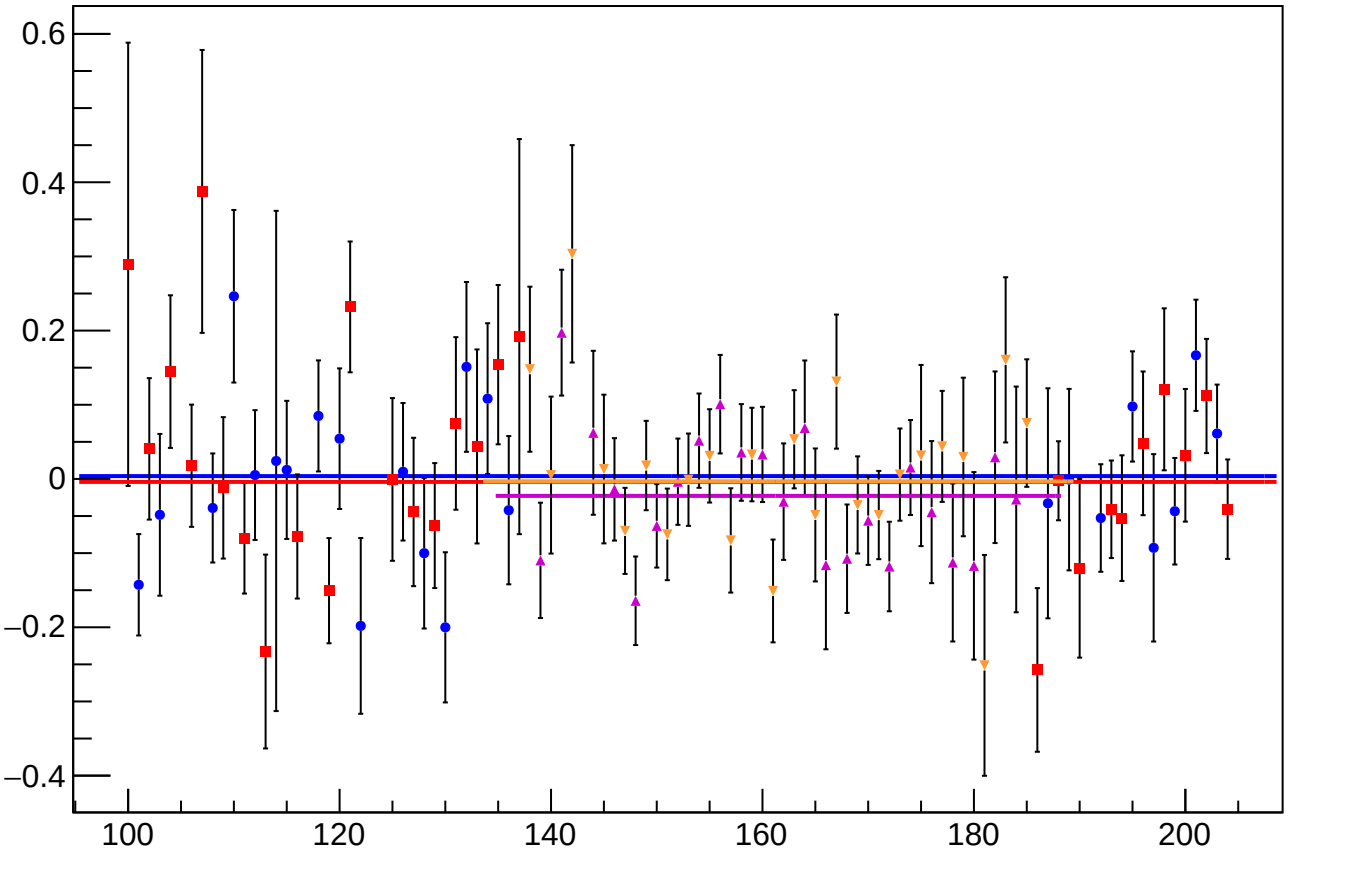
Left: 0.003+/-0.000 χ^2/NDF: 2367900.3/46

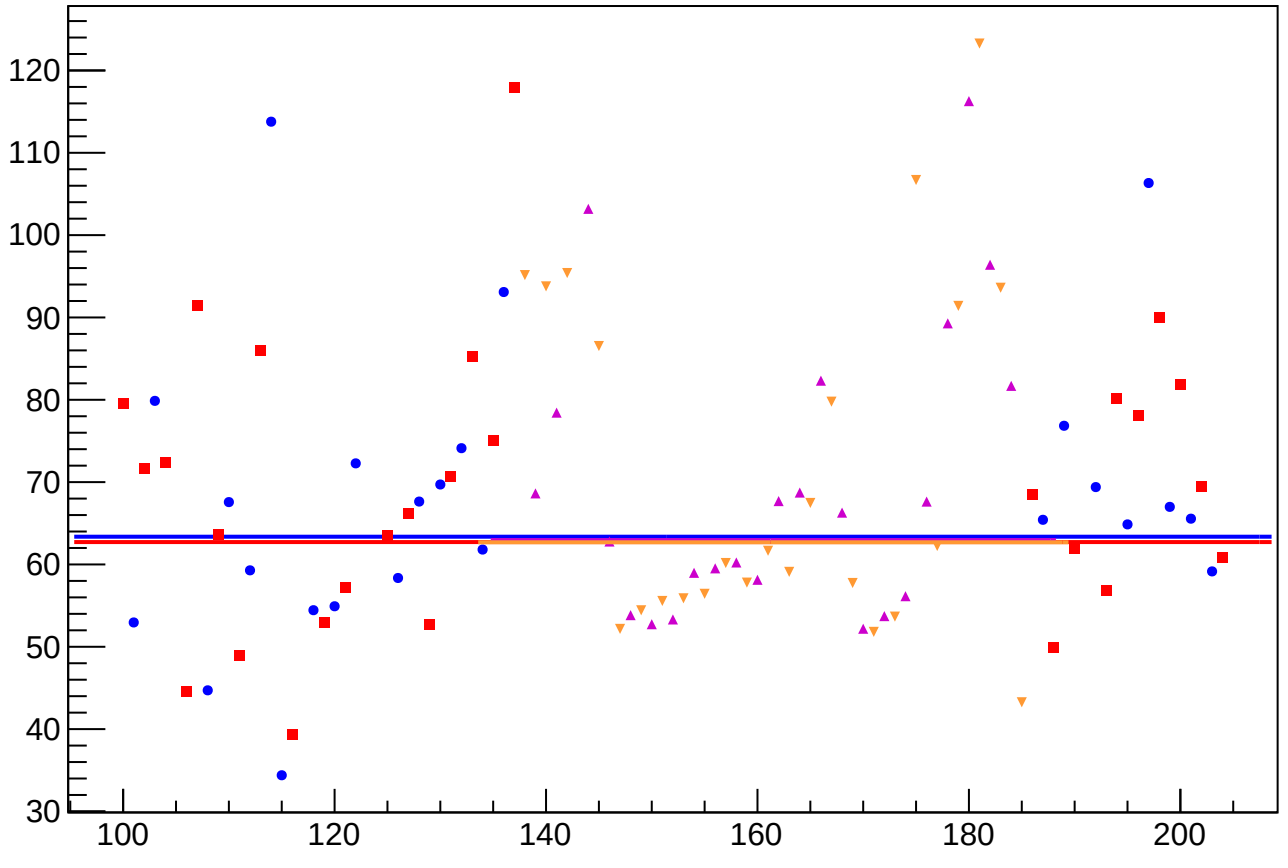
Right: 0.003+/-0.000 χ^2/NDF: 14044714.4/51

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

Out: 0.003+/-0.000 χ^2/NDF:5969642.2/51

All: 0.003+/-0.000 χ^2/NDF: 17142619.6/98


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
120
140
160
180
200
Right In: 0.004+/-0.019 χ²/NDF: 30.7/23
Left Out: -0.003+/-0.015 χ²/NDF:25.9/23
Right Out: -0.004+/-0.017 χ²/NDF: 39.0/27
Left In: -0.023+/-0.015 χ²/NDF:29.0/22
Left: -0.013+/-0.011 χ²/NDF: 55.7/46
Right: -0.000+/-0.013 χ²/NDF: 69.8/51
In: -0.012+/-0.012 χ²/NDF:60.8/46
Out: -0.004+/-0.012 χ²/NDF:64.9/51
All: -0.008+/-0.008 χ²/NDF: 126.0/98



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

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

Right Out: 62.718+/-0.012 χ^2/NDF: 1235592.2/27

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

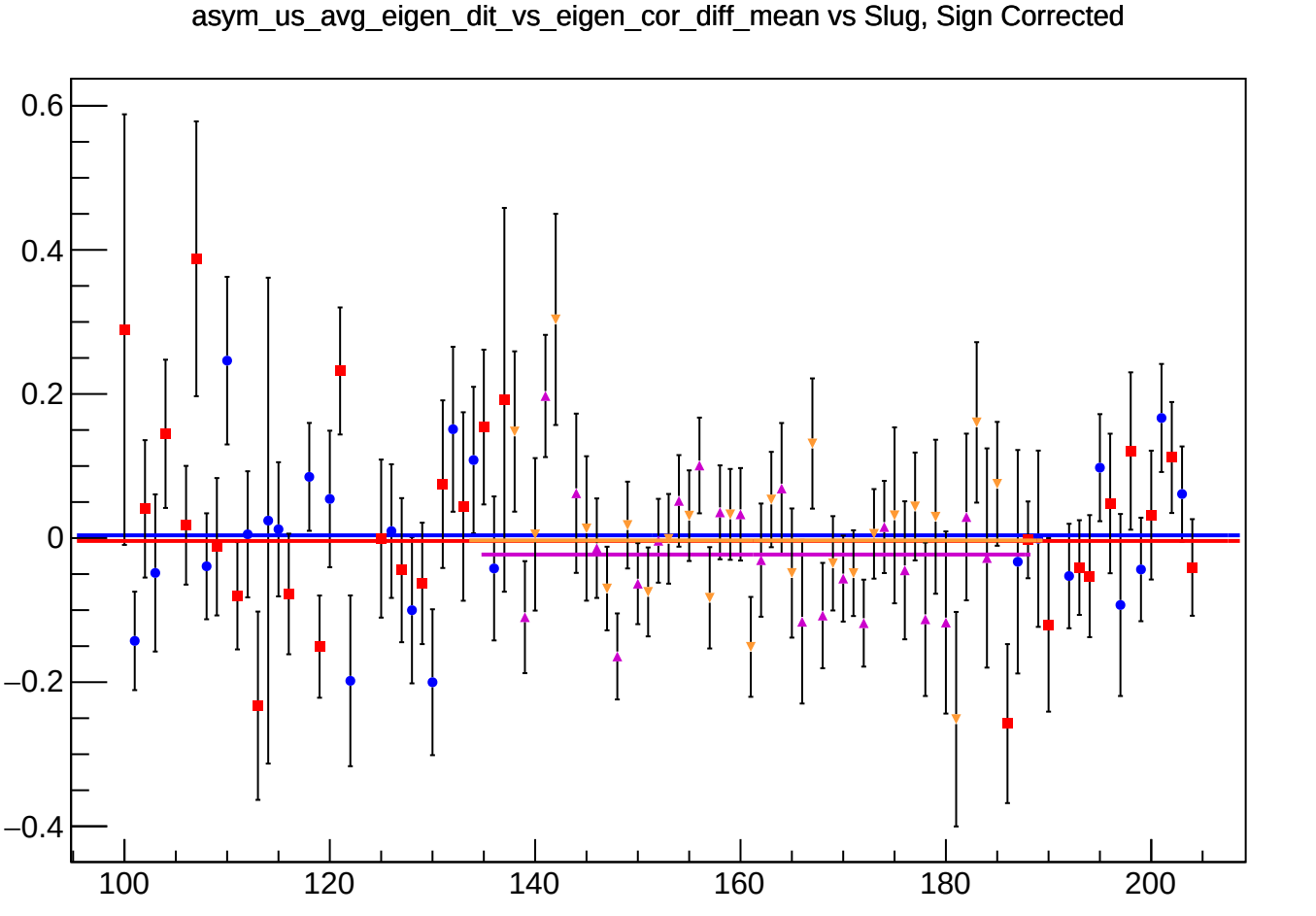
Left: 62.825+/-0.008 χ^2/NDF: 3370070.3/46

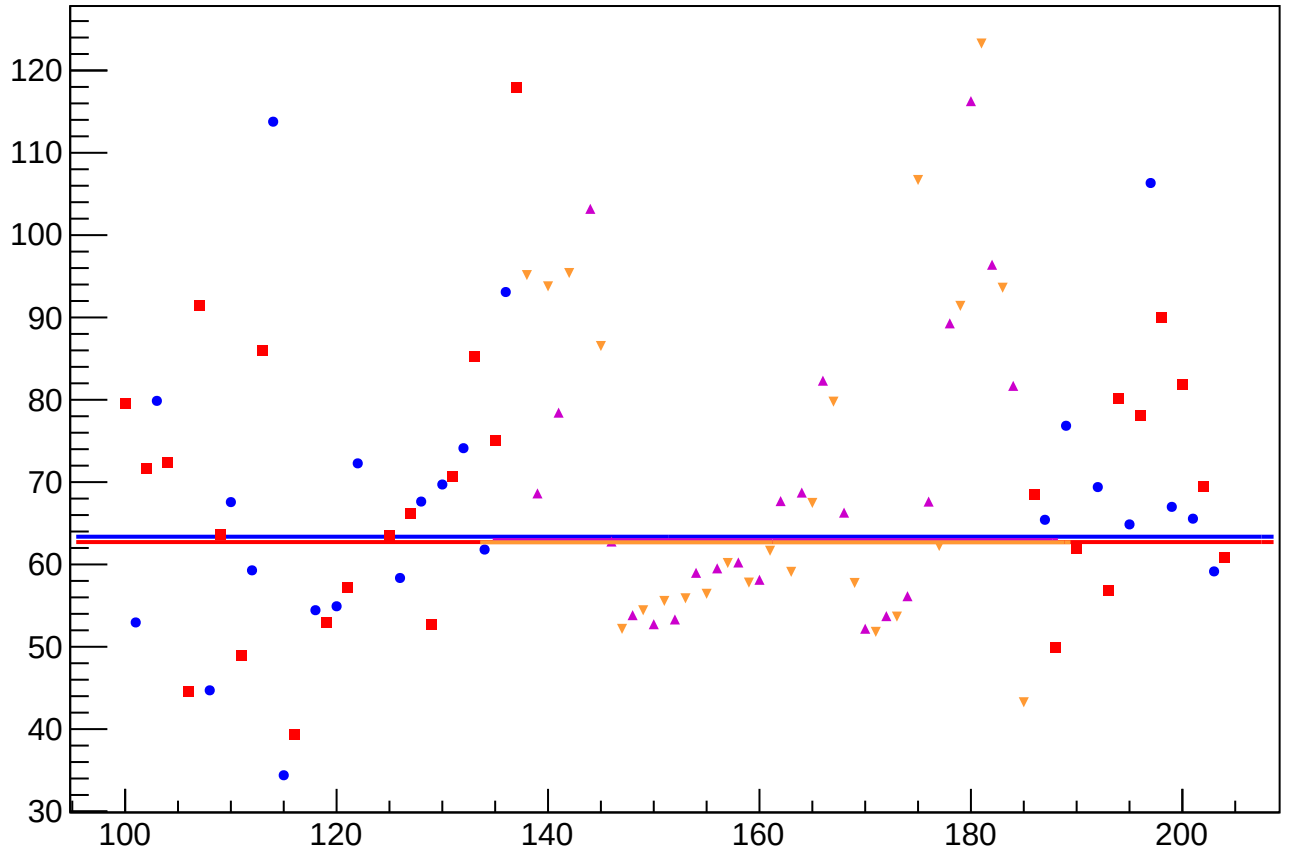
Right: 63.021+/-0.009 χ^2/NDF: 2256612.3/51

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

Out: 62.705+/-0.008 χ^2/NDF:3174977.8/51

All: 62.909+/-0.006 χ^2/NDF: 5626956.3/98


asym_us_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.6
0.4
0.2
0
−0.2
−0.4
100
120
140
160
180
200
Right In: 0.004+/-0.019 χ²/NDF: 30.7/23
Left Out: -0.003+/-0.015 χ²/NDF:25.9/23
Right Out: -0.004+/-0.017 χ²/NDF: 39.0/27
Left In: -0.023+/-0.015 χ²/NDF:29.0/22
Left: -0.013+/-0.011 χ²/NDF: 55.7/46
Right: -0.000+/-0.013 χ²/NDF: 69.8/51
In: -0.012+/-0.012 χ²/NDF:60.8/46
Out: -0.004+/-0.012 χ²/NDF:64.9/51
All: -0.008+/-0.008 χ²/NDF: 126.0/98



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

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

Right Out: 62.718+/-0.012 χ^2/NDF: 1235592.2/27

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

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

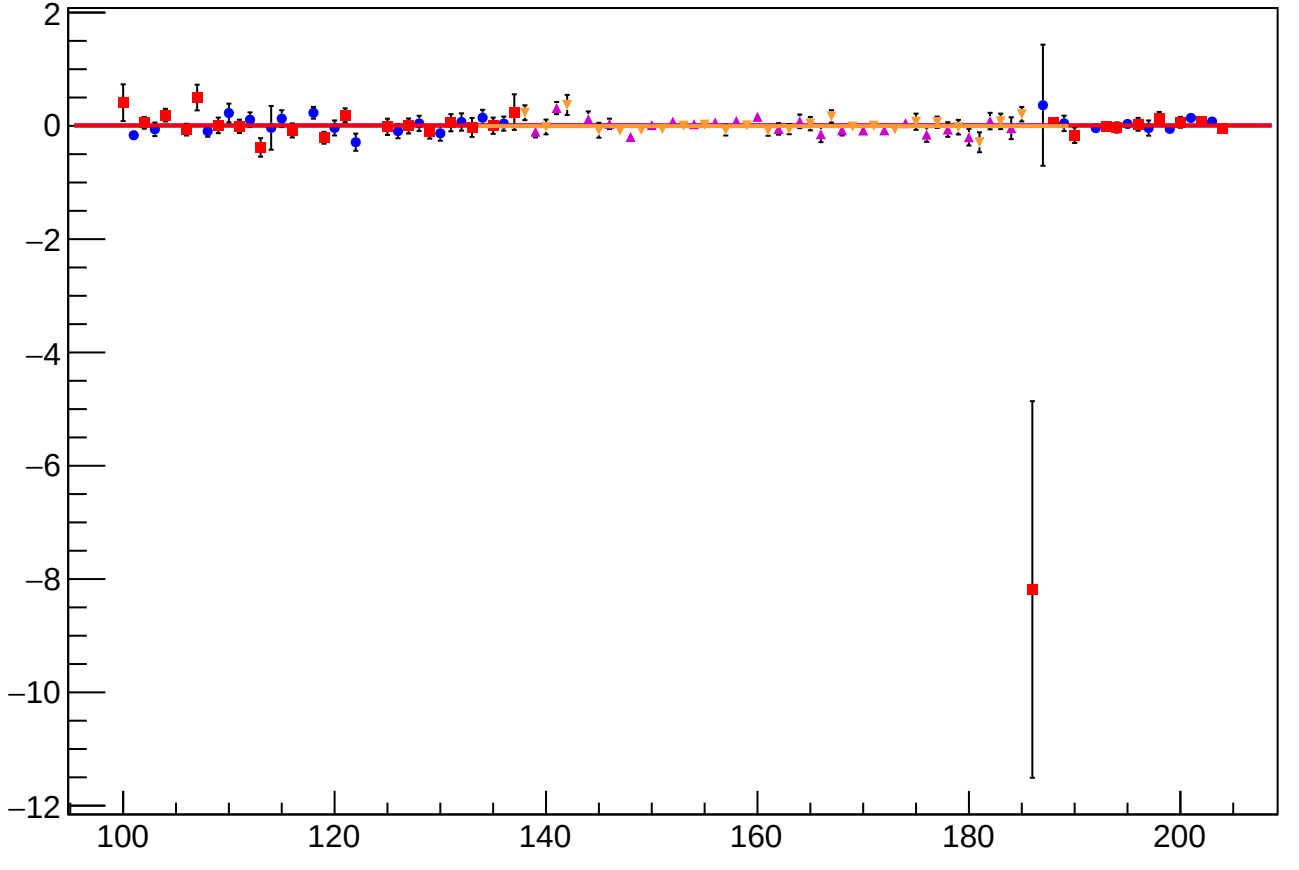
Right: 63.021+/-0.009 χ^2/NDF: 2256612.3/51

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

Out: 62.705+/-0.008 χ^2/NDF:3174977.8/51

All: 62.909+/-0.006 χ^2/NDF: 5626956.3/98

asym_us_avg_eigen_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected



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

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

Right Out: 0.007+/-0.022 χ^2/NDF: 35.0/27

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

Left: -0.001+/-0.015 χ^2/NDF: 51.9/46

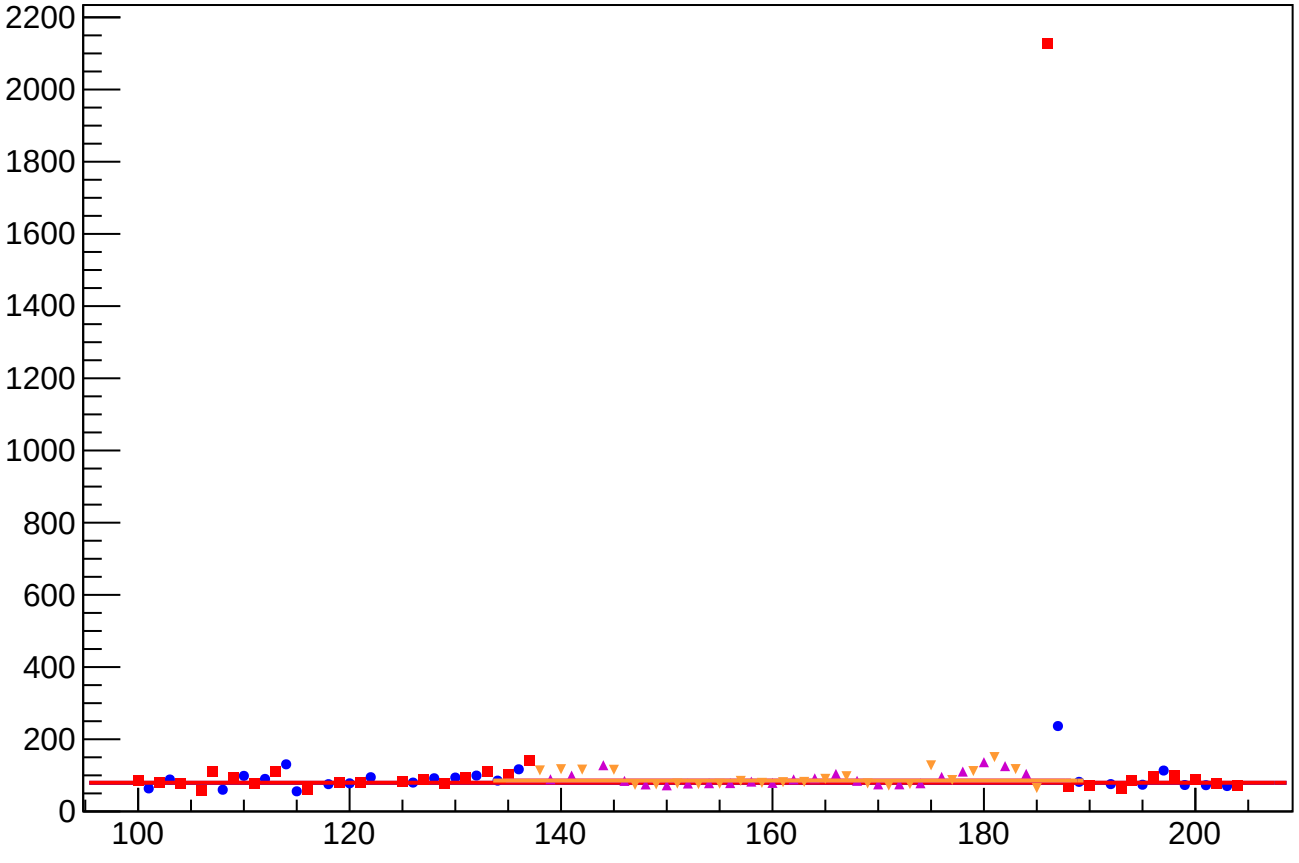
Right: 0.007+/-0.016 χ^2/NDF: 60.1/51

In: 0.004+/-0.015 χ^2/NDF:55.7/46

Out: 0.001+/-0.015 χ^2/NDF:56.4/51

All: 0.002+/-0.011 χ^2/NDF: 112.2/98

asym_us_avg_eigen_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



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

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

Right Out: 79.619+/-0.015 χ^2/NDF: 1560367.4/27

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

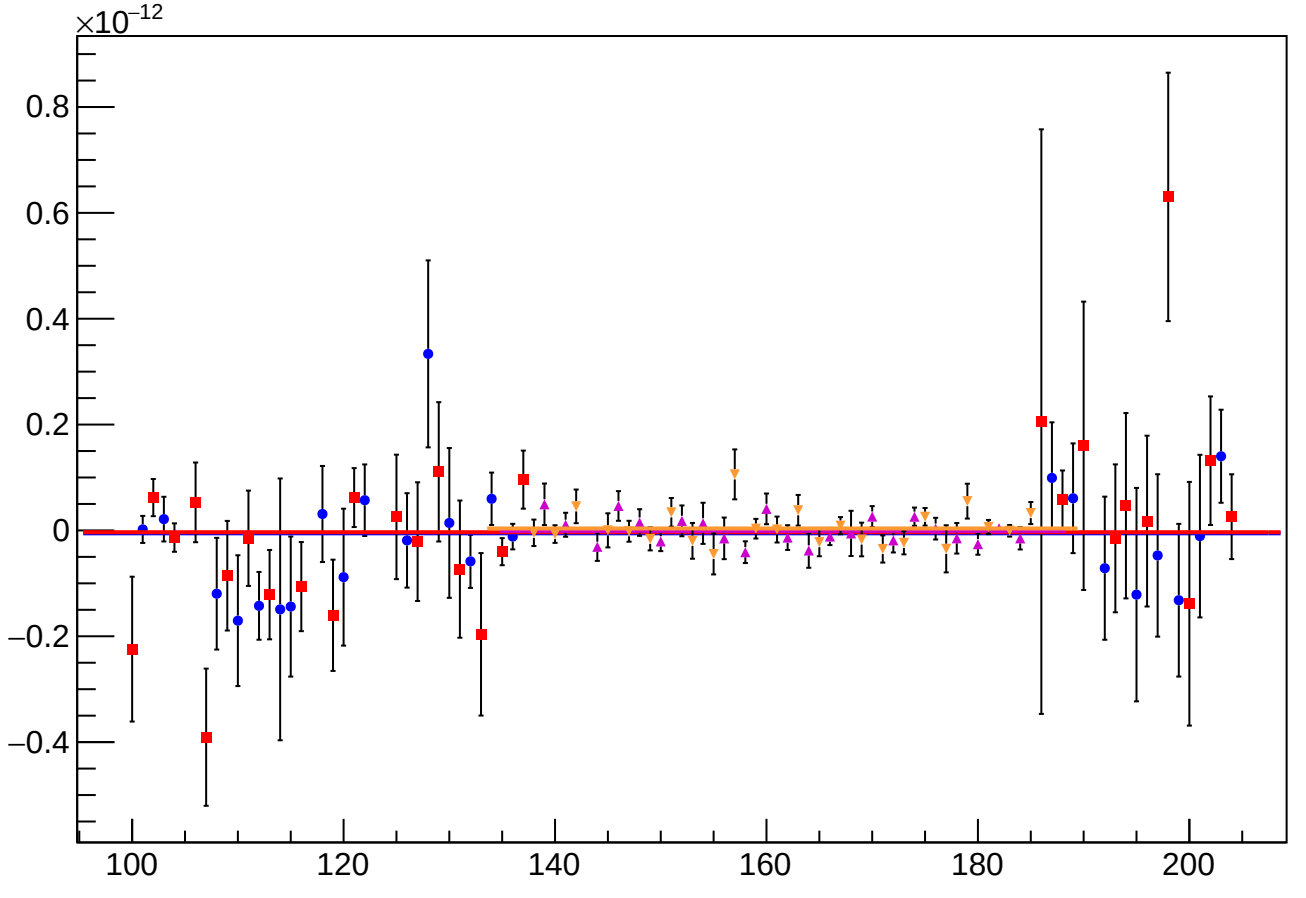
Left: 85.665+/-0.010 χ^2/NDF: 2348601.5/46

Right: 79.417+/-0.011 χ^2/NDF: 2370297.4/51

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

Out: 82.792+/-0.011 χ^2/NDF:2993739.8/51

All: 82.785+/-0.008 χ^2/NDF: 4887205.9/98



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

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

Right Out: -0.000+/-0.000 χ^2/NDF: 42.3/27

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

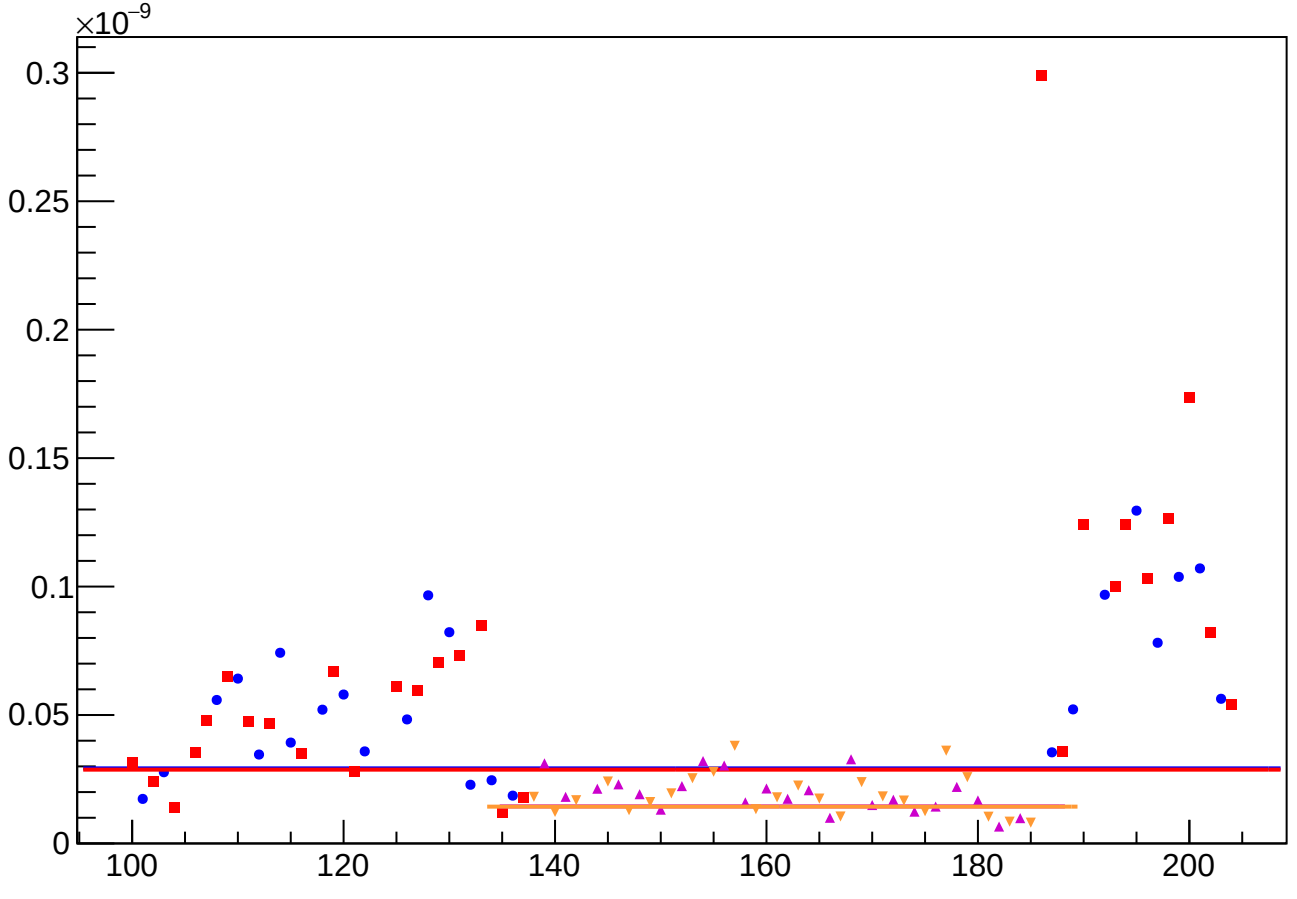
Left: 0.000+/-0.000 χ^2/NDF: 49.2/46

Right: -0.000+/-0.000 χ^2/NDF: 65.4/51

In: -0.000+/-0.000 χ^2/NDF:46.8/46

Out: 0.000+/-0.000 χ^2/NDF:67.6/51

All: 0.000+/-0.000 χ^2/NDF: 115.0/98



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

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

Right Out: 0.000+/-0.000 χ^2/NDF: 7351700.5/27

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

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

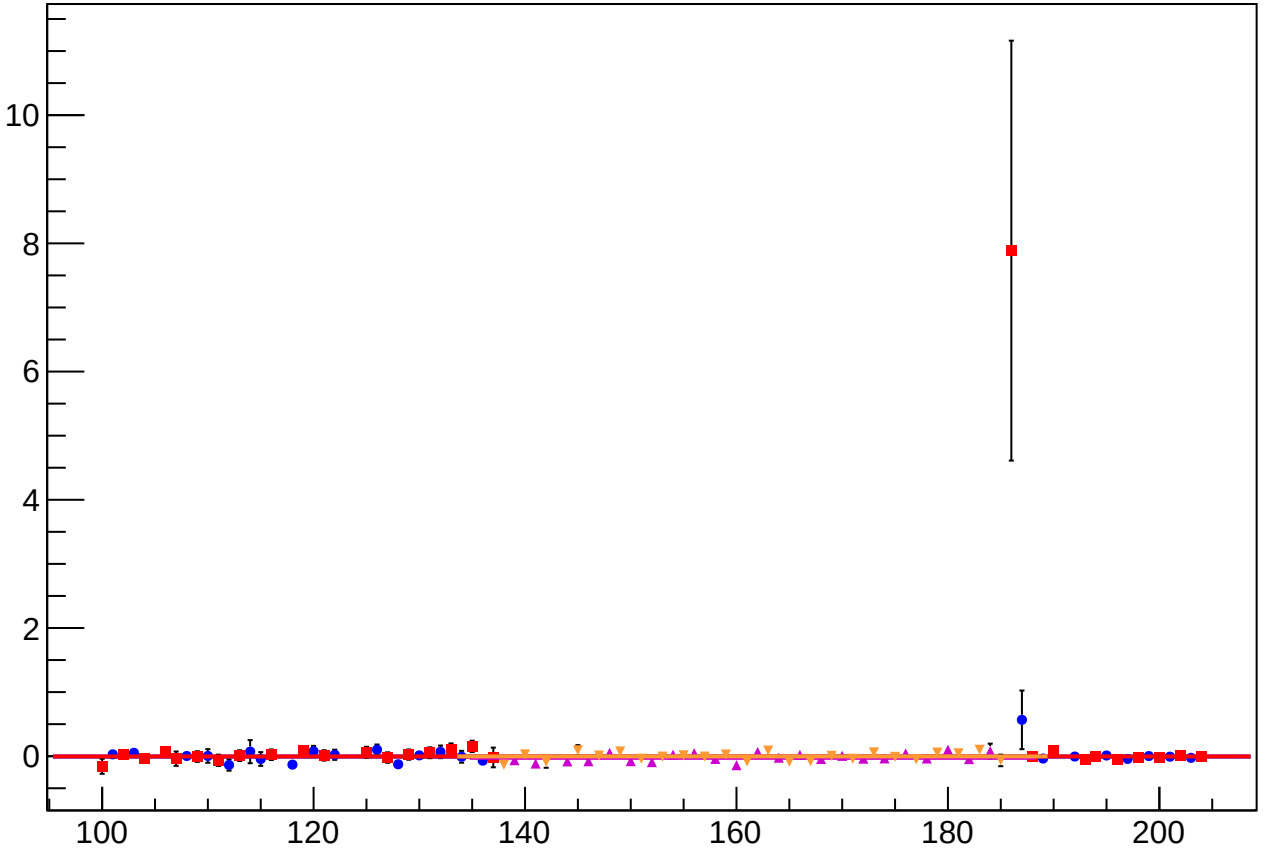
Right: 0.000+/-0.000 χ^2/NDF: 12053053.1/51

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

Out: 0.000+/-0.000 χ^2/NDF:13294461.6/51

All: 0.000+/-0.000 χ^2/NDF: 24684890.3/98

asym_us_avg_overload_cor_vs_cor_diff_mean vs Slug, Sign Corrected



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

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

Right Out: -0.004+/-0.009 χ^2/NDF: 29.6/27

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

Left: -0.014+/-0.009 χ^2/NDF: 49.0/46

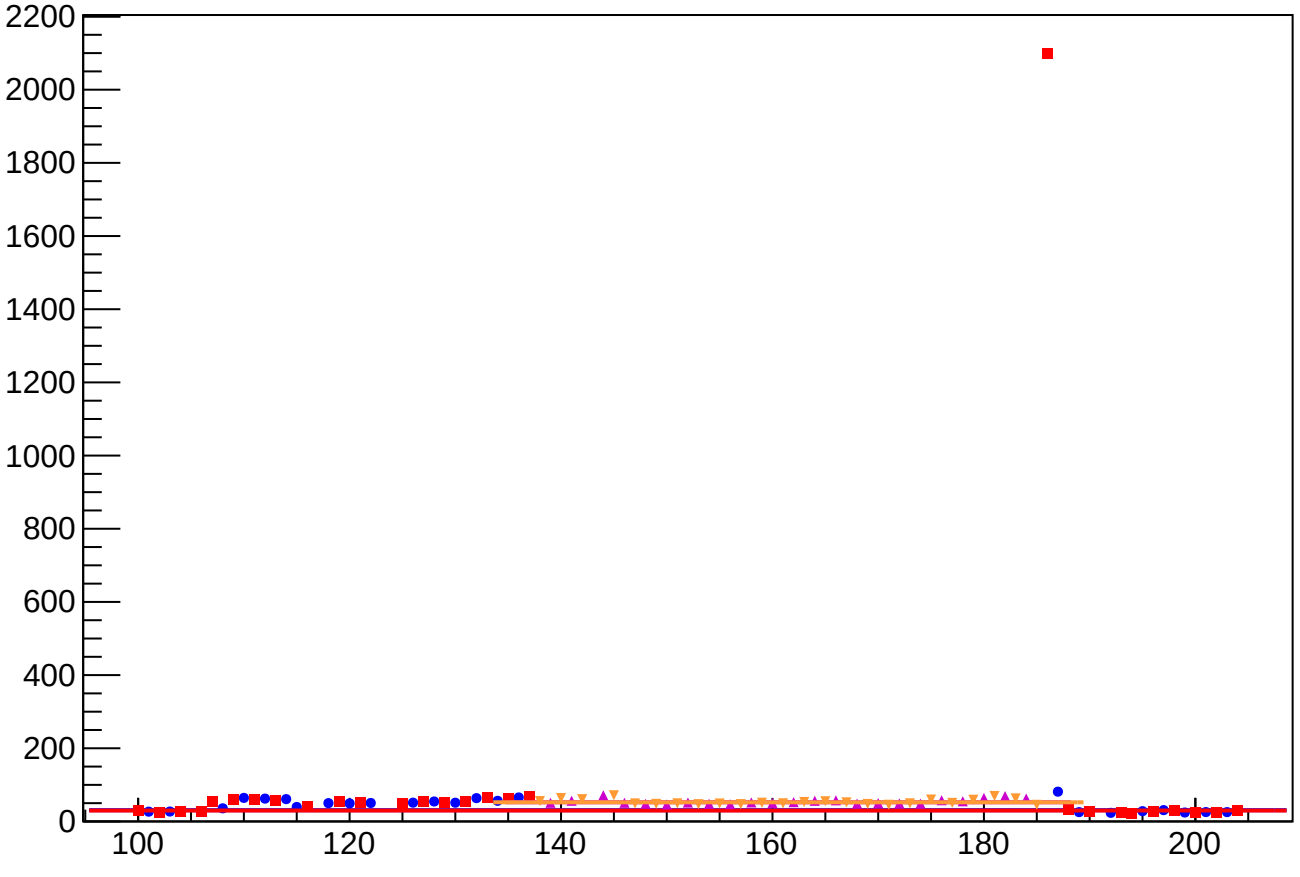
Right: -0.005+/-0.006 χ^2/NDF: 49.8/51

In: -0.013+/-0.007 χ^2/NDF:46.1/46

Out: -0.004+/-0.007 χ^2/NDF:52.7/51

All: -0.008+/-0.005 χ^2/NDF: 99.5/98

asym_us_avg_overload_cor_vs_cor_diff_rms vs Slug, Sign Corrected



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

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

Right Out: 29.912+/-0.006 χ^2/NDF: 3796361.3/27

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

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

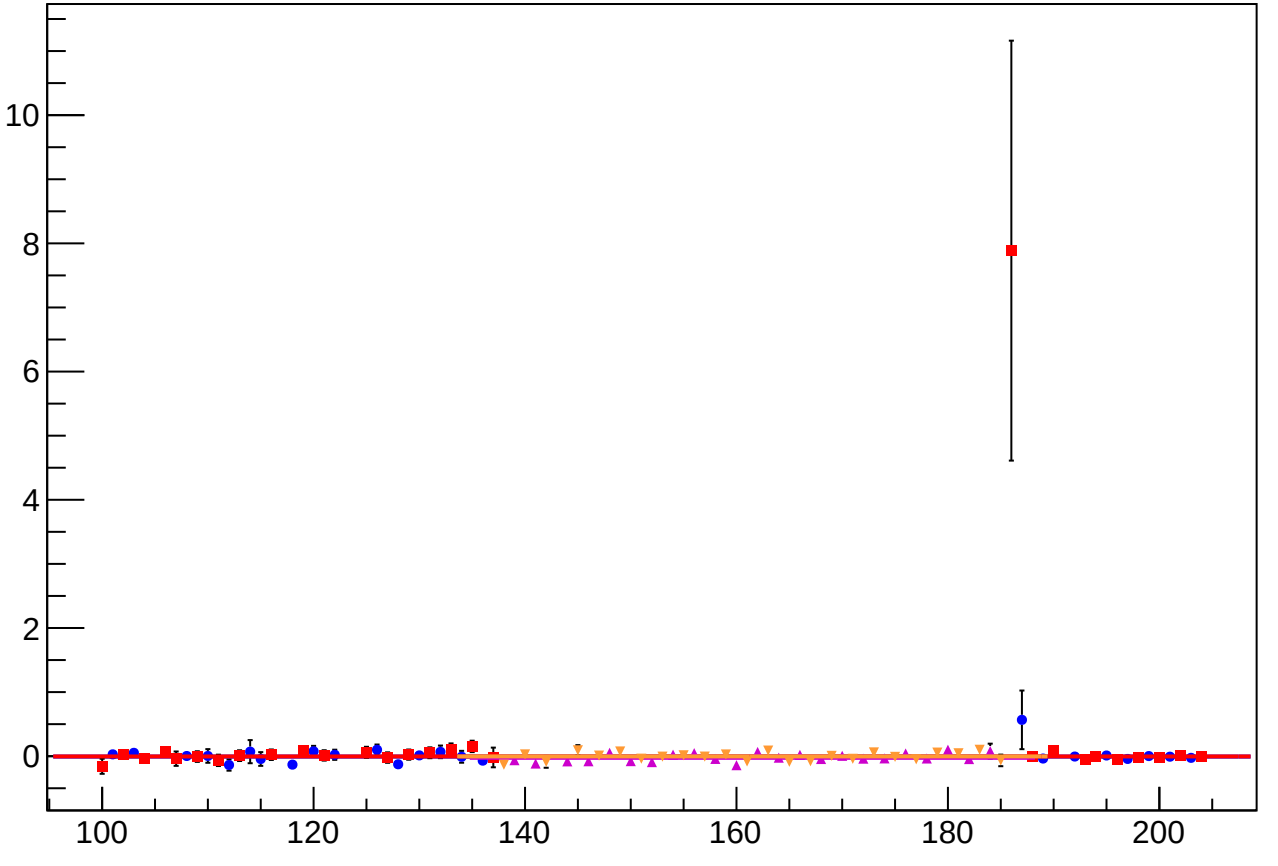
Right: 30.311+/-0.004 χ^2/NDF: 6601116.0/51

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

Out: 37.140+/-0.005 χ^2/NDF:8750238.6/51

All: 37.792+/-0.004 χ^2/NDF: 15897067.2/98

asym_us_avg_overload_cor_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

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

Right Out: -0.004+/-0.009 χ^2/NDF: 29.6/27

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

Left: -0.014+/-0.009 χ^2/NDF: 49.0/46

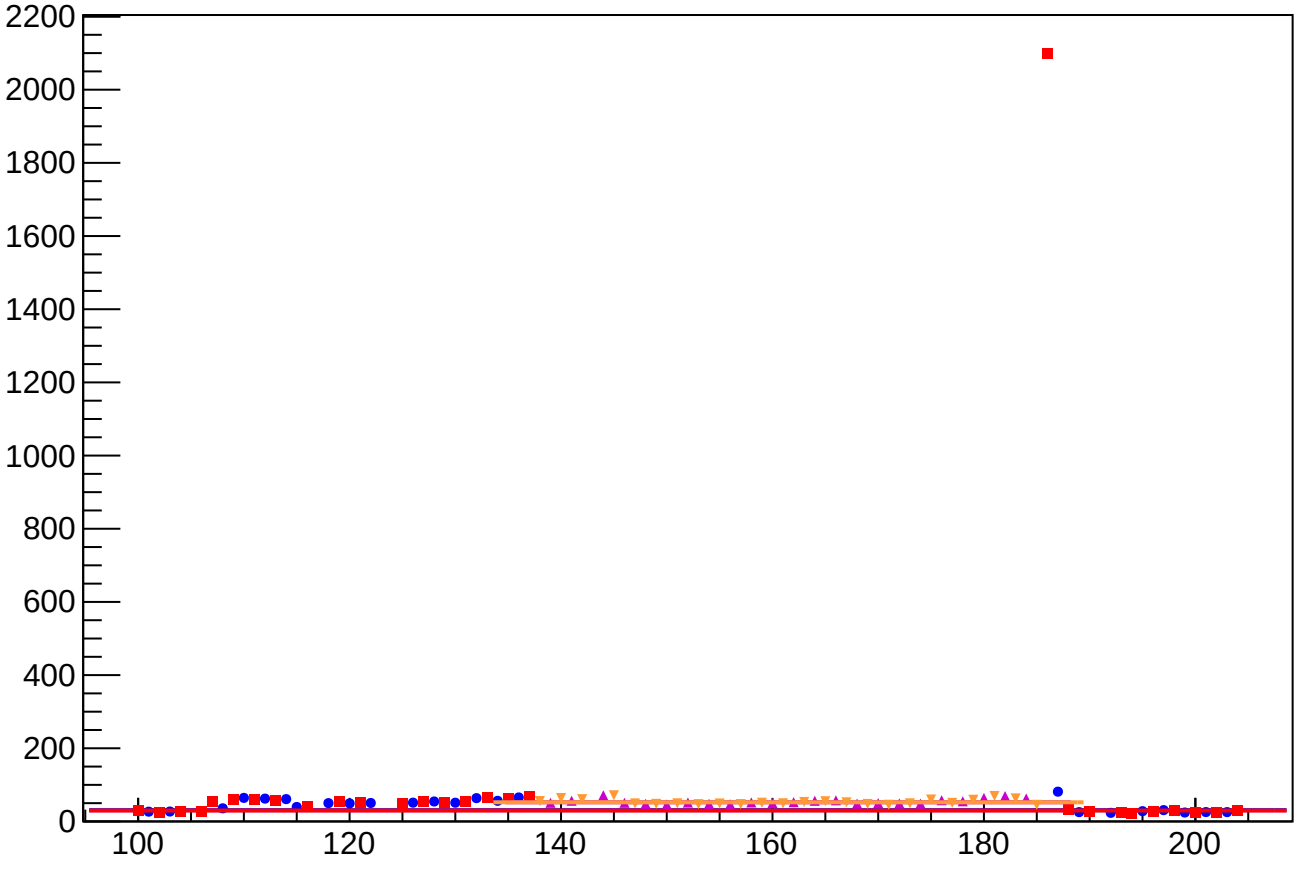
Right: -0.005+/-0.006 χ^2/NDF: 49.8/51

In: -0.013+/-0.007 χ^2/NDF:46.1/46

Out: -0.004+/-0.007 χ^2/NDF:52.7/51

All: -0.008+/-0.005 χ^2/NDF: 99.5/98

asym_us_avg_overload_cor_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

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

Right Out: 29.912+/-0.006 χ^2/NDF: 3796361.3/27

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

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

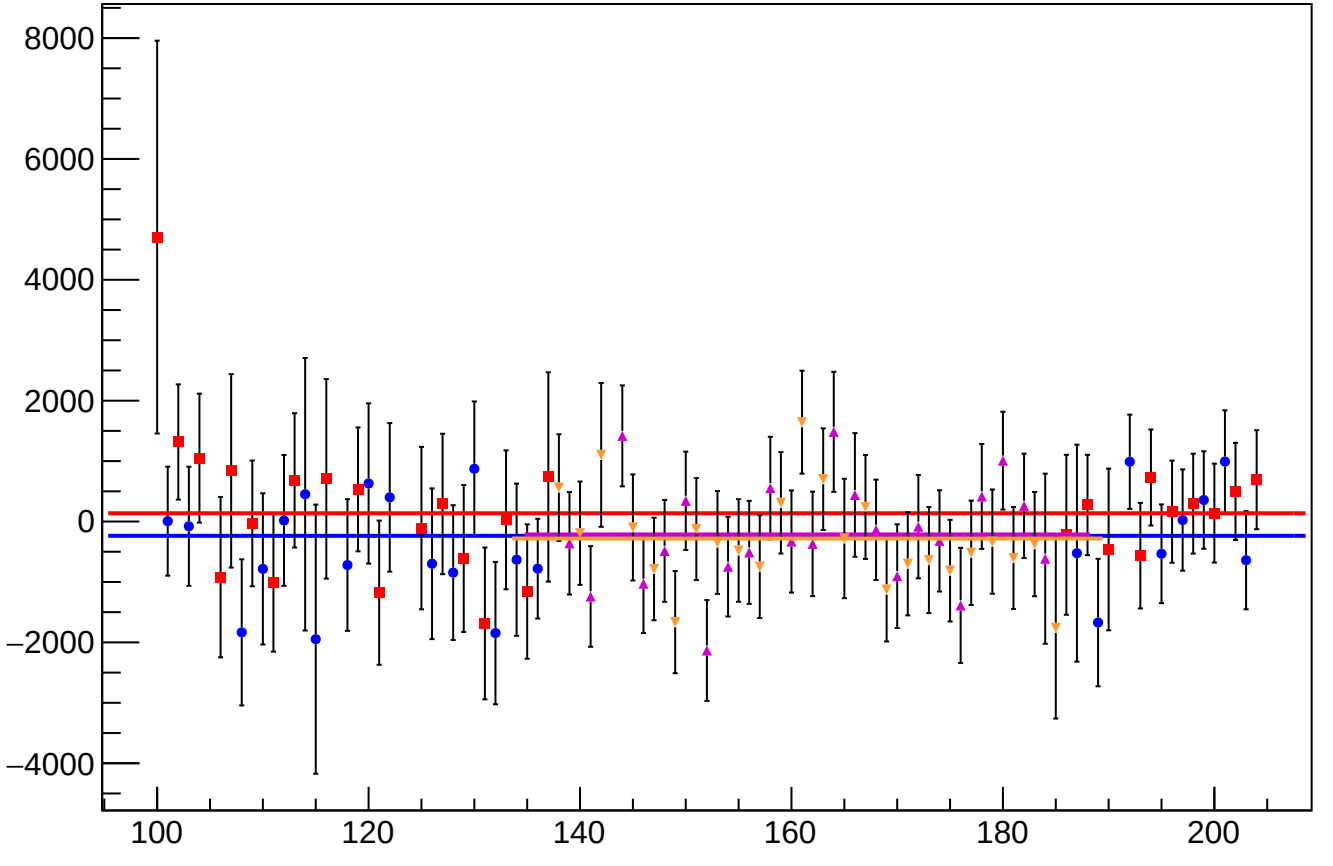
Right: 30.311+/-0.004 χ^2/NDF: 6601116.0/51

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

Out: 37.140+/-0.005 χ^2/NDF:8750238.6/51

All: 37.792+/-0.004 χ^2/NDF: 15897067.2/98

reg_asym_us_dd_mean vs Slug, Sign Corrected



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

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

Right Out: 137.052+/-200.313 χ^2/NDF: 14.0/27

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

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

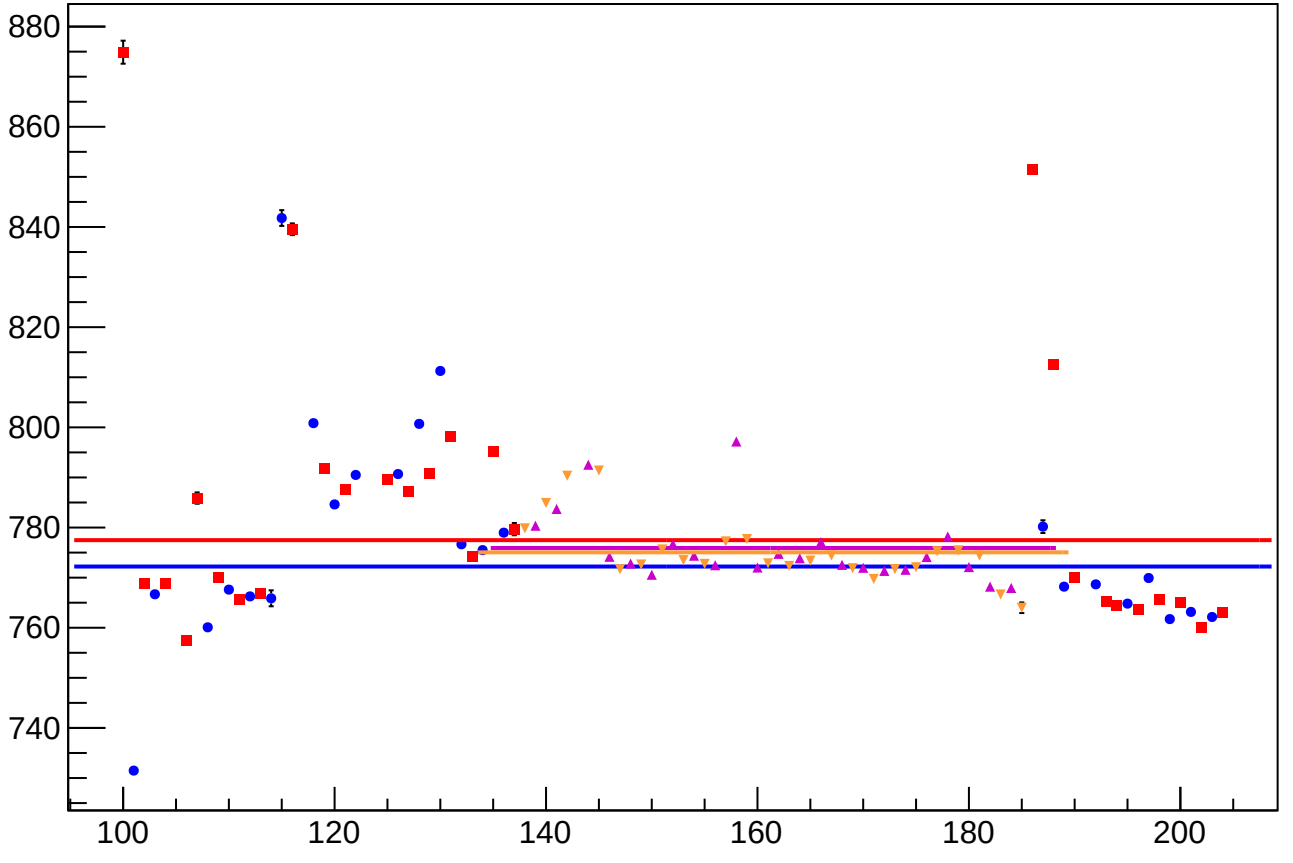
Right: -38.941+/-145.682 χ^2/NDF: 30.6/51

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

Out: -94.024+/-133.837 χ^2/NDF:32.5/51

All: -156.714+/-96.007 χ^2/NDF: 70.3/98

reg_asym_us_dd_rms vs Slug, Sign Corrected



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

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

Right Out: 777.485+/-0.142 χ^2/NDF: 21897.5/27

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

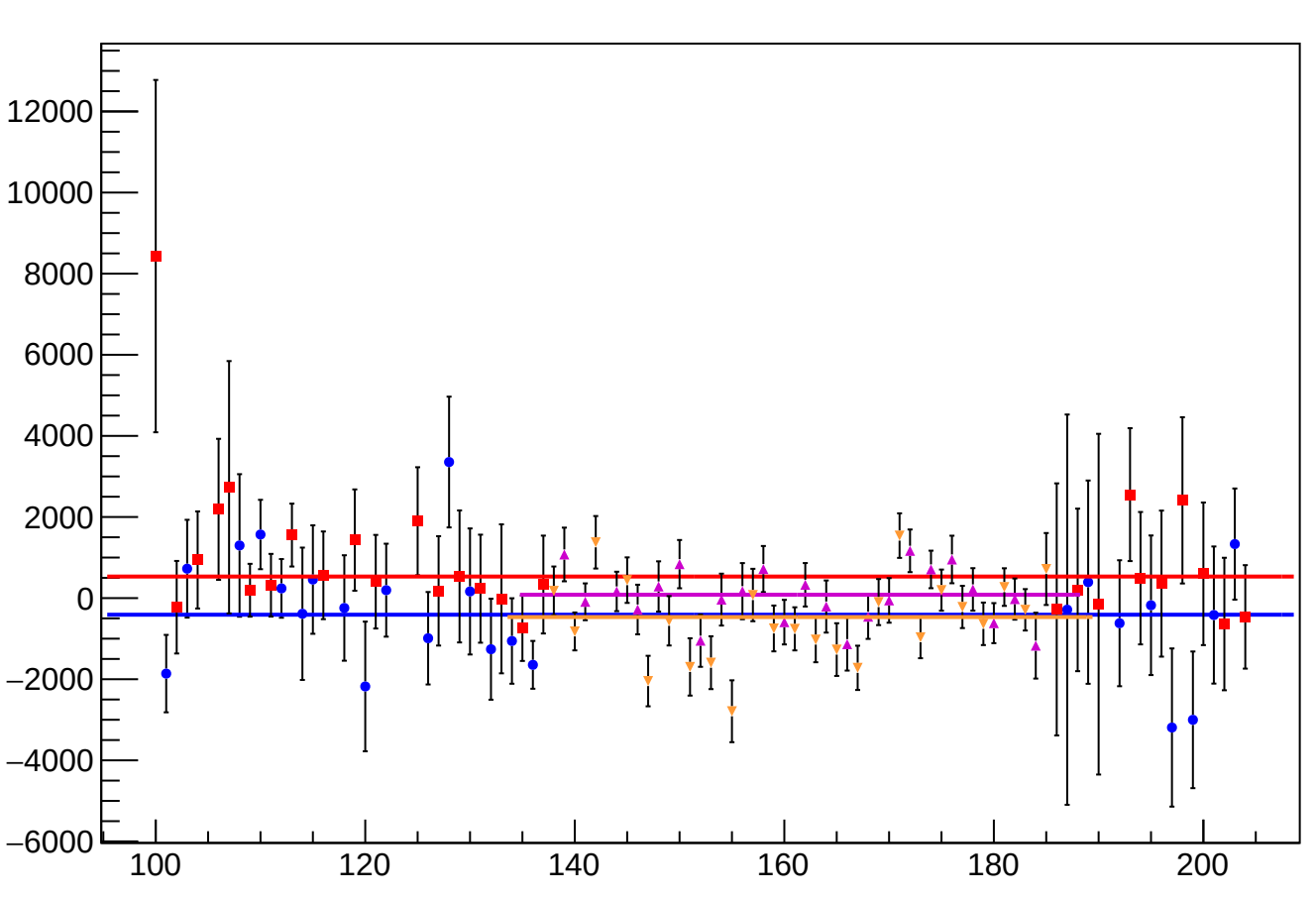
Left: 775.483+/-0.090 χ^2/NDF: 4947.6/46

Right: 775.004+/-0.103 χ^2/NDF: 36480.7/51

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

Out: 776.137+/-0.095 χ^2/NDF:24012.5/51

All: 775.275+/-0.068 χ^2/NDF: 41440.5/98



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

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

Right Out: 531.809+/-239.155 χ^2/NDF: 15.3/27

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

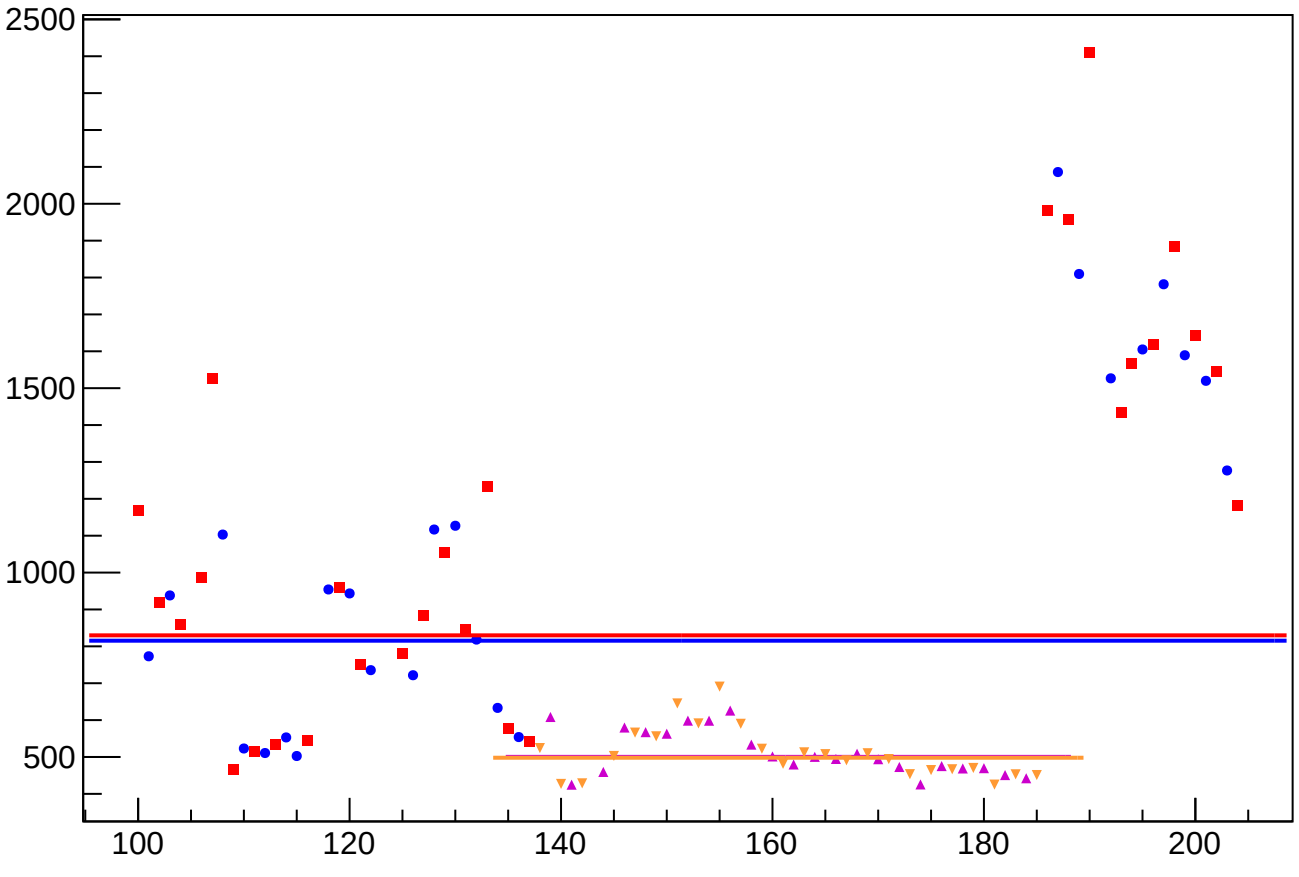
Left: -194.569+/-82.913 χ^2/NDF: 103.6/46

Right: 74.712+/-171.510 χ^2/NDF: 52.3/51

In: -8.658+/-106.260 χ^2/NDF:60.8/46

Out: -274.999+/-104.888 χ^2/NDF:93.8/51

All: -143.558+/-74.648 χ^2/NDF: 157.8/98



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

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

Right Out: 829.807+/-0.169 χ^2/NDF: 5751184.0/27

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

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

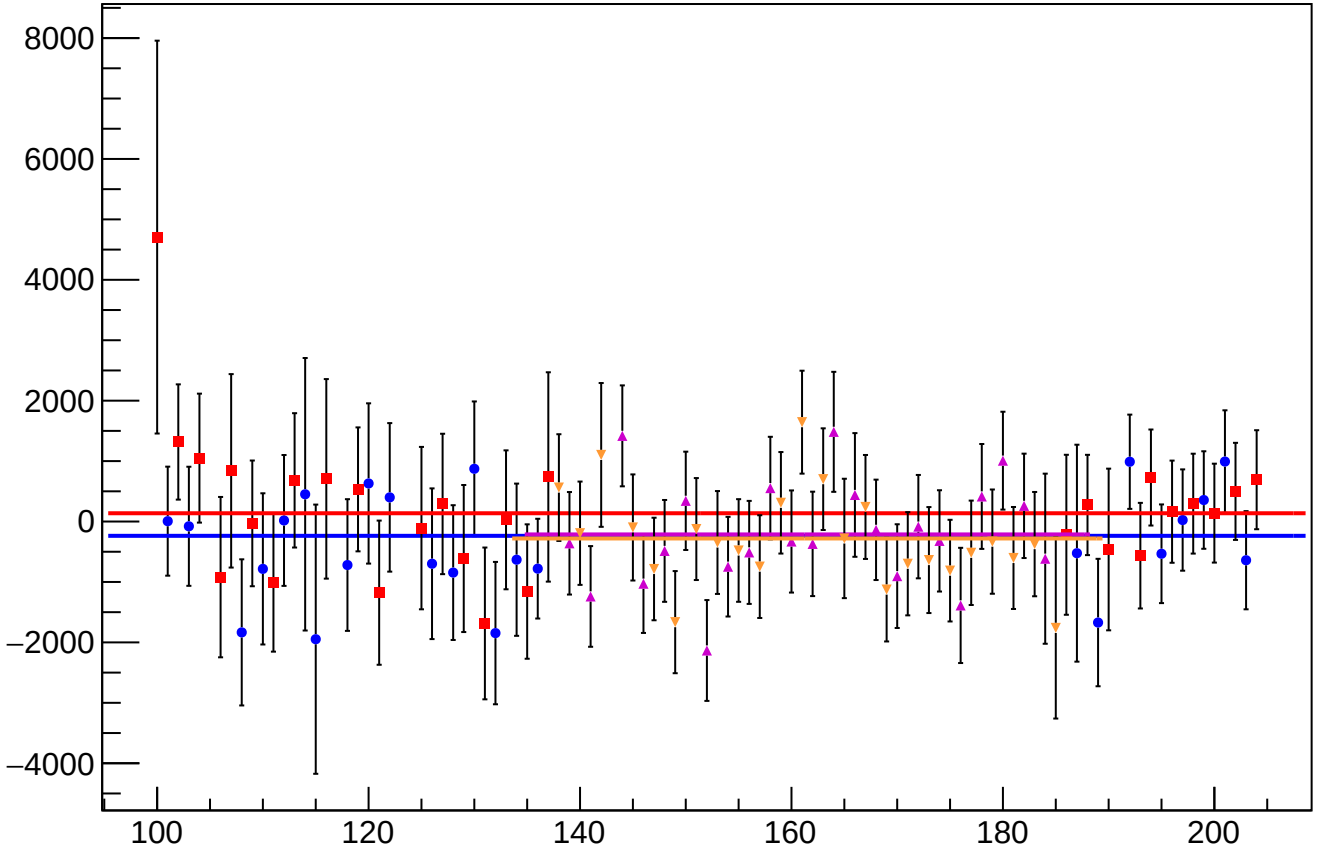
Right: 822.765+/-0.121 χ^2/NDF: 10026972.3/51

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

Out: 561.796+/-0.074 χ^2/NDF:9388124.8/51

All: 560.433+/-0.053 χ^2/NDF: 16804271.0/98

cor_asym_us_dd_mean vs Slug, Sign Corrected



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

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

Right Out: 137.052+/-200.313 χ^2/NDF: 14.0/27

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

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

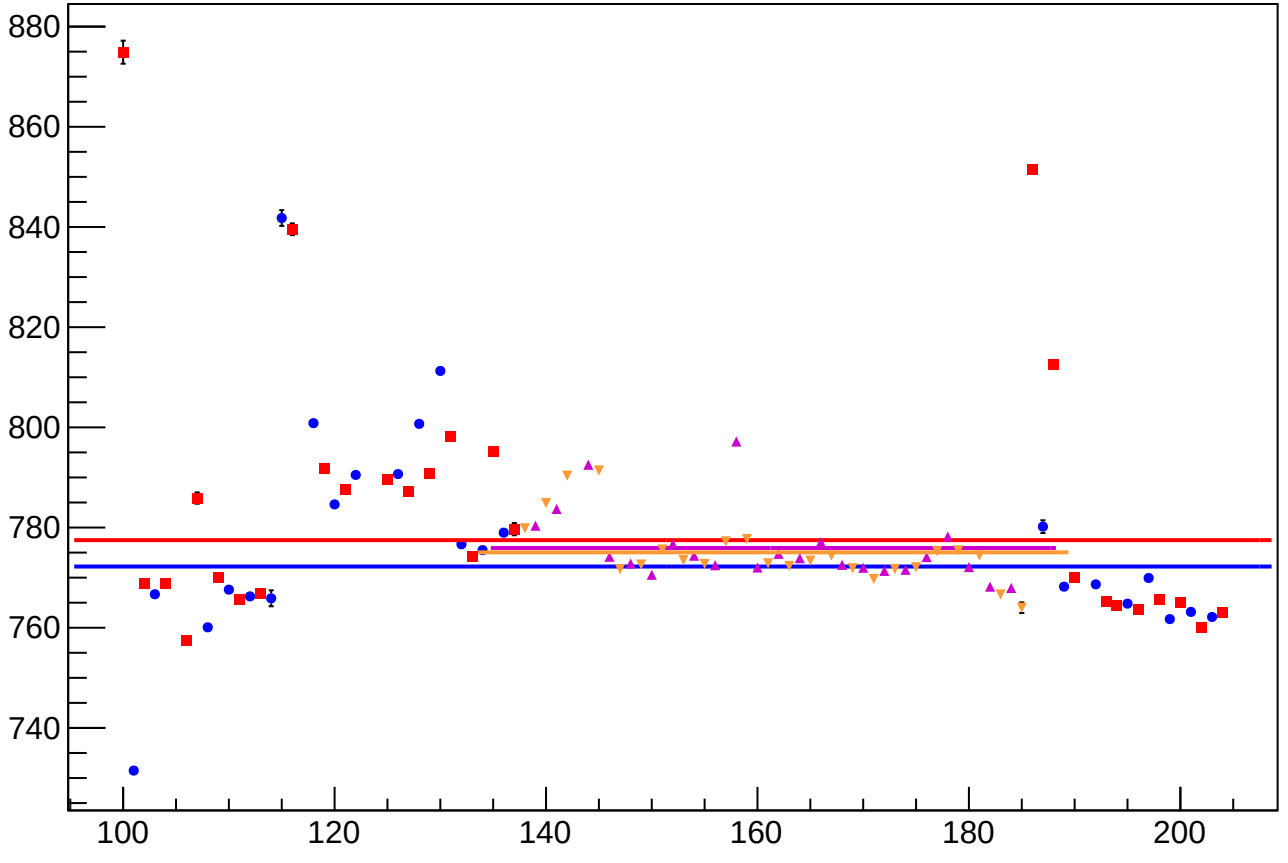
Right: -38.941+/-145.682 χ^2/NDF: 30.6/51

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

Out: -94.024+/-133.837 χ^2/NDF:32.5/51

All: -156.714+/-96.007 χ^2/NDF: 70.3/98

cor_asym_us_dd_rms vs Slug, Sign Corrected



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

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

Right Out: 777.485+/-0.142 χ^2/NDF: 21897.5/27

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

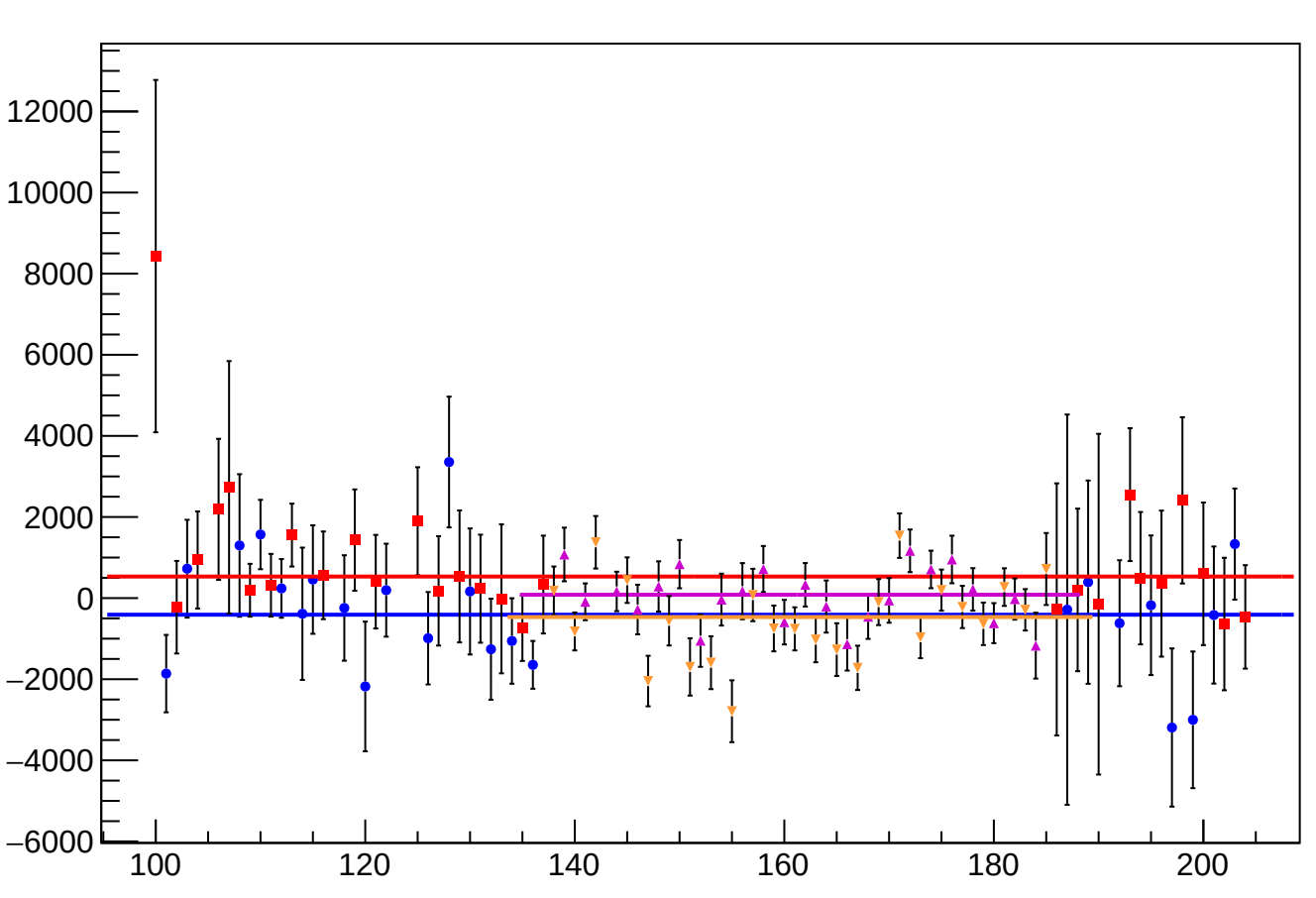
Left: 775.483+/-0.090 χ^2/NDF: 4947.6/46

Right: 775.004+/-0.103 χ^2/NDF: 36480.7/51

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

Out: 776.137+/-0.095 χ^2/NDF:24012.5/51

All: 775.275+/-0.068 χ^2/NDF: 41440.5/98



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

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

Right Out: 531.809+/-239.155 χ^2/NDF: 15.3/27

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

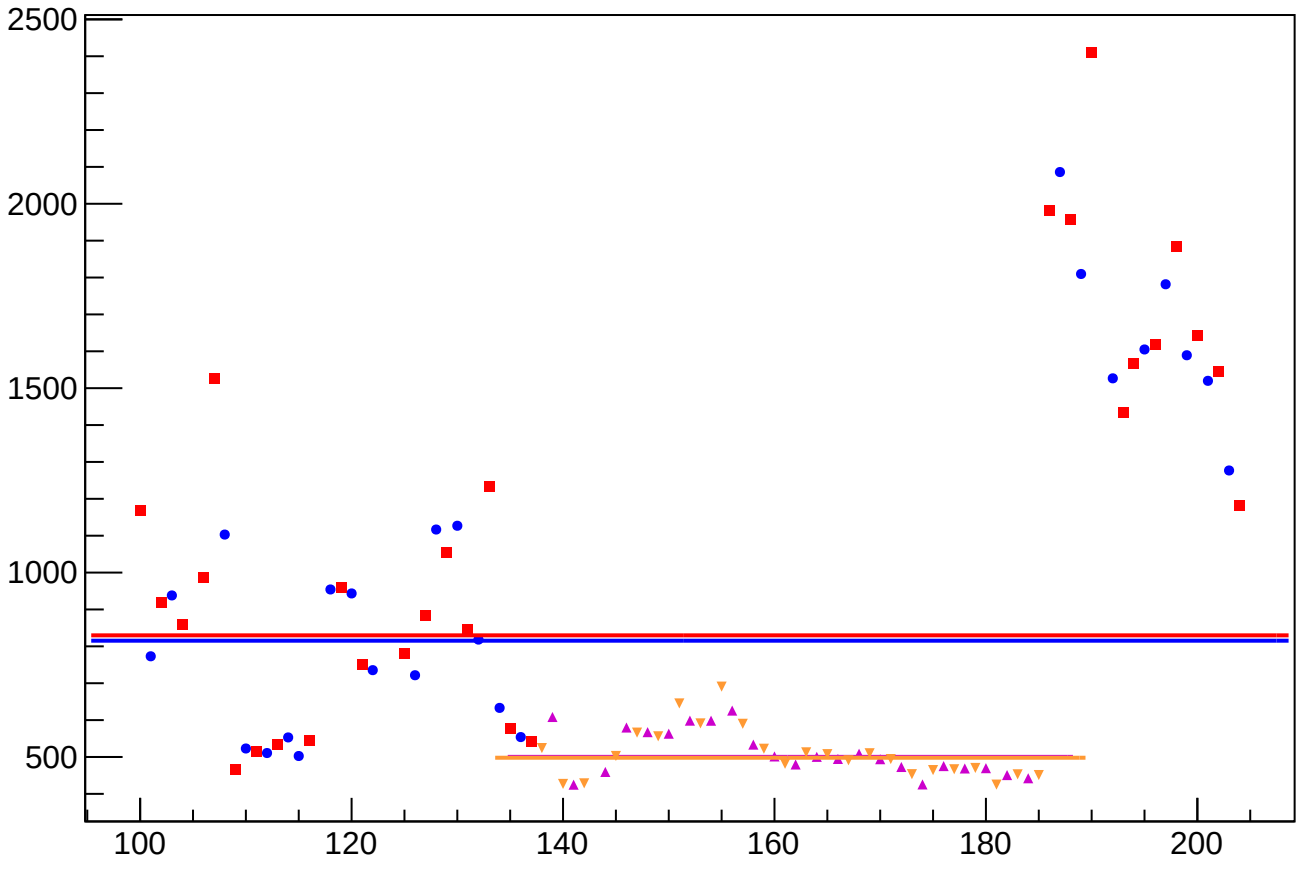
Left: -194.569+/-82.913 χ^2/NDF: 103.6/46

Right: 74.712+/-171.510 χ^2/NDF: 52.3/51

In: -8.658+/-106.260 χ^2/NDF:60.8/46

Out: -274.999+/-104.888 χ^2/NDF:93.8/51

All: -143.558+/-74.648 χ^2/NDF: 157.8/98



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

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

Right Out: 829.807+/-0.169 χ^2/NDF: 5751184.0/27

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

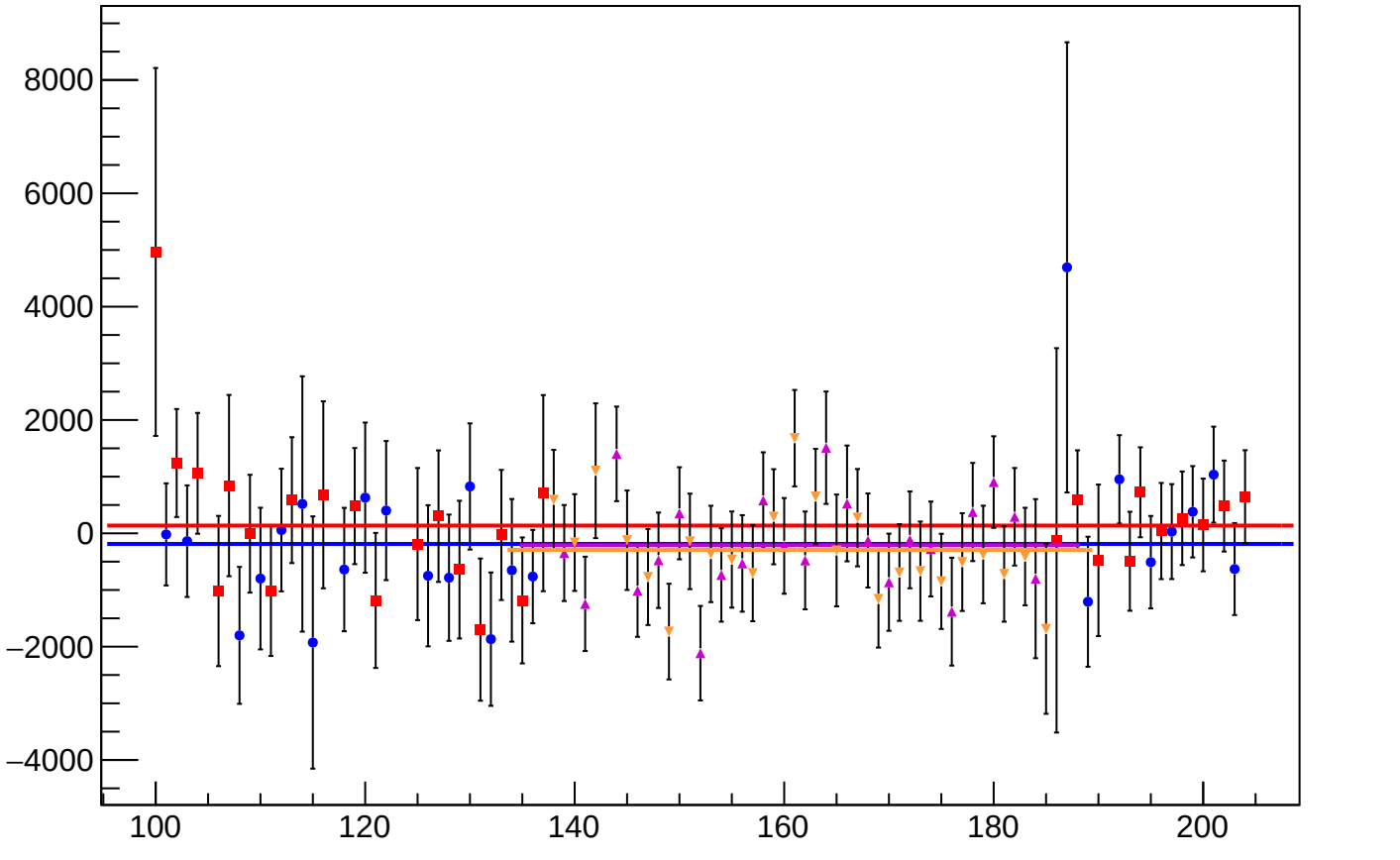
Left: 499.125+/-0.059 χ^2/NDF: 1004780.2/46

Right: 822.765+/-0.121 χ^2/NDF: 10026972.3/51

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

Out: 561.796+/-0.074 χ^2/NDF:9388124.8/51

All: 560.433+/-0.053 χ^2/NDF: 16804271.0/98



Right In: -187.591+/-213.950 χ^2/NDF: 15.1/23

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

Right Out: 136.658+/-202.777 χ^2/NDF: 14.2/27

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

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

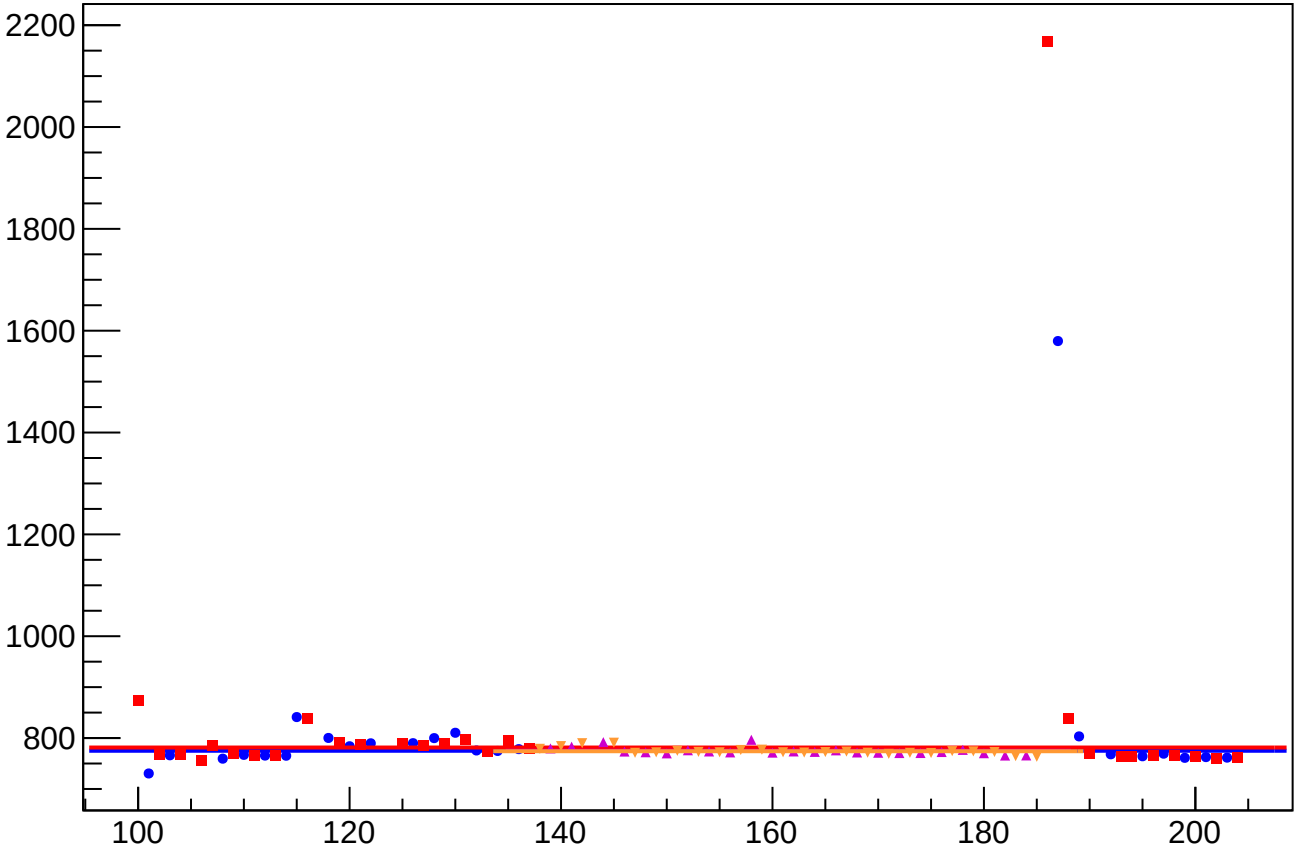
Right: -16.779+/-147.177 χ^2/NDF: 30.6/51

In: -201.377+/-138.162 χ^2/NDF:37.3/46

Out: -103.496+/-134.477 χ^2/NDF:33.4/51

All: -151.114+/-96.366 χ^2/NDF: 70.9/98

overload_cor_asym_us_dd_rms vs Slug, Sign Corrected



Right In: 775.041+/-0.151 χ^2/NDF: 97658.4/23

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

Right Out: 781.402+/-0.143 χ^2/NDF: 356927.4/27

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

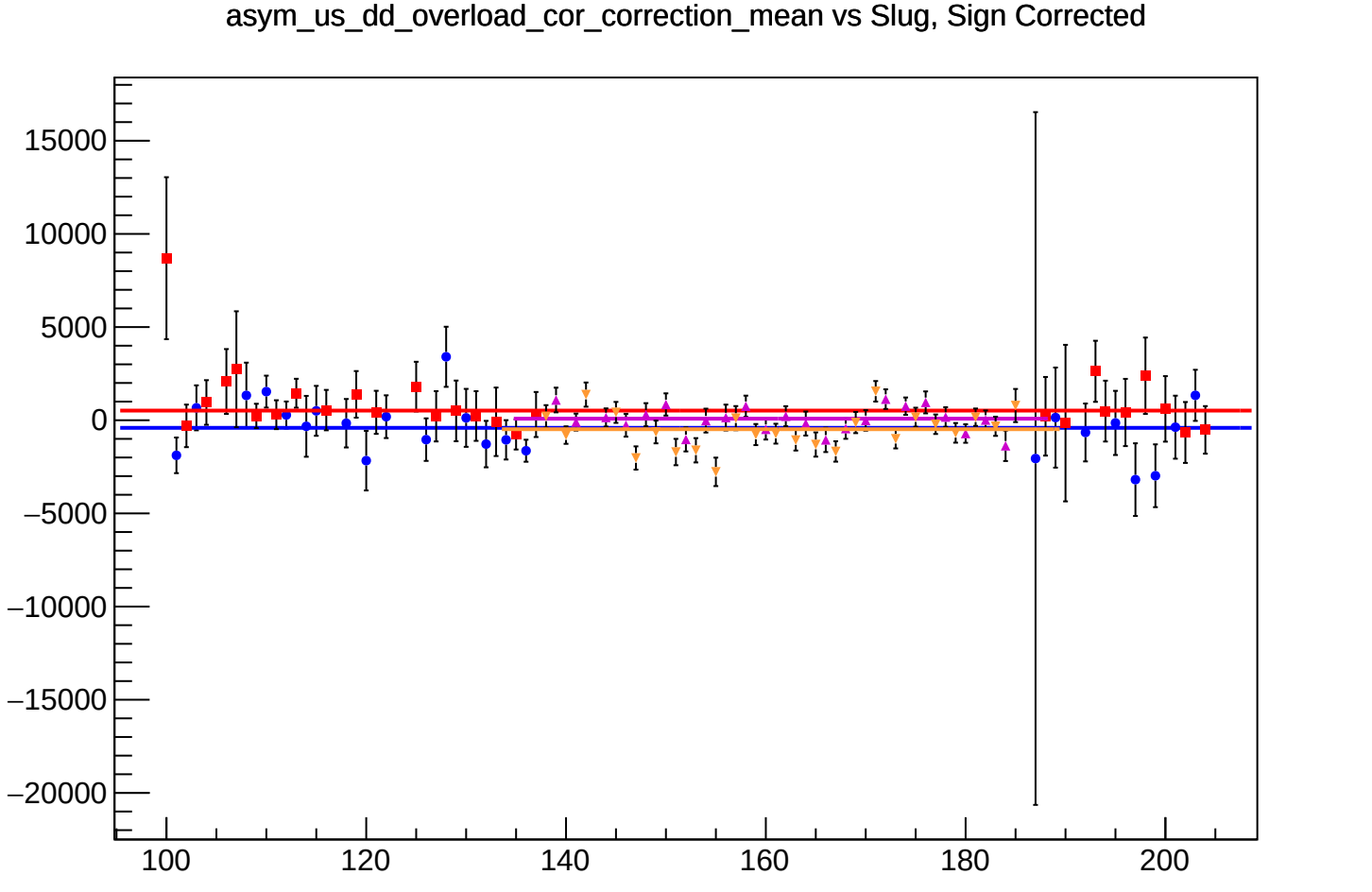
Left: 774.563+/-0.090 χ^2/NDF: 5230.7/46

Right: 778.392+/-0.104 χ^2/NDF: 455516.9/51

In: 775.011+/-0.098 χ^2/NDF:100806.7/46

Out: 777.335+/-0.095 χ^2/NDF:360424.0/51

All: 776.204+/-0.068 χ^2/NDF: 461521.2/98



Right In: -408.281+/-246.865 χ^2/NDF: 29.5/23

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

Right Out: 517.670+/-240.351 χ^2/NDF: 15.1/26

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

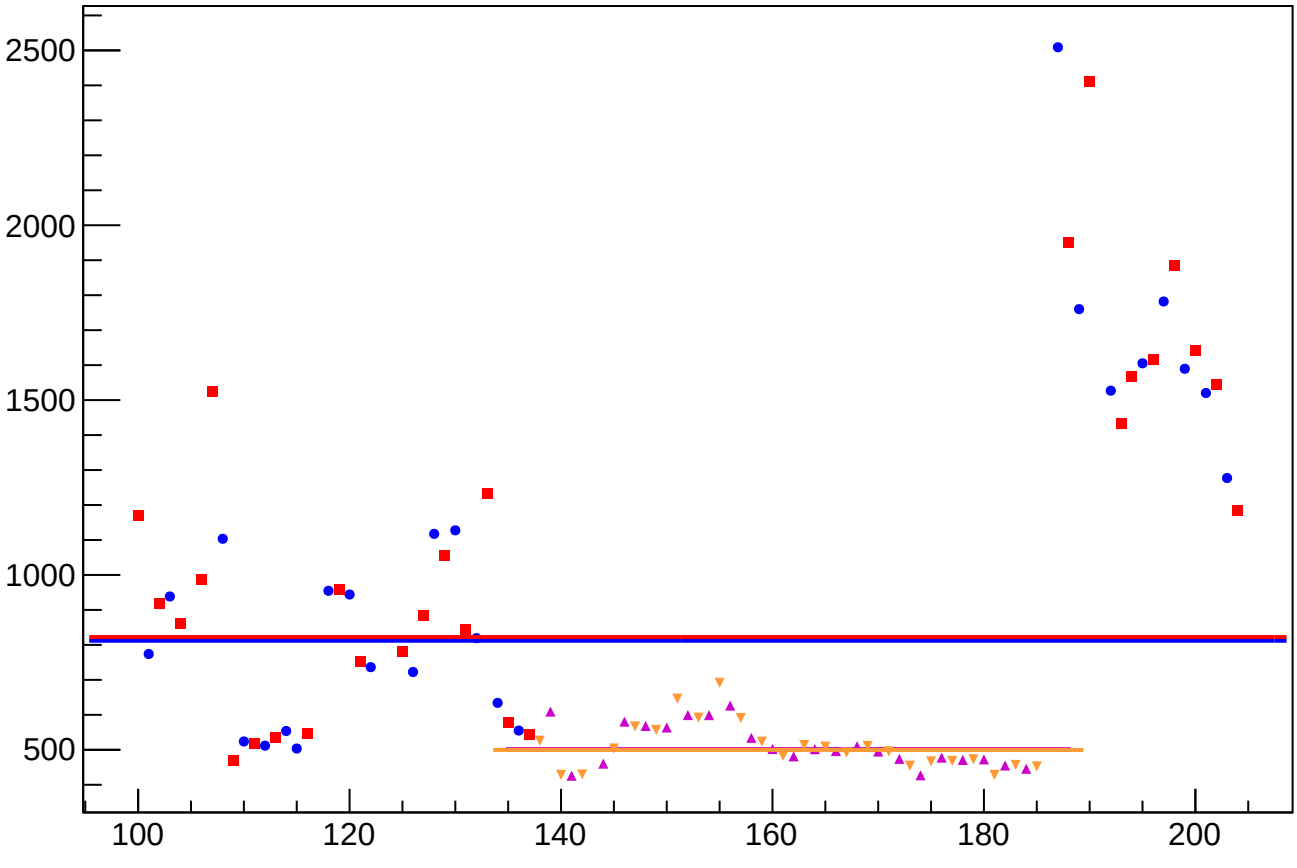
Left: -201.704+/-83.183 χ^2/NDF: 103.3/46

Right: 67.072+/-172.211 χ^2/NDF: 51.8/50

In: -8.456+/-106.605 χ^2/NDF:60.9/46

Out: -289.699+/-105.265 χ^2/NDF:92.6/50

All: -150.857+/-74.903 χ^2/NDF: 157.0/97



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

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

Right Out: 822.474+/-0.170 χ^2/NDF: 5384088.2/26

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

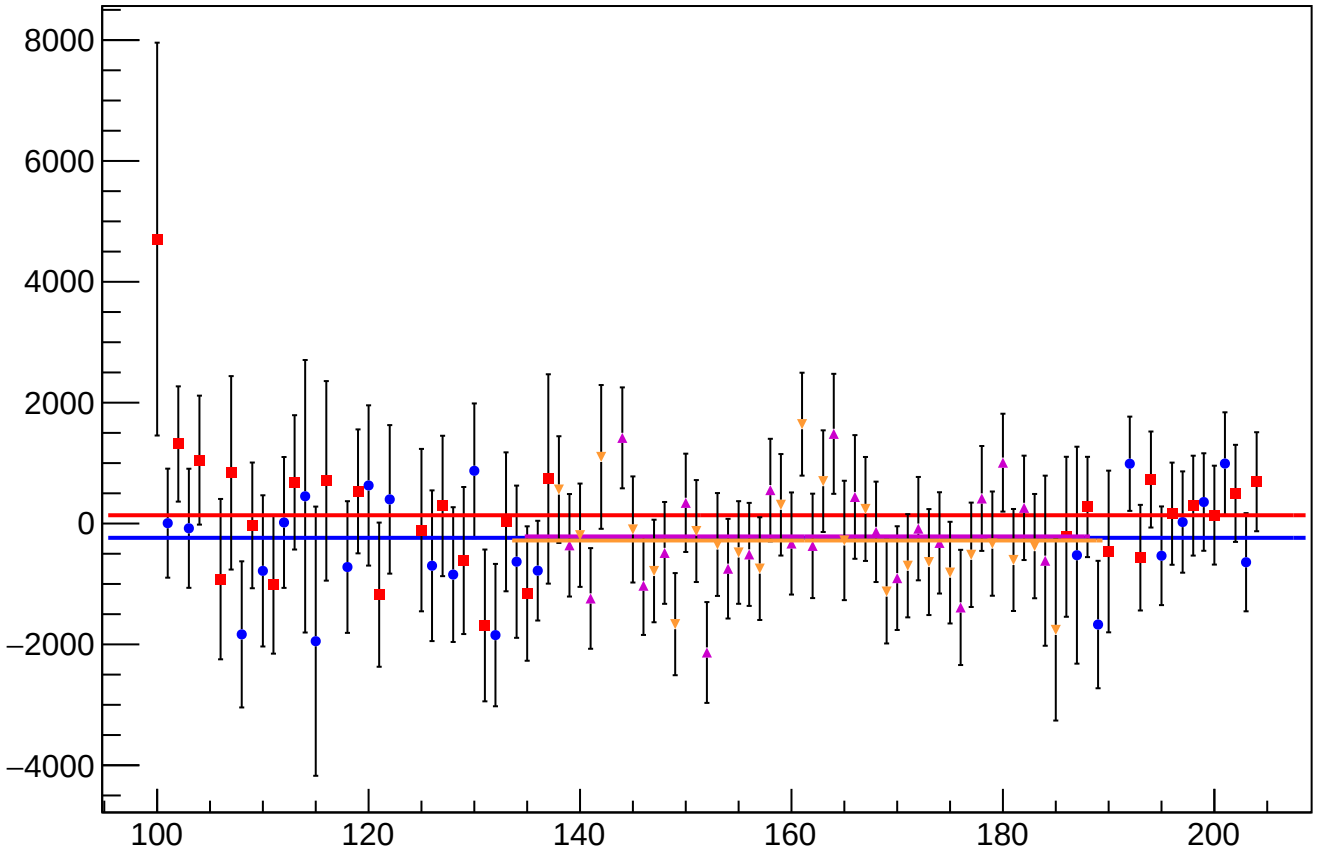
Left: 500.837+/-0.059 χ^2/NDF: 984164.9/46

Right: 817.313+/-0.122 χ^2/NDF: 9455595.2/50

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

Out: 561.587+/-0.074 χ^2/NDF:8816009.2/50

All: 560.708+/-0.053 χ^2/NDF: 15916420.7/97



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

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

Right Out: 137.052+/-200.313 χ^2/NDF: 14.0/27

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

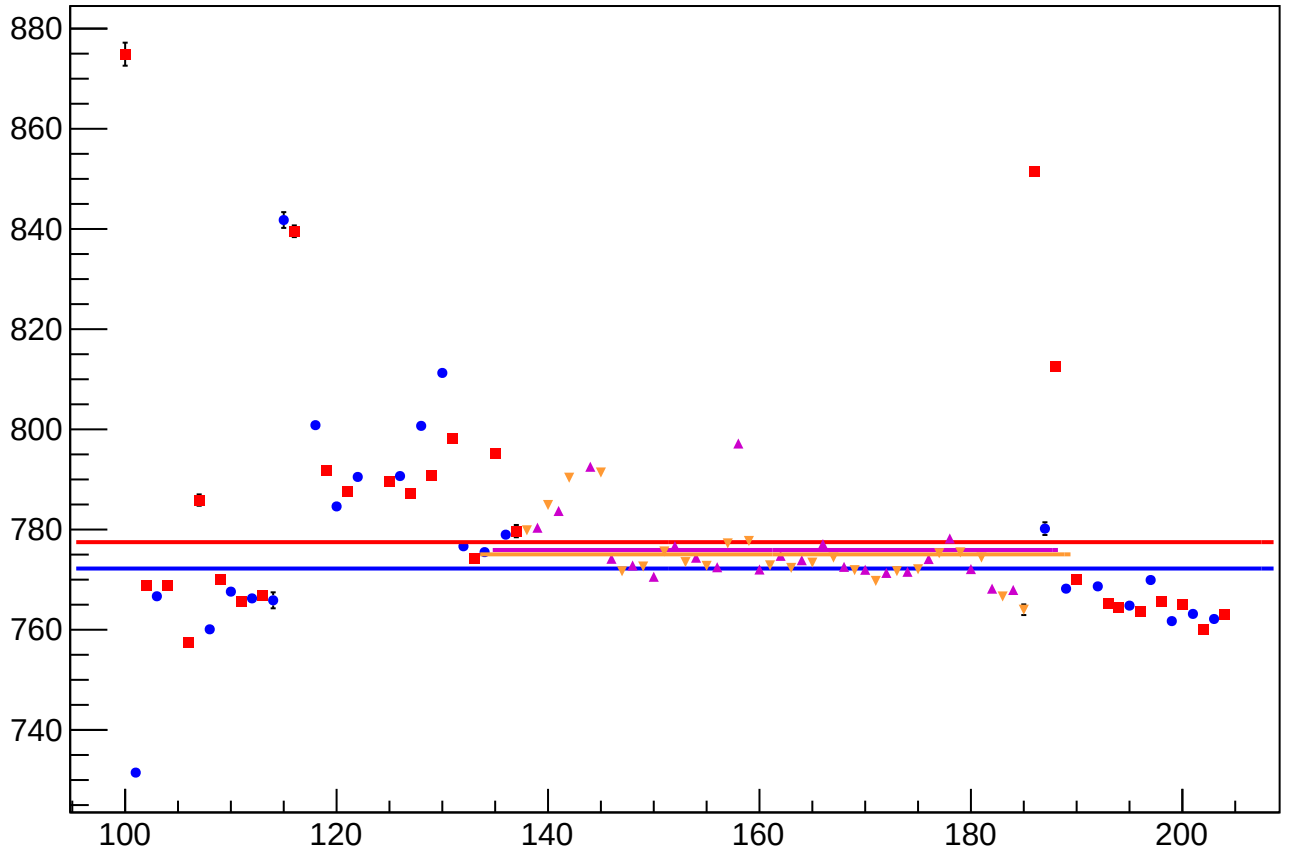
Left: -247.133+/-127.647 χ^2/NDF: 38.5/46

Right: -38.941+/-145.682 χ^2/NDF: 30.6/51

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

Out: -94.024+/-133.837 χ^2/NDF:32.5/51

All: -156.714+/-96.007 χ^2/NDF: 70.3/98



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

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

Right Out: 777.485+/-0.142 χ^2/NDF: 21897.5/27

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

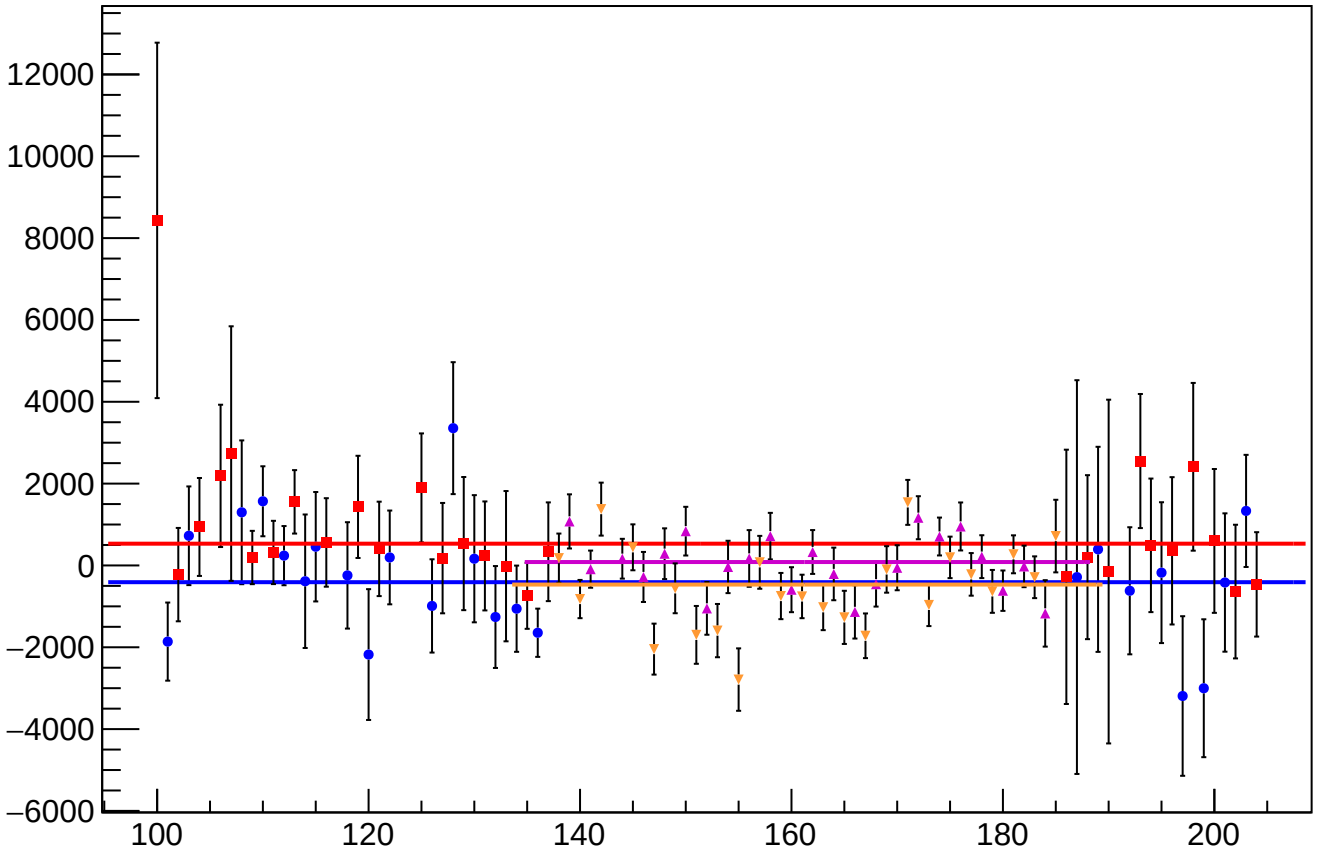
Left: 775.483+/-0.090 χ^2/NDF: 4947.6/46

Right: 775.004+/-0.103 χ^2/NDF: 36480.7/51

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

Out: 776.137+/-0.095 χ^2/NDF:24012.5/51

All: 775.275+/-0.068 χ^2/NDF: 41440.5/98



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

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

Right Out: 531.809+/-239.155 χ^2/NDF: 15.3/27

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

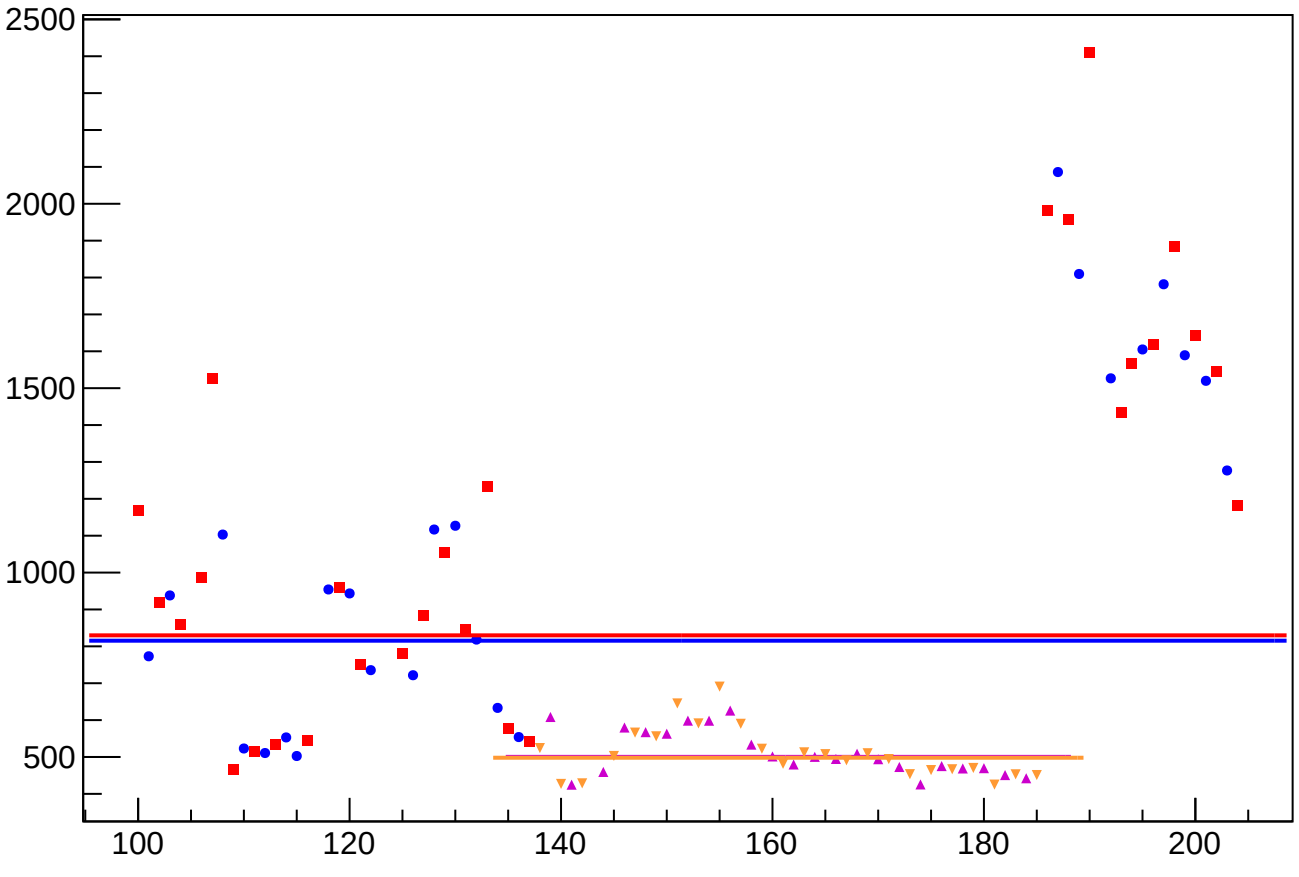
Left: -194.569+/-82.913 χ^2/NDF: 103.6/46

Right: 74.712+/-171.510 χ^2/NDF: 52.3/51

In: -8.658+/-106.260 χ^2/NDF:60.8/46

Out: -274.999+/-104.888 χ^2/NDF:93.8/51

All: -143.558+/-74.648 χ^2/NDF: 157.8/98



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

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

Right Out: 829.807+/-0.169 χ^2/NDF: 5751184.0/27

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

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

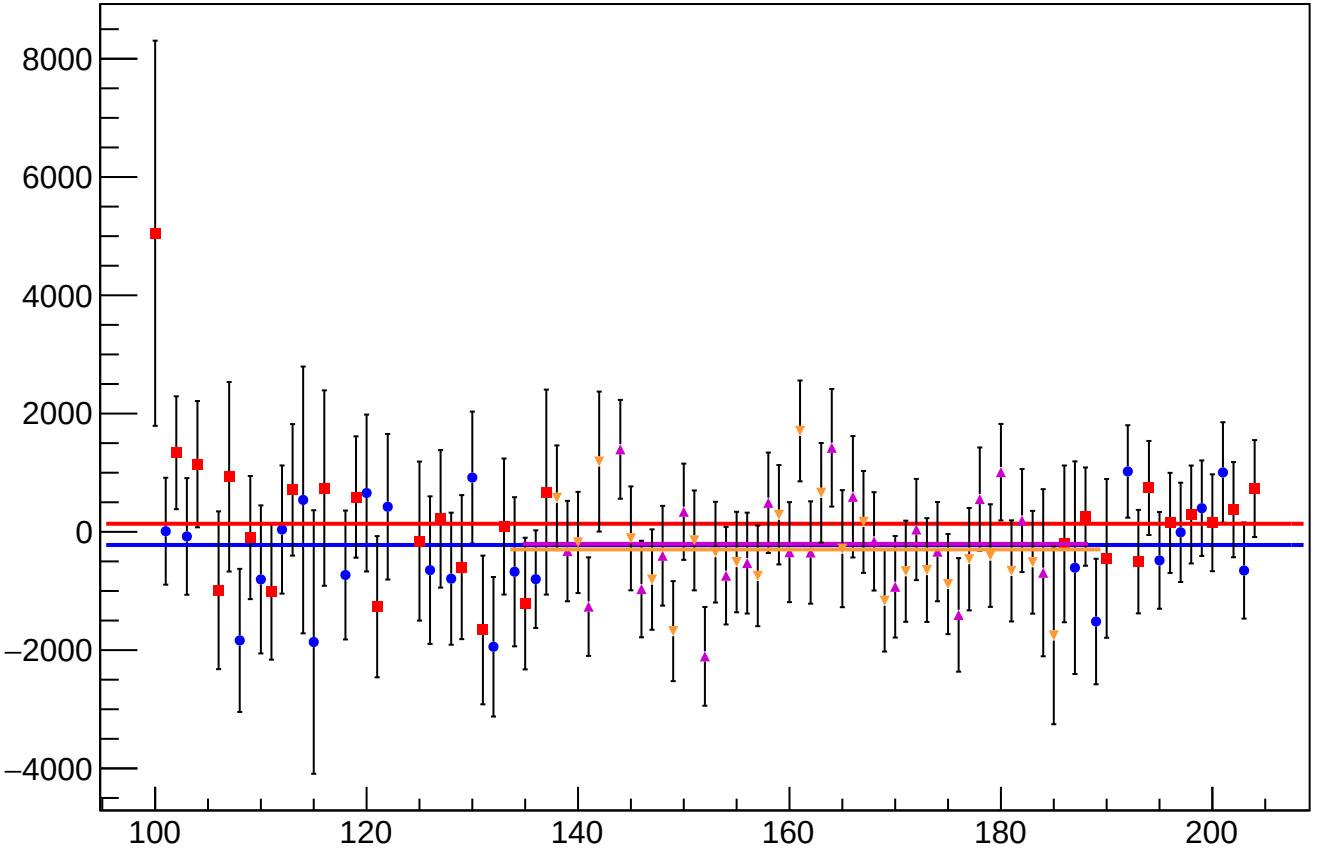
Right: 822.765+/-0.121 χ^2/NDF: 10026972.3/51

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

Out: 561.796+/-0.074 χ^2/NDF:9388124.8/51

All: 560.433+/-0.053 χ^2/NDF: 16804271.0/98

dit_asym_us_dd_mean vs Slug, Sign Corrected



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

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

Right Out: 136.897+/-200.551 χ^2/NDF: 14.8/27

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

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

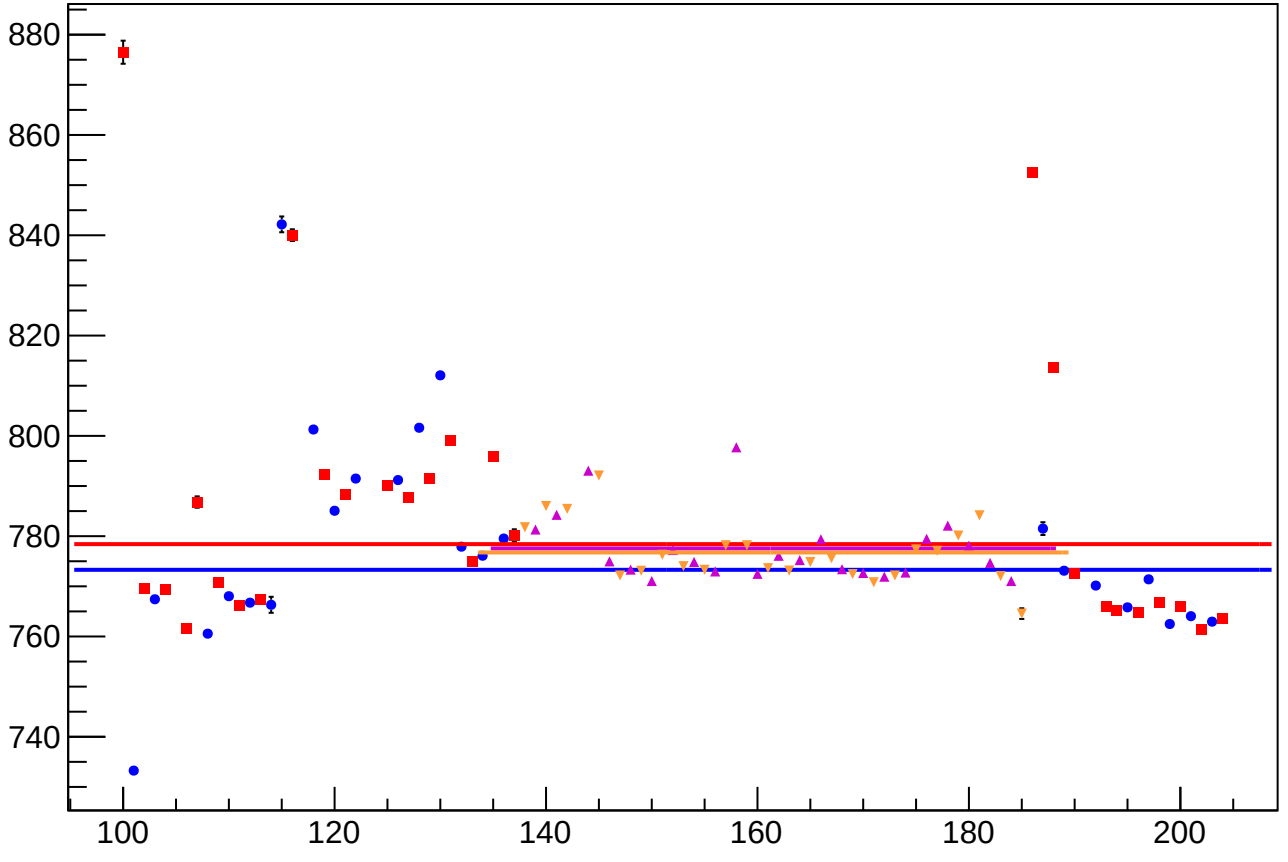
Right: -32.226+/-145.869 χ^2/NDF: 31.4/51

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

Out: -102.955+/-134.073 χ^2/NDF:34.1/51

All: -155.542+/-96.178 χ^2/NDF: 71.6/98

dit_asym_us_dd_rms vs Slug, Sign Corrected



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

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

Right Out: 778.414+/-0.142 χ^2/NDF: 21670.8/27

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

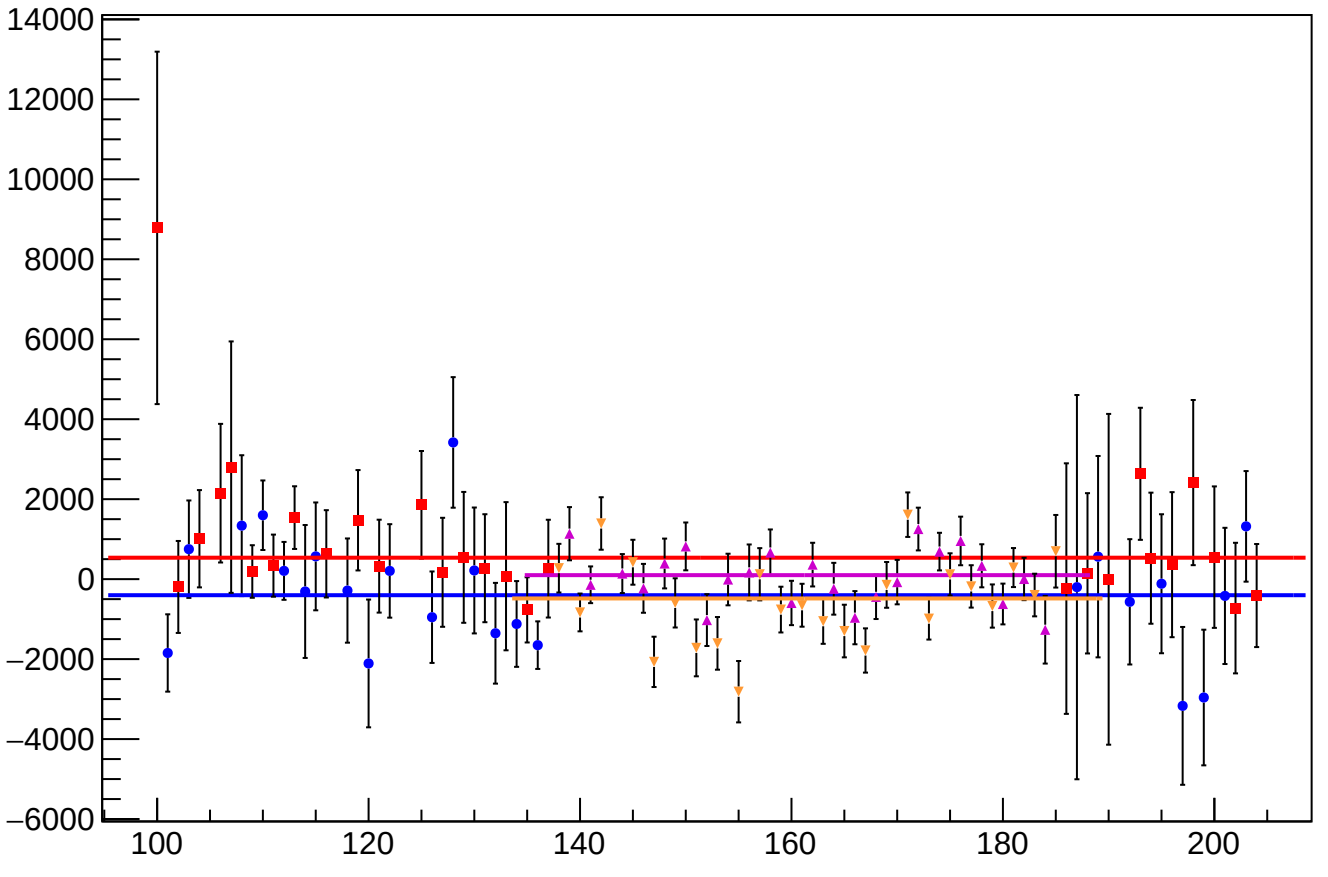
Left: 777.147+/-0.090 χ^2/NDF: 4596.6/46

Right: 776.003+/-0.103 χ^2/NDF: 35887.1/51

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

Out: 777.494+/-0.095 χ^2/NDF:23573.1/51

All: 776.650+/-0.068 χ^2/NDF: 40553.2/98



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

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

Right Out: 536.304+/-241.166 χ^2/NDF: 15.5/27

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

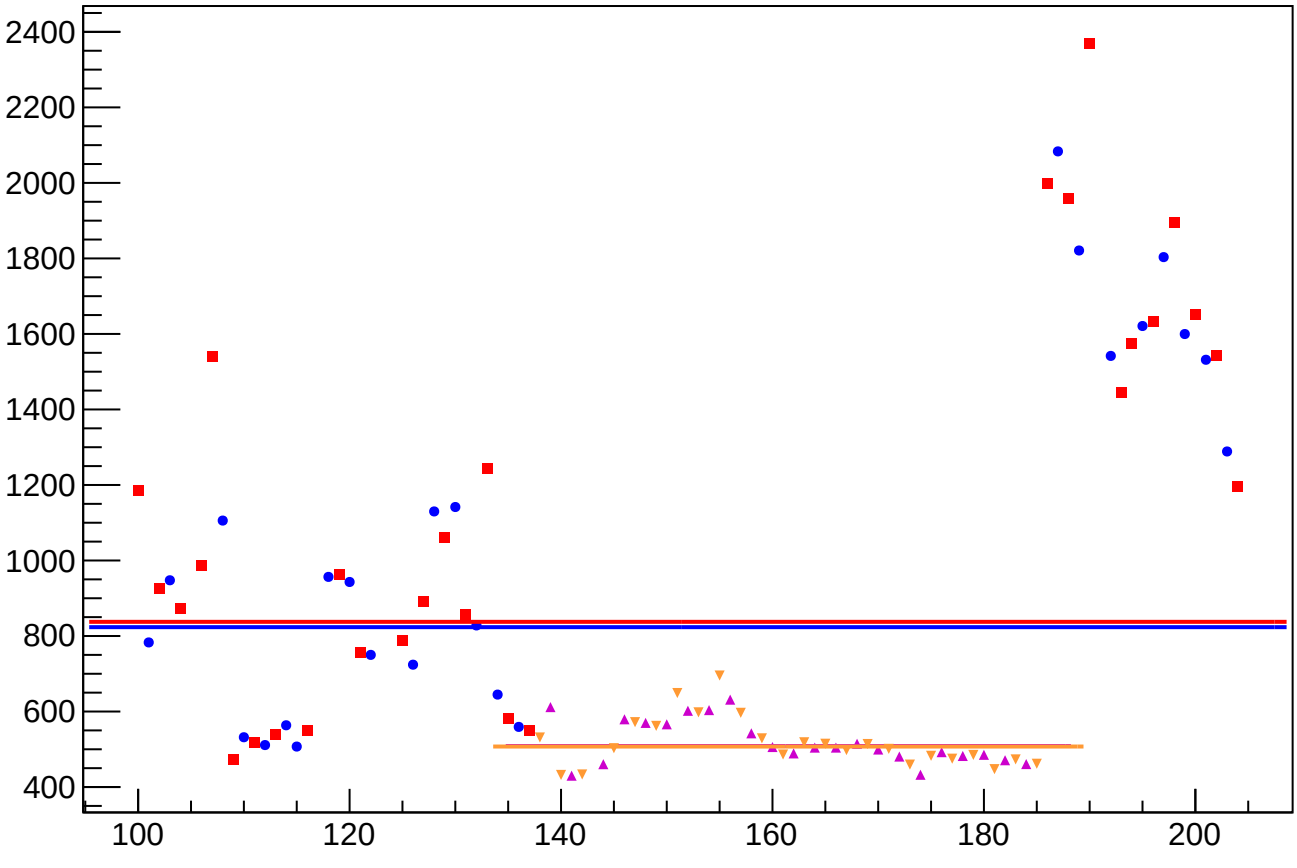
Left: -193.580+/-84.314 χ^2/NDF: 104.5/46

Right: 81.365+/-173.053 χ^2/NDF: 52.1/51

In: 5.544+/-107.821 χ^2/NDF:60.0/46

Out: -283.849+/-106.575 χ^2/NDF:95.0/51

All: -140.834+/-75.797 χ^2/NDF: 158.6/98



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

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

Right Out: 837.543+/-0.171 χ^2/NDF: 5712511.1/27

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

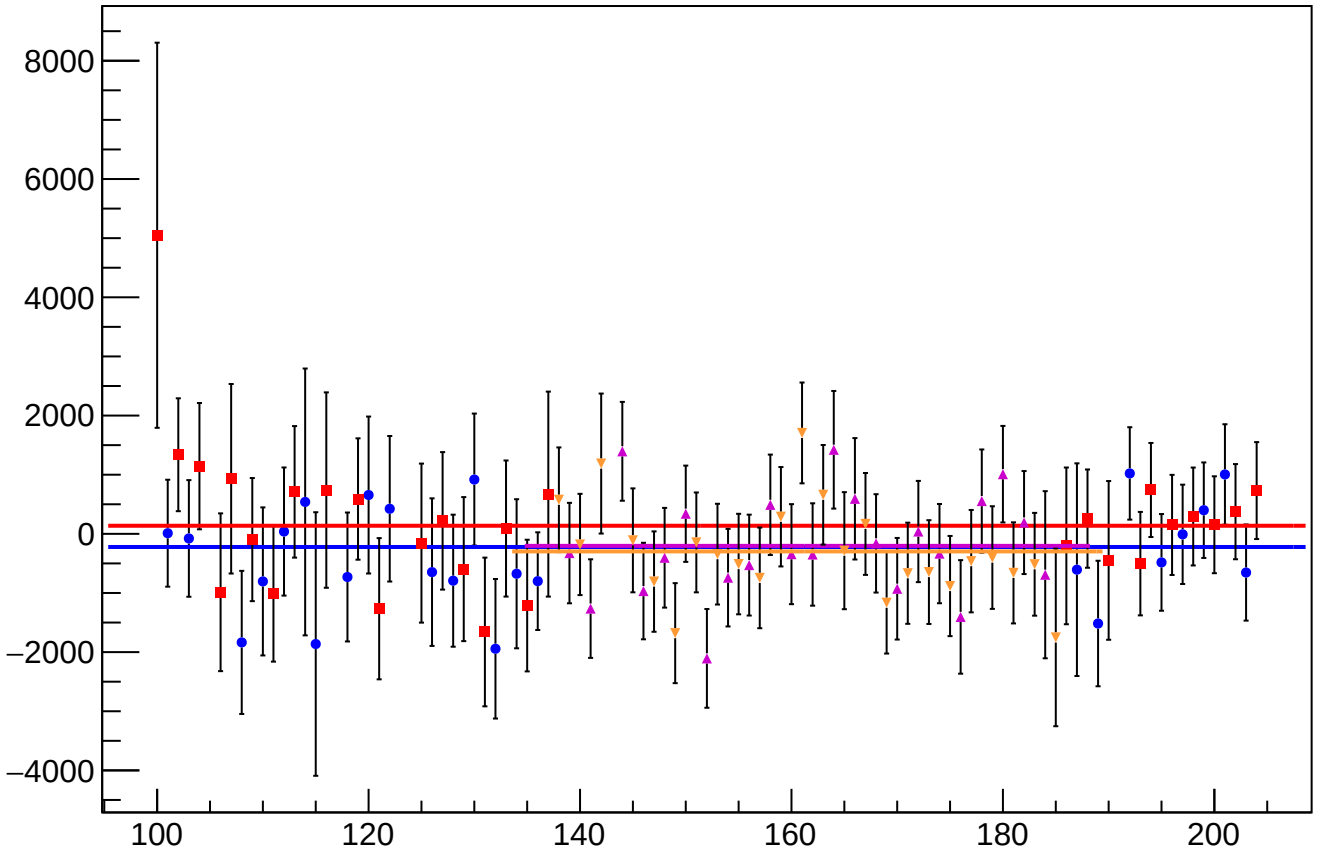
Left: 507.974+/-0.060 χ^2/NDF: 906551.9/46

Right: 830.692+/-0.122 χ^2/NDF: 9980765.0/51

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

Out: 571.808+/-0.075 χ^2/NDF:9204042.9/51

All: 569.884+/-0.054 χ^2/NDF: 16508335.8/98



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

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

Right Out: 136.897+/-200.551 χ^2/NDF: 14.8/27

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

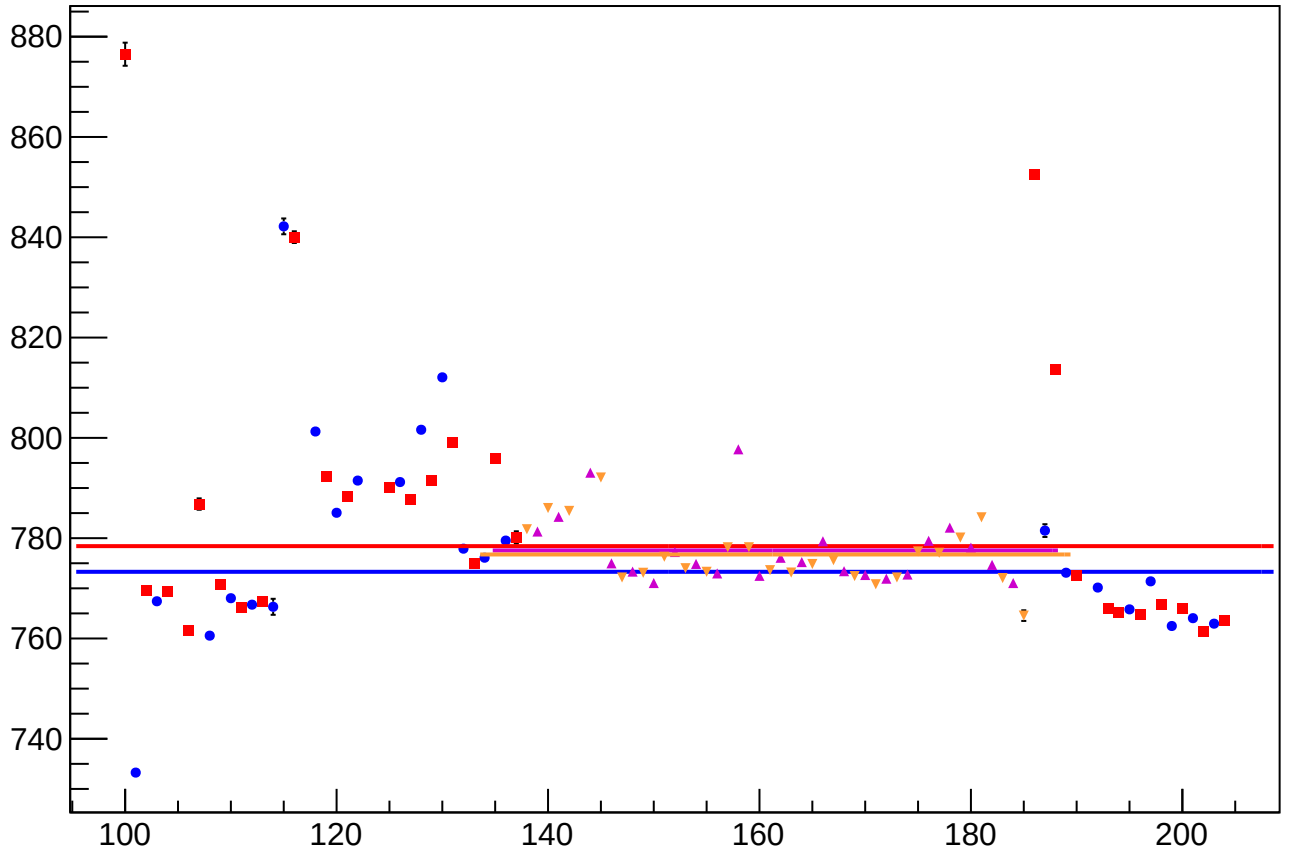
Left: -250.382+/-127.923 χ^2/NDF: 38.9/46

Right: -32.226+/-145.869 χ^2/NDF: 31.4/51

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

Out: -102.955+/-134.073 χ^2/NDF:34.1/51

All: -155.542+/-96.178 χ^2/NDF: 71.6/98



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

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

Right Out: 778.414+/-0.142 χ^2/NDF: 21670.7/27

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

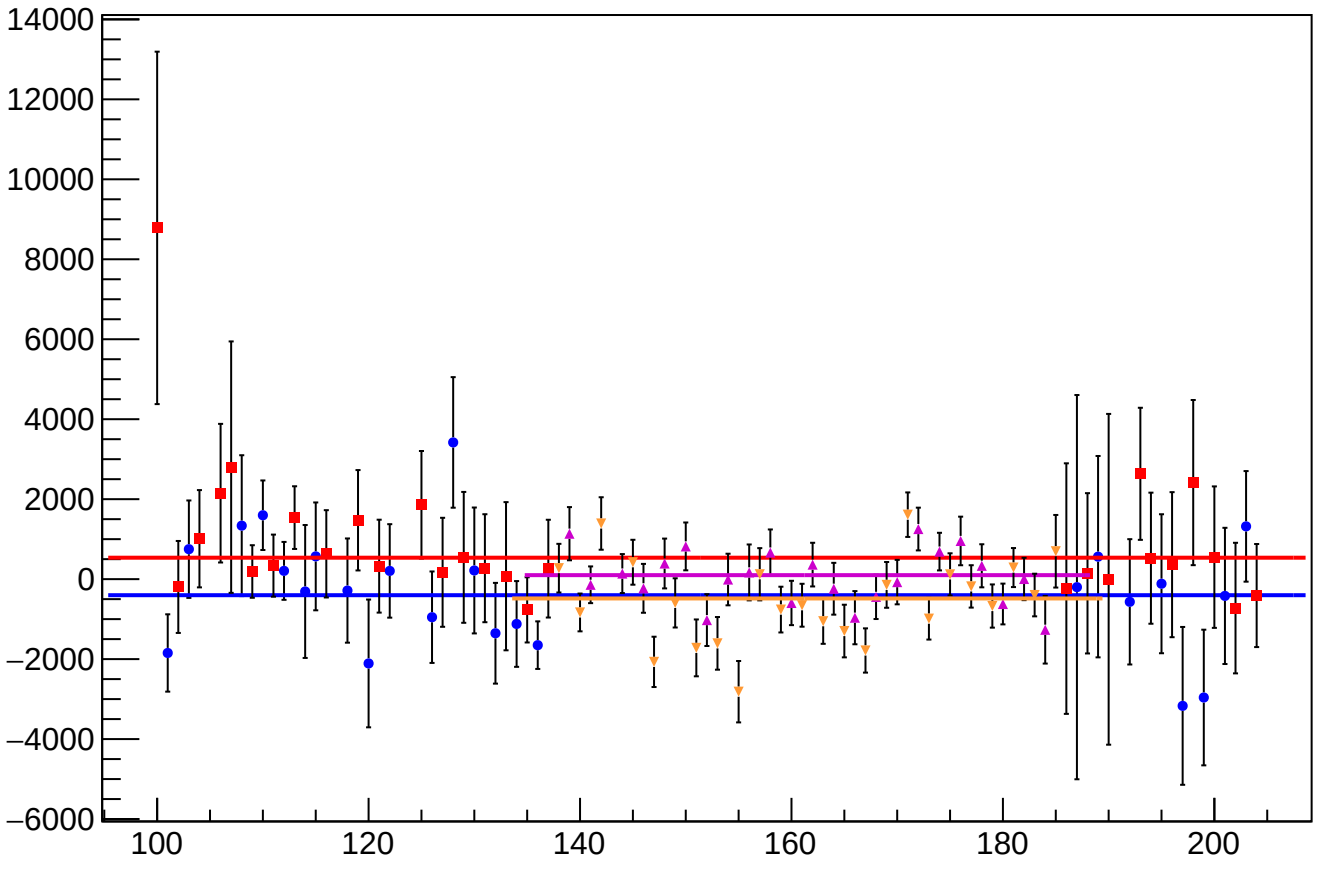
Left: 777.147+/-0.090 χ^2/NDF: 4596.6/46

Right: 776.003+/-0.103 χ^2/NDF: 35887.0/51

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

Out: 777.494+/-0.095 χ^2/NDF:23573.1/51

All: 776.650+/-0.068 χ^2/NDF: 40553.2/98



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

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

Right Out: 536.303+/-241.165 χ^2/NDF: 15.5/27

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

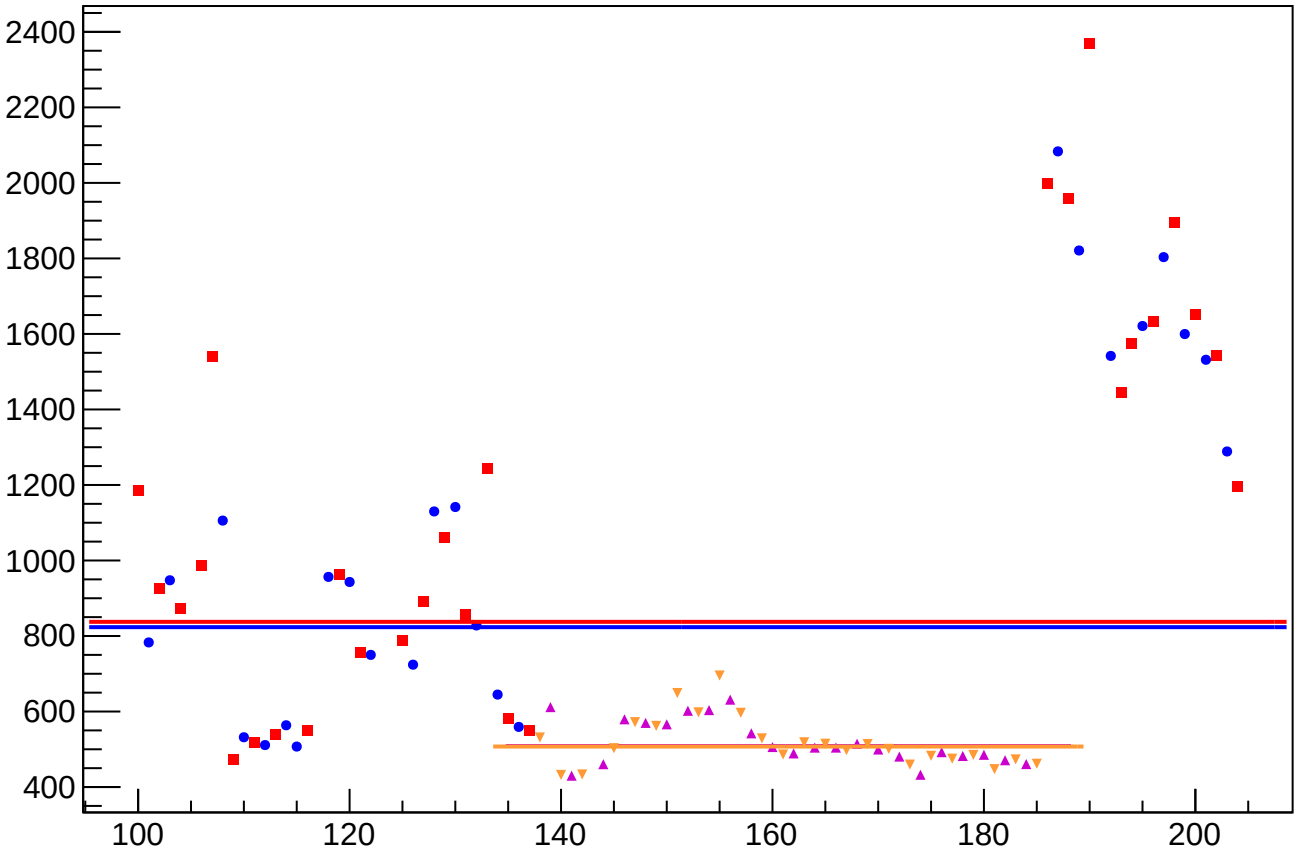
Left: -193.580+/-84.314 χ^2/NDF: 104.5/46

Right: 81.366+/-173.053 χ^2/NDF: 52.1/51

In: 5.544+/-107.821 χ^2/NDF:60.0/46

Out: -283.848+/-106.575 χ^2/NDF:95.0/51

All: -140.833+/-75.797 χ^2/NDF: 158.6/98



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

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

Right Out: 837.539+/-0.171 χ^2/NDF: 5712566.9/27

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

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

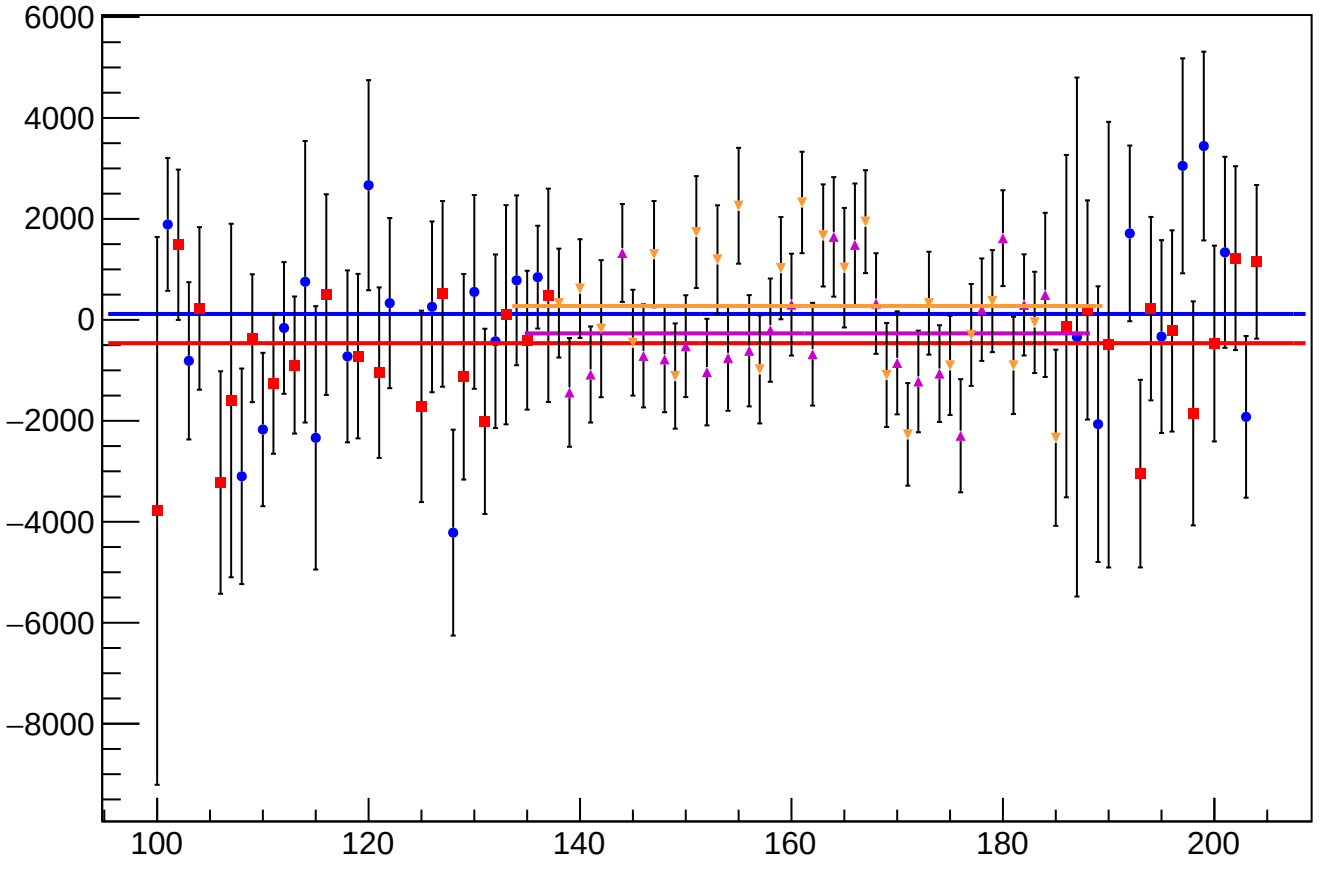
Right: 830.689+/-0.122 χ^2/NDF: 9980865.5/51

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

Out: 571.808+/-0.075 χ^2/NDF:9204053.5/51

All: 569.884+/-0.054 χ^2/NDF: 16508357.0/98

asym_us_dd_mean vs Slug, Sign Corrected



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

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

Right Out: -460.908+/-347.094 χ^2/NDF: 11.1/27

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

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

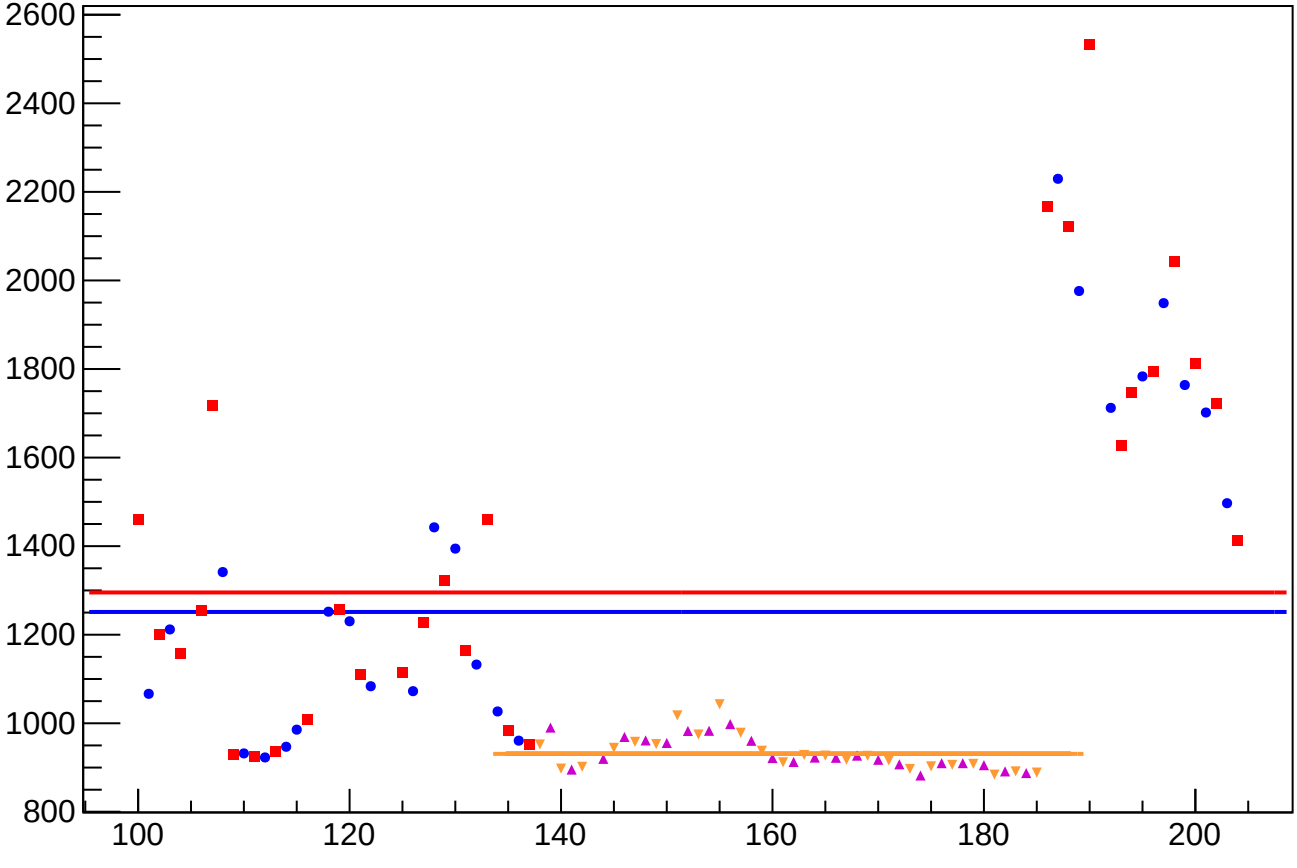
Right: -179.065+/-248.431 χ^2/NDF: 35.9/51

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

Out: 69.298+/-183.566 χ^2/NDF:48.0/51

All: -45.240+/-130.541 χ^2/NDF: 94.5/98

asym_us_dd_rms vs Slug, Sign Corrected



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

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

Right Out: 1295.421+/-0.245 χ^2/NDF: 2153352.4/27

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

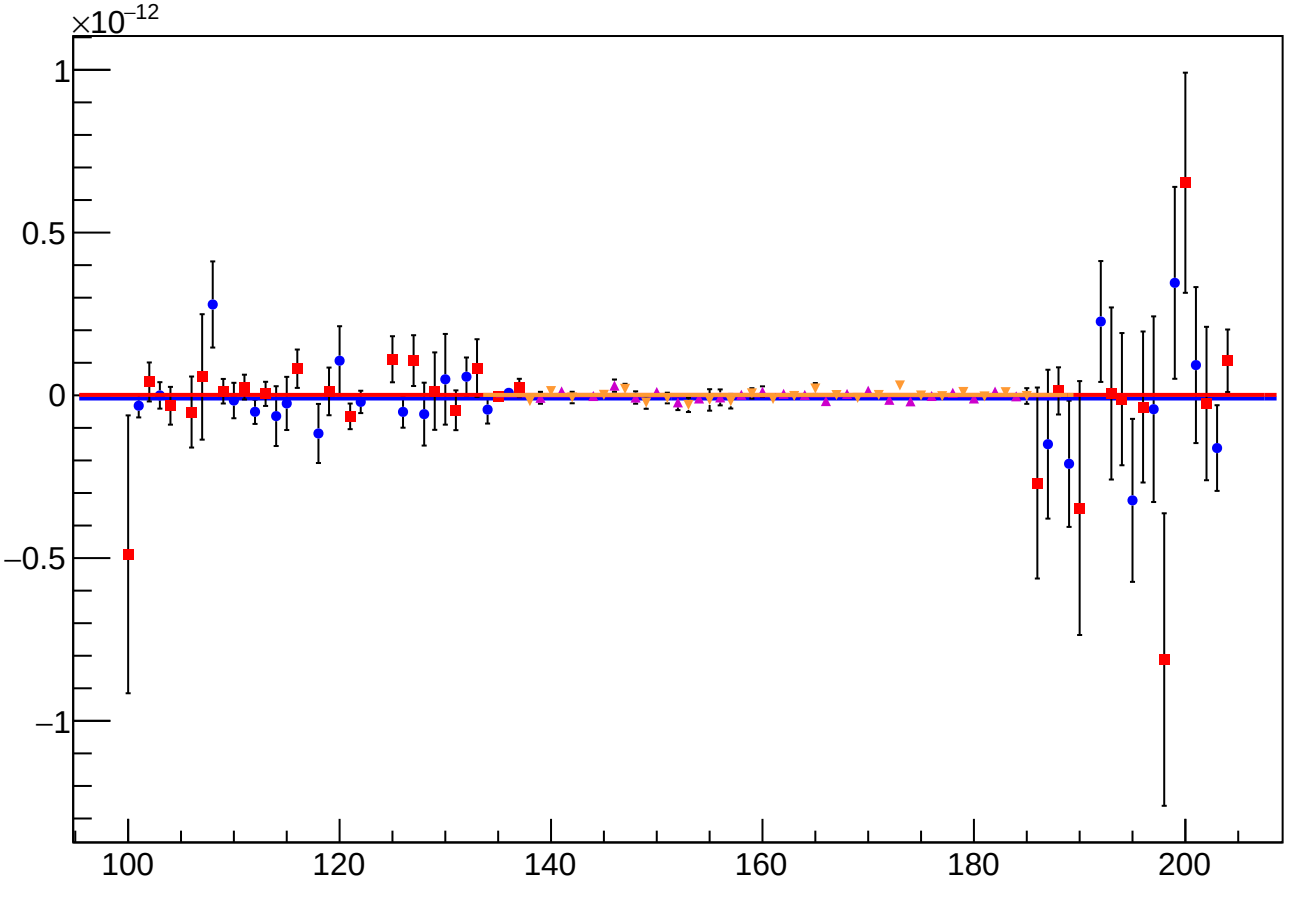
Left: 931.240+/-0.108 χ^2/NDF: 110877.8/46

Right: 1273.951+/-0.176 χ^2/NDF: 3786166.5/51

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

Out: 1032.872+/-0.130 χ^2/NDF:3804007.1/51

All: 1025.866+/-0.092 χ^2/NDF: 6652196.2/98



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

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

Right Out: 0.000+/-0.000 χ^2/NDF: 24.2/27

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

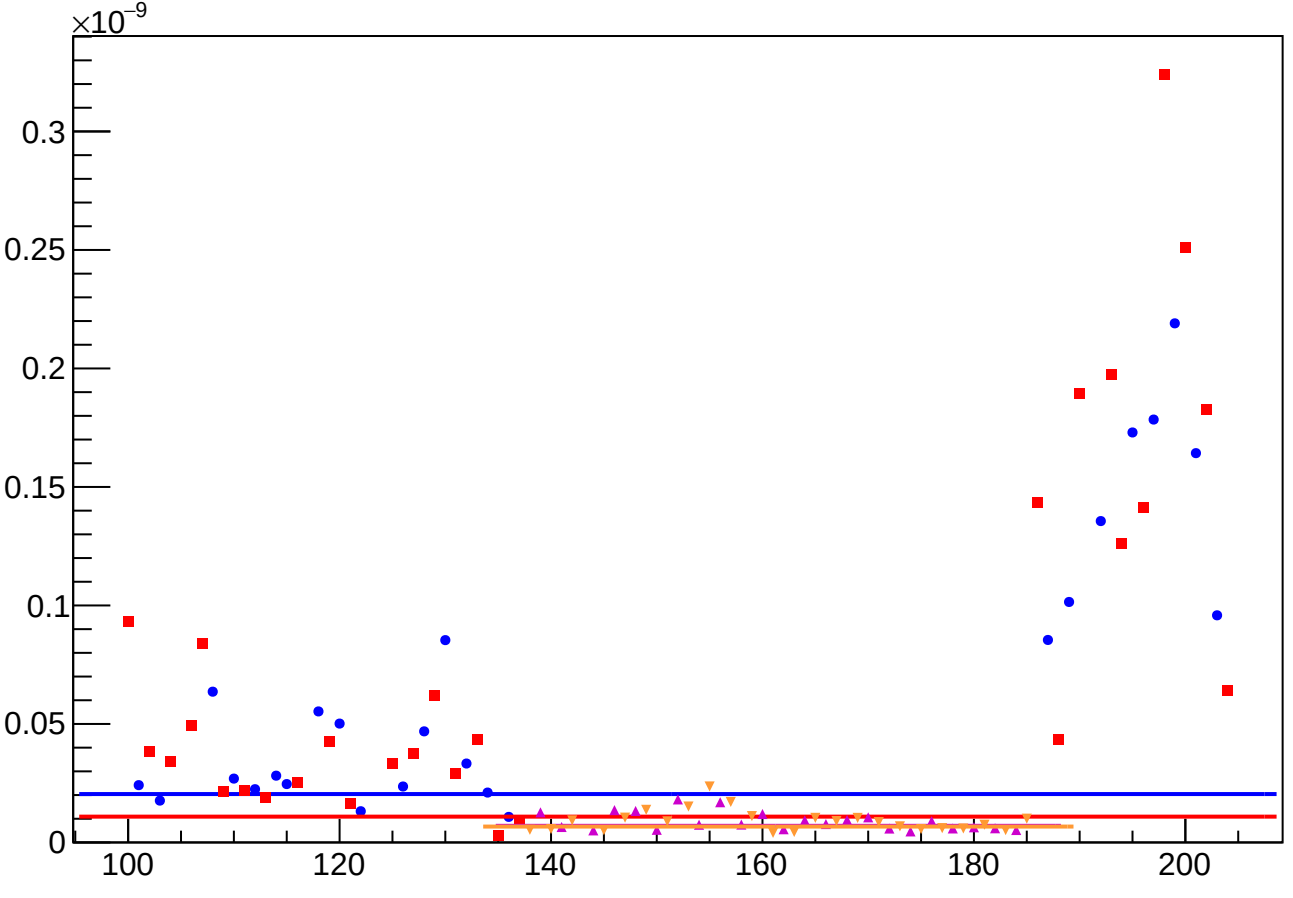
Left: 0.000+/-0.000 χ^2/NDF: 48.0/46

Right: -0.000+/-0.000 χ^2/NDF: 46.5/51

In: -0.000+/-0.000 χ^2/NDF:44.4/46

Out: 0.000+/-0.000 χ^2/NDF:49.9/51

All: 0.000+/-0.000 χ^2/NDF: 94.7/98



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

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

Right Out: 0.000+/-0.000 χ^2/NDF: 12389327.7/27

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

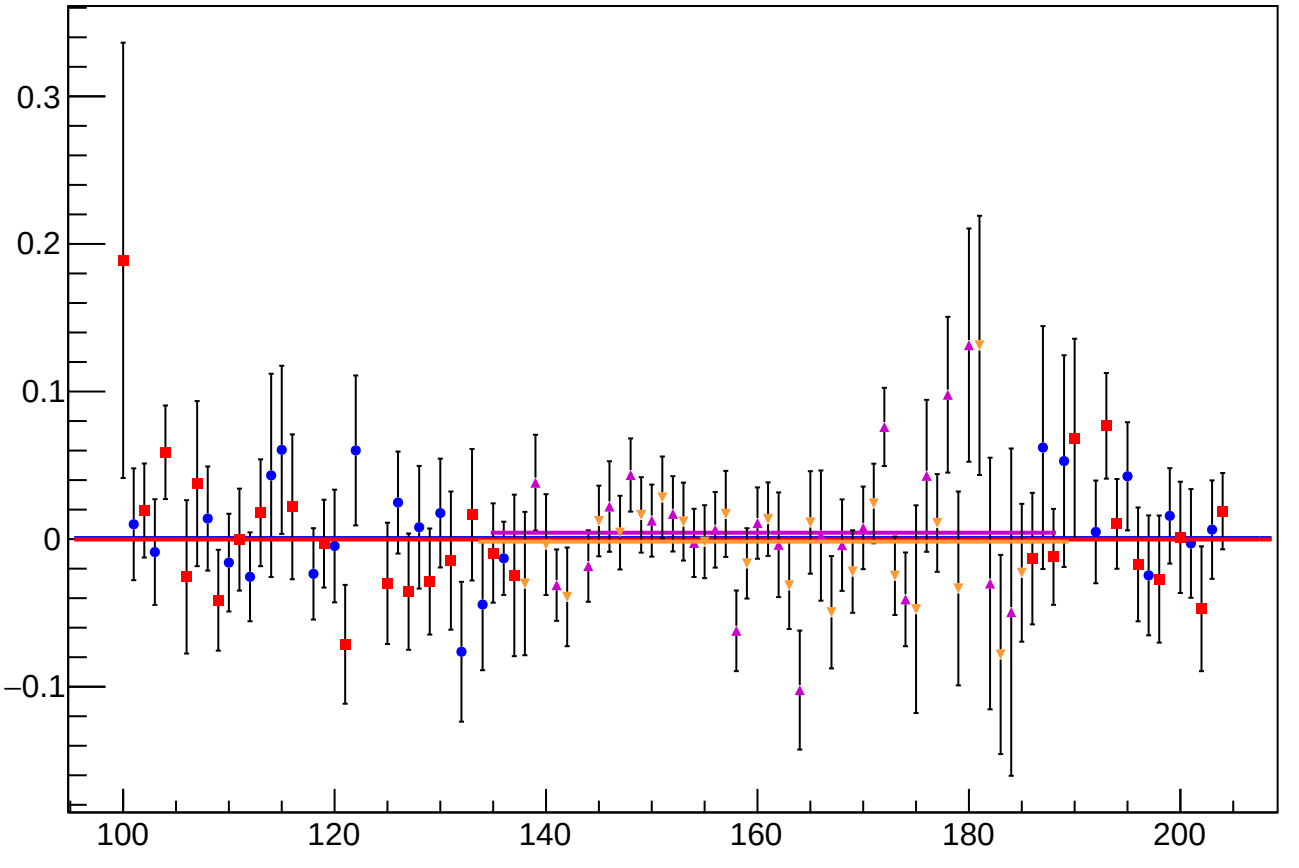
Left: 0.000+/-0.000 χ^2/NDF: 5389849.5/46

Right: 0.000+/-0.000 χ^2/NDF: 20813903.7/51

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

Out: 0.000+/-0.000 χ^2/NDF:15932509.3/51

All: 0.000+/-0.000 χ^2/NDF: 29022103.0/98



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

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

Right Out: -0.000+/-0.007 χ^2/NDF: 22.0/27

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

Left: 0.001+/-0.005 χ^2/NDF: 51.6/46

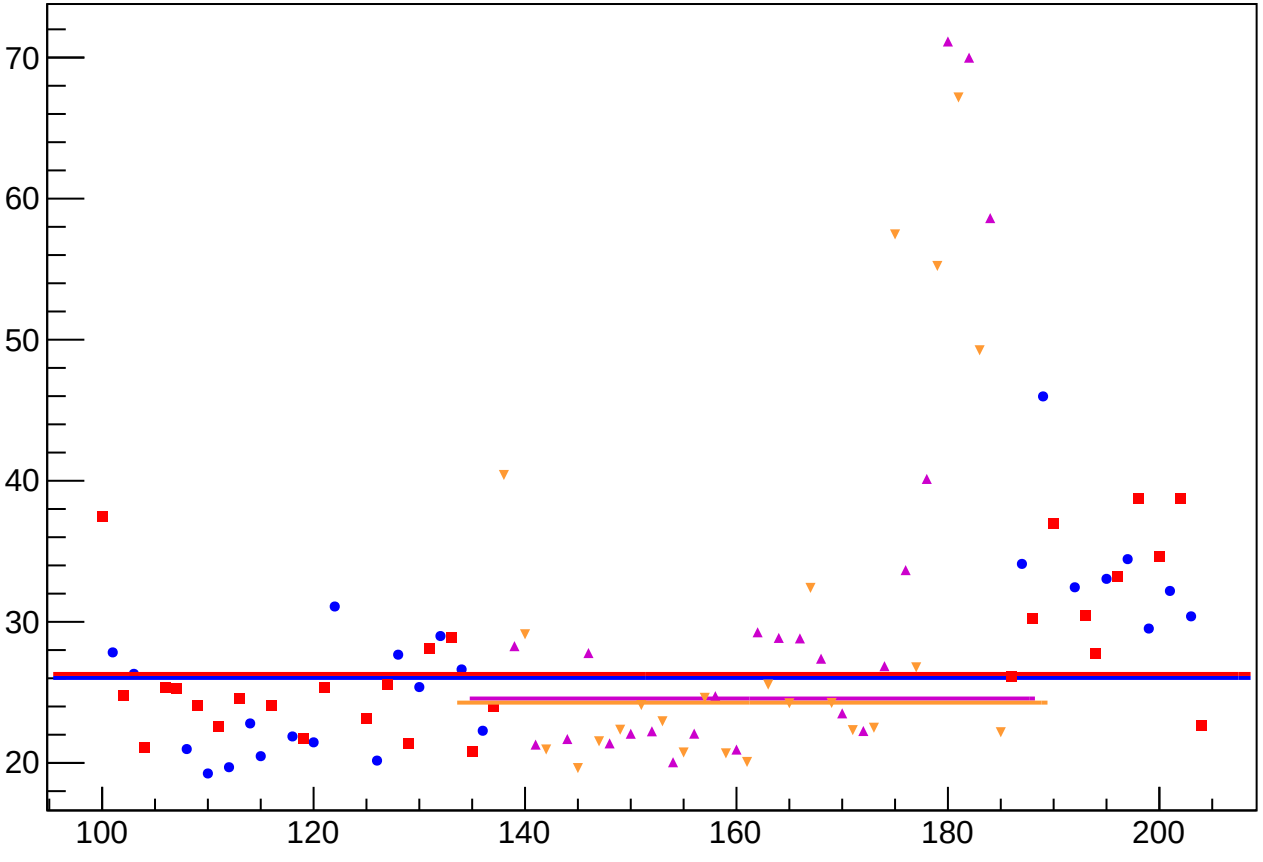
Right: 0.000+/-0.005 χ^2/NDF: 34.6/51

In: 0.003+/-0.005 χ^2/NDF:49.2/46

Out: -0.001+/-0.005 χ^2/NDF:36.7/51

All: 0.001+/-0.003 χ^2/NDF: 86.2/98

asym_us_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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

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

Right Out: 26.307+/-0.005 χ^2/NDF: 930837.3/27

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

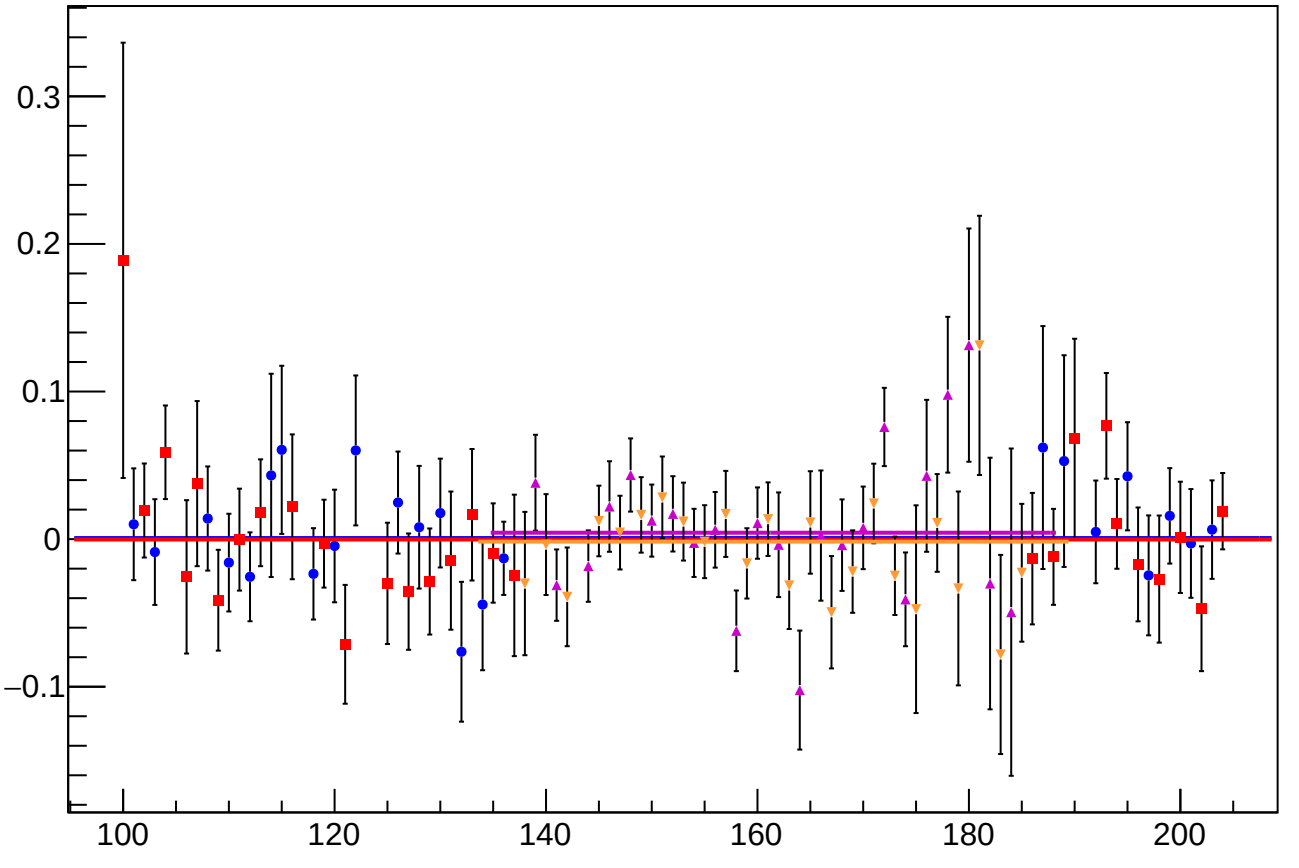
Left: 24.418+/-0.003 χ^2/NDF: 4445671.0/46

Right: 26.176+/-0.004 χ^2/NDF: 1888113.7/51

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

Out: 25.155+/-0.003 χ^2/NDF:3330560.2/51

All: 25.157+/-0.002 χ^2/NDF: 6461918.7/98



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

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

Right Out: -0.000+/-0.007 χ^2/NDF: 22.0/27

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

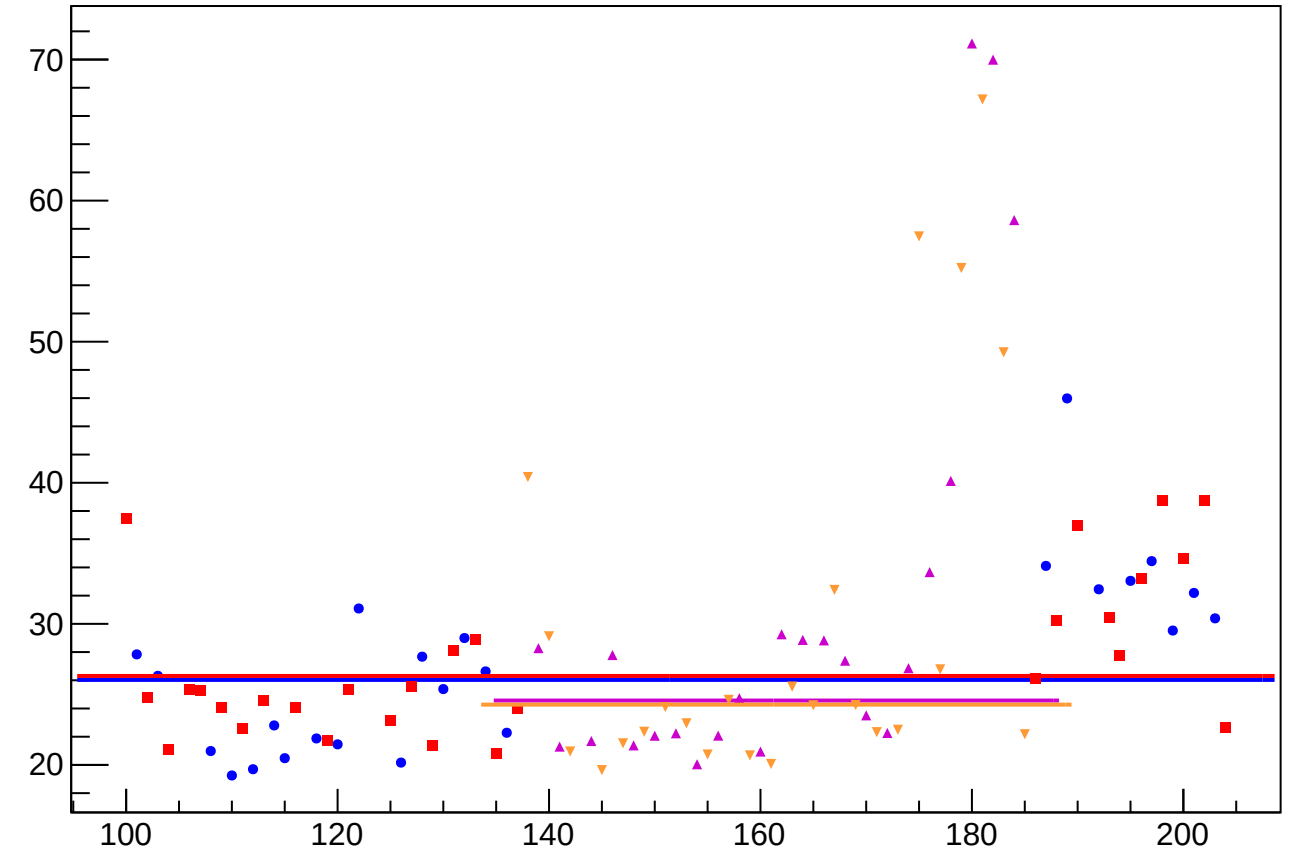
Left: 0.001+/-0.005 χ^2/NDF: 51.6/46

Right: 0.000+/-0.005 χ^2/NDF: 34.6/51

In: 0.003+/-0.005 χ^2/NDF:49.2/46

Out: -0.001+/-0.005 χ^2/NDF:36.7/51

All: 0.001+/-0.003 χ^2/NDF: 86.2/98



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

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

Right Out: 26.307+/-0.005 χ^2/NDF: 930837.3/27

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

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

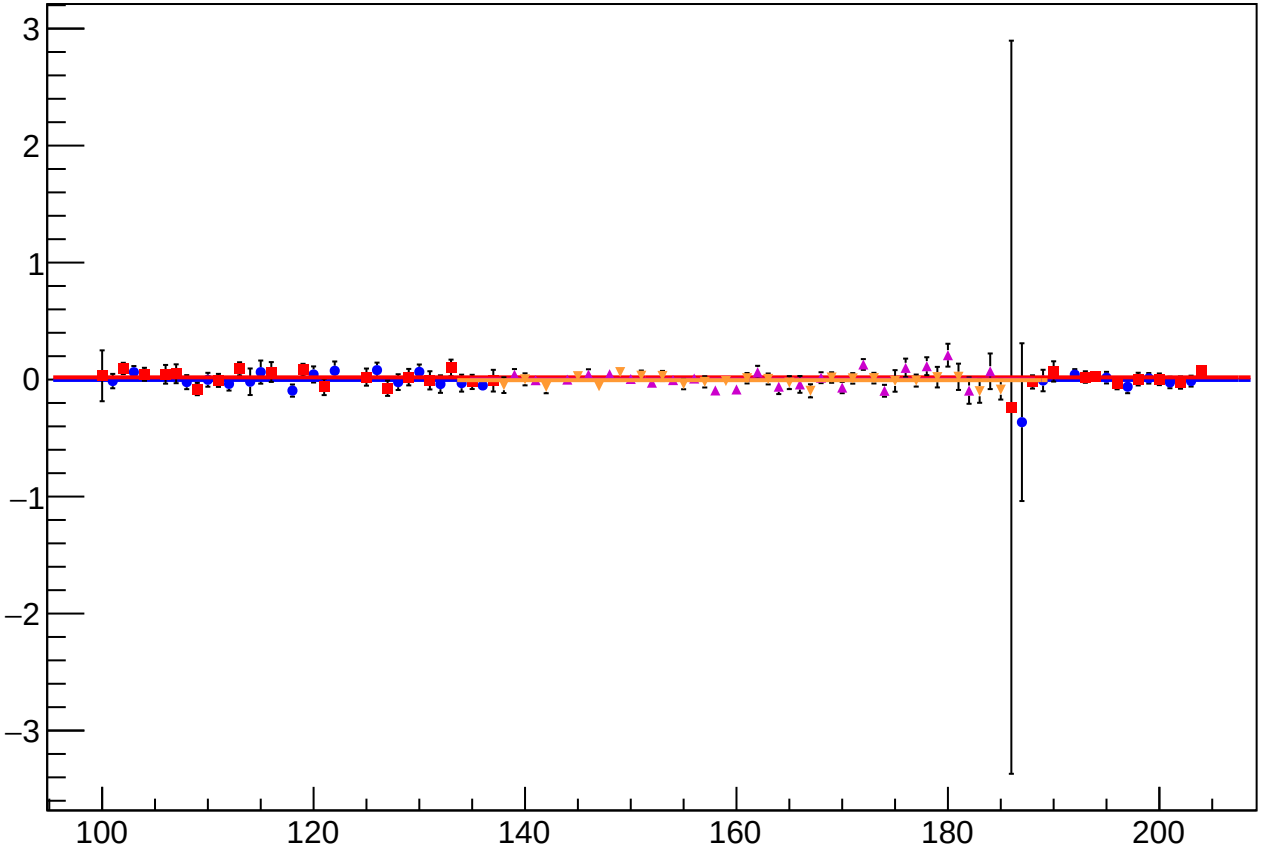
Right: 26.176+/-0.004 χ^2/NDF: 1888113.7/51

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

Out: 25.155+/-0.003 χ^2/NDF:3330560.2/51

All: 25.157+/-0.002 χ^2/NDF: 6461918.7/98

asym_us_dd_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected



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

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

Right Out: 0.019+/-0.011 χ^2/NDF: 20.0/27

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

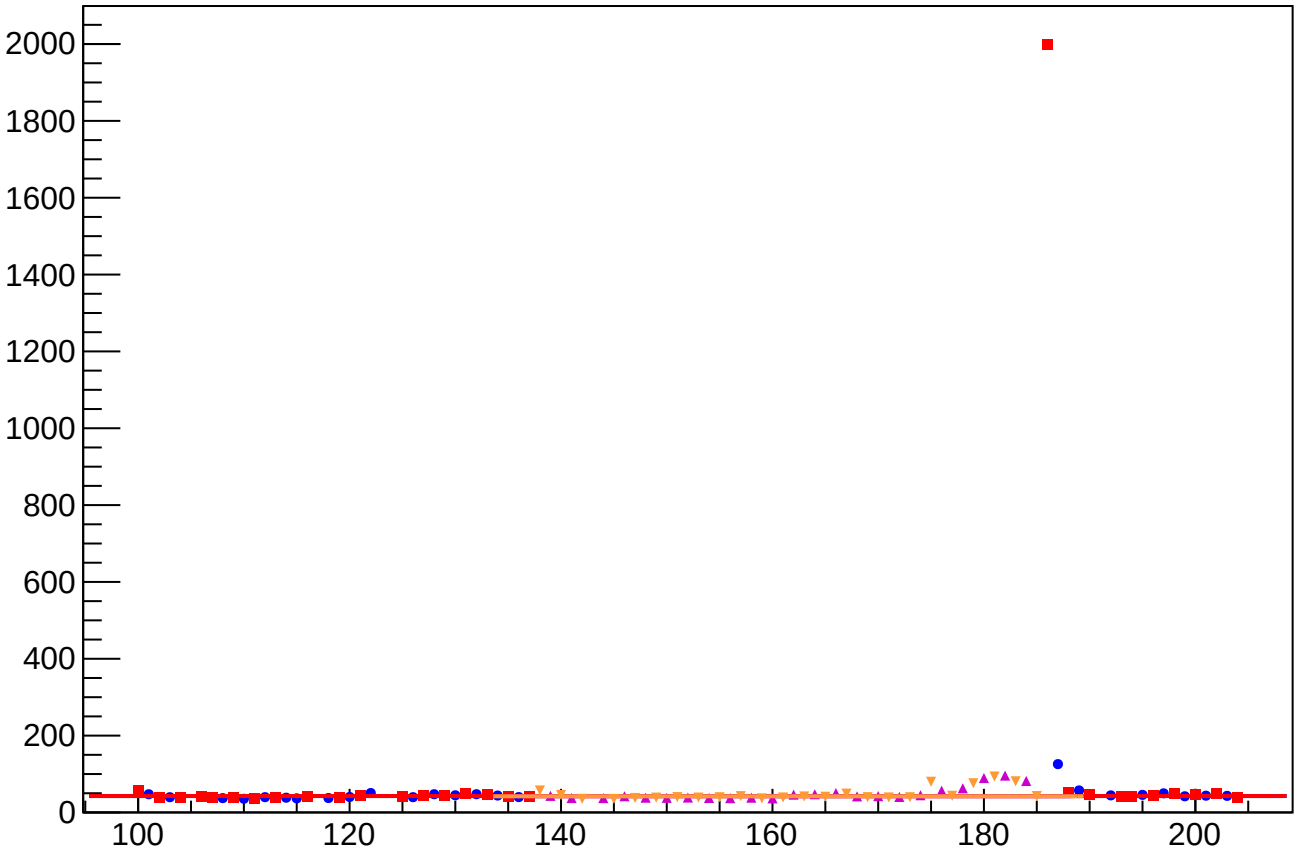
Left: -0.002+/-0.007 χ^2/NDF: 51.9/46

Right: 0.009+/-0.008 χ^2/NDF: 36.2/51

In: -0.001+/-0.008 χ^2/NDF:52.5/46

Out: 0.006+/-0.008 χ^2/NDF:36.3/51

All: 0.002+/-0.006 χ^2/NDF: 89.2/98



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

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

Right Out: 42.697+/-0.008 χ^2/NDF: 1045495.5/27

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

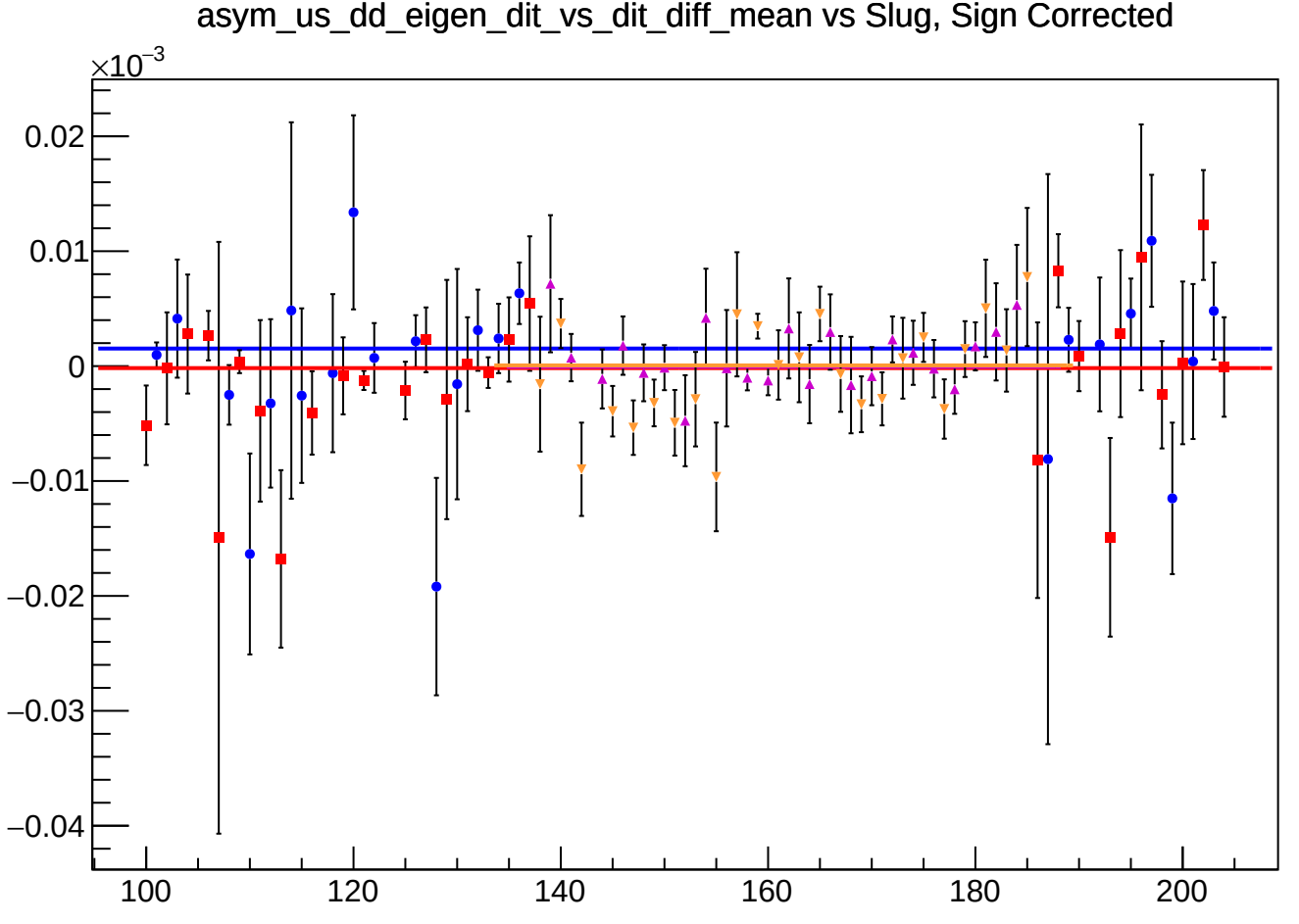
Left: 42.083+/-0.005 χ^2/NDF: 3259553.8/46

Right: 42.746+/-0.006 χ^2/NDF: 1322872.1/51

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

Out: 42.363+/-0.005 χ^2/NDF:2764633.6/51

All: 42.372+/-0.004 χ^2/NDF: 4589522.3/98



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

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

Right Out: -0.000+/-0.000 χ^2/NDF: 33.8/27

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

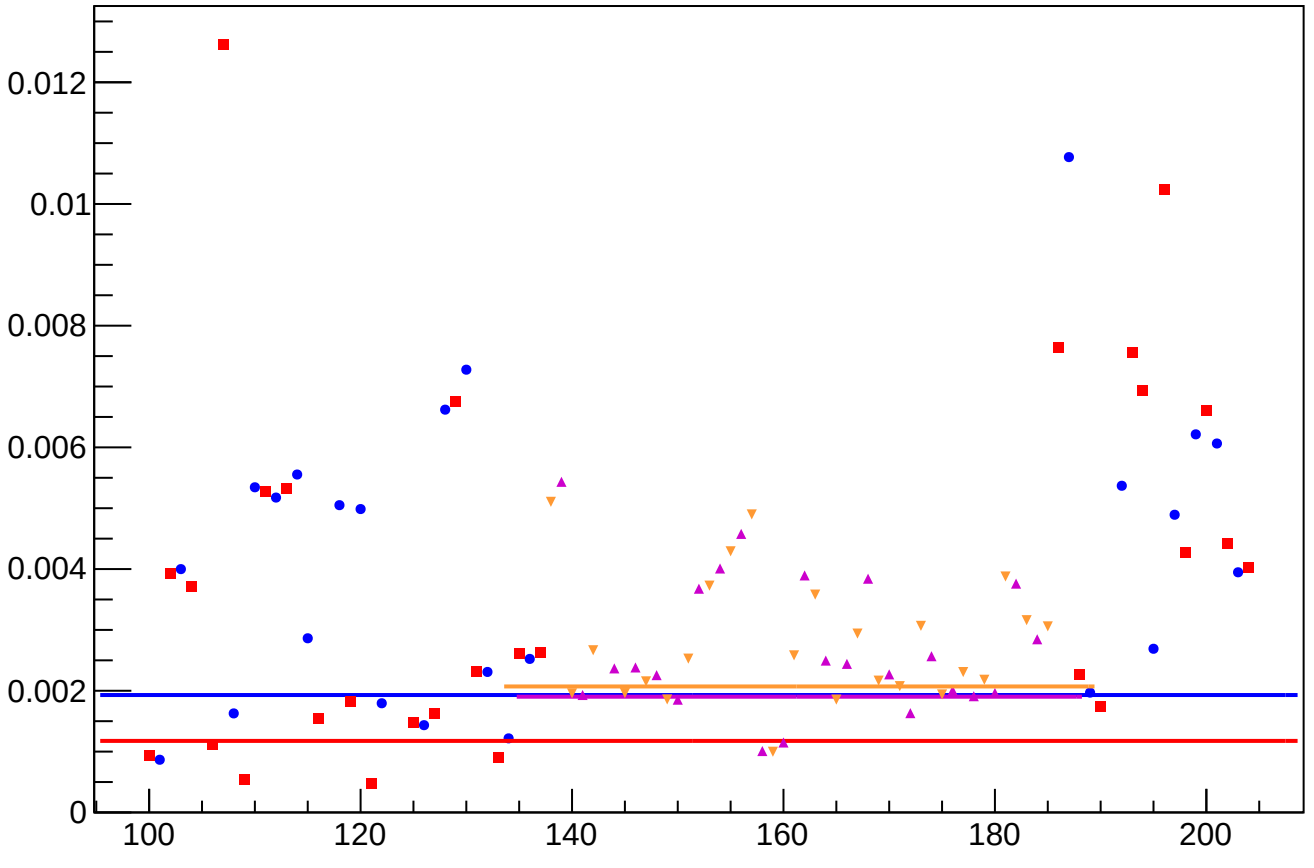
Left: -0.000+/-0.000 χ^2/NDF: 64.7/46

Right: 0.000+/-0.000 χ^2/NDF: 65.0/51

In: 0.000+/-0.000 χ^2/NDF:43.5/46

Out: -0.000+/-0.000 χ^2/NDF:85.6/51

All: 0.000+/-0.000 χ^2/NDF: 130.2/98



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

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

Right Out: 0.001+/-0.000 χ^2/NDF: 14604095.3/27

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

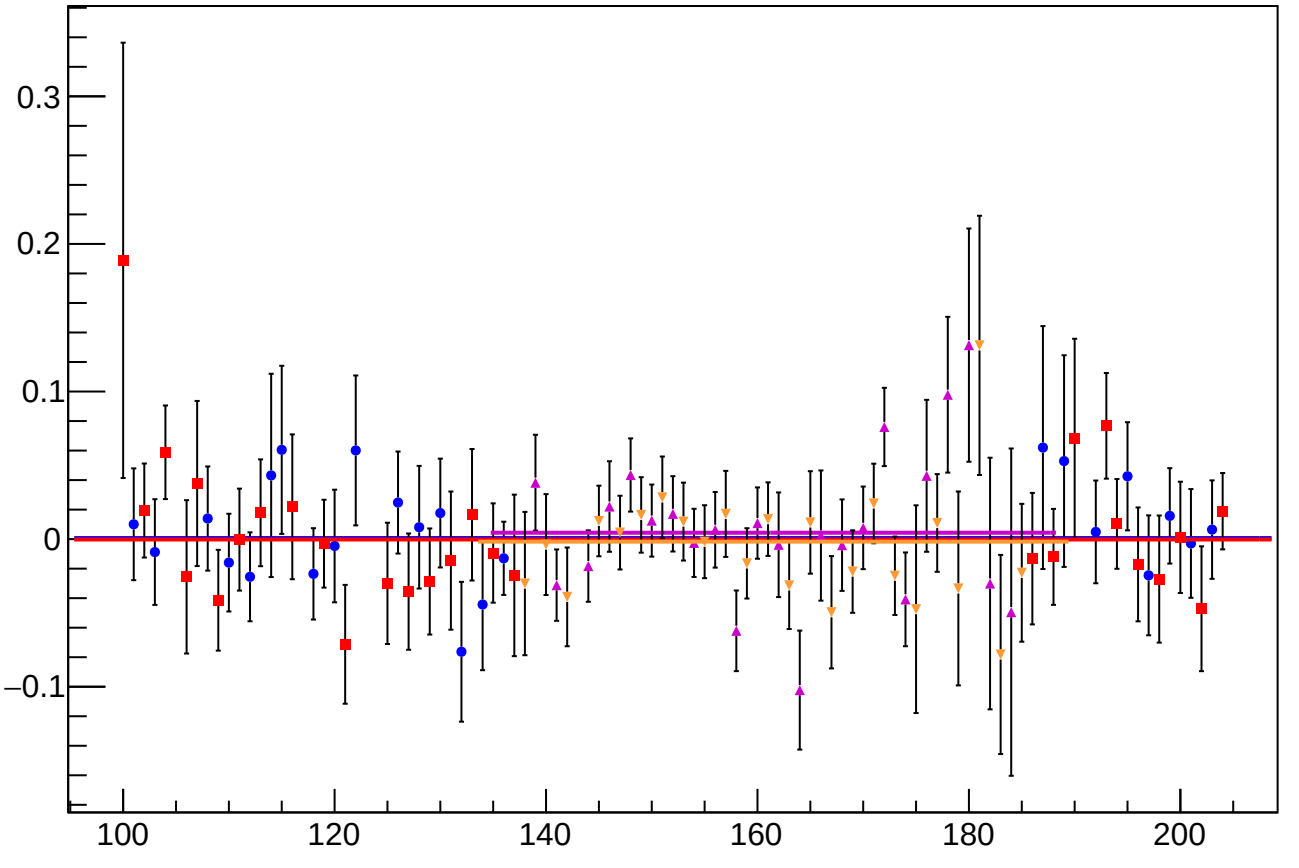
Left: 0.002+/-0.000 χ^2/NDF: 11308615.1/46

Right: 0.001+/-0.000 χ^2/NDF: 25089015.4/51

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

Out: 0.002+/-0.000 χ^2/NDF:23077315.7/51

All: 0.002+/-0.000 χ^2/NDF: 38626687.1/98



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

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

Right Out: -0.000+/-0.007 χ^2/NDF: 22.0/27

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

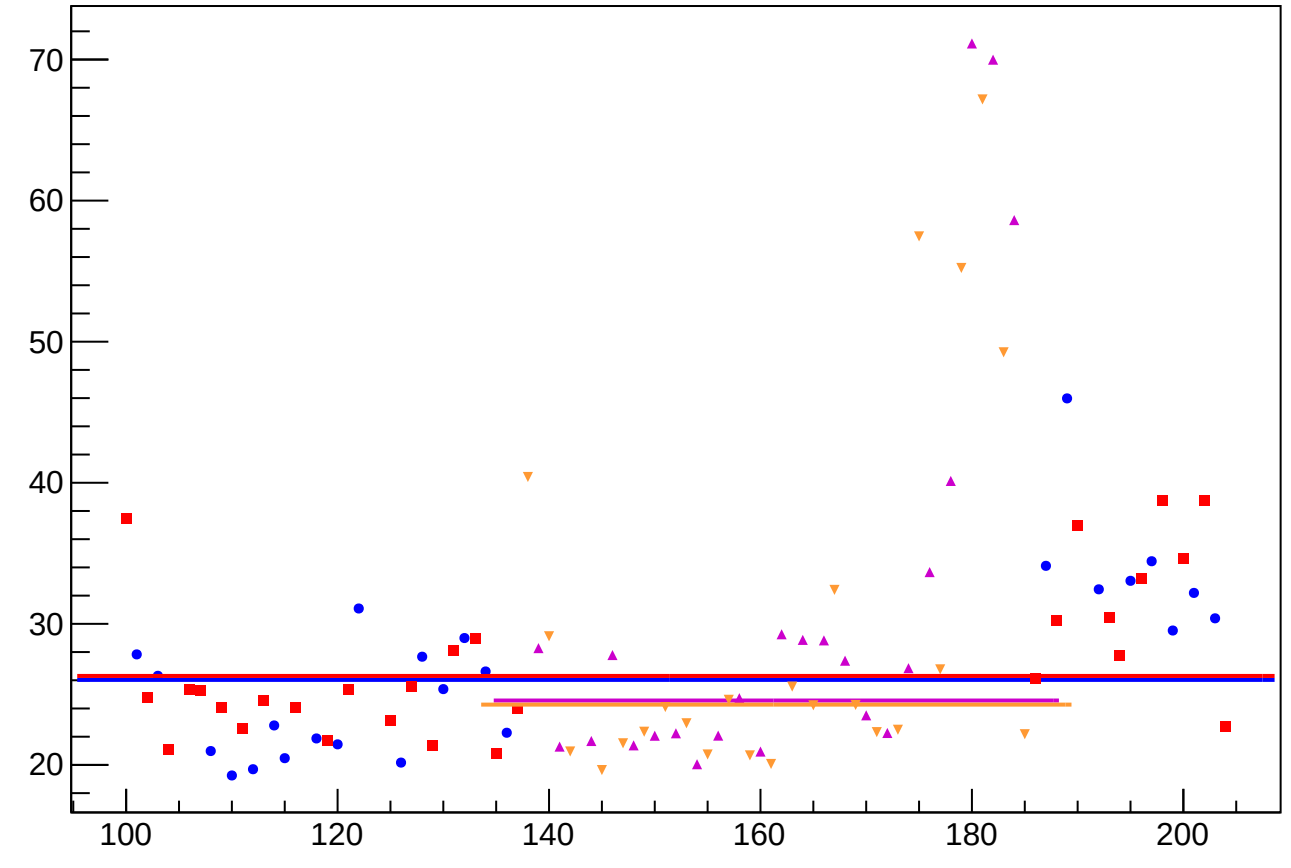
Left: 0.001+/-0.005 χ^2/NDF: 51.6/46

Right: 0.000+/-0.005 χ^2/NDF: 34.6/51

In: 0.003+/-0.005 χ^2/NDF:49.2/46

Out: -0.001+/-0.005 χ^2/NDF:36.7/51

All: 0.001+/-0.003 χ^2/NDF: 86.2/98



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

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

Right Out: 26.307+/-0.005 χ^2/NDF: 930745.4/27

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

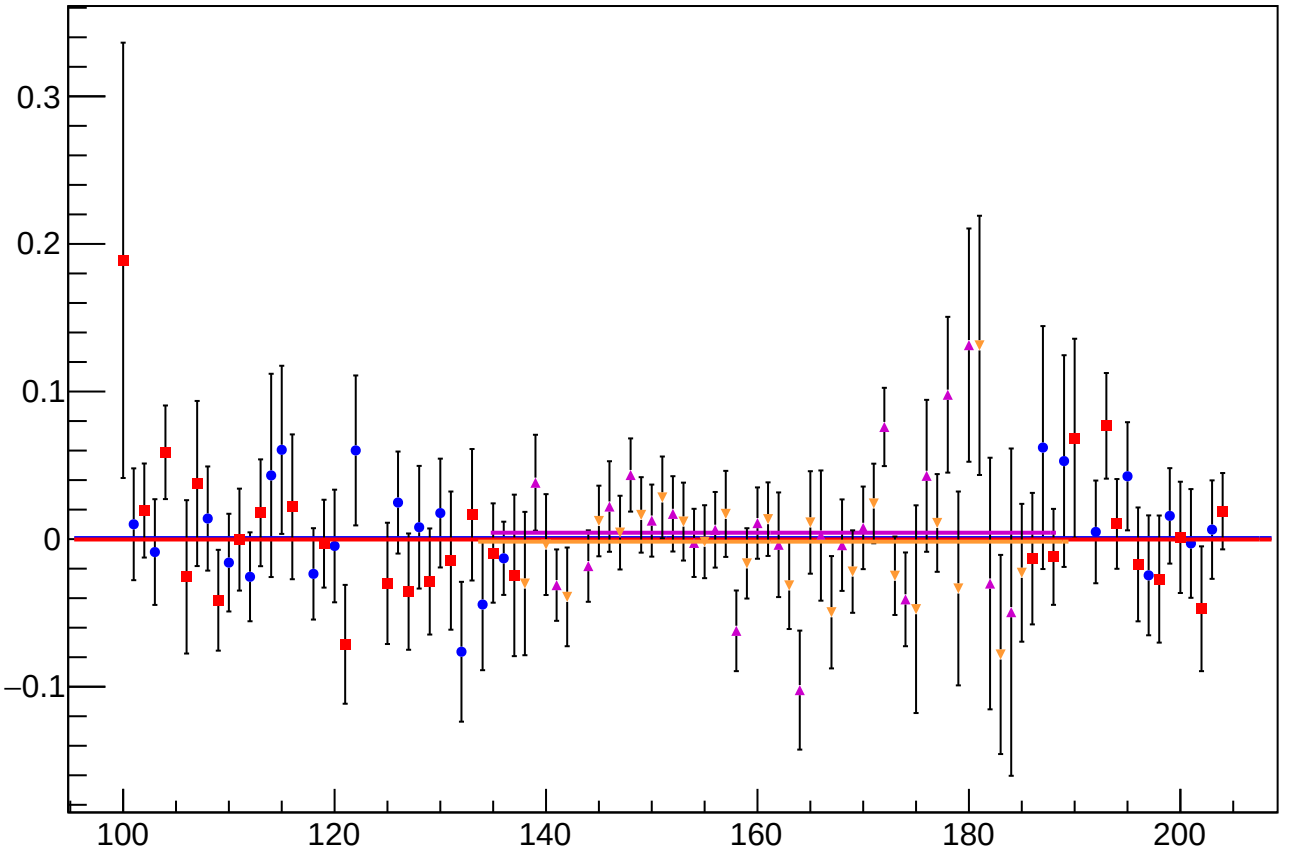
Left: 24.419+/-0.003 χ^2/NDF: 4445544.6/46

Right: 26.175+/-0.004 χ^2/NDF: 1888031.7/51

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

Out: 25.156+/-0.003 χ^2/NDF:3330495.3/51

All: 25.157+/-0.002 χ^2/NDF: 6461666.7/98



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

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

Right Out: -0.000+/-0.007 χ^2/NDF: 22.0/27

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

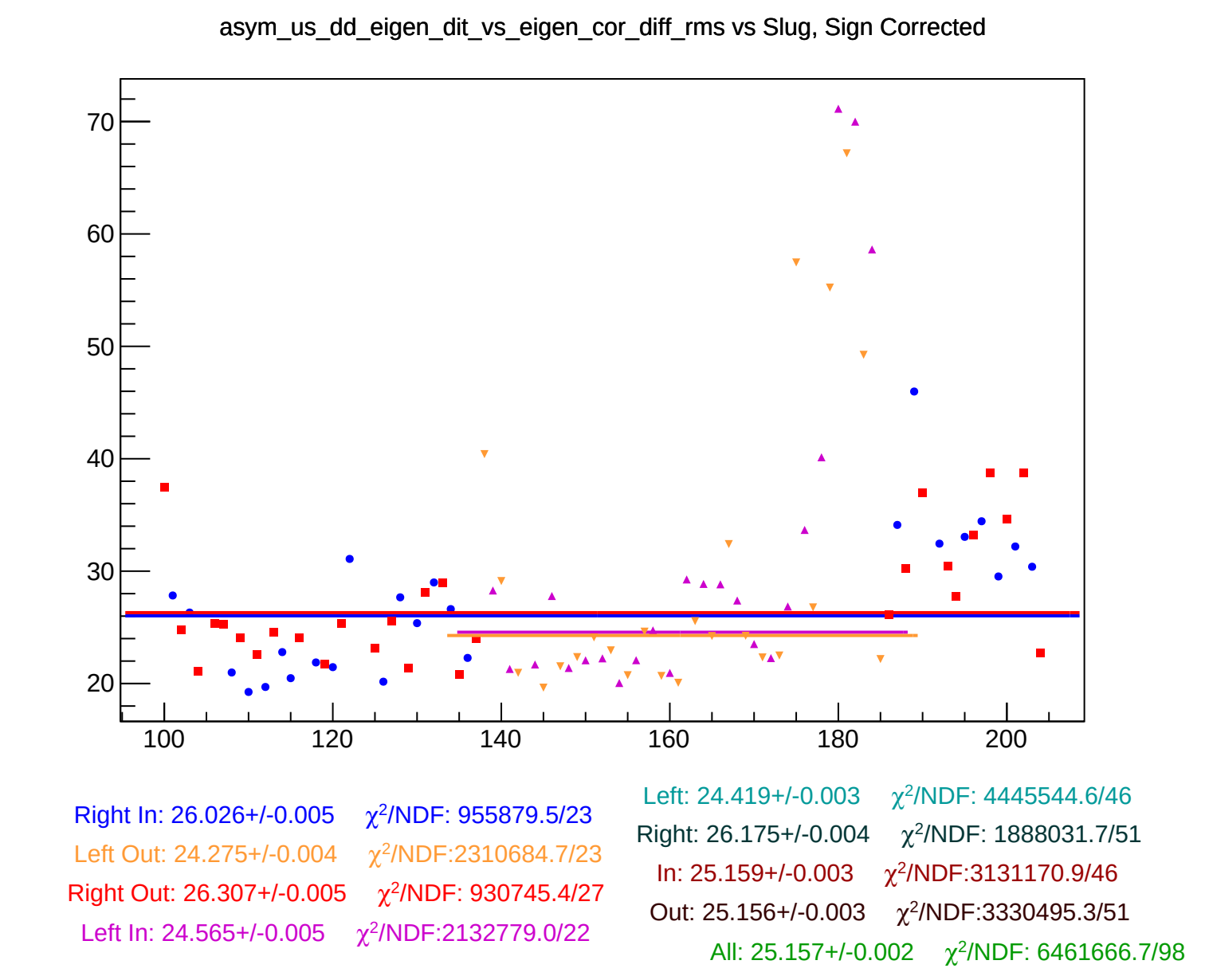
Left: 0.001+/-0.005 χ^2/NDF: 51.6/46

Right: 0.000+/-0.005 χ^2/NDF: 34.6/51

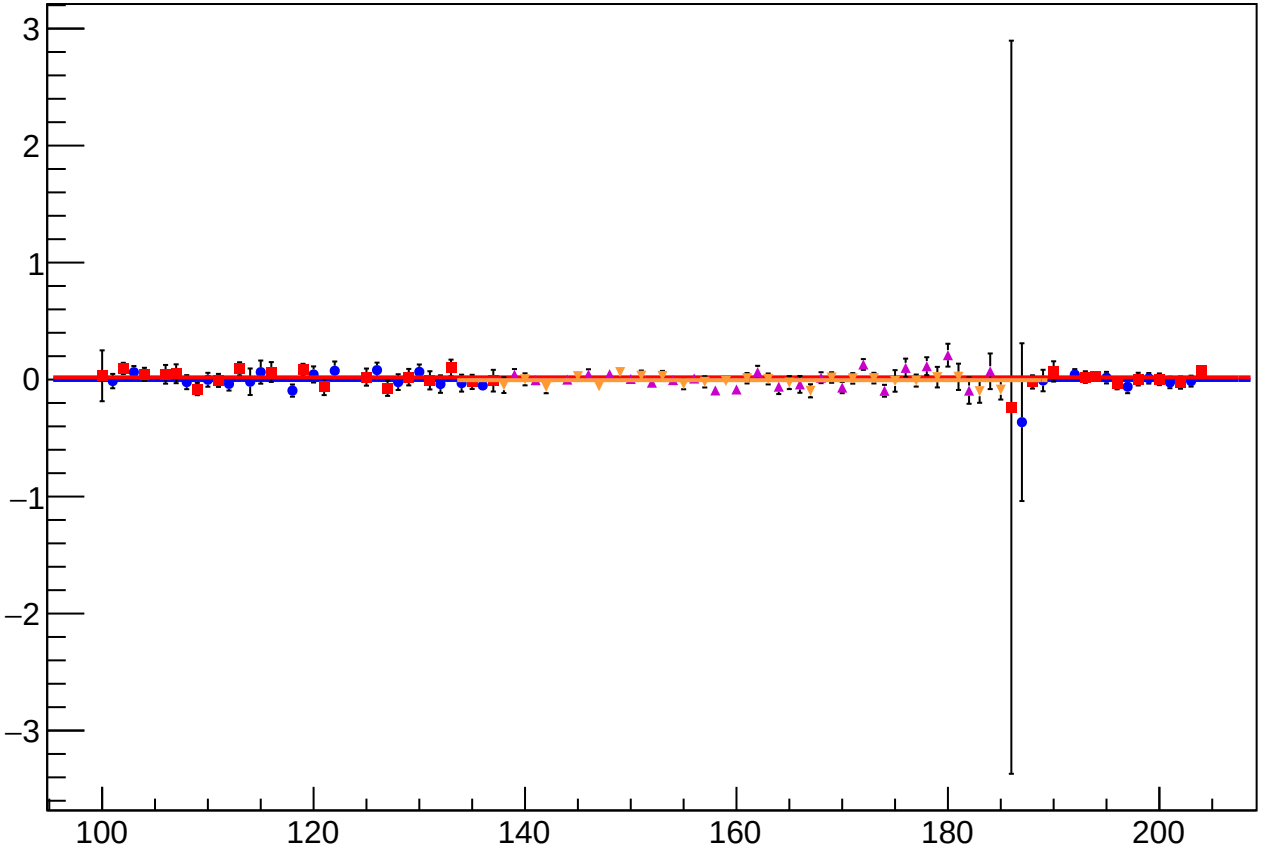
In: 0.003+/-0.005 χ^2/NDF:49.2/46

Out: -0.001+/-0.005 χ^2/NDF:36.7/51

All: 0.001+/-0.003 χ^2/NDF: 86.2/98


asym_us_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
70
60
50
40
30
20
100
120
140
160
180
200
Right In: 26.026+/-0.005 χ²/NDF: 955879.5/23
Left Out: 24.275+/-0.004 χ²/NDF:2310684.7/23
Right Out: 26.307+/-0.005 χ²/NDF: 930745.4/27
Left In: 24.565+/-0.005 χ²/NDF:2132779.0/22
Left: 24.419+/-0.003 χ²/NDF: 4445544.6/46
Right: 26.175+/-0.004 χ²/NDF: 1888031.7/51
In: 25.159+/-0.003 χ²/NDF:3131170.9/46
Out: 25.156+/-0.003 χ²/NDF:3330495.3/51
All: 25.157+/-0.002 χ²/NDF: 6461666.7/98

asym_us_dd_eigen_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected



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

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

Right Out: 0.019+/-0.011 χ^2/NDF: 20.0/27

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

Left: -0.002+/-0.007 χ^2/NDF: 51.9/46

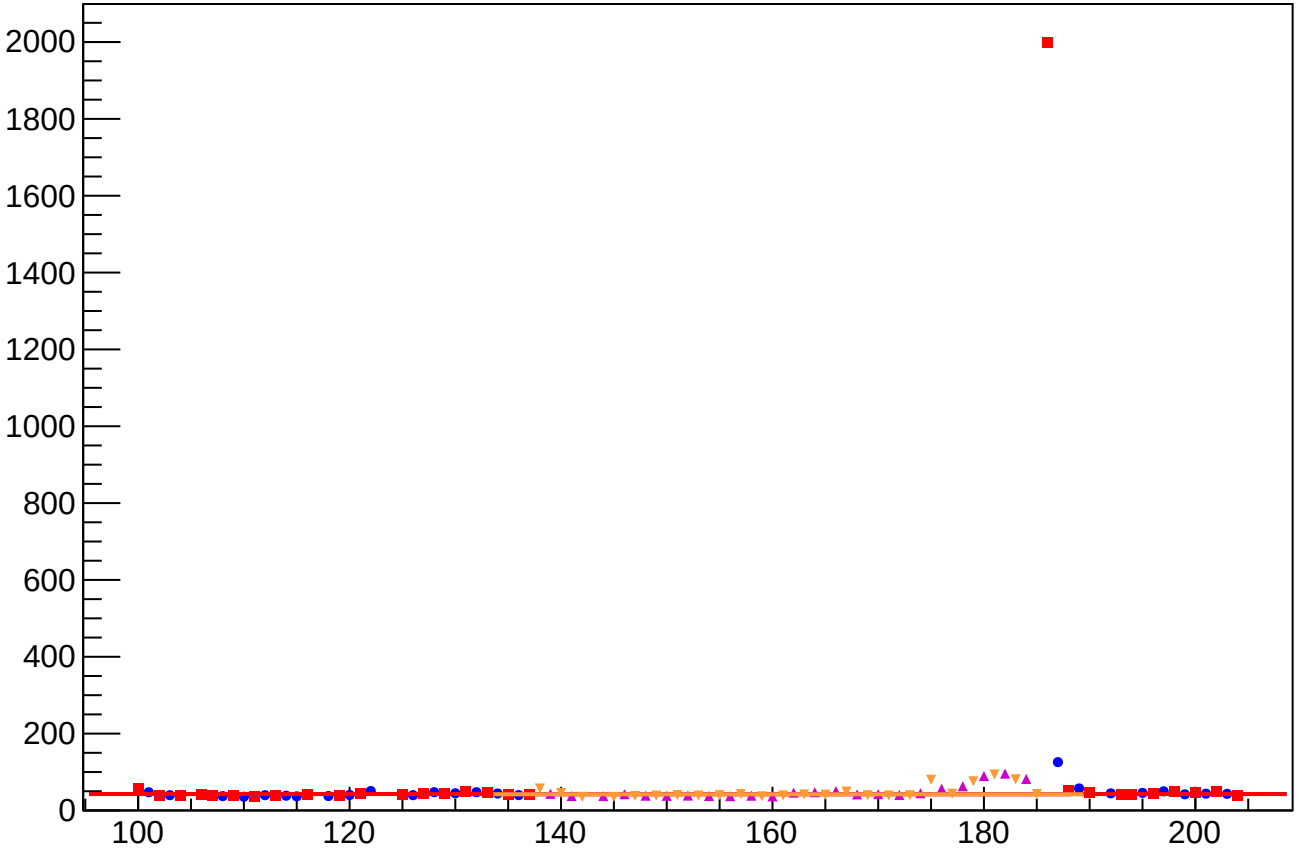
Right: 0.009+/-0.008 χ^2/NDF: 36.2/51

In: -0.001+/-0.008 χ^2/NDF:52.5/46

Out: 0.006+/-0.008 χ^2/NDF:36.3/51

All: 0.002+/-0.006 χ^2/NDF: 89.2/98

asym_us_dd_eigen_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



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

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

Right Out: 42.697+/-0.008 χ^2/NDF: 1045487.2/27

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

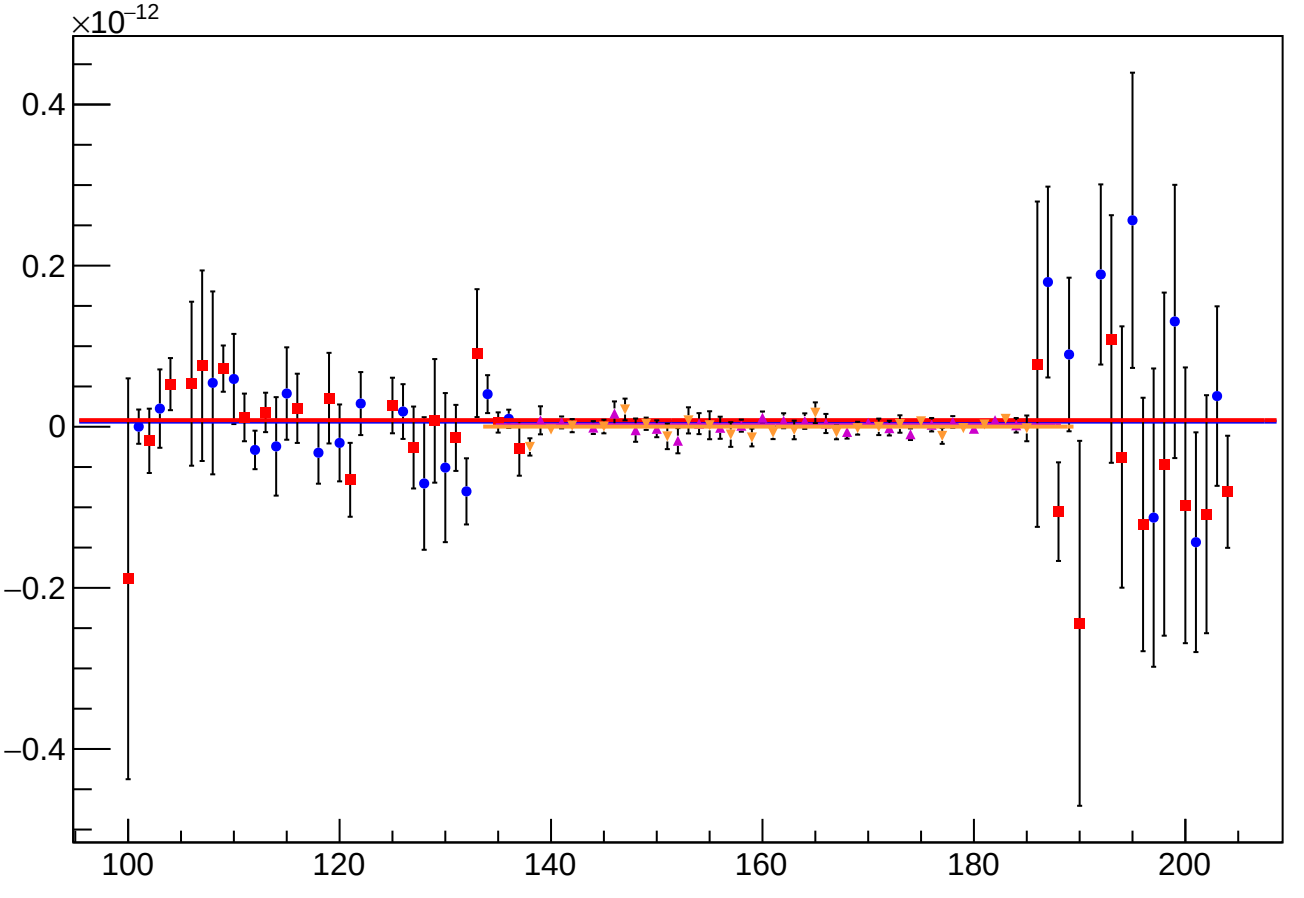
Left: 42.083+/-0.005 χ^2/NDF: 3259520.0/46

Right: 42.746+/-0.006 χ^2/NDF: 1322828.5/51

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

Out: 42.363+/-0.005 χ^2/NDF:2764615.6/51

All: 42.372+/-0.004 χ^2/NDF: 4589441.3/98



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

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

Right Out: 0.000+/-0.000 χ^2/NDF: 23.5/27

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

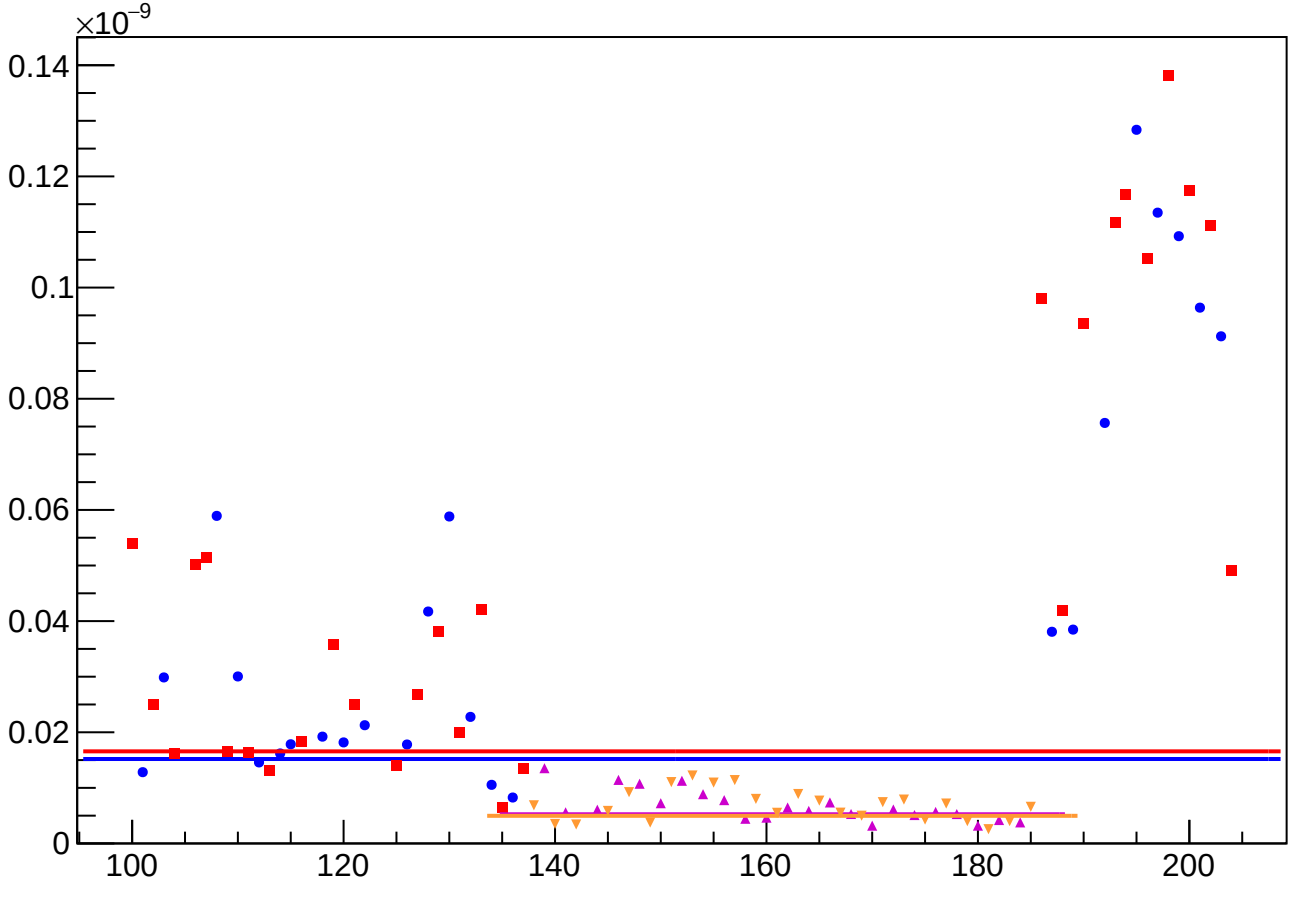
Left: 0.000+/-0.000 χ^2/NDF: 33.5/46

Right: 0.000+/-0.000 χ^2/NDF: 46.9/51

In: 0.000+/-0.000 χ^2/NDF:35.5/46

Out: 0.000+/-0.000 χ^2/NDF:45.7/51

All: 0.000+/-0.000 χ^2/NDF: 81.7/98



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

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

Right Out: 0.000+/-0.000 χ^2/NDF: 8324029.1/27

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

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

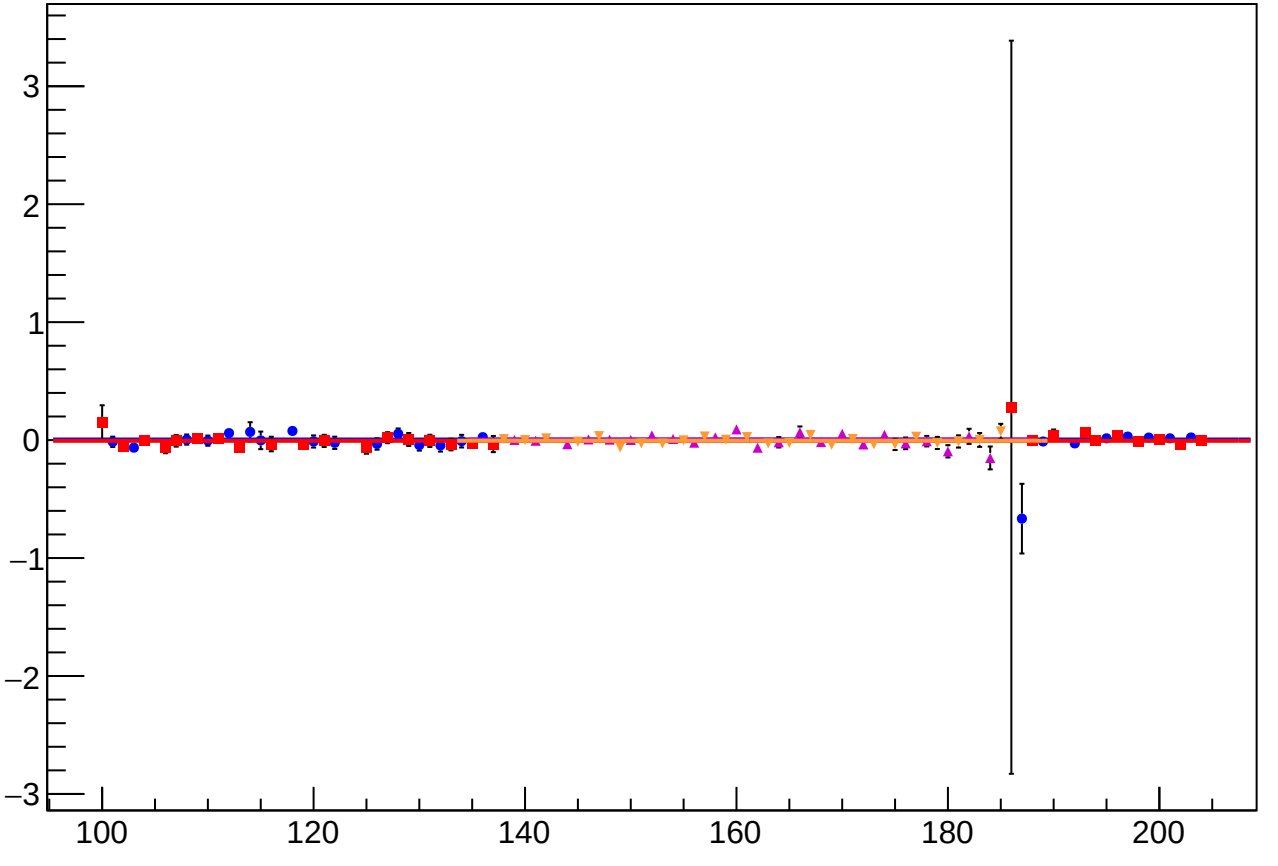
Right: 0.000+/-0.000 χ^2/NDF: 14998988.6/51

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

Out: 0.000+/-0.000 χ^2/NDF:16280834.8/51

All: 0.000+/-0.000 χ^2/NDF: 29097179.5/98

asym_us_dd_overload_cor_vs_cor_diff_mean vs Slug, Sign Corrected



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

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

Right Out: -0.006+/-0.007 χ^2/NDF: 22.3/27

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

Left: -0.001+/-0.005 χ^2/NDF: 48.8/46

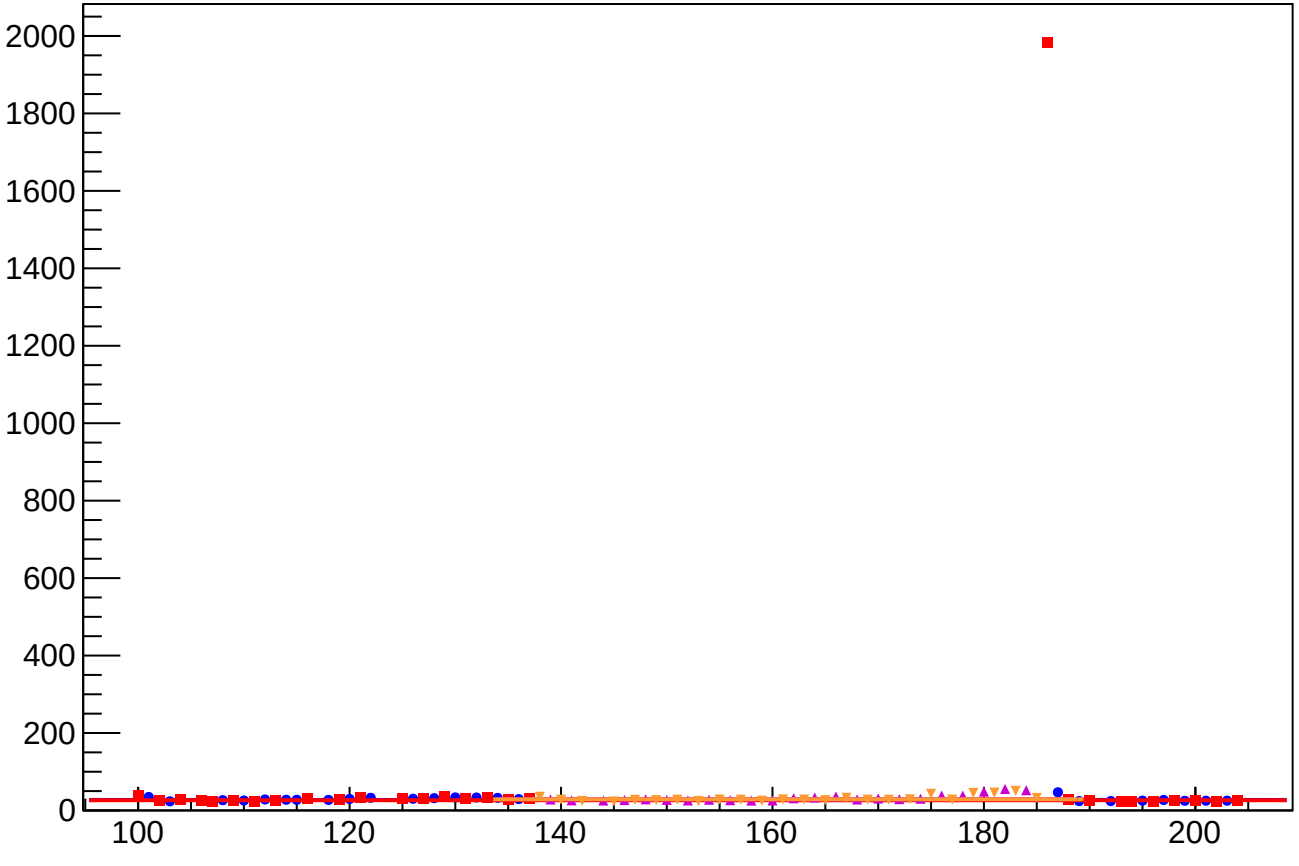
Right: -0.001+/-0.005 χ^2/NDF: 47.5/51

In: 0.004+/-0.005 χ^2/NDF:55.3/46

Out: -0.006+/-0.005 χ^2/NDF:39.1/51

All: -0.001+/-0.004 χ^2/NDF: 96.3/98

asym_us_dd_overload_cor_vs_cor_diff_rms vs Slug, Sign Corrected



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

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

Right Out: 26.395+/-0.005 χ^2/NDF: 1105717.2/27

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

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

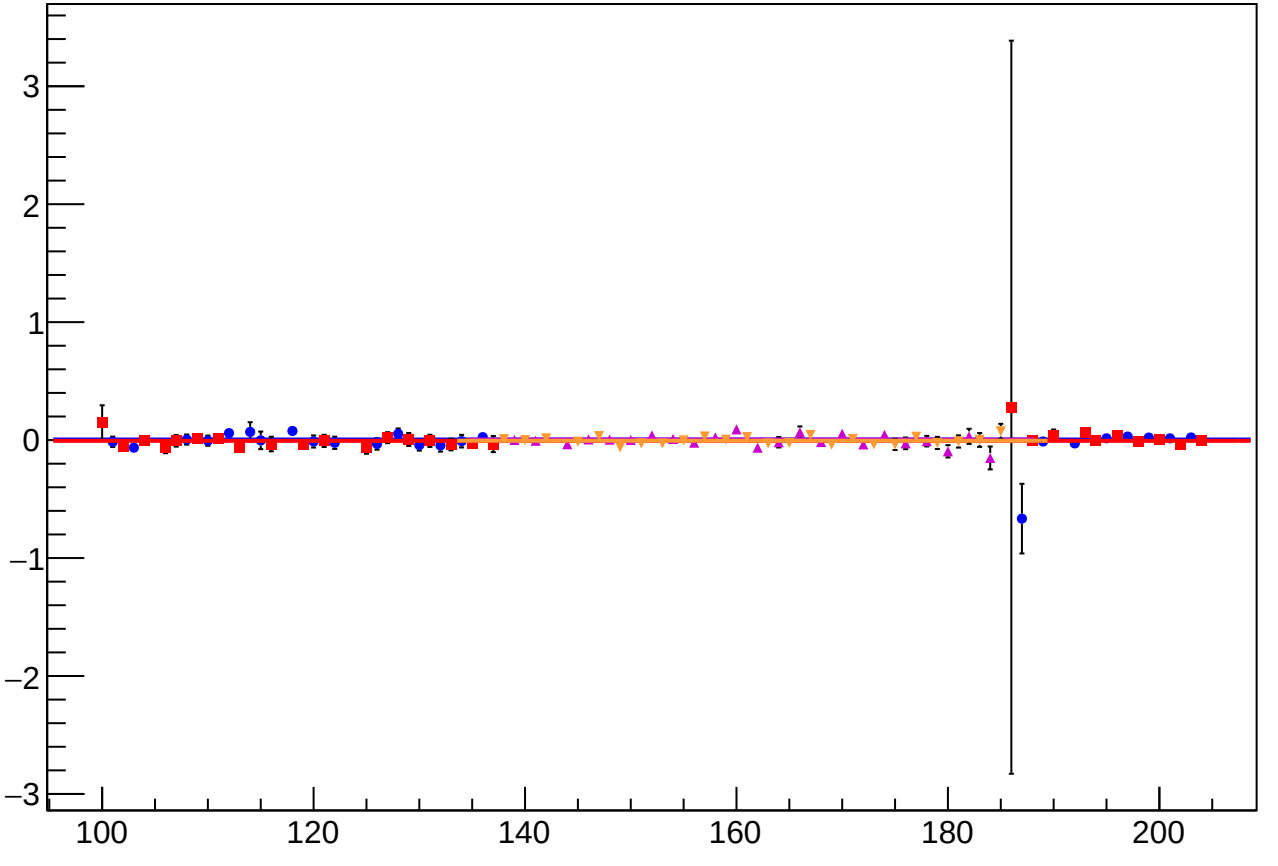
Right: 26.730+/-0.004 χ^2/NDF: 1442039.6/51

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

Out: 27.617+/-0.004 χ^2/NDF:2387816.9/51

All: 27.933+/-0.003 χ^2/NDF: 3952296.5/98

asym_us_dd_overload_cor_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

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

Right Out: -0.006+/-0.007 χ^2/NDF: 22.3/27

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

Left: -0.001+/-0.005 χ^2/NDF: 48.8/46

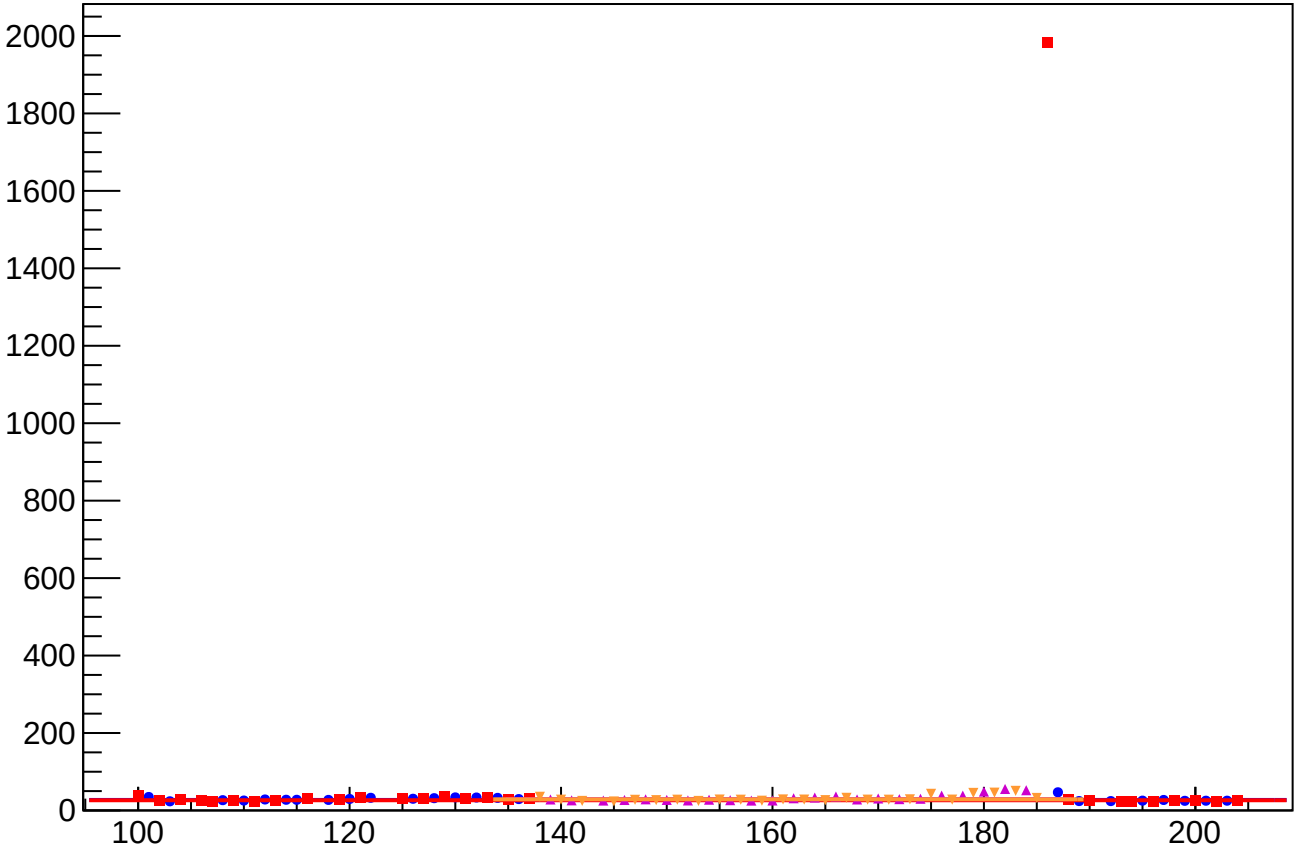
Right: -0.001+/-0.005 χ^2/NDF: 47.5/51

In: 0.004+/-0.005 χ^2/NDF:55.3/46

Out: -0.006+/-0.005 χ^2/NDF:39.1/51

All: -0.001+/-0.004 χ^2/NDF: 96.3/98

asym_us_dd_overload_cor_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

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

Right Out: 26.395+/-0.005 χ^2/NDF: 1105717.2/27

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

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

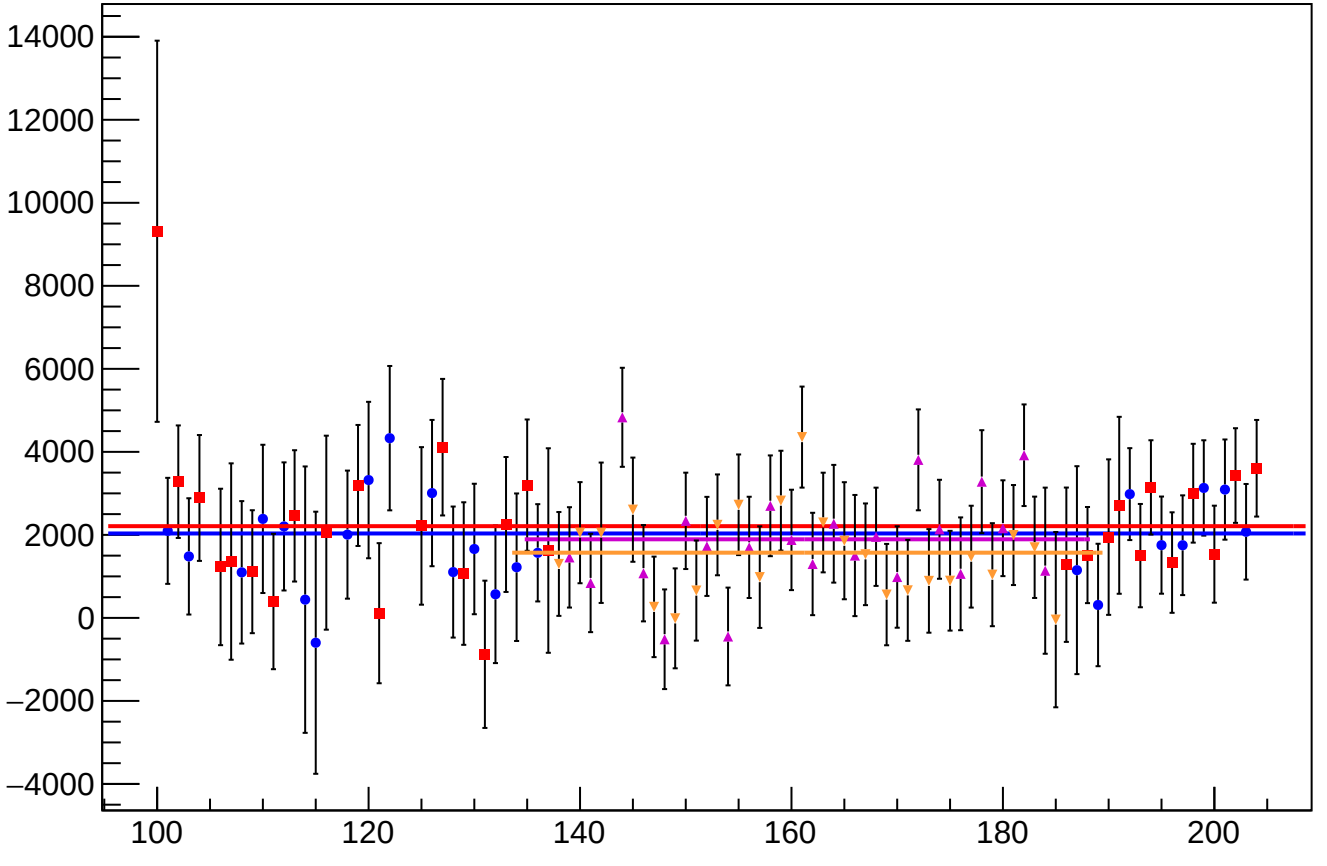
Right: 26.730+/-0.004 χ^2/NDF: 1442039.6/51

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

Out: 27.617+/-0.004 χ^2/NDF:2387816.9/51

All: 27.933+/-0.003 χ^2/NDF: 3952296.5/98

reg_asym_usl_mean vs Slug, Sign Corrected



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

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

Right Out: 2209.886+/-282.168 χ^2/NDF: 18.3/28

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

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

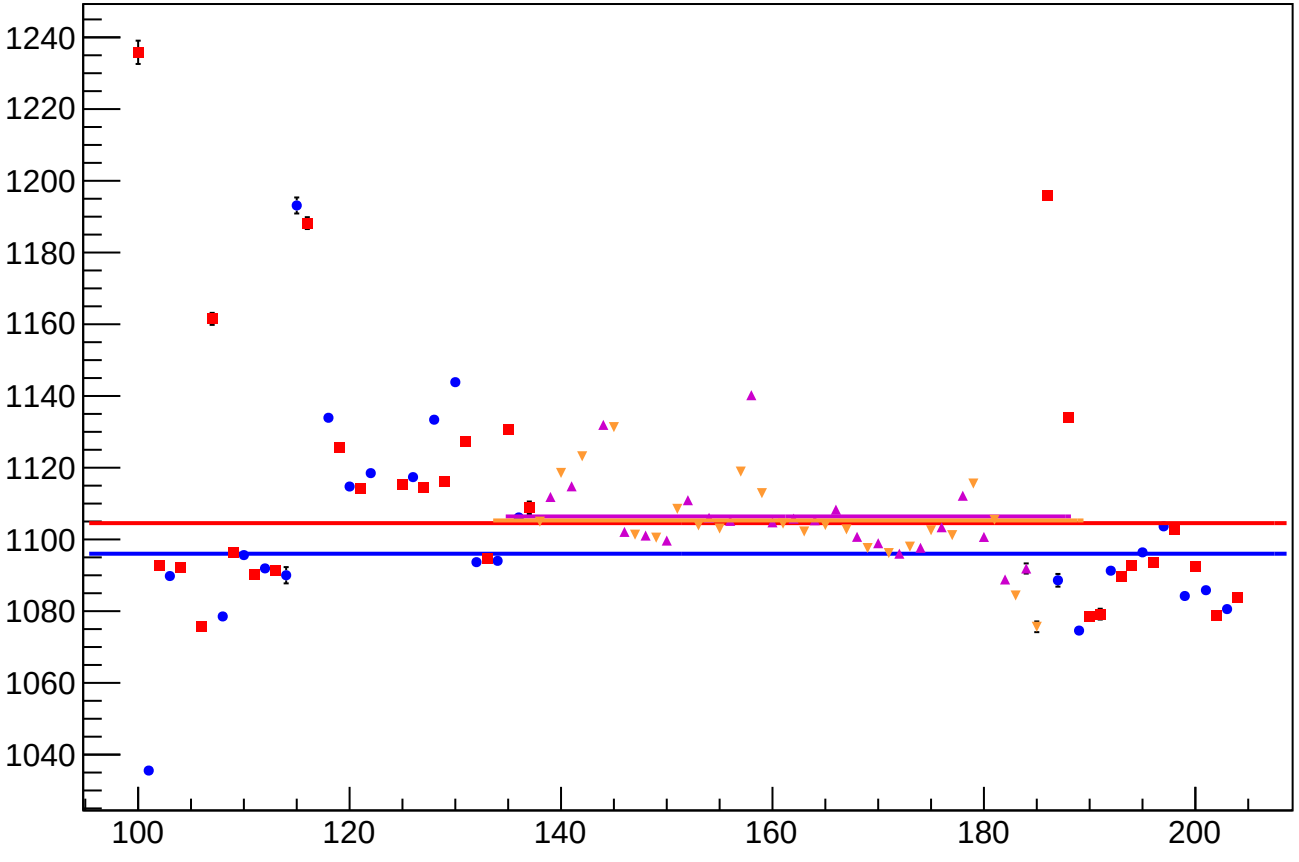
Right: 2127.658+/-205.940 χ^2/NDF: 28.0/52

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

Out: 1860.143+/-189.815 χ^2/NDF:36.4/52

All: 1905.019+/-136.389 χ^2/NDF: 70.3/99

reg_asym_usl_rms vs Slug, Sign Corrected



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

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

Right Out: 1104.546+/-0.200 χ^2/NDF: 17485.7/28

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

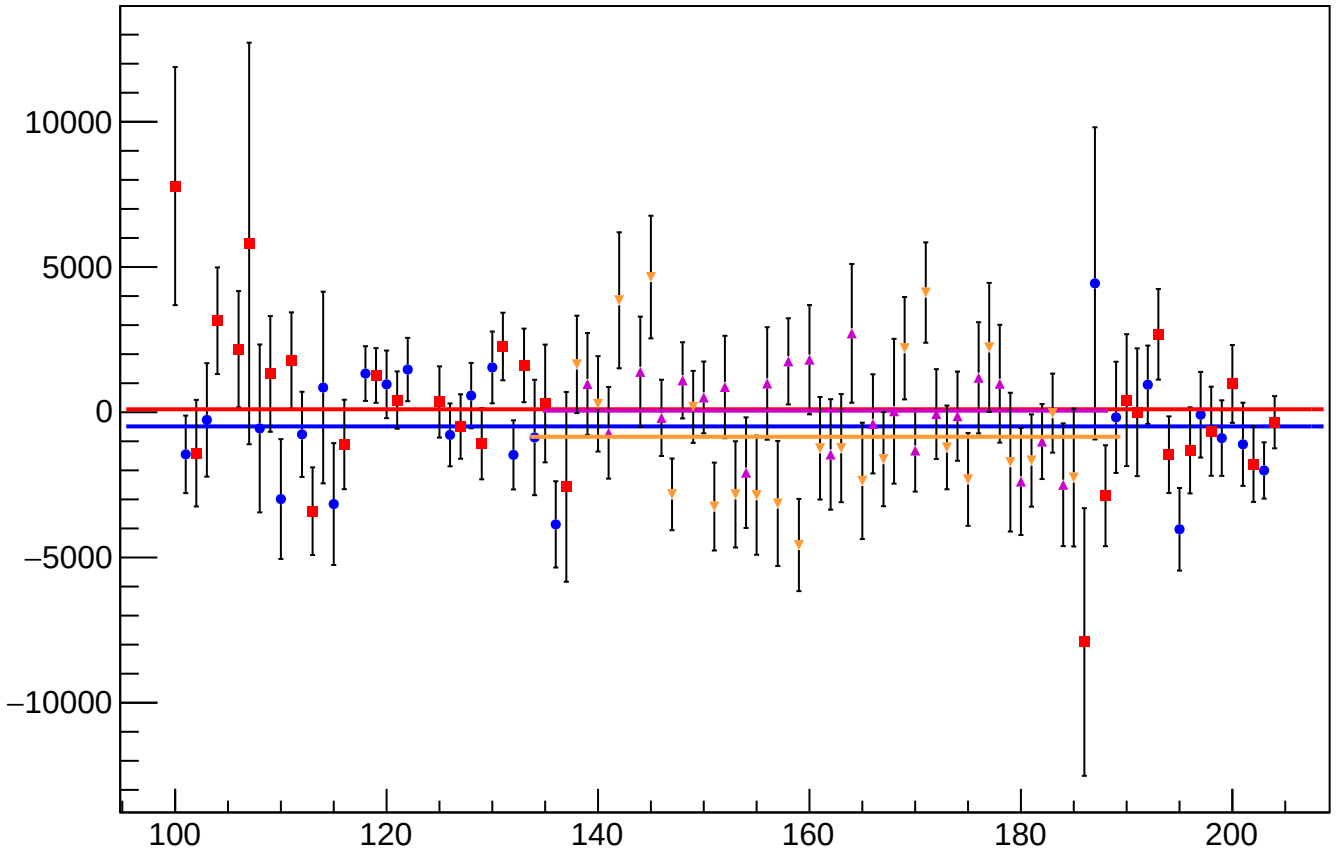
Left: 1105.846+/-0.129 χ^2/NDF: 6956.8/46

Right: 1100.560+/-0.146 χ^2/NDF: 31414.4/52

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

Out: 1104.955+/-0.134 χ^2/NDF:20655.2/52

All: 1103.527+/-0.096 χ^2/NDF: 39110.8/99



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

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

Right Out: 102.607+/-272.949 χ^2/NDF: 38.6/28

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

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

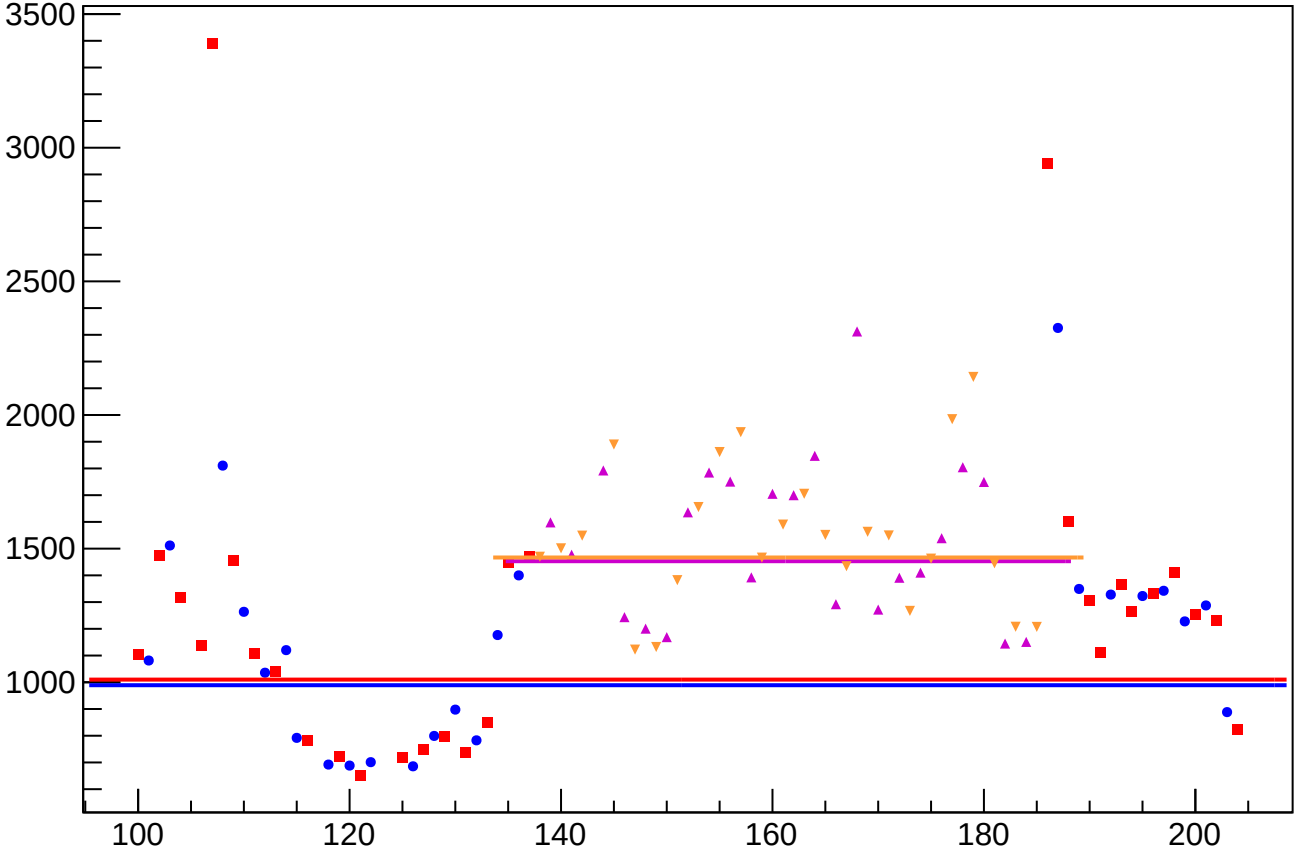
Right: -179.698+/-197.039 χ^2/NDF: 73.7/52

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

Out: -259.020+/-214.615 χ^2/NDF:87.4/52

All: -263.565+/-153.573 χ^2/NDF: 134.7/99

asym_usl_reg_correction_rms vs Slug, Sign Corrected



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

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

Right Out: 1010.002+/-0.193 χ^2/NDF: 2830485.1/28

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

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

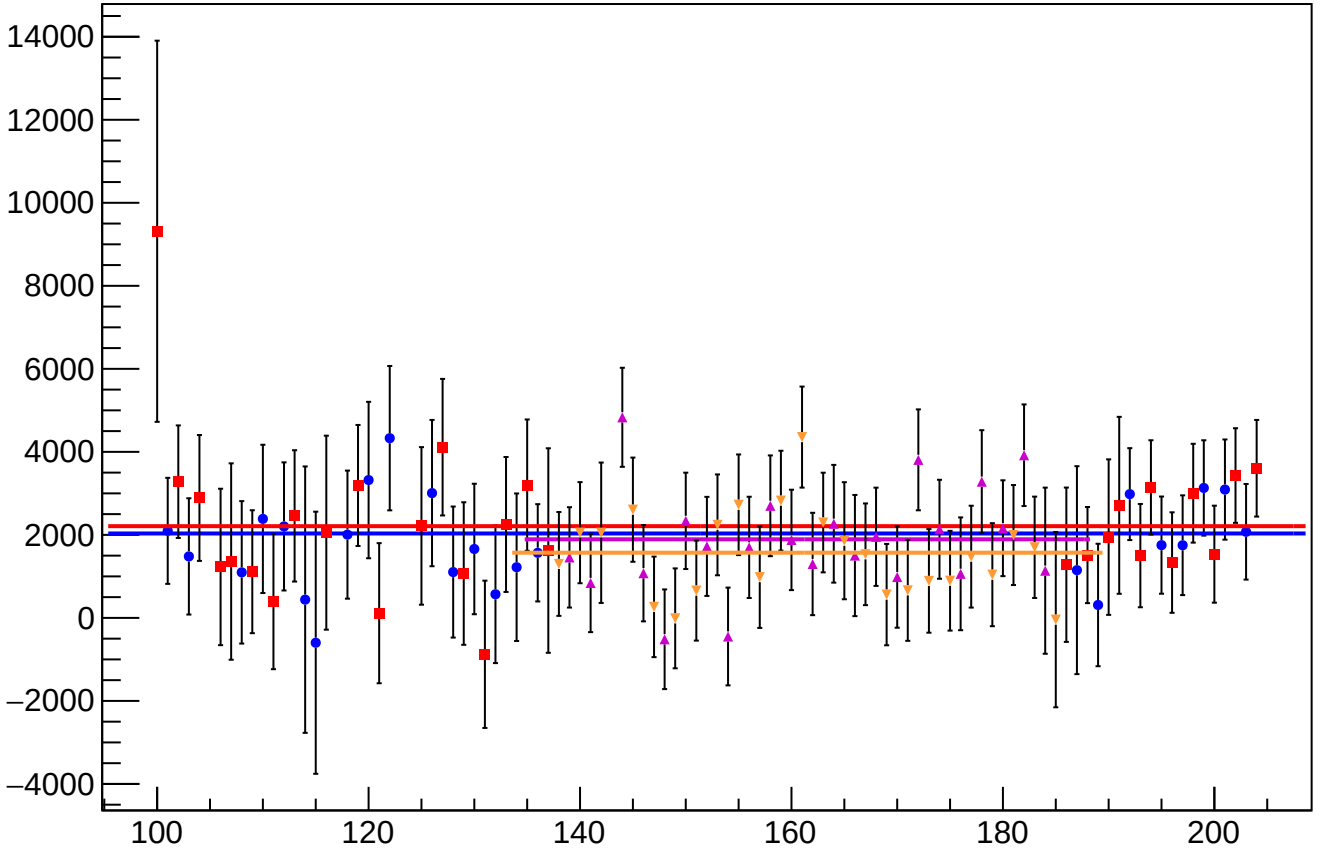
Right: 999.949+/-0.139 χ^2/NDF: 4858602.3/52

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

Out: 1184.407+/-0.152 χ^2/NDF:6012718.2/52

All: 1180.488+/-0.109 χ^2/NDF: 11310629.8/9

cor_asym_usl_mean vs Slug, Sign Corrected



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

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

Right Out: 2209.878+/-282.168 χ^2/NDF: 18.3/28

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

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

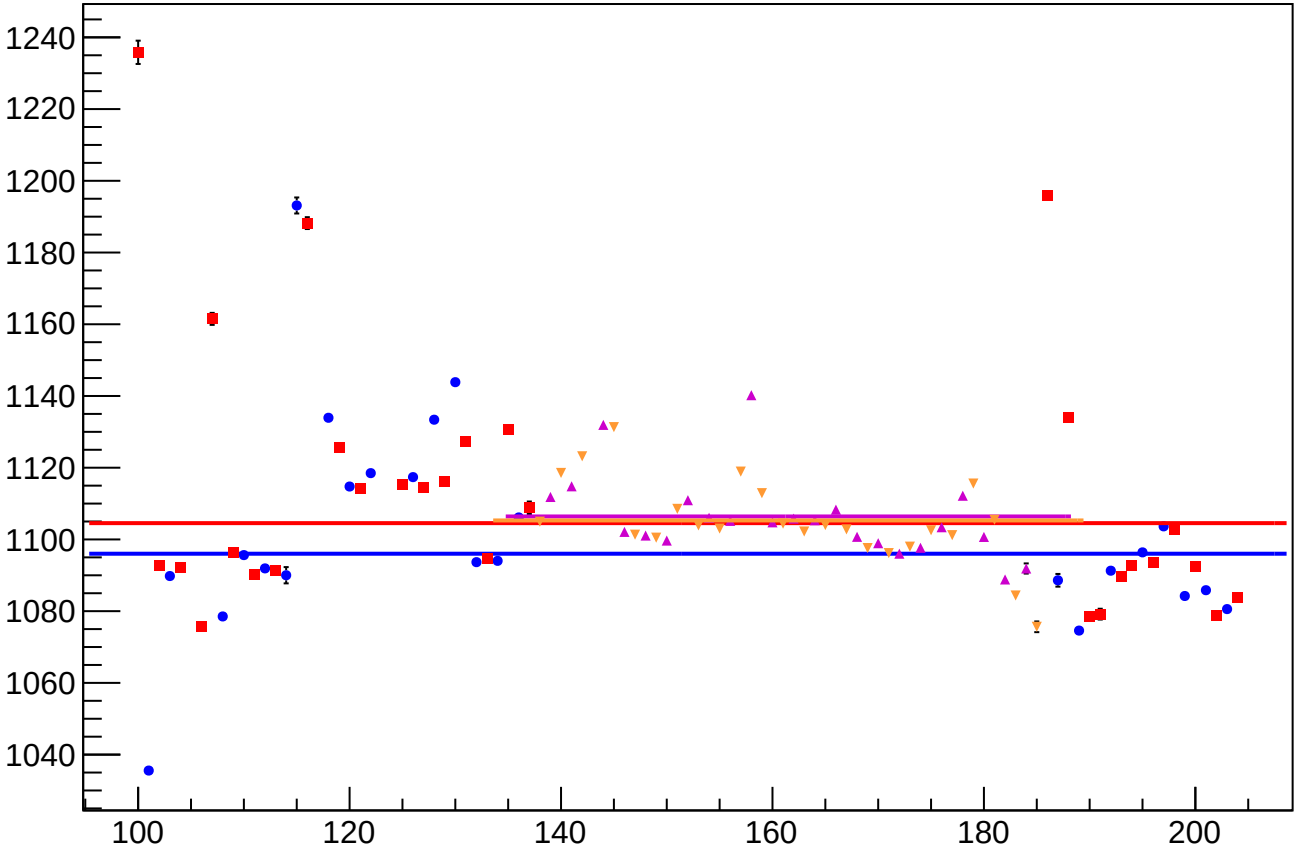
Right: 2127.653+/-205.940 χ^2/NDF: 28.0/52

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

Out: 1860.139+/-189.815 χ^2/NDF:36.4/52

All: 1905.017+/-136.389 χ^2/NDF: 70.3/99

cor_asym_usl_rms vs Slug, Sign Corrected



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

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

Right Out: 1104.546+/-0.200 χ^2/NDF: 17485.7/28

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

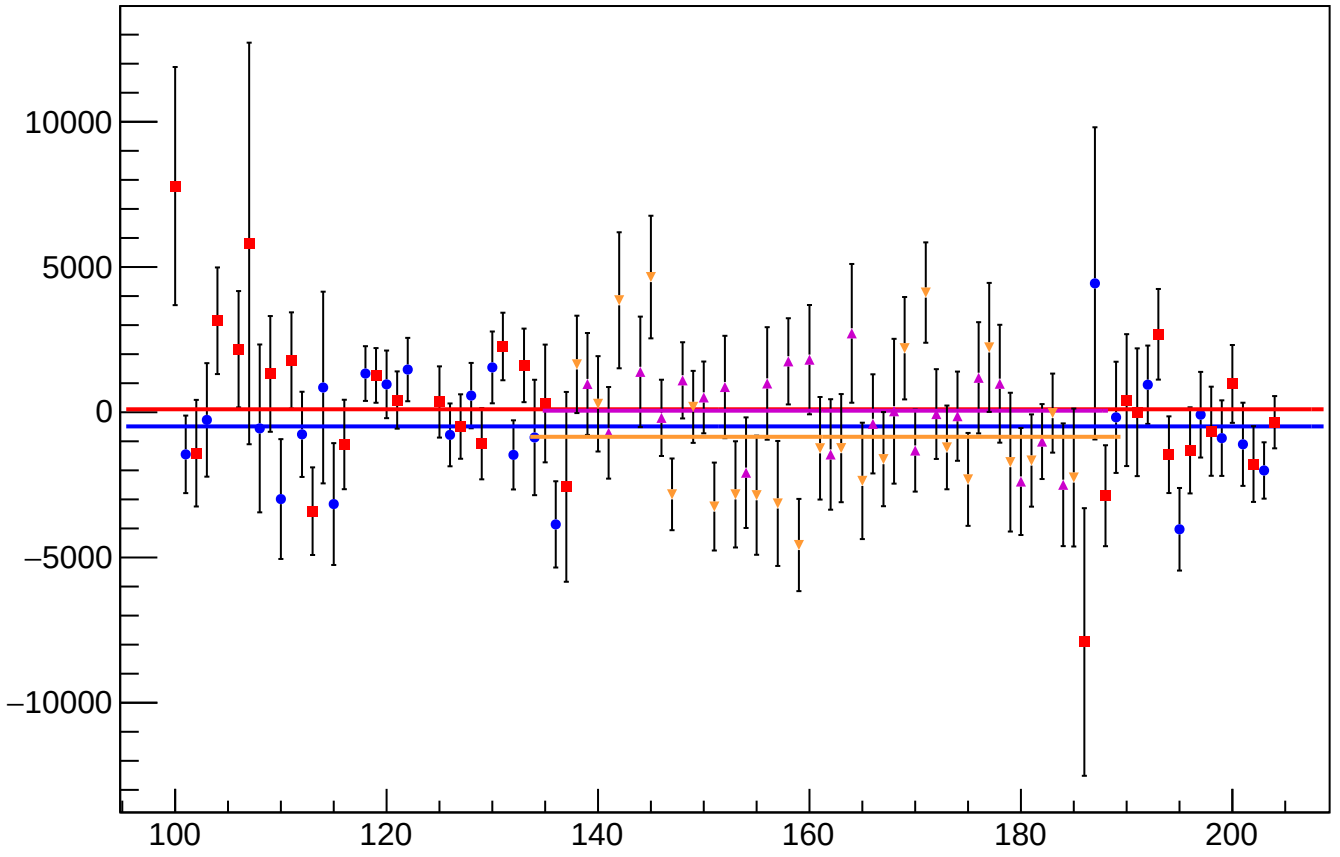
Left: 1105.846+/-0.129 χ^2/NDF: 6956.8/46

Right: 1100.560+/-0.146 χ^2/NDF: 31414.4/52

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

Out: 1104.955+/-0.134 χ^2/NDF:20655.2/52

All: 1103.527+/-0.096 χ^2/NDF: 39110.8/99



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

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

Right Out: 102.607+/-272.949 χ^2/NDF: 38.6/28

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

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

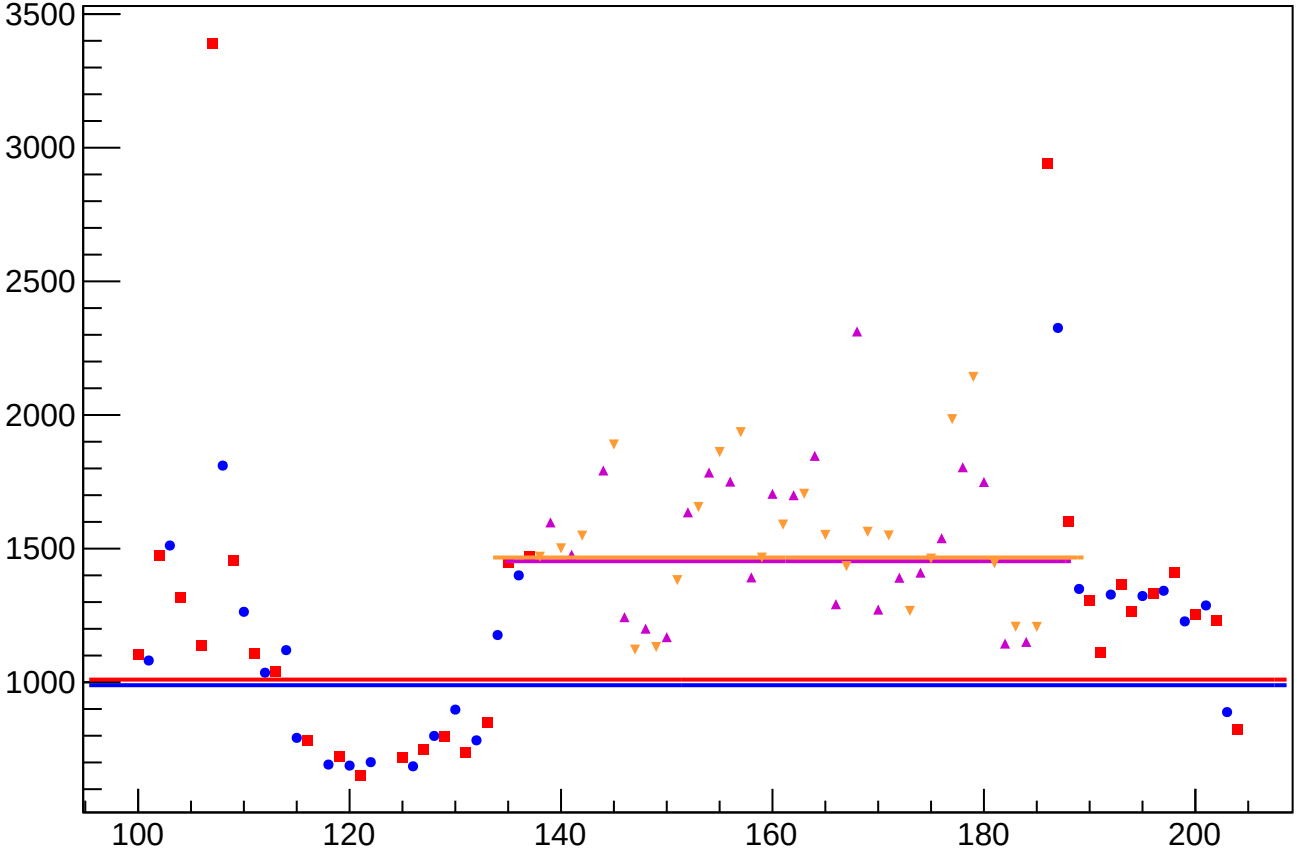
Right: -179.698+/-197.039 χ^2/NDF: 73.7/52

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

Out: -259.020+/-214.615 χ^2/NDF:87.4/52

All: -263.565+/-153.573 χ^2/NDF: 134.7/99

asym_usl_cor_correction_rms vs Slug, Sign Corrected



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

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

Right Out: 1010.001+/-0.193 χ^2/NDF: 2830484.1/28

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

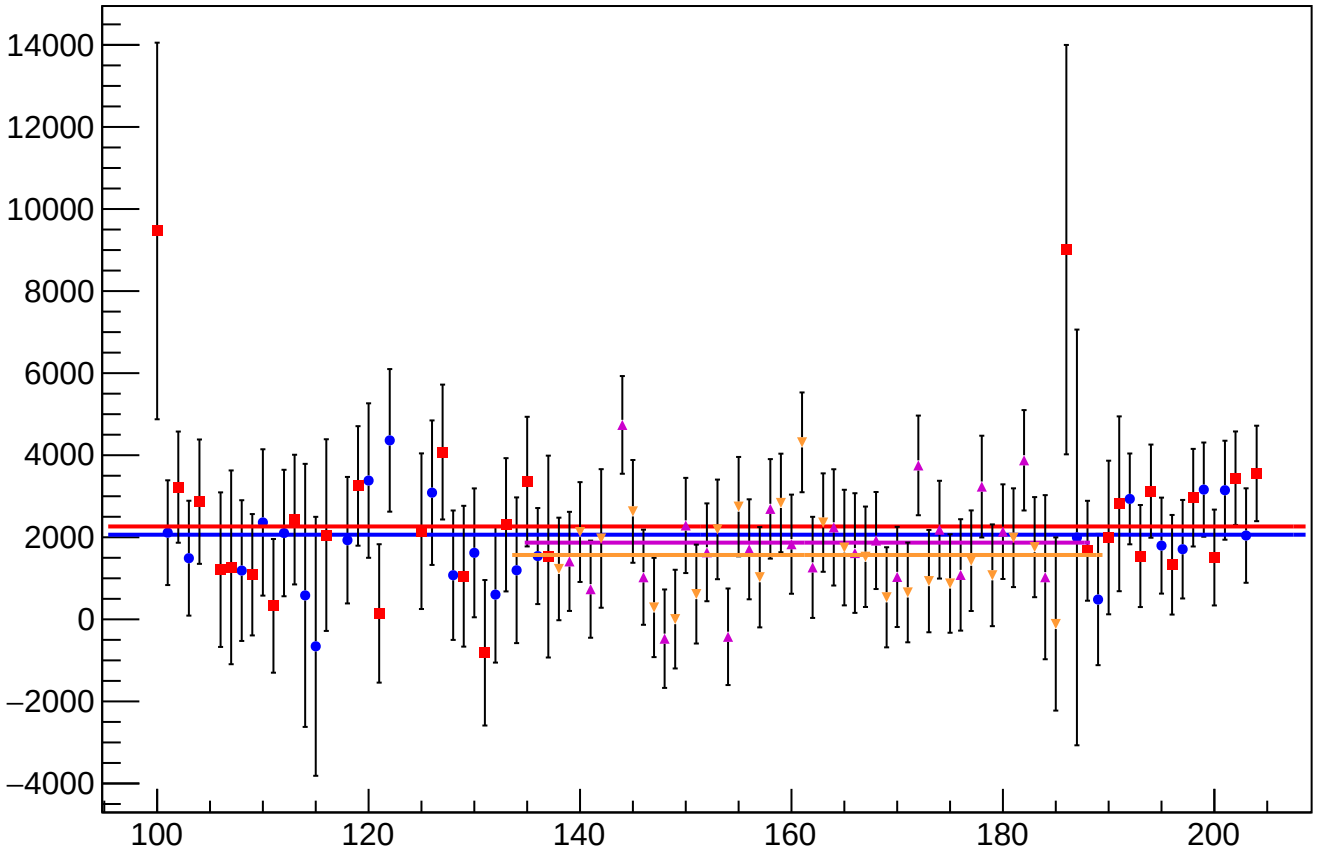
Left: 1459.887+/-0.173 χ^2/NDF: 2174470.2/46

Right: 999.949+/-0.139 χ^2/NDF: 4858601.2/52

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

Out: 1184.407+/-0.152 χ^2/NDF:6012719.0/52

All: 1180.488+/-0.109 χ^2/NDF: 11310630.6/9



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

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

Right Out: 2263.733+/-285.690 χ^2/NDF: 19.7/28

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

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

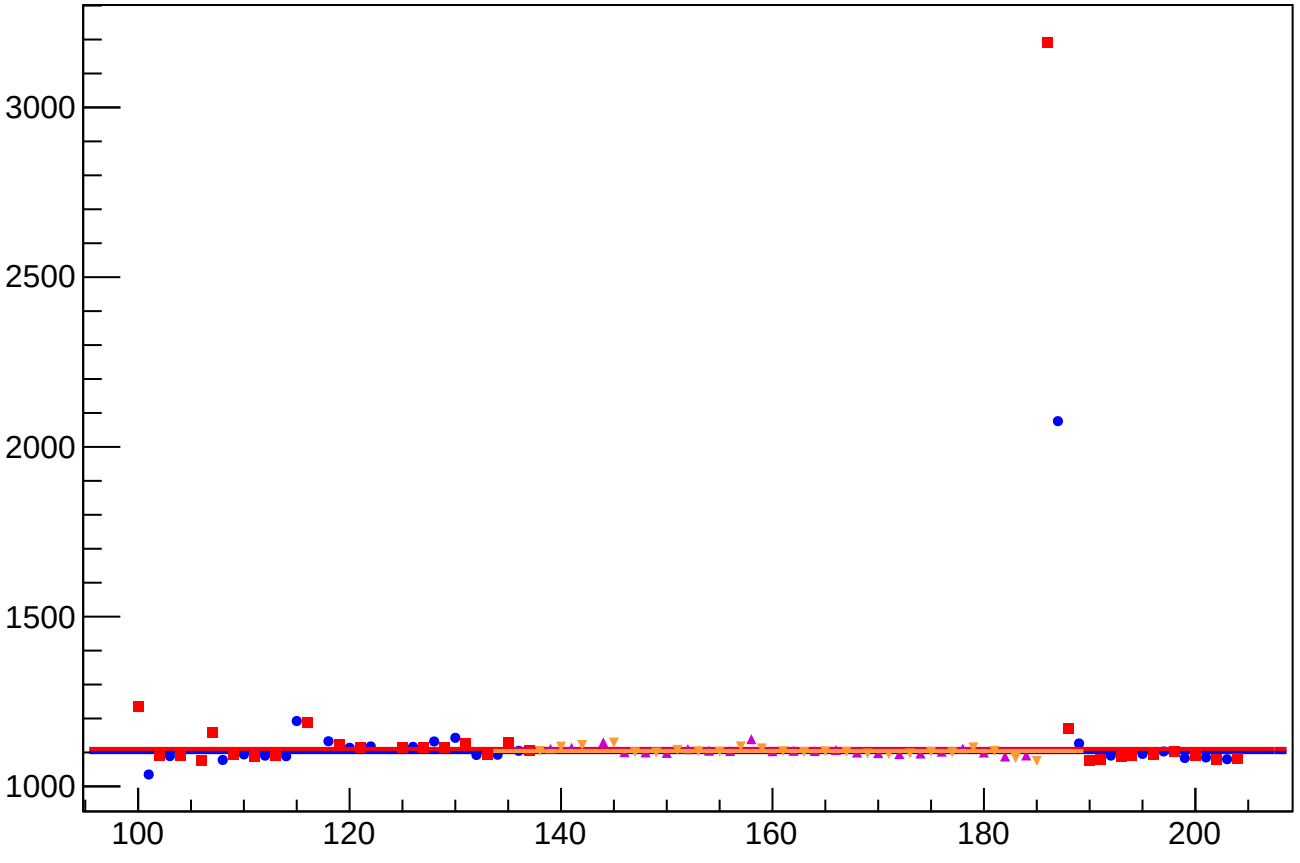
Right: 2169.291+/-208.076 χ^2/NDF: 29.1/52

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

Out: 1878.677+/-190.776 χ^2/NDF:38.4/52

All: 1913.450+/-136.932 χ^2/NDF: 71.3/99

overload_cor_asym_usl_rms vs Slug, Sign Corrected



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

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

Right Out: 1110.504+/-0.202 χ^2/NDF: 366179.9/28

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

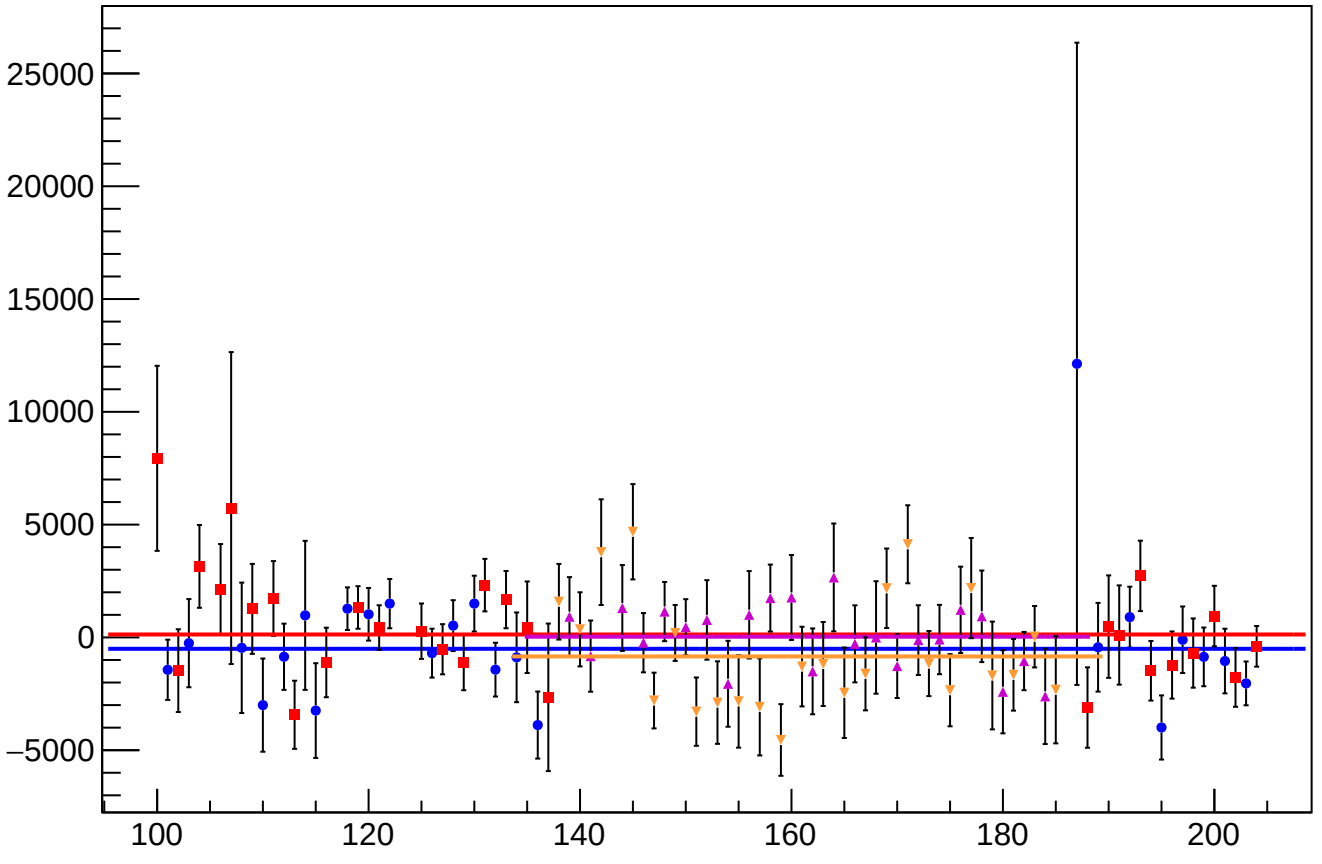
Left: 1104.815+/-0.129 χ^2/NDF: 6679.3/46

Right: 1105.978+/-0.147 χ^2/NDF: 454822.3/52

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

Out: 1107.043+/-0.135 χ^2/NDF:369708.7/52

All: 1105.319+/-0.097 χ^2/NDF: 461537.0/99



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

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

Right Out: 129.708+/-273.936 χ^2/NDF: 36.6/27

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

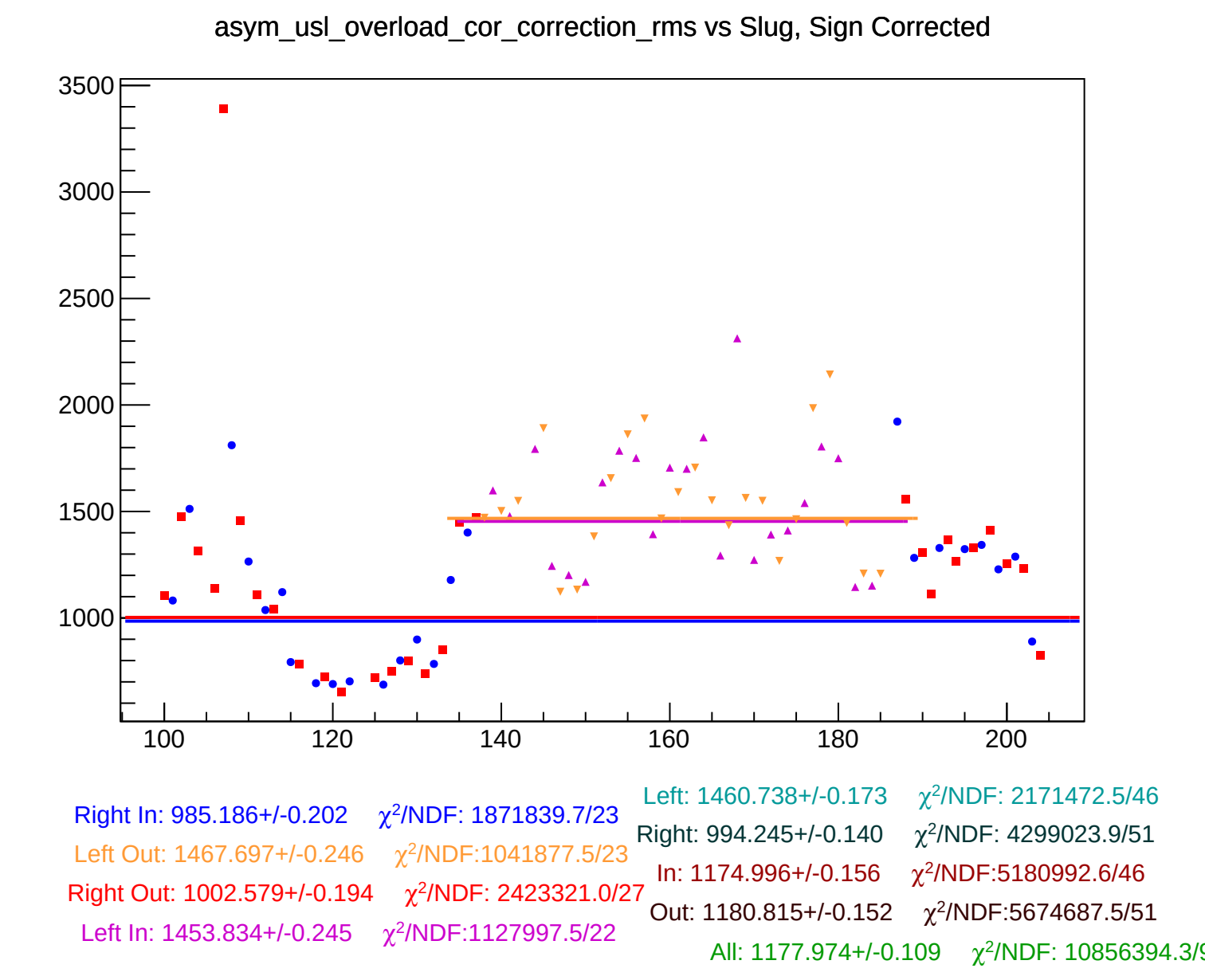
Left: -404.203+/-245.256 χ^2/NDF: 60.3/46

Right: -174.352+/-197.696 χ^2/NDF: 71.7/51

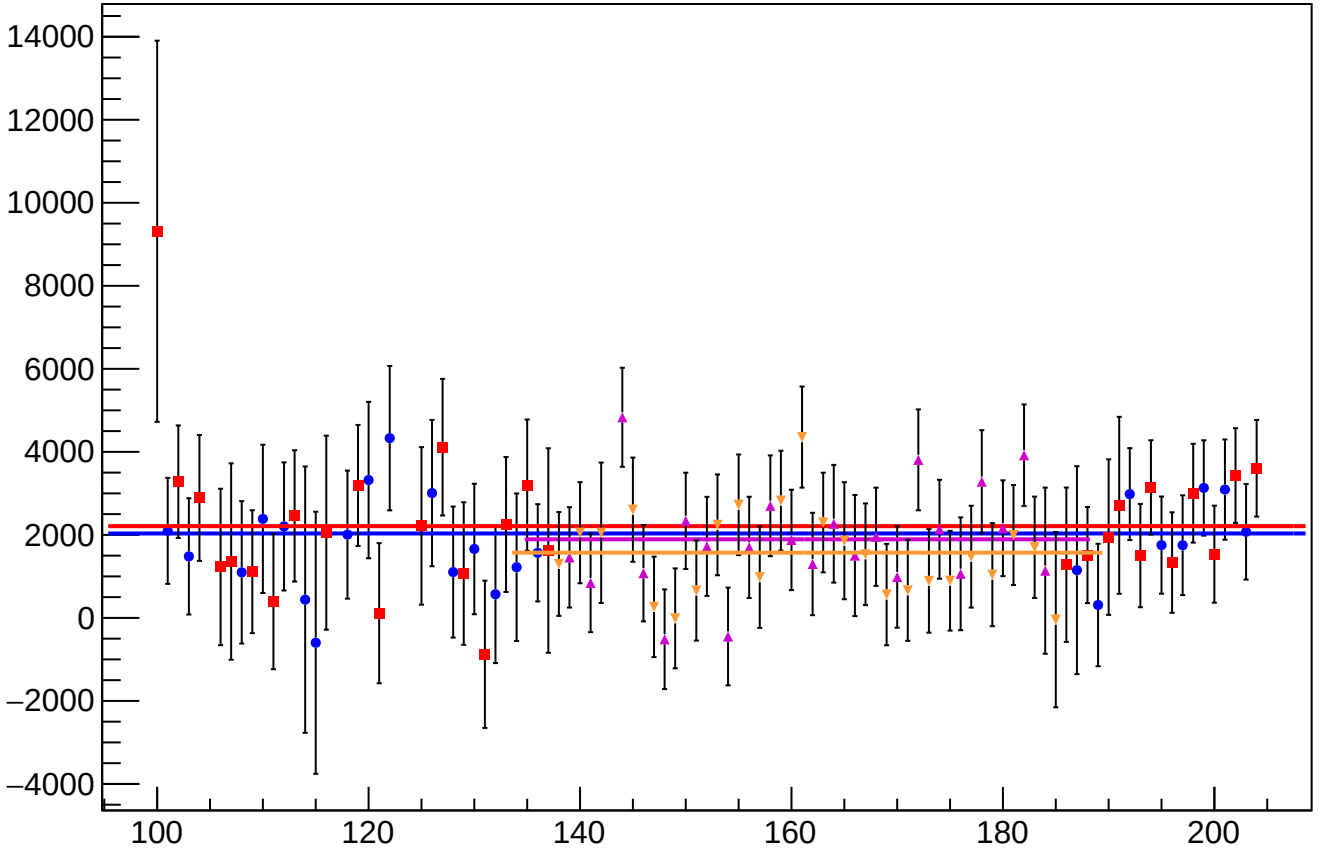
In: -287.666+/-220.296 χ^2/NDF:47.0/46

Out: -243.147+/-215.139 χ^2/NDF:85.5/51

All: -264.879+/-153.917 χ^2/NDF: 132.5/98


asym_usl_overload_cor_correction_rms vs Slug, Sign Corrected
3500
3000
2500
2000
1500
1000
100
120
140
160
180
200
Right In: 985.186+/-0.202 χ²/NDF: 1871839.7/23
Left Out: 1467.697+/-0.246 χ²/NDF:1041877.5/23
Right Out: 1002.579+/-0.194 χ²/NDF: 2423321.0/27
Left In: 1453.834+/-0.245 χ²/NDF:1127997.5/22
Left: 1460.738+/-0.173 χ²/NDF: 2171472.5/46
Right: 994.245+/-0.140 χ²/NDF: 4299023.9/51
In: 1174.996+/-0.156 χ²/NDF:5180992.6/46
Out: 1180.815+/-0.152 χ²/NDF:5674687.5/51
All: 1177.974+/-0.109 χ²/NDF: 10856394.3/9

eigen_cor_asym_usl_mean vs Slug, Sign Corrected



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

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

Right Out: 2209.878+/-282.168 χ^2/NDF: 18.3/28

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

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

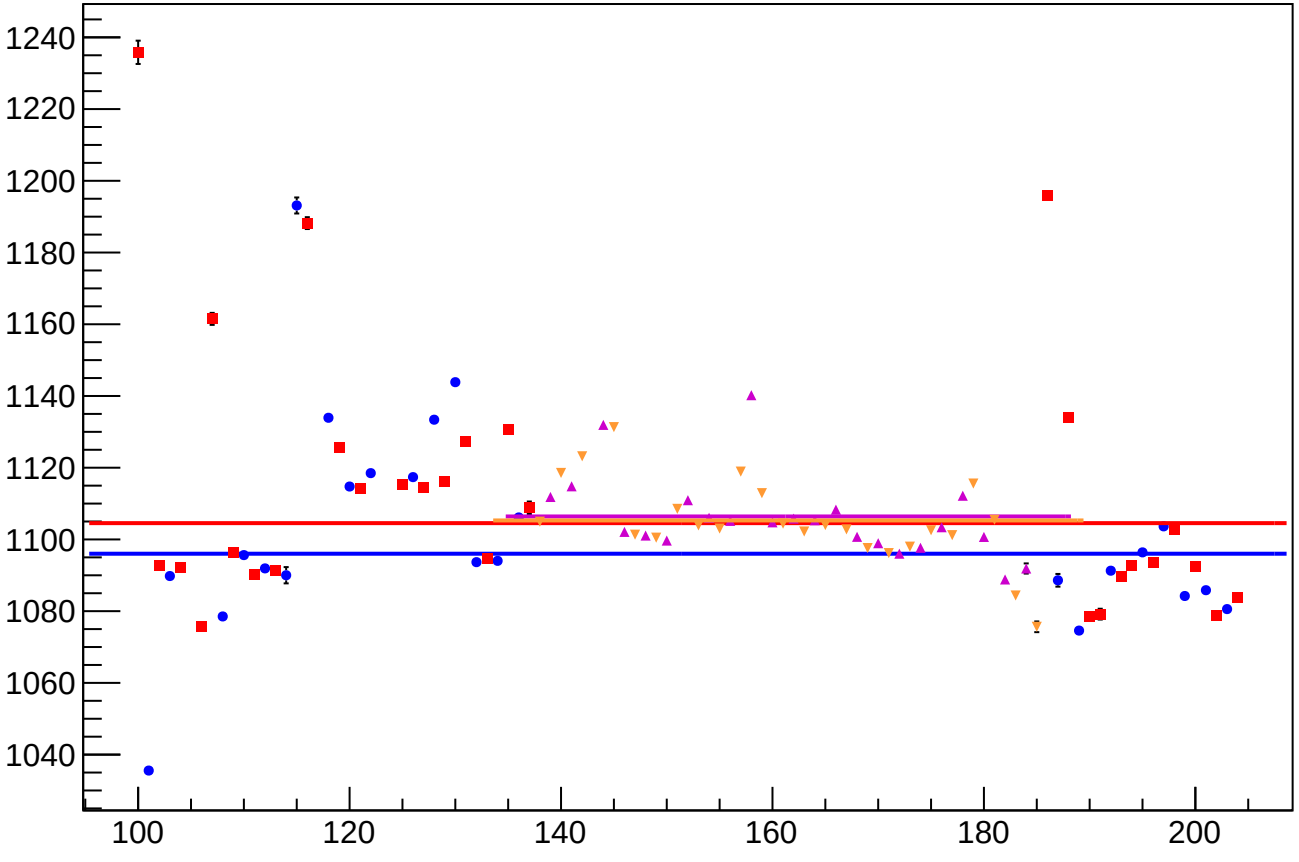
Right: 2127.653+/-205.940 χ^2/NDF: 28.0/52

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

Out: 1860.139+/-189.815 χ^2/NDF:36.4/52

All: 1905.017+/-136.389 χ^2/NDF: 70.3/99

eigen_cor_asym_usl_rms vs Slug, Sign Corrected



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

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

Right Out: 1104.546+/-0.200 χ^2/NDF: 17485.7/28

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

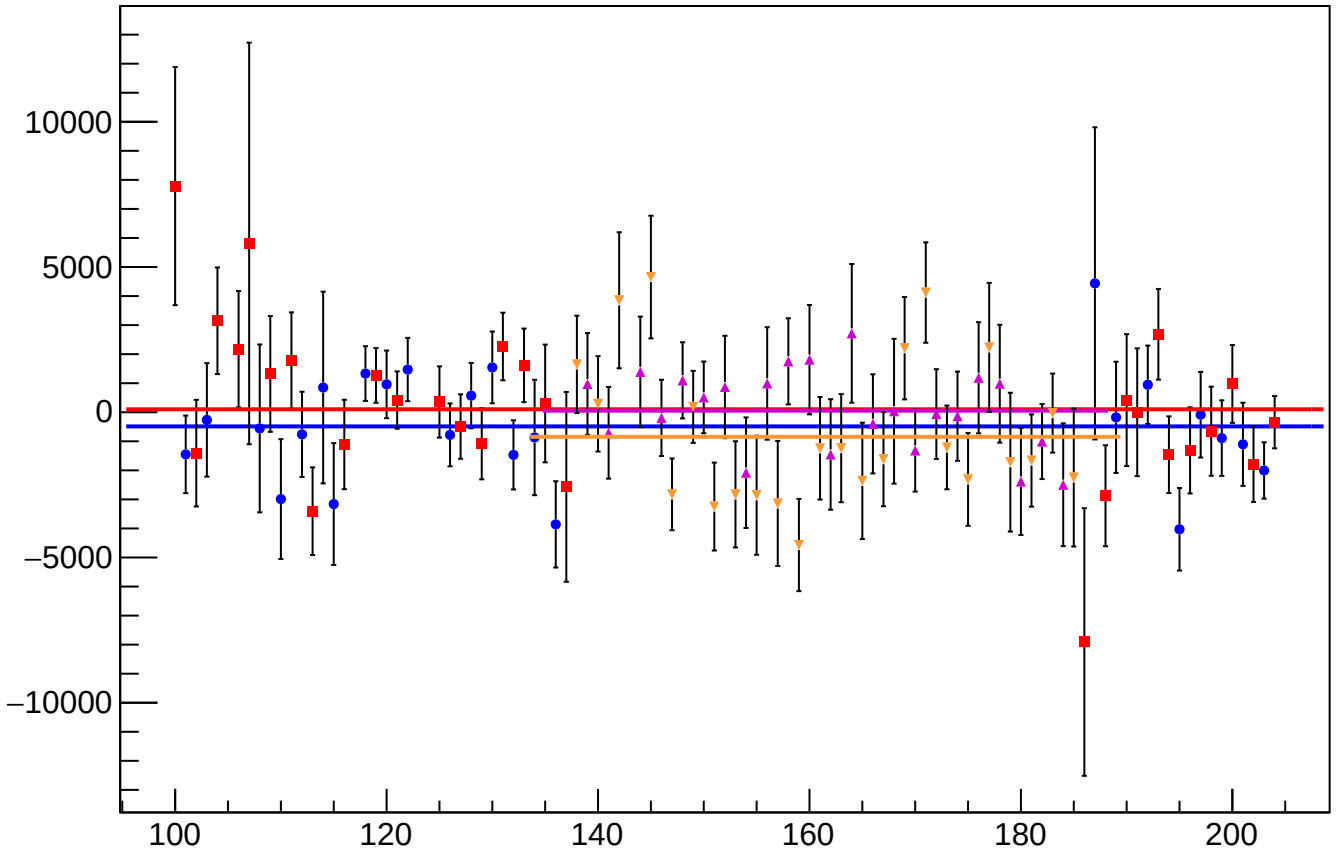
Left: 1105.846+/-0.129 χ^2/NDF: 6956.8/46

Right: 1100.560+/-0.146 χ^2/NDF: 31414.4/52

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

Out: 1104.955+/-0.134 χ^2/NDF:20655.2/52

All: 1103.527+/-0.096 χ^2/NDF: 39110.8/99



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

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

Right Out: 102.607+/-272.949 χ^2/NDF: 38.6/28

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

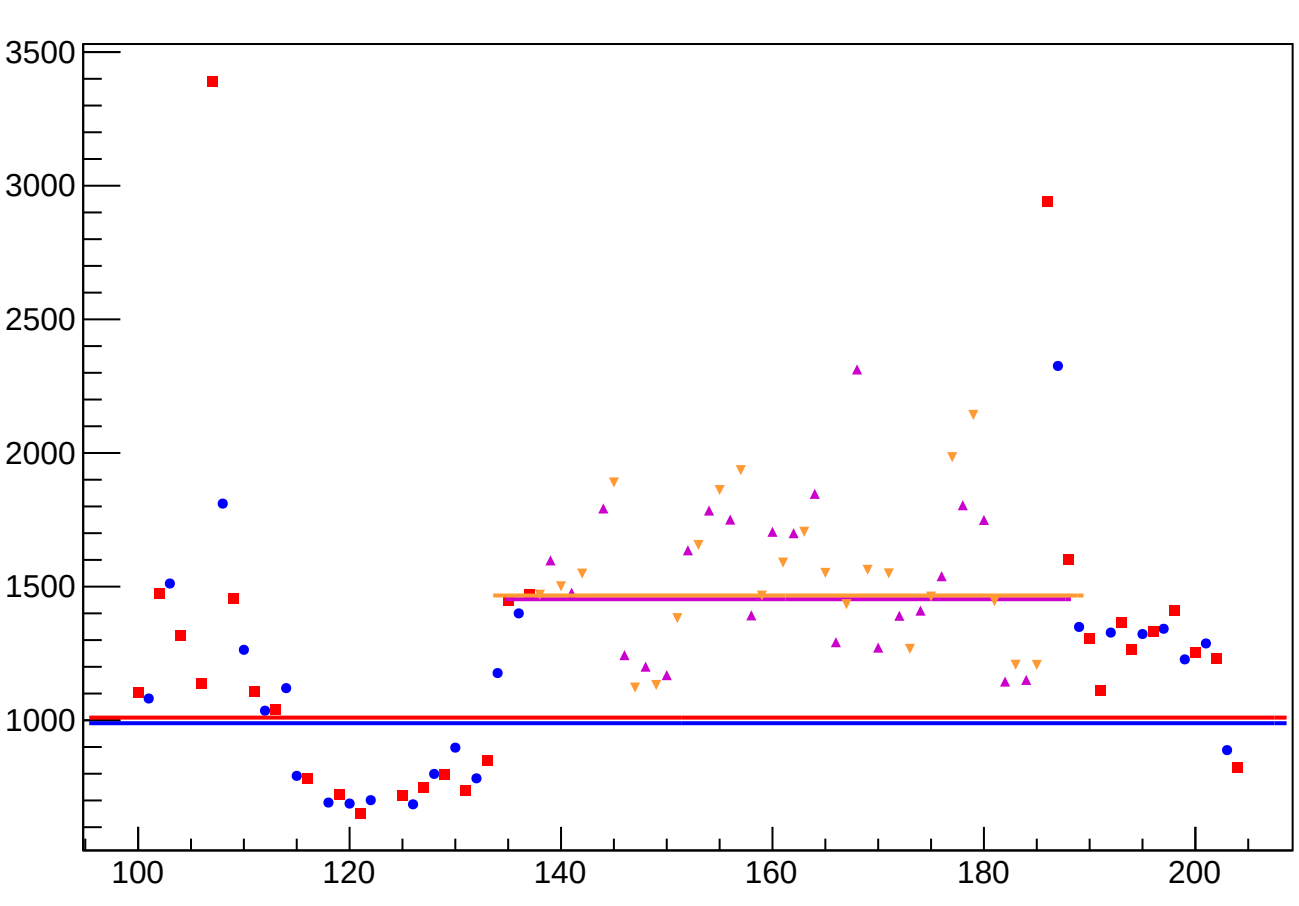
Left: -393.356+/-245.120 χ^2/NDF: 60.6/46

Right: -179.698+/-197.039 χ^2/NDF: 73.7/52

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

Out: -259.020+/-214.615 χ^2/NDF:87.4/52

All: -263.565+/-153.573 χ^2/NDF: 134.7/99



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

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

Right Out: 1010.001+/-0.193 χ^2/NDF: 2830484.1/28

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

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

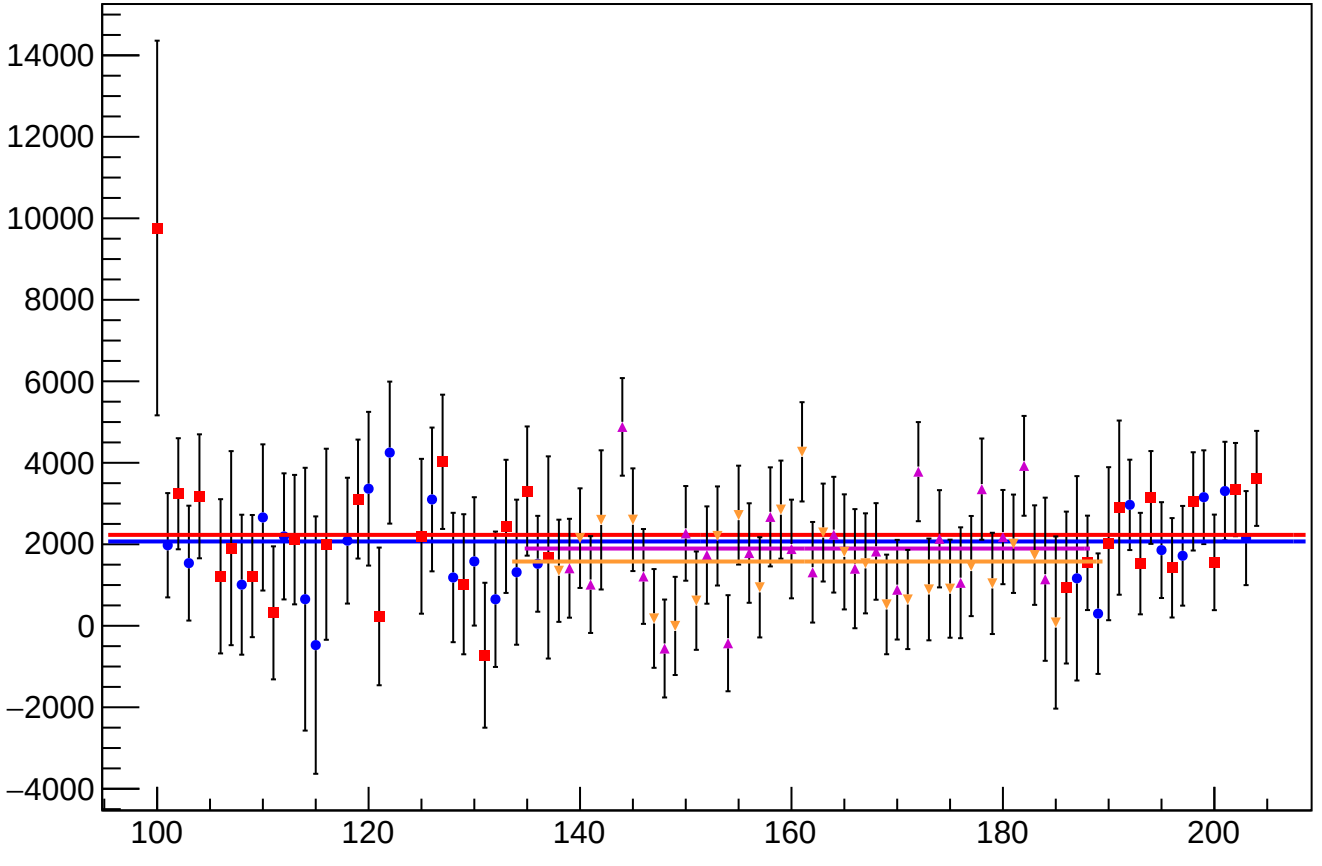
Right: 999.949+/-0.139 χ^2/NDF: 4858601.2/52

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

Out: 1184.407+/-0.152 χ^2/NDF:6012719.0/52

All: 1180.488+/-0.109 χ^2/NDF: 11310630.6/9

dit_asym_usl_mean vs Slug, Sign Corrected



Right In: 2069.755+/-302.347 χ^2/NDF: 9.7/23

Left Out: 1577.402+/-257.003 χ^2/NDF:15.5/23

Right Out: 2231.126+/-283.263 χ^2/NDF: 18.0/28

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

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

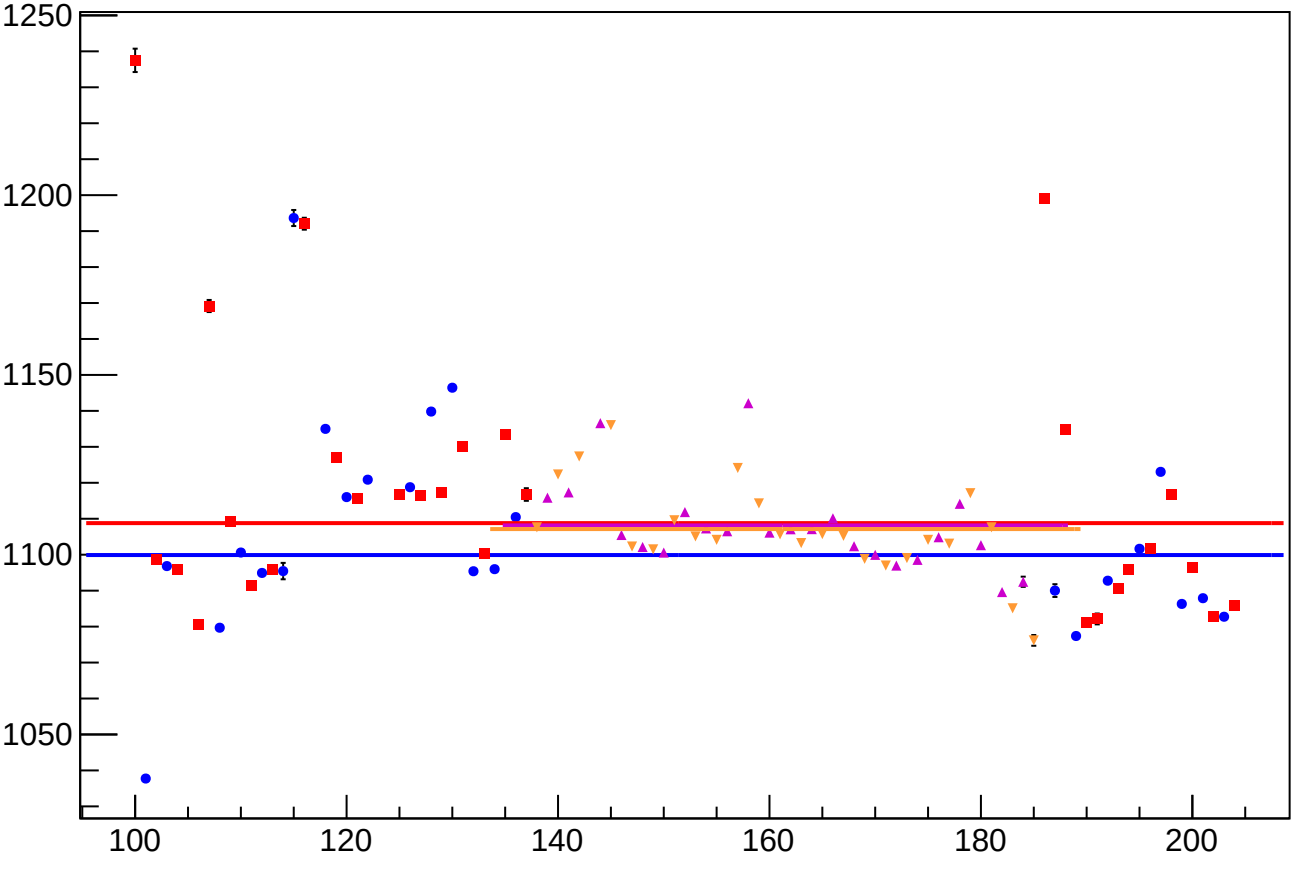
Right: 2155.694+/-206.715 χ^2/NDF: 27.8/52

In: 1969.197+/-196.588 χ^2/NDF:34.0/46

Out: 1872.565+/-190.337 χ^2/NDF:36.5/52

All: 1919.320+/-136.745 χ^2/NDF: 70.5/99

dit_asym_usl_rms vs Slug, Sign Corrected



Right In: 1099.904+/-0.214 χ^2/NDF: 13898.6/23

Left Out: 1107.127+/-0.182 χ^2/NDF:3783.7/23

Right Out: 1108.784+/-0.200 χ^2/NDF: 17056.8/28

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

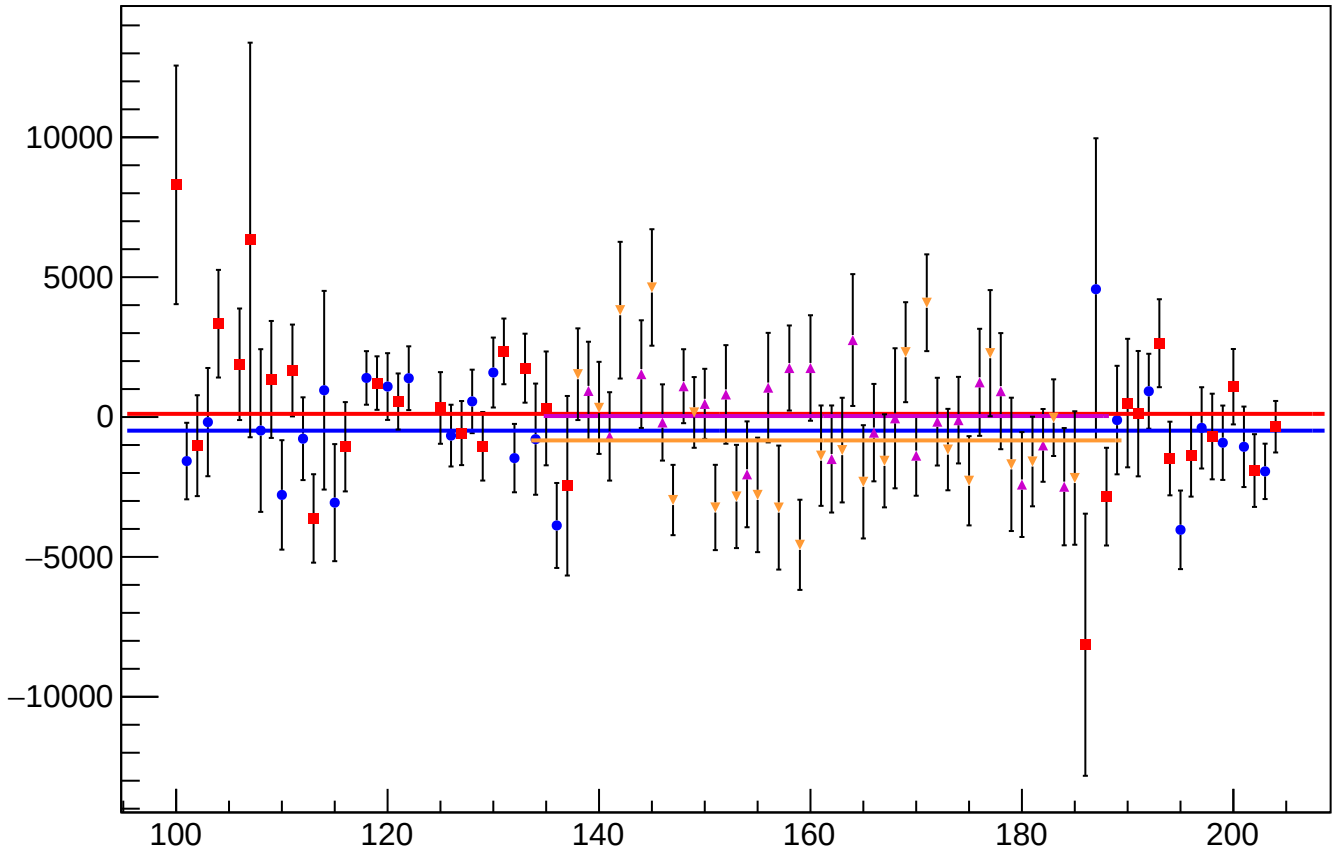
Left: 1107.633+/-0.129 χ^2/NDF: 7989.9/46

Right: 1104.633+/-0.146 χ^2/NDF: 31874.2/52

In: 1104.661+/-0.139 χ^2/NDF:18946.9/46

Out: 1107.875+/-0.135 χ^2/NDF:20878.1/52

All: 1106.320+/-0.097 χ^2/NDF: 40100.9/99



Right In: -486.901+/-288.551 χ^2/NDF: 32.2/23

Left Out: -835.288+/-350.615 χ^2/NDF:43.6/23

Right Out: 113.604+/-276.317 χ^2/NDF: 39.2/28

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

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

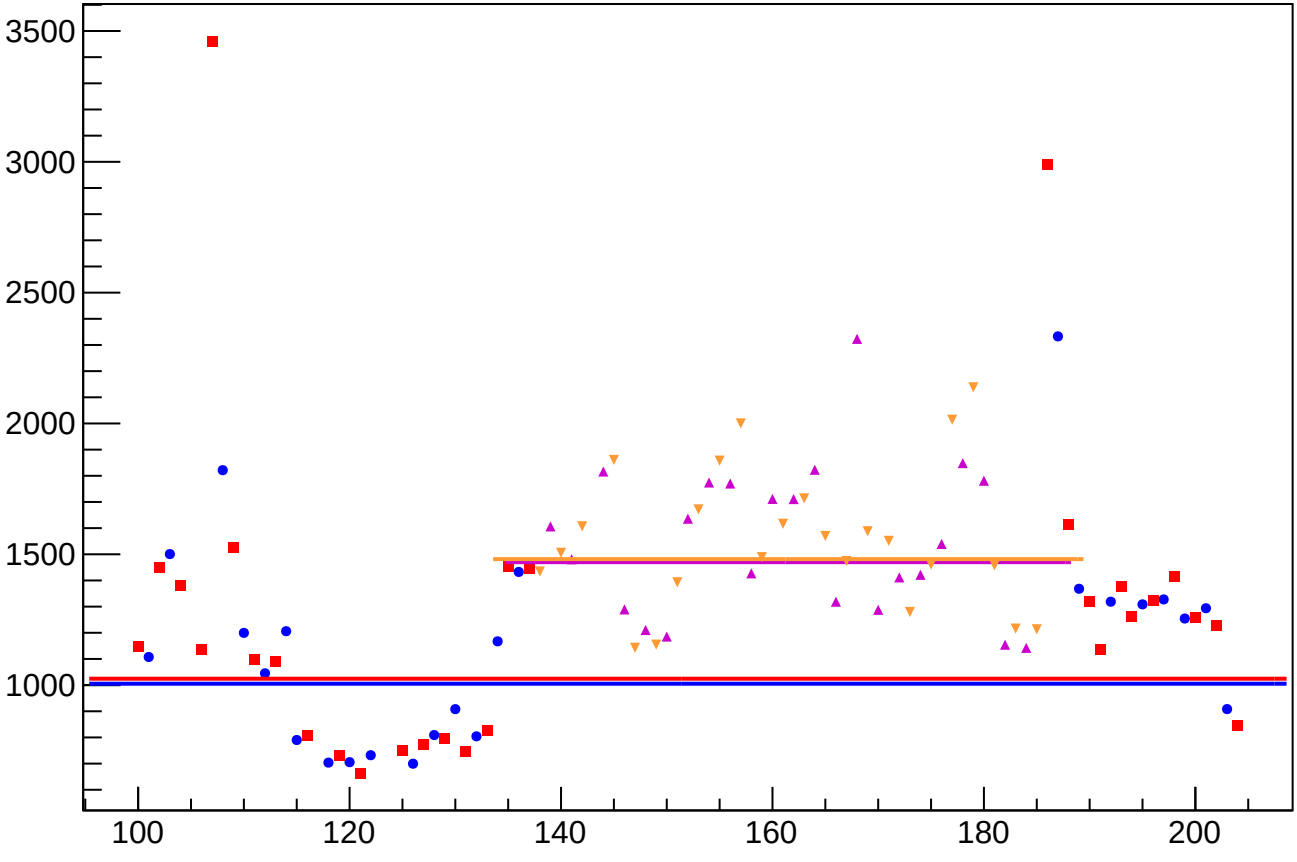
Right: -173.649+/-199.570 χ^2/NDF: 73.6/52

In: -275.242+/-222.549 χ^2/NDF:46.7/46

Out: -249.946+/-217.022 χ^2/NDF:87.3/52

All: -262.276+/-155.375 χ^2/NDF: 133.9/99

asym_usl_dit_correction_rms vs Slug, Sign Corrected



Right In: 1005.366+/-0.204 χ^2/NDF: 1901504.6/23

Left Out: 1481.543+/-0.248 χ^2/NDF:1017463.8/23

Right Out: 1024.509+/-0.195 χ^2/NDF: 2758638.4/28

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

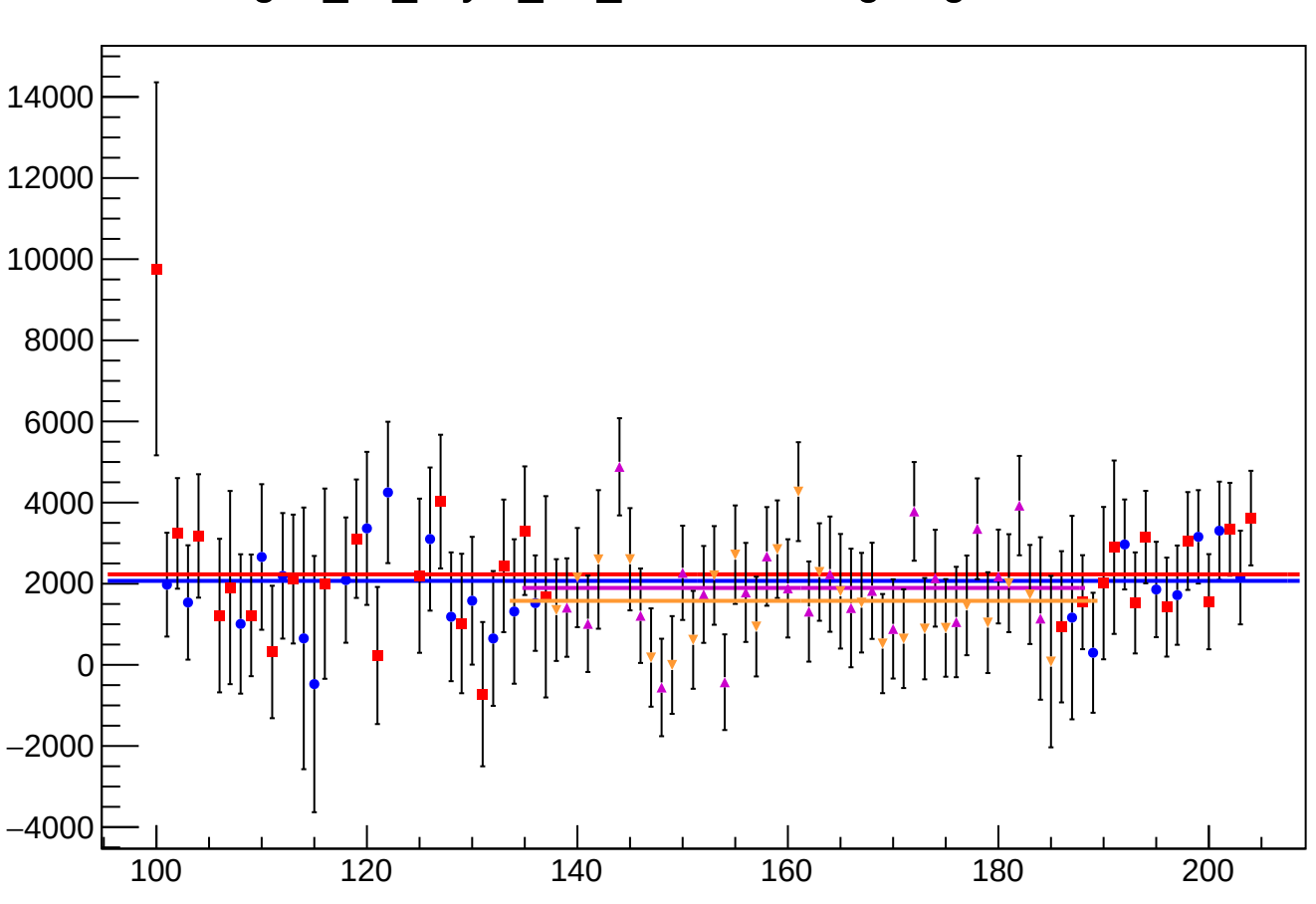
Left: 1475.709+/-0.175 χ^2/NDF: 2113624.9/46

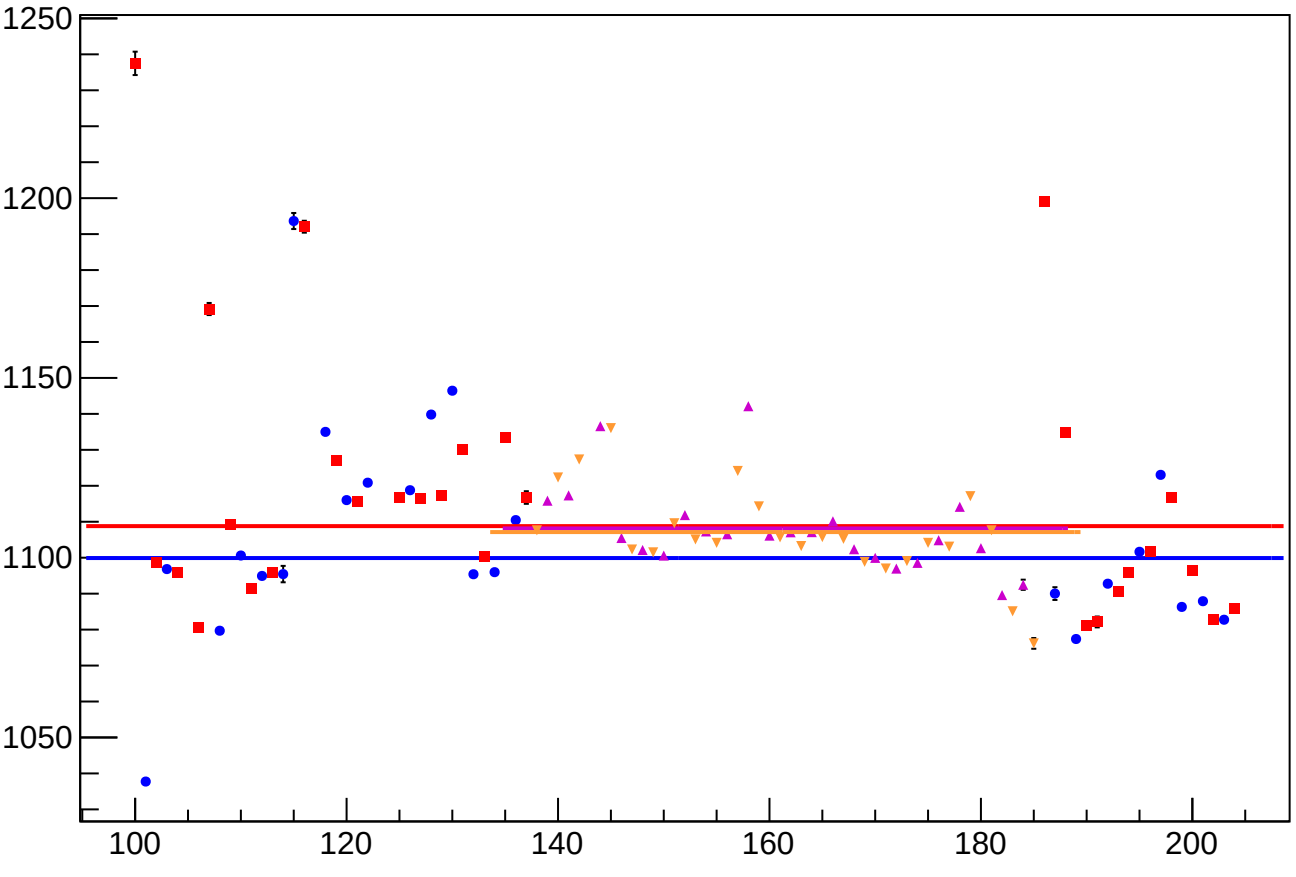
Right: 1015.352+/-0.141 χ^2/NDF: 4664734.7/52

In: 1193.576+/-0.157 χ^2/NDF:5096715.7/46

Out: 1199.613+/-0.153 χ^2/NDF:5872429.9/52

All: 1196.670+/-0.110 χ^2/NDF: 10969900.1/9


eigen_dit_asym_usl_mean vs Slug, Sign Corrected
14000
12000
10000
8000
6000
4000
2000
0
−2000
−4000
100
120
140
160
180
200
Right In: 2069.755+/-302.347 χ²/NDF: 9.7/23
Left Out: 1577.399+/-257.003 χ²/NDF:15.5/23
Right Out: 2231.125+/-283.263 χ²/NDF: 18.0/28
Left In: 1895.549+/-258.750 χ²/NDF:24.1/22
Left: 1735.396+/-182.343 χ²/NDF: 40.4/46
Right: 2155.693+/-206.715 χ²/NDF: 27.8/52
In: 1969.197+/-196.588 χ²/NDF:34.0/46
Out: 1872.562+/-190.337 χ²/NDF:36.5/52
All: 1919.319+/-136.745 χ²/NDF: 70.5/99



Right In: 1099.904+/-0.214 χ^2/NDF: 13898.6/23

Left Out: 1107.127+/-0.182 χ^2/NDF:3783.7/23

Right Out: 1108.784+/-0.200 χ^2/NDF: 17056.8/28

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

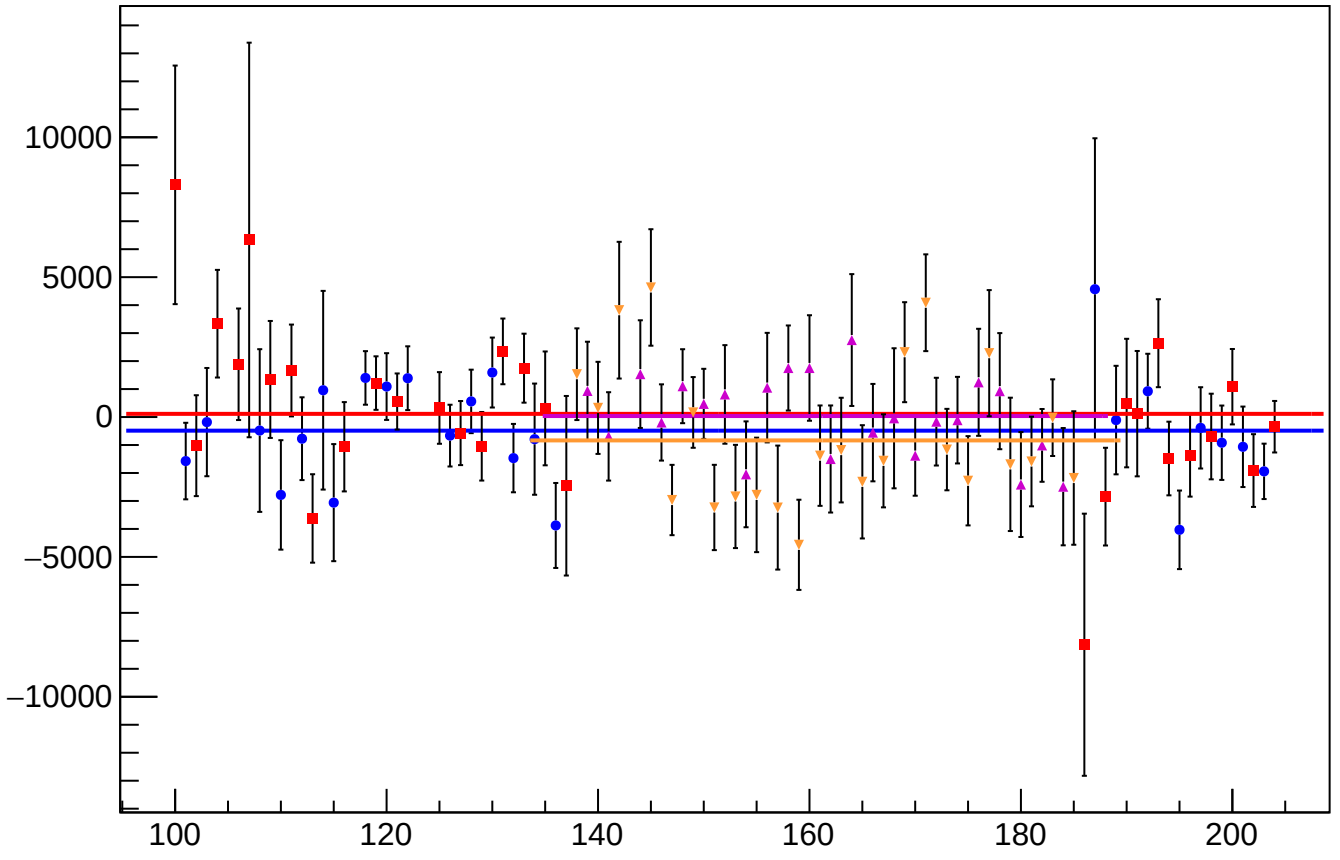
Left: 1107.633+/-0.129 χ^2/NDF: 7989.9/46

Right: 1104.633+/-0.146 χ^2/NDF: 31874.1/52

In: 1104.661+/-0.139 χ^2/NDF:18946.9/46

Out: 1107.875+/-0.135 χ^2/NDF:20878.0/52

All: 1106.320+/-0.097 χ^2/NDF: 40100.8/99



Right In: -486.899+/-288.550 χ^2/NDF: 32.2/23

Left Out: -835.291+/-350.615 χ^2/NDF:43.6/23

Right Out: 113.605+/-276.317 χ^2/NDF: 39.2/28

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

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

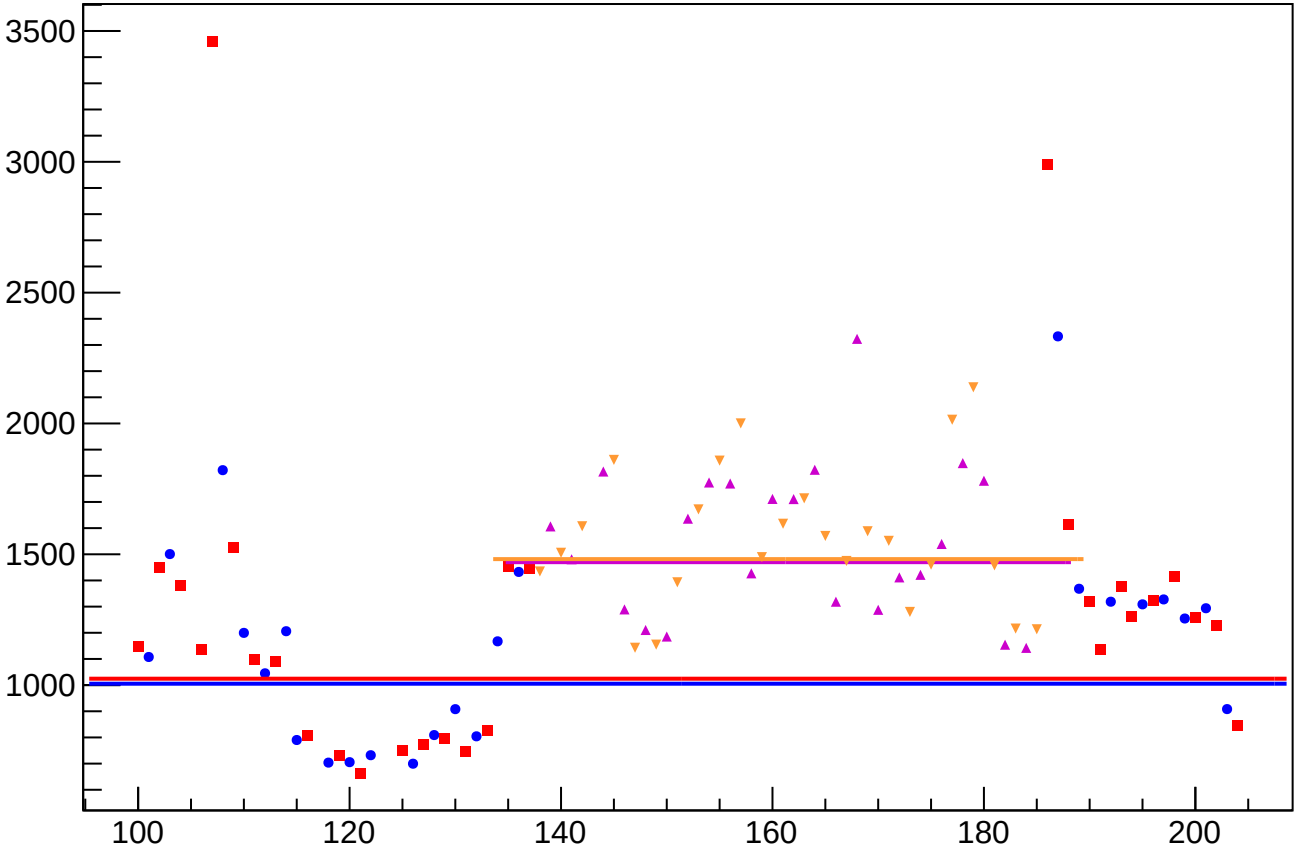
Right: -173.648+/-199.570 χ^2/NDF: 73.6/52

In: -275.242+/-222.549 χ^2/NDF:46.7/46

Out: -249.946+/-217.022 χ^2/NDF:87.3/52

All: -262.276+/-155.375 χ^2/NDF: 133.9/99

asym_usl_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1005.365+/-0.204 χ^2/NDF: 1901516.0/23

Left Out: 1481.545+/-0.248 χ^2/NDF:1017460.8/23

Right Out: 1024.508+/-0.195 χ^2/NDF: 2758650.7/28

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

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

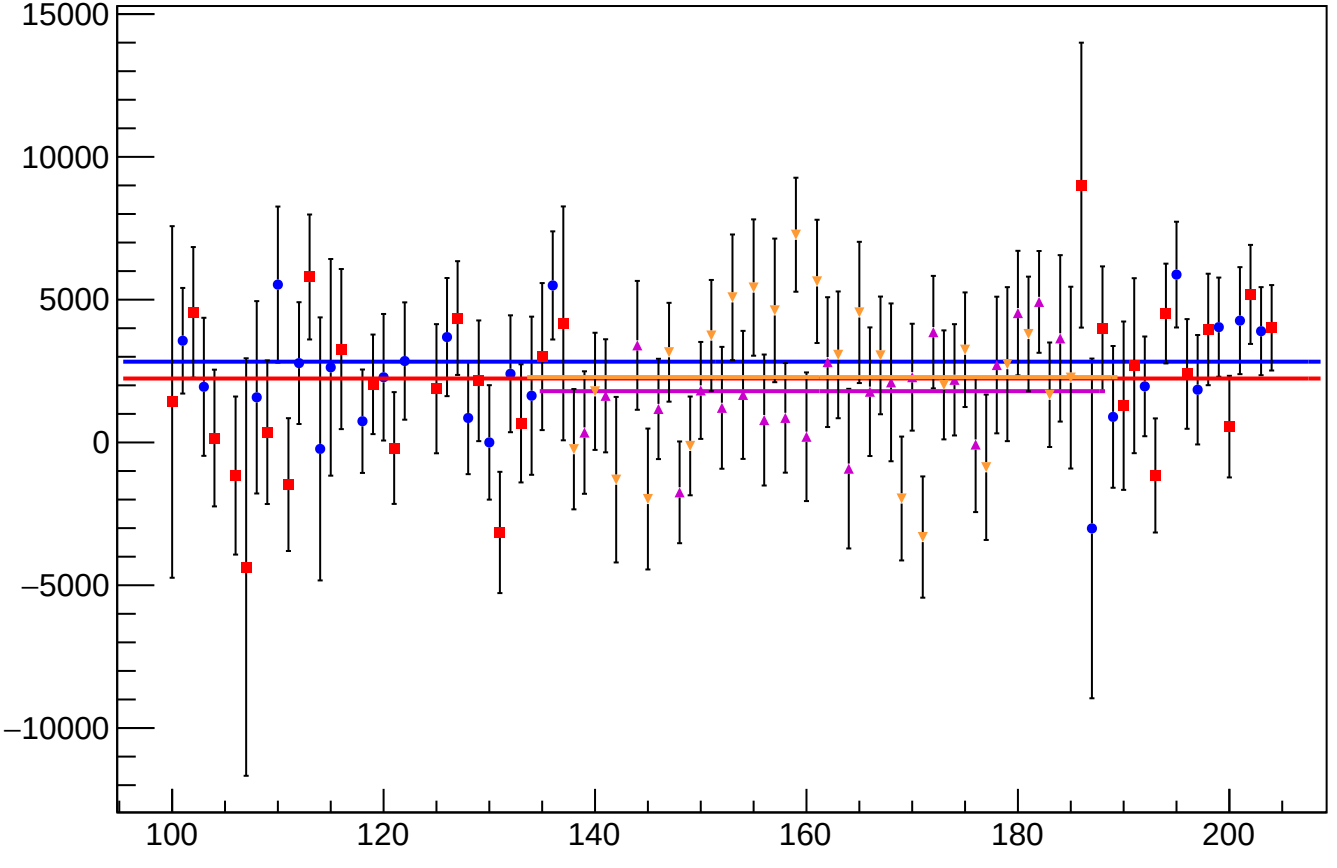
Right: 1015.351+/-0.141 χ^2/NDF: 4664758.5/52

In: 1193.575+/-0.157 χ^2/NDF:5096750.8/46

Out: 1199.612+/-0.153 χ^2/NDF:5872466.8/52

All: 1196.670+/-0.110 χ^2/NDF: 10969972.1/9

asym_usl_mean vs Slug, Sign Corrected



Right In: 2828.477+/-435.320 χ^2/NDF: 15.0/23

Left Out: 2289.701+/-439.328 χ^2/NDF:36.0/23

Right Out: 2238.892+/-414.212 χ^2/NDF: 33.2/28

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

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

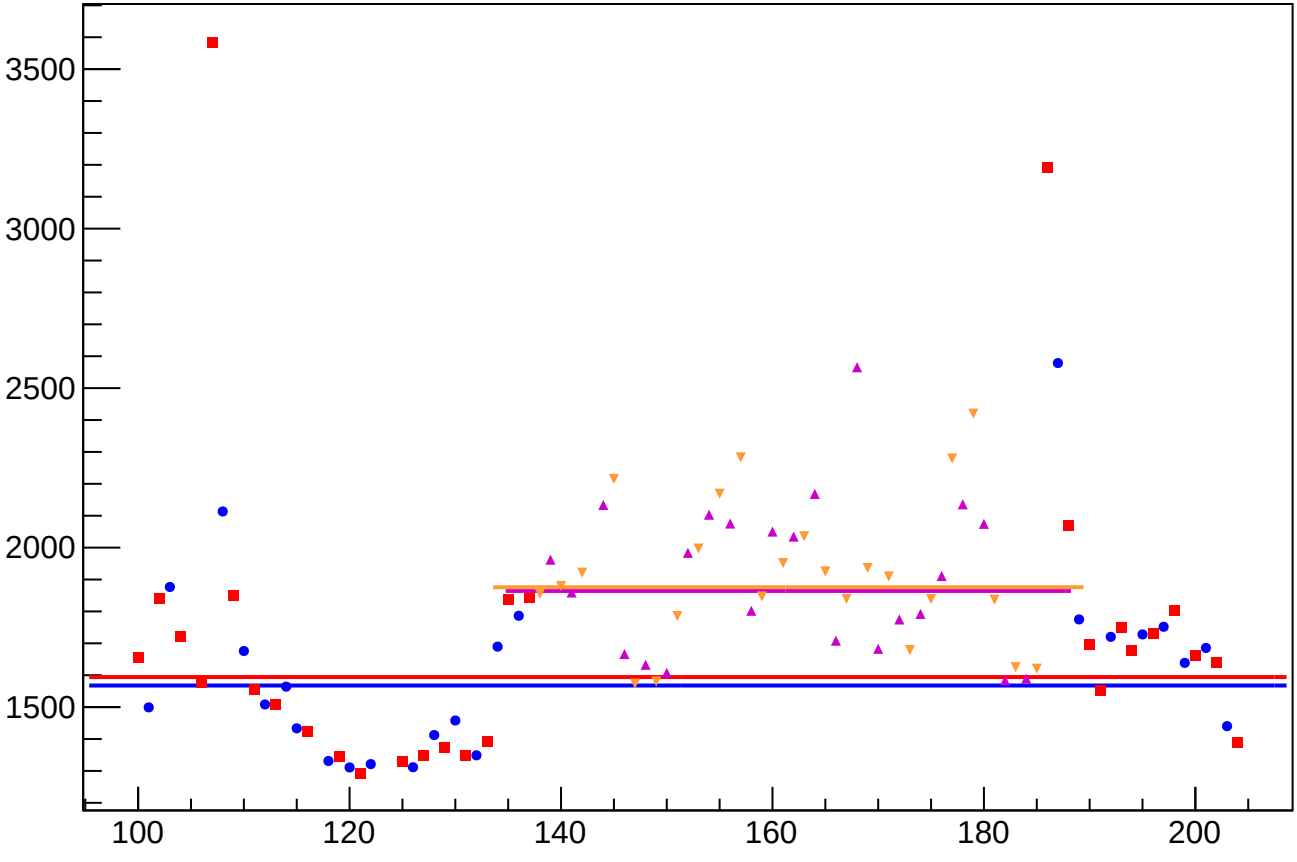
Right: 2519.045+/-300.077 χ^2/NDF: 49.1/52

In: 2316.905+/-309.160 χ^2/NDF:32.0/46

Out: 2262.803+/-301.380 χ^2/NDF:69.3/52

All: 2289.165+/-215.806 χ^2/NDF: 101.3/99

asym_usl_rms vs Slug, Sign Corrected



Right In: 1567.741+/-0.308 χ^2/NDF: 432756.7/23

Left Out: 1875.818+/-0.311 χ^2/NDF:472556.0/23

Right Out: 1594.240+/-0.293 χ^2/NDF: 844159.2/28

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

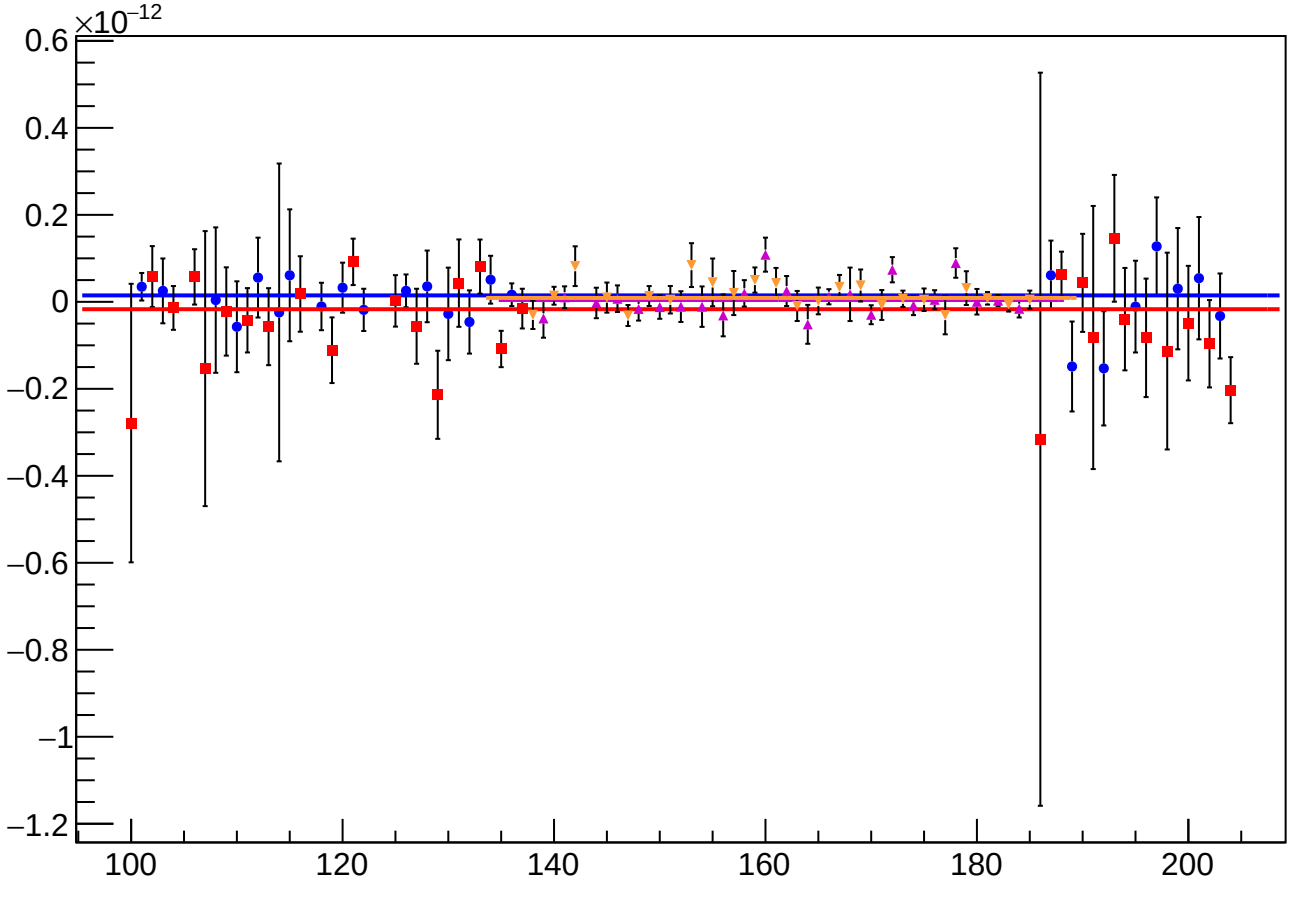
Left: 1869.988+/-0.220 χ^2/NDF: 983860.8/46

Right: 1581.648+/-0.212 χ^2/NDF: 1280805.4/52

In: 1714.656+/-0.219 χ^2/NDF:1402965.4/46

Out: 1726.751+/-0.213 χ^2/NDF:1751661.5/52

All: 1720.857+/-0.153 χ^2/NDF: 3156196.4/99



Right In: 0.000+/-0.000 χ^2/NDF: 9.3/23

Left Out: 0.000+/-0.000 χ^2/NDF:16.6/23

Right Out: -0.000+/-0.000 χ^2/NDF: 32.6/28

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

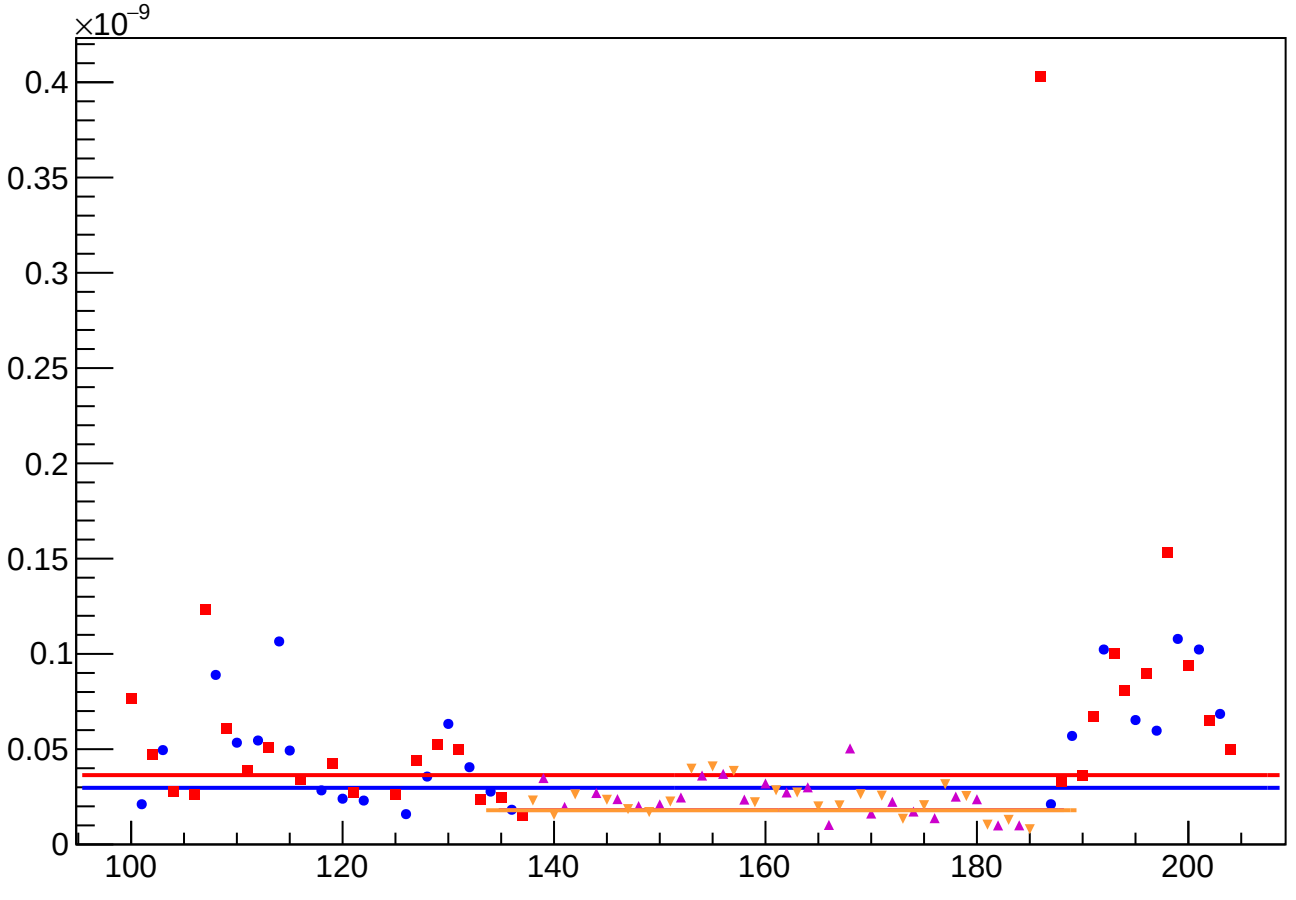
Left: 0.000+/-0.000 χ^2/NDF: 45.1/46

Right: 0.000+/-0.000 χ^2/NDF: 44.6/52

In: 0.000+/-0.000 χ^2/NDF:38.0/46

Out: 0.000+/-0.000 χ^2/NDF:52.0/52

All: 0.000+/-0.000 χ^2/NDF: 90.0/99



Right In: 0.000+/-0.000 χ^2/NDF: 4513964.5/23

Left Out: 0.000+/-0.000 χ^2/NDF:3491055.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 3946683.1/28

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

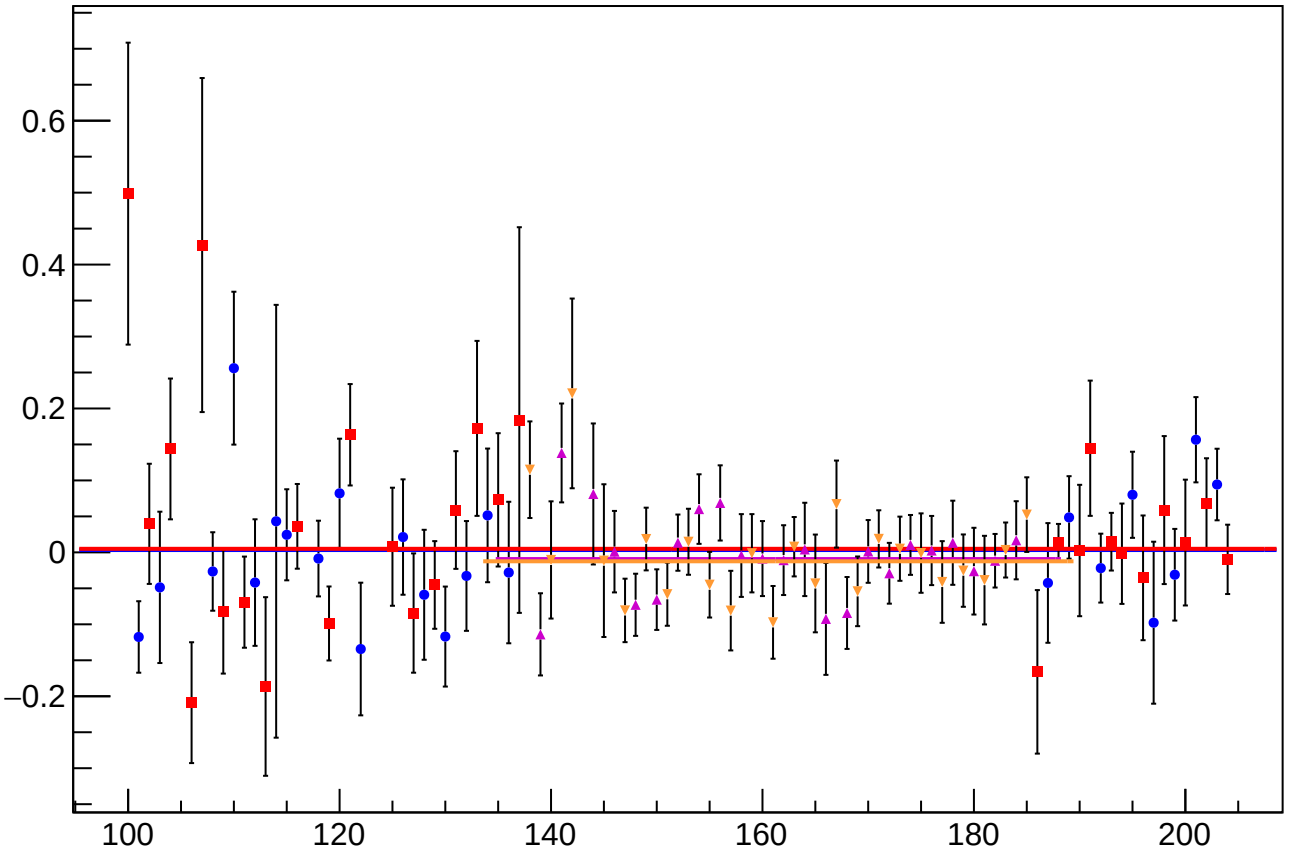
Left: 0.000+/-0.000 χ^2/NDF: 7671624.5/46

Right: 0.000+/-0.000 χ^2/NDF: 8702124.6/52

In: 0.000+/-0.000 χ^2/NDF:10102625.8/46

Out: 0.000+/-0.000 χ^2/NDF:10316013.2/52

All: 0.000+/-0.000 χ^2/NDF: 20424668.3/99



Right In: 0.003+/-0.014 χ^2/NDF: 34.0/23

Left Out: -0.012+/-0.010 χ^2/NDF:21.9/23

Right Out: 0.005+/-0.013 χ^2/NDF: 43.1/28

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

Left: -0.011+/-0.007 χ^2/NDF: 43.9/46

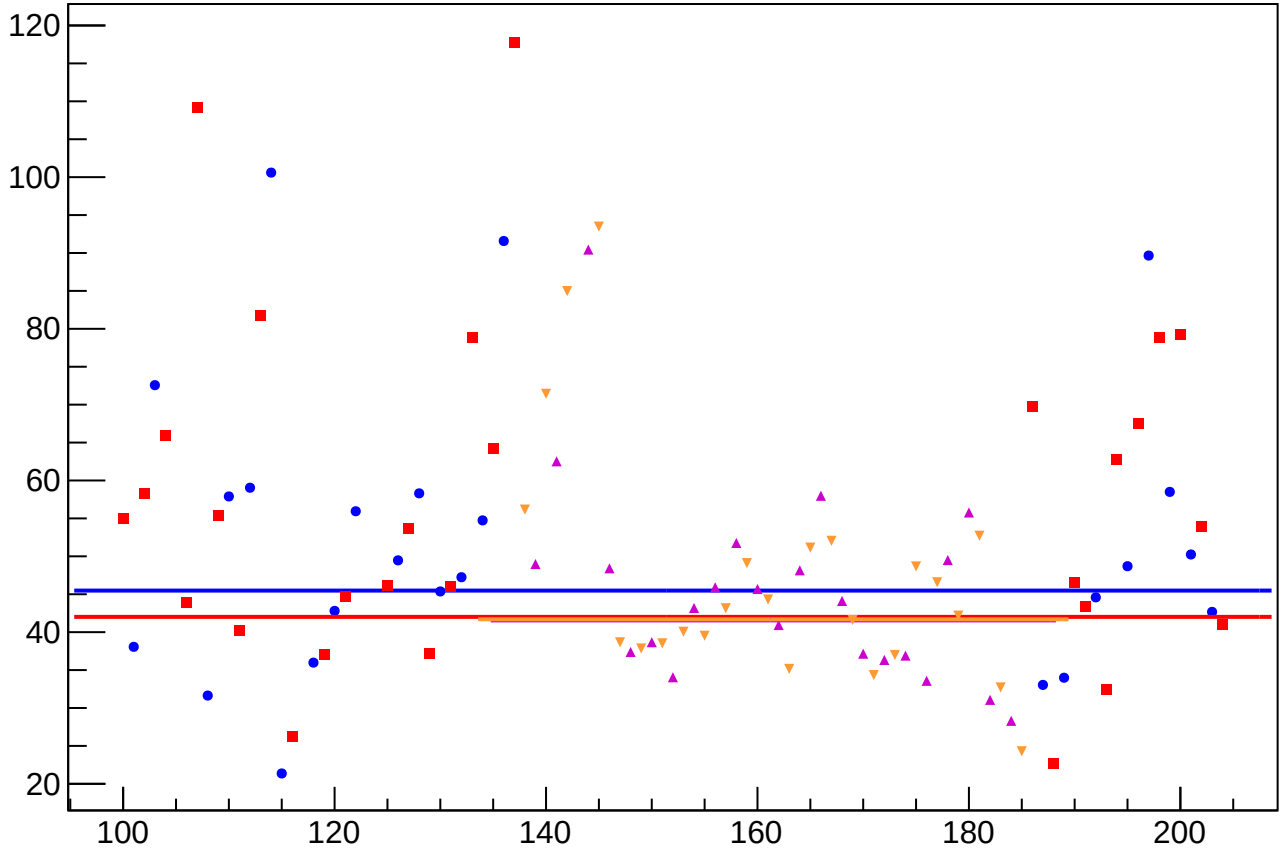
Right: 0.004+/-0.009 χ^2/NDF: 77.1/52

In: -0.005+/-0.008 χ^2/NDF:56.4/46

Out: -0.005+/-0.008 χ^2/NDF:66.1/52

All: -0.005+/-0.006 χ^2/NDF: 122.5/99

asym_usl_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 45.482+/-0.010 χ^2/NDF: 1880112.4/23

Left Out: 41.694+/-0.007 χ^2/NDF:1821790.0/23

Right Out: 42.016+/-0.009 χ^2/NDF: 3667197.5/28

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

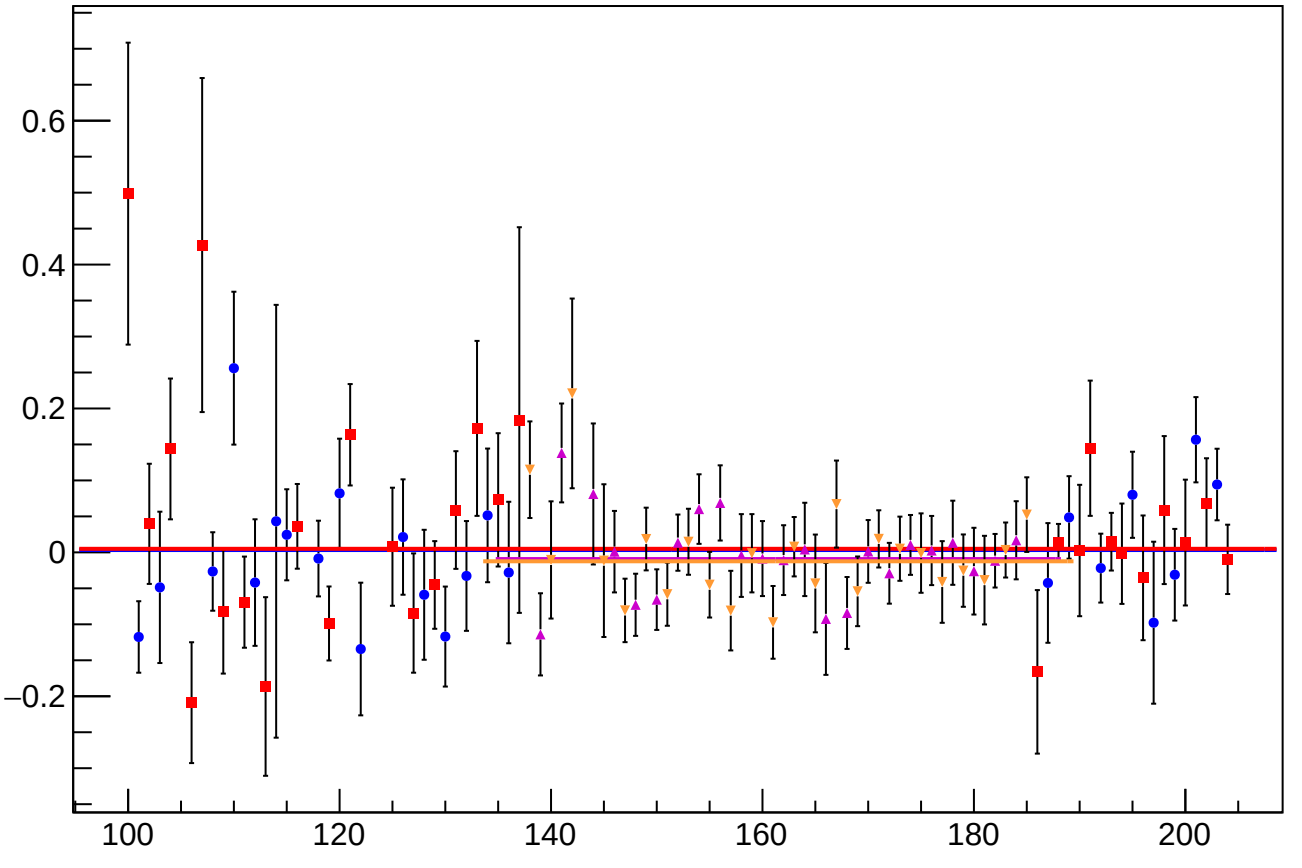
Left: 41.622+/-0.005 χ^2/NDF: 3434958.6/46

Right: 43.555+/-0.007 χ^2/NDF: 5614339.4/52

In: 42.947+/-0.006 χ^2/NDF:3593117.8/46

Out: 41.826+/-0.006 χ^2/NDF:5489754.7/52

All: 42.363+/-0.004 χ^2/NDF: 9101378.3/99



Right In: 0.003+/-0.014 χ^2/NDF: 34.0/23

Left Out: -0.012+/-0.010 χ^2/NDF:21.9/23

Right Out: 0.005+/-0.013 χ^2/NDF: 43.1/28

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

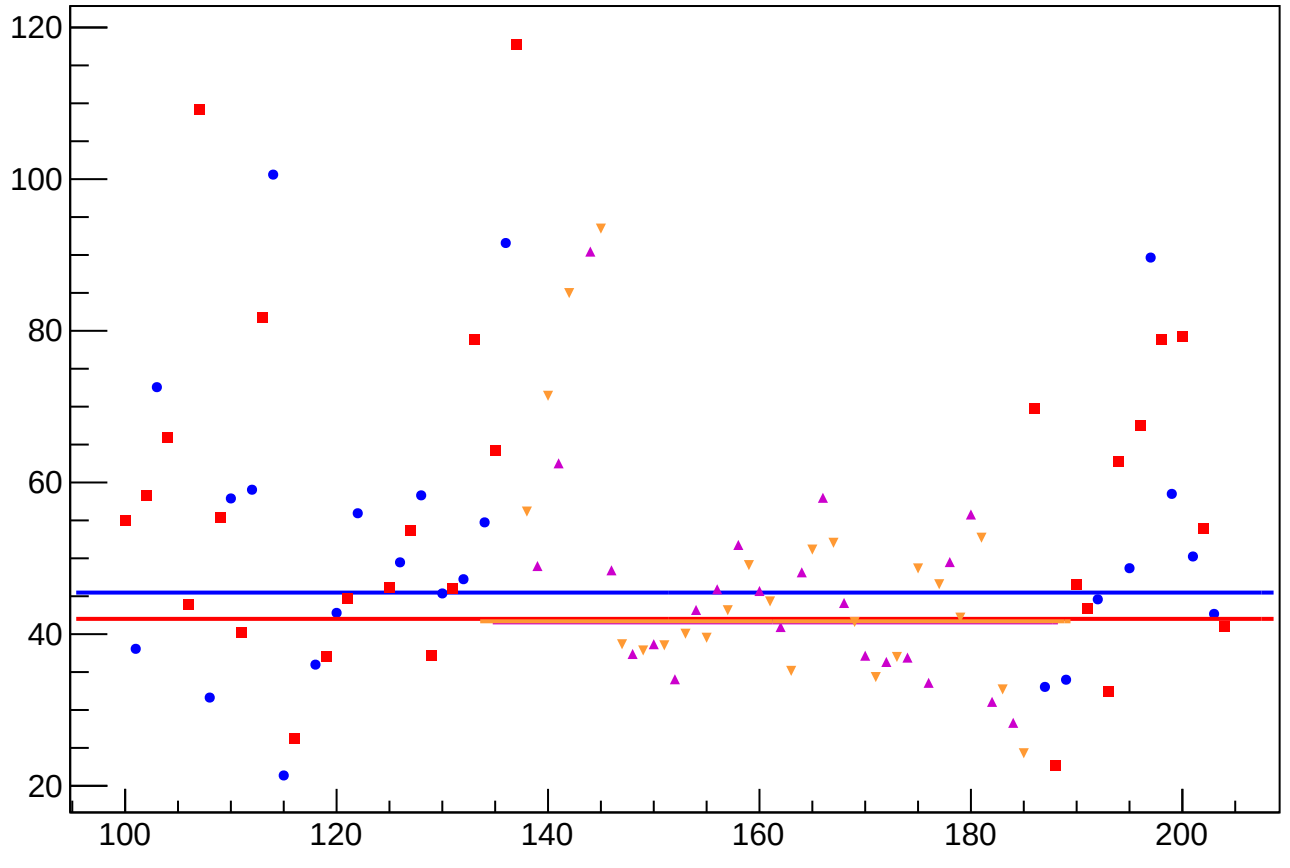
Left: -0.011+/-0.007 χ^2/NDF: 43.9/46

Right: 0.004+/-0.009 χ^2/NDF: 77.1/52

In: -0.005+/-0.008 χ^2/NDF:56.4/46

Out: -0.005+/-0.008 χ^2/NDF:66.1/52

All: -0.005+/-0.006 χ^2/NDF: 122.5/99



Right In: 45.482+/-0.010 χ^2/NDF: 1880112.4/23

Left Out: 41.694+/-0.007 χ^2/NDF:1821790.0/23

Right Out: 42.016+/-0.009 χ^2/NDF: 3667197.5/28

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

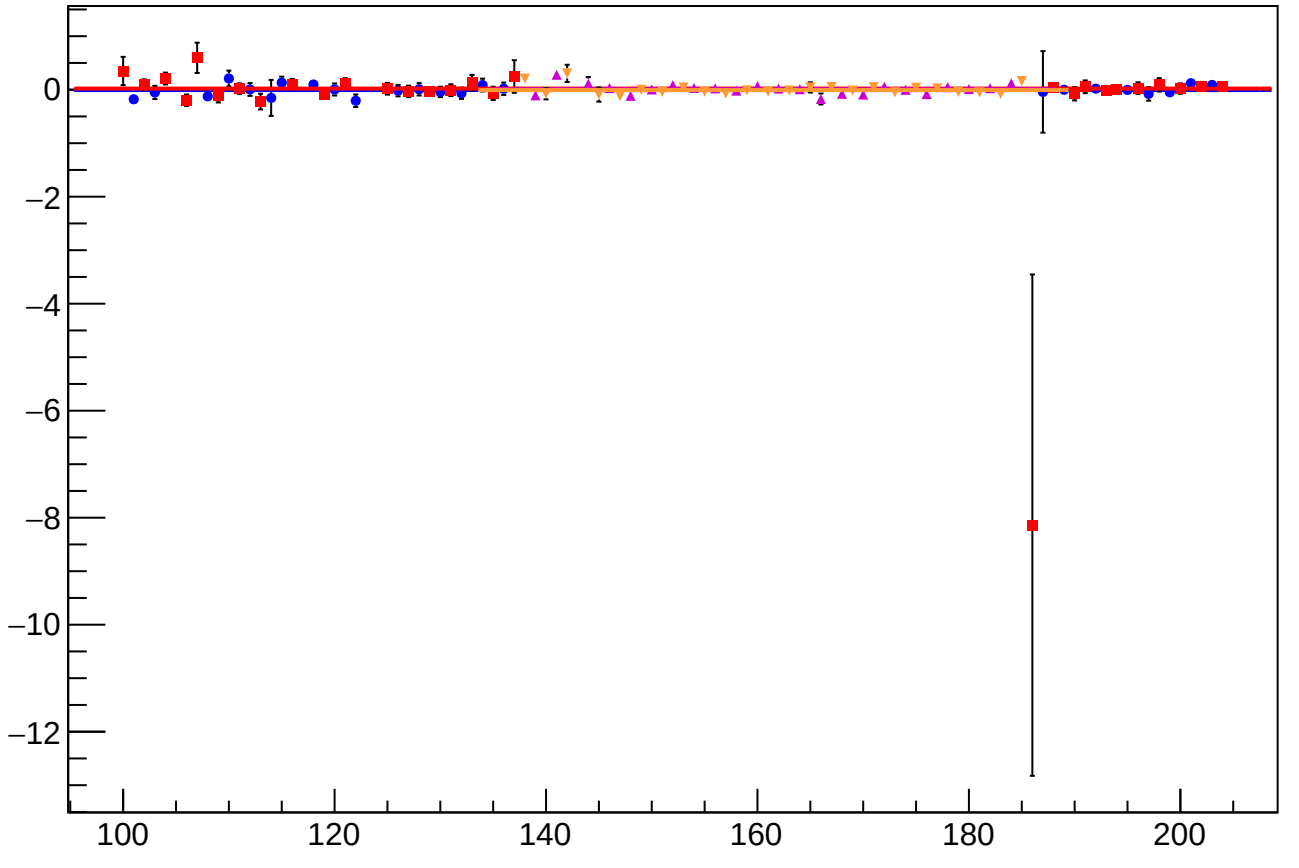
Left: 41.622+/-0.005 χ^2/NDF: 3434958.6/46

Right: 43.555+/-0.007 χ^2/NDF: 5614339.4/52

In: 42.947+/-0.006 χ^2/NDF:3593117.8/46

Out: 41.826+/-0.006 χ^2/NDF:5489754.7/52

All: 42.363+/-0.004 χ^2/NDF: 9101378.3/99



Right In: -0.007+/-0.019 χ^2/NDF: 24.4/23

Left Out: -0.007+/-0.015 χ^2/NDF:23.7/23

Right Out: 0.021+/-0.018 χ^2/NDF: 27.9/28

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

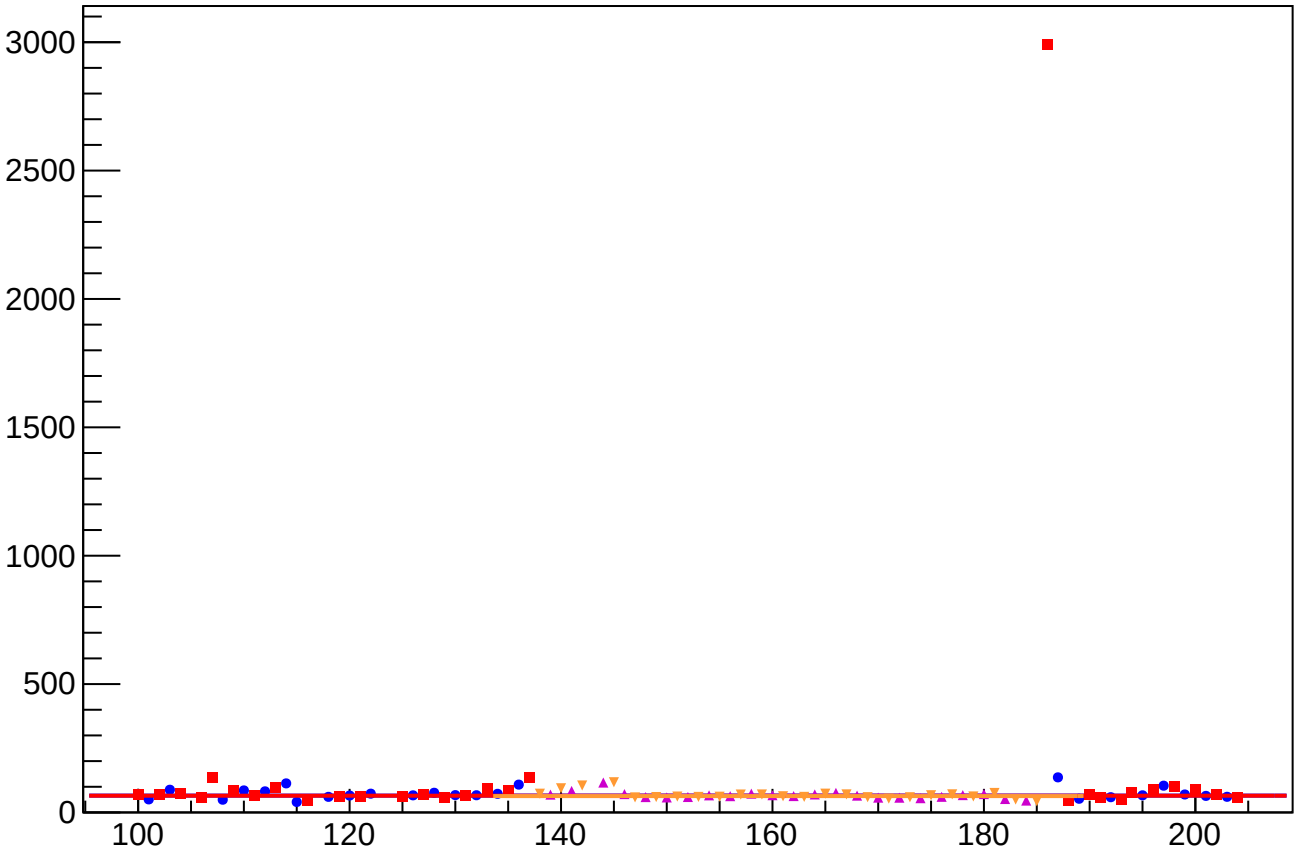
Left: 0.000+/-0.011 χ^2/NDF: 52.2/46

Right: 0.008+/-0.013 χ^2/NDF: 53.4/52

In: 0.002+/-0.012 χ^2/NDF:52.9/46

Out: 0.005+/-0.012 χ^2/NDF:52.9/52

All: 0.003+/-0.008 χ^2/NDF: 105.8/99



Right In: 65.671+/-0.014 χ^2/NDF: 1051437.9/23

Left Out: 63.779+/-0.011 χ^2/NDF:1078823.1/23

Right Out: 65.242+/-0.013 χ^2/NDF: 2310149.3/28

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

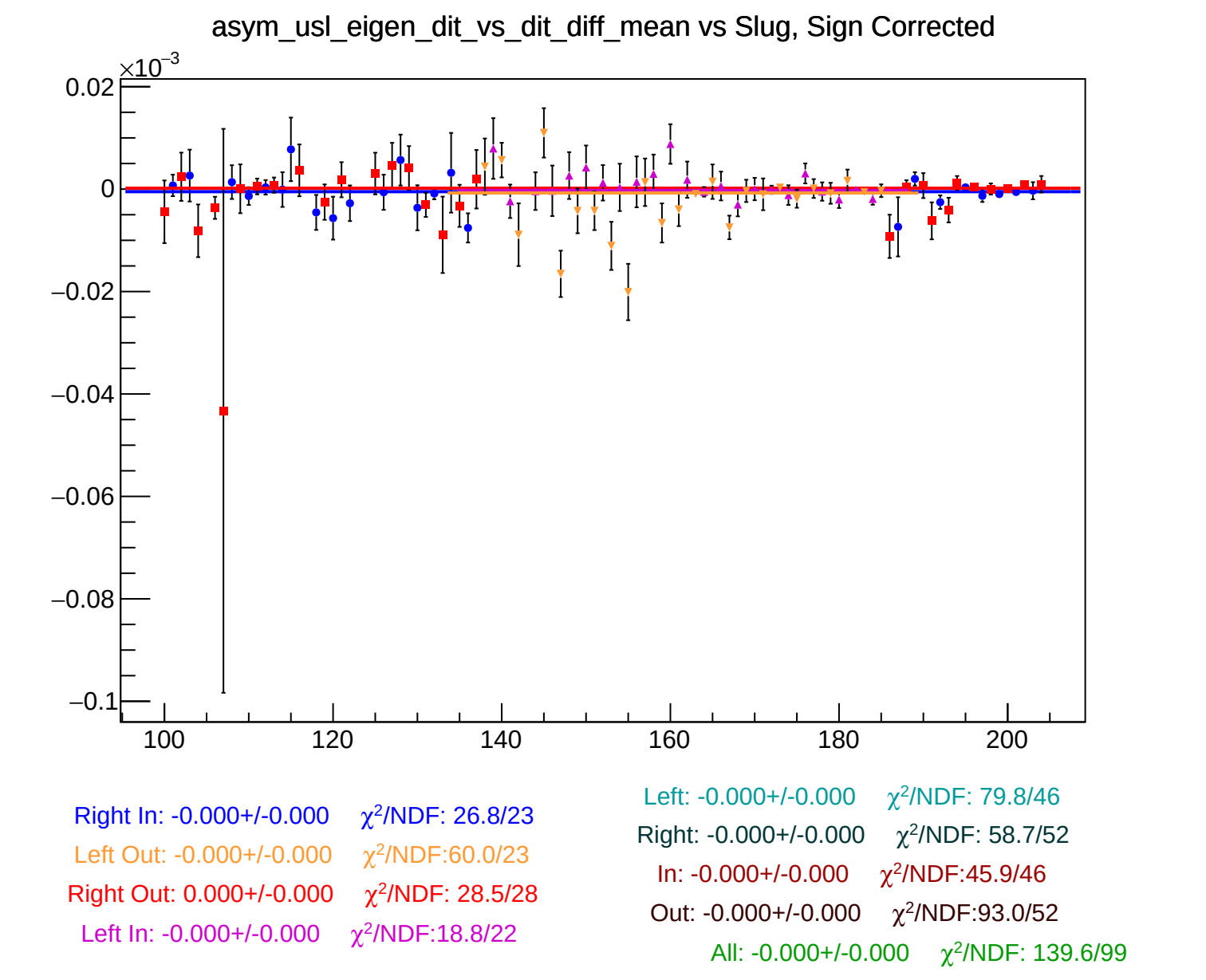
Left: 63.907+/-0.008 χ^2/NDF: 1917889.6/46

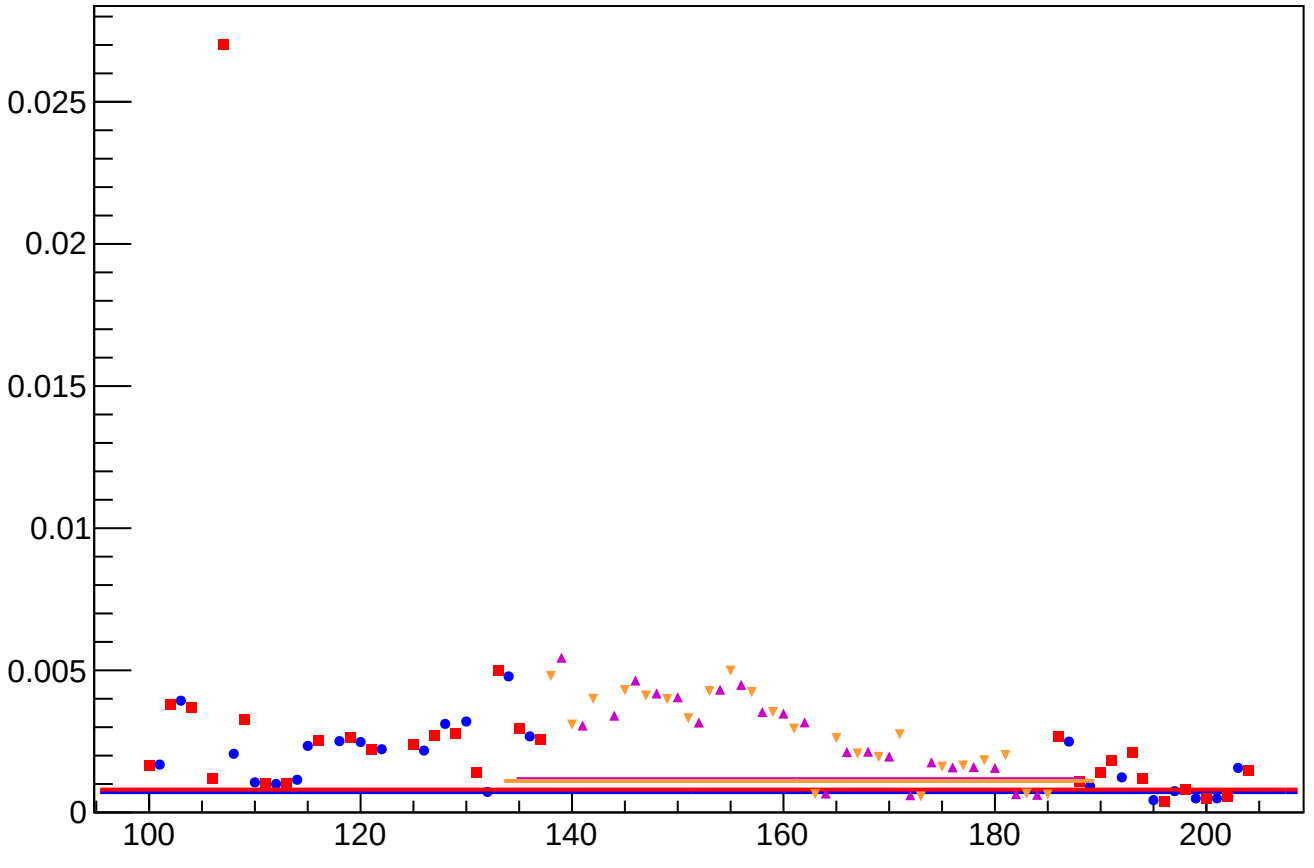
Right: 65.443+/-0.009 χ^2/NDF: 3362101.4/52

In: 64.670+/-0.009 χ^2/NDF:1898866.2/46

Out: 64.386+/-0.008 χ^2/NDF:3396465.8/52

All: 64.524+/-0.006 χ^2/NDF: 5295895.3/99


asym_usl_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.02
0
−0.02
−0.04
−0.06
−0.08
−0.1
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 26.8/23
Left Out: -0.000+/-0.000 χ²/NDF:60.0/23
Right Out: 0.000+/-0.000 χ²/NDF: 28.5/28
Left In: -0.000+/-0.000 χ²/NDF:18.8/22
Left: -0.000+/-0.000 χ²/NDF: 79.8/46
Right: -0.000+/-0.000 χ²/NDF: 58.7/52
In: -0.000+/-0.000 χ²/NDF:45.9/46
Out: -0.000+/-0.000 χ²/NDF:93.0/52
All: -0.000+/-0.000 χ²/NDF: 139.6/99



Right In: 0.001+/-0.000 χ^2/NDF: 8501442.8/23

Left Out: 0.001+/-0.000 χ^2/NDF:15160045.8/23

Right Out: 0.001+/-0.000 χ^2/NDF: 10151510.9/28

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

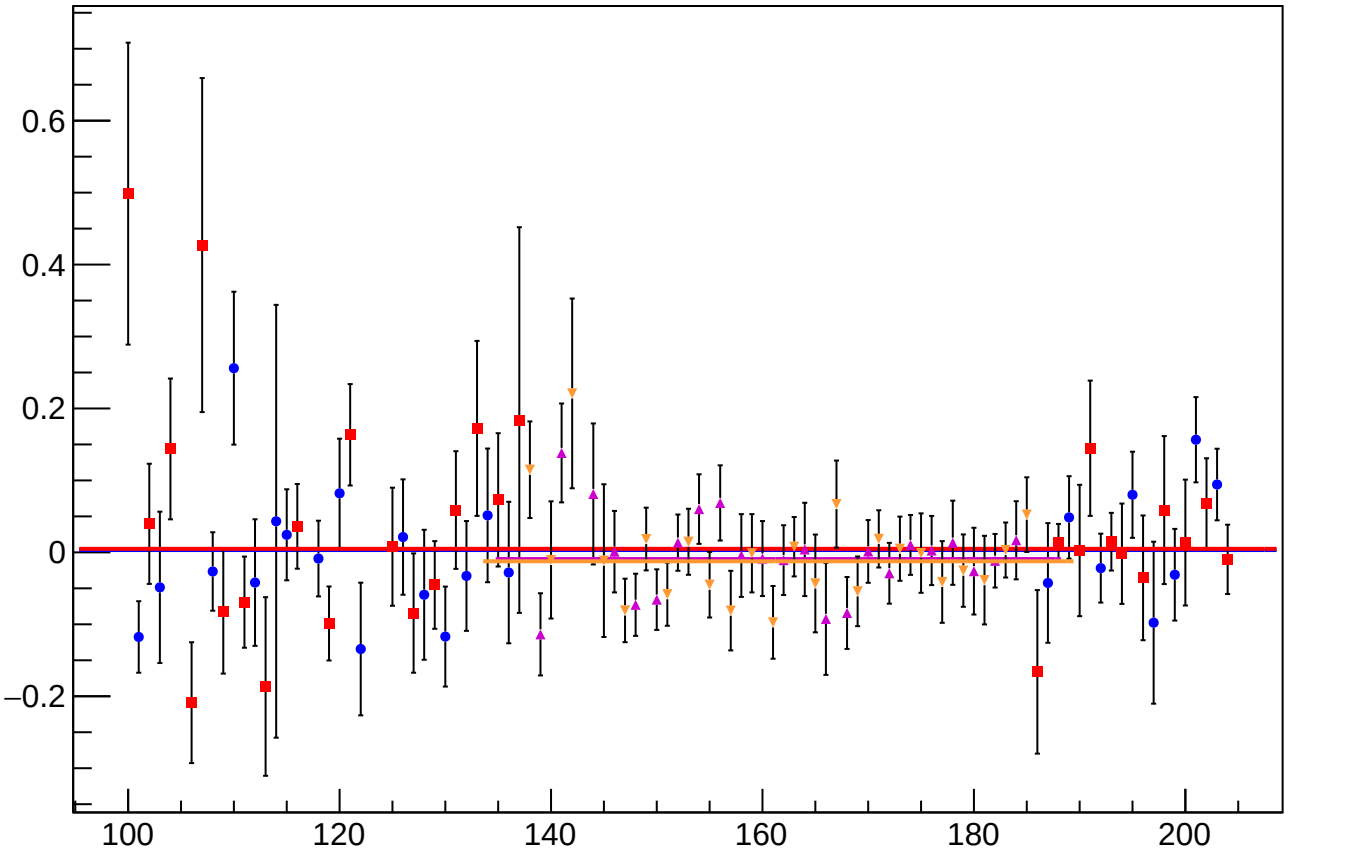
Left: 0.001+/-0.000 χ^2/NDF: 29445135.6/46

Right: 0.001+/-0.000 χ^2/NDF: 18763453.2/52

In: 0.001+/-0.000 χ^2/NDF:24917607.8/46

Out: 0.001+/-0.000 χ^2/NDF:26293391.6/52

All: 0.001+/-0.000 χ^2/NDF: 51279193.4/99



Right In: 0.003+/-0.014 χ^2/NDF: 34.0/23

Left Out: -0.012+/-0.010 χ^2/NDF:21.9/23

Right Out: 0.005+/-0.013 χ^2/NDF: 43.1/28

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

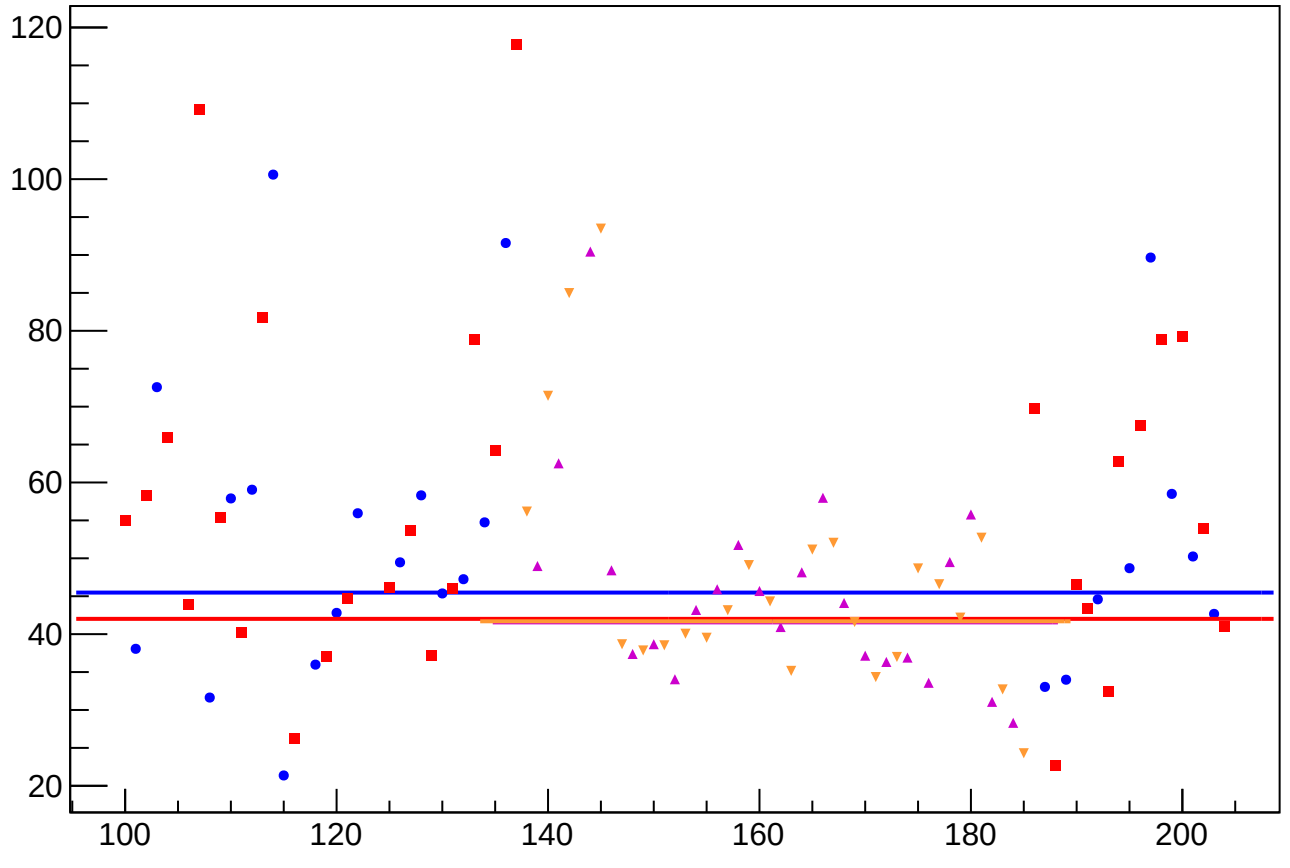
Left: -0.011+/-0.007 χ^2/NDF: 43.9/46

Right: 0.004+/-0.009 χ^2/NDF: 77.1/52

In: -0.005+/-0.008 χ^2/NDF:56.4/46

Out: -0.005+/-0.008 χ^2/NDF:66.1/52

All: -0.005+/-0.006 χ^2/NDF: 122.5/99



Right In: 45.482+/-0.010 χ^2/NDF: 1880189.8/23

Left Out: 41.695+/-0.007 χ^2/NDF:1821753.6/23

Right Out: 42.016+/-0.009 χ^2/NDF: 3667006.8/28

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

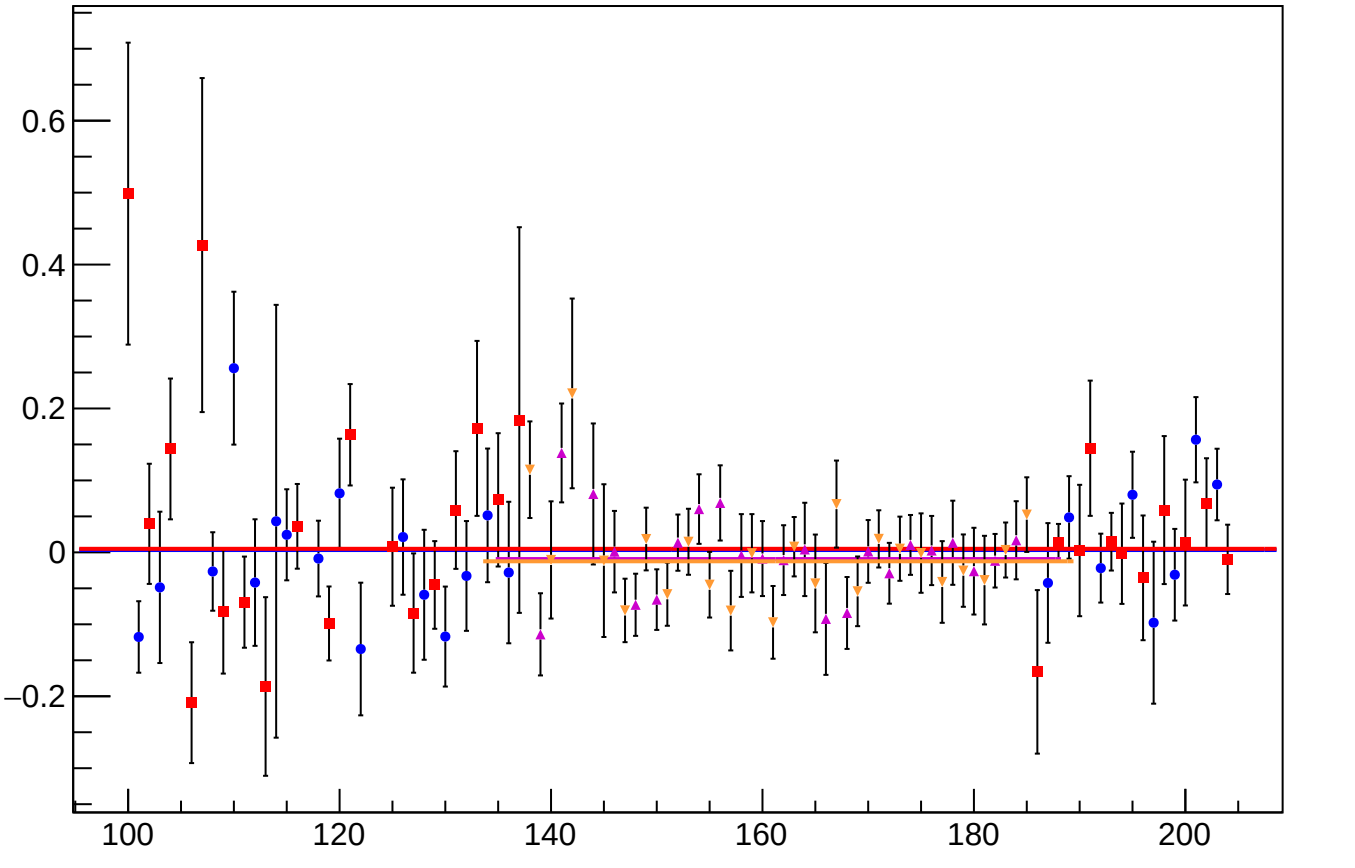
Left: 41.623+/-0.005 χ^2/NDF: 3434883.2/46

Right: 43.555+/-0.007 χ^2/NDF: 5614198.6/52

In: 42.947+/-0.006 χ^2/NDF:3593115.9/46

Out: 41.826+/-0.006 χ^2/NDF:5489527.8/52

All: 42.363+/-0.004 χ^2/NDF: 9101145.0/99



Right In: 0.003+/-0.014 χ^2/NDF: 34.0/23

Left Out: -0.012+/-0.010 χ^2/NDF:21.9/23

Right Out: 0.005+/-0.013 χ^2/NDF: 43.1/28

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

Left: -0.011+/-0.007 χ^2/NDF: 43.9/46

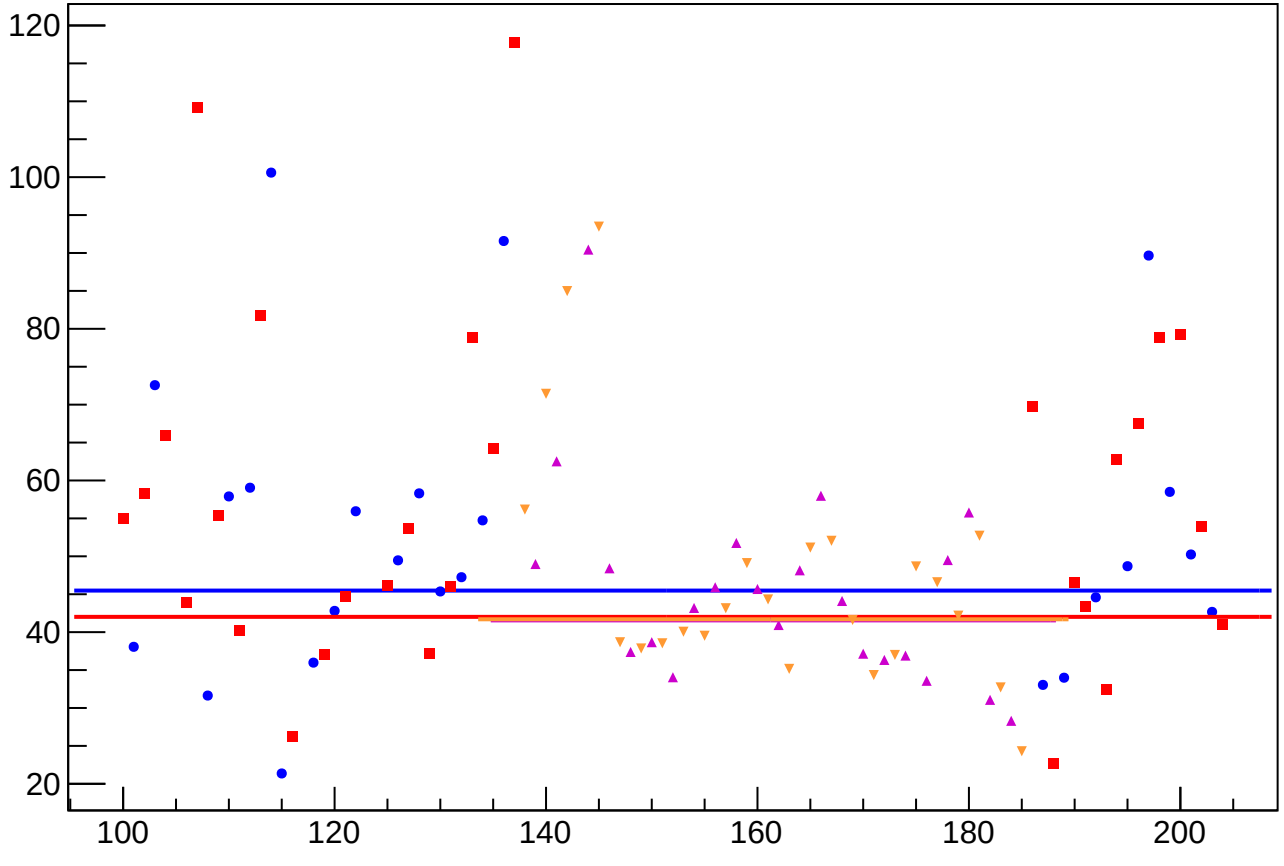
Right: 0.004+/-0.009 χ^2/NDF: 77.1/52

In: -0.005+/-0.008 χ^2/NDF:56.4/46

Out: -0.005+/-0.008 χ^2/NDF:66.1/52

All: -0.005+/-0.006 χ^2/NDF: 122.5/99

asym_usl_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 45.482+/-0.010 χ^2/NDF: 1880189.8/23

Left Out: 41.695+/-0.007 χ^2/NDF:1821753.6/23

Right Out: 42.016+/-0.009 χ^2/NDF: 3667006.8/28

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

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

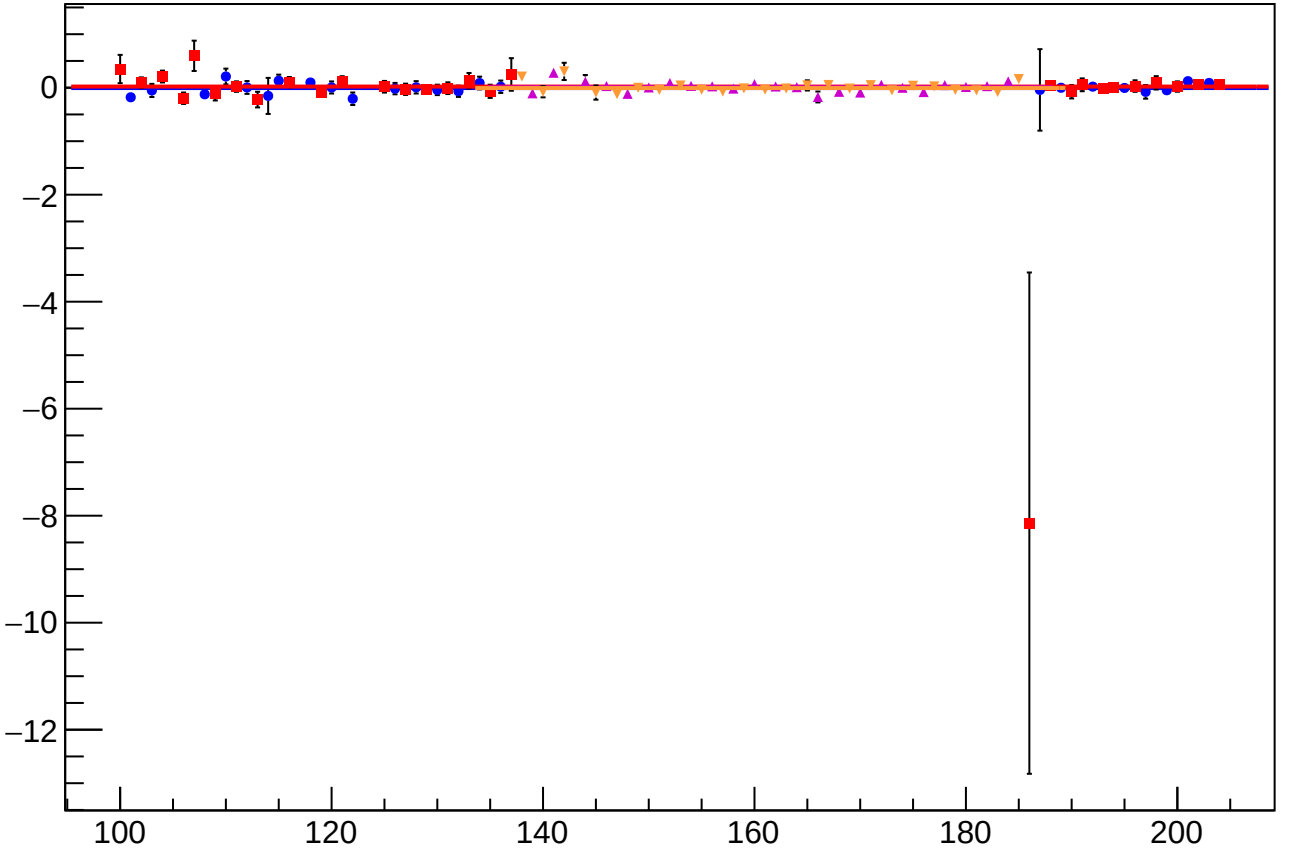
Right: 43.555+/-0.007 χ^2/NDF: 5614198.6/52

In: 42.947+/-0.006 χ^2/NDF:3593115.9/46

Out: 41.826+/-0.006 χ^2/NDF:5489527.8/52

All: 42.363+/-0.004 χ^2/NDF: 9101145.0/99

asym_usl_eigen_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.007+/-0.019 χ^2/NDF: 24.4/23

Left Out: -0.007+/-0.015 χ^2/NDF:23.7/23

Right Out: 0.021+/-0.018 χ^2/NDF: 27.9/28

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

Left: 0.000+/-0.011 χ^2/NDF: 52.2/46

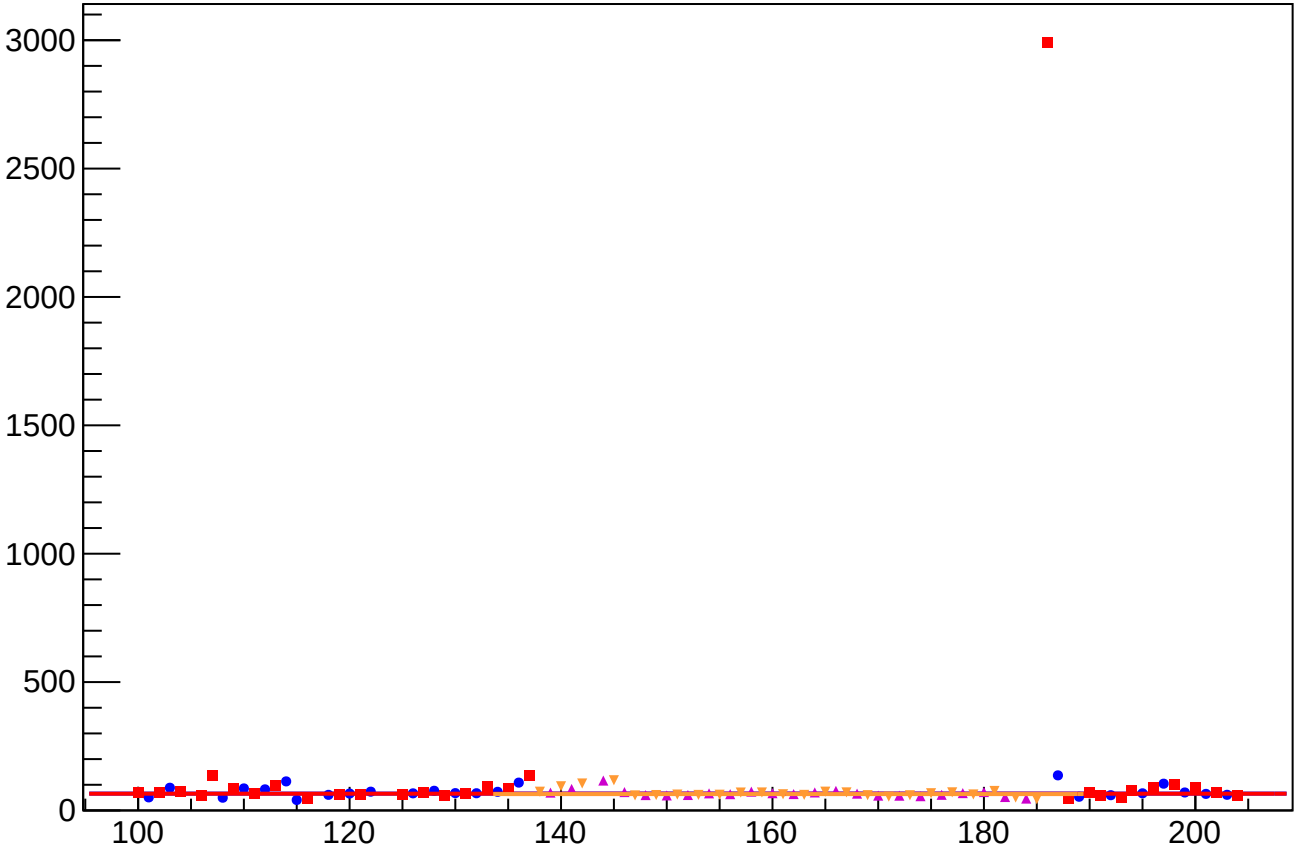
Right: 0.008+/-0.013 χ^2/NDF: 53.4/52

In: 0.002+/-0.012 χ^2/NDF:52.9/46

Out: 0.005+/-0.012 χ^2/NDF:52.9/52

All: 0.003+/-0.008 χ^2/NDF: 105.8/99

asym_usl_eigen_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



Right In: 65.670+/-0.014 χ^2/NDF: 1051448.7/23

Left Out: 63.779+/-0.011 χ^2/NDF:1078810.5/23

Right Out: 65.242+/-0.013 χ^2/NDF: 2310126.1/28

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

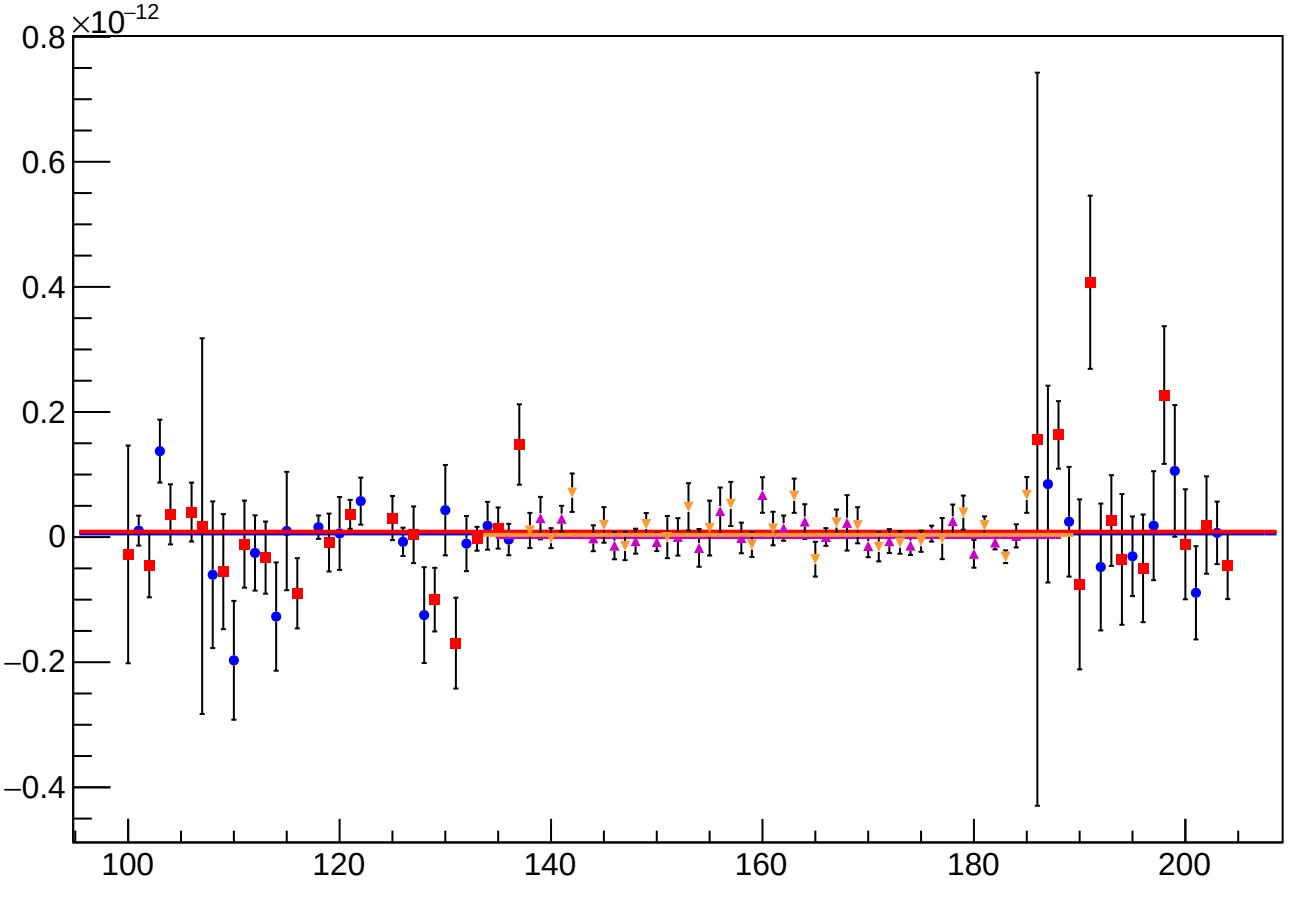
Left: 63.907+/-0.008 χ^2/NDF: 1917872.4/46

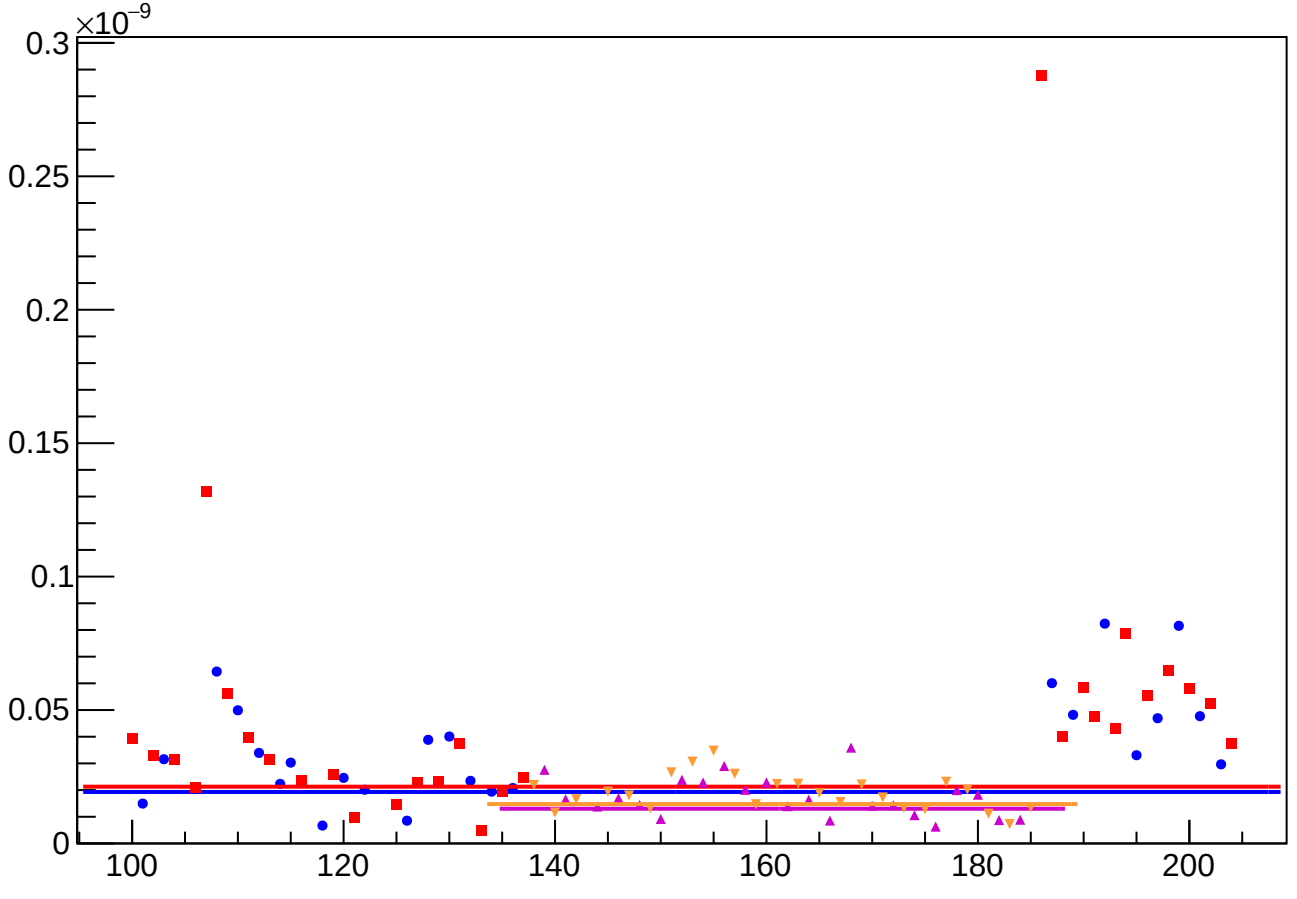
Right: 65.443+/-0.009 χ^2/NDF: 3362089.0/52

In: 64.670+/-0.009 χ^2/NDF:1898868.0/46

Out: 64.386+/-0.008 χ^2/NDF:3396426.6/52

All: 64.524+/-0.006 χ^2/NDF: 5295858.1/99


asym_usl_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.8
0.6
0.4
0.2
0
−0.2
−0.4
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 23.9/23
Left Out: 0.000+/-0.000 χ²/NDF:40.6/23
Right Out: 0.000+/-0.000 χ²/NDF: 46.4/28
Left In: 0.000+/-0.000 χ²/NDF:17.1/22
Left: 0.000+/-0.000 χ²/NDF: 58.0/46
Right: 0.000+/-0.000 χ²/NDF: 70.4/52
In: 0.000+/-0.000 χ²/NDF:41.4/46
Out: 0.000+/-0.000 χ²/NDF:87.2/52
All: 0.000+/-0.000 χ²/NDF: 129.0/99



Right In: 0.000+/-0.000 χ^2/NDF: 5032180.3/23

Left Out: 0.000+/-0.000 χ^2/NDF:3531388.4/23

Right Out: 0.000+/-0.000 χ^2/NDF: 6290797.4/28

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

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

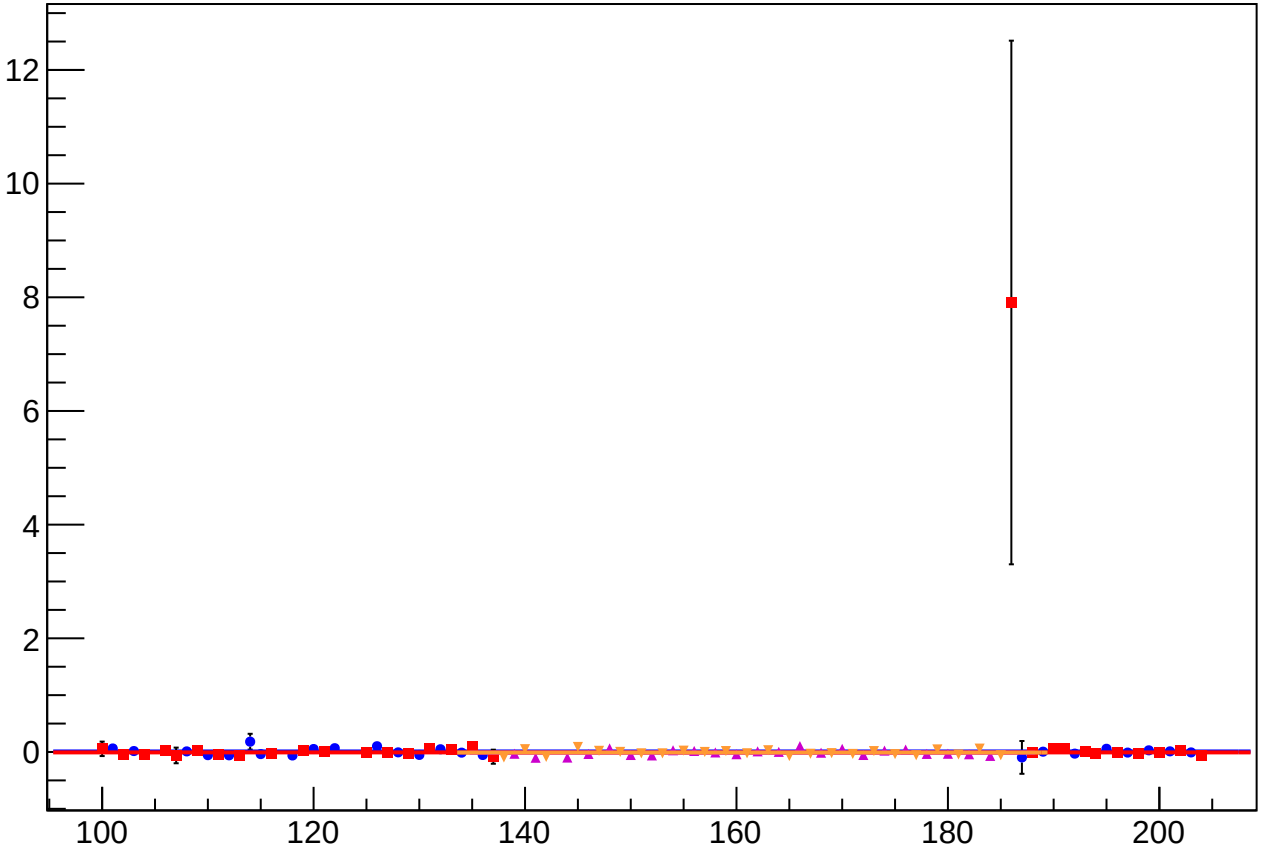
Right: 0.000+/-0.000 χ^2/NDF: 11372134.9/52

In: 0.000+/-0.000 χ^2/NDF:9810517.6/46

Out: 0.000+/-0.000 χ^2/NDF:10650980.8/52

All: 0.000+/-0.000 χ^2/NDF: 20695190.7/99

asym_usl_overload_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.010 χ^2/NDF: 18.7/23

Left Out: -0.010+/-0.009 χ^2/NDF:19.4/23

Right Out: -0.007+/-0.009 χ^2/NDF: 20.7/28

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

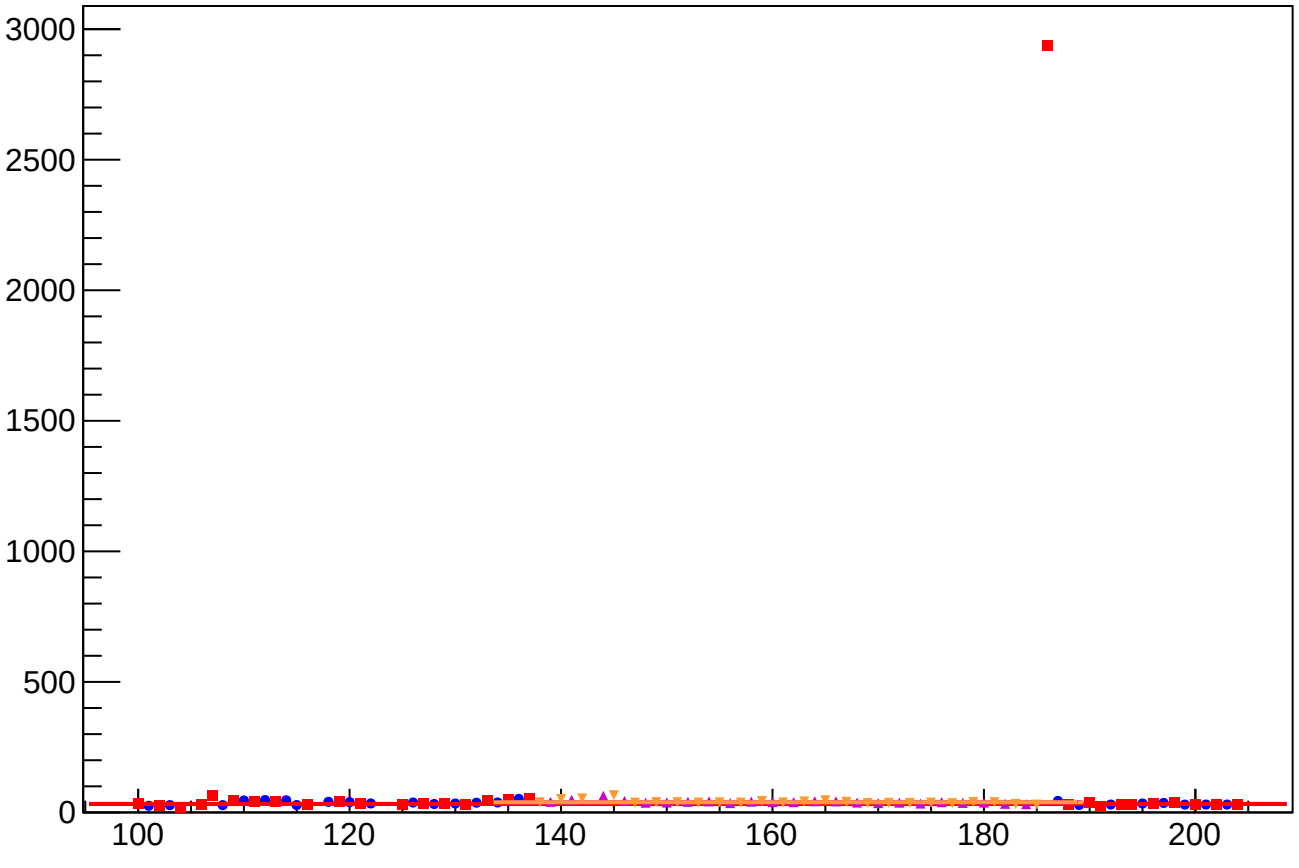
Left: -0.010+/-0.007 χ^2/NDF: 42.7/46

Right: 0.000+/-0.007 χ^2/NDF: 41.0/52

In: -0.001+/-0.007 χ^2/NDF:44.2/46

Out: -0.008+/-0.006 χ^2/NDF:40.2/52

All: -0.005+/-0.005 χ^2/NDF: 85.1/99



Right In: 32.782+/-0.007 χ^2/NDF: 744196.5/23

Left Out: 38.972+/-0.007 χ^2/NDF:624525.1/23

Right Out: 32.224+/-0.006 χ^2/NDF: 1899171.8/28

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

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

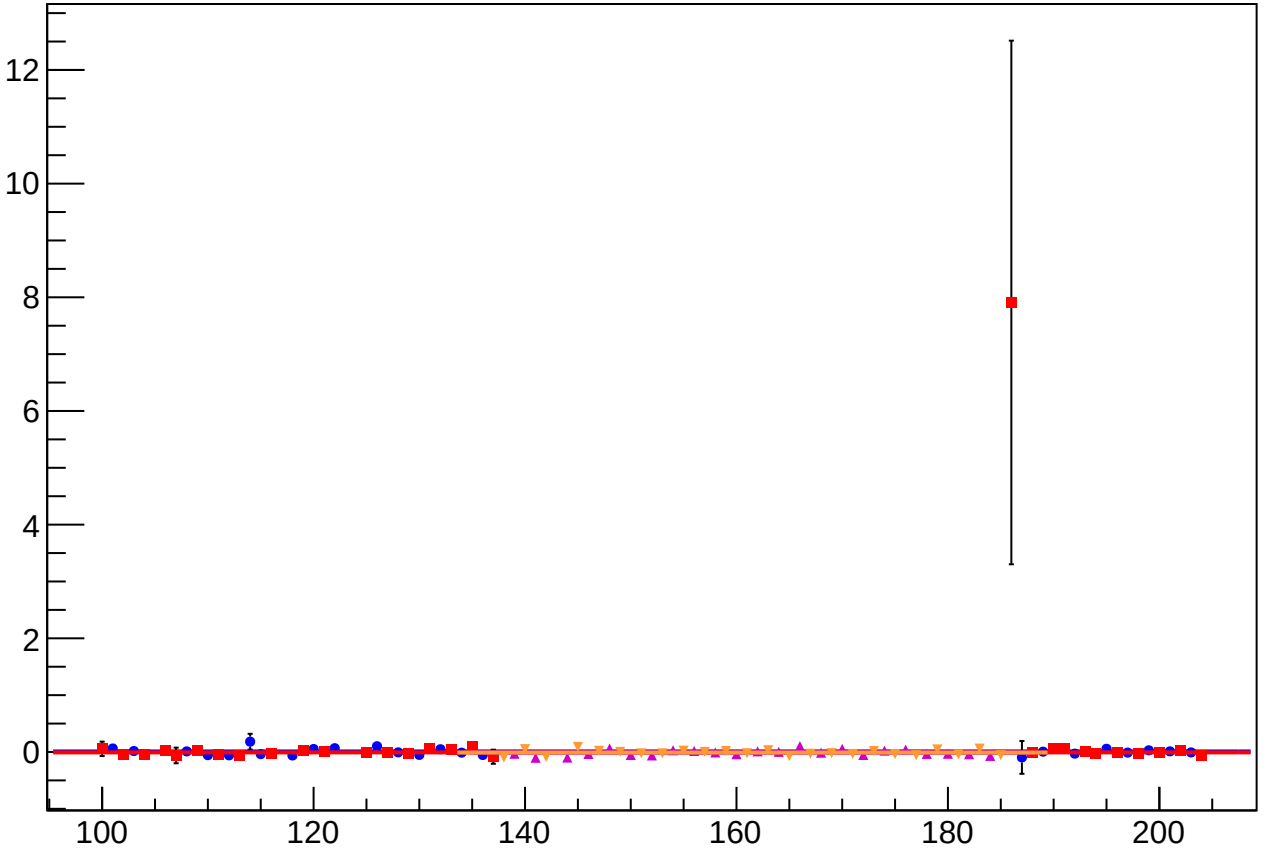
Right: 32.481+/-0.005 χ^2/NDF: 2646992.0/52

In: 36.004+/-0.005 χ^2/NDF:1710393.3/46

Out: 35.396+/-0.005 χ^2/NDF:3062622.7/52

All: 35.686+/-0.003 χ^2/NDF: 4781410.2/99

asym_usl_overload_cor_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.010 χ^2/NDF: 18.7/23

Left Out: -0.010+/-0.009 χ^2/NDF:19.4/23

Right Out: -0.007+/-0.009 χ^2/NDF: 20.7/28

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

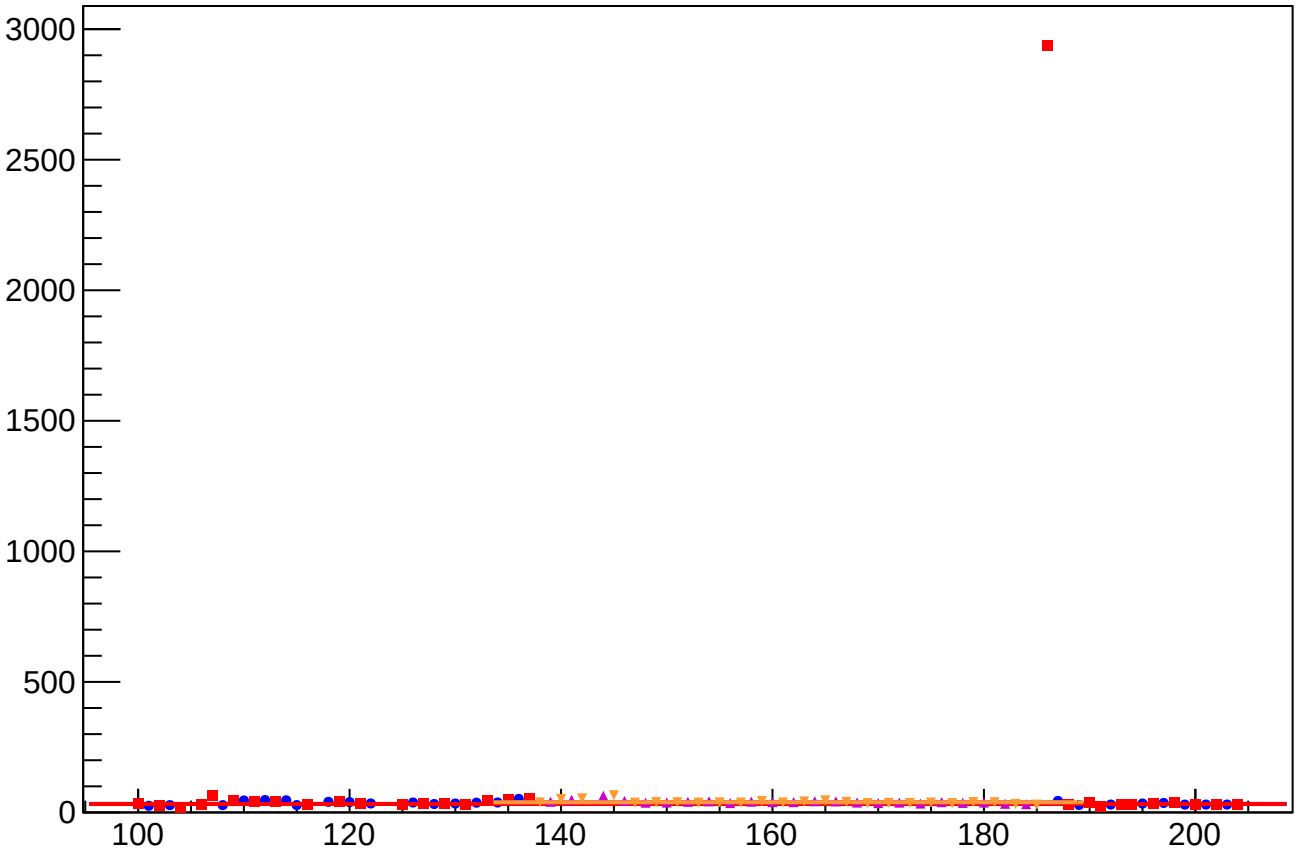
Left: -0.010+/-0.007 χ^2/NDF: 42.7/46

Right: 0.000+/-0.007 χ^2/NDF: 41.0/52

In: -0.001+/-0.007 χ^2/NDF:44.2/46

Out: -0.008+/-0.006 χ^2/NDF:40.2/52

All: -0.005+/-0.005 χ^2/NDF: 85.1/99



Right In: 32.782+/-0.007 χ^2/NDF: 744196.5/23

Left Out: 38.972+/-0.007 χ^2/NDF:624525.1/23

Right Out: 32.224+/-0.006 χ^2/NDF: 1899171.8/28

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

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

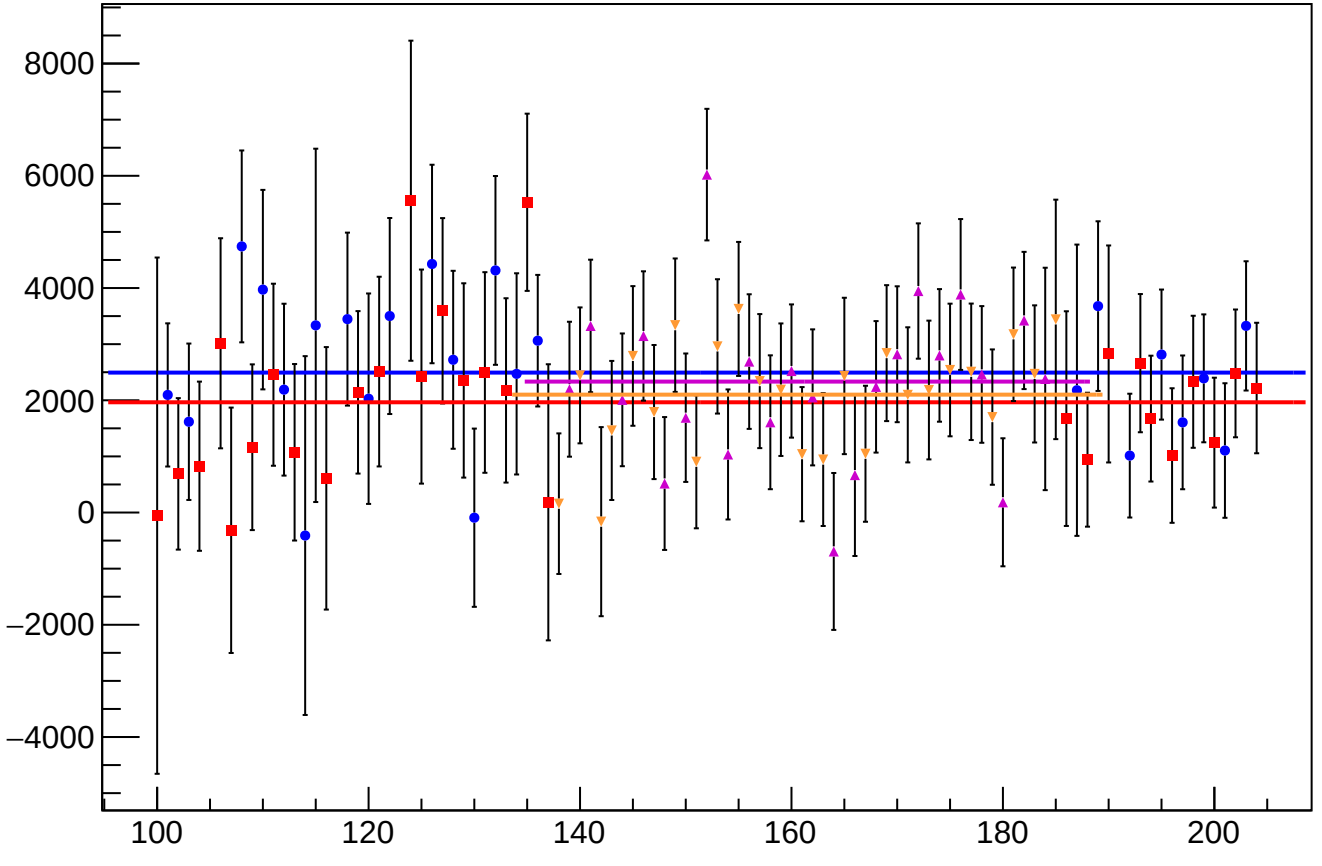
Right: 32.481+/-0.005 χ^2/NDF: 2646992.0/52

In: 36.004+/-0.005 χ^2/NDF:1710393.3/46

Out: 35.396+/-0.005 χ^2/NDF:3062622.7/52

All: 35.686+/-0.003 χ^2/NDF: 4781410.2/99

reg_asym_usr_mean vs Slug, Sign Corrected



Right In: 2493.282+/-301.090 χ^2/NDF: 14.8/23

Left Out: 2100.398+/-248.306 χ^2/NDF:13.8/24

Right Out: 1964.382+/-282.756 χ^2/NDF: 15.3/28

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

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

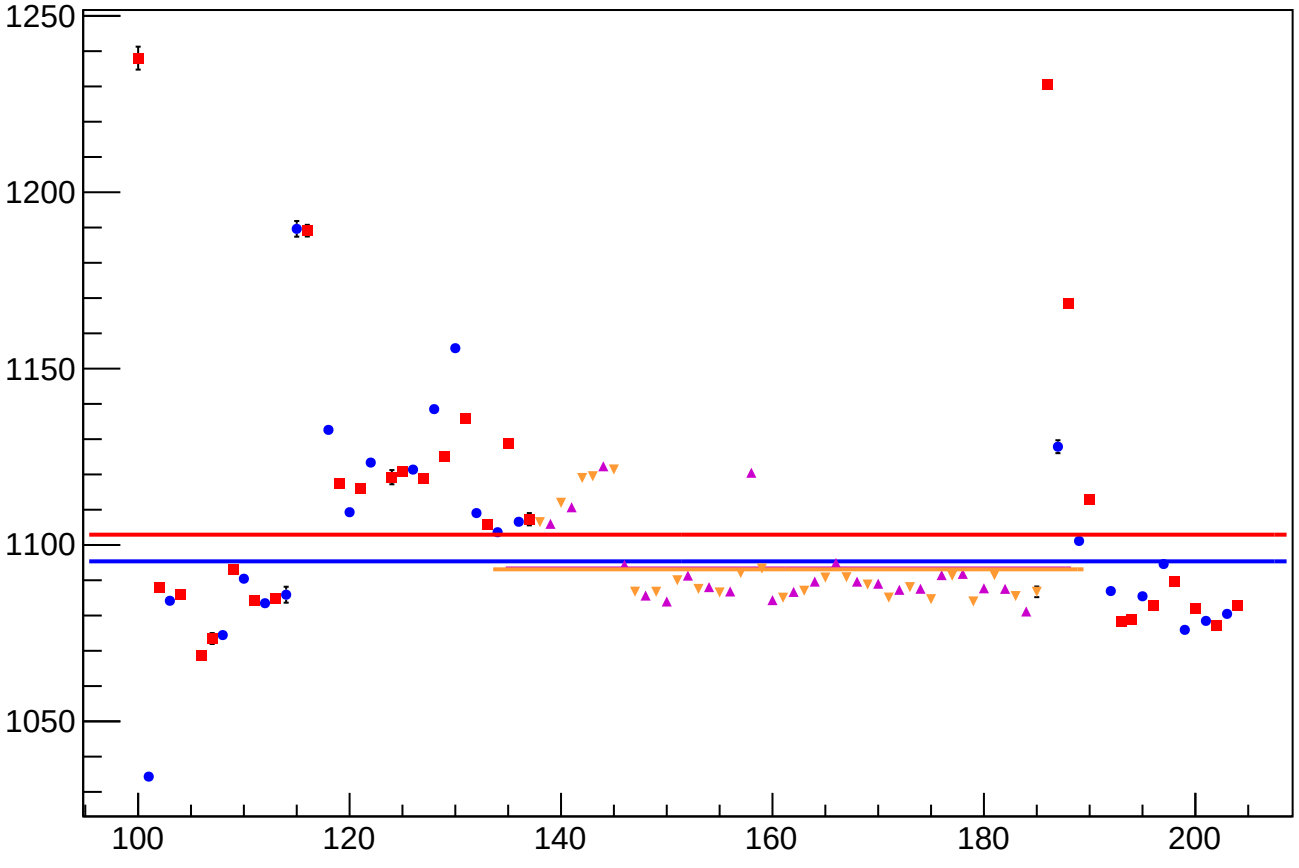
Right: 2212.239+/-206.116 χ^2/NDF: 31.8/52

In: 2400.007+/-194.716 χ^2/NDF:44.5/46

Out: 2041.176+/-186.577 χ^2/NDF:29.3/53

All: 2212.935+/-134.715 χ^2/NDF: 75.5/100

reg_asym_usr_rms vs Slug, Sign Corrected



Right In: 1095.361+/-0.213 χ^2/NDF: 15834.6/23

Left Out: 1093.102+/-0.176 χ^2/NDF:3983.2/24

Right Out: 1102.925+/-0.200 χ^2/NDF: 28697.6/28

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

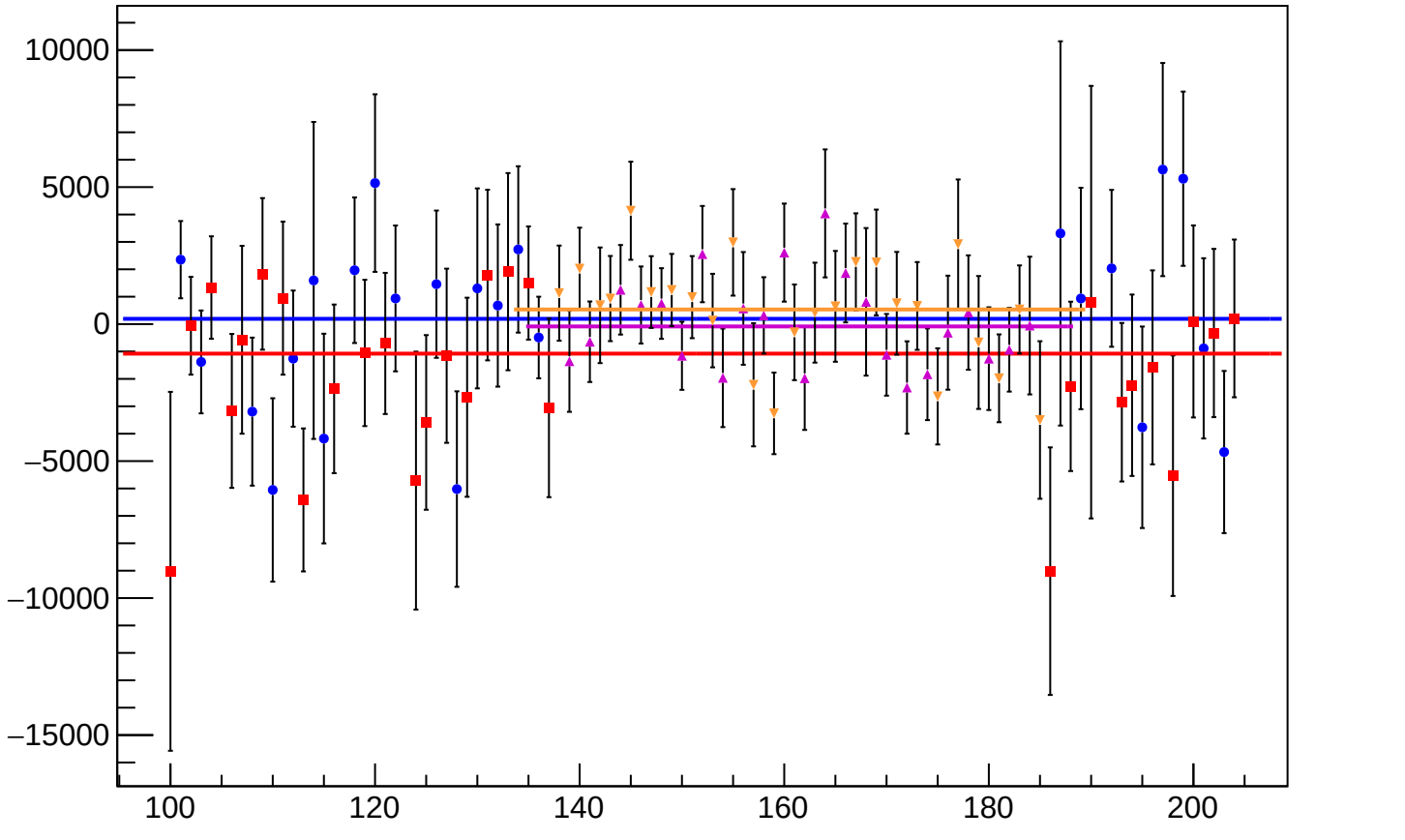
Left: 1093.217+/-0.126 χ^2/NDF: 7709.8/47

Right: 1099.381+/-0.146 χ^2/NDF: 45203.0/52

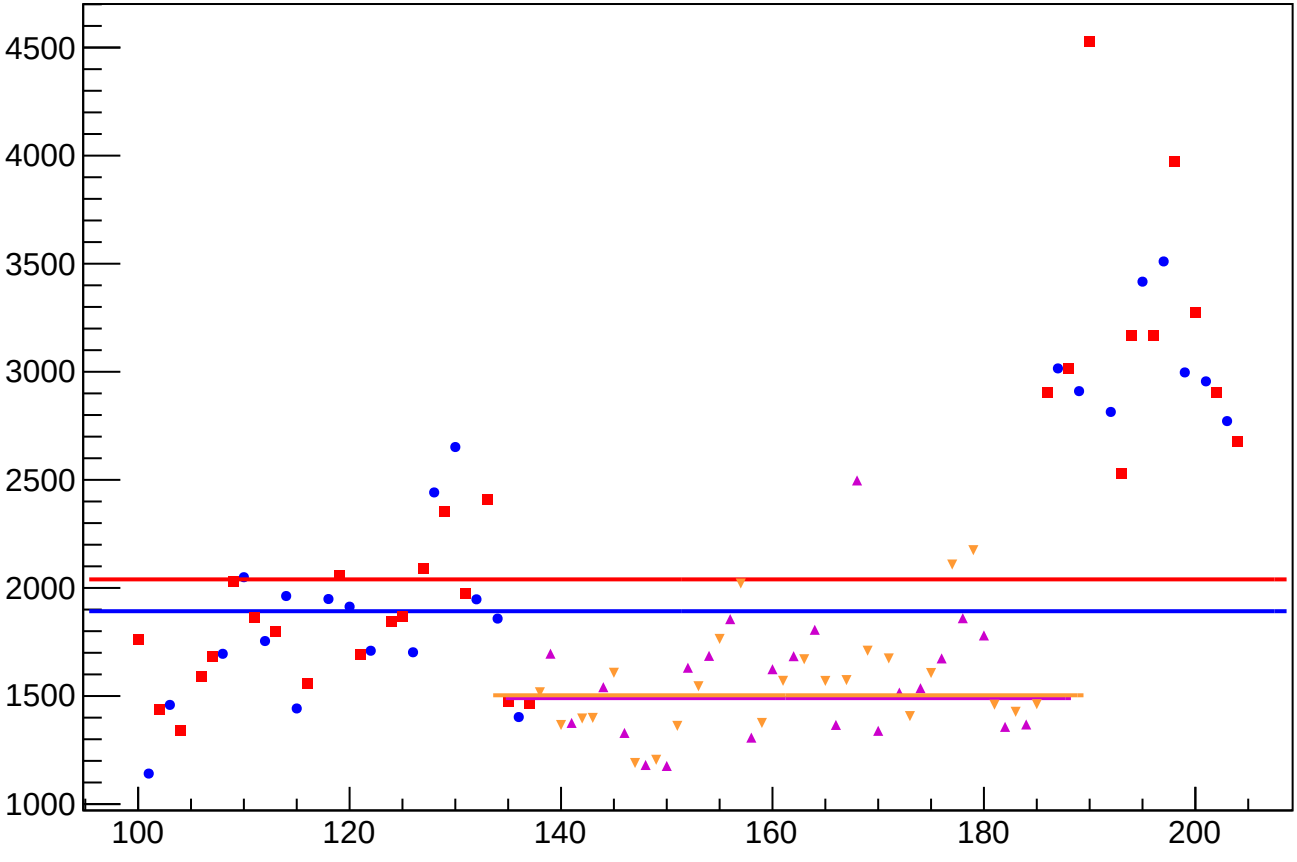
In: 1094.184+/-0.138 χ^2/NDF:19612.8/46

Out: 1097.379+/-0.132 χ^2/NDF:34043.6/53

All: 1095.850+/-0.095 χ^2/NDF: 53937.2/100


asym_usr_reg_correction_mean vs Slug, Sign Corrected
10000
5000
0
−5000
−10000
−15000
100
120
140
160
180
200
Right In: 192.250+/-553.287 χ²/NDF: 26.1/23
Left Out: 532.982+/-347.223 χ²/NDF:26.4/24
Right Out: -1077.975+/-551.740 χ²/NDF: 20.5/28
Left In: -85.329+/-353.933 χ²/NDF:18.1/22
Left: 229.744+/-247.862 χ²/NDF: 46.1/47
Right: -444.640+/-390.685 χ²/NDF: 49.3/52
In: -4.725+/-298.150 χ²/NDF:44.3/46
Out: 75.967+/-293.872 χ²/NDF:53.1/53
All: 36.204+/-209.295 χ²/NDF: 97.4/100

asym_usr_reg_correction_rms vs Slug, Sign Corrected



Right In: 1892.399+/-0.391 χ^2/NDF: 2797974.0/23

Left Out: 1503.437+/-0.246 χ^2/NDF:799670.9/24

Right Out: 2039.621+/-0.390 χ^2/NDF: 2811925.6/28

Left In: 1490.314+/-0.250 χ^2/NDF:968221.5/22

Left: 1497.001+/-0.175 χ^2/NDF: 1769293.4/47

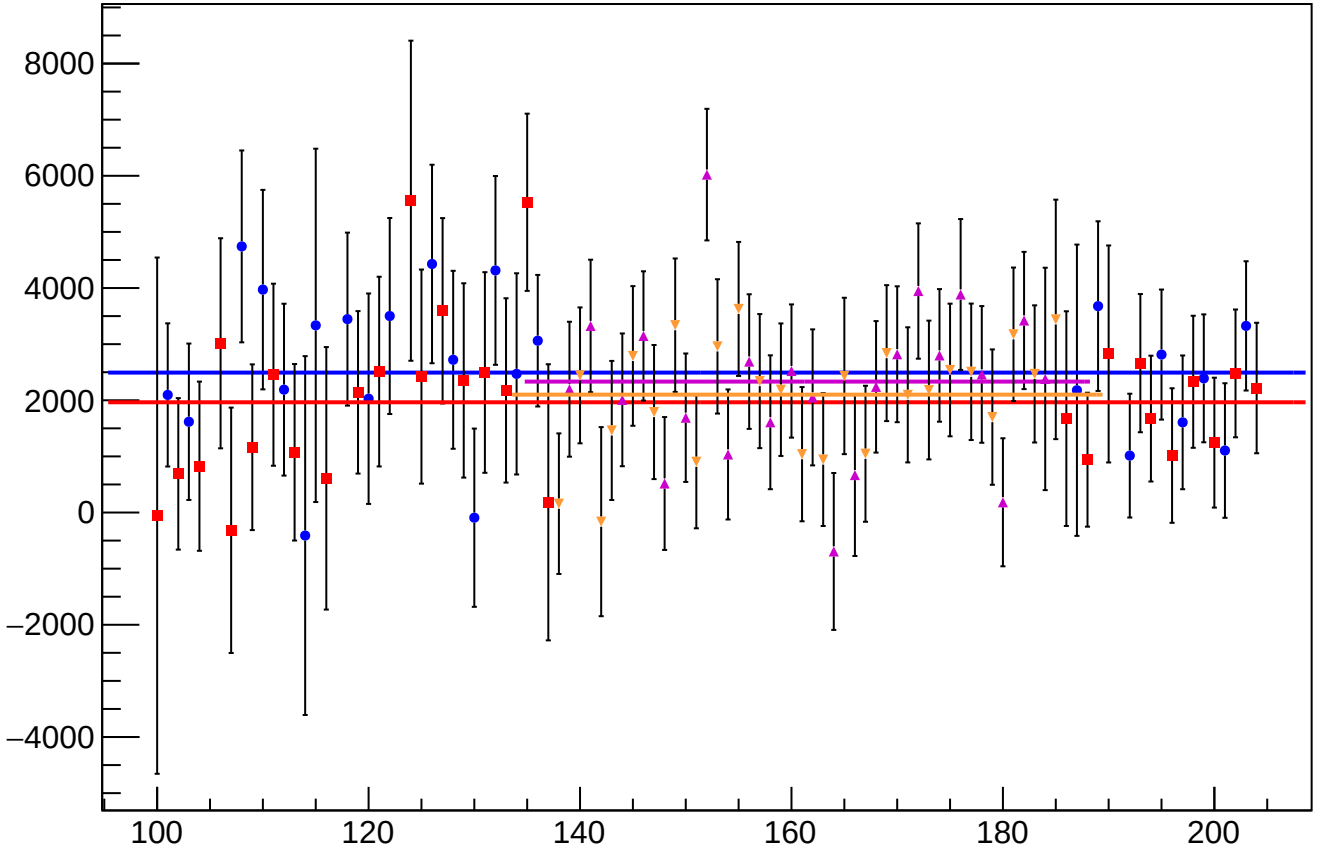
Right: 1966.216+/-0.276 χ^2/NDF: 5680898.8/52

In: 1607.072+/-0.211 χ^2/NDF:4515728.0/46

Out: 1655.548+/-0.208 χ^2/NDF:4964564.5/53

All: 1631.660+/-0.148 χ^2/NDF: 9507109.4/10

cor_asym_usr_mean vs Slug, Sign Corrected



Right In: 2493.282+/-301.090 χ^2/NDF: 14.8/23

Left Out: 2100.398+/-248.306 χ^2/NDF:13.8/24

Right Out: 1964.382+/-282.756 χ^2/NDF: 15.3/28

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

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

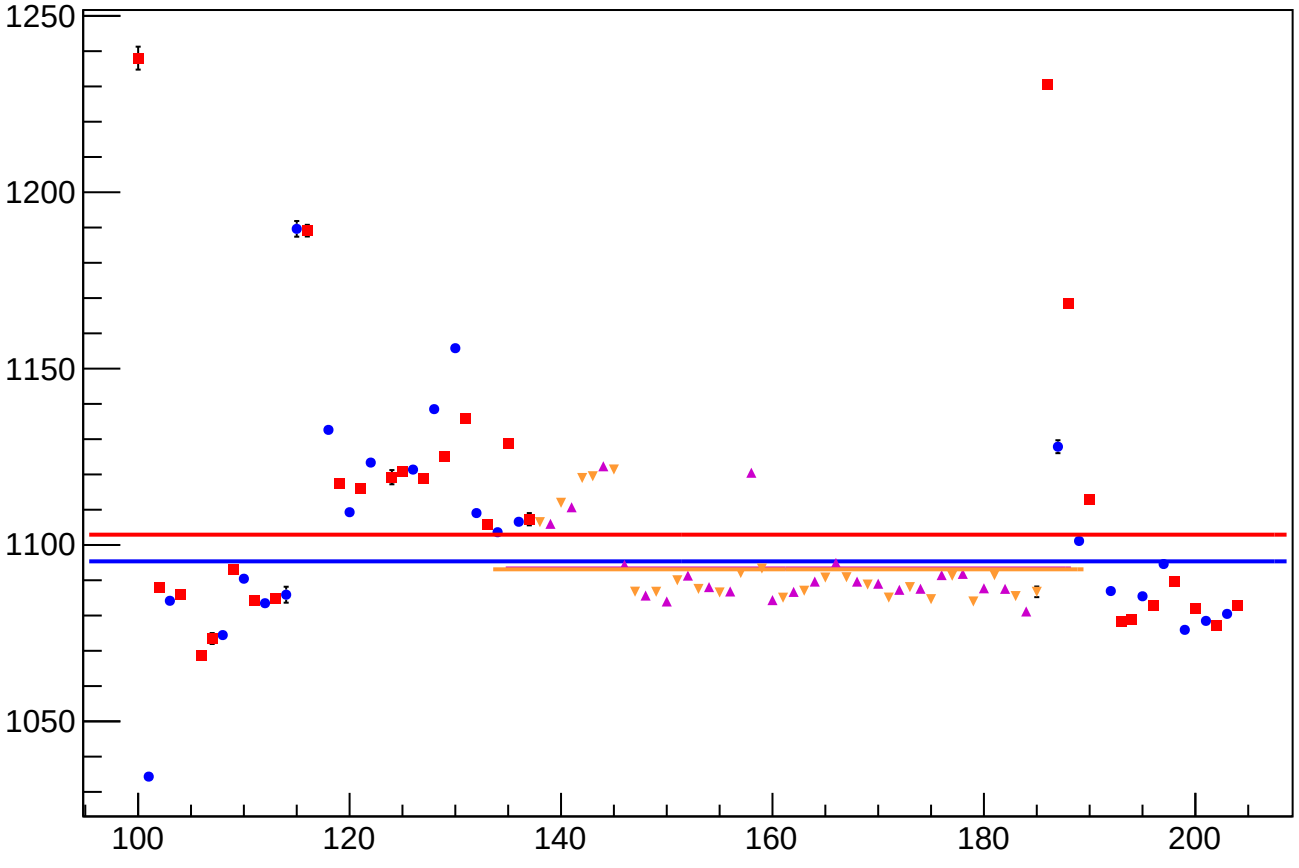
Right: 2212.239+/-206.116 χ^2/NDF: 31.8/52

In: 2400.007+/-194.716 χ^2/NDF:44.5/46

Out: 2041.176+/-186.577 χ^2/NDF:29.3/53

All: 2212.935+/-134.715 χ^2/NDF: 75.5/100

cor_asym_usr_rms vs Slug, Sign Corrected



Right In: 1095.361+/-0.213 χ^2/NDF: 15834.6/23

Left Out: 1093.102+/-0.176 χ^2/NDF:3983.2/24

Right Out: 1102.925+/-0.200 χ^2/NDF: 28697.6/28

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

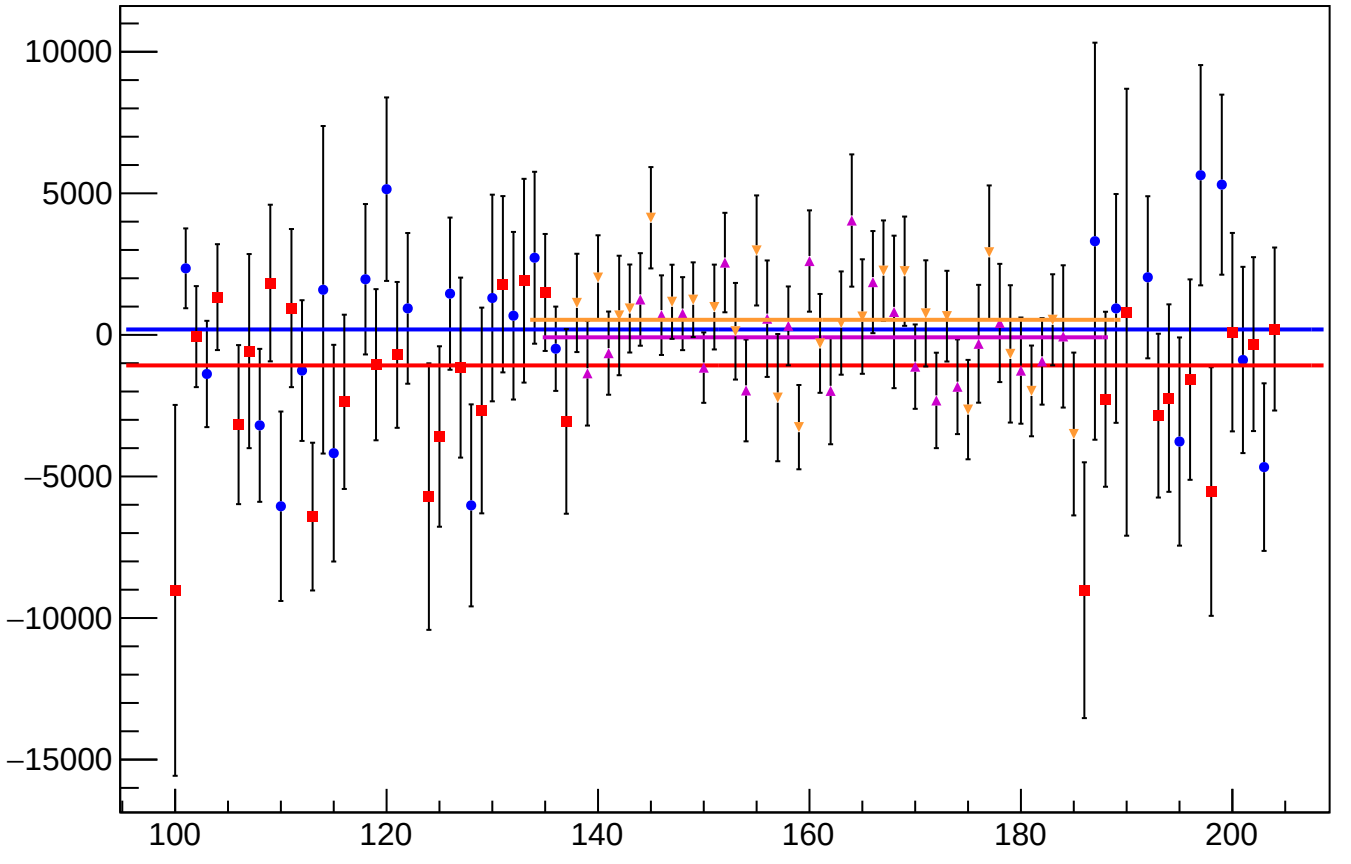
Left: 1093.217+/-0.126 χ^2/NDF: 7709.8/47

Right: 1099.381+/-0.146 χ^2/NDF: 45203.0/52

In: 1094.184+/-0.138 χ^2/NDF:19612.8/46

Out: 1097.379+/-0.132 χ^2/NDF:34043.6/53

All: 1095.850+/-0.095 χ^2/NDF: 53937.2/100



Right In: 192.250+/-553.287 χ^2/NDF: 26.1/23

Left Out: 532.982+/-347.223 χ^2/NDF:26.4/24

Right Out: -1077.975+/-551.740 χ^2/NDF: 20.5/28

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

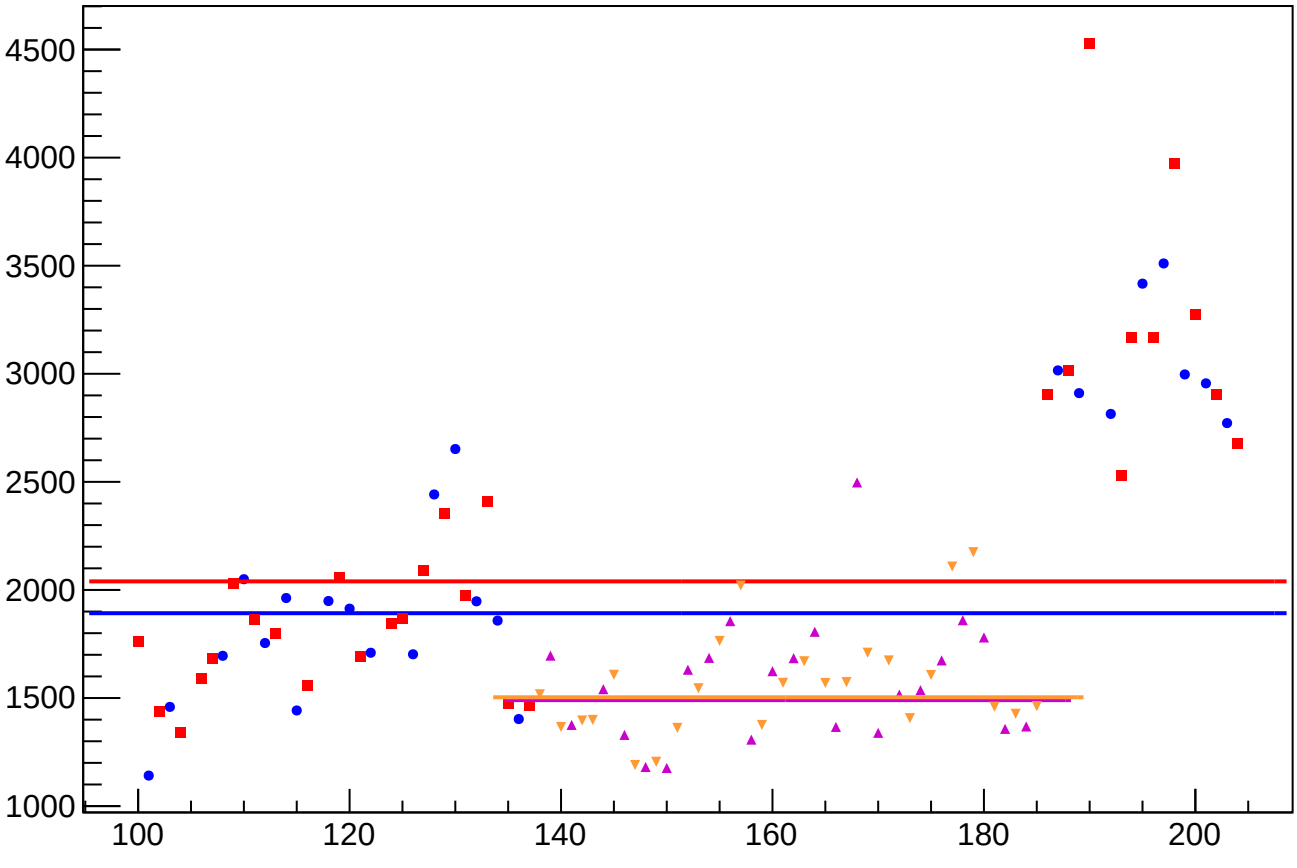
Left: 229.744+/-247.862 χ^2/NDF: 46.1/47

Right: -444.640+/-390.685 χ^2/NDF: 49.3/52

In: -4.725+/-298.150 χ^2/NDF:44.3/46

Out: 75.967+/-293.872 χ^2/NDF:53.1/53

All: 36.204+/-209.295 χ^2/NDF: 97.4/100



Right In: 1892.399+/-0.391 χ^2/NDF: 2797974.0/23

Left Out: 1503.437+/-0.246 χ^2/NDF:799670.9/24

Right Out: 2039.621+/-0.390 χ^2/NDF: 2811925.6/28

Left In: 1490.314+/-0.250 χ^2/NDF:968221.5/22

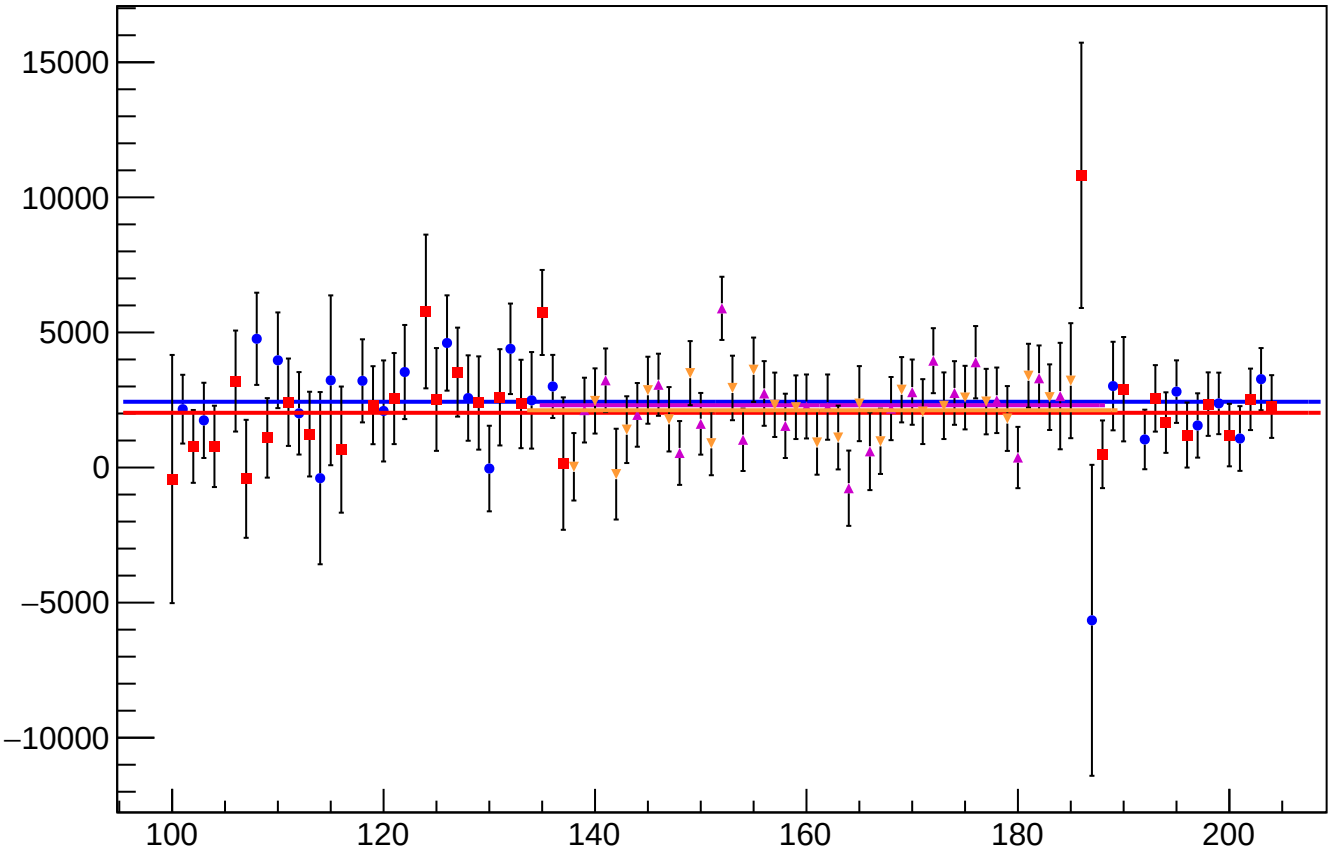
Left: 1497.001+/-0.175 χ^2/NDF: 1769293.4/47

Right: 1966.216+/-0.276 χ^2/NDF: 5680898.8/52

In: 1607.072+/-0.211 χ^2/NDF:4515728.0/46

Out: 1655.548+/-0.208 χ^2/NDF:4964564.5/53

All: 1631.660+/-0.148 χ^2/NDF: 9507109.4/10



Right In: 2434.303+/-303.068 χ^2/NDF: 16.3/23

Left Out: 2119.973+/-247.544 χ^2/NDF:15.1/24

Right Out: 2025.898+/-285.778 χ^2/NDF: 20.1/28

Left In: 2305.411+/-254.497 χ^2/NDF:28.5/22

Left: 2210.124+/-177.447 χ^2/NDF: 43.9/47

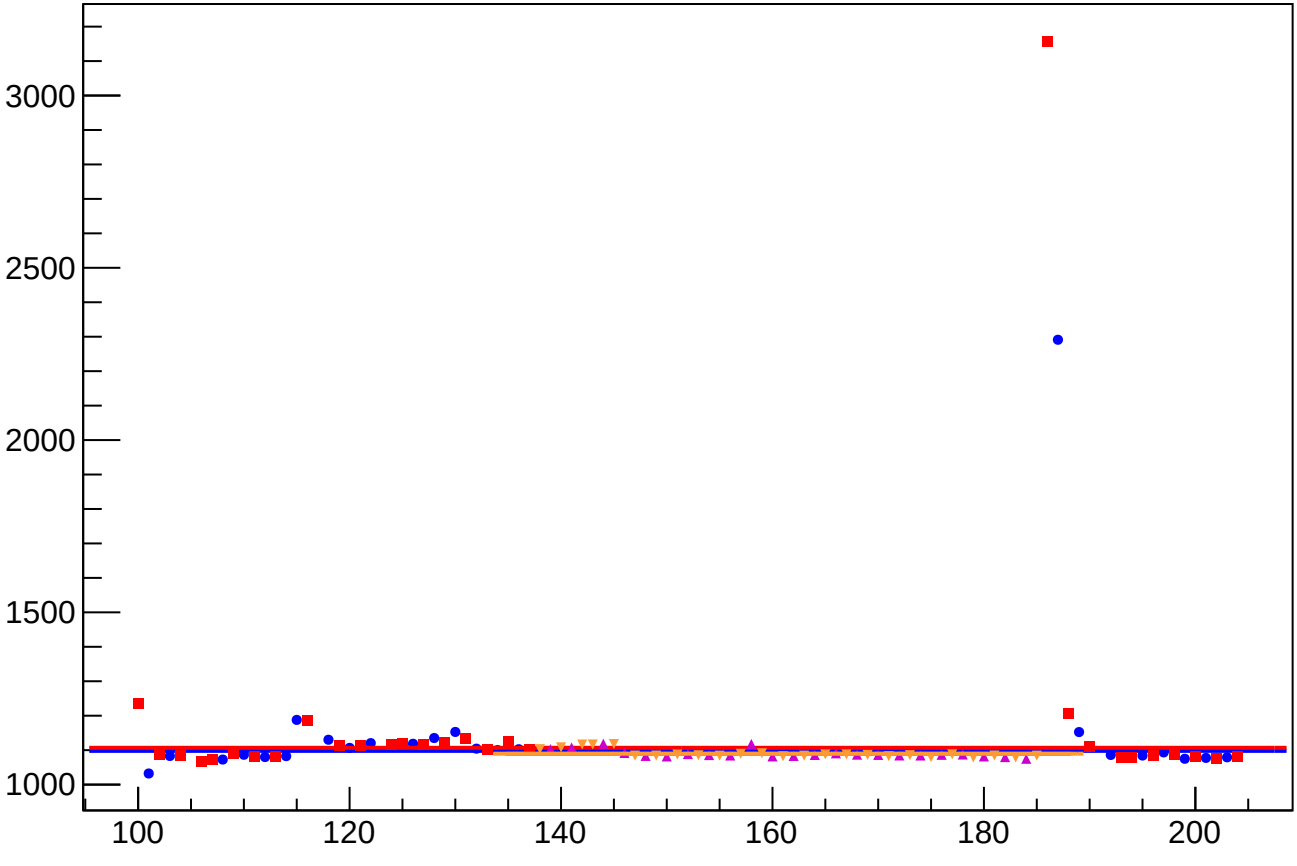
Right: 2218.119+/-207.919 χ^2/NDF: 37.4/52

In: 2358.714+/-194.895 χ^2/NDF:44.8/46

Out: 2079.645+/-187.108 χ^2/NDF:35.3/53

All: 2213.493+/-134.974 χ^2/NDF: 81.2/100

overload_cor_asym_usr_rms vs Slug, Sign Corrected



Right In: 1097.944+/-0.214 χ^2/NDF: 103789.9/23

Left Out: 1089.744+/-0.175 χ^2/NDF:4057.6/24

Right Out: 1106.843+/-0.202 χ^2/NDF: 376287.7/28

Left In: 1089.964+/-0.180 χ^2/NDF:3896.0/22

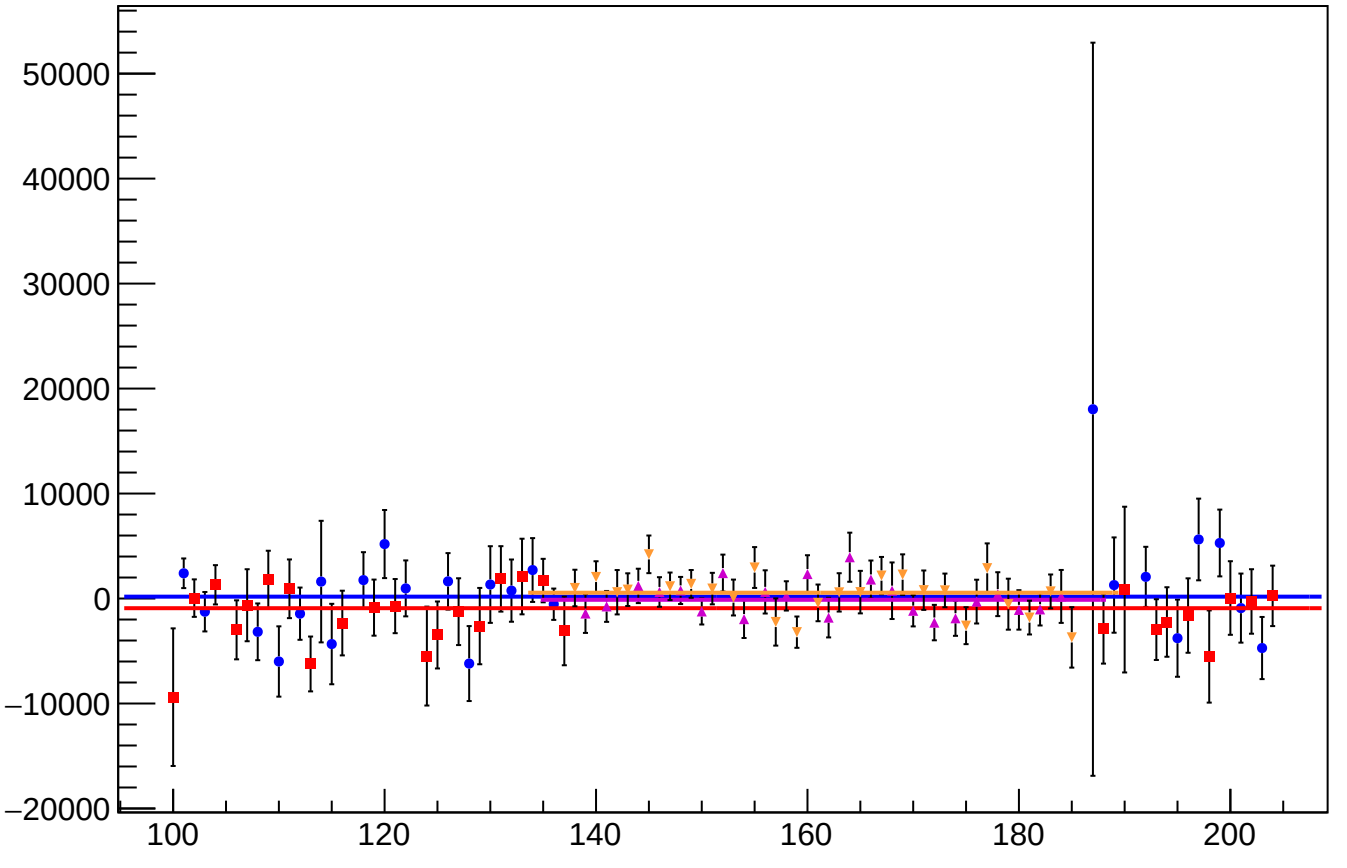
Left: 1089.851+/-0.125 χ^2/NDF: 7954.4/47

Right: 1102.655+/-0.147 χ^2/NDF: 480990.4/52

In: 1093.264+/-0.138 χ^2/NDF:108499.1/46

Out: 1097.074+/-0.132 χ^2/NDF:384436.3/53

All: 1095.247+/-0.095 χ^2/NDF: 493333.0/100



Right In: 178.483+/-556.617 χ^2/NDF: 26.6/23

Left Out: 553.759+/-347.813 χ^2/NDF:26.1/24

Right Out: -921.191+/-557.612 χ^2/NDF: 17.5/27

Left In: -121.420+/-354.540 χ^2/NDF:17.1/22

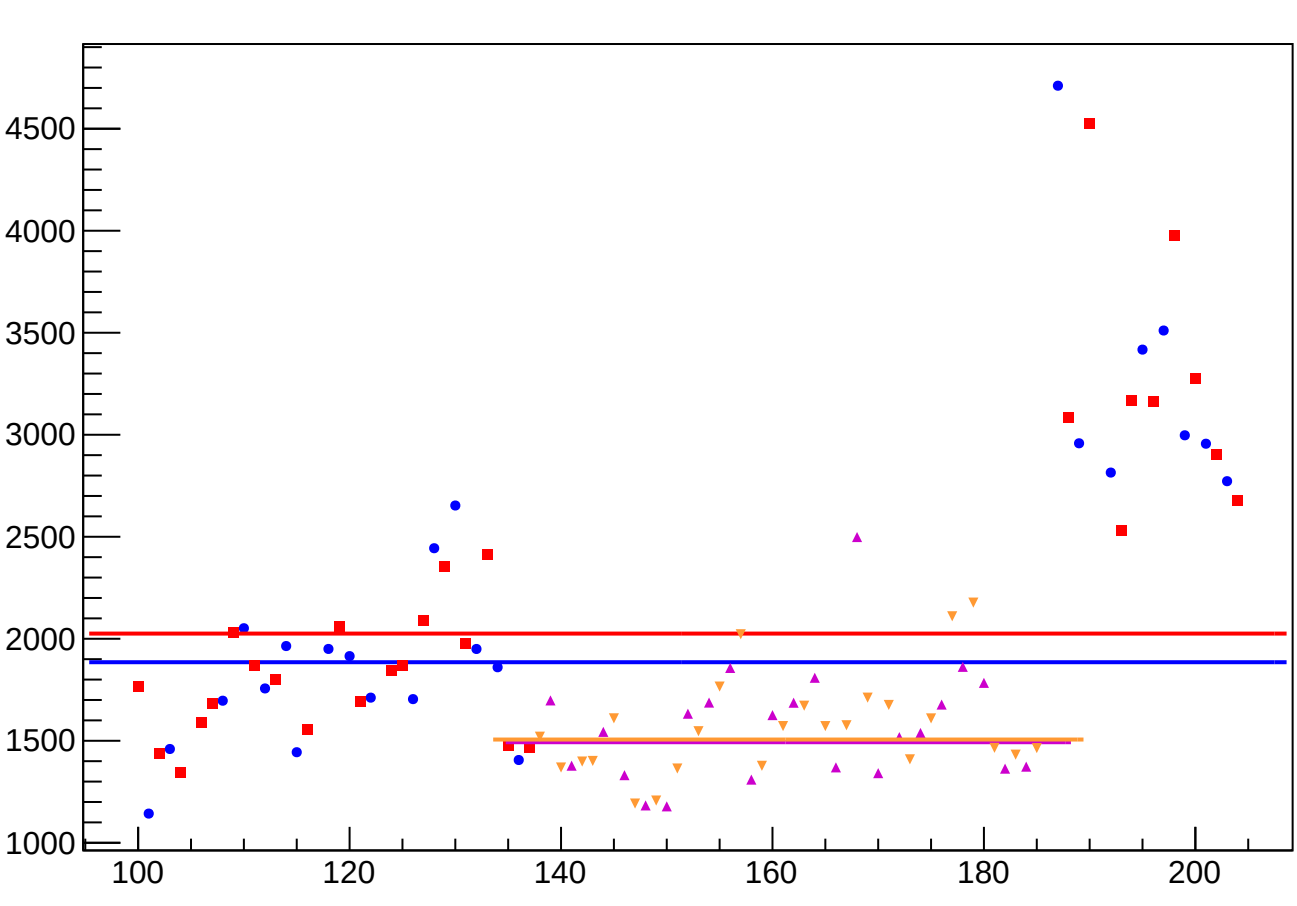
Left: 222.636+/-248.285 χ^2/NDF: 45.1/47

Right: -370.372+/-393.939 χ^2/NDF: 46.0/51

In: -34.863+/-299.032 χ^2/NDF:43.9/46

Out: 140.636+/-295.110 χ^2/NDF:48.7/52

All: 54.045+/-210.047 χ^2/NDF: 92.7/99



Right In: 1885.093+/-0.394 χ^2/NDF: 2734093.1/23

Left Out: 1506.103+/-0.246 χ^2/NDF:796401.8/24

Right Out: 2025.446+/-0.394 χ^2/NDF: 2724313.2/27

Left In: 1492.976+/-0.251 χ^2/NDF:964358.0/22

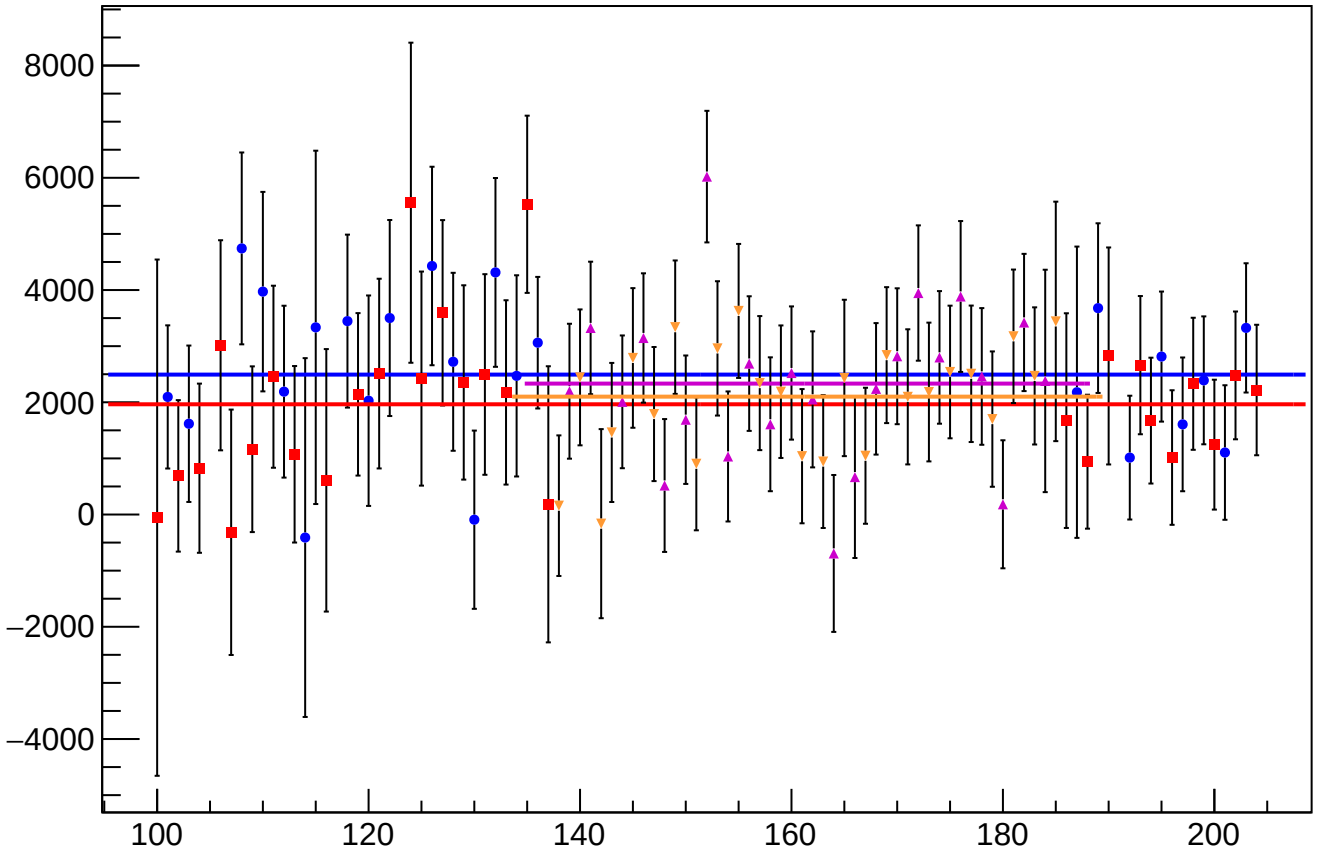
Left: 1499.665+/-0.176 χ^2/NDF: 1762156.9/47

Right: 1955.144+/-0.279 χ^2/NDF: 5521874.5/51

In: 1606.148+/-0.211 χ^2/NDF:4404526.4/46

Out: 1651.567+/-0.209 χ^2/NDF:4769682.5/52

All: 1629.157+/-0.149 χ^2/NDF: 9197584.0/99



Right In: 2493.282+/-301.090 χ^2/NDF: 14.8/23

Left Out: 2100.398+/-248.306 χ^2/NDF:13.8/24

Right Out: 1964.382+/-282.756 χ^2/NDF: 15.3/28

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

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

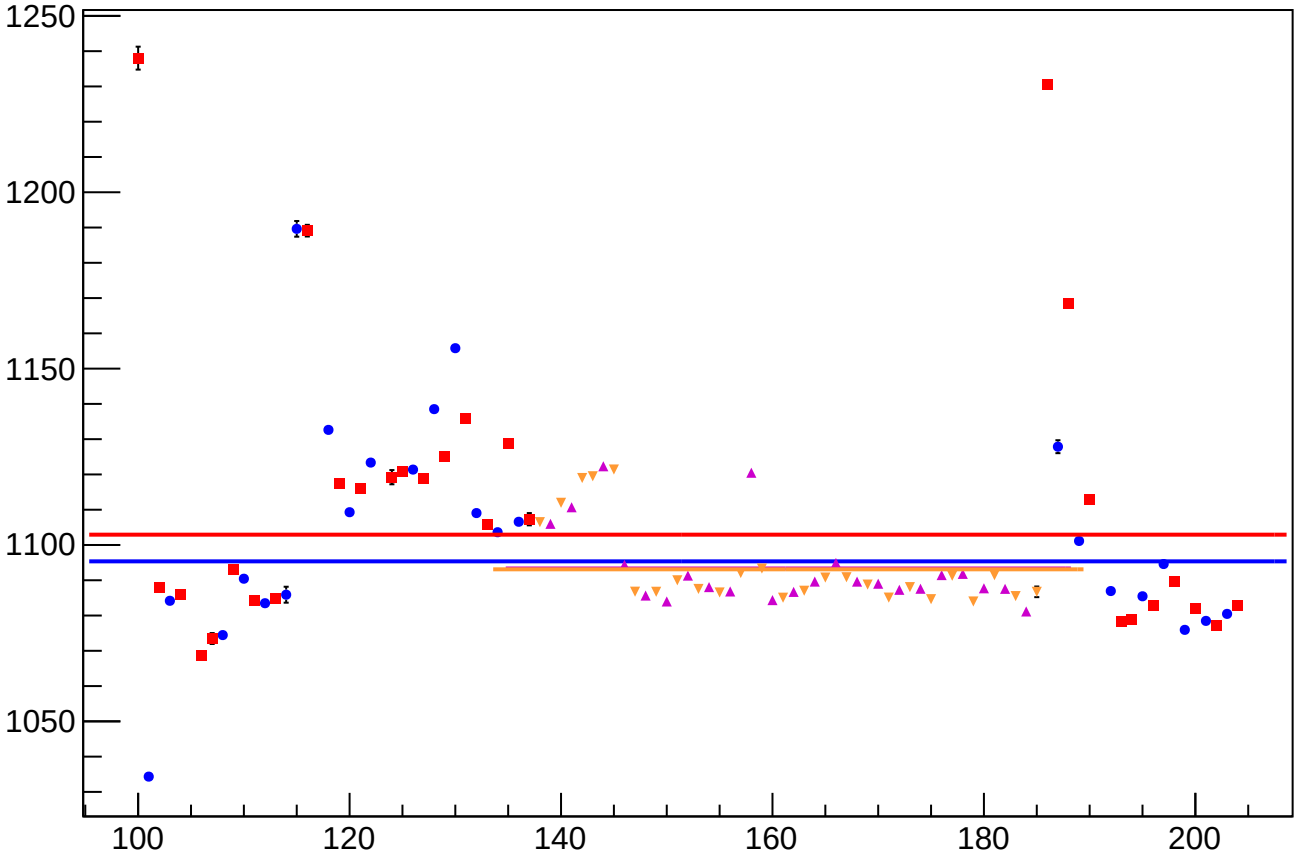
Right: 2212.239+/-206.116 χ^2/NDF: 31.8/52

In: 2400.007+/-194.716 χ^2/NDF:44.5/46

Out: 2041.176+/-186.577 χ^2/NDF:29.3/53

All: 2212.935+/-134.715 χ^2/NDF: 75.5/100

eigen_cor_asym_usr_rms vs Slug, Sign Corrected



Right In: 1095.361+/-0.213 χ^2/NDF: 15834.6/23

Left Out: 1093.102+/-0.176 χ^2/NDF:3983.2/24

Right Out: 1102.925+/-0.200 χ^2/NDF: 28697.6/28

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

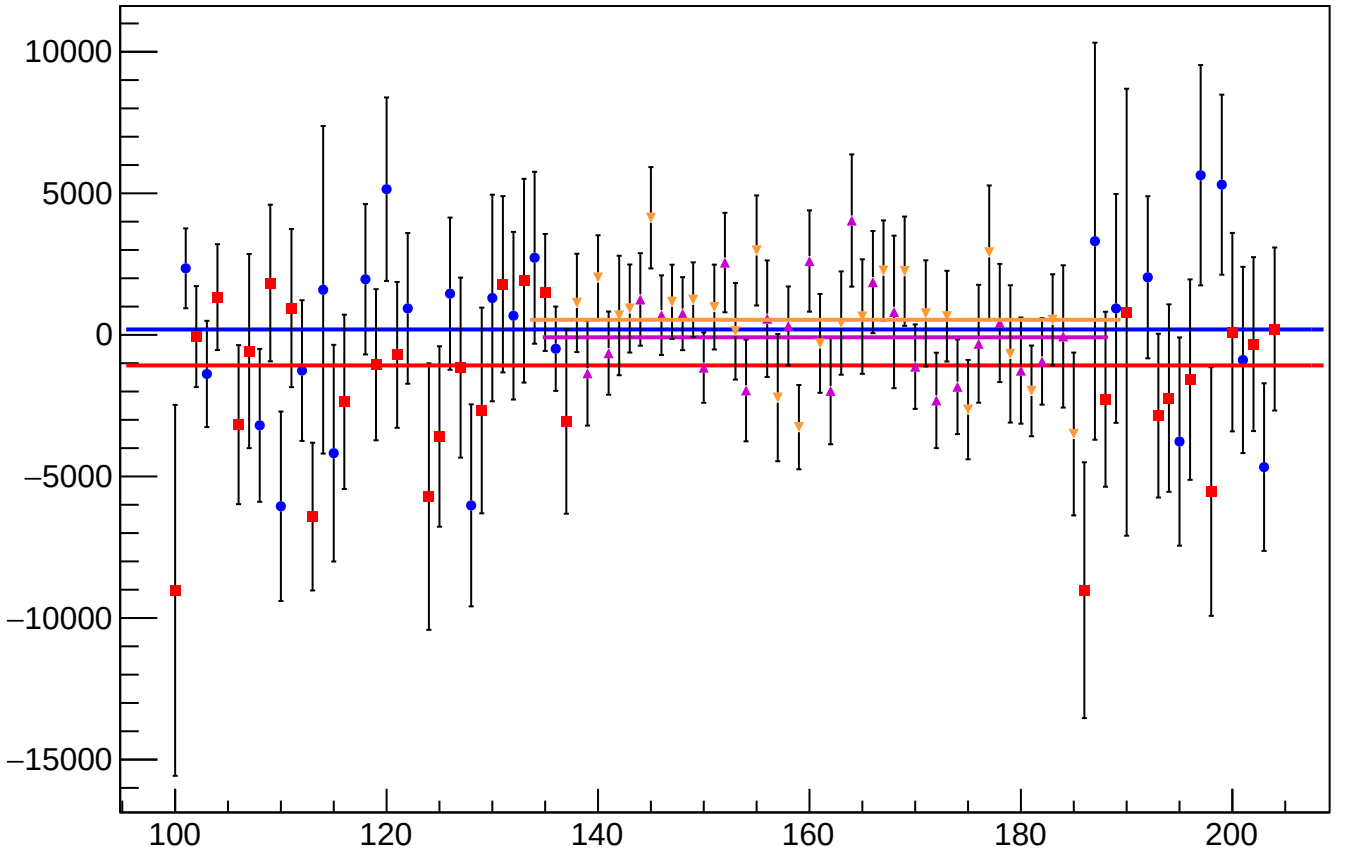
Left: 1093.217+/-0.126 χ^2/NDF: 7709.8/47

Right: 1099.381+/-0.146 χ^2/NDF: 45203.0/52

In: 1094.184+/-0.138 χ^2/NDF:19612.8/46

Out: 1097.379+/-0.132 χ^2/NDF:34043.6/53

All: 1095.850+/-0.095 χ^2/NDF: 53937.2/100



Right In: 192.250+/-553.287 χ^2/NDF: 26.1/23

Left Out: 532.982+/-347.223 χ^2/NDF:26.4/24

Right Out: -1077.975+/-551.740 χ^2/NDF: 20.5/28

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

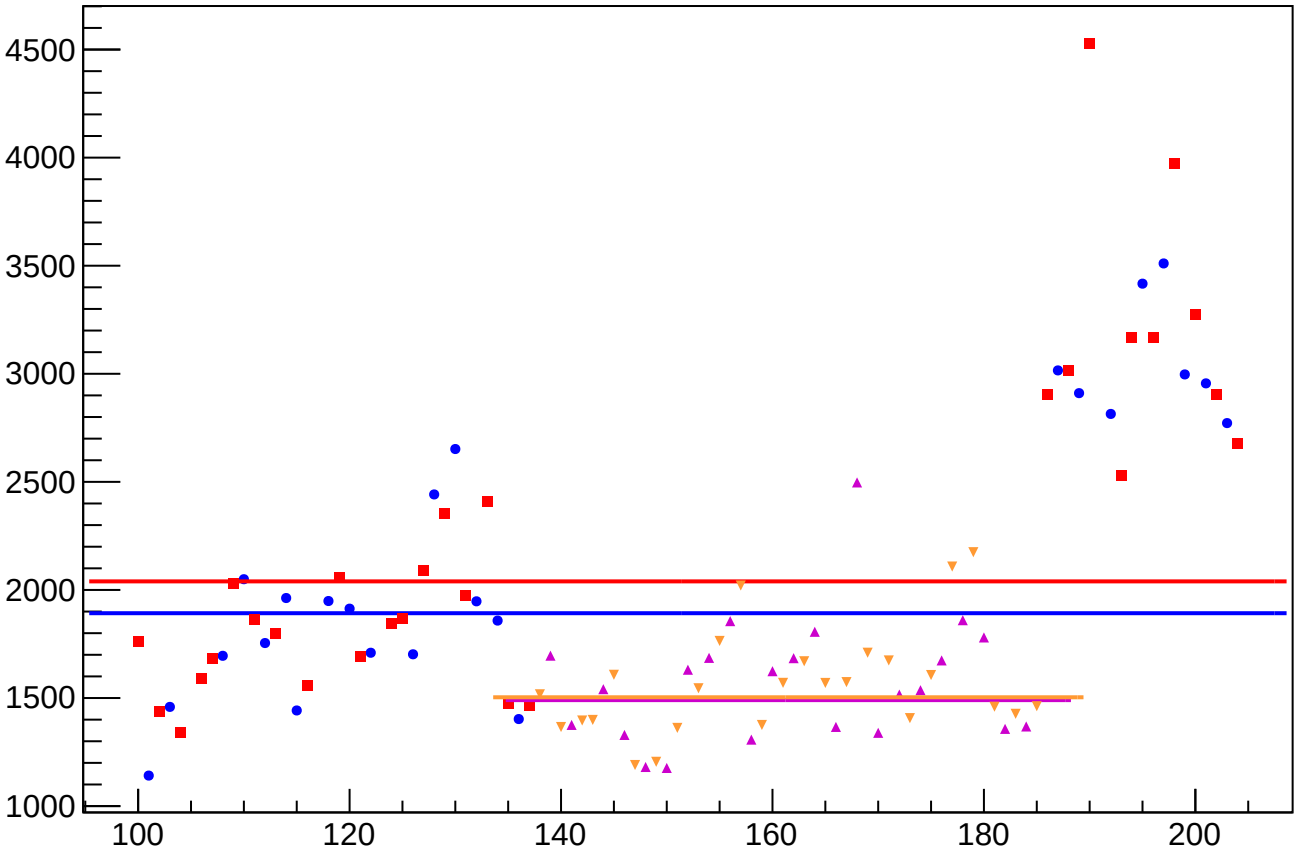
Left: 229.744+/-247.862 χ^2/NDF: 46.1/47

Right: -444.640+/-390.685 χ^2/NDF: 49.3/52

In: -4.725+/-298.150 χ^2/NDF:44.3/46

Out: 75.967+/-293.872 χ^2/NDF:53.1/53

All: 36.204+/-209.295 χ^2/NDF: 97.4/100



Right In: 1892.399+/-0.391 χ^2/NDF: 2797974.0/23

Left Out: 1503.437+/-0.246 χ^2/NDF:799670.9/24

Right Out: 2039.621+/-0.390 χ^2/NDF: 2811925.6/28

Left In: 1490.314+/-0.250 χ^2/NDF:968221.5/22

Left: 1497.001+/-0.175 χ^2/NDF: 1769293.4/47

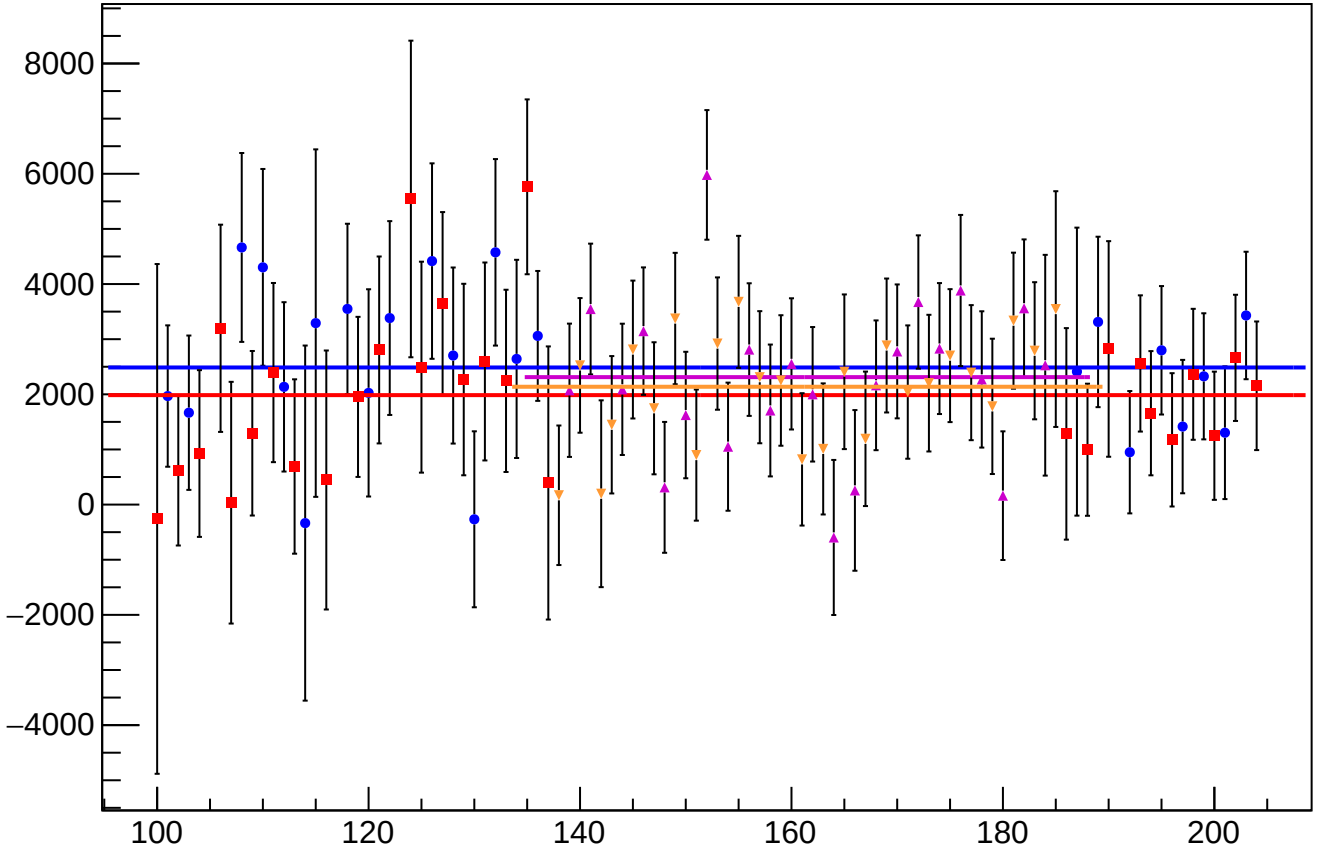
Right: 1966.216+/-0.276 χ^2/NDF: 5680898.8/52

In: 1607.072+/-0.211 χ^2/NDF:4515728.0/46

Out: 1655.548+/-0.208 χ^2/NDF:4964564.5/53

All: 1631.660+/-0.148 χ^2/NDF: 9507109.4/10

dit_asym_usr_mean vs Slug, Sign Corrected



Right In: 2486.977+/-302.824 χ^2/NDF: 15.5/23

Left Out: 2137.184+/-250.195 χ^2/NDF:13.9/24

Right Out: 1985.319+/-284.160 χ^2/NDF: 16.1/28

Left In: 2311.761+/-257.036 χ^2/NDF:29.9/22

Left: 2222.119+/-179.284 χ^2/NDF: 44.1/47

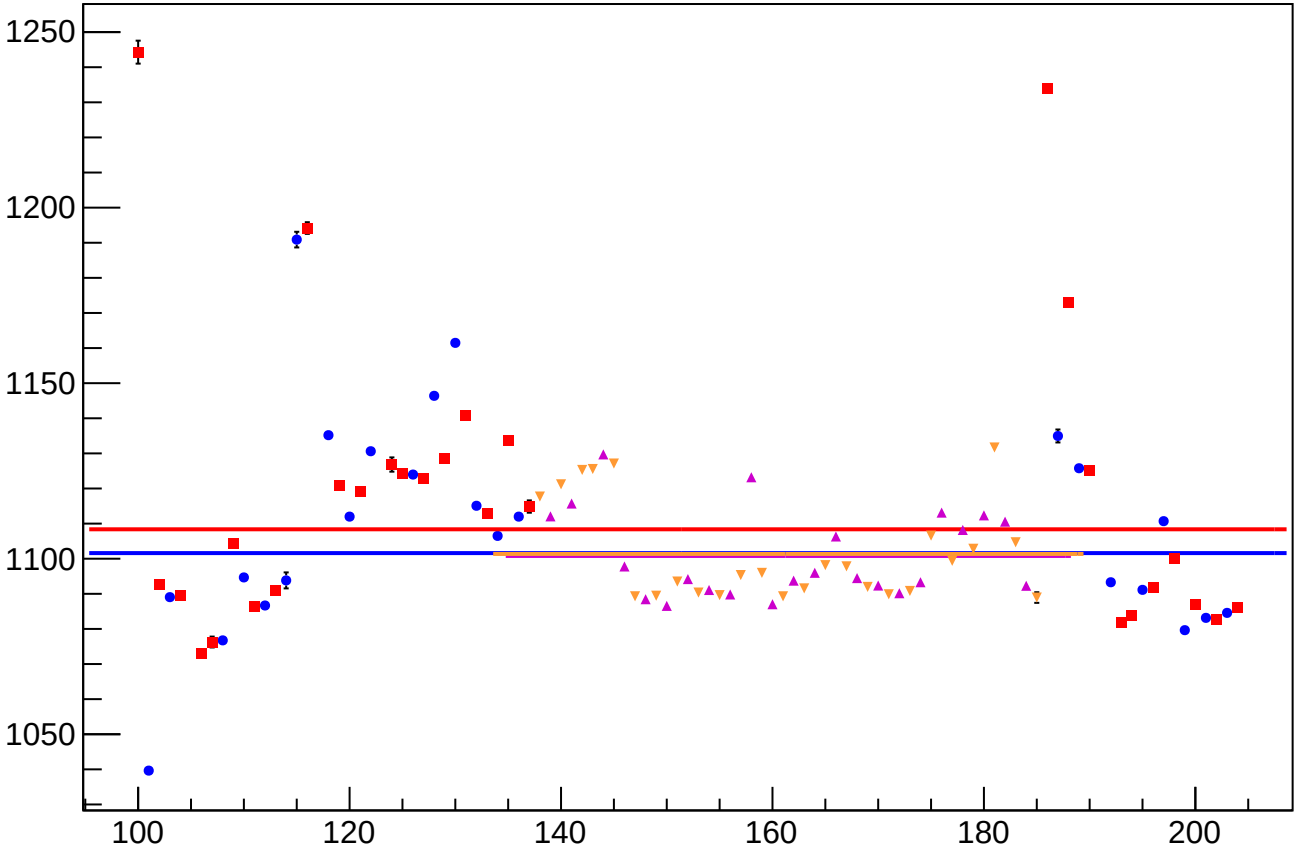
Right: 2220.213+/-207.215 χ^2/NDF: 33.0/52

In: 2385.134+/-195.962 χ^2/NDF:45.6/46

Out: 2070.866+/-187.781 χ^2/NDF:30.2/53

All: 2221.303+/-135.581 χ^2/NDF: 77.1/100

dit_asym_usr_rms vs Slug, Sign Corrected



Right In: 1101.601+/-0.214 χ^2/NDF: 16490.3/23

Left Out: 1101.353+/-0.177 χ^2/NDF:5950.6/24

Right Out: 1108.379+/-0.201 χ^2/NDF: 28115.4/28

Left In: 1100.792+/-0.182 χ^2/NDF:4641.7/22

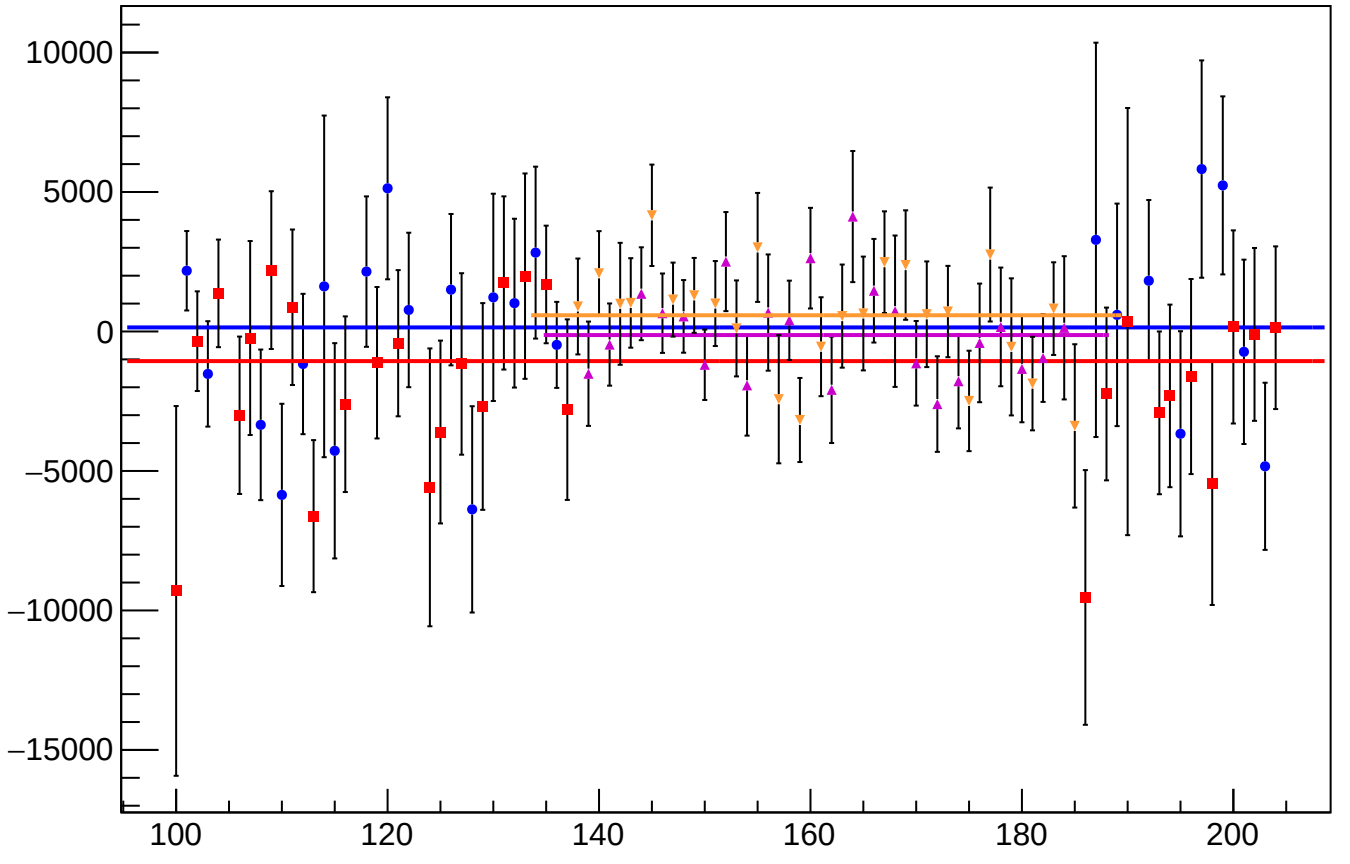
Left: 1101.080+/-0.127 χ^2/NDF: 10597.2/47

Right: 1105.205+/-0.147 χ^2/NDF: 45138.6/52

In: 1101.131+/-0.139 χ^2/NDF:21140.3/46

Out: 1104.421+/-0.133 χ^2/NDF:34754.7/53

All: 1102.846+/-0.096 χ^2/NDF: 56189.0/100



Right In: 145.669+/-560.908 χ^2/NDF: 26.0/23

Left Out: 581.427+/-353.389 χ^2/NDF:25.4/24

Right Out: -1061.960+/-558.784 χ^2/NDF: 20.8/28

Left In: -128.769+/-359.128 χ^2/NDF:17.9/22

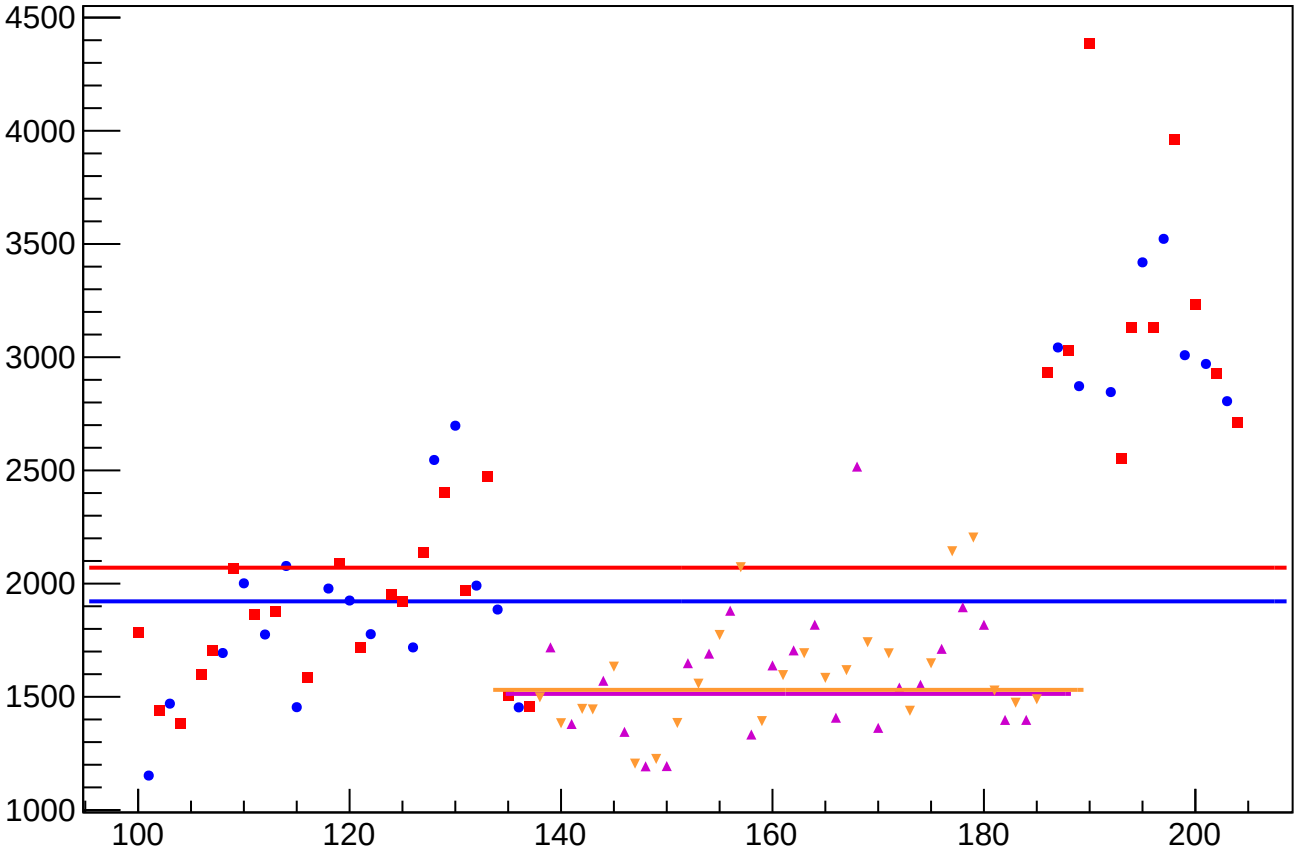
Left: 232.050+/-251.888 χ^2/NDF: 45.2/47

Right: -460.436+/-395.869 χ^2/NDF: 49.1/52

In: -48.977+/-302.448 χ^2/NDF:44.0/46

Out: 111.921+/-298.672 χ^2/NDF:52.3/53

All: 32.483+/-212.515 χ^2/NDF: 96.5/100



Right In: 1921.656+/-0.397 χ^2/NDF: 2744362.7/23

Left Out: 1530.764+/-0.250 χ^2/NDF:795634.5/24

Right Out: 2070.338+/-0.395 χ^2/NDF: 2700076.0/28

Left In: 1512.947+/-0.254 χ^2/NDF:957059.5/22

Left: 1521.999+/-0.178 χ^2/NDF: 1755195.1/47

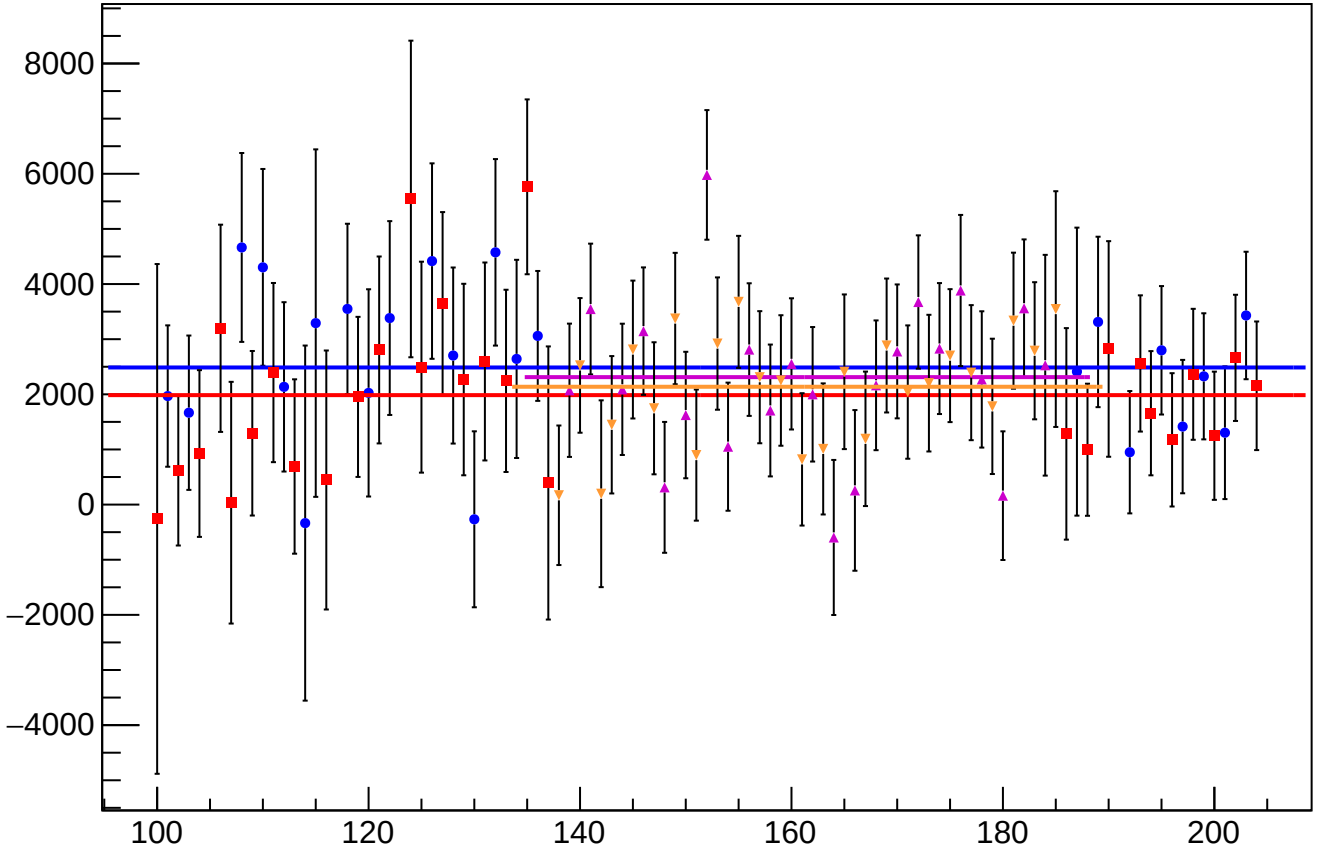
Right: 1996.279+/-0.280 χ^2/NDF: 5514969.4/52

In: 1631.778+/-0.214 χ^2/NDF:4454562.3/46

Out: 1684.917+/-0.211 χ^2/NDF:4827782.1/53

All: 1658.682+/-0.150 χ^2/NDF: 9313601.6/10

eigen_dit_asym_usr_mean vs Slug, Sign Corrected



Right In: 2486.975+/-302.824 χ^2/NDF: 15.5/23

Left Out: 2137.182+/-250.195 χ^2/NDF:13.9/24

Right Out: 1985.318+/-284.160 χ^2/NDF: 16.1/28

Left In: 2311.761+/-257.036 χ^2/NDF:29.9/22

Left: 2222.118+/-179.284 χ^2/NDF: 44.1/47

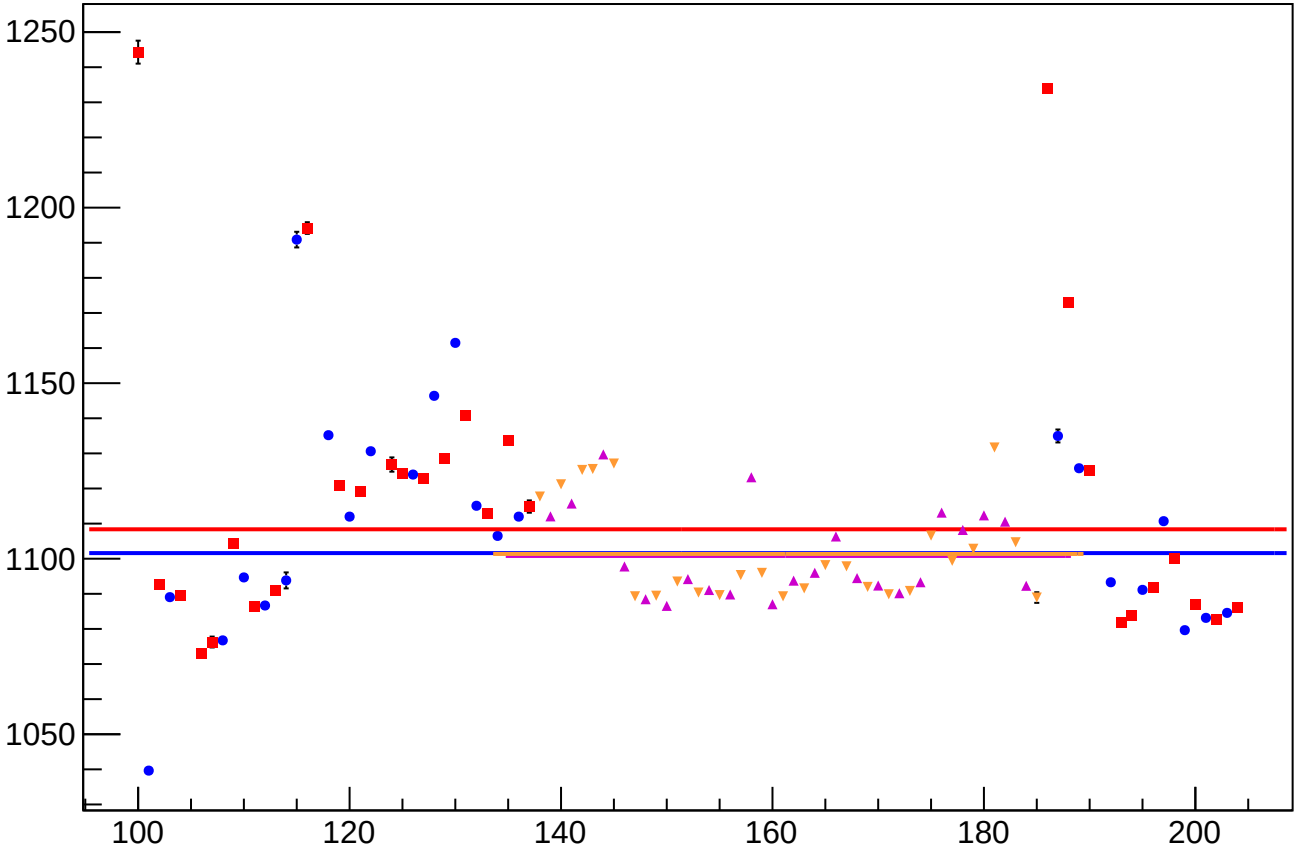
Right: 2220.211+/-207.215 χ^2/NDF: 33.0/52

In: 2385.133+/-195.962 χ^2/NDF:45.6/46

Out: 2070.864+/-187.781 χ^2/NDF:30.2/53

All: 2221.302+/-135.581 χ^2/NDF: 77.1/100

eigen_dit_asym_usr_rms vs Slug, Sign Corrected



Right In: 1101.601+/-0.214 χ^2/NDF: 16490.2/23

Left Out: 1101.353+/-0.177 χ^2/NDF:5950.6/24

Right Out: 1108.379+/-0.201 χ^2/NDF: 28115.4/28

Left In: 1100.792+/-0.182 χ^2/NDF:4641.7/22

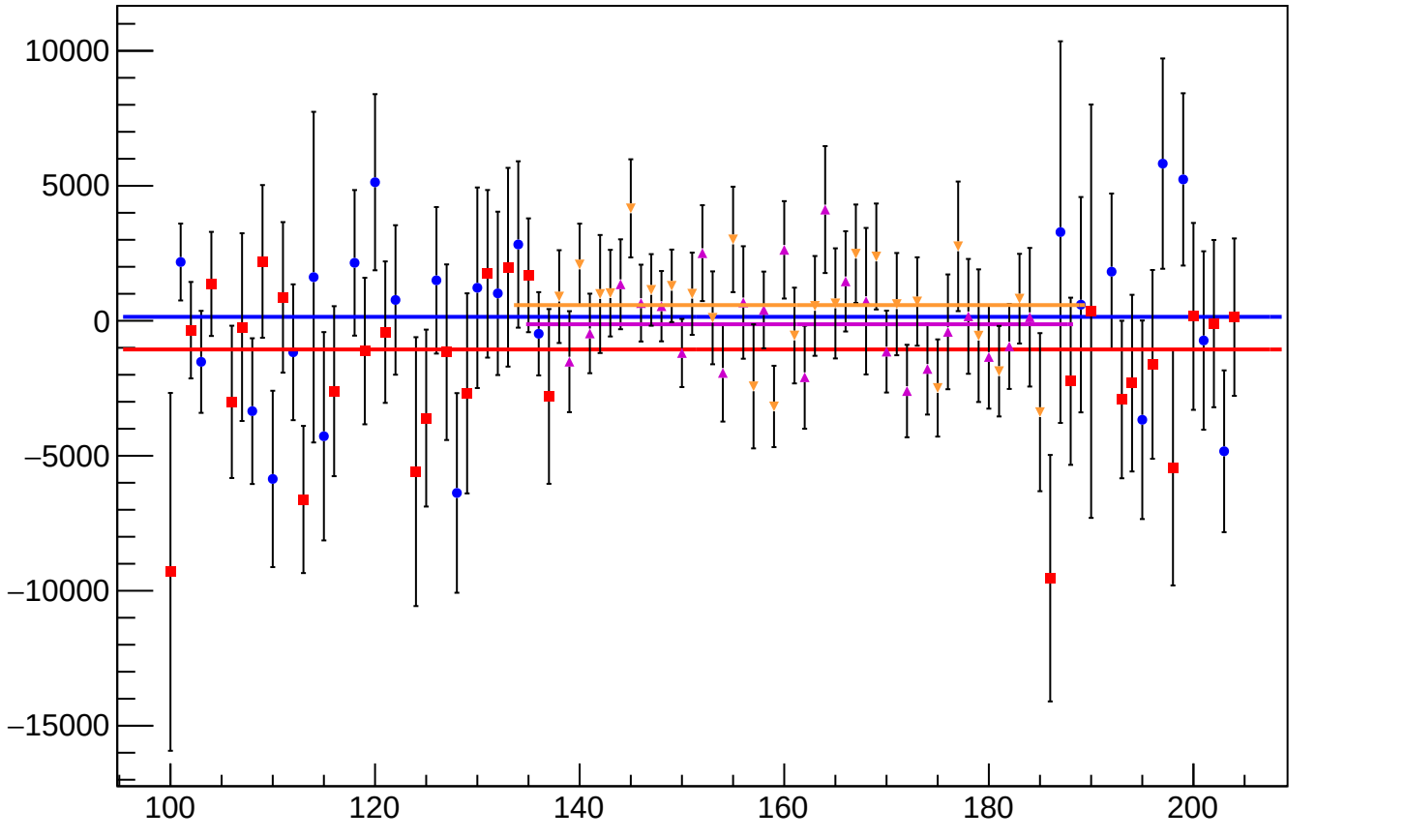
Left: 1101.081+/-0.127 χ^2/NDF: 10597.2/47

Right: 1105.205+/-0.147 χ^2/NDF: 45138.4/52

In: 1101.131+/-0.139 χ^2/NDF:21140.2/46

Out: 1104.421+/-0.133 χ^2/NDF:34754.6/53

All: 1102.846+/-0.096 χ^2/NDF: 56188.8/100



Right In: 145.666+/-560.908 χ^2/NDF: 26.0/23

Left Out: 581.426+/-353.390 χ^2/NDF:25.4/24

Right Out: -1061.961+/-558.784 χ^2/NDF: 20.8/28

Left In: -128.769+/-359.129 χ^2/NDF:17.9/22

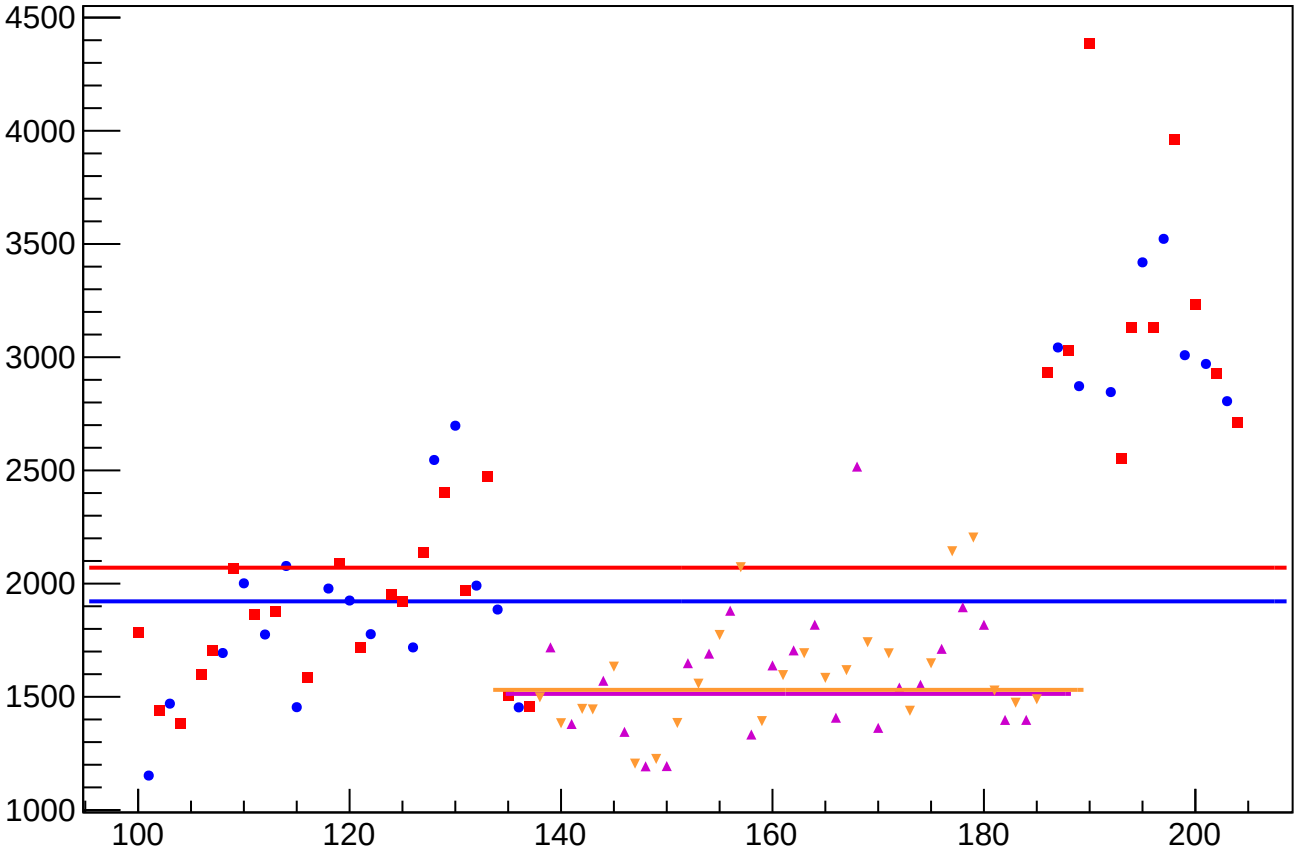
Left: 232.049+/-251.889 χ^2/NDF: 45.2/47

Right: -460.438+/-395.869 χ^2/NDF: 49.1/52

In: -48.978+/-302.448 χ^2/NDF:44.0/46

Out: 111.917+/-298.673 χ^2/NDF:52.3/53

All: 32.480+/-212.516 χ^2/NDF: 96.5/100



Right In: 1921.654+/-0.397 χ^2/NDF: 2744362.4/23

Left Out: 1530.768+/-0.250 χ^2/NDF:795638.4/24

Right Out: 2070.337+/-0.395 χ^2/NDF: 2700072.1/28

Left In: 1512.951+/-0.254 χ^2/NDF:957065.2/22

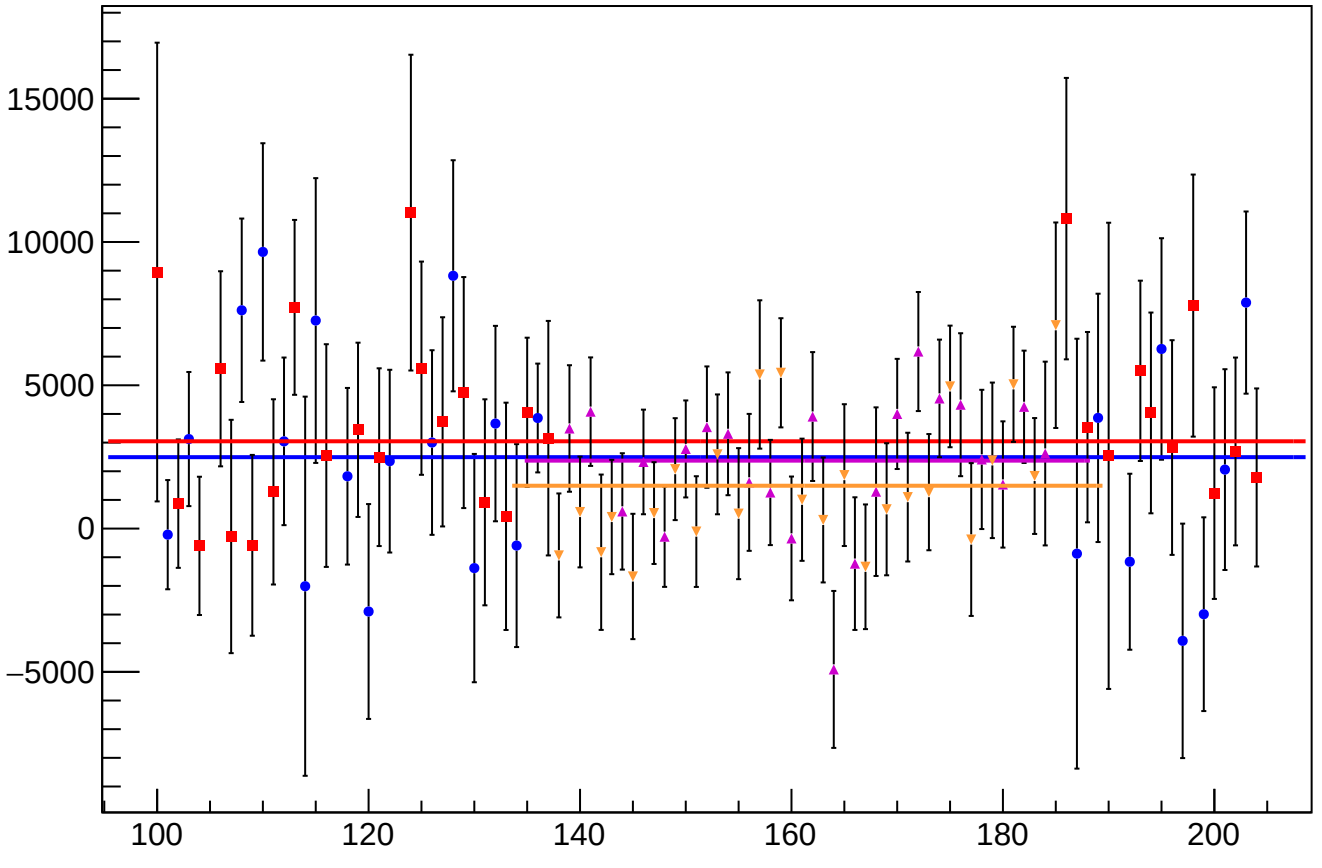
Left: 1522.003+/-0.178 χ^2/NDF: 1755204.7/47

Right: 1996.277+/-0.280 χ^2/NDF: 5514966.0/52

In: 1631.781+/-0.214 χ^2/NDF:4454546.0/46

Out: 1684.920+/-0.211 χ^2/NDF:4827754.8/53

All: 1658.684+/-0.150 χ^2/NDF: 9313558.5/10



Right In: 2491.931+/-657.045 χ^2/NDF: 27.2/23

Left Out: 1495.022+/-433.196 χ^2/NDF:23.8/24

Right Out: 3045.998+/-642.241 χ^2/NDF: 17.5/28

Left In: 2370.694+/-442.952 χ^2/NDF:23.7/22

Left: 1923.108+/-309.708 χ^2/NDF: 49.5/47

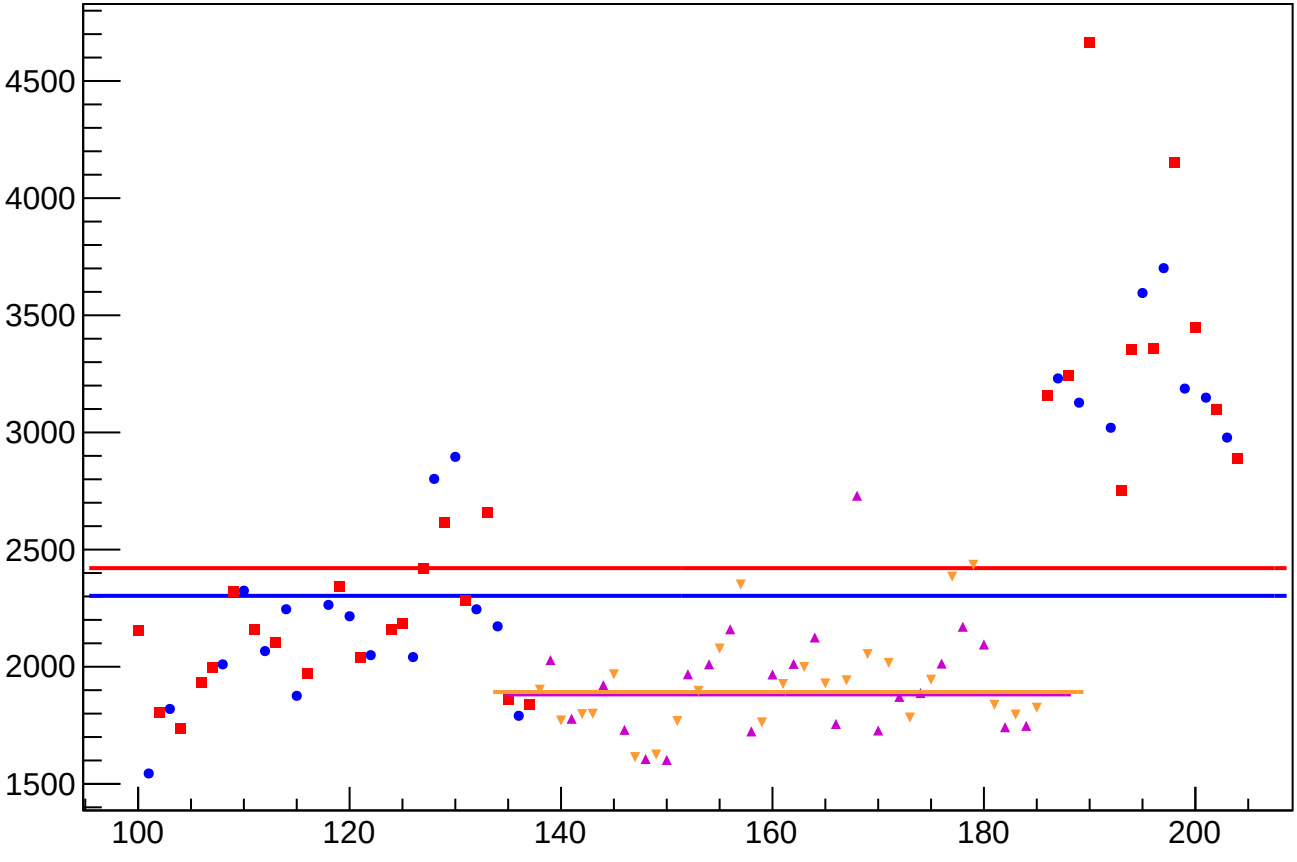
Right: 2775.277+/-459.277 χ^2/NDF: 45.0/52

In: 2408.577+/-367.284 χ^2/NDF:50.9/46

Out: 1980.005+/-359.136 χ^2/NDF:45.2/53

All: 2189.485+/-256.780 χ^2/NDF: 96.9/100

asym_usr_rms vs Slug, Sign Corrected



Right In: 2302.622+/-0.465 χ^2/NDF: 1711033.5/23

Left Out: 1892.117+/-0.306 χ^2/NDF:389648.0/24

Right Out: 2420.868+/-0.454 χ^2/NDF: 1815821.2/28

Left In: 1881.892+/-0.313 χ^2/NDF:462659.6/22

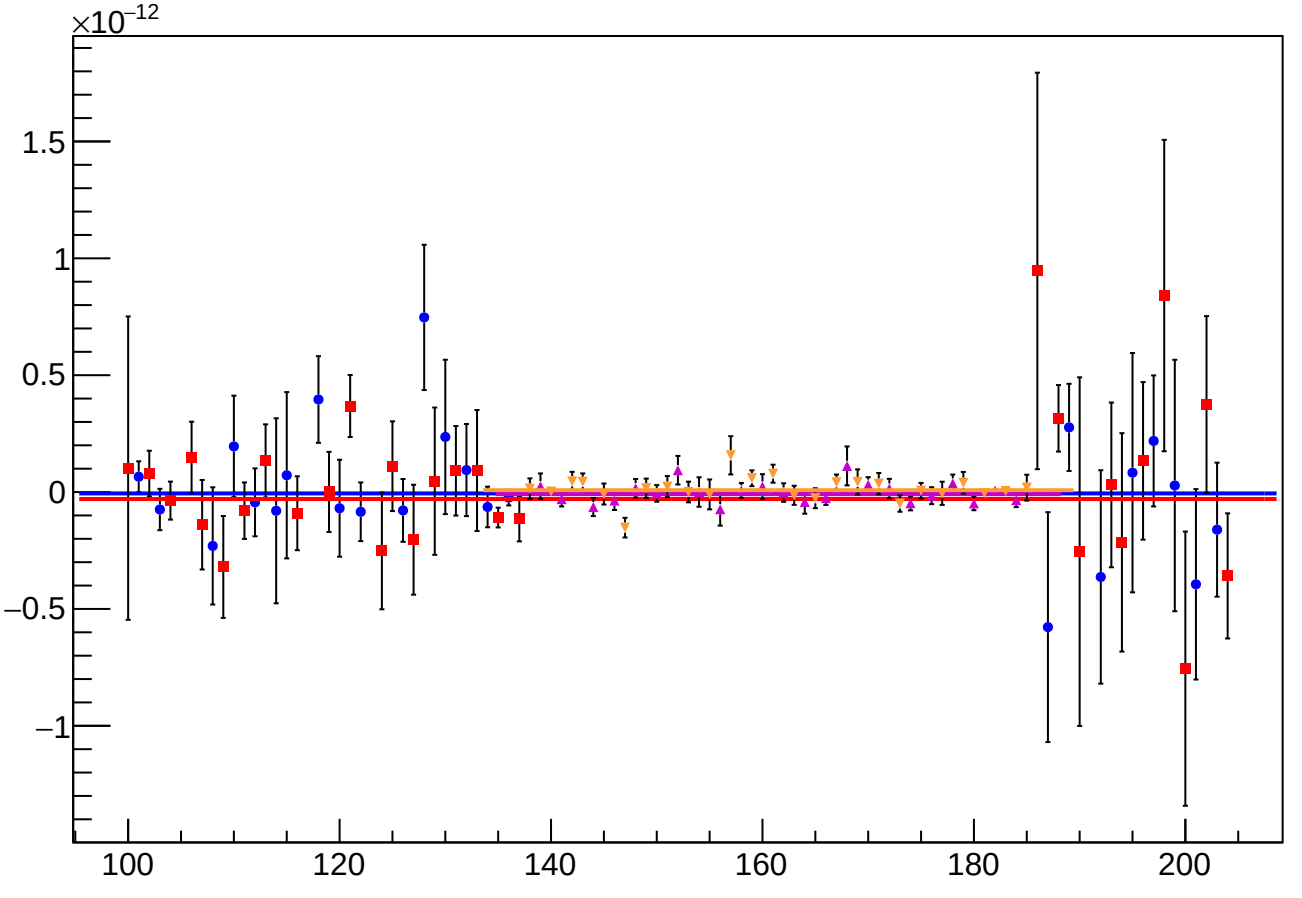
Left: 1887.118+/-0.219 χ^2/NDF: 852852.3/47

Right: 2363.092+/-0.325 χ^2/NDF: 3559980.2/52

In: 2013.359+/-0.260 χ^2/NDF:2737509.7/46

Out: 2057.455+/-0.254 χ^2/NDF:3137188.6/53

All: 2035.901+/-0.182 χ^2/NDF: 5889435.9/10



Right In: -0.000+/-0.000 χ^2/NDF: 22.6/23

Left Out: 0.000+/-0.000 χ^2/NDF:32.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 35.6/28

Left In: -0.000+/-0.000 χ^2/NDF:19.1/22

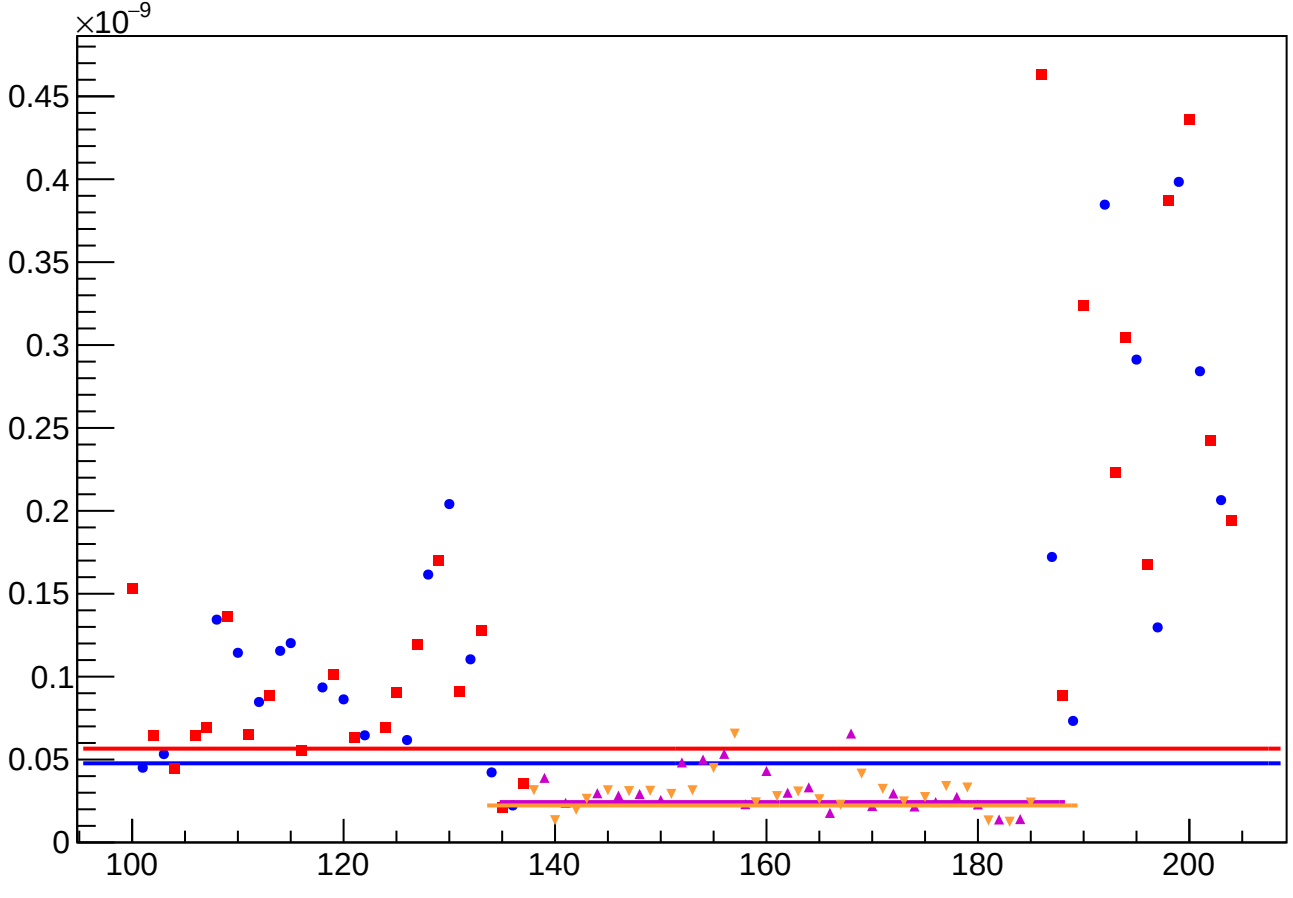
Left: 0.000+/-0.000 χ^2/NDF: 54.2/47

Right: -0.000+/-0.000 χ^2/NDF: 58.7/52

In: -0.000+/-0.000 χ^2/NDF:41.7/46

Out: 0.000+/-0.000 χ^2/NDF:69.9/53

All: -0.000+/-0.000 χ^2/NDF: 113.7/100



Right In: 0.000+/-0.000 χ^2/NDF: 7053482.3/23

Left Out: 0.000+/-0.000 χ^2/NDF:3629538.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7175965.6/28

Left In: 0.000+/-0.000 χ^2/NDF:3124271.4/22

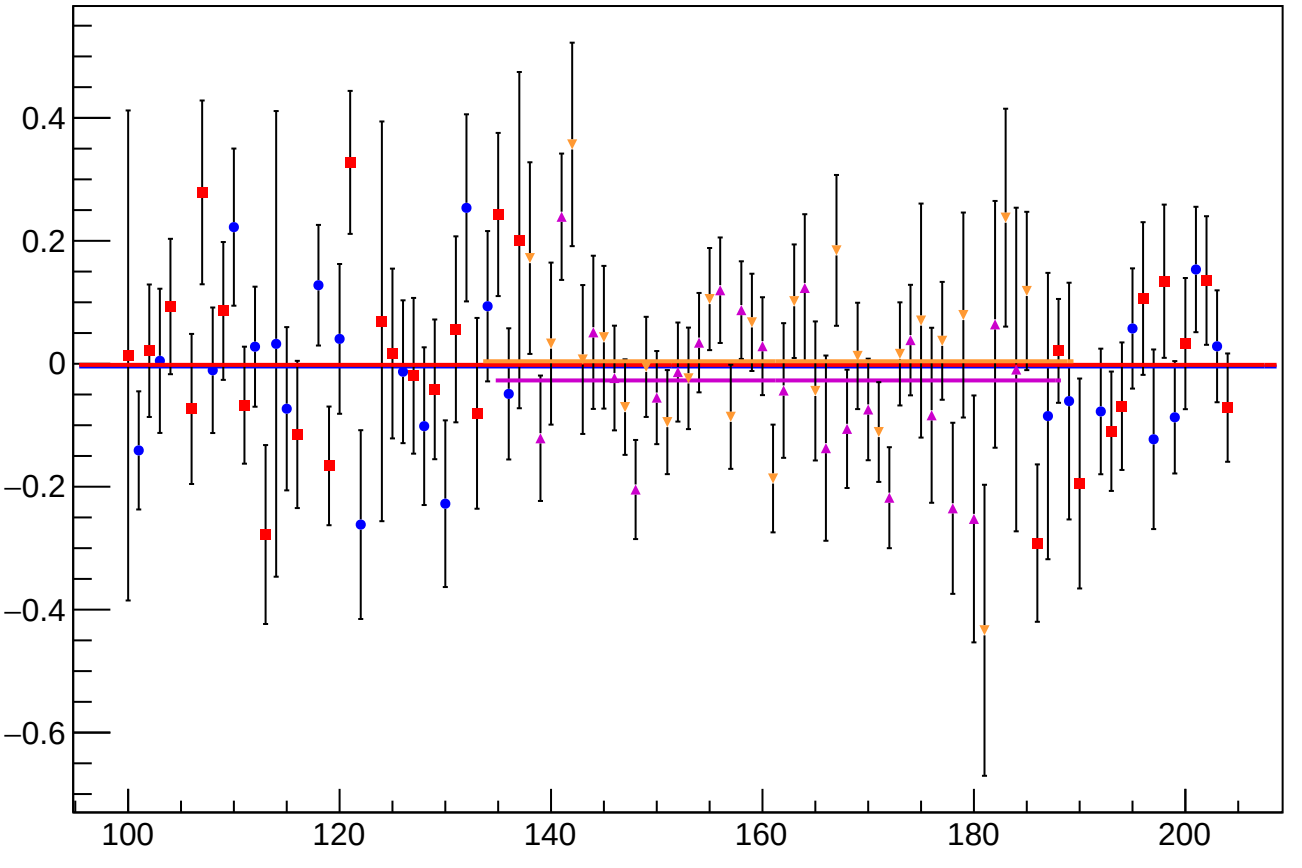
Left: 0.000+/-0.000 χ^2/NDF: 6833582.6/47

Right: 0.000+/-0.000 χ^2/NDF: 14355356.7/52

In: 0.000+/-0.000 χ^2/NDF:11939225.2/46

Out: 0.000+/-0.000 χ^2/NDF:14034727.0/53

All: 0.000+/-0.000 χ^2/NDF: 26051811.5/100



Right In: -0.004+/-0.024 χ^2/NDF: 22.4/23

Left Out: 0.004+/-0.020 χ^2/NDF:28.2/24

Right Out: -0.002+/-0.022 χ^2/NDF: 38.2/28

Left In: -0.027+/-0.021 χ^2/NDF:32.0/22

Left: -0.011+/-0.014 χ^2/NDF: 61.3/47

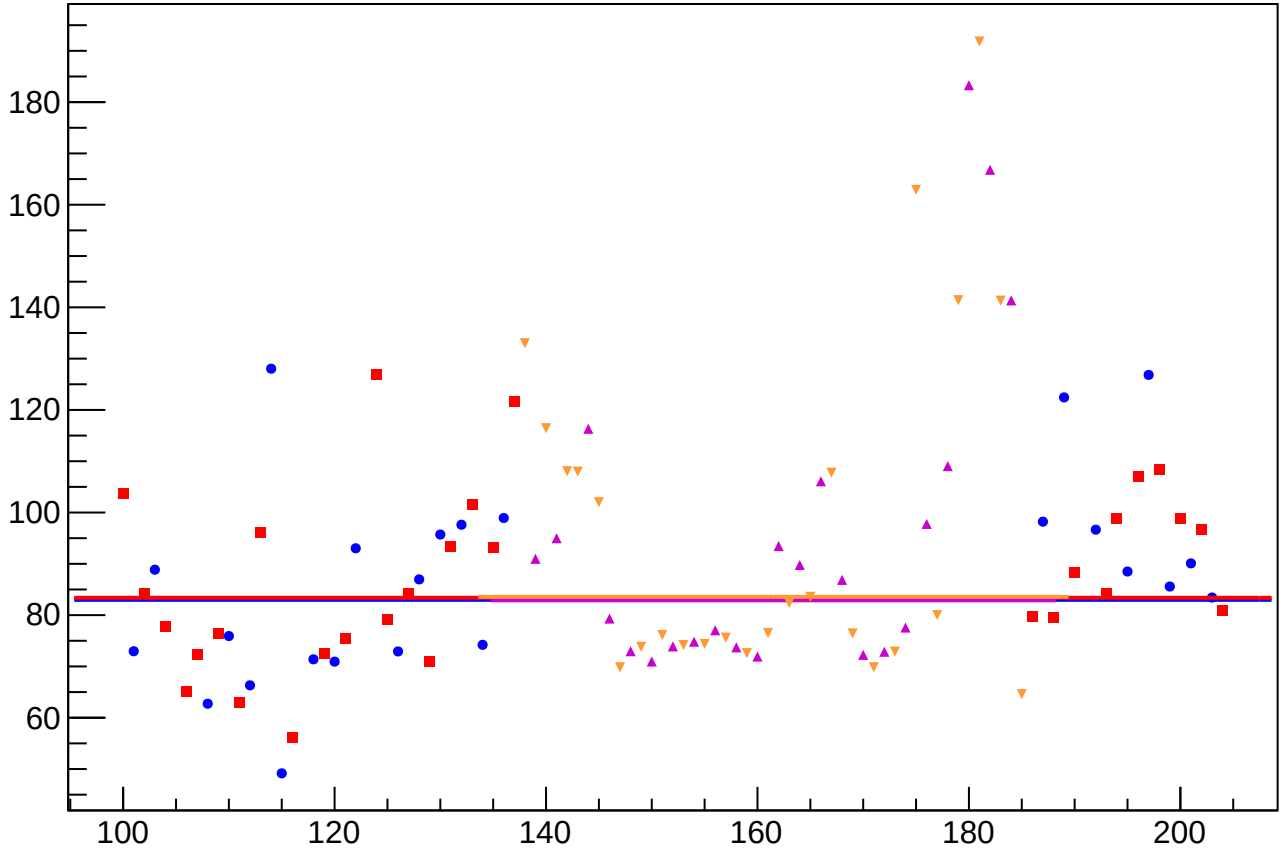
Right: -0.003+/-0.016 χ^2/NDF: 60.7/52

In: -0.018+/-0.016 χ^2/NDF:54.9/46

Out: 0.001+/-0.015 χ^2/NDF:66.5/53

All: -0.008+/-0.011 χ^2/NDF: 122.1/100

asym_usr_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 82.980+/-0.017 χ^2/NDF: 818109.8/23

Left Out: 83.564+/-0.014 χ^2/NDF:2172931.4/24

Right Out: 83.383+/-0.016 χ^2/NDF: 746033.7/28

Left In: 82.891+/-0.015 χ^2/NDF:1573003.1/22

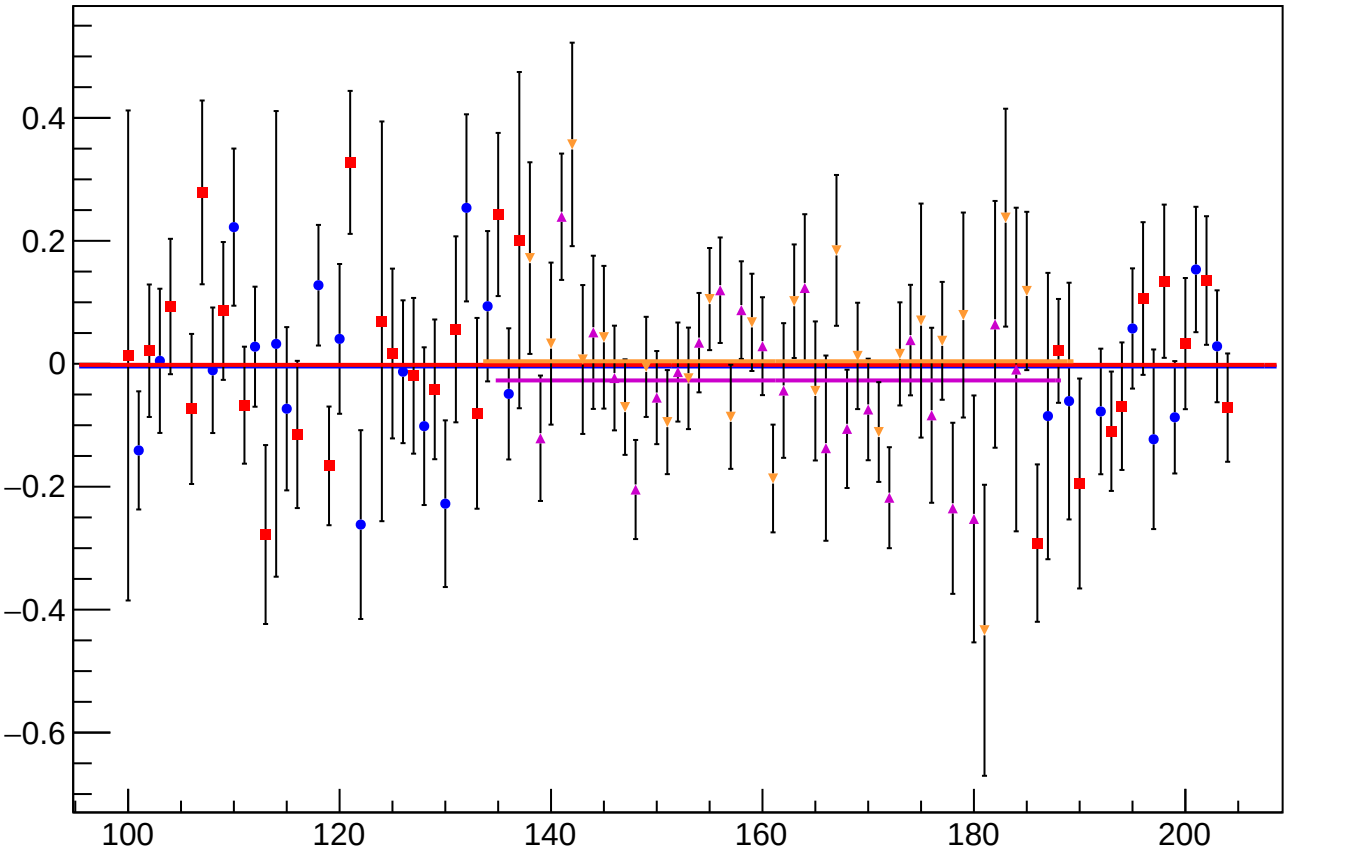
Left: 83.231+/-0.010 χ^2/NDF: 3747022.5/47

Right: 83.196+/-0.012 χ^2/NDF: 1564445.2/52

In: 82.929+/-0.011 χ^2/NDF:2391129.1/46

Out: 83.482+/-0.011 χ^2/NDF:2919037.1/53

All: 83.216+/-0.008 χ^2/NDF: 5311472.9/100



Right In: -0.004+/-0.024 χ^2/NDF: 22.4/23

Left Out: 0.004+/-0.020 χ^2/NDF:28.2/24

Right Out: -0.002+/-0.022 χ^2/NDF: 38.2/28

Left In: -0.027+/-0.021 χ^2/NDF:32.0/22

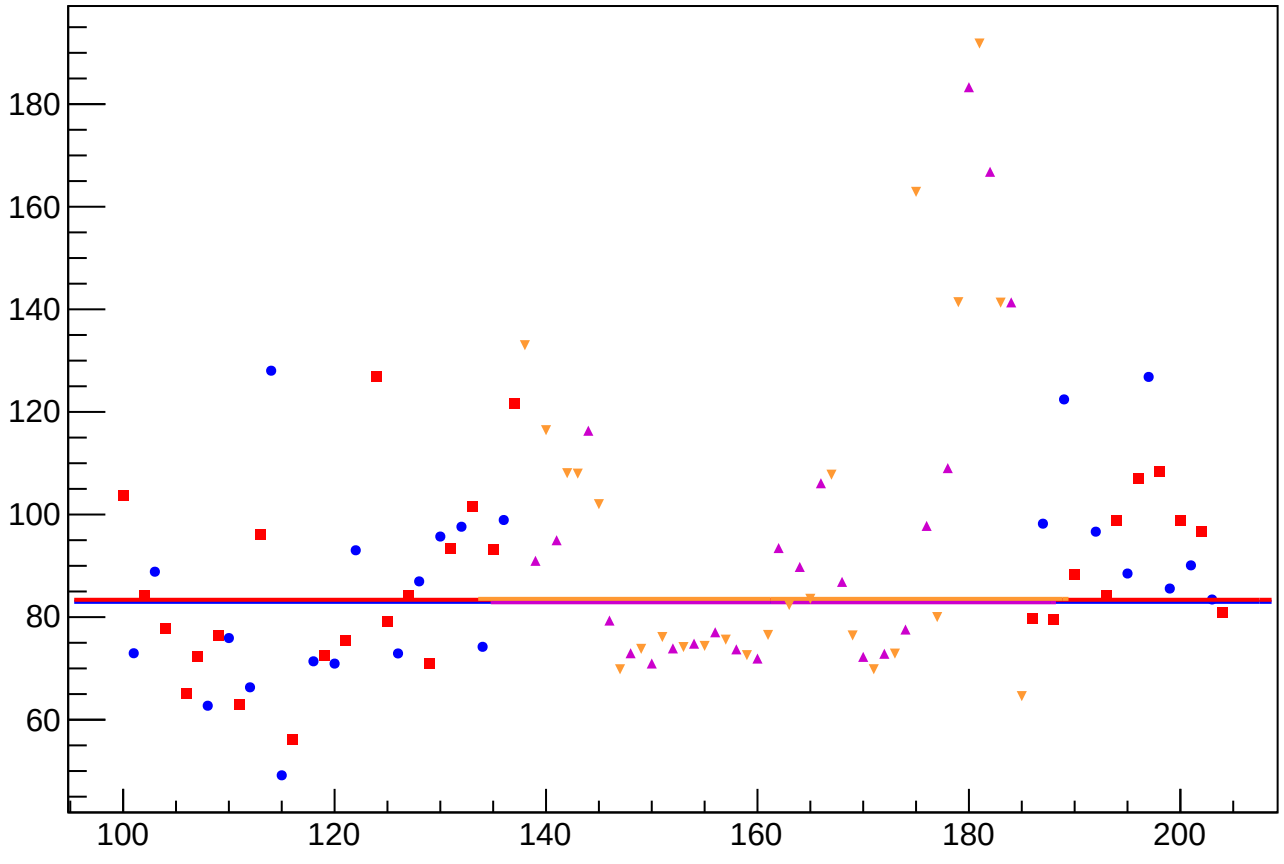
Left: -0.011+/-0.014 χ^2/NDF: 61.3/47

Right: -0.003+/-0.016 χ^2/NDF: 60.7/52

In: -0.018+/-0.016 χ^2/NDF:54.9/46

Out: 0.001+/-0.015 χ^2/NDF:66.5/53

All: -0.008+/-0.011 χ^2/NDF: 122.1/100



Right In: 82.980+/-0.017 χ^2/NDF: 818109.8/23

Left Out: 83.564+/-0.014 χ^2/NDF:2172931.4/24

Right Out: 83.383+/-0.016 χ^2/NDF: 746033.7/28

Left In: 82.891+/-0.015 χ^2/NDF:1573003.1/22

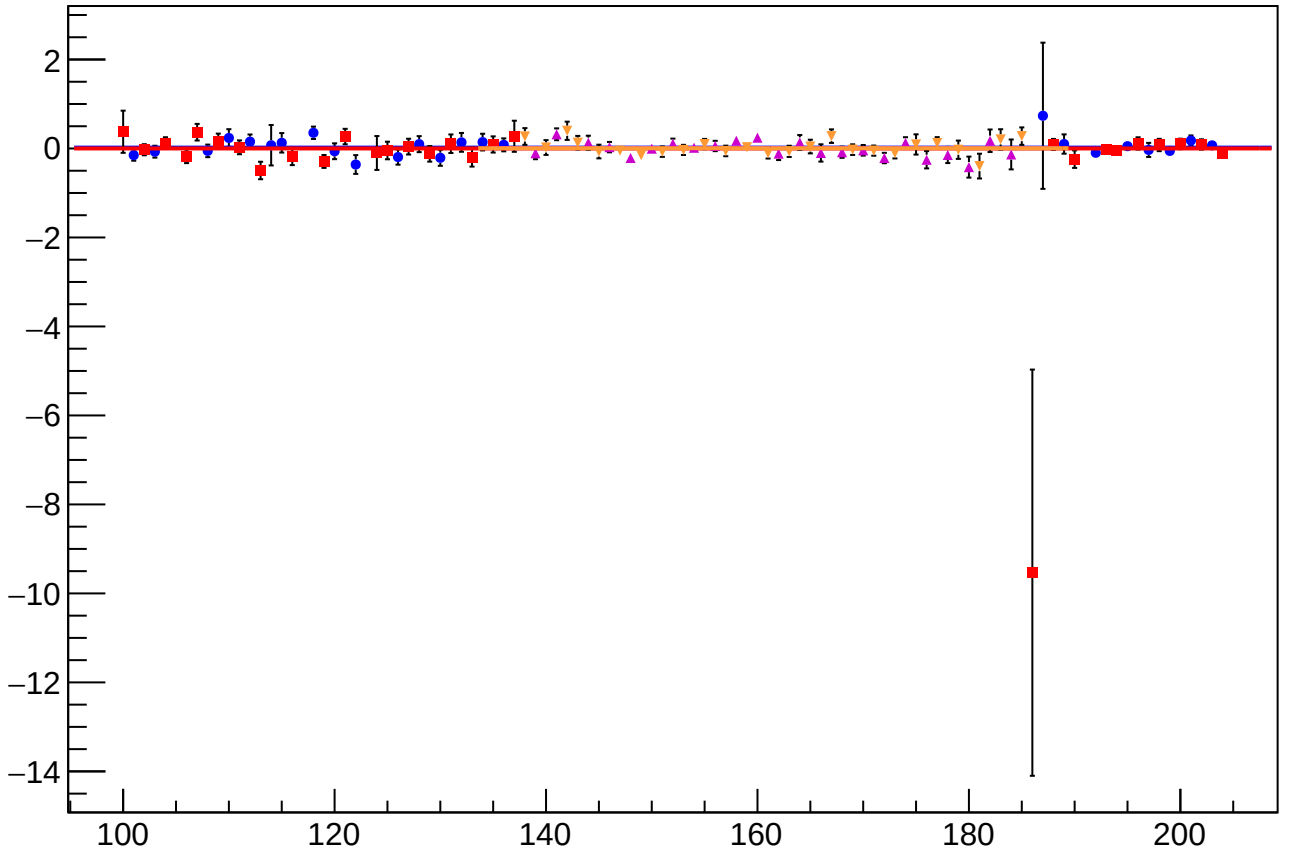
Left: 83.231+/-0.010 χ^2/NDF: 3747022.5/47

Right: 83.196+/-0.012 χ^2/NDF: 1564445.2/52

In: 82.929+/-0.011 χ^2/NDF:2391129.1/46

Out: 83.482+/-0.011 χ^2/NDF:2919037.1/53

All: 83.216+/-0.008 χ^2/NDF: 5311472.9/100



Right In: 0.019+/-0.031 χ^2/NDF: 22.4/23

Left Out: 0.006+/-0.028 χ^2/NDF:21.3/24

Right Out: 0.001+/-0.029 χ^2/NDF: 33.9/28

Left In: 0.010+/-0.028 χ^2/NDF:31.3/22

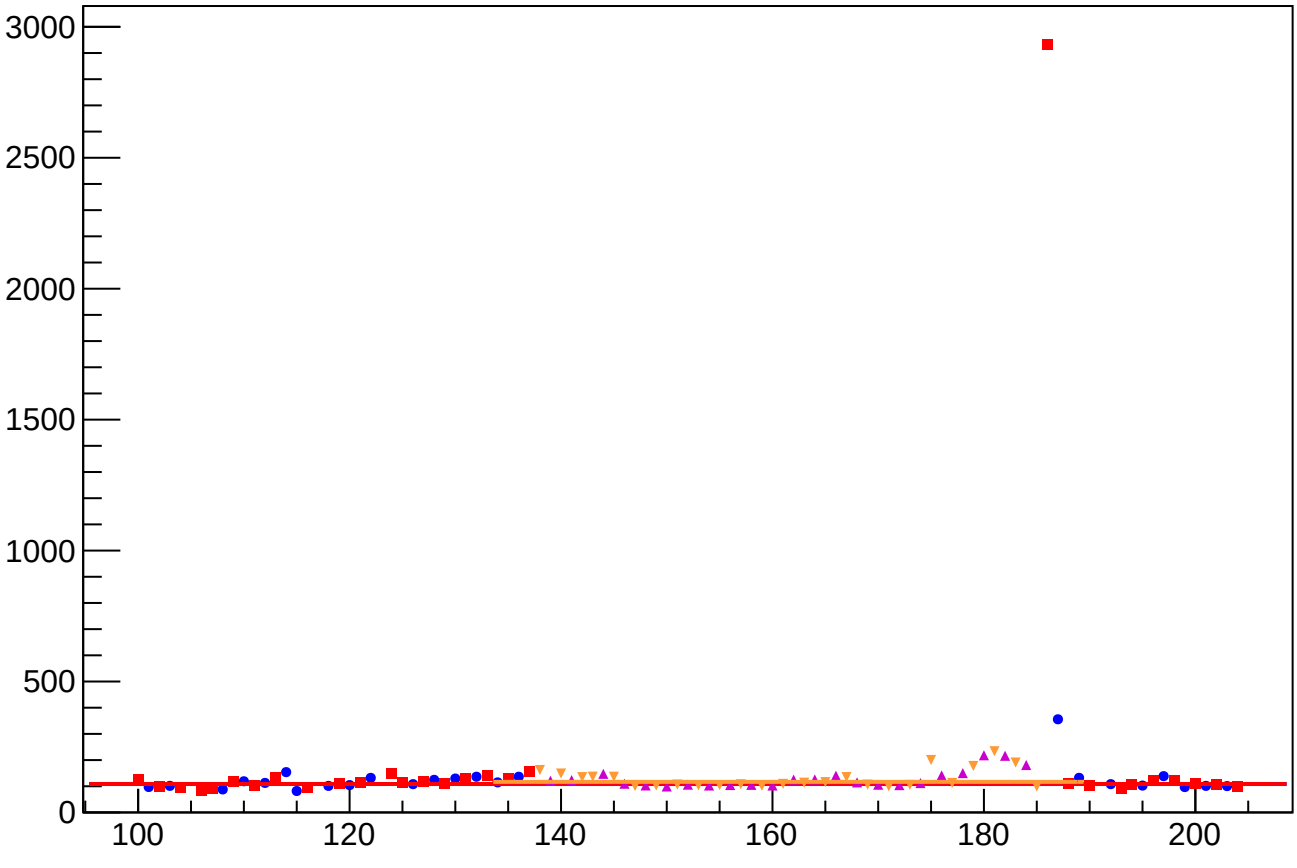
Left: 0.008+/-0.020 χ^2/NDF: 52.6/47

Right: 0.009+/-0.021 χ^2/NDF: 56.6/52

In: 0.014+/-0.021 χ^2/NDF:53.8/46

Out: 0.003+/-0.020 χ^2/NDF:55.2/53

All: 0.009+/-0.014 χ^2/NDF: 109.2/100



Right In: 108.744+/-0.022 χ^2/NDF: 495361.6/23

Left Out: 116.880+/-0.020 χ^2/NDF:1596935.1/24

Right Out: 108.587+/-0.021 χ^2/NDF: 1196572.0/28

Left In: 115.858+/-0.020 χ^2/NDF:1231382.1/22

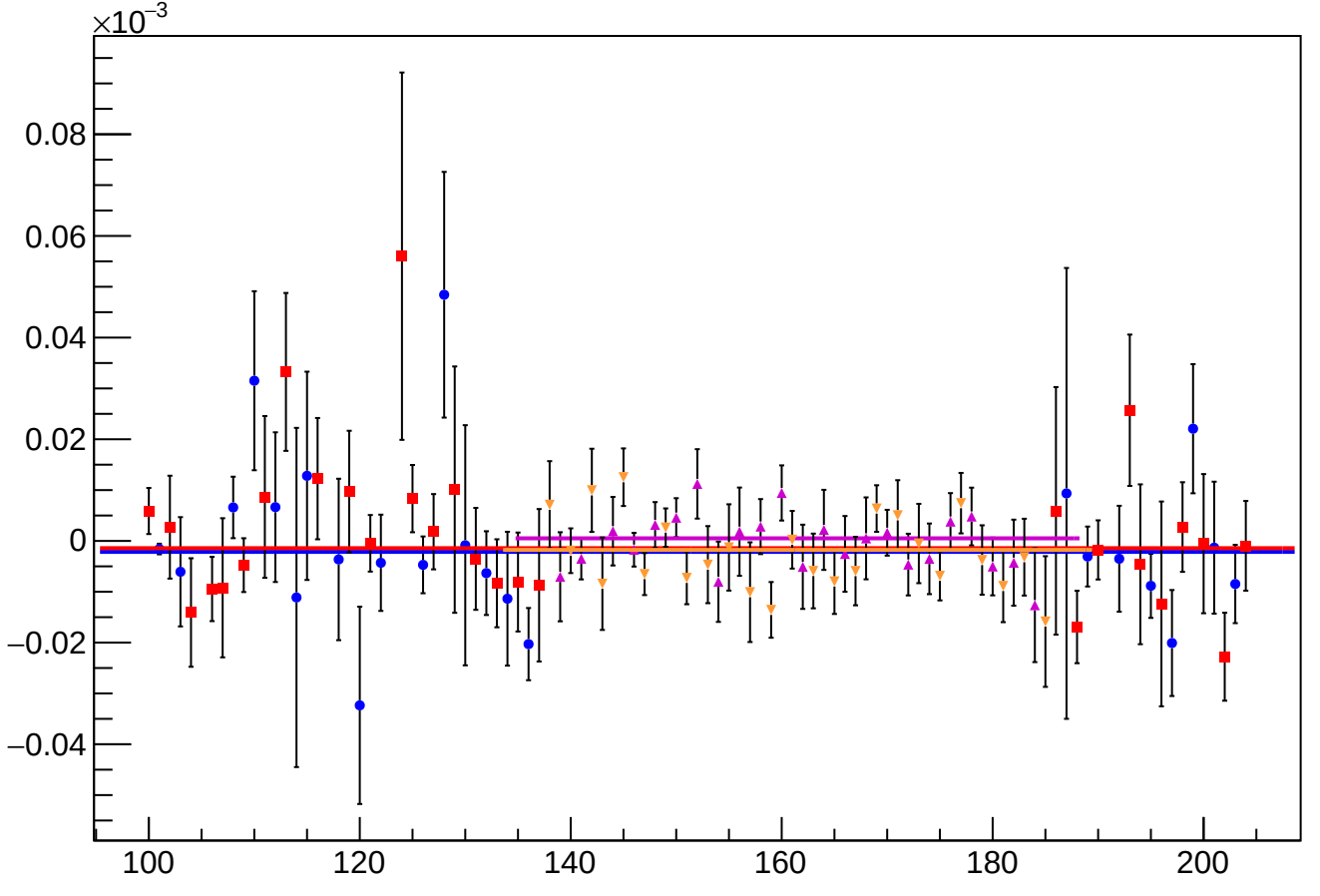
Left: 116.376+/-0.014 χ^2/NDF: 2829653.1/47

Right: 108.660+/-0.015 χ^2/NDF: 1691960.8/52

In: 112.653+/-0.015 χ^2/NDF:1784222.8/46

Out: 112.921+/-0.014 χ^2/NDF:2878697.2/53

All: 112.793+/-0.010 χ^2/NDF: 4663091.2/100



Right In: -0.000+/-0.000 χ^2/NDF: 30.0/23

Left Out: -0.000+/-0.000 χ^2/NDF:31.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 35.4/28

Left In: 0.000+/-0.000 χ^2/NDF:15.6/22

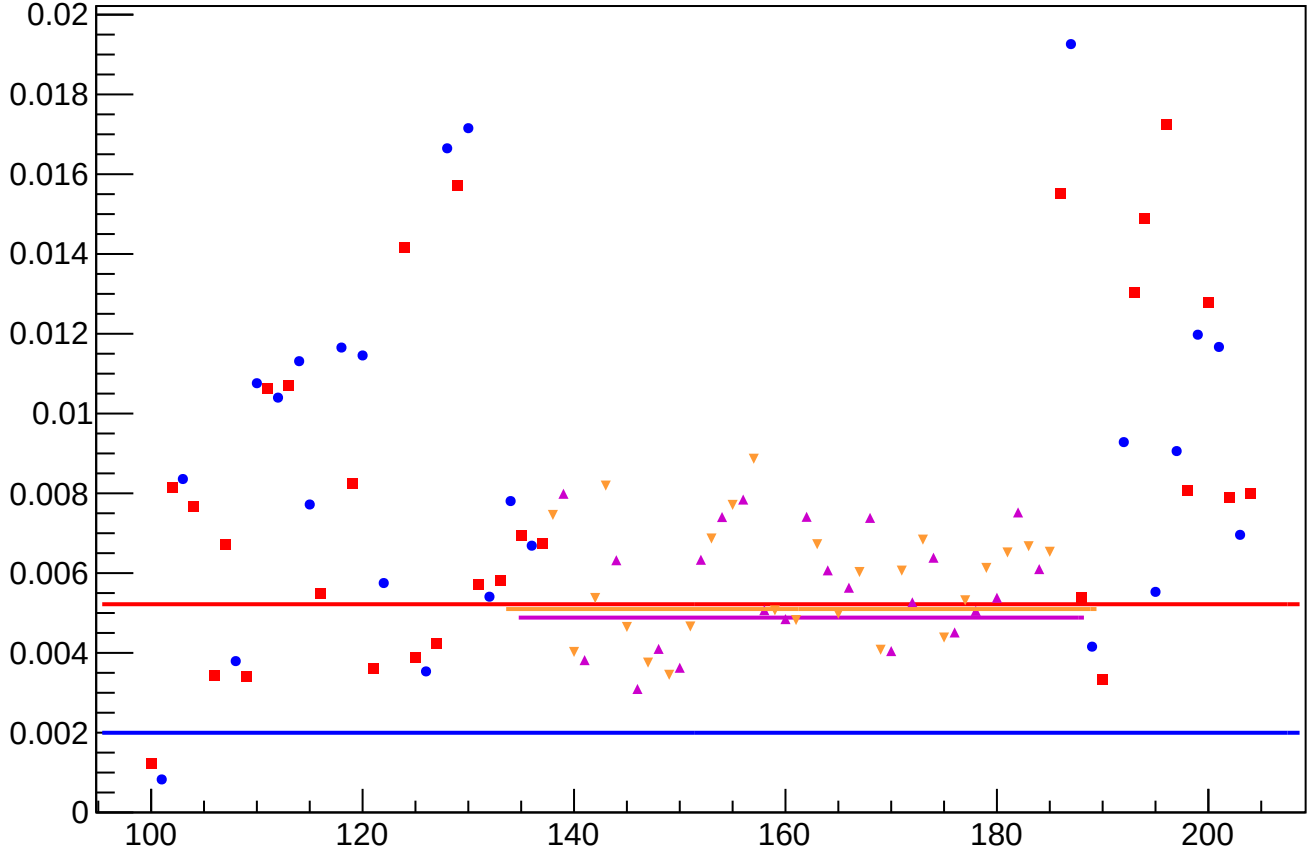
Left: -0.000+/-0.000 χ^2/NDF: 48.4/47

Right: -0.000+/-0.000 χ^2/NDF: 65.6/52

In: -0.000+/-0.000 χ^2/NDF:48.7/46

Out: -0.000+/-0.000 χ^2/NDF:66.5/53

All: -0.000+/-0.000 χ^2/NDF: 115.3/100



Right In: 0.002+/-0.000 χ^2/NDF: 15954566.4/23

Left Out: 0.005+/-0.000 χ^2/NDF:2378649.6/24

Right Out: 0.005+/-0.000 χ^2/NDF: 7535386.7/28

Left In: 0.005+/-0.000 χ^2/NDF:2725463.9/22

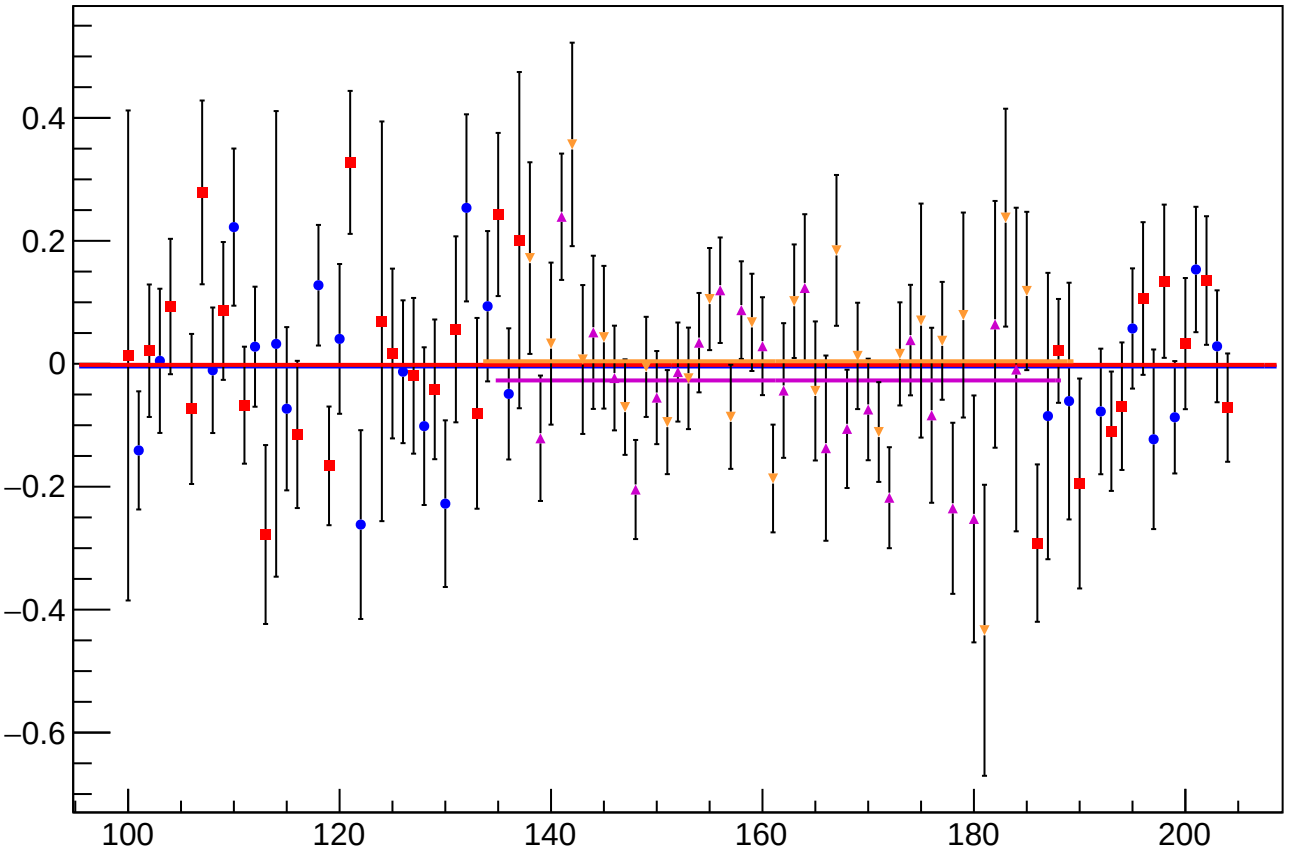
Left: 0.005+/-0.000 χ^2/NDF: 5135847.3/47

Right: 0.003+/-0.000 χ^2/NDF: 29384005.8/52

In: 0.003+/-0.000 χ^2/NDF:25953815.6/46

Out: 0.005+/-0.000 χ^2/NDF:9921131.0/53

All: 0.004+/-0.000 χ^2/NDF: 41576058.3/100



Right In: -0.004+/-0.024 χ^2/NDF: 22.4/23

Left Out: 0.004+/-0.020 χ^2/NDF:28.2/24

Right Out: -0.002+/-0.022 χ^2/NDF: 38.2/28

Left In: -0.027+/-0.021 χ^2/NDF:32.0/22

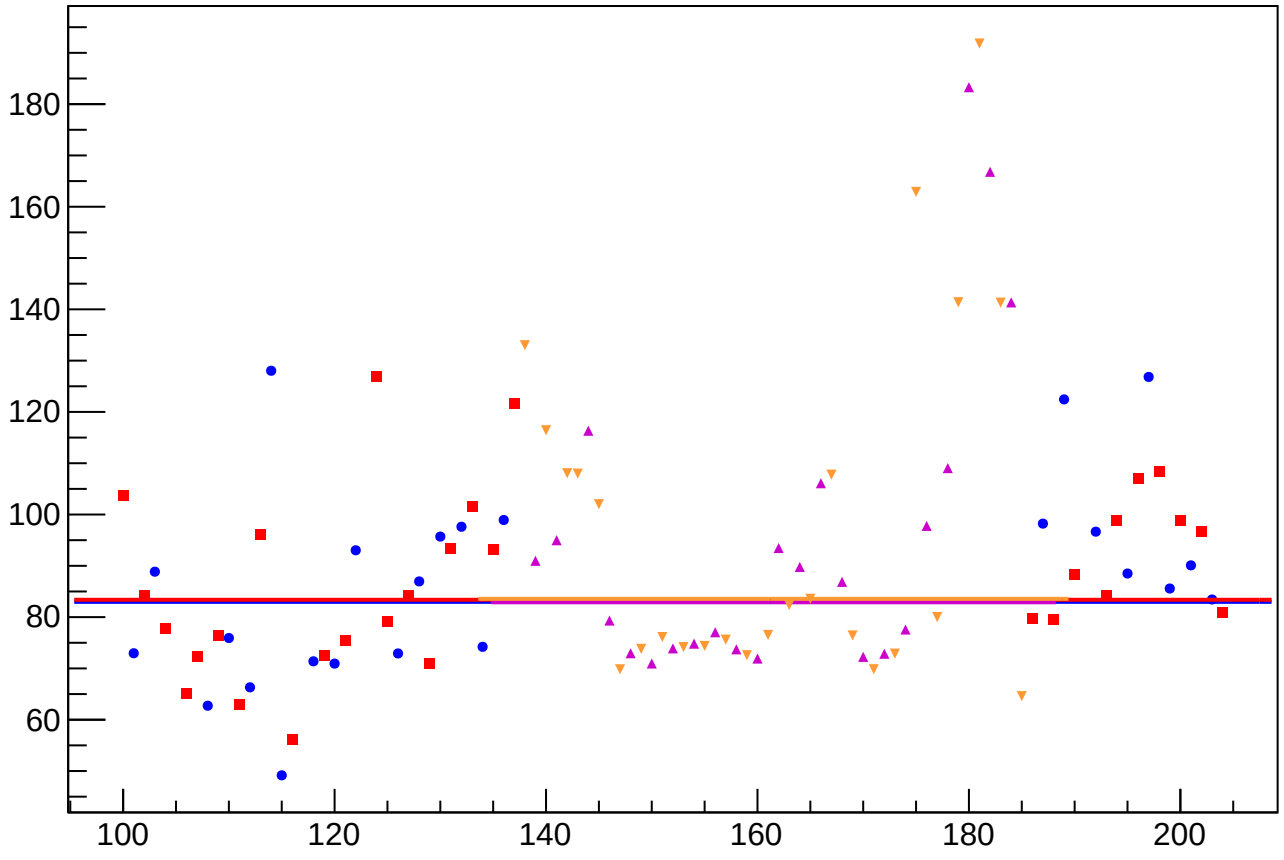
Left: -0.011+/-0.014 χ^2/NDF: 61.3/47

Right: -0.003+/-0.016 χ^2/NDF: 60.7/52

In: -0.018+/-0.016 χ^2/NDF:54.9/46

Out: 0.001+/-0.015 χ^2/NDF:66.5/53

All: -0.008+/-0.011 χ^2/NDF: 122.1/100



Right In: 82.980+/-0.017 χ^2/NDF: 818135.5/23

Left Out: 83.565+/-0.014 χ^2/NDF:2172921.0/24

Right Out: 83.382+/-0.016 χ^2/NDF: 746031.4/28

Left In: 82.891+/-0.015 χ^2/NDF:1572981.0/22

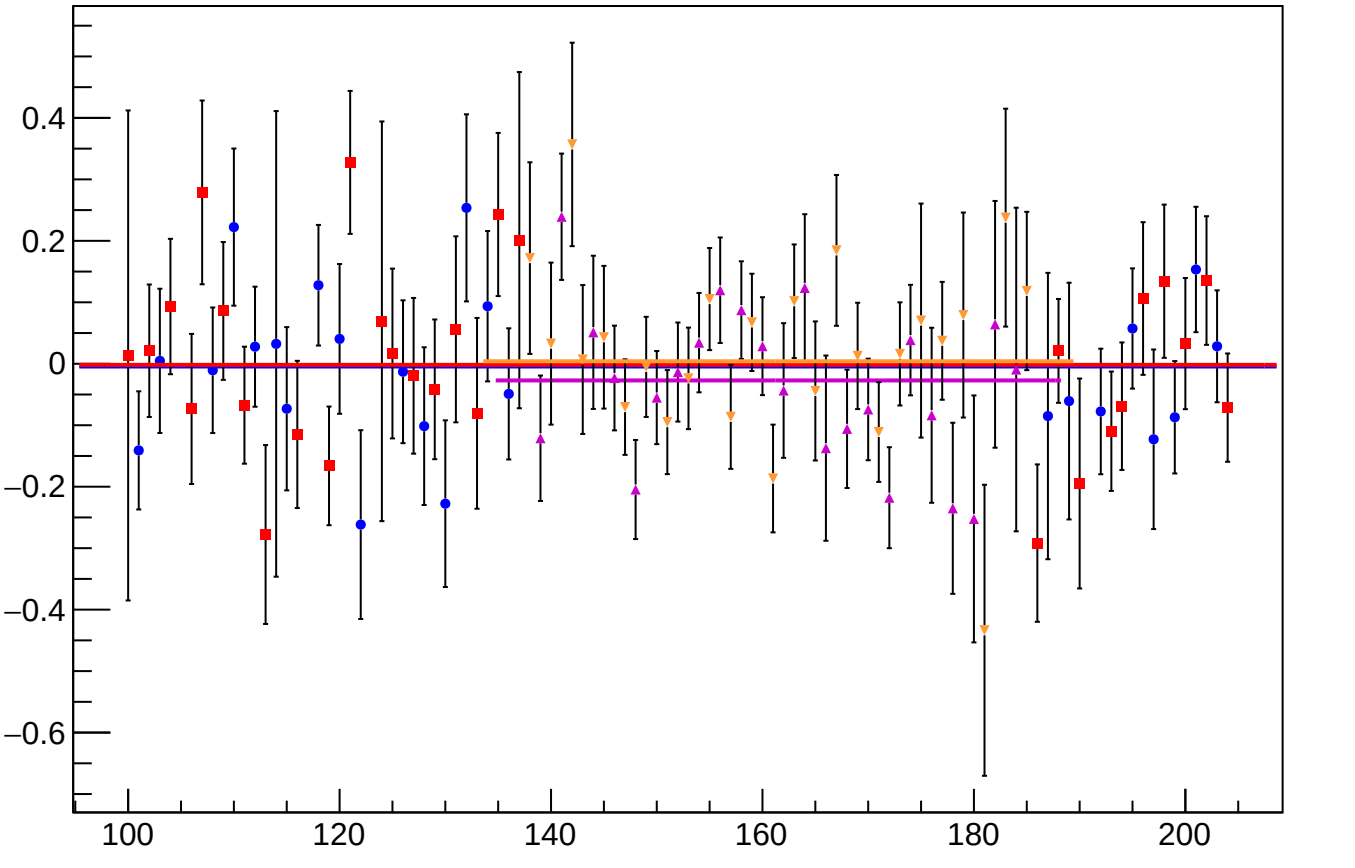
Left: 83.232+/-0.010 χ^2/NDF: 3746990.7/47

Right: 83.195+/-0.012 χ^2/NDF: 1564468.3/52

In: 82.928+/-0.011 χ^2/NDF:2391132.2/46

Out: 83.482+/-0.011 χ^2/NDF:2919025.8/53

All: 83.216+/-0.008 χ^2/NDF: 5311464.7/100



Right In: -0.004+/-0.024 χ^2/NDF: 22.4/23

Left Out: 0.004+/-0.020 χ^2/NDF:28.2/24

Right Out: -0.002+/-0.022 χ^2/NDF: 38.2/28

Left In: -0.027+/-0.021 χ^2/NDF:32.0/22

Left: -0.011+/-0.014 χ^2/NDF: 61.3/47

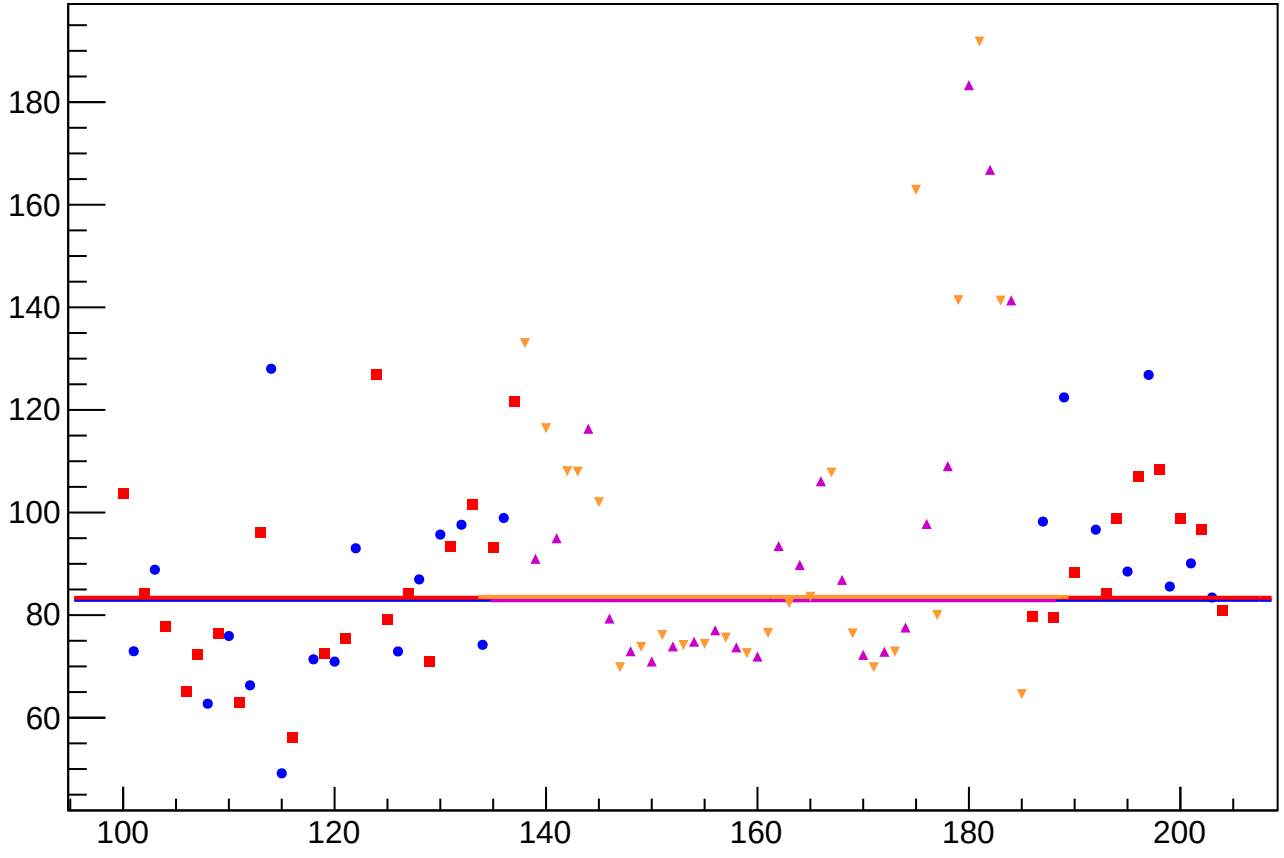
Right: -0.003+/-0.016 χ^2/NDF: 60.7/52

In: -0.018+/-0.016 χ^2/NDF:54.9/46

Out: 0.001+/-0.015 χ^2/NDF:66.5/53

All: -0.008+/-0.011 χ^2/NDF: 122.1/100

asym_usr_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 82.980+/-0.017 χ^2/NDF: 818135.5/23

Left Out: 83.565+/-0.014 χ^2/NDF:2172921.0/24

Right Out: 83.382+/-0.016 χ^2/NDF: 746031.4/28

Left In: 82.891+/-0.015 χ^2/NDF:1572981.0/22

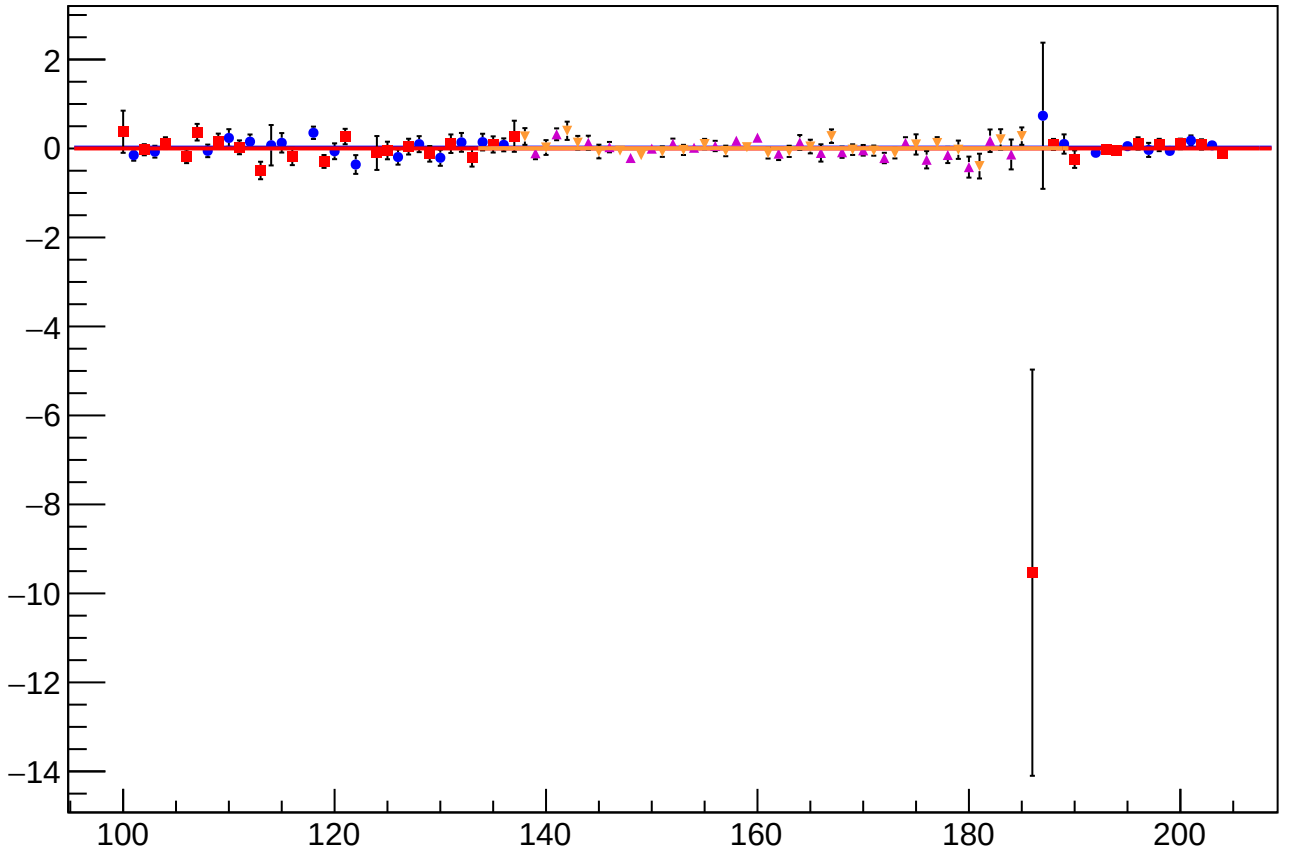
Left: 83.232+/-0.010 χ^2/NDF: 3746990.7/47

Right: 83.195+/-0.012 χ^2/NDF: 1564468.3/52

In: 82.928+/-0.011 χ^2/NDF:2391132.2/46

Out: 83.482+/-0.011 χ^2/NDF:2919025.8/53

All: 83.216+/-0.008 χ^2/NDF: 5311464.7/100



Right In: 0.019+/-0.031 χ^2/NDF: 22.4/23

Left Out: 0.006+/-0.028 χ^2/NDF:21.3/24

Right Out: 0.001+/-0.029 χ^2/NDF: 33.9/28

Left In: 0.010+/-0.028 χ^2/NDF:31.3/22

Left: 0.008+/-0.020 χ^2/NDF: 52.6/47

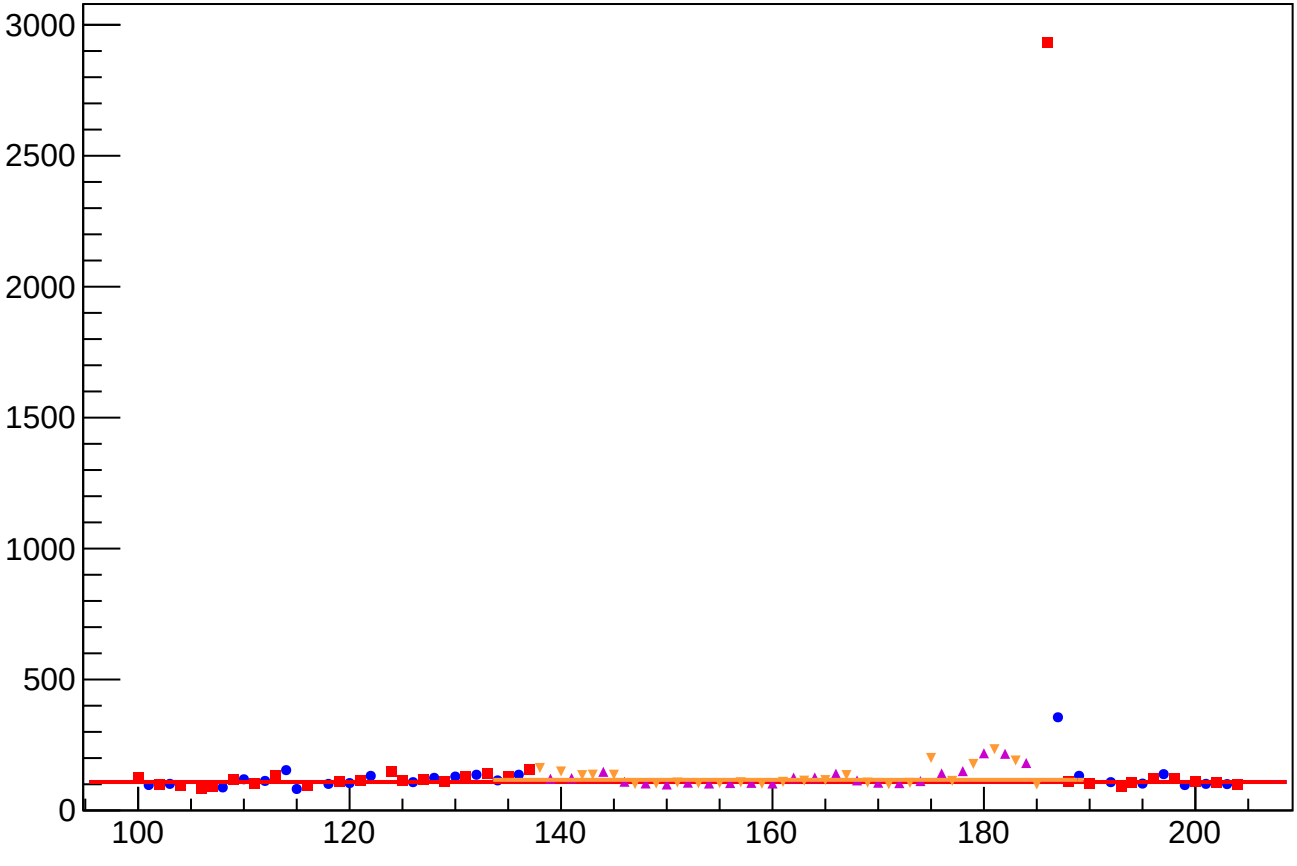
Right: 0.009+/-0.021 χ^2/NDF: 56.6/52

In: 0.014+/-0.021 χ^2/NDF:53.8/46

Out: 0.003+/-0.020 χ^2/NDF:55.2/53

All: 0.009+/-0.014 χ^2/NDF: 109.2/100

asym_usr_eigen_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



Right In: 108.743+/-0.022 χ^2/NDF: 495319.8/23

Left Out: 116.880+/-0.020 χ^2/NDF:1596928.7/24

Right Out: 108.586+/-0.021 χ^2/NDF: 1196525.8/28

Left In: 115.858+/-0.020 χ^2/NDF:1231371.8/22

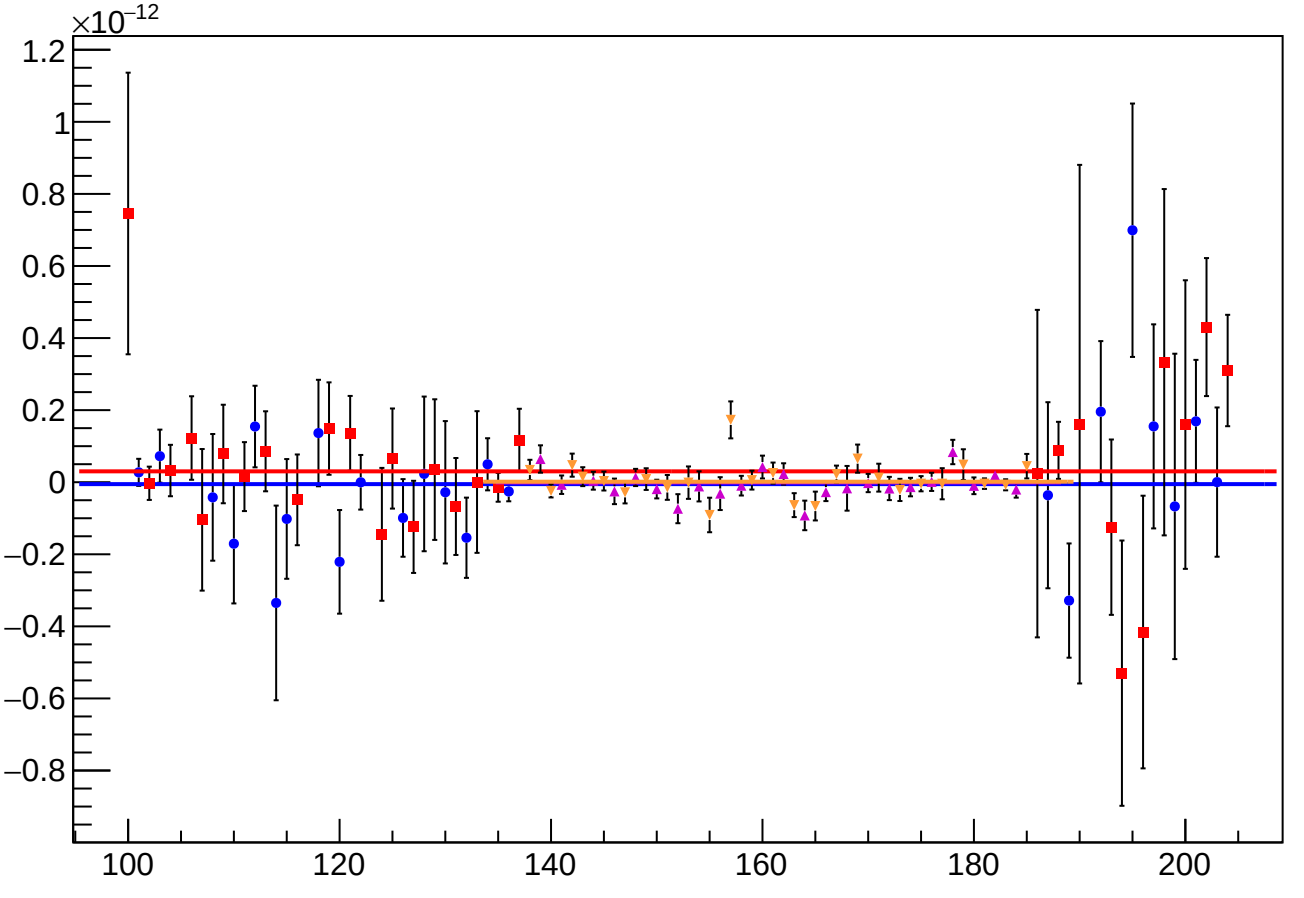
Left: 116.377+/-0.014 χ^2/NDF: 2829636.7/47

Right: 108.659+/-0.015 χ^2/NDF: 1691872.8/52

In: 112.653+/-0.015 χ^2/NDF:1784183.6/46

Out: 112.921+/-0.014 χ^2/NDF:2878663.9/53

All: 112.793+/-0.010 χ^2/NDF: 4663018.6/100



Right In: -0.000+/-0.000 χ^2/NDF: 24.2/23

Left Out: 0.000+/-0.000 χ^2/NDF:36.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 25.7/28

Left In: -0.000+/-0.000 χ^2/NDF:26.7/22

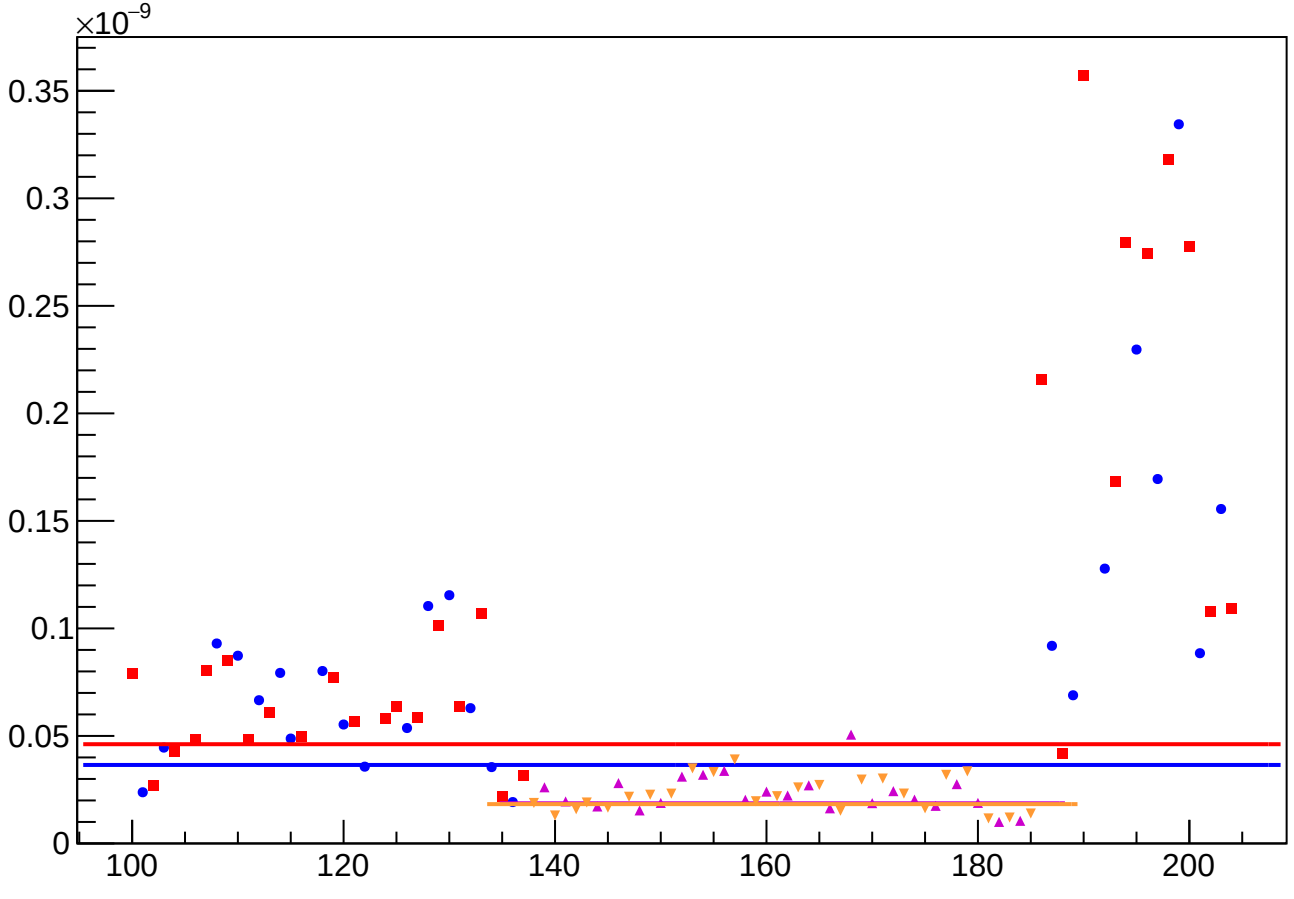
Left: 0.000+/-0.000 χ^2/NDF: 63.4/47

Right: 0.000+/-0.000 χ^2/NDF: 51.7/52

In: -0.000+/-0.000 χ^2/NDF:51.1/46

Out: 0.000+/-0.000 χ^2/NDF:64.2/53

All: 0.000+/-0.000 χ^2/NDF: 115.6/100



Right In: 0.000+/-0.000 χ^2/NDF: 6073938.7/23

Left Out: 0.000+/-0.000 χ^2/NDF:3029080.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6566649.4/28

Left In: 0.000+/-0.000 χ^2/NDF:2908977.5/22

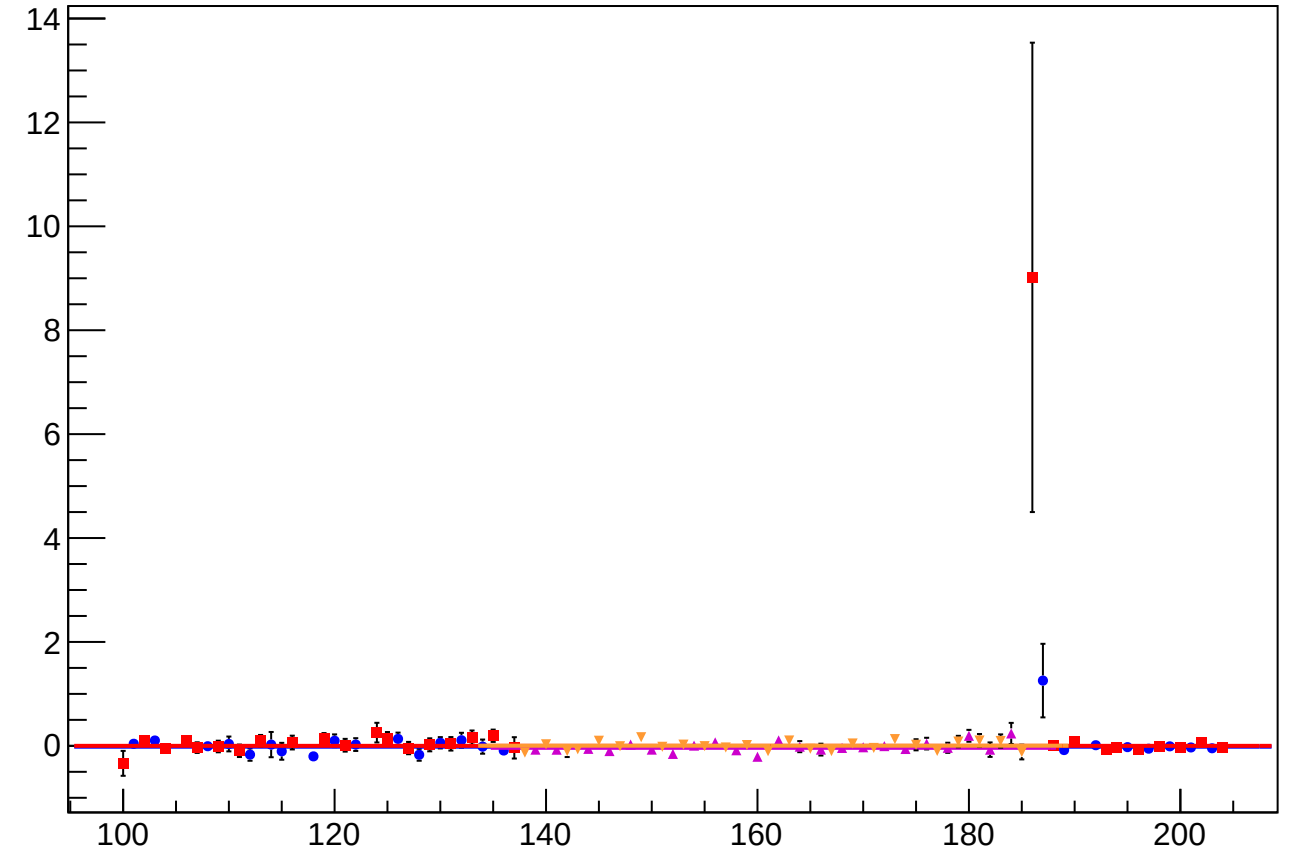
Left: 0.000+/-0.000 χ^2/NDF: 5943205.7/47

Right: 0.000+/-0.000 χ^2/NDF: 12905878.9/52

In: 0.000+/-0.000 χ^2/NDF:10868333.7/46

Out: 0.000+/-0.000 χ^2/NDF:13237715.6/53

All: 0.000+/-0.000 χ^2/NDF: 24106965.5/100



Right In: -0.016+/-0.015 χ^2/NDF: 23.2/23

Left Out: 0.003+/-0.017 χ^2/NDF:21.5/24

Right Out: -0.000+/-0.013 χ^2/NDF: 35.9/28

Left In: -0.038+/-0.018 χ^2/NDF:21.6/22

Left: -0.017+/-0.012 χ^2/NDF: 45.8/47

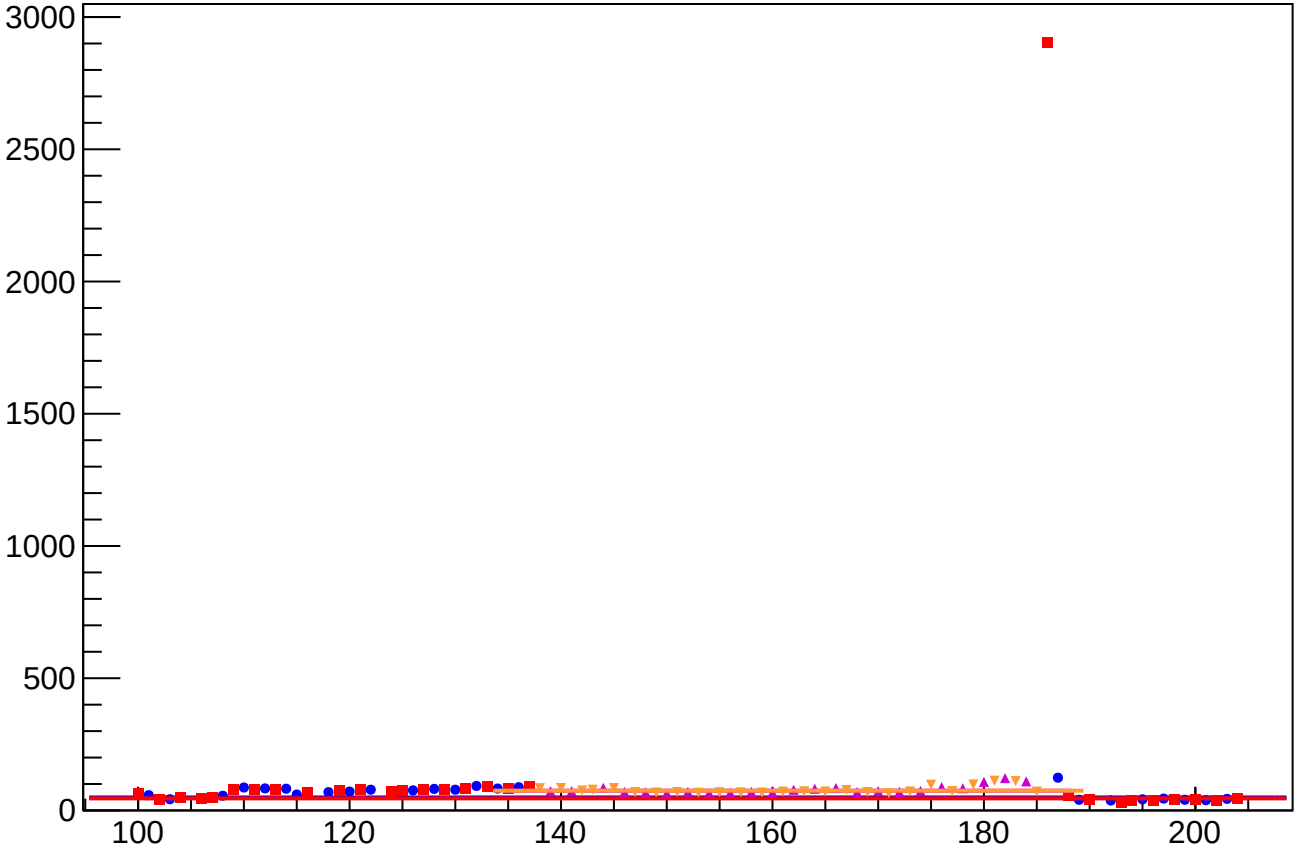
Right: -0.007+/-0.010 χ^2/NDF: 59.8/52

In: -0.025+/-0.011 χ^2/NDF:45.7/46

Out: 0.001+/-0.010 χ^2/NDF:57.4/53

All: -0.011+/-0.008 χ^2/NDF: 106.0/100

asym_usr_overload_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 49.132+/-0.010 χ^2/NDF: 2238074.3/23

Left Out: 74.749+/-0.012 χ^2/NDF:744366.0/24

Right Out: 45.628+/-0.009 χ^2/NDF: 3610984.8/28

Left In: 74.601+/-0.013 χ^2/NDF:713751.1/22

Left: 74.677+/-0.009 χ^2/NDF: 1458187.6/47

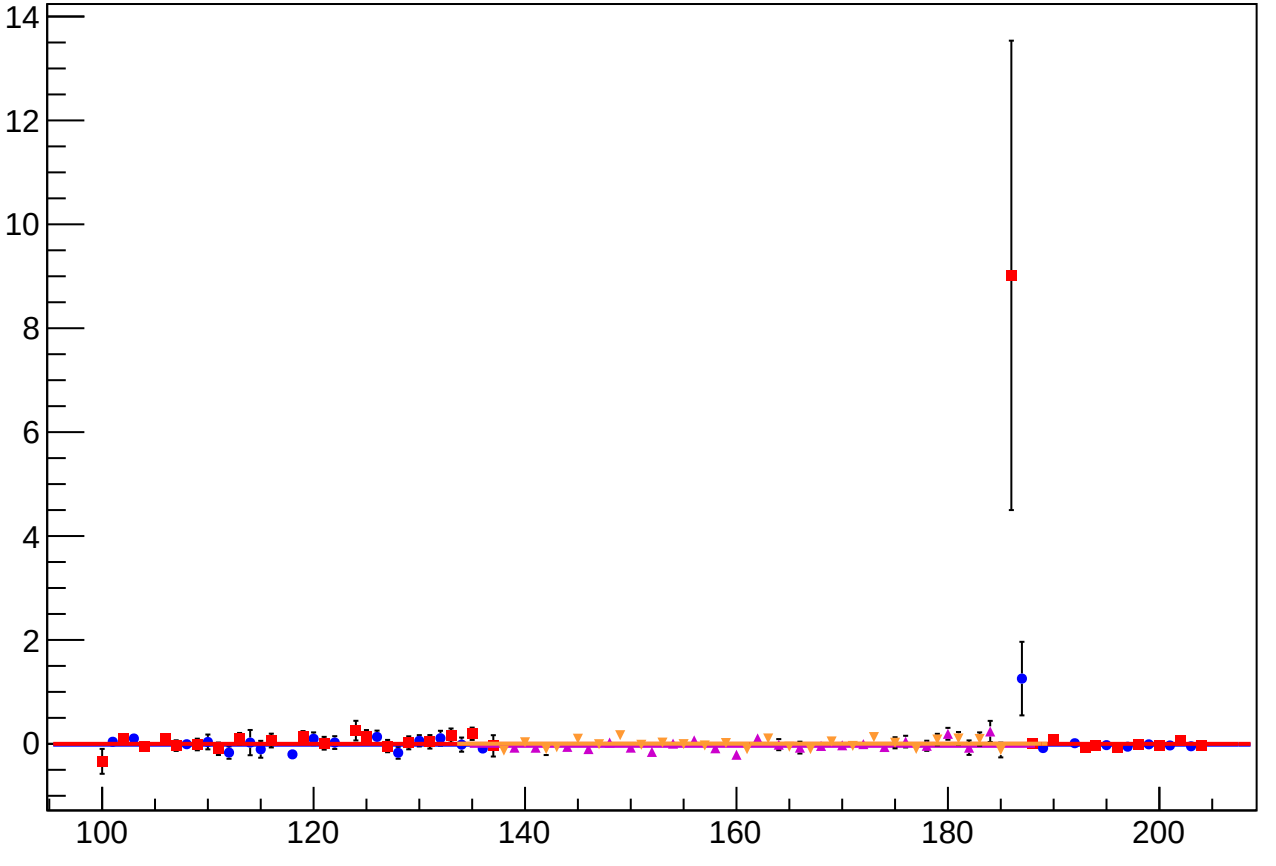
Right: 47.170+/-0.007 χ^2/NDF: 5913503.8/52

In: 59.332+/-0.008 χ^2/NDF:5385849.8/46

Out: 55.988+/-0.007 χ^2/NDF:7953662.1/53

All: 57.519+/-0.005 χ^2/NDF: 13434242.5/100

asym_usr_overload_cor_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.016+/-0.015 χ^2/NDF: 23.2/23

Left Out: 0.003+/-0.017 χ^2/NDF:21.5/24

Right Out: -0.000+/-0.013 χ^2/NDF: 35.9/28

Left In: -0.038+/-0.018 χ^2/NDF:21.6/22

Left: -0.017+/-0.012 χ^2/NDF: 45.8/47

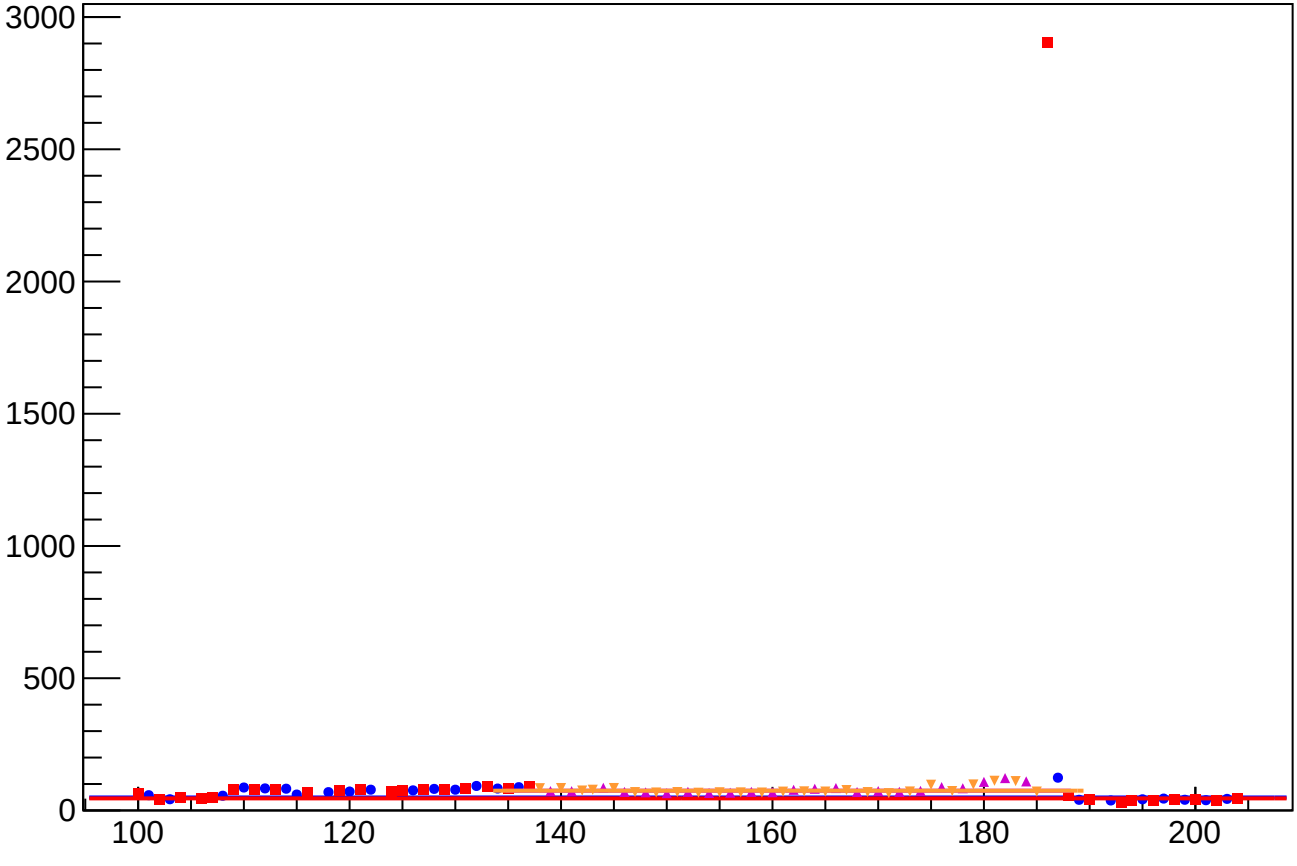
Right: -0.007+/-0.010 χ^2/NDF: 59.8/52

In: -0.025+/-0.011 χ^2/NDF:45.7/46

Out: 0.001+/-0.010 χ^2/NDF:57.4/53

All: -0.011+/-0.008 χ^2/NDF: 106.0/100

asym_usr_overload_cor_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 49.132+/-0.010 χ^2/NDF: 2238074.3/23

Left Out: 74.749+/-0.012 χ^2/NDF:744366.0/24

Right Out: 45.628+/-0.009 χ^2/NDF: 3610984.8/28

Left In: 74.601+/-0.013 χ^2/NDF:713751.1/22

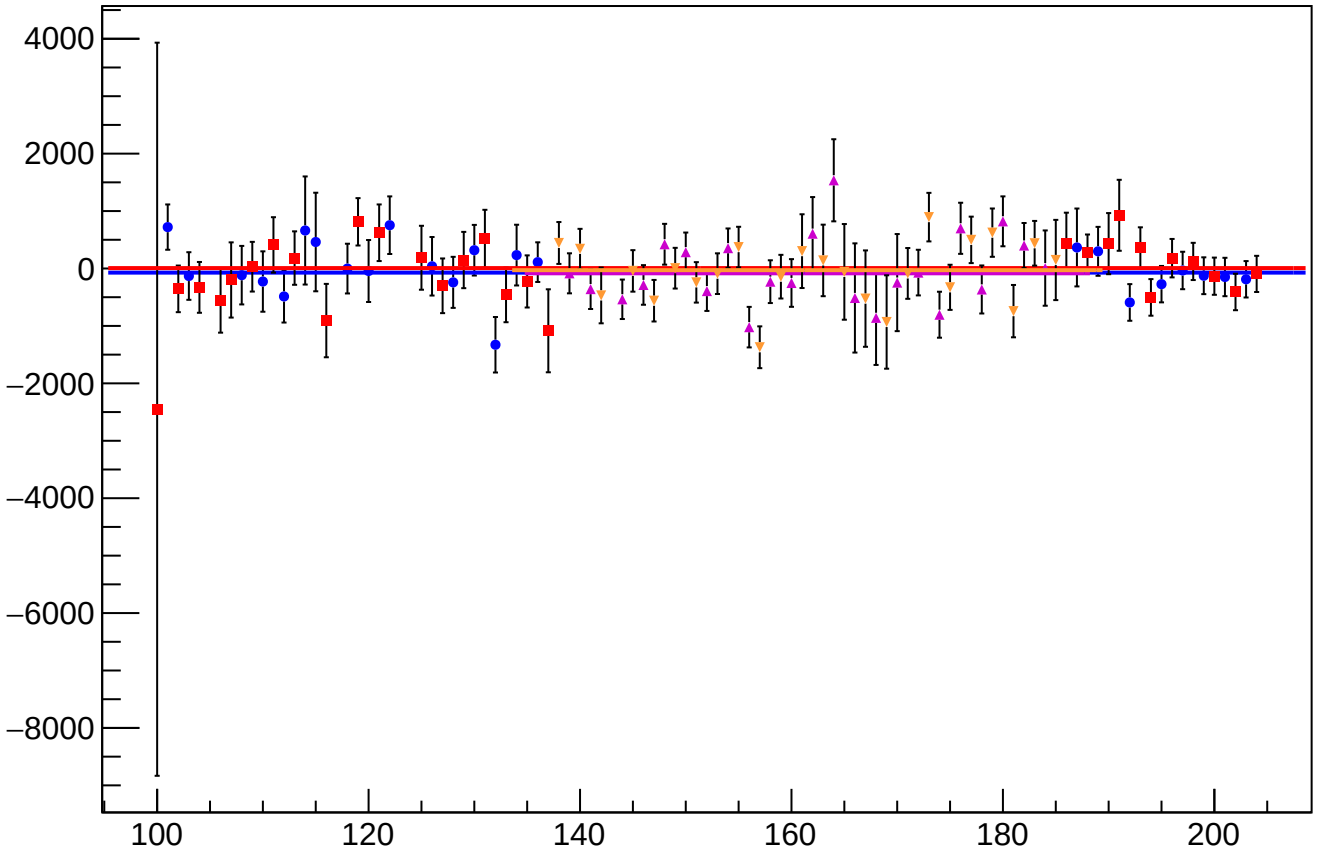
Left: 74.677+/-0.009 χ^2/NDF: 1458187.6/47

Right: 47.170+/-0.007 χ^2/NDF: 5913503.8/52

In: 59.332+/-0.008 χ^2/NDF:5385849.8/46

Out: 55.988+/-0.007 χ^2/NDF:7953662.1/53

All: 57.519+/-0.005 χ^2/NDF: 13434242.5/100



Right In: -71.820+/-85.871 χ^2/NDF: 21.5/23

Left Out: -29.346+/-86.530 χ^2/NDF:36.6/23

Right Out: 7.039+/-80.102 χ^2/NDF: 26.3/28

Left In: -83.719+/-86.476 χ^2/NDF:35.8/22

Left: -56.550+/-61.167 χ^2/NDF: 72.6/46

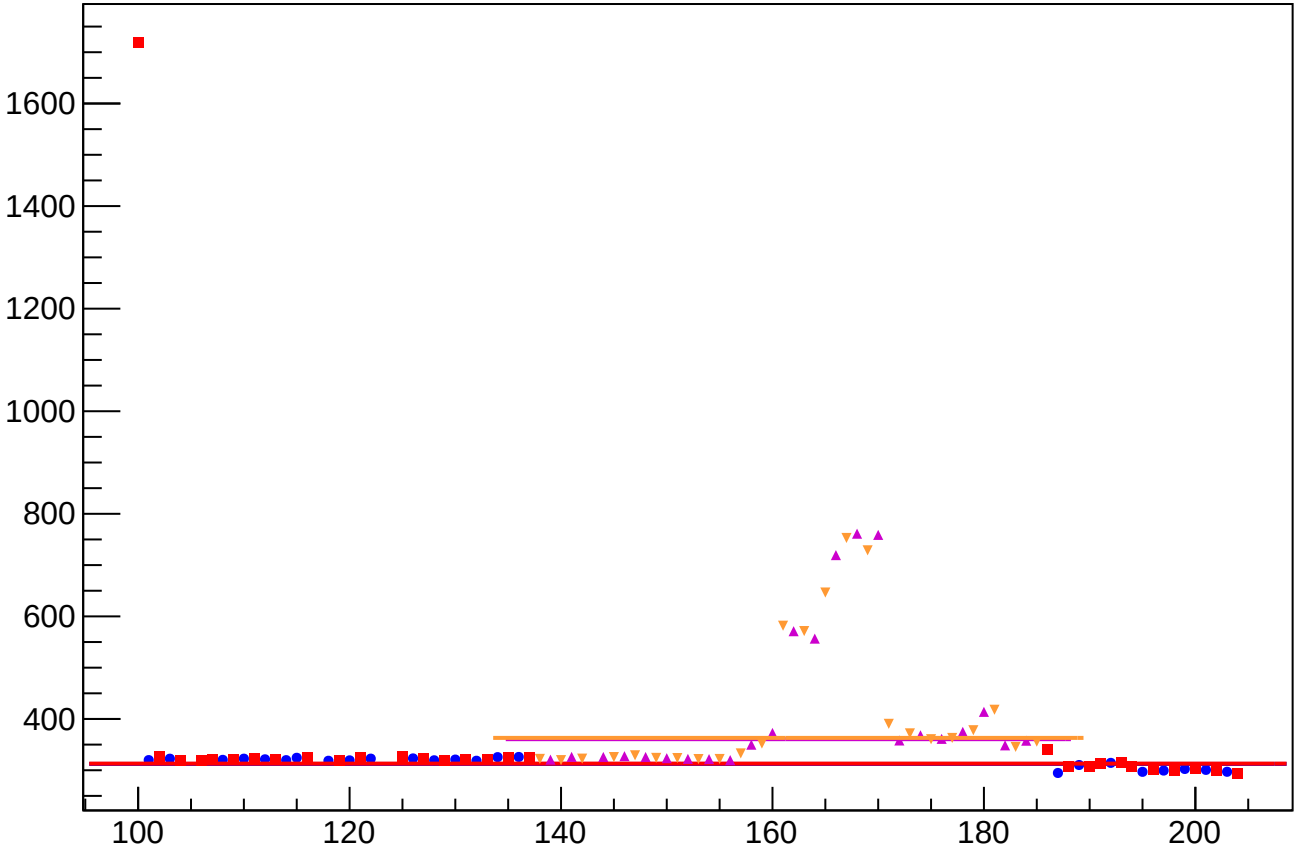
Right: -29.652+/-58.574 χ^2/NDF: 48.2/52

In: -77.728+/-60.933 χ^2/NDF:57.4/46

Out: -9.752+/-58.782 χ^2/NDF:62.9/52

All: -42.519+/-42.305 χ^2/NDF: 120.9/99

asym_dsl_rms vs Slug, Sign Corrected



Right In: 312.281+/-0.061 χ^2/NDF: 31196.7/23

Left Out: 363.079+/-0.061 χ^2/NDF:1795570.0/23

Right Out: 312.904+/-0.057 χ^2/NDF: 135690.3/28

Left In: 360.585+/-0.061 χ^2/NDF:1817691.0/22

Left: 361.831+/-0.043 χ^2/NDF: 3614092.1/46

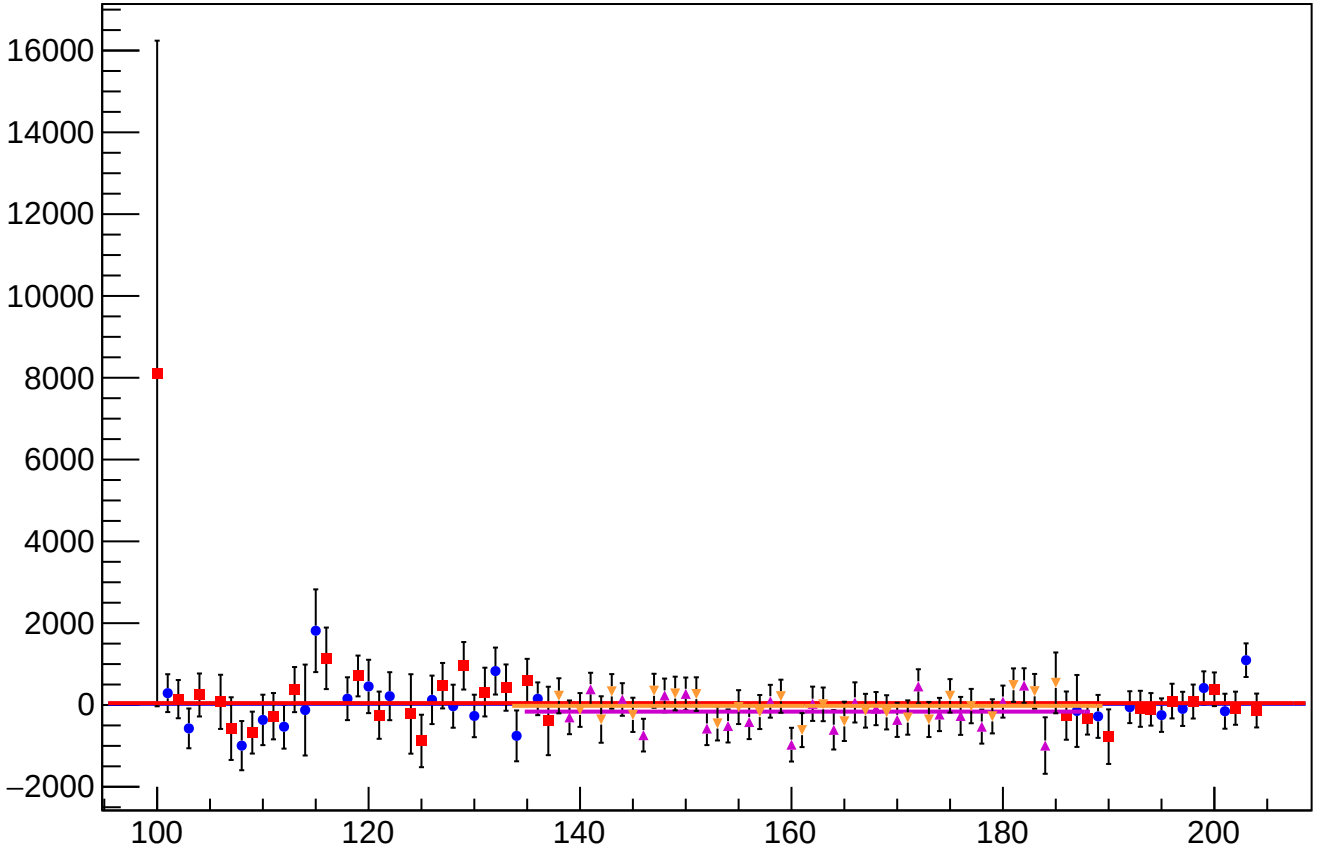
Right: 312.614+/-0.041 χ^2/NDF: 166943.1/52

In: 336.264+/-0.043 χ^2/NDF:2163094.1/46

Out: 336.059+/-0.042 χ^2/NDF:2293407.1/52

All: 336.158+/-0.030 χ^2/NDF: 4456513.0/99

asym_dsr_mean vs Slug, Sign Corrected



Right In: 28.527+/-104.756 χ^2/NDF: 22.7/23

Left Out: -21.061+/-85.620 χ^2/NDF:12.6/24

Right Out: 45.114+/-97.984 χ^2/NDF: 19.8/28

Left In: -162.992+/-87.991 χ^2/NDF:21.8/22

Left: -90.087+/-61.364 χ^2/NDF: 35.7/47

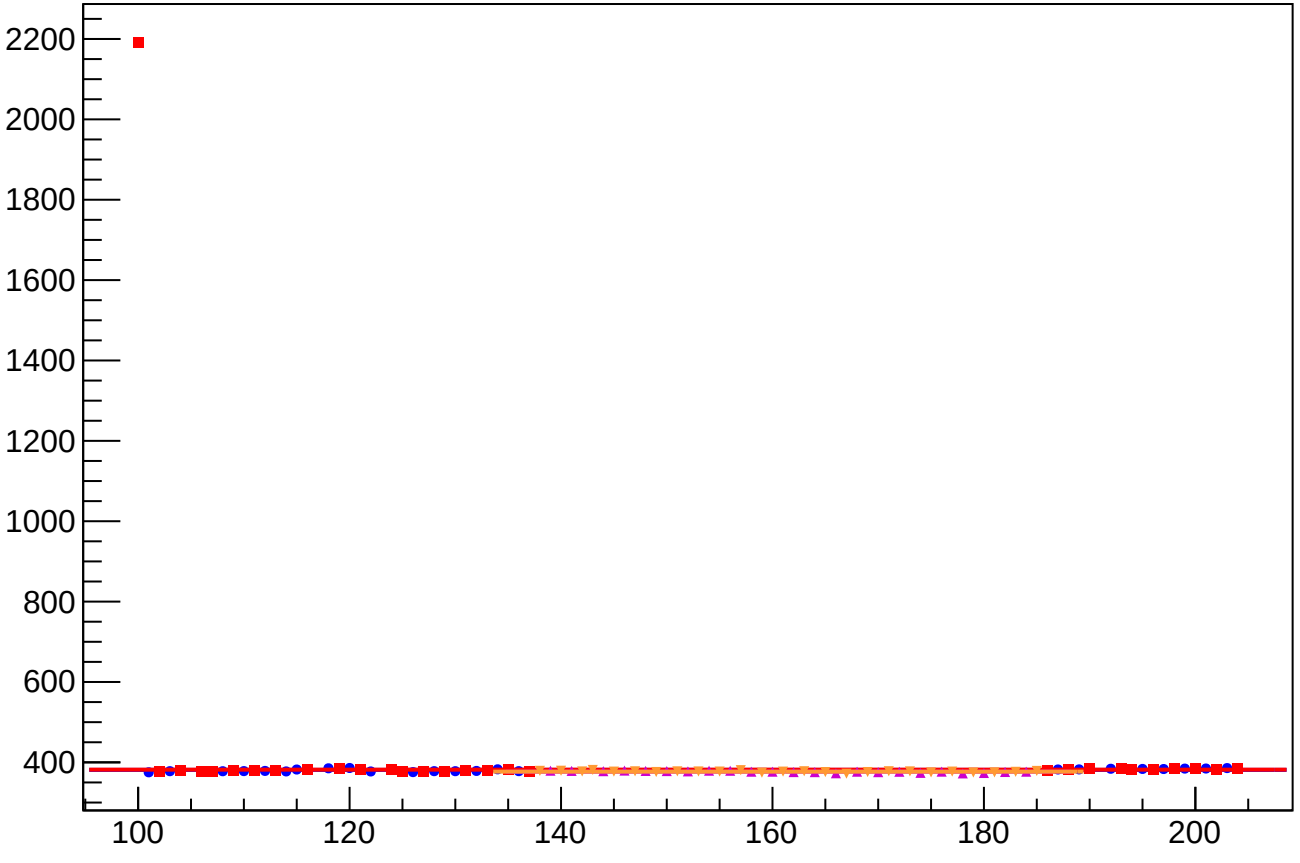
Right: 37.374+/-71.560 χ^2/NDF: 42.5/52

In: -83.765+/-67.377 χ^2/NDF:46.5/46

Out: 7.590+/-64.473 χ^2/NDF:32.7/53

All: -36.077+/-46.582 χ^2/NDF: 80.1/100

asym_dsr_rms vs Slug, Sign Corrected



Right In: 381.217+/-0.074 χ^2/NDF: 2129.1/23

Left Out: 376.906+/-0.061 χ^2/NDF:1058.3/24

Right Out: 381.801+/-0.069 χ^2/NDF: 100619.1/28

Left In: 376.846+/-0.062 χ^2/NDF:1074.1/22

Left: 376.877+/-0.043 χ^2/NDF: 2132.9/47

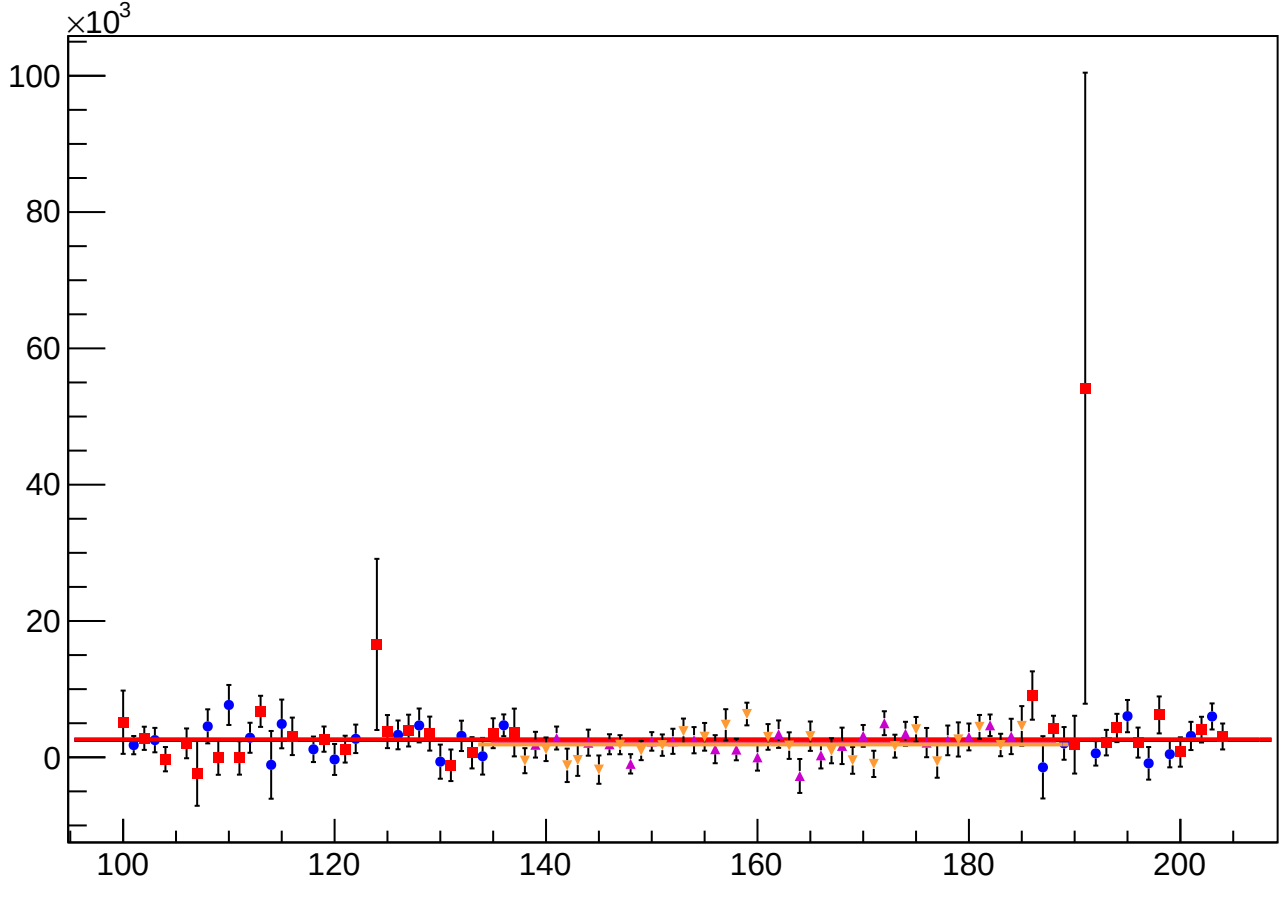
Right: 381.529+/-0.051 χ^2/NDF: 102781.3/52

In: 378.654+/-0.048 χ^2/NDF:5245.0/46

Out: 379.025+/-0.046 χ^2/NDF:104507.8/53

All: 378.848+/-0.033 χ^2/NDF: 109784.5/100

asym_us_agg_avg_mean vs Slug, Sign Corrected



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

Left Out: 1891.201+/-375.290 χ^2/NDF:28.4/24

Right Out: 2638.819+/-431.144 χ^2/NDF: 24.9/29

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

Left: 1997.240+/-266.690 χ^2/NDF: 47.1/47

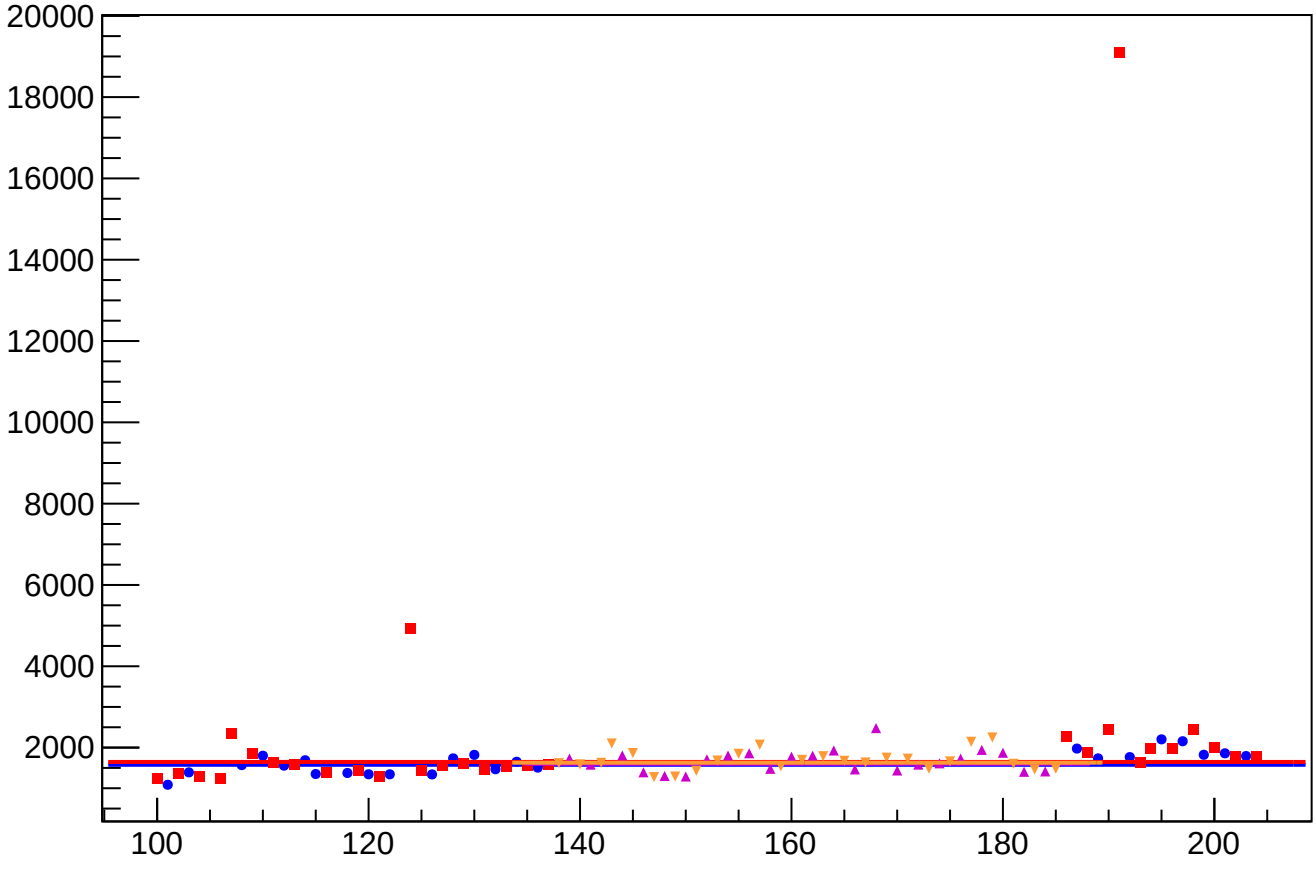
Right: 2589.939+/-308.696 χ^2/NDF: 48.0/53

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

Out: 2213.477+/-283.072 χ^2/NDF:55.0/54

All: 2250.549+/-201.808 χ^2/NDF: 97.2/101

asym_us_agg_avg_rms vs Slug, Sign Corrected



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

Left Out: 1628.479+/-0.265 χ^2/NDF:779094.7/24

Right Out: 1646.973+/-0.305 χ^2/NDF: 1356180.5/29

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

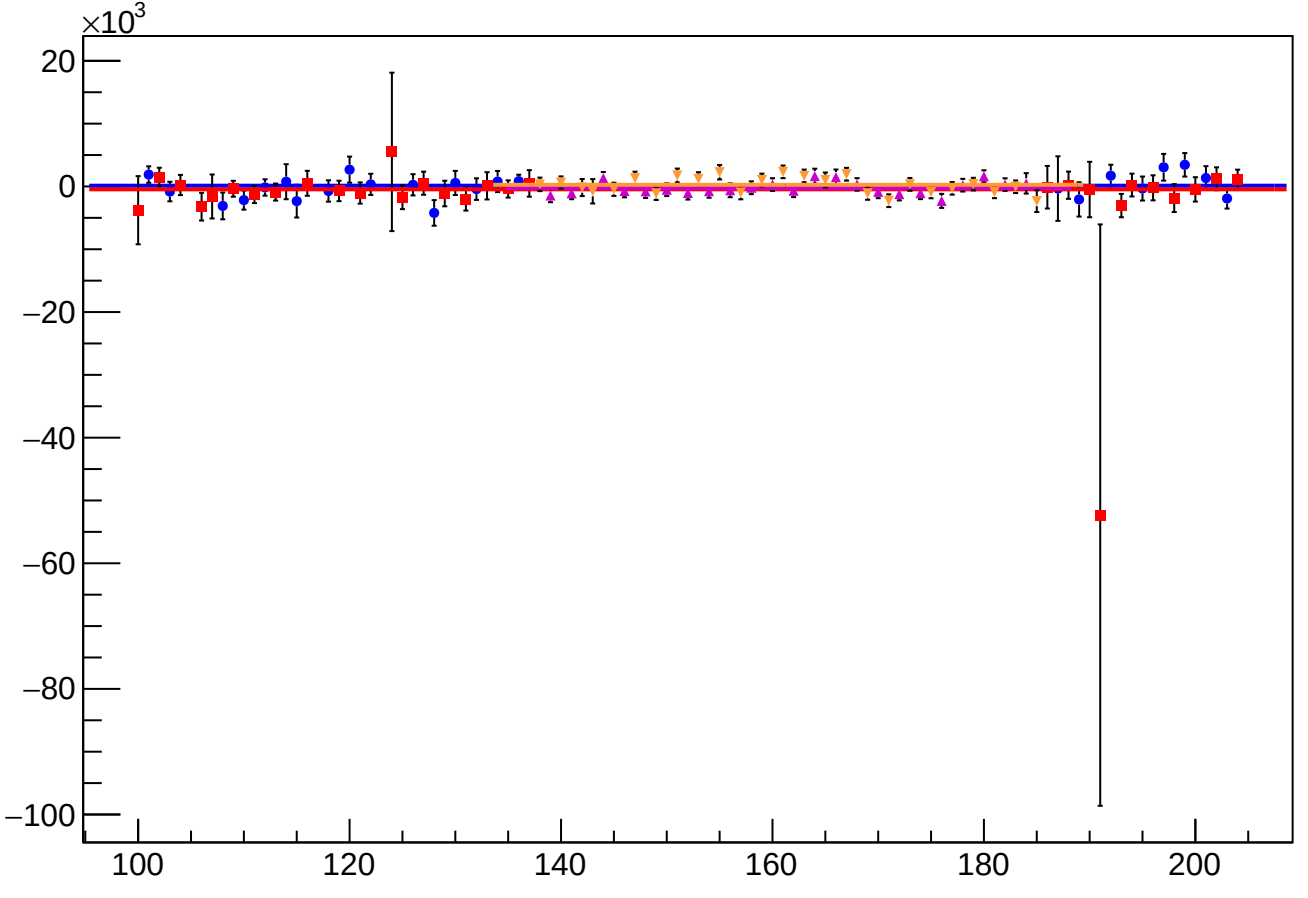
Left: 1615.122+/-0.189 χ^2/NDF: 1577935.0/47

Right: 1612.817+/-0.218 χ^2/NDF: 2222990.5/53

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

Out: 1636.451+/-0.200 χ^2/NDF:2137368.9/54

All: 1614.137+/-0.143 χ^2/NDF: 3800989.4/10



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

Left Out: 262.383+/-214.962 χ^2/NDF:33.9/24

Right Out: -459.310+/-346.953 χ^2/NDF: 12.6/29

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

Left: 0.994+/-152.955 χ^2/NDF: 58.3/47

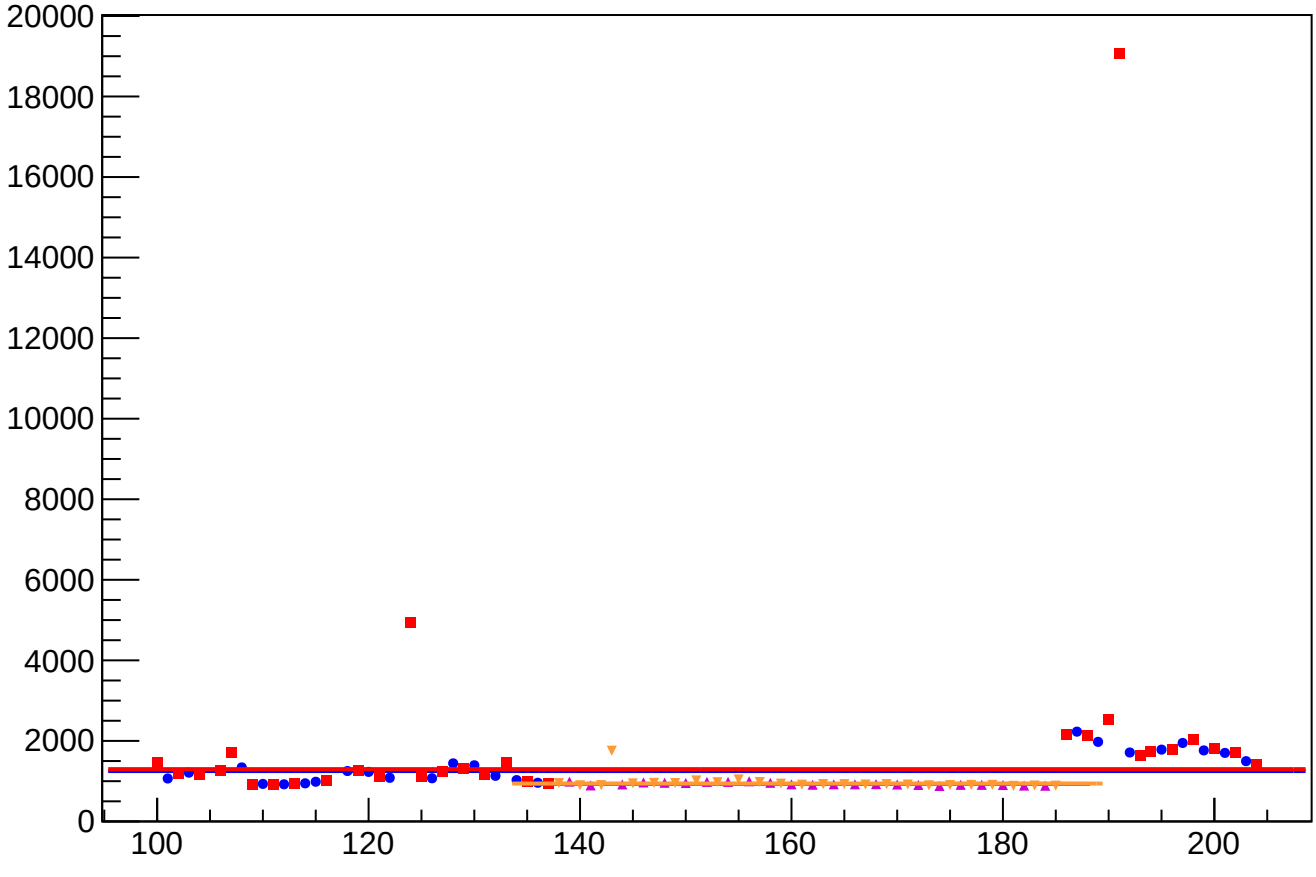
Right: -178.364+/-248.380 χ^2/NDF: 37.4/53

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

Out: 62.194+/-182.732 χ^2/NDF:49.7/54

All: -48.321+/-130.240 χ^2/NDF: 96.1/101

asym_us_agg_dd_rms vs Slug, Sign Corrected



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

Left Out: 941.013+/-0.152 χ^2/NDF:417710.2/24

Right Out: 1299.196+/-0.245 χ^2/NDF: 2619215.5/29

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

Left: 936.347+/-0.108 χ^2/NDF: 468535.2/47

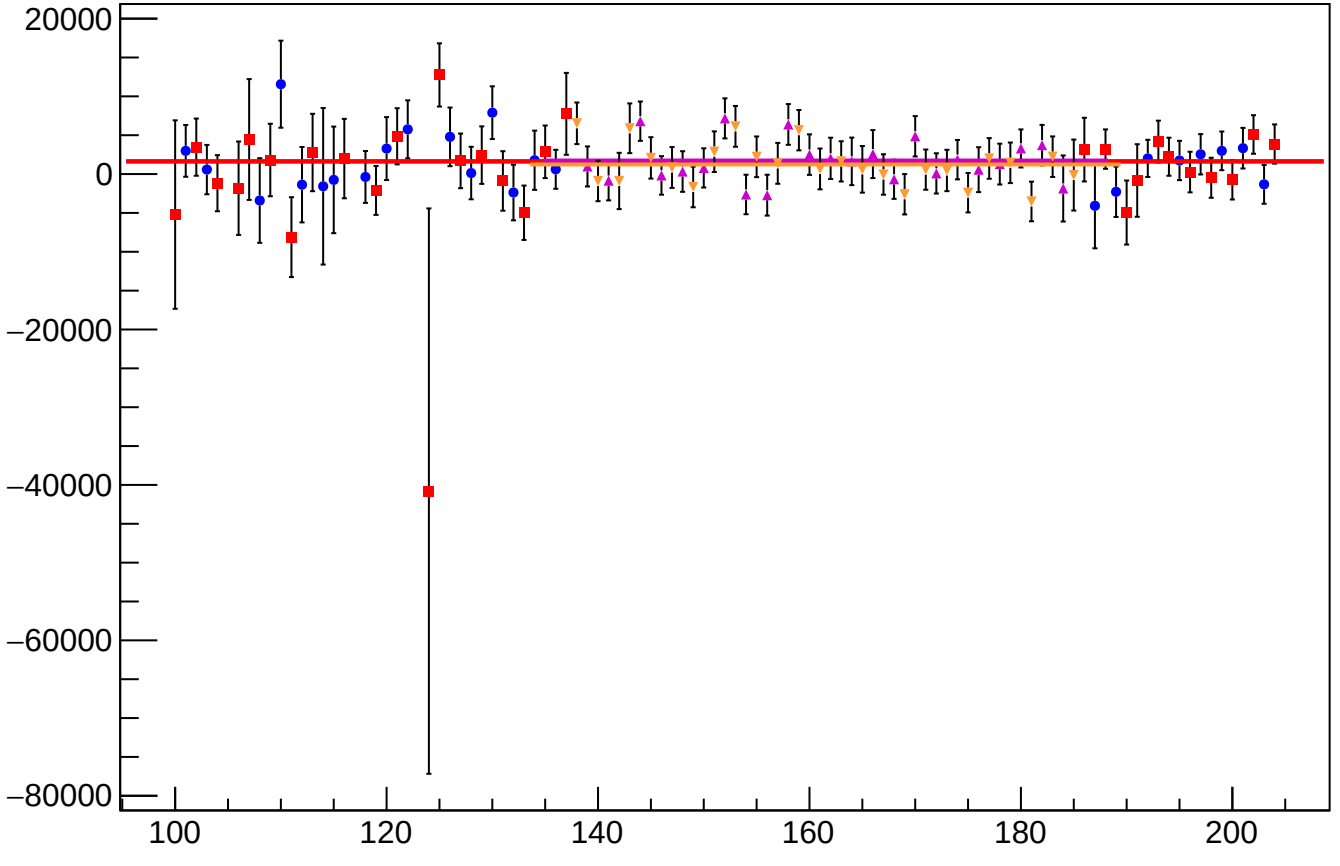
Right: 1275.895+/-0.176 χ^2/NDF: 4254843.1/53

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

Out: 1040.369+/-0.129 χ^2/NDF:4577216.7/54

All: 1029.707+/-0.092 χ^2/NDF: 7433351.1/10

reg_asym_atl1_mean vs Slug, Sign Corrected



Right In: 1627.656+/-677.555 χ^2/NDF: 17.2/23

Left Out: 1234.728+/-541.289 χ^2/NDF:23.9/24

Right Out: 1642.380+/-641.412 χ^2/NDF: 30.8/29

Left In: 1741.730+/-553.254 χ^2/NDF:24.4/22

Left: 1482.688+/-386.910 χ^2/NDF: 48.7/47

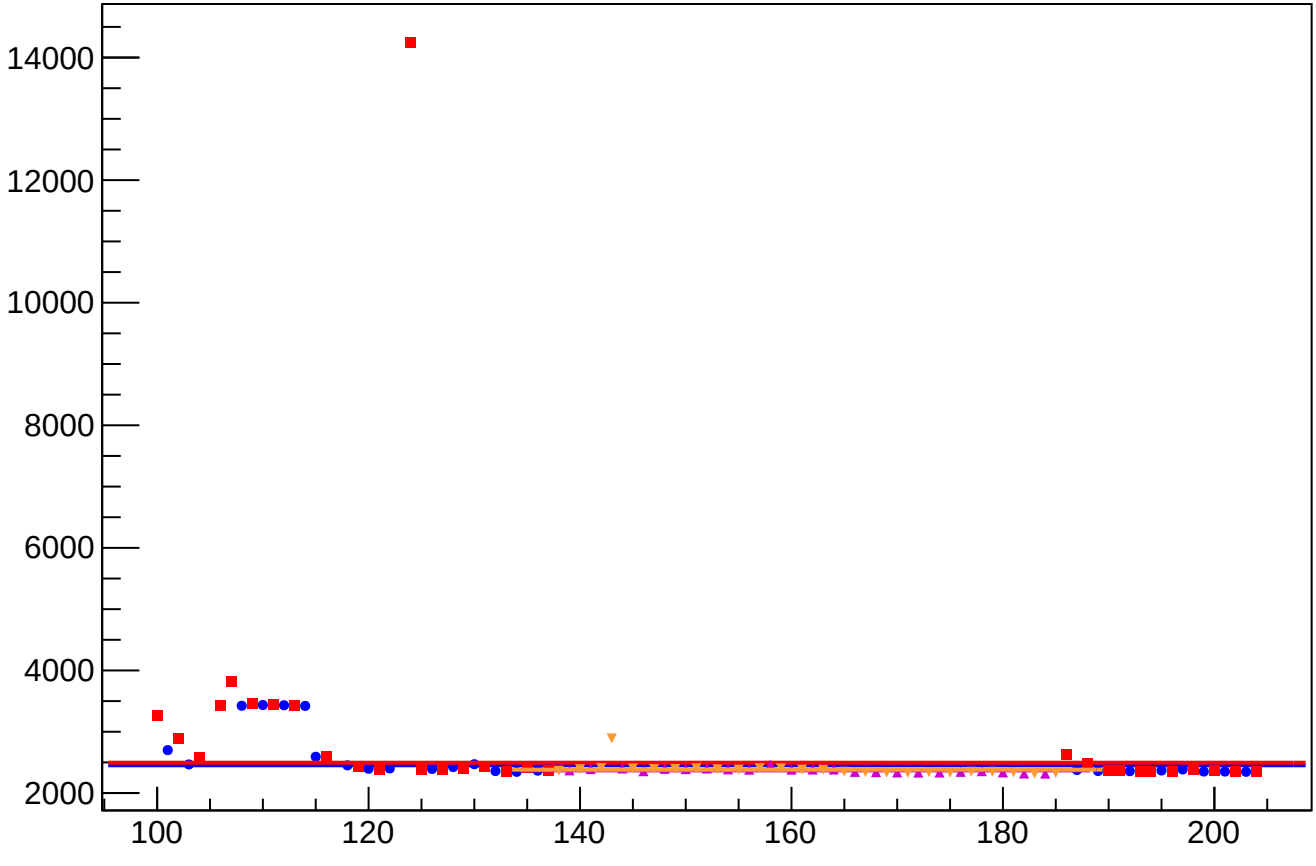
Right: 1635.421+/-465.800 χ^2/NDF: 47.9/53

In: 1696.097+/-428.539 χ^2/NDF:41.6/46

Out: 1404.290+/-413.672 χ^2/NDF:54.9/54

All: 1545.044+/-297.627 χ^2/NDF: 96.7/101

reg_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2453.274+/-0.479 χ^2/NDF: 263017.9/23

Left Out: 2381.235+/-0.383 χ^2/NDF:57623.2/24

Right Out: 2494.949+/-0.454 χ^2/NDF: 630517.2/29

Left In: 2369.384+/-0.391 χ^2/NDF:7034.0/22

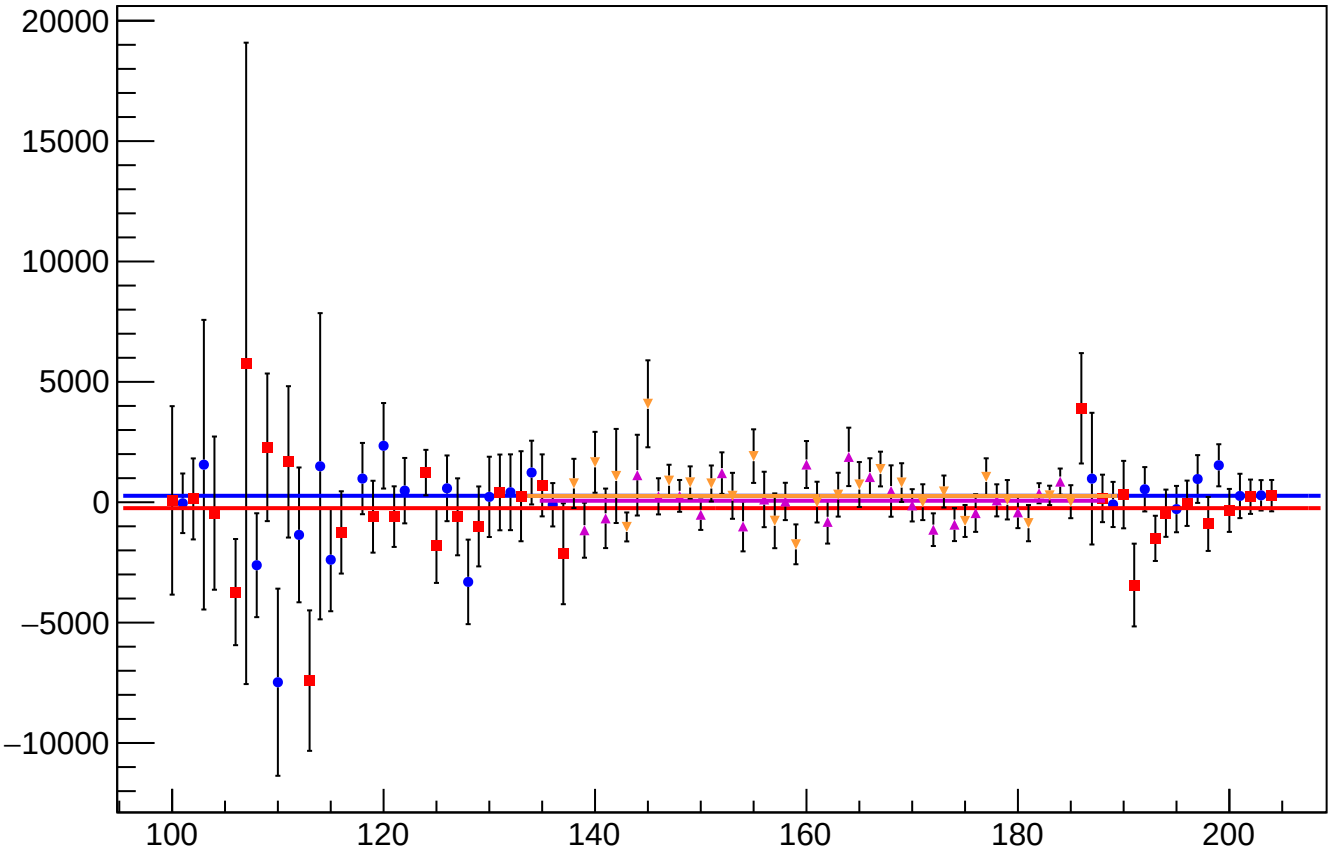
Left: 2375.439+/-0.274 χ^2/NDF: 65126.0/47

Right: 2475.253+/-0.329 χ^2/NDF: 897525.4/53

In: 2402.943+/-0.303 χ^2/NDF:288446.6/46

Out: 2428.534+/-0.293 χ^2/NDF:724854.5/54

All: 2416.190+/-0.210 χ^2/NDF: 1016993.2/10



Right In: 267.906+/-253.064 χ^2/NDF: 17.5/23

Left Out: 261.877+/-154.009 χ^2/NDF:31.1/24

Right Out: -245.844+/-235.440 χ^2/NDF: 26.0/29

Left In: 61.960+/-157.394 χ^2/NDF:22.0/22

Left: 164.091+/-110.078 χ^2/NDF: 53.9/47

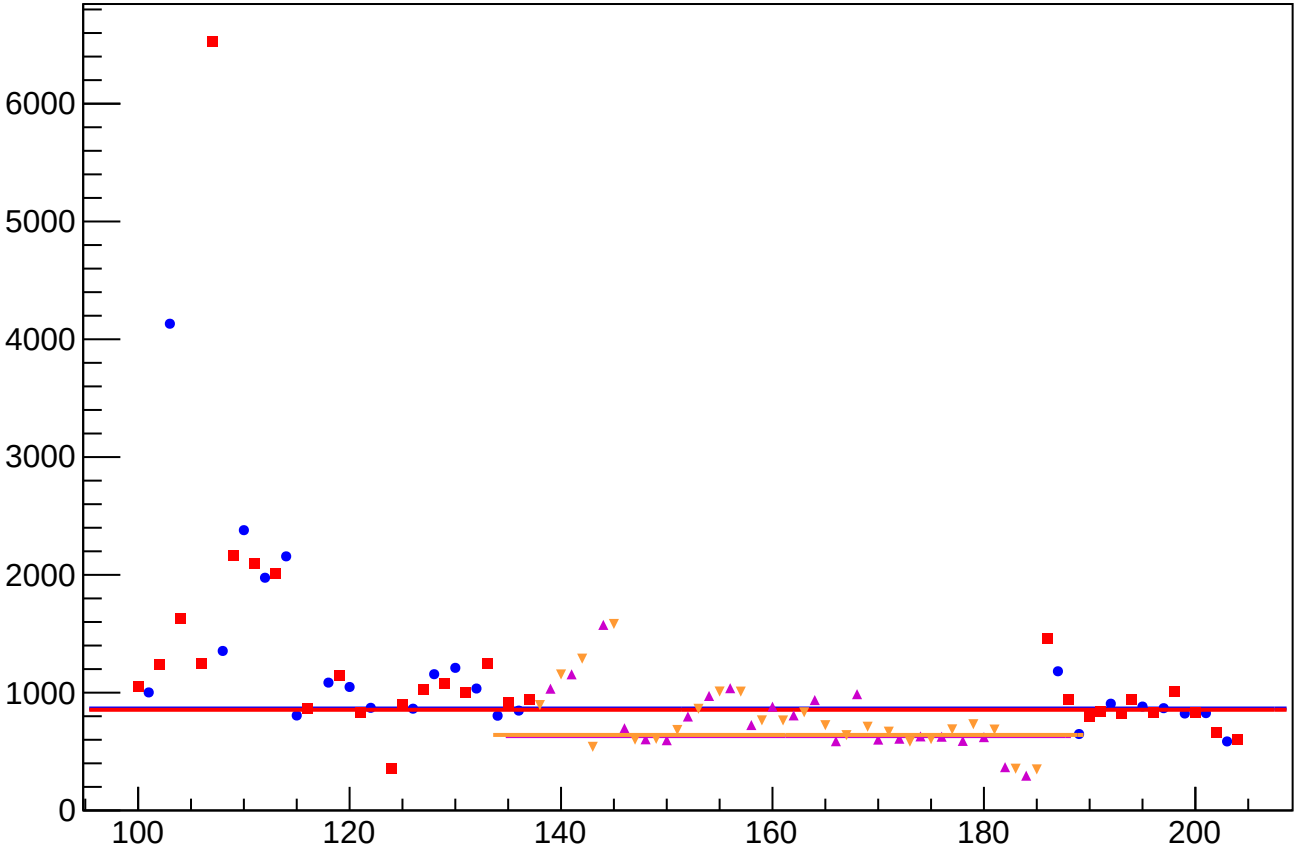
Right: -7.480+/-172.375 χ^2/NDF: 45.8/53

In: 119.404+/-133.652 χ^2/NDF:40.0/46

Out: 109.730+/-128.884 χ^2/NDF:60.4/54

All: 114.391+/-92.775 χ^2/NDF: 100.4/101

asym_atl1_reg_correction_rms vs Slug, Sign Corrected



Right In: 865.363+/-0.179 χ^2/NDF: 2191086.9/23

Left Out: 641.156+/-0.109 χ^2/NDF:3474860.7/24

Right Out: 854.667+/-0.166 χ^2/NDF: 3122412.3/29

Left In: 631.199+/-0.111 χ^2/NDF:3975438.6/22

Left: 636.286+/-0.078 χ^2/NDF: 7454389.1/47

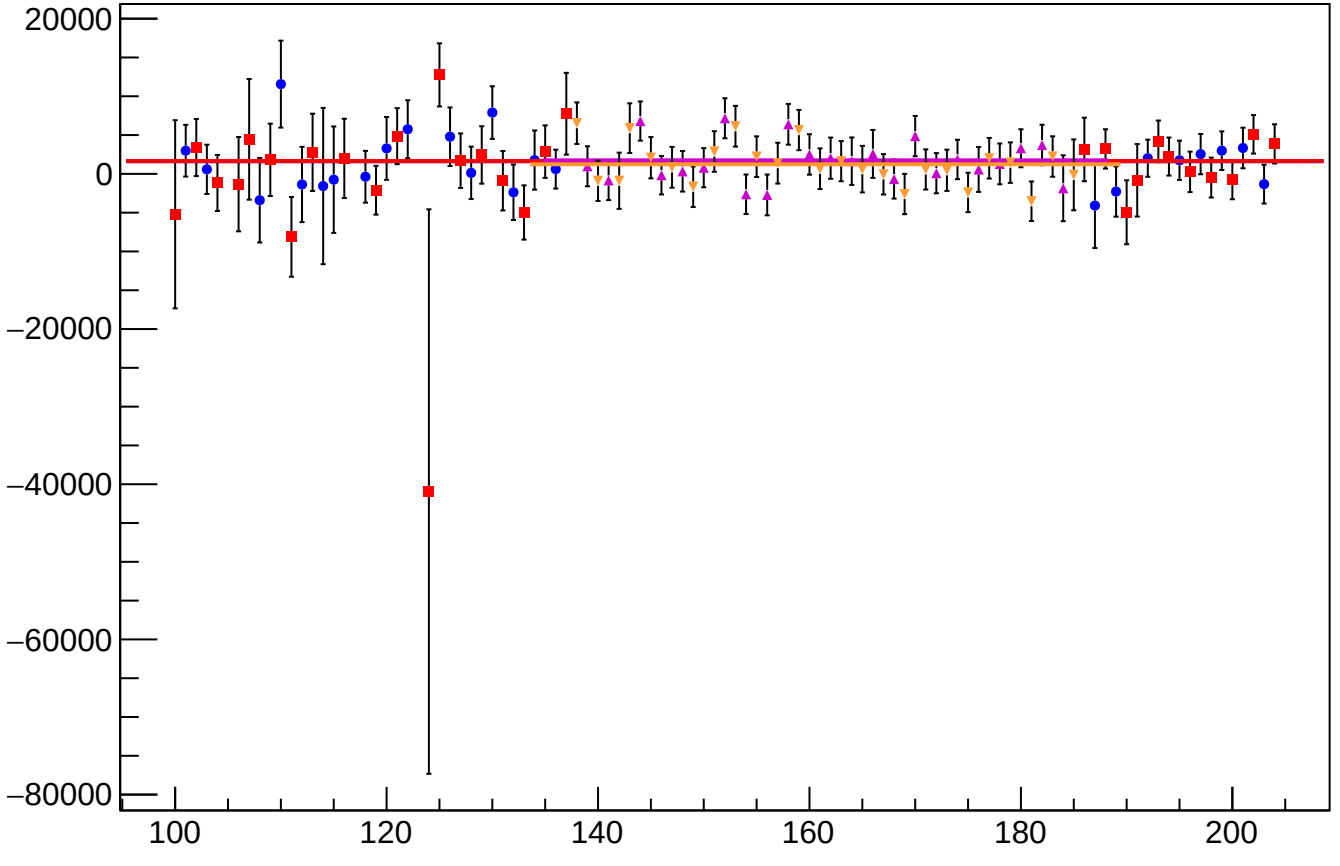
Right: 859.629+/-0.122 χ^2/NDF: 5315414.2/53

In: 696.513+/-0.095 χ^2/NDF:7401300.3/46

Out: 705.138+/-0.091 χ^2/NDF:7749166.1/54

All: 700.982+/-0.066 χ^2/NDF: 15154781.8/10

cor_asym_atl1_mean vs Slug, Sign Corrected



Right In: 1627.947+/-677.555 χ^2/NDF: 17.2/23

Left Out: 1234.706+/-541.289 χ^2/NDF:23.9/24

Right Out: 1646.542+/-641.495 χ^2/NDF: 30.7/29

Left In: 1741.784+/-553.254 χ^2/NDF:24.4/22

Left: 1482.702+/-386.910 χ^2/NDF: 48.7/47

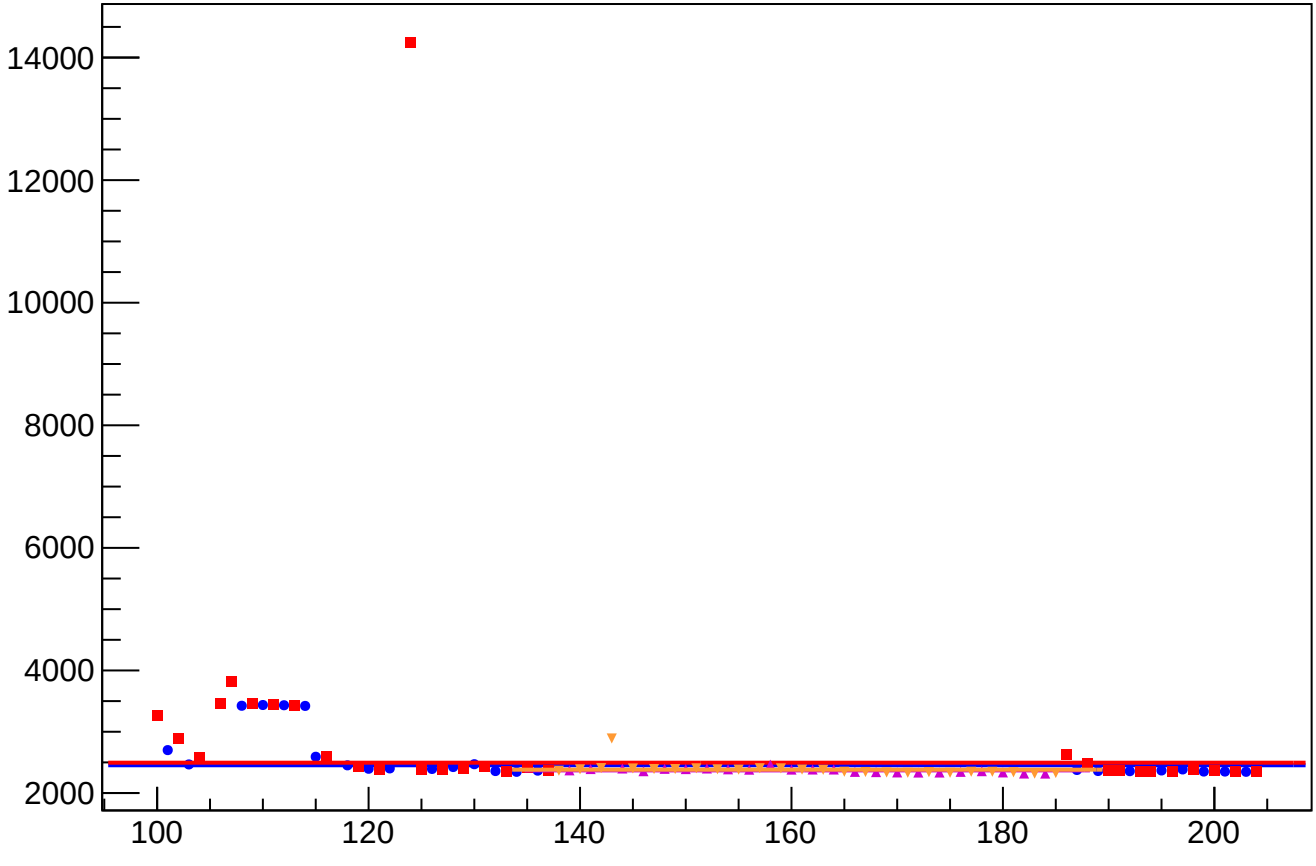
Right: 1637.752+/-465.832 χ^2/NDF: 47.8/53

In: 1696.246+/-428.539 χ^2/NDF:41.6/46

Out: 1405.982+/-413.694 χ^2/NDF:54.8/54

All: 1545.999+/-297.635 χ^2/NDF: 96.6/101

cor_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2453.275+/-0.479 χ^2/NDF: 263017.9/23

Left Out: 2381.235+/-0.383 χ^2/NDF:57623.2/24

Right Out: 2495.146+/-0.454 χ^2/NDF: 633415.9/29

Left In: 2369.384+/-0.391 χ^2/NDF:7034.0/22

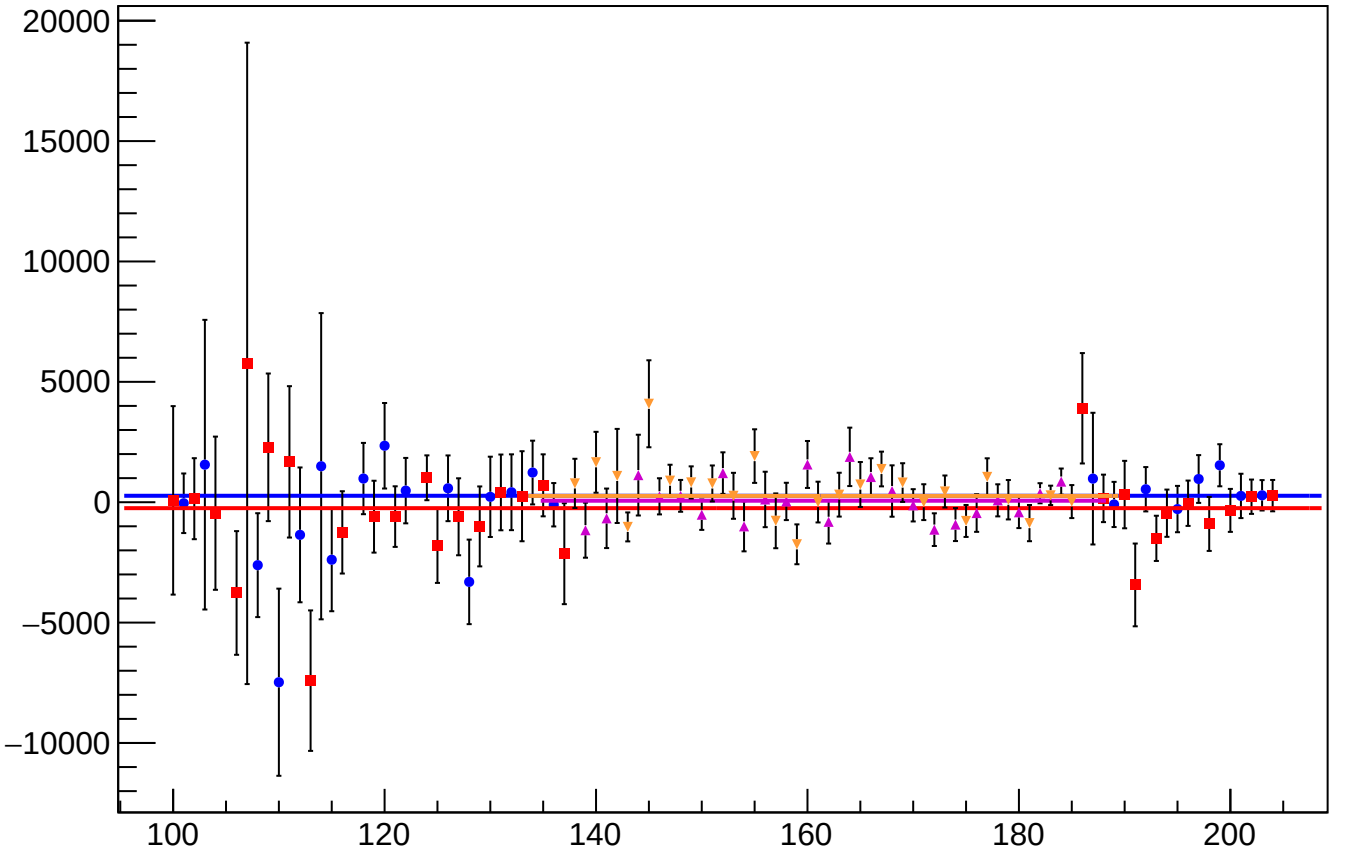
Left: 2375.439+/-0.274 χ^2/NDF: 65126.0/47

Right: 2475.354+/-0.329 χ^2/NDF: 900461.4/53

In: 2402.943+/-0.303 χ^2/NDF:288446.6/46

Out: 2428.609+/-0.293 χ^2/NDF:727874.9/54

All: 2416.228+/-0.210 χ^2/NDF: 1020035.0/10



Right In: 267.850+/-253.064 χ^2/NDF: 17.6/23

Left Out: 262.160+/-154.012 χ^2/NDF:31.1/24

Right Out: -246.876+/-235.599 χ^2/NDF: 24.8/29

Left In: 61.976+/-157.393 χ^2/NDF:22.0/22

Left: 164.242+/-110.079 χ^2/NDF: 53.9/47

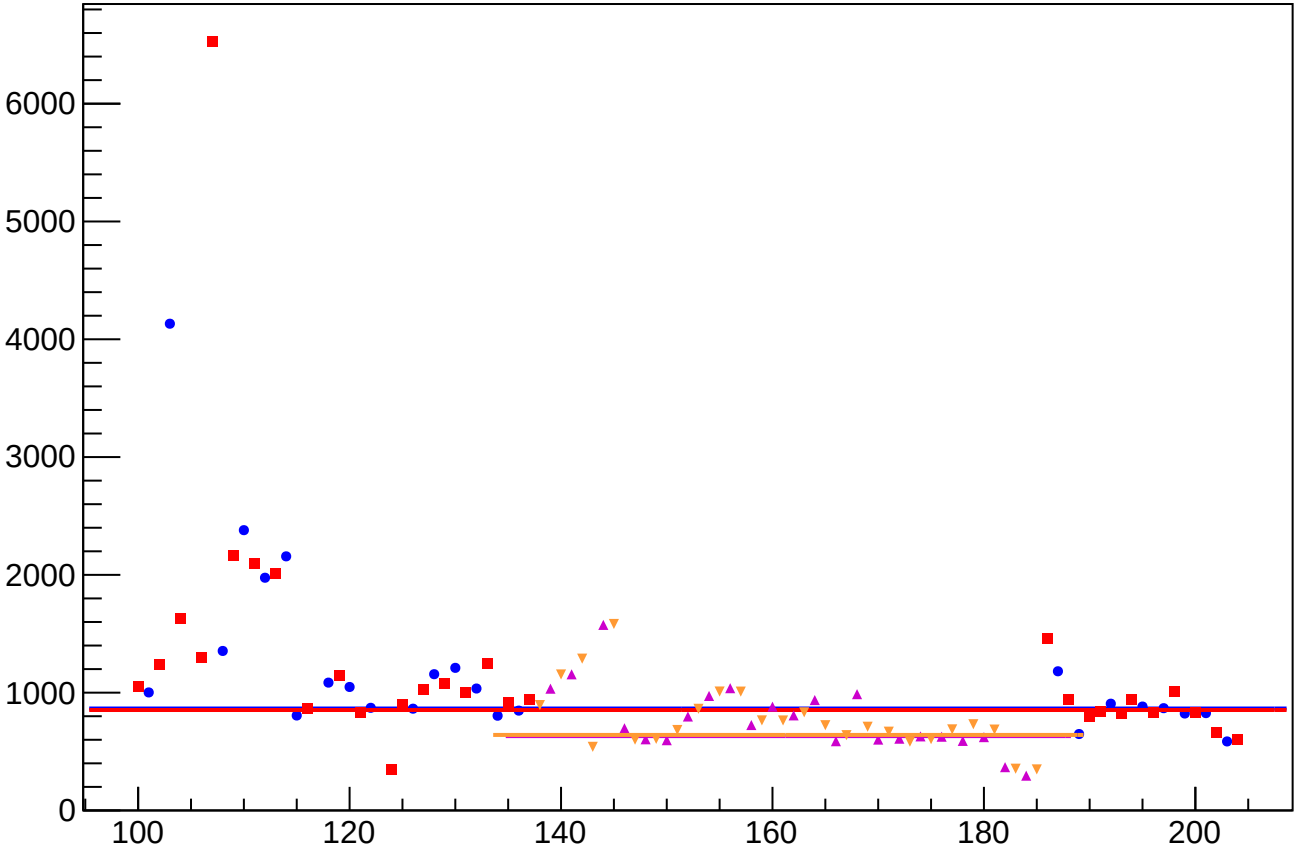
Right: -7.887+/-172.438 χ^2/NDF: 44.6/53

In: 119.400+/-133.652 χ^2/NDF:40.0/46

Out: 109.760+/-128.911 χ^2/NDF:59.2/54

All: 114.406+/-92.785 χ^2/NDF: 99.2/101

asym_atl1_cor_correction_rms vs Slug, Sign Corrected



Right In: 865.362+/-0.179 χ^2/NDF: 2191100.9/23

Left Out: 641.169+/-0.109 χ^2/NDF:3474589.1/24

Right Out: 852.769+/-0.167 χ^2/NDF: 3143295.0/29

Left In: 631.196+/-0.111 χ^2/NDF:3975563.1/22

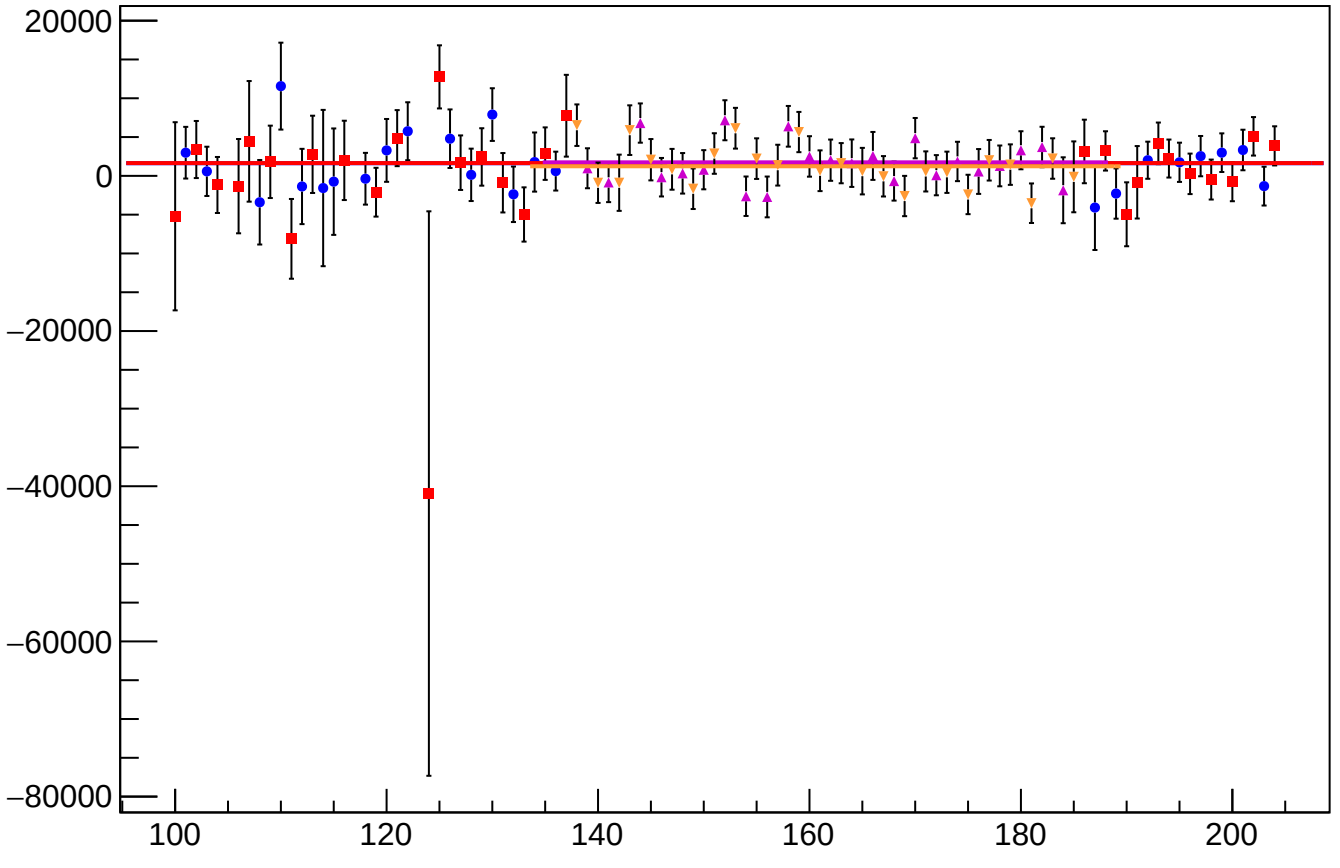
Left: 636.291+/-0.078 χ^2/NDF: 7454254.5/47

Right: 858.616+/-0.122 χ^2/NDF: 5337048.8/53

In: 696.511+/-0.095 χ^2/NDF:7401463.8/46

Out: 704.520+/-0.091 χ^2/NDF:7748177.9/54

All: 700.660+/-0.066 χ^2/NDF: 15153362.1/10



Right In: 1627.947+/-677.555 χ^2/NDF: 17.2/23

Left Out: 1234.706+/-541.289 χ^2/NDF:23.9/24

Right Out: 1646.542+/-641.495 χ^2/NDF: 30.7/29

Left In: 1741.784+/-553.254 χ^2/NDF:24.4/22

Left: 1482.702+/-386.910 χ^2/NDF: 48.7/47

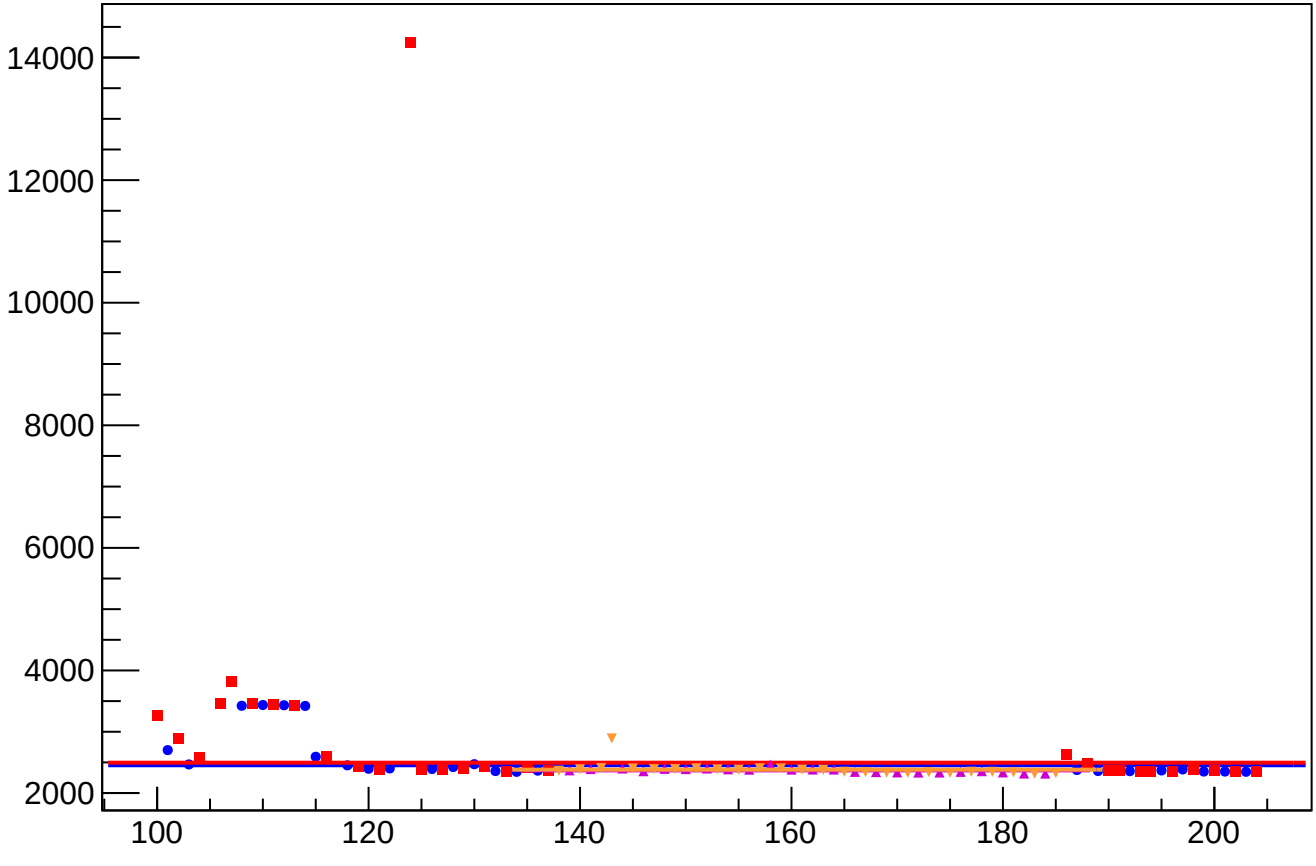
Right: 1637.752+/-465.832 χ^2/NDF: 47.8/53

In: 1696.246+/-428.539 χ^2/NDF:41.6/46

Out: 1405.982+/-413.694 χ^2/NDF:54.8/54

All: 1545.999+/-297.635 χ^2/NDF: 96.6/101

eigen_cor_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2453.275+/-0.479 χ^2/NDF: 263017.9/23

Left Out: 2381.235+/-0.383 χ^2/NDF:57623.2/24

Right Out: 2495.146+/-0.454 χ^2/NDF: 633415.9/29

Left In: 2369.384+/-0.391 χ^2/NDF:7034.0/22

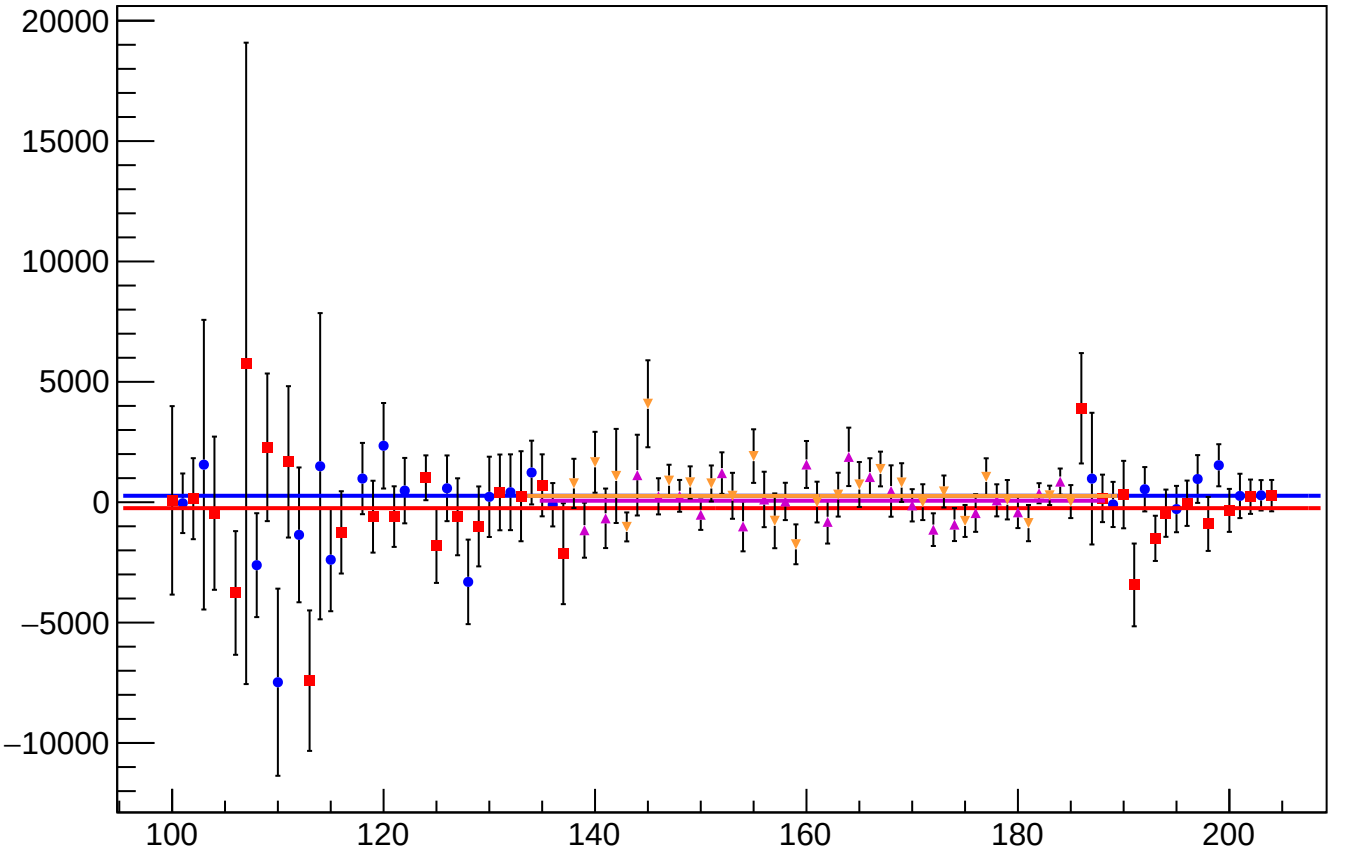
Left: 2375.439+/-0.274 χ^2/NDF: 65126.0/47

Right: 2475.354+/-0.329 χ^2/NDF: 900461.4/53

In: 2402.943+/-0.303 χ^2/NDF:288446.6/46

Out: 2428.609+/-0.293 χ^2/NDF:727874.9/54

All: 2416.228+/-0.210 χ^2/NDF: 1020035.0/10



Right In: 267.850+/-253.064 χ^2/NDF: 17.6/23

Left Out: 262.160+/-154.012 χ^2/NDF:31.1/24

Right Out: -246.876+/-235.599 χ^2/NDF: 24.8/29

Left In: 61.976+/-157.393 χ^2/NDF:22.0/22

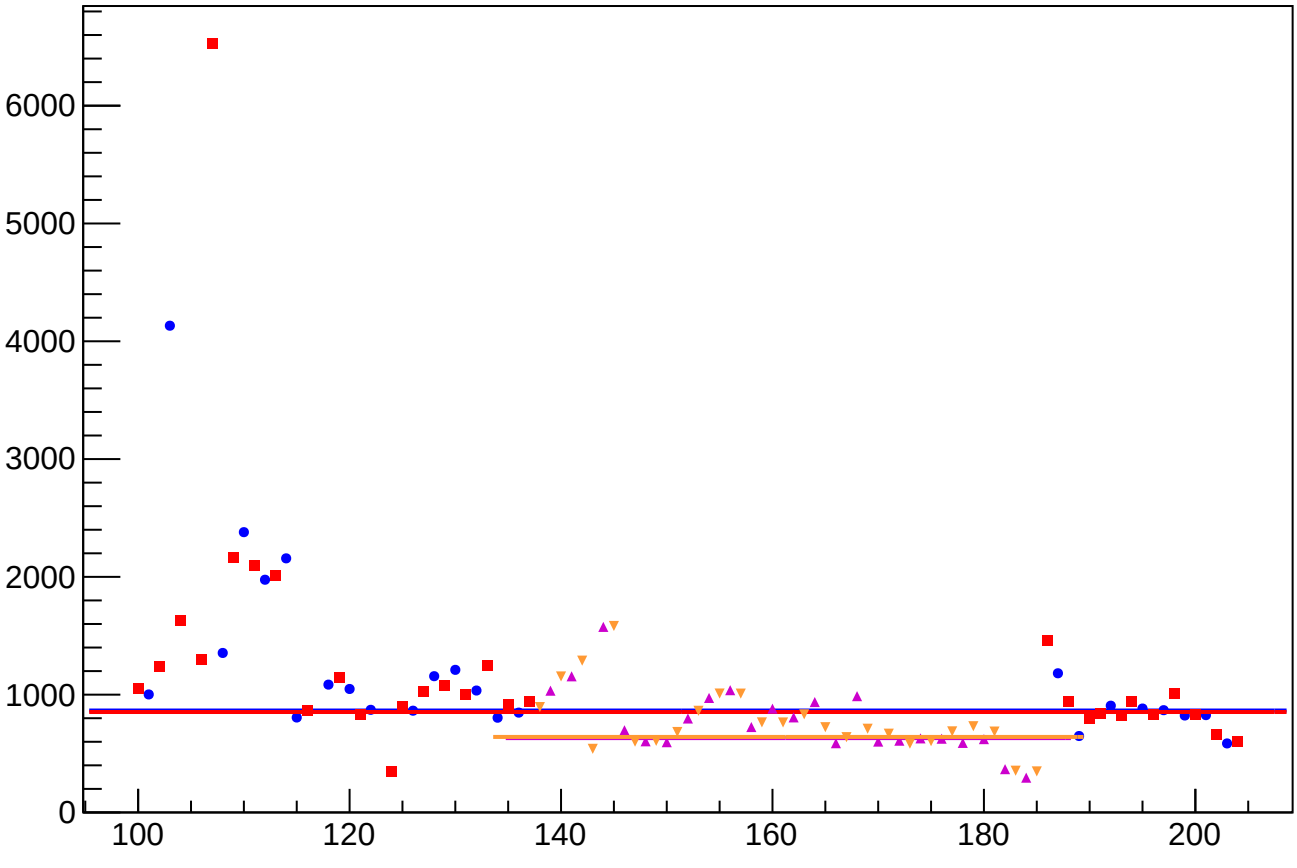
Left: 164.242+/-110.079 χ^2/NDF: 53.9/47

Right: -7.887+/-172.438 χ^2/NDF: 44.6/53

In: 119.400+/-133.652 χ^2/NDF:40.0/46

Out: 109.760+/-128.911 χ^2/NDF:59.2/54

All: 114.406+/-92.785 χ^2/NDF: 99.2/101



Right In: 865.362+/-0.179 χ^2/NDF: 2191100.9/23

Left Out: 641.169+/-0.109 χ^2/NDF:3474589.1/24

Right Out: 852.769+/-0.167 χ^2/NDF: 3143295.0/29

Left In: 631.196+/-0.111 χ^2/NDF:3975563.1/22

Left: 636.291+/-0.078 χ^2/NDF: 7454254.5/47

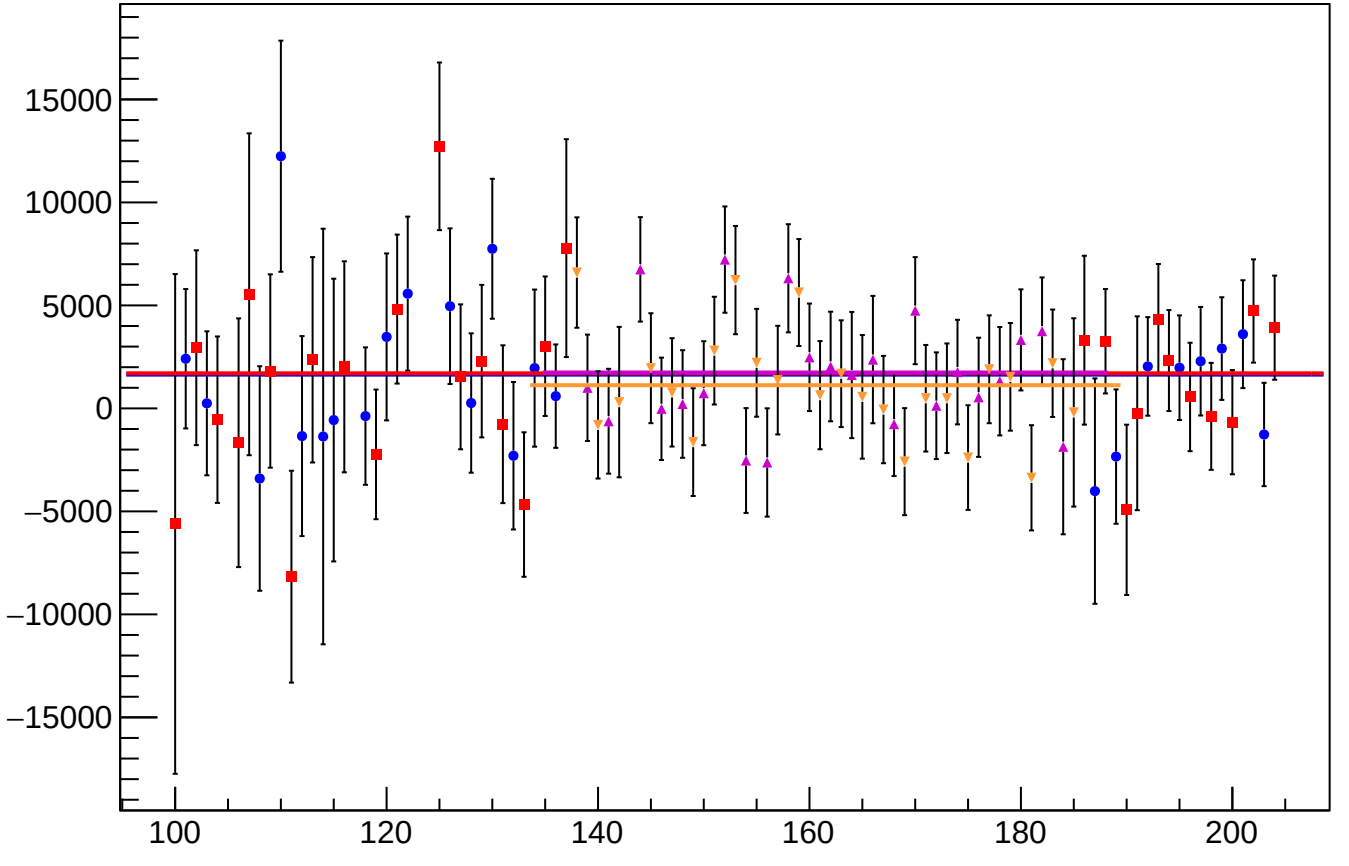
Right: 858.616+/-0.122 χ^2/NDF: 5337048.8/53

In: 696.511+/-0.095 χ^2/NDF:7401463.8/46

Out: 704.520+/-0.091 χ^2/NDF:7748177.9/54

All: 700.660+/-0.066 χ^2/NDF: 15153362.1/10

dit_asym_atl1_mean vs Slug, Sign Corrected



Right In: 1639.854+/-682.495 χ^2/NDF: 17.3/23

Left Out: 1125.562+/-549.834 χ^2/NDF:21.2/23

Right Out: 1703.622+/-649.499 χ^2/NDF: 28.1/28

Left In: 1742.304+/-553.755 χ^2/NDF:23.8/22

Left: 1431.742+/-390.170 χ^2/NDF: 45.6/46

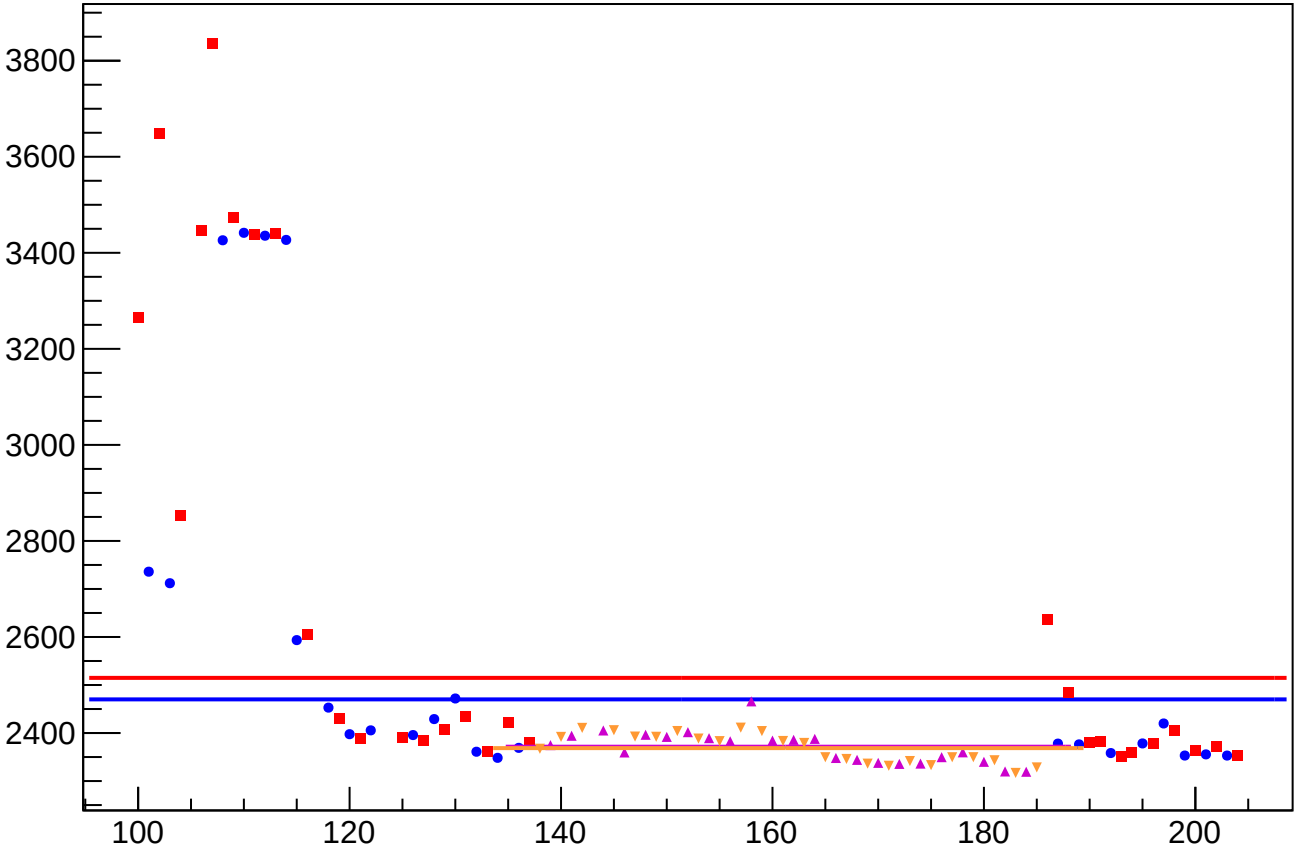
Right: 1673.316+/-470.498 χ^2/NDF: 45.4/52

In: 1701.634+/-430.015 χ^2/NDF:41.0/46

Out: 1366.884+/-419.654 χ^2/NDF:49.8/52

All: 1530.177+/-300.336 χ^2/NDF: 91.1/99

dit_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2470.054+/-0.483 χ^2/NDF: 273183.8/23

Left Out: 2368.569+/-0.389 χ^2/NDF:5571.3/23

Right Out: 2514.845+/-0.459 χ^2/NDF: 528679.0/28

Left In: 2371.518+/-0.392 χ^2/NDF:7053.5/22

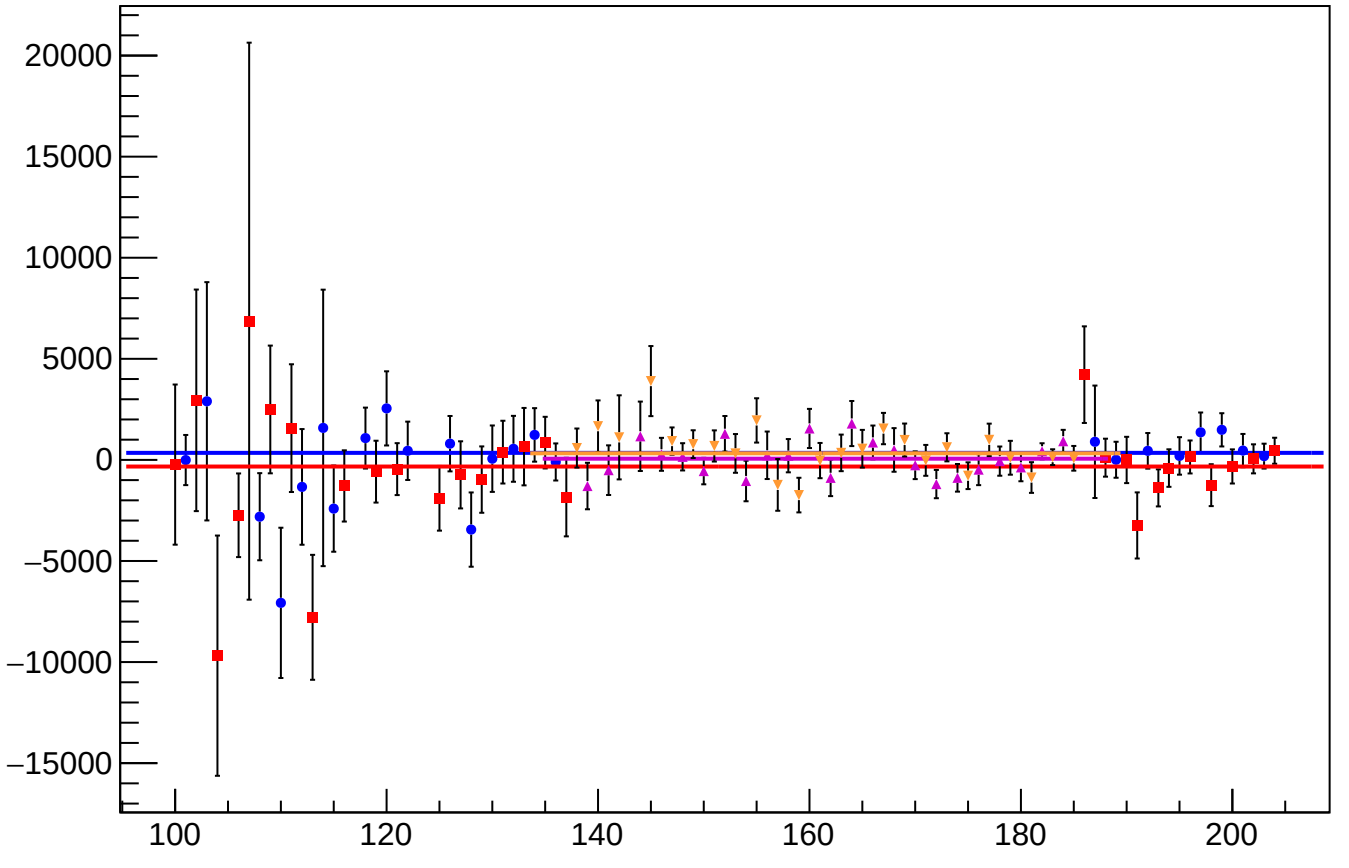
Left: 2370.033+/-0.276 χ^2/NDF: 12653.4/46

Right: 2493.558+/-0.333 χ^2/NDF: 806383.3/52

In: 2410.635+/-0.304 χ^2/NDF:305376.3/46

Out: 2429.635+/-0.297 χ^2/NDF:593343.7/52

All: 2420.366+/-0.212 χ^2/NDF: 900719.9/99



Right In: 348.094+/-247.197 χ^2/NDF: 18.6/23

Left Out: 325.955+/-160.041 χ^2/NDF:26.8/23

Right Out: -328.278+/-237.651 χ^2/NDF: 26.2/28

Left In: 59.619+/-159.669 χ^2/NDF:22.7/22

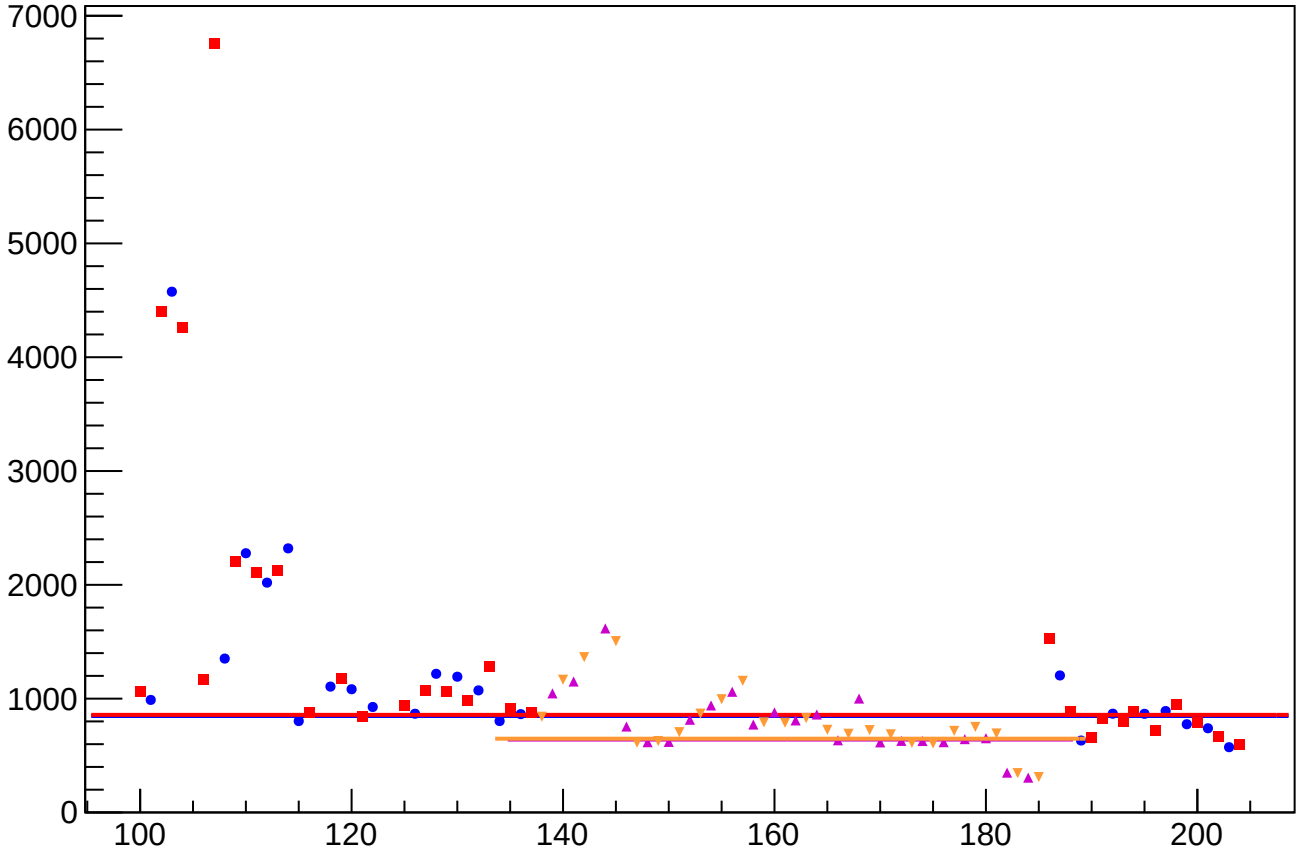
Left: 192.477+/-113.035 χ^2/NDF: 50.9/46

Right: -3.404+/-171.320 χ^2/NDF: 48.7/52

In: 144.543+/-134.123 χ^2/NDF:42.2/46

Out: 121.828+/-132.747 χ^2/NDF:58.2/52

All: 133.068+/-94.349 χ^2/NDF: 100.4/99



Right In: 847.728+/-0.175 χ^2/NDF: 2572801.2/23

Left Out: 648.100+/-0.113 χ^2/NDF:3886991.8/23

Right Out: 857.493+/-0.168 χ^2/NDF: 3982945.1/28

Left In: 640.422+/-0.113 χ^2/NDF:4128760.4/22

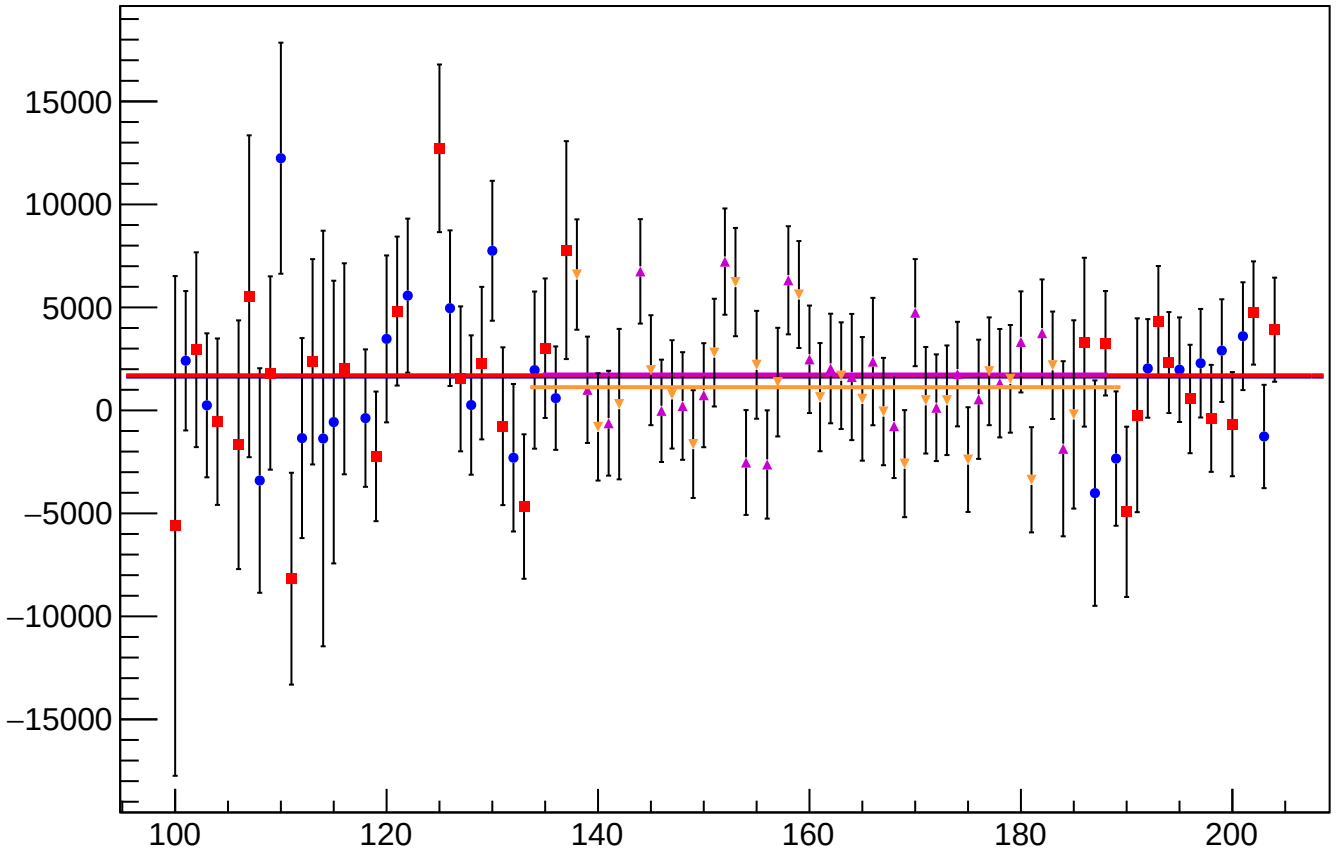
Left: 644.252+/-0.080 χ^2/NDF: 8018059.4/46

Right: 852.803+/-0.121 χ^2/NDF: 6557368.3/52

In: 701.451+/-0.095 χ^2/NDF:7694068.0/46

Out: 713.433+/-0.094 χ^2/NDF:8938151.1/52

All: 707.504+/-0.067 χ^2/NDF: 16640282.9/99



Right In: 1639.852+/-682.495 χ^2/NDF: 17.3/23

Left Out: 1125.562+/-549.834 χ^2/NDF:21.2/23

Right Out: 1703.620+/-649.499 χ^2/NDF: 28.1/28

Left In: 1742.305+/-553.755 χ^2/NDF:23.8/22

Left: 1431.742+/-390.170 χ^2/NDF: 45.6/46

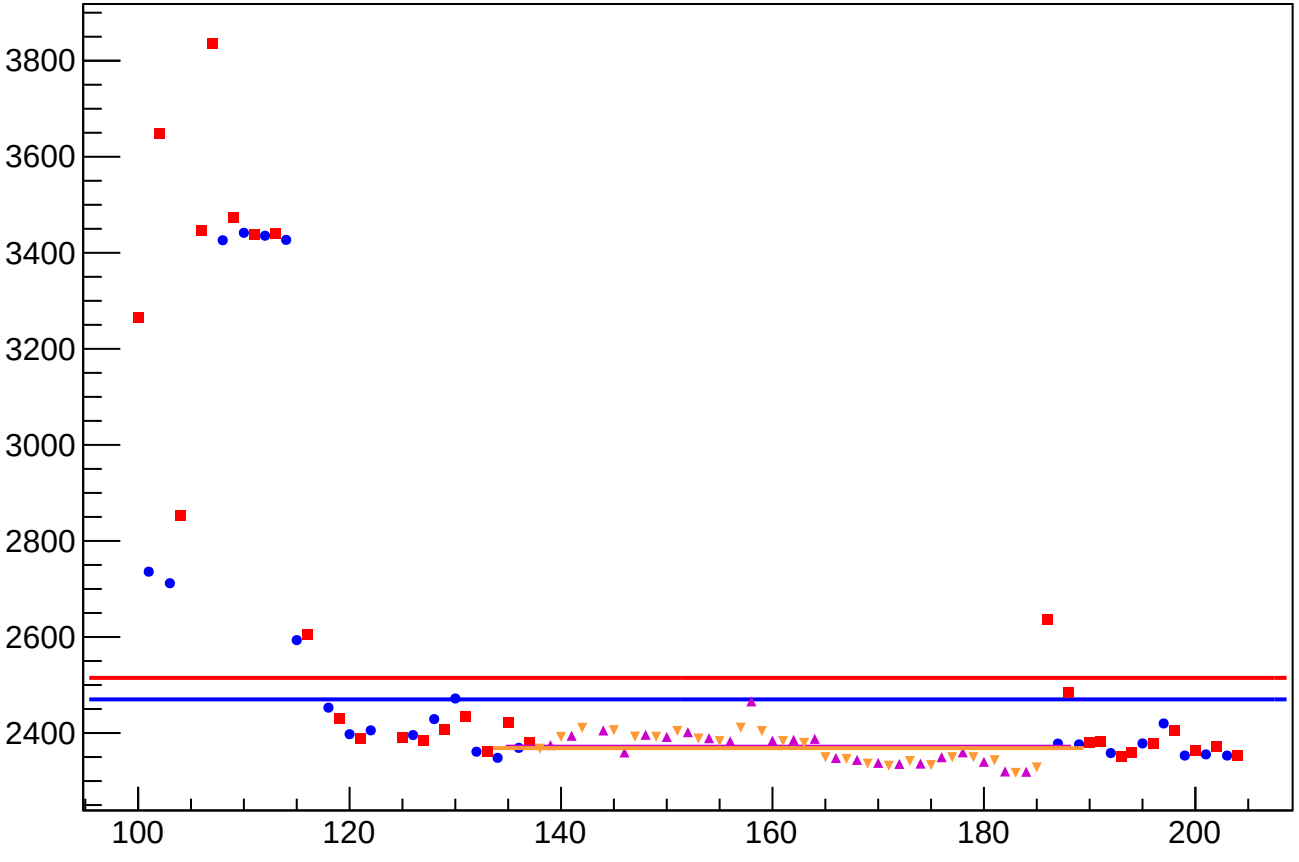
Right: 1673.315+/-470.498 χ^2/NDF: 45.4/52

In: 1701.633+/-430.015 χ^2/NDF:41.0/46

Out: 1366.884+/-419.654 χ^2/NDF:49.8/52

All: 1530.177+/-300.336 χ^2/NDF: 91.1/99

eigen_dit_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2470.053+/-0.483 χ^2/NDF: 273183.4/23

Left Out: 2368.569+/-0.389 χ^2/NDF:5571.3/23

Right Out: 2514.845+/-0.459 χ^2/NDF: 528678.2/28

Left In: 2371.518+/-0.392 χ^2/NDF:7053.5/22

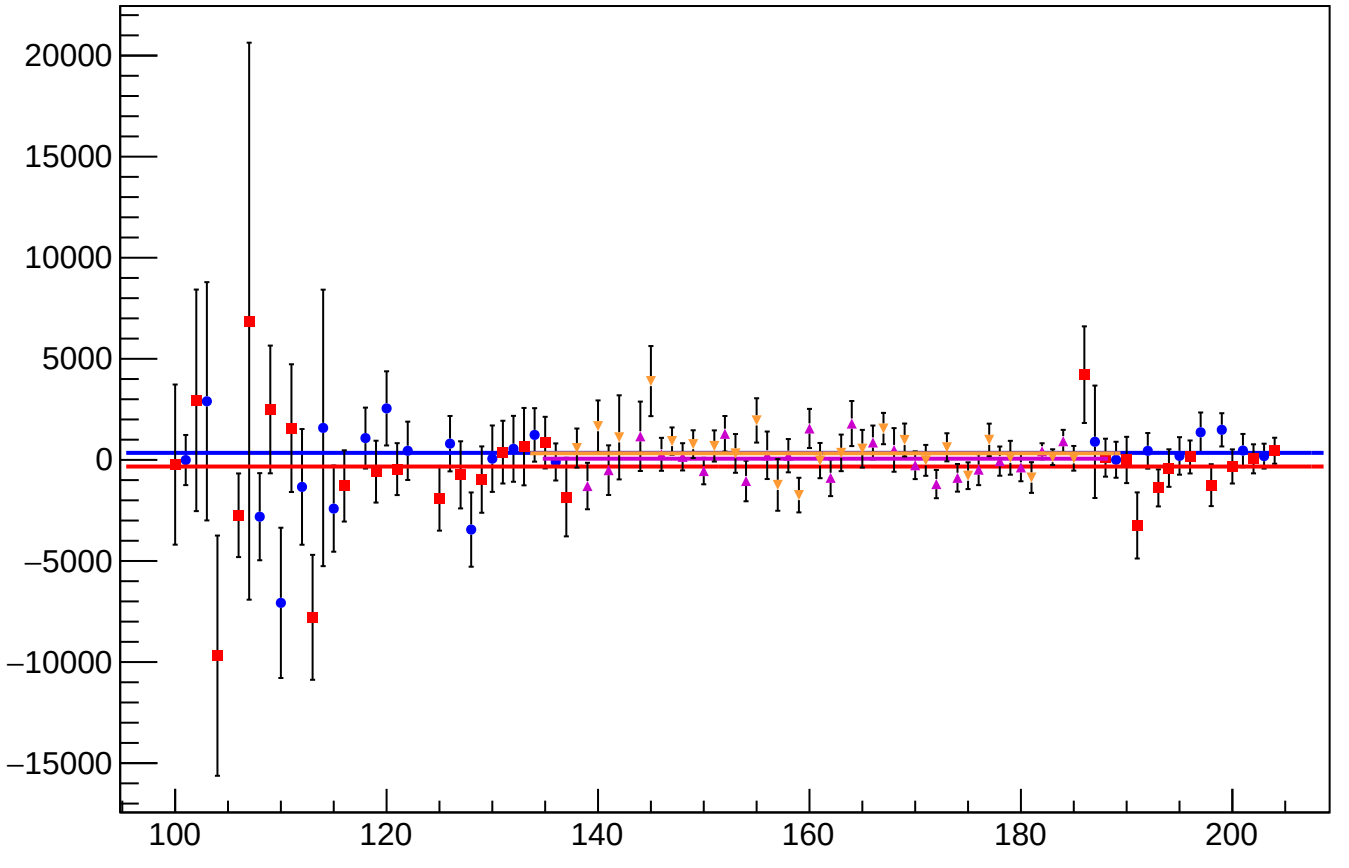
Left: 2370.033+/-0.276 χ^2/NDF: 12653.4/46

Right: 2493.558+/-0.333 χ^2/NDF: 806382.0/52

In: 2410.635+/-0.304 χ^2/NDF:305375.8/46

Out: 2429.635+/-0.297 χ^2/NDF:593342.7/52

All: 2420.366+/-0.212 χ^2/NDF: 900718.4/99



Right In: 348.093+/-247.197 χ^2/NDF: 18.6/23

Left Out: 325.955+/-160.042 χ^2/NDF:26.8/23

Right Out: -328.279+/-237.651 χ^2/NDF: 26.2/28

Left In: 59.619+/-159.670 χ^2/NDF:22.7/22

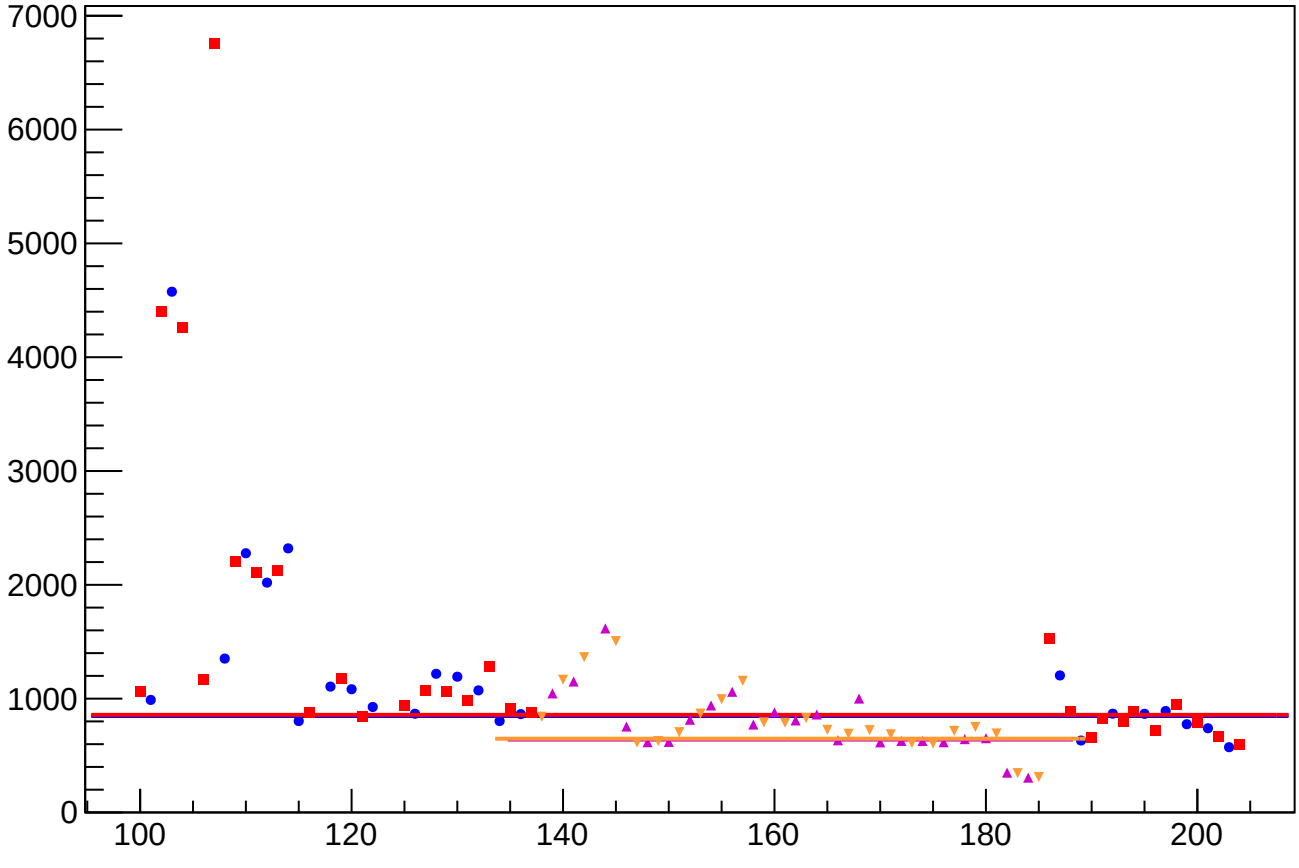
Left: 192.477+/-113.035 χ^2/NDF: 50.9/46

Right: -3.405+/-171.320 χ^2/NDF: 48.7/52

In: 144.543+/-134.123 χ^2/NDF:42.2/46

Out: 121.827+/-132.747 χ^2/NDF:58.2/52

All: 133.068+/-94.349 χ^2/NDF: 100.4/99



Right In: 847.728+/-0.175 χ^2/NDF: 2572799.5/23

Left Out: 648.101+/-0.113 χ^2/NDF:3887001.9/23

Right Out: 857.493+/-0.168 χ^2/NDF: 3982944.7/28

Left In: 640.423+/-0.113 χ^2/NDF:4128774.2/22

Left: 644.253+/-0.080 χ^2/NDF: 8018083.4/46

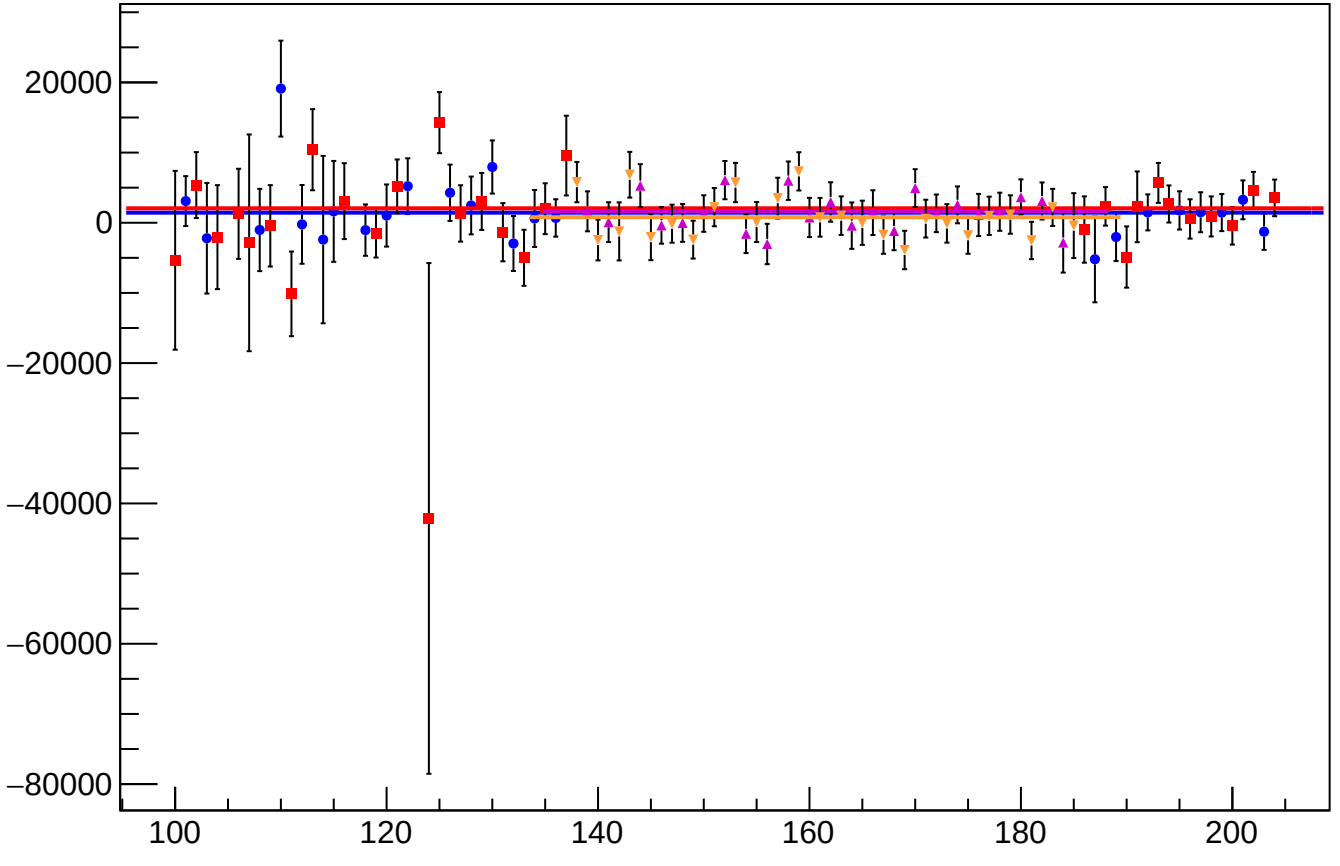
Right: 852.803+/-0.121 χ^2/NDF: 6557366.2/52

In: 701.451+/-0.095 χ^2/NDF:7694070.0/46

Out: 713.434+/-0.094 χ^2/NDF:8938148.8/52

All: 707.504+/-0.067 χ^2/NDF: 16640282.6/99

asym_atl1_mean vs Slug, Sign Corrected



Right In: 1438.022+/-746.590 χ^2/NDF: 17.5/23

Left Out: 791.438+/-573.266 χ^2/NDF:27.1/24

Right Out: 2060.363+/-708.135 χ^2/NDF: 31.6/29

Left In: 1654.626+/-586.767 χ^2/NDF:17.3/22

Left: 1212.987+/-410.050 χ^2/NDF: 45.6/47

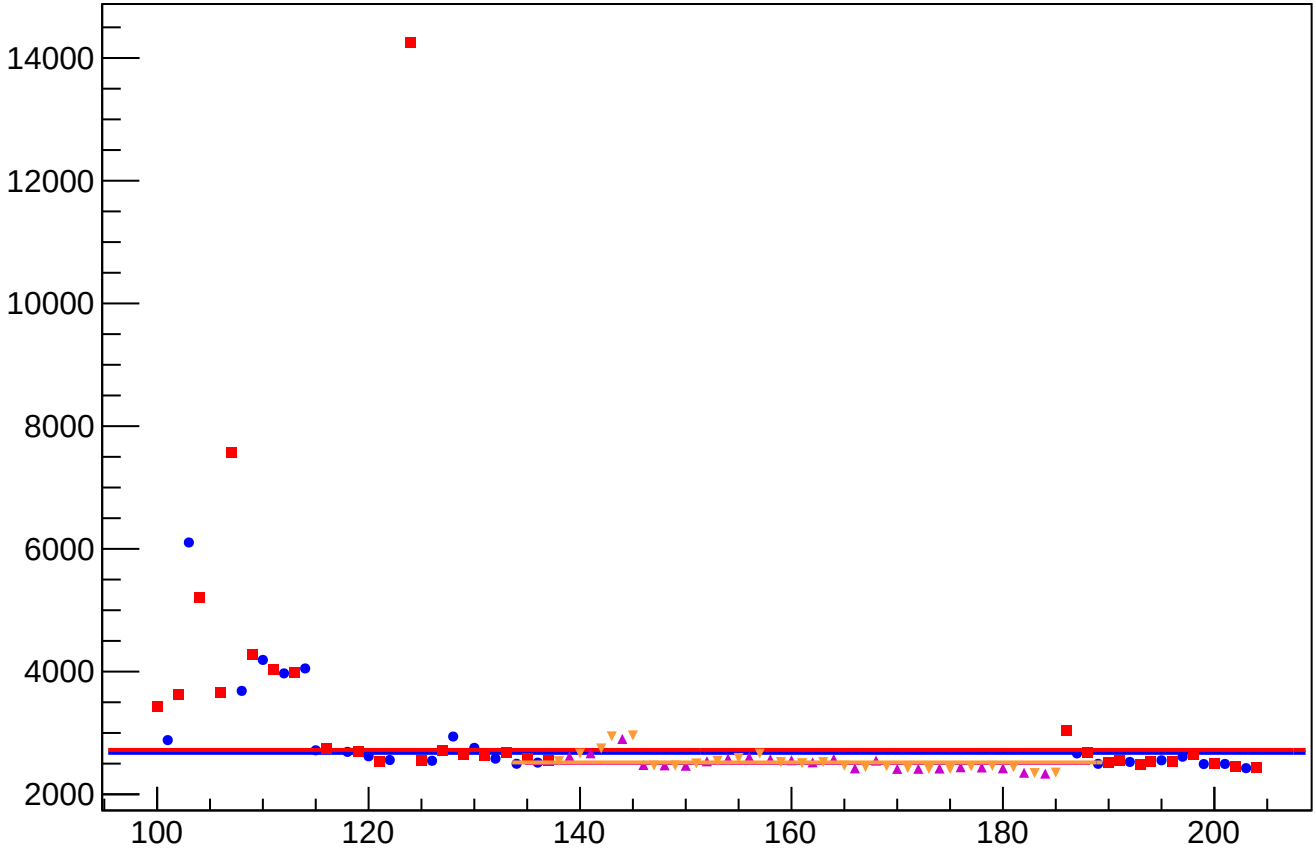
Right: 1765.632+/-513.784 χ^2/NDF: 49.5/53

In: 1571.919+/-461.337 χ^2/NDF:34.9/46

Out: 1293.808+/-445.564 χ^2/NDF:60.7/54

All: 1428.028+/-320.493 χ^2/NDF: 95.7/101

asym_atl1_rms vs Slug, Sign Corrected



Right In: 2676.253+/-0.528 χ^2/NDF: 755376.4/23

Left Out: 2519.516+/-0.405 χ^2/NDF:115204.3/24

Right Out: 2723.214+/-0.501 χ^2/NDF: 1203598.3/29

Left In: 2510.156+/-0.415 χ^2/NDF:73771.4/22

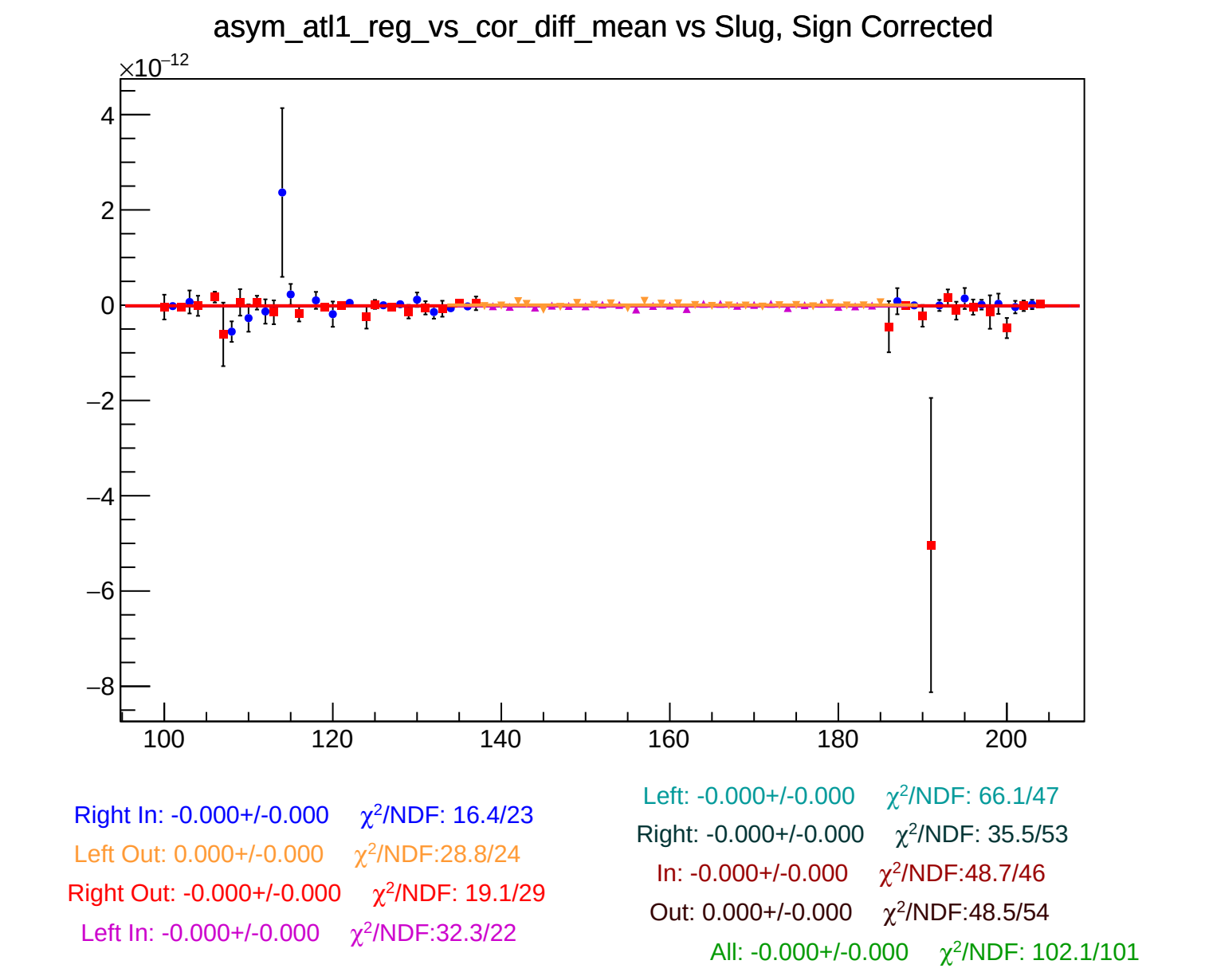
Left: 2514.945+/-0.290 χ^2/NDF: 189236.0/47

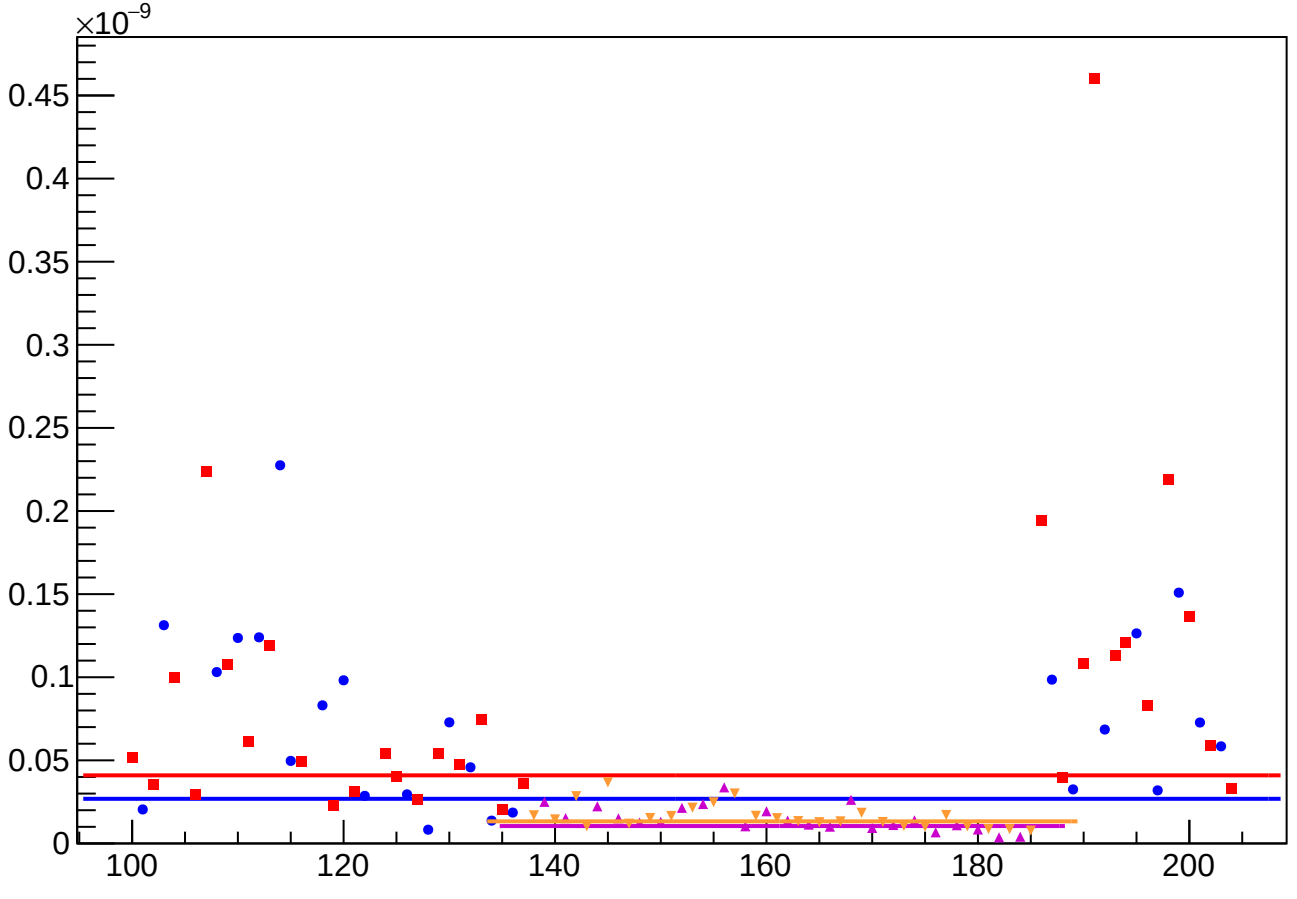
Right: 2700.974+/-0.363 χ^2/NDF: 1963140.1/53

In: 2573.577+/-0.326 χ^2/NDF:890340.3/46

Out: 2600.160+/-0.315 χ^2/NDF:1418774.8/54

All: 2587.331+/-0.227 χ^2/NDF: 2312550.7/10


asym_atl1_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
4
2
0
−2
−4
−6
−8
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 16.4/23
Left Out: 0.000+/-0.000 χ²/NDF:28.8/24
Right Out: -0.000+/-0.000 χ²/NDF: 19.1/29
Left In: -0.000+/-0.000 χ²/NDF:32.3/22
Left: -0.000+/-0.000 χ²/NDF: 66.1/47
Right: -0.000+/-0.000 χ²/NDF: 35.5/53
In: -0.000+/-0.000 χ²/NDF:48.7/46
Out: 0.000+/-0.000 χ²/NDF:48.5/54
All: -0.000+/-0.000 χ²/NDF: 102.1/101



Right In: 0.000+/-0.000 χ^2/NDF: 4443576.1/23

Left Out: 0.000+/-0.000 χ^2/NDF:1472019.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3588343.8/29

Left In: 0.000+/-0.000 χ^2/NDF:2813965.8/22

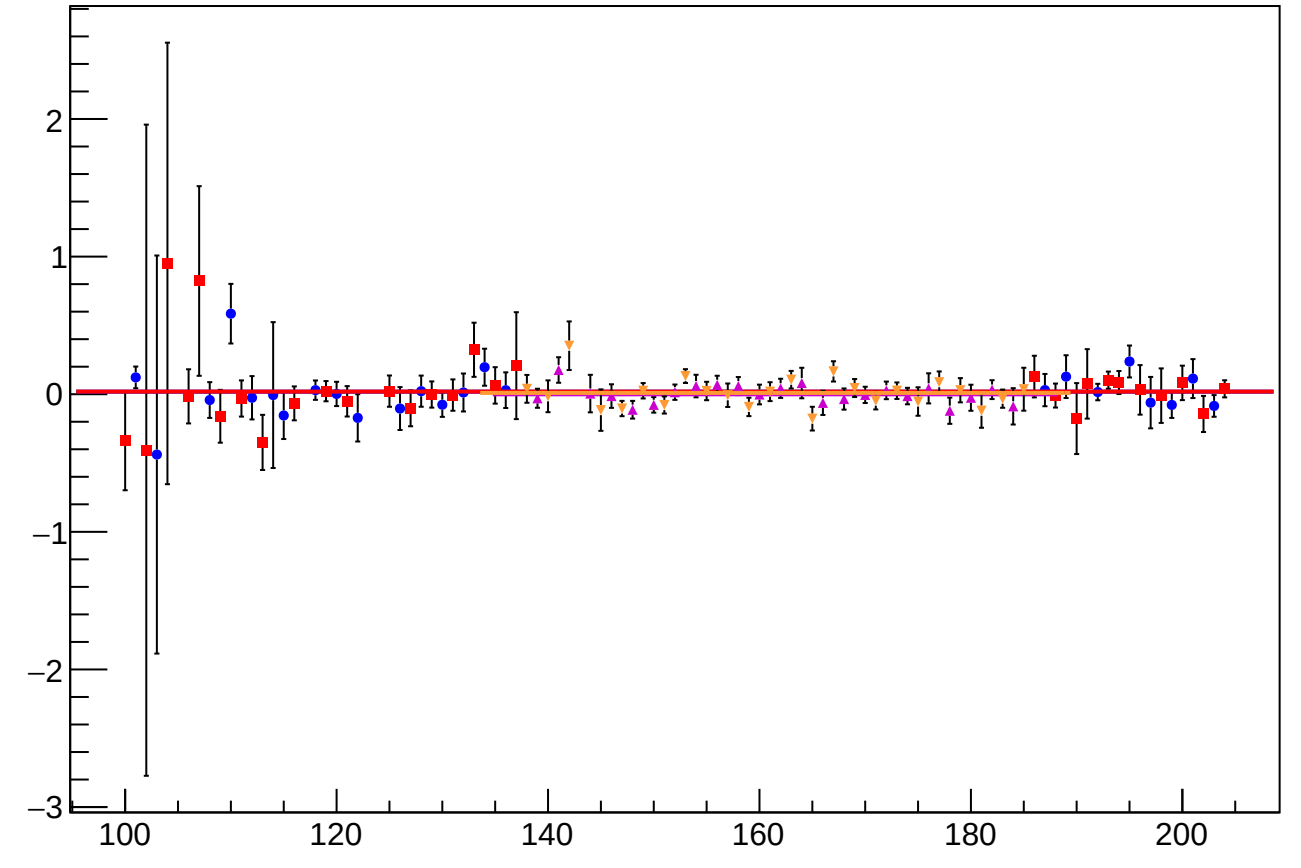
Left: 0.000+/-0.000 χ^2/NDF: 4603369.9/47

Right: 0.000+/-0.000 χ^2/NDF: 8635677.1/53

In: 0.000+/-0.000 χ^2/NDF:9216352.9/46

Out: 0.000+/-0.000 χ^2/NDF:8570312.6/54

All: 0.000+/-0.000 χ^2/NDF: 18225973.7/101



Right In: 0.019+/-0.023 χ^2/NDF: 22.3/23

Left Out: 0.009+/-0.015 χ^2/NDF:34.7/23

Right Out: 0.019+/-0.023 χ^2/NDF: 17.4/28

Left In: -0.001+/-0.015 χ^2/NDF:15.6/22

Left: 0.004+/-0.011 χ^2/NDF: 50.5/46

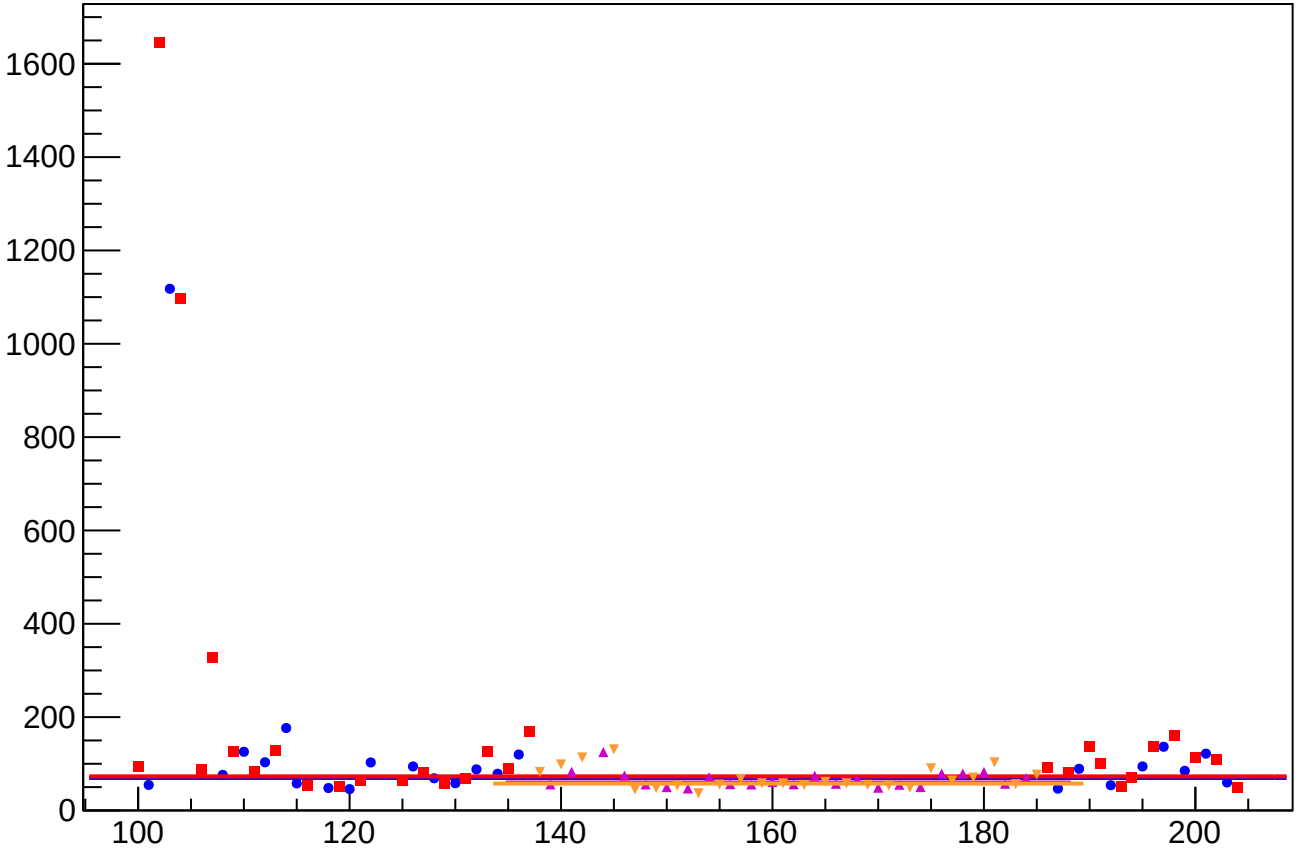
Right: 0.019+/-0.016 χ^2/NDF: 39.7/52

In: 0.005+/-0.013 χ^2/NDF:38.4/46

Out: 0.012+/-0.013 χ^2/NDF:52.2/52

All: 0.009+/-0.009 χ^2/NDF: 90.7/99

asym_atl1_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 69.634+/-0.016 χ^2/NDF: 3223845.3/23

Left Out: 57.606+/-0.011 χ^2/NDF:2213142.2/23

Right Out: 73.045+/-0.016 χ^2/NDF: 4664608.7/28

Left In: 59.828+/-0.011 χ^2/NDF:1340700.1/22

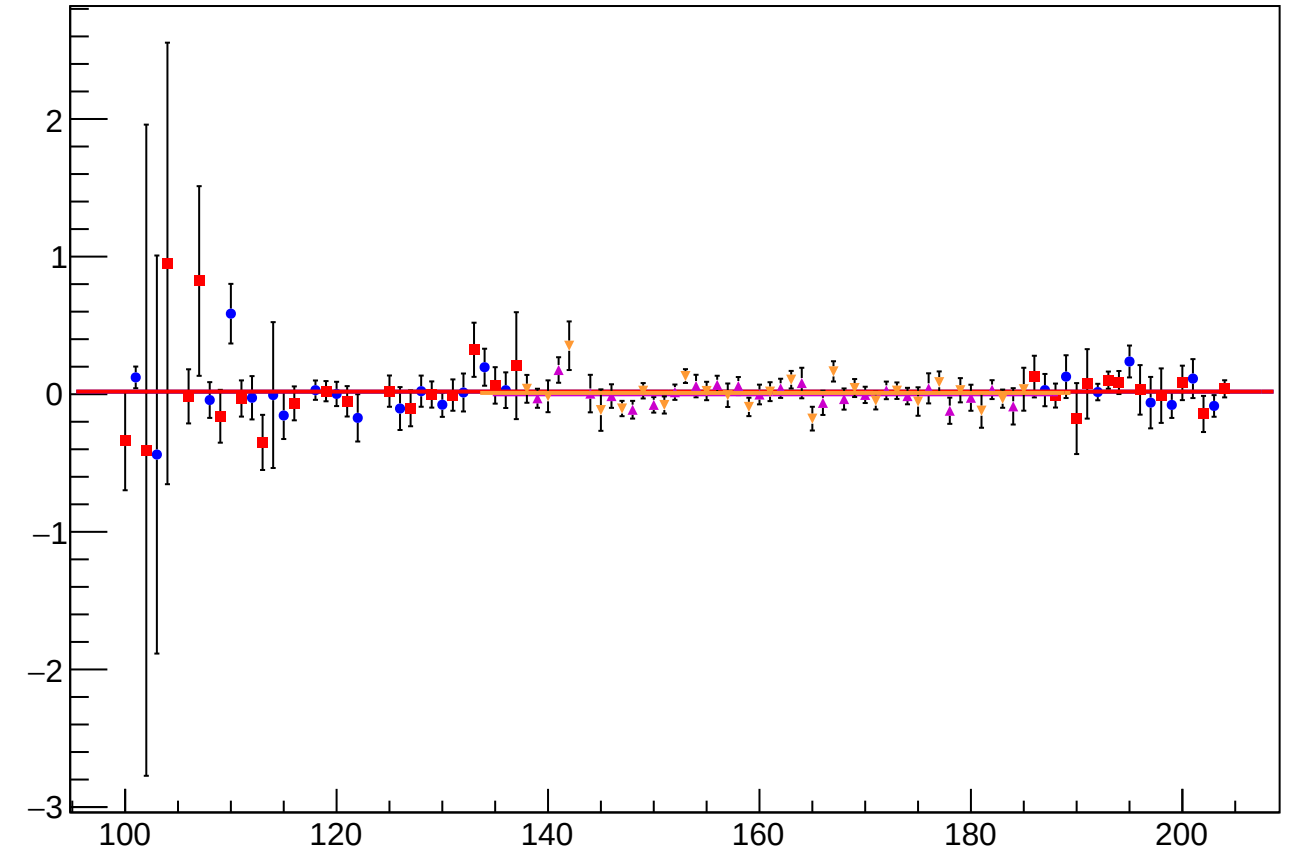
Left: 58.689+/-0.008 χ^2/NDF: 3574922.2/46

Right: 71.346+/-0.011 χ^2/NDF: 7910868.8/52

In: 62.921+/-0.009 χ^2/NDF:4817305.8/46

Out: 62.334+/-0.009 χ^2/NDF:7517453.6/52

All: 62.622+/-0.006 χ^2/NDF: 12336895.7/99



Right In: 0.019+/-0.023 χ^2/NDF: 22.3/23

Left Out: 0.009+/-0.015 χ^2/NDF:34.7/23

Right Out: 0.019+/-0.023 χ^2/NDF: 17.4/28

Left In: -0.001+/-0.015 χ^2/NDF:15.6/22

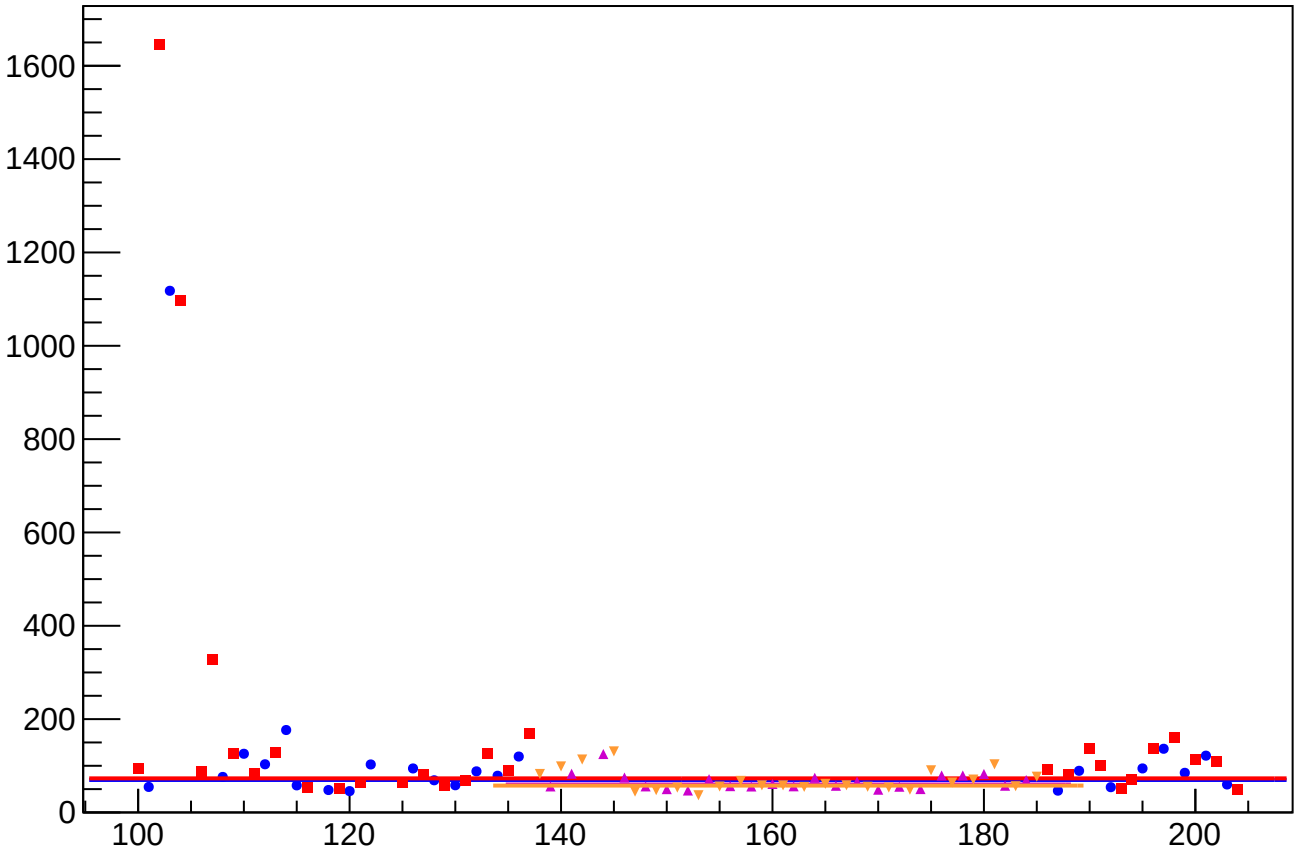
Left: 0.004+/-0.011 χ^2/NDF: 50.5/46

Right: 0.019+/-0.016 χ^2/NDF: 39.7/52

In: 0.005+/-0.013 χ^2/NDF:38.4/46

Out: 0.012+/-0.013 χ^2/NDF:52.2/52

All: 0.009+/-0.009 χ^2/NDF: 90.7/99



Right In: 69.634+/-0.016 χ^2/NDF: 3223845.3/23

Left Out: 57.606+/-0.011 χ^2/NDF:2213142.2/23

Right Out: 73.045+/-0.016 χ^2/NDF: 4664608.7/28

Left In: 59.828+/-0.011 χ^2/NDF:1340700.1/22

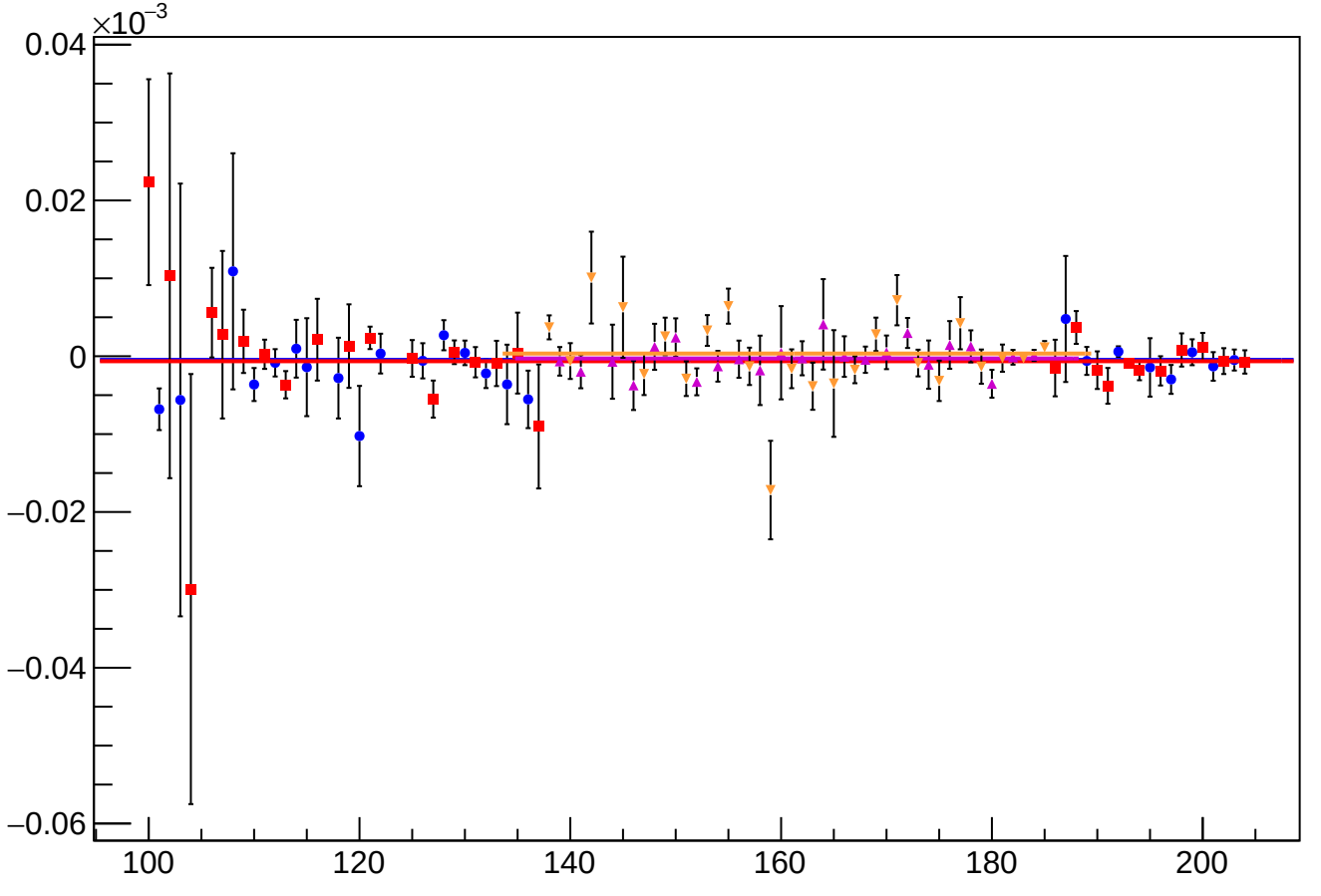
Left: 58.689+/-0.008 χ^2/NDF: 3574922.2/46

Right: 71.346+/-0.011 χ^2/NDF: 7910868.8/52

In: 62.921+/-0.009 χ^2/NDF:4817305.8/46

Out: 62.334+/-0.009 χ^2/NDF:7517453.6/52

All: 62.622+/-0.006 χ^2/NDF: 12336895.7/99



Right In: -0.000+/-0.000 χ^2/NDF: 22.7/23

Left Out: 0.000+/-0.000 χ^2/NDF:46.8/23

Right Out: -0.000+/-0.000 χ^2/NDF: 29.4/28

Left In: -0.000+/-0.000 χ^2/NDF:14.9/22

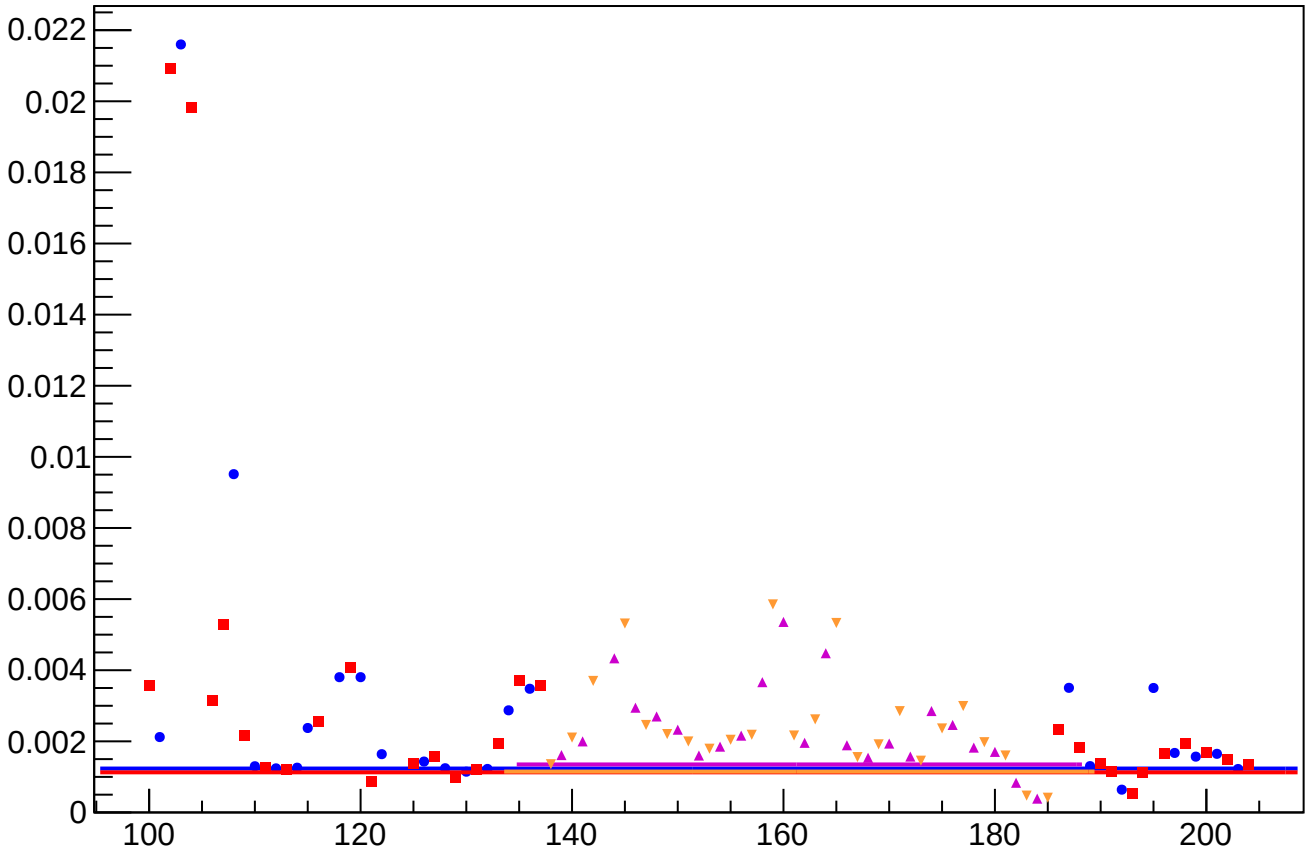
Left: 0.000+/-0.000 χ^2/NDF: 63.2/46

Right: -0.000+/-0.000 χ^2/NDF: 52.1/52

In: -0.000+/-0.000 χ^2/NDF:37.7/46

Out: -0.000+/-0.000 χ^2/NDF:80.2/52

All: -0.000+/-0.000 χ^2/NDF: 118.3/99



Right In: 0.001+/-0.000 χ^2/NDF: 6470696.3/23

Left Out: 0.001+/-0.000 χ^2/NDF:13242273.9/23

Right Out: 0.001+/-0.000 χ^2/NDF: 7823628.8/28

Left In: 0.001+/-0.000 χ^2/NDF:10247159.8/22

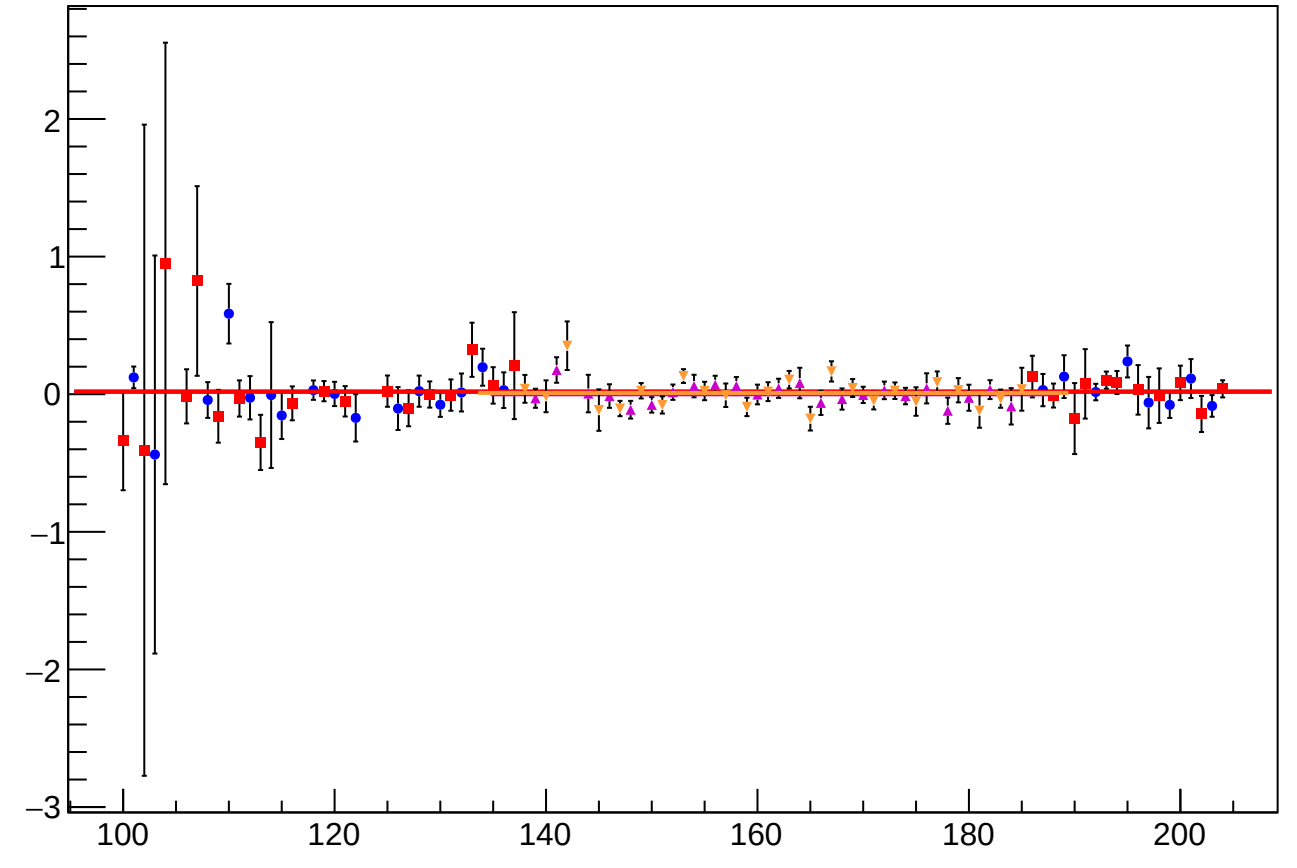
Left: 0.001+/-0.000 χ^2/NDF: 23793610.5/46

Right: 0.001+/-0.000 χ^2/NDF: 14375736.0/52

In: 0.001+/-0.000 χ^2/NDF:16804962.6/46

Out: 0.001+/-0.000 χ^2/NDF:21070029.5/52

All: 0.001+/-0.000 χ^2/NDF: 38231652.3/99



Right In: 0.019+/-0.023 χ^2/NDF: 22.3/23

Left Out: 0.009+/-0.015 χ^2/NDF:34.7/23

Right Out: 0.019+/-0.023 χ^2/NDF: 17.4/28

Left In: -0.001+/-0.015 χ^2/NDF:15.6/22

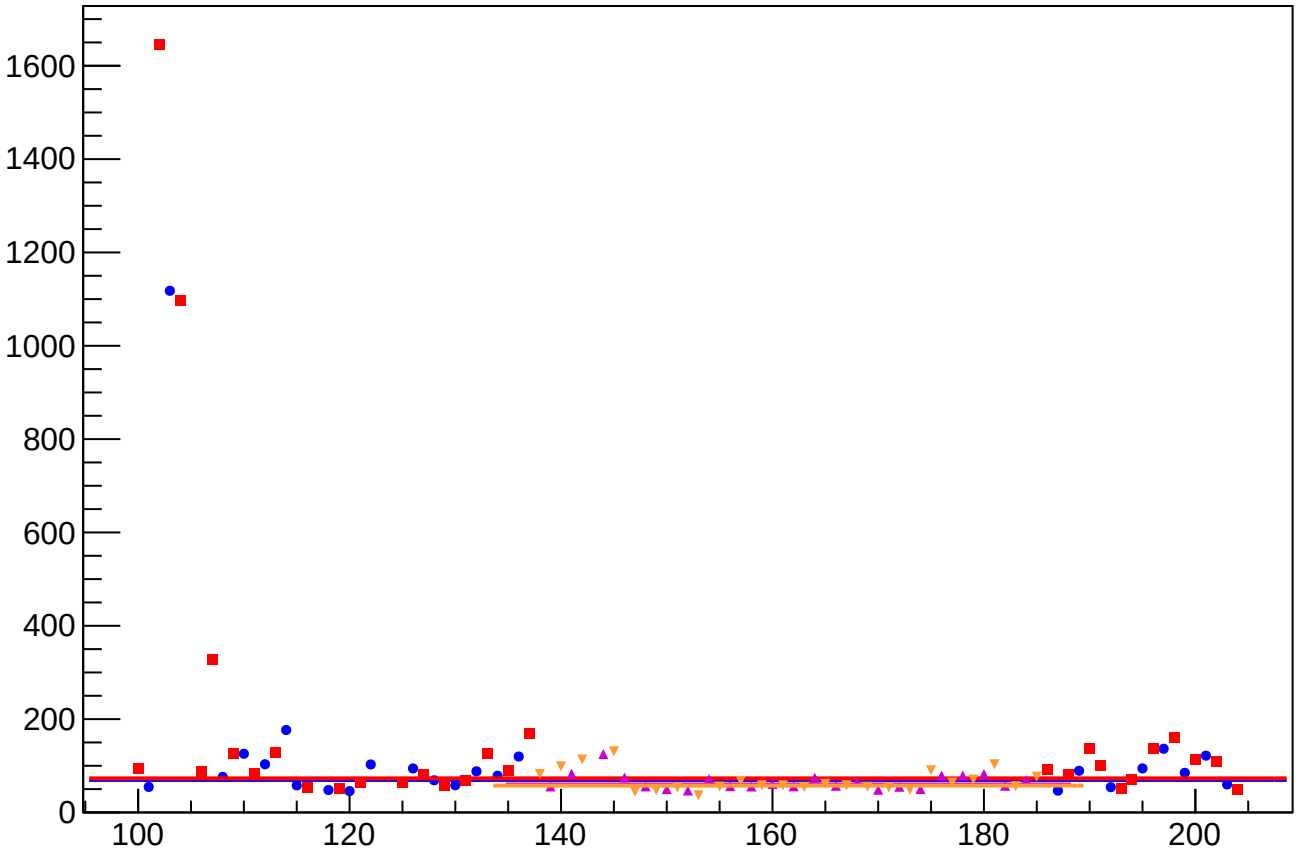
Left: 0.004+/-0.011 χ^2/NDF: 50.5/46

Right: 0.019+/-0.016 χ^2/NDF: 39.7/52

In: 0.005+/-0.013 χ^2/NDF:38.4/46

Out: 0.012+/-0.013 χ^2/NDF:52.2/52

All: 0.009+/-0.009 χ^2/NDF: 90.7/99



Right In: 69.633+/-0.016 χ^2/NDF: 3223969.3/23

Left Out: 57.606+/-0.011 χ^2/NDF:2213216.3/23

Right Out: 73.044+/-0.016 χ^2/NDF: 4664649.9/28

Left In: 59.828+/-0.011 χ^2/NDF:1340684.6/22

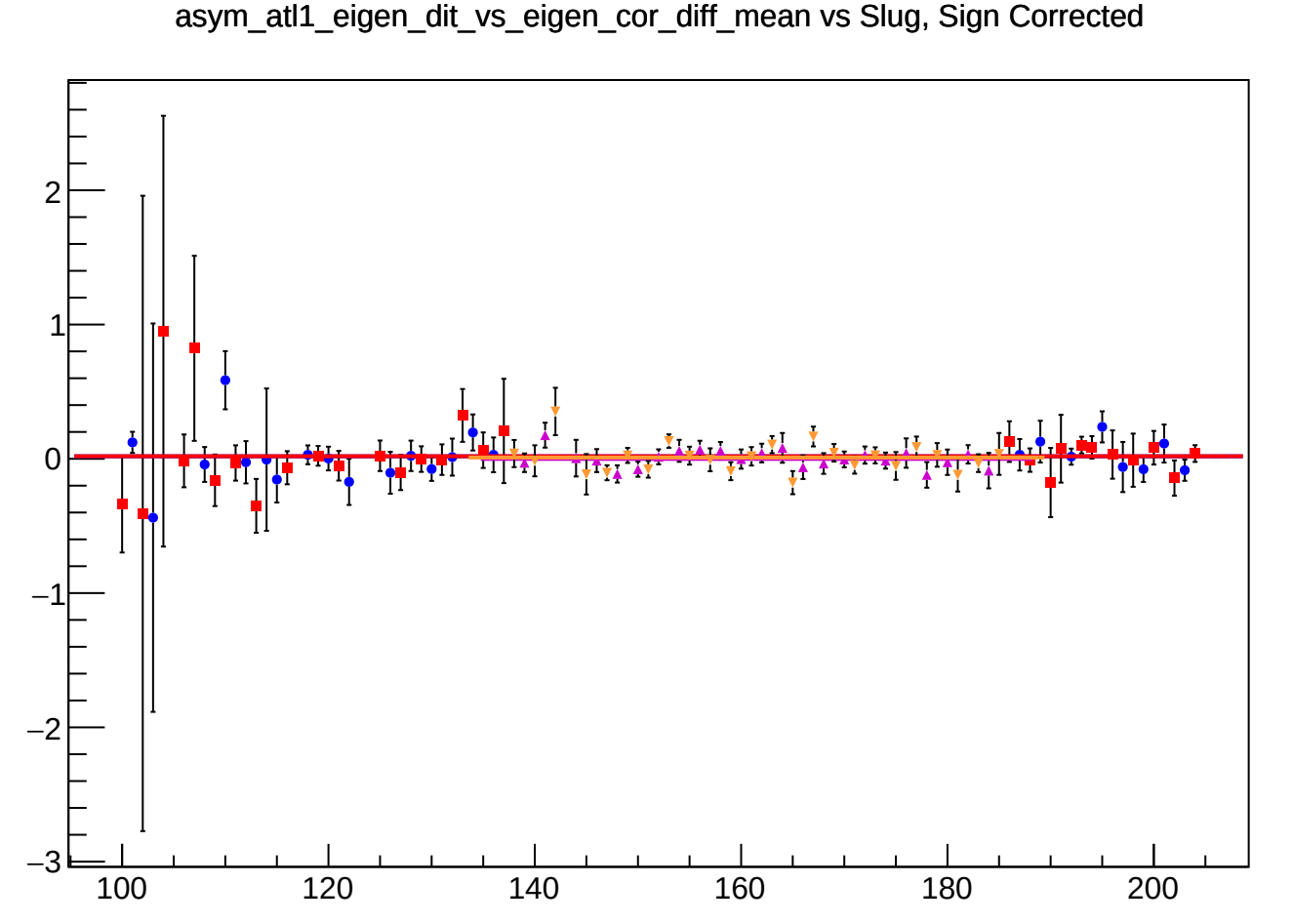
Left: 58.689+/-0.008 χ^2/NDF: 3574984.0/46

Right: 71.345+/-0.011 χ^2/NDF: 7911036.8/52

In: 62.921+/-0.009 χ^2/NDF:4817372.0/46

Out: 62.334+/-0.009 χ^2/NDF:7517531.7/52

All: 62.622+/-0.006 χ^2/NDF: 12337040.3/99



Right In: 0.019+/-0.023 χ^2/NDF: 22.3/23

Left Out: 0.009+/-0.015 χ^2/NDF:34.7/23

Right Out: 0.019+/-0.023 χ^2/NDF: 17.4/28

Left In: -0.001+/-0.015 χ^2/NDF:15.6/22

Left: 0.004+/-0.011 χ^2/NDF: 50.5/46

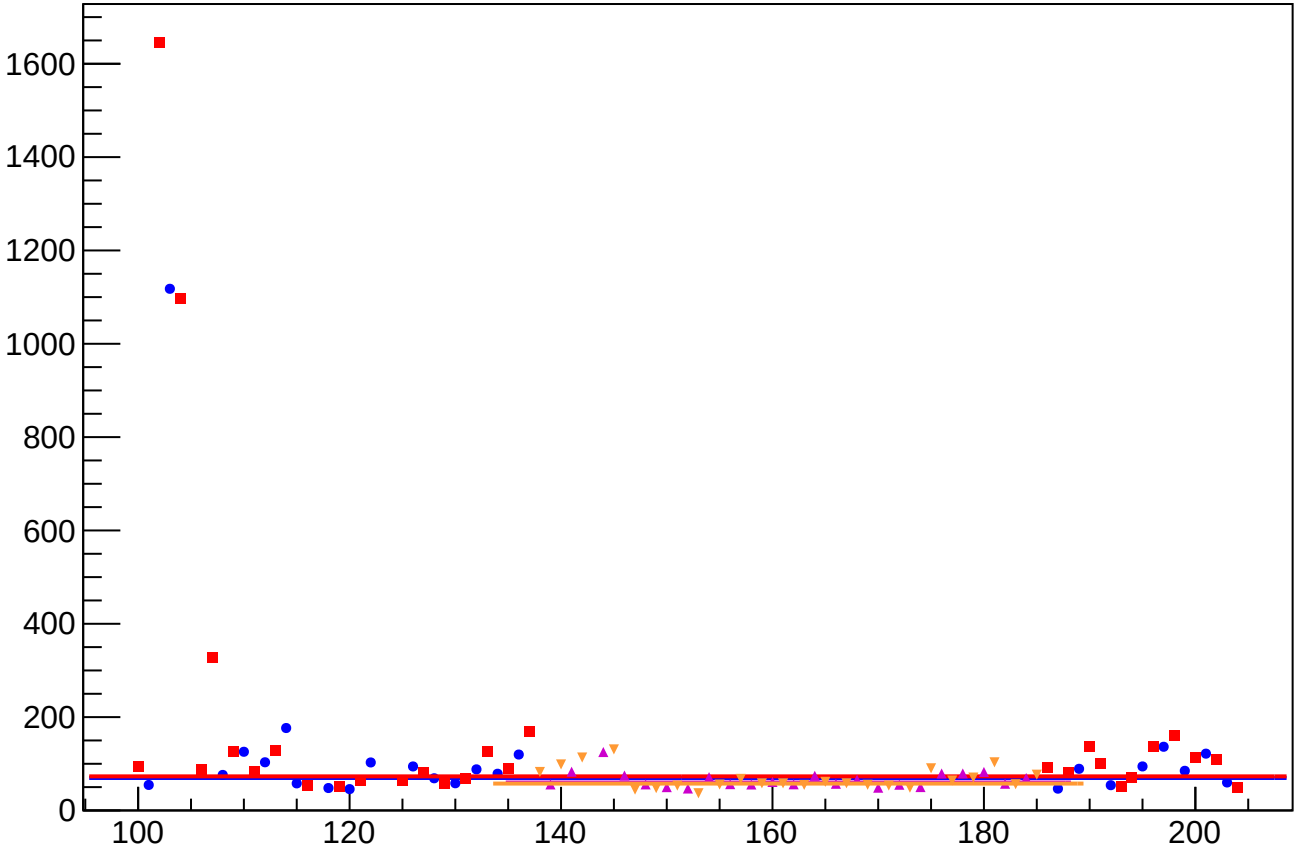
Right: 0.019+/-0.016 χ^2/NDF: 39.7/52

In: 0.005+/-0.013 χ^2/NDF:38.4/46

Out: 0.012+/-0.013 χ^2/NDF:52.2/52

All: 0.009+/-0.009 χ^2/NDF: 90.7/99

asym_atl1_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 69.633+/-0.016 χ^2/NDF: 3223969.3/23

Left Out: 57.606+/-0.011 χ^2/NDF:2213216.3/23

Right Out: 73.044+/-0.016 χ^2/NDF: 4664649.9/28

Left In: 59.828+/-0.011 χ^2/NDF:1340684.6/22

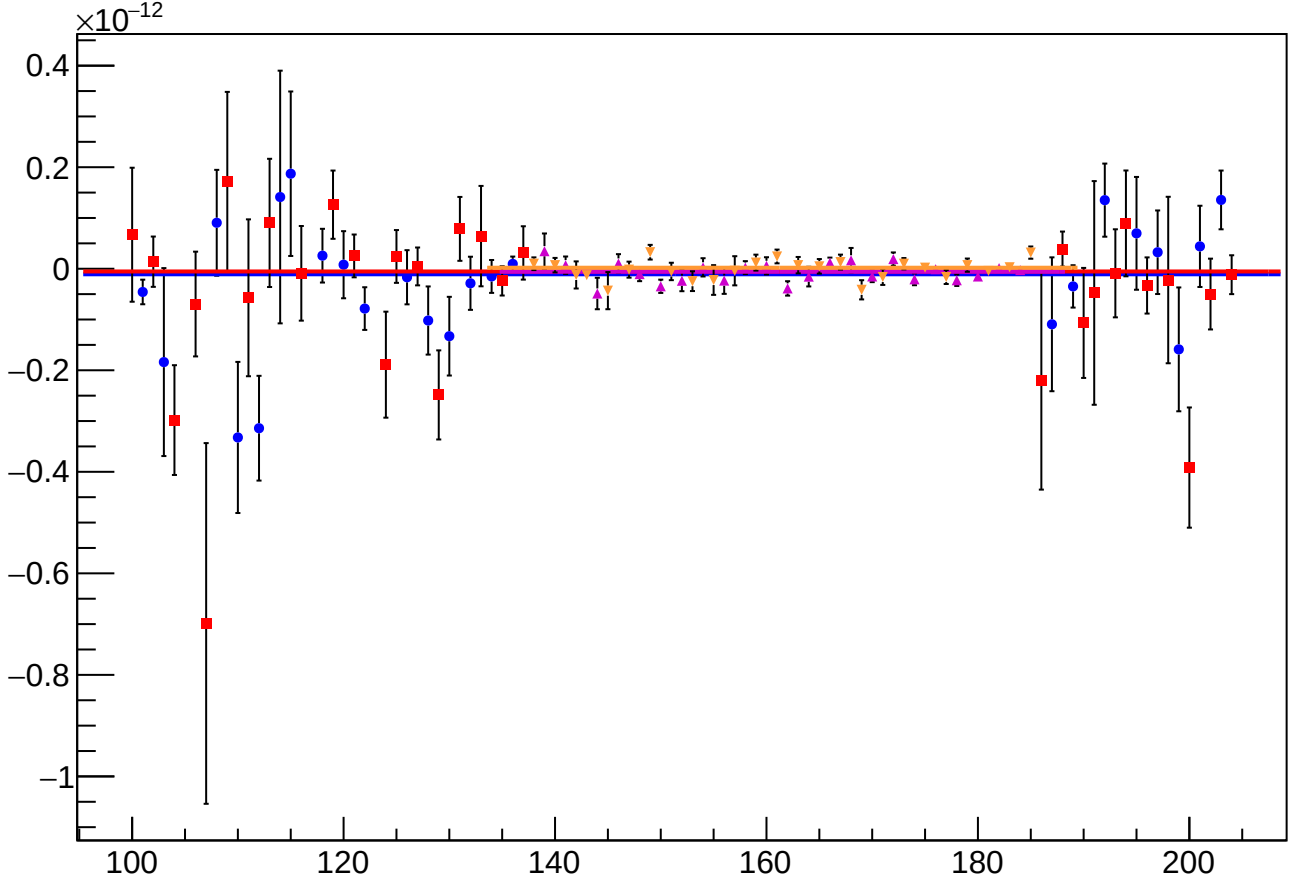
Left: 58.689+/-0.008 χ^2/NDF: 3574984.0/46

Right: 71.345+/-0.011 χ^2/NDF: 7911036.8/52

In: 62.921+/-0.009 χ^2/NDF:4817372.0/46

Out: 62.334+/-0.009 χ^2/NDF:7517531.7/52

All: 62.622+/-0.006 χ^2/NDF: 12337040.3/99



Right In: -0.000+/-0.000 χ^2/NDF: 42.8/23

Left Out: 0.000+/-0.000 χ^2/NDF:31.9/24

Right Out: -0.000+/-0.000 χ^2/NDF: 48.1/29

Left In: -0.000+/-0.000 χ^2/NDF:32.6/22

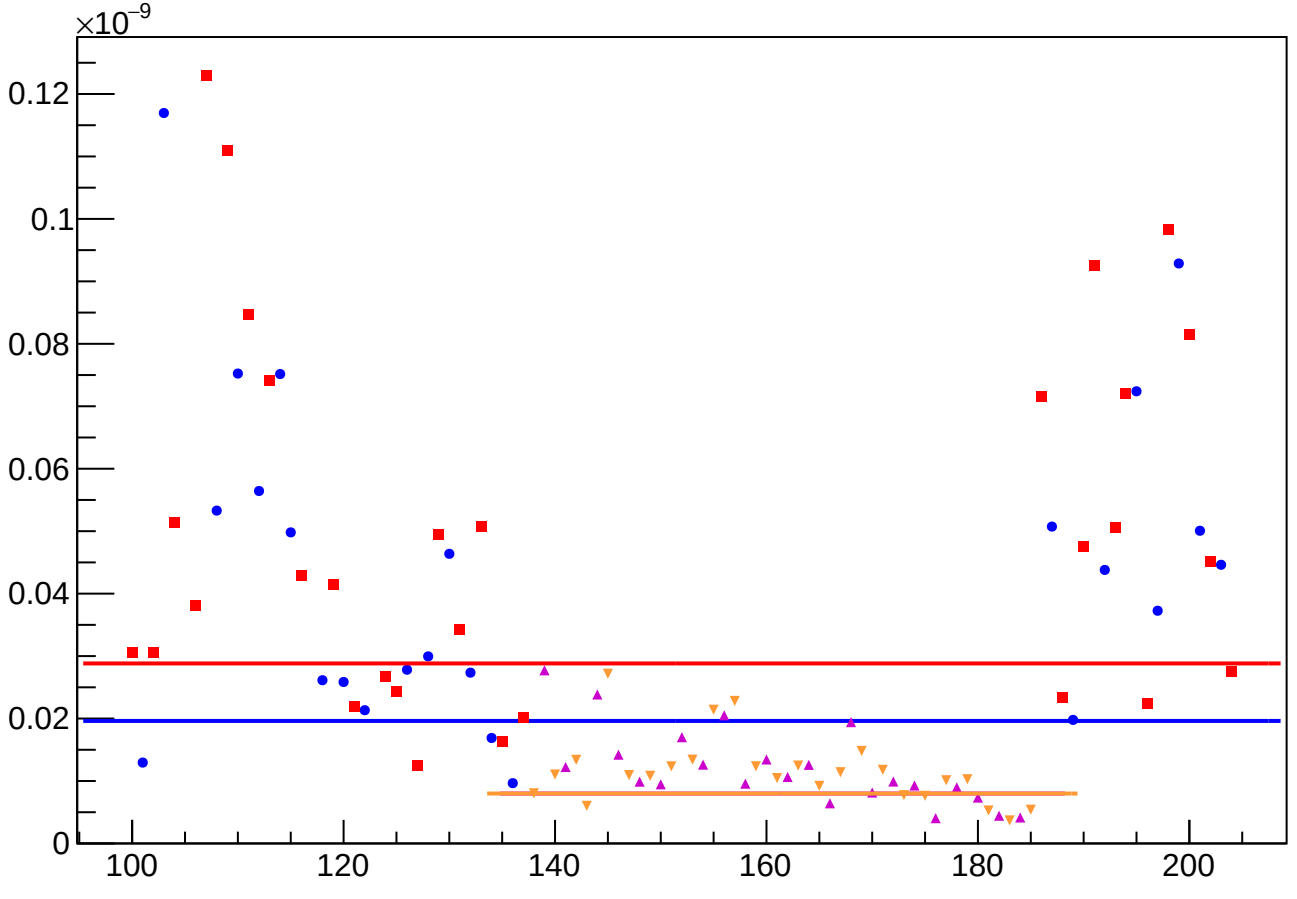
Left: -0.000+/-0.000 χ^2/NDF: 69.4/47

Right: -0.000+/-0.000 χ^2/NDF: 91.0/53

In: -0.000+/-0.000 χ^2/NDF:75.7/46

Out: 0.000+/-0.000 χ^2/NDF:80.3/54

All: -0.000+/-0.000 χ^2/NDF: 161.3/101



Right In: 0.000+/-0.000 χ^2/NDF: 5274730.3/23

Left Out: 0.000+/-0.000 χ^2/NDF:4887759.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4133790.2/29

Left In: 0.000+/-0.000 χ^2/NDF:5188583.5/22

Left: 0.000+/-0.000 χ^2/NDF: 10076343.4/47

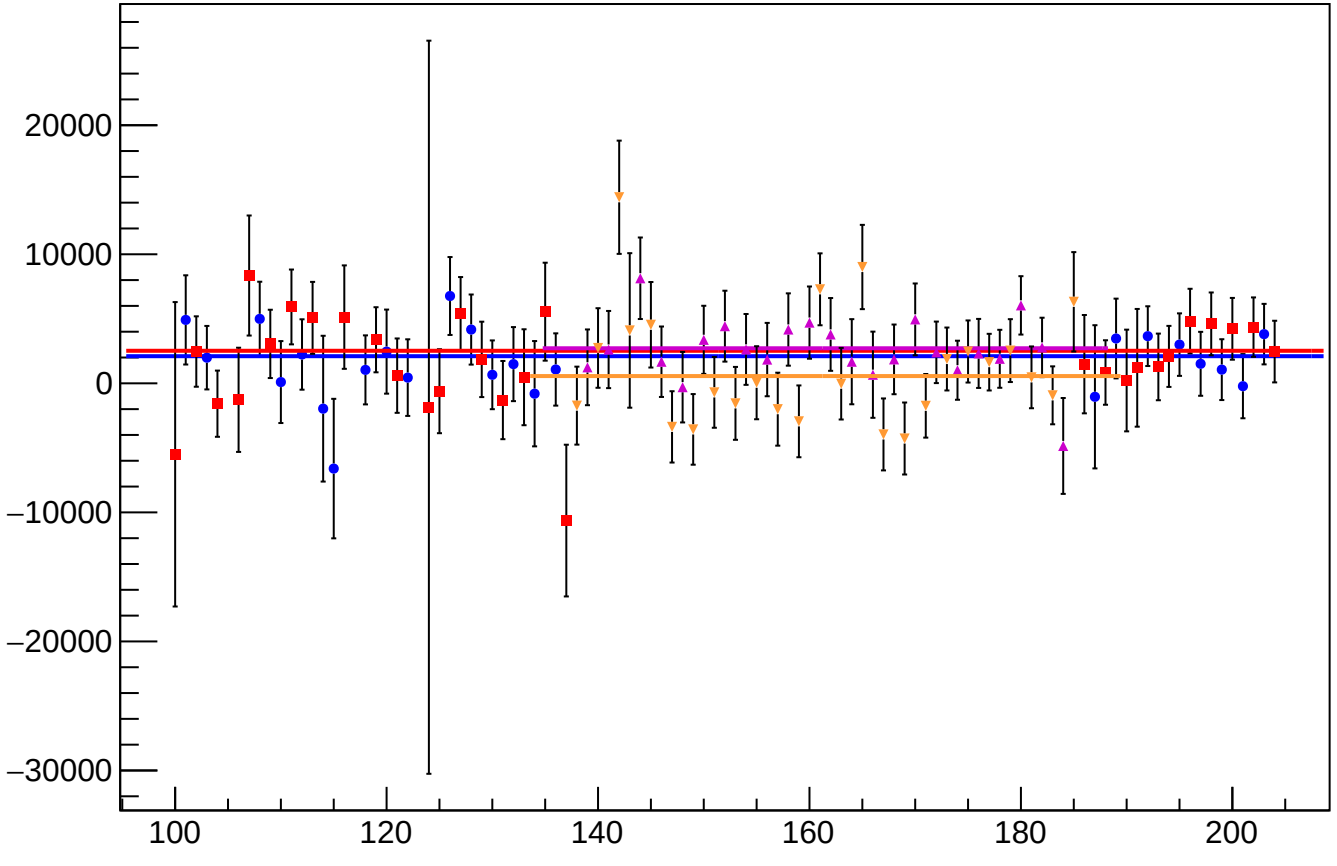
Right: 0.000+/-0.000 χ^2/NDF: 10176680.5/53

In: 0.000+/-0.000 χ^2/NDF:13380846.0/46

Out: 0.000+/-0.000 χ^2/NDF:15197355.1/54

All: 0.000+/-0.000 χ^2/NDF: 28579522.8/101

reg_asym_atl2_mean vs Slug, Sign Corrected



Right In: 2102.086+/-587.971 χ^2/NDF: 12.4/23

Left Out: 562.390+/-557.316 χ^2/NDF:43.9/24

Right Out: 2522.370+/-551.591 χ^2/NDF: 22.2/29

Left In: 2716.200+/-566.202 χ^2/NDF:14.3/22

Left: 1622.262+/-397.186 χ^2/NDF: 65.6/47

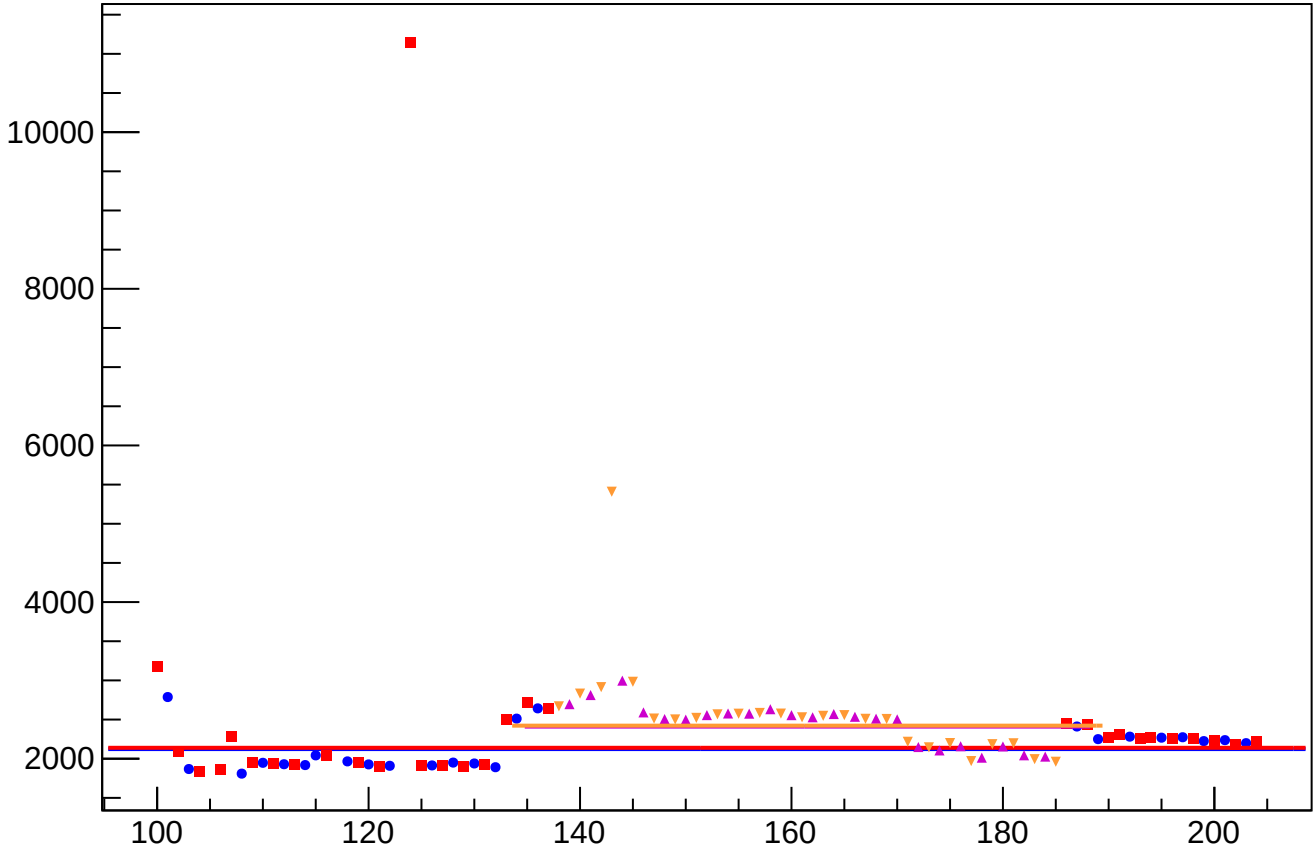
Right: 2325.632+/-402.281 χ^2/NDF: 34.9/53

In: 2420.722+/-407.844 χ^2/NDF:27.2/46

Out: 1552.499+/-392.042 χ^2/NDF:72.4/54

All: 1969.465+/-282.637 χ^2/NDF: 102.0/101

reg_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2123.099+/-0.416 χ^2/NDF: 332885.3/23

Left Out: 2422.152+/-0.394 χ^2/NDF:952857.9/24

Right Out: 2139.417+/-0.390 χ^2/NDF: 512815.5/29

Left In: 2409.820+/-0.400 χ^2/NDF:428364.2/22

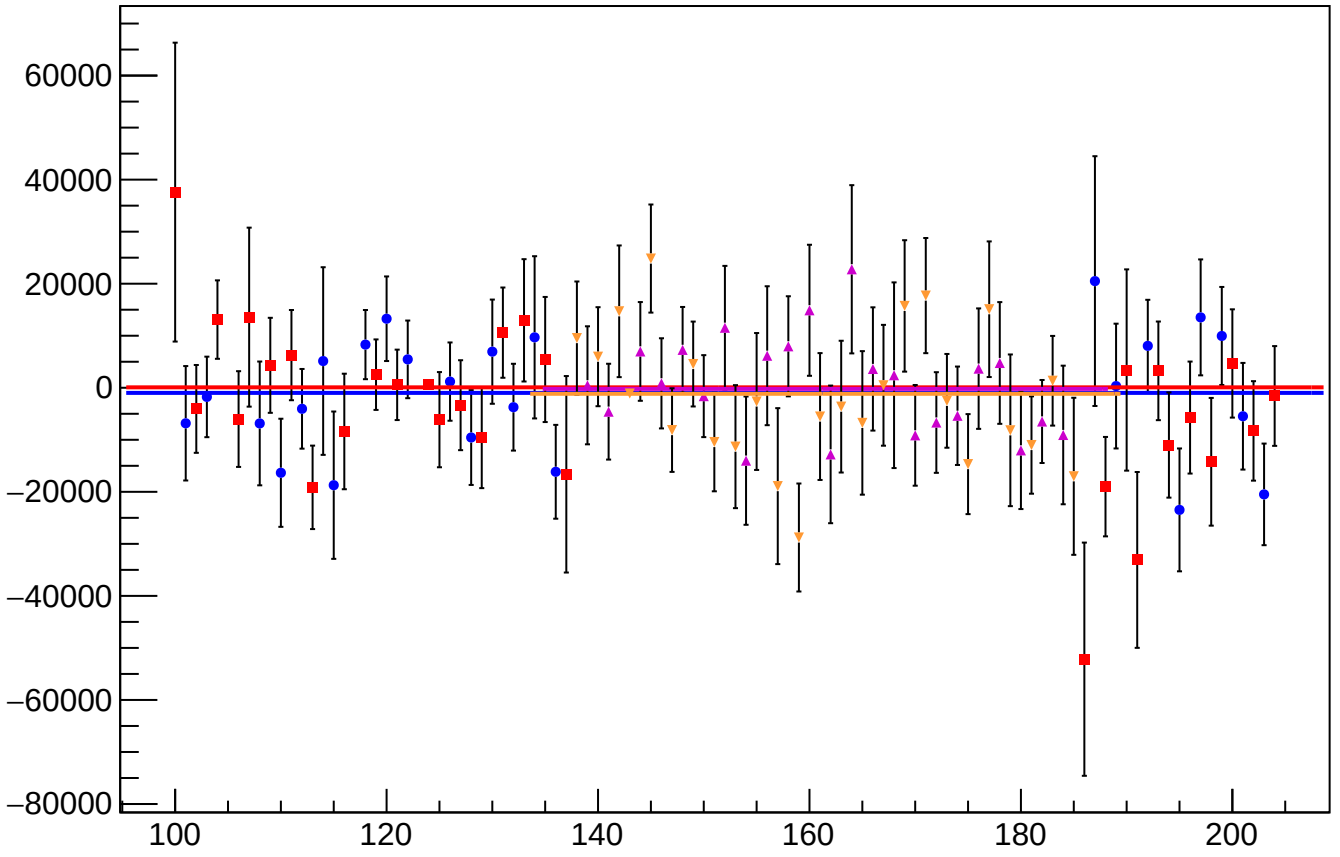
Left: 2416.083+/-0.281 χ^2/NDF: 1381704.0/47

Right: 2131.778+/-0.284 χ^2/NDF: 846520.2/53

In: 2271.865+/-0.288 χ^2/NDF:1008014.1/46

Out: 2279.325+/-0.277 χ^2/NDF:1725697.9/54

All: 2275.742+/-0.200 χ^2/NDF: 2734059.8/10



Right In: -985.207+/-1959.001 χ^2/NDF: 28.0/23

Left Out: -1158.214+/-757.797 χ^2/NDF:31.9/24

Right Out: 80.636+/-749.421 χ^2/NDF: 36.0/29

Left In: -209.655+/-2195.058 χ^2/NDF:13.4/22

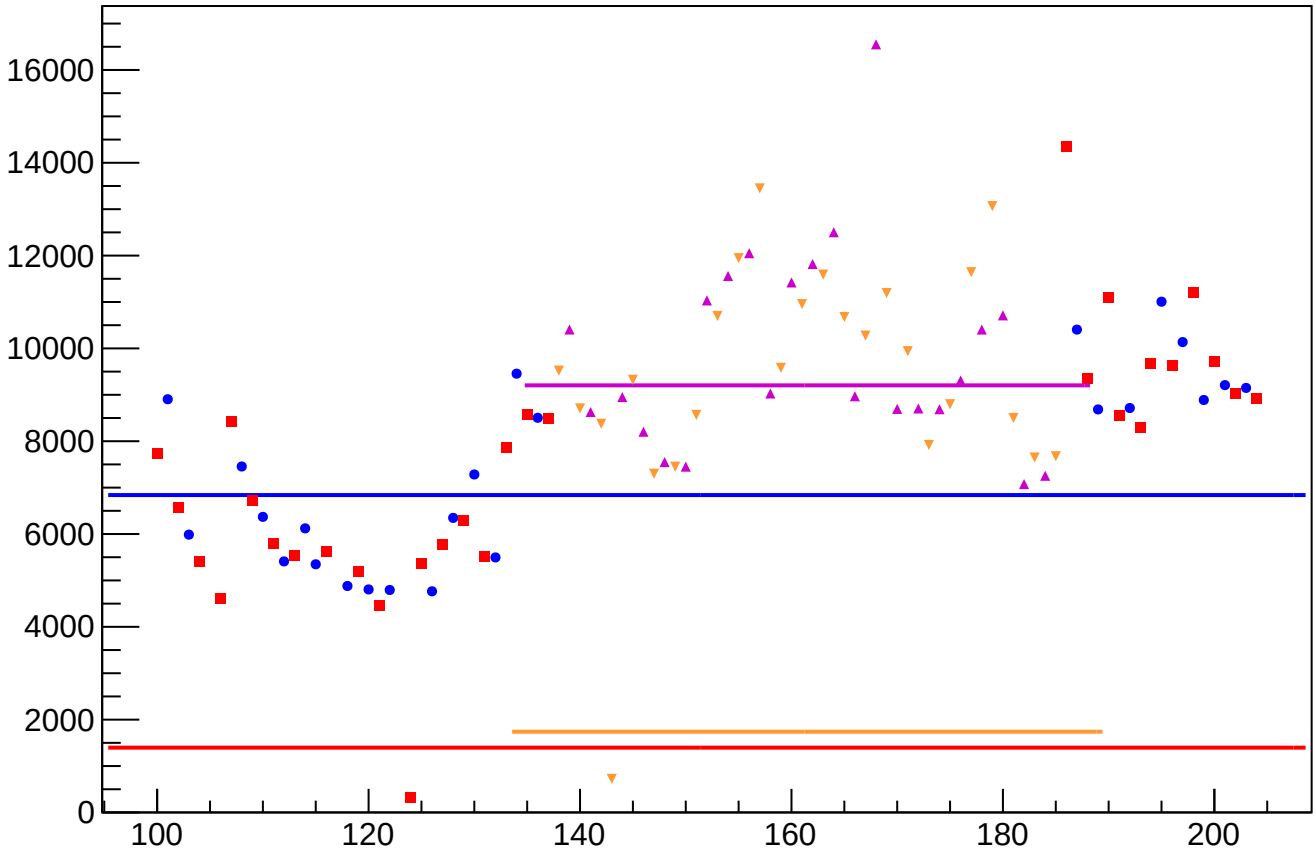
Left: -1057.201+/-716.312 χ^2/NDF: 45.5/47

Right: -55.433+/-699.952 χ^2/NDF: 64.3/53

In: -641.360+/-1461.581 χ^2/NDF:41.5/46

Out: -531.905+/-532.857 χ^2/NDF:69.3/54

All: -544.746+/-500.625 χ^2/NDF: 110.8/101



Right In: 6839.608+/-1.385 χ^2/NDF: 1905620.6/23

Left Out: 1739.692+/-0.536 χ^2/NDF:27734045.9/24

Right Out: 1396.593+/-0.530 χ^2/NDF: 23545588.5/29

Left In: 9203.758+/-1.552 χ^2/NDF:1272066.5/22

Left: 2534.547+/-0.507 χ^2/NDF: 49668848.5/47

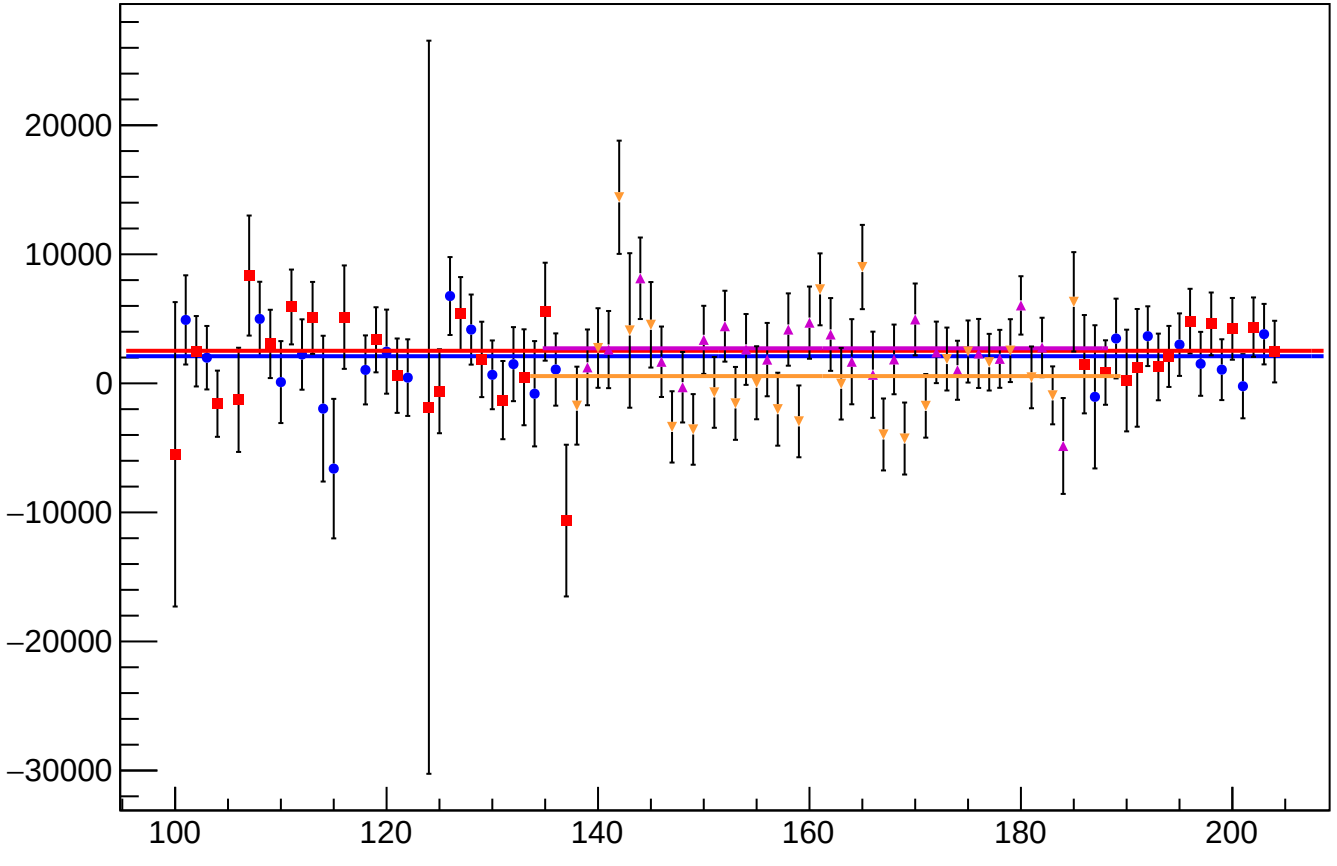
Right: 2091.467+/-0.495 χ^2/NDF: 38919851.0/53

In: 7887.771+/-1.033 χ^2/NDF:4469097.8/46

Out: 1566.236+/-0.377 χ^2/NDF:51486902.9/54

All: 2307.889+/-0.354 χ^2/NDF: 88980151.9/1

cor_asym_atl2_mean vs Slug, Sign Corrected



Right In: 2102.113+/-587.971 χ^2/NDF: 12.4/23

Left Out: 562.392+/-557.316 χ^2/NDF:43.9/24

Right Out: 2523.348+/-551.594 χ^2/NDF: 22.2/29

Left In: 2716.163+/-566.202 χ^2/NDF:14.3/22

Left: 1622.245+/-397.186 χ^2/NDF: 65.6/47

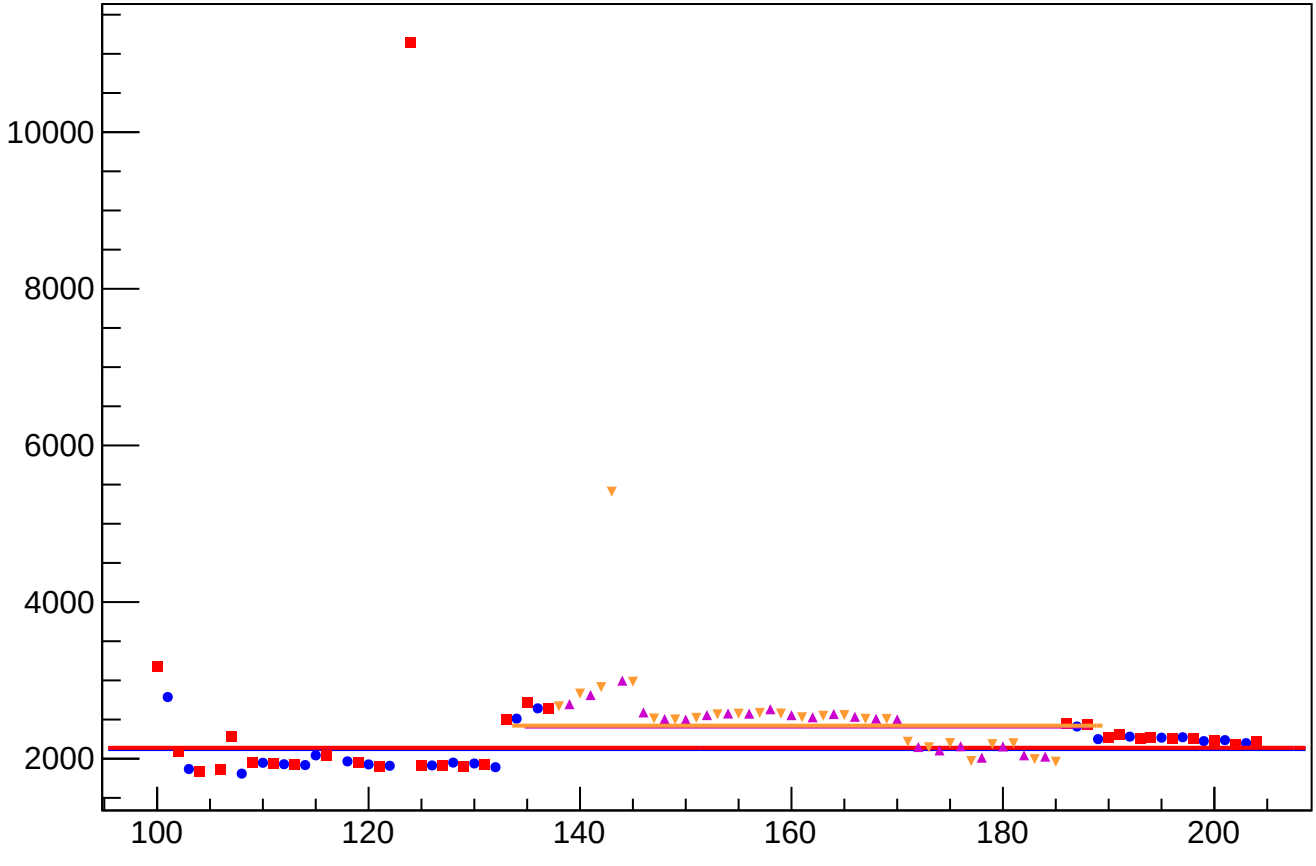
Right: 2326.164+/-402.282 χ^2/NDF: 34.9/53

In: 2420.716+/-407.844 χ^2/NDF:27.2/46

Out: 1552.988+/-392.043 χ^2/NDF:72.4/54

All: 1969.718+/-282.637 χ^2/NDF: 102.0/101

cor_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2123.099+/-0.416 χ^2/NDF: 332885.2/23

Left Out: 2422.152+/-0.394 χ^2/NDF:952857.9/24

Right Out: 2139.430+/-0.390 χ^2/NDF: 512808.4/29

Left In: 2409.820+/-0.400 χ^2/NDF:428364.2/22

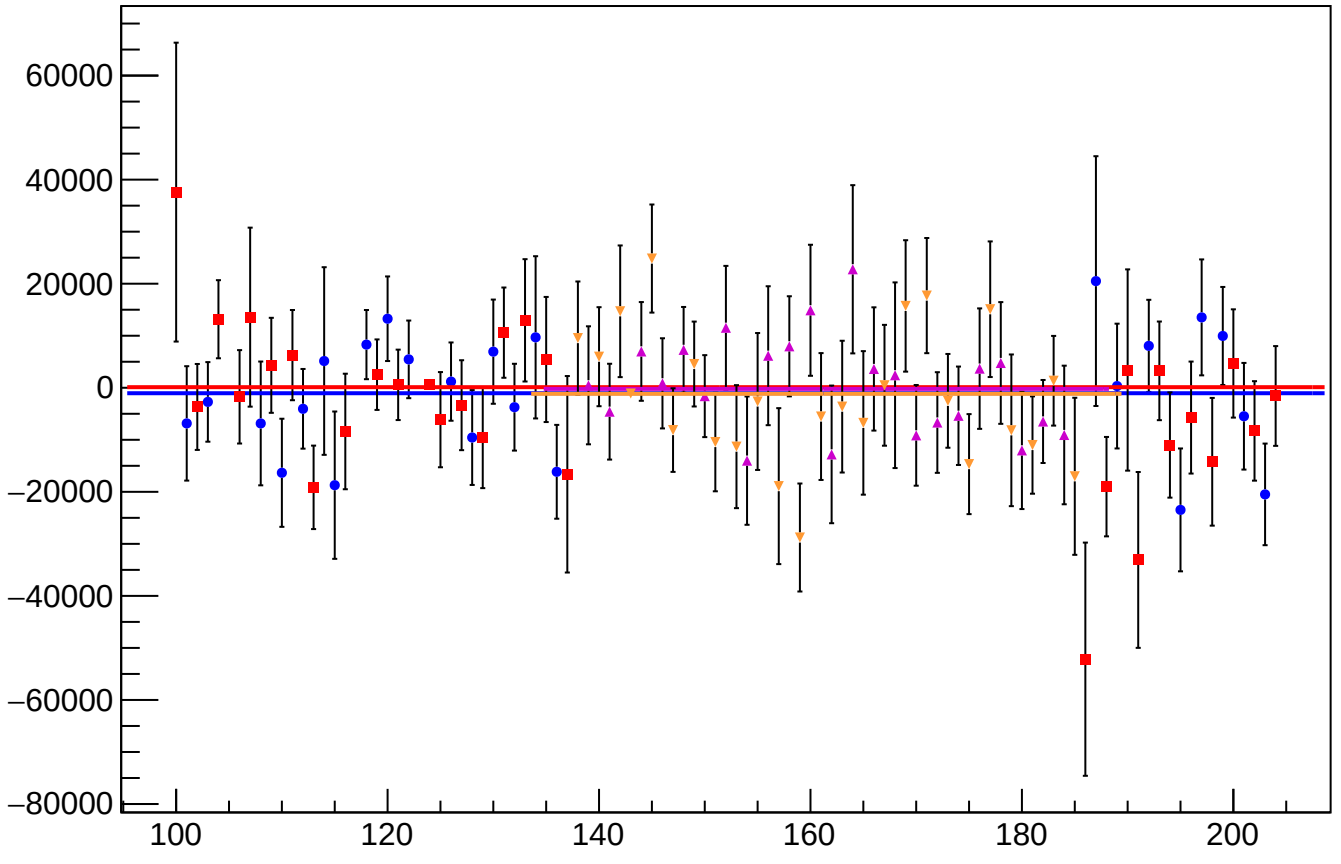
Left: 2416.083+/-0.281 χ^2/NDF: 1381703.9/47

Right: 2131.785+/-0.284 χ^2/NDF: 846514.4/53

In: 2271.865+/-0.288 χ^2/NDF:1008014.1/46

Out: 2279.332+/-0.277 χ^2/NDF:1725666.2/54

All: 2275.746+/-0.200 χ^2/NDF: 2734028.7/10



Right In: -1049.851+/-1957.506 χ^2/NDF: 28.1/23

Left Out: -1157.974+/-757.732 χ^2/NDF:31.9/24

Right Out: 112.682+/-749.106 χ^2/NDF: 35.6/29

Left In: -209.500+/-2195.055 χ^2/NDF:13.4/22

Left: -1056.985+/-716.258 χ^2/NDF: 45.5/47

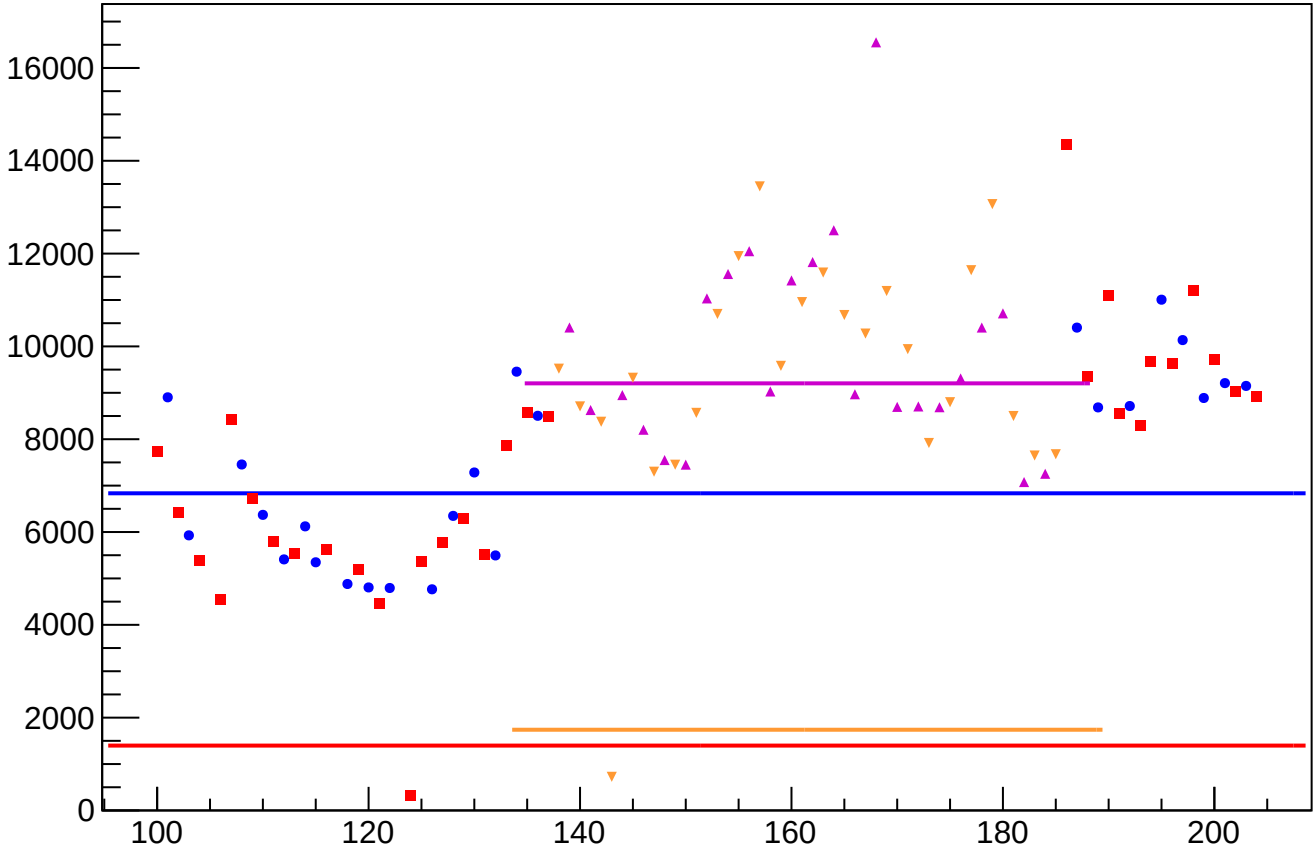
Right: -35.820+/-699.627 χ^2/NDF: 64.0/53

In: -677.591+/-1460.959 χ^2/NDF:41.6/46

Out: -515.372+/-532.722 χ^2/NDF:69.0/54

All: -534.410+/-500.487 χ^2/NDF: 110.6/101

asym_atl2_cor_correction_rms vs Slug, Sign Corrected



Right In: 6834.448+/-1.384 χ^2/NDF: 1909608.3/23

Left Out: 1739.457+/-0.536 χ^2/NDF:27735092.1/24

Right Out: 1397.890+/-0.530 χ^2/NDF: 23537417.3/29

Left In: 9203.744+/-1.552 χ^2/NDF:1272079.0/22

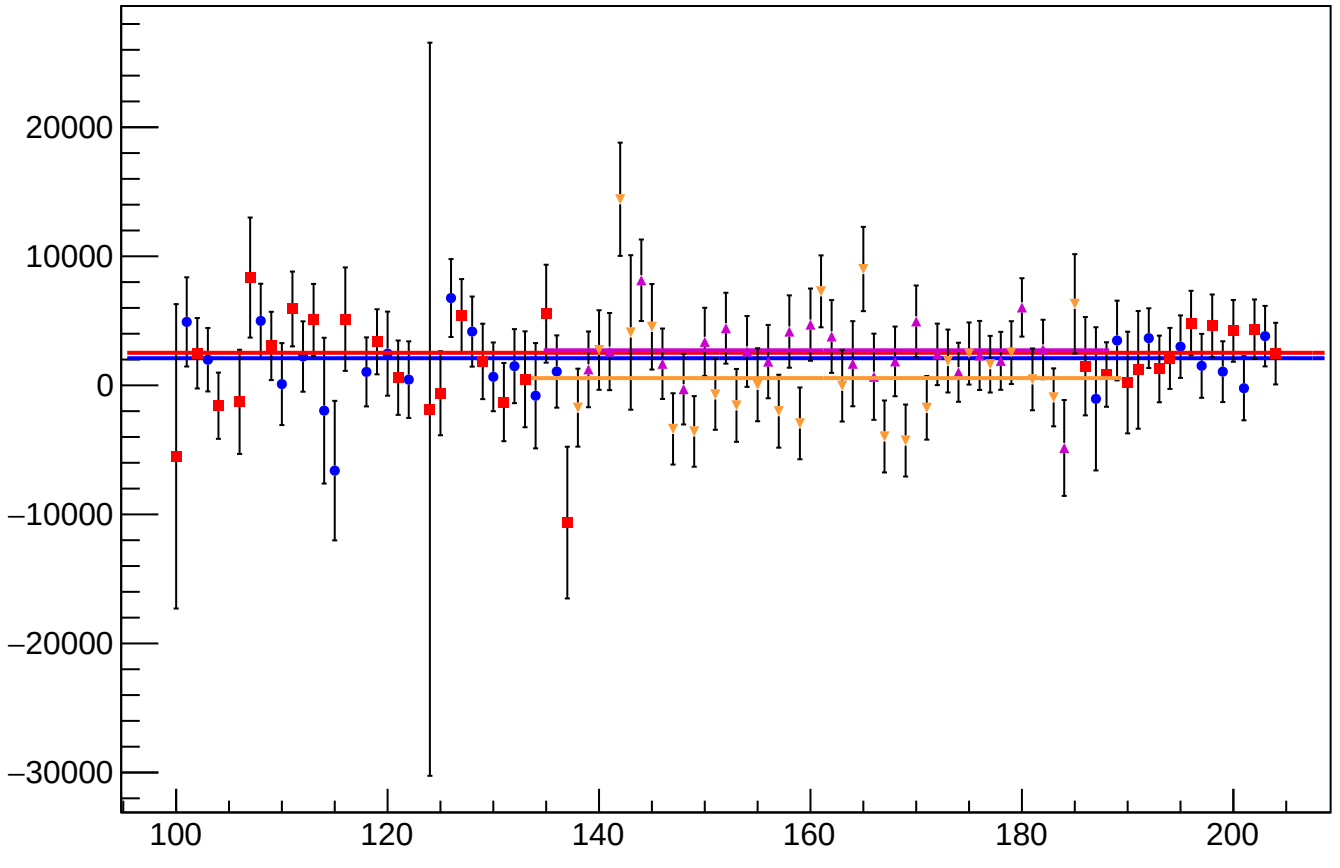
Left: 2534.217+/-0.506 χ^2/NDF: 49671551.4/47

Right: 2092.355+/-0.495 χ^2/NDF: 38903085.1/53

In: 7884.001+/-1.033 χ^2/NDF:4479606.7/46

Out: 1566.718+/-0.377 χ^2/NDF:51478035.0/54

All: 2308.097+/-0.354 χ^2/NDF: 88964146.1/1



Right In: 2102.113+/-587.971 χ^2/NDF: 12.4/23

Left Out: 562.392+/-557.316 χ^2/NDF:43.9/24

Right Out: 2523.348+/-551.594 χ^2/NDF: 22.2/29

Left In: 2716.163+/-566.202 χ^2/NDF:14.3/22

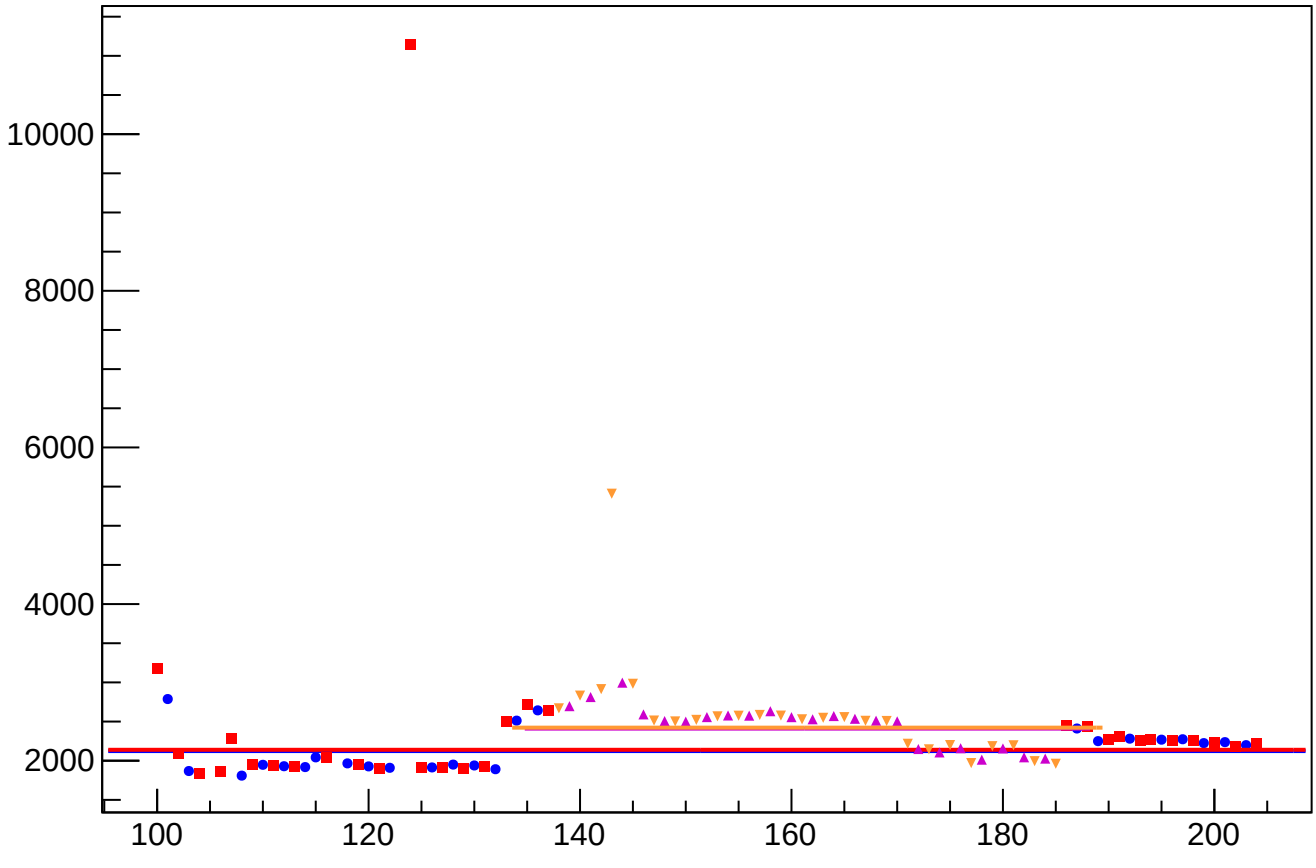
Left: 1622.245+/-397.186 χ^2/NDF: 65.6/47

Right: 2326.164+/-402.282 χ^2/NDF: 34.9/53

In: 2420.716+/-407.844 χ^2/NDF:27.2/46

Out: 1552.988+/-392.043 χ^2/NDF:72.4/54

All: 1969.718+/-282.637 χ^2/NDF: 102.0/101



Right In: 2123.099+/-0.416 χ^2/NDF: 332885.2/23

Left Out: 2422.152+/-0.394 χ^2/NDF:952857.9/24

Right Out: 2139.430+/-0.390 χ^2/NDF: 512808.4/29

Left In: 2409.820+/-0.400 χ^2/NDF:428364.2/22

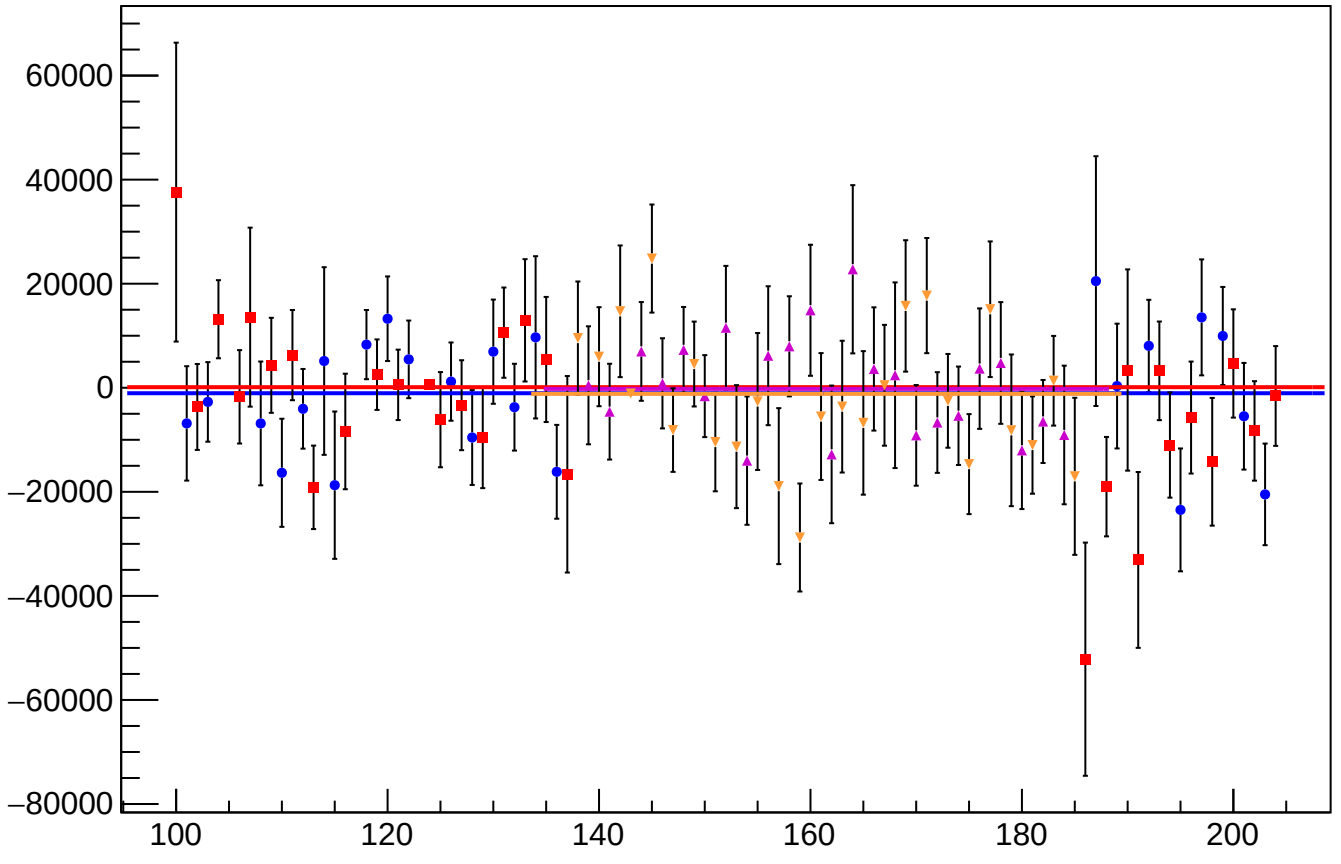
Left: 2416.083+/-0.281 χ^2/NDF: 1381703.9/47

Right: 2131.785+/-0.284 χ^2/NDF: 846514.4/53

In: 2271.865+/-0.288 χ^2/NDF:1008014.1/46

Out: 2279.332+/-0.277 χ^2/NDF:1725666.2/54

All: 2275.746+/-0.200 χ^2/NDF: 2734028.7/10



Right In: -1049.851+/-1957.506 χ^2/NDF: 28.1/23

Left Out: -1157.974+/-757.732 χ^2/NDF:31.9/24

Right Out: 112.682+/-749.106 χ^2/NDF: 35.6/29

Left In: -209.500+/-2195.055 χ^2/NDF:13.4/22

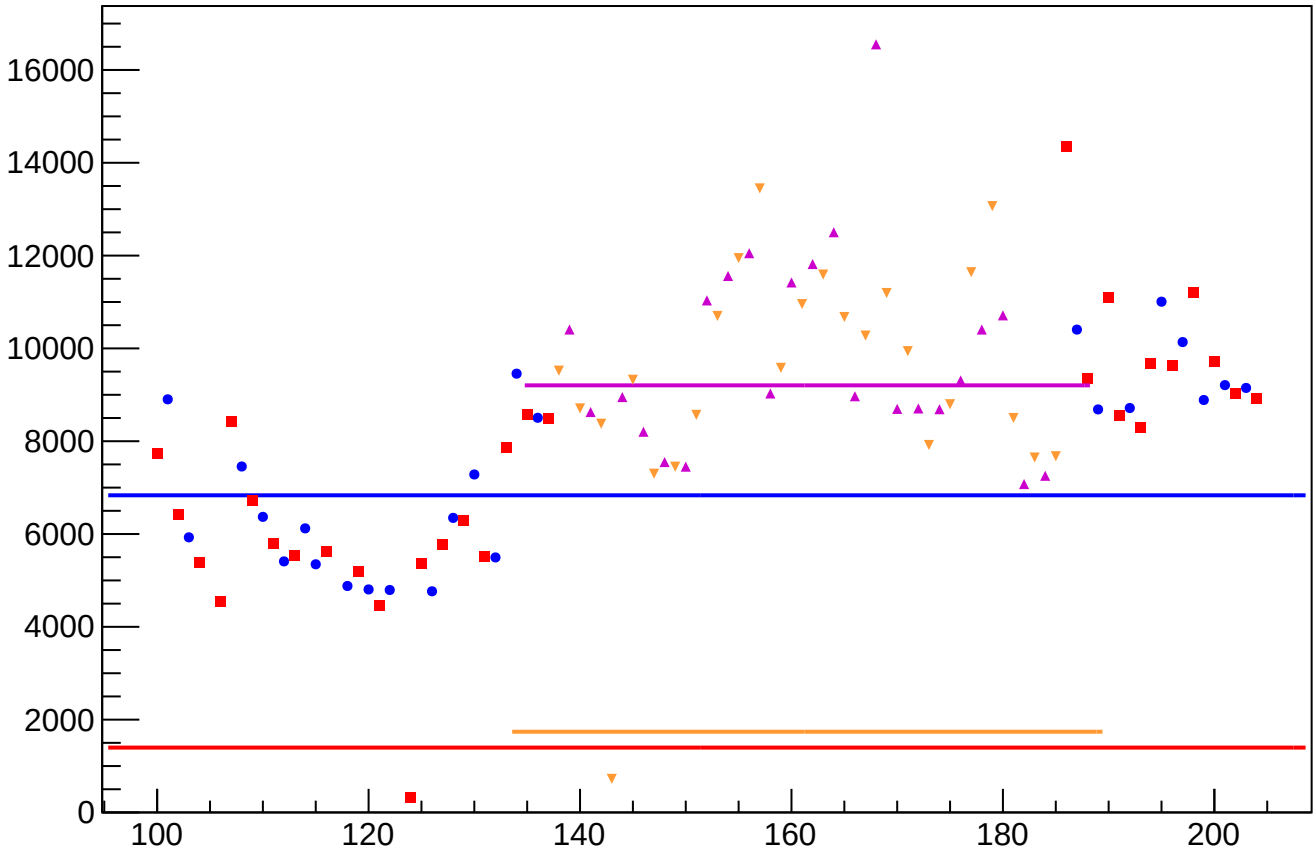
Left: -1056.985+/-716.258 χ^2/NDF: 45.5/47

Right: -35.820+/-699.627 χ^2/NDF: 64.0/53

In: -677.591+/-1460.959 χ^2/NDF:41.6/46

Out: -515.372+/-532.722 χ^2/NDF:69.0/54

All: -534.410+/-500.487 χ^2/NDF: 110.6/101



Right In: 6834.448+/-1.384 χ^2/NDF: 1909608.3/23

Left Out: 1739.457+/-0.536 χ^2/NDF:27735092.1/24

Right Out: 1397.890+/-0.530 χ^2/NDF: 23537417.3/29

Left In: 9203.744+/-1.552 χ^2/NDF:1272079.0/22

Left: 2534.217+/-0.506 χ^2/NDF: 49671551.4/47

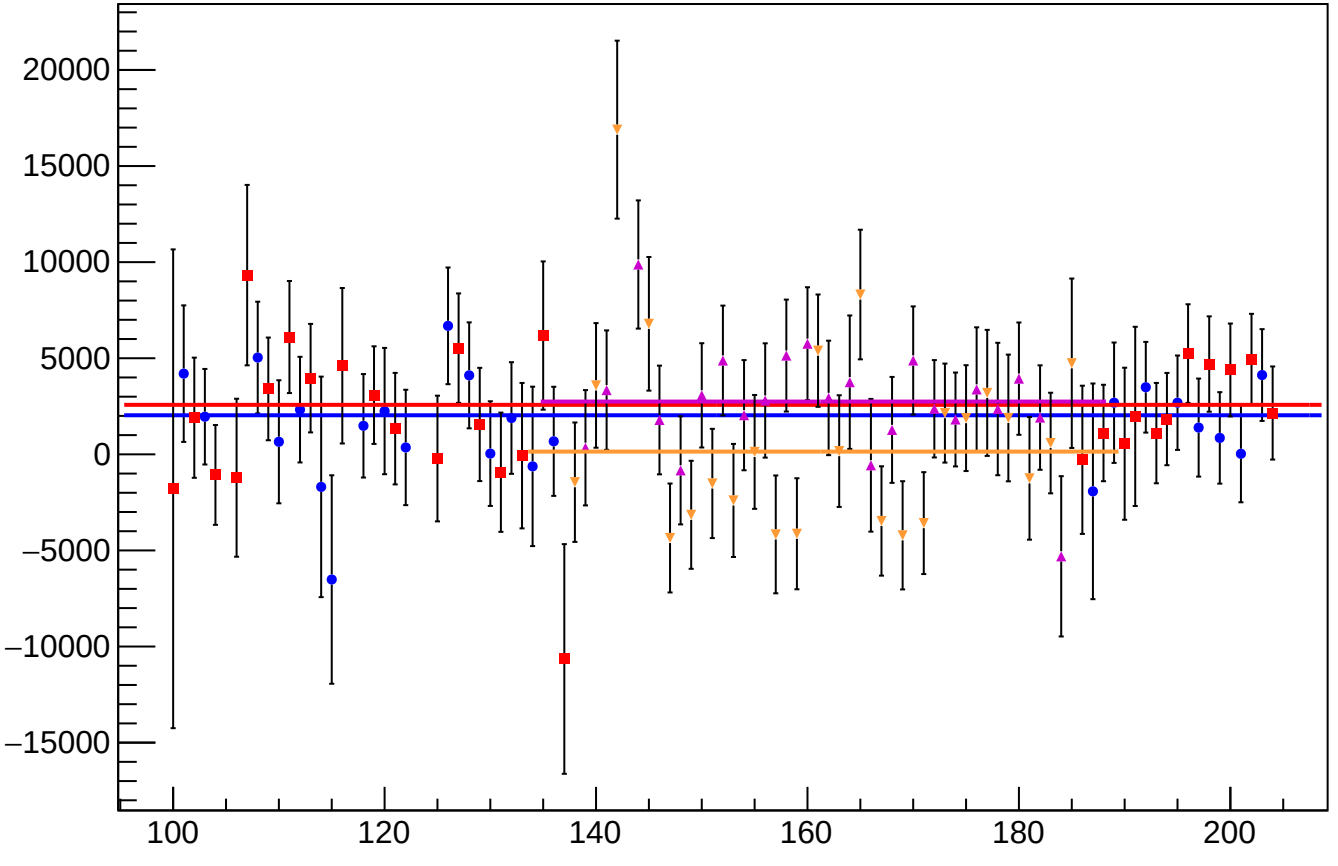
Right: 2092.355+/-0.495 χ^2/NDF: 38903085.1/53

In: 7884.001+/-1.033 χ^2/NDF:4479606.7/46

Out: 1566.718+/-0.377 χ^2/NDF:51478035.0/54

All: 2308.097+/-0.354 χ^2/NDF: 88964146.1/

dit_asym_atl2_mean vs Slug, Sign Corrected



Right In: 2033.058+/-596.212 χ^2/NDF: 11.7/23

Left Out: 142.497+/-615.731 χ^2/NDF:45.8/23

Right Out: 2575.439+/-561.458 χ^2/NDF: 21.8/28

Left In: 2745.982+/-616.123 χ^2/NDF:15.4/22

Left: 1443.410+/-435.526 χ^2/NDF: 70.2/46

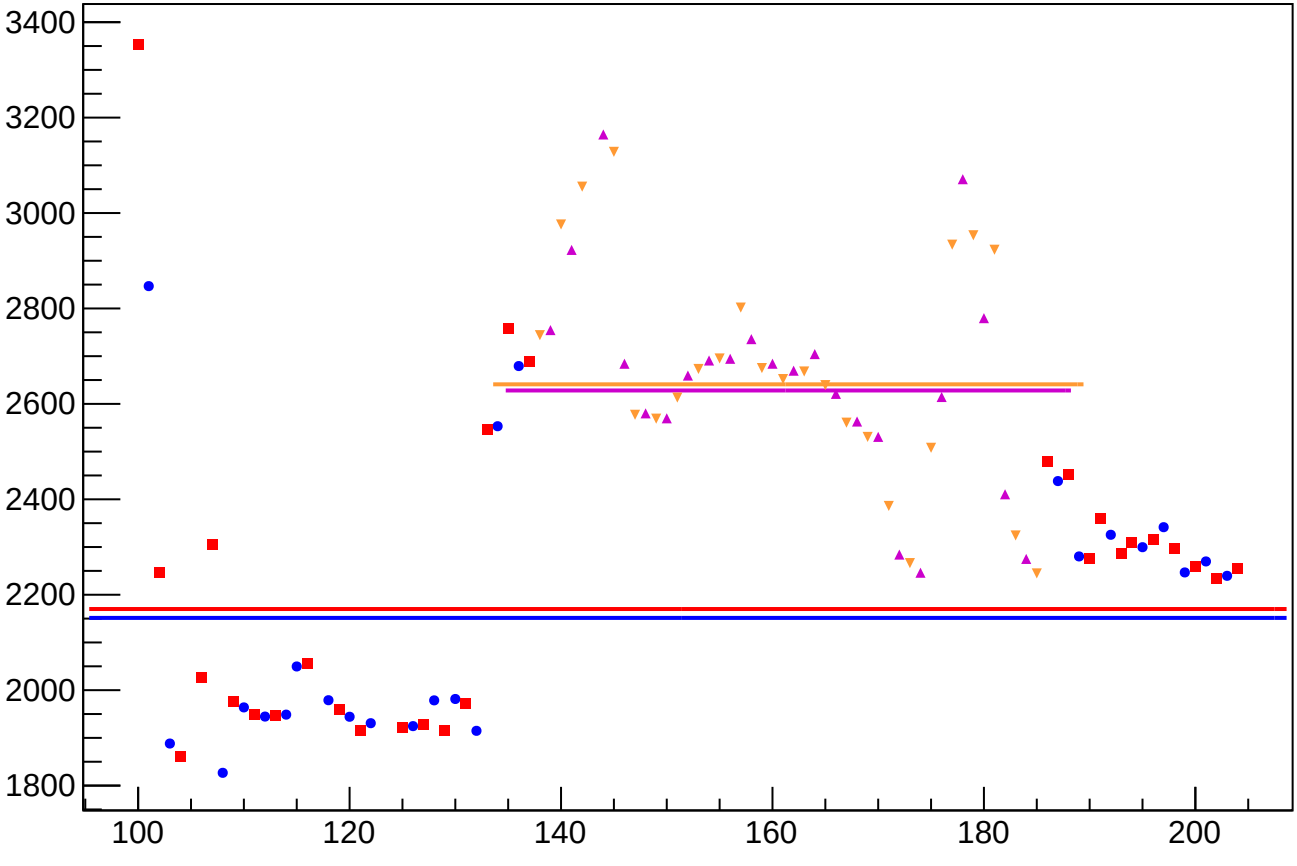
Right: 2320.517+/-408.745 χ^2/NDF: 33.9/52

In: 2377.815+/-428.452 χ^2/NDF:27.8/46

Out: 1470.898+/-414.874 χ^2/NDF:76.1/52

All: 1909.758+/-298.045 χ^2/NDF: 106.3/99

dit_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2151.466+/-0.422 χ^2/NDF: 348651.6/23

Left Out: 2640.990+/-0.435 χ^2/NDF:253402.6/23

Right Out: 2170.081+/-0.397 χ^2/NDF: 319526.8/28

Left In: 2628.113+/-0.436 χ^2/NDF:237507.6/22

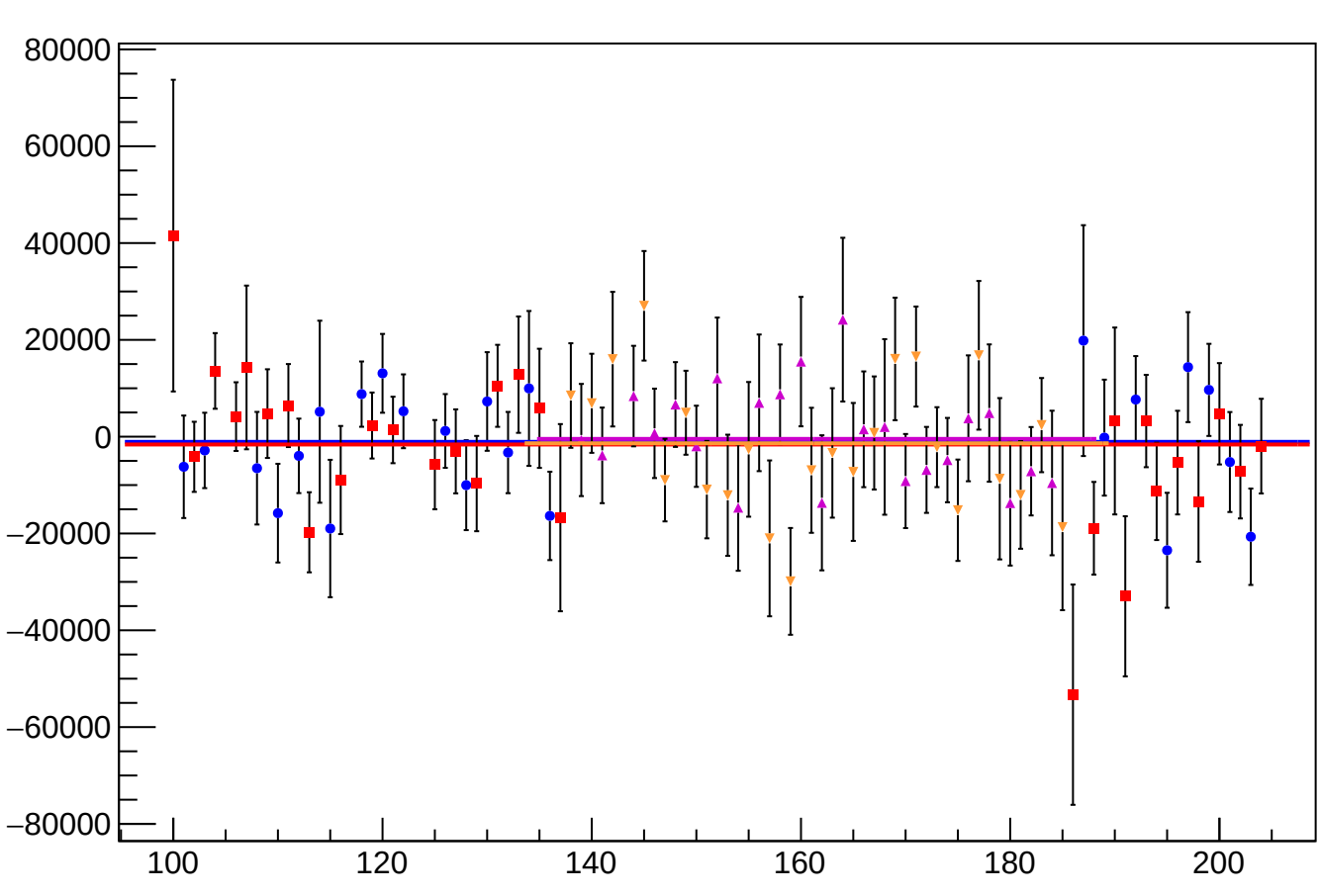
Left: 2634.556+/-0.308 χ^2/NDF: 491347.2/46

Right: 2161.339+/-0.289 χ^2/NDF: 669212.5/52

In: 2381.963+/-0.303 χ^2/NDF:1204307.0/46

Out: 2383.684+/-0.293 χ^2/NDF:1212128.2/52

All: 2382.852+/-0.211 χ^2/NDF: 2416451.9/99



Right In: -1074.403+/-1974.882 χ^2/NDF: 27.8/23

Left Out: -1366.840+/-2326.289 χ^2/NDF:31.3/23

Right Out: -1612.686+/-1820.665 χ^2/NDF: 34.7/28

Left In: -463.775+/-2314.478 χ^2/NDF:13.1/22

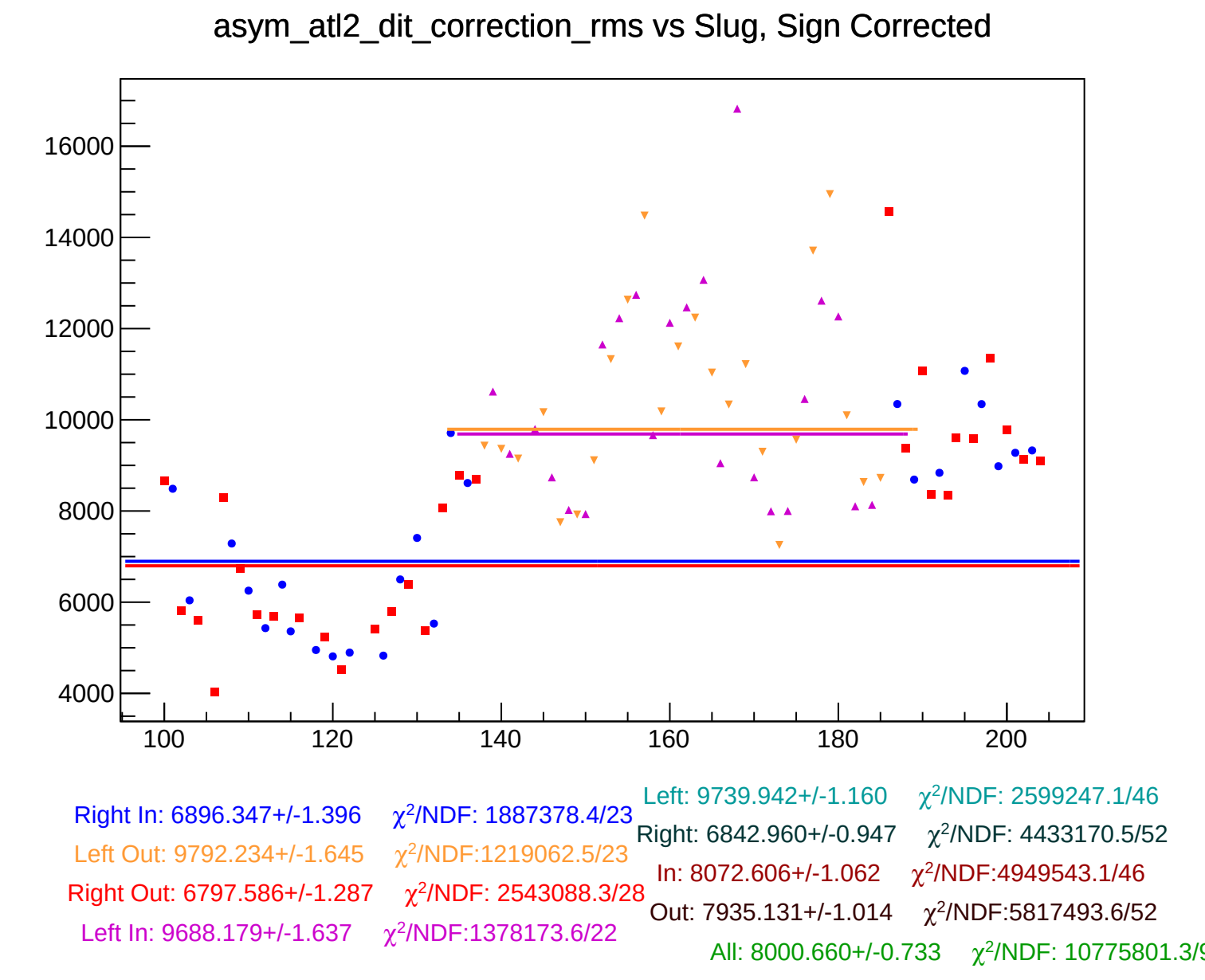
Left: -913.009+/-1640.743 χ^2/NDF: 44.4/46

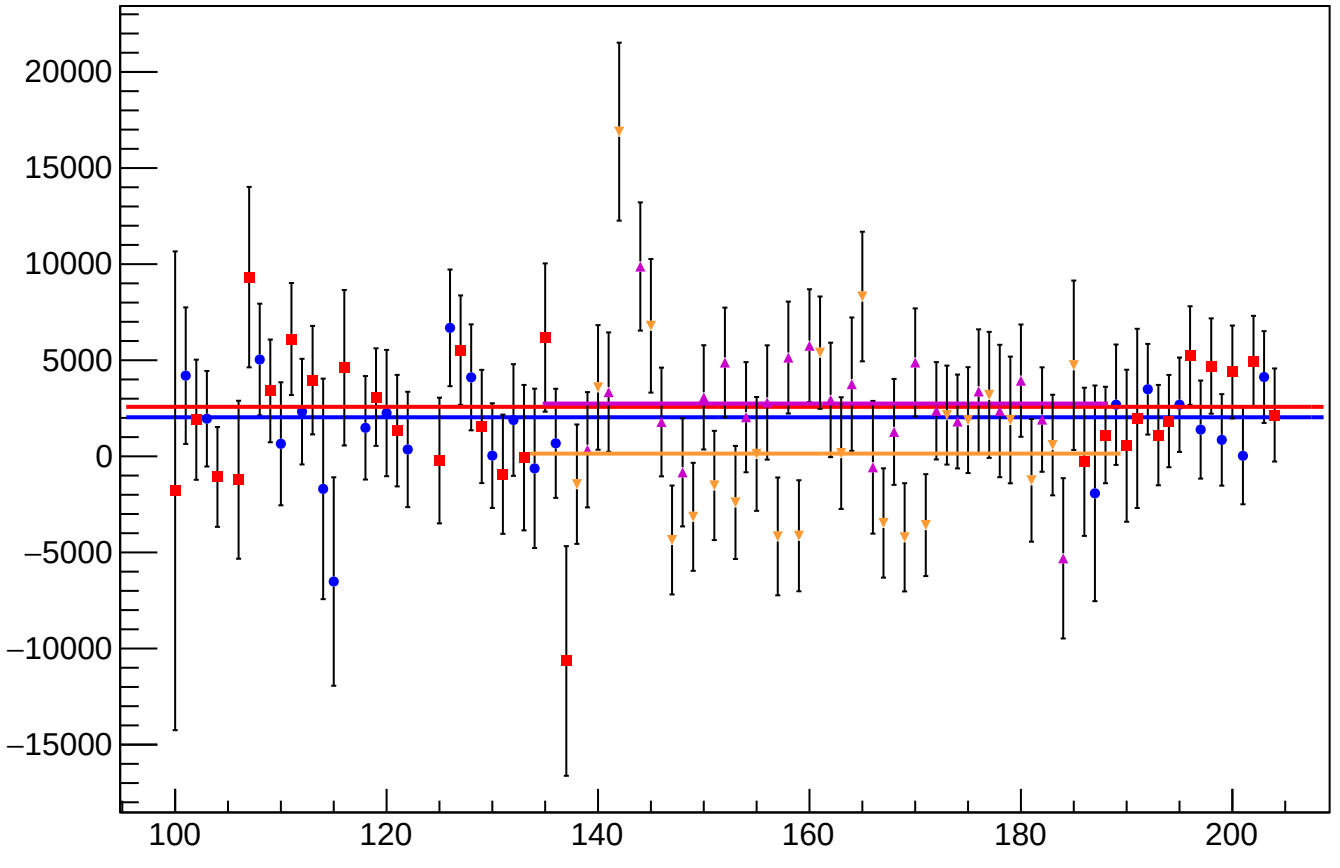
Right: -1365.379+/-1338.609 χ^2/NDF: 62.5/52

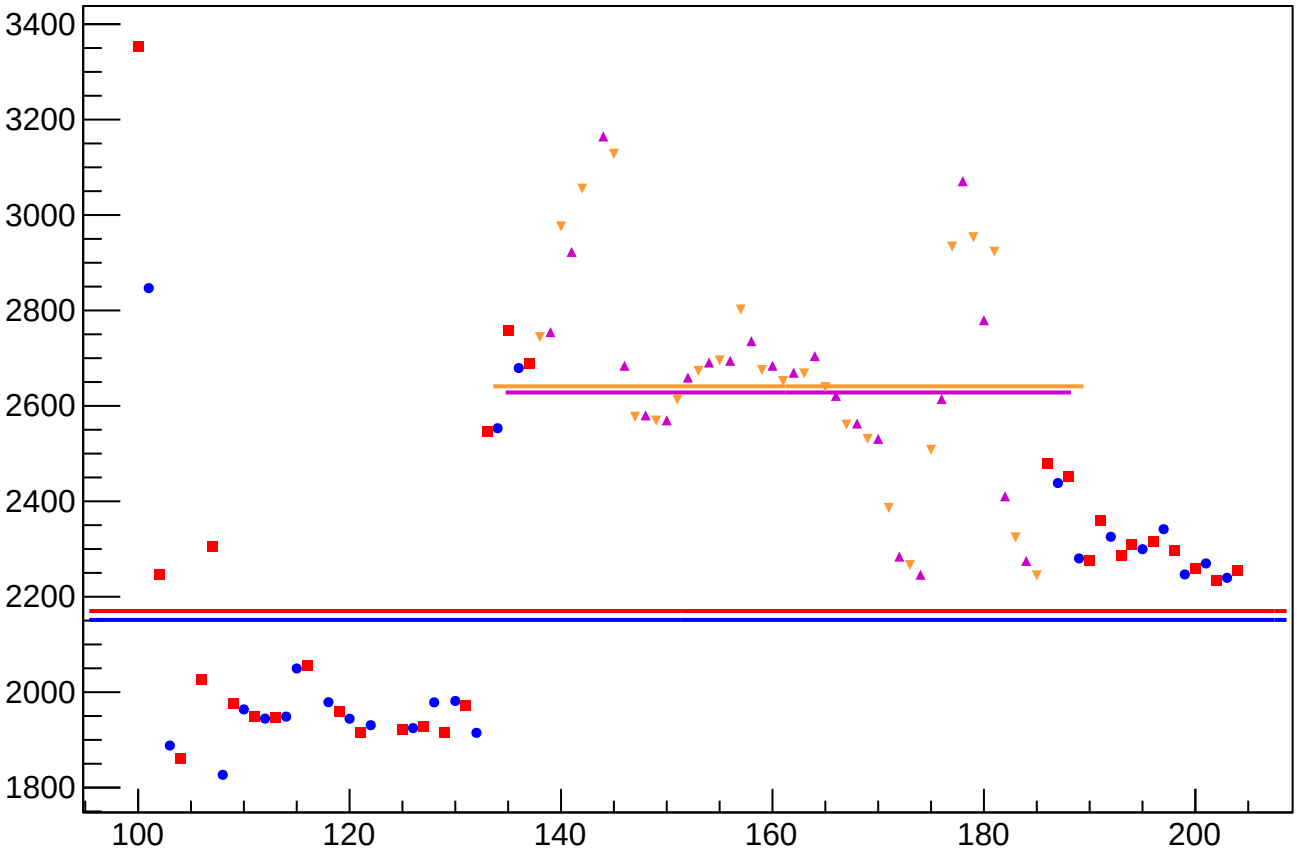
In: -817.132+/-1502.311 χ^2/NDF:40.9/46

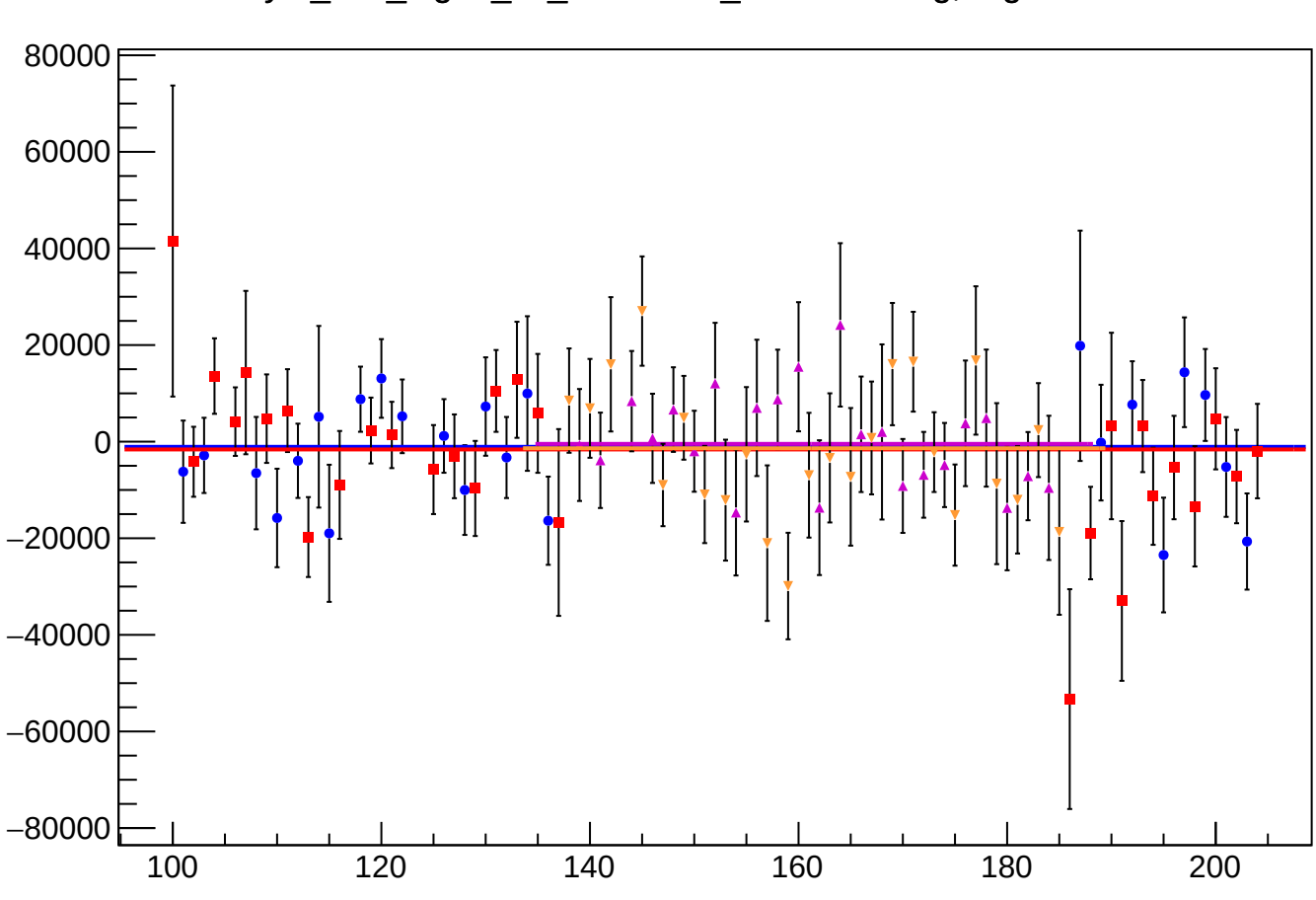
Out: -1519.299+/-1433.756 χ^2/NDF:66.0/52

All: -1184.602+/-1037.208 χ^2/NDF: 107.0/99


asym_atl2_dit_correction_rms vs Slug, Sign Corrected
16000
14000
12000
10000
8000
6000
4000
100
120
140
160
180
200
Right In: 6896.347+/-1.396 χ²/NDF: 1887378.4/23
Left Out: 9792.234+/-1.645 χ²/NDF:1219062.5/23
Right Out: 6797.586+/-1.287 χ²/NDF: 2543088.3/28
Left In: 9688.179+/-1.637 χ²/NDF:1378173.6/22
Left: 9739.942+/-1.160 χ²/NDF: 2599247.1/46
Right: 6842.960+/-0.947 χ²/NDF: 4433170.5/52
In: 8072.606+/-1.062 χ²/NDF:4949543.1/46
Out: 7935.131+/-1.014 χ²/NDF:5817493.6/52
All: 8000.660+/-0.733 χ²/NDF: 10775801.3/9


eigen_dit_asym_atl2_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
−15000
100
120
140
160
180
200
Right In: 2033.053+/-596.213 χ²/NDF: 11.7/23
Left Out: 142.487+/-615.732 χ²/NDF:45.8/23
Right Out: 2575.441+/-561.458 χ²/NDF: 21.8/28
Left In: 2745.980+/-616.124 χ²/NDF:15.4/22
Left: 1443.405+/-435.527 χ²/NDF: 70.2/46
Right: 2320.516+/-408.745 χ²/NDF: 33.9/52
In: 2377.811+/-428.452 χ²/NDF:27.8/46
Out: 1470.896+/-414.874 χ²/NDF:76.1/52
All: 1909.755+/-298.045 χ²/NDF: 106.3/99


eigen_dit_asym_atl2_rms vs Slug, Sign Corrected
3400
3200
3000
2800
2600
2400
2200
2000
1800
100
120
140
160
180
200
Right In: 2151.466+/-0.422 χ²/NDF: 348651.8/23
Left Out: 2640.993+/-0.435 χ²/NDF:253411.8/23
Right Out: 2170.081+/-0.397 χ²/NDF: 319527.3/28
Left In: 2628.116+/-0.436 χ²/NDF:237516.8/22
Left: 2634.558+/-0.308 χ²/NDF: 491365.7/46
Right: 2161.339+/-0.289 χ²/NDF: 669213.2/52
In: 2381.964+/-0.303 χ²/NDF:1204320.8/46
Out: 2383.685+/-0.293 χ²/NDF:1212143.2/52
All: 2382.853+/-0.211 χ²/NDF: 2416480.7/99



Right In: -1074.390+/-1974.879 χ^2/NDF: 27.8/23

Left Out: -1366.849+/-2326.293 χ^2/NDF:31.3/23

Right Out: -1612.675+/-1820.663 χ^2/NDF: 34.7/28

Left In: -463.777+/-2314.482 χ^2/NDF:13.1/22

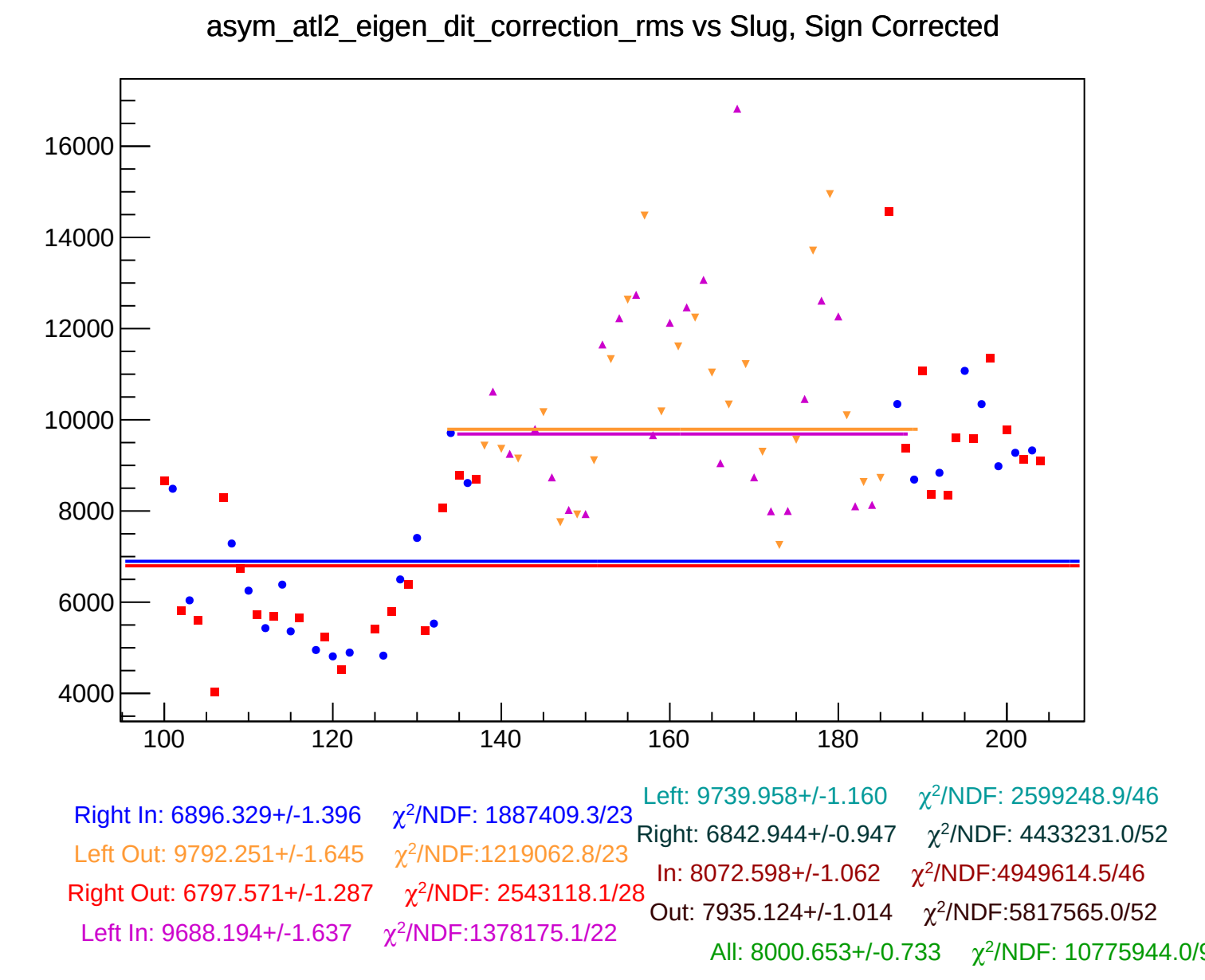
Left: -913.015+/-1640.746 χ^2/NDF: 44.4/46

Right: -1365.367+/-1338.607 χ^2/NDF: 62.5/52

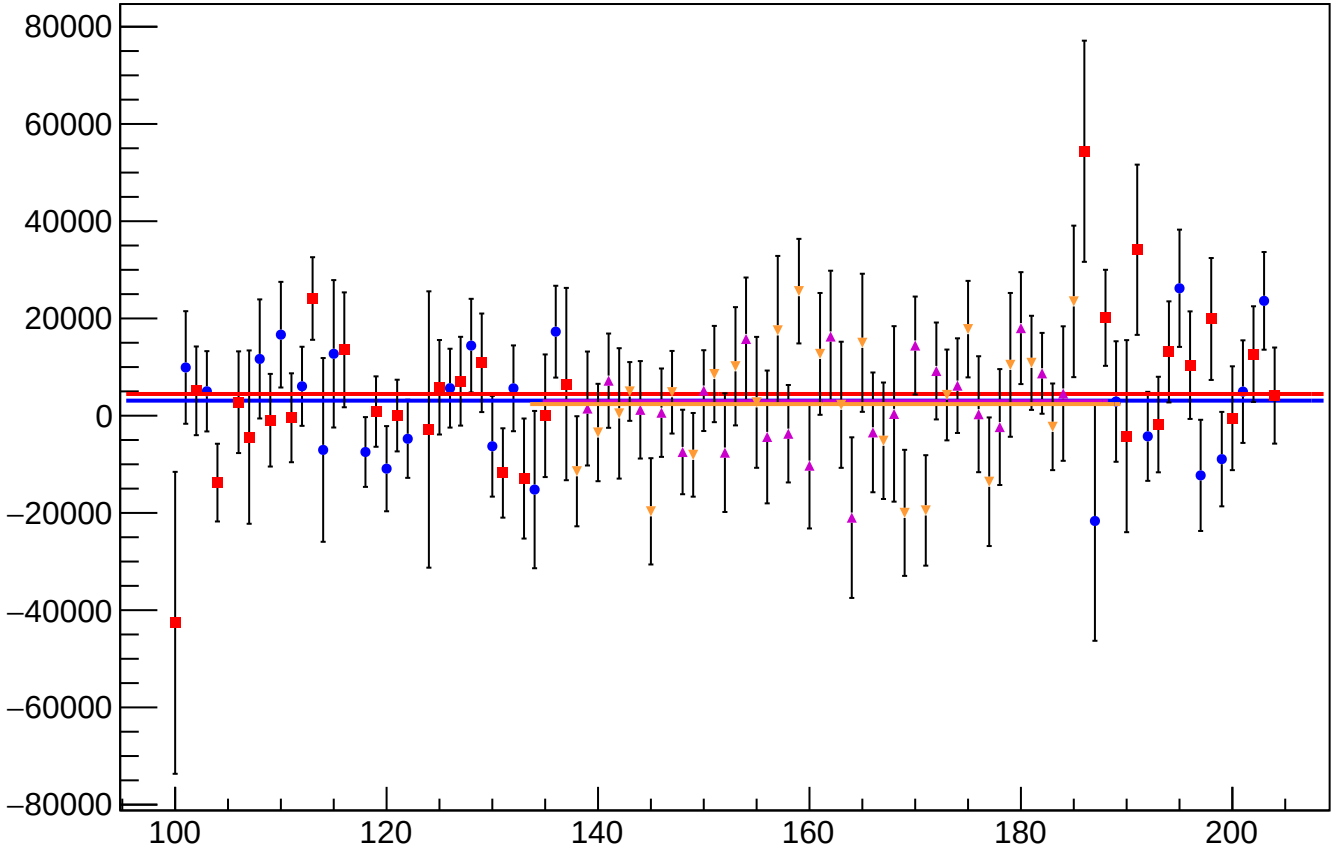
In: -817.127+/-1502.311 χ^2/NDF:40.9/46

Out: -1519.296+/-1433.755 χ^2/NDF:66.0/52

All: -1184.598+/-1037.207 χ^2/NDF: 107.0/99


asym_atl2_eigen_dit_correction_rms vs Slug, Sign Corrected
16000
14000
12000
10000
8000
6000
4000
100
120
140
160
180
200
Right In: 6896.329+/-1.396 χ²/NDF: 1887409.3/23
Left Out: 9792.251+/-1.645 χ²/NDF:1219062.8/23
Right Out: 6797.571+/-1.287 χ²/NDF: 2543118.1/28
Left In: 9688.194+/-1.637 χ²/NDF:1378175.1/22
Left: 9739.958+/-1.160 χ²/NDF: 2599248.9/46
Right: 6842.944+/-0.947 χ²/NDF: 4433231.0/52
In: 8072.598+/-1.062 χ²/NDF:4949614.5/46
Out: 7935.124+/-1.014 χ²/NDF:5817565.0/52
All: 8000.653+/-0.733 χ²/NDF: 10775944.0/9

asym_atl2_mean vs Slug, Sign Corrected



Right In: 3095.143+/-2063.859 χ^2/NDF: 27.7/23

Left Out: 2387.857+/-2136.530 χ^2/NDF:29.7/24

Right Out: 4463.987+/-1943.412 χ^2/NDF: 35.0/29

Left In: 2963.537+/-2278.927 χ^2/NDF:13.0/22

Left: 2657.151+/-1558.666 χ^2/NDF: 42.8/47

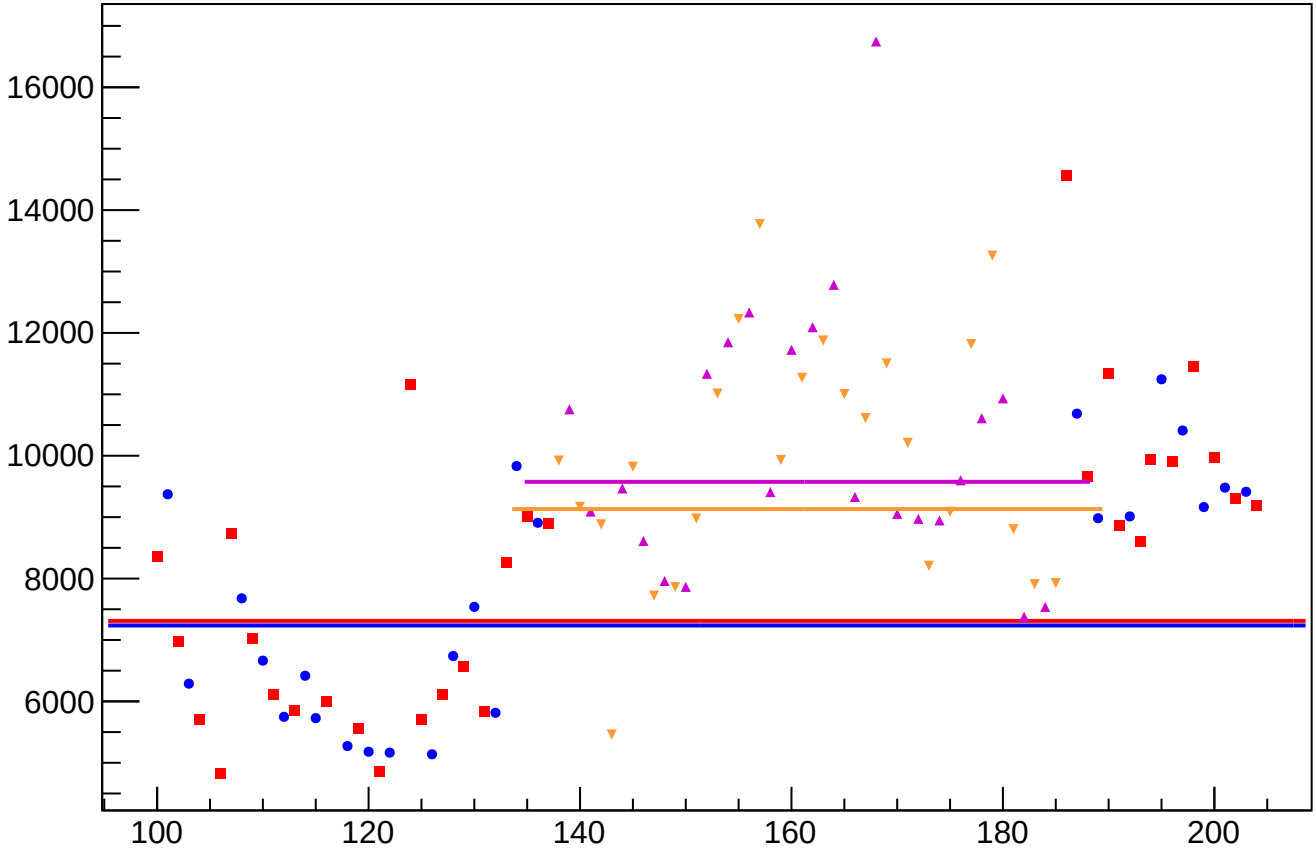
Right: 3820.671+/-1414.865 χ^2/NDF: 62.9/53

In: 3035.841+/-1529.766 χ^2/NDF:40.7/46

Out: 3523.973+/-1437.636 χ^2/NDF:65.2/54

All: 3295.048+/-1047.619 χ^2/NDF: 106.0/101

asym_atl2_rms vs Slug, Sign Corrected



Right In: 7236.128+/-1.459 χ^2/NDF: 1685674.4/23

Left Out: 9131.714+/-1.511 χ^2/NDF:1811661.2/24

Right Out: 7310.797+/-1.374 χ^2/NDF: 2104386.1/29

Left In: 9575.233+/-1.611 χ^2/NDF:1153802.3/22

Left: 9339.185+/-1.102 χ^2/NDF: 3005779.9/47

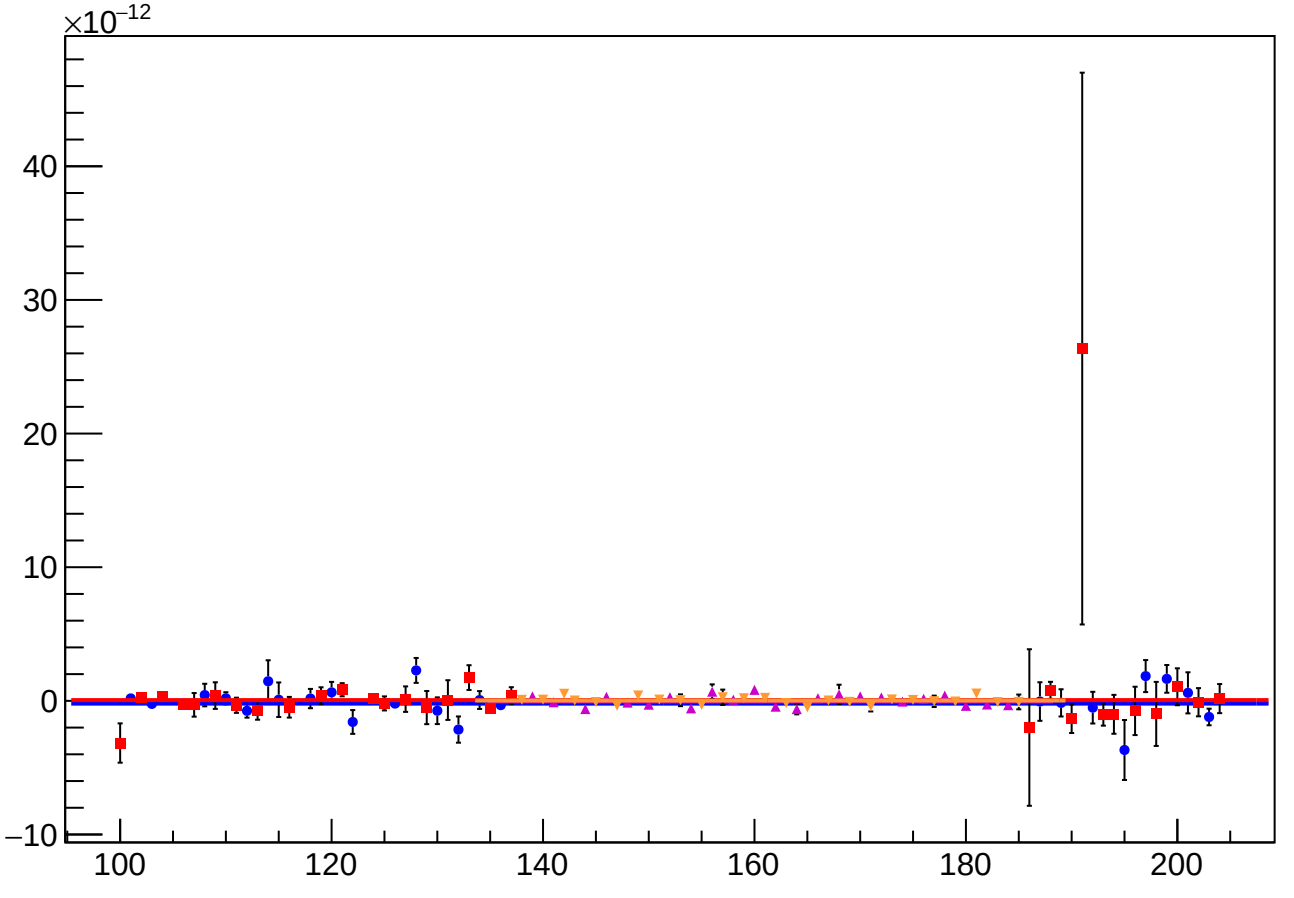
Right: 7275.705+/-1.000 χ^2/NDF: 3791448.1/53

In: 8290.123+/-1.082 χ^2/NDF:3997078.6/46

Out: 8135.256+/-1.017 χ^2/NDF:4711036.5/54

All: 8207.886+/-0.741 χ^2/NDF: 8718999.5/10

asym_atl2_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 32.4/23

Left Out: 0.000+/-0.000 χ^2/NDF:17.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 28.9/29

Left In: -0.000+/-0.000 χ^2/NDF:36.8/22

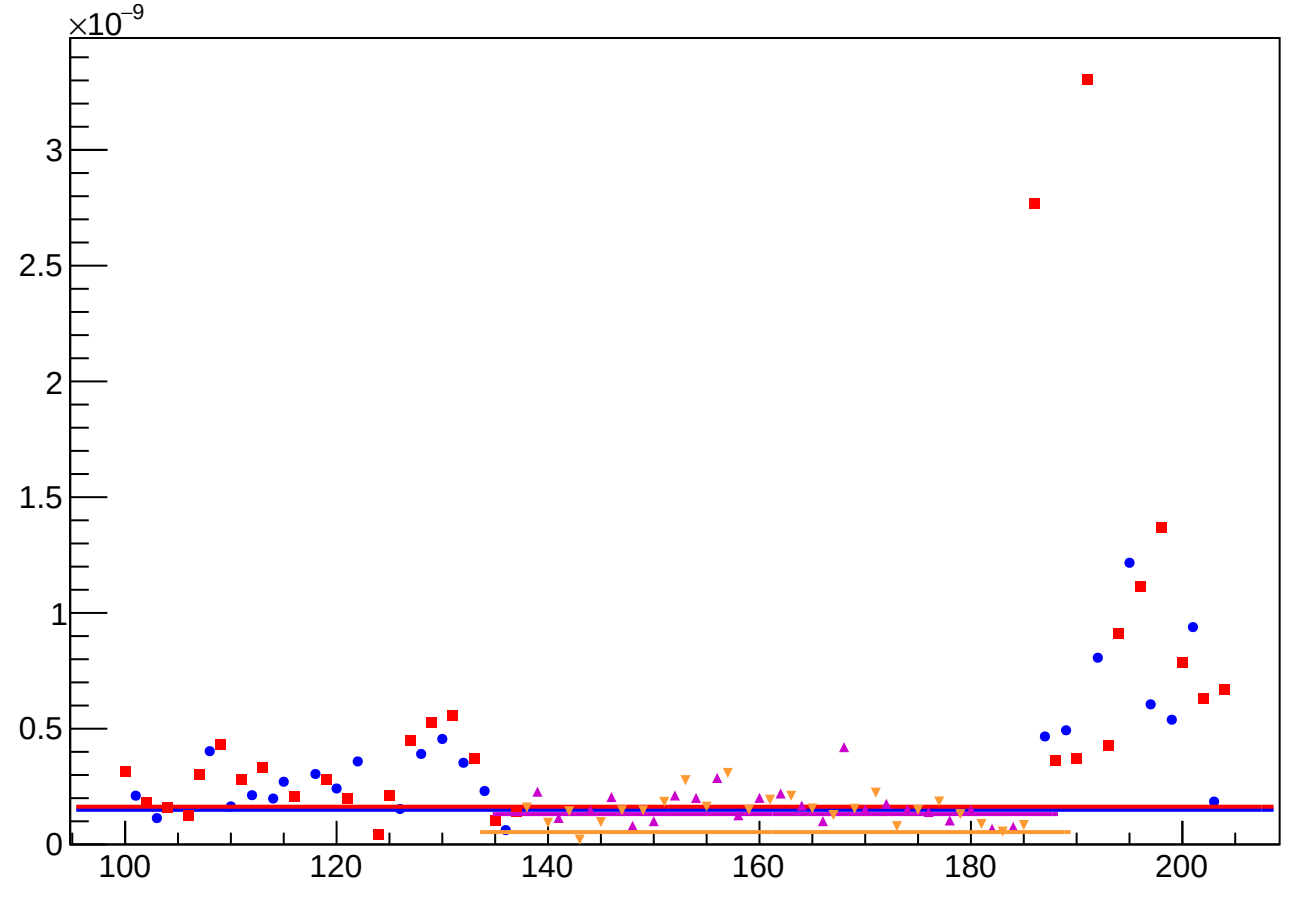
Left: 0.000+/-0.000 χ^2/NDF: 56.1/47

Right: -0.000+/-0.000 χ^2/NDF: 65.4/53

In: -0.000+/-0.000 χ^2/NDF:71.3/46

Out: 0.000+/-0.000 χ^2/NDF:46.9/54

All: -0.000+/-0.000 χ^2/NDF: 122.9/101



Right In: 0.000+/-0.000 χ^2/NDF: 4307046.3/23

Left Out: 0.000+/-0.000 χ^2/NDF:7244510.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6234287.2/29

Left In: 0.000+/-0.000 χ^2/NDF:1904207.4/22

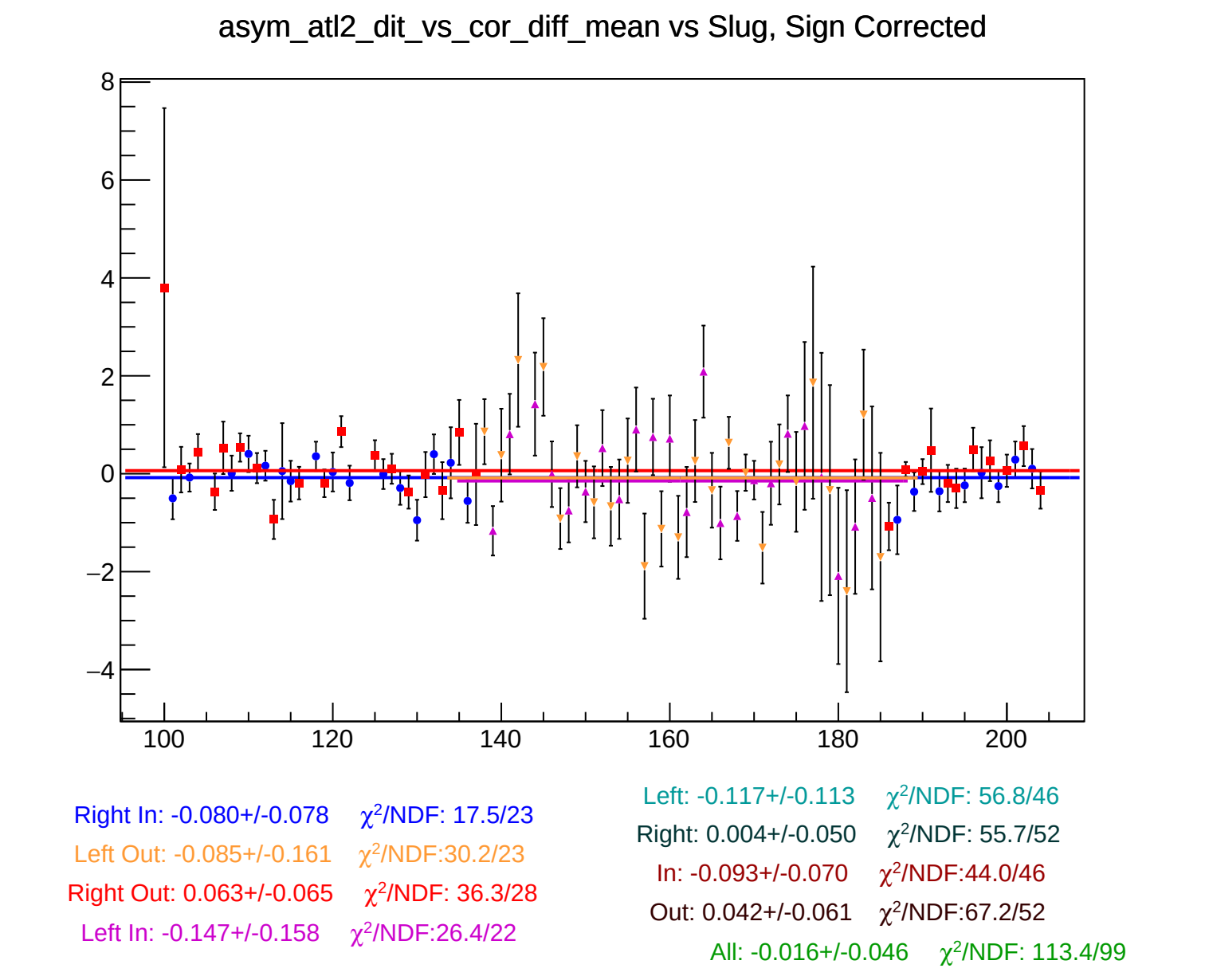
Left: 0.000+/-0.000 χ^2/NDF: 12255967.6/47

Right: 0.000+/-0.000 χ^2/NDF: 10562478.7/53

In: 0.000+/-0.000 χ^2/NDF:6270838.1/46

Out: 0.000+/-0.000 χ^2/NDF:16030782.0/54

All: 0.000+/-0.000 χ^2/NDF: 25764045.0/101


asym_atl2_dit_vs_cor_diff_mean vs Slug, Sign Corrected
8
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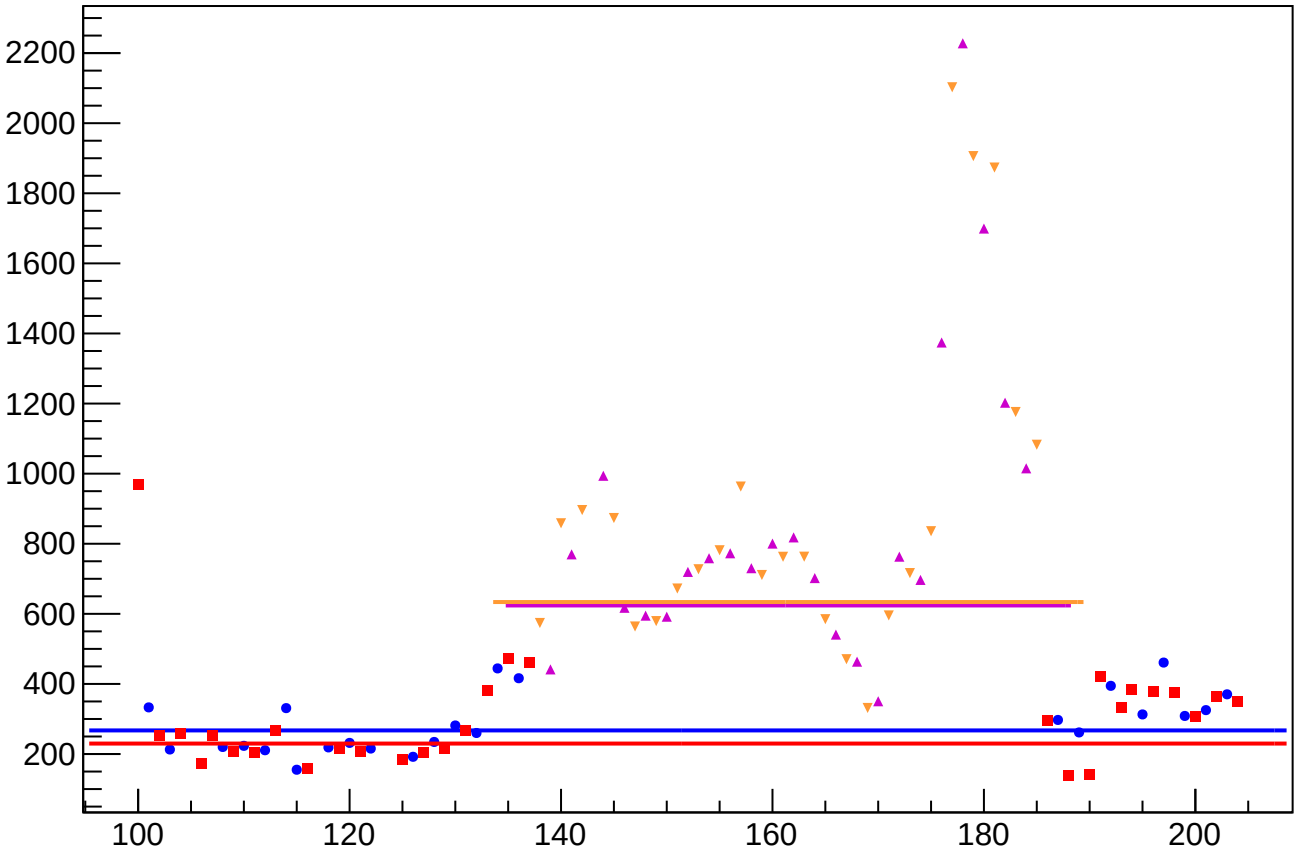
Right In: -0.080+/-0.078 χ²/NDF: 17.5/23
Left Out: -0.085+/-0.161 χ²/NDF:30.2/23
Right Out: 0.063+/-0.065 χ²/NDF: 36.3/28
Left In: -0.147+/-0.158 χ²/NDF:26.4/22
Left: -0.117+/-0.113 χ²/NDF: 56.8/46
Right: 0.004+/-0.050 χ²/NDF: 55.7/52
In: -0.093+/-0.070 χ²/NDF:44.0/46
Out: 0.042+/-0.061 χ²/NDF:67.2/52
All: -0.016+/-0.046 χ²/NDF: 113.4/99



Right In: 267.354+/-0.055 χ^2/NDF: 1718549.1/23

Left Out: 633.674+/-0.114 χ^2/NDF:4994105.8/23

Right Out: 229.841+/-0.046 χ^2/NDF: 3409094.2/28

Left In: 623.916+/-0.112 χ^2/NDF:4541431.8/22

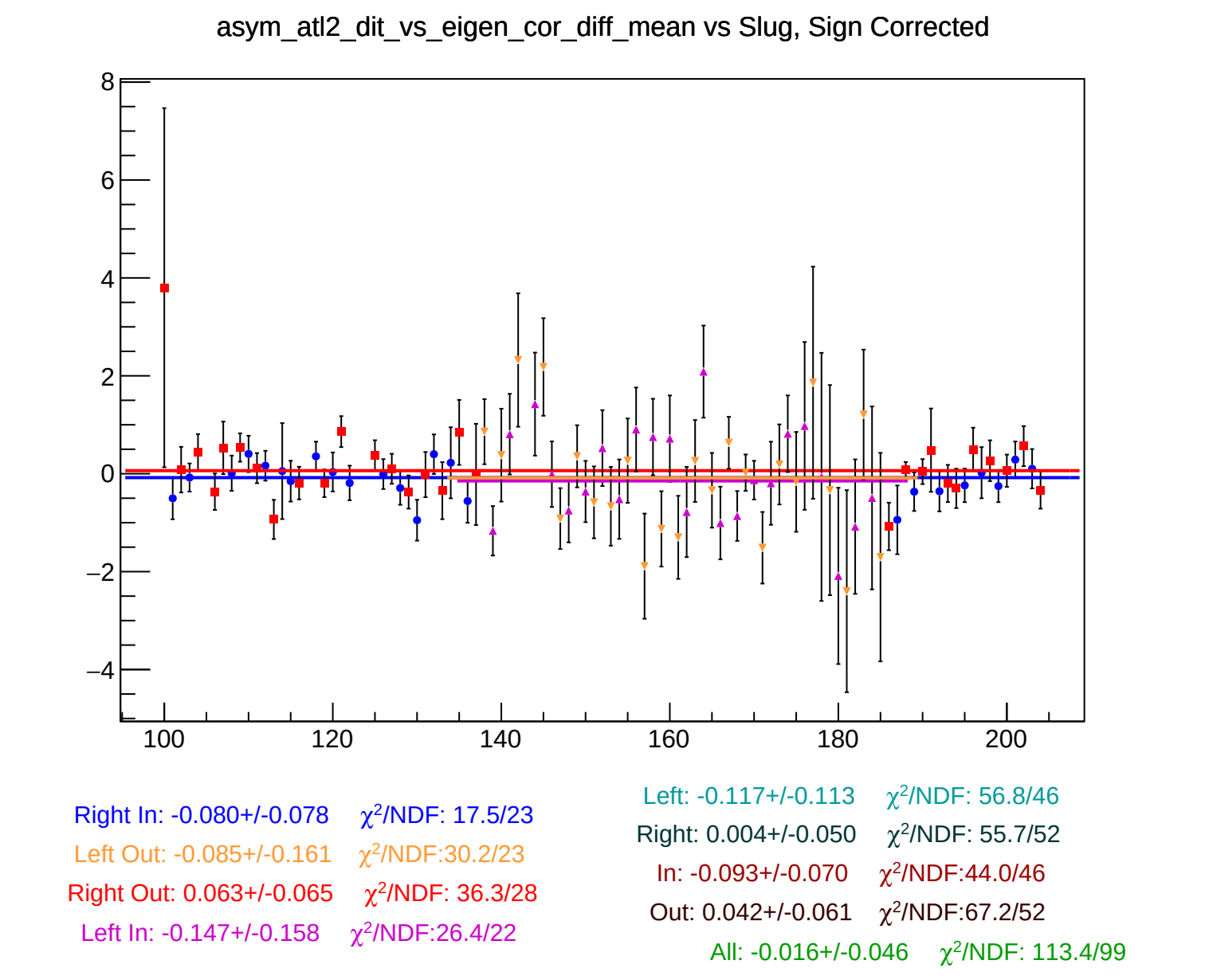
Left: 628.697+/-0.080 χ^2/NDF: 9539265.1/46

Right: 245.255+/-0.036 χ^2/NDF: 5397897.6/52

In: 337.541+/-0.050 χ^2/NDF:14418734.9/46

Out: 286.801+/-0.043 χ^2/NDF:19153630.7/52

All: 308.481+/-0.032 χ^2/NDF: 34170878.5/99


asym_atl2_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
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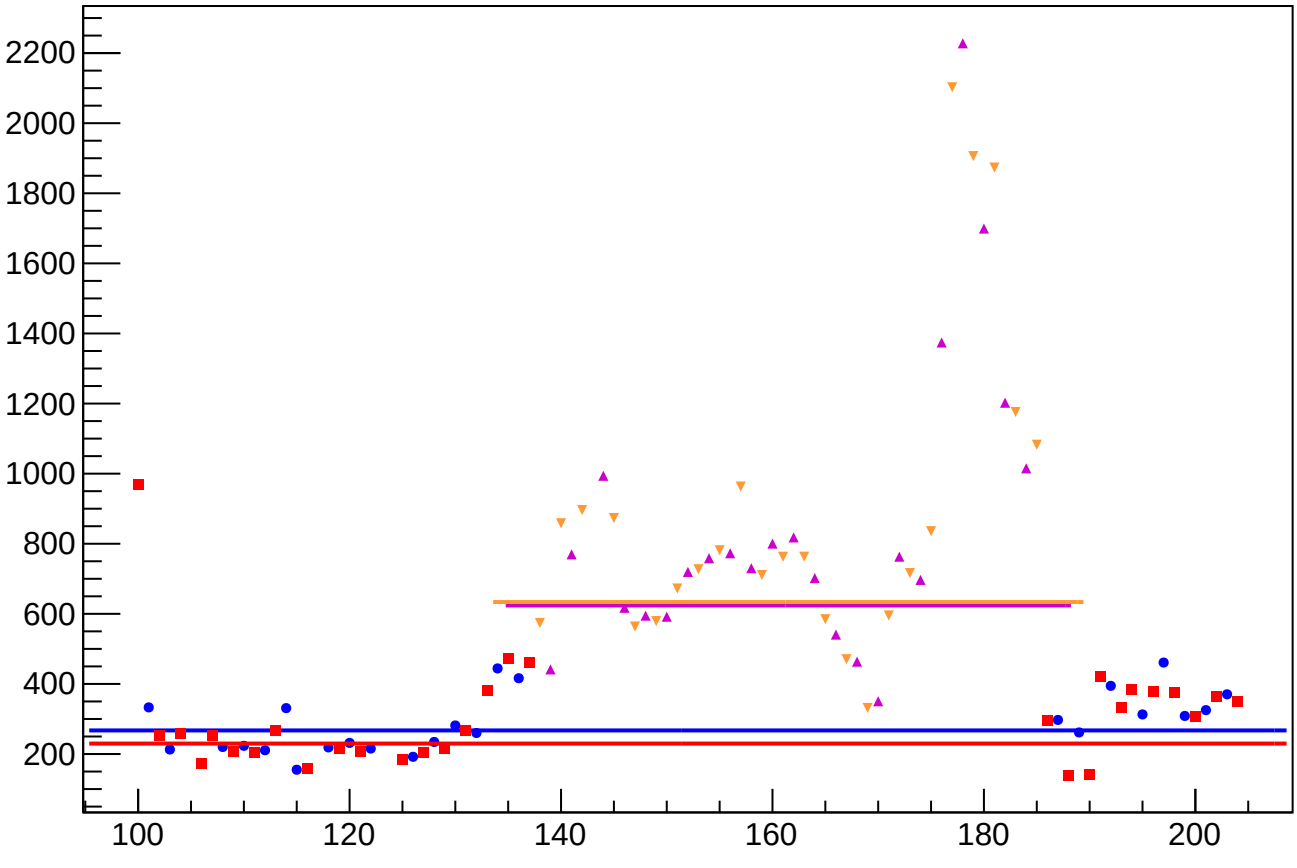
Right In: -0.080+/-0.078 χ²/NDF: 17.5/23
Left Out: -0.085+/-0.161 χ²/NDF:30.2/23
Right Out: 0.063+/-0.065 χ²/NDF: 36.3/28
Left In: -0.147+/-0.158 χ²/NDF:26.4/22
Left: -0.117+/-0.113 χ²/NDF: 56.8/46
Right: 0.004+/-0.050 χ²/NDF: 55.7/52
In: -0.093+/-0.070 χ²/NDF:44.0/46
Out: 0.042+/-0.061 χ²/NDF:67.2/52
All: -0.016+/-0.046 χ²/NDF: 113.4/99



Right In: 267.354+/-0.055 χ^2/NDF: 1718549.1/23

Left Out: 633.674+/-0.114 χ^2/NDF:4994105.8/23

Right Out: 229.841+/-0.046 χ^2/NDF: 3409094.2/28

Left In: 623.916+/-0.112 χ^2/NDF:4541431.8/22

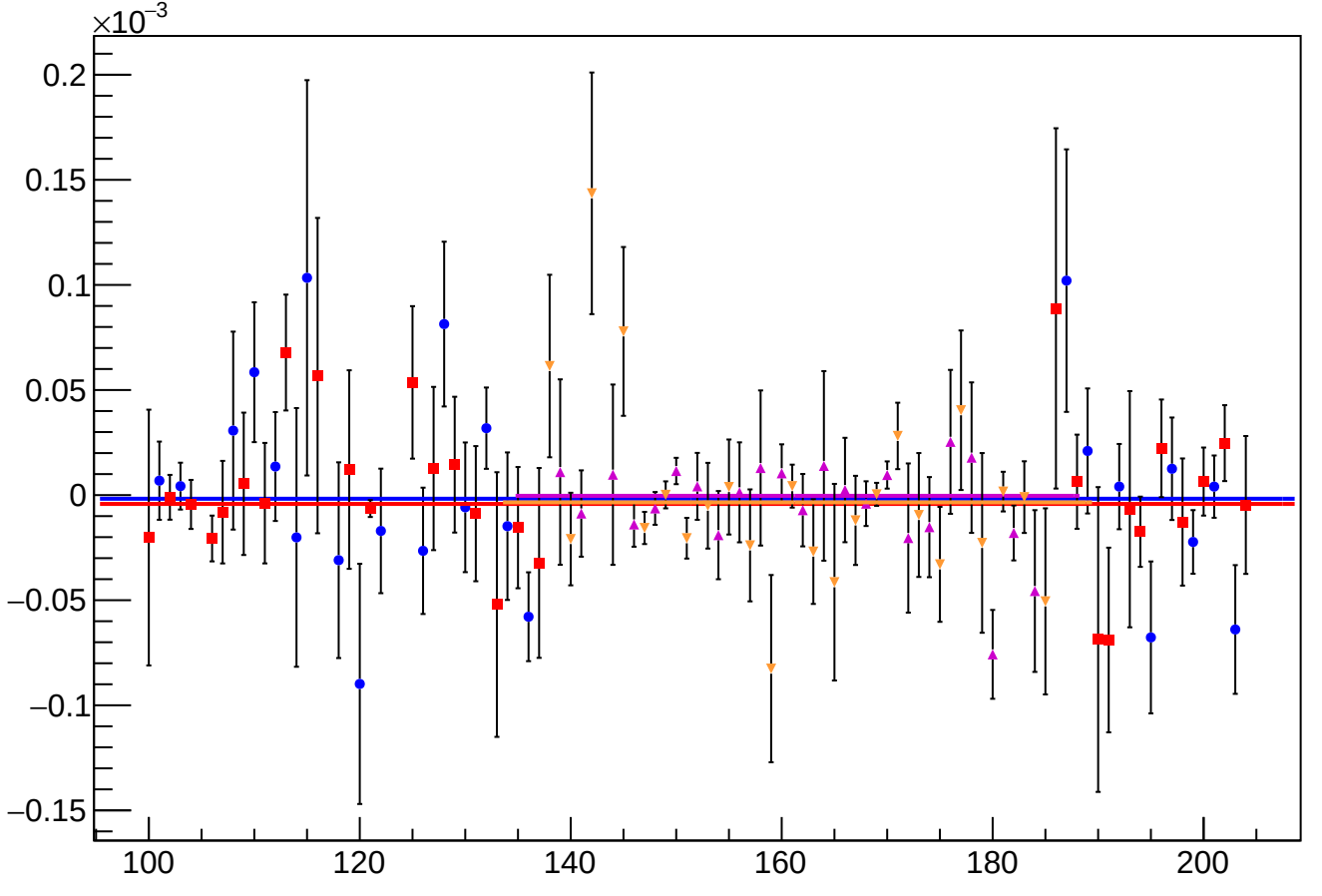
Left: 628.697+/-0.080 χ^2/NDF: 9539265.1/46

Right: 245.255+/-0.036 χ^2/NDF: 5397897.6/52

In: 337.541+/-0.050 χ^2/NDF:14418734.9/46

Out: 286.801+/-0.043 χ^2/NDF:19153630.7/52

All: 308.481+/-0.032 χ^2/NDF: 34170878.5/99



Right In: -0.000+/-0.000 χ^2/NDF: 37.6/23

Left Out: -0.000+/-0.000 χ^2/NDF:34.3/23

Right Out: -0.000+/-0.000 χ^2/NDF: 24.0/28

Left In: -0.000+/-0.000 χ^2/NDF:27.9/22

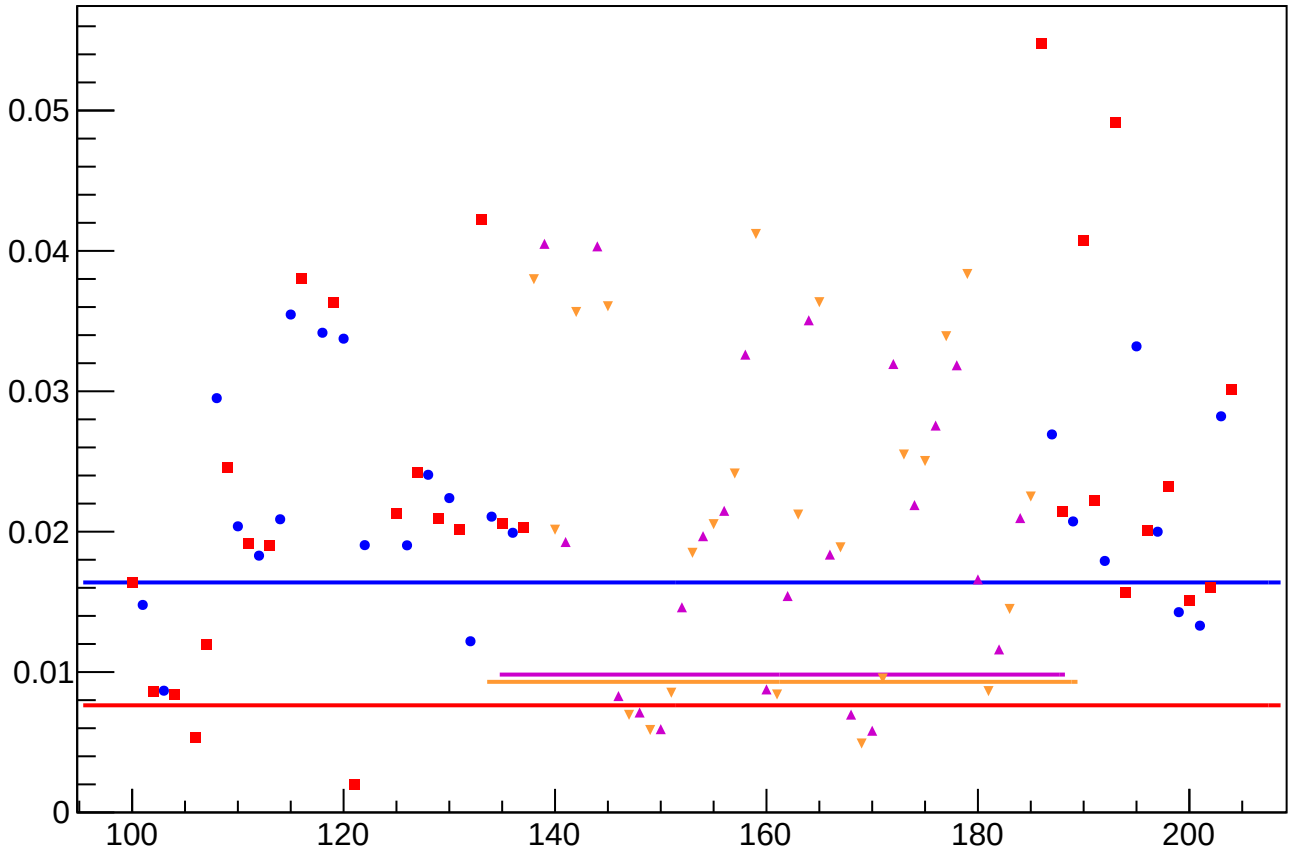
Left: -0.000+/-0.000 χ^2/NDF: 62.8/46

Right: -0.000+/-0.000 χ^2/NDF: 61.8/52

In: -0.000+/-0.000 χ^2/NDF:65.6/46

Out: -0.000+/-0.000 χ^2/NDF:58.3/52

All: -0.000+/-0.000 χ^2/NDF: 124.8/99



Right In: 0.016+/-0.000 χ^2/NDF: 3118258.3/23

Left Out: 0.009+/-0.000 χ^2/NDF:12224529.3/23

Right Out: 0.008+/-0.000 χ^2/NDF: 15274801.9/28

Left In: 0.010+/-0.000 χ^2/NDF:10307261.6/22

Left: 0.010+/-0.000 χ^2/NDF: 22565208.8/46

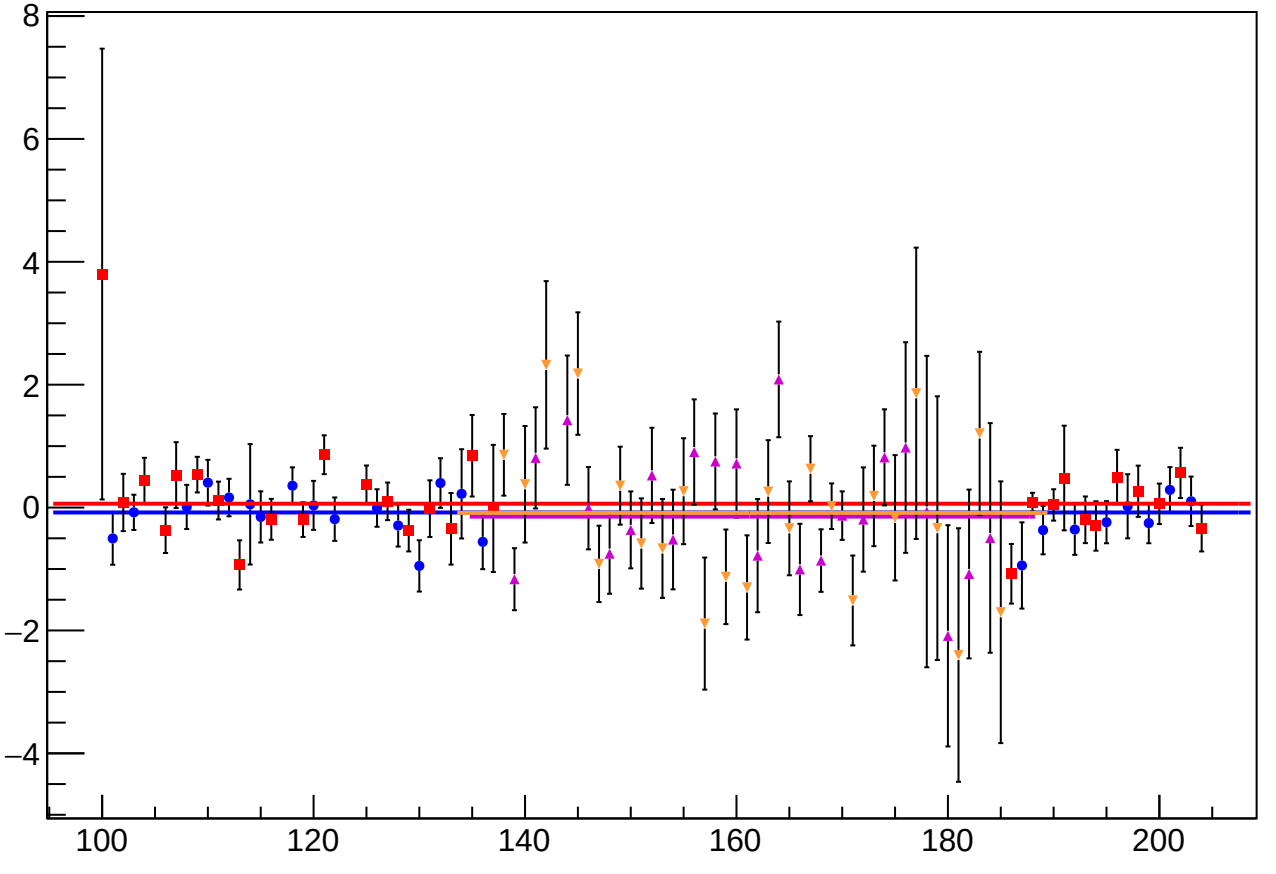
Right: 0.010+/-0.000 χ^2/NDF: 23012646.3/52

In: 0.011+/-0.000 χ^2/NDF:16046726.1/46

Out: 0.009+/-0.000 χ^2/NDF:27843297.0/52

All: 0.010+/-0.000 χ^2/NDF: 45604627.0/99

asym_atl2_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.080+/-0.078 χ^2/NDF: 17.5/23

Left Out: -0.085+/-0.161 χ^2/NDF:30.2/23

Right Out: 0.063+/-0.065 χ^2/NDF: 36.3/28

Left In: -0.147+/-0.158 χ^2/NDF:26.4/22

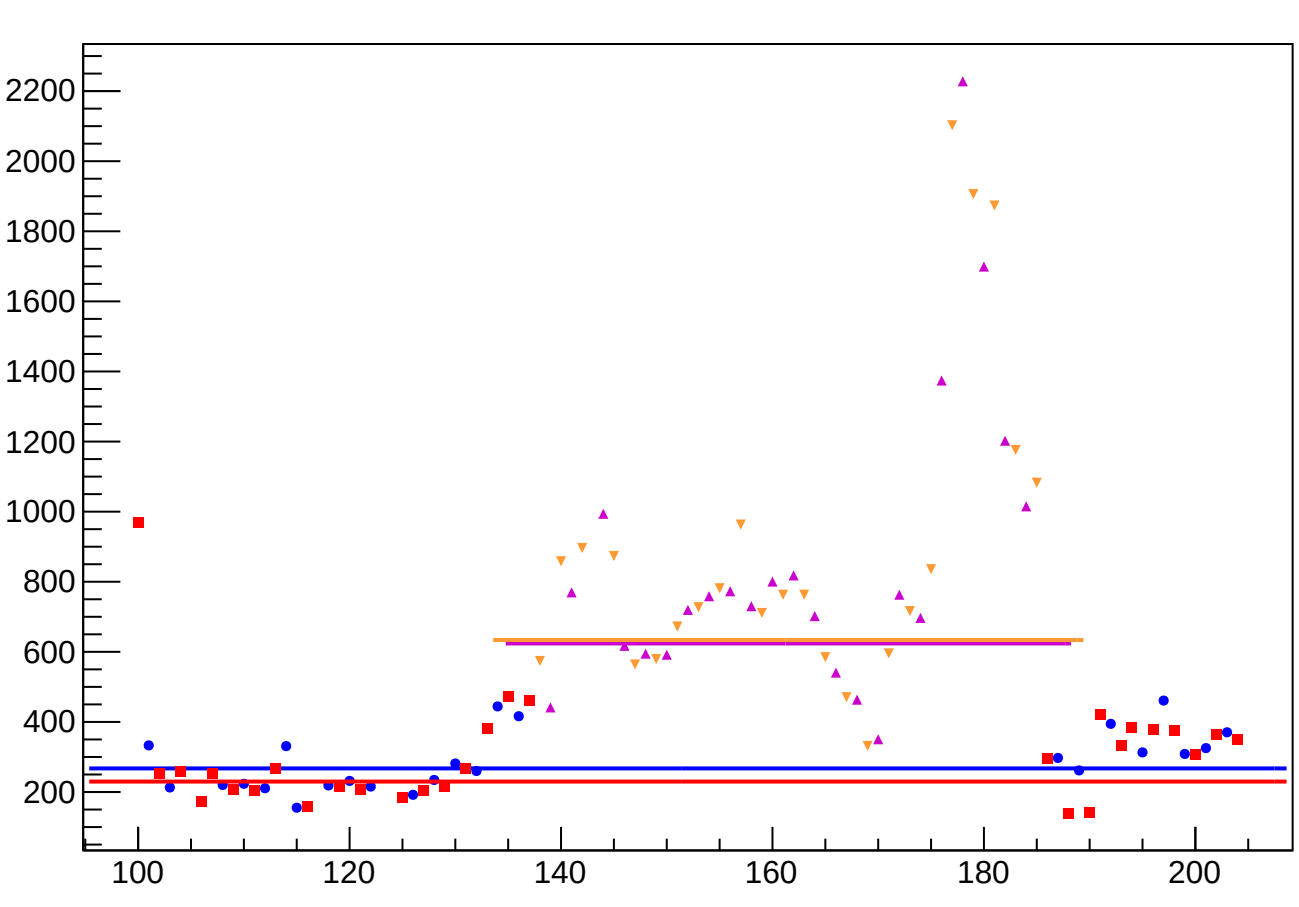
Left: -0.117+/-0.113 χ^2/NDF: 56.8/46

Right: 0.004+/-0.050 χ^2/NDF: 55.7/52

In: -0.093+/-0.070 χ^2/NDF:44.0/46

Out: 0.042+/-0.061 χ^2/NDF:67.2/52

All: -0.016+/-0.046 χ^2/NDF: 113.4/99


asym_atl2_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected
2200
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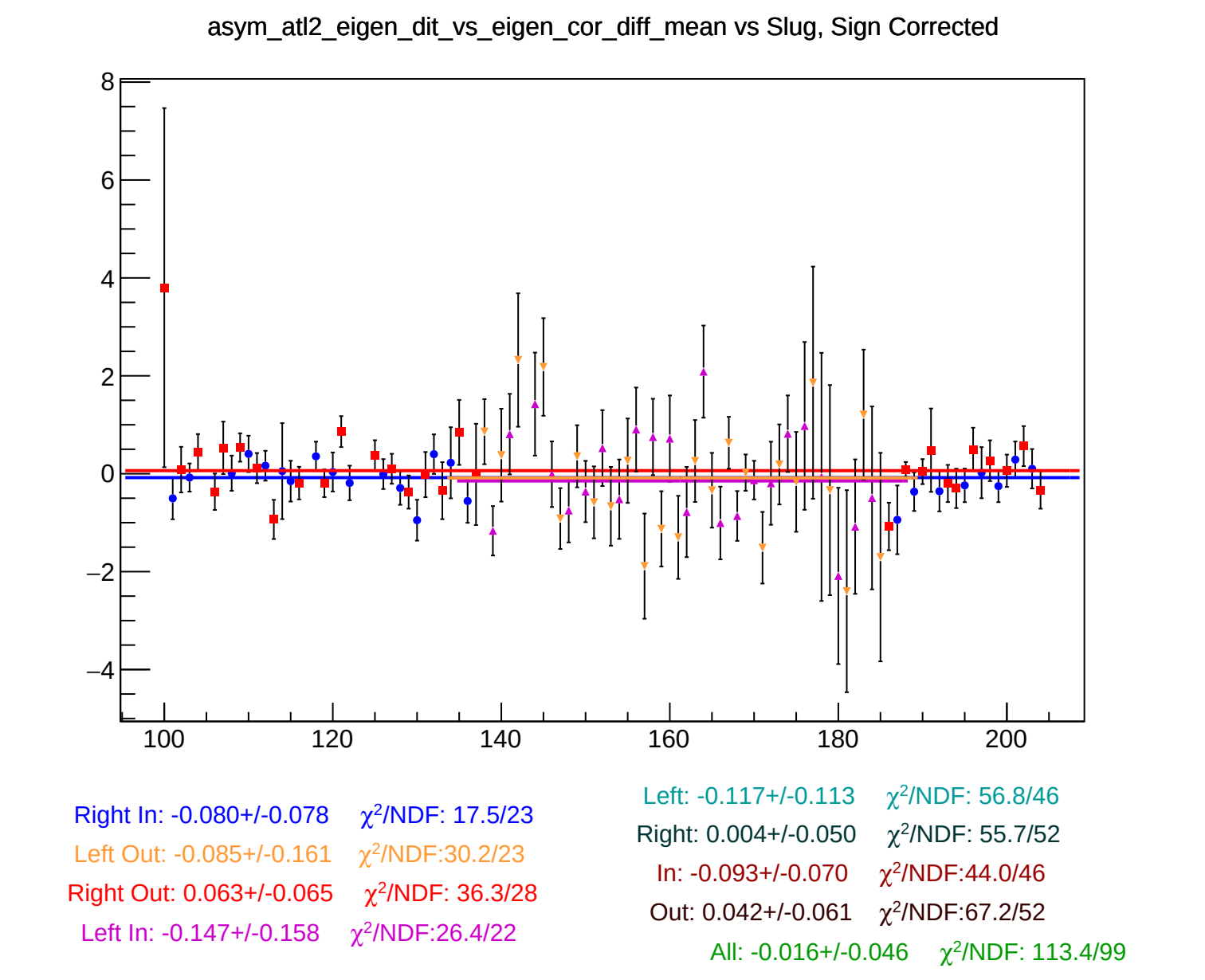
Right In: 267.355+/-0.055 χ²/NDF: 1718533.1/23
Left Out: 633.678+/-0.114 χ²/NDF:4994172.5/23
Right Out: 229.838+/-0.046 χ²/NDF: 3409258.4/28
Left In: 623.922+/-0.112 χ²/NDF:4541413.9/22
Left: 628.702+/-0.080 χ²/NDF: 9539311.9/46
Right: 245.254+/-0.036 χ²/NDF: 5398093.4/52
In: 337.542+/-0.050 χ²/NDF:14418796.8/46
Out: 286.799+/-0.043 χ²/NDF:19154071.6/52
All: 308.480+/-0.032 χ²/NDF: 34171474.0/99


asym_atl2_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
8
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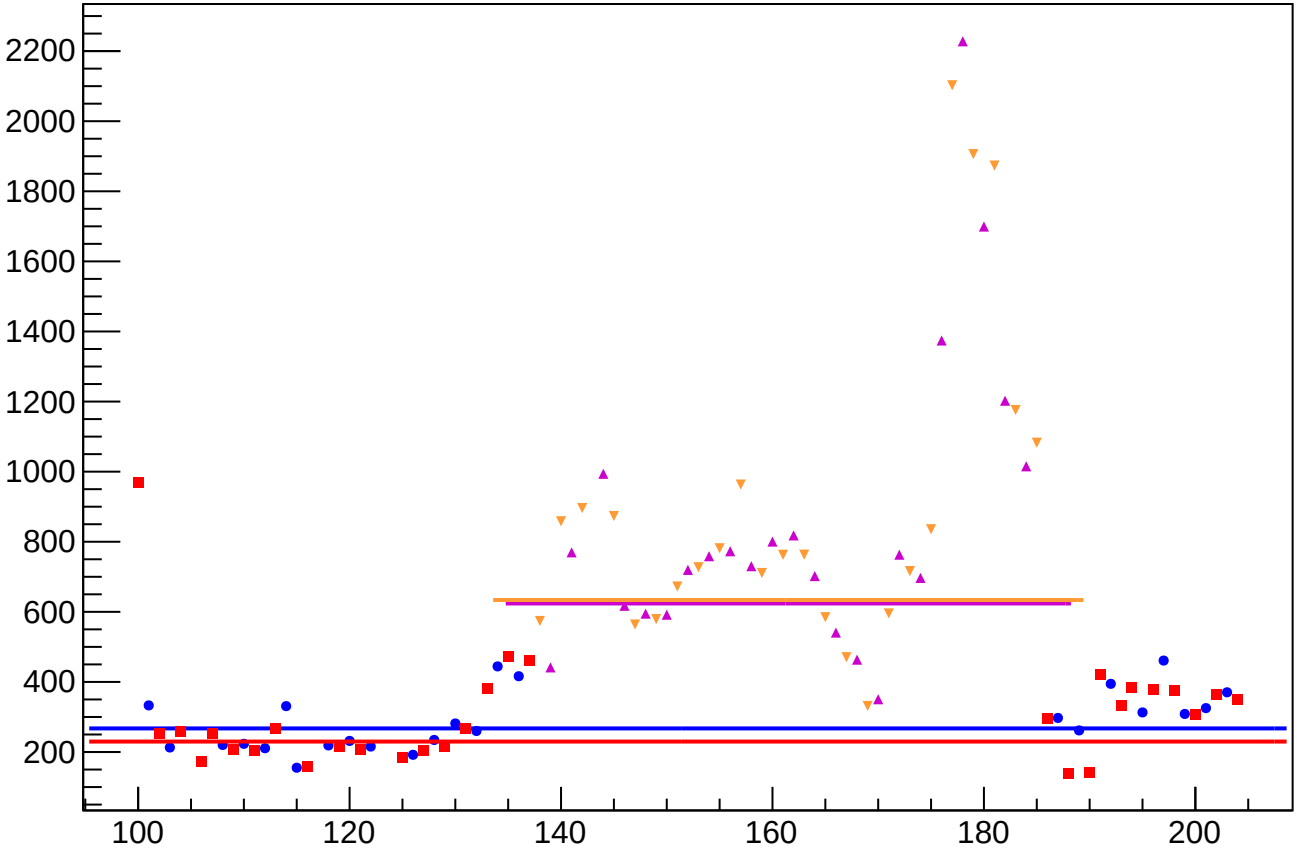
Right In: -0.080+/-0.078 χ²/NDF: 17.5/23
Left Out: -0.085+/-0.161 χ²/NDF:30.2/23
Right Out: 0.063+/-0.065 χ²/NDF: 36.3/28
Left In: -0.147+/-0.158 χ²/NDF:26.4/22
Left: -0.117+/-0.113 χ²/NDF: 56.8/46
Right: 0.004+/-0.050 χ²/NDF: 55.7/52
In: -0.093+/-0.070 χ²/NDF:44.0/46
Out: 0.042+/-0.061 χ²/NDF:67.2/52
All: -0.016+/-0.046 χ²/NDF: 113.4/99

asym_atl2_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 267.355+/-0.055 χ^2/NDF: 1718533.1/23

Left Out: 633.678+/-0.114 χ^2/NDF:4994172.5/23

Right Out: 229.838+/-0.046 χ^2/NDF: 3409258.4/28

Left In: 623.922+/-0.112 χ^2/NDF:4541413.9/22

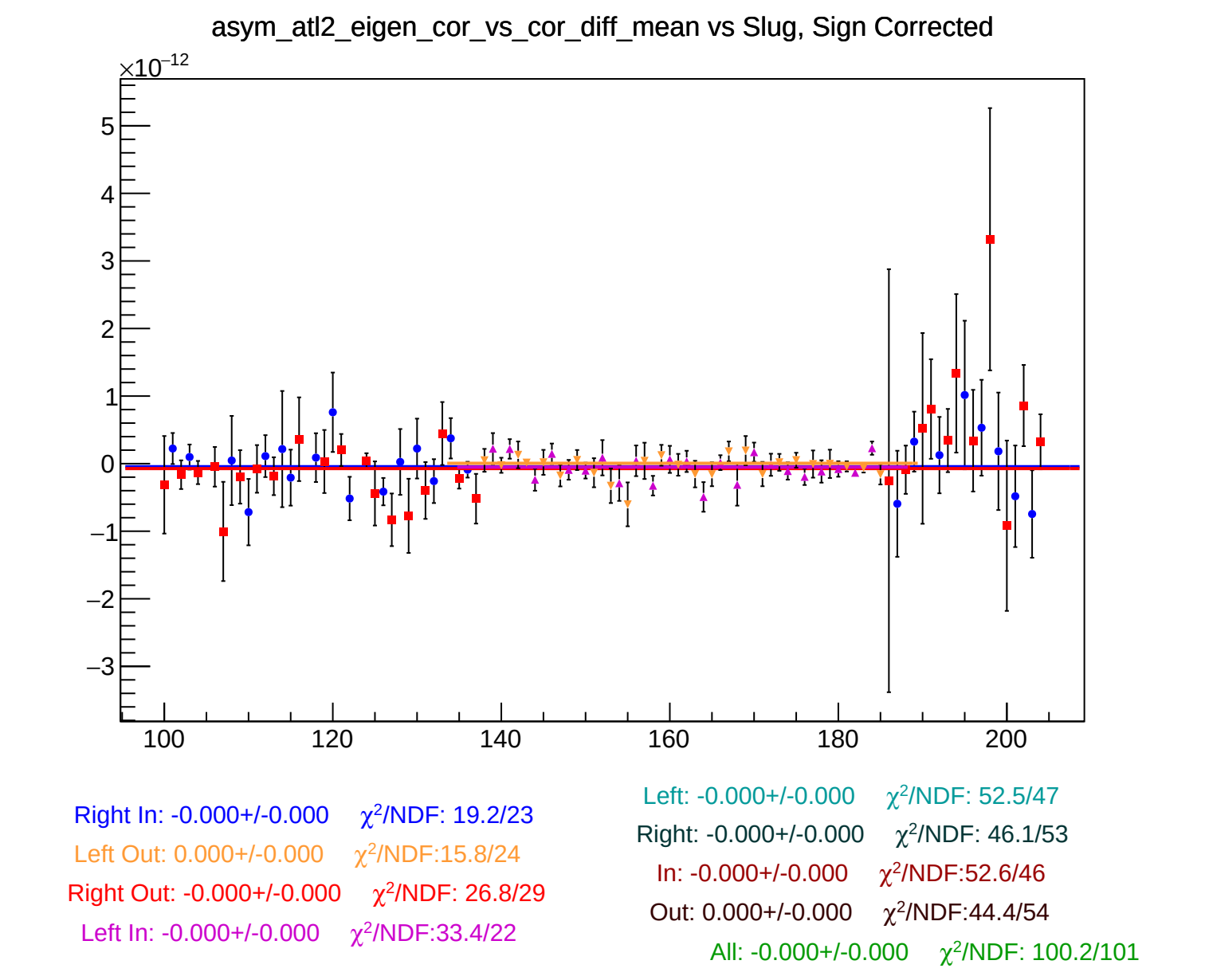
Left: 628.702+/-0.080 χ^2/NDF: 9539311.9/46

Right: 245.254+/-0.036 χ^2/NDF: 5398093.4/52

In: 337.542+/-0.050 χ^2/NDF:14418796.8/46

Out: 286.799+/-0.043 χ^2/NDF:19154071.6/52

All: 308.480+/-0.032 χ^2/NDF: 34171474.0/99


asym_atl2_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
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0
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160
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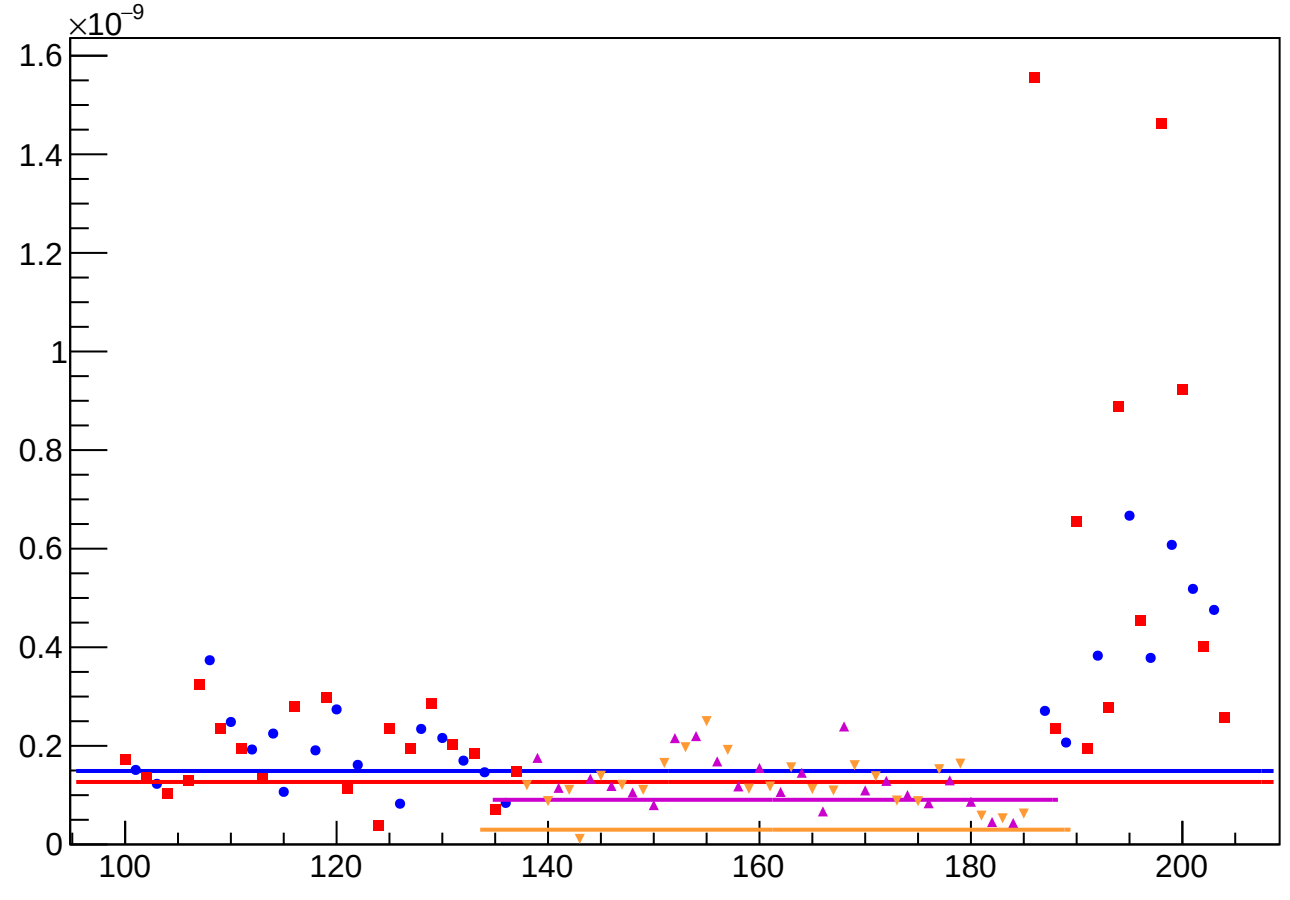
200
Right In: -0.000+/-0.000 χ²/NDF: 19.2/23
Left Out: 0.000+/-0.000 χ²/NDF:15.8/24
Right Out: -0.000+/-0.000 χ²/NDF: 26.8/29
Left In: -0.000+/-0.000 χ²/NDF:33.4/22
Left: -0.000+/-0.000 χ²/NDF: 52.5/47
Right: -0.000+/-0.000 χ²/NDF: 46.1/53
In: -0.000+/-0.000 χ²/NDF:52.6/46
Out: 0.000+/-0.000 χ²/NDF:44.4/54
All: -0.000+/-0.000 χ²/NDF: 100.2/101



Right In: 0.000+/-0.000 χ^2/NDF: 4118076.6/23

Left Out: 0.000+/-0.000 χ^2/NDF:17263498.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7584194.8/29

Left In: 0.000+/-0.000 χ^2/NDF:4716343.8/22

Left: 0.000+/-0.000 χ^2/NDF: 29587513.4/47

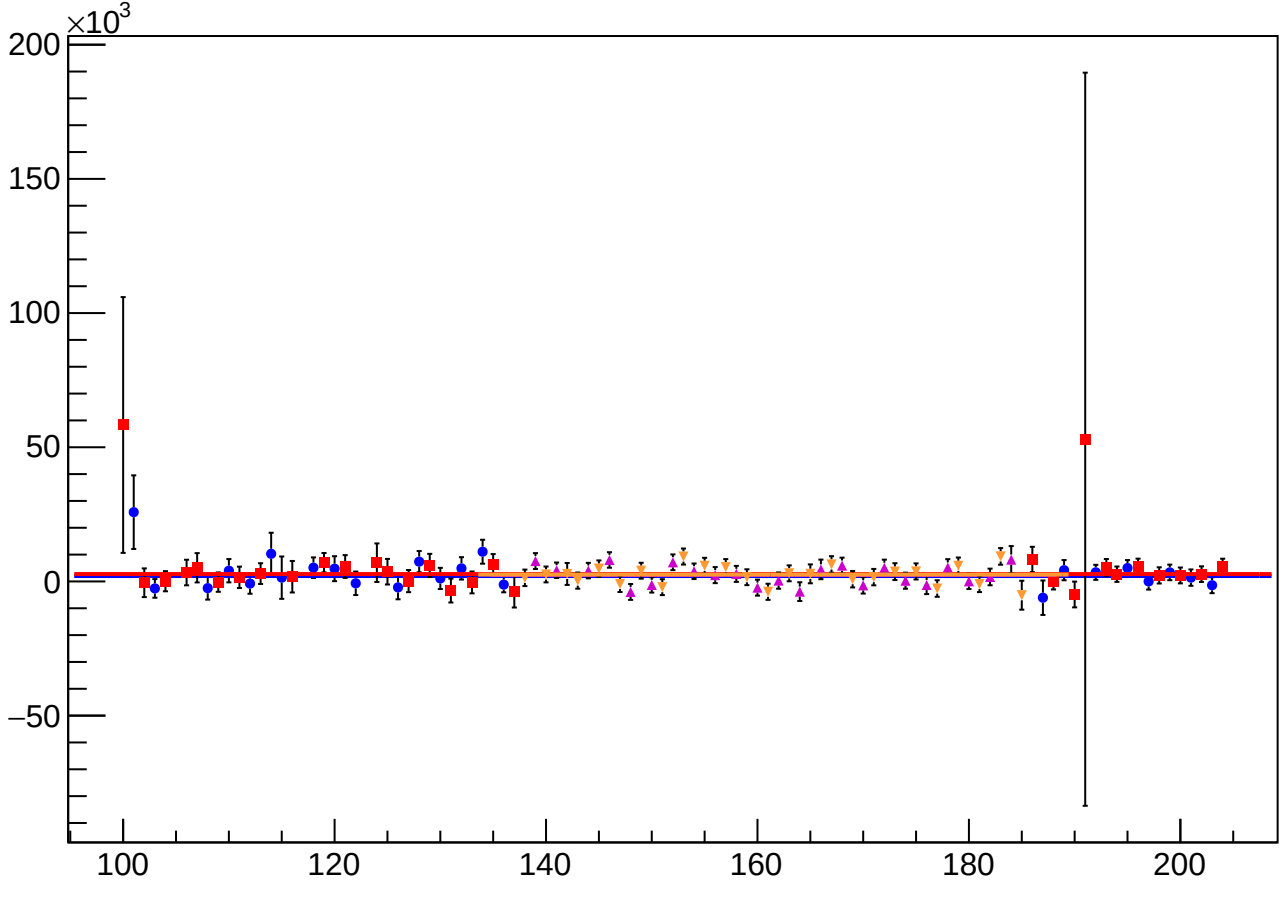
Right: 0.000+/-0.000 χ^2/NDF: 11836797.4/53

In: 0.000+/-0.000 χ^2/NDF:10204519.2/46

Out: 0.000+/-0.000 χ^2/NDF:30406784.7/54

All: 0.000+/-0.000 χ^2/NDF: 50573621.5/101

reg_asym_atr1_mean vs Slug, Sign Corrected



Right In: 2014.739+/-776.941 χ^2/NDF: 23.0/23

Left Out: 2556.827+/-621.829 χ^2/NDF:31.6/24

Right Out: 2749.362+/-721.849 χ^2/NDF: 18.0/29

Left In: 2408.320+/-639.726 χ^2/NDF:31.4/22

Left: 2484.680+/-445.893 χ^2/NDF: 63.0/47

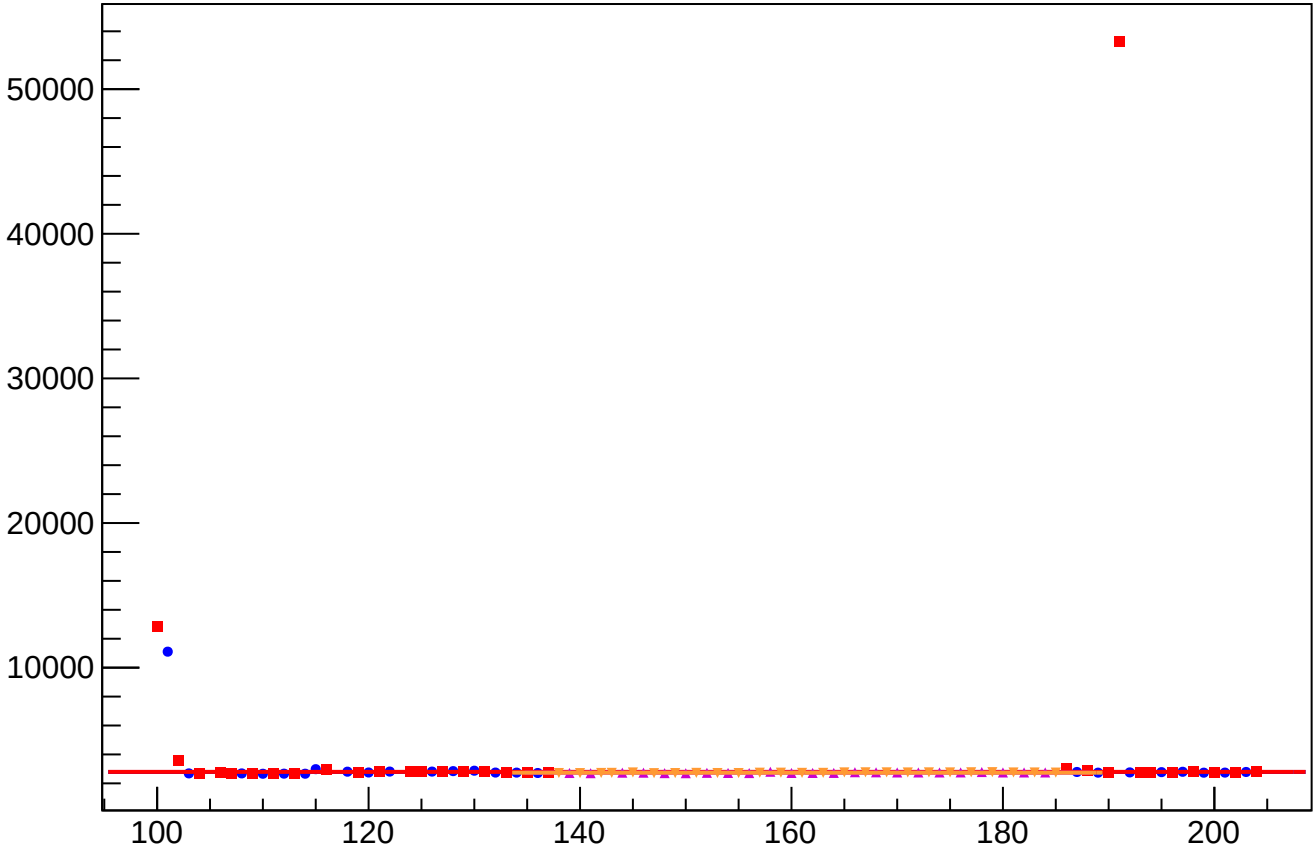
Right: 2409.017+/-528.829 χ^2/NDF: 41.5/53

In: 2249.296+/-493.858 χ^2/NDF:54.5/46

Out: 2638.842+/-471.126 χ^2/NDF:49.6/54

All: 2453.240+/-340.889 χ^2/NDF: 104.5/101

reg_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2786.333+/-0.549 χ^2/NDF: 748395.7/23

Left Out: 2737.519+/-0.440 χ^2/NDF:2317.5/24

Right Out: 2793.345+/-0.510 χ^2/NDF: 479217.6/29

Left In: 2739.863+/-0.452 χ^2/NDF:3362.0/22

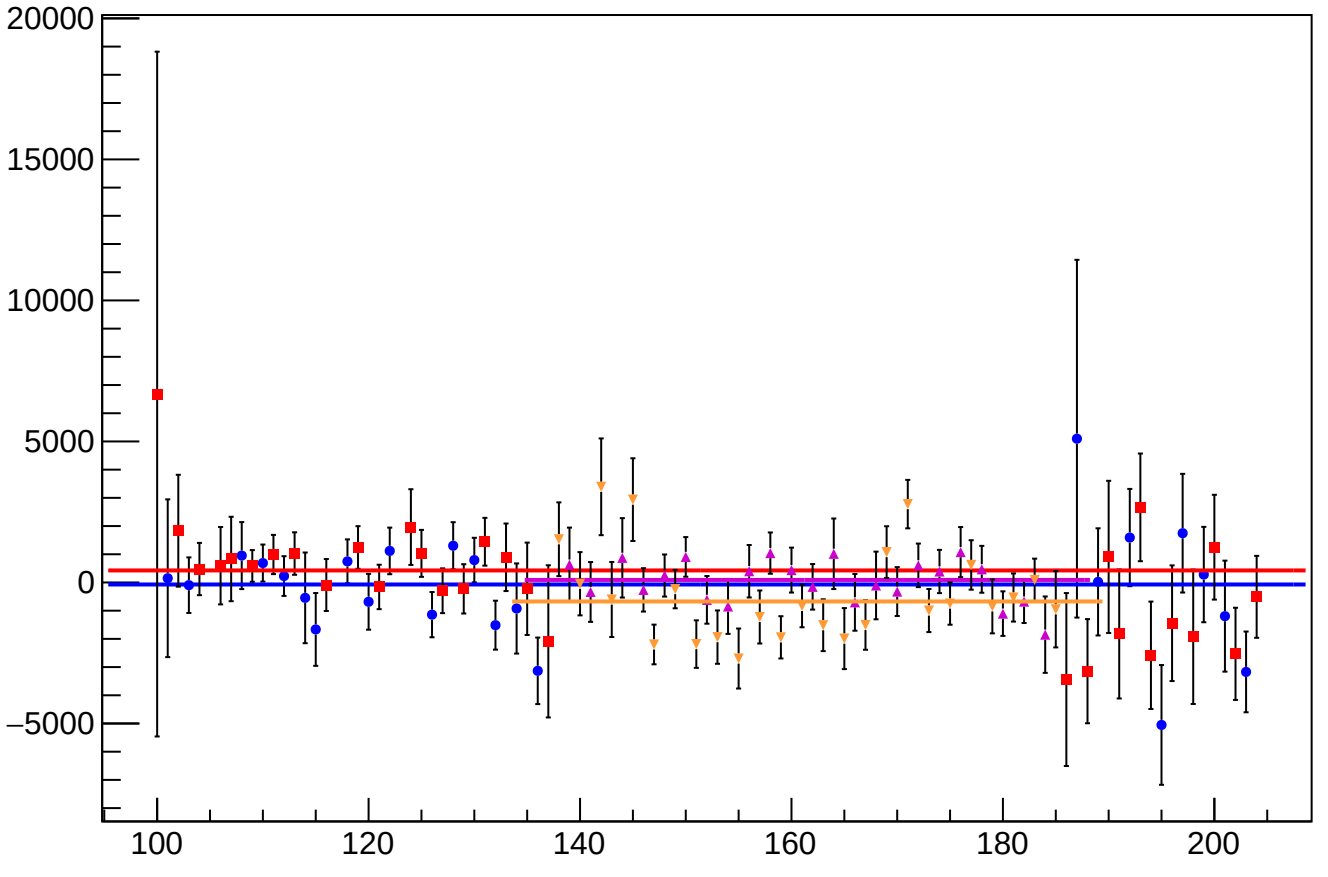
Left: 2738.658+/-0.315 χ^2/NDF: 5693.3/47

Right: 2790.097+/-0.374 χ^2/NDF: 1227700.7/53

In: 2758.639+/-0.349 χ^2/NDF:756021.7/46

Out: 2761.299+/-0.333 χ^2/NDF:488401.8/54

All: 2760.032+/-0.241 χ^2/NDF: 1244453.9/10



Right In: -71.520+/-220.723 χ^2/NDF: 35.8/23

Left Out: -673.693+/-181.230 χ^2/NDF:58.4/24

Right Out: 426.703+/-202.967 χ^2/NDF: 26.0/29

Left In: 89.519+/-183.491 χ^2/NDF:14.8/22

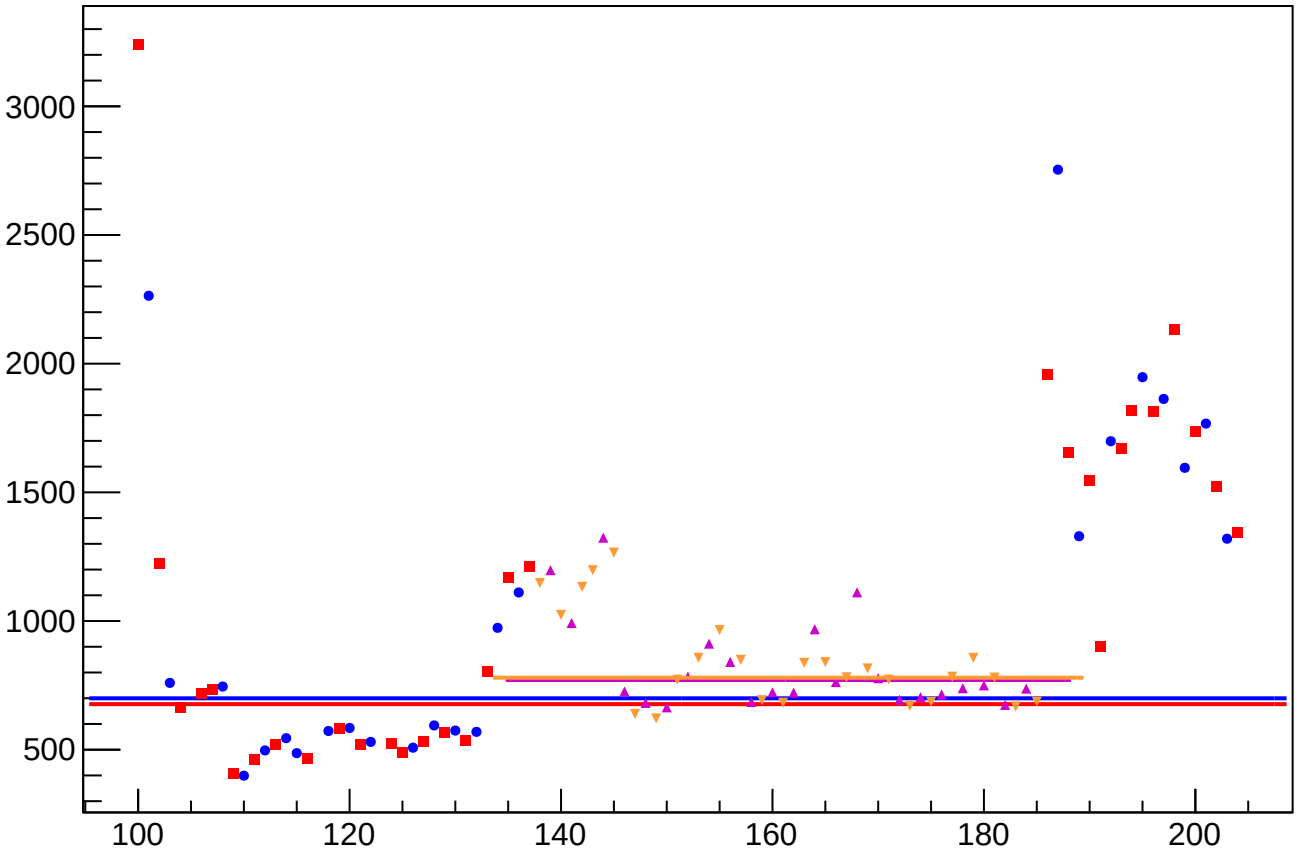
Left: -296.818+/-128.941 χ^2/NDF: 81.9/47

Right: 198.434+/-149.403 χ^2/NDF: 64.6/53

In: 23.708+/-141.101 χ^2/NDF:50.9/46

Out: -185.553+/-135.183 χ^2/NDF:100.7/54

All: -85.403+/-97.614 χ^2/NDF: 152.8/101



Right In: 699.690+/-0.156 χ^2/NDF: 5929668.0/23

Left Out: 779.715+/-0.128 χ^2/NDF:1243743.5/24

Right Out: 676.992+/-0.144 χ^2/NDF: 7127010.8/29

Left In: 770.795+/-0.130 χ^2/NDF:1076354.9/22

Left: 775.310+/-0.091 χ^2/NDF: 2322491.0/47

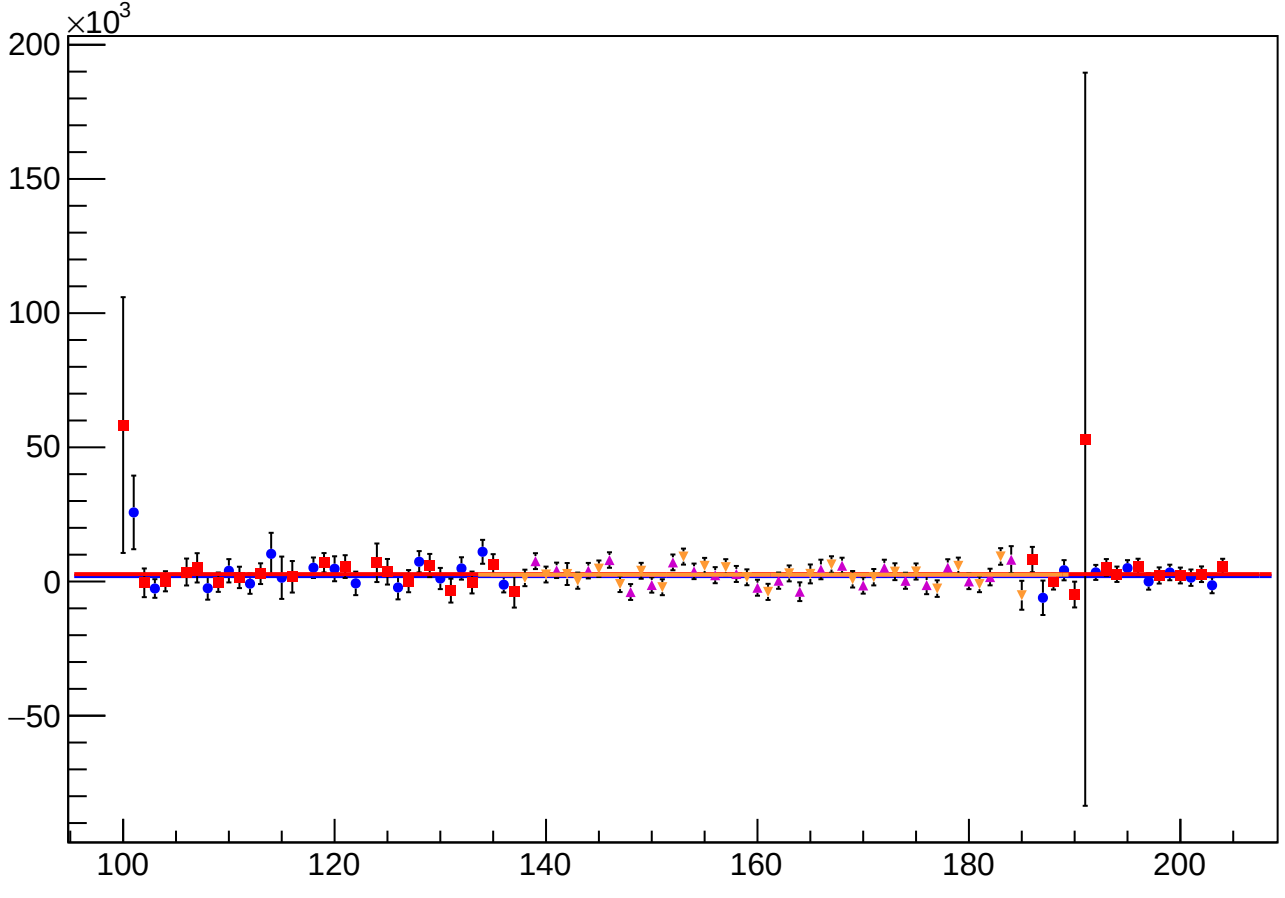
Right: 687.392+/-0.106 χ^2/NDF: 13068138.7/53

In: 741.737+/-0.100 χ^2/NDF:7128757.2/46

Out: 734.147+/-0.096 χ^2/NDF:8655788.9/54

All: 737.779+/-0.069 χ^2/NDF: 15787563.4/10

cor_asym_atr1_mean vs Slug, Sign Corrected



Right In: 2014.417+/-776.941 χ^2/NDF: 23.0/23

Left Out: 2556.787+/-621.829 χ^2/NDF:31.6/24

Right Out: 2752.951+/-722.656 χ^2/NDF: 18.0/29

Left In: 2408.461+/-639.726 χ^2/NDF:31.4/22

Left: 2484.728+/-445.893 χ^2/NDF: 63.0/47

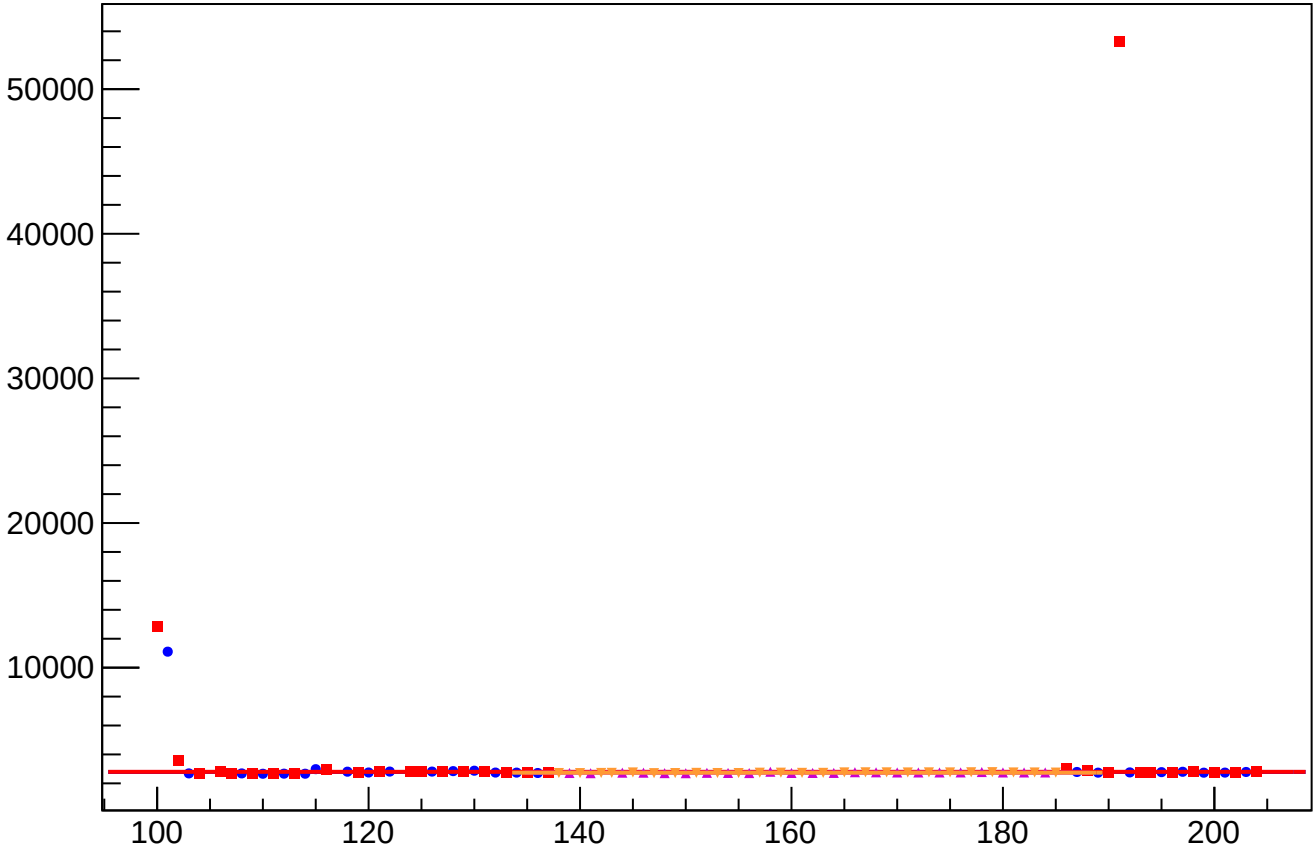
Right: 2410.384+/-529.146 χ^2/NDF: 41.5/53

In: 2249.251+/-493.858 χ^2/NDF:54.5/46

Out: 2640.241+/-471.350 χ^2/NDF:49.6/54

All: 2453.858+/-340.974 χ^2/NDF: 104.5/101

cor_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2786.333+/-0.549 χ^2/NDF: 748394.8/23

Left Out: 2737.519+/-0.440 χ^2/NDF:2317.5/24

Right Out: 2795.943+/-0.511 χ^2/NDF: 478900.8/29

Left In: 2739.863+/-0.452 χ^2/NDF:3362.0/22

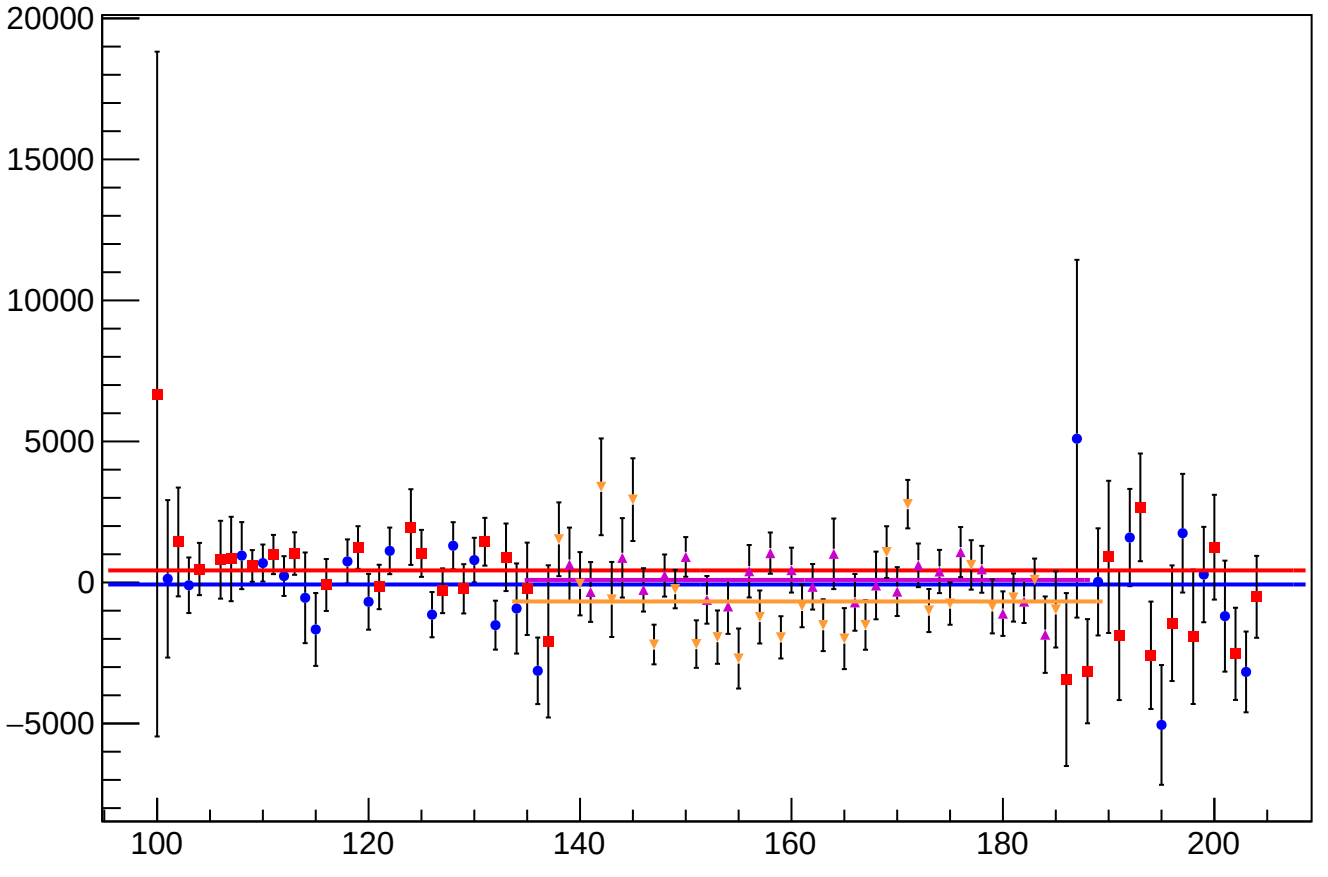
Left: 2738.658+/-0.315 χ^2/NDF: 5693.3/47

Right: 2791.485+/-0.374 χ^2/NDF: 1227459.6/53

In: 2758.639+/-0.349 χ^2/NDF:756020.8/46

Out: 2762.374+/-0.333 χ^2/NDF:488729.3/54

All: 2760.594+/-0.241 χ^2/NDF: 1244809.9/10



Right In: -71.550+/-220.713 χ^2/NDF: 35.8/23

Left Out: -673.608+/-181.230 χ^2/NDF:58.4/24

Right Out: 427.523+/-202.935 χ^2/NDF: 25.9/29

Left In: 89.643+/-183.492 χ^2/NDF:14.8/22

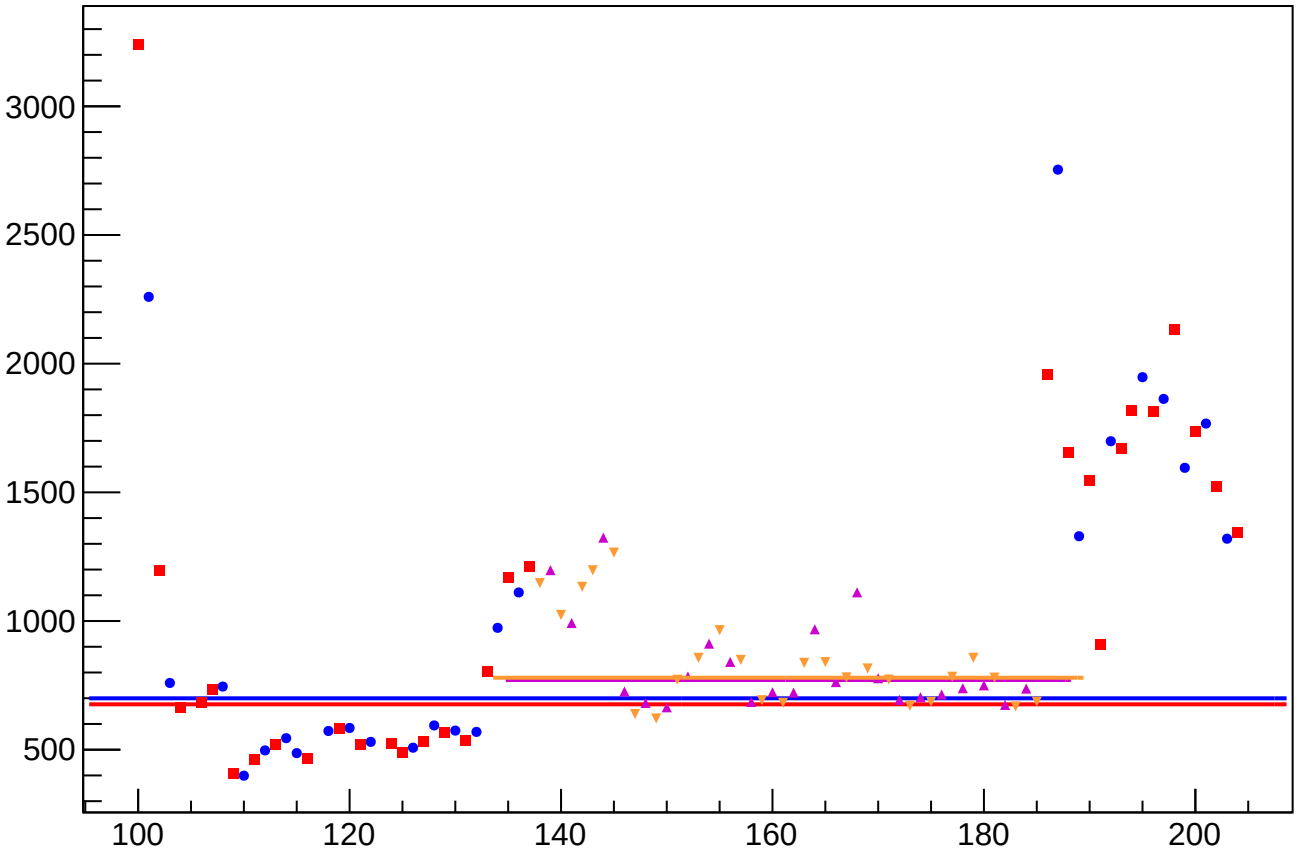
Left: -296.716+/-128.941 χ^2/NDF: 81.9/47

Right: 198.893+/-149.387 χ^2/NDF: 64.5/53

In: 23.765+/-141.099 χ^2/NDF:50.9/46

Out: -185.057+/-135.174 χ^2/NDF:100.6/54

All: -85.122+/-97.610 χ^2/NDF: 152.7/101



Right In: 699.679+/-0.156 χ^2/NDF: 5928763.7/23

Left Out: 779.713+/-0.128 χ^2/NDF:1243769.6/24

Right Out: 676.326+/-0.143 χ^2/NDF: 7121008.7/29

Left In: 770.799+/-0.130 χ^2/NDF:1076291.1/22

Left: 775.311+/-0.091 χ^2/NDF: 2322450.1/47

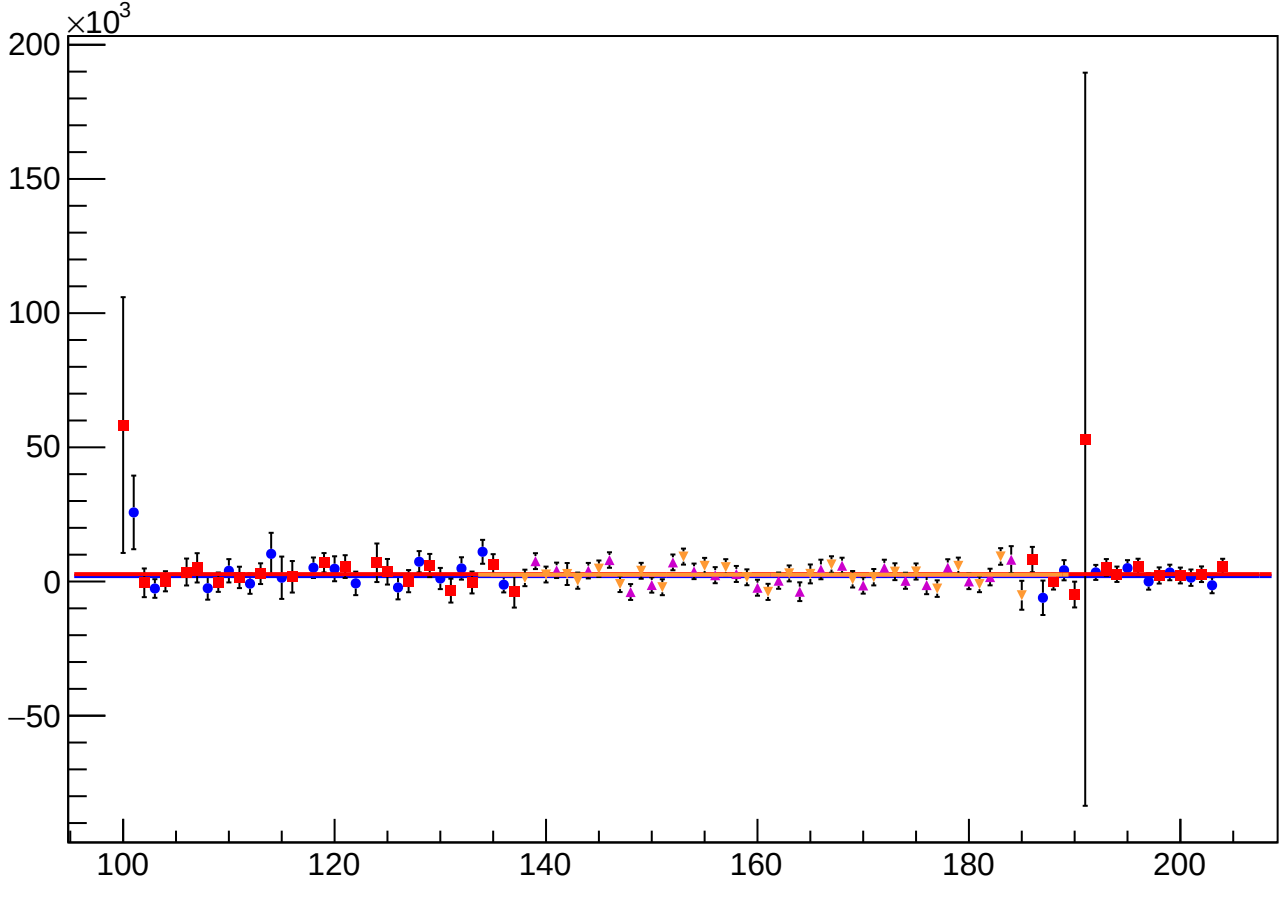
Right: 687.024+/-0.106 χ^2/NDF: 13061905.1/53

In: 741.733+/-0.100 χ^2/NDF:7127847.5/46

Out: 733.842+/-0.096 χ^2/NDF:8653560.4/54

All: 737.618+/-0.069 χ^2/NDF: 15784669.3/10

eigen_cor_asym_atr1_mean vs Slug, Sign Corrected



Right In: 2014.417+/-776.941 χ^2/NDF: 23.0/23

Left Out: 2556.787+/-621.829 χ^2/NDF:31.6/24

Right Out: 2752.951+/-722.656 χ^2/NDF: 18.0/29

Left In: 2408.461+/-639.726 χ^2/NDF:31.4/22

Left: 2484.728+/-445.893 χ^2/NDF: 63.0/47

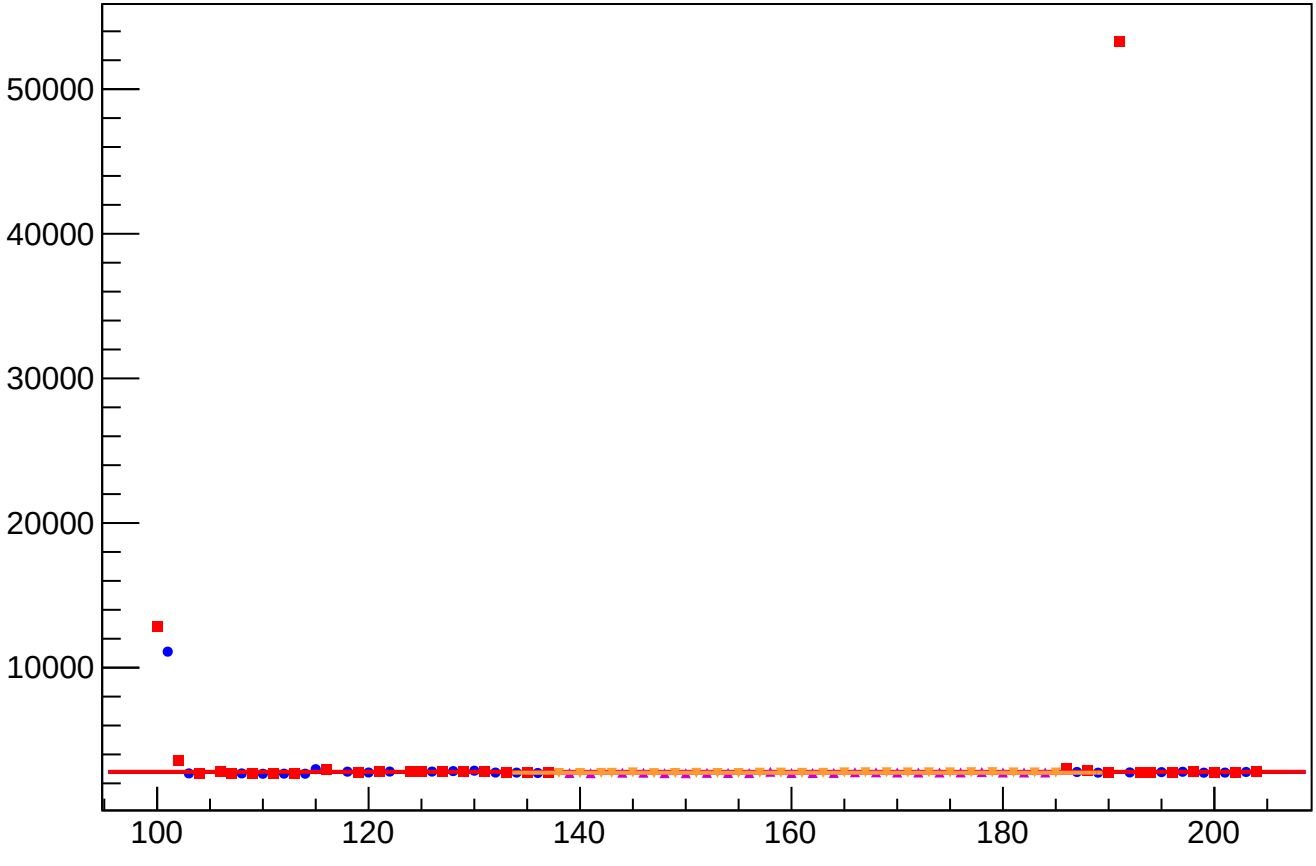
Right: 2410.384+/-529.146 χ^2/NDF: 41.5/53

In: 2249.251+/-493.858 χ^2/NDF:54.5/46

Out: 2640.241+/-471.350 χ^2/NDF:49.6/54

All: 2453.858+/-340.974 χ^2/NDF: 104.5/101

eigen_cor_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2786.333+/-0.549 χ^2/NDF: 748394.8/23

Left Out: 2737.519+/-0.440 χ^2/NDF:2317.5/24

Right Out: 2795.943+/-0.511 χ^2/NDF: 478900.8/29

Left In: 2739.863+/-0.452 χ^2/NDF:3362.0/22

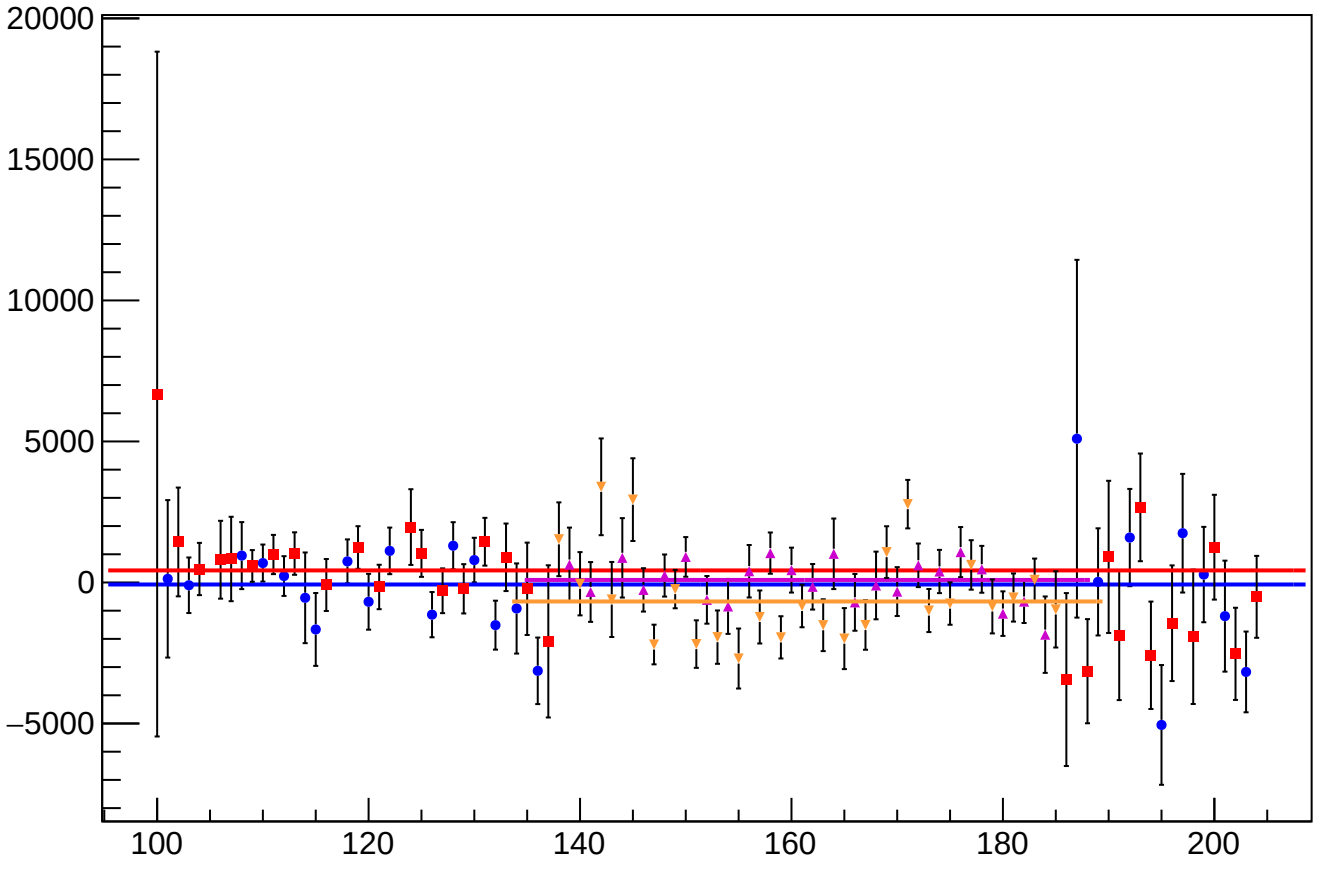
Left: 2738.658+/-0.315 χ^2/NDF: 5693.3/47

Right: 2791.485+/-0.374 χ^2/NDF: 1227459.6/53

In: 2758.639+/-0.349 χ^2/NDF:756020.8/46

Out: 2762.374+/-0.333 χ^2/NDF:488729.3/54

All: 2760.594+/-0.241 χ^2/NDF: 1244809.9/10



Right In: -71.550+/-220.713 χ^2/NDF: 35.8/23

Left Out: -673.608+/-181.230 χ^2/NDF:58.4/24

Right Out: 427.523+/-202.935 χ^2/NDF: 25.9/29

Left In: 89.643+/-183.492 χ^2/NDF:14.8/22

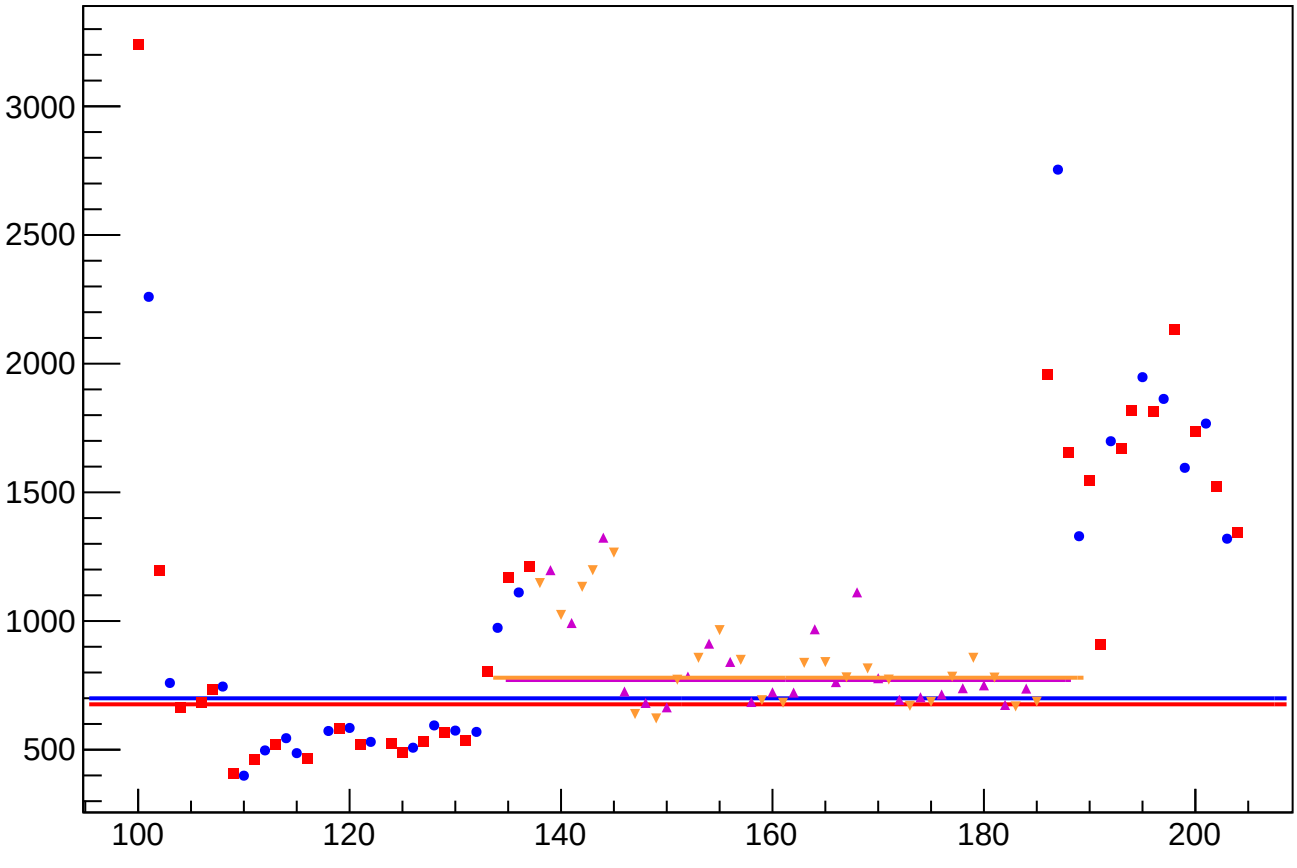
Left: -296.716+/-128.941 χ^2/NDF: 81.9/47

Right: 198.893+/-149.387 χ^2/NDF: 64.5/53

In: 23.765+/-141.099 χ^2/NDF:50.9/46

Out: -185.057+/-135.174 χ^2/NDF:100.6/54

All: -85.122+/-97.610 χ^2/NDF: 152.7/101



Right In: 699.679+/-0.156 χ^2/NDF: 5928763.7/23

Left Out: 779.713+/-0.128 χ^2/NDF:1243769.6/24

Right Out: 676.326+/-0.143 χ^2/NDF: 7121008.7/29

Left In: 770.799+/-0.130 χ^2/NDF:1076291.1/22

Left: 775.311+/-0.091 χ^2/NDF: 2322450.1/47

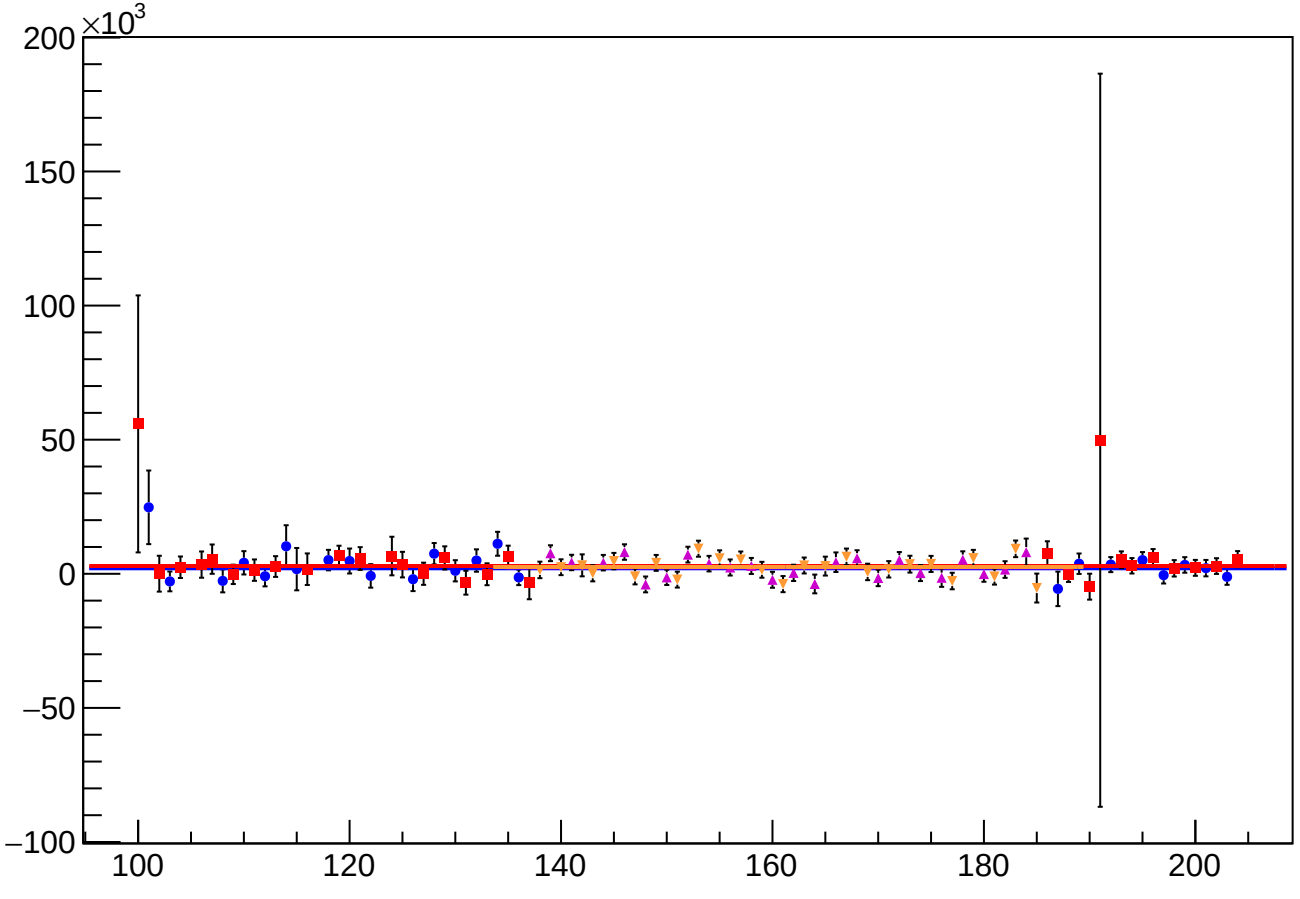
Right: 687.024+/-0.106 χ^2/NDF: 13061905.1/53

In: 741.733+/-0.100 χ^2/NDF:7127847.5/46

Out: 733.842+/-0.096 χ^2/NDF:8653560.4/54

All: 737.618+/-0.069 χ^2/NDF: 15784669.3/10

dit_asym_atr1_mean vs Slug, Sign Corrected



Right In: 2054.491+/-781.926 χ^2/NDF: 22.8/23

Left Out: 2545.043+/-622.236 χ^2/NDF:31.9/24

Right Out: 2903.290+/-728.723 χ^2/NDF: 17.0/29

Left In: 2406.858+/-640.084 χ^2/NDF:31.8/22

Left: 2477.904+/-446.164 χ^2/NDF: 63.7/47

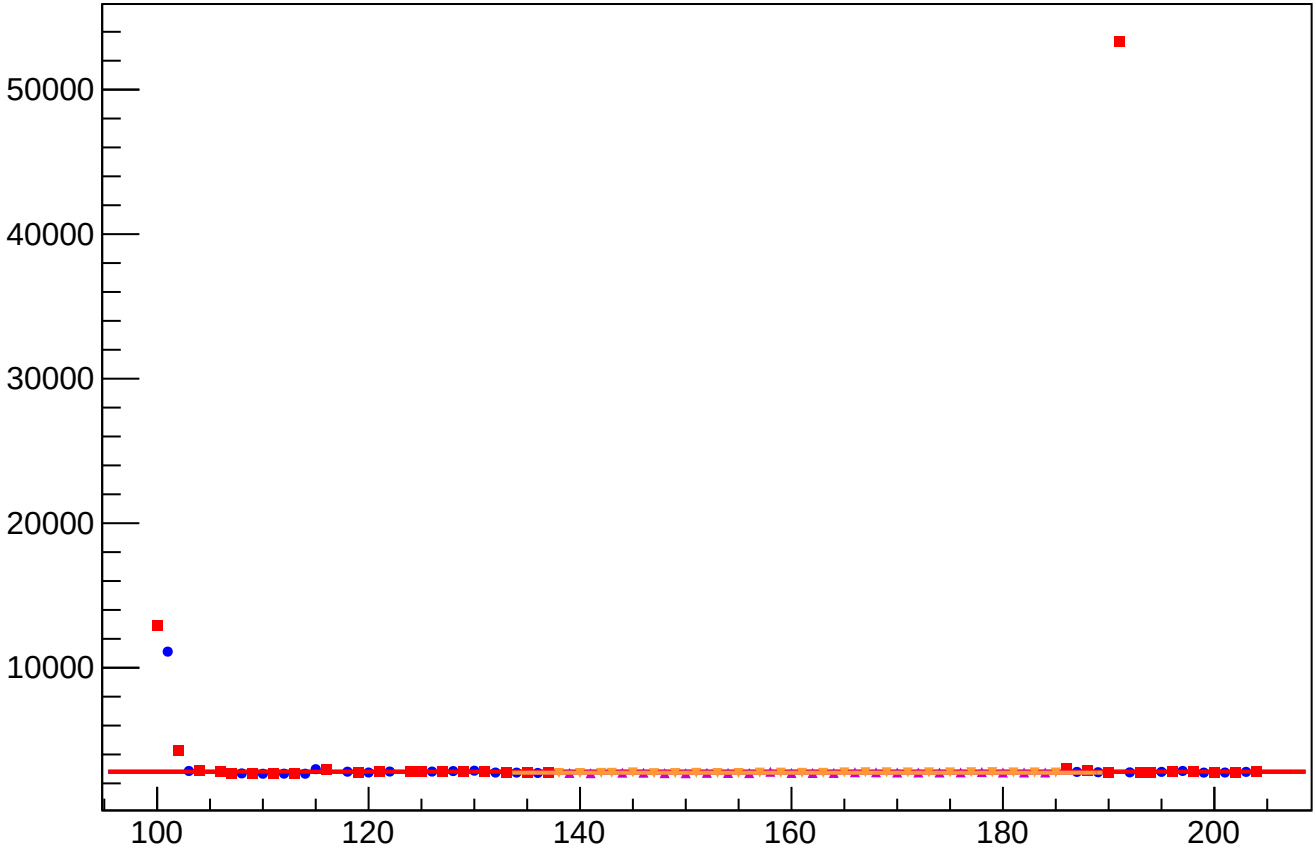
Right: 2508.747+/-533.102 χ^2/NDF: 40.4/53

In: 2265.476+/-495.297 χ^2/NDF:54.7/46

Out: 2696.103+/-473.201 χ^2/NDF:49.1/54

All: 2490.609+/-342.148 χ^2/NDF: 104.2/101

dit_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2804.065+/-0.553 χ^2/NDF: 747267.7/23

Left Out: 2739.304+/-0.440 χ^2/NDF:2322.3/24

Right Out: 2813.230+/-0.515 χ^2/NDF: 532222.4/29

Left In: 2741.391+/-0.453 χ^2/NDF:3369.6/22

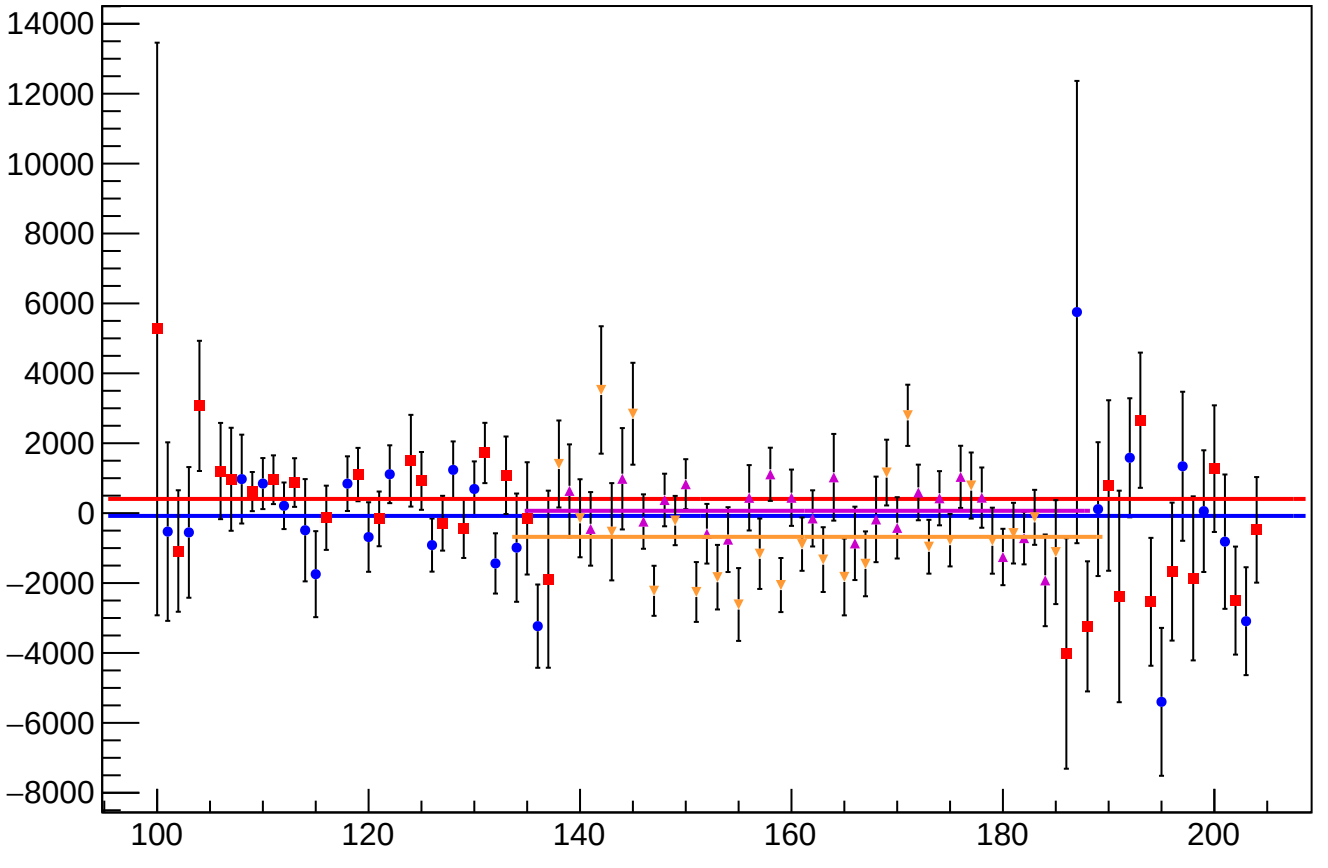
Left: 2740.318+/-0.315 χ^2/NDF: 5702.8/47

Right: 2808.970+/-0.377 χ^2/NDF: 1279637.1/53

In: 2766.538+/-0.350 χ^2/NDF:758331.0/46

Out: 2770.476+/-0.335 χ^2/NDF:546448.4/54

All: 2768.597+/-0.242 χ^2/NDF: 1304845.5/10



Right In: -79.475+/-224.509 χ^2/NDF: 35.4/23

Left Out: -678.226+/-185.004 χ^2/NDF:56.2/24

Right Out: 406.626+/-203.944 χ^2/NDF: 29.6/29

Left In: 67.156+/-185.436 χ^2/NDF:15.8/22

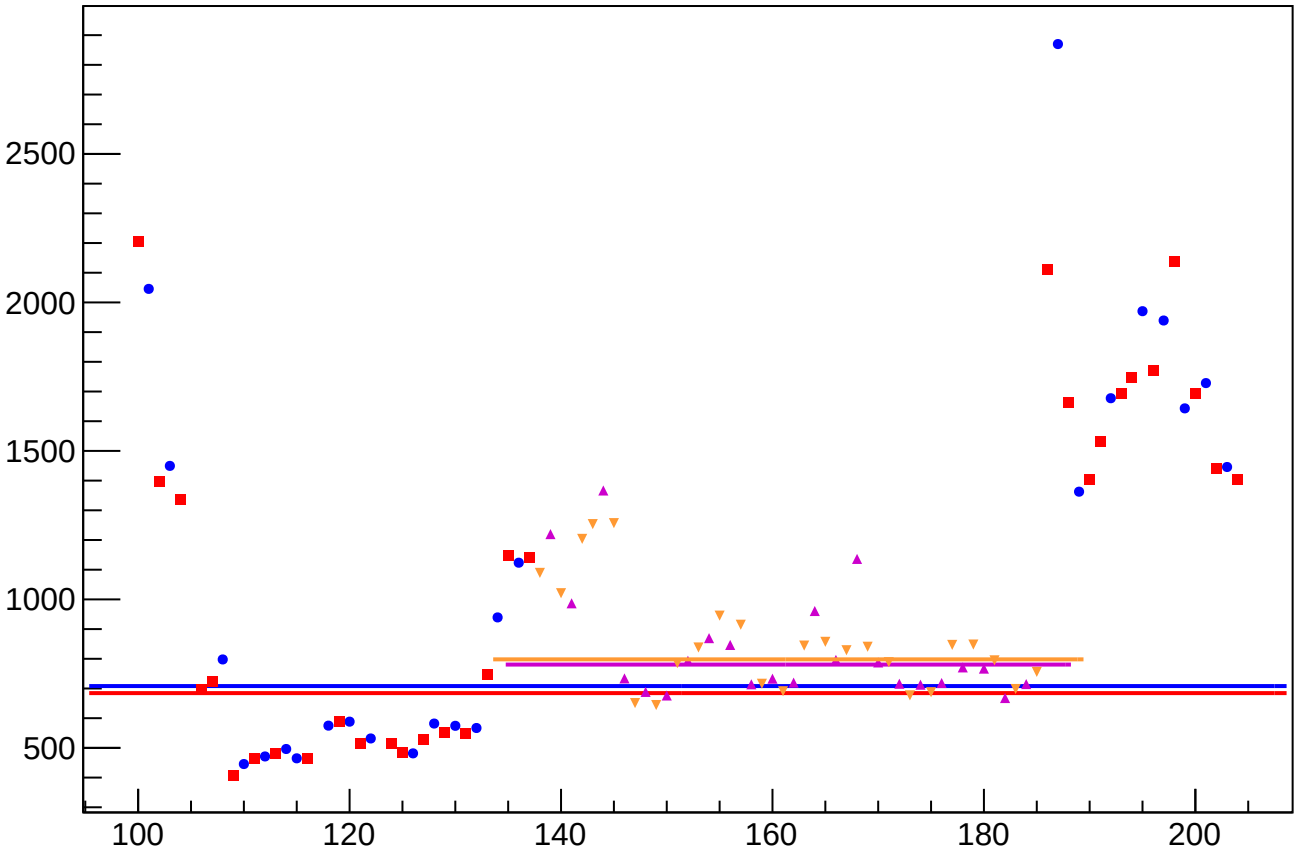
Left: -306.403+/-130.970 χ^2/NDF: 80.1/47

Right: 186.853+/-150.958 χ^2/NDF: 67.6/53

In: 7.691+/-142.973 χ^2/NDF:51.5/46

Out: -188.503+/-137.026 χ^2/NDF:101.4/54

All: -94.571+/-98.927 χ^2/NDF: 153.8/101



Right In: 708.163+/-0.159 χ^2/NDF: 6379674.7/23

Left Out: 798.091+/-0.131 χ^2/NDF:1168352.1/24

Right Out: 684.454+/-0.144 χ^2/NDF: 7716076.5/29

Left In: 780.525+/-0.131 χ^2/NDF:1064827.5/22

Left: 789.329+/-0.093 χ^2/NDF: 2242174.0/47

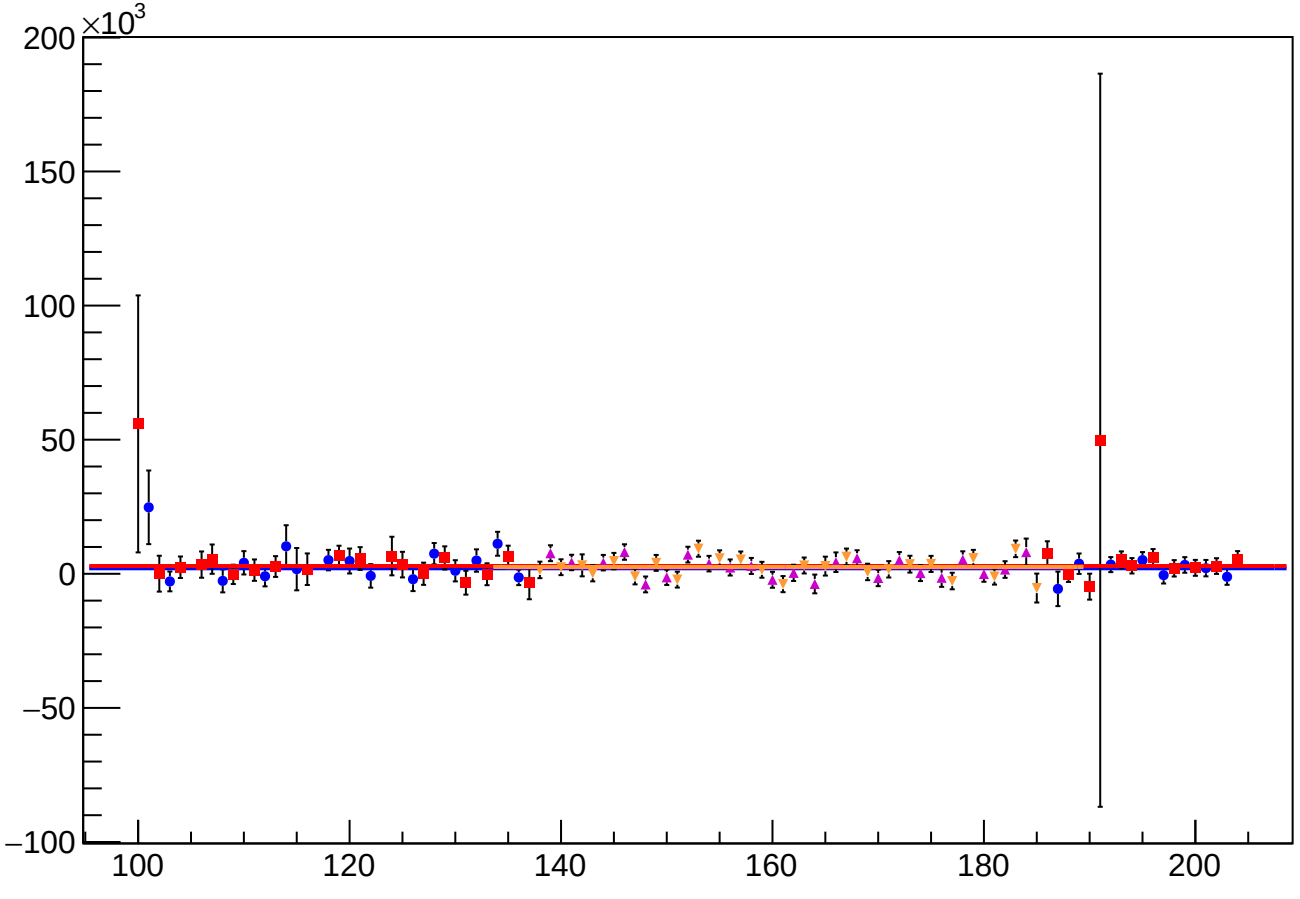
Right: 695.173+/-0.107 χ^2/NDF: 14107971.8/53

In: 751.179+/-0.101 χ^2/NDF:7568013.3/46

Out: 746.793+/-0.097 χ^2/NDF:9225064.2/54

All: 748.893+/-0.070 χ^2/NDF: 16794058.6/10

eigen_dit_asym_atr1_mean vs Slug, Sign Corrected



Right In: 2054.491+/-781.926 χ^2/NDF: 22.8/23

Left Out: 2545.044+/-622.236 χ^2/NDF:31.9/24

Right Out: 2903.287+/-728.723 χ^2/NDF: 17.0/29

Left In: 2406.858+/-640.084 χ^2/NDF:31.8/22

Left: 2477.904+/-446.164 χ^2/NDF: 63.7/47

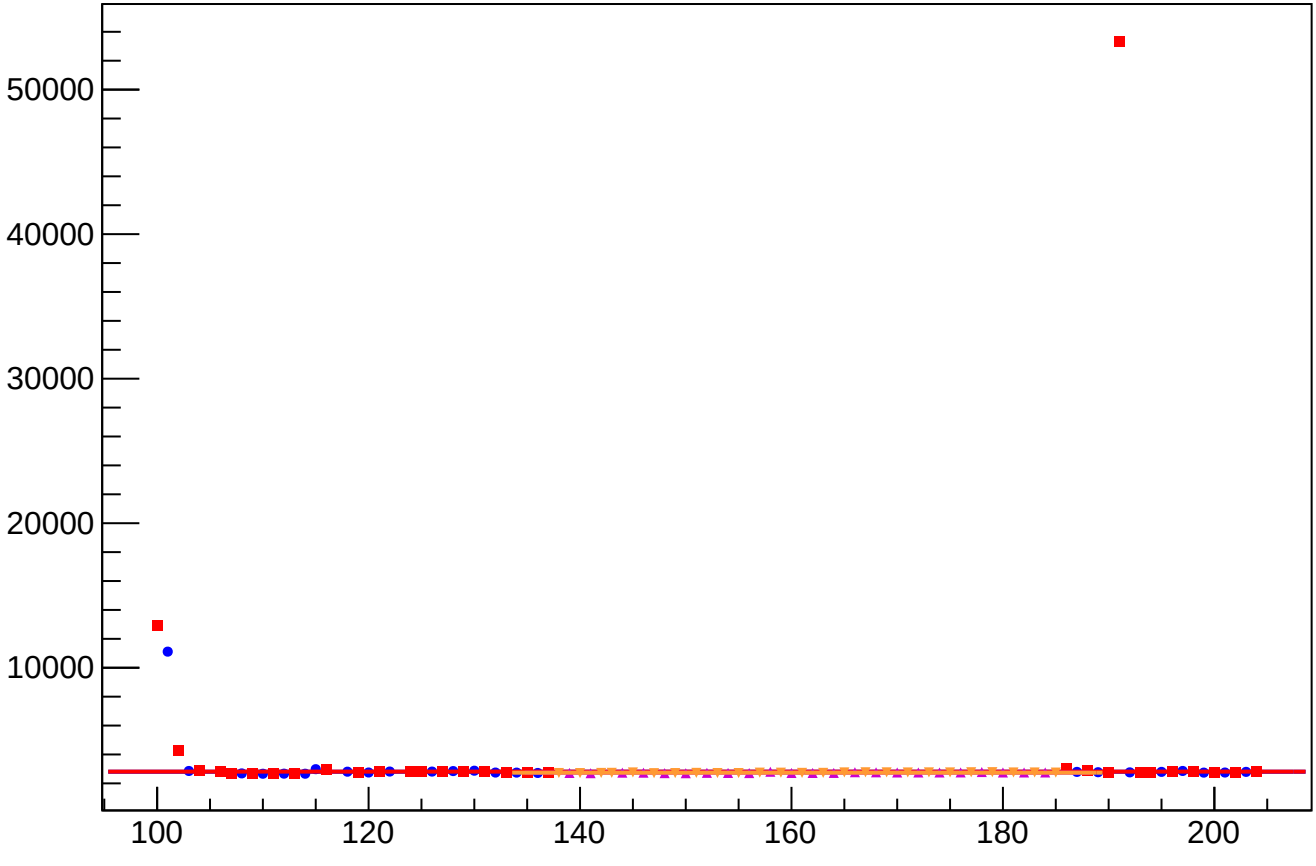
Right: 2508.746+/-533.102 χ^2/NDF: 40.4/53

In: 2265.476+/-495.297 χ^2/NDF:54.7/46

Out: 2696.102+/-473.201 χ^2/NDF:49.1/54

All: 2490.608+/-342.148 χ^2/NDF: 104.2/101

eigen_dit_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2804.065+/-0.553 χ^2/NDF: 747267.7/23

Left Out: 2739.304+/-0.440 χ^2/NDF:2322.3/24

Right Out: 2813.230+/-0.515 χ^2/NDF: 532222.2/29

Left In: 2741.391+/-0.453 χ^2/NDF:3369.6/22

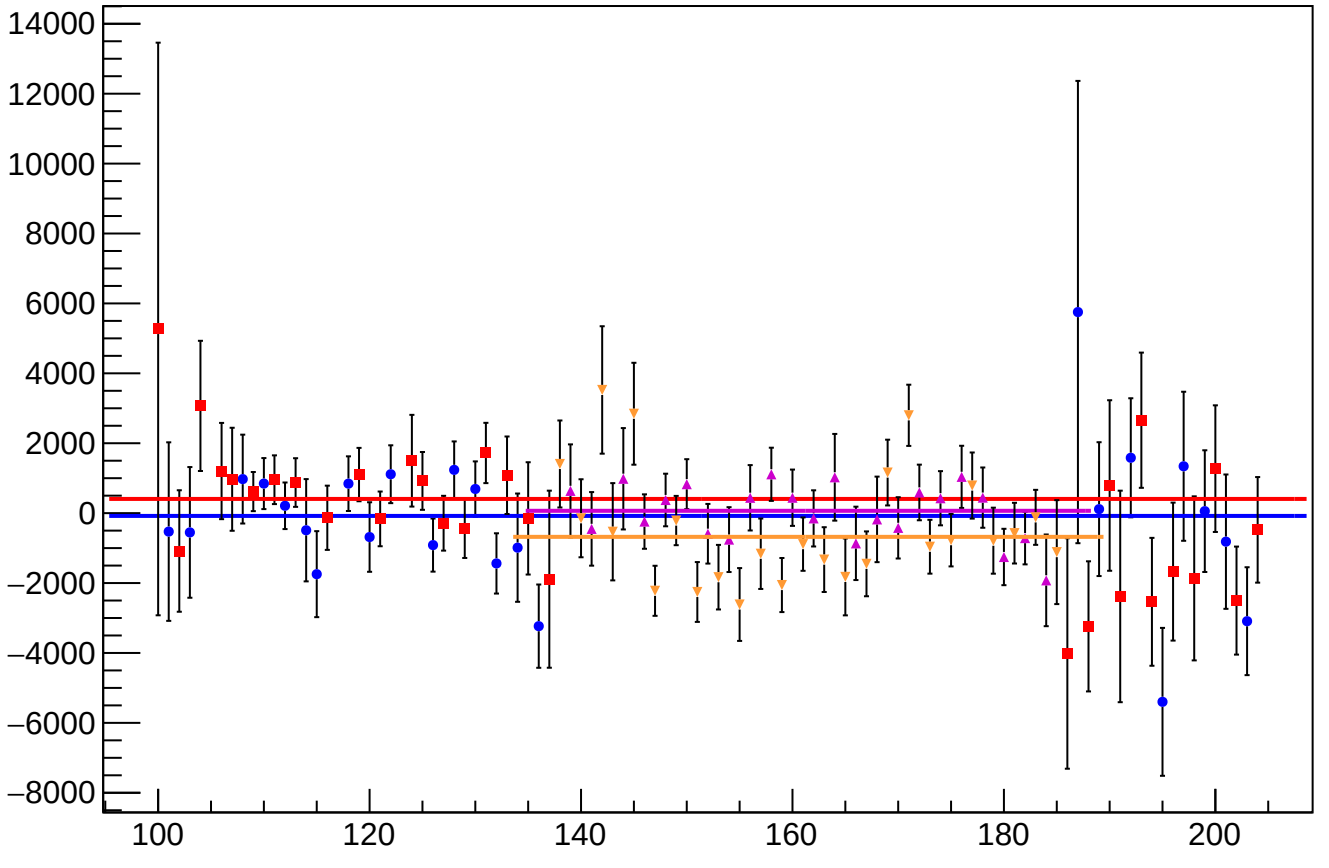
Left: 2740.318+/-0.315 χ^2/NDF: 5702.8/47

Right: 2808.970+/-0.377 χ^2/NDF: 1279636.9/53

In: 2766.538+/-0.350 χ^2/NDF:758330.9/46

Out: 2770.476+/-0.335 χ^2/NDF:546448.2/54

All: 2768.597+/-0.242 χ^2/NDF: 1304845.2/10



Right In: -79.474+/-224.509 χ^2/NDF: 35.4/23

Left Out: -678.227+/-185.004 χ^2/NDF:56.2/24

Right Out: 406.626+/-203.944 χ^2/NDF: 29.6/29

Left In: 67.157+/-185.436 χ^2/NDF:15.8/22

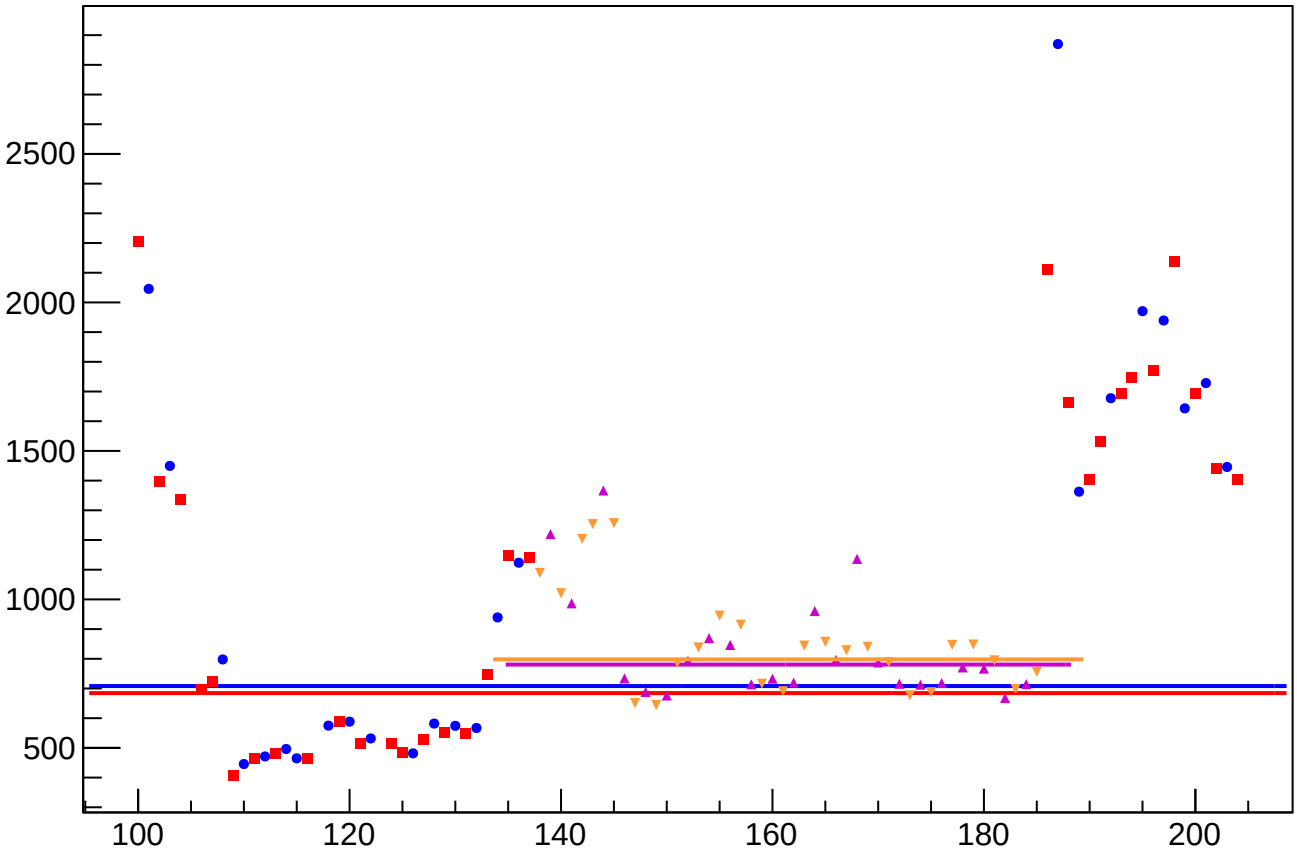
Left: -306.403+/-130.970 χ^2/NDF: 80.1/47

Right: 186.853+/-150.958 χ^2/NDF: 67.6/53

In: 7.691+/-142.973 χ^2/NDF:51.5/46

Out: -188.503+/-137.026 χ^2/NDF:101.4/54

All: -94.571+/-98.927 χ^2/NDF: 153.8/101



Right In: 708.164+/-0.159 χ^2/NDF: 6379671.7/23

Left Out: 798.092+/-0.131 χ^2/NDF:1168353.9/24

Right Out: 684.454+/-0.144 χ^2/NDF: 7716080.2/29

Left In: 780.525+/-0.131 χ^2/NDF:1064830.7/22

Left: 789.329+/-0.093 χ^2/NDF: 2242179.2/47

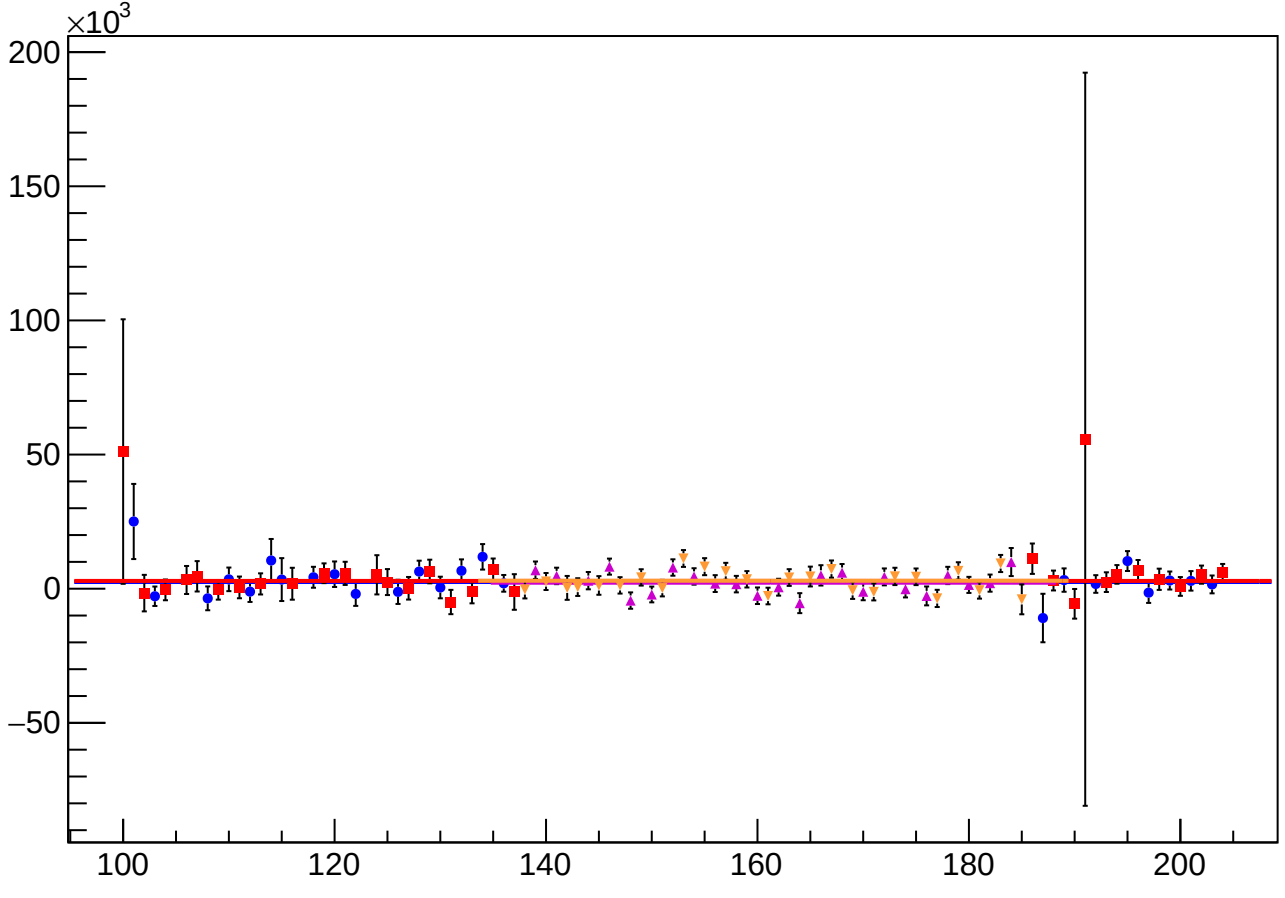
Right: 695.173+/-0.107 χ^2/NDF: 14107972.8/53

In: 751.179+/-0.101 χ^2/NDF:7568011.3/46

Out: 746.793+/-0.097 χ^2/NDF:9225069.4/54

All: 748.893+/-0.070 χ^2/NDF: 16794061.7/10

asym_atr1_mean vs Slug, Sign Corrected



Right In: 2494.283+/-854.090 χ^2/NDF: 24.8/23

Left Out: 2969.337+/-653.286 χ^2/NDF:35.7/24

Right Out: 2903.710+/-802.356 χ^2/NDF: 19.0/29

Left In: 2237.495+/-670.327 χ^2/NDF:33.8/22

Left: 2612.837+/-467.852 χ^2/NDF: 70.1/47

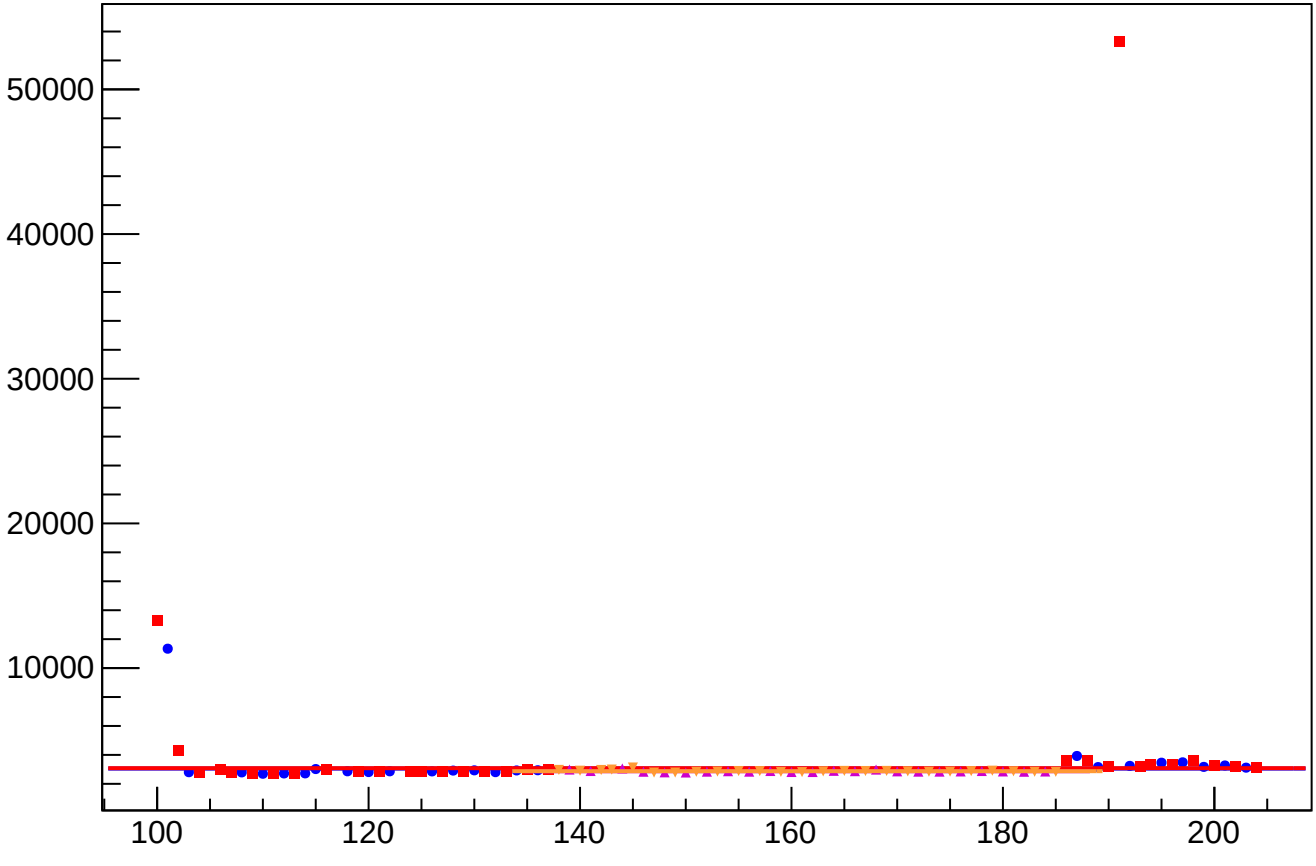
Right: 2711.771+/-584.786 χ^2/NDF: 43.9/53

In: 2335.378+/-527.313 χ^2/NDF:58.6/46

Out: 2943.174+/-506.600 χ^2/NDF:54.7/54

All: 2651.448+/-365.324 χ^2/NDF: 114.1/101

asym_atr1_rms vs Slug, Sign Corrected



Right In: 3053.428+/-0.604 χ^2/NDF: 866902.3/23

Left Out: 2874.933+/-0.462 χ^2/NDF:21788.8/24

Right Out: 3081.981+/-0.567 χ^2/NDF: 714134.3/29

Left In: 2870.153+/-0.474 χ^2/NDF:17687.5/22

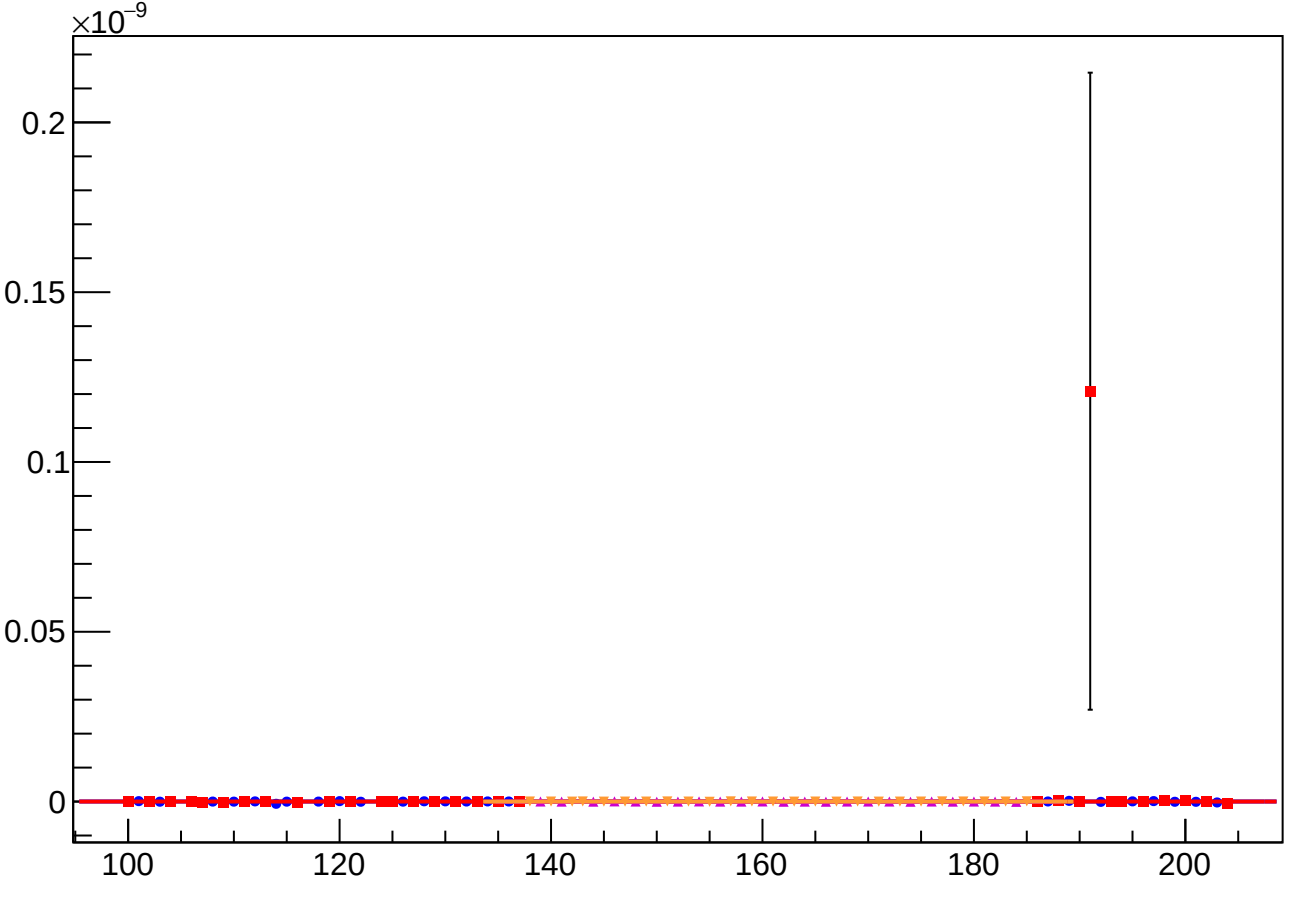
Left: 2872.605+/-0.331 χ^2/NDF: 39528.5/47

Right: 3068.596+/-0.414 χ^2/NDF: 1582224.1/53

In: 2940.014+/-0.373 χ^2/NDF:941579.4/46

Out: 2957.474+/-0.358 χ^2/NDF:816010.6/54

All: 2949.094+/-0.258 χ^2/NDF: 1758730.3/10



Right In: 0.000+/-0.000 χ^2/NDF: 18.1/23

Left Out: 0.000+/-0.000 χ^2/NDF:14.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 38.8/29

Left In: -0.000+/-0.000 χ^2/NDF:27.9/22

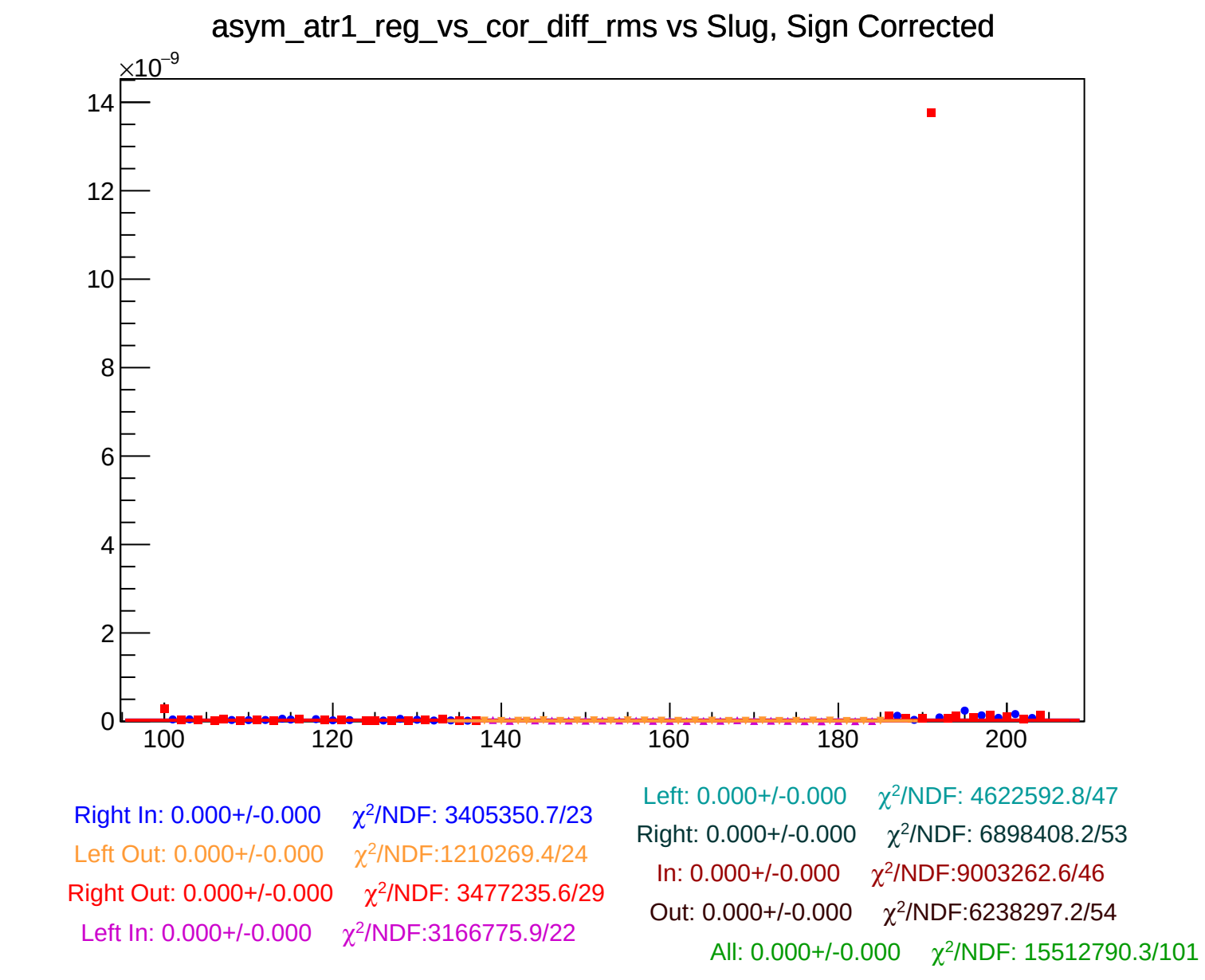
Left: -0.000+/-0.000 χ^2/NDF: 43.3/47

Right: 0.000+/-0.000 χ^2/NDF: 57.1/53

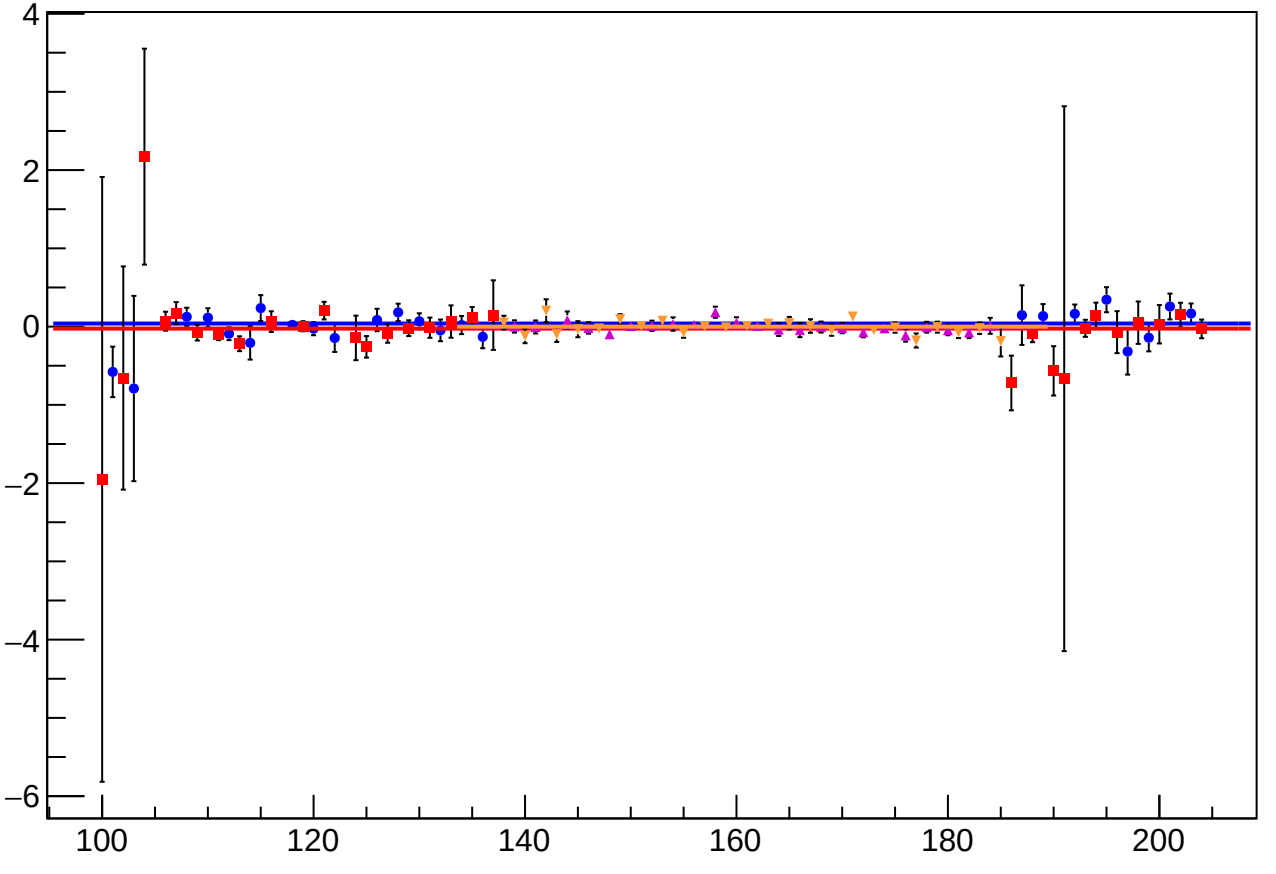
In: -0.000+/-0.000 χ^2/NDF:48.2/46

Out: 0.000+/-0.000 χ^2/NDF:53.4/54

All: -0.000+/-0.000 χ^2/NDF: 102.3/101


asym_atr1_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
14
12
10
8
6
4
2
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 3405350.7/23
Left Out: 0.000+/-0.000 χ²/NDF:1210269.4/24
Right Out: 0.000+/-0.000 χ²/NDF: 3477235.6/29
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: 6898408.2/53
In: 0.000+/-0.000 χ²/NDF:9003262.6/46
Out: 0.000+/-0.000 χ²/NDF:6238297.2/54
All: 0.000+/-0.000 χ²/NDF: 15512790.3/101

asym_atr1_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.039+/-0.025 χ^2/NDF: 26.2/23

Left Out: -0.000+/-0.014 χ^2/NDF:22.6/24

Right Out: -0.026+/-0.025 χ^2/NDF: 30.7/29

Left In: -0.008+/-0.015 χ^2/NDF:15.5/22

Left: -0.004+/-0.010 χ^2/NDF: 38.2/47

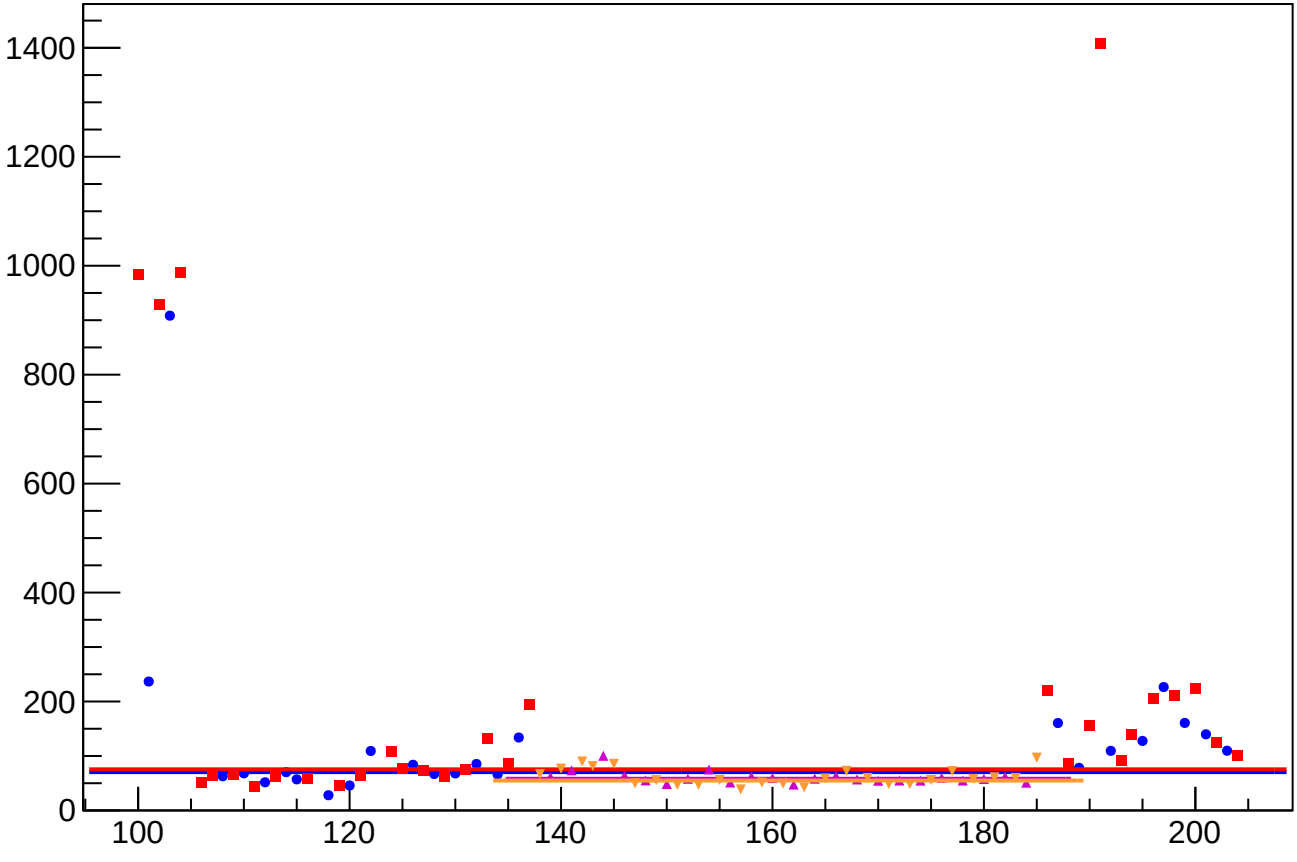
Right: 0.006+/-0.018 χ^2/NDF: 60.3/53

In: 0.004+/-0.013 χ^2/NDF:44.4/46

Out: -0.007+/-0.012 χ^2/NDF:54.0/54

All: -0.001+/-0.009 χ^2/NDF: 98.8/101

asym_atr1_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 70.411+/-0.018 χ^2/NDF: 5859942.0/23

Left Out: 54.931+/-0.010 χ^2/NDF:1297647.2/24

Right Out: 75.486+/-0.017 χ^2/NDF: 6226722.8/29

Left In: 58.138+/-0.010 χ^2/NDF:657436.9/22

Left: 56.452+/-0.007 χ^2/NDF: 2004214.4/47

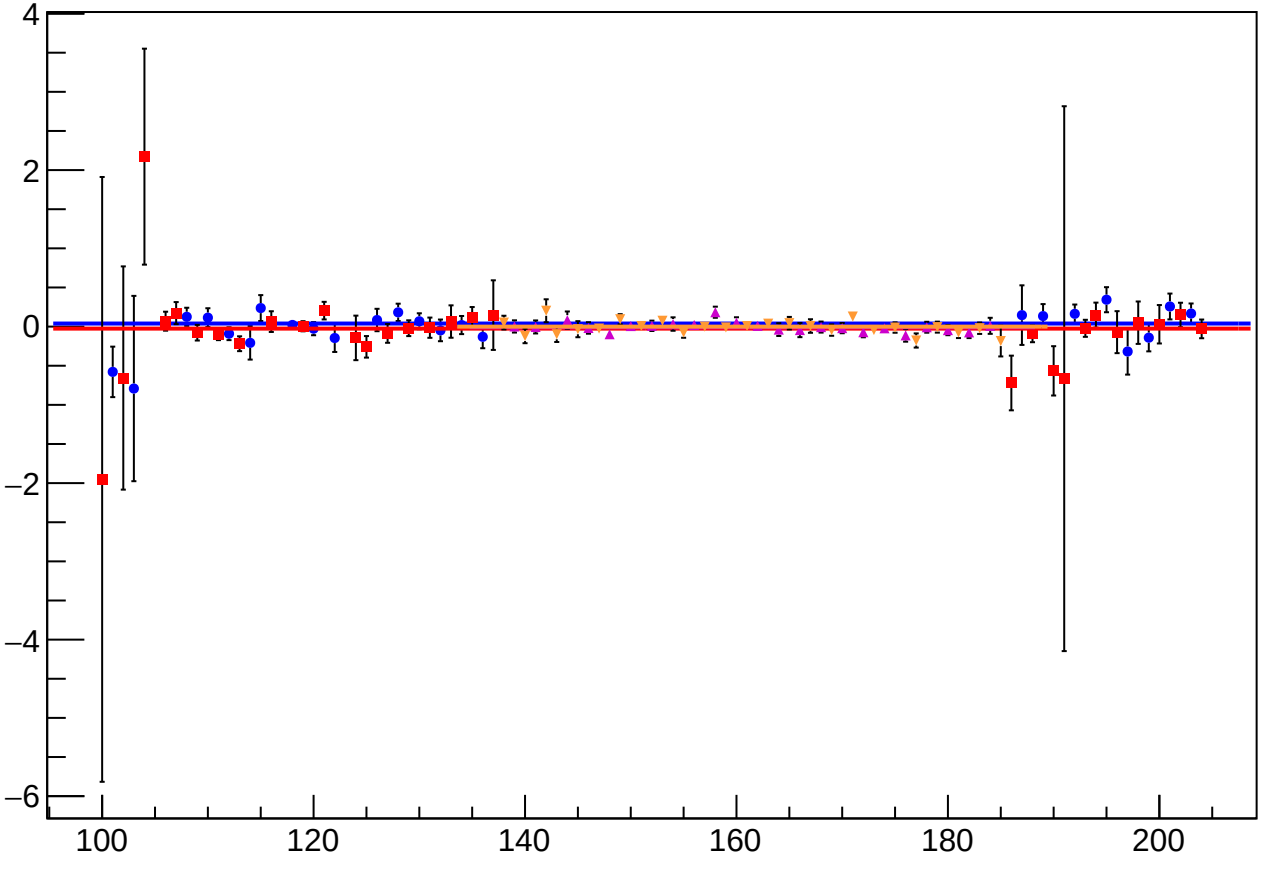
Right: 73.000+/-0.012 χ^2/NDF: 12128487.8/53

In: 61.322+/-0.009 χ^2/NDF:6872497.4/46

Out: 60.023+/-0.009 χ^2/NDF:8578207.9/54

All: 60.645+/-0.006 χ^2/NDF: 15461506.7/101

asym_atr1_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.039+/-0.025 χ^2/NDF: 26.2/23

Left Out: -0.000+/-0.014 χ^2/NDF:22.6/24

Right Out: -0.026+/-0.025 χ^2/NDF: 30.7/29

Left In: -0.008+/-0.015 χ^2/NDF:15.5/22

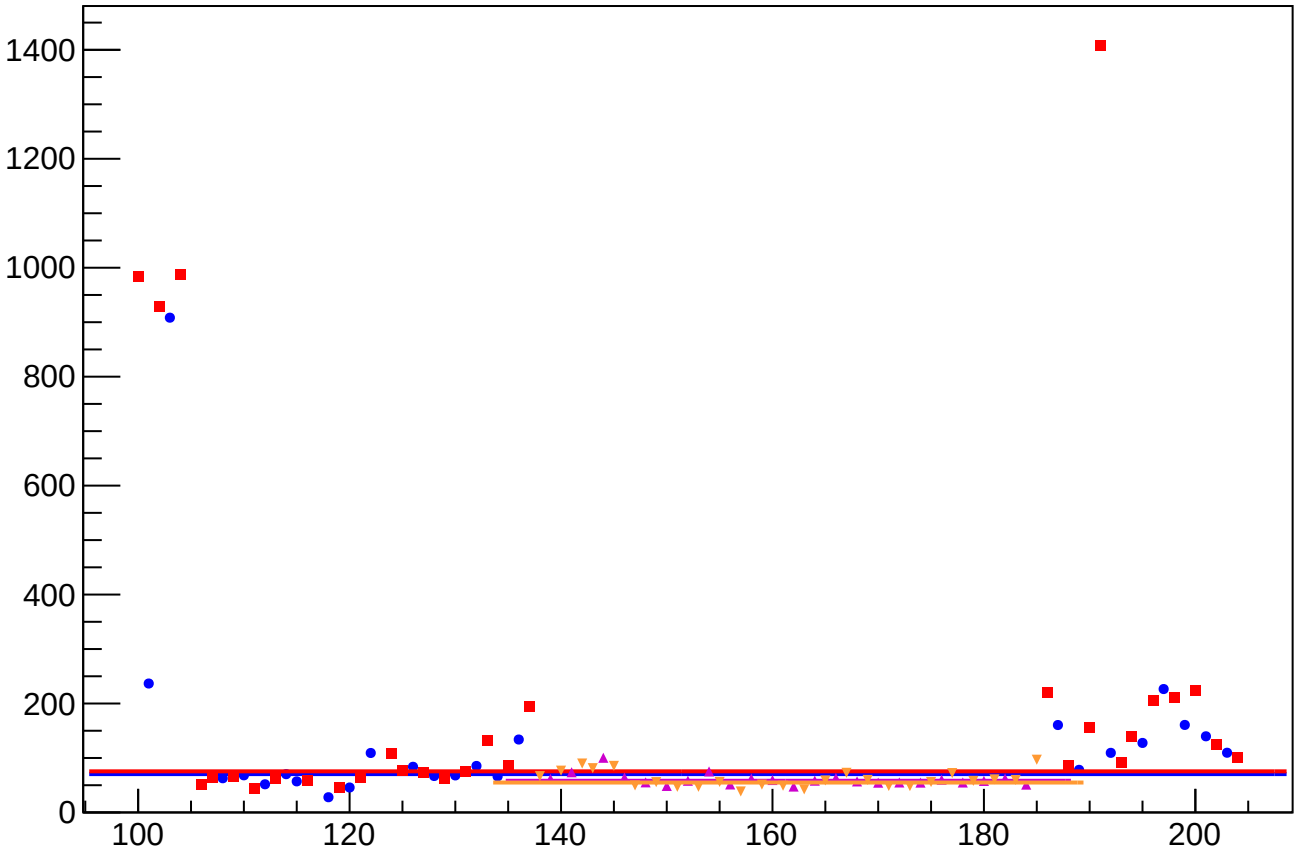
Left: -0.004+/-0.010 χ^2/NDF: 38.2/47

Right: 0.006+/-0.018 χ^2/NDF: 60.3/53

In: 0.004+/-0.013 χ^2/NDF:44.4/46

Out: -0.007+/-0.012 χ^2/NDF:54.0/54

All: -0.001+/-0.009 χ^2/NDF: 98.8/101



Right In: 70.411+/-0.018 χ^2/NDF: 5859942.0/23

Left Out: 54.931+/-0.010 χ^2/NDF:1297647.2/24

Right Out: 75.486+/-0.017 χ^2/NDF: 6226722.8/29

Left In: 58.138+/-0.010 χ^2/NDF:657436.9/22

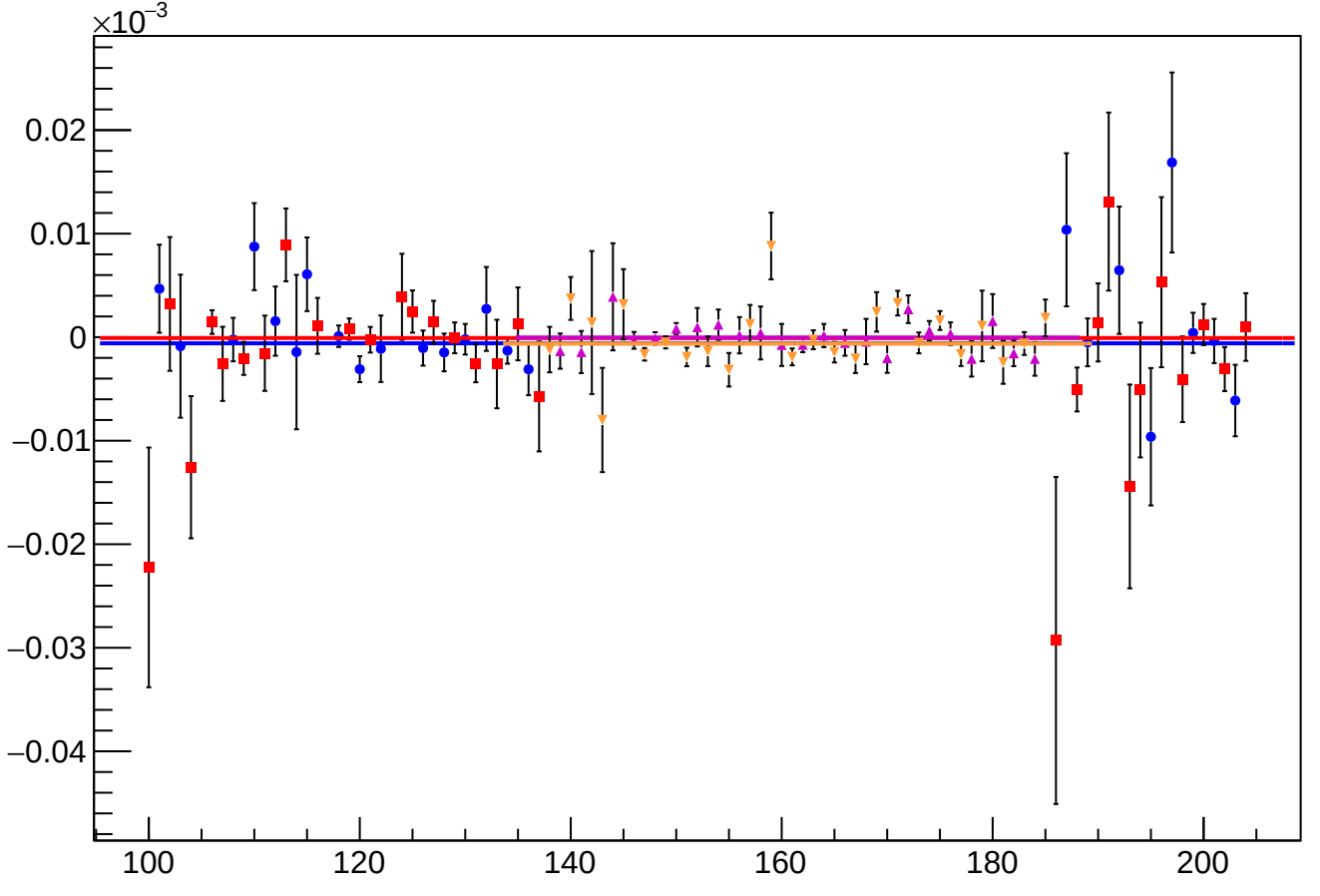
Left: 56.452+/-0.007 χ^2/NDF: 2004214.4/47

Right: 73.000+/-0.012 χ^2/NDF: 12128487.8/53

In: 61.322+/-0.009 χ^2/NDF:6872497.4/46

Out: 60.023+/-0.009 χ^2/NDF:8578207.9/54

All: 60.645+/-0.006 χ^2/NDF: 15461506.7/101



Right In: -0.000+/-0.000 χ^2/NDF: 29.5/23

Left Out: -0.000+/-0.000 χ^2/NDF:52.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 43.1/29

Left In: -0.000+/-0.000 χ^2/NDF:18.2/22

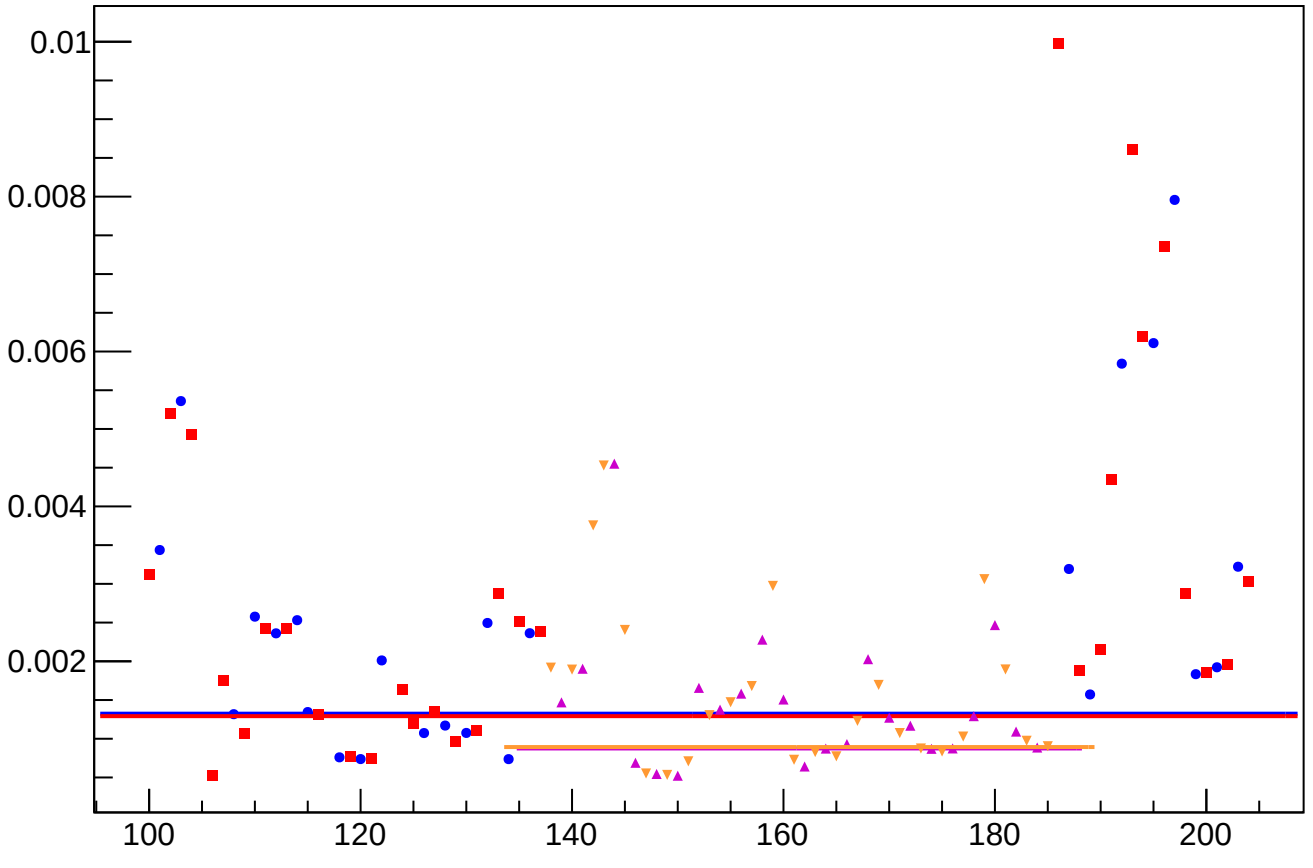
Left: -0.000+/-0.000 χ^2/NDF: 74.1/47

Right: -0.000+/-0.000 χ^2/NDF: 73.3/53

In: -0.000+/-0.000 χ^2/NDF:48.9/46

Out: -0.000+/-0.000 χ^2/NDF:97.1/54

All: -0.000+/-0.000 χ^2/NDF: 147.4/101



Right In: 0.001+/-0.000 χ^2/NDF: 8113698.2/23

Left Out: 0.001+/-0.000 χ^2/NDF:7739119.9/24

Right Out: 0.001+/-0.000 χ^2/NDF: 10035865.6/29

Left In: 0.001+/-0.000 χ^2/NDF:6963716.3/22

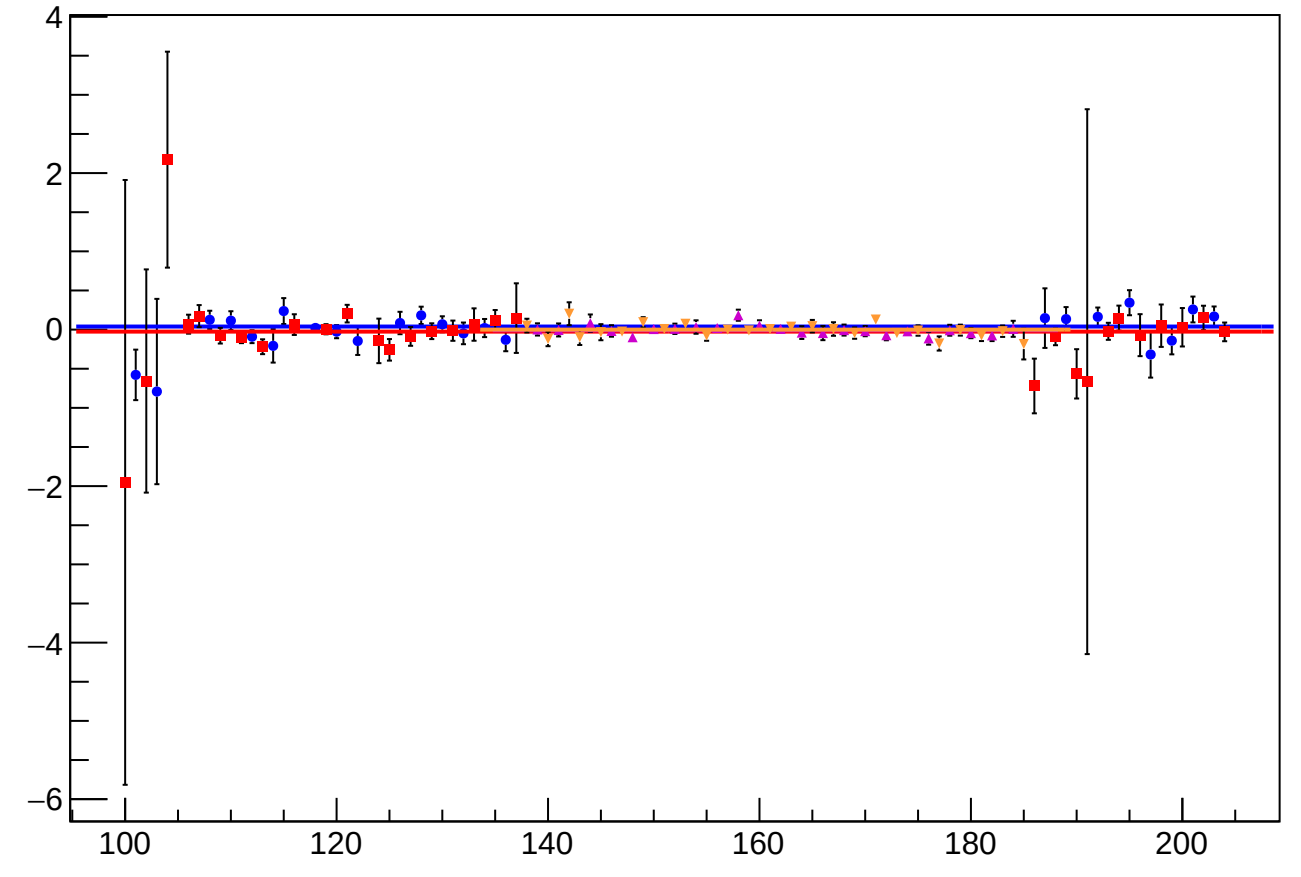
Left: 0.001+/-0.000 χ^2/NDF: 14708860.3/47

Right: 0.001+/-0.000 χ^2/NDF: 18154979.3/53

In: 0.001+/-0.000 χ^2/NDF:16653706.8/46

Out: 0.001+/-0.000 χ^2/NDF:19143565.9/54

All: 0.001+/-0.000 χ^2/NDF: 35801474.8/101



Right In: 0.039+/-0.025 χ^2/NDF: 26.2/23

Left Out: -0.000+/-0.014 χ^2/NDF:22.6/24

Right Out: -0.026+/-0.025 χ^2/NDF: 30.7/29

Left In: -0.008+/-0.015 χ^2/NDF:15.5/22

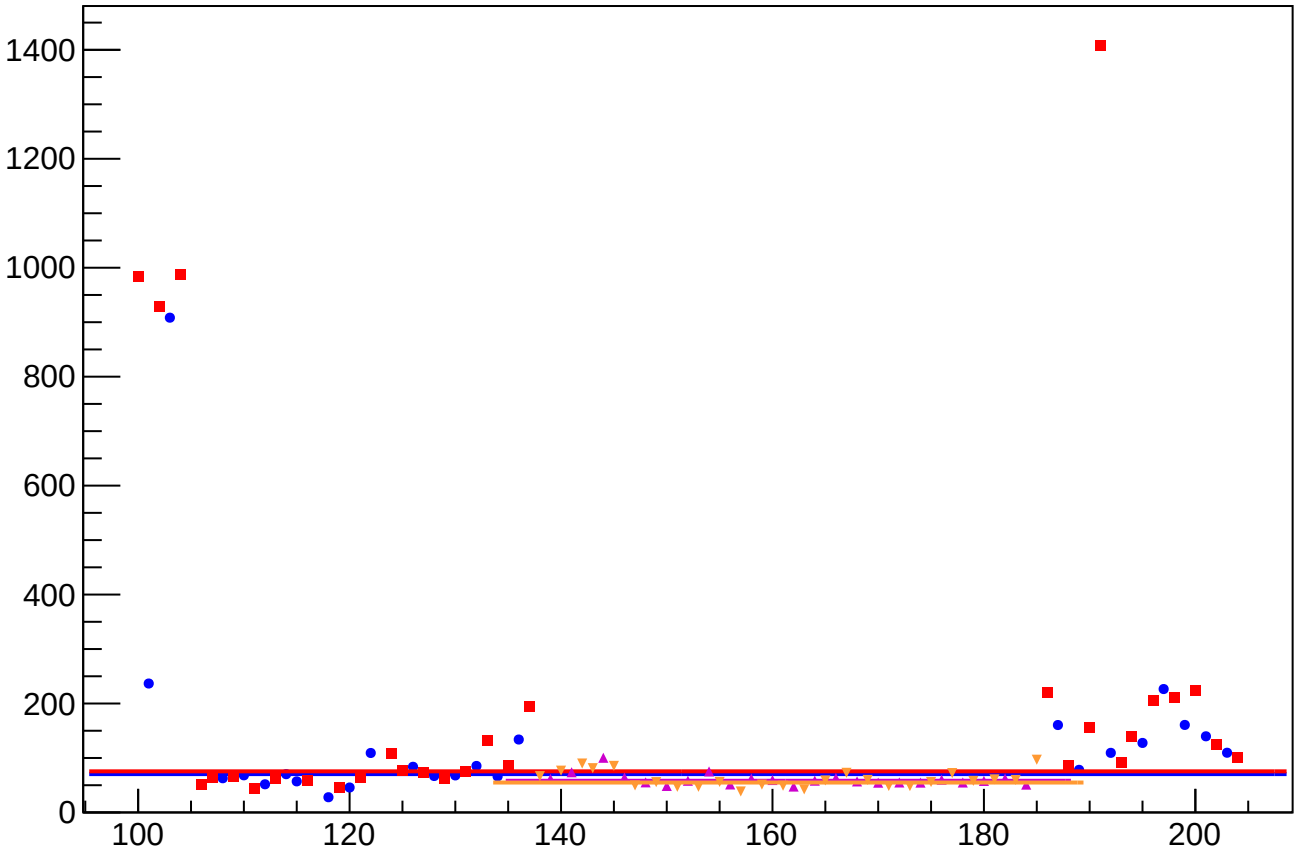
Left: -0.004+/-0.010 χ^2/NDF: 38.2/47

Right: 0.006+/-0.018 χ^2/NDF: 60.3/53

In: 0.004+/-0.013 χ^2/NDF:44.4/46

Out: -0.007+/-0.012 χ^2/NDF:54.1/54

All: -0.001+/-0.009 χ^2/NDF: 98.8/101



Right In: 70.410+/-0.018 χ^2/NDF: 5860081.3/23

Left Out: 54.930+/-0.010 χ^2/NDF:1297722.9/24

Right Out: 75.485+/-0.017 χ^2/NDF: 6226753.0/29

Left In: 58.138+/-0.010 χ^2/NDF:657460.3/22

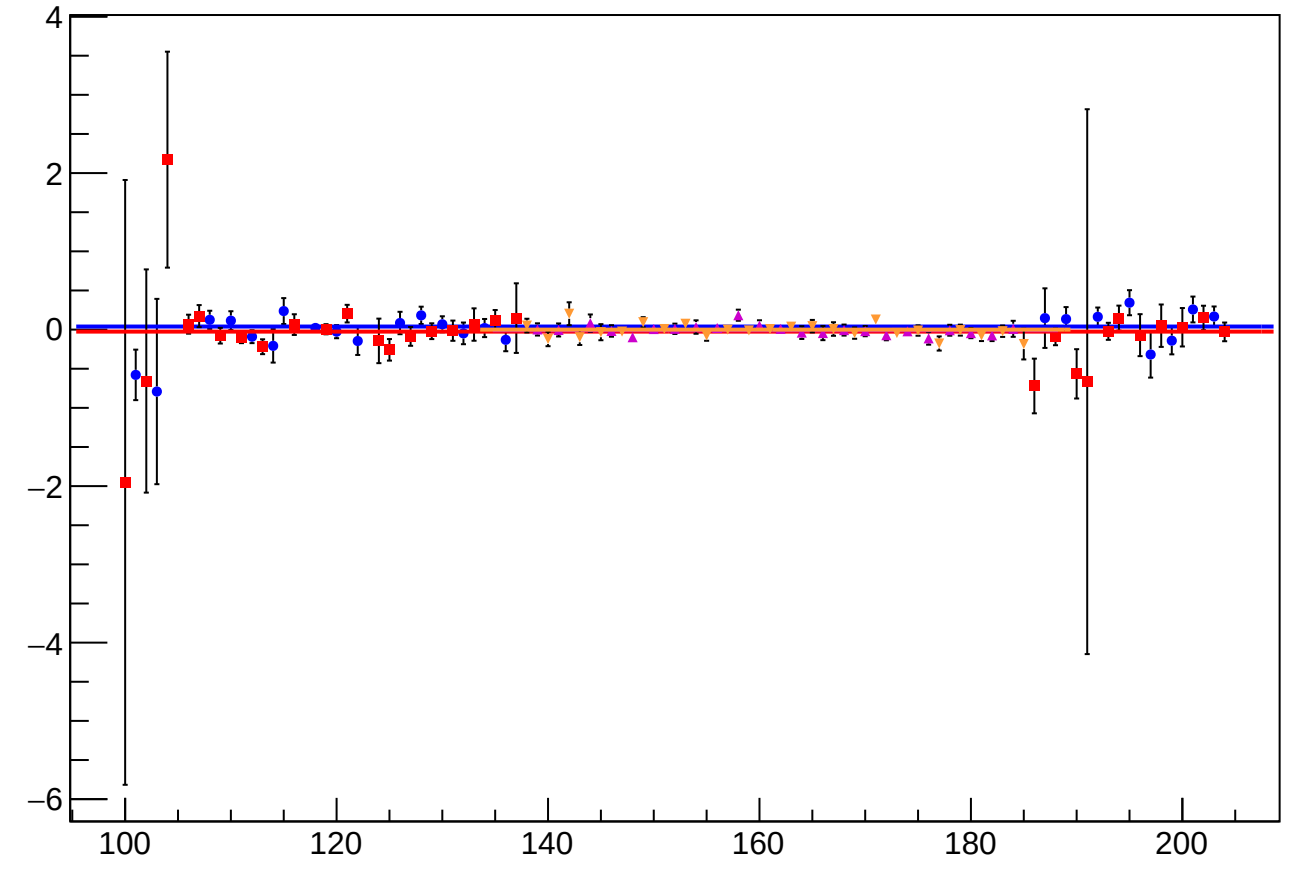
Left: 56.452+/-0.007 χ^2/NDF: 2004328.0/47

Right: 72.999+/-0.012 χ^2/NDF: 12128667.7/53

In: 61.322+/-0.009 χ^2/NDF:6872610.4/46

Out: 60.023+/-0.009 χ^2/NDF:8578335.0/54

All: 60.644+/-0.006 χ^2/NDF: 15461750.7/101



Right In: 0.039+/-0.025 χ^2/NDF: 26.2/23

Left Out: -0.000+/-0.014 χ^2/NDF:22.6/24

Right Out: -0.026+/-0.025 χ^2/NDF: 30.7/29

Left In: -0.008+/-0.015 χ^2/NDF:15.5/22

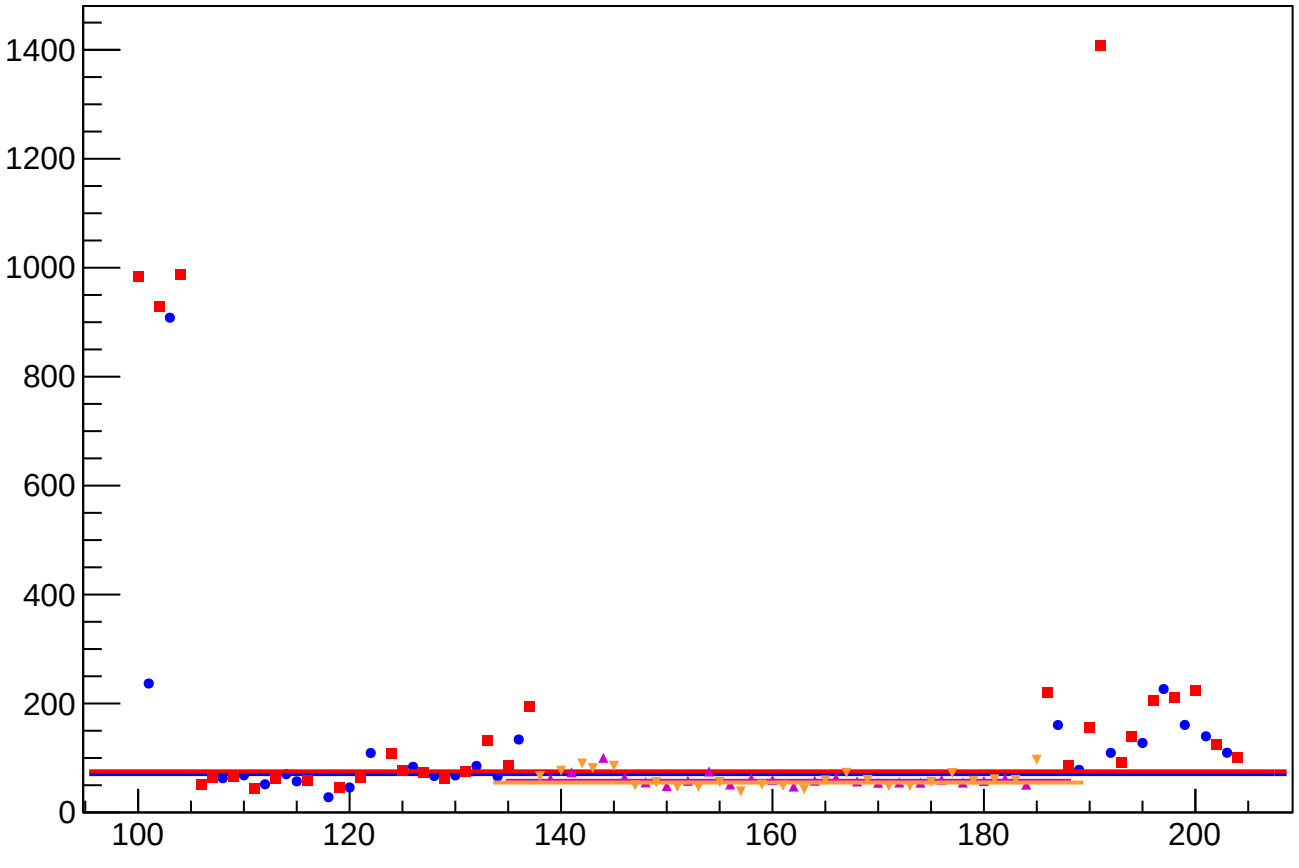
Left: -0.004+/-0.010 χ^2/NDF: 38.2/47

Right: 0.006+/-0.018 χ^2/NDF: 60.3/53

In: 0.004+/-0.013 χ^2/NDF:44.4/46

Out: -0.007+/-0.012 χ^2/NDF:54.1/54

All: -0.001+/-0.009 χ^2/NDF: 98.8/101



Right In: 70.410+/-0.018 χ^2/NDF: 5860081.3/23

Left Out: 54.930+/-0.010 χ^2/NDF:1297722.9/24

Right Out: 75.485+/-0.017 χ^2/NDF: 6226753.0/29

Left In: 58.138+/-0.010 χ^2/NDF:657460.3/22

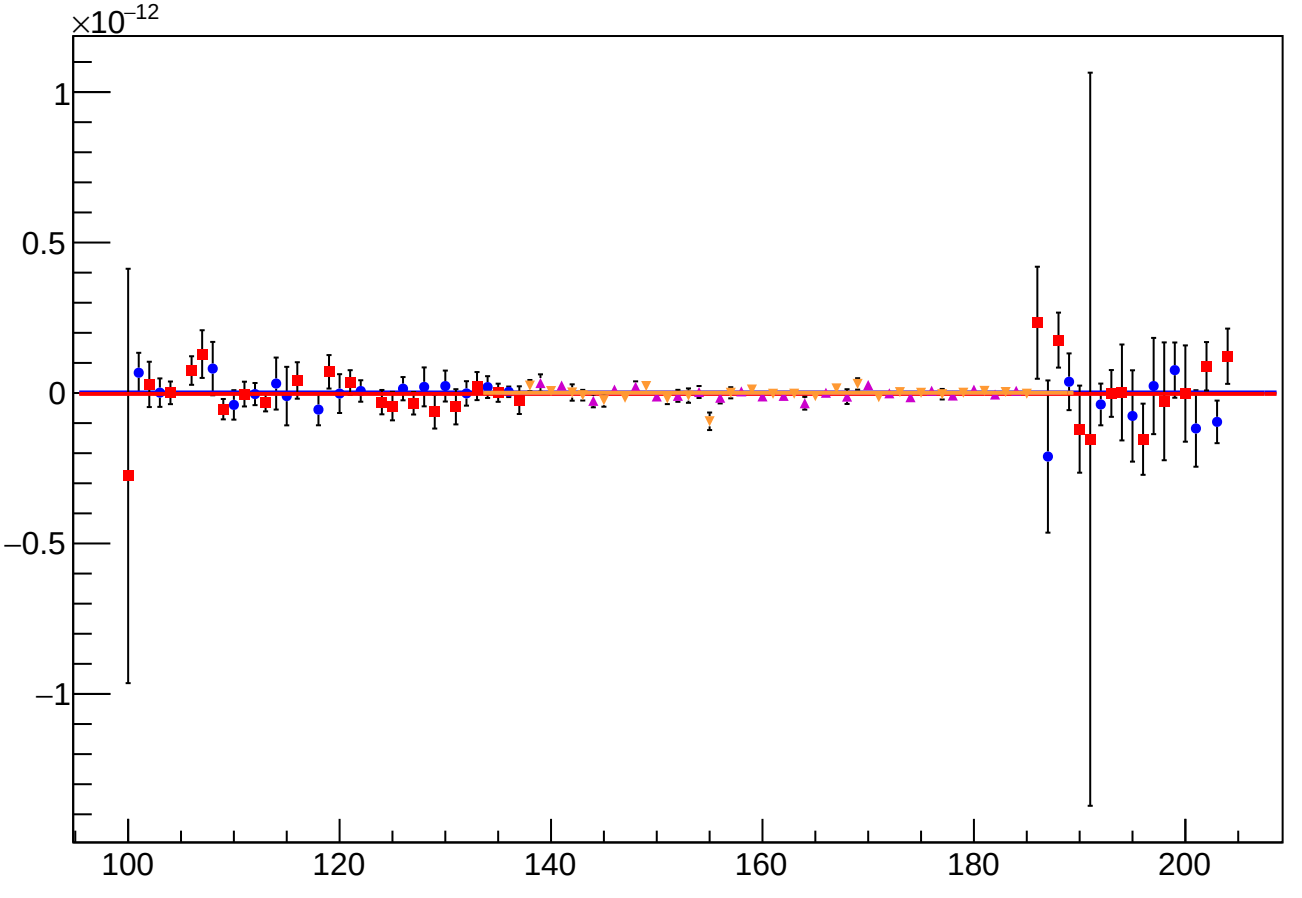
Left: 56.452+/-0.007 χ^2/NDF: 2004328.0/47

Right: 72.999+/-0.012 χ^2/NDF: 12128667.7/53

In: 61.322+/-0.009 χ^2/NDF:6872610.4/46

Out: 60.023+/-0.009 χ^2/NDF:8578335.0/54

All: 60.644+/-0.006 χ^2/NDF: 15461750.7/101



Right In: 0.000+/-0.000 χ^2/NDF: 9.4/23

Left Out: 0.000+/-0.000 χ^2/NDF:25.3/24

Right Out: -0.000+/-0.000 χ^2/NDF: 27.2/29

Left In: 0.000+/-0.000 χ^2/NDF:20.2/22

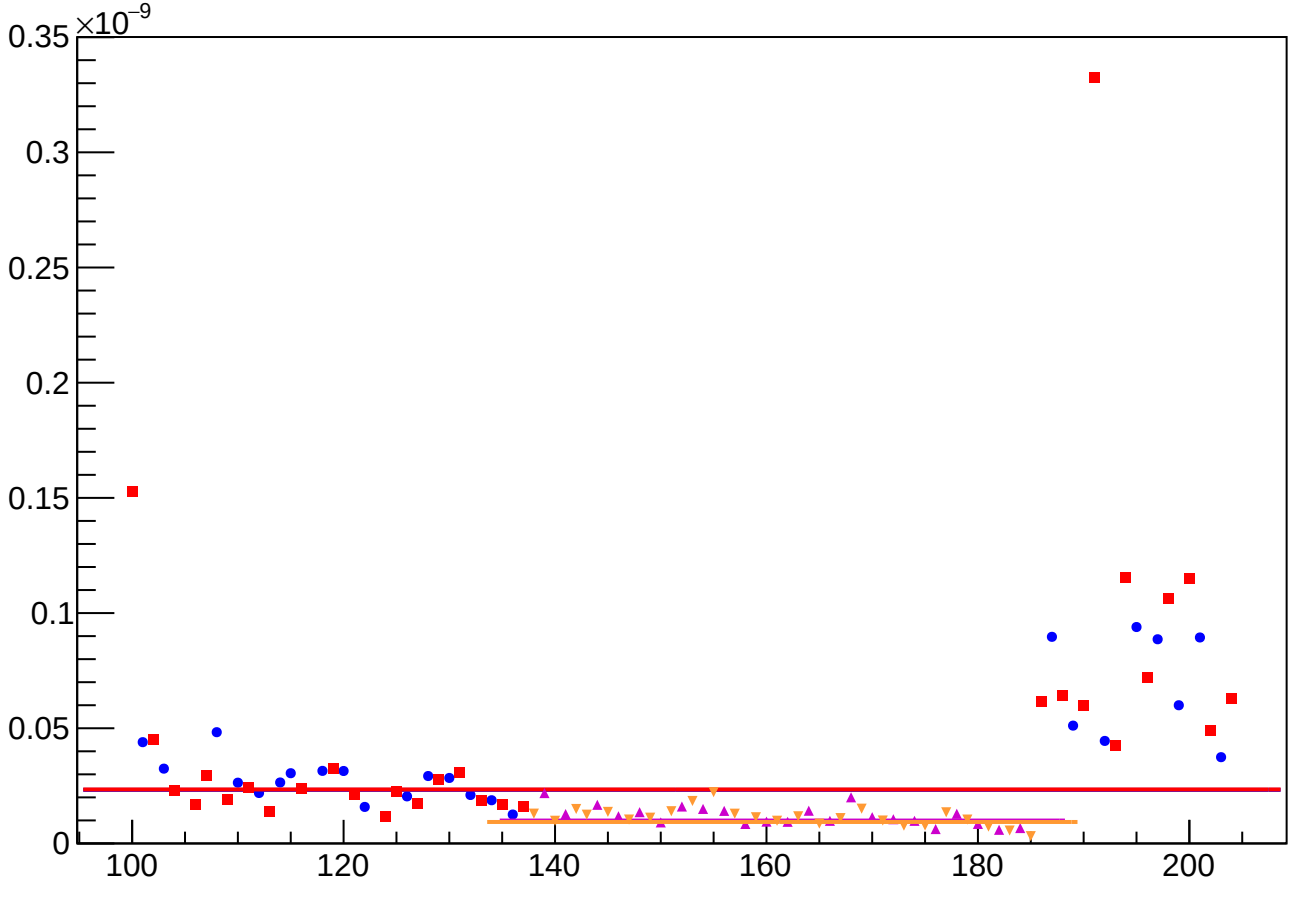
Left: 0.000+/-0.000 χ^2/NDF: 45.6/47

Right: -0.000+/-0.000 χ^2/NDF: 36.7/53

In: 0.000+/-0.000 χ^2/NDF:29.7/46

Out: 0.000+/-0.000 χ^2/NDF:52.7/54

All: 0.000+/-0.000 χ^2/NDF: 82.3/101



Right In: 0.000+/-0.000 χ^2/NDF: 3667504.6/23

Left Out: 0.000+/-0.000 χ^2/NDF:3070809.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4474480.5/29

Left In: 0.000+/-0.000 χ^2/NDF:2573277.3/22

Left: 0.000+/-0.000 χ^2/NDF: 5690216.6/47

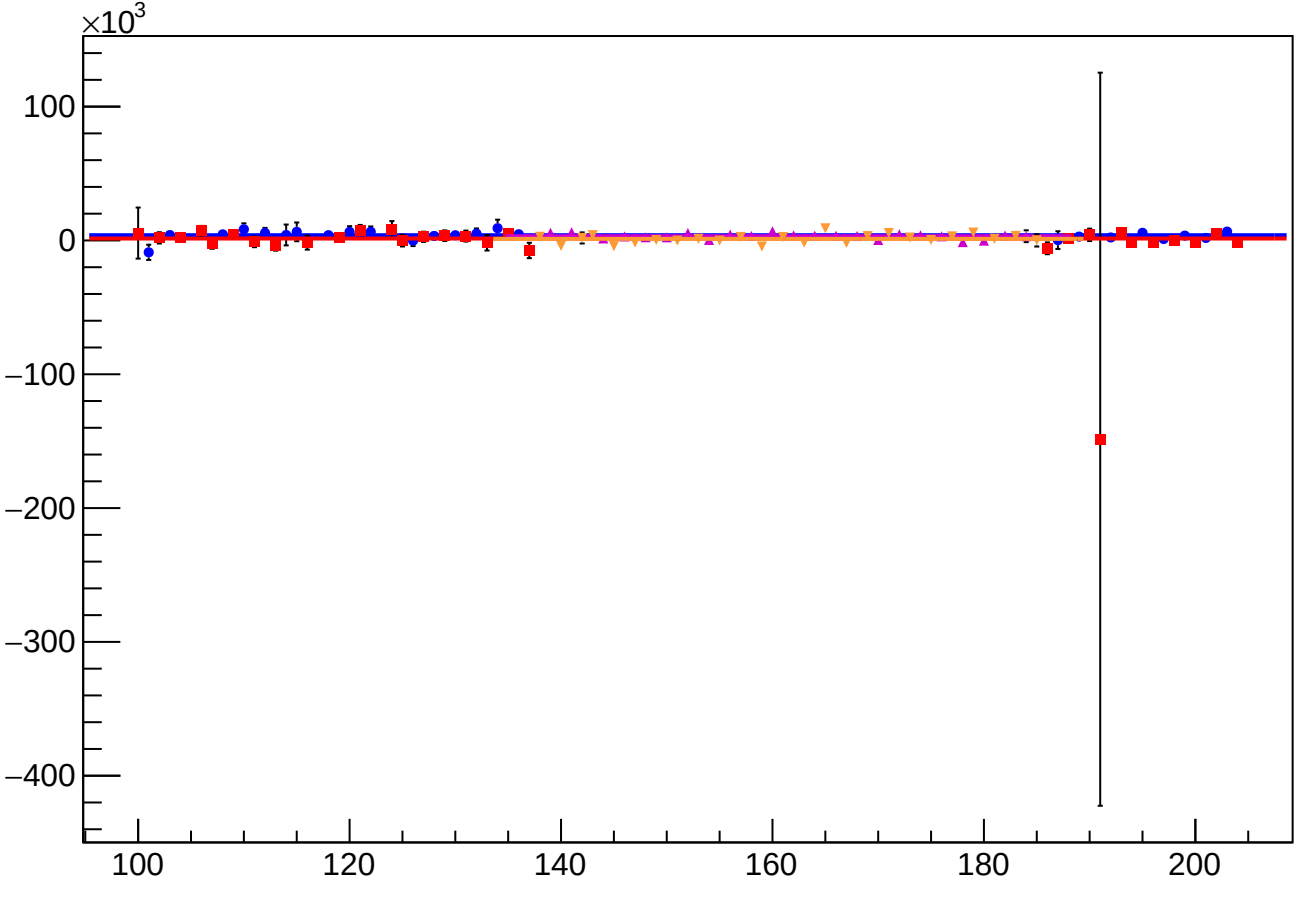
Right: 0.000+/-0.000 χ^2/NDF: 8142286.2/53

In: 0.000+/-0.000 χ^2/NDF:9600788.3/46

Out: 0.000+/-0.000 χ^2/NDF:11442088.7/54

All: 0.000+/-0.000 χ^2/NDF: 21100989.6/101

reg_asym_atr2_mean vs Slug, Sign Corrected



Right In: 3913.925+/-733.139 χ^2/NDF: 12.2/23

Left Out: 1188.836+/-556.242 χ^2/NDF:31.1/24

Right Out: 1441.482+/-683.287 χ^2/NDF: 26.7/29

Left In: 3147.419+/-569.221 χ^2/NDF:12.7/22

Left: 2145.543+/-397.832 χ^2/NDF: 49.9/47

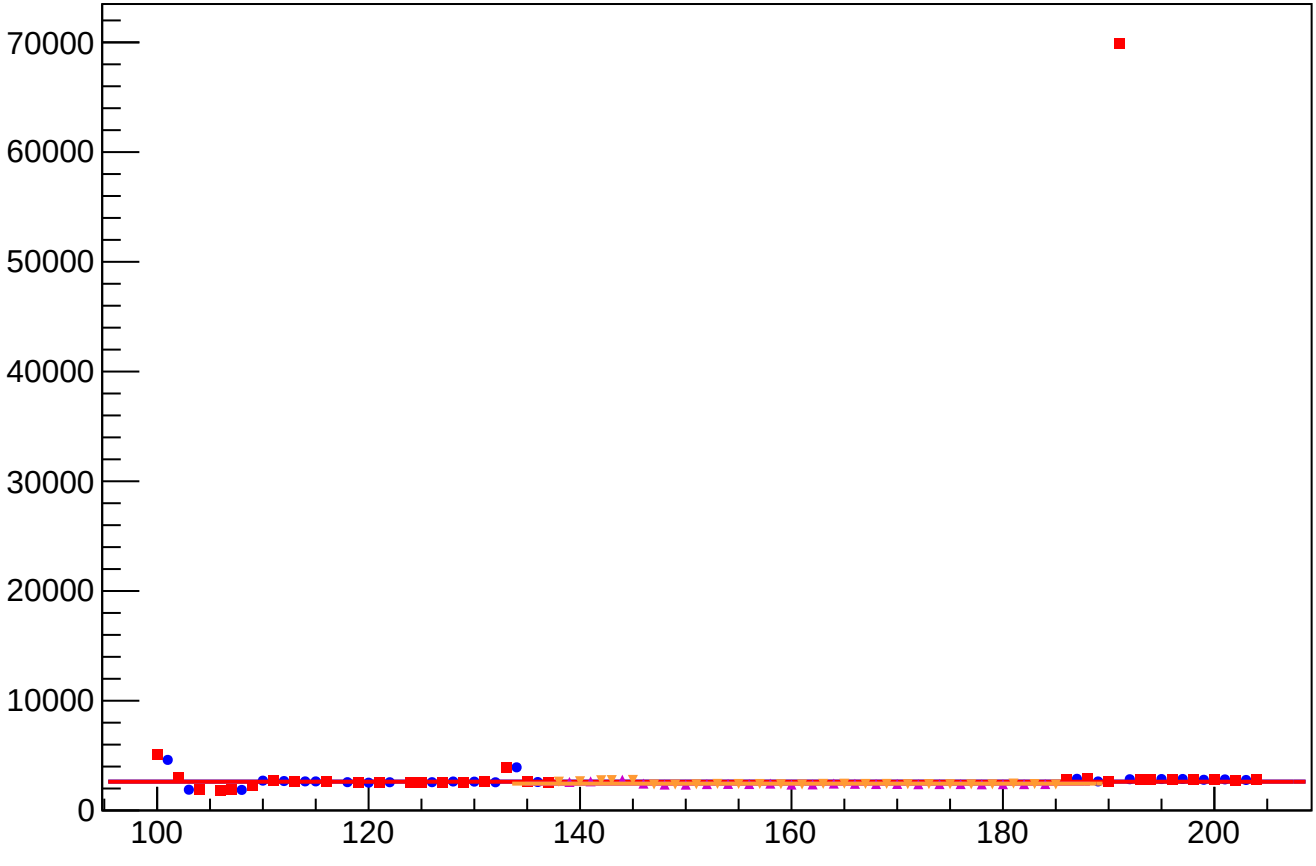
Right: 2590.791+/-499.852 χ^2/NDF: 45.0/53

In: 3435.703+/-449.613 χ^2/NDF:25.5/46

Out: 1289.533+/-431.376 χ^2/NDF:57.9/54

All: 2318.210+/-311.276 χ^2/NDF: 95.3/101

reg_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2632.073+/-0.518 χ^2/NDF: 700884.4/23

Left Out: 2445.826+/-0.393 χ^2/NDF:90014.8/24

Right Out: 2618.448+/-0.483 χ^2/NDF: 734590.7/29

Left In: 2435.950+/-0.403 χ^2/NDF:59189.9/22

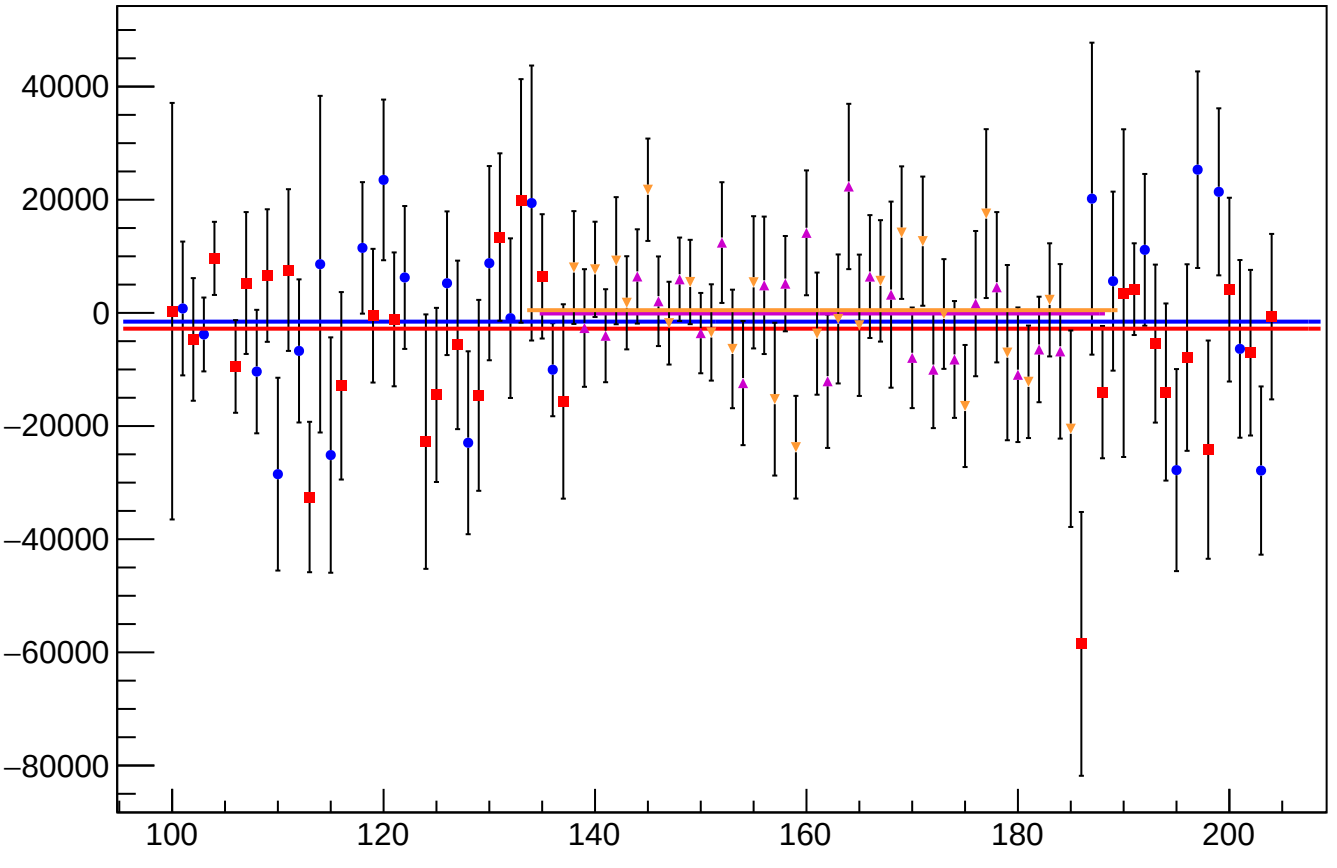
Left: 2441.002+/-0.281 χ^2/NDF: 149512.6/47

Right: 2624.781+/-0.353 χ^2/NDF: 1435844.8/53

In: 2509.712+/-0.318 χ^2/NDF:849369.4/46

Out: 2514.628+/-0.305 χ^2/NDF:901377.6/54

All: 2512.272+/-0.220 χ^2/NDF: 1750871.5/10



Right In: -1544.547+/-2709.627 χ^2/NDF: 25.8/23

Left Out: 477.187+/-2035.969 χ^2/NDF:27.4/24

Right Out: -2790.089+/-2375.880 χ^2/NDF: 26.5/29

Left In: -104.954+/-2090.899 χ^2/NDF:14.5/22

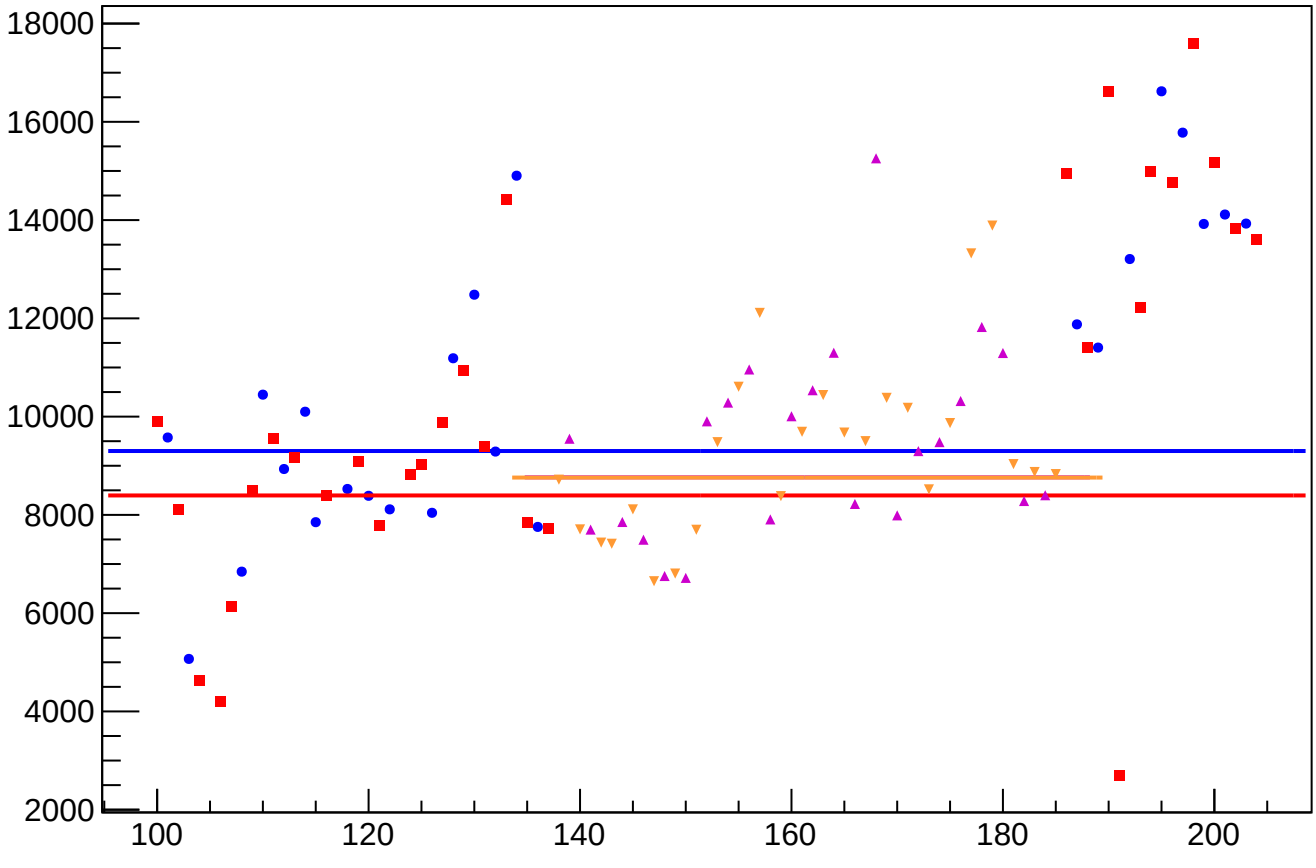
Left: 193.864+/-1458.680 χ^2/NDF: 41.9/47

Right: -2248.709+/-1786.412 χ^2/NDF: 52.3/53

In: -642.237+/-1655.355 χ^2/NDF:40.4/46

Out: -906.209+/-1545.983 χ^2/NDF:54.9/54

All: -783.231+/-1129.864 χ^2/NDF: 95.4/101



Right In: 9300.020+/-1.916 χ^2/NDF: 2706475.9/23

Left Out: 8759.635+/-1.440 χ^2/NDF:1222238.0/24

Right Out: 8395.639+/-1.680 χ^2/NDF: 5124386.1/29

Left In: 8764.138+/-1.478 χ^2/NDF:1291698.9/22

Left: 8761.827+/-1.031 χ^2/NDF: 2513941.7/47

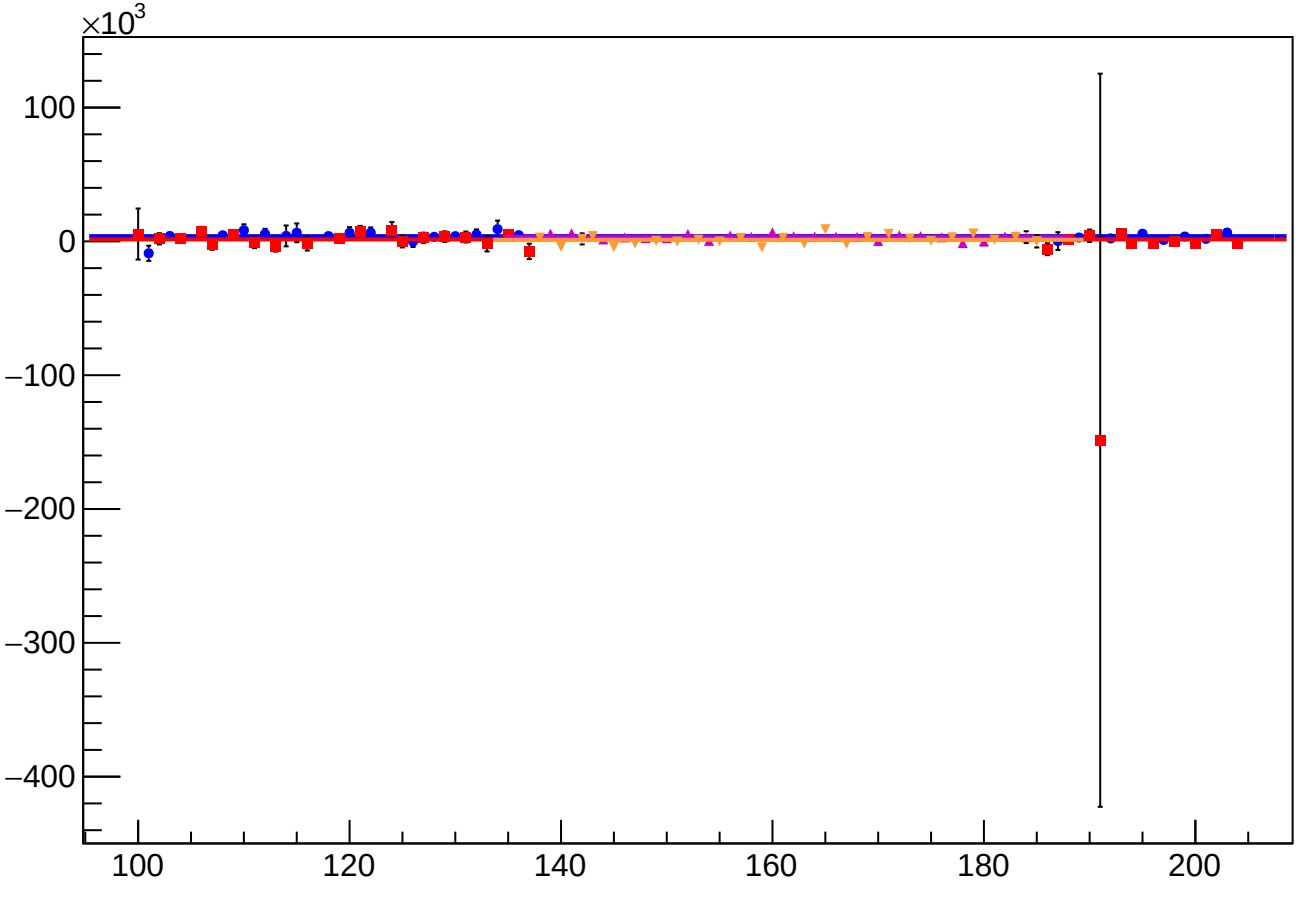
Right: 8788.732+/-1.263 χ^2/NDF: 7956820.8/53

In: 8964.139+/-1.171 χ^2/NDF:4047205.3/46

Out: 8605.515+/-1.093 χ^2/NDF:6373691.2/54

All: 8772.589+/-0.799 χ^2/NDF: 10471034.7/1

cor_asym_atr2_mean vs Slug, Sign Corrected



Right In: 3913.750+/-733.139 χ^2/NDF: 12.2/23

Left Out: 1188.666+/-556.242 χ^2/NDF:31.1/24

Right Out: 1441.826+/-683.290 χ^2/NDF: 26.7/29

Left In: 3147.222+/-569.221 χ^2/NDF:12.7/22

Left: 2145.360+/-397.832 χ^2/NDF: 49.9/47

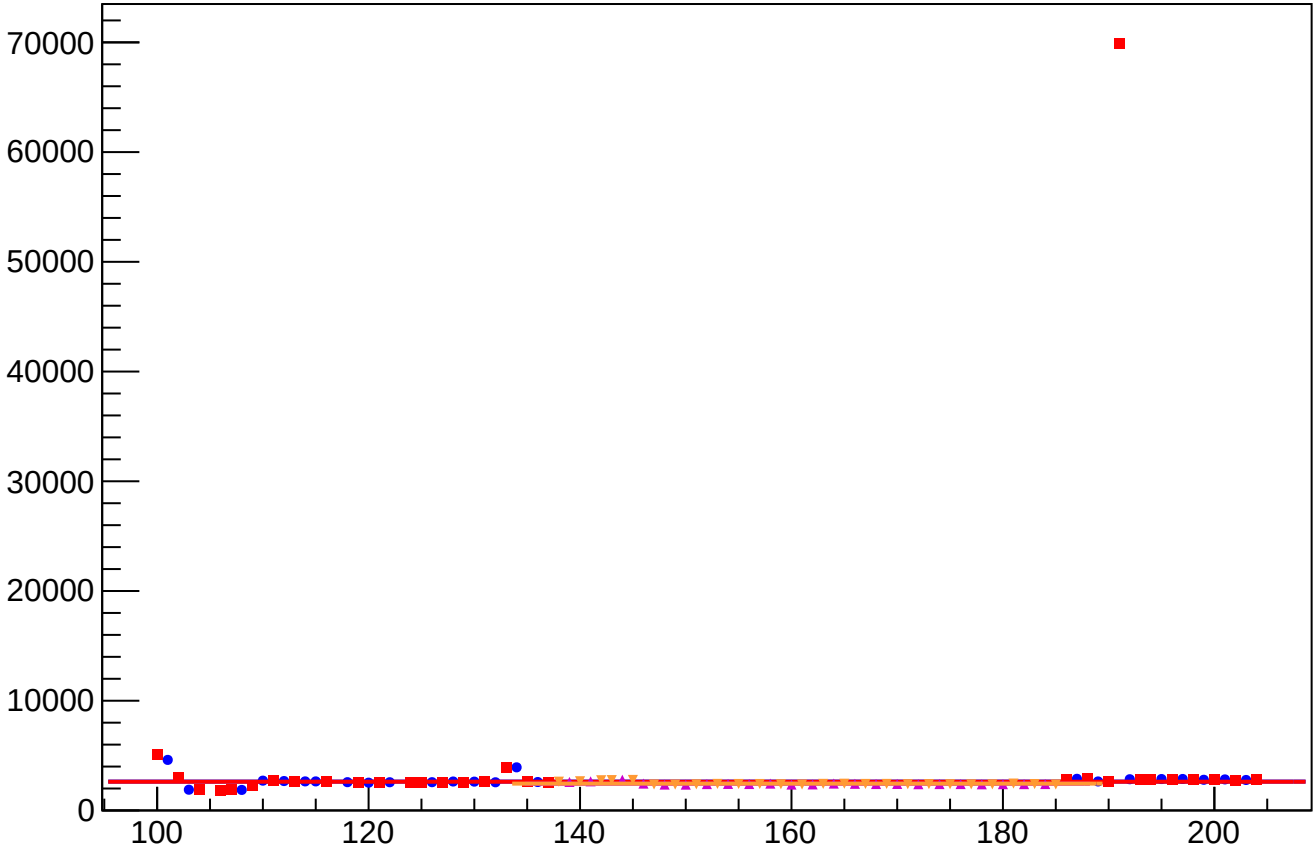
Right: 2590.899+/-499.854 χ^2/NDF: 45.0/53

In: 3435.514+/-449.613 χ^2/NDF:25.5/46

Out: 1289.568+/-431.377 χ^2/NDF:58.0/54

All: 2318.140+/-311.277 χ^2/NDF: 95.3/101

cor_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2632.073+/-0.518 χ^2/NDF: 700881.6/23

Left Out: 2445.826+/-0.393 χ^2/NDF:90014.8/24

Right Out: 2618.463+/-0.483 χ^2/NDF: 734515.9/29

Left In: 2435.950+/-0.403 χ^2/NDF:59189.9/22

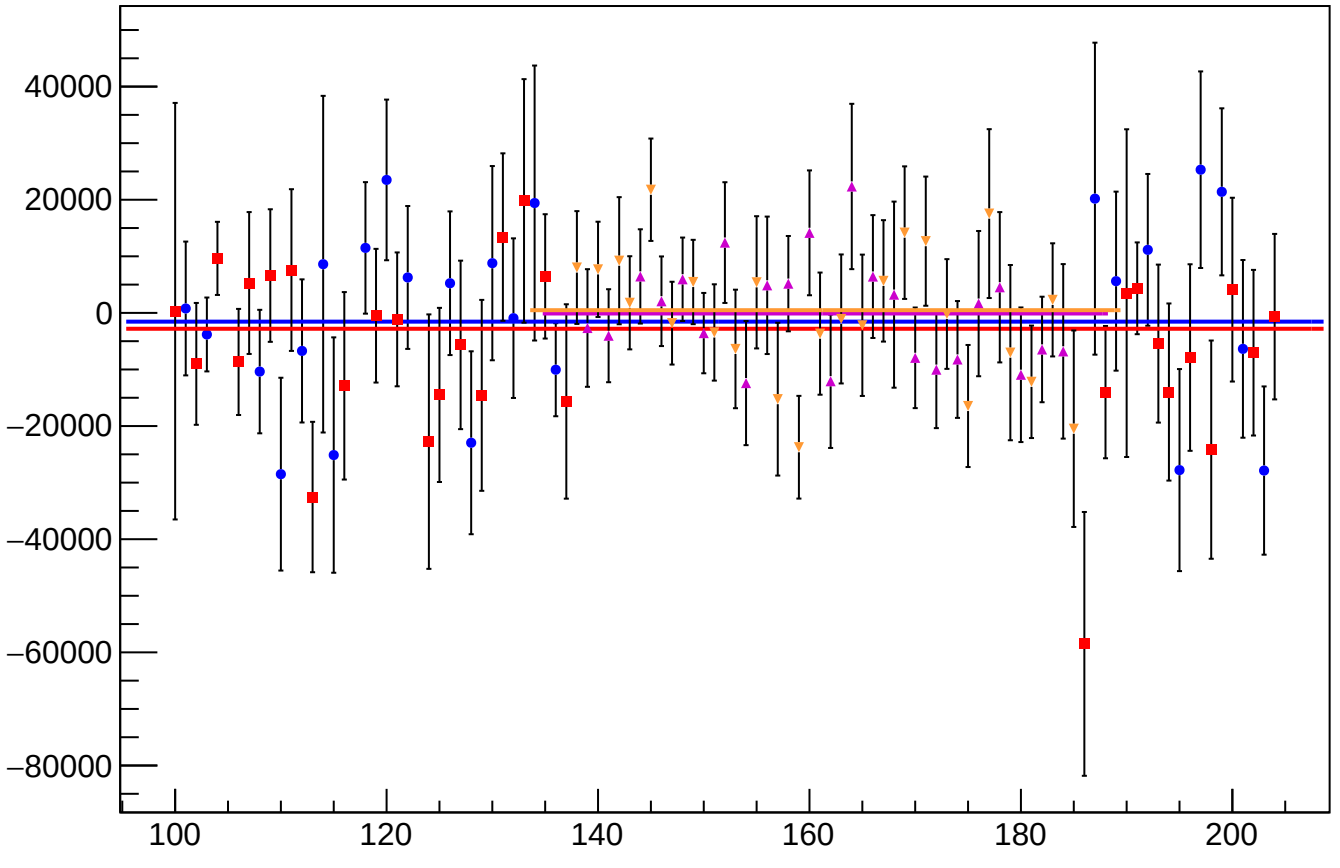
Left: 2441.002+/-0.281 χ^2/NDF: 149512.6/47

Right: 2624.790+/-0.353 χ^2/NDF: 1435766.5/53

In: 2509.712+/-0.318 χ^2/NDF:849367.1/46

Out: 2514.634+/-0.305 χ^2/NDF:901315.6/54

All: 2512.275+/-0.220 χ^2/NDF: 1750807.5/10



Right In: -1544.238+/-2709.687 χ^2/NDF: 25.8/23

Left Out: 477.198+/-2035.967 χ^2/NDF:27.4/24

Right Out: -2805.107+/-2399.385 χ^2/NDF: 26.5/29

Left In: -105.025+/-2090.897 χ^2/NDF:14.5/22

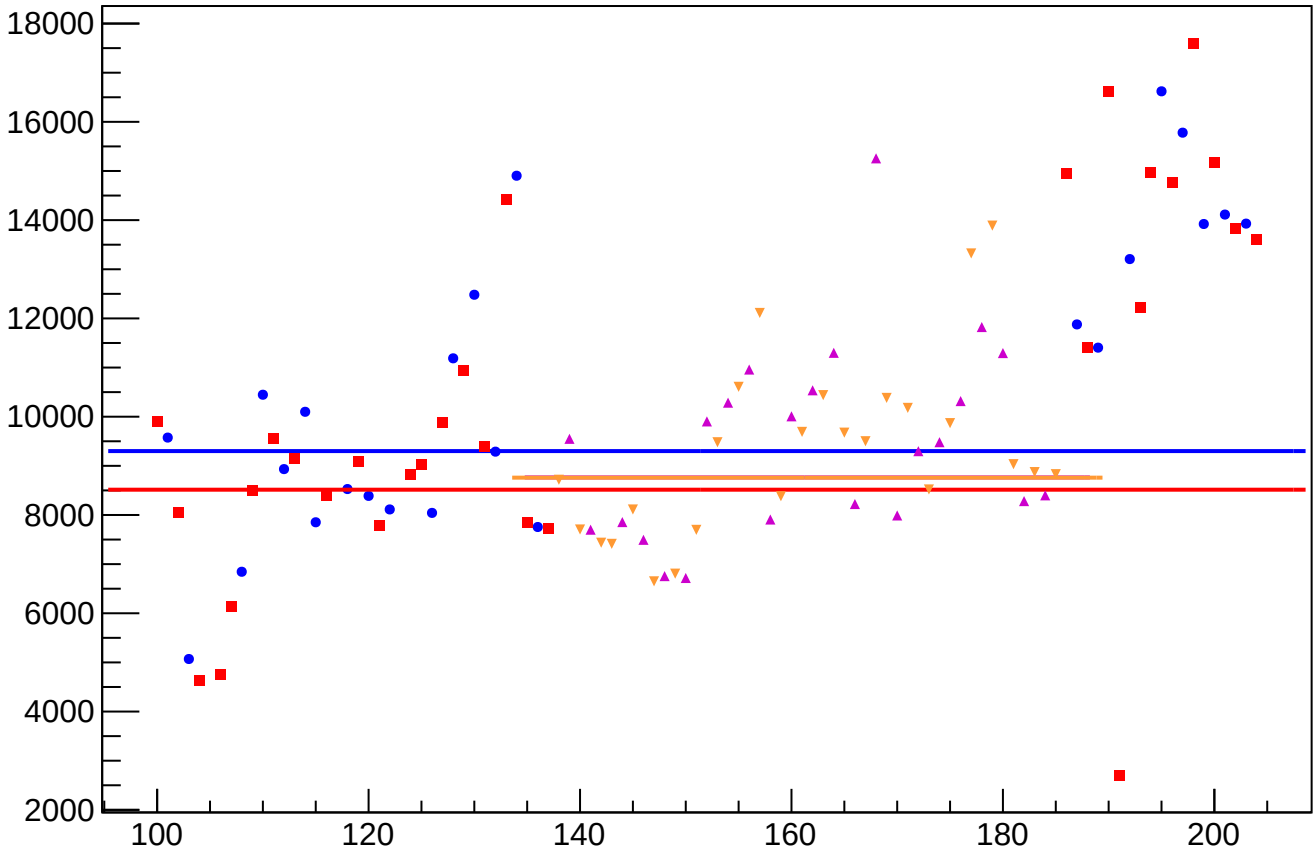
Left: 193.835+/-1458.679 χ^2/NDF: 41.9/47

Right: -2250.971+/-1796.356 χ^2/NDF: 52.4/53

In: -642.151+/-1655.368 χ^2/NDF:40.4/46

Out: -896.807+/-1552.403 χ^2/NDF:55.0/54

All: -777.644+/-1132.367 χ^2/NDF: 95.4/101



Right In: 9300.331+/-1.916 χ^2/NDF: 2705975.6/23

Left Out: 8759.625+/-1.440 χ^2/NDF:1222248.8/24

Right Out: 8514.598+/-1.697 χ^2/NDF: 4893985.1/29

Left In: 8764.132+/-1.478 χ^2/NDF:1291700.3/22

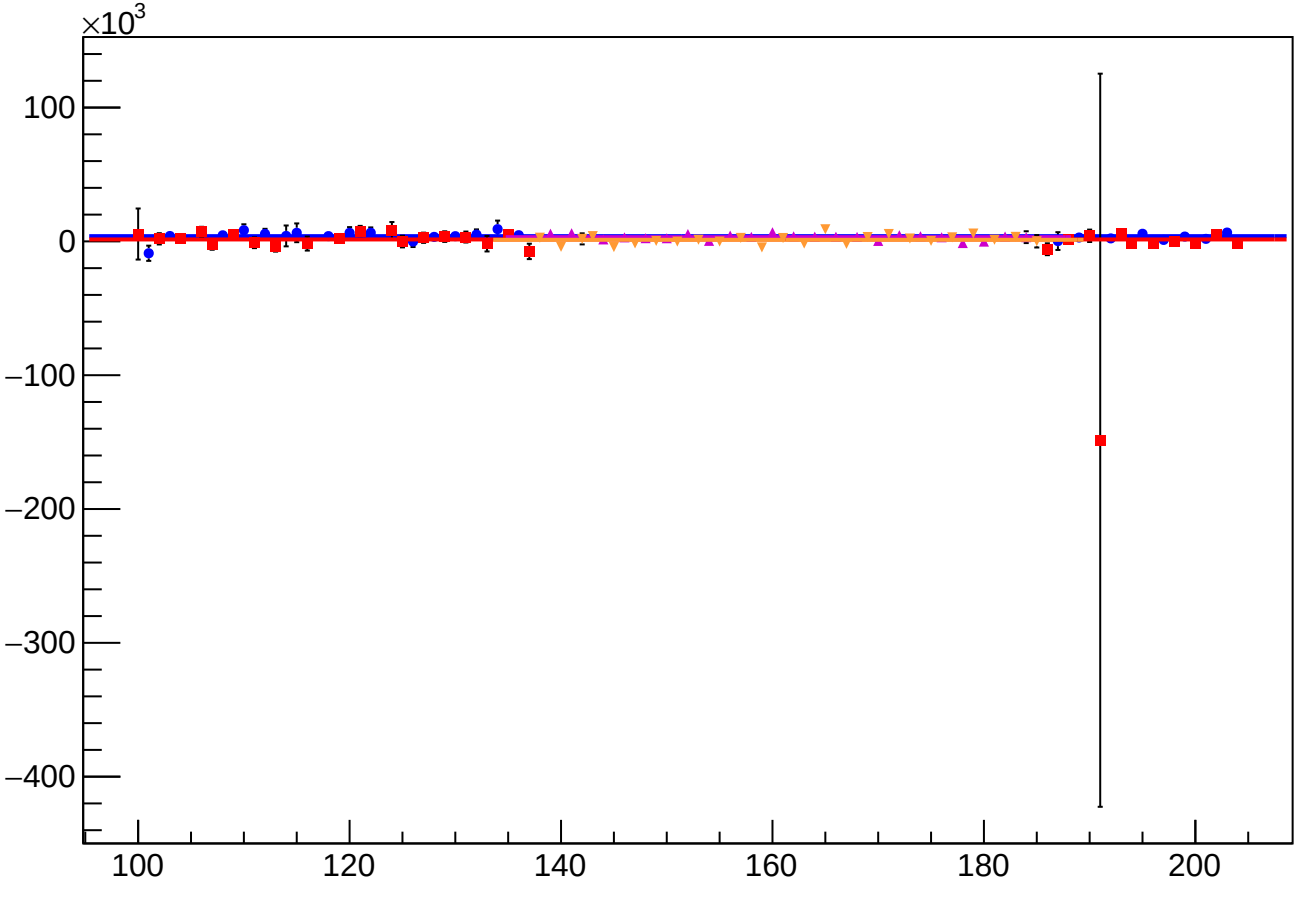
Left: 8761.819+/-1.031 χ^2/NDF: 2513953.9/47

Right: 8859.917+/-1.270 χ^2/NDF: 7694220.8/53

In: 8964.246+/-1.171 χ^2/NDF:4046762.9/46

Out: 8657.054+/-1.098 χ^2/NDF:6128360.2/54

All: 8800.800+/-0.801 χ^2/NDF: 10211769.0/1



Right In: 3913.750+/-733.139 χ^2/NDF: 12.2/23

Left Out: 1188.666+/-556.242 χ^2/NDF:31.1/24

Right Out: 1441.826+/-683.290 χ^2/NDF: 26.7/29

Left In: 3147.222+/-569.221 χ^2/NDF:12.7/22

Left: 2145.360+/-397.832 χ^2/NDF: 49.9/47

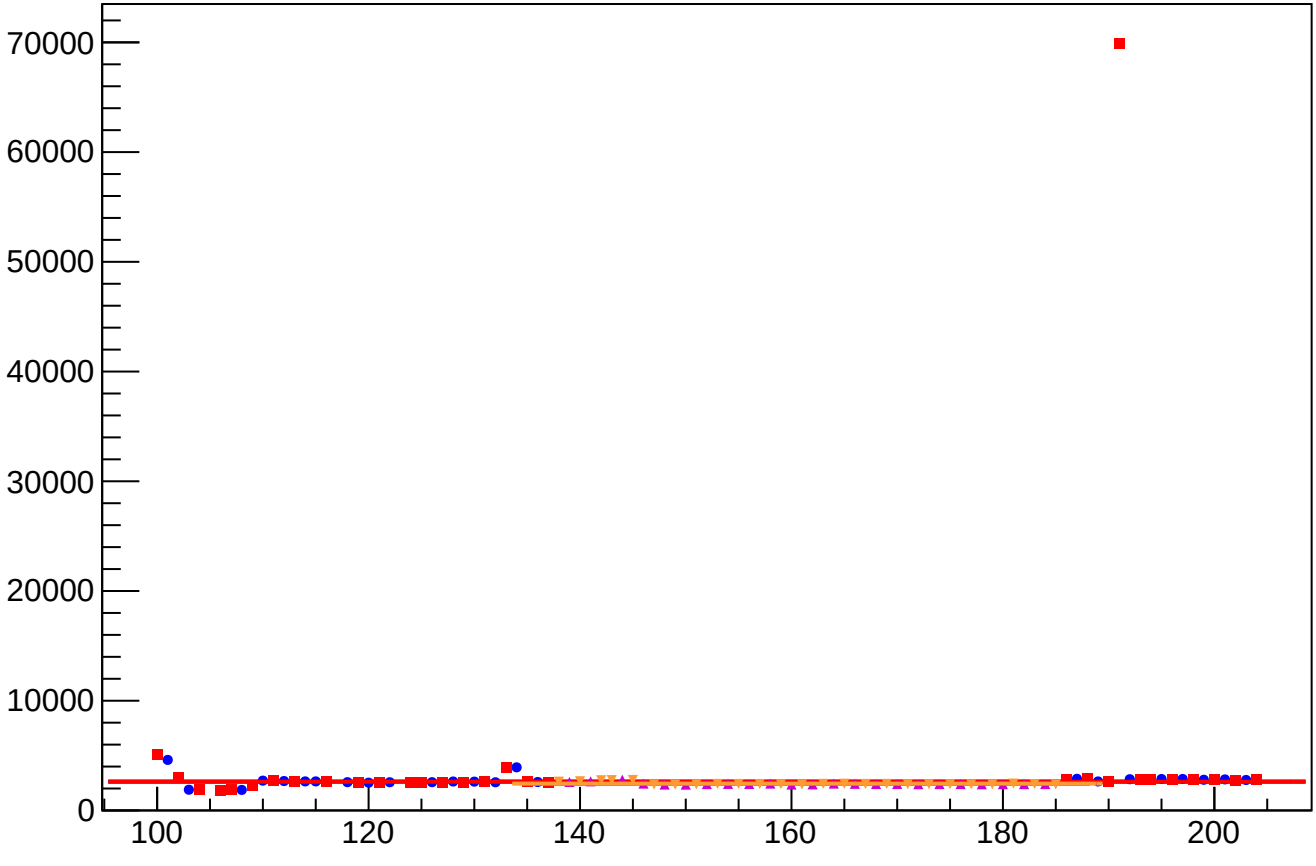
Right: 2590.899+/-499.854 χ^2/NDF: 45.0/53

In: 3435.514+/-449.613 χ^2/NDF:25.5/46

Out: 1289.568+/-431.377 χ^2/NDF:58.0/54

All: 2318.140+/-311.277 χ^2/NDF: 95.3/101

eigen_cor_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2632.073+/-0.518 χ^2/NDF: 700881.6/23

Left Out: 2445.826+/-0.393 χ^2/NDF:90014.8/24

Right Out: 2618.463+/-0.483 χ^2/NDF: 734515.9/29

Left In: 2435.950+/-0.403 χ^2/NDF:59189.9/22

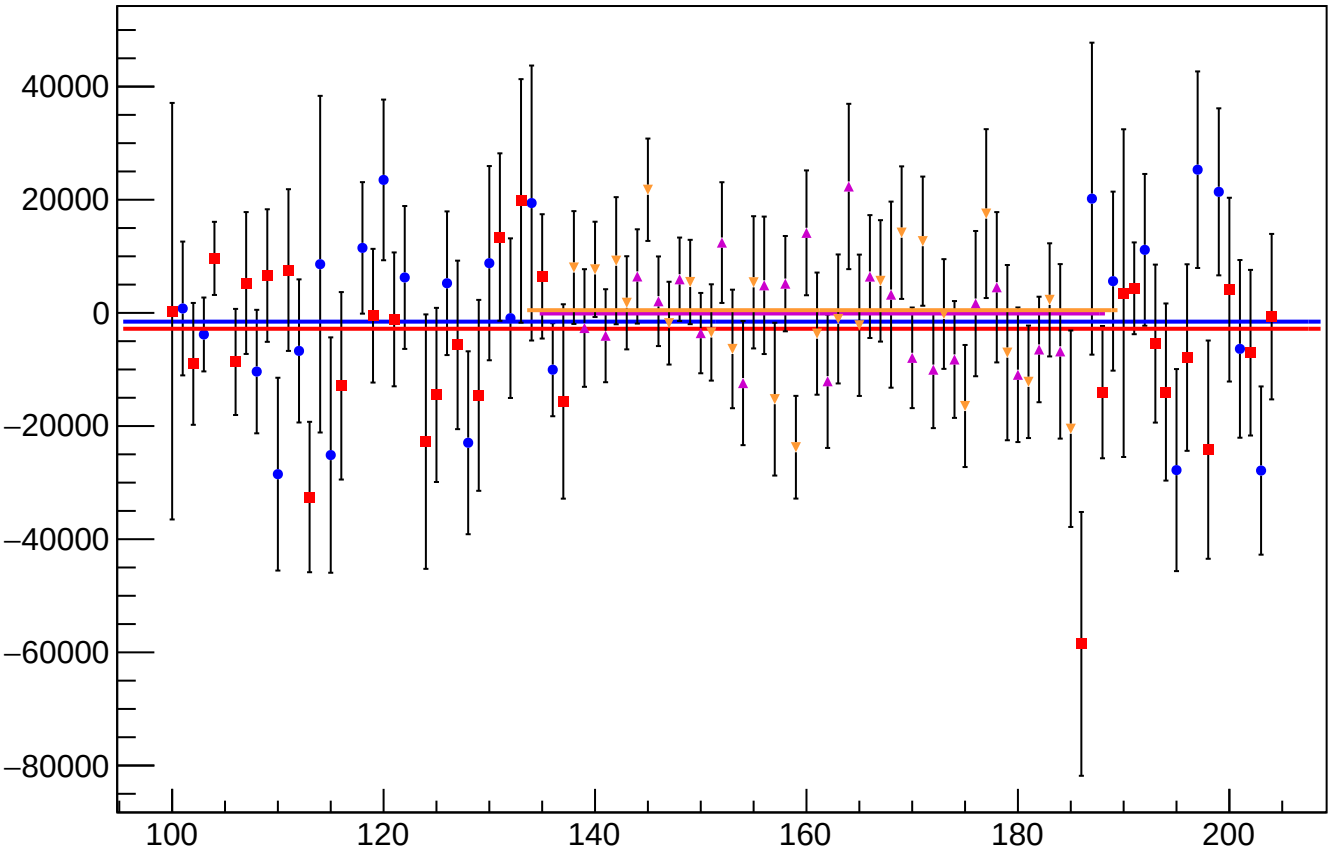
Left: 2441.002+/-0.281 χ^2/NDF: 149512.6/47

Right: 2624.790+/-0.353 χ^2/NDF: 1435766.5/53

In: 2509.712+/-0.318 χ^2/NDF:849367.1/46

Out: 2514.634+/-0.305 χ^2/NDF:901315.6/54

All: 2512.275+/-0.220 χ^2/NDF: 1750807.5/10



Right In: -1544.238+/-2709.687 χ^2/NDF: 25.8/23

Left Out: 477.198+/-2035.967 χ^2/NDF:27.4/24

Right Out: -2805.107+/-2399.385 χ^2/NDF: 26.5/29

Left In: -105.025+/-2090.897 χ^2/NDF:14.5/22

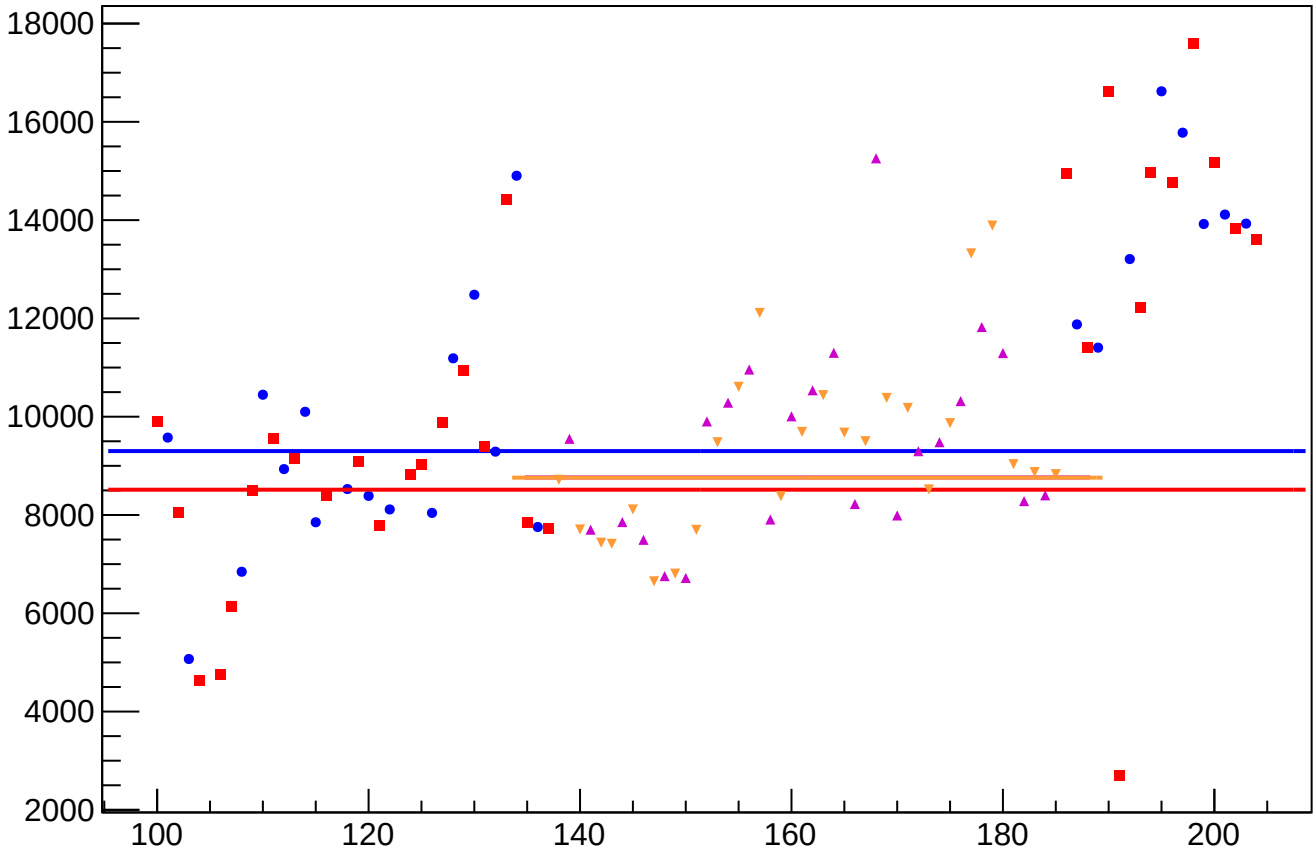
Left: 193.835+/-1458.679 χ^2/NDF: 41.9/47

Right: -2250.971+/-1796.356 χ^2/NDF: 52.4/53

In: -642.151+/-1655.368 χ^2/NDF:40.4/46

Out: -896.807+/-1552.403 χ^2/NDF:55.0/54

All: -777.644+/-1132.367 χ^2/NDF: 95.4/101



Right In: 9300.331+/-1.916 χ^2/NDF: 2705975.6/23

Left Out: 8759.625+/-1.440 χ^2/NDF:1222248.8/24

Right Out: 8514.598+/-1.697 χ^2/NDF: 4893985.1/29

Left In: 8764.132+/-1.478 χ^2/NDF:1291700.3/22

Left: 8761.819+/-1.031 χ^2/NDF: 2513953.9/47

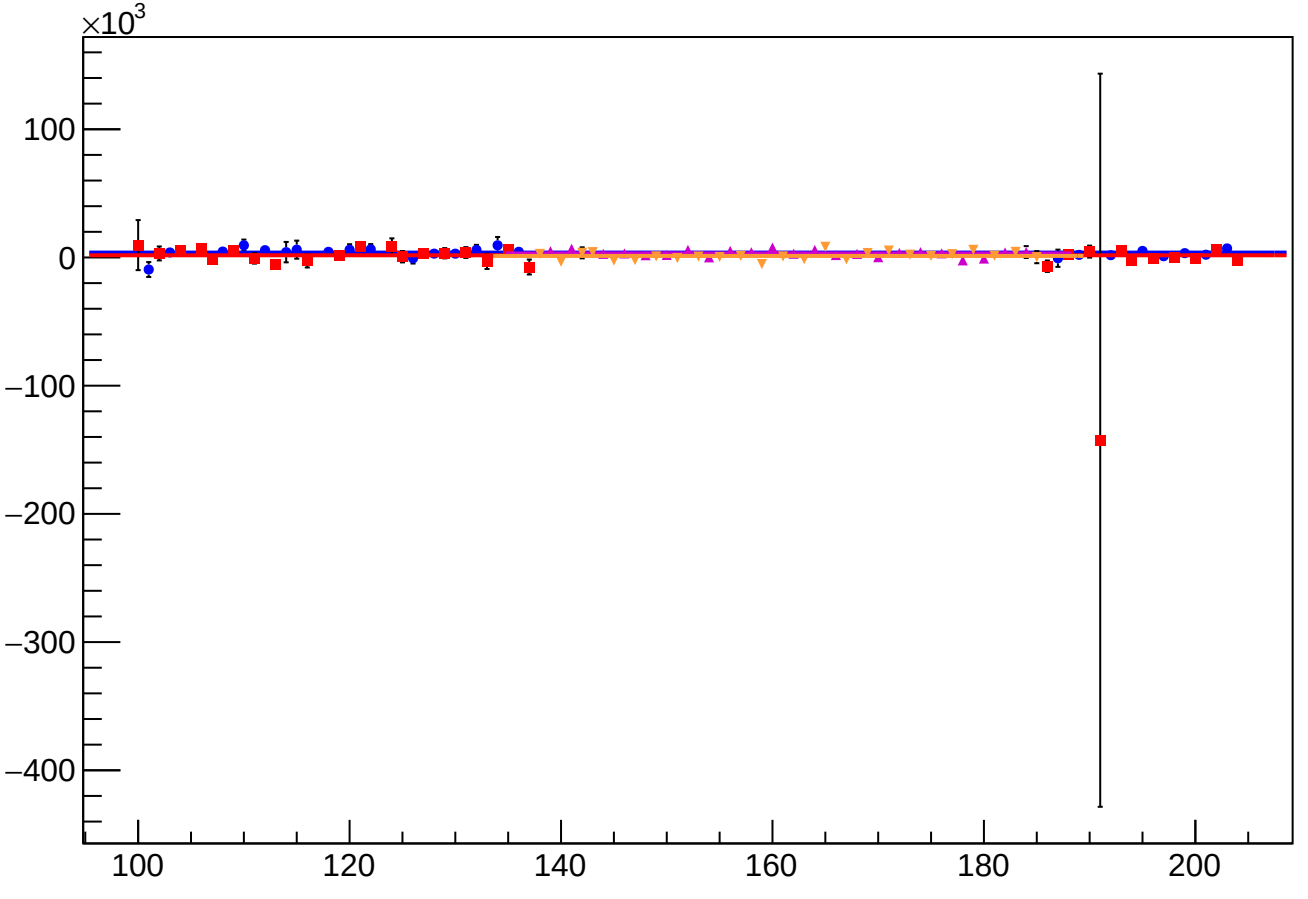
Right: 8859.917+/-1.270 χ^2/NDF: 7694220.8/53

In: 8964.246+/-1.171 χ^2/NDF:4046762.9/46

Out: 8657.054+/-1.098 χ^2/NDF:6128360.2/54

All: 8800.800+/-0.801 χ^2/NDF: 10211769.0/1

dit_asym_atr2_mean vs Slug, Sign Corrected



Right In: 3817.696+/-757.866 χ^2/NDF: 13.8/23

Left Out: 1213.875+/-579.693 χ^2/NDF:26.8/24

Right Out: 1706.449+/-707.584 χ^2/NDF: 31.1/29

Left In: 3150.265+/-592.116 χ^2/NDF:16.5/22

Left: 2161.543+/-414.227 χ^2/NDF: 48.7/47

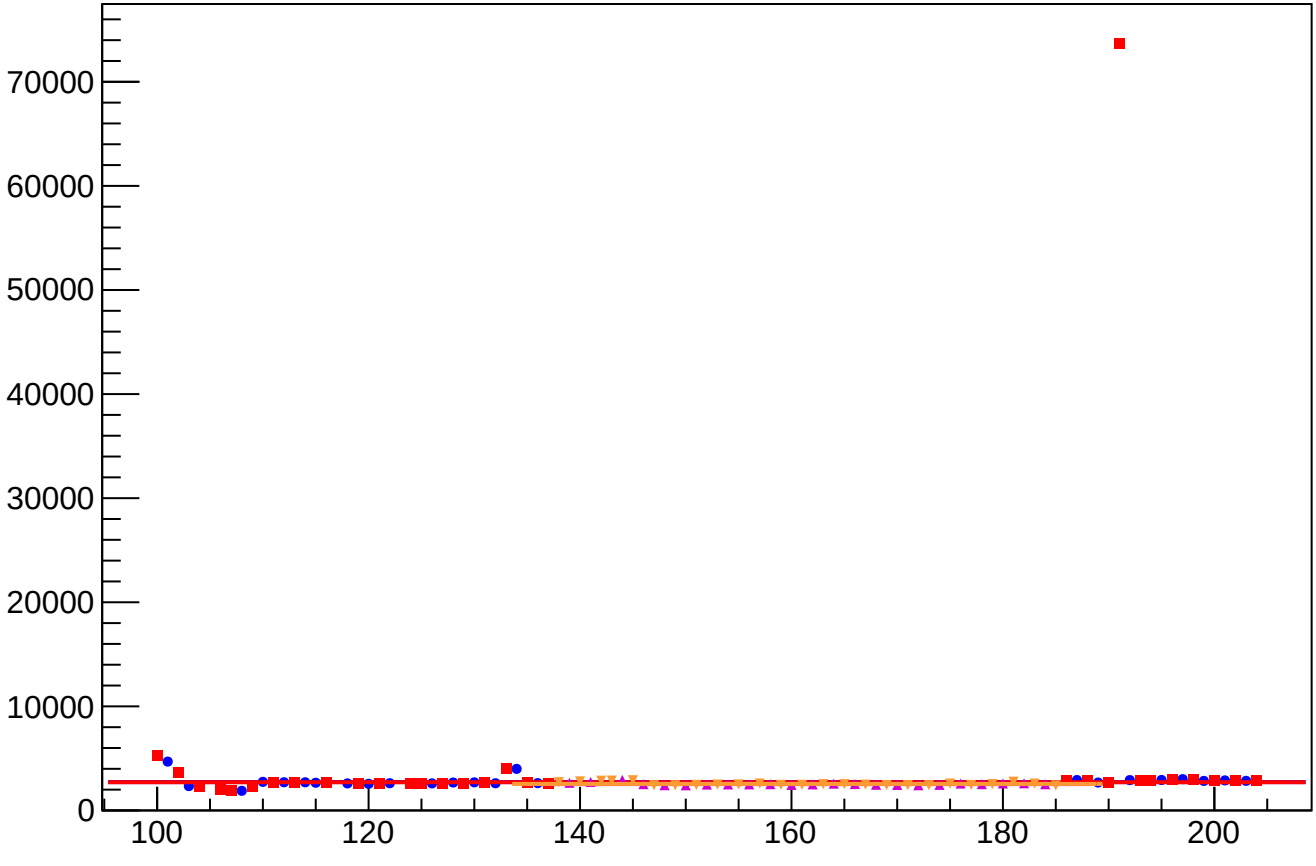
Right: 2689.718+/-517.200 χ^2/NDF: 49.0/53

In: 3403.251+/-466.592 χ^2/NDF:30.7/46

Out: 1411.703+/-448.421 χ^2/NDF:58.2/54

All: 2367.944+/-323.315 χ^2/NDF: 98.4/101

dit_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2728.096+/-0.536 χ^2/NDF: 552640.3/23

Left Out: 2547.154+/-0.410 χ^2/NDF:117298.5/24

Right Out: 2711.075+/-0.500 χ^2/NDF: 637394.1/29

Left In: 2532.772+/-0.419 χ^2/NDF:68441.1/22

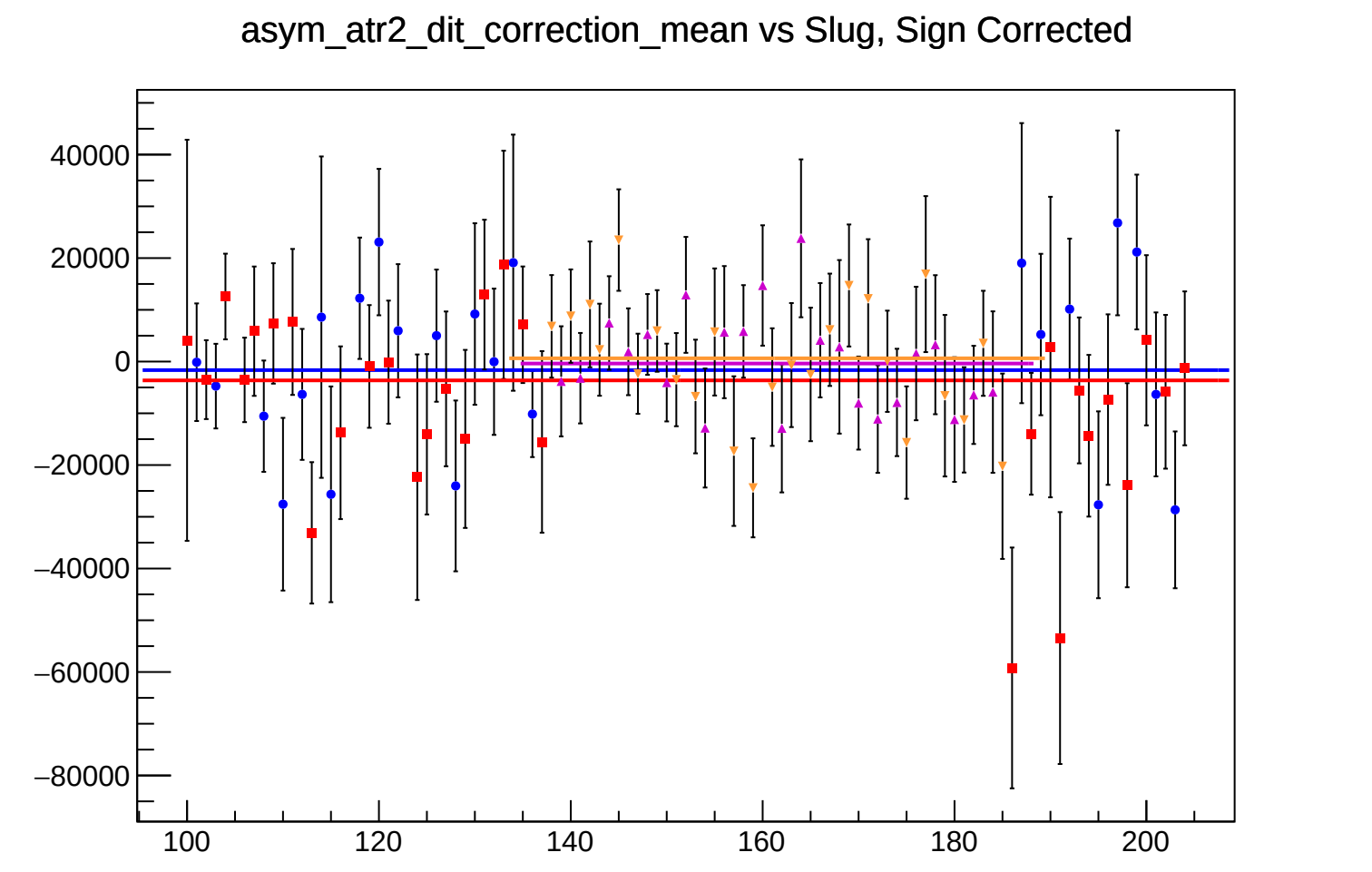
Left: 2540.116+/-0.293 χ^2/NDF: 186342.1/47

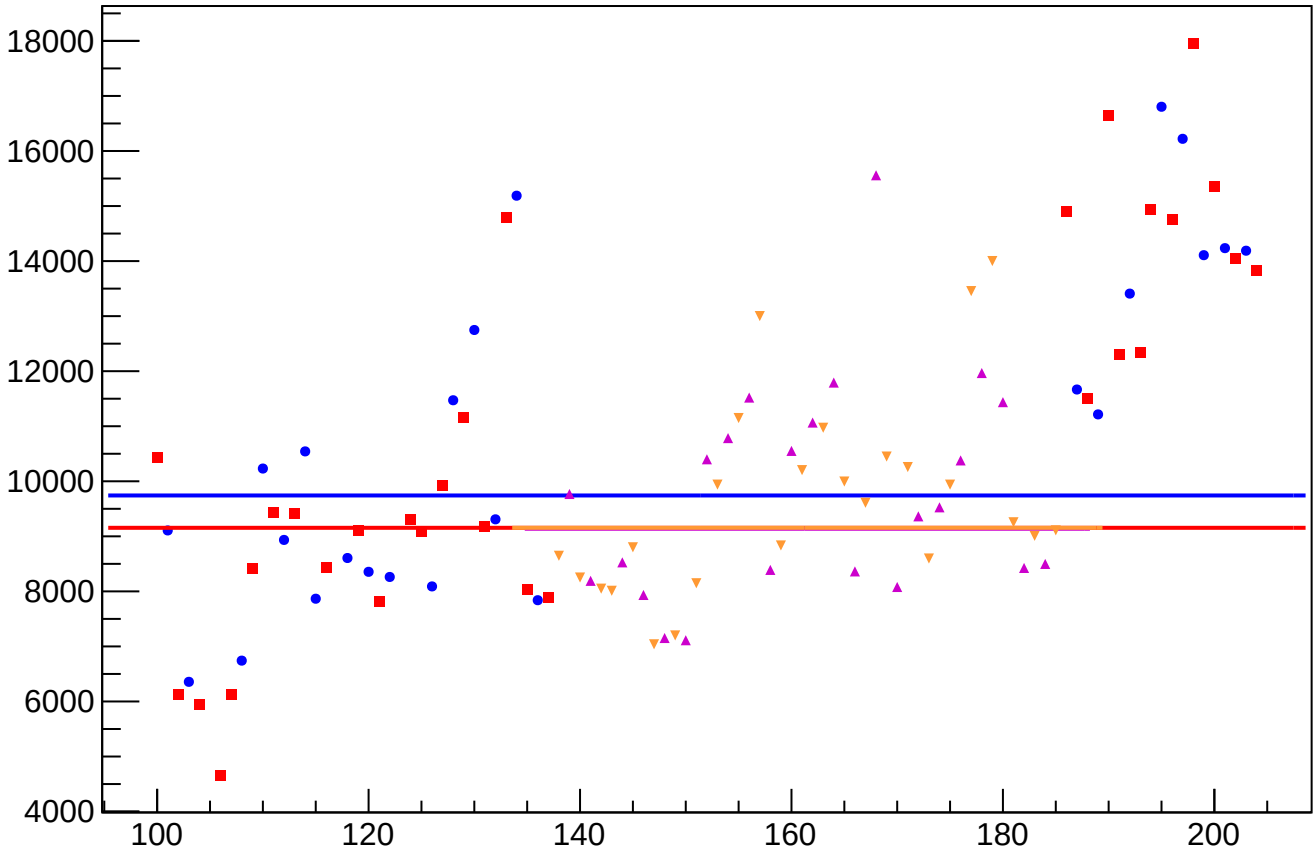
Right: 2719.000+/-0.366 χ^2/NDF: 1190573.5/53

In: 2606.809+/-0.330 χ^2/NDF:703574.7/46

Out: 2613.013+/-0.317 χ^2/NDF:818944.2/54

All: 2610.034+/-0.229 χ^2/NDF: 1522702.7/10


asym_atr2_dit_correction_mean vs Slug, Sign Corrected
40000
20000
0
−20000
−40000
−60000
−80000
100
120
140
160
180
200
Right In: -1651.928+/-2807.987 χ²/NDF: 25.6/23
Left Out: 631.360+/-2123.101 χ²/NDF:26.7/24
Right Out: -3637.632+/-2490.588 χ²/NDF: 28.9/29
Left In: -377.922+/-2176.347 χ²/NDF:14.2/22
Left: 139.216+/-1519.735 χ²/NDF: 41.0/47
Right: -2763.304+/-1863.267 χ²/NDF: 54.8/53
In: -856.028+/-1720.171 χ²/NDF:40.0/46
Out: -1165.249+/-1615.719 χ²/NDF:57.3/54
All: -1020.311+/-1177.682 χ²/NDF: 97.3/101



Right In: 9742.289+/-1.986 χ^2/NDF: 2158983.4/23

Left Out: 9154.688+/-1.501 χ^2/NDF:1072073.9/24

Right Out: 9154.785+/-1.761 χ^2/NDF: 3648082.5/29

Left In: 9137.576+/-1.539 χ^2/NDF:1172792.2/22

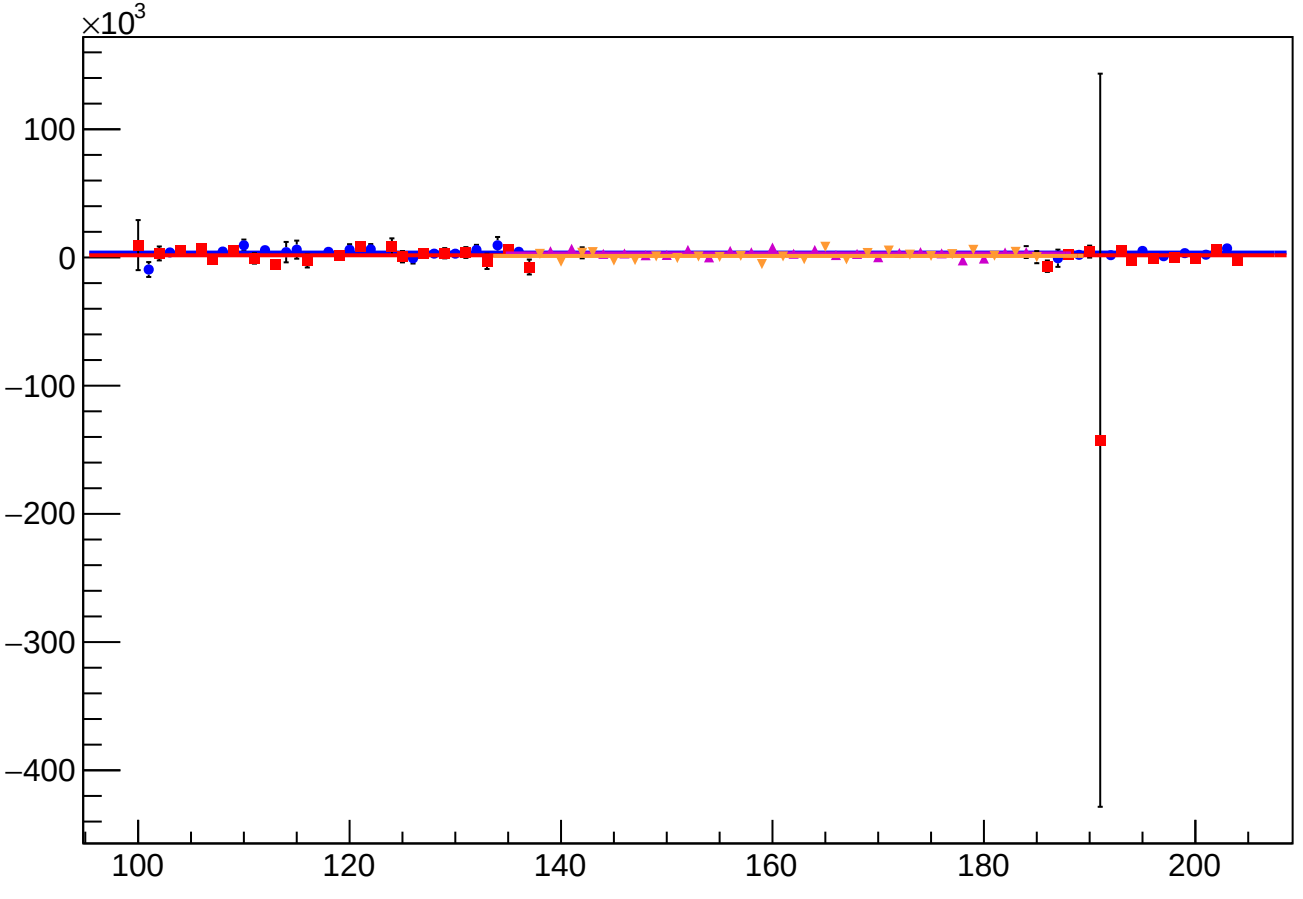
Left: 9146.344+/-1.075 χ^2/NDF: 2244929.5/47

Right: 9413.470+/-1.318 χ^2/NDF: 5856067.3/53

In: 9364.511+/-1.216 χ^2/NDF:3389721.8/46

Out: 9154.729+/-1.142 χ^2/NDF:4720156.5/54

All: 9253.058+/-0.833 χ^2/NDF: 8125681.6/10



Right In: 3817.695+/-757.866 χ^2/NDF: 13.8/23

Left Out: 1213.864+/-579.693 χ^2/NDF:26.8/24

Right Out: 1706.452+/-707.584 χ^2/NDF: 31.1/29

Left In: 3150.264+/-592.117 χ^2/NDF:16.5/22

Left: 2161.537+/-414.228 χ^2/NDF: 48.7/47

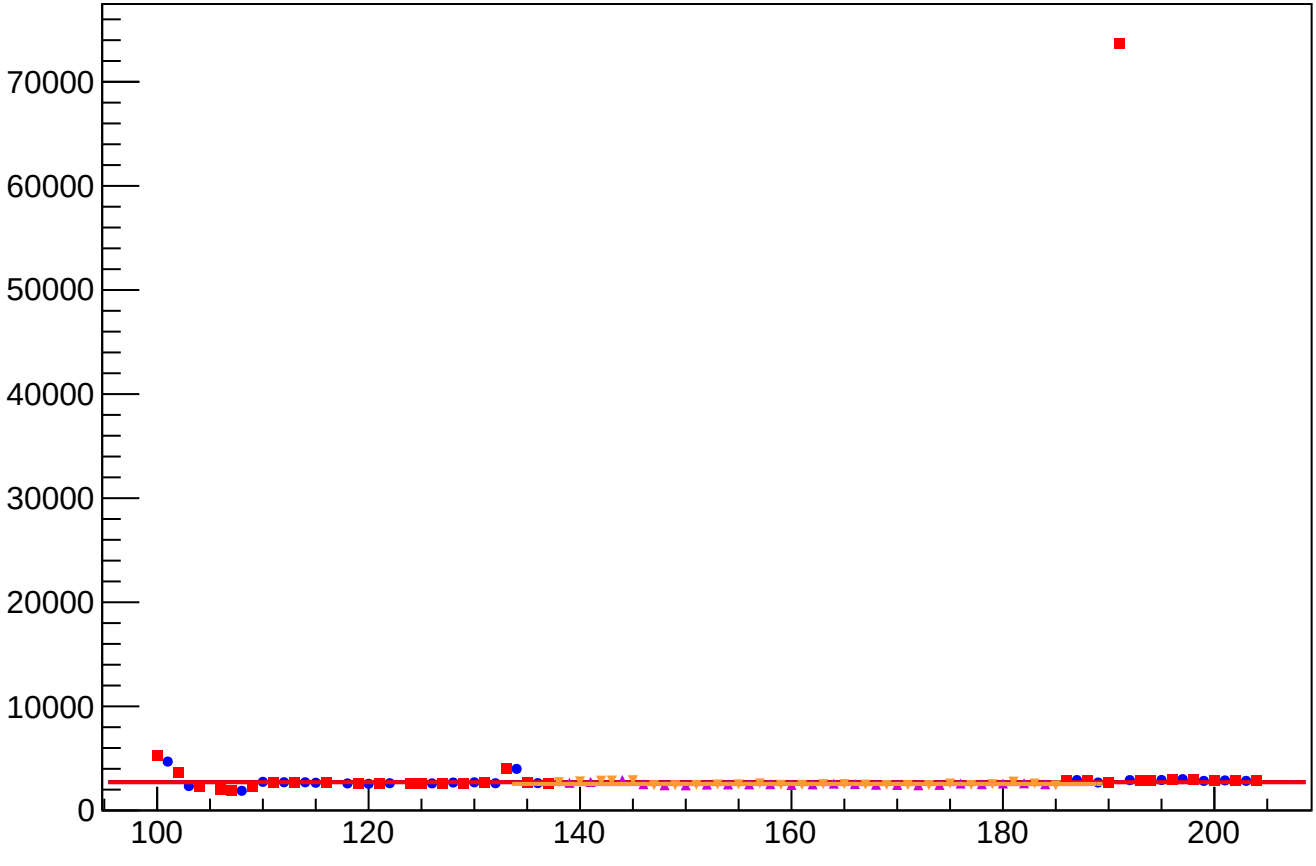
Right: 2689.719+/-517.200 χ^2/NDF: 49.0/53

In: 3403.251+/-466.592 χ^2/NDF:30.7/46

Out: 1411.698+/-448.421 χ^2/NDF:58.2/54

All: 2367.940+/-323.315 χ^2/NDF: 98.4/101

eigen_dit_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2728.096+/-0.536 χ^2/NDF: 552641.0/23

Left Out: 2547.156+/-0.410 χ^2/NDF:117298.5/24

Right Out: 2711.076+/-0.500 χ^2/NDF: 637394.1/29

Left In: 2532.774+/-0.419 χ^2/NDF:68440.8/22

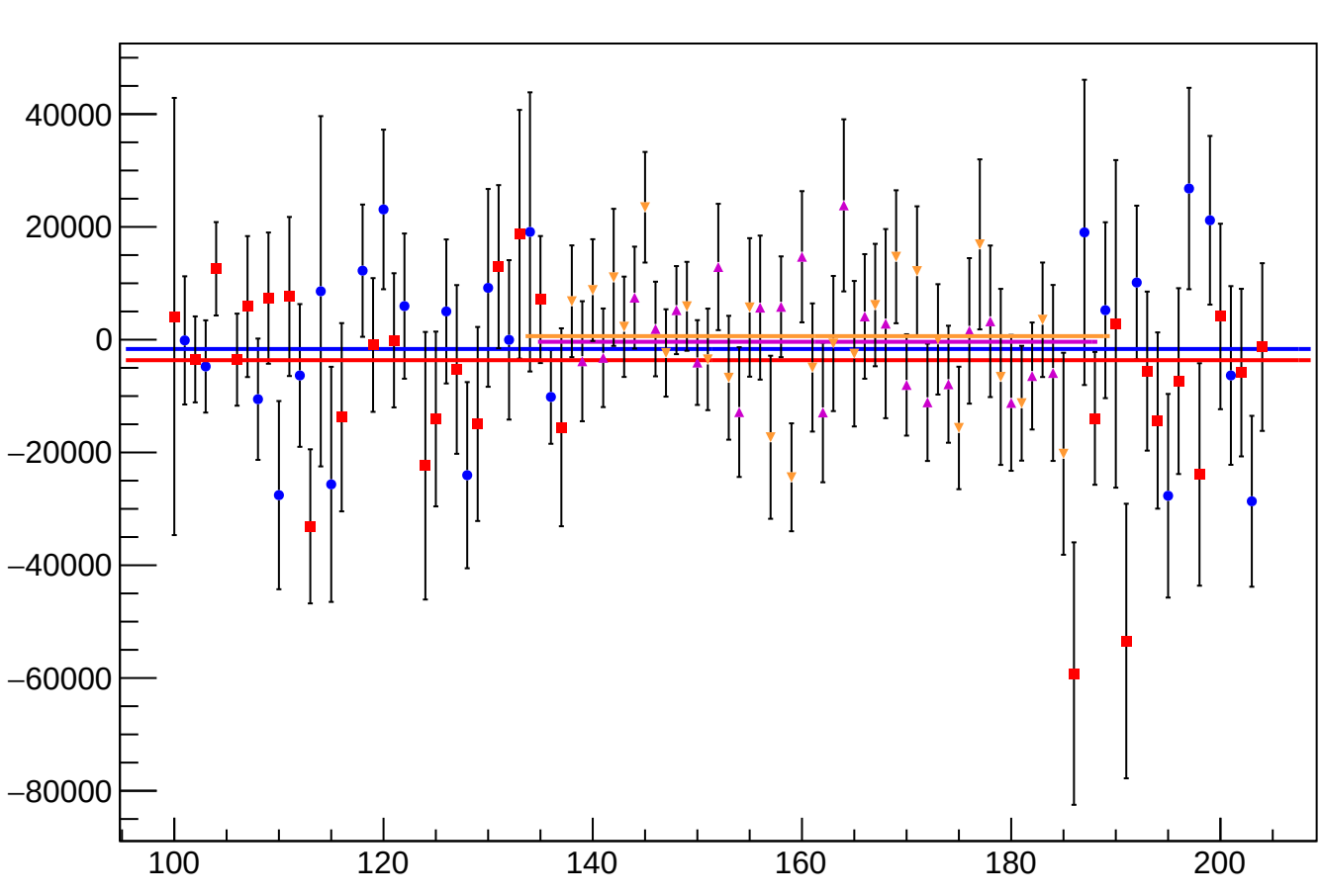
Left: 2540.117+/-0.293 χ^2/NDF: 186341.7/47

Right: 2719.000+/-0.366 χ^2/NDF: 1190574.2/53

In: 2606.810+/-0.330 χ^2/NDF:703573.1/46

Out: 2613.014+/-0.317 χ^2/NDF:818943.1/54

All: 2610.036+/-0.229 χ^2/NDF: 1522700.0/10



Right In: -1651.904+/-2807.985 χ^2/NDF: 25.6/23

Left Out: 631.356+/-2123.104 χ^2/NDF:26.7/24

Right Out: -3637.622+/-2490.585 χ^2/NDF: 28.9/29

Left In: -377.927+/-2176.350 χ^2/NDF:14.2/22

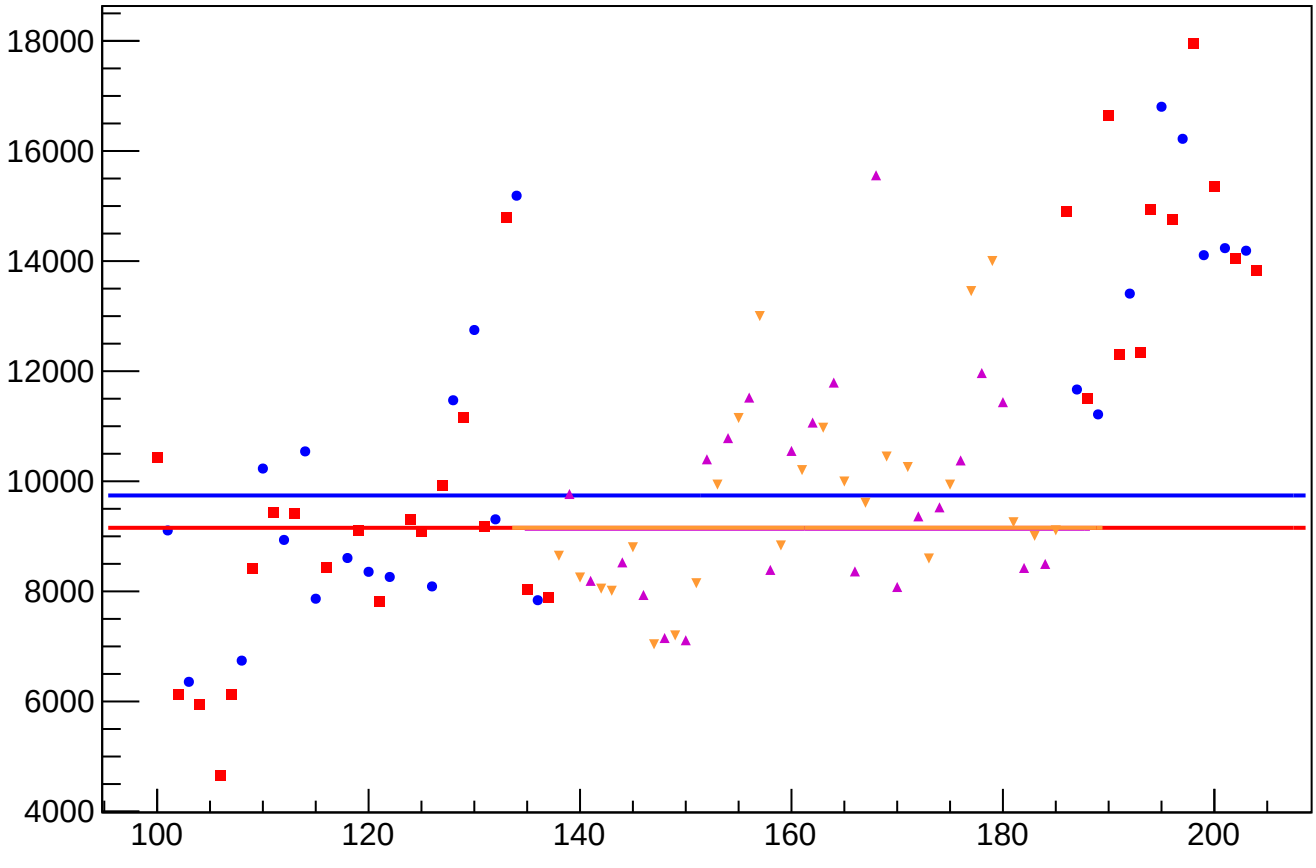
Left: 139.212+/-1519.737 χ^2/NDF: 41.0/47

Right: -2763.288+/-1863.265 χ^2/NDF: 54.8/53

In: -856.024+/-1720.172 χ^2/NDF:40.0/46

Out: -1165.252+/-1615.720 χ^2/NDF:57.3/54

All: -1020.311+/-1177.682 χ^2/NDF: 97.3/101



Right In: 9742.281+/-1.986 χ^2/NDF: 2158992.1/23

Left Out: 9154.703+/-1.501 χ^2/NDF:1072075.9/24

Right Out: 9154.774+/-1.761 χ^2/NDF: 3648096.8/29

Left In: 9137.590+/-1.539 χ^2/NDF:1172796.0/22

Left: 9146.358+/-1.075 χ^2/NDF: 2244935.3/47

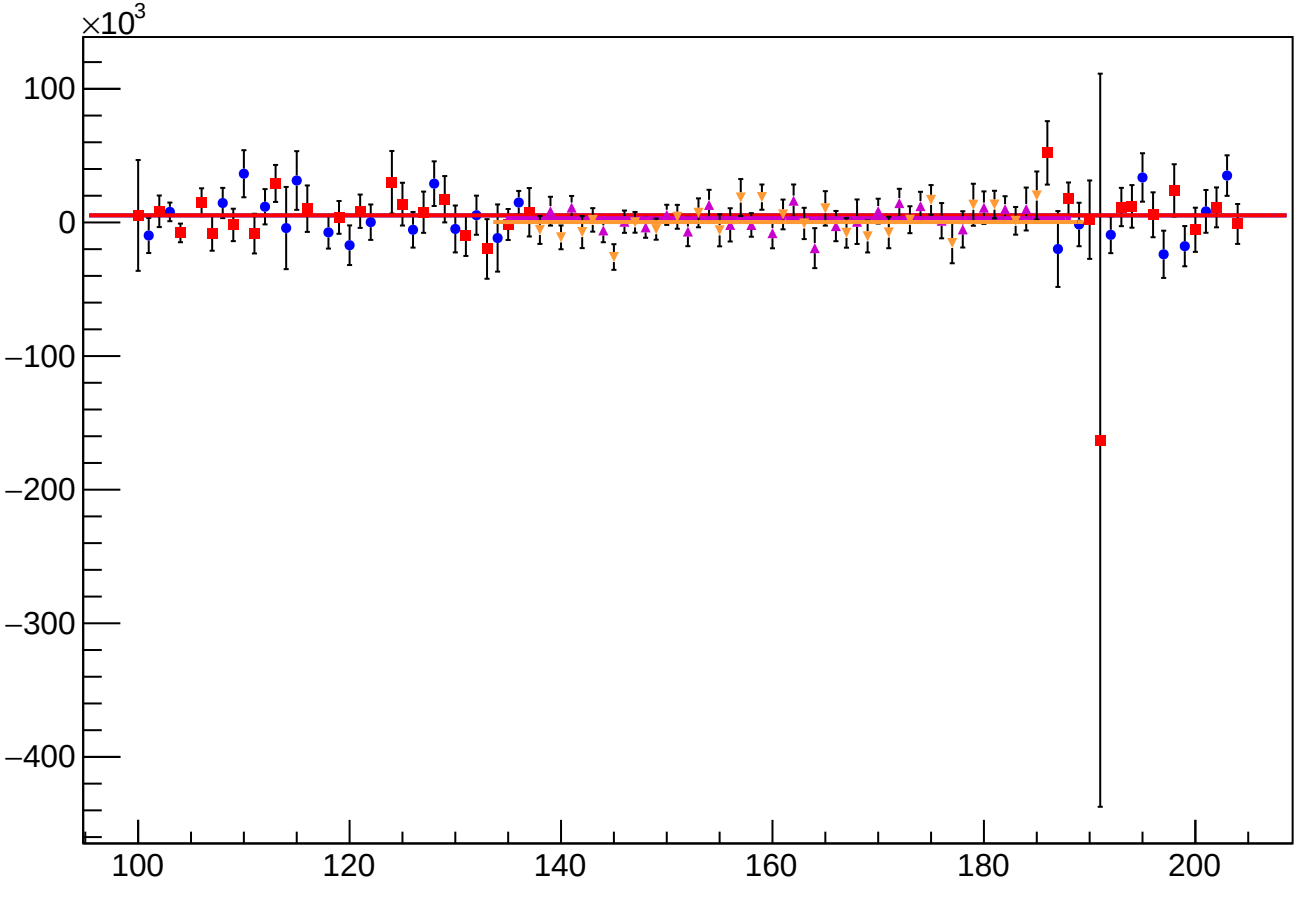
Right: 9413.460+/-1.318 χ^2/NDF: 5856090.8/53

In: 9364.518+/-1.216 χ^2/NDF:3389730.0/46

Out: 9154.733+/-1.142 χ^2/NDF:4720172.7/54

All: 9253.063+/-0.833 χ^2/NDF: 8125706.5/10

asym_atr2_mean vs Slug, Sign Corrected



Right In: 5253.185+/-2834.057 χ^2/NDF: 28.7/23

Left Out: 295.038+/-2125.383 χ^2/NDF:26.3/24

Right Out: 5329.407+/-2639.129 χ^2/NDF: 21.8/29

Left In: 3233.667+/-2179.845 χ^2/NDF:13.6/22

Left: 1727.184+/-1521.763 χ^2/NDF: 40.8/47

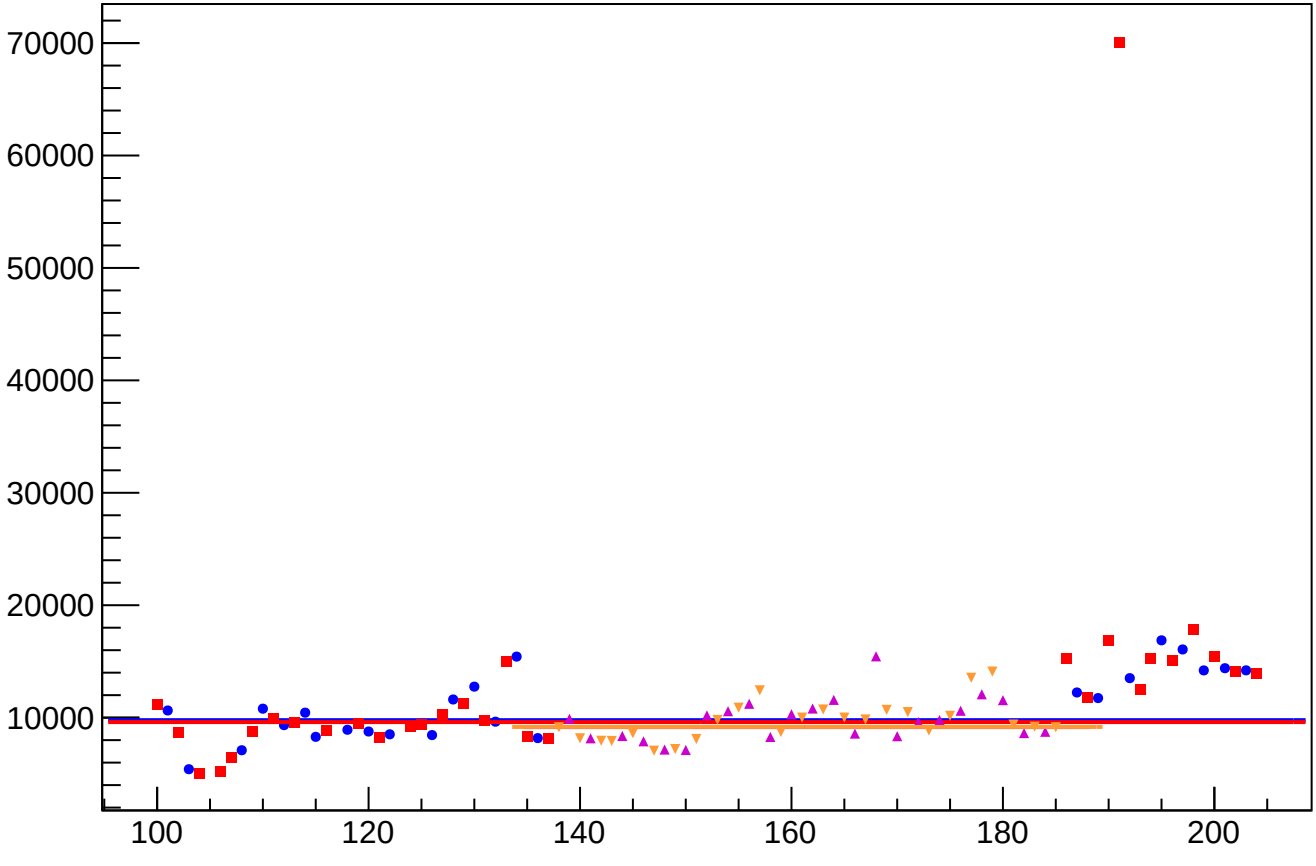
Right: 5294.007+/-1931.385 χ^2/NDF: 50.4/53

In: 3984.331+/-1727.856 χ^2/NDF:42.6/46

Out: 2275.617+/-1655.329 χ^2/NDF:50.3/54

All: 3093.360+/-1195.312 χ^2/NDF: 93.4/101

asym_atr2_rms vs Slug, Sign Corrected



Right In: 9775.367+/-2.004 χ^2/NDF: 2493528.9/23

Left Out: 9172.826+/-1.503 χ^2/NDF:1056946.9/24

Right Out: 9604.359+/-1.866 χ^2/NDF: 3491668.4/29

Left In: 9162.276+/-1.541 χ^2/NDF:1127533.4/22

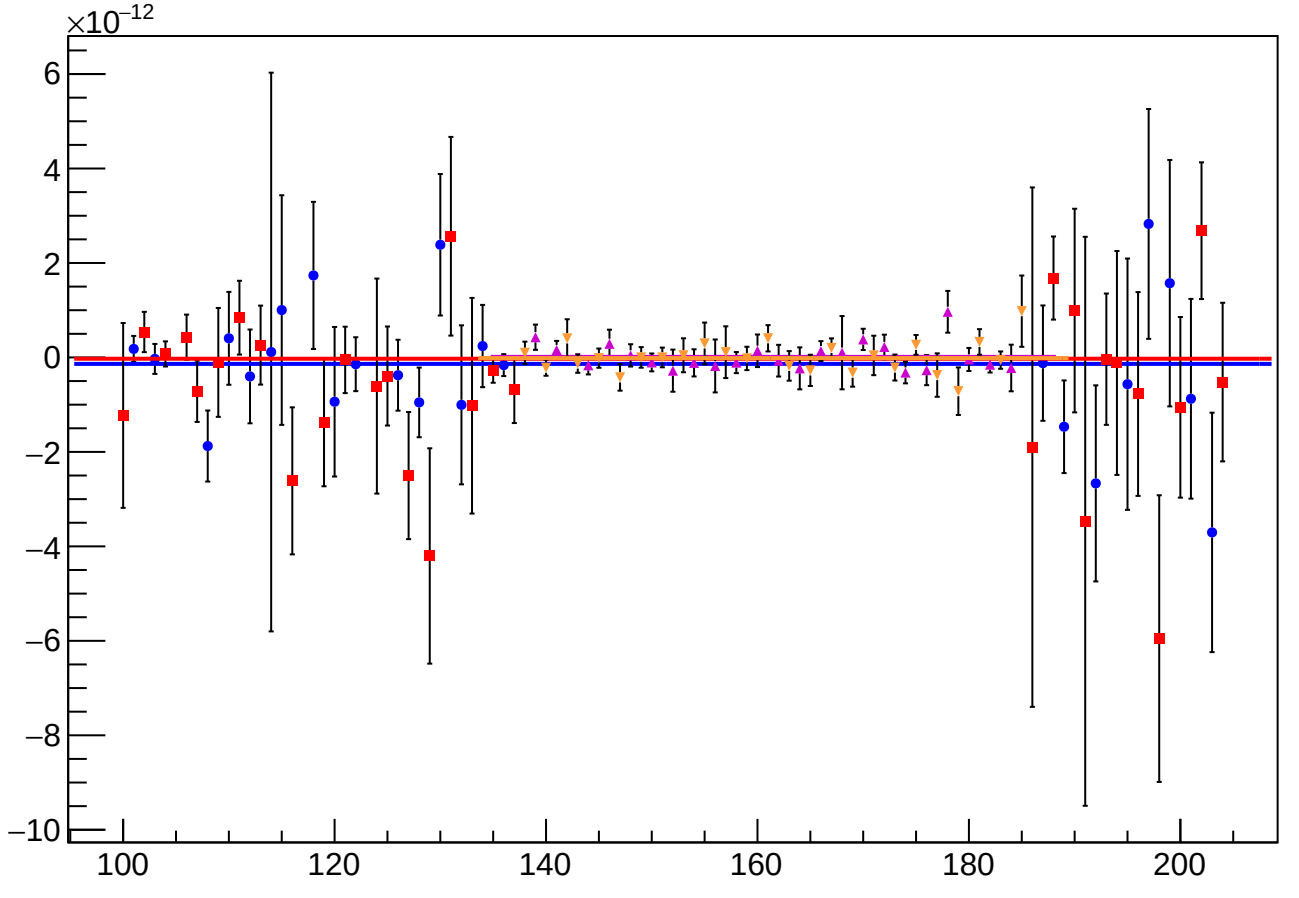
Left: 9167.685+/-1.076 χ^2/NDF: 2184504.3/47

Right: 9683.778+/-1.366 χ^2/NDF: 5989097.4/53

In: 9390.165+/-1.222 χ^2/NDF:3679869.0/46

Out: 9342.601+/-1.170 χ^2/NDF:4581052.5/54

All: 9365.363+/-0.845 χ^2/NDF: 8261711.7/10



Right In: -0.000+/-0.000 χ^2/NDF: 21.1/23

Left Out: -0.000+/-0.000 χ^2/NDF:19.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 32.0/29

Left In: 0.000+/-0.000 χ^2/NDF:19.2/22

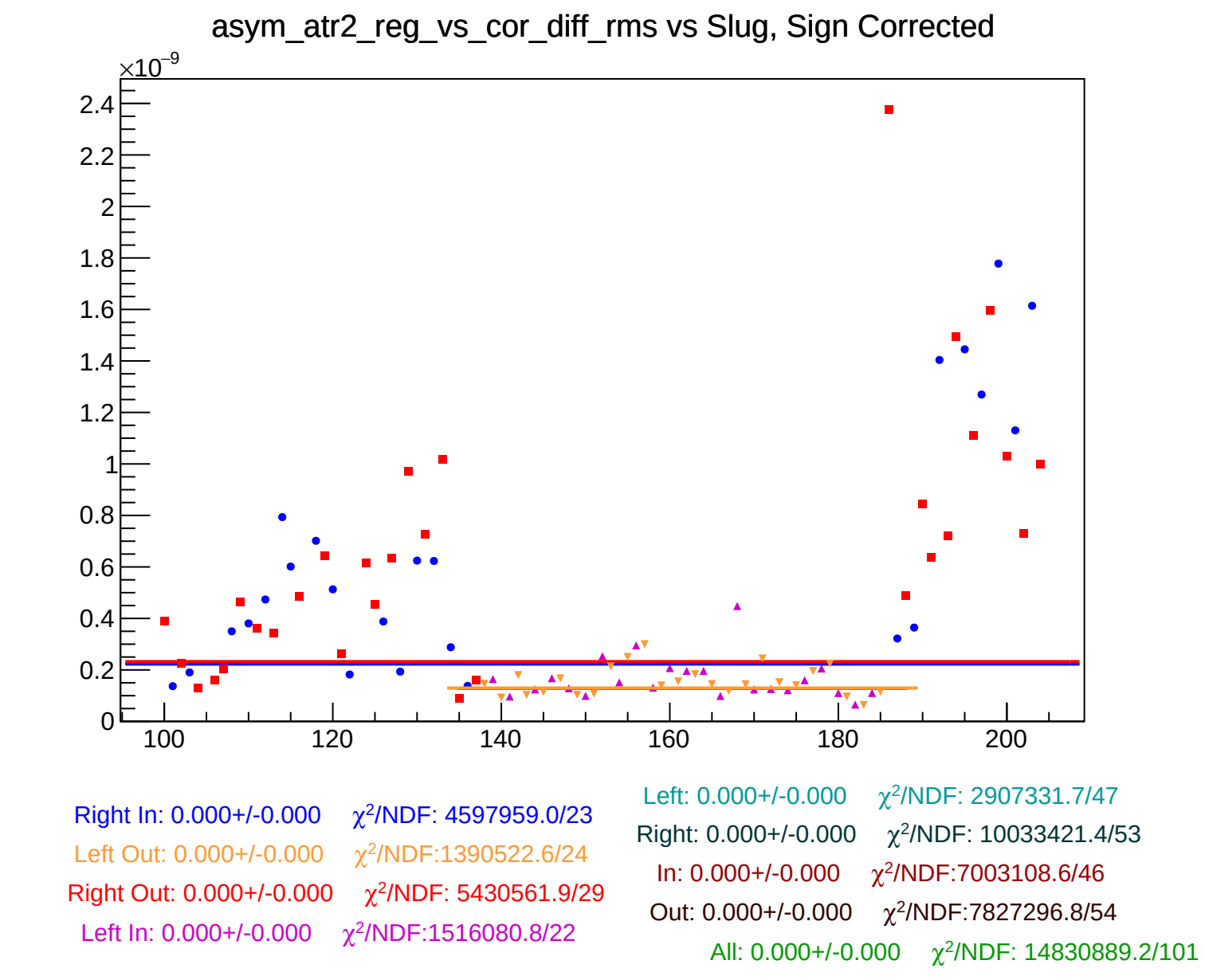
Left: -0.000+/-0.000 χ^2/NDF: 38.7/47

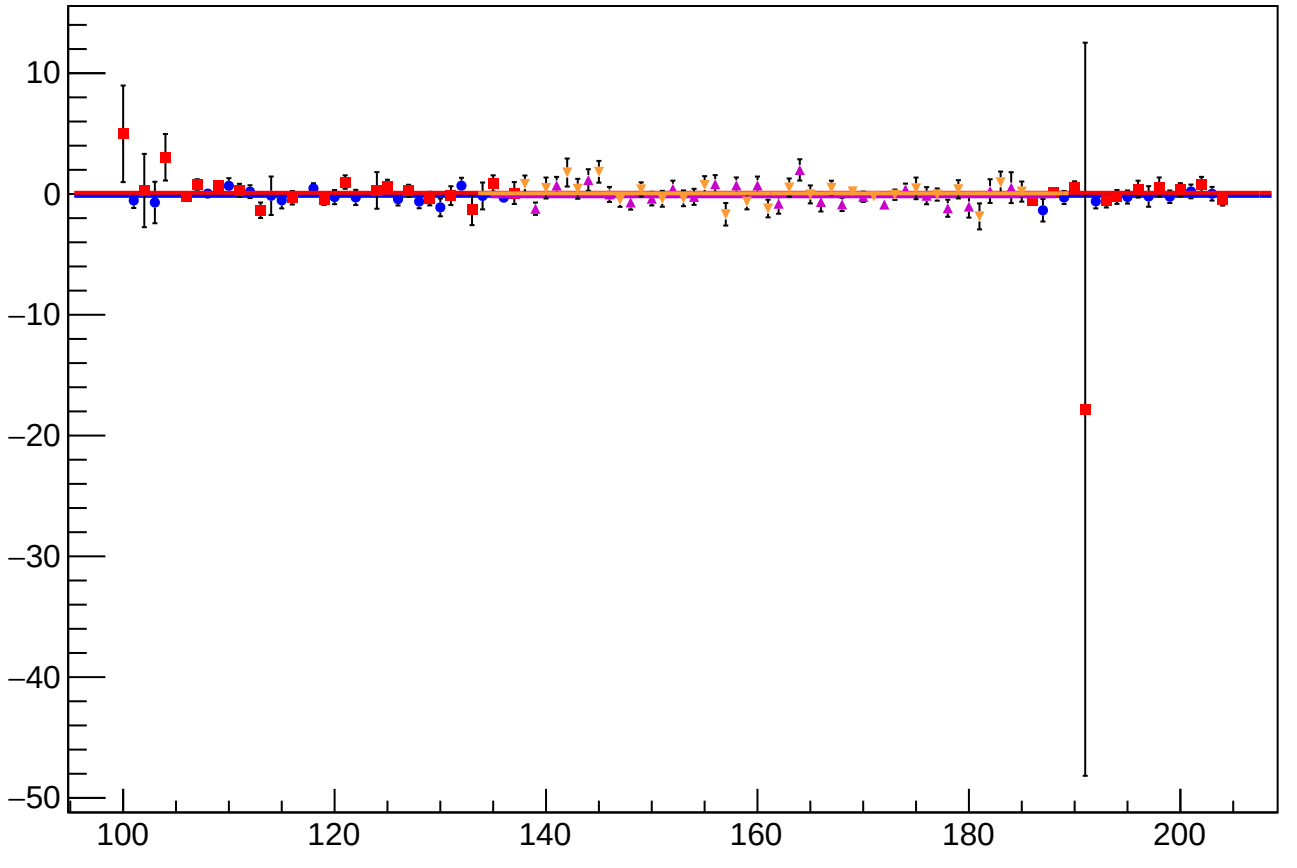
Right: -0.000+/-0.000 χ^2/NDF: 53.4/53

In: -0.000+/-0.000 χ^2/NDF:41.3/46

Out: -0.000+/-0.000 χ^2/NDF:51.4/54

All: -0.000+/-0.000 χ^2/NDF: 92.7/101


asym_atr2_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
2.4
2.2
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 4597959.0/23
Left Out: 0.000+/-0.000 χ²/NDF:1390522.6/24
Right Out: 0.000+/-0.000 χ²/NDF: 5430561.9/29
Left In: 0.000+/-0.000 χ²/NDF:1516080.8/22
Left: 0.000+/-0.000 χ²/NDF: 2907331.7/47
Right: 0.000+/-0.000 χ²/NDF: 10033421.4/53
In: 0.000+/-0.000 χ²/NDF:7003108.6/46
Out: 0.000+/-0.000 χ²/NDF:7827296.8/54
All: 0.000+/-0.000 χ²/NDF: 14830889.2/101



Right In: -0.152+/-0.120 χ^2/NDF: 12.7/23

Left Out: 0.054+/-0.130 χ^2/NDF:24.7/24

Right Out: 0.100+/-0.097 χ^2/NDF: 33.8/29

Left In: -0.191+/-0.133 χ^2/NDF:31.1/22

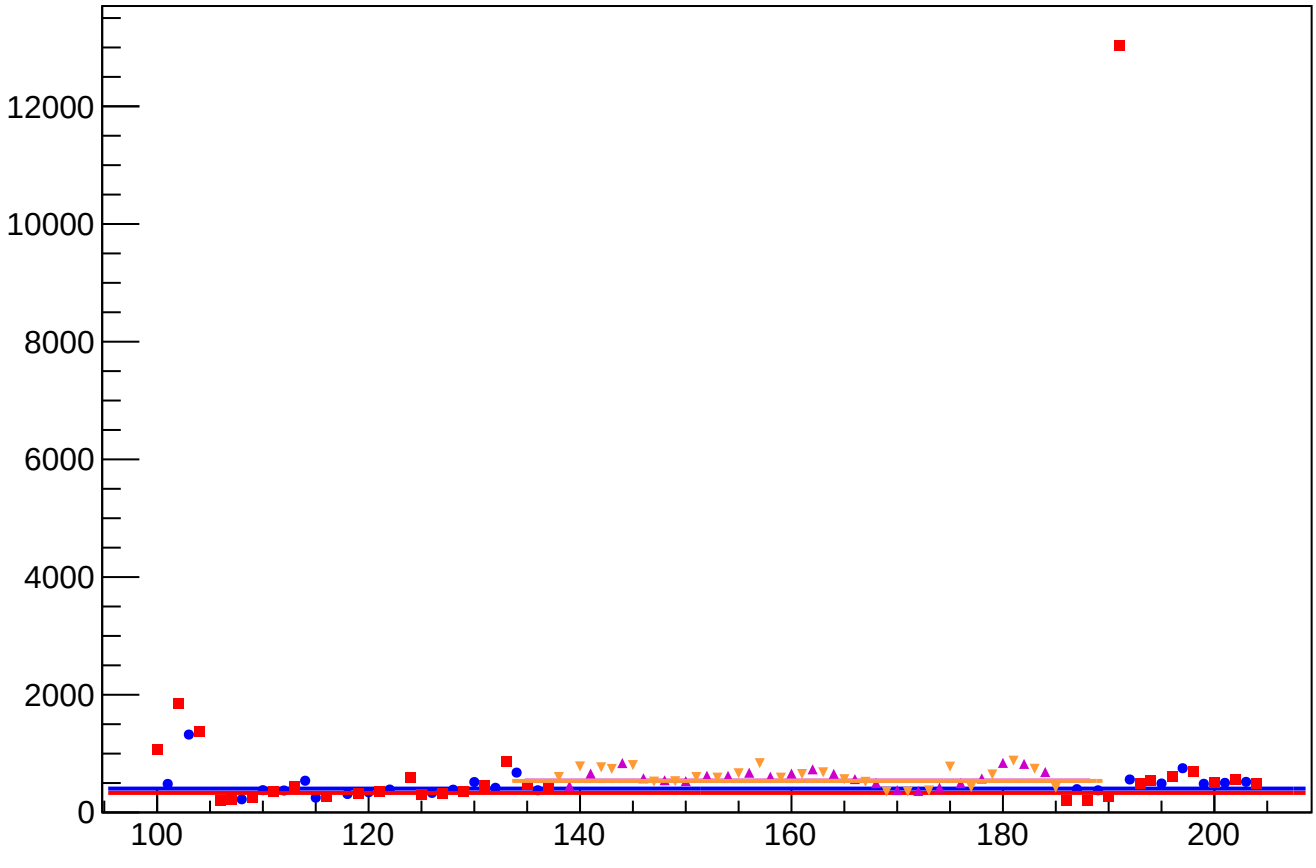
Left: -0.065+/-0.093 χ^2/NDF: 57.6/47

Right: -0.000+/-0.076 χ^2/NDF: 49.1/53

In: -0.169+/-0.089 χ^2/NDF:43.9/46

Out: 0.084+/-0.078 χ^2/NDF:58.6/54

All: -0.026+/-0.059 χ^2/NDF: 107.0/101



Right In: 405.491+/-0.085 χ^2/NDF: 2273759.3/23

Left Out: 535.943+/-0.092 χ^2/NDF:2749736.4/24

Right Out: 331.985+/-0.069 χ^2/NDF: 5459171.4/29

Left In: 540.804+/-0.094 χ^2/NDF:1904998.0/22

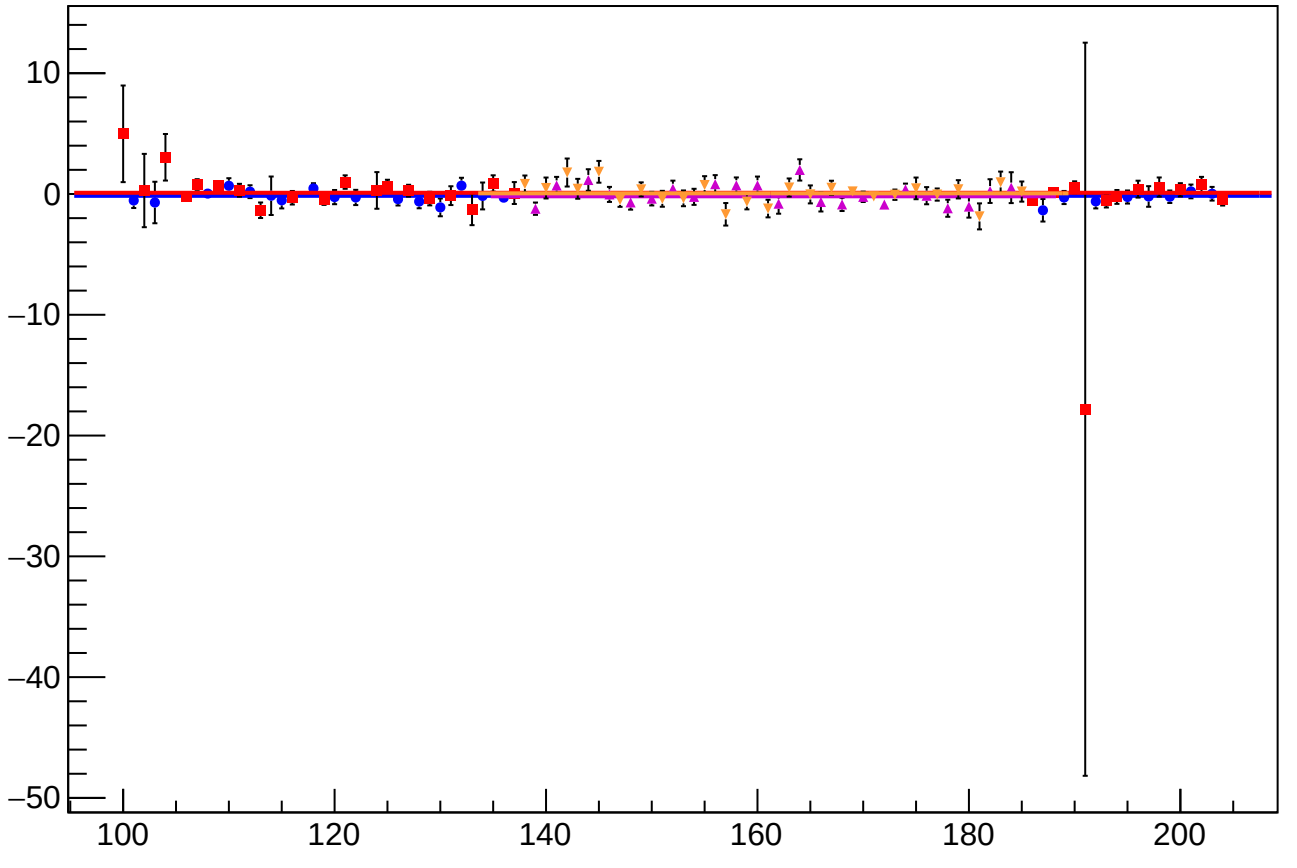
Left: 538.306+/-0.066 χ^2/NDF: 4656104.0/47

Right: 361.300+/-0.053 χ^2/NDF: 8187345.7/53

In: 465.904+/-0.063 χ^2/NDF:5322340.1/46

Out: 405.662+/-0.055 χ^2/NDF:11377812.4/54

All: 431.783+/-0.041 χ^2/NDF: 17219647.1/10



Right In: -0.152+/-0.120 χ^2/NDF: 12.7/23

Left Out: 0.054+/-0.130 χ^2/NDF:24.7/24

Right Out: 0.100+/-0.097 χ^2/NDF: 33.8/29

Left In: -0.191+/-0.133 χ^2/NDF:31.1/22

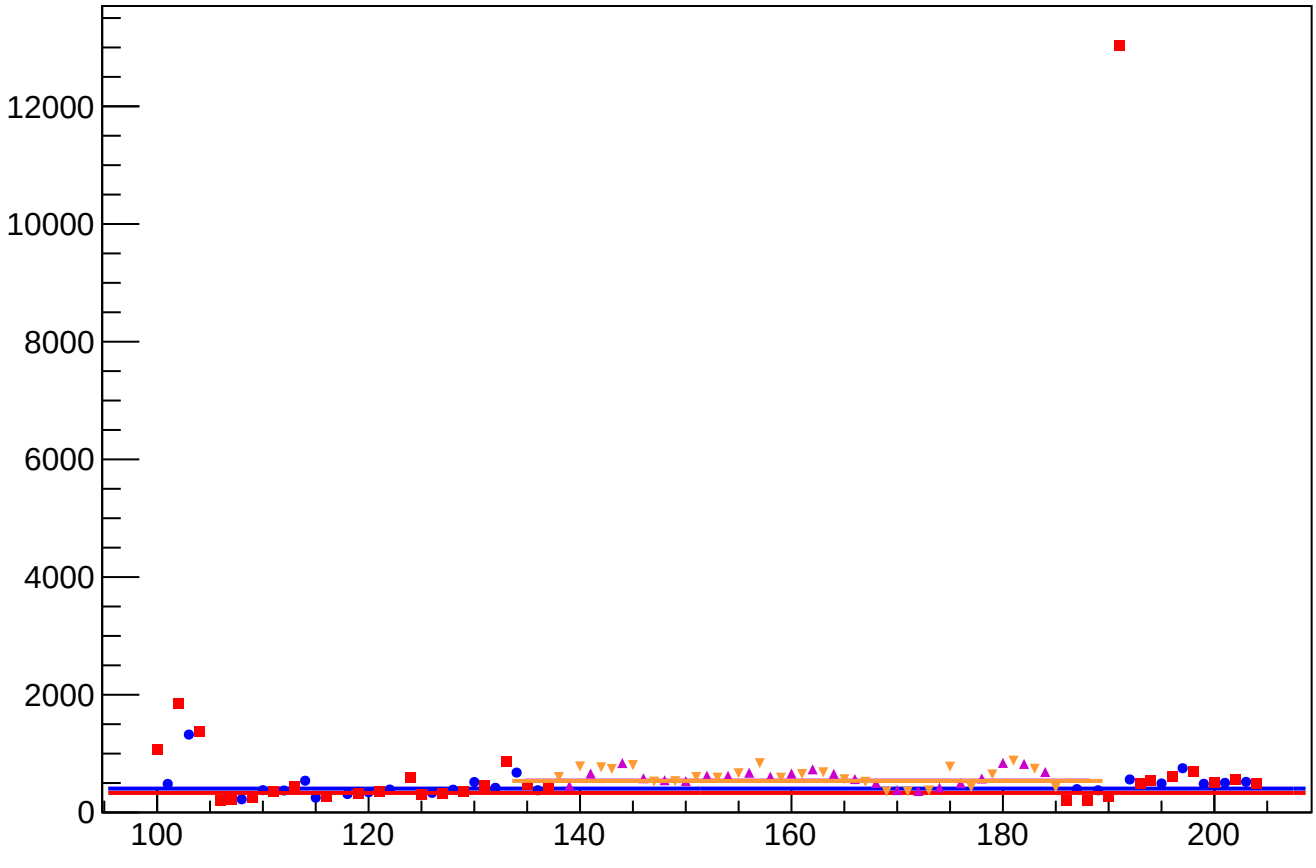
Left: -0.065+/-0.093 χ^2/NDF: 57.6/47

Right: -0.000+/-0.076 χ^2/NDF: 49.1/53

In: -0.169+/-0.089 χ^2/NDF:43.9/46

Out: 0.084+/-0.078 χ^2/NDF:58.6/54

All: -0.026+/-0.059 χ^2/NDF: 107.0/101



Right In: 405.491+/-0.085 χ^2/NDF: 2273759.3/23

Left Out: 535.943+/-0.092 χ^2/NDF:2749736.4/24

Right Out: 331.985+/-0.069 χ^2/NDF: 5459171.4/29

Left In: 540.804+/-0.094 χ^2/NDF:1904998.0/22

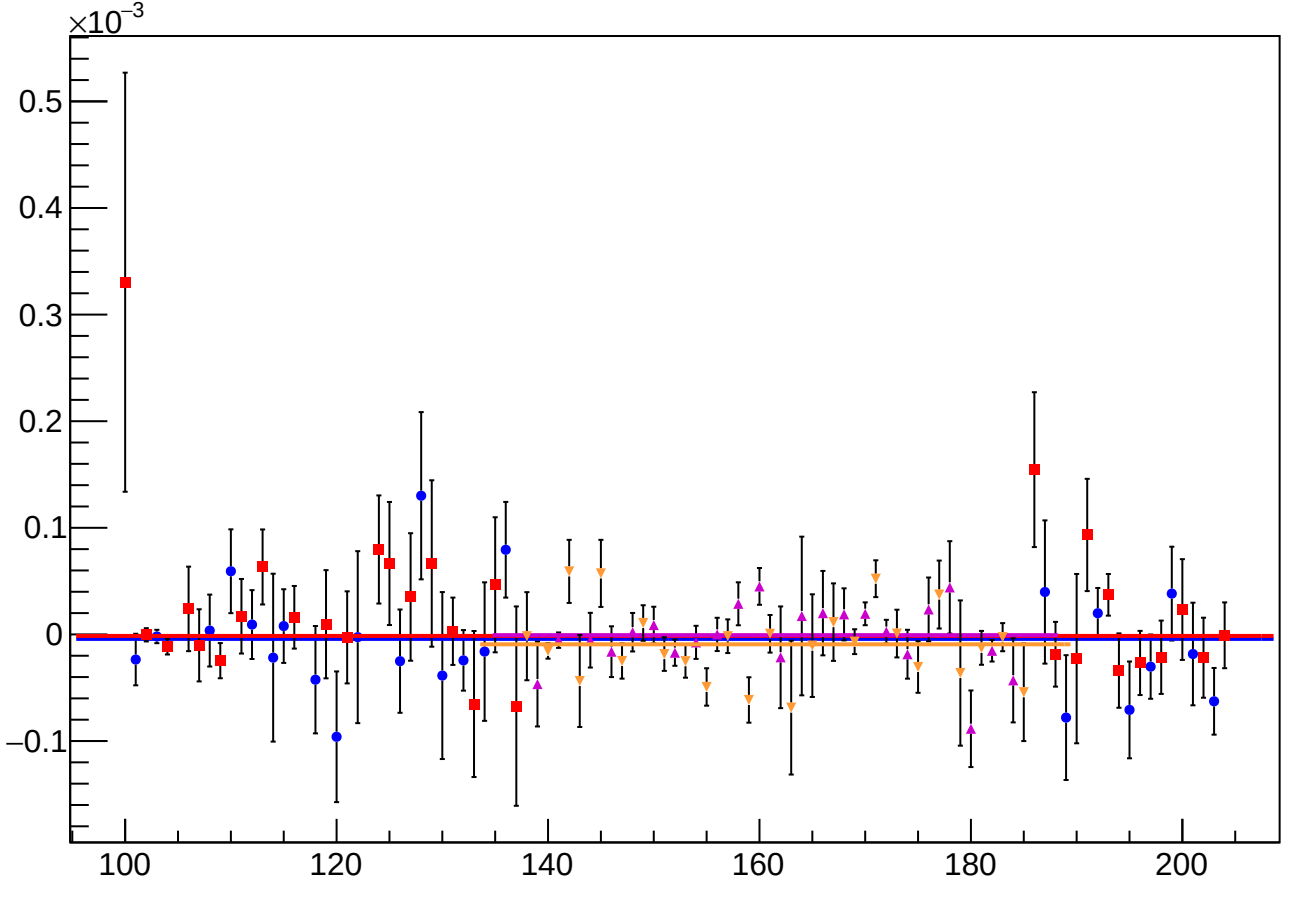
Left: 538.306+/-0.066 χ^2/NDF: 4656104.0/47

Right: 361.300+/-0.053 χ^2/NDF: 8187345.7/53

In: 465.904+/-0.063 χ^2/NDF:5322340.1/46

Out: 405.662+/-0.055 χ^2/NDF:11377812.4/54

All: 431.783+/-0.041 χ^2/NDF: 17219647.1/10



Right In: -0.000+/-0.000 χ^2/NDF: 24.4/23

Left Out: -0.000+/-0.000 χ^2/NDF:45.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 32.9/29

Left In: -0.000+/-0.000 χ^2/NDF:30.0/22

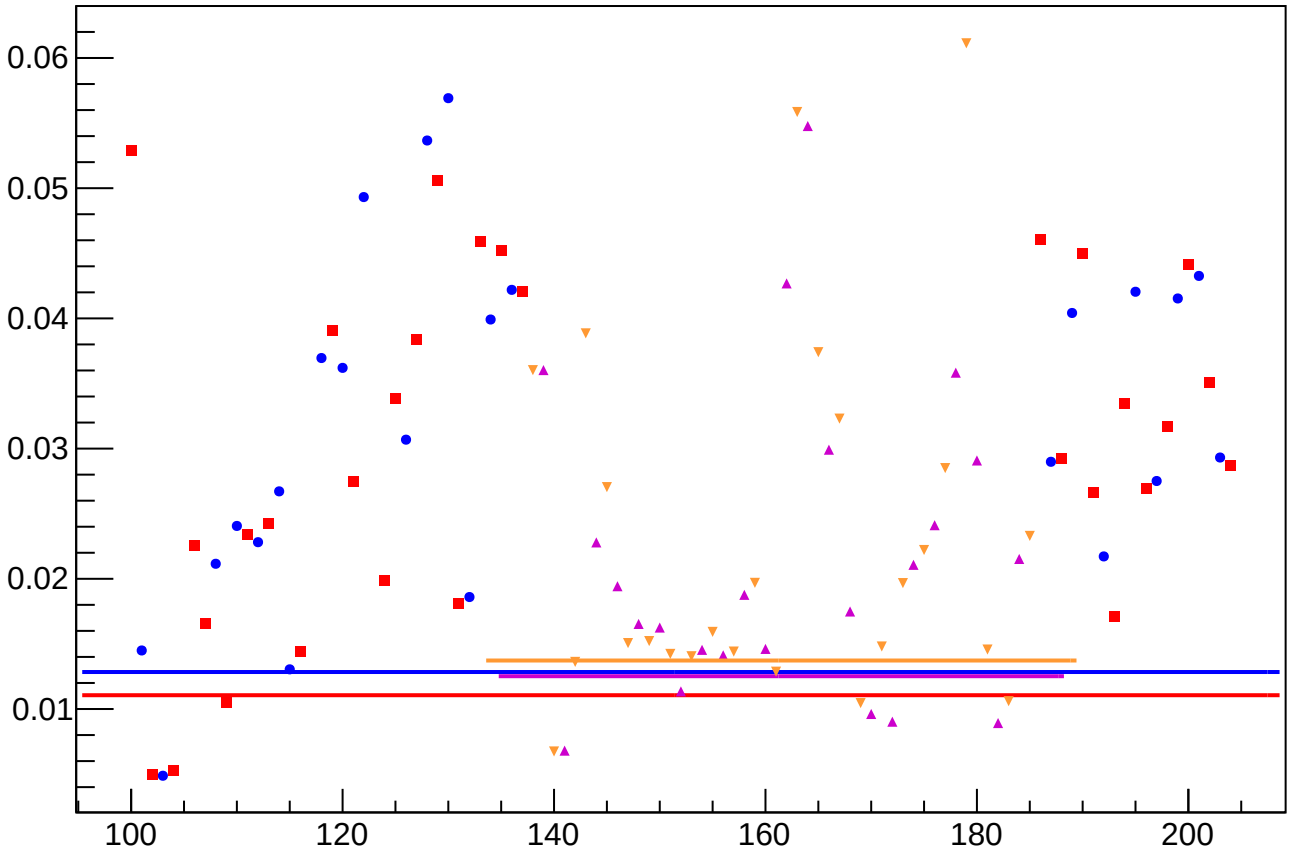
Left: -0.000+/-0.000 χ^2/NDF: 78.1/47

Right: -0.000+/-0.000 χ^2/NDF: 57.5/53

In: -0.000+/-0.000 χ^2/NDF:54.7/46

Out: -0.000+/-0.000 χ^2/NDF:80.3/54

All: -0.000+/-0.000 χ^2/NDF: 136.0/101



Right In: 0.013+/-0.000 χ^2/NDF: 12012341.6/23

Left Out: 0.014+/-0.000 χ^2/NDF:7717157.8/24

Right Out: 0.011+/-0.000 χ^2/NDF: 14091103.2/29

Left In: 0.013+/-0.000 χ^2/NDF:7121524.7/22

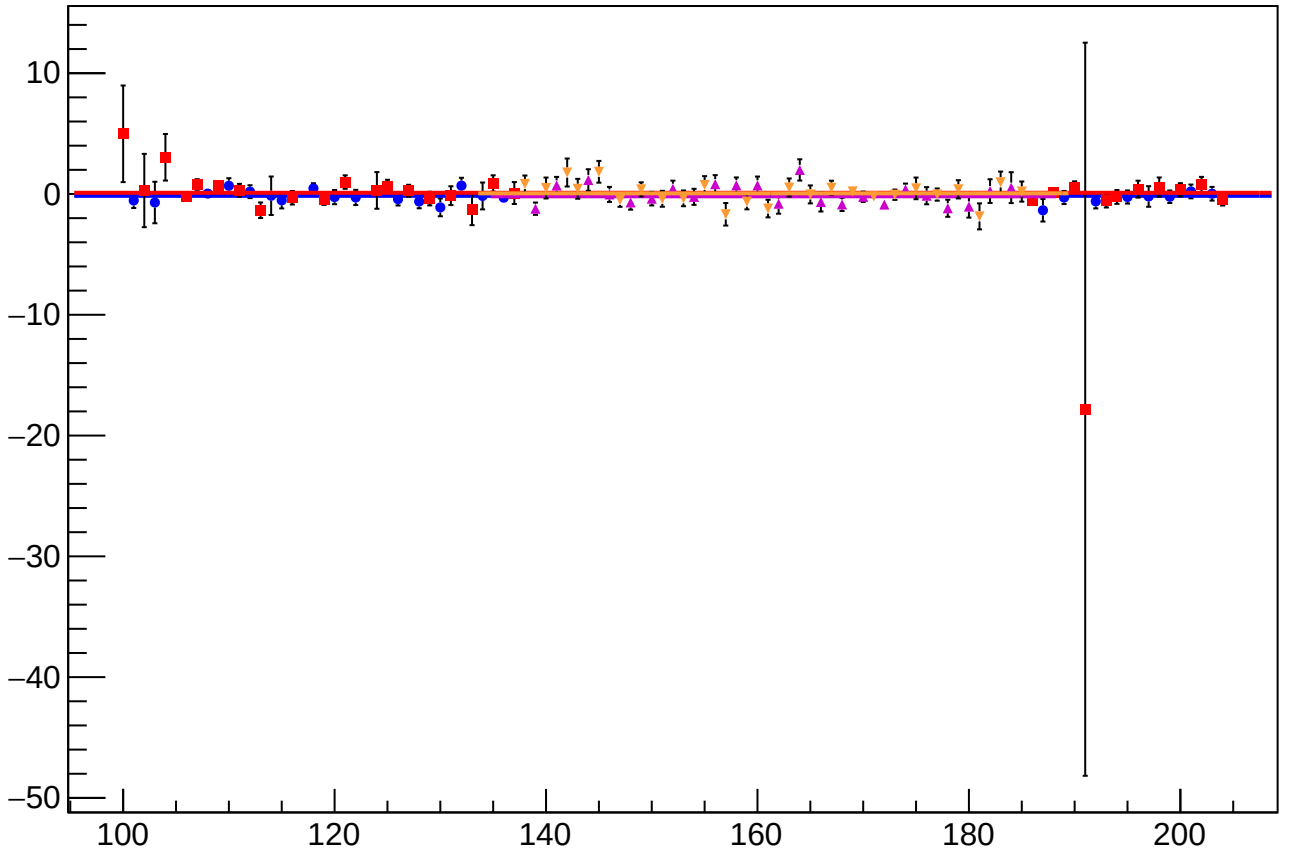
Left: 0.013+/-0.000 χ^2/NDF: 14955984.5/47

Right: 0.012+/-0.000 χ^2/NDF: 26261097.6/53

In: 0.013+/-0.000 χ^2/NDF:19139484.7/46

Out: 0.013+/-0.000 χ^2/NDF:22311213.8/54

All: 0.013+/-0.000 χ^2/NDF: 41452621.3/101



Right In: -0.152+/-0.120 χ^2/NDF: 12.7/23

Left Out: 0.054+/-0.130 χ^2/NDF:24.7/24

Right Out: 0.100+/-0.097 χ^2/NDF: 33.8/29

Left In: -0.191+/-0.133 χ^2/NDF:31.1/22

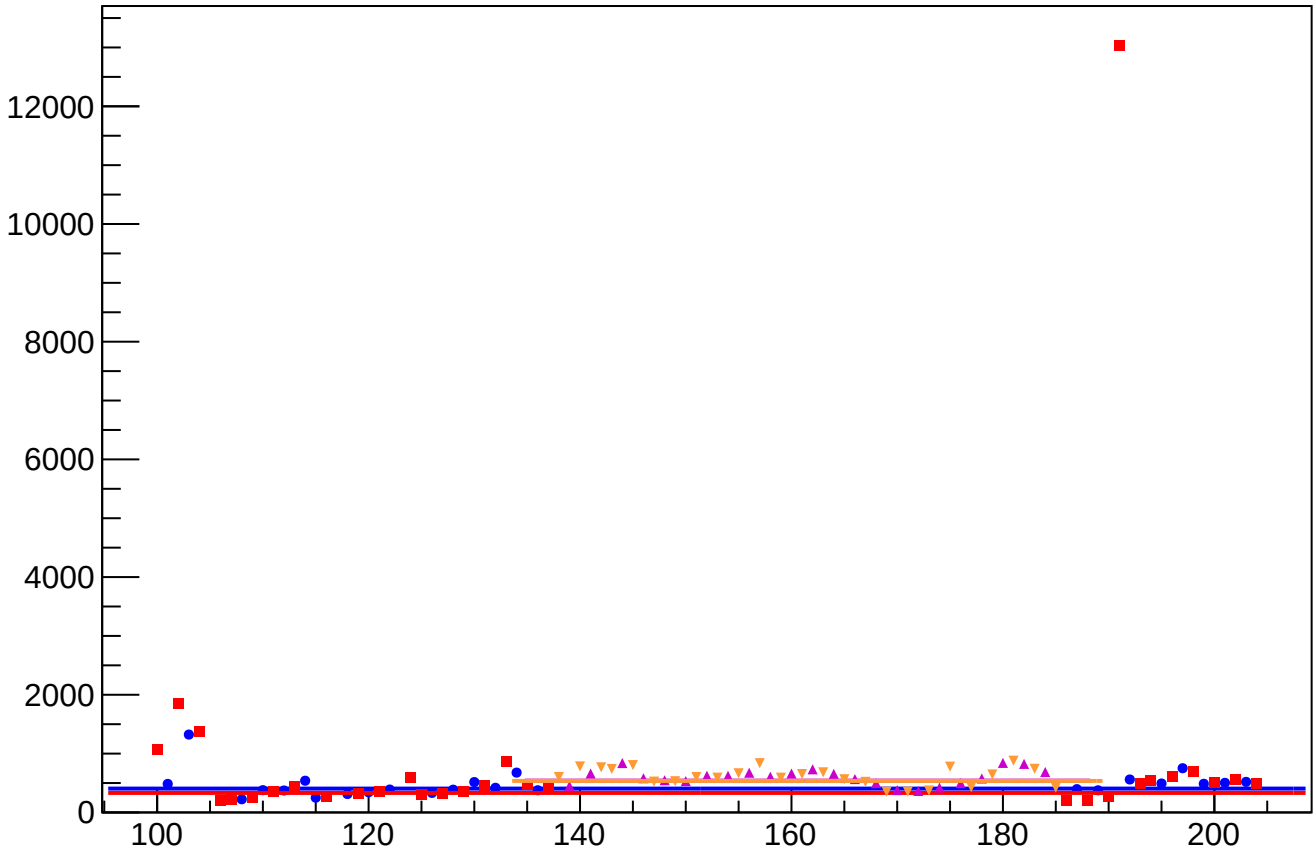
Left: -0.065+/-0.093 χ^2/NDF: 57.6/47

Right: -0.000+/-0.076 χ^2/NDF: 49.1/53

In: -0.170+/-0.089 χ^2/NDF:43.9/46

Out: 0.084+/-0.078 χ^2/NDF:58.6/54

All: -0.026+/-0.059 χ^2/NDF: 107.0/101



Right In: 405.488+/-0.085 χ^2/NDF: 2273800.1/23

Left Out: 535.948+/-0.092 χ^2/NDF:2749816.2/24

Right Out: 331.985+/-0.069 χ^2/NDF: 5459152.2/29

Left In: 540.809+/-0.094 χ^2/NDF:1905035.9/22

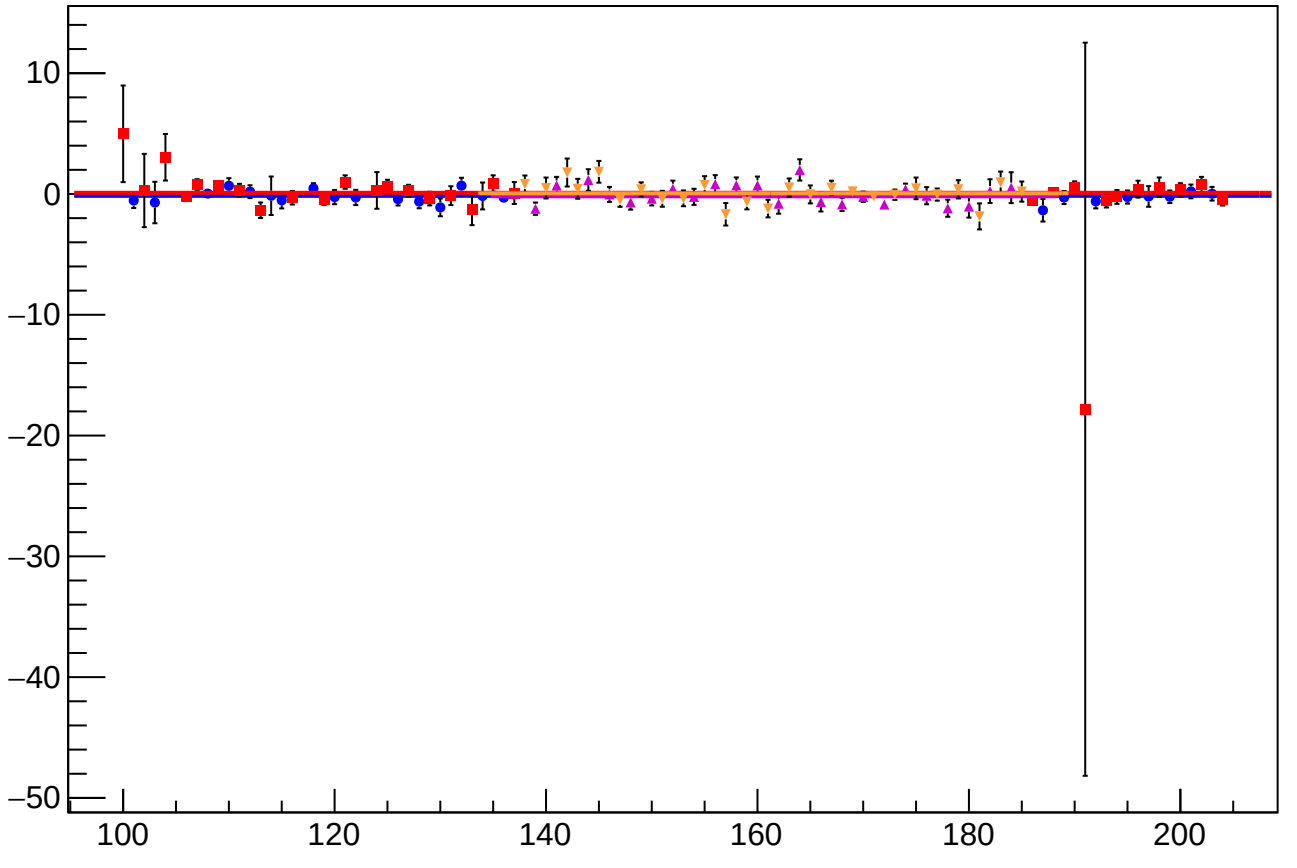
Left: 538.311+/-0.066 χ^2/NDF: 4656222.0/47

Right: 361.299+/-0.053 χ^2/NDF: 8187330.0/53

In: 465.904+/-0.063 χ^2/NDF:5322551.4/46

Out: 405.663+/-0.055 χ^2/NDF:11377972.5/54

All: 431.784+/-0.041 χ^2/NDF: 17219991.5/10



Right In: -0.152+/-0.120 χ^2/NDF: 12.7/23

Left Out: 0.054+/-0.130 χ^2/NDF:24.7/24

Right Out: 0.100+/-0.097 χ^2/NDF: 33.8/29

Left In: -0.191+/-0.133 χ^2/NDF:31.1/22

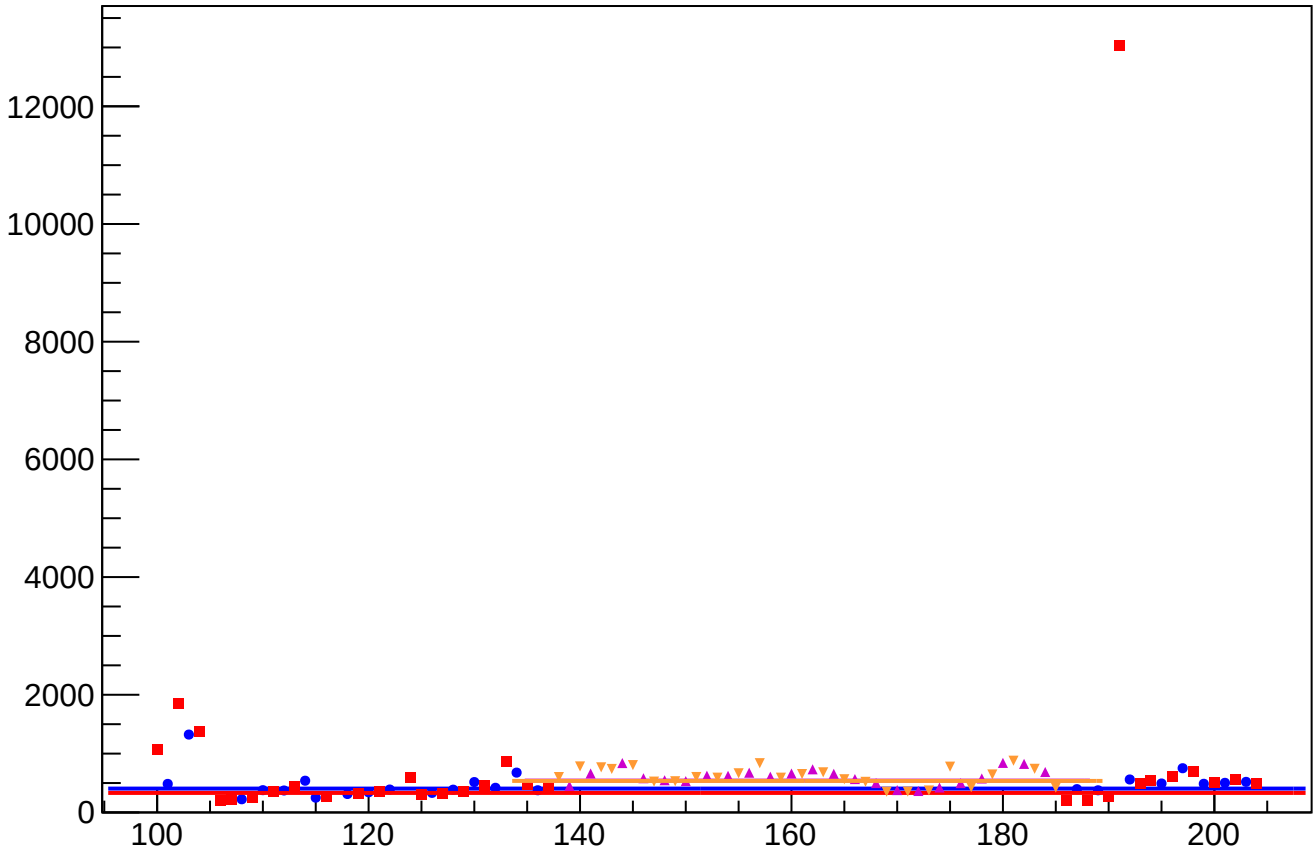
Left: -0.065+/-0.093 χ^2/NDF: 57.6/47

Right: -0.000+/-0.076 χ^2/NDF: 49.1/53

In: -0.170+/-0.089 χ^2/NDF:43.9/46

Out: 0.084+/-0.078 χ^2/NDF:58.6/54

All: -0.026+/-0.059 χ^2/NDF: 107.0/101



Right In: 405.488+/-0.085 χ^2/NDF: 2273800.1/23

Left Out: 535.948+/-0.092 χ^2/NDF:2749816.2/24

Right Out: 331.985+/-0.069 χ^2/NDF: 5459152.2/29

Left In: 540.809+/-0.094 χ^2/NDF:1905035.9/22

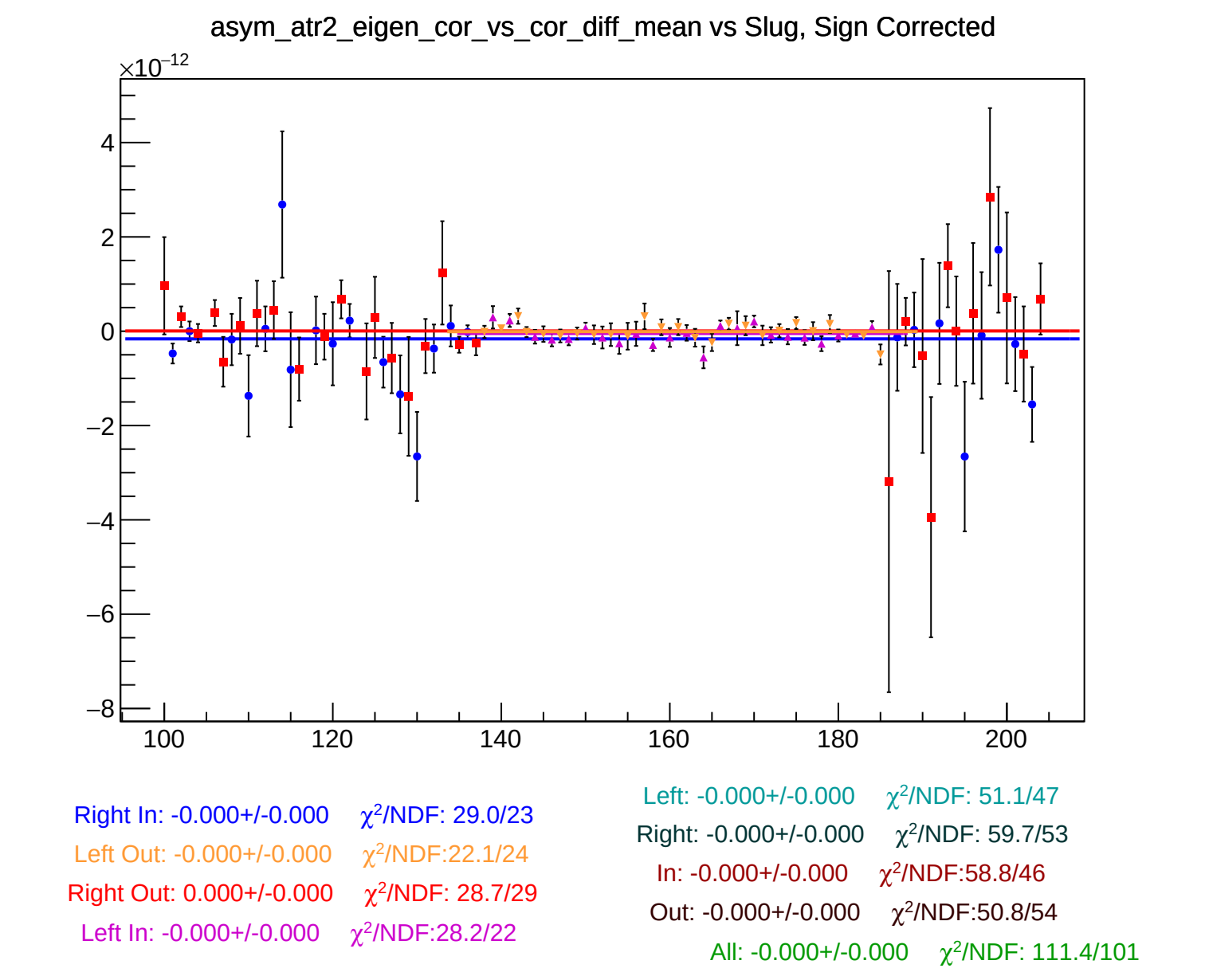
Left: 538.311+/-0.066 χ^2/NDF: 4656222.0/47

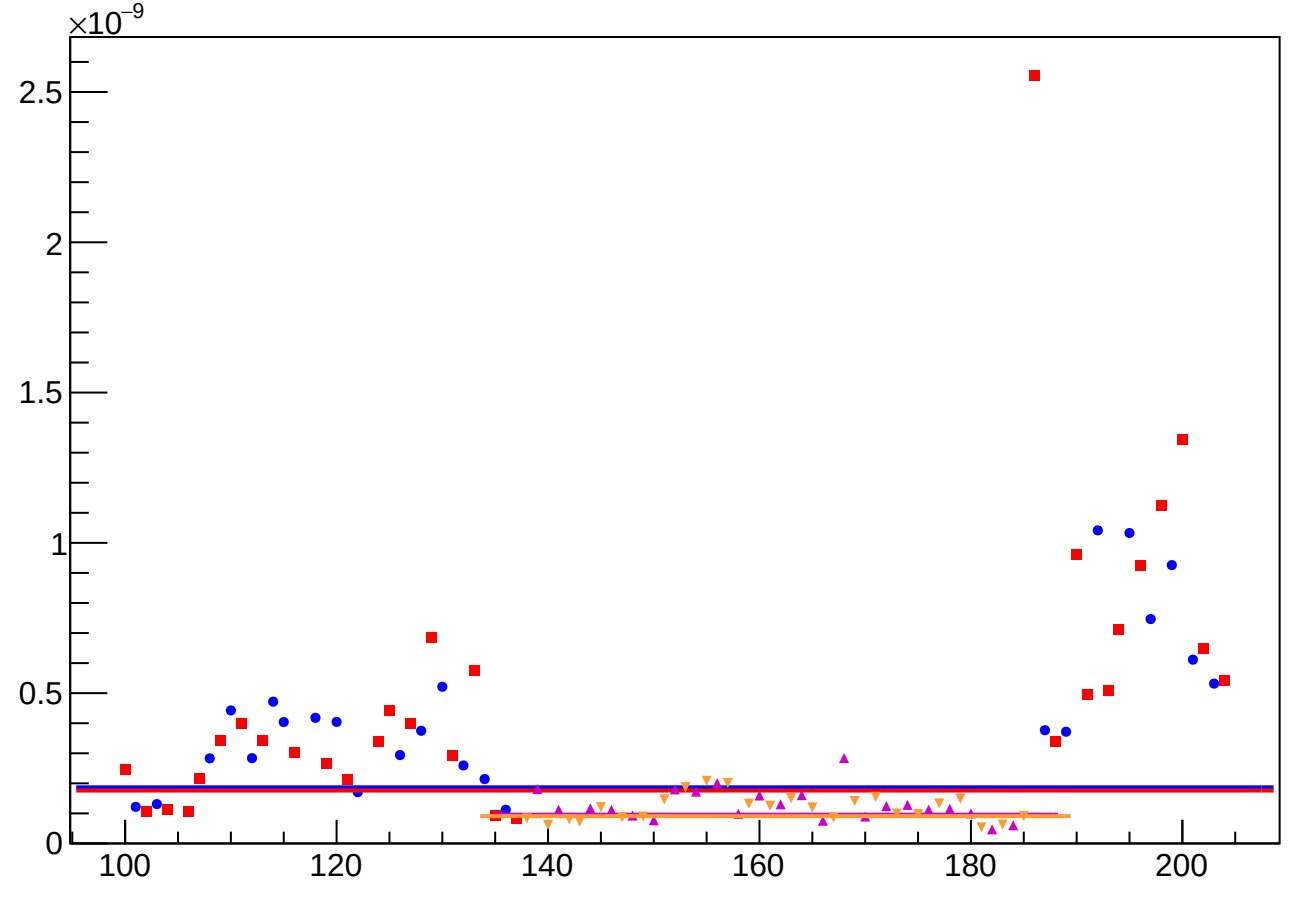
Right: 361.299+/-0.053 χ^2/NDF: 8187330.0/53

In: 465.904+/-0.063 χ^2/NDF:5322551.4/46

Out: 405.663+/-0.055 χ^2/NDF:11377972.5/54

All: 431.784+/-0.041 χ^2/NDF: 17219991.5/10


asym_atr2_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
4
2
0
−2
−4
−6
−8
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 29.0/23
Left Out: -0.000+/-0.000 χ²/NDF:22.1/24
Right Out: 0.000+/-0.000 χ²/NDF: 28.7/29
Left In: -0.000+/-0.000 χ²/NDF:28.2/22
Left: -0.000+/-0.000 χ²/NDF: 51.1/47
Right: -0.000+/-0.000 χ²/NDF: 59.7/53
In: -0.000+/-0.000 χ²/NDF:58.8/46
Out: -0.000+/-0.000 χ²/NDF:50.8/54
All: -0.000+/-0.000 χ²/NDF: 111.4/101



Right In: 0.000+/-0.000 χ^2/NDF: 5472085.7/23

Left Out: 0.000+/-0.000 χ^2/NDF:3367730.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7615731.6/29

Left In: 0.000+/-0.000 χ^2/NDF:3905784.1/22

Left: 0.000+/-0.000 χ^2/NDF: 7302418.3/47

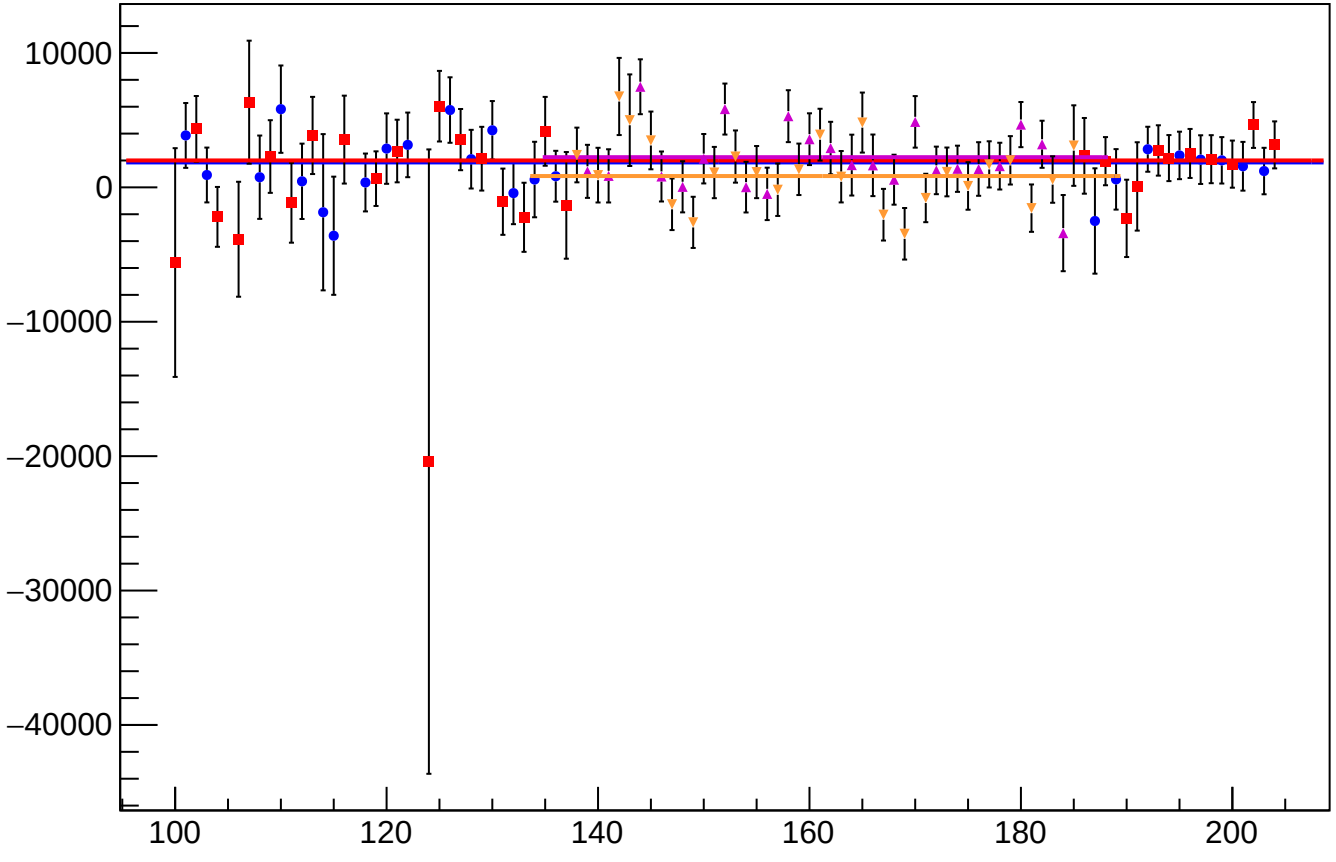
Right: 0.000+/-0.000 χ^2/NDF: 13104655.9/53

In: 0.000+/-0.000 χ^2/NDF:11425955.8/46

Out: 0.000+/-0.000 χ^2/NDF:12969735.0/54

All: 0.000+/-0.000 χ^2/NDF: 24437304.0/101

reg_asym_atl_avg_mean vs Slug, Sign Corrected



Right In: 1855.302+/-458.570 χ^2/NDF: 13.1/23

Left Out: 841.572+/-394.444 χ^2/NDF:30.4/24

Right Out: 2002.547+/-433.882 χ^2/NDF: 25.5/29

Left In: 2245.041+/-400.753 χ^2/NDF:29.4/22

Left: 1532.172+/-281.118 χ^2/NDF: 66.0/47

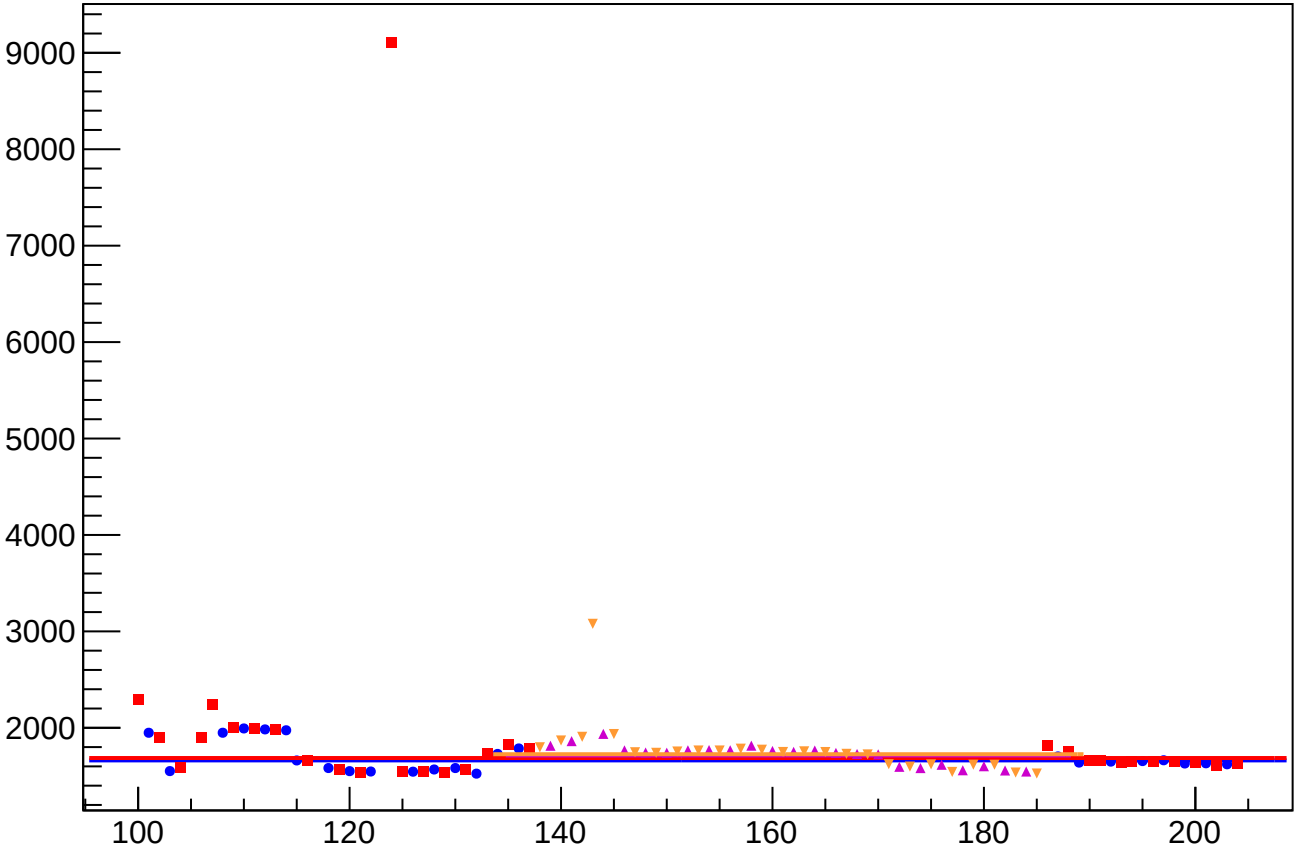
Right: 1932.995+/-315.167 χ^2/NDF: 38.6/53

In: 2076.276+/-301.759 χ^2/NDF:42.9/46

Out: 1366.909+/-291.863 χ^2/NDF:59.8/54

All: 1709.770+/-209.790 χ^2/NDF: 105.6/101

reg_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1662.118+/-0.324 χ^2/NDF: 145761.7/23

Left Out: 1726.058+/-0.279 χ^2/NDF:454930.8/24

Right Out: 1686.669+/-0.306 χ^2/NDF: 406425.0/29

Left In: 1713.156+/-0.283 χ^2/NDF:129290.6/22

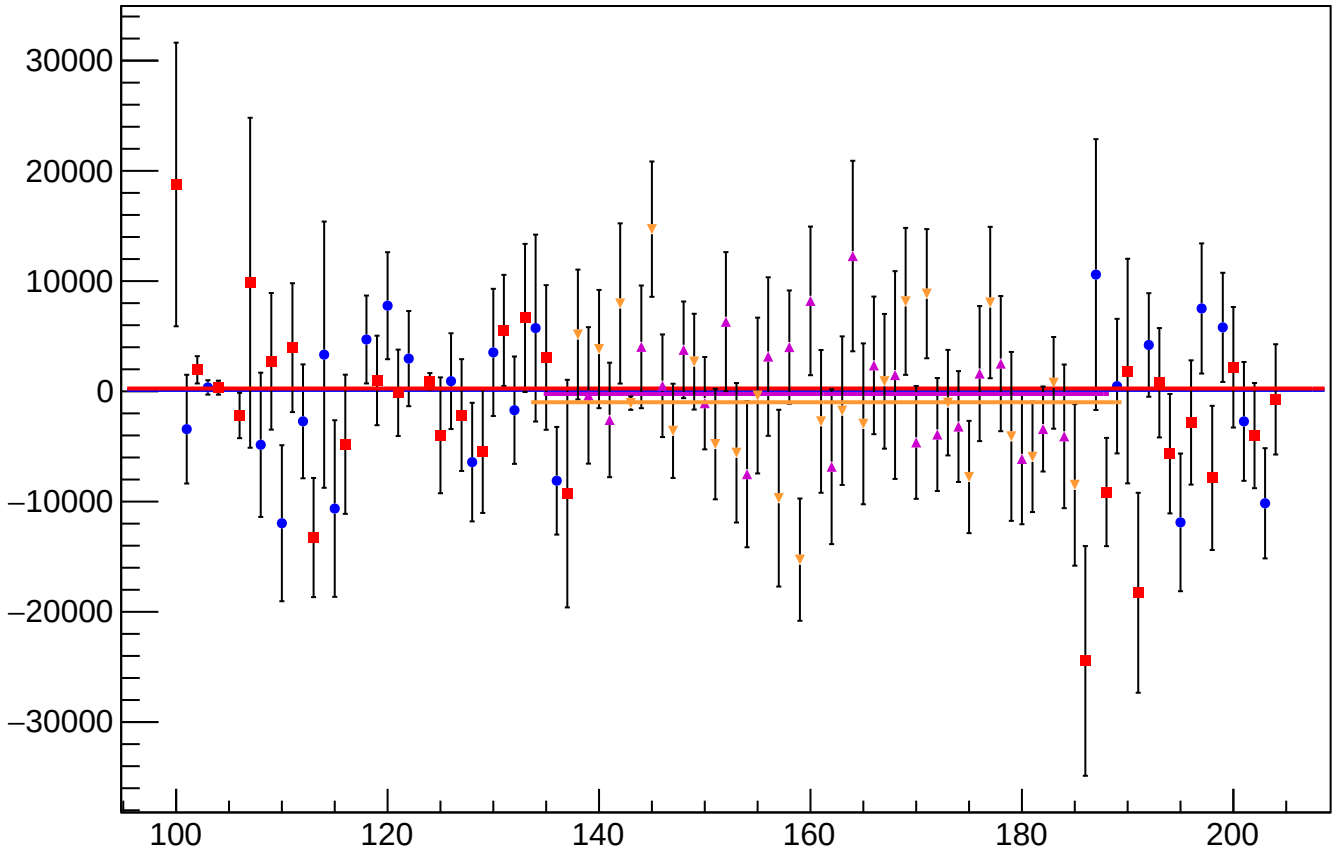
Left: 1719.709+/-0.199 χ^2/NDF: 585274.4/47

Right: 1675.099+/-0.223 χ^2/NDF: 555217.7/53

In: 1691.055+/-0.213 χ^2/NDF:289098.6/46

Out: 1708.193+/-0.206 χ^2/NDF:870401.6/54

All: 1699.918+/-0.148 χ^2/NDF: 1162836.2/10



Right In: 129.550+/-567.457 χ^2/NDF: 28.4/23

Left Out: -987.621+/-541.250 χ^2/NDF:30.8/24

Right Out: 258.261+/-413.046 χ^2/NDF: 36.4/29

Left In: -239.582+/-1165.046 χ^2/NDF:13.5/22

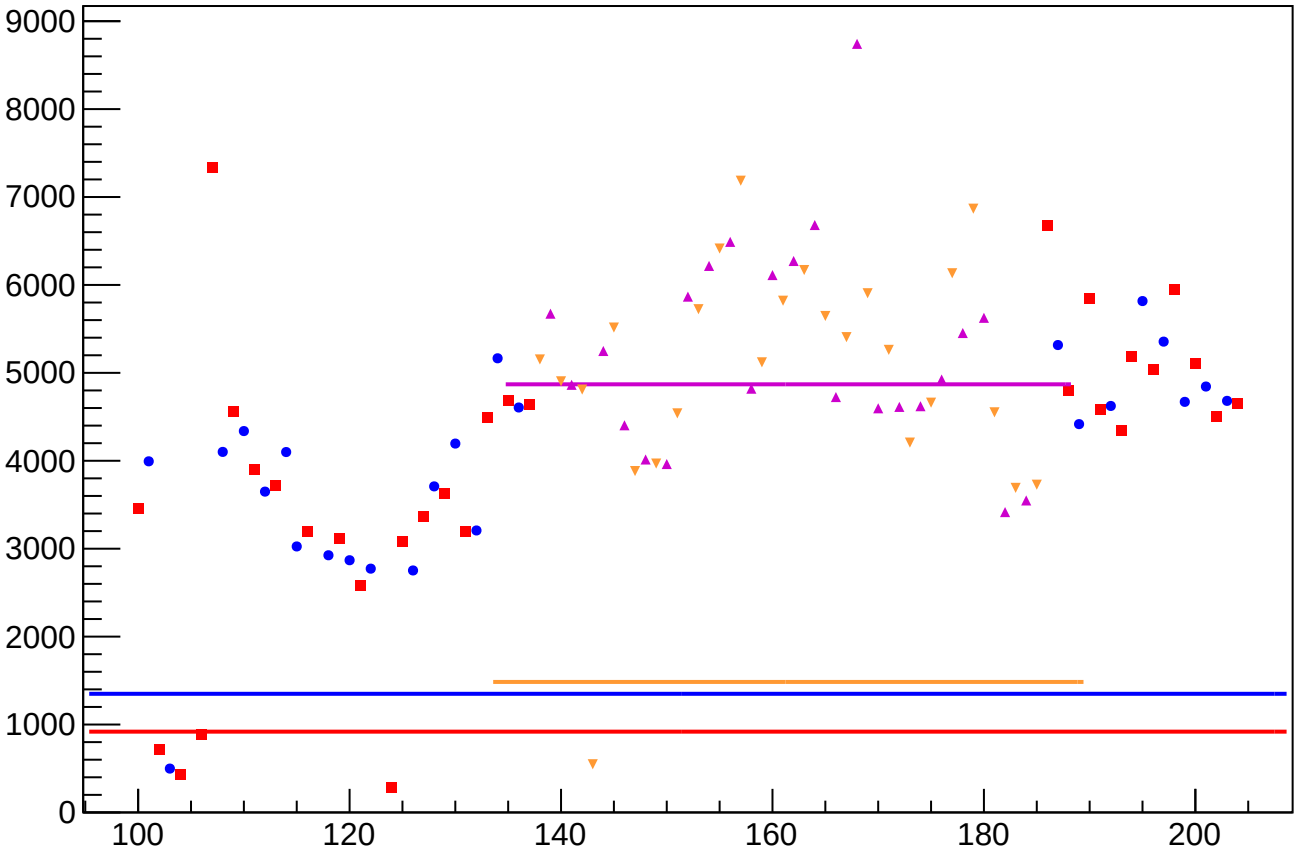
Left: -854.832+/-490.864 χ^2/NDF: 44.7/47

Right: 213.685+/-333.947 χ^2/NDF: 64.9/53

In: 58.770+/-510.161 χ^2/NDF:42.0/46

Out: -200.271+/-328.355 χ^2/NDF:70.6/54

All: -124.393+/-276.108 χ^2/NDF: 112.8/101



Right In: 1349.570+/-0.401 χ^2/NDF: 14907046.8/23

Left Out: 1484.563+/-0.383 χ^2/NDF:23224946.4/24

Right Out: 919.106+/-0.292 χ^2/NDF: 19740678.2/29

Left In: 4869.707+/-0.824 χ^2/NDF:1474225.9/22

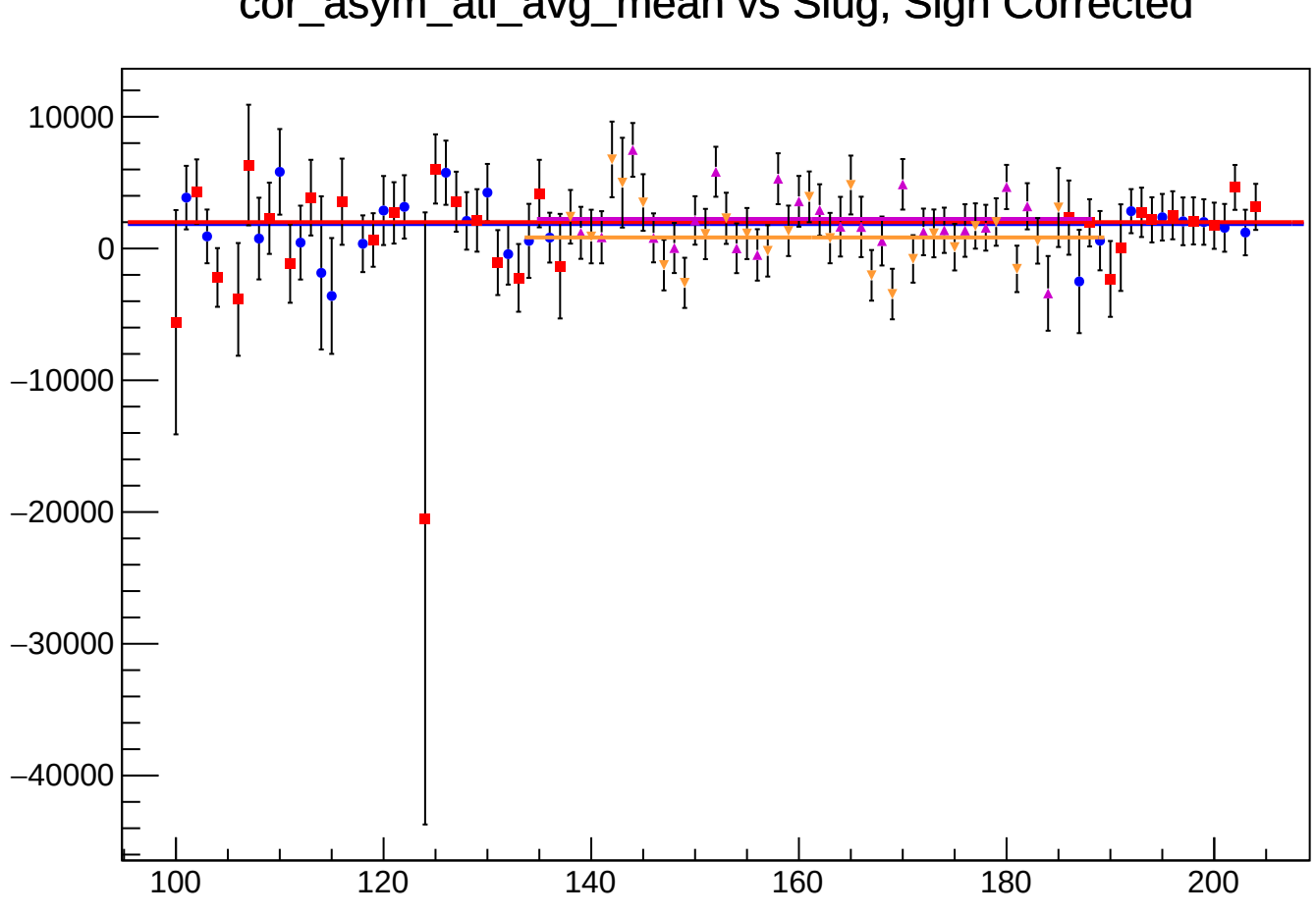
Left: 2085.479+/-0.347 χ^2/NDF: 38586716.8/47

Right: 1068.189+/-0.236 χ^2/NDF: 35400034.5/53

In: 2024.545+/-0.361 χ^2/NDF:31138680.3/46

Out: 1127.216+/-0.232 χ^2/NDF:44345133.0/54

All: 1390.058+/-0.195 χ^2/NDF: 79858931.4/1



Right In: 1855.392+/-458.570 χ^2/NDF: 13.1/23

Left Out: 841.564+/-394.444 χ^2/NDF:30.4/24

Right Out: 2001.429+/-433.884 χ^2/NDF: 25.5/29

Left In: 2245.061+/-400.753 χ^2/NDF:29.4/22

Left: 1532.178+/-281.118 χ^2/NDF: 66.0/47

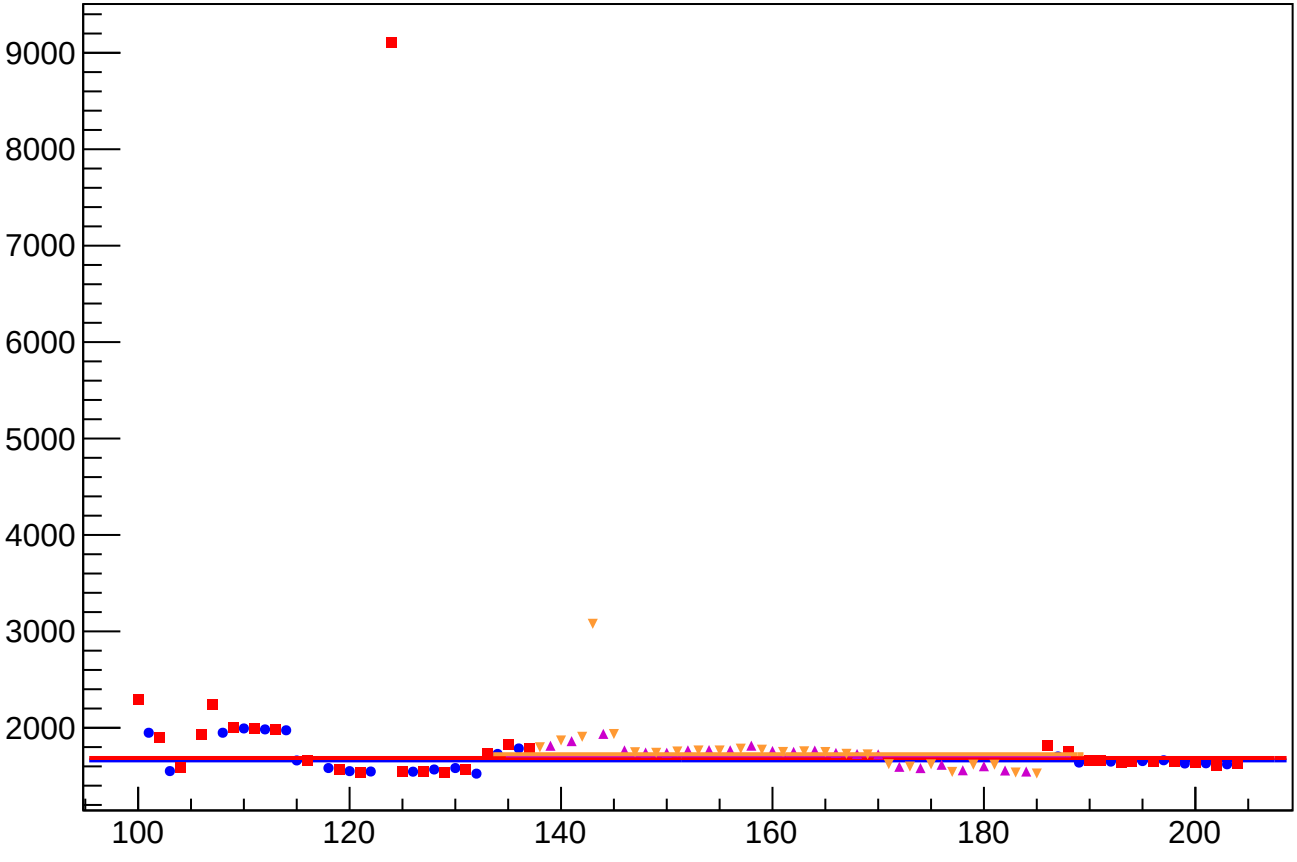
Right: 1932.447+/-315.168 χ^2/NDF: 38.6/53

In: 2076.326+/-301.759 χ^2/NDF:42.9/46

Out: 1366.397+/-291.864 χ^2/NDF:59.8/54

All: 1709.530+/-209.790 χ^2/NDF: 105.5/101

cor_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1662.118+/-0.324 χ^2/NDF: 145761.7/23

Left Out: 1726.058+/-0.279 χ^2/NDF:454930.8/24

Right Out: 1687.038+/-0.306 χ^2/NDF: 408423.3/29

Left In: 1713.156+/-0.283 χ^2/NDF:129290.6/22

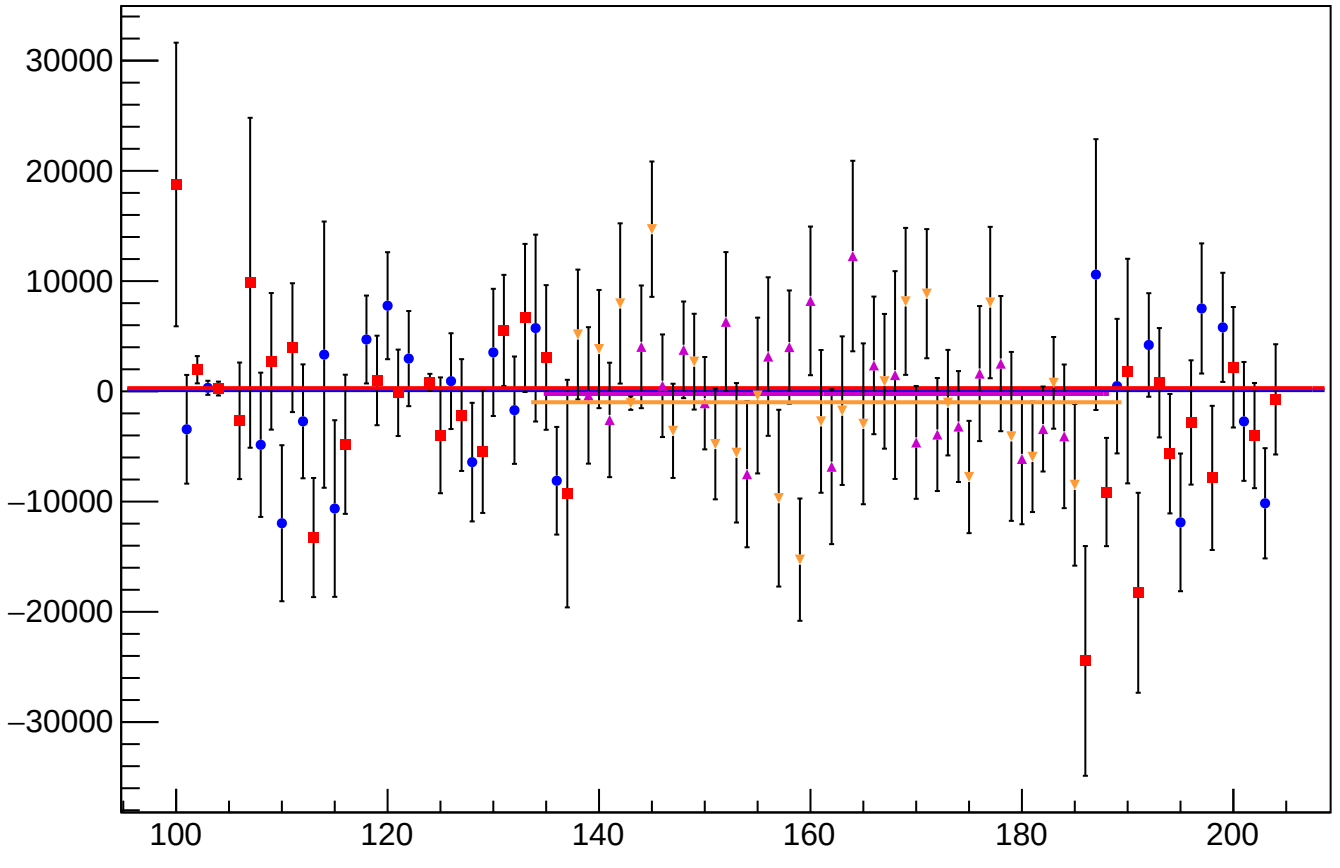
Left: 1719.709+/-0.199 χ^2/NDF: 585274.4/47

Right: 1675.291+/-0.223 χ^2/NDF: 557307.0/53

In: 1691.055+/-0.213 χ^2/NDF:289098.7/46

Out: 1708.364+/-0.206 χ^2/NDF:872229.4/54

All: 1700.006+/-0.148 χ^2/NDF: 1164730.8/10



Right In: 110.958+/-556.620 χ^2/NDF: 28.4/23

Left Out: -987.291+/-541.232 χ^2/NDF:30.8/24

Right Out: 289.506+/-418.408 χ^2/NDF: 35.2/29

Left In: -239.478+/-1165.045 χ^2/NDF:13.5/22

Left: -854.550+/-490.851 χ^2/NDF: 44.7/47

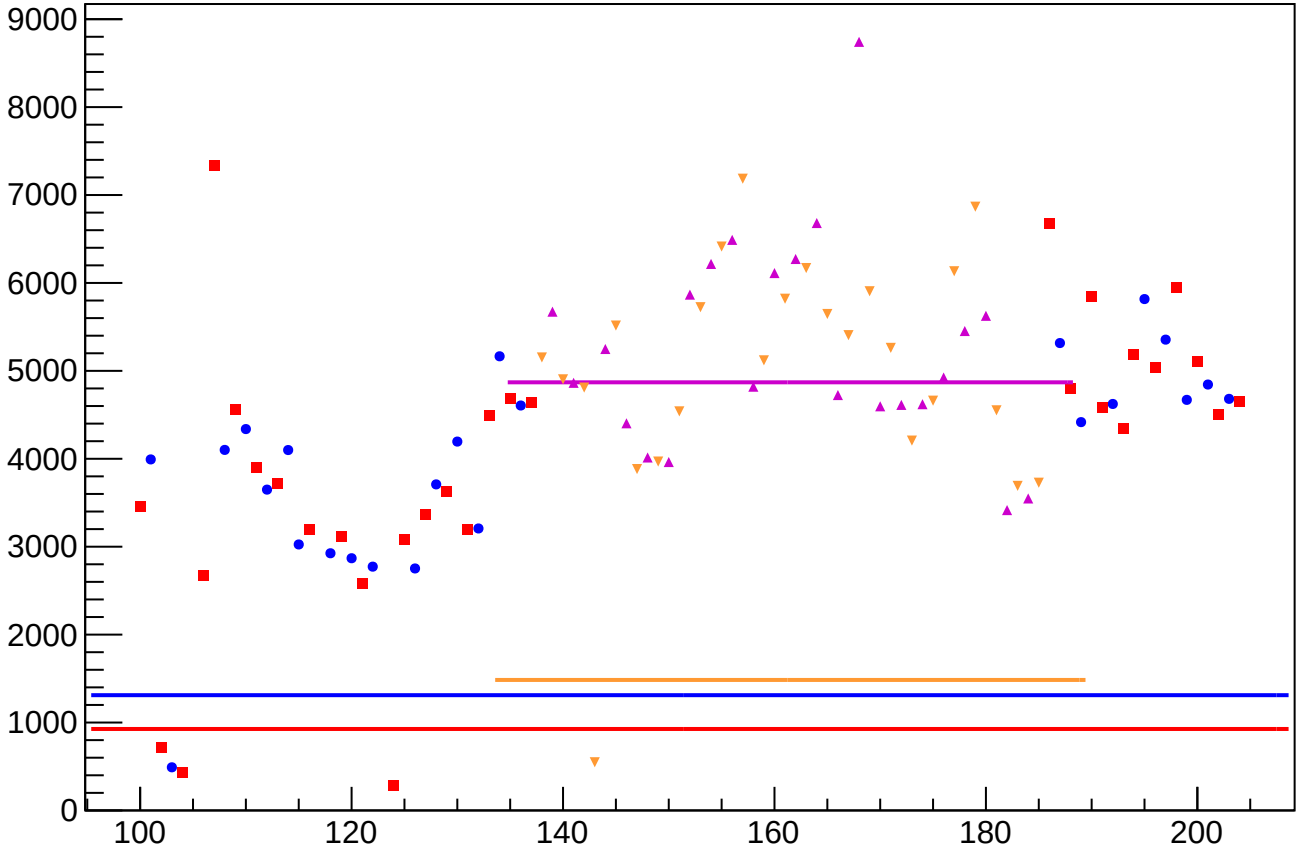
Right: 225.043+/-334.454 χ^2/NDF: 63.6/53

In: 45.833+/-502.242 χ^2/NDF:42.0/46

Out: -188.109+/-331.026 χ^2/NDF:69.5/54

All: -117.260+/-276.392 χ^2/NDF: 111.6/101

asym_atl_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 1311.187+/-0.394 χ^2/NDF: 15142601.9/23

Left Out: 1484.485+/-0.383 χ^2/NDF:23225570.5/24

Right Out: 926.791+/-0.296 χ^2/NDF: 19994218.9/29

Left In: 4869.699+/-0.824 χ^2/NDF:1474252.6/22

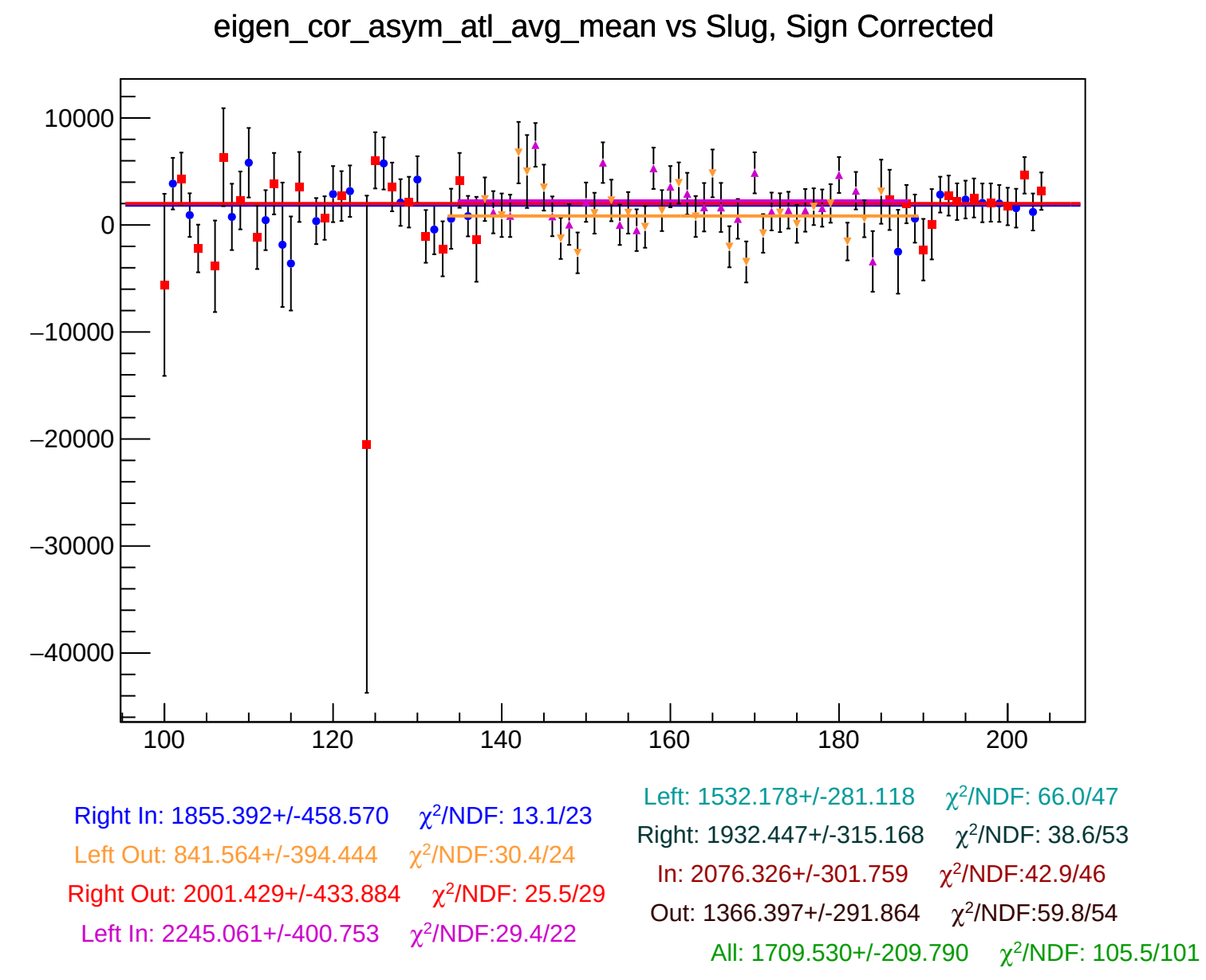
Left: 2085.382+/-0.347 χ^2/NDF: 38588136.1/47

Right: 1065.574+/-0.236 χ^2/NDF: 35746278.9/53

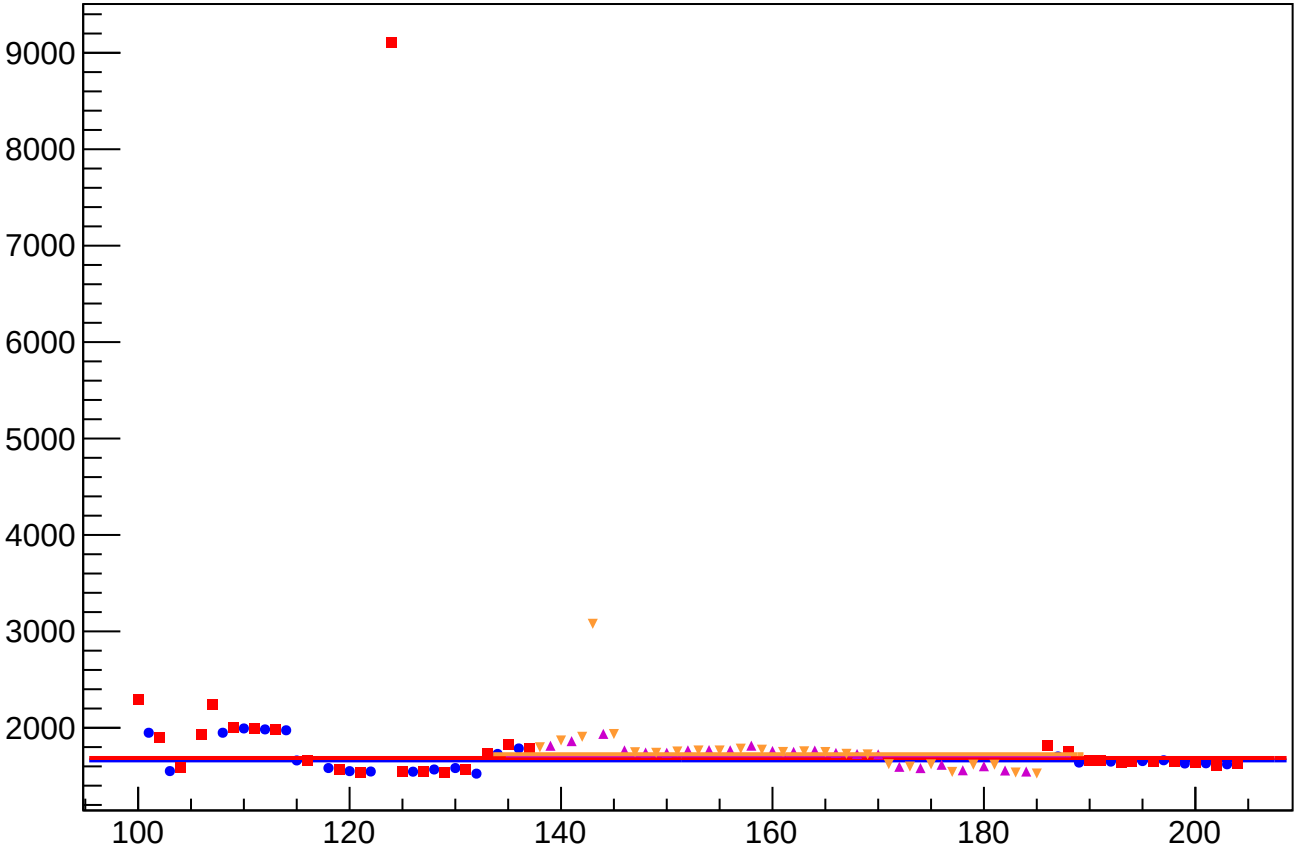
In: 1972.505+/-0.355 χ^2/NDF:31808005.8/46

Out: 1135.409+/-0.234 χ^2/NDF:44548949.4/54

All: 1388.922+/-0.195 χ^2/NDF: 80230250.9/1


eigen_cor_asym_atl_avg_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
Right In: 1855.392+/-458.570 χ²/NDF: 13.1/23
Left Out: 841.564+/-394.444 χ²/NDF:30.4/24
Right Out: 2001.429+/-433.884 χ²/NDF: 25.5/29
Left In: 2245.061+/-400.753 χ²/NDF:29.4/22
Left: 1532.178+/-281.118 χ²/NDF: 66.0/47
Right: 1932.447+/-315.168 χ²/NDF: 38.6/53
In: 2076.326+/-301.759 χ²/NDF:42.9/46
Out: 1366.397+/-291.864 χ²/NDF:59.8/54
All: 1709.530+/-209.790 χ²/NDF: 105.5/101

eigen_cor_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1662.118+/-0.324 χ^2/NDF: 145761.7/23

Left Out: 1726.058+/-0.279 χ^2/NDF:454930.8/24

Right Out: 1687.038+/-0.306 χ^2/NDF: 408423.3/29

Left In: 1713.156+/-0.283 χ^2/NDF:129290.6/22

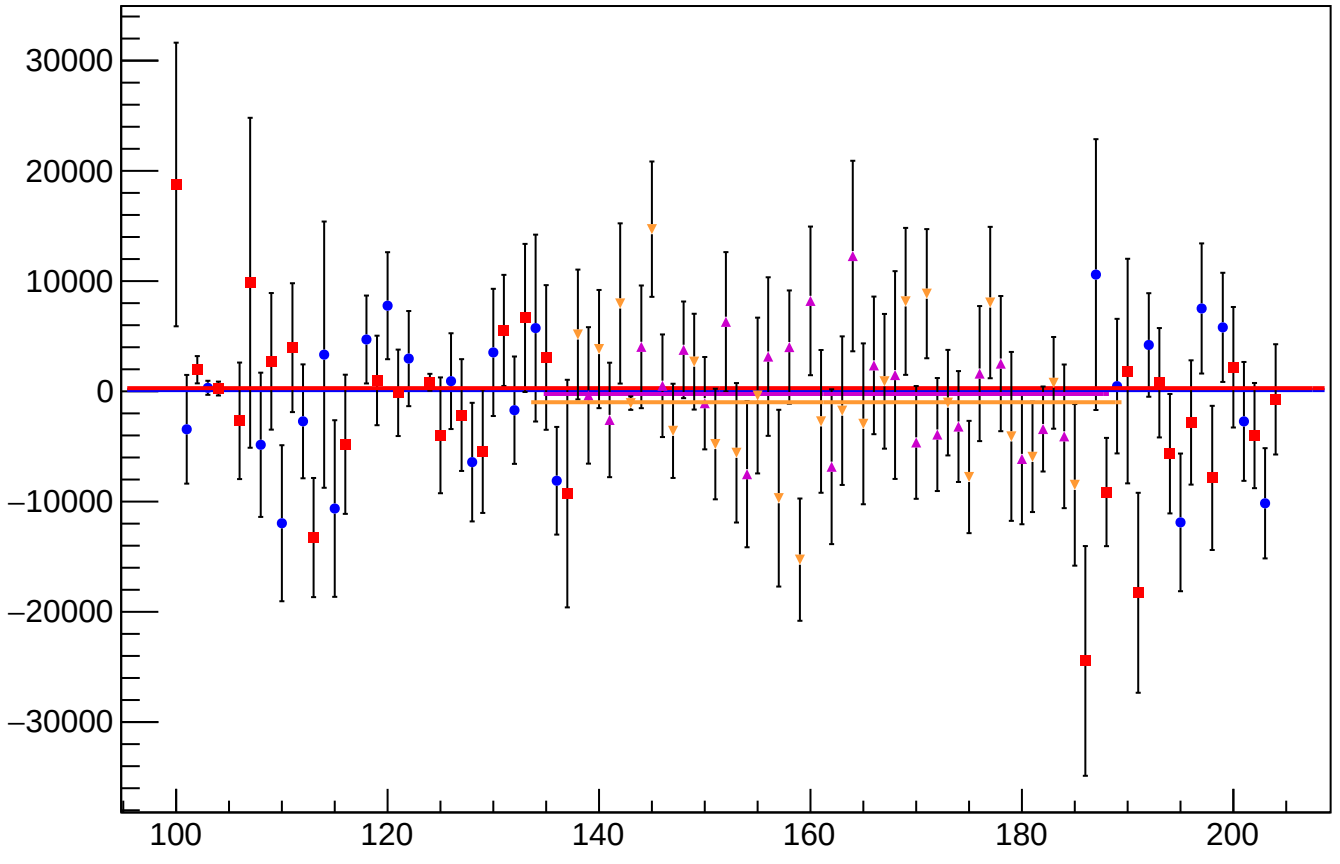
Left: 1719.709+/-0.199 χ^2/NDF: 585274.4/47

Right: 1675.291+/-0.223 χ^2/NDF: 557307.0/53

In: 1691.055+/-0.213 χ^2/NDF:289098.7/46

Out: 1708.364+/-0.206 χ^2/NDF:872229.4/54

All: 1700.006+/-0.148 χ^2/NDF: 1164730.8/10



Right In: 110.958+/-556.620 χ^2/NDF: 28.4/23

Left Out: -987.291+/-541.232 χ^2/NDF:30.8/24

Right Out: 289.506+/-418.408 χ^2/NDF: 35.2/29

Left In: -239.478+/-1165.045 χ^2/NDF:13.5/22

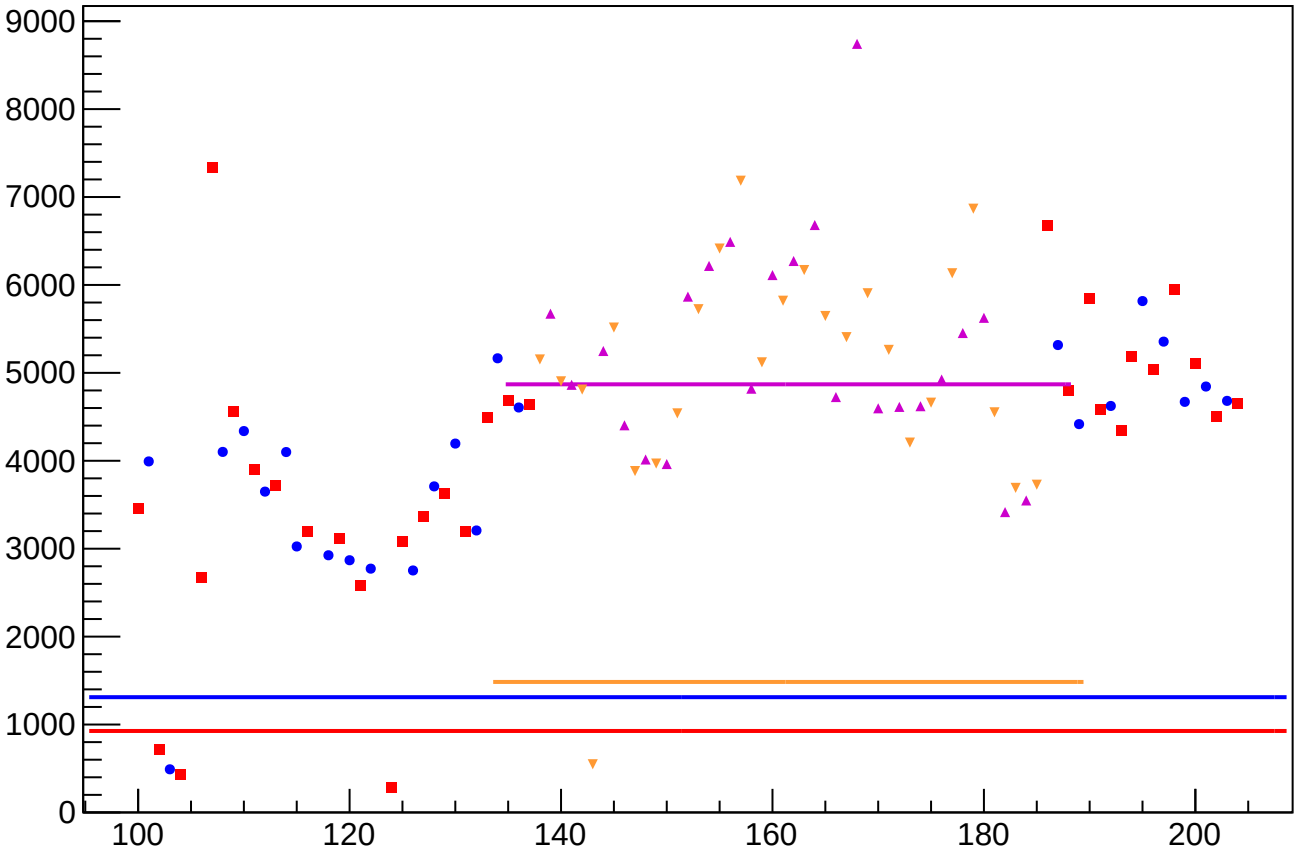
Left: -854.550+/-490.851 χ^2/NDF: 44.7/47

Right: 225.043+/-334.454 χ^2/NDF: 63.6/53

In: 45.833+/-502.242 χ^2/NDF:42.0/46

Out: -188.109+/-331.026 χ^2/NDF:69.5/54

All: -117.260+/-276.392 χ^2/NDF: 111.6/101



Right In: 1311.187+/-0.394 χ^2/NDF: 15142601.9/23

Left Out: 1484.485+/-0.383 χ^2/NDF:23225570.5/24

Right Out: 926.791+/-0.296 χ^2/NDF: 19994218.9/29

Left In: 4869.699+/-0.824 χ^2/NDF:1474252.6/22

Left: 2085.382+/-0.347 χ^2/NDF: 38588136.1/47

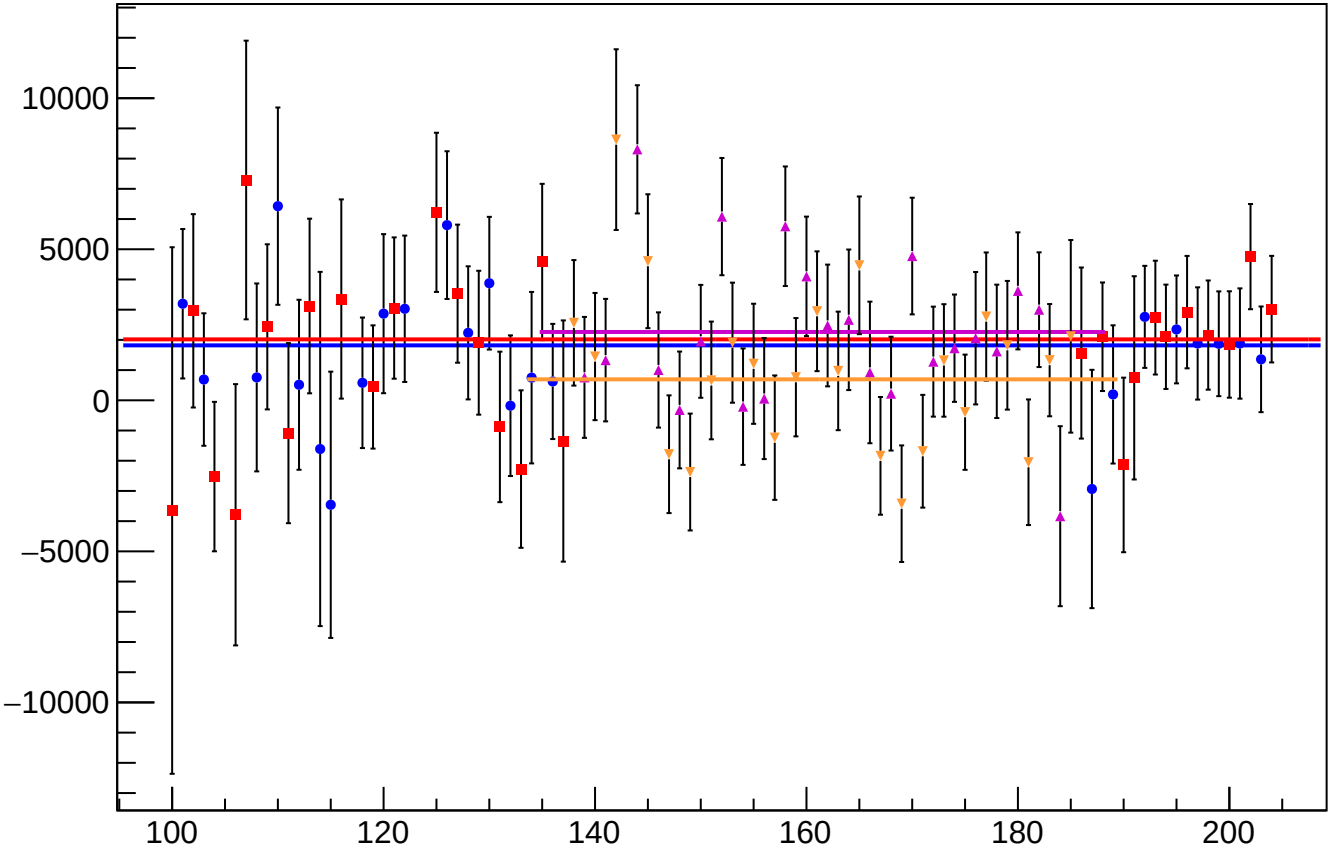
Right: 1065.574+/-0.236 χ^2/NDF: 35746278.9/53

In: 1972.505+/-0.355 χ^2/NDF:31808005.8/46

Out: 1135.409+/-0.234 χ^2/NDF:44548949.4/54

All: 1388.922+/-0.195 χ^2/NDF: 80230250.9/1

dit_asym_atl_avg_mean vs Slug, Sign Corrected



Right In: 1818.607+/-464.368 χ^2/NDF: 12.7/23

Left Out: 694.317+/-418.051 χ^2/NDF:32.2/23

Right Out: 2016.914+/-442.067 χ^2/NDF: 23.4/28

Left In: 2261.767+/-419.177 χ^2/NDF:30.4/22

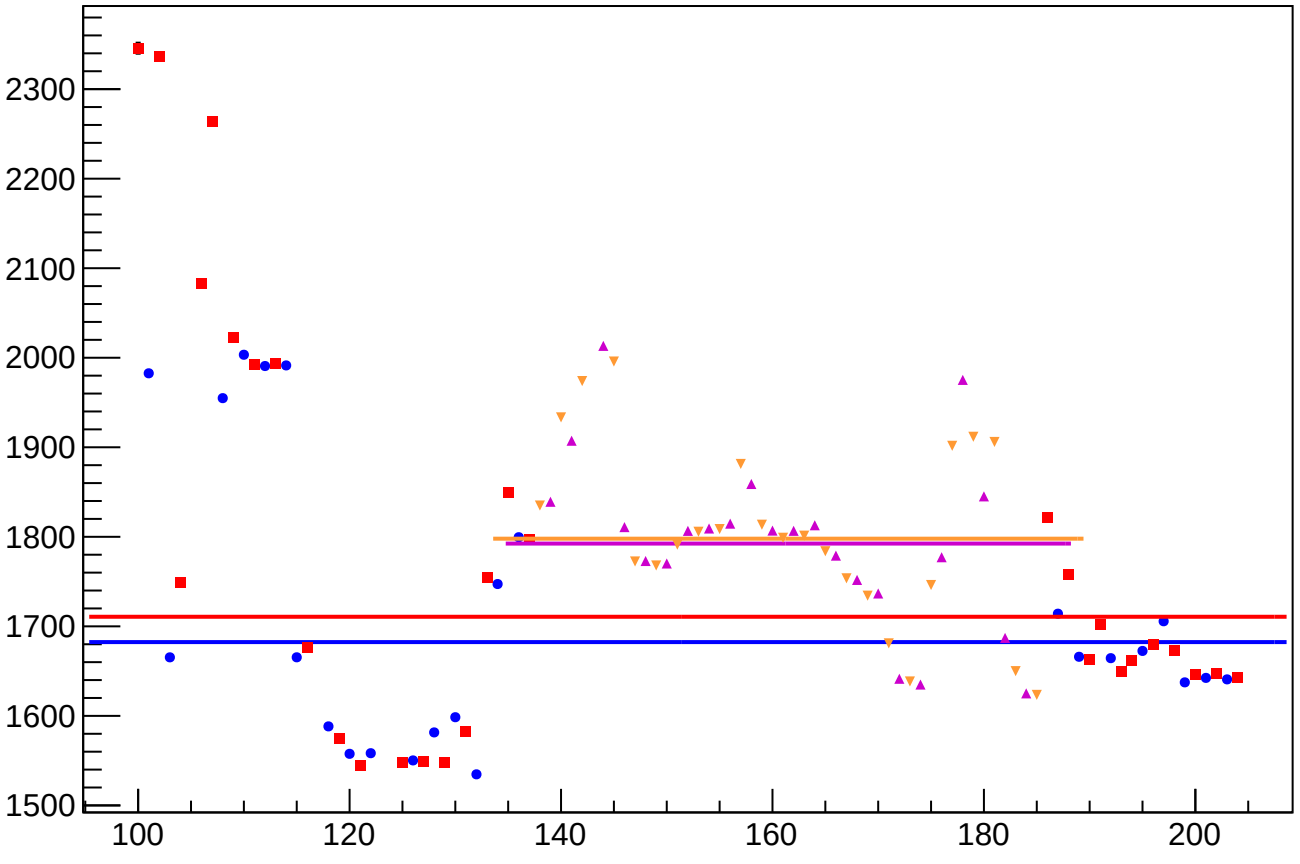
Left: 1475.934+/-296.004 χ^2/NDF: 69.6/46

Right: 1922.636+/-320.182 χ^2/NDF: 36.2/52

In: 2062.795+/-311.156 χ^2/NDF:43.6/46

Out: 1318.714+/-303.742 χ^2/NDF:60.3/52

All: 1681.784+/-217.352 χ^2/NDF: 106.8/99



Right In: 1682.412+/-0.328 χ^2/NDF: 141280.0/23

Left Out: 1797.909+/-0.296 χ^2/NDF:98002.1/23

Right Out: 1710.702+/-0.312 χ^2/NDF: 274361.0/28

Left In: 1792.450+/-0.296 χ^2/NDF:92875.2/22

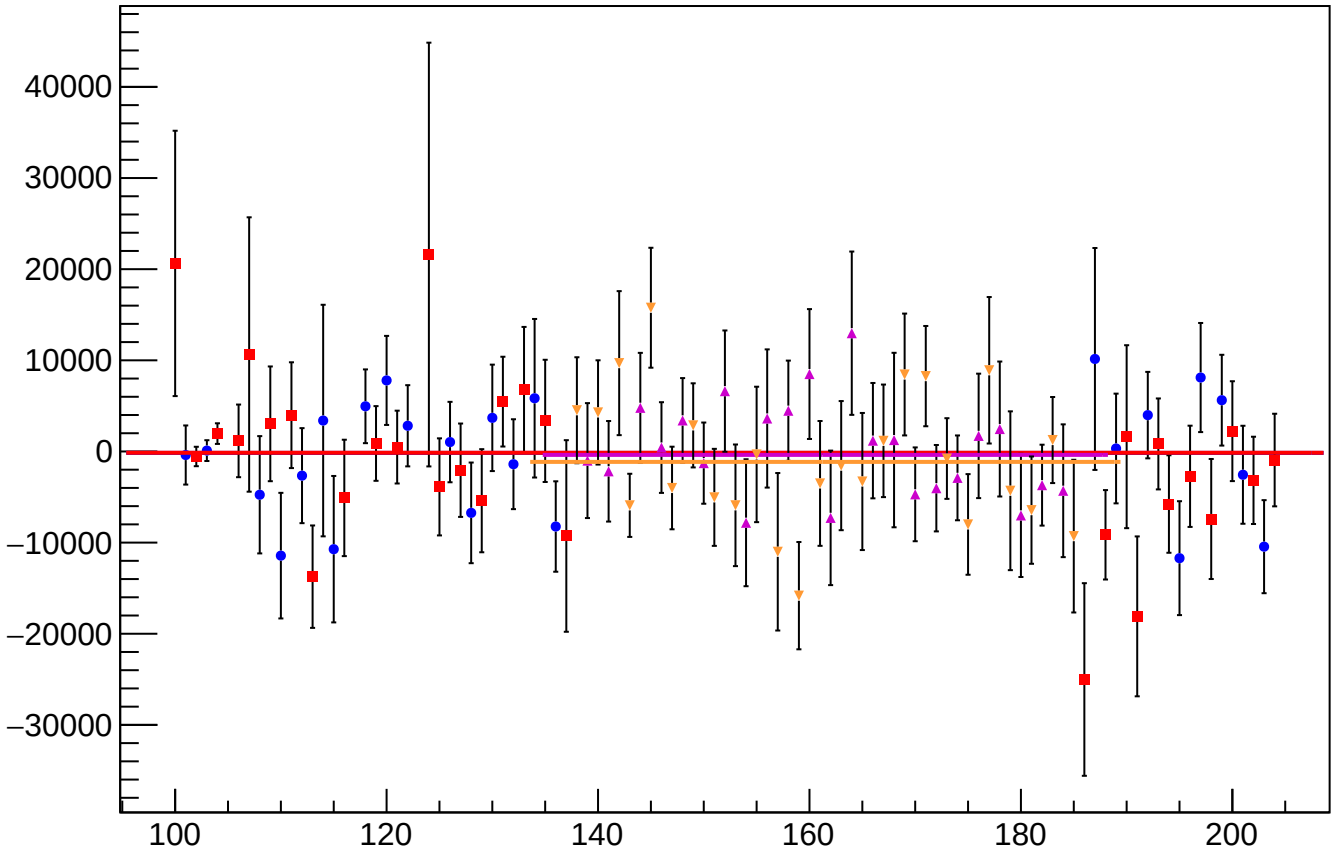
Left: 1795.187+/-0.209 χ^2/NDF: 191047.3/46

Right: 1697.267+/-0.226 χ^2/NDF: 419538.6/52

In: 1743.045+/-0.220 χ^2/NDF:296035.6/46

Out: 1756.695+/-0.215 χ^2/NDF:413495.0/52

All: 1750.038+/-0.154 χ^2/NDF: 711502.3/99



Right In: -157.569+/-797.084 χ^2/NDF: 27.5/23

Left Out: -1144.405+/-1164.458 χ^2/NDF:32.6/24

Right Out: -142.875+/-634.012 χ^2/NDF: 35.6/29

Left In: -374.927+/-1228.699 χ^2/NDF:13.3/22

Left: -780.307+/-845.195 χ^2/NDF: 46.0/47

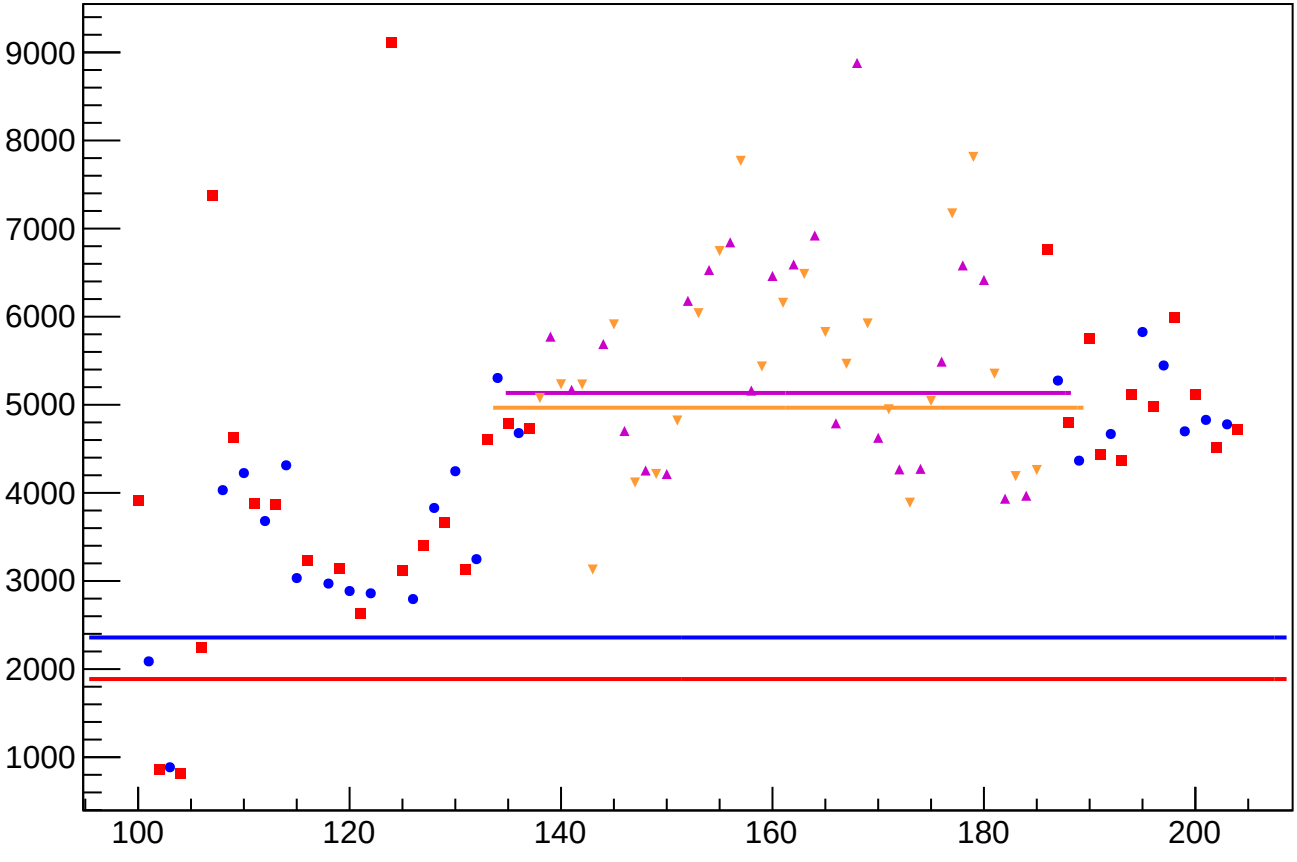
Right: -148.569+/-496.188 χ^2/NDF: 63.1/53

In: -221.949+/-668.700 χ^2/NDF:40.8/46

Out: -371.886+/-556.827 χ^2/NDF:68.7/54

All: -310.492+/-427.900 χ^2/NDF: 109.6/101

asym_atl_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 2358.743+/-0.564 χ^2/NDF: 8286481.3/23

Left Out: 4966.879+/-0.823 χ^2/NDF:1917937.7/24

Right Out: 1887.193+/-0.448 χ^2/NDF: 12981133.3/29

Left In: 5134.445+/-0.869 χ^2/NDF:1487075.9/22

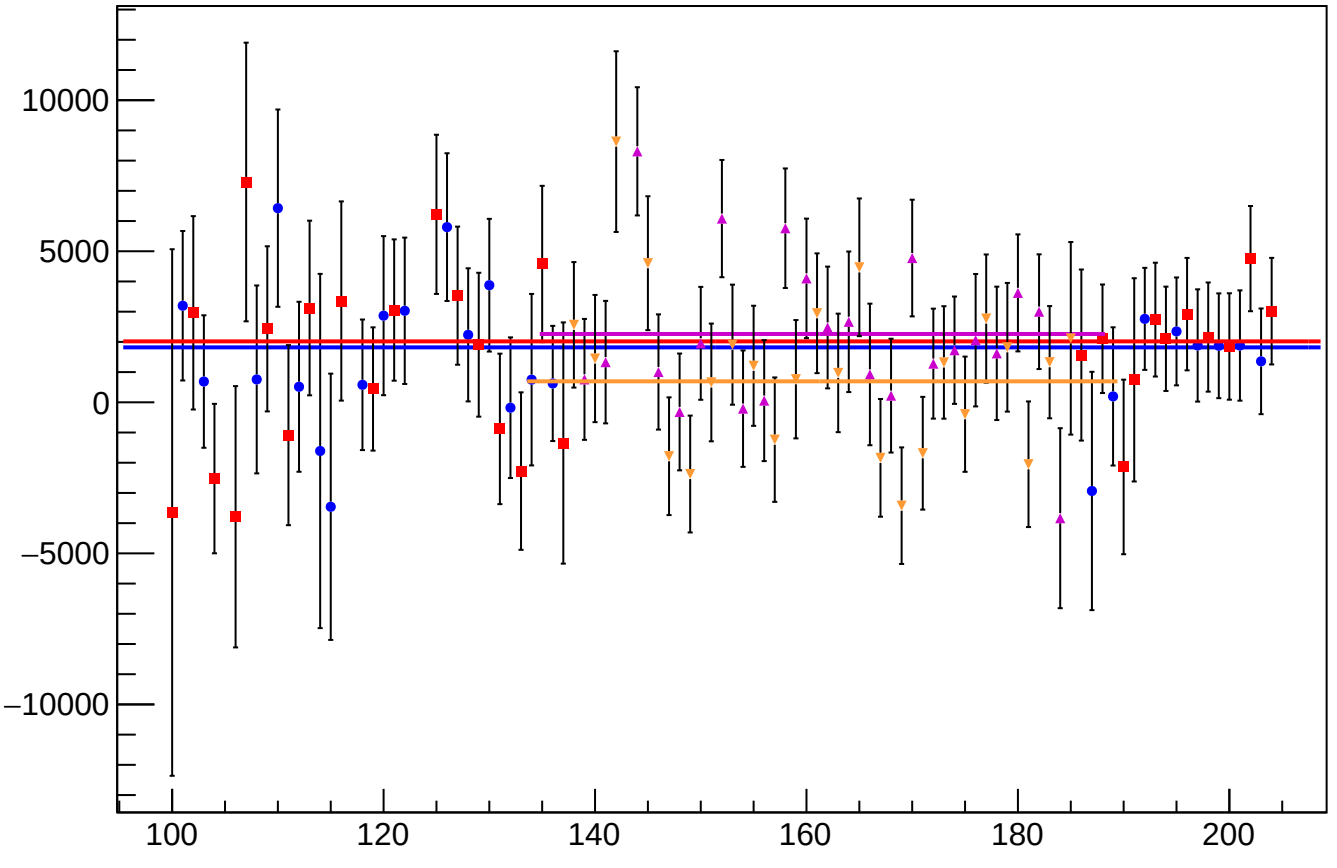
Left: 5046.167+/-0.598 χ^2/NDF: 3424610.1/47

Right: 2069.924+/-0.351 χ^2/NDF: 21696334.0/53

In: 3180.881+/-0.473 χ^2/NDF:16957110.6/46

Out: 2591.399+/-0.394 χ^2/NDF:25689531.4/54

All: 2832.773+/-0.303 χ^2/NDF: 43564448.1/1



Right In: 1818.601+/-464.368 χ^2/NDF: 12.7/23

Left Out: 694.313+/-418.051 χ^2/NDF:32.2/23

Right Out: 2016.912+/-442.067 χ^2/NDF: 23.4/28

Left In: 2261.767+/-419.177 χ^2/NDF:30.4/22

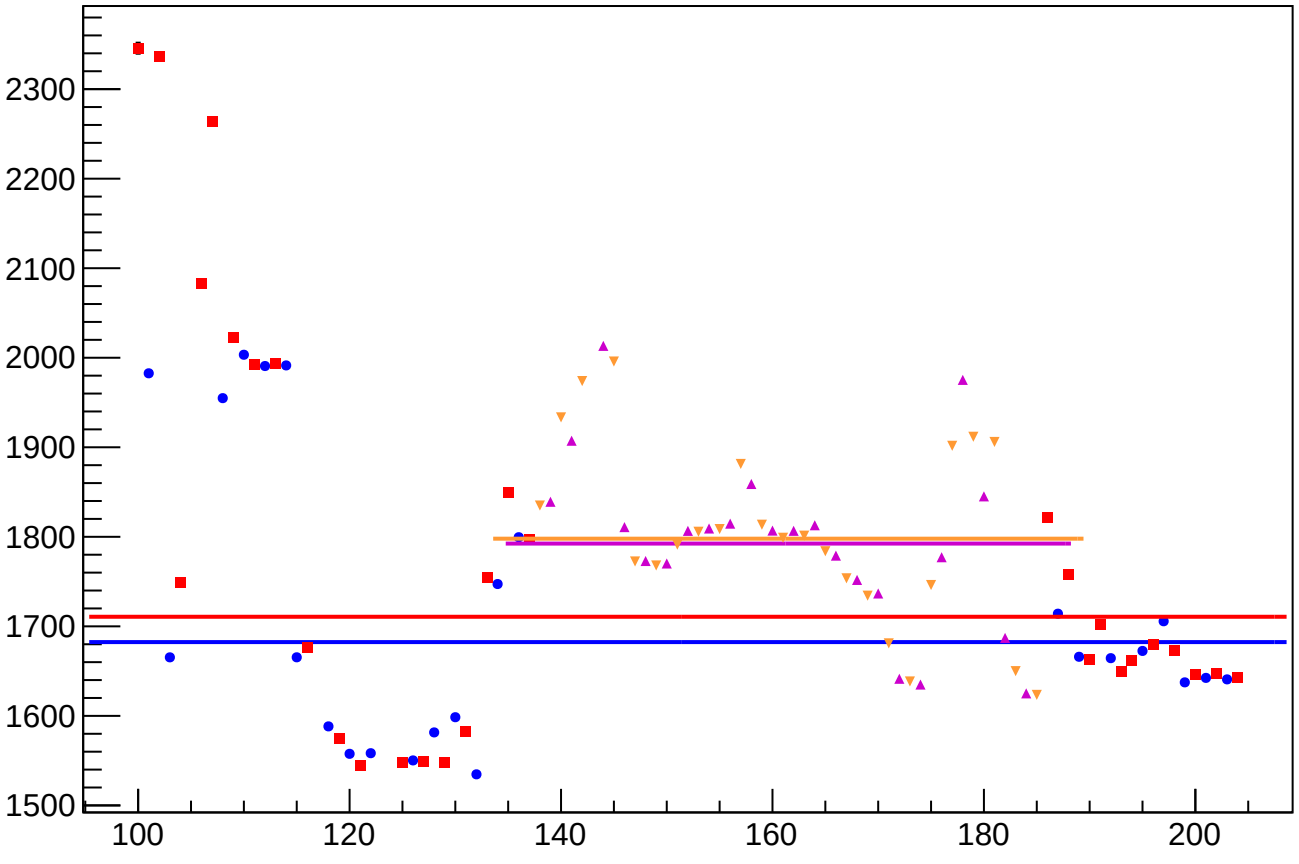
Left: 1475.932+/-296.004 χ^2/NDF: 69.6/46

Right: 1922.633+/-320.182 χ^2/NDF: 36.2/52

In: 2062.791+/-311.156 χ^2/NDF:43.6/46

Out: 1318.712+/-303.742 χ^2/NDF:60.3/52

All: 1681.781+/-217.352 χ^2/NDF: 106.8/99



Right In: 1682.412+/-0.328 χ^2/NDF: 141280.2/23

Left Out: 1797.911+/-0.296 χ^2/NDF:98005.5/23

Right Out: 1710.702+/-0.312 χ^2/NDF: 274360.2/28

Left In: 1792.451+/-0.296 χ^2/NDF:92878.6/22

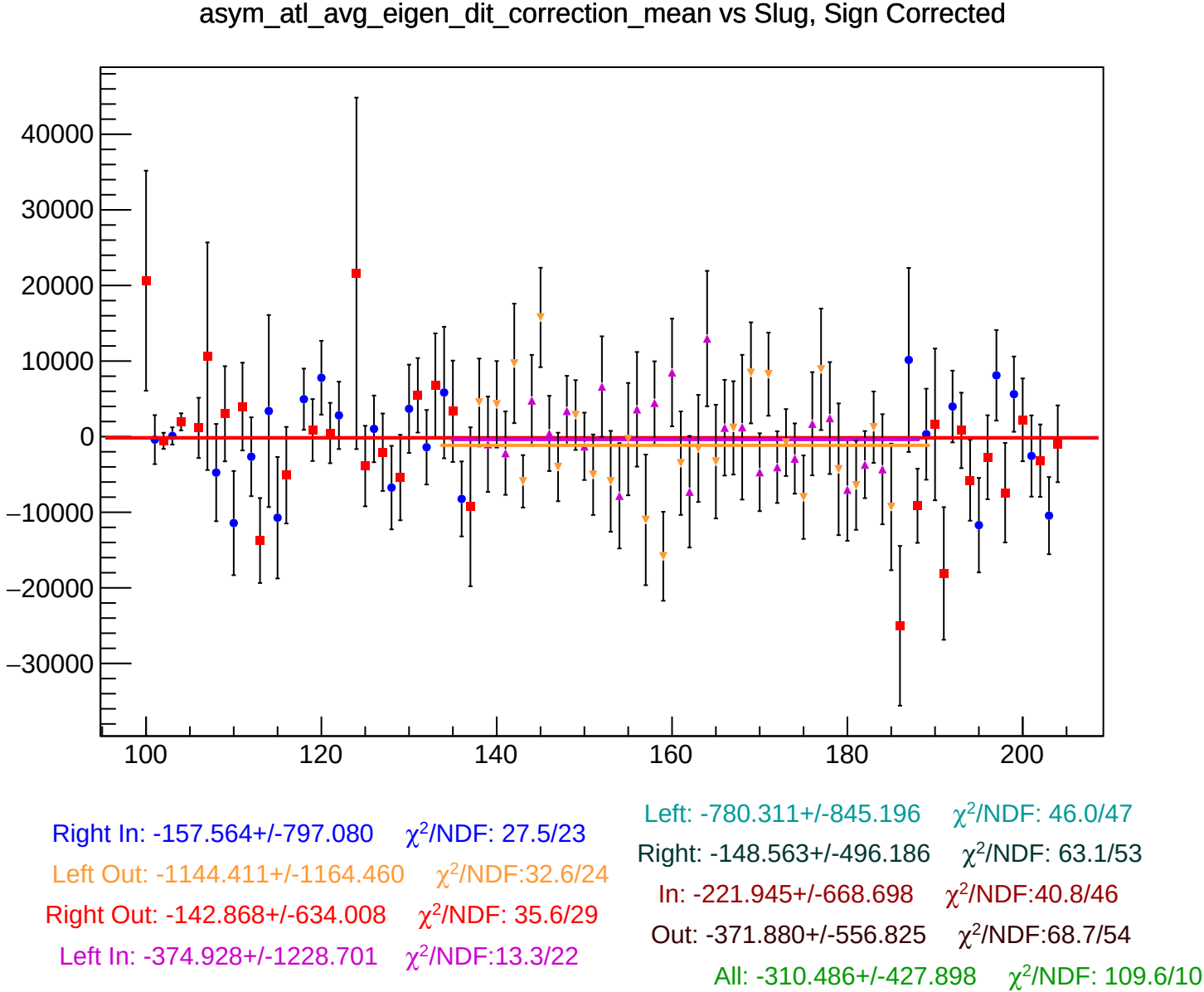
Left: 1795.188+/-0.209 χ^2/NDF: 191054.1/46

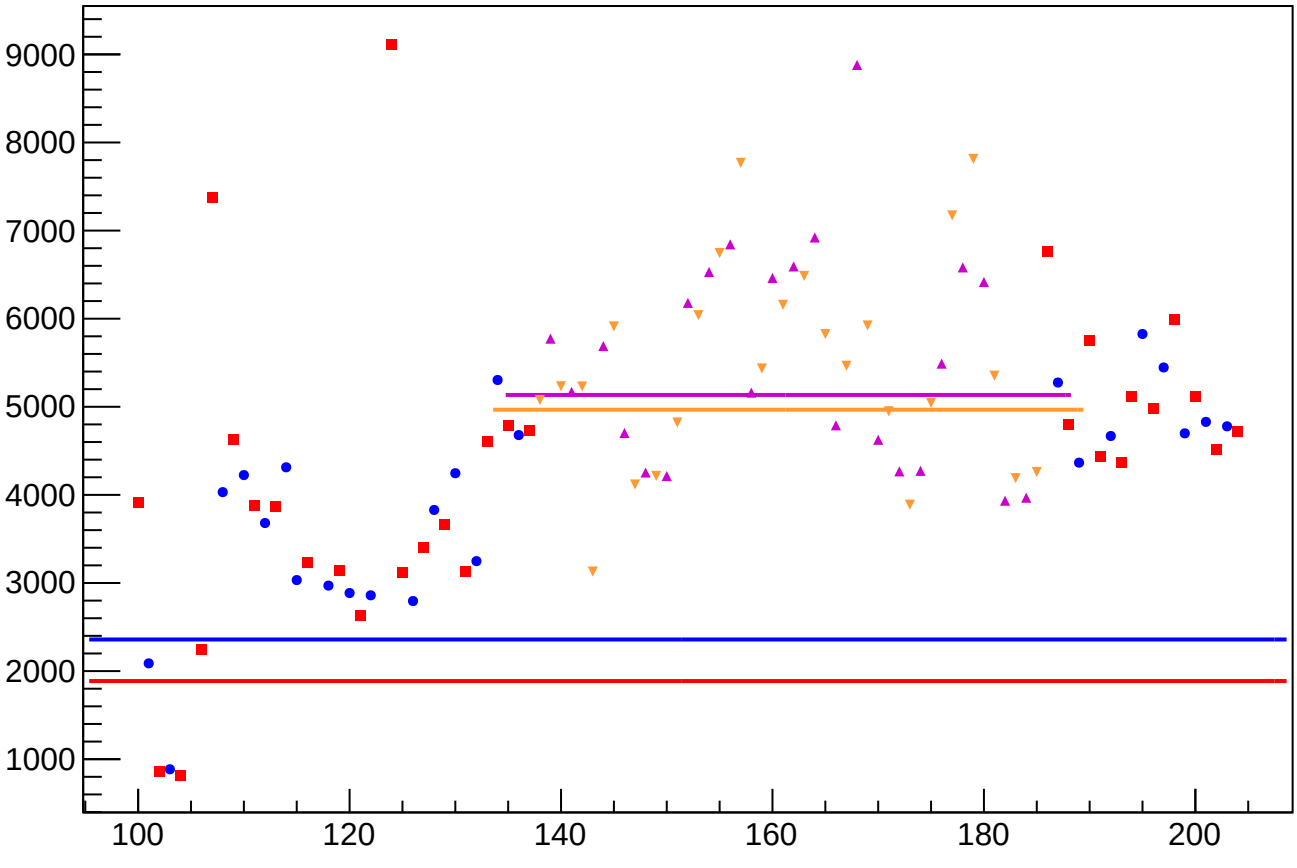
Right: 1697.267+/-0.226 χ^2/NDF: 419538.0/52

In: 1743.045+/-0.220 χ^2/NDF:296040.5/46

Out: 1756.695+/-0.215 χ^2/NDF:413498.8/52

All: 1750.038+/-0.154 χ^2/NDF: 711511.0/99


asym_atl_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
−30000
100
120
140
160
180
200
Right In: -157.564+/-797.080 χ²/NDF: 27.5/23
Left Out: -1144.411+/-1164.460 χ²/NDF:32.6/24
Right Out: -142.868+/-634.008 χ²/NDF: 35.6/29
Left In: -374.928+/-1228.701 χ²/NDF:13.3/22
Left: -780.311+/-845.196 χ²/NDF: 46.0/47
Right: -148.563+/-496.186 χ²/NDF: 63.1/53
In: -221.945+/-668.698 χ²/NDF:40.8/46
Out: -371.880+/-556.825 χ²/NDF:68.7/54
All: -310.486+/-427.898 χ²/NDF: 109.6/101



Right In: 2358.723+/-0.564 χ^2/NDF: 8286575.4/23

Left Out: 4966.886+/-0.823 χ^2/NDF:1917943.9/24

Right Out: 1887.176+/-0.448 χ^2/NDF: 12981243.2/29

Left In: 5134.453+/-0.869 χ^2/NDF:1487077.8/22

Left: 5046.175+/-0.598 χ^2/NDF: 3424618.3/47

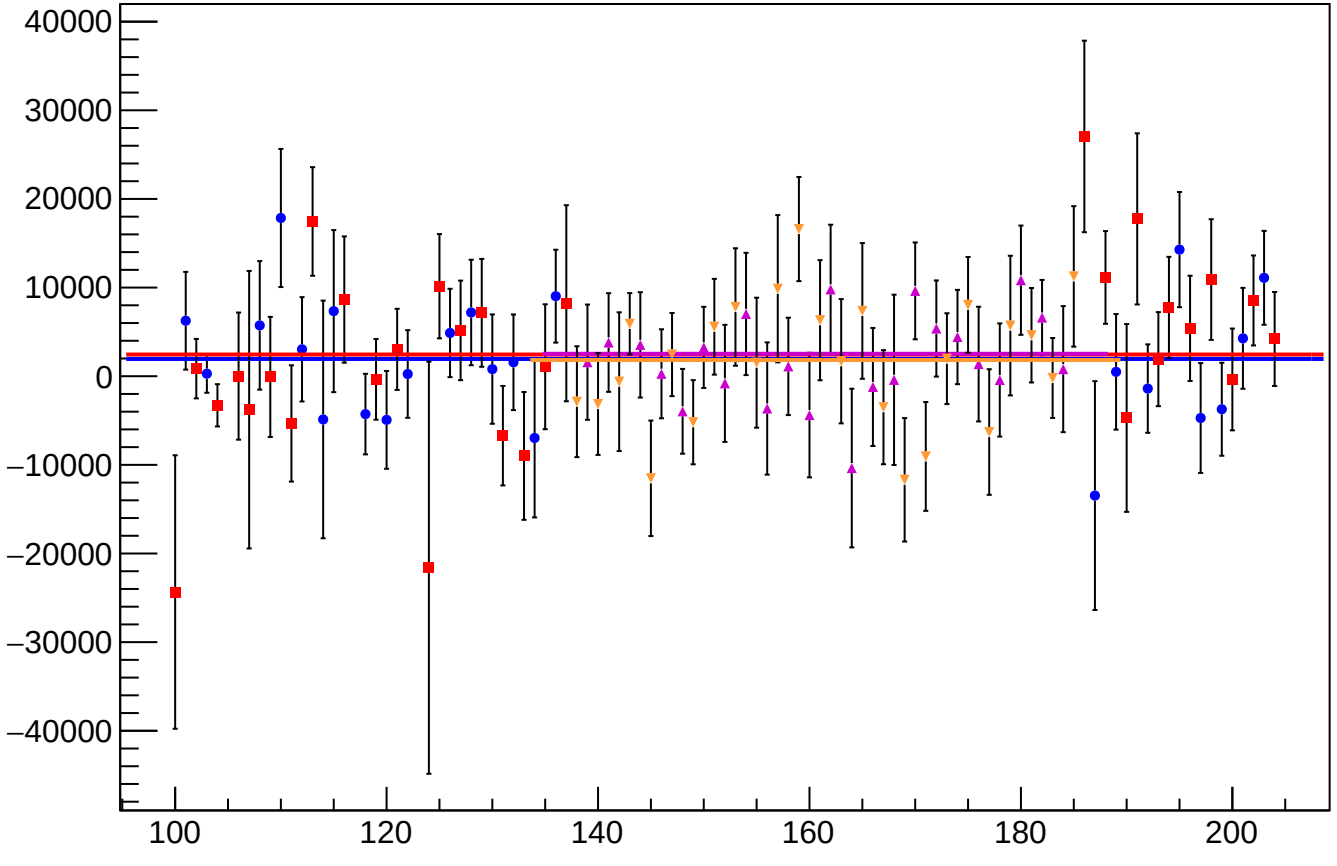
Right: 2069.906+/-0.351 χ^2/NDF: 21696540.5/53

In: 3180.862+/-0.473 χ^2/NDF:16957355.1/46

Out: 2591.378+/-0.394 χ^2/NDF:25689828.8/54

All: 2832.753+/-0.303 χ^2/NDF: 43565001.8/

asym_atl_avg_mean vs Slug, Sign Corrected



Right In: 1946.010+/-1082.708 χ^2/NDF: 24.8/23

Left Out: 1826.201+/-1172.478 χ^2/NDF:31.1/24

Right Out: 2447.506+/-1034.366 χ^2/NDF: 42.5/29

Left In: 2529.501+/-1242.040 χ^2/NDF:13.2/22

Left: 2157.606+/-852.599 χ^2/NDF: 44.4/47

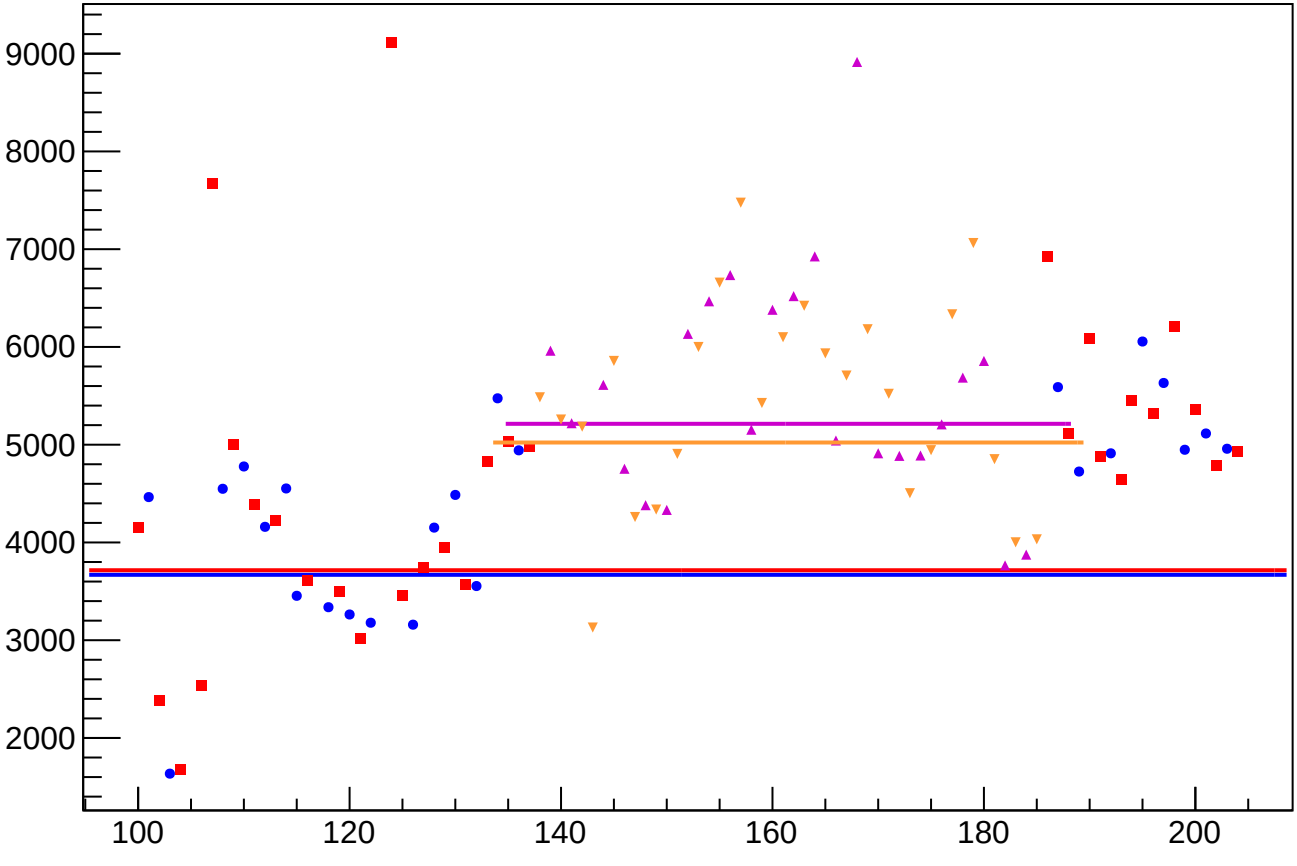
Right: 2208.204+/-747.913 χ^2/NDF: 67.4/53

In: 2197.952+/-816.147 χ^2/NDF:38.1/46

Out: 2175.586+/-775.664 χ^2/NDF:73.7/54

All: 2186.200+/-562.244 χ^2/NDF: 111.9/101

asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 3669.127+/-0.766 χ^2/NDF: 3288792.8/23

Left Out: 5022.407+/-0.829 χ^2/NDF:1676611.8/24

Right Out: 3715.832+/-0.723 χ^2/NDF: 3911127.6/29

Left In: 5213.625+/-0.878 χ^2/NDF:1223192.9/22

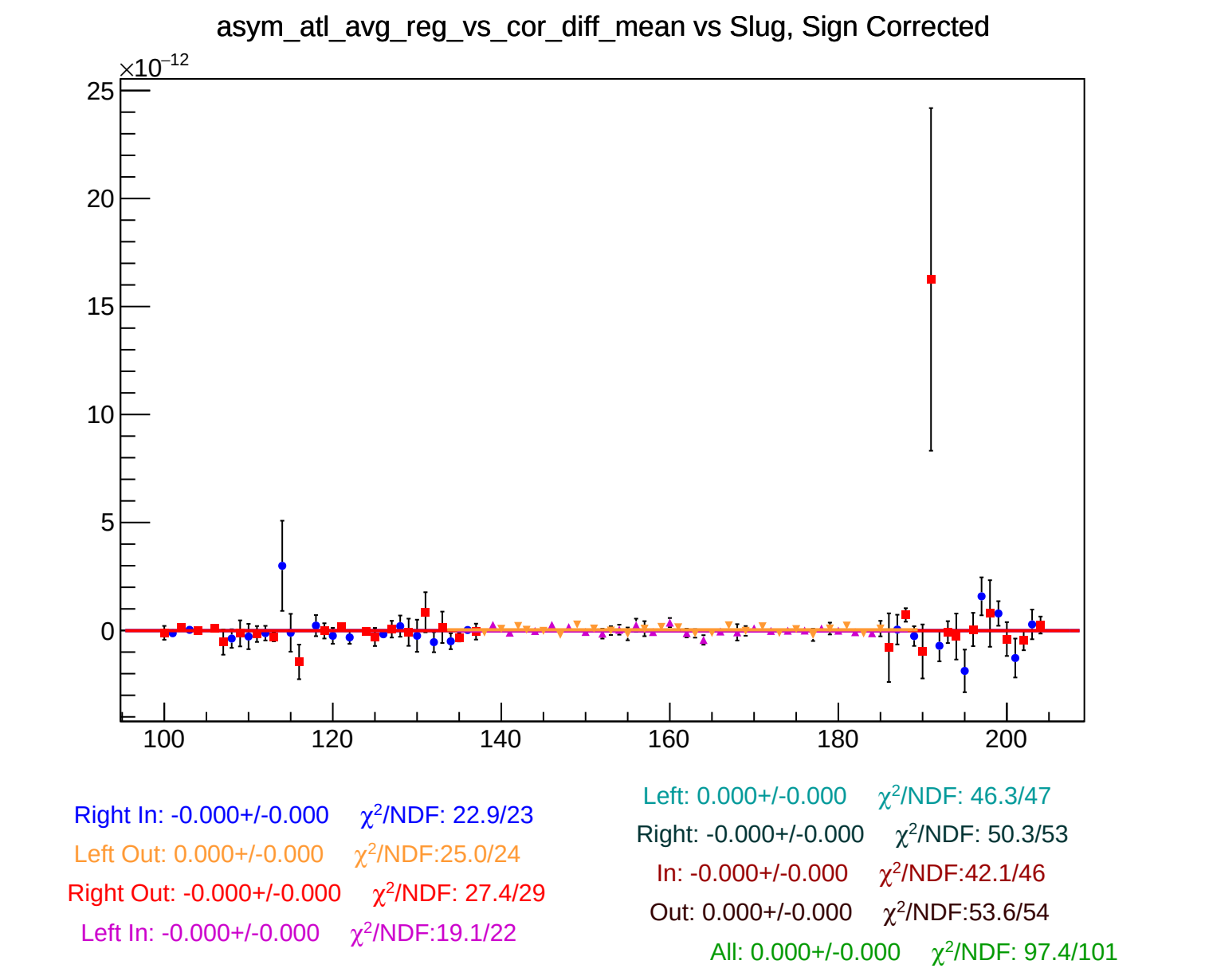
Left: 5112.512+/-0.603 χ^2/NDF: 2924871.4/47

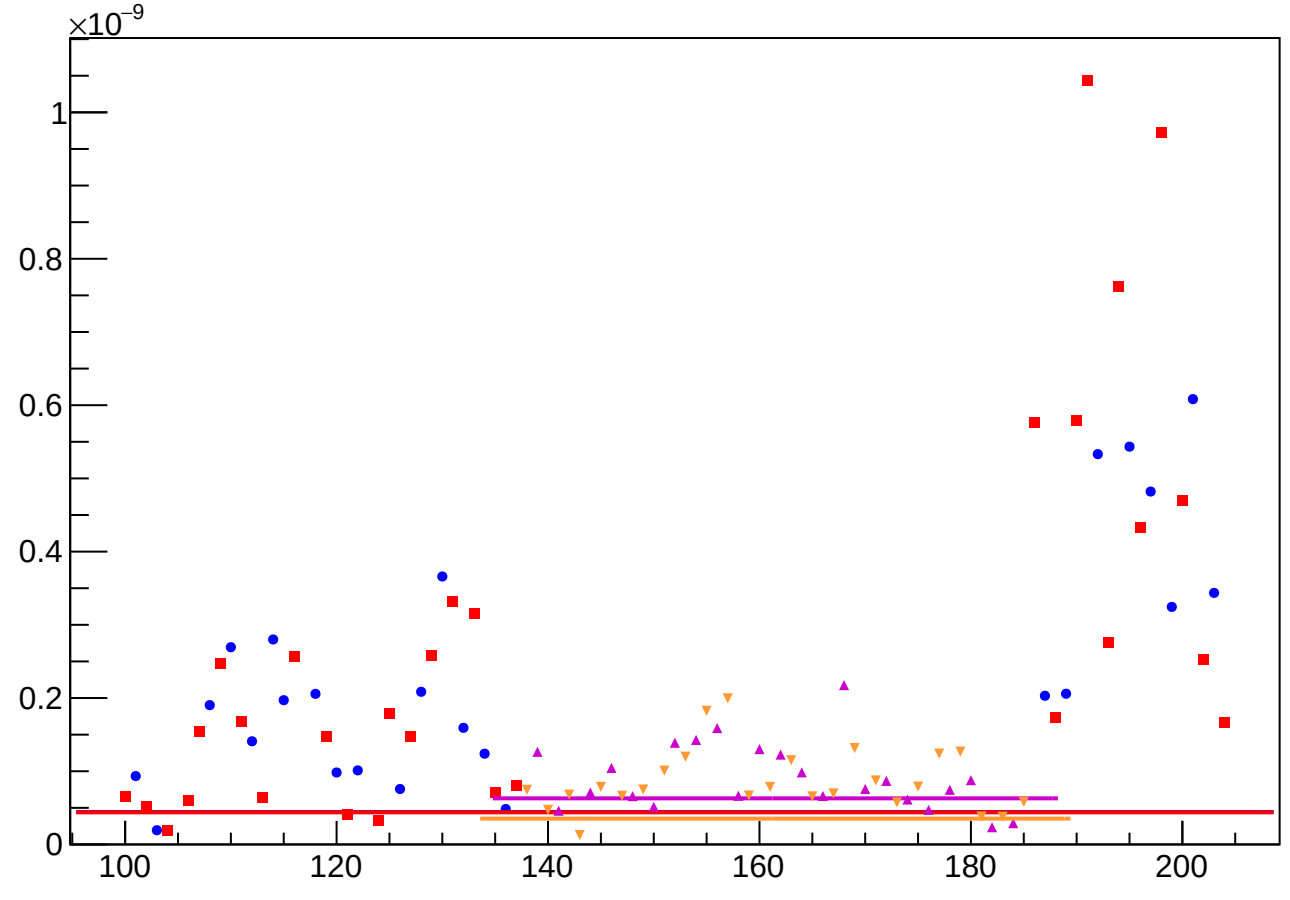
Right: 3693.800+/-0.526 χ^2/NDF: 7201886.4/53

In: 4336.014+/-0.577 χ^2/NDF:6269294.1/46

Out: 4280.634+/-0.545 χ^2/NDF:6997762.2/54

All: 4306.746+/-0.396 χ^2/NDF: 13271923.2/


asym_atl_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
25
20
15
10
5
0
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 22.9/23
Left Out: 0.000+/-0.000 χ²/NDF:25.0/24
Right Out: -0.000+/-0.000 χ²/NDF: 27.4/29
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: 50.3/53
In: -0.000+/-0.000 χ²/NDF:42.1/46
Out: 0.000+/-0.000 χ²/NDF:53.6/54
All: 0.000+/-0.000 χ²/NDF: 97.4/101



Right In: 0.000+/-0.000 χ^2/NDF: 6887454.1/23

Left Out: 0.000+/-0.000 χ^2/NDF:6511119.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7528098.3/29

Left In: 0.000+/-0.000 χ^2/NDF:2934305.1/22

Left: 0.000+/-0.000 χ^2/NDF: 10839622.8/47

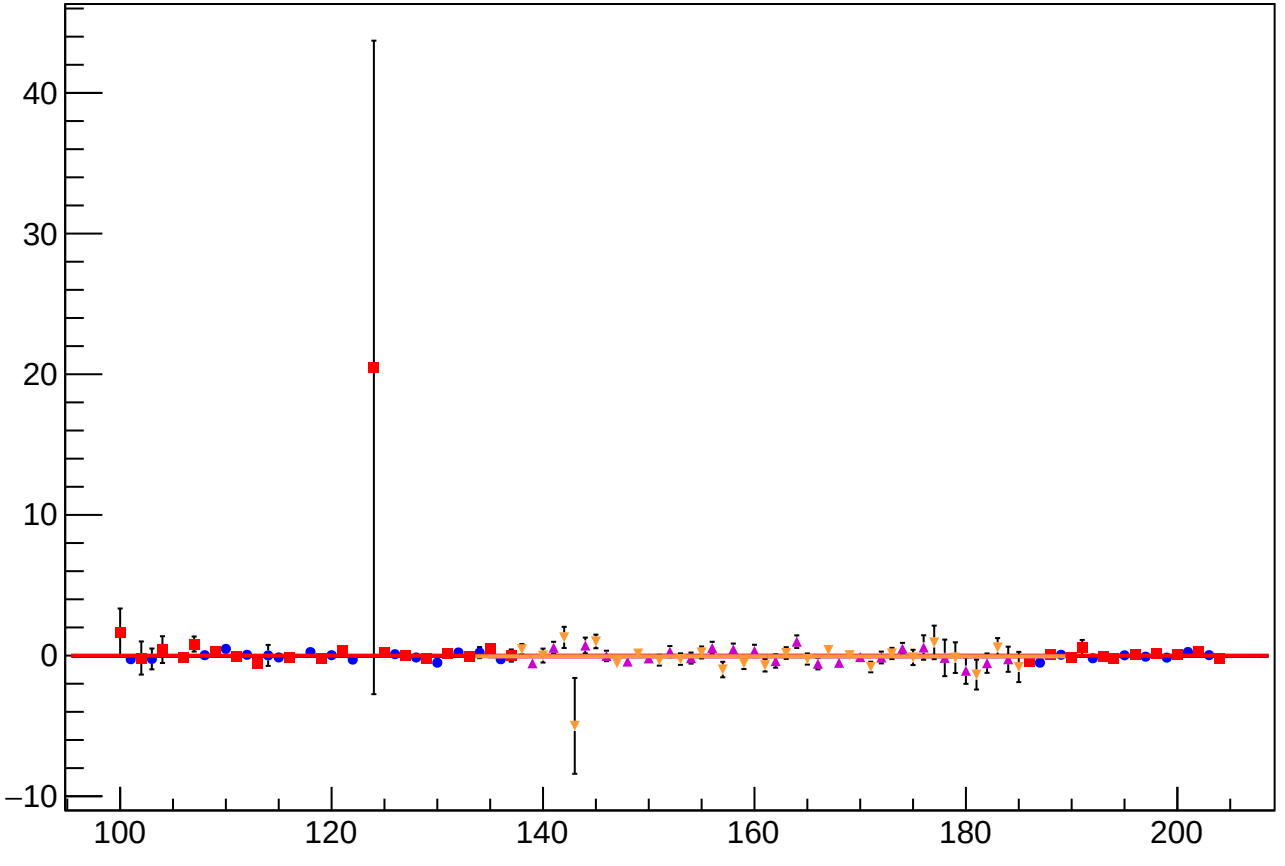
Right: 0.000+/-0.000 χ^2/NDF: 14415638.8/53

In: 0.000+/-0.000 χ^2/NDF:10191879.9/46

Out: 0.000+/-0.000 χ^2/NDF:14149180.5/54

All: 0.000+/-0.000 χ^2/NDF: 25255581.1/101

asym_atl_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.030+/-0.045 χ^2/NDF: 23.2/23

Left Out: -0.054+/-0.085 χ^2/NDF:33.1/24

Right Out: -0.004+/-0.039 χ^2/NDF: 31.8/29

Left In: -0.063+/-0.083 χ^2/NDF:28.0/22

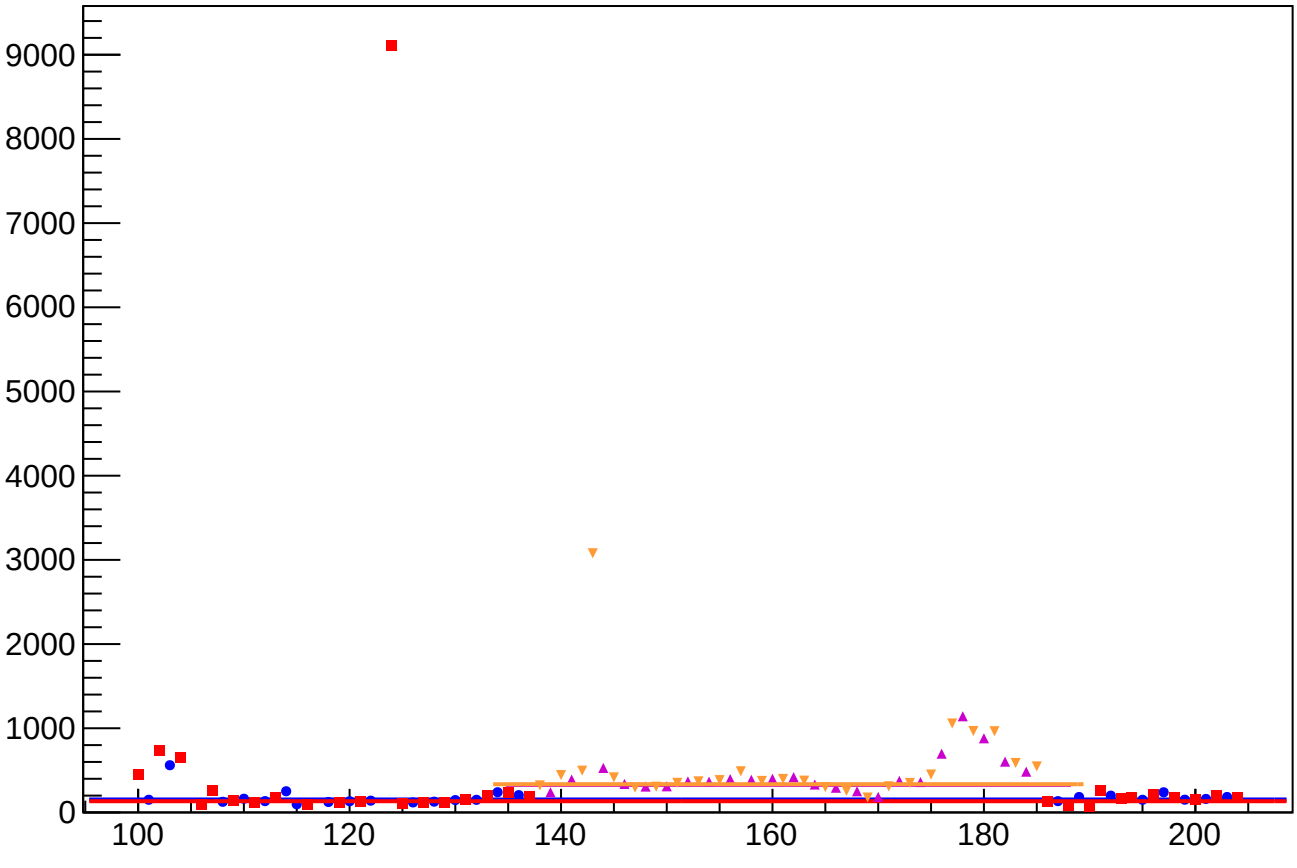
Left: -0.059+/-0.059 χ^2/NDF: 61.1/47

Right: -0.015+/-0.029 χ^2/NDF: 55.2/53

In: -0.038+/-0.040 χ^2/NDF:51.3/46

Out: -0.013+/-0.035 χ^2/NDF:65.2/54

All: -0.024+/-0.026 χ^2/NDF: 116.8/101



Right In: 154.262+/-0.032 χ^2/NDF: 1539051.3/23

Left Out: 335.166+/-0.060 χ^2/NDF:5852083.8/24

Right Out: 133.537+/-0.027 χ^2/NDF: 3964067.3/29

Left In: 327.572+/-0.059 χ^2/NDF:4153081.9/22

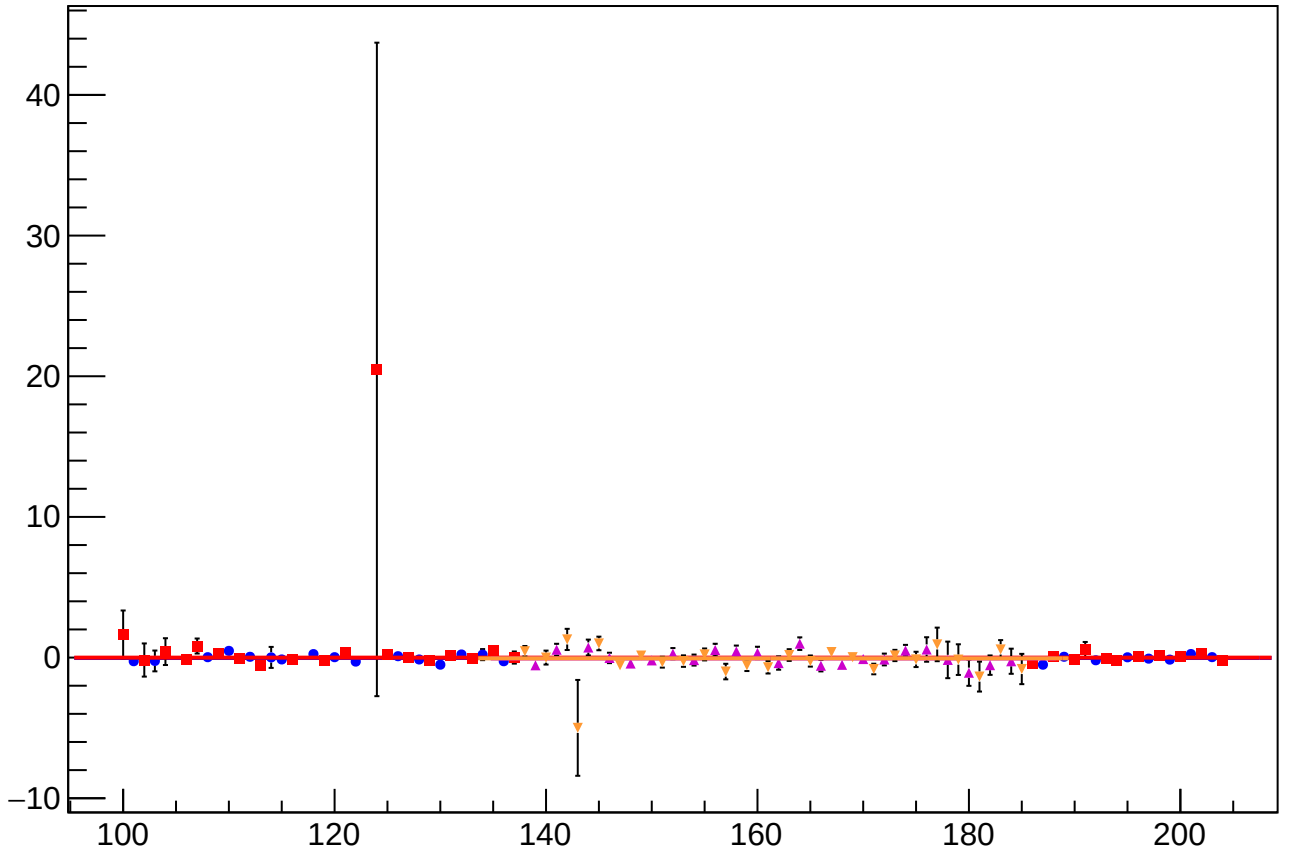
Left: 331.284+/-0.042 χ^2/NDF: 10013400.4/47

Right: 142.248+/-0.021 χ^2/NDF: 5743662.5/53

In: 194.503+/-0.028 χ^2/NDF:12429814.1/46

Out: 168.486+/-0.025 χ^2/NDF:19205286.8/54

All: 179.892+/-0.019 χ^2/NDF: 32113413.1/10



Right In: -0.030+/-0.045 χ^2/NDF: 23.2/23

Left Out: -0.054+/-0.085 χ^2/NDF:33.1/24

Right Out: -0.004+/-0.039 χ^2/NDF: 31.8/29

Left In: -0.063+/-0.083 χ^2/NDF:28.0/22

Left: -0.059+/-0.059 χ^2/NDF: 61.1/47

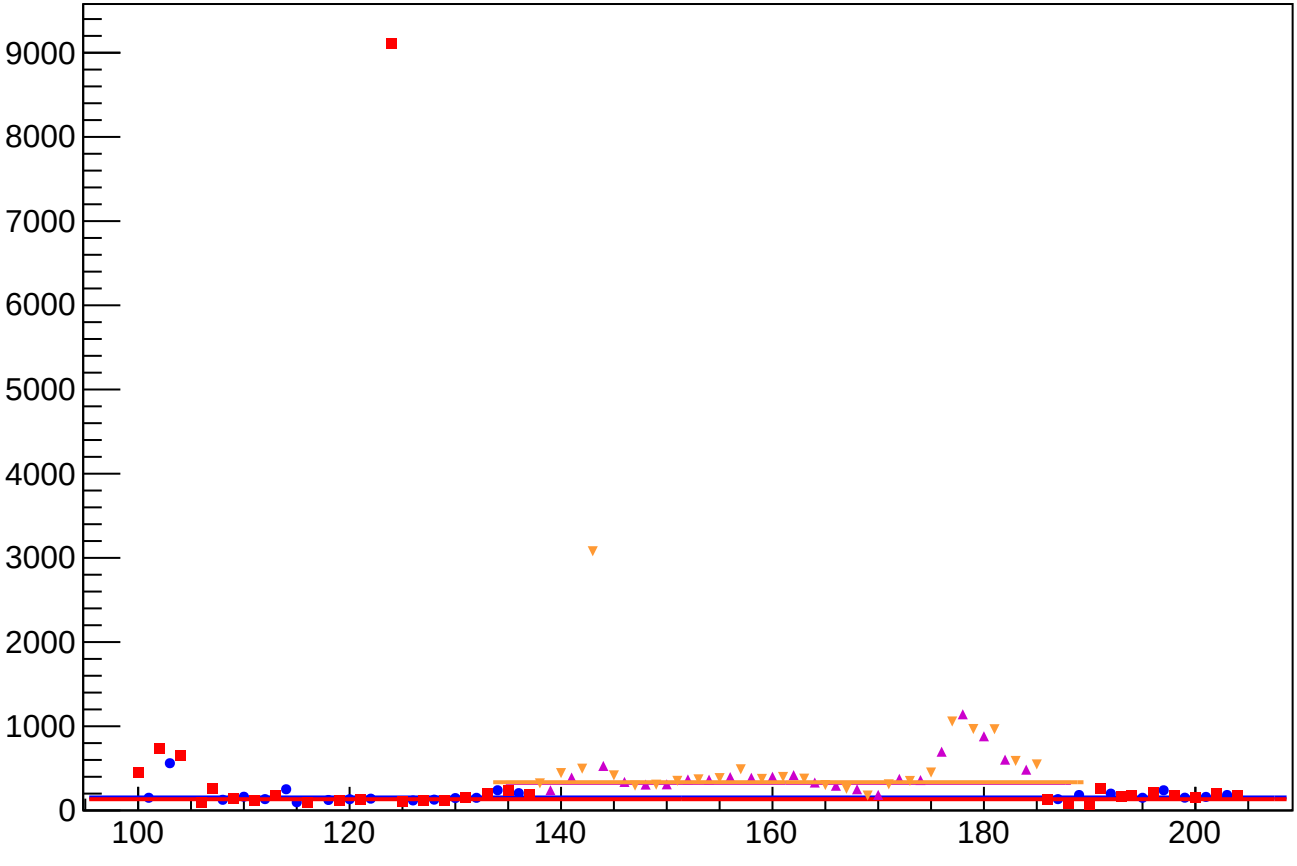
Right: -0.015+/-0.029 χ^2/NDF: 55.2/53

In: -0.038+/-0.040 χ^2/NDF:51.3/46

Out: -0.013+/-0.035 χ^2/NDF:65.2/54

All: -0.024+/-0.026 χ^2/NDF: 116.8/101

asym_atl_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 154.262+/-0.032 χ^2/NDF: 1539051.3/23

Left Out: 335.166+/-0.060 χ^2/NDF:5852083.8/24

Right Out: 133.537+/-0.027 χ^2/NDF: 3964067.3/29

Left In: 327.572+/-0.059 χ^2/NDF:4153081.9/22

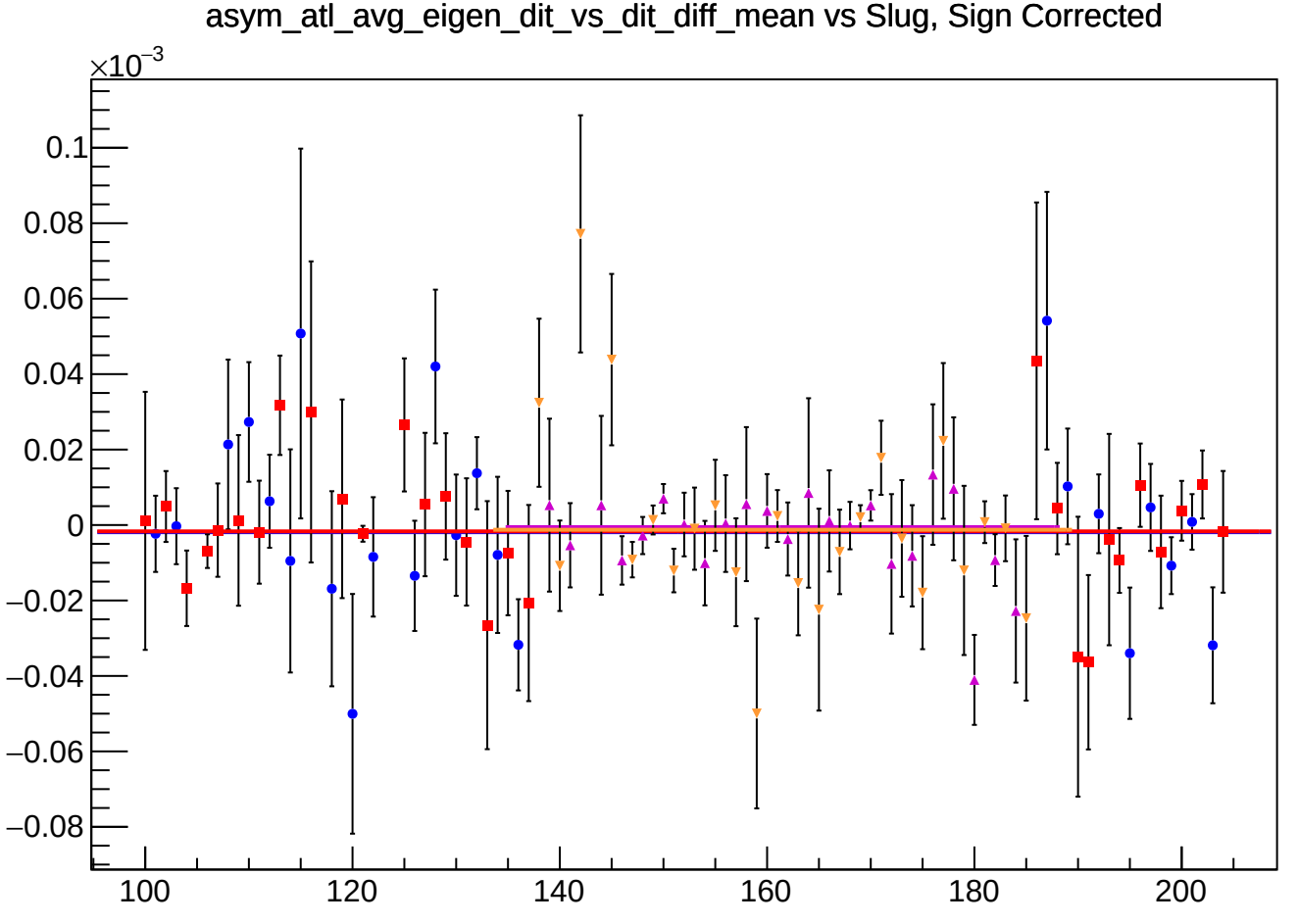
Left: 331.284+/-0.042 χ^2/NDF: 10013400.4/47

Right: 142.248+/-0.021 χ^2/NDF: 5743662.5/53

In: 194.503+/-0.028 χ^2/NDF:12429814.1/46

Out: 168.486+/-0.025 χ^2/NDF:19205286.8/54

All: 179.892+/-0.019 χ^2/NDF: 32113413.1/10



Right In: -0.000+/-0.000 χ^2/NDF: 35.7/23

Left Out: -0.000+/-0.000 χ^2/NDF:35.7/23

Right Out: -0.000+/-0.000 χ^2/NDF: 24.7/28

Left In: -0.000+/-0.000 χ^2/NDF:25.5/22

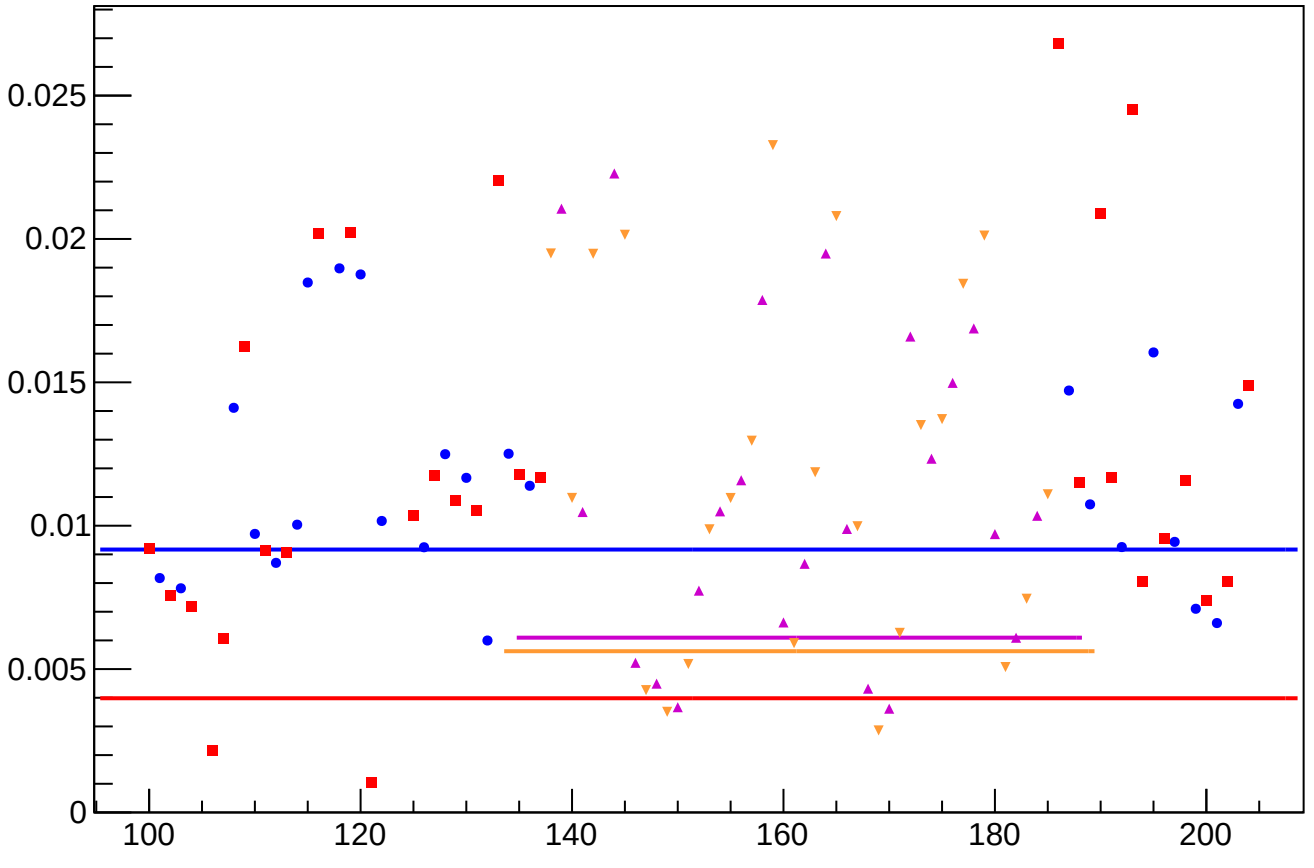
Left: -0.000+/-0.000 χ^2/NDF: 61.3/46

Right: -0.000+/-0.000 χ^2/NDF: 60.4/52

In: -0.000+/-0.000 χ^2/NDF:61.4/46

Out: -0.000+/-0.000 χ^2/NDF:60.5/52

All: -0.000+/-0.000 χ^2/NDF: 121.9/99



Right In: 0.009+/-0.000 χ^2/NDF: 2149326.4/23

Left Out: 0.006+/-0.000 χ^2/NDF:11183743.0/23

Right Out: 0.004+/-0.000 χ^2/NDF: 15755985.3/28

Left In: 0.006+/-0.000 χ^2/NDF:8798992.3/22

Left: 0.006+/-0.000 χ^2/NDF: 20062256.6/46

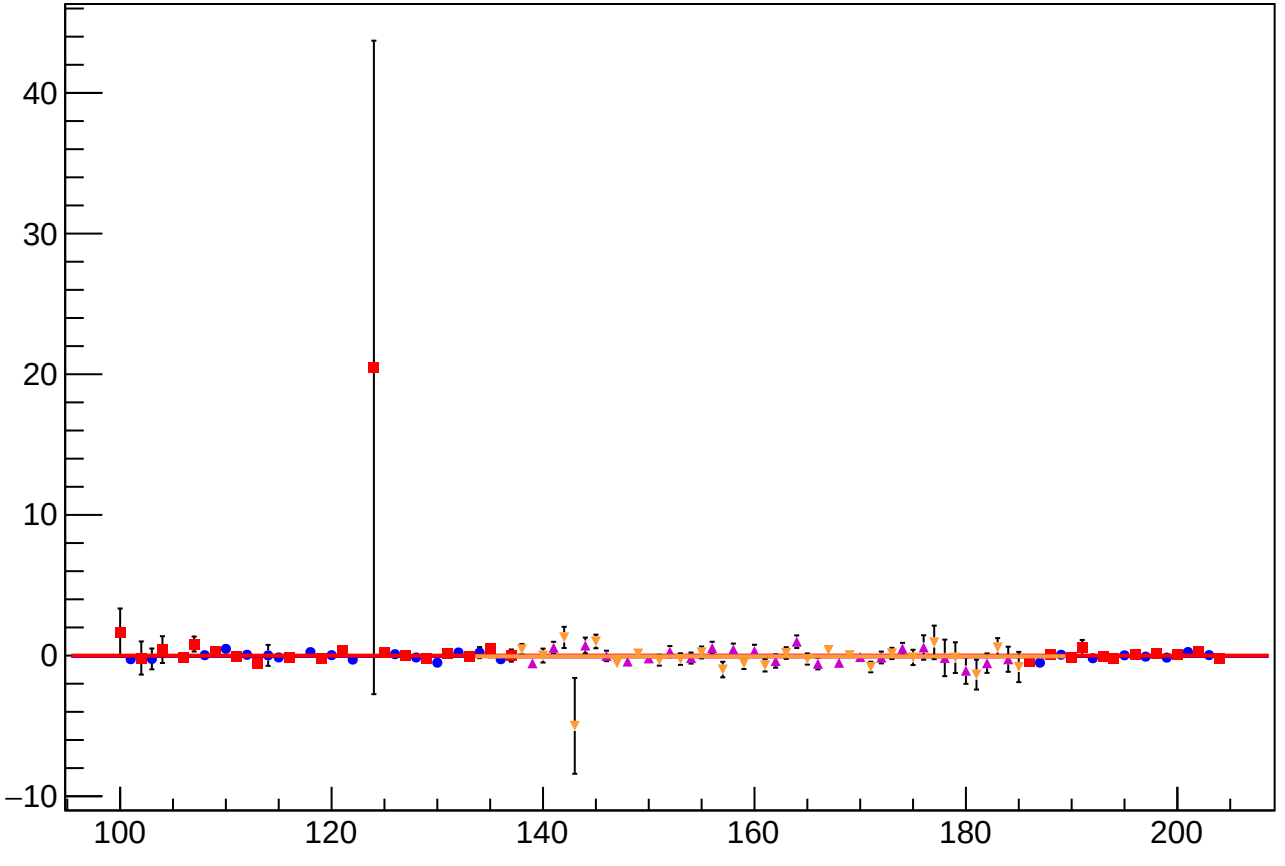
Right: 0.005+/-0.000 χ^2/NDF: 23413323.1/52

In: 0.007+/-0.000 χ^2/NDF:12781790.9/46

Out: 0.005+/-0.000 χ^2/NDF:28002111.1/52

All: 0.006+/-0.000 χ^2/NDF: 43668755.4/99

asym_atl_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.030+/-0.045 χ^2/NDF: 23.2/23

Left Out: -0.054+/-0.085 χ^2/NDF:33.1/24

Right Out: -0.004+/-0.039 χ^2/NDF: 31.8/29

Left In: -0.063+/-0.083 χ^2/NDF:28.0/22

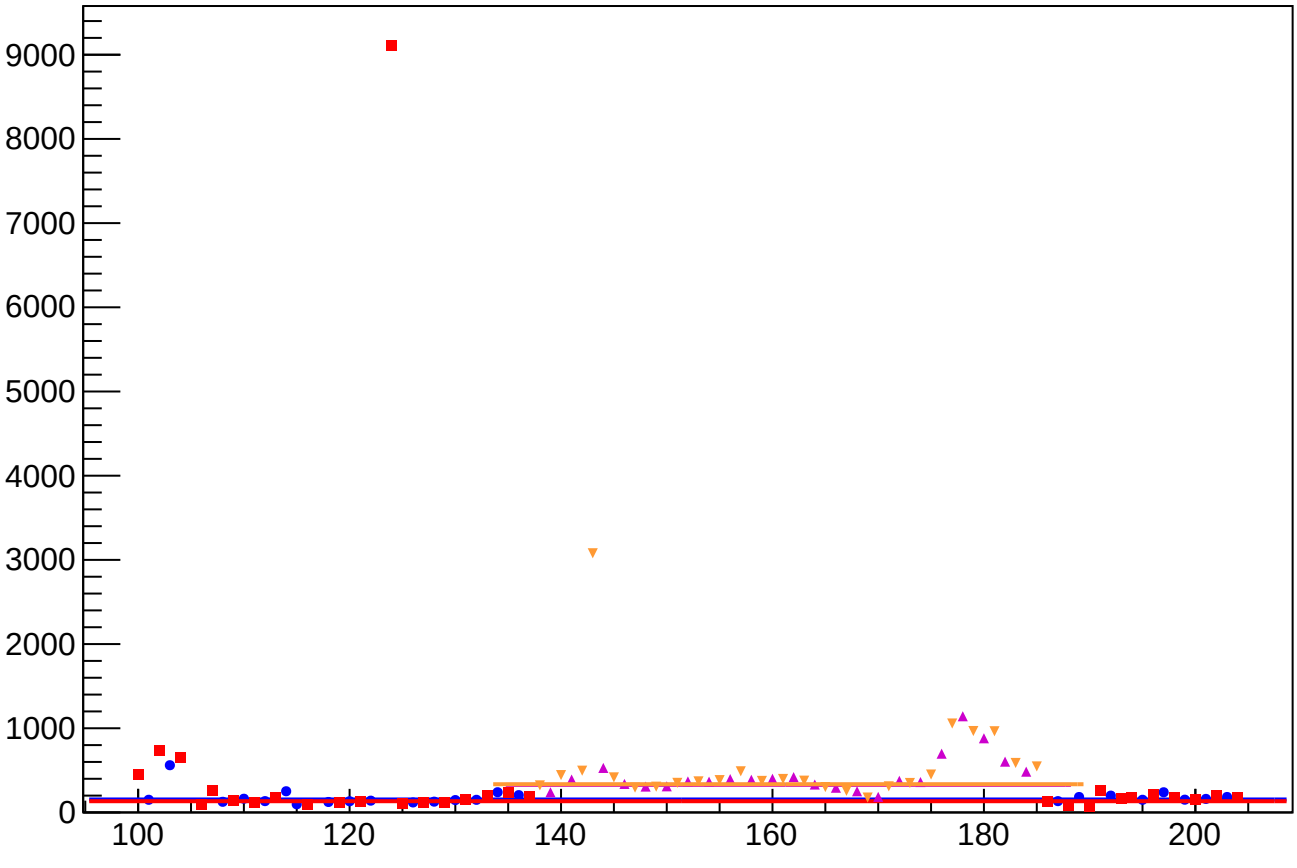
Left: -0.059+/-0.059 χ^2/NDF: 61.1/47

Right: -0.015+/-0.029 χ^2/NDF: 55.2/53

In: -0.038+/-0.040 χ^2/NDF:51.3/46

Out: -0.013+/-0.035 χ^2/NDF:65.2/54

All: -0.024+/-0.026 χ^2/NDF: 116.8/101



Right In: 154.261+/-0.032 χ^2/NDF: 1539097.0/23

Left Out: 335.168+/-0.060 χ^2/NDF:5852151.8/24

Right Out: 133.535+/-0.027 χ^2/NDF: 3964153.6/29

Left In: 327.575+/-0.059 χ^2/NDF:4153087.6/22

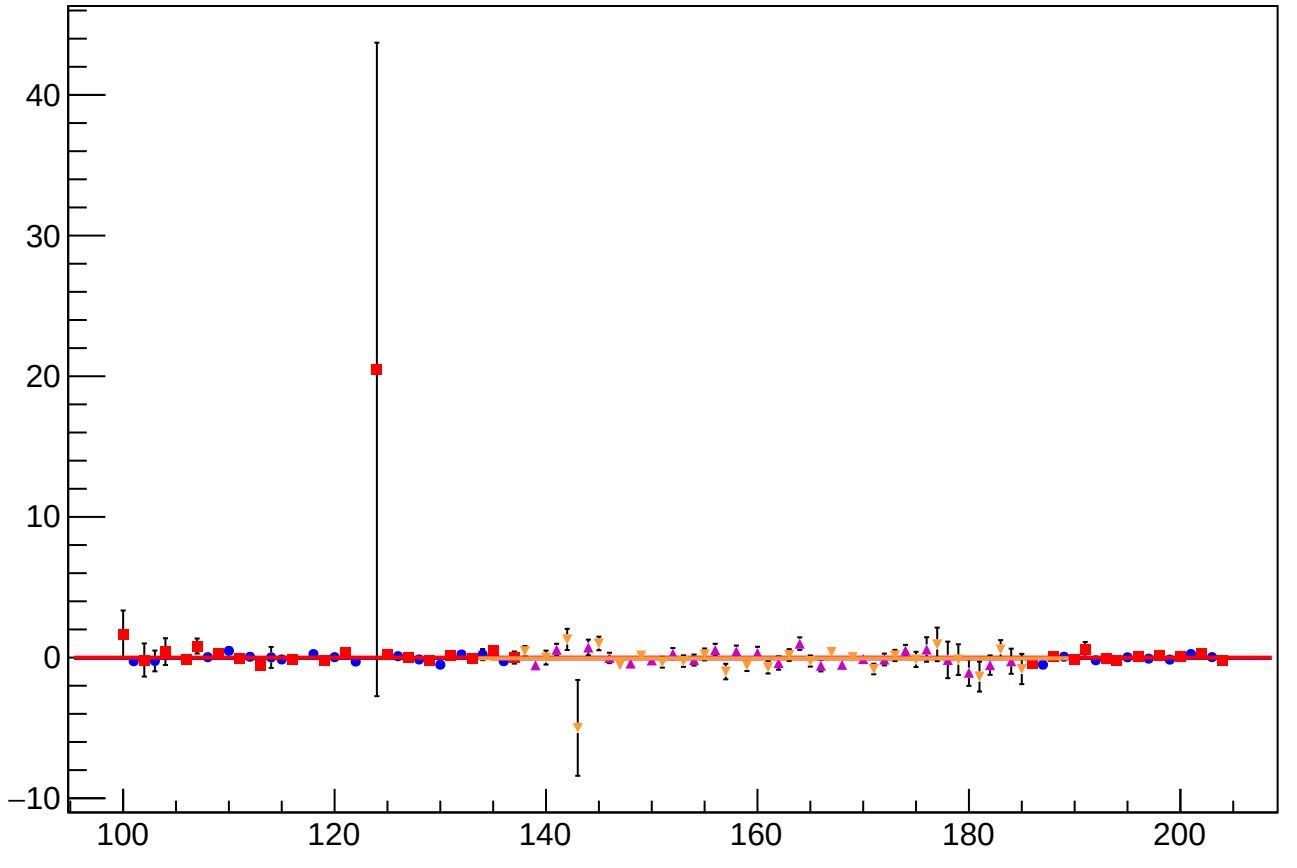
Left: 331.286+/-0.042 χ^2/NDF: 10013472.2/47

Right: 142.246+/-0.021 χ^2/NDF: 5743821.1/53

In: 194.502+/-0.028 χ^2/NDF:12430058.4/46

Out: 168.484+/-0.025 χ^2/NDF:19205712.3/54

All: 179.890+/-0.019 χ^2/NDF: 32114133.9/10



Right In: -0.030+/-0.045 χ^2/NDF: 23.2/23

Left Out: -0.054+/-0.085 χ^2/NDF:33.1/24

Right Out: -0.004+/-0.039 χ^2/NDF: 31.8/29

Left In: -0.063+/-0.083 χ^2/NDF:28.0/22

Left: -0.059+/-0.059 χ^2/NDF: 61.1/47

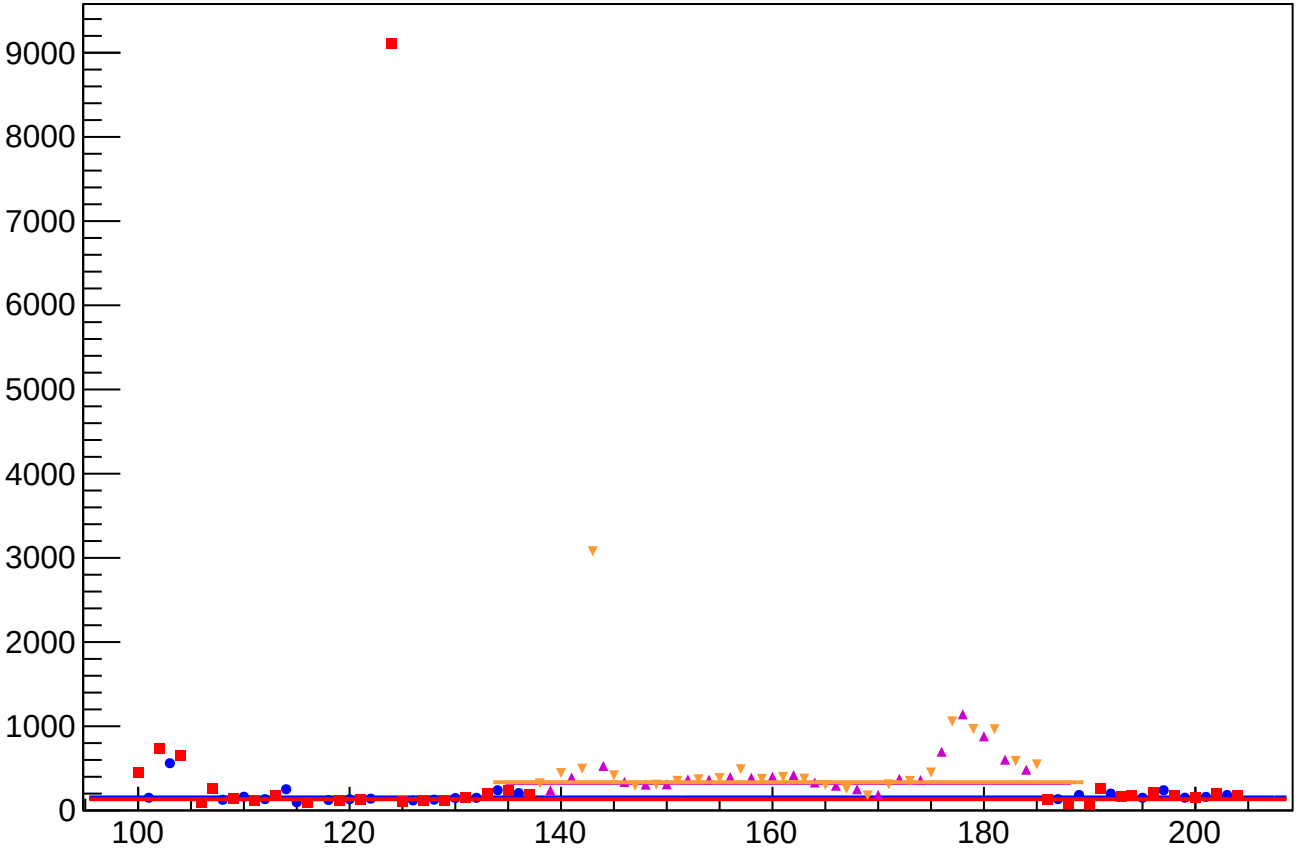
Right: -0.015+/-0.029 χ^2/NDF: 55.2/53

In: -0.038+/-0.040 χ^2/NDF:51.3/46

Out: -0.013+/-0.035 χ^2/NDF:65.2/54

All: -0.024+/-0.026 χ^2/NDF: 116.8/101

asym_atl_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 154.261+/-0.032 χ^2/NDF: 1539097.0/23

Left Out: 335.168+/-0.060 χ^2/NDF:5852151.8/24

Right Out: 133.535+/-0.027 χ^2/NDF: 3964153.6/29

Left In: 327.575+/-0.059 χ^2/NDF:4153087.6/22

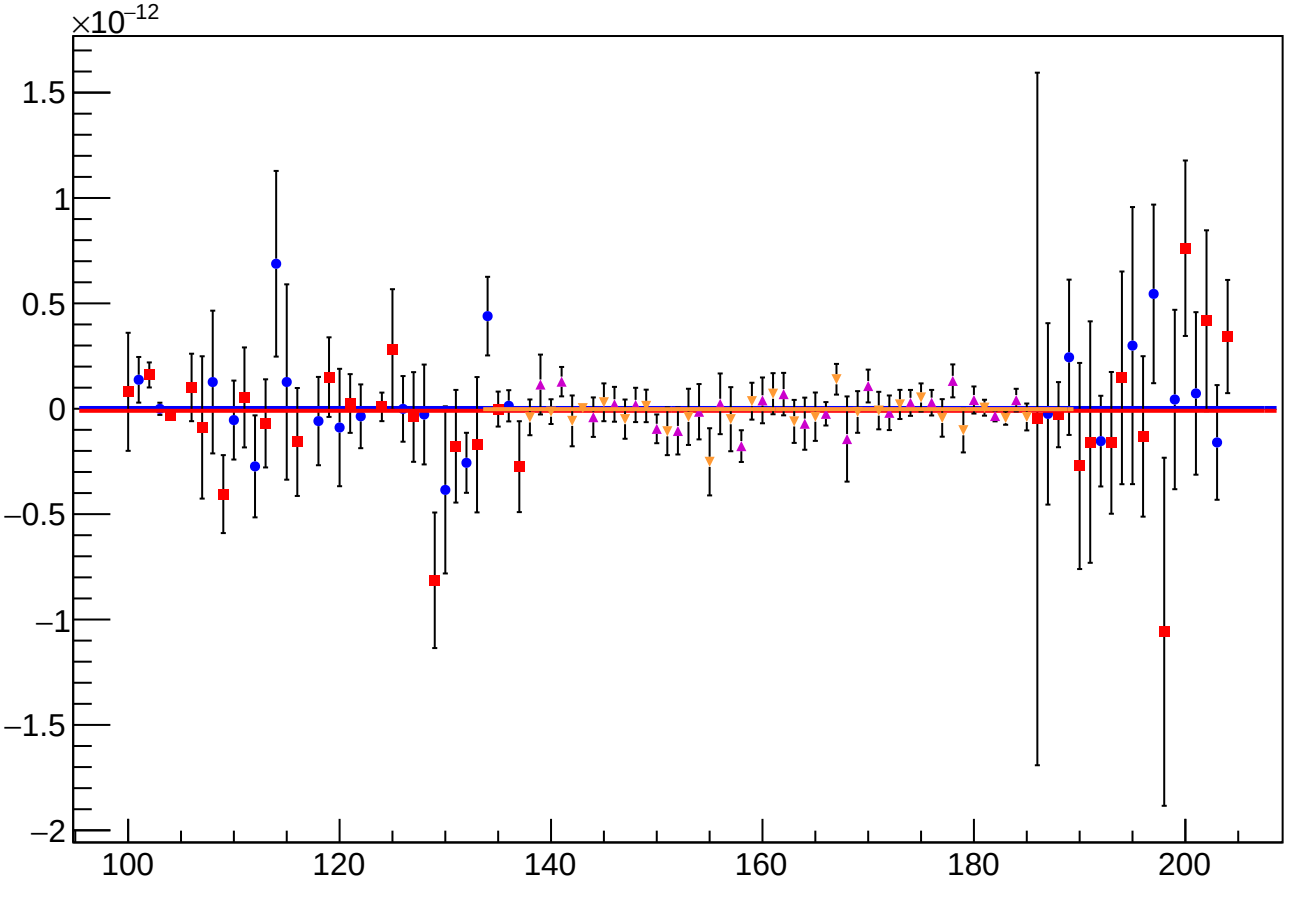
Left: 331.286+/-0.042 χ^2/NDF: 10013472.2/47

Right: 142.246+/-0.021 χ^2/NDF: 5743821.1/53

In: 194.502+/-0.028 χ^2/NDF:12430058.4/46

Out: 168.484+/-0.025 χ^2/NDF:19205712.3/54

All: 179.890+/-0.019 χ^2/NDF: 32114133.9/10



Right In: 0.000+/-0.000 χ^2/NDF: 18.8/23

Left Out: -0.000+/-0.000 χ^2/NDF:13.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 33.7/29

Left In: -0.000+/-0.000 χ^2/NDF:22.5/22

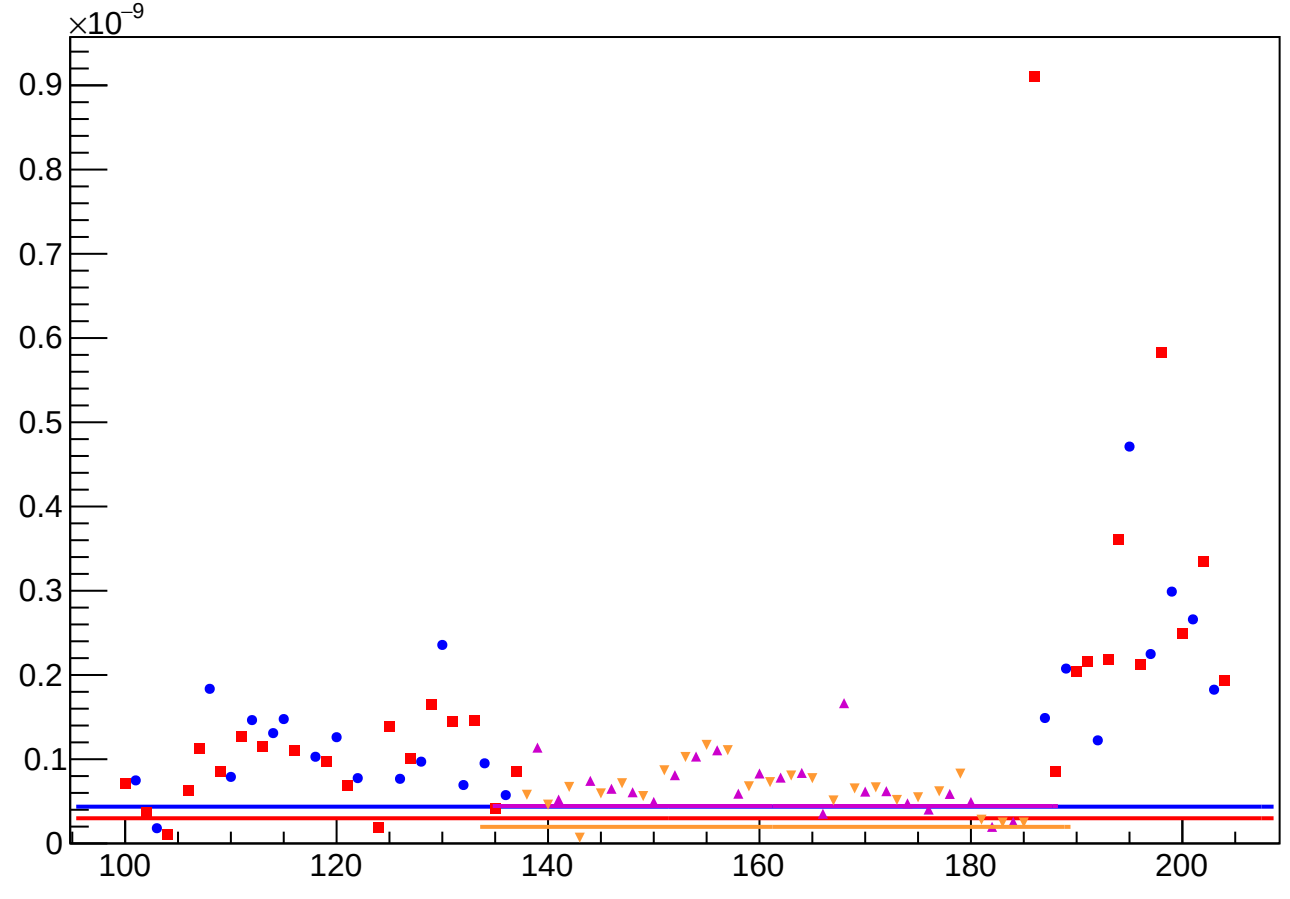
Left: -0.000+/-0.000 χ^2/NDF: 36.1/47

Right: -0.000+/-0.000 χ^2/NDF: 52.7/53

In: -0.000+/-0.000 χ^2/NDF:41.3/46

Out: -0.000+/-0.000 χ^2/NDF:47.4/54

All: -0.000+/-0.000 χ^2/NDF: 88.8/101



Right In: 0.000+/-0.000 χ^2/NDF: 7964514.3/23

Left Out: 0.000+/-0.000 χ^2/NDF:14888228.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 11283810.3/29

Left In: 0.000+/-0.000 χ^2/NDF:5919814.1/22

Left: 0.000+/-0.000 χ^2/NDF: 25361712.4/47

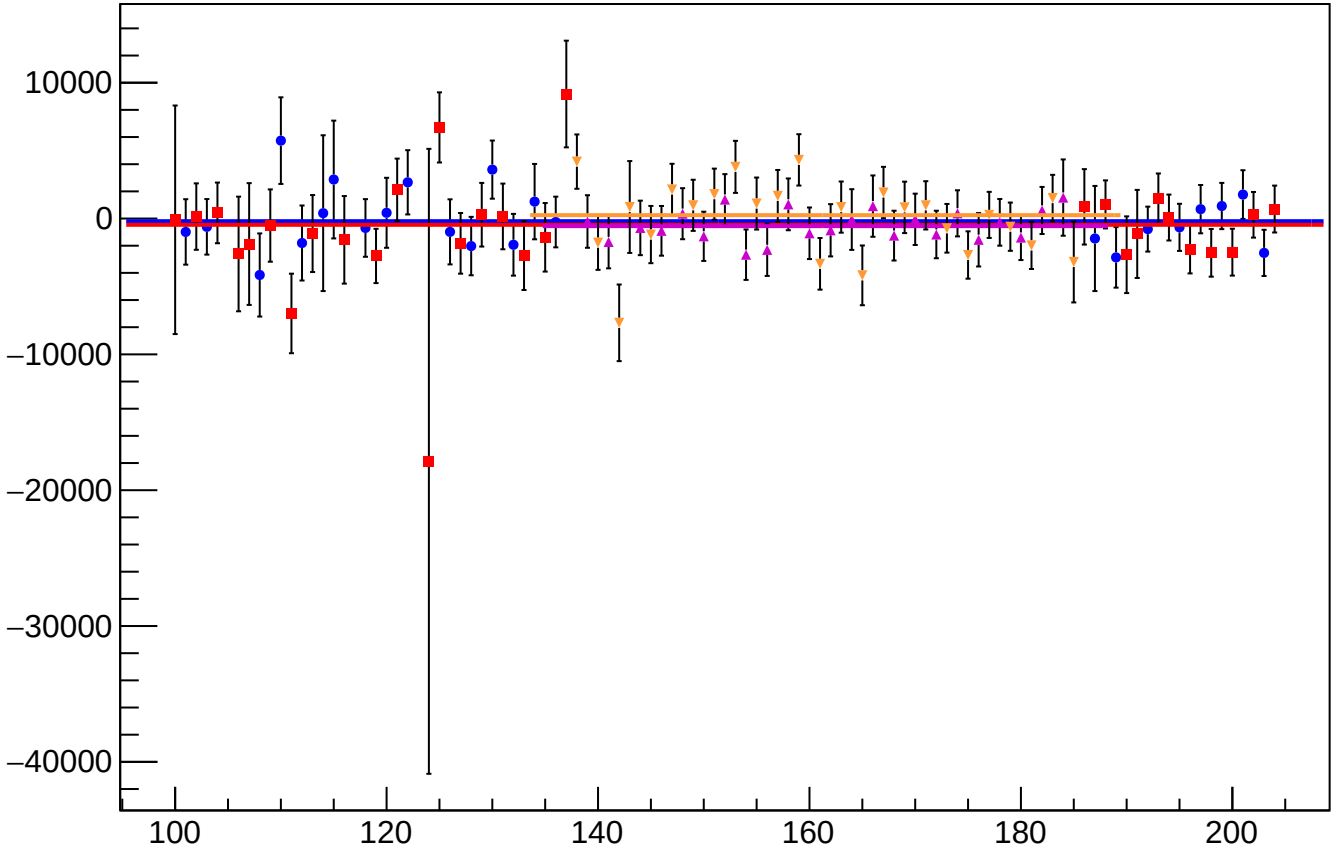
Right: 0.000+/-0.000 χ^2/NDF: 19677003.6/53

In: 0.000+/-0.000 χ^2/NDF:13886017.6/46

Out: 0.000+/-0.000 χ^2/NDF:26690764.0/54

All: 0.000+/-0.000 χ^2/NDF: 45669269.5/101

reg_asym_atl_dd_mean vs Slug, Sign Corrected



Right In: -194.825+/-452.385 χ^2/NDF: 18.0/23

Left Out: 248.233+/-388.827 χ^2/NDF:39.6/24

Right Out: -461.129+/-427.856 χ^2/NDF: 31.2/29

Left In: -559.995+/-395.112 χ^2/NDF:7.5/22

Left: -149.402+/-277.138 χ^2/NDF: 49.2/47

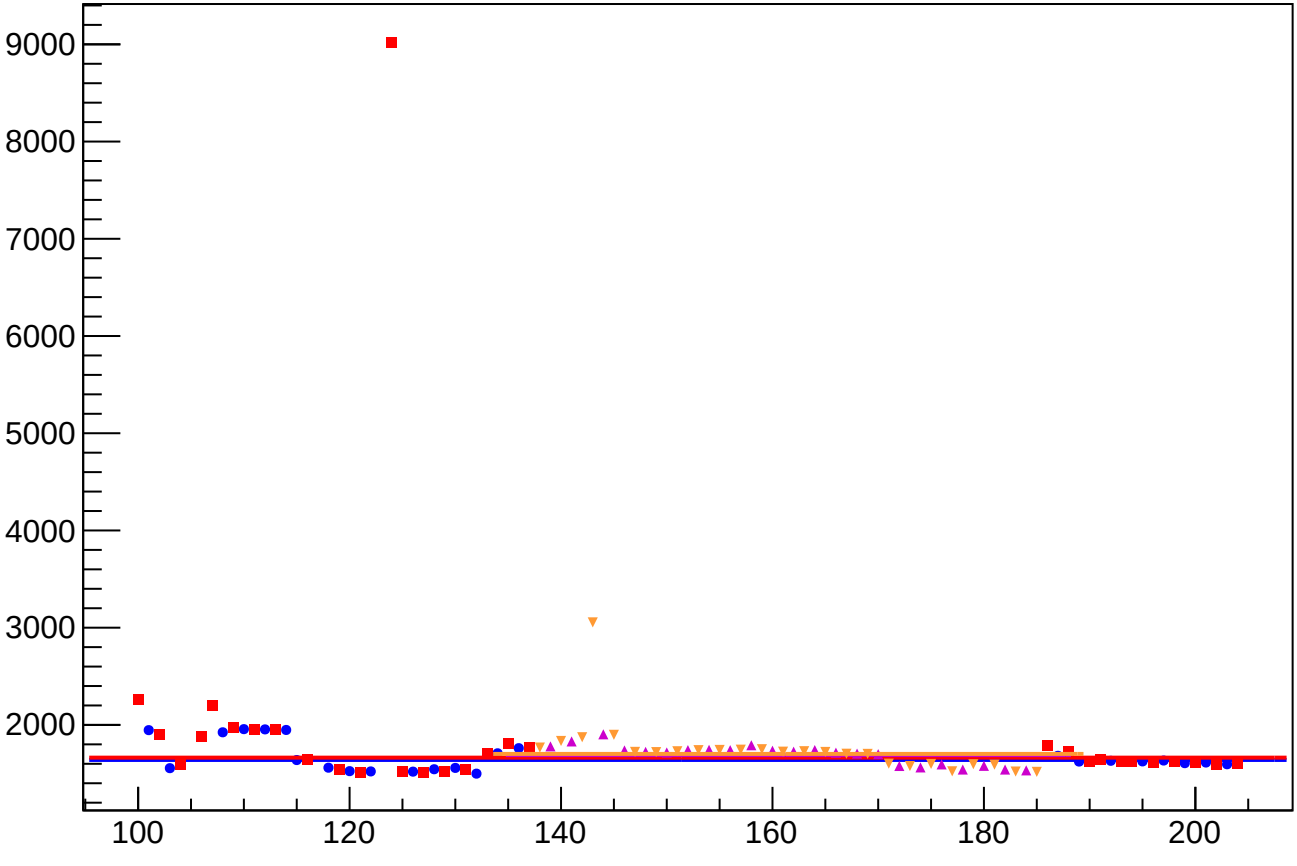
Right: -335.392+/-310.850 χ^2/NDF: 49.4/53

In: -401.975+/-297.588 χ^2/NDF:25.9/46

Out: -72.625+/-287.753 χ^2/NDF:72.3/54

All: -231.768+/-206.862 χ^2/NDF: 98.9/101

reg_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1639.643+/-0.320 χ^2/NDF: 148692.6/23

Left Out: 1701.583+/-0.275 χ^2/NDF:452379.1/24

Right Out: 1663.308+/-0.302 χ^2/NDF: 410479.7/29

Left In: 1689.259+/-0.279 χ^2/NDF:122317.9/22

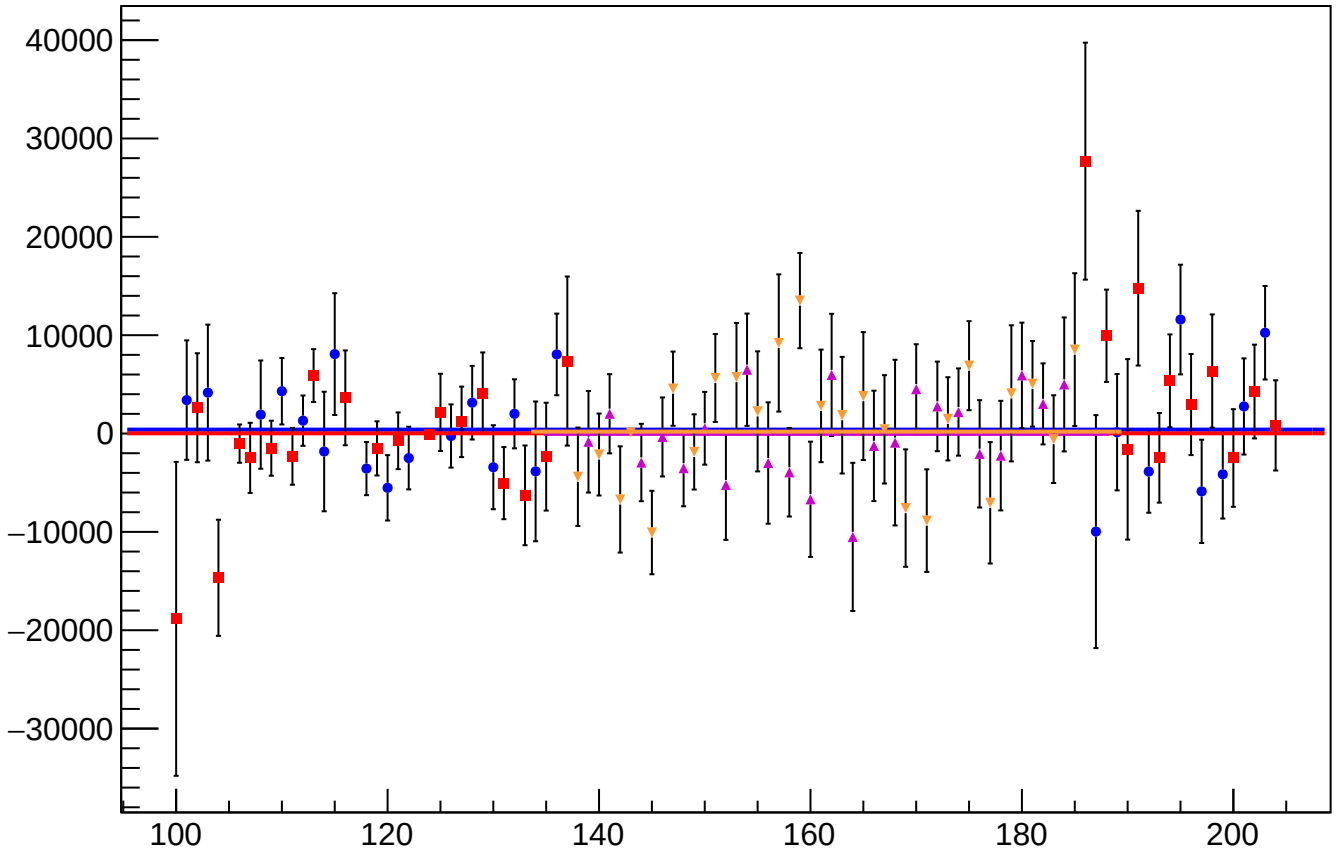
Left: 1695.520+/-0.196 χ^2/NDF: 575685.4/47

Right: 1652.159+/-0.220 χ^2/NDF: 562067.1/53

In: 1667.789+/-0.210 χ^2/NDF:284658.0/46

Out: 1684.230+/-0.203 χ^2/NDF:871644.6/54

All: 1676.293+/-0.146 χ^2/NDF: 1159460.6/10



Right In: 398.177+/-851.478 χ^2/NDF: 28.0/23

Left Out: 193.503+/-343.131 χ^2/NDF:33.9/24

Right Out: 21.765+/-317.557 χ^2/NDF: 38.5/29

Left In: -28.728+/-1025.481 χ^2/NDF:13.3/22

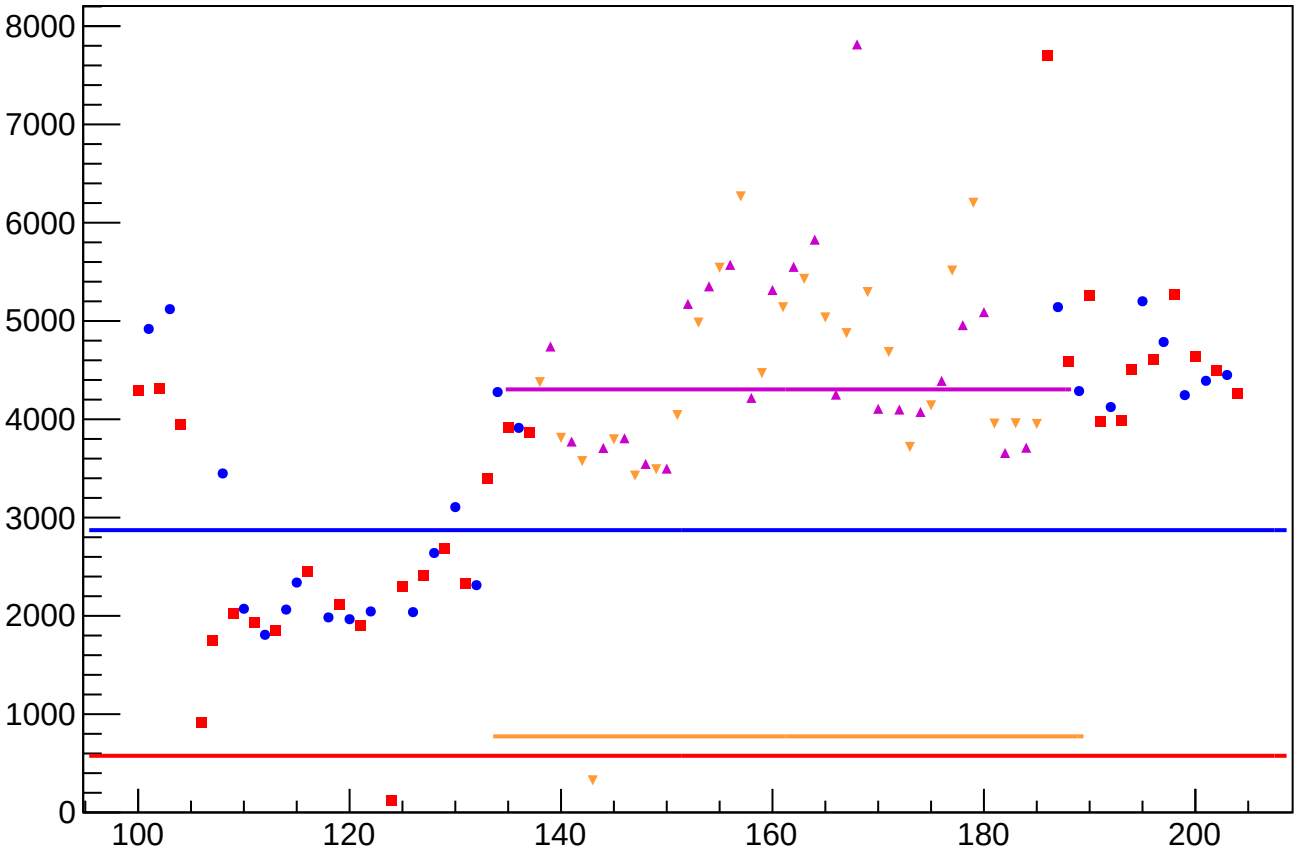
Left: 171.127+/-325.399 χ^2/NDF: 47.2/47

Right: 67.727+/-297.538 χ^2/NDF: 66.8/53

In: 223.963+/-655.093 χ^2/NDF:41.4/46

Out: 100.996+/-233.064 χ^2/NDF:72.6/54

All: 114.812+/-219.581 χ^2/NDF: 114.0/101



Right In: 2872.067+/-0.602 χ^2/NDF: 3453695.9/23

Left Out: 774.232+/-0.243 χ^2/NDF:28085586.8/24

Right Out: 576.453+/-0.225 χ^2/NDF: 23646390.4/29

Left In: 4304.007+/-0.725 χ^2/NDF:1216578.1/22

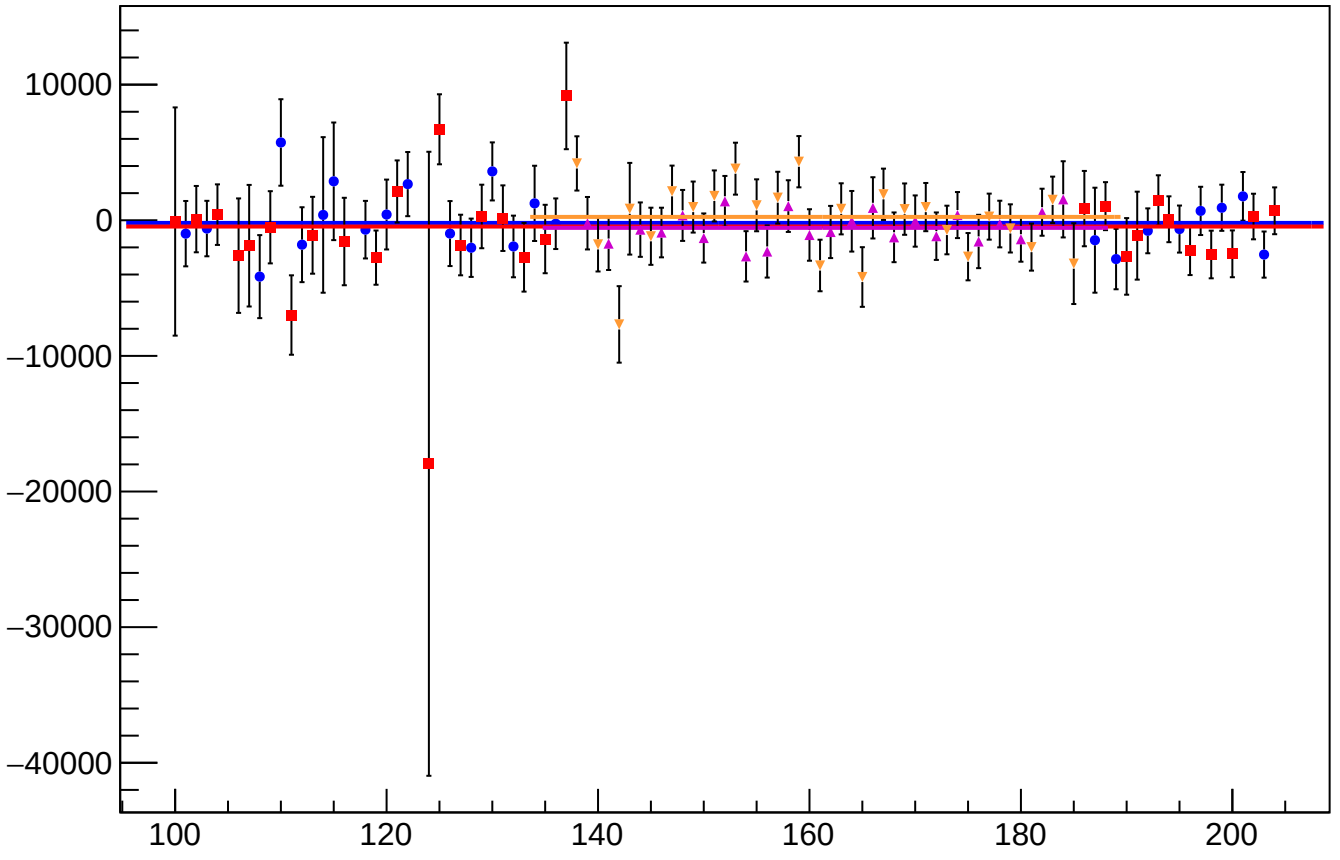
Left: 1129.637+/-0.230 χ^2/NDF: 50611957.4/47

Right: 856.763+/-0.210 χ^2/NDF: 39862195.7/53

In: 3456.421+/-0.463 χ^2/NDF:6978525.0/46

Out: 667.698+/-0.165 χ^2/NDF:52089888.6/54

All: 981.020+/-0.155 χ^2/NDF: 91240152.1/10



Right In: -194.787+/-452.385 χ^2/NDF: 18.0/23

Left Out: 248.216+/-388.827 χ^2/NDF:39.6/24

Right Out: -463.093+/-427.858 χ^2/NDF: 31.2/29

Left In: -559.960+/-395.112 χ^2/NDF:7.5/22

Left: -149.393+/-277.138 χ^2/NDF: 49.2/47

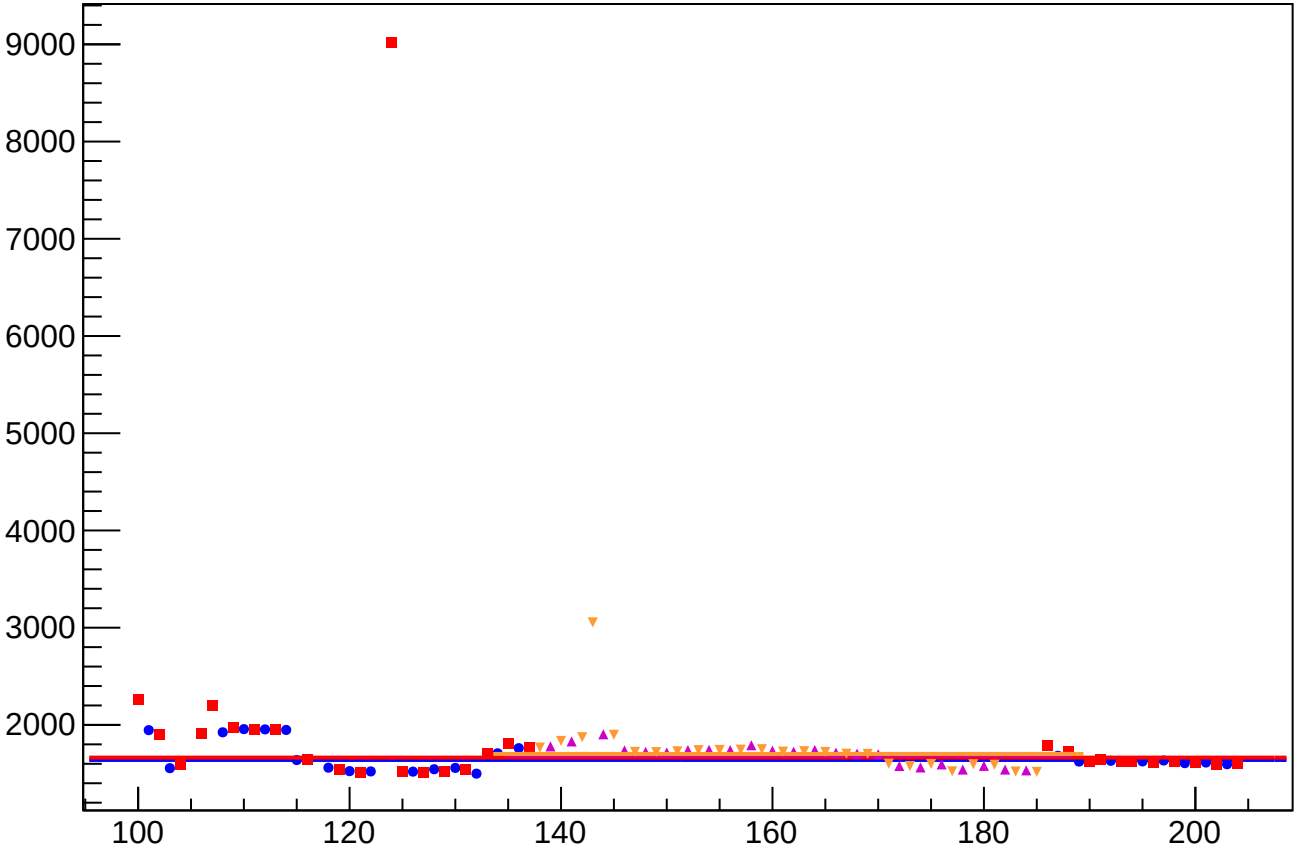
Right: -336.410+/-310.851 χ^2/NDF: 49.4/53

In: -401.939+/-297.588 χ^2/NDF:25.9/46

Out: -73.521+/-287.754 χ^2/NDF:72.3/54

All: -232.214+/-206.862 χ^2/NDF: 98.9/101

cor_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1639.643+/-0.320 χ^2/NDF: 148692.7/23

Left Out: 1701.583+/-0.275 χ^2/NDF:452379.0/24

Right Out: 1663.657+/-0.302 χ^2/NDF: 412492.5/29

Left In: 1689.259+/-0.279 χ^2/NDF:122317.9/22

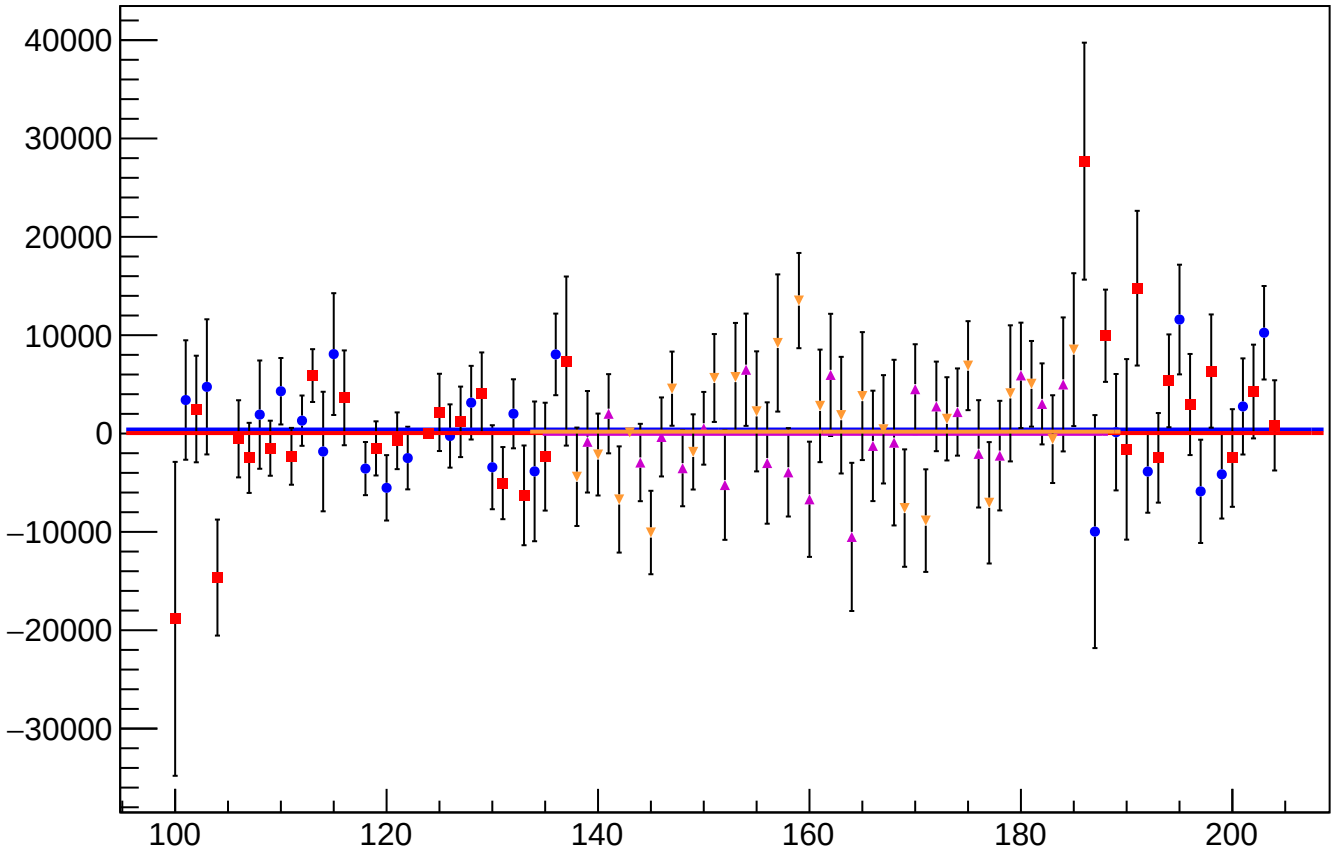
Left: 1695.520+/-0.196 χ^2/NDF: 575685.4/47

Right: 1652.341+/-0.220 χ^2/NDF: 564165.3/53

In: 1667.789+/-0.210 χ^2/NDF:284658.0/46

Out: 1684.393+/-0.203 χ^2/NDF:873495.7/54

All: 1676.377+/-0.146 χ^2/NDF: 1161374.2/10



Right In: 408.077+/-851.396 χ^2/NDF: 28.1/23

Left Out: 193.916+/-343.107 χ^2/NDF:33.9/24

Right Out: 47.013+/-310.035 χ^2/NDF: 38.2/29

Left In: -28.766+/-1025.480 χ^2/NDF:13.3/22

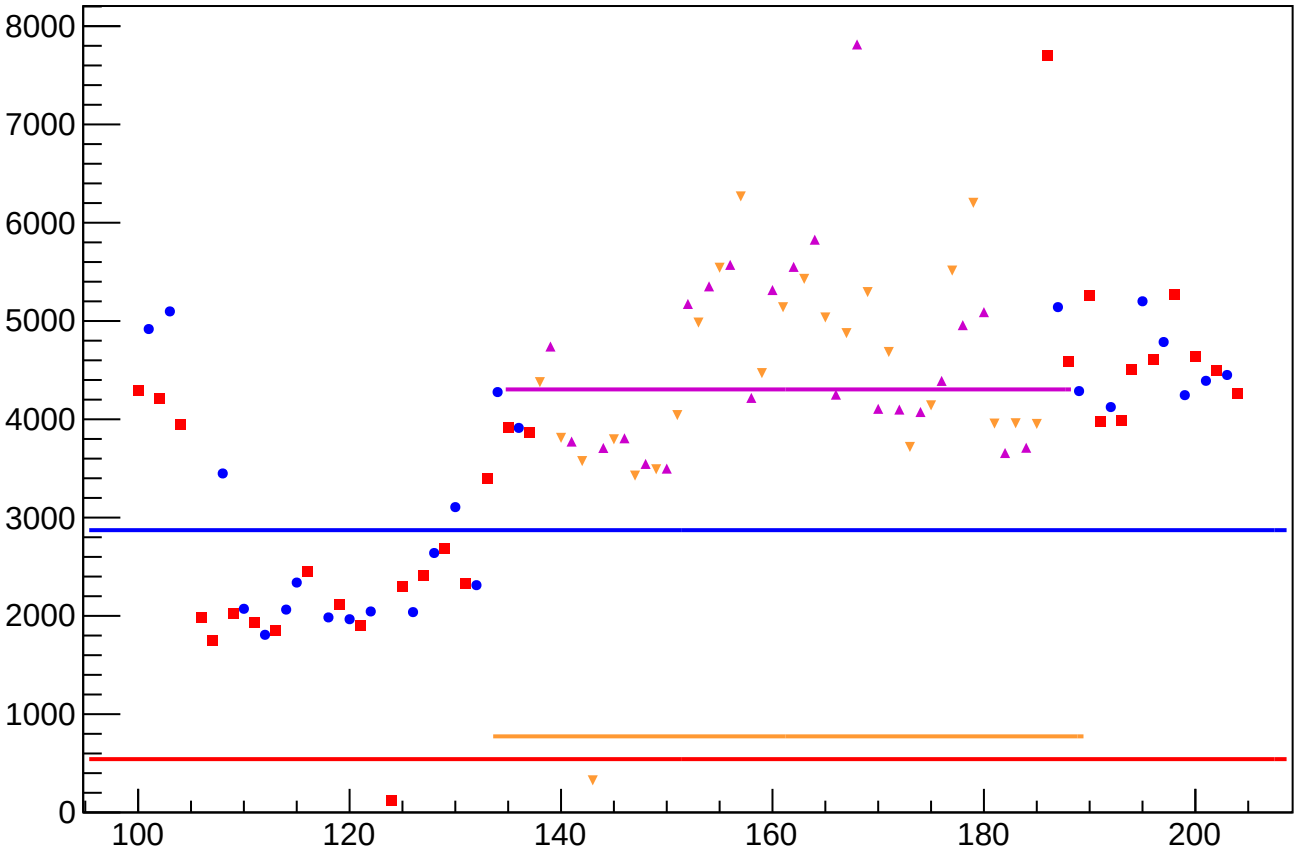
Left: 171.497+/-325.378 χ^2/NDF: 47.2/47

Right: 89.286+/-291.321 χ^2/NDF: 66.5/53

In: 229.828+/-655.055 χ^2/NDF:41.5/46

Out: 113.045+/-230.034 χ^2/NDF:72.2/54

All: 125.865+/-217.040 χ^2/NDF: 113.8/101



Right In: 2872.112+/-0.602 χ^2/NDF: 3451788.8/23

Left Out: 774.143+/-0.243 χ^2/NDF:28086455.1/24

Right Out: 542.508+/-0.219 χ^2/NDF: 24178594.3/29

Left In: 4304.001+/-0.725 χ^2/NDF:1216572.3/22

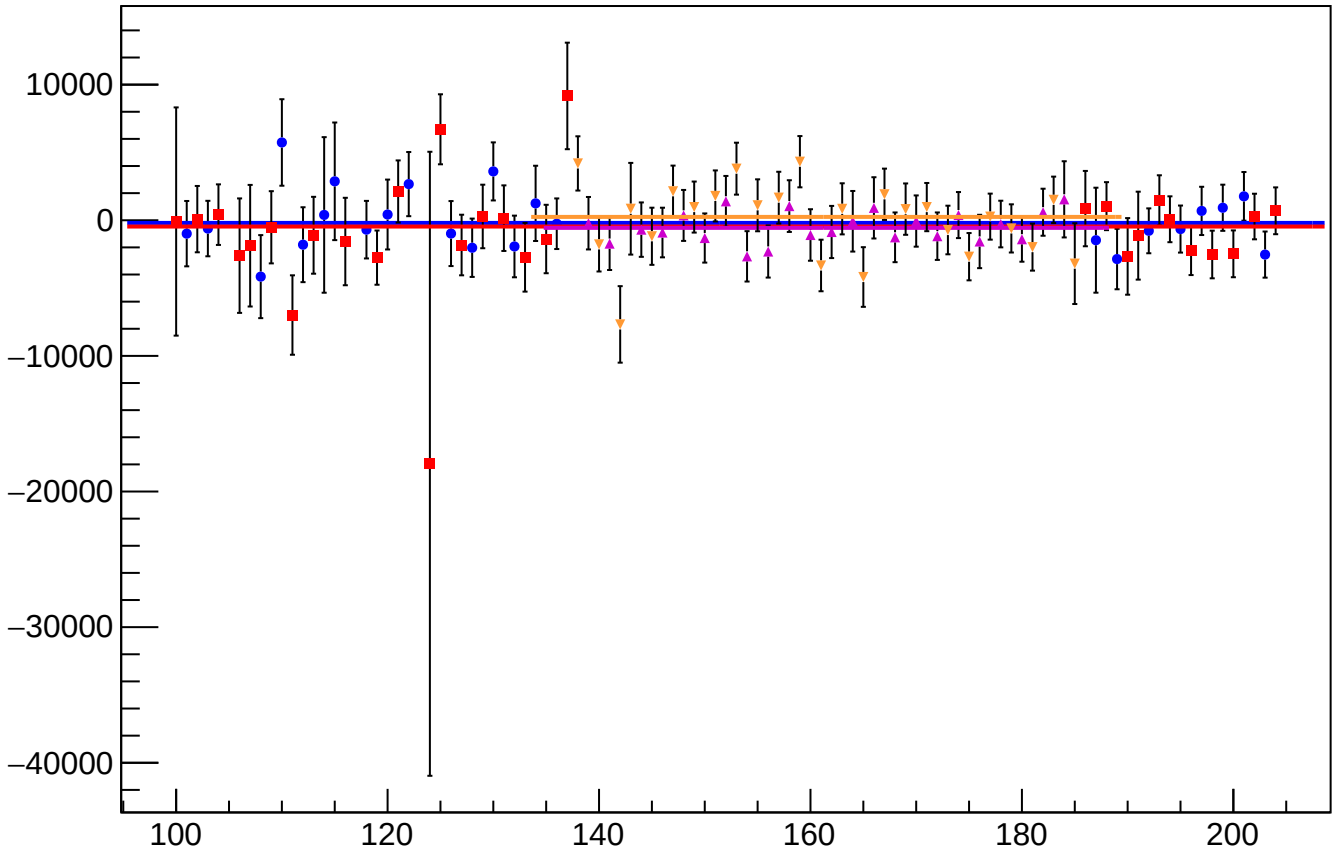
Left: 1129.512+/-0.230 χ^2/NDF: 50614177.8/47

Right: 815.257+/-0.206 χ^2/NDF: 40851036.0/53

In: 3456.379+/-0.463 χ^2/NDF:6976635.8/46

Out: 646.627+/-0.163 χ^2/NDF:52766860.4/54

All: 955.083+/-0.153 χ^2/NDF: 92500729.5/10



Right In: -194.787+/-452.385 χ^2/NDF: 18.0/23

Left Out: 248.216+/-388.827 χ^2/NDF:39.6/24

Right Out: -463.093+/-427.858 χ^2/NDF: 31.2/29

Left In: -559.960+/-395.112 χ^2/NDF:7.5/22

Left: -149.393+/-277.138 χ^2/NDF: 49.2/47

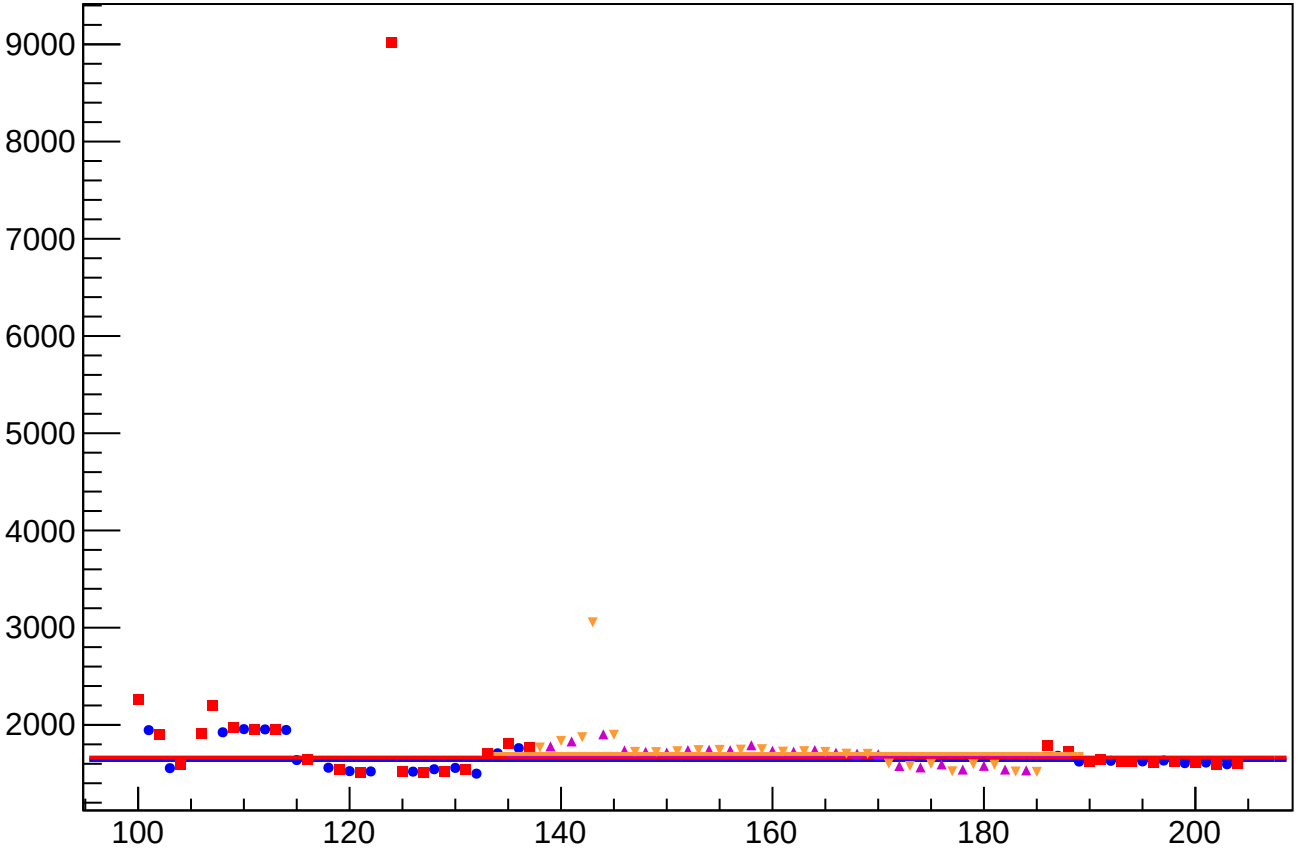
Right: -336.410+/-310.851 χ^2/NDF: 49.4/53

In: -401.939+/-297.588 χ^2/NDF:25.9/46

Out: -73.521+/-287.754 χ^2/NDF:72.3/54

All: -232.214+/-206.862 χ^2/NDF: 98.9/101

eigen_cor_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1639.643+/-0.320 χ^2/NDF: 148692.7/23

Left Out: 1701.583+/-0.275 χ^2/NDF:452379.0/24

Right Out: 1663.657+/-0.302 χ^2/NDF: 412492.5/29

Left In: 1689.259+/-0.279 χ^2/NDF:122317.9/22

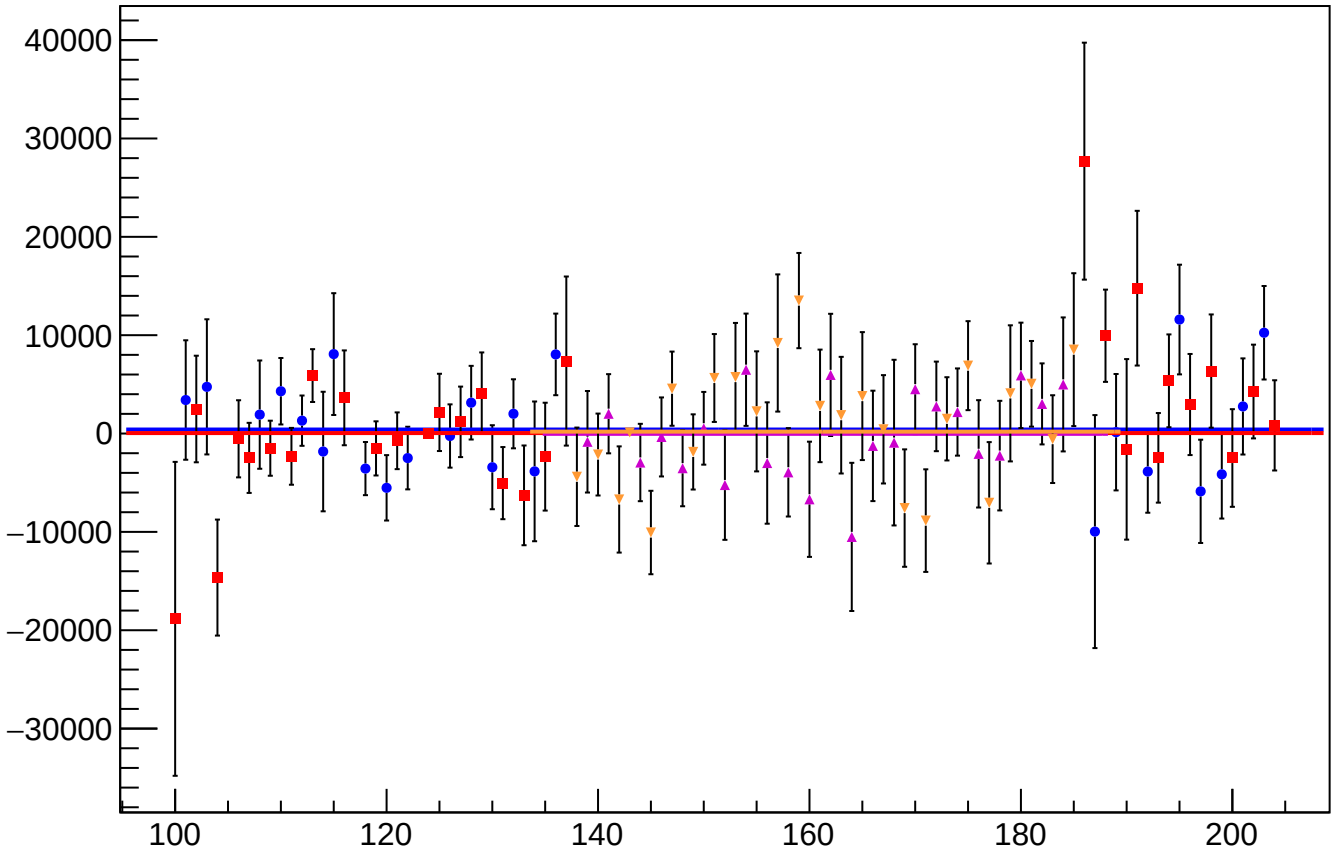
Left: 1695.520+/-0.196 χ^2/NDF: 575685.4/47

Right: 1652.341+/-0.220 χ^2/NDF: 564165.3/53

In: 1667.789+/-0.210 χ^2/NDF:284658.0/46

Out: 1684.393+/-0.203 χ^2/NDF:873495.7/54

All: 1676.377+/-0.146 χ^2/NDF: 1161374.2/10



Right In: 408.077+/-851.396 χ^2/NDF: 28.1/23

Left Out: 193.916+/-343.107 χ^2/NDF:33.9/24

Right Out: 47.013+/-310.035 χ^2/NDF: 38.2/29

Left In: -28.766+/-1025.480 χ^2/NDF:13.3/22

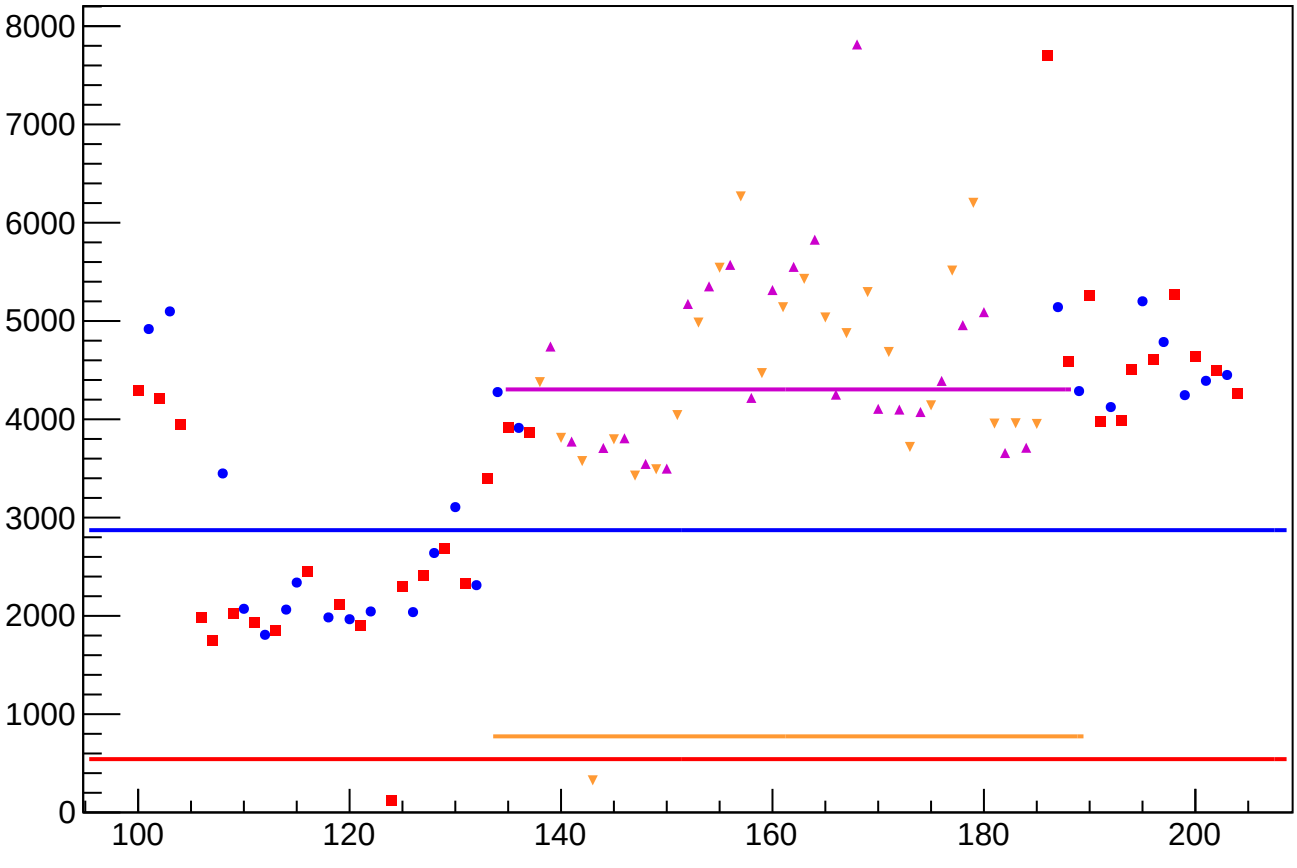
Left: 171.497+/-325.378 χ^2/NDF: 47.2/47

Right: 89.286+/-291.321 χ^2/NDF: 66.5/53

In: 229.828+/-655.055 χ^2/NDF:41.5/46

Out: 113.045+/-230.034 χ^2/NDF:72.2/54

All: 125.865+/-217.040 χ^2/NDF: 113.8/101



Right In: 2872.112+/-0.602 χ^2/NDF: 3451788.8/23

Left Out: 774.143+/-0.243 χ^2/NDF:28086455.1/24

Right Out: 542.508+/-0.219 χ^2/NDF: 24178594.3/29

Left In: 4304.001+/-0.725 χ^2/NDF:1216572.3/22

Left: 1129.512+/-0.230 χ^2/NDF: 50614177.8/47

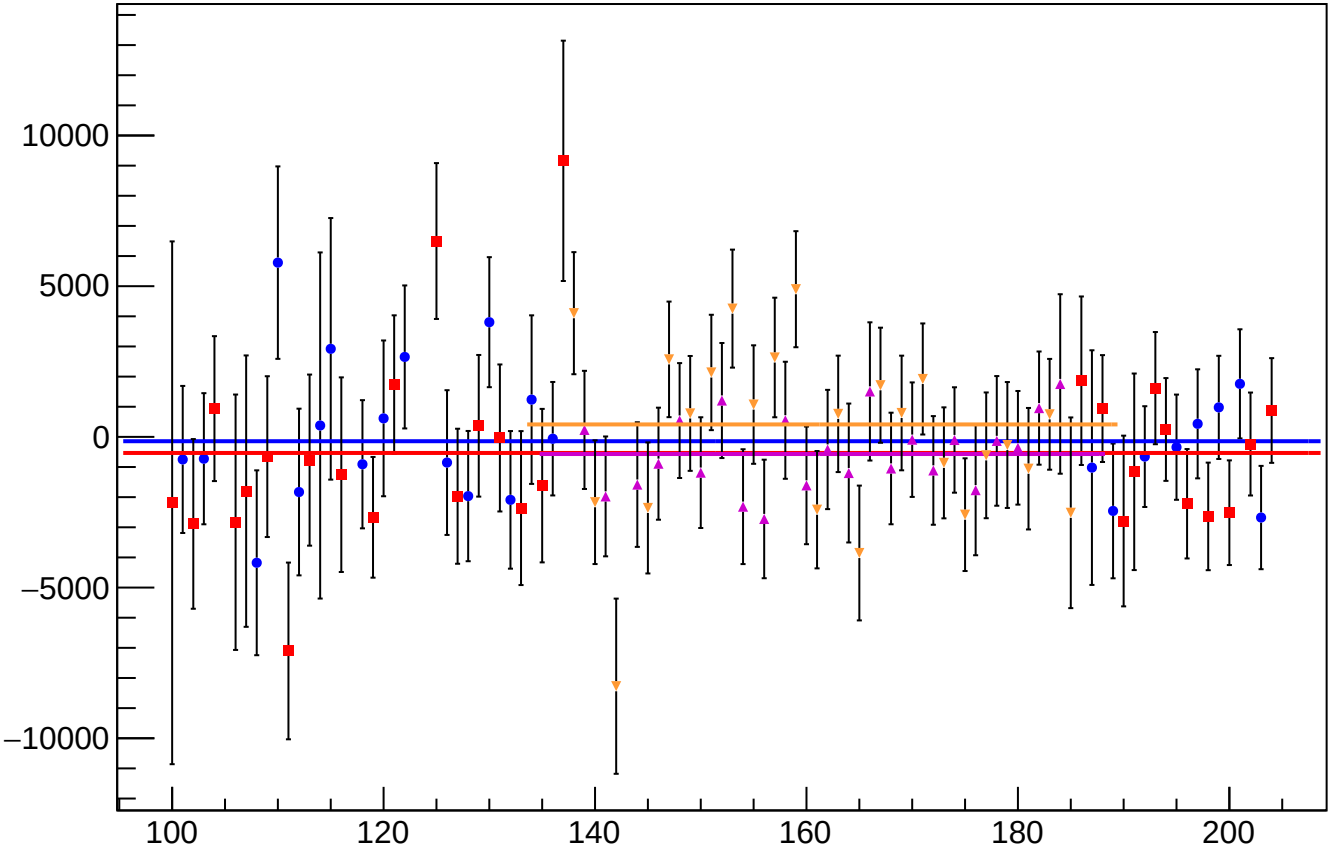
Right: 815.257+/-0.206 χ^2/NDF: 40851036.0/53

In: 3456.379+/-0.463 χ^2/NDF:6976635.8/46

Out: 646.627+/-0.163 χ^2/NDF:52766860.4/54

All: 955.083+/-0.153 χ^2/NDF: 92500729.5/10

dit_asym_atl_dd_mean vs Slug, Sign Corrected



Right In: -143.856+/-456.676 χ^2/NDF: 18.0/23

Left Out: 413.309+/-410.536 χ^2/NDF:40.0/23

Right Out: -533.519+/-433.476 χ^2/NDF: 31.2/28

Left In: -568.823+/-412.052 χ^2/NDF:7.7/22

Left: -75.946+/-290.827 χ^2/NDF: 50.6/46

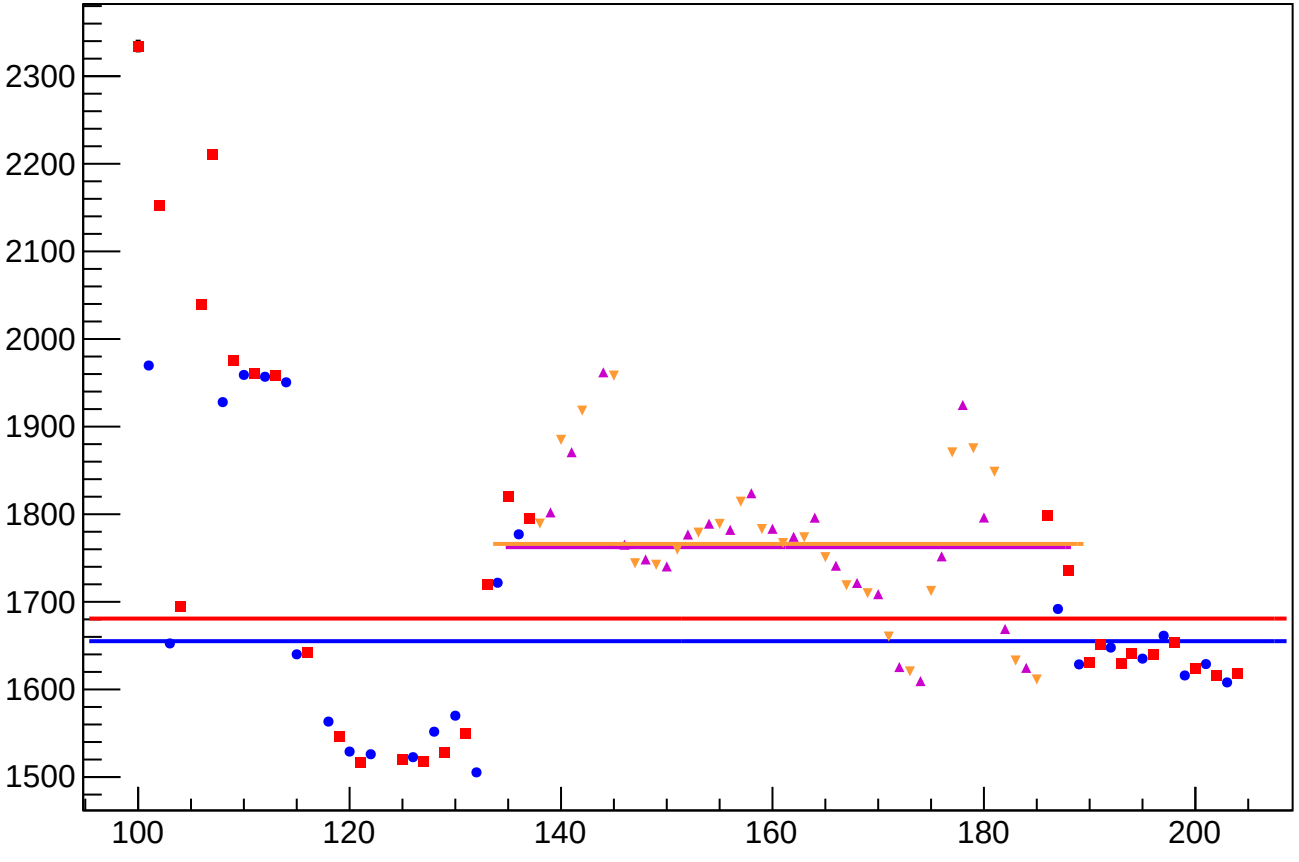
Right: -348.836+/-314.396 χ^2/NDF: 49.5/52

In: -378.111+/-305.928 χ^2/NDF:26.2/46

Out: -34.389+/-298.073 χ^2/NDF:73.7/52

All: -201.781+/-213.492 χ^2/NDF: 100.5/99

dit_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1655.102+/-0.323 χ^2/NDF: 146397.3/23

Left Out: 1766.115+/-0.290 χ^2/NDF:83252.4/23

Right Out: 1680.906+/-0.306 χ^2/NDF: 252290.9/28

Left In: 1762.405+/-0.291 χ^2/NDF:80090.6/22

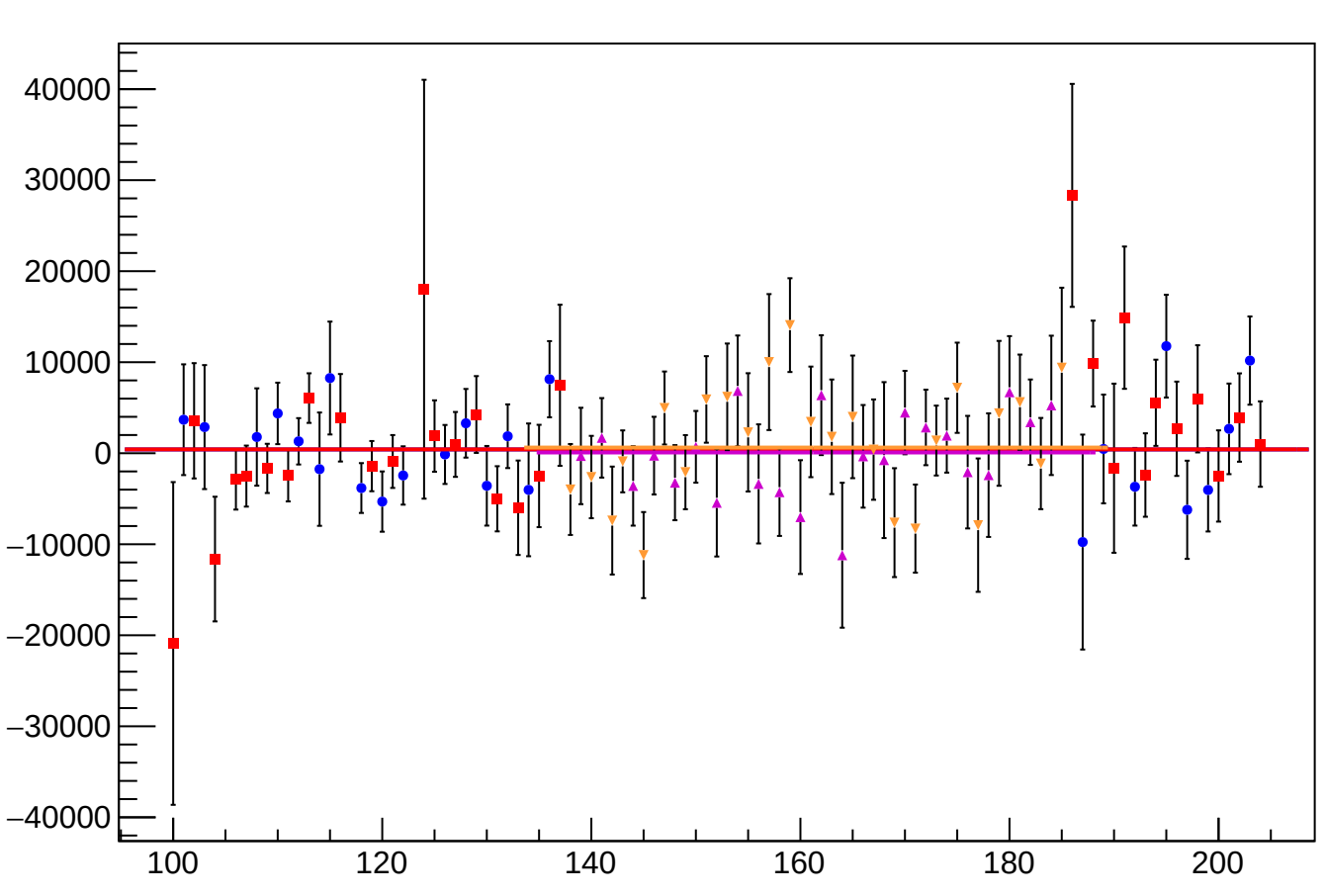
Left: 1764.267+/-0.206 χ^2/NDF: 163424.4/46

Right: 1668.689+/-0.222 χ^2/NDF: 402050.3/52

In: 1714.251+/-0.216 χ^2/NDF:287353.6/46

Out: 1725.780+/-0.211 χ^2/NDF:376328.0/52

All: 1720.168+/-0.151 χ^2/NDF: 665139.4/99



Right In: 413.380+/-857.033 χ^2/NDF: 27.7/23

Left Out: 619.658+/-1034.658 χ^2/NDF:33.1/24

Right Out: 422.417+/-779.623 χ^2/NDF: 36.1/29

Left In: 85.511+/-1082.508 χ^2/NDF:12.9/22

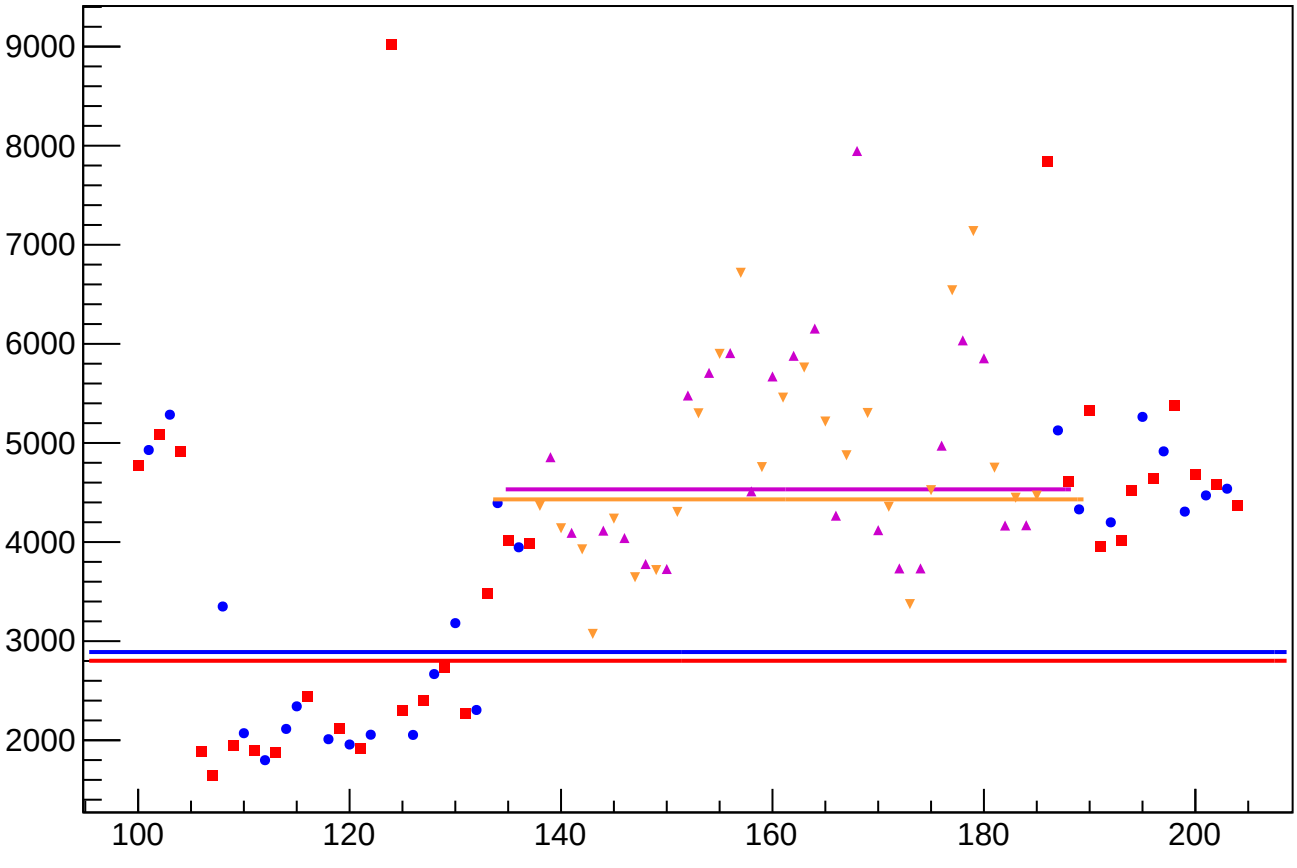
Left: 364.651+/-747.958 χ^2/NDF: 46.1/47

Right: 418.325+/-576.706 χ^2/NDF: 63.8/53

In: 287.053+/-671.939 χ^2/NDF:40.7/46

Out: 493.849+/-622.649 χ^2/NDF:69.2/54

All: 398.313+/-456.711 χ^2/NDF: 109.9/101



Right In: 2890.146+/-0.606 χ^2/NDF: 3574332.1/23

Left Out: 4430.796+/-0.732 χ^2/NDF:1613272.4/24

Right Out: 2801.992+/-0.551 χ^2/NDF: 4866572.0/29

Left In: 4531.944+/-0.765 χ^2/NDF:1376472.2/22

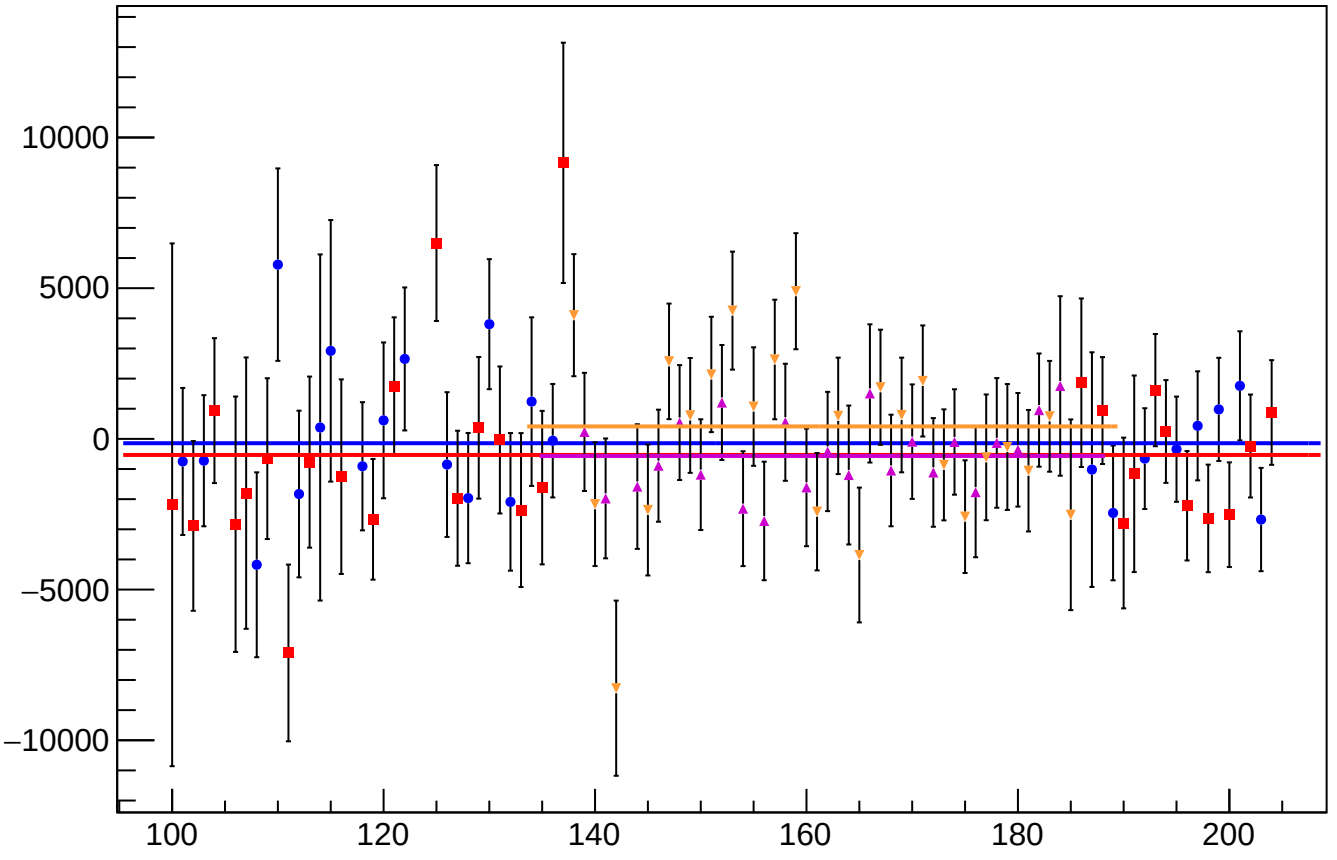
Left: 4479.085+/-0.529 χ^2/NDF: 2998869.7/47

Right: 2841.909+/-0.408 χ^2/NDF: 8452482.6/53

In: 3522.728+/-0.475 χ^2/NDF:7778754.5/46

Out: 3391.869+/-0.440 χ^2/NDF:9641325.3/54

All: 3452.323+/-0.323 χ^2/NDF: 17460890.5/1



Right In: -143.853+/-456.676 χ^2/NDF: 18.0/23

Left Out: 413.311+/-410.536 χ^2/NDF:40.0/23

Right Out: -533.520+/-433.476 χ^2/NDF: 31.2/28

Left In: -568.821+/-412.052 χ^2/NDF:7.7/22

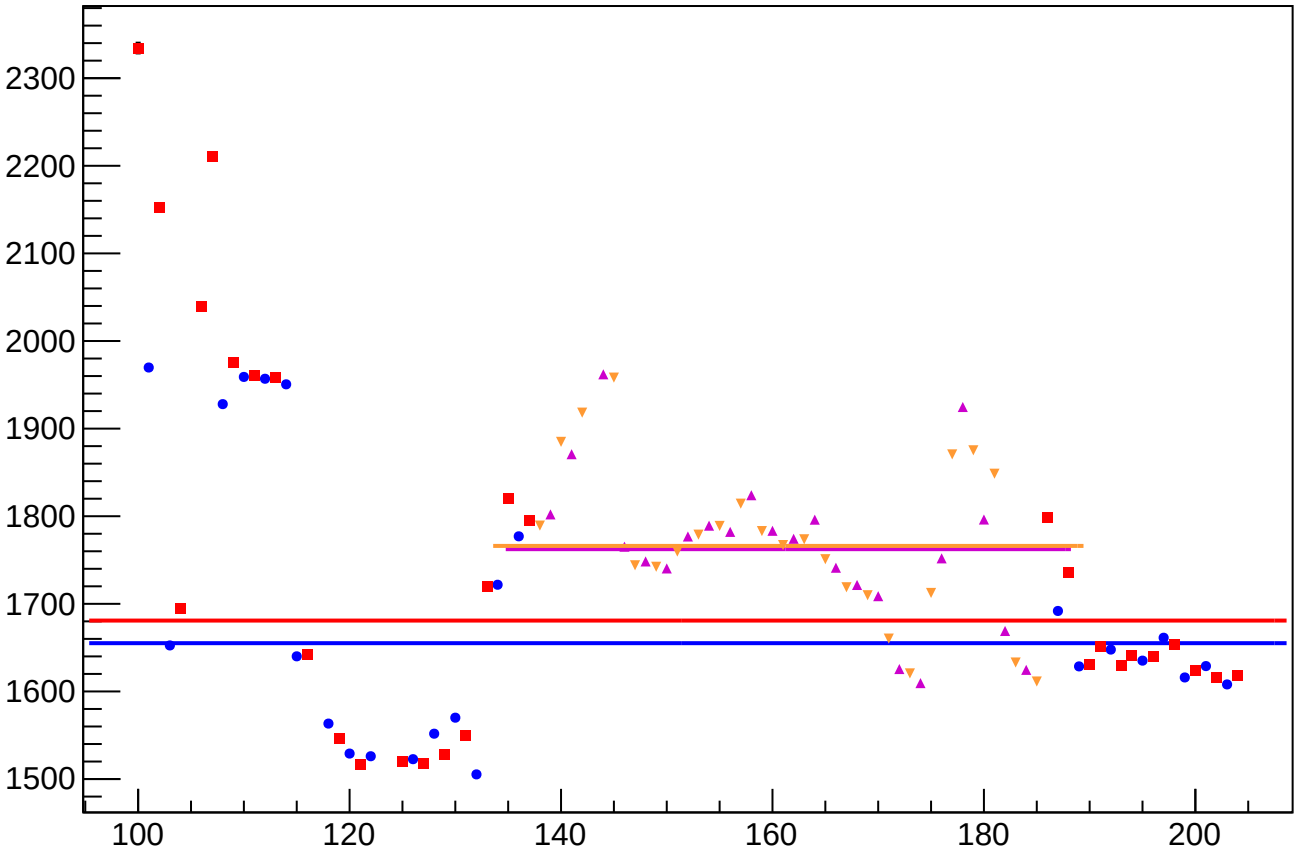
Left: -75.945+/-290.827 χ^2/NDF: 50.6/46

Right: -348.835+/-314.396 χ^2/NDF: 49.5/52

In: -378.109+/-305.928 χ^2/NDF:26.2/46

Out: -34.389+/-298.073 χ^2/NDF:73.7/52

All: -201.779+/-213.492 χ^2/NDF: 100.5/99



Right In: 1655.102+/-0.323 χ^2/NDF: 146397.3/23

Left Out: 1766.116+/-0.290 χ^2/NDF:83255.3/23

Right Out: 1680.906+/-0.306 χ^2/NDF: 252289.9/28

Left In: 1762.406+/-0.291 χ^2/NDF:80093.2/22

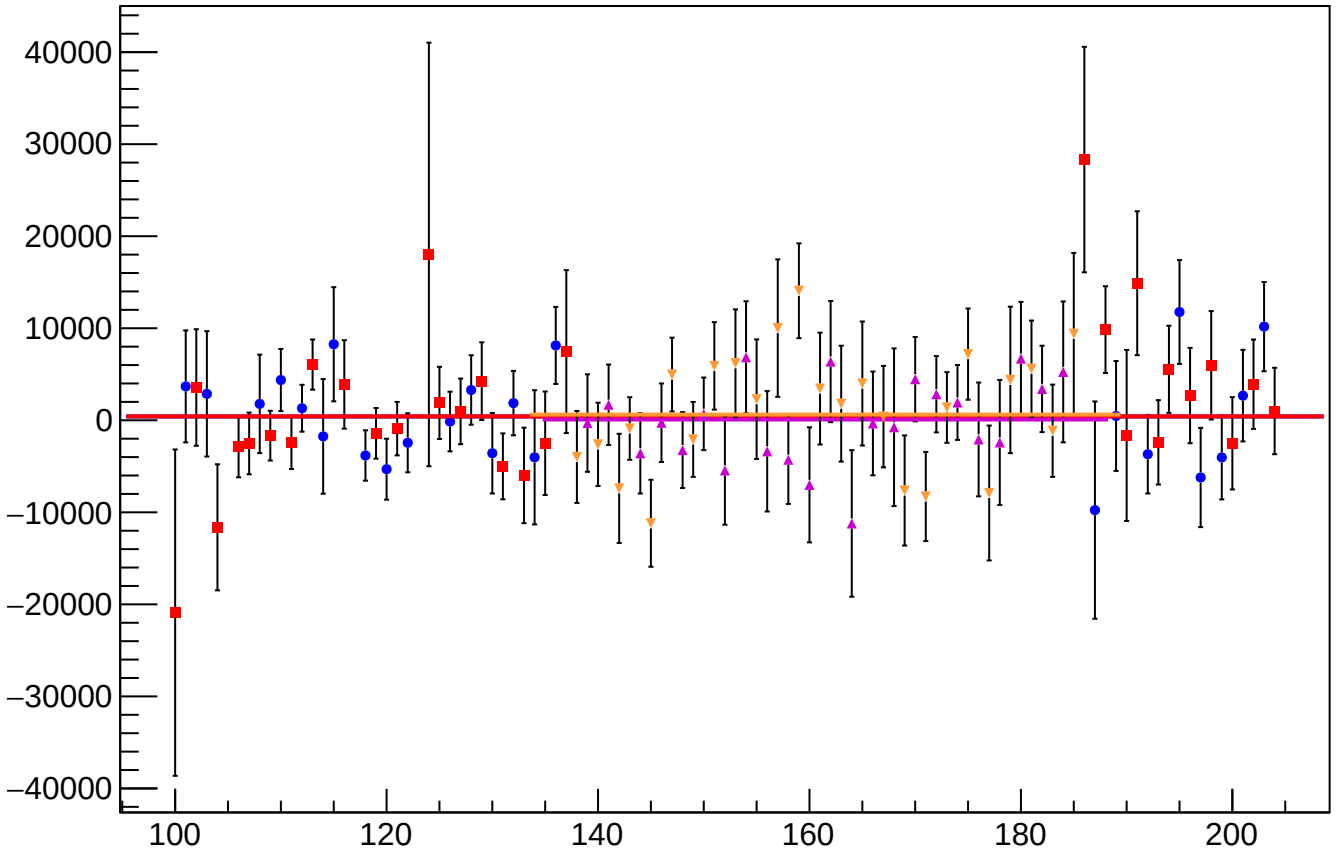
Left: 1764.268+/-0.206 χ^2/NDF: 163429.9/46

Right: 1668.689+/-0.222 χ^2/NDF: 402049.3/52

In: 1714.252+/-0.216 χ^2/NDF:287357.3/46

Out: 1725.781+/-0.211 χ^2/NDF:376330.9/52

All: 1720.169+/-0.151 χ^2/NDF: 665146.0/99



Right In: 413.373+/-857.030 χ^2/NDF: 27.7/23

Left Out: 619.663+/-1034.659 χ^2/NDF:33.1/24

Right Out: 422.411+/-779.622 χ^2/NDF: 36.1/29

Left In: 85.511+/-1082.509 χ^2/NDF:12.9/22

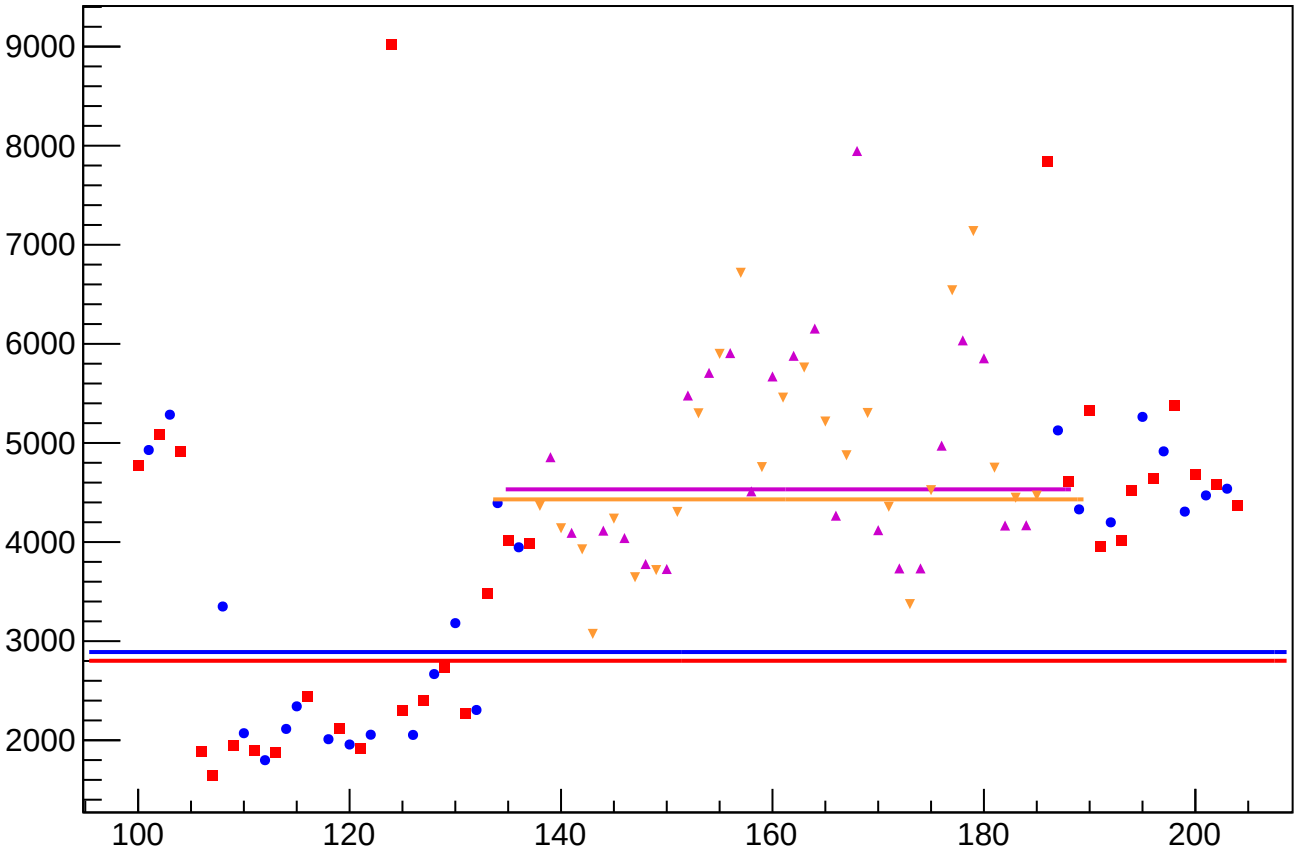
Left: 364.653+/-747.959 χ^2/NDF: 46.1/47

Right: 418.319+/-576.705 χ^2/NDF: 63.8/53

In: 287.049+/-671.938 χ^2/NDF:40.7/46

Out: 493.846+/-622.648 χ^2/NDF:69.2/54

All: 398.310+/-456.711 χ^2/NDF: 109.9/101



Right In: 2890.135+/-0.606 χ^2/NDF: 3574377.7/23

Left Out: 4430.803+/-0.732 χ^2/NDF:1613274.9/24

Right Out: 2801.983+/-0.551 χ^2/NDF: 4866616.8/29

Left In: 4531.951+/-0.765 χ^2/NDF:1376473.4/22

Left: 4479.092+/-0.529 χ^2/NDF: 2998873.4/47

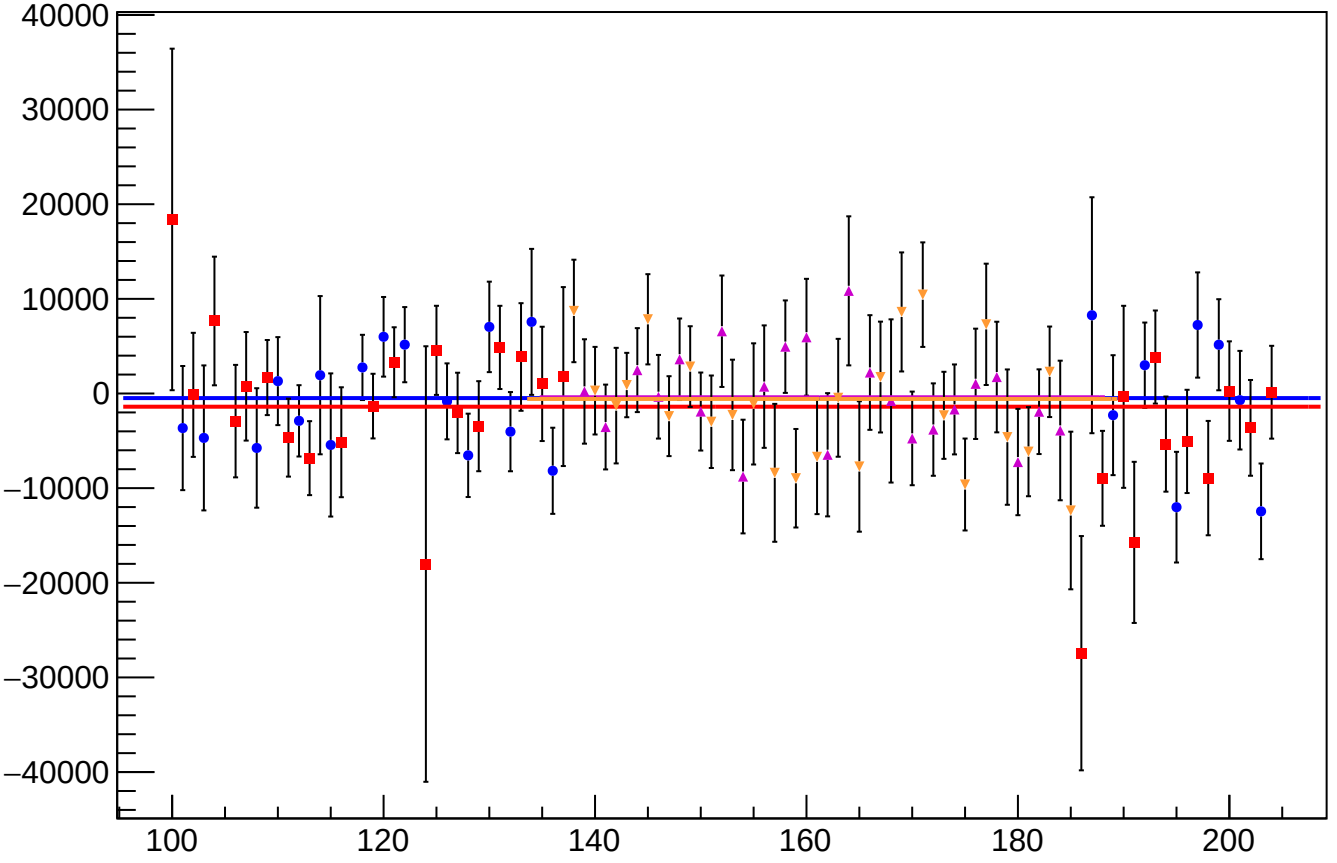
Right: 2841.899+/-0.408 χ^2/NDF: 8452572.7/53

In: 3522.720+/-0.475 χ^2/NDF:7778863.9/46

Out: 3391.863+/-0.440 χ^2/NDF:9641433.5/54

All: 3452.317+/-0.323 χ^2/NDF: 17461107.5/

asym_atl_dd_mean vs Slug, Sign Corrected



Right In: -484.992+/-1021.193 χ^2/NDF: 30.6/23

Left Out: -573.122+/-1054.836 χ^2/NDF:28.8/24

Right Out: -1395.470+/-961.852 χ^2/NDF: 27.6/29

Left In: -398.404+/-1109.490 χ^2/NDF:14.0/22

Left: -490.172+/-764.473 χ^2/NDF: 42.8/47

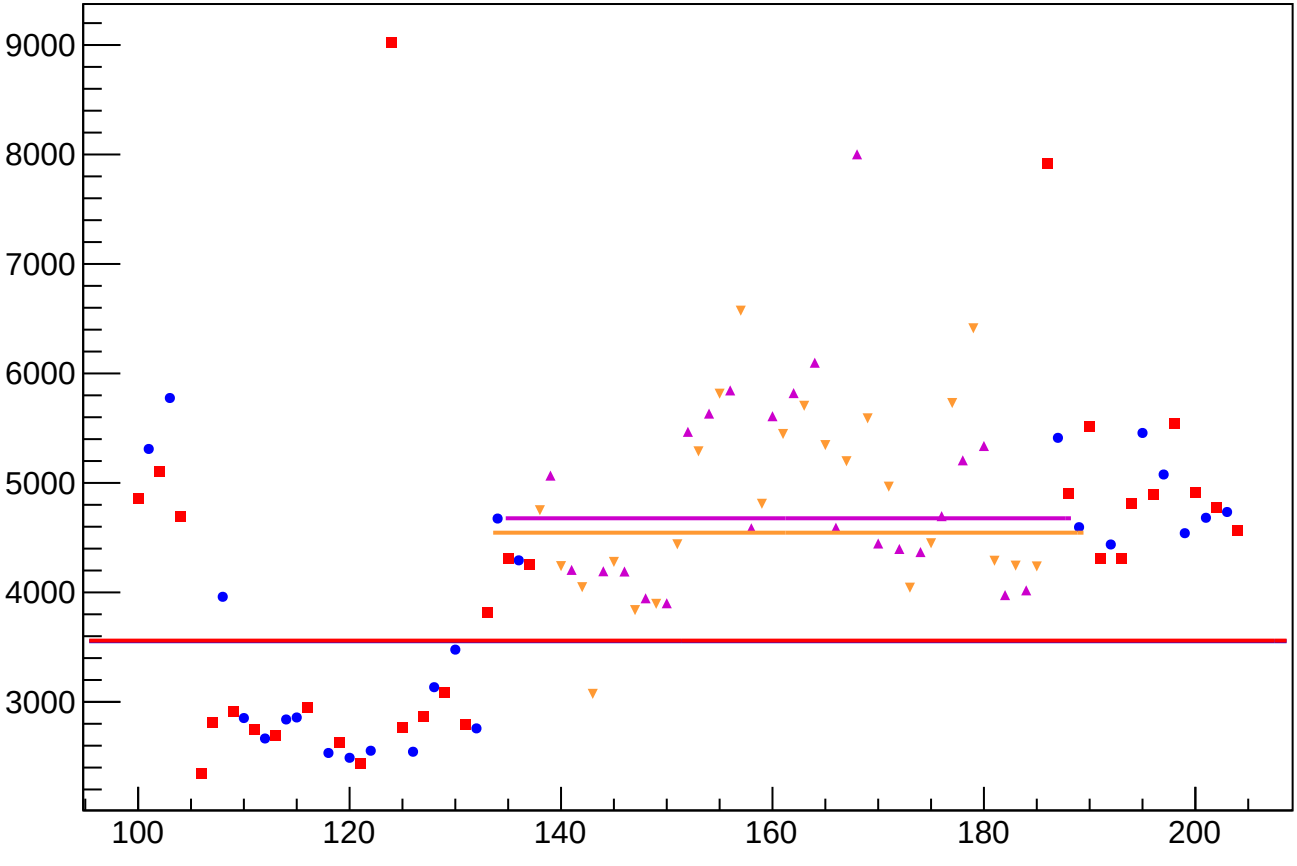
Right: -967.452+/-700.171 χ^2/NDF: 58.6/53

In: -445.280+/-751.372 χ^2/NDF:44.6/46

Out: -1022.131+/-710.736 χ^2/NDF:56.7/54

All: -749.726+/-516.335 χ^2/NDF: 101.6/101

asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 3554.159+/-0.722 χ^2/NDF: 2075224.4/23

Left Out: 4545.493+/-0.746 χ^2/NDF:1258528.5/24

Right Out: 3559.557+/-0.674 χ^2/NDF: 2617158.6/29

Left In: 4677.049+/-0.785 χ^2/NDF:959885.7/22

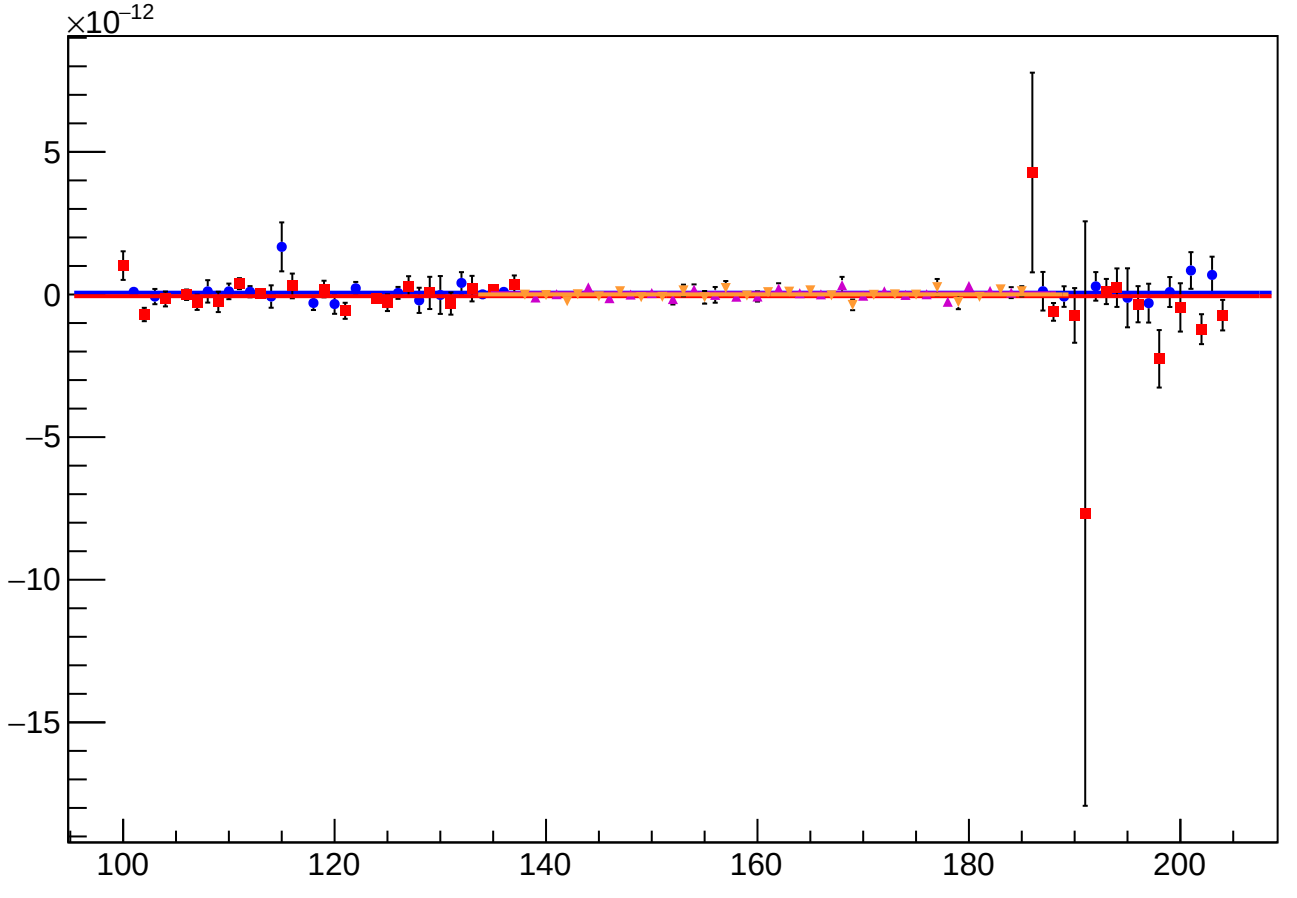
Left: 4607.951+/-0.541 χ^2/NDF: 2233183.6/47

Right: 3557.045+/-0.493 χ^2/NDF: 4692412.8/53

In: 4069.150+/-0.531 χ^2/NDF:4144161.9/46

Out: 4002.531+/-0.500 χ^2/NDF:4837915.3/54

All: 4033.818+/-0.364 χ^2/NDF: 8990415.9/10



Right In: 0.000+/-0.000 χ^2/NDF: 12.4/23

Left Out: 0.000+/-0.000 χ^2/NDF:18.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 48.3/29

Left In: 0.000+/-0.000 χ^2/NDF:20.6/22

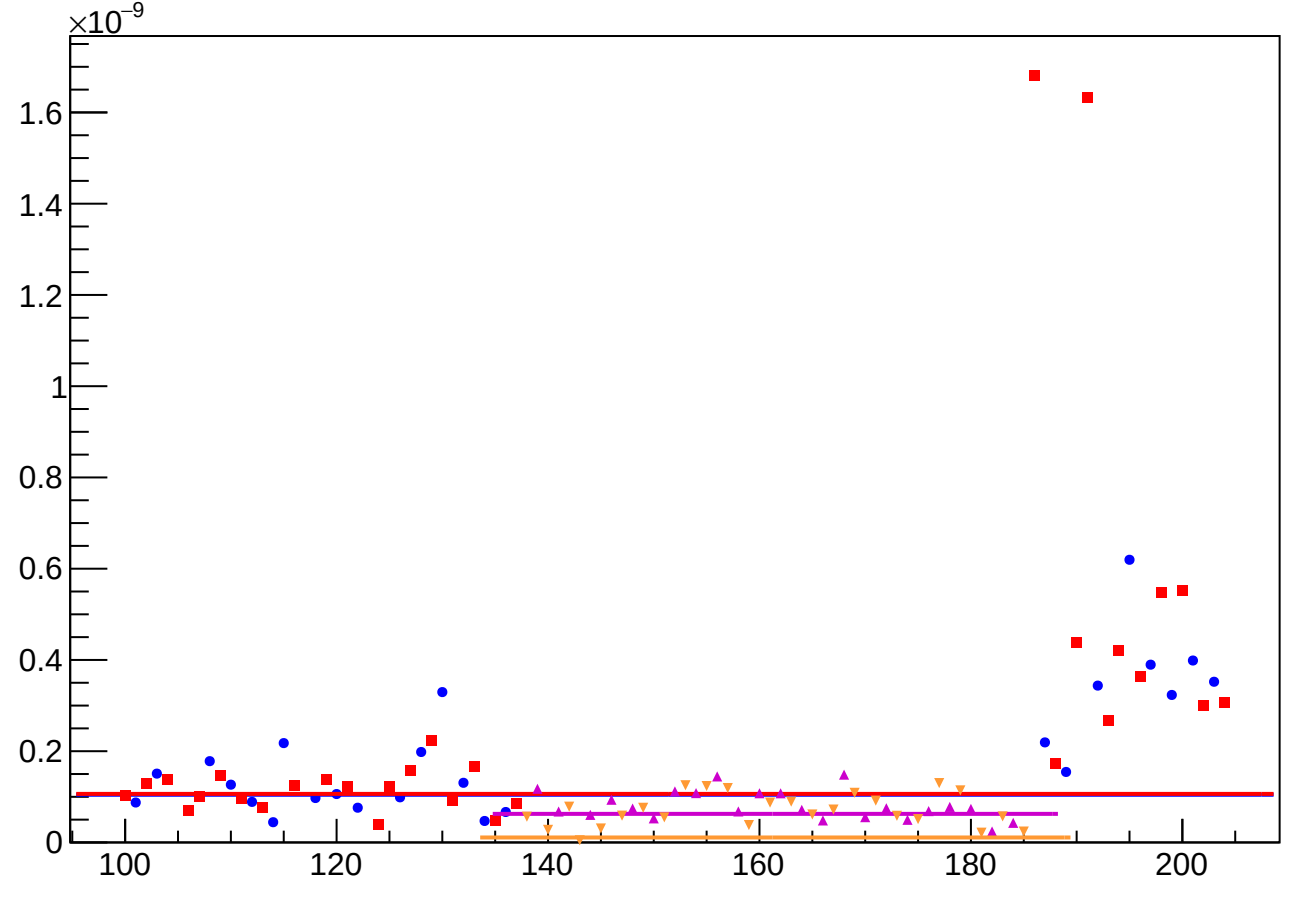
Left: 0.000+/-0.000 χ^2/NDF: 40.9/47

Right: 0.000+/-0.000 χ^2/NDF: 63.3/53

In: 0.000+/-0.000 χ^2/NDF:33.1/46

Out: 0.000+/-0.000 χ^2/NDF:67.8/54

All: 0.000+/-0.000 χ^2/NDF: 104.3/101



Right In: 0.000+/-0.000 χ^2/NDF: 3560336.1/23

Left Out: 0.000+/-0.000 χ^2/NDF:9705530.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4525286.7/29

Left In: 0.000+/-0.000 χ^2/NDF:2092071.7/22

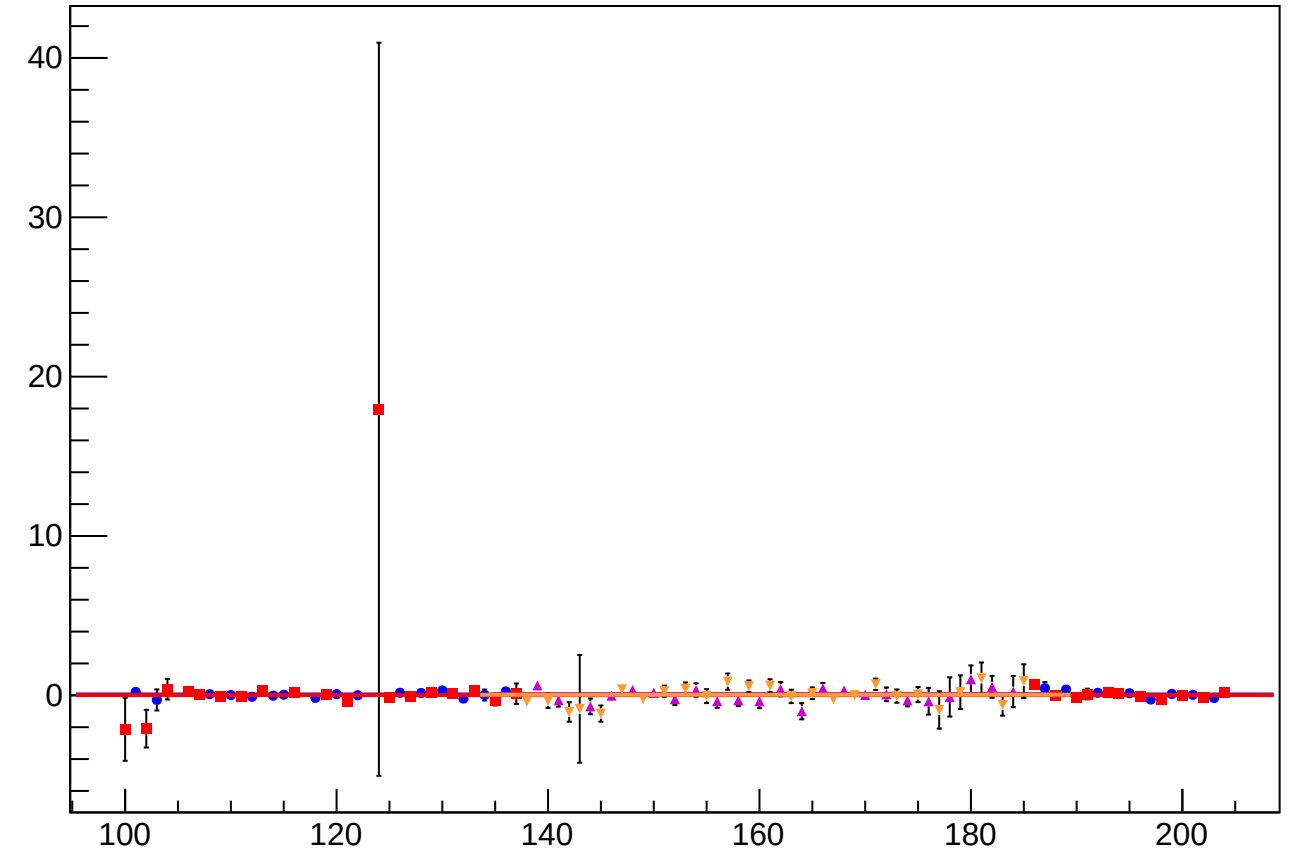
Left: 0.000+/-0.000 χ^2/NDF: 18964164.6/47

Right: 0.000+/-0.000 χ^2/NDF: 8086808.2/53

In: 0.000+/-0.000 χ^2/NDF:6620693.6/46

Out: 0.000+/-0.000 χ^2/NDF:20508556.7/54

All: 0.000+/-0.000 χ^2/NDF: 37739224.9/101



Right In: 0.051+/-0.038 χ^2/NDF: 16.8/23

Left Out: 0.036+/-0.077 χ^2/NDF:29.7/24

Right Out: 0.014+/-0.034 χ^2/NDF: 32.2/29

Left In: 0.078+/-0.076 χ^2/NDF:24.1/22

Left: 0.057+/-0.054 χ^2/NDF: 53.9/47

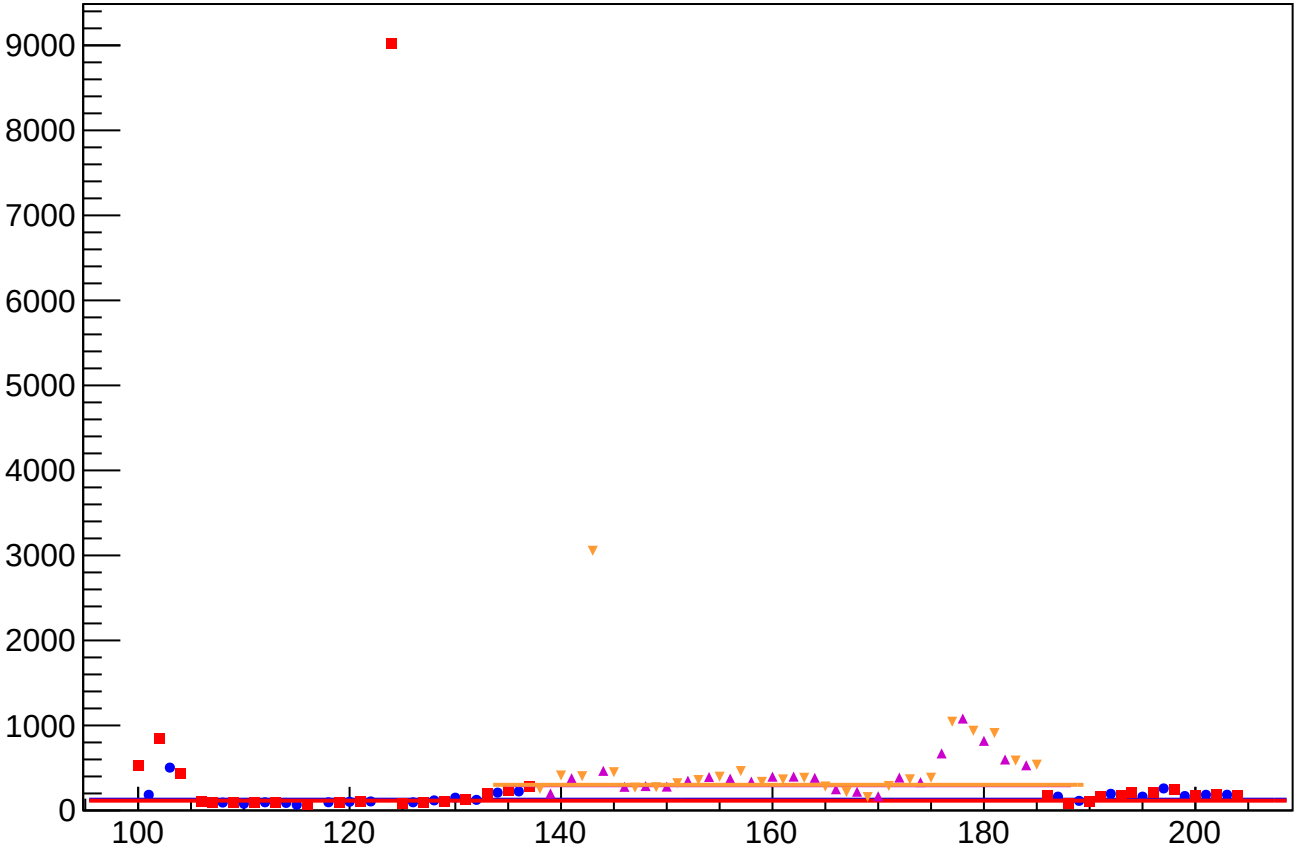
Right: 0.030+/-0.025 χ^2/NDF: 49.6/53

In: 0.057+/-0.034 χ^2/NDF:41.0/46

Out: 0.017+/-0.031 χ^2/NDF:61.9/54

All: 0.035+/-0.023 χ^2/NDF: 103.7/101

asym_atl_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 126.609+/-0.027 χ^2/NDF: 3382266.7/23

Left Out: 301.735+/-0.054 χ^2/NDF:6693517.2/24

Right Out: 115.262+/-0.024 χ^2/NDF: 5261717.0/29

Left In: 296.875+/-0.054 χ^2/NDF:4917907.0/22

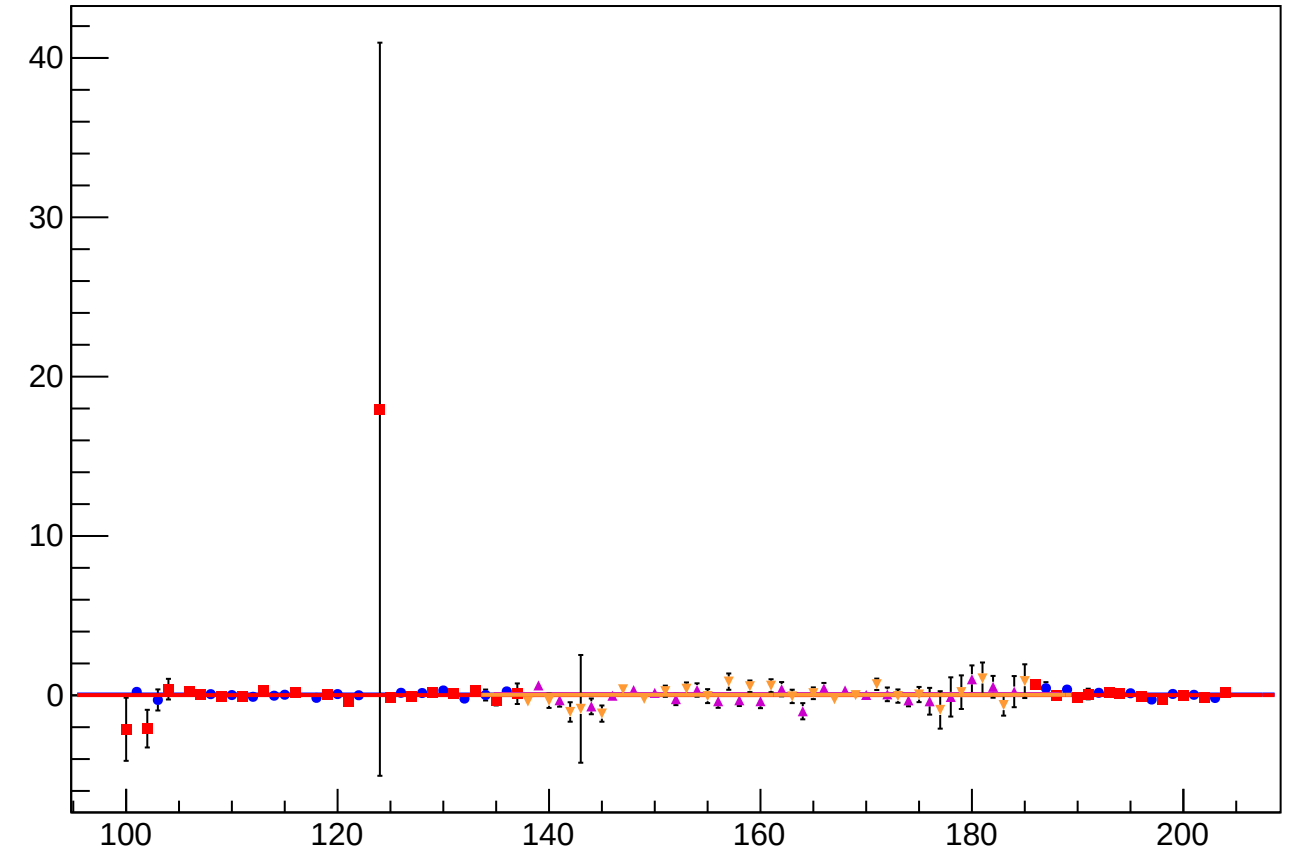
Left: 299.267+/-0.038 χ^2/NDF: 11615477.5/47

Right: 120.193+/-0.018 χ^2/NDF: 8742690.2/53

In: 161.435+/-0.024 χ^2/NDF:16340567.9/46

Out: 145.244+/-0.022 χ^2/NDF:21816159.1/54

All: 152.495+/-0.016 χ^2/NDF: 38403462.4/10



Right In: 0.051+/-0.038 χ^2/NDF: 16.8/23

Left Out: 0.036+/-0.077 χ^2/NDF:29.7/24

Right Out: 0.014+/-0.034 χ^2/NDF: 32.2/29

Left In: 0.078+/-0.076 χ^2/NDF:24.1/22

Left: 0.057+/-0.054 χ^2/NDF: 53.9/47

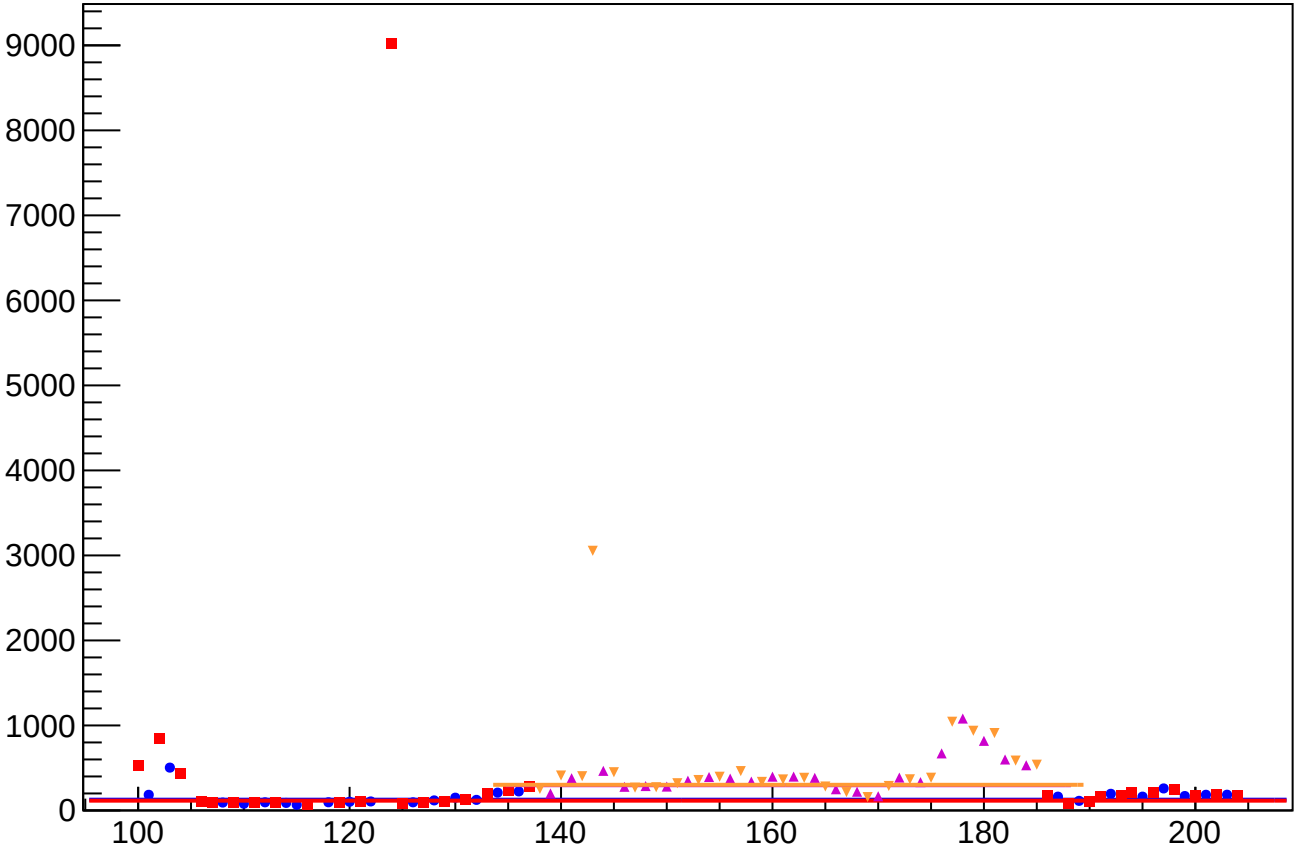
Right: 0.030+/-0.025 χ^2/NDF: 49.6/53

In: 0.057+/-0.034 χ^2/NDF:41.0/46

Out: 0.017+/-0.031 χ^2/NDF:61.9/54

All: 0.035+/-0.023 χ^2/NDF: 103.7/101

asym_atl_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 126.609+/-0.027 χ^2/NDF: 3382266.7/23

Left Out: 301.735+/-0.054 χ^2/NDF:6693517.2/24

Right Out: 115.262+/-0.024 χ^2/NDF: 5261717.0/29

Left In: 296.875+/-0.054 χ^2/NDF:4917907.0/22

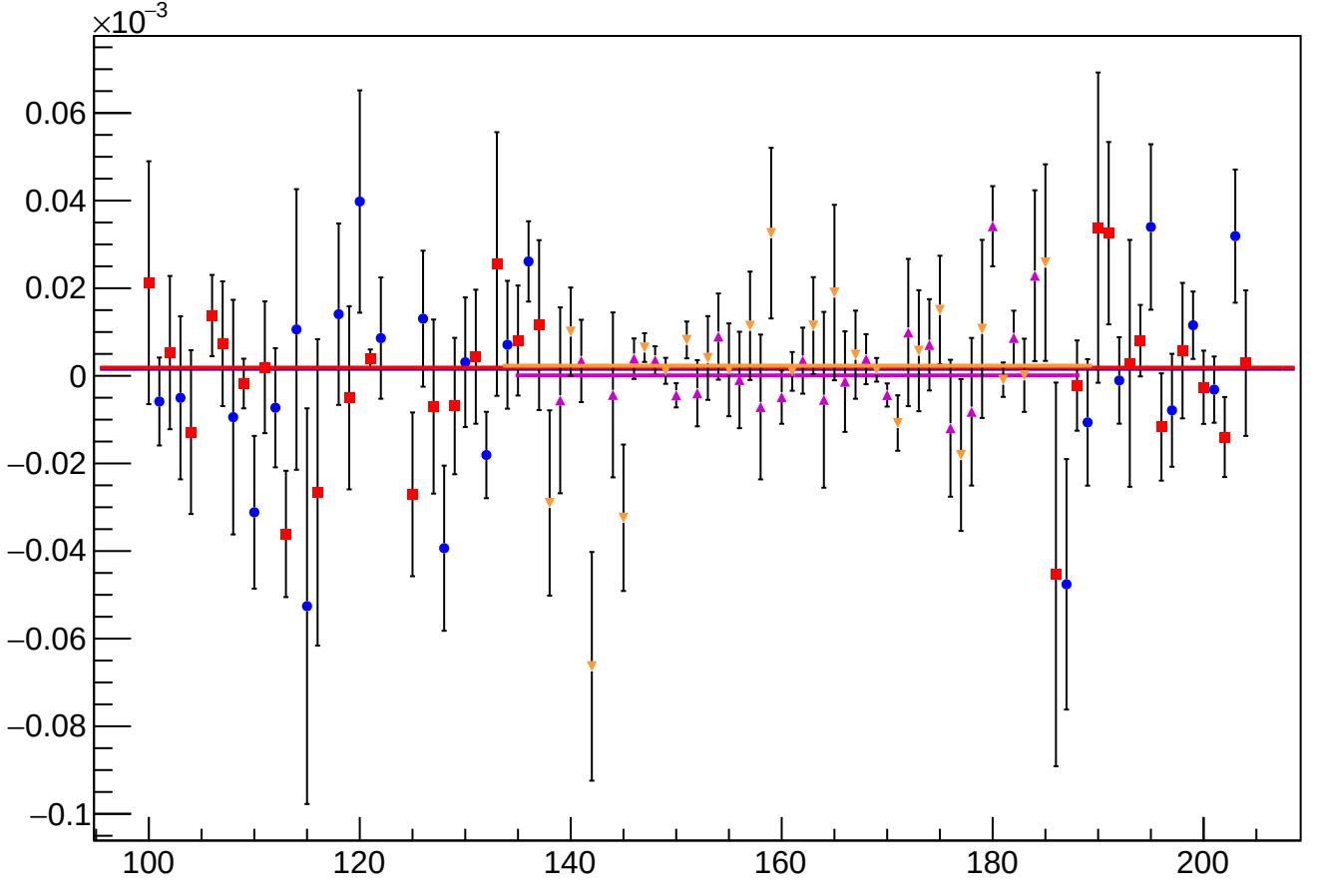
Left: 299.267+/-0.038 χ^2/NDF: 11615477.5/47

Right: 120.193+/-0.018 χ^2/NDF: 8742690.2/53

In: 161.435+/-0.024 χ^2/NDF:16340567.9/46

Out: 145.244+/-0.022 χ^2/NDF:21816159.1/54

All: 152.495+/-0.016 χ^2/NDF: 38403462.4/10



Right In: 0.000+/-0.000 χ^2/NDF: 39.0/23

Left Out: 0.000+/-0.000 χ^2/NDF:31.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 25.4/28

Left In: 0.000+/-0.000 χ^2/NDF:29.1/22

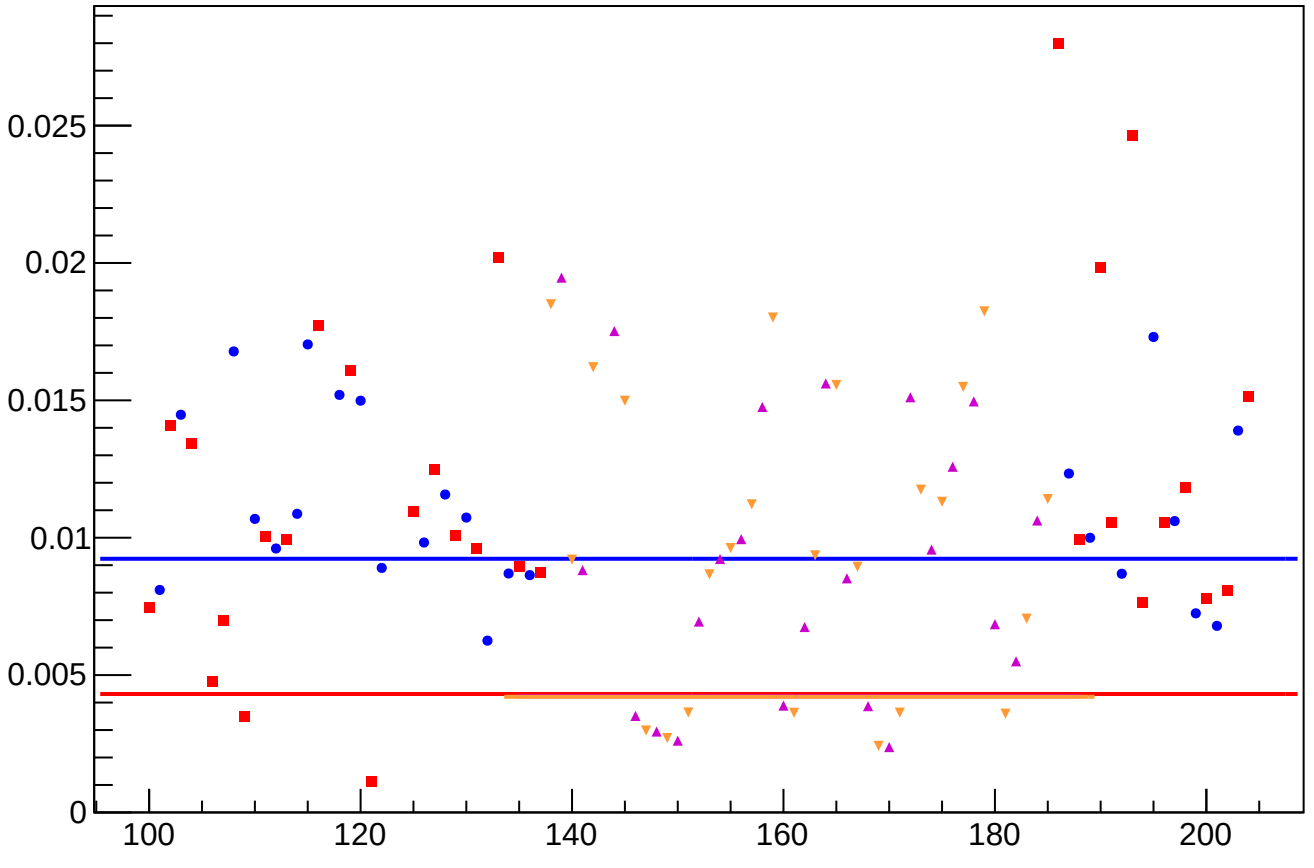
Left: 0.000+/-0.000 χ^2/NDF: 61.8/46

Right: 0.000+/-0.000 χ^2/NDF: 64.4/52

In: 0.000+/-0.000 χ^2/NDF:68.3/46

Out: 0.000+/-0.000 χ^2/NDF:56.6/52

All: 0.000+/-0.000 χ^2/NDF: 126.3/99



Right In: 0.009+/-0.000 χ^2/NDF: 1894771.8/23

Left Out: 0.004+/-0.000 χ^2/NDF:12078055.5/23

Right Out: 0.004+/-0.000 χ^2/NDF: 14706282.9/28

Left In: 0.004+/-0.000 χ^2/NDF:11034220.9/22

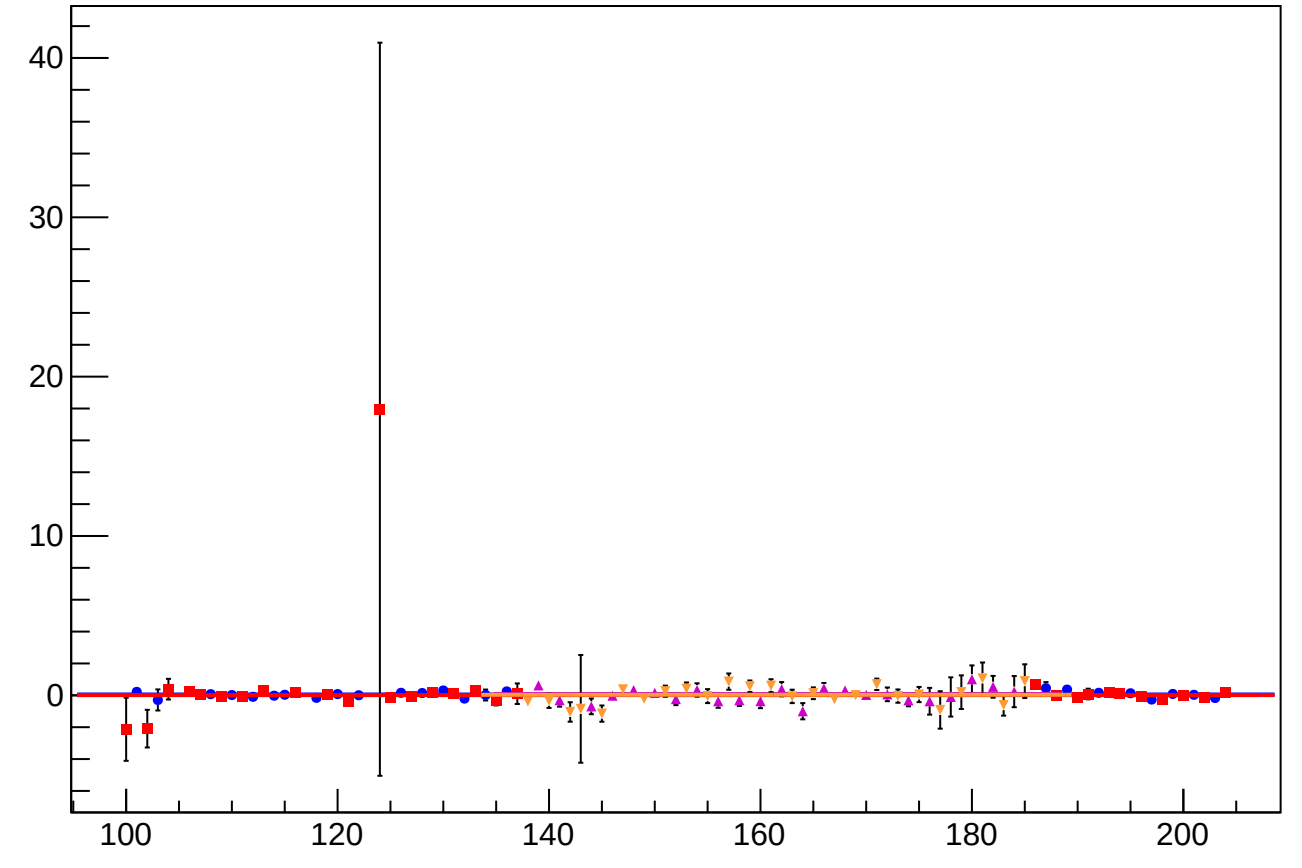
Left: 0.004+/-0.000 χ^2/NDF: 23112509.3/46

Right: 0.006+/-0.000 χ^2/NDF: 21408434.6/52

In: 0.005+/-0.000 χ^2/NDF:18505435.1/46

Out: 0.004+/-0.000 χ^2/NDF:26789193.9/52

All: 0.005+/-0.000 χ^2/NDF: 45965660.1/99



Right In: 0.051+/-0.038 χ^2/NDF: 16.8/23

Left Out: 0.036+/-0.077 χ^2/NDF:29.7/24

Right Out: 0.014+/-0.034 χ^2/NDF: 32.2/29

Left In: 0.078+/-0.076 χ^2/NDF:24.1/22

Left: 0.057+/-0.054 χ^2/NDF: 53.9/47

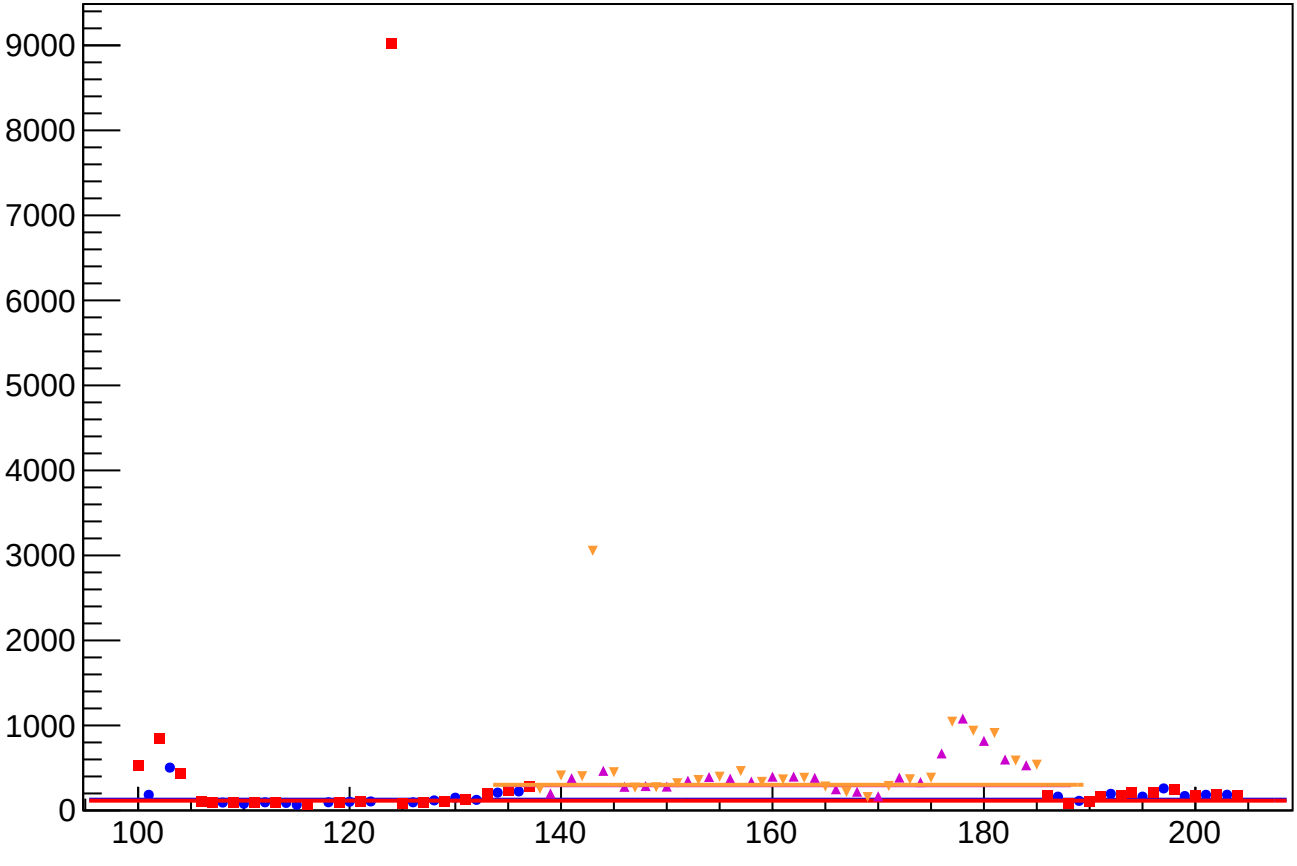
Right: 0.030+/-0.025 χ^2/NDF: 49.6/53

In: 0.057+/-0.034 χ^2/NDF:41.0/46

Out: 0.017+/-0.031 χ^2/NDF:61.9/54

All: 0.035+/-0.023 χ^2/NDF: 103.7/101

asym_atl_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 126.609+/-0.027 χ^2/NDF: 3382231.1/23

Left Out: 301.737+/-0.054 χ^2/NDF:6693577.7/24

Right Out: 115.262+/-0.024 χ^2/NDF: 5261601.7/29

Left In: 296.878+/-0.054 χ^2/NDF:4917864.1/22

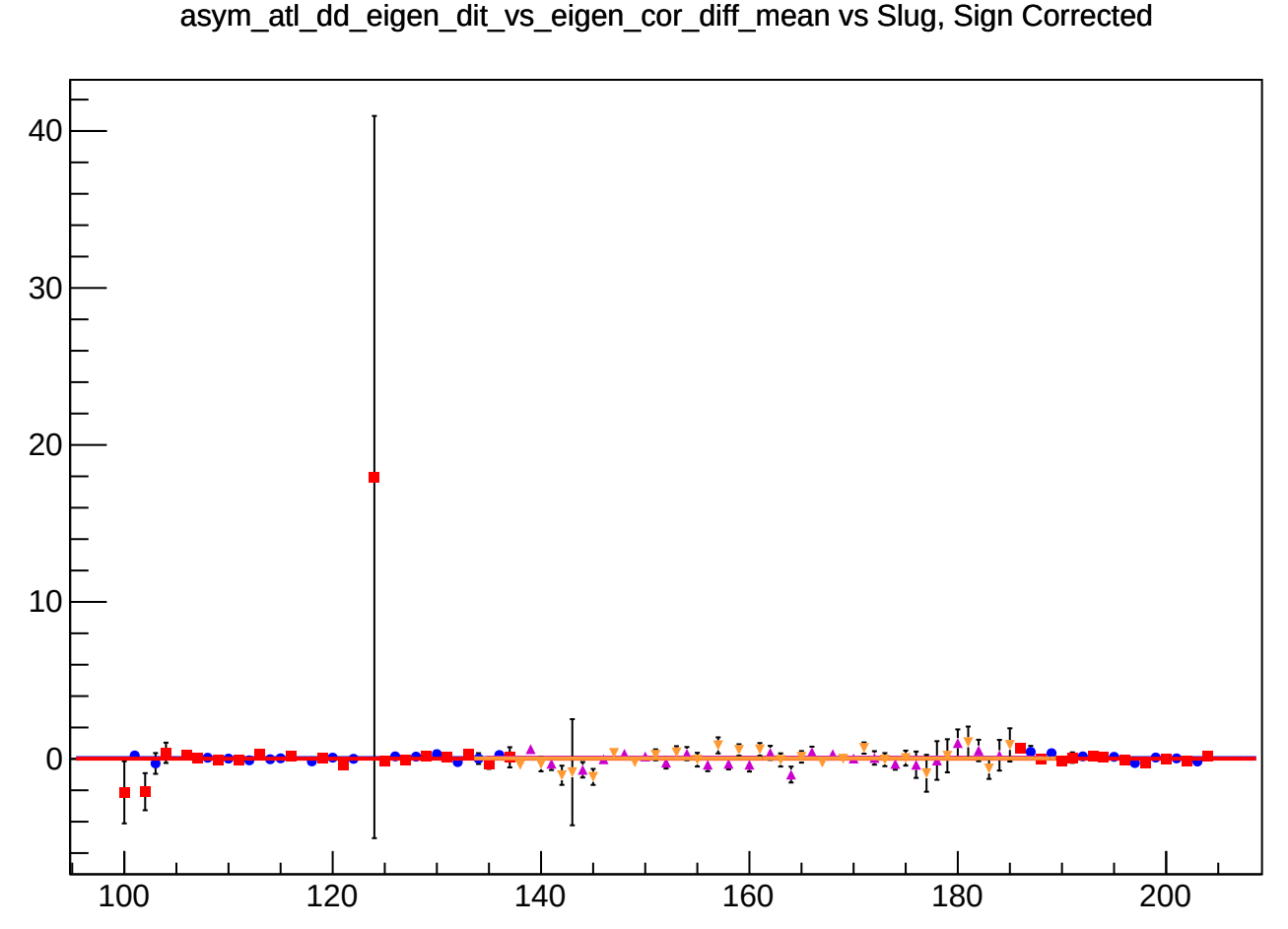
Left: 299.269+/-0.038 χ^2/NDF: 11615492.5/47

Right: 120.194+/-0.018 χ^2/NDF: 8742531.5/53

In: 161.435+/-0.024 χ^2/NDF:16340628.3/46

Out: 145.244+/-0.022 χ^2/NDF:21816093.0/54

All: 152.495+/-0.016 χ^2/NDF: 38403446.2/10



Right In: 0.051+/-0.038 χ^2/NDF: 16.8/23

Left Out: 0.036+/-0.077 χ^2/NDF:29.7/24

Right Out: 0.014+/-0.034 χ^2/NDF: 32.2/29

Left In: 0.078+/-0.076 χ^2/NDF:24.1/22

Left: 0.057+/-0.054 χ^2/NDF: 53.9/47

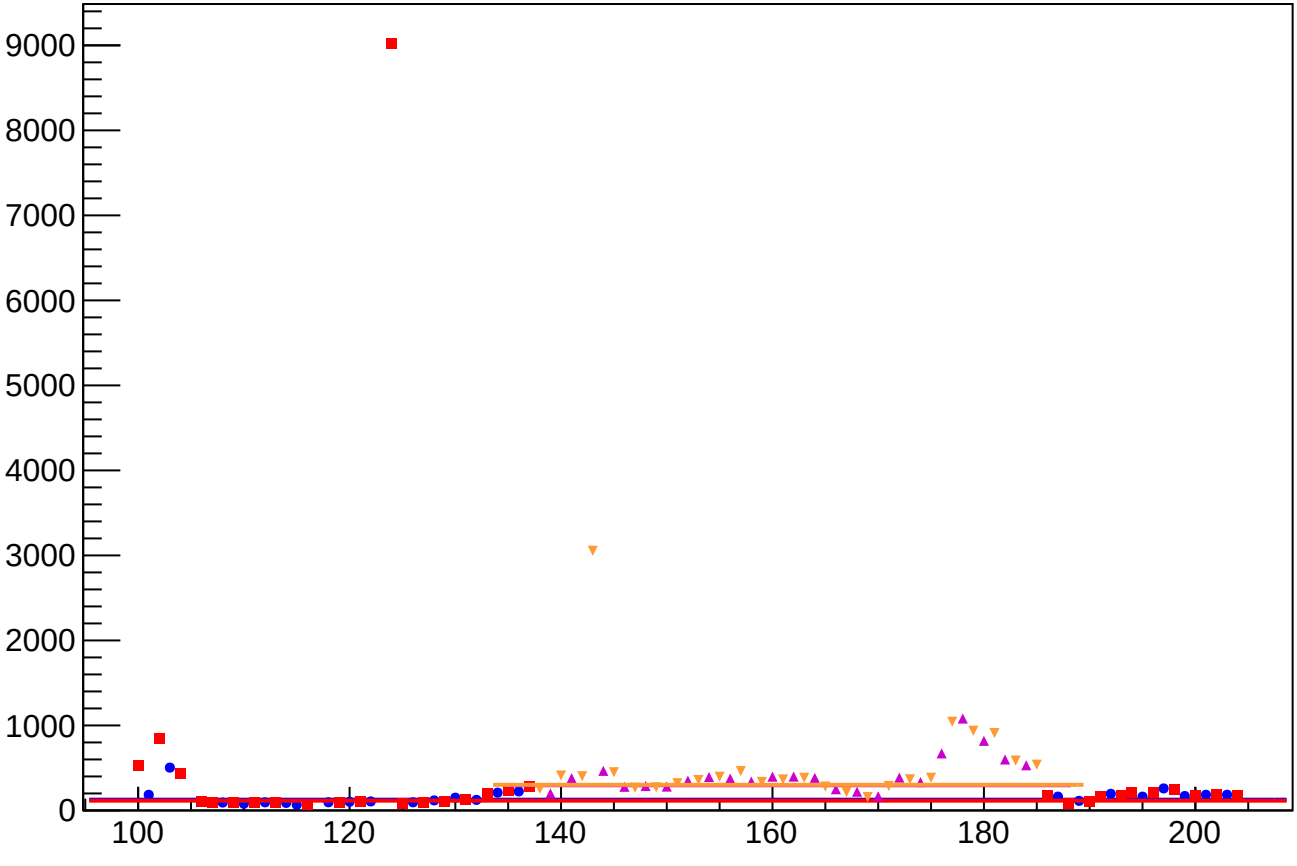
Right: 0.030+/-0.025 χ^2/NDF: 49.6/53

In: 0.057+/-0.034 χ^2/NDF:41.0/46

Out: 0.017+/-0.031 χ^2/NDF:61.9/54

All: 0.035+/-0.023 χ^2/NDF: 103.7/101

asym_atl_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 126.609+/-0.027 χ^2/NDF: 3382231.1/23

Left Out: 301.737+/-0.054 χ^2/NDF:6693577.7/24

Right Out: 115.262+/-0.024 χ^2/NDF: 5261601.7/29

Left In: 296.878+/-0.054 χ^2/NDF:4917864.1/22

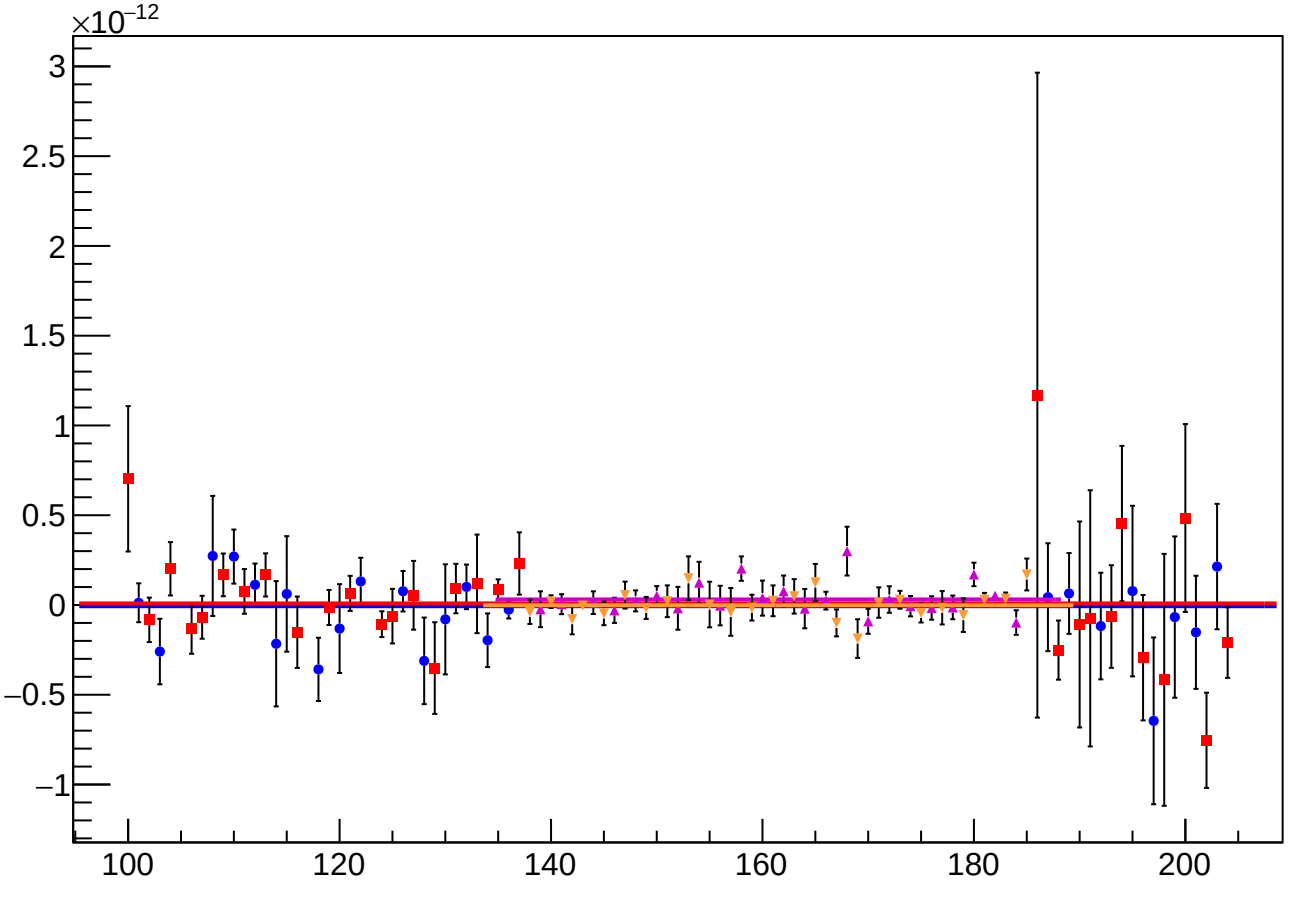
Left: 299.269+/-0.038 χ^2/NDF: 11615492.5/47

Right: 120.194+/-0.018 χ^2/NDF: 8742531.5/53

In: 161.435+/-0.024 χ^2/NDF:16340628.3/46

Out: 145.244+/-0.022 χ^2/NDF:21816093.0/54

All: 152.495+/-0.016 χ^2/NDF: 38403446.2/10



Right In: -0.000+/-0.000 χ^2/NDF: 20.3/23

Left Out: -0.000+/-0.000 χ^2/NDF:17.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 35.7/29

Left In: 0.000+/-0.000 χ^2/NDF:26.4/22

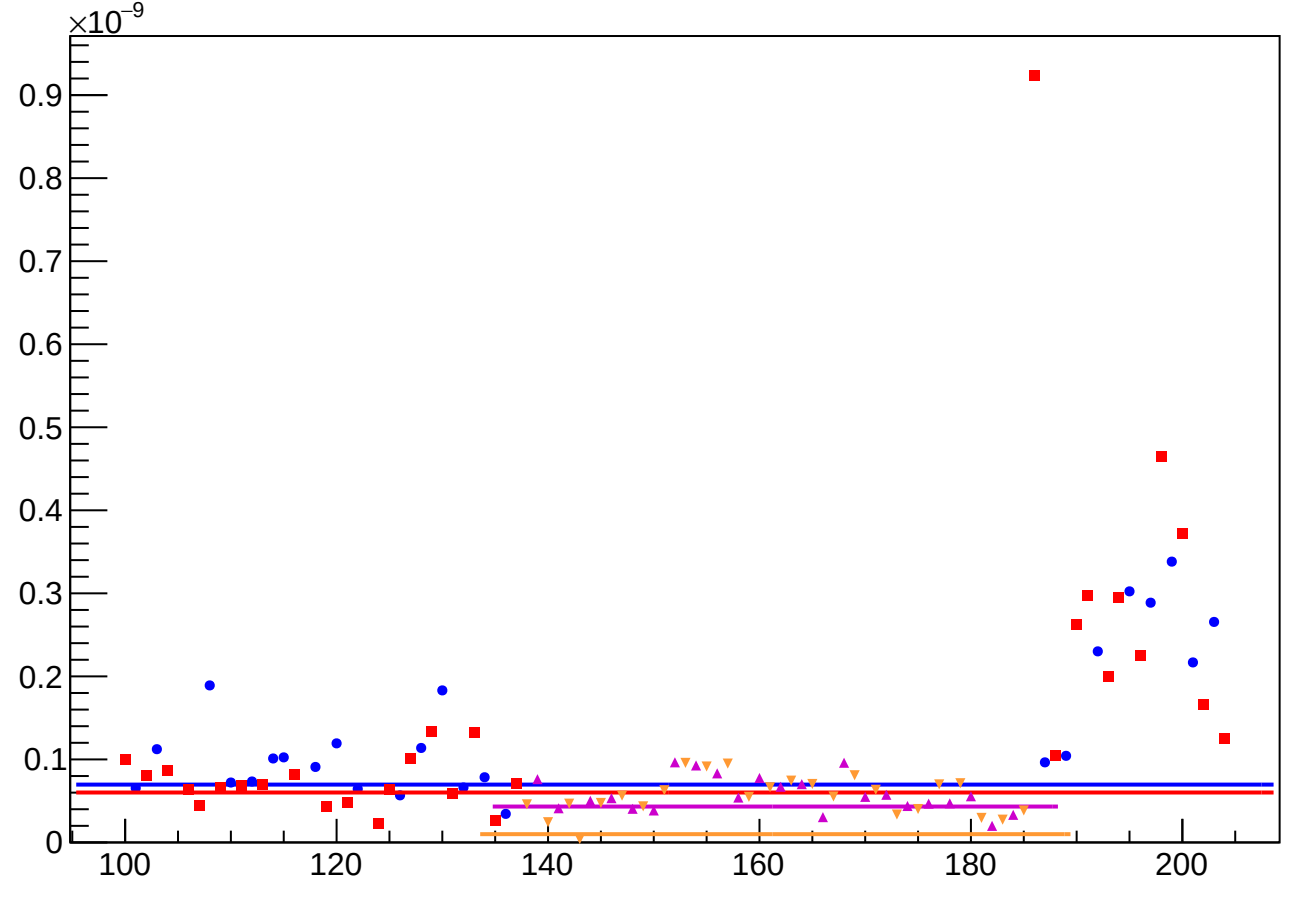
Left: 0.000+/-0.000 χ^2/NDF: 49.3/47

Right: 0.000+/-0.000 χ^2/NDF: 56.1/53

In: 0.000+/-0.000 χ^2/NDF:47.9/46

Out: -0.000+/-0.000 χ^2/NDF:53.6/54

All: 0.000+/-0.000 χ^2/NDF: 105.5/101



Right In: 0.000+/-0.000 χ^2/NDF: 5270601.5/23

Left Out: 0.000+/-0.000 χ^2/NDF:18523402.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6406258.0/29

Left In: 0.000+/-0.000 χ^2/NDF:4049081.0/22

Left: 0.000+/-0.000 χ^2/NDF: 33507700.8/47

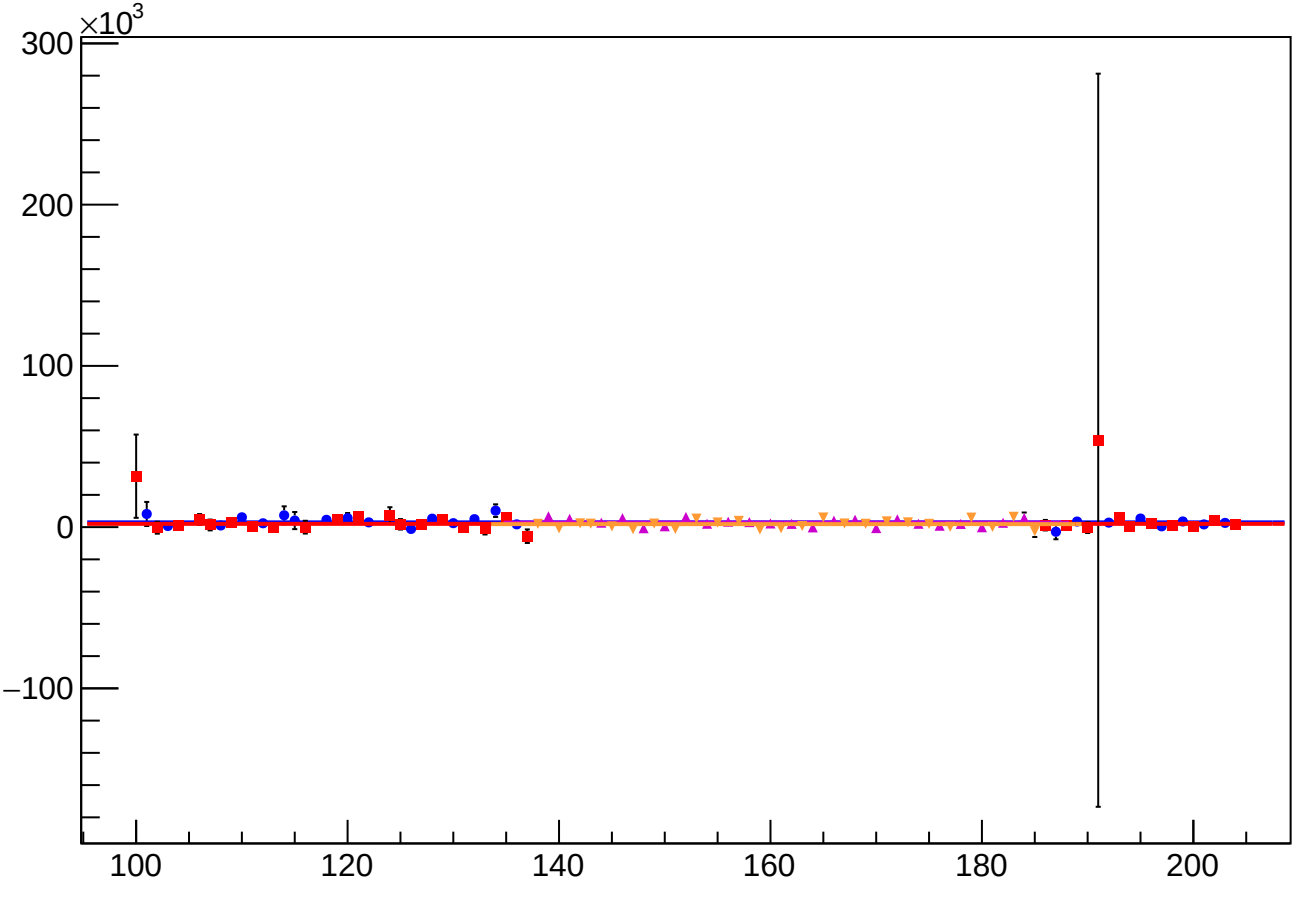
Right: 0.000+/-0.000 χ^2/NDF: 11788774.3/53

In: 0.000+/-0.000 χ^2/NDF:10573955.5/46

Out: 0.000+/-0.000 χ^2/NDF:32025969.4/54

All: 0.000+/-0.000 χ^2/NDF: 57145538.4/101

reg_asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 2951.999+/-543.099 χ^2/NDF: 16.3/23

Left Out: 1851.999+/-420.006 χ^2/NDF:31.5/24

Right Out: 2028.655+/-506.011 χ^2/NDF: 22.4/29

Left In: 2775.769+/-430.870 χ^2/NDF:25.4/22

Left: 2302.092+/-300.757 χ^2/NDF: 59.3/47

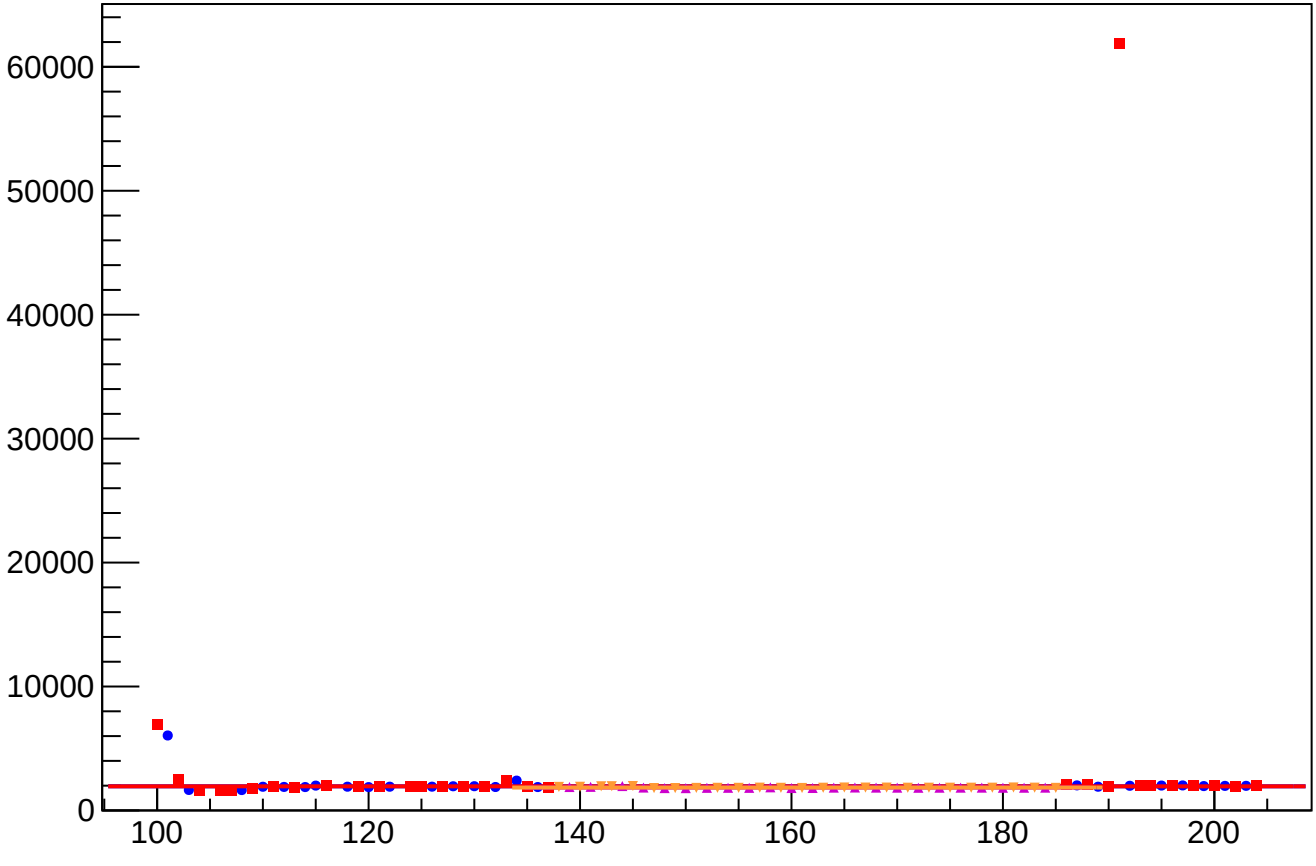
Right: 2457.726+/-370.222 χ^2/NDF: 40.3/53

In: 2843.843+/-337.544 χ^2/NDF:41.8/46

Out: 1924.061+/-323.181 χ^2/NDF:54.0/54

All: 2363.967+/-233.436 χ^2/NDF: 99.7/101

reg_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1949.251+/-0.384 χ^2/NDF: 706958.7/23

Left Out: 1848.522+/-0.297 χ^2/NDF:20886.6/24

Right Out: 1946.688+/-0.357 χ^2/NDF: 404947.0/29

Left In: 1845.061+/-0.305 χ^2/NDF:14026.0/22

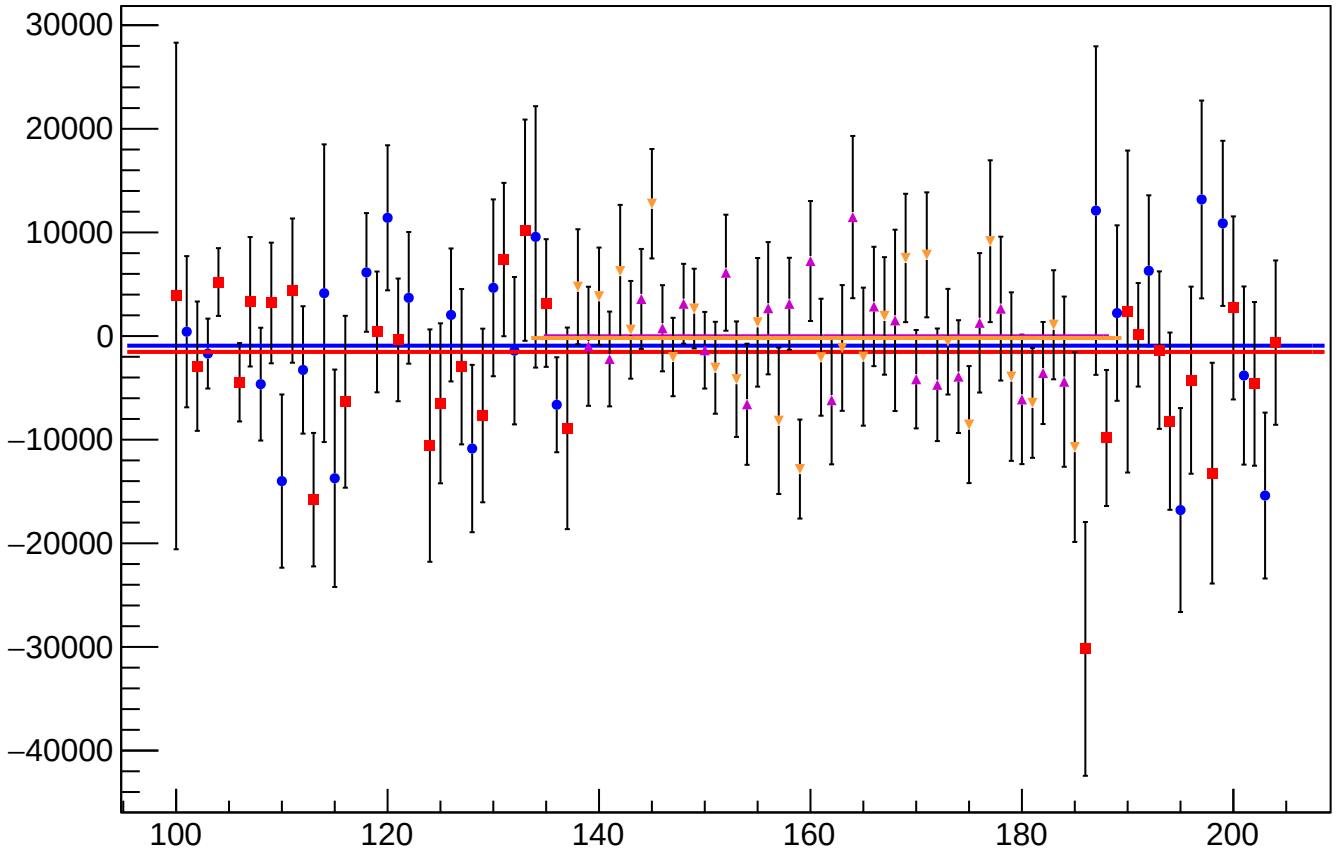
Left: 1846.835+/-0.213 χ^2/NDF: 34978.8/47

Right: 1947.877+/-0.262 χ^2/NDF: 1111929.6/53

In: 1885.308+/-0.239 χ^2/NDF:766159.7/46

Out: 1888.649+/-0.228 χ^2/NDF:470494.1/54

All: 1887.052+/-0.165 χ^2/NDF: 1236756.1/10



Right In: -928.386+/-1413.106 χ^2/NDF: 26.5/23

Left Out: -189.458+/-1088.618 χ^2/NDF:28.9/24

Right Out: -1532.579+/-1235.747 χ^2/NDF: 27.3/29

Left In: -19.391+/-1112.574 χ^2/NDF:13.7/22

Left: -106.275+/-778.101 χ^2/NDF: 42.7/47

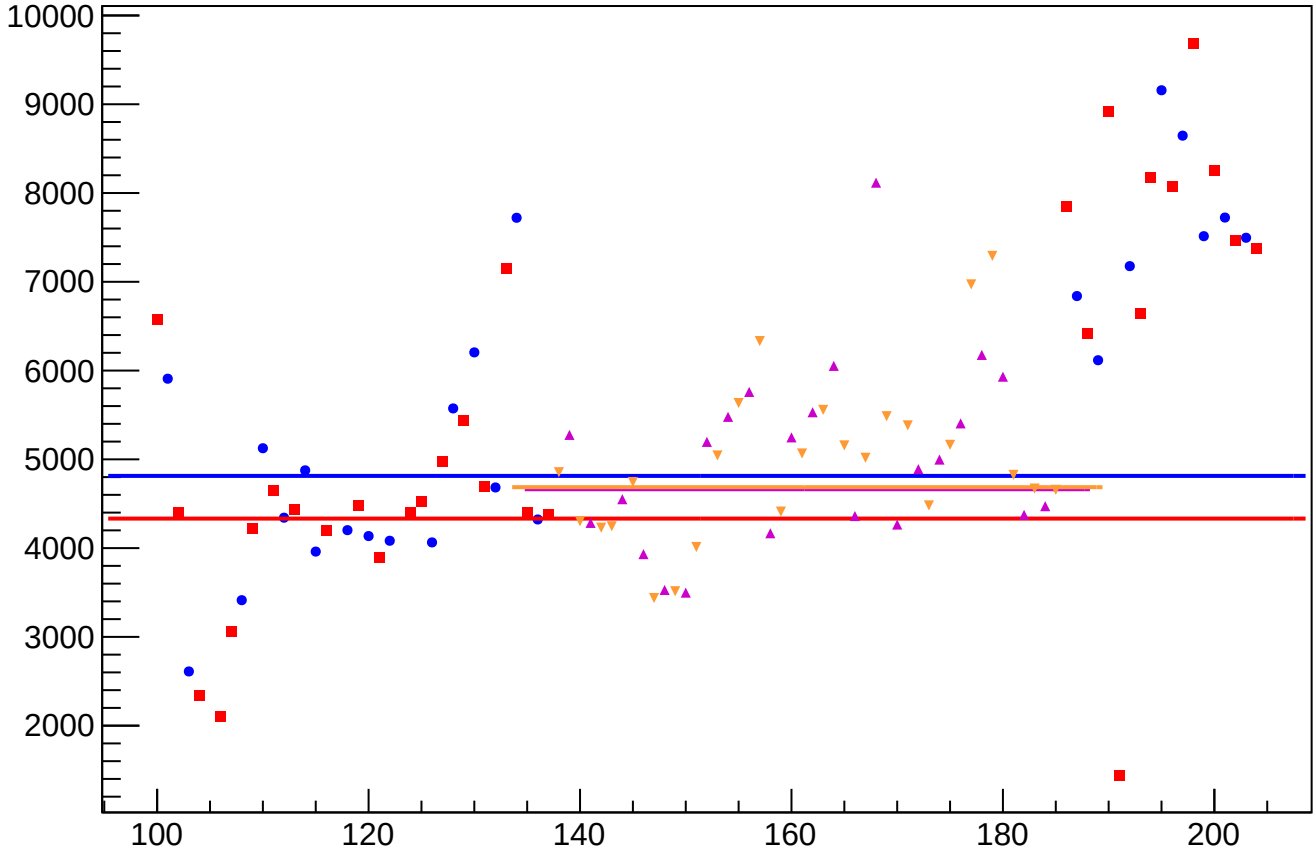
Right: -1270.757+/-930.229 χ^2/NDF: 53.9/53

In: -367.237+/-874.153 χ^2/NDF:40.5/46

Out: -776.340+/-816.860 χ^2/NDF:56.9/54

All: -585.633+/-596.834 χ^2/NDF: 97.5/101

asym_atr_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 4813.536+/-0.999 χ^2/NDF: 3040266.2/23

Left Out: 4686.353+/-0.770 χ^2/NDF:1185063.7/24

Right Out: 4332.629+/-0.874 χ^2/NDF: 5403934.5/29

Left In: 4663.272+/-0.787 χ^2/NDF:1286726.4/22

Left: 4675.064+/-0.550 χ^2/NDF: 2472229.8/47

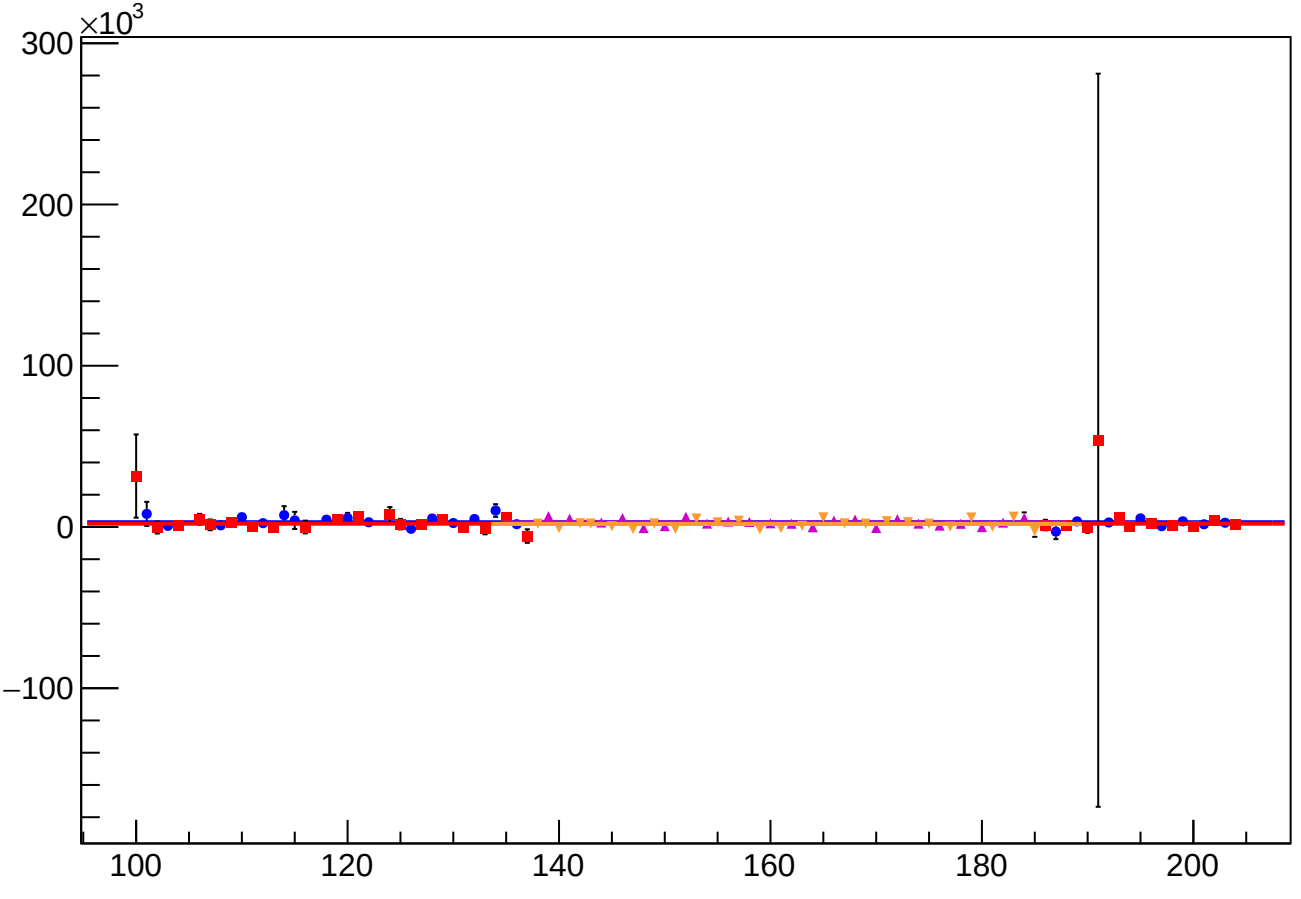
Right: 4541.026+/-0.658 χ^2/NDF: 8575458.2/53

In: 4720.774+/-0.618 χ^2/NDF:4340953.3/46

Out: 4531.792+/-0.578 χ^2/NDF:6681264.9/54

All: 4619.887+/-0.422 χ^2/NDF: 11072119.2/

cor_asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 2951.706+/-543.099 χ^2/NDF: 16.3/23

Left Out: 1851.888+/-420.006 χ^2/NDF:31.5/24

Right Out: 2029.186+/-506.012 χ^2/NDF: 22.4/29

Left In: 2775.745+/-430.870 χ^2/NDF:25.4/22

Left: 2302.023+/-300.757 χ^2/NDF: 59.3/47

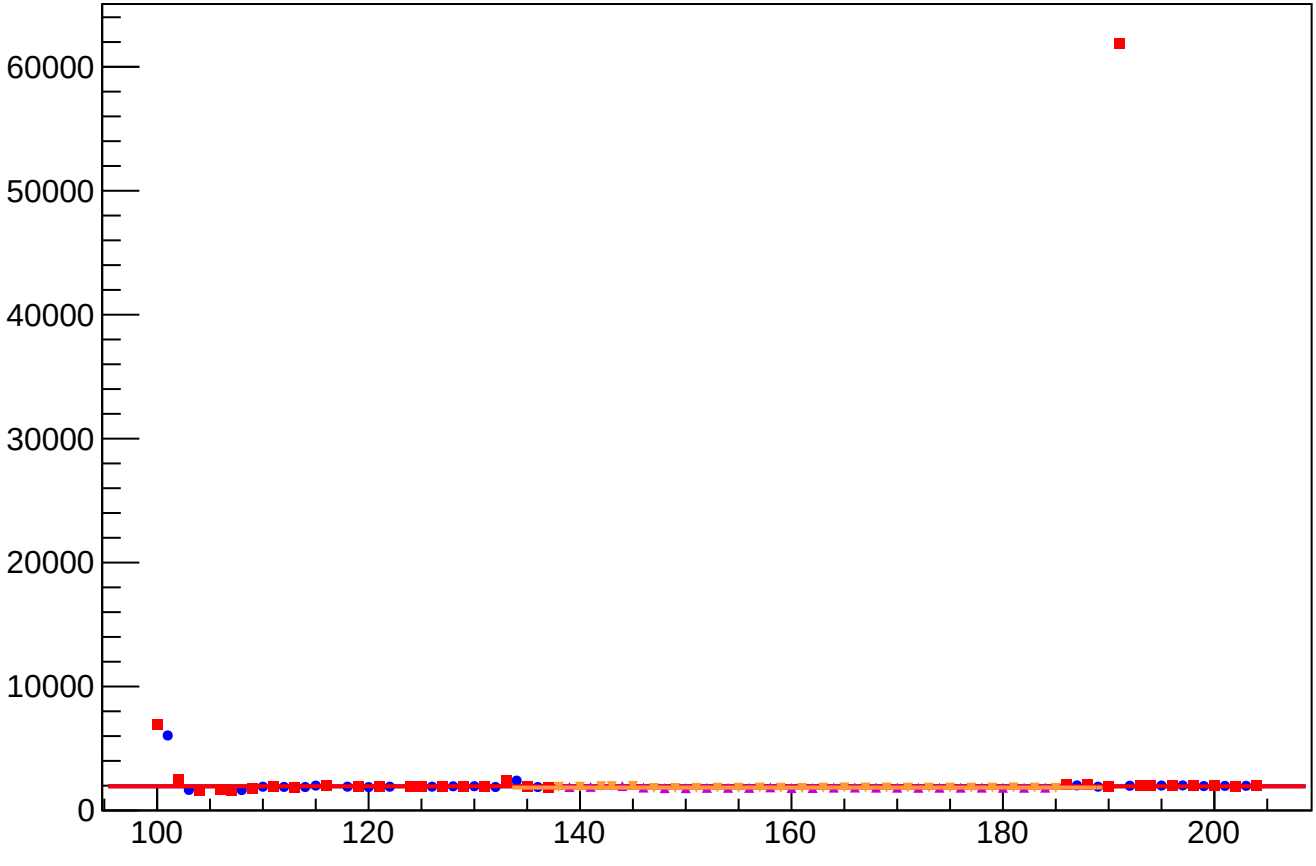
Right: 2457.875+/-370.222 χ^2/NDF: 40.3/53

In: 2843.716+/-337.544 χ^2/NDF:41.8/46

Out: 1924.211+/-323.182 χ^2/NDF:54.0/54

All: 2363.985+/-233.436 χ^2/NDF: 99.7/101

cor_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1949.252+/-0.384 χ^2/NDF: 706957.8/23

Left Out: 1848.522+/-0.297 χ^2/NDF:20886.6/24

Right Out: 1948.818+/-0.358 χ^2/NDF: 396684.6/29

Left In: 1845.061+/-0.305 χ^2/NDF:14026.0/22

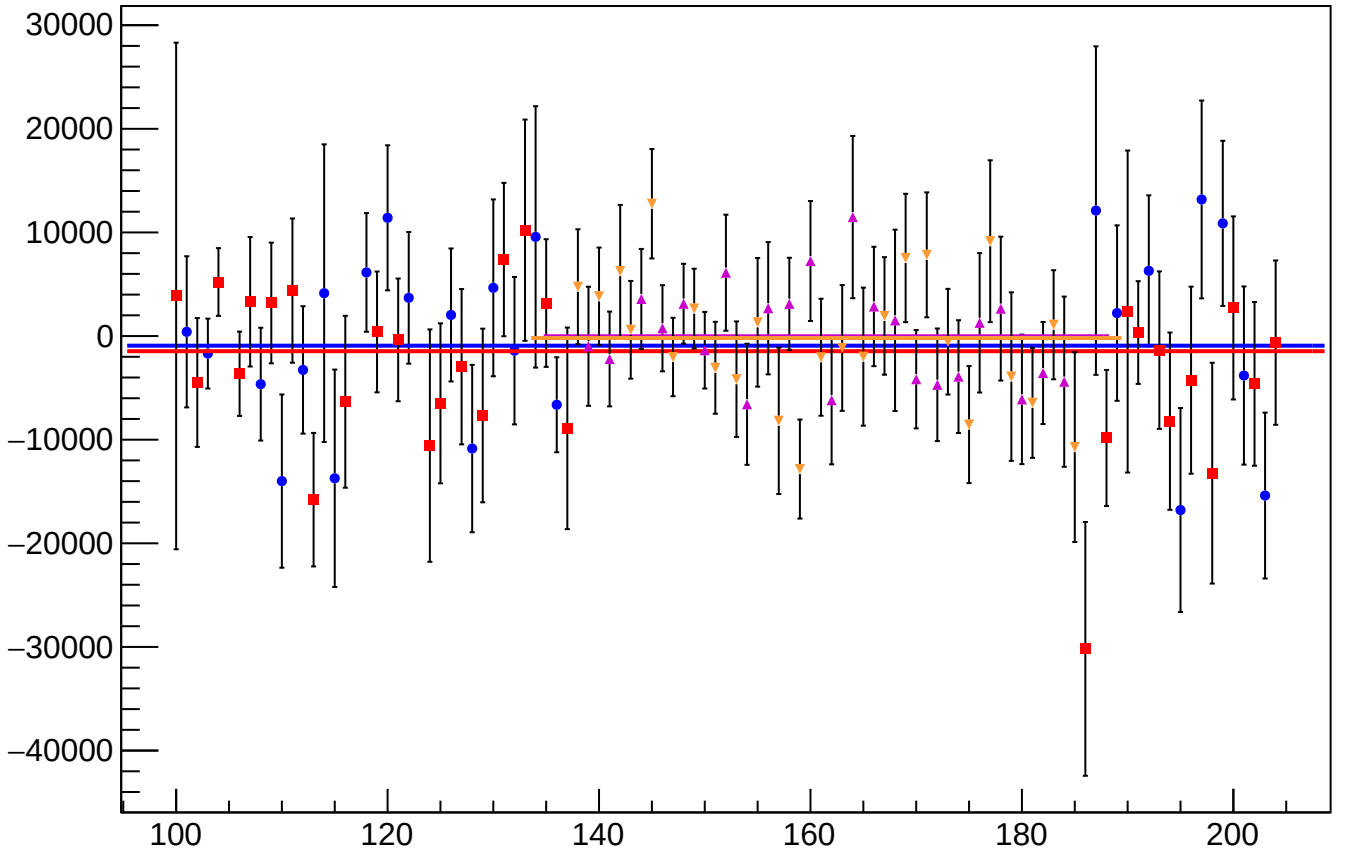
Left: 1846.835+/-0.213 χ^2/NDF: 34978.8/47

Right: 1949.019+/-0.262 χ^2/NDF: 1103643.0/53

In: 1885.308+/-0.239 χ^2/NDF:766158.9/46

Out: 1889.473+/-0.228 χ^2/NDF:464137.5/54

All: 1887.482+/-0.165 χ^2/NDF: 1230455.3/10



Right In: -928.628+/-1413.108 χ^2/NDF: 26.5/23

Left Out: -189.487+/-1088.617 χ^2/NDF:28.9/24

Right Out: -1460.596+/-1244.008 χ^2/NDF: 27.2/29

Left In: -19.431+/-1112.574 χ^2/NDF:13.7/22

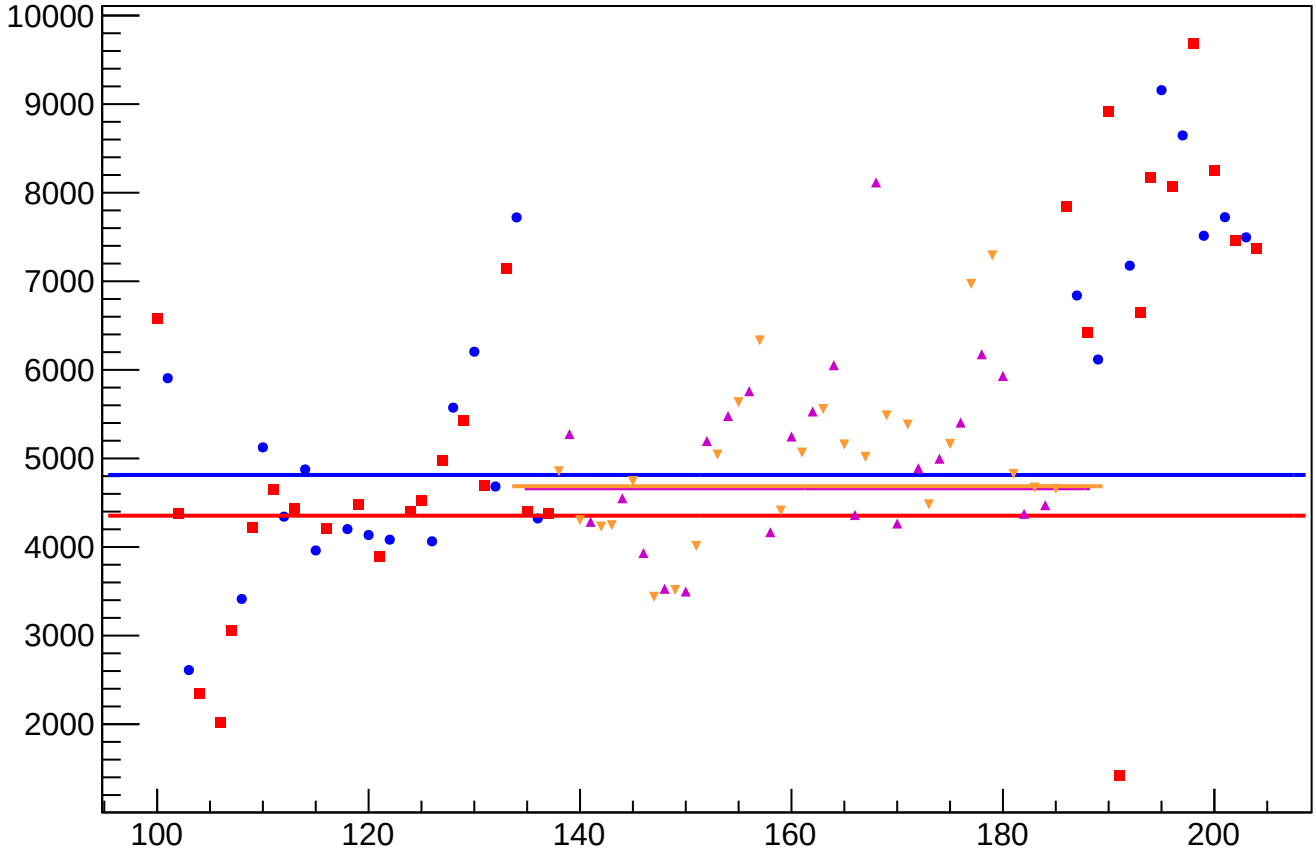
Left: -106.310+/-778.100 χ^2/NDF: 42.7/47

Right: -1228.330+/-933.739 χ^2/NDF: 53.7/53

In: -367.353+/-874.153 χ^2/NDF:40.5/46

Out: -740.739+/-819.232 χ^2/NDF:56.7/54

All: -566.144+/-597.758 χ^2/NDF: 97.3/101



Right In: 4813.612+/-0.999 χ^2/NDF: 3039664.8/23

Left Out: 4686.346+/-0.770 χ^2/NDF:1185089.0/24

Right Out: 4353.865+/-0.880 χ^2/NDF: 5367644.5/29

Left In: 4663.273+/-0.787 χ^2/NDF:1286722.8/22

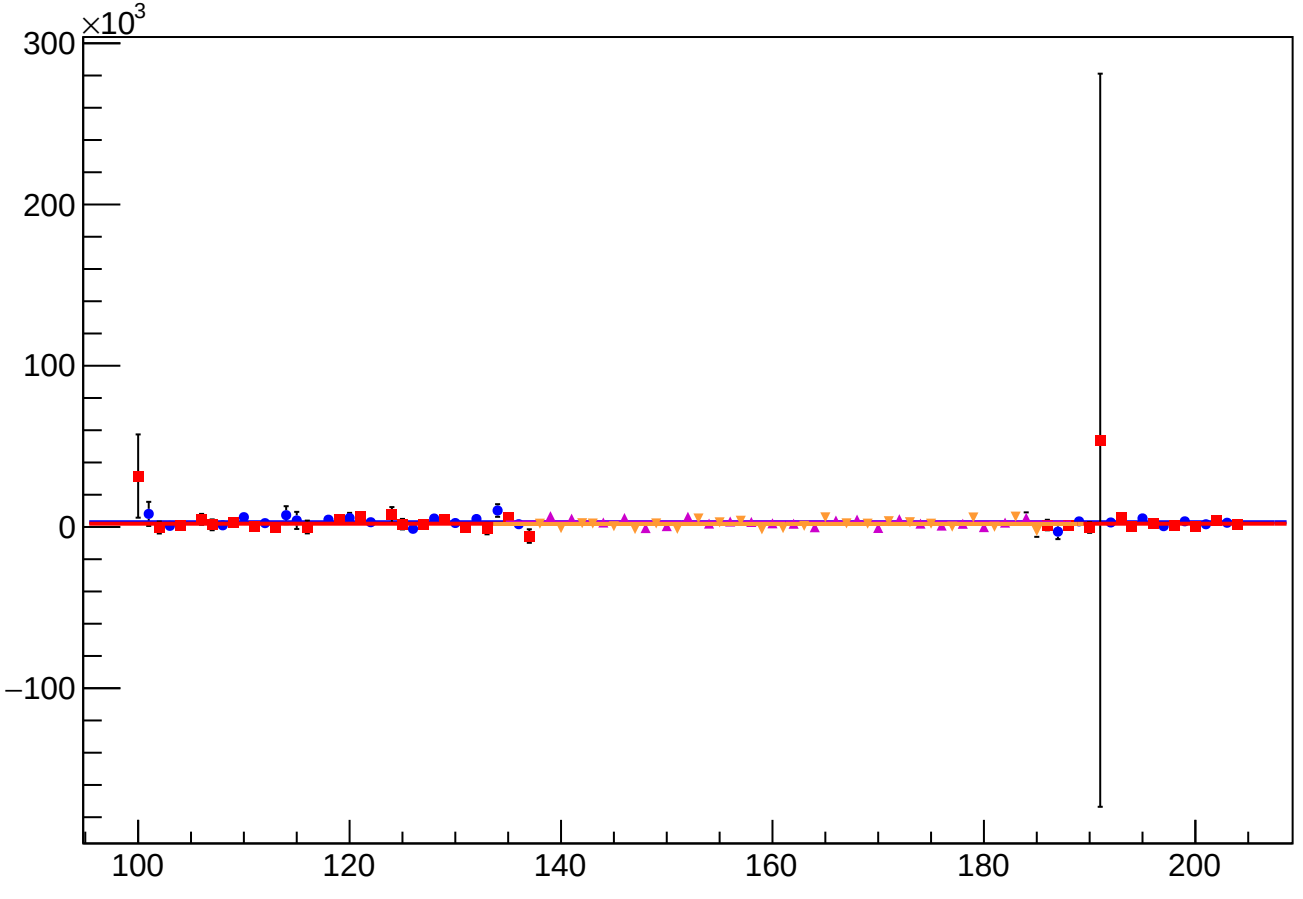
Left: 4675.061+/-0.550 χ^2/NDF: 2472251.2/47

Right: 4554.597+/-0.660 χ^2/NDF: 8526576.6/53

In: 4720.803+/-0.618 χ^2/NDF:4340362.0/46

Out: 4542.156+/-0.579 χ^2/NDF:6633639.7/54

All: 4625.691+/-0.423 χ^2/NDF: 11018473.7/1



Right In: 2951.706+/-543.099 χ^2/NDF: 16.3/23

Left Out: 1851.888+/-420.006 χ^2/NDF:31.5/24

Right Out: 2029.186+/-506.012 χ^2/NDF: 22.4/29

Left In: 2775.745+/-430.870 χ^2/NDF:25.4/22

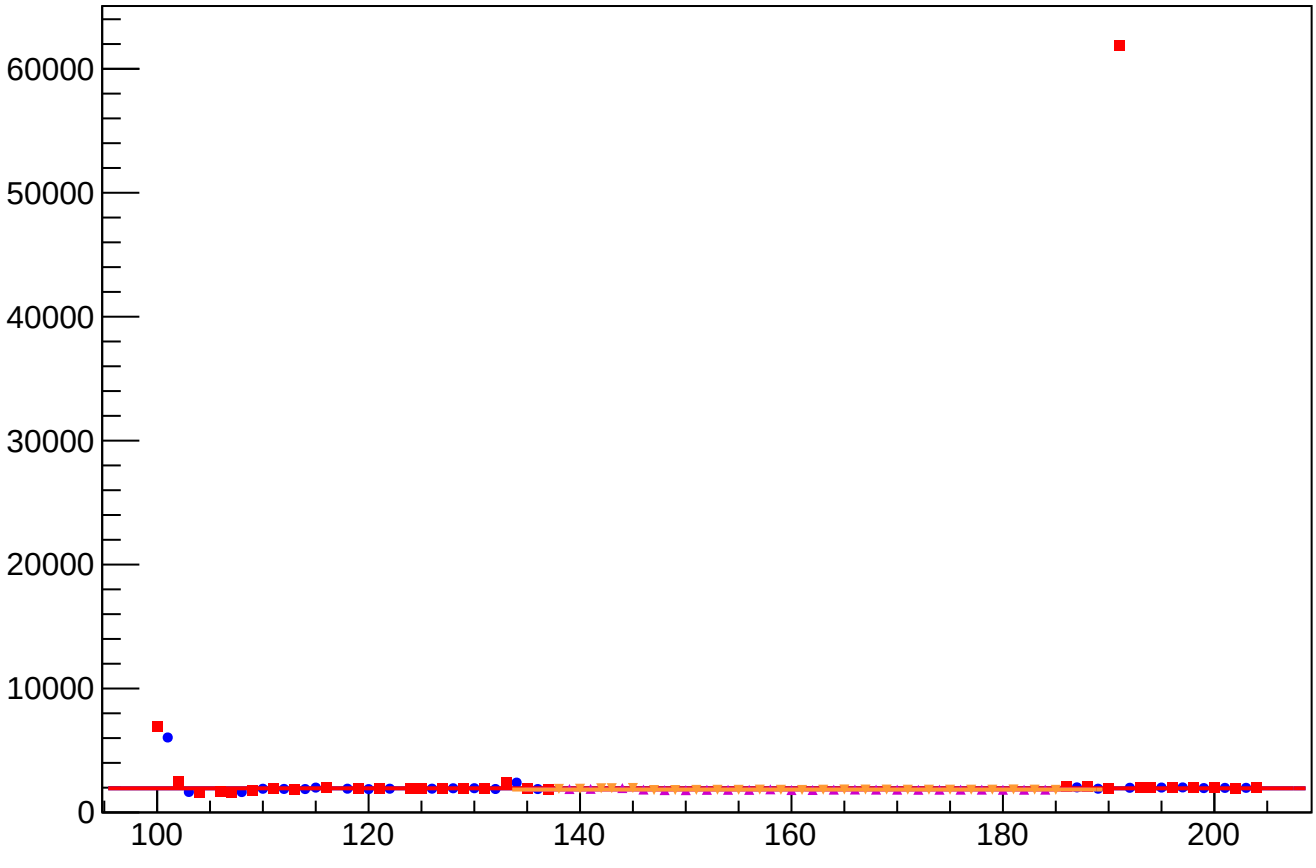
Left: 2302.023+/-300.757 χ^2/NDF: 59.3/47

Right: 2457.875+/-370.222 χ^2/NDF: 40.3/53

In: 2843.716+/-337.544 χ^2/NDF:41.8/46

Out: 1924.211+/-323.182 χ^2/NDF:54.0/54

All: 2363.985+/-233.436 χ^2/NDF: 99.7/101



Right In: 1949.252+/-0.384 χ^2/NDF: 706957.8/23

Left Out: 1848.522+/-0.297 χ^2/NDF:20886.6/24

Right Out: 1948.818+/-0.358 χ^2/NDF: 396684.6/29

Left In: 1845.061+/-0.305 χ^2/NDF:14026.0/22

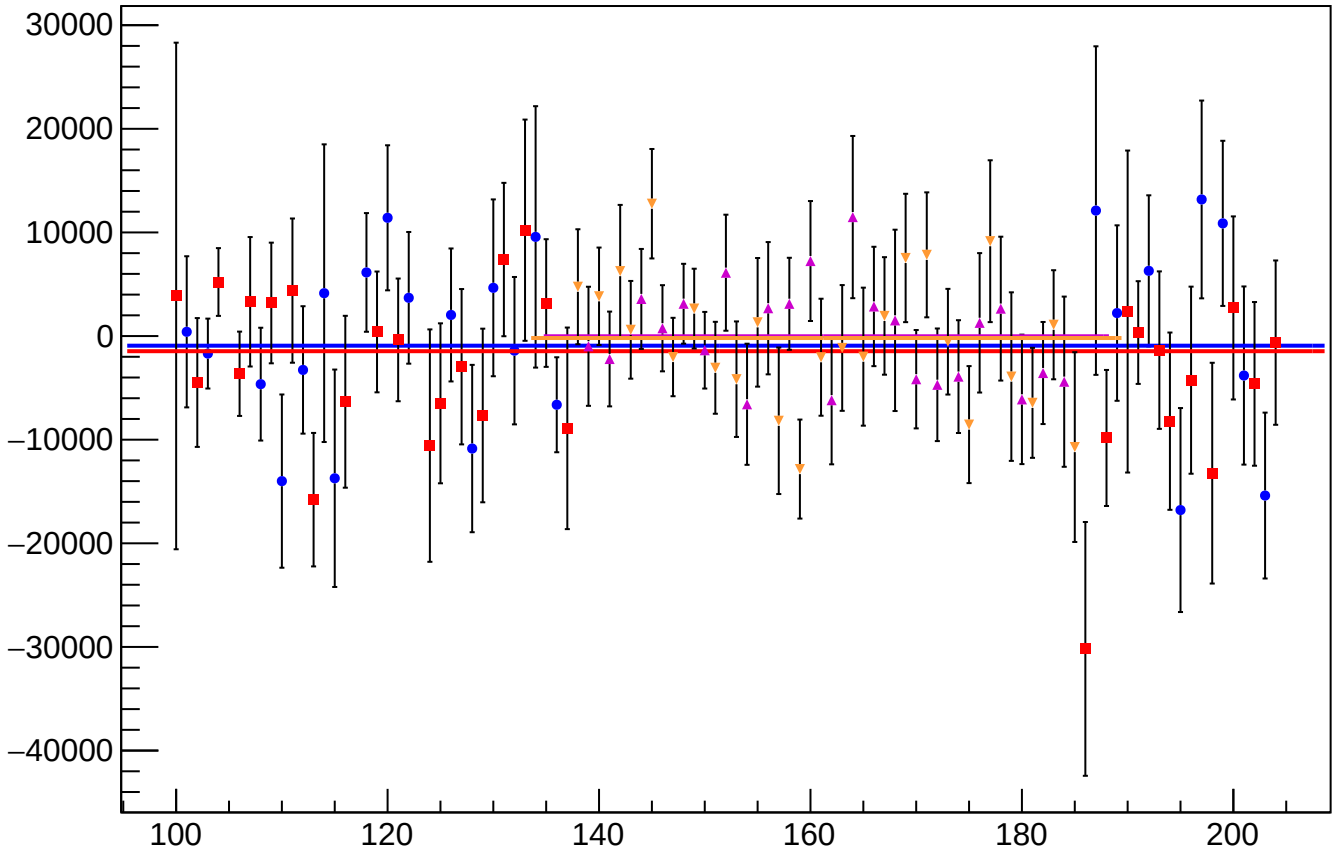
Left: 1846.835+/-0.213 χ^2/NDF: 34978.8/47

Right: 1949.019+/-0.262 χ^2/NDF: 1103643.0/53

In: 1885.308+/-0.239 χ^2/NDF:766158.9/46

Out: 1889.473+/-0.228 χ^2/NDF:464137.5/54

All: 1887.482+/-0.165 χ^2/NDF: 1230455.3/10



Right In: -928.628+/-1413.108 χ^2/NDF: 26.5/23

Left Out: -189.487+/-1088.617 χ^2/NDF:28.9/24

Right Out: -1460.596+/-1244.008 χ^2/NDF: 27.2/29

Left In: -19.431+/-1112.574 χ^2/NDF:13.7/22

Left: -106.310+/-778.100 χ^2/NDF: 42.7/47

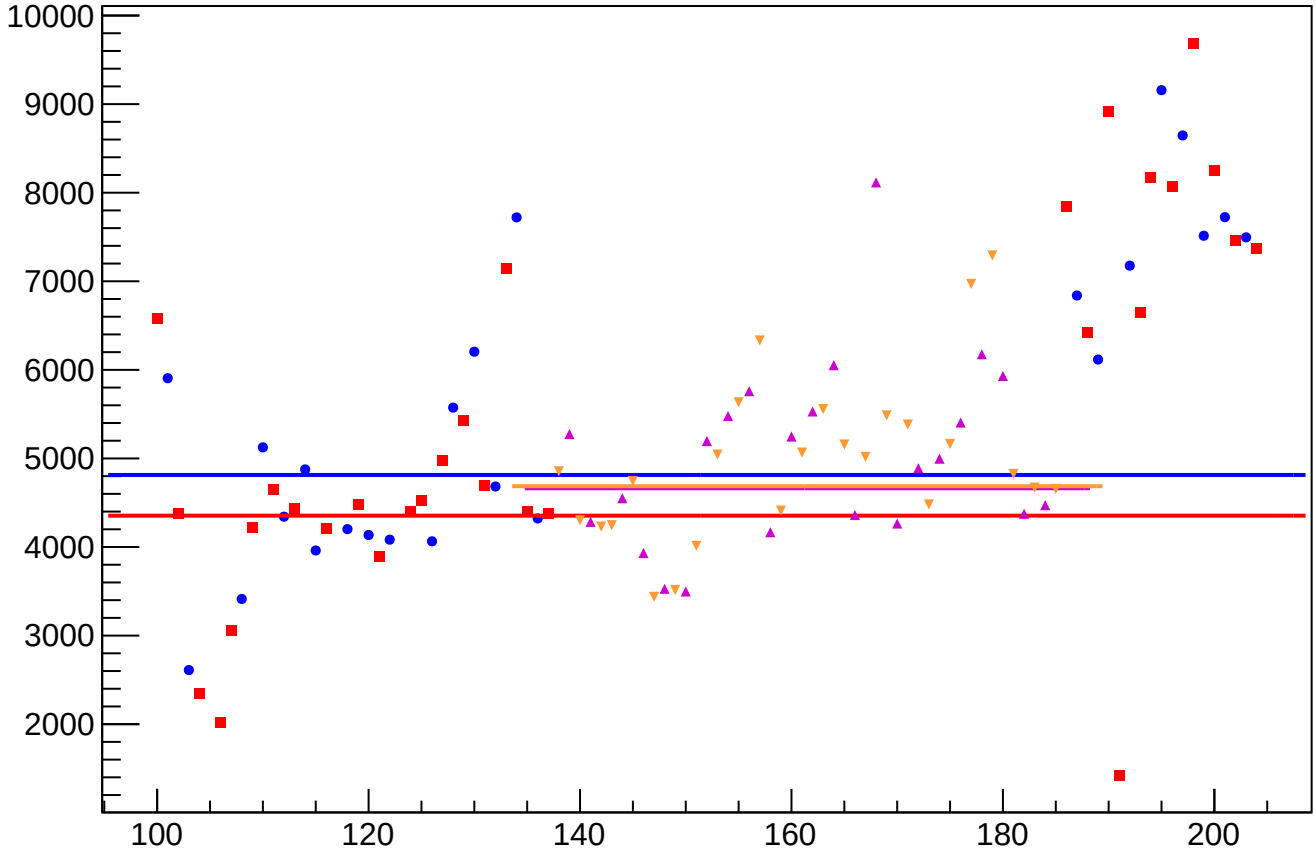
Right: -1228.330+/-933.739 χ^2/NDF: 53.7/53

In: -367.353+/-874.153 χ^2/NDF:40.5/46

Out: -740.739+/-819.232 χ^2/NDF:56.7/54

All: -566.144+/-597.758 χ^2/NDF: 97.3/101

asym_atr_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 4813.612+/-0.999 χ^2/NDF: 3039664.8/23

Left Out: 4686.346+/-0.770 χ^2/NDF:1185089.0/24

Right Out: 4353.865+/-0.880 χ^2/NDF: 5367644.5/29

Left In: 4663.273+/-0.787 χ^2/NDF:1286722.8/22

Left: 4675.061+/-0.550 χ^2/NDF: 2472251.2/47

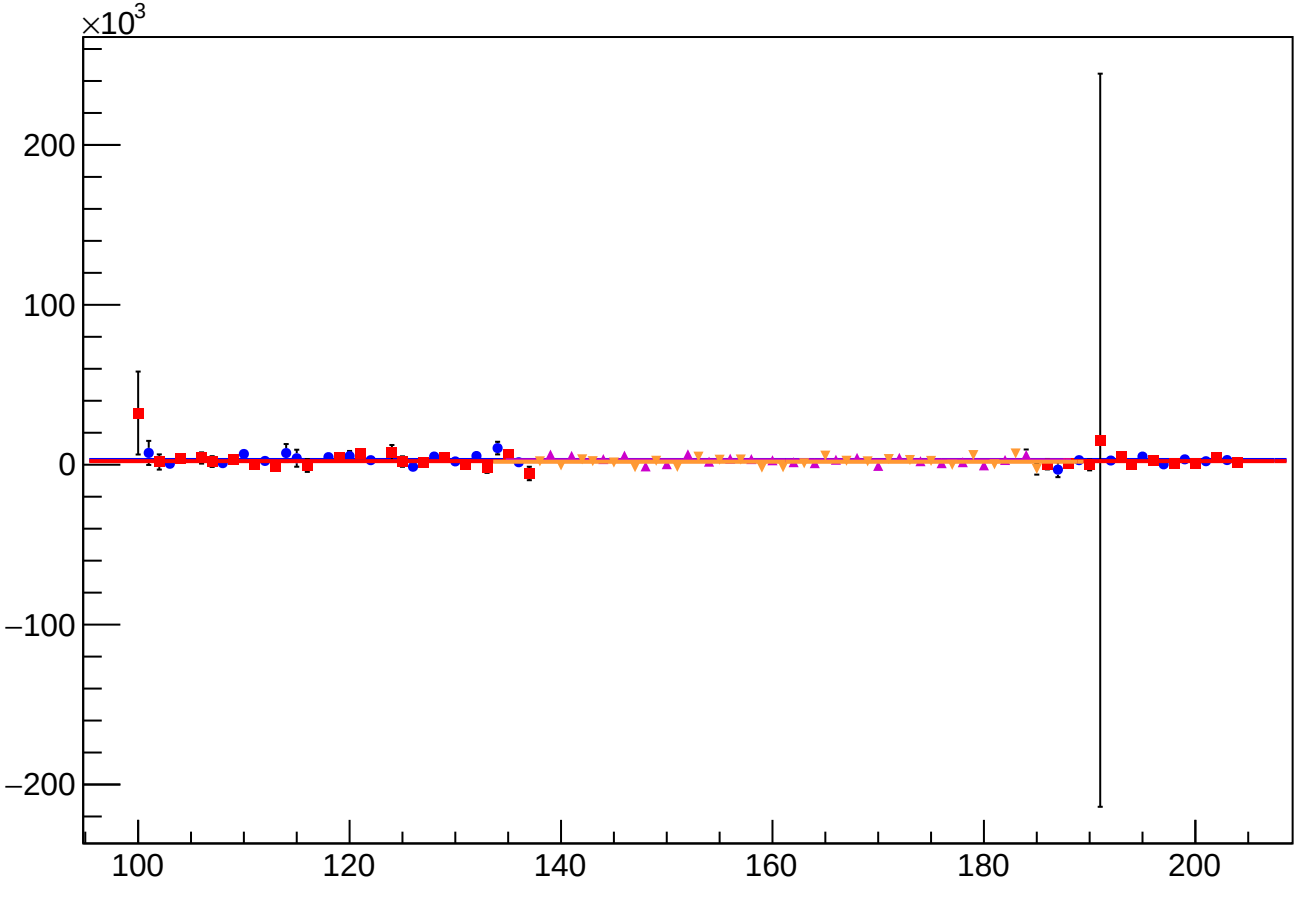
Right: 4554.597+/-0.660 χ^2/NDF: 8526576.6/53

In: 4720.803+/-0.618 χ^2/NDF:4340362.0/46

Out: 4542.156+/-0.579 χ^2/NDF:6633639.7/54

All: 4625.691+/-0.423 χ^2/NDF: 11018473.7/1

dit_asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 2969.064+/-555.776 χ^2/NDF: 16.5/23

Left Out: 1880.927+/-428.980 χ^2/NDF:32.9/24

Right Out: 2238.946+/-518.195 χ^2/NDF: 23.4/29

Left In: 2798.435+/-439.234 χ^2/NDF:25.4/22

Left: 2328.846+/-306.896 χ^2/NDF: 60.6/47

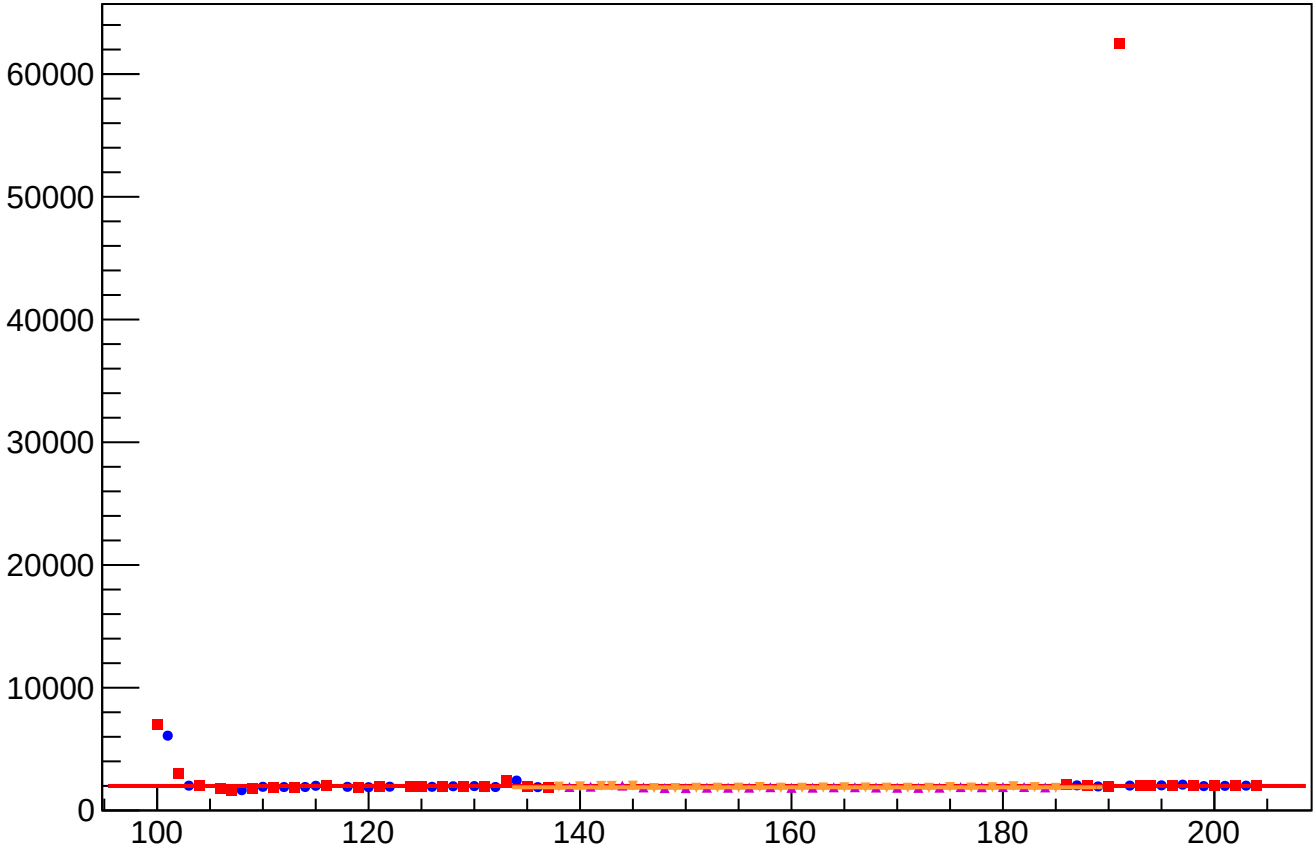
Right: 2578.488+/-379.009 χ^2/NDF: 40.8/53

In: 2864.035+/-344.608 χ^2/NDF:42.0/46

Out: 2026.511+/-330.444 χ^2/NDF:56.6/54

All: 2427.708+/-238.509 χ^2/NDF: 101.7/101

dit_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1995.784+/-0.393 χ^2/NDF: 673552.7/23

Left Out: 1887.545+/-0.303 χ^2/NDF:31955.7/24

Right Out: 1991.631+/-0.366 χ^2/NDF: 417878.4/29

Left In: 1880.575+/-0.311 χ^2/NDF:19037.6/22

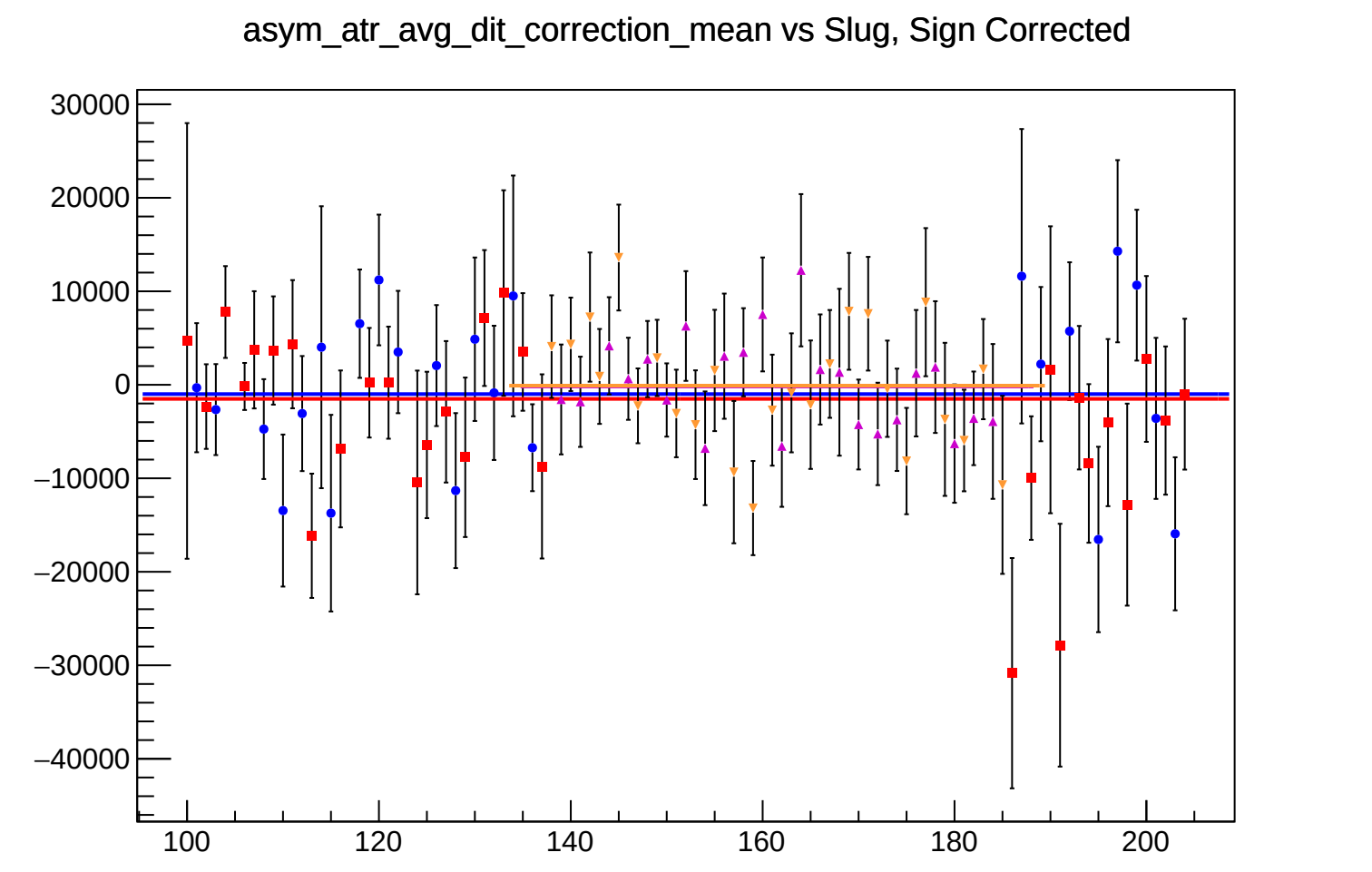
Left: 1884.142+/-0.217 χ^2/NDF: 51251.1/47

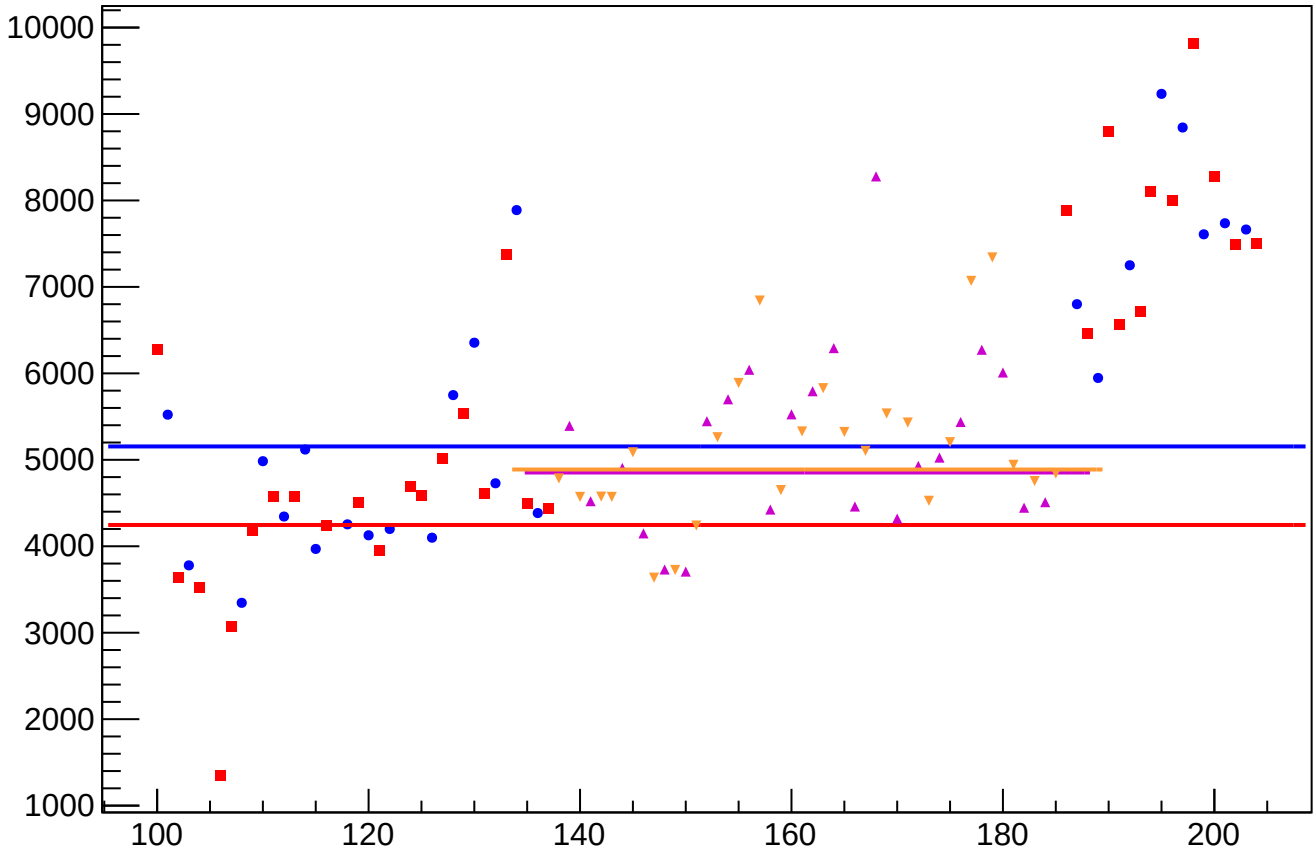
Right: 1993.561+/-0.268 χ^2/NDF: 1091490.9/53

In: 1924.868+/-0.244 χ^2/NDF:745491.3/46

Out: 1929.892+/-0.234 χ^2/NDF:497737.6/54

All: 1927.486+/-0.169 χ^2/NDF: 1243450.4/10


asym_atr_avg_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
Right In: -992.100+/-1487.824 χ²/NDF: 26.3/23
Left Out: -91.889+/-1133.233 χ²/NDF:28.1/24
Right Out: -1508.380+/-1218.571 χ²/NDF: 30.4/29
Left In: -177.137+/-1156.061 χ²/NDF:13.5/22
Left: -133.663+/-809.267 χ²/NDF: 41.6/47
Right: -1301.100+/-942.730 χ²/NDF: 56.8/53
In: -483.940+/-912.876 χ²/NDF:40.1/46
Out: -748.804+/-829.847 χ²/NDF:59.3/54
All: -628.962+/-614.051 χ²/NDF: 99.4/101



Right In: 5154.647+/-1.052 χ^2/NDF: 2223388.2/23

Left Out: 4887.823+/-0.801 χ^2/NDF:1063298.6/24

Right Out: 4246.229+/-0.862 χ^2/NDF: 6304139.2/29

Left In: 4853.363+/-0.817 χ^2/NDF:1178636.9/22

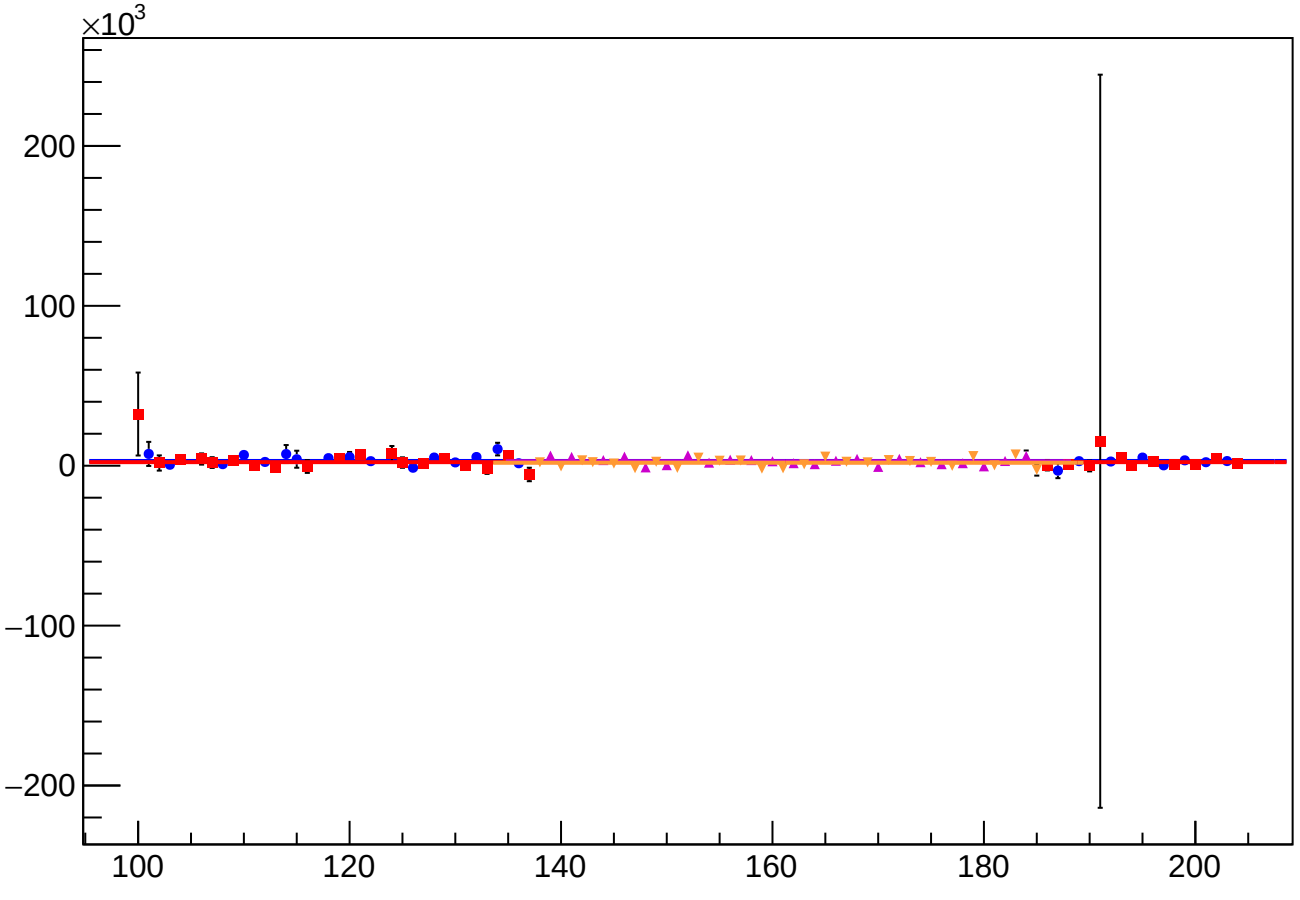
Left: 4870.937+/-0.572 χ^2/NDF: 2242841.7/47

Right: 4610.947+/-0.667 χ^2/NDF: 8973770.4/53

In: 4966.785+/-0.646 χ^2/NDF:3453162.7/46

Out: 4590.276+/-0.587 χ^2/NDF:7664745.7/54

All: 4760.633+/-0.434 χ^2/NDF: 11304189.3/1



Right In: 2969.064+/-555.776 χ^2/NDF: 16.5/23

Left Out: 1880.922+/-428.981 χ^2/NDF:32.9/24

Right Out: 2238.946+/-518.195 χ^2/NDF: 23.4/29

Left In: 2798.435+/-439.234 χ^2/NDF:25.4/22

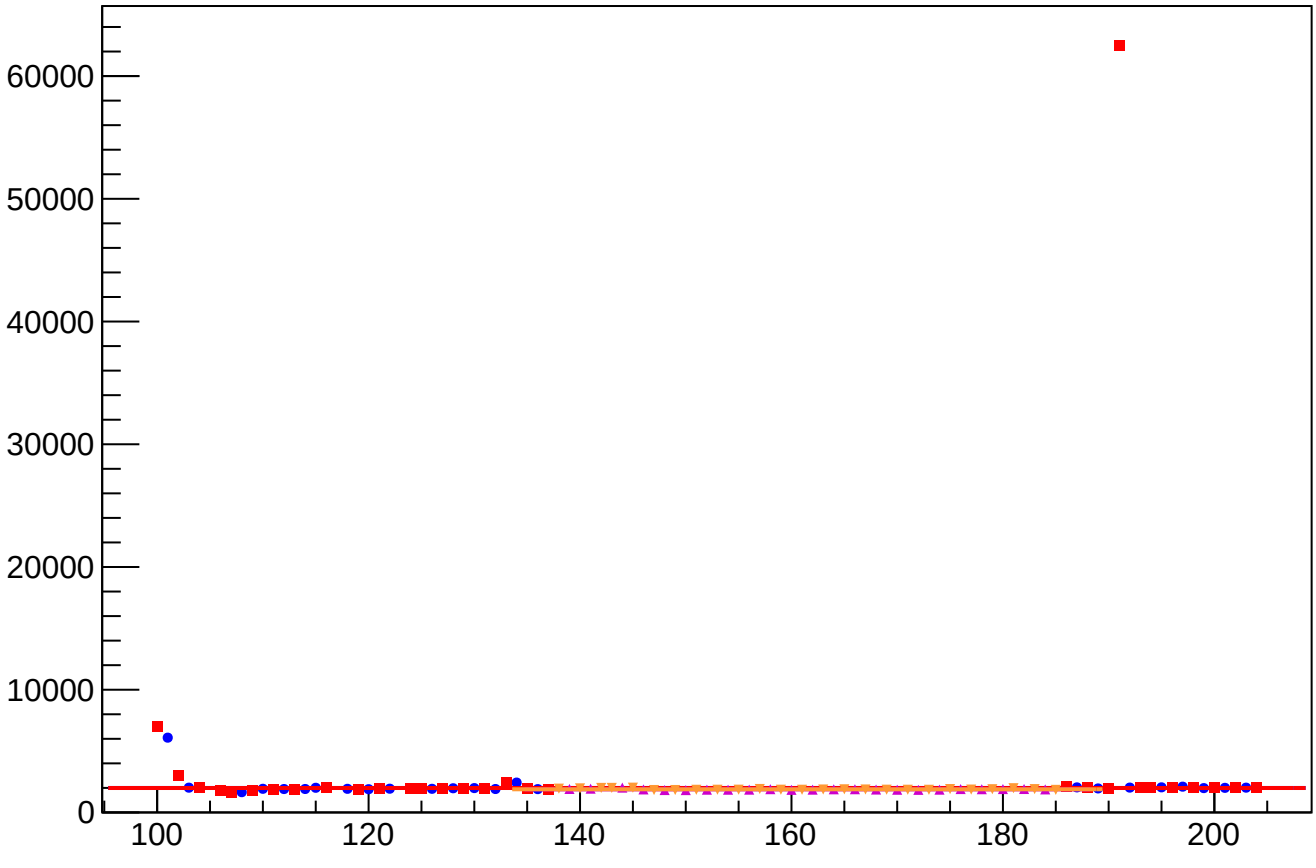
Left: 2328.844+/-306.896 χ^2/NDF: 60.6/47

Right: 2578.488+/-379.009 χ^2/NDF: 40.8/53

In: 2864.035+/-344.608 χ^2/NDF:42.0/46

Out: 2026.508+/-330.444 χ^2/NDF:56.6/54

All: 2427.706+/-238.509 χ^2/NDF: 101.7/101



Right In: 1995.784+/-0.393 χ^2/NDF: 673552.8/23

Left Out: 1887.546+/-0.303 χ^2/NDF:31955.8/24

Right Out: 1991.630+/-0.366 χ^2/NDF: 417877.9/29

Left In: 1880.576+/-0.311 χ^2/NDF:19037.6/22

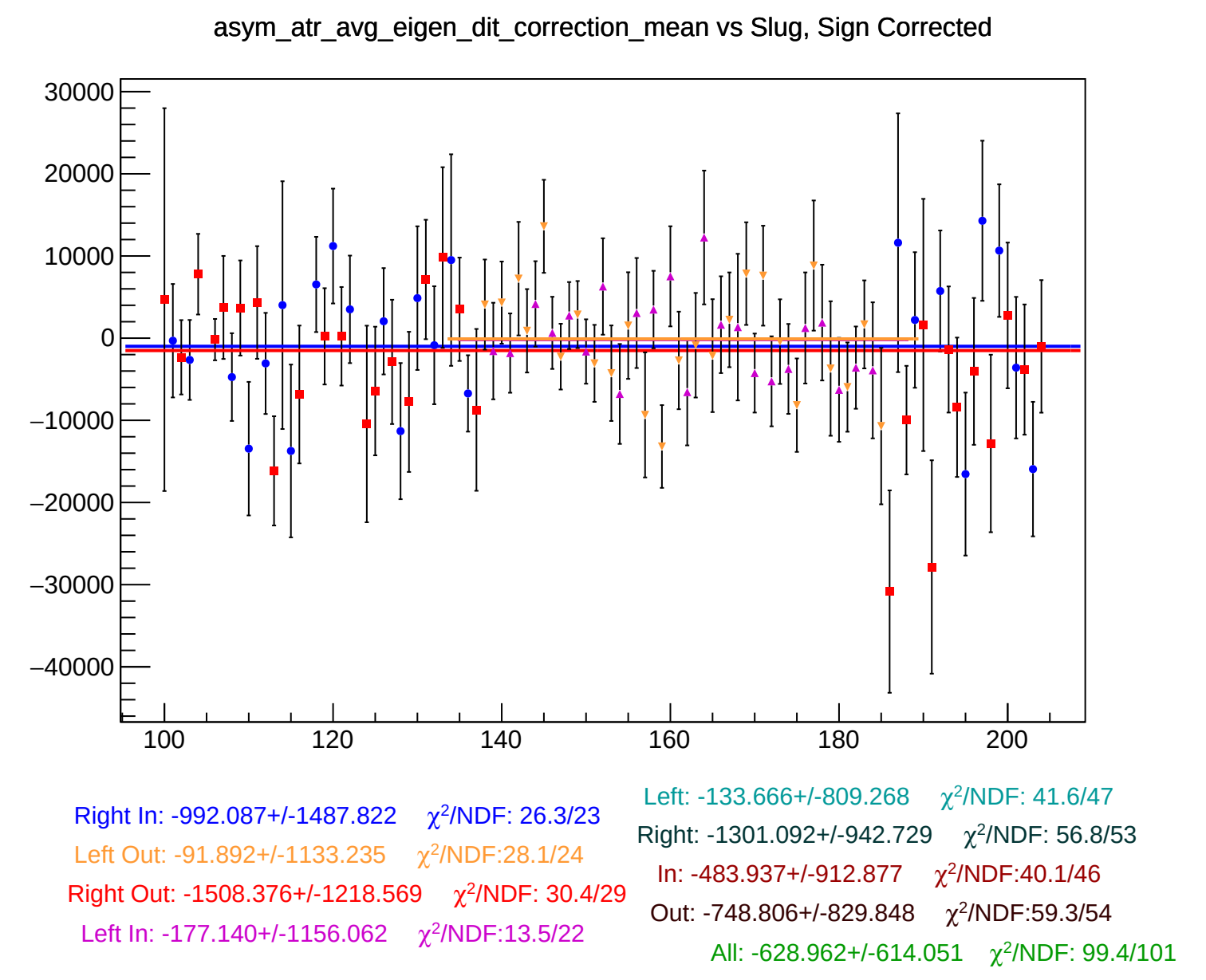
Left: 1884.143+/-0.217 χ^2/NDF: 51251.1/47

Right: 1993.561+/-0.268 χ^2/NDF: 1091490.6/53

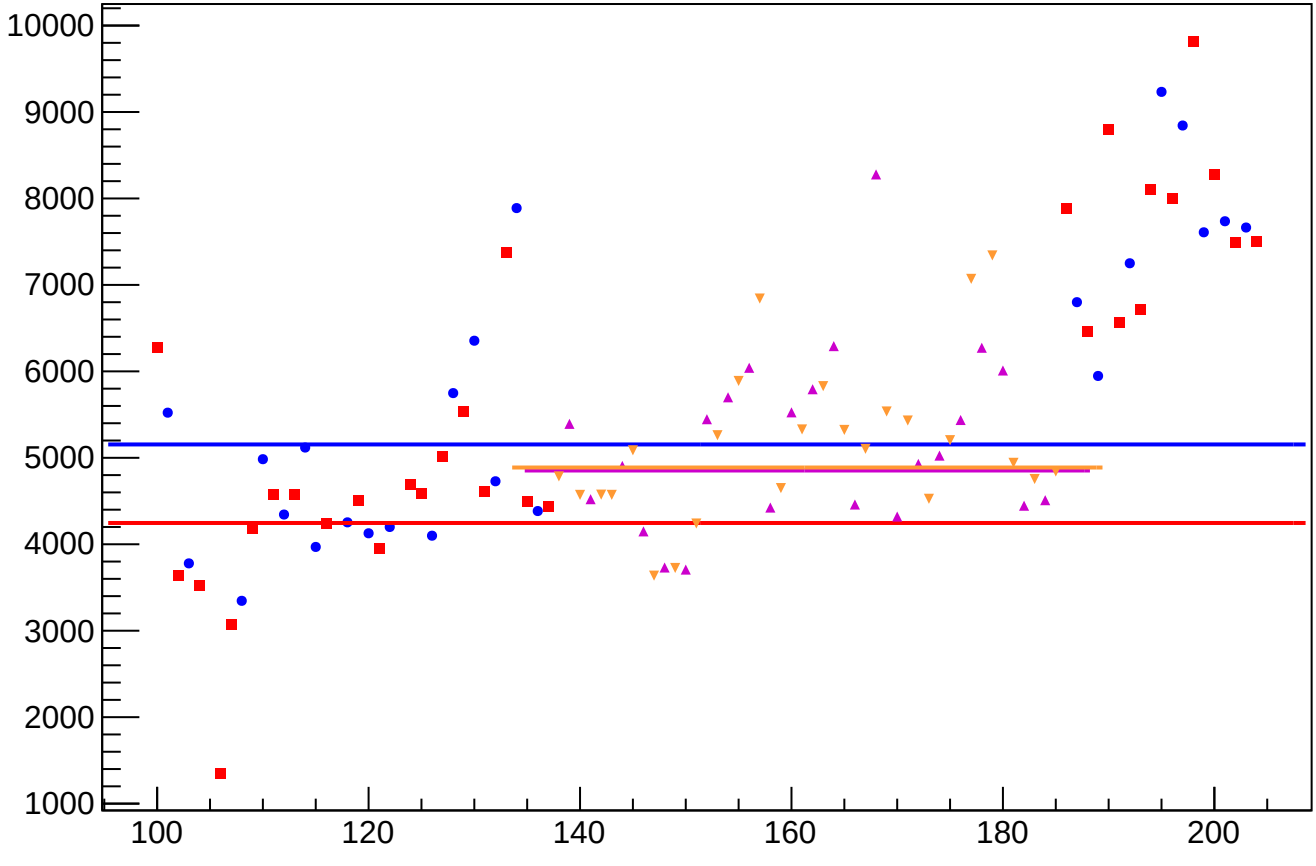
In: 1924.869+/-0.244 χ^2/NDF:745490.6/46

Out: 1929.892+/-0.234 χ^2/NDF:497736.6/54

All: 1927.486+/-0.169 χ^2/NDF: 1243448.6/10


asym_atr_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
Right In: -992.087+/-1487.822 χ²/NDF: 26.3/23
Left Out: -91.892+/-1133.235 χ²/NDF:28.1/24
Right Out: -1508.376+/-1218.569 χ²/NDF: 30.4/29
Left In: -177.140+/-1156.062 χ²/NDF:13.5/22
Left: -133.666+/-809.268 χ²/NDF: 41.6/47
Right: -1301.092+/-942.729 χ²/NDF: 56.8/53
In: -483.937+/-912.877 χ²/NDF:40.1/46
Out: -748.806+/-829.848 χ²/NDF:59.3/54
All: -628.962+/-614.051 χ²/NDF: 99.4/101

asym_atr_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 5154.640+/-1.052 χ^2/NDF: 2223402.8/23

Left Out: 4887.830+/-0.801 χ^2/NDF:1063300.0/24

Right Out: 4246.220+/-0.862 χ^2/NDF: 6304170.3/29

Left In: 4853.371+/-0.817 χ^2/NDF:1178639.4/22

Left: 4870.944+/-0.572 χ^2/NDF: 2242845.7/47

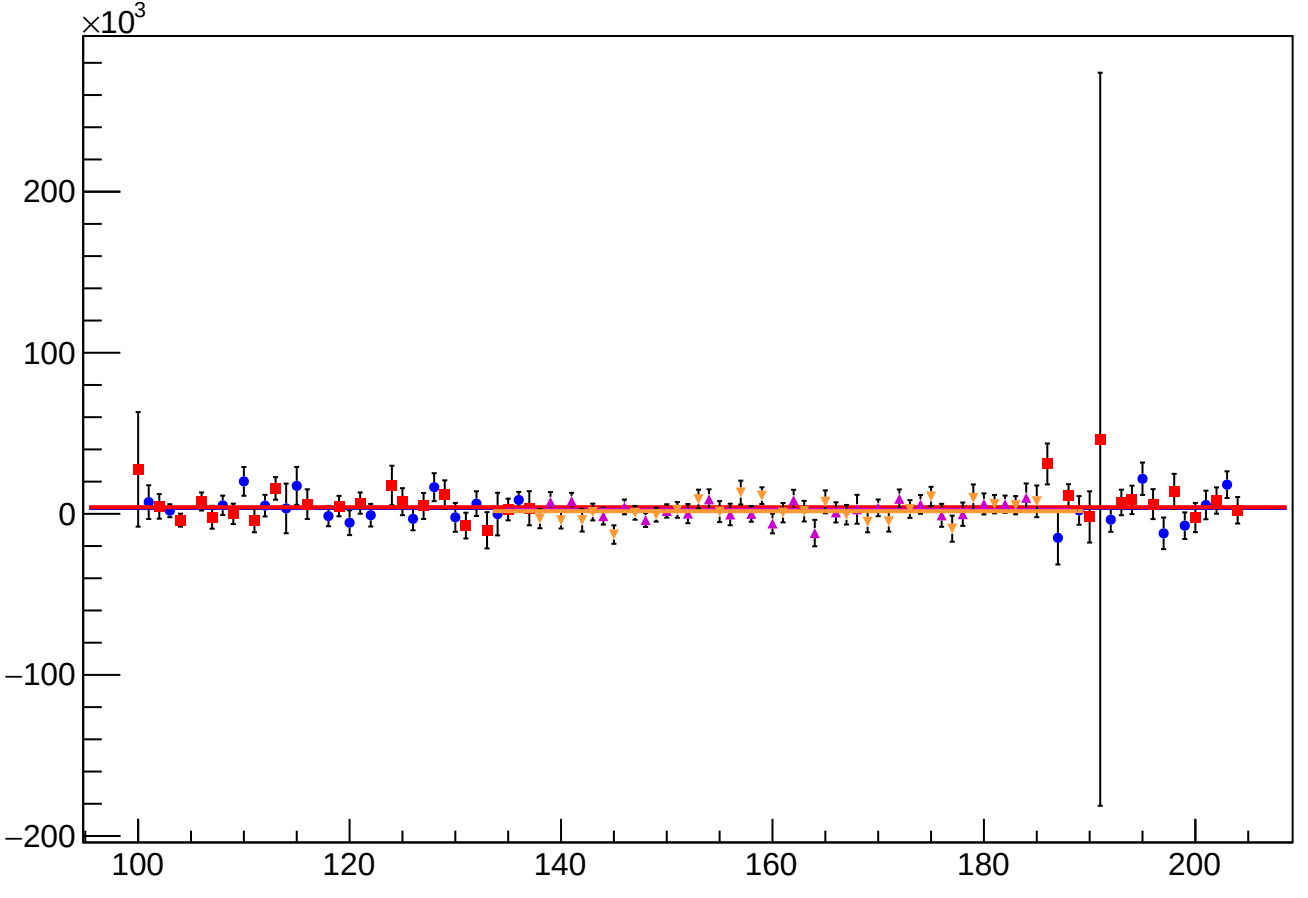
Right: 4610.939+/-0.667 χ^2/NDF: 8973820.1/53

In: 4966.787+/-0.646 χ^2/NDF:3453175.2/46

Out: 4590.275+/-0.587 χ^2/NDF:7664794.0/54

All: 4760.633+/-0.434 χ^2/NDF: 11304253.7/1

asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 3635.864+/-1560.028 χ^2/NDF: 25.3/23

Left Out: 1654.615+/-1178.652 χ^2/NDF:26.0/24

Right Out: 4104.168+/-1443.994 χ^2/NDF: 23.9/29

Left In: 2563.603+/-1204.450 χ^2/NDF:16.0/22

Left: 2099.270+/-842.406 χ^2/NDF: 42.2/47

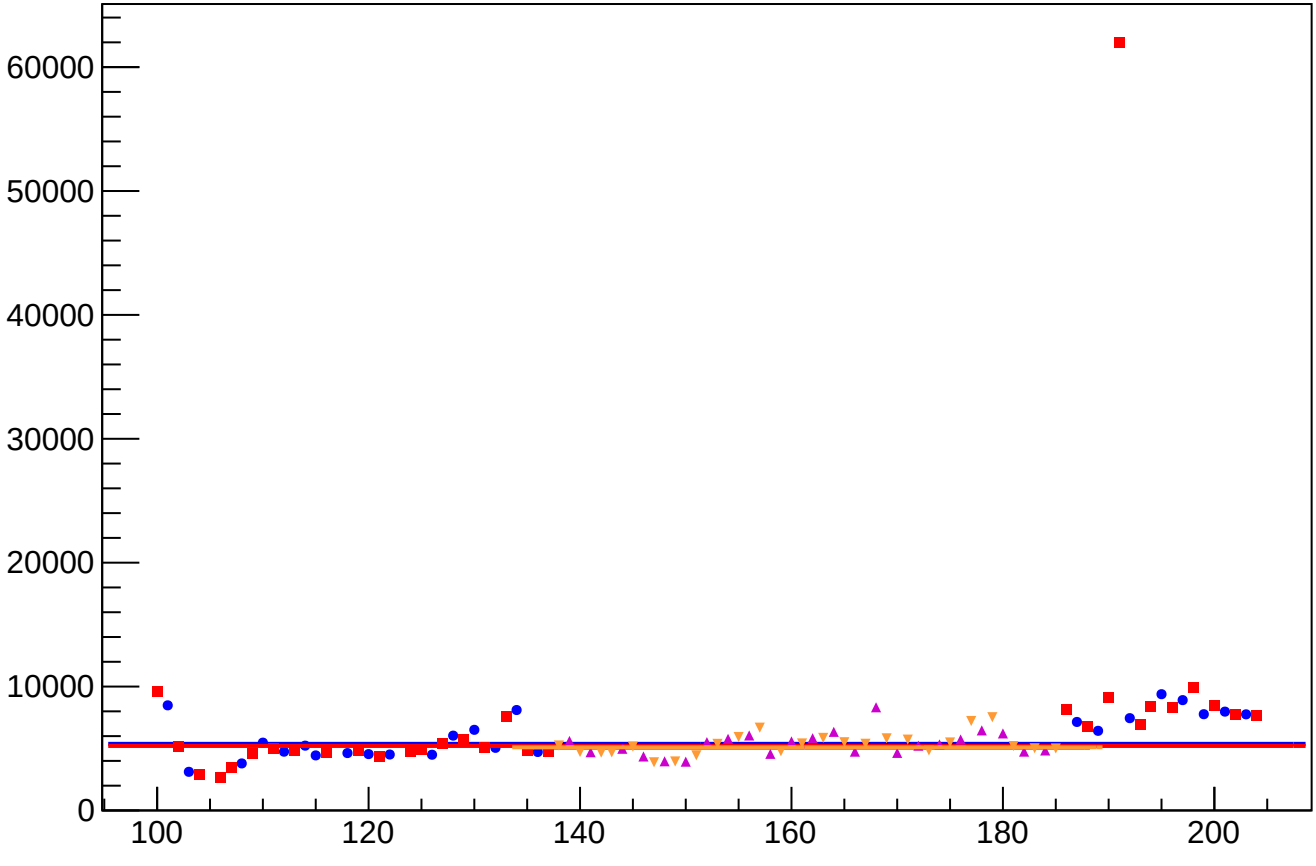
Right: 3888.078+/-1059.707 χ^2/NDF: 49.2/53

In: 2964.060+/-953.367 χ^2/NDF:41.5/46

Out: 2634.073+/-913.093 χ^2/NDF:51.6/54

All: 2791.950+/-659.432 χ^2/NDF: 93.2/101

asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 5376.351+/-1.103 χ^2/NDF: 2532566.1/23

Left Out: 5100.641+/-0.833 χ^2/NDF:909330.5/24

Right Out: 5206.052+/-1.014 χ^2/NDF: 3545581.8/29

Left In: 5073.543+/-0.852 χ^2/NDF:991915.5/22

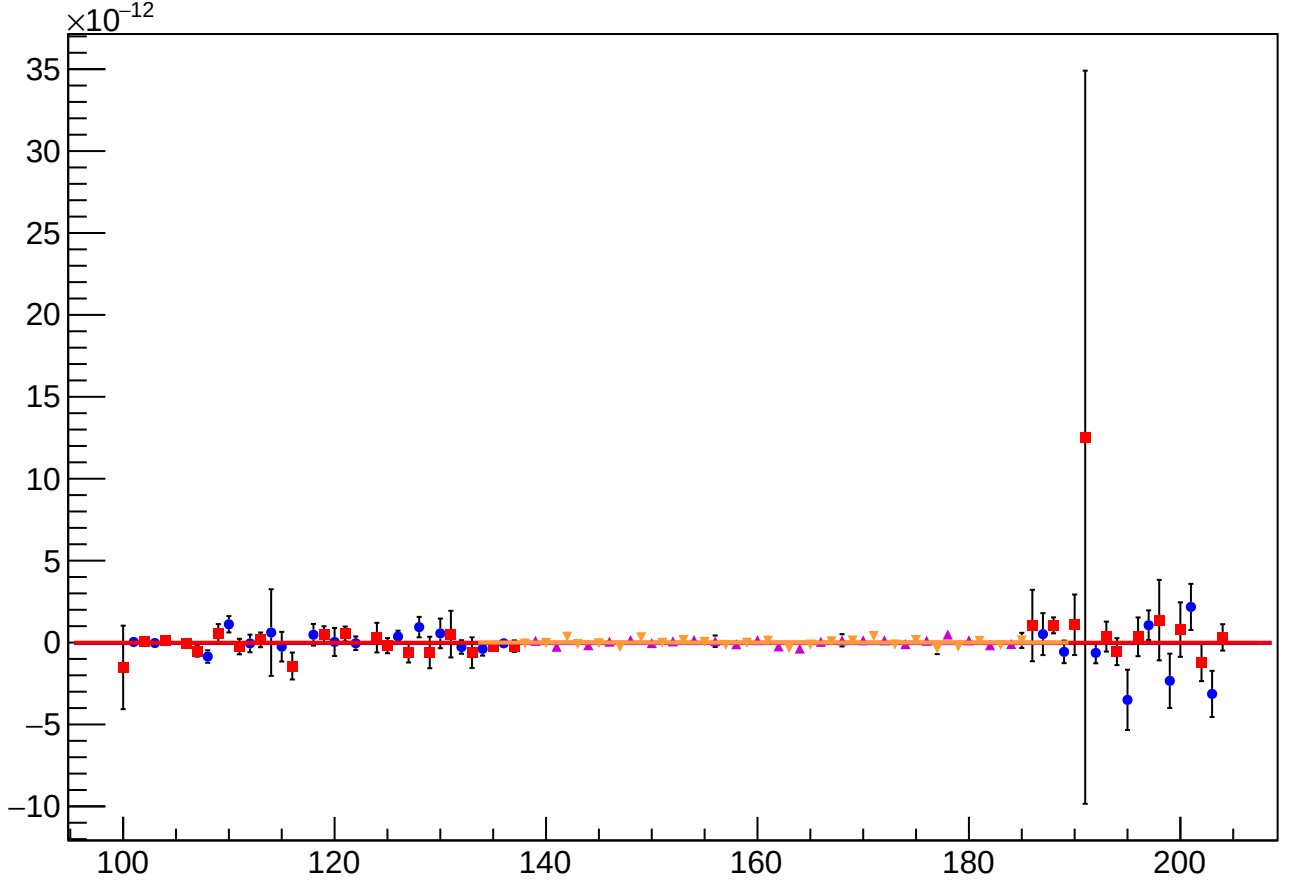
Left: 5087.385+/-0.596 χ^2/NDF: 1901763.2/47

Right: 5284.083+/-0.747 χ^2/NDF: 6091061.0/53

In: 5186.632+/-0.674 χ^2/NDF:3571692.6/46

Out: 5143.119+/-0.644 χ^2/NDF:4461358.6/54

All: 5163.881+/-0.466 χ^2/NDF: 8035229.7/10



Right In: -0.000+/-0.000 χ^2/NDF: 31.9/23

Left Out: 0.000+/-0.000 χ^2/NDF:33.3/24

Right Out: -0.000+/-0.000 χ^2/NDF: 23.3/29

Left In: -0.000+/-0.000 χ^2/NDF:32.4/22

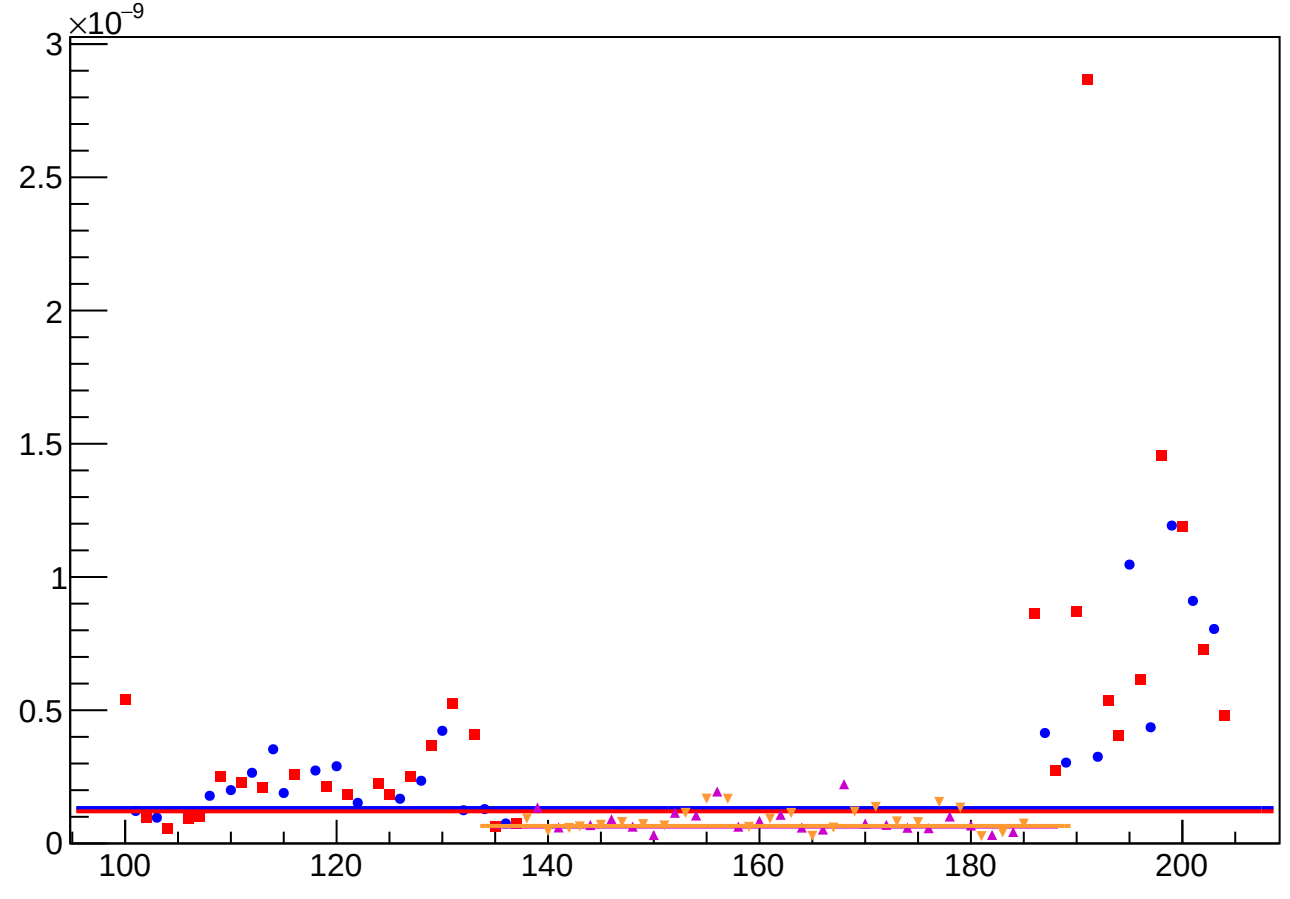
Left: -0.000+/-0.000 χ^2/NDF: 65.9/47

Right: -0.000+/-0.000 χ^2/NDF: 55.2/53

In: -0.000+/-0.000 χ^2/NDF:64.3/46

Out: -0.000+/-0.000 χ^2/NDF:56.5/54

All: -0.000+/-0.000 χ^2/NDF: 121.2/101



Right In: 0.000+/-0.000 χ^2/NDF: 4193274.1/23

Left Out: 0.000+/-0.000 χ^2/NDF:2472657.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6164920.0/29

Left In: 0.000+/-0.000 χ^2/NDF:2196878.1/22

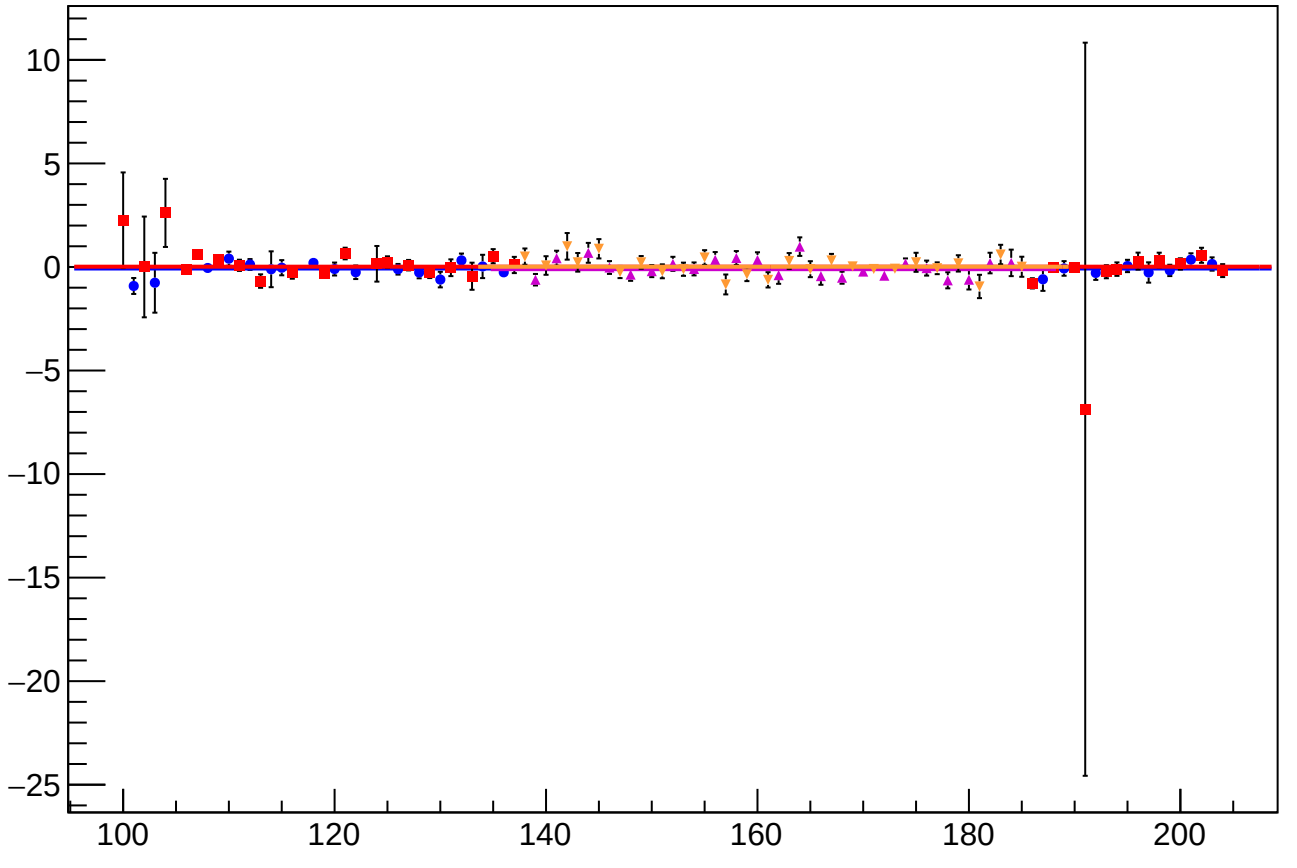
Left: 0.000+/-0.000 χ^2/NDF: 4678116.7/47

Right: 0.000+/-0.000 χ^2/NDF: 10386665.4/53

In: 0.000+/-0.000 χ^2/NDF:7955107.9/46

Out: 0.000+/-0.000 χ^2/NDF:9685436.9/54

All: 0.000+/-0.000 χ^2/NDF: 17643068.5/101



Right In: -0.074+/-0.065 χ^2/NDF: 18.0/23

Left Out: 0.012+/-0.068 χ^2/NDF:25.2/24

Right Out: 0.014+/-0.053 χ^2/NDF: 45.0/29

Left In: -0.105+/-0.069 χ^2/NDF:31.4/22

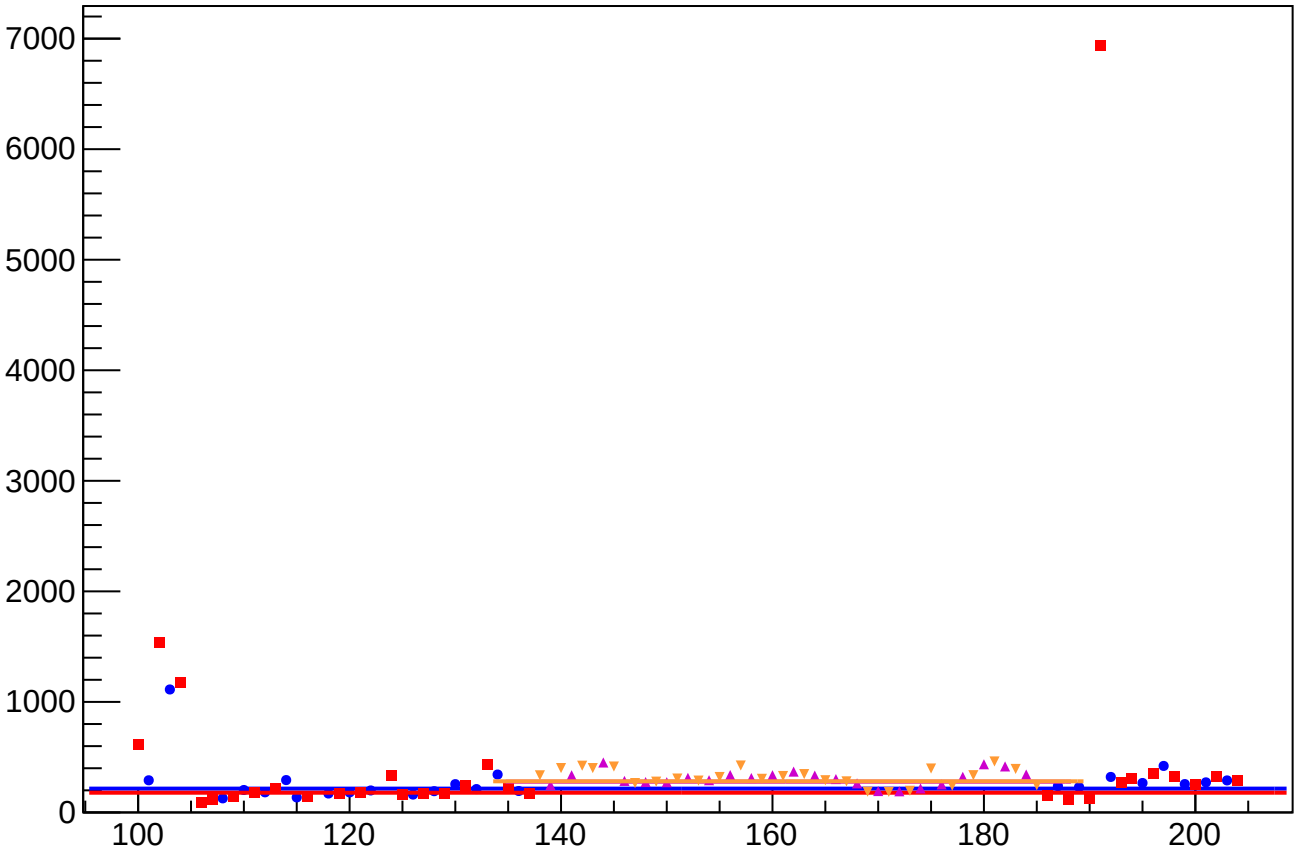
Left: -0.046+/-0.048 χ^2/NDF: 58.1/47

Right: -0.021+/-0.041 χ^2/NDF: 64.1/53

In: -0.088+/-0.047 χ^2/NDF:49.6/46

Out: 0.013+/-0.042 χ^2/NDF:70.2/54

All: -0.032+/-0.031 χ^2/NDF: 122.3/101



Right In: 215.639+/-0.046 χ^2/NDF: 2527016.2/23

Left Out: 281.818+/-0.048 χ^2/NDF:2520824.2/24

Right Out: 178.573+/-0.037 χ^2/NDF: 5415428.8/29

Left In: 278.409+/-0.049 χ^2/NDF:1799690.4/22

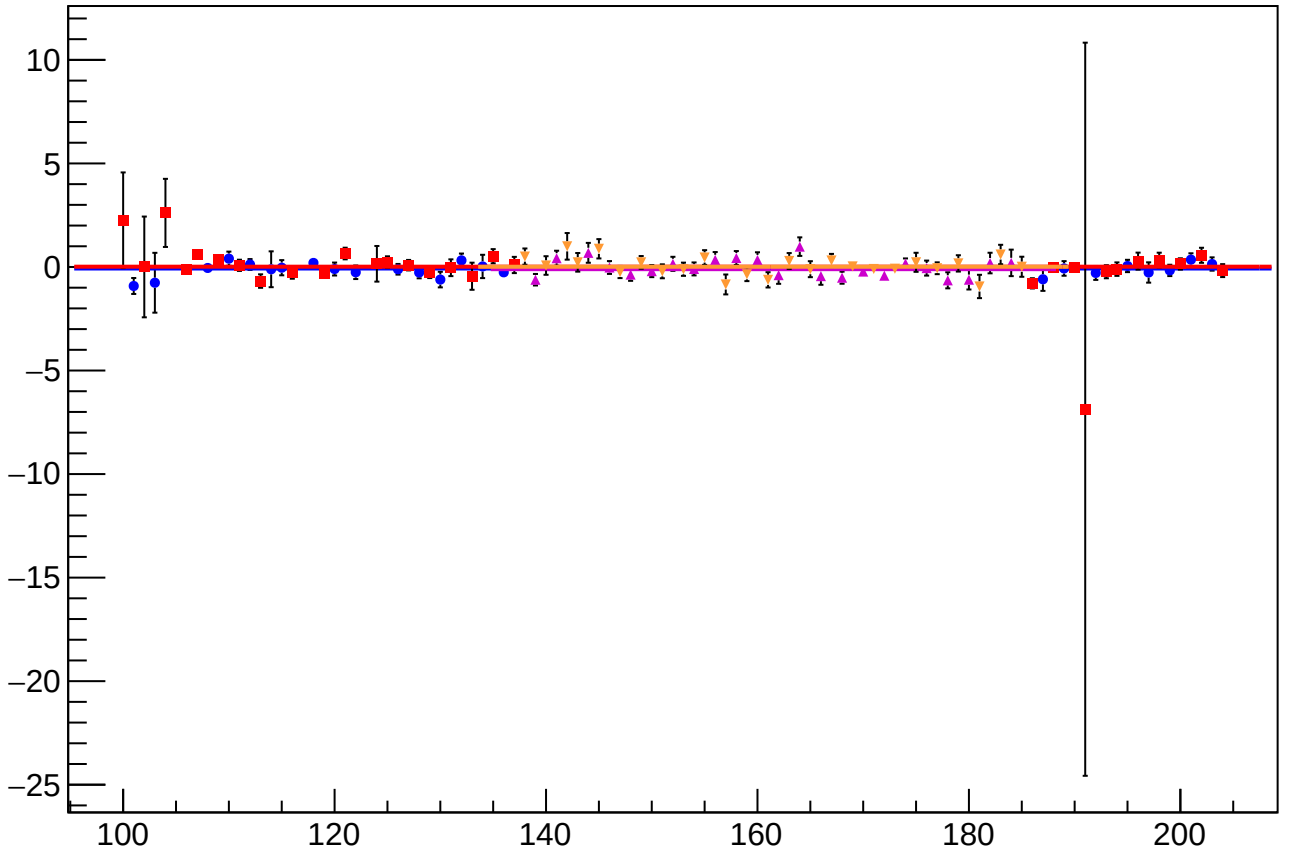
Left: 280.127+/-0.034 χ^2/NDF: 4323003.2/47

Right: 193.390+/-0.029 χ^2/NDF: 8336425.2/53

In: 245.192+/-0.033 χ^2/NDF:5212915.9/46

Out: 217.374+/-0.029 χ^2/NDF:10810100.9/54

All: 229.612+/-0.022 χ^2/NDF: 16414274.7/10



Right In: -0.074+/-0.065 χ^2/NDF: 18.0/23

Left Out: 0.012+/-0.068 χ^2/NDF:25.2/24

Right Out: 0.014+/-0.053 χ^2/NDF: 45.0/29

Left In: -0.105+/-0.069 χ^2/NDF:31.4/22

Left: -0.046+/-0.048 χ^2/NDF: 58.1/47

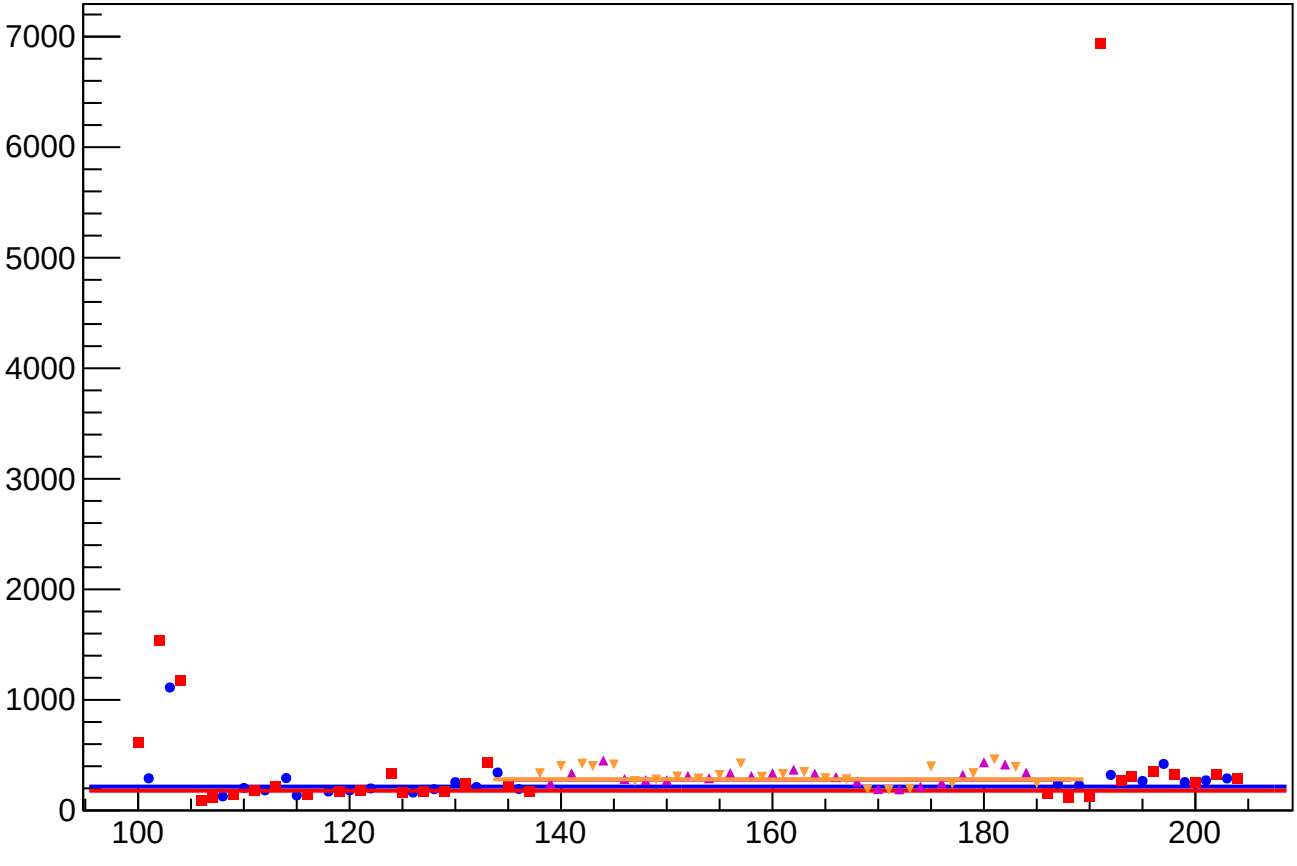
Right: -0.021+/-0.041 χ^2/NDF: 64.1/53

In: -0.088+/-0.047 χ^2/NDF:49.6/46

Out: 0.013+/-0.042 χ^2/NDF:70.2/54

All: -0.032+/-0.031 χ^2/NDF: 122.3/101

asym_atr_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 215.639+/-0.046 χ^2/NDF: 2527016.2/23

Left Out: 281.818+/-0.048 χ^2/NDF:2520824.2/24

Right Out: 178.573+/-0.037 χ^2/NDF: 5415428.8/29

Left In: 278.409+/-0.049 χ^2/NDF:1799690.4/22

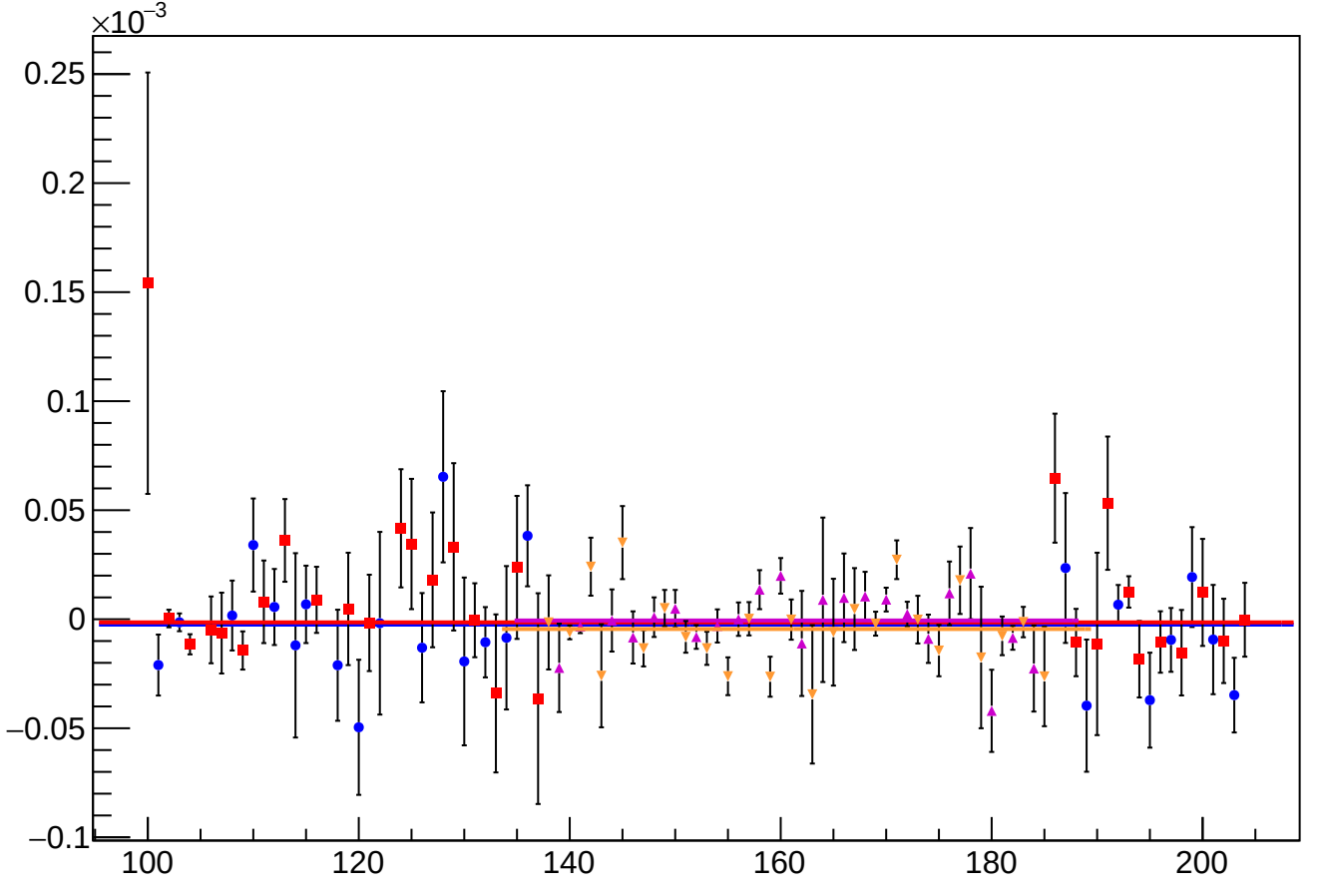
Left: 280.127+/-0.034 χ^2/NDF: 4323003.2/47

Right: 193.390+/-0.029 χ^2/NDF: 8336425.2/53

In: 245.192+/-0.033 χ^2/NDF:5212915.9/46

Out: 217.374+/-0.029 χ^2/NDF:10810100.9/54

All: 229.612+/-0.022 χ^2/NDF: 16414274.7/10



Right In: -0.000+/-0.000 χ^2/NDF: 25.3/23

Left Out: -0.000+/-0.000 χ^2/NDF:46.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 36.4/29

Left In: -0.000+/-0.000 χ^2/NDF:29.1/22

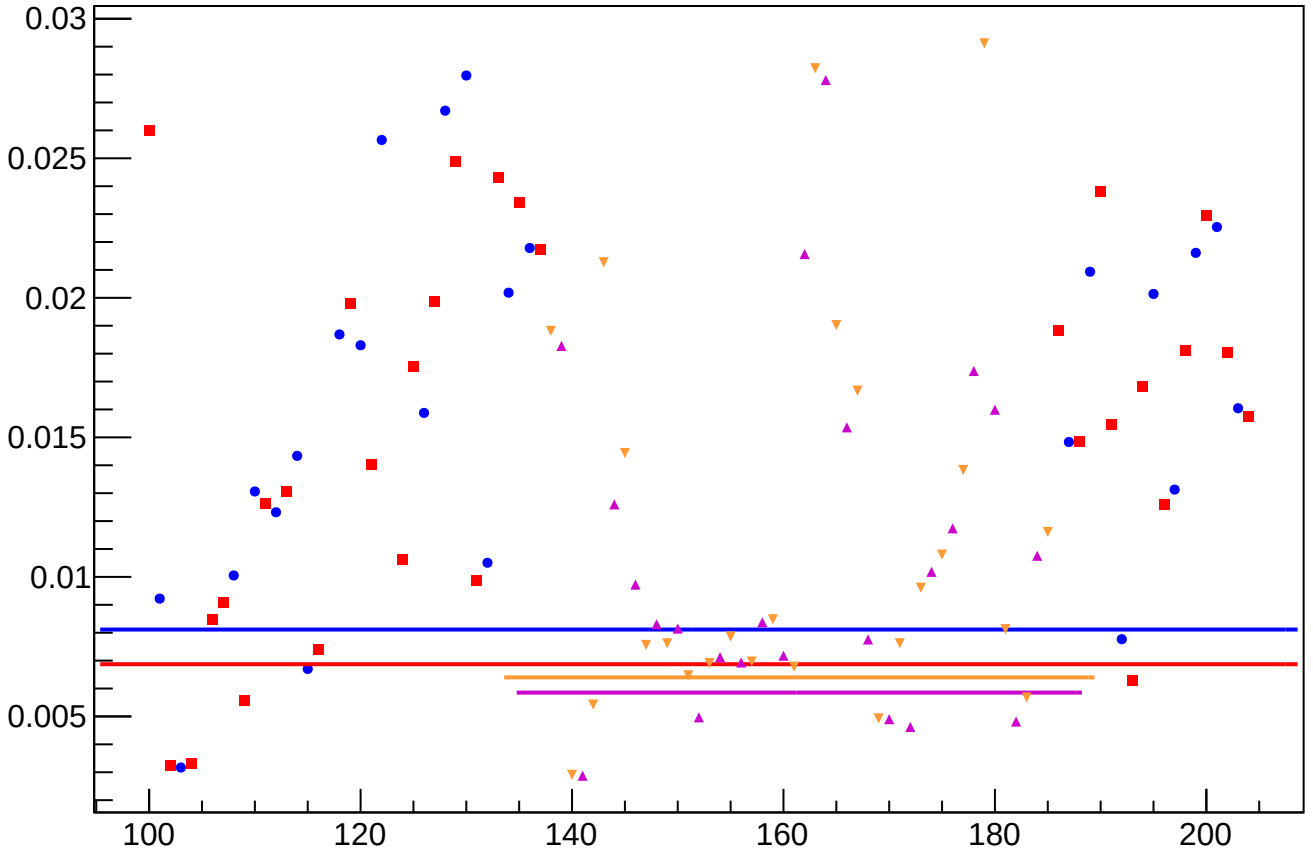
Left: -0.000+/-0.000 χ^2/NDF: 78.2/47

Right: -0.000+/-0.000 χ^2/NDF: 61.8/53

In: -0.000+/-0.000 χ^2/NDF:54.7/46

Out: -0.000+/-0.000 χ^2/NDF:83.9/54

All: -0.000+/-0.000 χ^2/NDF: 140.0/101



Right In: 0.008+/-0.000 χ^2/NDF: 9426186.1/23

Left Out: 0.006+/-0.000 χ^2/NDF:8964265.3/24

Right Out: 0.007+/-0.000 χ^2/NDF: 11466753.4/29

Left In: 0.006+/-0.000 χ^2/NDF:8144305.6/22

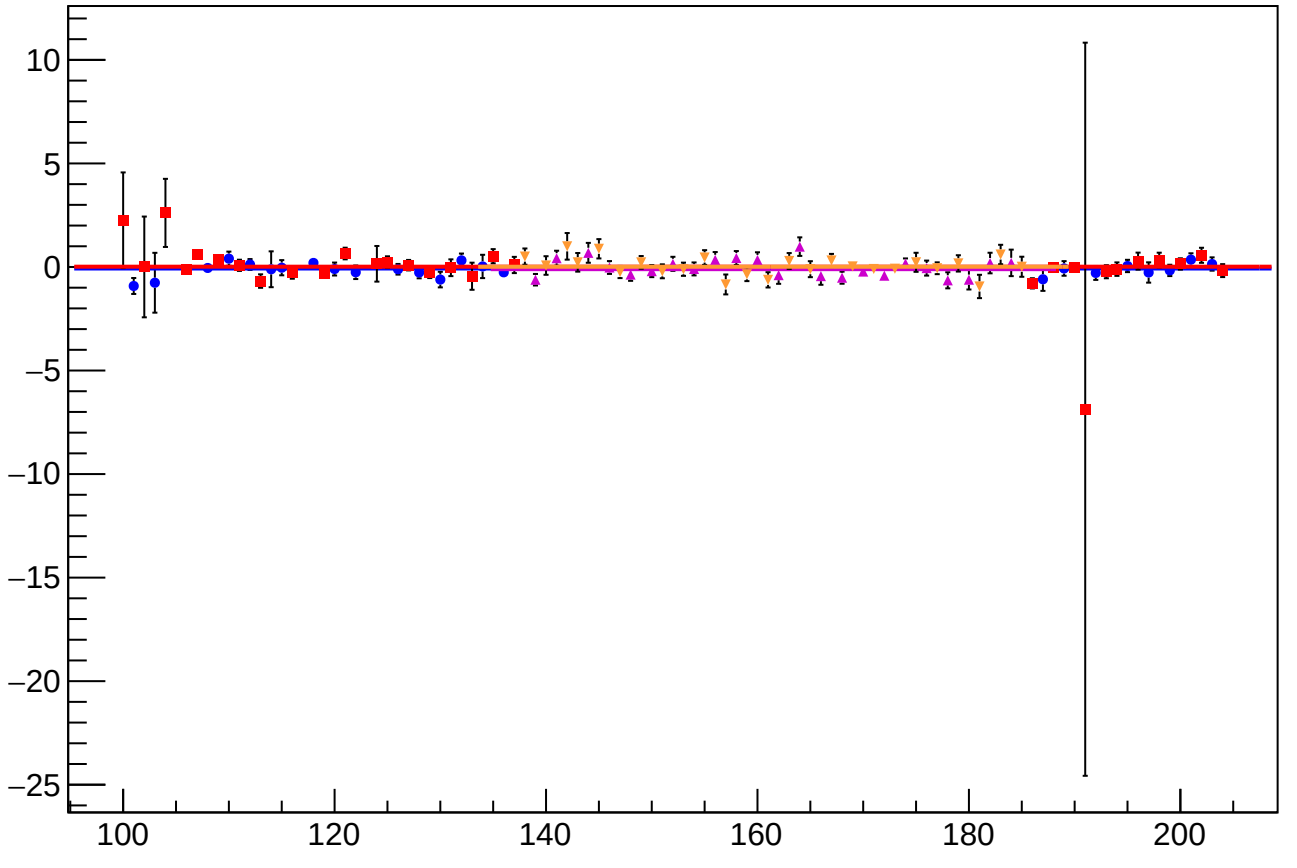
Left: 0.006+/-0.000 χ^2/NDF: 17214563.0/47

Right: 0.007+/-0.000 χ^2/NDF: 21121953.9/53

In: 0.006+/-0.000 χ^2/NDF:18492159.5/46

Out: 0.007+/-0.000 χ^2/NDF:20486330.3/54

All: 0.006+/-0.000 χ^2/NDF: 38994082.7/101



Right In: -0.074+/-0.065 χ^2/NDF: 18.0/23

Left Out: 0.012+/-0.068 χ^2/NDF:25.2/24

Right Out: 0.014+/-0.053 χ^2/NDF: 45.0/29

Left In: -0.105+/-0.069 χ^2/NDF:31.4/22

Left: -0.046+/-0.048 χ^2/NDF: 58.1/47

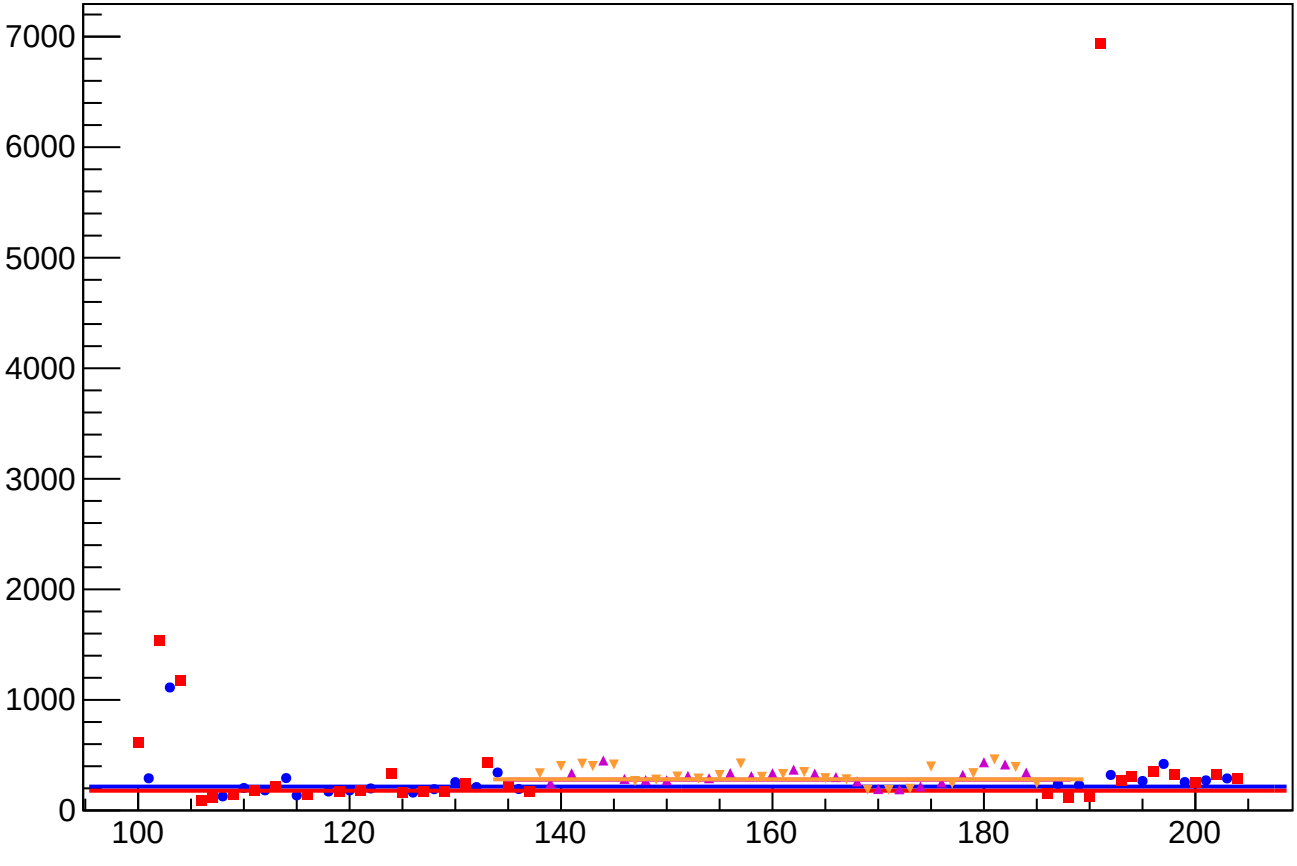
Right: -0.021+/-0.041 χ^2/NDF: 64.1/53

In: -0.088+/-0.047 χ^2/NDF:49.6/46

Out: 0.013+/-0.042 χ^2/NDF:70.2/54

All: -0.032+/-0.031 χ^2/NDF: 122.3/101

asym_atr_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 215.639+/-0.046 χ^2/NDF: 2527025.3/23

Left Out: 281.820+/-0.048 χ^2/NDF:2520889.0/24

Right Out: 178.570+/-0.037 χ^2/NDF: 5415593.3/29

Left In: 278.412+/-0.049 χ^2/NDF:1799730.1/22

Left: 280.130+/-0.034 χ^2/NDF: 4323107.7/47

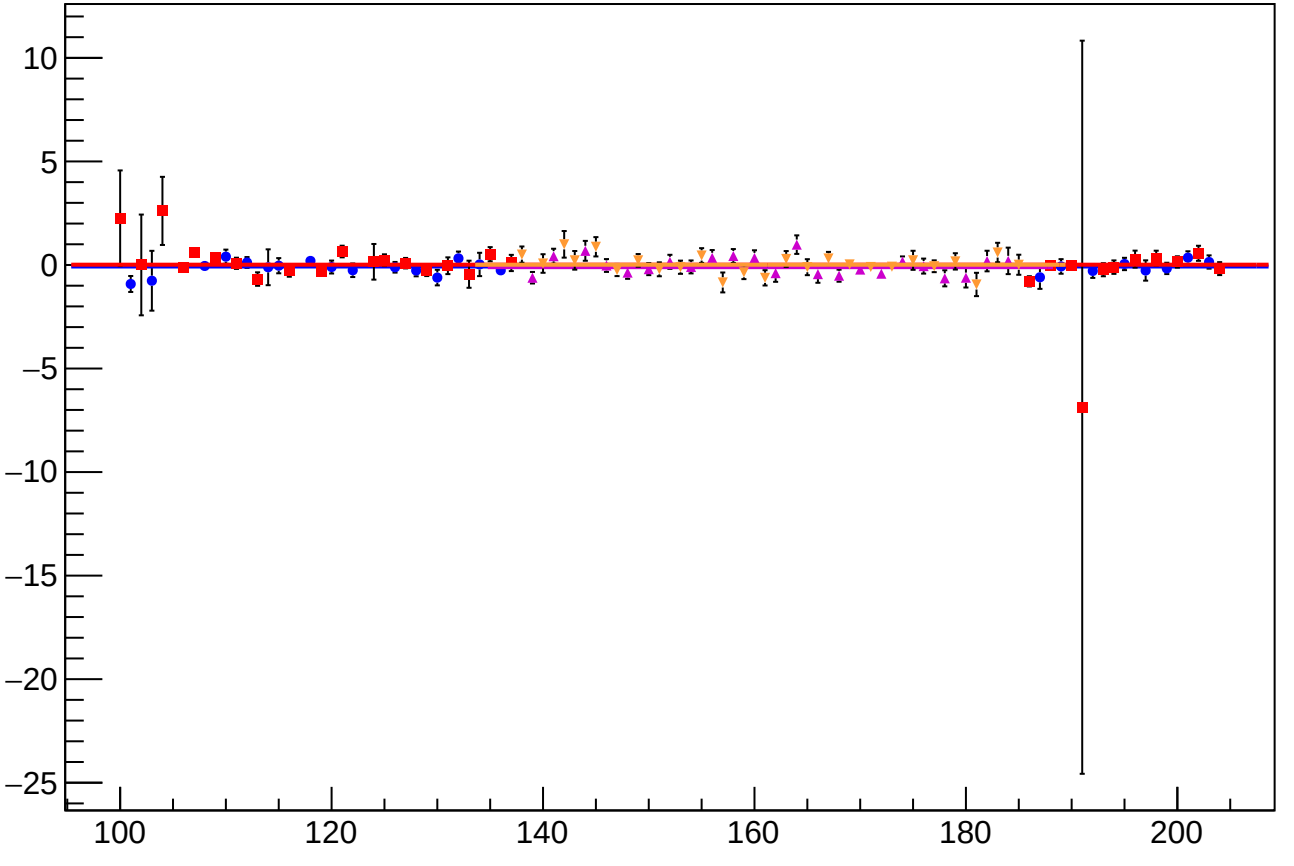
Right: 193.388+/-0.029 χ^2/NDF: 8336666.8/53

In: 245.193+/-0.033 χ^2/NDF:5213033.8/46

Out: 217.372+/-0.029 χ^2/NDF:10810644.6/54

All: 229.611+/-0.022 χ^2/NDF: 16415016.4/10

asym_atr_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.074+/-0.065 χ^2/NDF: 18.0/23

Left Out: 0.012+/-0.068 χ^2/NDF:25.2/24

Right Out: 0.014+/-0.053 χ^2/NDF: 45.0/29

Left In: -0.105+/-0.069 χ^2/NDF:31.4/22

Left: -0.046+/-0.048 χ^2/NDF: 58.1/47

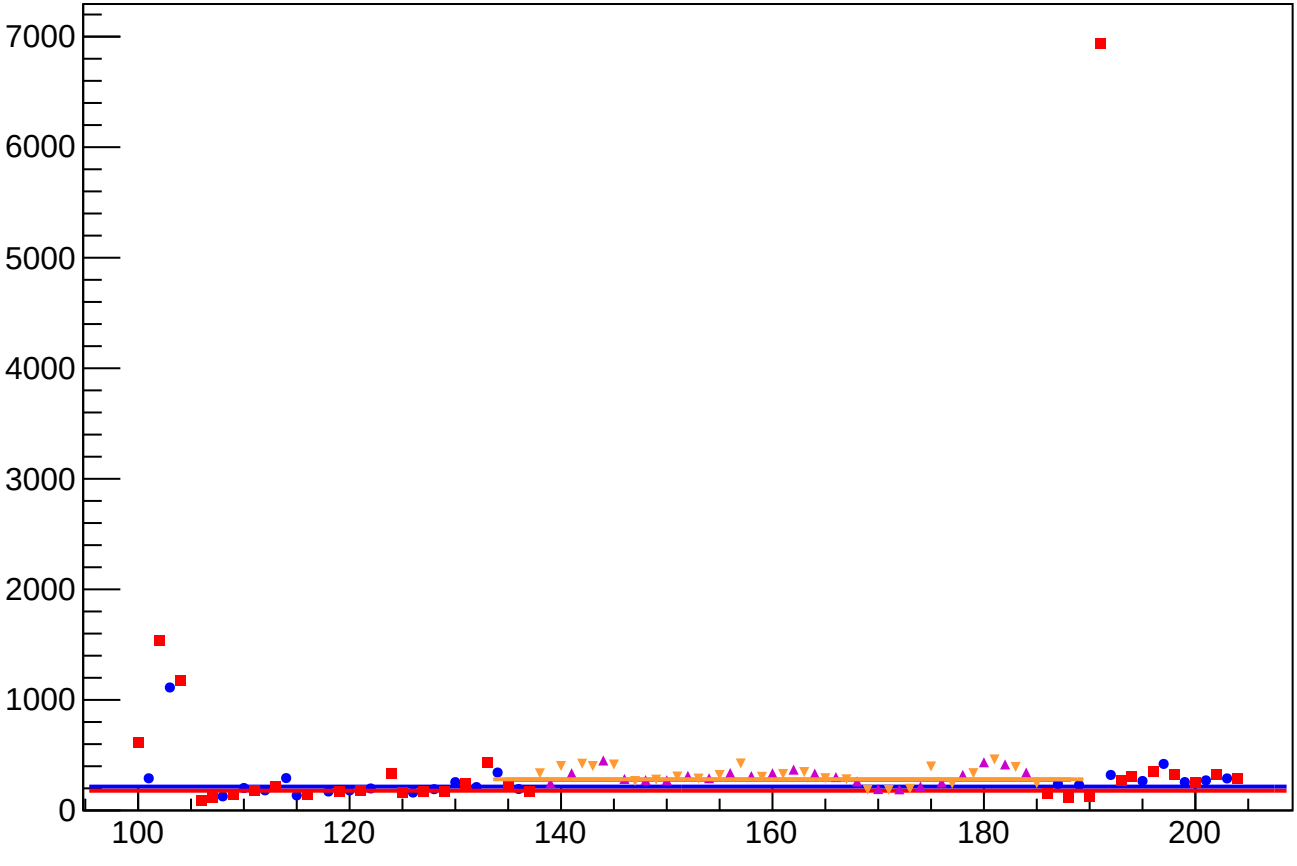
Right: -0.021+/-0.041 χ^2/NDF: 64.1/53

In: -0.088+/-0.047 χ^2/NDF:49.6/46

Out: 0.013+/-0.042 χ^2/NDF:70.2/54

All: -0.032+/-0.031 χ^2/NDF: 122.3/101

asym_atr_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 215.639+/-0.046 χ^2/NDF: 2527025.3/23

Left Out: 281.820+/-0.048 χ^2/NDF:2520889.0/24

Right Out: 178.570+/-0.037 χ^2/NDF: 5415593.3/29

Left In: 278.412+/-0.049 χ^2/NDF:1799730.1/22

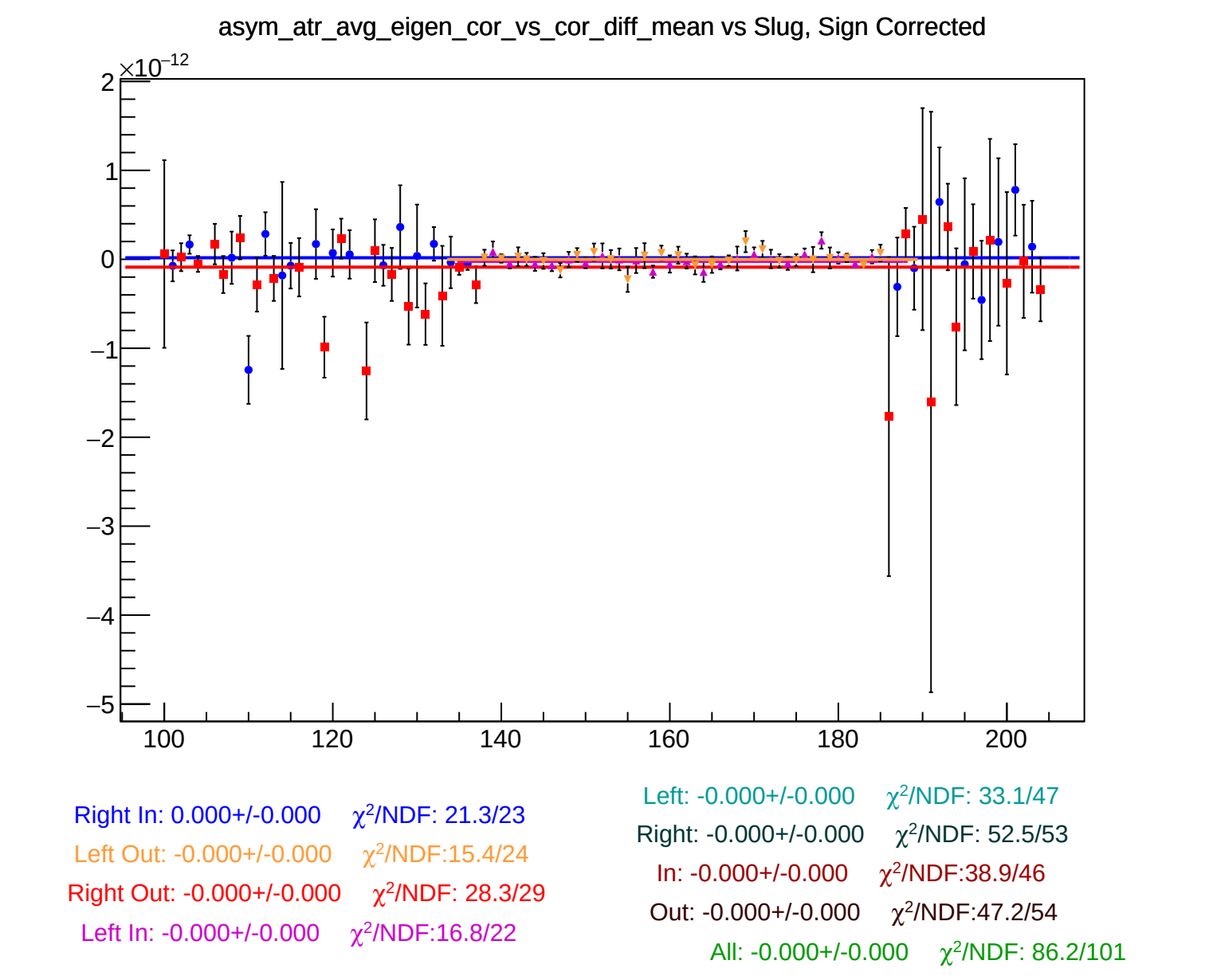
Left: 280.130+/-0.034 χ^2/NDF: 4323107.7/47

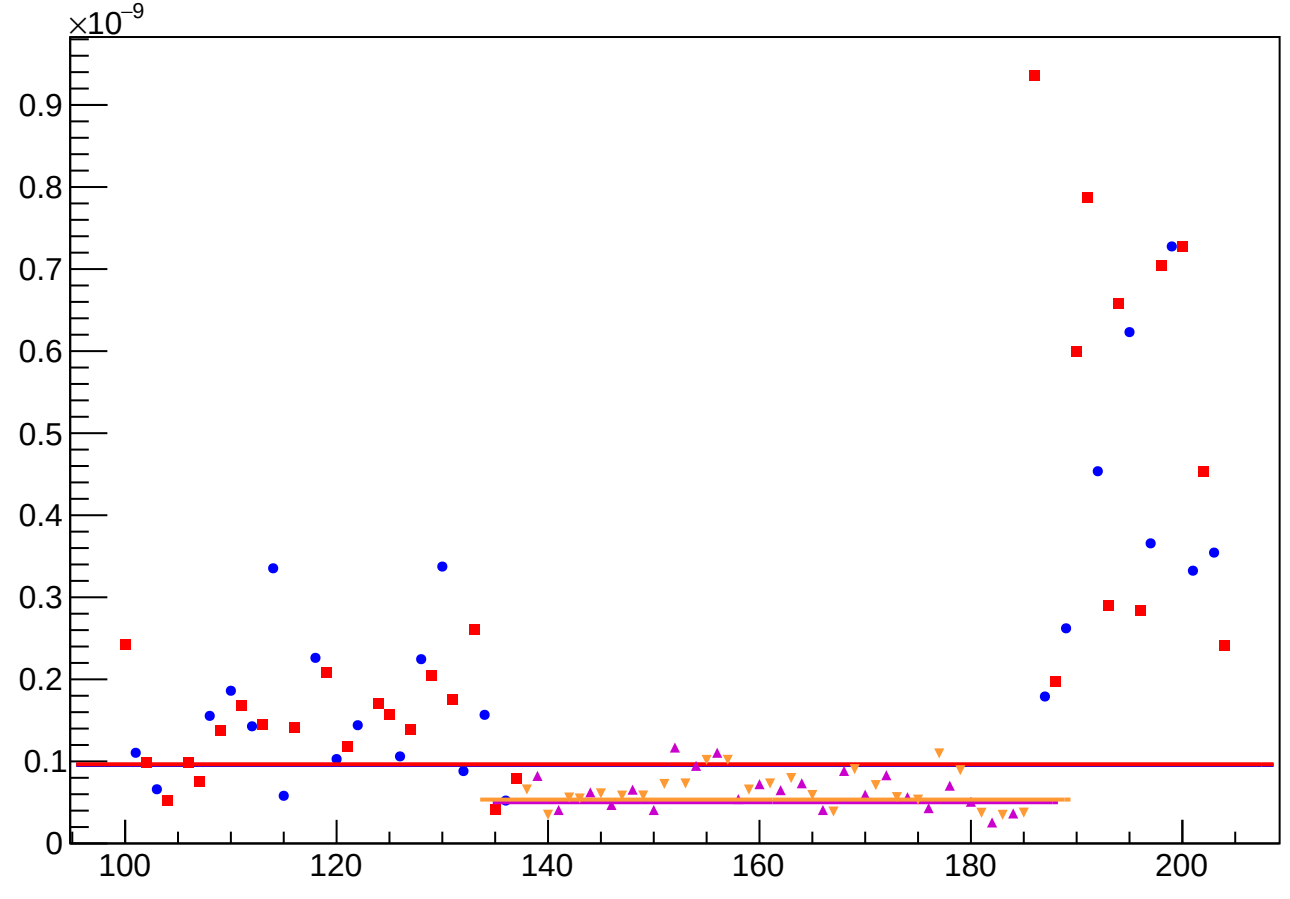
Right: 193.388+/-0.029 χ^2/NDF: 8336666.8/53

In: 245.193+/-0.033 χ^2/NDF:5213033.8/46

Out: 217.372+/-0.029 χ^2/NDF:10810644.6/54

All: 229.611+/-0.022 χ^2/NDF: 16415016.4/10


asym_atr_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
1
0
−1
−2
−3
−4
−5
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 21.3/23
Left Out: -0.000+/-0.000 χ²/NDF:15.4/24
Right Out: -0.000+/-0.000 χ²/NDF: 28.3/29
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: 52.5/53
In: -0.000+/-0.000 χ²/NDF:38.9/46
Out: -0.000+/-0.000 χ²/NDF:47.2/54
All: -0.000+/-0.000 χ²/NDF: 86.2/101



Right In: 0.000+/-0.000 χ^2/NDF: 5977947.0/23

Left Out: 0.000+/-0.000 χ^2/NDF:2781376.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7235689.6/29

Left In: 0.000+/-0.000 χ^2/NDF:3367886.1/22

Left: 0.000+/-0.000 χ^2/NDF: 6193032.5/47

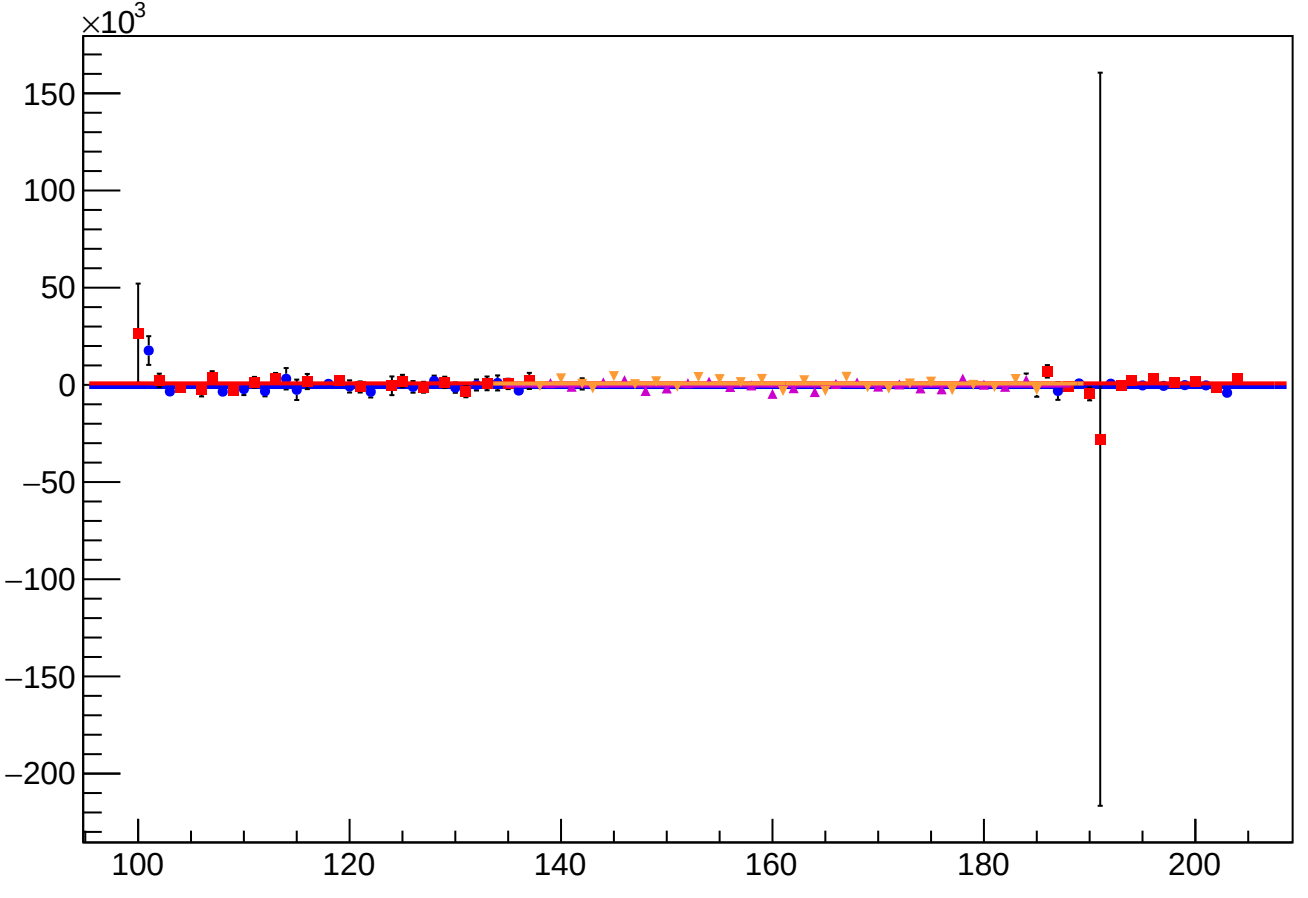
Right: 0.000+/-0.000 χ^2/NDF: 13213974.1/53

In: 0.000+/-0.000 χ^2/NDF:11207387.7/46

Out: 0.000+/-0.000 χ^2/NDF:11763992.2/54

All: 0.000+/-0.000 χ^2/NDF: 23024773.9/101

reg_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -1111.902+/-536.689 χ^2/NDF: 17.8/23

Left Out: 705.742+/-415.383 χ^2/NDF:31.9/24

Right Out: 771.800+/-500.020 χ^2/NDF: 22.5/29

Left In: -403.144+/-426.215 χ^2/NDF:20.7/22

Left: 165.568+/-297.476 χ^2/NDF: 56.1/47

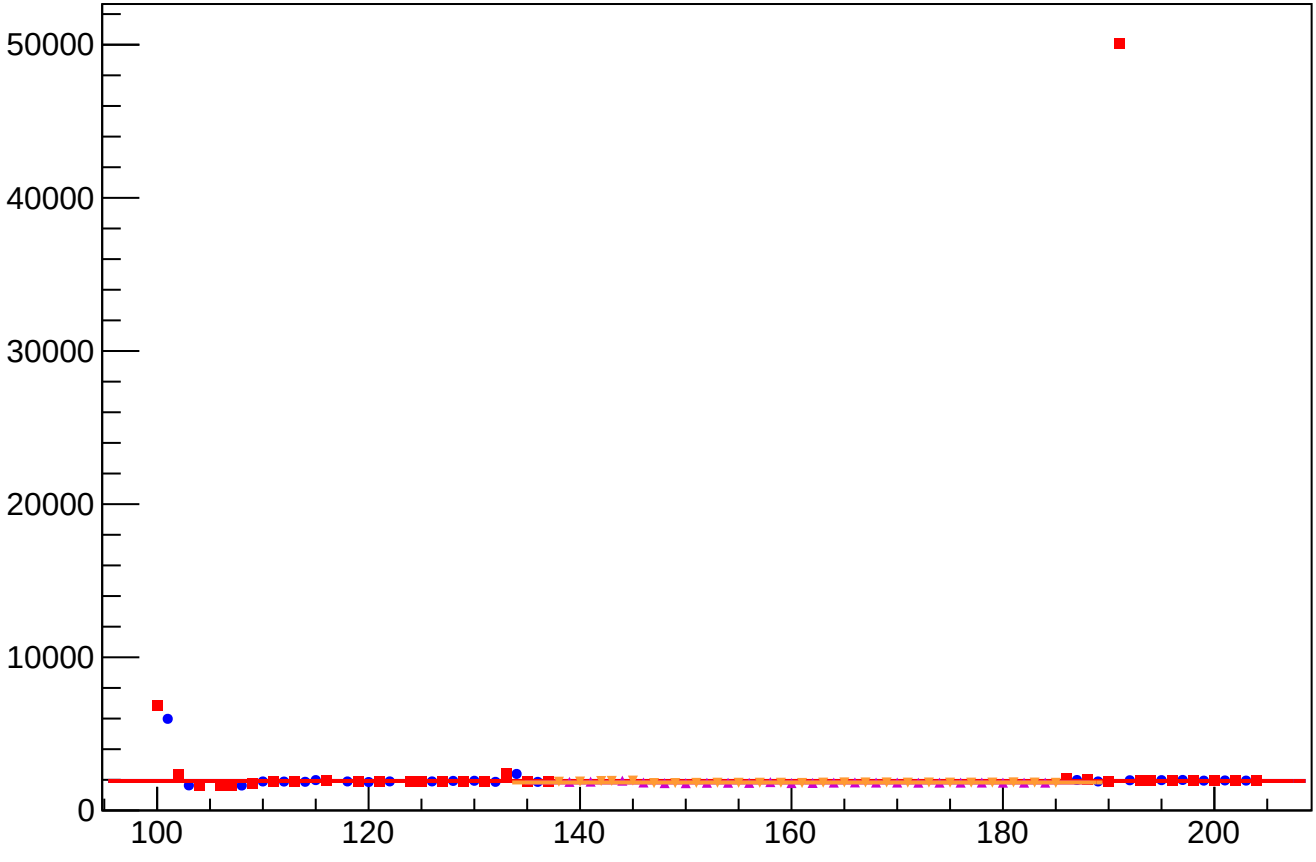
Right: -103.507+/-365.845 χ^2/NDF: 46.9/53

In: -677.263+/-333.767 χ^2/NDF:39.6/46

Out: 732.715+/-319.515 χ^2/NDF:54.4/54

All: 58.473+/-230.805 χ^2/NDF: 103.3/101

reg_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1926.338+/-0.379 χ^2/NDF: 706126.9/23

Left Out: 1828.243+/-0.294 χ^2/NDF:19329.0/24

Right Out: 1924.247+/-0.353 χ^2/NDF: 375087.9/29

Left In: 1825.165+/-0.301 χ^2/NDF:13360.2/22

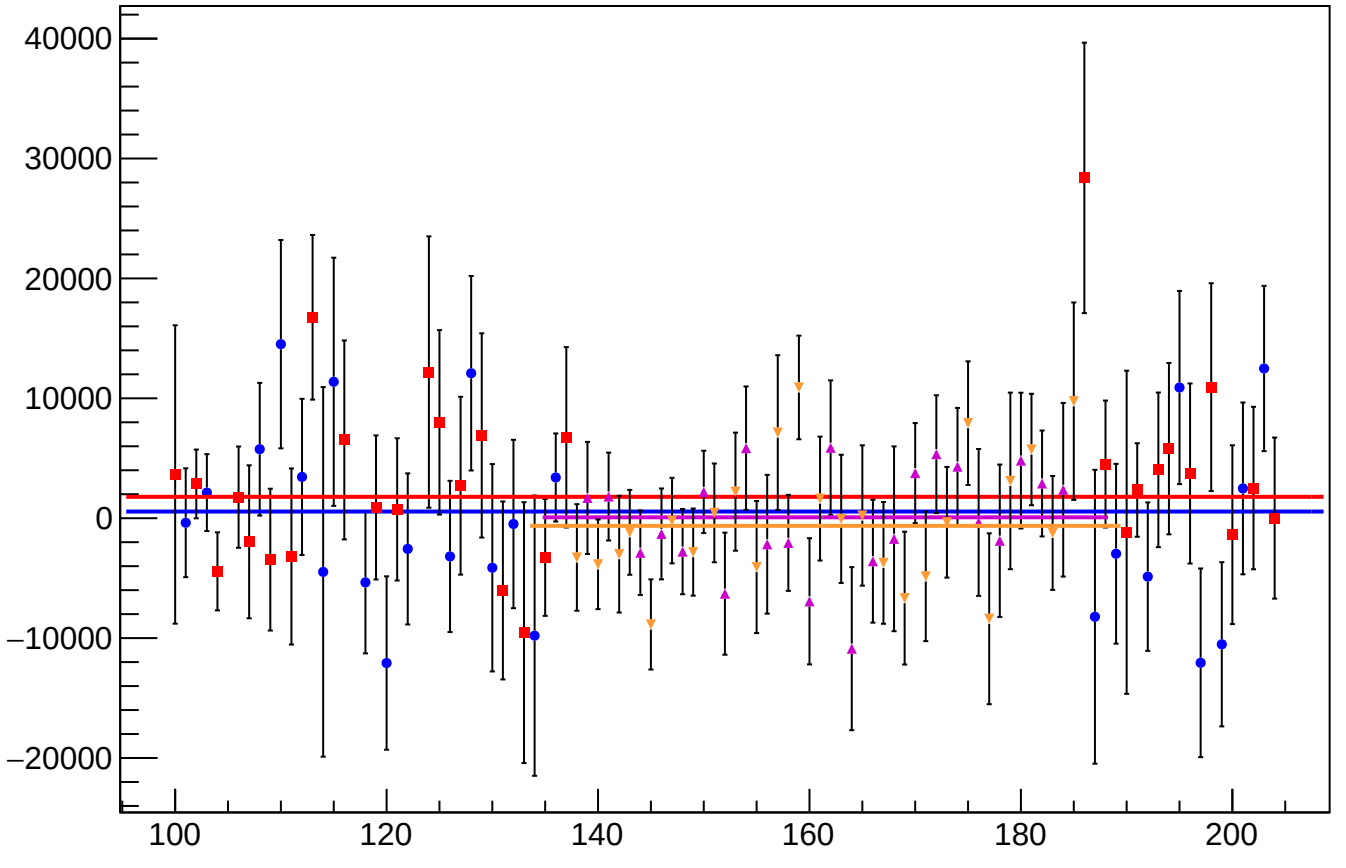
Left: 1826.743+/-0.210 χ^2/NDF: 32742.7/47

Right: 1925.217+/-0.258 χ^2/NDF: 1081231.0/53

In: 1864.294+/-0.236 χ^2/NDF:763072.7/46

Out: 1867.523+/-0.226 χ^2/NDF:438129.1/54

All: 1865.980+/-0.163 χ^2/NDF: 1201299.5/10



Right In: 556.318+/-1289.966 χ^2/NDF: 24.9/23

Left Out: -637.703+/-946.866 χ^2/NDF:26.0/24

Right Out: 1784.146+/-1093.286 χ^2/NDF: 23.9/29

Left In: 75.764+/-980.243 χ^2/NDF:15.4/22

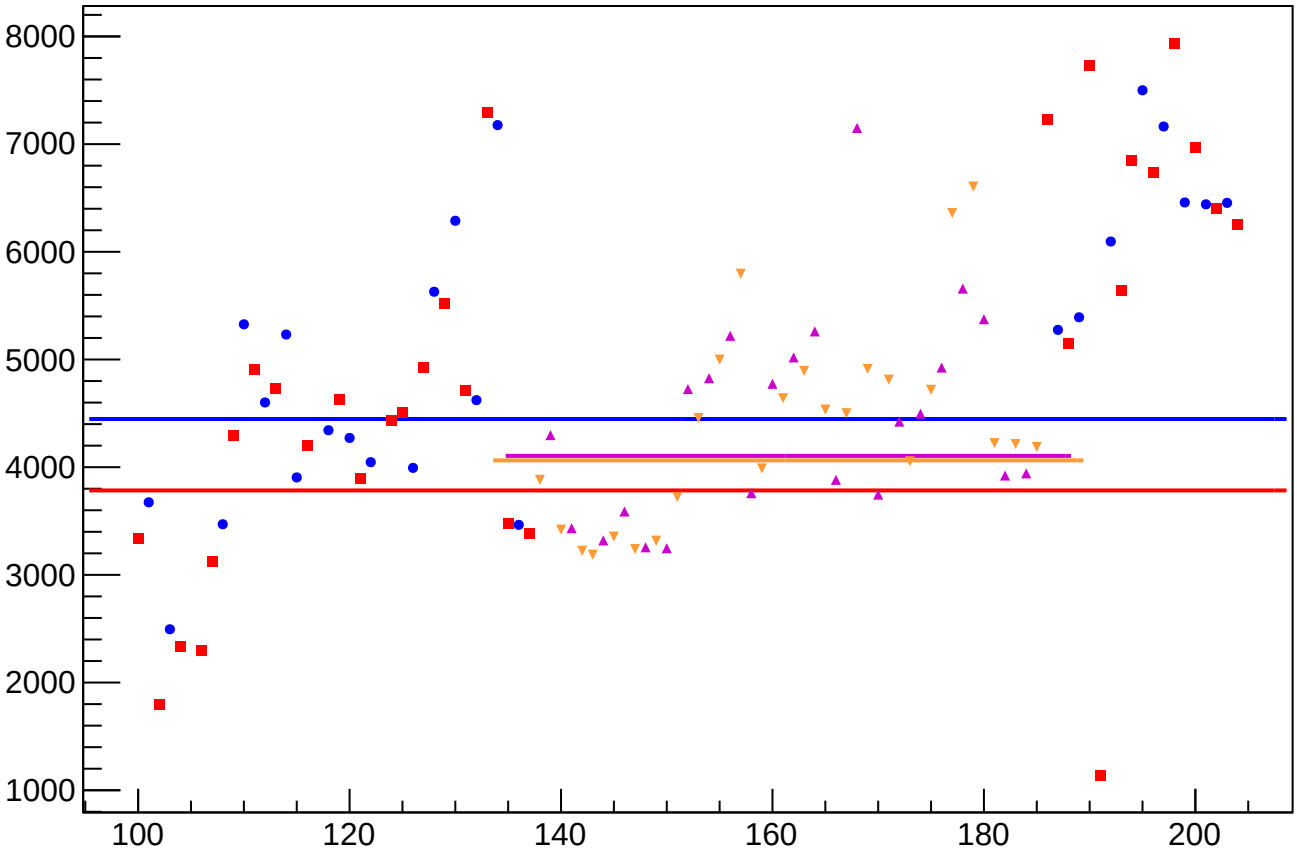
Left: -293.323+/-681.030 χ^2/NDF: 41.7/47

Right: 1270.874+/-834.033 χ^2/NDF: 49.3/53

In: 251.677+/-780.471 χ^2/NDF:40.5/46

Out: 400.298+/-715.747 χ^2/NDF:52.7/54

All: 332.405+/-527.509 χ^2/NDF: 93.1/101



Right In: 4447.378+/-0.912 χ^2/NDF: 2505736.5/23

Left Out: 4063.108+/-0.670 χ^2/NDF:1405036.2/24

Right Out: 3784.177+/-0.773 χ^2/NDF: 5825929.3/29

Left In: 4105.057+/-0.693 χ^2/NDF:1359493.1/22

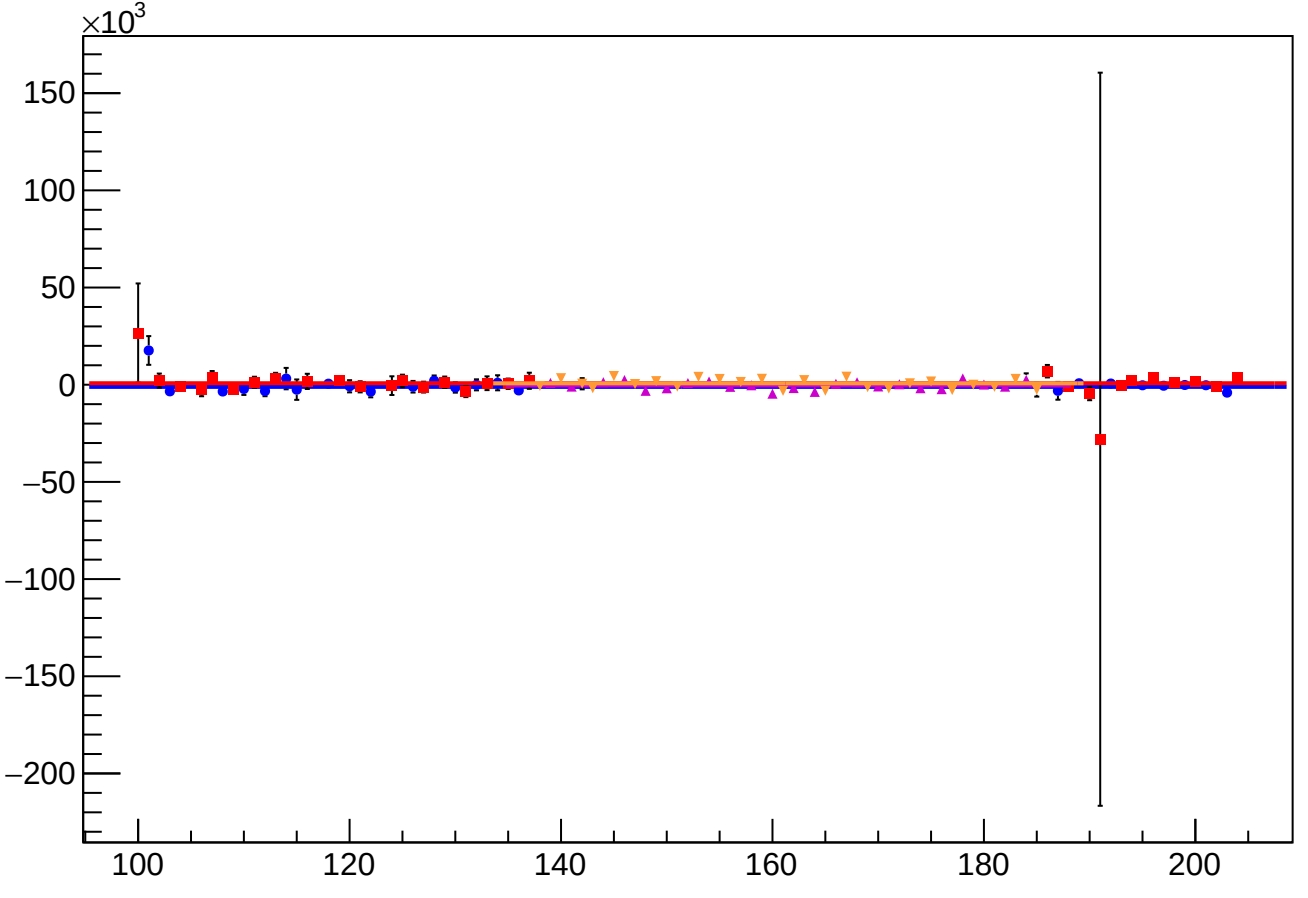
Left: 4083.357+/-0.482 χ^2/NDF: 2766424.2/47

Right: 4061.416+/-0.590 χ^2/NDF: 8639320.0/53

In: 4230.368+/-0.552 χ^2/NDF:3954515.9/46

Out: 3943.559+/-0.506 χ^2/NDF:7305352.8/54

All: 4074.580+/-0.373 χ^2/NDF: 11406574.5/1



Right In: -1112.129+/-536.689 χ^2/NDF: 17.8/23

Left Out: 705.801+/-415.383 χ^2/NDF:31.9/24

Right Out: 767.075+/-500.361 χ^2/NDF: 22.4/29

Left In: -402.981+/-426.215 χ^2/NDF:20.8/22

Left: 165.678+/-297.476 χ^2/NDF: 56.1/47

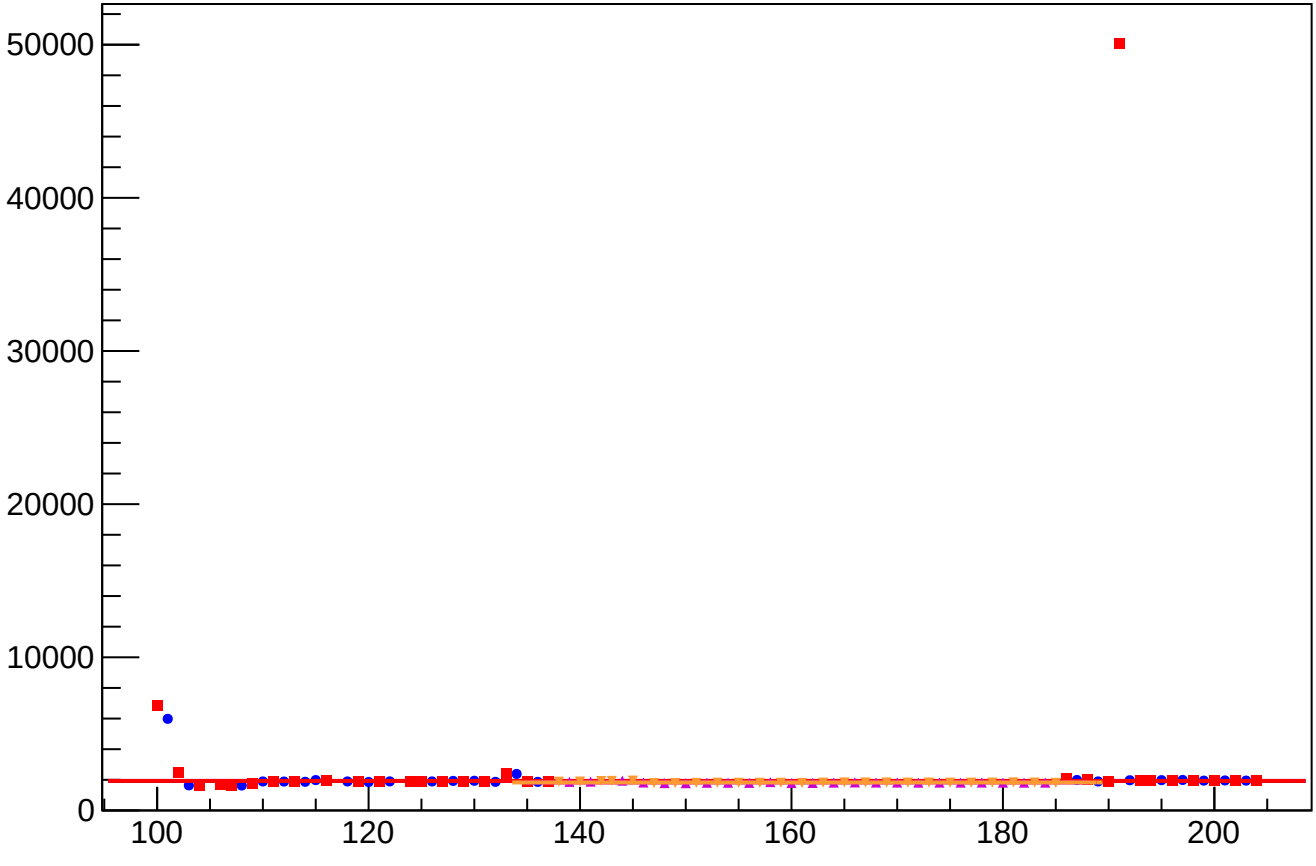
Right: -106.779+/-365.978 χ^2/NDF: 46.7/53

In: -677.251+/-333.767 χ^2/NDF:39.6/46

Out: 730.801+/-319.604 χ^2/NDF:54.4/54

All: 57.284+/-230.839 χ^2/NDF: 103.2/101

cor_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1926.337+/-0.379 χ^2/NDF: 706127.0/23

Left Out: 1828.243+/-0.294 χ^2/NDF:19329.0/24

Right Out: 1927.831+/-0.354 χ^2/NDF: 381274.4/29

Left In: 1825.165+/-0.301 χ^2/NDF:13360.2/22

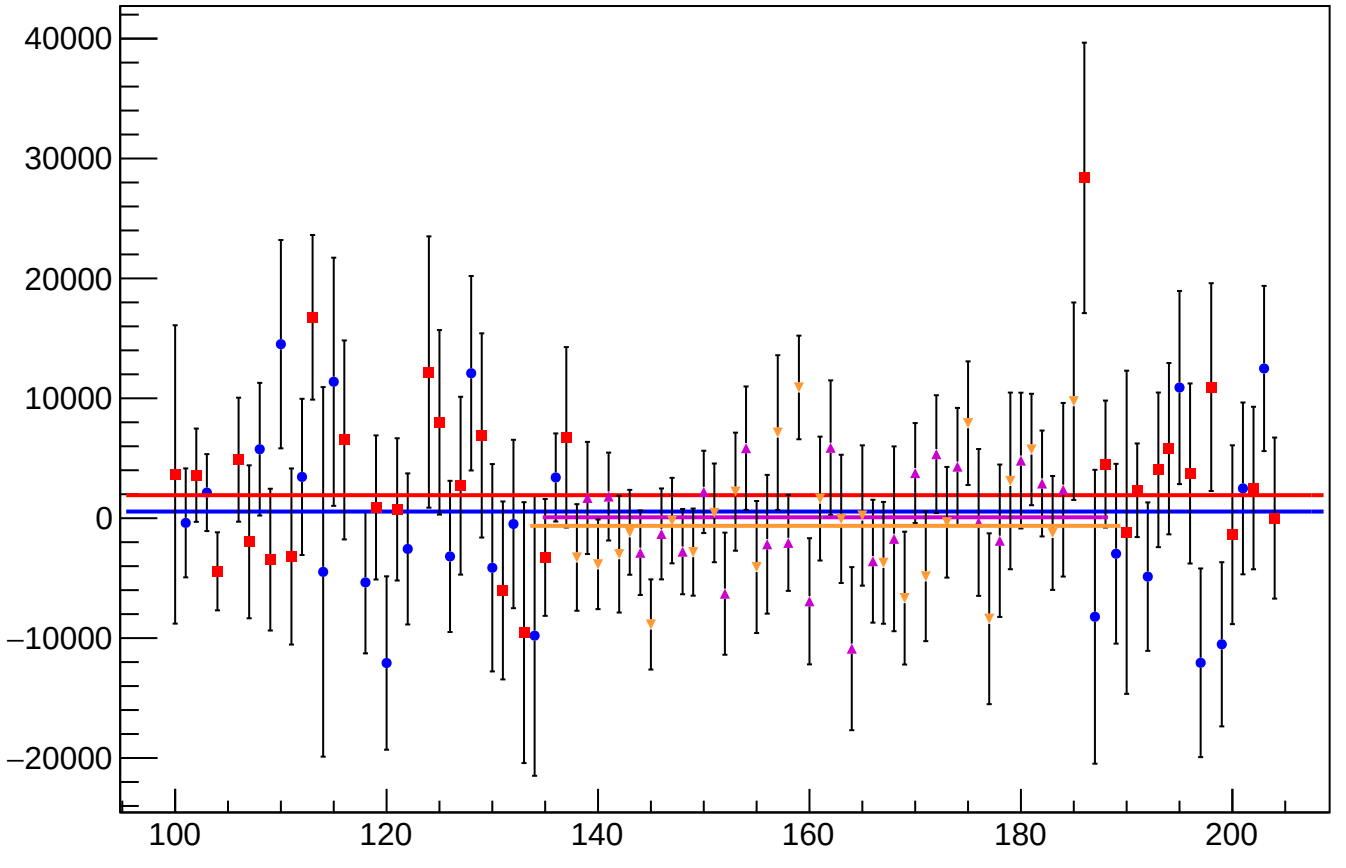
Left: 1826.743+/-0.210 χ^2/NDF: 32742.7/47

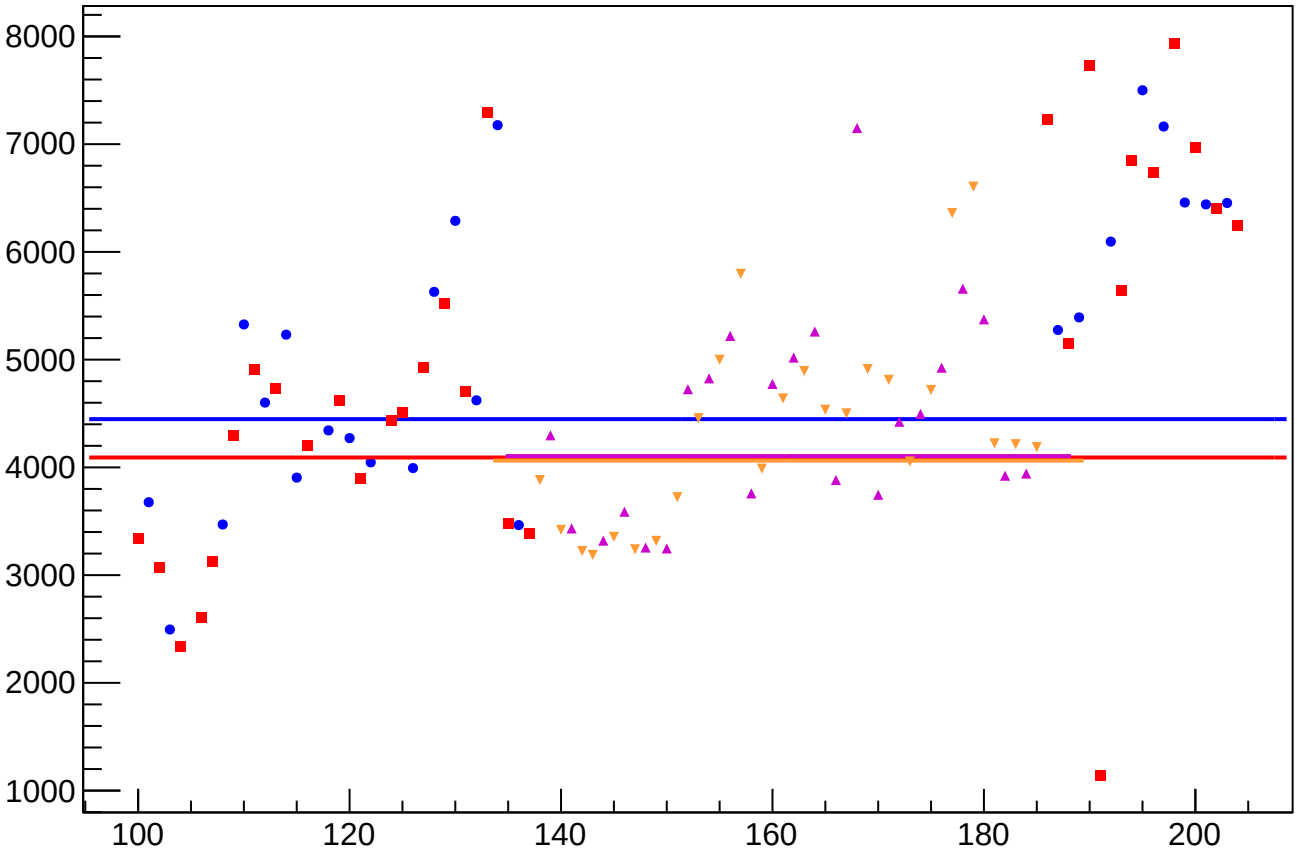
Right: 1927.137+/-0.259 χ^2/NDF: 1087409.7/53

In: 1864.294+/-0.236 χ^2/NDF:763072.8/46

Out: 1868.912+/-0.226 χ^2/NDF:447550.1/54

All: 1866.704+/-0.163 χ^2/NDF: 1210822.6/10


asym_atr_dd_cor_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
100
120
140
160
180
200
Right In: 555.287+/-1290.081 χ²/NDF: 24.9/23
Left Out: -637.720+/-946.866 χ²/NDF:26.0/24
Right Out: 1920.694+/-1145.450 χ²/NDF: 24.3/29
Left In: 75.789+/-980.241 χ²/NDF:15.4/22
Left: -293.319+/-681.029 χ²/NDF: 41.7/47
Right: 1318.789+/-856.545 χ²/NDF: 49.9/53
In: 251.295+/-780.495 χ²/NDF:40.5/46
Out: 400.833+/-729.802 χ²/NDF:53.2/54
All: 331.078+/-533.069 χ²/NDF: 93.7/101



Right In: 4447.887+/-0.912 χ^2/NDF: 2504600.8/23

Left Out: 4063.106+/-0.670 χ^2/NDF:1405030.5/24

Right Out: 4091.643+/-0.810 χ^2/NDF: 4640522.3/29

Left In: 4105.050+/-0.693 χ^2/NDF:1359501.9/22

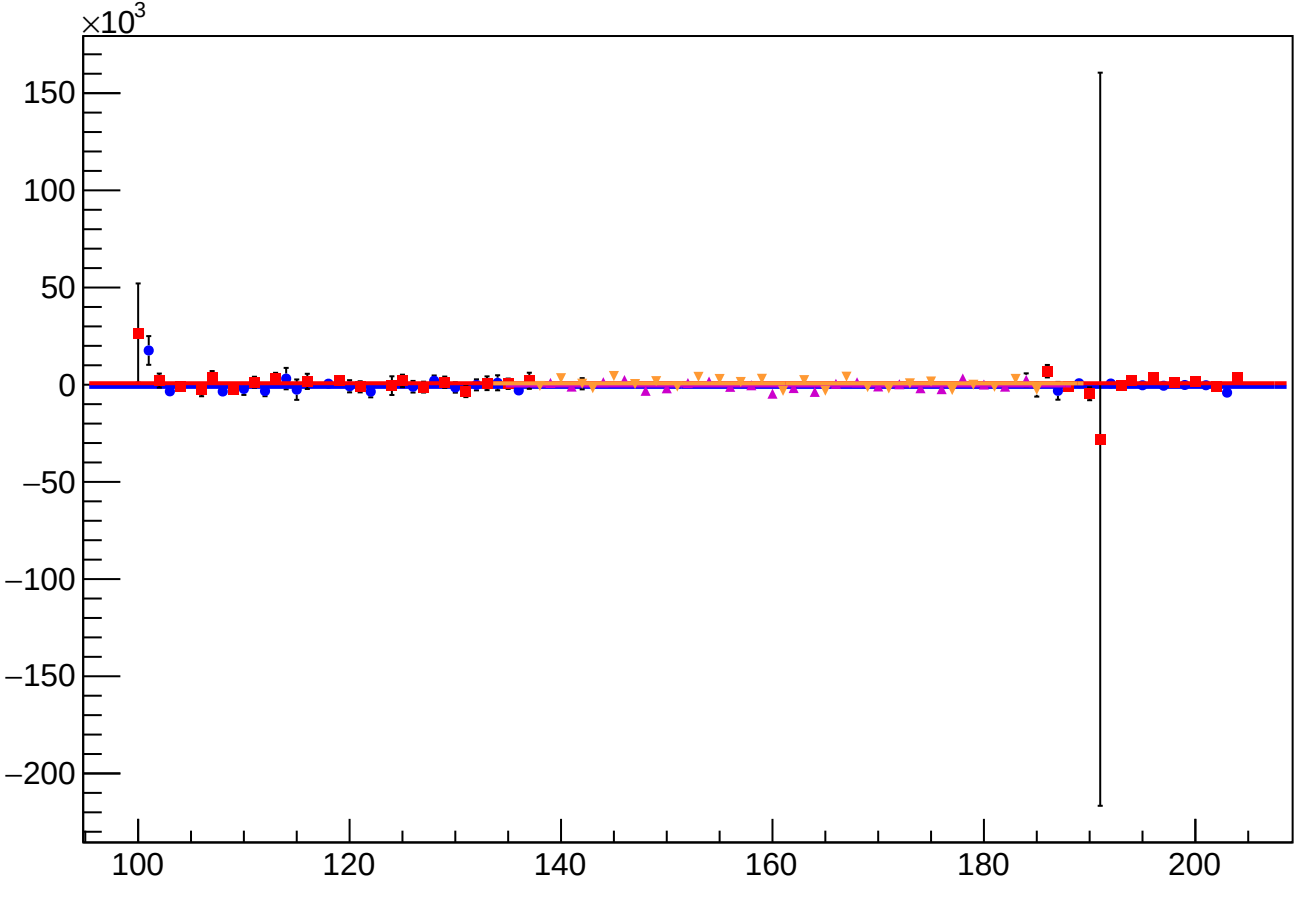
Left: 4083.351+/-0.482 χ^2/NDF: 2766426.7/47

Right: 4248.684+/-0.606 χ^2/NDF: 7230401.4/53

In: 4230.536+/-0.552 χ^2/NDF:3953648.8/46

Out: 4074.690+/-0.516 χ^2/NDF:6046290.3/54

All: 4147.388+/-0.377 χ^2/NDF: 10042482.7/1



Right In: -1112.129+/-536.689 χ^2/NDF: 17.8/23

Left Out: 705.801+/-415.383 χ^2/NDF:31.9/24

Right Out: 767.075+/-500.361 χ^2/NDF: 22.4/29

Left In: -402.981+/-426.215 χ^2/NDF:20.8/22

Left: 165.678+/-297.476 χ^2/NDF: 56.1/47

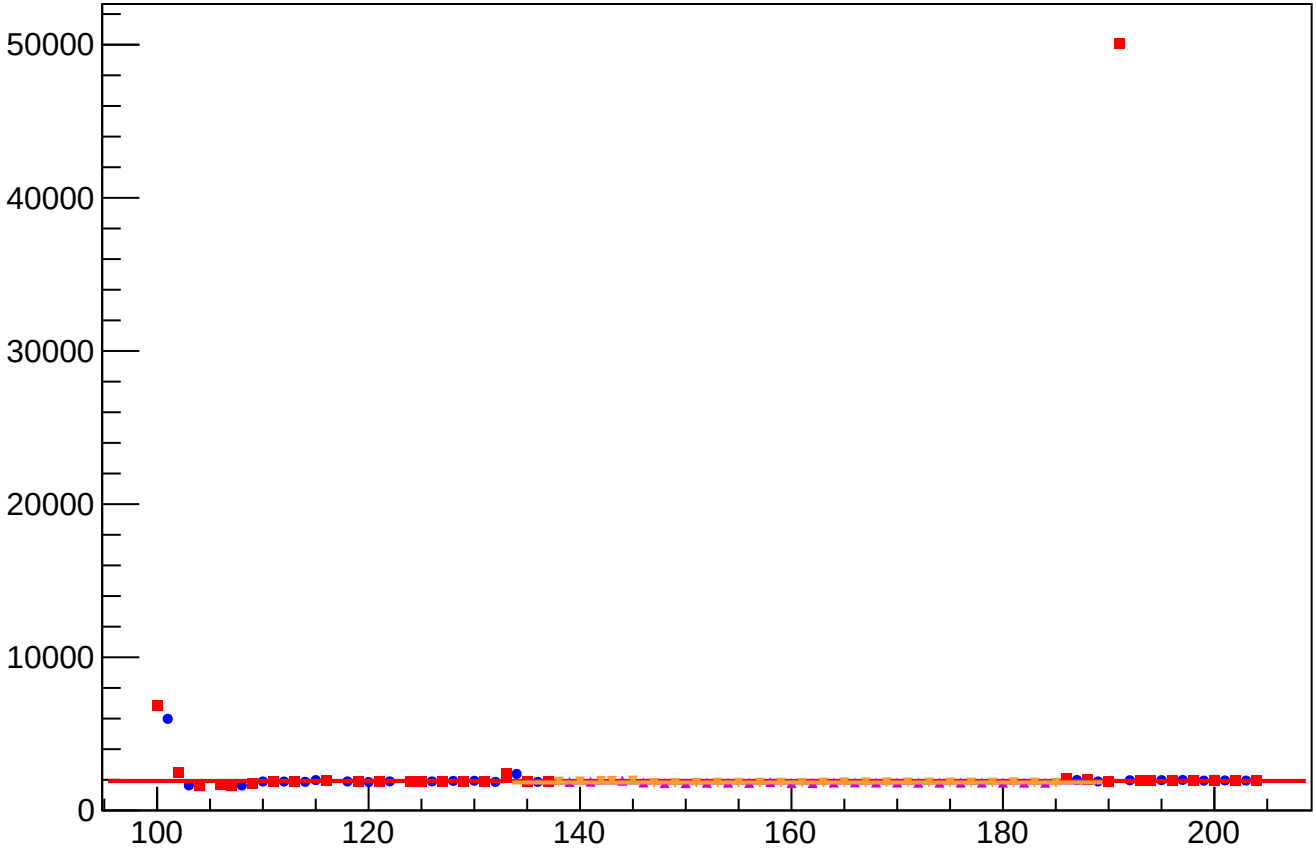
Right: -106.779+/-365.978 χ^2/NDF: 46.7/53

In: -677.251+/-333.767 χ^2/NDF:39.6/46

Out: 730.801+/-319.604 χ^2/NDF:54.4/54

All: 57.284+/-230.839 χ^2/NDF: 103.2/101

eigen_cor_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1926.337+/-0.379 χ^2/NDF: 706127.0/23

Left Out: 1828.243+/-0.294 χ^2/NDF:19329.0/24

Right Out: 1927.831+/-0.354 χ^2/NDF: 381274.4/29

Left In: 1825.165+/-0.301 χ^2/NDF:13360.2/22

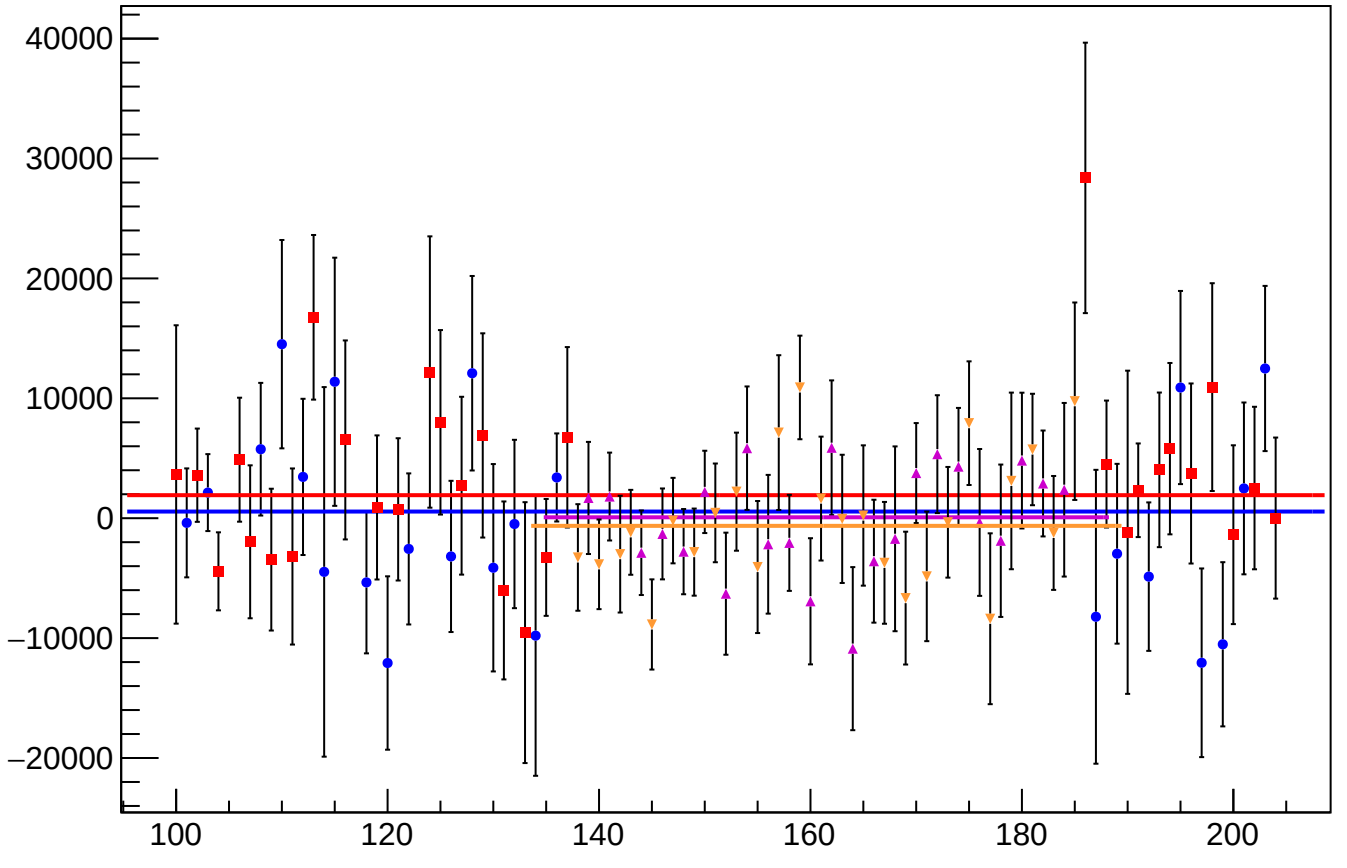
Left: 1826.743+/-0.210 χ^2/NDF: 32742.7/47

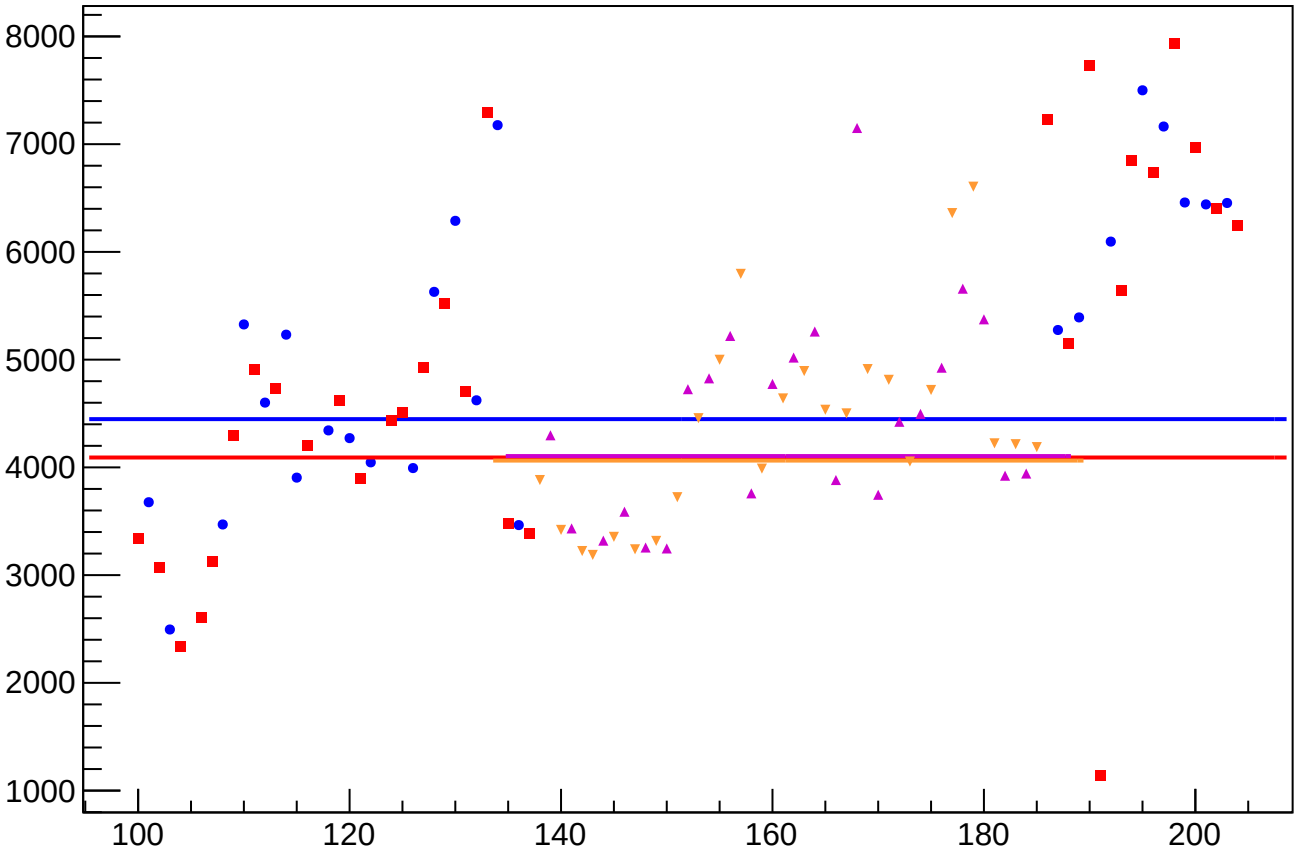
Right: 1927.137+/-0.259 χ^2/NDF: 1087409.7/53

In: 1864.294+/-0.236 χ^2/NDF:763072.8/46

Out: 1868.912+/-0.226 χ^2/NDF:447550.1/54

All: 1866.704+/-0.163 χ^2/NDF: 1210822.6/10


asym_atr_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
100
120
140
160
180
200
Right In: 555.287+/-1290.081 χ²/NDF: 24.9/23
Left Out: -637.720+/-946.866 χ²/NDF:26.0/24
Right Out: 1920.694+/-1145.450 χ²/NDF: 24.3/29
Left In: 75.789+/-980.241 χ²/NDF:15.4/22
Left: -293.319+/-681.029 χ²/NDF: 41.7/47
Right: 1318.789+/-856.545 χ²/NDF: 49.9/53
In: 251.295+/-780.495 χ²/NDF:40.5/46
Out: 400.833+/-729.802 χ²/NDF:53.2/54
All: 331.078+/-533.069 χ²/NDF: 93.7/101



Right In: 4447.887+/-0.912 χ^2/NDF: 2504600.8/23

Left Out: 4063.106+/-0.670 χ^2/NDF:1405030.5/24

Right Out: 4091.643+/-0.810 χ^2/NDF: 4640522.3/29

Left In: 4105.050+/-0.693 χ^2/NDF:1359501.9/22

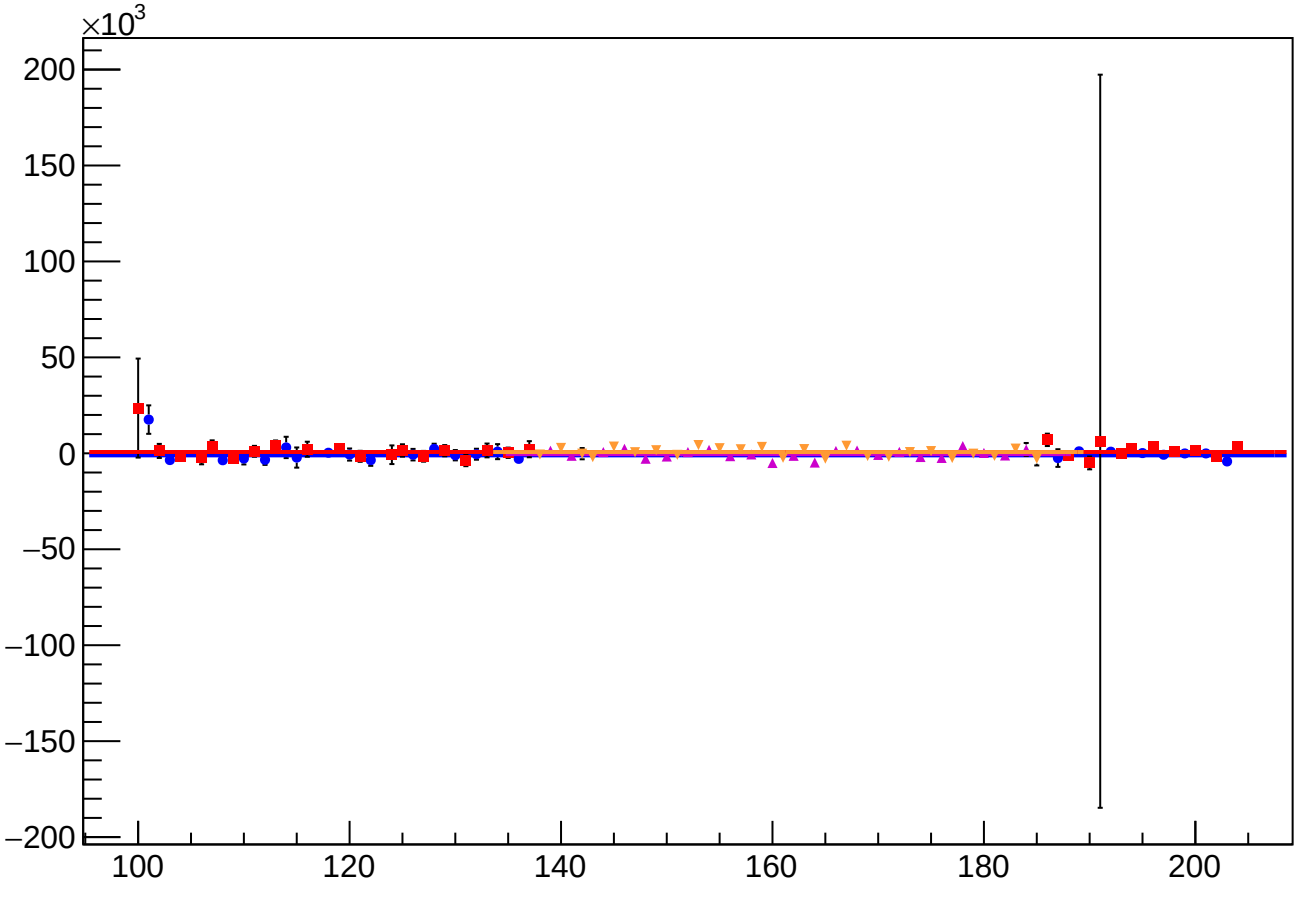
Left: 4083.351+/-0.482 χ^2/NDF: 2766426.7/47

Right: 4248.684+/-0.606 χ^2/NDF: 7230401.4/53

In: 4230.536+/-0.552 χ^2/NDF:3953648.8/46

Out: 4074.690+/-0.516 χ^2/NDF:6046290.3/54

All: 4147.388+/-0.377 χ^2/NDF: 10042482.7/1



Right In: -1063.097+/-541.609 χ^2/NDF: 18.6/23

Left Out: 657.616+/-423.063 χ^2/NDF:27.0/24

Right Out: 689.286+/-505.349 χ^2/NDF: 24.5/29

Left In: -410.869+/-433.856 χ^2/NDF:23.6/22

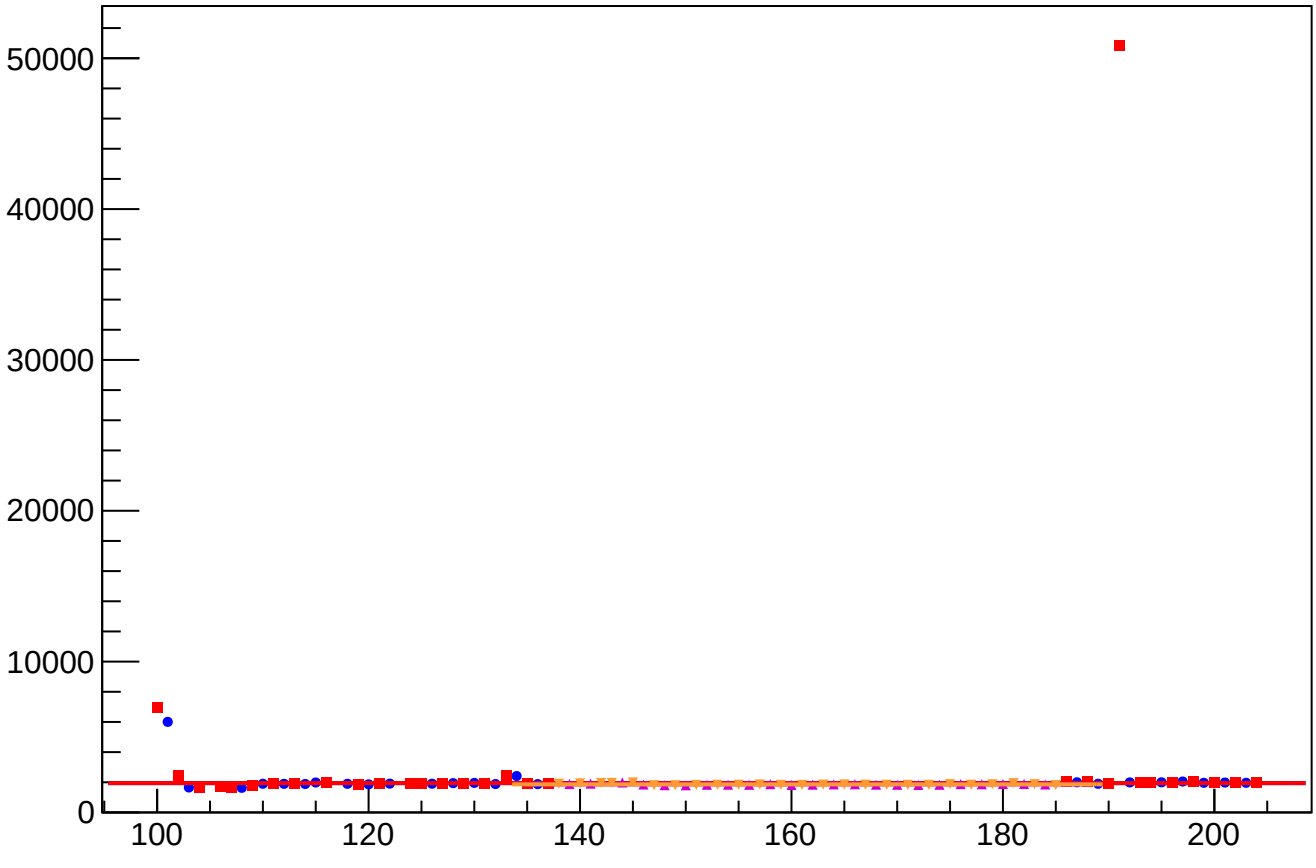
Left: 136.829+/-302.895 χ^2/NDF: 53.8/47

Right: -126.286+/-369.490 χ^2/NDF: 48.7/53

In: -665.804+/-338.611 χ^2/NDF:43.1/46

Out: 670.666+/-324.393 χ^2/NDF:51.6/54

All: 31.078+/-234.246 χ^2/NDF: 102.8/101



Right In: 1943.823+/-0.383 χ^2/NDF: 708722.7/23

Left Out: 1861.731+/-0.299 χ^2/NDF:26014.9/24

Right Out: 1946.707+/-0.357 χ^2/NDF: 389683.8/29

Left In: 1857.661+/-0.307 χ^2/NDF:16381.0/22

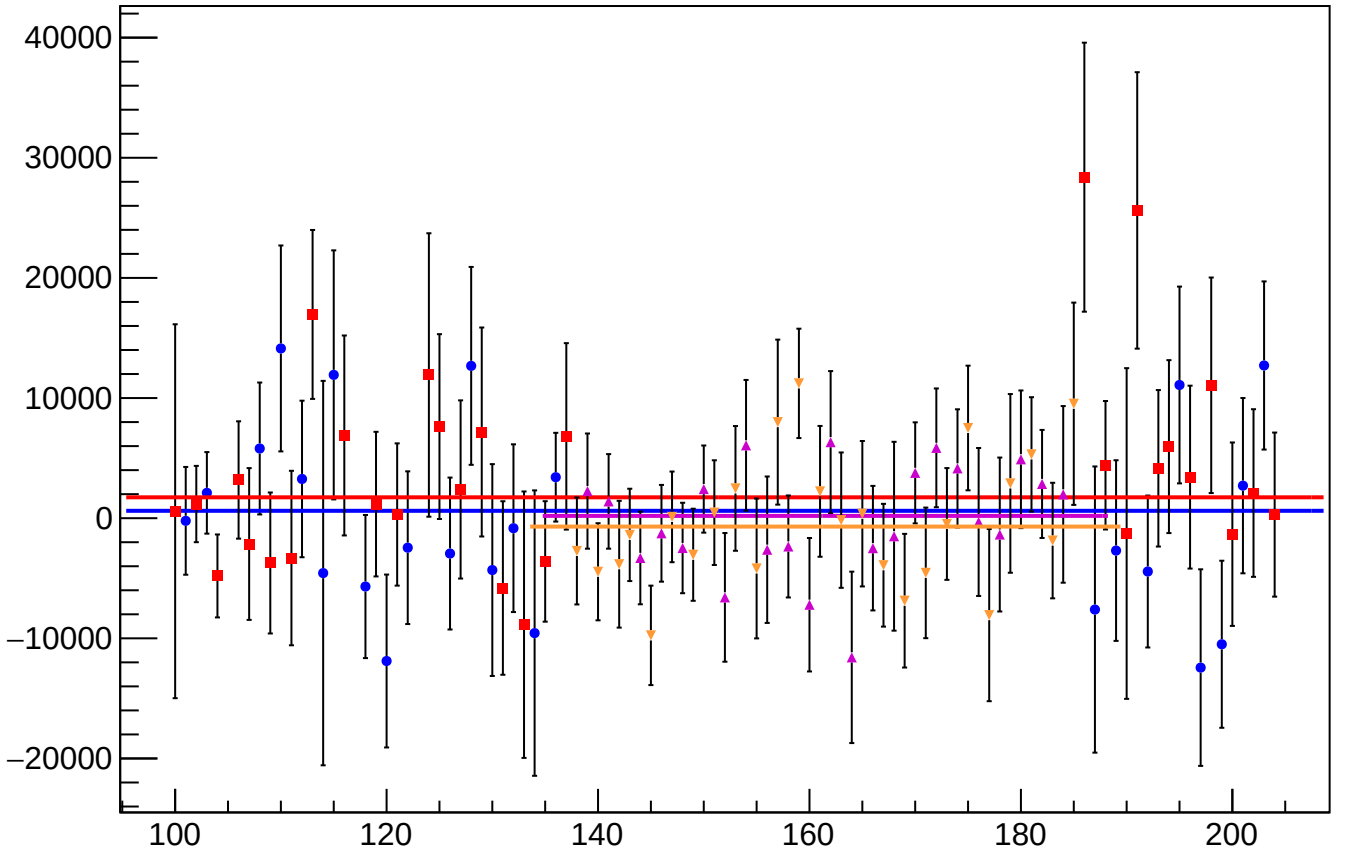
Left: 1859.747+/-0.214 χ^2/NDF: 42486.2/47

Right: 1945.366+/-0.261 χ^2/NDF: 1098436.8/53

In: 1891.339+/-0.239 χ^2/NDF:755935.8/46

Out: 1896.768+/-0.229 χ^2/NDF:448968.8/54

All: 1894.171+/-0.166 χ^2/NDF: 1205172.8/10



Right In: 614.959+/-1307.086 χ^2/NDF: 24.7/23

Left Out: -698.287+/-990.035 χ^2/NDF:25.3/24

Right Out: 1737.529+/-1178.781 χ^2/NDF: 28.0/29

Left In: 192.486+/-1022.469 χ^2/NDF:15.2/22

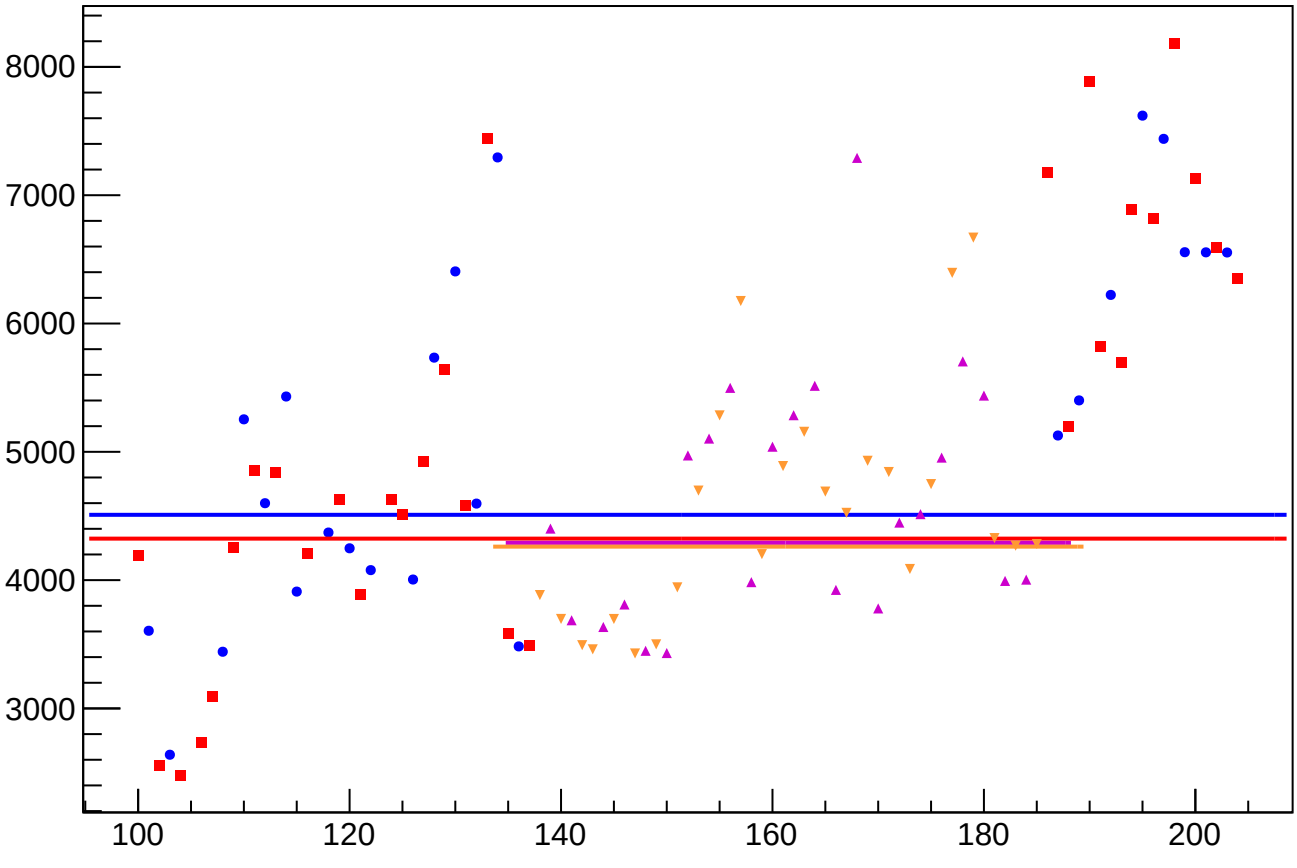
Left: -267.253+/-711.250 χ^2/NDF: 40.9/47

Right: 1234.030+/-875.380 χ^2/NDF: 53.1/53

In: 352.865+/-805.340 χ^2/NDF:39.9/46

Out: 309.232+/-758.119 χ^2/NDF:55.8/54

All: 329.732+/-552.010 χ^2/NDF: 95.7/101



Right In: 4509.058+/-0.924 χ^2/NDF: 2446238.0/23

Left Out: 4261.124+/-0.700 χ^2/NDF:1190561.4/24

Right Out: 4323.518+/-0.834 χ^2/NDF: 3745268.2/29

Left In: 4290.398+/-0.723 χ^2/NDF:1213964.7/22

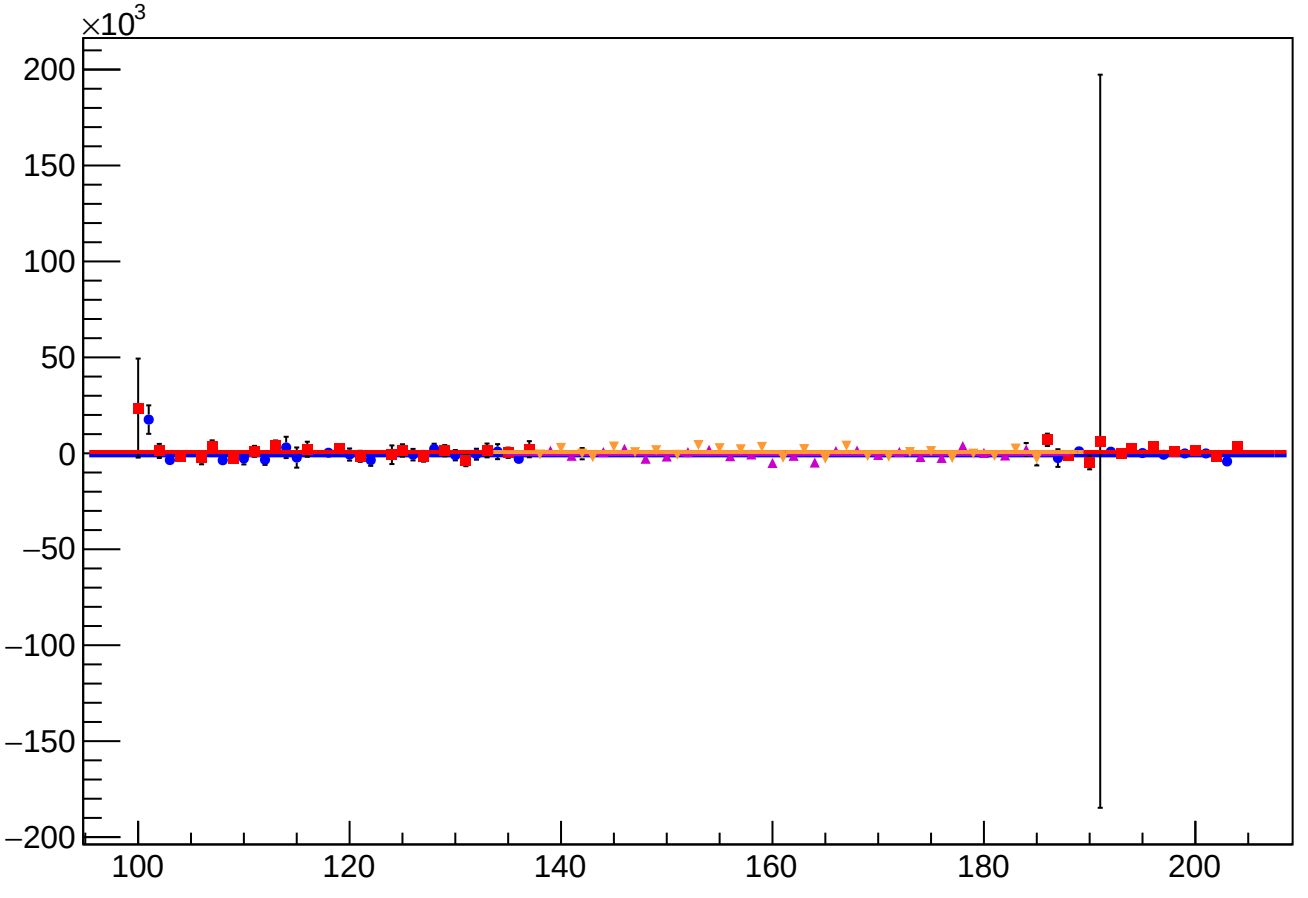
Left: 4275.289+/-0.503 χ^2/NDF: 2405372.2/47

Right: 4406.737+/-0.619 χ^2/NDF: 6213730.2/53

In: 4373.406+/-0.569 χ^2/NDF:3694925.8/46

Out: 4286.932+/-0.536 χ^2/NDF:4939115.3/54

All: 4327.560+/-0.390 χ^2/NDF: 8646266.5/10



Right In: -1063.097+/-541.609 χ^2/NDF: 18.6/23

Left Out: 657.622+/-423.063 χ^2/NDF:27.0/24

Right Out: 689.284+/-505.349 χ^2/NDF: 24.5/29

Left In: -410.869+/-433.856 χ^2/NDF:23.6/22

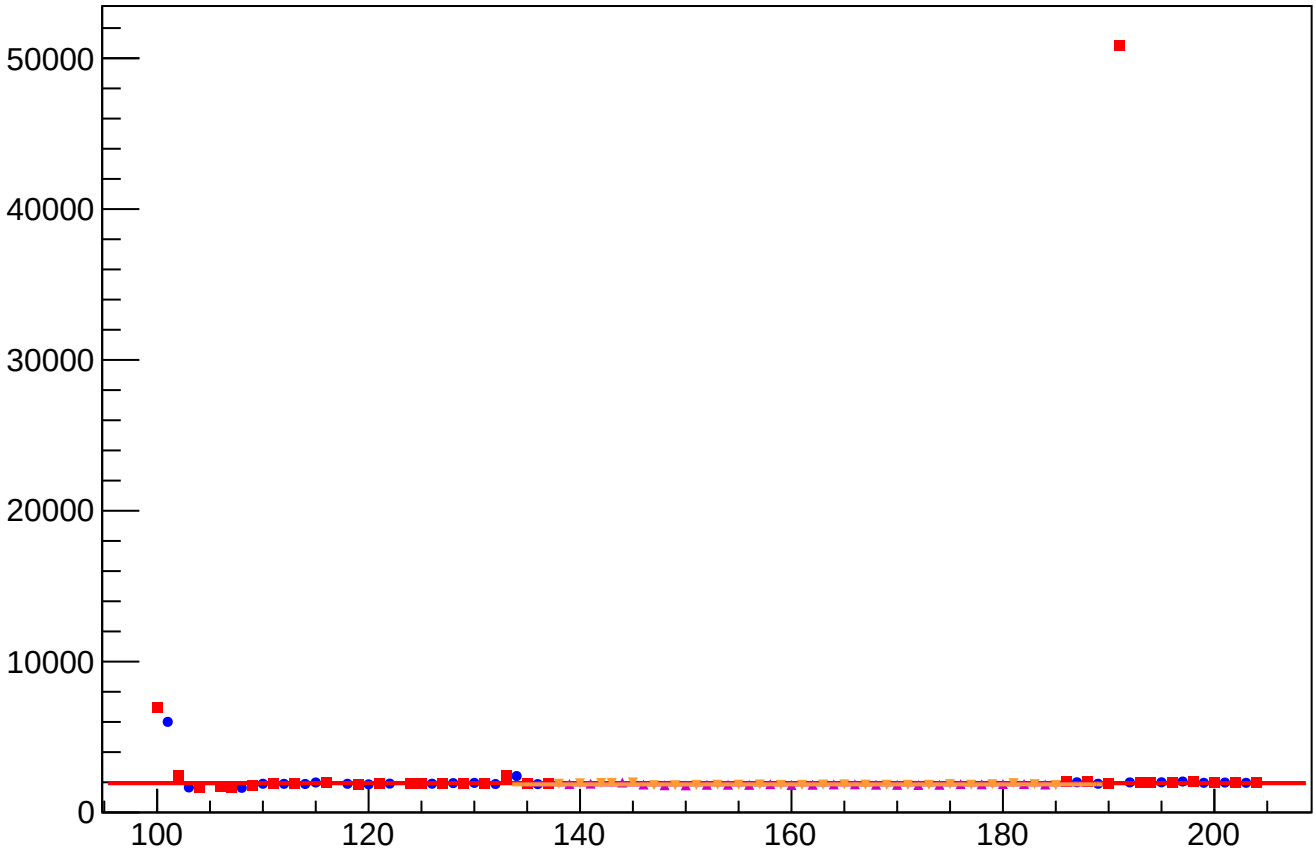
Left: 136.832+/-302.895 χ^2/NDF: 53.8/47

Right: -126.288+/-369.490 χ^2/NDF: 48.7/53

In: -665.804+/-338.611 χ^2/NDF:43.1/46

Out: 670.668+/-324.393 χ^2/NDF:51.6/54

All: 31.079+/-234.246 χ^2/NDF: 102.8/101



Right In: 1943.823+/-0.383 χ^2/NDF: 708722.5/23

Left Out: 1861.731+/-0.299 χ^2/NDF:26014.9/24

Right Out: 1946.707+/-0.357 χ^2/NDF: 389684.0/29

Left In: 1857.661+/-0.307 χ^2/NDF:16380.9/22

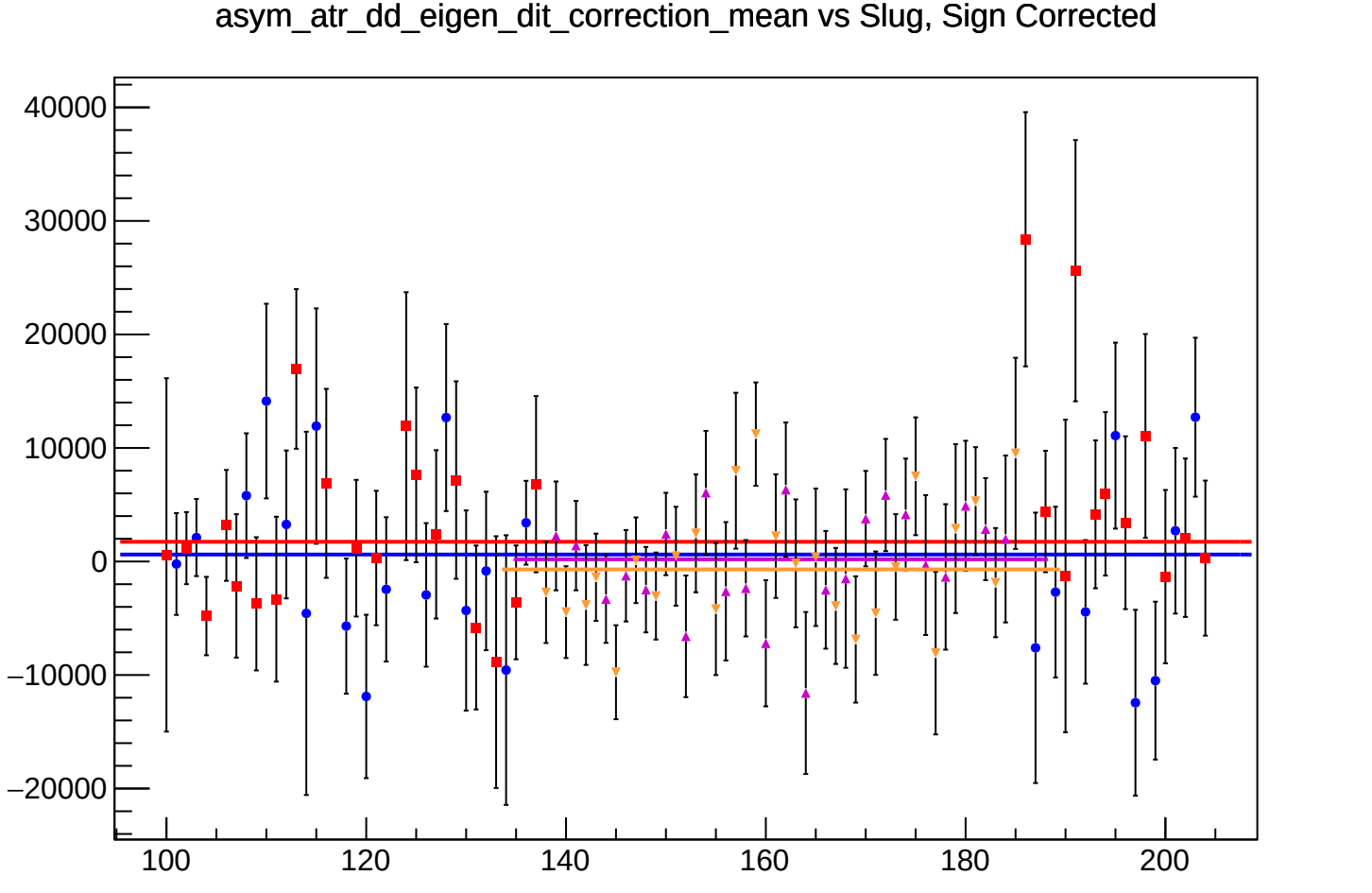
Left: 1859.748+/-0.214 χ^2/NDF: 42486.0/47

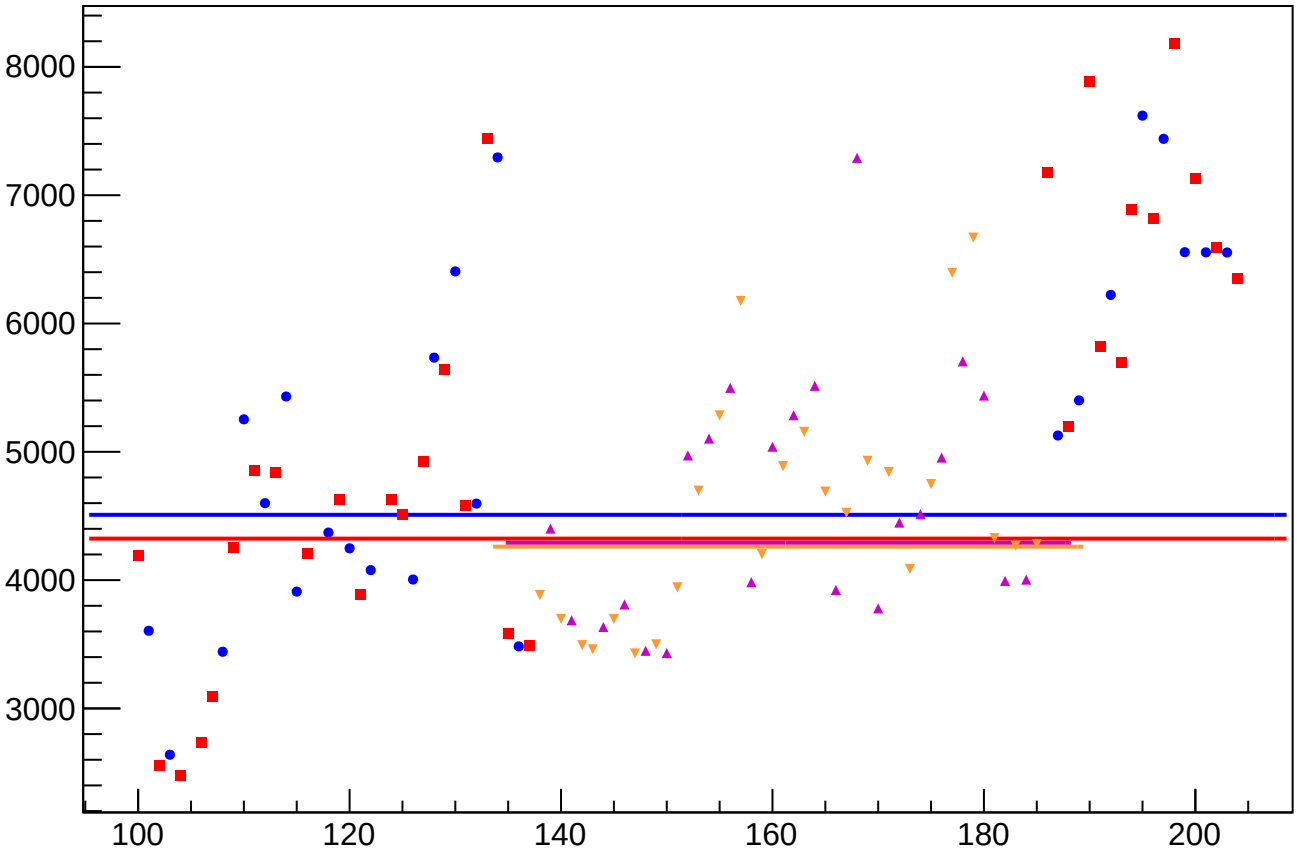
Right: 1945.366+/-0.261 χ^2/NDF: 1098436.9/53

In: 1891.339+/-0.239 χ^2/NDF:755935.1/46

Out: 1896.769+/-0.229 χ^2/NDF:448968.7/54

All: 1894.171+/-0.166 χ^2/NDF: 1205172.0/10


asym_atr_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
100
120
140
160
180
200
Right In: 614.948+/-1307.085 χ²/NDF: 24.7/23
Left Out: -698.285+/-990.036 χ²/NDF:25.3/24
Right Out: 1737.527+/-1178.780 χ²/NDF: 28.0/29
Left In: 192.488+/-1022.471 χ²/NDF:15.2/22
Left: -267.251+/-711.252 χ²/NDF: 40.9/47
Right: 1234.024+/-875.380 χ²/NDF: 53.1/53
In: 352.863+/-805.340 χ²/NDF:39.9/46
Out: 309.235+/-758.120 χ²/NDF:55.8/54
All: 329.732+/-552.011 χ²/NDF: 95.7/101



Right In: 4509.056+/-0.924 χ^2/NDF: 2446240.0/23

Left Out: 4261.131+/-0.700 χ^2/NDF:1190564.2/24

Right Out: 4323.516+/-0.834 χ^2/NDF: 3745271.0/29

Left In: 4290.404+/-0.723 χ^2/NDF:1213970.5/22

Left: 4275.296+/-0.503 χ^2/NDF: 2405380.8/47

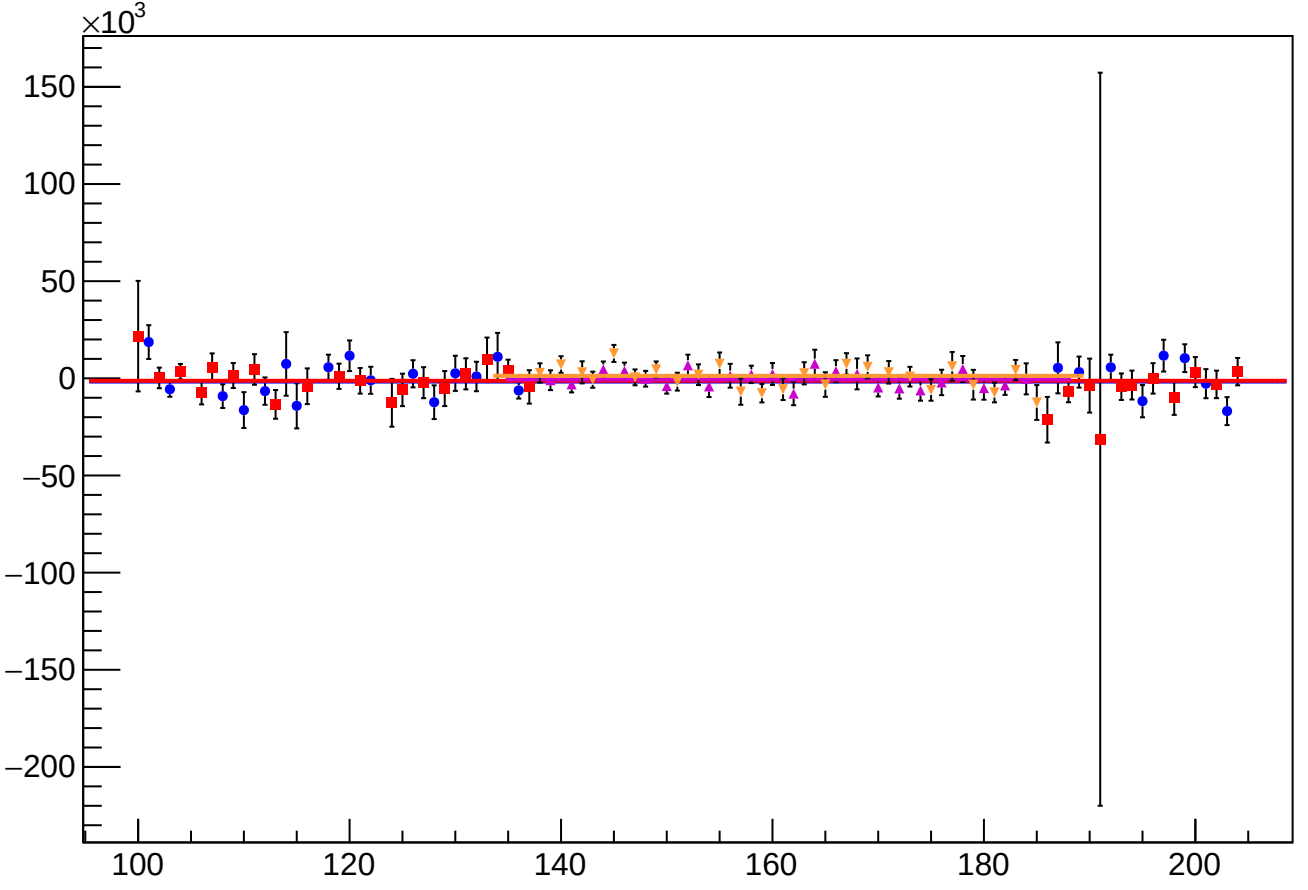
Right: 4406.735+/-0.619 χ^2/NDF: 6213735.3/53

In: 4373.409+/-0.569 χ^2/NDF:3694931.0/46

Out: 4286.935+/-0.536 χ^2/NDF:4939119.9/54

All: 4327.563+/-0.390 χ^2/NDF: 8646276.4/10

asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -1659.978+/-1459.857 χ^2/NDF: 34.4/23

Left Out: 1298.373+/-1049.555 χ^2/NDF:28.5/24

Right Out: -1267.704+/-1351.099 χ^2/NDF: 17.0/29

Left In: -576.442+/-1082.127 χ^2/NDF:14.4/22

Left: 389.606+/-753.400 χ^2/NDF: 44.4/47

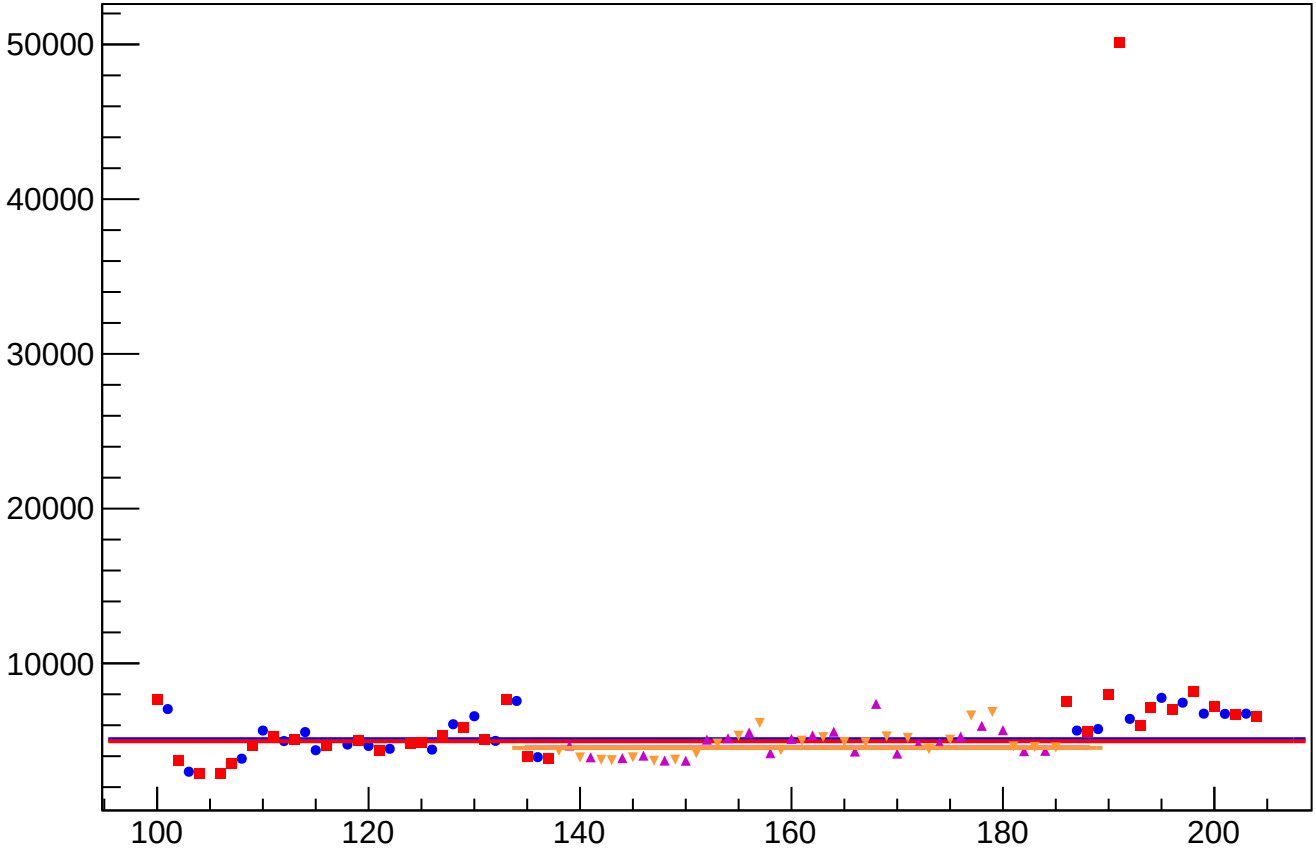
Right: -1448.686+/-991.594 χ^2/NDF: 51.5/53

In: -960.679+/-869.337 χ^2/NDF:49.2/46

Out: 332.651+/-828.855 χ^2/NDF:47.7/54

All: -283.201+/-599.890 χ^2/NDF: 98.1/101

asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 5097.336+/-1.032 χ^2/NDF: 1933663.6/23

Left Out: 4537.934+/-0.742 χ^2/NDF:992905.4/24

Right Out: 4966.758+/-0.950 χ^2/NDF: 2635077.4/29

Left In: 4560.506+/-0.765 χ^2/NDF:980201.3/22

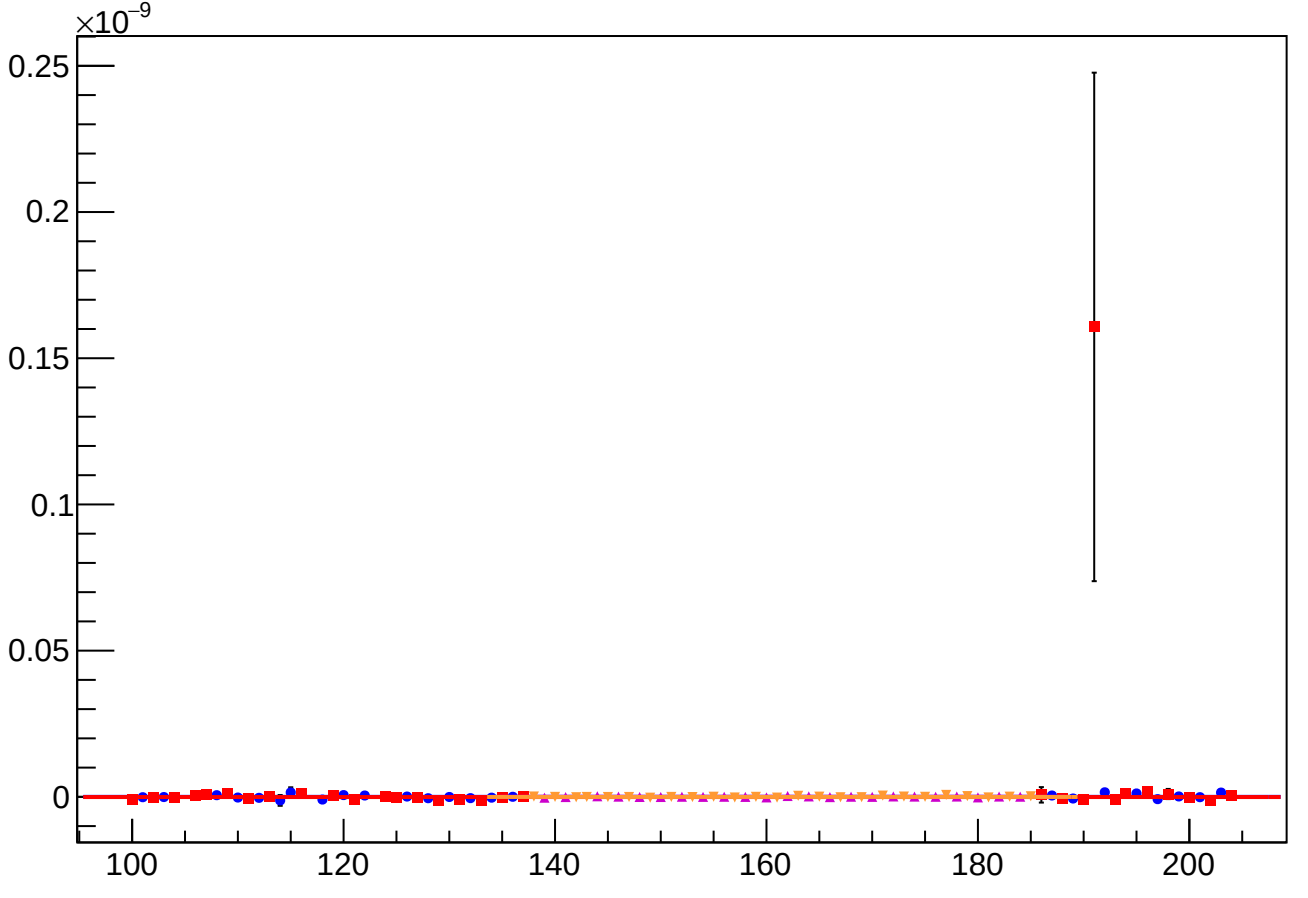
Left: 4548.875+/-0.533 χ^2/NDF: 1973555.1/47

Right: 5026.633+/-0.699 χ^2/NDF: 4577405.1/53

In: 4750.874+/-0.615 χ^2/NDF:3088408.2/46

Out: 4700.466+/-0.585 χ^2/NDF:3754525.7/54

All: 4724.415+/-0.424 χ^2/NDF: 6846463.4/10



Right In: -0.000+/-0.000 χ^2/NDF: 21.2/23

Left Out: -0.000+/-0.000 χ^2/NDF:37.9/24

Right Out: -0.000+/-0.000 χ^2/NDF: 36.1/29

Left In: 0.000+/-0.000 χ^2/NDF:20.6/22

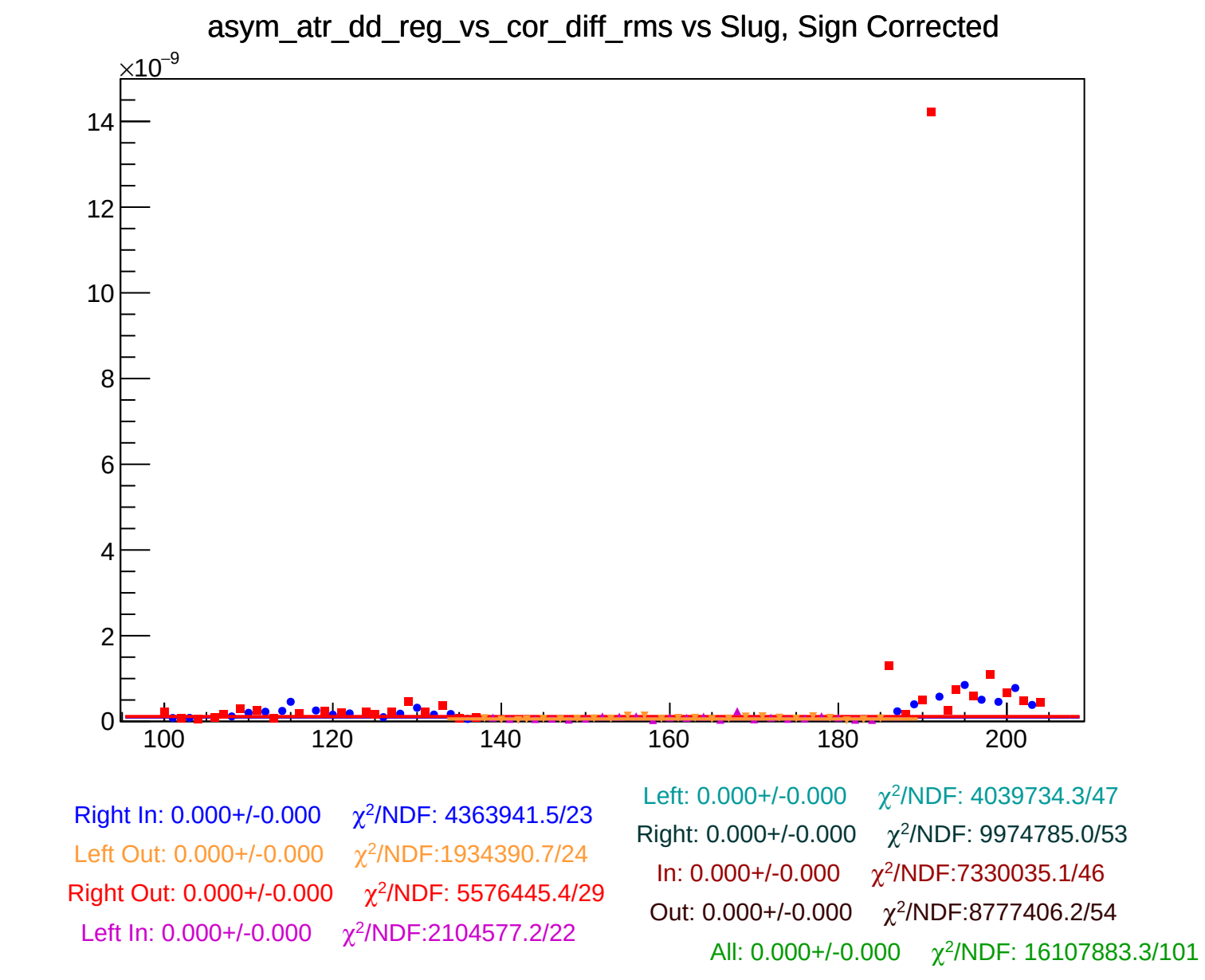
Left: -0.000+/-0.000 χ^2/NDF: 60.1/47

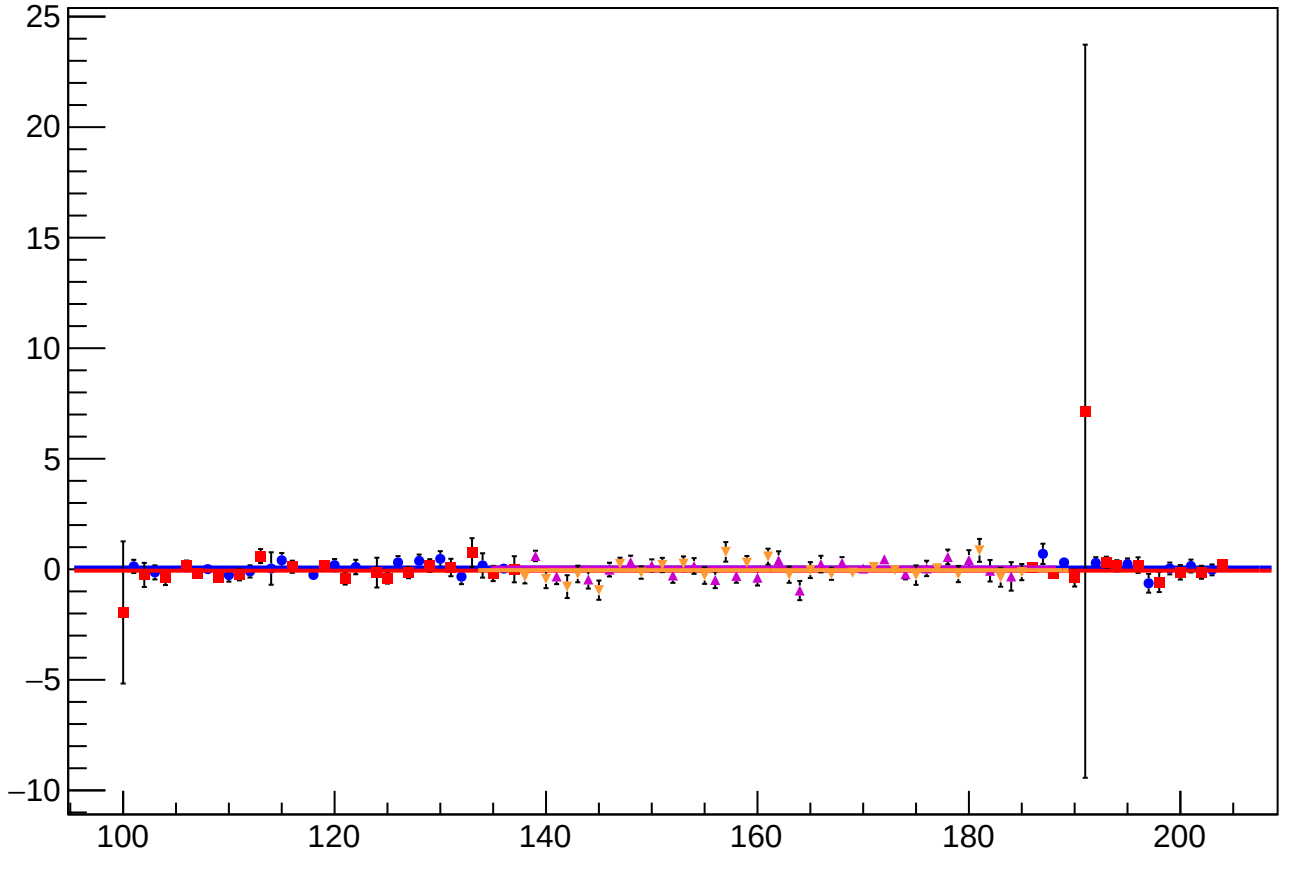
Right: -0.000+/-0.000 χ^2/NDF: 57.8/53

In: 0.000+/-0.000 χ^2/NDF:41.9/46

Out: -0.000+/-0.000 χ^2/NDF:74.3/54

All: -0.000+/-0.000 χ^2/NDF: 118.1/101


asym_atr_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
14
12
10
8
6
4
2
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 4363941.5/23
Left Out: 0.000+/-0.000 χ²/NDF:1934390.7/24
Right Out: 0.000+/-0.000 χ²/NDF: 5576445.4/29
Left In: 0.000+/-0.000 χ²/NDF:2104577.2/22
Left: 0.000+/-0.000 χ²/NDF: 4039734.3/47
Right: 0.000+/-0.000 χ²/NDF: 9974785.0/53
In: 0.000+/-0.000 χ²/NDF:7330035.1/46
Out: 0.000+/-0.000 χ²/NDF:8777406.2/54
All: 0.000+/-0.000 χ²/NDF: 16107883.3/101



Right In: 0.080+/-0.057 χ^2/NDF: 18.1/23

Left Out: -0.038+/-0.062 χ^2/NDF:24.4/24

Right Out: -0.062+/-0.051 χ^2/NDF: 26.3/29

Left In: 0.078+/-0.065 χ^2/NDF:31.1/22

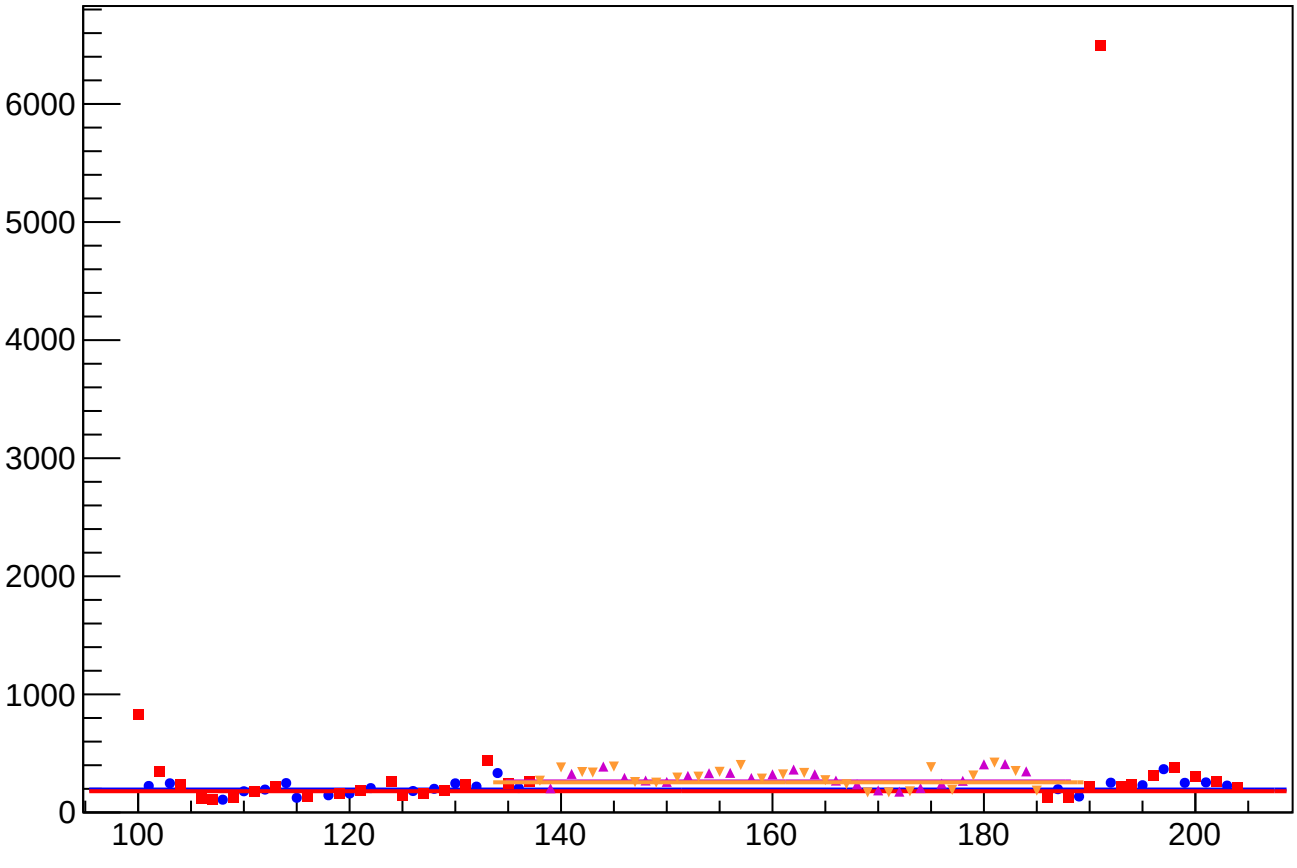
Left: 0.017+/-0.045 χ^2/NDF: 57.2/47

Right: 0.001+/-0.038 χ^2/NDF: 47.9/53

In: 0.079+/-0.043 χ^2/NDF:49.2/46

Out: -0.052+/-0.039 χ^2/NDF:50.9/54

All: 0.008+/-0.029 χ^2/NDF: 105.2/101



Right In: 194.101+/-0.040 χ^2/NDF: 1862563.8/23

Left Out: 255.355+/-0.044 χ^2/NDF:2935324.6/24

Right Out: 179.769+/-0.036 χ^2/NDF: 3526728.9/29

Left In: 262.788+/-0.046 χ^2/NDF:2025363.4/22

Left: 258.898+/-0.032 χ^2/NDF: 4974421.6/47

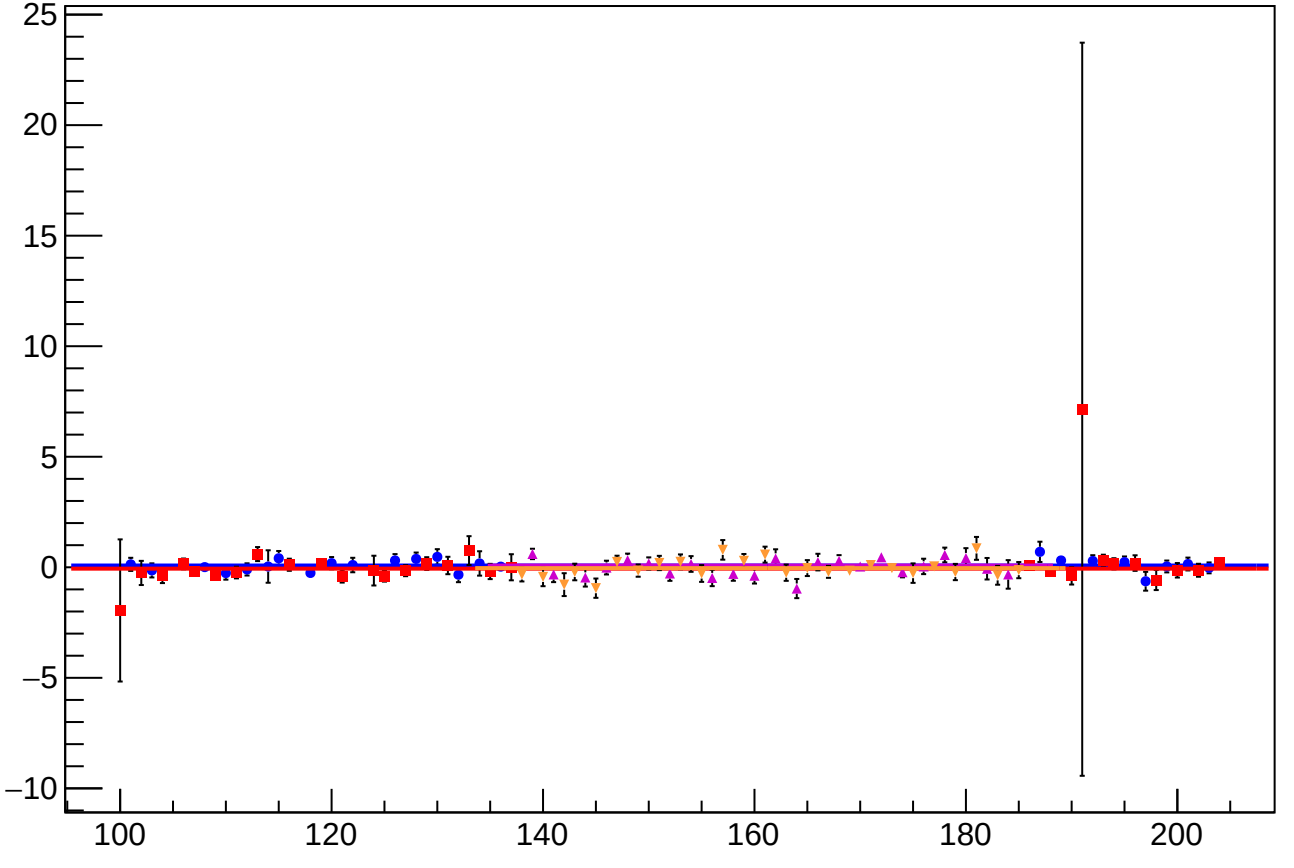
Right: 186.134+/-0.027 χ^2/NDF: 5459899.4/53

In: 223.943+/-0.030 χ^2/NDF:5155410.3/46

Out: 210.196+/-0.028 χ^2/NDF:8242451.1/54

All: 216.487+/-0.020 χ^2/NDF: 13509926.0/10

asym_atr_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.080+/-0.057 χ^2/NDF: 18.1/23

Left Out: -0.038+/-0.062 χ^2/NDF:24.4/24

Right Out: -0.062+/-0.051 χ^2/NDF: 26.3/29

Left In: 0.078+/-0.065 χ^2/NDF:31.1/22

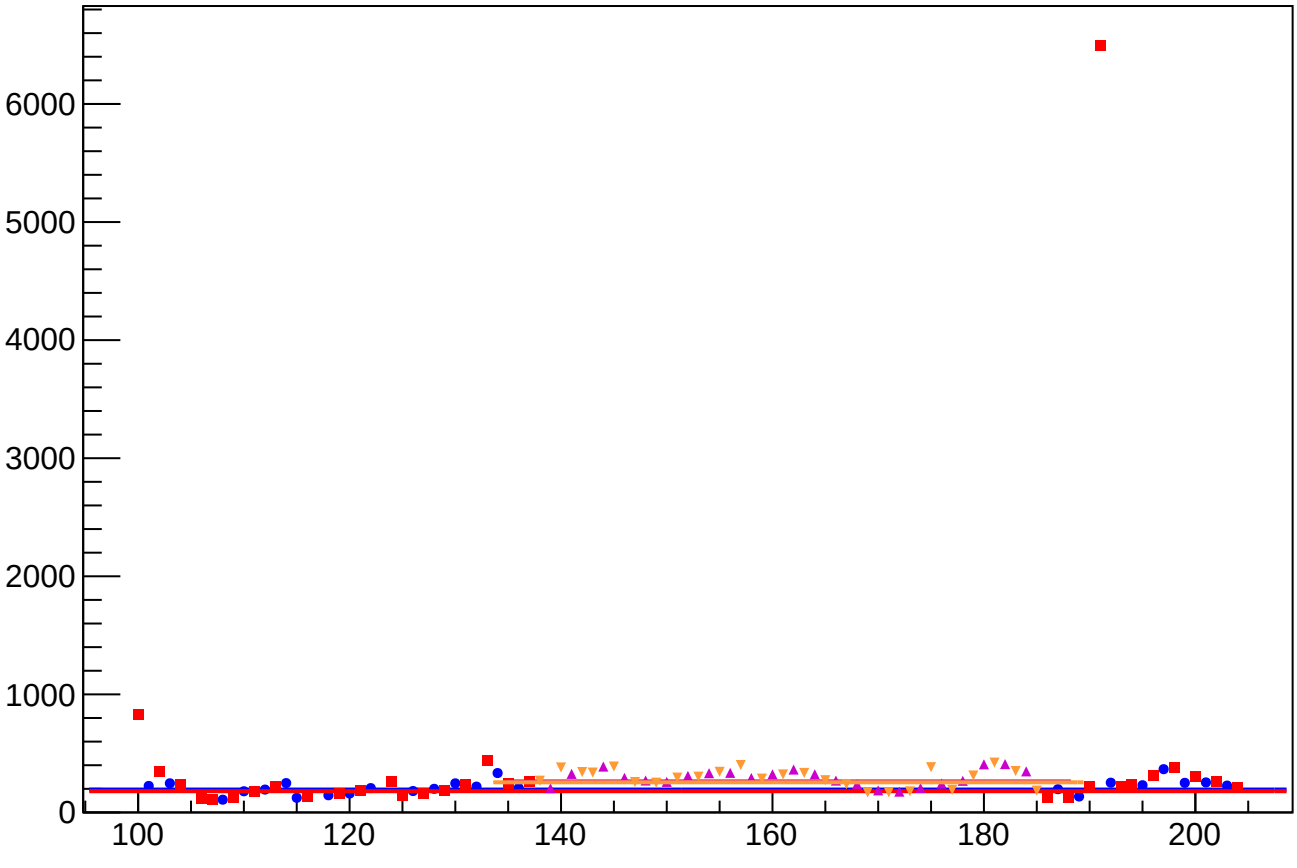
Left: 0.017+/-0.045 χ^2/NDF: 57.2/47

Right: 0.001+/-0.038 χ^2/NDF: 47.9/53

In: 0.079+/-0.043 χ^2/NDF:49.2/46

Out: -0.052+/-0.039 χ^2/NDF:50.9/54

All: 0.008+/-0.029 χ^2/NDF: 105.2/101



Right In: 194.101+/-0.040 χ^2/NDF: 1862563.8/23

Left Out: 255.355+/-0.044 χ^2/NDF:2935324.6/24

Right Out: 179.769+/-0.036 χ^2/NDF: 3526728.9/29

Left In: 262.788+/-0.046 χ^2/NDF:2025363.4/22

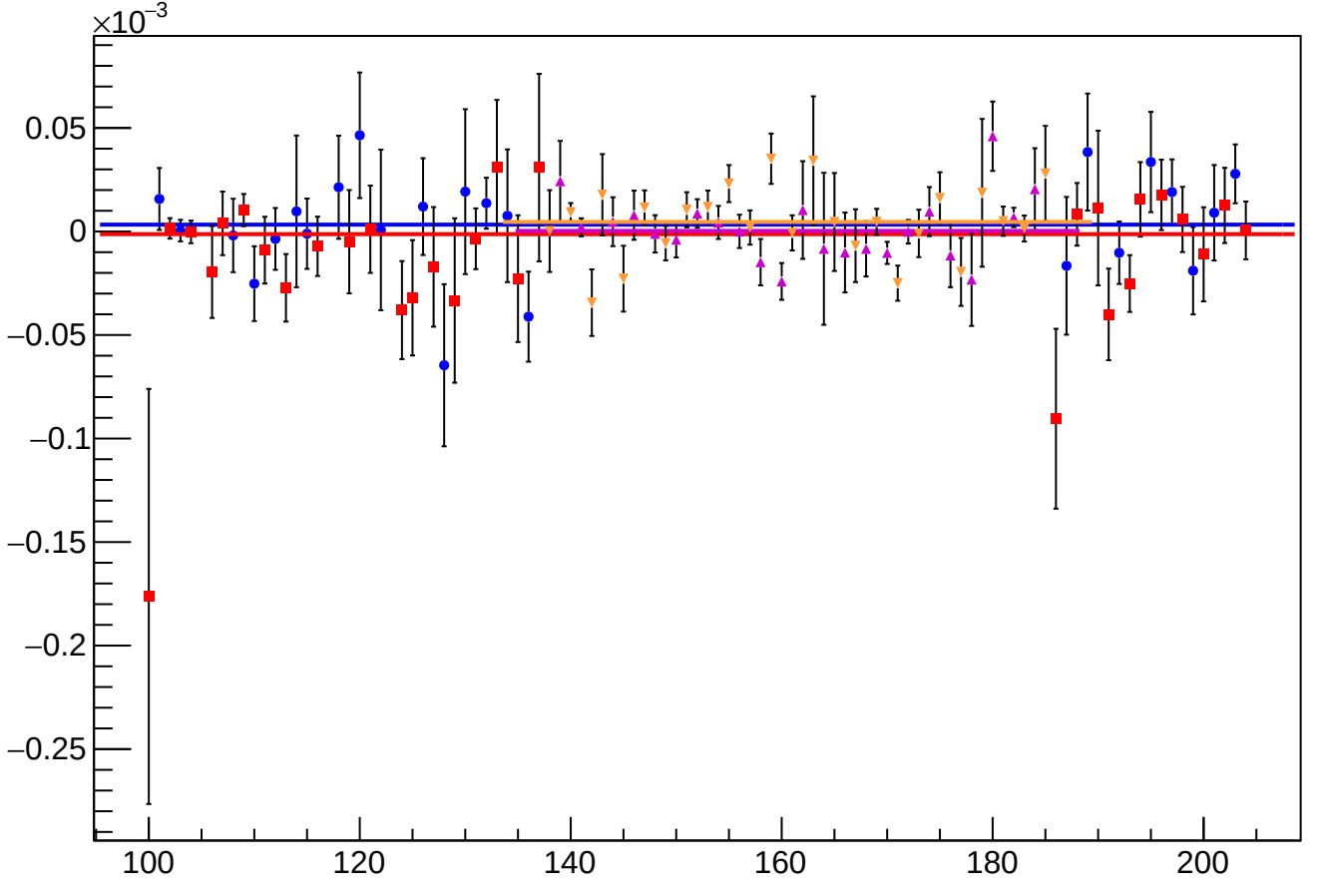
Left: 258.898+/-0.032 χ^2/NDF: 4974421.6/47

Right: 186.134+/-0.027 χ^2/NDF: 5459899.4/53

In: 223.943+/-0.030 χ^2/NDF:5155410.3/46

Out: 210.196+/-0.028 χ^2/NDF:8242451.1/54

All: 216.487+/-0.020 χ^2/NDF: 13509926.0/10



Right In: 0.000+/-0.000 χ^2/NDF: 24.1/23

Left Out: 0.000+/-0.000 χ^2/NDF:43.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 29.9/29

Left In: 0.000+/-0.000 χ^2/NDF:31.2/22

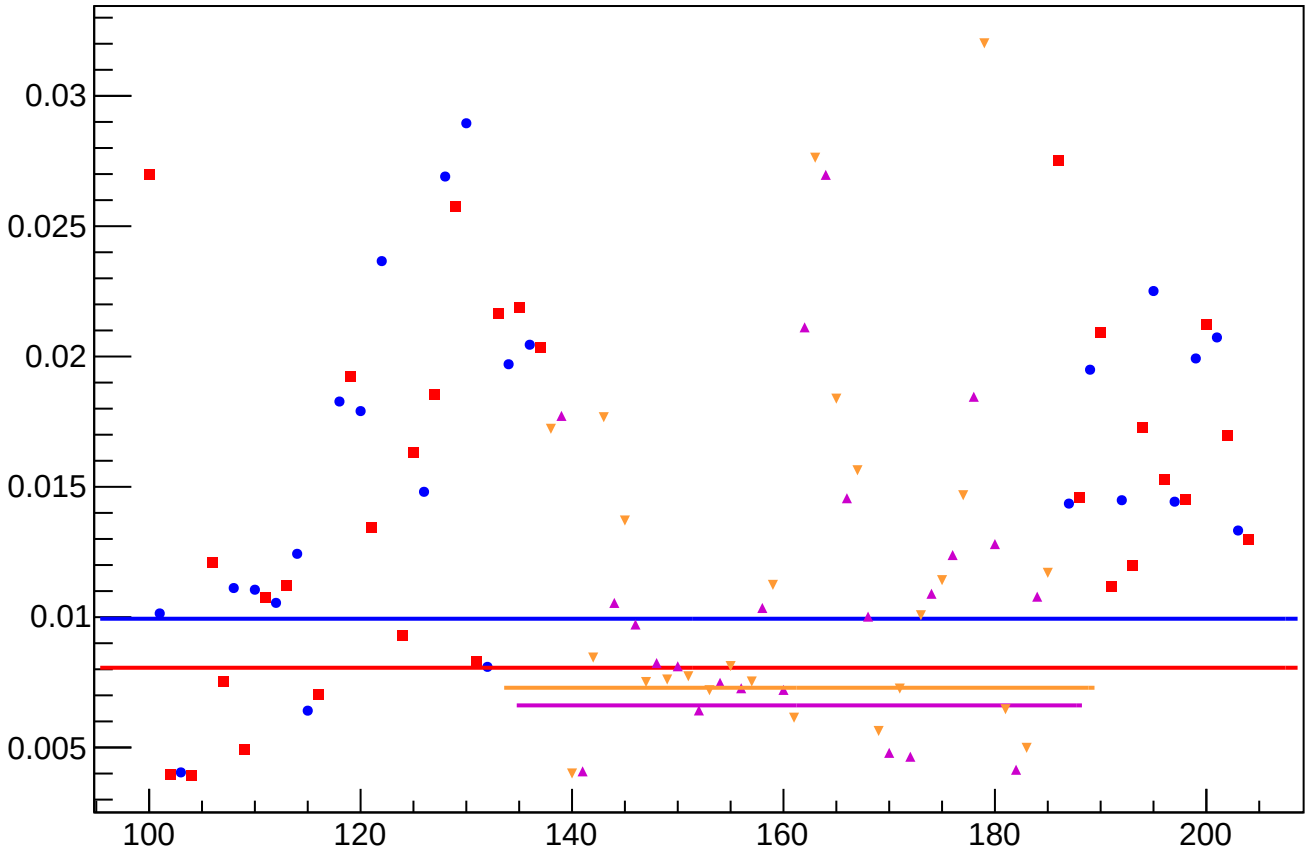
Left: 0.000+/-0.000 χ^2/NDF: 77.4/47

Right: 0.000+/-0.000 χ^2/NDF: 55.2/53

In: 0.000+/-0.000 χ^2/NDF:56.0/46

Out: 0.000+/-0.000 χ^2/NDF:76.8/54

All: 0.000+/-0.000 χ^2/NDF: 133.3/101



Right In: 0.010+/-0.000 χ^2/NDF: 7059996.6/23

Left Out: 0.007+/-0.000 χ^2/NDF:6772003.6/24

Right Out: 0.008+/-0.000 χ^2/NDF: 9256334.6/29

Left In: 0.007+/-0.000 χ^2/NDF:6410135.0/22

Left: 0.007+/-0.000 χ^2/NDF: 13317745.0/47

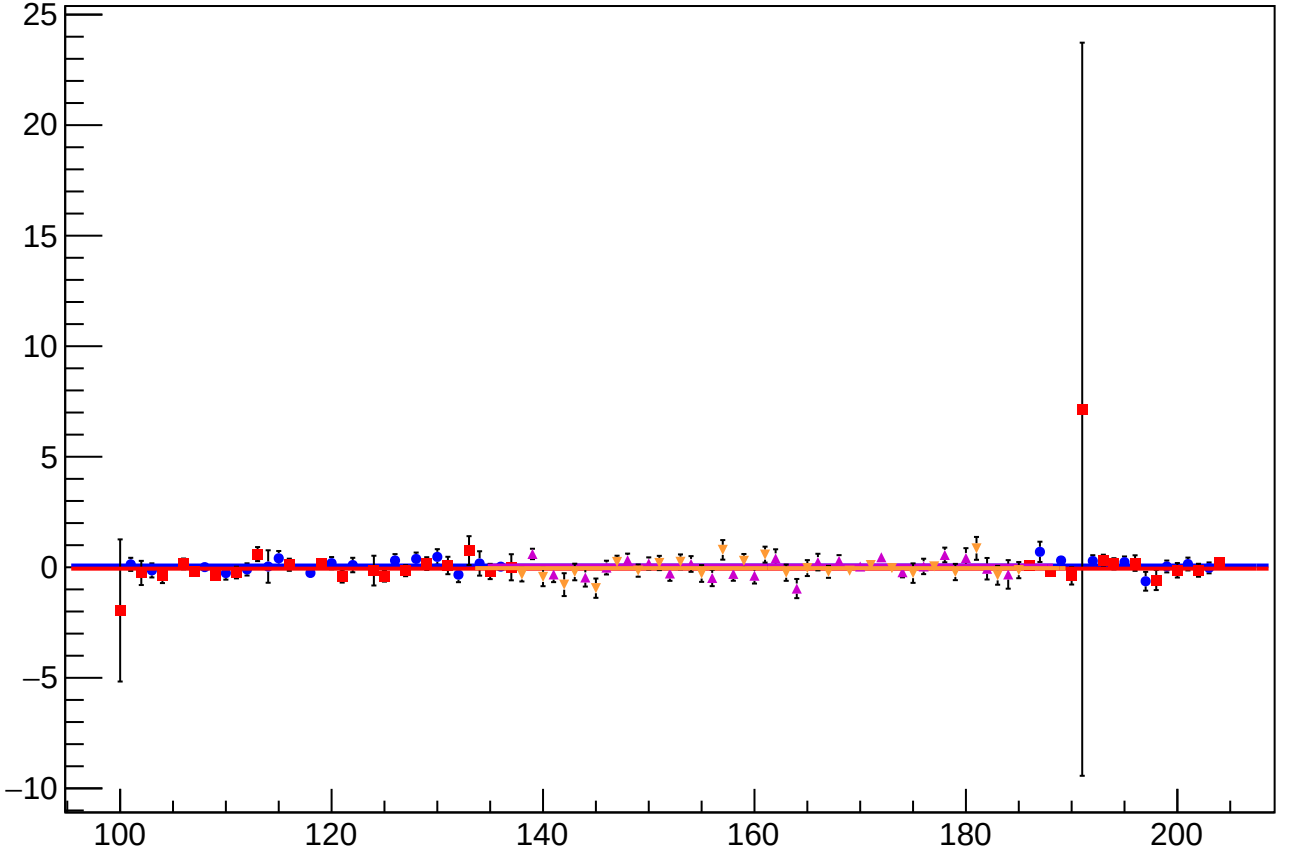
Right: 0.009+/-0.000 χ^2/NDF: 16734587.2/53

In: 0.007+/-0.000 χ^2/NDF:15063234.9/46

Out: 0.008+/-0.000 χ^2/NDF:16148717.7/54

All: 0.007+/-0.000 χ^2/NDF: 31225690.7/101

asym_atr_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.080+/-0.057 χ^2/NDF: 18.1/23

Left Out: -0.038+/-0.062 χ^2/NDF:24.4/24

Right Out: -0.062+/-0.051 χ^2/NDF: 26.3/29

Left In: 0.078+/-0.065 χ^2/NDF:31.1/22

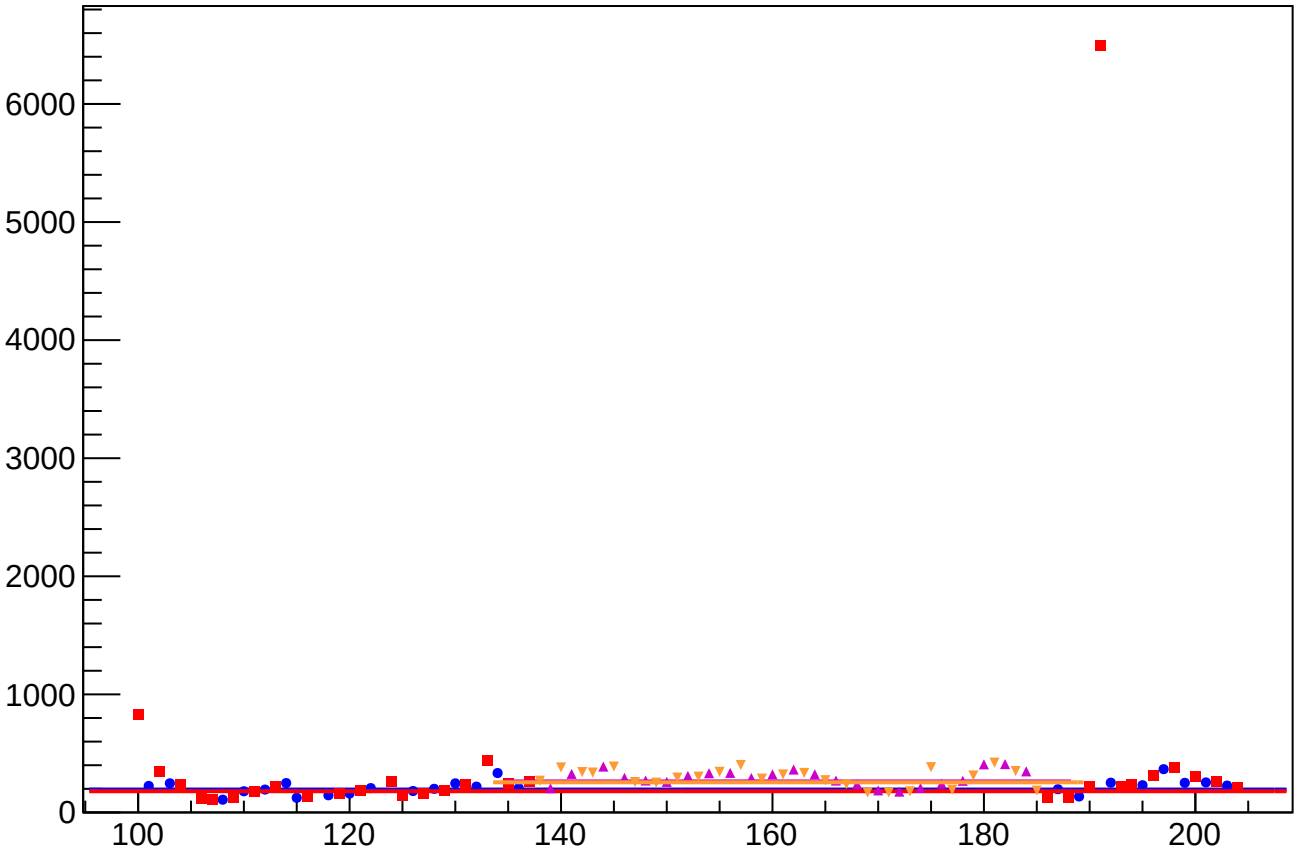
Left: 0.017+/-0.045 χ^2/NDF: 57.2/47

Right: 0.001+/-0.038 χ^2/NDF: 47.9/53

In: 0.079+/-0.043 χ^2/NDF:49.2/46

Out: -0.052+/-0.039 χ^2/NDF:50.9/54

All: 0.008+/-0.029 χ^2/NDF: 105.2/101



Right In: 194.101+/-0.040 χ^2/NDF: 1862572.5/23

Left Out: 255.357+/-0.044 χ^2/NDF:2935428.4/24

Right Out: 179.771+/-0.036 χ^2/NDF: 3526689.0/29

Left In: 262.790+/-0.046 χ^2/NDF:2025402.0/22

Left: 258.900+/-0.032 χ^2/NDF: 4974565.9/47

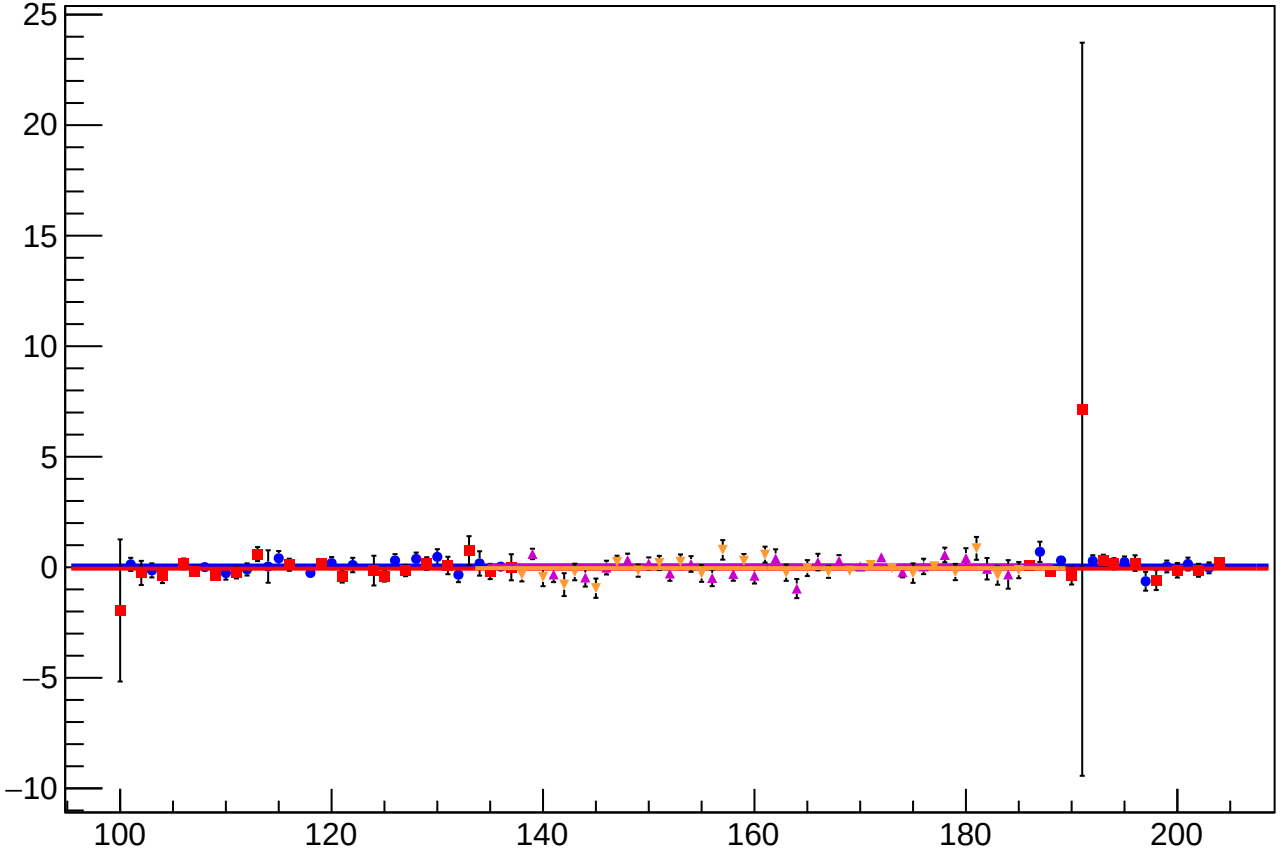
Right: 186.134+/-0.027 χ^2/NDF: 5459852.4/53

In: 223.944+/-0.030 χ^2/NDF:5155538.4/46

Out: 210.198+/-0.028 χ^2/NDF:8242506.3/54

All: 216.489+/-0.020 χ^2/NDF: 13510092.6/10

asym_atr_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.080+/-0.057 χ^2/NDF: 18.1/23

Left Out: -0.038+/-0.062 χ^2/NDF:24.4/24

Right Out: -0.062+/-0.051 χ^2/NDF: 26.3/29

Left In: 0.078+/-0.065 χ^2/NDF:31.1/22

Left: 0.017+/-0.045 χ^2/NDF: 57.2/47

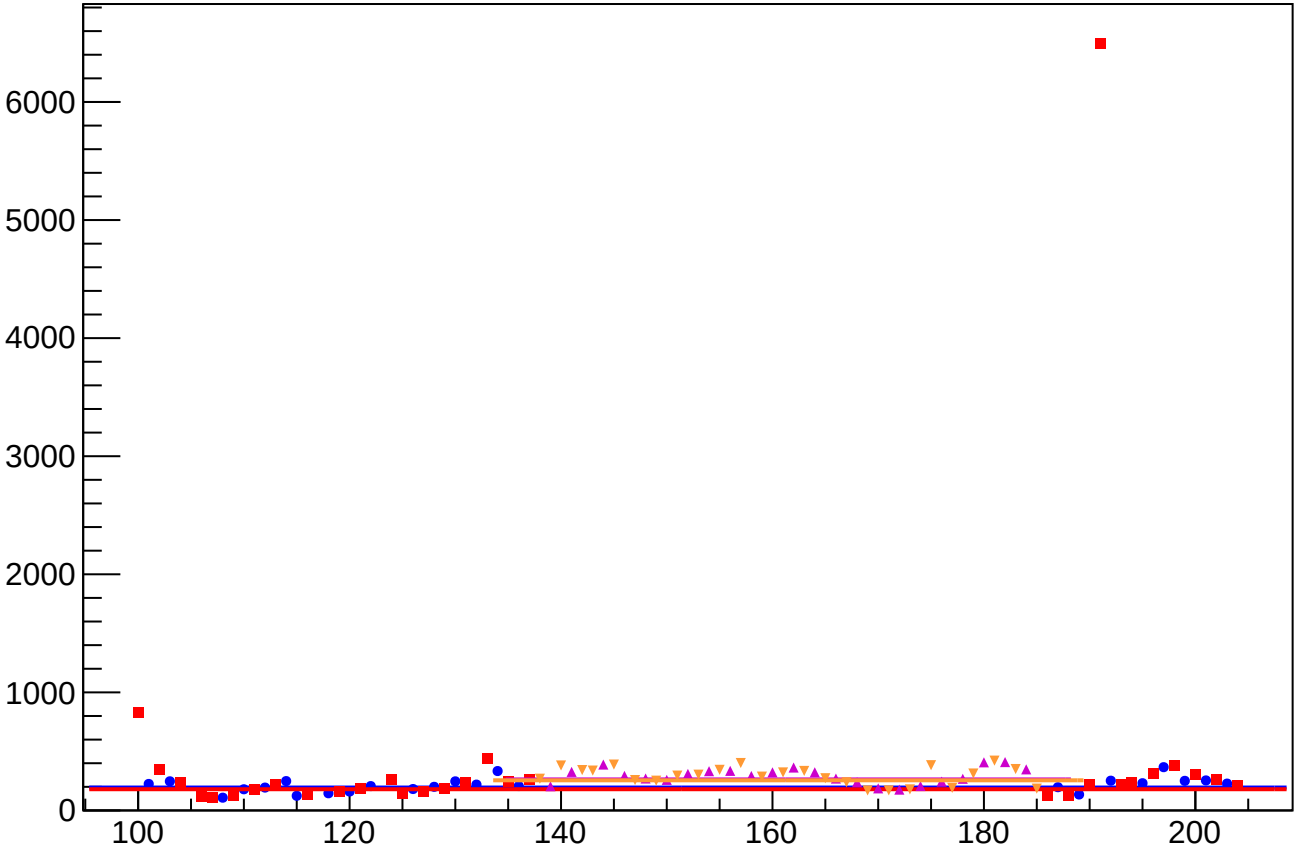
Right: 0.001+/-0.038 χ^2/NDF: 47.9/53

In: 0.079+/-0.043 χ^2/NDF:49.2/46

Out: -0.052+/-0.039 χ^2/NDF:50.9/54

All: 0.008+/-0.029 χ^2/NDF: 105.2/101

asym_atr_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 194.101+/-0.040 χ^2/NDF: 1862572.5/23

Left Out: 255.357+/-0.044 χ^2/NDF:2935428.4/24

Right Out: 179.771+/-0.036 χ^2/NDF: 3526689.0/29

Left In: 262.790+/-0.046 χ^2/NDF:2025402.0/22

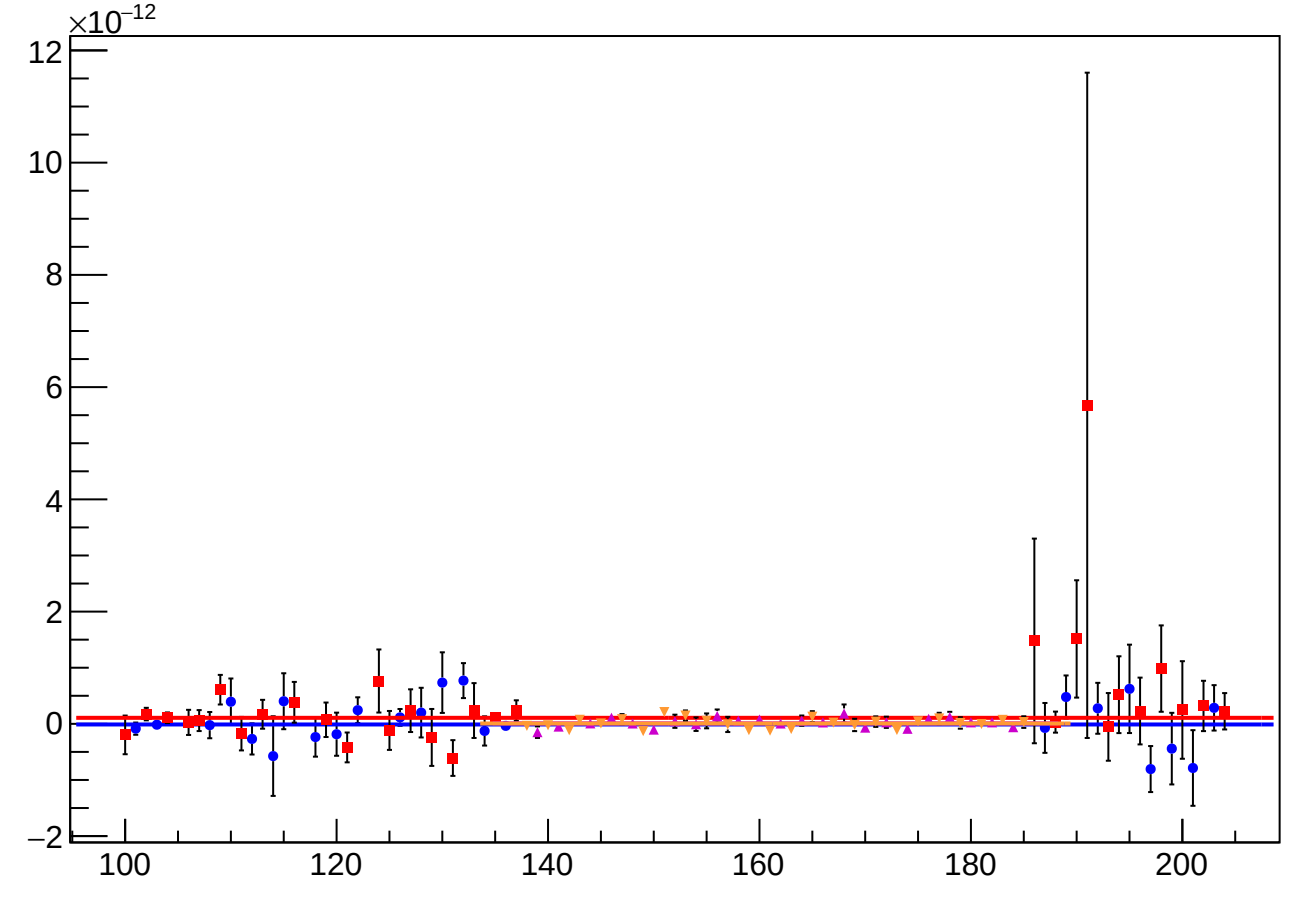
Left: 258.900+/-0.032 χ^2/NDF: 4974565.9/47

Right: 186.134+/-0.027 χ^2/NDF: 5459852.4/53

In: 223.944+/-0.030 χ^2/NDF:5155538.4/46

Out: 210.198+/-0.028 χ^2/NDF:8242506.3/54

All: 216.489+/-0.020 χ^2/NDF: 13510092.6/10



Right In: -0.000+/-0.000 χ^2/NDF: 23.8/23

Left Out: 0.000+/-0.000 χ^2/NDF:30.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 24.0/29

Left In: 0.000+/-0.000 χ^2/NDF:21.2/22

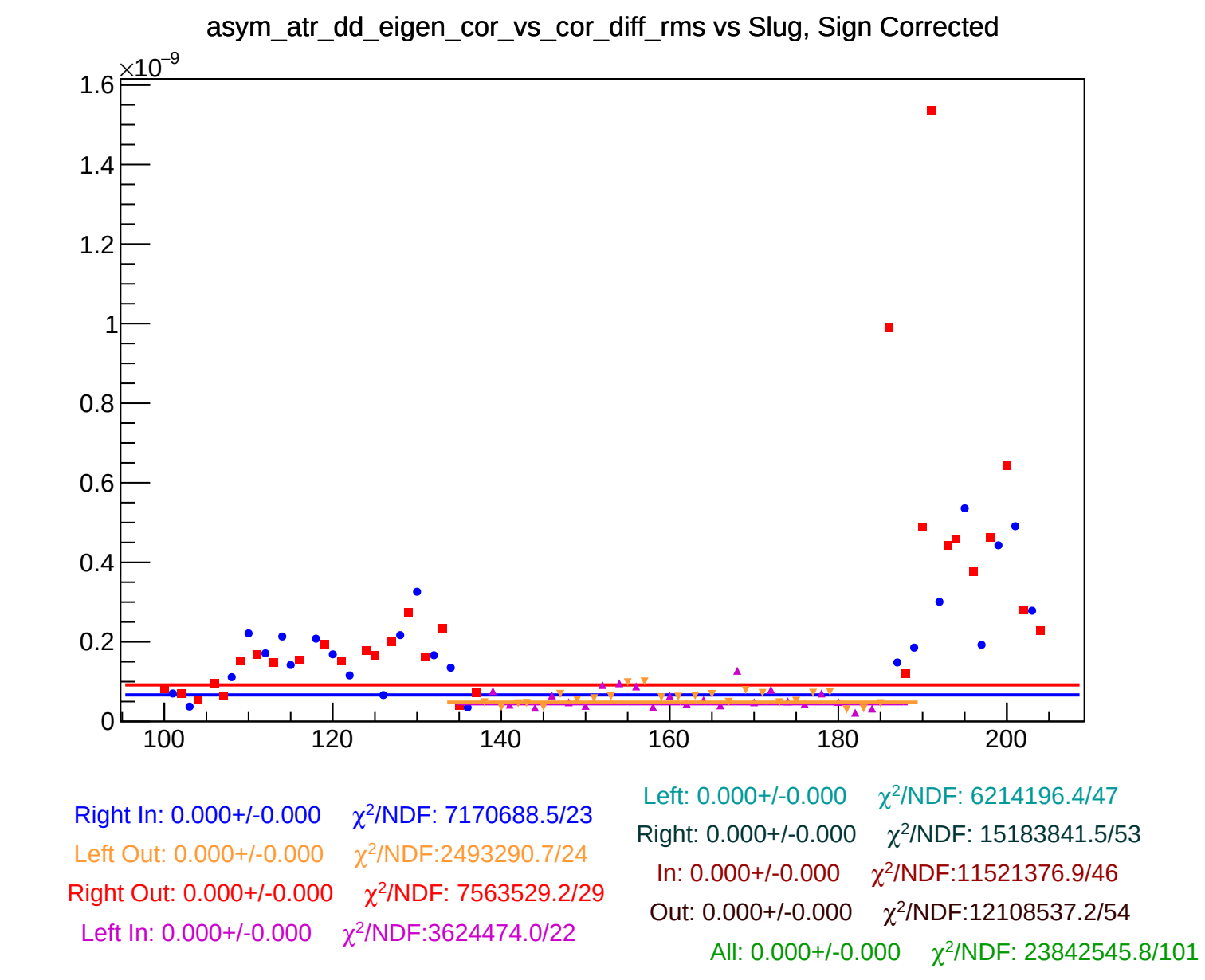
Left: 0.000+/-0.000 χ^2/NDF: 51.8/47

Right: 0.000+/-0.000 χ^2/NDF: 52.8/53

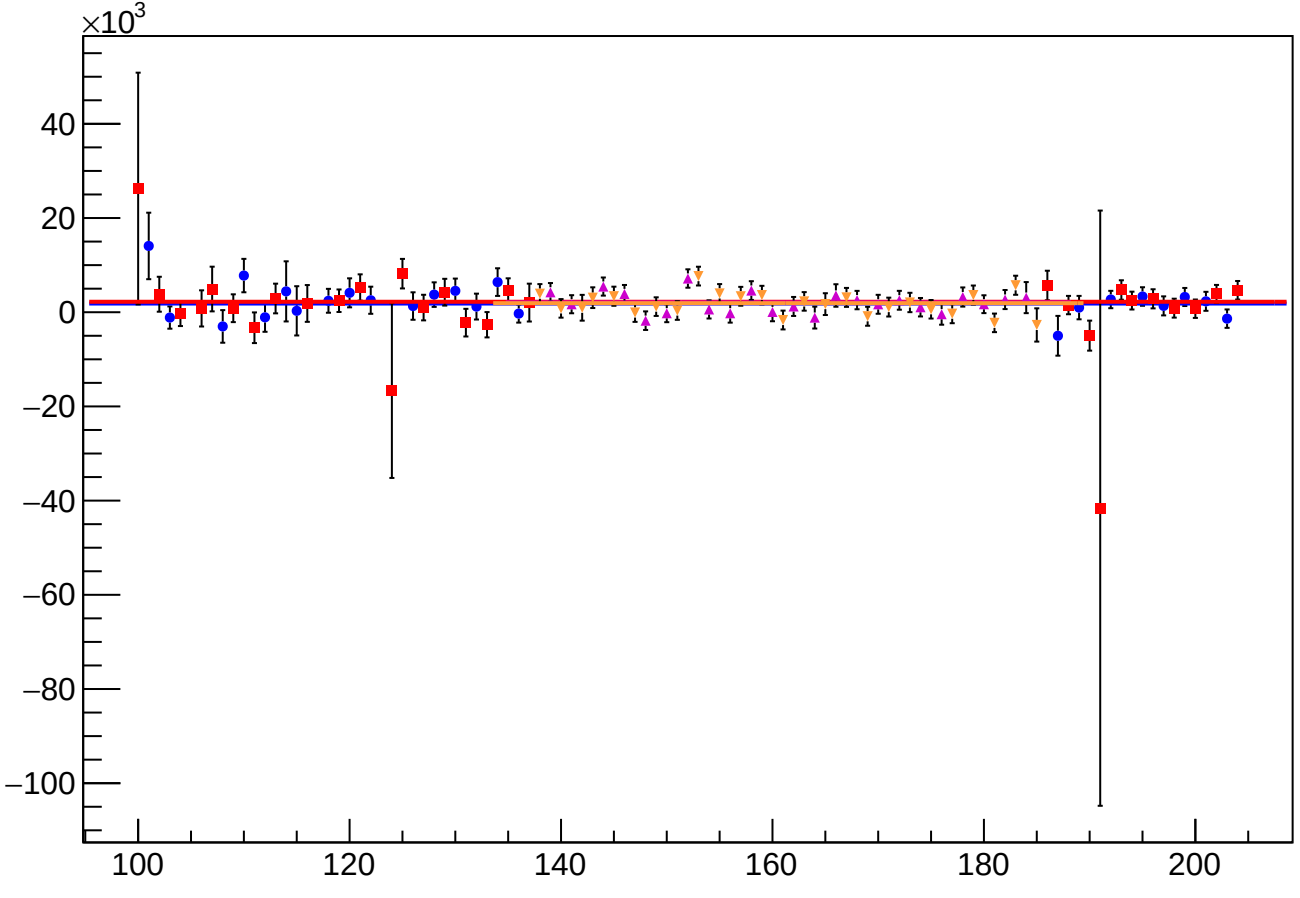
In: 0.000+/-0.000 χ^2/NDF:45.3/46

Out: 0.000+/-0.000 χ^2/NDF:60.2/54

All: 0.000+/-0.000 χ^2/NDF: 105.9/101


asym_atr_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 7170688.5/23
Left Out: 0.000+/-0.000 χ²/NDF:2493290.7/24
Right Out: 0.000+/-0.000 χ²/NDF: 7563529.2/29
Left In: 0.000+/-0.000 χ²/NDF:3624474.0/22
Left: 0.000+/-0.000 χ²/NDF: 6214196.4/47
Right: 0.000+/-0.000 χ²/NDF: 15183841.5/53
In: 0.000+/-0.000 χ²/NDF:11521376.9/46
Out: 0.000+/-0.000 χ²/NDF:12108537.2/54
All: 0.000+/-0.000 χ²/NDF: 23842545.8/101

reg_asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 1845.680+/-524.119 χ^2/NDF: 23.4/23

Left Out: 1920.623+/-412.915 χ^2/NDF:32.5/24

Right Out: 2223.098+/-493.814 χ^2/NDF: 30.5/29

Left In: 2074.205+/-423.203 χ^2/NDF:26.5/22

Left: 1995.525+/-295.545 χ^2/NDF: 59.1/47

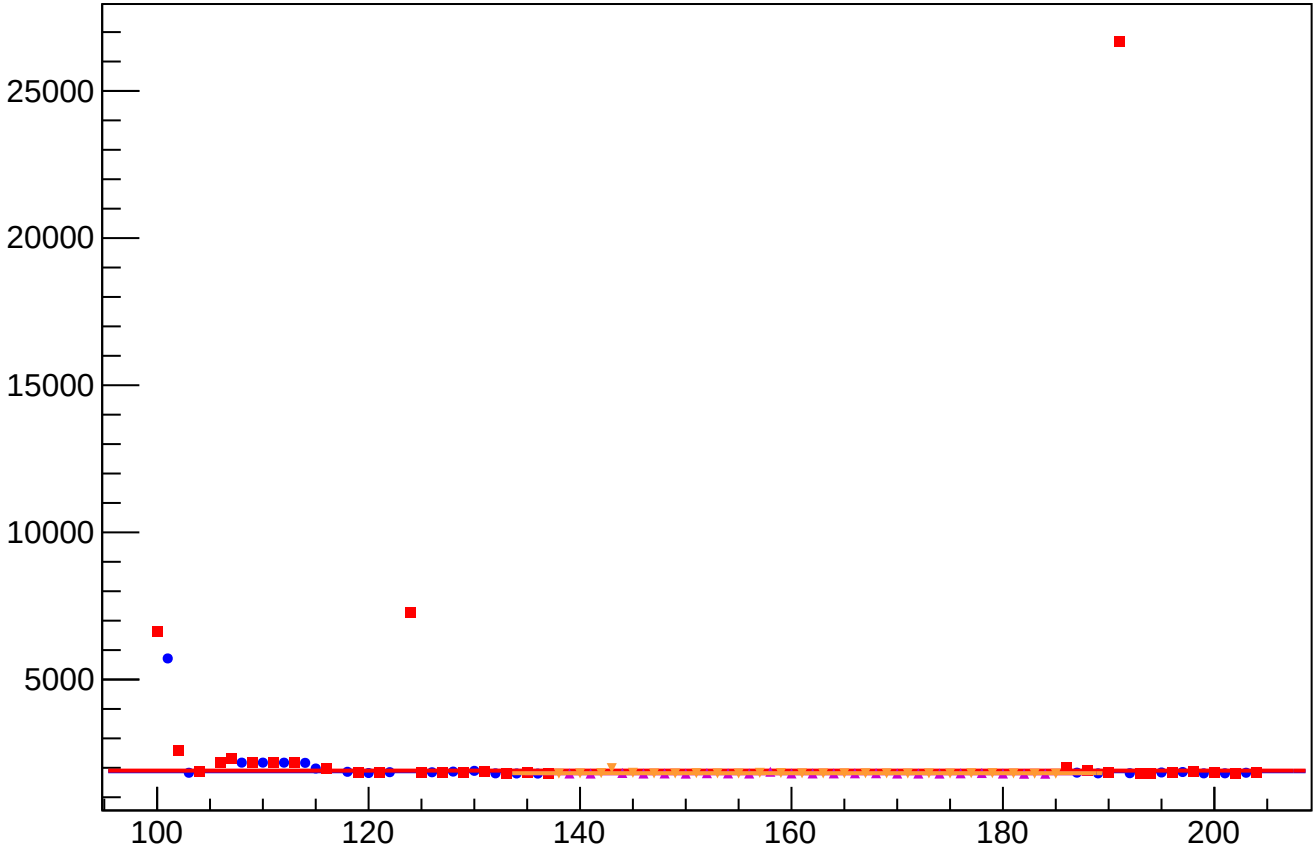
Right: 2045.615+/-359.415 χ^2/NDF: 54.2/53

In: 1984.014+/-329.265 χ^2/NDF:50.0/46

Out: 2045.087+/-316.767 χ^2/NDF:63.2/54

All: 2015.731+/-228.278 χ^2/NDF: 113.3/101

reg_asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 1882.860+/-0.371 χ^2/NDF: 661148.8/23

Left Out: 1817.524+/-0.292 χ^2/NDF:12955.2/24

Right Out: 1904.892+/-0.349 χ^2/NDF: 729883.6/29

Left In: 1812.545+/-0.299 χ^2/NDF:2013.0/22

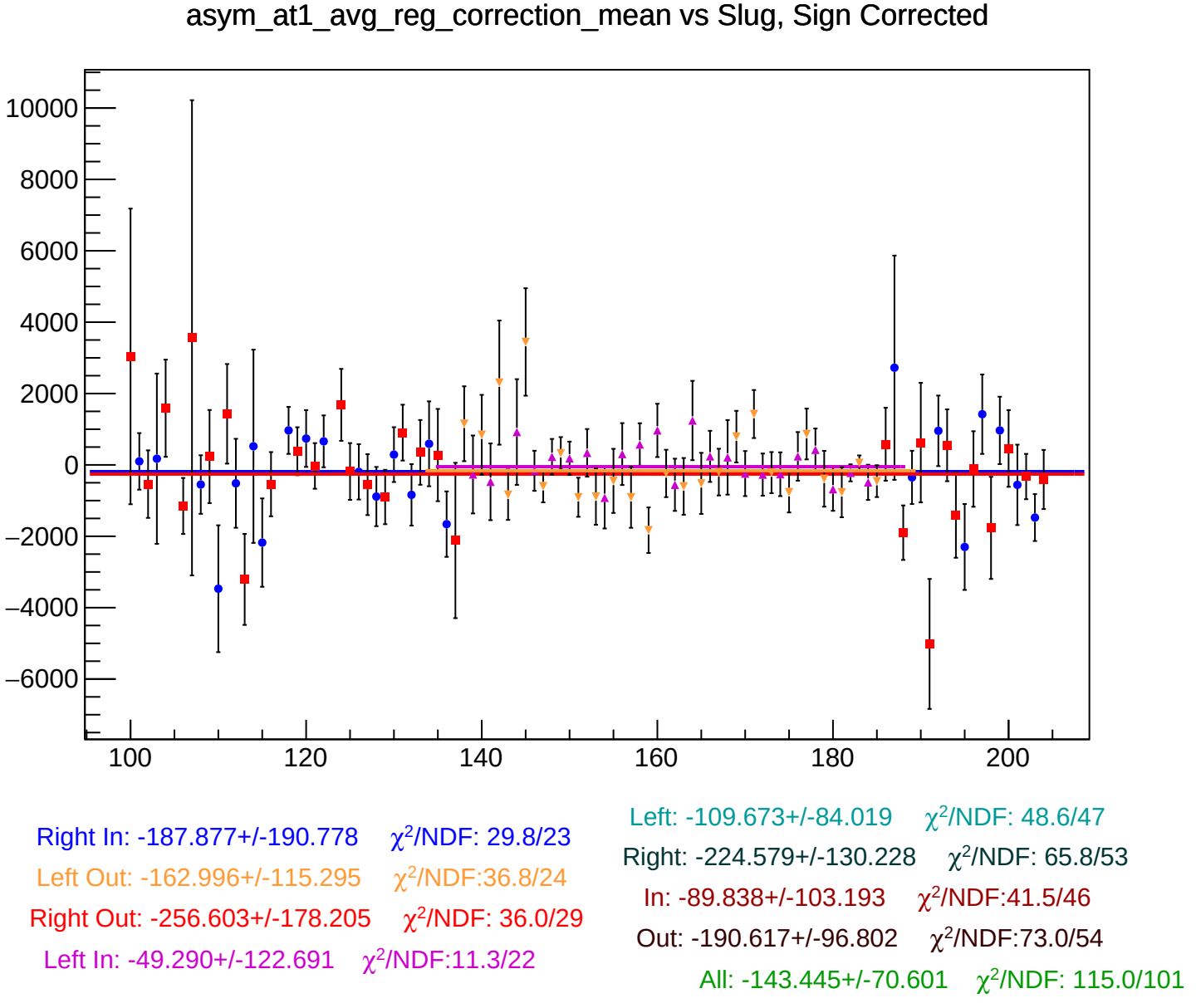
Left: 1815.096+/-0.209 χ^2/NDF: 15110.1/47

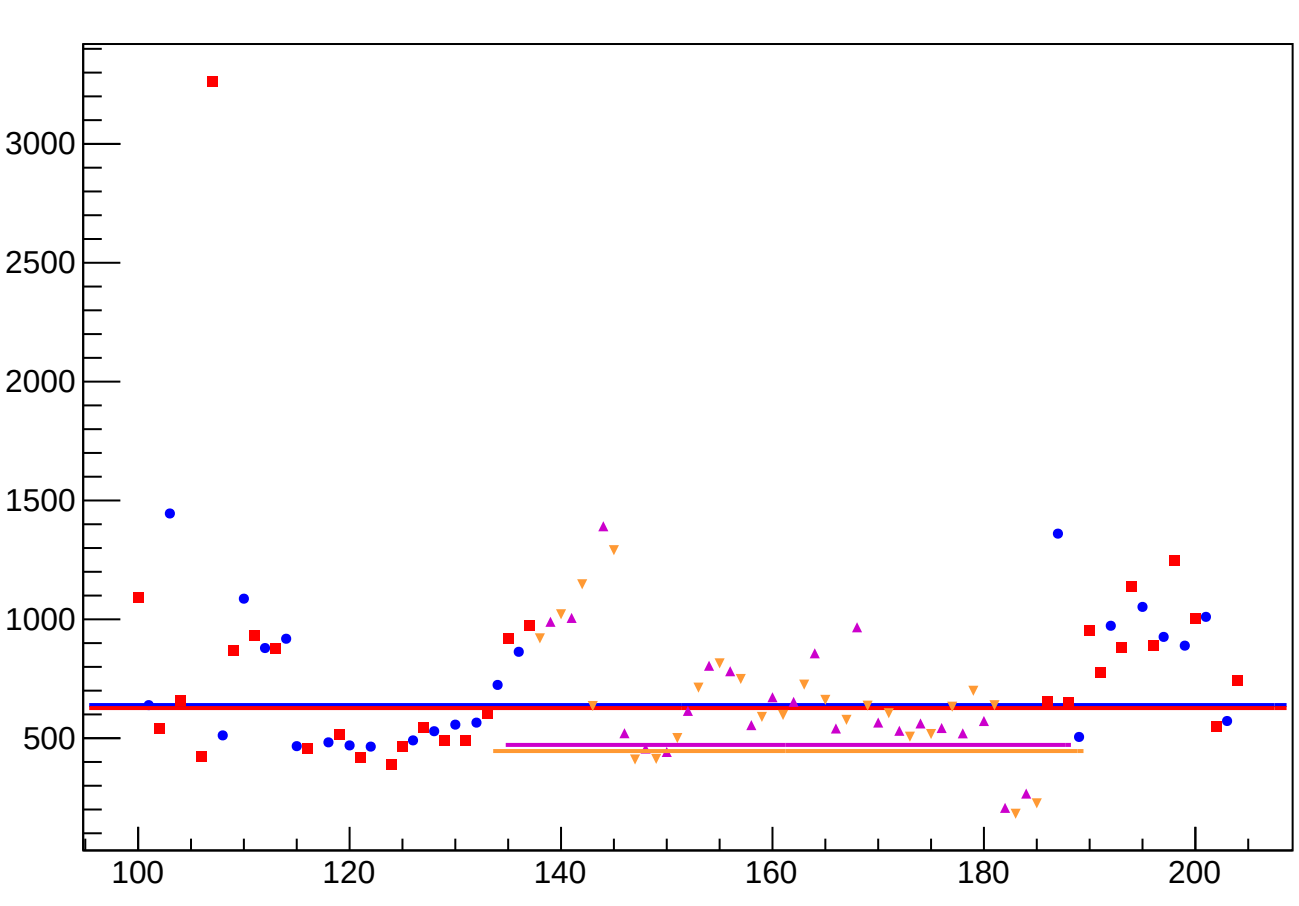
Right: 1894.531+/-0.254 χ^2/NDF: 1392904.6/53

In: 1840.296+/-0.233 χ^2/NDF:684951.9/46

Out: 1853.475+/-0.224 χ^2/NDF:779682.9/54

All: 1847.140+/-0.161 χ^2/NDF: 1466298.8/10


asym_at1_avg_reg_correction_mean vs Slug, Sign Corrected
10000
8000
6000
4000
2000
0
−2000
−4000
−6000
100
120
140
160
180
200
Right In: -187.877+/-190.778 χ²/NDF: 29.8/23
Left Out: -162.996+/-115.295 χ²/NDF:36.8/24
Right Out: -256.603+/-178.205 χ²/NDF: 36.0/29
Left In: -49.290+/-122.691 χ²/NDF:11.3/22
Left: -109.673+/-84.019 χ²/NDF: 48.6/47
Right: -224.579+/-130.228 χ²/NDF: 65.8/53
In: -89.838+/-103.193 χ²/NDF:41.5/46
Out: -190.617+/-96.802 χ²/NDF:73.0/54
All: -143.445+/-70.601 χ²/NDF: 115.0/101



Right In: 639.420+/-0.135 χ^2/NDF: 2277387.7/23

Left Out: 445.893+/-0.082 χ^2/NDF:7982455.6/24

Right Out: 626.705+/-0.126 χ^2/NDF: 2956353.7/29

Left In: 471.746+/-0.087 χ^2/NDF:6413905.5/22

Left: 458.017+/-0.059 χ^2/NDF: 14443518.4/47

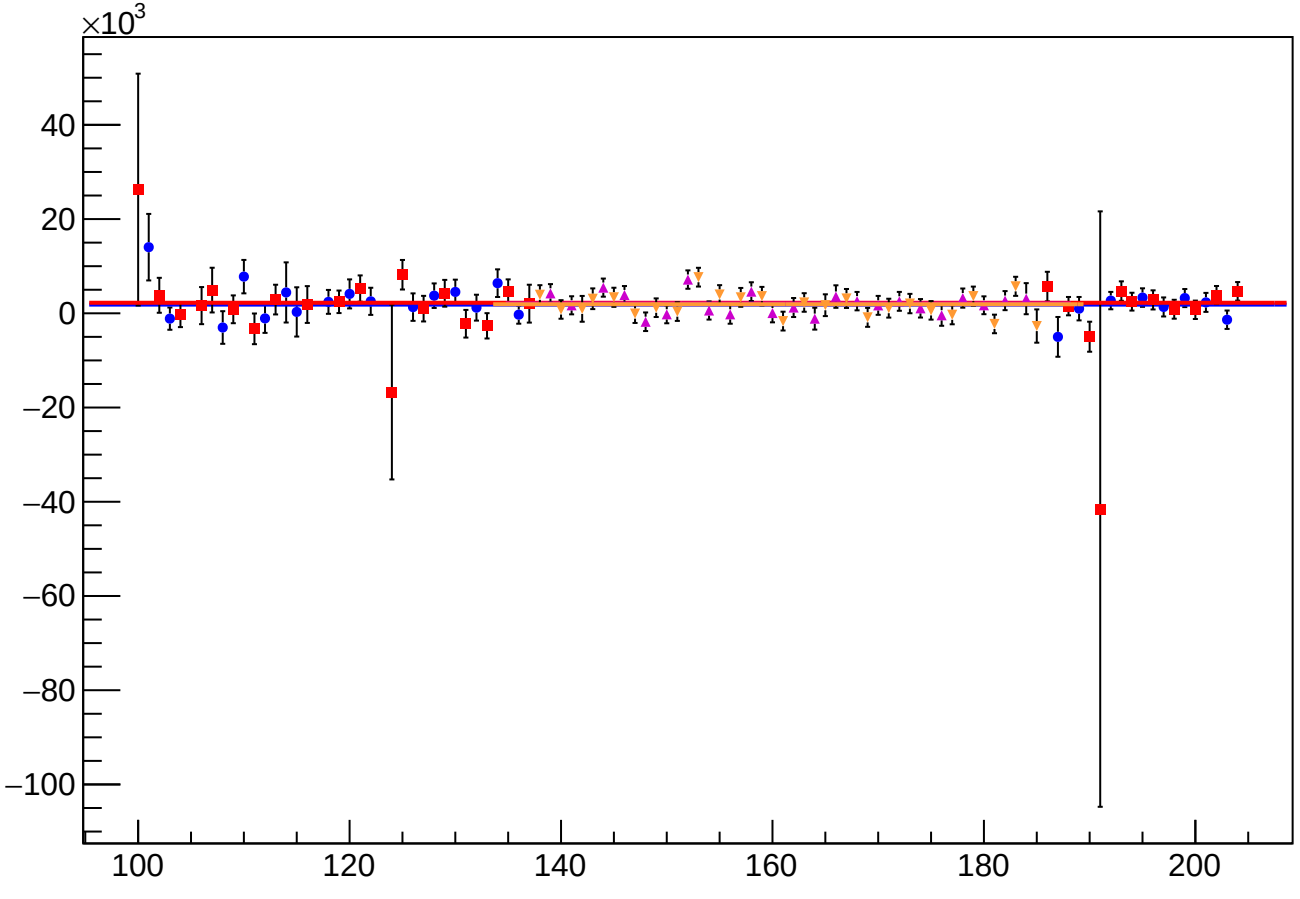
Right: 632.630+/-0.092 χ^2/NDF: 5238486.0/53

In: 520.804+/-0.073 χ^2/NDF:9784205.1/46

Out: 499.246+/-0.068 χ^2/NDF:12390224.6/54

All: 509.337+/-0.050 χ^2/NDF: 22220860.8/10

cor_asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 1845.604+/-524.119 χ^2/NDF: 23.4/23

Left Out: 1920.588+/-412.915 χ^2/NDF:32.5/24

Right Out: 2237.247+/-494.009 χ^2/NDF: 30.4/29

Left In: 2074.306+/-423.203 χ^2/NDF:26.5/22

Left: 1995.556+/-295.545 χ^2/NDF: 59.1/47

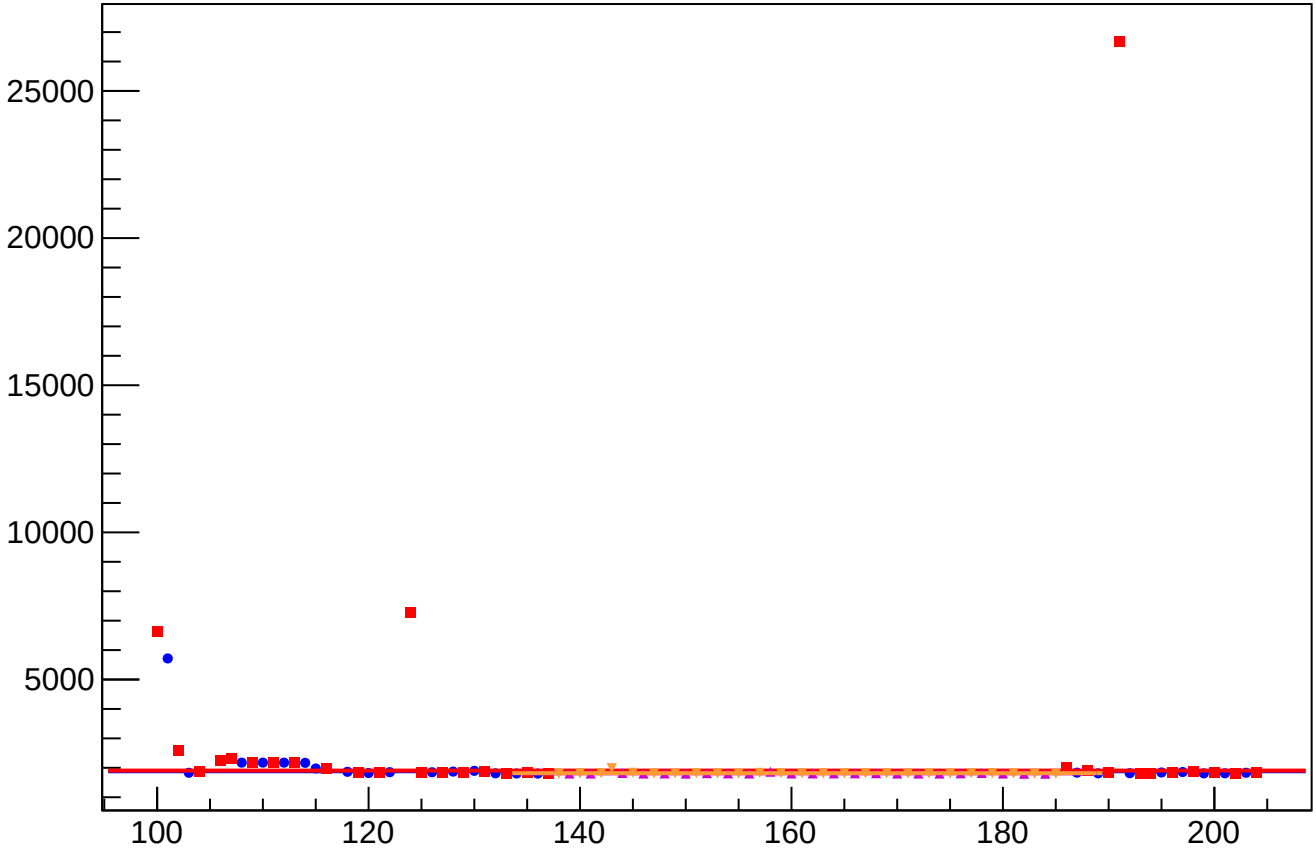
Right: 2052.998+/-359.491 χ^2/NDF: 54.1/53

In: 1984.045+/-329.265 χ^2/NDF:50.0/46

Out: 2050.827+/-316.818 χ^2/NDF:63.2/54

All: 2018.722+/-228.298 χ^2/NDF: 113.2/101

cor_asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 1882.860+/-0.371 χ^2/NDF: 661148.8/23

Left Out: 1817.524+/-0.292 χ^2/NDF:12955.2/24

Right Out: 1905.465+/-0.349 χ^2/NDF: 733448.1/29

Left In: 1812.545+/-0.299 χ^2/NDF:2013.0/22

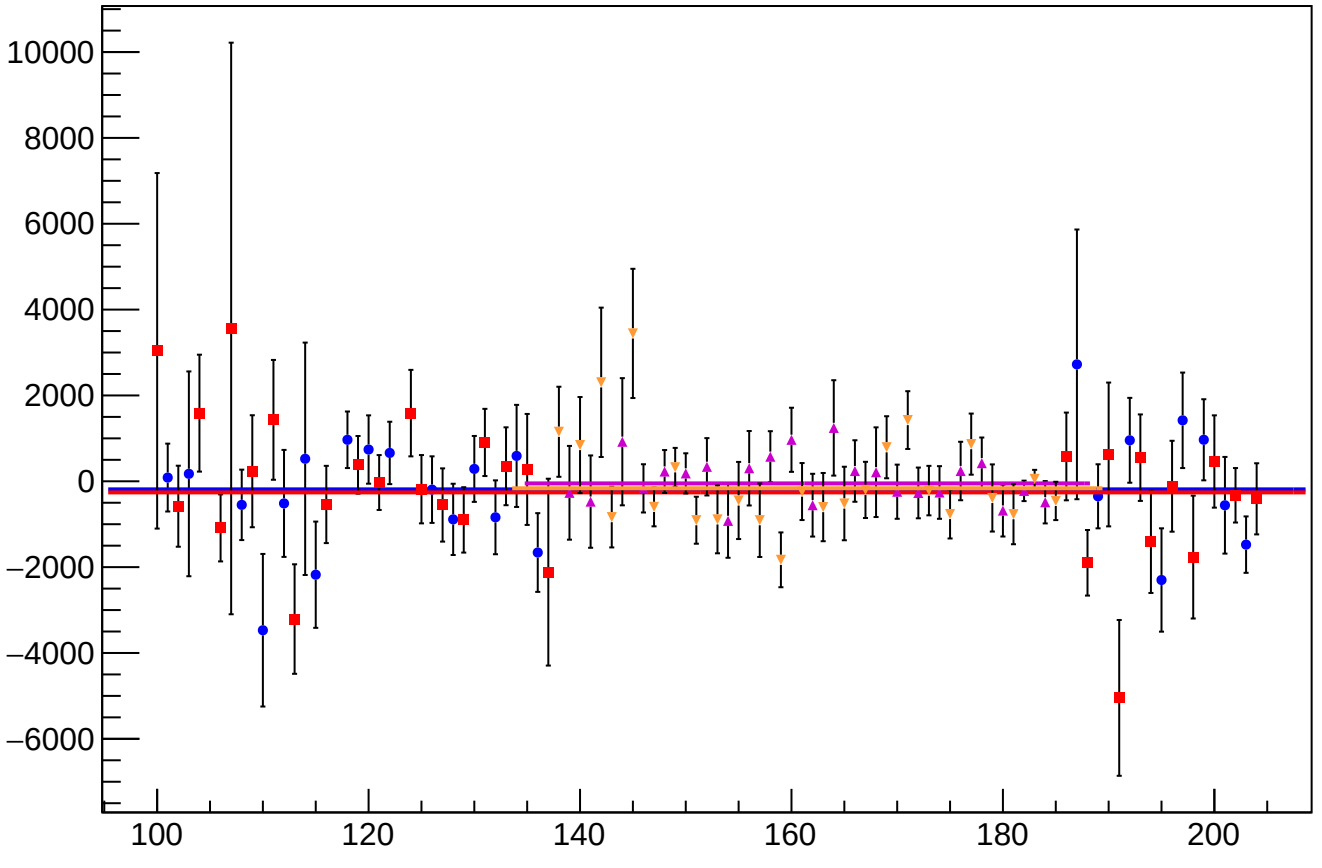
Left: 1815.096+/-0.209 χ^2/NDF: 15110.1/47

Right: 1894.830+/-0.254 χ^2/NDF: 1396566.9/53

In: 1840.296+/-0.233 χ^2/NDF:684951.8/46

Out: 1853.693+/-0.224 χ^2/NDF:783714.3/54

All: 1847.253+/-0.161 χ^2/NDF: 1470385.4/10



Right In: -188.389+/-190.751 χ^2/NDF: 29.8/23

Left Out: -162.911+/-115.291 χ^2/NDF:36.9/24

Right Out: -258.766+/-178.128 χ^2/NDF: 35.6/29

Left In: -49.310+/-122.694 χ^2/NDF:11.3/22

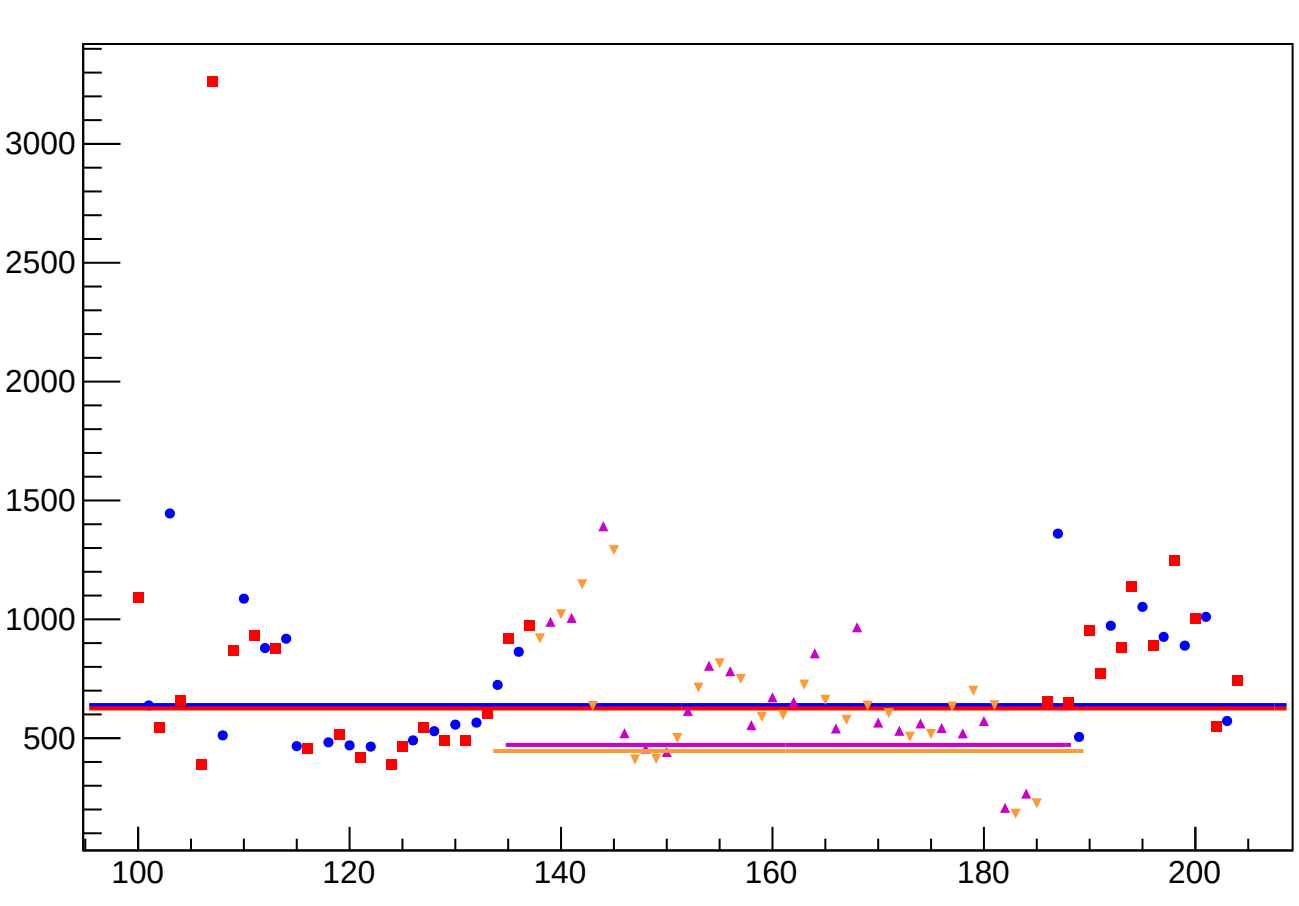
Left: -109.640+/-84.018 χ^2/NDF: 48.6/47

Right: -225.983+/-130.189 χ^2/NDF: 65.5/53

In: -90.011+/-103.190 χ^2/NDF:41.5/46

Out: -191.211+/-96.787 χ^2/NDF:72.7/54

All: -143.848+/-70.594 χ^2/NDF: 114.7/101



Right In: 639.342+/-0.135 χ^2/NDF: 2277468.6/23

Left Out: 445.867+/-0.082 χ^2/NDF:7983869.6/24

Right Out: 624.953+/-0.126 χ^2/NDF: 3004878.7/29

Left In: 471.757+/-0.087 χ^2/NDF:6413685.0/22

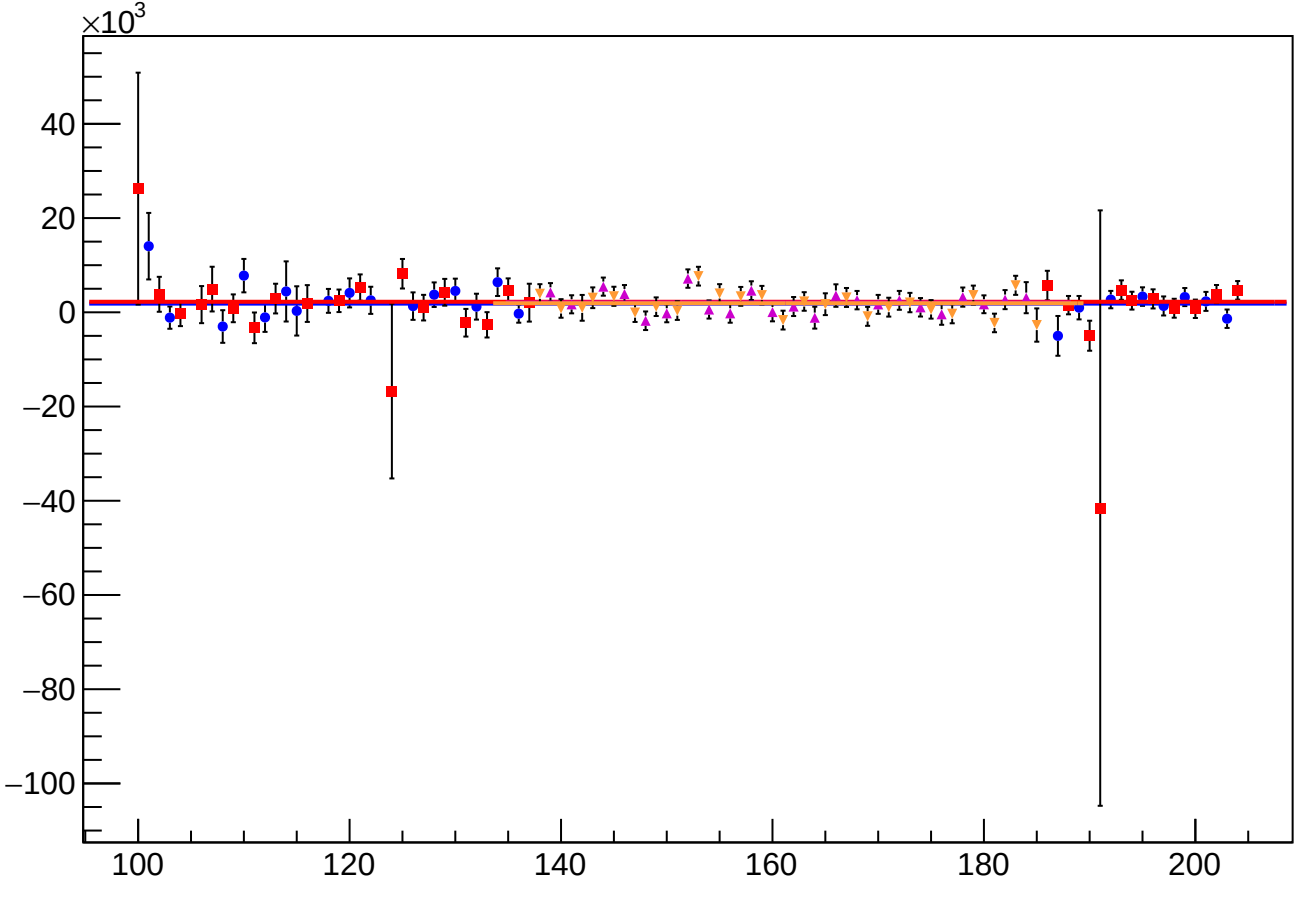
Left: 458.008+/-0.059 χ^2/NDF: 14444849.4/47

Right: 631.656+/-0.092 χ^2/NDF: 5288427.0/53

In: 520.801+/-0.073 χ^2/NDF:9783105.4/46

Out: 498.740+/-0.068 χ^2/NDF:12413476.2/54

All: 509.065+/-0.050 χ^2/NDF: 22245209.7/10



Right In: 1845.604+/-524.119 χ^2/NDF: 23.4/23

Left Out: 1920.588+/-412.915 χ^2/NDF:32.5/24

Right Out: 2237.247+/-494.009 χ^2/NDF: 30.4/29

Left In: 2074.306+/-423.203 χ^2/NDF:26.5/22

Left: 1995.556+/-295.545 χ^2/NDF: 59.1/47

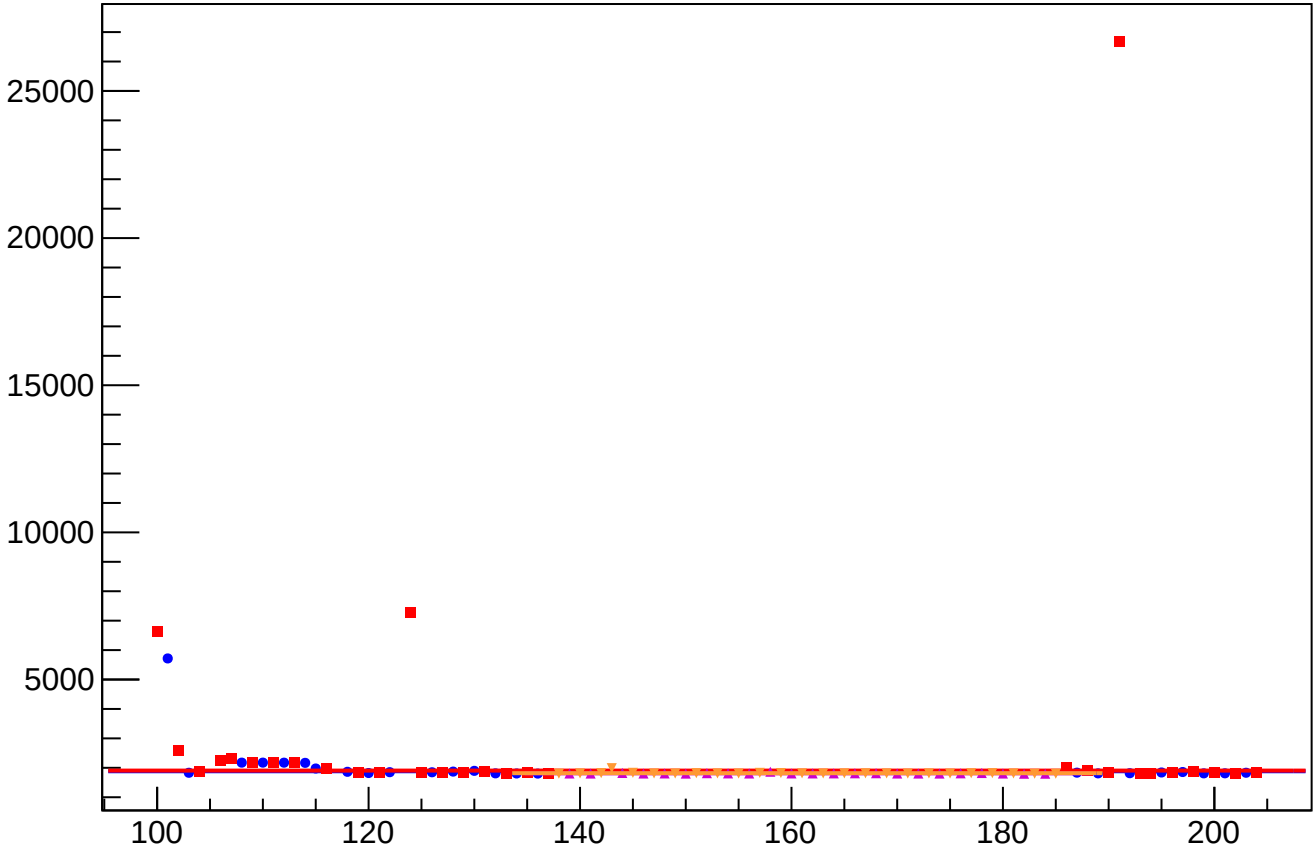
Right: 2052.998+/-359.491 χ^2/NDF: 54.1/53

In: 1984.045+/-329.265 χ^2/NDF:50.0/46

Out: 2050.827+/-316.818 χ^2/NDF:63.2/54

All: 2018.722+/-228.298 χ^2/NDF: 113.2/101

eigen_cor_asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 1882.860+/-0.371 χ^2/NDF: 661148.8/23

Left Out: 1817.524+/-0.292 χ^2/NDF:12955.2/24

Right Out: 1905.465+/-0.349 χ^2/NDF: 733448.1/29

Left In: 1812.545+/-0.299 χ^2/NDF:2013.0/22

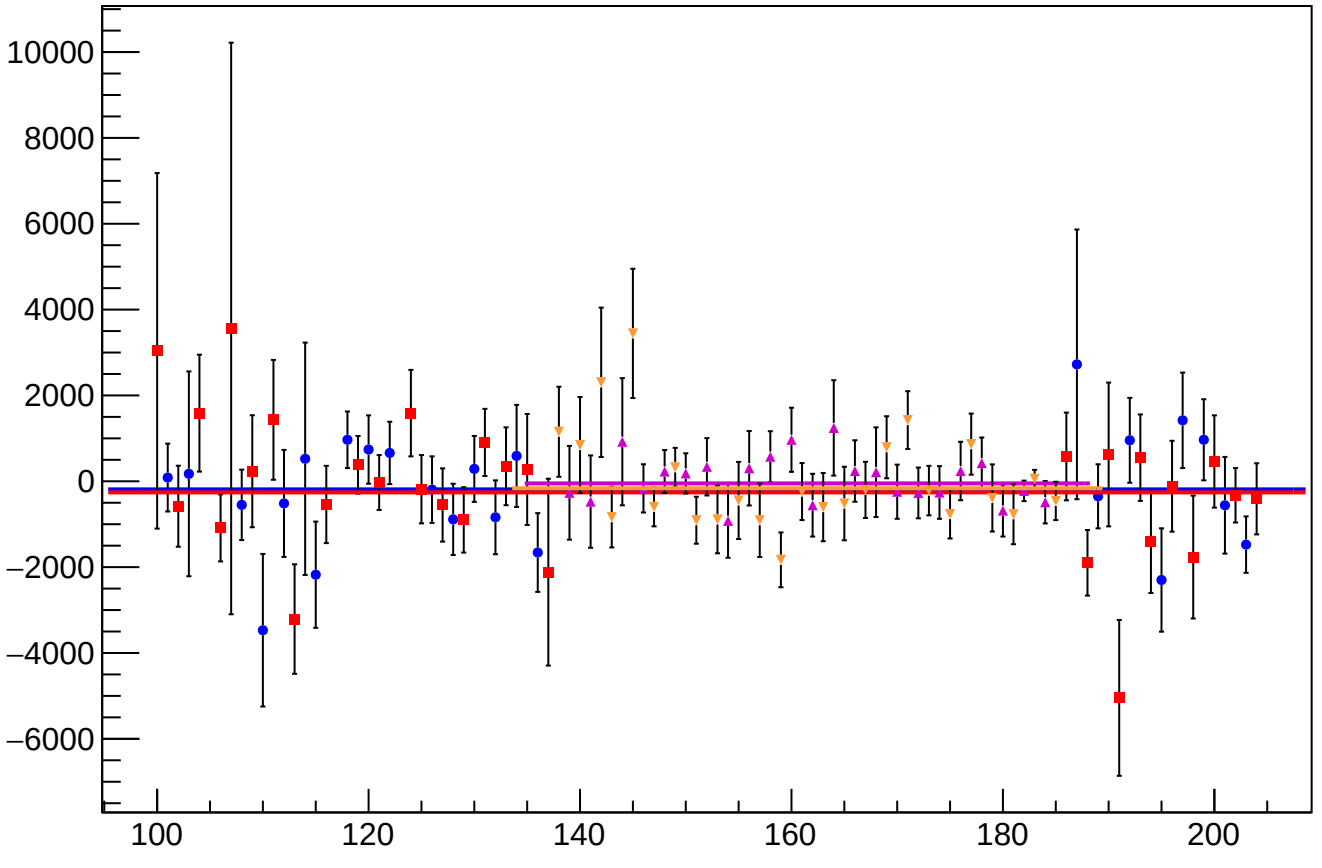
Left: 1815.096+/-0.209 χ^2/NDF: 15110.1/47

Right: 1894.830+/-0.254 χ^2/NDF: 1396566.9/53

In: 1840.296+/-0.233 χ^2/NDF:684951.8/46

Out: 1853.693+/-0.224 χ^2/NDF:783714.3/54

All: 1847.253+/-0.161 χ^2/NDF: 1470385.4/10



Right In: -188.389+/-190.751 χ^2/NDF: 29.8/23

Left Out: -162.911+/-115.291 χ^2/NDF:36.9/24

Right Out: -258.766+/-178.128 χ^2/NDF: 35.6/29

Left In: -49.310+/-122.694 χ^2/NDF:11.3/22

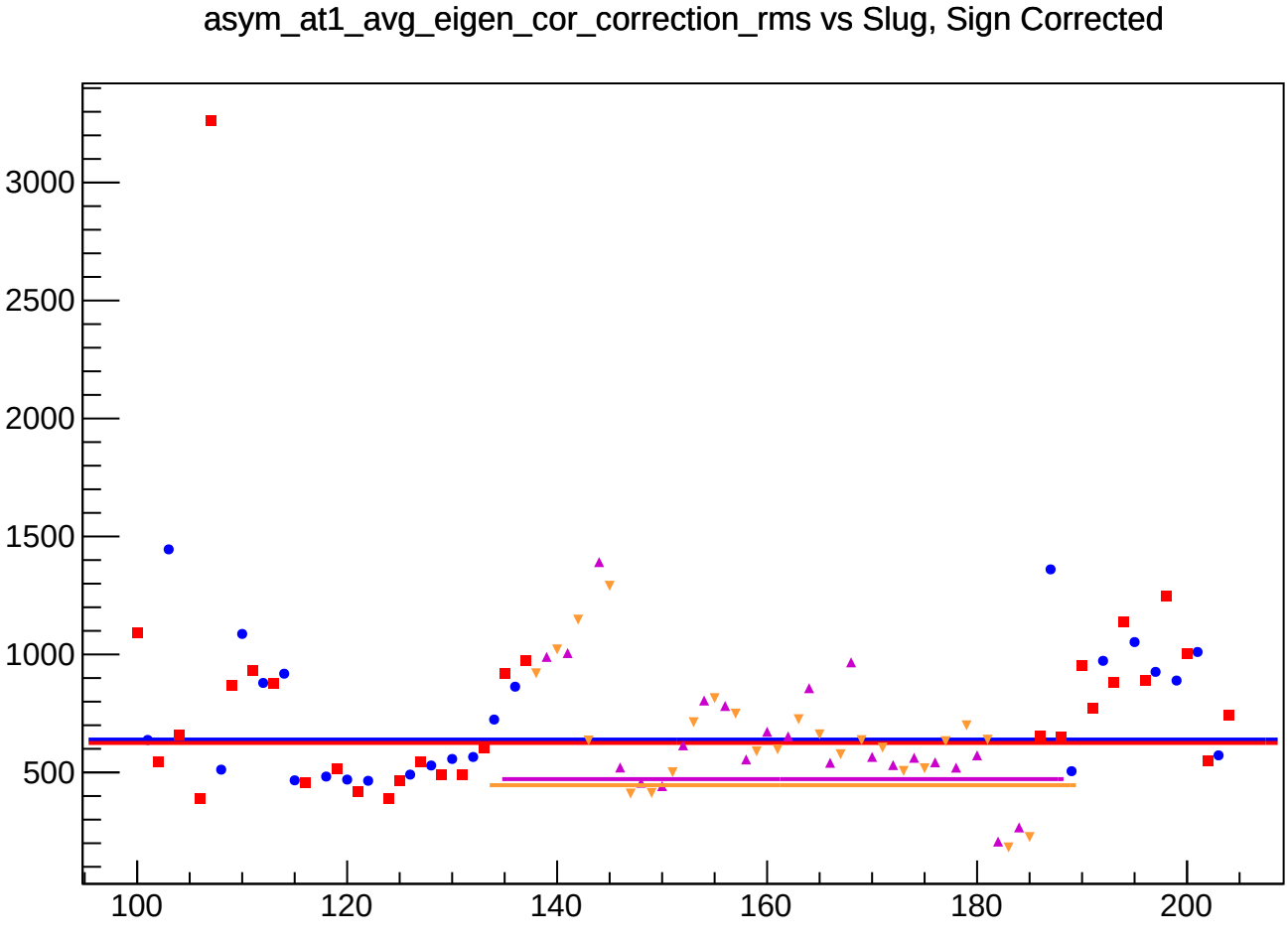
Left: -109.640+/-84.018 χ^2/NDF: 48.6/47

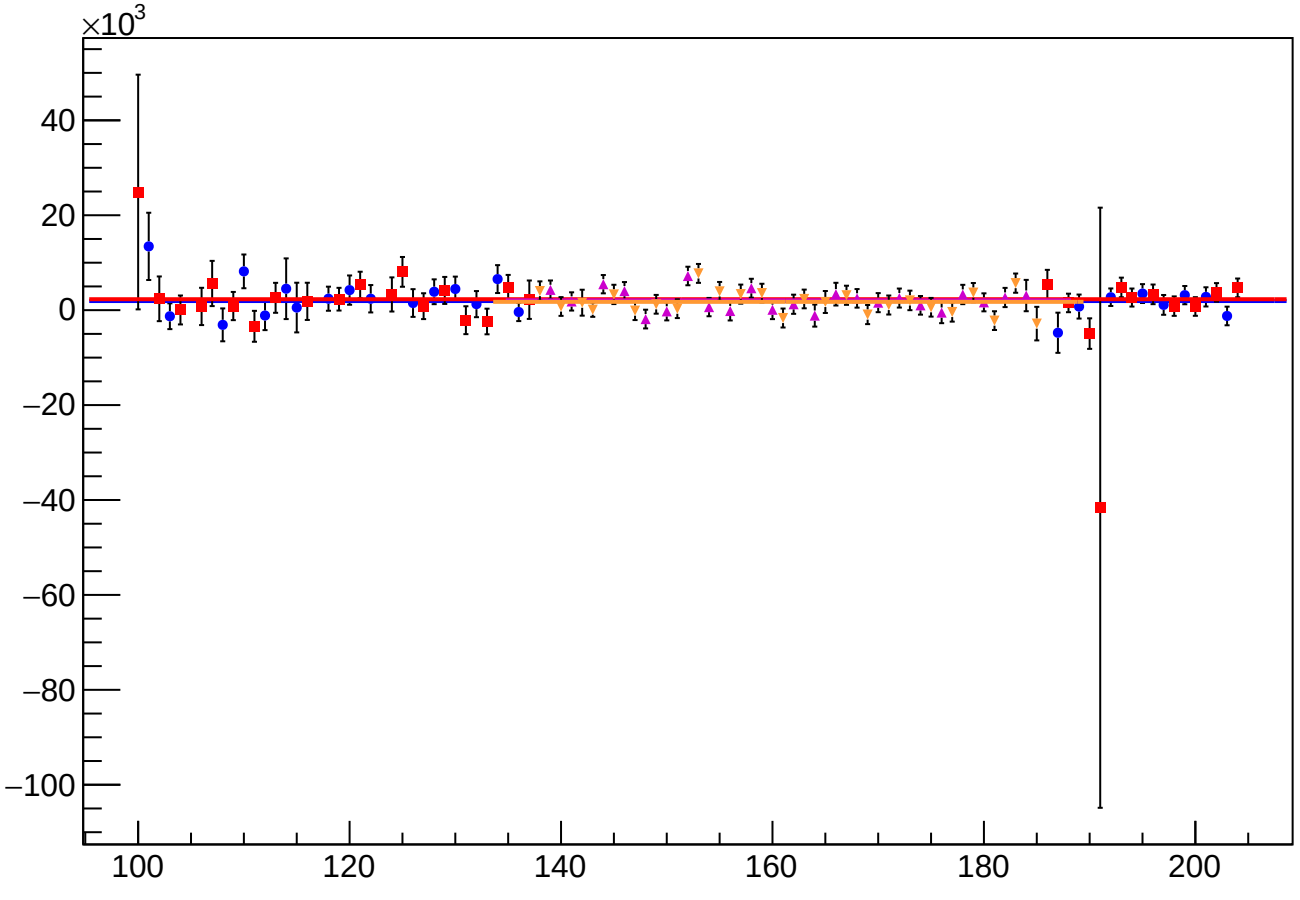
Right: -225.983+/-130.189 χ^2/NDF: 65.5/53

In: -90.011+/-103.190 χ^2/NDF:41.5/46

Out: -191.211+/-96.787 χ^2/NDF:72.7/54

All: -143.848+/-70.594 χ^2/NDF: 114.7/101


asym_at1_avg_eigen_cor_correction_rms vs Slug, Sign Corrected
3000
2500
2000
1500
1000
500
100
120
140
160
180
200
Right In: 639.342+/-0.135 χ²/NDF: 2277468.6/23
Left Out: 445.867+/-0.082 χ²/NDF:7983869.6/24
Right Out: 624.953+/-0.126 χ²/NDF: 3004878.7/29
Left In: 471.757+/-0.087 χ²/NDF:6413685.0/22
Left: 458.008+/-0.059 χ²/NDF: 14444849.4/47
Right: 631.656+/-0.092 χ²/NDF: 5288427.0/53
In: 520.801+/-0.073 χ²/NDF:9783105.4/46
Out: 498.740+/-0.068 χ²/NDF:12413476.2/54
All: 509.065+/-0.050 χ²/NDF: 22245209.7/10



Right In: 1922.006+/-530.131 χ^2/NDF: 23.4/23

Left Out: 1755.493+/-405.401 χ^2/NDF:33.8/24

Right Out: 2305.898+/-496.142 χ^2/NDF: 28.4/29

Left In: 2073.441+/-423.648 χ^2/NDF:27.0/22

Left: 1907.472+/-292.900 χ^2/NDF: 61.1/47

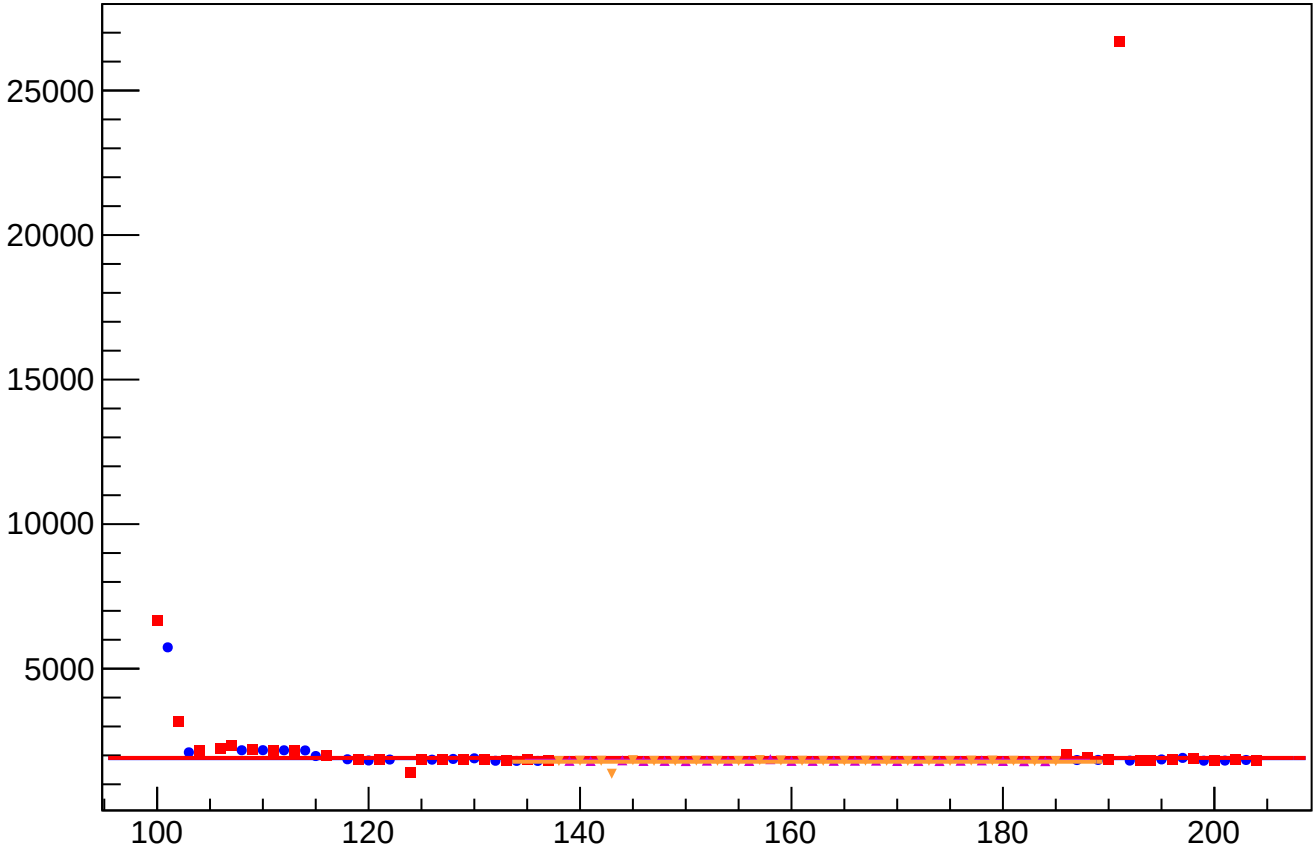
Right: 2126.652+/-362.245 χ^2/NDF: 52.1/53

In: 2014.422+/-330.952 χ^2/NDF:50.5/46

Out: 1975.853+/-313.929 χ^2/NDF:62.9/54

All: 1994.120+/-227.762 χ^2/NDF: 113.4/101

dit_asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 1903.864+/-0.375 χ^2/NDF: 669349.5/23

Left Out: 1780.913+/-0.287 χ^2/NDF:164936.9/24

Right Out: 1912.370+/-0.351 χ^2/NDF: 688942.7/29

Left In: 1814.434+/-0.300 χ^2/NDF:2094.6/22

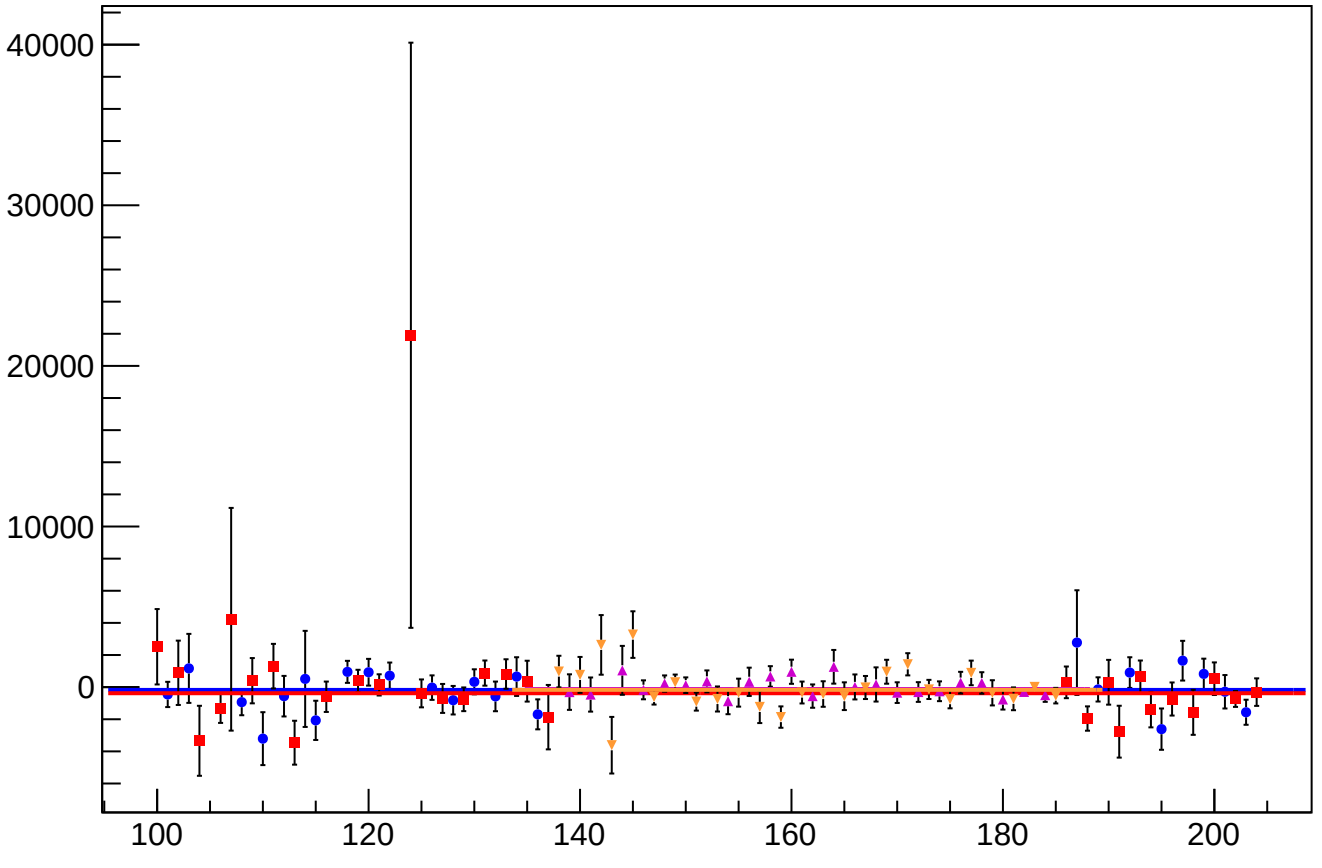
Left: 1796.936+/-0.207 χ^2/NDF: 173567.7/47

Right: 1908.398+/-0.256 χ^2/NDF: 1358566.7/53

In: 1849.288+/-0.234 χ^2/NDF:706177.4/46

Out: 1833.543+/-0.222 χ^2/NDF:938072.9/54

All: 1841.000+/-0.161 χ^2/NDF: 1646632.9/10



Right In: -173.558+/-197.241 χ^2/NDF: 29.4/23

Left Out: -167.909+/-121.628 χ^2/NDF:38.3/24

Right Out: -379.150+/-181.735 χ^2/NDF: 32.2/29

Left In: -117.211+/-119.772 χ^2/NDF:12.3/22

Left: -142.170+/-85.340 χ^2/NDF: 50.7/47

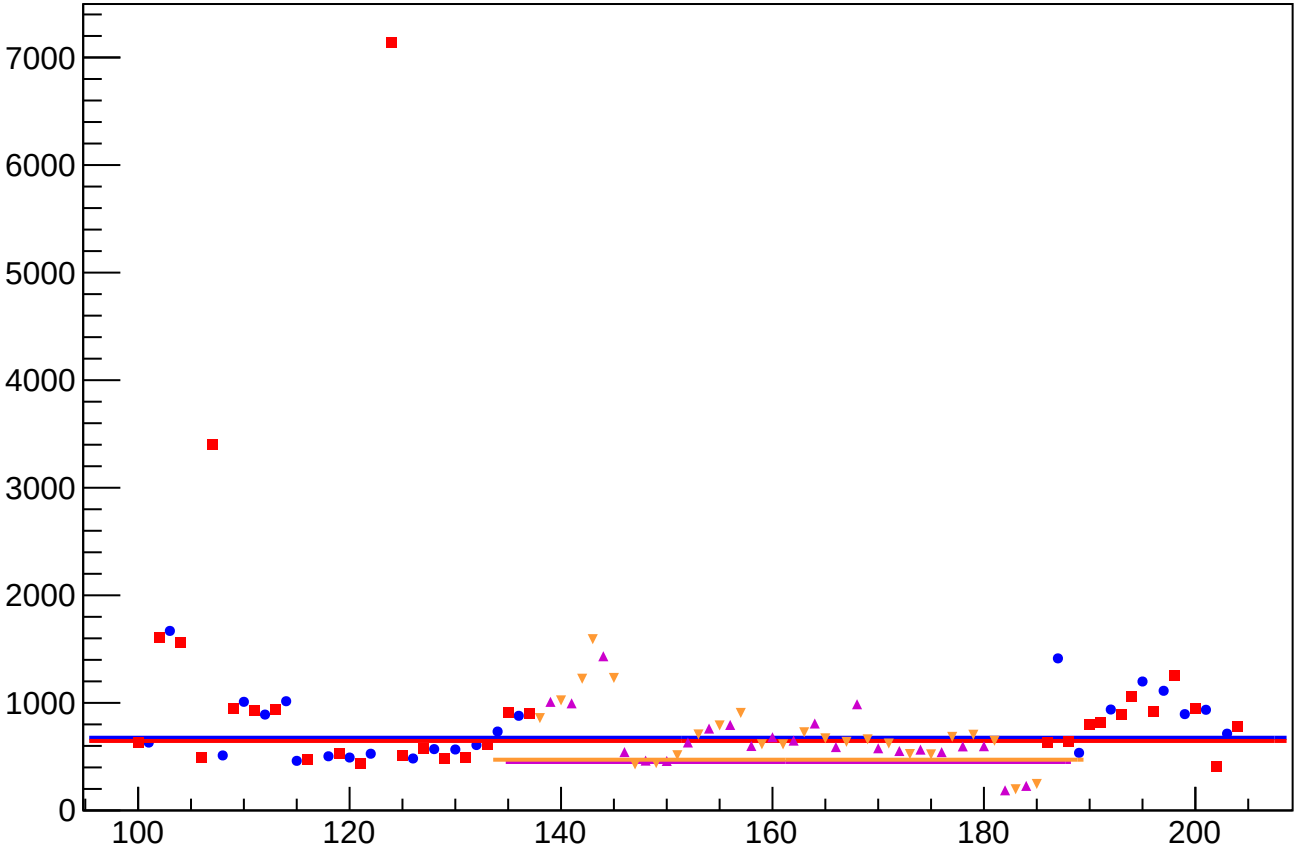
Right: -284.752+/-133.652 χ^2/NDF: 62.2/53

In: -132.391+/-102.375 χ^2/NDF:41.8/46

Out: -233.256+/-101.080 χ^2/NDF:71.5/54

All: -183.466+/-71.928 χ^2/NDF: 113.8/101

asym_at1_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 675.990+/-0.139 χ^2/NDF: 2479100.7/23

Left Out: 471.777+/-0.086 χ^2/NDF:8112666.9/24

Right Out: 646.092+/-0.129 χ^2/NDF: 4045268.4/29

Left In: 450.652+/-0.085 χ^2/NDF:7928332.5/22

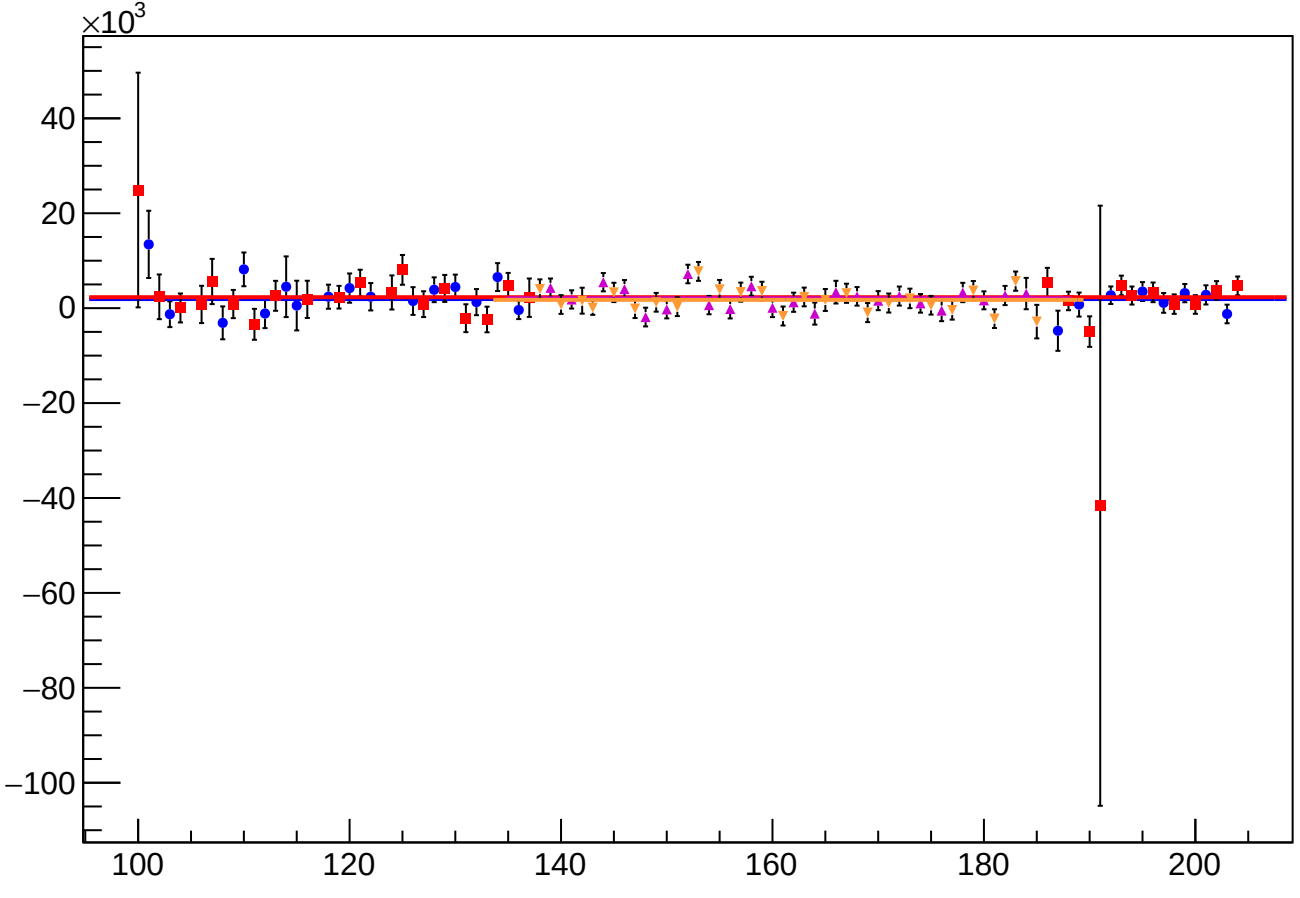
Left: 461.052+/-0.060 χ^2/NDF: 16071629.8/47

Right: 659.820+/-0.095 χ^2/NDF: 6549222.3/53

In: 511.357+/-0.072 χ^2/NDF:12314580.5/46

Out: 525.701+/-0.071 χ^2/NDF:13428750.7/54

All: 518.621+/-0.051 χ^2/NDF: 25763212.7/10



Right In: 1922.005+/-530.131 χ^2/NDF: 23.4/23

Left Out: 1755.493+/-405.401 χ^2/NDF:33.8/24

Right Out: 2305.896+/-496.142 χ^2/NDF: 28.4/29

Left In: 2073.441+/-423.648 χ^2/NDF:27.0/22

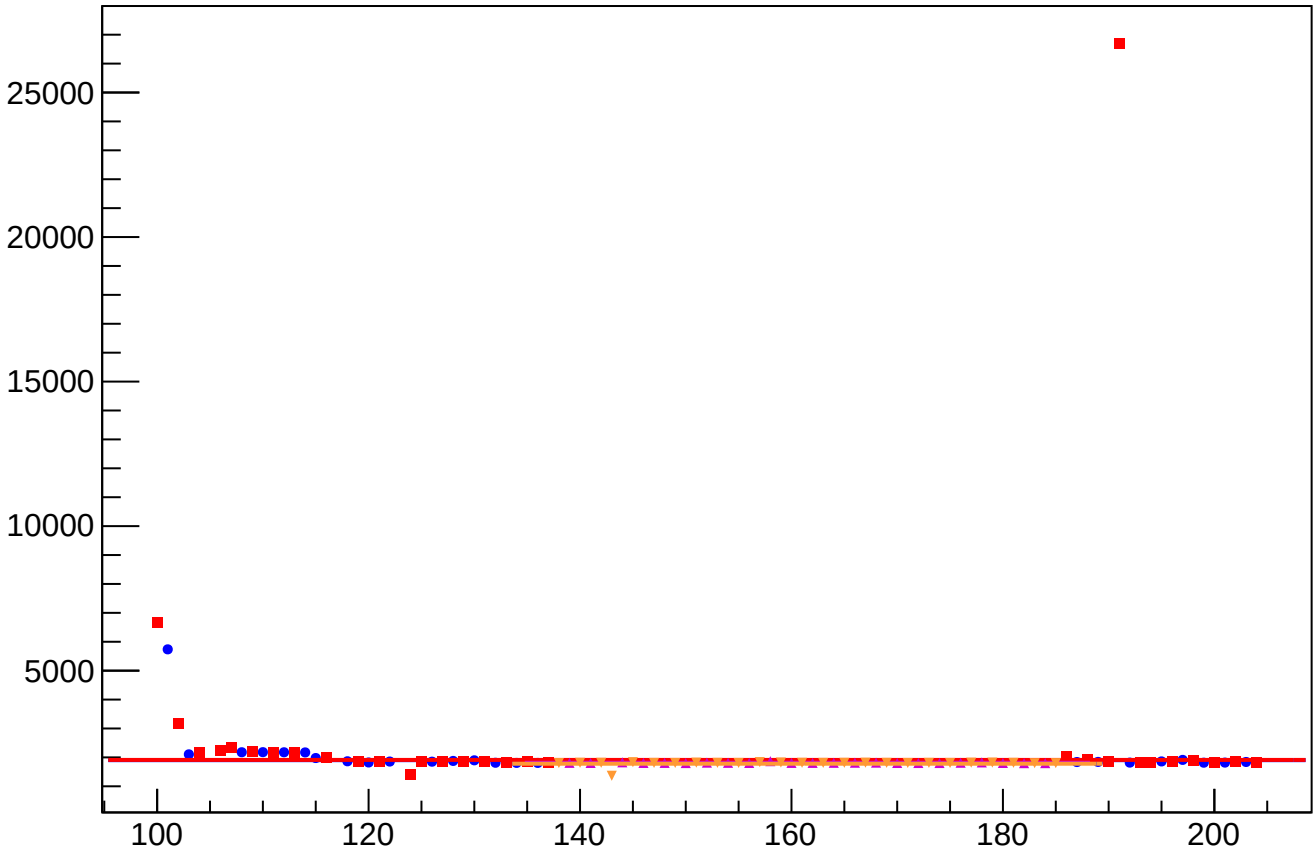
Left: 1907.473+/-292.900 χ^2/NDF: 61.1/47

Right: 2126.651+/-362.245 χ^2/NDF: 52.1/53

In: 2014.422+/-330.952 χ^2/NDF:50.5/46

Out: 1975.852+/-313.928 χ^2/NDF:62.9/54

All: 1994.119+/-227.762 χ^2/NDF: 113.4/101



Right In: 1903.864+/-0.375 χ^2/NDF: 669349.1/23

Left Out: 1780.913+/-0.287 χ^2/NDF:164936.9/24

Right Out: 1912.370+/-0.351 χ^2/NDF: 688941.3/29

Left In: 1814.434+/-0.300 χ^2/NDF:2094.6/22

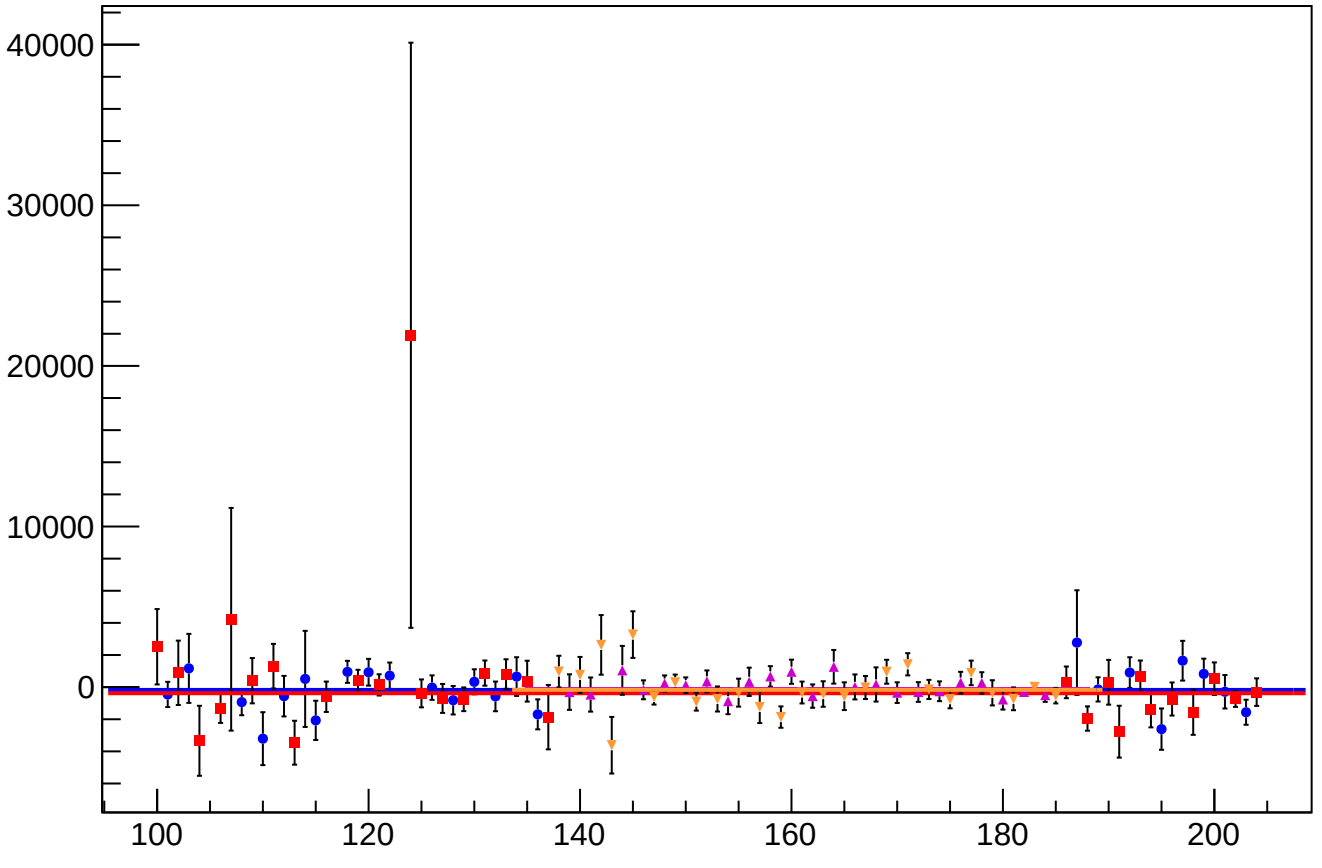
Left: 1796.936+/-0.207 χ^2/NDF: 173567.7/47

Right: 1908.398+/-0.256 χ^2/NDF: 1358564.9/53

In: 1849.288+/-0.234 χ^2/NDF:706177.0/46

Out: 1833.543+/-0.222 χ^2/NDF:938071.3/54

All: 1841.000+/-0.161 χ^2/NDF: 1646630.9/10



Right In: -173.558+/-197.241 χ^2/NDF: 29.4/23

Left Out: -167.909+/-121.629 χ^2/NDF:38.3/24

Right Out: -379.149+/-181.735 χ^2/NDF: 32.2/29

Left In: -117.211+/-119.772 χ^2/NDF:12.3/22

Left: -142.170+/-85.340 χ^2/NDF: 50.7/47

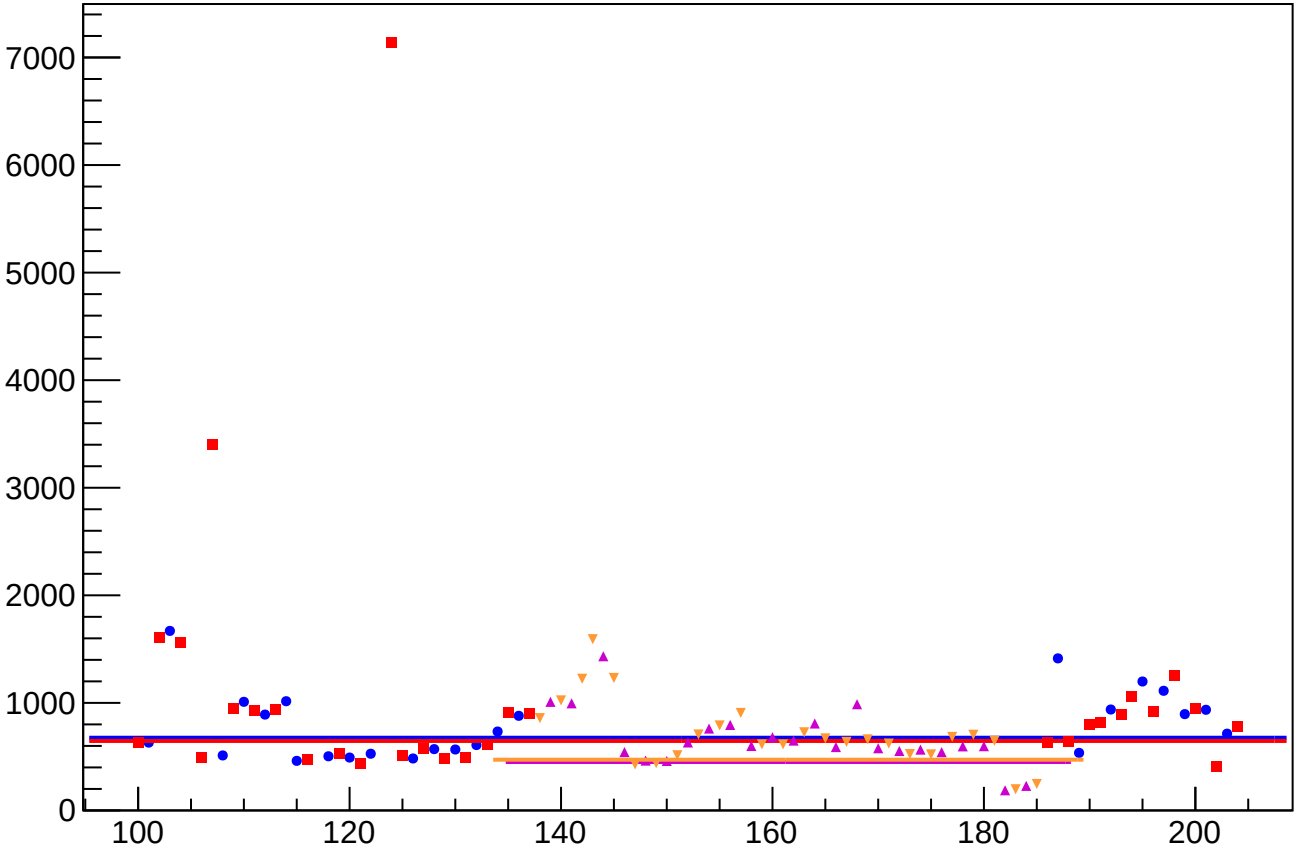
Right: -284.752+/-133.652 χ^2/NDF: 62.2/53

In: -132.391+/-102.375 χ^2/NDF:41.8/46

Out: -233.257+/-101.080 χ^2/NDF:71.5/54

All: -183.466+/-71.928 χ^2/NDF: 113.8/101

asym_at1_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 675.989+/-0.139 χ^2/NDF: 2479118.5/23

Left Out: 471.778+/-0.086 χ^2/NDF:8112665.9/24

Right Out: 646.092+/-0.129 χ^2/NDF: 4045275.3/29

Left In: 450.653+/-0.085 χ^2/NDF:7928317.5/22

Left: 461.053+/-0.060 χ^2/NDF: 16071613.1/47

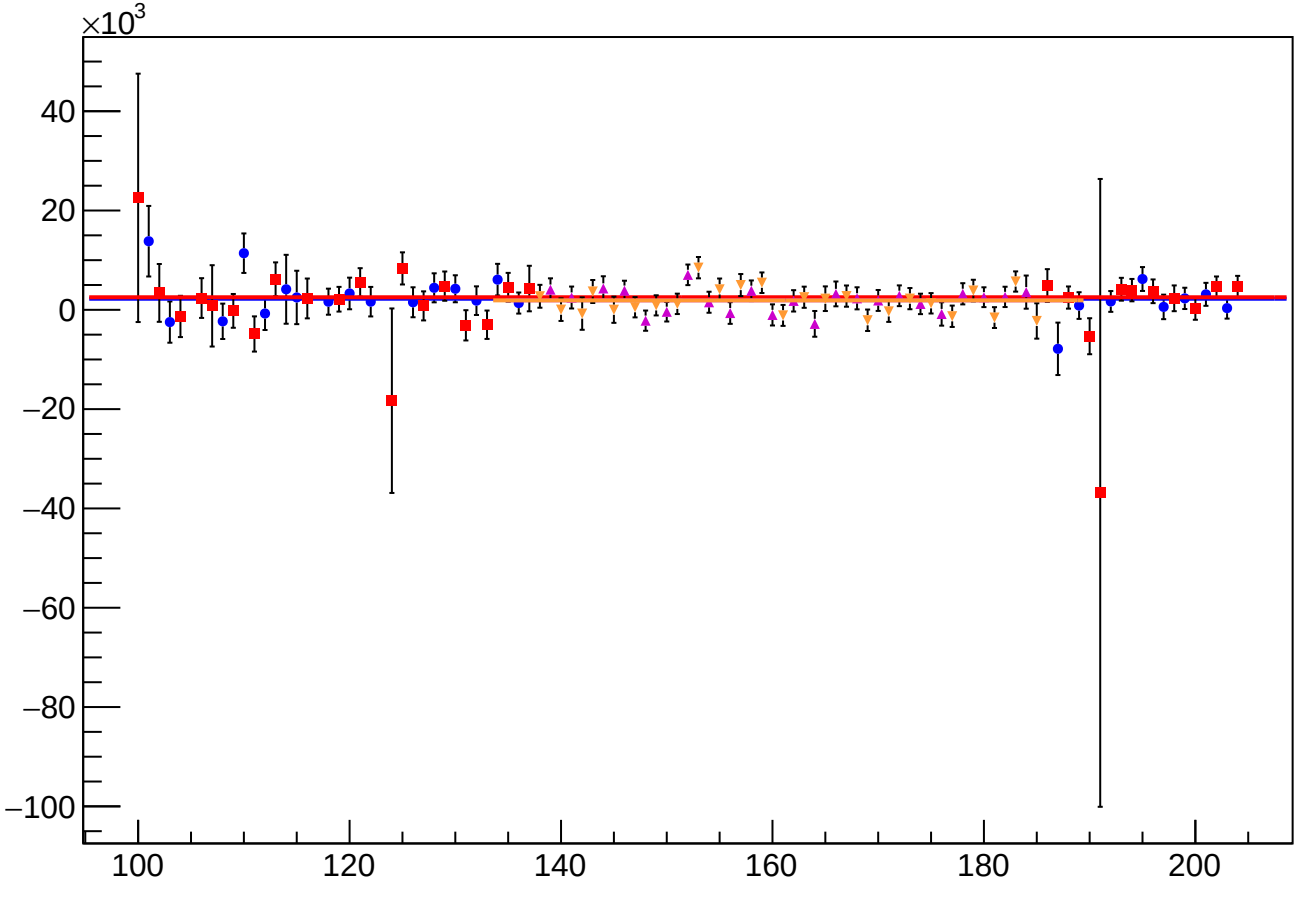
Right: 659.820+/-0.095 χ^2/NDF: 6549246.0/53

In: 511.358+/-0.072 χ^2/NDF:12314557.5/46

Out: 525.702+/-0.071 χ^2/NDF:13428746.4/54

All: 518.621+/-0.051 χ^2/NDF: 25763185.1/10

asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 2233.444+/-587.904 χ^2/NDF: 22.9/23

Left Out: 1907.369+/-443.523 χ^2/NDF:36.3/24

Right Out: 2528.631+/-558.055 χ^2/NDF: 31.8/29

Left In: 1926.570+/-454.880 χ^2/NDF:24.8/22

Left: 1916.727+/-317.557 χ^2/NDF: 61.0/47

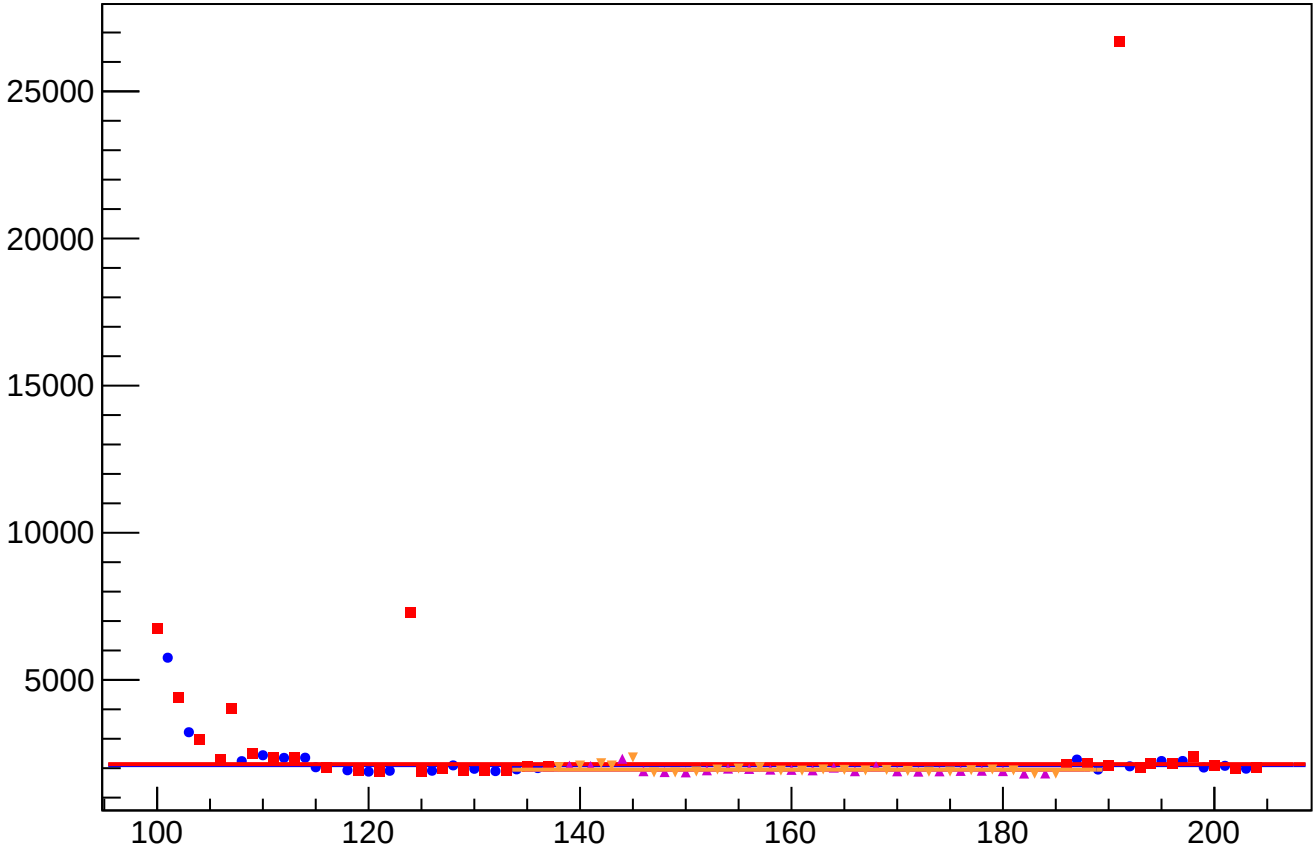
Right: 2388.721+/-404.746 χ^2/NDF: 54.8/53

In: 2041.487+/-359.765 χ^2/NDF:47.8/46

Out: 2147.874+/-347.218 χ^2/NDF:68.9/54

All: 2096.568+/-249.838 χ^2/NDF: 116.7/101

asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 2104.157+/-0.416 χ^2/NDF: 793236.6/23

Left Out: 1949.001+/-0.314 χ^2/NDF:108523.9/24

Right Out: 2138.162+/-0.395 χ^2/NDF: 1174365.2/29

Left In: 1945.132+/-0.322 χ^2/NDF:95954.5/22

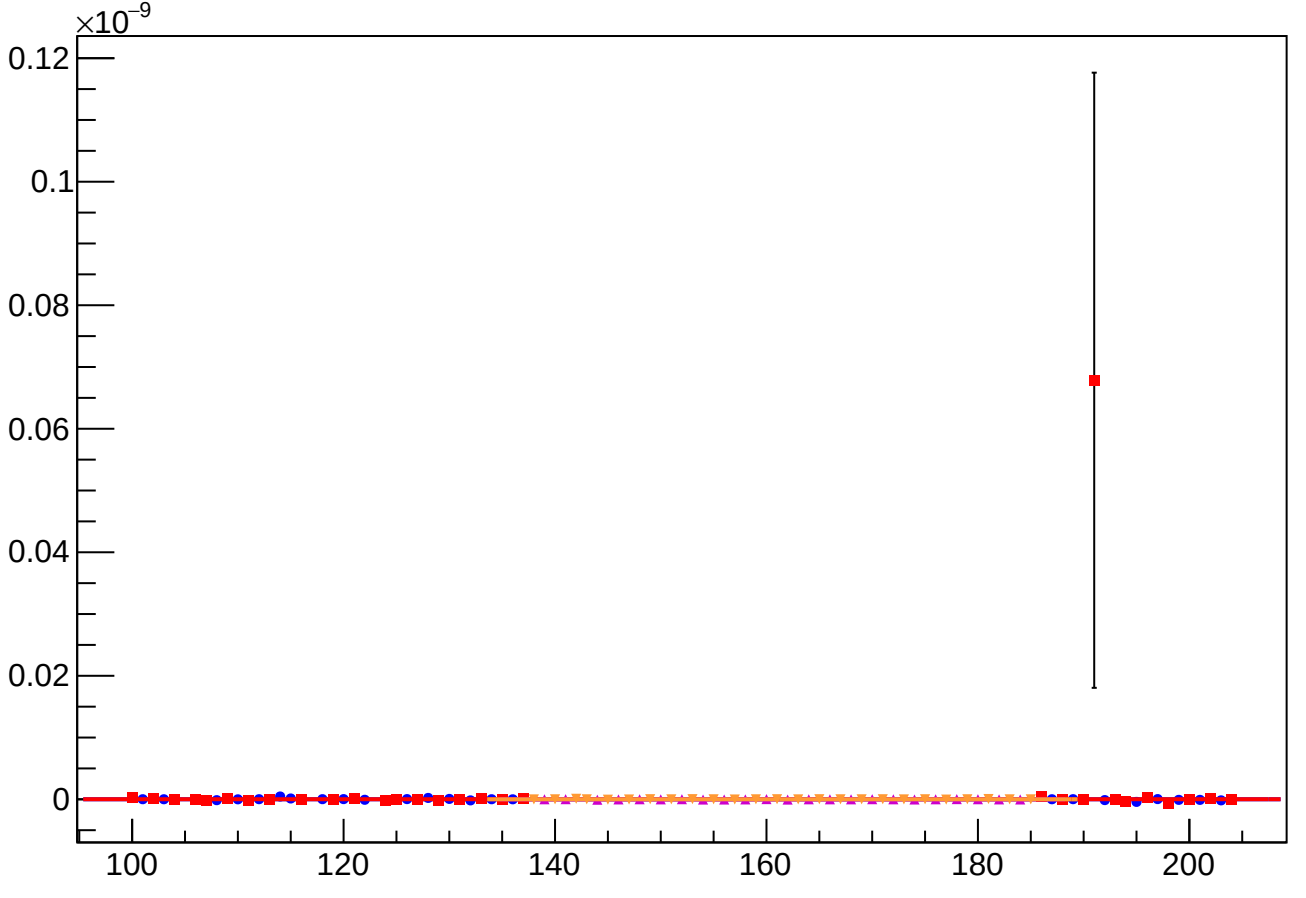
Left: 1947.116+/-0.225 χ^2/NDF: 204552.7/47

Right: 2122.045+/-0.286 χ^2/NDF: 1971121.5/53

In: 2004.683+/-0.254 χ^2/NDF:980727.4/46

Out: 2022.230+/-0.246 χ^2/NDF:1423724.8/54

All: 2013.768+/-0.177 χ^2/NDF: 2406915.5/10



Right In: 0.000+/-0.000 χ^2/NDF: 28.4/23

Left Out: 0.000+/-0.000 χ^2/NDF:28.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 30.2/29

Left In: -0.000+/-0.000 χ^2/NDF:31.1/22

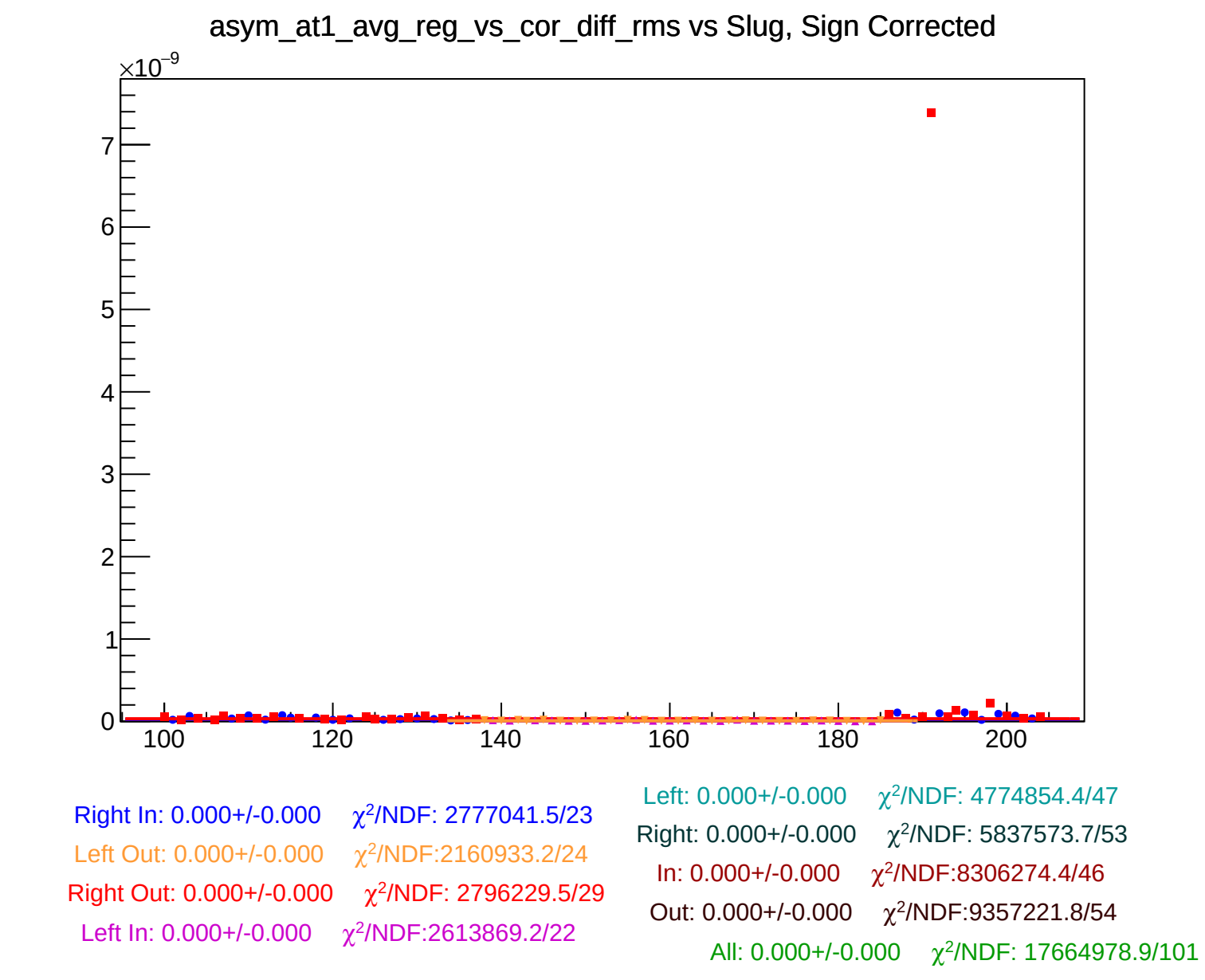
Left: -0.000+/-0.000 χ^2/NDF: 60.4/47

Right: 0.000+/-0.000 χ^2/NDF: 58.9/53

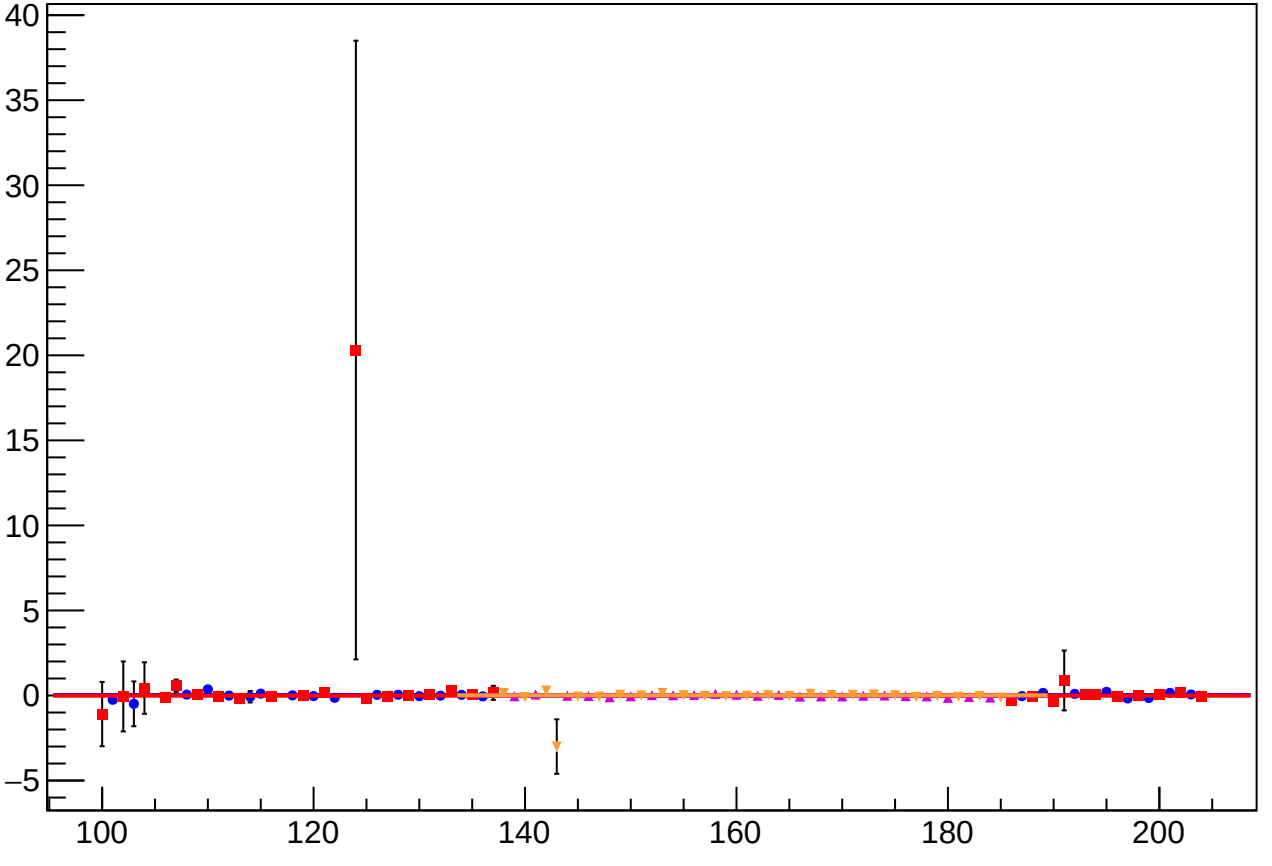
In: -0.000+/-0.000 χ^2/NDF:59.8/46

Out: 0.000+/-0.000 χ^2/NDF:59.5/54

All: -0.000+/-0.000 χ^2/NDF: 120.1/101


asym_at1_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
7
6
5
4
3
2
1
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 2777041.5/23
Left Out: 0.000+/-0.000 χ²/NDF:2160933.2/24
Right Out: 0.000+/-0.000 χ²/NDF: 2796229.5/29
Left In: 0.000+/-0.000 χ²/NDF:2613869.2/22
Left: 0.000+/-0.000 χ²/NDF: 4774854.4/47
Right: 0.000+/-0.000 χ²/NDF: 5837573.7/53
In: 0.000+/-0.000 χ²/NDF:8306274.4/46
Out: 0.000+/-0.000 χ²/NDF:9357221.8/54
All: 0.000+/-0.000 χ²/NDF: 17664978.9/101

asym_at1_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.025+/-0.022 χ^2/NDF: 20.0/23

Left Out: 0.011+/-0.012 χ^2/NDF:29.6/24

Right Out: -0.009+/-0.021 χ^2/NDF: 27.3/29

Left In: -0.018+/-0.012 χ^2/NDF:20.3/22

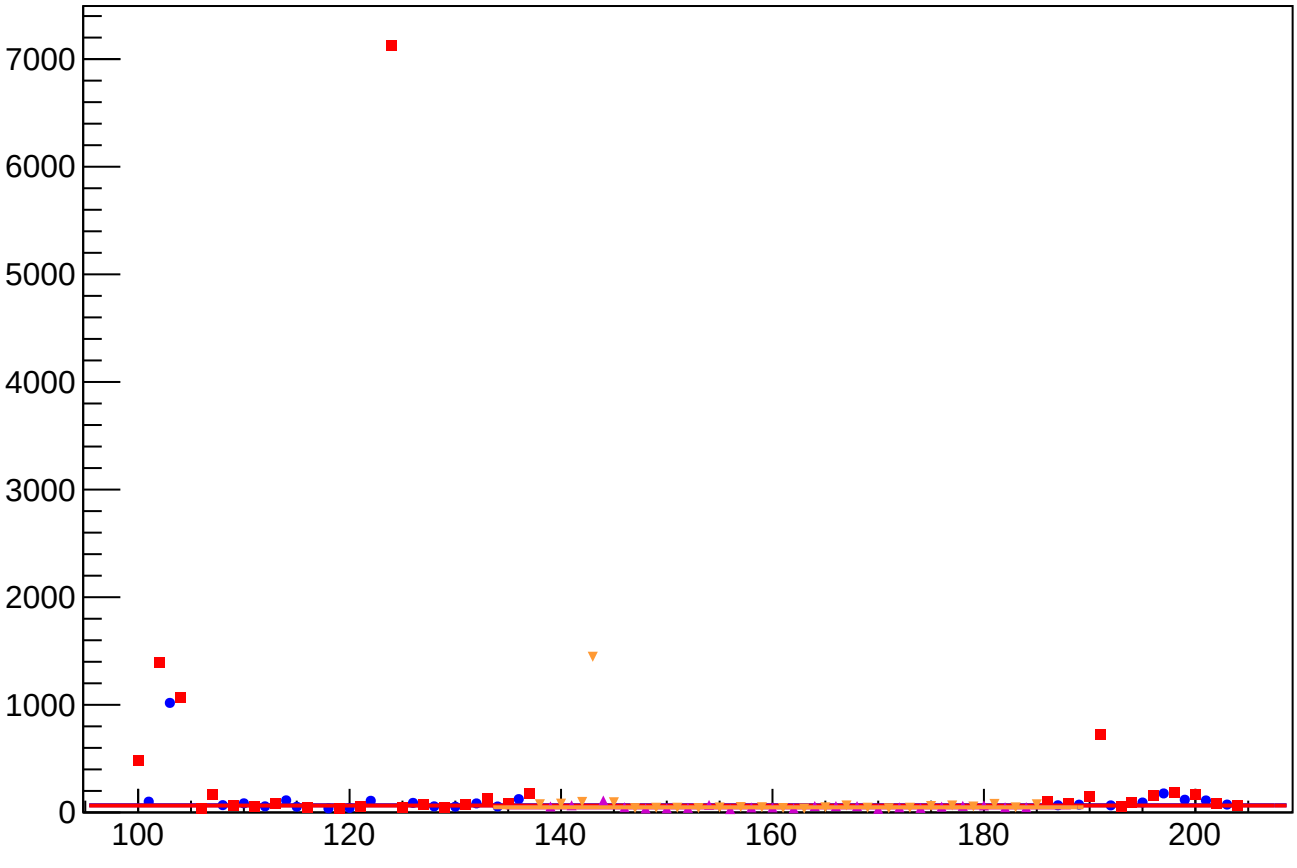
Left: -0.004+/-0.009 χ^2/NDF: 52.8/47

Right: 0.007+/-0.015 χ^2/NDF: 48.5/53

In: -0.008+/-0.011 χ^2/NDF:43.2/46

Out: 0.006+/-0.011 χ^2/NDF:57.6/54

All: -0.001+/-0.008 χ^2/NDF: 101.7/101



Right In: 67.087+/-0.016 χ^2/NDF: 3773358.3/23

Left Out: 47.901+/-0.009 χ^2/NDF:3496596.6/24

Right Out: 64.112+/-0.015 χ^2/NDF: 6174991.4/29

Left In: 46.786+/-0.009 χ^2/NDF:1949486.1/22

Left: 47.335+/-0.006 χ^2/NDF: 5454241.8/47

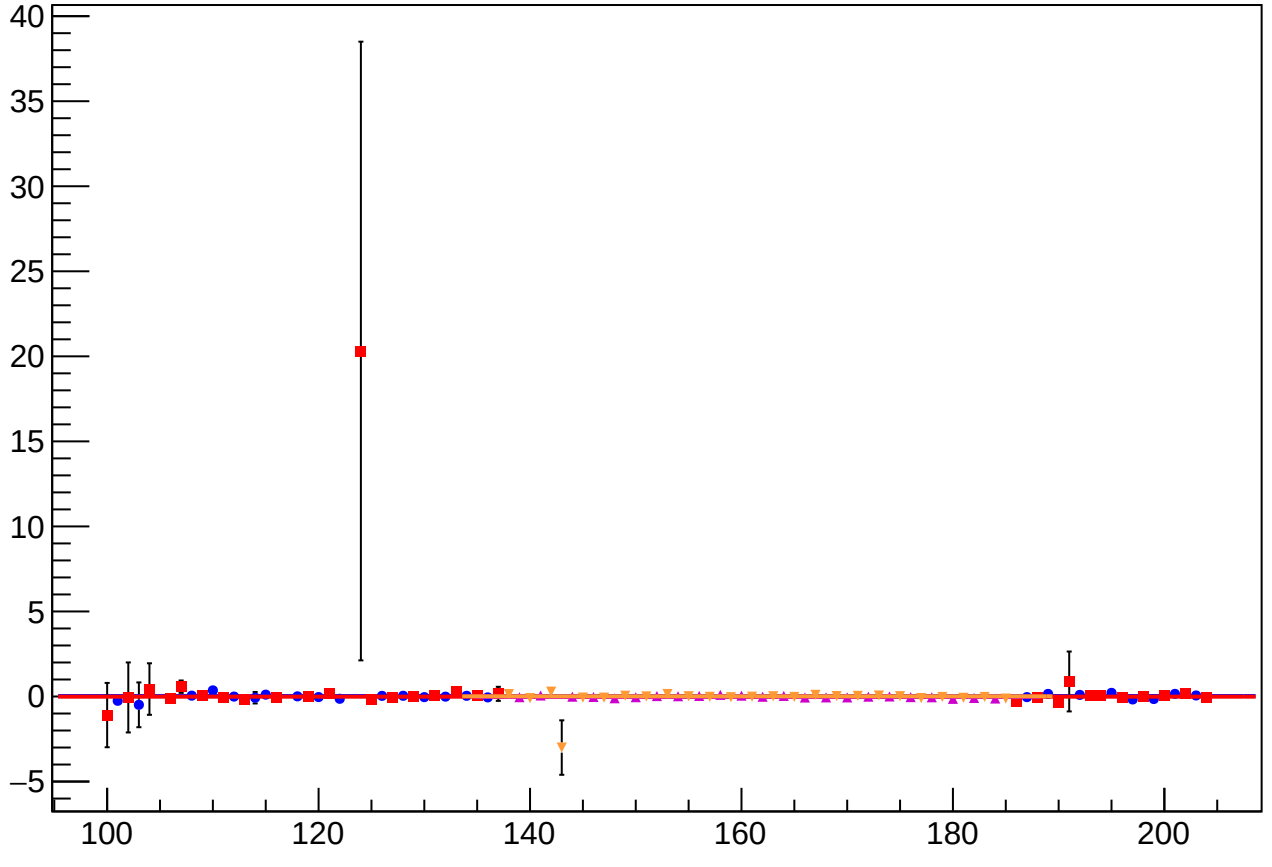
Right: 65.505+/-0.011 χ^2/NDF: 9967288.3/53

In: 51.497+/-0.008 χ^2/NDF:6996662.8/46

Out: 52.135+/-0.008 χ^2/NDF:10558275.1/54

All: 51.817+/-0.005 χ^2/NDF: 17558480.9/101

asym_at1_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.025+/-0.022 χ^2/NDF: 20.0/23

Left Out: 0.011+/-0.012 χ^2/NDF:29.6/24

Right Out: -0.009+/-0.021 χ^2/NDF: 27.3/29

Left In: -0.018+/-0.012 χ^2/NDF:20.3/22

Left: -0.004+/-0.009 χ^2/NDF: 52.8/47

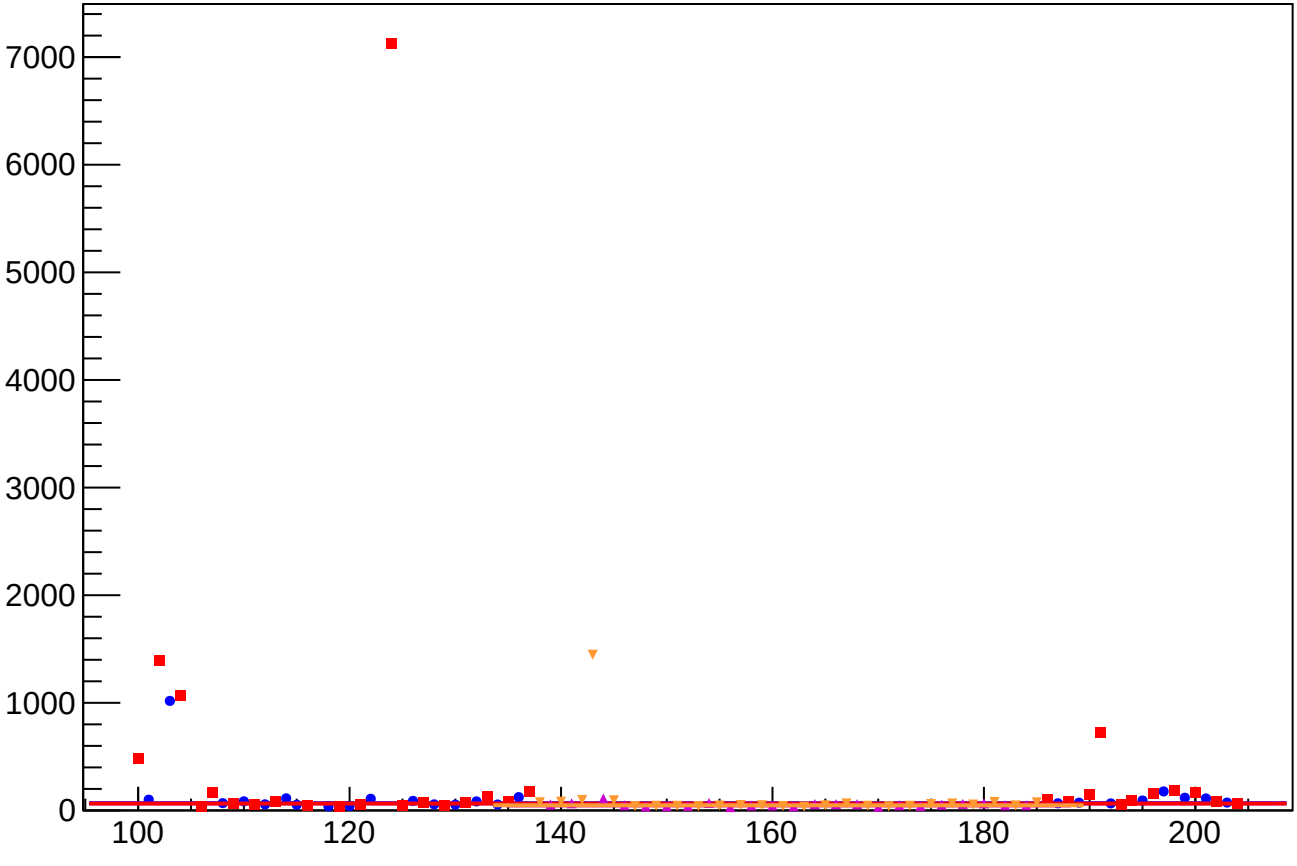
Right: 0.007+/-0.015 χ^2/NDF: 48.5/53

In: -0.008+/-0.011 χ^2/NDF:43.2/46

Out: 0.006+/-0.011 χ^2/NDF:57.6/54

All: -0.001+/-0.008 χ^2/NDF: 101.7/101

asym_at1_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 67.087+/-0.016 χ^2/NDF: 3773358.3/23

Left Out: 47.901+/-0.009 χ^2/NDF:3496596.6/24

Right Out: 64.112+/-0.015 χ^2/NDF: 6174991.4/29

Left In: 46.786+/-0.009 χ^2/NDF:1949486.1/22

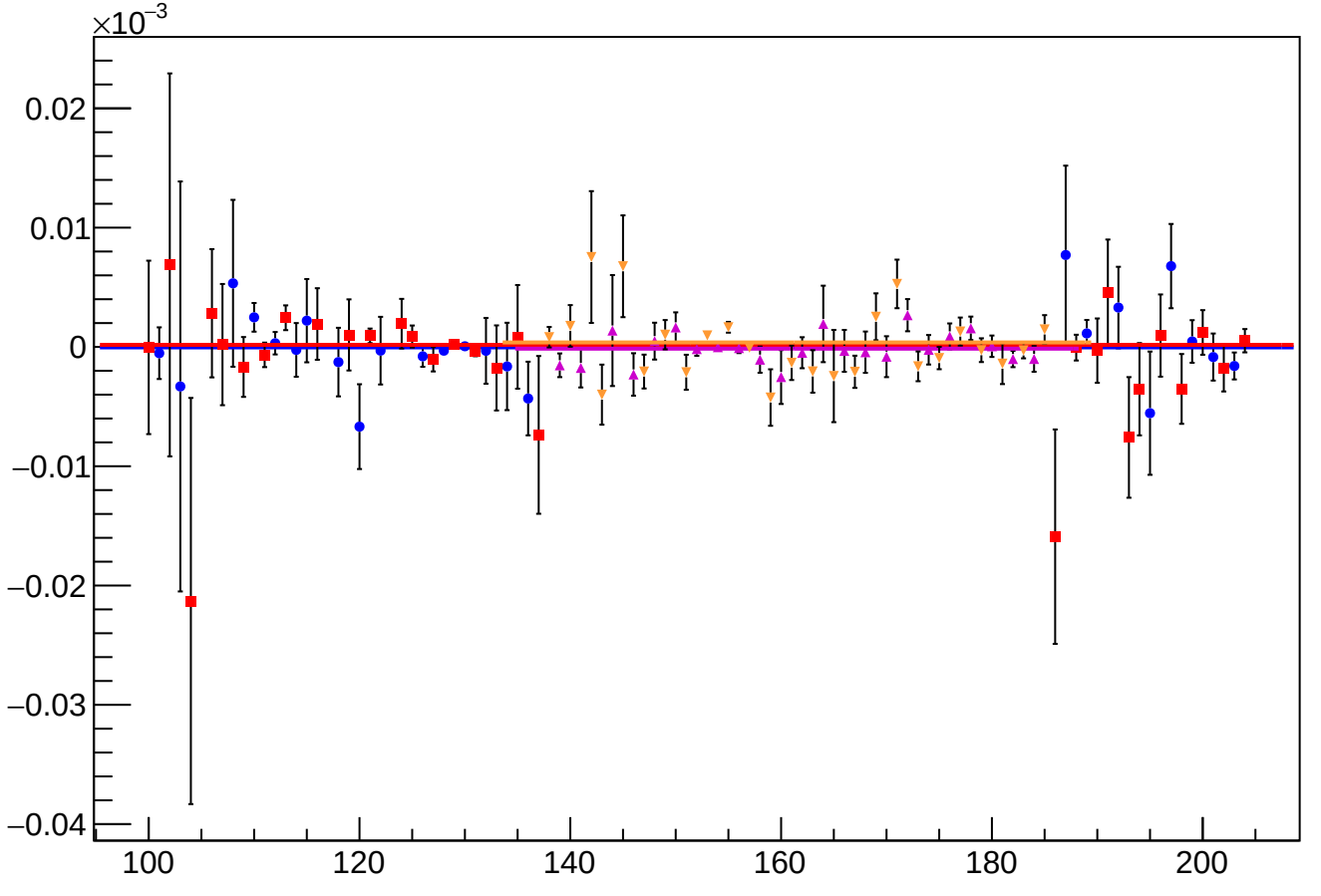
Left: 47.335+/-0.006 χ^2/NDF: 5454241.8/47

Right: 65.505+/-0.011 χ^2/NDF: 9967288.3/53

In: 51.497+/-0.008 χ^2/NDF:6996662.8/46

Out: 52.135+/-0.008 χ^2/NDF:10558275.1/54

All: 51.817+/-0.005 χ^2/NDF: 17558480.9/101



Right In: -0.000+/-0.000 χ^2/NDF: 22.9/23

Left Out: 0.000+/-0.000 χ^2/NDF:51.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 26.3/29

Left In: -0.000+/-0.000 χ^2/NDF:19.9/22

Left: 0.000+/-0.000 χ^2/NDF: 75.6/47

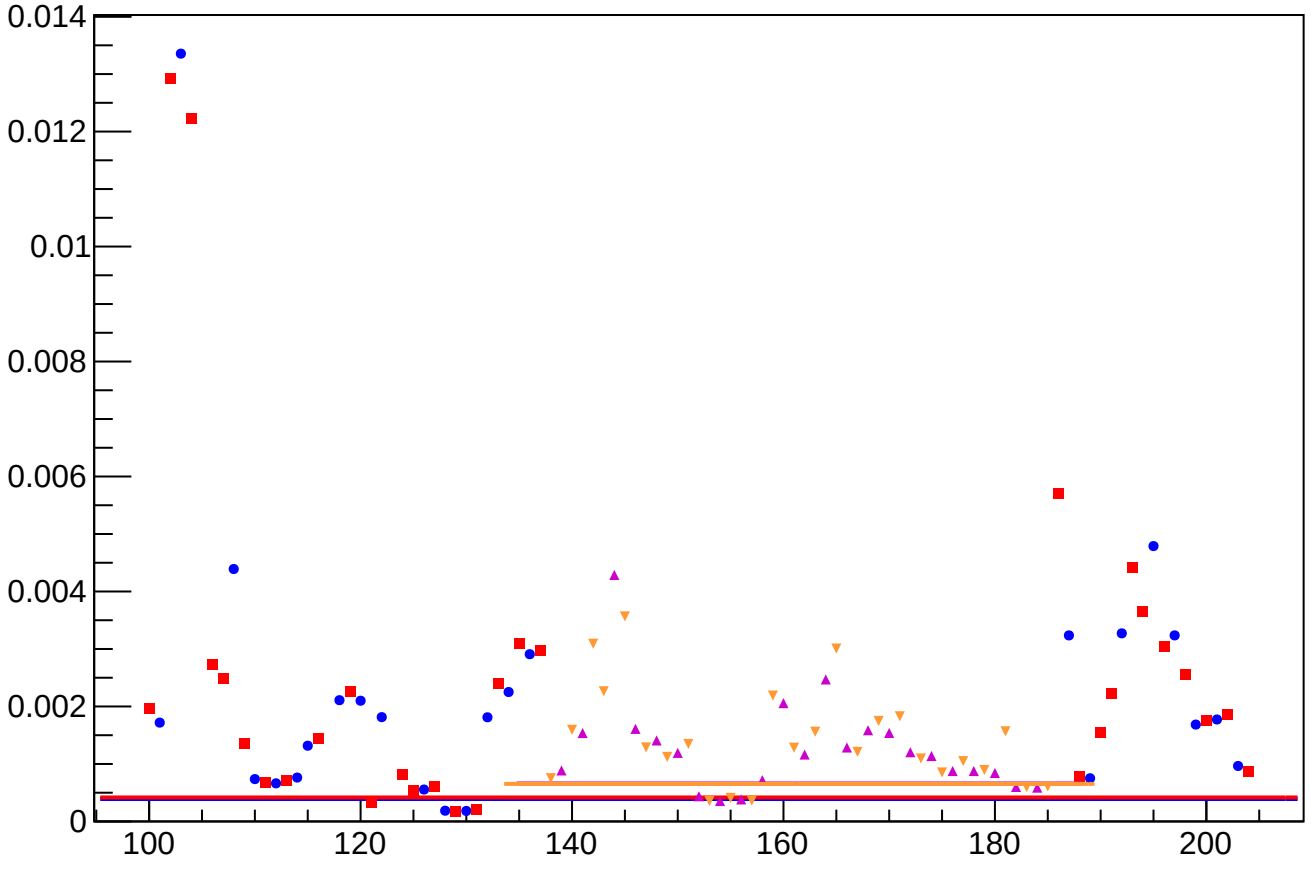
Right: 0.000+/-0.000 χ^2/NDF: 49.8/53

In: -0.000+/-0.000 χ^2/NDF:43.0/46

Out: 0.000+/-0.000 χ^2/NDF:78.6/54

All: 0.000+/-0.000 χ^2/NDF: 125.5/101

asym_at1_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 16334253.7/23

Left Out: 0.001+/-0.000 χ^2/NDF:12083891.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 17533633.9/29

Left In: 0.001+/-0.000 χ^2/NDF:9695095.3/22

Left: 0.001+/-0.000 χ^2/NDF: 21780521.8/47

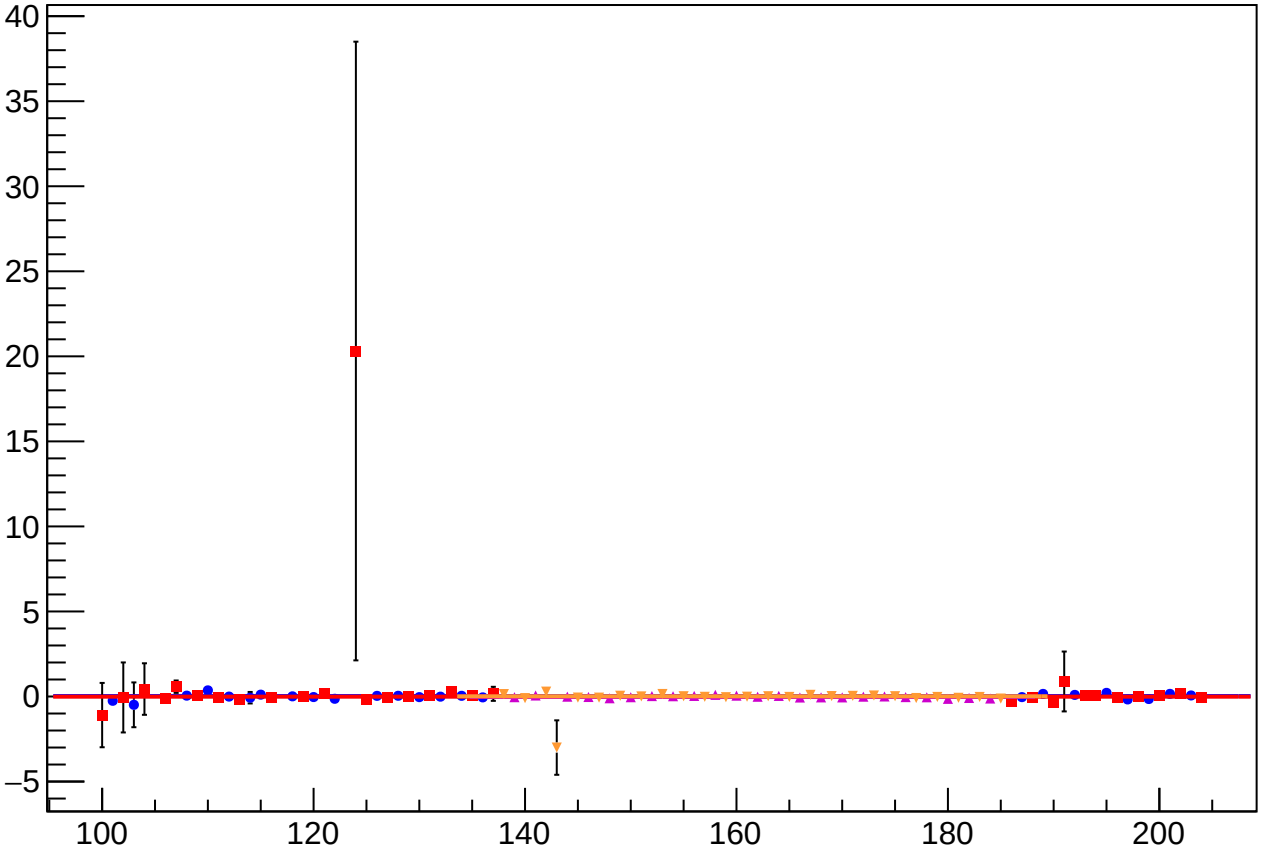
Right: 0.000+/-0.000 χ^2/NDF: 33889472.3/53

In: 0.001+/-0.000 χ^2/NDF:28129944.5/46

Out: 0.001+/-0.000 χ^2/NDF:31290949.7/54

All: 0.001+/-0.000 χ^2/NDF: 59429411.7/101

asym_at1_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.025+/-0.022 χ^2/NDF: 20.0/23

Left Out: 0.011+/-0.012 χ^2/NDF:29.6/24

Right Out: -0.009+/-0.021 χ^2/NDF: 27.3/29

Left In: -0.018+/-0.012 χ^2/NDF:20.3/22

Left: -0.004+/-0.009 χ^2/NDF: 52.8/47

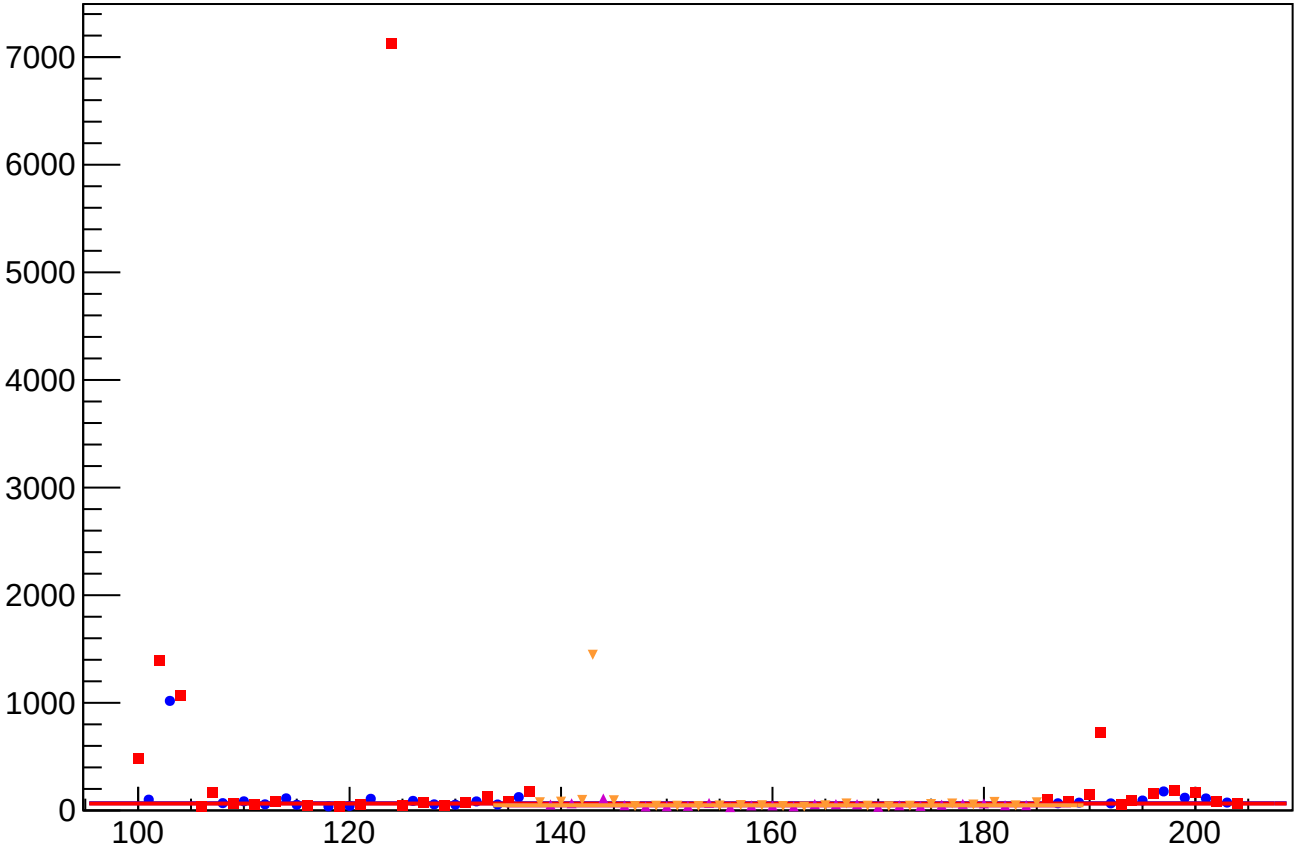
Right: 0.007+/-0.015 χ^2/NDF: 48.5/53

In: -0.008+/-0.011 χ^2/NDF:43.2/46

Out: 0.006+/-0.011 χ^2/NDF:57.6/54

All: -0.001+/-0.008 χ^2/NDF: 101.7/101

asym_at1_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 67.087+/-0.016 χ^2/NDF: 3773399.7/23

Left Out: 47.902+/-0.009 χ^2/NDF:3496571.8/24

Right Out: 64.111+/-0.015 χ^2/NDF: 6175153.3/29

Left In: 46.786+/-0.009 χ^2/NDF:1949480.3/22

Left: 47.335+/-0.006 χ^2/NDF: 5454214.5/47

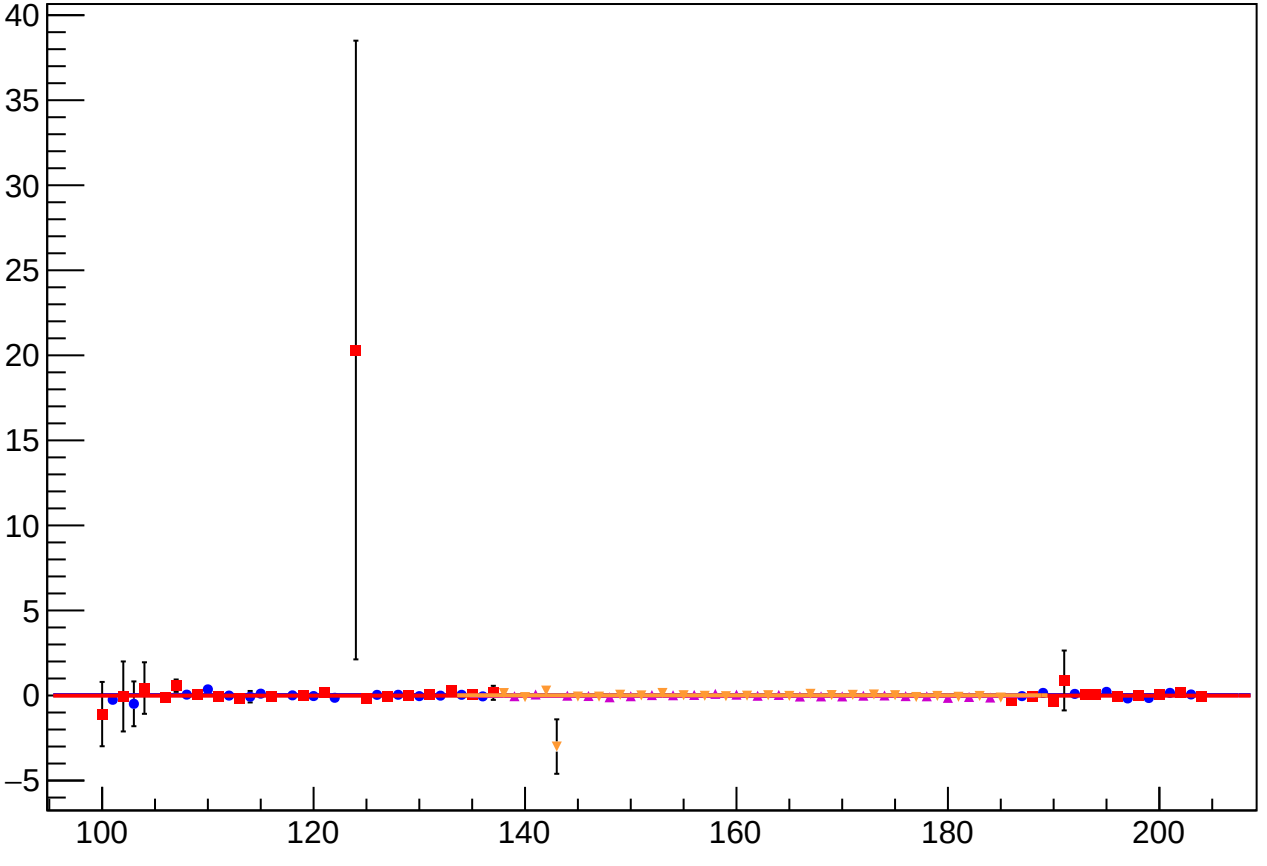
Right: 65.505+/-0.011 χ^2/NDF: 9967503.9/53

In: 51.497+/-0.008 χ^2/NDF:6996697.3/46

Out: 52.135+/-0.008 χ^2/NDF:10558292.9/54

All: 51.817+/-0.005 χ^2/NDF: 17558533.3/101

asym_at1_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.025+/-0.022 χ^2/NDF: 20.0/23

Left Out: 0.011+/-0.012 χ^2/NDF:29.6/24

Right Out: -0.009+/-0.021 χ^2/NDF: 27.3/29

Left In: -0.018+/-0.012 χ^2/NDF:20.3/22

Left: -0.004+/-0.009 χ^2/NDF: 52.8/47

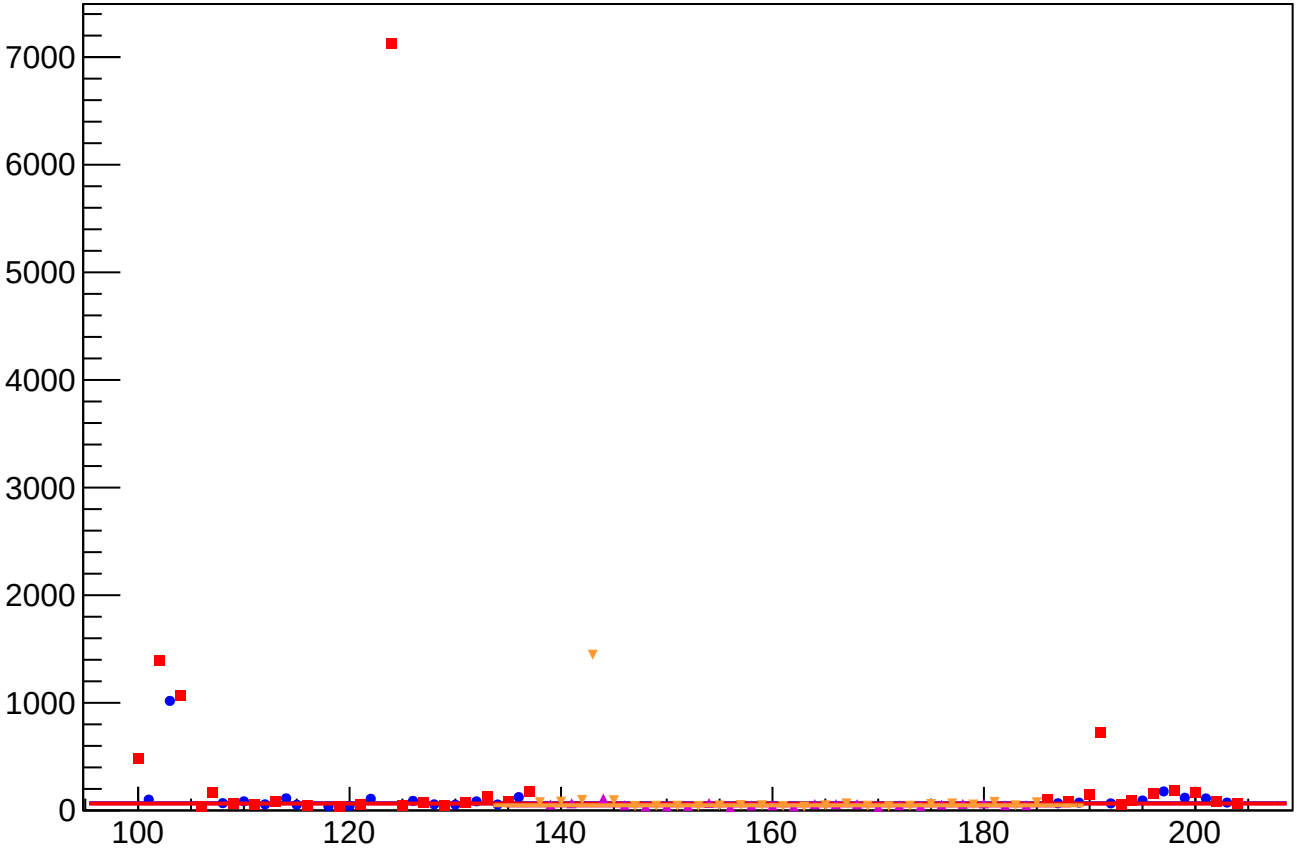
Right: 0.007+/-0.015 χ^2/NDF: 48.5/53

In: -0.008+/-0.011 χ^2/NDF:43.2/46

Out: 0.006+/-0.011 χ^2/NDF:57.6/54

All: -0.001+/-0.008 χ^2/NDF: 101.7/101

asym_at1_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 67.087+/-0.016 χ^2/NDF: 3773399.7/23

Left Out: 47.902+/-0.009 χ^2/NDF:3496571.8/24

Right Out: 64.111+/-0.015 χ^2/NDF: 6175153.3/29

Left In: 46.786+/-0.009 χ^2/NDF:1949480.3/22

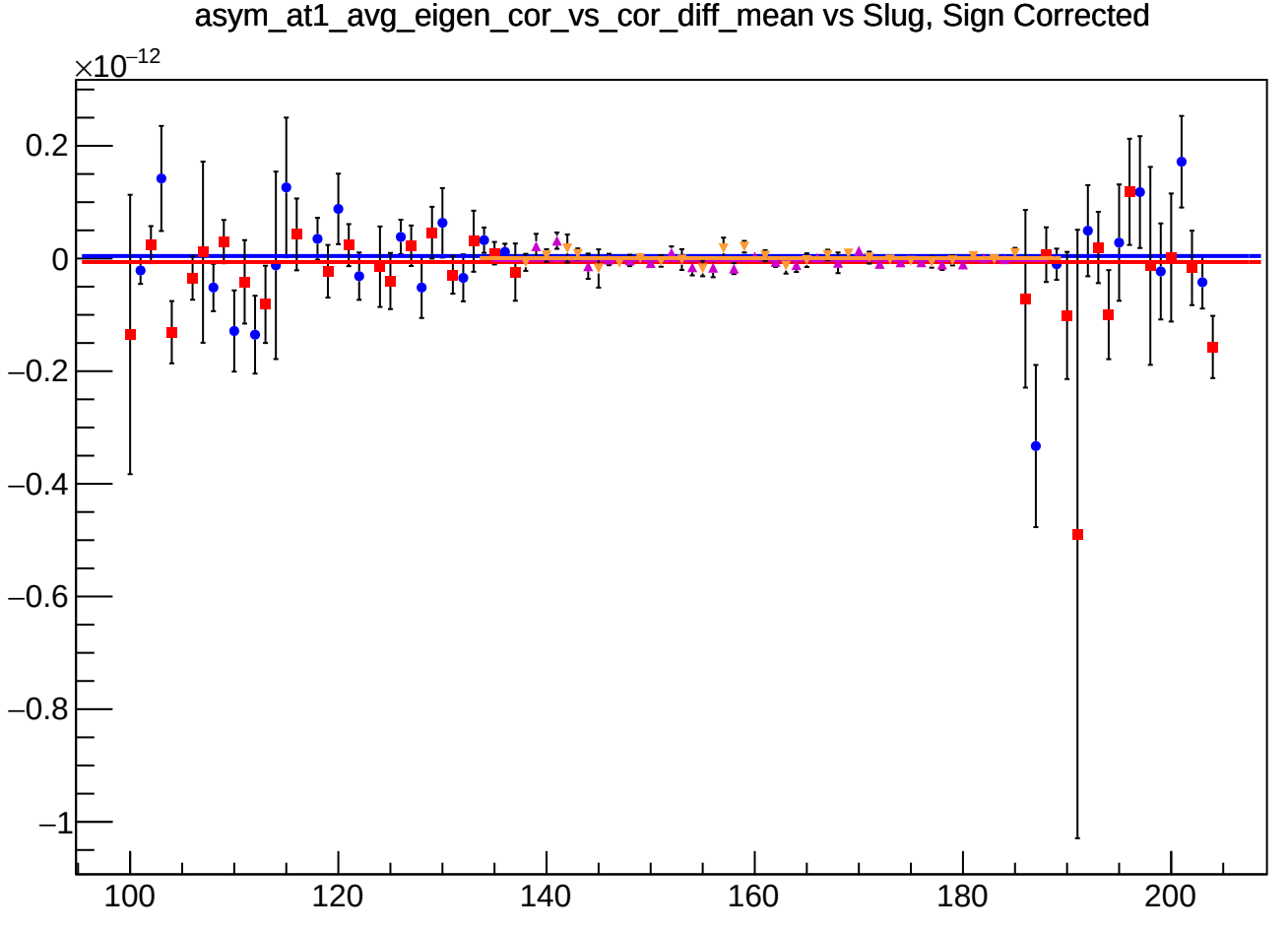
Left: 47.335+/-0.006 χ^2/NDF: 5454214.5/47

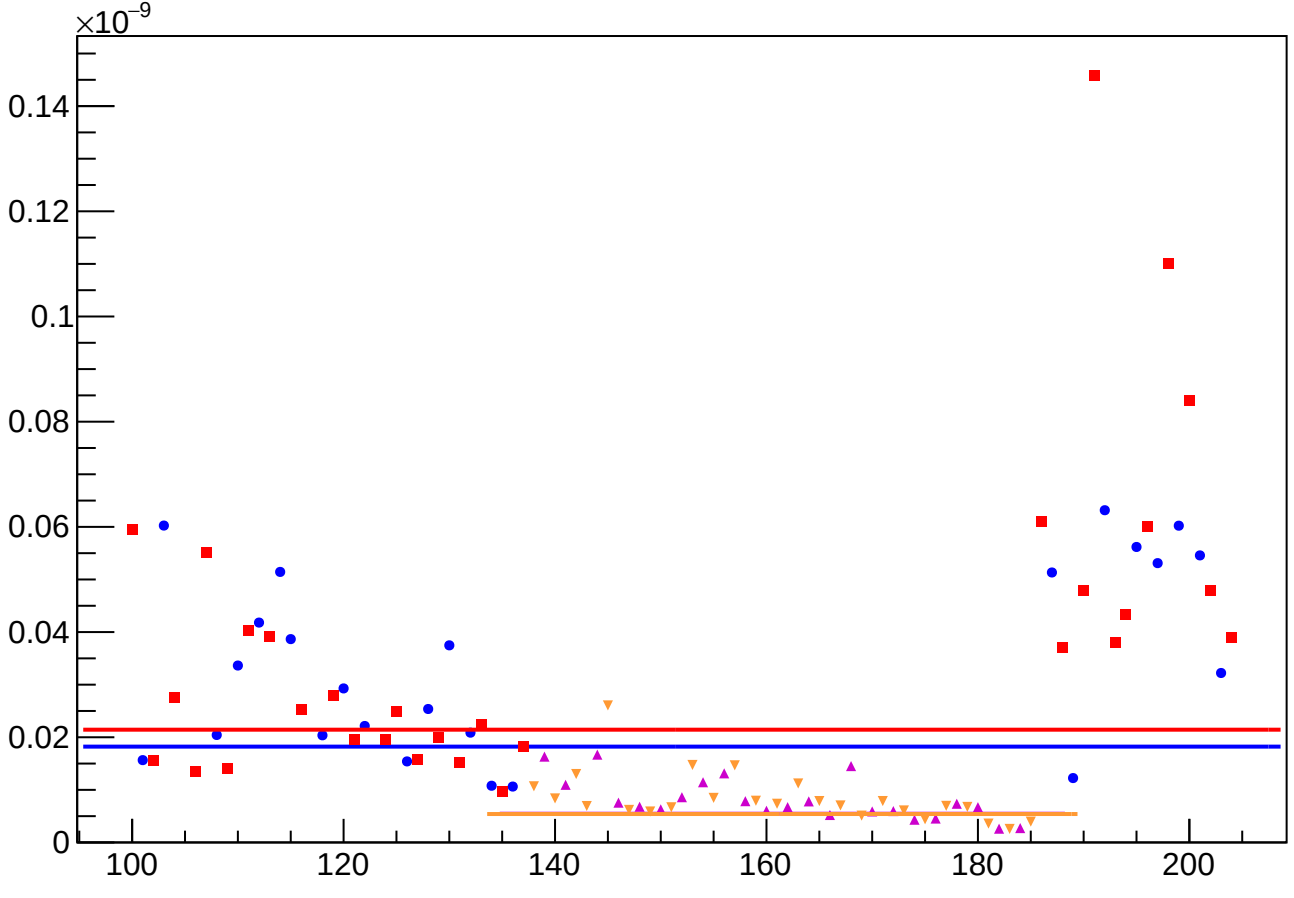
Right: 65.505+/-0.011 χ^2/NDF: 9967503.9/53

In: 51.497+/-0.008 χ^2/NDF:6996697.3/46

Out: 52.135+/-0.008 χ^2/NDF:10558292.9/54

All: 51.817+/-0.005 χ^2/NDF: 17558533.3/101


asym_at1_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 35.4/23
Left Out: 0.000+/-0.000 χ²/NDF:15.1/24
Right Out: -0.000+/-0.000 χ²/NDF: 27.1/29
Left In: -0.000+/-0.000 χ²/NDF:21.8/22
Left: -0.000+/-0.000 χ²/NDF: 38.7/47
Right: -0.000+/-0.000 χ²/NDF: 63.3/53
In: -0.000+/-0.000 χ²/NDF:57.9/46
Out: 0.000+/-0.000 χ²/NDF:42.8/54
All: -0.000+/-0.000 χ²/NDF: 102.0/101



Right In: 0.000+/-0.000 χ^2/NDF: 4392016.6/23

Left Out: 0.000+/-0.000 χ^2/NDF:5134602.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4347827.6/29

Left In: 0.000+/-0.000 χ^2/NDF:4905821.2/22

Left: 0.000+/-0.000 χ^2/NDF: 10041467.9/47

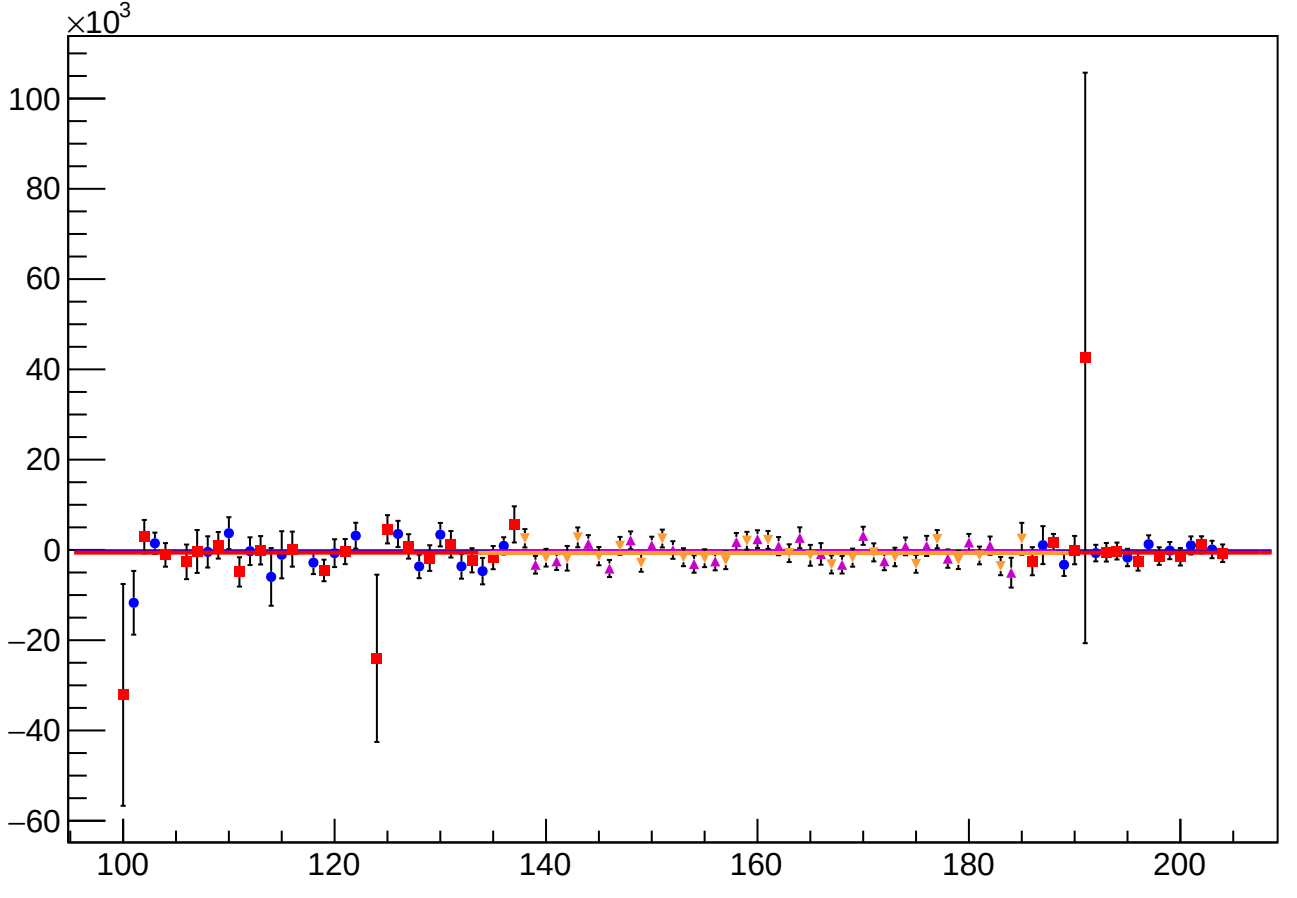
Right: 0.000+/-0.000 χ^2/NDF: 8882621.1/53

In: 0.000+/-0.000 χ^2/NDF:14207475.2/46

Out: 0.000+/-0.000 χ^2/NDF:15540065.1/54

All: 0.000+/-0.000 χ^2/NDF: 29751685.1/101

reg_asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -283.800+/-521.018 χ^2/NDF: 20.5/23

Left Out: -670.041+/-412.206 χ^2/NDF:24.7/24

Right Out: -600.452+/-490.454 χ^2/NDF: 20.3/29

Left In: -342.945+/-422.712 χ^2/NDF:30.1/22

Left: -510.608+/-295.118 χ^2/NDF: 55.1/47

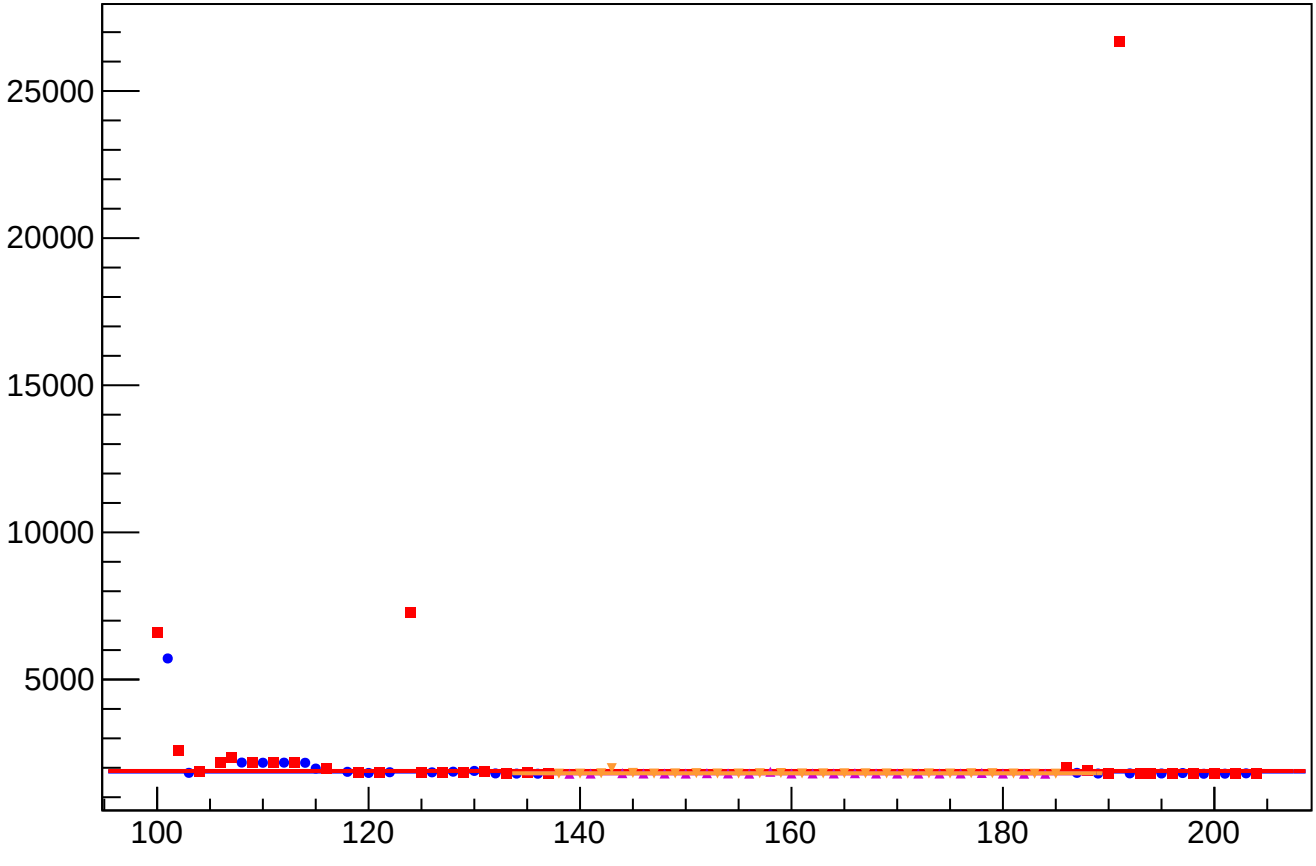
Right: -451.685+/-357.120 χ^2/NDF: 41.0/53

In: -319.468+/-328.262 χ^2/NDF:50.5/46

Out: -641.234+/-315.557 χ^2/NDF:45.0/54

All: -486.698+/-227.491 χ^2/NDF: 96.1/101

reg_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1871.456+/-0.368 χ^2/NDF: 669459.6/23

Left Out: 1814.435+/-0.291 χ^2/NDF:13102.1/24

Right Out: 1891.586+/-0.347 χ^2/NDF: 741804.1/29

Left In: 1810.457+/-0.299 χ^2/NDF:1967.2/22

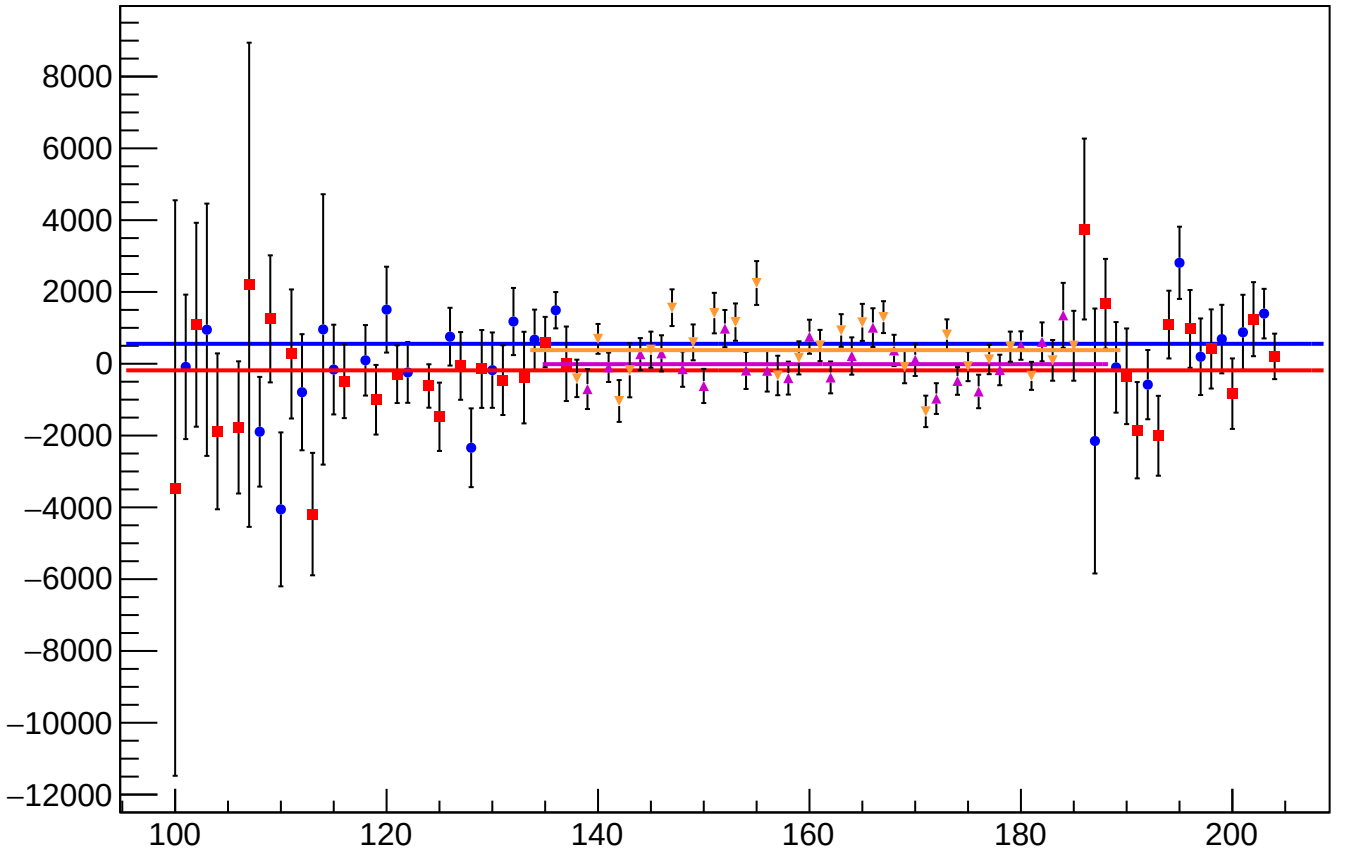
Left: 1812.496+/-0.209 χ^2/NDF: 15160.0/47

Right: 1882.129+/-0.253 χ^2/NDF: 1412846.8/53

In: 1834.671+/-0.232 χ^2/NDF:687958.3/46

Out: 1846.372+/-0.223 χ^2/NDF:783909.9/54

All: 1840.752+/-0.161 χ^2/NDF: 1473189.1/10



Right In: 555.343+/-209.839 χ^2/NDF: 30.4/23

Left Out: 379.353+/-97.013 χ^2/NDF:62.3/24

Right Out: -183.758+/-197.511 χ^2/NDF: 27.5/29

Left In: -11.527+/-98.976 χ^2/NDF:31.1/22

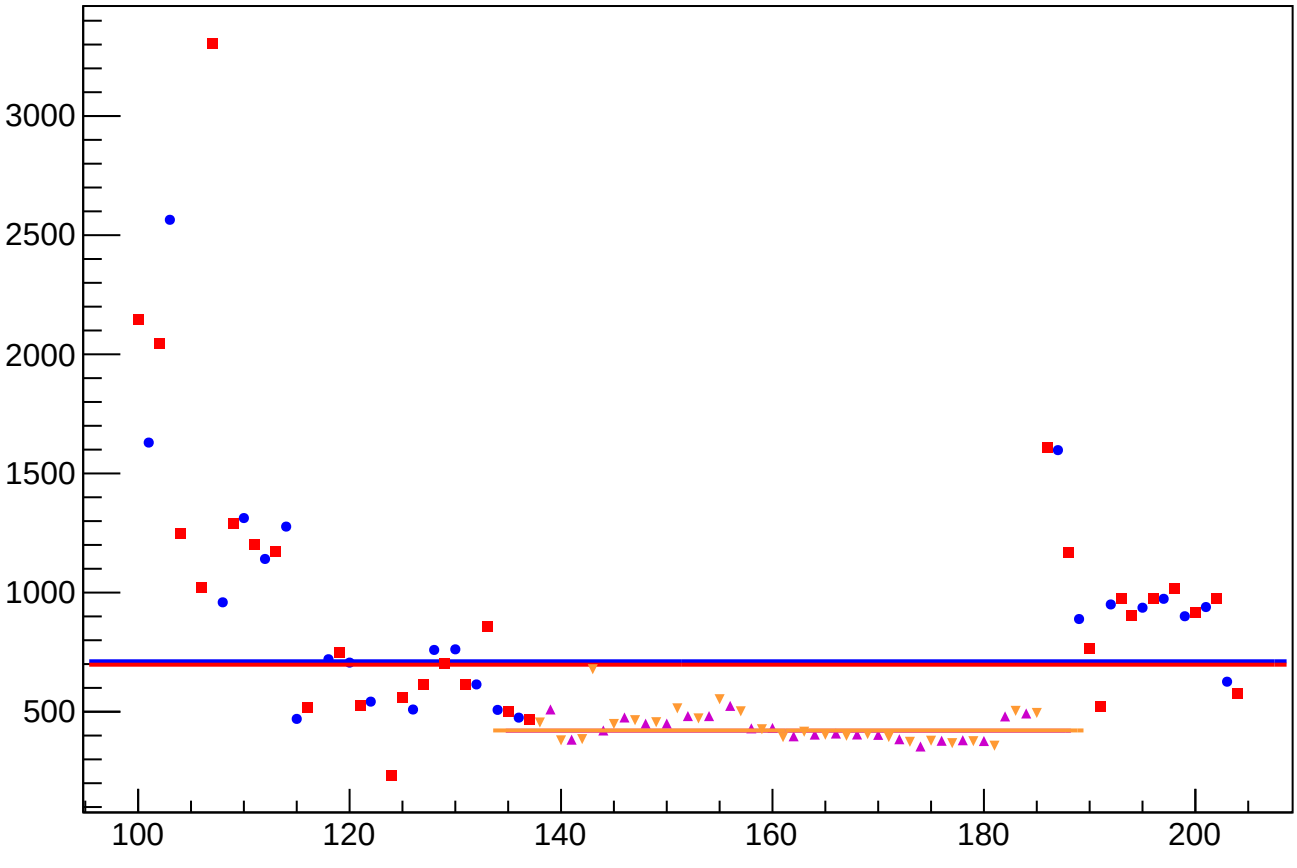
Left: 187.827+/-69.282 χ^2/NDF: 101.4/47

Right: 163.445+/-143.822 χ^2/NDF: 64.5/53

In: 91.637+/-89.518 χ^2/NDF:67.5/46

Out: 269.904+/-87.076 χ^2/NDF:96.4/54

All: 183.235+/-62.418 χ^2/NDF: 165.9/101



Right In: 711.688+/-0.148 χ^2/NDF: 2937091.7/23

Left Out: 421.417+/-0.069 χ^2/NDF:743048.1/24

Right Out: 697.399+/-0.140 χ^2/NDF: 4661751.1/29

Left In: 420.222+/-0.070 χ^2/NDF:413129.7/22

Left: 420.831+/-0.049 χ^2/NDF: 1156326.3/47

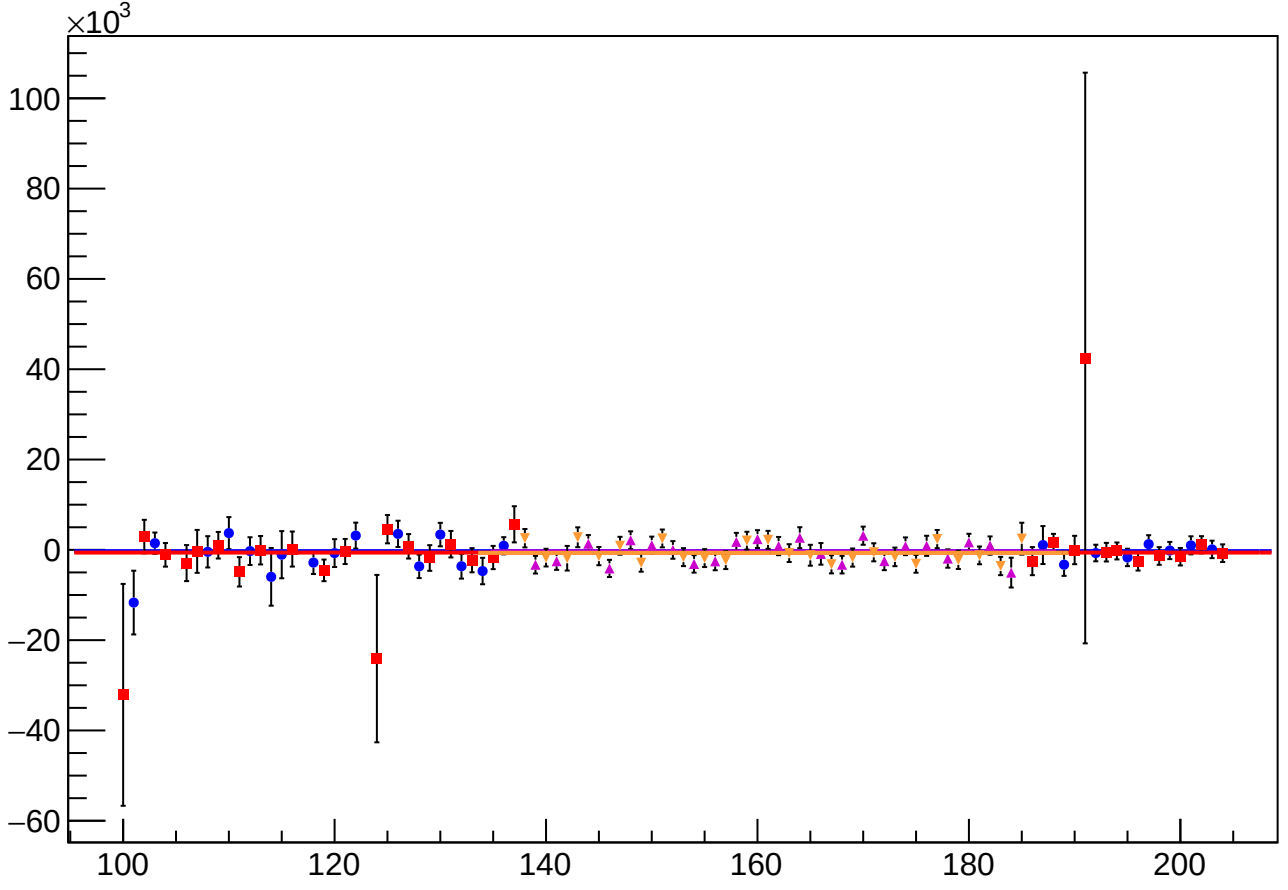
Right: 704.112+/-0.102 χ^2/NDF: 7603760.0/53

In: 473.266+/-0.063 χ^2/NDF:6506625.1/46

Out: 475.058+/-0.062 χ^2/NDF:8550738.7/54

All: 474.187+/-0.044 χ^2/NDF: 15057775.5/10

cor_asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -283.391+/-521.018 χ^2/NDF: 20.5/23

Left Out: -670.031+/-412.206 χ^2/NDF:24.7/24

Right Out: -602.460+/-490.771 χ^2/NDF: 20.4/29

Left In: -342.989+/-422.712 χ^2/NDF:30.1/22

Left: -510.625+/-295.118 χ^2/NDF: 55.1/47

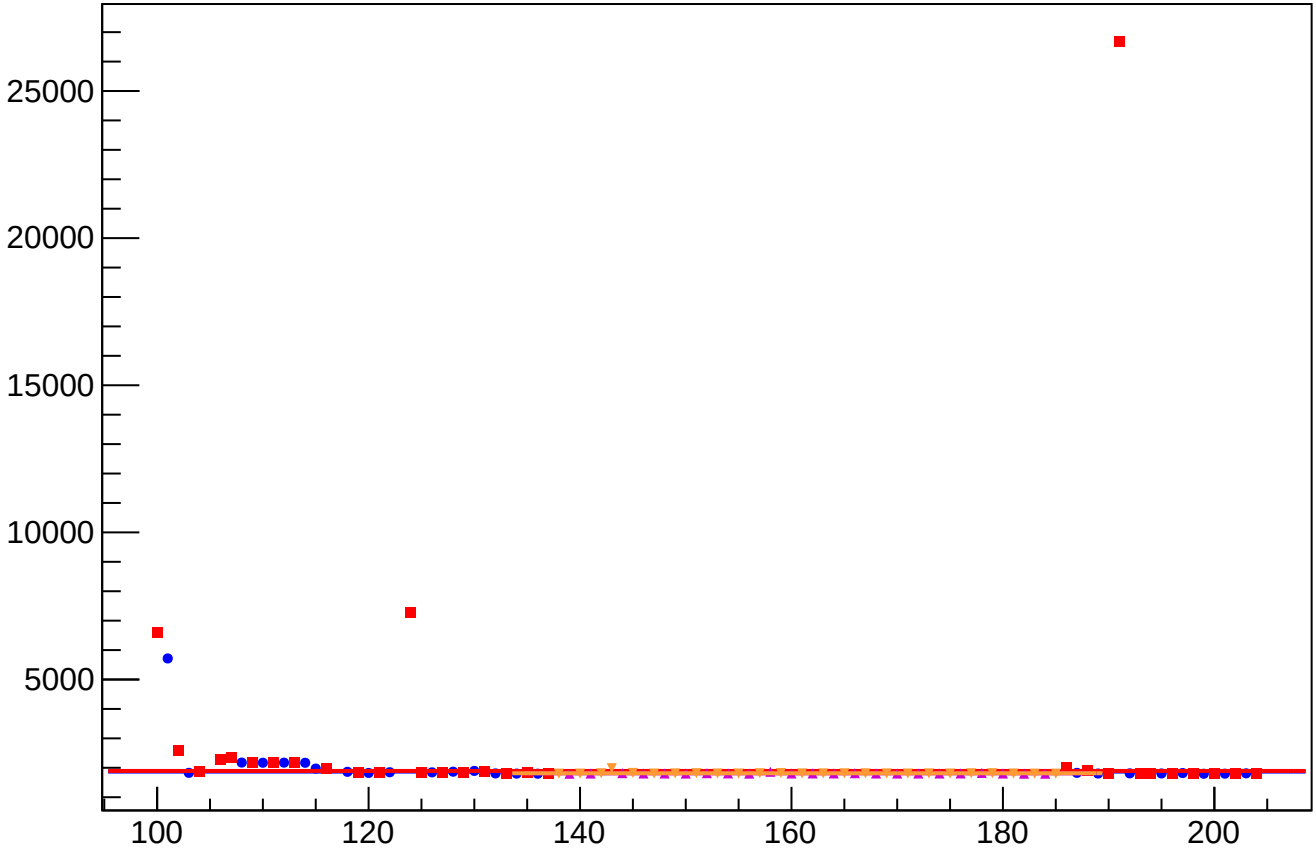
Right: -452.455+/-357.242 χ^2/NDF: 41.0/53

In: -319.332+/-328.262 χ^2/NDF:50.5/46

Out: -642.081+/-315.641 χ^2/NDF:45.1/54

All: -487.030+/-227.523 χ^2/NDF: 96.1/101

cor_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1871.456+/-0.368 χ^2/NDF: 669459.5/23

Left Out: 1814.435+/-0.291 χ^2/NDF:13102.1/24

Right Out: 1892.442+/-0.347 χ^2/NDF: 747780.2/29

Left In: 1810.457+/-0.299 χ^2/NDF:1967.2/22

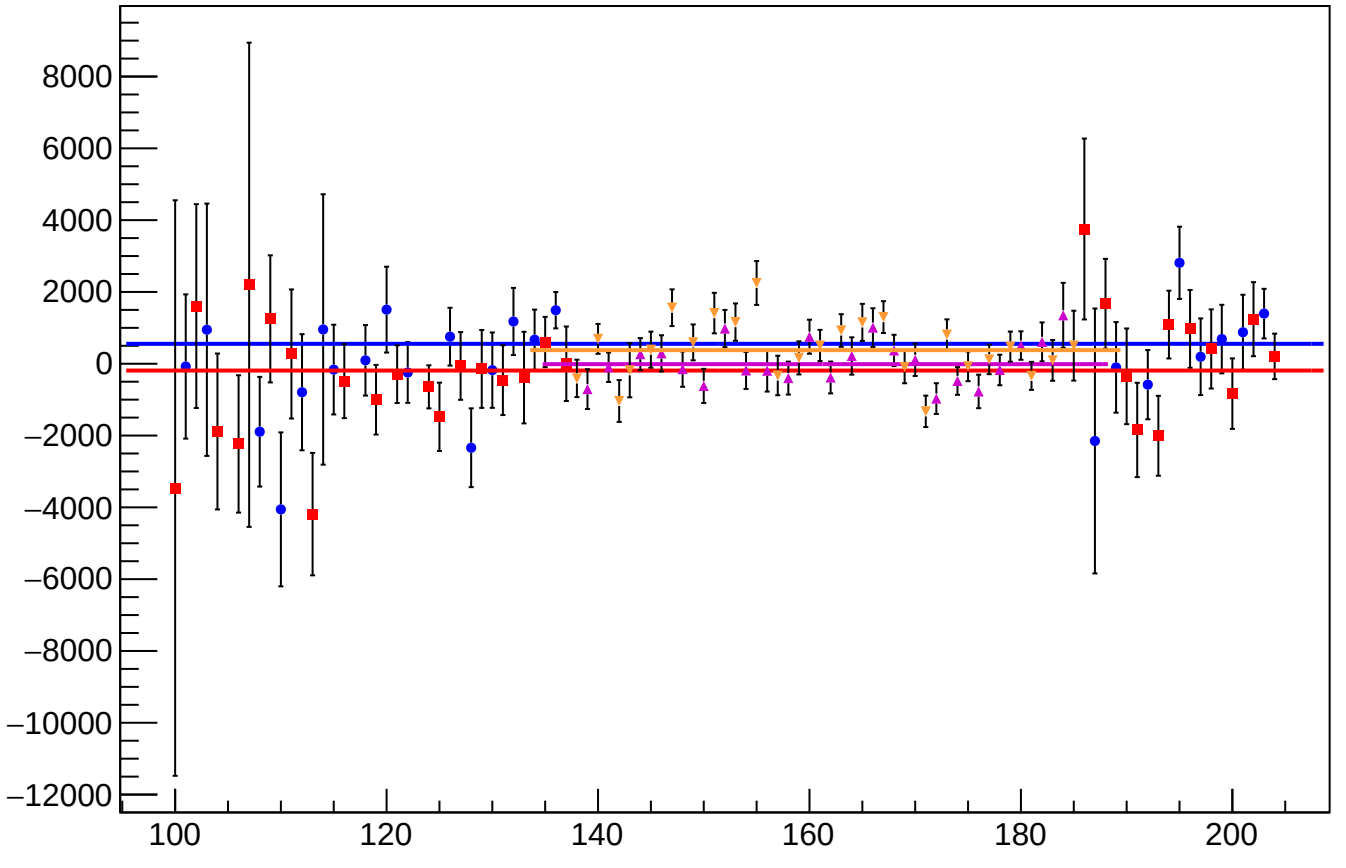
Left: 1812.496+/-0.209 χ^2/NDF: 15160.0/47

Right: 1882.575+/-0.253 χ^2/NDF: 1418959.0/53

In: 1834.671+/-0.232 χ^2/NDF:687958.2/46

Out: 1846.702+/-0.223 χ^2/NDF:790510.1/54

All: 1840.922+/-0.161 χ^2/NDF: 1479864.2/10



Right In: 555.383+/-209.834 χ^2/NDF: 30.4/23

Left Out: 379.343+/-97.014 χ^2/NDF:62.3/24

Right Out: -189.350+/-197.348 χ^2/NDF: 28.3/29

Left In: -11.539+/-98.975 χ^2/NDF:31.1/22

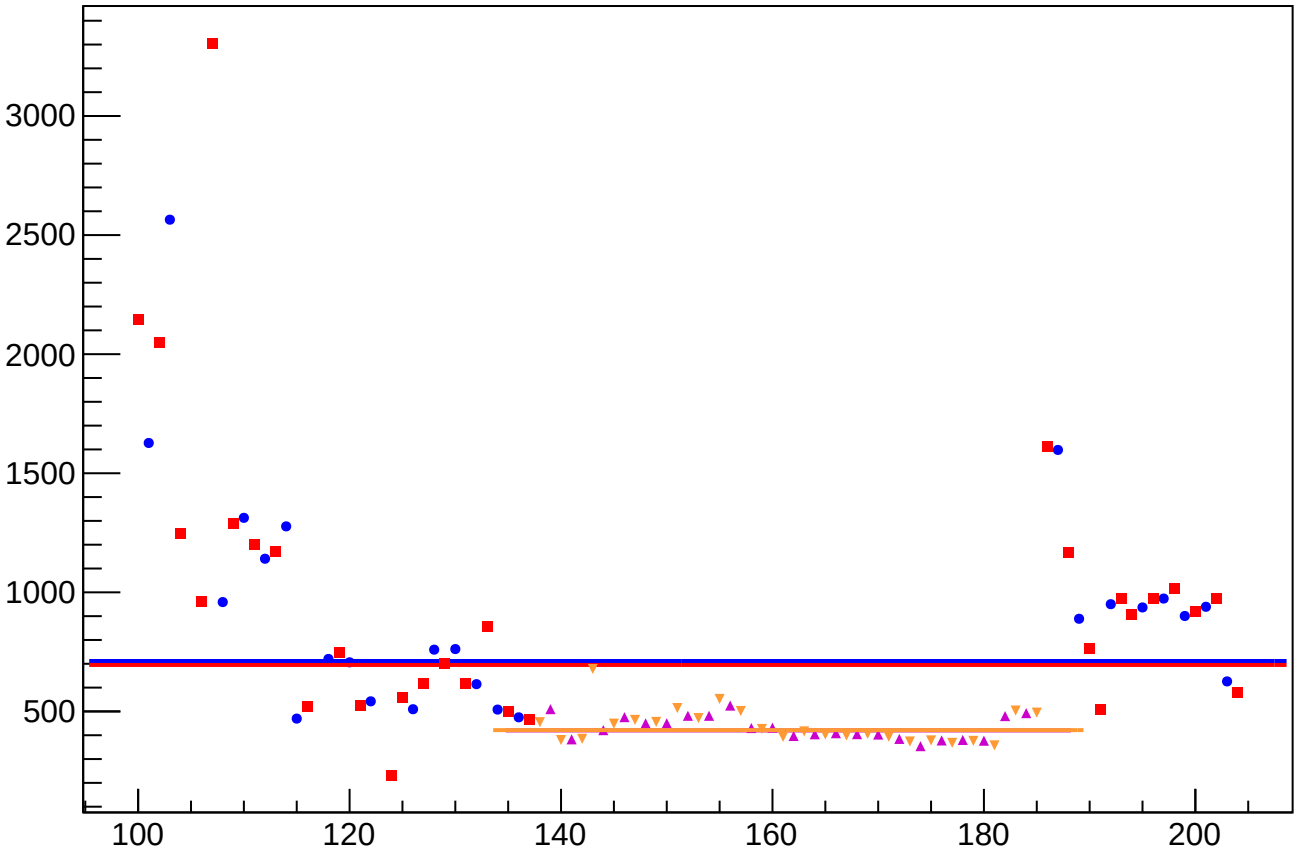
Left: 187.813+/-69.282 χ^2/NDF: 101.4/47

Right: 160.202+/-143.758 χ^2/NDF: 65.4/53

In: 91.637+/-89.517 χ^2/NDF:67.5/46

Out: 268.661+/-87.063 χ^2/NDF:97.3/54

All: 182.609+/-62.412 χ^2/NDF: 166.8/101



Right In: 711.685+/-0.148 χ^2/NDF: 2936267.8/23

Left Out: 421.420+/-0.069 χ^2/NDF:742987.6/24

Right Out: 695.143+/-0.140 χ^2/NDF: 4673169.9/29

Left In: 420.218+/-0.070 χ^2/NDF:413172.4/22

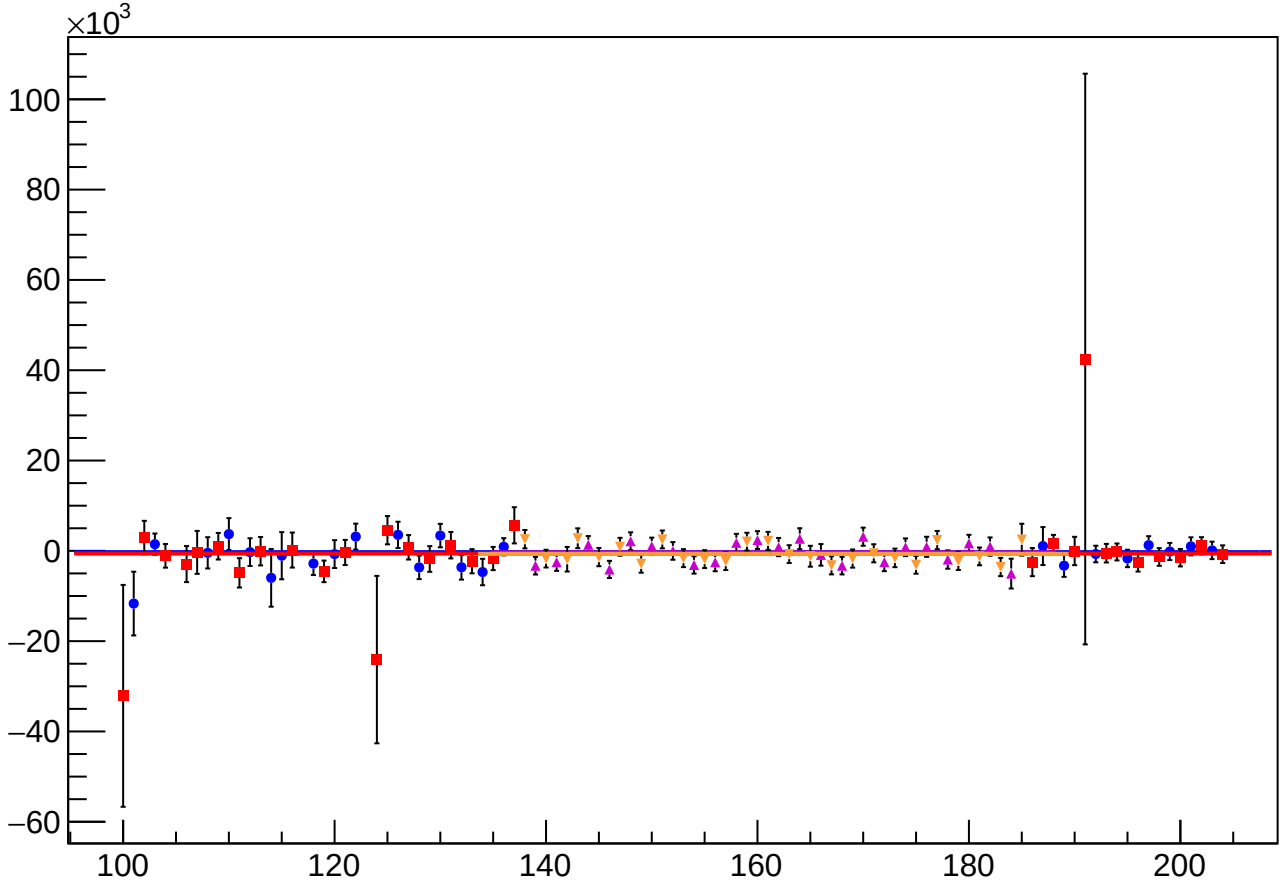
Left: 420.831+/-0.049 χ^2/NDF: 1156310.3/47

Right: 702.907+/-0.102 χ^2/NDF: 7616033.4/53

In: 473.264+/-0.063 χ^2/NDF:6505993.4/46

Out: 474.693+/-0.062 χ^2/NDF:8514894.7/54

All: 473.998+/-0.044 χ^2/NDF: 15021150.3/10



Right In: -283.391+/-521.018 χ^2/NDF: 20.5/23

Left Out: -670.031+/-412.206 χ^2/NDF:24.7/24

Right Out: -602.460+/-490.771 χ^2/NDF: 20.4/29

Left In: -342.989+/-422.712 χ^2/NDF:30.1/22

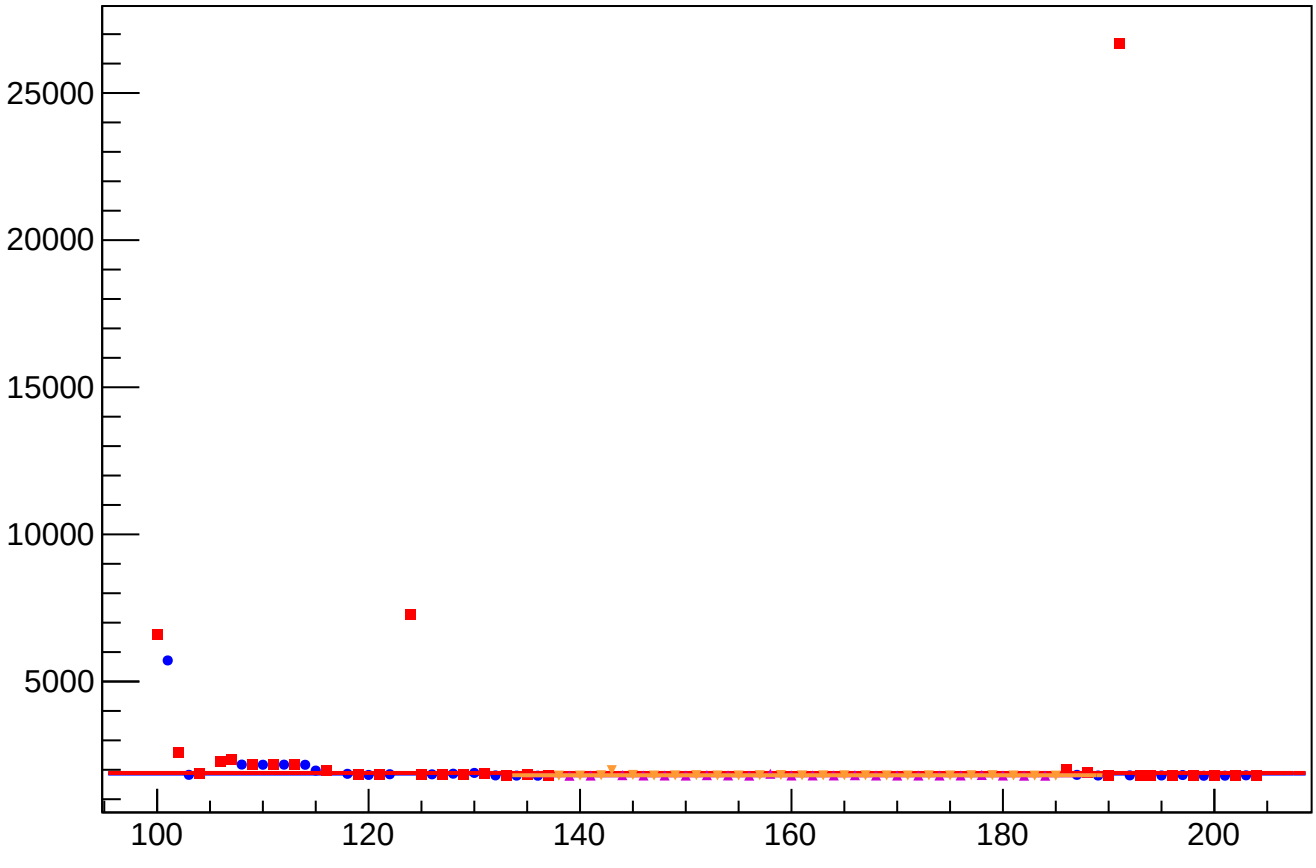
Left: -510.625+/-295.118 χ^2/NDF: 55.1/47

Right: -452.455+/-357.242 χ^2/NDF: 41.0/53

In: -319.332+/-328.262 χ^2/NDF:50.5/46

Out: -642.081+/-315.641 χ^2/NDF:45.1/54

All: -487.030+/-227.523 χ^2/NDF: 96.1/101



Right In: 1871.456+/-0.368 χ^2/NDF: 669459.5/23

Left Out: 1814.435+/-0.291 χ^2/NDF:13102.1/24

Right Out: 1892.442+/-0.347 χ^2/NDF: 747780.2/29

Left In: 1810.457+/-0.299 χ^2/NDF:1967.2/22

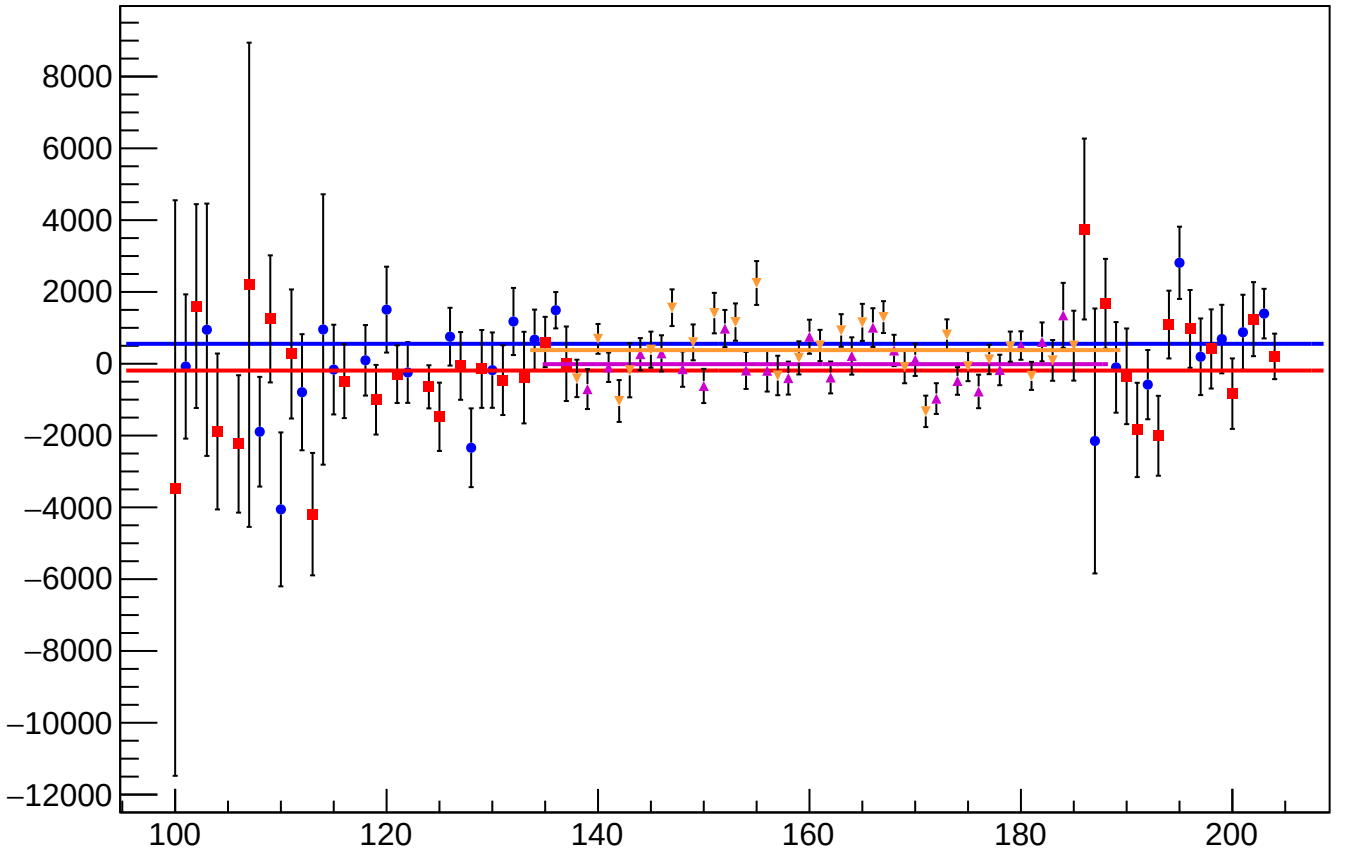
Left: 1812.496+/-0.209 χ^2/NDF: 15160.0/47

Right: 1882.575+/-0.253 χ^2/NDF: 1418959.0/53

In: 1834.671+/-0.232 χ^2/NDF:687958.2/46

Out: 1846.702+/-0.223 χ^2/NDF:790510.1/54

All: 1840.922+/-0.161 χ^2/NDF: 1479864.2/10



Right In: 555.383+/-209.834 χ^2/NDF: 30.4/23

Left Out: 379.343+/-97.014 χ^2/NDF:62.3/24

Right Out: -189.350+/-197.348 χ^2/NDF: 28.3/29

Left In: -11.539+/-98.975 χ^2/NDF:31.1/22

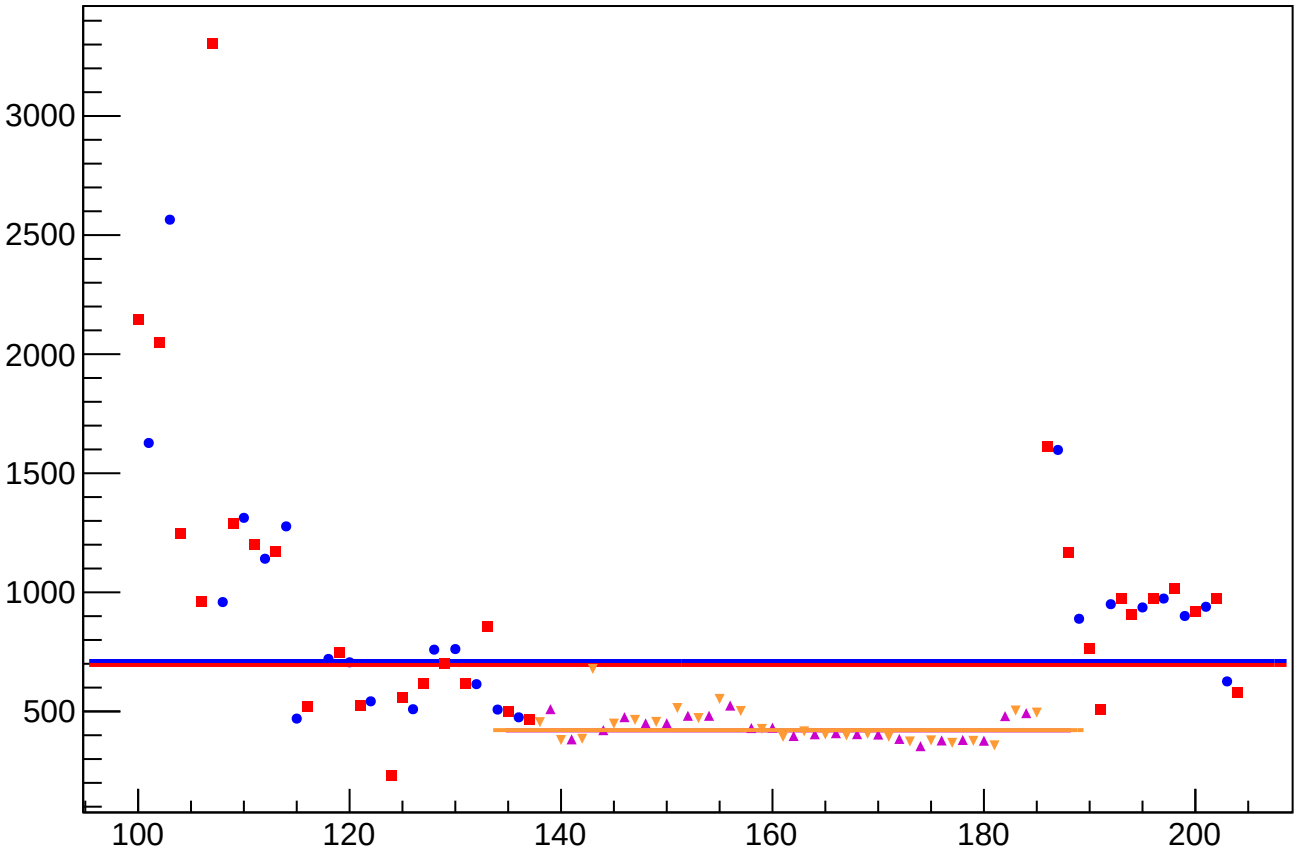
Left: 187.813+/-69.282 χ^2/NDF: 101.4/47

Right: 160.202+/-143.758 χ^2/NDF: 65.4/53

In: 91.637+/-89.517 χ^2/NDF:67.5/46

Out: 268.661+/-87.063 χ^2/NDF:97.3/54

All: 182.609+/-62.412 χ^2/NDF: 166.8/101



Right In: 711.685+/-0.148 χ^2/NDF: 2936267.8/23

Left Out: 421.420+/-0.069 χ^2/NDF:742987.6/24

Right Out: 695.143+/-0.140 χ^2/NDF: 4673169.9/29

Left In: 420.218+/-0.070 χ^2/NDF:413172.4/22

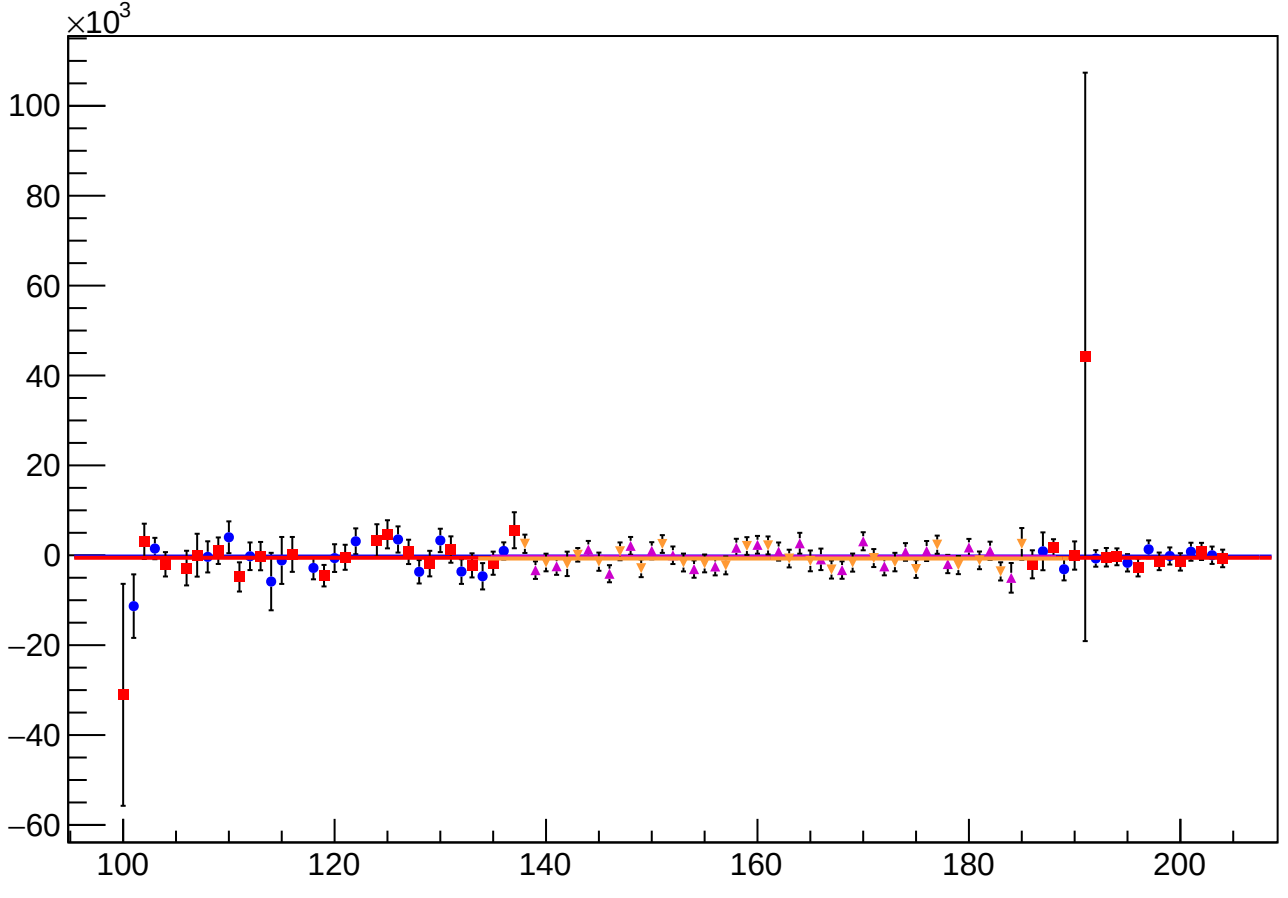
Left: 420.831+/-0.049 χ^2/NDF: 1156310.3/47

Right: 702.907+/-0.102 χ^2/NDF: 7616033.4/53

In: 473.264+/-0.063 χ^2/NDF:6505993.4/46

Out: 474.693+/-0.062 χ^2/NDF:8514894.7/54

All: 473.998+/-0.044 χ^2/NDF: 15021150.3/10



Right In: -280.965+/-521.603 χ^2/NDF: 20.0/23

Left Out: -724.527+/-404.417 χ^2/NDF:22.2/24

Right Out: -554.874+/-487.626 χ^2/NDF: 19.7/29

Left In: -341.223+/-422.858 χ^2/NDF:29.6/22

Left: -541.415+/-292.268 χ^2/NDF: 52.3/47

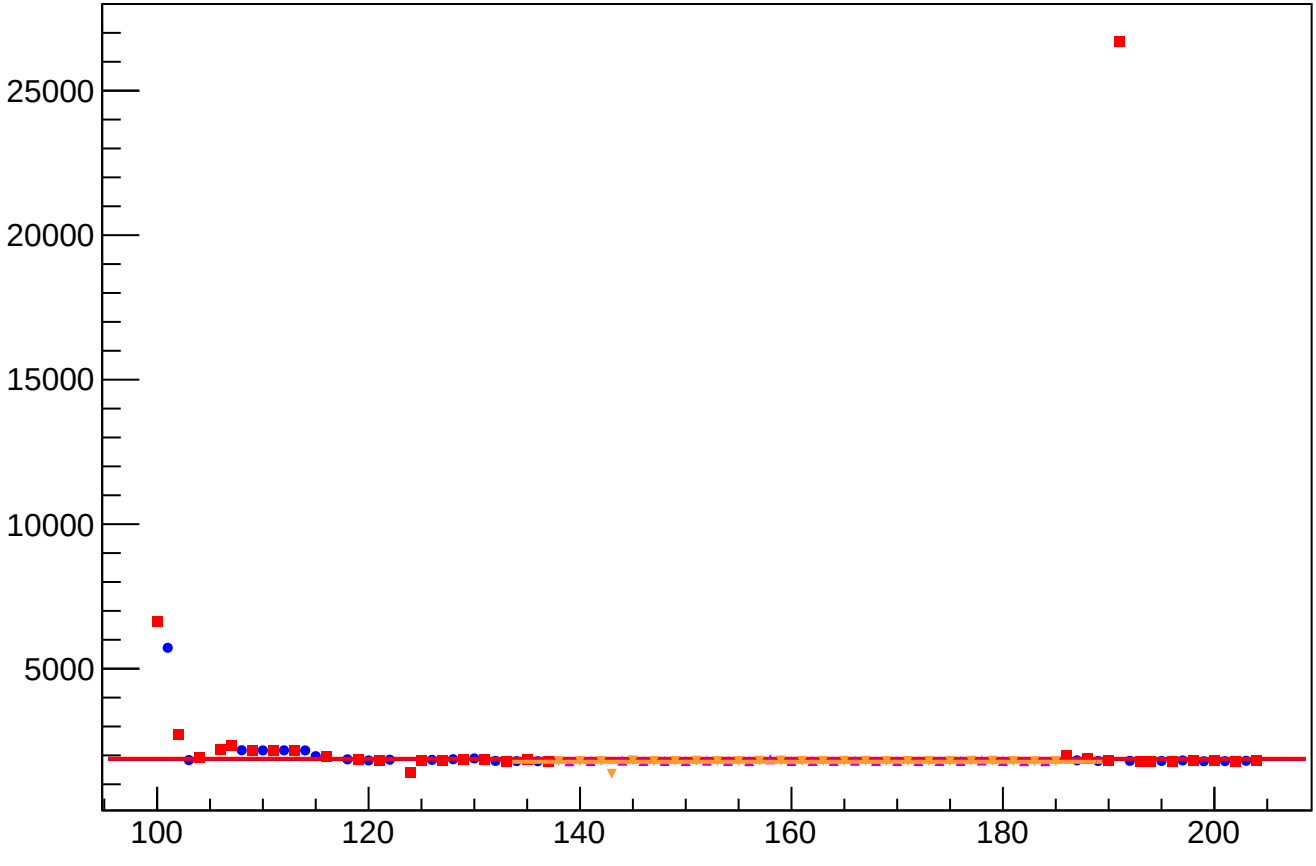
Right: -427.131+/-356.210 χ^2/NDF: 39.9/53

In: -317.326+/-328.477 χ^2/NDF:49.6/46

Out: -655.389+/-311.290 χ^2/NDF:42.0/54

All: -495.433+/-225.947 χ^2/NDF: 92.2/101

dit_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1873.415+/-0.369 χ^2/NDF: 669151.7/23

Left Out: 1776.721+/-0.286 χ^2/NDF:161294.8/24

Right Out: 1882.691+/-0.345 χ^2/NDF: 626198.2/29

Left In: 1811.084+/-0.299 χ^2/NDF:1965.1/22

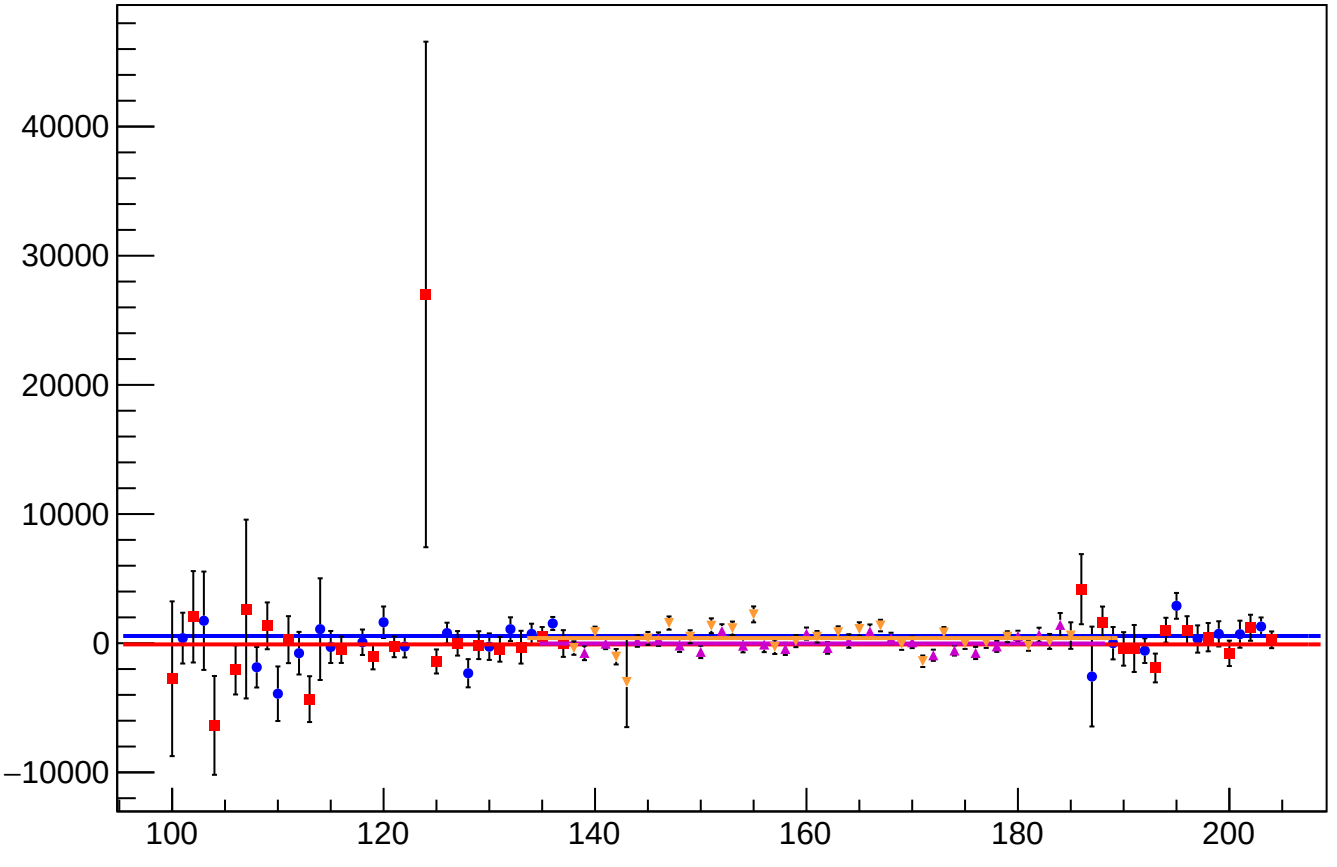
Left: 1793.137+/-0.207 χ^2/NDF: 170157.7/47

Right: 1878.365+/-0.252 χ^2/NDF: 1295687.4/53

In: 1835.803+/-0.232 χ^2/NDF:688350.6/46

Out: 1819.906+/-0.220 χ^2/NDF:843454.3/54

All: 1827.428+/-0.160 χ^2/NDF: 1534272.6/10



Right In: 559.280+/-209.218 χ^2/NDF: 30.7/23

Left Out: 398.269+/-99.165 χ^2/NDF:60.5/24

Right Out: -91.979+/-211.112 χ^2/NDF: 29.1/29

Left In: -21.453+/-100.264 χ^2/NDF:30.8/22

Left: 190.721+/-70.506 χ^2/NDF: 100.2/47

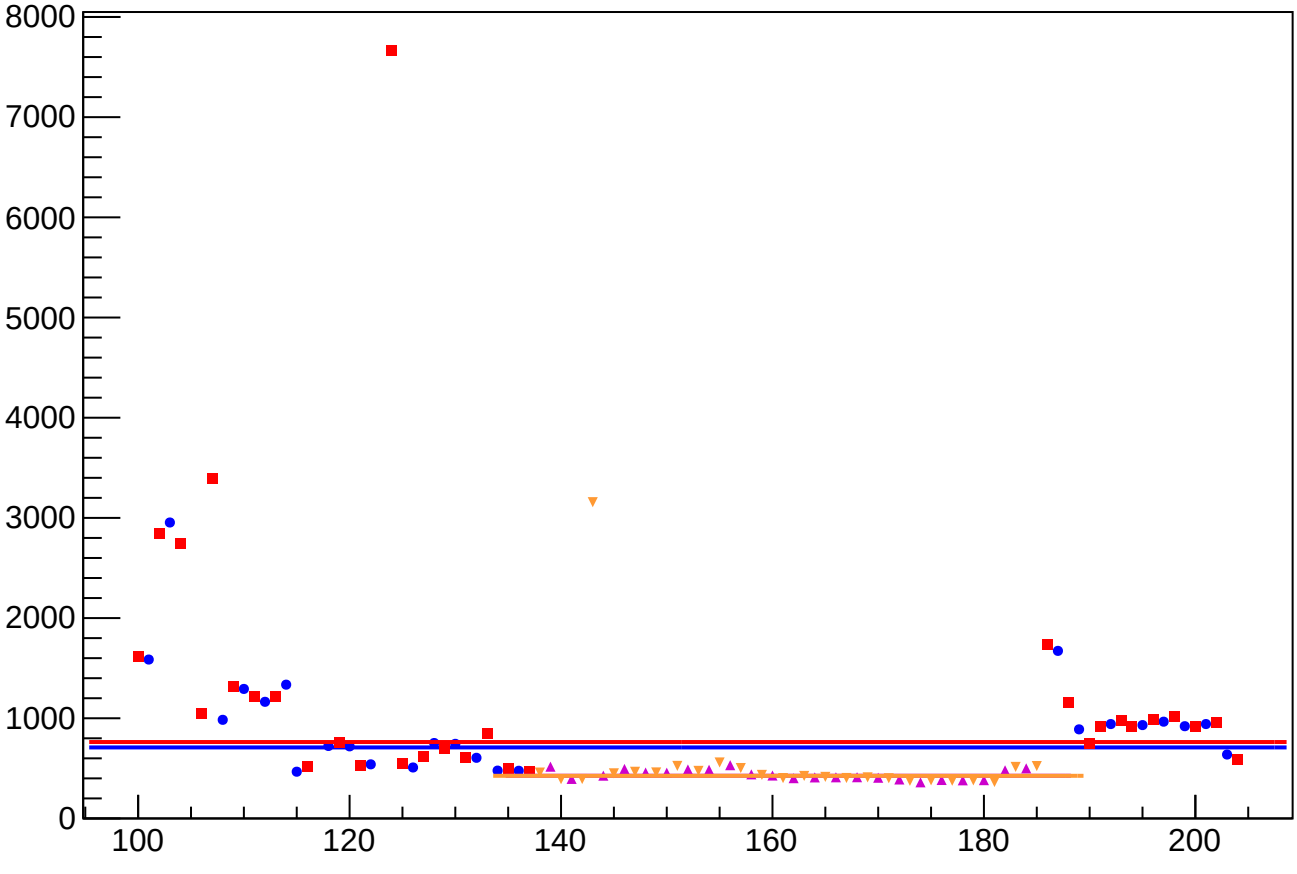
Right: 236.585+/-148.605 χ^2/NDF: 64.6/53

In: 87.010+/-90.417 χ^2/NDF:67.8/46

Out: 309.652+/-89.756 χ^2/NDF:94.0/54

All: 199.148+/-63.700 χ^2/NDF: 164.9/101

asym_at1_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 708.915+/-0.148 χ^2/NDF: 3134655.5/23

Left Out: 425.697+/-0.070 χ^2/NDF:1718145.2/24

Right Out: 762.835+/-0.149 χ^2/NDF: 4315599.9/29

Left In: 426.144+/-0.071 χ^2/NDF:415411.7/22

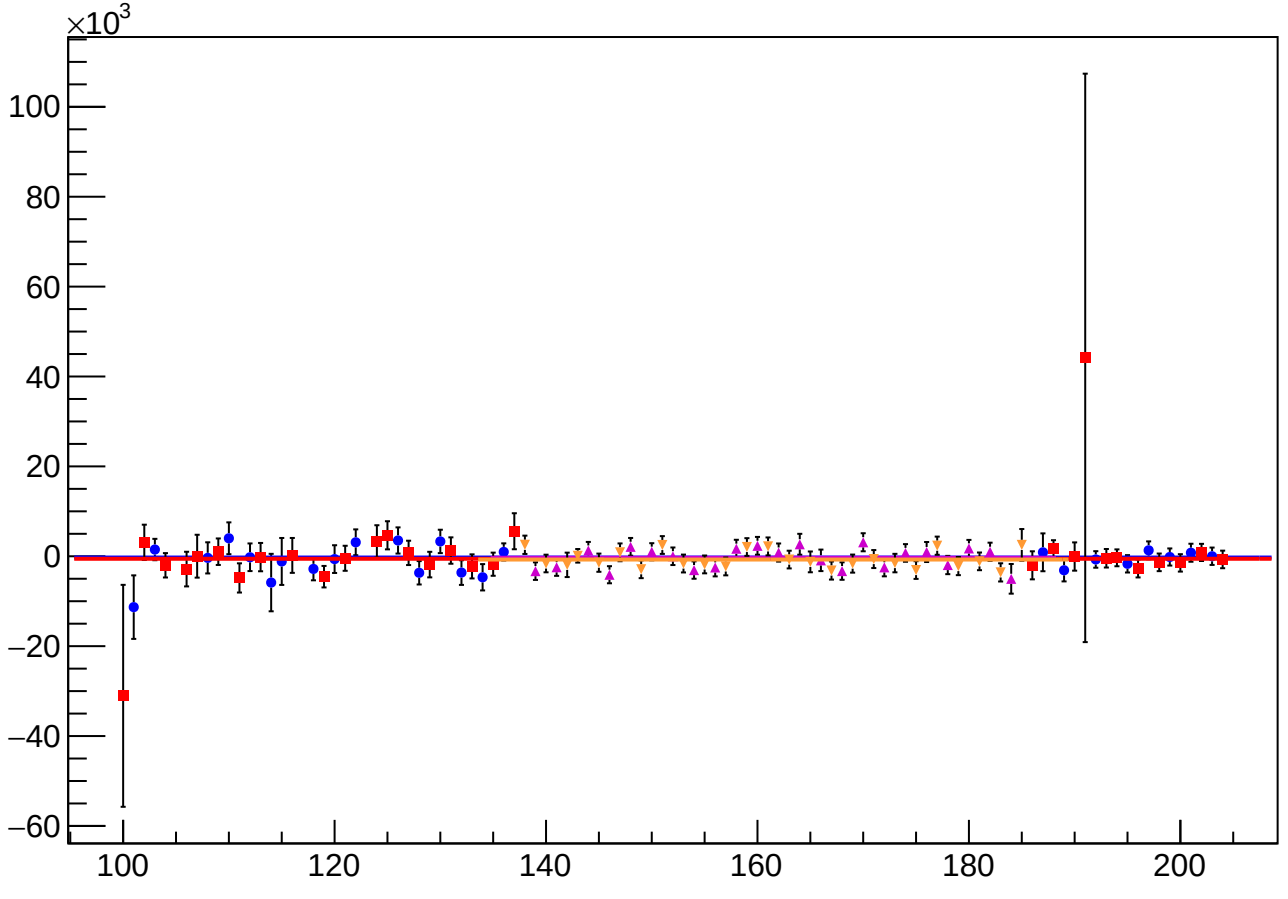
Left: 425.918+/-0.050 χ^2/NDF: 2133577.1/47

Right: 735.632+/-0.105 χ^2/NDF: 7516077.6/53

In: 478.957+/-0.064 χ^2/NDF:6521142.4/46

Out: 486.638+/-0.063 χ^2/NDF:10212356.4/54

All: 482.826+/-0.045 χ^2/NDF: 16740767.0/10



Right In: -280.966+/-521.603 χ^2/NDF: 20.0/23

Left Out: -724.528+/-404.417 χ^2/NDF:22.2/24

Right Out: -554.873+/-487.626 χ^2/NDF: 19.7/29

Left In: -341.223+/-422.858 χ^2/NDF:29.6/22

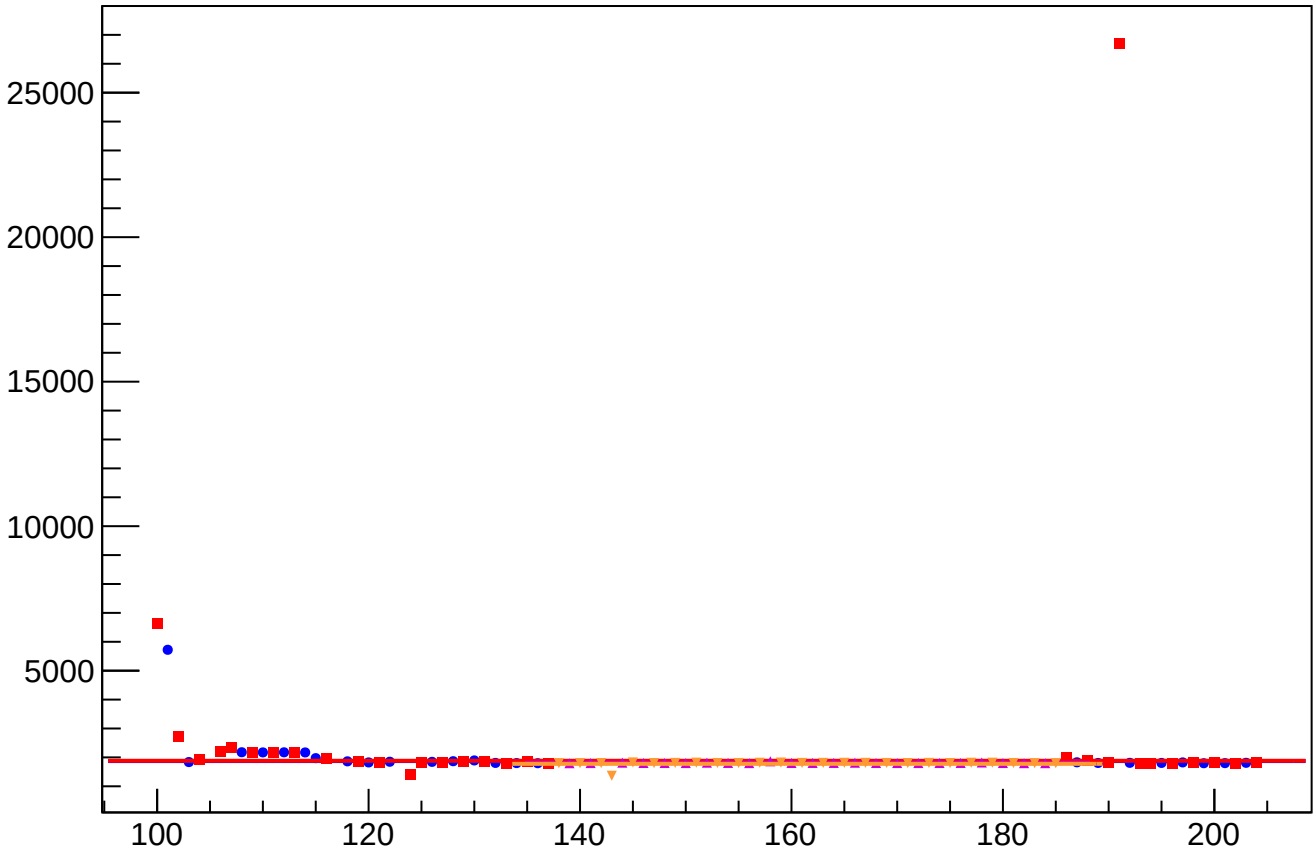
Left: -541.415+/-292.268 χ^2/NDF: 52.3/47

Right: -427.131+/-356.210 χ^2/NDF: 39.9/53

In: -317.326+/-328.477 χ^2/NDF:49.6/46

Out: -655.389+/-311.290 χ^2/NDF:42.0/54

All: -495.433+/-225.947 χ^2/NDF: 92.2/101



Right In: 1873.415+/-0.369 χ^2/NDF: 669151.7/23

Left Out: 1776.721+/-0.286 χ^2/NDF:161294.8/24

Right Out: 1882.691+/-0.345 χ^2/NDF: 626198.0/29

Left In: 1811.084+/-0.299 χ^2/NDF:1965.1/22

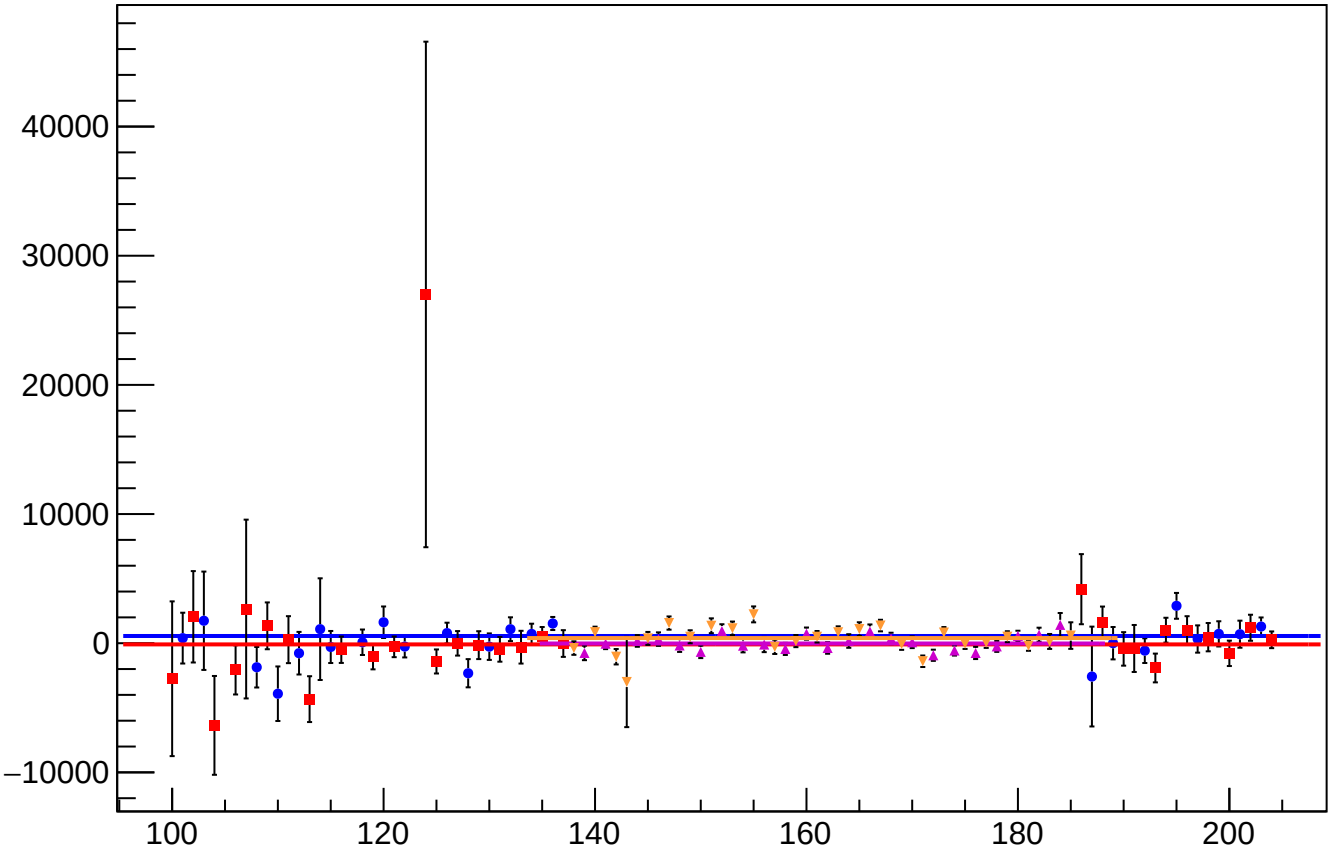
Left: 1793.137+/-0.207 χ^2/NDF: 170157.7/47

Right: 1878.365+/-0.252 χ^2/NDF: 1295687.2/53

In: 1835.803+/-0.232 χ^2/NDF:688350.6/46

Out: 1819.906+/-0.220 χ^2/NDF:843454.1/54

All: 1827.428+/-0.160 χ^2/NDF: 1534272.4/10



Right In: 559.278+/-209.218 χ^2/NDF: 30.7/23

Left Out: 398.268+/-99.165 χ^2/NDF:60.5/24

Right Out: -91.980+/-211.112 χ^2/NDF: 29.1/29

Left In: -21.452+/-100.264 χ^2/NDF:30.8/22

Left: 190.722+/-70.506 χ^2/NDF: 100.2/47

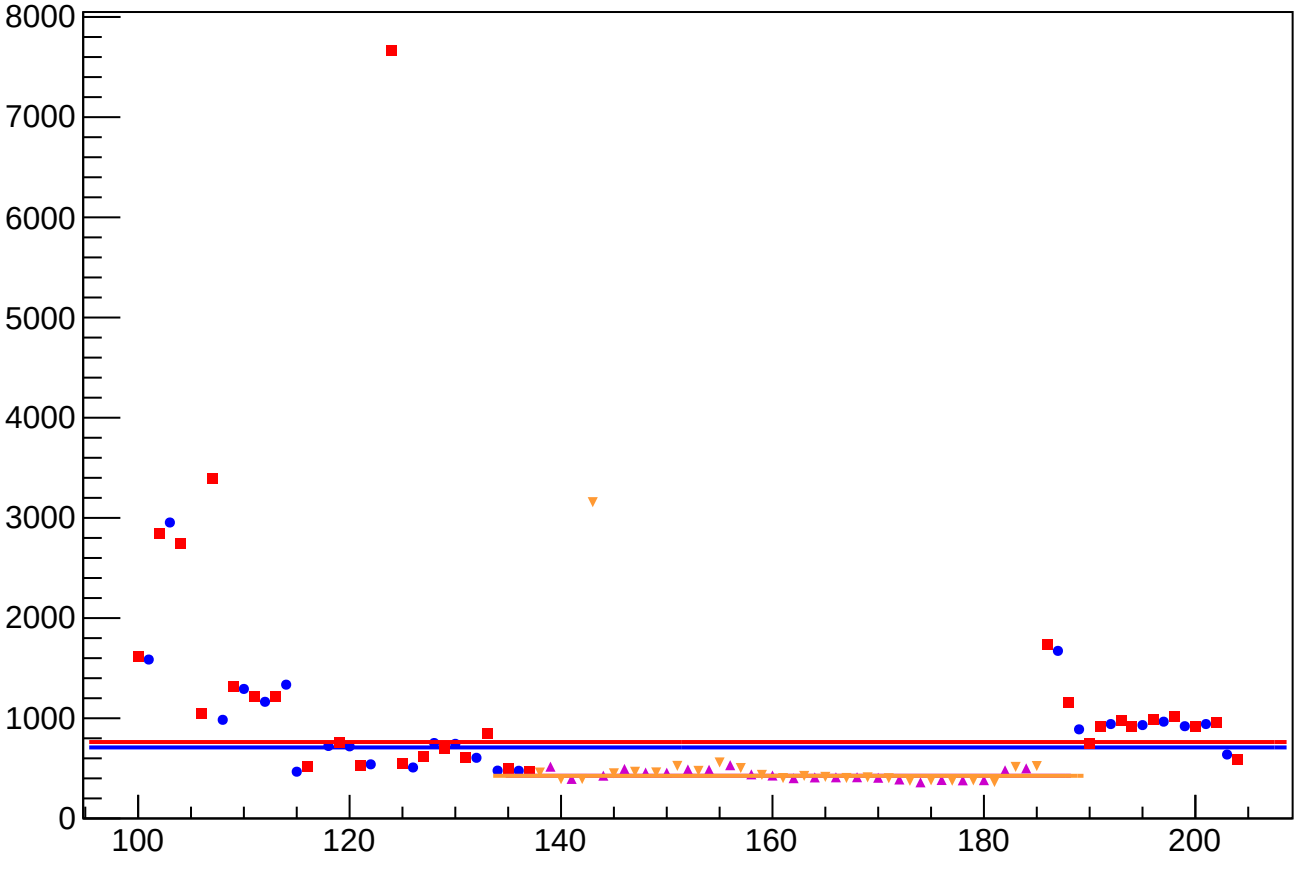
Right: 236.584+/-148.605 χ^2/NDF: 64.6/53

In: 87.011+/-90.417 χ^2/NDF:67.8/46

Out: 309.651+/-89.756 χ^2/NDF:94.0/54

All: 199.148+/-63.700 χ^2/NDF: 164.9/101

asym_at1_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 708.915+/-0.148 χ^2/NDF: 3134656.3/23

Left Out: 425.696+/-0.070 χ^2/NDF:1718147.9/24

Right Out: 762.835+/-0.149 χ^2/NDF: 4315601.7/29

Left In: 426.144+/-0.071 χ^2/NDF:415415.2/22

Left: 425.918+/-0.050 χ^2/NDF: 2133583.2/47

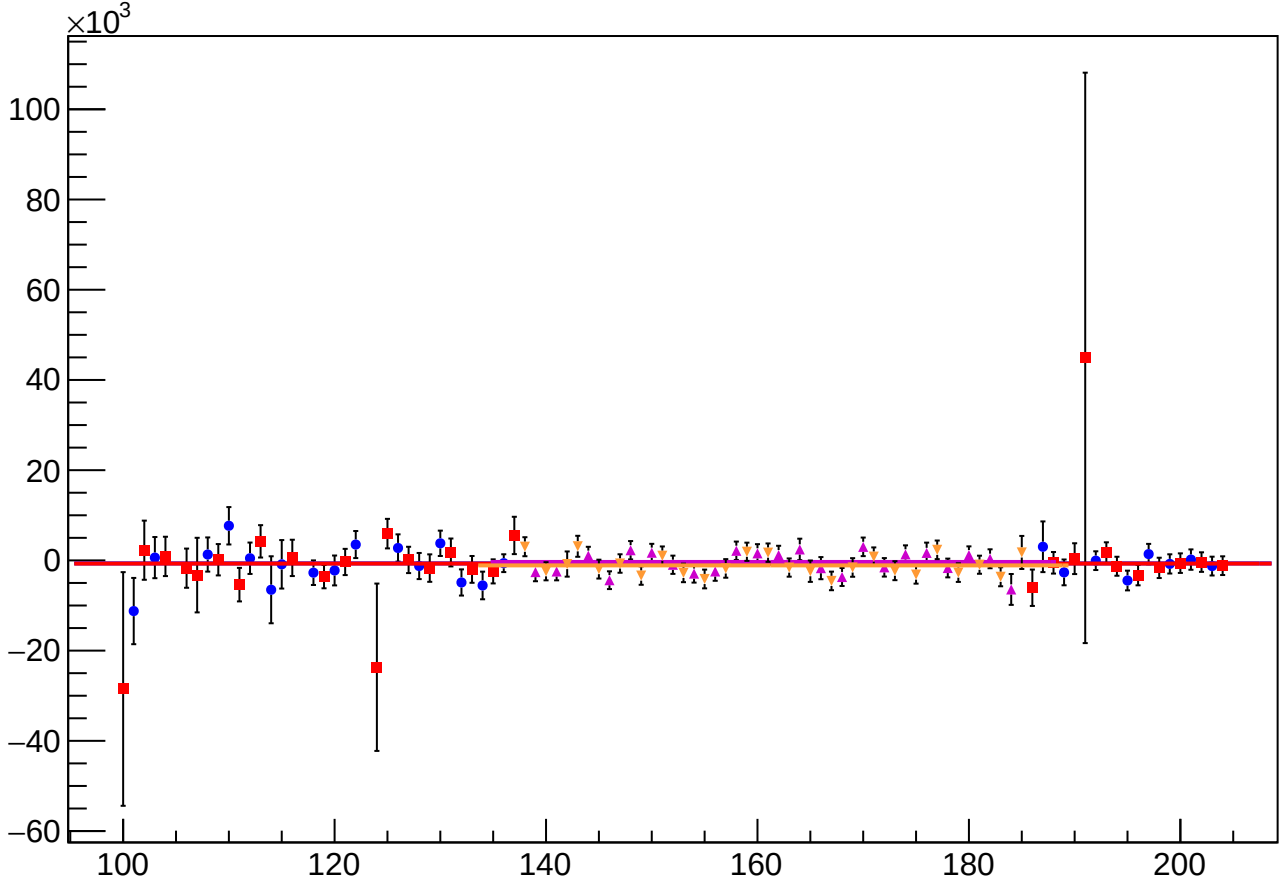
Right: 735.632+/-0.105 χ^2/NDF: 7516080.3/53

In: 478.957+/-0.064 χ^2/NDF:6521150.4/46

Out: 486.637+/-0.063 χ^2/NDF:10212368.8/54

All: 482.825+/-0.045 χ^2/NDF: 16740787.3/10

asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -665.513+/-583.075 χ^2/NDF: 23.5/23

Left Out: -1105.791+/-424.648 χ^2/NDF:28.0/24

Right Out: -704.788+/-556.843 χ^2/NDF: 20.9/29

Left In: -346.936+/-434.947 χ^2/NDF:28.8/22

Left: -735.454+/-303.847 χ^2/NDF: 58.3/47

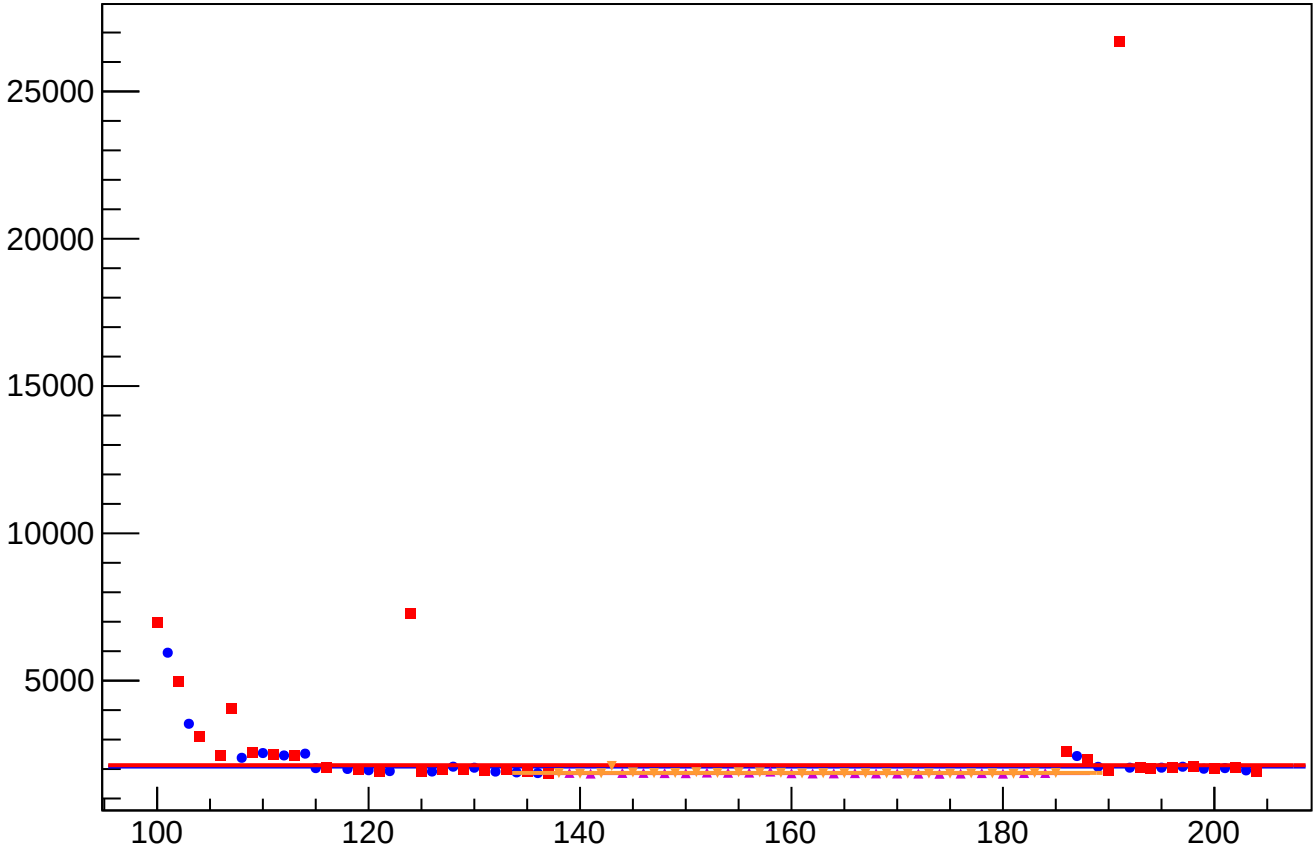
Right: -686.054+/-402.702 χ^2/NDF: 44.4/53

In: -460.831+/-348.633 χ^2/NDF:52.5/46

Out: -958.338+/-337.665 χ^2/NDF:49.2/54

All: -717.533+/-242.550 χ^2/NDF: 102.7/101

asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 2084.254+/-0.412 χ^2/NDF: 901240.5/23

Left Out: 1868.941+/-0.300 χ^2/NDF:23314.7/24

Right Out: 2130.093+/-0.394 χ^2/NDF: 1339364.1/29

Left In: 1862.828+/-0.308 χ^2/NDF:2714.5/22

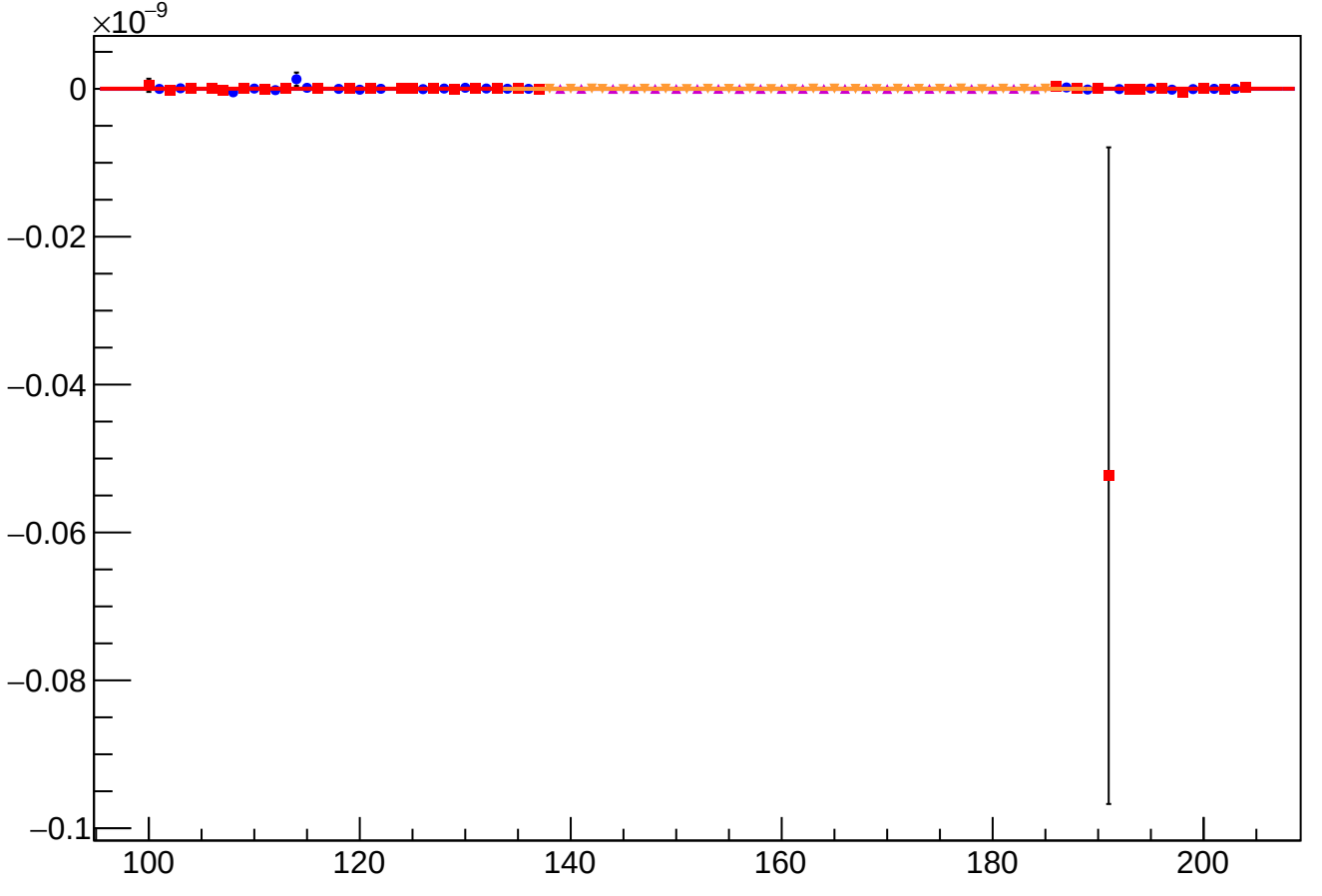
Left: 1865.958+/-0.215 χ^2/NDF: 26231.5/47

Right: 2108.228+/-0.285 χ^2/NDF: 2247069.6/53

In: 1941.990+/-0.247 χ^2/NDF:1089266.5/46

Out: 1964.970+/-0.239 χ^2/NDF:1640822.7/54

All: 1953.847+/-0.172 χ^2/NDF: 2734572.6/10



Right In: -0.000+/-0.000 χ^2/NDF: 22.2/23

Left Out: 0.000+/-0.000 χ^2/NDF:42.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 32.0/29

Left In: -0.000+/-0.000 χ^2/NDF:17.3/22

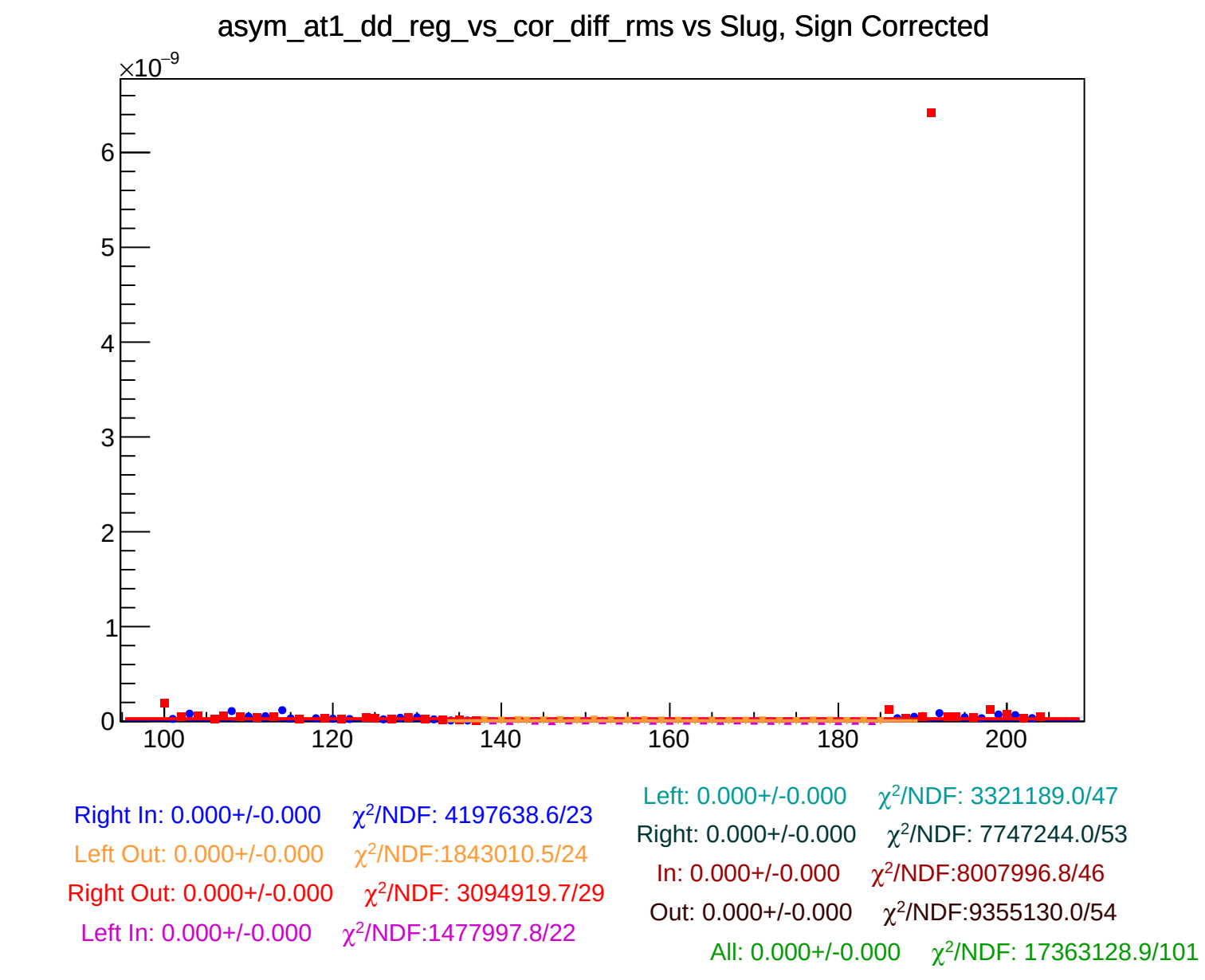
Left: -0.000+/-0.000 χ^2/NDF: 61.0/47

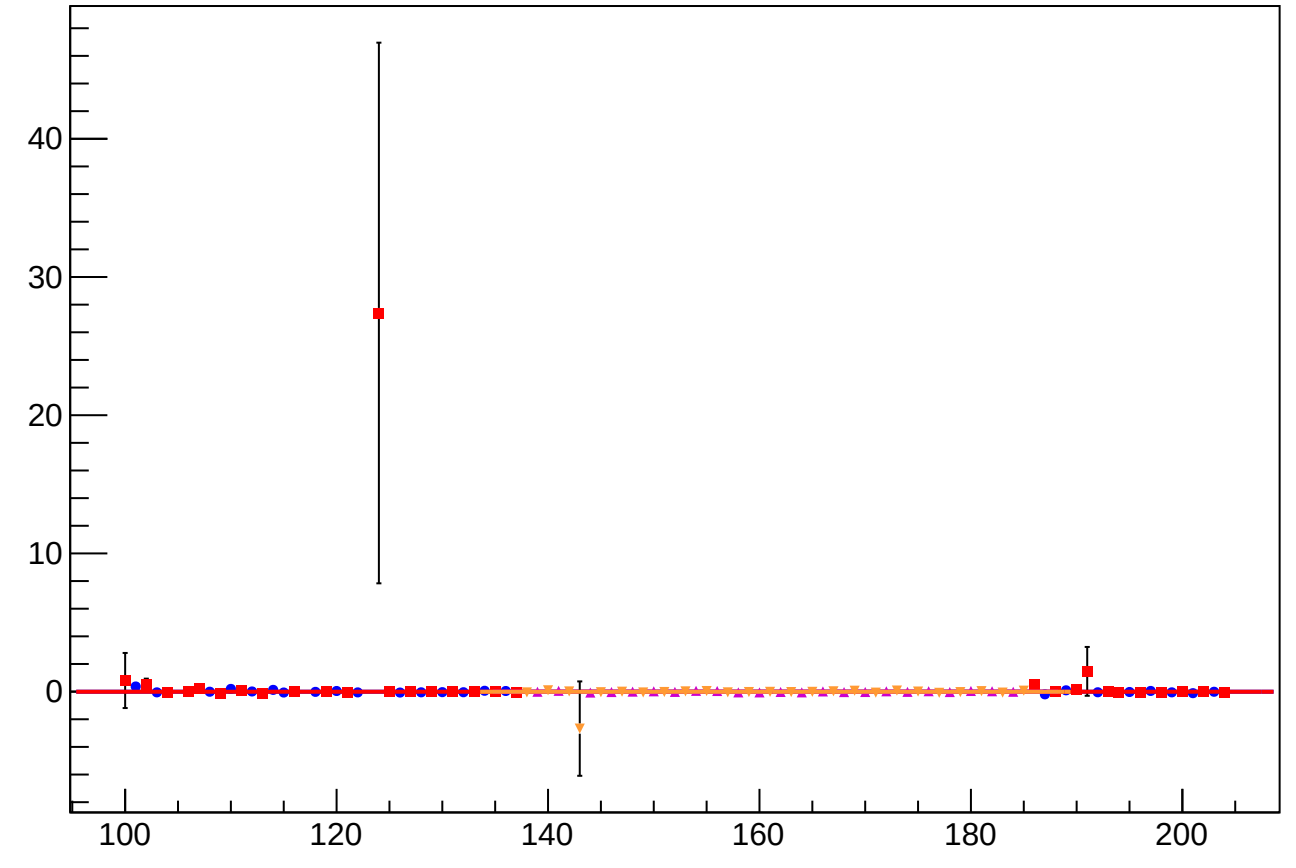
Right: 0.000+/-0.000 χ^2/NDF: 55.8/53

In: -0.000+/-0.000 χ^2/NDF:39.7/46

Out: 0.000+/-0.000 χ^2/NDF:76.1/54

All: -0.000+/-0.000 χ^2/NDF: 117.9/101


asym_at1_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
6
5
4
3
2
1
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 4197638.6/23
Left Out: 0.000+/-0.000 χ²/NDF:1843010.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 3094919.7/29
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: 7747244.0/53
In: 0.000+/-0.000 χ²/NDF:8007996.8/46
Out: 0.000+/-0.000 χ²/NDF:9355130.0/54
All: 0.000+/-0.000 χ²/NDF: 17363128.9/101



Right In: -0.007+/-0.012 χ^2/NDF: 27.7/23

Left Out: -0.010+/-0.008 χ^2/NDF:39.5/24

Right Out: -0.008+/-0.012 χ^2/NDF: 25.9/29

Left In: -0.004+/-0.008 χ^2/NDF:20.8/22

Left: -0.007+/-0.006 χ^2/NDF: 60.7/47

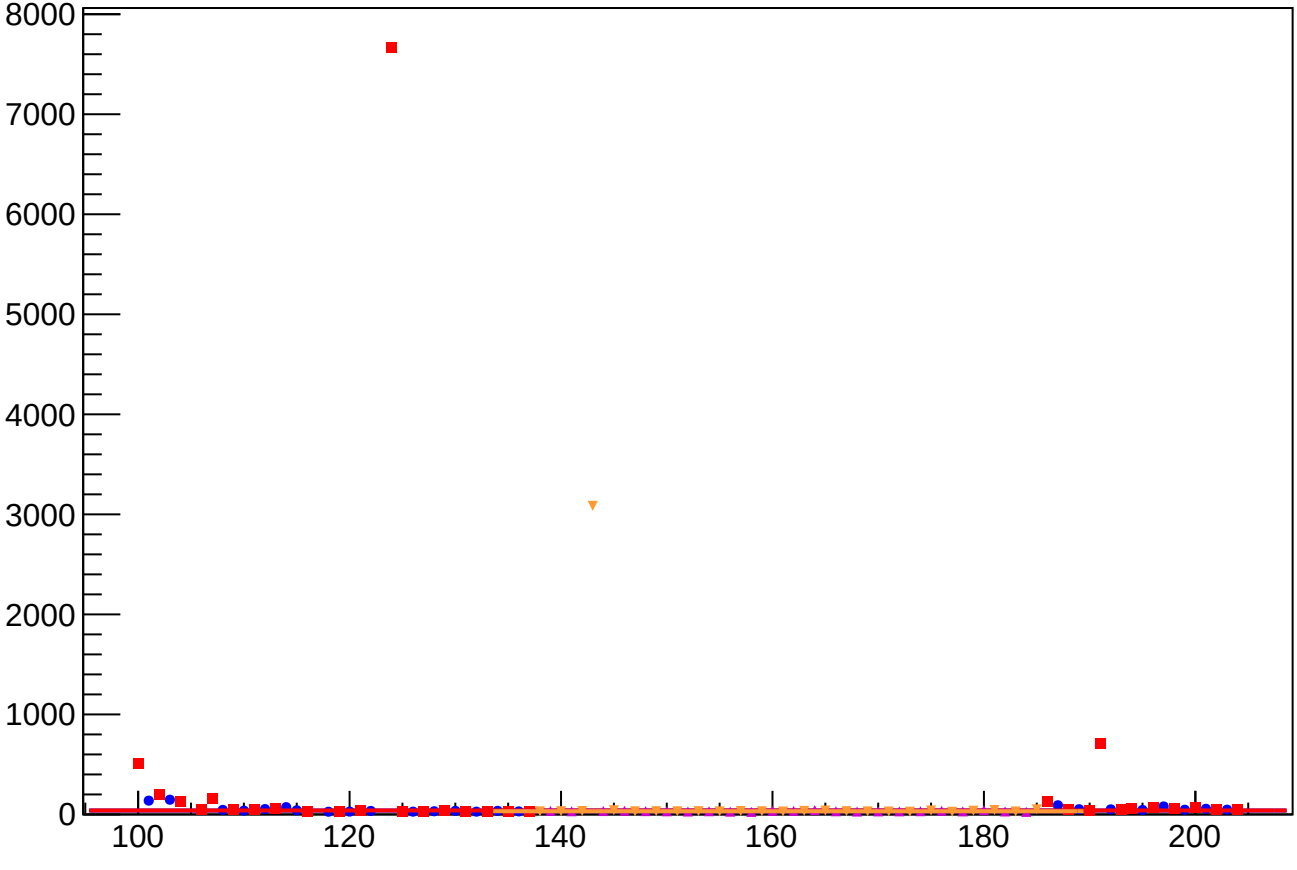
Right: -0.008+/-0.009 χ^2/NDF: 53.7/53

In: -0.005+/-0.007 χ^2/NDF:48.7/46

Out: -0.009+/-0.007 χ^2/NDF:65.5/54

All: -0.007+/-0.005 χ^2/NDF: 114.4/101

asym_at1_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 39.057+/-0.009 χ^2/NDF: 2843211.0/23

Left Out: 32.277+/-0.006 χ^2/NDF:2120929.6/24

Right Out: 39.911+/-0.009 χ^2/NDF: 4247648.2/29

Left In: 32.421+/-0.006 χ^2/NDF:426084.8/22

Left: 32.349+/-0.004 χ^2/NDF: 2547318.7/47

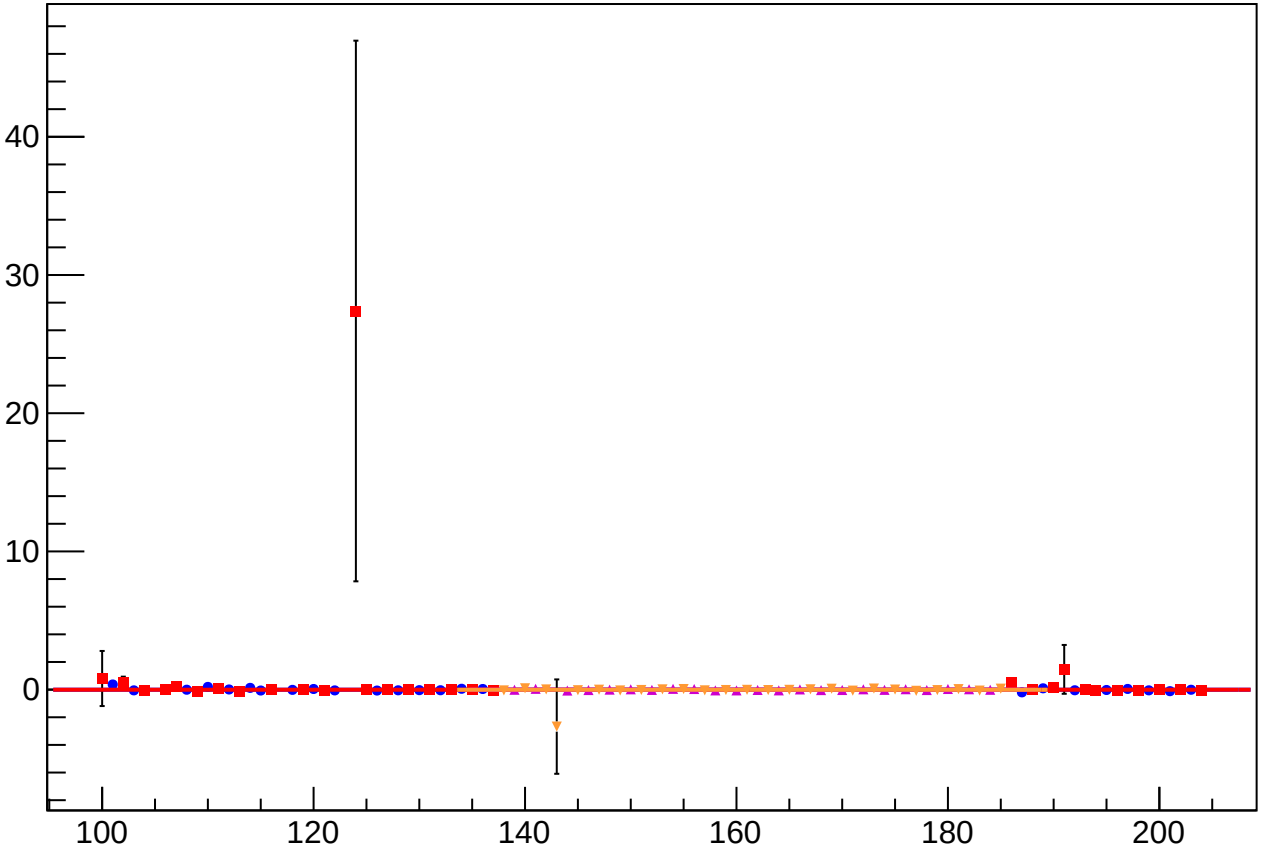
Right: 39.492+/-0.006 χ^2/NDF: 7095632.2/53

In: 34.452+/-0.005 χ^2/NDF:3661595.0/46

Out: 34.657+/-0.005 χ^2/NDF:6904710.2/54

All: 34.555+/-0.003 χ^2/NDF: 10567199.3/101

asym_at1_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.007+/-0.012 χ^2/NDF: 27.7/23

Left Out: -0.010+/-0.008 χ^2/NDF:39.5/24

Right Out: -0.008+/-0.012 χ^2/NDF: 25.9/29

Left In: -0.004+/-0.008 χ^2/NDF:20.8/22

Left: -0.007+/-0.006 χ^2/NDF: 60.7/47

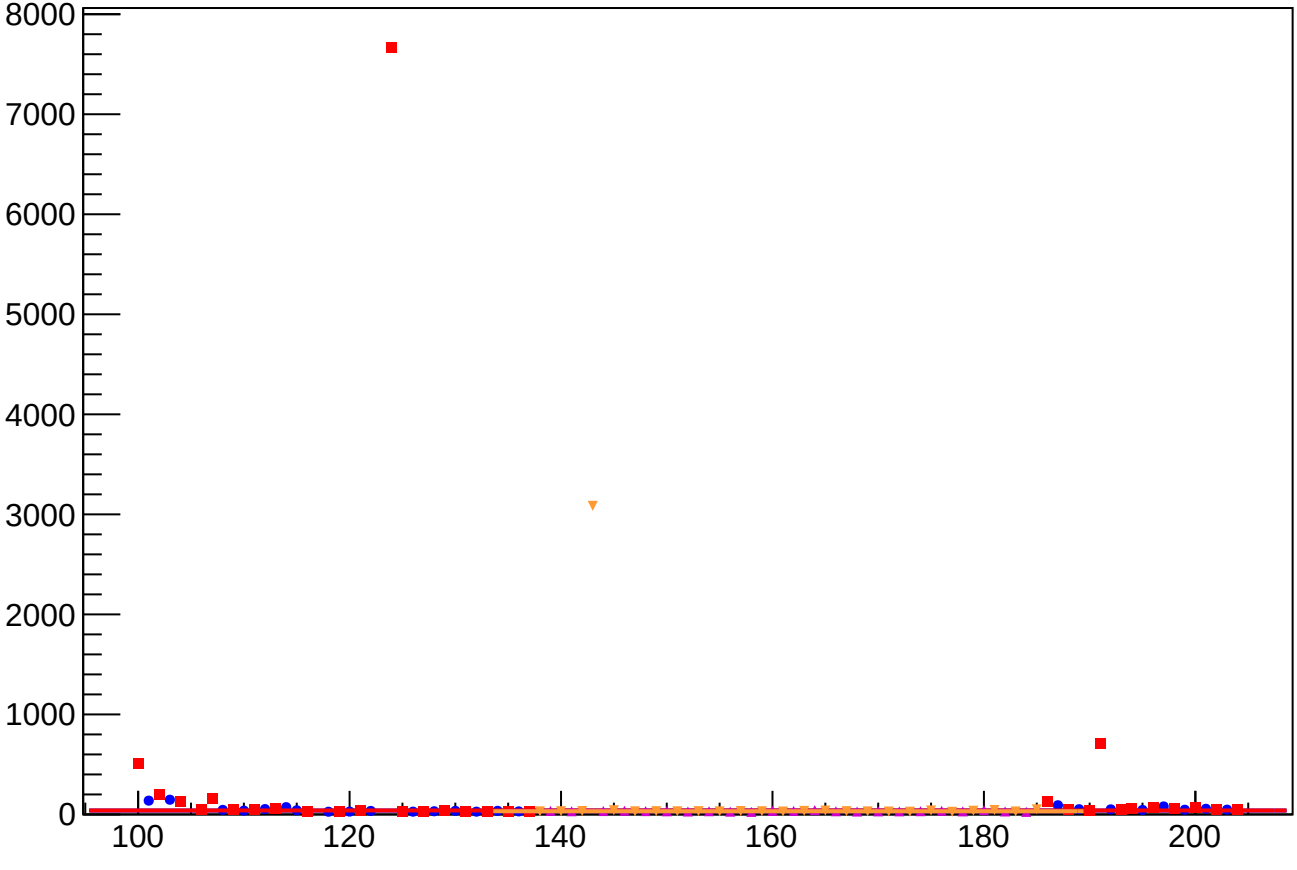
Right: -0.008+/-0.009 χ^2/NDF: 53.7/53

In: -0.005+/-0.007 χ^2/NDF:48.7/46

Out: -0.009+/-0.007 χ^2/NDF:65.5/54

All: -0.007+/-0.005 χ^2/NDF: 114.4/101

asym_at1_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 39.057+/-0.009 χ^2/NDF: 2843211.0/23

Left Out: 32.277+/-0.006 χ^2/NDF:2120929.6/24

Right Out: 39.911+/-0.009 χ^2/NDF: 4247648.2/29

Left In: 32.421+/-0.006 χ^2/NDF:426084.8/22

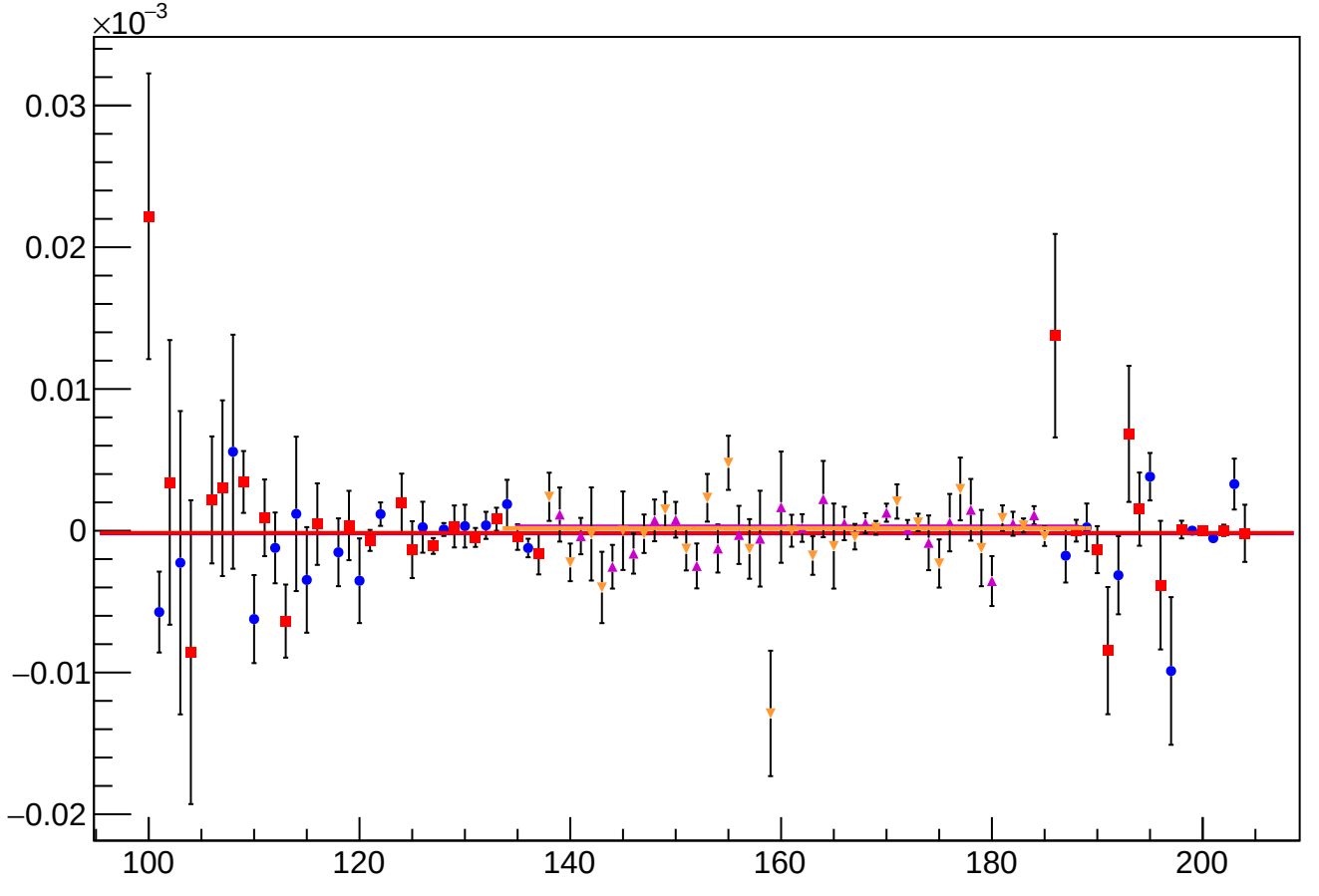
Left: 32.349+/-0.004 χ^2/NDF: 2547318.7/47

Right: 39.492+/-0.006 χ^2/NDF: 7095632.2/53

In: 34.452+/-0.005 χ^2/NDF:3661595.0/46

Out: 34.657+/-0.005 χ^2/NDF:6904710.2/54

All: 34.555+/-0.003 χ^2/NDF: 10567199.3/101



Right In: -0.000+/-0.000 χ^2/NDF: 34.8/23

Left Out: 0.000+/-0.000 χ^2/NDF:37.5/24

Right Out: -0.000+/-0.000 χ^2/NDF: 33.9/29

Left In: 0.000+/-0.000 χ^2/NDF:20.2/22

Left: 0.000+/-0.000 χ^2/NDF: 57.9/47

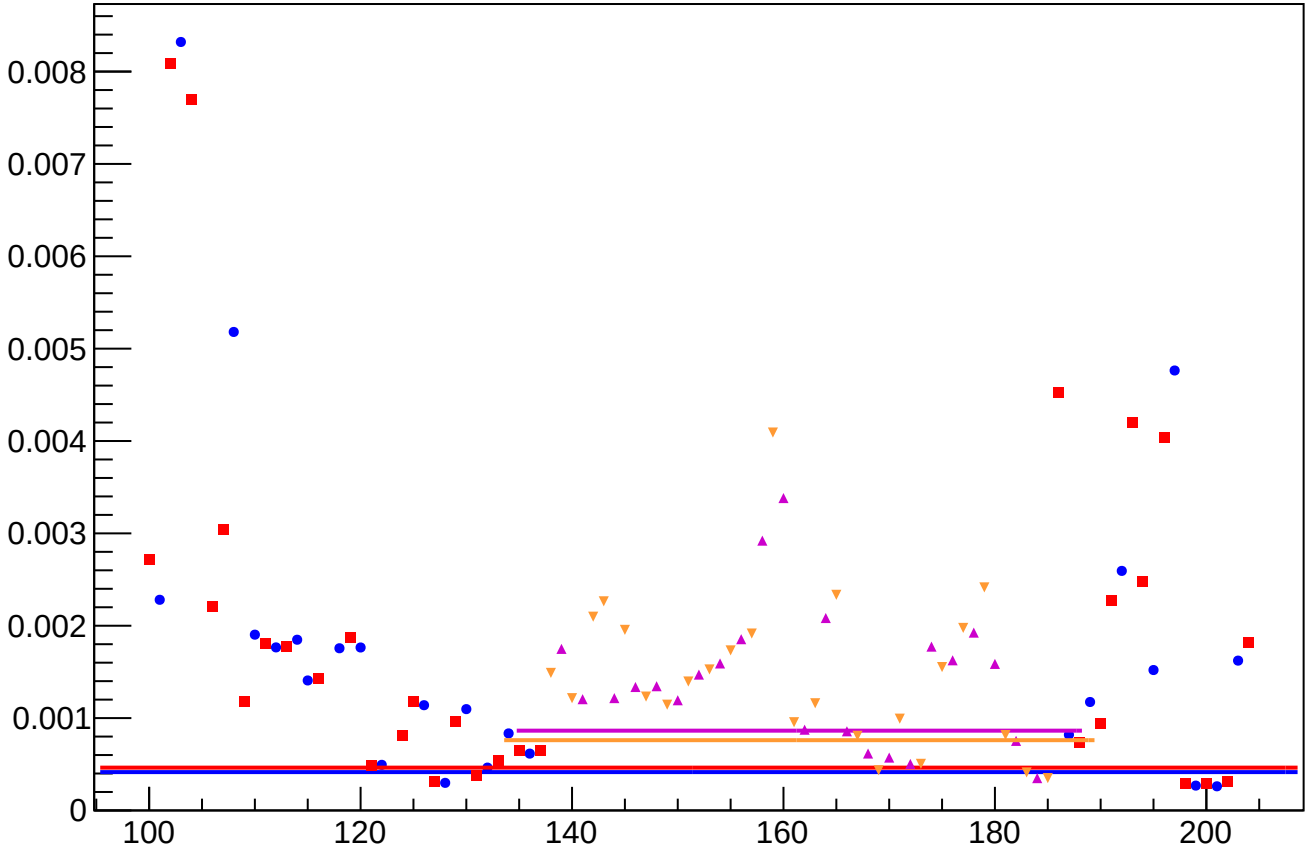
Right: -0.000+/-0.000 χ^2/NDF: 68.8/53

In: -0.000+/-0.000 χ^2/NDF:57.8/46

Out: -0.000+/-0.000 χ^2/NDF:73.0/54

All: -0.000+/-0.000 χ^2/NDF: 130.9/101

asym_at1_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 12162389.6/23

Left Out: 0.001+/-0.000 χ^2/NDF:11085699.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 12838158.5/29

Left In: 0.001+/-0.000 χ^2/NDF:8440059.8/22

Left: 0.001+/-0.000 χ^2/NDF: 19733433.3/47

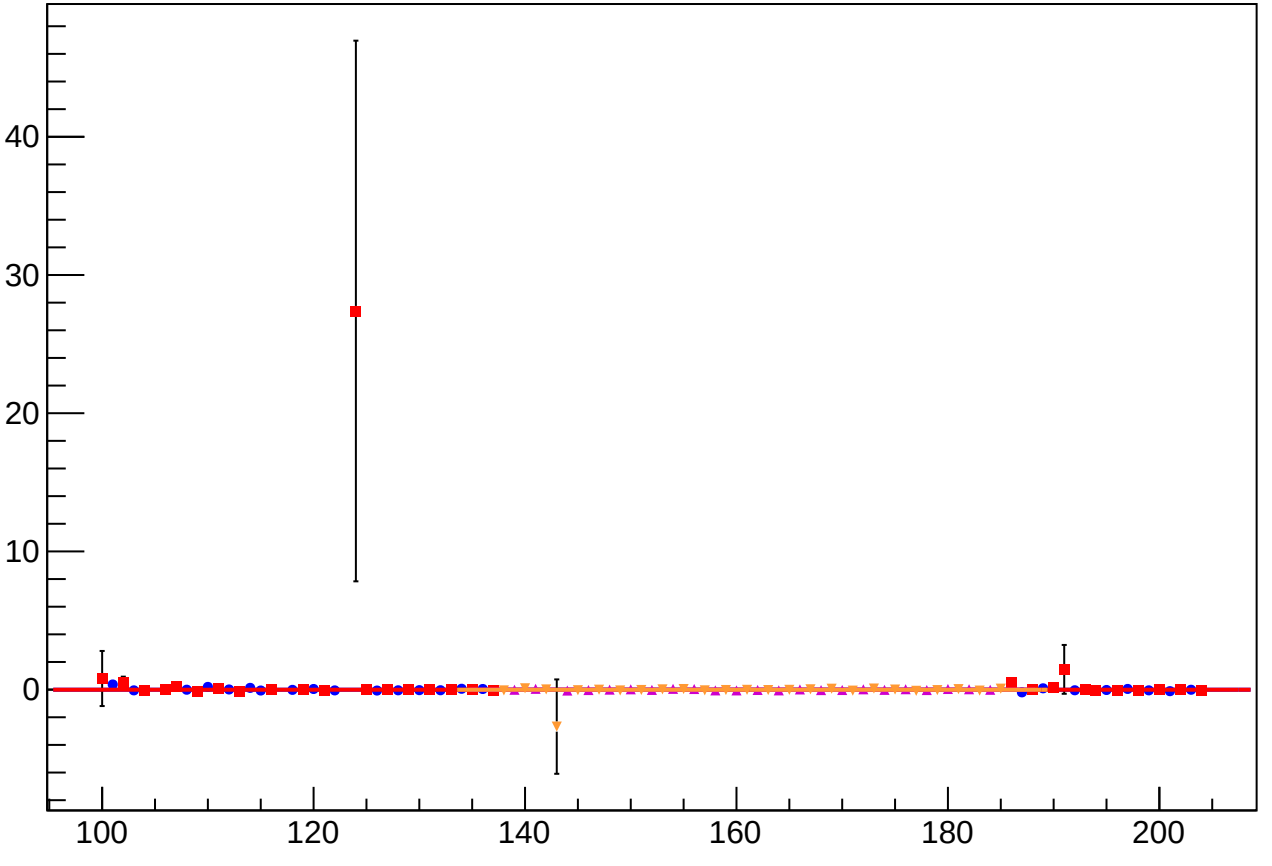
Right: 0.000+/-0.000 χ^2/NDF: 25084083.3/53

In: 0.001+/-0.000 χ^2/NDF:25377508.4/46

Out: 0.001+/-0.000 χ^2/NDF:26305572.0/54

All: 0.001+/-0.000 χ^2/NDF: 51708242.8/101

asym_at1_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.007+/-0.012 χ^2/NDF: 27.7/23

Left Out: -0.010+/-0.008 χ^2/NDF:39.5/24

Right Out: -0.008+/-0.012 χ^2/NDF: 25.9/29

Left In: -0.004+/-0.008 χ^2/NDF:20.8/22

Left: -0.007+/-0.006 χ^2/NDF: 60.7/47

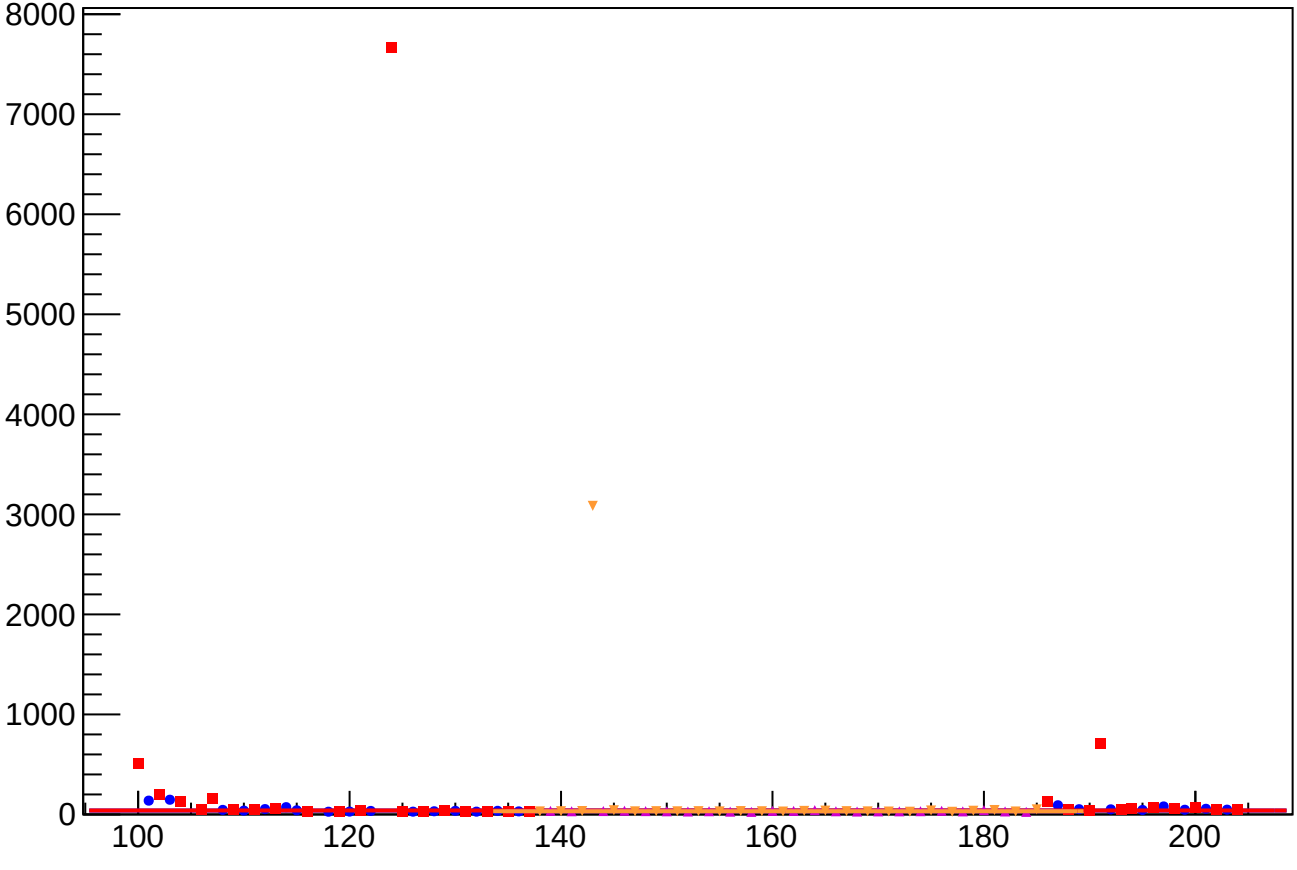
Right: -0.008+/-0.009 χ^2/NDF: 53.7/53

In: -0.005+/-0.007 χ^2/NDF:48.7/46

Out: -0.009+/-0.007 χ^2/NDF:65.5/54

All: -0.007+/-0.005 χ^2/NDF: 114.4/101

asym_at1_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 39.057+/-0.009 χ^2/NDF: 2843191.0/23

Left Out: 32.277+/-0.006 χ^2/NDF:2120971.9/24

Right Out: 39.911+/-0.009 χ^2/NDF: 4247645.4/29

Left In: 32.422+/-0.006 χ^2/NDF:426001.5/22

Left: 32.349+/-0.004 χ^2/NDF: 2547279.1/47

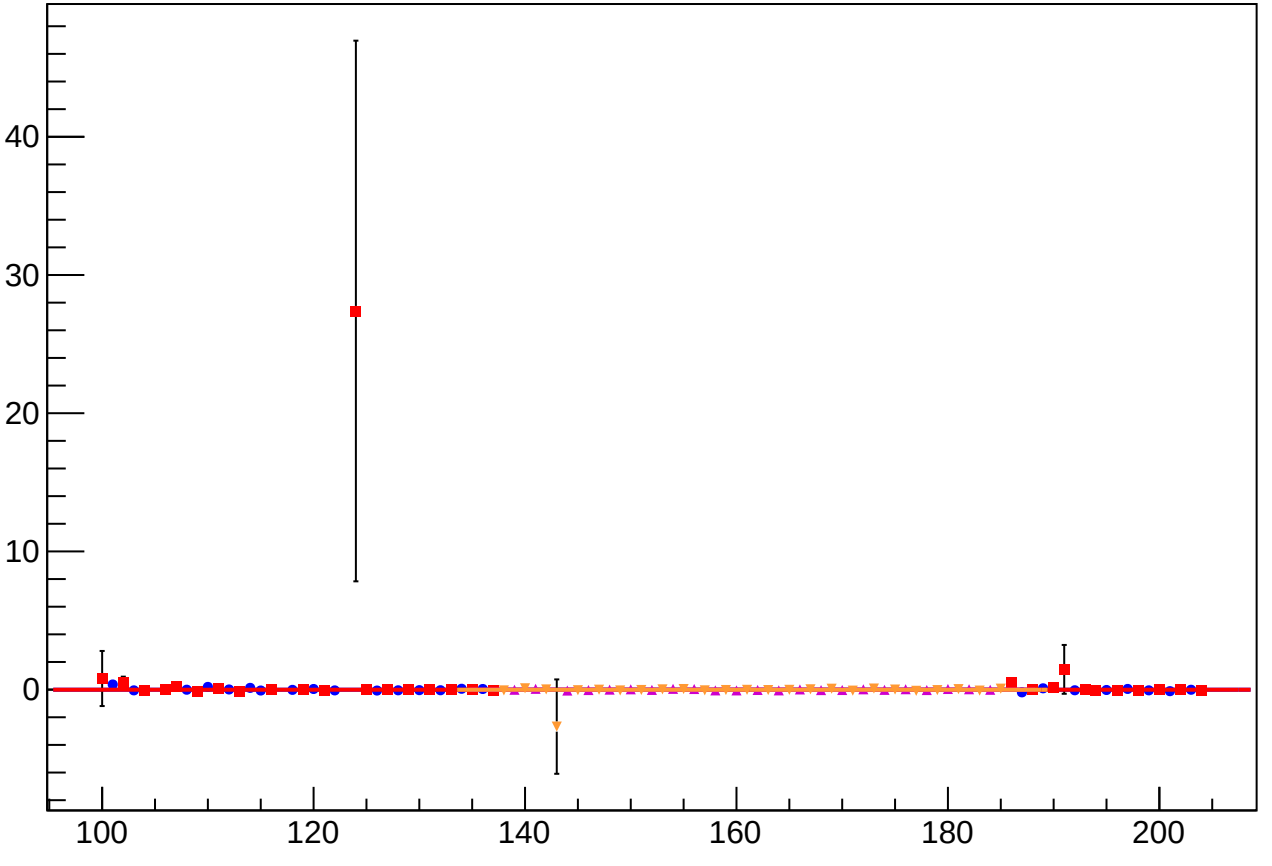
Right: 39.492+/-0.006 χ^2/NDF: 7095609.0/53

In: 34.452+/-0.005 χ^2/NDF:3661457.4/46

Out: 34.657+/-0.005 χ^2/NDF:6904749.6/54

All: 34.555+/-0.003 χ^2/NDF: 10567099.0/101

asym_at1_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.007+/-0.012 χ^2/NDF: 27.7/23

Left Out: -0.010+/-0.008 χ^2/NDF:39.5/24

Right Out: -0.008+/-0.012 χ^2/NDF: 25.9/29

Left In: -0.004+/-0.008 χ^2/NDF:20.8/22

Left: -0.007+/-0.006 χ^2/NDF: 60.7/47

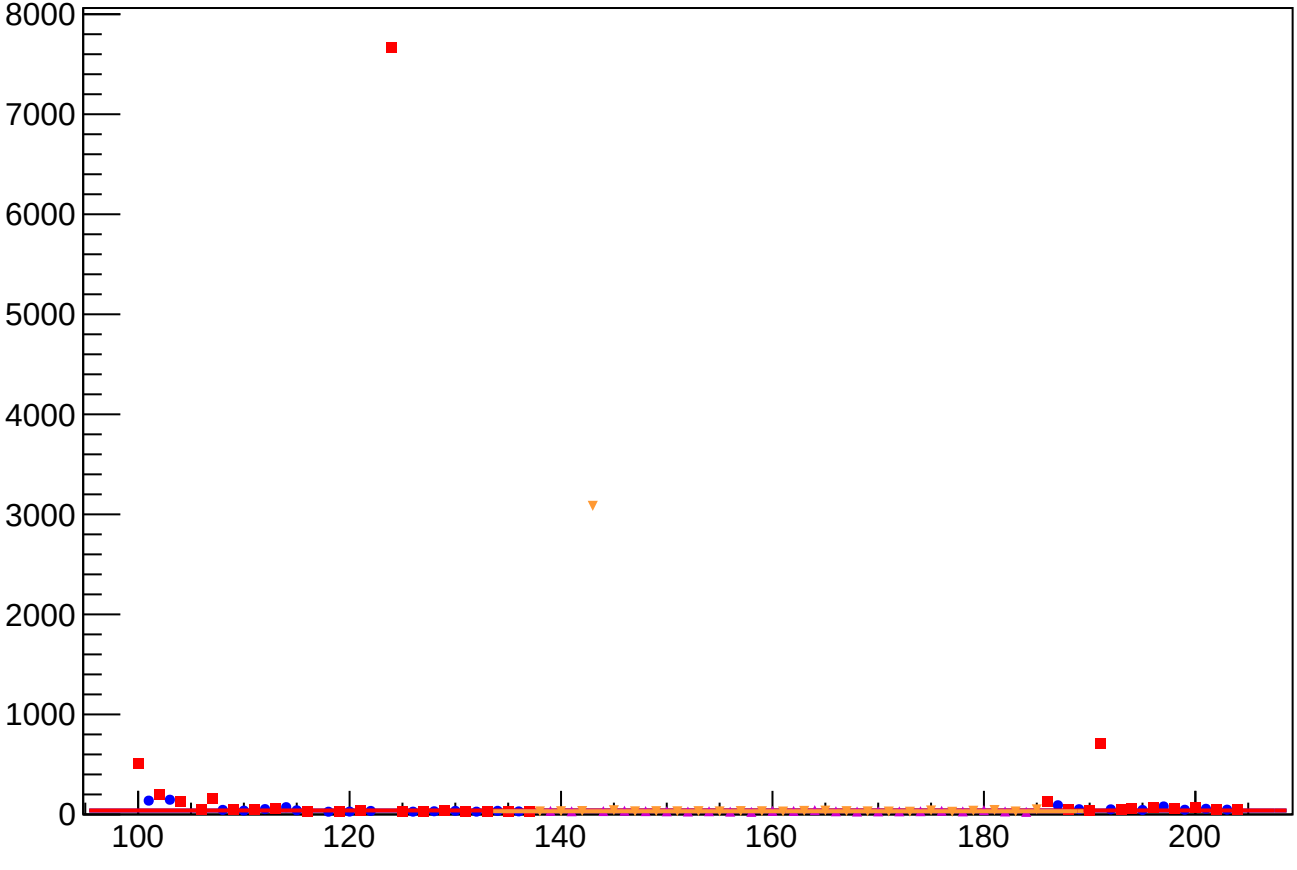
Right: -0.008+/-0.009 χ^2/NDF: 53.7/53

In: -0.005+/-0.007 χ^2/NDF:48.7/46

Out: -0.009+/-0.007 χ^2/NDF:65.5/54

All: -0.007+/-0.005 χ^2/NDF: 114.4/101

asym_at1_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 39.057+/-0.009 χ^2/NDF: 2843191.0/23

Left Out: 32.277+/-0.006 χ^2/NDF:2120971.9/24

Right Out: 39.911+/-0.009 χ^2/NDF: 4247645.4/29

Left In: 32.422+/-0.006 χ^2/NDF:426001.5/22

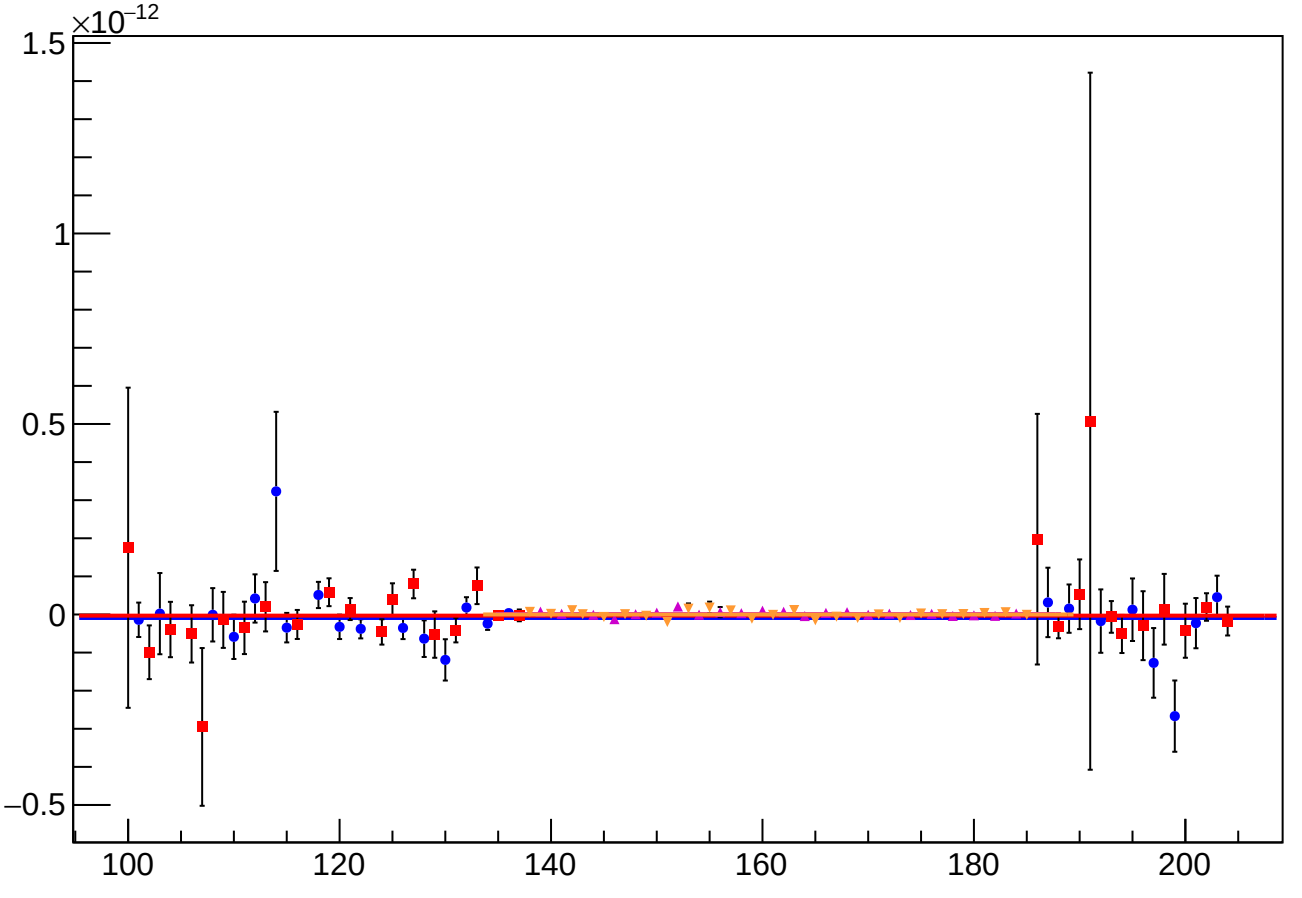
Left: 32.349+/-0.004 χ^2/NDF: 2547279.1/47

Right: 39.492+/-0.006 χ^2/NDF: 7095609.0/53

In: 34.452+/-0.005 χ^2/NDF:3661457.4/46

Out: 34.657+/-0.005 χ^2/NDF:6904749.6/54

All: 34.555+/-0.003 χ^2/NDF: 10567099.0/101



Right In: -0.000+/-0.000 χ^2/NDF: 29.9/23

Left Out: 0.000+/-0.000 χ^2/NDF:21.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 24.8/29

Left In: 0.000+/-0.000 χ^2/NDF:9.2/22

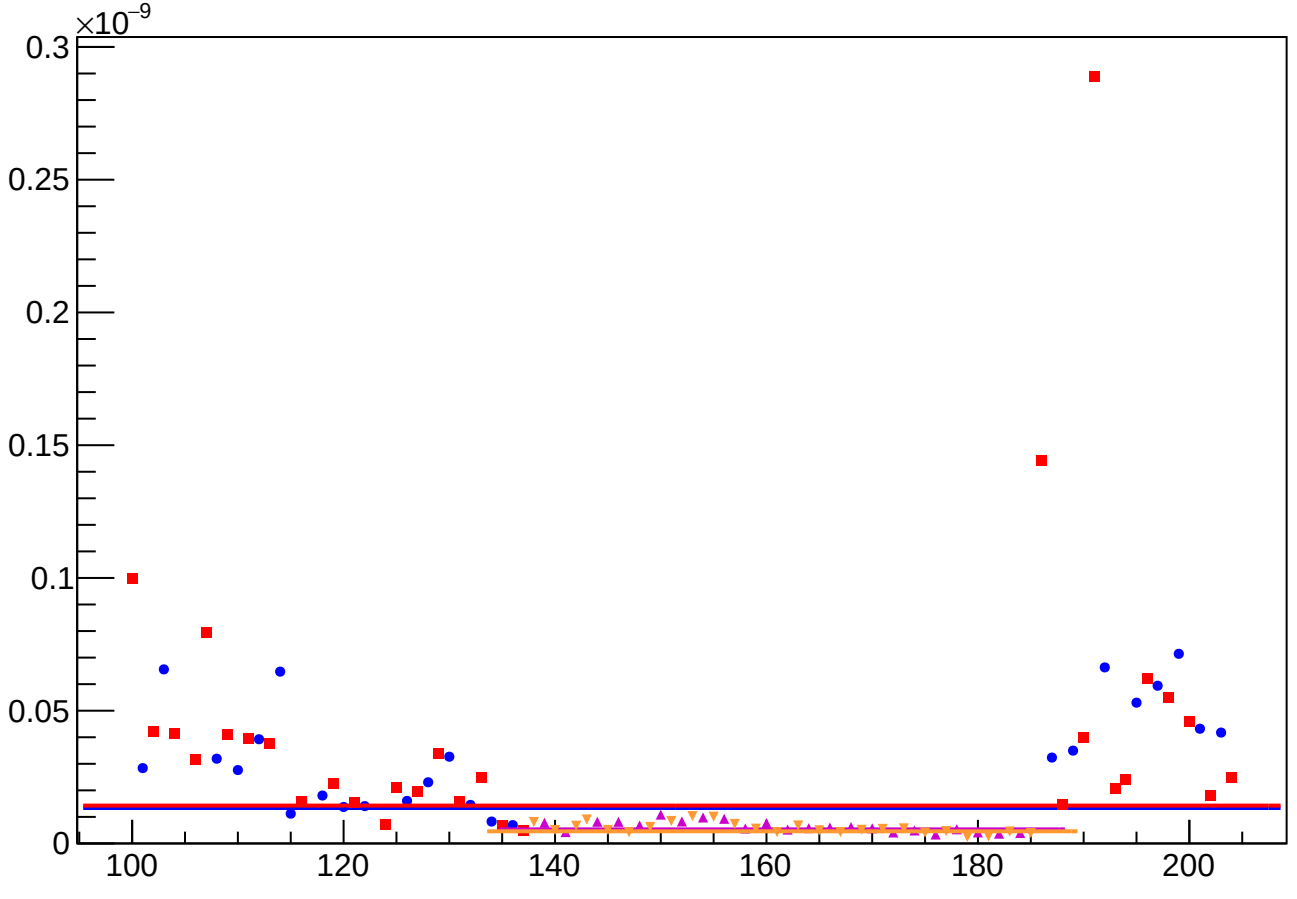
Left: 0.000+/-0.000 χ^2/NDF: 30.5/47

Right: -0.000+/-0.000 χ^2/NDF: 55.2/53

In: 0.000+/-0.000 χ^2/NDF:41.6/46

Out: -0.000+/-0.000 χ^2/NDF:46.2/54

All: 0.000+/-0.000 χ^2/NDF: 87.8/101



Right In: 0.000+/-0.000 χ^2/NDF: 6804319.3/23

Left Out: 0.000+/-0.000 χ^2/NDF:2796753.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6216312.9/29

Left In: 0.000+/-0.000 χ^2/NDF:2230717.6/22

Left: 0.000+/-0.000 χ^2/NDF: 5240558.3/47

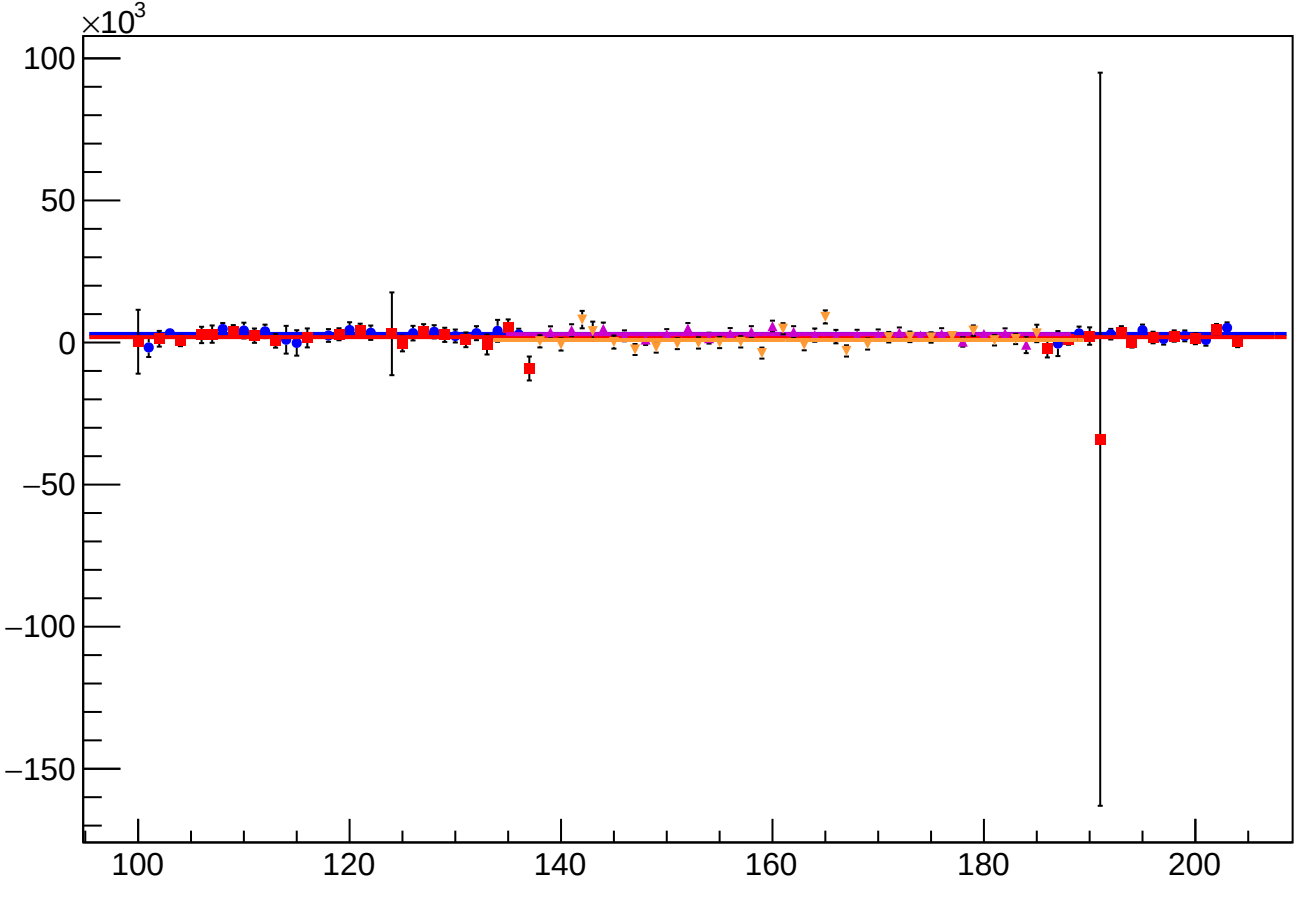
Right: 0.000+/-0.000 χ^2/NDF: 13040521.0/53

In: 0.000+/-0.000 χ^2/NDF:12178410.4/46

Out: 0.000+/-0.000 χ^2/NDF:13145338.1/54

All: 0.000+/-0.000 χ^2/NDF: 25595322.8/101

reg_asym_at2_avg_mean vs Slug, Sign Corrected



Right In: 3026.065+/-480.225 χ^2/NDF: 8.6/23

Left Out: 898.921+/-405.540 χ^2/NDF:45.3/24

Right Out: 1895.723+/-452.903 χ^2/NDF: 20.8/29

Left In: 2943.285+/-412.069 χ^2/NDF:10.6/22

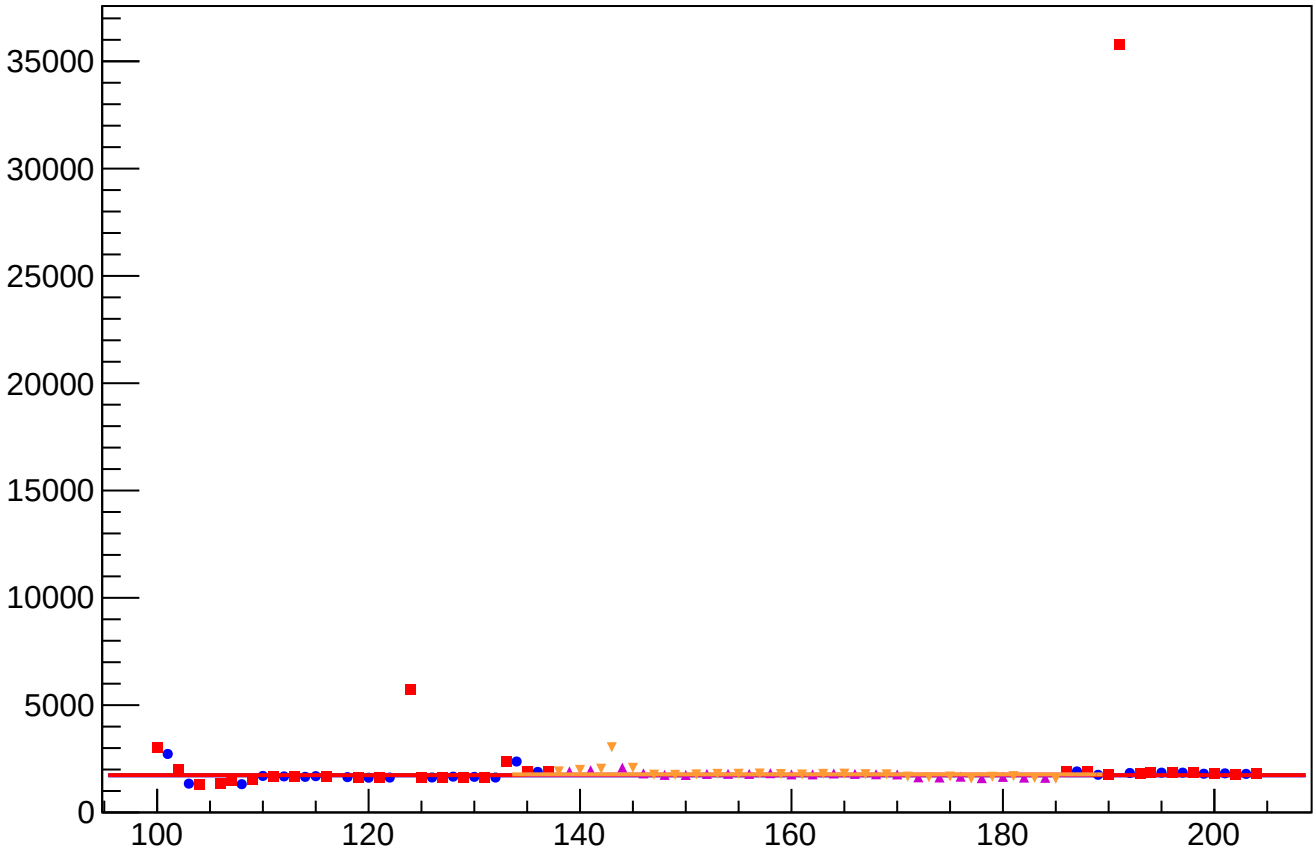
Left: 1904.780+/-289.041 χ^2/NDF: 68.3/47

Right: 2427.825+/-329.486 χ^2/NDF: 32.4/53

In: 2978.389+/-312.722 χ^2/NDF:19.2/46

Out: 1342.494+/-302.122 χ^2/NDF:68.7/54

All: 2132.246+/-217.283 χ^2/NDF: 102.1/101



Right In: 1729.637+/-0.340 χ^2/NDF: 474229.1/23

Left Out: 1774.731+/-0.287 χ^2/NDF:446895.8/24

Right Out: 1737.696+/-0.320 χ^2/NDF: 669624.6/29

Left In: 1761.089+/-0.291 χ^2/NDF:146266.6/22

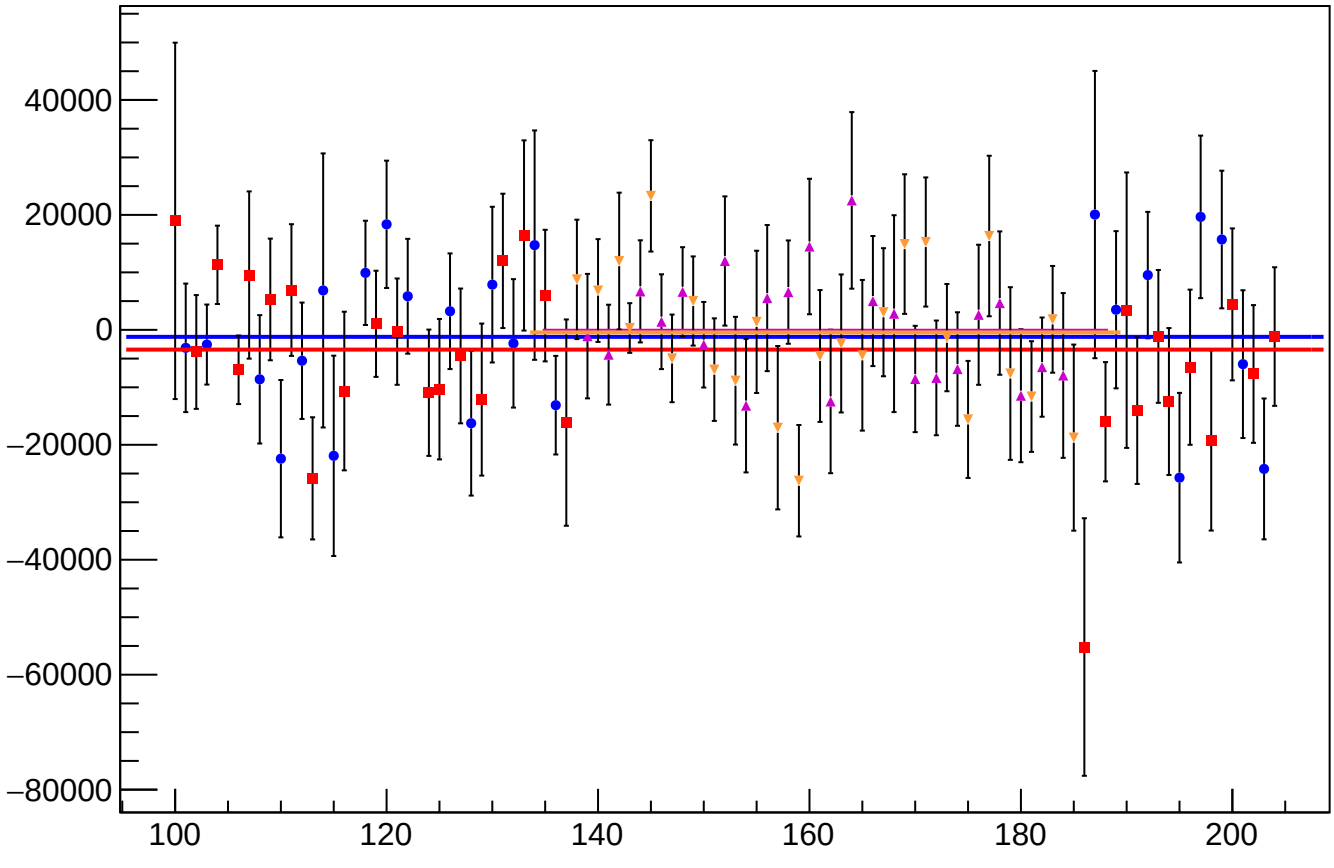
Left: 1768.019+/-0.204 χ^2/NDF: 594275.9/47

Right: 1733.902+/-0.233 χ^2/NDF: 1144151.7/53

In: 1747.751+/-0.221 χ^2/NDF:625436.4/46

Out: 1758.250+/-0.214 χ^2/NDF:1123942.5/54

All: 1753.182+/-0.154 χ^2/NDF: 1750545.0/10



Right In: -1217.510+/-2374.672 χ^2/NDF: 26.8/23

Left Out: -443.346+/-1925.604 χ^2/NDF:29.5/24

Right Out: -3437.618+/-2079.616 χ^2/NDF: 28.2/29

Left In: -155.268+/-2143.489 χ^2/NDF:13.8/22

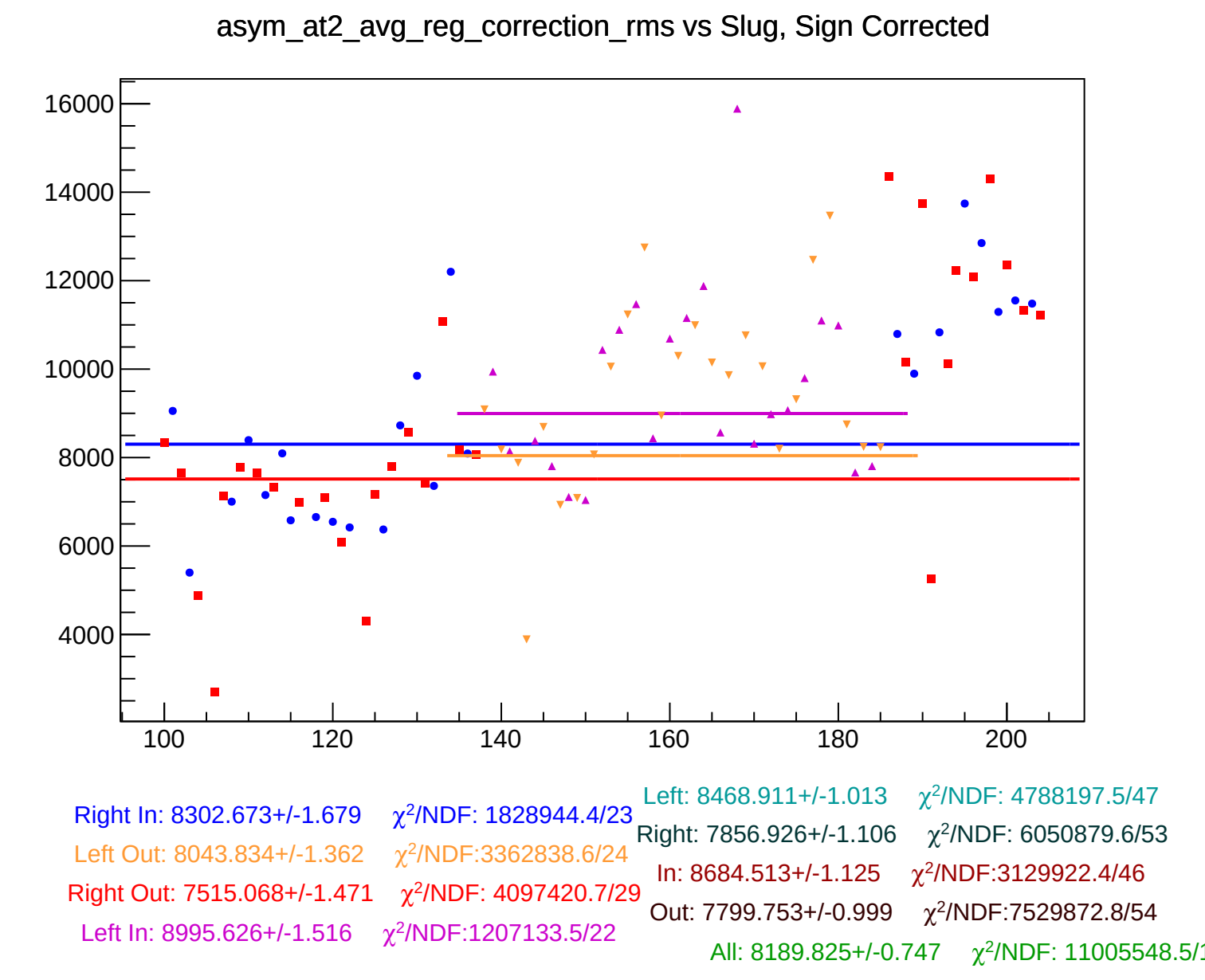
Left: -314.688+/-1432.465 χ^2/NDF: 43.3/47

Right: -2473.983+/-1564.490 χ^2/NDF: 55.4/53

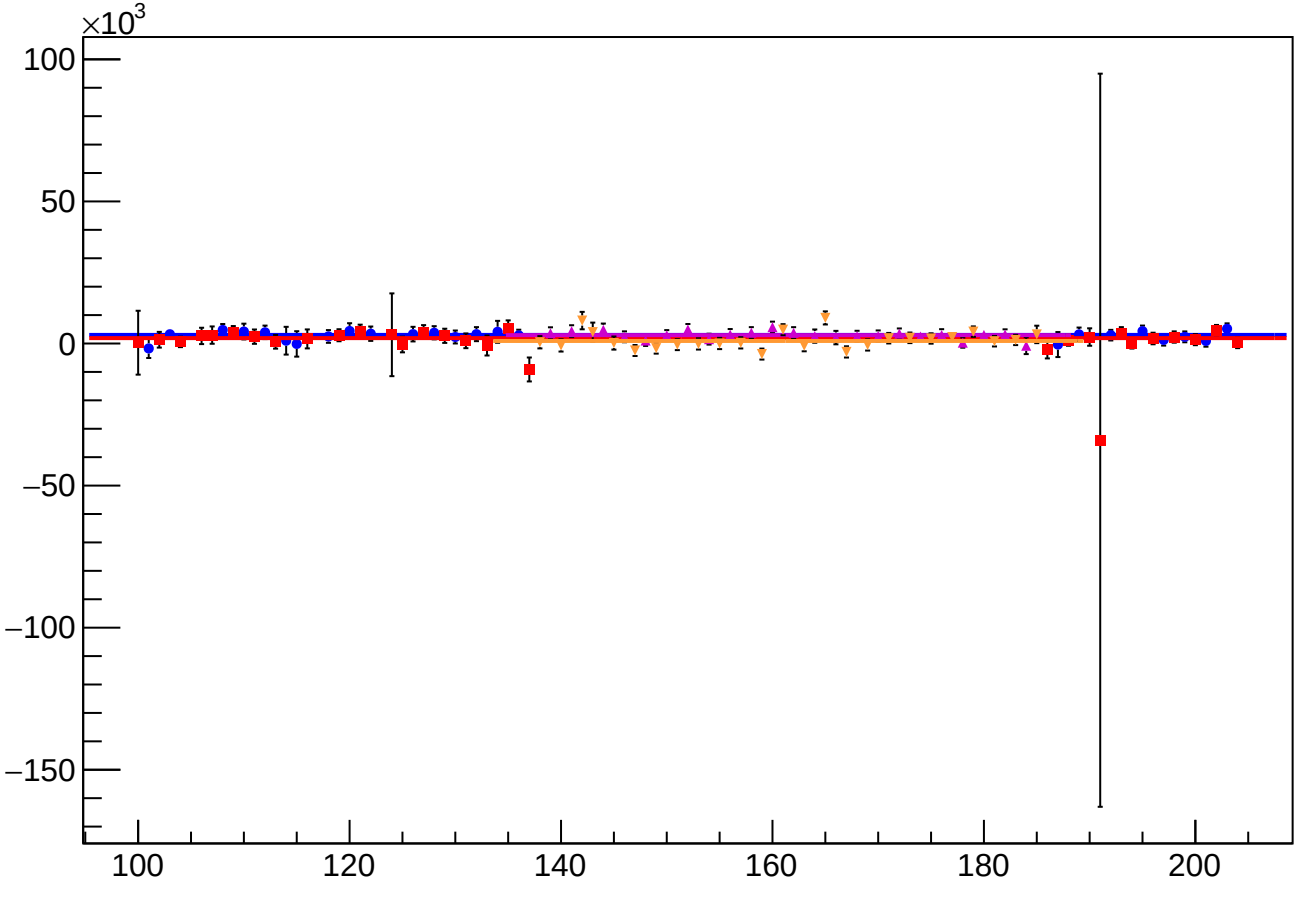
In: -632.179+/-1591.147 χ^2/NDF:40.7/46

Out: -1825.514+/-1412.921 χ^2/NDF:58.8/54

All: -1299.397+/-1056.502 χ^2/NDF: 99.8/101


asym_at2_avg_reg_correction_rms vs Slug, Sign Corrected
16000
14000
12000
10000
8000
6000
4000
100
120
140
160
180
200
Right In: 8302.673+/-1.679 χ²/NDF: 1828944.4/23
Left Out: 8043.834+/-1.362 χ²/NDF:3362838.6/24
Right Out: 7515.068+/-1.471 χ²/NDF: 4097420.7/29
Left In: 8995.626+/-1.516 χ²/NDF:1207133.5/22
Left: 8468.911+/-1.013 χ²/NDF: 4788197.5/47
Right: 7856.926+/-1.106 χ²/NDF: 6050879.6/53
In: 8684.513+/-1.125 χ²/NDF:3129922.4/46
Out: 7799.753+/-0.999 χ²/NDF:7529872.8/54
All: 8189.825+/-0.747 χ²/NDF: 11005548.5/1

cor_asym_at2_avg_mean vs Slug, Sign Corrected



Right In: 3026.153+/-480.225 χ^2/NDF: 8.6/23

Left Out: 898.842+/-405.540 χ^2/NDF:45.3/24

Right Out: 1895.630+/-452.903 χ^2/NDF: 20.8/29

Left In: 2943.173+/-412.069 χ^2/NDF:10.6/22

Left: 1904.684+/-289.041 χ^2/NDF: 68.3/47

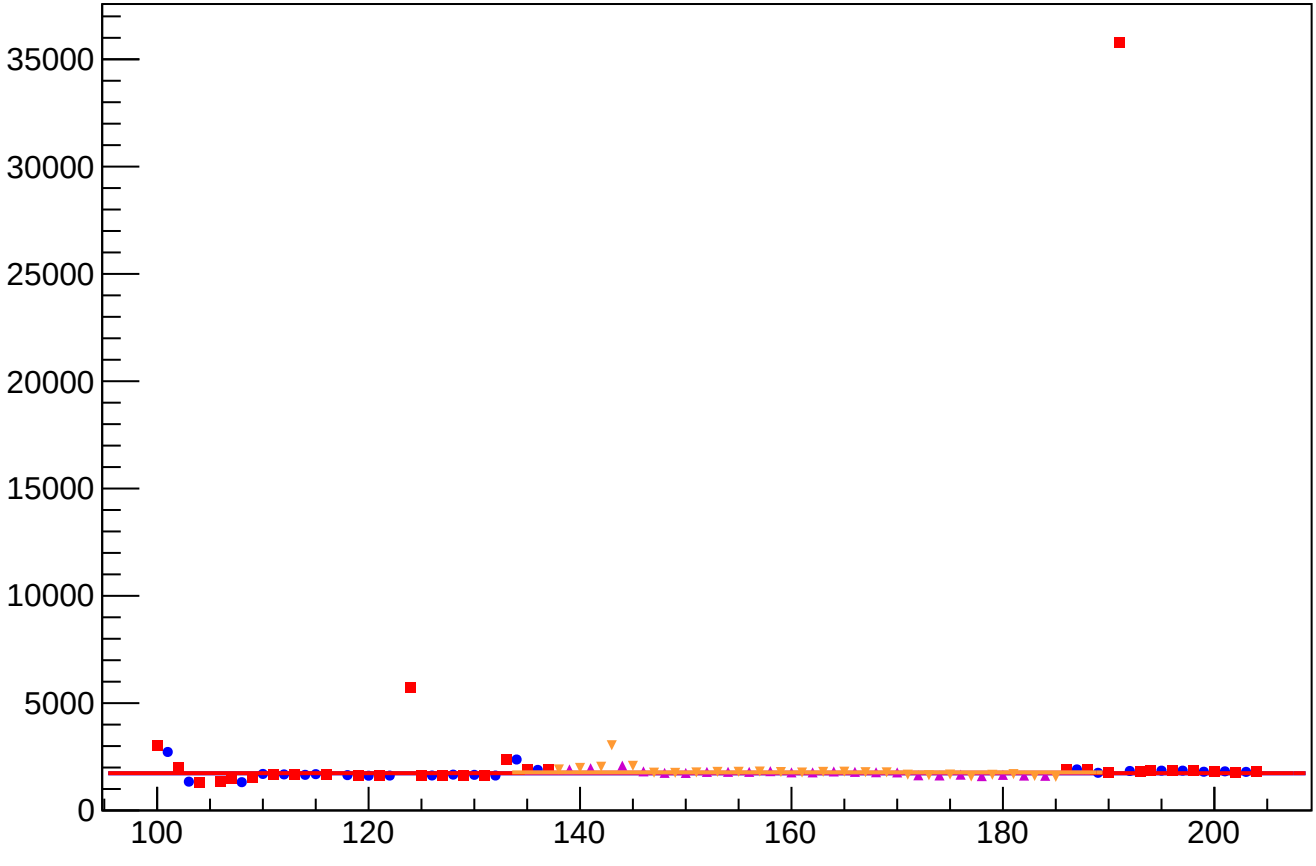
Right: 2427.817+/-329.486 χ^2/NDF: 32.4/53

In: 2978.361+/-312.722 χ^2/NDF:19.2/46

Out: 1342.408+/-302.122 χ^2/NDF:68.8/54

All: 2132.189+/-217.283 χ^2/NDF: 102.1/101

cor_asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 1729.637+/-0.340 χ^2/NDF: 474229.5/23

Left Out: 1774.731+/-0.287 χ^2/NDF:446895.7/24

Right Out: 1737.696+/-0.320 χ^2/NDF: 669624.8/29

Left In: 1761.089+/-0.291 χ^2/NDF:146266.6/22

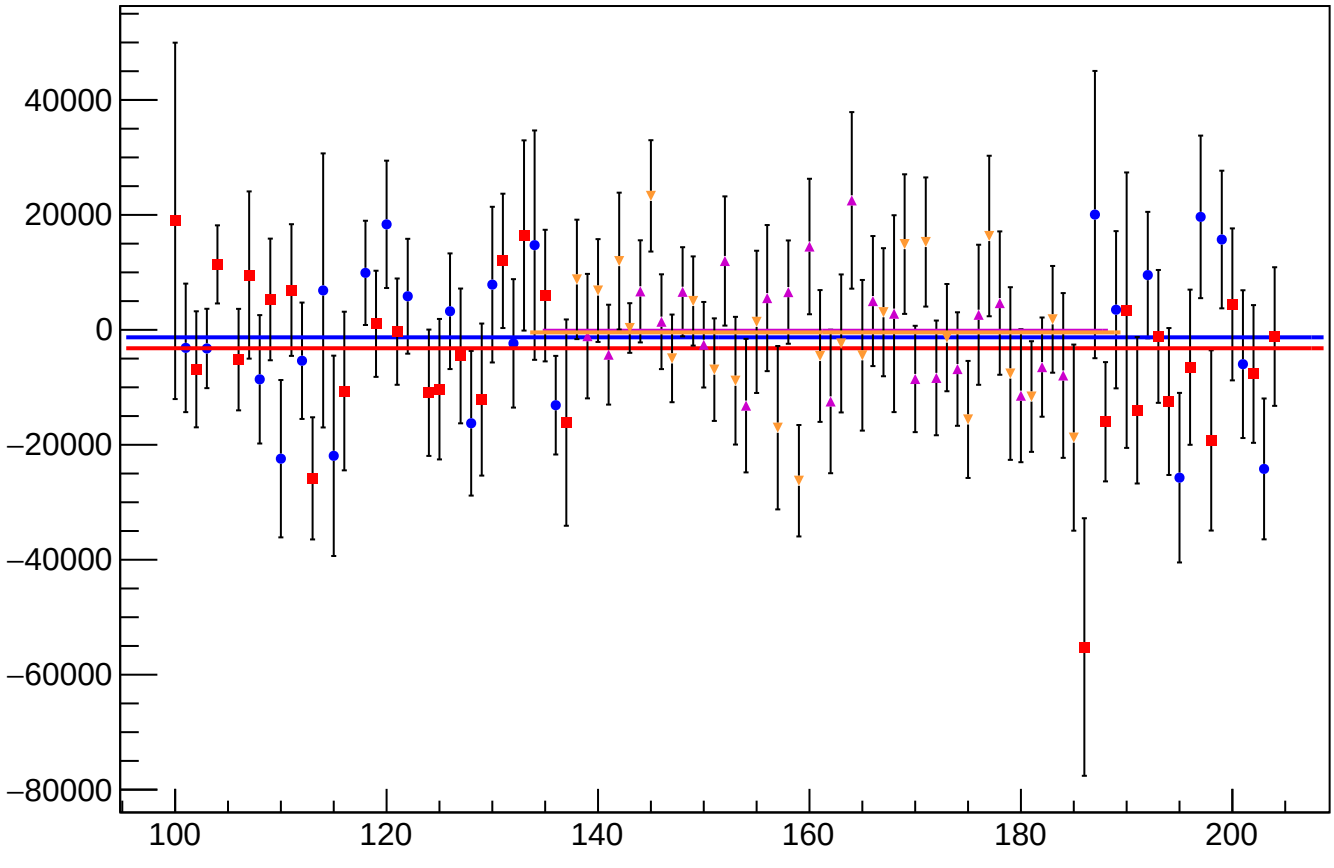
Left: 1768.019+/-0.204 χ^2/NDF: 594275.8/47

Right: 1733.902+/-0.233 χ^2/NDF: 1144152.4/53

In: 1747.751+/-0.221 χ^2/NDF:625436.8/46

Out: 1758.250+/-0.214 χ^2/NDF:1123942.8/54

All: 1753.182+/-0.154 χ^2/NDF: 1750545.7/10



Right In: -1300.404+/-2372.295 χ^2/NDF: 26.8/23

Left Out: -443.387+/-1925.600 χ^2/NDF:29.5/24

Right Out: -3202.606+/-2153.191 χ^2/NDF: 28.1/29

Left In: -155.239+/-2143.487 χ^2/NDF:13.8/22

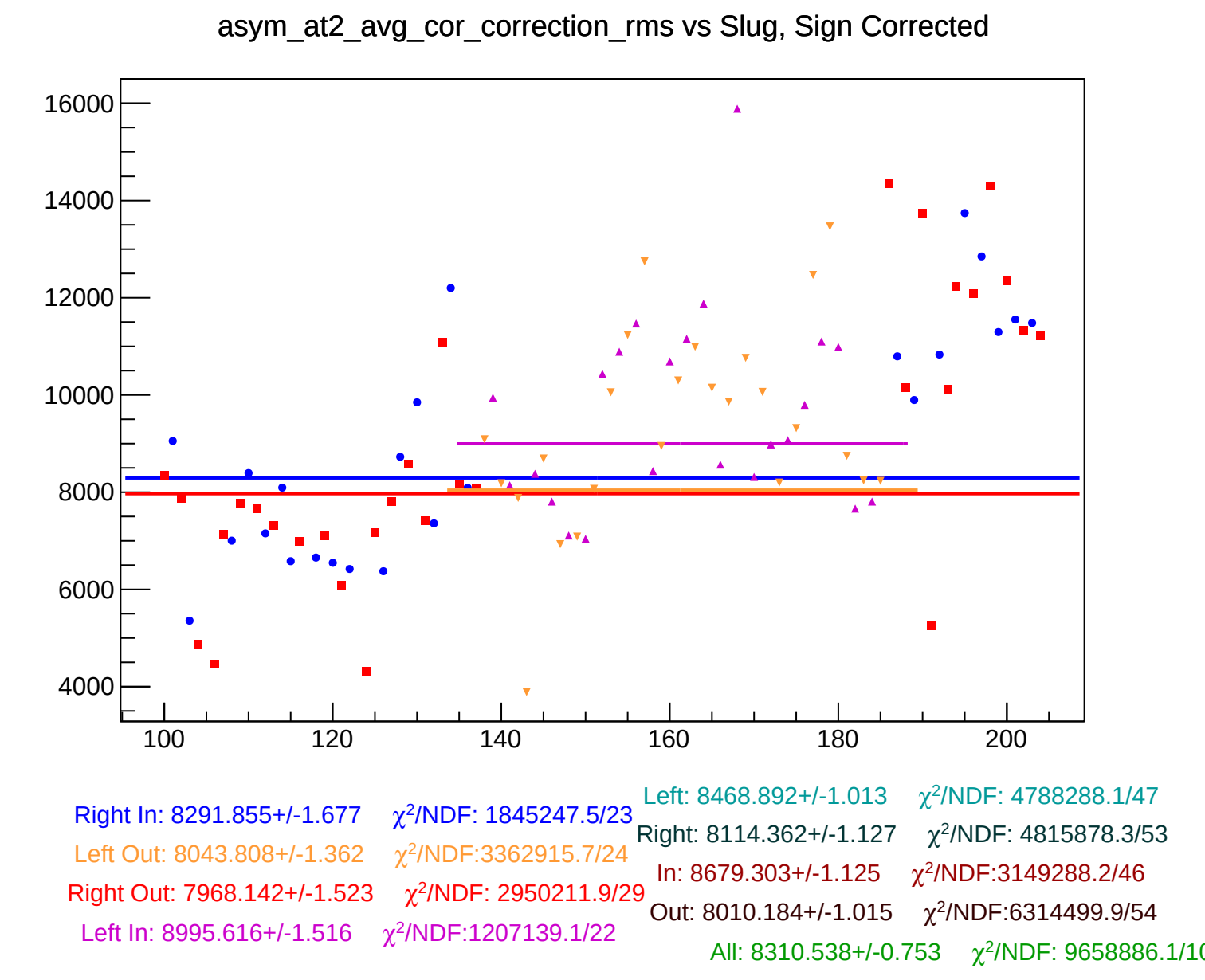
Left: -314.698+/-1432.462 χ^2/NDF: 43.3/47

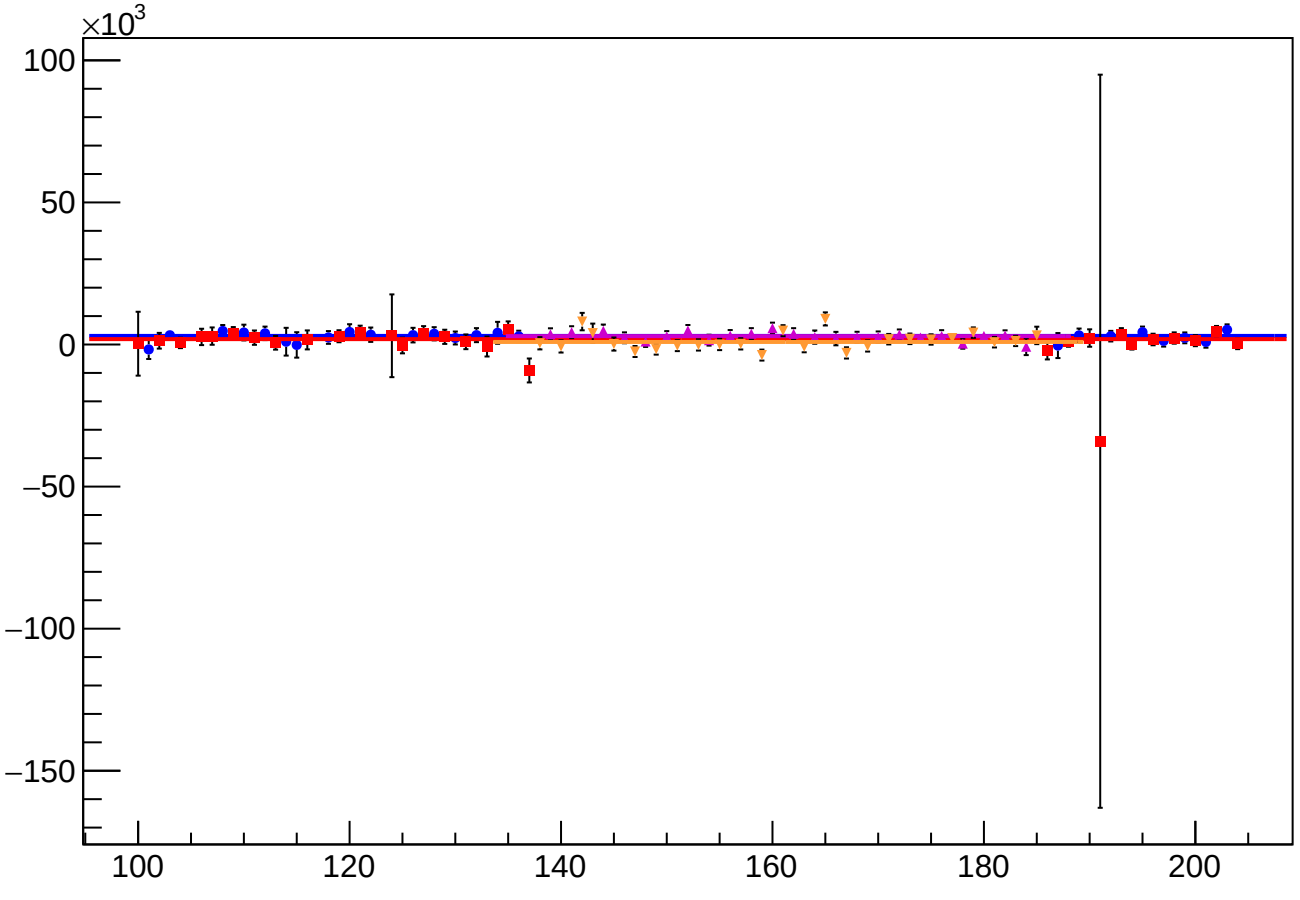
Right: -2343.385+/-1594.383 χ^2/NDF: 55.2/53

In: -669.946+/-1590.431 χ^2/NDF:40.7/46

Out: -1669.514+/-1435.348 χ^2/NDF:58.4/54

All: -1220.827+/-1065.565 χ^2/NDF: 99.4/101


asym_at2_avg_cor_correction_rms vs Slug, Sign Corrected
16000
14000
12000
10000
8000
6000
4000
100
120
140
160
180
200
Right In: 8291.855+/-1.677 χ²/NDF: 1845247.5/23
Left Out: 8043.808+/-1.362 χ²/NDF:3362915.7/24
Right Out: 7968.142+/-1.523 χ²/NDF: 2950211.9/29
Left In: 8995.616+/-1.516 χ²/NDF:1207139.1/22
Left: 8468.892+/-1.013 χ²/NDF: 4788288.1/47
Right: 8114.362+/-1.127 χ²/NDF: 4815878.3/53
In: 8679.303+/-1.125 χ²/NDF:3149288.2/46
Out: 8010.184+/-1.015 χ²/NDF:6314499.9/54
All: 8310.538+/-0.753 χ²/NDF: 9658886.1/10



Right In: 3026.153+/-480.225 χ^2/NDF: 8.6/23

Left Out: 898.842+/-405.540 χ^2/NDF:45.3/24

Right Out: 1895.630+/-452.903 χ^2/NDF: 20.8/29

Left In: 2943.173+/-412.069 χ^2/NDF:10.6/22

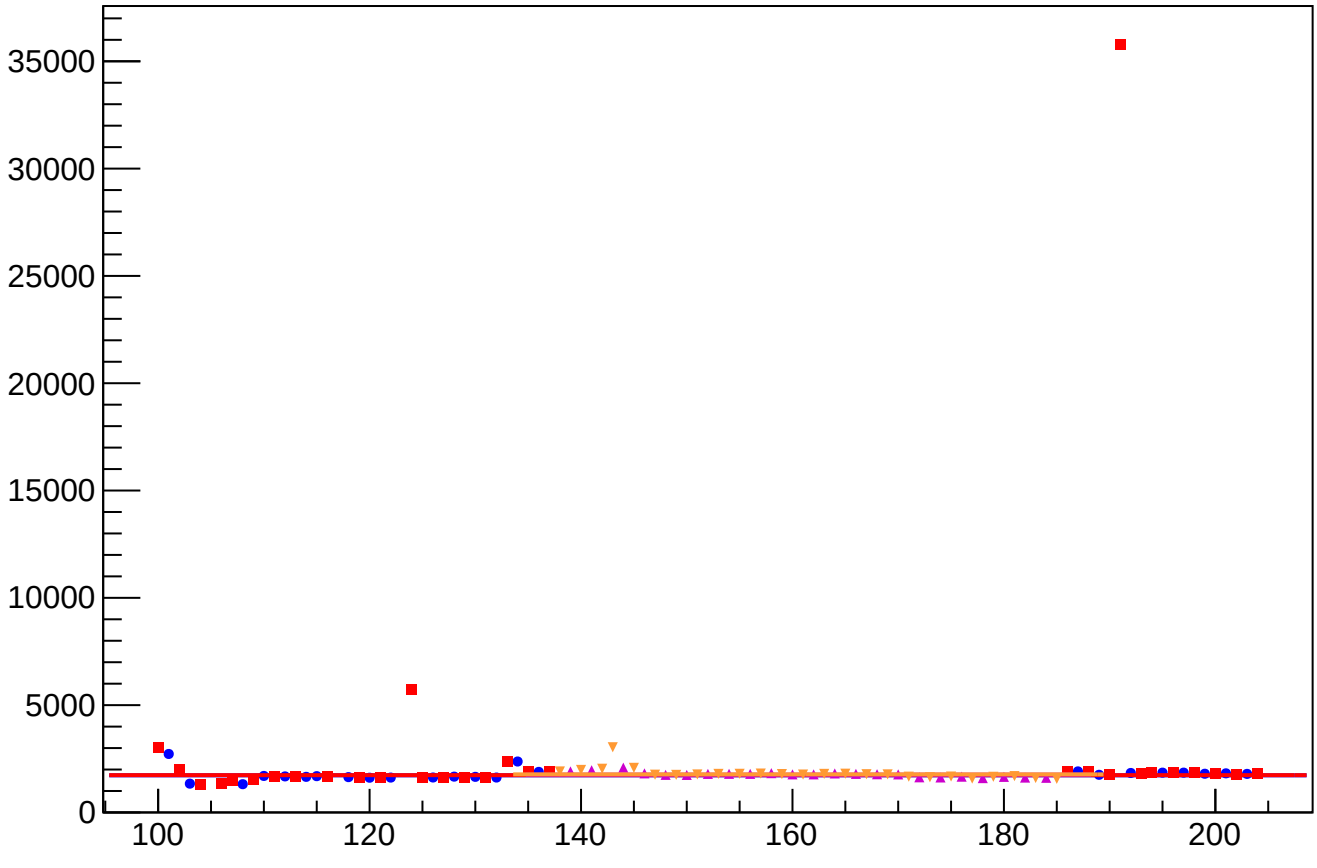
Left: 1904.684+/-289.041 χ^2/NDF: 68.3/47

Right: 2427.817+/-329.486 χ^2/NDF: 32.4/53

In: 2978.361+/-312.722 χ^2/NDF:19.2/46

Out: 1342.408+/-302.122 χ^2/NDF:68.8/54

All: 2132.189+/-217.283 χ^2/NDF: 102.1/101



Right In: 1729.637+/-0.340 χ^2/NDF: 474229.5/23

Left Out: 1774.731+/-0.287 χ^2/NDF:446895.7/24

Right Out: 1737.696+/-0.320 χ^2/NDF: 669624.8/29

Left In: 1761.089+/-0.291 χ^2/NDF:146266.6/22

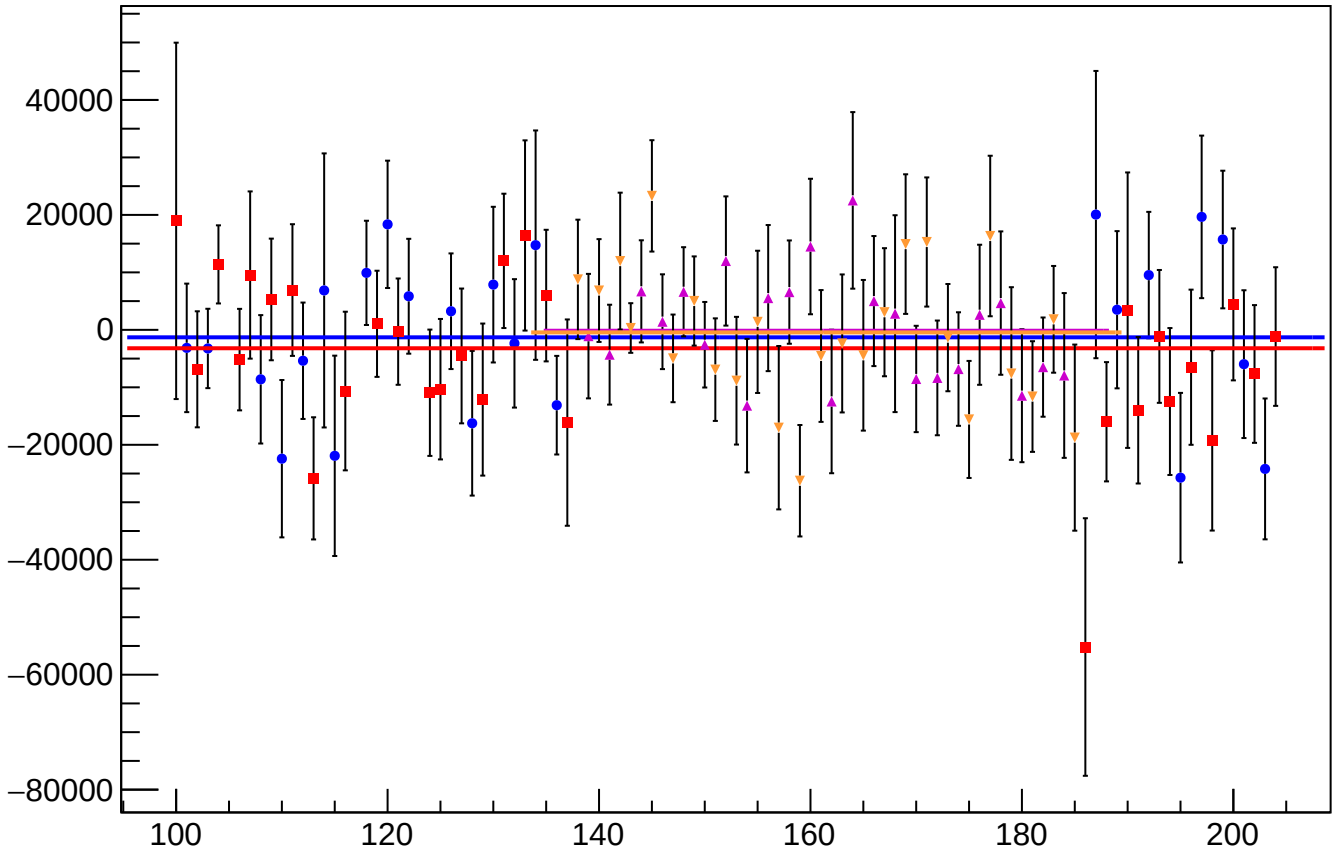
Left: 1768.019+/-0.204 χ^2/NDF: 594275.8/47

Right: 1733.902+/-0.233 χ^2/NDF: 1144152.4/53

In: 1747.751+/-0.221 χ^2/NDF:625436.8/46

Out: 1758.250+/-0.214 χ^2/NDF:1123942.8/54

All: 1753.182+/-0.154 χ^2/NDF: 1750545.7/10



Right In: -1300.404+/-2372.295 χ^2/NDF: 26.8/23

Left Out: -443.387+/-1925.600 χ^2/NDF:29.5/24

Right Out: -3202.606+/-2153.191 χ^2/NDF: 28.1/29

Left In: -155.239+/-2143.487 χ^2/NDF:13.8/22

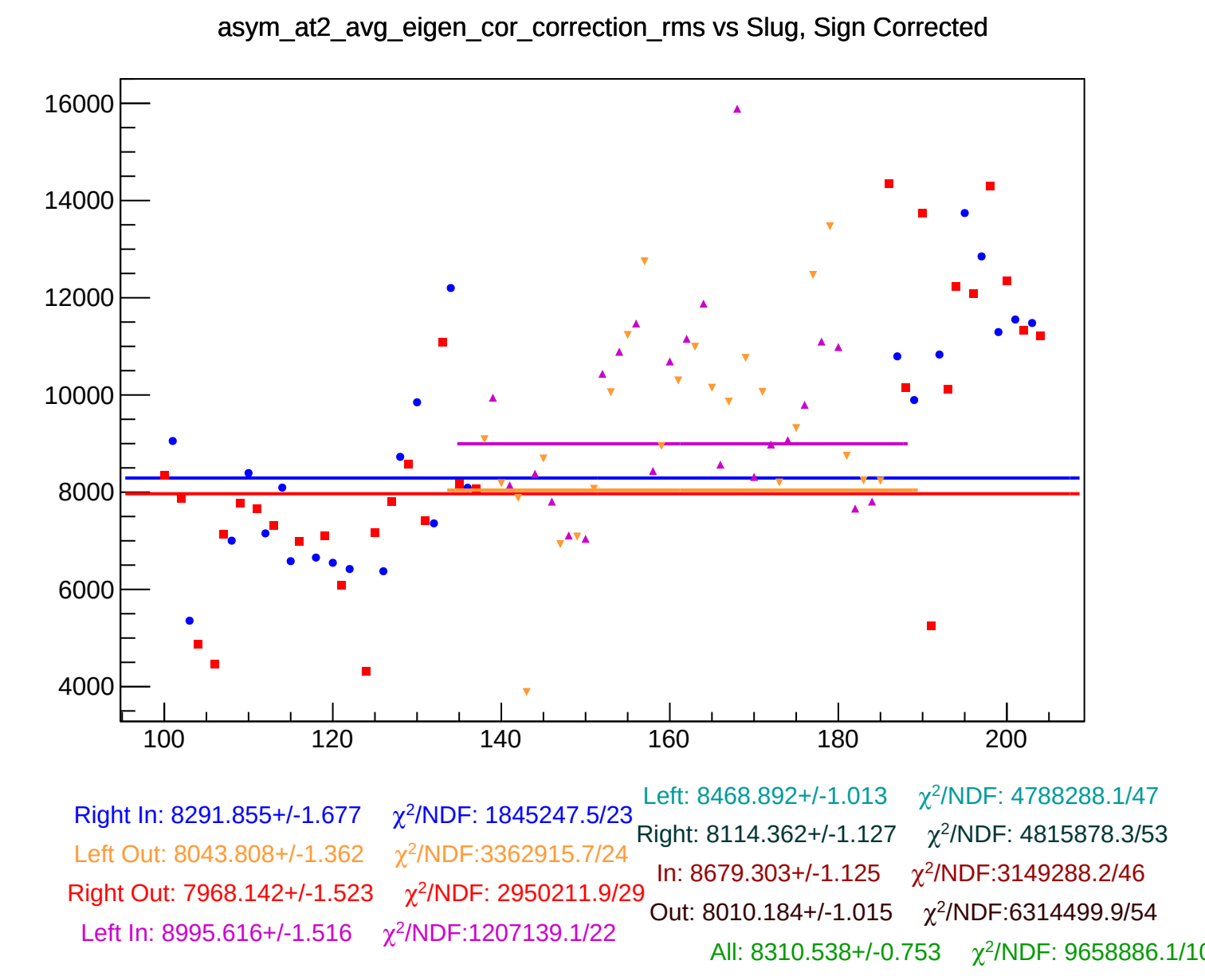
Left: -314.698+/-1432.462 χ^2/NDF: 43.3/47

Right: -2343.385+/-1594.383 χ^2/NDF: 55.2/53

In: -669.946+/-1590.431 χ^2/NDF:40.7/46

Out: -1669.514+/-1435.348 χ^2/NDF:58.4/54

All: -1220.827+/-1065.565 χ^2/NDF: 99.4/101


asym_at2_avg_eigen_cor_correction_rms vs Slug, Sign Corrected
16000
14000
12000
10000
8000
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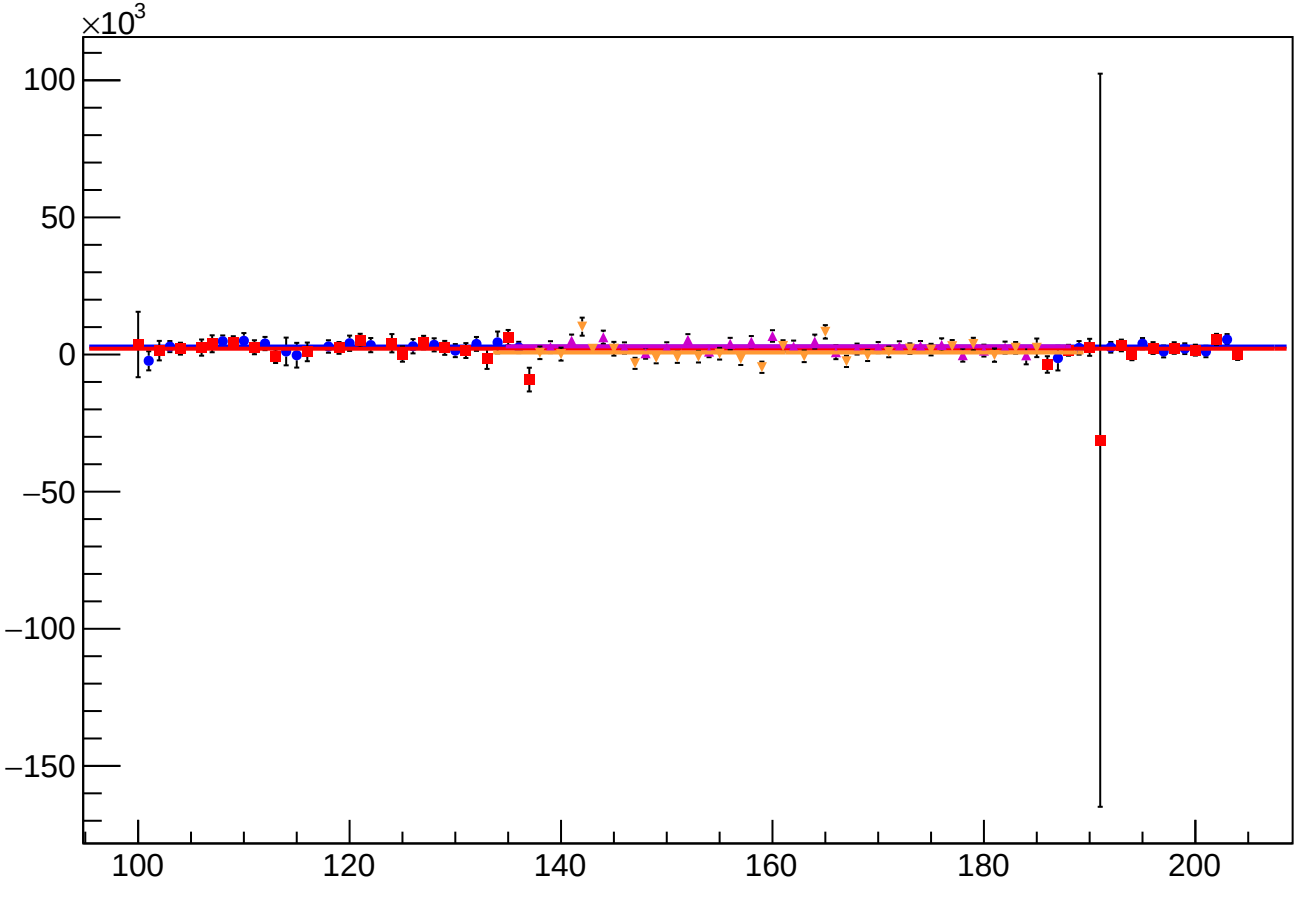
4000
100
120
140
160
180
200
Right In: 8291.855+/-1.677 χ²/NDF: 1845247.5/23
Left Out: 8043.808+/-1.362 χ²/NDF:3362915.7/24
Right Out: 7968.142+/-1.523 χ²/NDF: 2950211.9/29
Left In: 8995.616+/-1.516 χ²/NDF:1207139.1/22
Left: 8468.892+/-1.013 χ²/NDF: 4788288.1/47
Right: 8114.362+/-1.127 χ²/NDF: 4815878.3/53
In: 8679.303+/-1.125 χ²/NDF:3149288.2/46
Out: 8010.184+/-1.015 χ²/NDF:6314499.9/54
All: 8310.538+/-0.753 χ²/NDF: 9658886.1/10



Right In: 2918.882+/-498.151 χ^2/NDF: 9.8/23

Left Out: 739.029+/-432.878 χ^2/NDF:41.6/24

Right Out: 2125.649+/-466.798 χ^2/NDF: 25.7/29

Left In: 2979.225+/-450.334 χ^2/NDF:15.6/22

Left: 1814.868+/-312.080 χ^2/NDF: 70.1/47

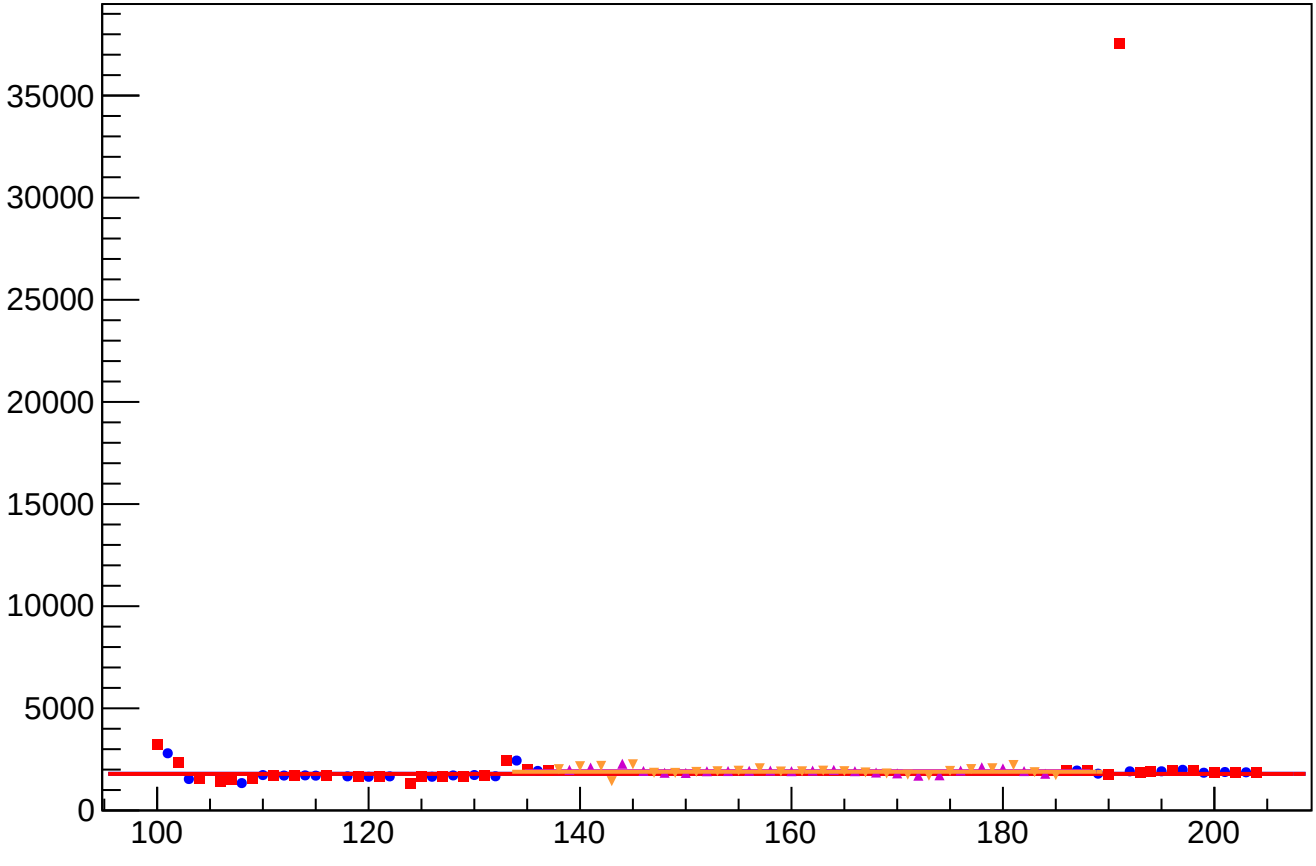
Right: 2496.519+/-340.621 χ^2/NDF: 36.9/53

In: 2952.088+/-334.064 χ^2/NDF:25.5/46

Out: 1380.134+/-317.406 χ^2/NDF:72.1/54

All: 2125.943+/-230.103 χ^2/NDF: 109.2/101

dit_asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 1794.920+/-0.352 χ^2/NDF: 428946.0/23

Left Out: 1894.684+/-0.306 χ^2/NDF:368587.1/24

Right Out: 1789.305+/-0.330 χ^2/NDF: 537682.3/29

Left In: 1923.038+/-0.318 χ^2/NDF:150977.3/22

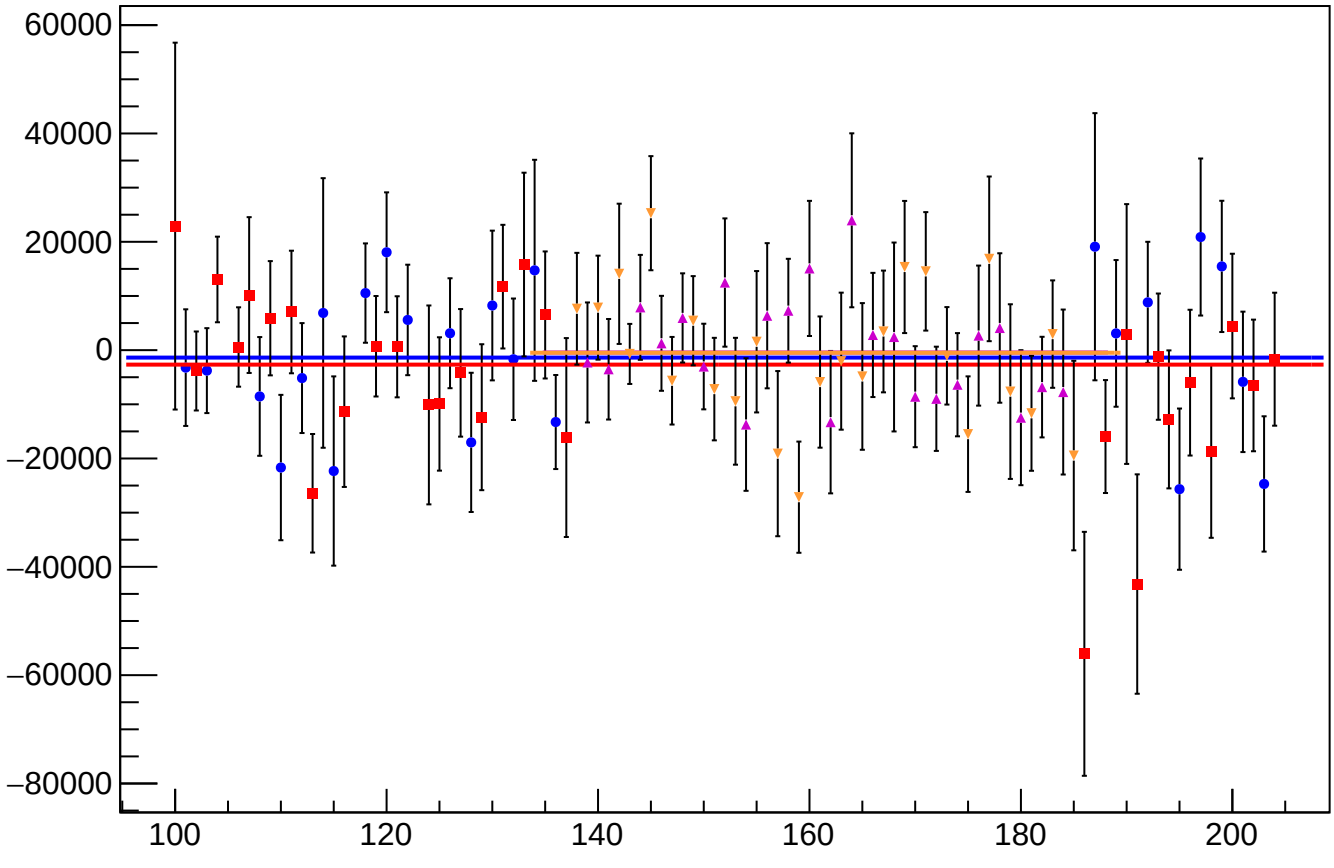
Left: 1908.301+/-0.221 χ^2/NDF: 523685.2/47

Right: 1791.930+/-0.241 χ^2/NDF: 966763.7/53

In: 1865.422+/-0.236 χ^2/NDF:652720.8/46

Out: 1845.951+/-0.224 χ^2/NDF:961081.4/54

All: 1855.188+/-0.163 χ^2/NDF: 1617373.1/10



Right In: -1375.168+/-2416.400 χ^2/NDF: 26.6/23

Left Out: -479.338+/-2089.235 χ^2/NDF:28.8/24

Right Out: -2672.667+/-2163.569 χ^2/NDF: 30.7/29

Left In: -436.717+/-2245.180 χ^2/NDF:13.6/22

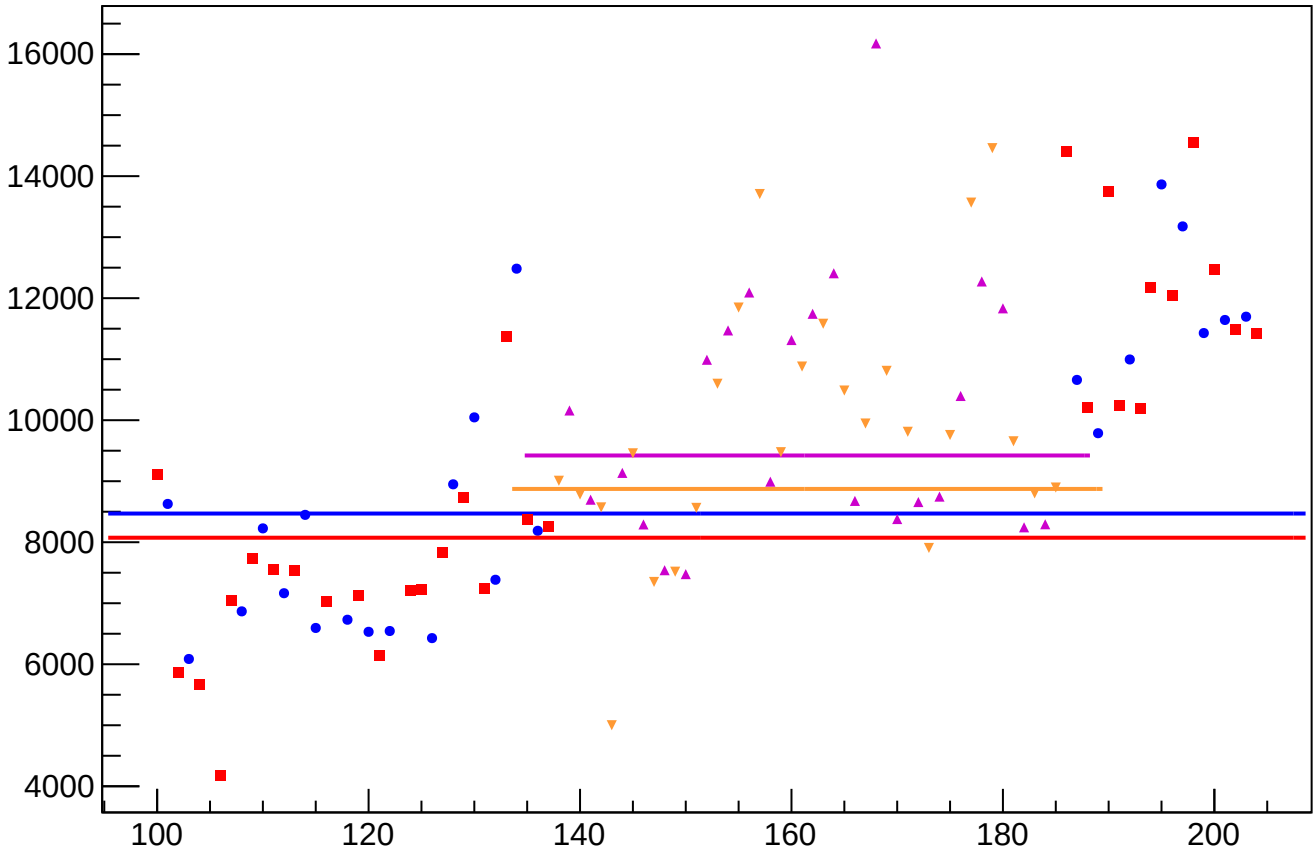
Left: -459.559+/-1529.474 χ^2/NDF: 42.4/47

Right: -2095.326+/-1611.875 χ^2/NDF: 57.5/53

In: -871.519+/-1644.785 χ^2/NDF:40.3/46

Out: -1537.678+/-1502.904 χ^2/NDF:60.0/54

All: -1234.564+/-1109.489 χ^2/NDF: 100.4/10



Right In: 8470.181+/-1.709 χ^2/NDF: 1680782.9/23

Left Out: 8873.592+/-1.477 χ^2/NDF:2203249.6/24

Right Out: 8073.915+/-1.530 χ^2/NDF: 2860149.0/29

Left In: 9421.708+/-1.588 χ^2/NDF:1204848.0/22

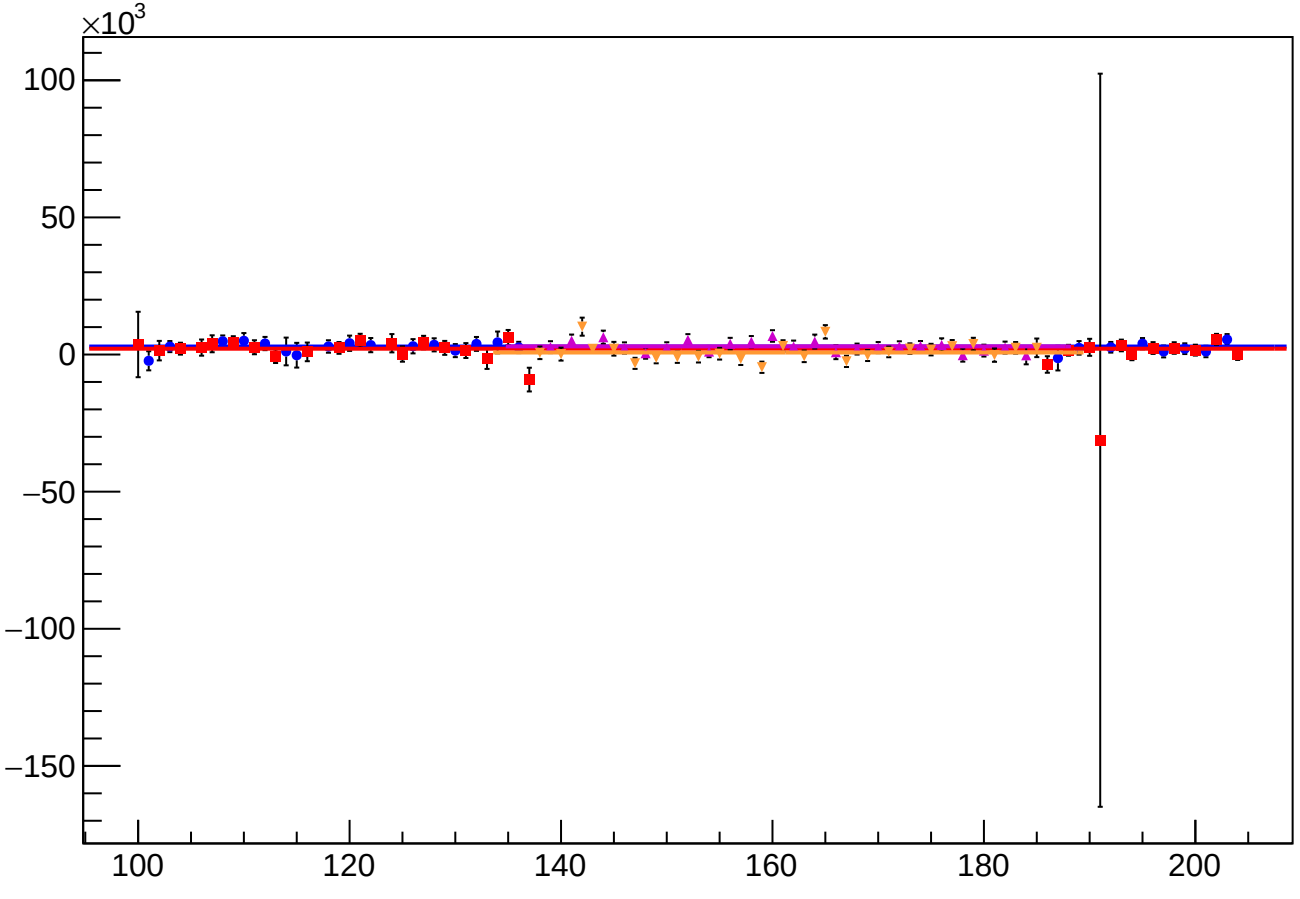
Left: 9127.955+/-1.082 χ^2/NDF: 3471980.0/47

Right: 8250.239+/-1.140 χ^2/NDF: 4570784.9/53

In: 8980.847+/-1.163 χ^2/NDF:3052068.1/46

Out: 8487.727+/-1.063 χ^2/NDF:5204784.8/54

All: 8712.105+/-0.785 χ^2/NDF: 8354824.5/10



Right In: 2918.877+/-498.151 χ^2/NDF: 9.8/23

Left Out: 739.018+/-432.879 χ^2/NDF:41.6/24

Right Out: 2125.652+/-466.798 χ^2/NDF: 25.7/29

Left In: 2979.226+/-450.335 χ^2/NDF:15.6/22

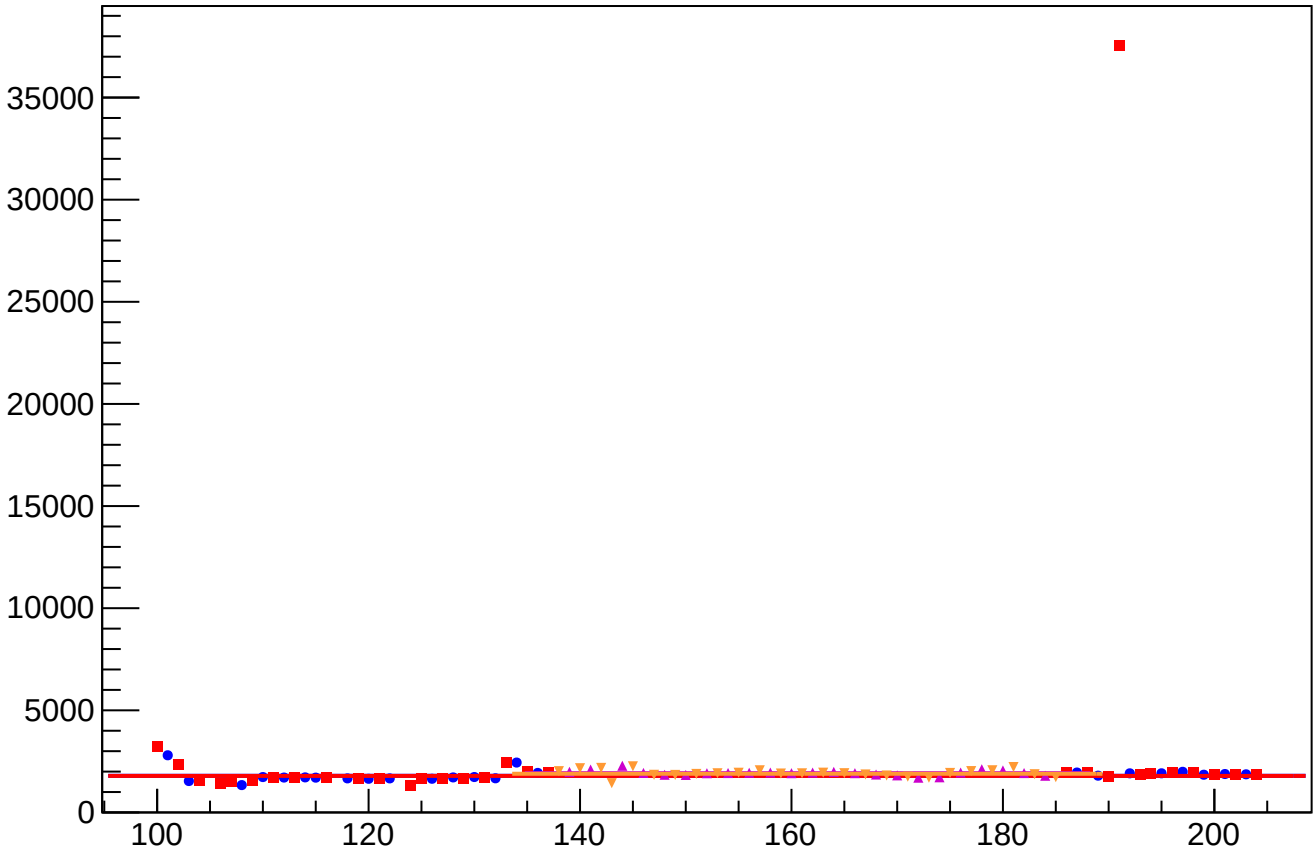
Left: 1814.862+/-312.080 χ^2/NDF: 70.1/47

Right: 2496.519+/-340.621 χ^2/NDF: 36.9/53

In: 2952.086+/-334.064 χ^2/NDF:25.5/46

Out: 1380.131+/-317.406 χ^2/NDF:72.1/54

All: 2125.941+/-230.104 χ^2/NDF: 109.2/101



Right In: 1794.920+/-0.352 χ^2/NDF: 428946.8/23

Left Out: 1894.687+/-0.306 χ^2/NDF:368594.6/24

Right Out: 1789.305+/-0.330 χ^2/NDF: 537683.9/29

Left In: 1923.042+/-0.318 χ^2/NDF:150984.8/22

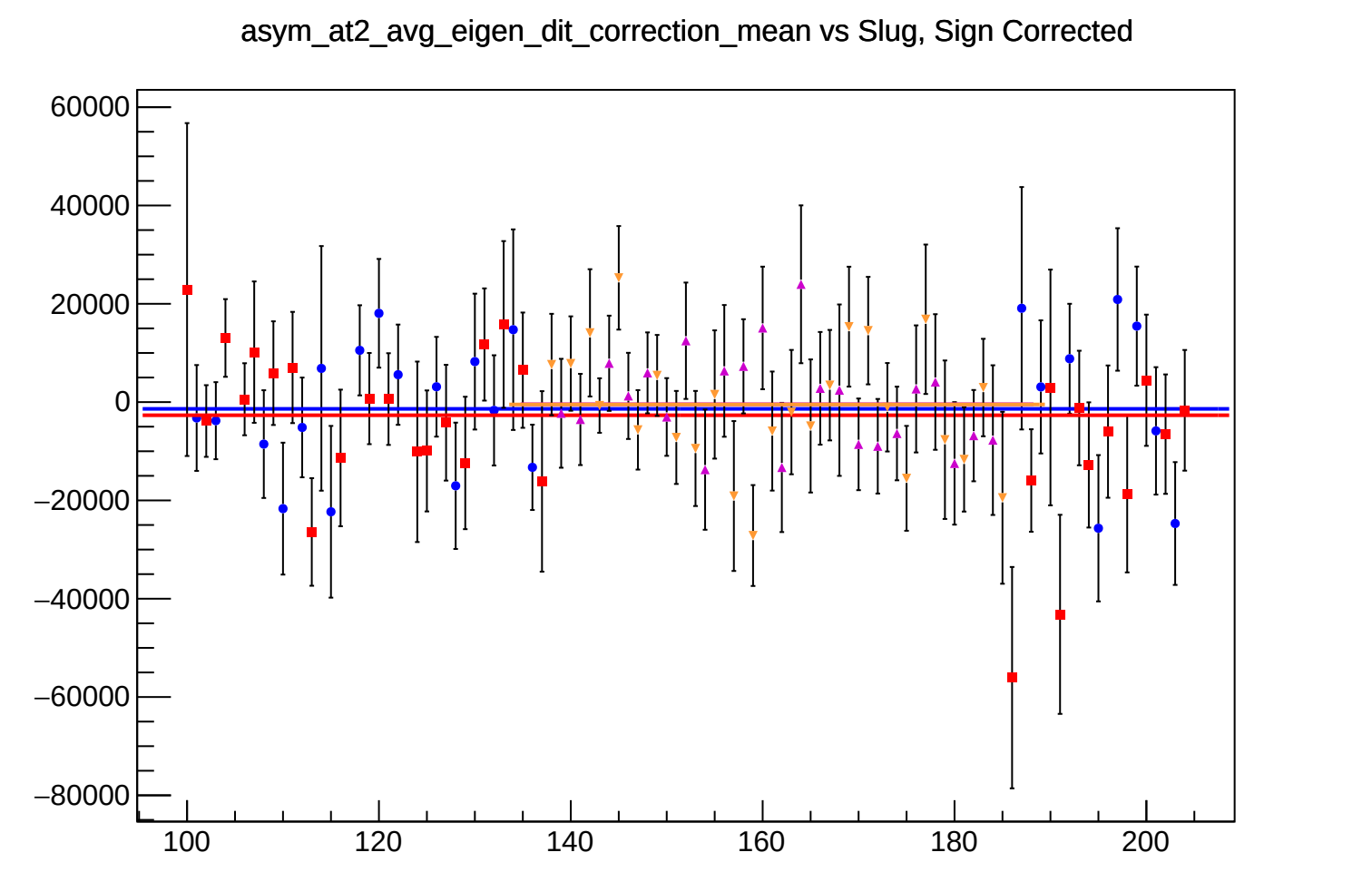
Left: 1908.304+/-0.221 χ^2/NDF: 523700.4/47

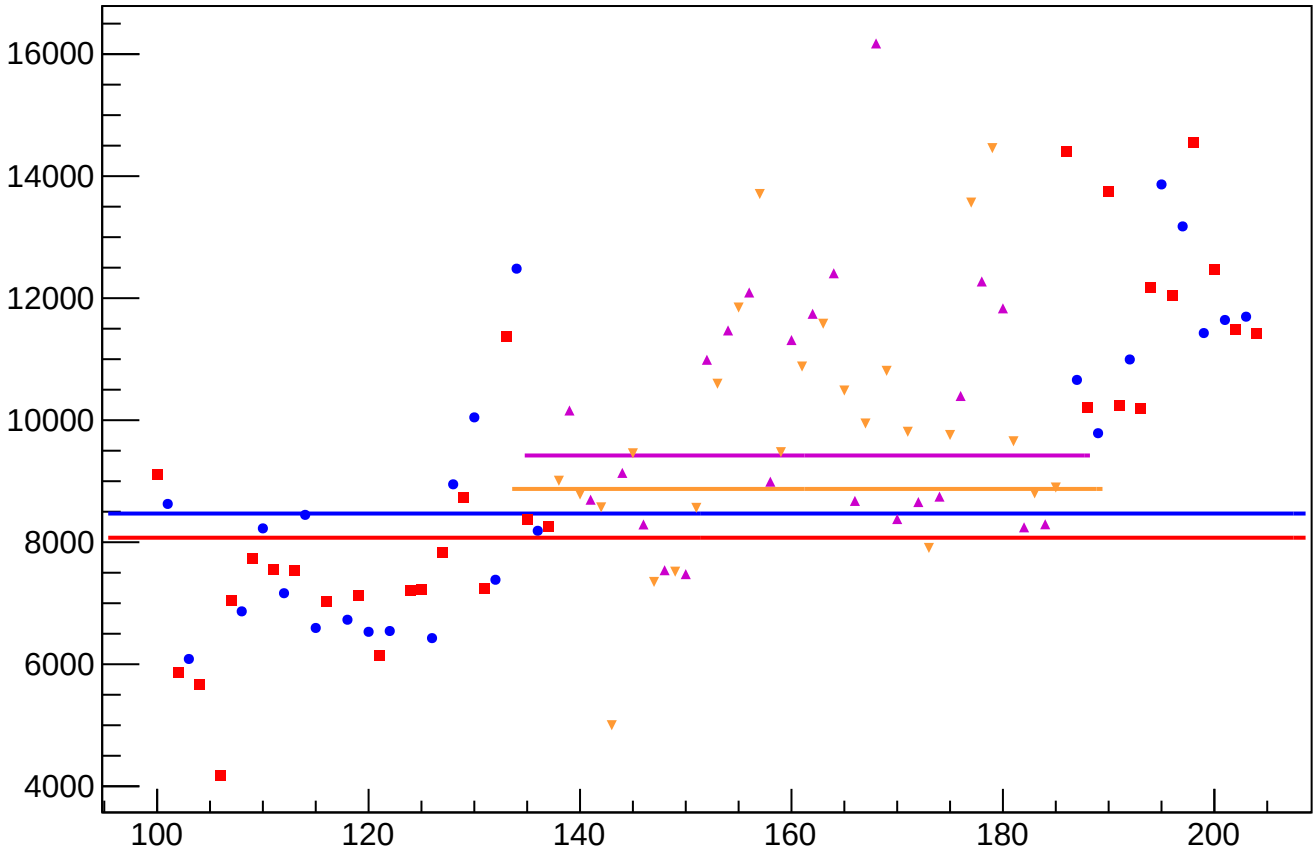
Right: 1791.930+/-0.241 χ^2/NDF: 966766.1/53

In: 1865.424+/-0.236 χ^2/NDF:652732.9/46

Out: 1845.953+/-0.224 χ^2/NDF:961093.5/54

All: 1855.190+/-0.163 χ^2/NDF: 1617397.2/10


asym_at2_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
60000
40000
20000
0
−20000
−40000
−60000
−80000
100
120
140
160
180
200
Right In: -1375.152+/-2416.397 χ²/NDF: 26.6/23
Left Out: -479.345+/-2089.238 χ²/NDF:28.8/24
Right Out: -2672.653+/-2163.566 χ²/NDF: 30.7/29
Left In: -436.720+/-2245.183 χ²/NDF:13.6/22
Left: -459.564+/-1529.476 χ²/NDF: 42.4/47
Right: -2095.312+/-1611.873 χ²/NDF: 57.5/53
In: -871.515+/-1644.785 χ²/NDF:40.3/46
Out: -1537.678+/-1502.905 χ²/NDF:60.0/54
All: -1234.563+/-1109.489 χ²/NDF: 100.4/10



Right In: 8470.166+/-1.709 χ^2/NDF: 1680804.1/23

Left Out: 8873.607+/-1.477 χ^2/NDF:2203251.2/24

Right Out: 8073.902+/-1.530 χ^2/NDF: 2860169.3/29

Left In: 9421.722+/-1.588 χ^2/NDF:1204851.9/22

Left: 9127.970+/-1.082 χ^2/NDF: 3471985.2/47

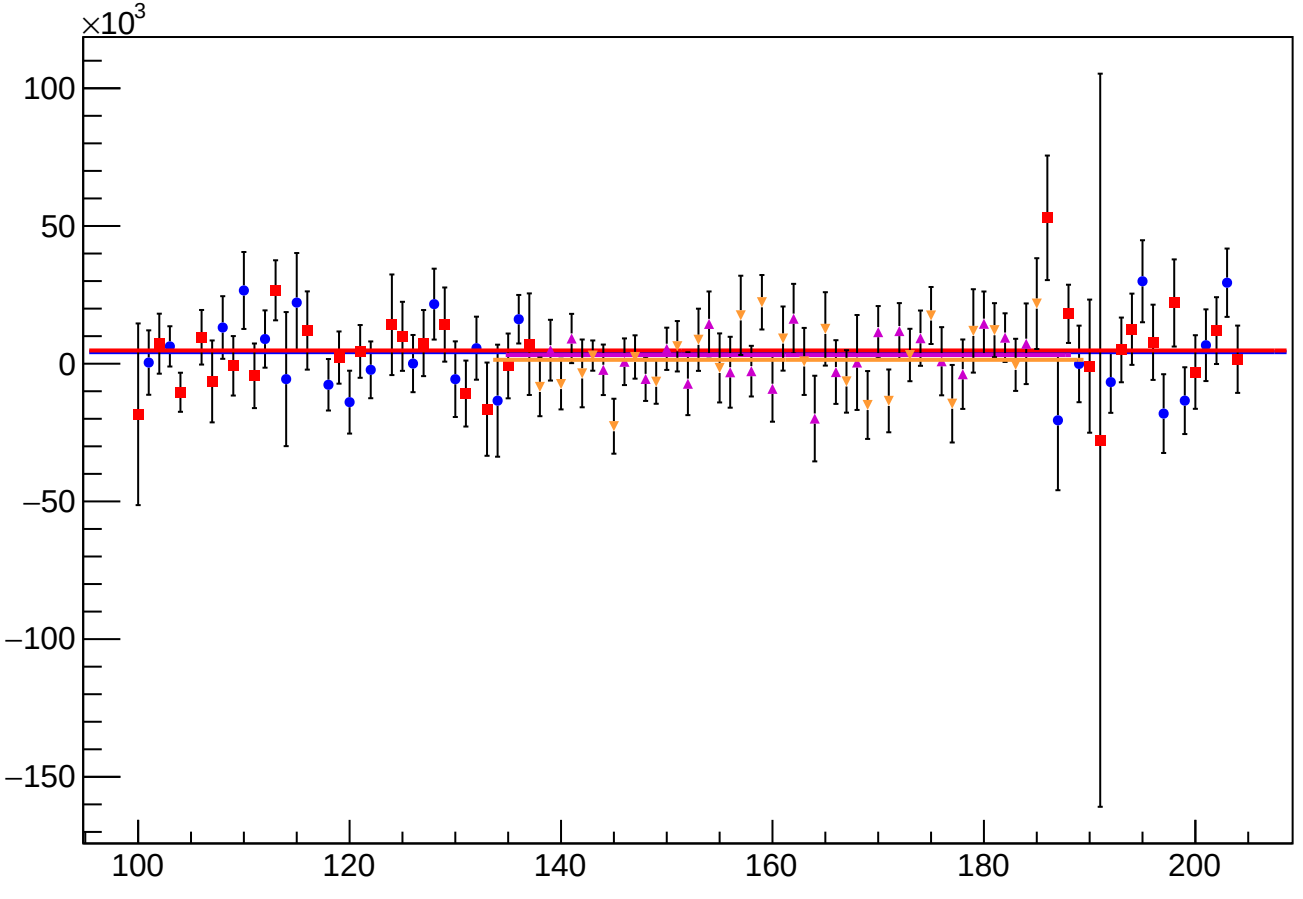
Right: 8250.225+/-1.140 χ^2/NDF: 4570826.2/53

In: 8980.846+/-1.163 χ^2/NDF:3052103.2/46

Out: 8487.727+/-1.063 χ^2/NDF:5204816.2/54

All: 8712.104+/-0.785 χ^2/NDF: 8354890.8/10

asym_at2_avg_mean vs Slug, Sign Corrected



Right In: 4185.156+/-2437.457 χ^2/NDF: 28.1/23

Left Out: 1408.316+/-2039.907 χ^2/NDF:27.4/24

Right Out: 4805.008+/-2282.272 χ^2/NDF: 24.3/29

Left In: 3139.264+/-2189.465 χ^2/NDF:13.0/22

Left: 2212.657+/-1492.506 χ^2/NDF: 40.7/47

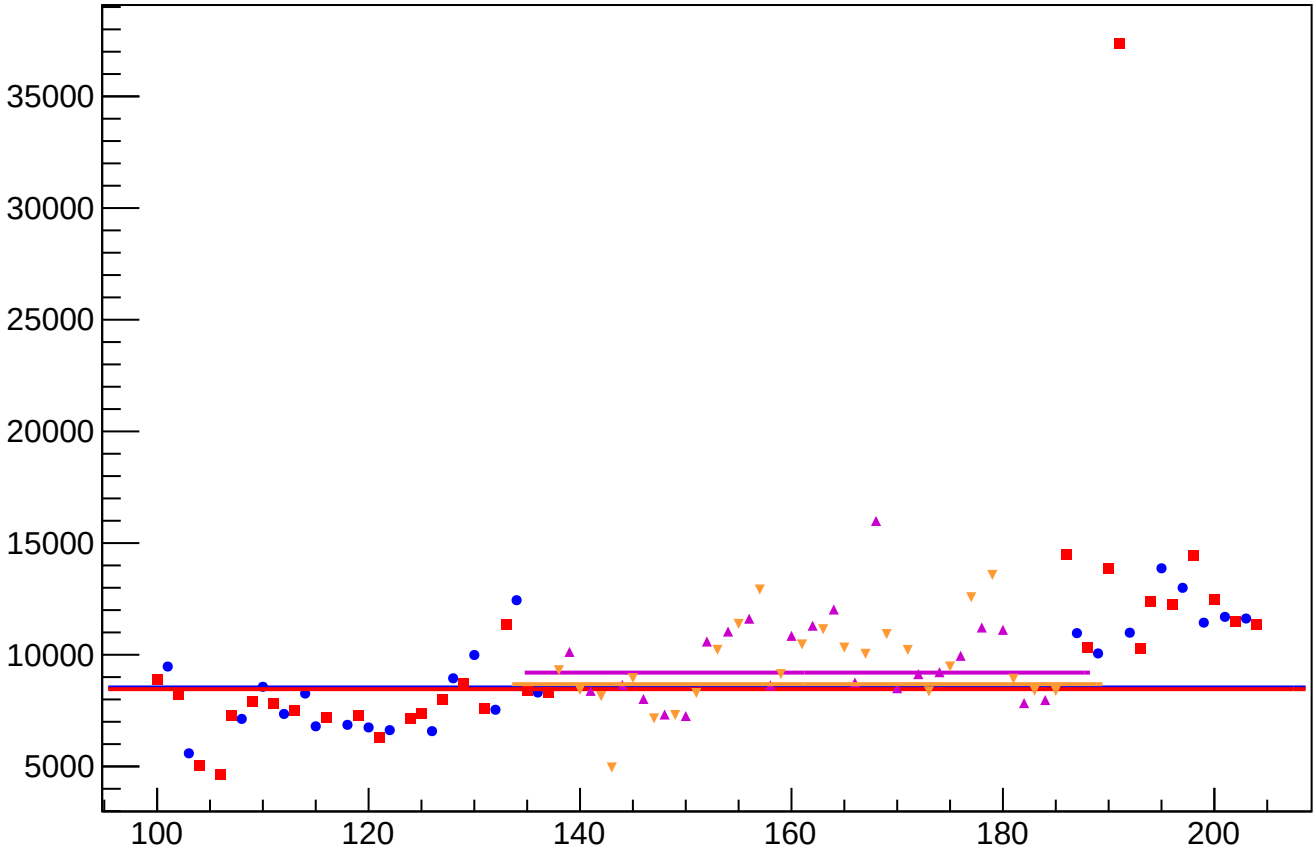
Right: 4515.441+/-1665.972 χ^2/NDF: 52.4/53

In: 3606.313+/-1628.827 χ^2/NDF:41.1/46

Out: 2916.791+/-1520.927 χ^2/NDF:52.9/54

All: 3237.959+/-1111.647 χ^2/NDF: 94.2/101

asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 8535.919+/-1.724 χ^2/NDF: 1728025.8/23

Left Out: 8684.549+/-1.442 χ^2/NDF:2051622.3/24

Right Out: 8460.606+/-1.614 χ^2/NDF: 2534081.3/29

Left In: 9200.796+/-1.548 χ^2/NDF:1129421.3/22

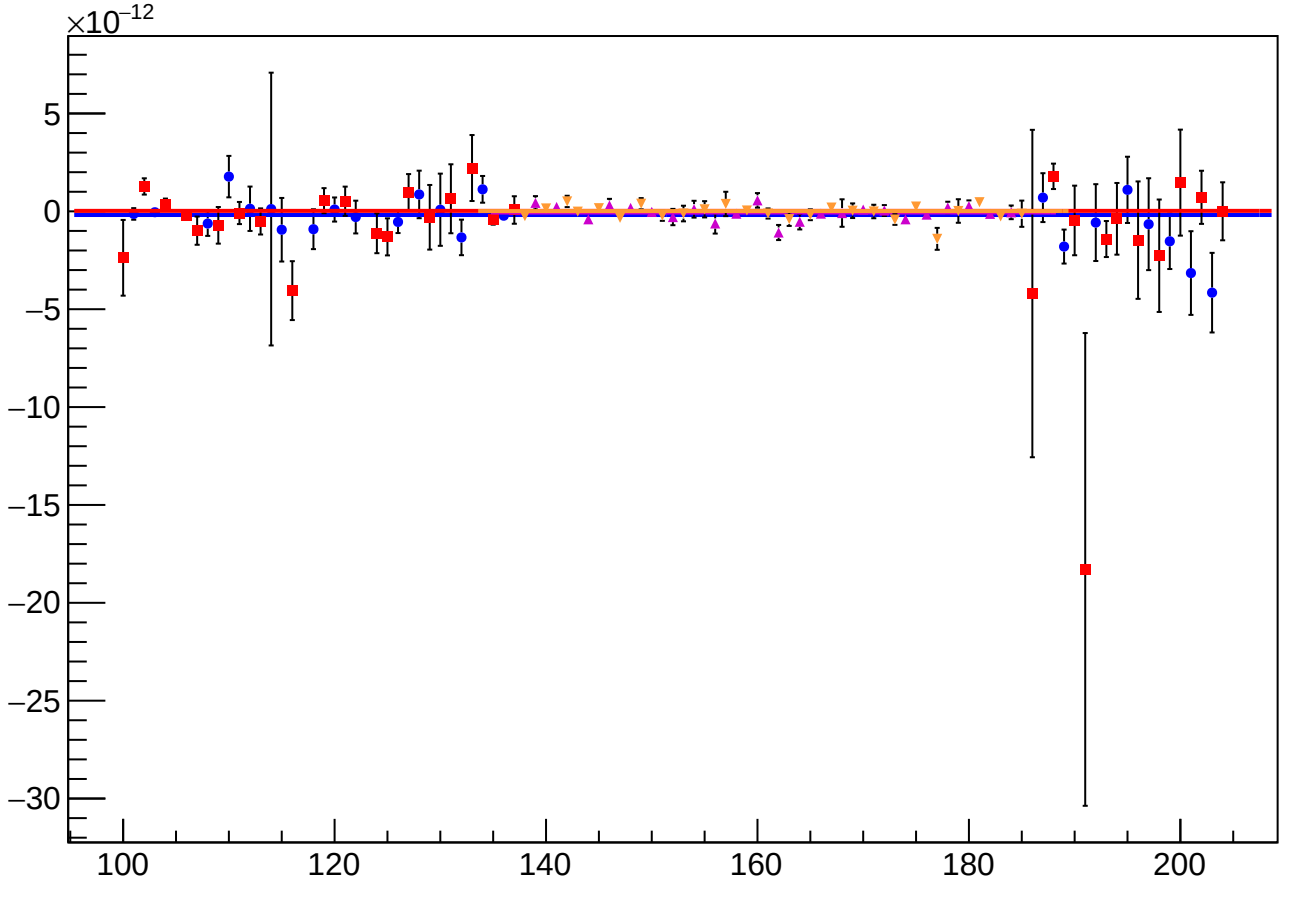
Left: 8924.440+/-1.055 χ^2/NDF: 3240566.0/47

Right: 8495.787+/-1.178 χ^2/NDF: 4263124.5/53

In: 8903.889+/-1.152 χ^2/NDF:2939807.1/46

Out: 8585.089+/-1.075 χ^2/NDF:4596408.7/54

All: 8733.577+/-0.786 χ^2/NDF: 7577146.1/10



Right In: -0.000+/-0.000 χ^2/NDF: 23.0/23

Left Out: 0.000+/-0.000 χ^2/NDF:28.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 46.8/29

Left In: -0.000+/-0.000 χ^2/NDF:27.8/22

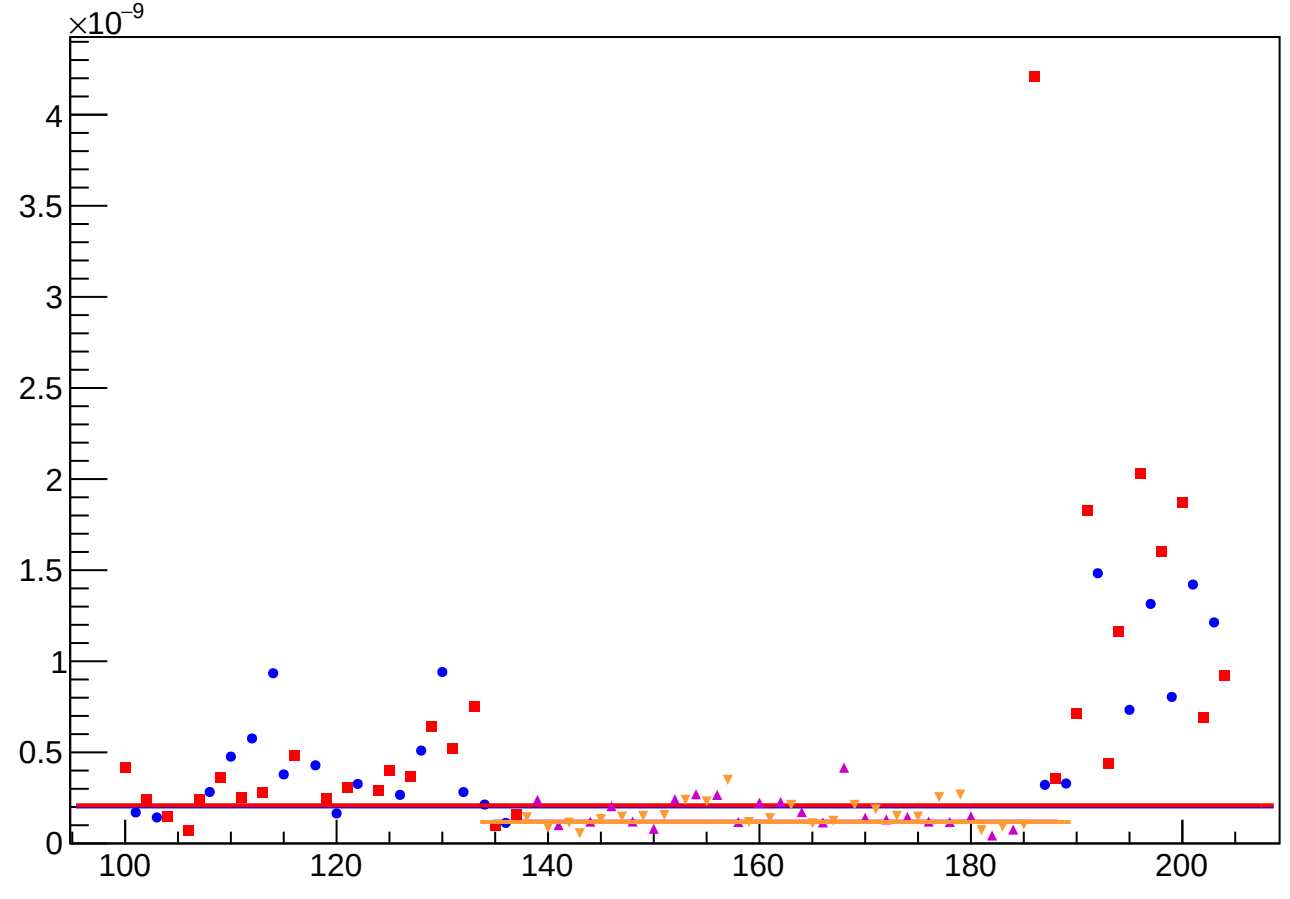
Left: -0.000+/-0.000 χ^2/NDF: 57.7/47

Right: -0.000+/-0.000 χ^2/NDF: 71.4/53

In: -0.000+/-0.000 χ^2/NDF:51.8/46

Out: 0.000+/-0.000 χ^2/NDF:75.6/54

All: -0.000+/-0.000 χ^2/NDF: 129.6/101



Right In: 0.000+/-0.000 χ^2/NDF: 4678647.3/23

Left Out: 0.000+/-0.000 χ^2/NDF:2335885.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5908840.0/29

Left In: 0.000+/-0.000 χ^2/NDF:2660632.2/22

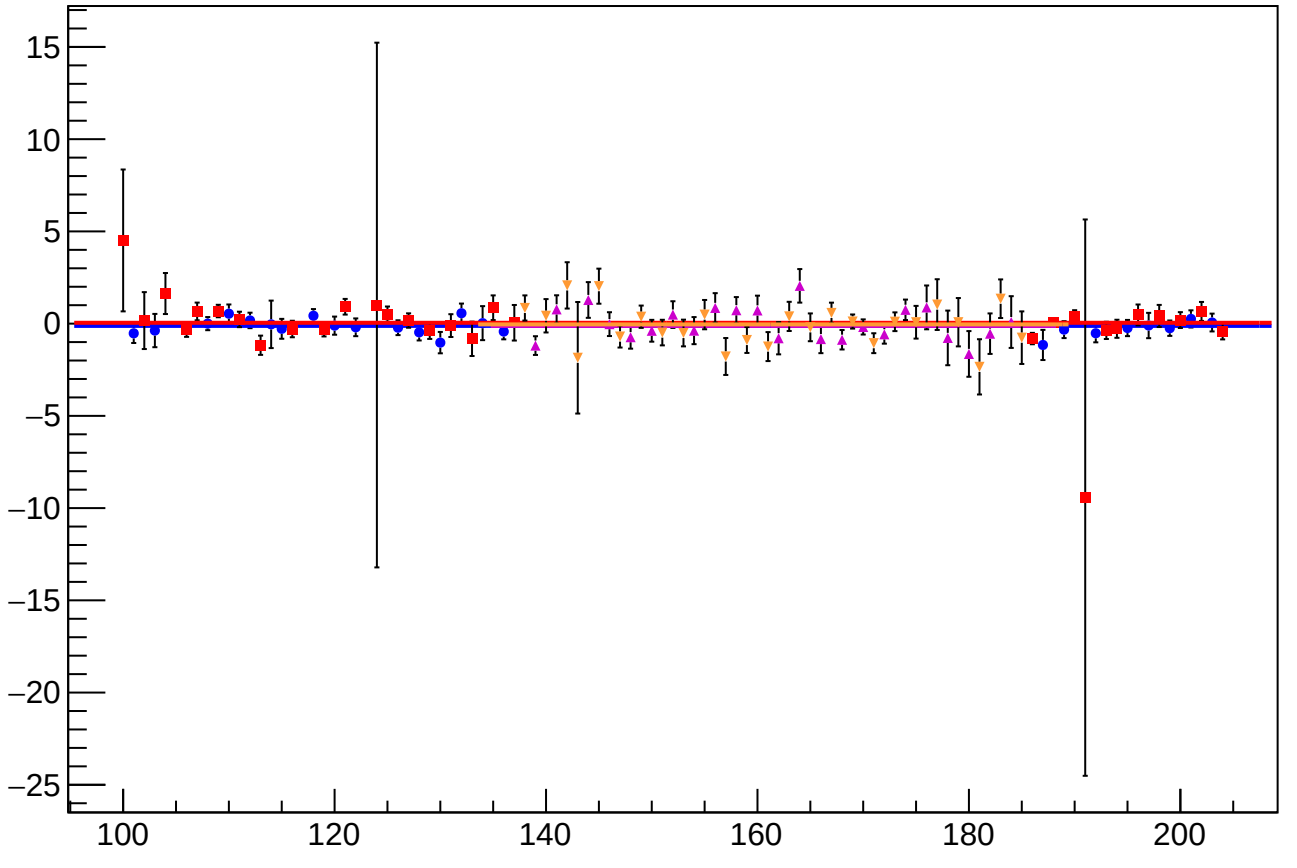
Left: 0.000+/-0.000 χ^2/NDF: 4998299.1/47

Right: 0.000+/-0.000 χ^2/NDF: 10590560.7/53

In: 0.000+/-0.000 χ^2/NDF:8187205.6/46

Out: 0.000+/-0.000 χ^2/NDF:9277078.2/54

All: 0.000+/-0.000 χ^2/NDF: 17467134.3/101



Right In: -0.123+/-0.100 χ^2/NDF: 14.3/23

Left Out: -0.041+/-0.148 χ^2/NDF:30.1/24

Right Out: 0.046+/-0.081 χ^2/NDF: 39.5/29

Left In: -0.128+/-0.145 χ^2/NDF:29.0/22

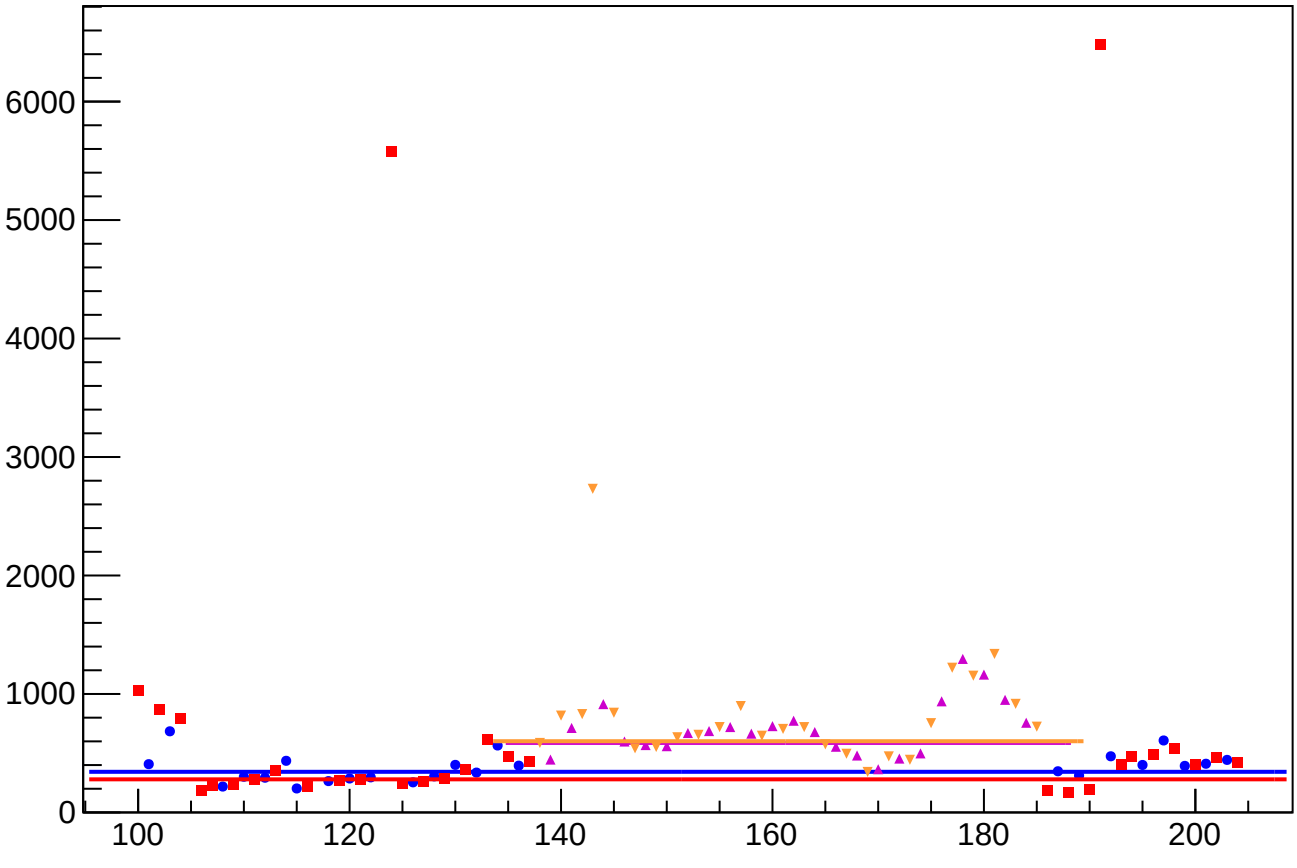
Left: -0.085+/-0.103 χ^2/NDF: 59.3/47

Right: -0.021+/-0.063 χ^2/NDF: 55.5/53

In: -0.125+/-0.082 χ^2/NDF:43.3/46

Out: 0.026+/-0.071 χ^2/NDF:69.9/54

All: -0.038+/-0.054 χ^2/NDF: 115.1/101



Right In: 343.044+/-0.071 χ^2/NDF: 1810973.5/23

Left Out: 601.214+/-0.104 χ^2/NDF:4460456.7/24

Right Out: 279.501+/-0.058 χ^2/NDF: 4979185.5/29

Left In: 586.817+/-0.103 χ^2/NDF:2934488.2/22

Left: 593.901+/-0.073 χ^2/NDF: 7404620.8/47

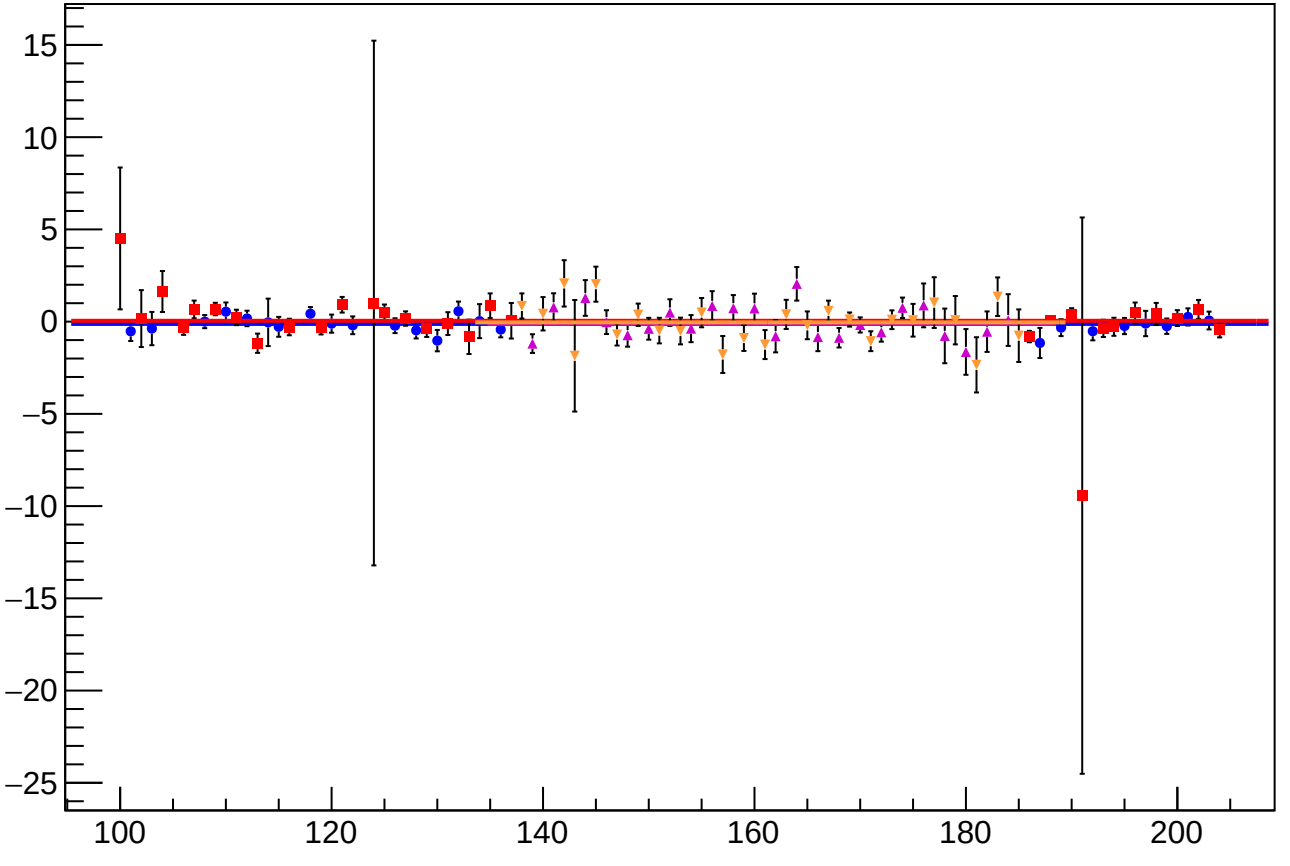
Right: 304.770+/-0.045 χ^2/NDF: 7274873.5/53

In: 421.658+/-0.058 χ^2/NDF:8564846.4/46

Out: 354.588+/-0.050 χ^2/NDF:16731814.9/54

All: 383.267+/-0.038 χ^2/NDF: 26054100.8/10

asym_at2_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.123+/-0.100 χ^2/NDF: 14.3/23

Left Out: -0.041+/-0.148 χ^2/NDF:30.1/24

Right Out: 0.046+/-0.081 χ^2/NDF: 39.5/29

Left In: -0.128+/-0.145 χ^2/NDF:29.0/22

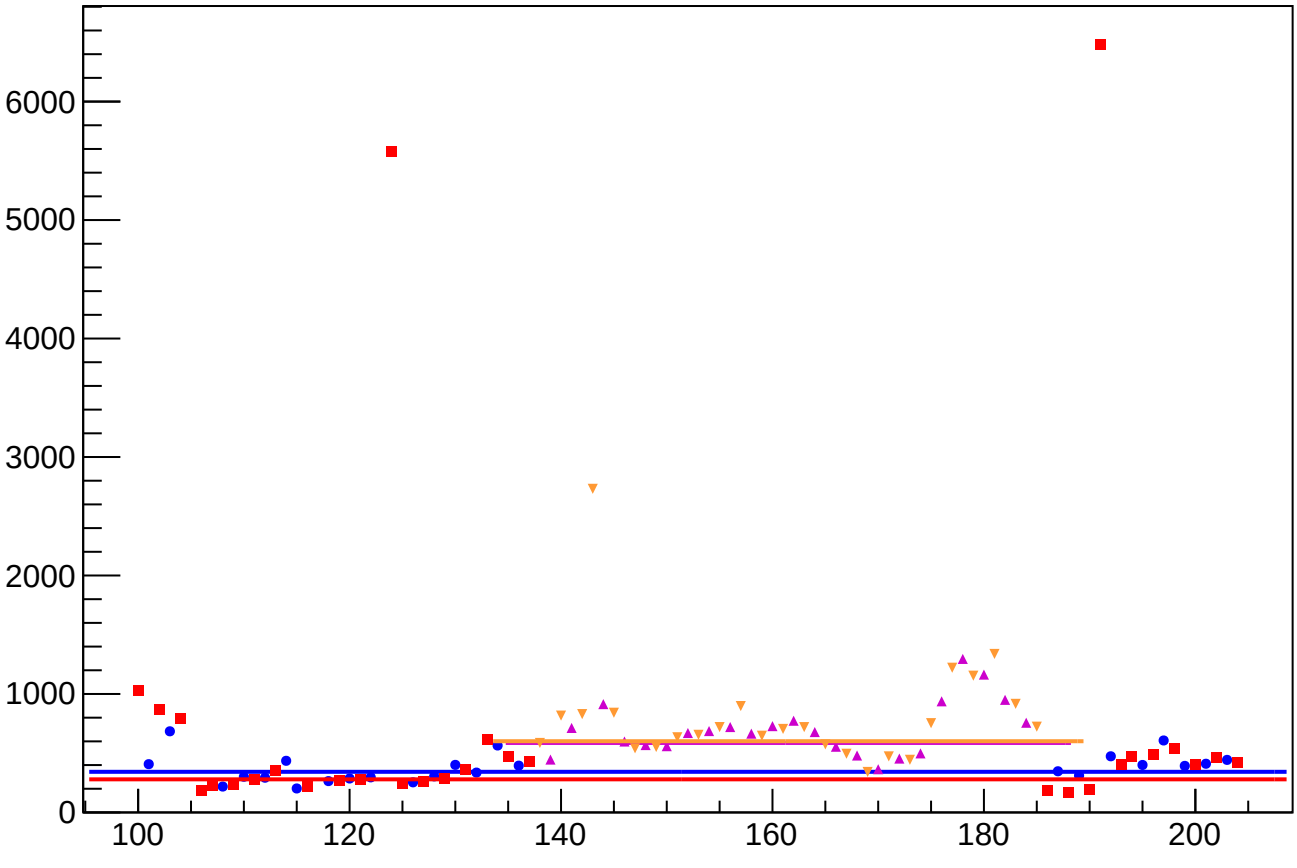
Left: -0.085+/-0.103 χ^2/NDF: 59.3/47

Right: -0.021+/-0.063 χ^2/NDF: 55.5/53

In: -0.125+/-0.082 χ^2/NDF:43.3/46

Out: 0.026+/-0.071 χ^2/NDF:69.9/54

All: -0.038+/-0.054 χ^2/NDF: 115.1/101



Right In: 343.044+/-0.071 χ^2/NDF: 1810973.5/23

Left Out: 601.214+/-0.104 χ^2/NDF:4460456.7/24

Right Out: 279.501+/-0.058 χ^2/NDF: 4979185.5/29

Left In: 586.817+/-0.103 χ^2/NDF:2934488.2/22

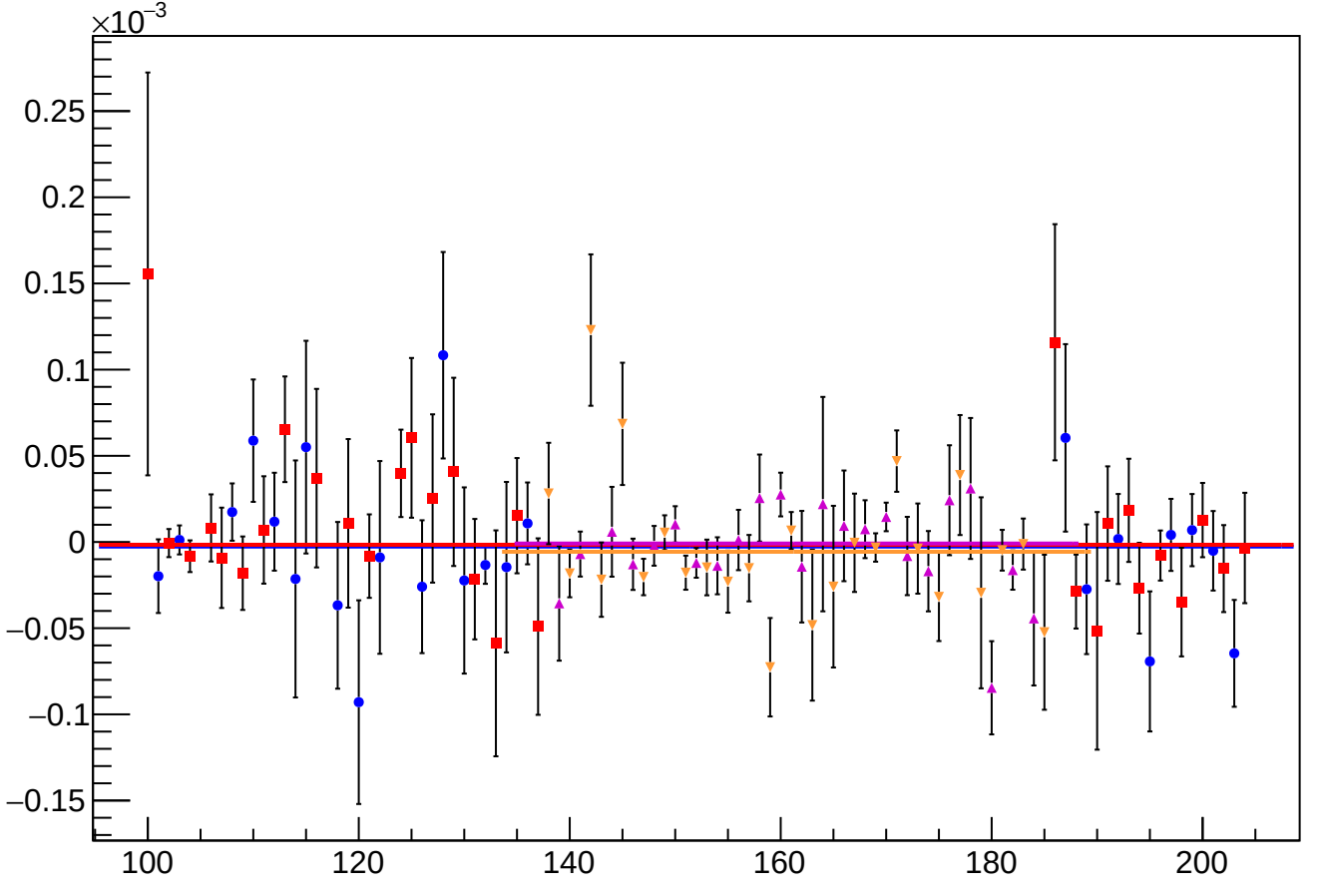
Left: 593.901+/-0.073 χ^2/NDF: 7404620.8/47

Right: 304.770+/-0.045 χ^2/NDF: 7274873.5/53

In: 421.658+/-0.058 χ^2/NDF:8564846.4/46

Out: 354.588+/-0.050 χ^2/NDF:16731814.9/54

All: 383.267+/-0.038 χ^2/NDF: 26054100.8/10



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

Left Out: -0.000+/-0.000 χ^2/NDF:42.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 25.0/29

Left In: -0.000+/-0.000 χ^2/NDF:30.2/22

Left: -0.000+/-0.000 χ^2/NDF: 73.9/47

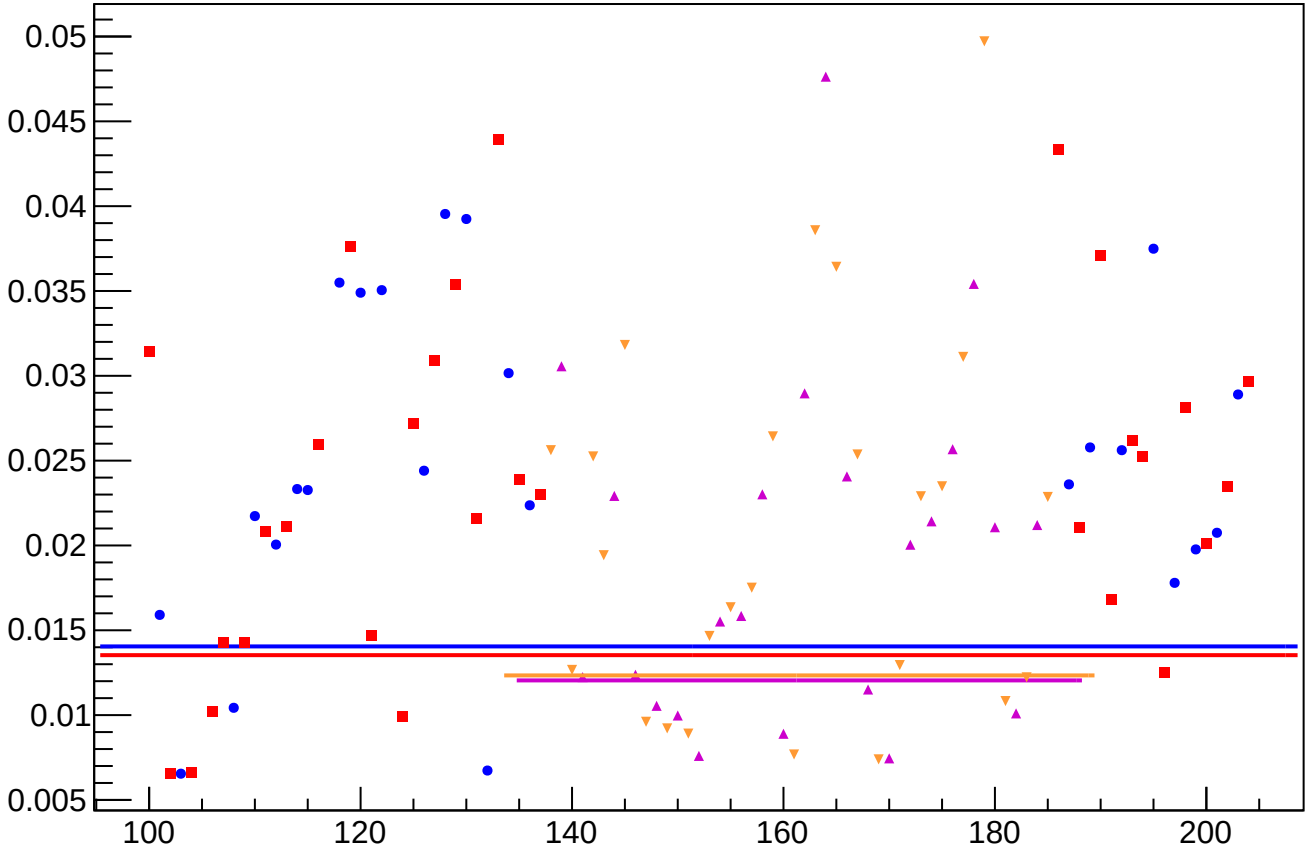
Right: -0.000+/-0.000 χ^2/NDF: 48.5/53

In: -0.000+/-0.000 χ^2/NDF:53.7/46

Out: -0.000+/-0.000 χ^2/NDF:68.2/54

All: -0.000+/-0.000 χ^2/NDF: 122.4/101

asym_at2_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 7338037.9/23

Left Out: 0.012+/-0.000 χ^2/NDF:7839123.8/24

Right Out: 0.014+/-0.000 χ^2/NDF: 8194126.3/29

Left In: 0.012+/-0.000 χ^2/NDF:6379401.9/22

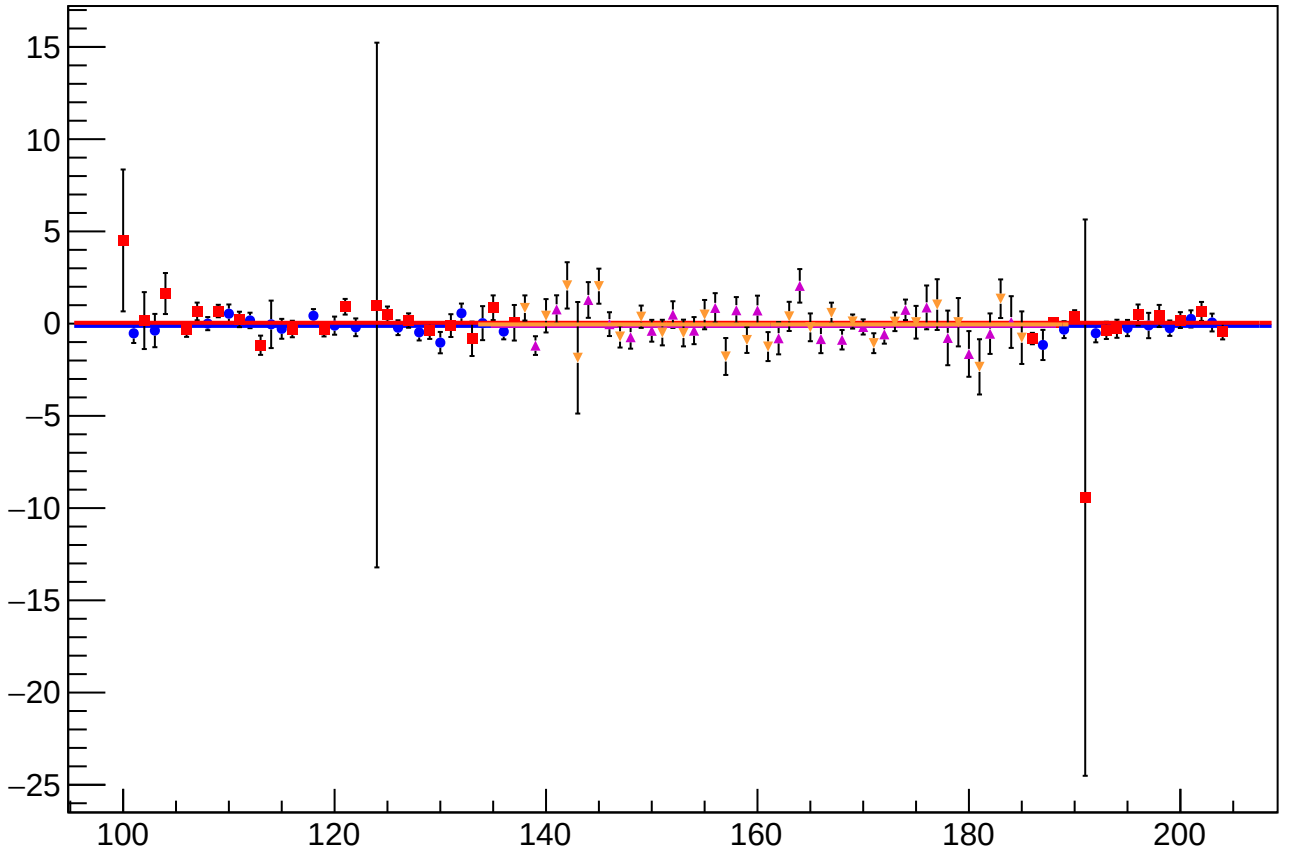
Left: 0.012+/-0.000 χ^2/NDF: 14226676.0/47

Right: 0.014+/-0.000 χ^2/NDF: 15545882.1/53

In: 0.013+/-0.000 χ^2/NDF:13964232.3/46

Out: 0.013+/-0.000 χ^2/NDF:16137089.0/54

All: 0.013+/-0.000 χ^2/NDF: 30102522.8/101



Right In: -0.123+/-0.100 χ^2/NDF: 14.3/23

Left Out: -0.041+/-0.148 χ^2/NDF:30.1/24

Right Out: 0.046+/-0.081 χ^2/NDF: 39.5/29

Left In: -0.128+/-0.145 χ^2/NDF:29.0/22

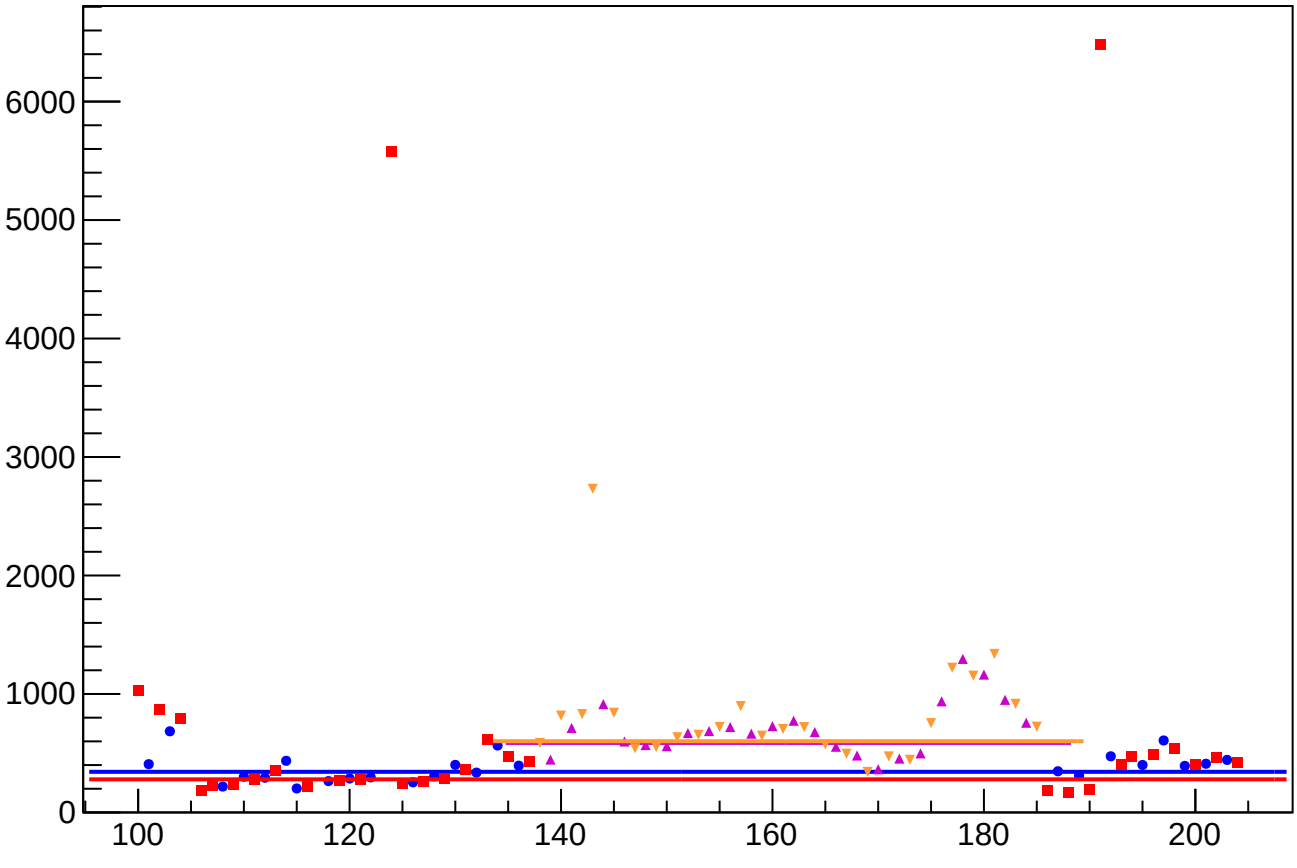
Left: -0.085+/-0.103 χ^2/NDF: 59.3/47

Right: -0.021+/-0.063 χ^2/NDF: 55.5/53

In: -0.125+/-0.082 χ^2/NDF:43.3/46

Out: 0.026+/-0.071 χ^2/NDF:69.9/54

All: -0.038+/-0.054 χ^2/NDF: 115.1/101



Right In: 343.043+/-0.071 χ^2/NDF: 1810969.5/23

Left Out: 601.214+/-0.104 χ^2/NDF:4460662.1/24

Right Out: 279.494+/-0.058 χ^2/NDF: 4979516.4/29

Left In: 586.820+/-0.103 χ^2/NDF:2934613.3/22

Left: 593.903+/-0.073 χ^2/NDF: 7404947.7/47

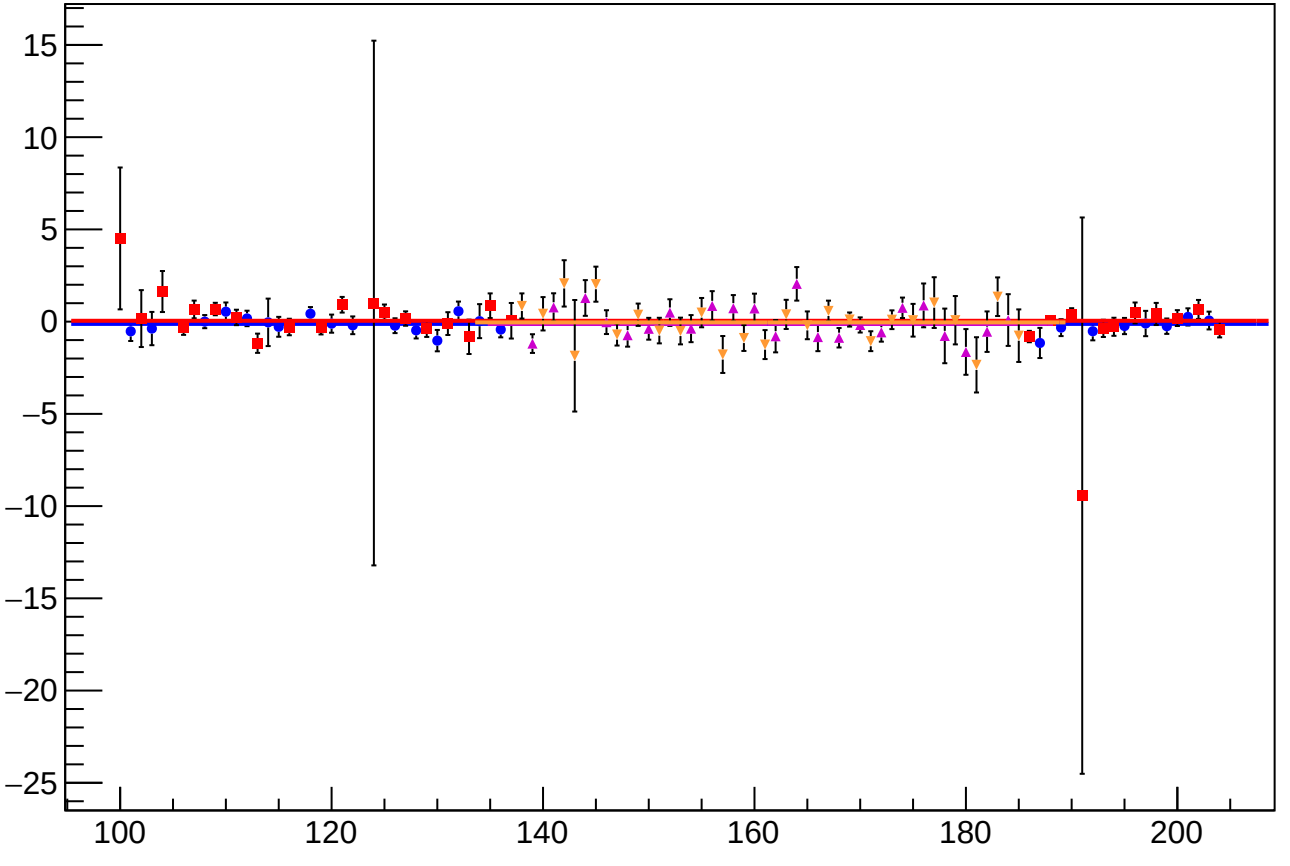
Right: 304.765+/-0.045 χ^2/NDF: 7275294.6/53

In: 421.657+/-0.058 χ^2/NDF:8565062.2/46

Out: 354.580+/-0.050 χ^2/NDF:16732686.7/54

All: 383.262+/-0.038 χ^2/NDF: 26055343.2/10

asym_at2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.123+/-0.100 χ^2/NDF: 14.3/23

Left Out: -0.041+/-0.148 χ^2/NDF:30.1/24

Right Out: 0.046+/-0.081 χ^2/NDF: 39.5/29

Left In: -0.128+/-0.145 χ^2/NDF:29.0/22

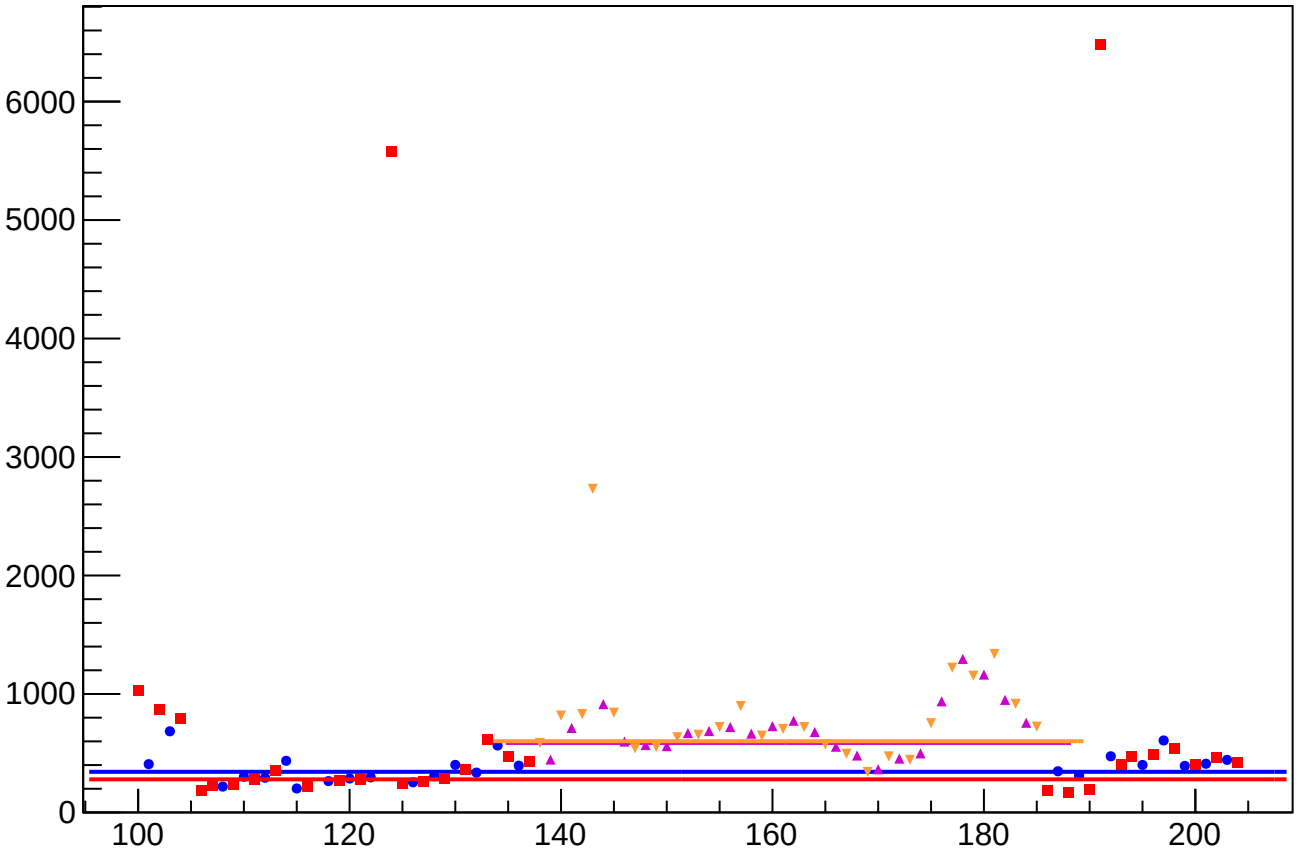
Left: -0.085+/-0.103 χ^2/NDF: 59.3/47

Right: -0.021+/-0.063 χ^2/NDF: 55.5/53

In: -0.125+/-0.082 χ^2/NDF:43.3/46

Out: 0.026+/-0.071 χ^2/NDF:69.9/54

All: -0.038+/-0.054 χ^2/NDF: 115.1/101



Right In: 343.043+/-0.071 χ^2/NDF: 1810969.5/23

Left Out: 601.214+/-0.104 χ^2/NDF:4460662.1/24

Right Out: 279.494+/-0.058 χ^2/NDF: 4979516.4/29

Left In: 586.820+/-0.103 χ^2/NDF:2934613.3/22

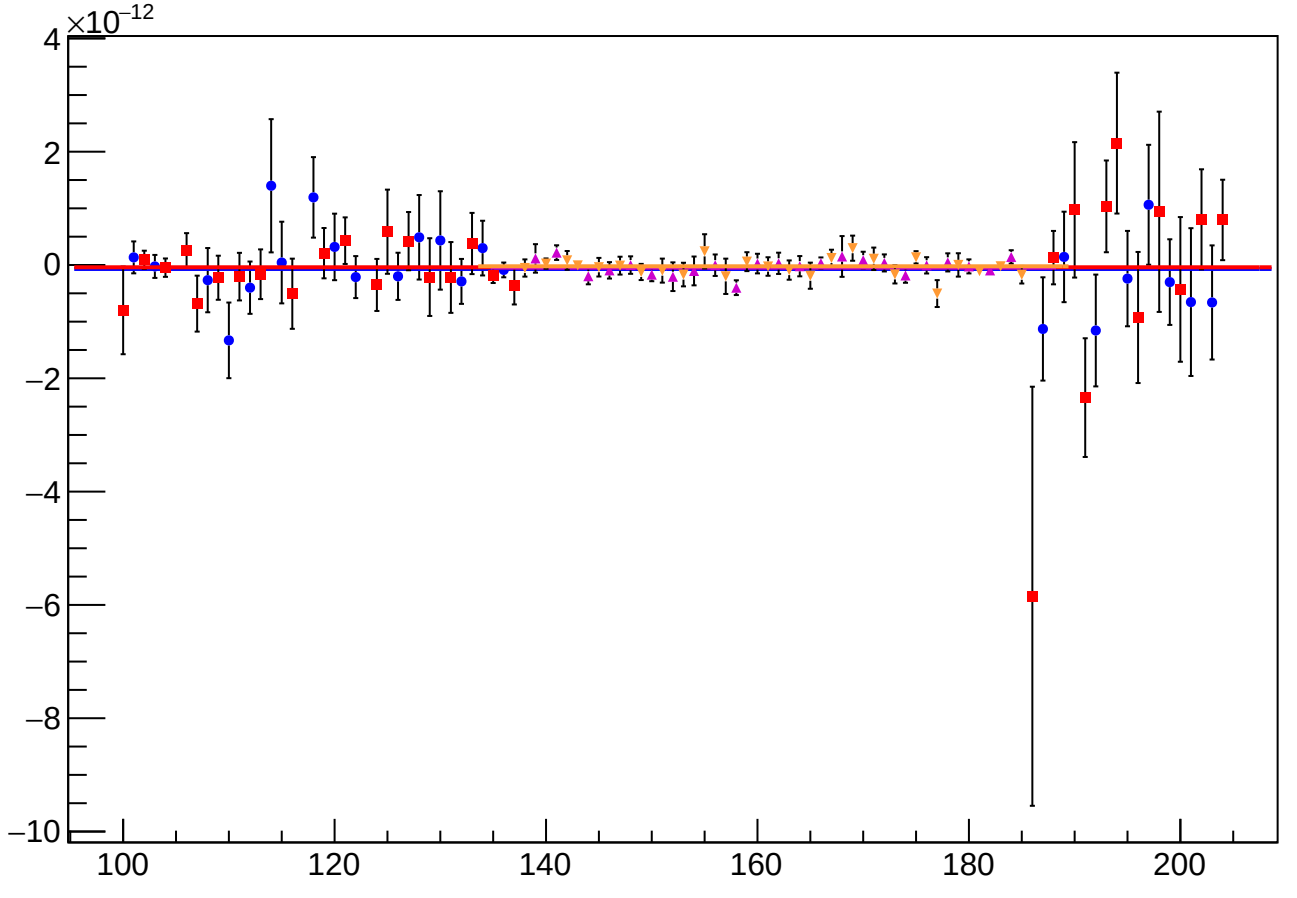
Left: 593.903+/-0.073 χ^2/NDF: 7404947.7/47

Right: 304.765+/-0.045 χ^2/NDF: 7275294.6/53

In: 421.657+/-0.058 χ^2/NDF:8565062.2/46

Out: 354.580+/-0.050 χ^2/NDF:16732686.7/54

All: 383.262+/-0.038 χ^2/NDF: 26055343.2/10



Right In: -0.000+/-0.000 χ^2/NDF: 16.5/23

Left Out: -0.000+/-0.000 χ^2/NDF:16.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 27.8/29

Left In: -0.000+/-0.000 χ^2/NDF:22.0/22

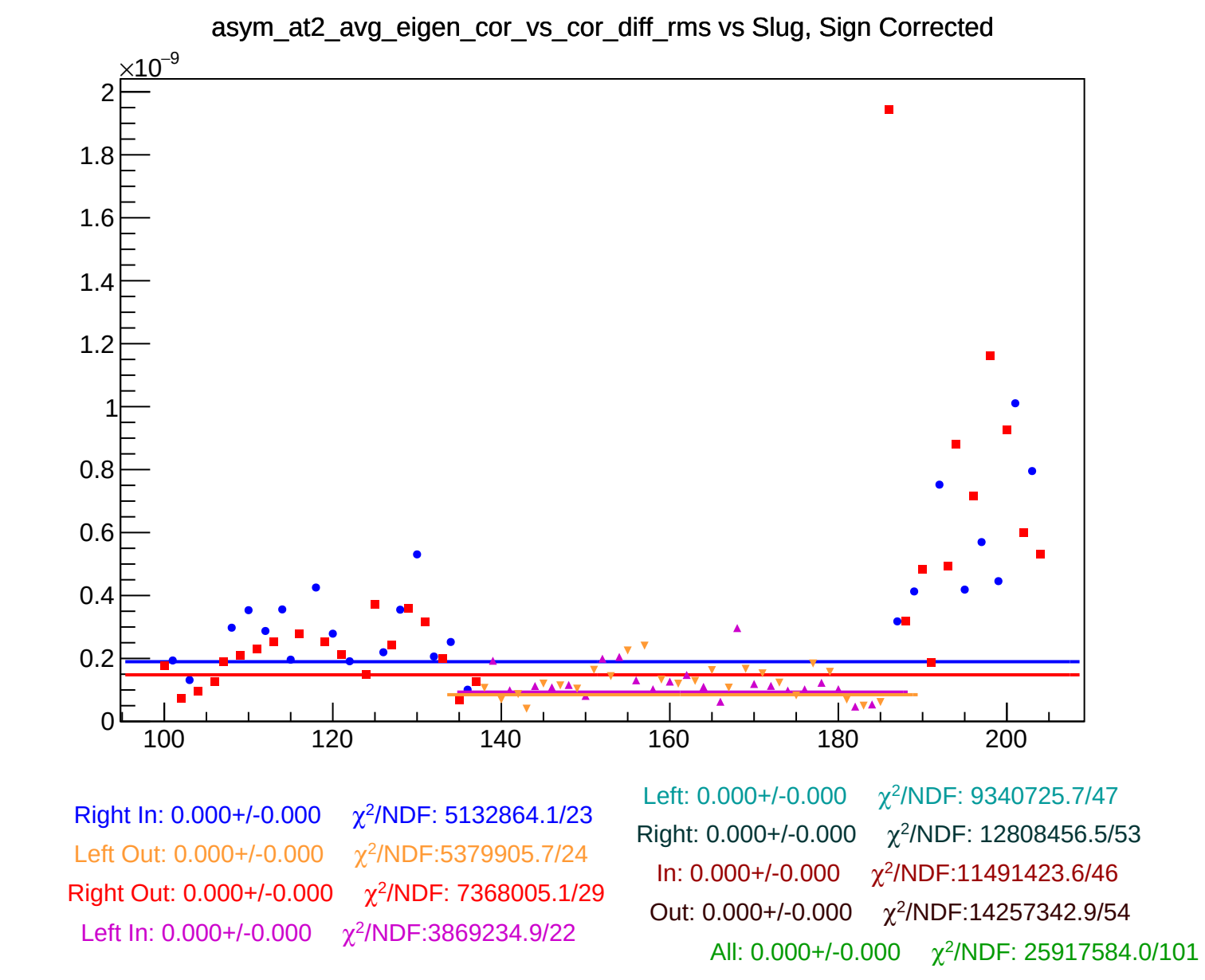
Left: -0.000+/-0.000 χ^2/NDF: 38.7/47

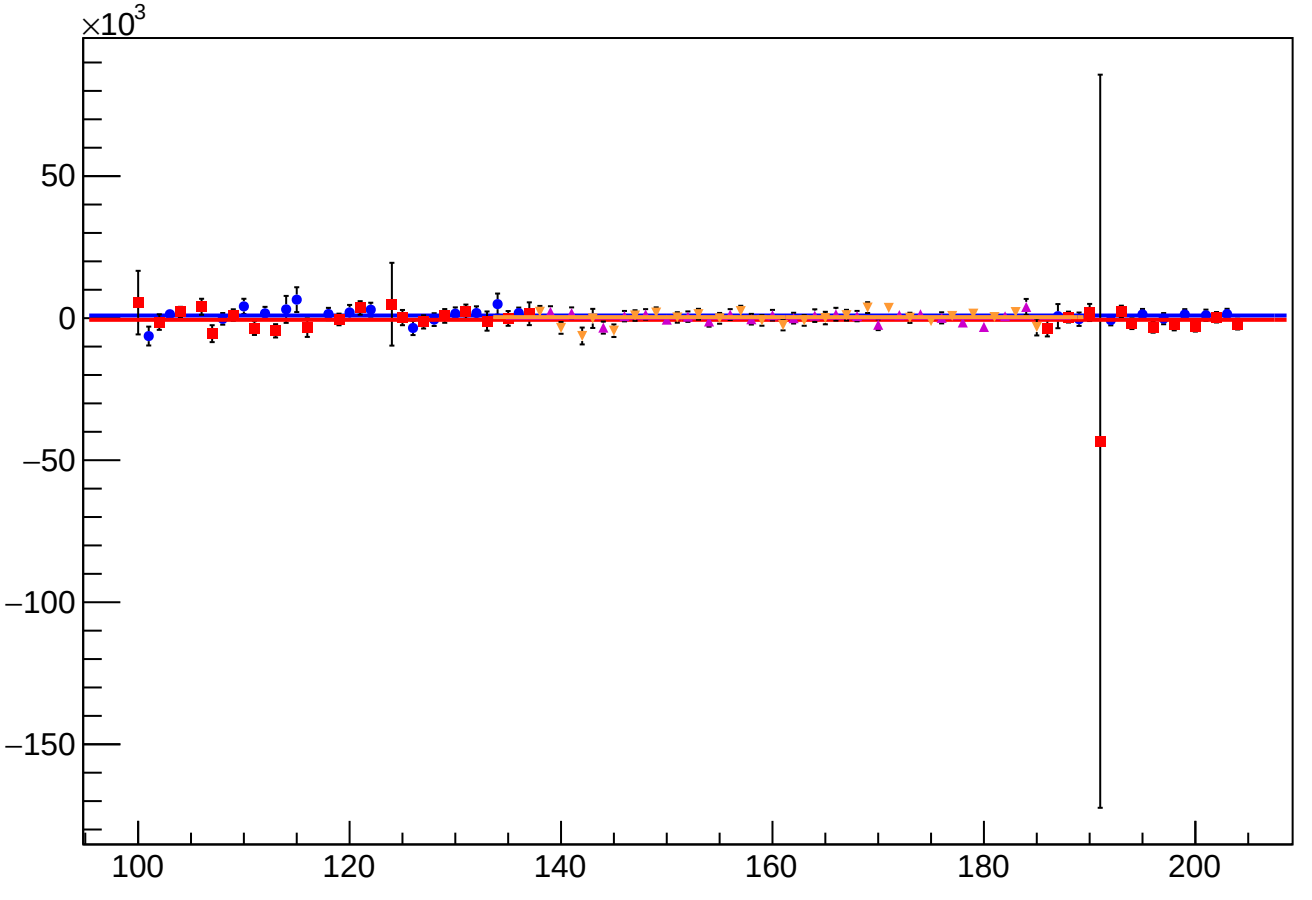
Right: -0.000+/-0.000 χ^2/NDF: 44.4/53

In: -0.000+/-0.000 χ^2/NDF:38.5/46

Out: -0.000+/-0.000 χ^2/NDF:44.2/54

All: -0.000+/-0.000 χ^2/NDF: 83.2/101


asym_at2_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 5132864.1/23
Left Out: 0.000+/-0.000 χ²/NDF:5379905.7/24
Right Out: 0.000+/-0.000 χ²/NDF: 7368005.1/29
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: 12808456.5/53
In: 0.000+/-0.000 χ²/NDF:11491423.6/46
Out: 0.000+/-0.000 χ²/NDF:14257342.9/54
All: 0.000+/-0.000 χ²/NDF: 25917584.0/101



Right In: 931.456+/-466.992 χ^2/NDF: 16.2/23

Left Out: 361.645+/-388.131 χ^2/NDF:29.6/24

Right Out: -584.645+/-440.739 χ^2/NDF: 28.6/29

Left In: 157.028+/-394.257 χ^2/NDF:16.0/22

Left: 260.939+/-276.591 χ^2/NDF: 45.7/47

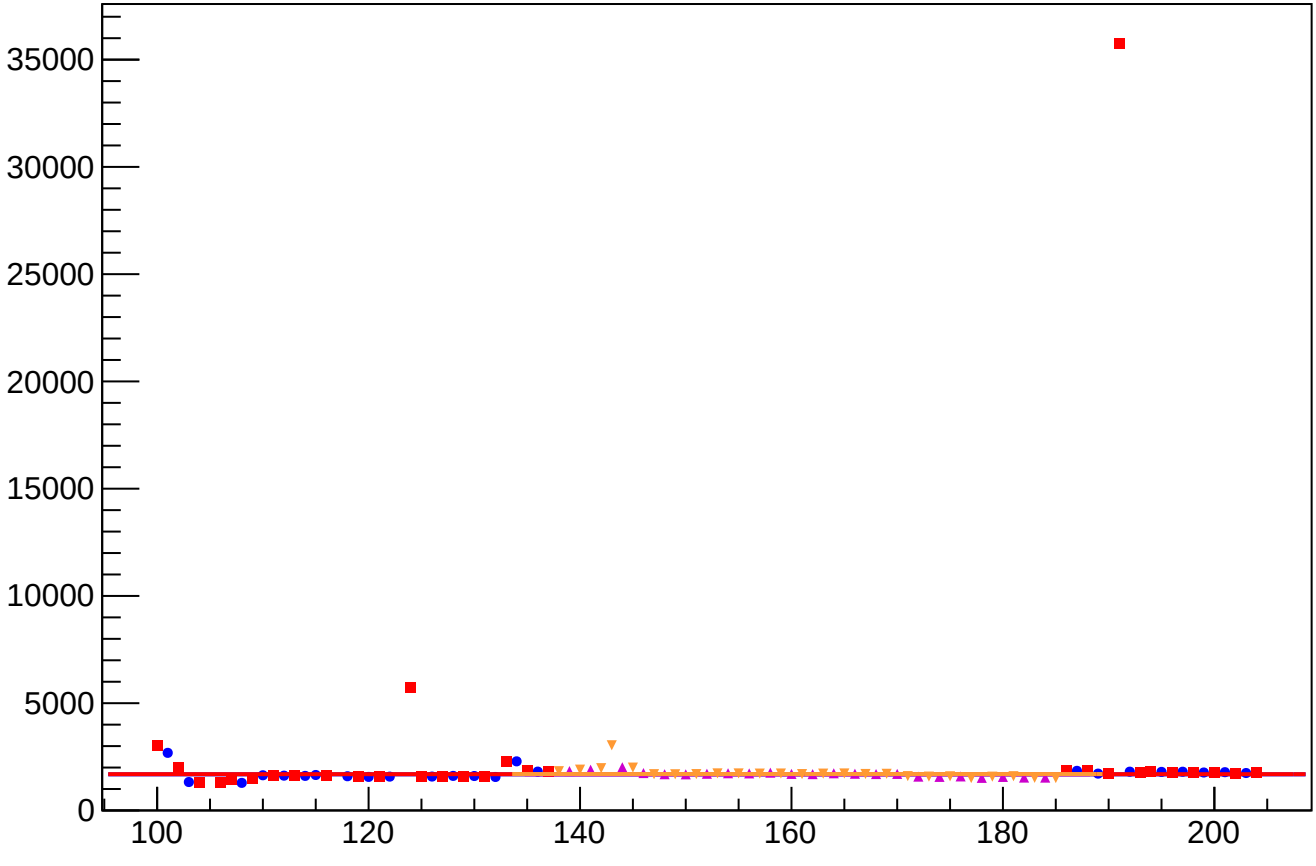
Right: 129.593+/-320.529 χ^2/NDF: 50.3/53

In: 479.303+/-301.254 χ^2/NDF:33.8/46

Out: -51.681+/-291.283 χ^2/NDF:60.7/54

All: 204.879+/-209.404 χ^2/NDF: 96.1/101

reg_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1682.184+/-0.330 χ^2/NDF: 469683.4/23

Left Out: 1697.496+/-0.274 χ^2/NDF:495397.9/24

Right Out: 1691.102+/-0.312 χ^2/NDF: 670828.1/29

Left In: 1684.577+/-0.279 χ^2/NDF:165355.7/22

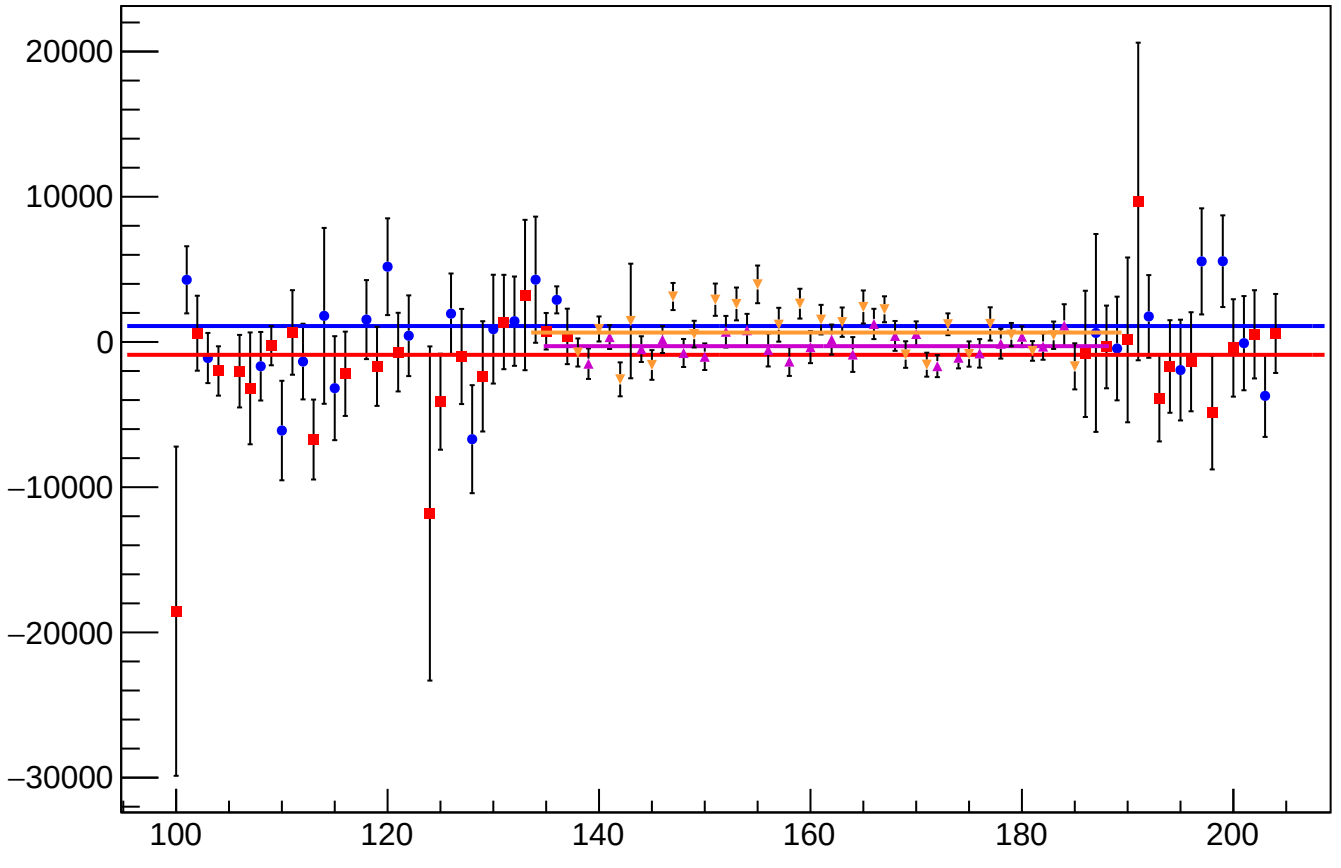
Left: 1691.137+/-0.196 χ^2/NDF: 661844.1/47

Right: 1686.901+/-0.227 χ^2/NDF: 1140897.2/53

In: 1683.581+/-0.213 χ^2/NDF:635069.7/46

Out: 1694.703+/-0.206 χ^2/NDF:1166463.1/54

All: 1689.329+/-0.148 χ^2/NDF: 1802941.6/10



Right In: 1096.625+/-520.975 χ^2/NDF: 29.5/23

Left Out: 649.165+/-195.671 χ^2/NDF:65.5/24

Right Out: -885.120+/-492.135 χ^2/NDF: 17.9/29

Left In: -288.616+/-198.494 χ^2/NDF:16.6/22

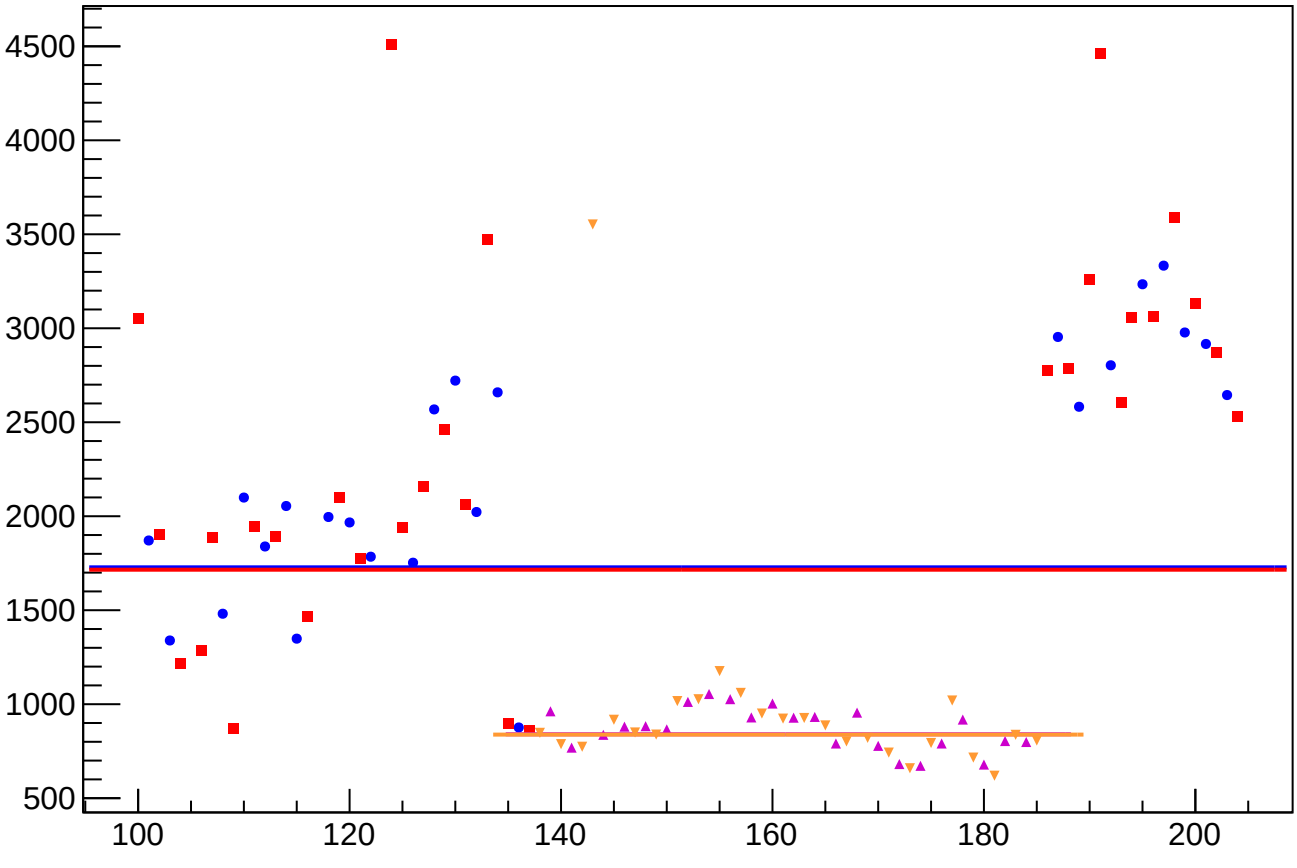
Left: 186.992+/-139.348 χ^2/NDF: 93.4/47

Right: 49.383+/-357.753 χ^2/NDF: 55.1/53

In: -113.018+/-185.487 χ^2/NDF:52.3/46

Out: 439.730+/-181.826 χ^2/NDF:91.8/54

All: 168.865+/-129.845 χ^2/NDF: 148.6/101



Right In: 1728.146+/-0.368 χ^2/NDF: 4266564.4/23

Left Out: 838.243+/-0.138 χ^2/NDF:1800245.5/24

Right Out: 1715.558+/-0.348 χ^2/NDF: 5679378.0/29

Left In: 839.976+/-0.140 χ^2/NDF:669341.7/22

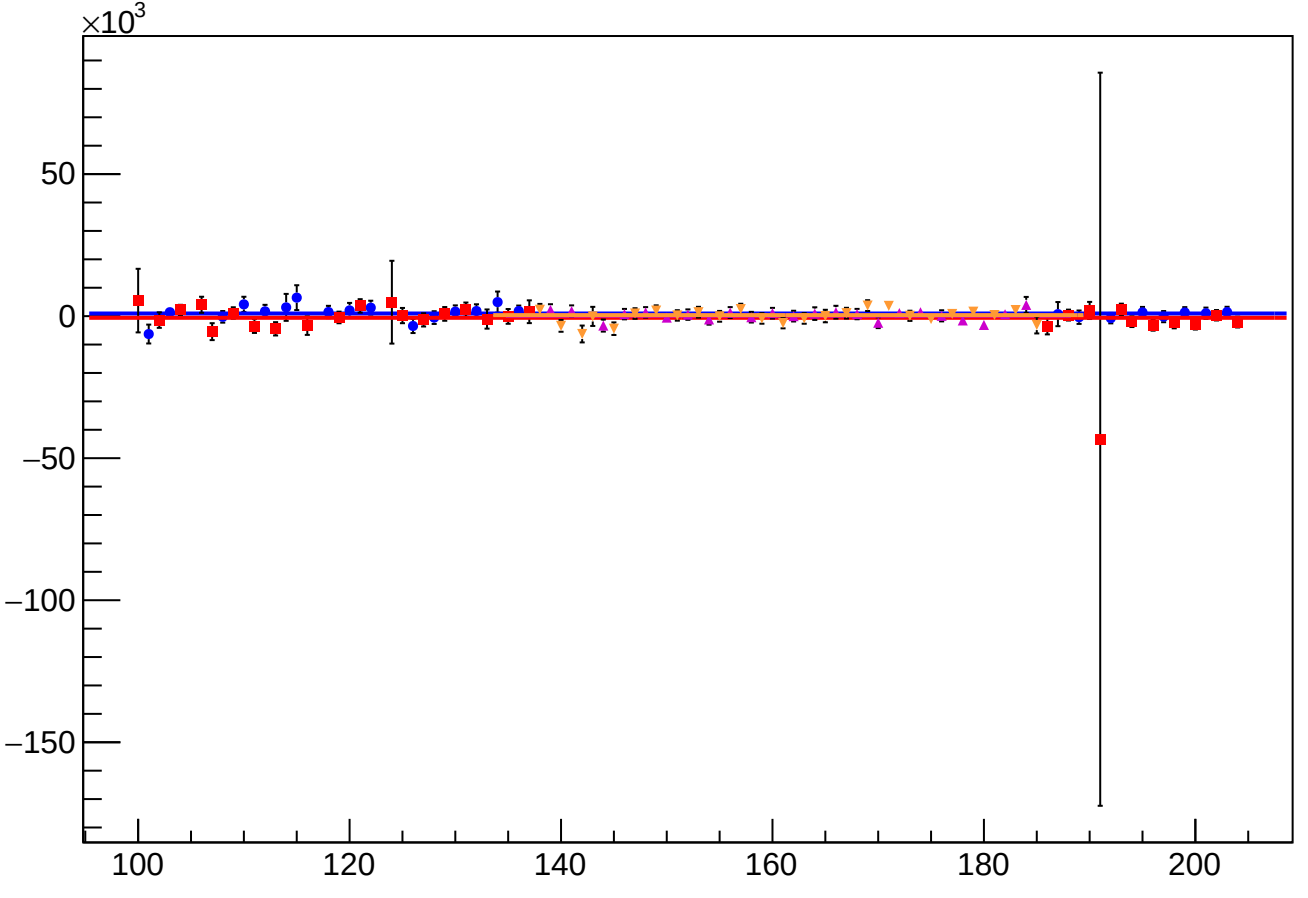
Left: 839.097+/-0.099 χ^2/NDF: 2469664.6/47

Right: 1721.494+/-0.253 χ^2/NDF: 9946559.4/53

In: 952.563+/-0.131 χ^2/NDF:10011881.5/46

Out: 957.999+/-0.129 χ^2/NDF:12967878.1/54

All: 955.335+/-0.092 χ^2/NDF: 22980635.7/10



Right In: 931.483+/-466.992 χ^2/NDF: 16.2/23

Left Out: 361.560+/-388.131 χ^2/NDF:29.6/24

Right Out: -584.817+/-440.739 χ^2/NDF: 28.6/29

Left In: 156.934+/-394.258 χ^2/NDF:16.0/22

Left: 260.849+/-276.591 χ^2/NDF: 45.7/47

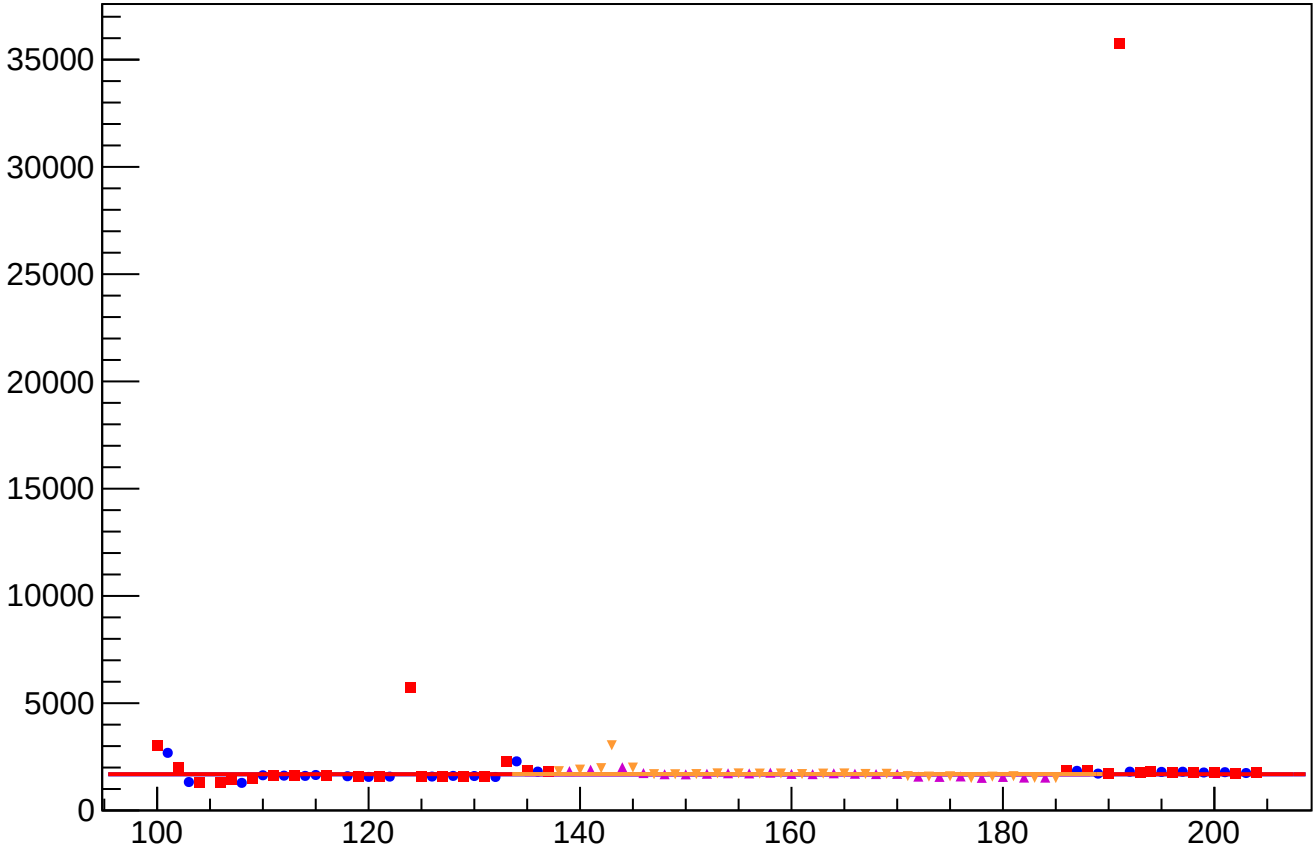
Right: 129.515+/-320.529 χ^2/NDF: 50.3/53

In: 479.259+/-301.254 χ^2/NDF:33.8/46

Out: -51.804+/-291.283 χ^2/NDF:60.7/54

All: 204.794+/-209.404 χ^2/NDF: 96.1/101

cor_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1682.184+/-0.330 χ^2/NDF: 469683.7/23

Left Out: 1697.496+/-0.274 χ^2/NDF:495397.9/24

Right Out: 1691.102+/-0.312 χ^2/NDF: 670828.3/29

Left In: 1684.577+/-0.279 χ^2/NDF:165355.7/22

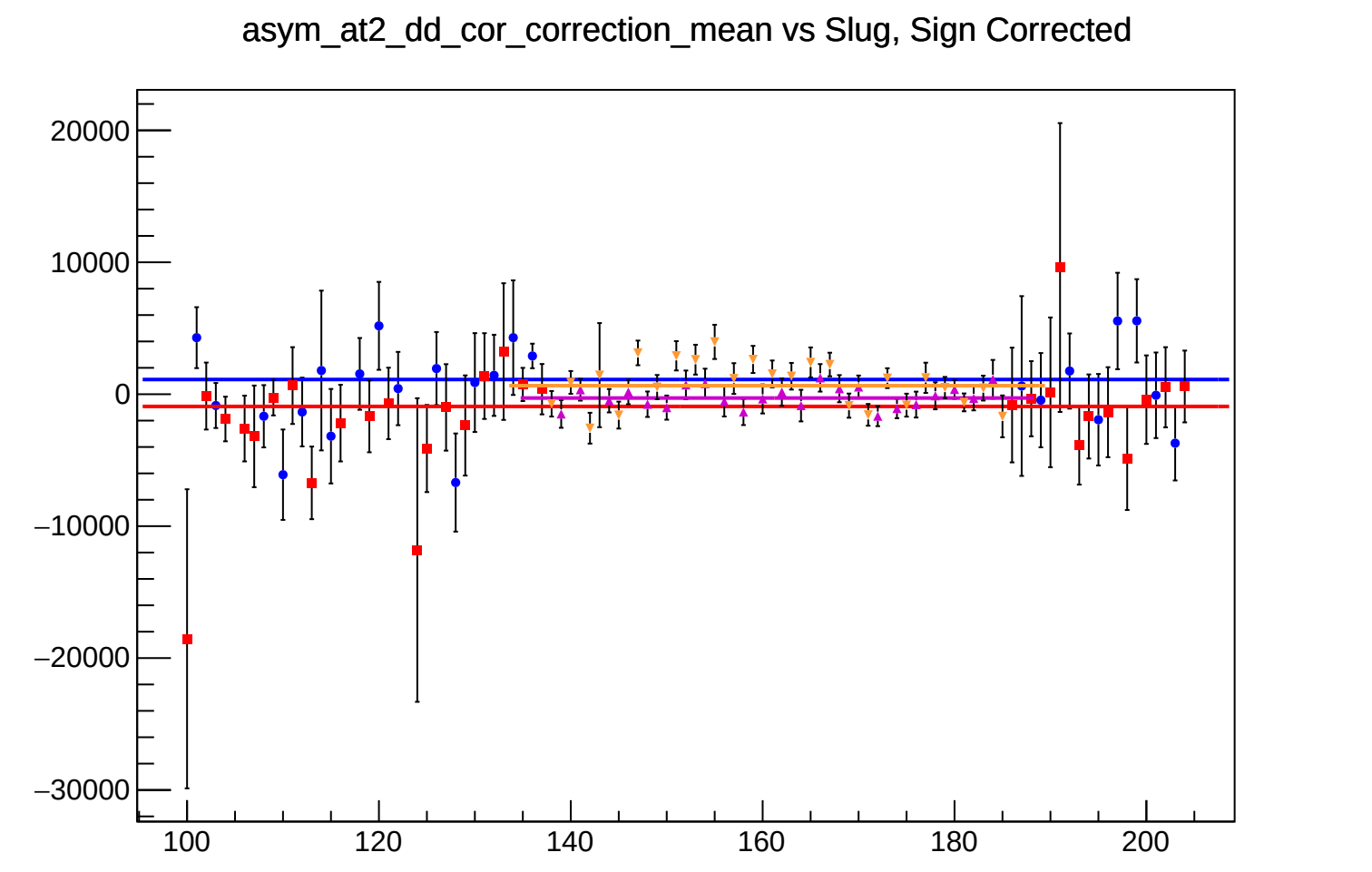
Left: 1691.137+/-0.196 χ^2/NDF: 661844.0/47

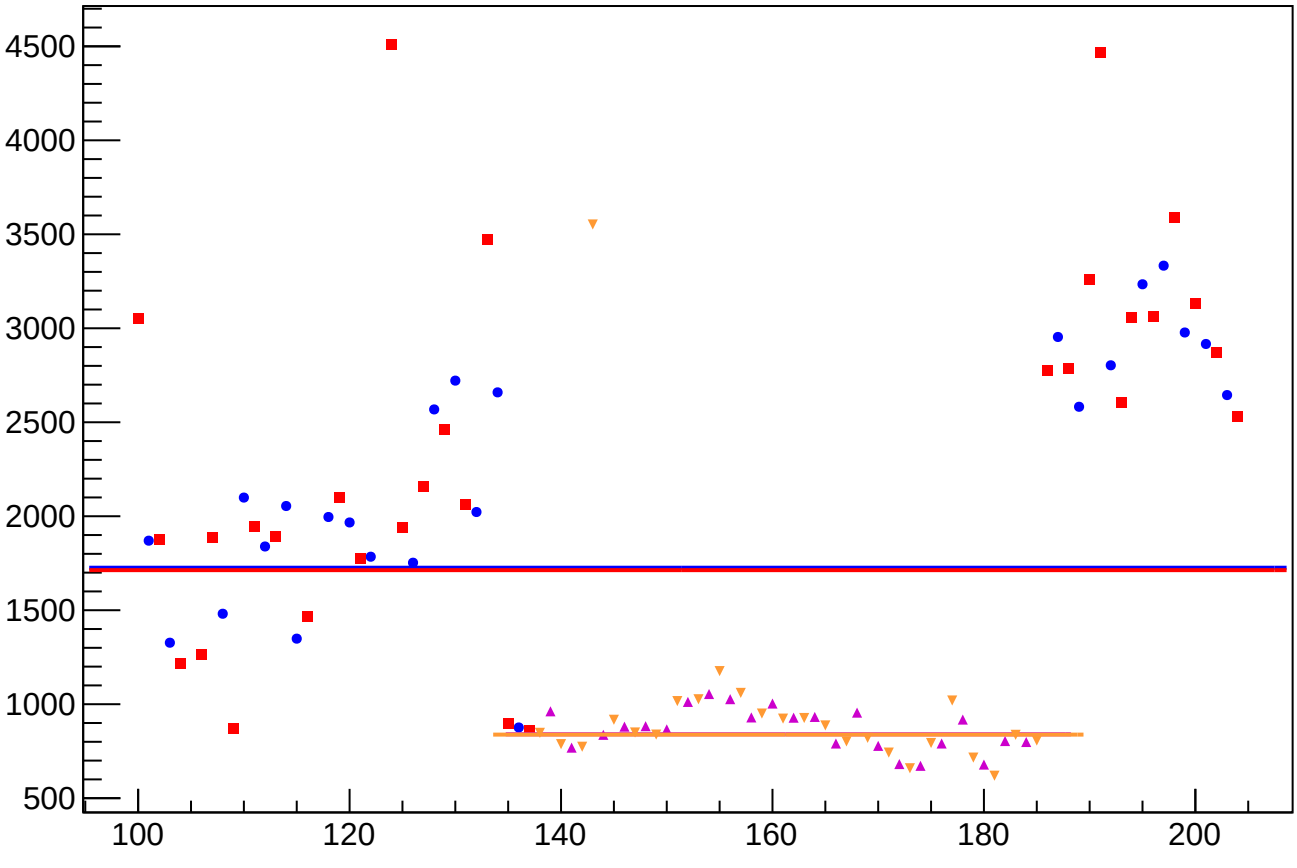
Right: 1686.900+/-0.227 χ^2/NDF: 1140897.7/53

In: 1683.581+/-0.213 χ^2/NDF:635070.0/46

Out: 1694.703+/-0.206 χ^2/NDF:1166463.2/54

All: 1689.329+/-0.148 χ^2/NDF: 1802942.1/10


asym_at2_dd_cor_correction_mean vs Slug, Sign Corrected
20000
10000
0
−10000
−20000
−30000
100
120
140
160
180
200
Right In: 1115.363+/-520.377 χ²/NDF: 29.2/23
Left Out: 649.165+/-195.673 χ²/NDF:65.5/24
Right Out: -925.472+/-491.604 χ²/NDF: 17.8/29
Left In: -288.602+/-198.495 χ²/NDF:16.6/22
Left: 186.994+/-139.349 χ²/NDF: 93.4/47
Right: 36.968+/-357.356 χ²/NDF: 55.2/53
In: -110.272+/-185.460 χ²/NDF:52.1/46
Out: 433.816+/-181.801 χ²/NDF:92.2/54
All: 167.193+/-129.827 χ²/NDF: 148.7/101



Right In: 1726.140+/-0.368 χ^2/NDF: 4275280.3/23

Left Out: 838.254+/-0.138 χ^2/NDF:1800138.0/24

Right Out: 1713.240+/-0.348 χ^2/NDF: 5686190.5/29

Left In: 839.978+/-0.140 χ^2/NDF:669338.3/22

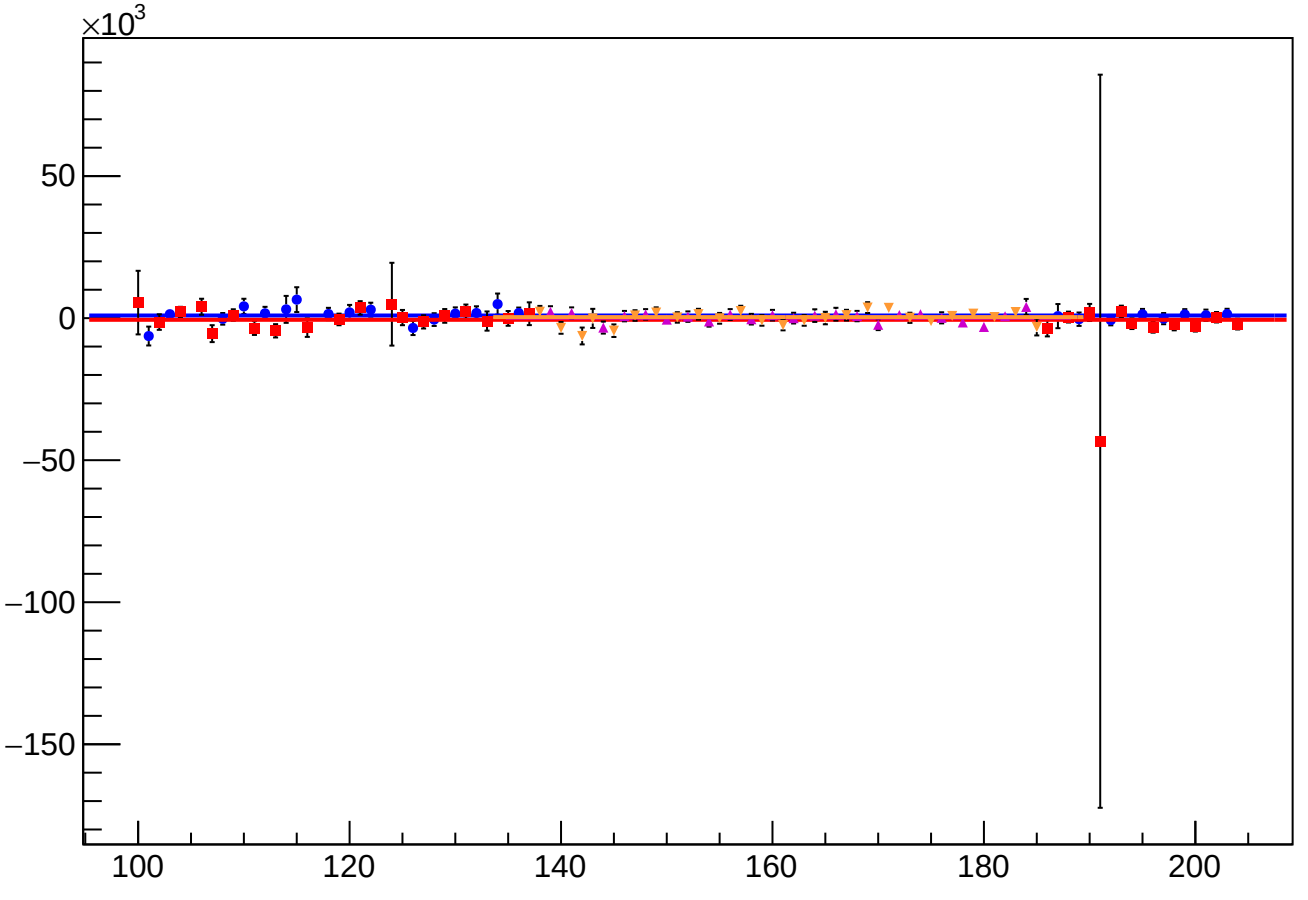
Left: 839.104+/-0.099 χ^2/NDF: 2469552.9/47

Right: 1719.323+/-0.253 χ^2/NDF: 9962120.2/53

In: 952.537+/-0.131 χ^2/NDF:10007818.1/46

Out: 957.918+/-0.129 χ^2/NDF:12955641.9/54

All: 955.281+/-0.092 χ^2/NDF: 22964318.6/10



Right In: 931.483+/-466.992 χ^2/NDF: 16.2/23

Left Out: 361.560+/-388.131 χ^2/NDF:29.6/24

Right Out: -584.817+/-440.739 χ^2/NDF: 28.6/29

Left In: 156.934+/-394.258 χ^2/NDF:16.0/22

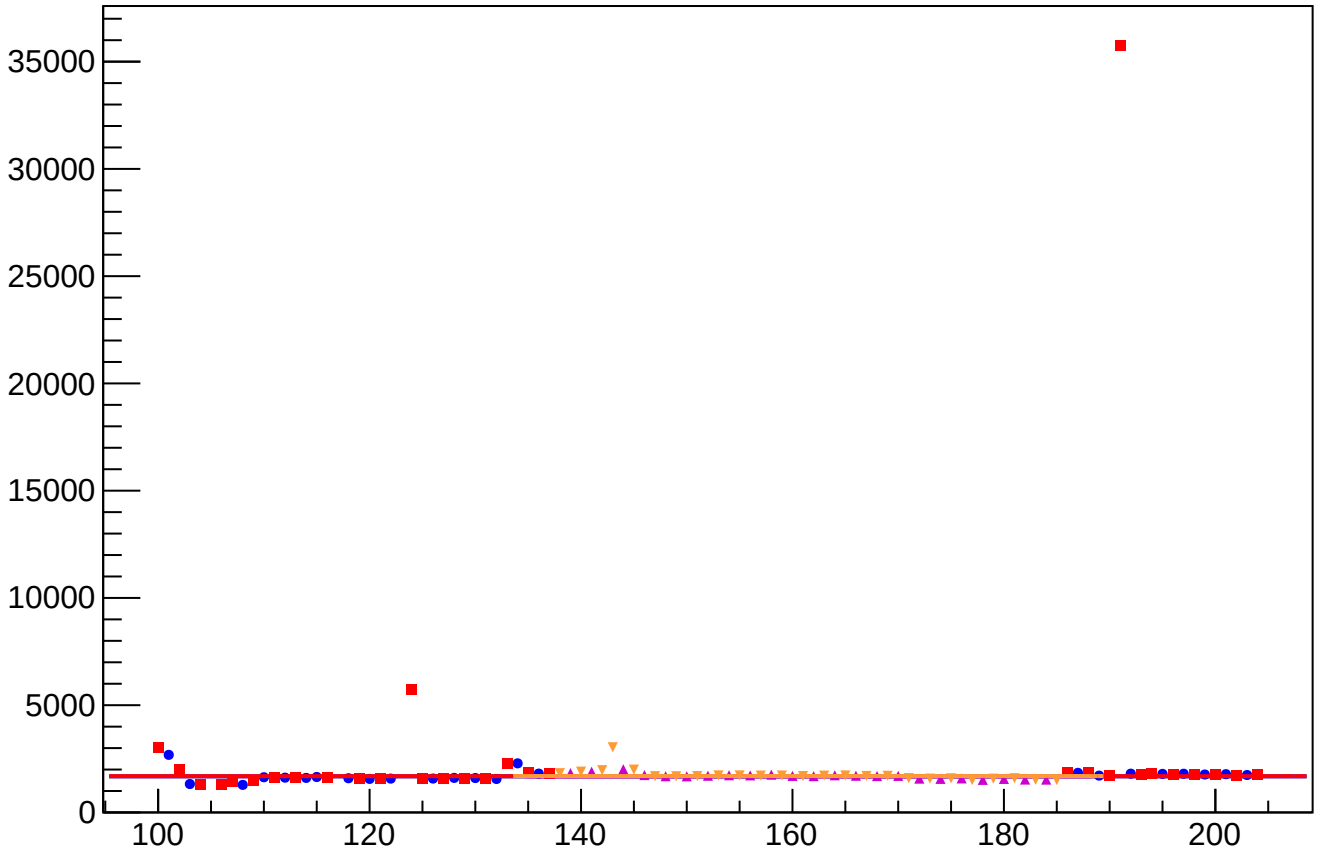
Left: 260.849+/-276.591 χ^2/NDF: 45.7/47

Right: 129.515+/-320.529 χ^2/NDF: 50.3/53

In: 479.259+/-301.254 χ^2/NDF:33.8/46

Out: -51.804+/-291.283 χ^2/NDF:60.7/54

All: 204.794+/-209.404 χ^2/NDF: 96.1/101



Right In: 1682.184+/-0.330 χ^2/NDF: 469683.7/23

Left Out: 1697.496+/-0.274 χ^2/NDF:495397.9/24

Right Out: 1691.102+/-0.312 χ^2/NDF: 670828.3/29

Left In: 1684.577+/-0.279 χ^2/NDF:165355.7/22

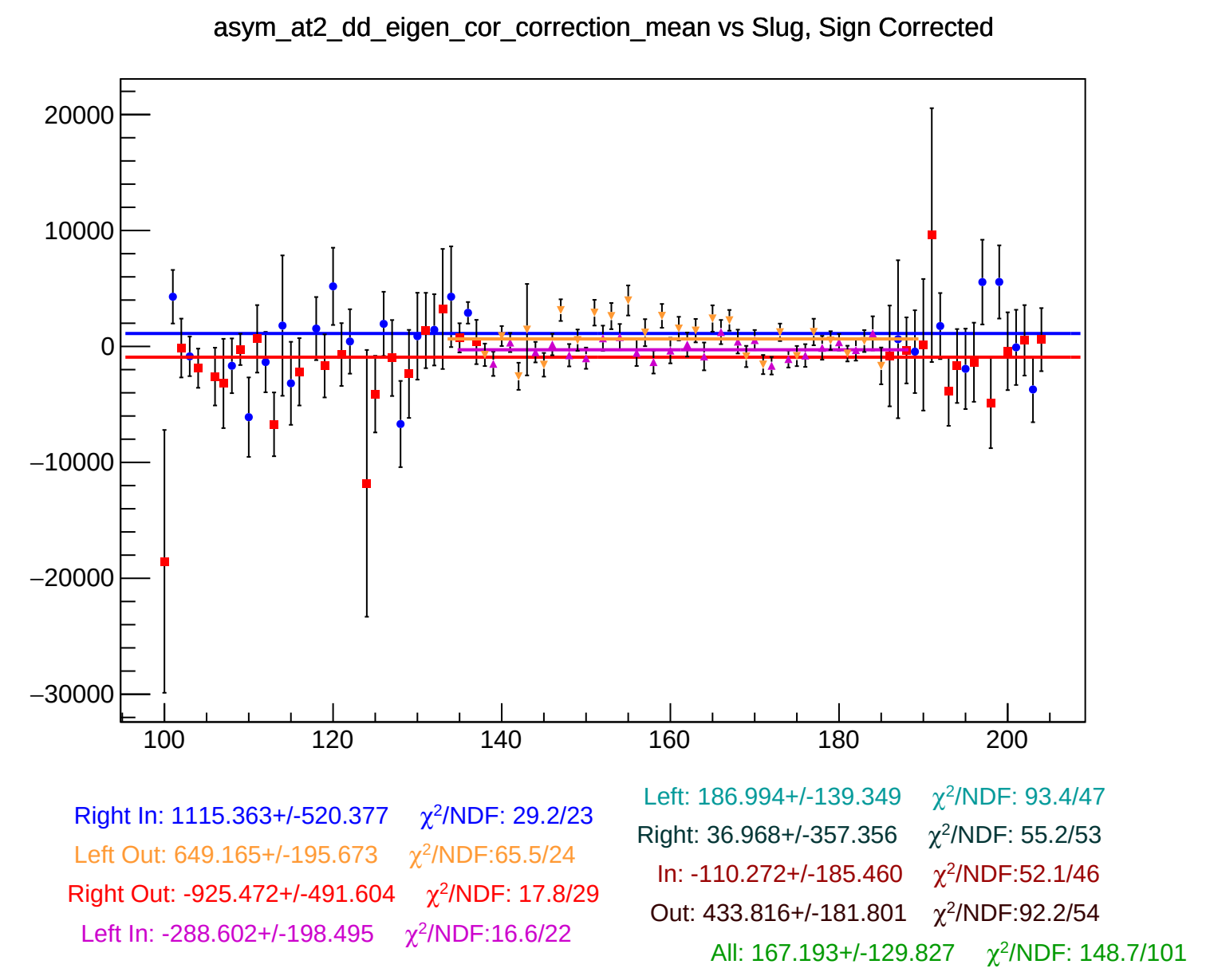
Left: 1691.137+/-0.196 χ^2/NDF: 661844.0/47

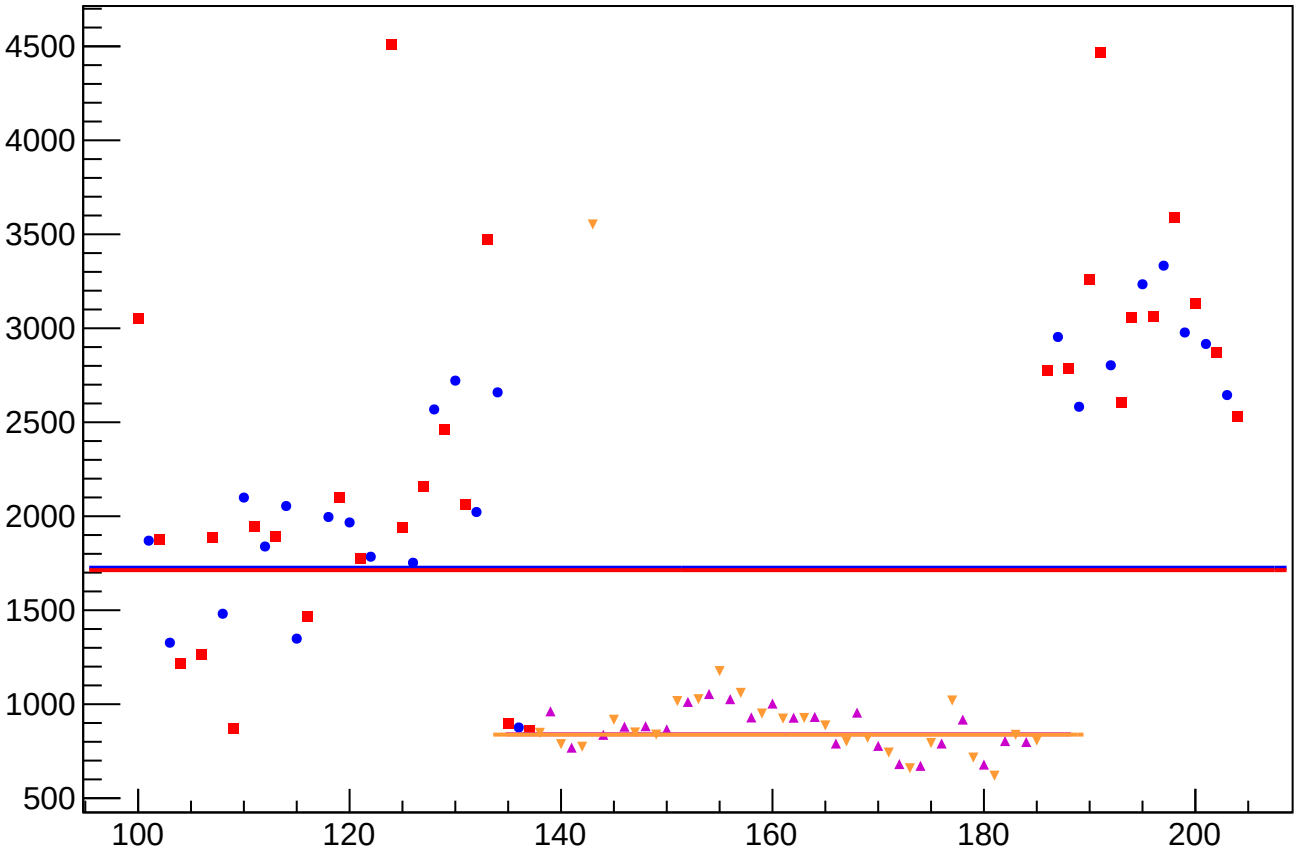
Right: 1686.900+/-0.227 χ^2/NDF: 1140897.7/53

In: 1683.581+/-0.213 χ^2/NDF:635070.0/46

Out: 1694.703+/-0.206 χ^2/NDF:1166463.2/54

All: 1689.329+/-0.148 χ^2/NDF: 1802942.1/10


asym_at2_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
20000
10000
0
−10000
−20000
−30000
100
120
140
160
180
200
Right In: 1115.363+/-520.377 χ²/NDF: 29.2/23
Left Out: 649.165+/-195.673 χ²/NDF:65.5/24
Right Out: -925.472+/-491.604 χ²/NDF: 17.8/29
Left In: -288.602+/-198.495 χ²/NDF:16.6/22
Left: 186.994+/-139.349 χ²/NDF: 93.4/47
Right: 36.968+/-357.356 χ²/NDF: 55.2/53
In: -110.272+/-185.460 χ²/NDF:52.1/46
Out: 433.816+/-181.801 χ²/NDF:92.2/54
All: 167.193+/-129.827 χ²/NDF: 148.7/101



Right In: 1726.140+/-0.368 χ^2/NDF: 4275280.3/23

Left Out: 838.254+/-0.138 χ^2/NDF:1800138.0/24

Right Out: 1713.240+/-0.348 χ^2/NDF: 5686190.5/29

Left In: 839.978+/-0.140 χ^2/NDF:669338.3/22

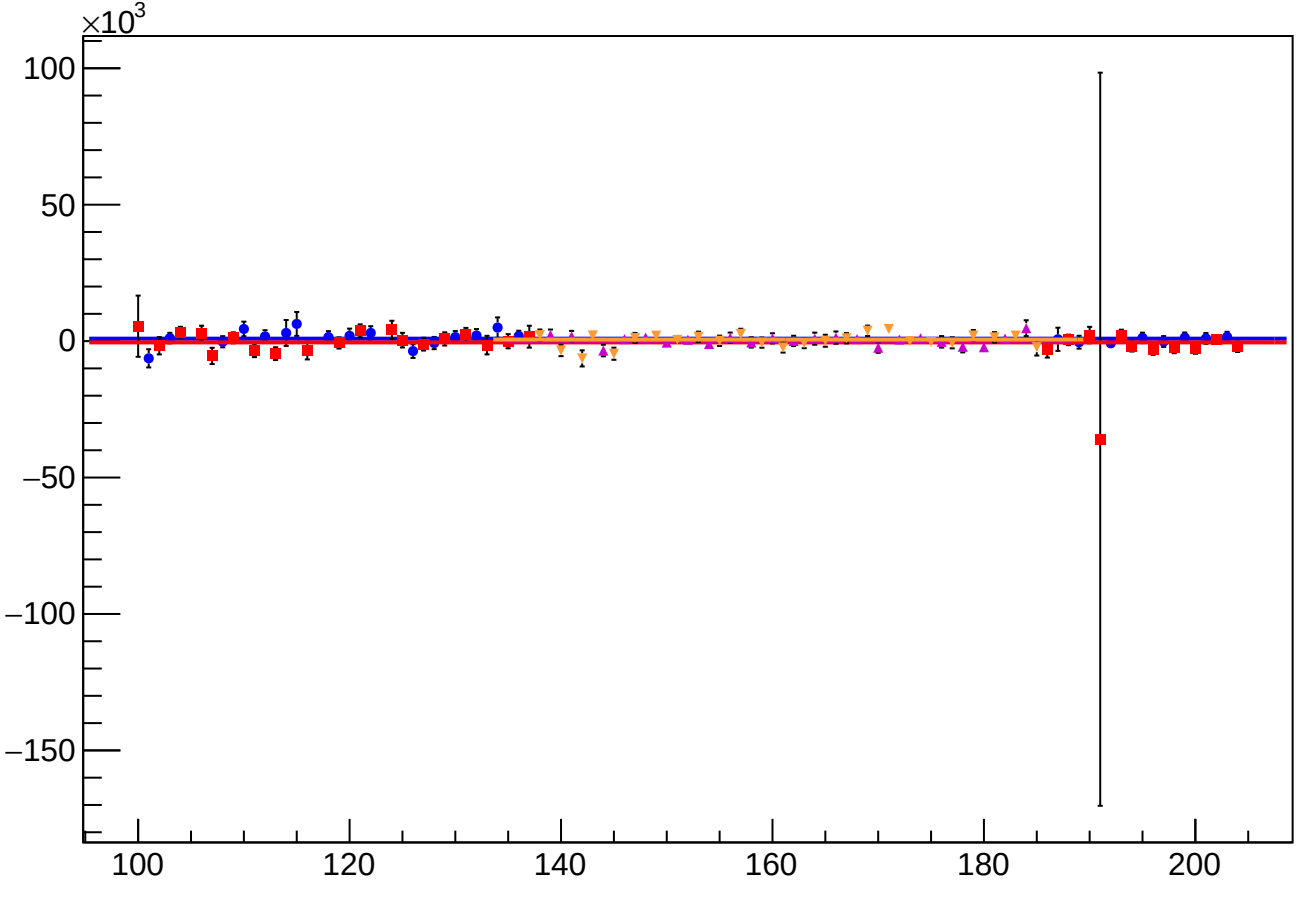
Left: 839.104+/-0.099 χ^2/NDF: 2469552.9/47

Right: 1719.323+/-0.253 χ^2/NDF: 9962120.2/53

In: 952.537+/-0.131 χ^2/NDF:10007818.1/46

Out: 957.918+/-0.129 χ^2/NDF:12955641.9/54

All: 955.281+/-0.092 χ^2/NDF: 22964318.6/10



Right In: 897.089+/-471.164 χ^2/NDF: 16.8/23

Left Out: 580.299+/-389.769 χ^2/NDF:31.9/24

Right Out: -469.065+/-441.255 χ^2/NDF: 30.9/29

Left In: 185.836+/-404.094 χ^2/NDF:14.4/22

Left: 390.183+/-280.536 χ^2/NDF: 46.9/47

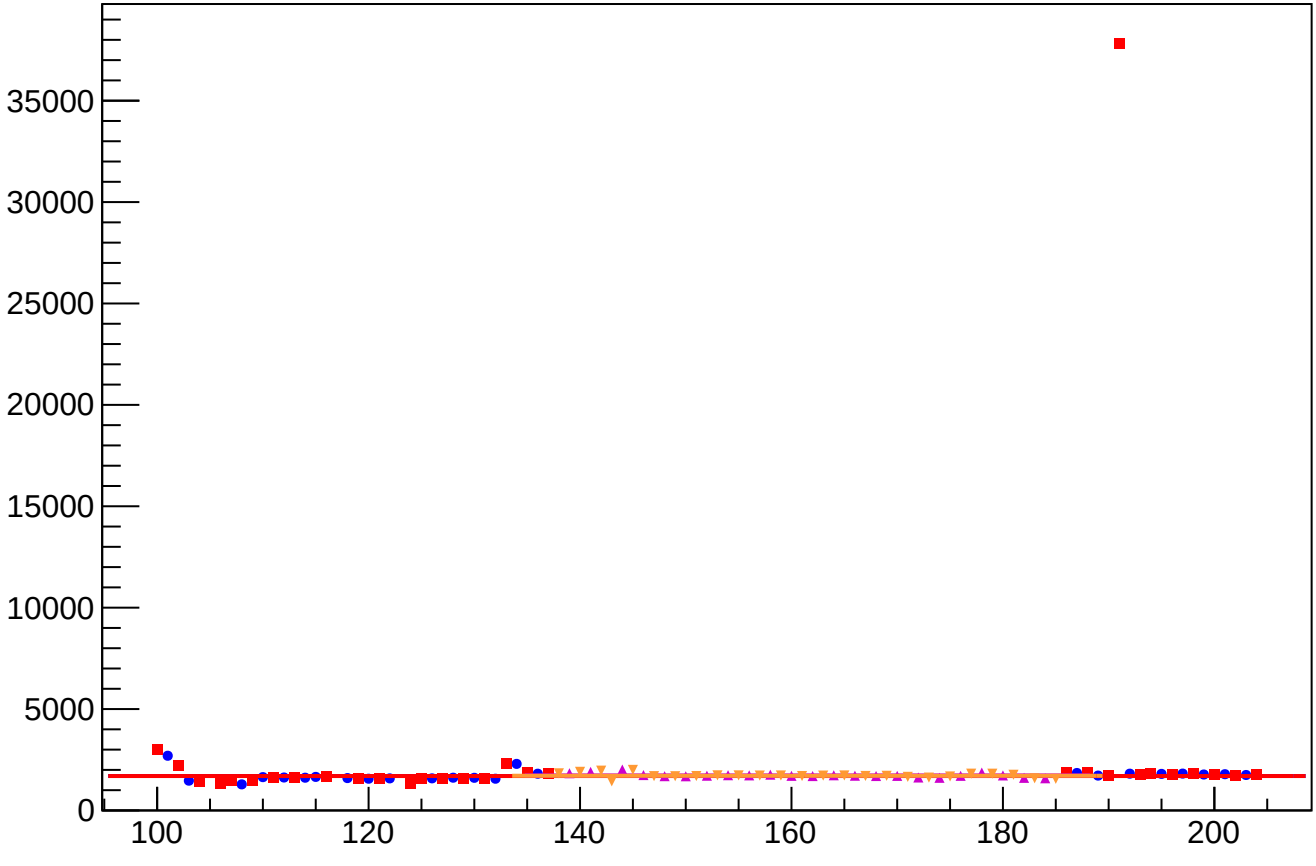
Right: 169.278+/-322.069 χ^2/NDF: 52.2/53

In: 487.278+/-306.734 χ^2/NDF:32.5/46

Out: 120.382+/-292.123 χ^2/NDF:66.0/54

All: 294.884+/-211.539 χ^2/NDF: 99.3/101

dit_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1699.082+/-0.333 χ^2/NDF: 413029.3/23

Left Out: 1711.712+/-0.276 χ^2/NDF:168006.4/24

Right Out: 1696.846+/-0.312 χ^2/NDF: 530710.7/29

Left In: 1727.912+/-0.286 χ^2/NDF:100226.8/22

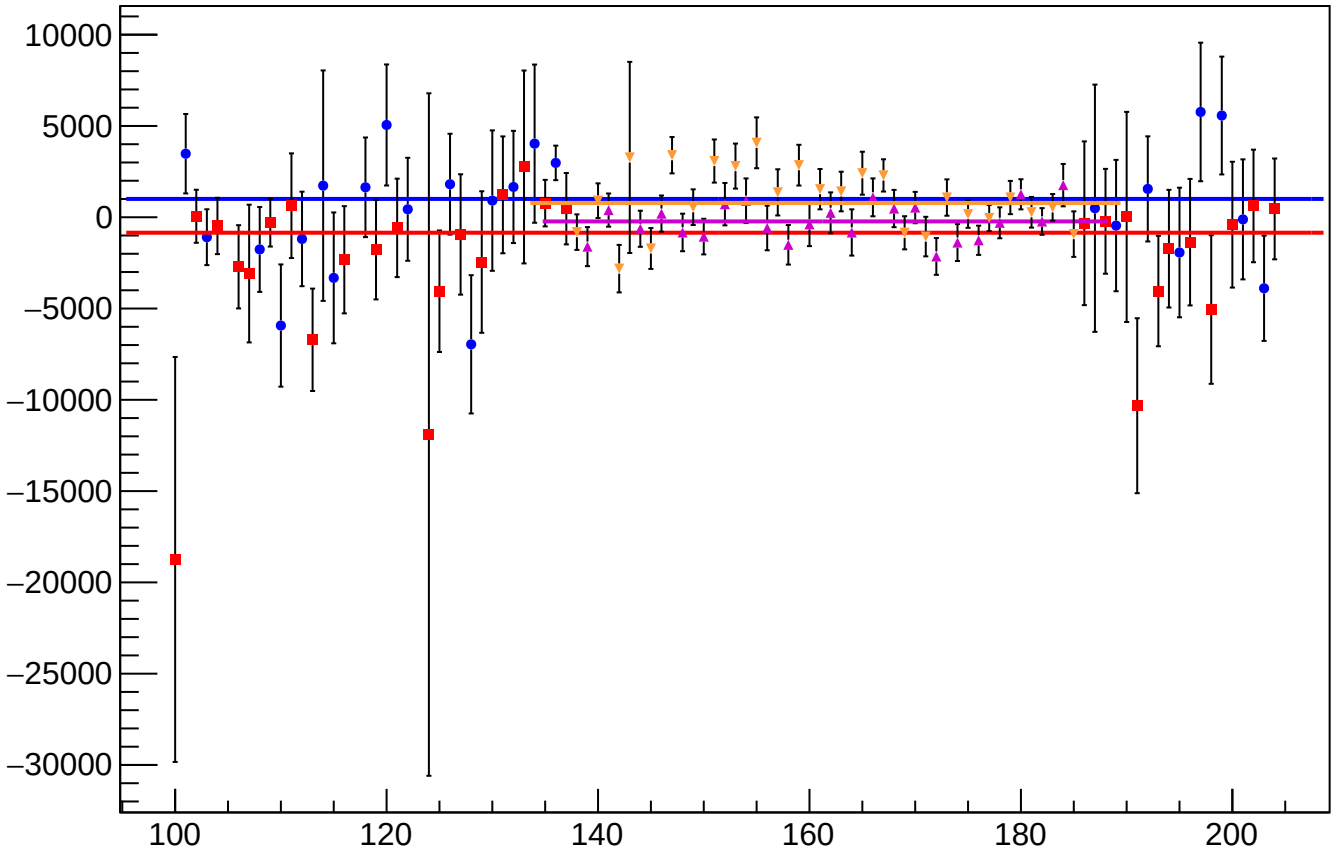
Left: 1719.520+/-0.198 χ^2/NDF: 269898.5/47

Right: 1697.891+/-0.228 χ^2/NDF: 943764.0/53

In: 1715.693+/-0.217 χ^2/NDF:517570.9/46

Out: 1705.196+/-0.207 χ^2/NDF:699992.1/54

All: 1710.189+/-0.150 χ^2/NDF: 1218791.3/10



Right In: 1003.895+/-517.239 χ^2/NDF: 29.5/23

Left Out: 778.974+/-201.641 χ^2/NDF:54.5/24

Right Out: -846.831+/-468.093 χ^2/NDF: 20.4/29

Left In: -228.879+/-206.703 χ^2/NDF:22.6/22

Left: 287.540+/-144.338 χ^2/NDF: 89.3/47

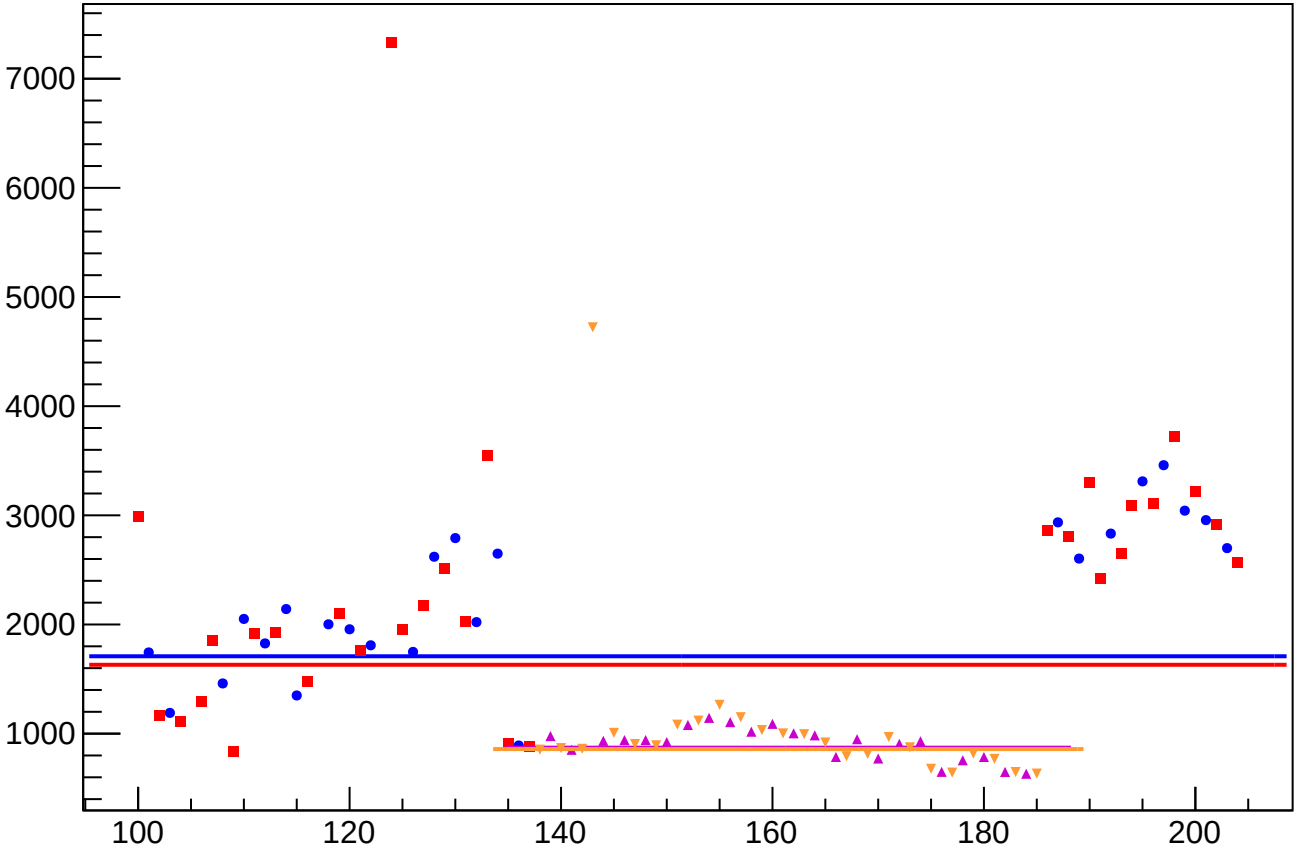
Right: -13.550+/-347.069 χ^2/NDF: 57.0/53

In: -59.113+/-191.944 χ^2/NDF:57.0/46

Out: 524.503+/-185.190 χ^2/NDF:85.1/54

All: 243.144+/-133.273 χ^2/NDF: 146.9/101

asym_at2_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 1708.827+/-0.366 χ^2/NDF: 4420163.3/23

Left Out: 858.593+/-0.143 χ^2/NDF:2279775.0/24

Right Out: 1630.880+/-0.331 χ^2/NDF: 6194161.8/29

Left In: 871.527+/-0.146 χ^2/NDF:979356.2/22

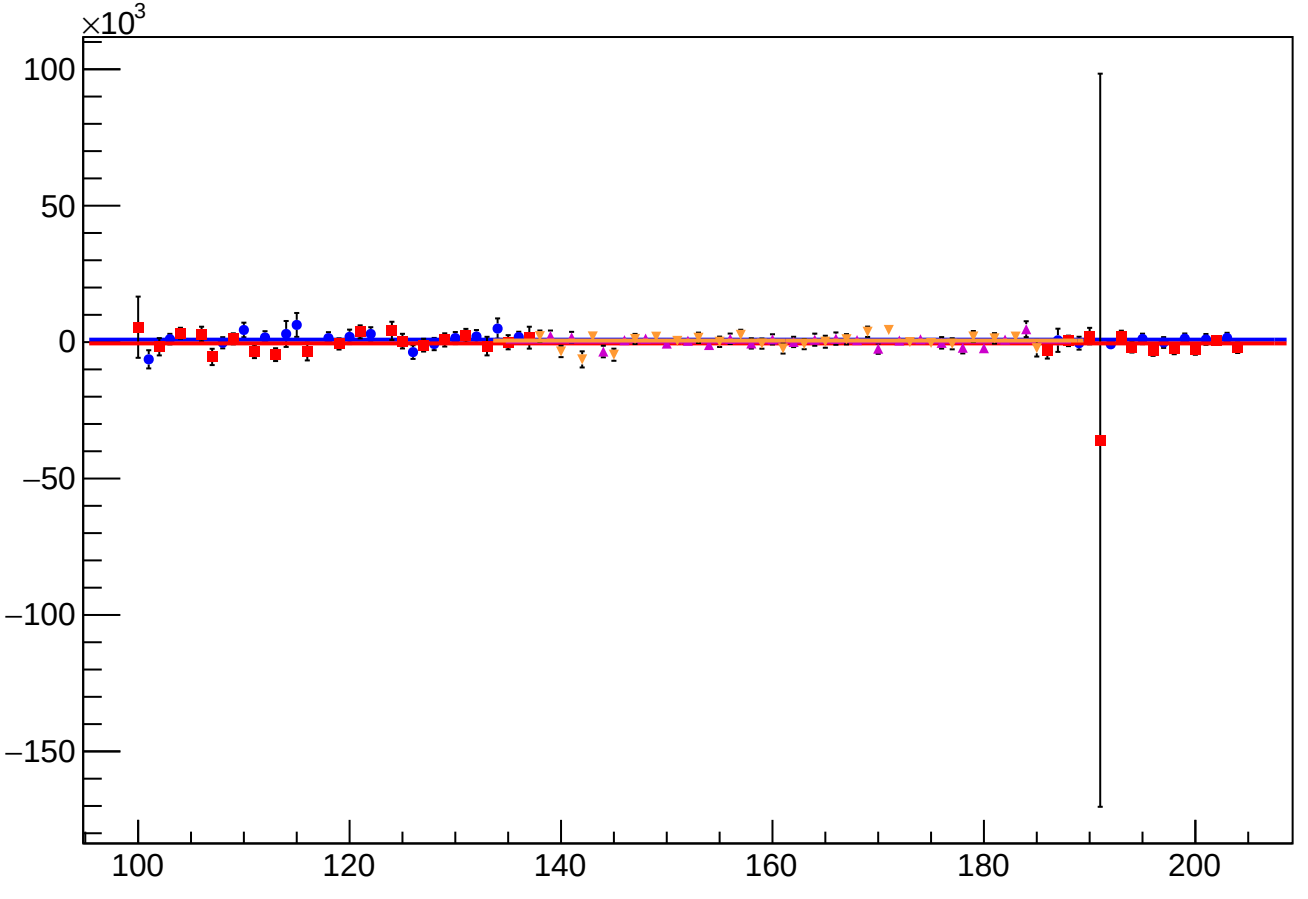
Left: 864.899+/-0.102 χ^2/NDF: 3263143.5/47

Right: 1665.975+/-0.245 χ^2/NDF: 10639295.0/53

In: 986.831+/-0.136 χ^2/NDF:9918736.9/46

Out: 979.471+/-0.131 χ^2/NDF:13065905.1/54

All: 983.019+/-0.094 χ^2/NDF: 22986165.1/10



Right In: 897.090+/-471.164 χ^2/NDF: 16.8/23

Left Out: 580.295+/-389.769 χ^2/NDF:31.9/24

Right Out: -469.065+/-441.255 χ^2/NDF: 30.9/29

Left In: 185.837+/-404.094 χ^2/NDF:14.4/22

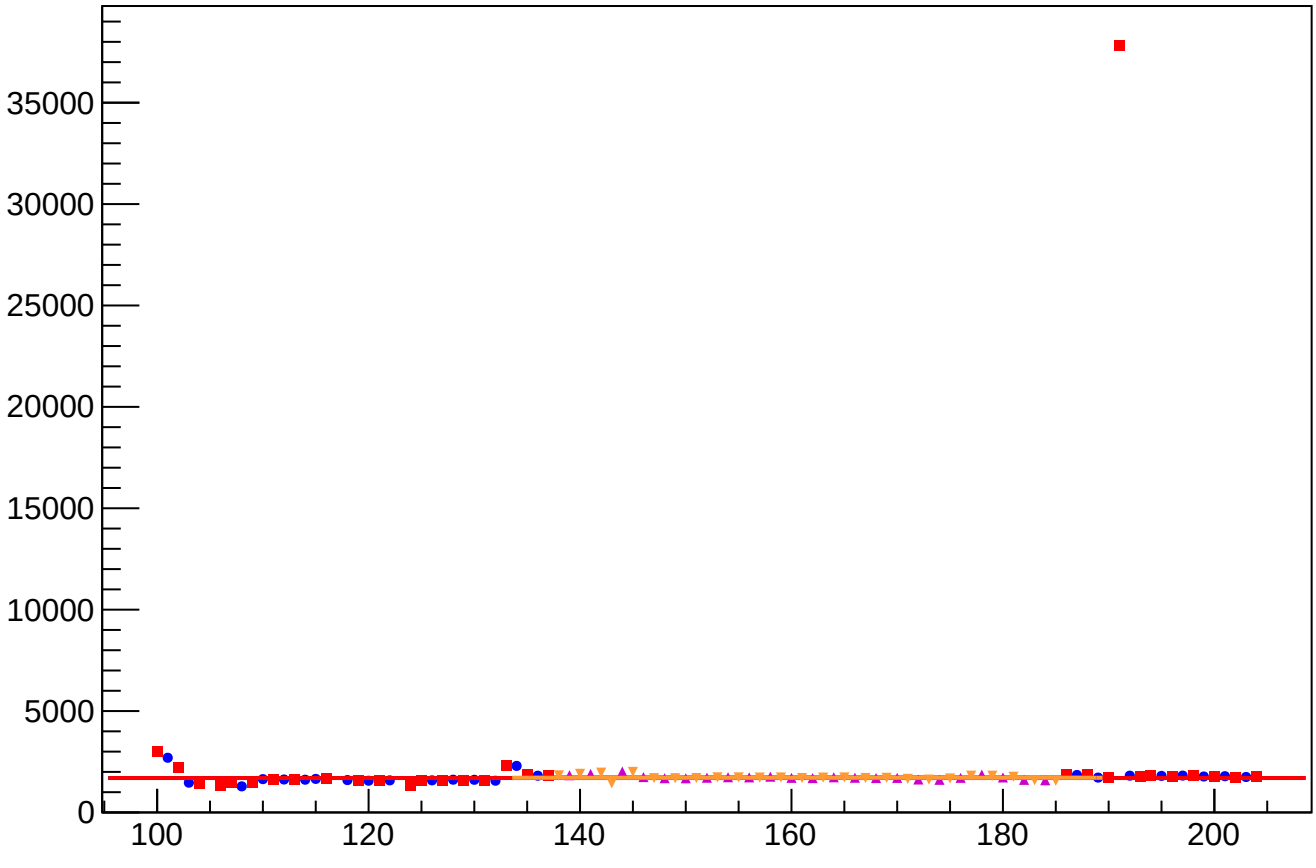
Left: 390.181+/-280.536 χ^2/NDF: 46.9/47

Right: 169.279+/-322.069 χ^2/NDF: 52.2/53

In: 487.279+/-306.734 χ^2/NDF:32.5/46

Out: 120.380+/-292.123 χ^2/NDF:66.0/54

All: 294.883+/-211.539 χ^2/NDF: 99.3/101



Right In: 1699.082+/-0.333 χ^2/NDF: 413029.1/23

Left Out: 1711.711+/-0.276 χ^2/NDF:168005.1/24

Right Out: 1696.846+/-0.312 χ^2/NDF: 530710.9/29

Left In: 1727.912+/-0.286 χ^2/NDF:100226.8/22

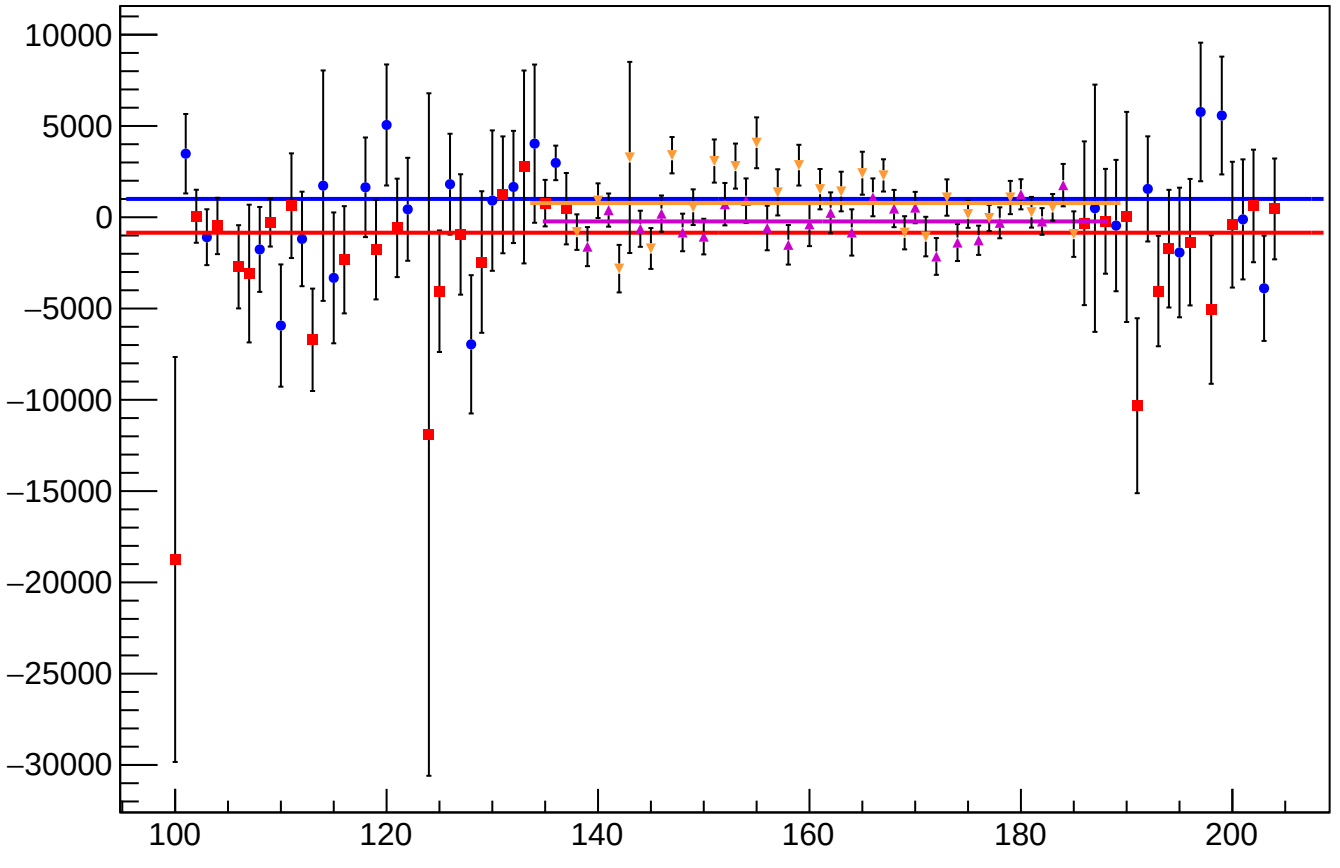
Left: 1719.519+/-0.198 χ^2/NDF: 269897.2/47

Right: 1697.890+/-0.228 χ^2/NDF: 943764.0/53

In: 1715.693+/-0.217 χ^2/NDF:517570.6/46

Out: 1705.196+/-0.207 χ^2/NDF:699991.1/54

All: 1710.189+/-0.150 χ^2/NDF: 1218789.9/10



Right In: 1003.885+/-517.242 χ^2/NDF: 29.5/23

Left Out: 778.977+/-201.641 χ^2/NDF:54.5/24

Right Out: -846.844+/-468.095 χ^2/NDF: 20.4/29

Left In: -228.876+/-206.703 χ^2/NDF:22.6/22

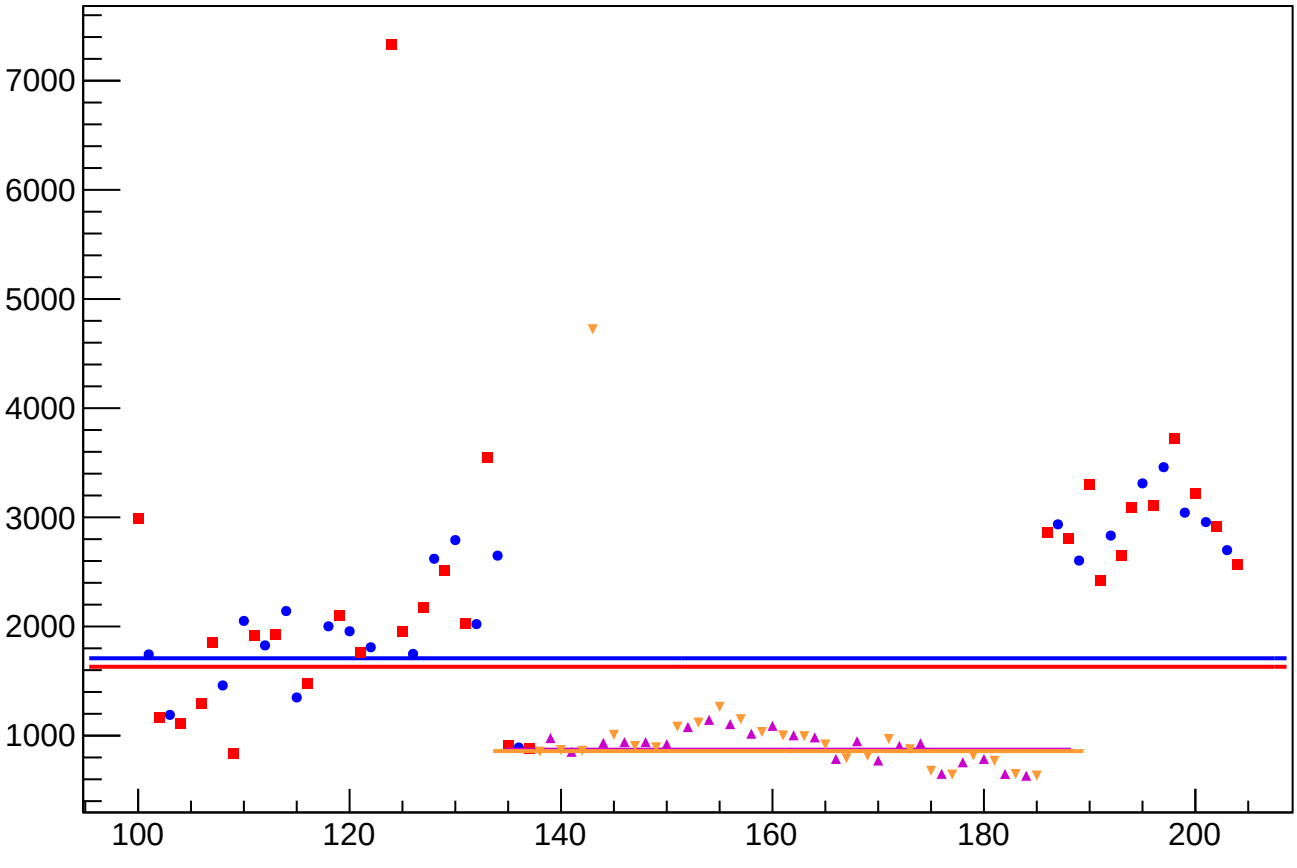
Left: 287.542+/-144.338 χ^2/NDF: 89.3/47

Right: -13.562+/-347.071 χ^2/NDF: 57.0/53

In: -59.115+/-191.944 χ^2/NDF:57.0/46

Out: 524.506+/-185.190 χ^2/NDF:85.1/54

All: 243.144+/-133.273 χ^2/NDF: 146.9/101



Right In: 1708.843+/-0.366 χ^2/NDF: 4420016.6/23

Left Out: 858.593+/-0.143 χ^2/NDF:2279765.6/24

Right Out: 1630.894+/-0.331 χ^2/NDF: 6194023.3/29

Left In: 871.525+/-0.146 χ^2/NDF:979360.3/22

Left: 864.899+/-0.102 χ^2/NDF: 3263137.5/47

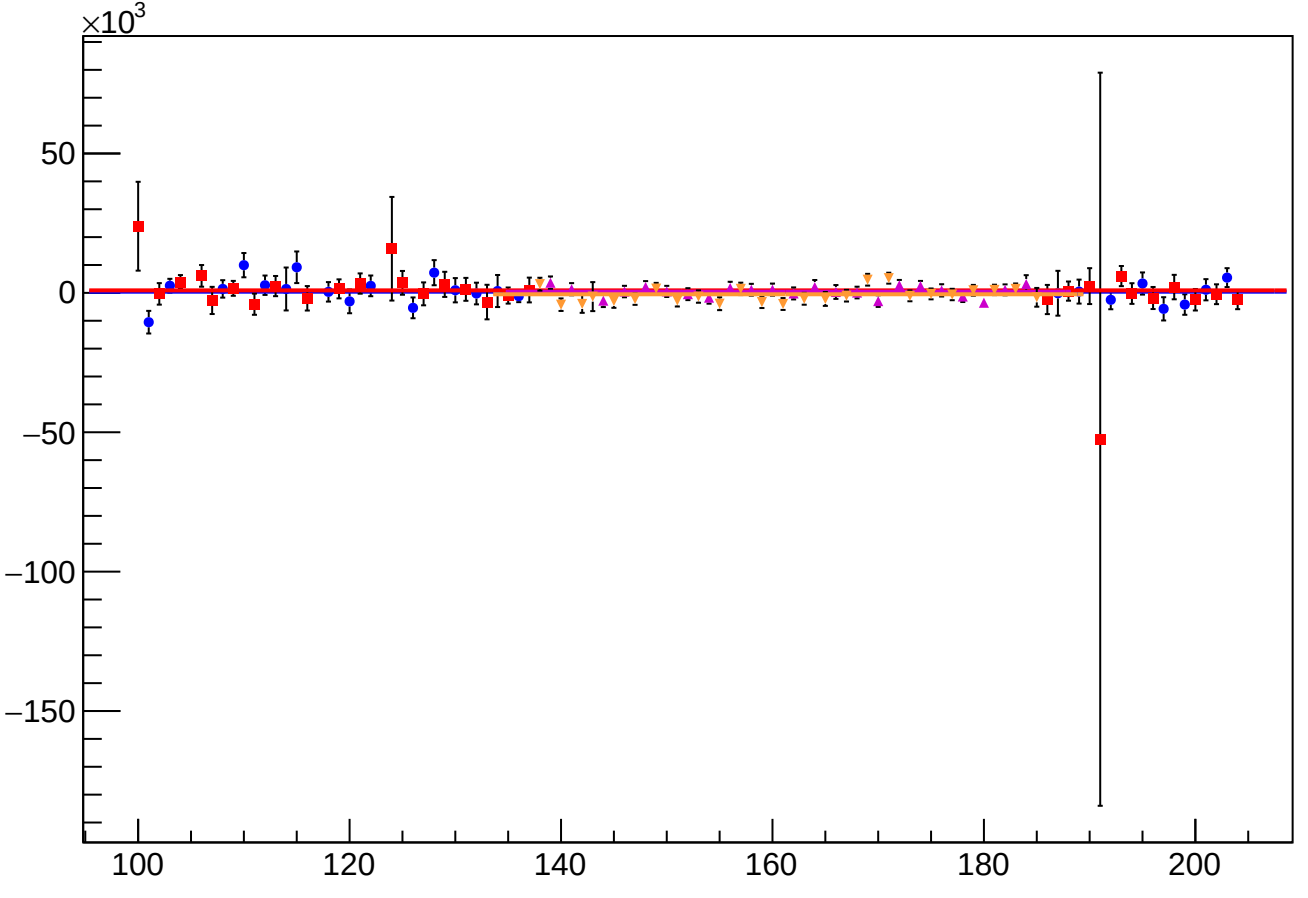
Right: 1665.990+/-0.245 χ^2/NDF: 10639010.7/53

In: 986.831+/-0.136 χ^2/NDF:9918732.2/46

Out: 979.472+/-0.131 χ^2/NDF:13065879.4/54

All: 983.020+/-0.094 χ^2/NDF: 22986134.2/10

asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 424.895+/-763.326 χ^2/NDF: 29.3/23

Left Out: -501.517+/-439.916 χ^2/NDF:35.9/24

Right Out: 899.280+/-723.900 χ^2/NDF: 16.3/29

Left In: 411.323+/-444.573 χ^2/NDF:18.9/22

Left: -49.903+/-312.701 χ^2/NDF: 56.9/47

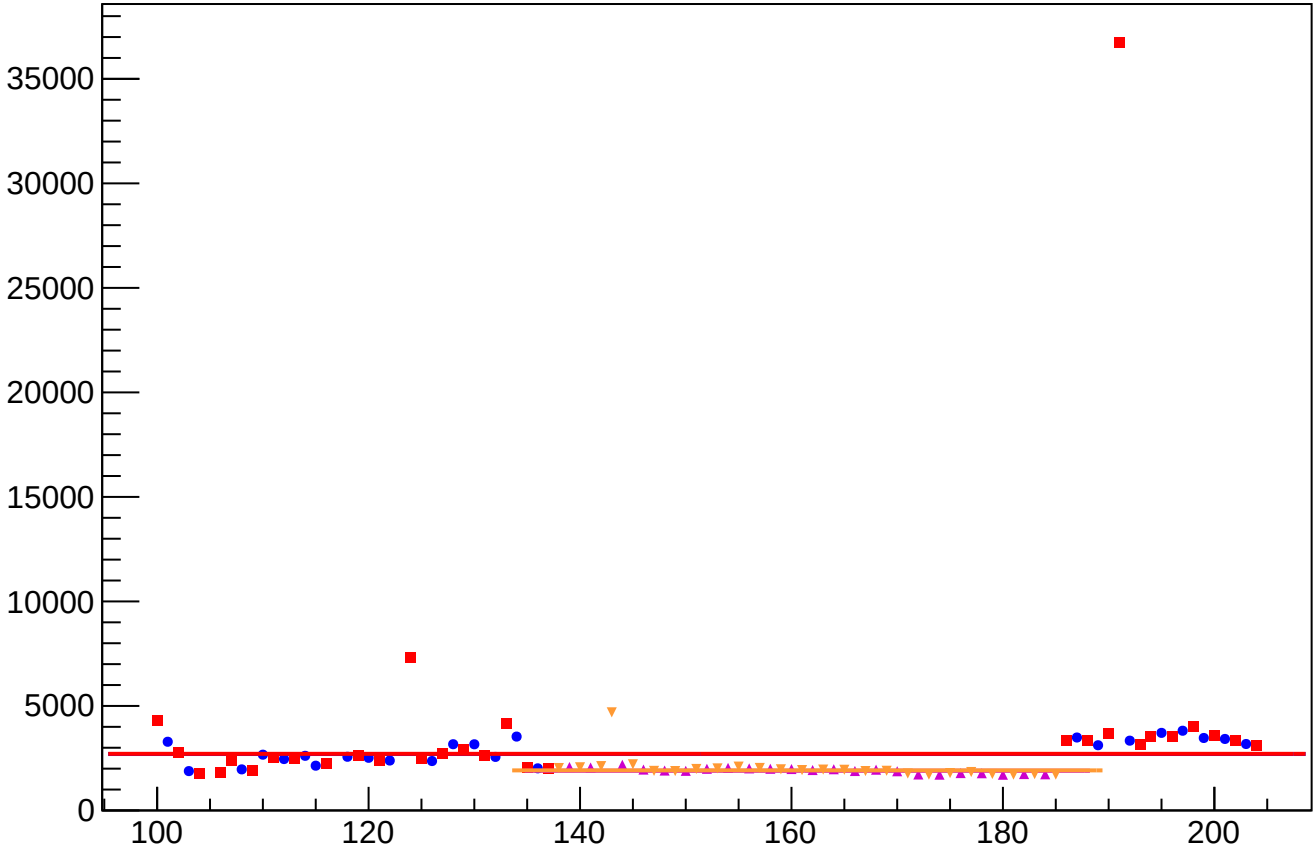
Right: 674.654+/-525.260 χ^2/NDF: 45.9/53

In: 414.761+/-384.166 χ^2/NDF:48.2/46

Out: -123.720+/-375.941 χ^2/NDF:55.0/54

All: 139.695+/-268.691 χ^2/NDF: 104.2/101

asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 2699.920+/-0.540 χ^2/NDF: 1311711.2/23

Left Out: 1917.157+/-0.311 χ^2/NDF:756385.6/24

Right Out: 2708.810+/-0.512 χ^2/NDF: 1943412.7/29

Left In: 1899.245+/-0.314 χ^2/NDF:173376.4/22

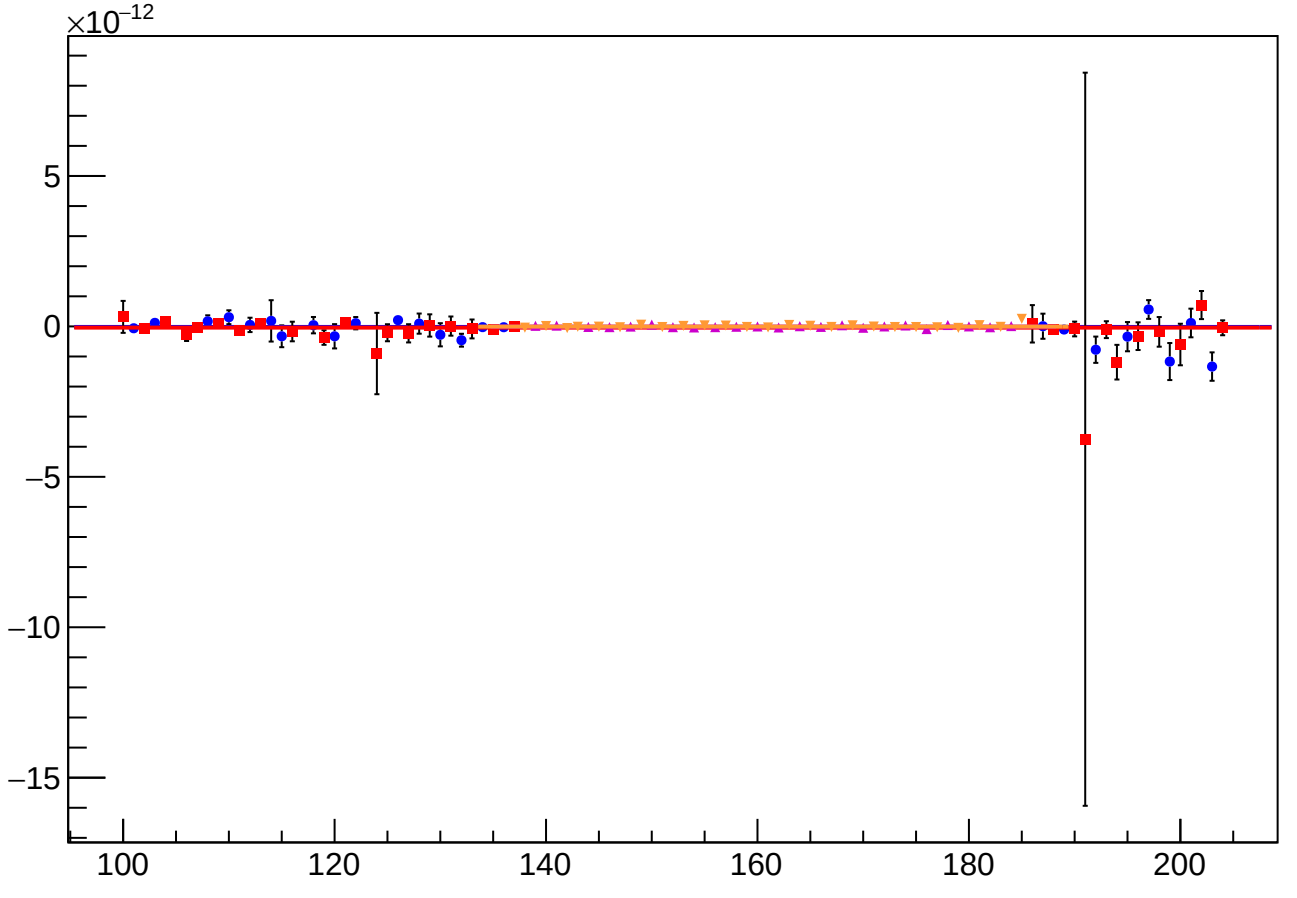
Left: 1908.296+/-0.221 χ^2/NDF: 931402.4/47

Right: 2704.600+/-0.371 χ^2/NDF: 3255266.8/53

In: 2102.049+/-0.272 χ^2/NDF:3128229.2/46

Out: 2130.669+/-0.266 χ^2/NDF:4446609.4/54

All: 2116.669+/-0.190 χ^2/NDF: 7580509.0/10



Right In: -0.000+/-0.000 χ^2/NDF: 33.5/23

Left Out: -0.000+/-0.000 χ^2/NDF:28.5/24

Right Out: -0.000+/-0.000 χ^2/NDF: 23.4/29

Left In: -0.000+/-0.000 χ^2/NDF:25.0/22

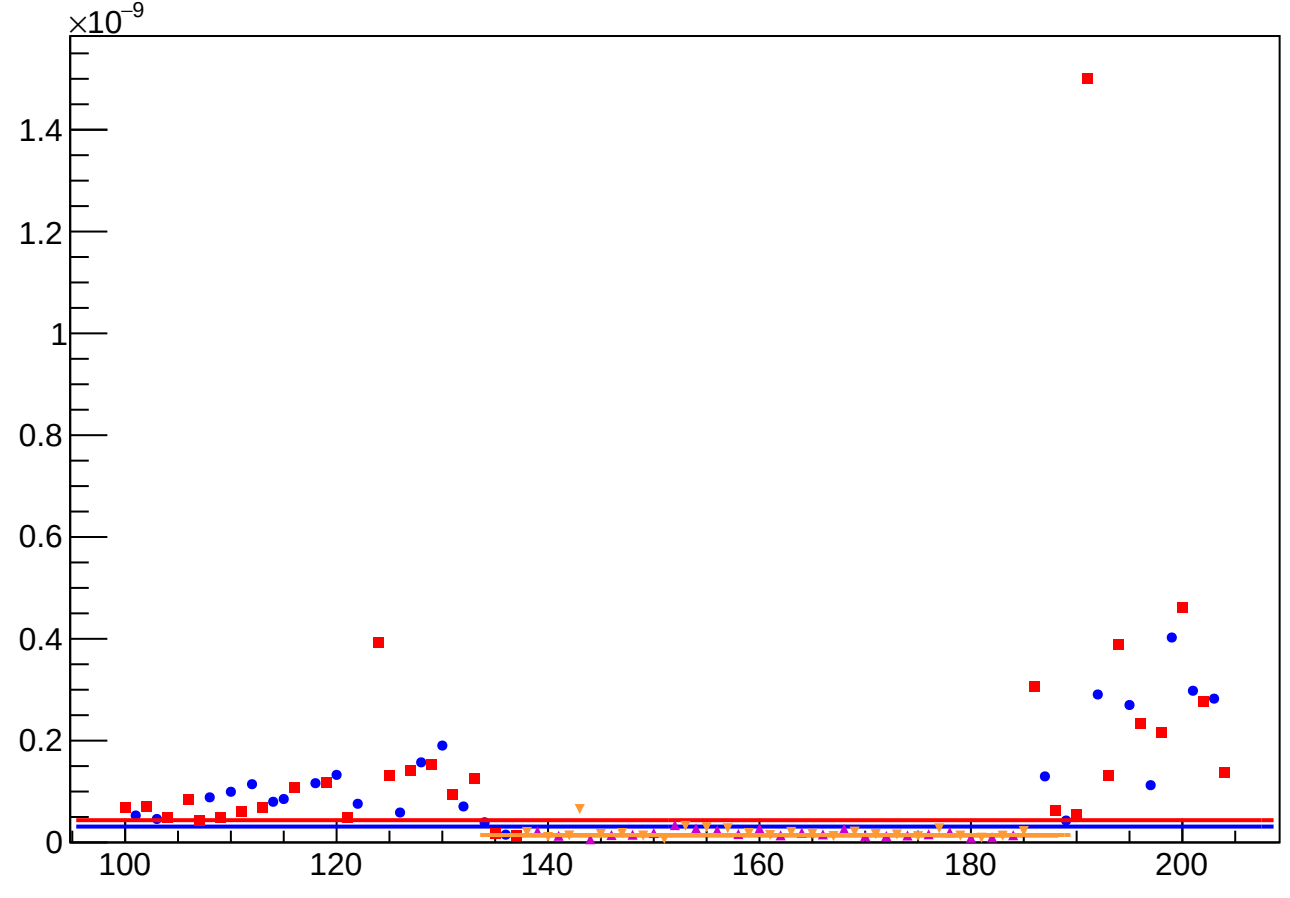
Left: -0.000+/-0.000 χ^2/NDF: 53.6/47

Right: -0.000+/-0.000 χ^2/NDF: 57.3/53

In: -0.000+/-0.000 χ^2/NDF:58.7/46

Out: -0.000+/-0.000 χ^2/NDF:53.5/54

All: -0.000+/-0.000 χ^2/NDF: 112.3/101



Right In: 0.000+/-0.000 χ^2/NDF: 6158090.2/23

Left Out: 0.000+/-0.000 χ^2/NDF:1874636.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6024883.5/29

Left In: 0.000+/-0.000 χ^2/NDF:1944578.7/22

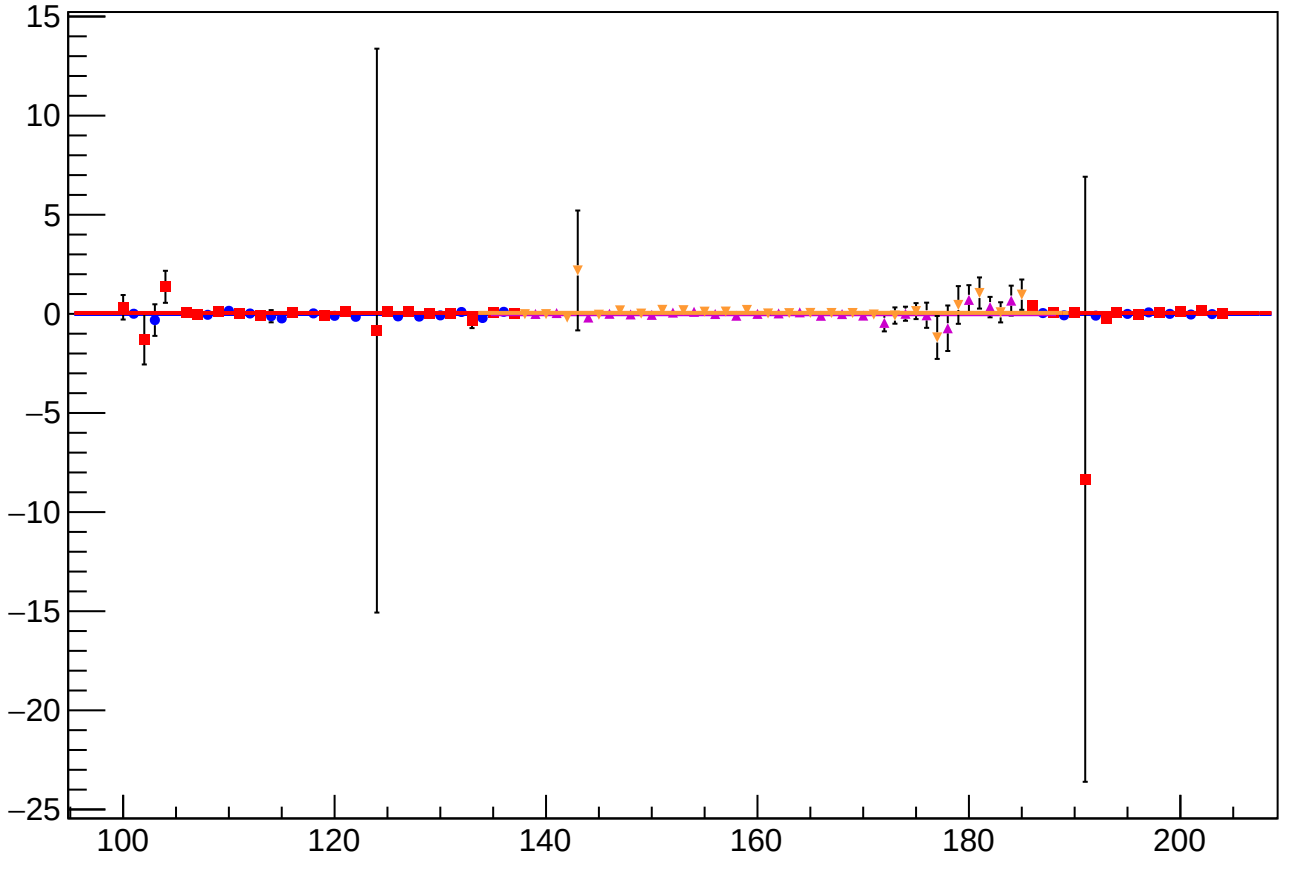
Left: 0.000+/-0.000 χ^2/NDF: 3830932.2/47

Right: 0.000+/-0.000 χ^2/NDF: 12450250.1/53

In: 0.000+/-0.000 χ^2/NDF:9271262.6/46

Out: 0.000+/-0.000 χ^2/NDF:10181625.2/54

All: 0.000+/-0.000 χ^2/NDF: 19473615.3/101



Right In: -0.006+/-0.023 χ^2/NDF: 14.8/23

Left Out: 0.050+/-0.017 χ^2/NDF:24.5/24

Right Out: 0.045+/-0.020 χ^2/NDF: 23.8/29

Left In: -0.019+/-0.017 χ^2/NDF:15.4/22

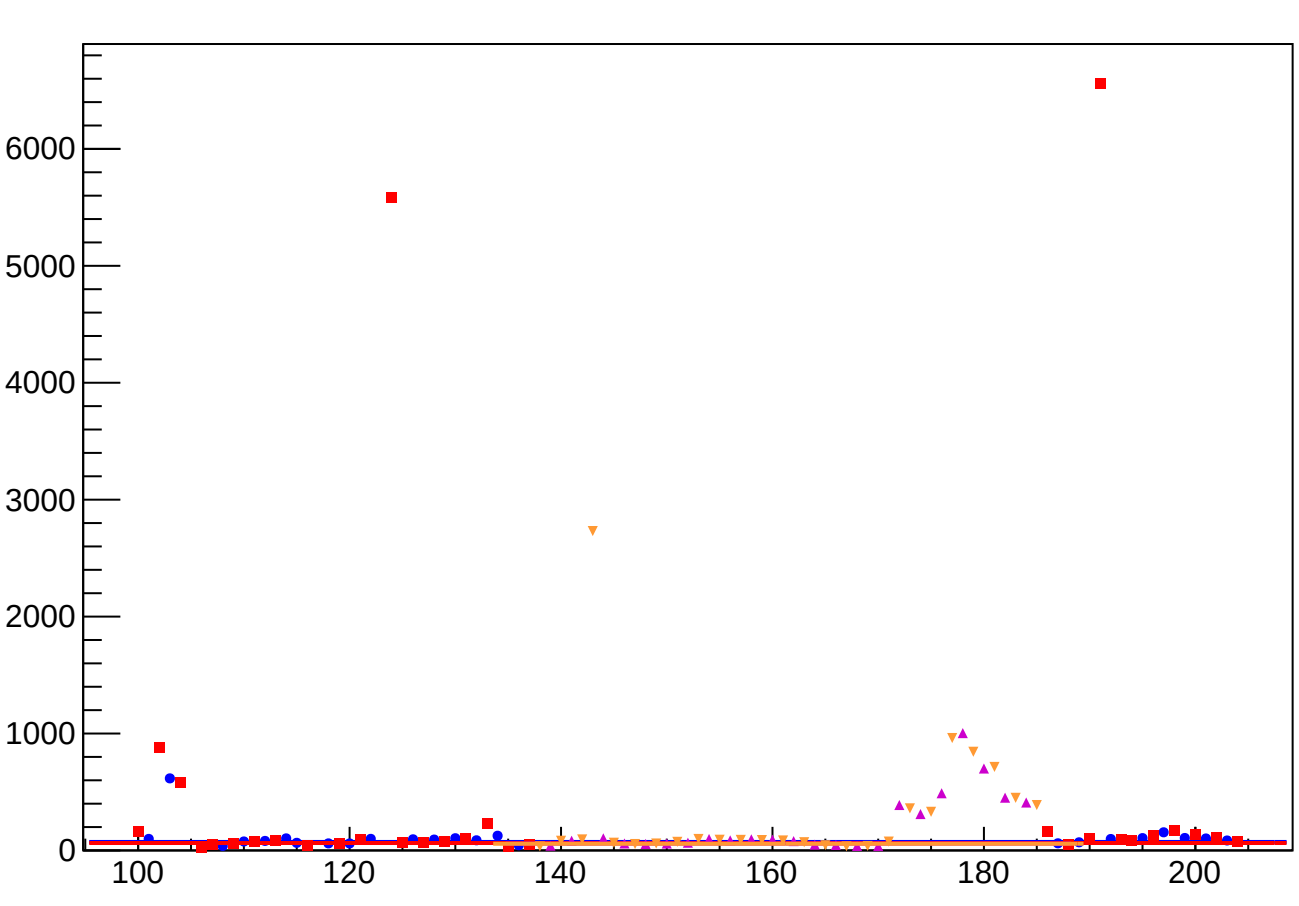
Left: 0.016+/-0.012 χ^2/NDF: 48.0/47

Right: 0.023+/-0.015 χ^2/NDF: 41.5/53

In: -0.014+/-0.014 χ^2/NDF:30.5/46

Out: 0.048+/-0.013 χ^2/NDF:48.3/54

All: 0.018+/-0.009 χ^2/NDF: 89.6/101



Right In: 72.657+/-0.016 χ^2/NDF: 3714983.3/23

Left Out: 57.259+/-0.012 χ^2/NDF:12322019.7/24

Right Out: 63.740+/-0.014 χ^2/NDF: 7138691.9/29

Left In: 58.580+/-0.012 χ^2/NDF:10247660.0/22

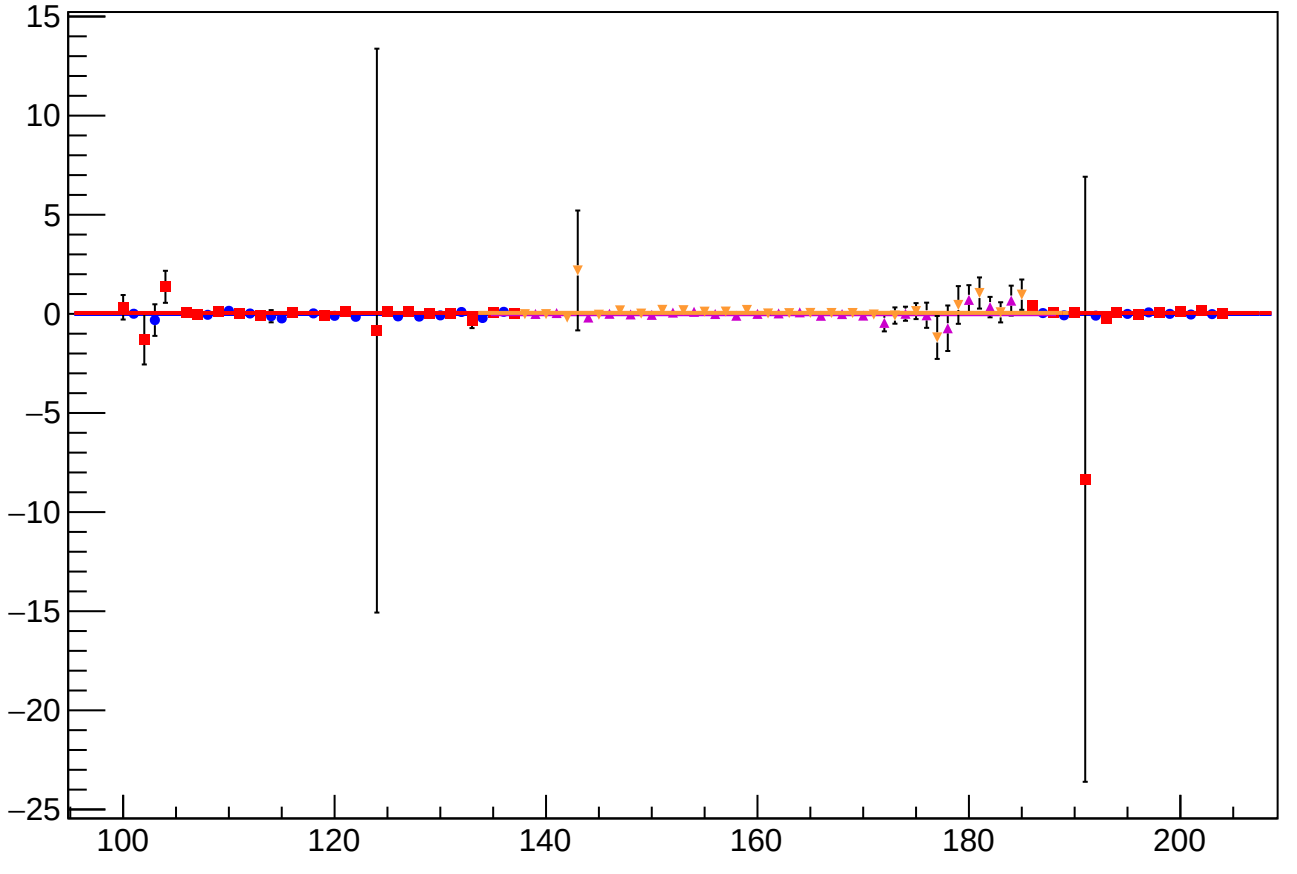
Left: 57.916+/-0.009 χ^2/NDF: 22575659.0/47

Right: 67.628+/-0.011 χ^2/NDF: 11028324.4/53

In: 63.698+/-0.010 χ^2/NDF:14453777.8/46

Out: 59.994+/-0.009 χ^2/NDF:19582958.4/54

All: 61.746+/-0.007 χ^2/NDF: 34114187.2/101



Right In: -0.006+/-0.023 χ^2/NDF: 14.8/23

Left Out: 0.050+/-0.017 χ^2/NDF:24.5/24

Right Out: 0.045+/-0.020 χ^2/NDF: 23.8/29

Left In: -0.019+/-0.017 χ^2/NDF:15.4/22

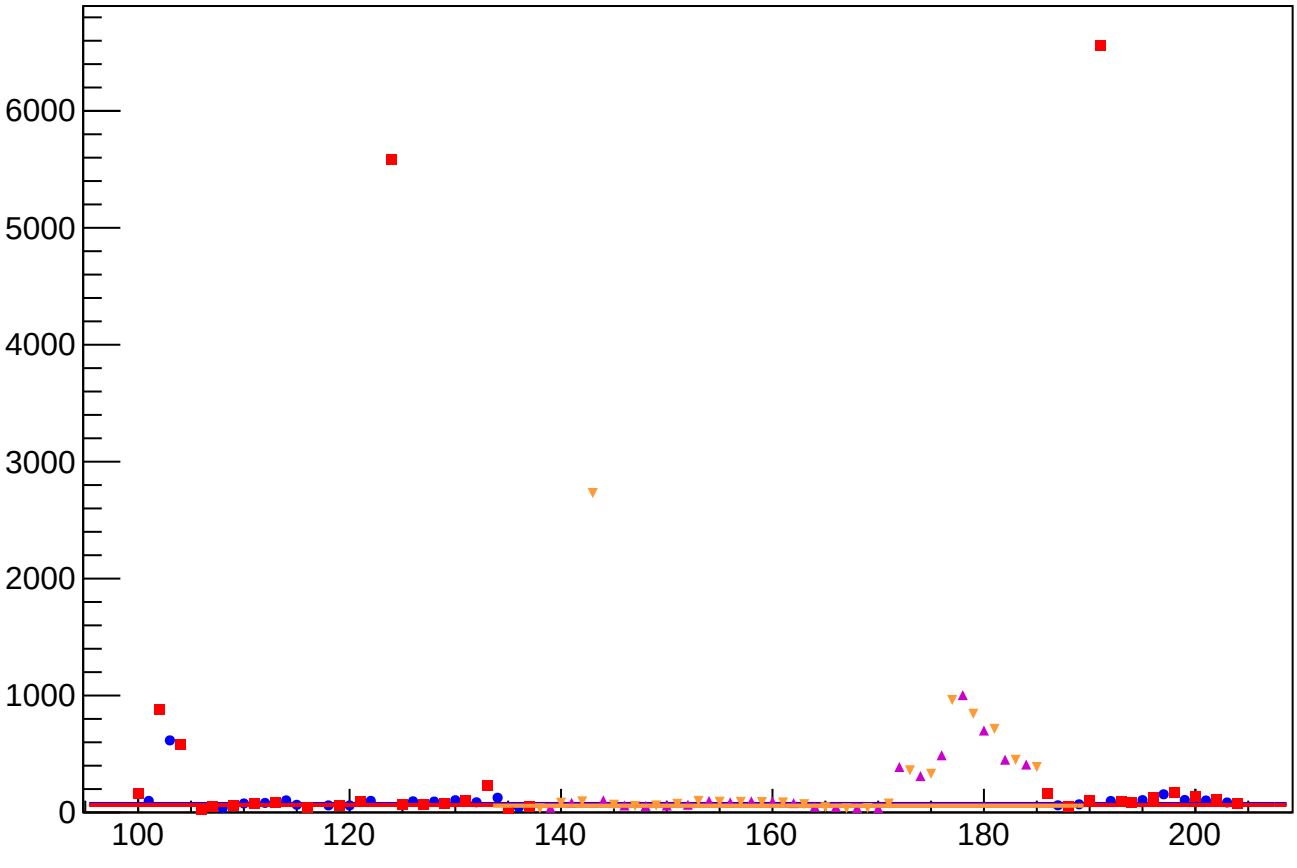
Left: 0.016+/-0.012 χ^2/NDF: 48.0/47

Right: 0.023+/-0.015 χ^2/NDF: 41.5/53

In: -0.014+/-0.014 χ^2/NDF:30.5/46

Out: 0.048+/-0.013 χ^2/NDF:48.3/54

All: 0.018+/-0.009 χ^2/NDF: 89.6/101



Right In: 72.657+/-0.016 χ^2/NDF: 3714983.3/23

Left Out: 57.259+/-0.012 χ^2/NDF:12322019.7/24

Right Out: 63.740+/-0.014 χ^2/NDF: 7138691.9/29

Left In: 58.580+/-0.012 χ^2/NDF:10247660.0/22

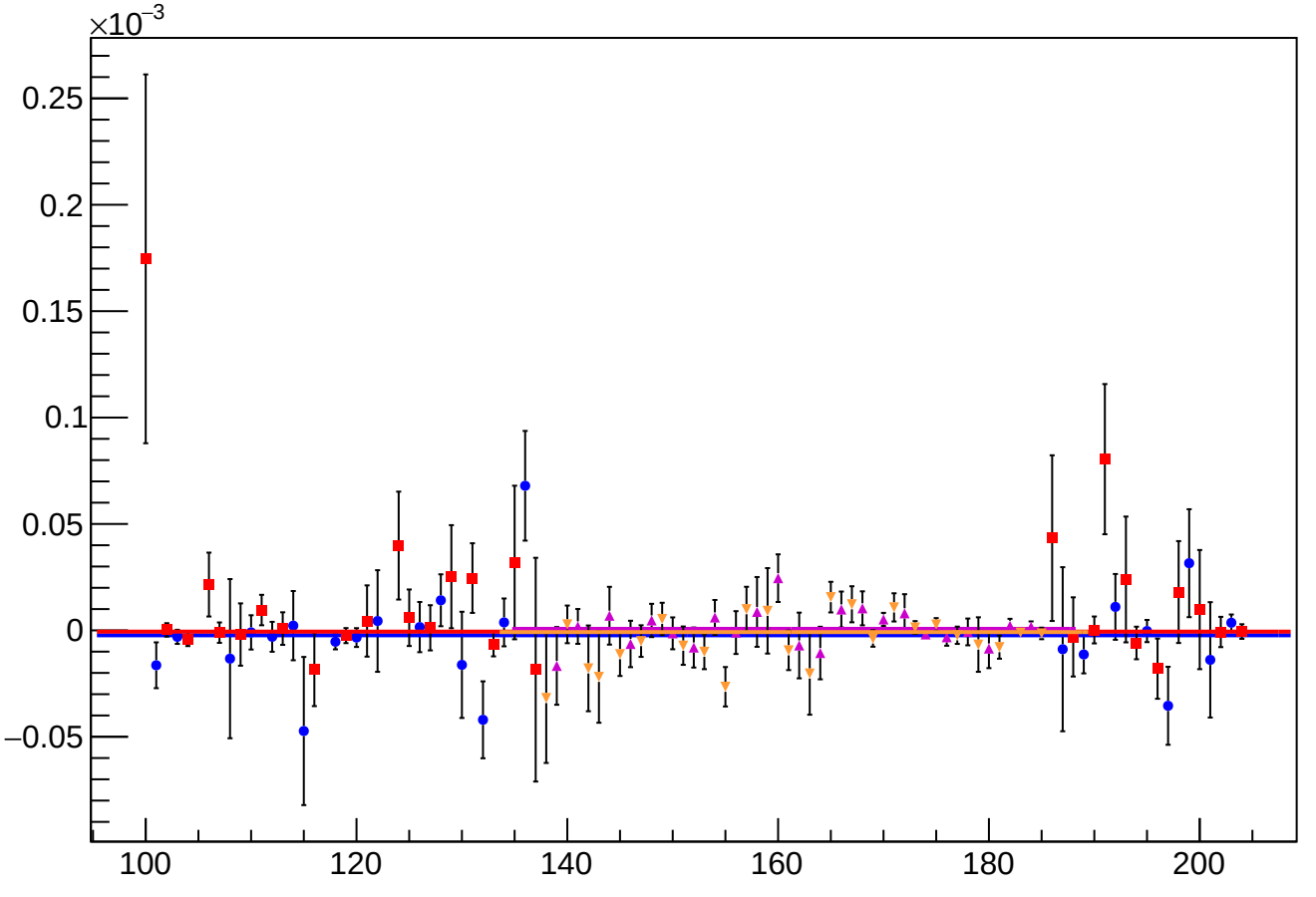
Left: 57.916+/-0.009 χ^2/NDF: 22575659.0/47

Right: 67.628+/-0.011 χ^2/NDF: 11028324.4/53

In: 63.698+/-0.010 χ^2/NDF:14453777.8/46

Out: 59.994+/-0.009 χ^2/NDF:19582958.4/54

All: 61.746+/-0.007 χ^2/NDF: 34114187.2/101



Right In: -0.000+/-0.000 χ^2/NDF: 28.8/23

Left Out: -0.000+/-0.000 χ^2/NDF:32.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 29.2/29

Left In: 0.000+/-0.000 χ^2/NDF:18.8/22

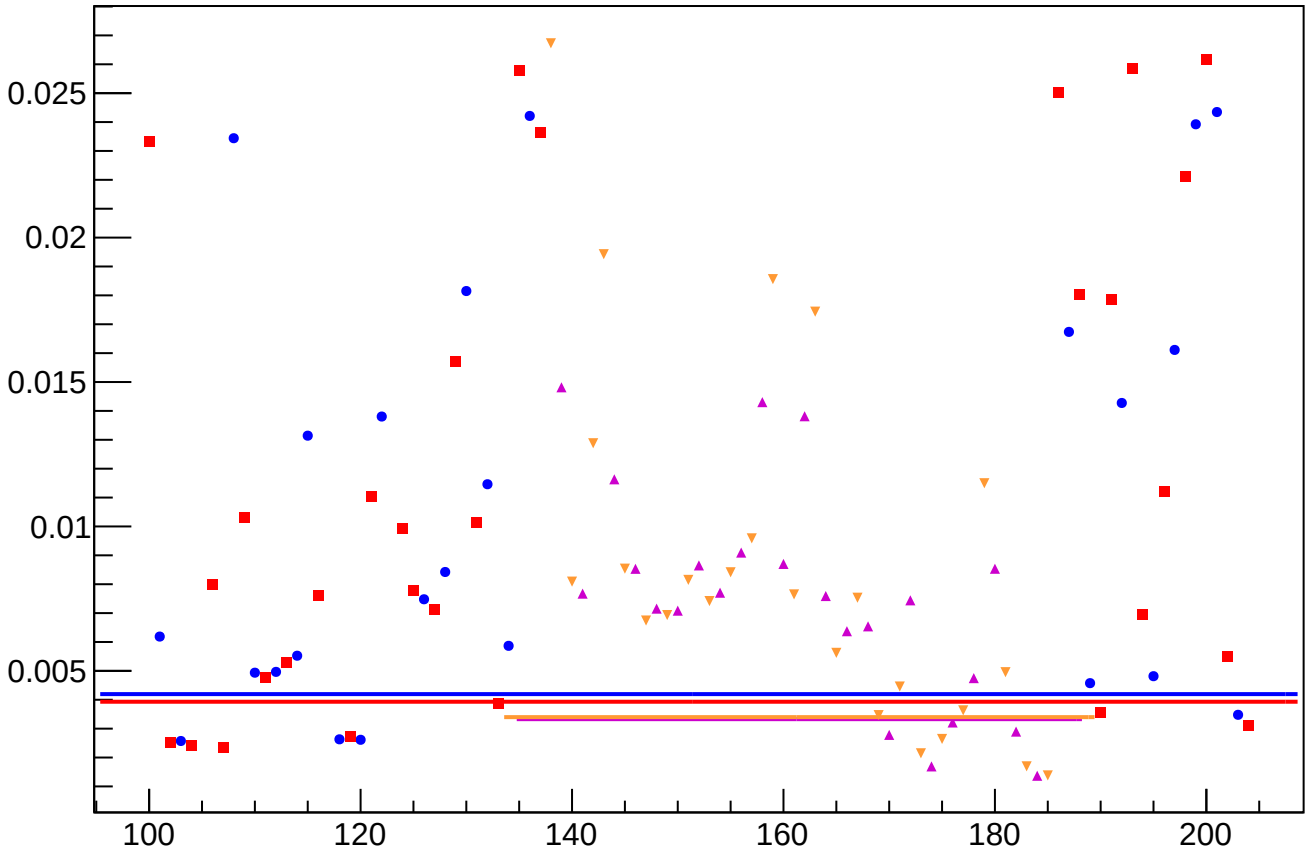
Left: -0.000+/-0.000 χ^2/NDF: 52.7/47

Right: -0.000+/-0.000 χ^2/NDF: 58.6/53

In: -0.000+/-0.000 χ^2/NDF:50.2/46

Out: -0.000+/-0.000 χ^2/NDF:62.0/54

All: -0.000+/-0.000 χ^2/NDF: 112.4/101



Right In: 0.004+/-0.000 χ^2/NDF: 9146079.9/23

Left Out: 0.003+/-0.000 χ^2/NDF:14248948.0/24

Right Out: 0.004+/-0.000 χ^2/NDF: 11290298.7/29

Left In: 0.003+/-0.000 χ^2/NDF:12566501.1/22

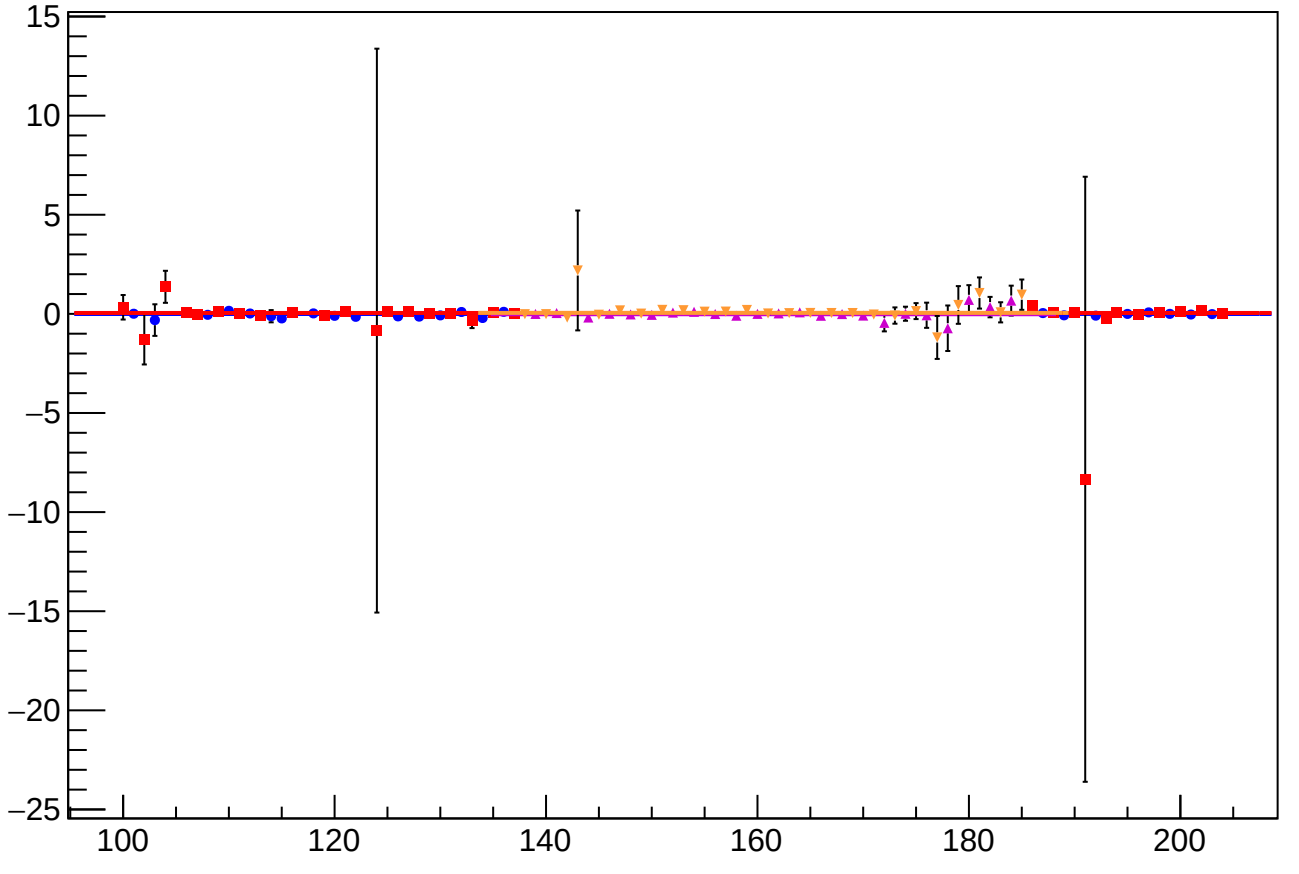
Left: 0.003+/-0.000 χ^2/NDF: 26820032.9/47

Right: 0.004+/-0.000 χ^2/NDF: 20470590.3/53

In: 0.004+/-0.000 χ^2/NDF:22150533.7/46

Out: 0.004+/-0.000 χ^2/NDF:25744455.4/54

All: 0.004+/-0.000 χ^2/NDF: 47895011.3/101



Right In: -0.006+/-0.023 χ^2/NDF: 14.8/23

Left Out: 0.050+/-0.017 χ^2/NDF:24.5/24

Right Out: 0.045+/-0.020 χ^2/NDF: 23.8/29

Left In: -0.019+/-0.017 χ^2/NDF:15.4/22

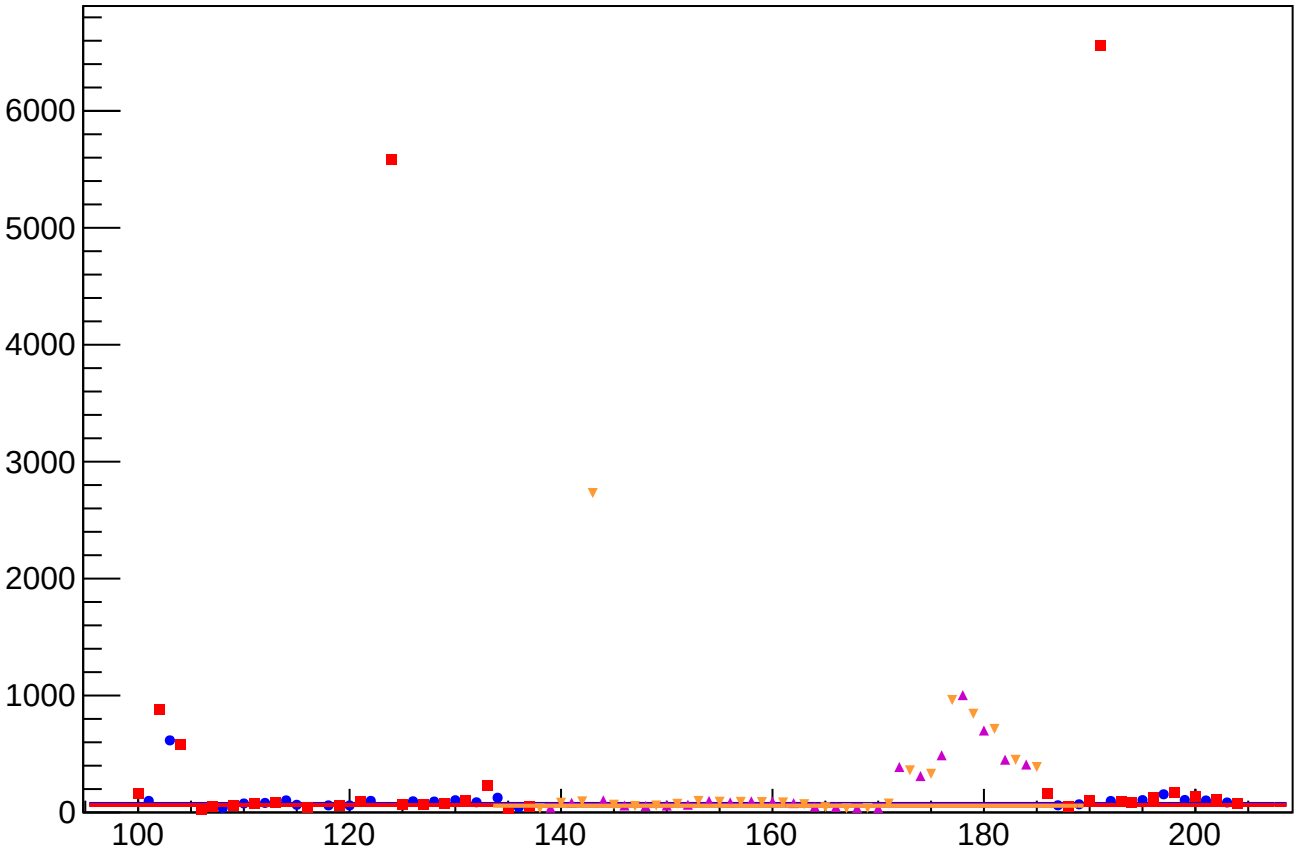
Left: 0.016+/-0.012 χ^2/NDF: 48.0/47

Right: 0.023+/-0.015 χ^2/NDF: 41.5/53

In: -0.014+/-0.014 χ^2/NDF:30.5/46

Out: 0.048+/-0.013 χ^2/NDF:48.3/54

All: 0.018+/-0.009 χ^2/NDF: 89.6/101



Right In: 72.664+/-0.016 χ^2/NDF: 3713589.6/23

Left Out: 57.258+/-0.012 χ^2/NDF:12321763.3/24

Right Out: 63.735+/-0.014 χ^2/NDF: 7139769.7/29

Left In: 58.582+/-0.012 χ^2/NDF:10247153.8/22

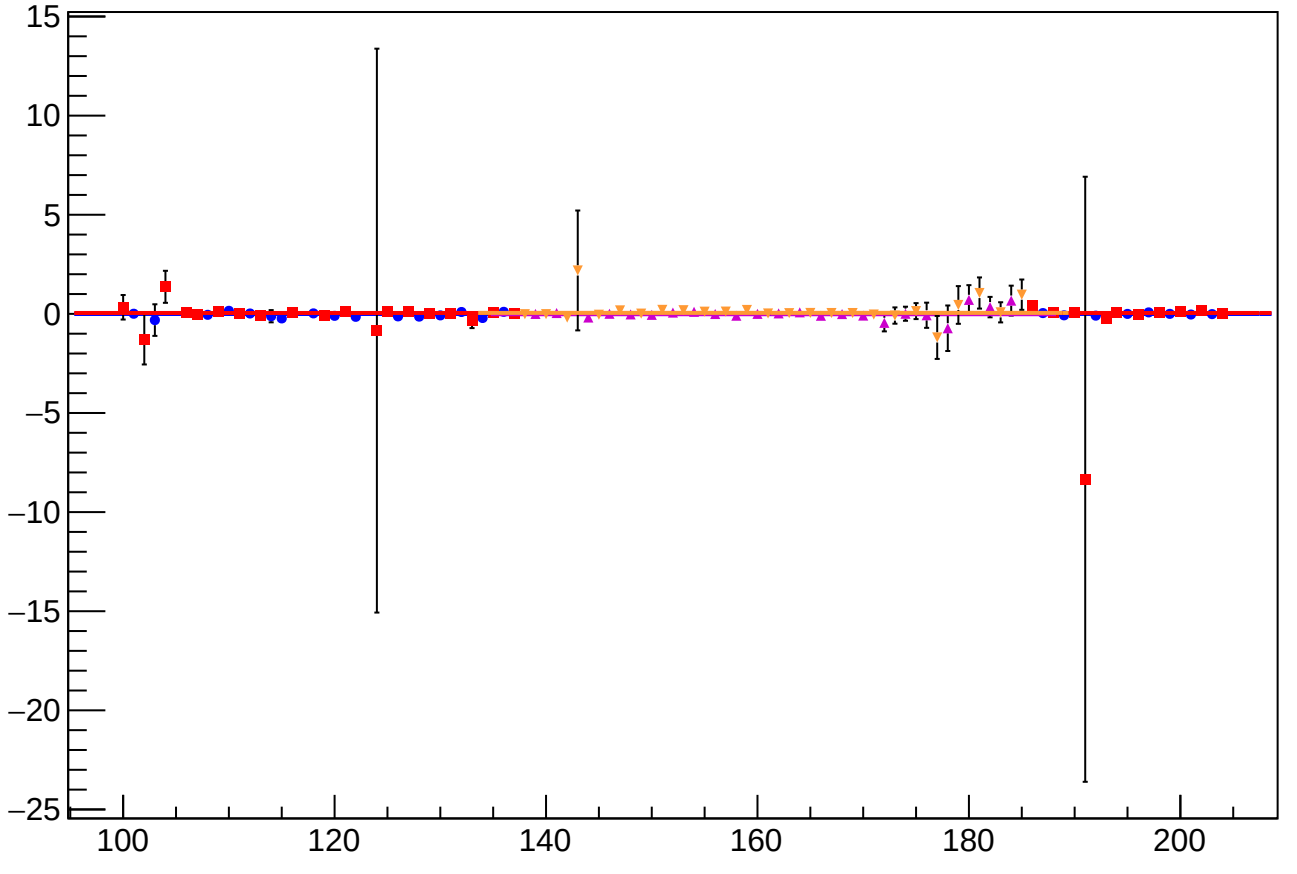
Left: 57.916+/-0.009 χ^2/NDF: 22574928.3/47

Right: 67.628+/-0.011 χ^2/NDF: 11028472.0/53

In: 63.702+/-0.010 χ^2/NDF:14452160.8/46

Out: 59.991+/-0.009 χ^2/NDF:19583646.0/54

All: 61.746+/-0.007 χ^2/NDF: 34113527.7/101



Right In: -0.006+/-0.023 χ^2/NDF: 14.8/23

Left Out: 0.050+/-0.017 χ^2/NDF:24.5/24

Right Out: 0.045+/-0.020 χ^2/NDF: 23.8/29

Left In: -0.019+/-0.017 χ^2/NDF:15.4/22

Left: 0.016+/-0.012 χ^2/NDF: 48.0/47

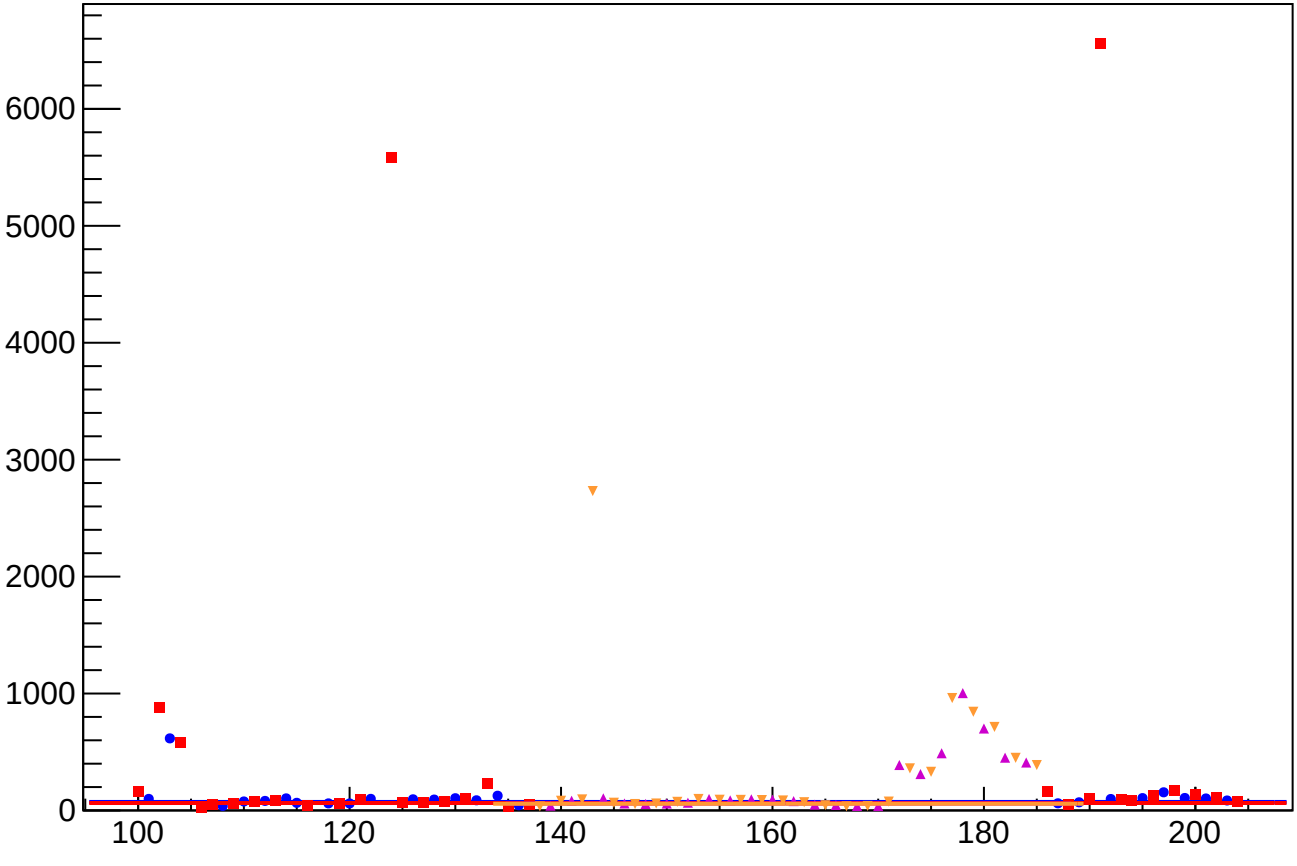
Right: 0.023+/-0.015 χ^2/NDF: 41.5/53

In: -0.014+/-0.014 χ^2/NDF:30.5/46

Out: 0.048+/-0.013 χ^2/NDF:48.3/54

All: 0.018+/-0.009 χ^2/NDF: 89.6/101

asym_at2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 72.664+/-0.016 χ^2/NDF: 3713589.6/23

Left Out: 57.258+/-0.012 χ^2/NDF:12321763.3/24

Right Out: 63.735+/-0.014 χ^2/NDF: 7139769.7/29

Left In: 58.582+/-0.012 χ^2/NDF:10247153.8/22

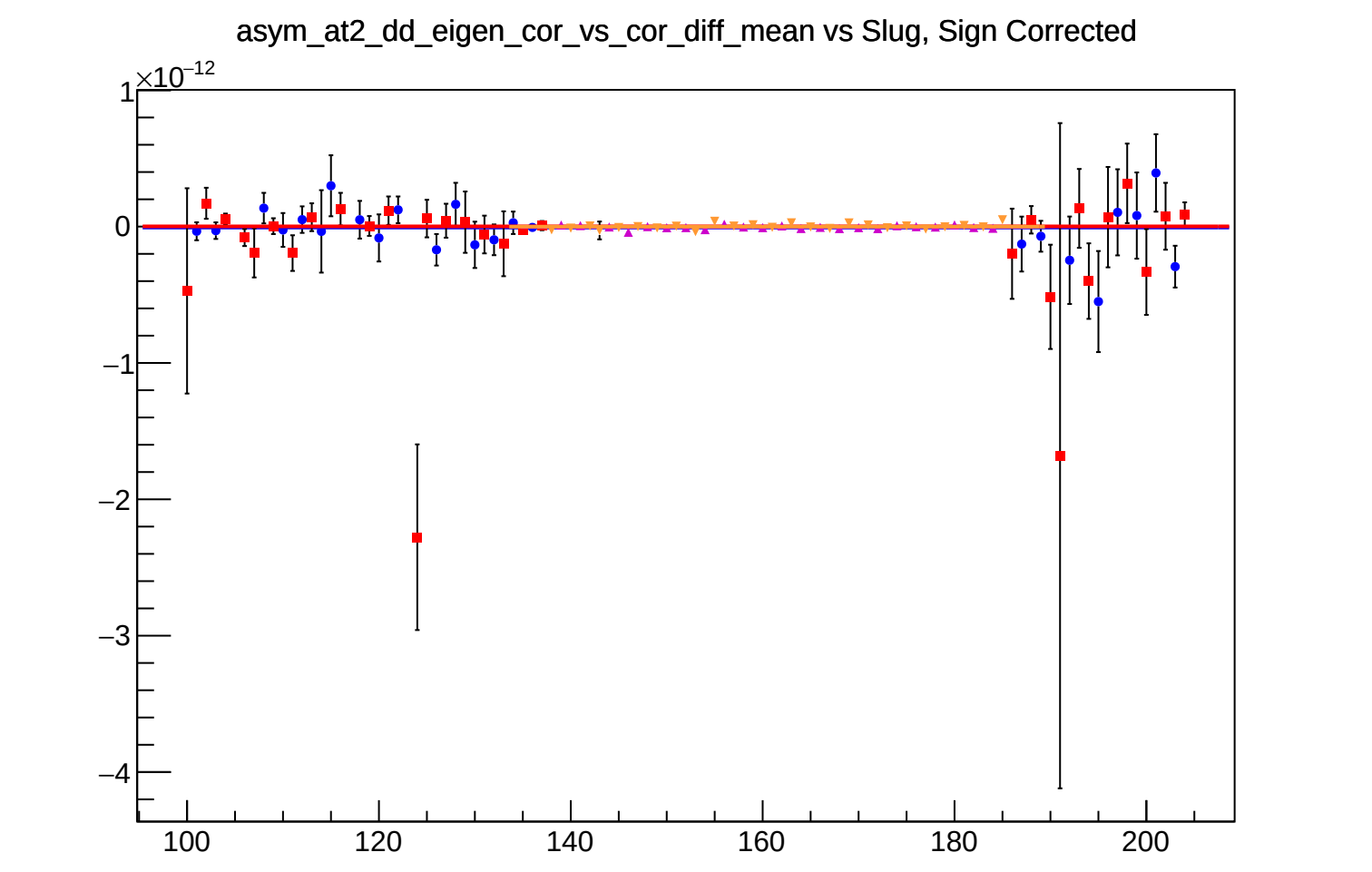
Left: 57.916+/-0.009 χ^2/NDF: 22574928.3/47

Right: 67.628+/-0.011 χ^2/NDF: 11028472.0/53

In: 63.702+/-0.010 χ^2/NDF:14452160.8/46

Out: 59.991+/-0.009 χ^2/NDF:19583646.0/54

All: 61.746+/-0.007 χ^2/NDF: 34113527.7/101



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

Left Out: -0.000+/-0.000 χ^2/NDF:18.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 33.8/29

Left In: -0.000+/-0.000 χ^2/NDF:15.4/22

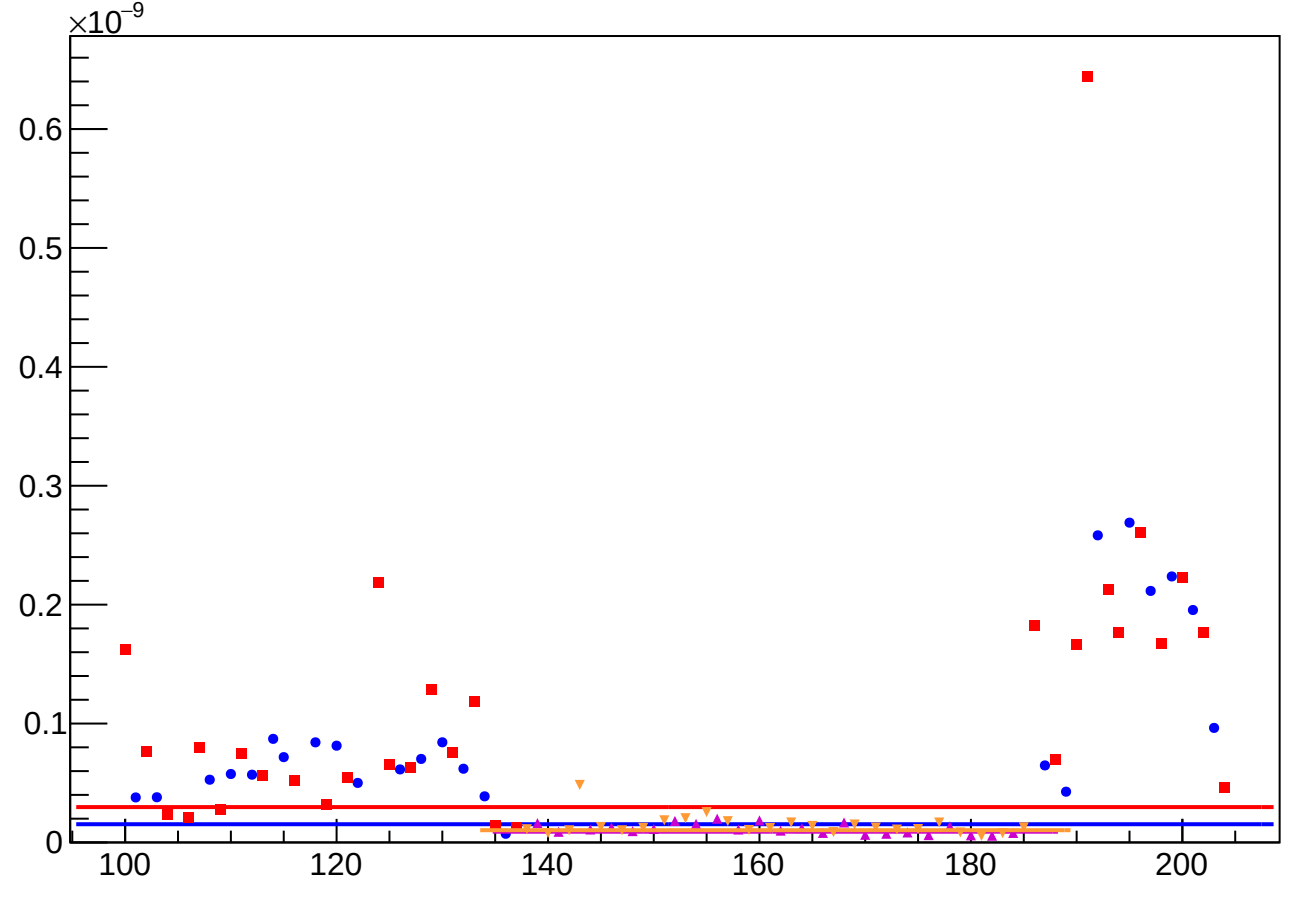
Left: -0.000+/-0.000 χ^2/NDF: 34.5/47

Right: -0.000+/-0.000 χ^2/NDF: 54.0/53

In: -0.000+/-0.000 χ^2/NDF:35.5/46

Out: -0.000+/-0.000 χ^2/NDF:52.6/54

All: -0.000+/-0.000 χ^2/NDF: 88.6/101



Right In: 0.000+/-0.000 χ^2/NDF: 10383434.8/23

Left Out: 0.000+/-0.000 χ^2/NDF:3643428.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9032785.5/29

Left In: 0.000+/-0.000 χ^2/NDF:3047861.1/22

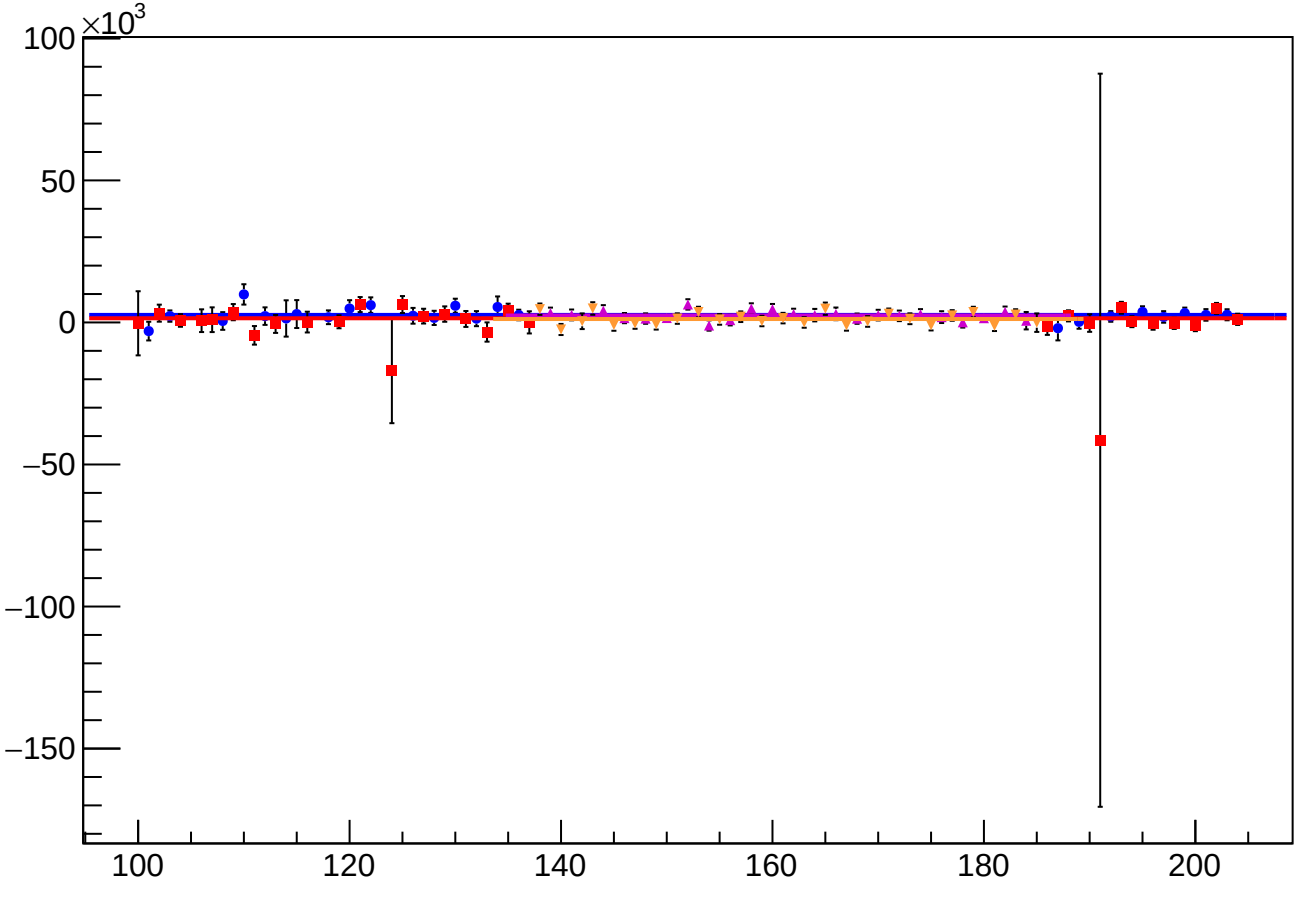
Left: 0.000+/-0.000 χ^2/NDF: 6877548.0/47

Right: 0.000+/-0.000 χ^2/NDF: 20737214.5/53

In: 0.000+/-0.000 χ^2/NDF:14142329.9/46

Out: 0.000+/-0.000 χ^2/NDF:16104784.4/54

All: 0.000+/-0.000 χ^2/NDF: 30573775.6/101



Right In: 2651.556+/-509.915 χ^2/NDF: 15.4/23

Left Out: 1202.401+/-389.137 χ^2/NDF:26.3/24

Right Out: 1465.288+/-484.834 χ^2/NDF: 27.7/29

Left In: 2439.008+/-397.969 χ^2/NDF:17.5/22

Left: 1806.830+/-278.231 χ^2/NDF: 48.7/47

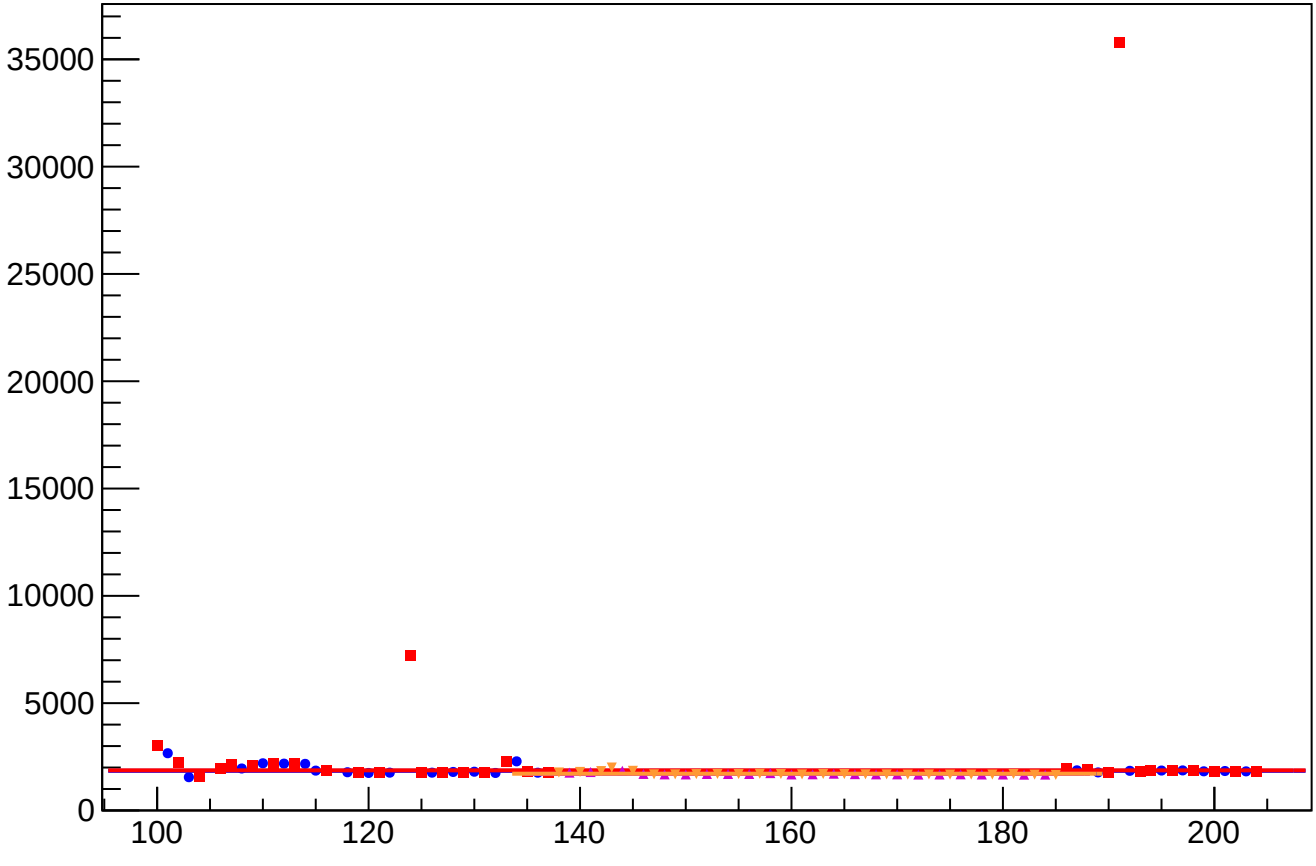
Right: 2028.531+/-351.361 χ^2/NDF: 45.9/53

In: 2519.466+/-313.729 χ^2/NDF:33.0/46

Out: 1305.400+/-303.477 χ^2/NDF:54.2/54

All: 1892.272+/-218.125 χ^2/NDF: 94.9/101

reg_asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 1846.131+/-0.361 χ^2/NDF: 266367.7/23

Left Out: 1711.777+/-0.275 χ^2/NDF:60068.7/24

Right Out: 1869.486+/-0.342 χ^2/NDF: 520444.5/29

Left In: 1703.969+/-0.281 χ^2/NDF:22568.8/22

Left: 1707.960+/-0.197 χ^2/NDF: 83031.0/47

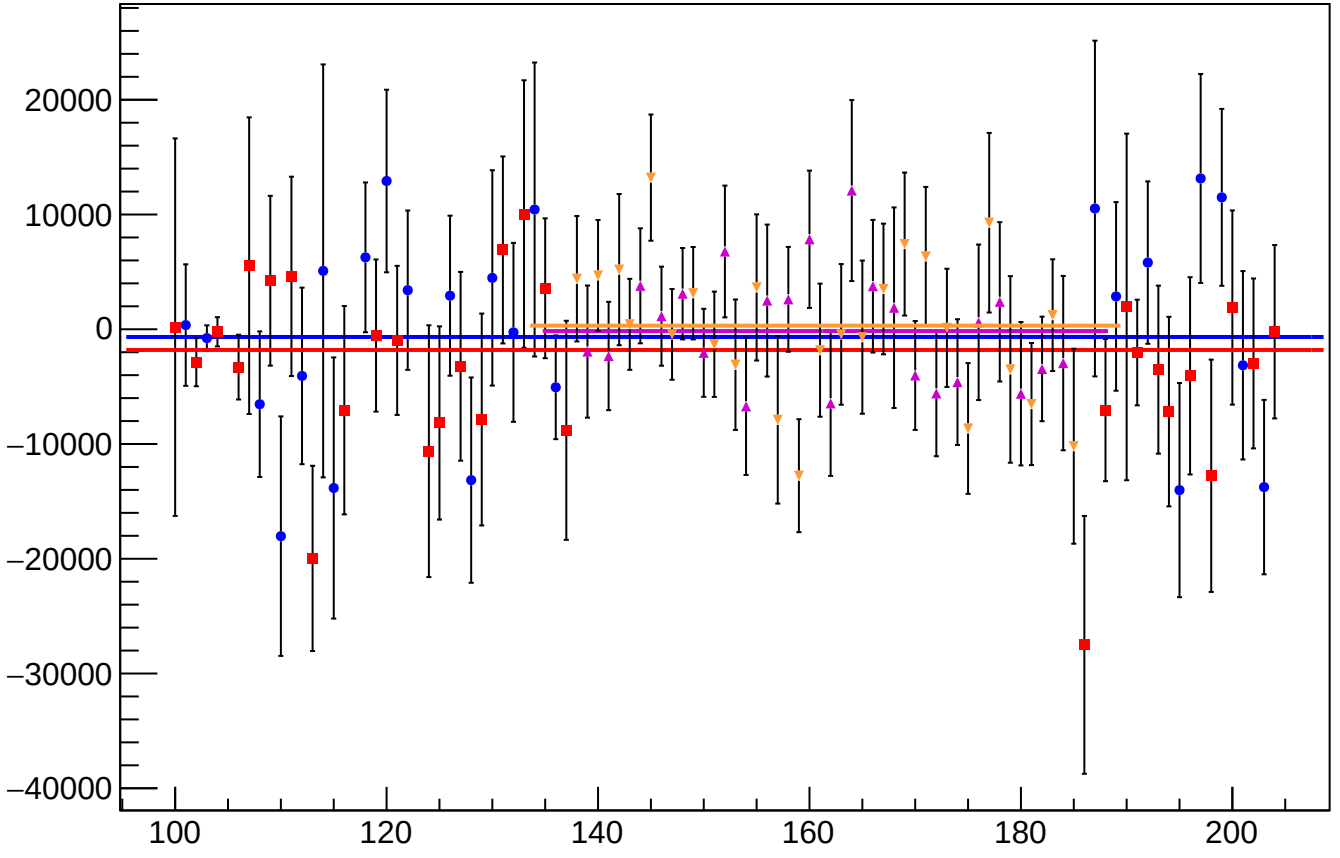
Right: 1858.410+/-0.248 χ^2/NDF: 789018.1/53

In: 1757.783+/-0.222 χ^2/NDF:385544.2/46

Out: 1773.650+/-0.214 χ^2/NDF:709392.9/54

All: 1765.983+/-0.154 χ^2/NDF: 1097580.7/10

asym_atl1r2_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -672.455+/-916.510 χ^2/NDF: 25.4/23

Left Out: 314.051+/-1091.976 χ^2/NDF:27.0/24

Right Out: -1801.829+/-850.058 χ^2/NDF: 22.2/29

Left In: -157.968+/-1128.443 χ^2/NDF:14.7/22

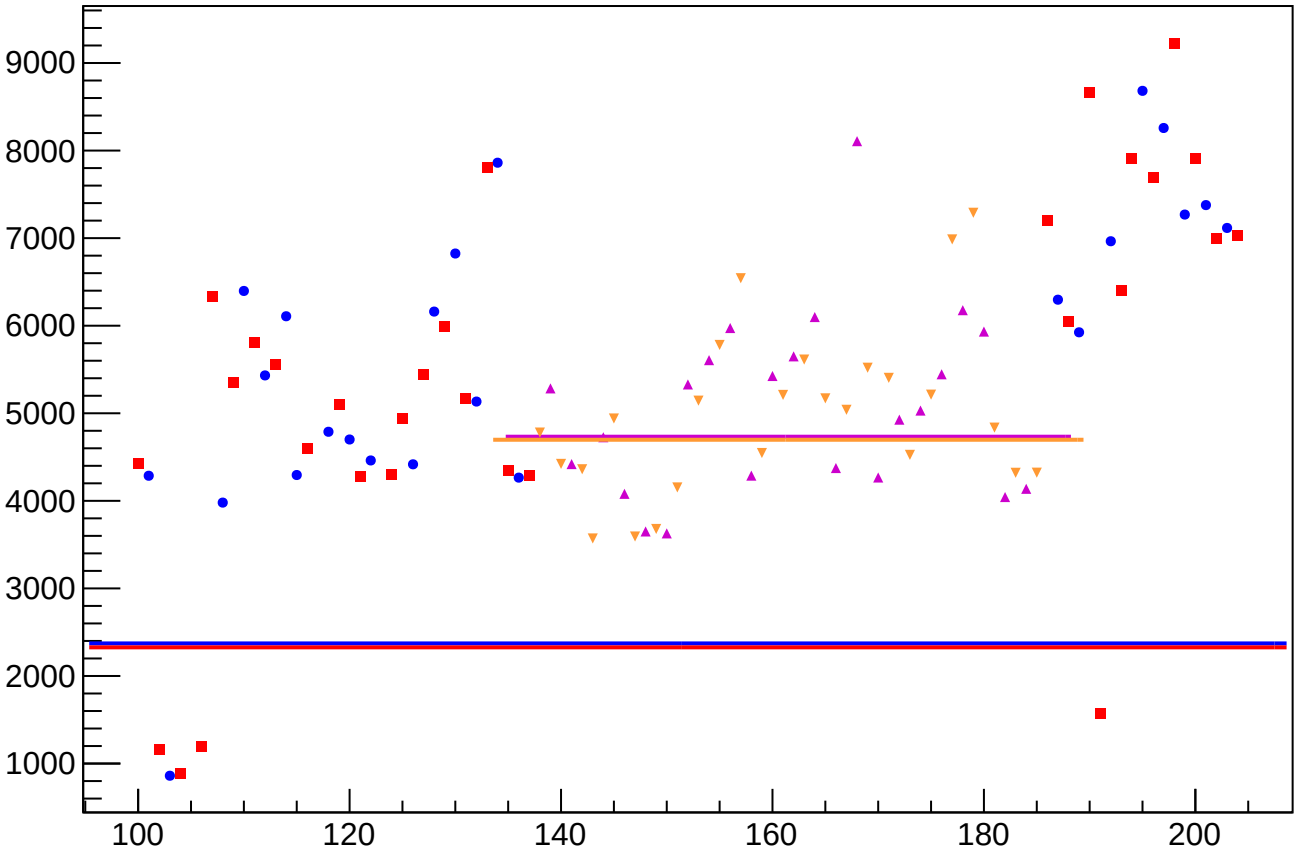
Left: 85.792+/-784.719 χ^2/NDF: 41.8/47

Right: -1279.565+/-623.252 χ^2/NDF: 48.5/53

In: -467.965+/-711.424 χ^2/NDF:40.2/46

Out: -1003.436+/-670.774 χ^2/NDF:51.6/54

All: -751.435+/-488.047 χ^2/NDF: 92.1/101



Right In: 2371.772+/-0.648 χ^2/NDF: 12842234.1/23

Left Out: 4697.622+/-0.772 χ^2/NDF:1239373.0/24

Right Out: 2326.835+/-0.601 χ^2/NDF: 14371233.6/29

Left In: 4732.424+/-0.798 χ^2/NDF:1242793.9/22

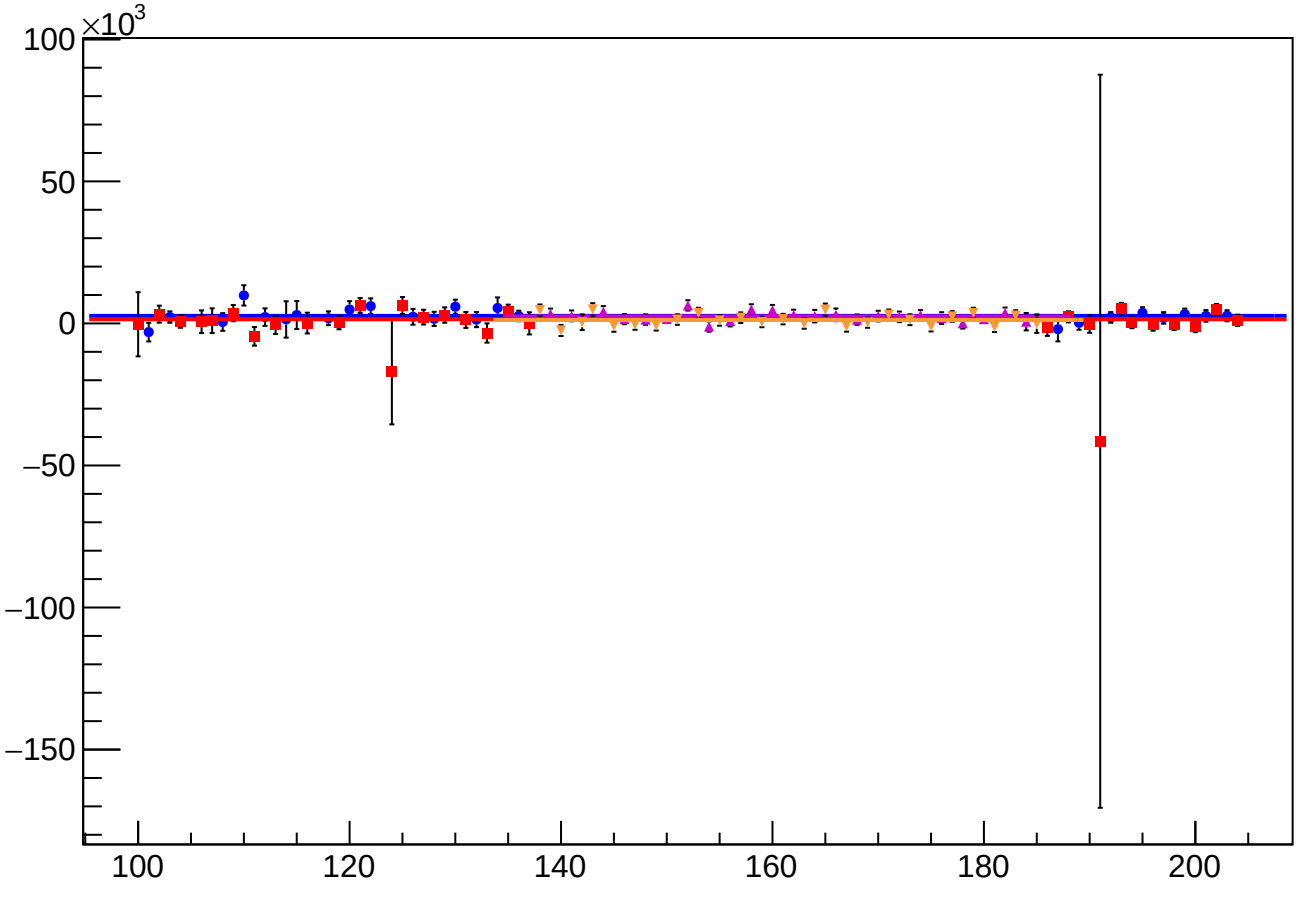
Left: 4714.452+/-0.555 χ^2/NDF: 2483149.3/47

Right: 2347.616+/-0.441 χ^2/NDF: 27216052.3/53

In: 3310.047+/-0.503 χ^2/NDF:19358748.7/46

Out: 3221.413+/-0.474 χ^2/NDF:21480689.6/54

All: 3263.126+/-0.345 χ^2/NDF: 40855872.3/



Right In: 2651.729+/-509.915 χ^2/NDF: 15.4/23

Left Out: 1202.304+/-389.137 χ^2/NDF:26.3/24

Right Out: 1464.657+/-484.834 χ^2/NDF: 27.7/29

Left In: 2438.940+/-397.969 χ^2/NDF:17.5/22

Left: 1806.747+/-278.231 χ^2/NDF: 48.7/47

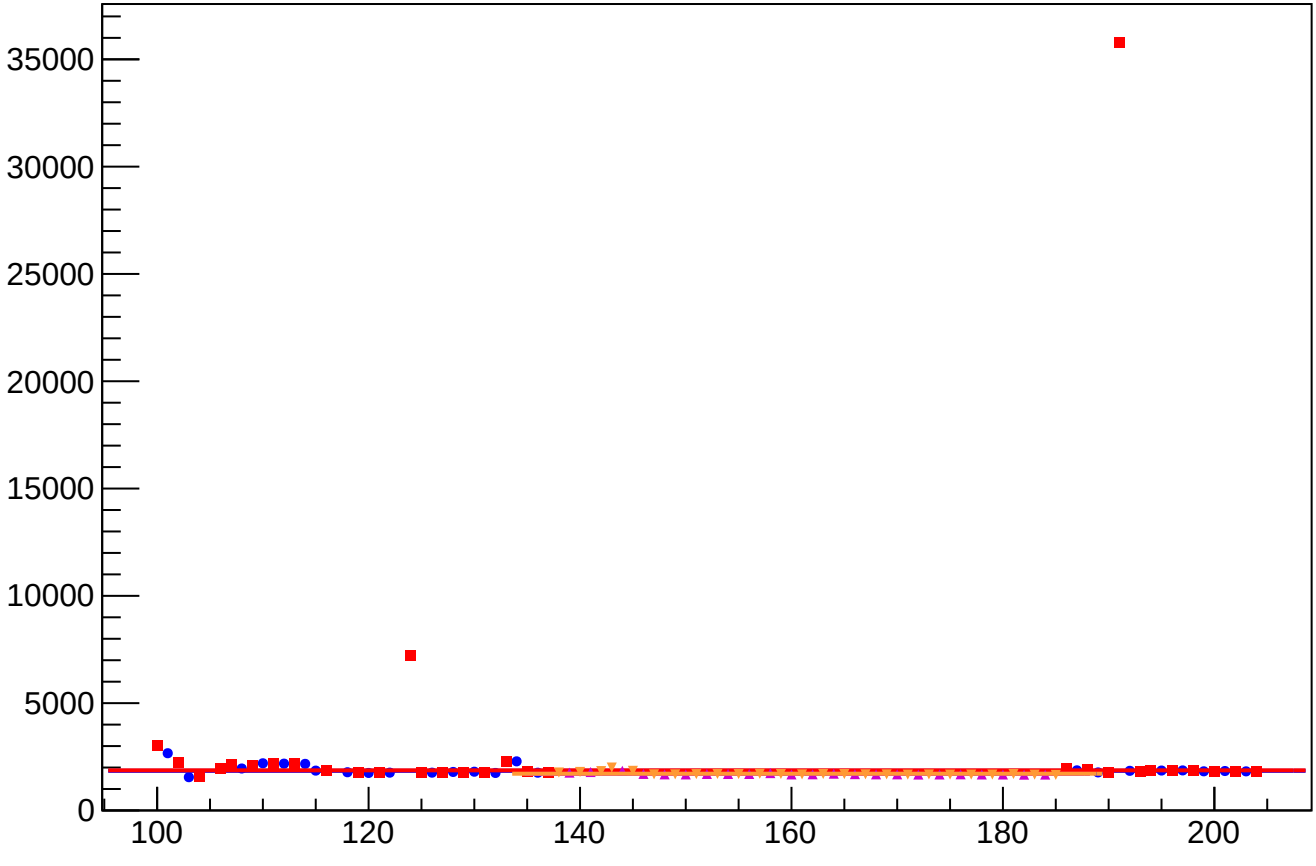
Right: 2028.282+/-351.361 χ^2/NDF: 45.9/53

In: 2519.490+/-313.729 χ^2/NDF:33.0/46

Out: 1305.094+/-303.477 χ^2/NDF:54.2/54

All: 1892.125+/-218.125 χ^2/NDF: 94.9/101

cor_asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 1846.131+/-0.361 χ^2/NDF: 266367.6/23

Left Out: 1711.777+/-0.275 χ^2/NDF:60068.7/24

Right Out: 1869.698+/-0.342 χ^2/NDF: 520766.6/29

Left In: 1703.969+/-0.281 χ^2/NDF:22568.8/22

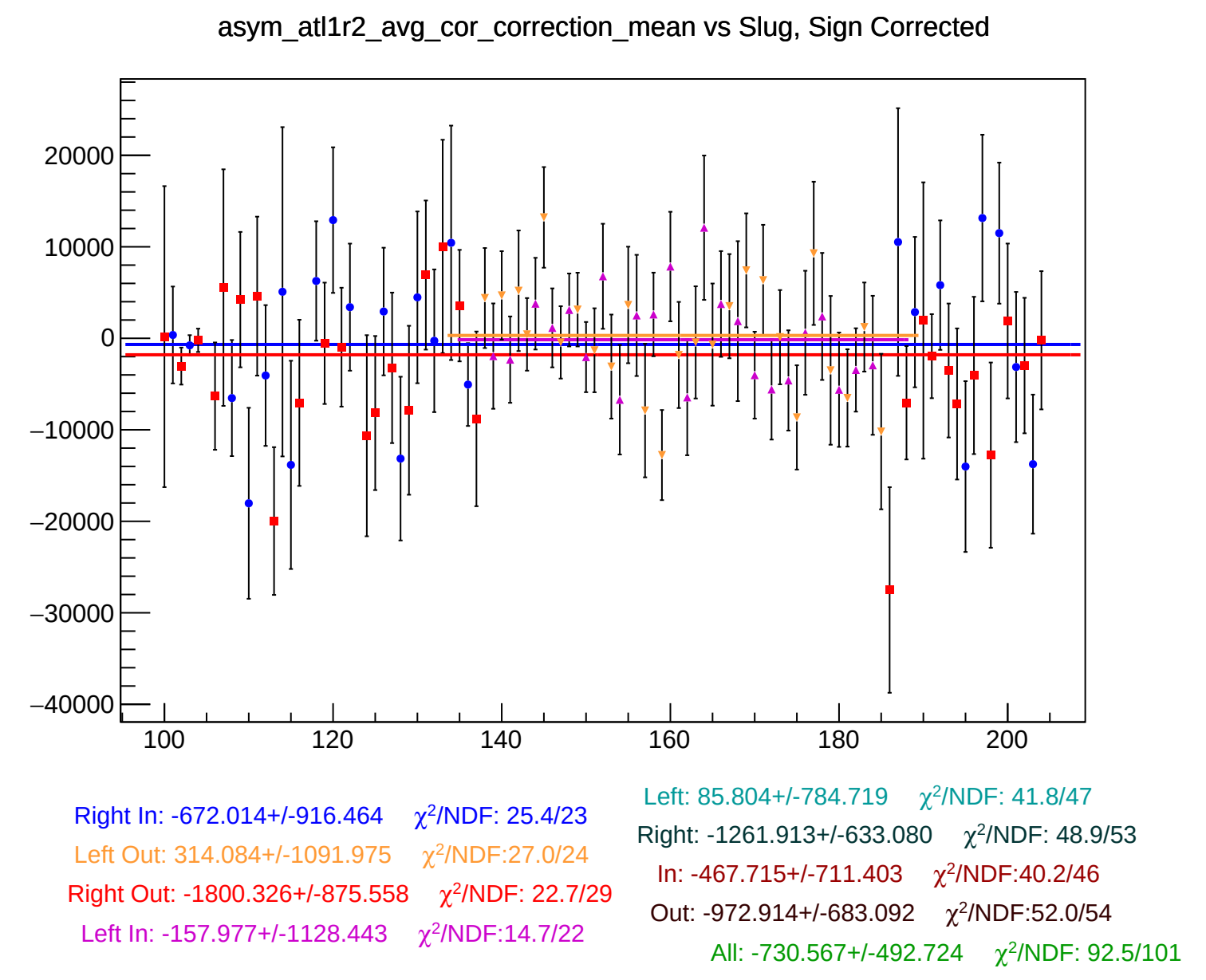
Left: 1707.960+/-0.197 χ^2/NDF: 83031.0/47

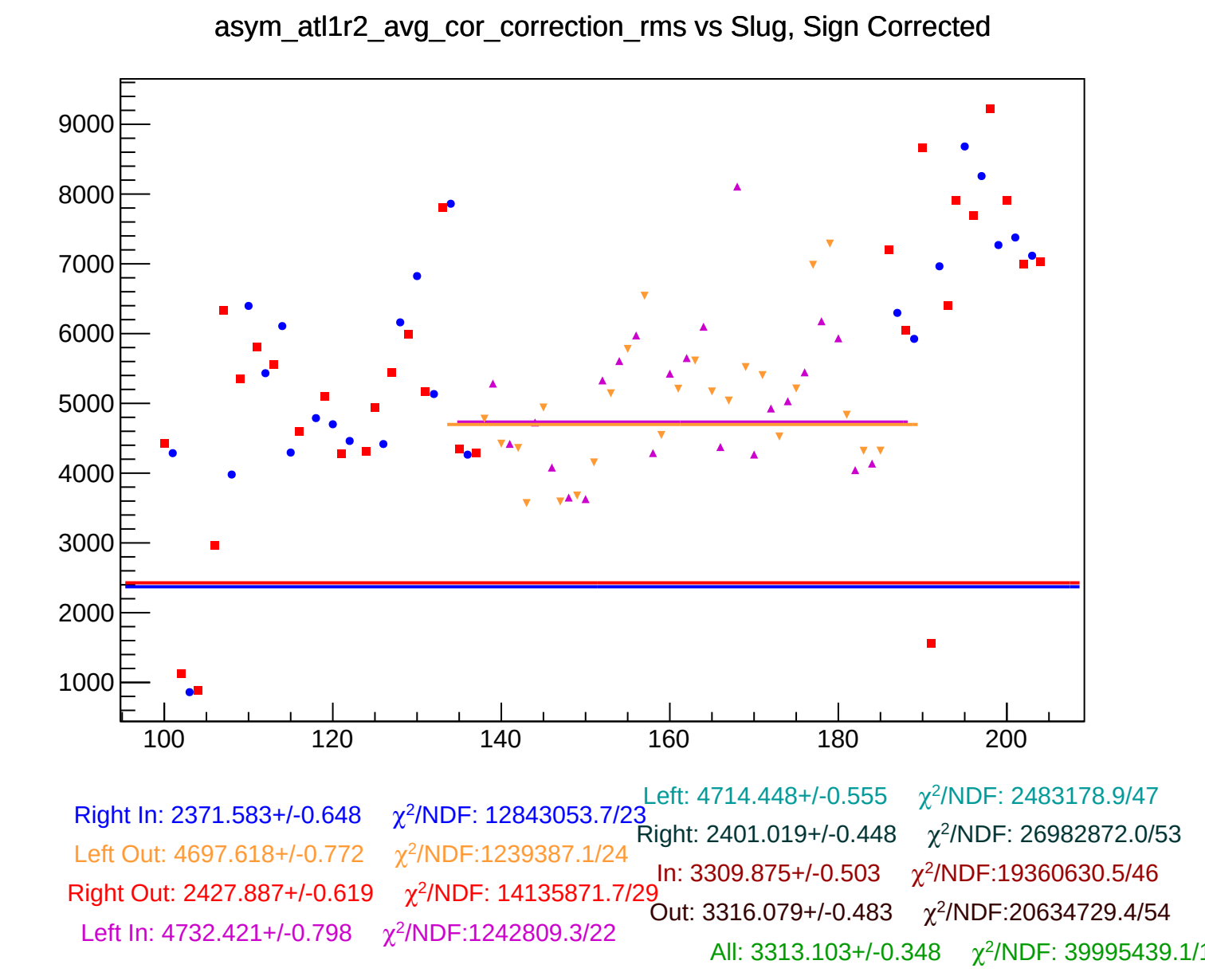
Right: 1858.520+/-0.248 χ^2/NDF: 789380.0/53

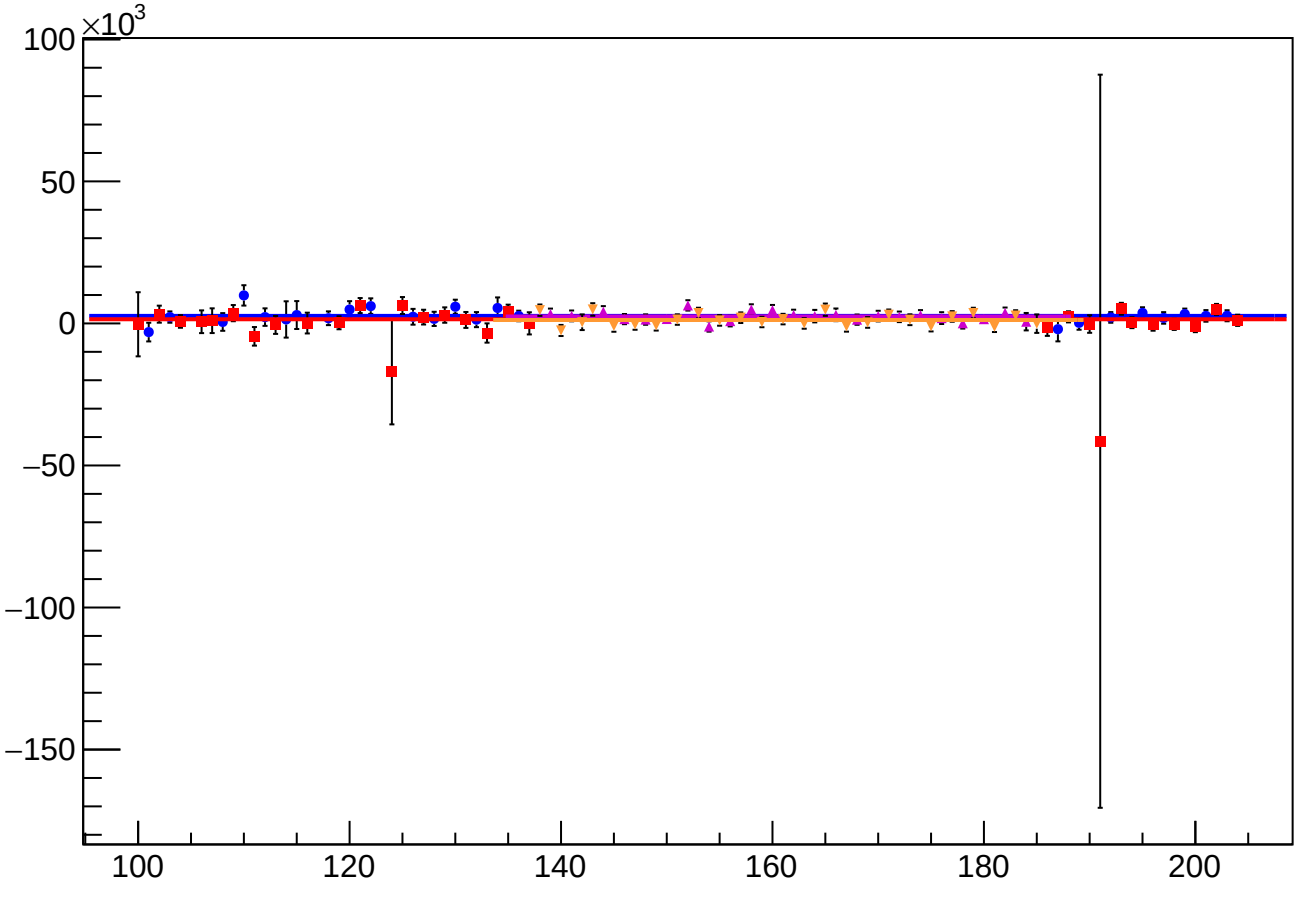
In: 1757.783+/-0.222 χ^2/NDF:385544.0/46

Out: 1773.725+/-0.215 χ^2/NDF:710044.0/54

All: 1766.022+/-0.154 χ^2/NDF: 1098256.6/10


asym_atl1r2_avg_cor_correction_mean vs Slug, Sign Corrected
20000
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
Right In: -672.014+/-916.464 χ²/NDF: 25.4/23
Left Out: 314.084+/-1091.975 χ²/NDF:27.0/24
Right Out: -1800.326+/-875.558 χ²/NDF: 22.7/29
Left In: -157.977+/-1128.443 χ²/NDF:14.7/22
Left: 85.804+/-784.719 χ²/NDF: 41.8/47
Right: -1261.913+/-633.080 χ²/NDF: 48.9/53
In: -467.715+/-711.403 χ²/NDF:40.2/46
Out: -972.914+/-683.092 χ²/NDF:52.0/54
All: -730.567+/-492.724 χ²/NDF: 92.5/101


asym_atl1r2_avg_cor_correction_rms vs Slug, Sign Corrected
9000
8000
7000
6000
5000
4000
3000
2000
1000
100
120
140
160
180
200
Right In: 2371.583+/-0.648 χ²/NDF: 12843053.7/23
Left Out: 4697.618+/-0.772 χ²/NDF:1239387.1/24
Right Out: 2427.887+/-0.619 χ²/NDF: 14135871.7/29
Left In: 4732.421+/-0.798 χ²/NDF:1242809.3/22
Left: 4714.448+/-0.555 χ²/NDF: 2483178.9/47
Right: 2401.019+/-0.448 χ²/NDF: 26982872.0/53
In: 3309.875+/-0.503 χ²/NDF:19360630.5/46
Out: 3316.079+/-0.483 χ²/NDF:20634729.4/54
All: 3313.103+/-0.348 χ²/NDF: 39995439.1/1



Right In: 2651.729+/-509.915 χ^2/NDF: 15.4/23

Left Out: 1202.304+/-389.137 χ^2/NDF:26.3/24

Right Out: 1464.657+/-484.834 χ^2/NDF: 27.7/29

Left In: 2438.940+/-397.969 χ^2/NDF:17.5/22

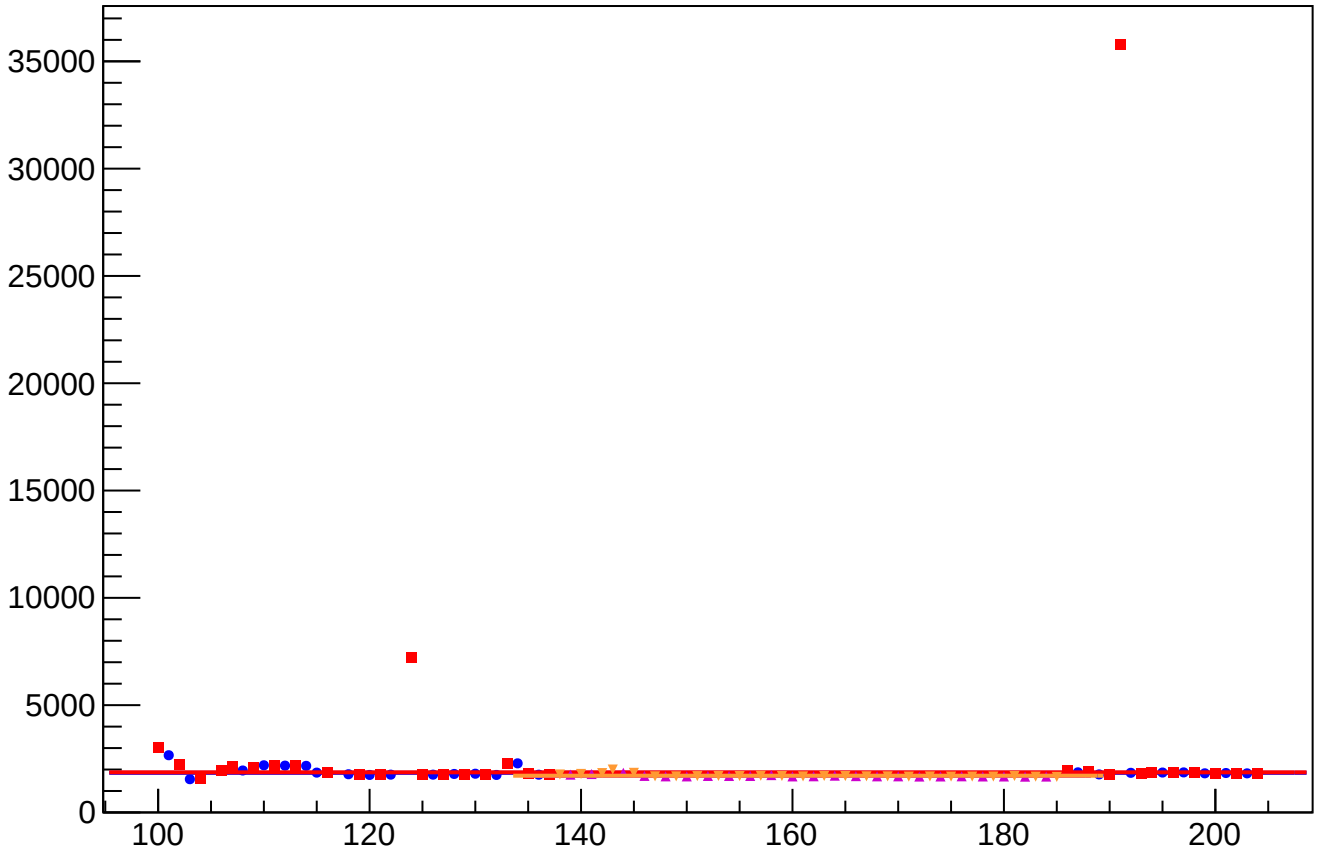
Left: 1806.747+/-278.231 χ^2/NDF: 48.7/47

Right: 2028.282+/-351.361 χ^2/NDF: 45.9/53

In: 2519.490+/-313.729 χ^2/NDF:33.0/46

Out: 1305.094+/-303.477 χ^2/NDF:54.2/54

All: 1892.125+/-218.125 χ^2/NDF: 94.9/101



Right In: 1846.131+/-0.361 χ^2/NDF: 266367.6/23

Left Out: 1711.777+/-0.275 χ^2/NDF:60068.7/24

Right Out: 1869.698+/-0.342 χ^2/NDF: 520766.6/29

Left In: 1703.969+/-0.281 χ^2/NDF:22568.8/22

Left: 1707.960+/-0.197 χ^2/NDF: 83031.0/47

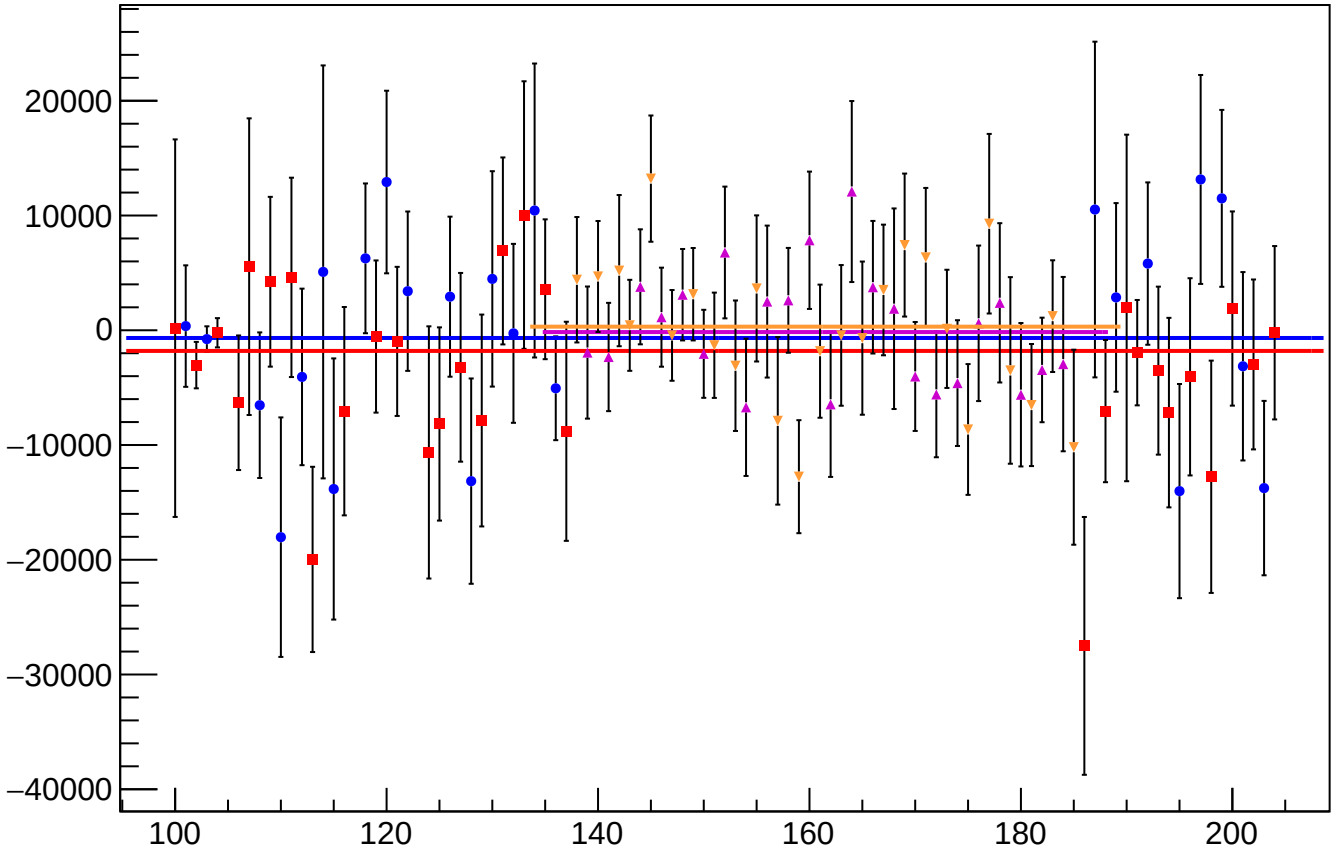
Right: 1858.520+/-0.248 χ^2/NDF: 789380.0/53

In: 1757.783+/-0.222 χ^2/NDF:385544.0/46

Out: 1773.725+/-0.215 χ^2/NDF:710044.0/54

All: 1766.022+/-0.154 χ^2/NDF: 1098256.6/10

asym_atl1r2_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -672.014+/-916.464 χ^2/NDF: 25.4/23

Left Out: 314.084+/-1091.975 χ^2/NDF:27.0/24

Right Out: -1800.326+/-875.558 χ^2/NDF: 22.7/29

Left In: -157.977+/-1128.443 χ^2/NDF:14.7/22

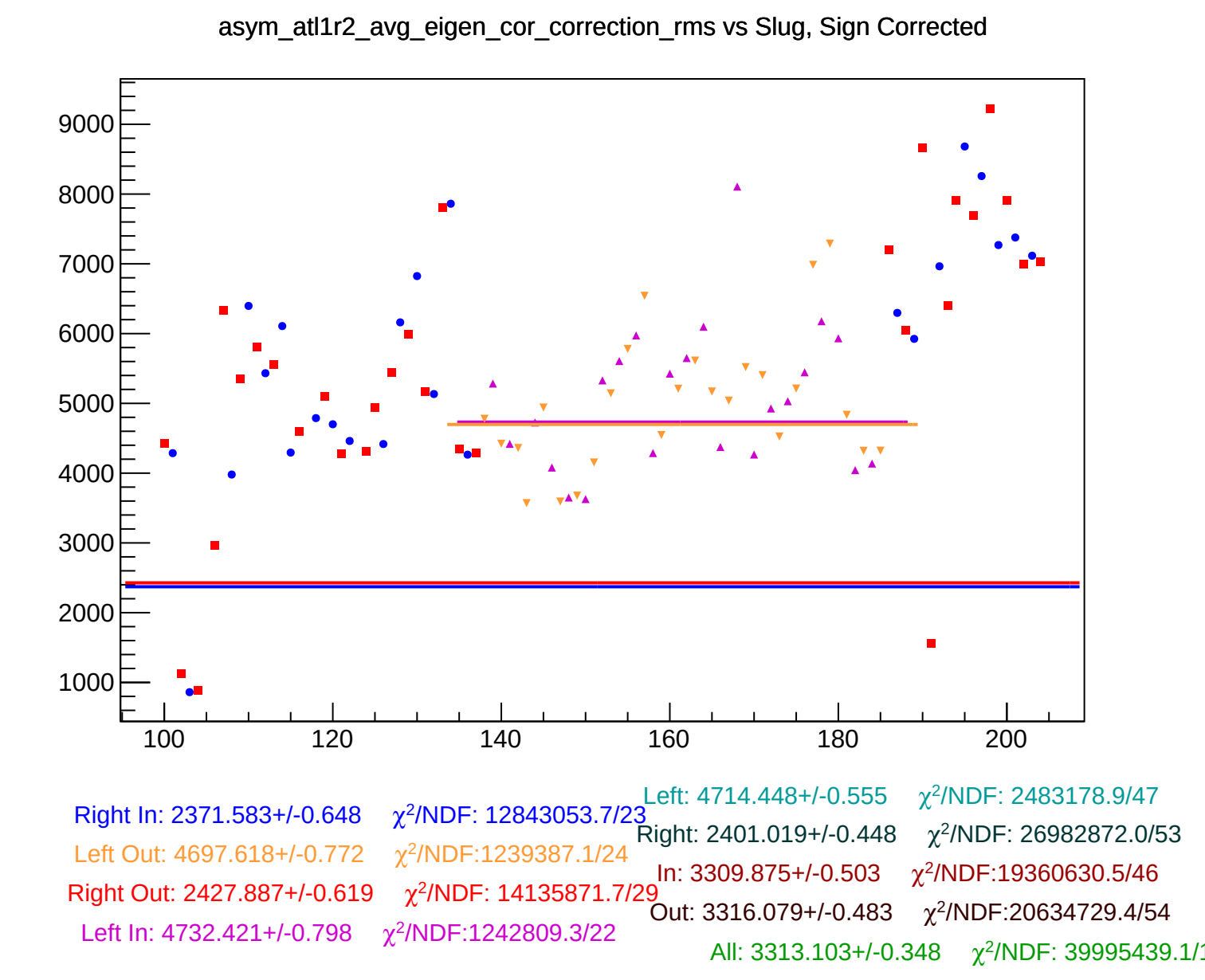
Left: 85.804+/-784.719 χ^2/NDF: 41.8/47

Right: -1261.913+/-633.080 χ^2/NDF: 48.9/53

In: -467.715+/-711.403 χ^2/NDF:40.2/46

Out: -972.914+/-683.092 χ^2/NDF:52.0/54

All: -730.567+/-492.724 χ^2/NDF: 92.5/101


asym_atl1r2_avg_eigen_cor_correction_rms vs Slug, Sign Corrected
9000
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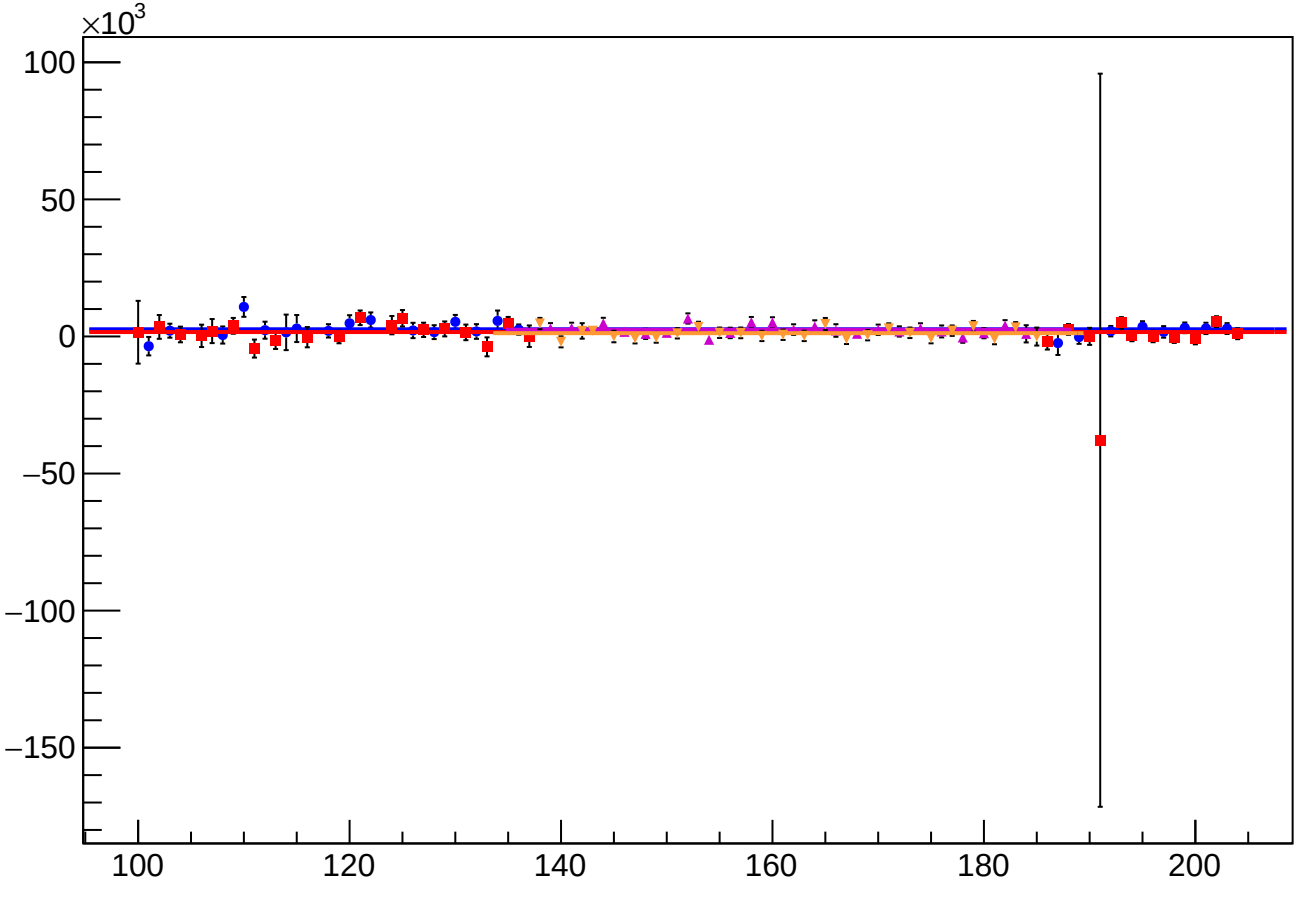
100
120
140
160
180
200
Right In: 2371.583+/-0.648 χ²/NDF: 12843053.7/23
Left Out: 4697.618+/-0.772 χ²/NDF:1239387.1/24
Right Out: 2427.887+/-0.619 χ²/NDF: 14135871.7/29
Left In: 4732.421+/-0.798 χ²/NDF:1242809.3/22
Left: 4714.448+/-0.555 χ²/NDF: 2483178.9/47
Right: 2401.019+/-0.448 χ²/NDF: 26982872.0/53
In: 3309.875+/-0.503 χ²/NDF:19360630.5/46
Out: 3316.079+/-0.483 χ²/NDF:20634729.4/54
All: 3313.103+/-0.348 χ²/NDF: 39995439.1/1



Right In: 2612.852+/-522.961 χ^2/NDF: 16.5/23

Left Out: 1197.362+/-392.981 χ^2/NDF:19.5/24

Right Out: 1608.590+/-493.263 χ^2/NDF: 29.2/29

Left In: 2438.062+/-407.551 χ^2/NDF:20.6/22

Left: 1795.138+/-282.890 χ^2/NDF: 44.9/47

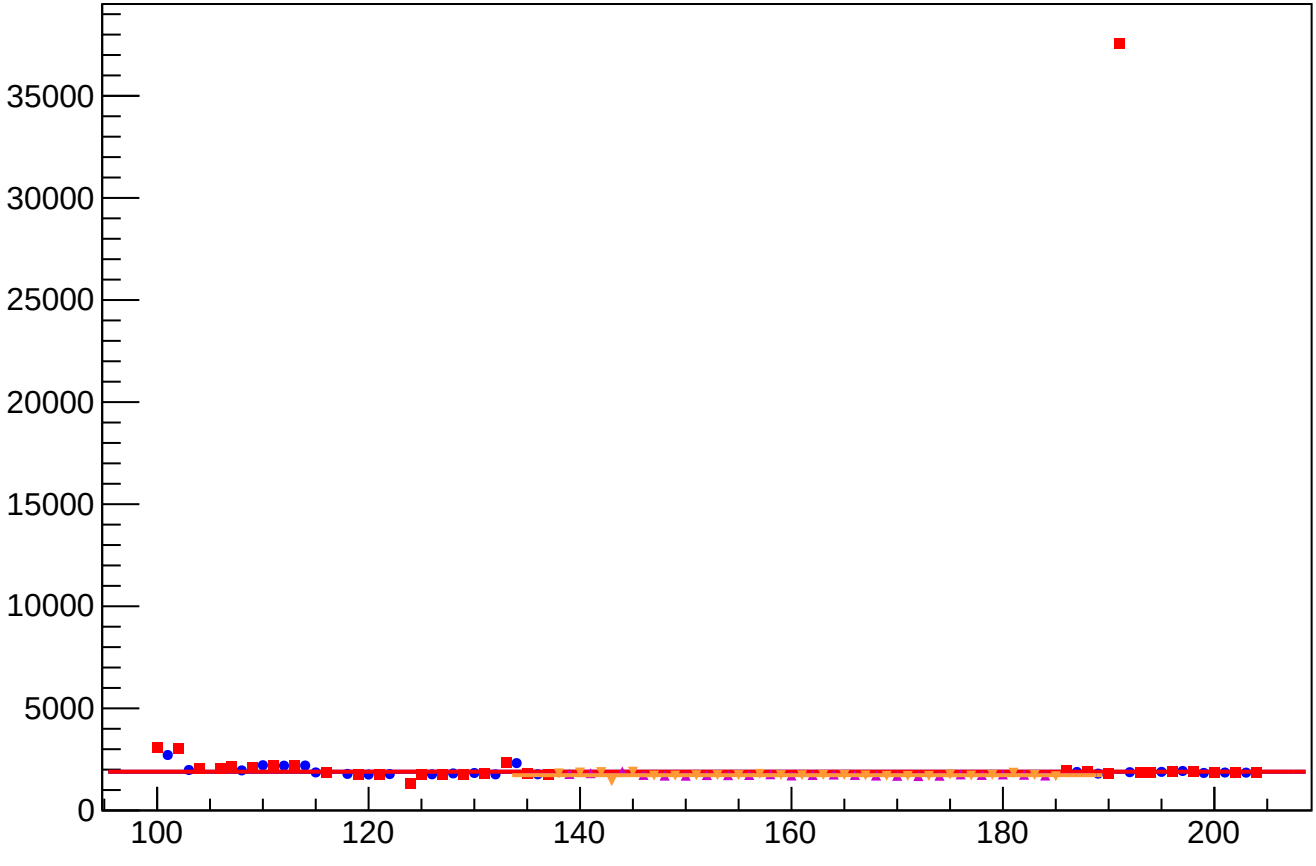
Right: 2081.398+/-358.830 χ^2/NDF: 47.7/53

In: 2504.107+/-321.462 χ^2/NDF:37.1/46

Out: 1357.032+/-307.362 χ^2/NDF:49.1/54

All: 1904.861+/-222.155 χ^2/NDF: 92.9/101

dit_asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 1894.147+/-0.370 χ^2/NDF: 224637.9/23

Left Out: 1727.235+/-0.278 χ^2/NDF:110270.9/24

Right Out: 1898.731+/-0.349 χ^2/NDF: 501323.8/29

Left In: 1744.633+/-0.288 χ^2/NDF:26798.0/22

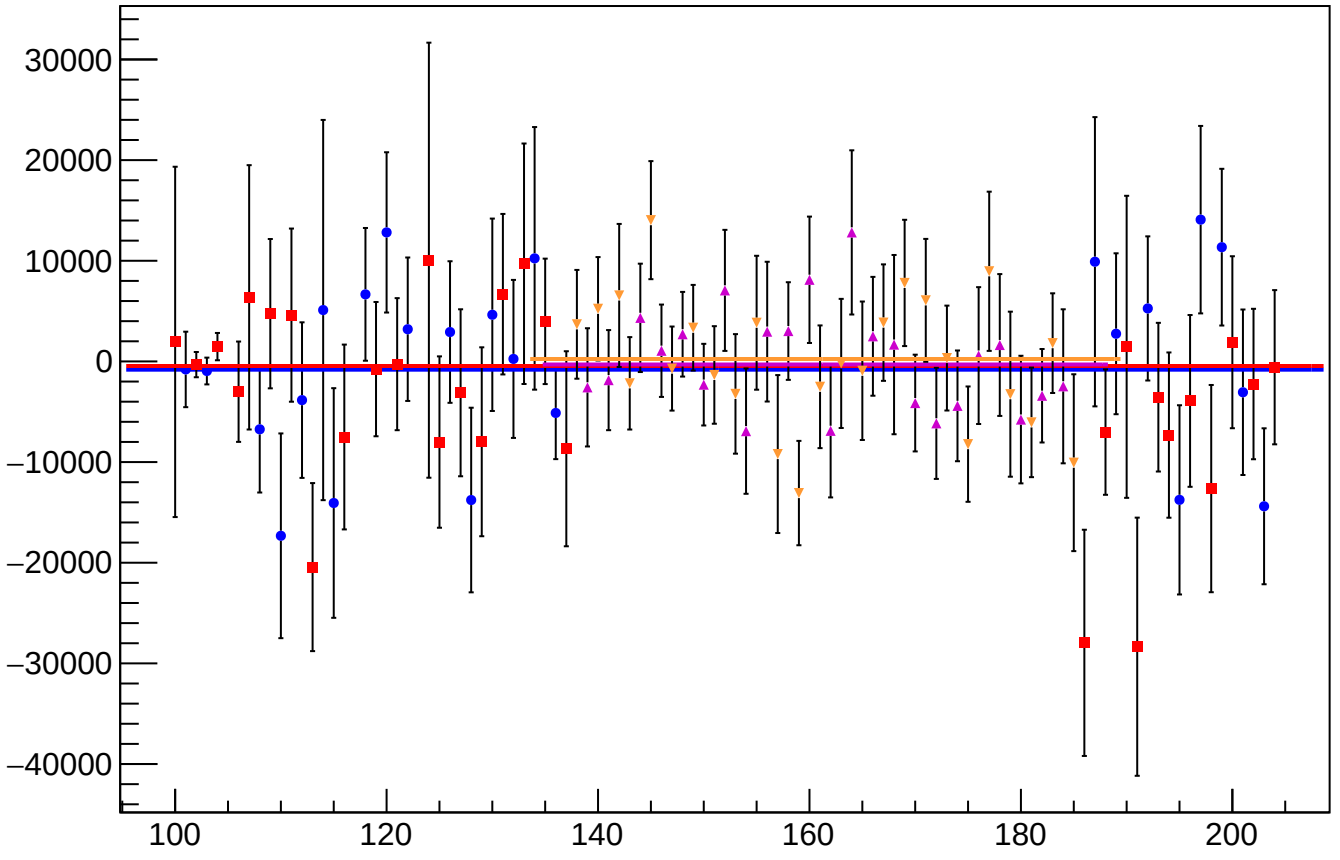
Left: 1735.617+/-0.200 χ^2/NDF: 138957.4/47

Right: 1896.574+/-0.254 χ^2/NDF: 726043.0/53

In: 1801.127+/-0.227 χ^2/NDF:353142.2/46

Out: 1793.854+/-0.217 χ^2/NDF:759553.1/54

All: 1797.327+/-0.157 χ^2/NDF: 1113230.2/10



Right In: -819.501+/-1009.984 χ^2/NDF: 25.4/23

Left Out: 241.131+/-1140.961 χ^2/NDF:26.7/24

Right Out: -454.751+/-795.255 χ^2/NDF: 28.7/29

Left In: -306.106+/-1171.019 χ^2/NDF:14.5/22

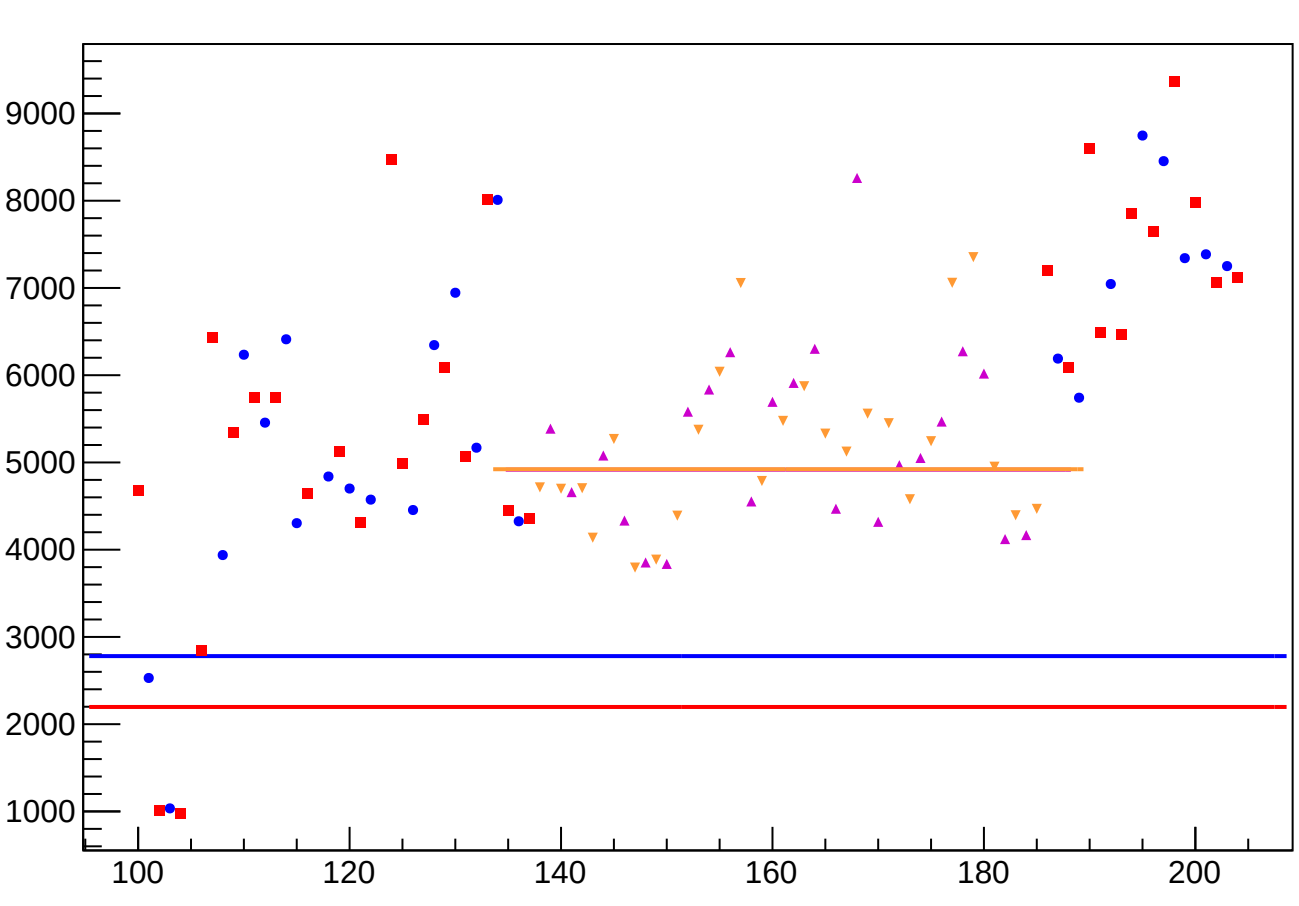
Left: -25.374+/-817.201 χ^2/NDF: 41.3/47

Right: -594.345+/-624.814 χ^2/NDF: 54.2/53

In: -600.505+/-764.815 χ^2/NDF:40.0/46

Out: -227.219+/-652.415 χ^2/NDF:55.6/54

All: -384.442+/-496.356 χ^2/NDF: 95.8/101



Right In: 2780.354+/-0.714 χ^2/NDF: 10691927.9/23

Left Out: 4922.380+/-0.807 χ^2/NDF:1050408.0/24

Right Out: 2197.275+/-0.562 χ^2/NDF: 15391695.9/29

Left In: 4916.964+/-0.828 χ^2/NDF:1161642.5/22

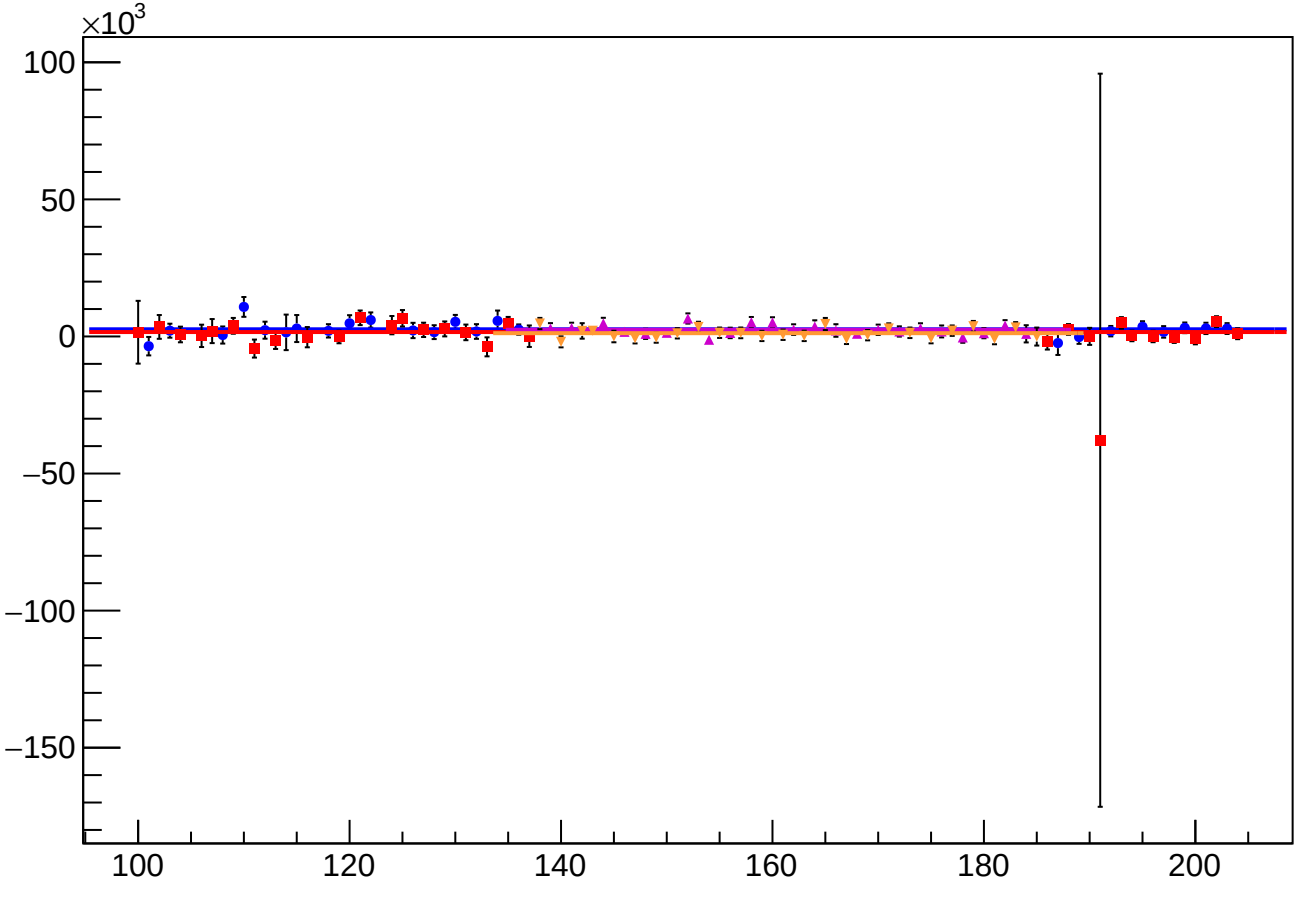
Left: 4919.742+/-0.578 χ^2/NDF: 2212072.5/47

Right: 2420.426+/-0.442 χ^2/NDF: 26495097.7/53

In: 3691.758+/-0.541 χ^2/NDF:15671579.5/46

Out: 3088.300+/-0.461 χ^2/NDF:24120847.2/54

All: 3342.468+/-0.351 χ^2/NDF: 40513118.2/1



Right In: 2612.850+/-522.961 χ^2/NDF: 16.5/23

Left Out: 1197.356+/-392.981 χ^2/NDF:19.5/24

Right Out: 1608.591+/-493.263 χ^2/NDF: 29.2/29

Left In: 2438.062+/-407.552 χ^2/NDF:20.6/22

Left: 1795.135+/-282.891 χ^2/NDF: 44.9/47

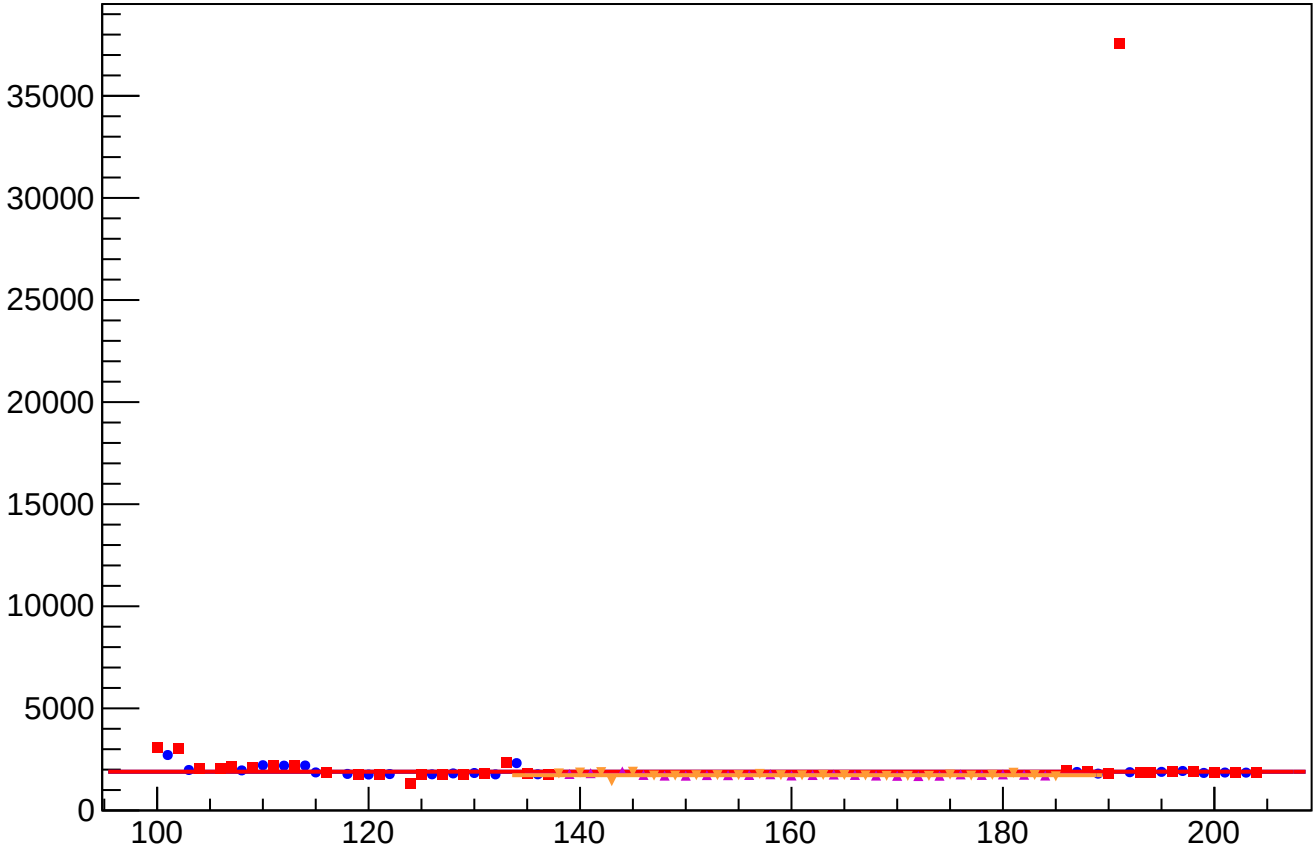
Right: 2081.397+/-358.830 χ^2/NDF: 47.7/53

In: 2504.106+/-321.462 χ^2/NDF:37.1/46

Out: 1357.029+/-307.362 χ^2/NDF:49.1/54

All: 1904.859+/-222.155 χ^2/NDF: 92.9/101

eigen_dit_asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 1894.146+/-0.370 χ^2/NDF: 224637.9/23

Left Out: 1727.236+/-0.278 χ^2/NDF:110269.9/24

Right Out: 1898.731+/-0.349 χ^2/NDF: 501322.5/29

Left In: 1744.633+/-0.288 χ^2/NDF:26798.0/22

Left: 1735.618+/-0.200 χ^2/NDF: 138956.4/47

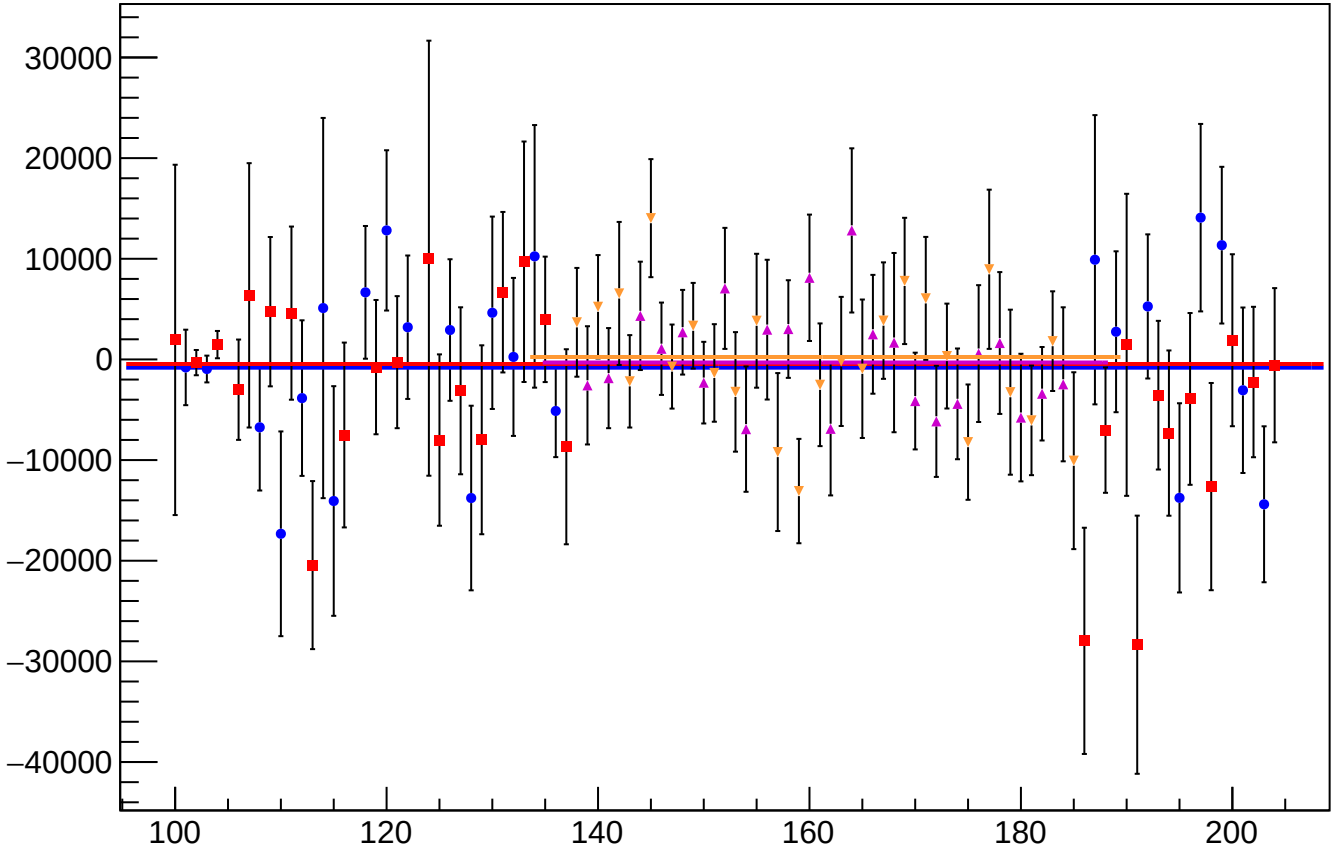
Right: 1896.573+/-0.254 χ^2/NDF: 726041.9/53

In: 1801.127+/-0.227 χ^2/NDF:353140.7/46

Out: 1793.855+/-0.217 χ^2/NDF:759549.3/54

All: 1797.327+/-0.157 χ^2/NDF: 1113224.8/10

asym_atl1r2_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -819.499+/-1009.984 χ^2/NDF: 25.4/23

Left Out: 241.128+/-1140.962 χ^2/NDF:26.7/24

Right Out: -454.755+/-795.255 χ^2/NDF: 28.7/29

Left In: -306.109+/-1171.021 χ^2/NDF:14.5/22

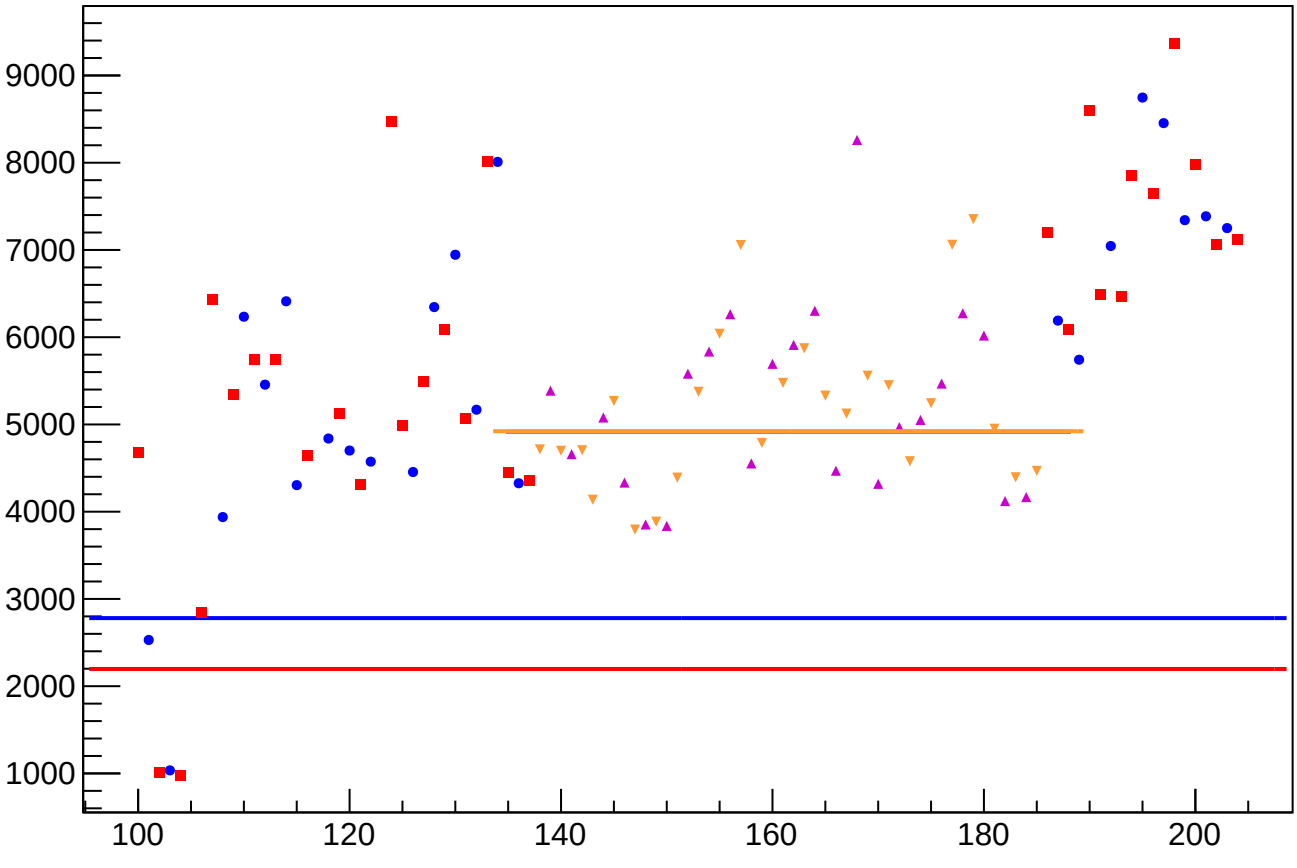
Left: -25.377+/-817.202 χ^2/NDF: 41.3/47

Right: -594.347+/-624.813 χ^2/NDF: 54.2/53

In: -600.505+/-764.816 χ^2/NDF:40.0/46

Out: -227.223+/-652.415 χ^2/NDF:55.6/54

All: -384.444+/-496.356 χ^2/NDF: 95.8/101



Right In: 2780.352+/-0.714 χ^2/NDF: 10691931.7/23

Left Out: 4922.388+/-0.807 χ^2/NDF:1050409.4/24

Right Out: 2197.274+/-0.562 χ^2/NDF: 15391695.9/29

Left In: 4916.972+/-0.828 χ^2/NDF:1161645.9/22

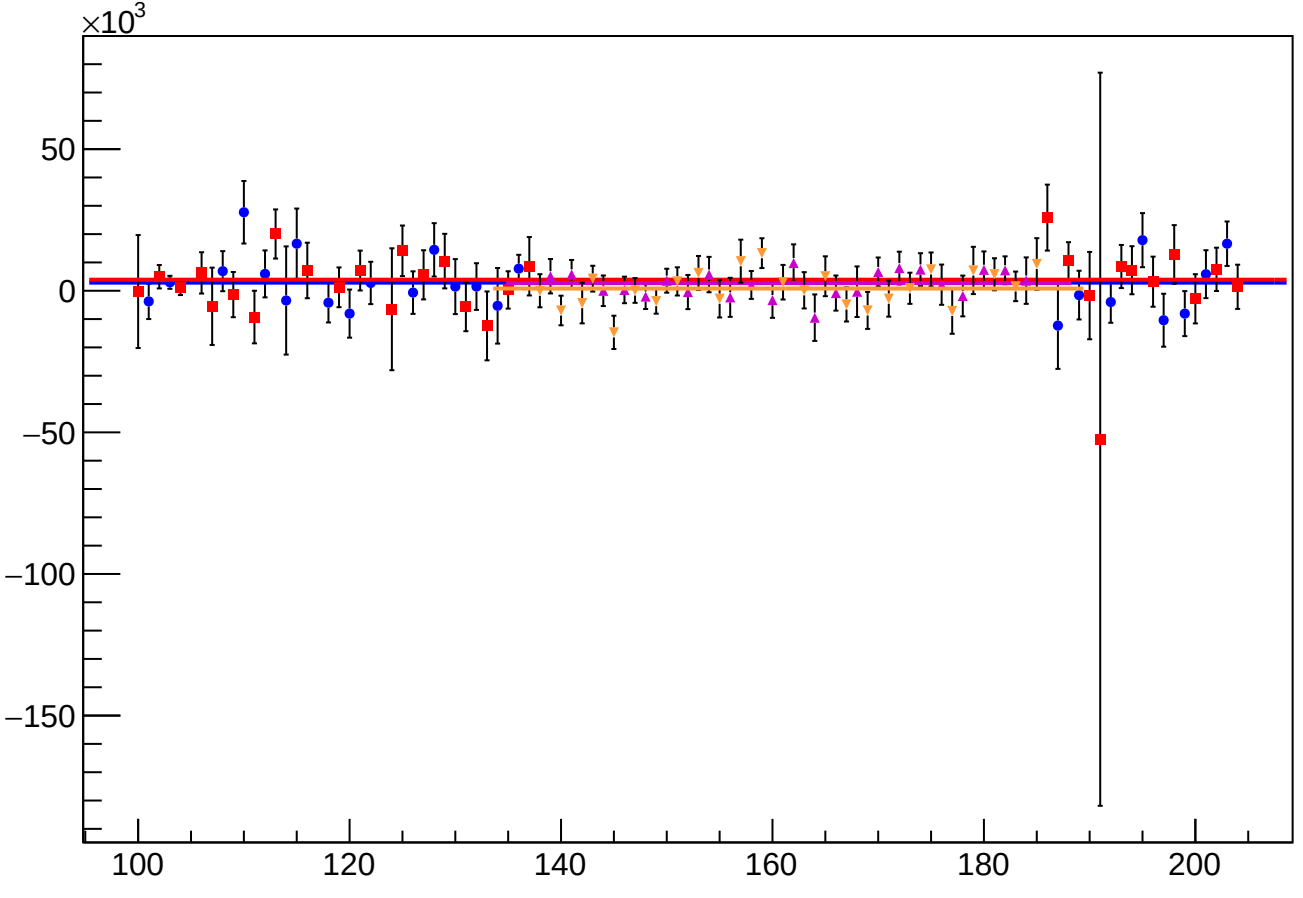
Left: 4919.750+/-0.578 χ^2/NDF: 2212077.2/47

Right: 2420.425+/-0.442 χ^2/NDF: 26495101.0/53

In: 3691.758+/-0.541 χ^2/NDF:15671615.0/46

Out: 3088.299+/-0.461 χ^2/NDF:24120885.5/54

All: 3342.467+/-0.351 χ^2/NDF: 40513193.1/1



Right In: 2865.794+/-1377.543 χ^2/NDF: 25.6/23

Left Out: 787.965+/-1171.964 χ^2/NDF:27.6/24

Right Out: 3908.816+/-1348.067 χ^2/NDF: 21.0/29

Left In: 2705.532+/-1206.281 χ^2/NDF:11.9/22

Left: 1719.085+/-840.574 χ^2/NDF: 40.8/47

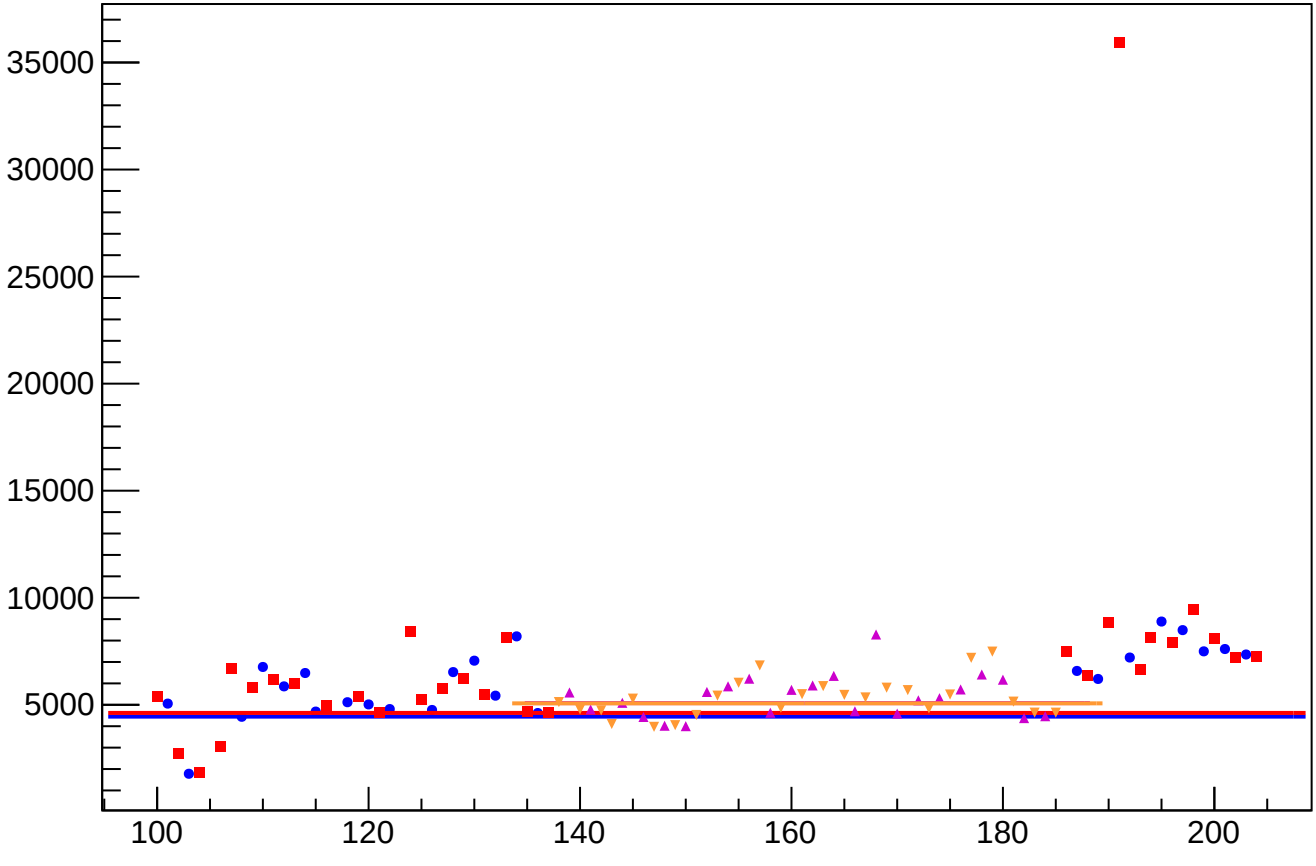
Right: 3398.583+/-963.480 χ^2/NDF: 46.8/53

In: 2775.087+/-907.515 χ^2/NDF:37.5/46

Out: 2131.362+/-884.457 χ^2/NDF:51.6/54

All: 2444.943+/-633.401 χ^2/NDF: 89.3/101

asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 4448.209+/-0.974 χ^2/NDF: 5426291.9/23

Left Out: 5067.898+/-0.829 χ^2/NDF:954253.8/24

Right Out: 4620.328+/-0.946 χ^2/NDF: 5913520.7/29

Left In: 5079.715+/-0.853 χ^2/NDF:1001241.5/22

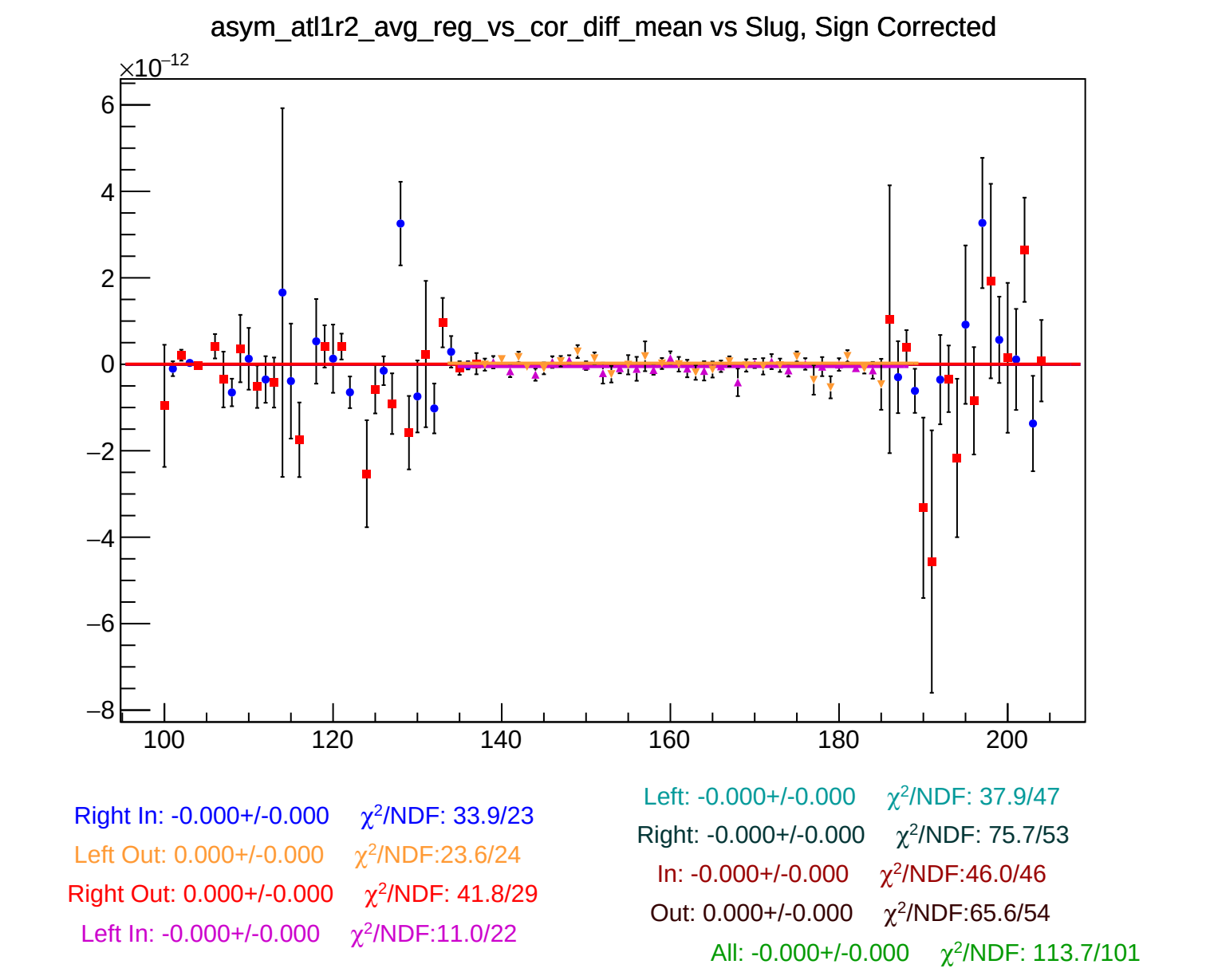
Left: 5073.636+/-0.594 χ^2/NDF: 1955594.0/47

Right: 4536.782+/-0.679 χ^2/NDF: 11355880.3/53

In: 4805.636+/-0.642 χ^2/NDF:6665428.2/46

Out: 4873.570+/-0.623 χ^2/NDF:6994421.8/54

All: 4840.589+/-0.447 χ^2/NDF: 13665616.1/1


asym_atl1r2_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
6
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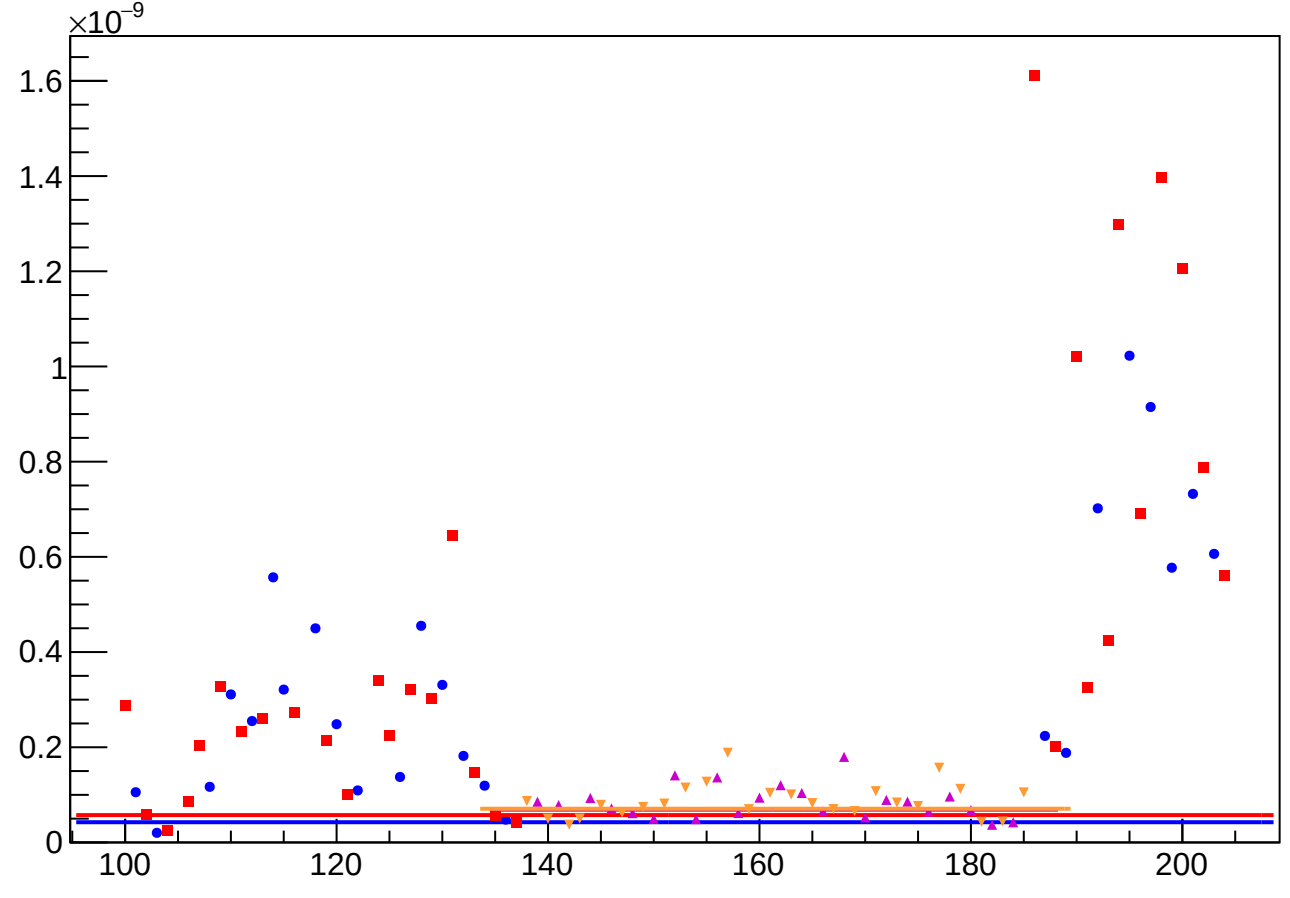
−2
−4
−6
−8
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 33.9/23
Left Out: 0.000+/-0.000 χ²/NDF:23.6/24
Right Out: 0.000+/-0.000 χ²/NDF: 41.8/29
Left In: -0.000+/-0.000 χ²/NDF:11.0/22
Left: -0.000+/-0.000 χ²/NDF: 37.9/47
Right: -0.000+/-0.000 χ²/NDF: 75.7/53
In: -0.000+/-0.000 χ²/NDF:46.0/46
Out: 0.000+/-0.000 χ²/NDF:65.6/54
All: -0.000+/-0.000 χ²/NDF: 113.7/101



Right In: 0.000+/-0.000 χ^2/NDF: 7283810.4/23

Left Out: 0.000+/-0.000 χ^2/NDF:1489228.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8968724.2/29

Left In: 0.000+/-0.000 χ^2/NDF:1432116.0/22

Left: 0.000+/-0.000 χ^2/NDF: 2925873.0/47

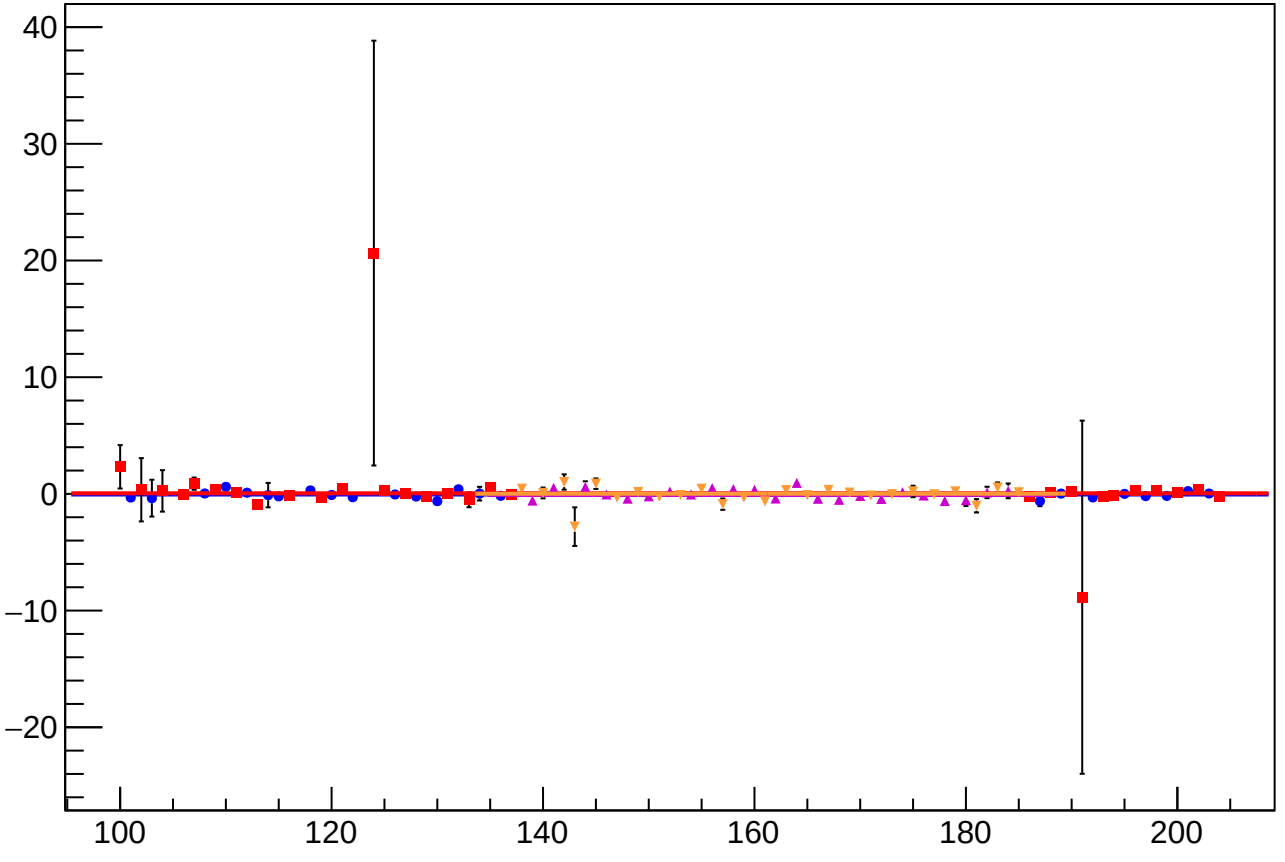
Right: 0.000+/-0.000 χ^2/NDF: 16389903.1/53

In: 0.000+/-0.000 χ^2/NDF:9358320.7/46

Out: 0.000+/-0.000 χ^2/NDF:10585629.6/54

All: 0.000+/-0.000 χ^2/NDF: 20074895.3/101

asym_atl1r2_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.053+/-0.063 χ^2/NDF: 15.7/23

Left Out: 0.014+/-0.070 χ^2/NDF:28.3/24

Right Out: 0.052+/-0.053 χ^2/NDF: 29.7/29

Left In: -0.091+/-0.070 χ^2/NDF:30.9/22

Left: -0.038+/-0.050 χ^2/NDF: 60.3/47

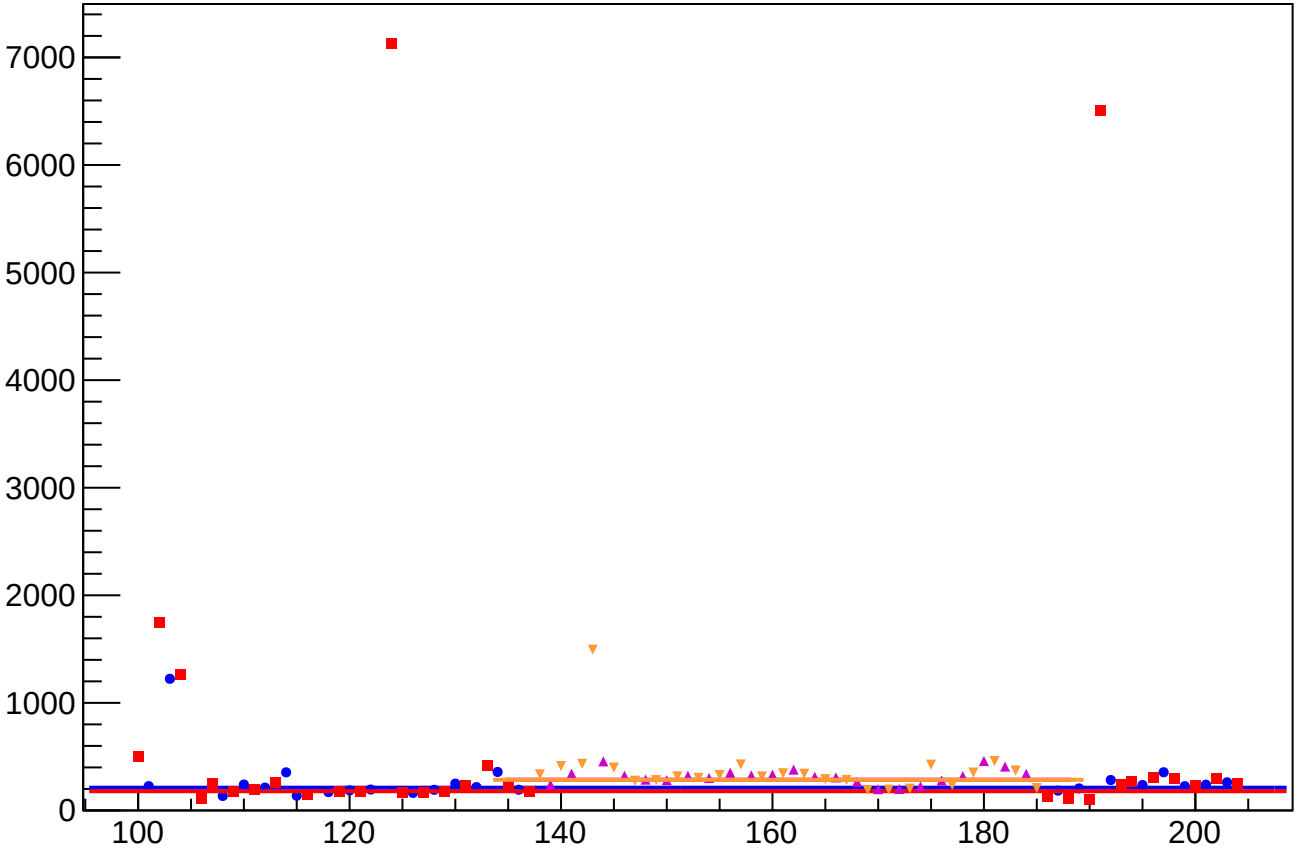
Right: 0.008+/-0.040 χ^2/NDF: 47.1/53

In: -0.070+/-0.047 χ^2/NDF:46.8/46

Out: 0.038+/-0.042 χ^2/NDF:58.1/54

All: -0.010+/-0.031 χ^2/NDF: 107.9/101

asym_atl1r2_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 211.573+/-0.044 χ^2/NDF: 1990313.9/23

Left Out: 285.036+/-0.049 χ^2/NDF:3407001.6/24

Right Out: 178.731+/-0.037 χ^2/NDF: 5211697.1/29

Left In: 285.869+/-0.050 χ^2/NDF:1744706.1/22

Left: 285.449+/-0.035 χ^2/NDF: 5151848.7/47

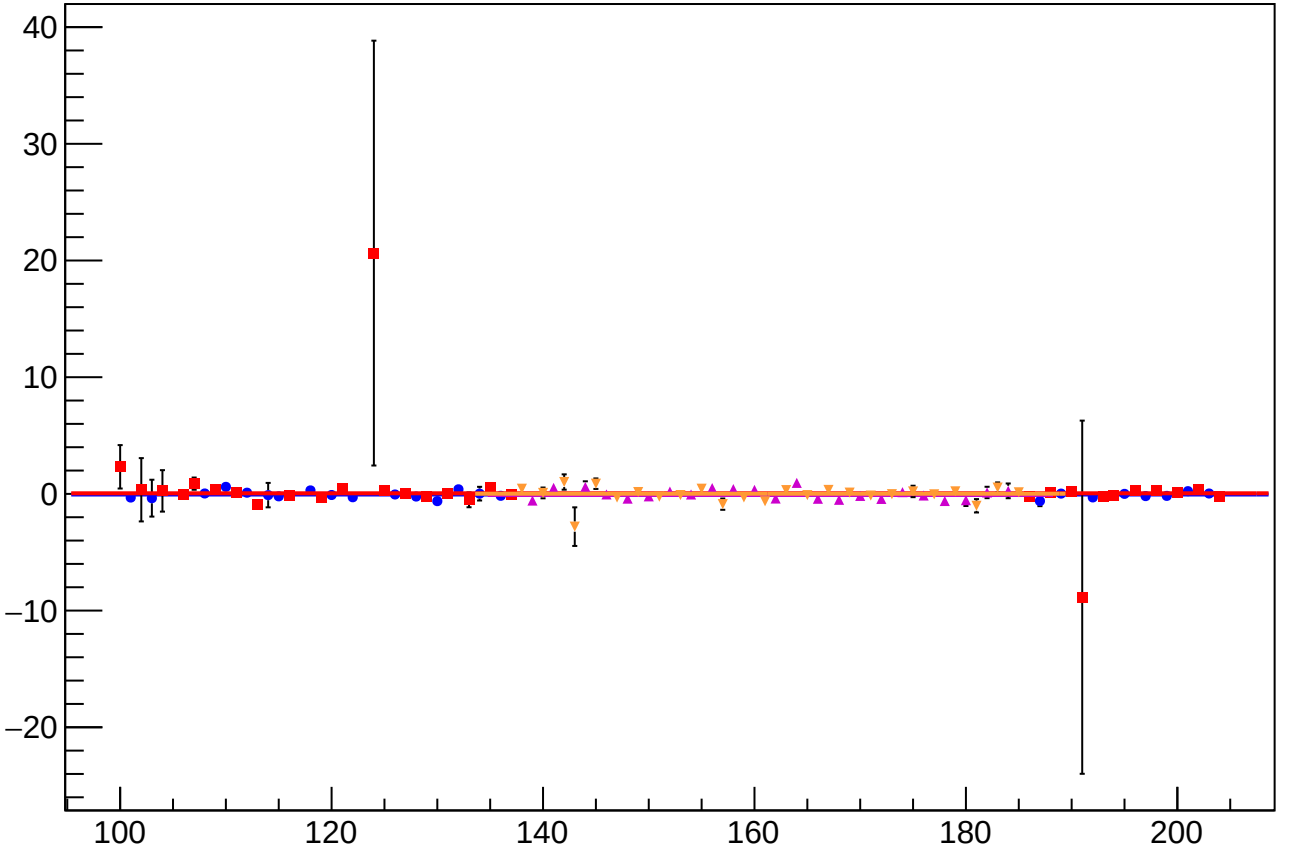
Right: 192.311+/-0.028 χ^2/NDF: 7525508.7/53

In: 244.334+/-0.033 χ^2/NDF:4979670.7/46

Out: 217.137+/-0.030 χ^2/NDF:11580026.7/54

All: 229.270+/-0.022 χ^2/NDF: 16934433.2/10

asym_atl1r2_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.053+/-0.063 χ^2/NDF: 15.7/23

Left Out: 0.014+/-0.070 χ^2/NDF:28.3/24

Right Out: 0.052+/-0.053 χ^2/NDF: 29.7/29

Left In: -0.091+/-0.070 χ^2/NDF:30.9/22

Left: -0.038+/-0.050 χ^2/NDF: 60.3/47

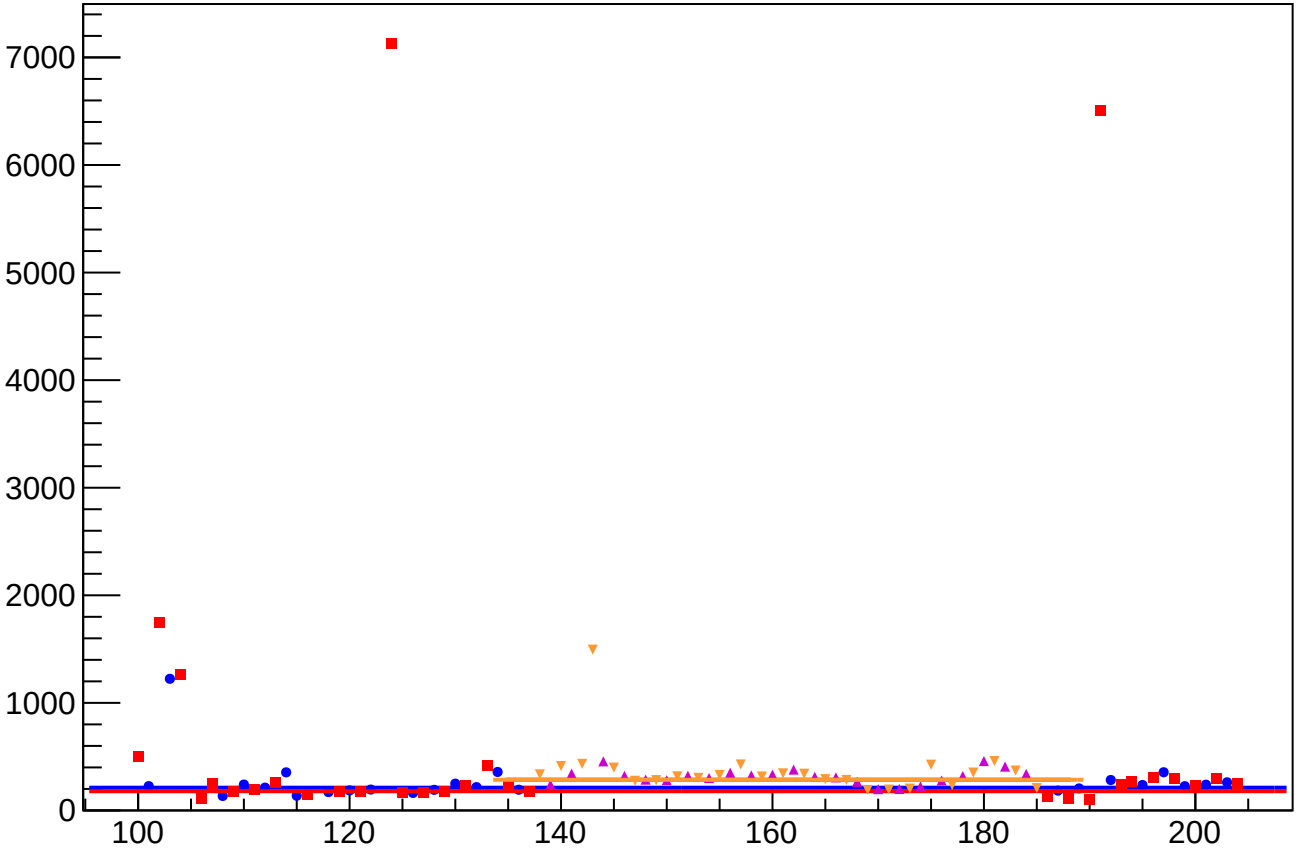
Right: 0.008+/-0.040 χ^2/NDF: 47.1/53

In: -0.070+/-0.047 χ^2/NDF:46.8/46

Out: 0.038+/-0.042 χ^2/NDF:58.1/54

All: -0.010+/-0.031 χ^2/NDF: 107.9/101

asym_atl1r2_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 211.573+/-0.044 χ^2/NDF: 1990313.9/23

Left Out: 285.036+/-0.049 χ^2/NDF:3407001.6/24

Right Out: 178.731+/-0.037 χ^2/NDF: 5211697.1/29

Left In: 285.869+/-0.050 χ^2/NDF:1744706.1/22

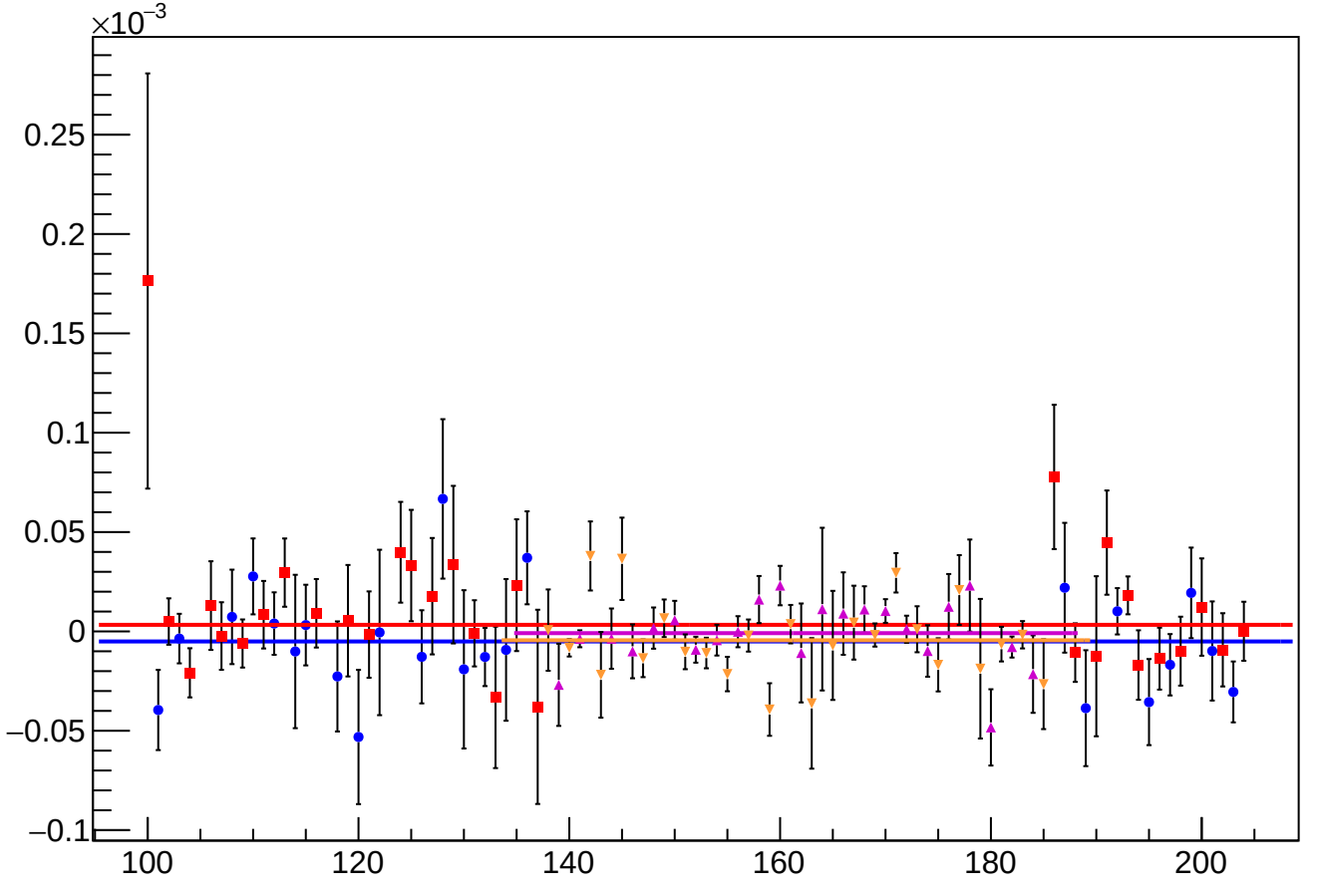
Left: 285.449+/-0.035 χ^2/NDF: 5151848.7/47

Right: 192.311+/-0.028 χ^2/NDF: 7525508.7/53

In: 244.334+/-0.033 χ^2/NDF:4979670.7/46

Out: 217.137+/-0.030 χ^2/NDF:11580026.7/54

All: 229.270+/-0.022 χ^2/NDF: 16934433.2/10



Right In: -0.000+/-0.000 χ^2/NDF: 26.3/23

Left Out: -0.000+/-0.000 χ^2/NDF:43.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 30.2/29

Left In: -0.000+/-0.000 χ^2/NDF:29.0/22

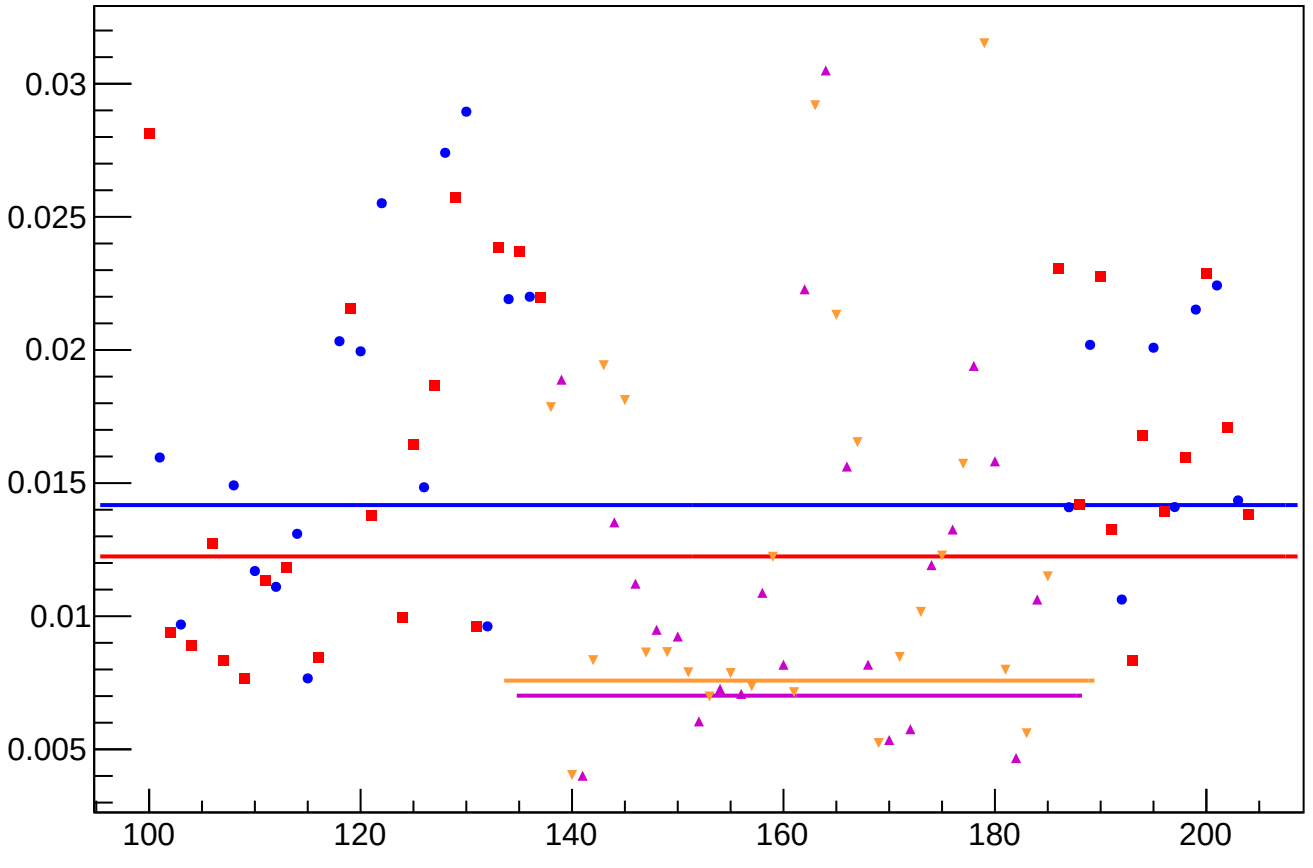
Left: -0.000+/-0.000 χ^2/NDF: 74.6/47

Right: 0.000+/-0.000 χ^2/NDF: 58.9/53

In: -0.000+/-0.000 χ^2/NDF:56.1/46

Out: -0.000+/-0.000 χ^2/NDF:78.1/54

All: -0.000+/-0.000 χ^2/NDF: 134.3/101



Right In: 0.014+/-0.000 χ^2/NDF: 2750315.2/23

Left Out: 0.008+/-0.000 χ^2/NDF:7351454.7/24

Right Out: 0.012+/-0.000 χ^2/NDF: 3486267.0/29

Left In: 0.007+/-0.000 χ^2/NDF:6740679.5/22

Left: 0.007+/-0.000 χ^2/NDF: 14177078.3/47

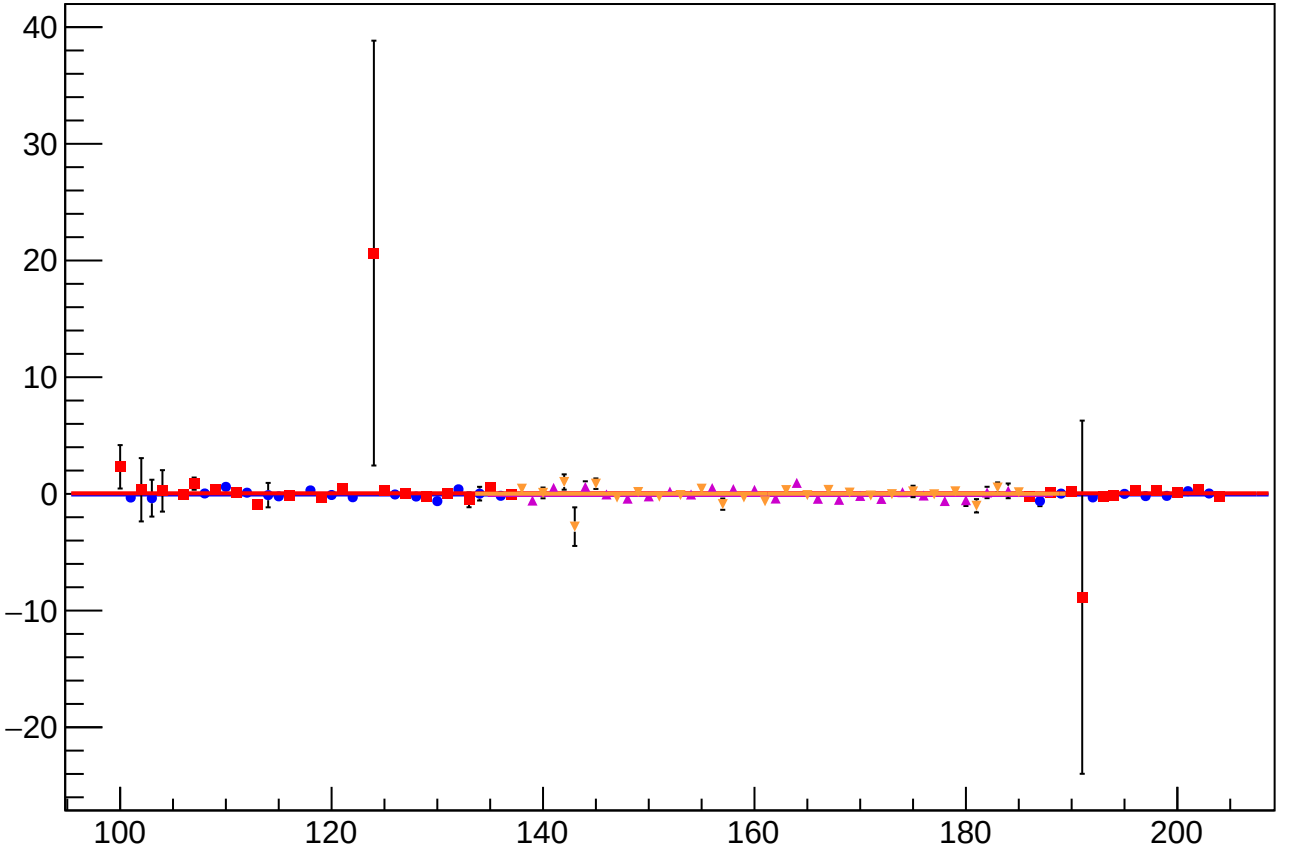
Right: 0.013+/-0.000 χ^2/NDF: 6495136.3/53

In: 0.008+/-0.000 χ^2/NDF:14343984.4/46

Out: 0.009+/-0.000 χ^2/NDF:13702204.2/54

All: 0.009+/-0.000 χ^2/NDF: 28139710.7/101

asym_atl1r2_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.053+/-0.063 χ^2/NDF: 15.7/23

Left Out: 0.014+/-0.070 χ^2/NDF:28.3/24

Right Out: 0.052+/-0.053 χ^2/NDF: 29.6/29

Left In: -0.091+/-0.070 χ^2/NDF:30.9/22

Left: -0.038+/-0.050 χ^2/NDF: 60.3/47

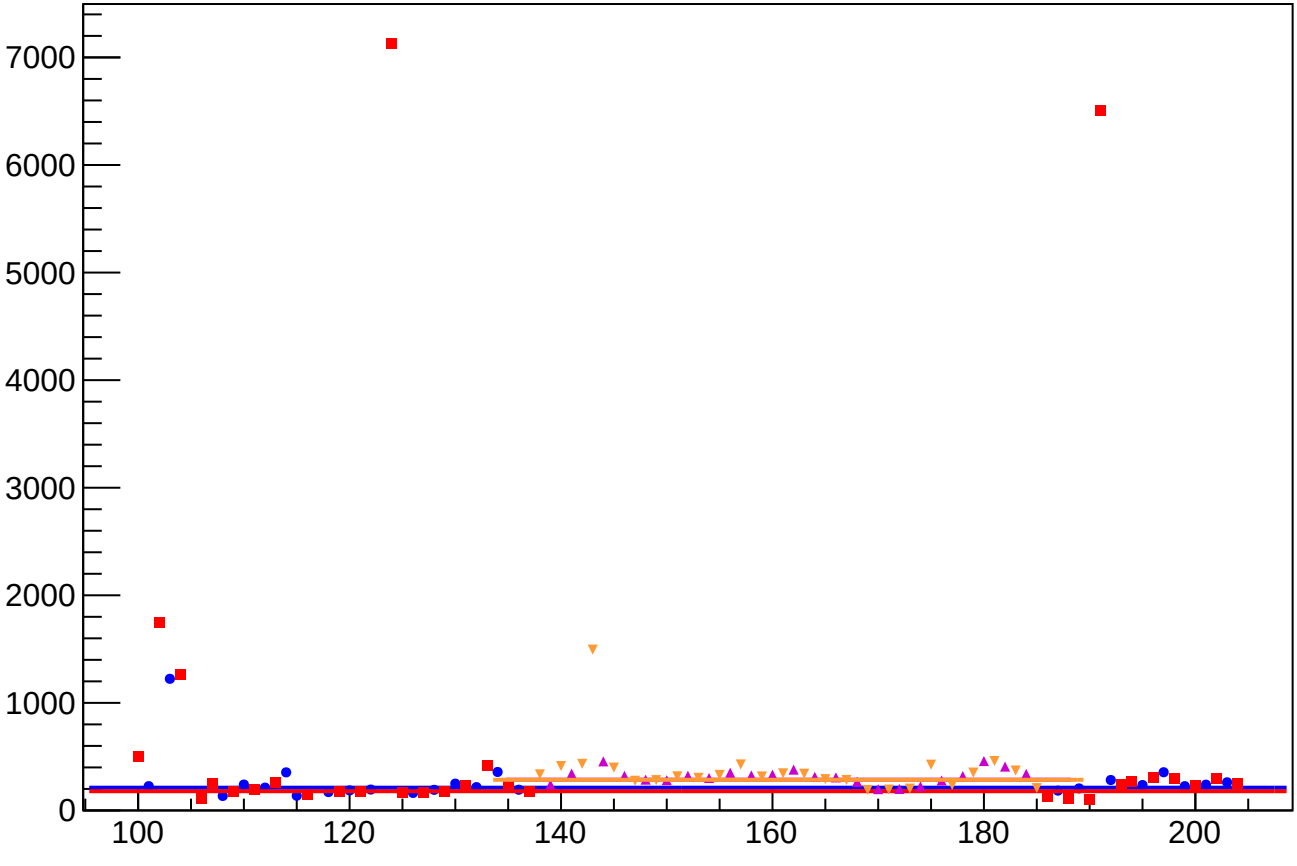
Right: 0.008+/-0.040 χ^2/NDF: 47.1/53

In: -0.070+/-0.047 χ^2/NDF:46.8/46

Out: 0.038+/-0.042 χ^2/NDF:58.1/54

All: -0.010+/-0.031 χ^2/NDF: 107.9/101

asym_atl1r2_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 211.572+/-0.044 χ^2/NDF: 1990321.1/23

Left Out: 285.039+/-0.049 χ^2/NDF:3407037.3/24

Right Out: 178.728+/-0.037 χ^2/NDF: 5211868.2/29

Left In: 285.871+/-0.050 χ^2/NDF:1744743.9/22

Left: 285.451+/-0.035 χ^2/NDF: 5151922.1/47

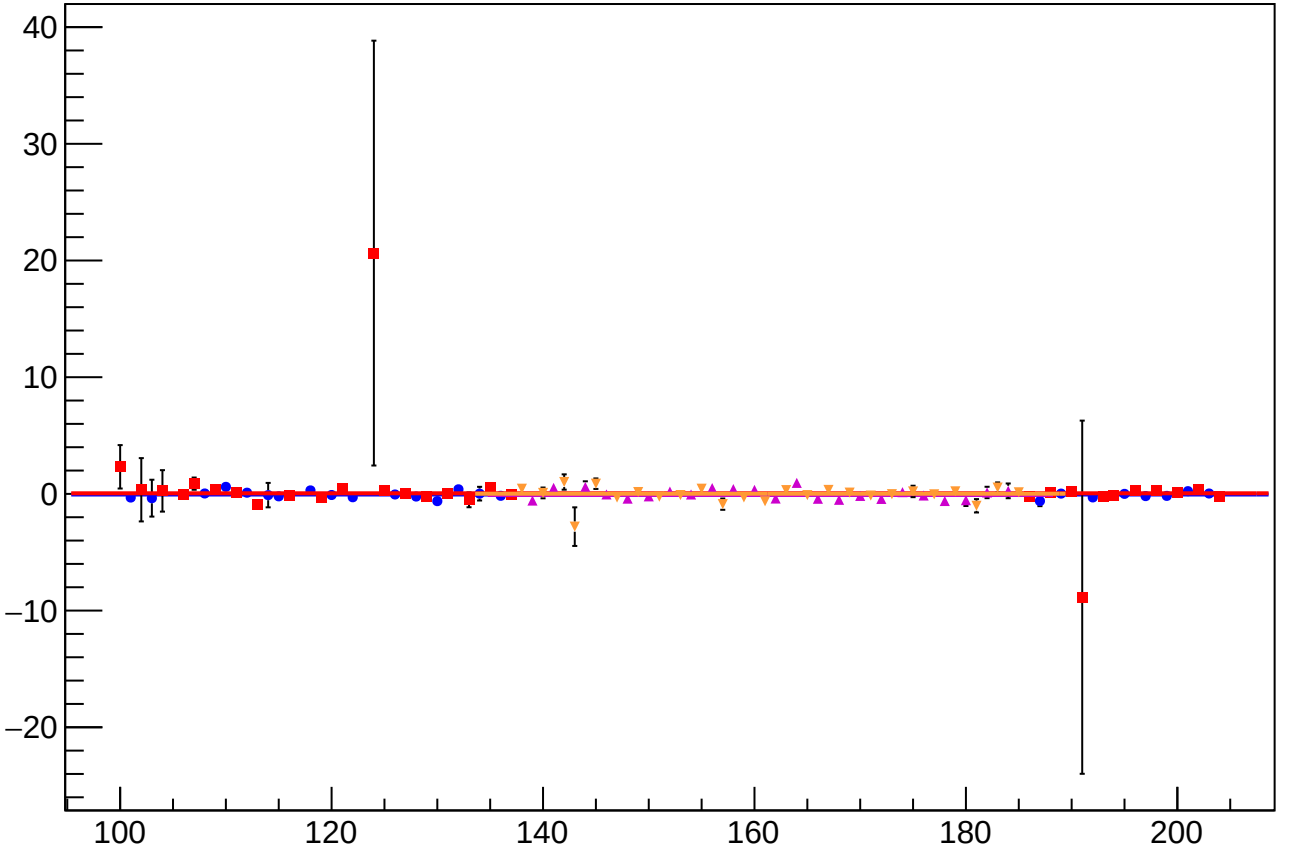
Right: 192.309+/-0.028 χ^2/NDF: 7525722.8/53

In: 244.334+/-0.033 χ^2/NDF:4979826.7/46

Out: 217.135+/-0.030 χ^2/NDF:11580512.6/54

All: 229.269+/-0.022 χ^2/NDF: 16935122.0/10

asym_atl1r2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.053+/-0.063 χ^2/NDF: 15.7/23

Left Out: 0.014+/-0.070 χ^2/NDF:28.3/24

Right Out: 0.052+/-0.053 χ^2/NDF: 29.6/29

Left In: -0.091+/-0.070 χ^2/NDF:30.9/22

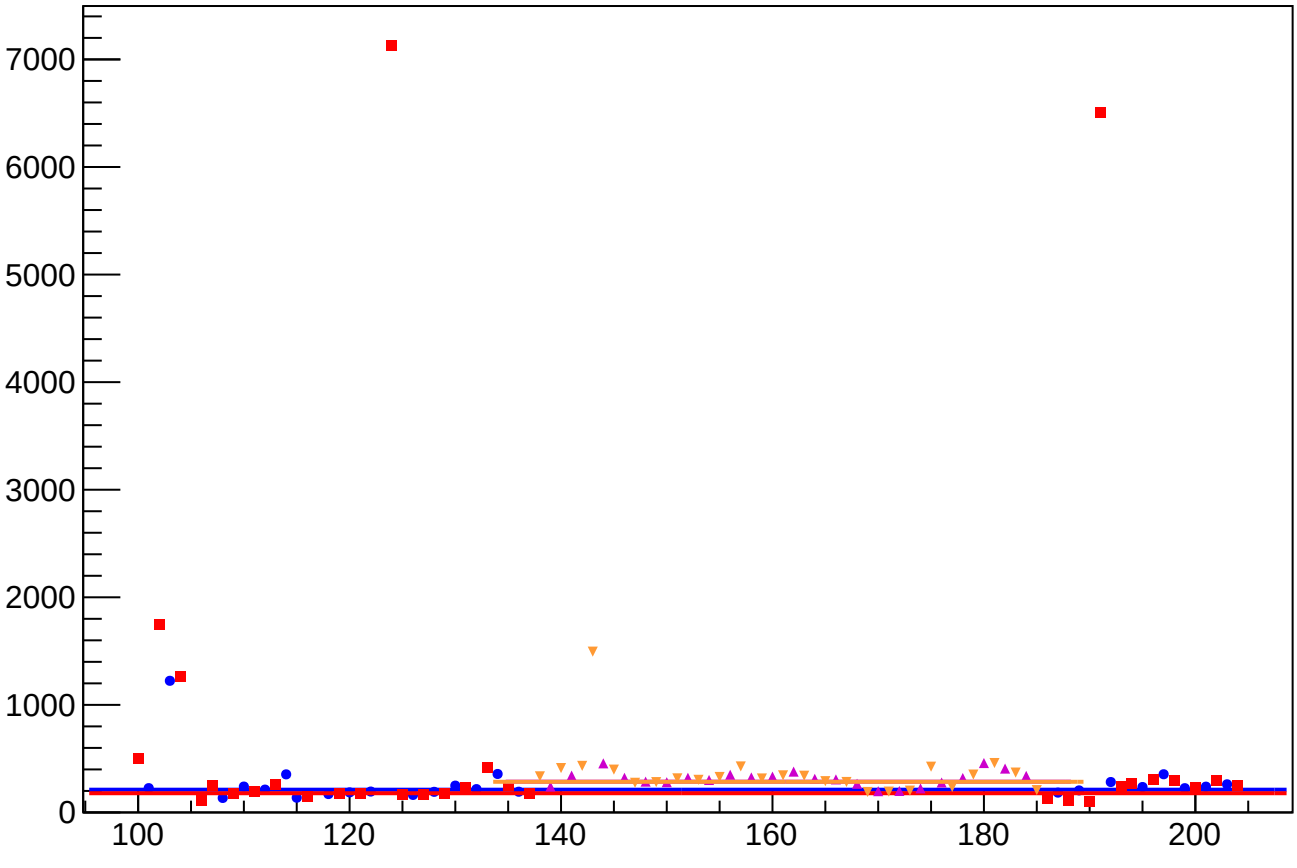
Left: -0.038+/-0.050 χ^2/NDF: 60.3/47

Right: 0.008+/-0.040 χ^2/NDF: 47.1/53

In: -0.070+/-0.047 χ^2/NDF:46.8/46

Out: 0.038+/-0.042 χ^2/NDF:58.1/54

All: -0.010+/-0.031 χ^2/NDF: 107.9/101



Right In: 211.572+/-0.044 χ^2/NDF: 1990321.1/23

Left Out: 285.039+/-0.049 χ^2/NDF:3407037.3/24

Right Out: 178.728+/-0.037 χ^2/NDF: 5211868.2/29

Left In: 285.871+/-0.050 χ^2/NDF:1744743.9/22

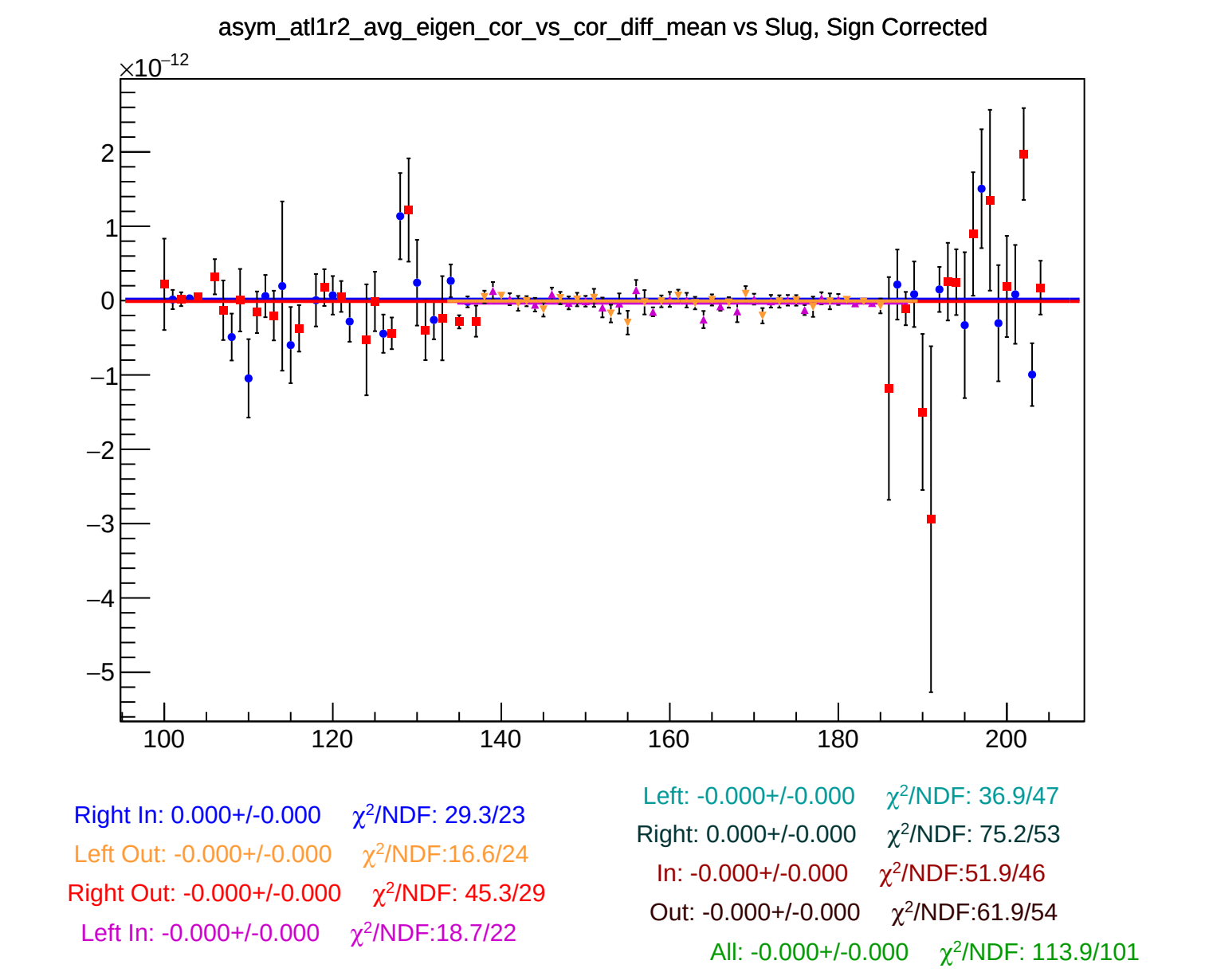
Left: 285.451+/-0.035 χ^2/NDF: 5151922.1/47

Right: 192.309+/-0.028 χ^2/NDF: 7525722.8/53

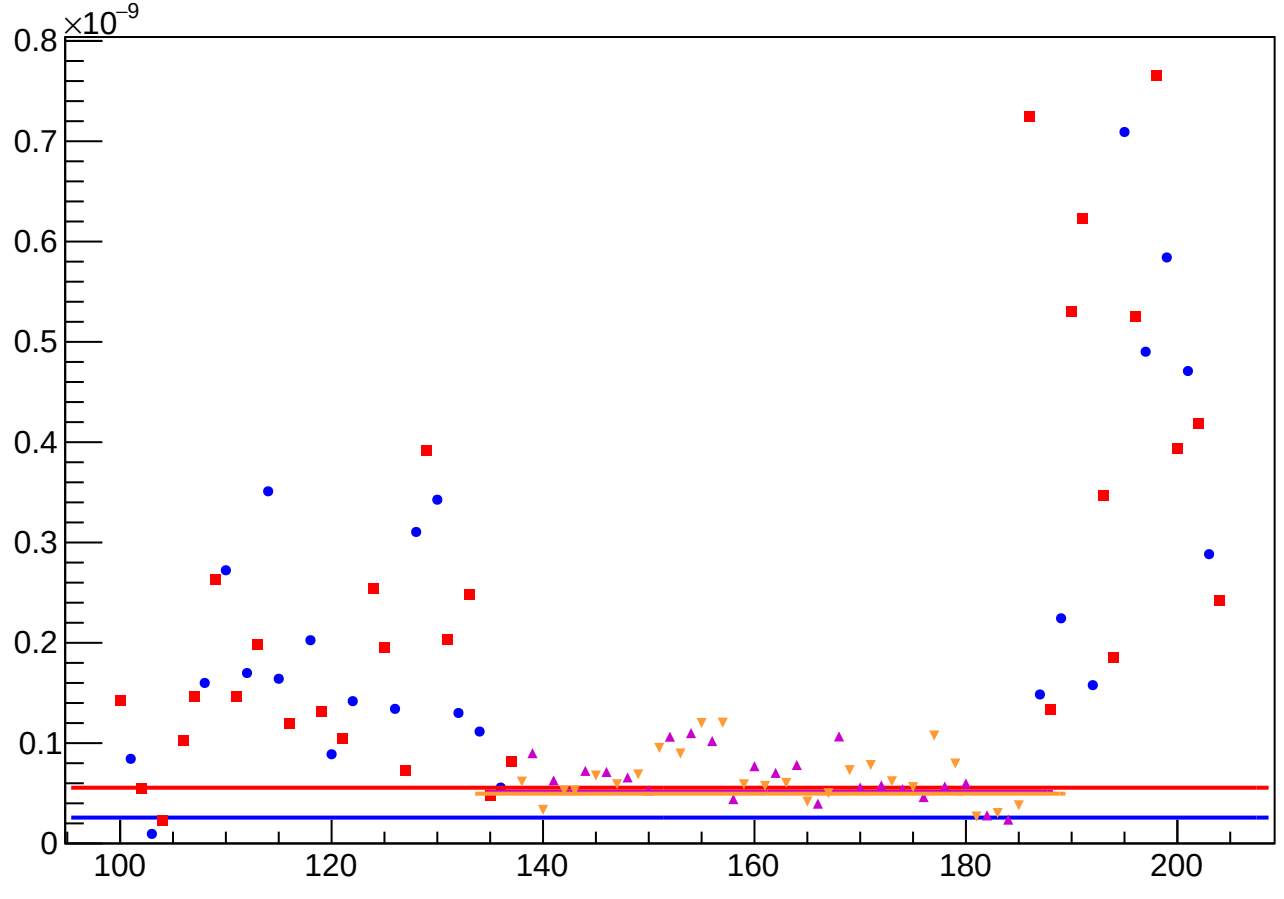
In: 244.334+/-0.033 χ^2/NDF:4979826.7/46

Out: 217.135+/-0.030 χ^2/NDF:11580512.6/54

All: 229.269+/-0.022 χ^2/NDF: 16935122.0/10


asym_atl1r2_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
1
0
−1
−2
−3
−4
−5
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 29.3/23
Left Out: -0.000+/-0.000 χ²/NDF:16.6/24
Right Out: -0.000+/-0.000 χ²/NDF: 45.3/29
Left In: -0.000+/-0.000 χ²/NDF:18.7/22
Left: -0.000+/-0.000 χ²/NDF: 36.9/47
Right: 0.000+/-0.000 χ²/NDF: 75.2/53
In: -0.000+/-0.000 χ²/NDF:51.9/46
Out: -0.000+/-0.000 χ²/NDF:61.9/54
All: -0.000+/-0.000 χ²/NDF: 113.9/101

asym_atl1r2_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 11720741.5/23

Left Out: 0.000+/-0.000 χ^2/NDF:3882649.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9374437.4/29

Left In: 0.000+/-0.000 χ^2/NDF:3659712.8/22

Left: 0.000+/-0.000 χ^2/NDF: 7555879.5/47

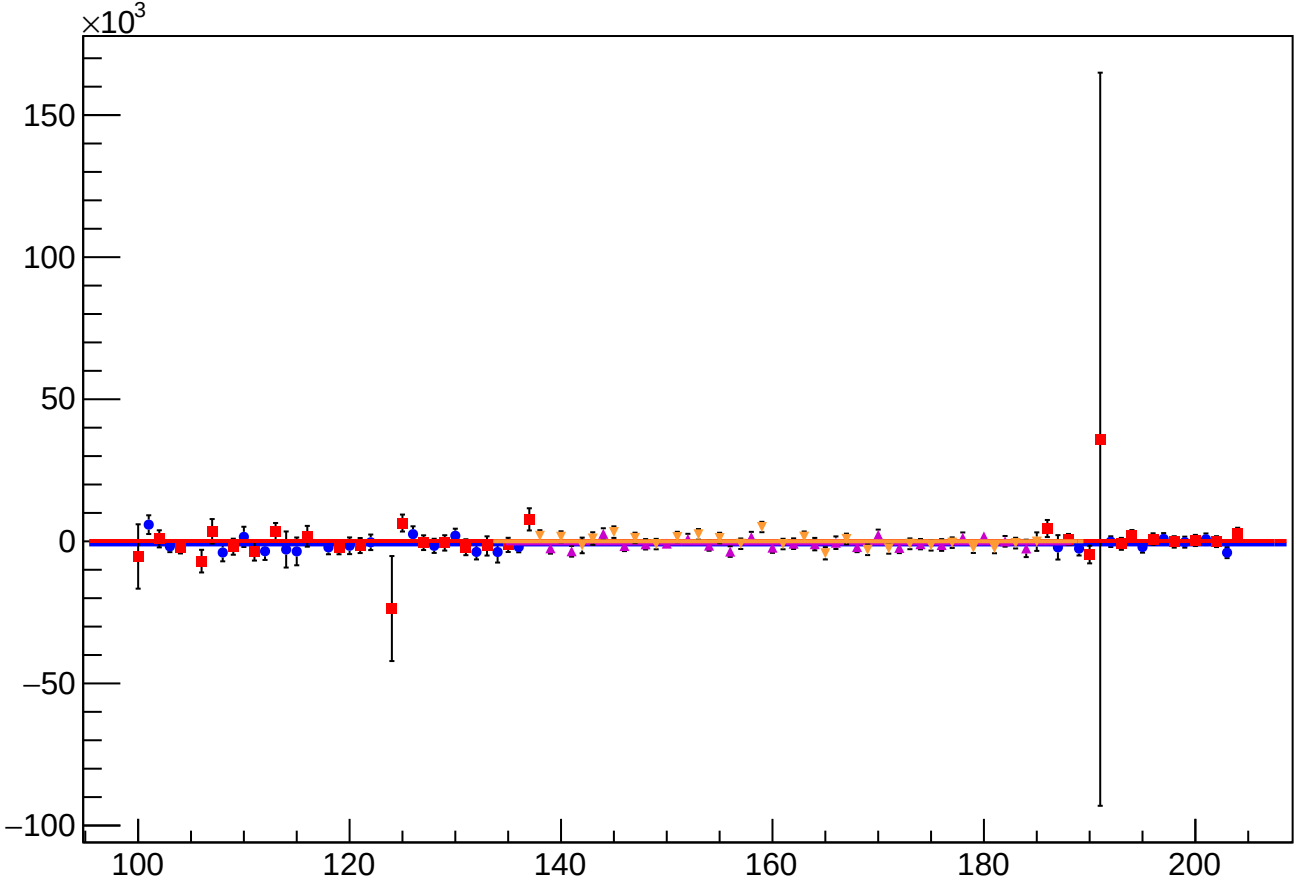
Right: 0.000+/-0.000 χ^2/NDF: 22406637.7/53

In: 0.000+/-0.000 χ^2/NDF:17352257.3/46

Out: 0.000+/-0.000 χ^2/NDF:13317944.7/54

All: 0.000+/-0.000 χ^2/NDF: 31139526.6/101

reg_asym_atl1r2_dd_mean vs Slug, Sign Corrected



Right In: -1086.927+/-509.425 χ^2/NDF: 17.3/23

Left Out: 23.114+/-387.732 χ^2/NDF:29.5/24

Right Out: 124.433+/-484.598 χ^2/NDF: 28.6/29

Left In: -719.504+/-396.449 χ^2/NDF:19.1/22

Left: -339.941+/-277.199 χ^2/NDF: 50.3/47

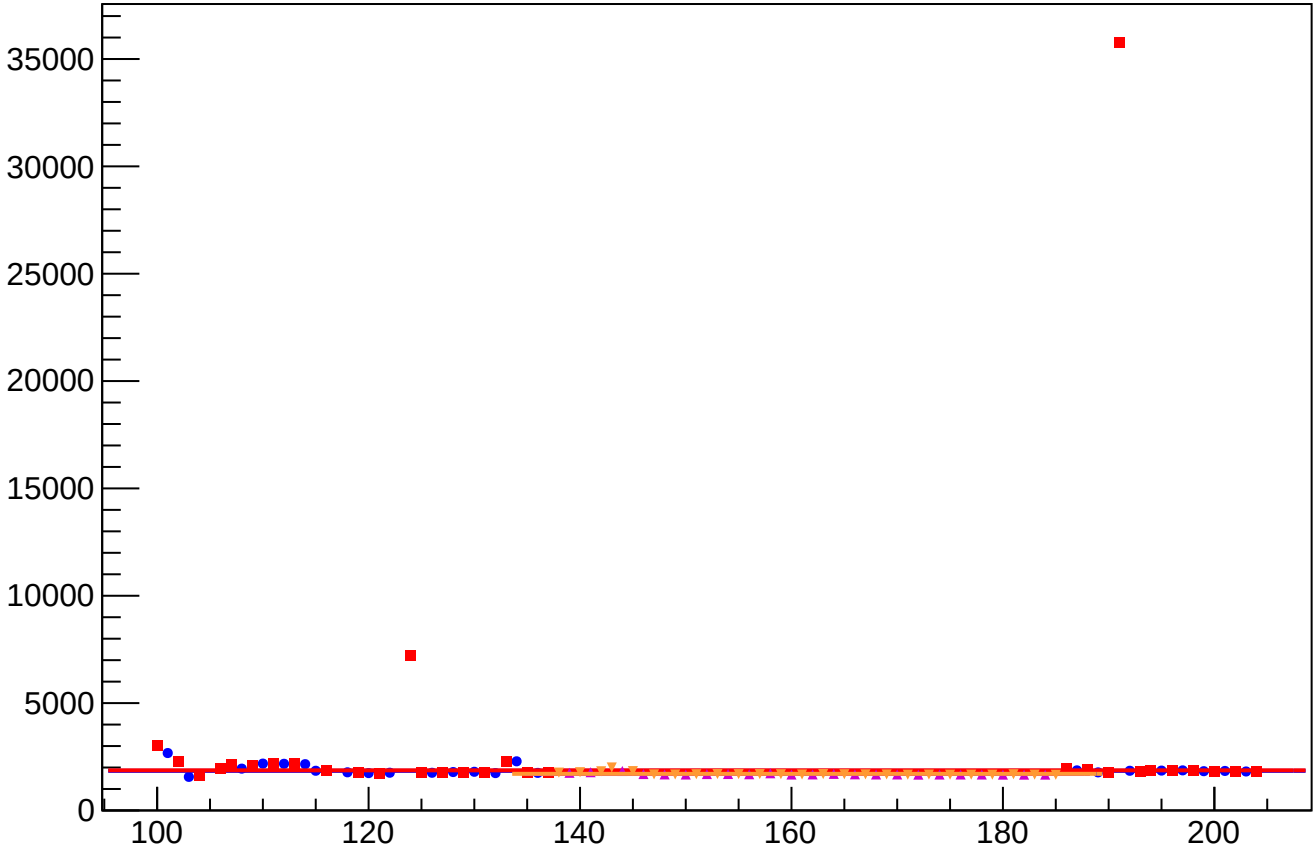
Right: -451.012+/-351.111 χ^2/NDF: 48.8/53

In: -858.094+/-312.870 χ^2/NDF:36.7/46

Out: 62.660+/-302.752 χ^2/NDF:58.1/54

All: -382.589+/-217.567 χ^2/NDF: 99.2/101

reg_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1844.530+/-0.360 χ^2/NDF: 262824.1/23

Left Out: 1705.634+/-0.274 χ^2/NDF:59928.6/24

Right Out: 1868.917+/-0.342 χ^2/NDF: 514707.0/29

Left In: 1697.514+/-0.280 χ^2/NDF:21146.9/22

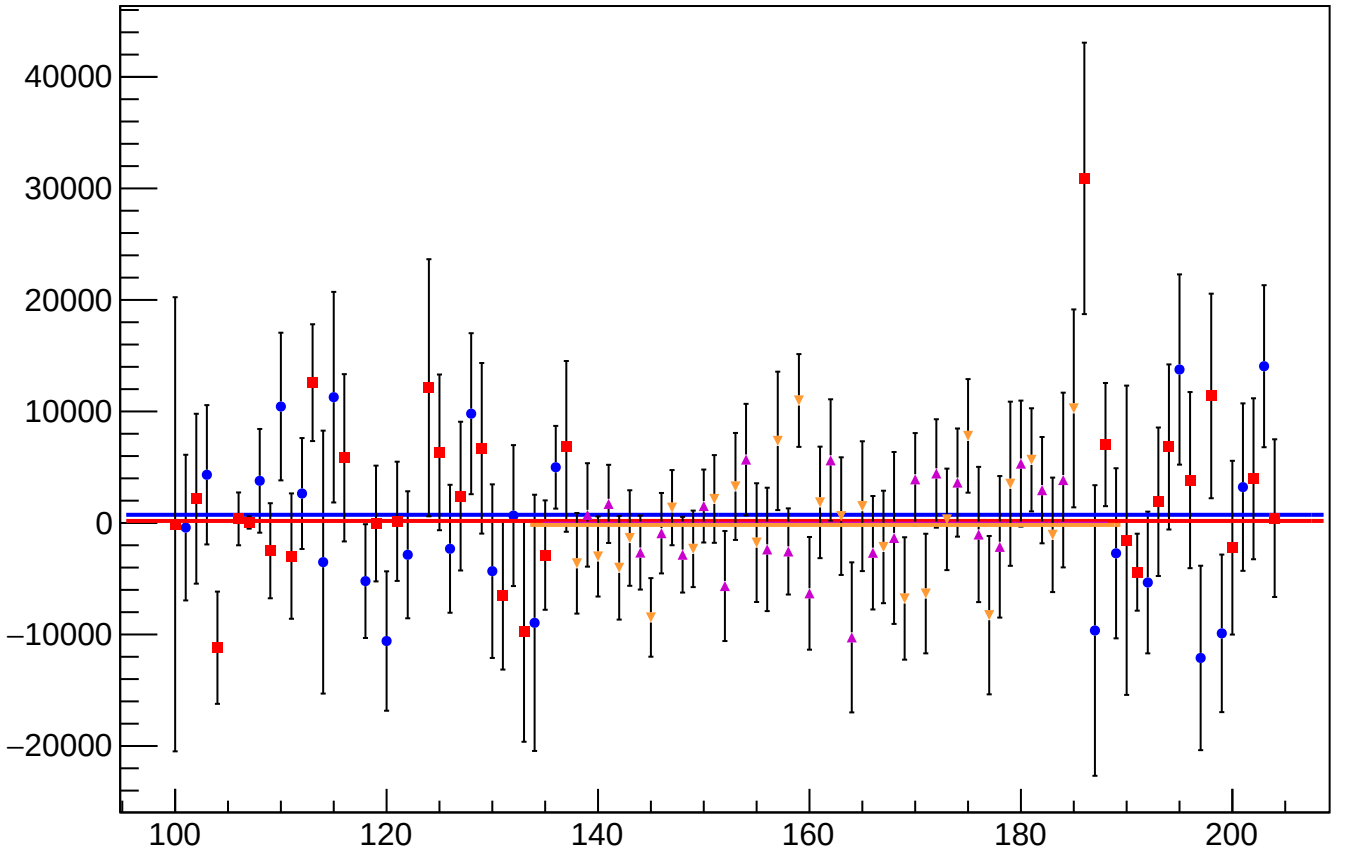
Left: 1701.665+/-0.196 χ^2/NDF: 81504.4/47

Right: 1857.345+/-0.248 χ^2/NDF: 779939.5/53

In: 1752.968+/-0.221 χ^2/NDF:387712.4/46

Out: 1769.450+/-0.214 χ^2/NDF:713257.2/54

All: 1761.483+/-0.154 χ^2/NDF: 1103837.2/10



Right In: 732.845+/-1317.466 χ^2/NDF: 26.0/23

Left Out: -175.777+/-935.141 χ^2/NDF:27.9/24

Right Out: 181.838+/-490.082 χ^2/NDF: 30.6/29

Left In: -56.448+/-956.389 χ^2/NDF:14.3/22

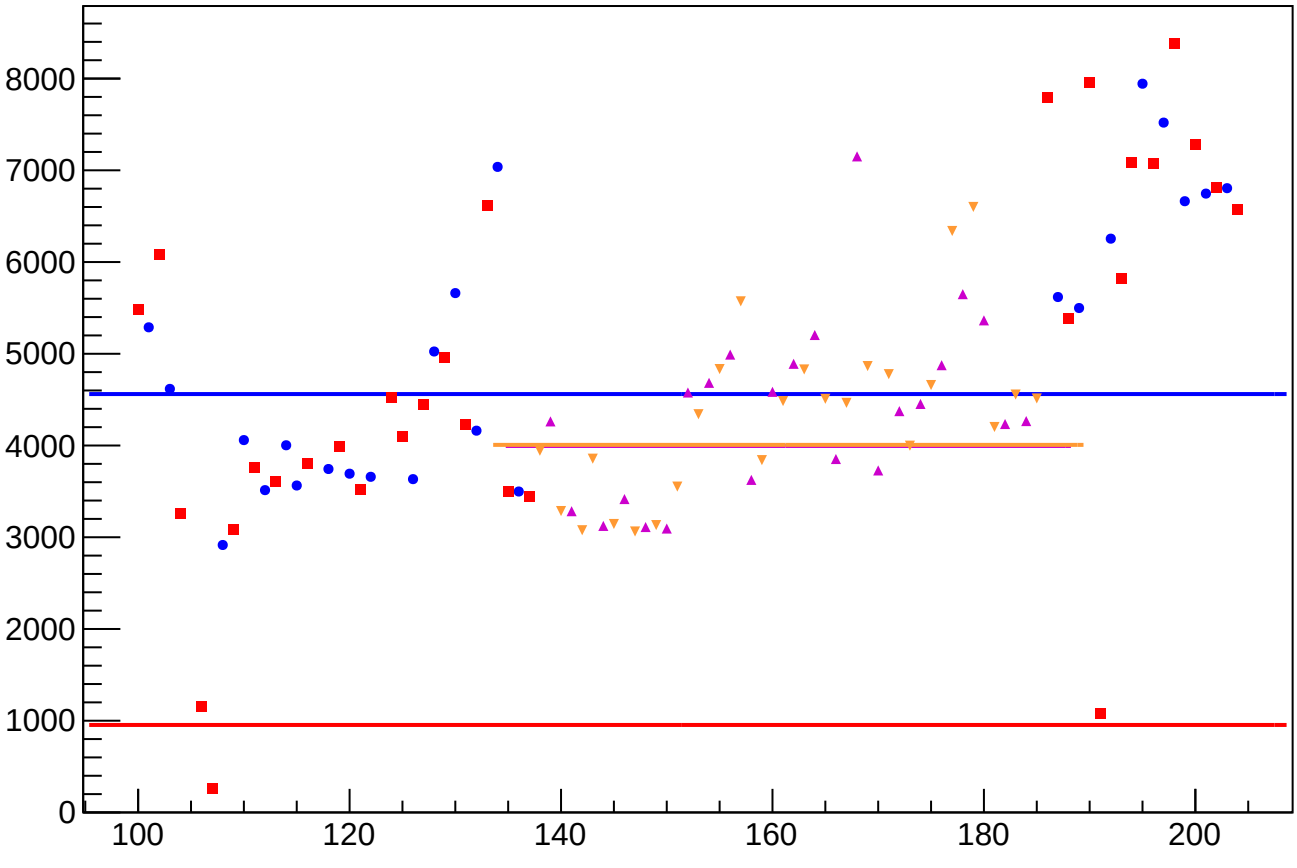
Left: -117.453+/-668.630 χ^2/NDF: 42.2/47

Right: 248.816+/-459.331 χ^2/NDF: 56.8/53

In: 215.945+/-773.960 χ^2/NDF:40.6/46

Out: 104.782+/-434.083 χ^2/NDF:58.7/54

All: 131.382+/-378.601 χ^2/NDF: 99.3/101



Right In: 4560.865+/-0.932 χ^2/NDF: 2201339.7/23

Left Out: 4006.998+/-0.661 χ^2/NDF:1503677.6/24

Right Out: 953.816+/-0.347 χ^2/NDF: 22393228.8/29

Left In: 3994.974+/-0.676 χ^2/NDF:1538115.4/22

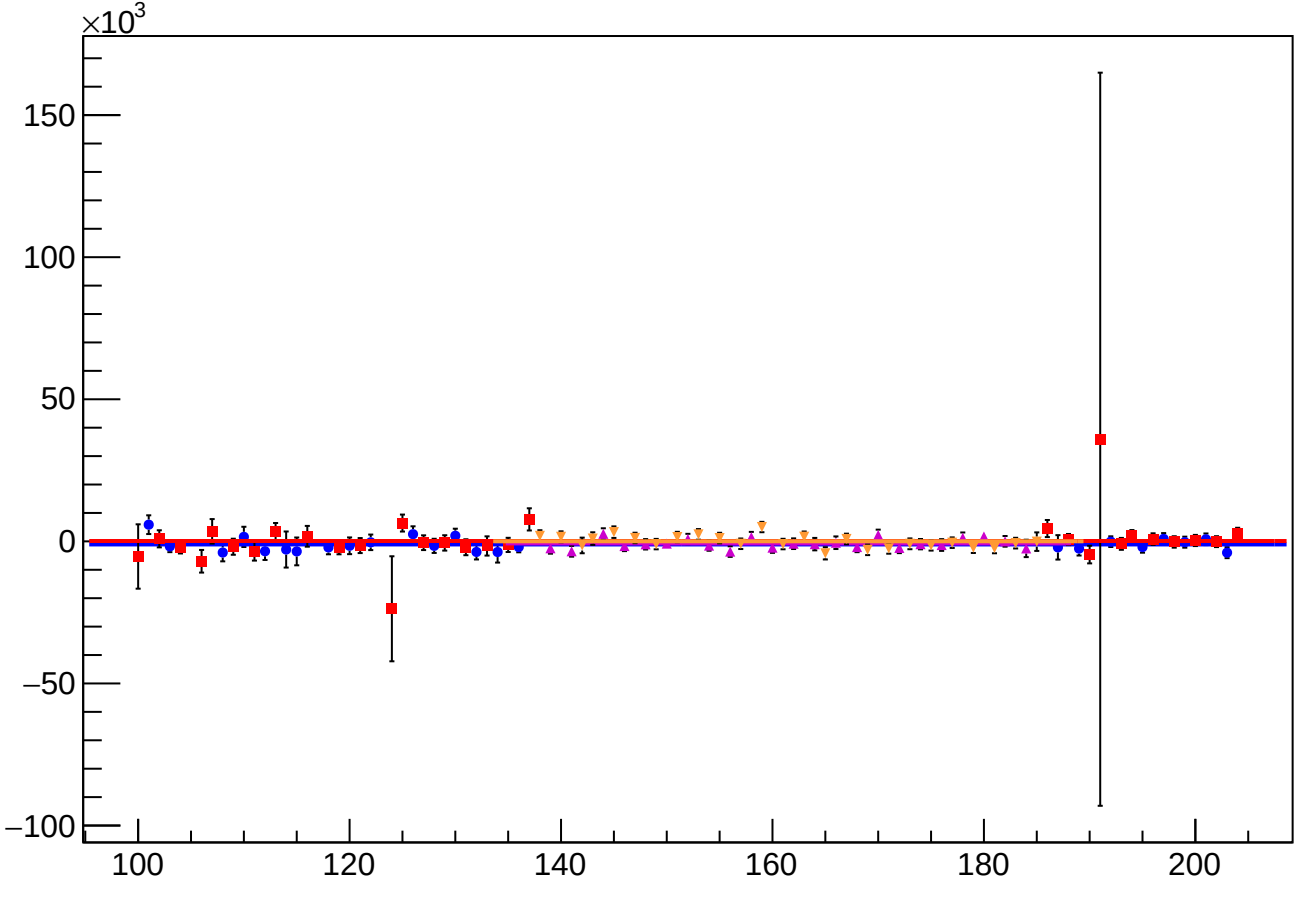
Left: 4001.121+/-0.473 χ^2/NDF: 3041954.6/47

Right: 1392.271+/-0.325 χ^2/NDF: 37764093.9/53

In: 4190.269+/-0.547 χ^2/NDF:3981104.4/46

Out: 1611.692+/-0.307 χ^2/NDF:40622801.3/54

All: 2228.724+/-0.268 χ^2/NDF: 61491650.3/1



Right In: -1086.709+/-509.425 χ^2/NDF: 17.3/23

Left Out: 23.186+/-387.732 χ^2/NDF:29.5/24

Right Out: 124.267+/-484.599 χ^2/NDF: 28.7/29

Left In: -719.380+/-396.449 χ^2/NDF:19.1/22

Left: -339.844+/-277.199 χ^2/NDF: 50.3/47

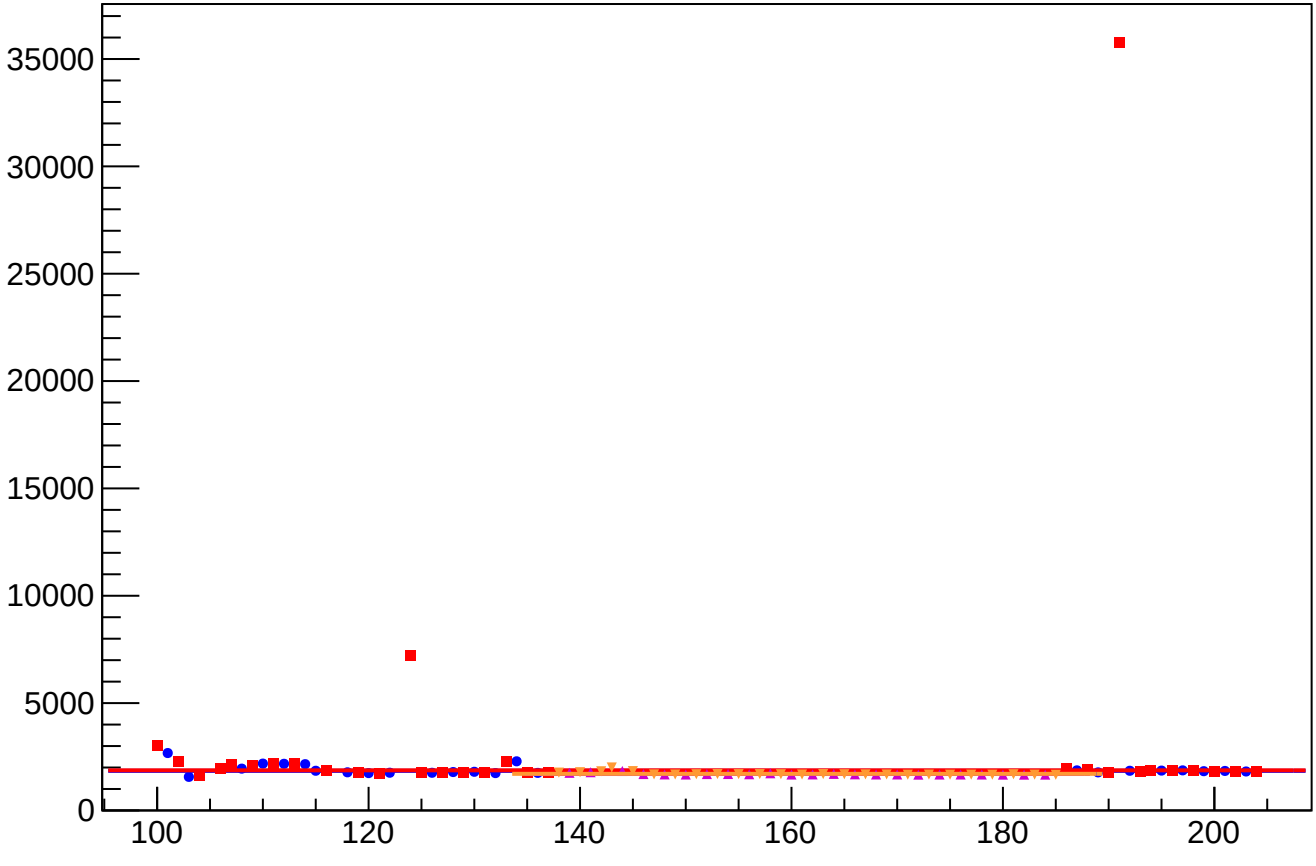
Right: -450.995+/-351.112 χ^2/NDF: 48.9/53

In: -857.935+/-312.870 χ^2/NDF:36.7/46

Out: 62.639+/-302.752 χ^2/NDF:58.1/54

All: -382.522+/-217.567 χ^2/NDF: 99.3/101

cor_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1844.531+/-0.360 χ^2/NDF: 262823.3/23

Left Out: 1705.635+/-0.274 χ^2/NDF:59928.6/24

Right Out: 1869.129+/-0.342 χ^2/NDF: 515002.5/29

Left In: 1697.514+/-0.280 χ^2/NDF:21146.9/22

Left: 1701.665+/-0.196 χ^2/NDF: 81504.4/47

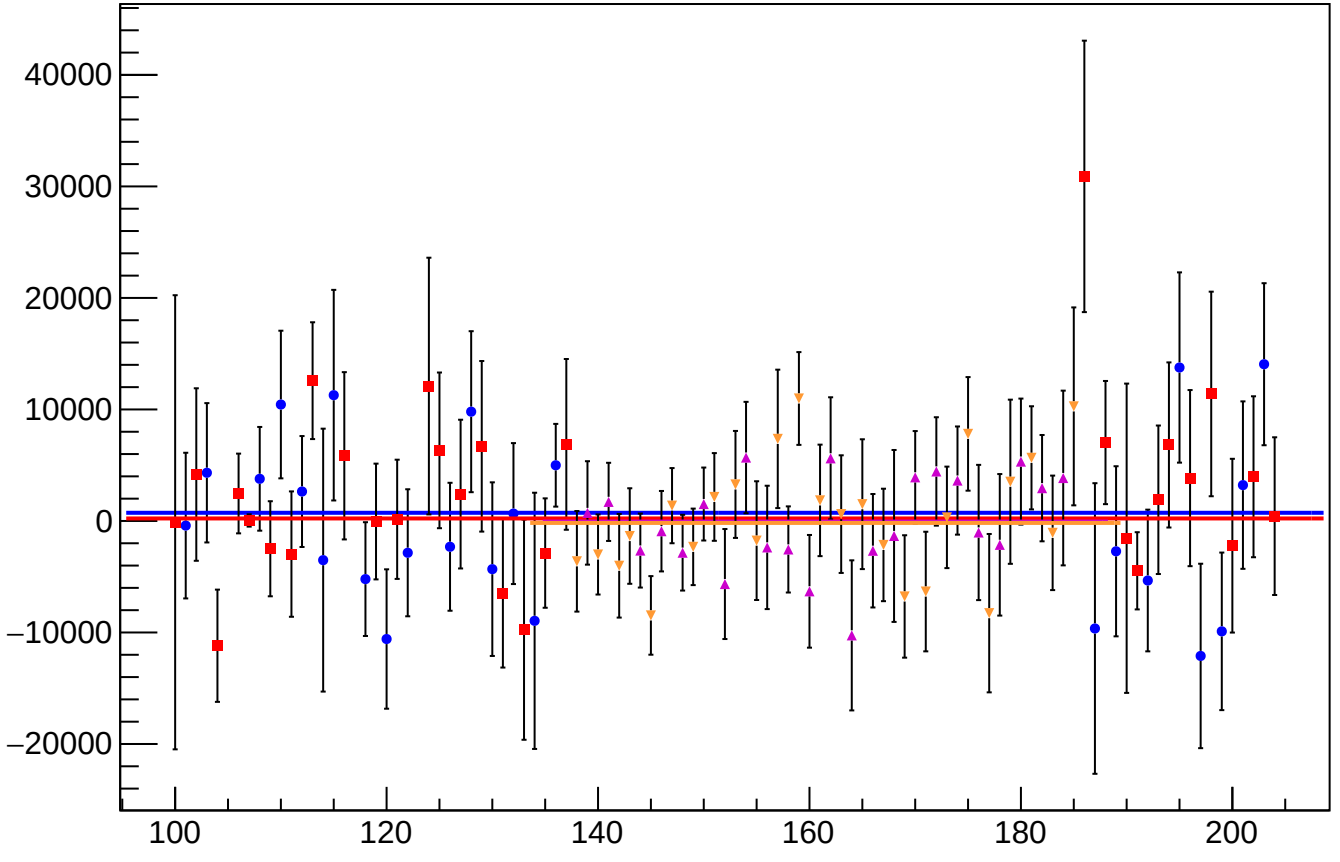
Right: 1857.456+/-0.248 χ^2/NDF: 780276.0/53

In: 1752.968+/-0.221 χ^2/NDF:387711.8/46

Out: 1769.525+/-0.214 χ^2/NDF:713894.8/54

All: 1761.522+/-0.154 χ^2/NDF: 1104500.0/10

asym_atl1r2_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: 732.805+/-1317.470 χ^2/NDF: 26.0/23

Left Out: -175.755+/-935.140 χ^2/NDF:27.9/24

Right Out: 224.495+/-496.110 χ^2/NDF: 31.2/29

Left In: -56.377+/-956.388 χ^2/NDF:14.3/22

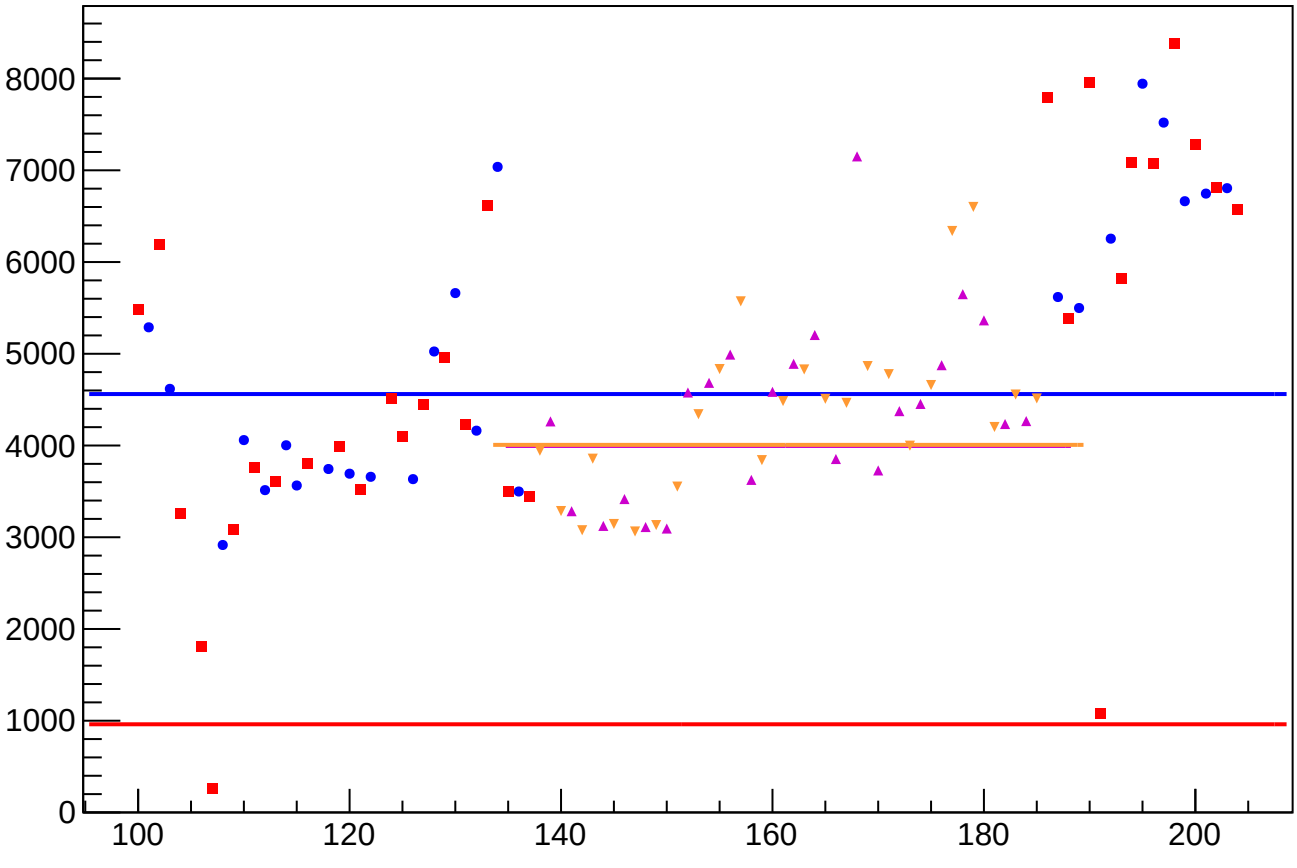
Left: -117.407+/-668.630 χ^2/NDF: 42.2/47

Right: 287.622+/-464.283 χ^2/NDF: 57.4/53

In: 215.976+/-773.960 χ^2/NDF:40.6/46

Out: 136.586+/-438.255 χ^2/NDF:59.3/54

All: 155.862+/-381.360 χ^2/NDF: 99.9/101



Right In: 4560.876+/-0.932 χ^2/NDF: 2201351.5/23

Left Out: 4006.990+/-0.661 χ^2/NDF:1503698.2/24

Right Out: 961.190+/-0.351 χ^2/NDF: 22504379.1/29

Left In: 3994.972+/-0.676 χ^2/NDF:1538098.4/22

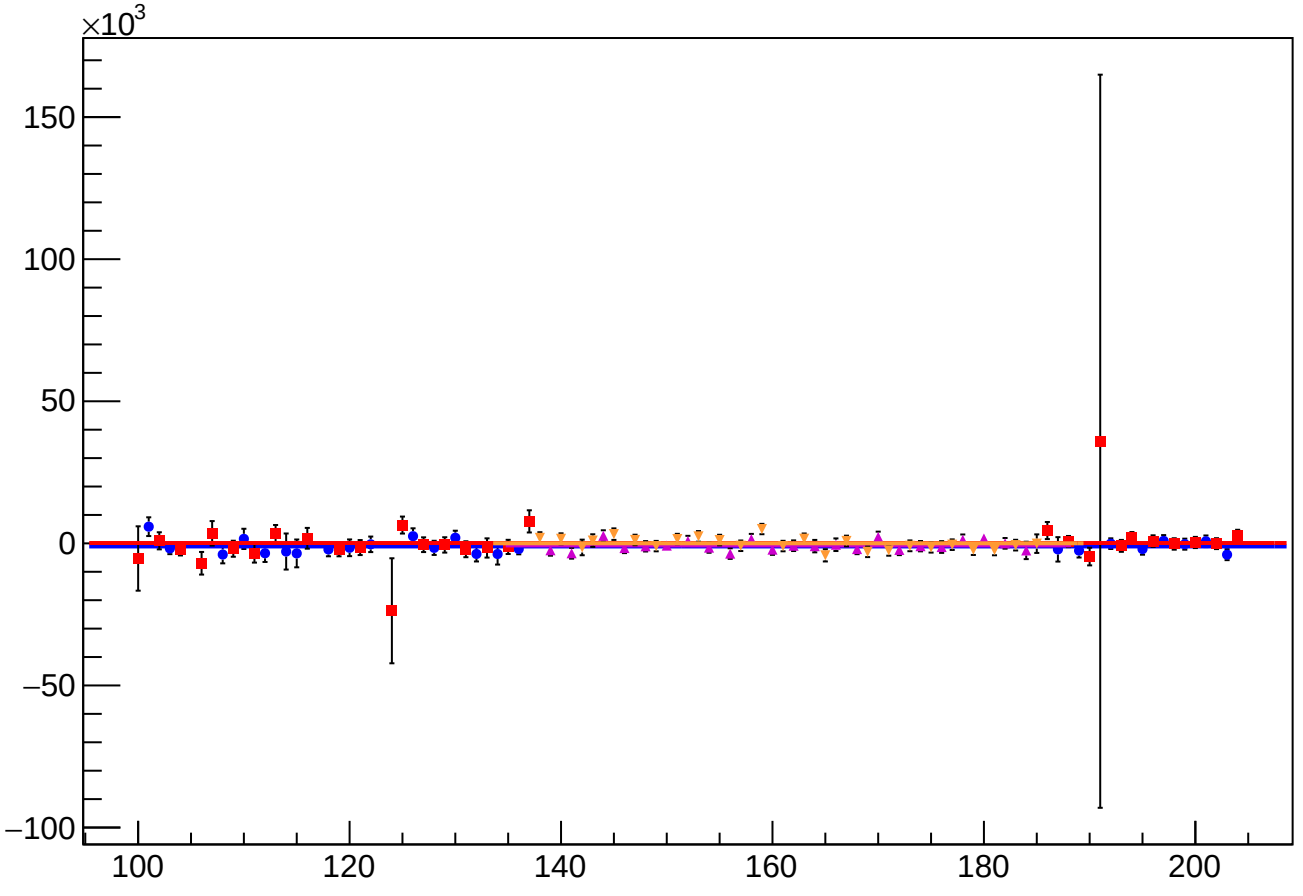
Left: 4001.116+/-0.473 χ^2/NDF: 3041958.1/47

Right: 1408.232+/-0.328 χ^2/NDF: 37782136.6/53

In: 4190.271+/-0.547 χ^2/NDF:3981108.9/46

Out: 1630.152+/-0.310 χ^2/NDF:40564937.3/54

All: 2251.725+/-0.270 χ^2/NDF: 61116284.0/1



Right In: -1086.709+/-509.425 χ^2/NDF: 17.3/23

Left Out: 23.186+/-387.732 χ^2/NDF:29.5/24

Right Out: 124.267+/-484.599 χ^2/NDF: 28.7/29

Left In: -719.380+/-396.449 χ^2/NDF:19.1/22

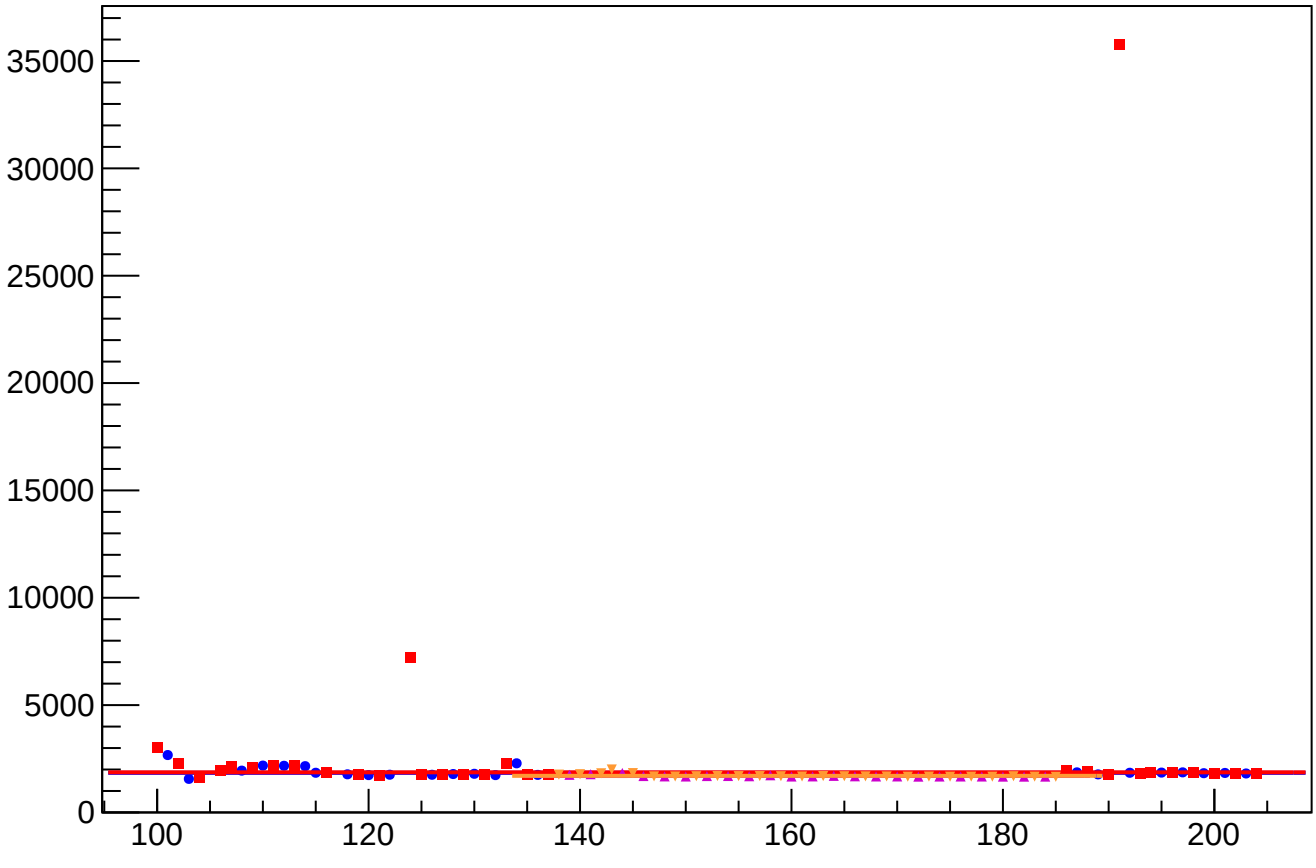
Left: -339.844+/-277.199 χ^2/NDF: 50.3/47

Right: -450.995+/-351.112 χ^2/NDF: 48.9/53

In: -857.935+/-312.870 χ^2/NDF:36.7/46

Out: 62.639+/-302.752 χ^2/NDF:58.1/54

All: -382.522+/-217.567 χ^2/NDF: 99.3/101



Right In: 1844.531+/-0.360 χ^2/NDF: 262823.3/23

Left Out: 1705.635+/-0.274 χ^2/NDF:59928.6/24

Right Out: 1869.129+/-0.342 χ^2/NDF: 515002.5/29

Left In: 1697.514+/-0.280 χ^2/NDF:21146.9/22

Left: 1701.665+/-0.196 χ^2/NDF: 81504.4/47

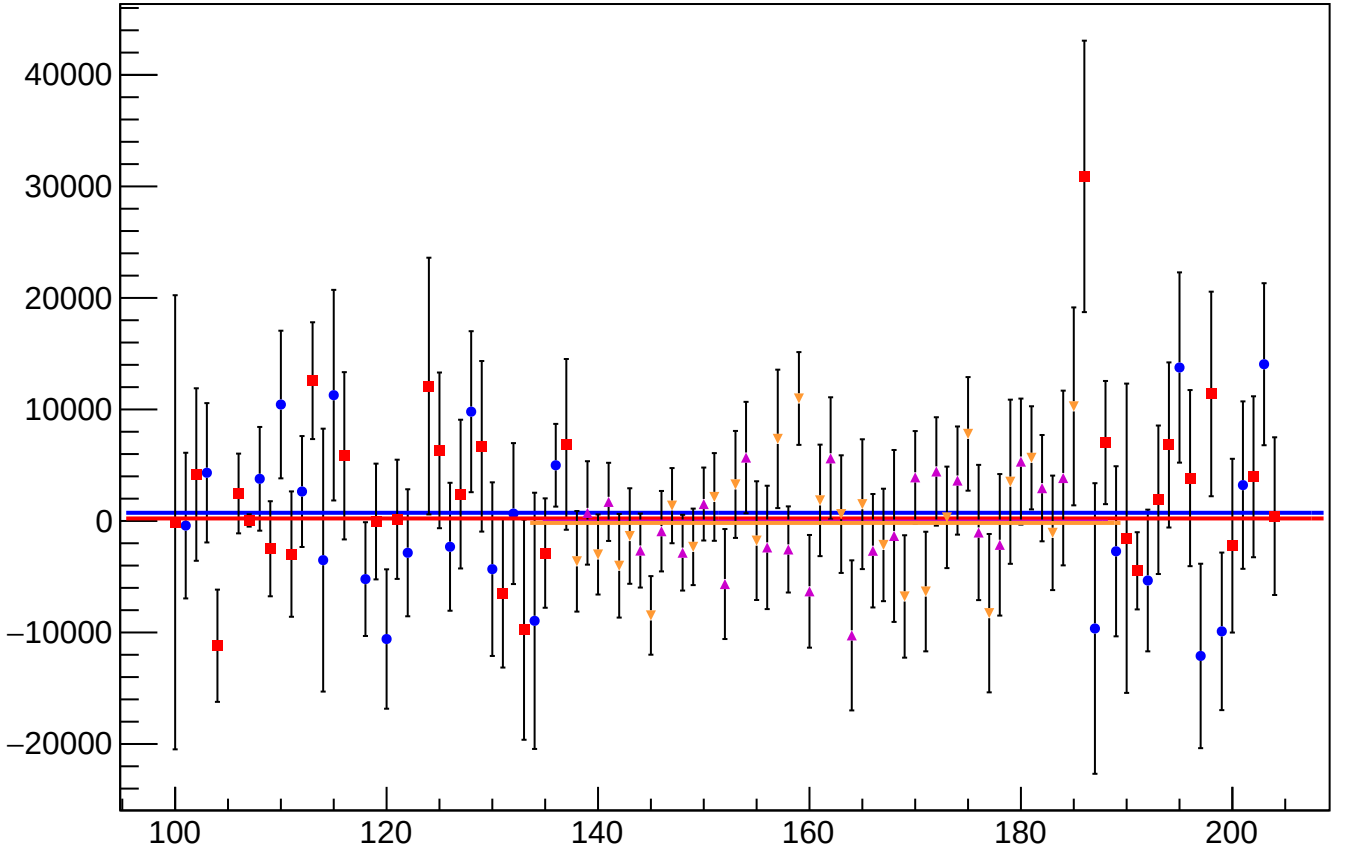
Right: 1857.456+/-0.248 χ^2/NDF: 780276.0/53

In: 1752.968+/-0.221 χ^2/NDF:387711.8/46

Out: 1769.525+/-0.214 χ^2/NDF:713894.8/54

All: 1761.522+/-0.154 χ^2/NDF: 1104500.0/10

asym_atl1r2_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 732.805+/-1317.470 χ^2/NDF: 26.0/23

Left Out: -175.755+/-935.140 χ^2/NDF:27.9/24

Right Out: 224.495+/-496.110 χ^2/NDF: 31.2/29

Left In: -56.377+/-956.388 χ^2/NDF:14.3/22

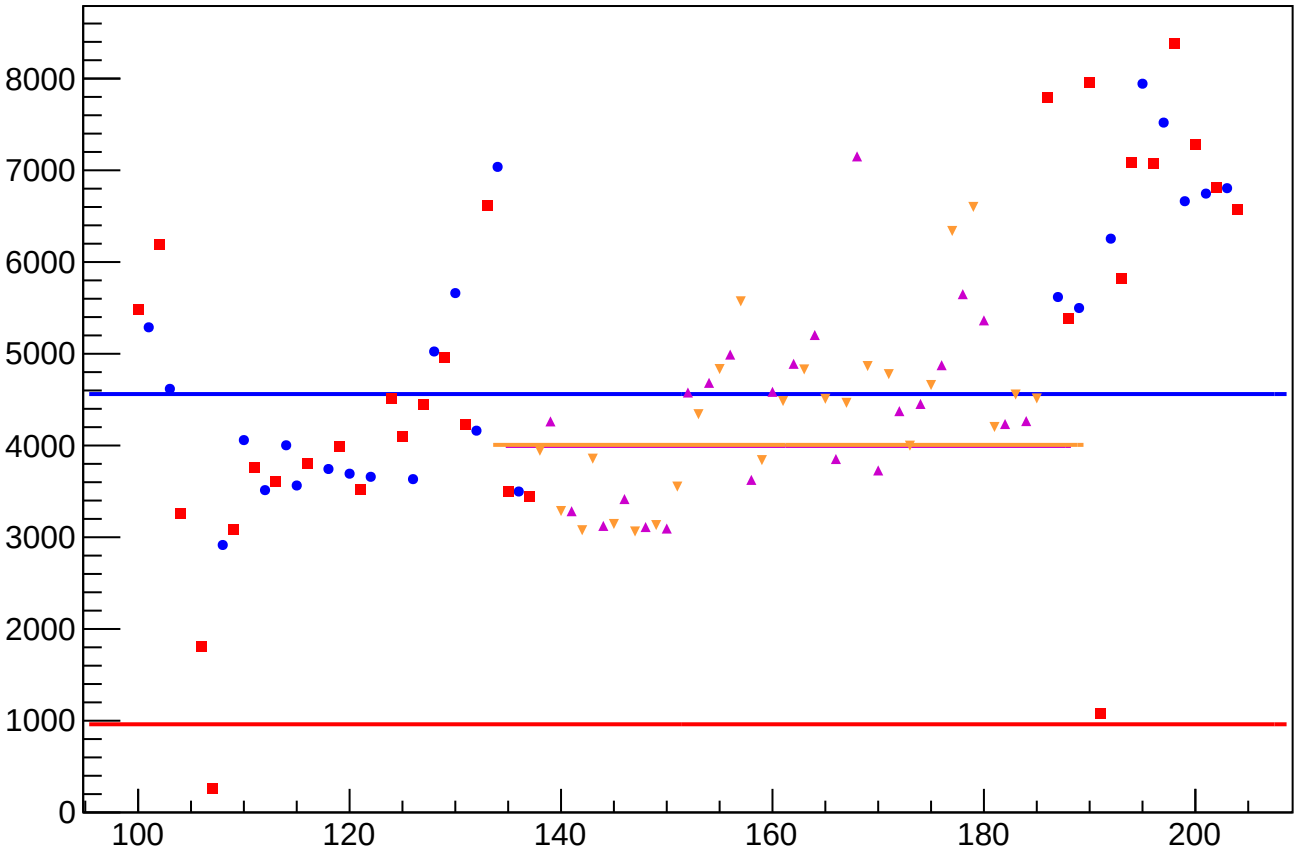
Left: -117.407+/-668.630 χ^2/NDF: 42.2/47

Right: 287.622+/-464.283 χ^2/NDF: 57.4/53

In: 215.976+/-773.960 χ^2/NDF:40.6/46

Out: 136.586+/-438.255 χ^2/NDF:59.3/54

All: 155.862+/-381.360 χ^2/NDF: 99.9/101



Right In: 4560.876+/-0.932 χ^2/NDF: 2201351.5/23

Left Out: 4006.990+/-0.661 χ^2/NDF:1503698.2/24

Right Out: 961.190+/-0.351 χ^2/NDF: 22504379.1/29

Left In: 3994.972+/-0.676 χ^2/NDF:1538098.4/22

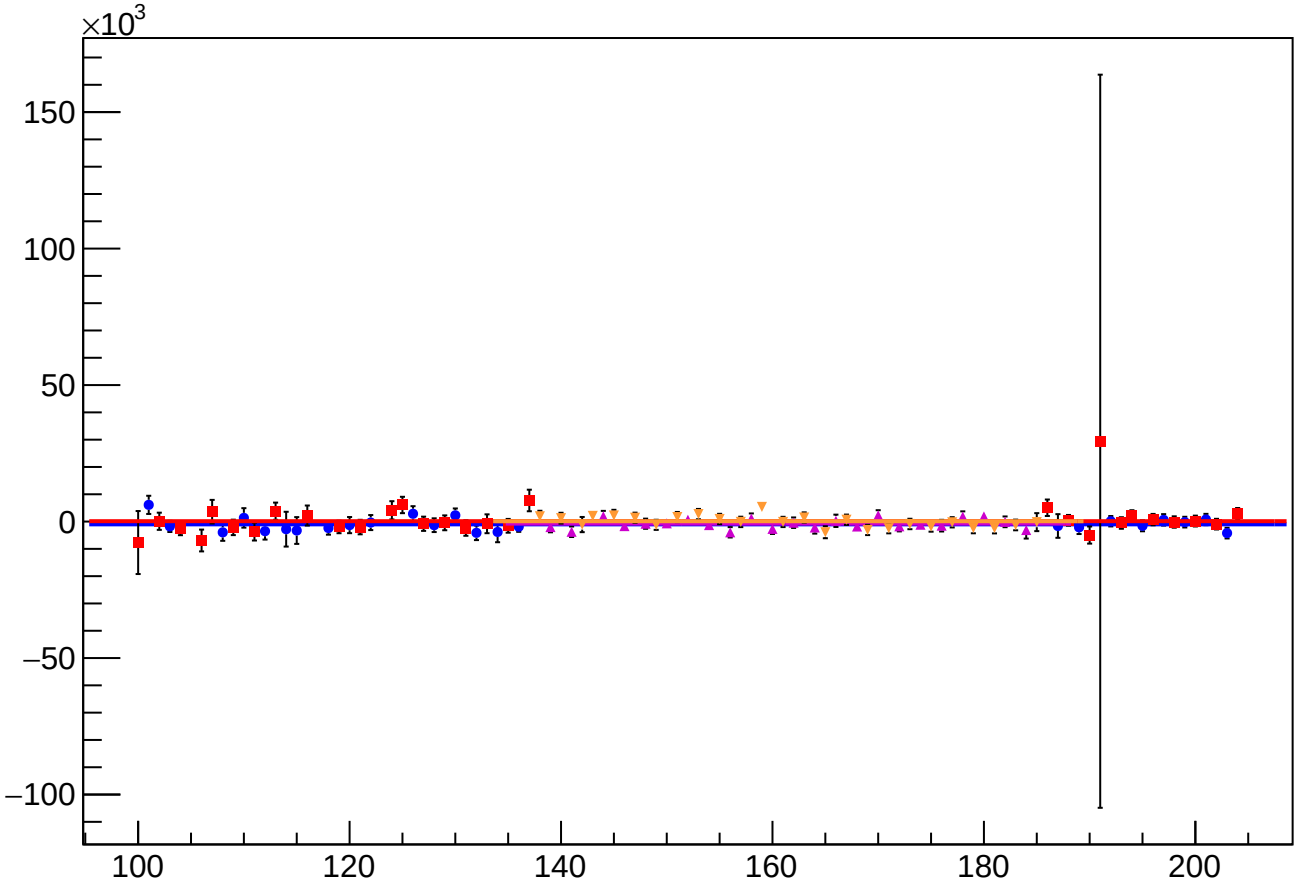
Left: 4001.116+/-0.473 χ^2/NDF: 3041958.1/47

Right: 1408.232+/-0.328 χ^2/NDF: 37782136.6/53

In: 4190.271+/-0.547 χ^2/NDF:3981108.9/46

Out: 1630.152+/-0.310 χ^2/NDF:40564937.3/54

All: 2251.725+/-0.270 χ^2/NDF: 61116284.0/



Right In: -1023.126+/-515.223 χ^2/NDF: 18.0/23

Left Out: 119.959+/-389.458 χ^2/NDF:29.7/24

Right Out: 138.386+/-486.256 χ^2/NDF: 30.4/29

Left In: -741.191+/-404.161 χ^2/NDF:19.0/22

Left: -294.668+/-280.442 χ^2/NDF: 51.1/47

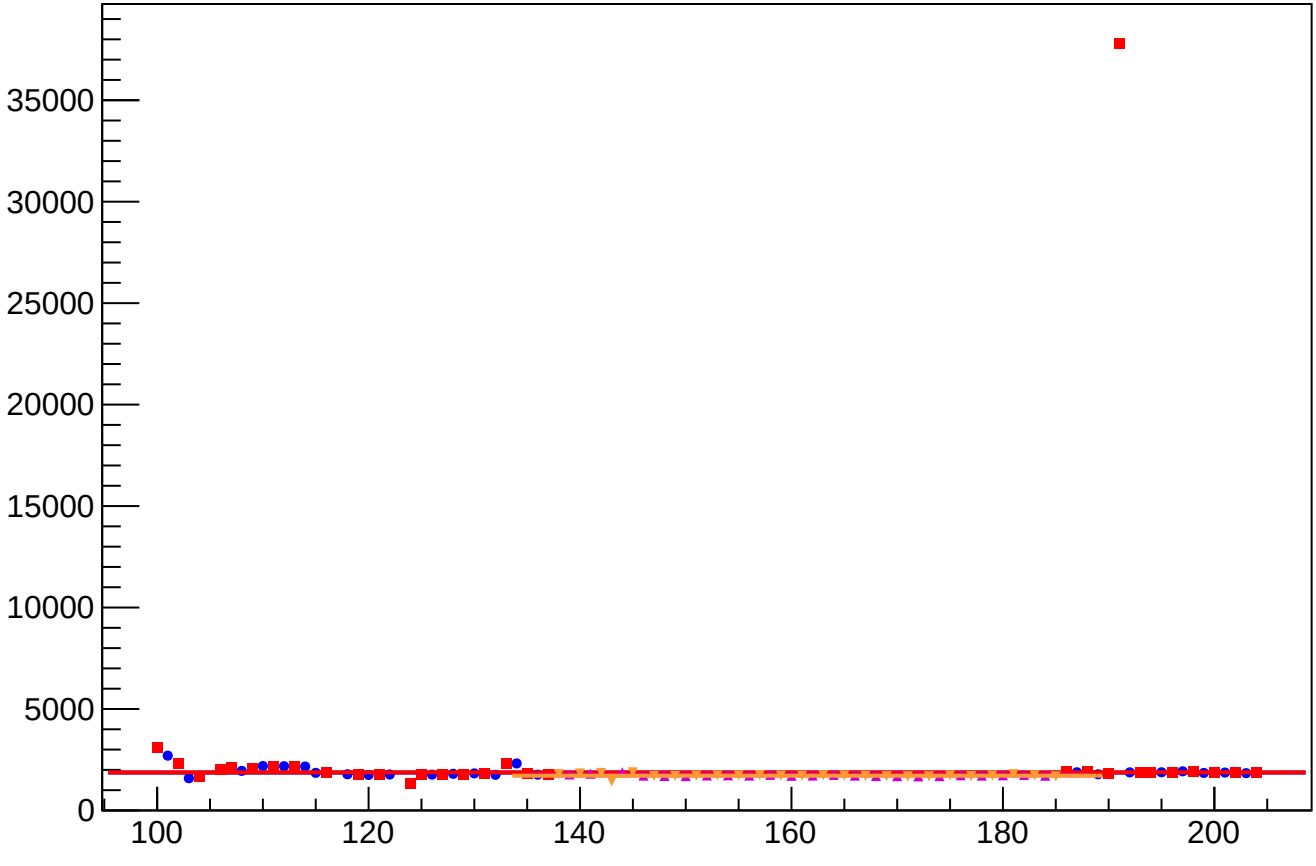
Right: -408.803+/-353.632 χ^2/NDF: 51.1/53

In: -848.590+/-317.996 χ^2/NDF:37.2/46

Out: 127.160+/-303.977 χ^2/NDF:60.1/54

All: -338.734+/-219.733 χ^2/NDF: 102.2/101

dit_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1865.339+/-0.364 χ^2/NDF: 261056.8/23

Left Out: 1712.310+/-0.275 χ^2/NDF:94399.0/24

Right Out: 1877.678+/-0.344 χ^2/NDF: 410319.1/29

Left In: 1730.342+/-0.286 χ^2/NDF:23075.7/22

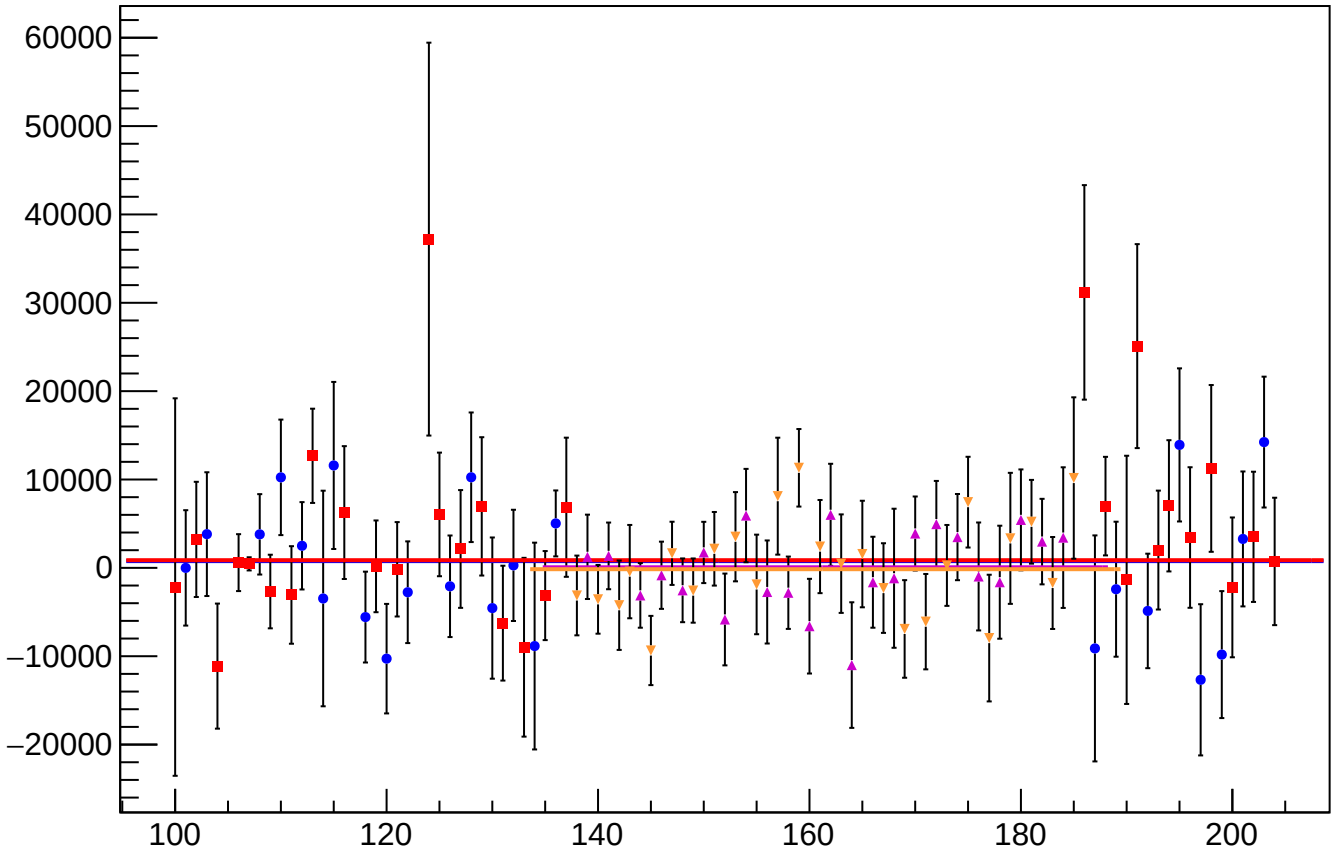
Left: 1720.992+/-0.198 χ^2/NDF: 119539.0/47

Right: 1871.868+/-0.250 χ^2/NDF: 671982.9/53

In: 1781.767+/-0.225 χ^2/NDF:369134.0/46

Out: 1776.967+/-0.215 χ^2/NDF:645704.2/54

All: 1779.258+/-0.155 χ^2/NDF: 1015076.4/10



Right In: 763.805+/-1329.087 χ^2/NDF: 25.6/23

Left Out: -150.169+/-984.984 χ^2/NDF:26.9/24

Right Out: 867.545+/-635.199 χ^2/NDF: 31.4/29

Left In: 65.169+/-1000.106 χ^2/NDF:14.0/22

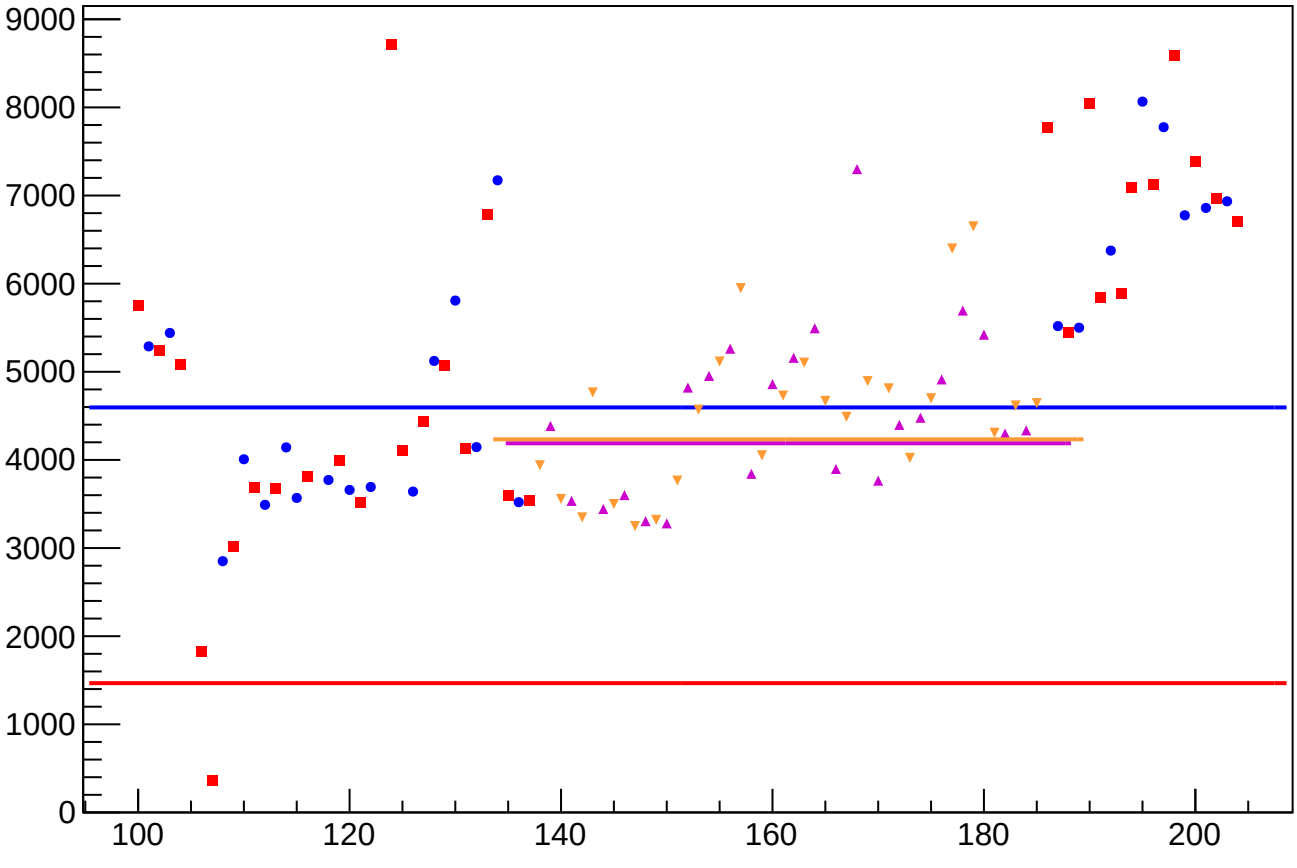
Left: -44.140+/-701.774 χ^2/NDF: 40.9/47

Right: 848.255+/-573.111 χ^2/NDF: 57.1/53

In: 317.740+/-799.134 χ^2/NDF:39.8/46

Out: 568.620+/-533.824 χ^2/NDF:59.1/54

All: 491.212+/-443.894 χ^2/NDF: 98.9/101



Right In: 4595.602+/-0.940 χ^2/NDF: 2364788.9/23

Left Out: 4233.905+/-0.696 χ^2/NDF:1284783.2/24

Right Out: 1467.232+/-0.449 χ^2/NDF: 19996251.0/29

Left In: 4188.874+/-0.707 χ^2/NDF:1344602.0/22

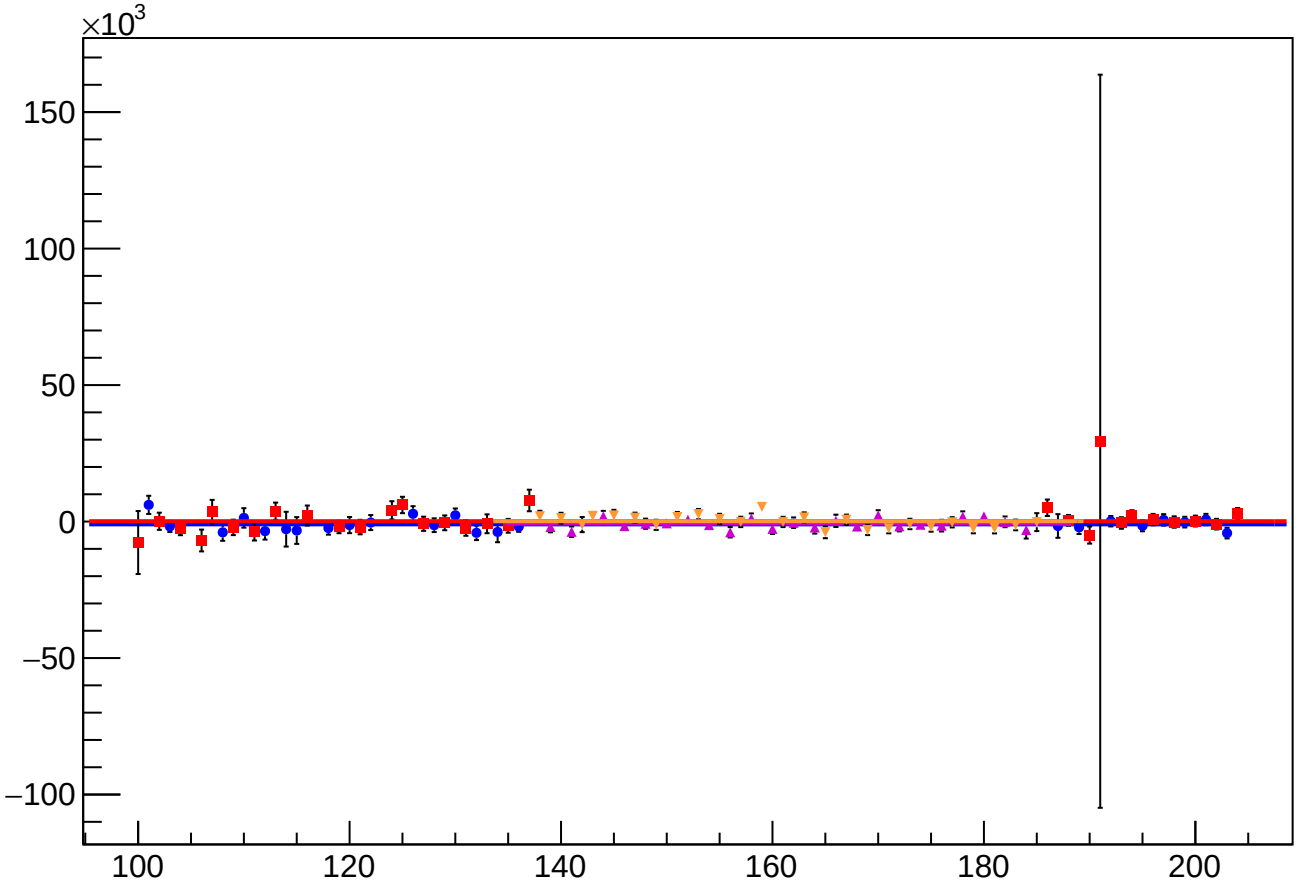
Left: 4211.733+/-0.496 χ^2/NDF: 2631443.5/47

Right: 2048.918+/-0.405 χ^2/NDF: 31381244.6/53

In: 4335.914+/-0.565 χ^2/NDF:3828976.3/46

Out: 2279.866+/-0.377 χ^2/NDF:32425586.7/54

All: 2914.251+/-0.314 χ^2/NDF: 45408769.8/1



Right In: -1023.126+/-515.223 χ^2/NDF: 18.0/23

Left Out: 119.962+/-389.458 χ^2/NDF:29.7/24

Right Out: 138.385+/-486.256 χ^2/NDF: 30.4/29

Left In: -741.189+/-404.161 χ^2/NDF:19.0/22

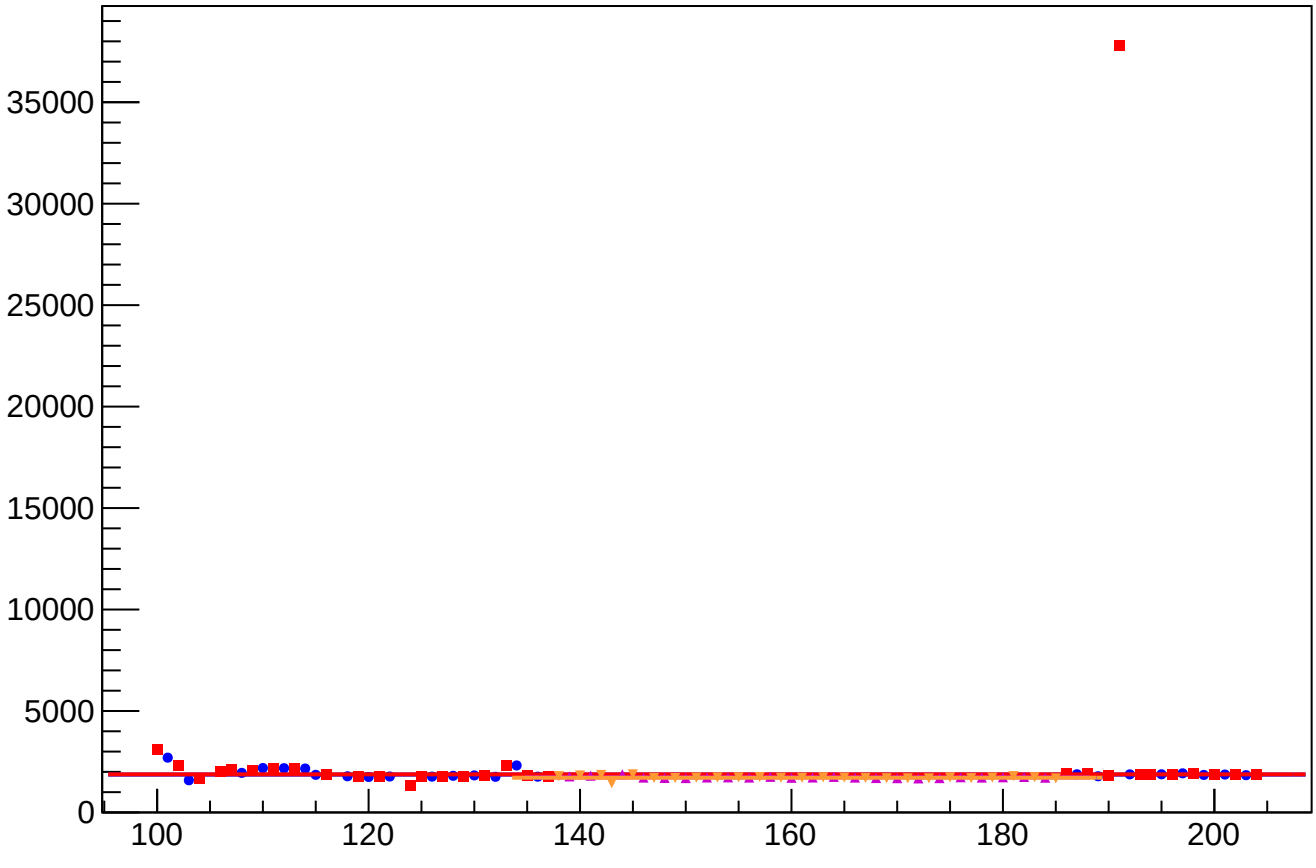
Left: -294.666+/-280.442 χ^2/NDF: 51.1/47

Right: -408.803+/-353.632 χ^2/NDF: 51.1/53

In: -848.590+/-317.996 χ^2/NDF:37.2/46

Out: 127.161+/-303.977 χ^2/NDF:60.1/54

All: -338.733+/-219.733 χ^2/NDF: 102.2/101



Right In: 1865.339+/-0.364 χ^2/NDF: 261056.7/23

Left Out: 1712.310+/-0.275 χ^2/NDF:94398.1/24

Right Out: 1877.678+/-0.344 χ^2/NDF: 410319.5/29

Left In: 1730.342+/-0.286 χ^2/NDF:23075.7/22

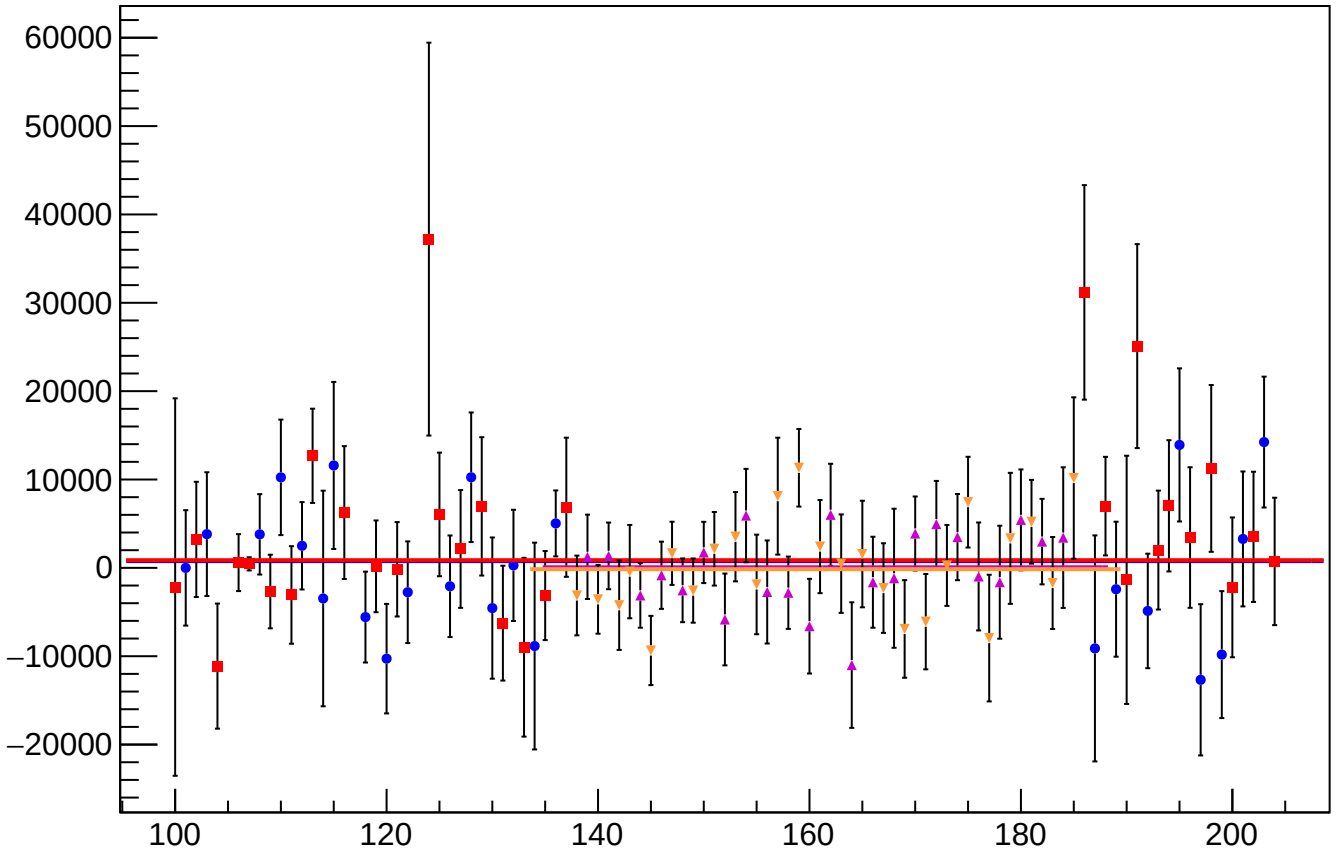
Left: 1720.992+/-0.198 χ^2/NDF: 119538.1/47

Right: 1871.868+/-0.250 χ^2/NDF: 671983.1/53

In: 1781.768+/-0.225 χ^2/NDF:369133.2/46

Out: 1776.967+/-0.215 χ^2/NDF:645702.8/54

All: 1779.259+/-0.155 χ^2/NDF: 1015074.2/10



Right In: 763.791+/-1329.086 χ^2/NDF: 25.6/23

Left Out: -150.169+/-984.986 χ^2/NDF:26.9/24

Right Out: 867.563+/-635.209 χ^2/NDF: 31.4/29

Left In: 65.171+/-1000.108 χ^2/NDF:14.0/22

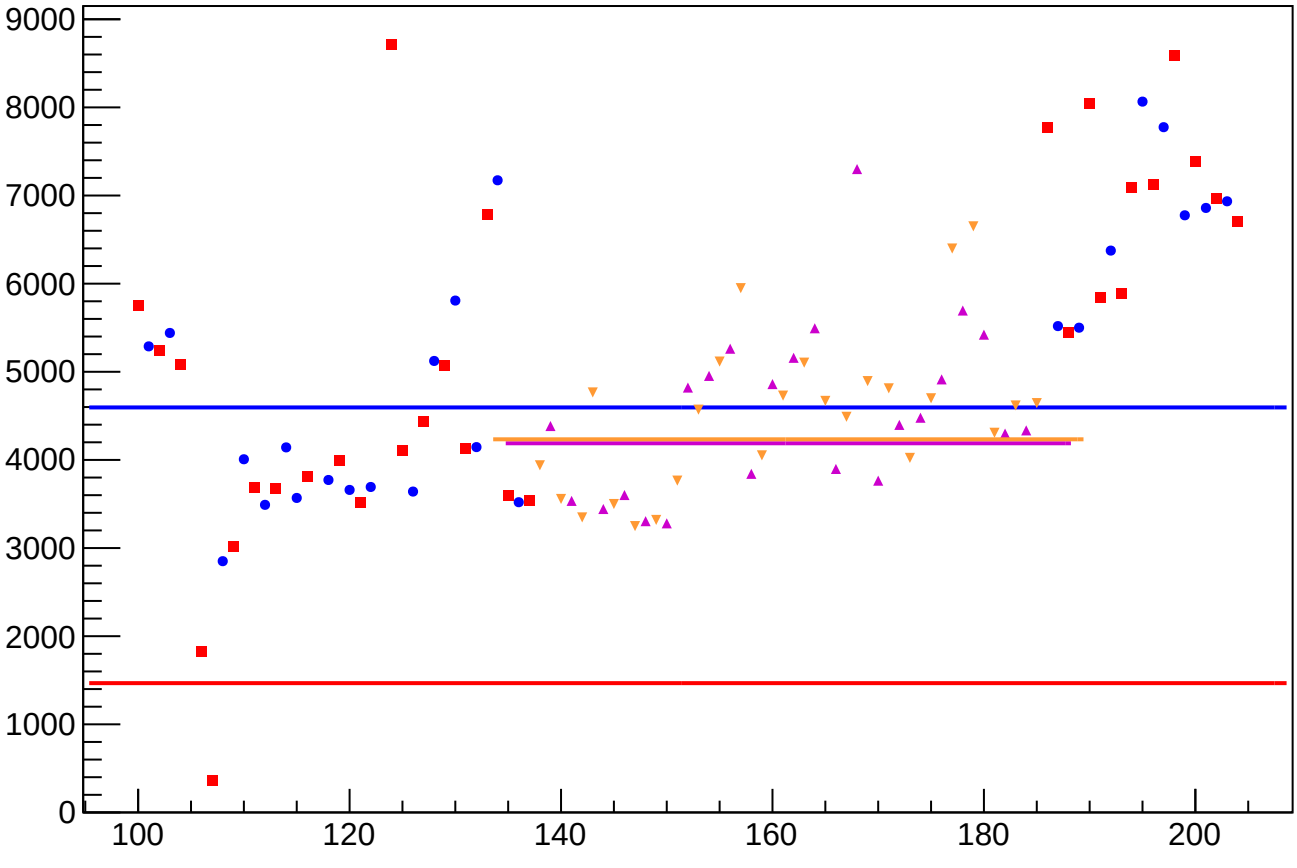
Left: -44.139+/-701.775 χ^2/NDF: 40.9/47

Right: 848.267+/-573.118 χ^2/NDF: 57.1/53

In: 317.737+/-799.135 χ^2/NDF:39.8/46

Out: 568.626+/-533.830 χ^2/NDF:59.1/54

All: 491.214+/-443.898 χ^2/NDF: 98.9/101



Right In: 4595.596+/-0.940 χ^2/NDF: 2364802.8/23

Left Out: 4233.911+/-0.696 χ^2/NDF:1284785.6/24

Right Out: 1467.272+/-0.449 χ^2/NDF: 19995993.3/29

Left In: 4188.880+/-0.707 χ^2/NDF:1344607.0/22

Left: 4211.738+/-0.496 χ^2/NDF: 2631450.8/47

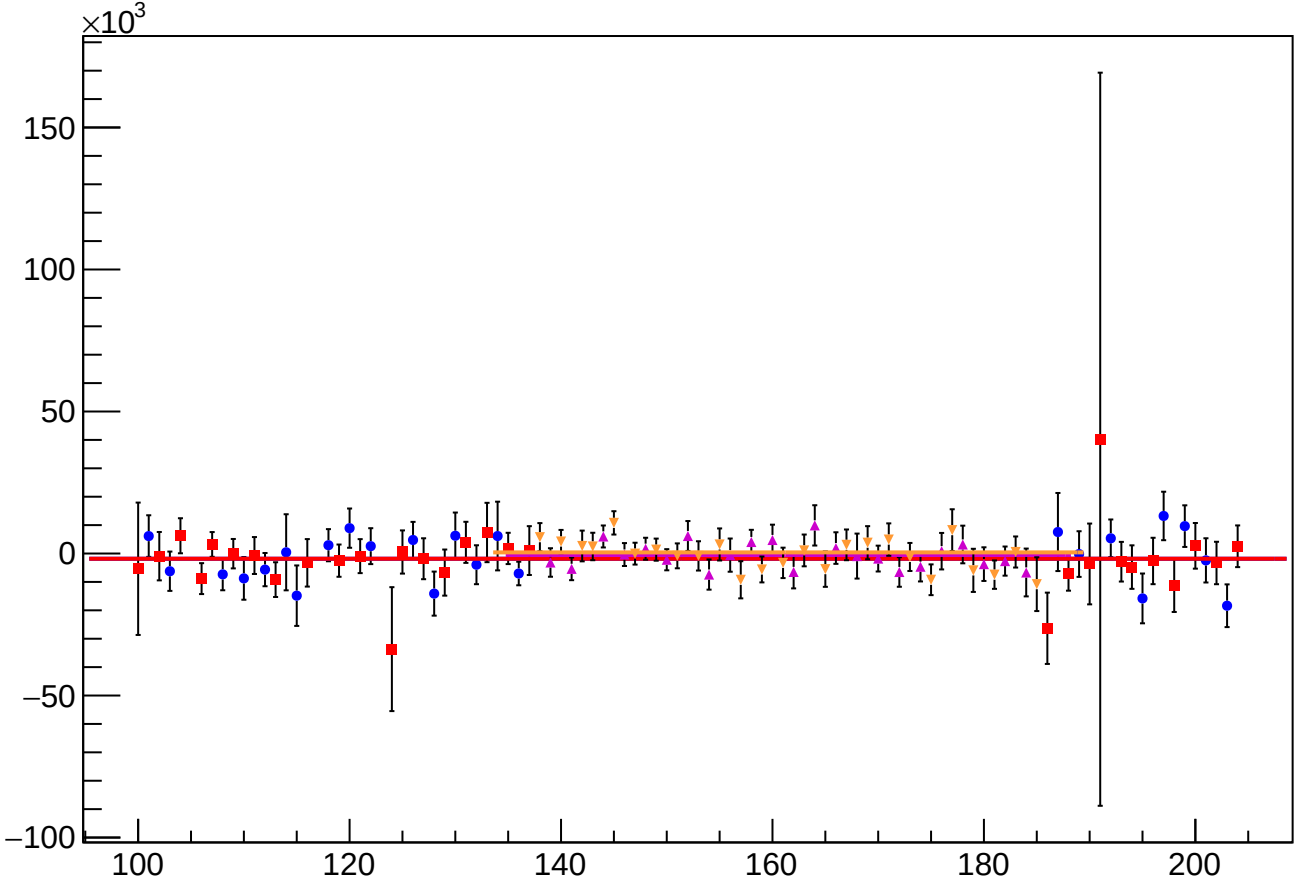
Right: 2048.965+/-0.405 χ^2/NDF: 31380698.8/53

In: 4335.917+/-0.565 χ^2/NDF:3828988.3/46

Out: 2279.912+/-0.377 χ^2/NDF:32424931.2/54

All: 2914.293+/-0.314 χ^2/NDF: 45407664.2/

asym_atl1r2_dd_mean vs Slug, Sign Corrected



Right In: -1850.639+/-1450.351 χ^2/NDF: 30.3/23

Left Out: 398.336+/-1028.431 χ^2/NDF:24.7/24

Right Out: -1836.413+/-1319.964 χ^2/NDF: 17.6/29

Left In: -502.999+/-1049.682 χ^2/NDF:17.3/22

Left: -43.115+/-734.609 χ^2/NDF: 42.4/47

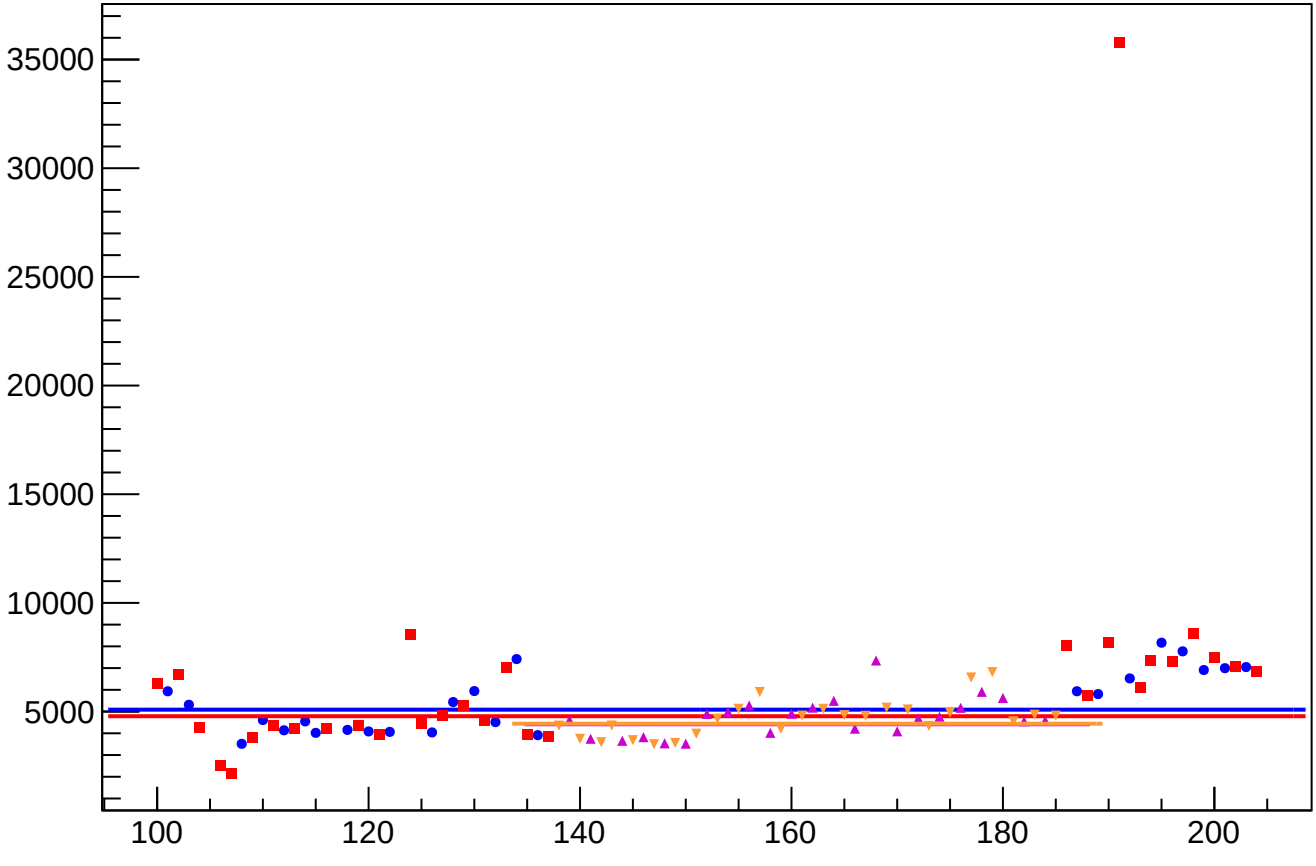
Right: -1842.858+/-976.204 χ^2/NDF: 47.9/53

In: -966.247+/-850.341 χ^2/NDF:48.2/46

Out: -445.825+/-811.260 χ^2/NDF:44.1/54

All: -693.802+/-586.977 χ^2/NDF: 92.5/101

asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 5087.114+/-1.026 χ^2/NDF: 1688864.3/23

Left Out: 4440.810+/-0.727 χ^2/NDF:1073119.1/24

Right Out: 4785.068+/-0.927 χ^2/NDF: 3494431.6/29

Left In: 4415.366+/-0.742 χ^2/NDF:1111411.1/22

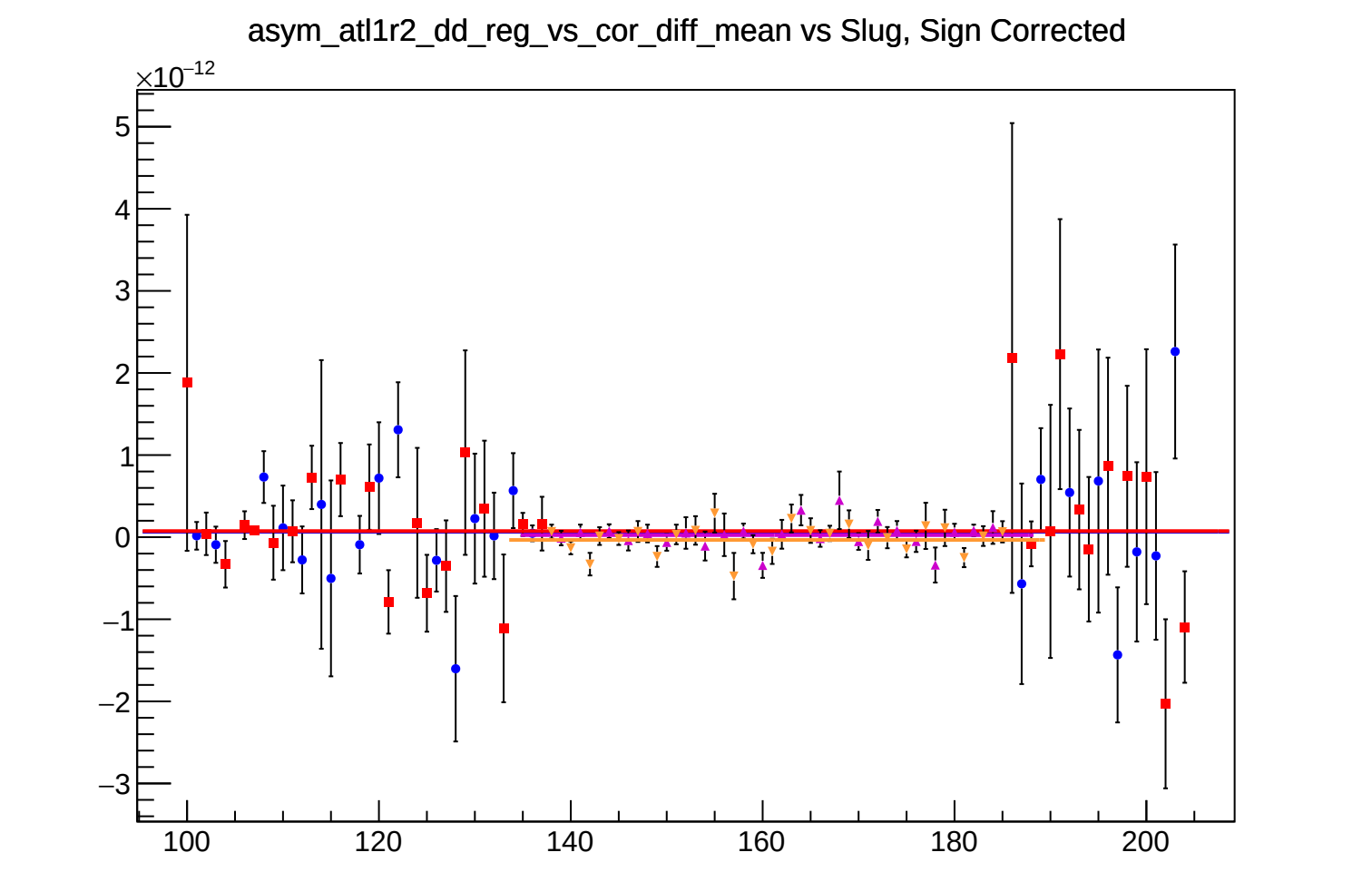
Left: 4428.348+/-0.519 χ^2/NDF: 2185129.8/47

Right: 4920.818+/-0.688 χ^2/NDF: 5231053.0/53

In: 4646.278+/-0.601 χ^2/NDF:3081832.7/46

Out: 4572.031+/-0.572 χ^2/NDF:4652972.3/54

All: 4607.307+/-0.414 χ^2/NDF: 7742808.2/10



Right In: 0.000+/-0.000 χ^2/NDF: 25.4/23

Left Out: -0.000+/-0.000 χ^2/NDF:28.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 30.8/29

Left In: 0.000+/-0.000 χ^2/NDF:19.3/22

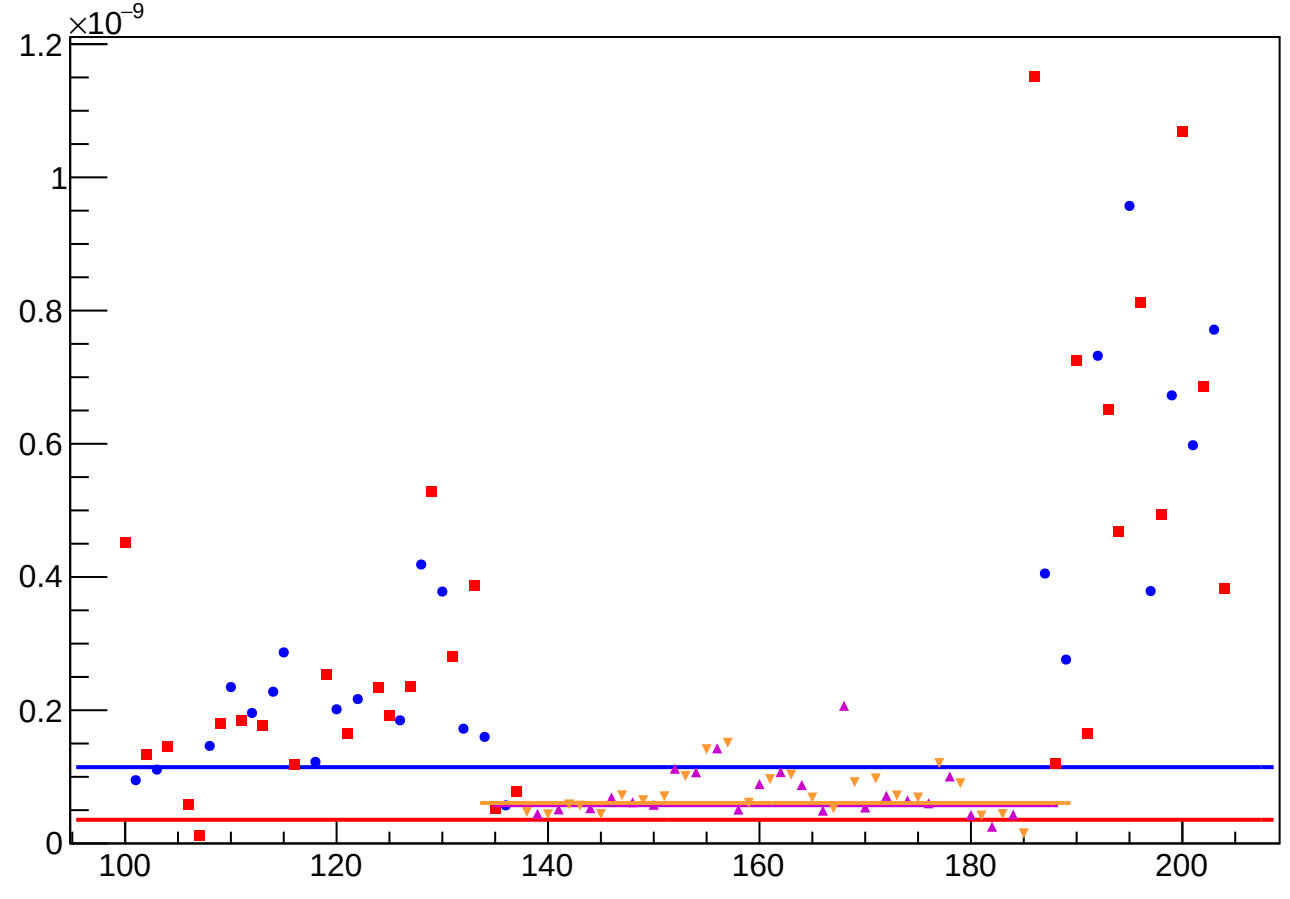
Left: -0.000+/-0.000 χ^2/NDF: 50.6/47

Right: 0.000+/-0.000 χ^2/NDF: 56.3/53

In: 0.000+/-0.000 χ^2/NDF:45.0/46

Out: 0.000+/-0.000 χ^2/NDF:66.2/54

All: 0.000+/-0.000 χ^2/NDF: 111.9/101



Right In: 0.000+/-0.000 χ^2/NDF: 4873483.9/23

Left Out: 0.000+/-0.000 χ^2/NDF:1723737.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9863620.4/29

Left In: 0.000+/-0.000 χ^2/NDF:1878360.3/22

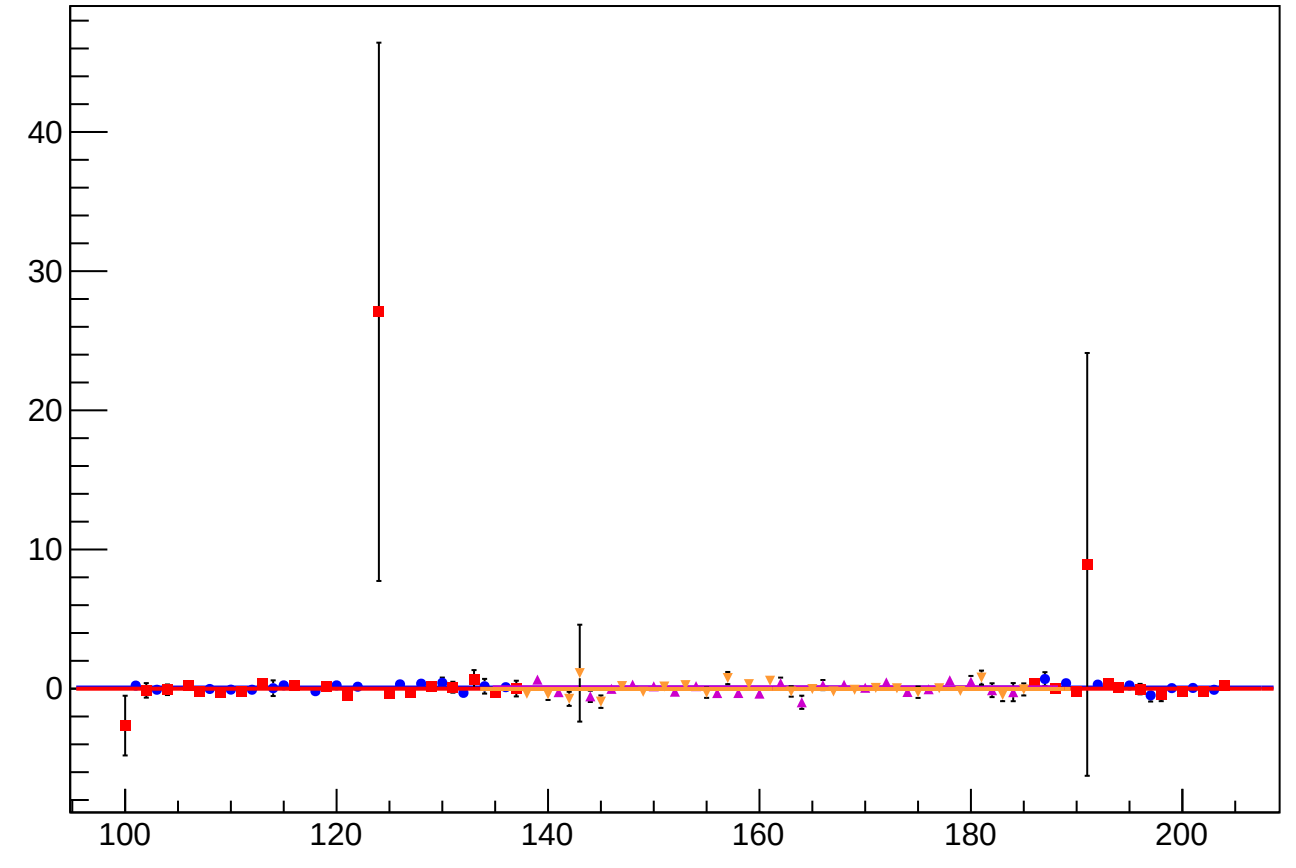
Left: 0.000+/-0.000 χ^2/NDF: 3620409.0/47

Right: 0.000+/-0.000 χ^2/NDF: 16987194.4/53

In: 0.000+/-0.000 χ^2/NDF:8039657.4/46

Out: 0.000+/-0.000 χ^2/NDF:12338969.0/54

All: 0.000+/-0.000 χ^2/NDF: 20720153.3/101



Right In: 0.082+/-0.056 χ^2/NDF: 14.2/23

Left Out: -0.024+/-0.062 χ^2/NDF:23.5/24

Right Out: -0.003+/-0.048 χ^2/NDF: 28.8/29

Left In: 0.095+/-0.063 χ^2/NDF:31.5/22

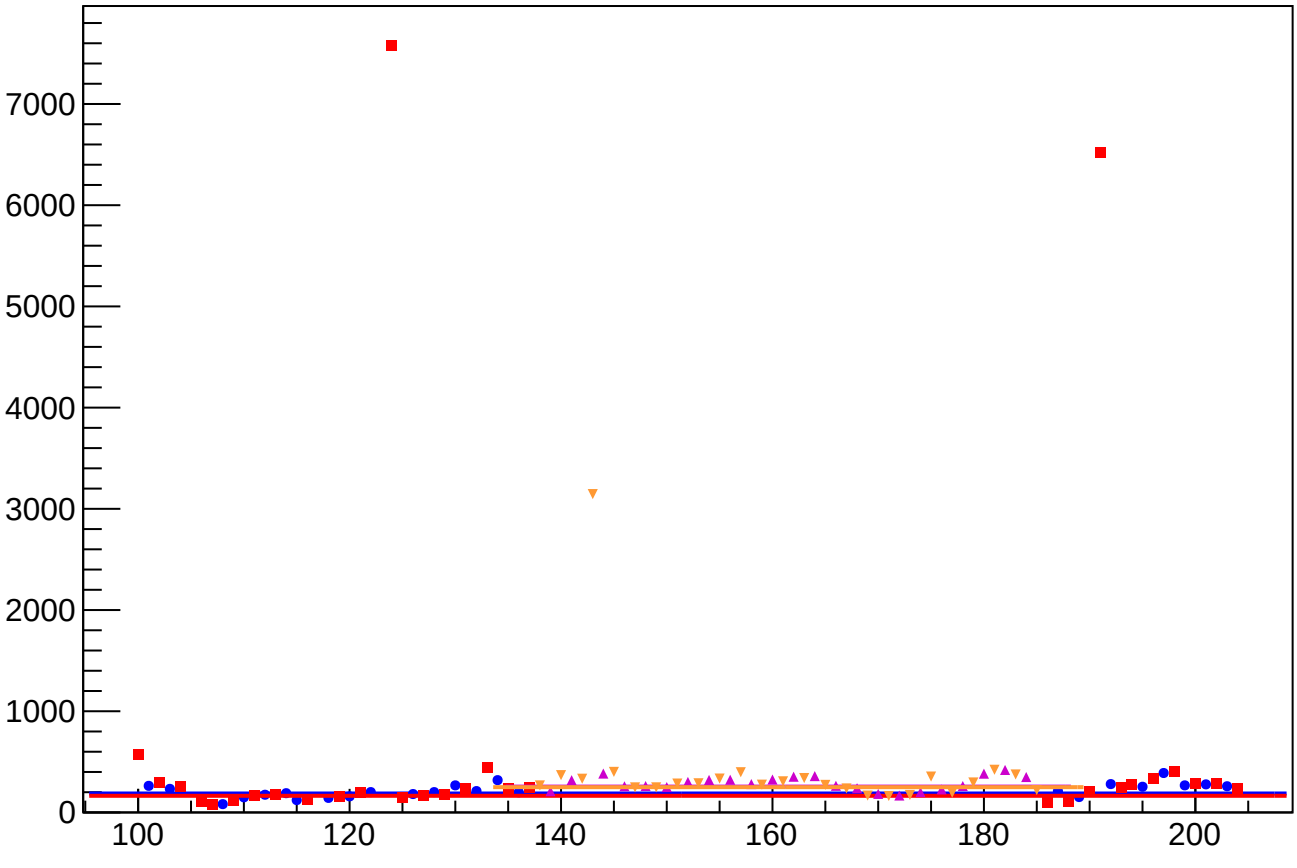
Left: 0.034+/-0.044 χ^2/NDF: 56.9/47

Right: 0.034+/-0.037 χ^2/NDF: 44.3/53

In: 0.088+/-0.042 χ^2/NDF:45.7/46

Out: -0.011+/-0.038 χ^2/NDF:52.4/54

All: 0.034+/-0.028 χ^2/NDF: 101.2/101



Right In: 187.330+/-0.040 χ^2/NDF: 2936186.9/23

Left Out: 249.848+/-0.044 χ^2/NDF:4234507.4/24

Right Out: 164.657+/-0.034 χ^2/NDF: 5272282.4/29

Left In: 255.299+/-0.045 χ^2/NDF:2111552.0/22

Left: 252.513+/-0.031 χ^2/NDF: 6353711.9/47

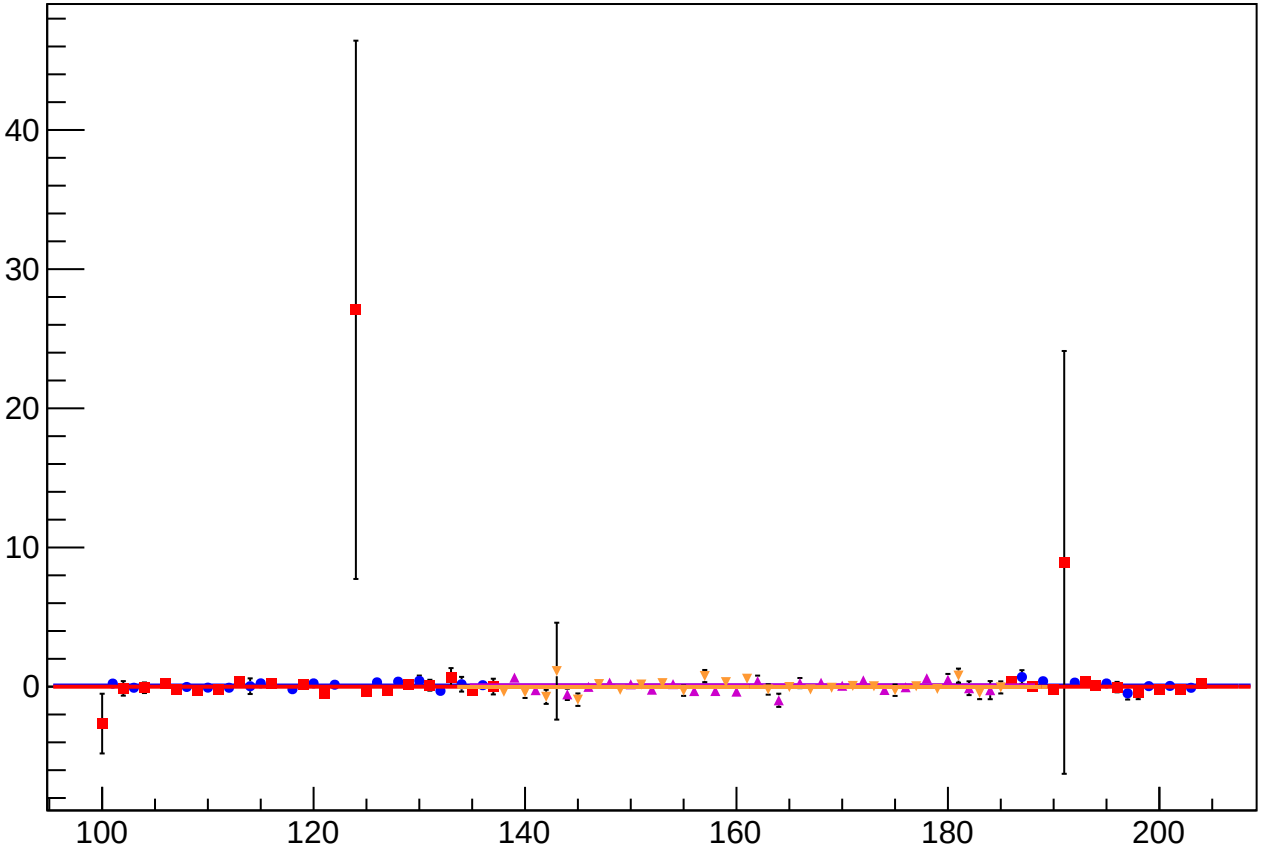
Right: 174.331+/-0.026 χ^2/NDF: 8395049.9/53

In: 217.453+/-0.030 χ^2/NDF:6343939.4/46

Out: 197.236+/-0.027 χ^2/NDF:11867716.7/54

All: 206.378+/-0.020 χ^2/NDF: 18466217.9/10

asym_atl1r2_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.082+/-0.056 χ^2/NDF: 14.2/23

Left Out: -0.024+/-0.062 χ^2/NDF:23.5/24

Right Out: -0.003+/-0.048 χ^2/NDF: 28.8/29

Left In: 0.095+/-0.063 χ^2/NDF:31.5/22

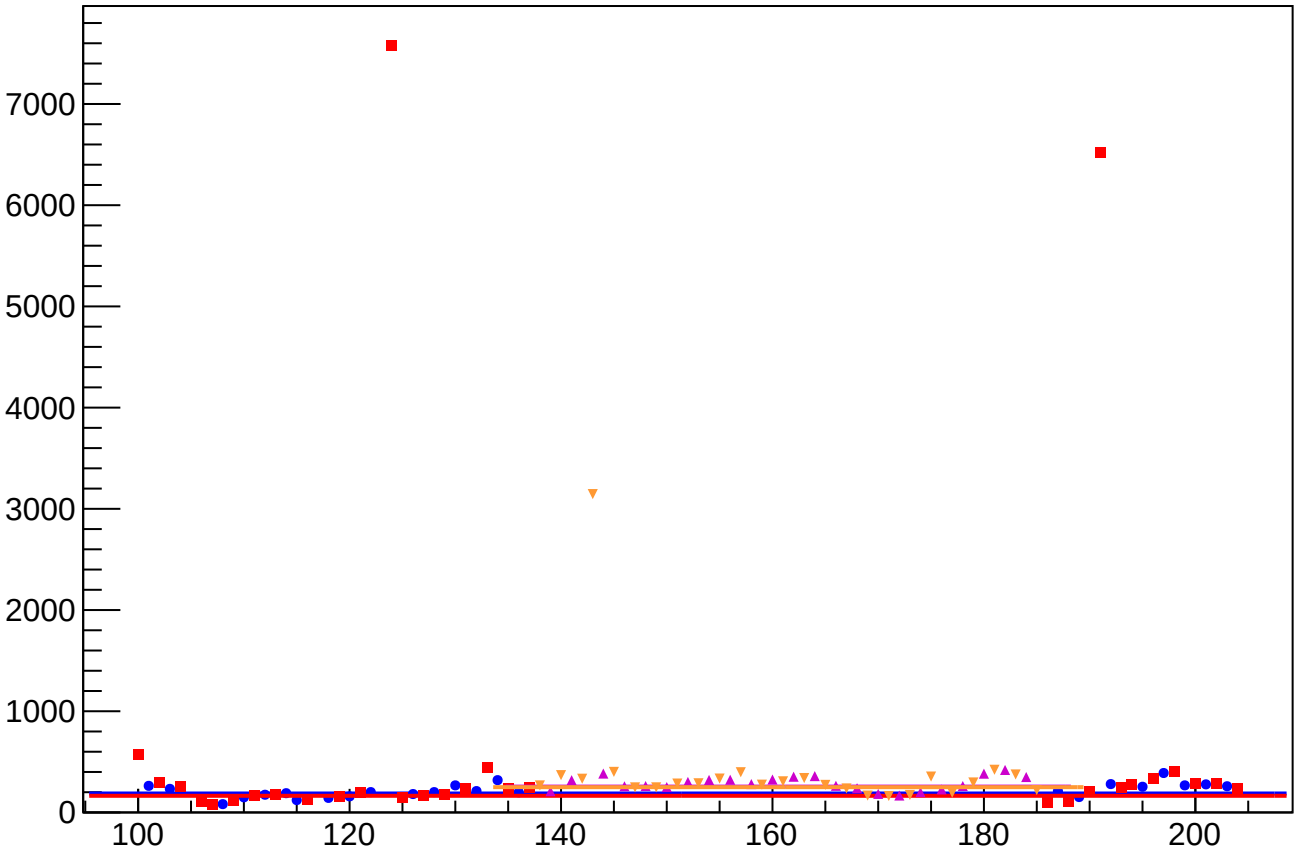
Left: 0.034+/-0.044 χ^2/NDF: 56.9/47

Right: 0.034+/-0.037 χ^2/NDF: 44.3/53

In: 0.088+/-0.042 χ^2/NDF:45.7/46

Out: -0.011+/-0.038 χ^2/NDF:52.4/54

All: 0.034+/-0.028 χ^2/NDF: 101.2/101



Right In: 187.330+/-0.040 χ^2/NDF: 2936186.9/23

Left Out: 249.848+/-0.044 χ^2/NDF:4234507.4/24

Right Out: 164.657+/-0.034 χ^2/NDF: 5272282.4/29

Left In: 255.299+/-0.045 χ^2/NDF:2111552.0/22

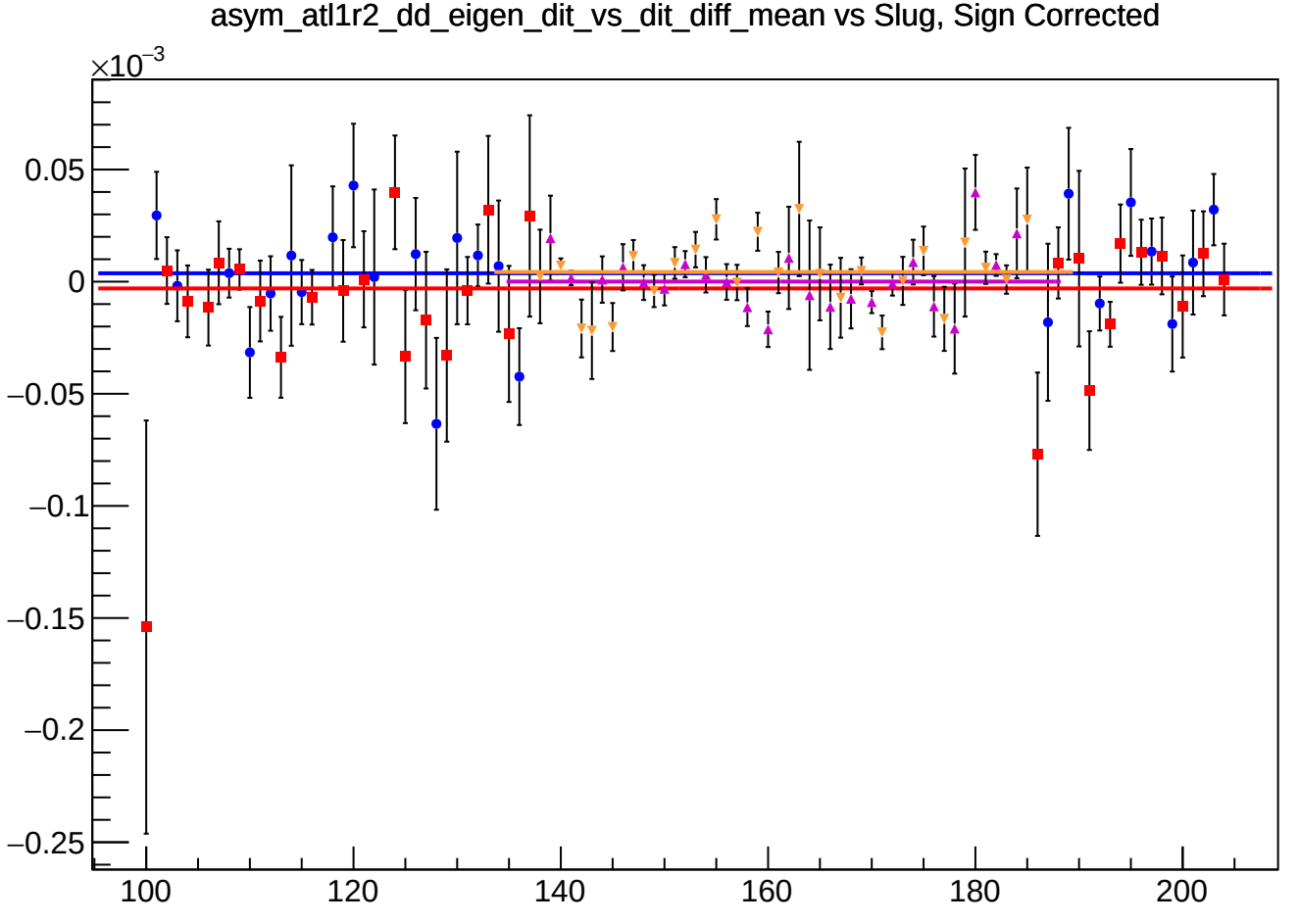
Left: 252.513+/-0.031 χ^2/NDF: 6353711.9/47

Right: 174.331+/-0.026 χ^2/NDF: 8395049.9/53

In: 217.453+/-0.030 χ^2/NDF:6343939.4/46

Out: 197.236+/-0.027 χ^2/NDF:11867716.7/54

All: 206.378+/-0.020 χ^2/NDF: 18466217.9/10



Right In: 0.000+/-0.000 χ^2/NDF: 26.0/23

Left Out: 0.000+/-0.000 χ^2/NDF:46.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 29.0/29

Left In: 0.000+/-0.000 χ^2/NDF:29.0/22

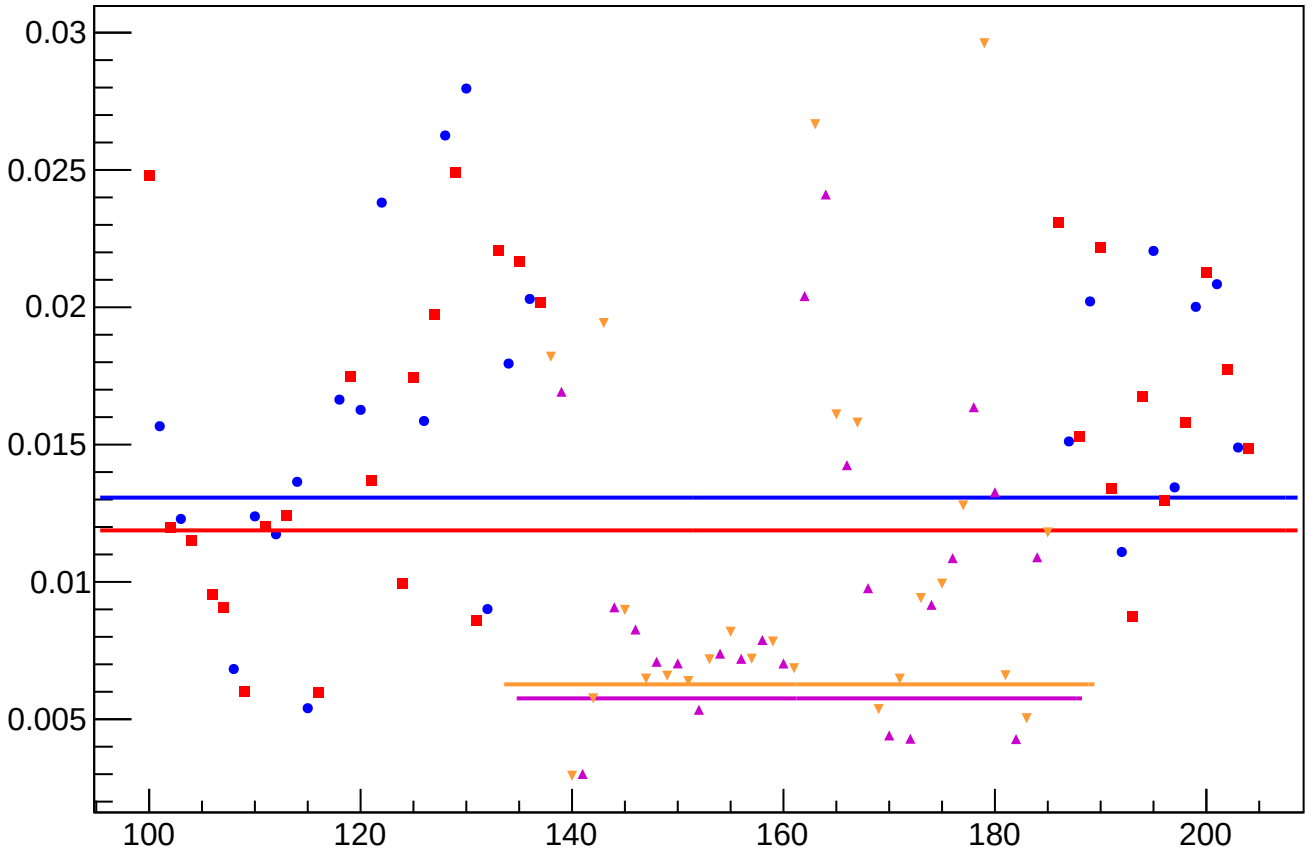
Left: 0.000+/-0.000 χ^2/NDF: 78.6/47

Right: -0.000+/-0.000 χ^2/NDF: 56.8/53

In: 0.000+/-0.000 χ^2/NDF:55.8/46

Out: 0.000+/-0.000 χ^2/NDF:79.0/54

All: 0.000+/-0.000 χ^2/NDF: 136.1/101



Right In: 0.013+/-0.000 χ^2/NDF: 3460701.4/23

Left Out: 0.006+/-0.000 χ^2/NDF:7909965.6/24

Right Out: 0.012+/-0.000 χ^2/NDF: 4085844.7/29

Left In: 0.006+/-0.000 χ^2/NDF:7081814.9/22

Left: 0.006+/-0.000 χ^2/NDF: 15091688.1/47

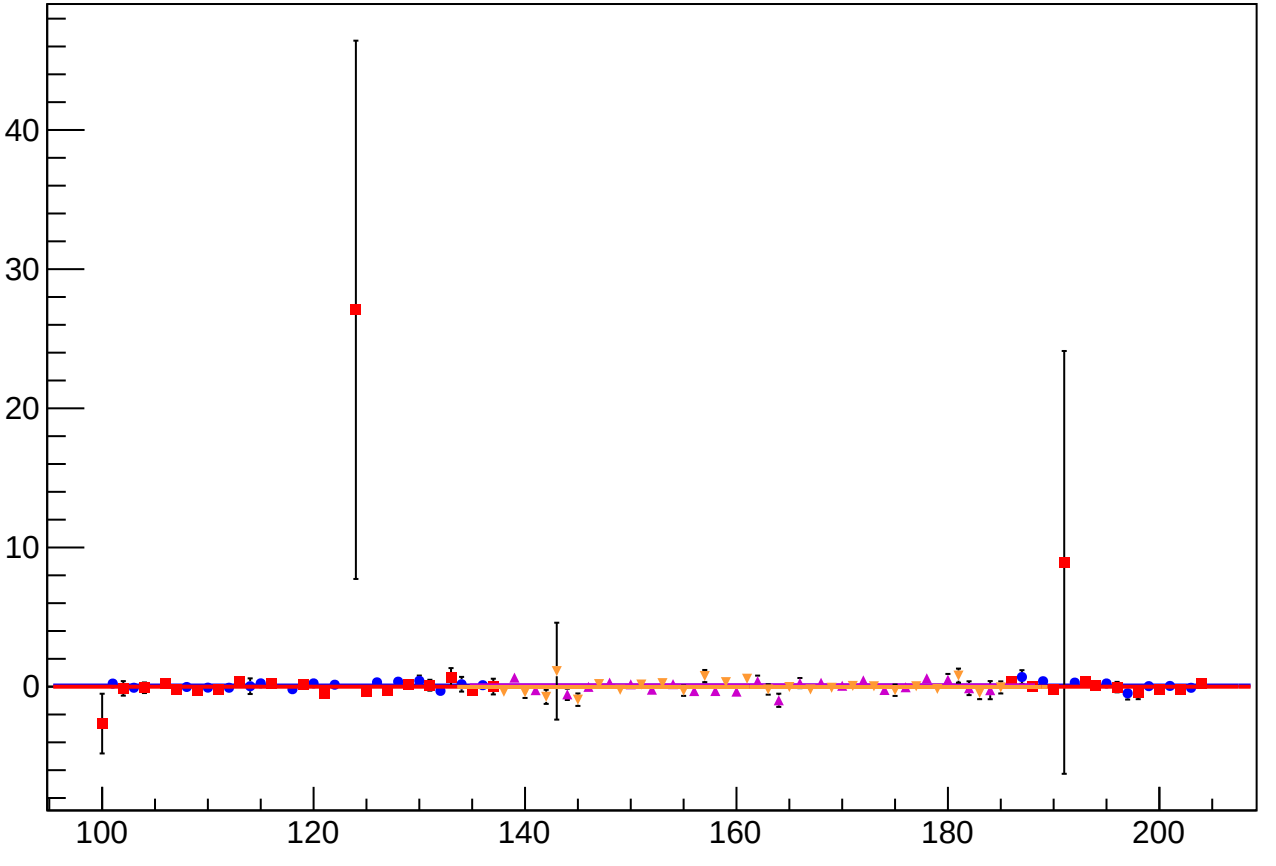
Right: 0.012+/-0.000 χ^2/NDF: 7655758.6/53

In: 0.007+/-0.000 χ^2/NDF:16548594.9/46

Out: 0.007+/-0.000 χ^2/NDF:16640323.1/54

All: 0.007+/-0.000 χ^2/NDF: 33362941.2/101

asym_atl1r2_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.082+/-0.056 χ^2/NDF: 14.2/23

Left Out: -0.024+/-0.062 χ^2/NDF:23.5/24

Right Out: -0.003+/-0.048 χ^2/NDF: 28.8/29

Left In: 0.095+/-0.063 χ^2/NDF:31.5/22

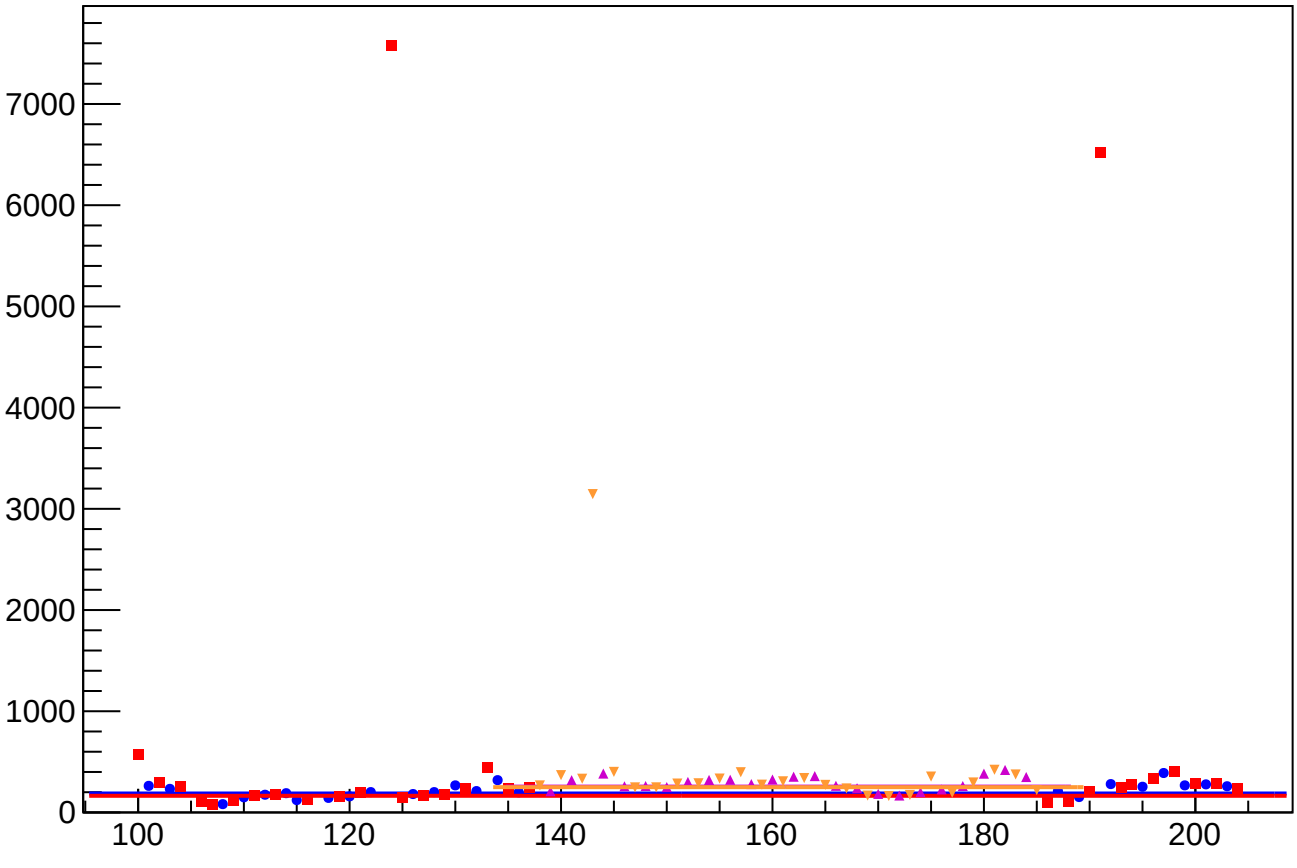
Left: 0.034+/-0.044 χ^2/NDF: 56.9/47

Right: 0.034+/-0.037 χ^2/NDF: 44.3/53

In: 0.088+/-0.042 χ^2/NDF:45.7/46

Out: -0.011+/-0.038 χ^2/NDF:52.4/54

All: 0.034+/-0.028 χ^2/NDF: 101.2/101



Right In: 187.328+/-0.040 χ^2/NDF: 2936263.7/23

Left Out: 249.850+/-0.044 χ^2/NDF:4234600.7/24

Right Out: 164.659+/-0.034 χ^2/NDF: 5272162.6/29

Left In: 255.302+/-0.045 χ^2/NDF:2111585.0/22

Left: 252.515+/-0.031 χ^2/NDF: 6353840.1/47

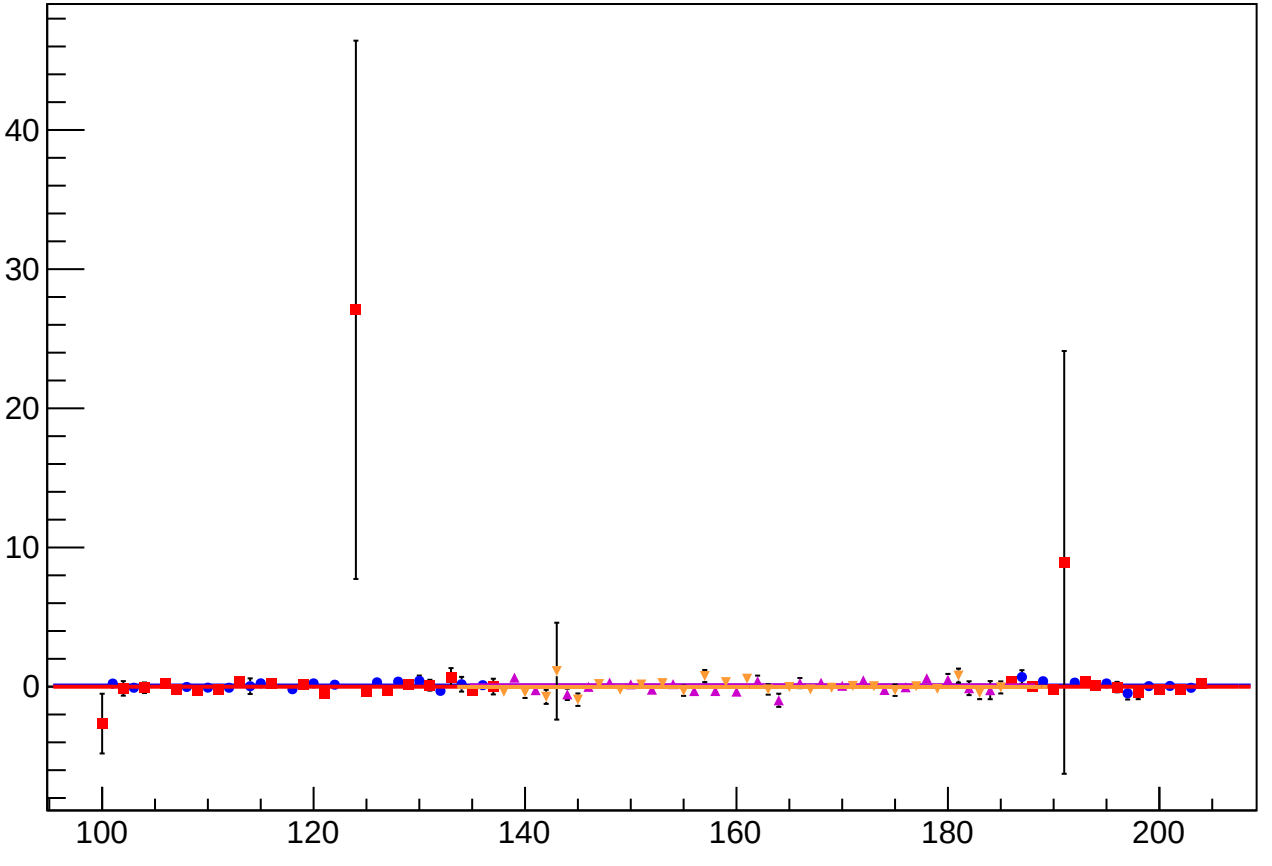
Right: 174.332+/-0.026 χ^2/NDF: 8394937.4/53

In: 217.452+/-0.030 χ^2/NDF:6344205.1/46

Out: 197.238+/-0.027 χ^2/NDF:11867608.1/54

All: 206.379+/-0.020 χ^2/NDF: 18466302.5/10

asym_atl1r2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.082+/-0.056 χ^2/NDF: 14.2/23

Left Out: -0.024+/-0.062 χ^2/NDF:23.5/24

Right Out: -0.003+/-0.048 χ^2/NDF: 28.8/29

Left In: 0.095+/-0.063 χ^2/NDF:31.5/22

Left: 0.034+/-0.044 χ^2/NDF: 56.9/47

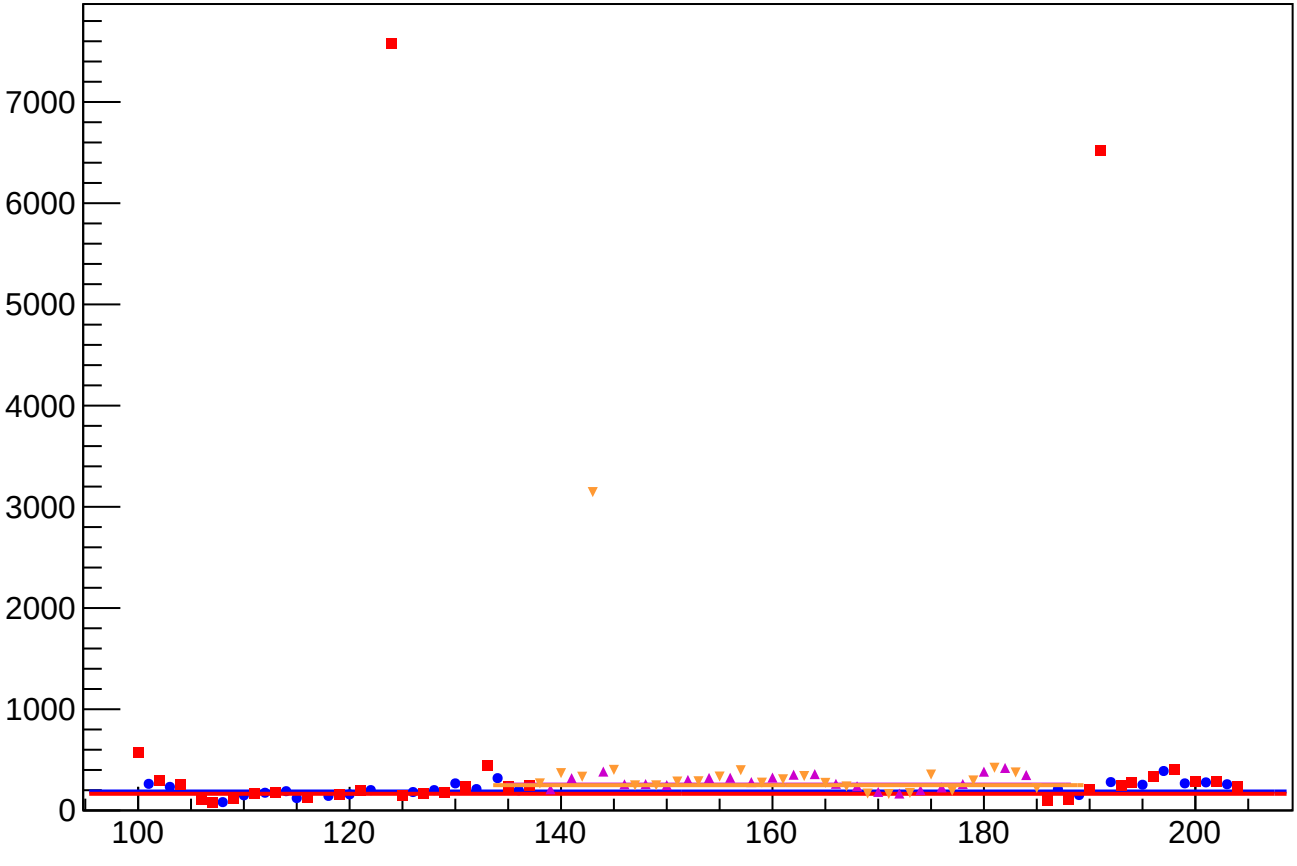
Right: 0.034+/-0.037 χ^2/NDF: 44.3/53

In: 0.088+/-0.042 χ^2/NDF:45.7/46

Out: -0.011+/-0.038 χ^2/NDF:52.4/54

All: 0.034+/-0.028 χ^2/NDF: 101.2/101

asym_atl1r2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 187.328+/-0.040 χ^2/NDF: 2936263.7/23

Left Out: 249.850+/-0.044 χ^2/NDF:4234600.7/24

Right Out: 164.659+/-0.034 χ^2/NDF: 5272162.6/29

Left In: 255.302+/-0.045 χ^2/NDF:2111585.0/22

Left: 252.515+/-0.031 χ^2/NDF: 6353840.1/47

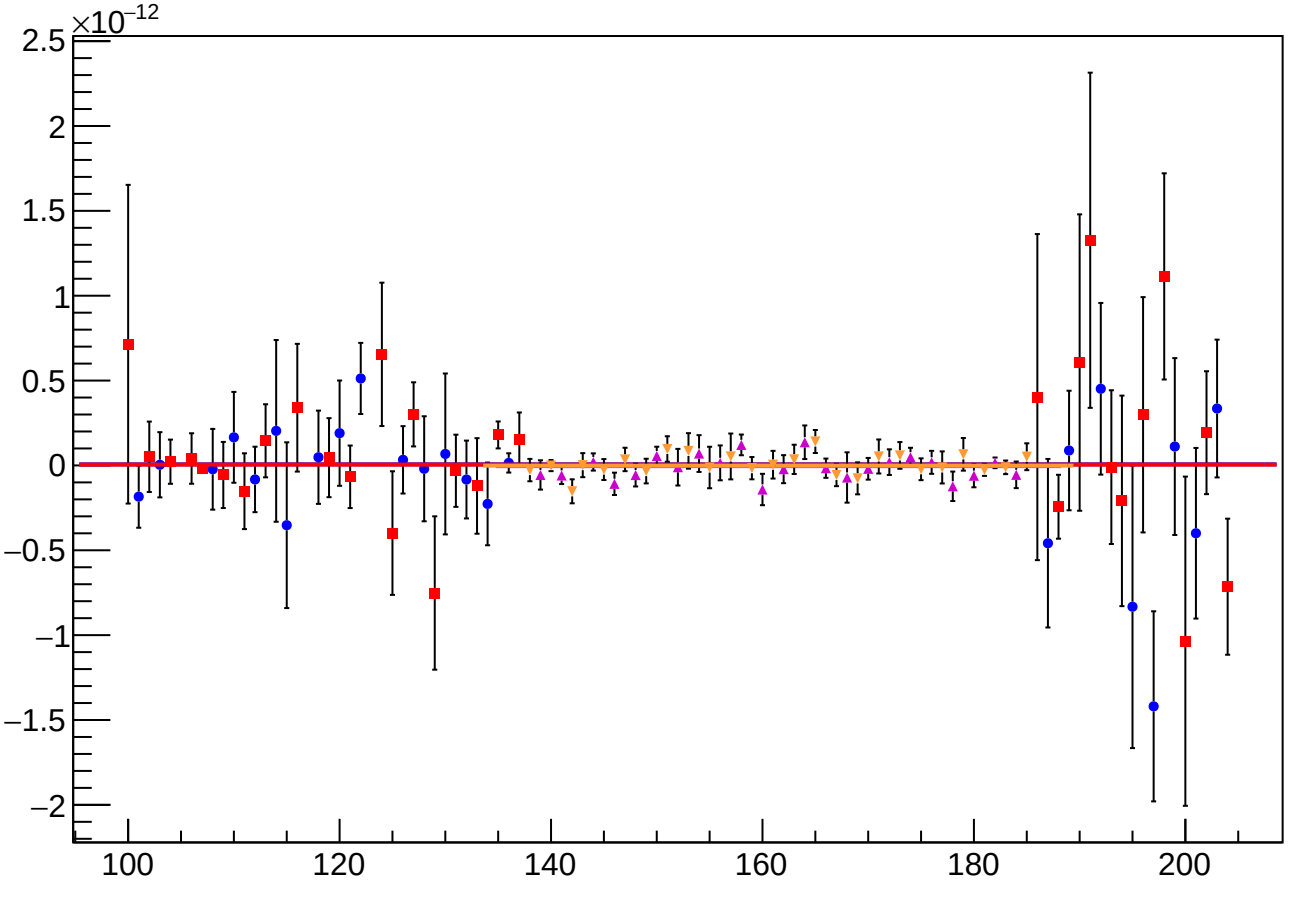
Right: 174.332+/-0.026 χ^2/NDF: 8394937.4/53

In: 217.452+/-0.030 χ^2/NDF:6344205.1/46

Out: 197.238+/-0.027 χ^2/NDF:11867608.1/54

All: 206.379+/-0.020 χ^2/NDF: 18466302.5/10

asym_atl1r2_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 20.2/23

Left Out: -0.000+/-0.000 χ^2/NDF:16.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 30.8/29

Left In: -0.000+/-0.000 χ^2/NDF:19.9/22

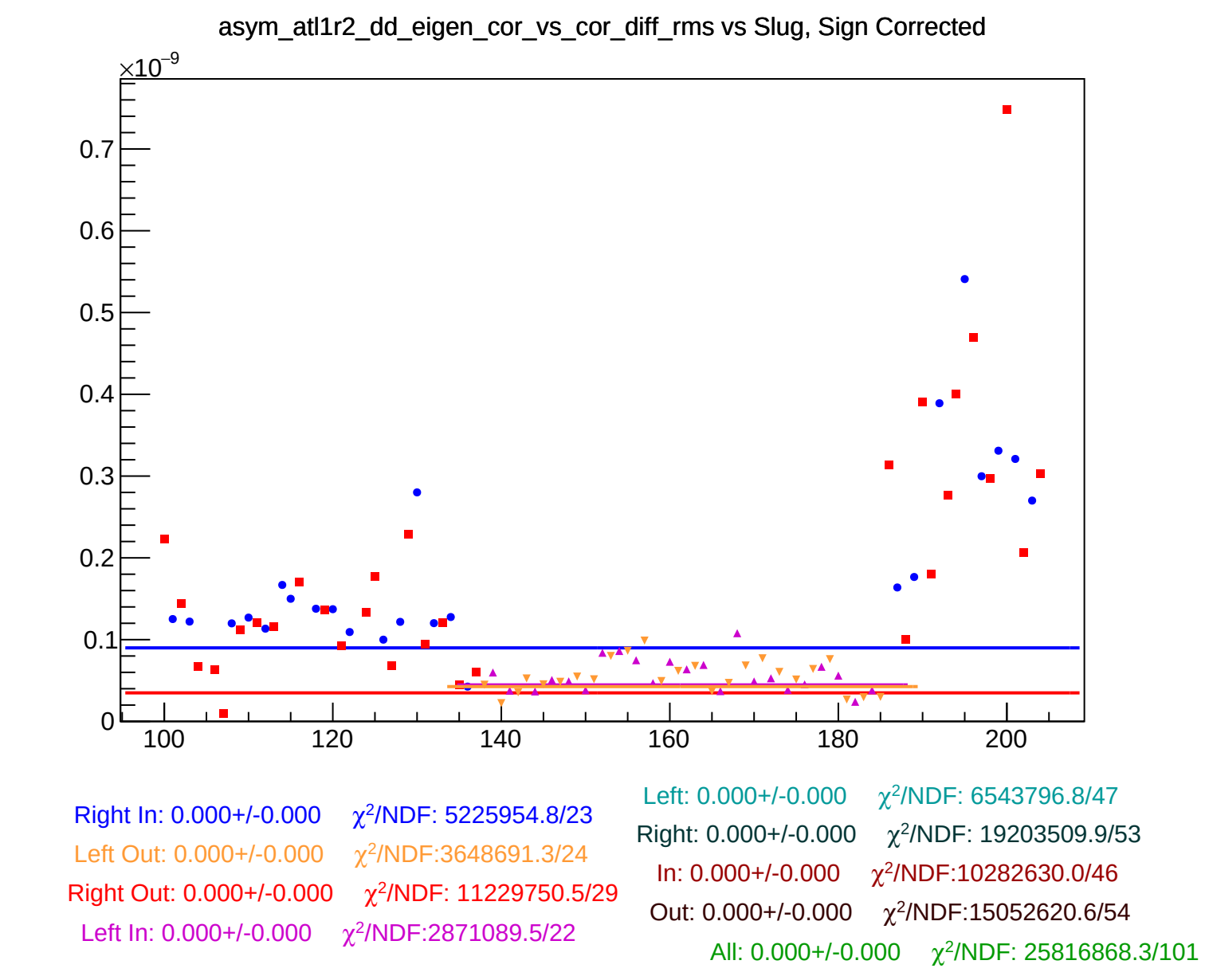
Left: -0.000+/-0.000 χ^2/NDF: 36.2/47

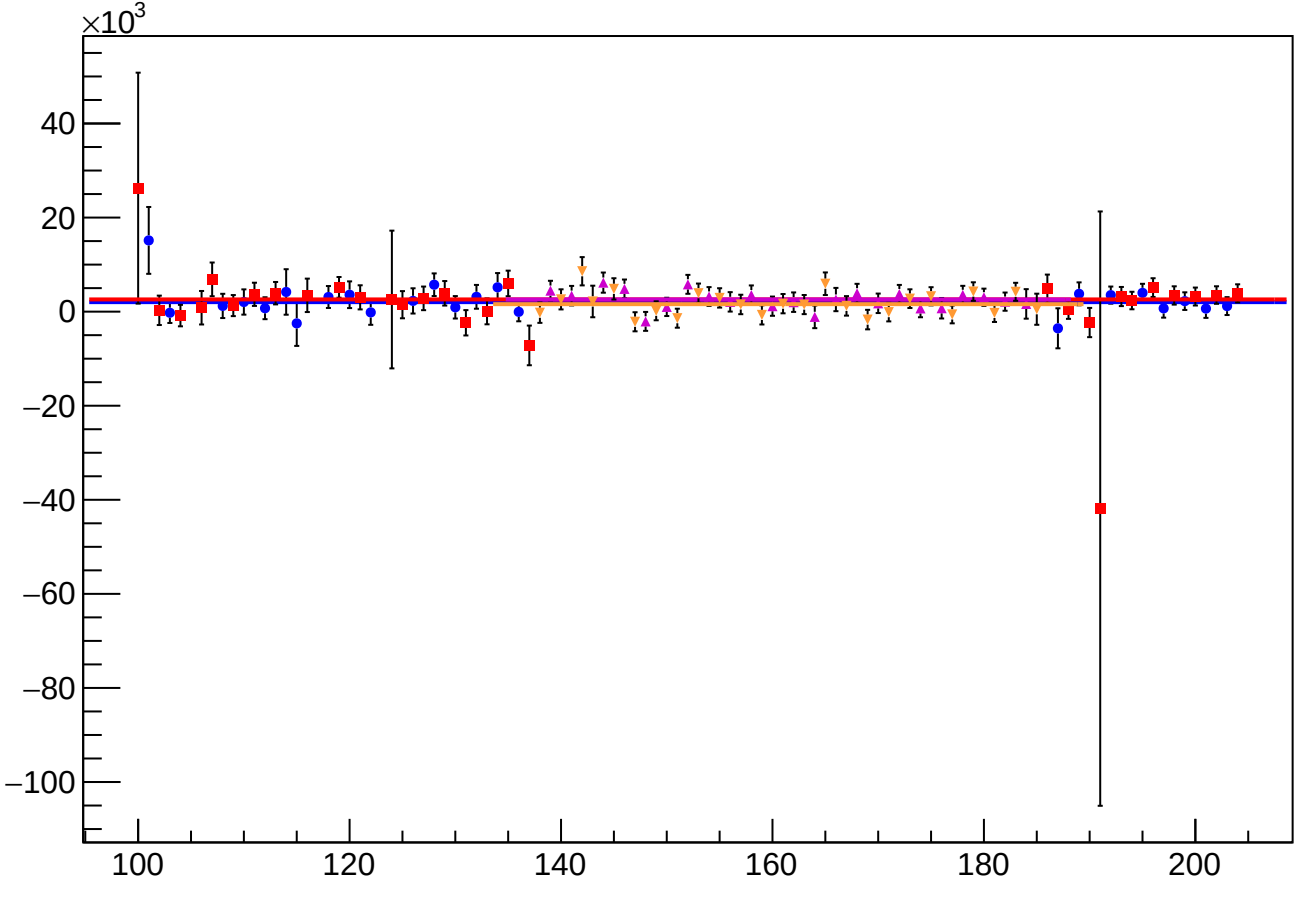
Right: 0.000+/-0.000 χ^2/NDF: 51.0/53

In: -0.000+/-0.000 χ^2/NDF:40.1/46

Out: 0.000+/-0.000 χ^2/NDF:47.3/54

All: -0.000+/-0.000 χ^2/NDF: 87.4/101


asym_atl1r2_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 5225954.8/23
Left Out: 0.000+/-0.000 χ²/NDF:3648691.3/24
Right Out: 0.000+/-0.000 χ²/NDF: 11229750.5/29
Left In: 0.000+/-0.000 χ²/NDF:2871089.5/22
Left: 0.000+/-0.000 χ²/NDF: 6543796.8/47
Right: 0.000+/-0.000 χ²/NDF: 19203509.9/53
In: 0.000+/-0.000 χ²/NDF:10282630.0/46
Out: 0.000+/-0.000 χ²/NDF:15052620.6/54
All: 0.000+/-0.000 χ²/NDF: 25816868.3/101



Right In: 2023.781+/-493.053 χ^2/NDF: 17.2/23

Left Out: 1592.464+/-423.298 χ^2/NDF:31.3/24

Right Out: 2598.249+/-462.266 χ^2/NDF: 26.8/29

Left In: 2597.740+/-430.293 χ^2/NDF:20.1/22

Left: 2086.864+/-301.760 χ^2/NDF: 54.1/47

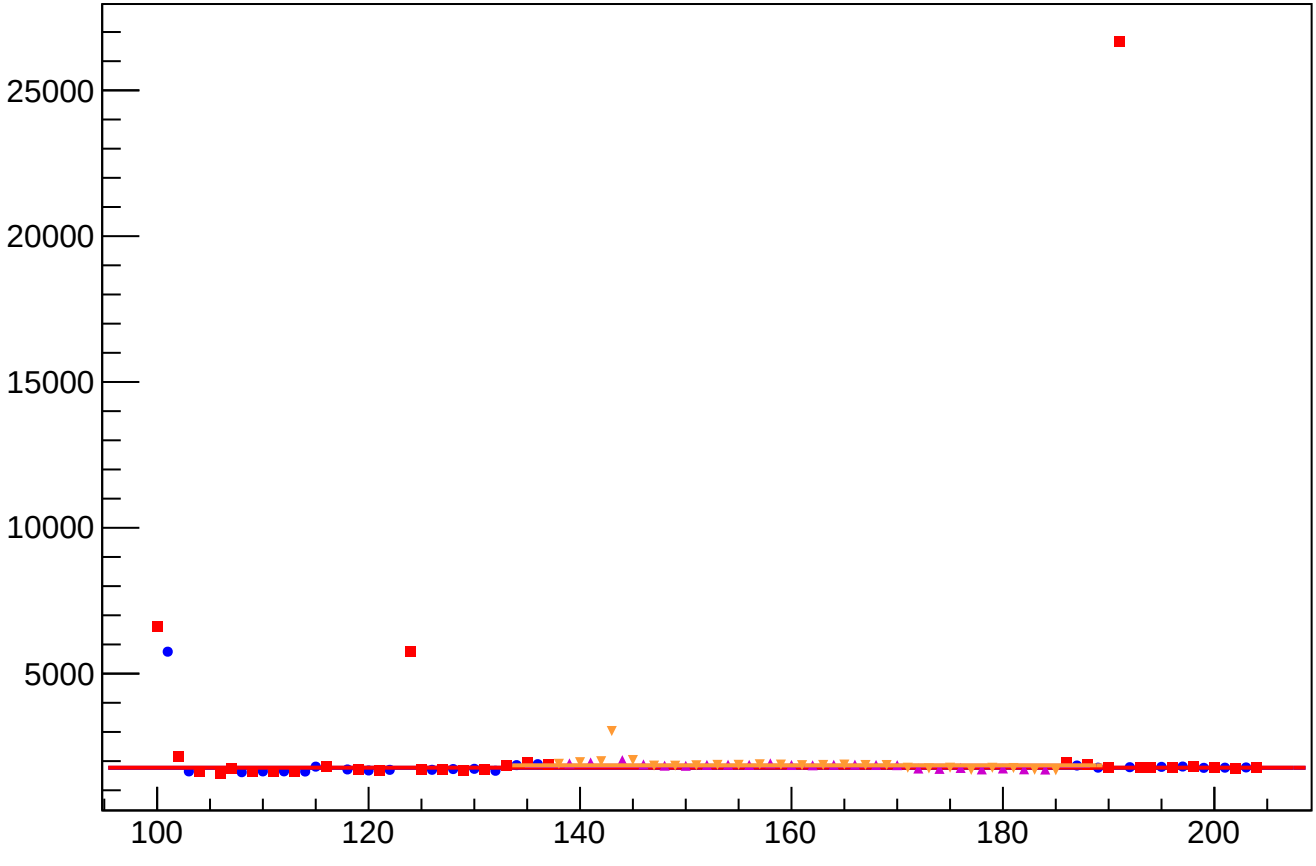
Right: 2329.509+/-337.231 χ^2/NDF: 44.8/53

In: 2349.593+/-324.196 χ^2/NDF:38.1/46

Out: 2051.184+/-312.186 χ^2/NDF:60.6/54

All: 2194.759+/-224.875 χ^2/NDF: 99.2/101

reg_asym_atr1l2_avg_rms vs Slug, Sign Corrected



Right In: 1768.954+/-0.349 χ^2/NDF: 674838.9/23

Left Out: 1855.560+/-0.299 χ^2/NDF:324267.7/24

Right Out: 1775.422+/-0.326 χ^2/NDF: 639547.7/29

Left In: 1840.981+/-0.304 χ^2/NDF:70985.8/22

Left: 1848.390+/-0.213 χ^2/NDF: 396420.2/47

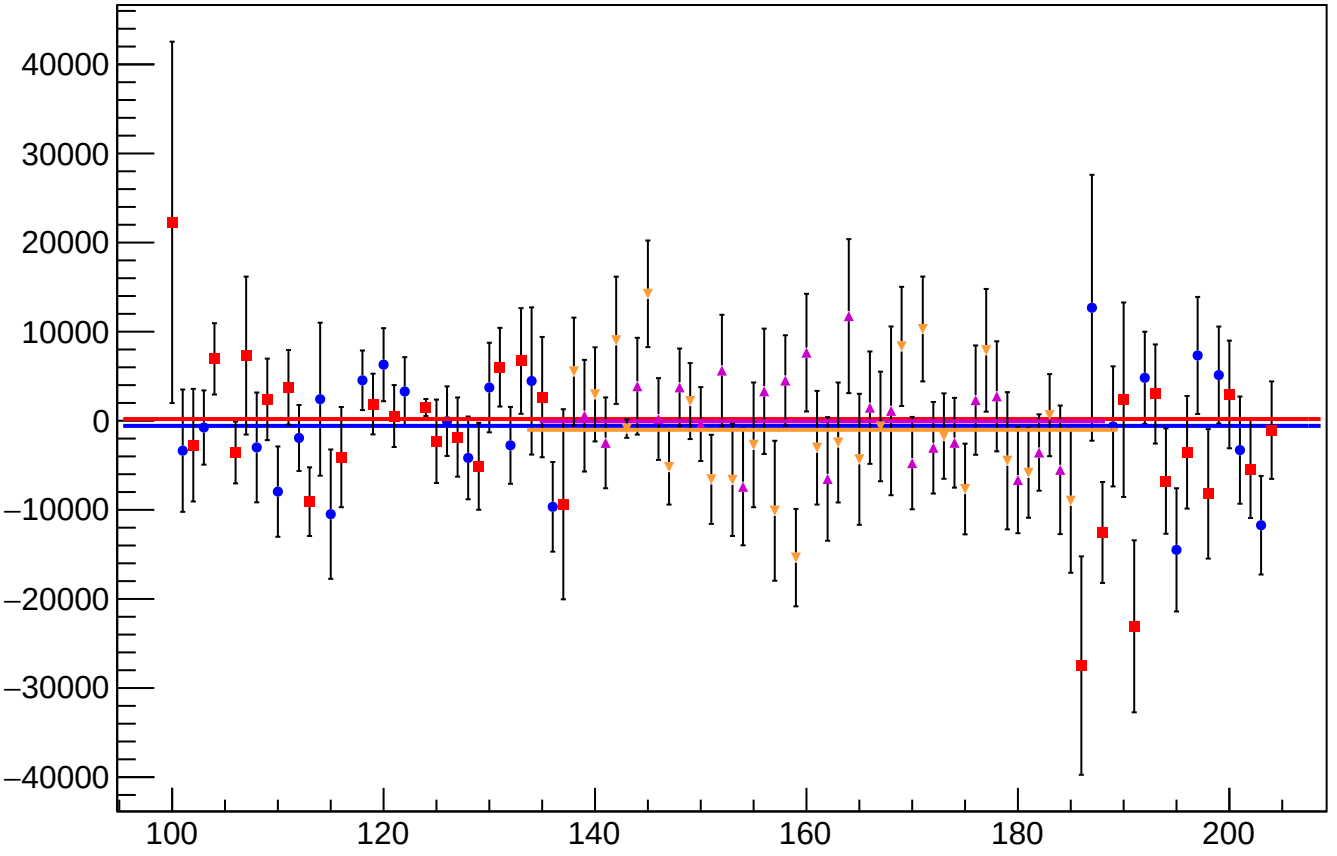
Right: 1772.408+/-0.238 χ^2/NDF: 1314570.4/53

In: 1809.841+/-0.229 χ^2/NDF:770052.9/46

Out: 1818.864+/-0.220 χ^2/NDF:996638.6/54

All: 1814.530+/-0.159 χ^2/NDF: 1767496.7/10

asym_atr1l2_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -575.286+/-1038.681 χ^2/NDF: 28.7/23

Left Out: -1018.861+/-771.816 χ^2/NDF:33.7/24

Right Out: 194.529+/-681.310 χ^2/NDF: 41.6/29

Left In: -62.369+/-1173.429 χ^2/NDF:13.0/22

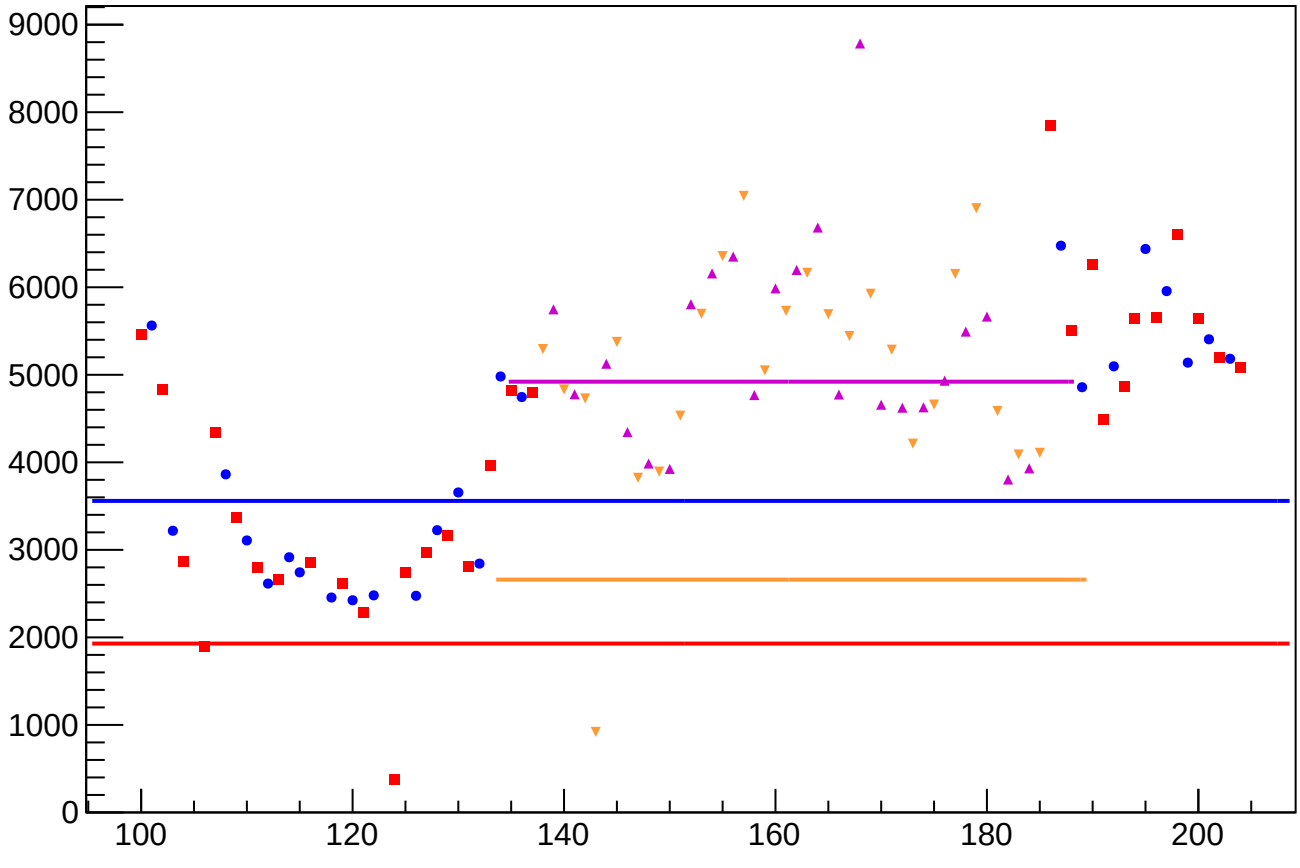
Left: -730.018+/-644.833 χ^2/NDF: 47.2/47

Right: -37.049+/-569.689 χ^2/NDF: 70.7/53

In: -349.956+/-777.756 χ^2/NDF:41.8/46

Out: -336.884+/-510.775 χ^2/NDF:76.8/54

All: -340.823+/-426.938 χ^2/NDF: 118.6/101



Right In: 3559.171+/-0.734 χ^2/NDF: 2758044.6/23

Left Out: 2660.009+/-0.546 χ^2/NDF:14536074.6/24

Right Out: 1929.377+/-0.482 χ^2/NDF: 14383027.4/29

Left In: 4921.319+/-0.830 χ^2/NDF:1251123.1/22

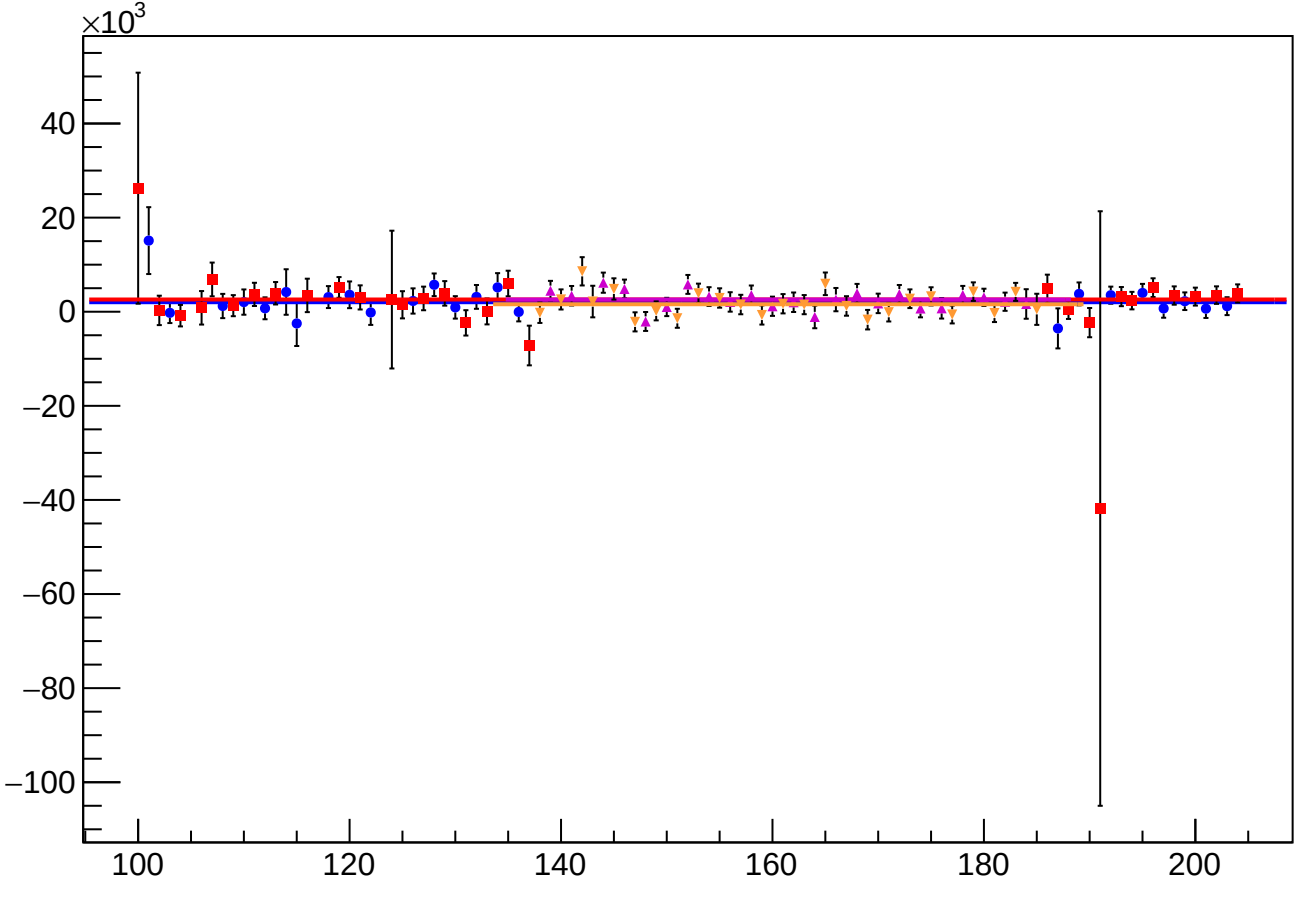
Left: 3342.883+/-0.456 χ^2/NDF: 20971649.5/47

Right: 2419.657+/-0.403 χ^2/NDF: 20583915.7/53

In: 4157.578+/-0.550 χ^2/NDF:5520243.8/46

Out: 2249.363+/-0.361 χ^2/NDF:29926426.8/54

All: 2824.367+/-0.302 χ^2/NDF: 43858097.8/1



Right In: 2023.611+/-493.053 χ^2/NDF: 17.2/23

Left Out: 1592.431+/-423.298 χ^2/NDF:31.3/24

Right Out: 2598.257+/-462.266 χ^2/NDF: 26.8/29

Left In: 2597.812+/-430.293 χ^2/NDF:20.1/22

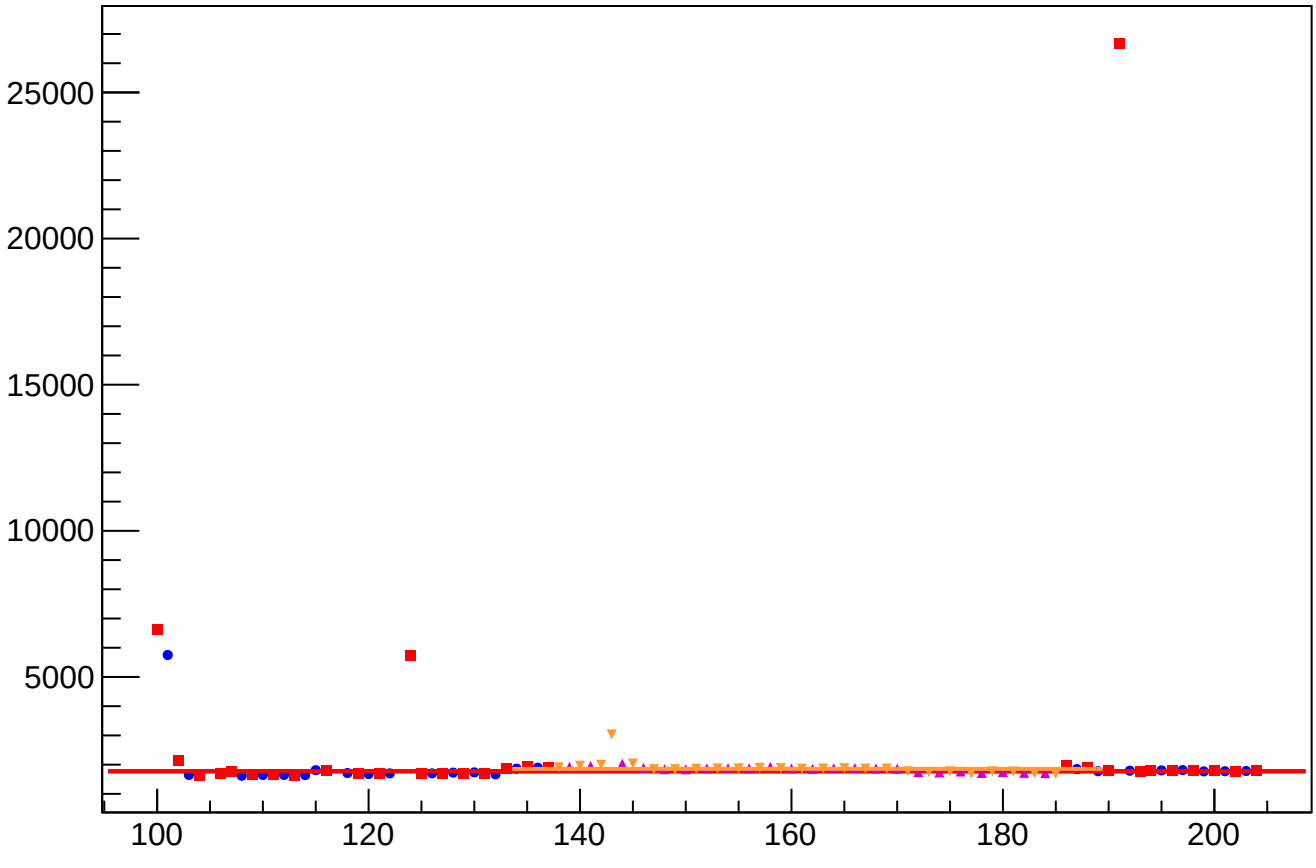
Left: 2086.883+/-301.760 χ^2/NDF: 54.1/47

Right: 2329.434+/-337.231 χ^2/NDF: 44.7/53

In: 2349.560+/-324.196 χ^2/NDF:38.1/46

Out: 2051.170+/-312.186 χ^2/NDF:60.6/54

All: 2194.736+/-224.875 χ^2/NDF: 99.1/101



Right In: 1768.954+/-0.349 χ^2/NDF: 674839.2/23

Left Out: 1855.560+/-0.299 χ^2/NDF:324267.7/24

Right Out: 1778.901+/-0.326 χ^2/NDF: 630702.8/29

Left In: 1840.981+/-0.304 χ^2/NDF:70985.8/22

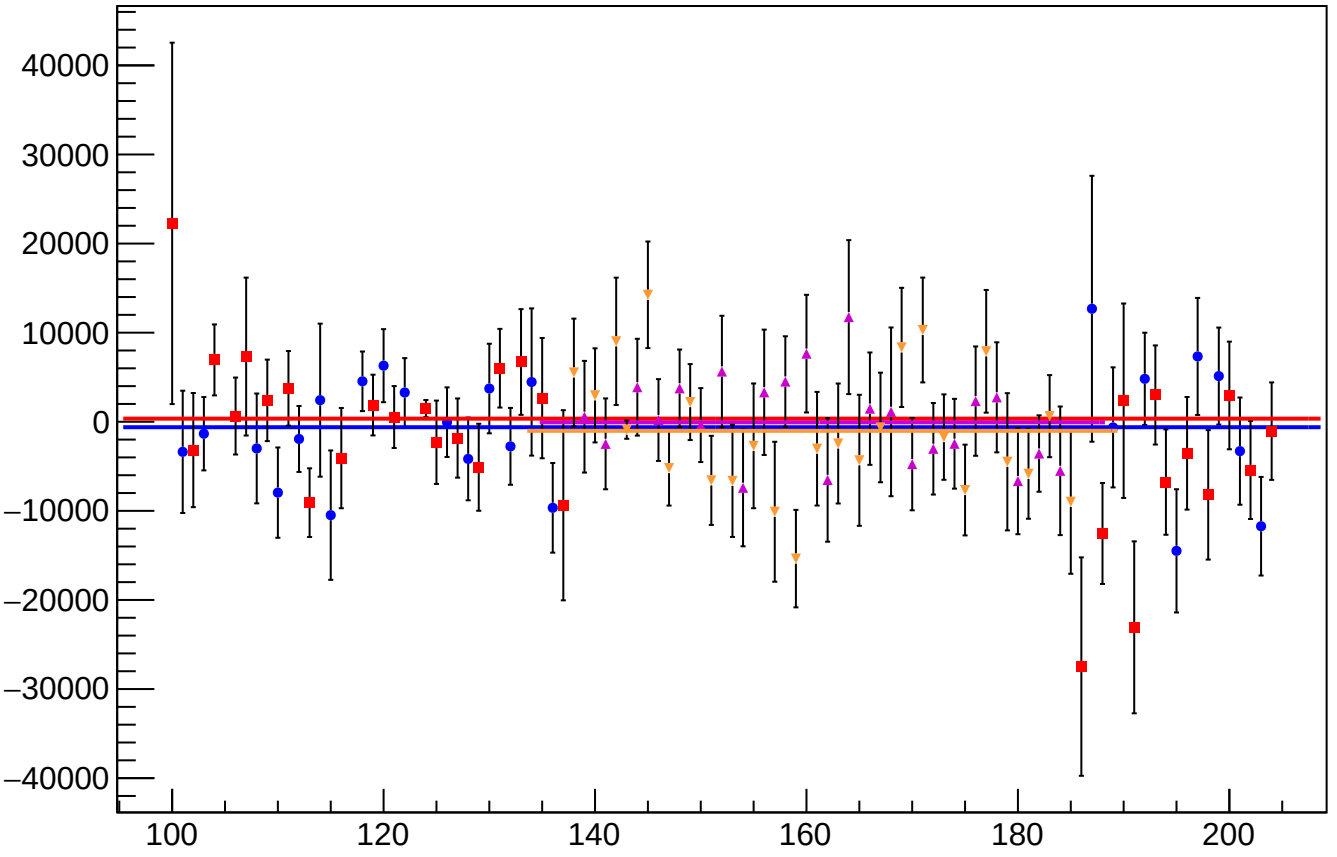
Left: 1848.390+/-0.213 χ^2/NDF: 396420.2/47

Right: 1774.257+/-0.238 χ^2/NDF: 1305975.9/53

In: 1809.841+/-0.229 χ^2/NDF:770053.2/46

Out: 1820.526+/-0.221 χ^2/NDF:984947.2/54

All: 1815.389+/-0.159 χ^2/NDF: 1756128.7/10



Right In: -613.151+/-1037.845 χ^2/NDF: 28.7/23

Left Out: -1018.712+/-771.798 χ^2/NDF:33.7/24

Right Out: 350.769+/-686.037 χ^2/NDF: 40.5/29

Left In: -62.286+/-1173.429 χ^2/NDF:13.0/22

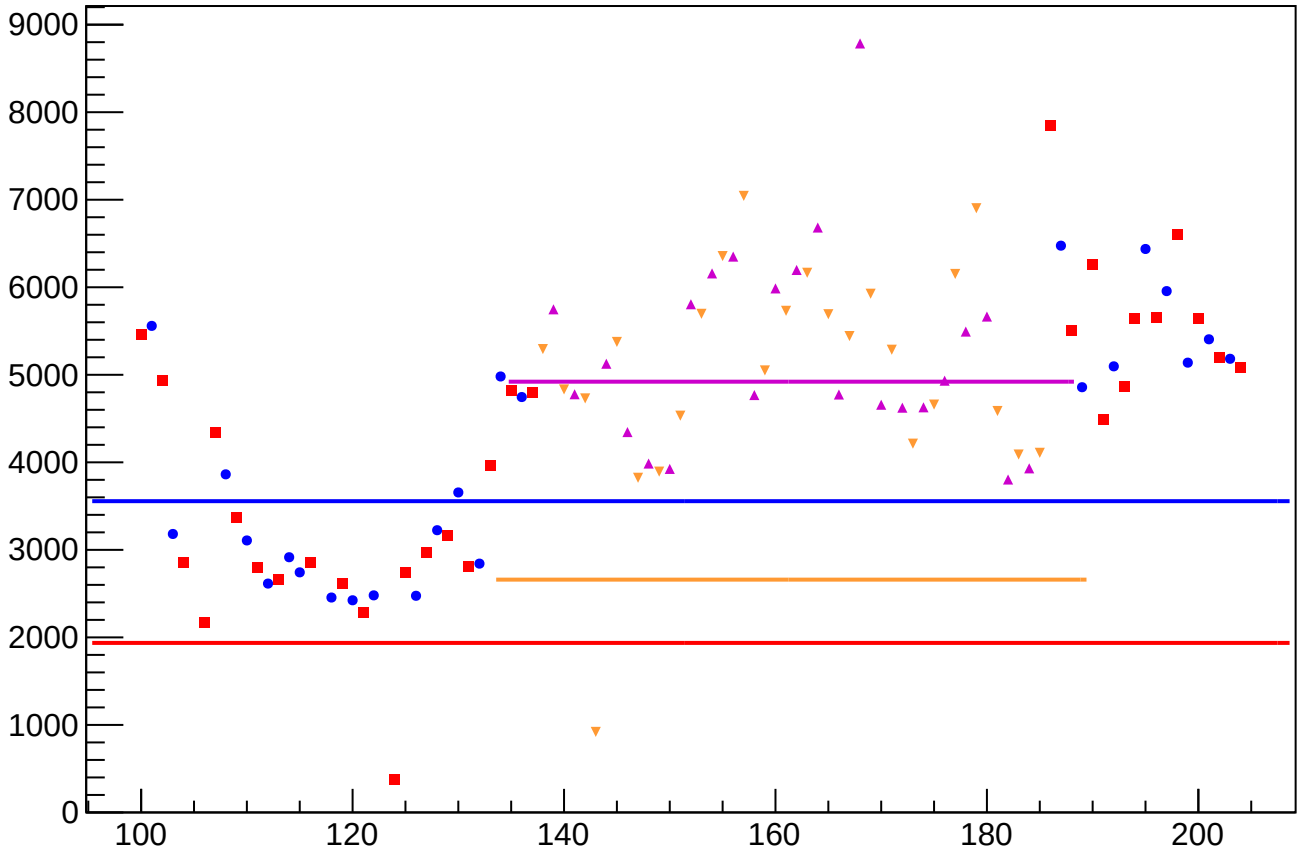
Left: -729.898+/-644.823 χ^2/NDF: 47.2/47

Right: 57.659+/-572.304 χ^2/NDF: 69.8/53

In: -371.368+/-777.404 χ^2/NDF:41.9/46

Out: -253.685+/-512.752 χ^2/NDF:76.0/54

All: -289.361+/-428.033 χ^2/NDF: 117.9/101



Right In: 3556.272+/-0.734 χ^2/NDF: 2761053.2/23

Left Out: 2659.907+/-0.546 χ^2/NDF:14536813.3/24

Right Out: 1936.951+/-0.485 χ^2/NDF: 14404355.1/29

Left In: 4921.316+/-0.830 χ^2/NDF:1251131.6/22

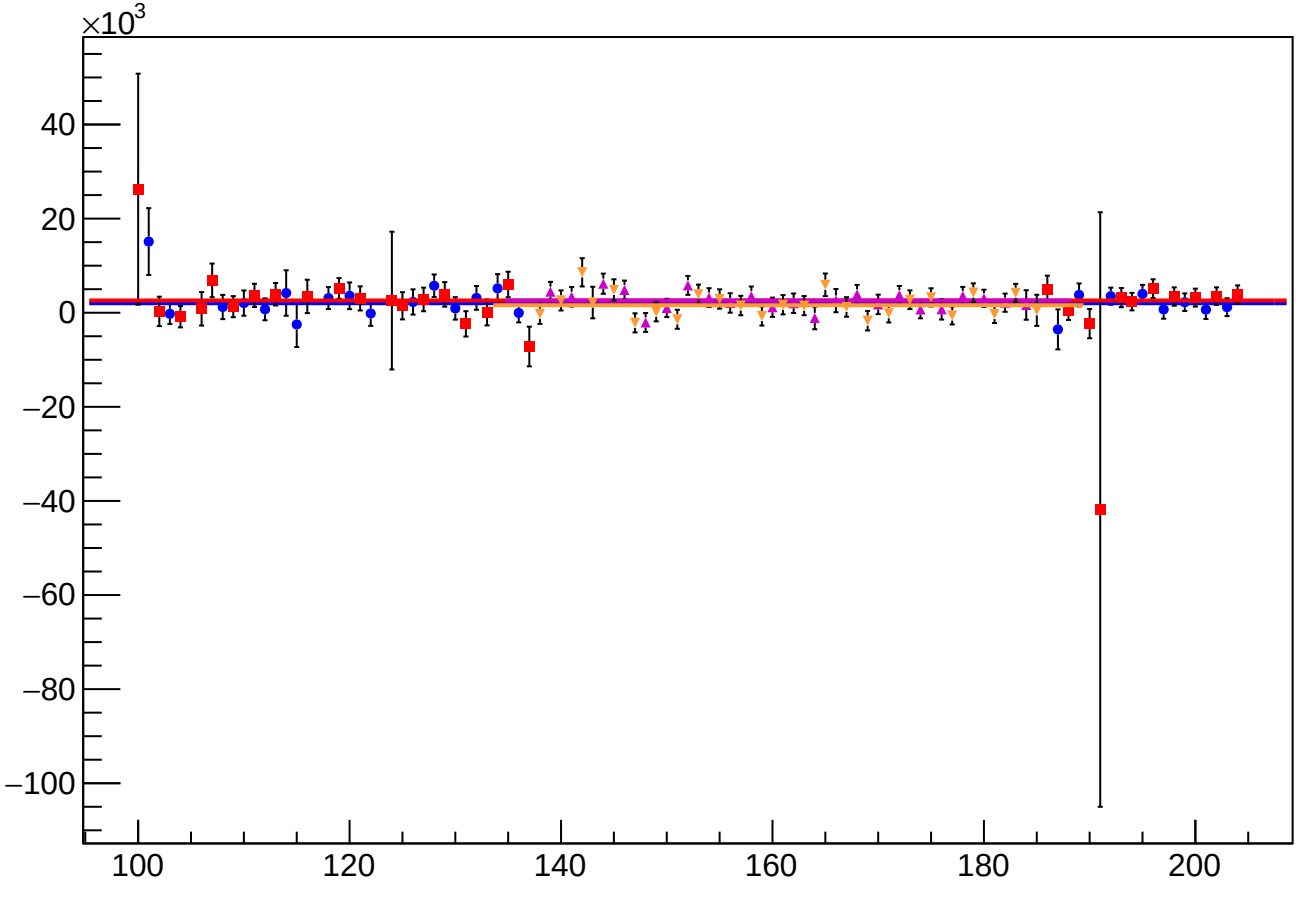
Left: 3342.790+/-0.456 χ^2/NDF: 20972927.8/47

Right: 2429.356+/-0.405 χ^2/NDF: 20553771.8/53

In: 4155.410+/-0.550 χ^2/NDF:5530766.4/46

Out: 2256.046+/-0.363 χ^2/NDF:29921483.8/54

All: 2831.841+/-0.303 χ^2/NDF: 43771633.9/1



Right In: 2023.611+/-493.053 χ^2/NDF: 17.2/23

Left Out: 1592.431+/-423.298 χ^2/NDF:31.3/24

Right Out: 2598.257+/-462.266 χ^2/NDF: 26.8/29

Left In: 2597.812+/-430.293 χ^2/NDF:20.1/22

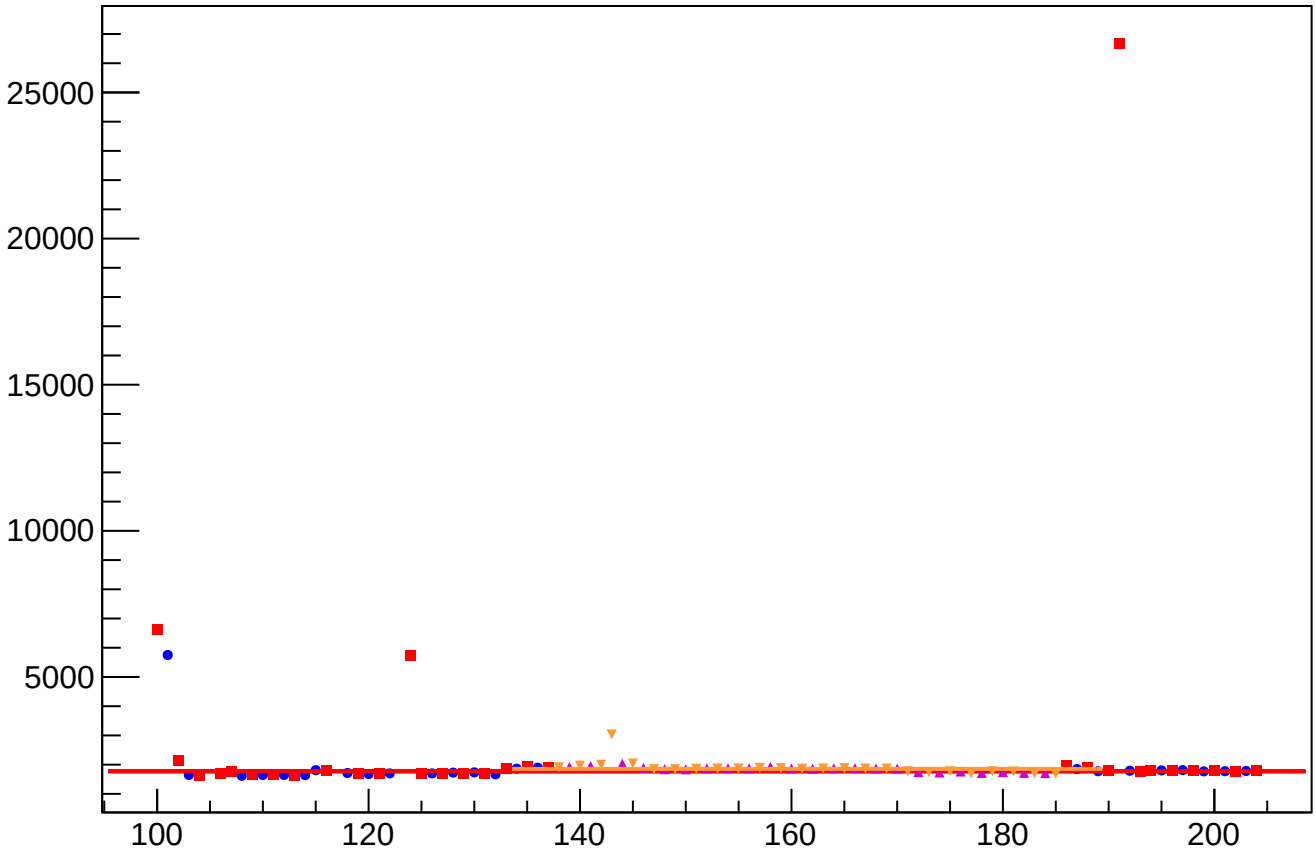
Left: 2086.883+/-301.760 χ^2/NDF: 54.1/47

Right: 2329.434+/-337.231 χ^2/NDF: 44.7/53

In: 2349.560+/-324.196 χ^2/NDF:38.1/46

Out: 2051.170+/-312.186 χ^2/NDF:60.6/54

All: 2194.736+/-224.875 χ^2/NDF: 99.1/101



Right In: 1768.954+/-0.349 χ^2/NDF: 674839.2/23

Left Out: 1855.560+/-0.299 χ^2/NDF:324267.7/24

Right Out: 1778.901+/-0.326 χ^2/NDF: 630702.8/29

Left In: 1840.981+/-0.304 χ^2/NDF:70985.8/22

Left: 1848.390+/-0.213 χ^2/NDF: 396420.2/47

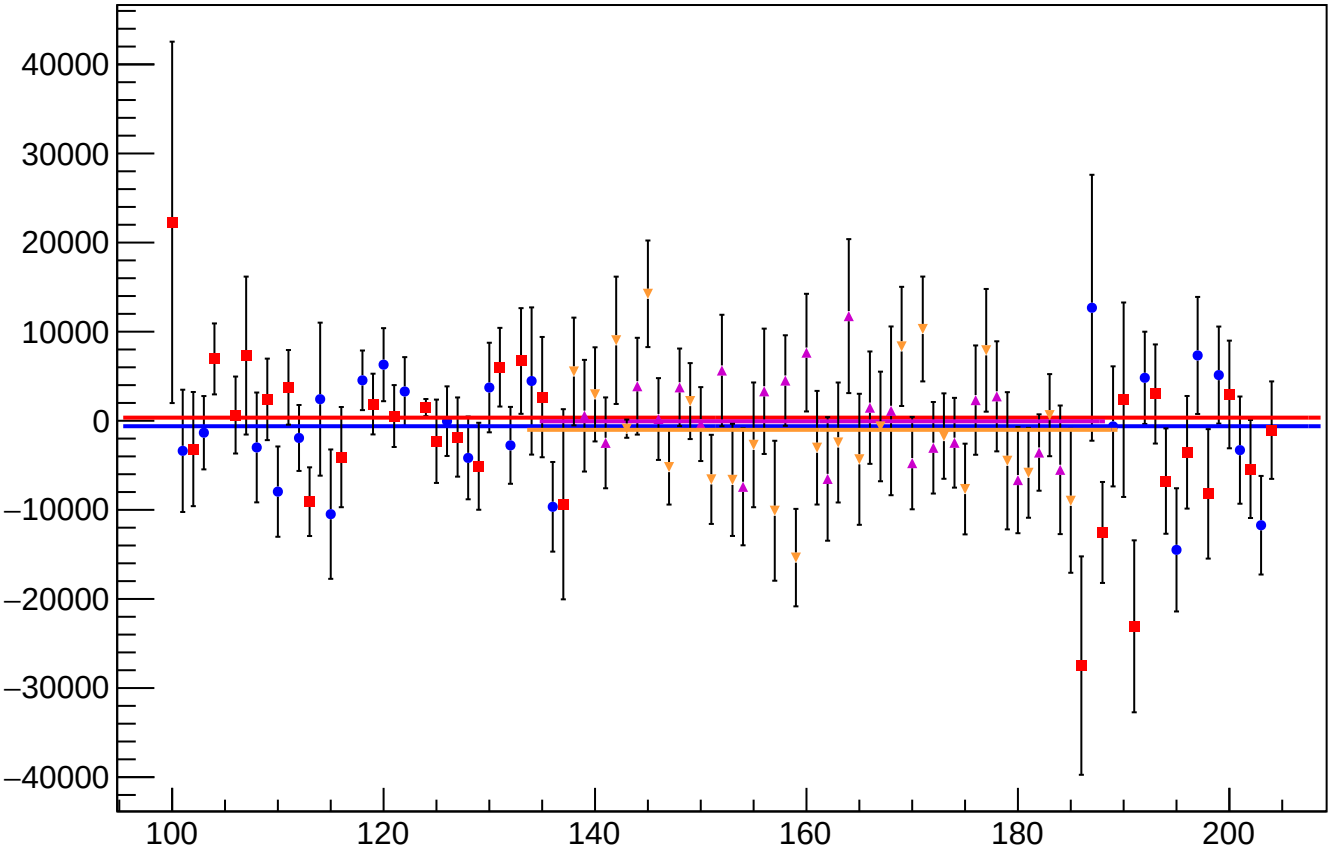
Right: 1774.257+/-0.238 χ^2/NDF: 1305975.9/53

In: 1809.841+/-0.229 χ^2/NDF:770053.2/46

Out: 1820.526+/-0.221 χ^2/NDF:984947.2/54

All: 1815.389+/-0.159 χ^2/NDF: 1756128.7/10

asym_atr1l2_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -613.151+/-1037.845 χ^2/NDF: 28.7/23

Left Out: -1018.712+/-771.798 χ^2/NDF:33.7/24

Right Out: 350.769+/-686.037 χ^2/NDF: 40.5/29

Left In: -62.286+/-1173.429 χ^2/NDF:13.0/22

Left: -729.898+/-644.823 χ^2/NDF: 47.2/47

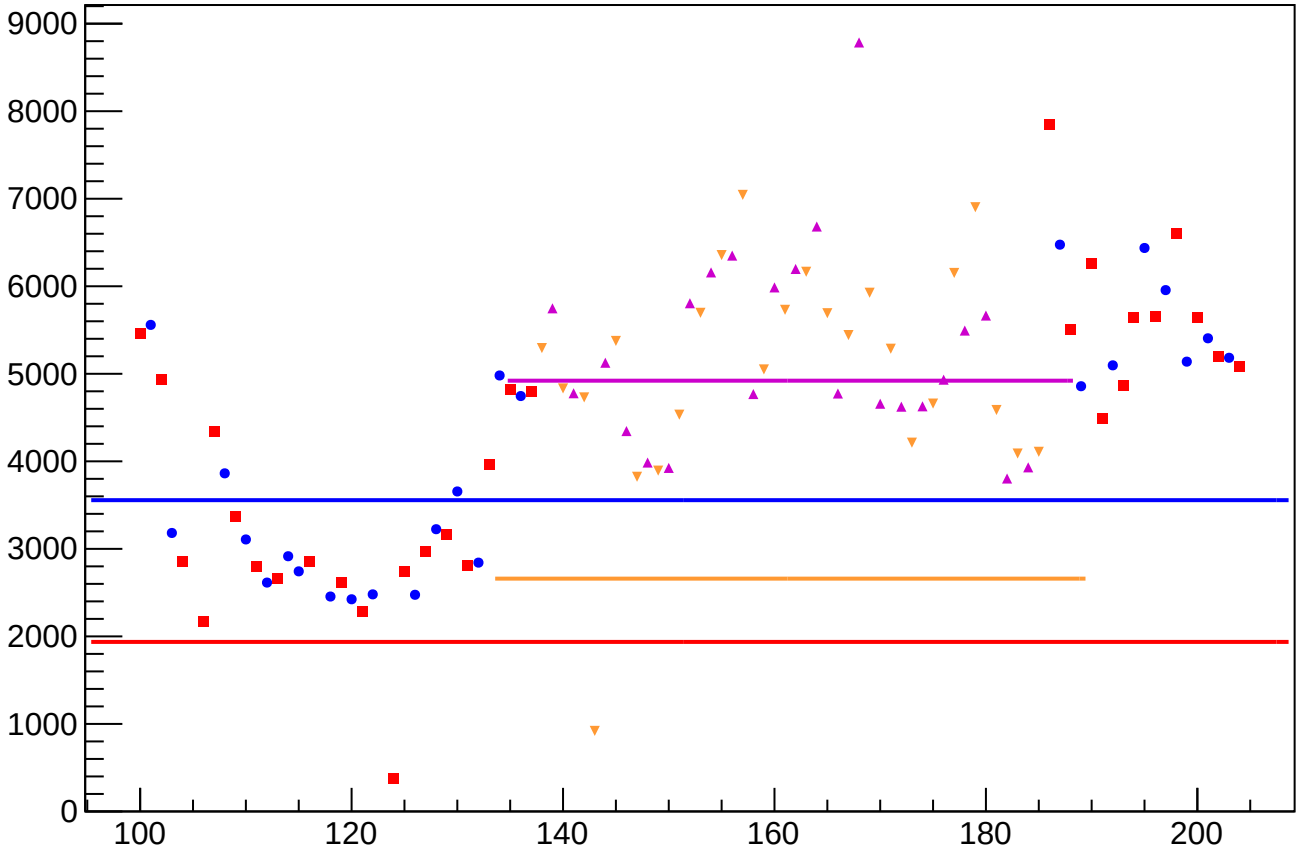
Right: 57.659+/-572.304 χ^2/NDF: 69.8/53

In: -371.368+/-777.404 χ^2/NDF:41.9/46

Out: -253.685+/-512.752 χ^2/NDF:76.0/54

All: -289.361+/-428.033 χ^2/NDF: 117.9/101

asym_atr1l2_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 3556.272+/-0.734 χ^2/NDF: 2761053.2/23

Left Out: 2659.907+/-0.546 χ^2/NDF:14536813.3/24

Right Out: 1936.951+/-0.485 χ^2/NDF: 14404355.1/29

Left In: 4921.316+/-0.830 χ^2/NDF:1251131.6/22

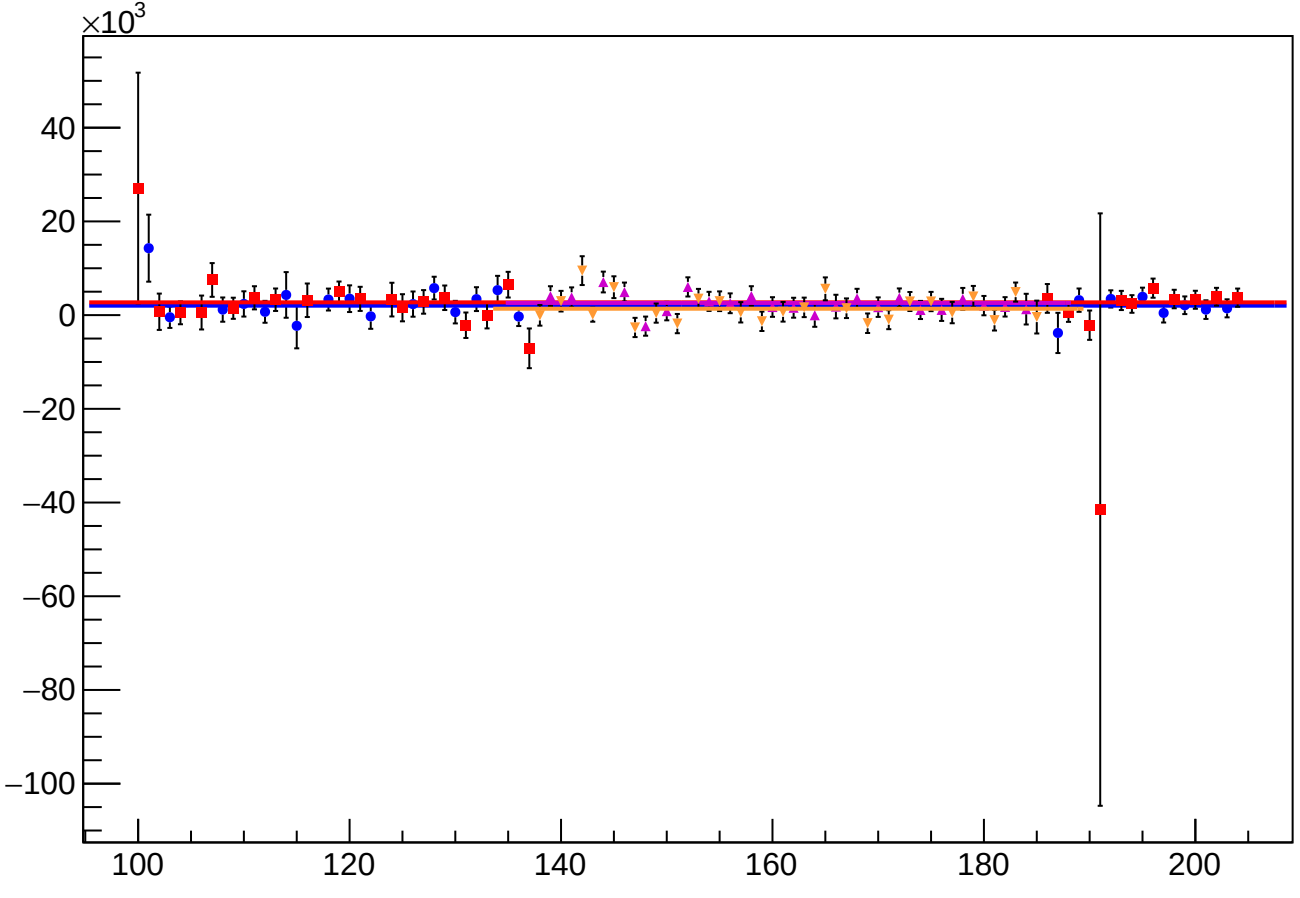
Left: 3342.790+/-0.456 χ^2/NDF: 20972927.8/47

Right: 2429.356+/-0.405 χ^2/NDF: 20553771.8/53

In: 4155.410+/-0.550 χ^2/NDF:5530766.4/46

Out: 2256.046+/-0.363 χ^2/NDF:29921483.8/54

All: 2831.841+/-0.303 χ^2/NDF: 43771633.9/1



Right In: 2014.708+/-498.886 χ^2/NDF: 16.9/23

Left Out: 1363.887+/-427.332 χ^2/NDF:36.1/24

Right Out: 2724.686+/-465.503 χ^2/NDF: 25.1/29

Left In: 2602.835+/-446.741 χ^2/NDF:20.0/22

Left: 1955.864+/-308.803 χ^2/NDF: 60.2/47

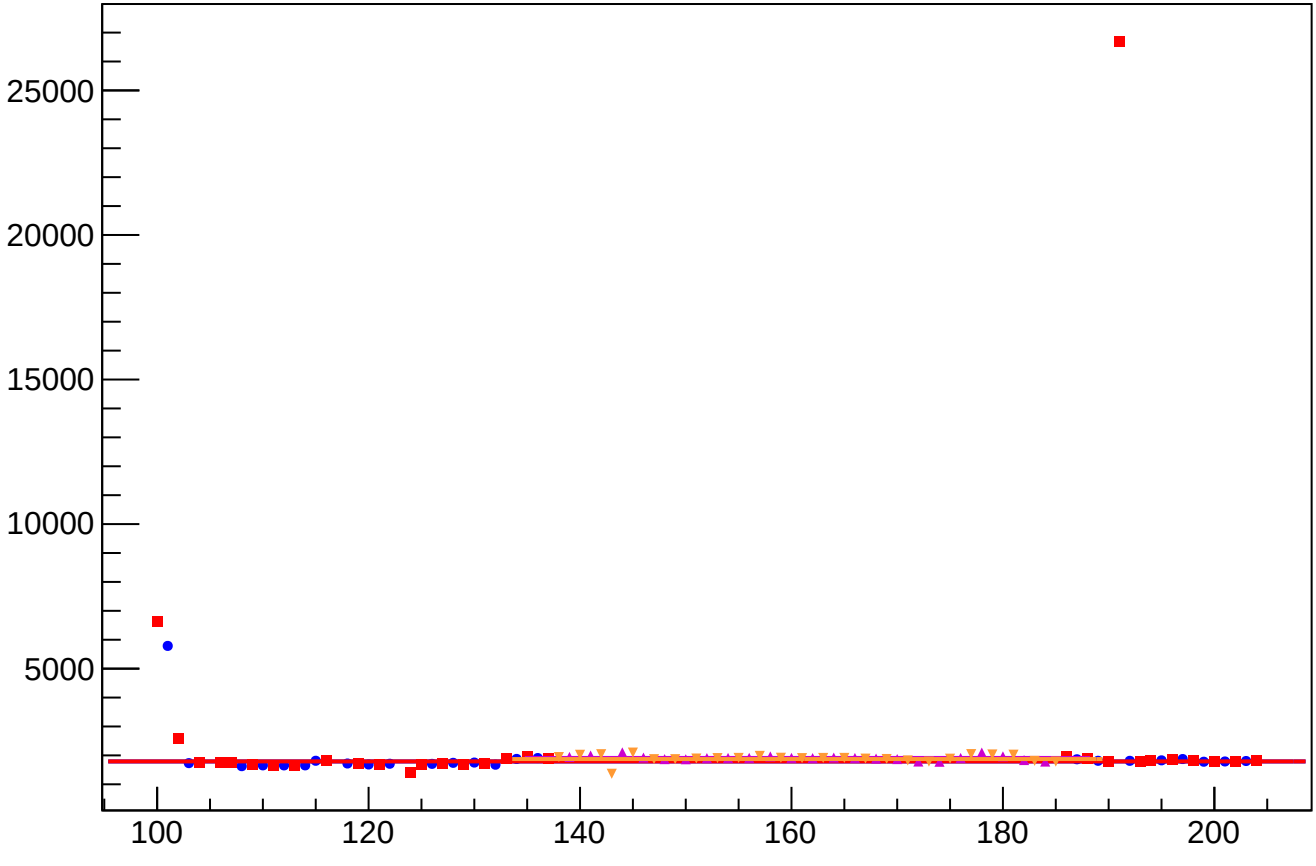
Right: 2394.244+/-340.351 χ^2/NDF: 43.1/53

In: 2341.105+/-332.808 χ^2/NDF:37.7/46

Out: 1986.215+/-314.801 χ^2/NDF:65.8/54

All: 2153.800+/-228.699 χ^2/NDF: 104.1/101

dit_asym_atr1l2_avg_rms vs Slug, Sign Corrected



Right In: 1789.685+/-0.353 χ^2/NDF: 674803.6/23

Left Out: 1873.177+/-0.302 χ^2/NDF:309733.7/24

Right Out: 1792.123+/-0.329 χ^2/NDF: 555137.0/29

Left In: 1911.423+/-0.316 χ^2/NDF:59139.8/22

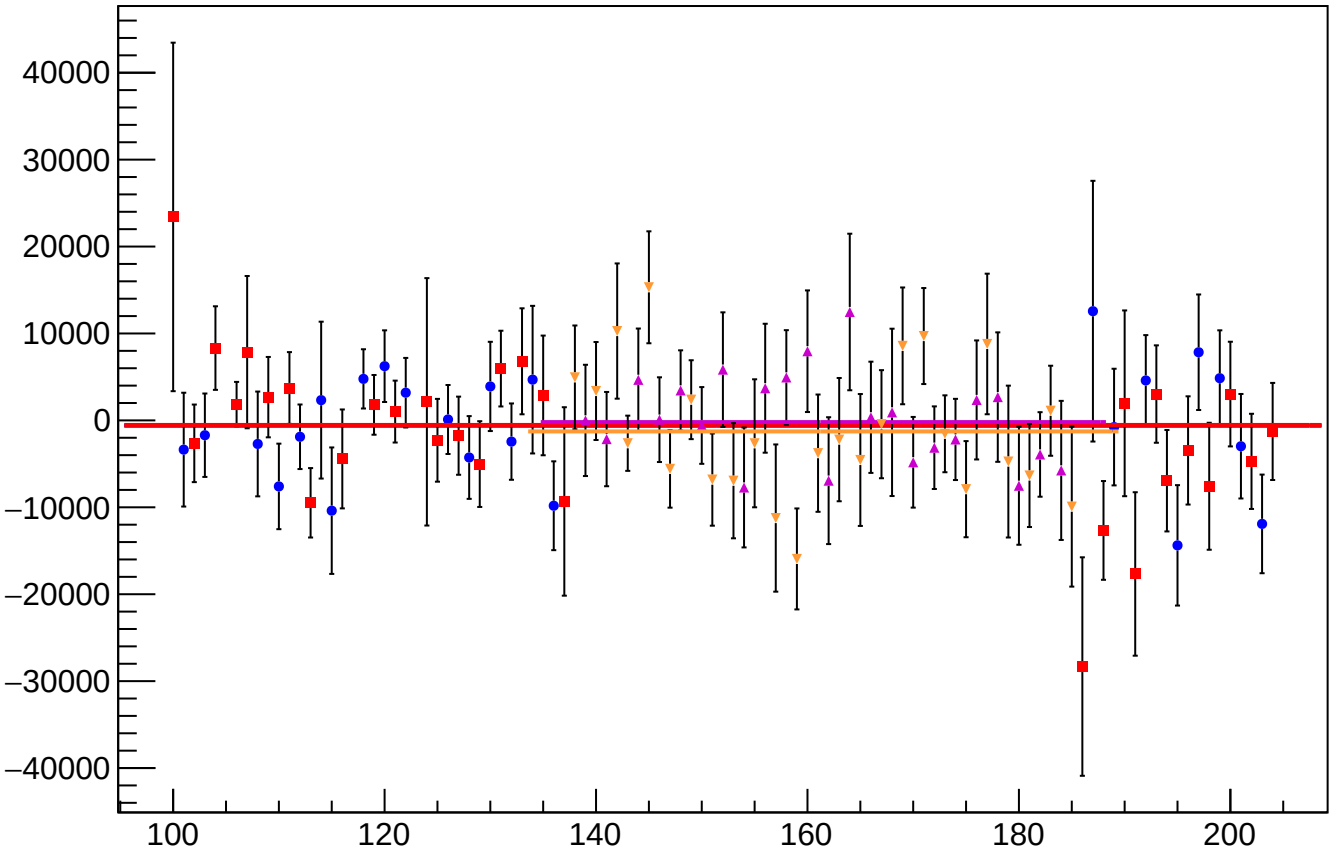
Left: 1891.452+/-0.218 χ^2/NDF: 376528.1/47

Right: 1790.990+/-0.240 χ^2/NDF: 1229966.2/53

In: 1857.247+/-0.235 χ^2/NDF:800036.6/46

Out: 1836.055+/-0.222 χ^2/NDF:897824.6/54

All: 1846.056+/-0.162 χ^2/NDF: 1702143.5/10



Right In: -610.559+/-1057.169 χ^2/NDF: 28.2/23

Left Out: -1269.760+/-1156.132 χ^2/NDF:33.4/24

Right Out: -524.197+/-940.533 χ^2/NDF: 36.7/29

Left In: -196.917+/-1234.538 χ^2/NDF:12.7/22

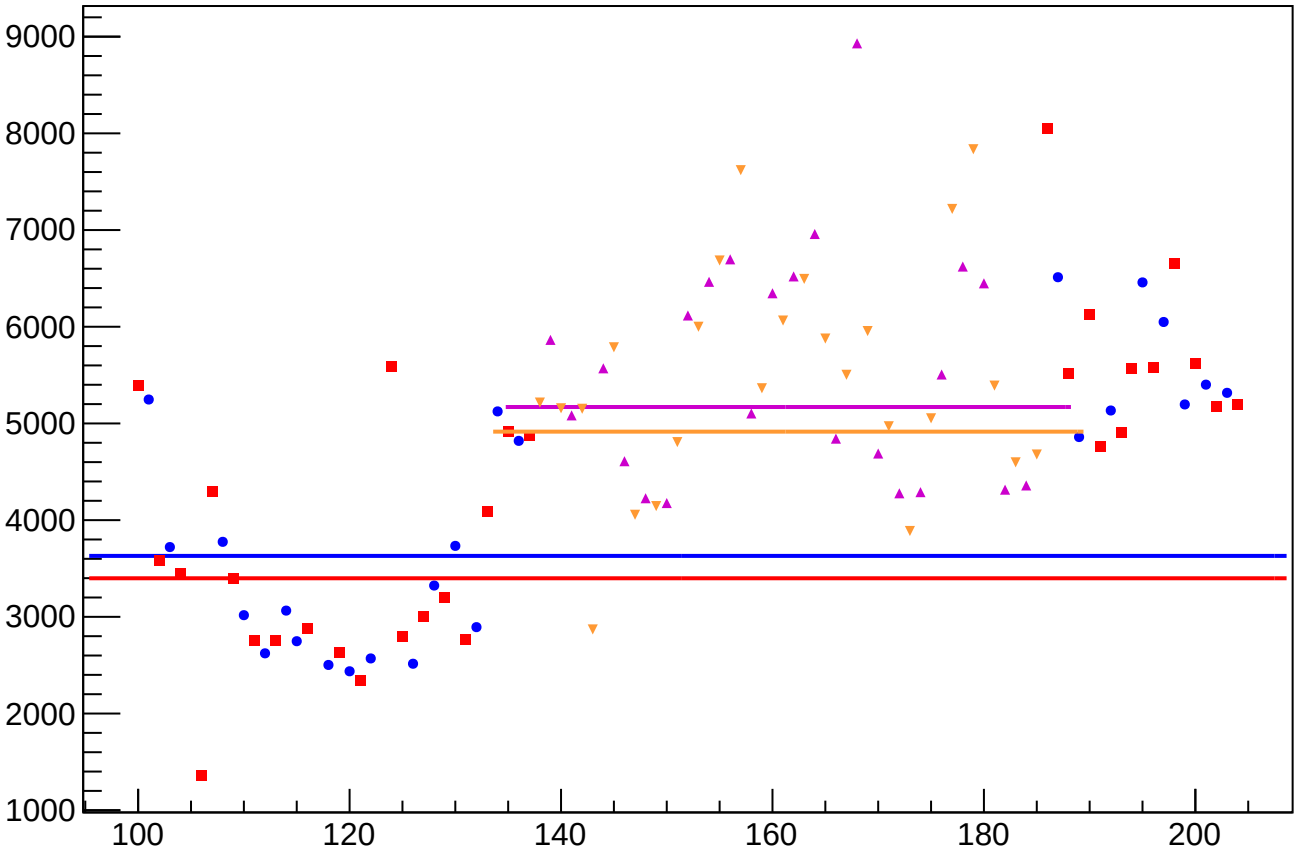
Left: -768.486+/-843.867 χ^2/NDF: 46.5/47

Right: -562.353+/-702.690 χ^2/NDF: 64.9/53

In: -435.561+/-802.986 χ^2/NDF:41.0/46

Out: -821.115+/-729.597 χ^2/NDF:70.4/54

All: -646.758+/-539.989 χ^2/NDF: 111.5/101



Right In: 3630.264+/-0.748 χ^2/NDF: 2677431.2/23

Left Out: 4915.244+/-0.818 χ^2/NDF:2166229.1/24

Right Out: 3398.862+/-0.665 χ^2/NDF: 4495865.1/29

Left In: 5170.028+/-0.873 χ^2/NDF:1348711.3/22

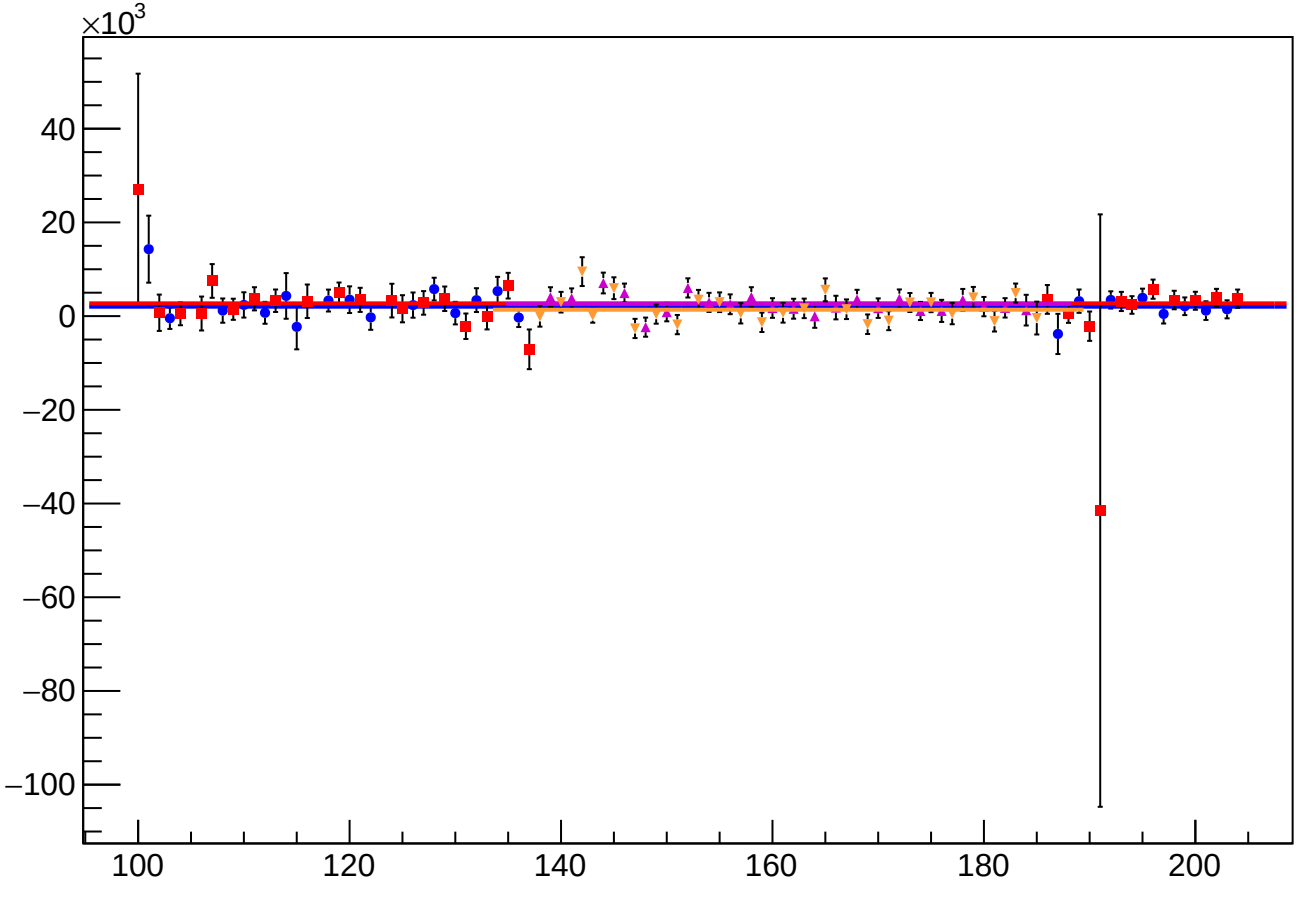
Left: 5034.289+/-0.597 χ^2/NDF: 3560323.8/47

Right: 3501.098+/-0.497 χ^2/NDF: 7226784.2/53

In: 4281.684+/-0.568 χ^2/NDF:5821107.8/46

Out: 4002.756+/-0.516 χ^2/NDF:8732480.4/54

All: 4128.894+/-0.382 χ^2/NDF: 14685779.2/1



Right In: 2014.705+/-498.886 χ^2/NDF: 16.9/23

Left Out: 1363.884+/-427.333 χ^2/NDF:36.1/24

Right Out: 2724.686+/-465.503 χ^2/NDF: 25.1/29

Left In: 2602.834+/-446.742 χ^2/NDF:20.0/22

Left: 1955.861+/-308.803 χ^2/NDF: 60.2/47

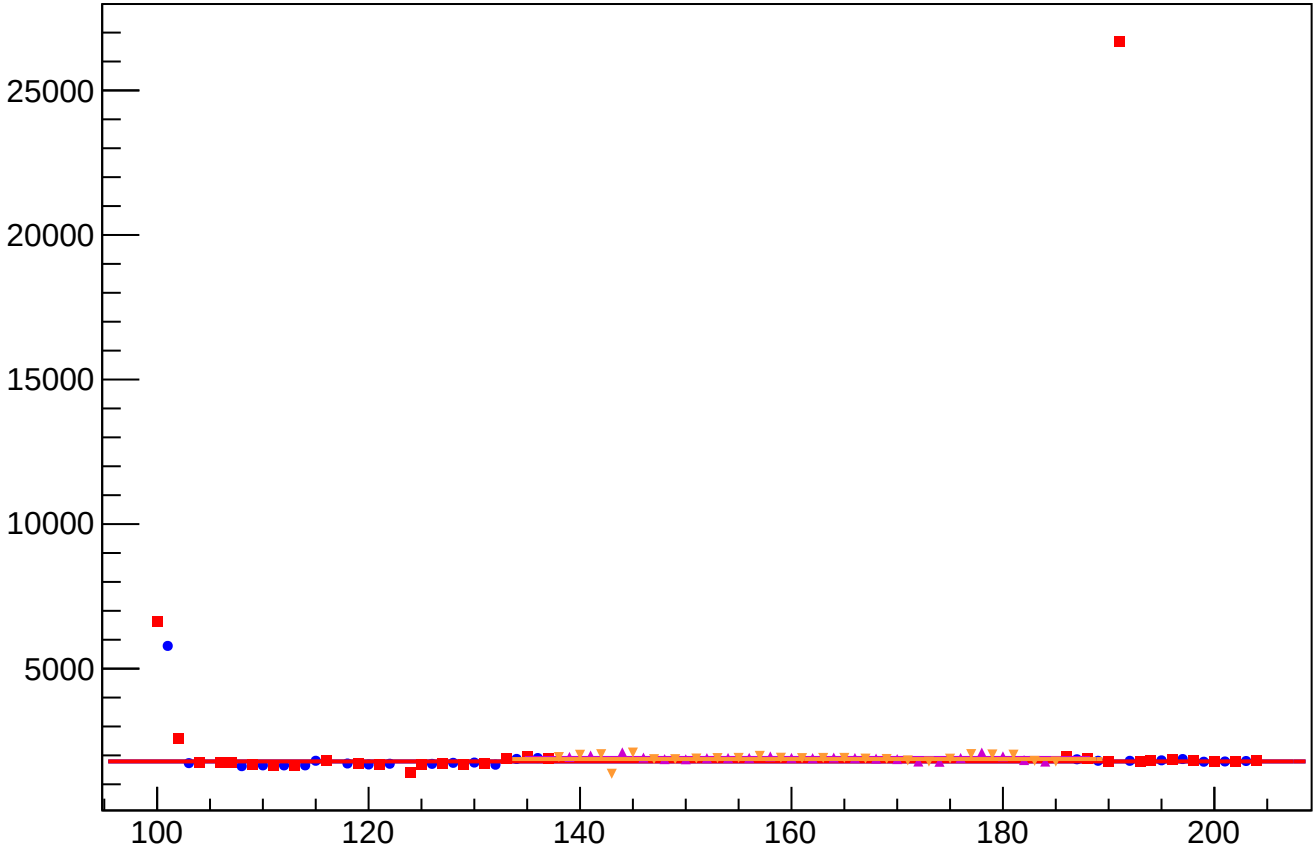
Right: 2394.243+/-340.351 χ^2/NDF: 43.1/53

In: 2341.102+/-332.808 χ^2/NDF:37.7/46

Out: 1986.214+/-314.801 χ^2/NDF:65.8/54

All: 2153.798+/-228.699 χ^2/NDF: 104.1/101

eigen_dit_asym_atr1l2_avg_rms vs Slug, Sign Corrected



Right In: 1789.685+/-0.353 χ^2/NDF: 674803.7/23

Left Out: 1873.178+/-0.302 χ^2/NDF:309737.2/24

Right Out: 1792.123+/-0.329 χ^2/NDF: 555137.0/29

Left In: 1911.425+/-0.316 χ^2/NDF:59142.0/22

Left: 1891.453+/-0.218 χ^2/NDF: 376533.8/47

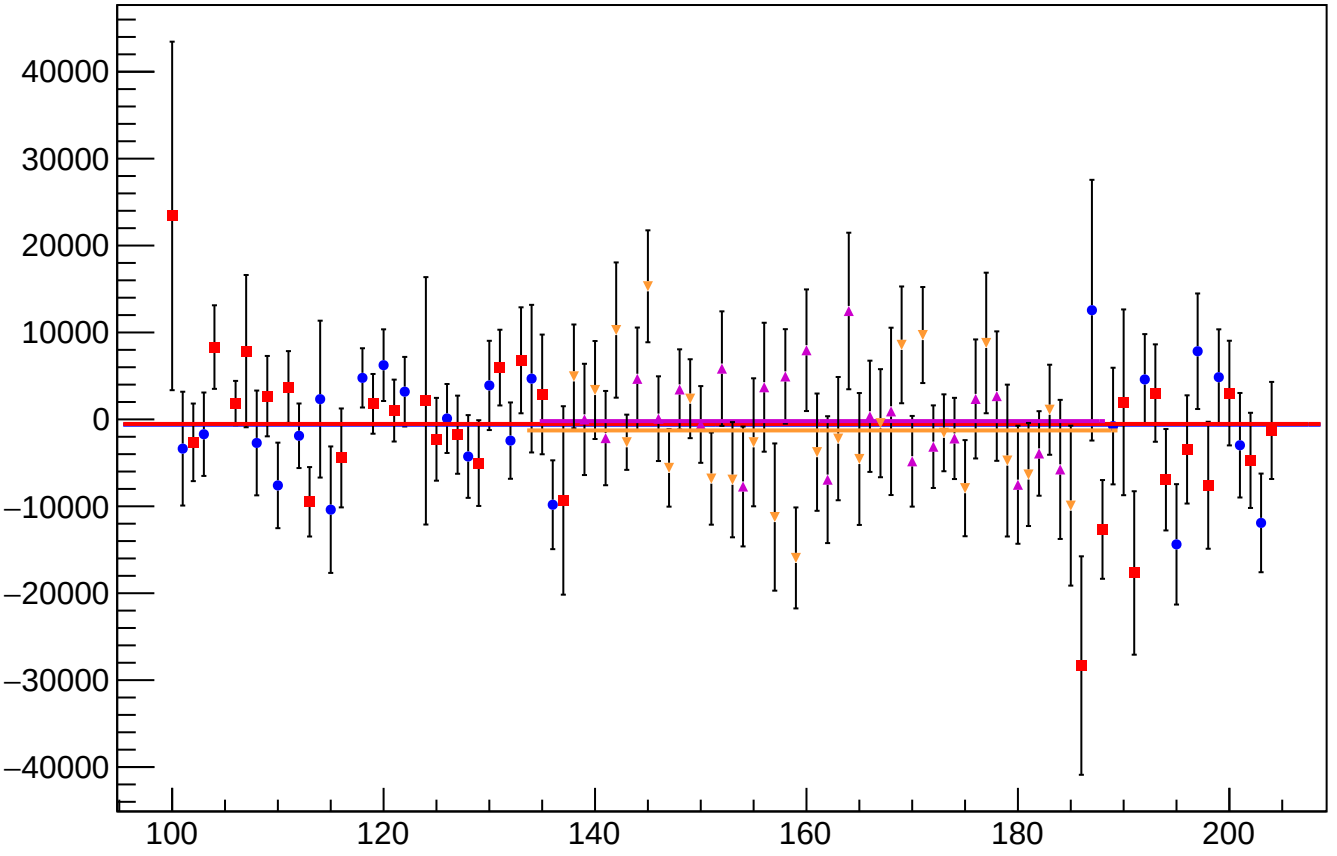
Right: 1790.990+/-0.240 χ^2/NDF: 1229966.3/53

In: 1857.248+/-0.235 χ^2/NDF:800040.0/46

Out: 1836.056+/-0.222 χ^2/NDF:897828.9/54

All: 1846.057+/-0.162 χ^2/NDF: 1702151.2/10

asym_atr1l2_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -610.552+/-1057.167 χ^2/NDF: 28.2/23

Left Out: -1269.765+/-1156.133 χ^2/NDF:33.4/24

Right Out: -524.189+/-940.530 χ^2/NDF: 36.7/29

Left In: -196.918+/-1234.540 χ^2/NDF:12.7/22

Left: -768.490+/-843.868 χ^2/NDF: 46.5/47

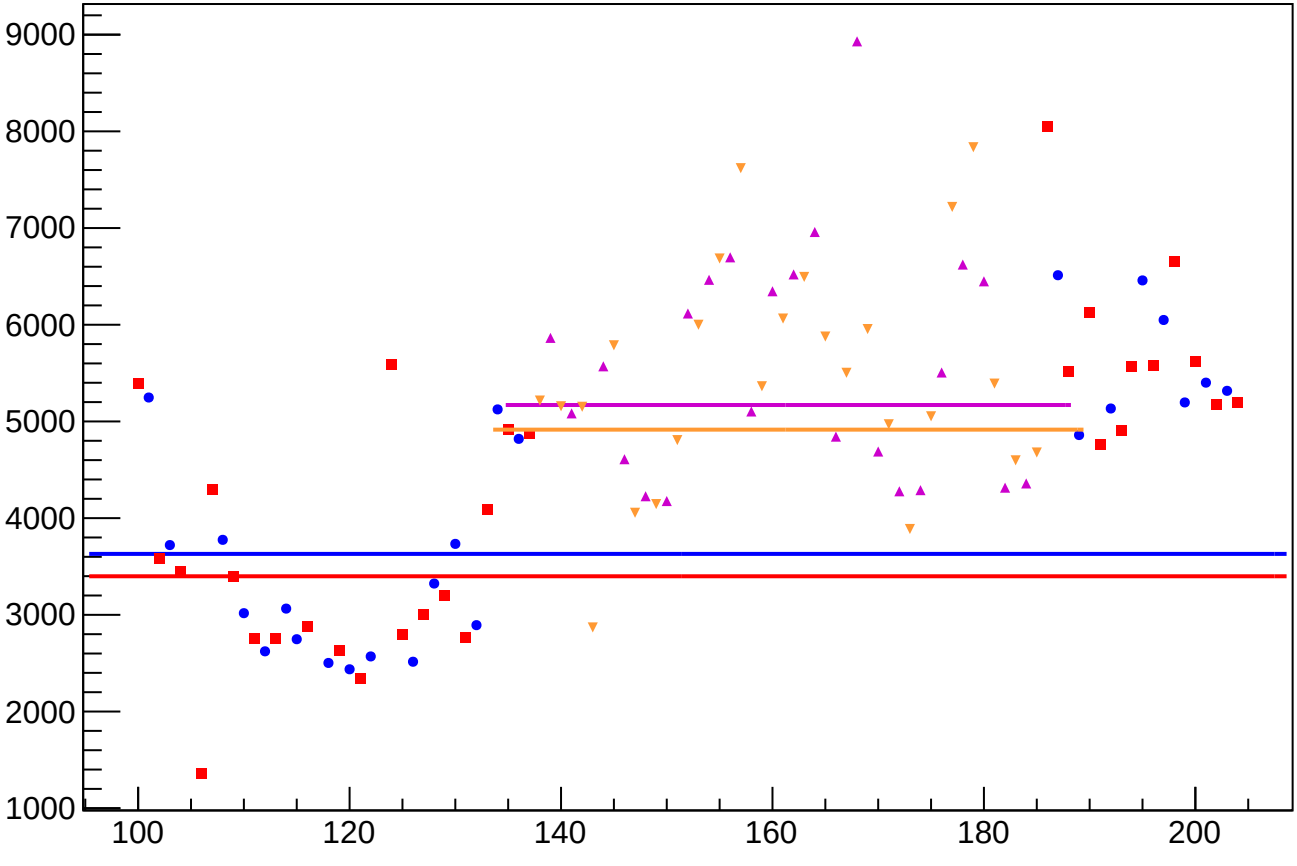
Right: -562.345+/-702.688 χ^2/NDF: 64.9/53

In: -435.559+/-802.985 χ^2/NDF:41.0/46

Out: -821.111+/-729.597 χ^2/NDF:70.4/54

All: -646.755+/-539.988 χ^2/NDF: 111.5/101

asym_atr1l2_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 3630.253+/-0.748 χ^2/NDF: 2677468.0/23

Left Out: 4915.251+/-0.818 χ^2/NDF:2166236.2/24

Right Out: 3398.849+/-0.665 χ^2/NDF: 4495926.4/29

Left In: 5170.035+/-0.873 χ^2/NDF:1348713.2/22

Left: 5034.296+/-0.597 χ^2/NDF: 3560333.0/47

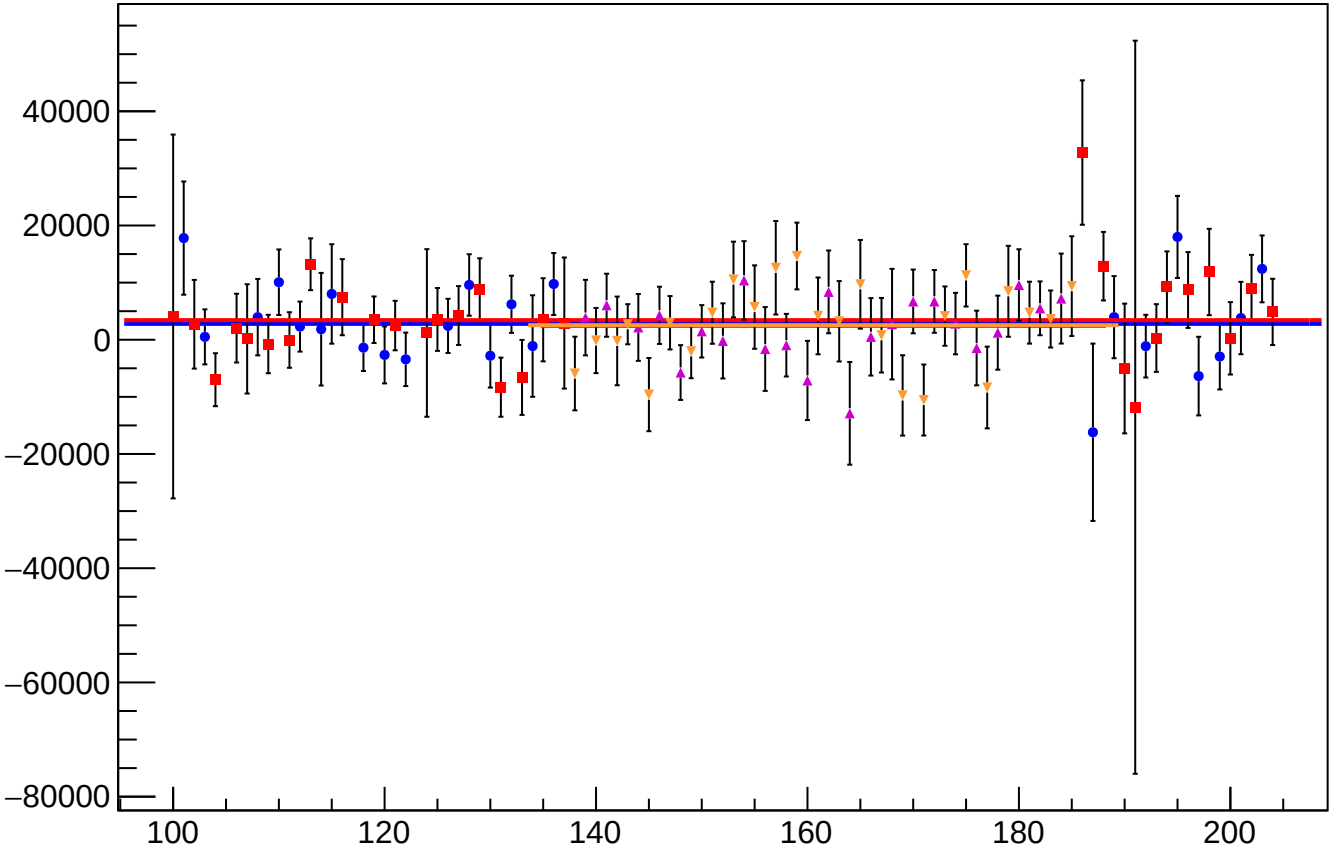
Right: 3501.086+/-0.497 χ^2/NDF: 7226883.6/53

In: 4281.678+/-0.568 χ^2/NDF:5821189.8/46

Out: 4002.747+/-0.516 χ^2/NDF:8732603.3/54

All: 4128.887+/-0.382 χ^2/NDF: 14685986.7/1

asym_atr1l2_avg_mean vs Slug, Sign Corrected



Right In: 2780.601+/-1189.683 χ^2/NDF: 25.5/23

Left Out: 2547.072+/-1187.668 χ^2/NDF:29.1/24

Right Out: 3431.467+/-1129.634 χ^2/NDF: 32.7/29

Left In: 2423.016+/-1259.653 χ^2/NDF:15.0/22

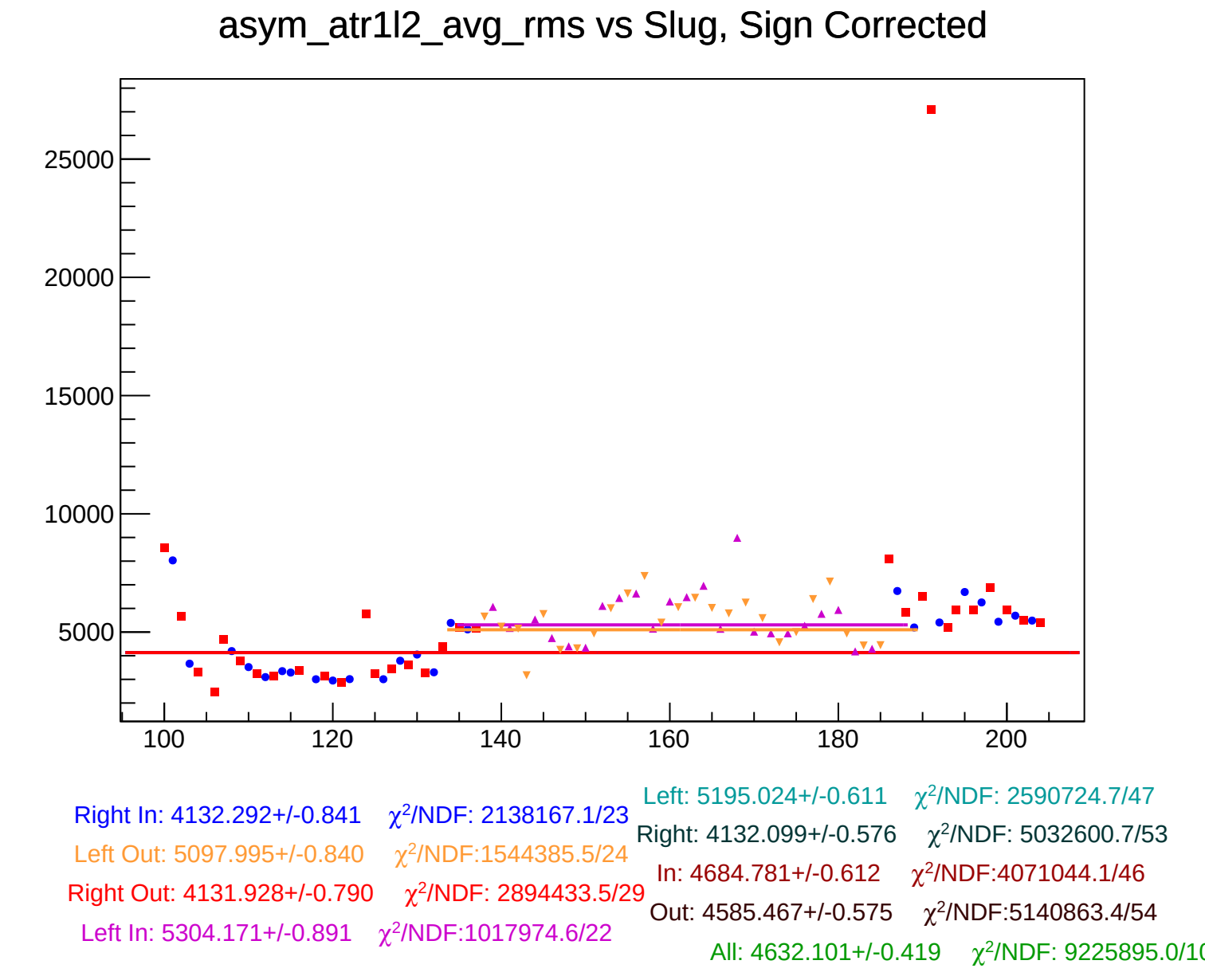
Left: 2488.690+/-864.136 χ^2/NDF: 44.1/47

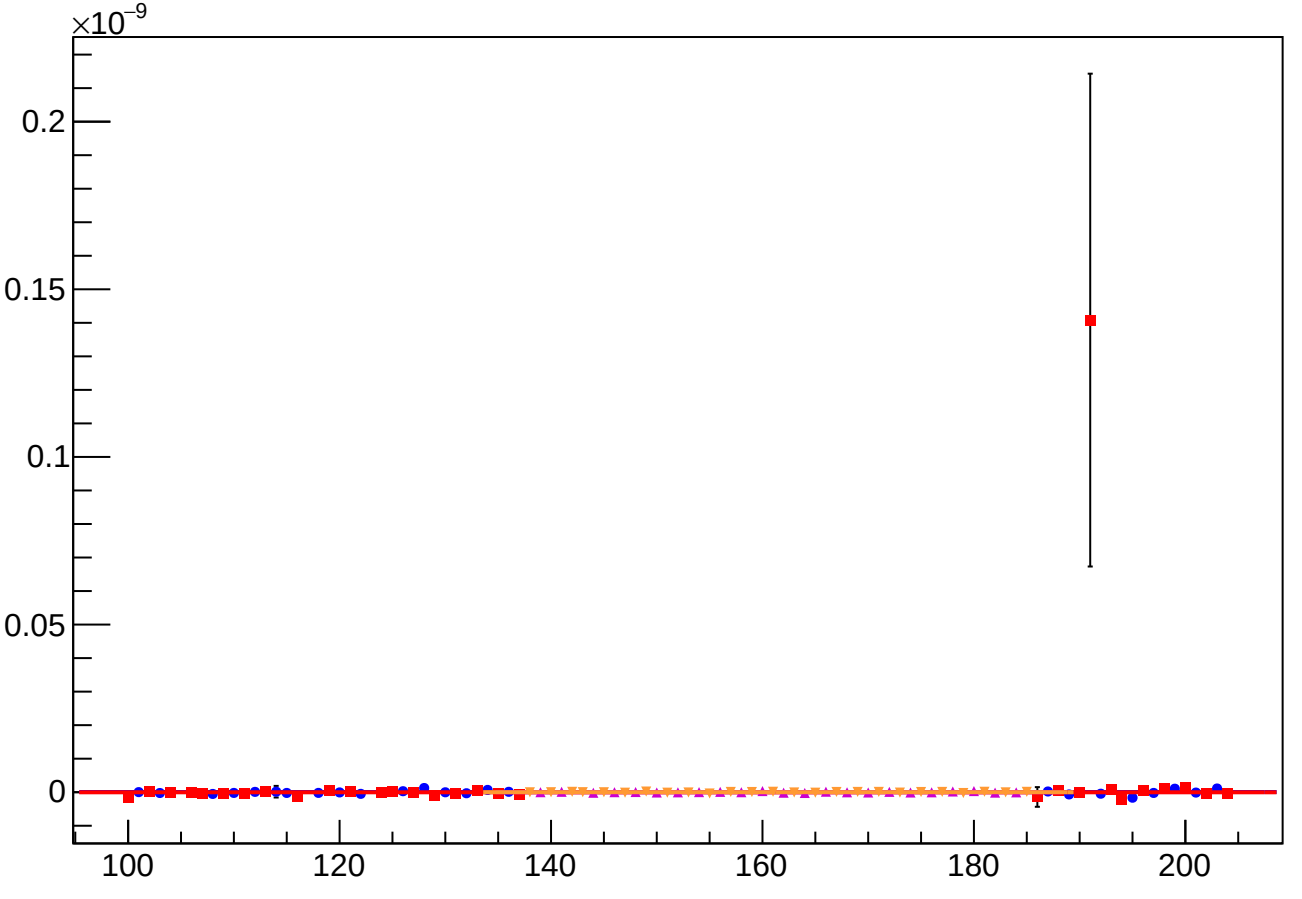
Right: 3122.874+/-819.178 χ^2/NDF: 58.3/53

In: 2612.016+/-864.912 χ^2/NDF:40.5/46

Out: 3011.404+/-818.520 χ^2/NDF:62.1/54

All: 2822.708+/-594.505 χ^2/NDF: 102.7/101


asym_atr1l2_avg_rms vs Slug, Sign Corrected
25000
20000
15000
10000
5000
100
120
140
160
180
200
Right In: 4132.292+/-0.841 χ²/NDF: 2138167.1/23
Left Out: 5097.995+/-0.840 χ²/NDF:1544385.5/24
Right Out: 4131.928+/-0.790 χ²/NDF: 2894433.5/29
Left In: 5304.171+/-0.891 χ²/NDF:1017974.6/22
Left: 5195.024+/-0.611 χ²/NDF: 2590724.7/47
Right: 4132.099+/-0.576 χ²/NDF: 5032600.7/53
In: 4684.781+/-0.612 χ²/NDF:4071044.1/46
Out: 4585.467+/-0.575 χ²/NDF:5140863.4/54
All: 4632.101+/-0.419 χ²/NDF: 9225895.0/10



Right In: 0.000+/-0.000 χ^2/NDF: 28.4/23

Left Out: 0.000+/-0.000 χ^2/NDF:15.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 39.3/29

Left In: -0.000+/-0.000 χ^2/NDF:22.9/22

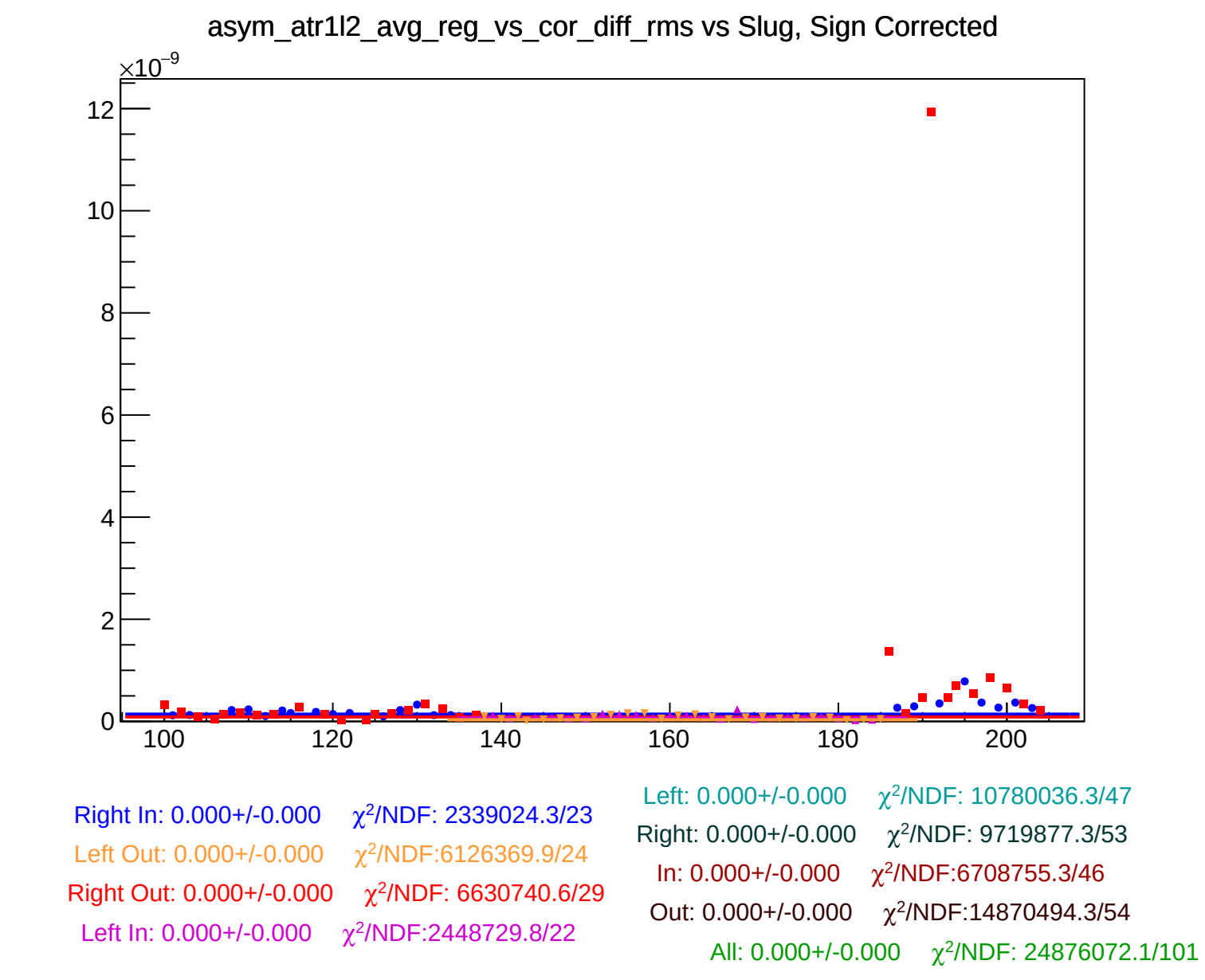
Left: 0.000+/-0.000 χ^2/NDF: 38.2/47

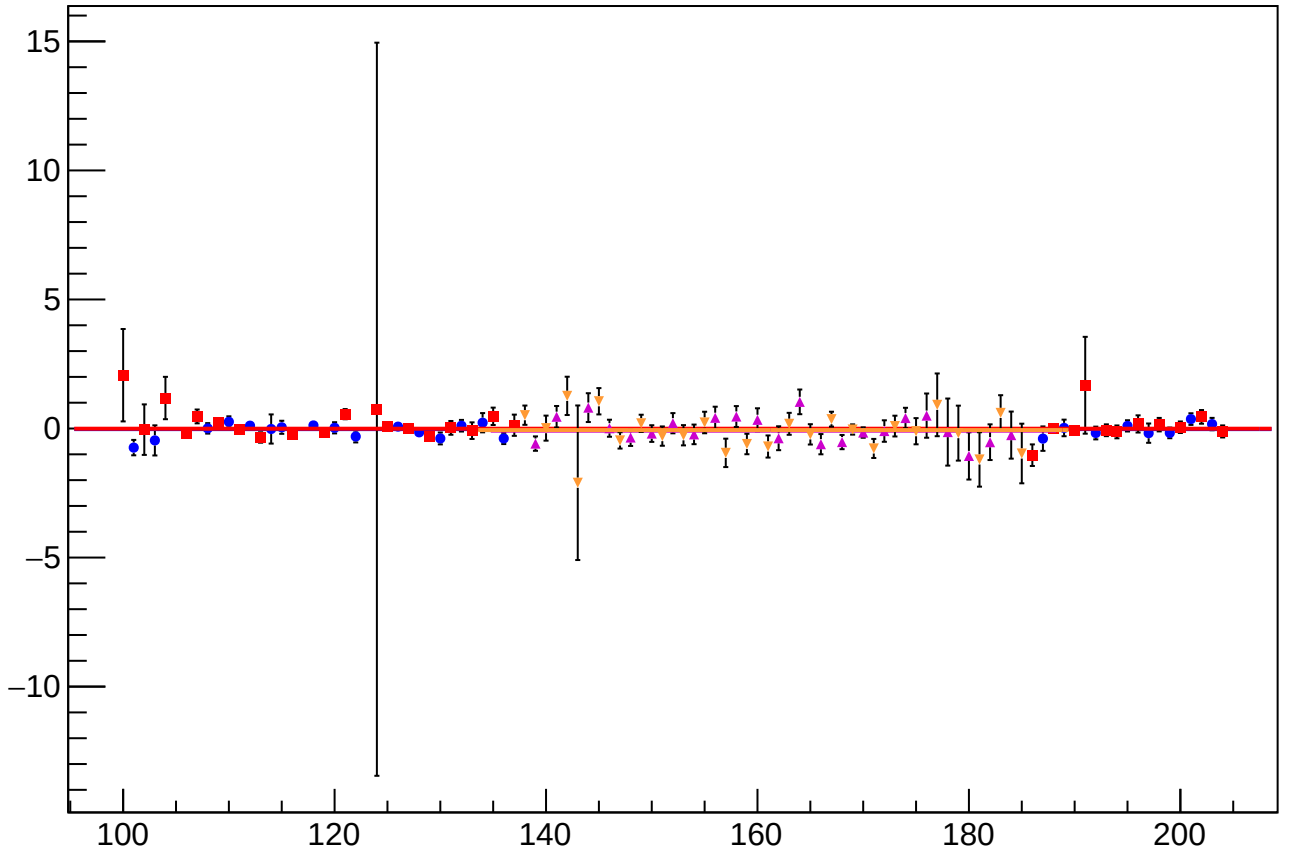
Right: 0.000+/-0.000 χ^2/NDF: 68.6/53

In: 0.000+/-0.000 χ^2/NDF:52.0/46

Out: 0.000+/-0.000 χ^2/NDF:54.8/54

All: 0.000+/-0.000 χ^2/NDF: 106.8/101


asym_atr1l2_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
12
10
8
6
4
2
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 2339024.3/23
Left Out: 0.000+/-0.000 χ²/NDF:6126369.9/24
Right Out: 0.000+/-0.000 χ²/NDF: 6630740.6/29
Left In: 0.000+/-0.000 χ²/NDF:2448729.8/22
Left: 0.000+/-0.000 χ²/NDF: 10780036.3/47
Right: 0.000+/-0.000 χ²/NDF: 9719877.3/53
In: 0.000+/-0.000 χ²/NDF:6708755.3/46
Out: 0.000+/-0.000 χ²/NDF:14870494.3/54
All: 0.000+/-0.000 χ²/NDF: 24876072.1/101



Right In: -0.023+/-0.048 χ^2/NDF: 23.7/23

Left Out: -0.061+/-0.084 χ^2/NDF:30.8/24

Right Out: -0.008+/-0.041 χ^2/NDF: 40.0/29

Left In: -0.084+/-0.081 χ^2/NDF:27.0/22

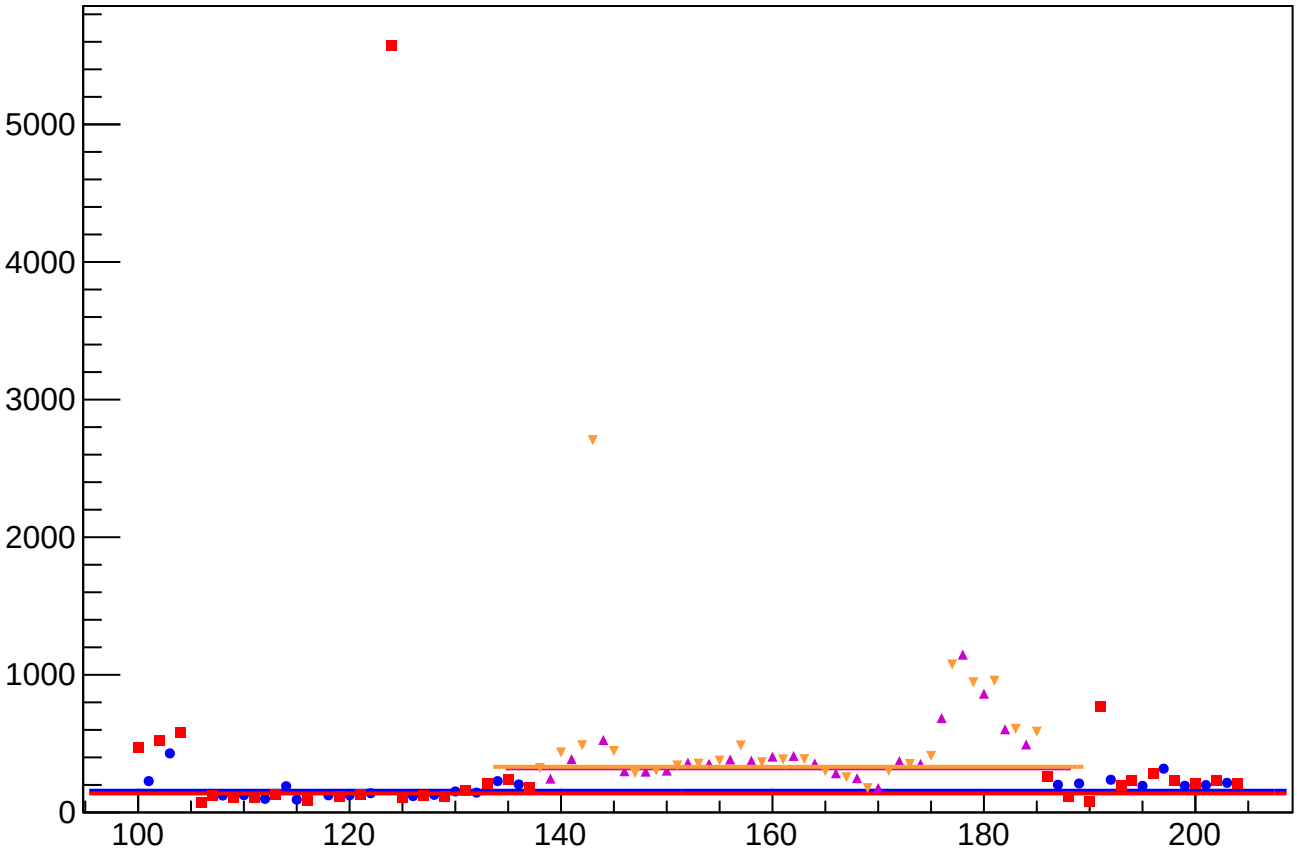
Left: -0.073+/-0.058 χ^2/NDF: 57.8/47

Right: -0.014+/-0.031 χ^2/NDF: 63.8/53

In: -0.038+/-0.041 χ^2/NDF:51.1/46

Out: -0.018+/-0.037 χ^2/NDF:71.1/54

All: -0.027+/-0.027 χ^2/NDF: 122.4/101



Right In: 157.800+/-0.034 χ^2/NDF: 2476336.6/23

Left Out: 331.651+/-0.059 χ^2/NDF:5838206.4/24

Right Out: 138.241+/-0.029 χ^2/NDF: 4801165.5/29

Left In: 320.746+/-0.057 χ^2/NDF:4248172.2/22

Left: 326.030+/-0.041 χ^2/NDF: 10103882.3/47

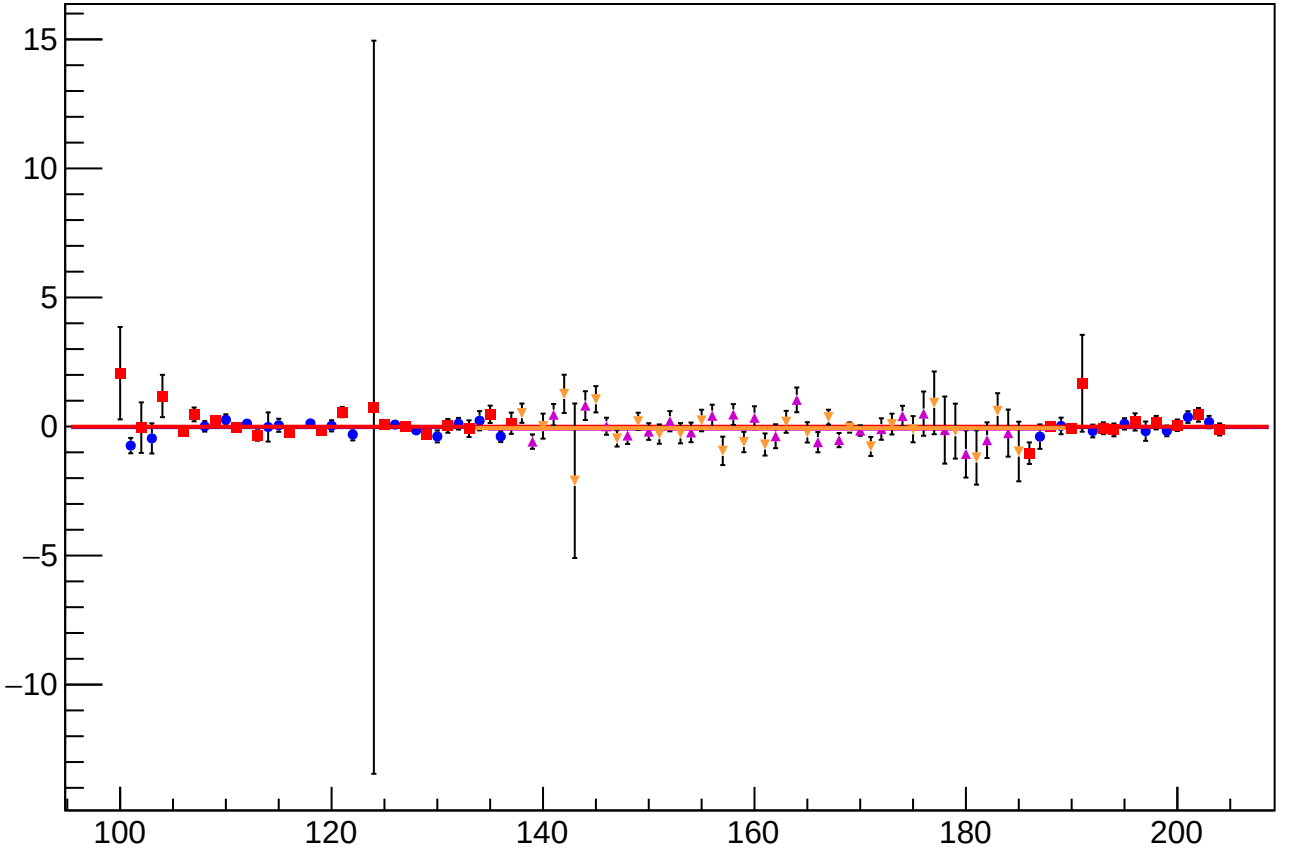
Right: 146.524+/-0.022 χ^2/NDF: 7471613.6/53

In: 199.608+/-0.029 χ^2/NDF:12719875.2/46

Out: 175.463+/-0.026 χ^2/NDF:19264818.1/54

All: 186.178+/-0.019 χ^2/NDF: 32368555.4/10

asym_atr1l2_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.023+/-0.048 χ^2/NDF: 23.7/23

Left Out: -0.061+/-0.084 χ^2/NDF:30.8/24

Right Out: -0.008+/-0.041 χ^2/NDF: 40.0/29

Left In: -0.084+/-0.081 χ^2/NDF:27.0/22

Left: -0.073+/-0.058 χ^2/NDF: 57.8/47

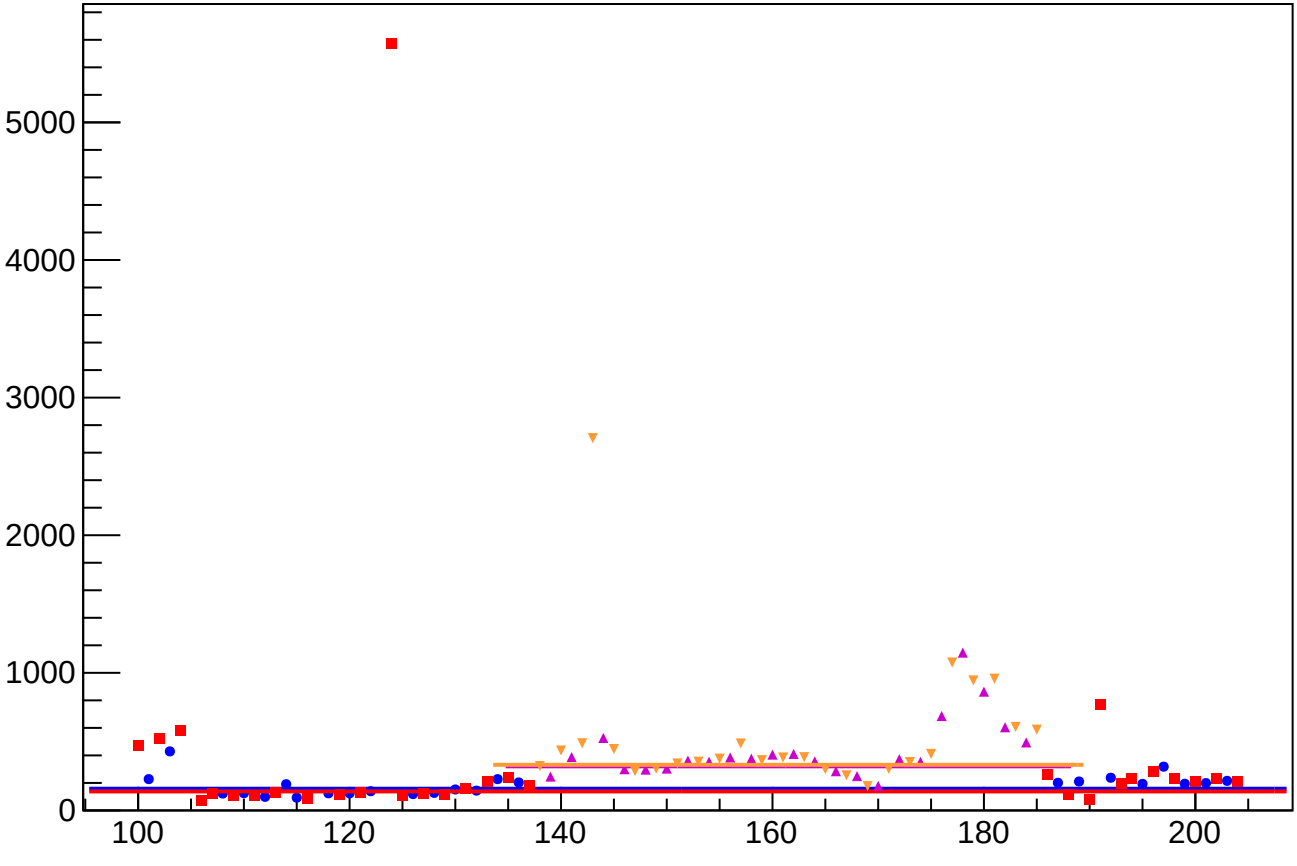
Right: -0.014+/-0.031 χ^2/NDF: 63.8/53

In: -0.038+/-0.041 χ^2/NDF:51.1/46

Out: -0.018+/-0.037 χ^2/NDF:71.1/54

All: -0.027+/-0.027 χ^2/NDF: 122.4/101

asym_atr1l2_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 157.800+/-0.034 χ^2/NDF: 2476336.6/23

Left Out: 331.651+/-0.059 χ^2/NDF:5838206.4/24

Right Out: 138.241+/-0.029 χ^2/NDF: 4801165.5/29

Left In: 320.746+/-0.057 χ^2/NDF:4248172.2/22

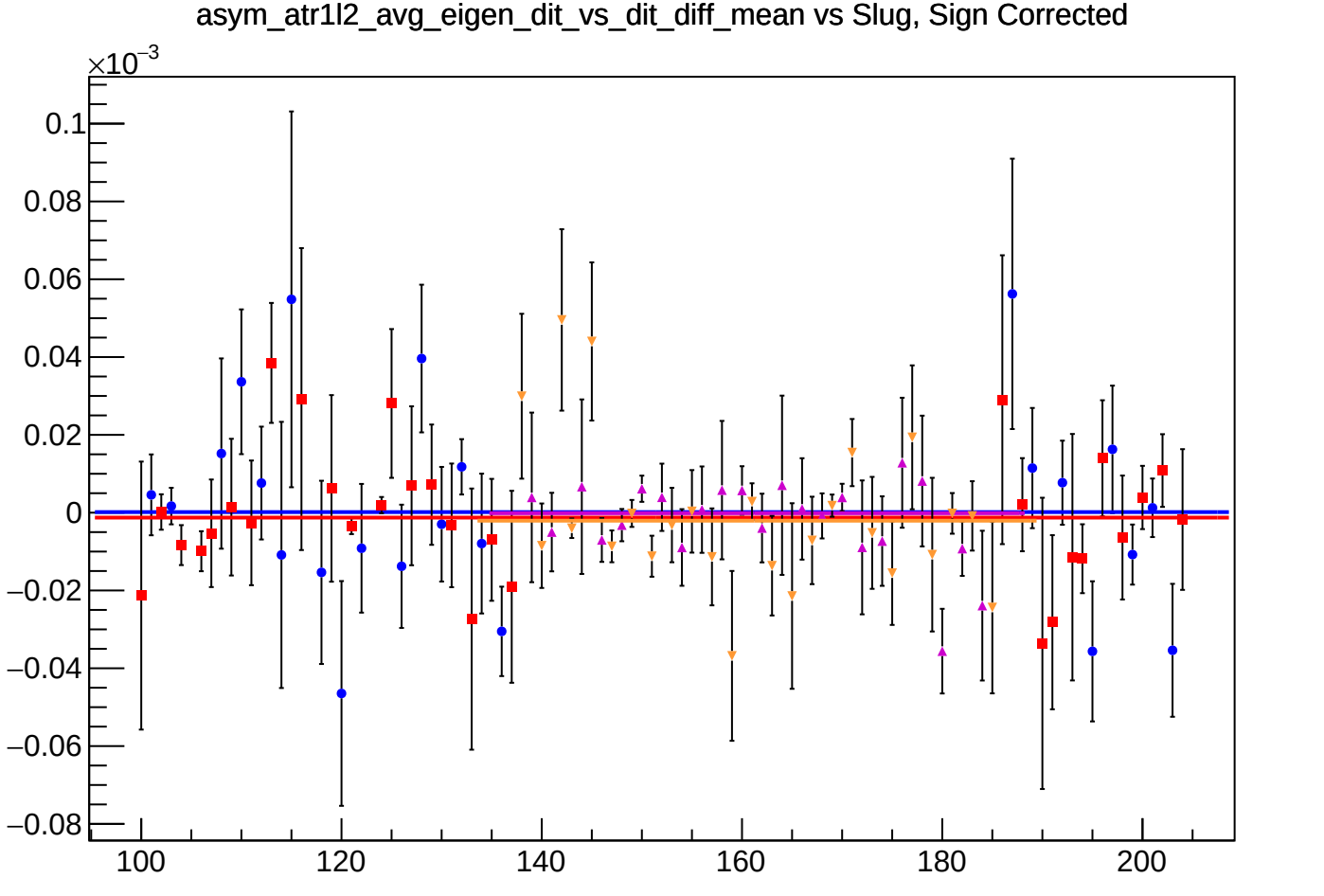
Left: 326.030+/-0.041 χ^2/NDF: 10103882.3/47

Right: 146.524+/-0.022 χ^2/NDF: 7471613.6/53

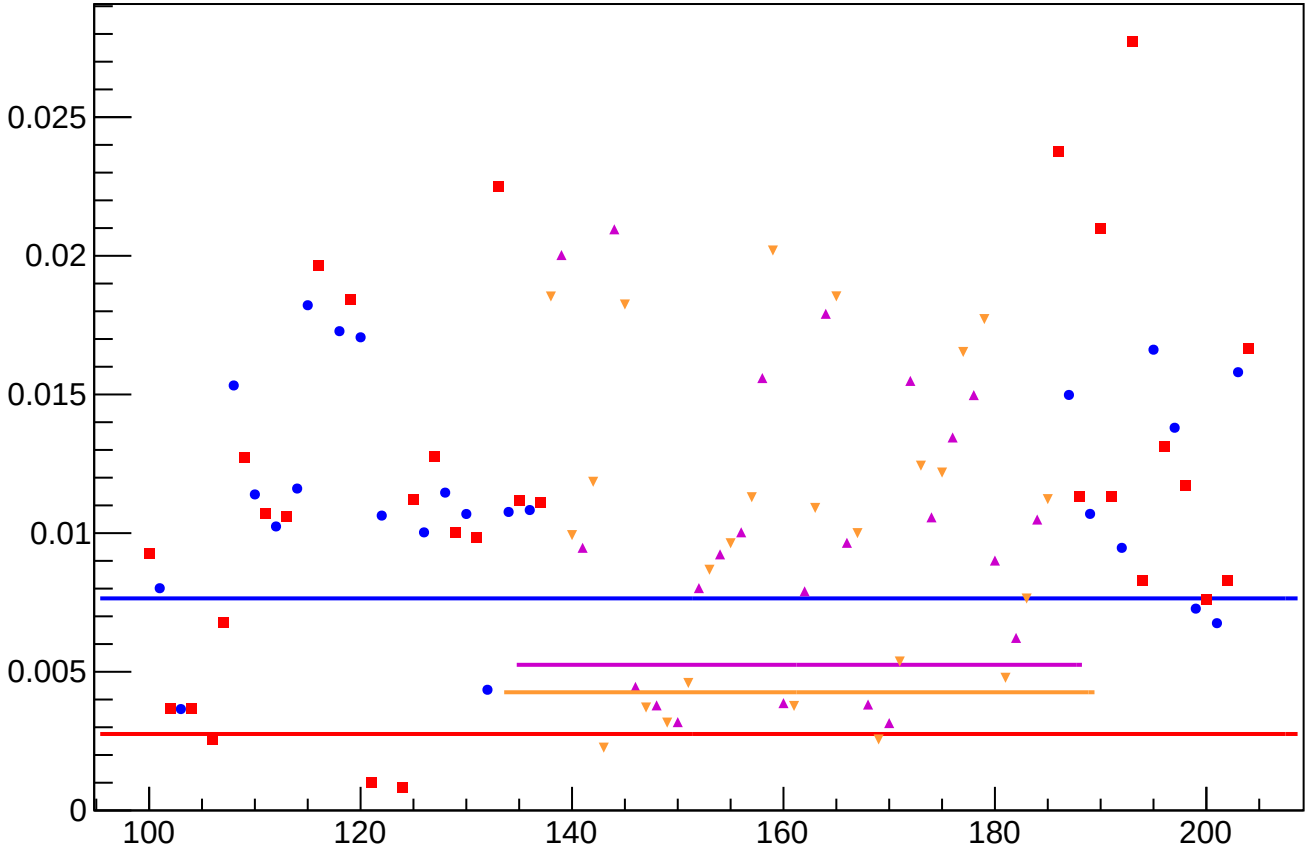
In: 199.608+/-0.029 χ^2/NDF:12719875.2/46

Out: 175.463+/-0.026 χ^2/NDF:19264818.1/54

All: 186.178+/-0.019 χ^2/NDF: 32368555.4/10


asym_atr1l2_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.1
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 39.0/23
Left Out: -0.000+/-0.000 χ²/NDF:34.8/24
Right Out: -0.000+/-0.000 χ²/NDF: 28.0/29
Left In: -0.000+/-0.000 χ²/NDF:24.9/22
Left: -0.000+/-0.000 χ²/NDF: 60.6/47
Right: -0.000+/-0.000 χ²/NDF: 67.2/53
In: -0.000+/-0.000 χ²/NDF:63.8/46
Out: -0.000+/-0.000 χ²/NDF:63.0/54
All: -0.000+/-0.000 χ²/NDF: 127.9/101

asym_atr1l2_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 4866681.1/23

Left Out: 0.004+/-0.000 χ^2/NDF:12968514.8/24

Right Out: 0.003+/-0.000 χ^2/NDF: 18322357.5/29

Left In: 0.005+/-0.000 χ^2/NDF:9531217.7/22

Left: 0.005+/-0.000 χ^2/NDF: 23007822.3/47

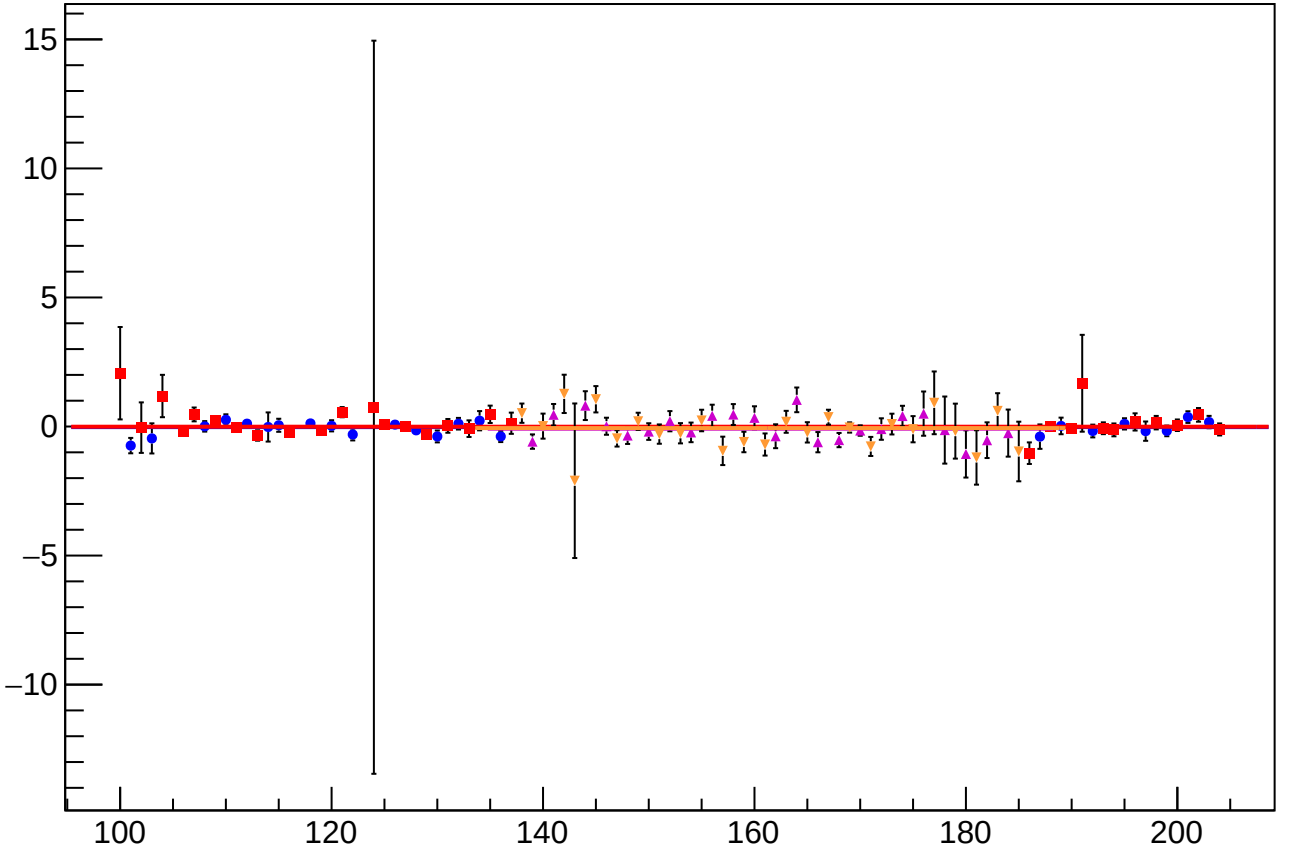
Right: 0.004+/-0.000 χ^2/NDF: 29778638.1/53

In: 0.006+/-0.000 χ^2/NDF:15810442.8/46

Out: 0.003+/-0.000 χ^2/NDF:32805815.7/54

All: 0.004+/-0.000 χ^2/NDF: 53625496.1/101

asym_atr1l2_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.023+/-0.048 χ^2/NDF: 23.7/23

Left Out: -0.061+/-0.084 χ^2/NDF:30.8/24

Right Out: -0.008+/-0.041 χ^2/NDF: 40.0/29

Left In: -0.084+/-0.081 χ^2/NDF:27.0/22

Left: -0.073+/-0.058 χ^2/NDF: 57.8/47

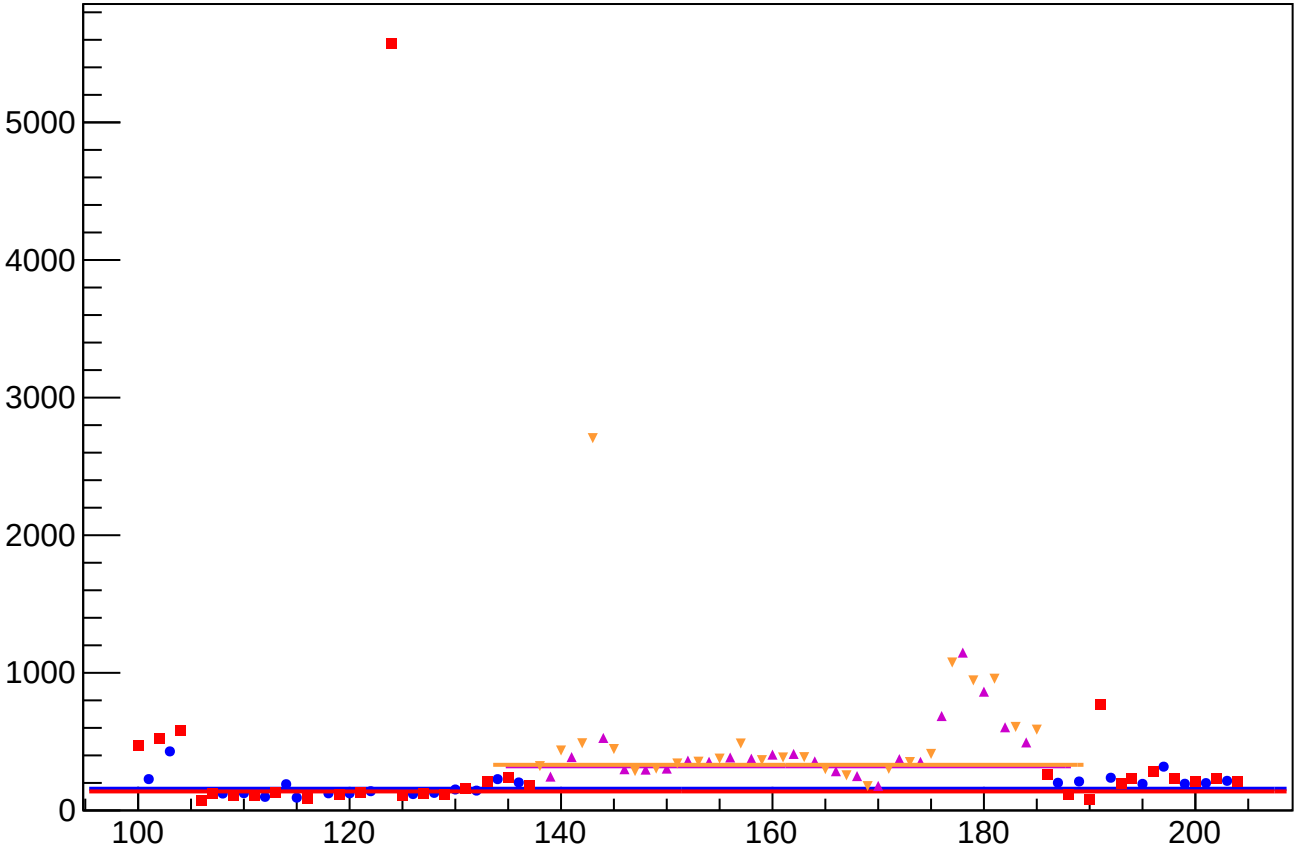
Right: -0.014+/-0.031 χ^2/NDF: 63.8/53

In: -0.038+/-0.041 χ^2/NDF:51.1/46

Out: -0.018+/-0.037 χ^2/NDF:71.1/54

All: -0.027+/-0.027 χ^2/NDF: 122.4/101

asym_atr1l2_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 157.801+/-0.034 χ^2/NDF: 2476268.8/23

Left Out: 331.653+/-0.059 χ^2/NDF:5838264.0/24

Right Out: 138.240+/-0.029 χ^2/NDF: 4801186.6/29

Left In: 320.749+/-0.057 χ^2/NDF:4248171.3/22

Left: 326.033+/-0.041 χ^2/NDF: 10103935.7/47

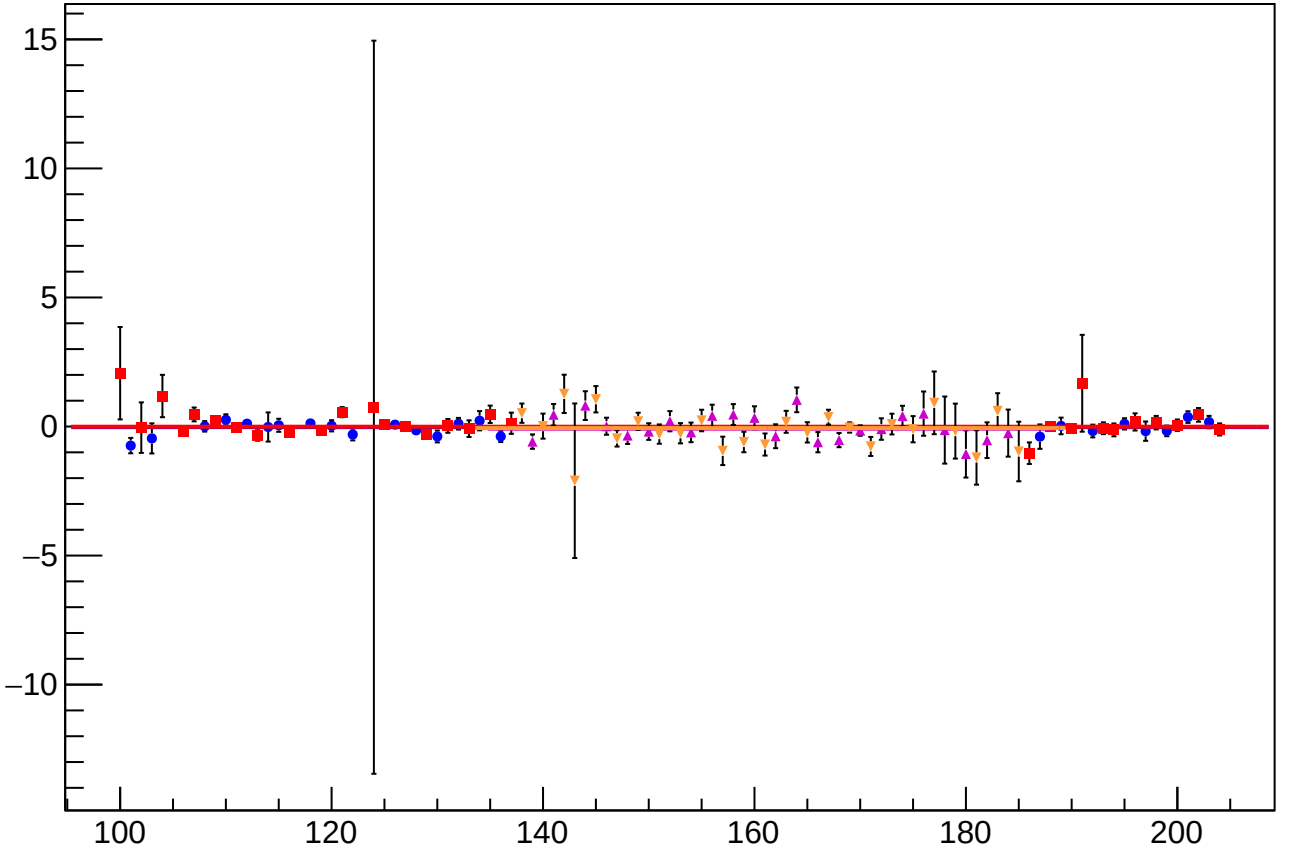
Right: 146.524+/-0.022 χ^2/NDF: 7471592.7/53

In: 199.609+/-0.029 χ^2/NDF:12719847.2/46

Out: 175.462+/-0.026 χ^2/NDF:19265010.1/54

All: 186.179+/-0.019 χ^2/NDF: 32368765.7/10

asym_atr1l2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.023+/-0.048 χ^2/NDF: 23.7/23

Left Out: -0.061+/-0.084 χ^2/NDF:30.8/24

Right Out: -0.008+/-0.041 χ^2/NDF: 40.0/29

Left In: -0.084+/-0.081 χ^2/NDF:27.0/22

Left: -0.073+/-0.058 χ^2/NDF: 57.8/47

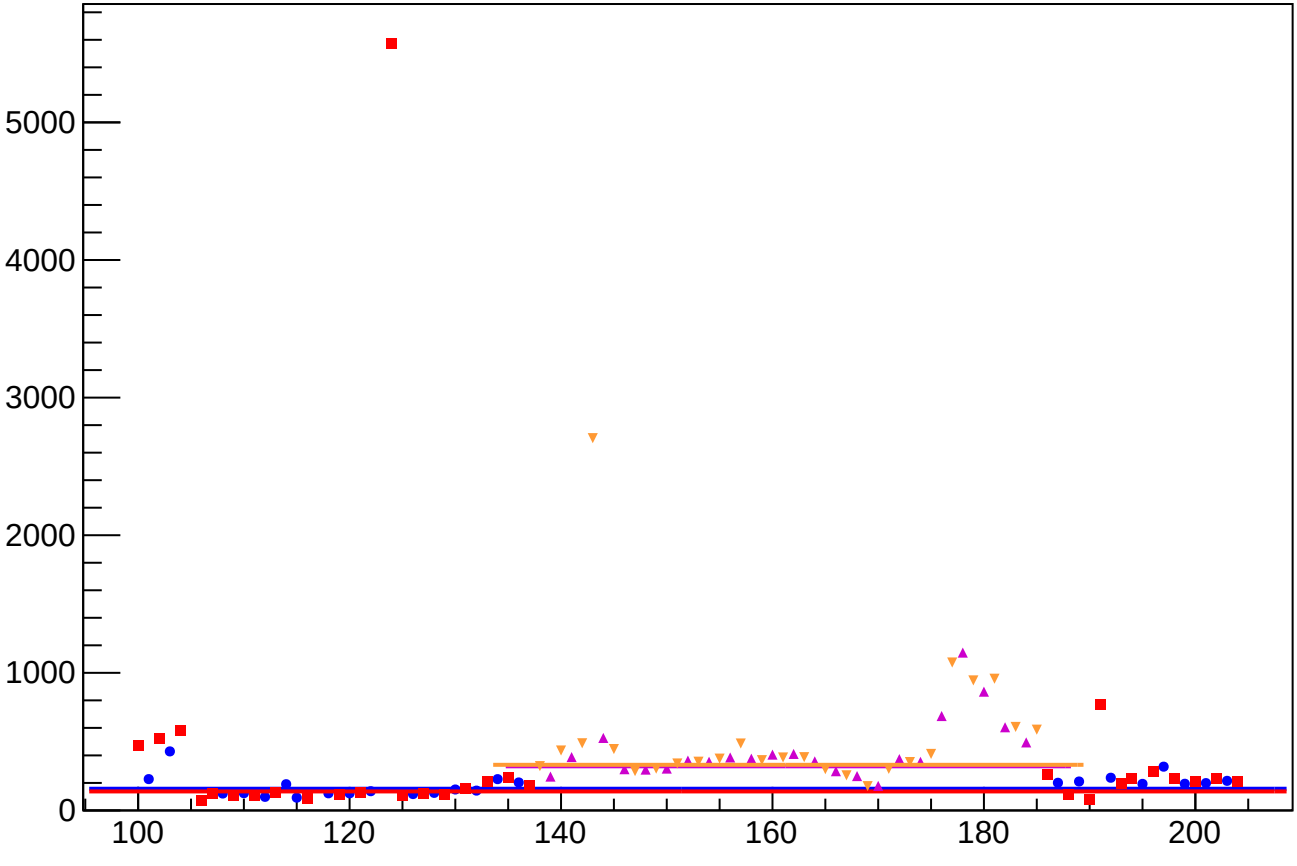
Right: -0.014+/-0.031 χ^2/NDF: 63.8/53

In: -0.038+/-0.041 χ^2/NDF:51.1/46

Out: -0.018+/-0.037 χ^2/NDF:71.1/54

All: -0.027+/-0.027 χ^2/NDF: 122.4/101

asym_atr1l2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 157.801+/-0.034 χ^2/NDF: 2476268.8/23

Left Out: 331.653+/-0.059 χ^2/NDF:5838264.0/24

Right Out: 138.240+/-0.029 χ^2/NDF: 4801186.6/29

Left In: 320.749+/-0.057 χ^2/NDF:4248171.3/22

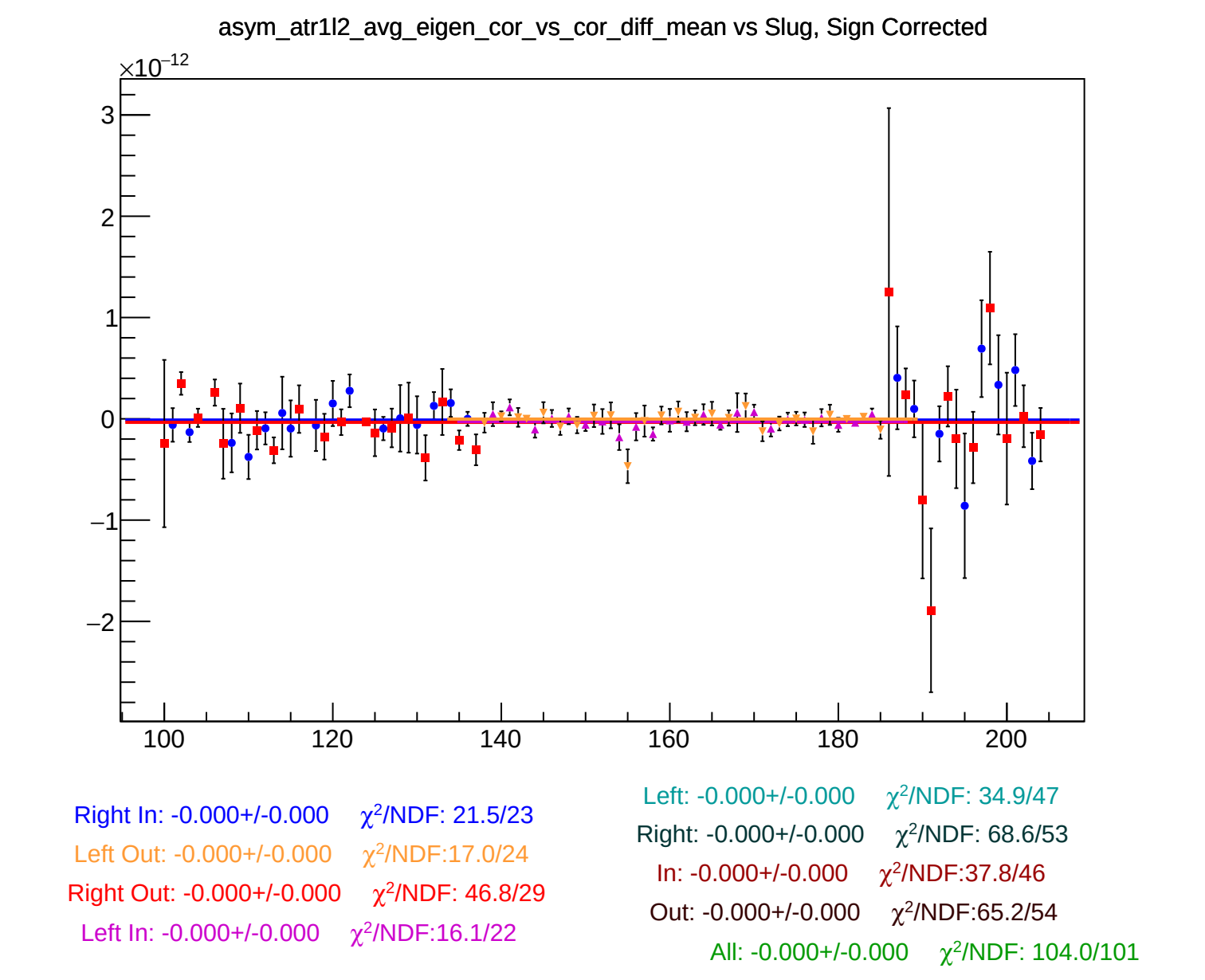
Left: 326.033+/-0.041 χ^2/NDF: 10103935.7/47

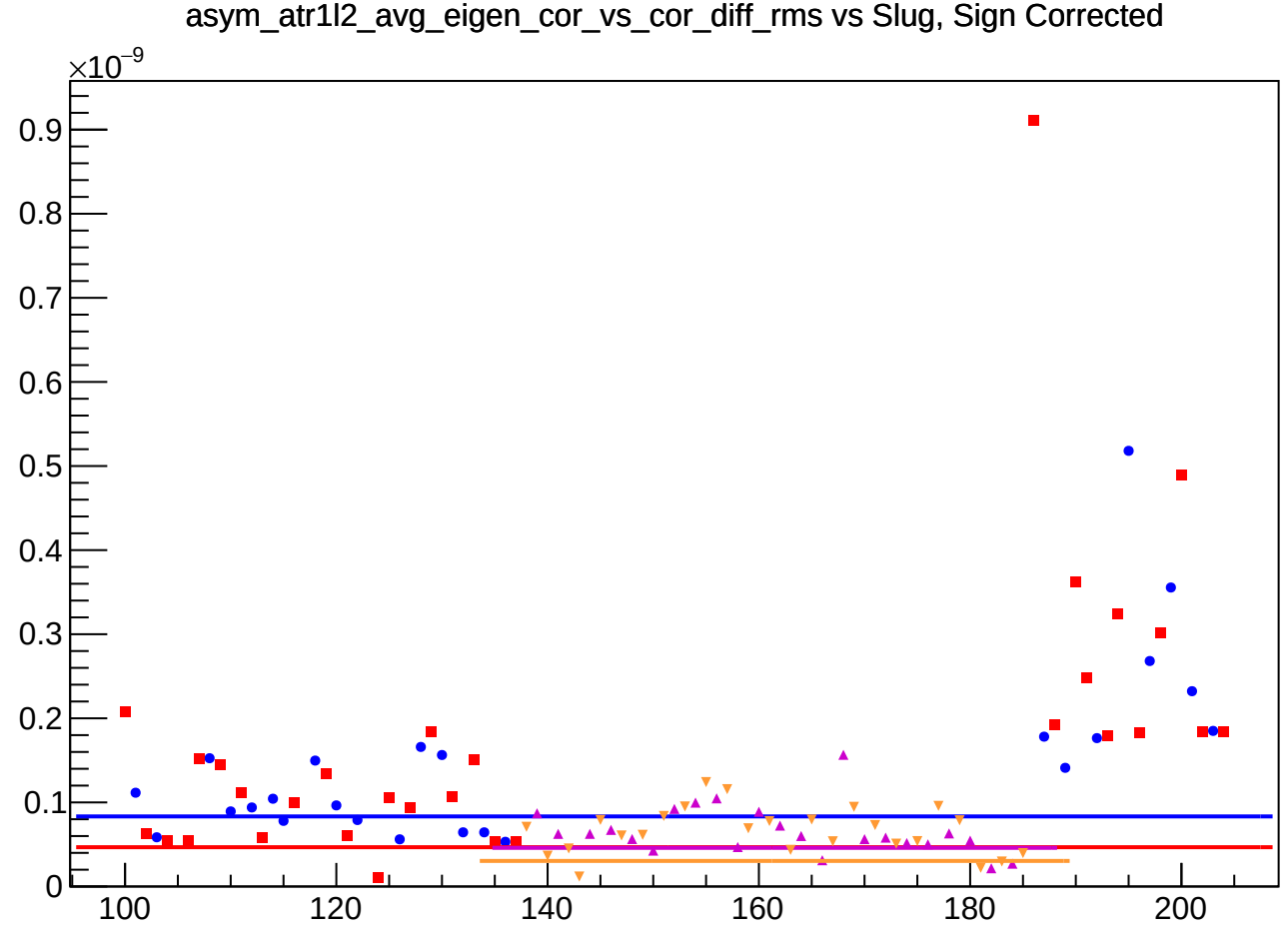
Right: 146.524+/-0.022 χ^2/NDF: 7471592.7/53

In: 199.609+/-0.029 χ^2/NDF:12719847.2/46

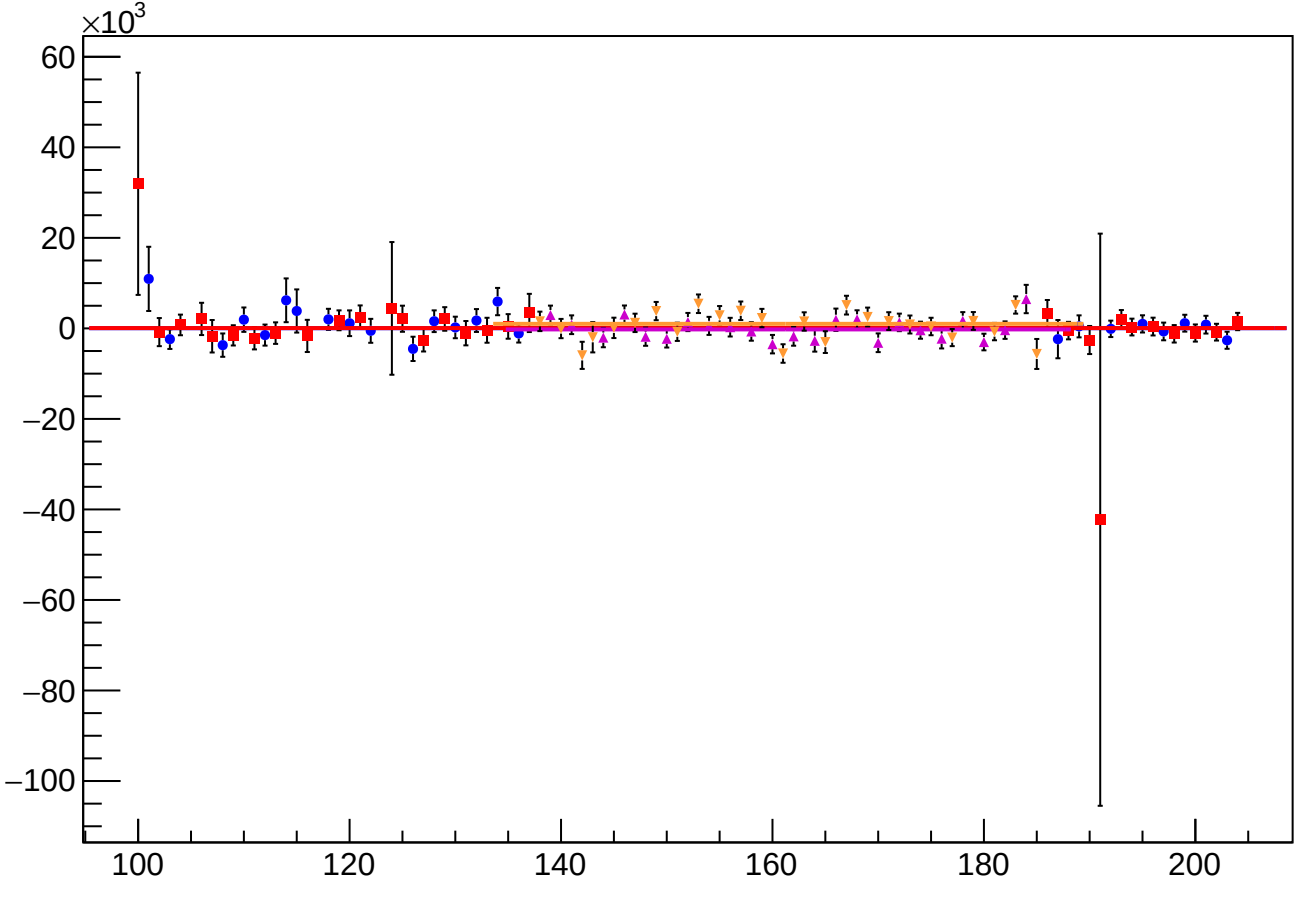
Out: 175.462+/-0.026 χ^2/NDF:19265010.1/54

All: 186.179+/-0.019 χ^2/NDF: 32368765.7/10


asym_atr1l2_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
3
2
1
0
−1
−2
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 21.5/23
Left Out: -0.000+/-0.000 χ²/NDF:17.0/24
Right Out: -0.000+/-0.000 χ²/NDF: 46.8/29
Left In: -0.000+/-0.000 χ²/NDF:16.1/22
Left: -0.000+/-0.000 χ²/NDF: 34.9/47
Right: -0.000+/-0.000 χ²/NDF: 68.6/53
In: -0.000+/-0.000 χ²/NDF:37.8/46
Out: -0.000+/-0.000 χ²/NDF:65.2/54
All: -0.000+/-0.000 χ²/NDF: 104.0/101


asym_atr1l2_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 3954957.0/23
Left Out: 0.000+/-0.000 χ²/NDF:10517831.9/24
Right Out: 0.000+/-0.000 χ²/NDF: 9658325.8/29
Left In: 0.000+/-0.000 χ²/NDF:4899715.4/22
Left: 0.000+/-0.000 χ²/NDF: 16912386.2/47
Right: 0.000+/-0.000 χ²/NDF: 15028180.8/53
In: 0.000+/-0.000 χ²/NDF:10728357.8/46
Out: 0.000+/-0.000 χ²/NDF:20901634.6/54
All: 0.000+/-0.000 χ²/NDF: 34034204.6/101

reg_asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: 36.674+/-491.202 χ^2/NDF: 20.9/23

Left Out: 1004.165+/-422.582 χ^2/NDF:47.4/24

Right Out: 67.662+/-460.466 χ^2/NDF: 13.9/29

Left In: -229.321+/-429.699 χ^2/NDF:26.4/22

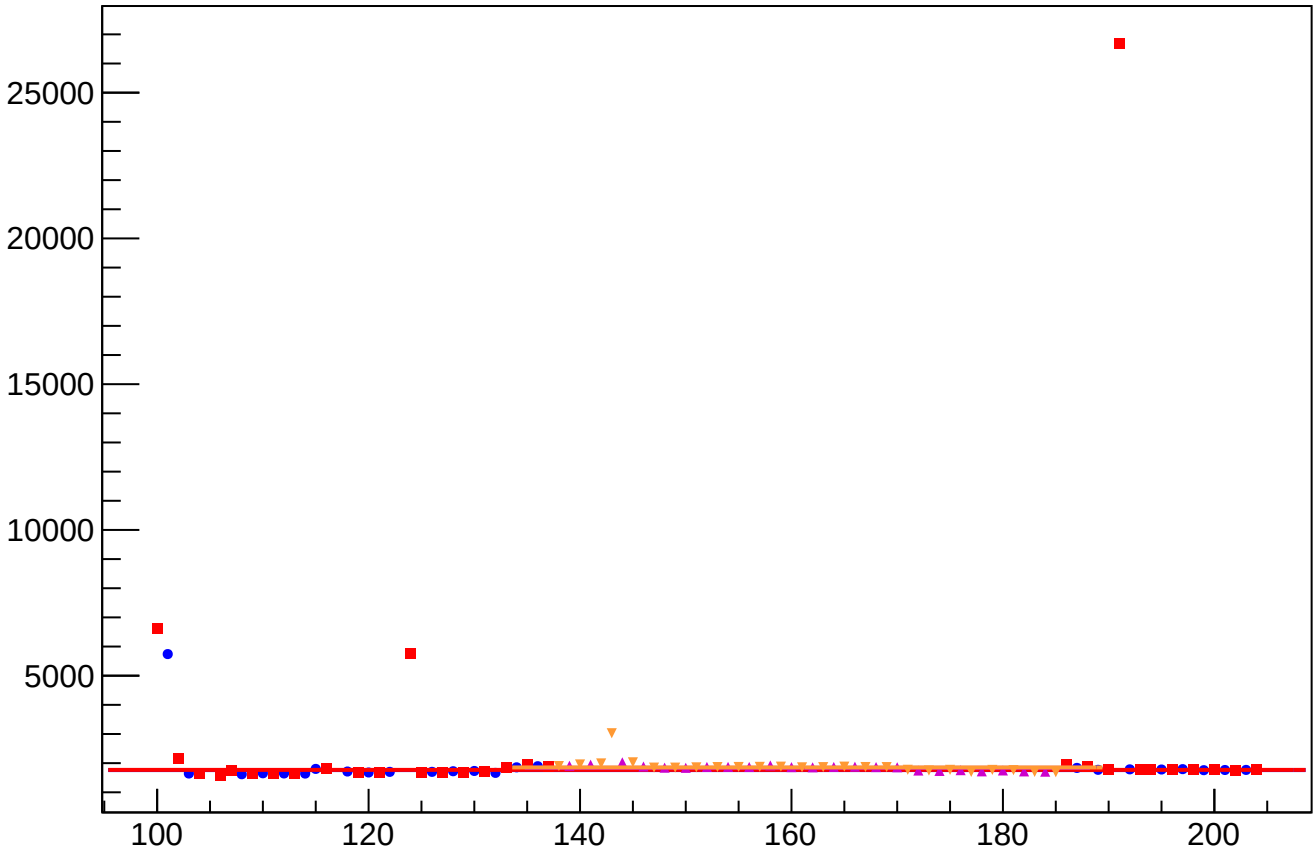
Left: 397.721+/-301.295 χ^2/NDF: 77.9/47

Right: 53.168+/-335.939 χ^2/NDF: 34.8/53

In: -114.010+/-323.415 χ^2/NDF:47.5/46

Out: 576.016+/-311.344 χ^2/NDF:63.5/54

All: 244.121+/-224.299 χ^2/NDF: 113.3/101



Right In: 1762.433+/-0.347 χ^2/NDF: 672083.2/23

Left Out: 1852.534+/-0.299 χ^2/NDF:321038.9/24

Right Out: 1768.694+/-0.324 χ^2/NDF: 638227.8/29

Left In: 1838.528+/-0.304 χ^2/NDF:68478.0/22

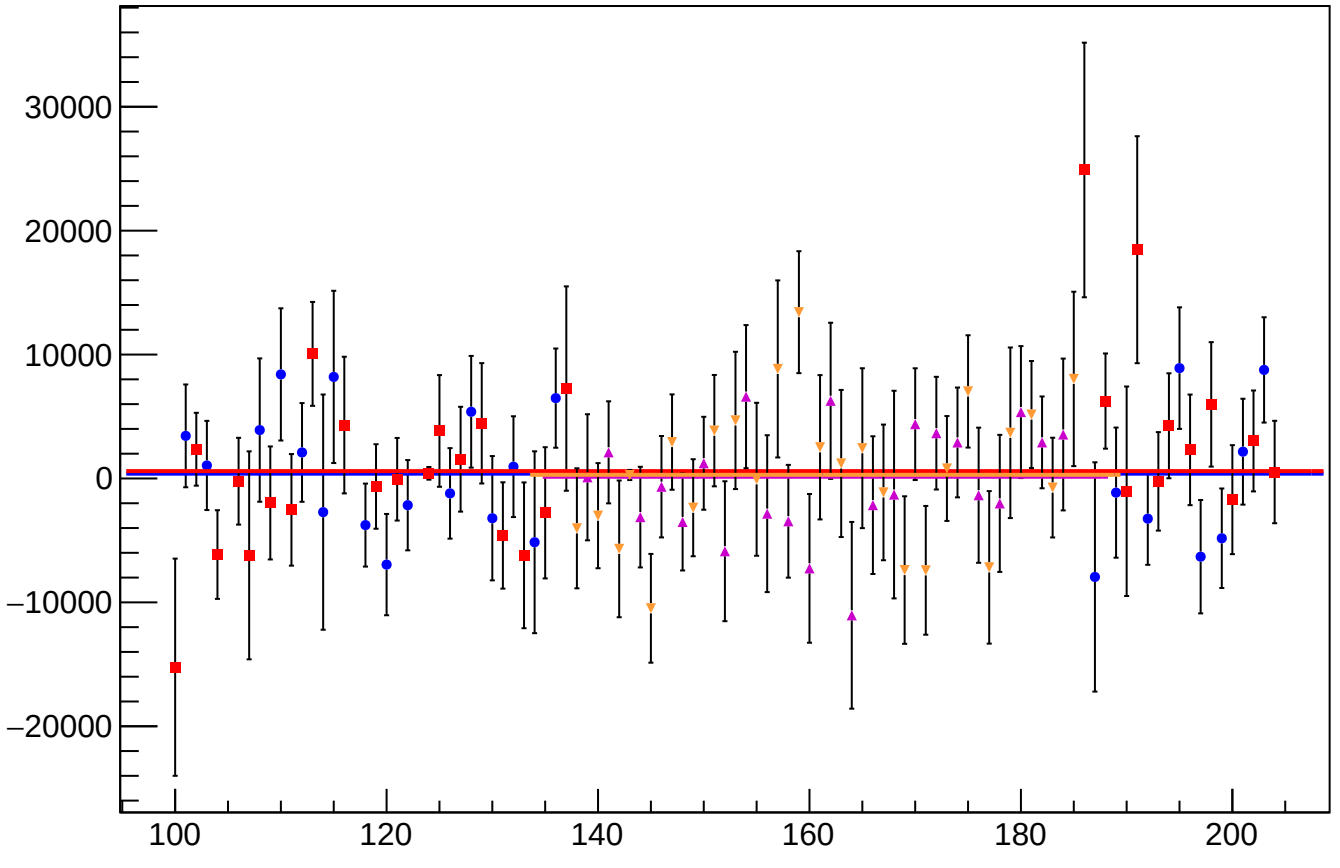
Left: 1845.648+/-0.213 χ^2/NDF: 390597.1/47

Right: 1765.777+/-0.237 χ^2/NDF: 1310484.6/53

In: 1805.540+/-0.229 χ^2/NDF:767751.6/46

Out: 1814.052+/-0.220 χ^2/NDF:995399.9/54

All: 1809.965+/-0.158 χ^2/NDF: 1763871.8/10



Right In: 388.456+/-910.550 χ^2/NDF: 27.6/23

Left Out: 294.407+/-379.922 χ^2/NDF:30.0/24

Right Out: 593.602+/-436.400 χ^2/NDF: 33.9/29

Left In: 138.350+/-1022.943 χ^2/NDF:13.9/22

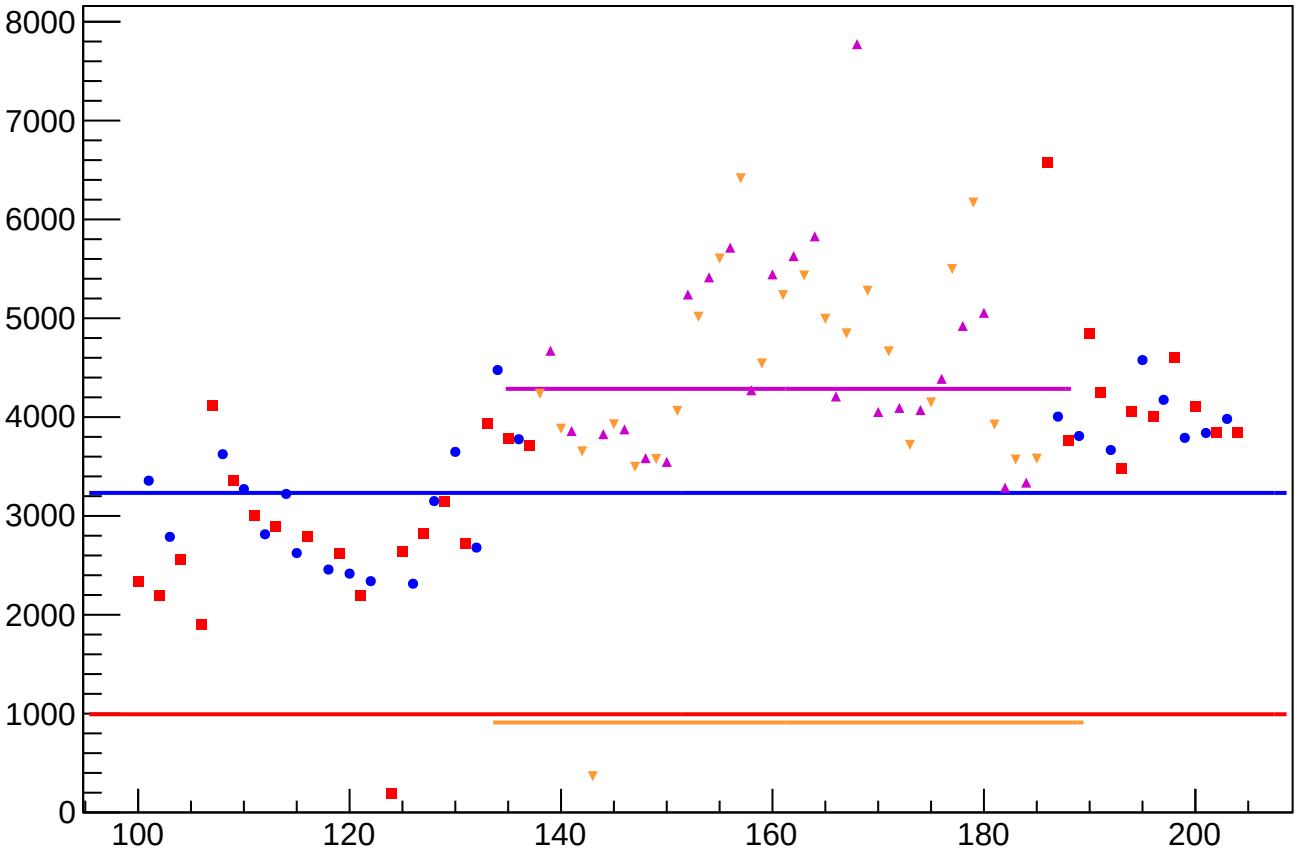
Left: 275.490+/-356.152 χ^2/NDF: 43.9/47

Right: 555.282+/-393.537 χ^2/NDF: 61.5/53

In: 277.892+/-680.135 χ^2/NDF:41.5/46

Out: 423.403+/-286.547 χ^2/NDF:64.2/54

All: 401.468+/-264.068 χ^2/NDF: 105.7/101



Right In: 3232.924+/-0.644 χ^2/NDF: 1099023.1/23

Left Out: 910.135+/-0.269 χ^2/NDF:26774123.9/24

Right Out: 993.484+/-0.309 χ^2/NDF: 20038702.8/29

Left In: 4285.839+/-0.723 χ^2/NDF:1327947.9/22

Left: 1319.331+/-0.252 χ^2/NDF: 47241855.7/47

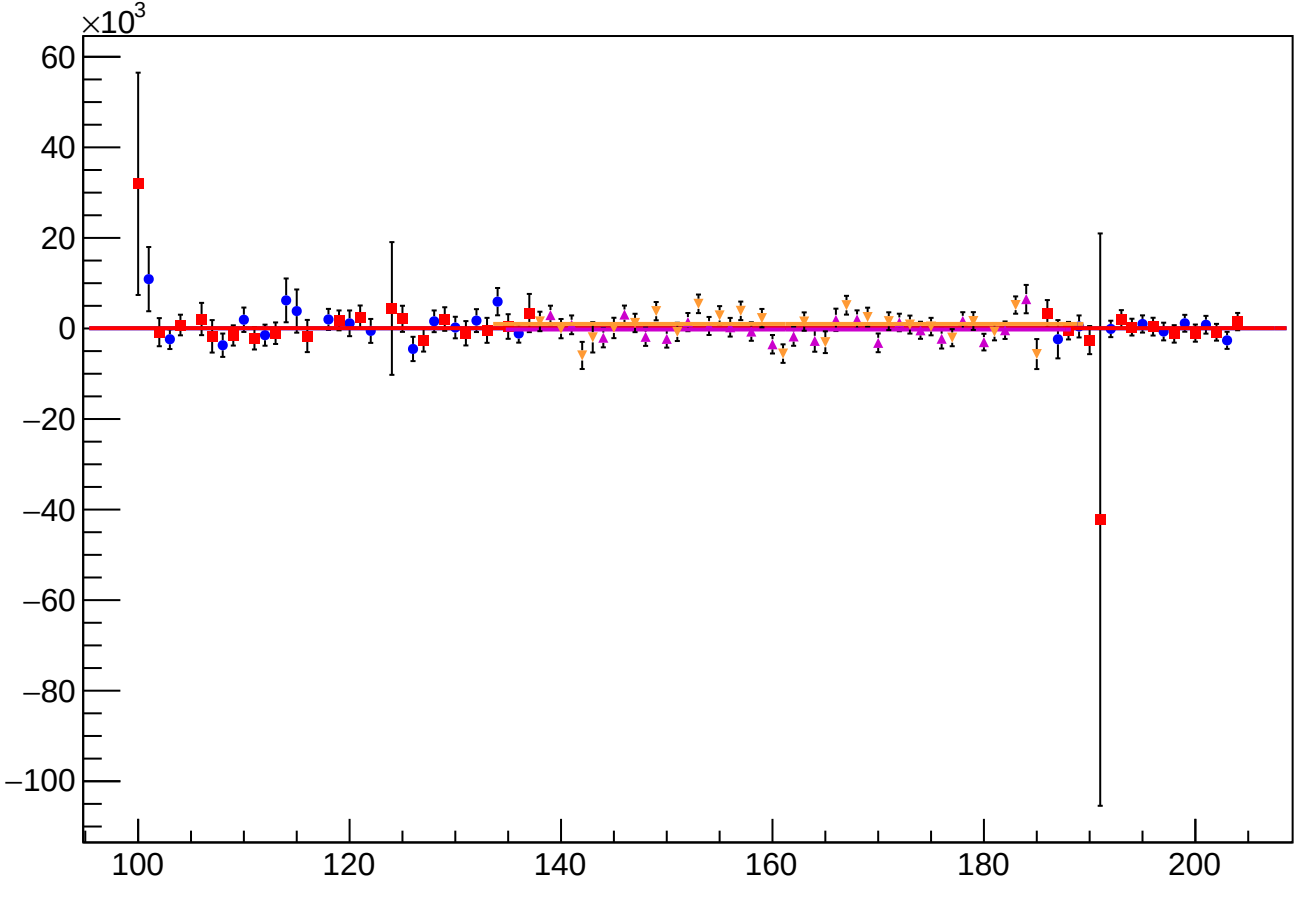
Right: 1411.797+/-0.278 χ^2/NDF: 30975610.3/53

In: 3698.382+/-0.481 χ^2/NDF:3609184.3/46

Out: 946.070+/-0.203 χ^2/NDF:46854327.7/54

All: 1360.964+/-0.187 χ^2/NDF: 78278165.8/1

cor_asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: 36.496+/-491.202 χ^2/NDF: 20.9/23

Left Out: 1004.123+/-422.582 χ^2/NDF:47.4/24

Right Out: 67.637+/-460.466 χ^2/NDF: 13.9/29

Left In: -229.236+/-429.699 χ^2/NDF:26.4/22

Left: 397.741+/-301.295 χ^2/NDF: 77.9/47

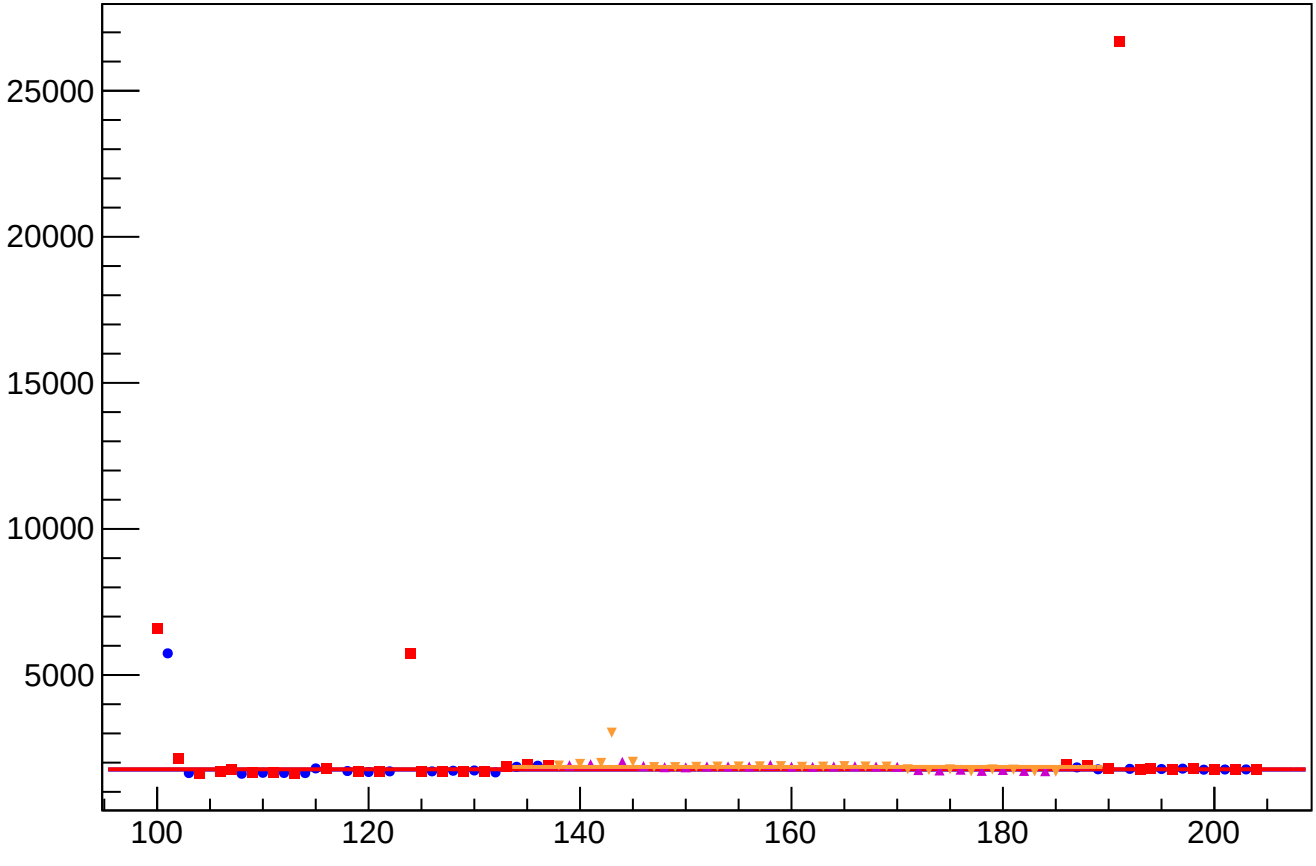
Right: 53.071+/-335.939 χ^2/NDF: 34.8/53

In: -114.039+/-323.415 χ^2/NDF:47.5/46

Out: 575.983+/-311.344 χ^2/NDF:63.5/54

All: 244.089+/-224.299 χ^2/NDF: 113.3/101

cor_asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 1762.433+/-0.347 χ^2/NDF: 672083.4/23

Left Out: 1852.534+/-0.299 χ^2/NDF:321038.9/24

Right Out: 1772.122+/-0.325 χ^2/NDF: 629883.8/29

Left In: 1838.528+/-0.304 χ^2/NDF:68478.0/22

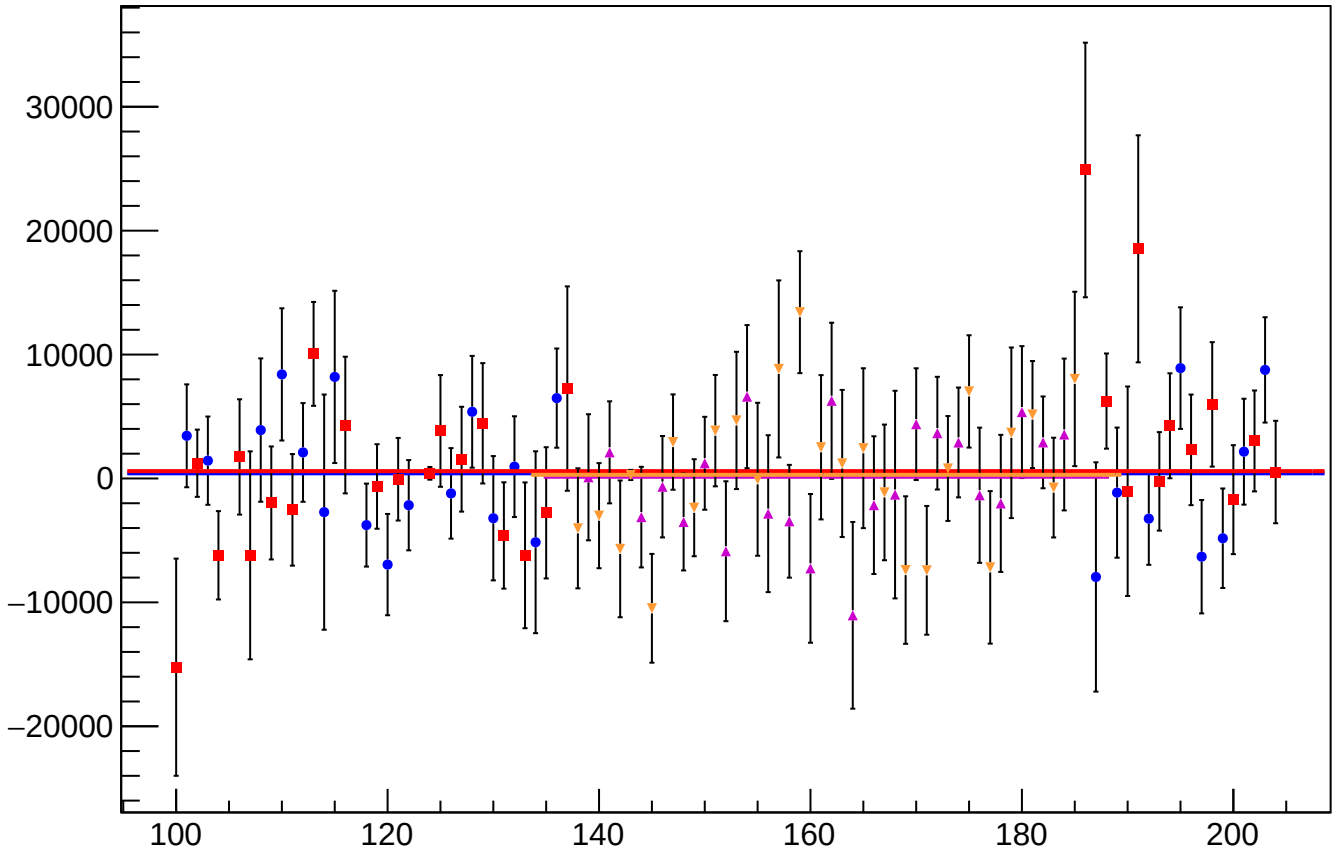
Left: 1845.648+/-0.213 χ^2/NDF: 390597.1/47

Right: 1767.599+/-0.237 χ^2/NDF: 1302382.0/53

In: 1805.540+/-0.229 χ^2/NDF:767751.9/46

Out: 1815.697+/-0.220 χ^2/NDF:984097.5/54

All: 1810.816+/-0.159 χ^2/NDF: 1752874.2/10



Right In: 414.616+/-909.963 χ^2/NDF: 27.6/23

Left Out: 295.308+/-379.951 χ^2/NDF:30.0/24

Right Out: 592.534+/-437.192 χ^2/NDF: 33.7/29

Left In: 138.272+/-1022.940 χ^2/NDF:13.9/22

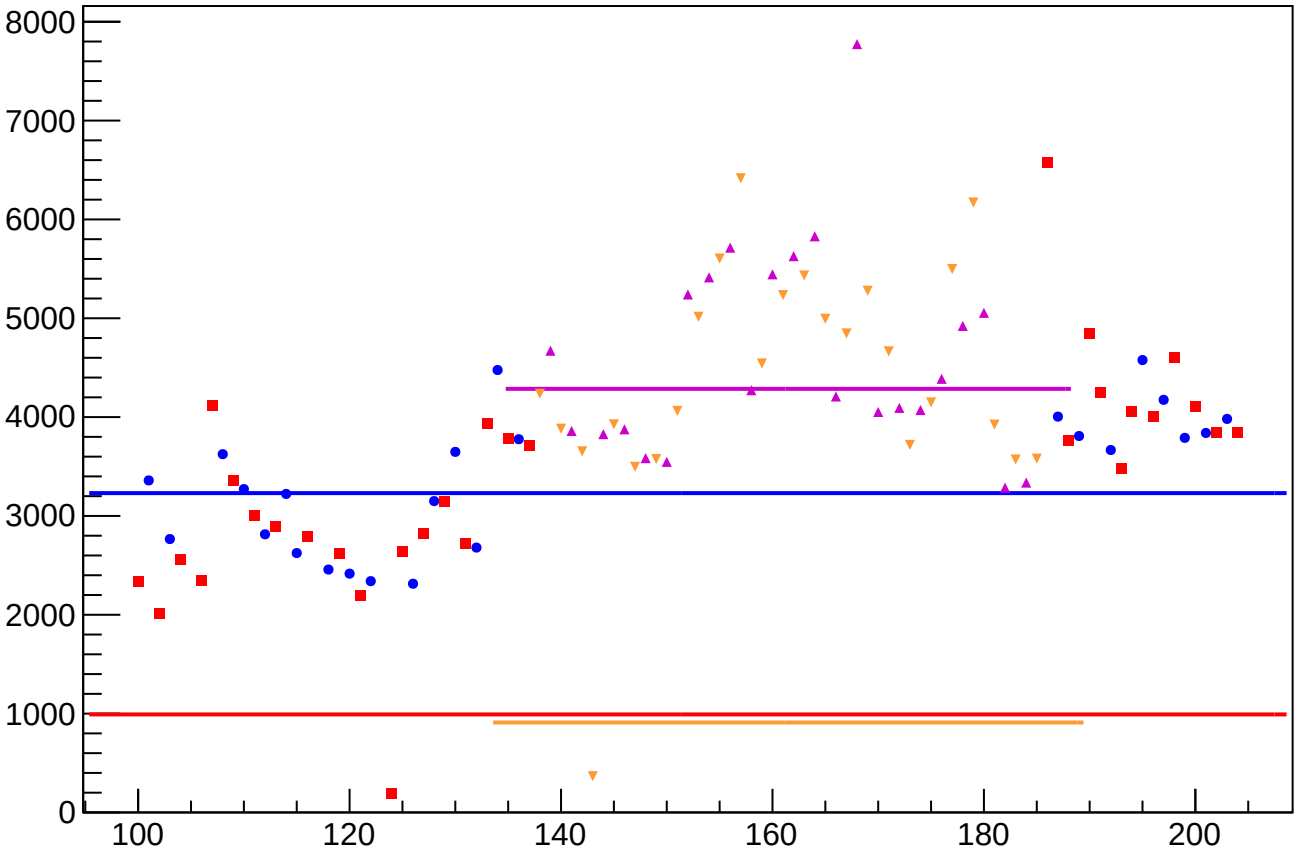
Left: 276.270+/-356.175 χ^2/NDF: 43.9/47

Right: 559.167+/-394.069 χ^2/NDF: 61.4/53

In: 292.541+/-679.890 χ^2/NDF:41.6/46

Out: 423.202+/-286.783 χ^2/NDF:64.0/54

All: 403.466+/-264.238 χ^2/NDF: 105.6/101



Right In: 3230.995+/-0.643 χ^2/NDF: 1102903.8/23

Left Out: 910.253+/-0.269 χ^2/NDF:26772969.1/24

Right Out: 991.810+/-0.309 χ^2/NDF: 20009896.1/29

Left In: 4285.828+/-0.723 χ^2/NDF:1327963.4/22

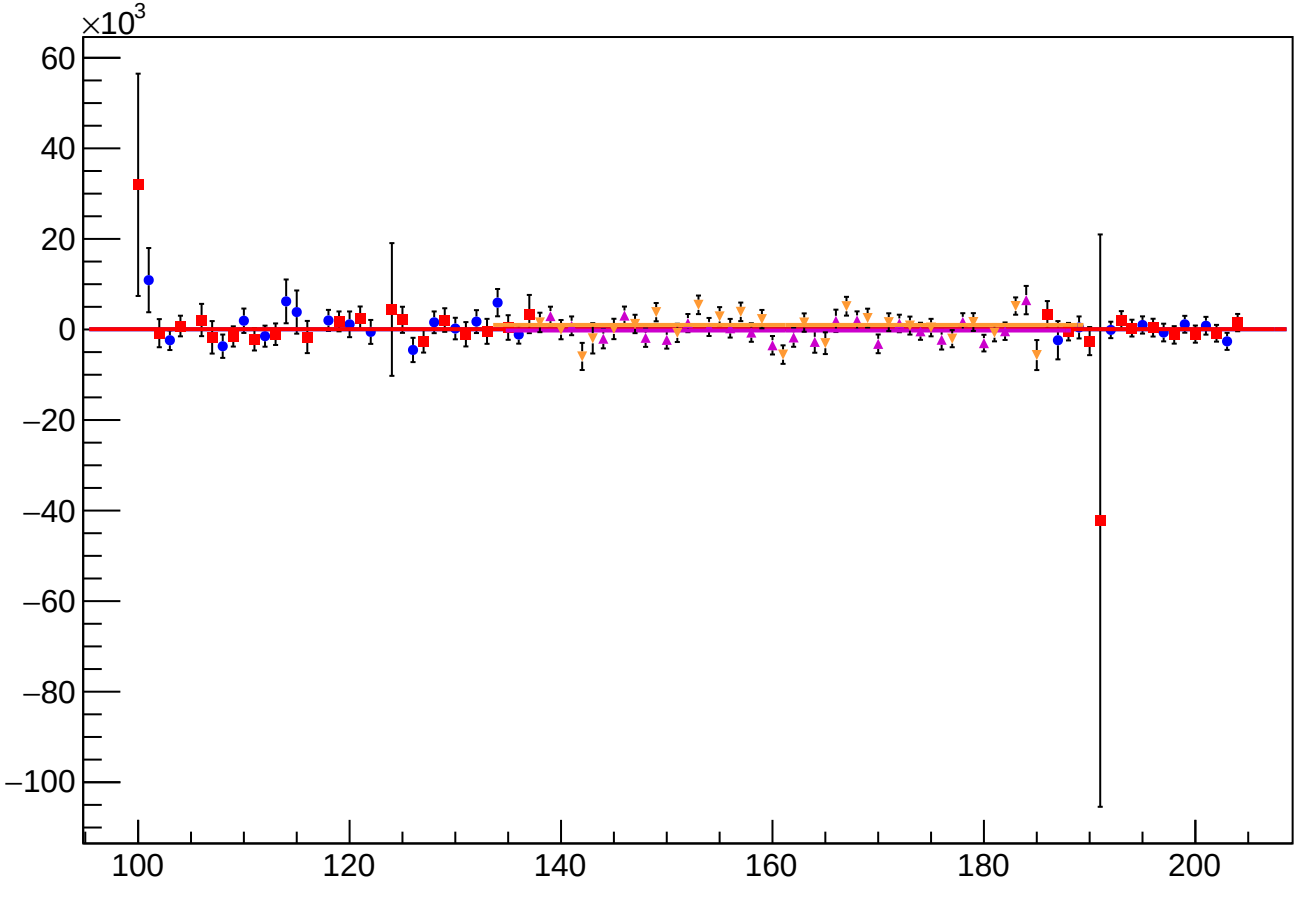
Left: 1319.491+/-0.252 χ^2/NDF: 47238971.3/47

Right: 1411.750+/-0.279 χ^2/NDF: 30952090.4/53

In: 3696.967+/-0.481 χ^2/NDF:3618071.1/46

Out: 945.346+/-0.203 χ^2/NDF:46822516.0/54

All: 1360.972+/-0.187 χ^2/NDF: 78251396.2/1



Right In: 36.496+/-491.202 χ^2/NDF: 20.9/23

Left Out: 1004.123+/-422.582 χ^2/NDF:47.4/24

Right Out: 67.637+/-460.466 χ^2/NDF: 13.9/29

Left In: -229.236+/-429.699 χ^2/NDF:26.4/22

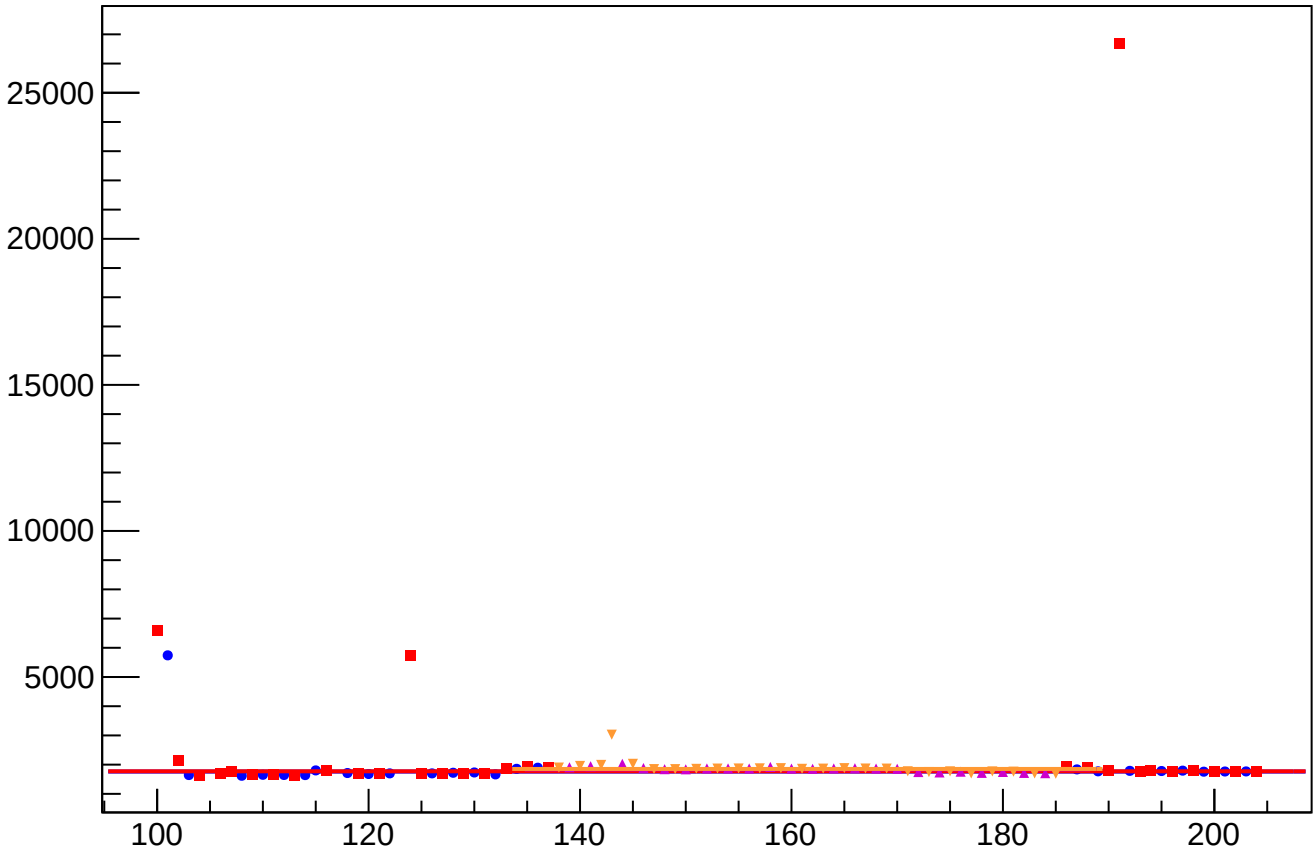
Left: 397.741+/-301.295 χ^2/NDF: 77.9/47

Right: 53.071+/-335.939 χ^2/NDF: 34.8/53

In: -114.039+/-323.415 χ^2/NDF:47.5/46

Out: 575.983+/-311.344 χ^2/NDF:63.5/54

All: 244.089+/-224.299 χ^2/NDF: 113.3/101



Right In: 1762.433+/-0.347 χ^2/NDF: 672083.4/23

Left Out: 1852.534+/-0.299 χ^2/NDF:321038.9/24

Right Out: 1772.122+/-0.325 χ^2/NDF: 629883.8/29

Left In: 1838.528+/-0.304 χ^2/NDF:68478.0/22

Left: 1845.648+/-0.213 χ^2/NDF: 390597.1/47

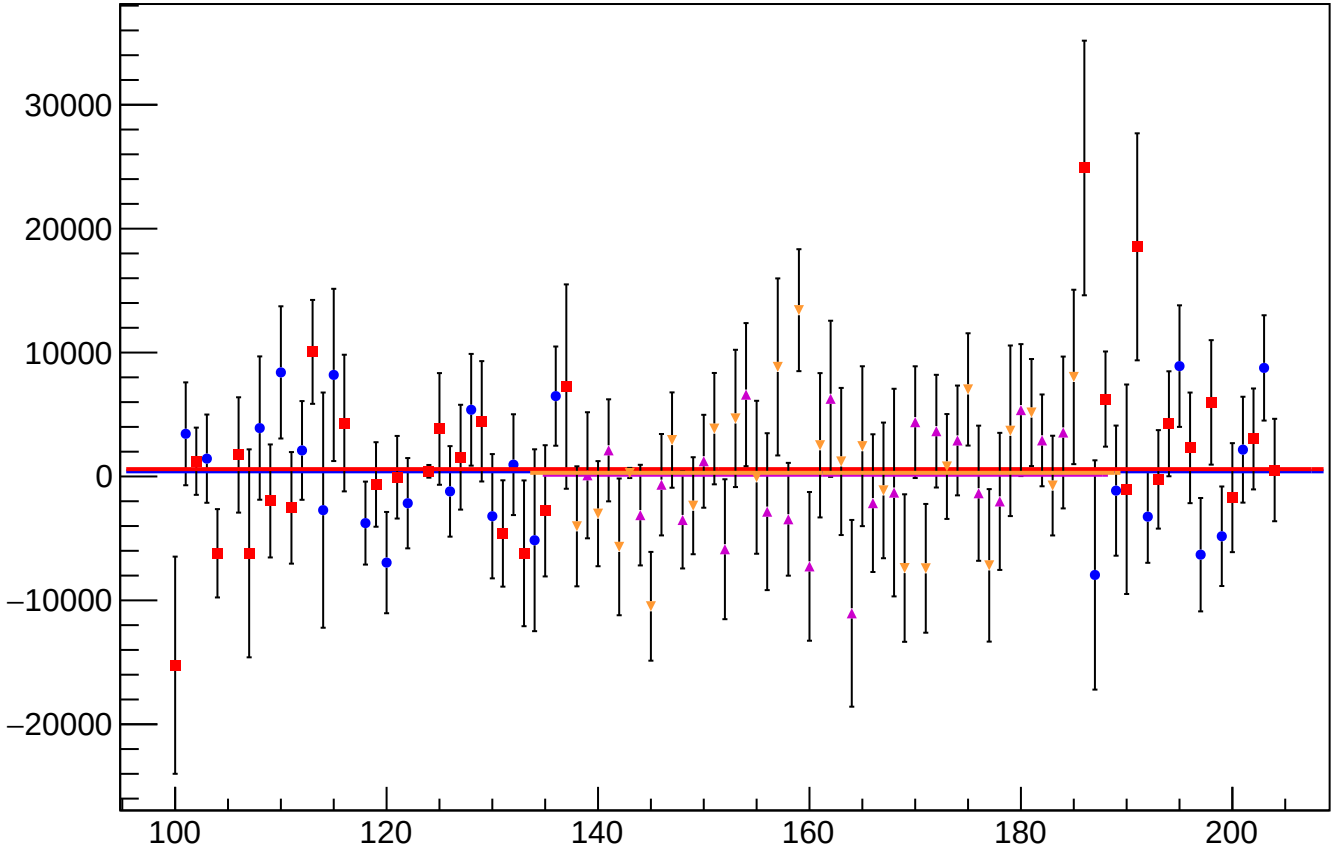
Right: 1767.599+/-0.237 χ^2/NDF: 1302382.0/53

In: 1805.540+/-0.229 χ^2/NDF:767751.9/46

Out: 1815.697+/-0.220 χ^2/NDF:984097.5/54

All: 1810.816+/-0.159 χ^2/NDF: 1752874.2/10

asym_atr1l2_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 414.616+/-909.963 χ^2/NDF: 27.6/23

Left Out: 295.308+/-379.951 χ^2/NDF:30.0/24

Right Out: 592.534+/-437.192 χ^2/NDF: 33.7/29

Left In: 138.272+/-1022.940 χ^2/NDF:13.9/22

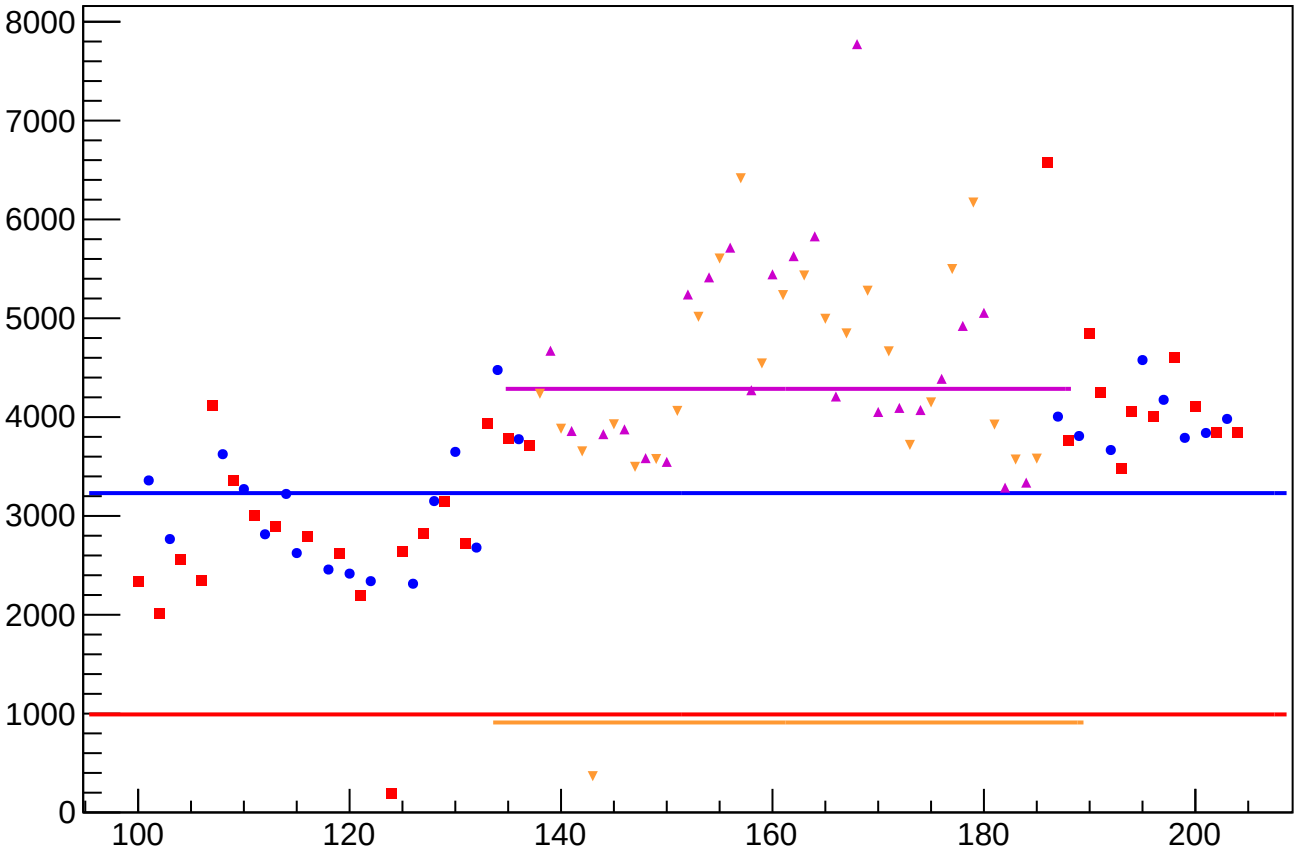
Left: 276.270+/-356.175 χ^2/NDF: 43.9/47

Right: 559.167+/-394.069 χ^2/NDF: 61.4/53

In: 292.541+/-679.890 χ^2/NDF:41.6/46

Out: 423.202+/-286.783 χ^2/NDF:64.0/54

All: 403.466+/-264.238 χ^2/NDF: 105.6/101



Right In: 3230.995+/-0.643 χ^2/NDF: 1102903.8/23

Left Out: 910.253+/-0.269 χ^2/NDF:26772969.1/24

Right Out: 991.810+/-0.309 χ^2/NDF: 20009896.1/29

Left In: 4285.828+/-0.723 χ^2/NDF:1327963.4/22

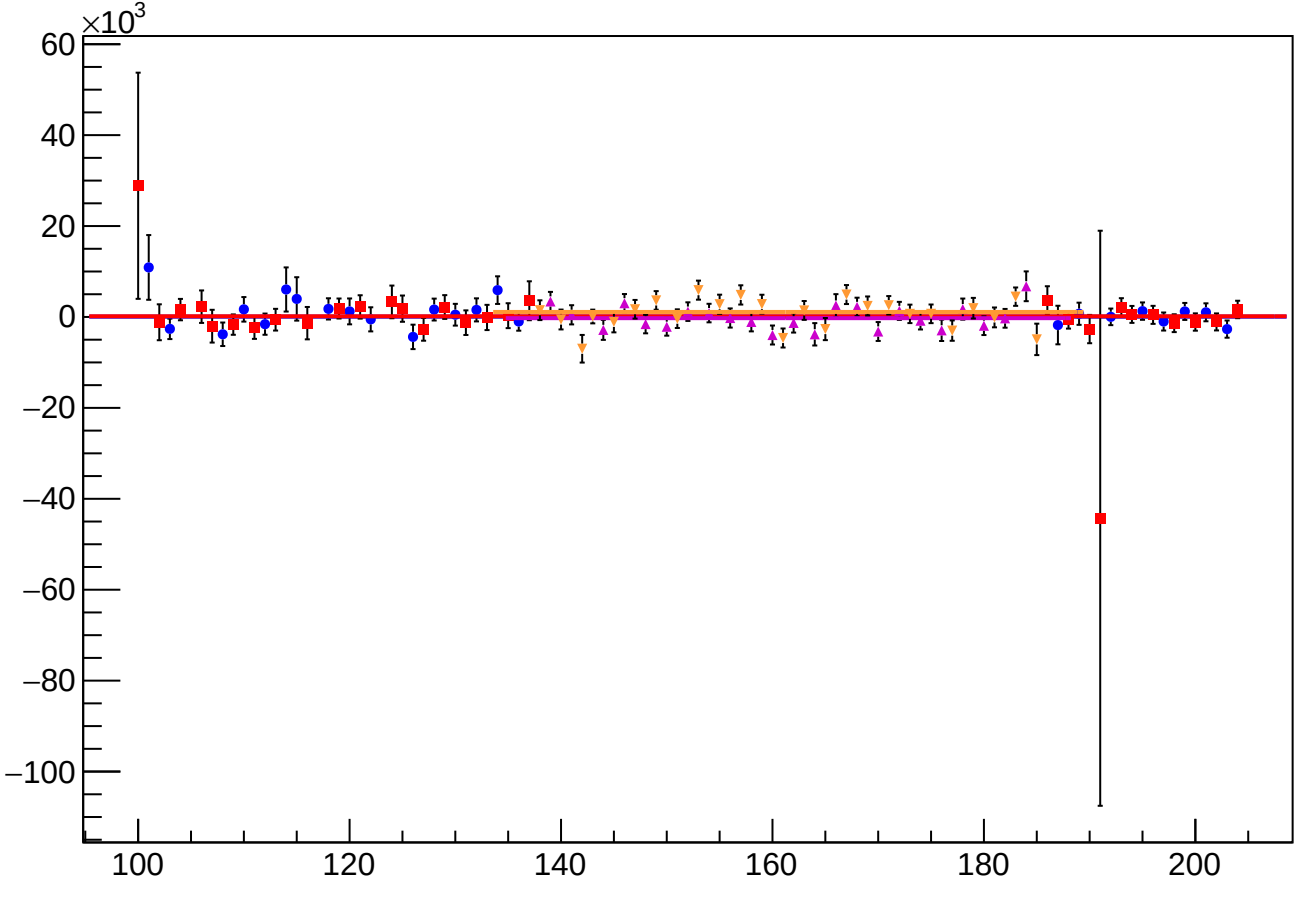
Left: 1319.491+/-0.252 χ^2/NDF: 47238971.3/47

Right: 1411.750+/-0.279 χ^2/NDF: 30952090.4/53

In: 3696.967+/-0.481 χ^2/NDF:3618071.1/46

Out: 945.346+/-0.203 χ^2/NDF:46822516.0/54

All: 1360.972+/-0.187 χ^2/NDF: 78251396.2/1



Right In: 70.269+/-494.485 χ^2/NDF: 20.9/23

Left Out: 1103.308+/-425.320 χ^2/NDF:44.8/24

Right Out: 148.098+/-461.718 χ^2/NDF: 15.7/29

Left In: -264.609+/-445.353 χ^2/NDF:27.7/22

Left: 450.807+/-307.585 χ^2/NDF: 77.4/47

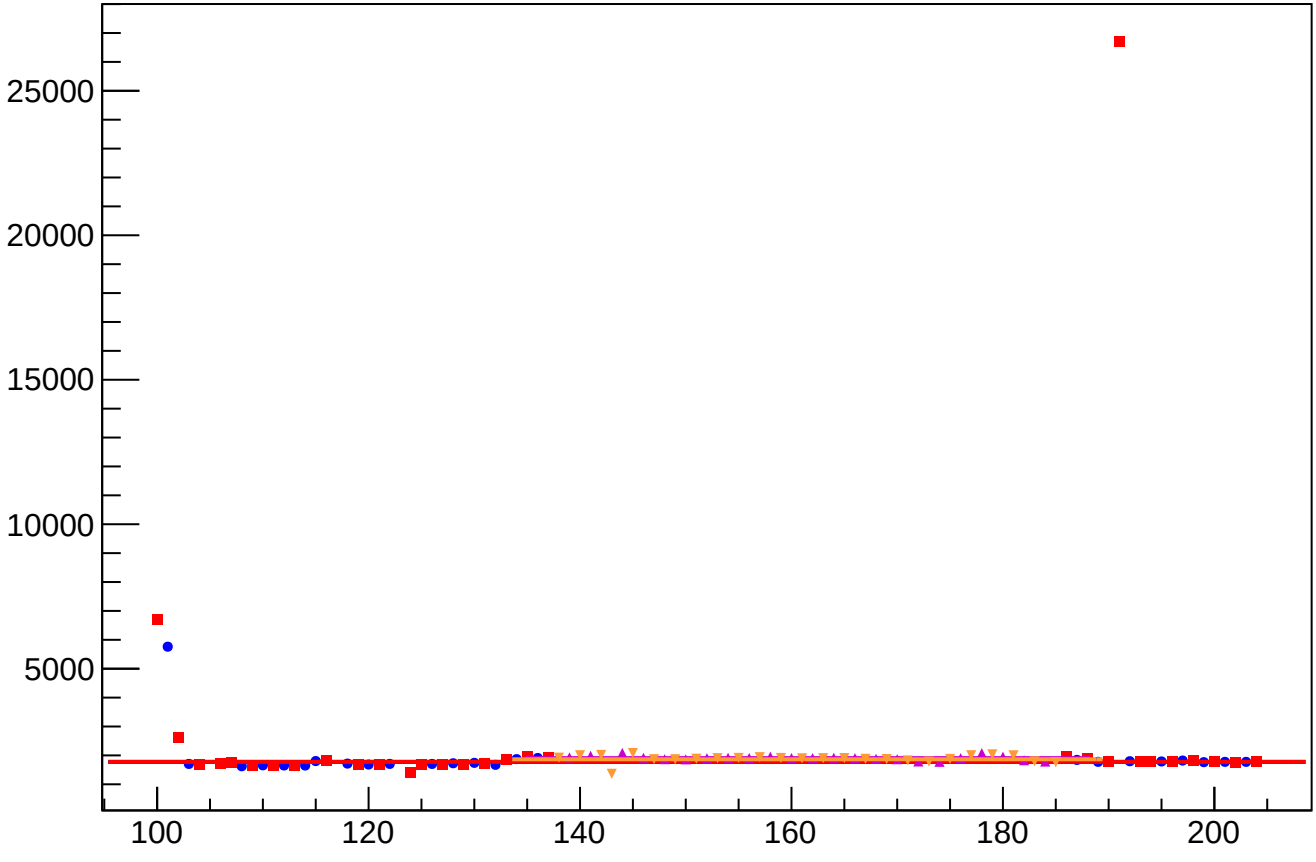
Right: 111.847+/-337.474 χ^2/NDF: 36.6/53

In: -114.629+/-330.923 χ^2/NDF:48.9/46

Out: 664.833+/-312.824 χ^2/NDF:62.8/54

All: 296.999+/-227.329 χ^2/NDF: 114.6/101

dit_asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 1774.232+/-0.350 χ^2/NDF: 670590.8/23

Left Out: 1864.841+/-0.301 χ^2/NDF:294712.1/24

Right Out: 1777.209+/-0.326 χ^2/NDF: 561704.3/29

Left In: 1905.628+/-0.315 χ^2/NDF:52781.7/22

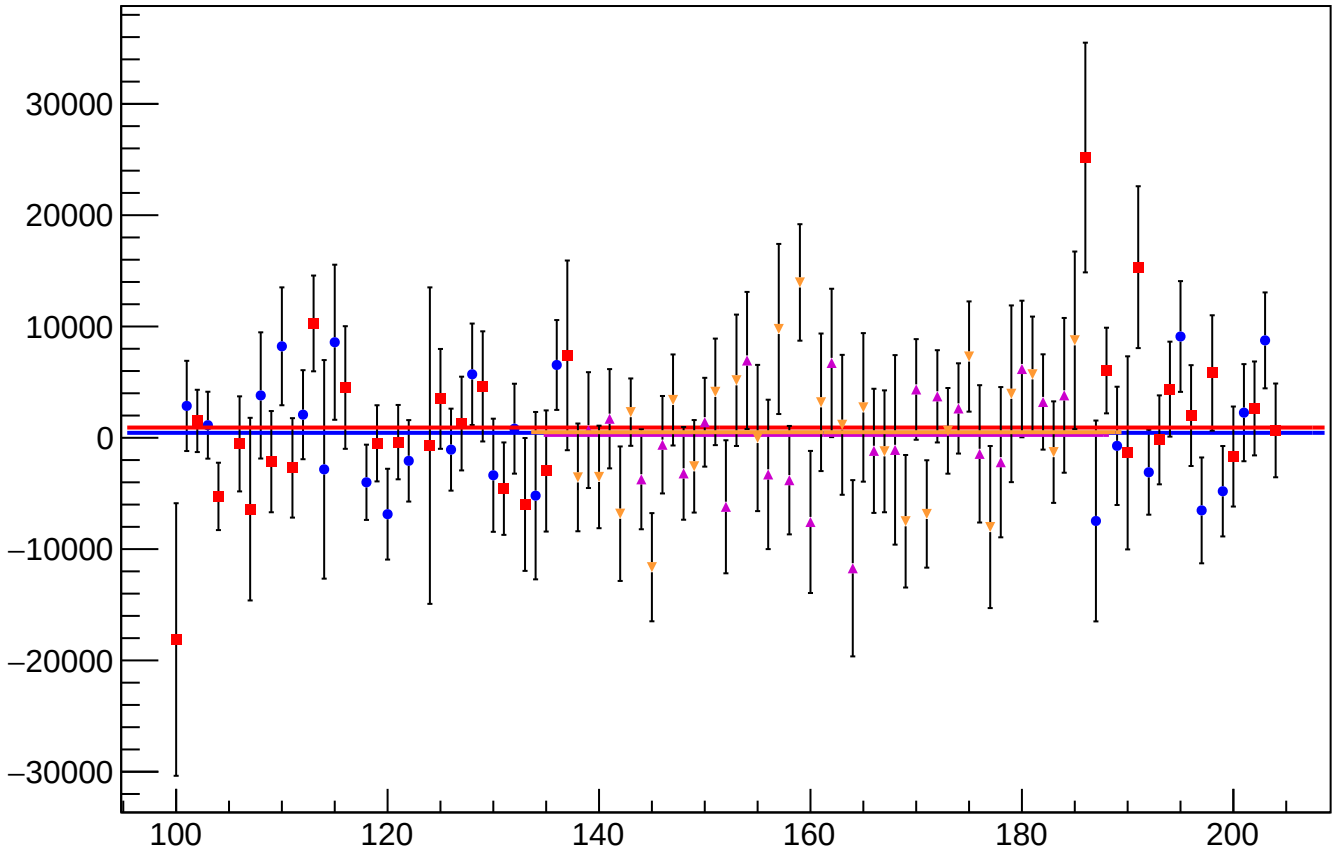
Left: 1884.296+/-0.217 χ^2/NDF: 356267.0/47

Right: 1775.825+/-0.238 χ^2/NDF: 1232333.9/53

In: 1846.780+/-0.234 χ^2/NDF:801342.5/46

Out: 1824.552+/-0.221 χ^2/NDF:895450.1/54

All: 1835.034+/-0.161 χ^2/NDF: 1701560.8/10



Right In: 446.277+/-904.219 χ^2/NDF: 27.3/23

Left Out: 504.261+/-1021.684 χ^2/NDF:30.1/24

Right Out: 921.750+/-835.069 χ^2/NDF: 32.7/29

Left In: 261.050+/-1081.402 χ^2/NDF:13.6/22

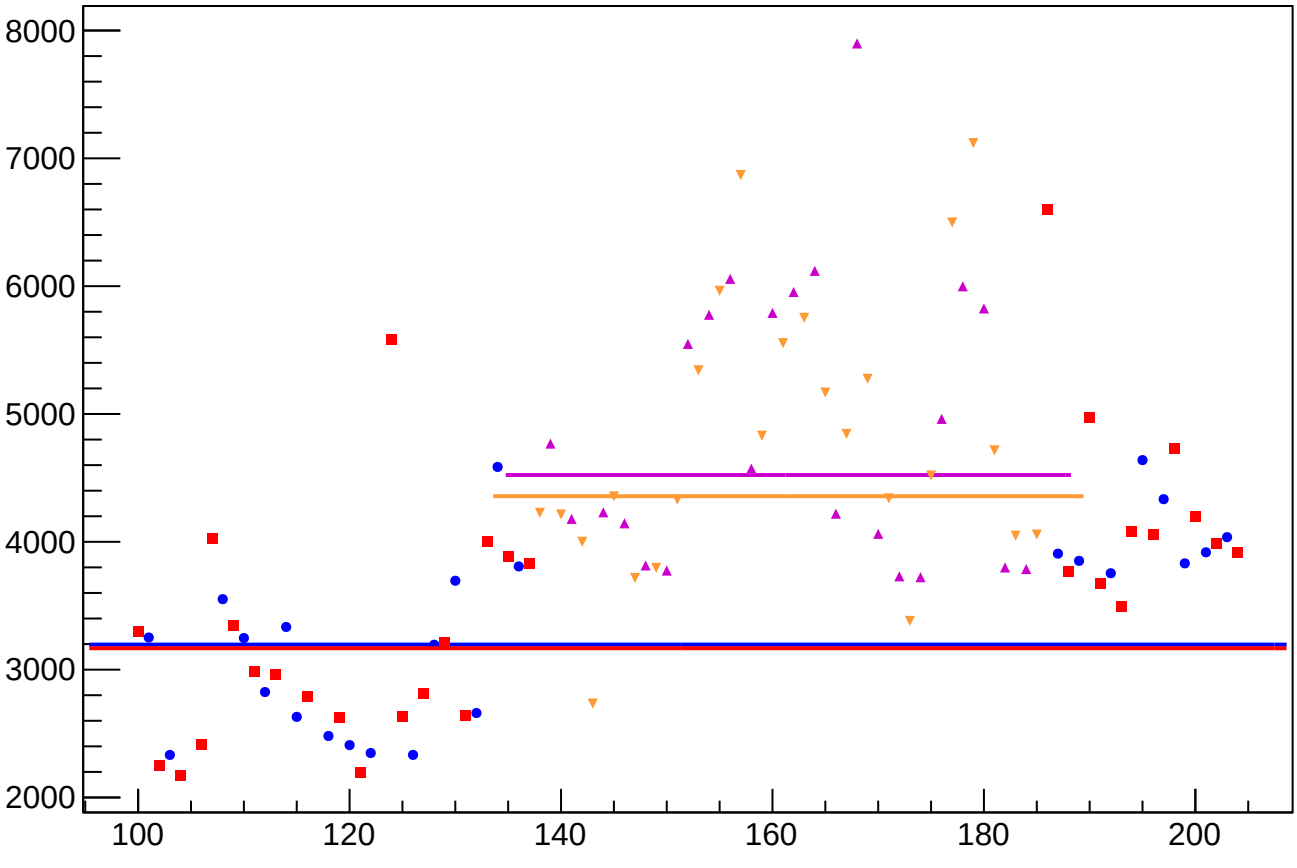
Left: 389.556+/-742.654 χ^2/NDF: 43.7/47

Right: 702.888+/-613.474 χ^2/NDF: 60.2/53

In: 370.062+/-693.677 χ^2/NDF:40.9/46

Out: 754.546+/-646.573 χ^2/NDF:62.9/54

All: 575.800+/-472.972 χ^2/NDF: 104.0/101



Right In: 3195.860+/-0.639 χ^2/NDF: 1301989.7/23

Left Out: 4356.643+/-0.722 χ^2/NDF:1912322.9/24

Right Out: 3167.668+/-0.590 χ^2/NDF: 1949601.1/29

Left In: 4522.787+/-0.765 χ^2/NDF:1434008.9/22

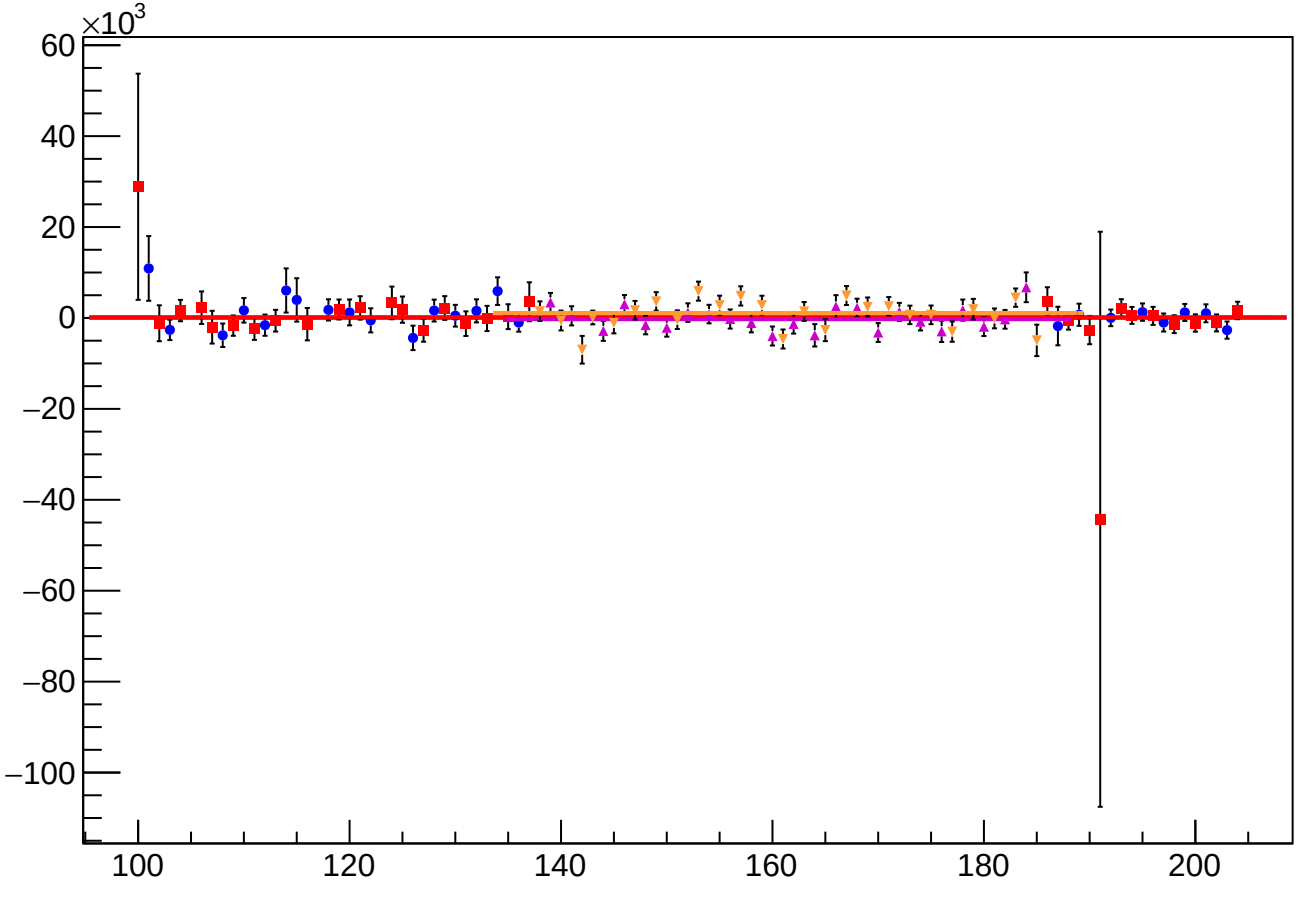
Left: 4435.001+/-0.525 χ^2/NDF: 3371275.6/47

Right: 3180.645+/-0.434 χ^2/NDF: 3252640.1/53

In: 3741.853+/-0.491 χ^2/NDF:4508215.7/46

Out: 3643.852+/-0.457 χ^2/NDF:5485723.2/54

All: 3689.412+/-0.334 χ^2/NDF: 10015299.8/1



Right In: 70.272+/-494.485 χ^2/NDF: 20.9/23

Left Out: 1103.310+/-425.321 χ^2/NDF:44.8/24

Right Out: 148.095+/-461.718 χ^2/NDF: 15.7/29

Left In: -264.609+/-445.354 χ^2/NDF:27.7/22

Left: 450.808+/-307.585 χ^2/NDF: 77.4/47

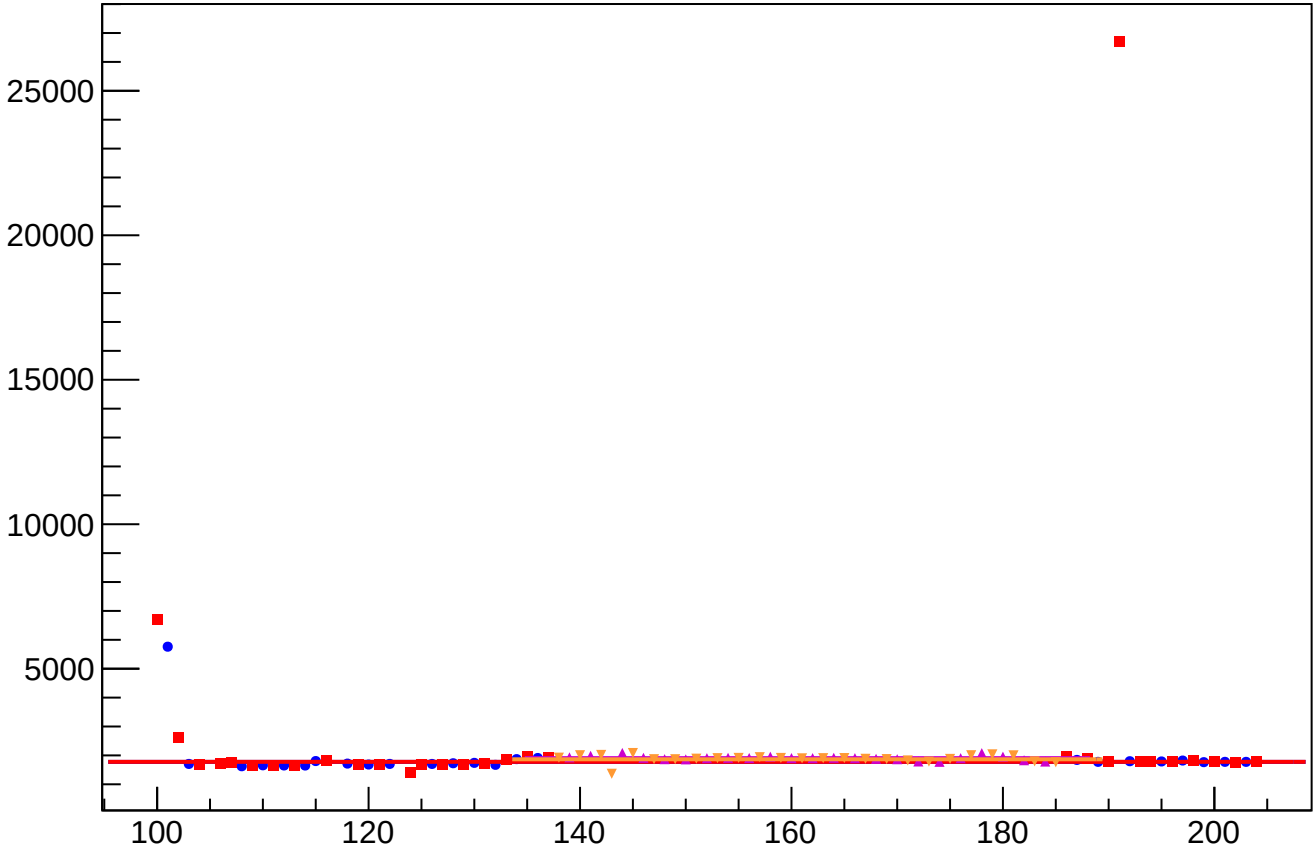
Right: 111.847+/-337.474 χ^2/NDF: 36.6/53

In: -114.627+/-330.923 χ^2/NDF:48.9/46

Out: 664.832+/-312.824 χ^2/NDF:62.8/54

All: 296.999+/-227.329 χ^2/NDF: 114.6/101

eigen_dit_asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 1774.233+/-0.350 χ^2/NDF: 670590.9/23

Left Out: 1864.842+/-0.301 χ^2/NDF:294715.4/24

Right Out: 1777.209+/-0.326 χ^2/NDF: 561704.3/29

Left In: 1905.629+/-0.315 χ^2/NDF:52783.9/22

Left: 1884.297+/-0.217 χ^2/NDF: 356272.6/47

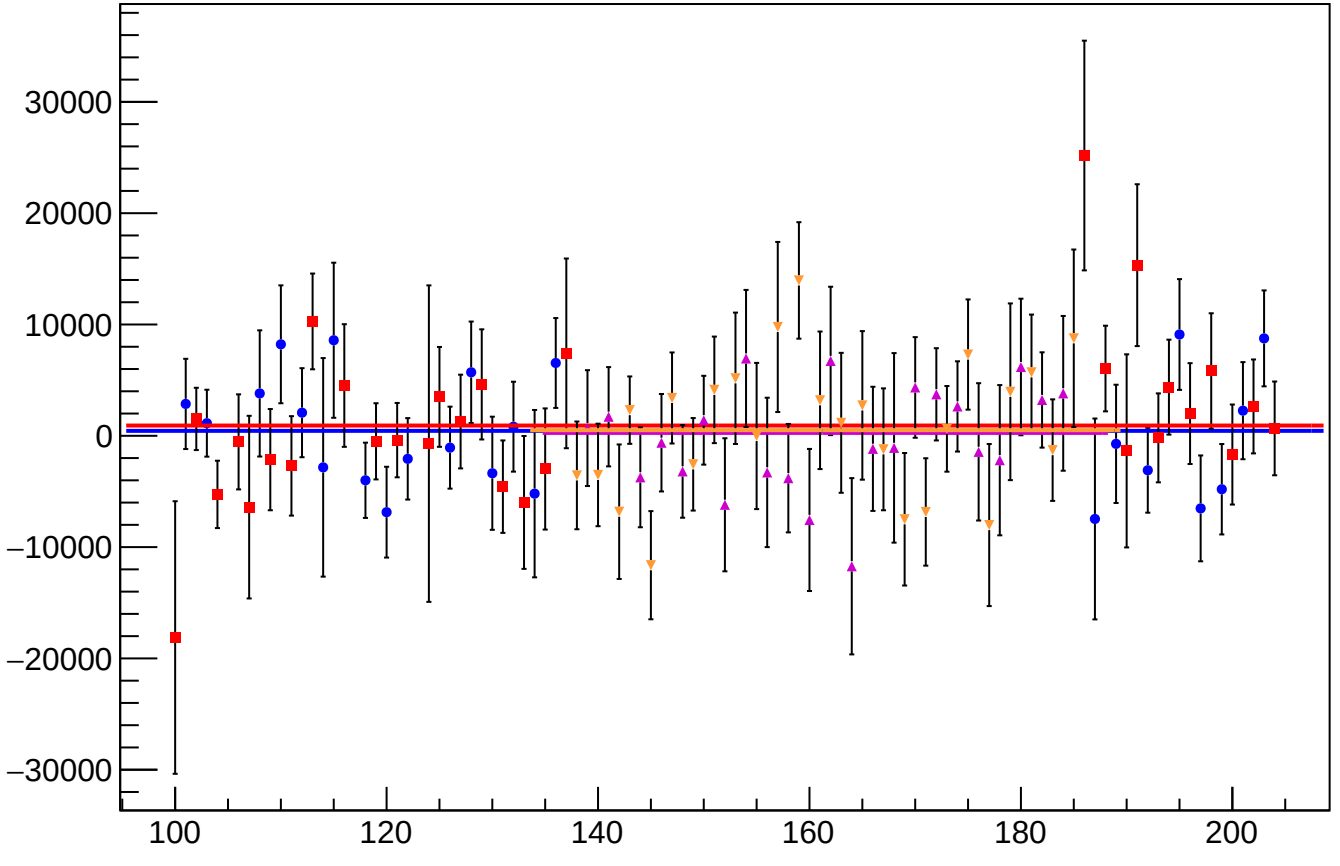
Right: 1775.825+/-0.238 χ^2/NDF: 1232334.0/53

In: 1846.781+/-0.234 χ^2/NDF:801345.9/46

Out: 1824.553+/-0.221 χ^2/NDF:895454.3/54

All: 1835.035+/-0.161 χ^2/NDF: 1701568.5/10

asym_atr1l2_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 446.272+/-904.217 χ^2/NDF: 27.3/23

Left Out: 504.265+/-1021.686 χ^2/NDF:30.1/24

Right Out: 921.747+/-835.068 χ^2/NDF: 32.7/29

Left In: 261.051+/-1081.404 χ^2/NDF:13.6/22

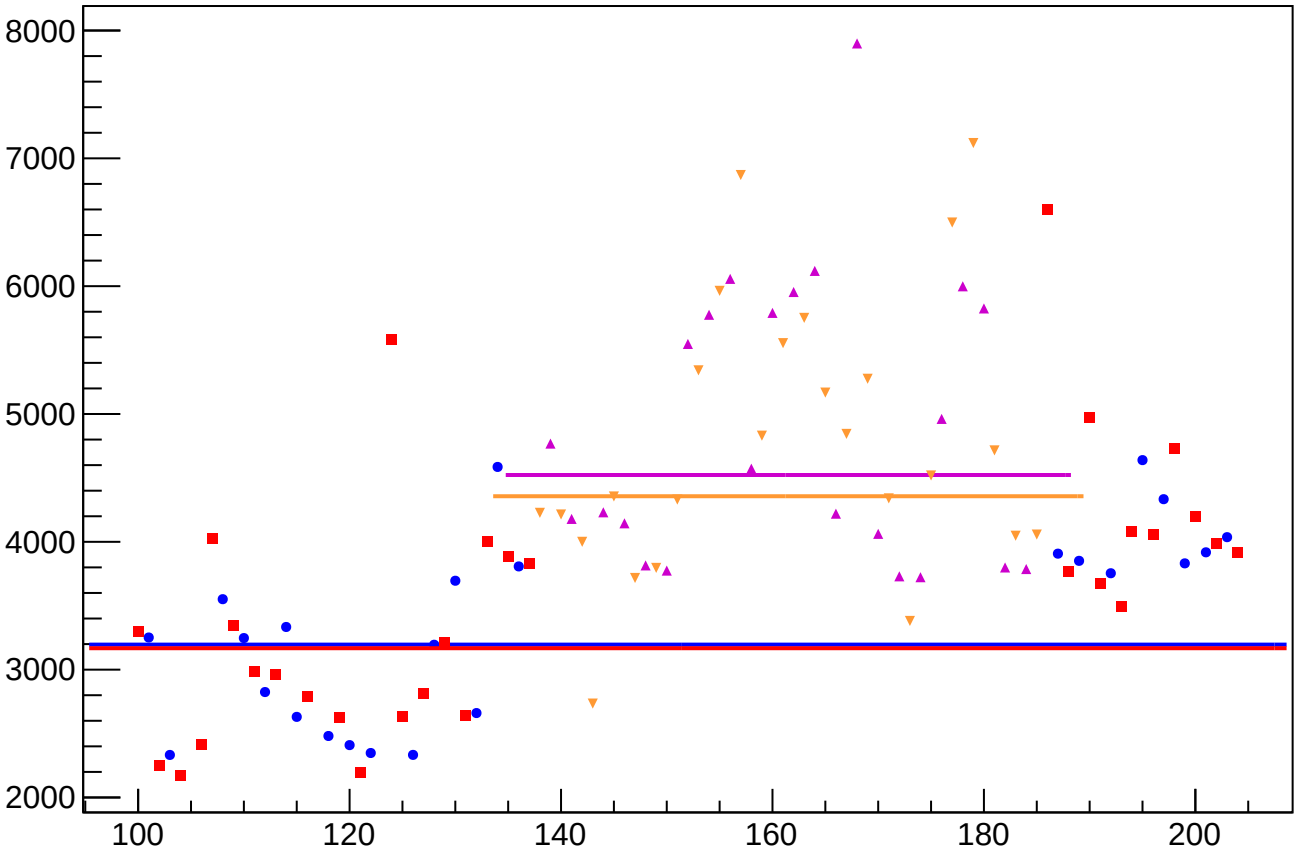
Left: 389.559+/-742.655 χ^2/NDF: 43.7/47

Right: 702.884+/-613.474 χ^2/NDF: 60.2/53

In: 370.059+/-693.677 χ^2/NDF:40.9/46

Out: 754.547+/-646.573 χ^2/NDF:62.9/54

All: 575.799+/-472.972 χ^2/NDF: 104.0/101



Right In: 3195.854+/-0.639 χ^2/NDF: 1302009.8/23

Left Out: 4356.650+/-0.722 χ^2/NDF:1912327.4/24

Right Out: 3167.665+/-0.590 χ^2/NDF: 1949613.5/29

Left In: 4522.795+/-0.765 χ^2/NDF:1434009.9/22

Left: 4435.009+/-0.525 χ^2/NDF: 3371281.4/47

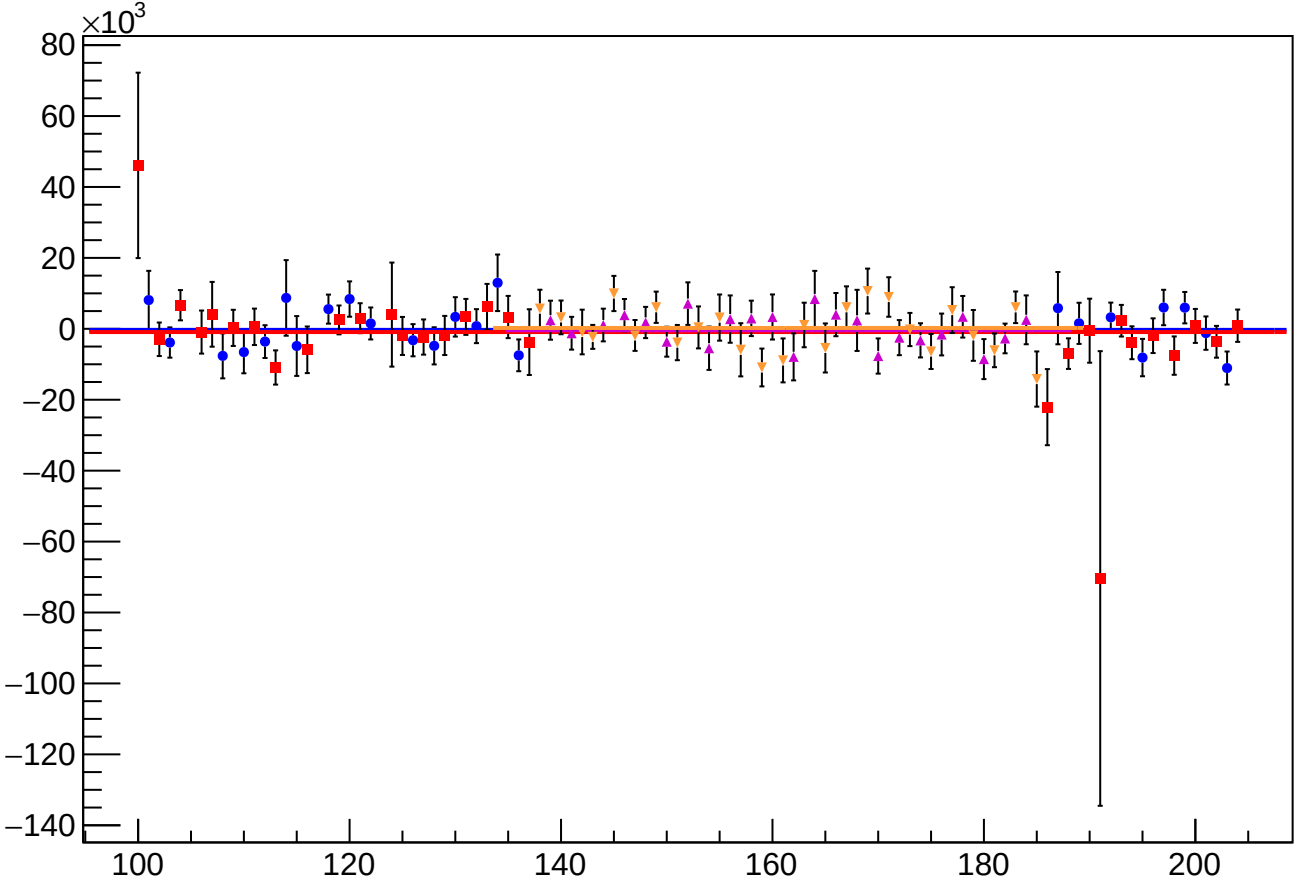
Right: 3180.641+/-0.434 χ^2/NDF: 3252672.4/53

In: 3741.851+/-0.491 χ^2/NDF:4508271.5/46

Out: 3643.851+/-0.457 χ^2/NDF:5485767.0/54

All: 3689.411+/-0.334 χ^2/NDF: 10015398.8/1

asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: -296.645+/-1063.869 χ^2/NDF: 30.3/23

Left Out: 239.929+/-1064.647 χ^2/NDF:32.2/24

Right Out: -911.097+/-998.215 χ^2/NDF: 26.4/29

Left In: -397.881+/-1121.323 χ^2/NDF:14.2/22

Left: -62.451+/-772.078 χ^2/NDF: 46.6/47

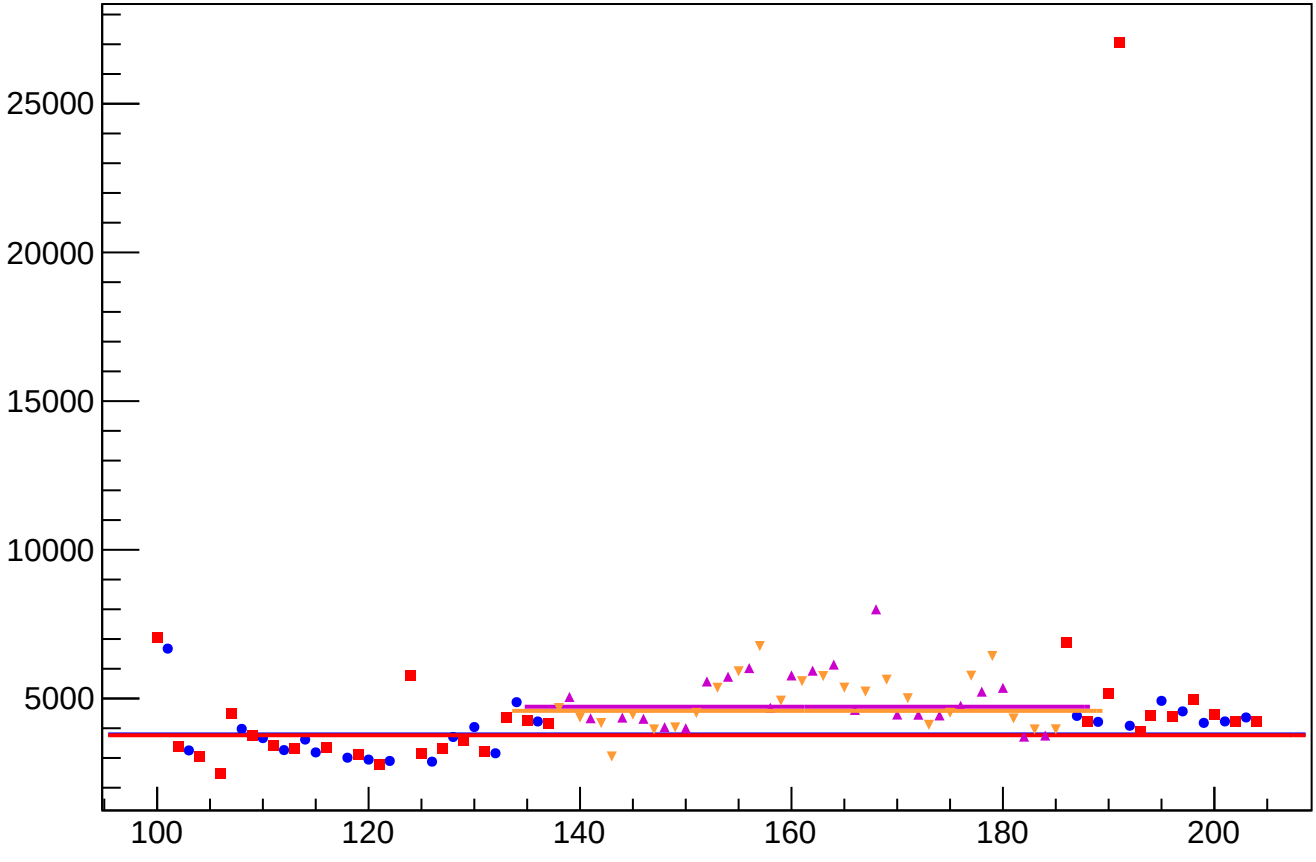
Right: -623.415+/-727.949 χ^2/NDF: 56.8/53

In: -344.603+/-771.781 χ^2/NDF:44.5/46

Out: -372.613+/-728.198 χ^2/NDF:59.2/54

All: -359.421+/-529.652 χ^2/NDF: 103.7/101

asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 3791.370+/-0.752 χ^2/NDF: 932530.8/23

Left Out: 4584.664+/-0.753 χ^2/NDF:1311720.7/24

Right Out: 3764.056+/-0.700 χ^2/NDF: 1361576.5/29

Left In: 4723.014+/-0.793 χ^2/NDF:1016613.0/22

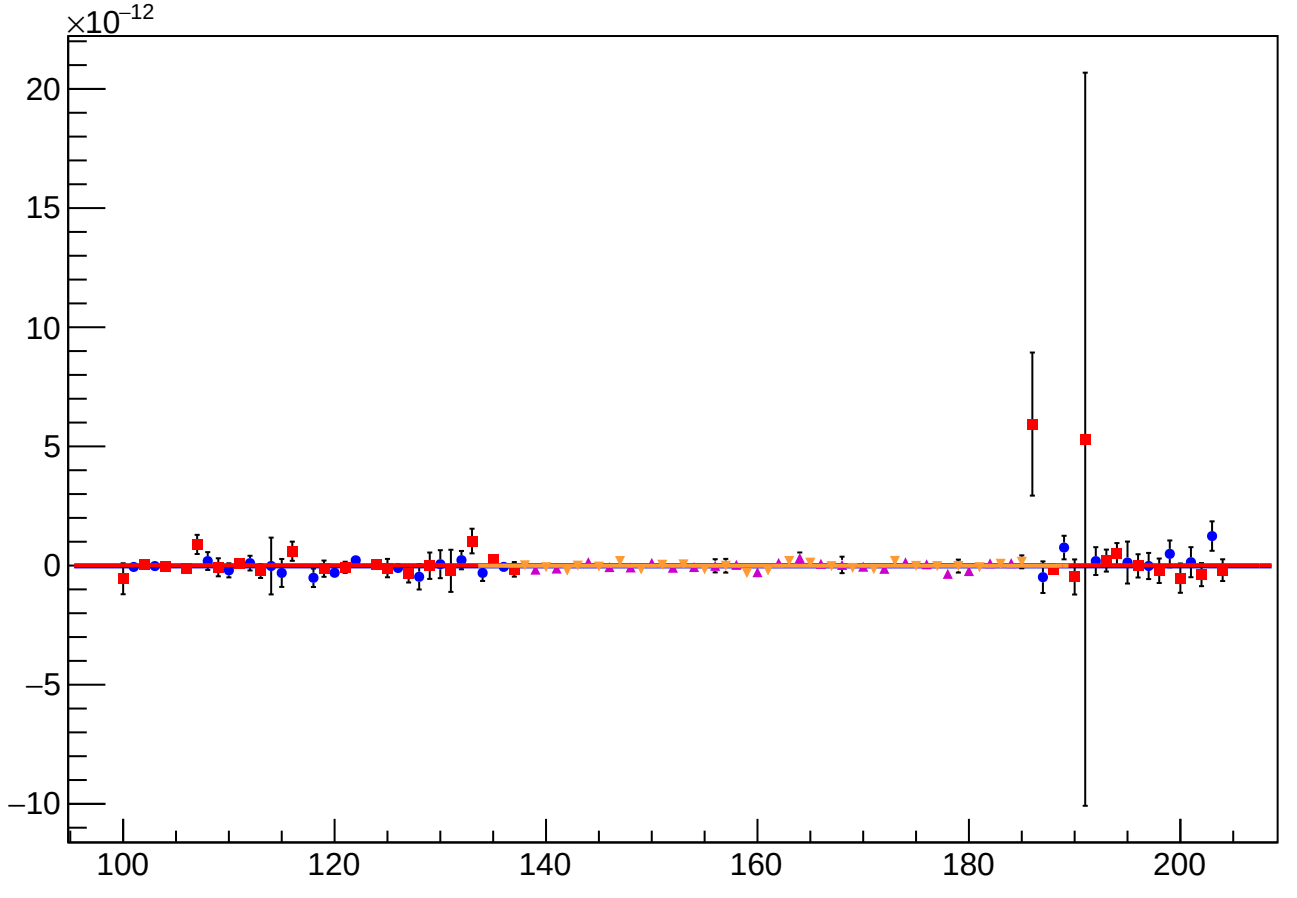
Left: 4650.254+/-0.546 χ^2/NDF: 2344345.5/47

Right: 3776.727+/-0.512 χ^2/NDF: 2294814.0/53

In: 4232.713+/-0.546 χ^2/NDF:2675720.0/46

Out: 4144.431+/-0.513 χ^2/NDF:3310733.3/54

All: 4185.806+/-0.374 χ^2/NDF: 6000357.8/10



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/23

Left Out: -0.000+/-0.000 χ^2/NDF:22.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 26.7/29

Left In: 0.000+/-0.000 χ^2/NDF:26.0/22

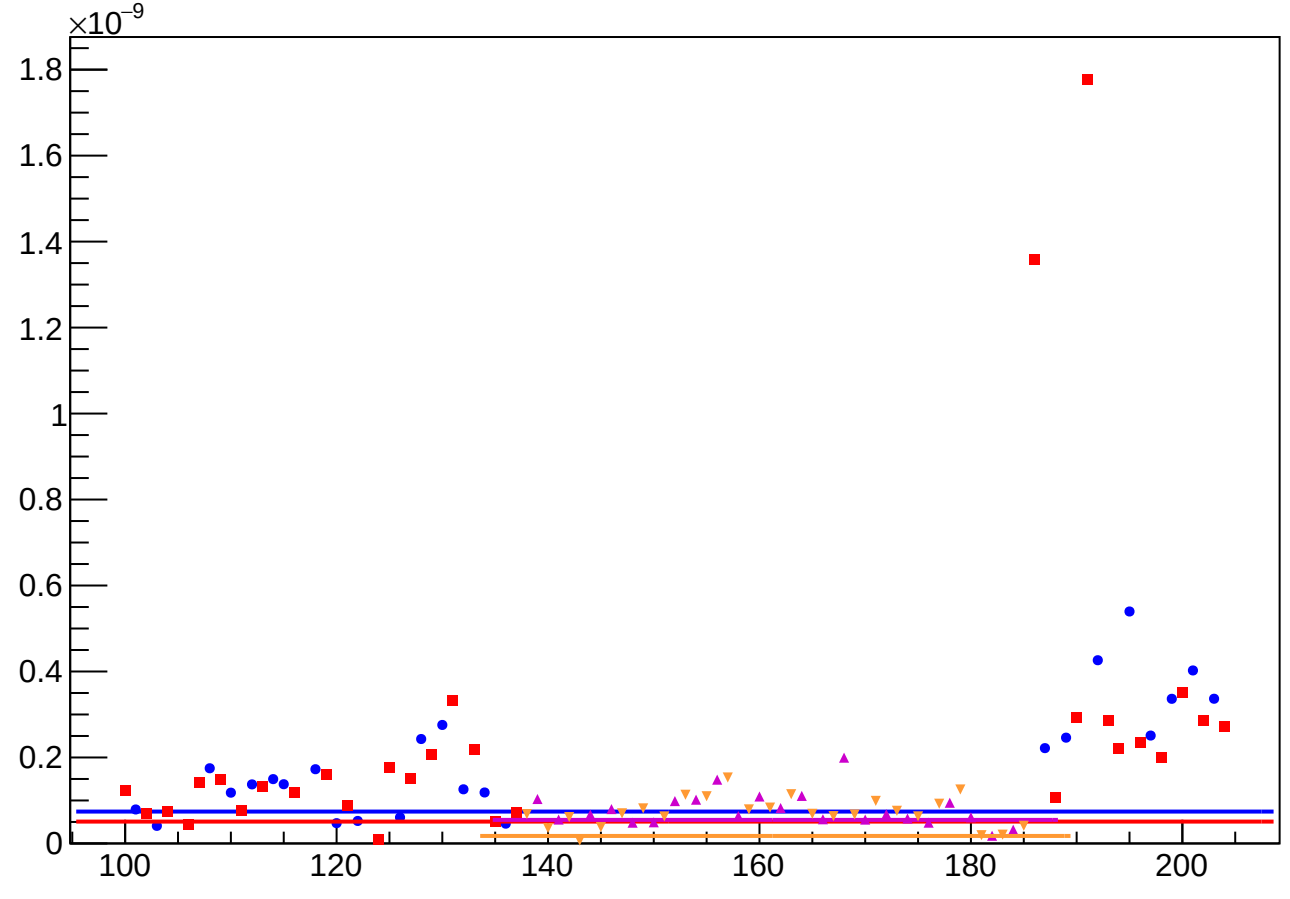
Left: -0.000+/-0.000 χ^2/NDF: 49.7/47

Right: -0.000+/-0.000 χ^2/NDF: 44.8/53

In: 0.000+/-0.000 χ^2/NDF:44.3/46

Out: -0.000+/-0.000 χ^2/NDF:50.0/54

All: -0.000+/-0.000 χ^2/NDF: 94.5/101



Right In: 0.000+/-0.000 χ^2/NDF: 4727595.8/23

Left Out: 0.000+/-0.000 χ^2/NDF:8870606.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6777483.7/29

Left In: 0.000+/-0.000 χ^2/NDF:2798764.9/22

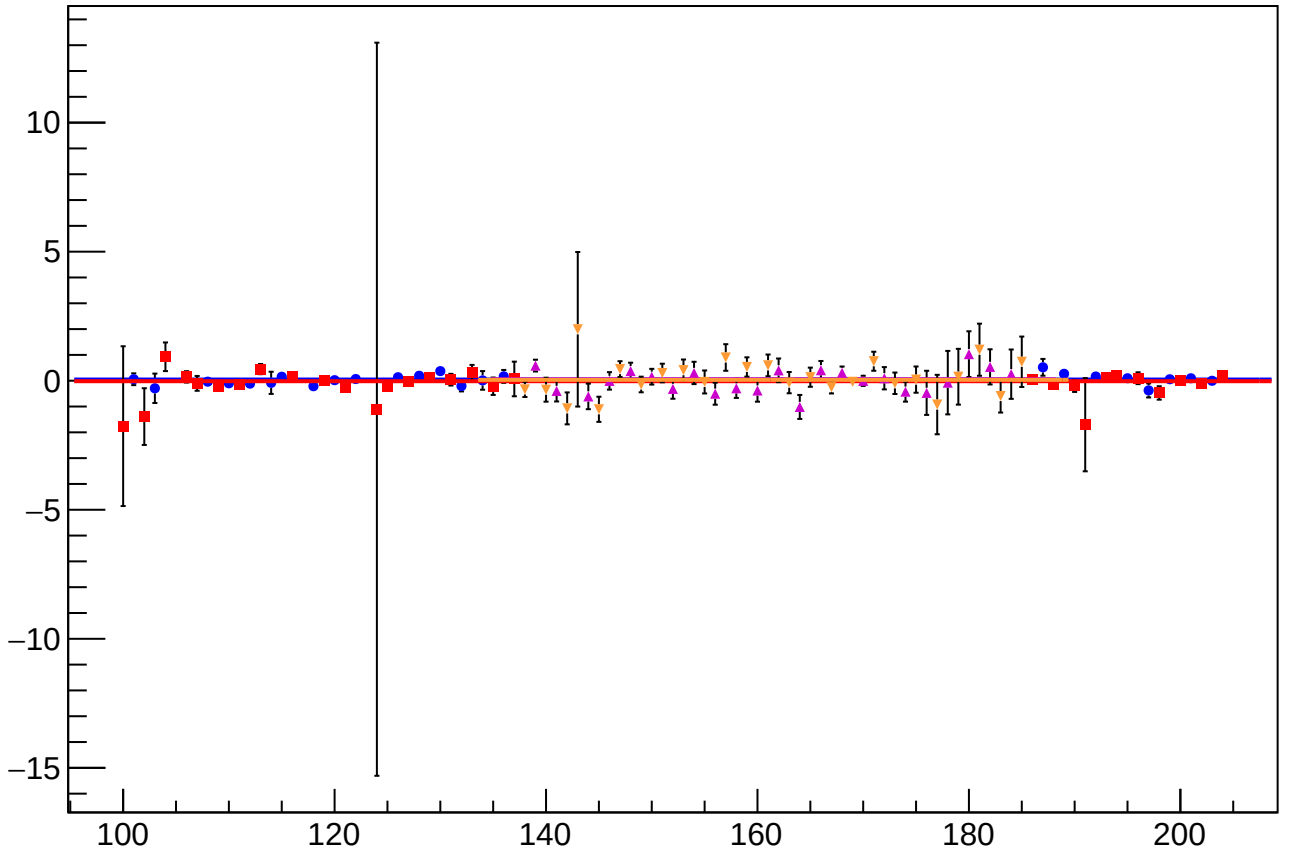
Left: 0.000+/-0.000 χ^2/NDF: 15661479.1/47

Right: 0.000+/-0.000 χ^2/NDF: 11857123.5/53

In: 0.000+/-0.000 χ^2/NDF:7831481.9/46

Out: 0.000+/-0.000 χ^2/NDF:17335083.4/54

All: 0.000+/-0.000 χ^2/NDF: 30533194.6/101



Right In: 0.046+/-0.039 χ^2/NDF: 19.3/23

Left Out: 0.034+/-0.078 χ^2/NDF:30.5/24

Right Out: -0.019+/-0.034 χ^2/NDF: 33.6/29

Left In: 0.056+/-0.077 χ^2/NDF:26.1/22

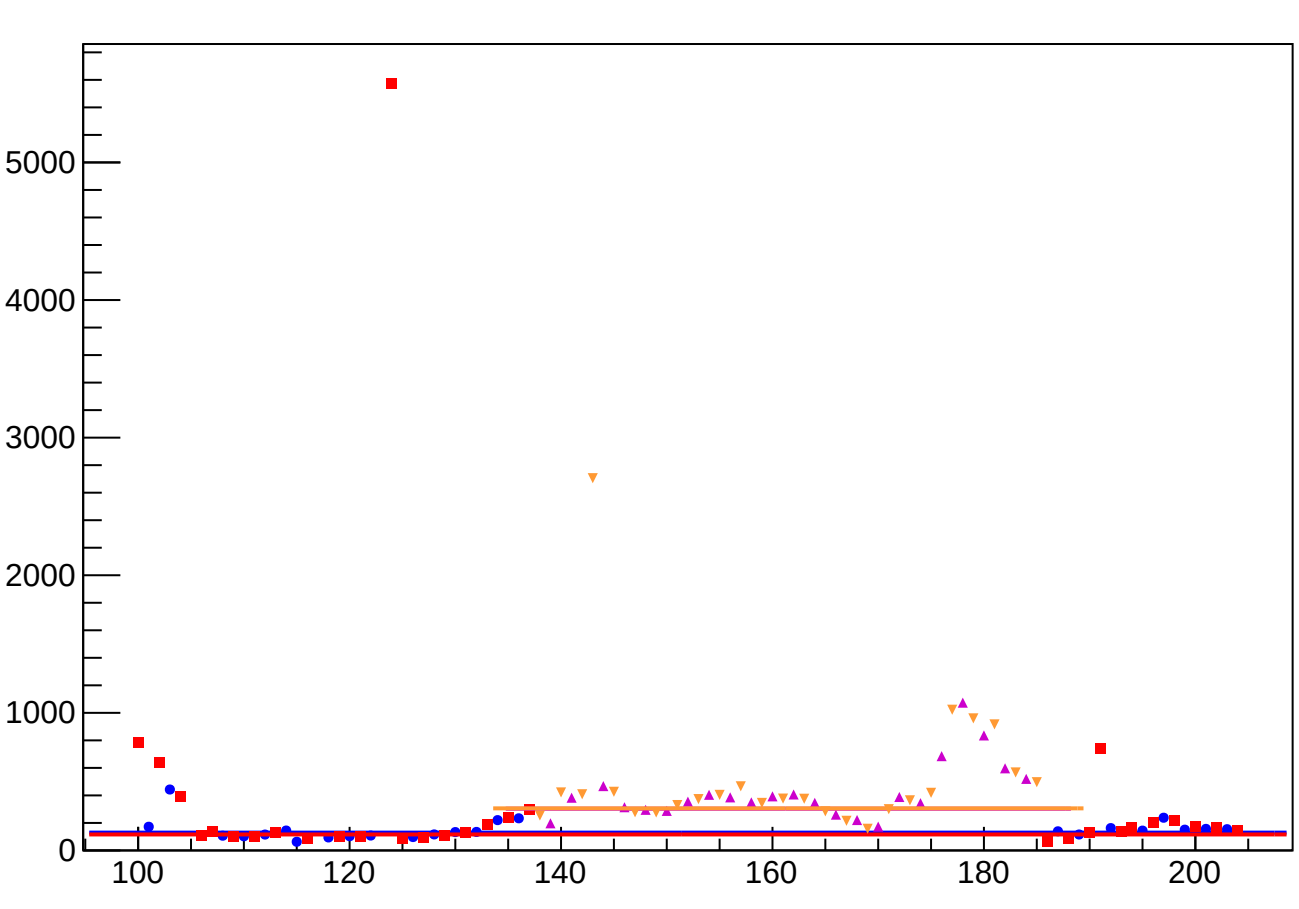
Left: 0.045+/-0.055 χ^2/NDF: 56.5/47

Right: 0.009+/-0.025 χ^2/NDF: 54.5/53

In: 0.048+/-0.034 χ^2/NDF:45.3/46

Out: -0.011+/-0.031 χ^2/NDF:64.5/54

All: 0.015+/-0.023 χ^2/NDF: 111.4/101



Right In: 129.664+/-0.027 χ^2/NDF: 2390957.9/23

Left Out: 305.950+/-0.055 χ^2/NDF:6634928.0/24

Right Out: 116.283+/-0.024 χ^2/NDF: 4363983.6/29

Left In: 303.278+/-0.055 χ^2/NDF:4813442.3/22

Left: 304.603+/-0.039 χ^2/NDF: 11449555.3/47

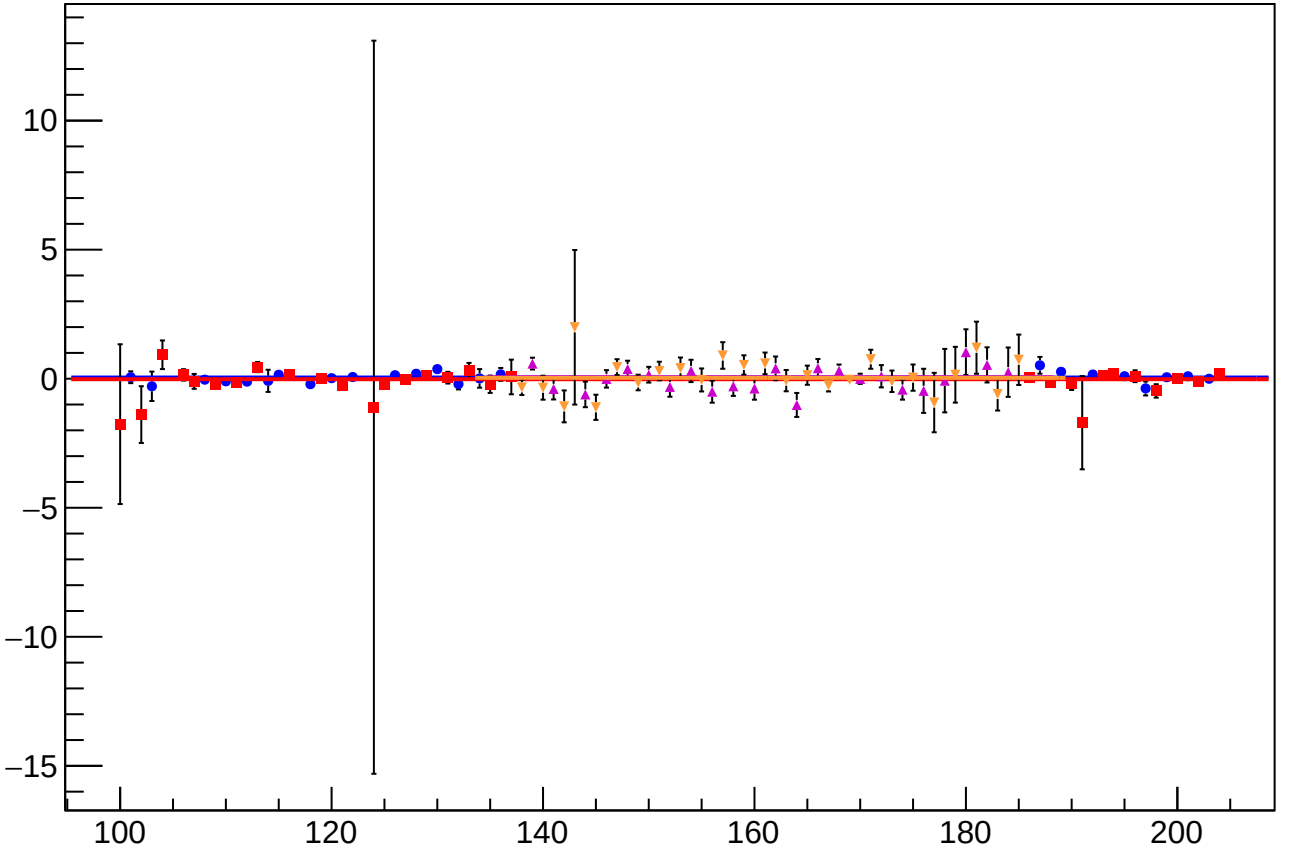
Right: 122.090+/-0.018 χ^2/NDF: 6891337.1/53

In: 164.233+/-0.024 χ^2/NDF:15283165.7/46

Out: 146.240+/-0.022 χ^2/NDF:20972815.7/54

All: 154.272+/-0.016 χ^2/NDF: 36557225.4/10

asym_atr1l2_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.046+/-0.039 χ^2/NDF: 19.3/23

Left Out: 0.034+/-0.078 χ^2/NDF:30.5/24

Right Out: -0.019+/-0.034 χ^2/NDF: 33.6/29

Left In: 0.056+/-0.077 χ^2/NDF:26.1/22

Left: 0.045+/-0.055 χ^2/NDF: 56.5/47

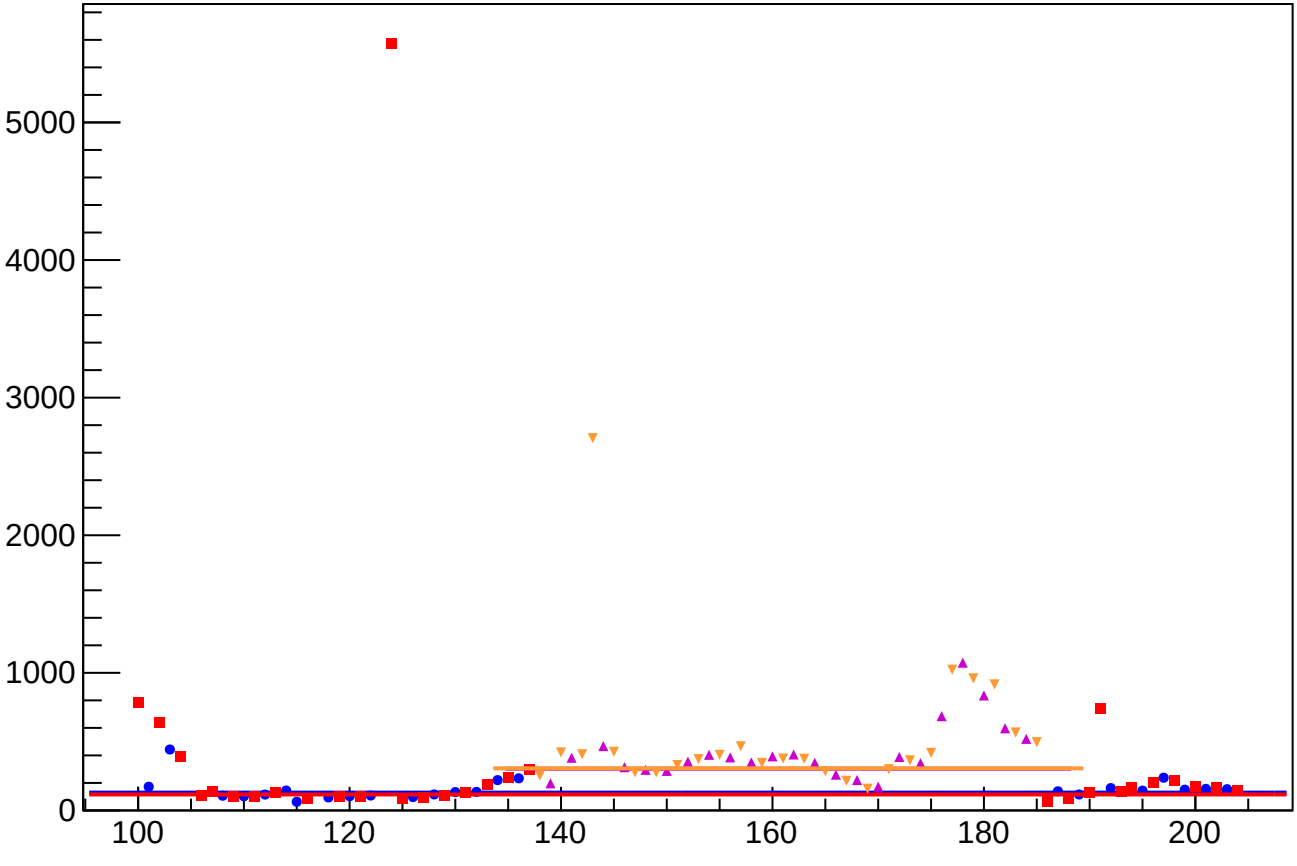
Right: 0.009+/-0.025 χ^2/NDF: 54.5/53

In: 0.048+/-0.034 χ^2/NDF:45.3/46

Out: -0.011+/-0.031 χ^2/NDF:64.5/54

All: 0.015+/-0.023 χ^2/NDF: 111.4/101

asym_atr1l2_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 129.664+/-0.027 χ^2/NDF: 2390957.9/23

Left Out: 305.950+/-0.055 χ^2/NDF:6634928.0/24

Right Out: 116.283+/-0.024 χ^2/NDF: 4363983.6/29

Left In: 303.278+/-0.055 χ^2/NDF:4813442.3/22

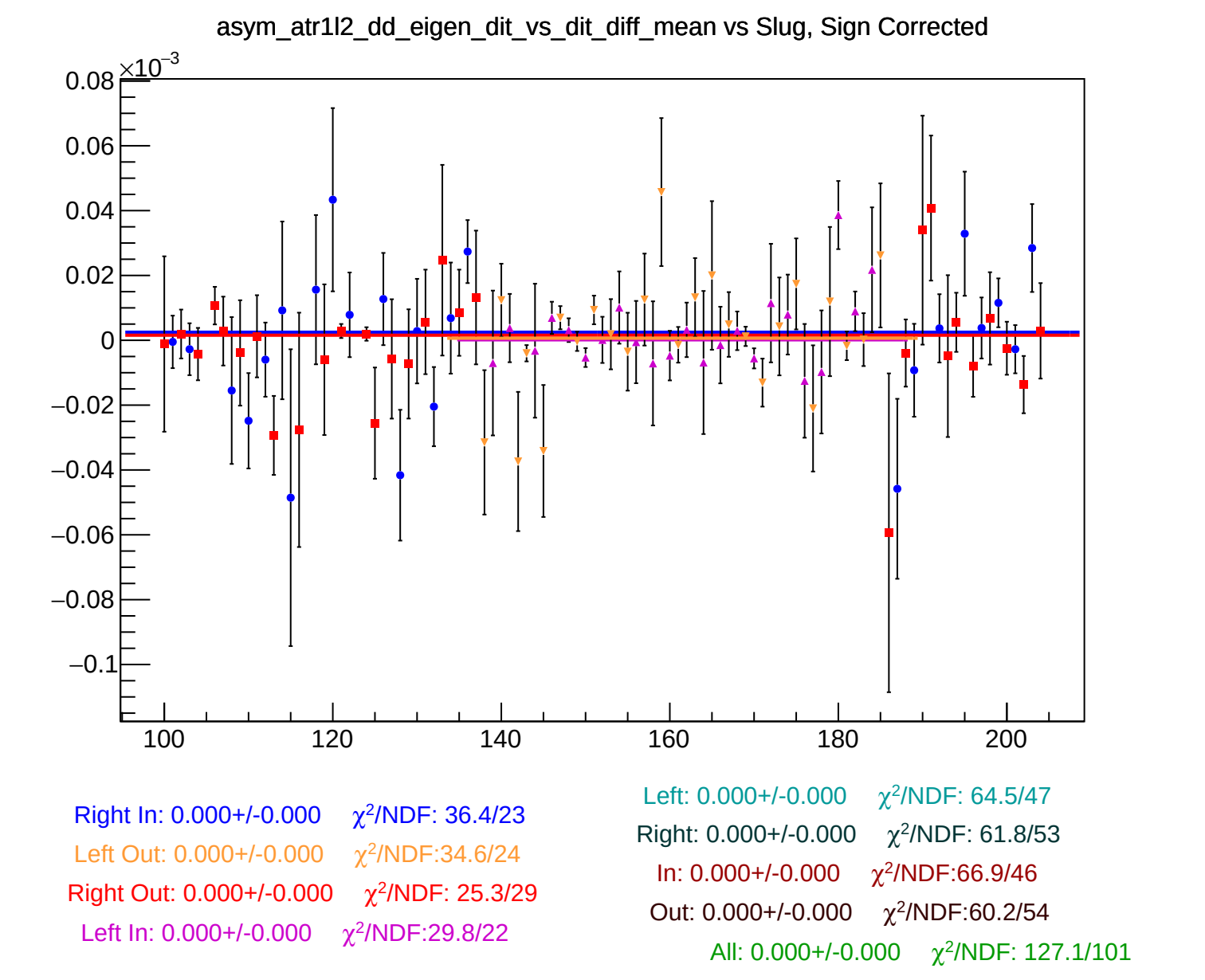
Left: 304.603+/-0.039 χ^2/NDF: 11449555.3/47

Right: 122.090+/-0.018 χ^2/NDF: 6891337.1/53

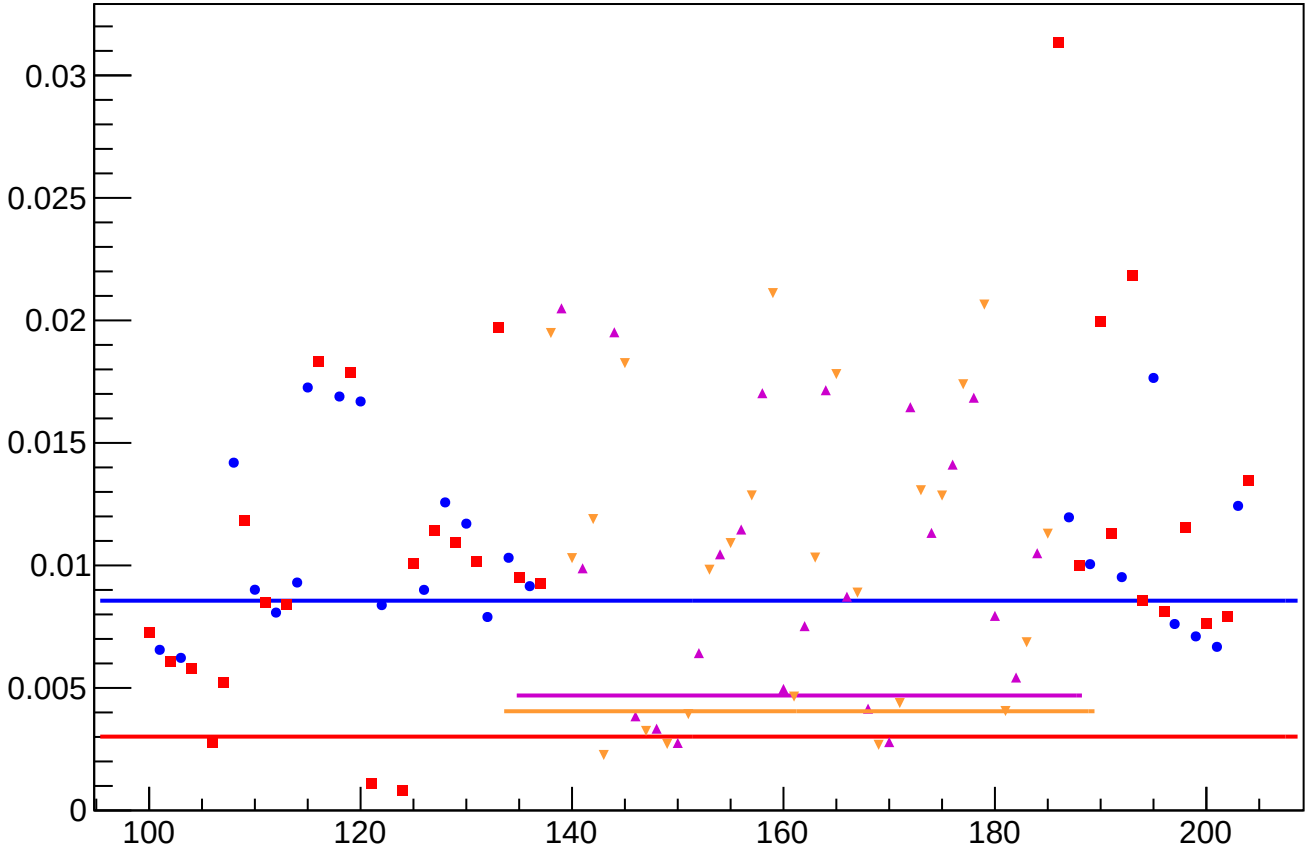
In: 164.233+/-0.024 χ^2/NDF:15283165.7/46

Out: 146.240+/-0.022 χ^2/NDF:20972815.7/54

All: 154.272+/-0.016 χ^2/NDF: 36557225.4/10


asym_atr1l2_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
−0.1
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 36.4/23
Left Out: 0.000+/-0.000 χ²/NDF:34.6/24
Right Out: 0.000+/-0.000 χ²/NDF: 25.3/29
Left In: 0.000+/-0.000 χ²/NDF:29.8/22
Left: 0.000+/-0.000 χ²/NDF: 64.5/47
Right: 0.000+/-0.000 χ²/NDF: 61.8/53
In: 0.000+/-0.000 χ²/NDF:66.9/46
Out: 0.000+/-0.000 χ²/NDF:60.2/54
All: 0.000+/-0.000 χ²/NDF: 127.1/101

asym_atr1l2_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 2020623.8/23

Left Out: 0.004+/-0.000 χ^2/NDF:13552895.5/24

Right Out: 0.003+/-0.000 χ^2/NDF: 17659690.2/29

Left In: 0.005+/-0.000 χ^2/NDF:10859759.8/22

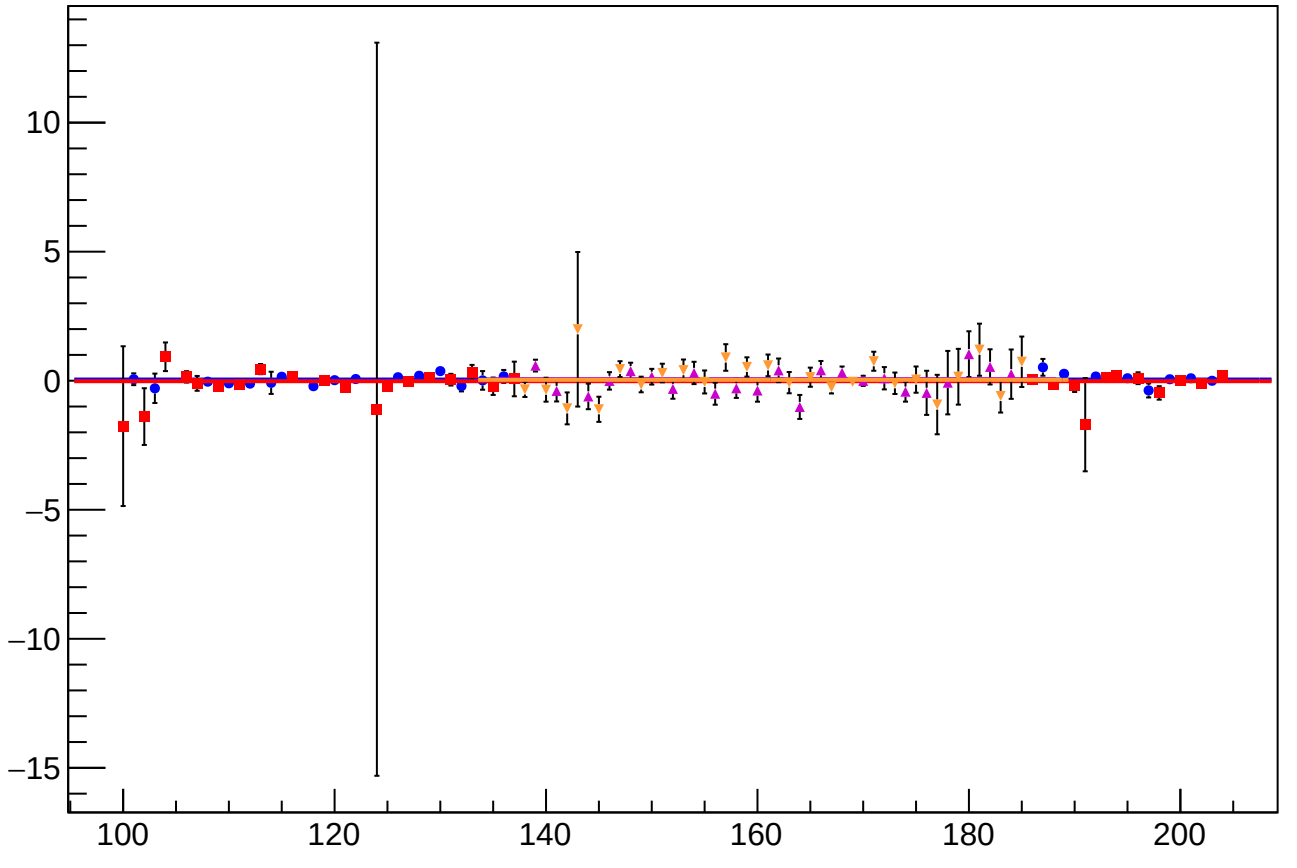
Left: 0.004+/-0.000 χ^2/NDF: 24656660.1/47

Right: 0.004+/-0.000 χ^2/NDF: 27471172.6/53

In: 0.006+/-0.000 χ^2/NDF:16495307.5/46

Out: 0.004+/-0.000 χ^2/NDF:31926765.4/54

All: 0.004+/-0.000 χ^2/NDF: 52165263.3/101



Right In: 0.046+/-0.039 χ^2/NDF: 19.3/23

Left Out: 0.034+/-0.078 χ^2/NDF:30.5/24

Right Out: -0.019+/-0.034 χ^2/NDF: 33.6/29

Left In: 0.056+/-0.077 χ^2/NDF:26.0/22

Left: 0.045+/-0.055 χ^2/NDF: 56.5/47

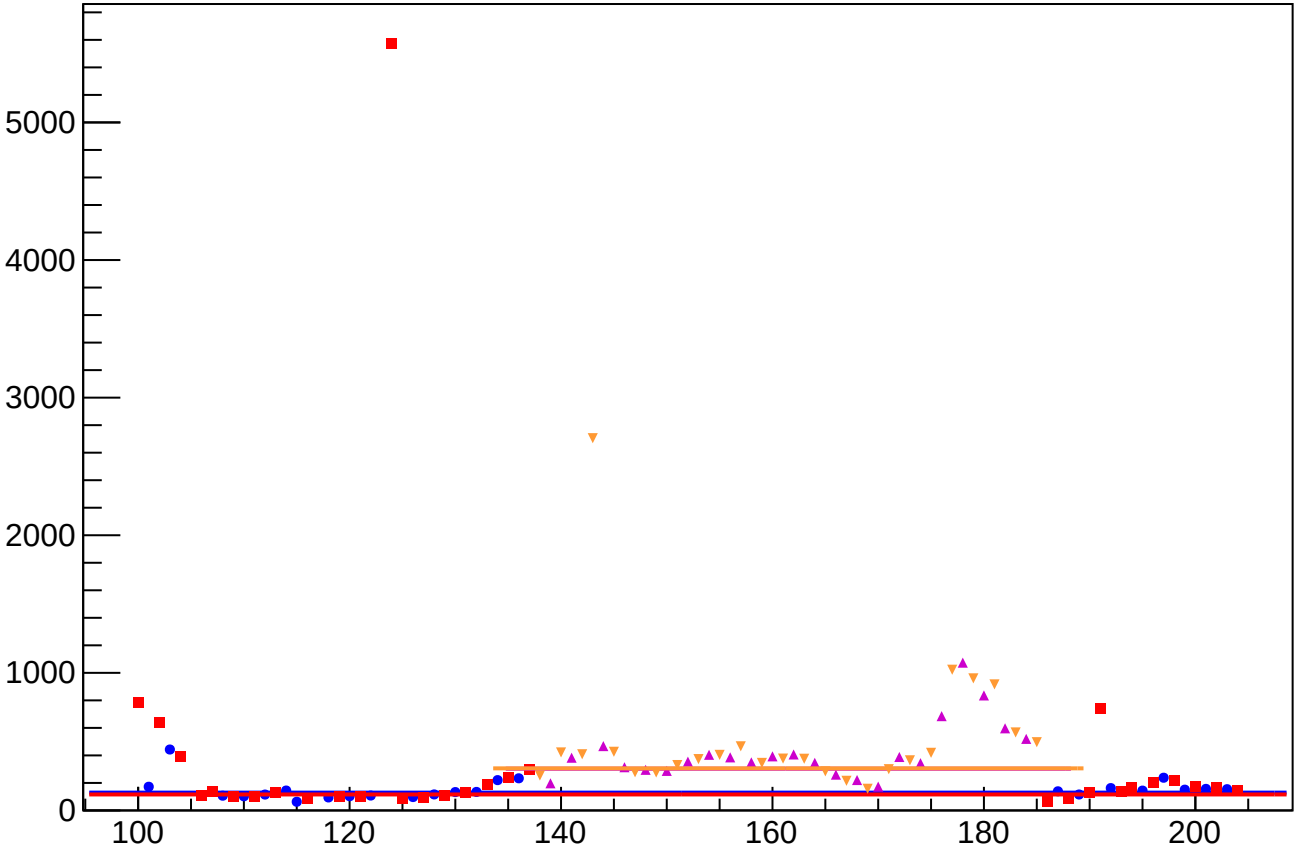
Right: 0.009+/-0.025 χ^2/NDF: 54.5/53

In: 0.048+/-0.034 χ^2/NDF:45.3/46

Out: -0.011+/-0.031 χ^2/NDF:64.5/54

All: 0.015+/-0.023 χ^2/NDF: 111.4/101

asym_atr1l2_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 129.664+/-0.027 χ^2/NDF: 2390941.8/23

Left Out: 305.951+/-0.055 χ^2/NDF:6634999.6/24

Right Out: 116.284+/-0.024 χ^2/NDF: 4363798.2/29

Left In: 303.281+/-0.055 χ^2/NDF:4813426.5/22

Left: 304.605+/-0.039 χ^2/NDF: 11449609.9/47

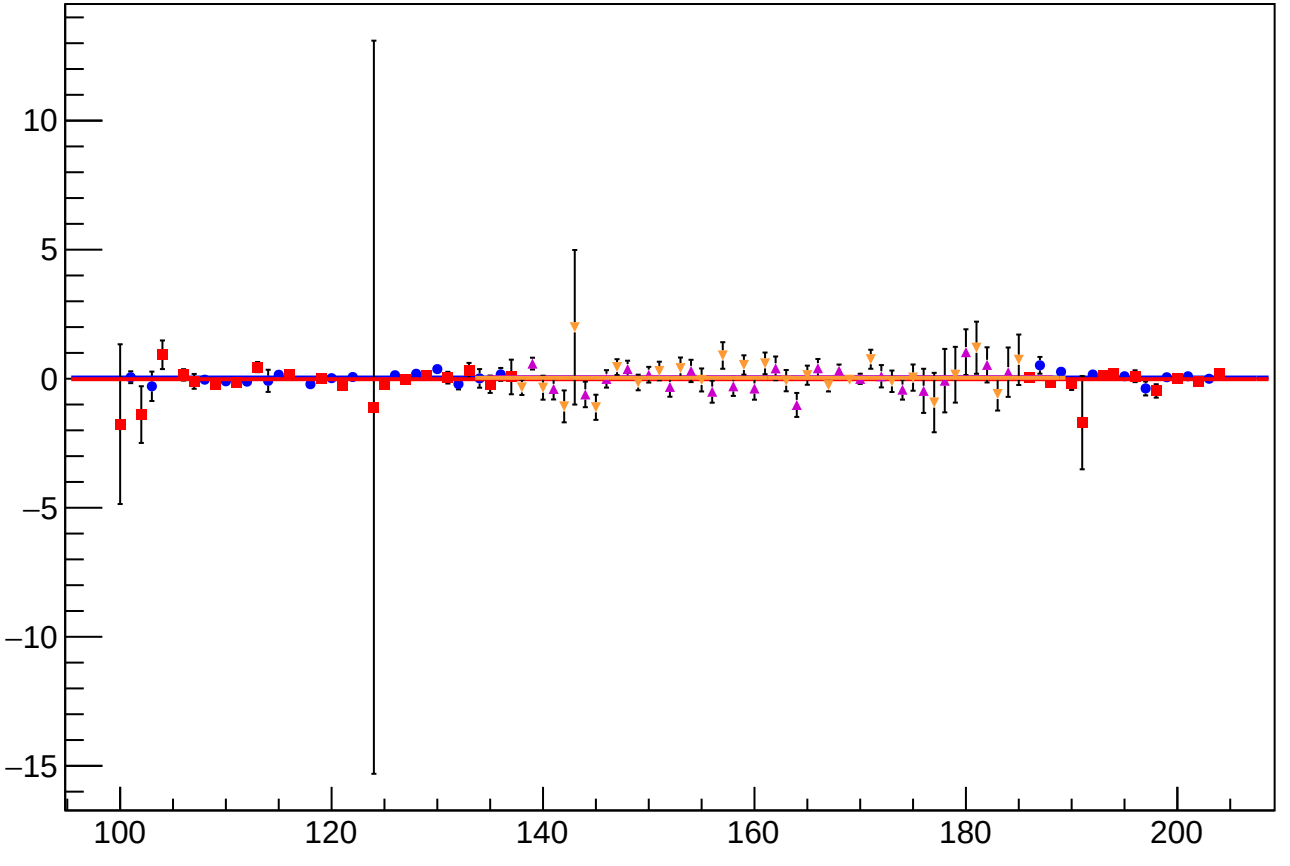
Right: 122.091+/-0.018 χ^2/NDF: 6891123.5/53

In: 164.234+/-0.024 χ^2/NDF:15283224.5/46

Out: 146.241+/-0.022 χ^2/NDF:20972651.1/54

All: 154.273+/-0.016 χ^2/NDF: 36557105.6/10

asym_atr1l2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.046+/-0.039 χ^2/NDF: 19.3/23

Left Out: 0.034+/-0.078 χ^2/NDF:30.5/24

Right Out: -0.019+/-0.034 χ^2/NDF: 33.6/29

Left In: 0.056+/-0.077 χ^2/NDF:26.0/22

Left: 0.045+/-0.055 χ^2/NDF: 56.5/47

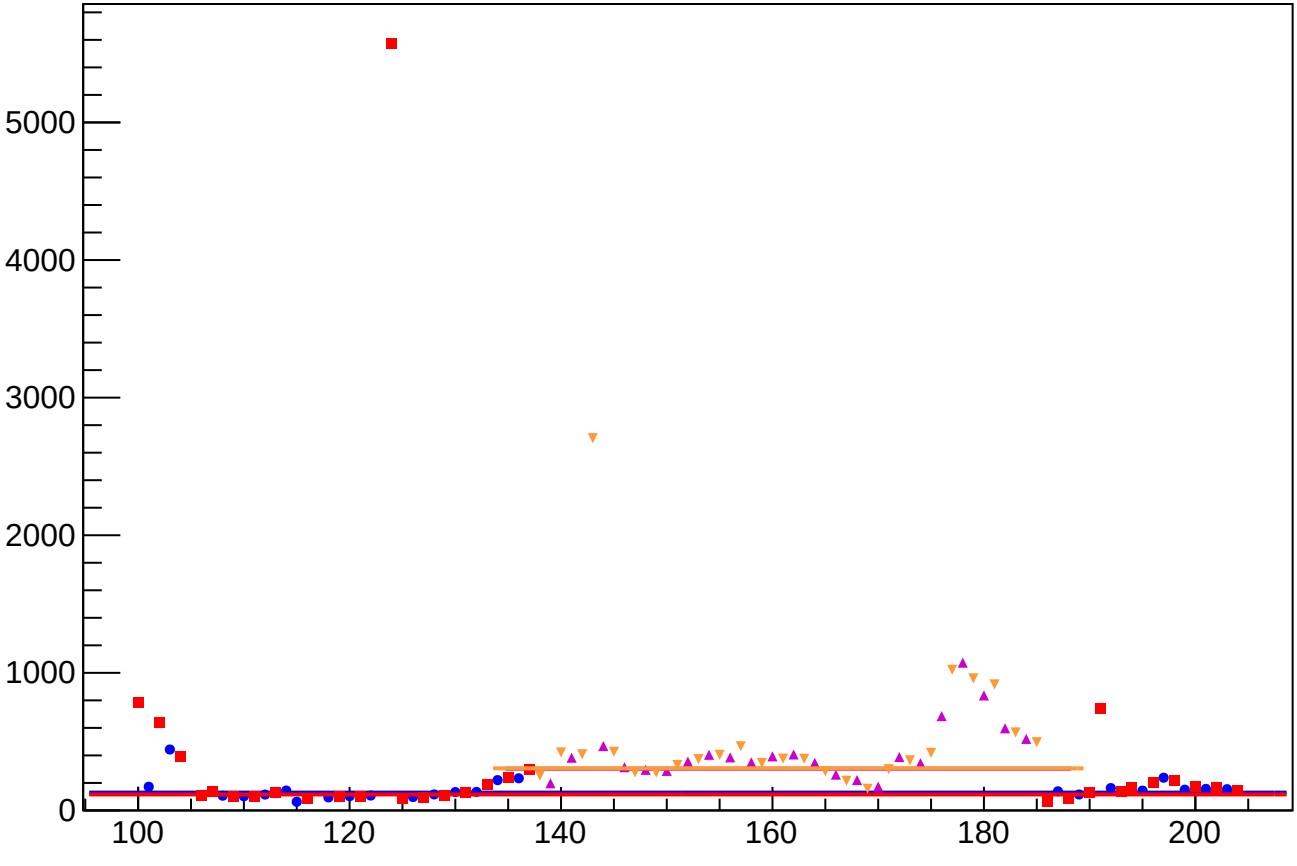
Right: 0.009+/-0.025 χ^2/NDF: 54.5/53

In: 0.048+/-0.034 χ^2/NDF:45.3/46

Out: -0.011+/-0.031 χ^2/NDF:64.5/54

All: 0.015+/-0.023 χ^2/NDF: 111.4/101

asym_atr1l2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 129.664+/-0.027 χ^2/NDF: 2390941.8/23

Left Out: 305.951+/-0.055 χ^2/NDF:6634999.6/24

Right Out: 116.284+/-0.024 χ^2/NDF: 4363798.2/29

Left In: 303.281+/-0.055 χ^2/NDF:4813426.5/22

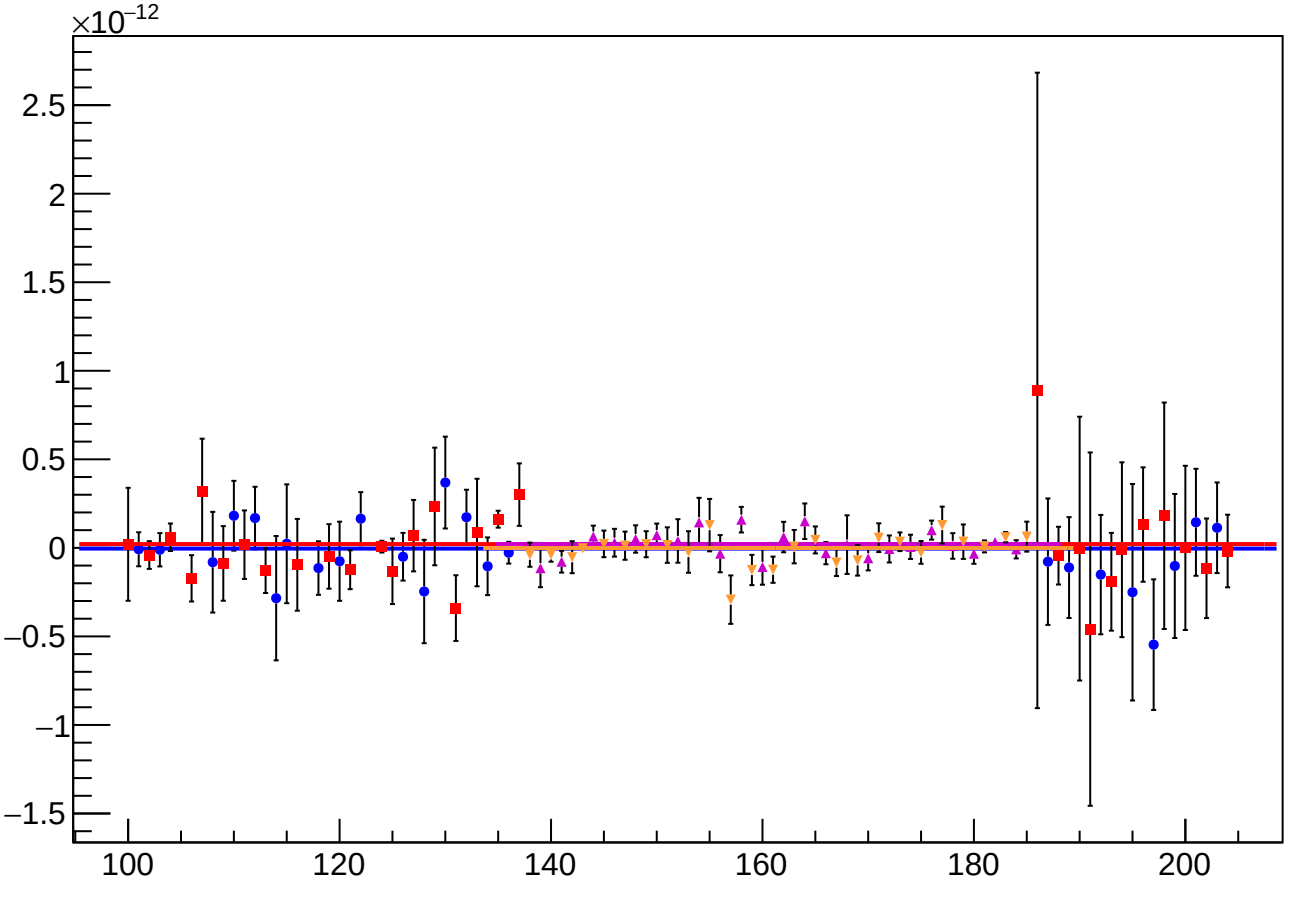
Left: 304.605+/-0.039 χ^2/NDF: 11449609.9/47

Right: 122.091+/-0.018 χ^2/NDF: 6891123.5/53

In: 164.234+/-0.024 χ^2/NDF:15283224.5/46

Out: 146.241+/-0.022 χ^2/NDF:20972651.1/54

All: 154.273+/-0.016 χ^2/NDF: 36557105.6/10



Right In: -0.000+/-0.000 χ^2/NDF: 12.4/23

Left Out: -0.000+/-0.000 χ^2/NDF:22.0/24

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

Left In: 0.000+/-0.000 χ^2/NDF:19.5/22

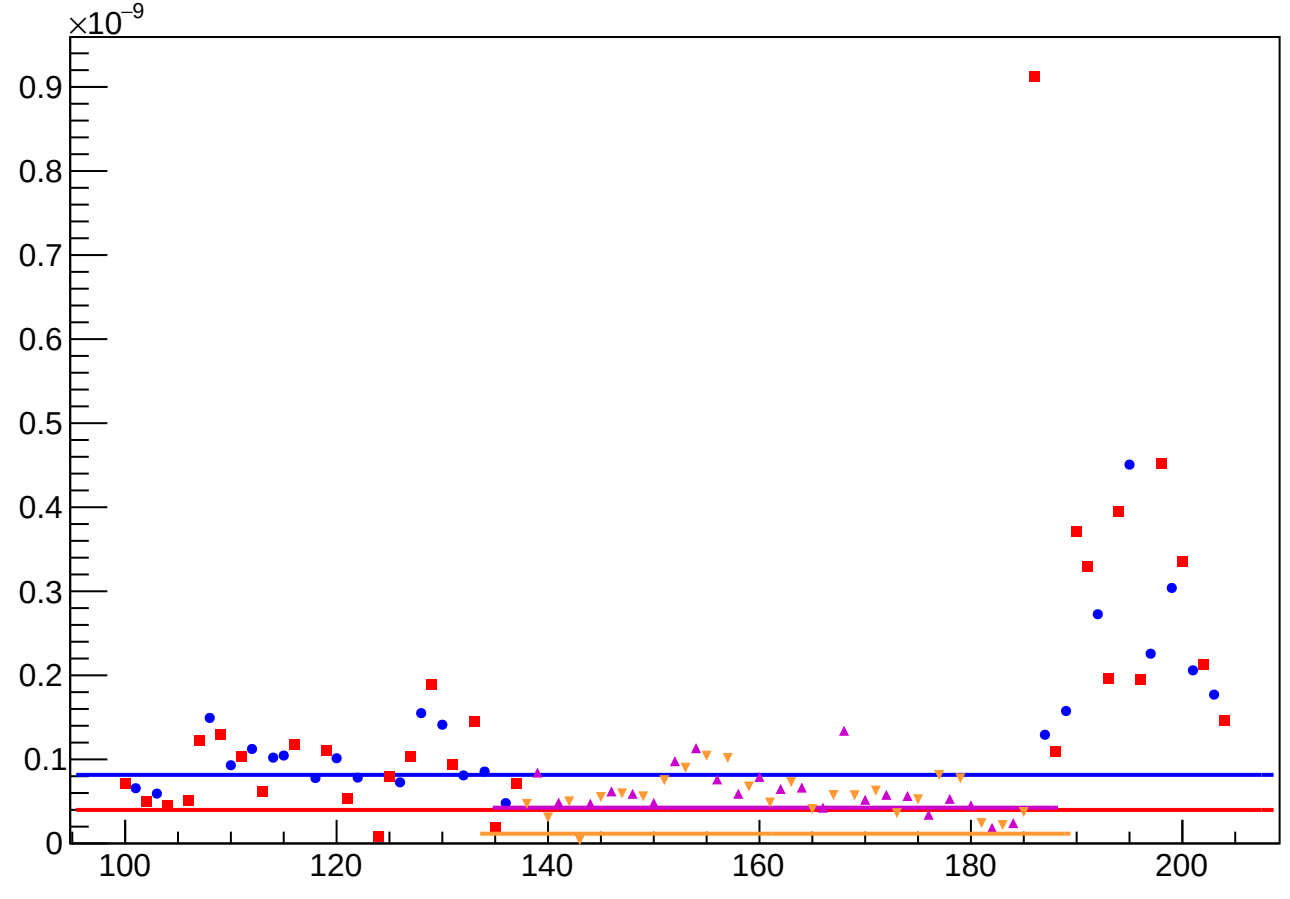
Left: 0.000+/-0.000 χ^2/NDF: 44.0/47

Right: 0.000+/-0.000 χ^2/NDF: 38.7/53

In: 0.000+/-0.000 χ^2/NDF:32.4/46

Out: 0.000+/-0.000 χ^2/NDF:49.0/54

All: 0.000+/-0.000 χ^2/NDF: 83.1/101



Right In: 0.000+/-0.000 χ^2/NDF: 4295394.8/23

Left Out: 0.000+/-0.000 χ^2/NDF:17863822.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 11169206.1/29

Left In: 0.000+/-0.000 χ^2/NDF:5419961.9/22

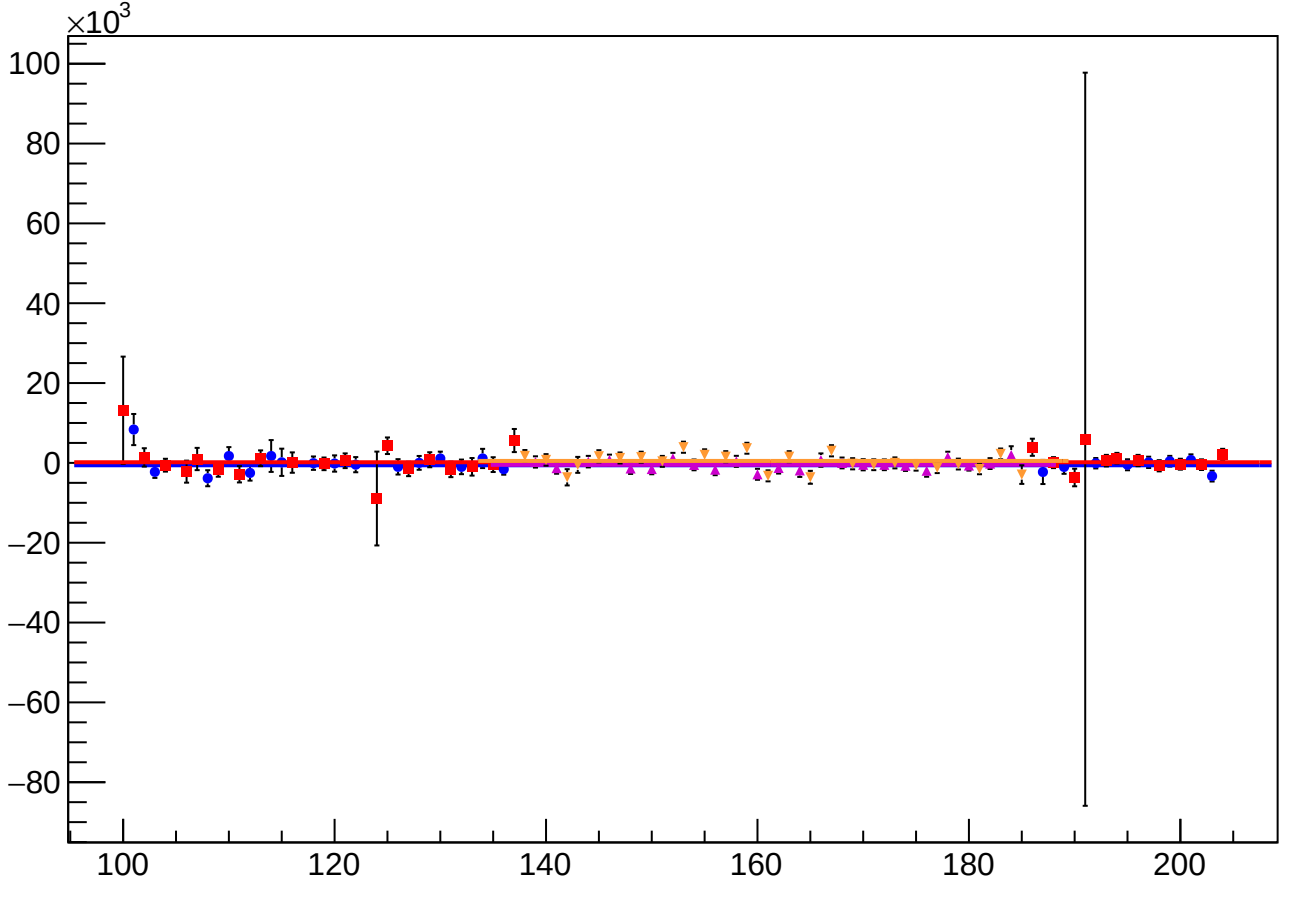
Left: 0.000+/-0.000 χ^2/NDF: 32408011.0/47

Right: 0.000+/-0.000 χ^2/NDF: 17726933.6/53

In: 0.000+/-0.000 χ^2/NDF:12118570.7/46

Out: 0.000+/-0.000 χ^2/NDF:32367069.1/54

All: 0.000+/-0.000 χ^2/NDF: 57302576.0/101



Right In: -598.215+/-357.099 χ^2/NDF: 20.2/23

Left Out: 492.062+/-288.495 χ^2/NDF:46.9/24

Right Out: 157.833+/-336.785 χ^2/NDF: 25.7/29

Left In: -486.821+/-293.769 χ^2/NDF:14.4/22

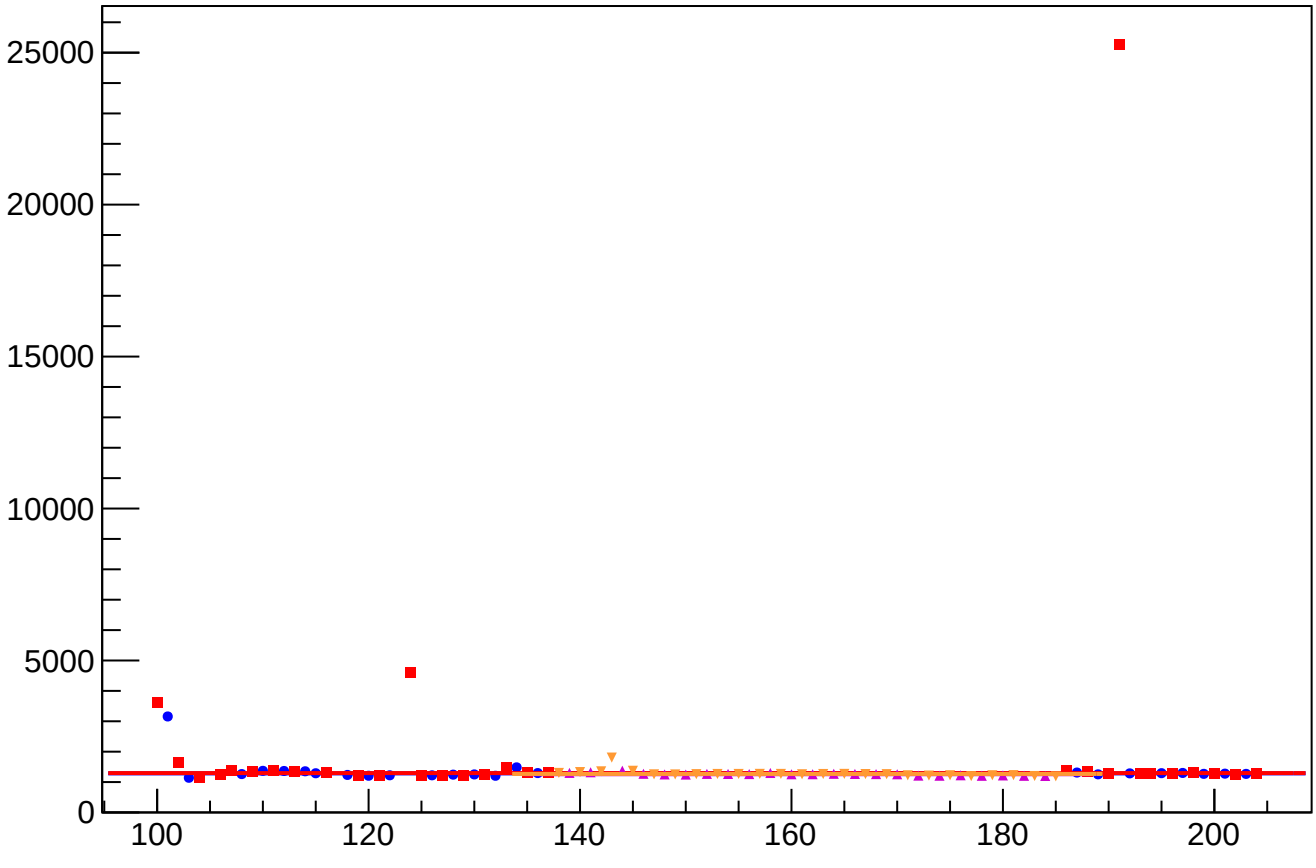
Left: 11.486+/-205.836 χ^2/NDF: 67.0/47

Right: -198.076+/-245.010 χ^2/NDF: 48.3/53

In: -531.781+/-226.866 χ^2/NDF:34.7/46

Out: 350.607+/-219.099 χ^2/NDF:73.2/54

All: -75.223+/-157.601 χ^2/NDF: 115.7/101



Right In: 1285.301+/-0.253 χ^2/NDF: 516525.6/23

Left Out: 1266.967+/-0.204 χ^2/NDF:187545.6/24

Right Out: 1295.521+/-0.238 χ^2/NDF: 468116.8/29

Left In: 1257.551+/-0.208 χ^2/NDF:36816.4/22

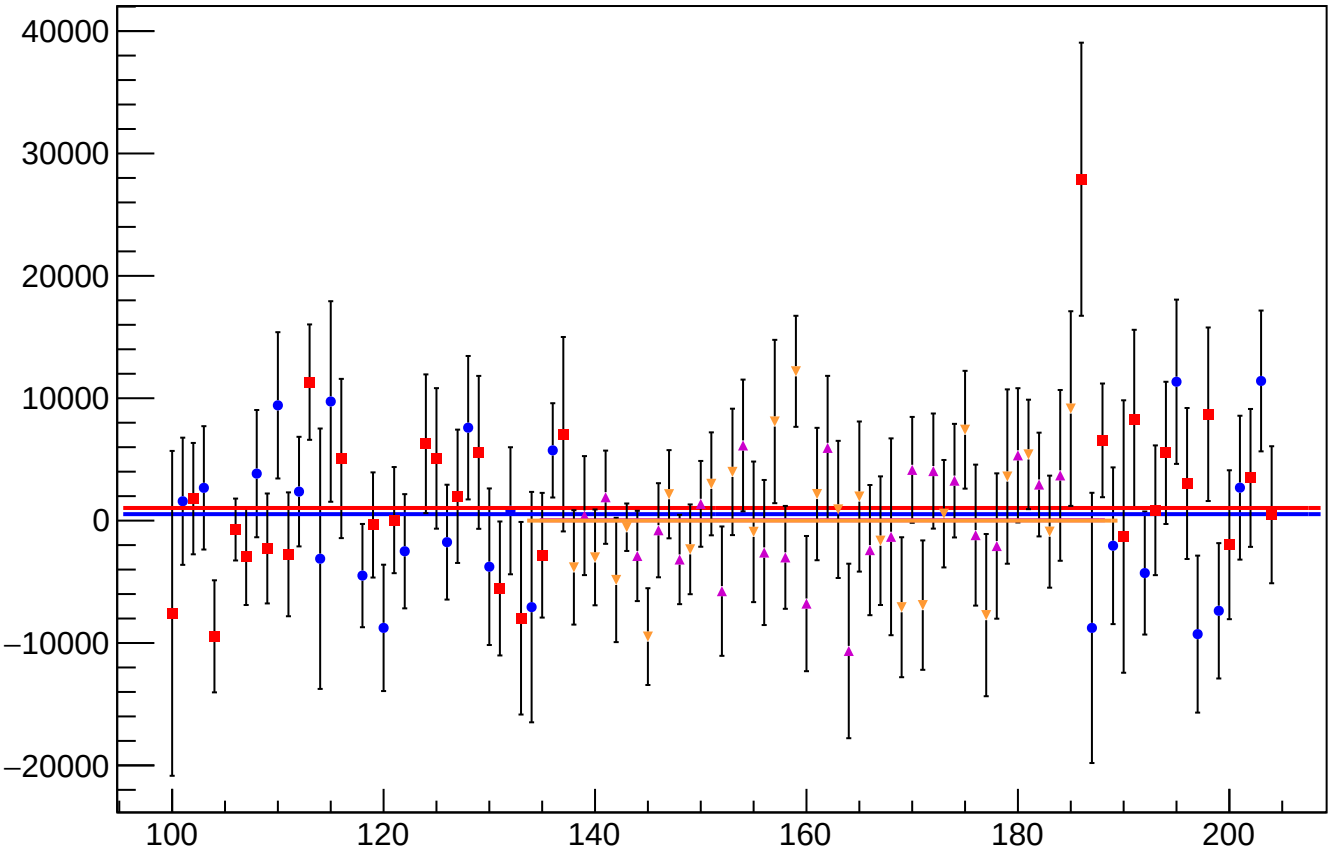
Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

Right: 1290.716+/-0.173 χ^2/NDF: 985510.4/53

In: 1268.751+/-0.160 χ^2/NDF:560544.4/46

Out: 1279.069+/-0.155 χ^2/NDF:663965.9/54

All: 1274.093+/-0.111 χ^2/NDF: 1226652.1/10



Right In: 528.534+/-1132.348 χ^2/NDF: 26.6/23

Left Out: -0.604+/-886.488 χ^2/NDF:29.1/24

Right Out: 1033.051+/-956.478 χ^2/NDF: 29.9/29

Left In: 31.593+/-995.348 χ^2/NDF:14.0/22

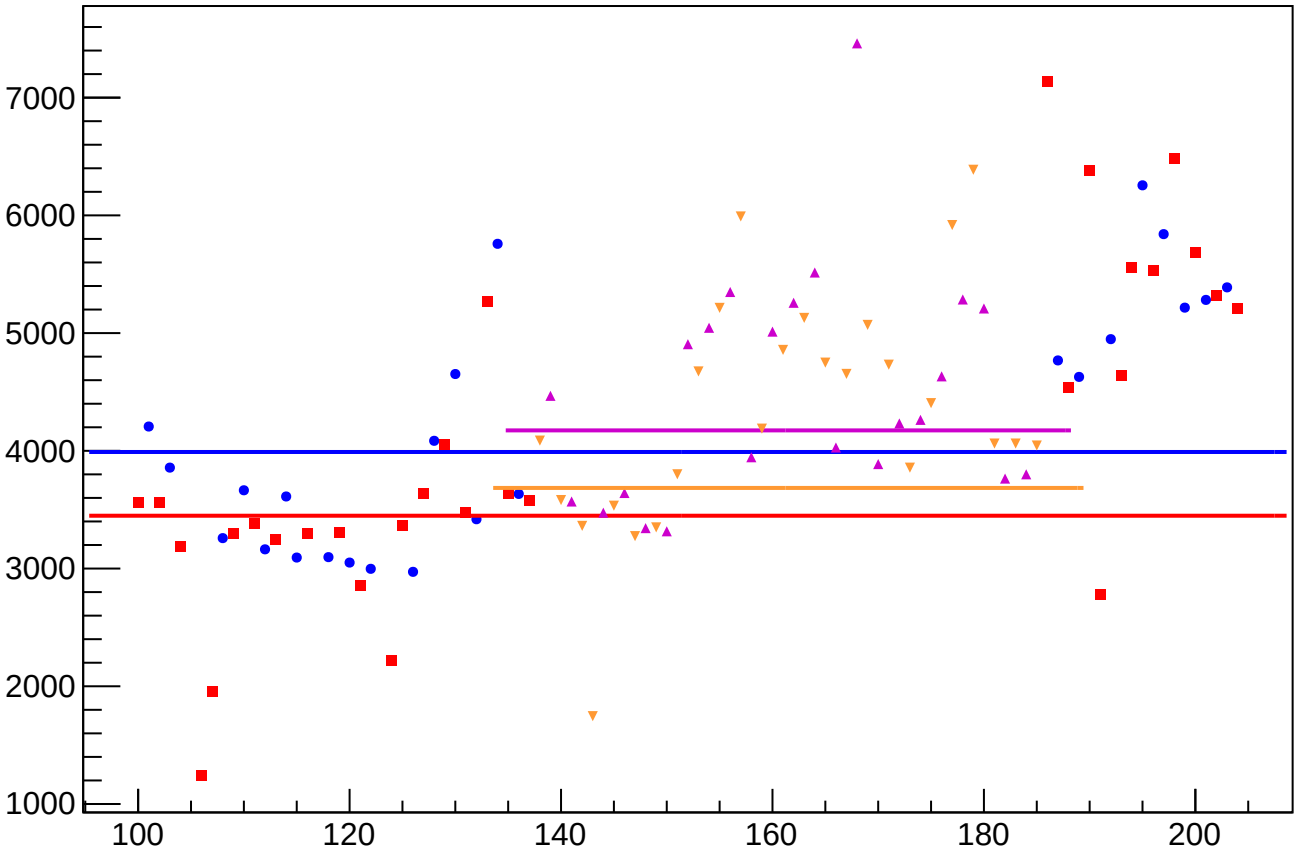
Left: 13.638+/-661.996 χ^2/NDF: 43.1/47

Right: 822.972+/-730.691 χ^2/NDF: 56.6/53

In: 248.198+/-747.587 χ^2/NDF:40.7/46

Out: 477.025+/-650.179 χ^2/NDF:59.6/54

All: 378.481+/-490.595 χ^2/NDF: 100.4/101



Right In: 3990.167+/-0.801 χ^2/NDF: 1429193.0/23

Left Out: 3684.769+/-0.627 χ^2/NDF:3693646.6/24

Right Out: 3448.723+/-0.676 χ^2/NDF: 4215986.4/29

Left In: 4173.556+/-0.704 χ^2/NDF:1274968.4/22

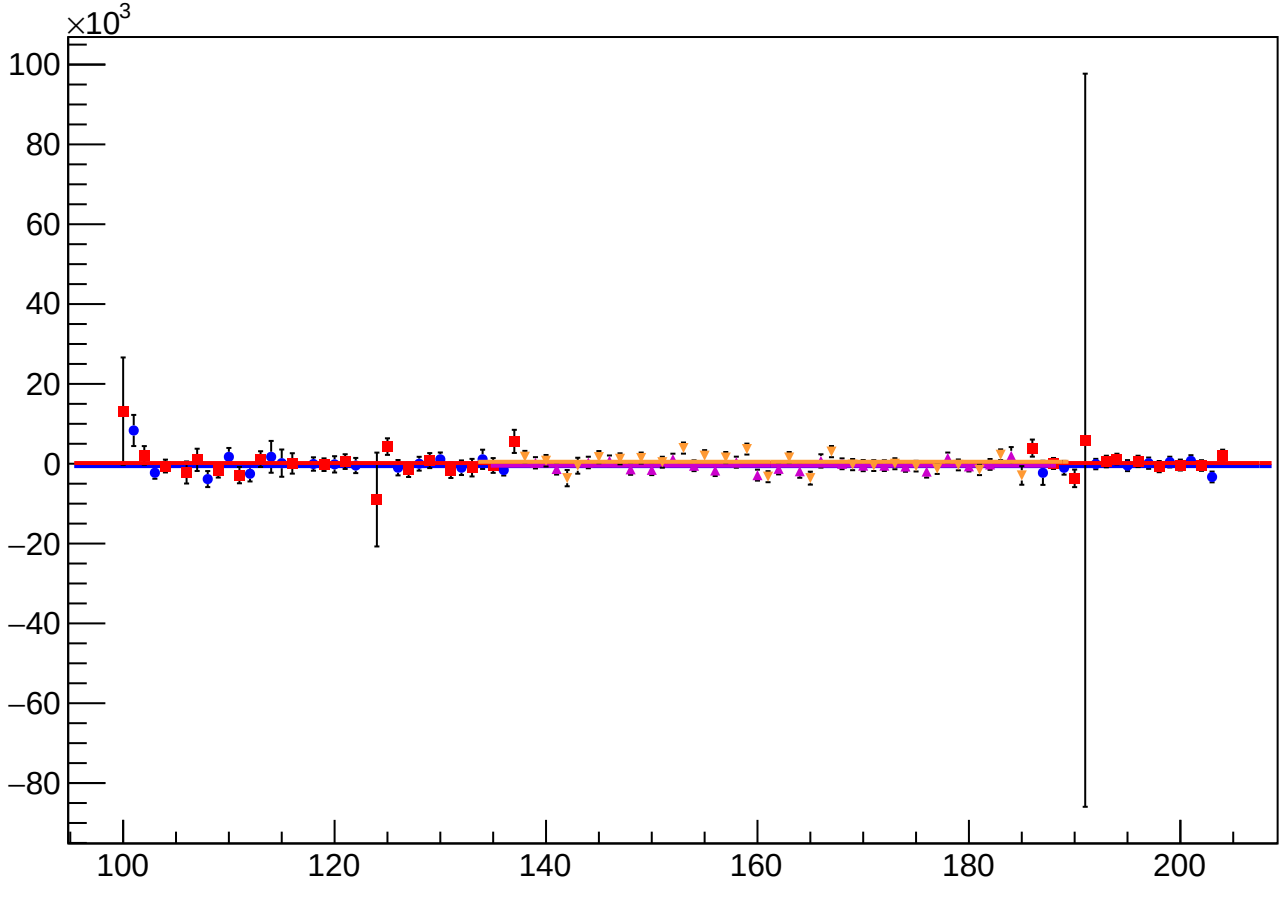
Left: 3900.981+/-0.468 χ^2/NDF: 5237573.9/47

Right: 3674.179+/-0.517 χ^2/NDF: 5912046.9/53

In: 4093.621+/-0.529 χ^2/NDF:2733754.5/46

Out: 3575.697+/-0.460 χ^2/NDF:7975155.8/54

All: 3798.740+/-0.347 χ^2/NDF: 11255447.4/



Right In: -598.388+/-357.099 χ^2/NDF: 20.1/23

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: 171.779+/-336.892 χ^2/NDF: 26.1/29

Left In: -486.720+/-293.769 χ^2/NDF:14.4/22

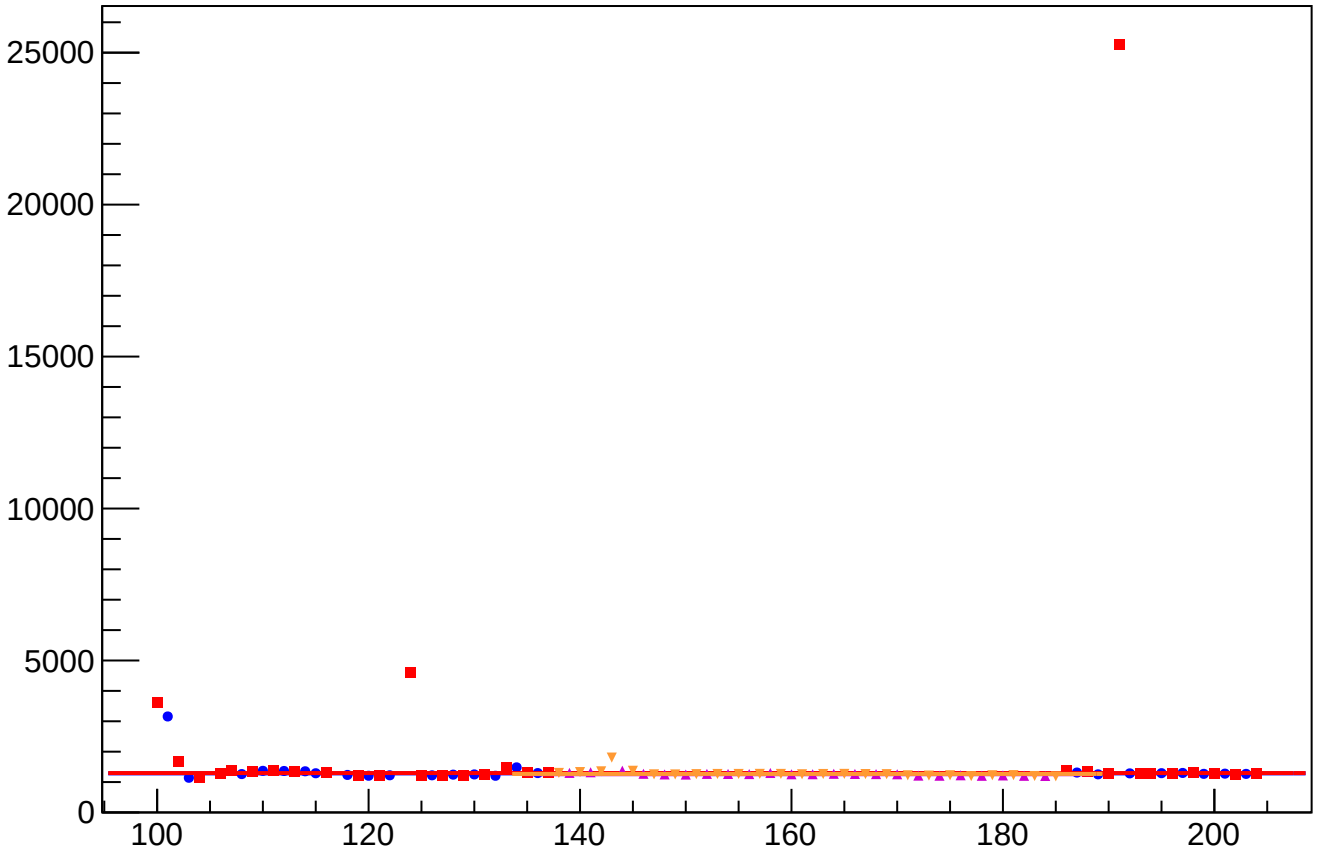
Left: 11.544+/-205.836 χ^2/NDF: 67.0/47

Right: -190.898+/-245.051 χ^2/NDF: 48.8/53

In: -531.791+/-226.866 χ^2/NDF:34.6/46

Out: 356.568+/-219.128 χ^2/NDF:73.6/54

All: -72.202+/-157.612 χ^2/NDF: 116.1/101



Right In: 1285.301+/-0.253 χ^2/NDF: 516527.0/23

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

Right Out: 1296.485+/-0.238 χ^2/NDF: 474774.8/29

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

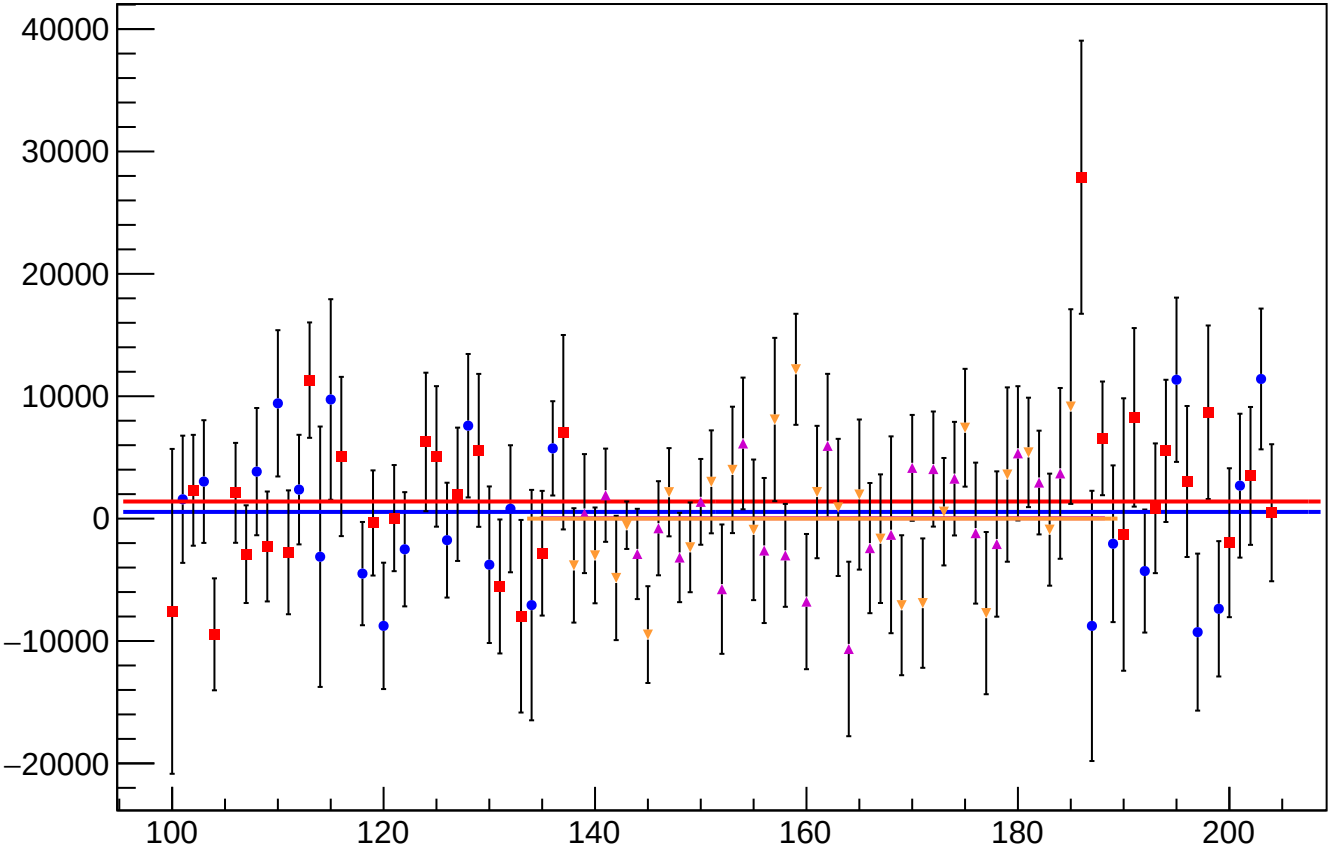
Right: 1291.223+/-0.173 χ^2/NDF: 992340.6/53

In: 1268.751+/-0.160 χ^2/NDF:560545.8/46

Out: 1279.468+/-0.155 χ^2/NDF:671187.1/54

All: 1274.298+/-0.111 χ^2/NDF: 1234042.6/10

asym_atl_dd_atr_dd_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: 547.490+/-1132.064 χ^2/NDF: 26.6/23

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

Right Out: 1398.163+/-1001.314 χ^2/NDF: 29.4/29

Left In: 31.597+/-995.347 χ^2/NDF:14.0/22

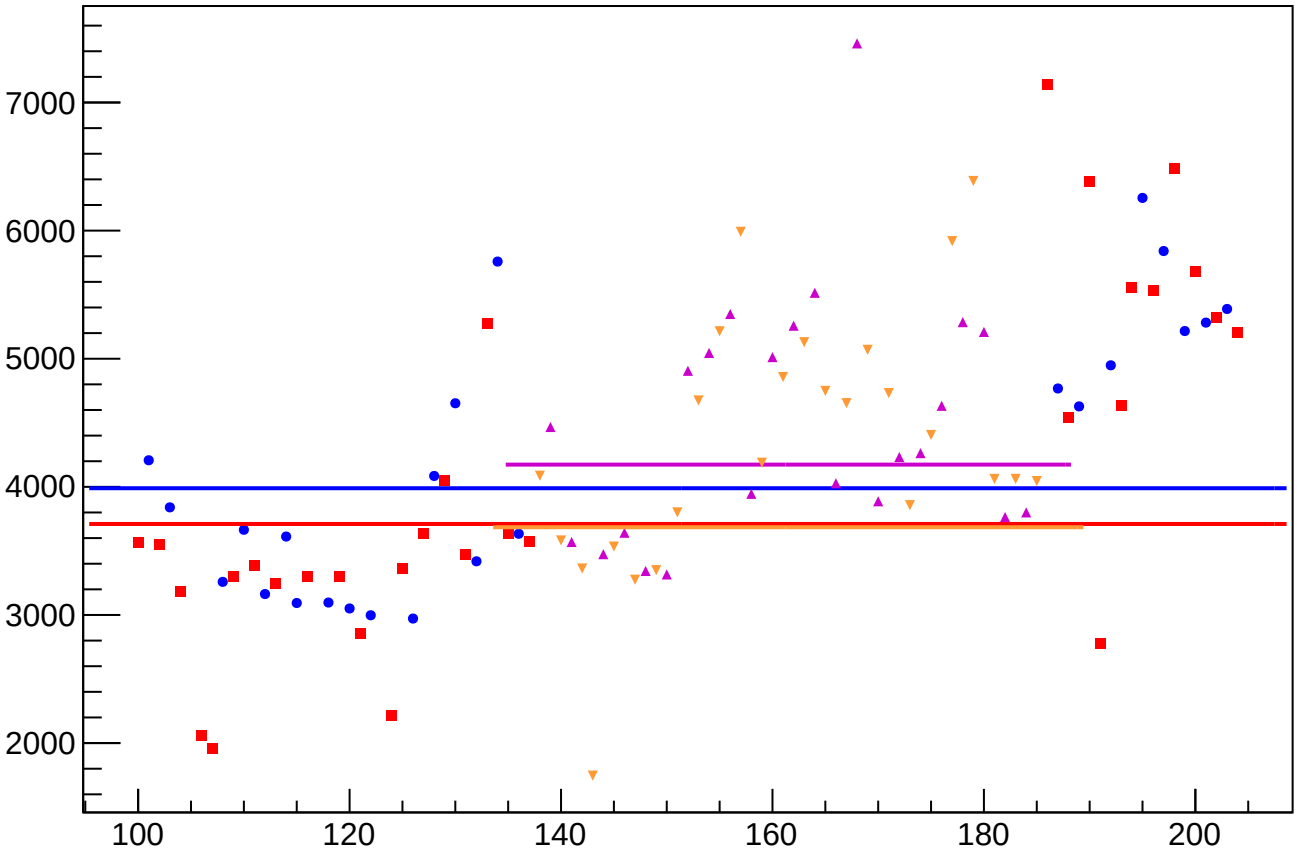
Left: 13.675+/-661.996 χ^2/NDF: 43.1/47

Right: 1024.767+/-750.022 χ^2/NDF: 56.4/53

In: 256.526+/-747.505 χ^2/NDF:40.8/46

Out: 614.047+/-663.742 χ^2/NDF:59.6/54

All: 456.432+/-496.320 χ^2/NDF: 100.5/101



Right In: 3989.258+/-0.800 χ^2/NDF: 1429635.7/23

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

Right Out: 3710.282+/-0.708 χ^2/NDF: 2787691.8/29

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

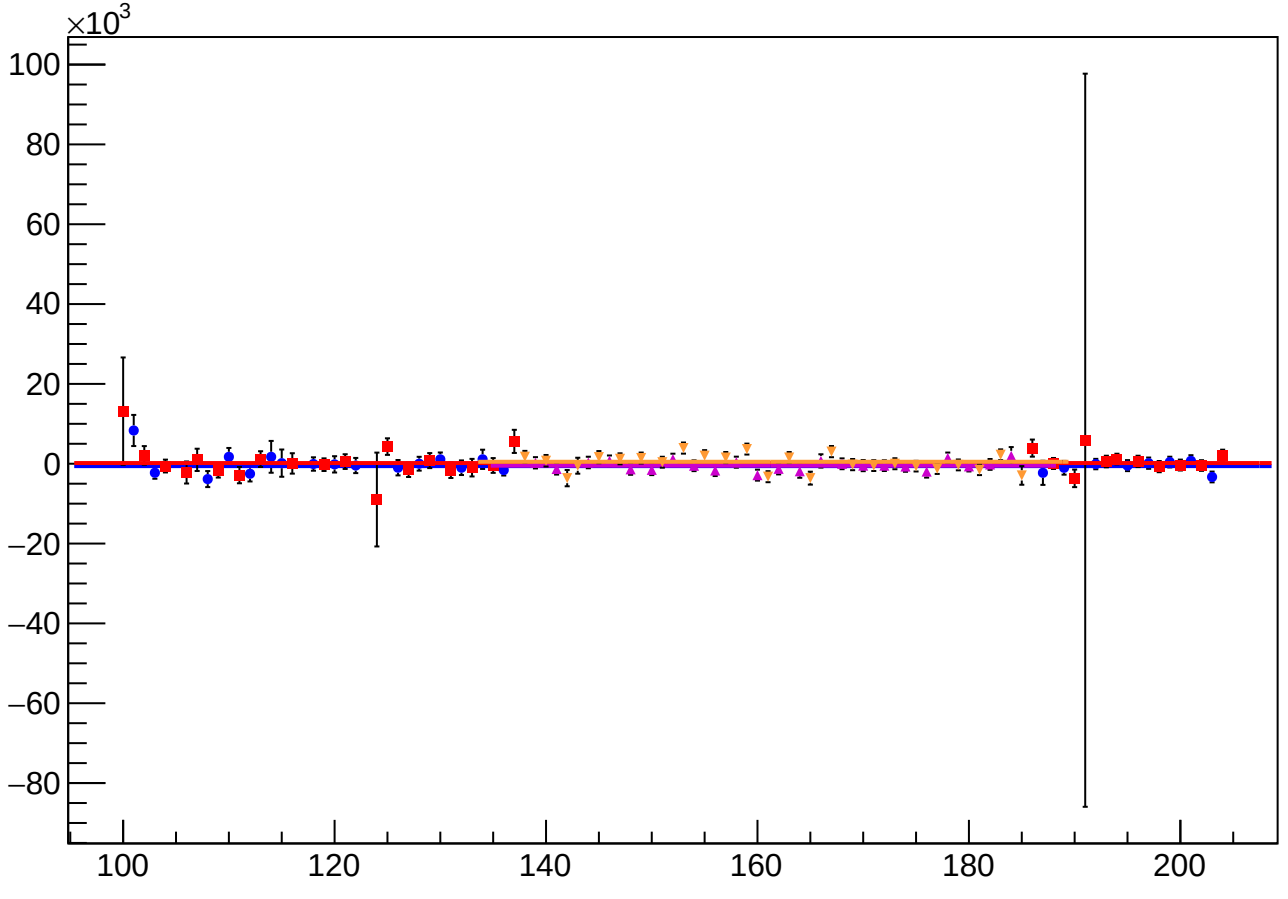
Left: 3900.975+/-0.468 χ^2/NDF: 5237615.0/47

Right: 3832.736+/-0.530 χ^2/NDF: 4285471.9/53

In: 4093.199+/-0.529 χ^2/NDF:2734496.9/46

Out: 3695.975+/-0.469 χ^2/NDF:6482107.3/54

All: 3871.093+/-0.351 χ^2/NDF: 9532392.7/10



Right In: -598.388+/-357.099 χ^2/NDF: 20.1/23

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: 171.779+/-336.892 χ^2/NDF: 26.1/29

Left In: -486.720+/-293.769 χ^2/NDF:14.4/22

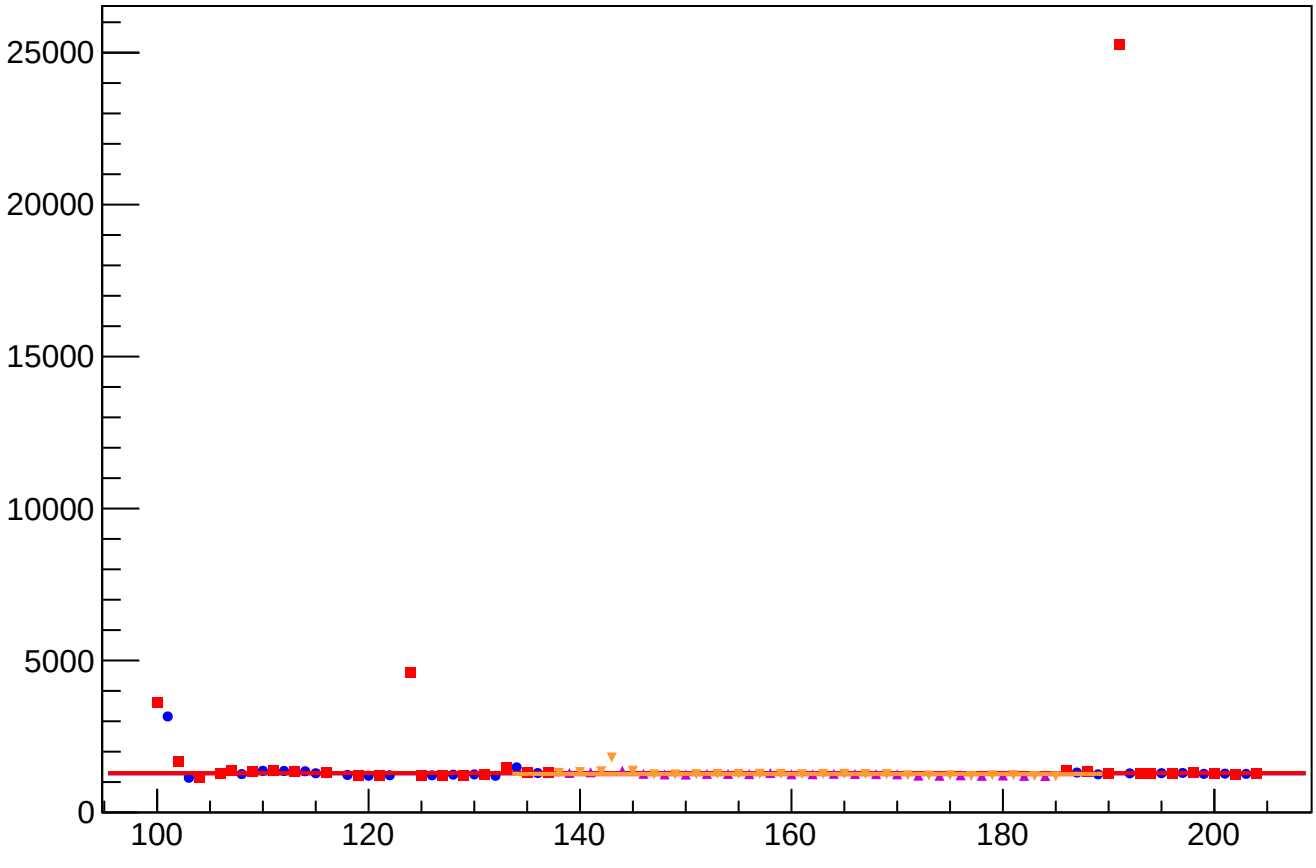
Left: 11.544+/-205.836 χ^2/NDF: 67.0/47

Right: -190.898+/-245.051 χ^2/NDF: 48.8/53

In: -531.791+/-226.866 χ^2/NDF:34.6/46

Out: 356.568+/-219.128 χ^2/NDF:73.6/54

All: -72.202+/-157.612 χ^2/NDF: 116.1/101



Right In: 1285.301+/-0.253 χ^2/NDF: 516527.0/23

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

Right Out: 1296.485+/-0.238 χ^2/NDF: 474774.8/29

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

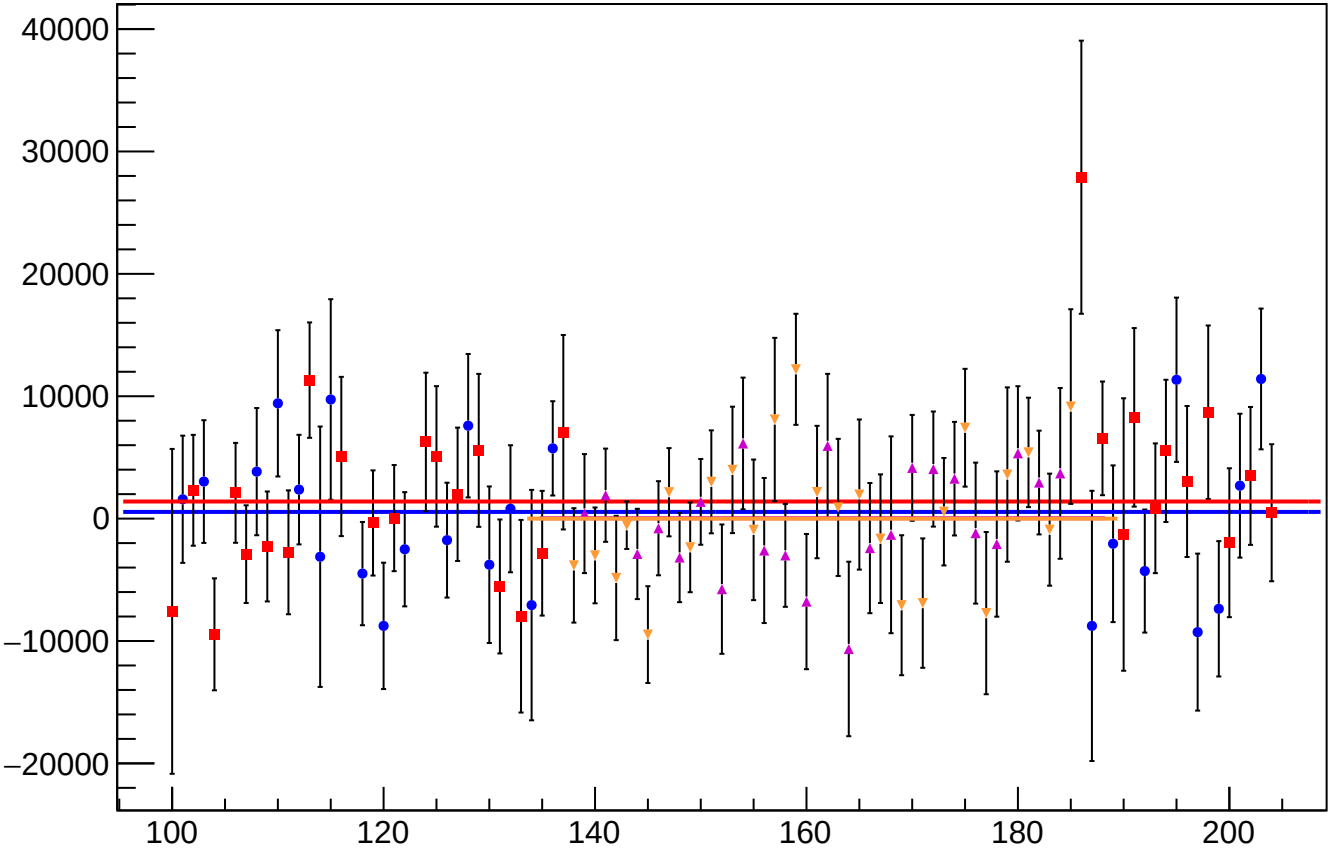
Right: 1291.223+/-0.173 χ^2/NDF: 992340.6/53

In: 1268.751+/-0.160 χ^2/NDF:560545.8/46

Out: 1279.468+/-0.155 χ^2/NDF:671187.1/54

All: 1274.298+/-0.111 χ^2/NDF: 1234042.6/10

asym_atl_dd_atr_dd_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 547.490+/-1132.064 χ^2/NDF: 26.6/23

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

Right Out: 1398.163+/-1001.314 χ^2/NDF: 29.4/29

Left In: 31.597+/-995.347 χ^2/NDF:14.0/22

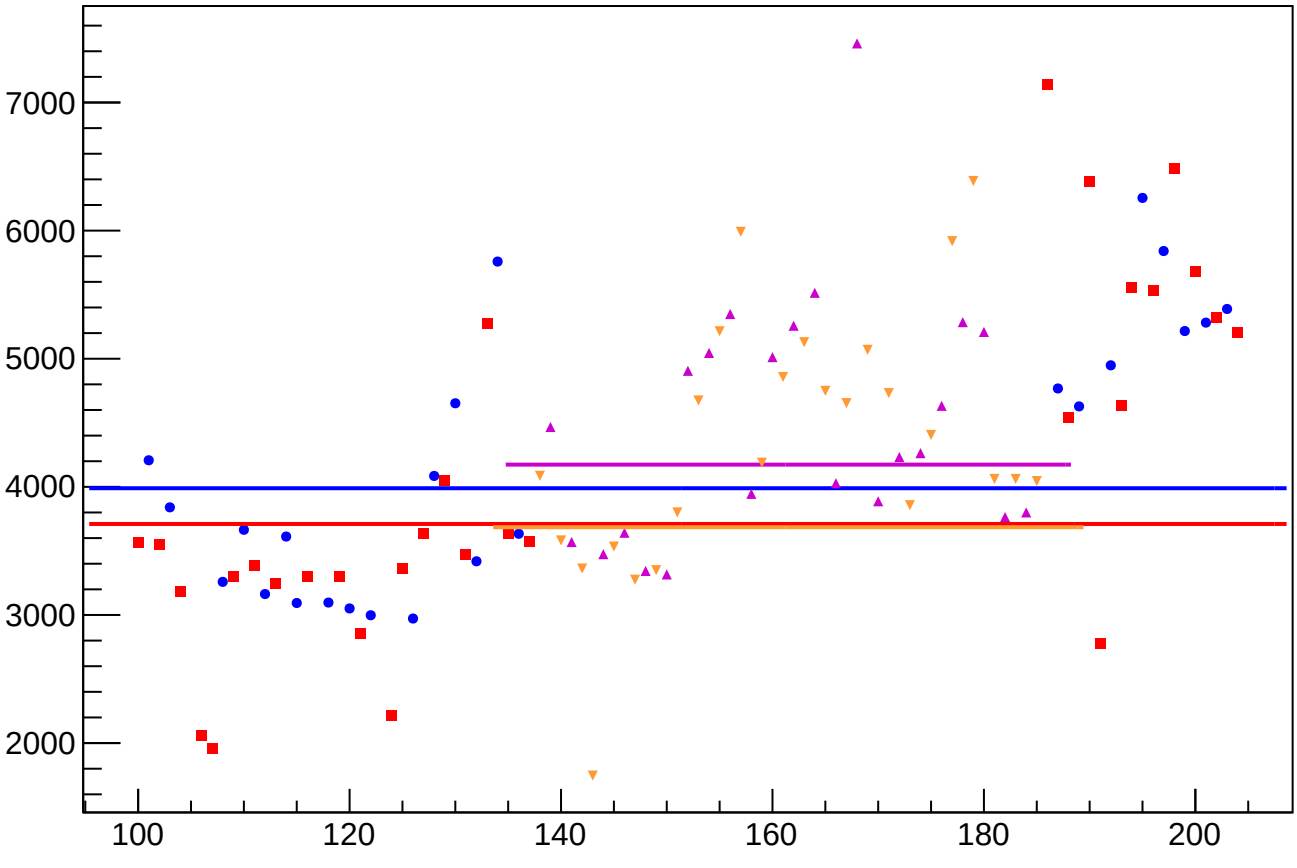
Left: 13.675+/-661.996 χ^2/NDF: 43.1/47

Right: 1024.767+/-750.022 χ^2/NDF: 56.4/53

In: 256.526+/-747.505 χ^2/NDF:40.8/46

Out: 614.047+/-663.742 χ^2/NDF:59.6/54

All: 456.432+/-496.320 χ^2/NDF: 100.5/101



Right In: 3989.258+/-0.800 χ^2/NDF: 1429635.7/23

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

Right Out: 3710.282+/-0.708 χ^2/NDF: 2787691.8/29

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

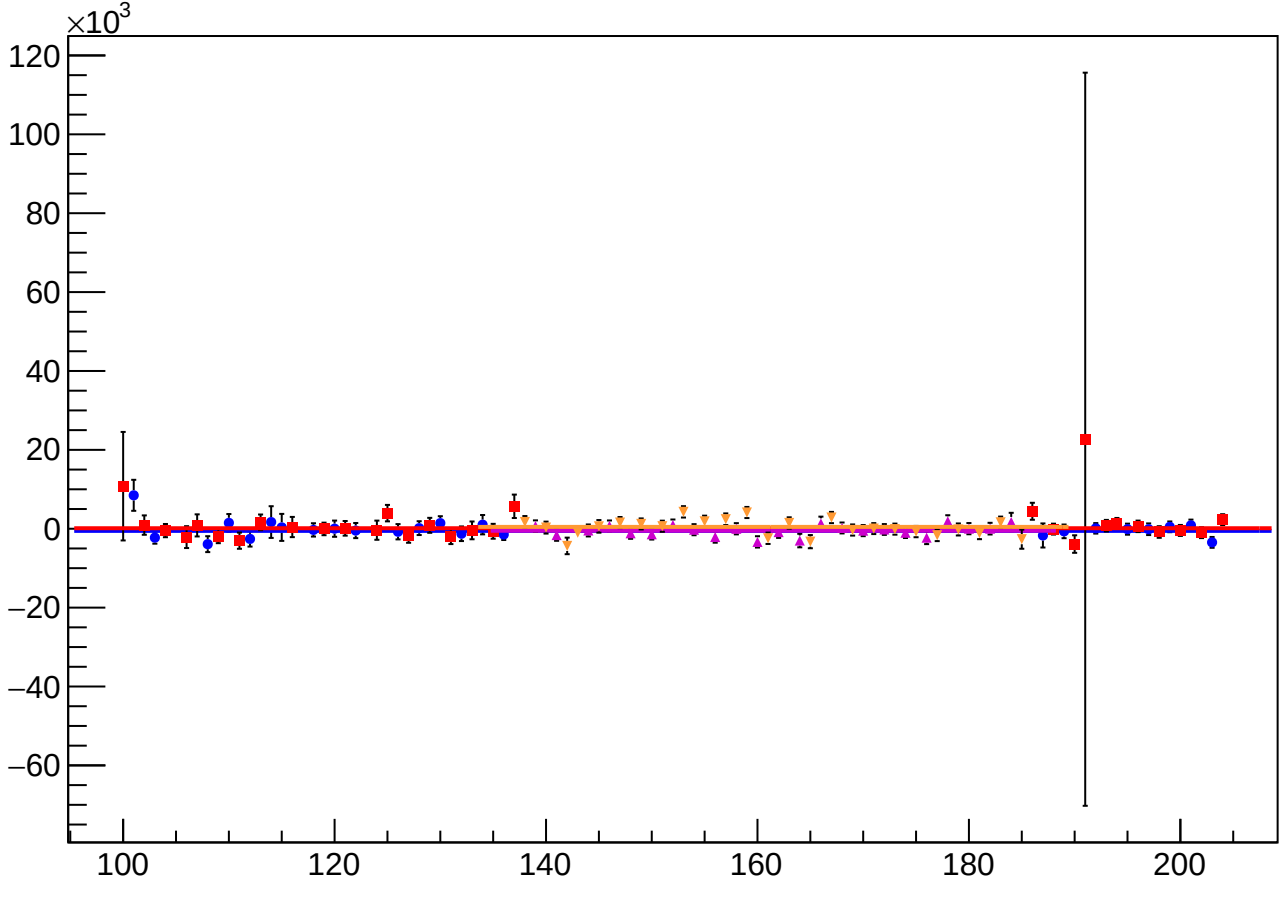
Left: 3900.975+/-0.468 χ^2/NDF: 5237615.0/47

Right: 3832.736+/-0.530 χ^2/NDF: 4285471.9/53

In: 4093.199+/-0.529 χ^2/NDF:2734496.9/46

Out: 3695.975+/-0.469 χ^2/NDF:6482107.3/54

All: 3871.093+/-0.351 χ^2/NDF: 9532392.7/10



Right In: -539.414+/-362.408 χ^2/NDF: 20.7/23

Left Out: 467.929+/-294.257 χ^2/NDF:44.1/24

Right Out: 126.590+/-339.394 χ^2/NDF: 27.3/29

Left In: -503.558+/-307.055 χ^2/NDF:17.4/22

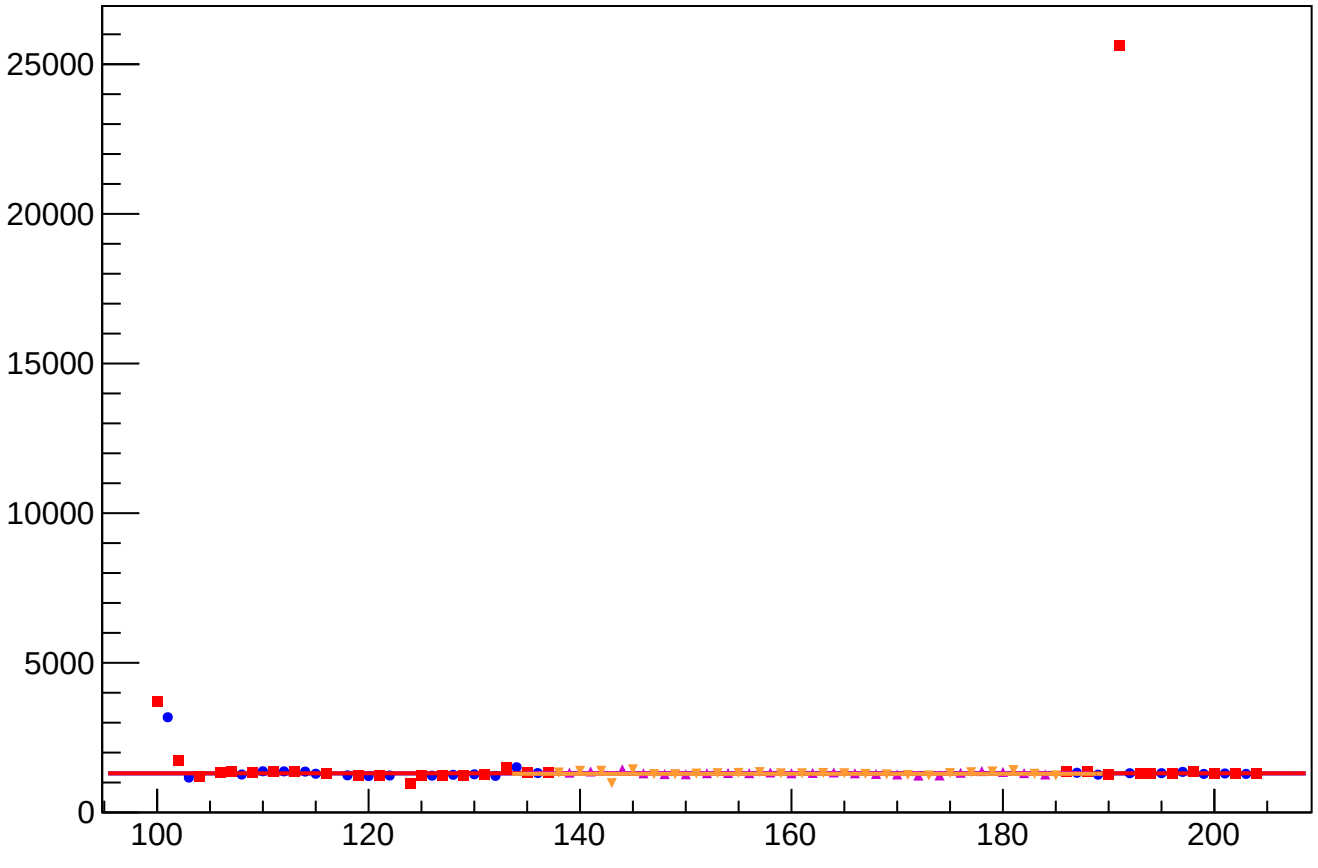
Left: 2.853+/-212.452 χ^2/NDF: 66.7/47

Right: -184.596+/-247.725 χ^2/NDF: 49.8/53

In: -518.542+/-234.274 χ^2/NDF:38.1/46

Out: 321.452+/-222.329 χ^2/NDF:72.0/54

All: -76.587+/-161.268 χ^2/NDF: 116.9/101



Right In: 1304.314+/-0.256 χ^2/NDF: 514914.1/23

Left Out: 1291.211+/-0.208 χ^2/NDF:230735.1/24

Right Out: 1307.876+/-0.240 χ^2/NDF: 363539.1/29

Left In: 1314.006+/-0.217 χ^2/NDF:43044.7/22

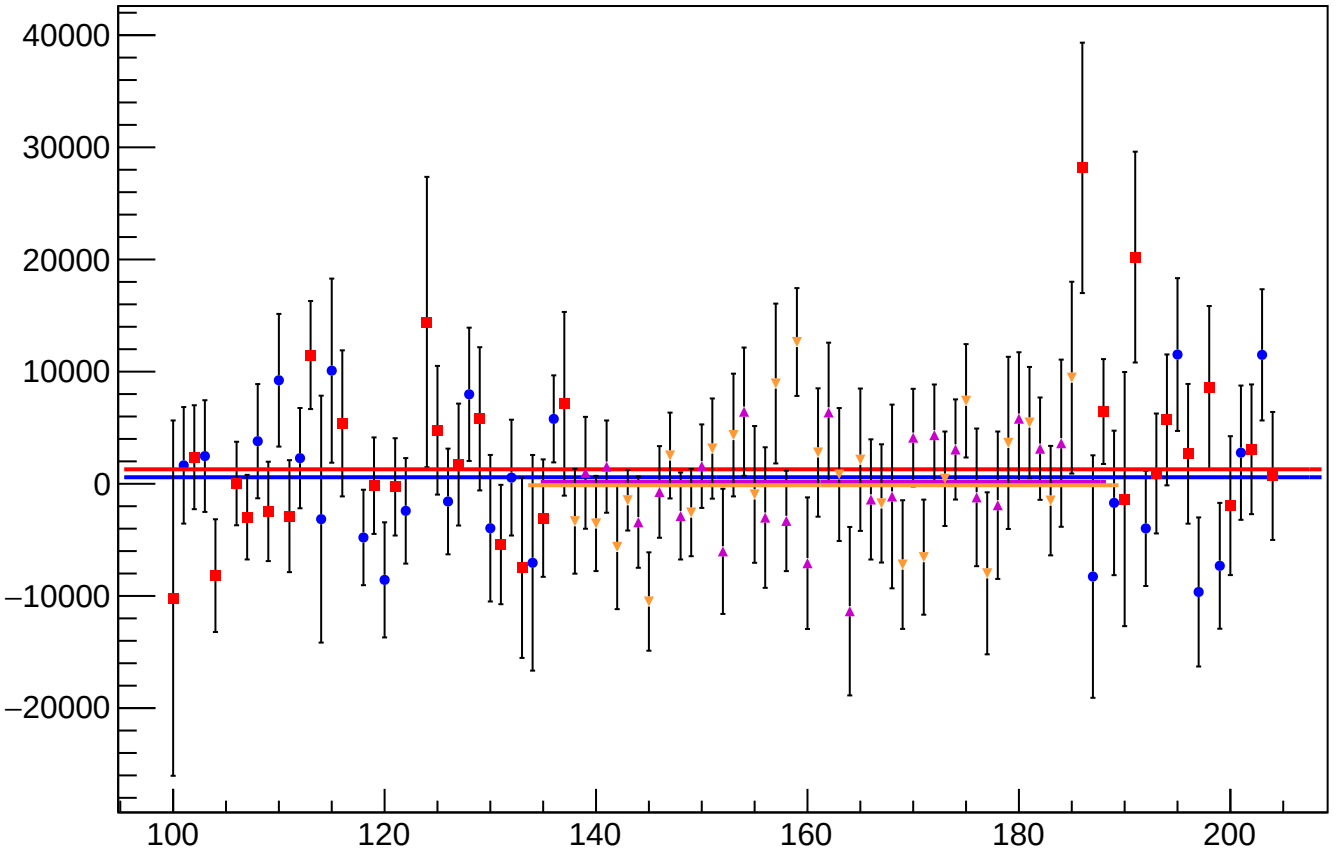
Left: 1302.123+/-0.150 χ^2/NDF: 279525.5/47

Right: 1306.213+/-0.175 χ^2/NDF: 878556.1/53

In: 1309.956+/-0.166 χ^2/NDF:558791.4/46

Out: 1298.365+/-0.157 χ^2/NDF:597028.3/54

All: 1303.857+/-0.114 χ^2/NDF: 1158395.7/10



Right In: 583.551+/-1138.726 χ^2/NDF: 26.3/23

Left Out: -127.273+/-977.231 χ^2/NDF:28.6/24

Right Out: 1292.677+/-1019.096 χ^2/NDF: 31.1/29

Left In: 159.452+/-1045.510 χ^2/NDF:13.8/22

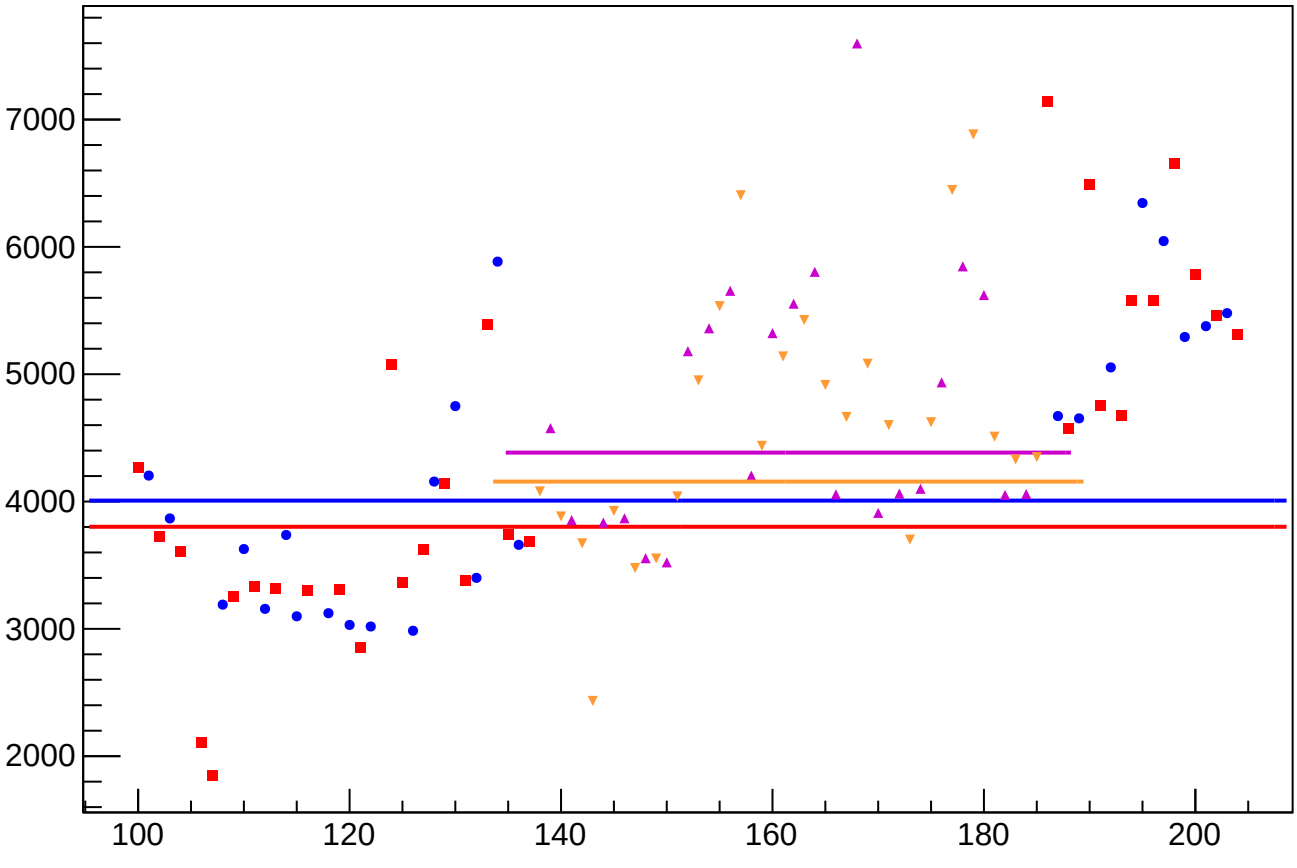
Left: 6.422+/-713.925 χ^2/NDF: 42.4/47

Right: 977.307+/-759.394 χ^2/NDF: 57.6/53

In: 353.436+/-770.136 χ^2/NDF:40.2/46

Out: 552.937+/-705.343 χ^2/NDF:60.6/54

All: 461.930+/-520.153 χ^2/NDF: 100.8/101



Right In: 4007.247+/-0.805 χ^2/NDF: 1521072.4/23

Left Out: 4156.582+/-0.691 χ^2/NDF:2080766.1/24

Right Out: 3801.788+/-0.721 χ^2/NDF: 2870355.6/29

Left In: 4384.323+/-0.739 χ^2/NDF:1255470.8/22

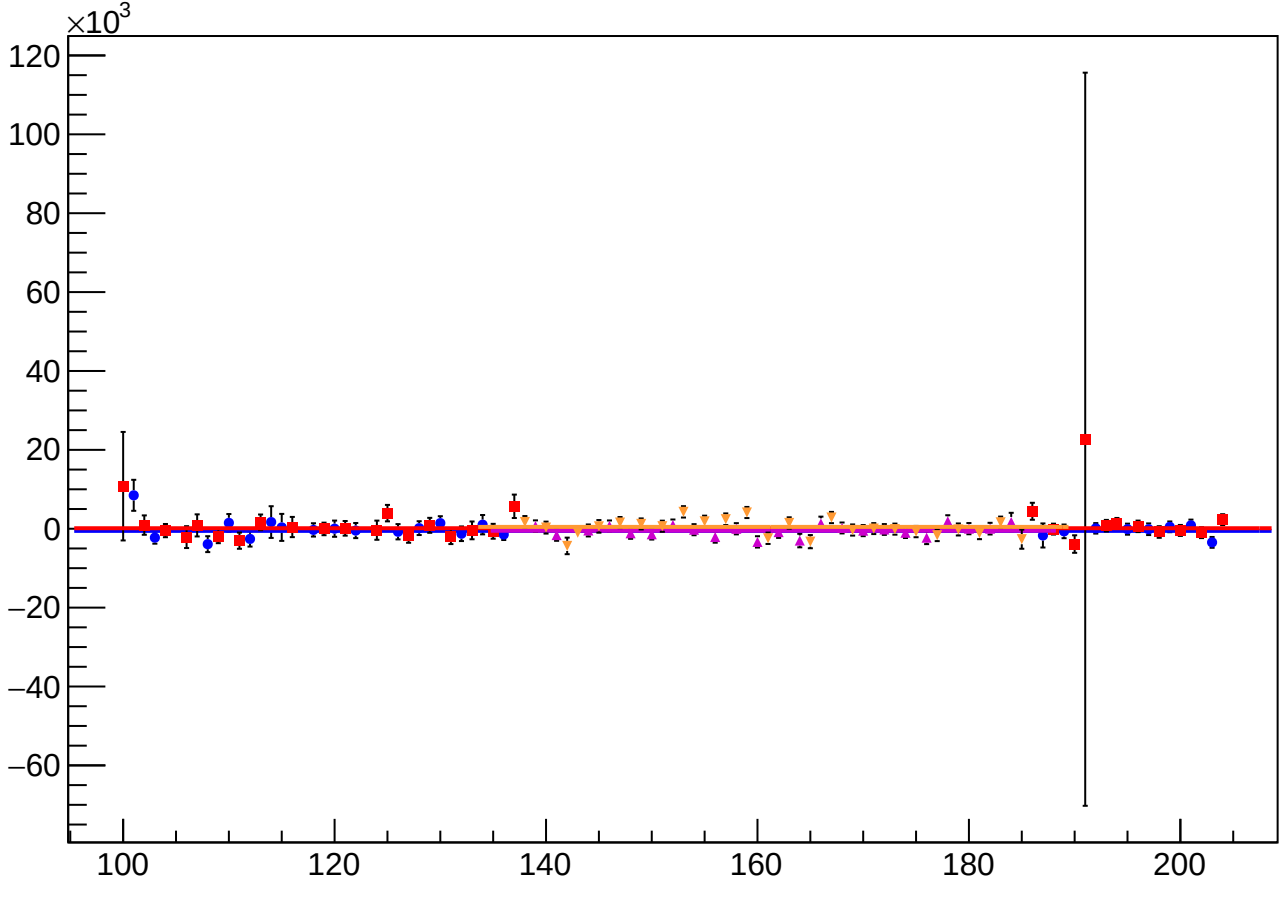
Left: 4262.773+/-0.505 χ^2/NDF: 3386885.6/47

Right: 3893.162+/-0.537 χ^2/NDF: 4427581.1/53

In: 4211.848+/-0.545 χ^2/NDF:2895538.2/46

Out: 3986.622+/-0.499 χ^2/NDF:5077408.4/54

All: 4089.363+/-0.368 χ^2/NDF: 8065970.4/10



Right In: -539.413+/-362.408 χ^2/NDF: 20.7/23

Left Out: 467.933+/-294.257 χ^2/NDF:44.1/24

Right Out: 126.587+/-339.394 χ^2/NDF: 27.3/29

Left In: -503.558+/-307.056 χ^2/NDF:17.4/22

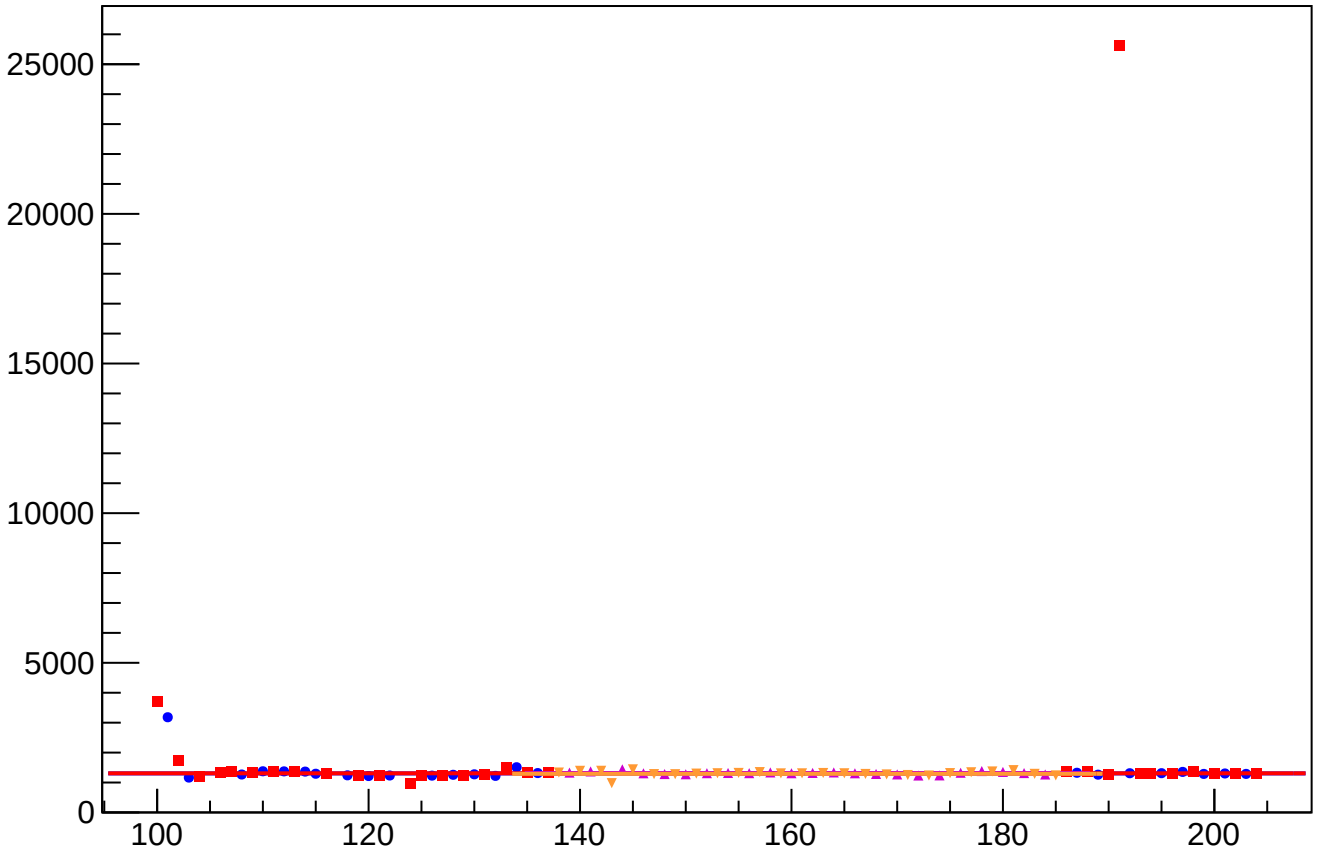
Left: 2.855+/-212.452 χ^2/NDF: 66.7/47

Right: -184.597+/-247.725 χ^2/NDF: 49.8/53

In: -518.541+/-234.274 χ^2/NDF:38.1/46

Out: 321.452+/-222.330 χ^2/NDF:72.0/54

All: -76.586+/-161.268 χ^2/NDF: 116.8/101



Right In: 1304.314+/-0.256 χ^2/NDF: 514914.3/23

Left Out: 1291.212+/-0.208 χ^2/NDF:230737.6/24

Right Out: 1307.876+/-0.240 χ^2/NDF: 363539.3/29

Left In: 1314.007+/-0.217 χ^2/NDF:43046.8/22

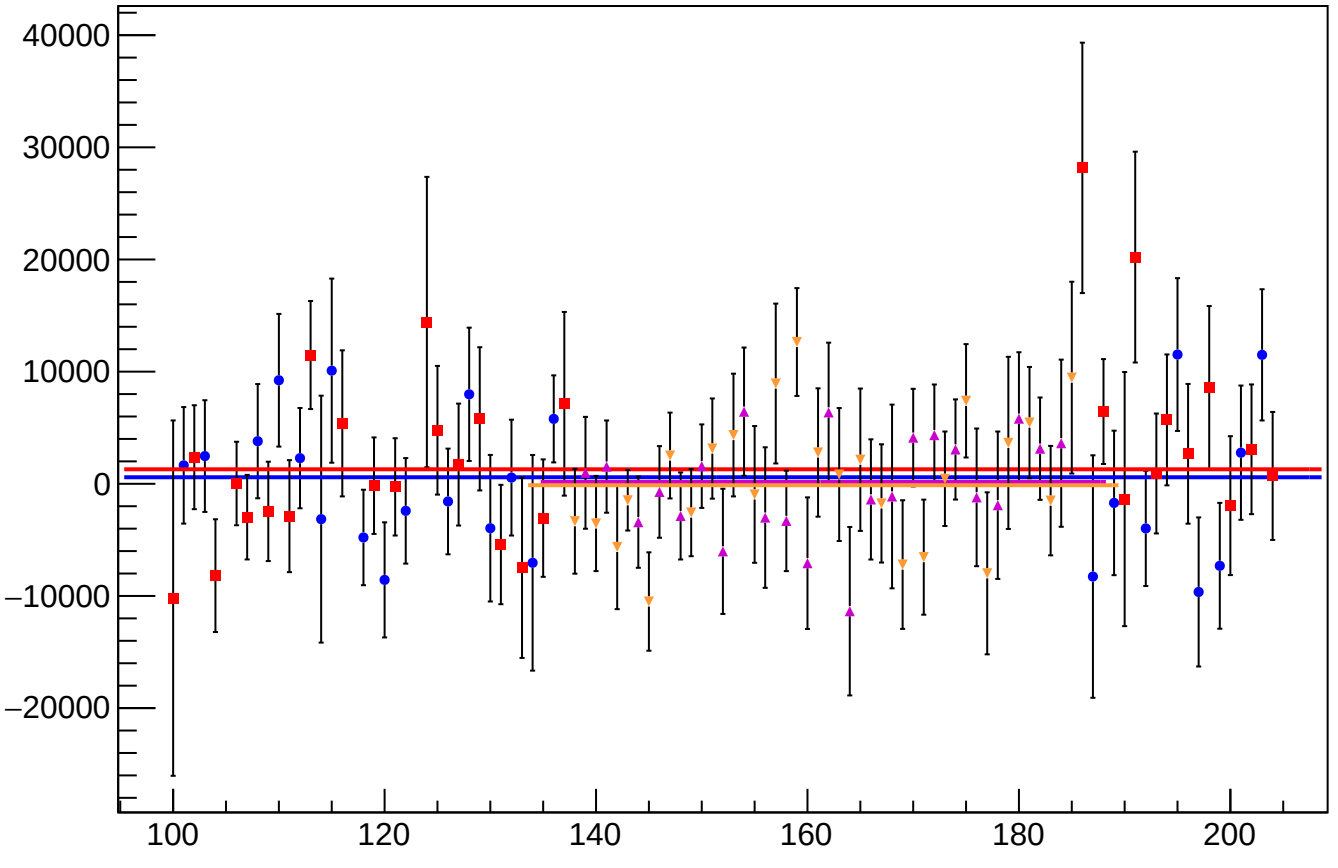
Left: 1302.125+/-0.150 χ^2/NDF: 279530.2/47

Right: 1306.213+/-0.175 χ^2/NDF: 878556.6/53

In: 1309.957+/-0.166 χ^2/NDF:558793.9/46

Out: 1298.366+/-0.157 χ^2/NDF:597030.7/54

All: 1303.858+/-0.114 χ^2/NDF: 1158400.7/10



Right In: 583.543+/-1138.724 χ^2/NDF: 26.3/23

Left Out: -127.271+/-977.232 χ^2/NDF:28.6/24

Right Out: 1292.670+/-1019.095 χ^2/NDF: 31.1/29

Left In: 159.454+/-1045.511 χ^2/NDF:13.8/22

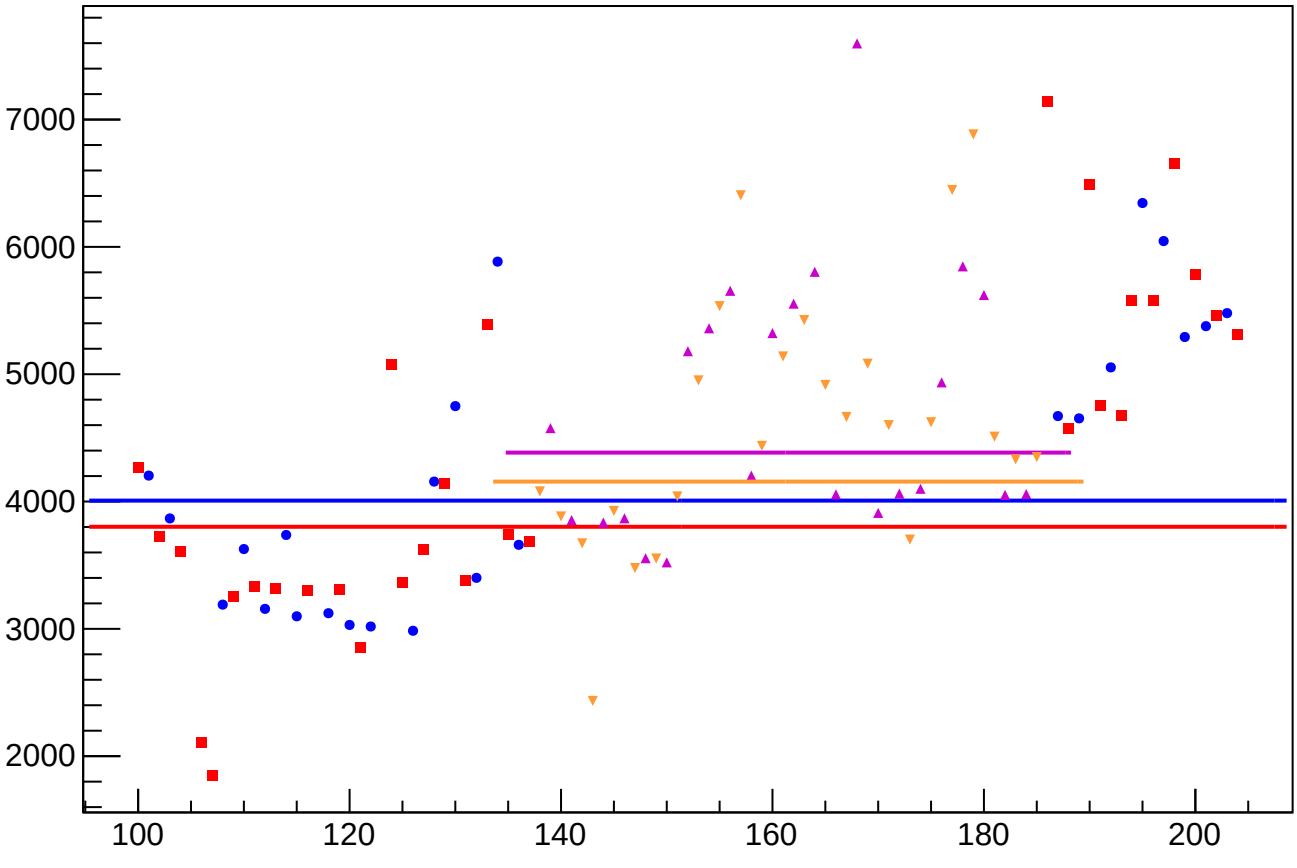
Left: 6.424+/-713.926 χ^2/NDF: 42.4/47

Right: 977.300+/-759.393 χ^2/NDF: 57.6/53

In: 353.433+/-770.137 χ^2/NDF:40.2/46

Out: 552.937+/-705.343 χ^2/NDF:60.6/54

All: 461.929+/-520.153 χ^2/NDF: 100.8/101



Right In: 4007.239+/-0.805 χ^2/NDF: 1521095.9/23

Left Out: 4156.588+/-0.691 χ^2/NDF:2080769.0/24

Right Out: 3801.781+/-0.721 χ^2/NDF: 2870380.1/29

Left In: 4384.329+/-0.739 χ^2/NDF:1255475.0/22

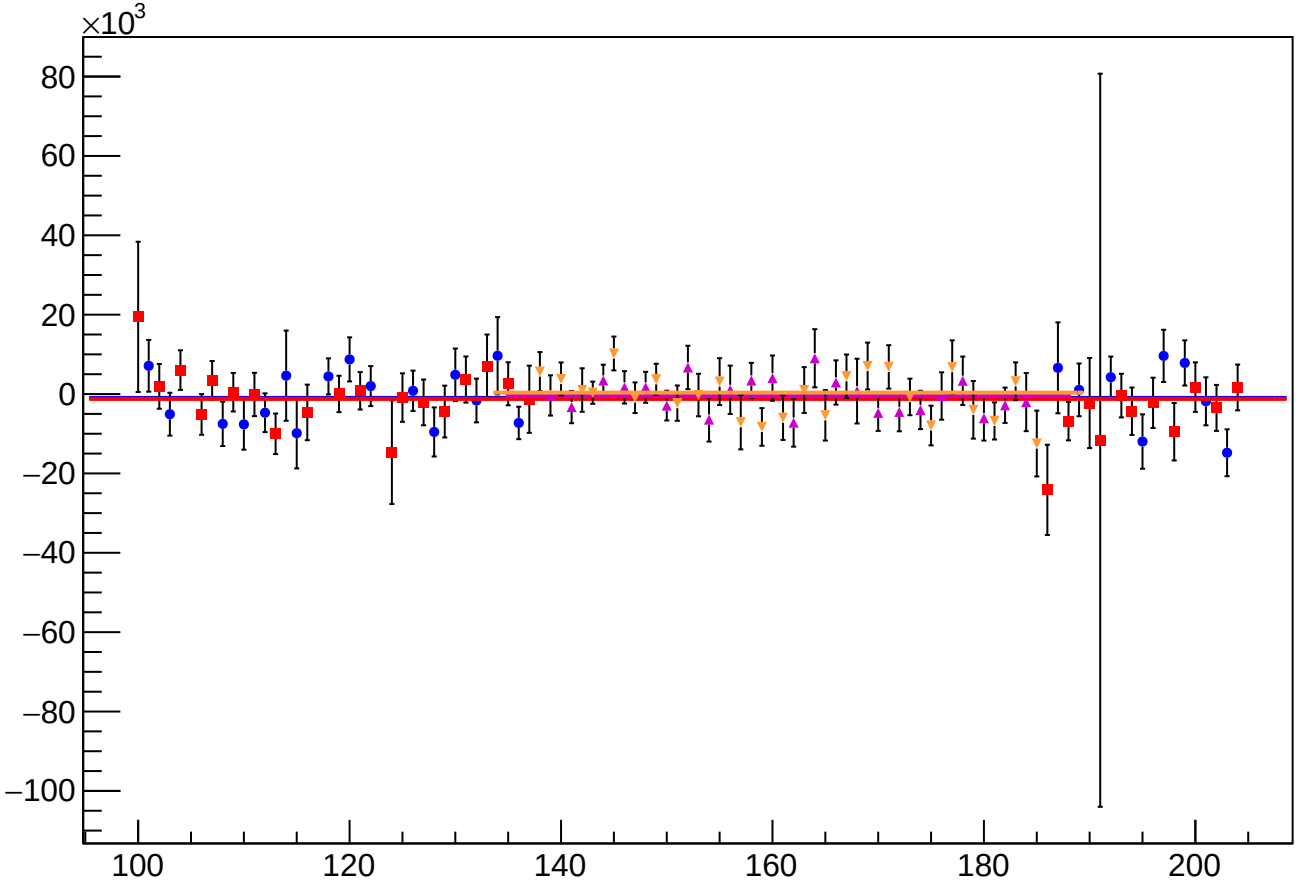
Left: 4262.780+/-0.505 χ^2/NDF: 3386892.6/47

Right: 3893.154+/-0.537 χ^2/NDF: 4427629.0/53

In: 4211.848+/-0.545 χ^2/NDF:2895574.8/46

Out: 3986.622+/-0.499 χ^2/NDF:5077445.3/54

All: 4089.363+/-0.368 χ^2/NDF: 8066043.8/10



Right In: -977.578+/-1206.984 χ^2/NDF: 32.2/23

Left Out: 362.528+/-979.860 χ^2/NDF:27.7/24

Right Out: -1221.385+/-1111.844 χ^2/NDF: 19.9/29

Left In: -497.522+/-1044.707 χ^2/NDF:13.9/22

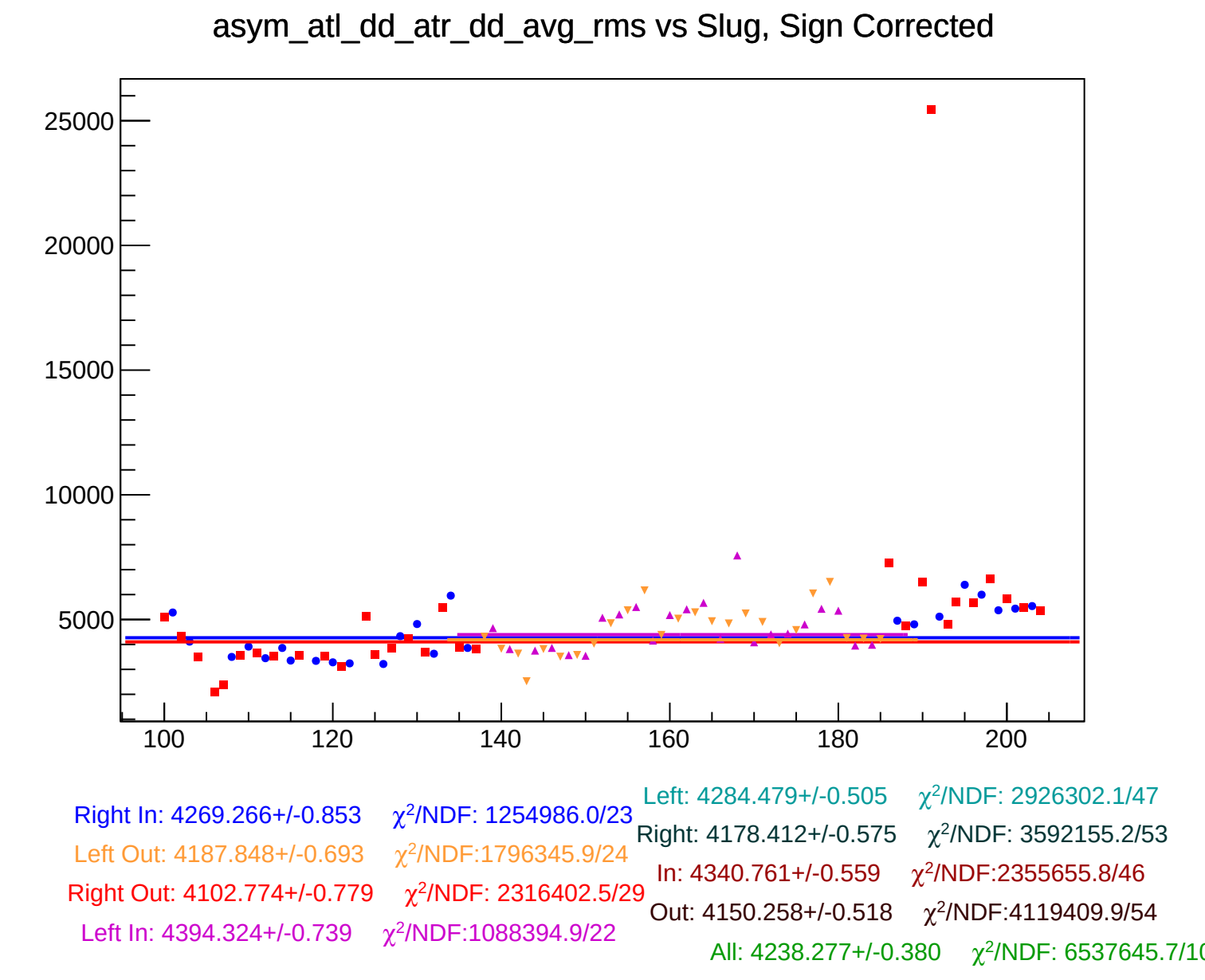
Left: -39.978+/-714.692 χ^2/NDF: 41.9/47

Right: -1109.468+/-817.761 χ^2/NDF: 52.1/53

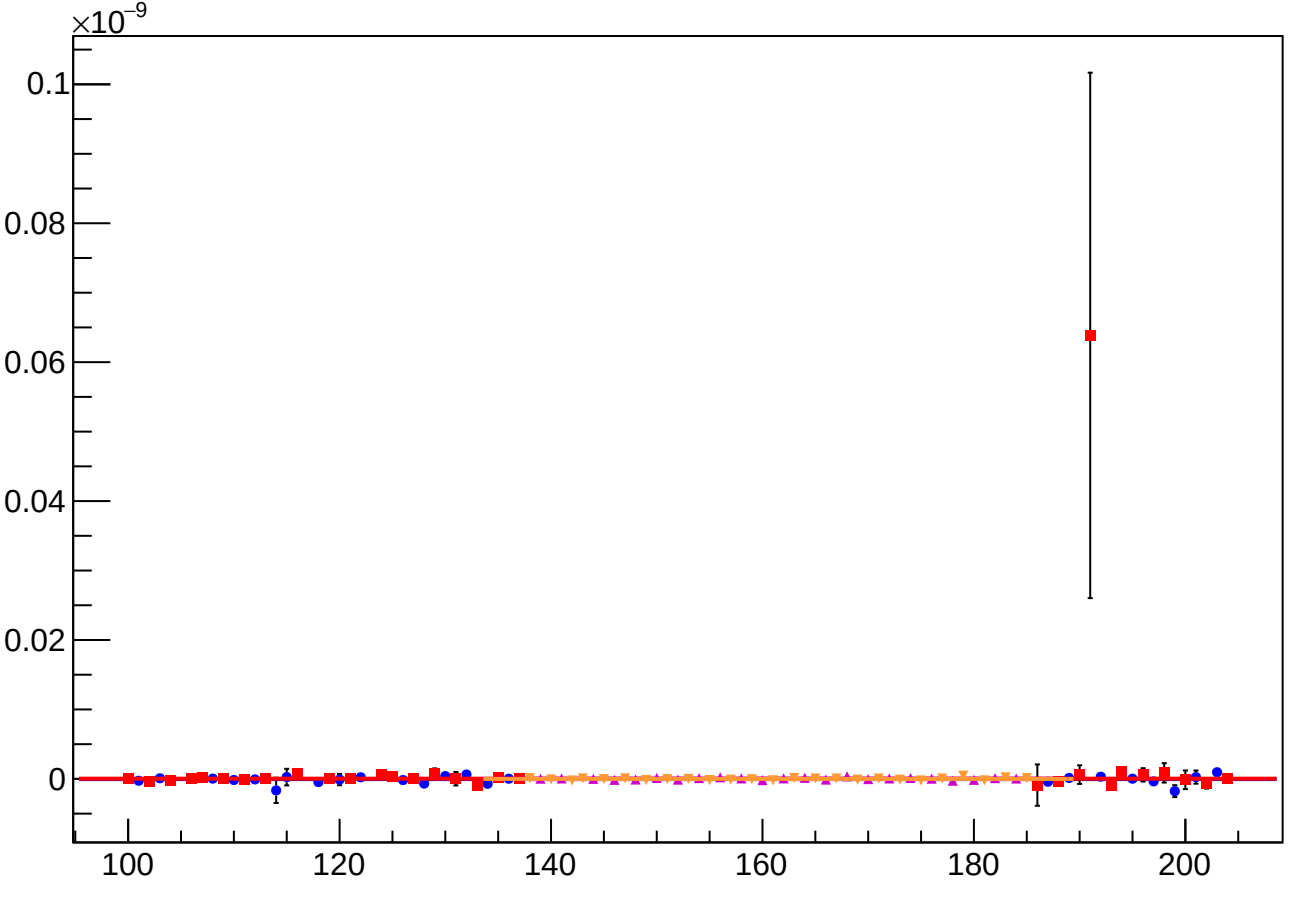
In: -703.132+/-789.909 χ^2/NDF:46.2/46

Out: -329.882+/-735.123 χ^2/NDF:48.7/54

All: -503.115+/-538.137 χ^2/NDF: 95.0/101


asym_atl_dd_atr_dd_avg_rms vs Slug, Sign Corrected
25000
20000
15000
10000
5000
100
120
140
160
180
200
Right In: 4269.266+/-0.853 χ²/NDF: 1254986.0/23
Left Out: 4187.848+/-0.693 χ²/NDF:1796345.9/24
Right Out: 4102.774+/-0.779 χ²/NDF: 2316402.5/29
Left In: 4394.324+/-0.739 χ²/NDF:1088394.9/22
Left: 4284.479+/-0.505 χ²/NDF: 2926302.1/47
Right: 4178.412+/-0.575 χ²/NDF: 3592155.2/53
In: 4340.761+/-0.559 χ²/NDF:2355655.8/46
Out: 4150.258+/-0.518 χ²/NDF:4119409.9/54
All: 4238.277+/-0.380 χ²/NDF: 6537645.7/10

asym_atl_dd_atr_dd_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 27.8/23

Left Out: -0.000+/-0.000 χ^2/NDF:30.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 27.3/29

Left In: 0.000+/-0.000 χ^2/NDF:17.0/22

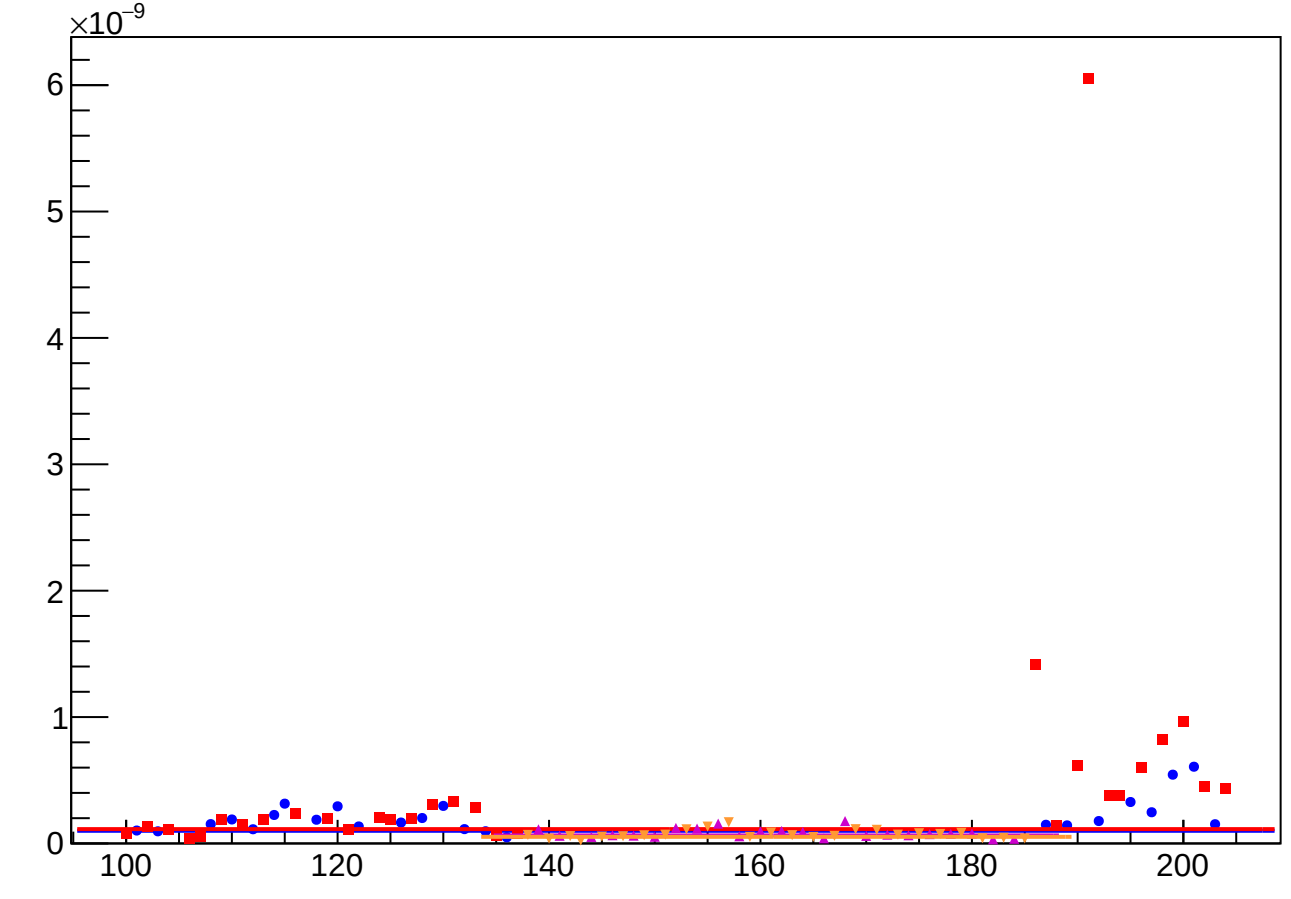
Left: 0.000+/-0.000 χ^2/NDF: 48.0/47

Right: 0.000+/-0.000 χ^2/NDF: 55.6/53

In: 0.000+/-0.000 χ^2/NDF:45.4/46

Out: 0.000+/-0.000 χ^2/NDF:58.1/54

All: 0.000+/-0.000 χ^2/NDF: 103.6/101



Right In: 0.000+/-0.000 χ^2/NDF: 3122720.1/23

Left Out: 0.000+/-0.000 χ^2/NDF:2628519.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5888584.9/29

Left In: 0.000+/-0.000 χ^2/NDF:1788279.2/22

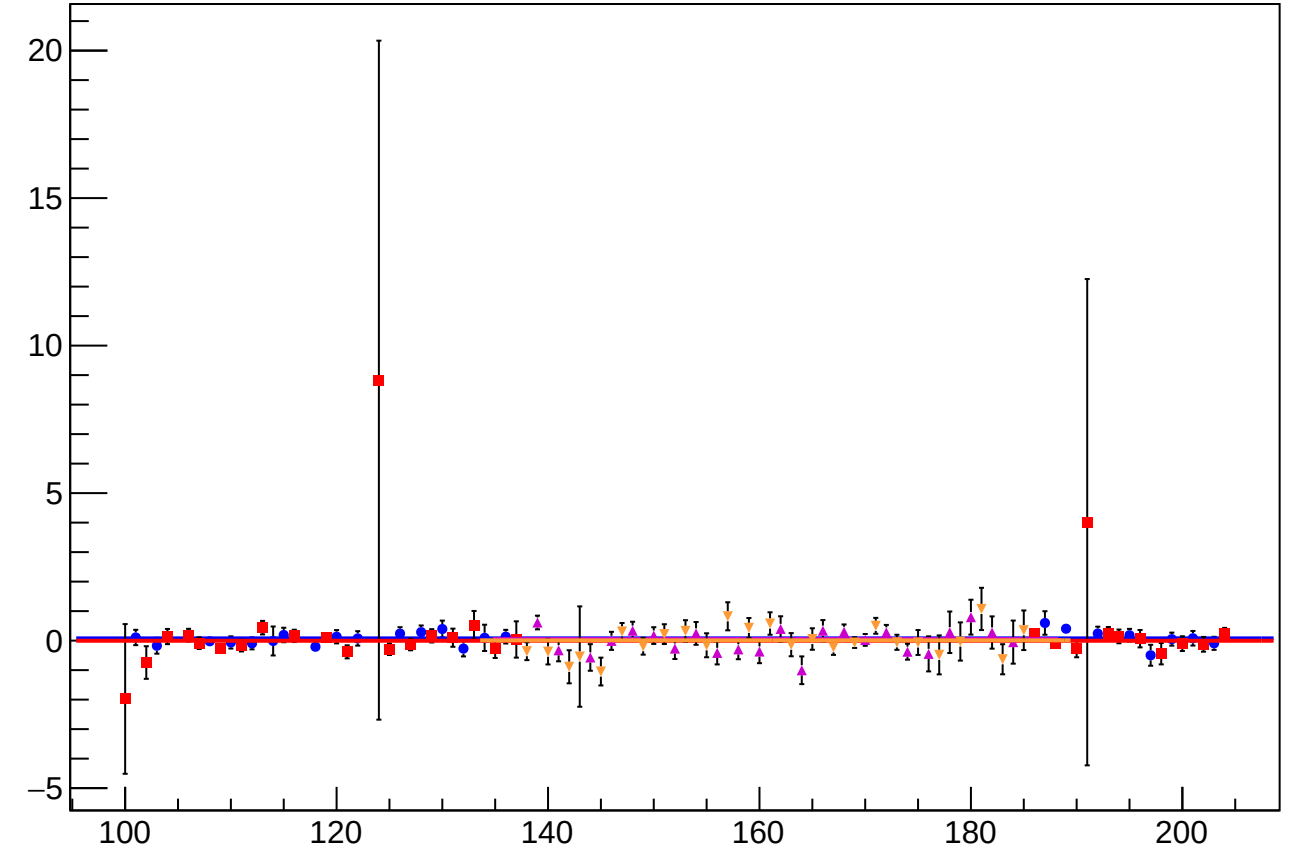
Left: 0.000+/-0.000 χ^2/NDF: 4618450.3/47

Right: 0.000+/-0.000 χ^2/NDF: 9061347.9/53

In: 0.000+/-0.000 χ^2/NDF:5618775.2/46

Out: 0.000+/-0.000 χ^2/NDF:10272463.3/54

All: 0.000+/-0.000 χ^2/NDF: 16105222.7/101



Right In: 0.076+/-0.047 χ^2/NDF: 20.4/23

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.005+/-0.040 χ^2/NDF: 30.6/29

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

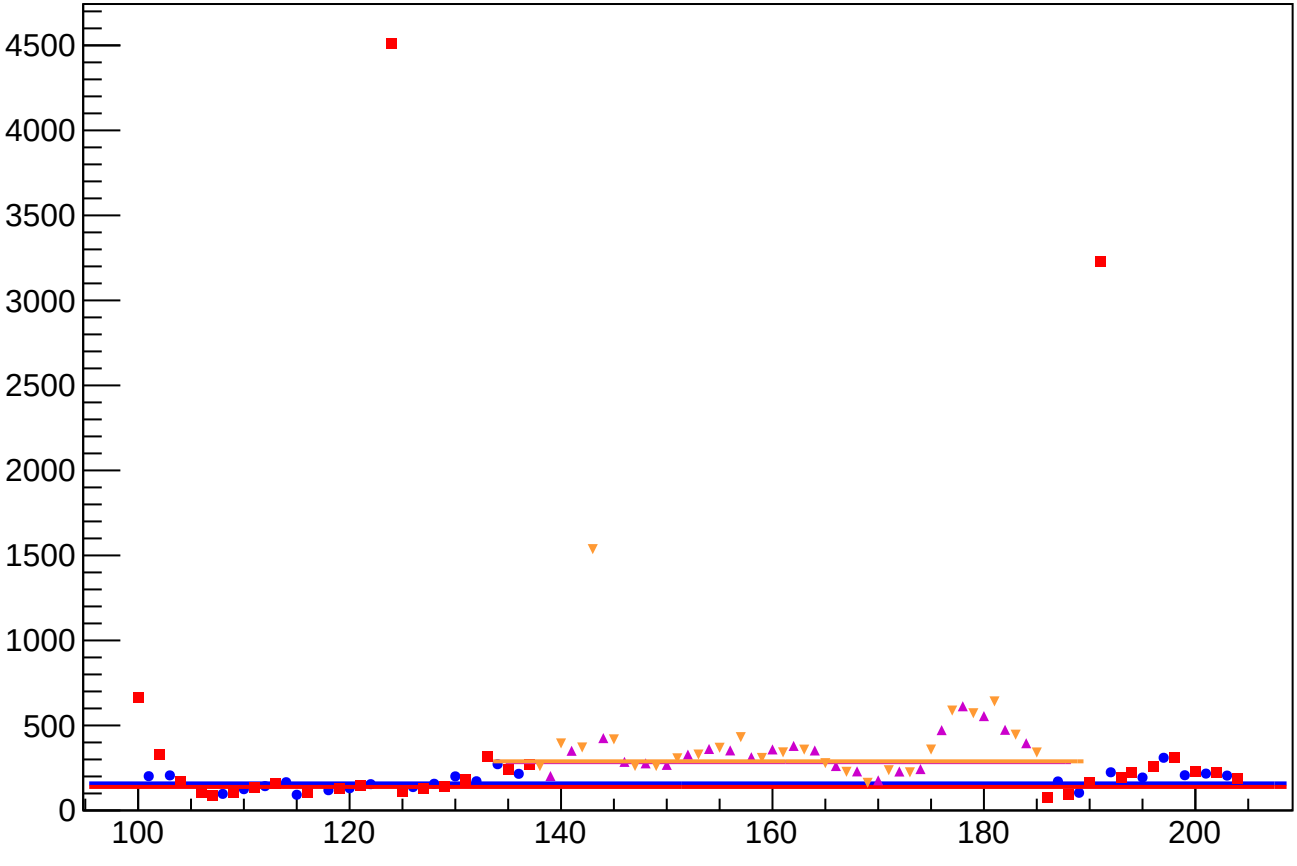
Right: 0.029+/-0.030 χ^2/NDF: 52.8/53

In: 0.069+/-0.039 χ^2/NDF:48.3/46

Out: -0.001+/-0.035 χ^2/NDF:59.6/54

All: 0.030+/-0.026 χ^2/NDF: 109.6/101

asym_atl_dd_atr_dd_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 159.097+/-0.033 χ^2/NDF: 2214803.8/23

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

Right Out: 138.355+/-0.028 χ^2/NDF: 4659408.8/29

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

Left: 286.524+/-0.035 χ^2/NDF: 7730236.9/47

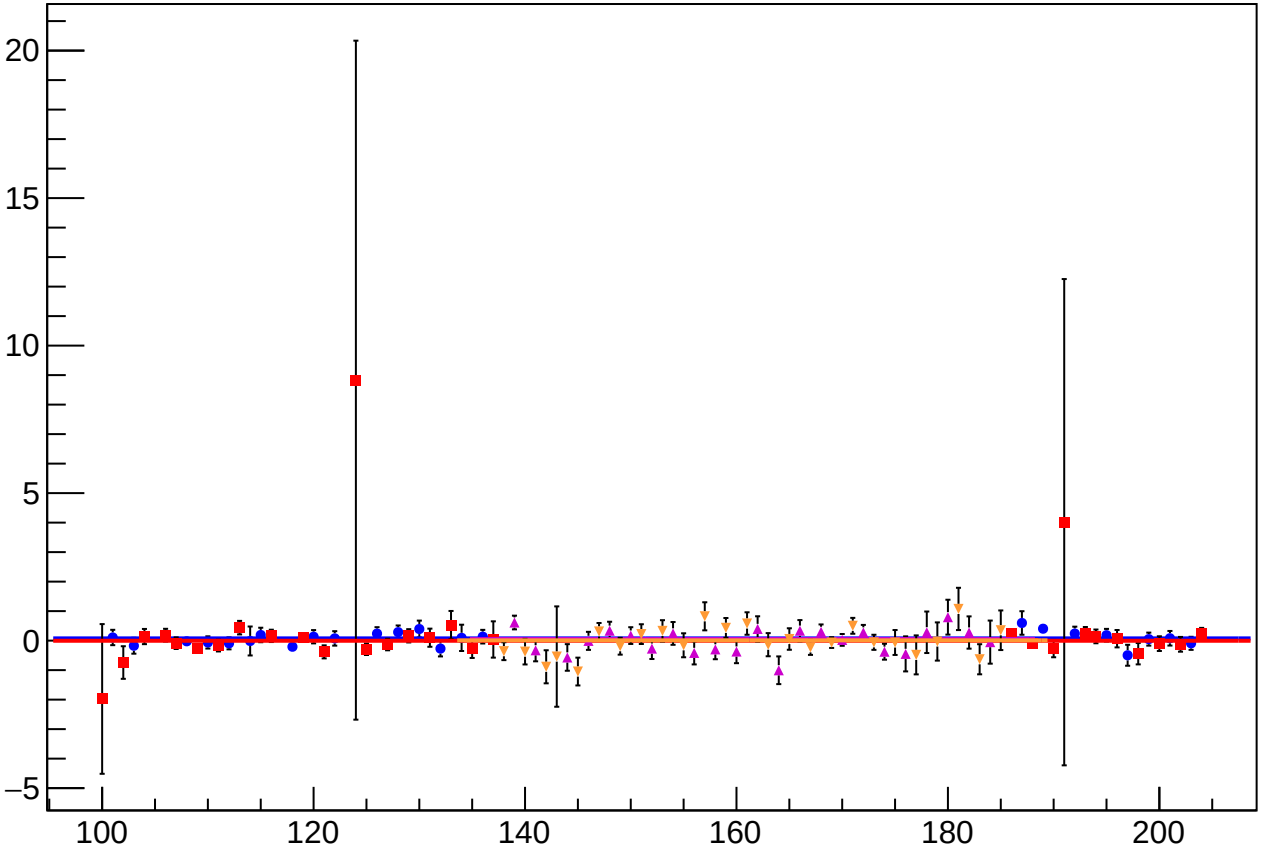
Right: 147.116+/-0.022 χ^2/NDF: 7100526.4/53

In: 197.499+/-0.028 χ^2/NDF:9666024.7/46

Out: 174.718+/-0.025 χ^2/NDF:16126227.8/54

All: 184.845+/-0.018 χ^2/NDF: 26171040.5/10

asym_atl_dd_atr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.076+/-0.047 χ^2/NDF: 20.4/23

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.005+/-0.040 χ^2/NDF: 30.6/29

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

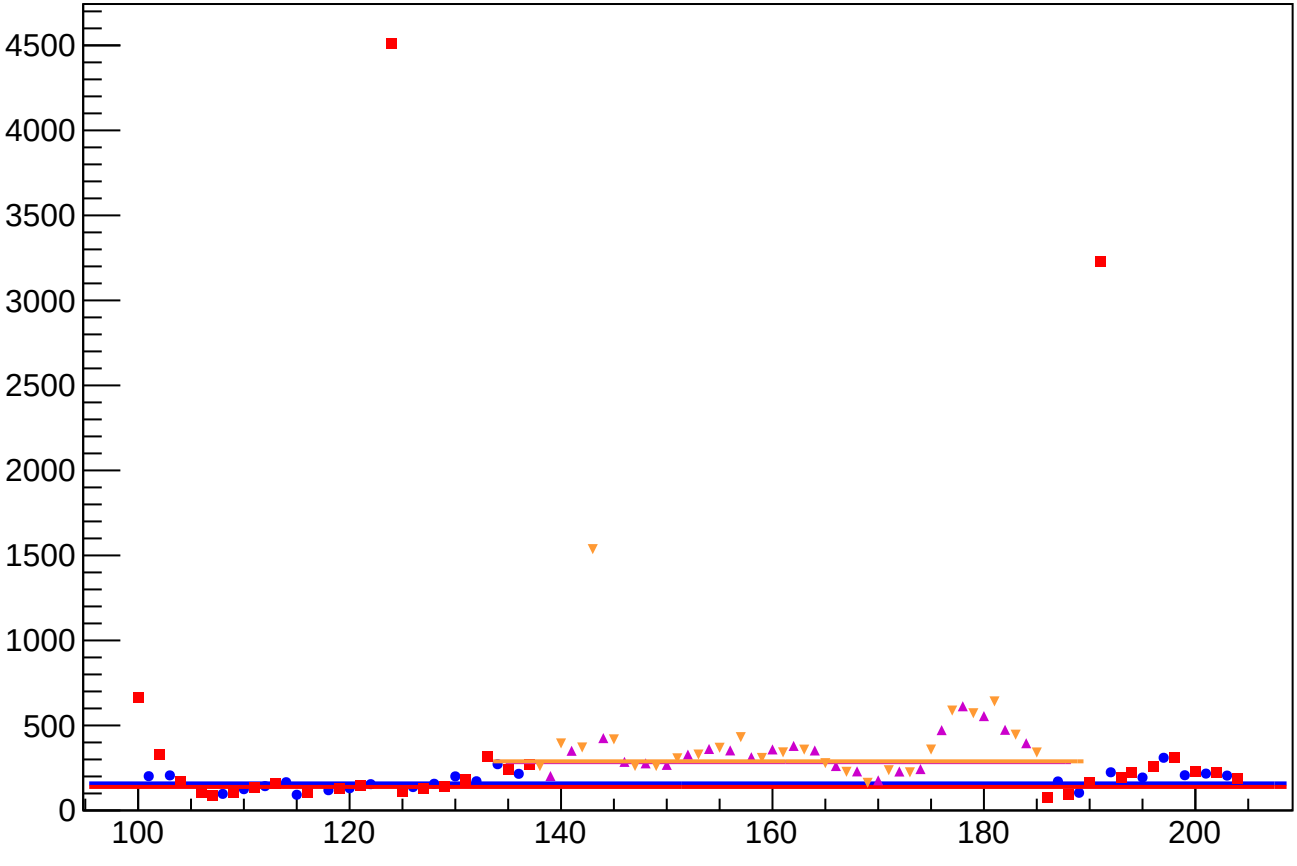
Right: 0.029+/-0.030 χ^2/NDF: 52.8/53

In: 0.069+/-0.039 χ^2/NDF:48.3/46

Out: -0.001+/-0.035 χ^2/NDF:59.6/54

All: 0.030+/-0.026 χ^2/NDF: 109.6/101

asym_atl_dd_atr_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 159.097+/-0.033 χ^2/NDF: 2214803.8/23

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

Right Out: 138.355+/-0.028 χ^2/NDF: 4659408.8/29

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

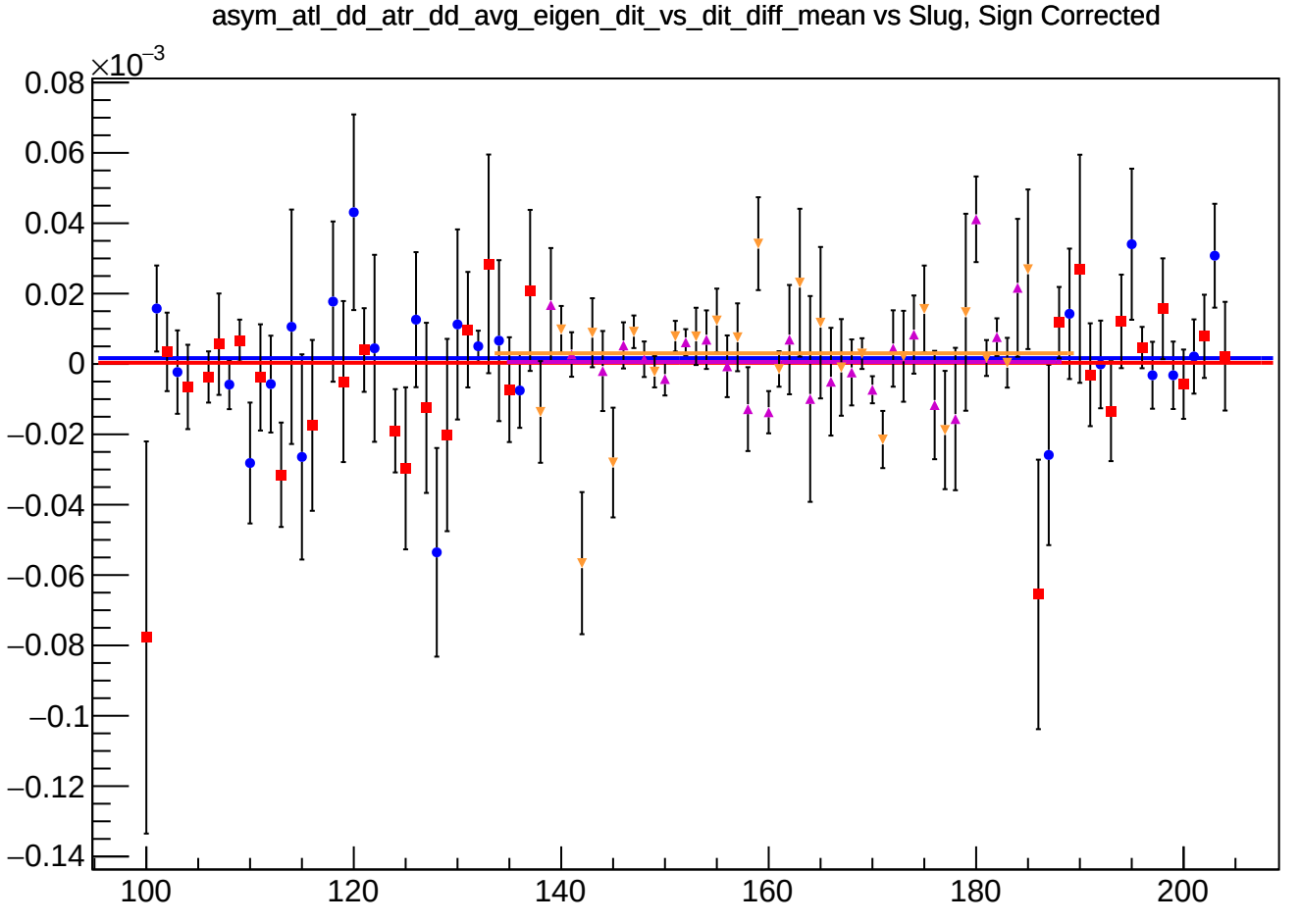
Left: 286.524+/-0.035 χ^2/NDF: 7730236.9/47

Right: 147.116+/-0.022 χ^2/NDF: 7100526.4/53

In: 197.499+/-0.028 χ^2/NDF:9666024.7/46

Out: 174.718+/-0.025 χ^2/NDF:16126227.8/54

All: 184.845+/-0.018 χ^2/NDF: 26171040.5/10



Right In: 0.000+/-0.000 χ^2/NDF: 23.2/23

Left Out: 0.000+/-0.000 χ^2/NDF:42.2/24

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

Left In: 0.000+/-0.000 χ^2/NDF:33.2/22

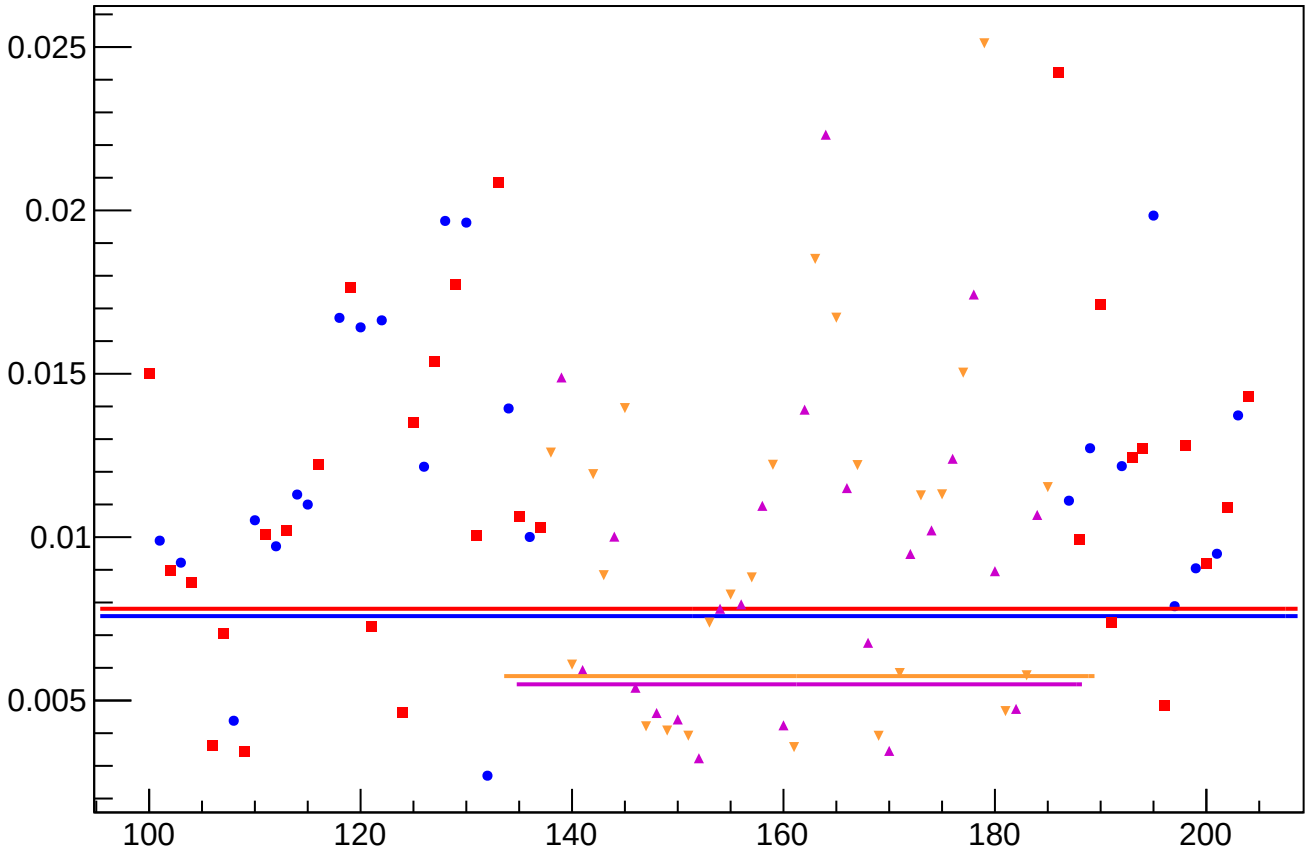
Left: 0.000+/-0.000 χ^2/NDF: 76.7/47

Right: 0.000+/-0.000 χ^2/NDF: 49.3/53

In: 0.000+/-0.000 χ^2/NDF:56.6/46

Out: 0.000+/-0.000 χ^2/NDF:69.1/54

All: 0.000+/-0.000 χ^2/NDF: 126.2/101



Right In: 0.008+/-0.000 χ^2/NDF: 6556165.2/23

Left Out: 0.006+/-0.000 χ^2/NDF:8128513.8/24

Right Out: 0.008+/-0.000 χ^2/NDF: 5952829.2/29

Left In: 0.005+/-0.000 χ^2/NDF:6937299.0/22

Left: 0.006+/-0.000 χ^2/NDF: 15093250.6/47

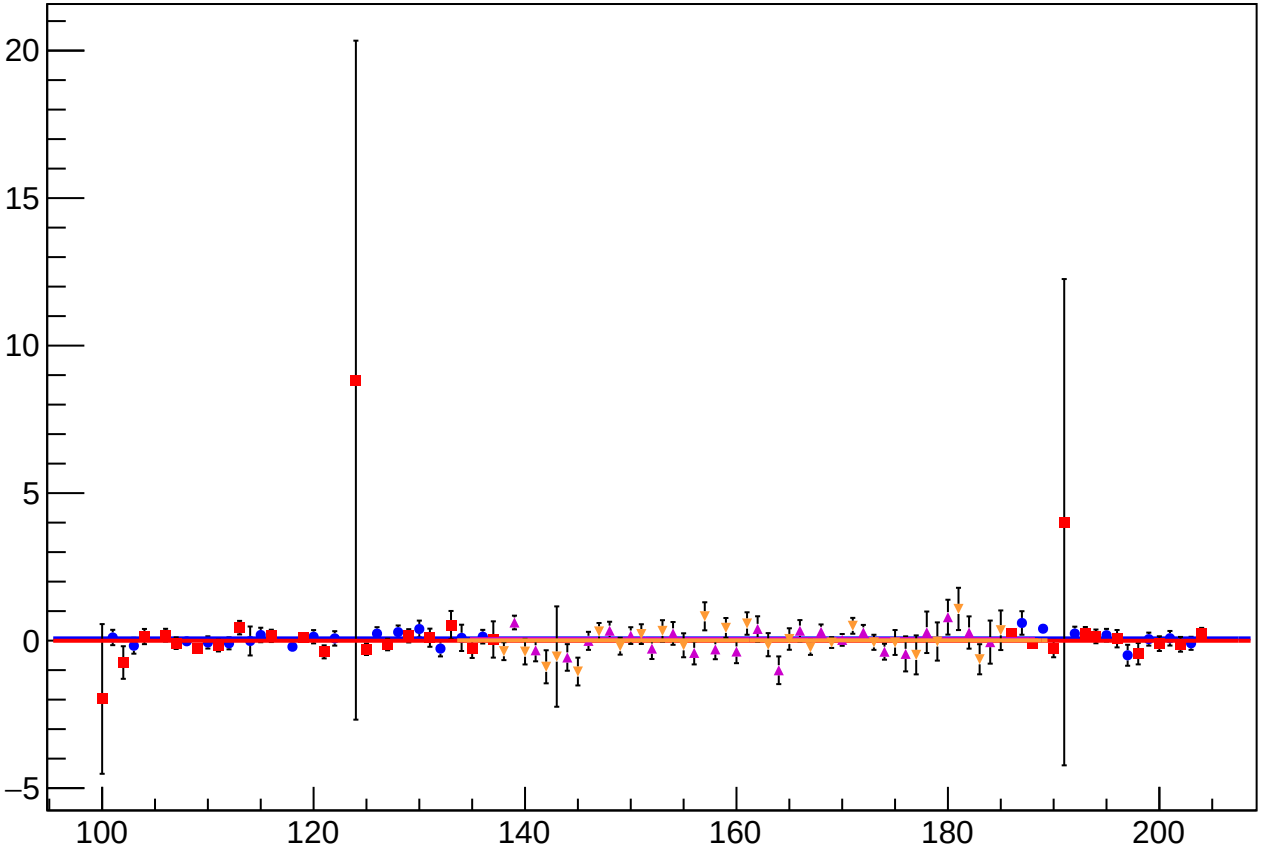
Right: 0.008+/-0.000 χ^2/NDF: 12517973.9/53

In: 0.006+/-0.000 χ^2/NDF:14537234.9/46

Out: 0.006+/-0.000 χ^2/NDF:15210789.0/54

All: 0.006+/-0.000 χ^2/NDF: 29807521.8/101

asym_atl_dd_atr_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.076+/-0.047 χ^2/NDF: 20.4/23

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.005+/-0.040 χ^2/NDF: 30.6/29

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

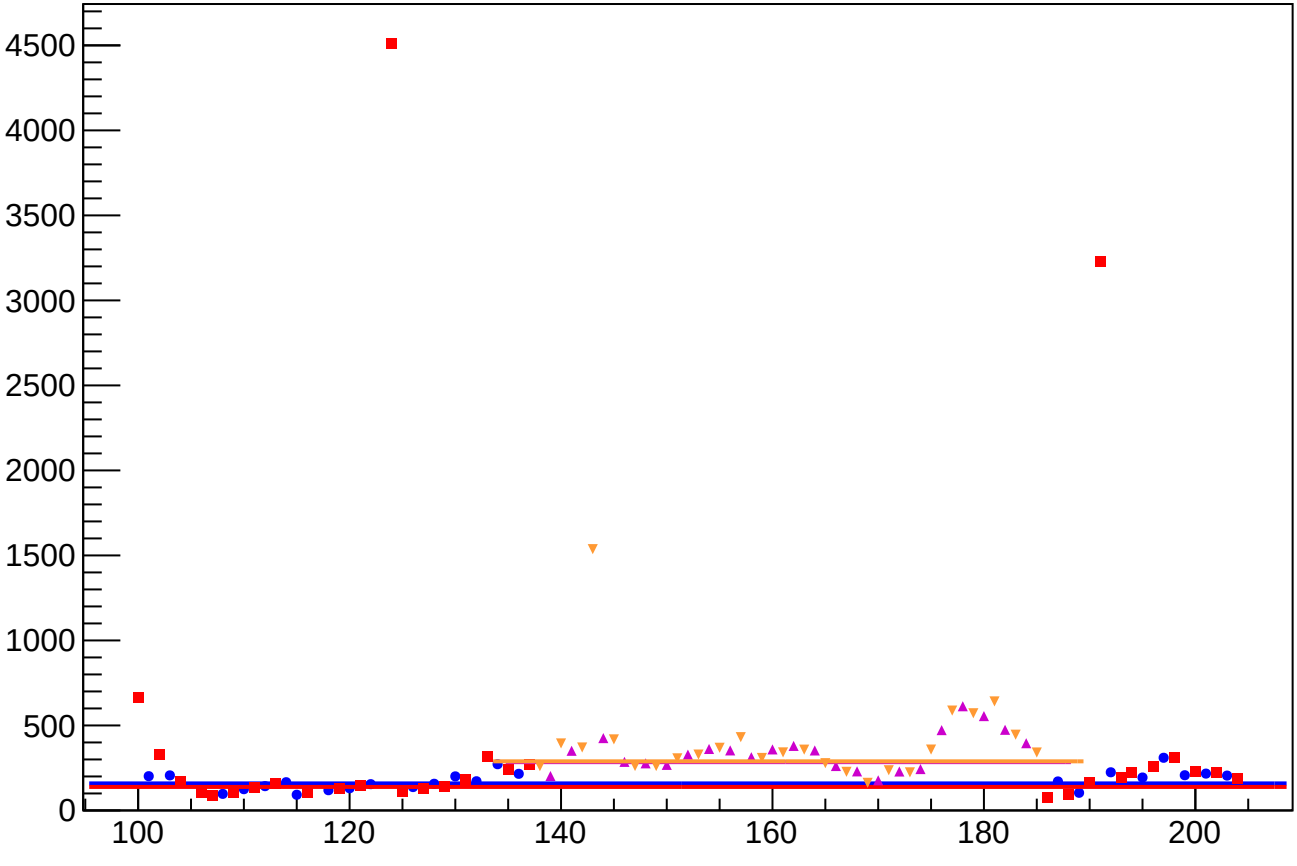
Right: 0.029+/-0.030 χ^2/NDF: 52.8/53

In: 0.069+/-0.039 χ^2/NDF:48.3/46

Out: -0.001+/-0.035 χ^2/NDF:59.5/54

All: 0.030+/-0.026 χ^2/NDF: 109.6/101

asym_atl_dd_atr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 159.097+/-0.033 χ^2/NDF: 2214809.2/23

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

Right Out: 138.357+/-0.028 χ^2/NDF: 4659243.2/29

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

Left: 286.525+/-0.035 χ^2/NDF: 7730531.8/47

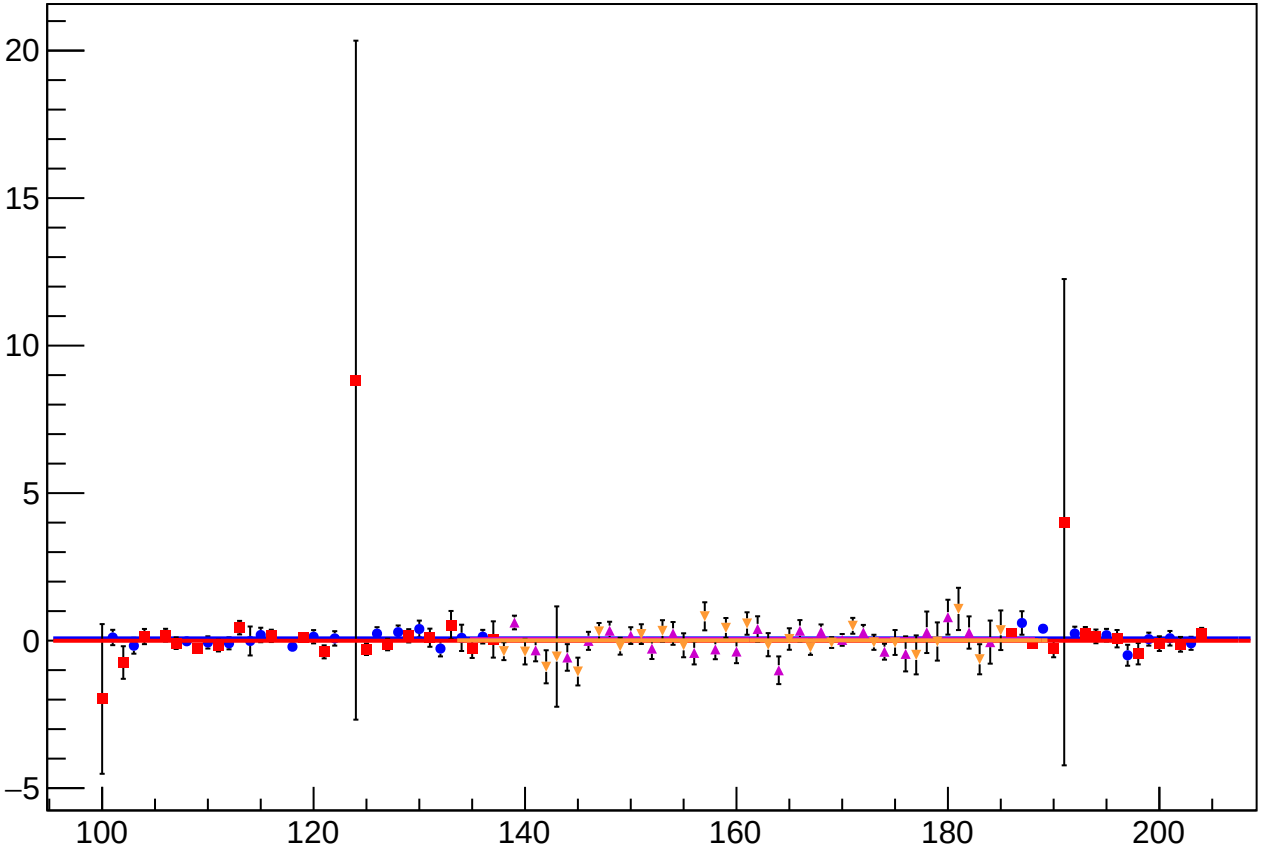
Right: 147.117+/-0.022 χ^2/NDF: 7100315.8/53

In: 197.498+/-0.028 χ^2/NDF:9666233.6/46

Out: 174.720+/-0.025 χ^2/NDF:16126036.6/54

All: 184.846+/-0.018 χ^2/NDF: 26170986.2/10

asym_atl_dd_atr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.076+/-0.047 χ^2/NDF: 20.4/23

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.005+/-0.040 χ^2/NDF: 30.6/29

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

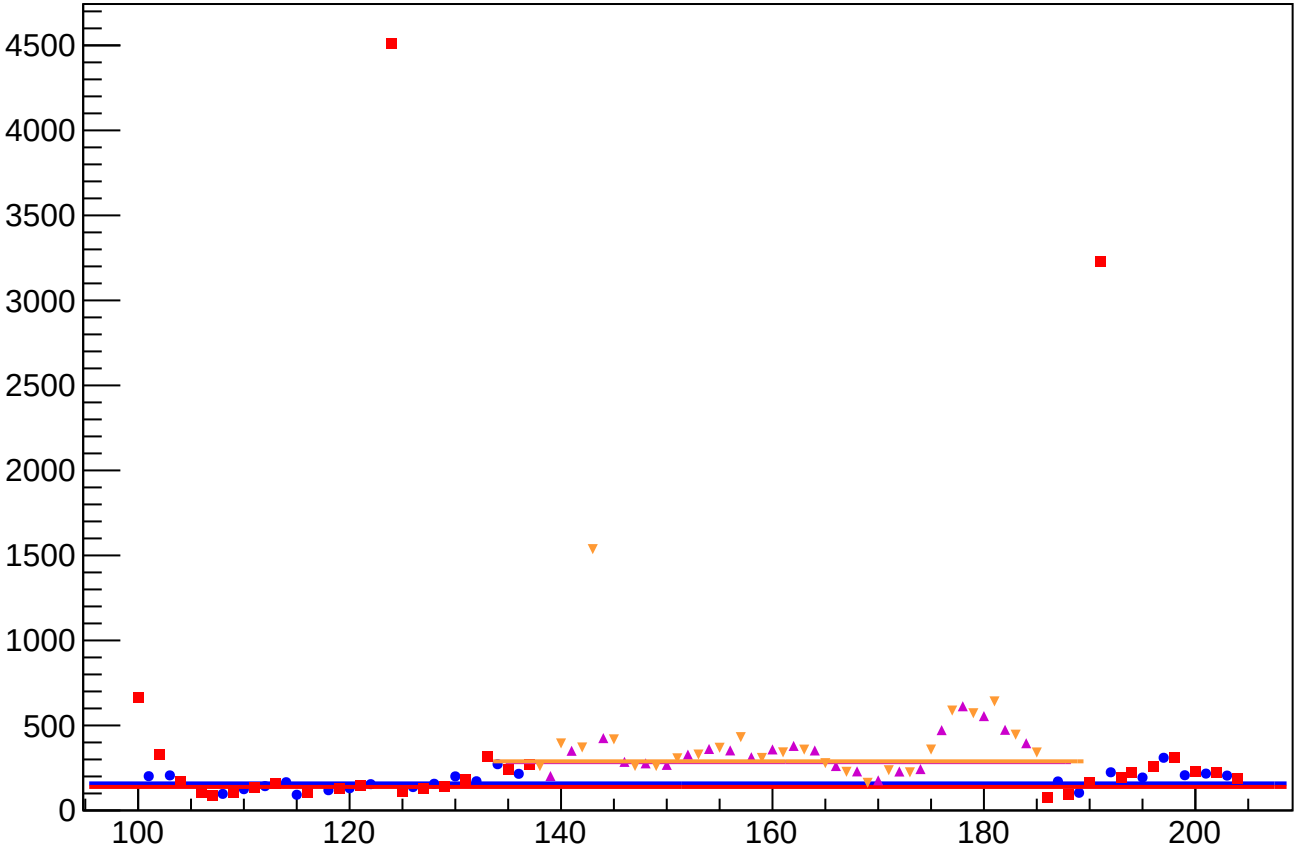
Right: 0.029+/-0.030 χ^2/NDF: 52.8/53

In: 0.069+/-0.039 χ^2/NDF:48.3/46

Out: -0.001+/-0.035 χ^2/NDF:59.5/54

All: 0.030+/-0.026 χ^2/NDF: 109.6/101

asym_atl_dd_atr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 159.097+/-0.033 χ^2/NDF: 2214809.2/23

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

Right Out: 138.357+/-0.028 χ^2/NDF: 4659243.2/29

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

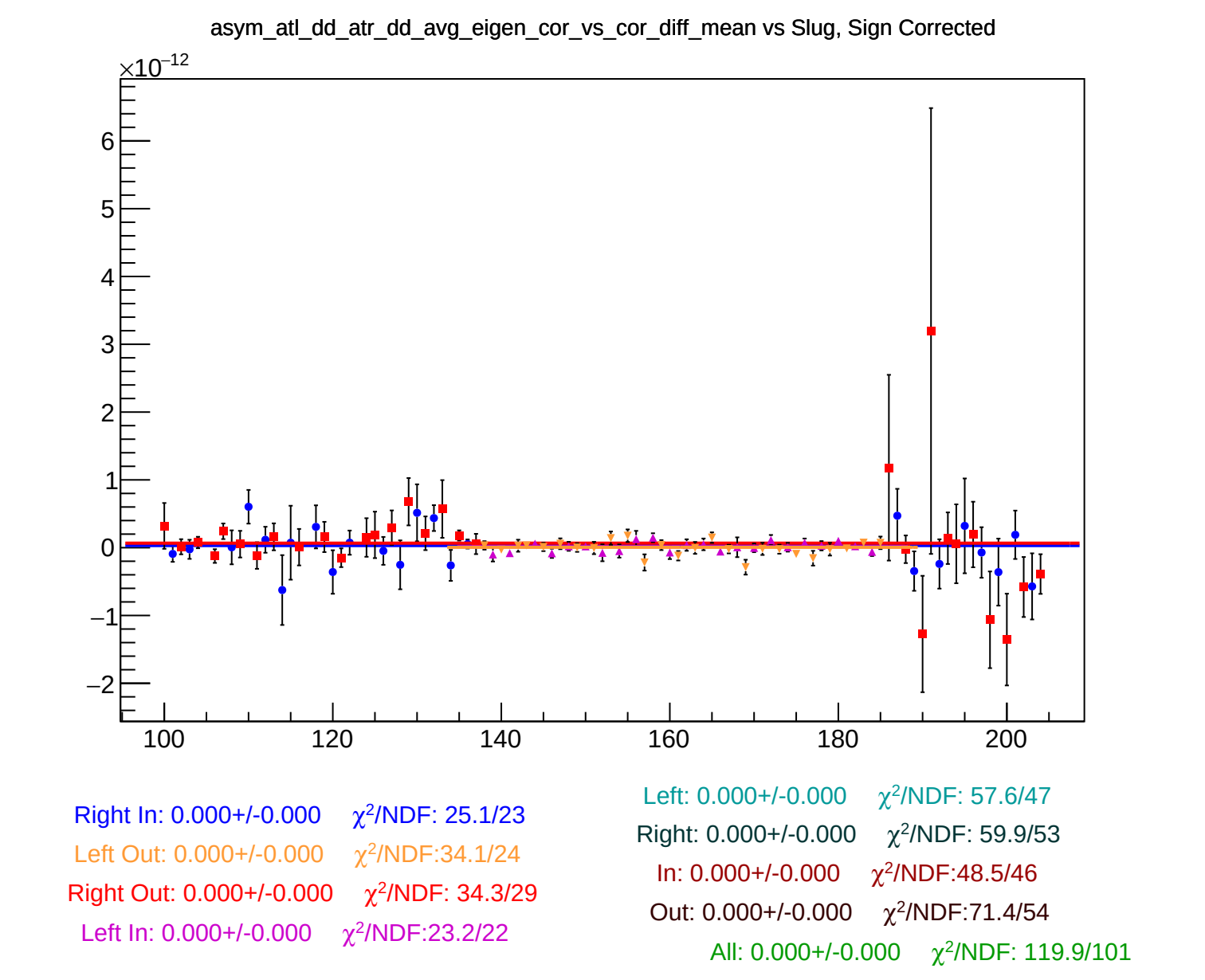
Left: 286.525+/-0.035 χ^2/NDF: 7730531.8/47

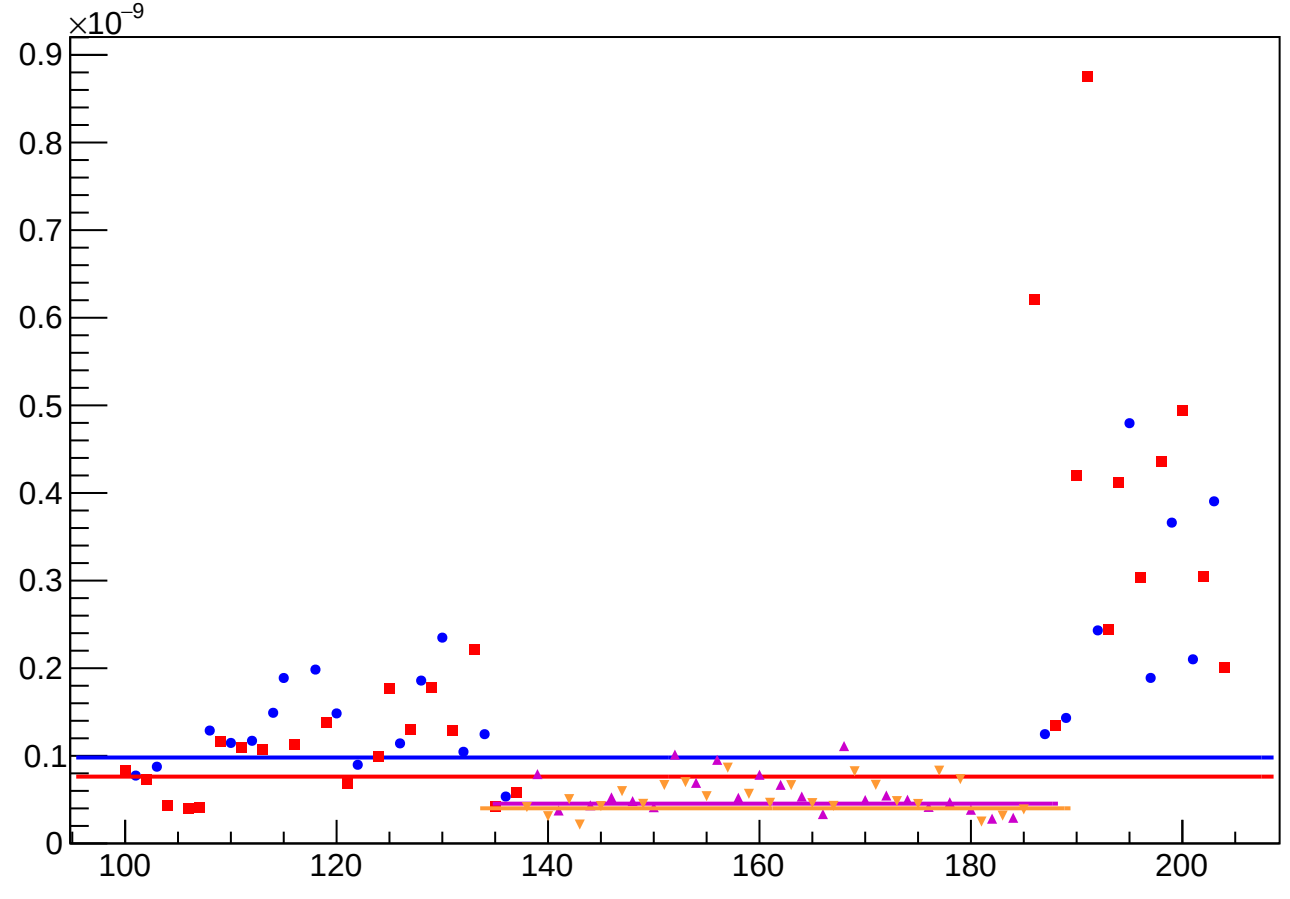
Right: 147.117+/-0.022 χ^2/NDF: 7100315.8/53

In: 197.498+/-0.028 χ^2/NDF:9666233.6/46

Out: 174.720+/-0.025 χ^2/NDF:16126036.6/54

All: 184.846+/-0.018 χ^2/NDF: 26170986.2/10


asym_atl_dd_atr_dd_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
6
5
4
3
2
1
0
−1
−2
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 25.1/23
Left Out: 0.000+/-0.000 χ²/NDF:34.1/24
Right Out: 0.000+/-0.000 χ²/NDF: 34.3/29
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: 59.9/53
In: 0.000+/-0.000 χ²/NDF:48.5/46
Out: 0.000+/-0.000 χ²/NDF:71.4/54
All: 0.000+/-0.000 χ²/NDF: 119.9/101



Right In: 0.000+/-0.000 χ^2/NDF: 4310749.4/23

Left Out: 0.000+/-0.000 χ^2/NDF:3609934.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6944811.2/29

Left In: 0.000+/-0.000 χ^2/NDF:2780344.5/22

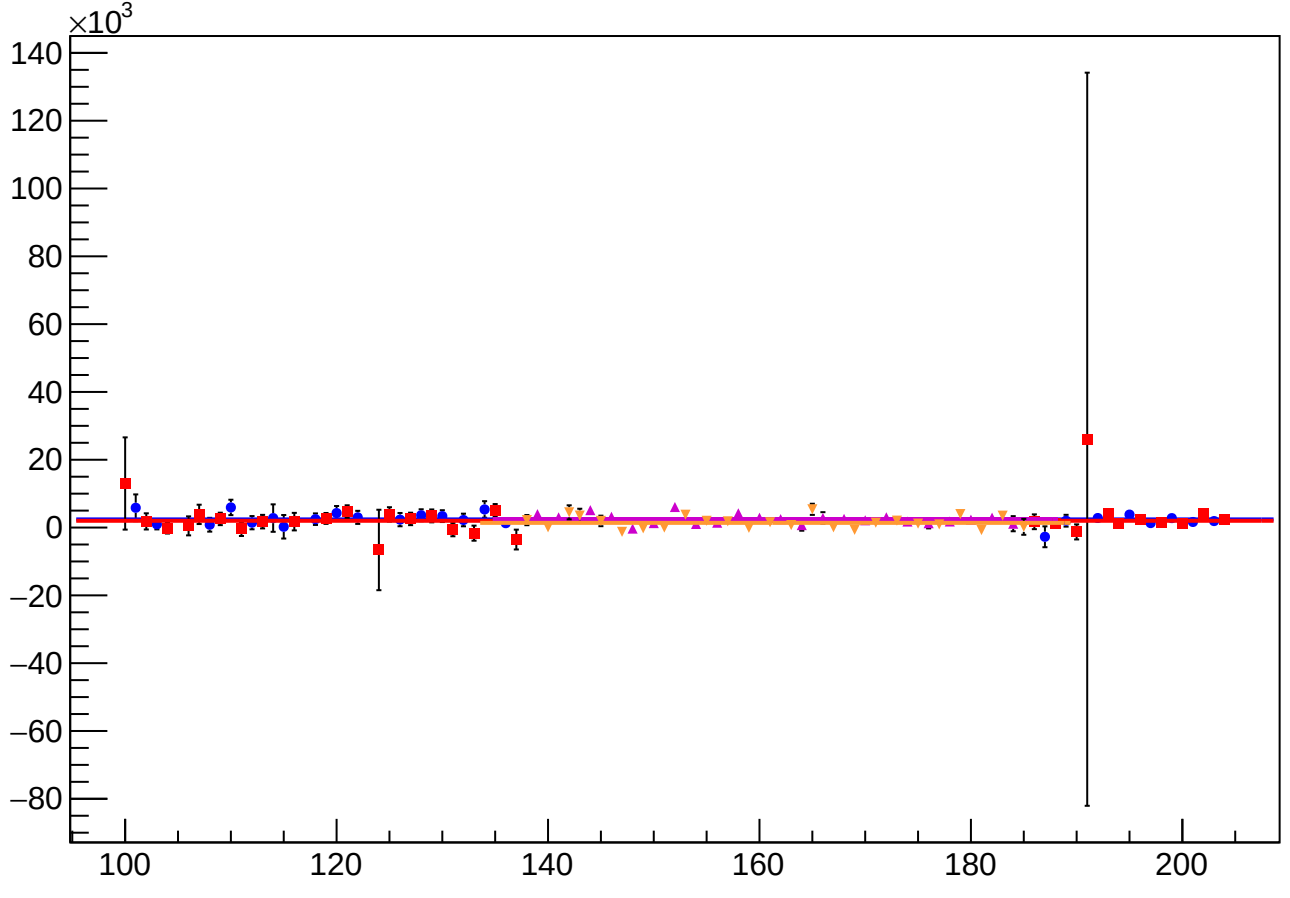
Left: 0.000+/-0.000 χ^2/NDF: 6559252.5/47

Right: 0.000+/-0.000 χ^2/NDF: 11599879.2/53

In: 0.000+/-0.000 χ^2/NDF:10080079.2/46

Out: 0.000+/-0.000 χ^2/NDF:12658284.9/54

All: 0.000+/-0.000 χ^2/NDF: 22995873.3/101



Right In: 2405.021+/-362.467 χ^2/NDF: 14.1/23

Left Out: 1383.252+/-292.777 χ^2/NDF:32.9/24

Right Out: 1999.174+/-341.828 χ^2/NDF: 28.1/29

Left In: 2519.365+/-298.095 χ^2/NDF:22.5/22

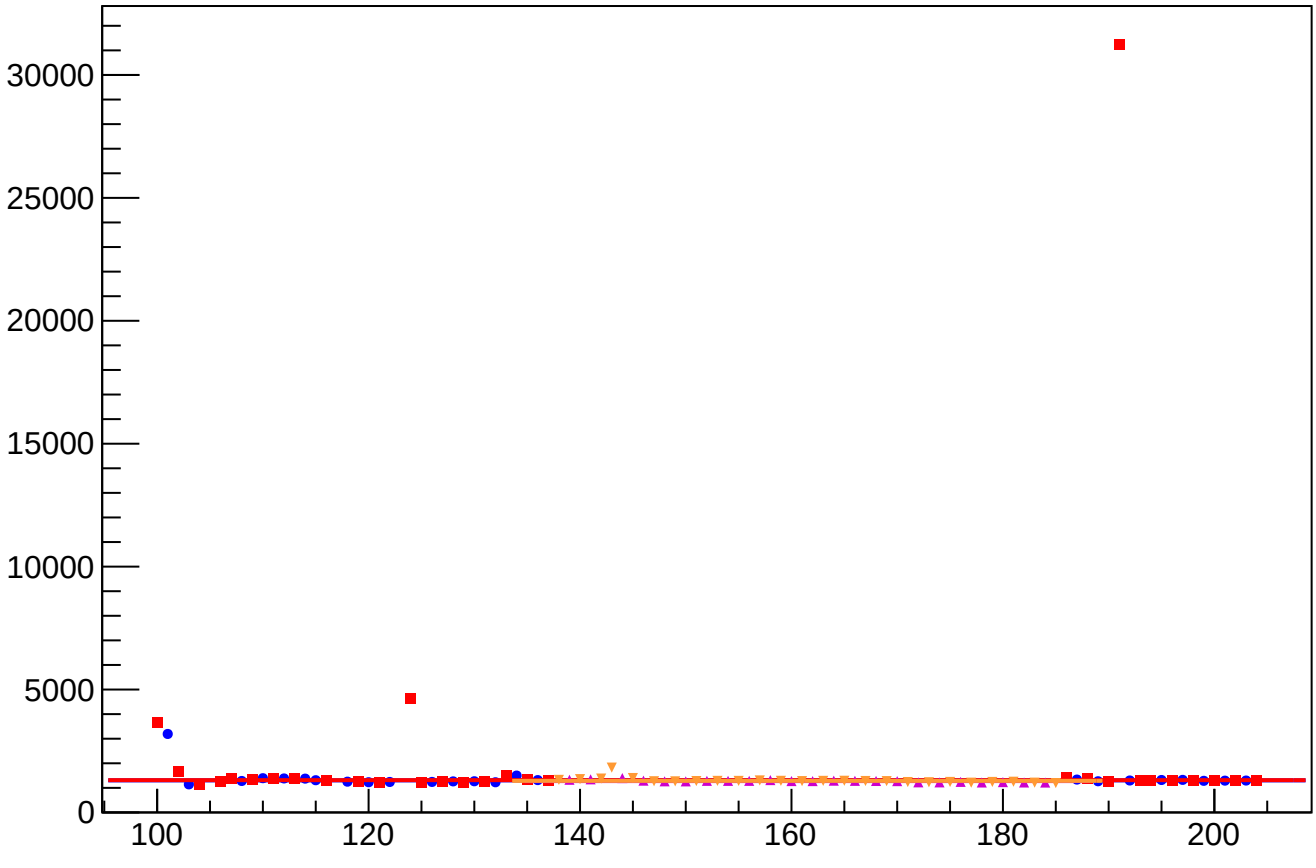
Left: 1941.083+/-208.879 χ^2/NDF: 62.8/47

Right: 2190.215+/-248.685 χ^2/NDF: 42.9/53

In: 2473.231+/-230.236 χ^2/NDF:36.7/46

Out: 1643.889+/-222.363 χ^2/NDF:62.9/54

All: 2044.138+/-159.945 χ^2/NDF: 106.2/101



Right In: 1304.483+/-0.256 χ^2/NDF: 518557.4/23

Left Out: 1285.649+/-0.207 χ^2/NDF:191027.3/24

Right Out: 1314.214+/-0.241 χ^2/NDF: 490037.7/29

Left In: 1275.941+/-0.211 χ^2/NDF:41399.0/22

Left: 1280.882+/-0.148 χ^2/NDF: 233506.1/47

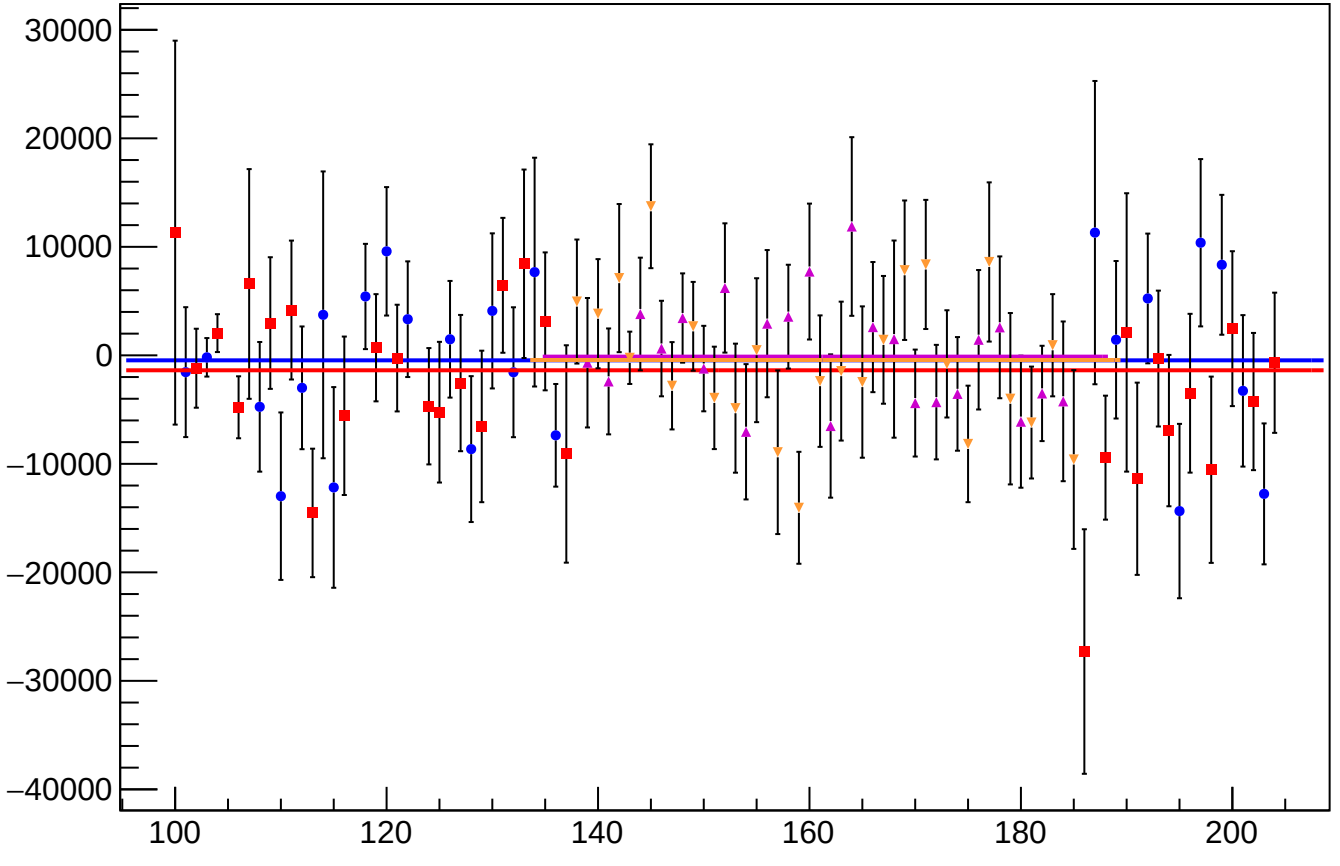
Right: 1309.640+/-0.176 χ^2/NDF: 1009359.0/53

In: 1287.457+/-0.163 χ^2/NDF:567354.3/46

Out: 1297.755+/-0.157 χ^2/NDF:689133.4/54

All: 1292.788+/-0.113 χ^2/NDF: 1258559.0/10

asym_atl_avg_atr_avg_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -460.231+/-1081.182 χ^2/NDF: 27.0/23

Left Out: -428.530+/-1038.038 χ^2/NDF:29.8/24

Right Out: -1377.524+/-952.616 χ^2/NDF: 29.4/29

Left In: -119.335+/-1144.695 χ^2/NDF:13.6/22

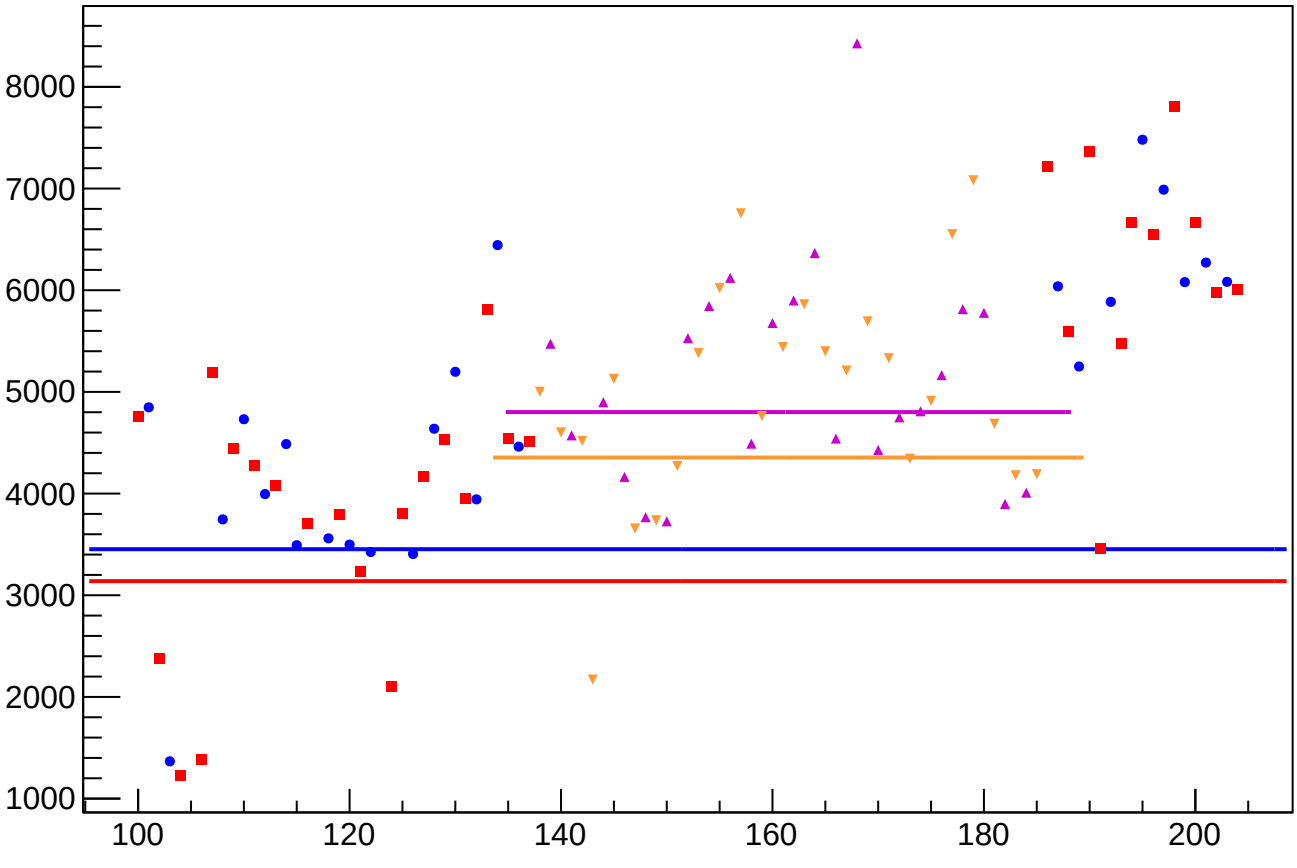
Left: -289.005+/-768.953 χ^2/NDF: 43.5/47

Right: -976.633+/-714.756 χ^2/NDF: 56.8/53

In: -299.502+/-786.006 χ^2/NDF:40.7/46

Out: -943.675+/-701.861 χ^2/NDF:59.7/54

All: -657.903+/-523.521 χ^2/NDF: 100.7/101



Right In: 3452.889+/-0.765 χ^2/NDF: 5839853.0/23

Left Out: 4354.526+/-0.734 χ^2/NDF:3071436.3/24

Right Out: 3138.666+/-0.674 χ^2/NDF: 8123292.2/29

Left In: 4801.573+/-0.809 χ^2/NDF:1231883.2/22

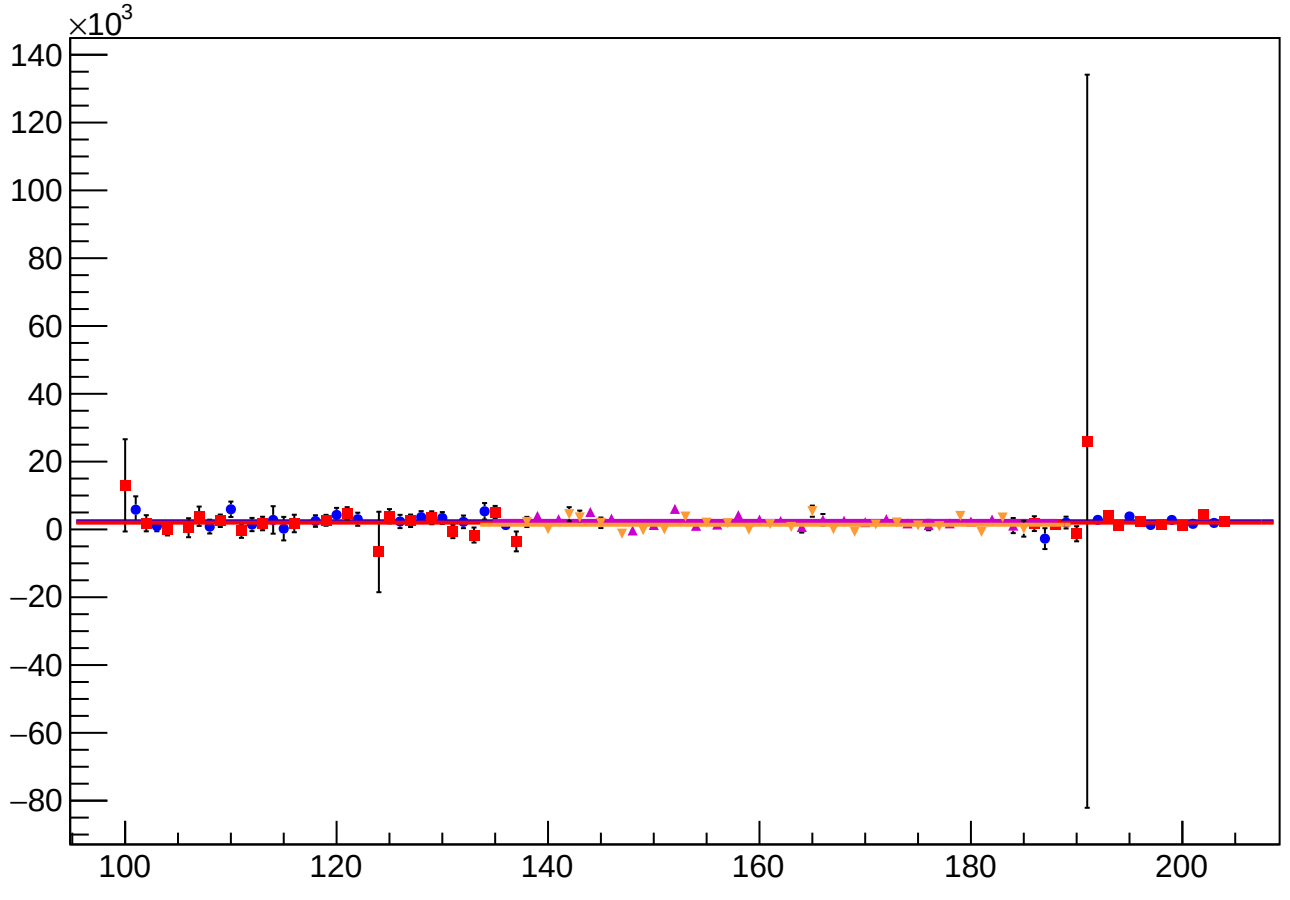
Left: 4556.257+/-0.544 χ^2/NDF: 4470709.2/47

Right: 3275.993+/-0.505 χ^2/NDF: 14058246.9/53

In: 4088.779+/-0.556 χ^2/NDF:8539054.9/46

Out: 3694.517+/-0.496 χ^2/NDF:12684217.5/54

All: 3869.422+/-0.370 χ^2/NDF: 21503244.9/



Right In: 2404.942+/-362.467 χ^2/NDF: 14.1/23

Left Out: 1383.188+/-292.777 χ^2/NDF:32.9/24

Right Out: 1999.039+/-341.828 χ^2/NDF: 28.1/29

Left In: 2519.366+/-298.095 χ^2/NDF:22.5/22

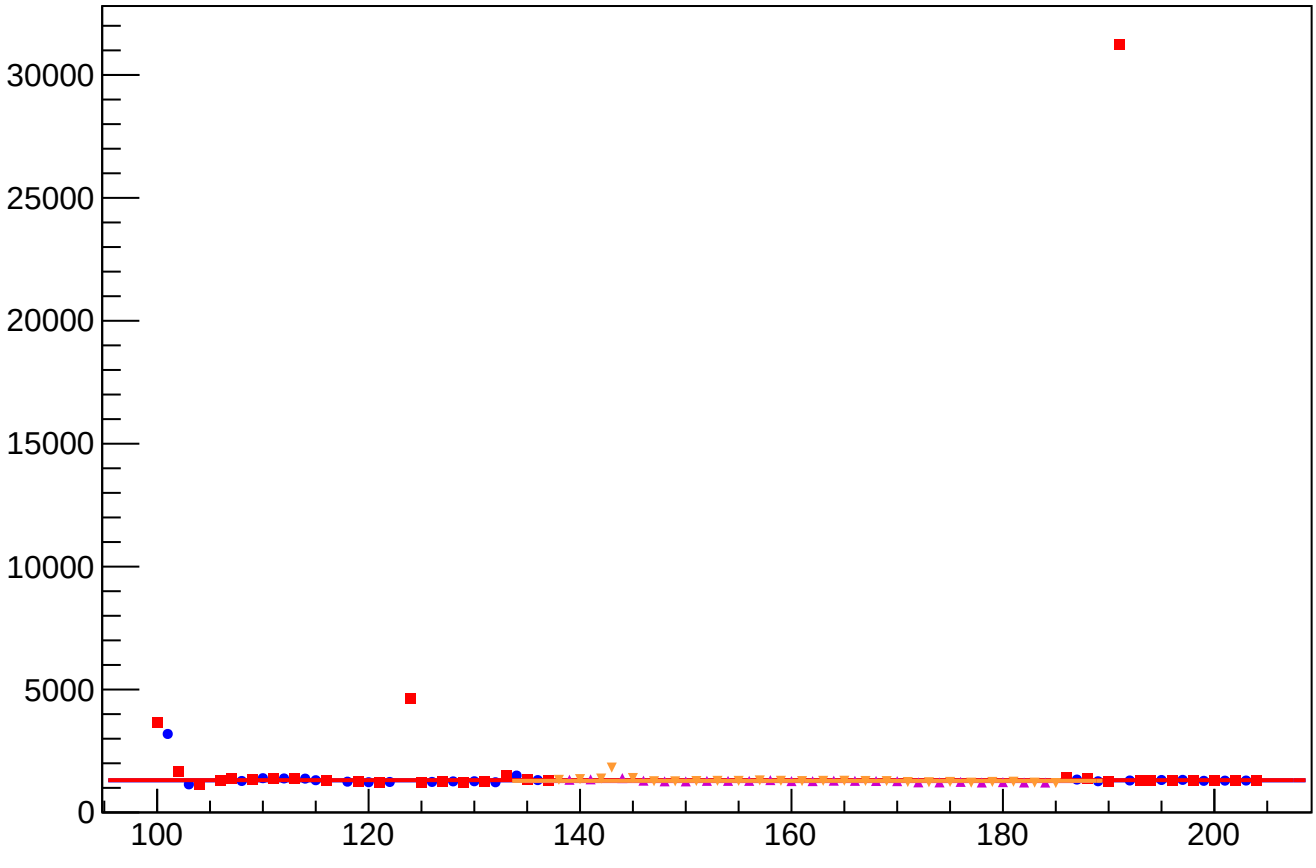
Left: 1941.050+/-208.879 χ^2/NDF: 62.8/47

Right: 2190.106+/-248.685 χ^2/NDF: 42.9/53

In: 2473.200+/-230.236 χ^2/NDF:36.7/46

Out: 1643.794+/-222.363 χ^2/NDF:62.9/54

All: 2044.074+/-159.945 χ^2/NDF: 106.2/101



Right In: 1304.483+/-0.256 χ^2/NDF: 518558.9/23

Left Out: 1285.649+/-0.207 χ^2/NDF:191027.3/24

Right Out: 1314.753+/-0.241 χ^2/NDF: 489583.0/29

Left In: 1275.941+/-0.211 χ^2/NDF:41399.0/22

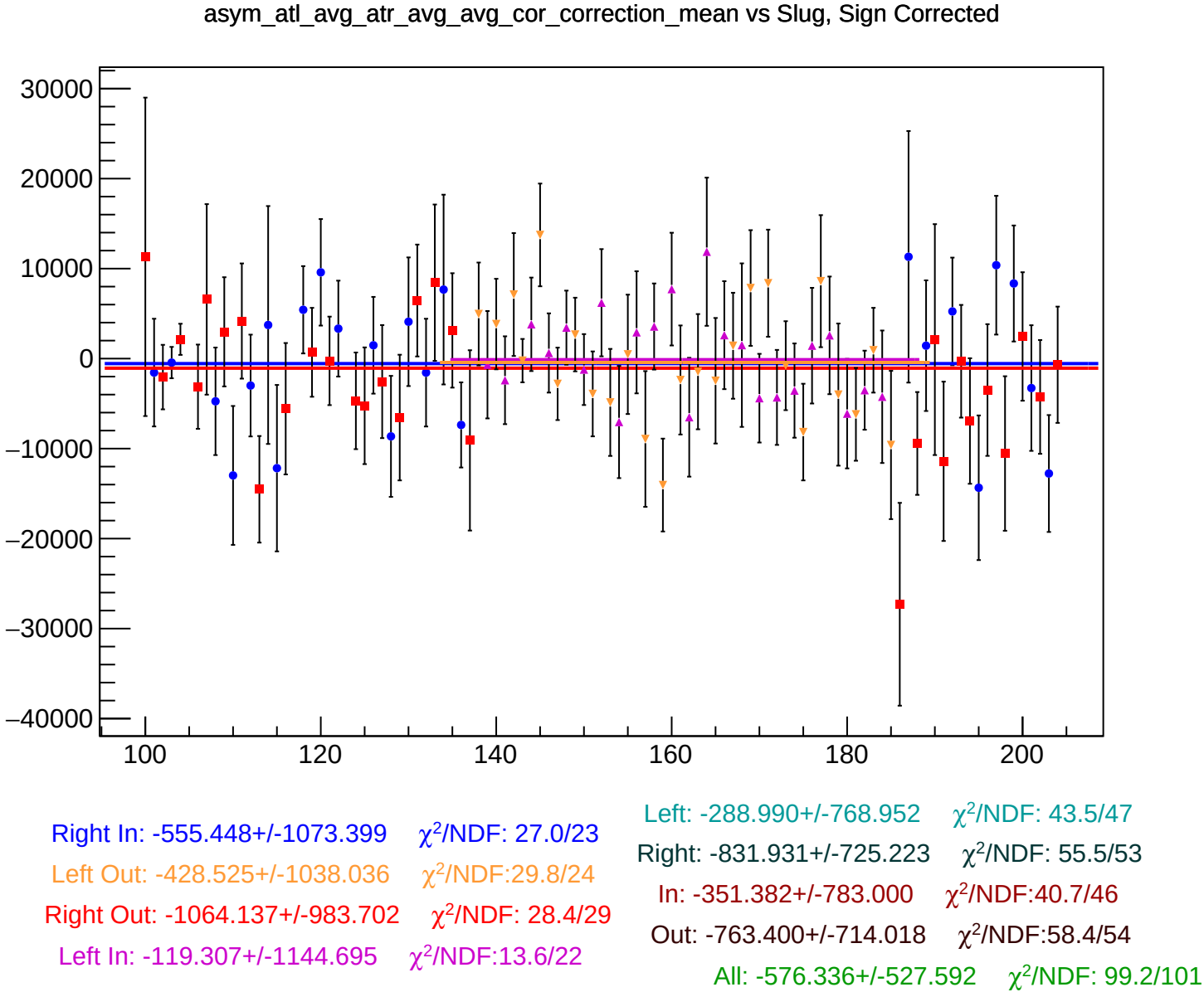
Left: 1280.882+/-0.148 χ^2/NDF: 233506.1/47

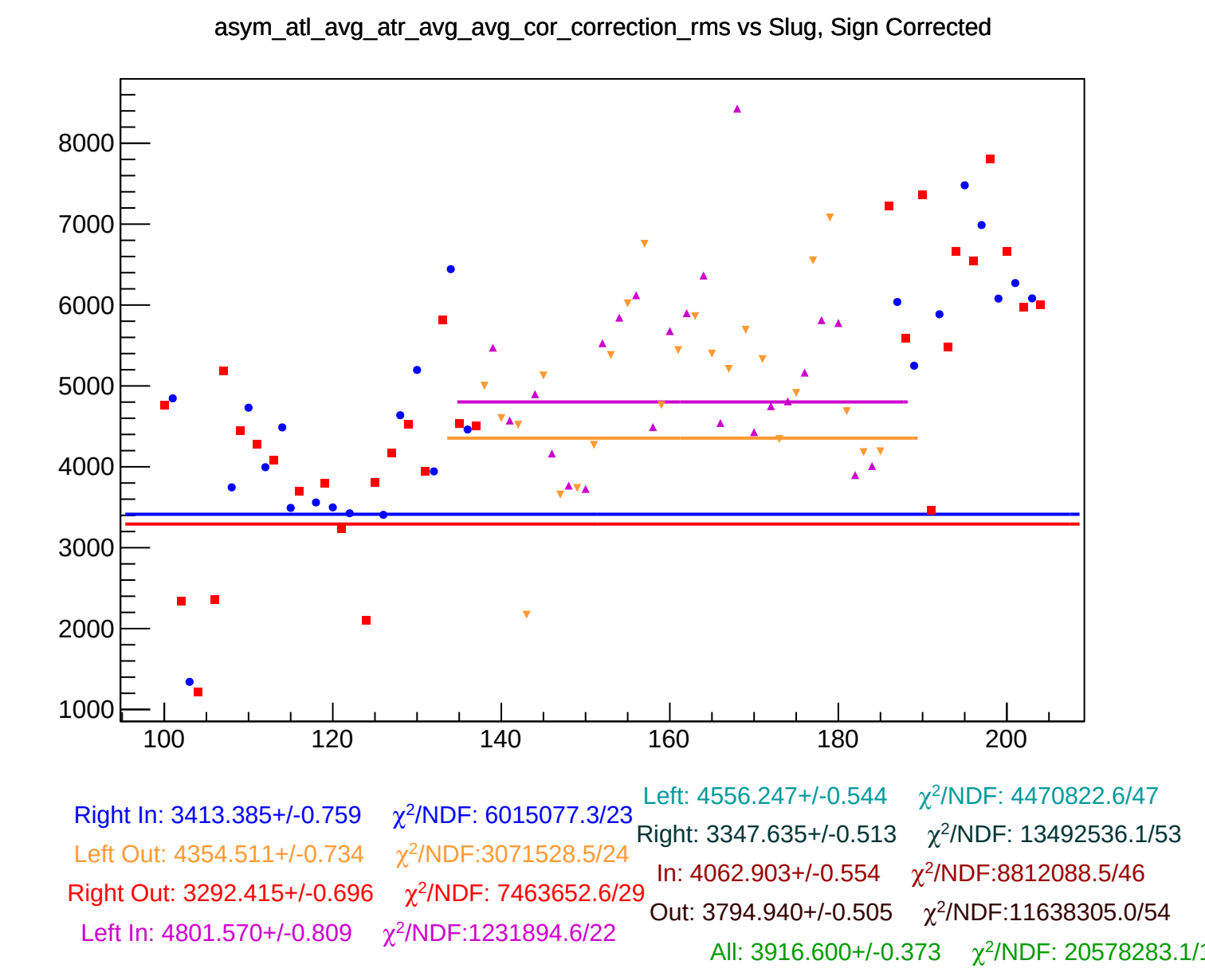
Right: 1309.923+/-0.176 χ^2/NDF: 1008992.5/53

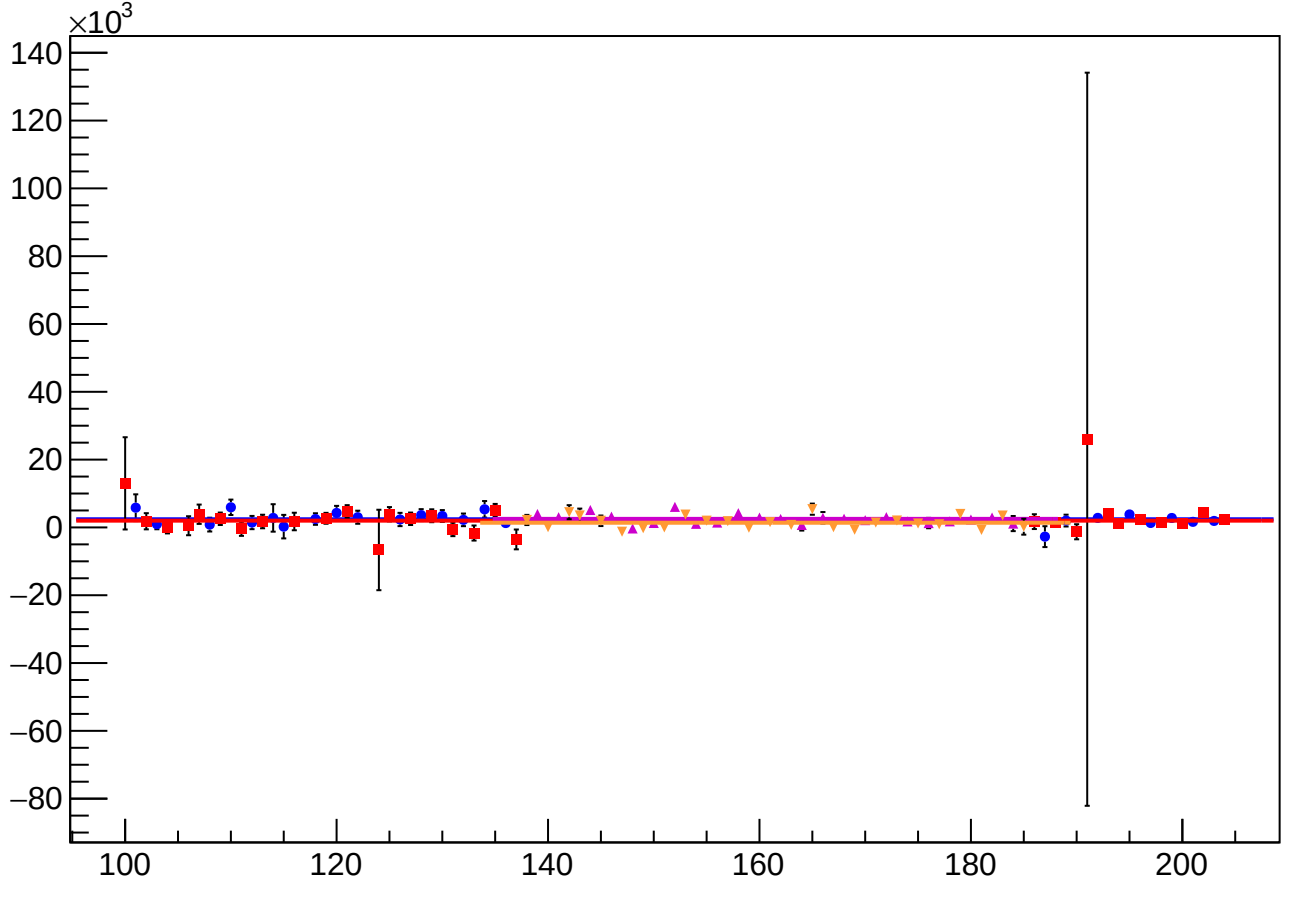
In: 1287.457+/-0.163 χ^2/NDF:567355.8/46

Out: 1297.978+/-0.157 χ^2/NDF:688982.2/54

All: 1292.902+/-0.113 χ^2/NDF: 1258499.7/10


asym_atl_avg_atr_avg_avg_cor_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
Right In: -555.448+/-1073.399 χ²/NDF: 27.0/23
Left Out: -428.525+/-1038.036 χ²/NDF:29.8/24
Right Out: -1064.137+/-983.702 χ²/NDF: 28.4/29
Left In: -119.307+/-1144.695 χ²/NDF:13.6/22
Left: -288.990+/-768.952 χ²/NDF: 43.5/47
Right: -831.931+/-725.223 χ²/NDF: 55.5/53
In: -351.382+/-783.000 χ²/NDF:40.7/46
Out: -763.400+/-714.018 χ²/NDF:58.4/54
All: -576.336+/-527.592 χ²/NDF: 99.2/101


asym_atl_avg_atr_avg_avg_cor_correction_rms vs Slug, Sign Corrected
8000
7000
6000
5000
4000
3000
2000
1000
100
120
140
160
180
200
Right In: 3413.385+/-0.759 χ²/NDF: 6015077.3/23
Left Out: 4354.511+/-0.734 χ²/NDF:3071528.5/24
Right Out: 3292.415+/-0.696 χ²/NDF: 7463652.6/29
Left In: 4801.570+/-0.809 χ²/NDF:1231894.6/22
Left: 4556.247+/-0.544 χ²/NDF: 4470822.6/47
Right: 3347.635+/-0.513 χ²/NDF: 13492536.1/53
In: 4062.903+/-0.554 χ²/NDF:8812088.5/46
Out: 3794.940+/-0.505 χ²/NDF:11638305.0/54
All: 3916.600+/-0.373 χ²/NDF: 20578283.1/



Right In: 2404.942+/-362.467 χ^2/NDF: 14.1/23

Left Out: 1383.188+/-292.777 χ^2/NDF:32.9/24

Right Out: 1999.039+/-341.828 χ^2/NDF: 28.1/29

Left In: 2519.366+/-298.095 χ^2/NDF:22.5/22

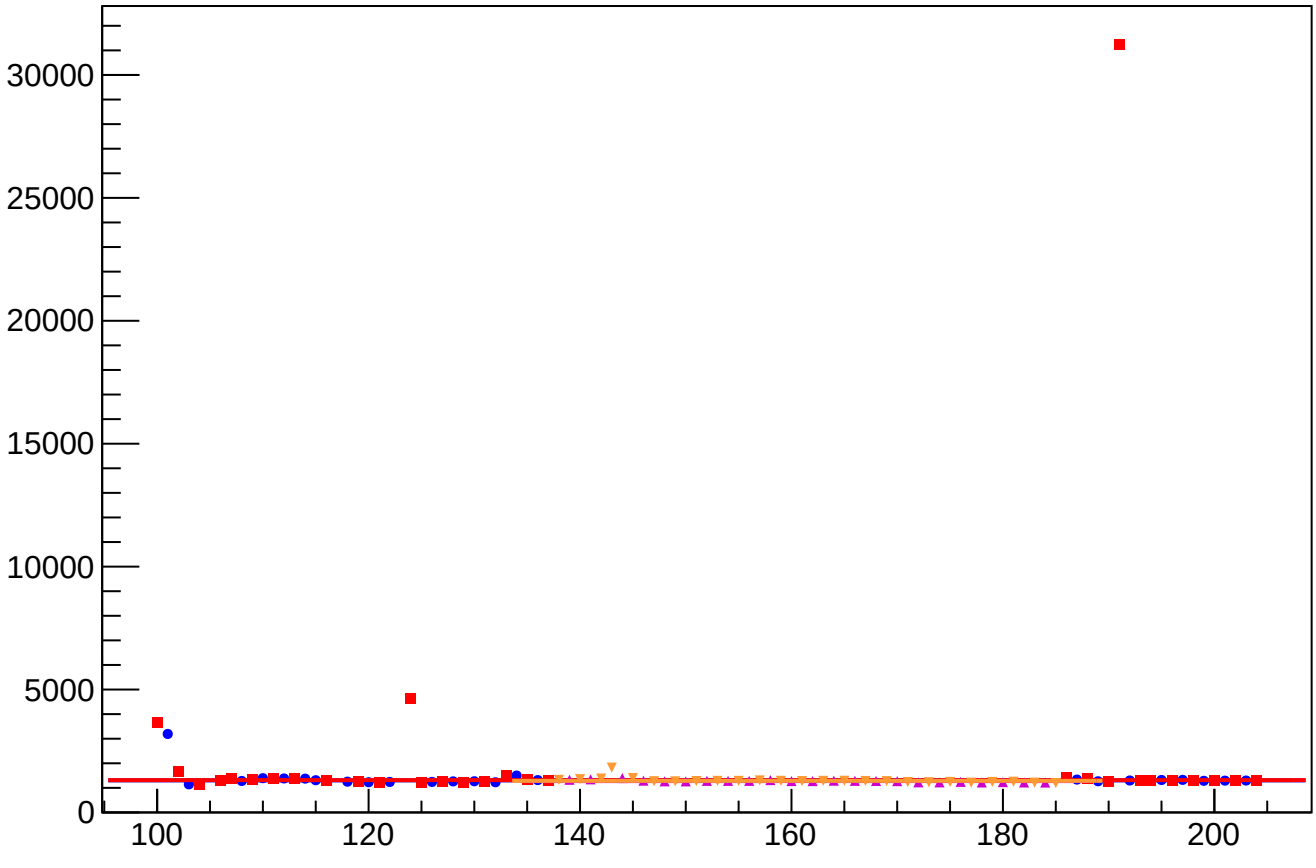
Left: 1941.050+/-208.879 χ^2/NDF: 62.8/47

Right: 2190.106+/-248.685 χ^2/NDF: 42.9/53

In: 2473.200+/-230.236 χ^2/NDF:36.7/46

Out: 1643.794+/-222.363 χ^2/NDF:62.9/54

All: 2044.074+/-159.945 χ^2/NDF: 106.2/101



Right In: 1304.483+/-0.256 χ^2/NDF: 518558.9/23

Left Out: 1285.649+/-0.207 χ^2/NDF:191027.3/24

Right Out: 1314.753+/-0.241 χ^2/NDF: 489583.0/29

Left In: 1275.941+/-0.211 χ^2/NDF:41399.0/22

Left: 1280.882+/-0.148 χ^2/NDF: 233506.1/47

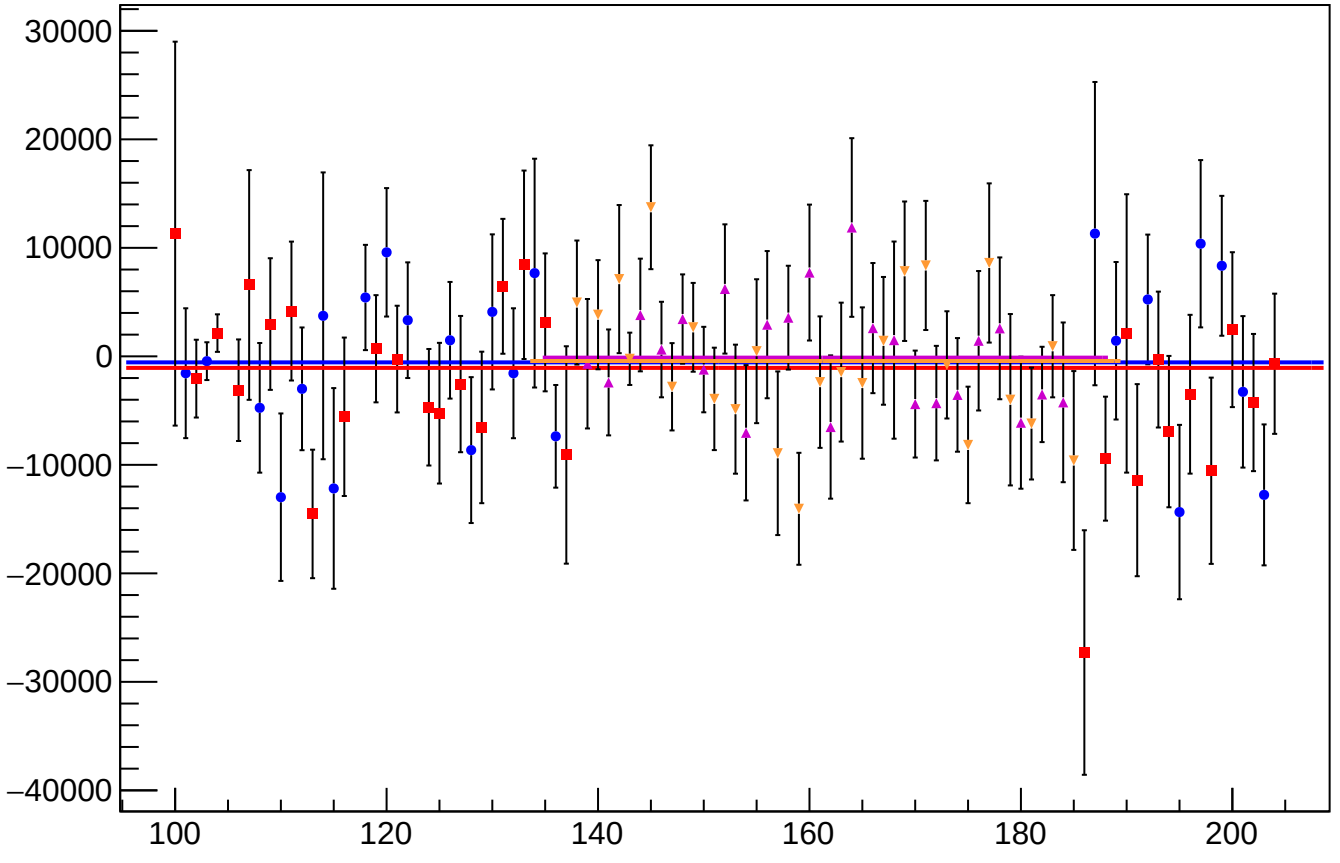
Right: 1309.923+/-0.176 χ^2/NDF: 1008992.5/53

In: 1287.457+/-0.163 χ^2/NDF:567355.8/46

Out: 1297.978+/-0.157 χ^2/NDF:688982.2/54

All: 1292.902+/-0.113 χ^2/NDF: 1258499.7/10

asym_atl_avg_atr_avg_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -555.448+/-1073.399 χ^2/NDF: 27.0/23

Left Out: -428.525+/-1038.036 χ^2/NDF:29.8/24

Right Out: -1064.137+/-983.702 χ^2/NDF: 28.4/29

Left In: -119.307+/-1144.695 χ^2/NDF:13.6/22

Left: -288.990+/-768.952 χ^2/NDF: 43.5/47

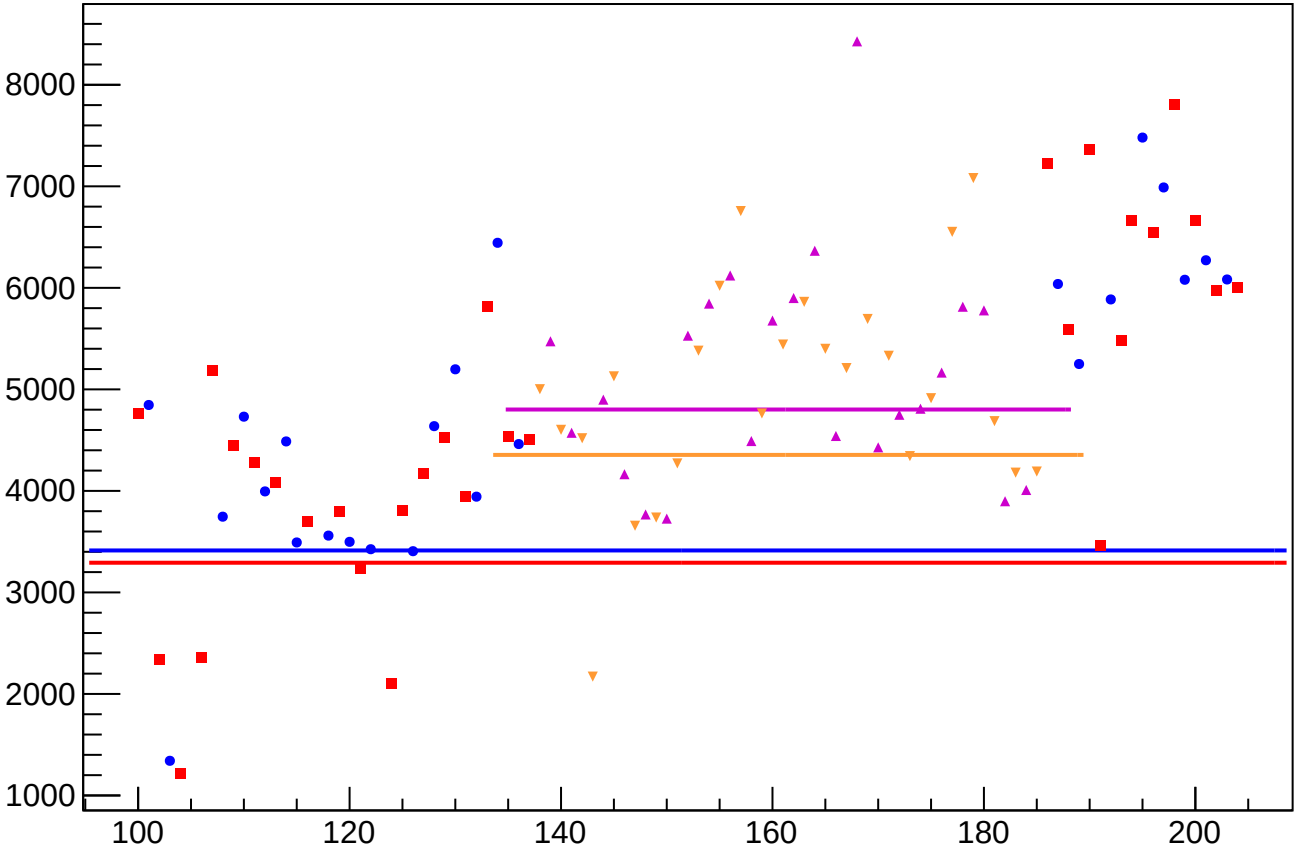
Right: -831.931+/-725.223 χ^2/NDF: 55.5/53

In: -351.382+/-783.000 χ^2/NDF:40.7/46

Out: -763.400+/-714.018 χ^2/NDF:58.4/54

All: -576.336+/-527.592 χ^2/NDF: 99.2/101

asym_atl_avg_atr_avg_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 3413.385+/-0.759 χ^2/NDF: 6015077.3/23

Left Out: 4354.511+/-0.734 χ^2/NDF:3071528.5/24

Right Out: 3292.415+/-0.696 χ^2/NDF: 7463652.6/29

Left In: 4801.570+/-0.809 χ^2/NDF:1231894.6/22

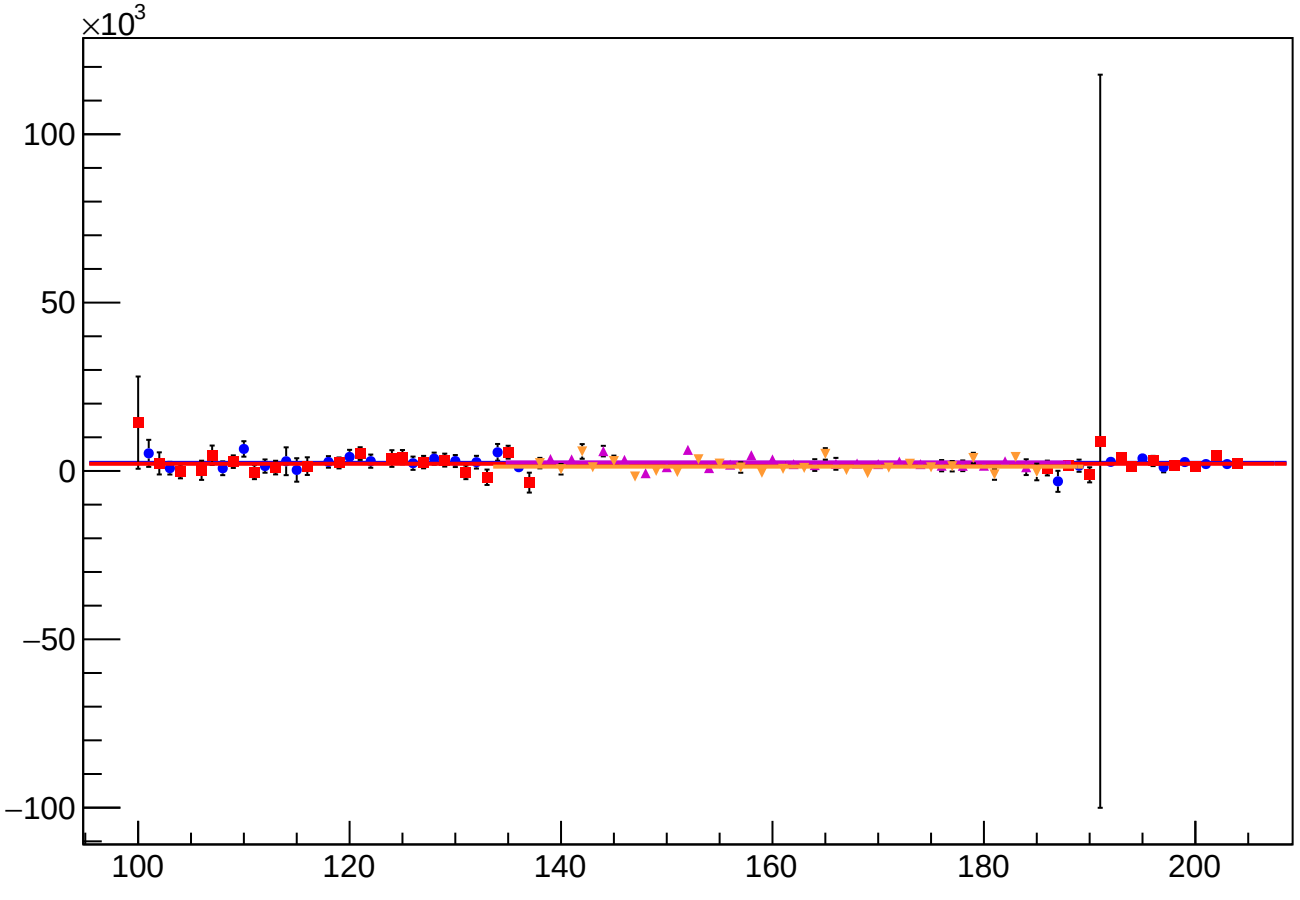
Left: 4556.247+/-0.544 χ^2/NDF: 4470822.6/47

Right: 3347.635+/-0.513 χ^2/NDF: 13492536.1/53

In: 4062.903+/-0.554 χ^2/NDF:8812088.5/46

Out: 3794.940+/-0.505 χ^2/NDF:11638305.0/54

All: 3916.600+/-0.373 χ^2/NDF: 20578283.1/



Right In: 2411.097+/-373.476 χ^2/NDF: 14.5/23

Left Out: 1284.422+/-300.530 χ^2/NDF:33.4/24

Right Out: 2130.862+/-349.148 χ^2/NDF: 29.7/29

Left In: 2531.791+/-312.886 χ^2/NDF:25.0/22

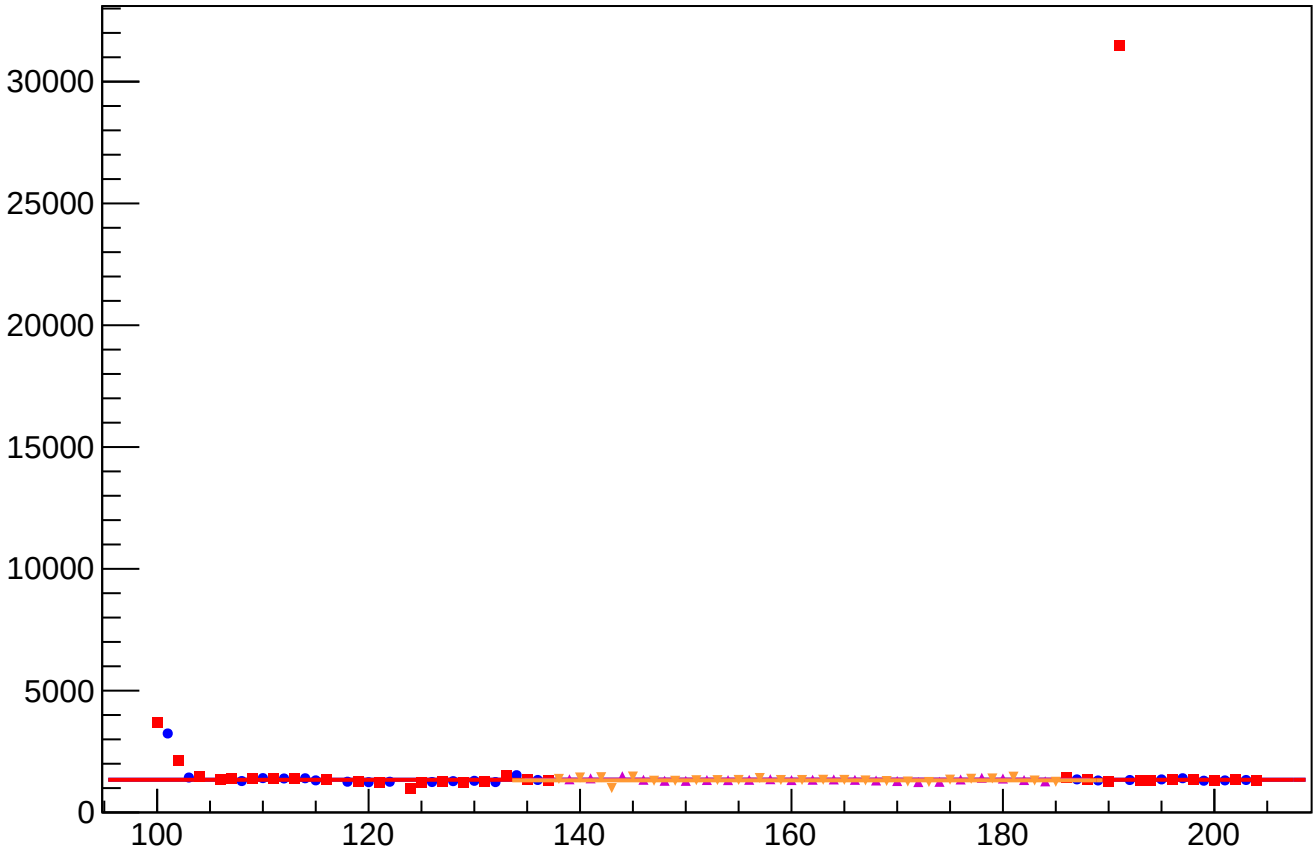
Left: 1882.989+/-216.743 χ^2/NDF: 66.7/47

Right: 2261.556+/-255.052 χ^2/NDF: 44.5/53

In: 2482.016+/-239.842 χ^2/NDF:39.6/46

Out: 1644.651+/-227.773 χ^2/NDF:66.4/54

All: 2041.735+/-165.162 χ^2/NDF: 112.5/101



Right In: 1344.108+/-0.264 χ^2/NDF: 501025.7/23

Left Out: 1318.174+/-0.213 χ^2/NDF:248547.7/24

Right Out: 1341.009+/-0.247 χ^2/NDF: 435139.6/29

Left In: 1338.602+/-0.221 χ^2/NDF:54248.5/22

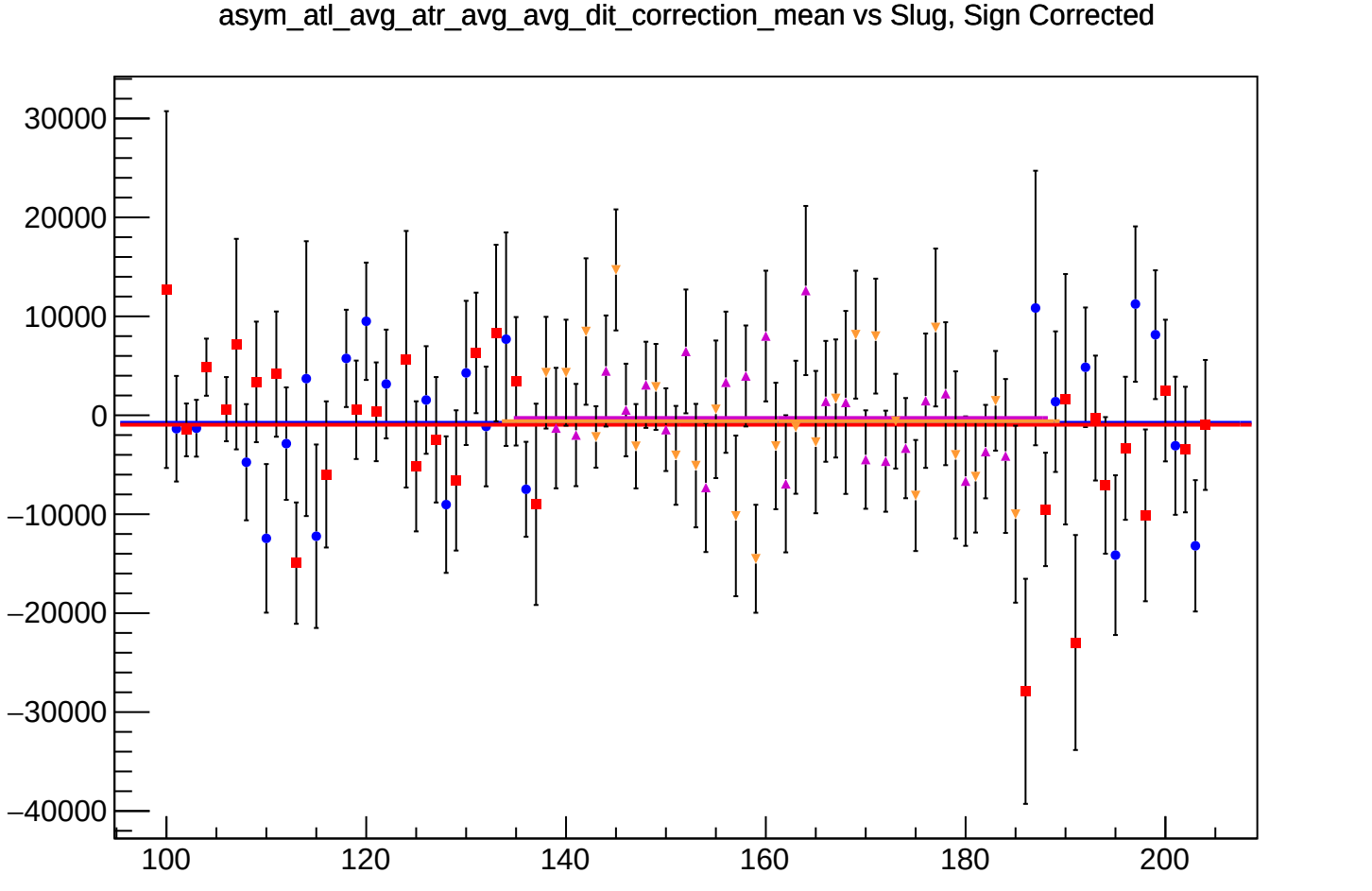
Left: 1327.977+/-0.153 χ^2/NDF: 307230.5/47

Right: 1342.454+/-0.180 χ^2/NDF: 936238.8/53

In: 1340.873+/-0.170 χ^2/NDF:555529.5/46

Out: 1327.896+/-0.161 χ^2/NDF:688603.1/54

All: 1334.049+/-0.117 χ^2/NDF: 1247211.5/10



Right In: -758.673+/-1233.004 χ^2/NDF: 26.9/23

Left Out: -594.916+/-1122.287 χ^2/NDF:29.5/24

Right Out: -956.369+/-1059.718 χ^2/NDF: 31.8/29

Left In: -272.915+/-1196.804 χ^2/NDF:13.4/22

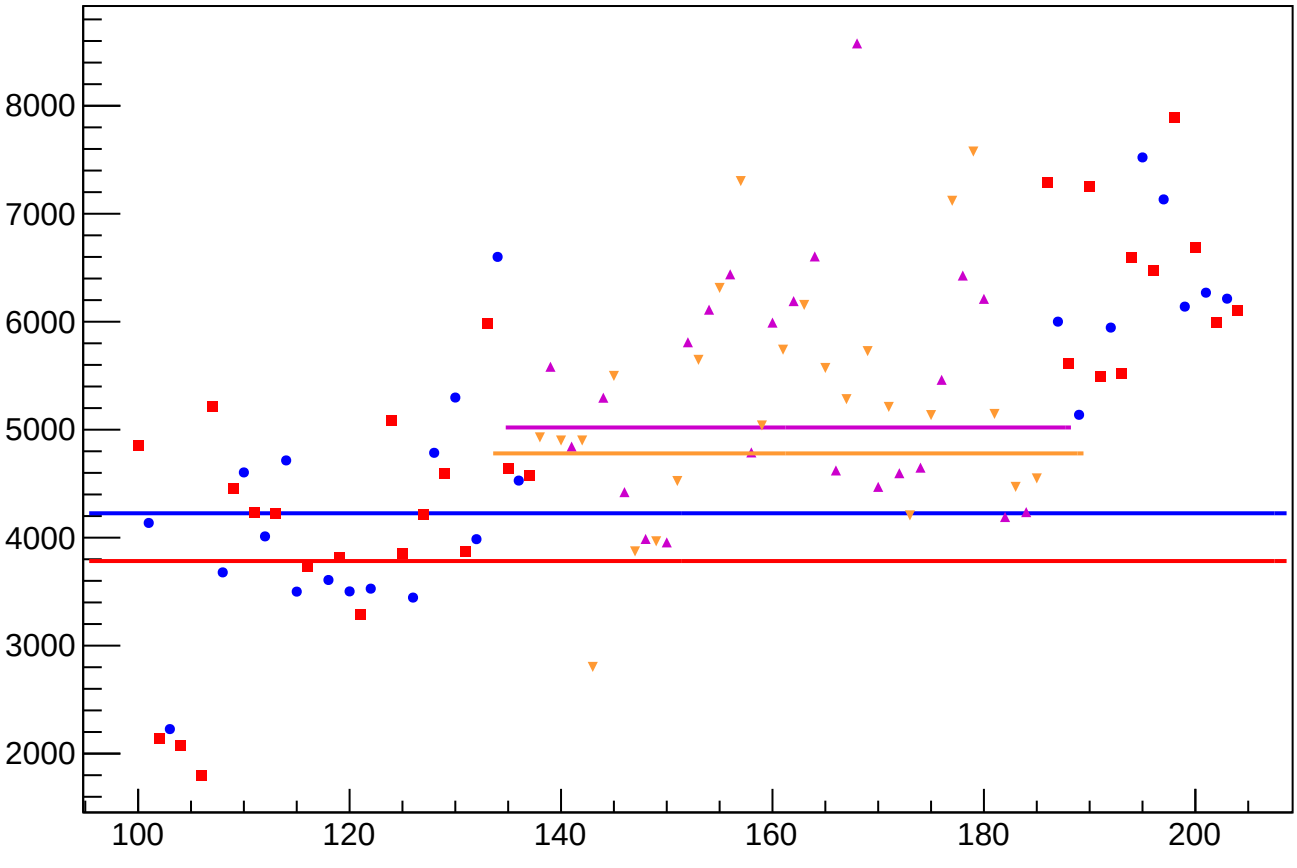
Left: -444.251+/-818.653 χ^2/NDF: 43.0/47

Right: -872.379+/-803.677 χ^2/NDF: 58.7/53

In: -508.559+/-858.781 χ^2/NDF:40.3/46

Out: -785.999+/-770.504 χ^2/NDF:61.4/54

All: -662.267+/-573.507 χ^2/NDF: 101.8/101



Right In: 4225.858+/-0.872 χ^2/NDF: 2669222.1/23

Left Out: 4780.396+/-0.794 χ^2/NDF:2006245.3/24

Right Out: 3783.417+/-0.749 χ^2/NDF: 5166679.6/29

Left In: 5020.560+/-0.846 χ^2/NDF:1225091.9/22

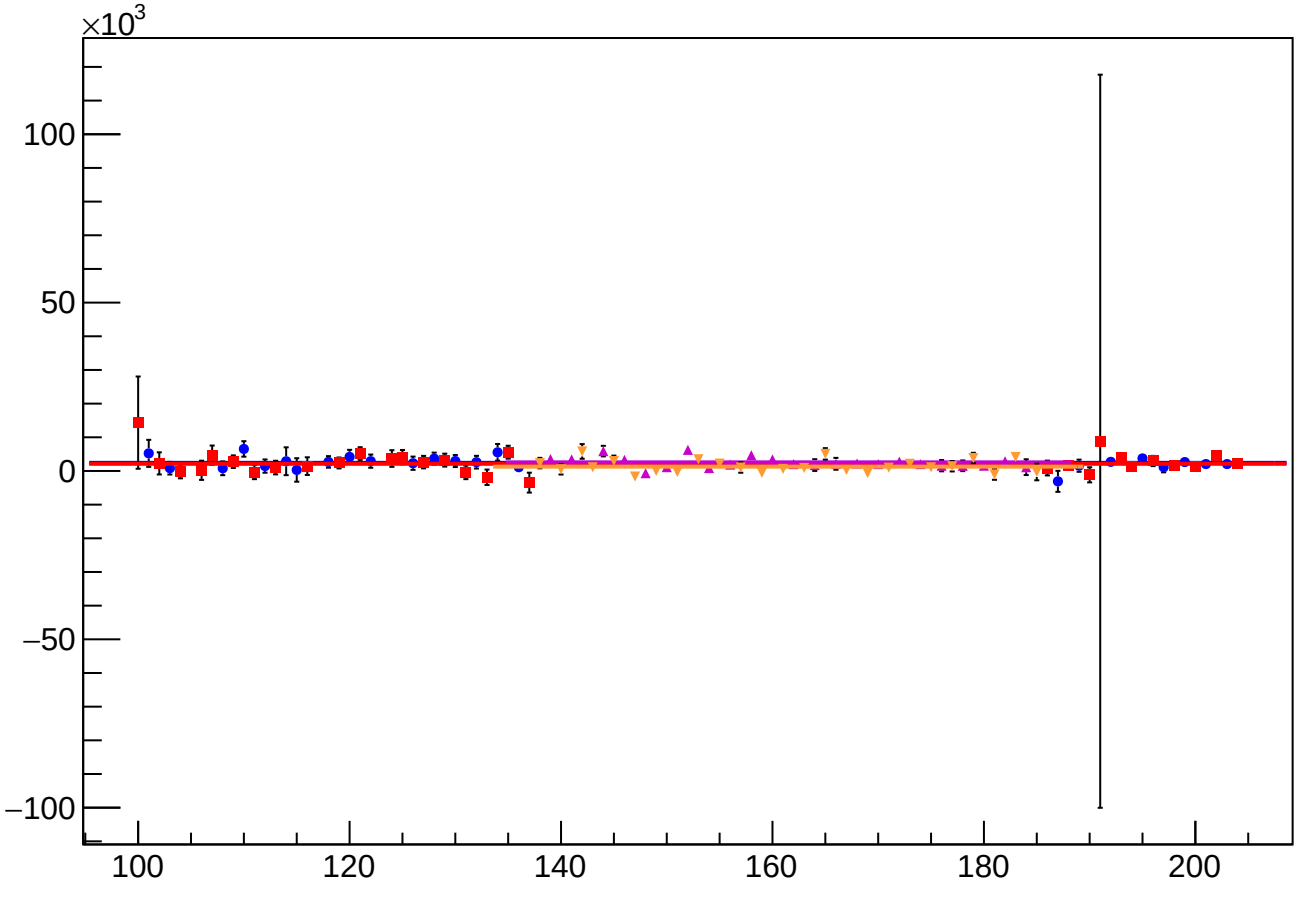
Left: 4892.769+/-0.579 χ^2/NDF: 3274191.3/47

Right: 3971.387+/-0.568 χ^2/NDF: 7984015.2/53

In: 4635.046+/-0.607 χ^2/NDF:4322101.6/46

Out: 4253.342+/-0.545 χ^2/NDF:8007304.7/54

All: 4423.573+/-0.406 χ^2/NDF: 12548306.8/



Right In: 2411.093+/-373.476 χ^2/NDF: 14.5/23

Left Out: 1284.416+/-300.530 χ^2/NDF:33.4/24

Right Out: 2130.861+/-349.148 χ^2/NDF: 29.7/29

Left In: 2531.791+/-312.887 χ^2/NDF:25.0/22

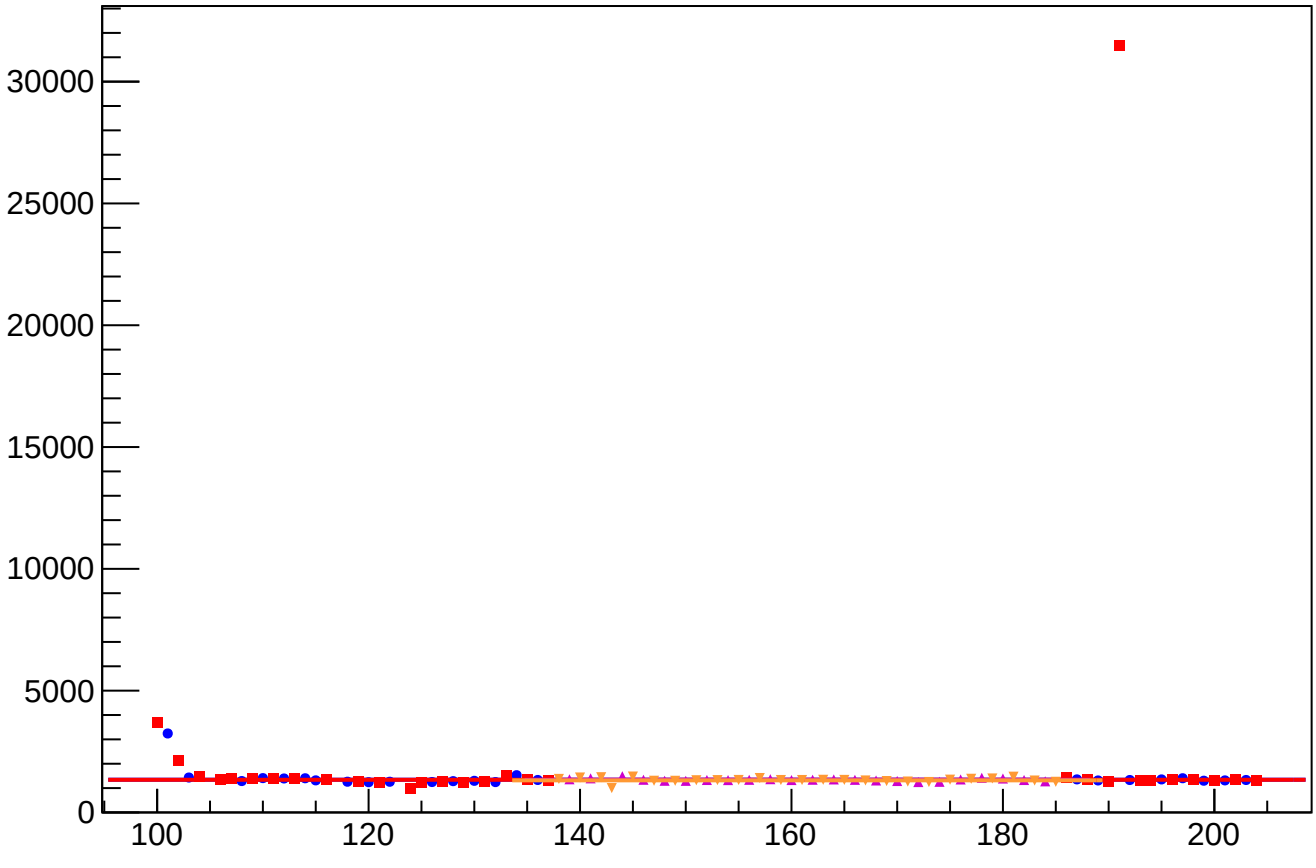
Left: 1882.986+/-216.744 χ^2/NDF: 66.7/47

Right: 2261.554+/-255.052 χ^2/NDF: 44.5/53

In: 2482.014+/-239.842 χ^2/NDF:39.6/46

Out: 1644.648+/-227.773 χ^2/NDF:66.4/54

All: 2041.733+/-165.162 χ^2/NDF: 112.5/101



Right In: 1344.108+/-0.264 χ^2/NDF: 501025.8/23

Left Out: 1318.176+/-0.213 χ^2/NDF:248550.2/24

Right Out: 1341.009+/-0.247 χ^2/NDF: 435138.5/29

Left In: 1338.604+/-0.221 χ^2/NDF:54251.0/22

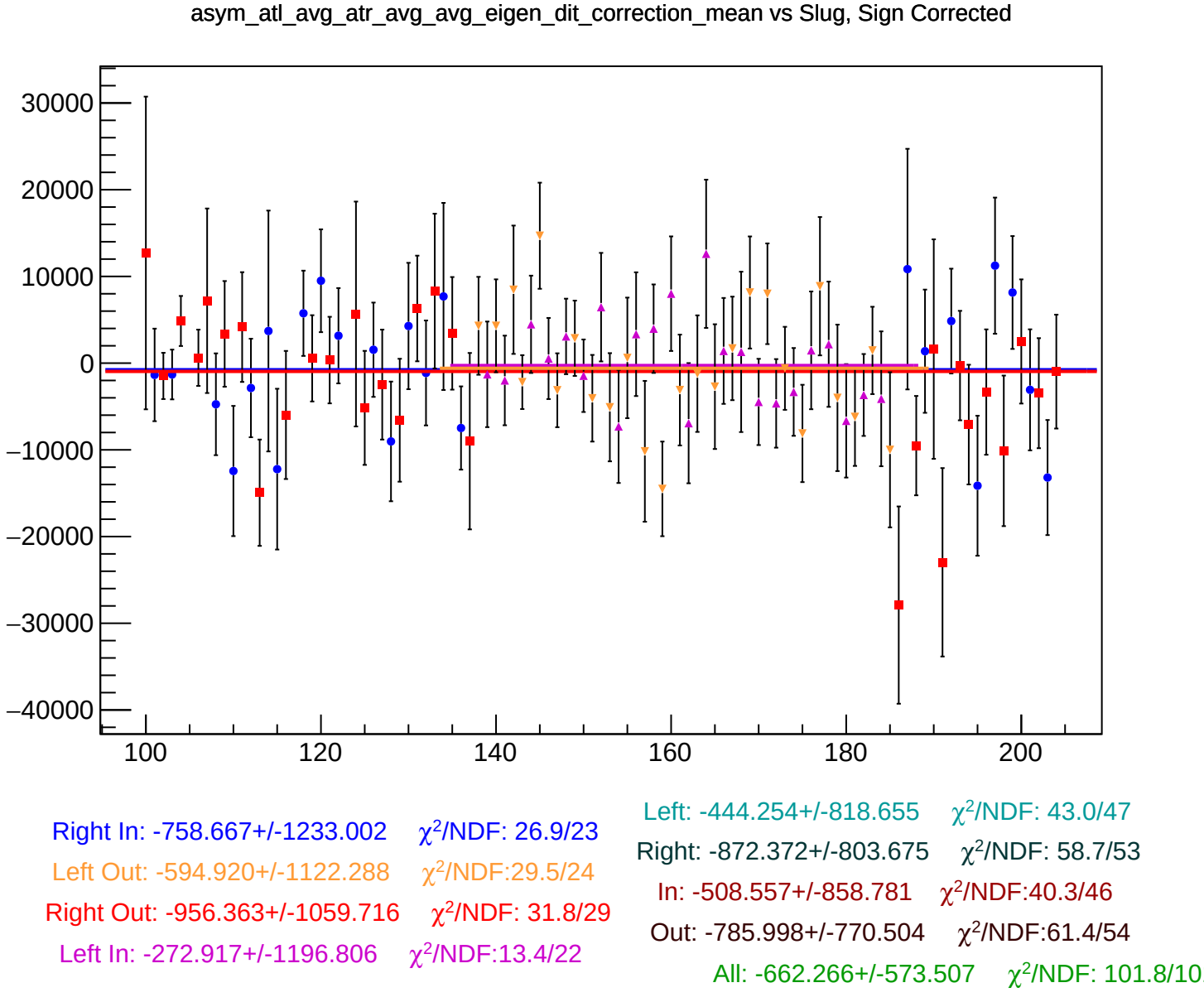
Left: 1327.978+/-0.153 χ^2/NDF: 307235.6/47

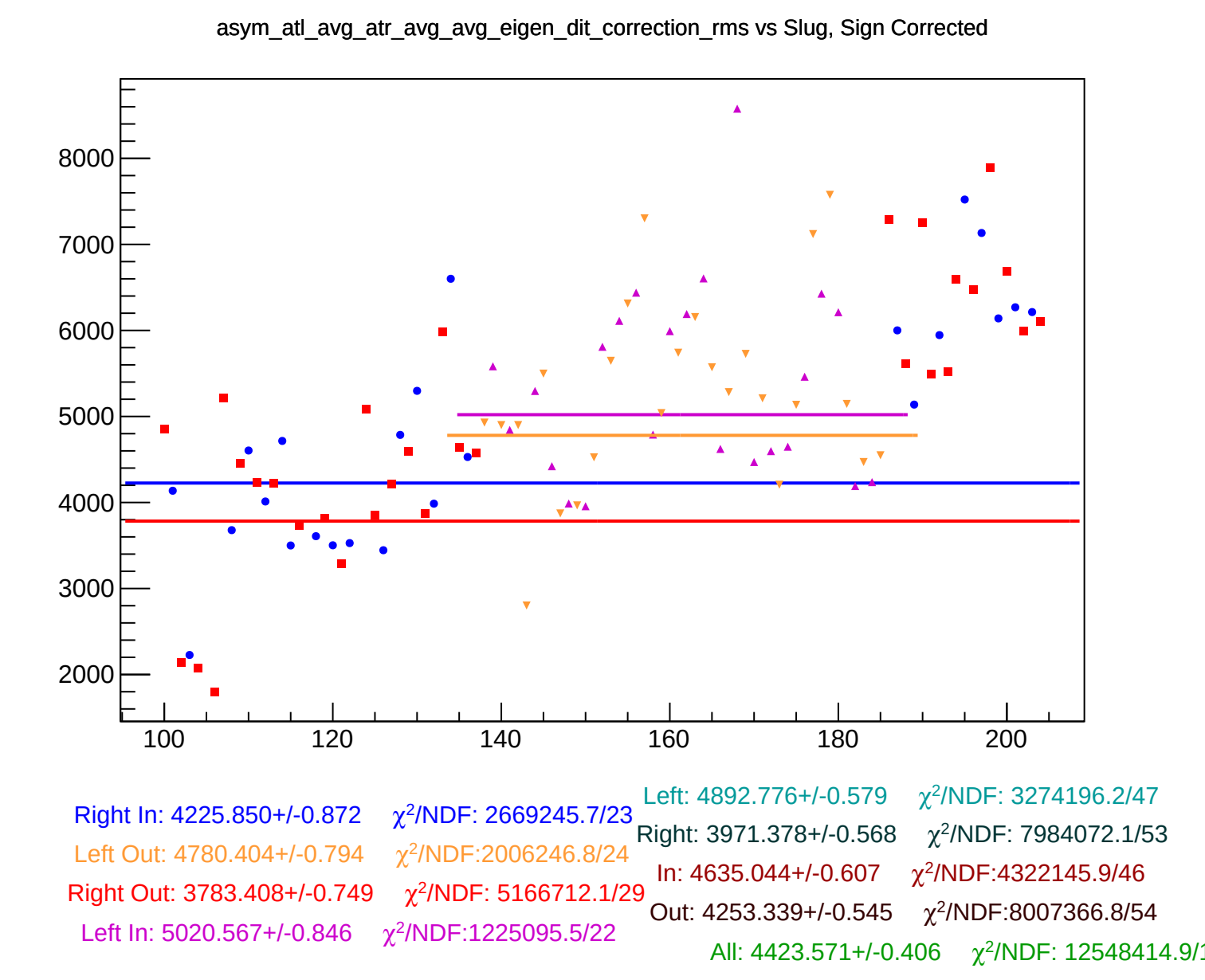
Right: 1342.454+/-0.180 χ^2/NDF: 936237.8/53

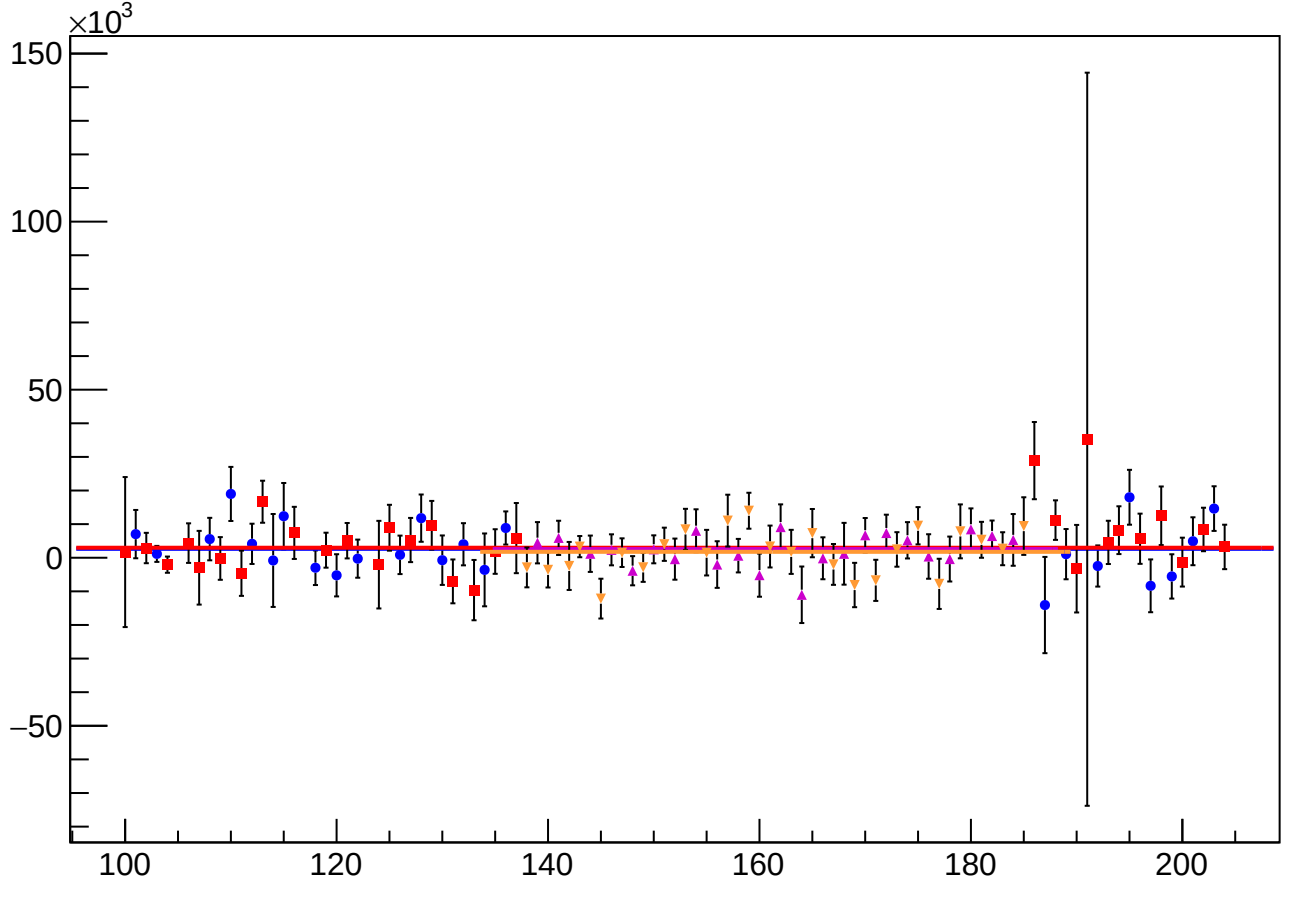
In: 1340.874+/-0.170 χ^2/NDF:555532.1/46

Out: 1327.897+/-0.161 χ^2/NDF:688603.9/54

All: 1334.050+/-0.117 χ^2/NDF: 1247214.9/10


asym_atl_avg_atr_avg_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
Right In: -758.667+/-1233.002 χ²/NDF: 26.9/23
Left Out: -594.920+/-1122.288 χ²/NDF:29.5/24
Right Out: -956.363+/-1059.716 χ²/NDF: 31.8/29
Left In: -272.917+/-1196.806 χ²/NDF:13.4/22
Left: -444.254+/-818.655 χ²/NDF: 43.0/47
Right: -872.372+/-803.675 χ²/NDF: 58.7/53
In: -508.557+/-858.781 χ²/NDF:40.3/46
Out: -785.998+/-770.504 χ²/NDF:61.4/54
All: -662.266+/-573.507 χ²/NDF: 101.8/101


asym_atl_avg_atr_avg_avg_eigen_dit_correction_rms vs Slug, Sign Corrected
8000
7000
6000
5000
4000
3000
2000
100
120
140
160
180
200
Right In: 4225.850+/-0.872 χ²/NDF: 2669245.7/23
Left Out: 4780.404+/-0.794 χ²/NDF:2006246.8/24
Right Out: 3783.408+/-0.749 χ²/NDF: 5166712.1/29
Left In: 5020.567+/-0.846 χ²/NDF:1225095.5/22
Left: 4892.776+/-0.579 χ²/NDF: 3274196.2/47
Right: 3971.378+/-0.568 χ²/NDF: 7984072.1/53
In: 4635.044+/-0.607 χ²/NDF:4322145.9/46
Out: 4253.339+/-0.545 χ²/NDF:8007366.8/54
All: 4423.571+/-0.406 χ²/NDF: 12548414.9/1



Right In: 2650.674+/-1227.179 χ^2/NDF: 25.7/23

Left Out: 1761.683+/-1116.232 χ^2/NDF:27.7/24

Right Out: 2977.541+/-1160.460 χ^2/NDF: 28.2/29

Left In: 2579.960+/-1188.448 χ^2/NDF:13.3/22

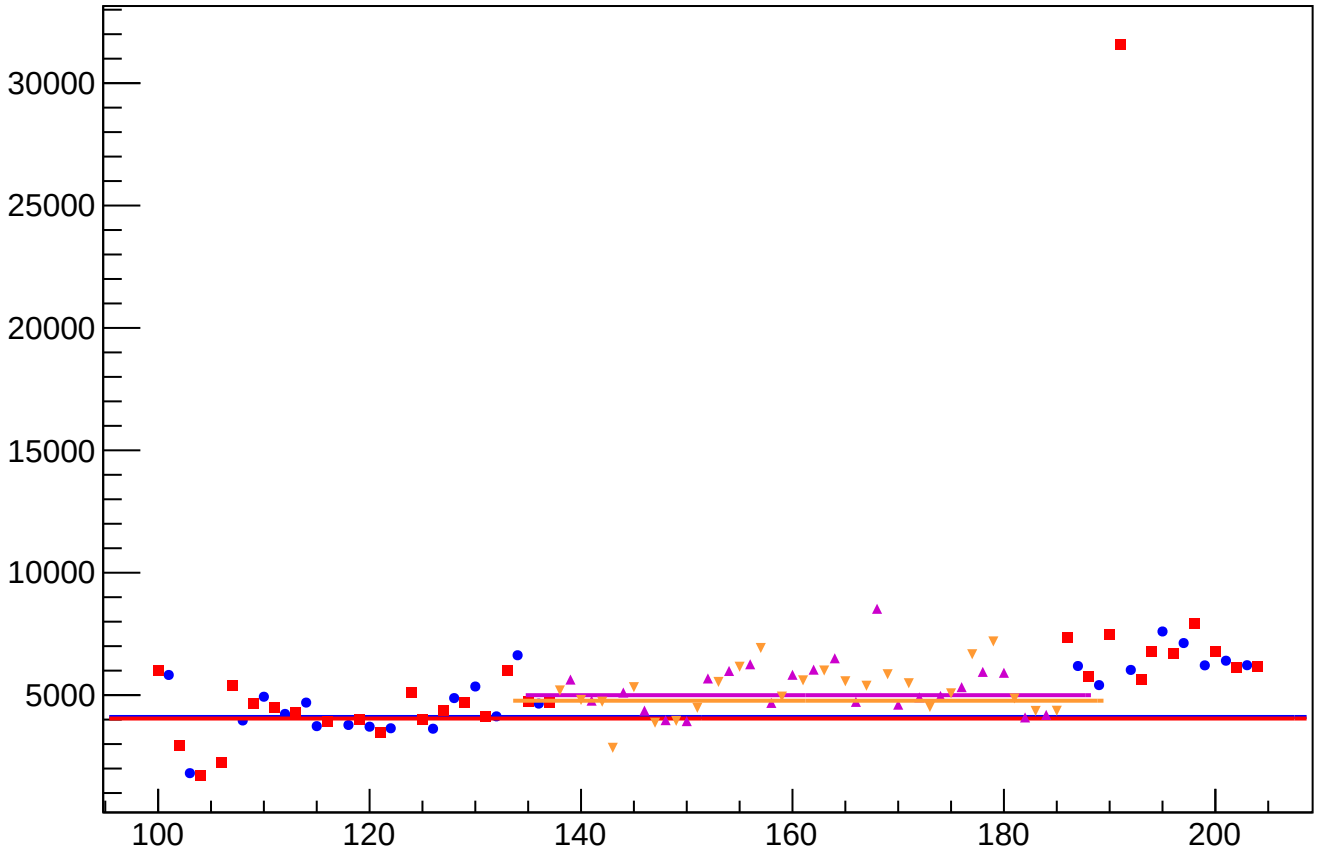
Left: 2145.206+/-813.628 χ^2/NDF: 41.2/47

Right: 2823.234+/-843.170 χ^2/NDF: 53.9/53

In: 2614.183+/-853.724 χ^2/NDF:39.0/46

Out: 2346.001+/-804.477 χ^2/NDF:56.4/54

All: 2472.134+/-585.487 χ^2/NDF: 95.4/101



Right In: 4106.777+/-0.868 χ^2/NDF: 3836355.9/23

Left Out: 4771.181+/-0.789 χ^2/NDF:1787082.6/24

Right Out: 4043.581+/-0.812 χ^2/NDF: 4912171.4/29

Left In: 4996.720+/-0.840 χ^2/NDF:1095876.8/22

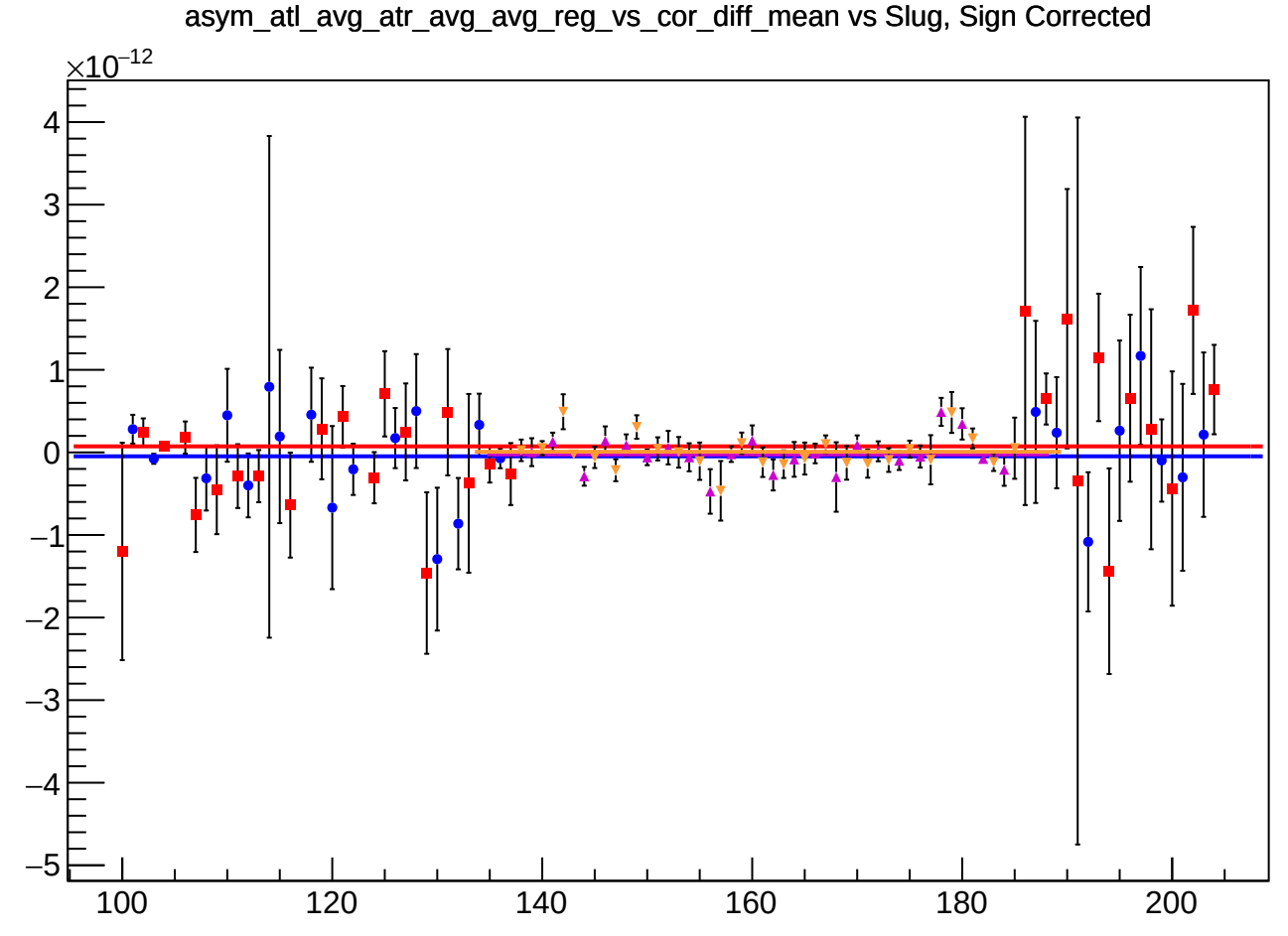
Left: 4876.890+/-0.575 χ^2/NDF: 2921229.4/47

Right: 4073.087+/-0.593 χ^2/NDF: 8751354.8/53

In: 4566.011+/-0.604 χ^2/NDF:5475003.2/46

Out: 4417.730+/-0.566 χ^2/NDF:7112056.1/54

All: 4487.100+/-0.413 χ^2/NDF: 12619167.9/



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/23

Left Out: 0.000+/-0.000 χ^2/NDF:27.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 32.0/29

Left In: -0.000+/-0.000 χ^2/NDF:31.7/22

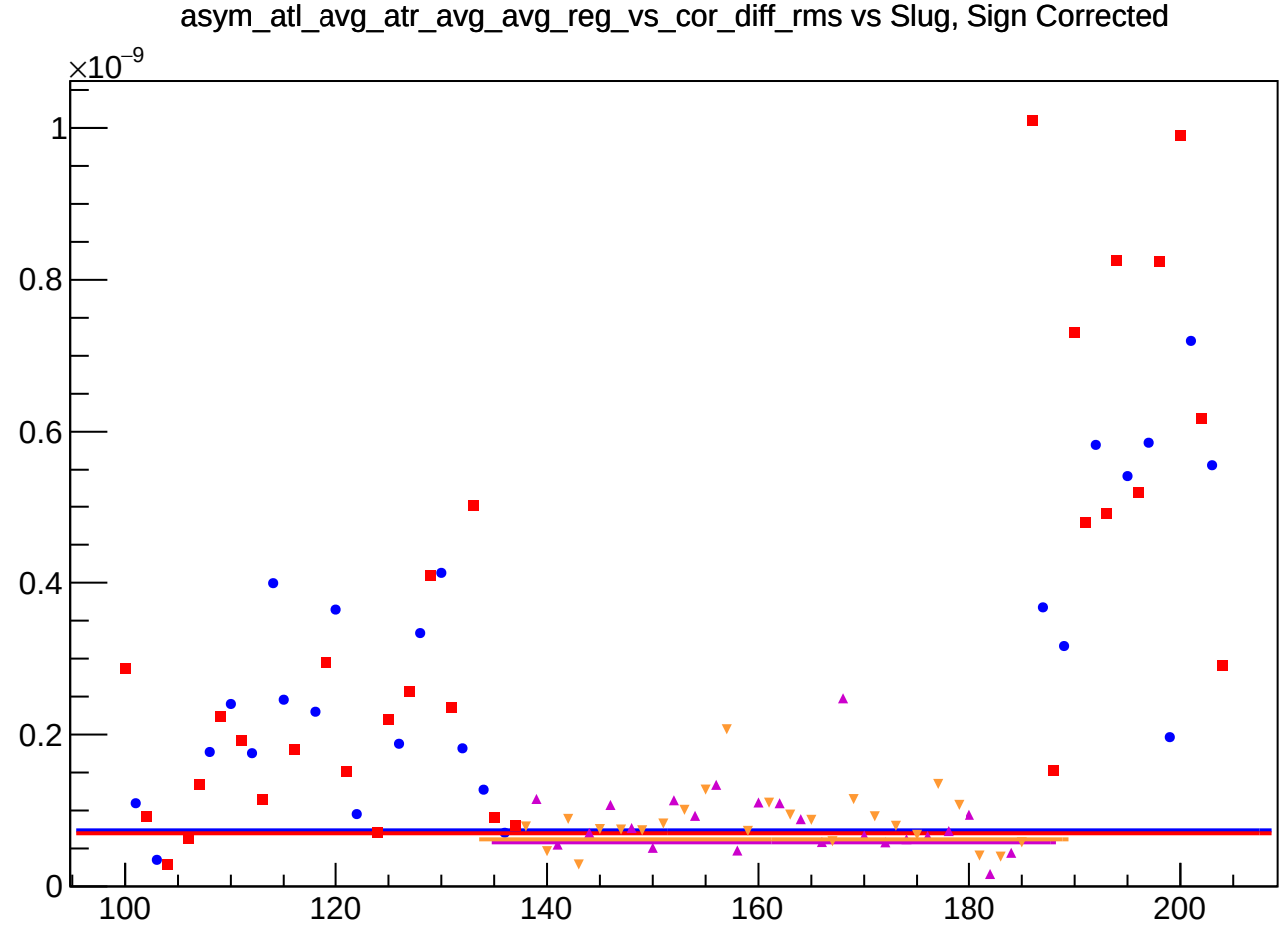
Left: -0.000+/-0.000 χ^2/NDF: 59.5/47

Right: 0.000+/-0.000 χ^2/NDF: 52.4/53

In: -0.000+/-0.000 χ^2/NDF:49.0/46

Out: 0.000+/-0.000 χ^2/NDF:60.6/54

All: -0.000+/-0.000 χ^2/NDF: 112.2/101



Right In: 0.000+/-0.000 χ^2/NDF: 5850230.1/23

Left Out: 0.000+/-0.000 χ^2/NDF:2443383.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7831345.9/29

Left In: 0.000+/-0.000 χ^2/NDF:2966562.8/22

Left: 0.000+/-0.000 χ^2/NDF: 5432557.1/47

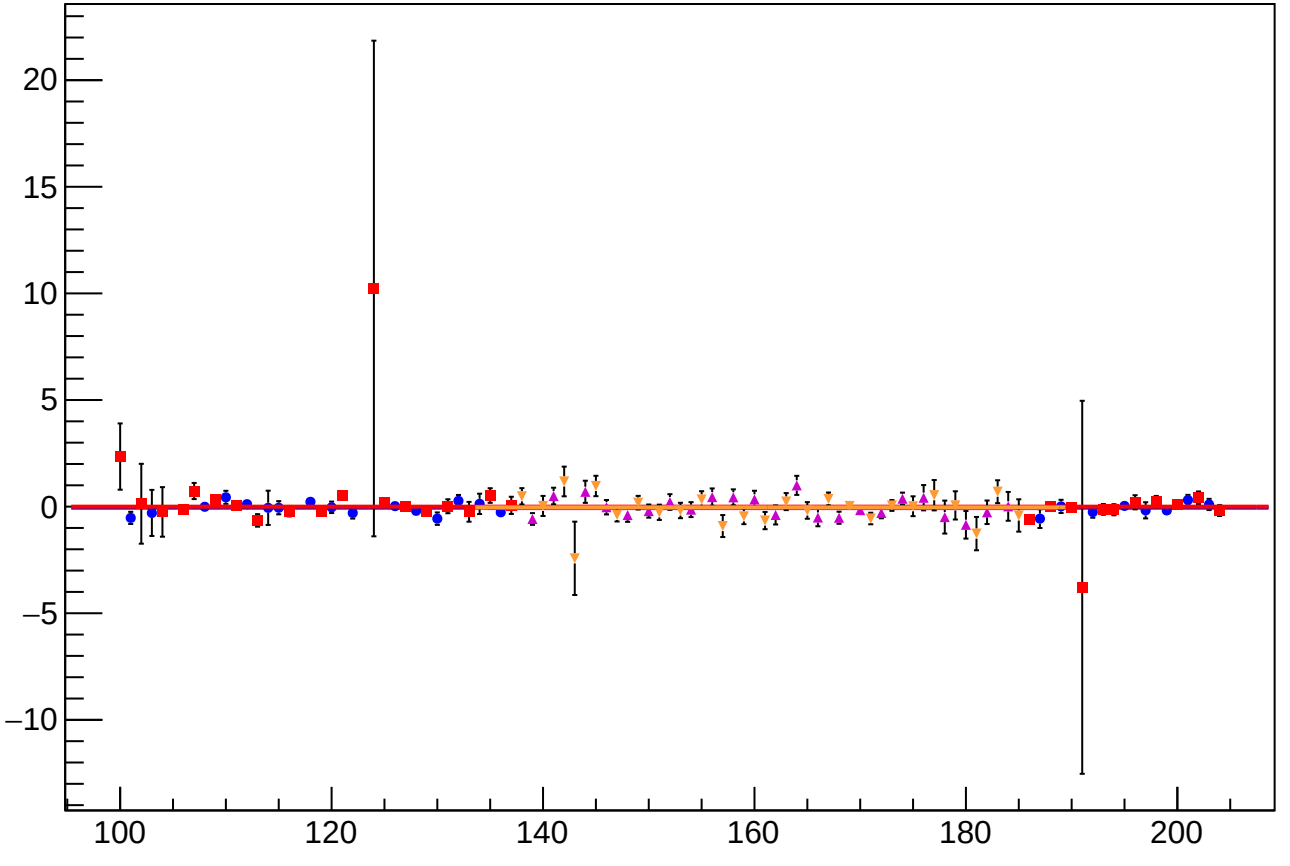
Right: 0.000+/-0.000 χ^2/NDF: 13688195.4/53

In: 0.000+/-0.000 χ^2/NDF:8983494.1/46

Out: 0.000+/-0.000 χ^2/NDF:10319748.0/54

All: 0.000+/-0.000 χ^2/NDF: 19312302.5/101

asym_atl_avg_atr_avg_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.047+/-0.055 χ^2/NDF: 20.0/23

Left Out: -0.035+/-0.077 χ^2/NDF:32.5/24

Right Out: -0.001+/-0.046 χ^2/NDF: 39.8/29

Left In: -0.069+/-0.075 χ^2/NDF:29.9/22

Left: -0.052+/-0.054 χ^2/NDF: 62.6/47

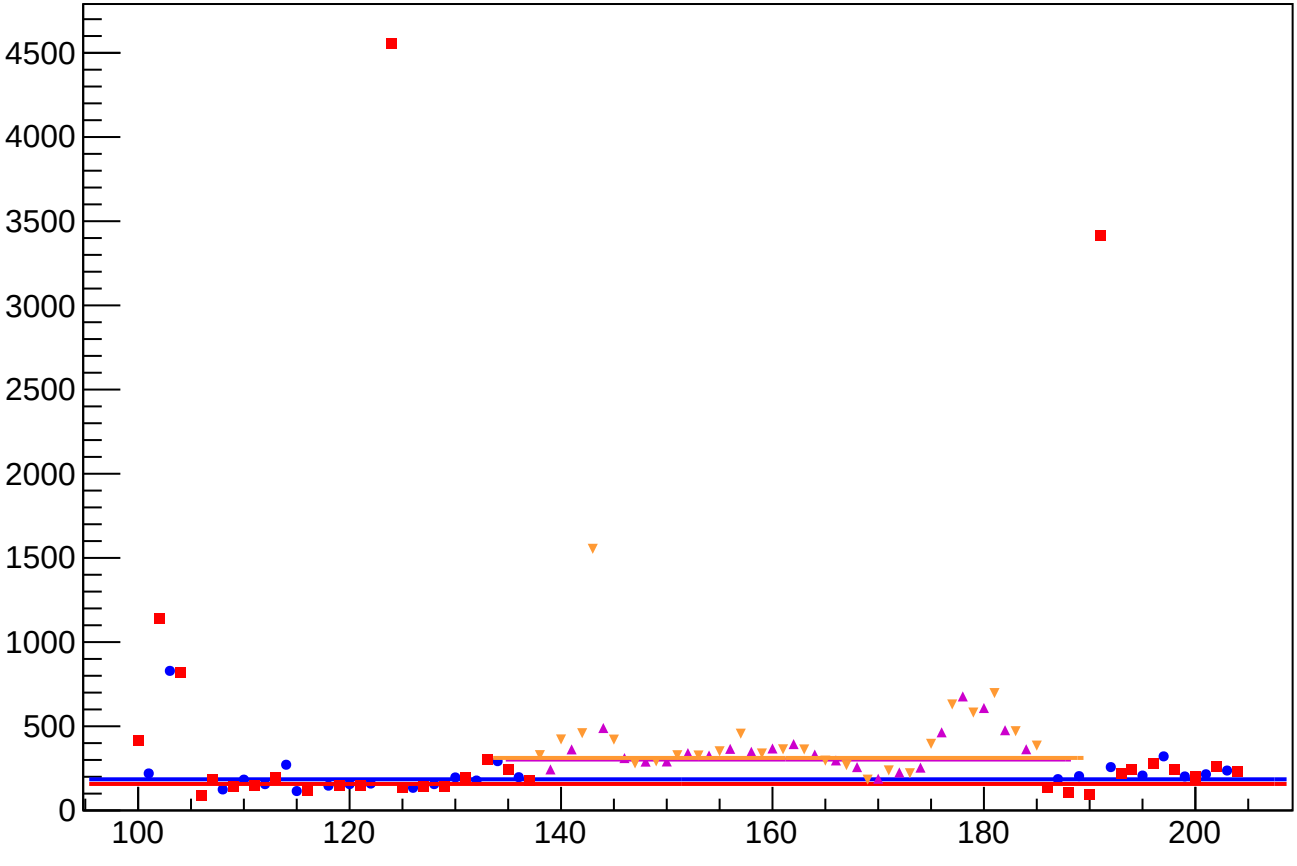
Right: -0.020+/-0.035 χ^2/NDF: 60.2/53

In: -0.055+/-0.044 χ^2/NDF:49.9/46

Out: -0.010+/-0.039 χ^2/NDF:72.5/54

All: -0.030+/-0.029 χ^2/NDF: 123.0/101

asym_atl_avg_atr_avg_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 185.062+/-0.039 χ^2/NDF: 1991058.3/23

Left Out: 311.961+/-0.054 χ^2/NDF:4350162.2/24

Right Out: 157.391+/-0.032 χ^2/NDF: 4633766.4/29

Left In: 302.375+/-0.053 χ^2/NDF:2808730.8/22

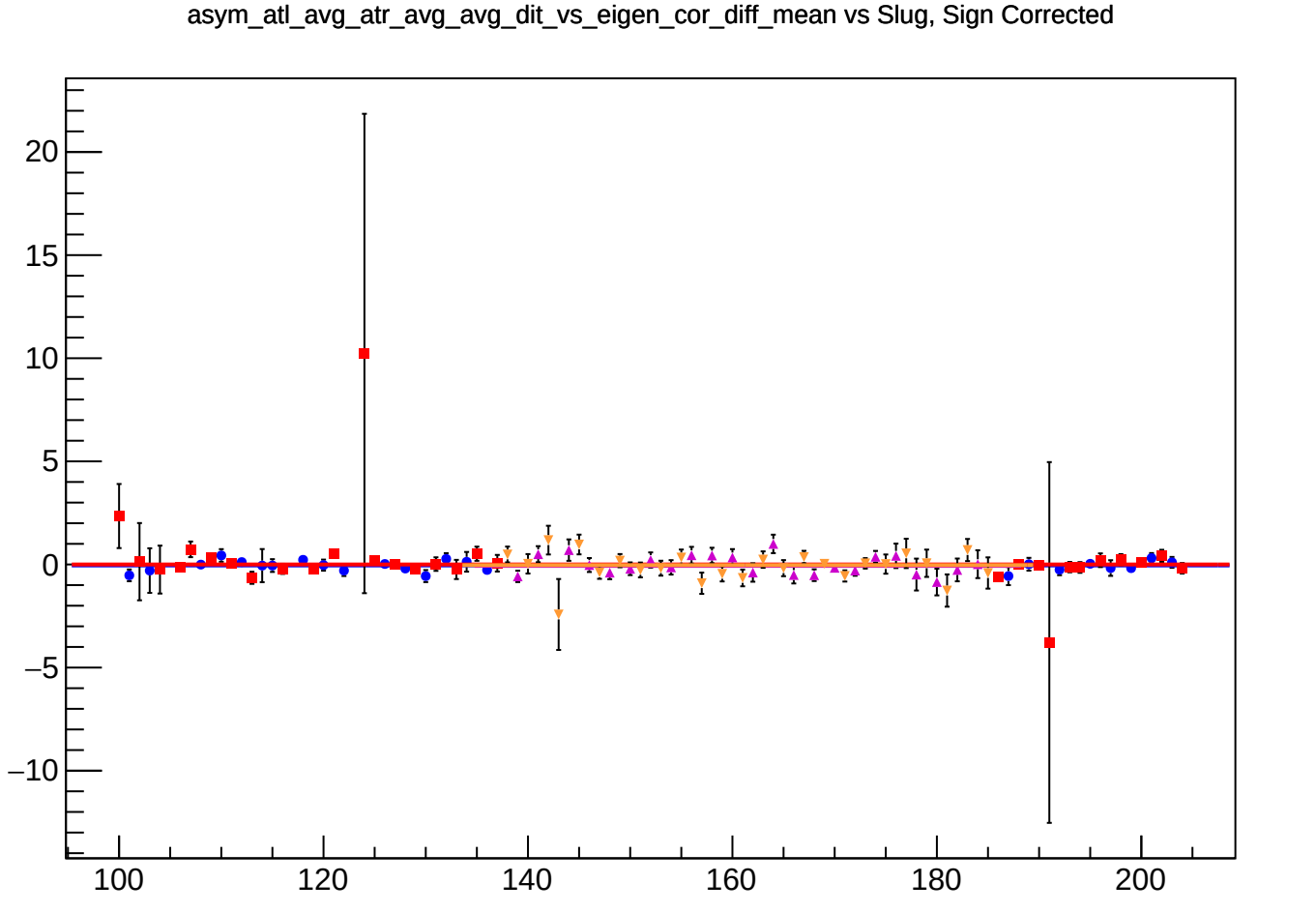
Left: 307.056+/-0.038 χ^2/NDF: 7174887.7/47

Right: 168.806+/-0.025 χ^2/NDF: 6924248.2/53

In: 225.984+/-0.031 χ^2/NDF:7995064.4/46

Out: 198.214+/-0.028 χ^2/NDF:14965309.4/54

All: 210.500+/-0.021 χ^2/NDF: 23399875.9/10



Right In: -0.047+/-0.055 χ^2/NDF: 20.0/23

Left Out: -0.035+/-0.077 χ^2/NDF:32.5/24

Right Out: -0.001+/-0.046 χ^2/NDF: 39.8/29

Left In: -0.069+/-0.075 χ^2/NDF:29.9/22

Left: -0.052+/-0.054 χ^2/NDF: 62.6/47

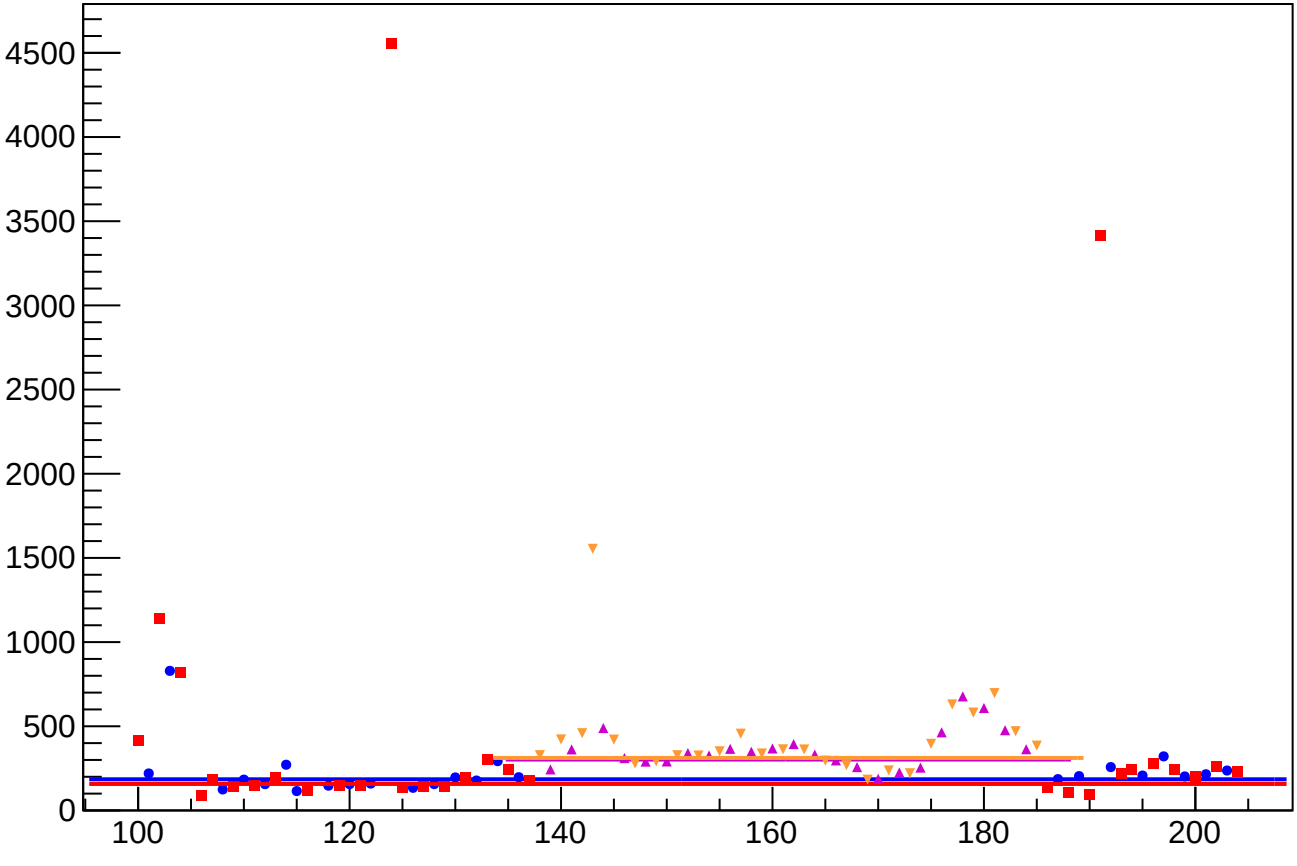
Right: -0.020+/-0.035 χ^2/NDF: 60.2/53

In: -0.055+/-0.044 χ^2/NDF:49.9/46

Out: -0.010+/-0.039 χ^2/NDF:72.5/54

All: -0.030+/-0.029 χ^2/NDF: 123.0/101

asym_atl_avg_atr_avg_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 185.062+/-0.039 χ^2/NDF: 1991058.3/23

Left Out: 311.961+/-0.054 χ^2/NDF:4350162.2/24

Right Out: 157.391+/-0.032 χ^2/NDF: 4633766.4/29

Left In: 302.375+/-0.053 χ^2/NDF:2808730.8/22

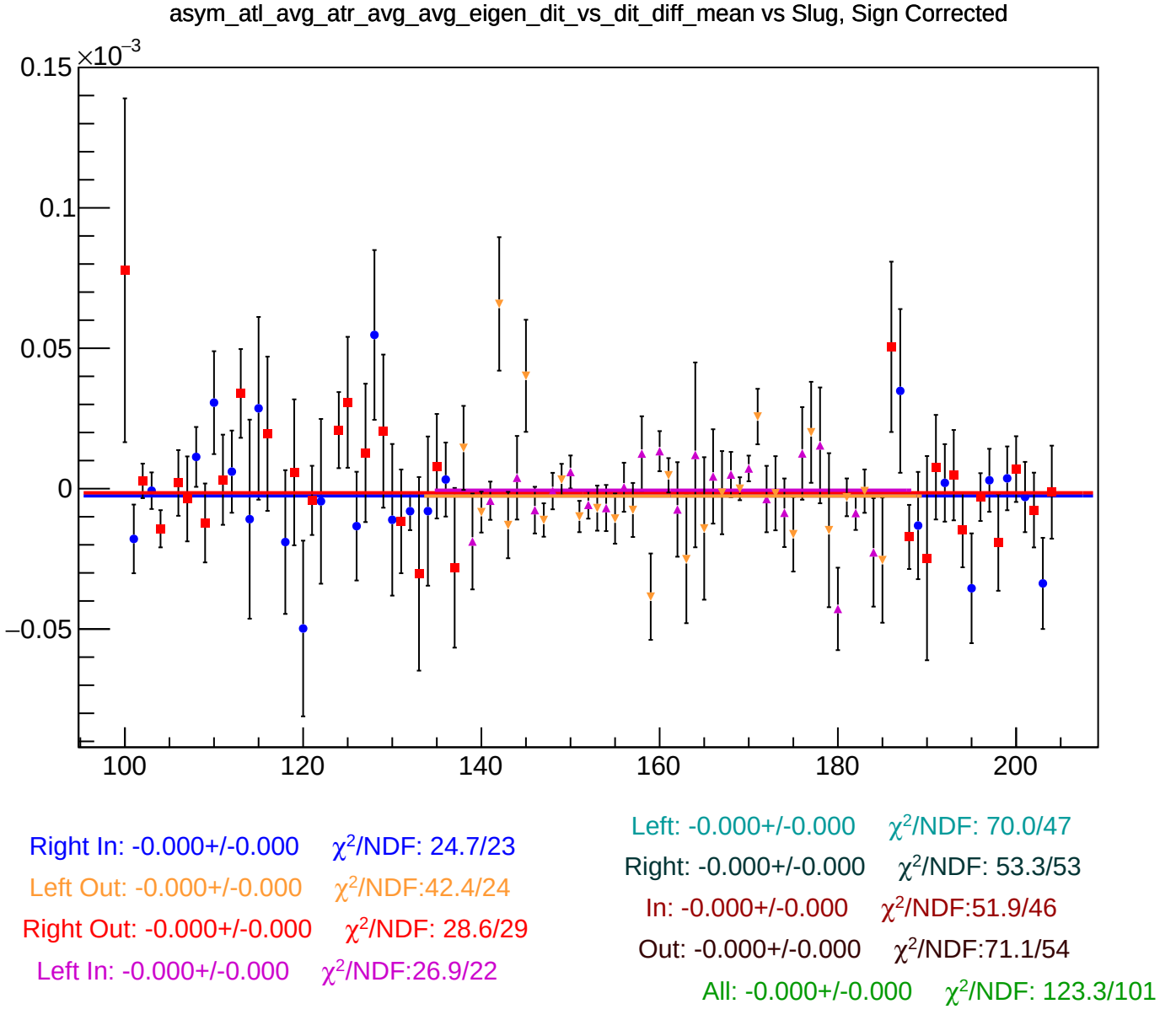
Left: 307.056+/-0.038 χ^2/NDF: 7174887.7/47

Right: 168.806+/-0.025 χ^2/NDF: 6924248.2/53

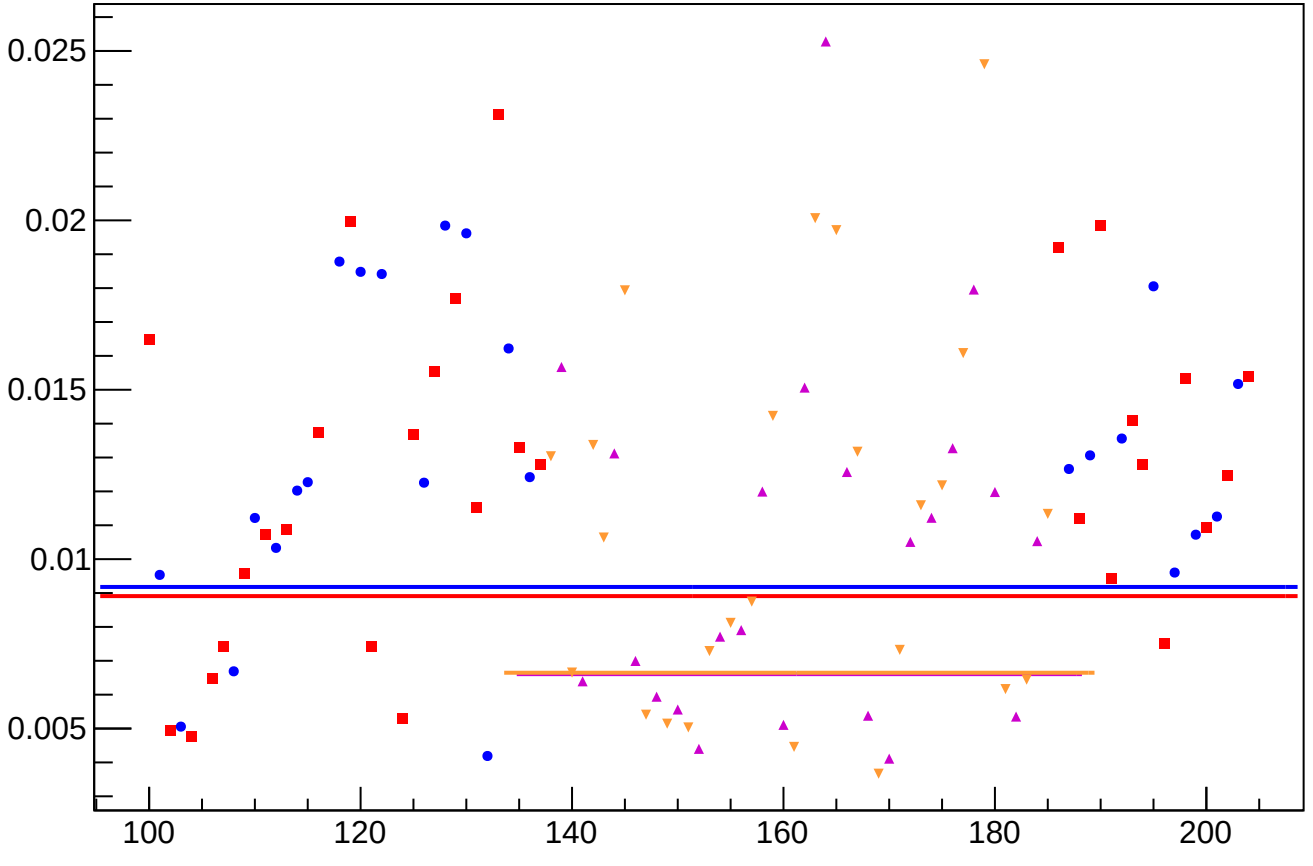
In: 225.984+/-0.031 χ^2/NDF:7995064.4/46

Out: 198.214+/-0.028 χ^2/NDF:14965309.4/54

All: 210.500+/-0.021 χ^2/NDF: 23399875.9/10


asym_atl_avg_atr_avg_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.15
0.1
0.05
0
−0.05
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 24.7/23
Left Out: -0.000+/-0.000 χ²/NDF:42.4/24
Right Out: -0.000+/-0.000 χ²/NDF: 28.6/29
Left In: -0.000+/-0.000 χ²/NDF:26.9/22
Left: -0.000+/-0.000 χ²/NDF: 70.0/47
Right: -0.000+/-0.000 χ²/NDF: 53.3/53
In: -0.000+/-0.000 χ²/NDF:51.9/46
Out: -0.000+/-0.000 χ²/NDF:71.1/54
All: -0.000+/-0.000 χ²/NDF: 123.3/101

asym_atl_avg_atr_avg_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 4685036.4/23

Left Out: 0.007+/-0.000 χ^2/NDF:7513935.6/24

Right Out: 0.009+/-0.000 χ^2/NDF: 5079640.4/29

Left In: 0.007+/-0.000 χ^2/NDF:5855747.2/22

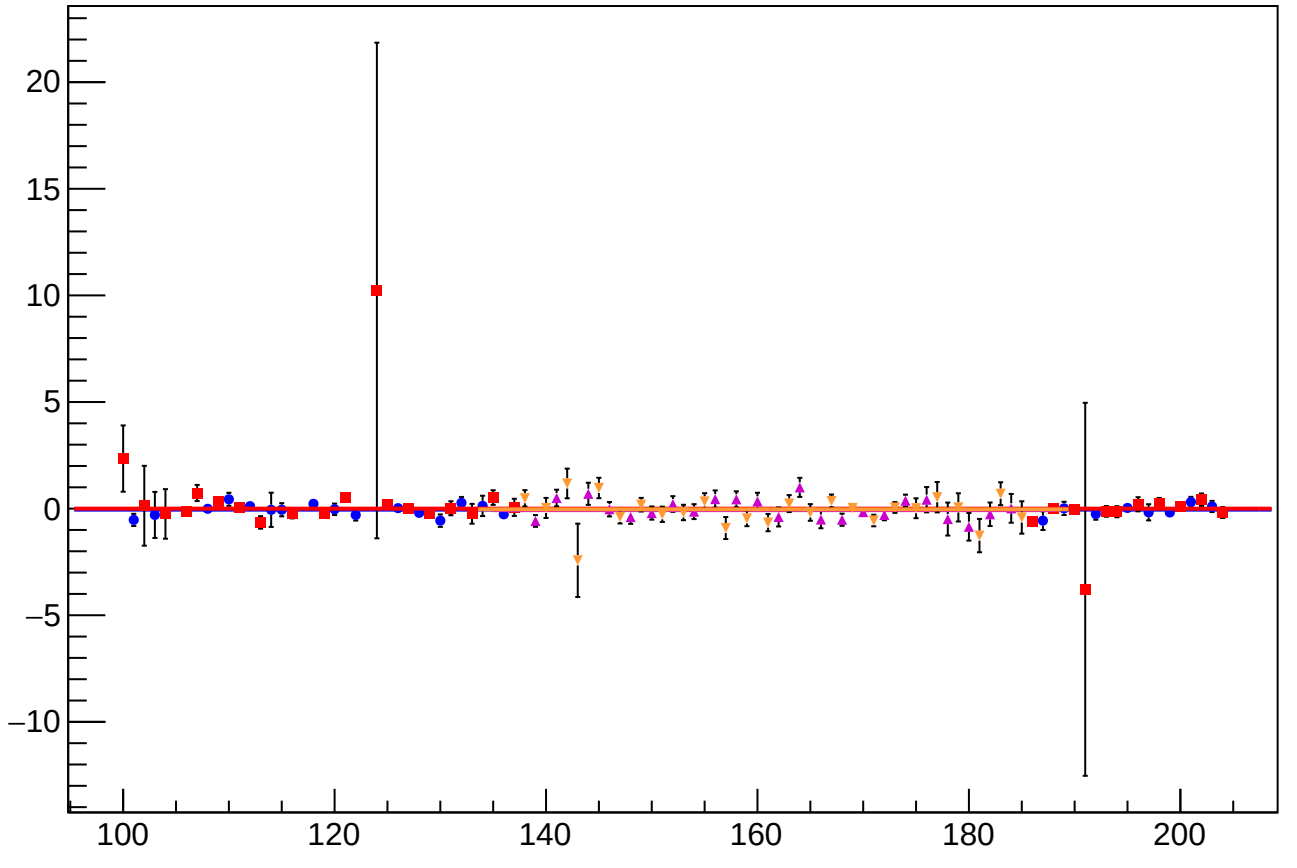
Left: 0.007+/-0.000 χ^2/NDF: 13370244.6/47

Right: 0.009+/-0.000 χ^2/NDF: 9774794.6/53

In: 0.007+/-0.000 χ^2/NDF:11722542.8/46

Out: 0.007+/-0.000 χ^2/NDF:13685036.9/54

All: 0.007+/-0.000 χ^2/NDF: 25408548.9/101



Right In: -0.047+/-0.055 χ^2/NDF: 20.0/23

Left Out: -0.035+/-0.077 χ^2/NDF:32.5/24

Right Out: -0.001+/-0.046 χ^2/NDF: 39.8/29

Left In: -0.069+/-0.075 χ^2/NDF:29.9/22

Left: -0.052+/-0.054 χ^2/NDF: 62.6/47

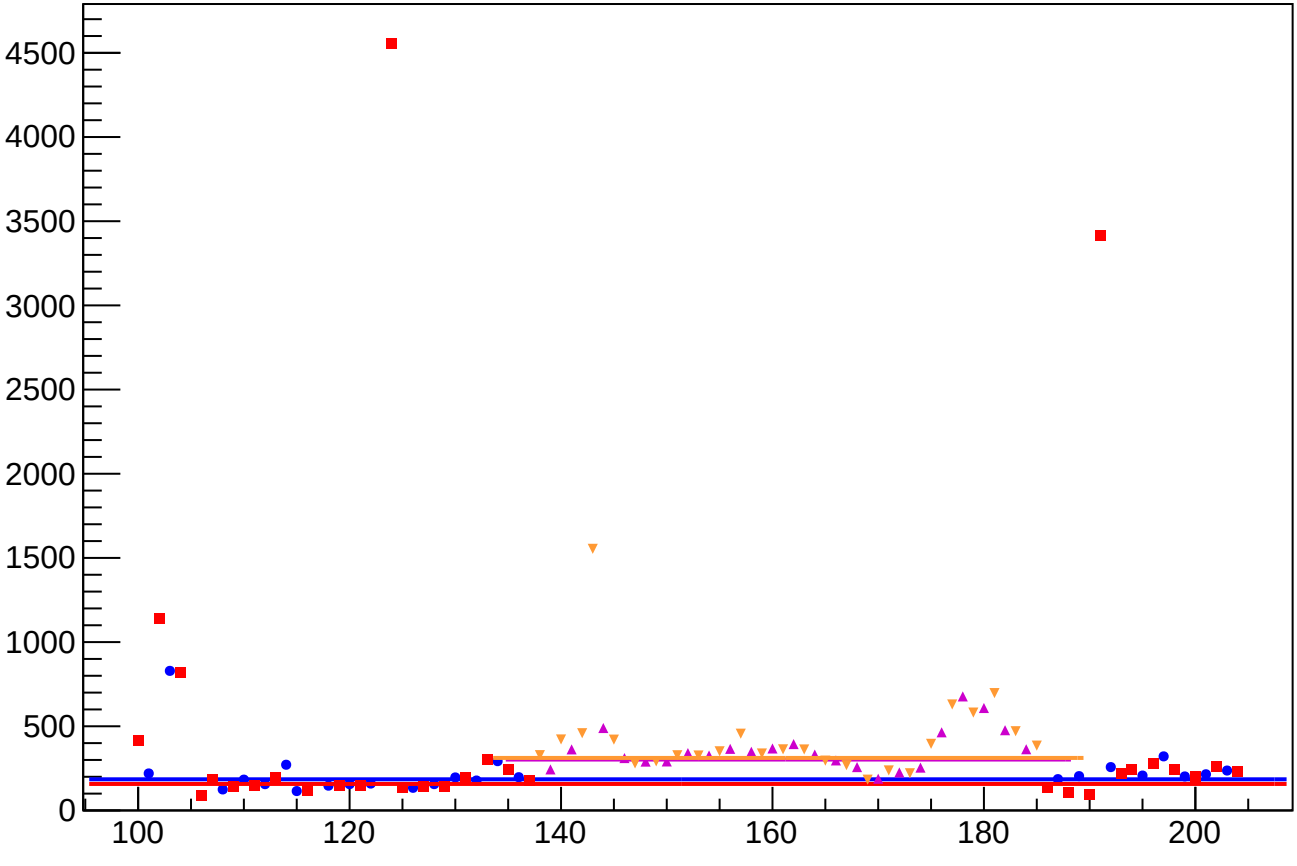
Right: -0.020+/-0.035 χ^2/NDF: 60.2/53

In: -0.055+/-0.044 χ^2/NDF:49.9/46

Out: -0.010+/-0.039 χ^2/NDF:72.5/54

All: -0.030+/-0.029 χ^2/NDF: 123.0/101

asym_atl_avg_atr_avg_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 185.062+/-0.039 χ^2/NDF: 1991071.2/23

Left Out: 311.961+/-0.054 χ^2/NDF:4350376.6/24

Right Out: 157.387+/-0.032 χ^2/NDF: 4633997.2/29

Left In: 302.377+/-0.053 χ^2/NDF:2808874.8/22

Left: 307.056+/-0.038 χ^2/NDF: 7175242.0/47

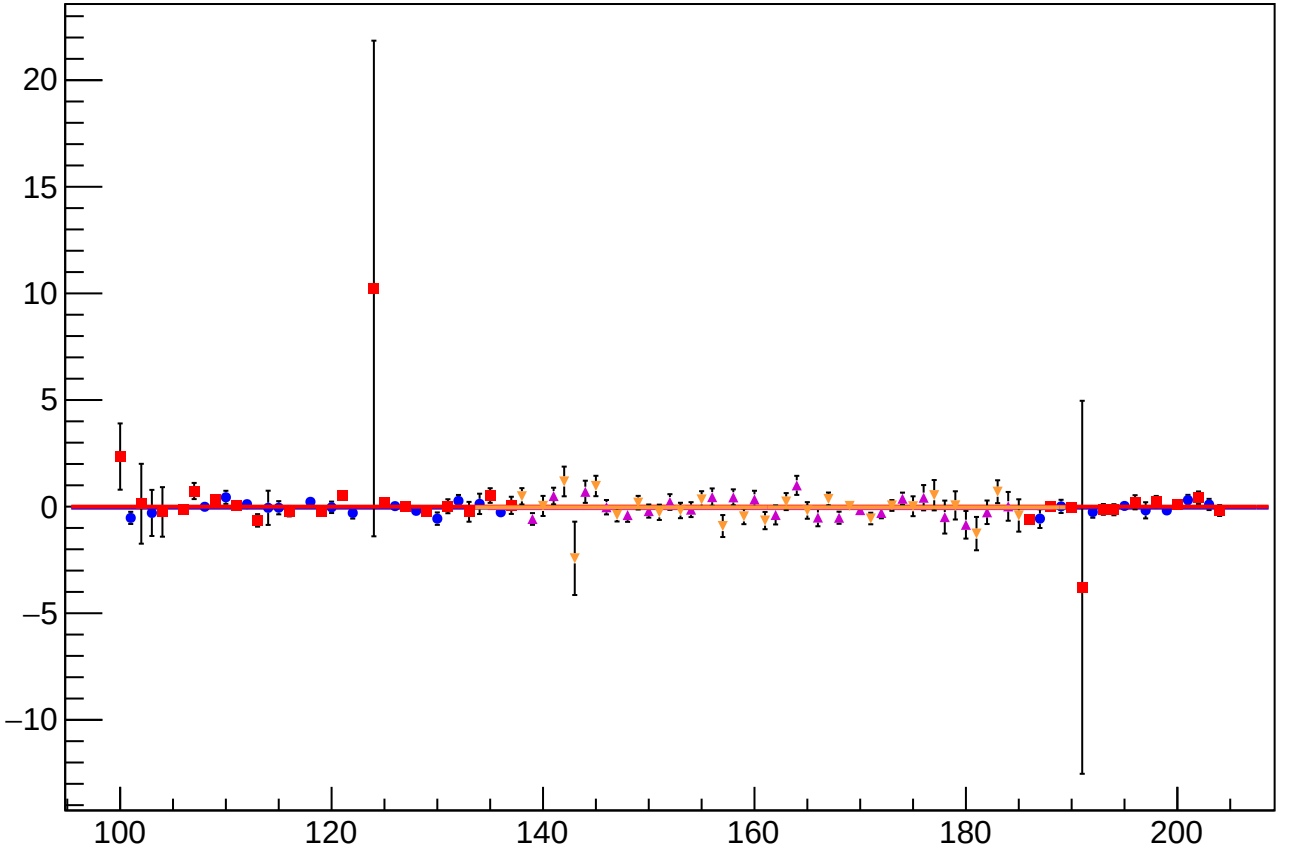
Right: 168.803+/-0.025 χ^2/NDF: 6924561.1/53

In: 225.984+/-0.031 χ^2/NDF:7995281.2/46

Out: 198.210+/-0.028 χ^2/NDF:14966030.6/54

All: 210.498+/-0.021 χ^2/NDF: 23400920.5/10

asym_atl_avg_atr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.047+/-0.055 χ^2/NDF: 20.0/23

Left Out: -0.035+/-0.077 χ^2/NDF:32.5/24

Right Out: -0.001+/-0.046 χ^2/NDF: 39.8/29

Left In: -0.069+/-0.075 χ^2/NDF:29.9/22

Left: -0.052+/-0.054 χ^2/NDF: 62.6/47

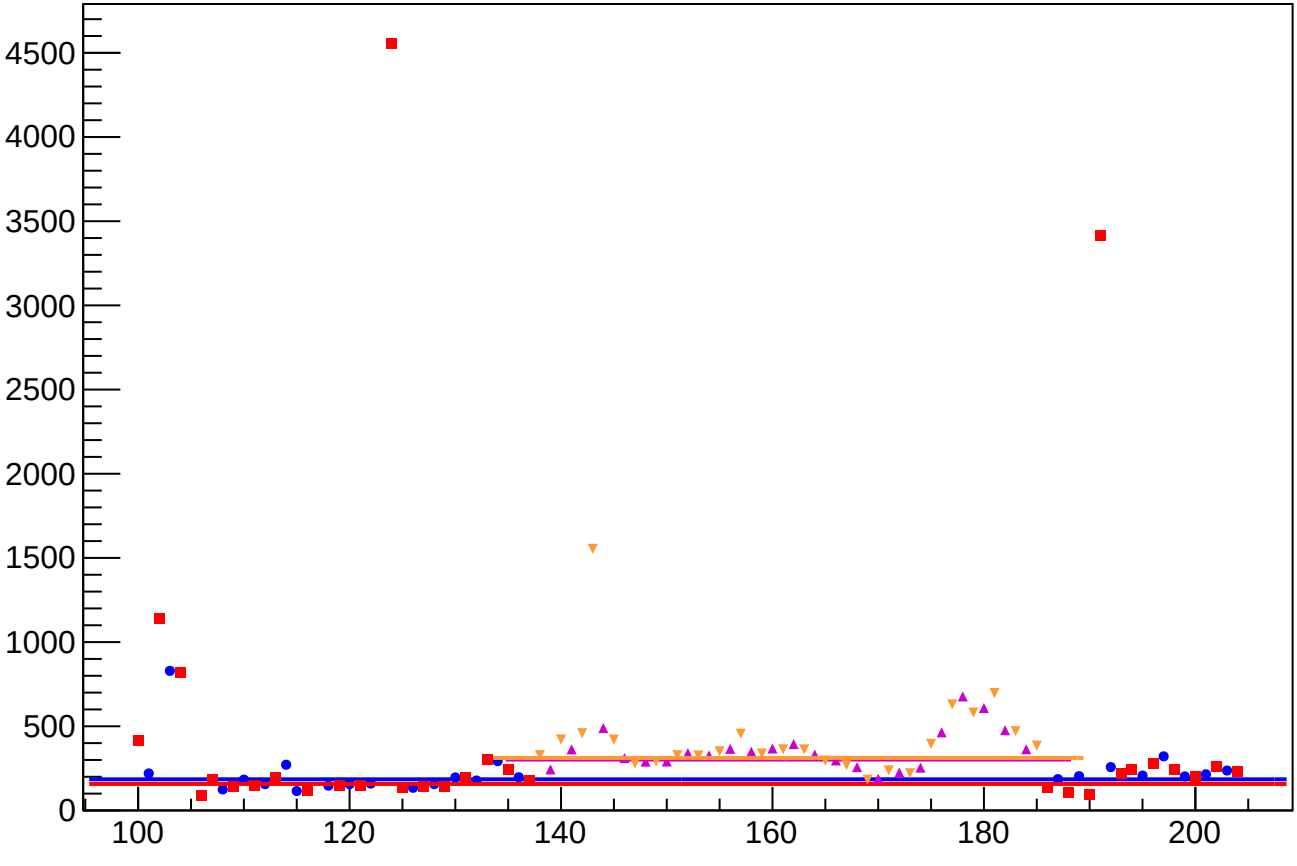
Right: -0.020+/-0.035 χ^2/NDF: 60.2/53

In: -0.055+/-0.044 χ^2/NDF:49.9/46

Out: -0.010+/-0.039 χ^2/NDF:72.5/54

All: -0.030+/-0.029 χ^2/NDF: 123.0/101

asym_atl_avg_atr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 185.062+/-0.039 χ^2/NDF: 1991071.2/23

Left Out: 311.961+/-0.054 χ^2/NDF:4350376.6/24

Right Out: 157.387+/-0.032 χ^2/NDF: 4633997.2/29

Left In: 302.377+/-0.053 χ^2/NDF:2808874.8/22

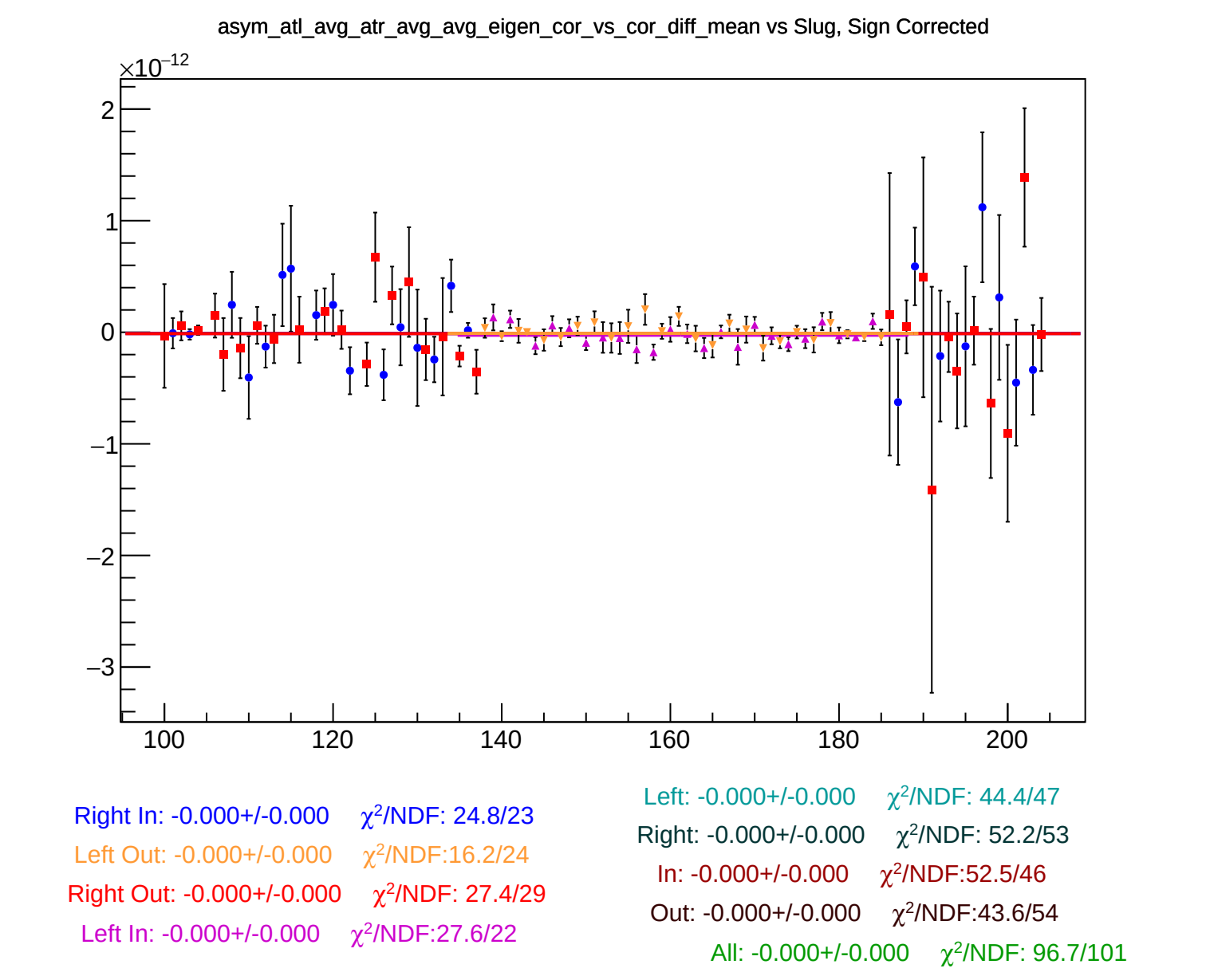
Left: 307.056+/-0.038 χ^2/NDF: 7175242.0/47

Right: 168.803+/-0.025 χ^2/NDF: 6924561.1/53

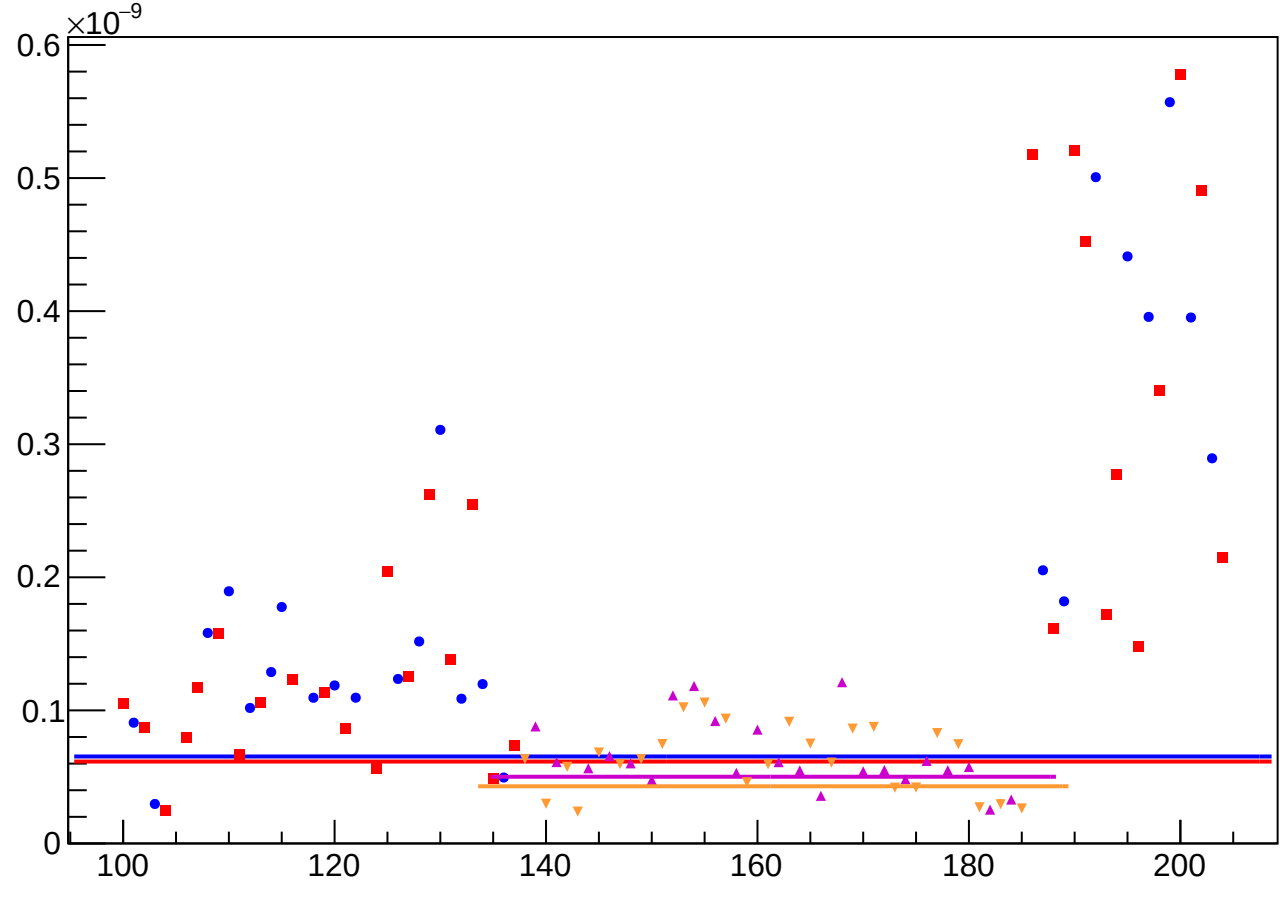
In: 225.984+/-0.031 χ^2/NDF:7995281.2/46

Out: 198.210+/-0.028 χ^2/NDF:14966030.6/54

All: 210.498+/-0.021 χ^2/NDF: 23400920.5/10


asym_atl_avg_atr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
1
0
−1
−2
−3
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 24.8/23
Left Out: -0.000+/-0.000 χ²/NDF:16.2/24
Right Out: -0.000+/-0.000 χ²/NDF: 27.4/29
Left In: -0.000+/-0.000 χ²/NDF:27.6/22
Left: -0.000+/-0.000 χ²/NDF: 44.4/47
Right: -0.000+/-0.000 χ²/NDF: 52.2/53
In: -0.000+/-0.000 χ²/NDF:52.5/46
Out: -0.000+/-0.000 χ²/NDF:43.6/54
All: -0.000+/-0.000 χ²/NDF: 96.7/101

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: 7777370.4/23

Left Out: 0.000+/-0.000 χ^2/NDF:5074676.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7881426.3/29

Left In: 0.000+/-0.000 χ^2/NDF:3611362.7/22

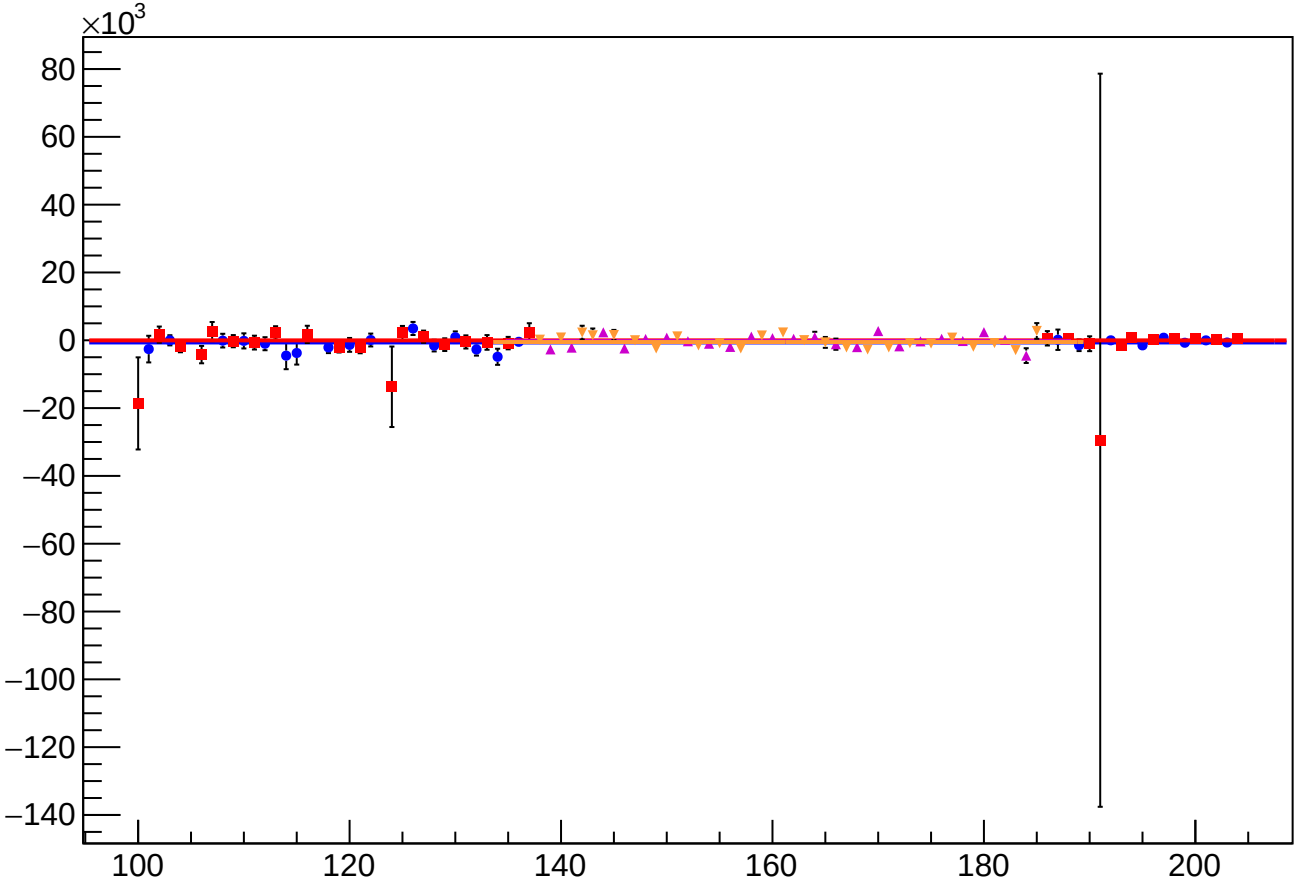
Left: 0.000+/-0.000 χ^2/NDF: 8935509.5/47

Right: 0.000+/-0.000 χ^2/NDF: 15673292.4/53

In: 0.000+/-0.000 χ^2/NDF:11749854.6/46

Out: 0.000+/-0.000 χ^2/NDF:13574614.6/54

All: 0.000+/-0.000 χ^2/NDF: 25604986.1/101



Right In: -637.841+/-355.983 χ^2/NDF: 15.6/23

Left Out: -514.484+/-285.945 χ^2/NDF:30.9/24

Right Out: -28.225+/-335.351 χ^2/NDF: 18.9/29

Left In: -242.686+/-291.166 χ^2/NDF:32.0/22

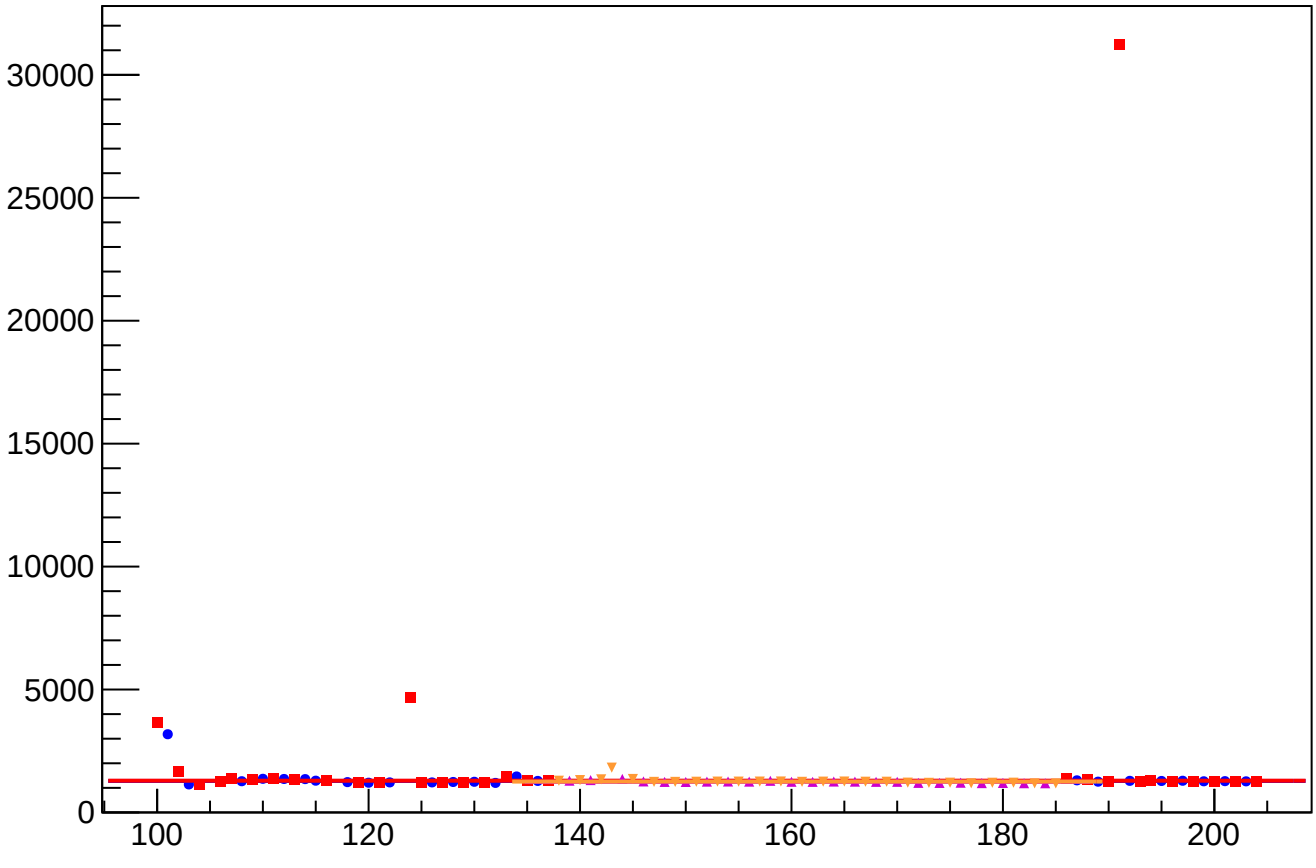
Left: -381.044+/-204.014 χ^2/NDF: 63.4/47

Right: -314.856+/-244.097 χ^2/NDF: 36.1/53

In: -401.079+/-225.379 χ^2/NDF:48.4/46

Out: -309.780+/-217.585 χ^2/NDF:51.0/54

All: -353.823+/-156.539 χ^2/NDF: 99.5/101



Right In: 1281.200+/-0.252 χ^2/NDF: 519673.8/23

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.1/24

Right Out: 1291.146+/-0.237 χ^2/NDF: 492212.3/29

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

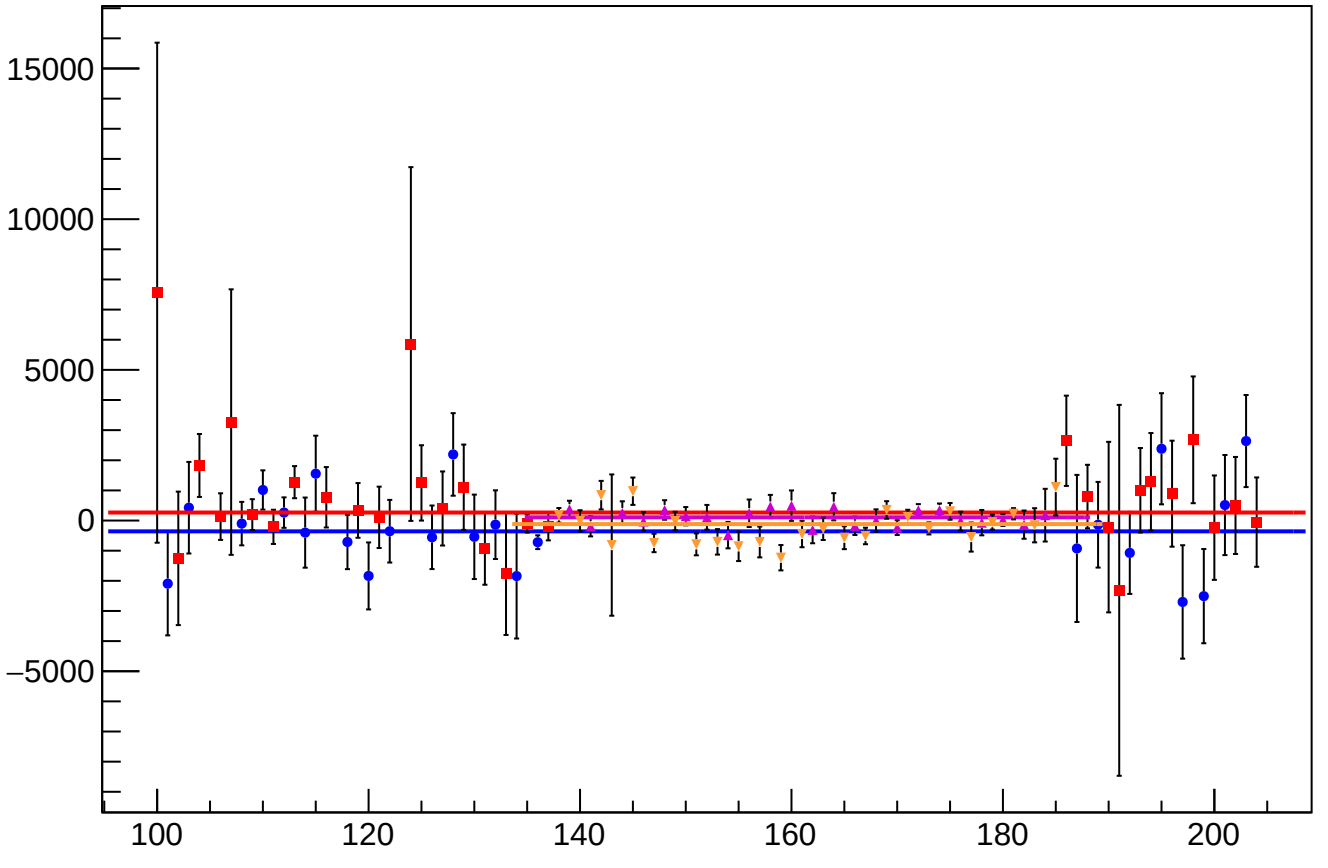
Left: 1251.017+/-0.144 χ^2/NDF: 243988.6/47

Right: 1286.470+/-0.173 χ^2/NDF: 1012713.3/53

In: 1260.322+/-0.159 χ^2/NDF:571012.8/46

Out: 1270.514+/-0.154 χ^2/NDF:708410.6/54

All: 1265.597+/-0.111 χ^2/NDF: 1281540.4/10



Right In: -358.361+/-161.534 χ^2/NDF: 28.3/23

Left Out: -117.028+/-65.059 χ^2/NDF:48.4/24

Right Out: 266.533+/-160.363 χ^2/NDF: 20.1/29

Left In: 107.341+/-67.001 χ^2/NDF:13.7/22

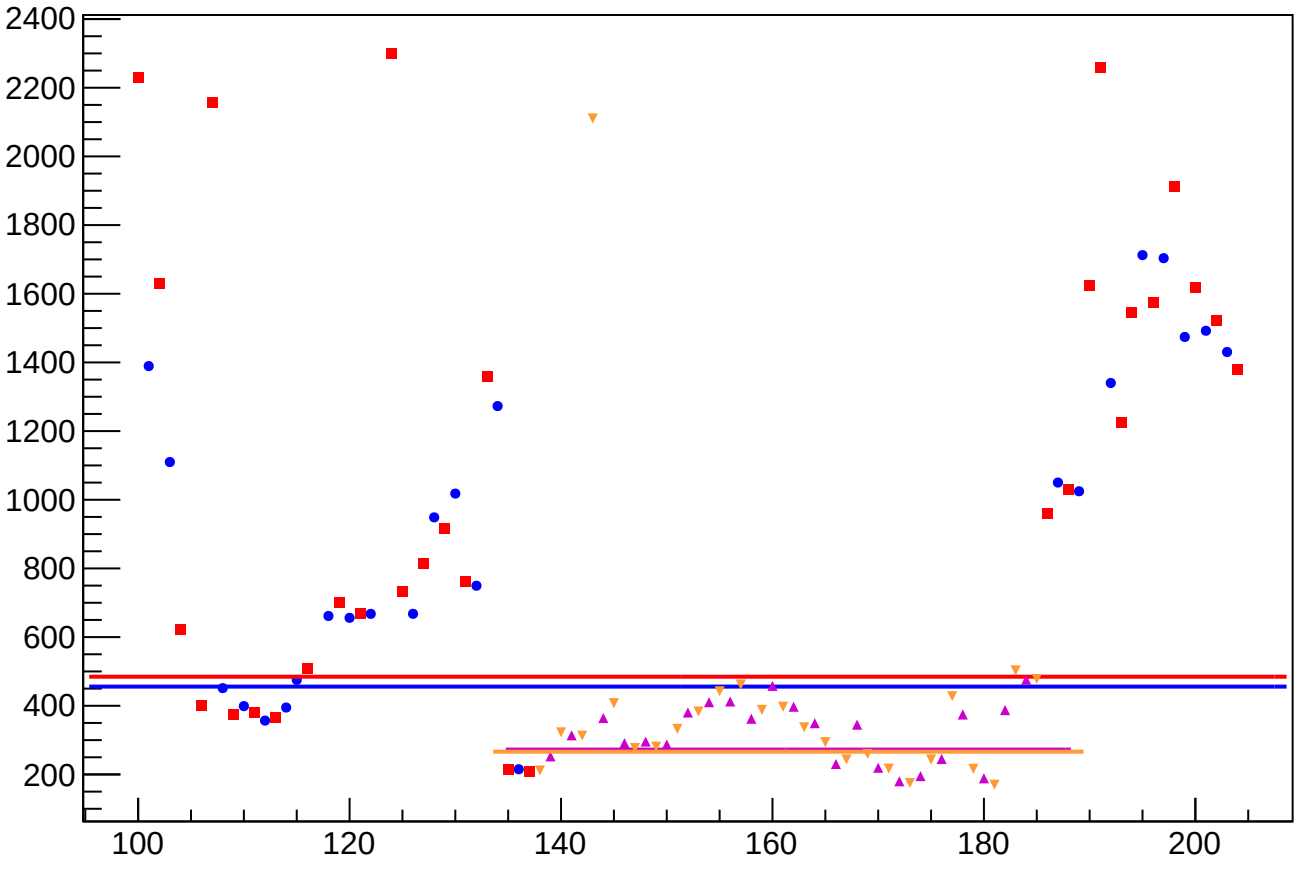
Left: -8.142+/-46.675 χ^2/NDF: 67.9/47

Right: -43.641+/-113.806 χ^2/NDF: 55.9/53

In: 38.982+/-61.888 χ^2/NDF:49.1/46

Out: -62.820+/-60.287 χ^2/NDF:73.5/54

All: -13.254+/-43.184 χ^2/NDF: 124.0/101



Right In: 455.835+/-0.114 χ^2/NDF: 10162596.3/23

Left Out: 266.321+/-0.046 χ^2/NDF:4630130.4/24

Right Out: 484.674+/-0.113 χ^2/NDF: 11519998.8/29

Left In: 272.368+/-0.047 χ^2/NDF:2887823.5/22

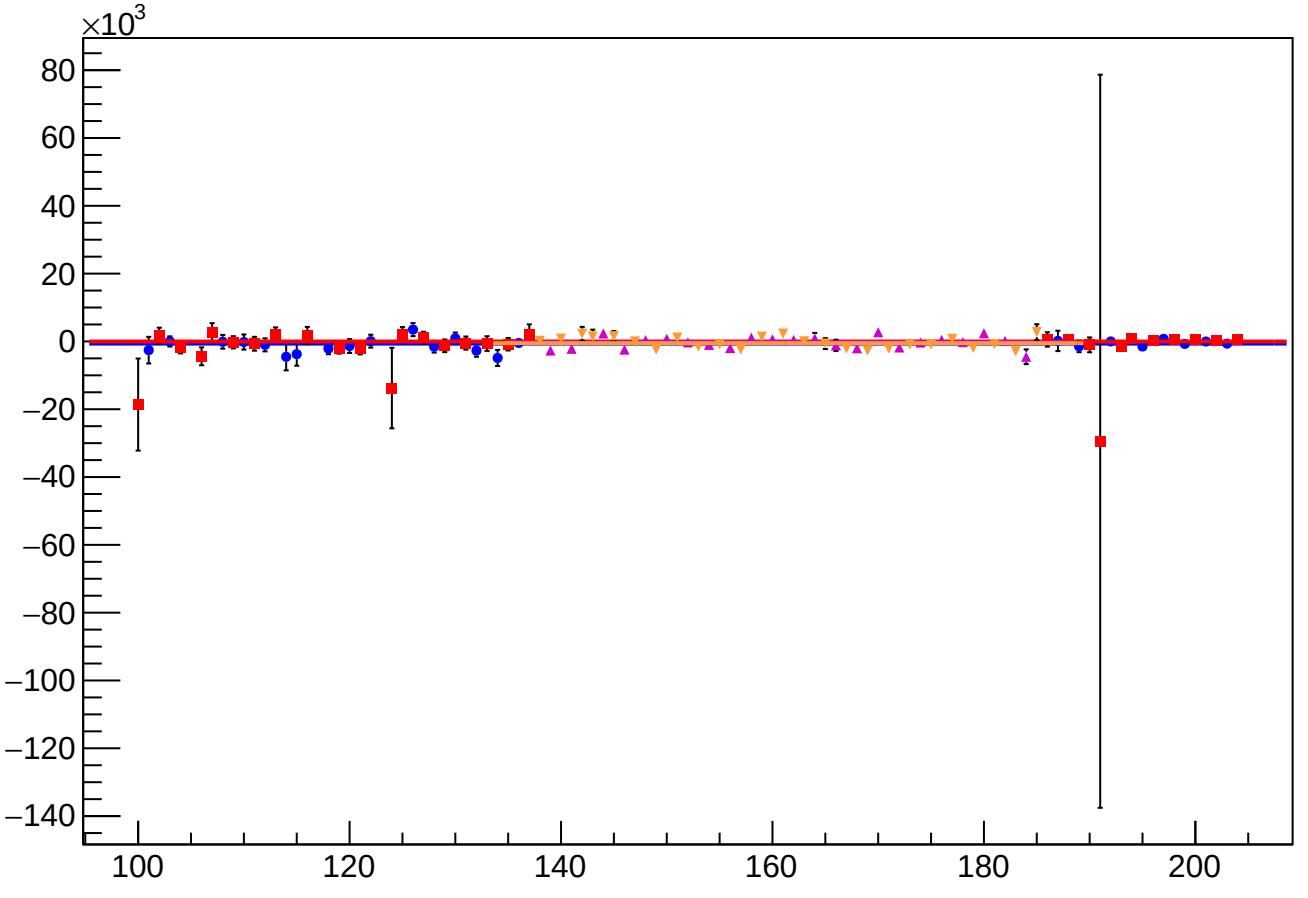
Left: 269.255+/-0.033 χ^2/NDF: 7526339.3/47

Right: 470.359+/-0.080 χ^2/NDF: 21714701.2/53

In: 299.298+/-0.044 χ^2/NDF:15251691.7/46

Out: 297.180+/-0.043 χ^2/NDF:19334075.9/54

All: 298.212+/-0.031 χ^2/NDF: 34586969.7/10



Right In: -637.671+/-355.983 χ^2/NDF: 15.6/23

Left Out: -514.430+/-285.945 χ^2/NDF:30.9/24

Right Out: -26.634+/-335.523 χ^2/NDF: 18.9/29

Left In: -242.663+/-291.166 χ^2/NDF:32.0/22

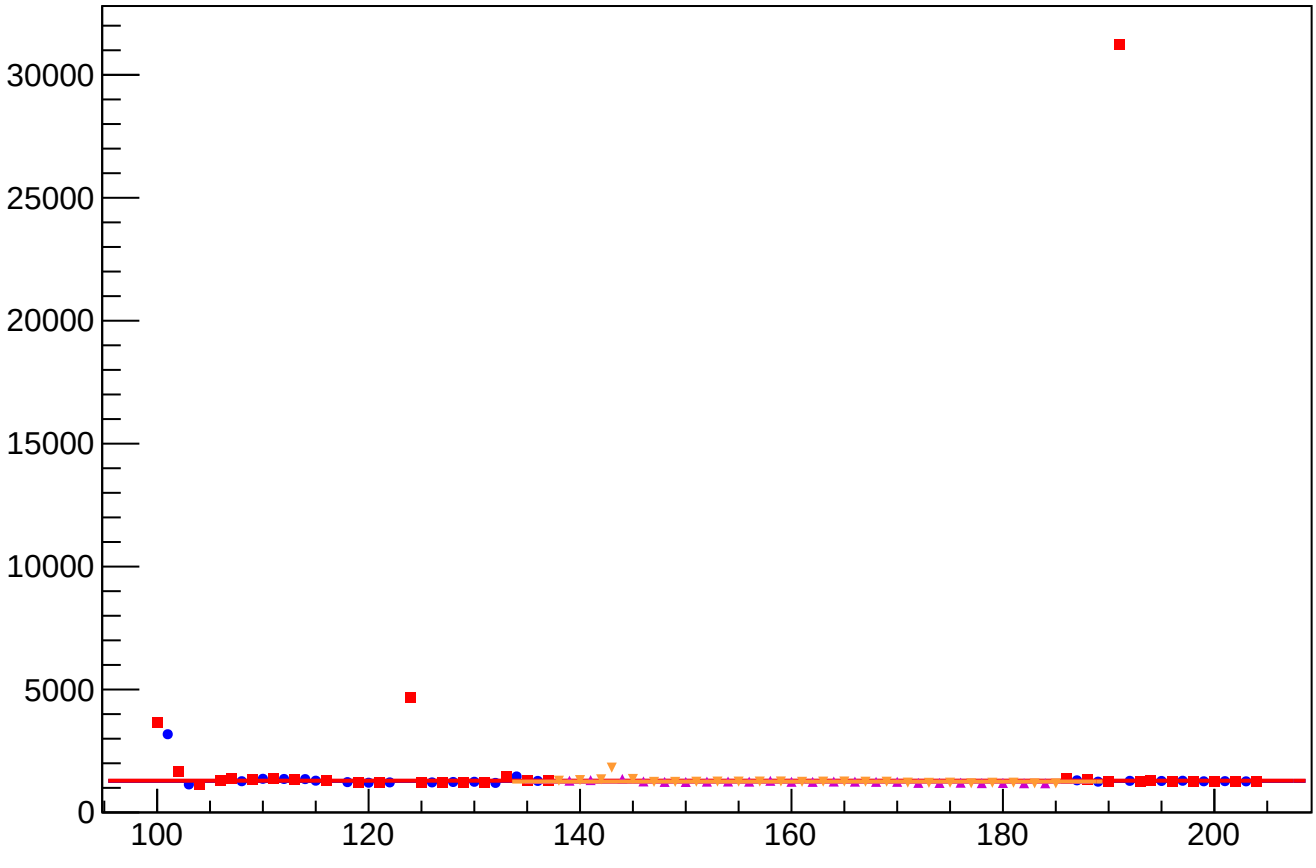
Left: -381.005+/-204.014 χ^2/NDF: 63.4/47

Right: -314.089+/-244.163 χ^2/NDF: 36.1/53

In: -400.997+/-225.379 χ^2/NDF:48.4/46

Out: -309.200+/-217.632 χ^2/NDF:51.1/54

All: -353.494+/-156.556 χ^2/NDF: 99.6/101



Right In: 1281.200+/-0.252 χ^2/NDF: 519675.2/23

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.0/24

Right Out: 1291.832+/-0.237 χ^2/NDF: 492010.9/29

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

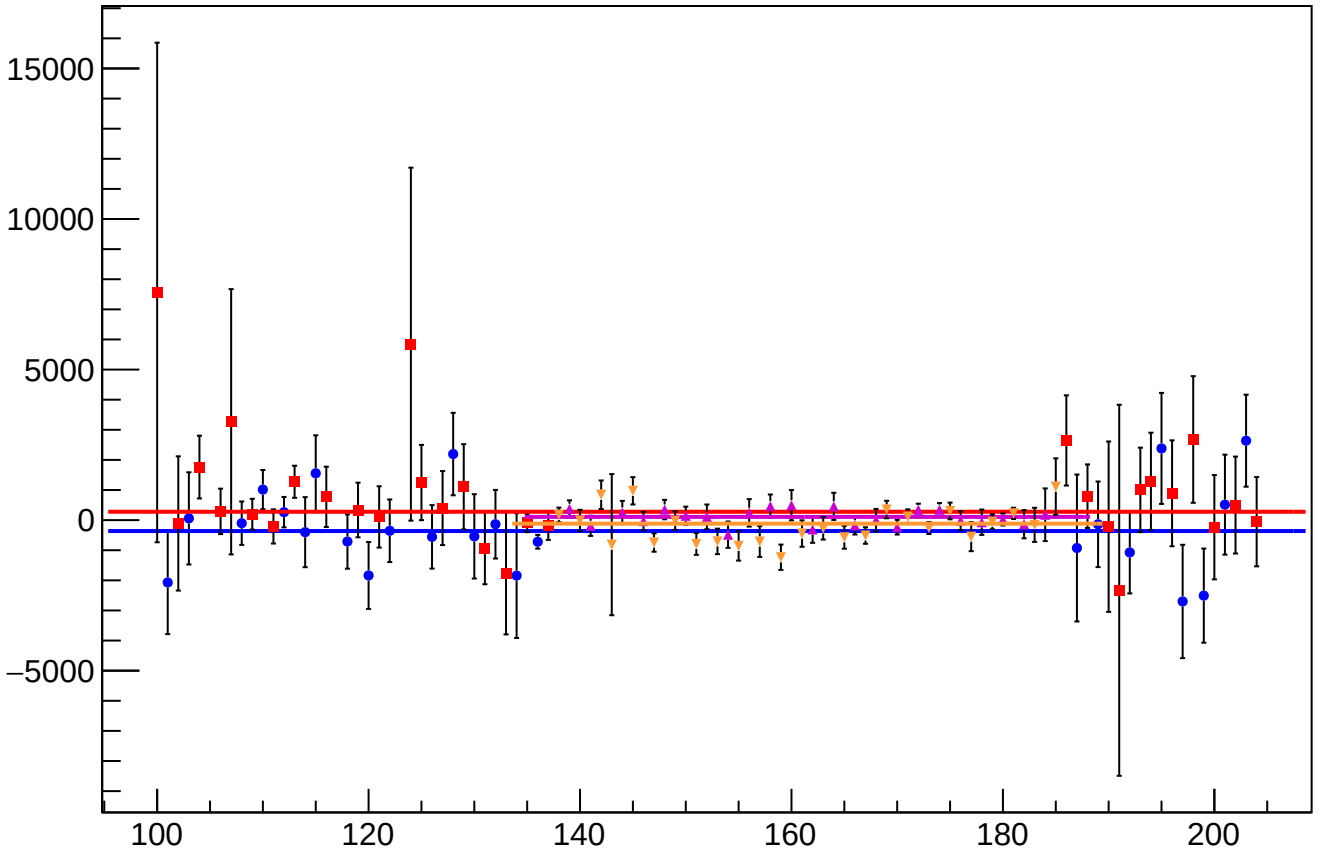
Left: 1251.017+/-0.144 χ^2/NDF: 243988.6/47

Right: 1286.830+/-0.173 χ^2/NDF: 1012630.8/53

In: 1260.322+/-0.159 χ^2/NDF:571014.1/46

Out: 1270.794+/-0.154 χ^2/NDF:708709.0/54

All: 1265.741+/-0.111 χ^2/NDF: 1281957.5/10



Right In: -362.465+/-161.552 χ^2/NDF: 28.1/23

Left Out: -117.002+/-65.060 χ^2/NDF:48.4/24

Right Out: 278.179+/-160.196 χ^2/NDF: 19.4/29

Left In: 107.459+/-67.003 χ^2/NDF:13.7/22

Left: -8.072+/-46.676 χ^2/NDF: 68.0/47

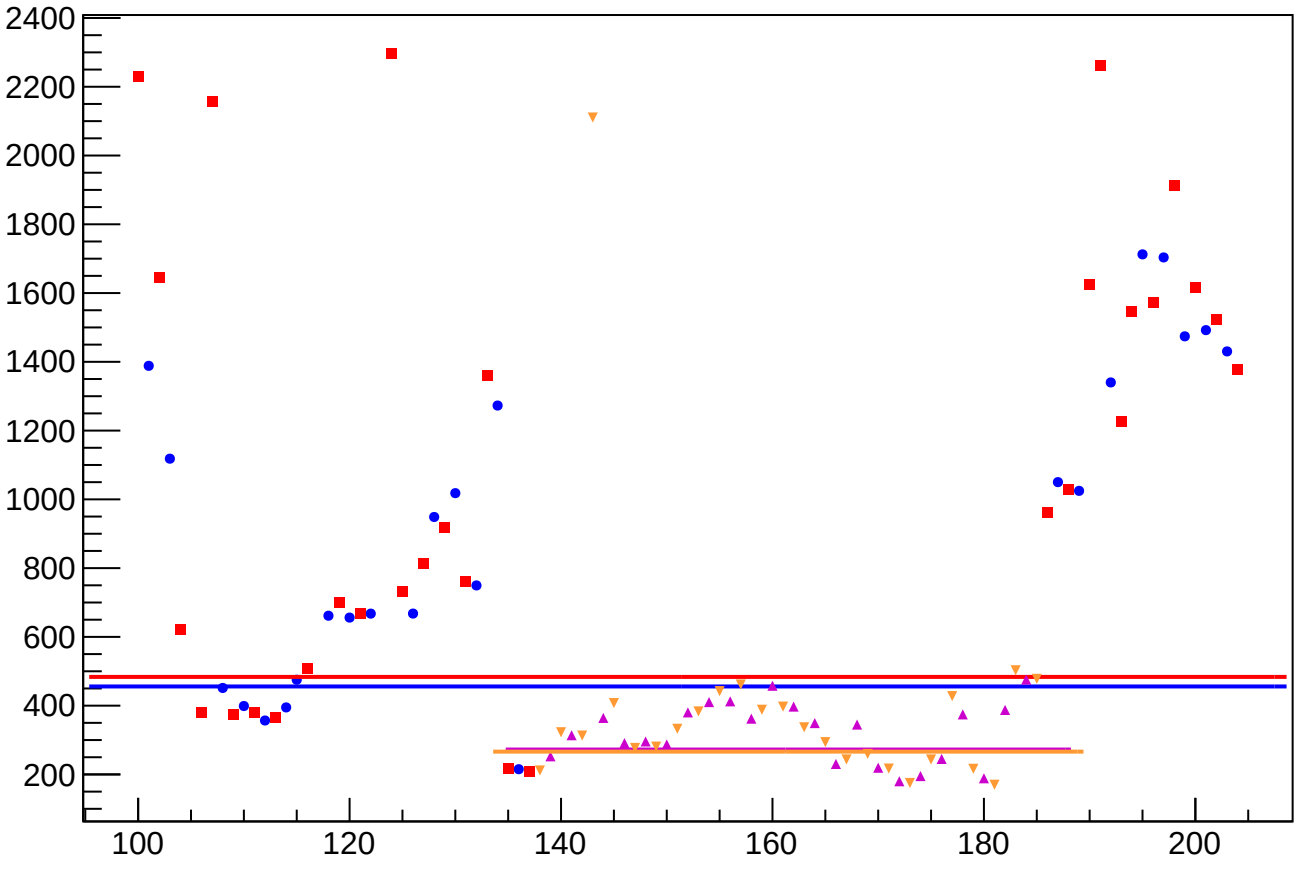
Right: -39.444+/-113.752 χ^2/NDF: 55.4/53

In: 38.490+/-61.891 χ^2/NDF:49.0/46

Out: -61.049+/-60.279 χ^2/NDF:73.1/54

All: -12.593+/-43.182 χ^2/NDF: 123.5/101

asym_atl_avg_atr_avg_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 455.844+/-0.114 χ^2/NDF: 10165734.7/23

Left Out: 266.326+/-0.046 χ^2/NDF:4630167.4/24

Right Out: 483.622+/-0.113 χ^2/NDF: 11540549.7/29

Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

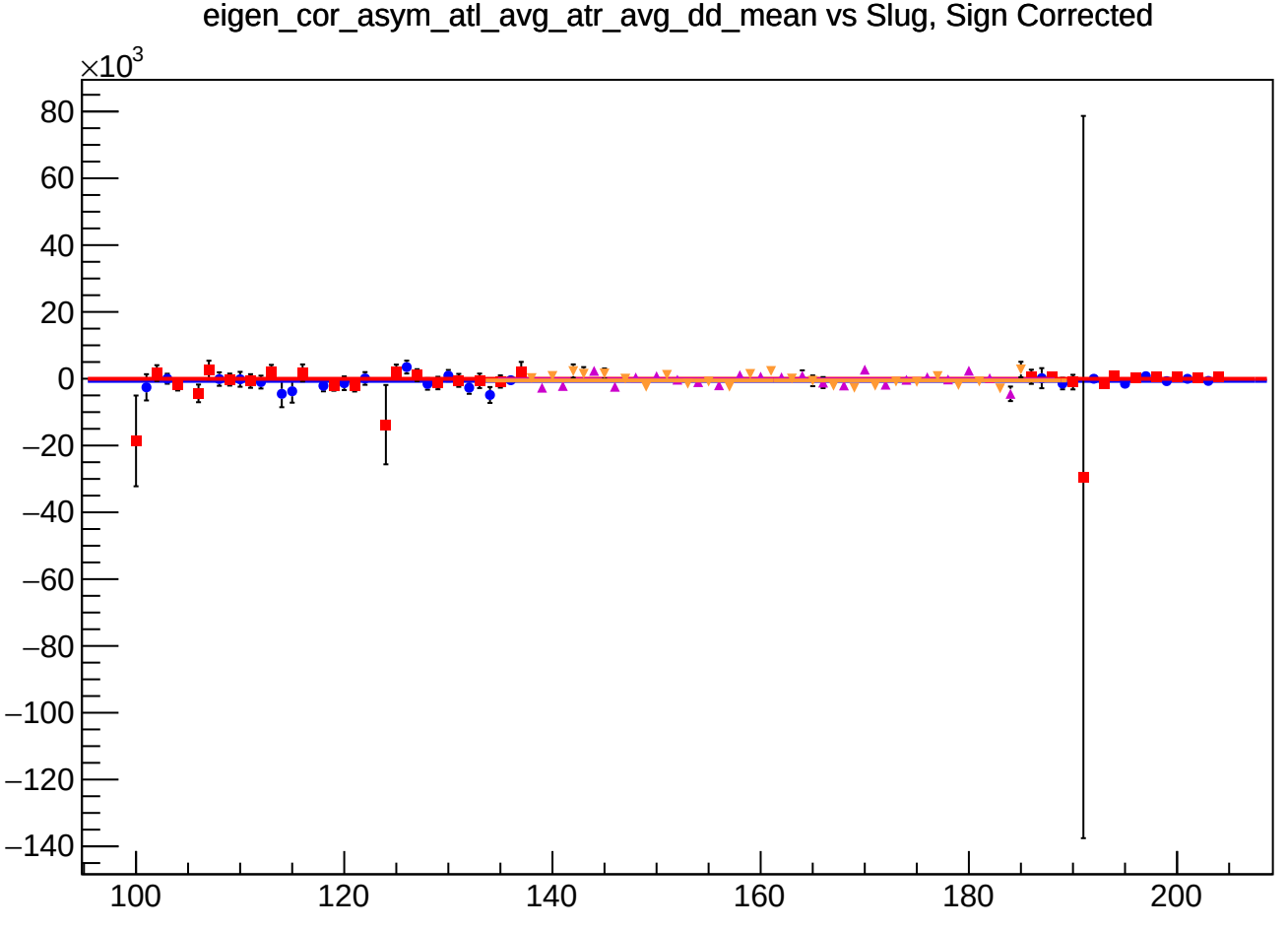
Left: 269.263+/-0.033 χ^2/NDF: 7526161.0/47

Right: 469.850+/-0.080 χ^2/NDF: 21736099.4/53

In: 299.304+/-0.044 χ^2/NDF:15254162.5/46

Out: 297.093+/-0.043 χ^2/NDF:19329537.9/54

All: 298.169+/-0.031 χ^2/NDF: 34585011.1/10



Right In: -637.671+/-355.983 χ^2/NDF: 15.6/23

Left Out: -514.430+/-285.945 χ^2/NDF:30.9/24

Right Out: -26.634+/-335.523 χ^2/NDF: 18.9/29

Left In: -242.663+/-291.166 χ^2/NDF:32.0/22

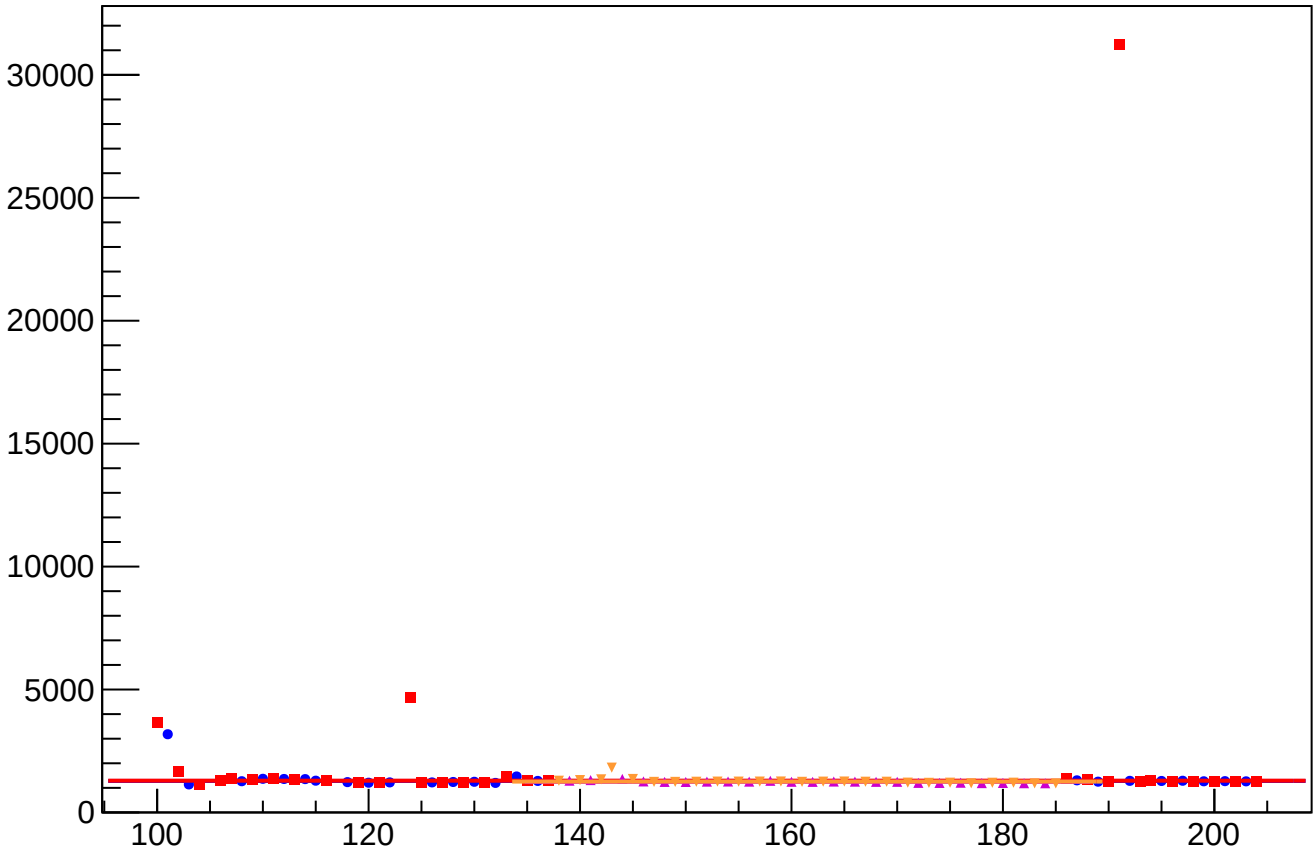
Left: -381.005+/-204.014 χ^2/NDF: 63.4/47

Right: -314.089+/-244.163 χ^2/NDF: 36.1/53

In: -400.997+/-225.379 χ^2/NDF:48.4/46

Out: -309.200+/-217.632 χ^2/NDF:51.1/54

All: -353.494+/-156.556 χ^2/NDF: 99.6/101



Right In: 1281.200+/-0.252 χ^2/NDF: 519675.2/23

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.0/24

Right Out: 1291.832+/-0.237 χ^2/NDF: 492010.9/29

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

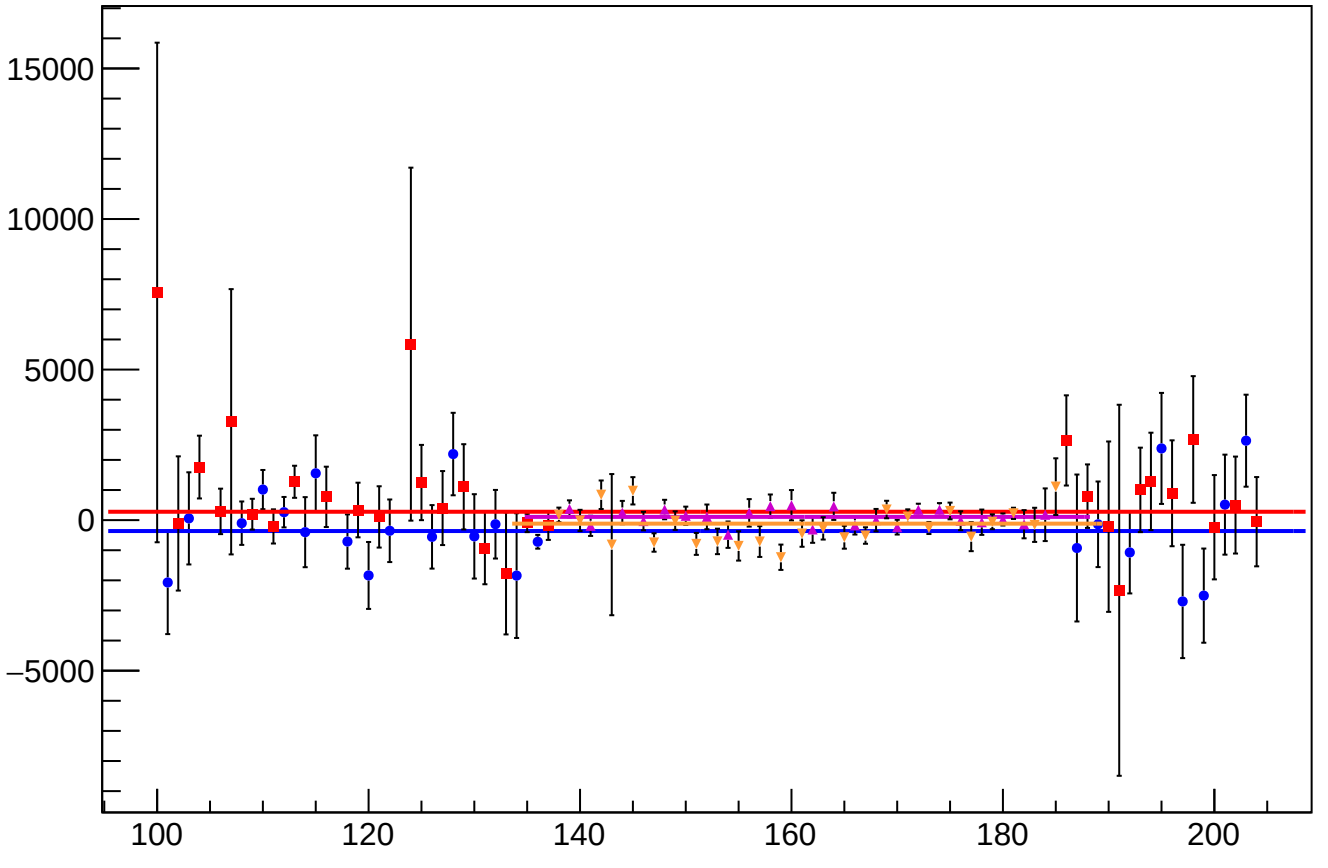
Left: 1251.017+/-0.144 χ^2/NDF: 243988.6/47

Right: 1286.830+/-0.173 χ^2/NDF: 1012630.8/53

In: 1260.322+/-0.159 χ^2/NDF:571014.1/46

Out: 1270.794+/-0.154 χ^2/NDF:708709.0/54

All: 1265.741+/-0.111 χ^2/NDF: 1281957.5/10



Right In: -362.465+/-161.552 χ^2/NDF: 28.1/23

Left Out: -117.002+/-65.060 χ^2/NDF:48.4/24

Right Out: 278.179+/-160.196 χ^2/NDF: 19.4/29

Left In: 107.459+/-67.003 χ^2/NDF:13.7/22

Left: -8.072+/-46.676 χ^2/NDF: 68.0/47

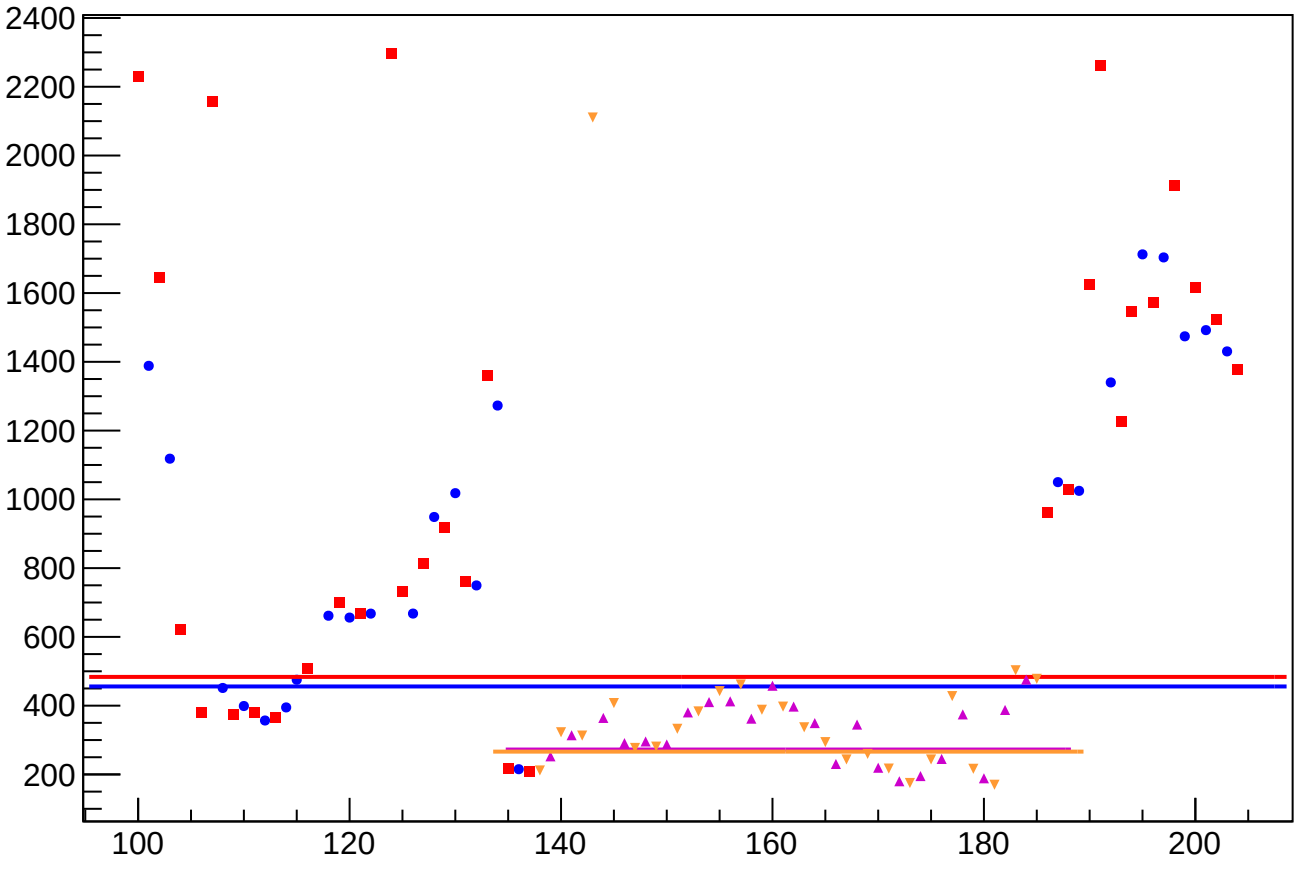
Right: -39.444+/-113.752 χ^2/NDF: 55.4/53

In: 38.490+/-61.891 χ^2/NDF:49.0/46

Out: -61.049+/-60.279 χ^2/NDF:73.1/54

All: -12.593+/-43.182 χ^2/NDF: 123.5/101

asym_atl_avg_atr_avg_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 455.844+/-0.114 χ^2/NDF: 10165734.7/23

Left Out: 266.326+/-0.046 χ^2/NDF:4630167.4/24

Right Out: 483.622+/-0.113 χ^2/NDF: 11540549.7/29

Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

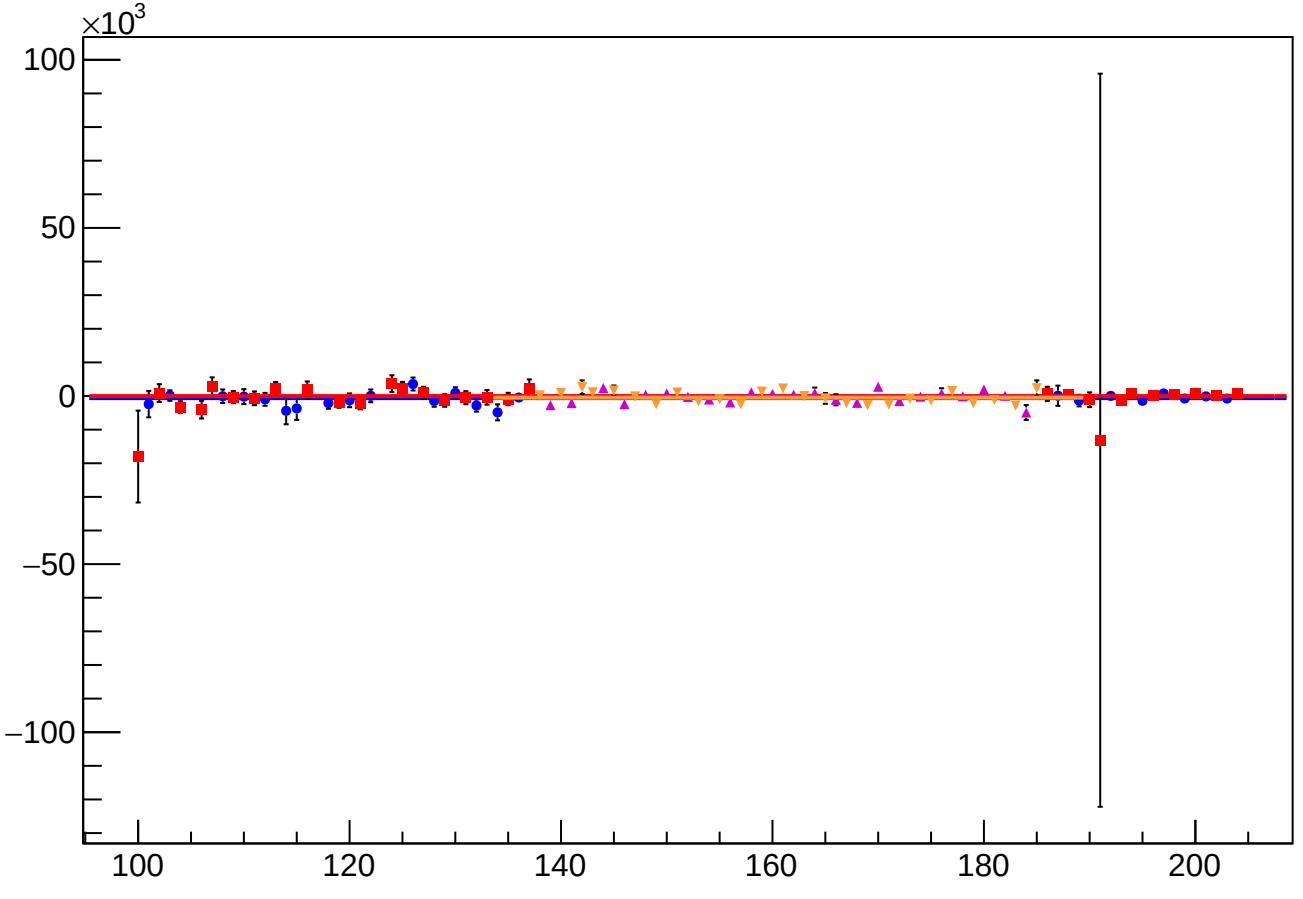
Left: 269.263+/-0.033 χ^2/NDF: 7526161.0/47

Right: 469.850+/-0.080 χ^2/NDF: 21736099.4/53

In: 299.304+/-0.044 χ^2/NDF:15254162.5/46

Out: 297.093+/-0.043 χ^2/NDF:19329537.9/54

All: 298.169+/-0.031 χ^2/NDF: 34585011.1/10



Right In: -623.243+/-357.219 χ^2/NDF: 15.7/23

Left Out: -493.436+/-282.734 χ^2/NDF:34.2/24

Right Out: -19.491+/-334.631 χ^2/NDF: 20.7/29

Left In: -242.004+/-294.339 χ^2/NDF:30.7/22

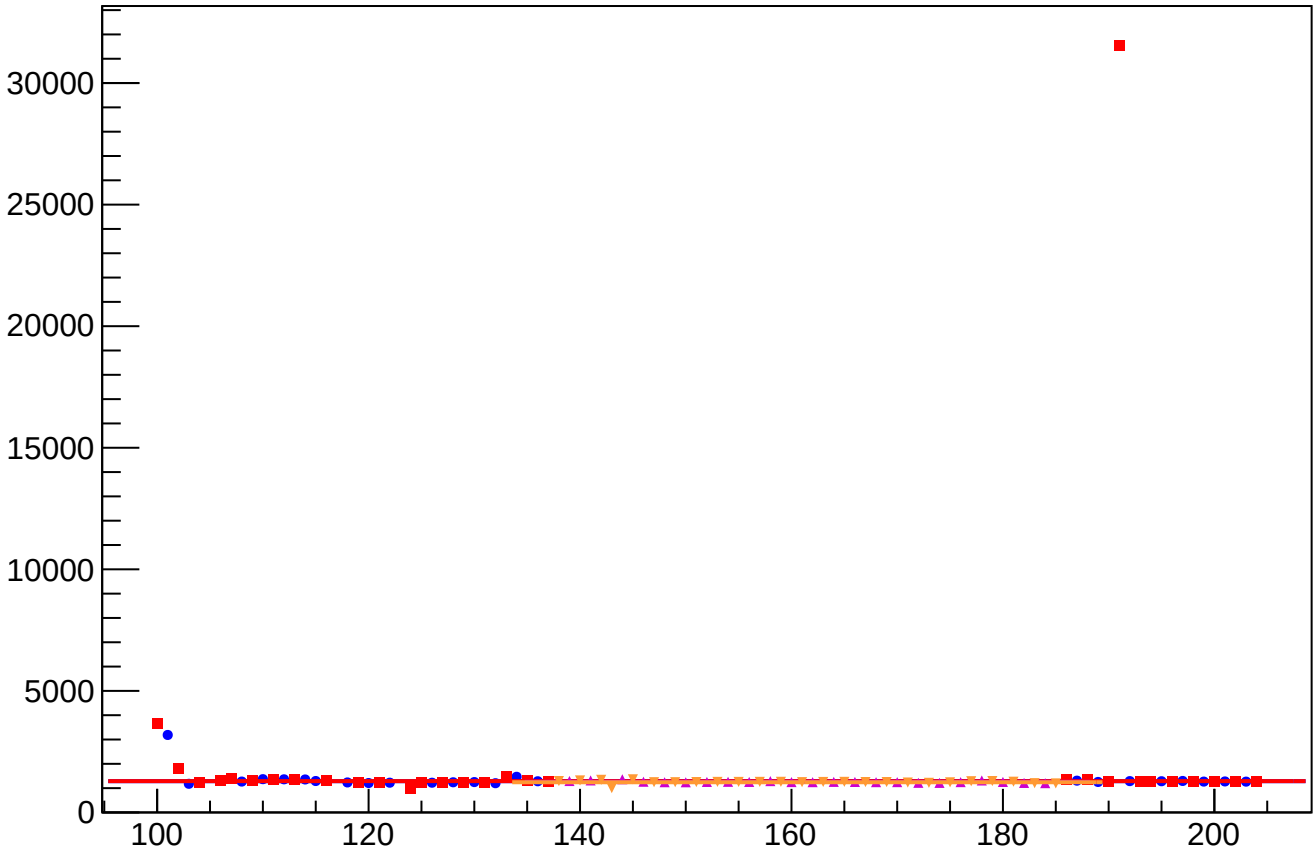
Left: -372.774+/-203.903 χ^2/NDF: 65.3/47

Right: -301.676+/-244.215 χ^2/NDF: 37.9/53

In: -396.171+/-227.160 χ^2/NDF:47.0/46

Out: -296.025+/-215.967 χ^2/NDF:56.1/54

All: -343.570+/-156.519 χ^2/NDF: 103.2/101



Right In: 1285.782+/-0.253 χ^2/NDF: 511383.7/23

Left Out: 1242.539+/-0.200 χ^2/NDF:130023.1/24

Right Out: 1288.644+/-0.237 χ^2/NDF: 373602.5/29

Left In: 1260.094+/-0.208 χ^2/NDF:27932.1/22

Left: 1250.964+/-0.144 χ^2/NDF: 161655.2/47

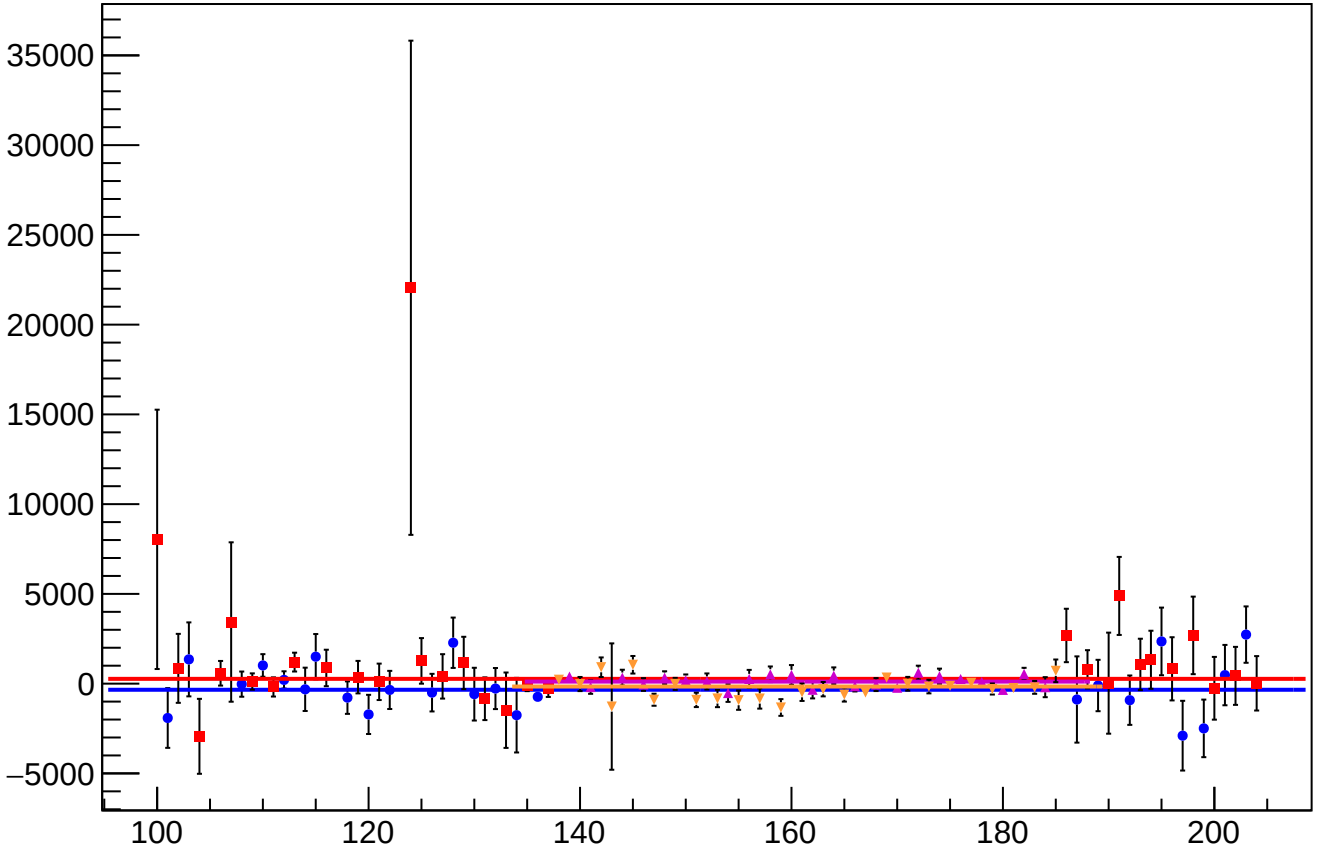
Right: 1287.307+/-0.173 χ^2/NDF: 885054.6/53

In: 1270.482+/-0.161 χ^2/NDF:545476.2/46

Out: 1261.743+/-0.153 χ^2/NDF:525777.8/54

All: 1265.892+/-0.111 χ^2/NDF: 1072808.5/10

asym_atl_avg_atr_avg_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: -340.944+/-163.302 χ^2/NDF: 28.3/23

Left Out: -160.930+/-64.133 χ^2/NDF:43.8/24

Right Out: 267.014+/-160.204 χ^2/NDF: 25.9/29

Left In: 113.722+/-68.841 χ^2/NDF:18.2/22

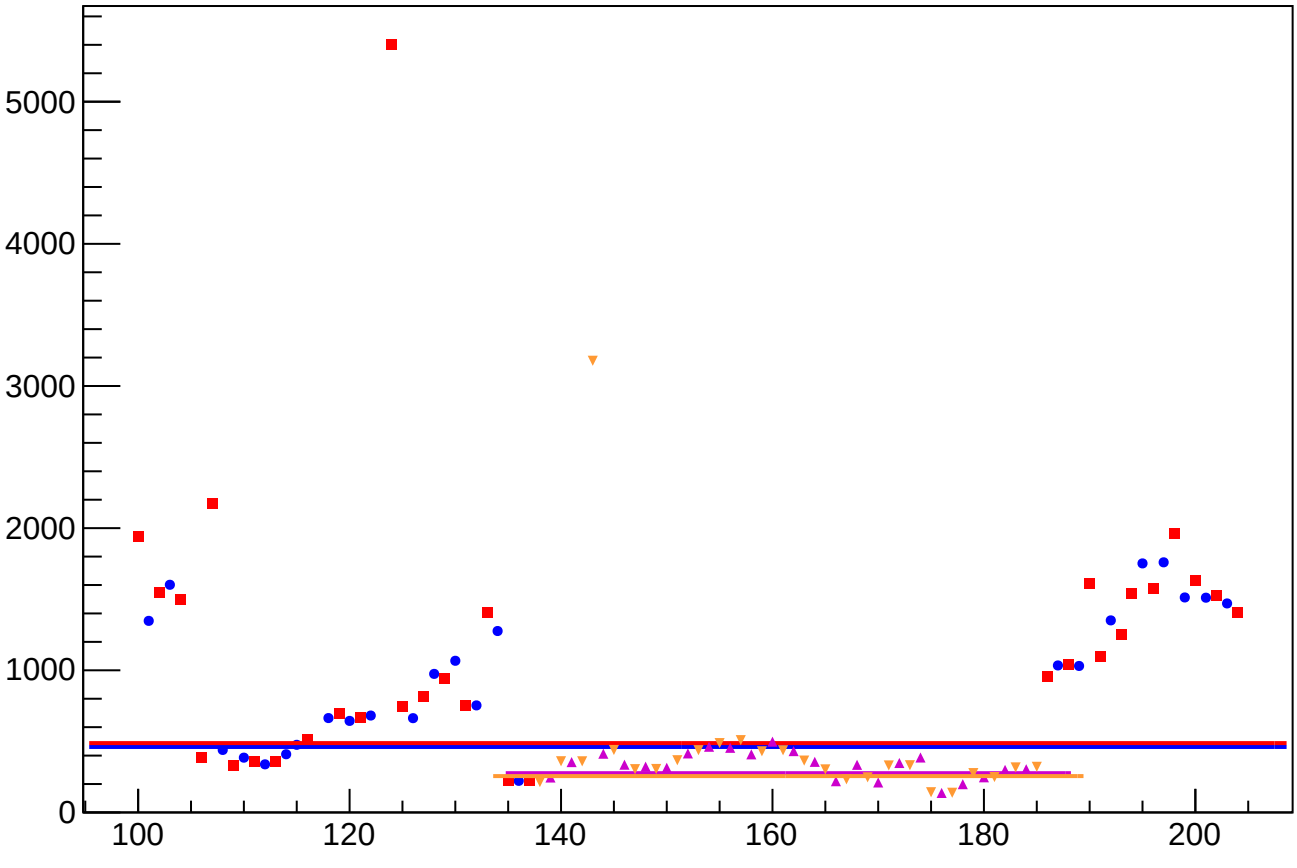
Left: -33.316+/-46.925 χ^2/NDF: 70.5/47

Right: -31.143+/-114.361 χ^2/NDF: 61.3/53

In: 45.116+/-63.435 χ^2/NDF:53.1/46

Out: -101.821+/-59.539 χ^2/NDF:75.8/54

All: -33.003+/-43.412 χ^2/NDF: 131.8/101



Right In: 460.680+/-0.115 χ^2/NDF: 10323506.0/23

Left Out: 255.768+/-0.045 χ^2/NDF:6373929.4/24

Right Out: 487.908+/-0.113 χ^2/NDF: 12055652.5/29

Left In: 276.298+/-0.049 χ^2/NDF:4027410.5/22

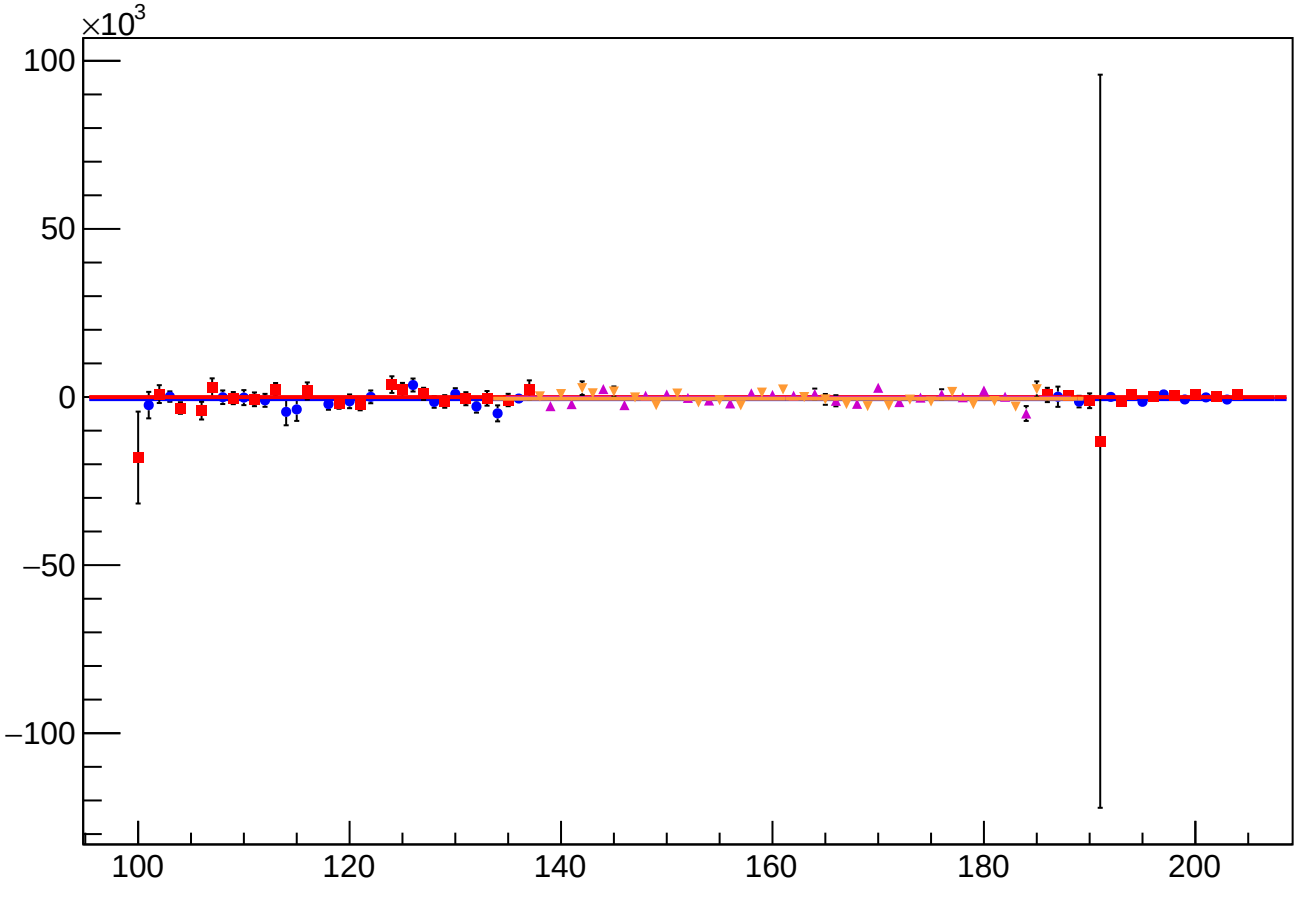
Left: 265.307+/-0.033 χ^2/NDF: 10496569.7/47

Right: 474.555+/-0.081 χ^2/NDF: 22407492.4/53

In: 304.120+/-0.045 χ^2/NDF:16515844.9/46

Out: 287.832+/-0.042 χ^2/NDF:22048946.5/54

All: 295.460+/-0.031 χ^2/NDF: 38634898.8/10



Right In: -623.245+/-357.219 χ^2/NDF: 15.7/23

Left Out: -493.435+/-282.734 χ^2/NDF:34.2/24

Right Out: -19.490+/-334.631 χ^2/NDF: 20.7/29

Left In: -242.004+/-294.339 χ^2/NDF:30.7/22

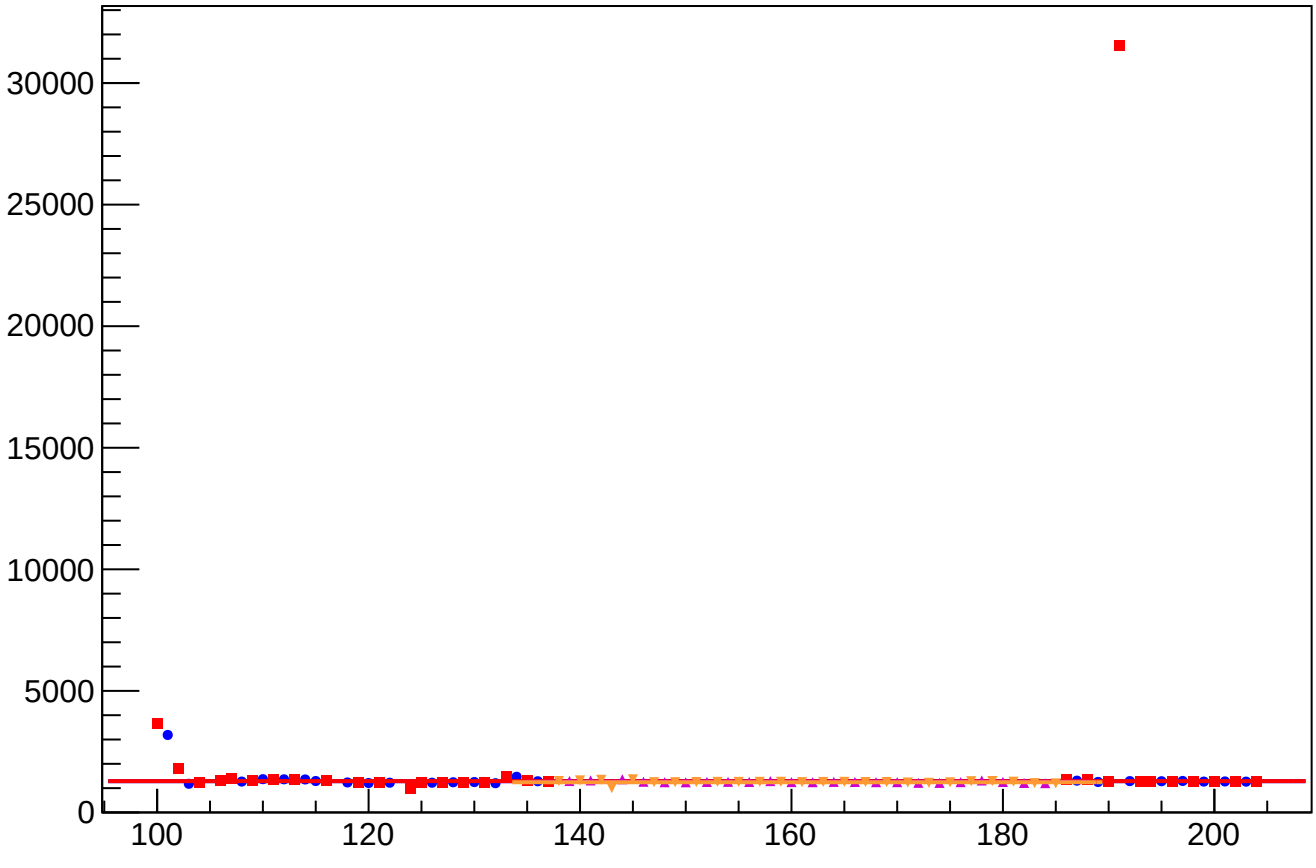
Left: -372.774+/-203.903 χ^2/NDF: 65.3/47

Right: -301.677+/-244.215 χ^2/NDF: 37.9/53

In: -396.172+/-227.160 χ^2/NDF:47.0/46

Out: -296.024+/-215.967 χ^2/NDF:56.1/54

All: -343.570+/-156.519 χ^2/NDF: 103.2/101



Right In: 1285.782+/-0.253 χ^2/NDF: 511383.7/23

Left Out: 1242.539+/-0.200 χ^2/NDF:130022.2/24

Right Out: 1288.644+/-0.237 χ^2/NDF: 373602.8/29

Left In: 1260.094+/-0.208 χ^2/NDF:27932.2/22

Left: 1250.964+/-0.144 χ^2/NDF: 161654.3/47

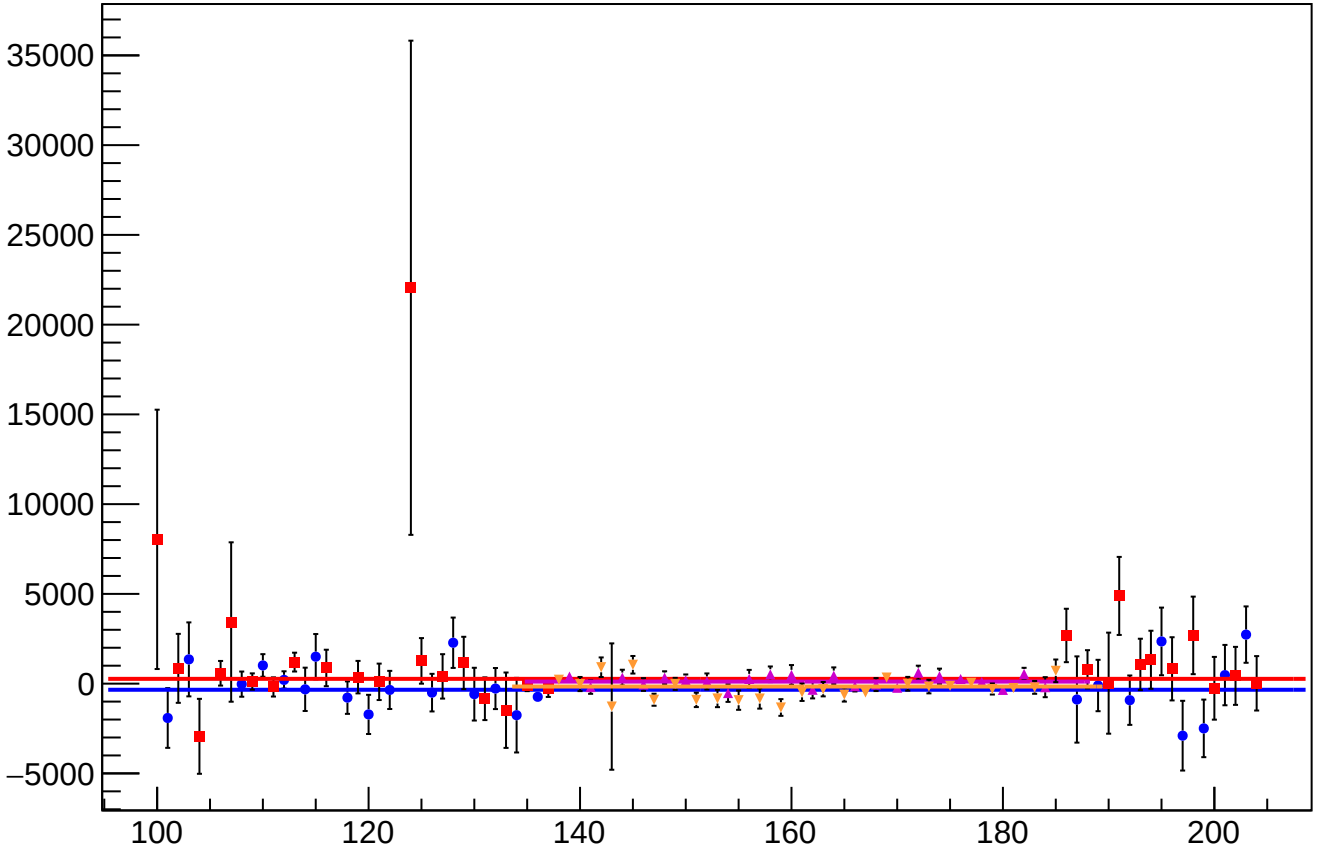
Right: 1287.307+/-0.173 χ^2/NDF: 885054.8/53

In: 1270.482+/-0.161 χ^2/NDF:545476.3/46

Out: 1261.743+/-0.153 χ^2/NDF:525777.2/54

All: 1265.892+/-0.111 χ^2/NDF: 1072807.9/10

asym_atl_avg_atr_avg_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -340.944+/-163.305 χ^2/NDF: 28.3/23

Left Out: -160.933+/-64.133 χ^2/NDF:43.8/24

Right Out: 267.022+/-160.206 χ^2/NDF: 25.9/29

Left In: 113.720+/-68.841 χ^2/NDF:18.2/22

Left: -33.318+/-46.925 χ^2/NDF: 70.5/47

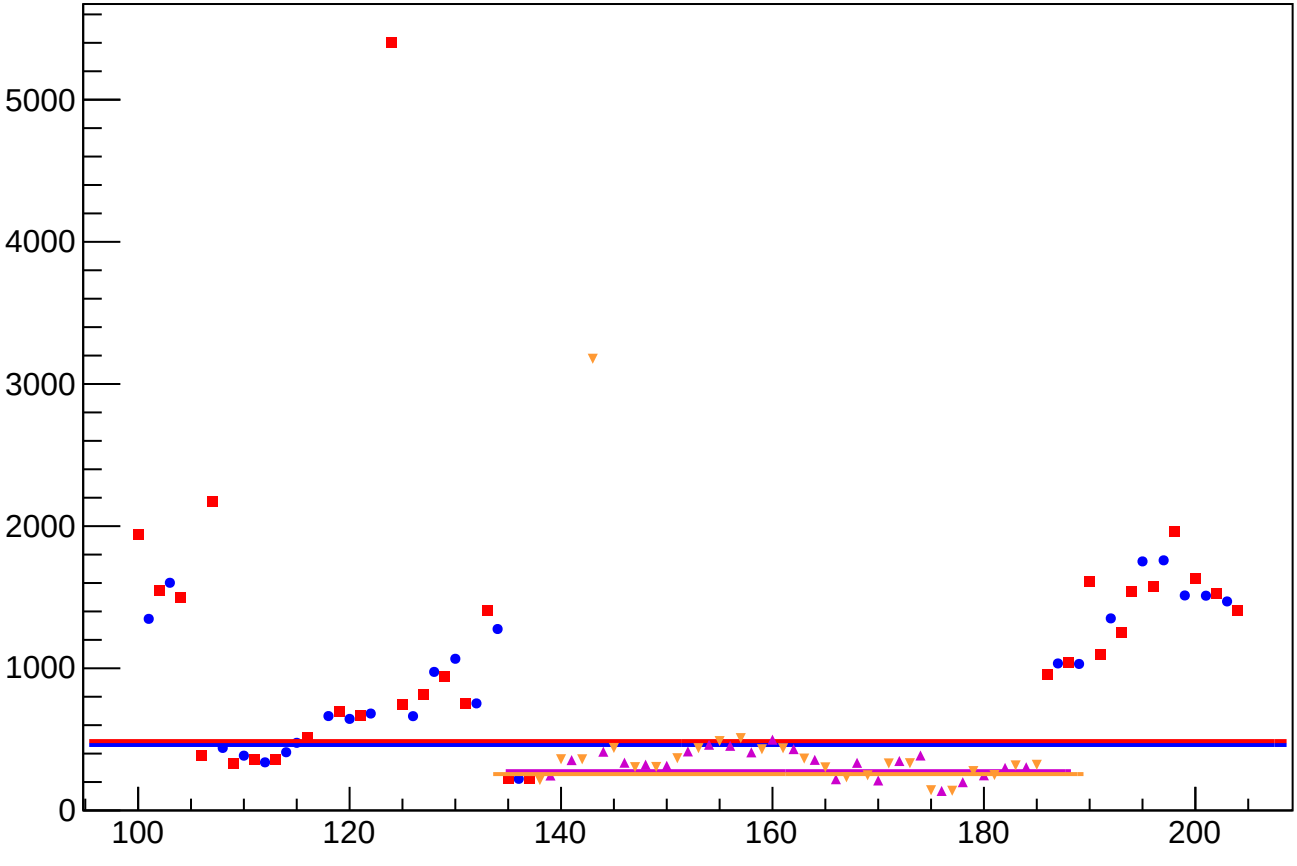
Right: -31.137+/-114.362 χ^2/NDF: 61.3/53

In: 45.116+/-63.435 χ^2/NDF:53.1/46

Out: -101.824+/-59.539 χ^2/NDF:75.8/54

All: -33.004+/-43.413 χ^2/NDF: 131.8/101

asym_atl_avg_atr_avg_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 460.692+/-0.115 χ^2/NDF: 10323205.6/23

Left Out: 255.770+/-0.045 χ^2/NDF:6373829.7/24

Right Out: 487.918+/-0.113 χ^2/NDF: 12055388.0/29

Left In: 276.299+/-0.049 χ^2/NDF:4027371.0/22

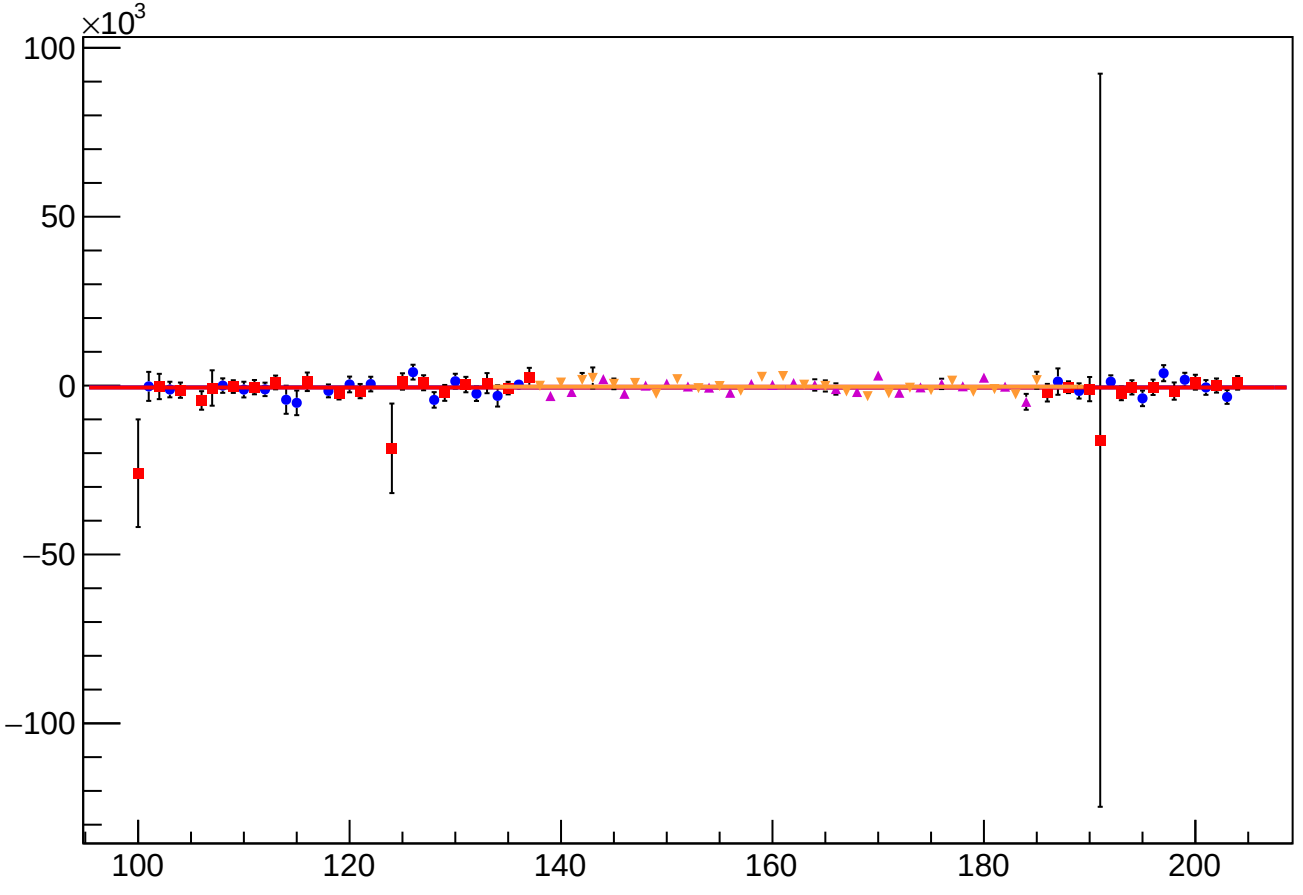
Left: 265.308+/-0.033 χ^2/NDF: 10496422.7/47

Right: 474.566+/-0.081 χ^2/NDF: 22406922.0/53

In: 304.122+/-0.045 χ^2/NDF:16515709.5/46

Out: 287.834+/-0.042 χ^2/NDF:22048757.6/54

All: 295.462+/-0.031 χ^2/NDF: 38634569.8/10



Right In: -527.023+/-459.810 χ^2/NDF: 21.9/23

Left Out: -319.744+/-298.271 χ^2/NDF:31.6/24

Right Out: -567.706+/-440.175 χ^2/NDF: 13.7/29

Left In: -356.387+/-301.902 χ^2/NDF:29.7/22

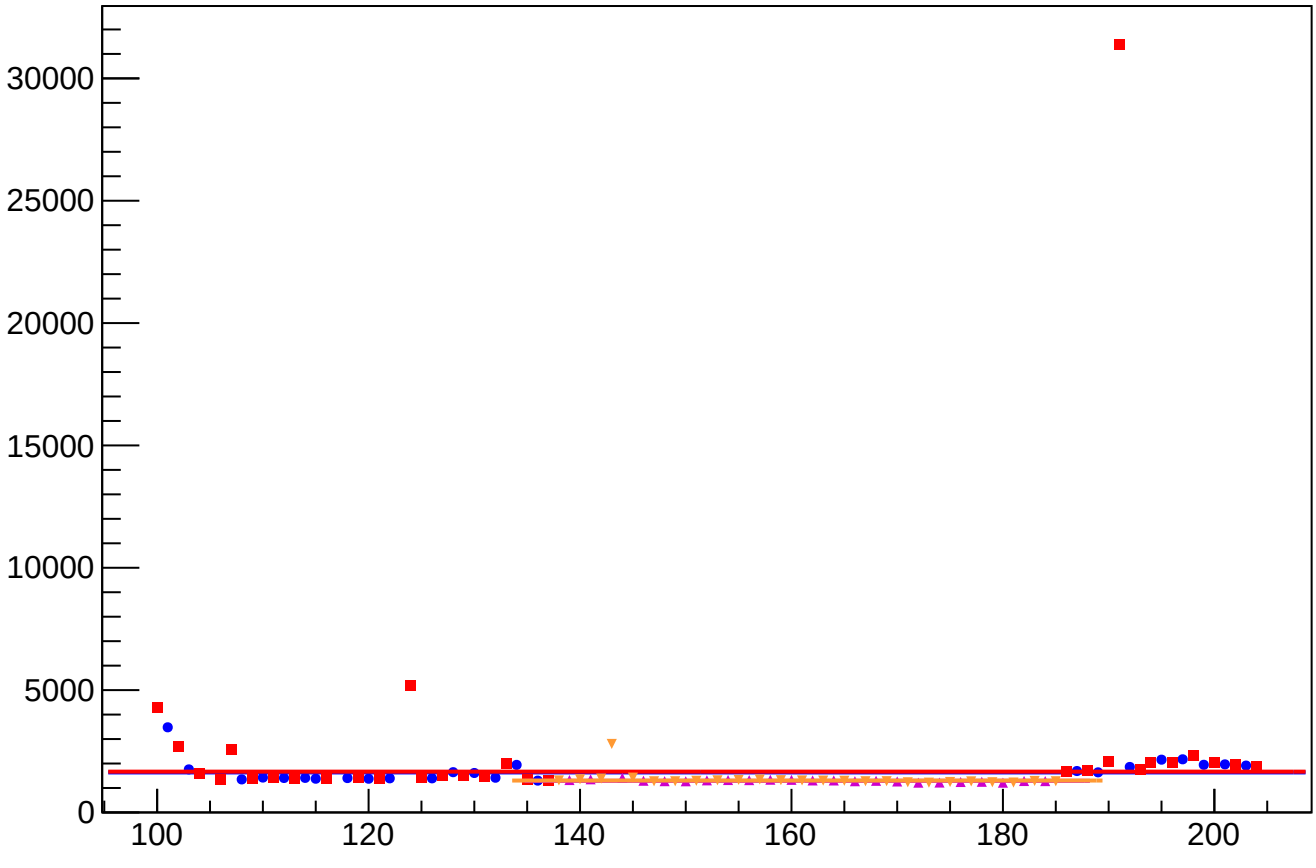
Left: -337.843+/-212.182 χ^2/NDF: 61.2/47

Right: -548.252+/-317.966 χ^2/NDF: 35.6/53

In: -407.789+/-252.367 χ^2/NDF:51.7/46

Out: -397.772+/-246.921 χ^2/NDF:45.4/54

All: -402.671+/-176.493 χ^2/NDF: 97.2/101



Right In: 1635.018+/-0.325 χ^2/NDF: 1086900.4/23

Left Out: 1304.156+/-0.211 χ^2/NDF:519609.1/24

Right Out: 1668.176+/-0.311 χ^2/NDF: 1370915.7/29

Left In: 1292.123+/-0.213 χ^2/NDF:48343.1/22

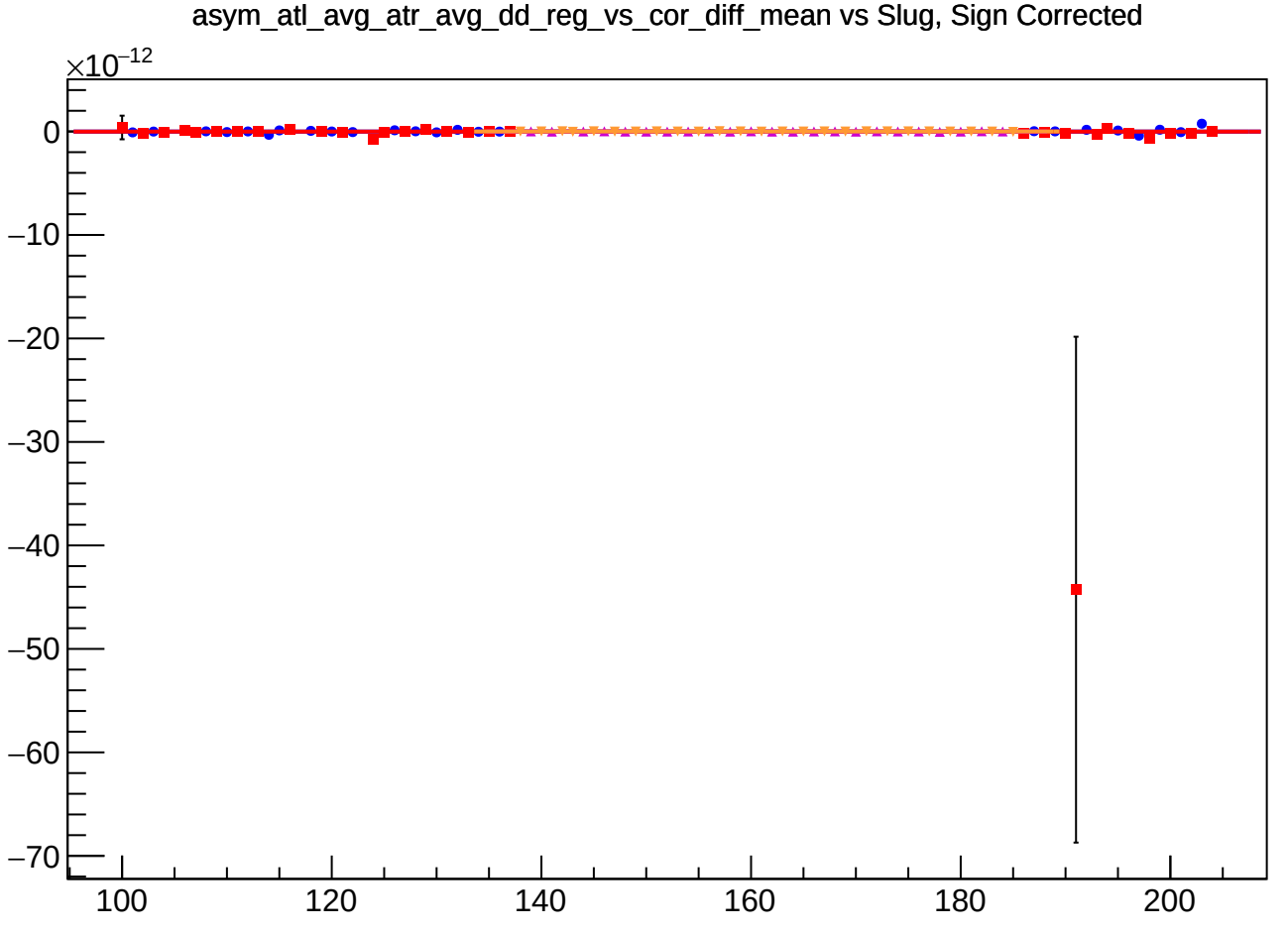
Left: 1298.212+/-0.150 χ^2/NDF: 569560.1/47

Right: 1652.320+/-0.225 χ^2/NDF: 2463242.9/53

In: 1395.416+/-0.178 χ^2/NDF:1912433.7/46

Out: 1418.705+/-0.175 χ^2/NDF:2827925.0/54

All: 1407.314+/-0.125 χ^2/NDF: 4749061.0/10



Right In: -0.000+/-0.000 χ^2/NDF: 28.1/23

Left Out: 0.000+/-0.000 χ^2/NDF:24.3/24

Right Out: -0.000+/-0.000 χ^2/NDF: 36.7/29

Left In: -0.000+/-0.000 χ^2/NDF:29.6/22

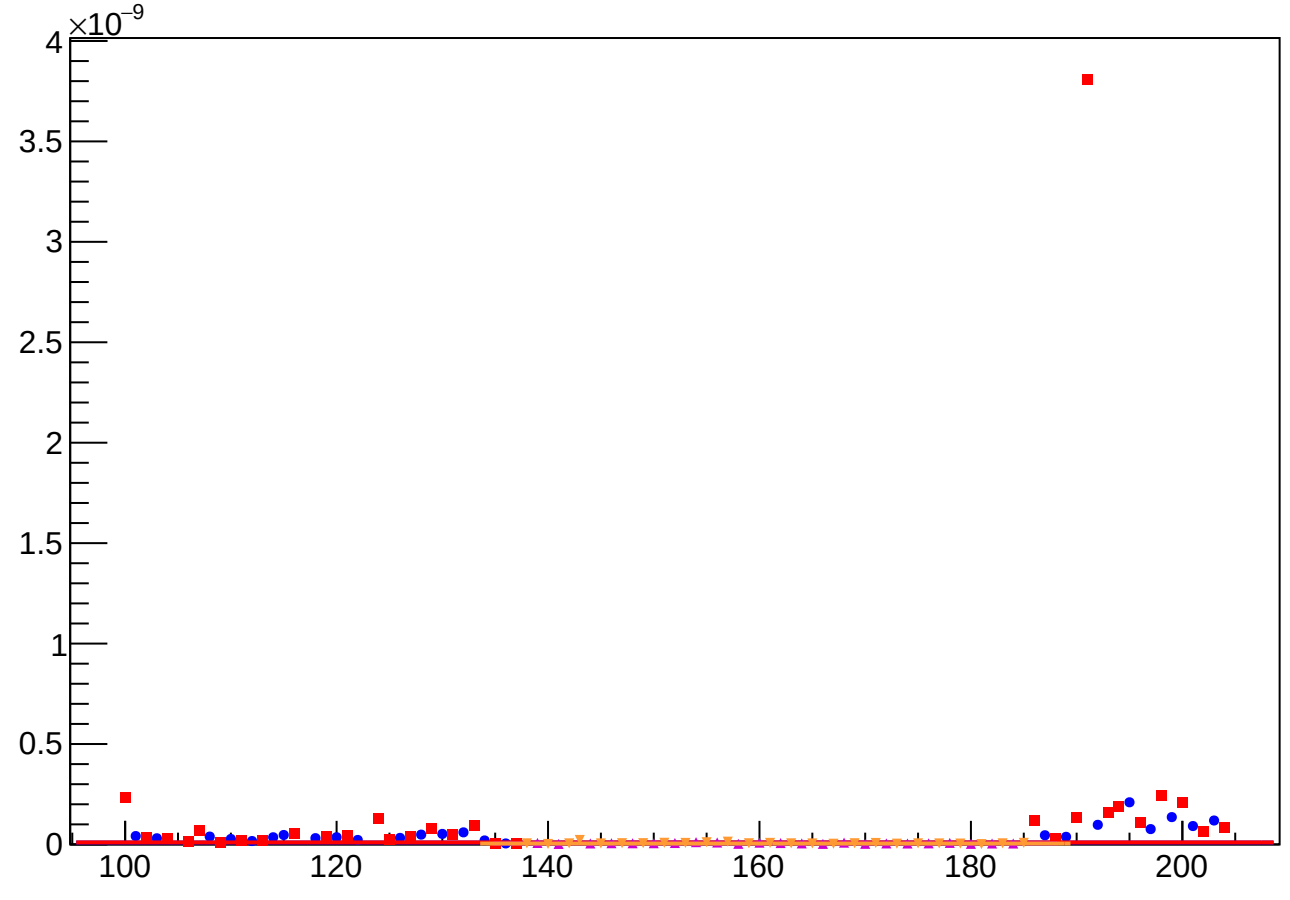
Left: -0.000+/-0.000 χ^2/NDF: 54.2/47

Right: -0.000+/-0.000 χ^2/NDF: 64.8/53

In: -0.000+/-0.000 χ^2/NDF:59.6/46

Out: -0.000+/-0.000 χ^2/NDF:64.0/54

All: -0.000+/-0.000 χ^2/NDF: 123.9/101



Right In: 0.000+/-0.000 χ^2/NDF: 6272089.5/23

Left Out: 0.000+/-0.000 χ^2/NDF:2715297.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8599509.4/29

Left In: 0.000+/-0.000 χ^2/NDF:1884808.0/22

Left: 0.000+/-0.000 χ^2/NDF: 4620695.3/47

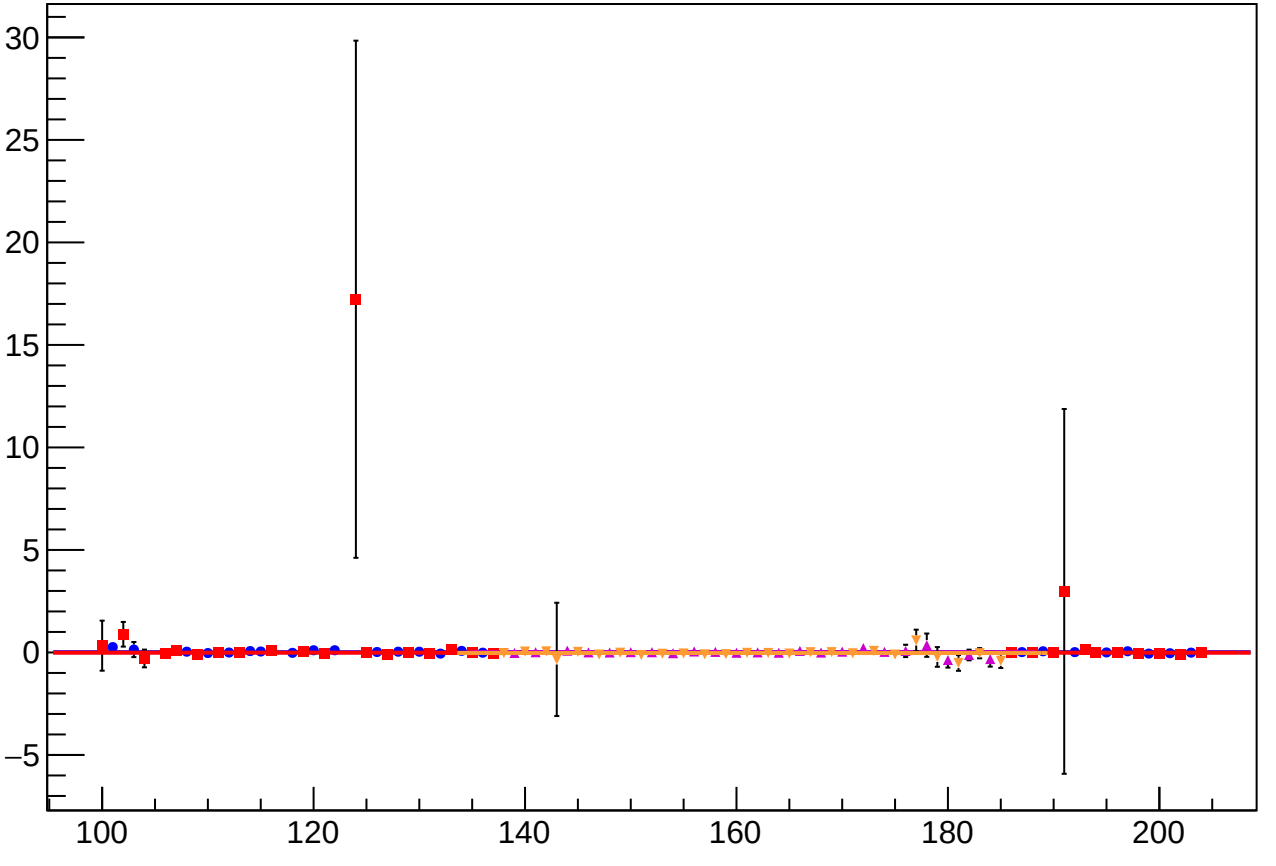
Right: 0.000+/-0.000 χ^2/NDF: 14881316.7/53

In: 0.000+/-0.000 χ^2/NDF:8872303.6/46

Out: 0.000+/-0.000 χ^2/NDF:12263921.7/54

All: 0.000+/-0.000 χ^2/NDF: 21161261.0/101

asym_atl_avg_atr_avg_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.012+/-0.013 χ^2/NDF: 13.8/23

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: -0.011+/-0.012 χ^2/NDF: 22.4/29

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

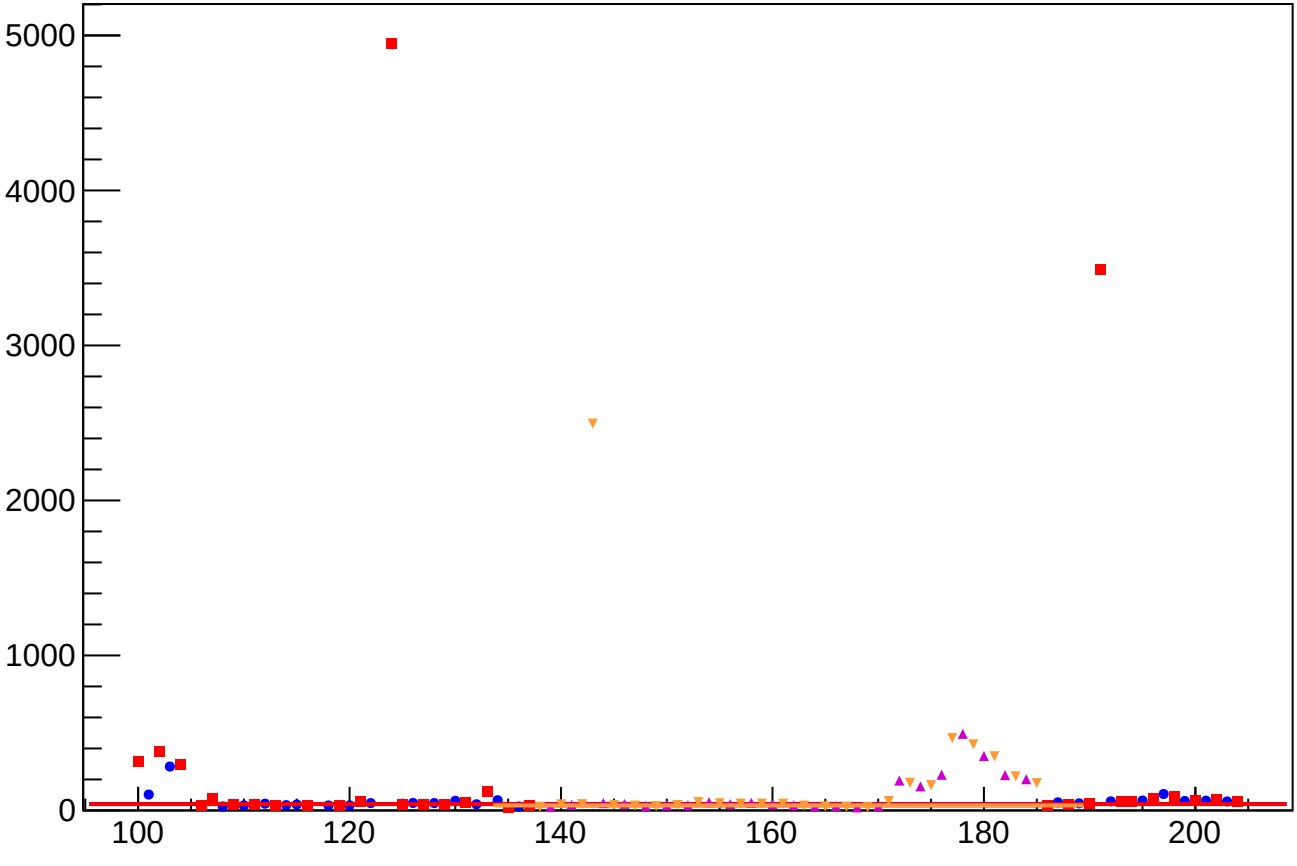
Right: -0.000+/-0.009 χ^2/NDF: 37.7/53

In: 0.011+/-0.008 χ^2/NDF:26.9/46

Out: -0.022+/-0.008 χ^2/NDF:51.7/54

All: -0.006+/-0.005 χ^2/NDF: 87.9/101

asym_atl_avg_atr_avg_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.940+/-0.009 χ^2/NDF: 3949382.4/23

Left Out: 32.551+/-0.007 χ^2/NDF:10871758.1/24

Right Out: 40.897+/-0.009 χ^2/NDF: 5377640.1/29

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

Left: 32.645+/-0.005 χ^2/NDF: 19835386.0/47

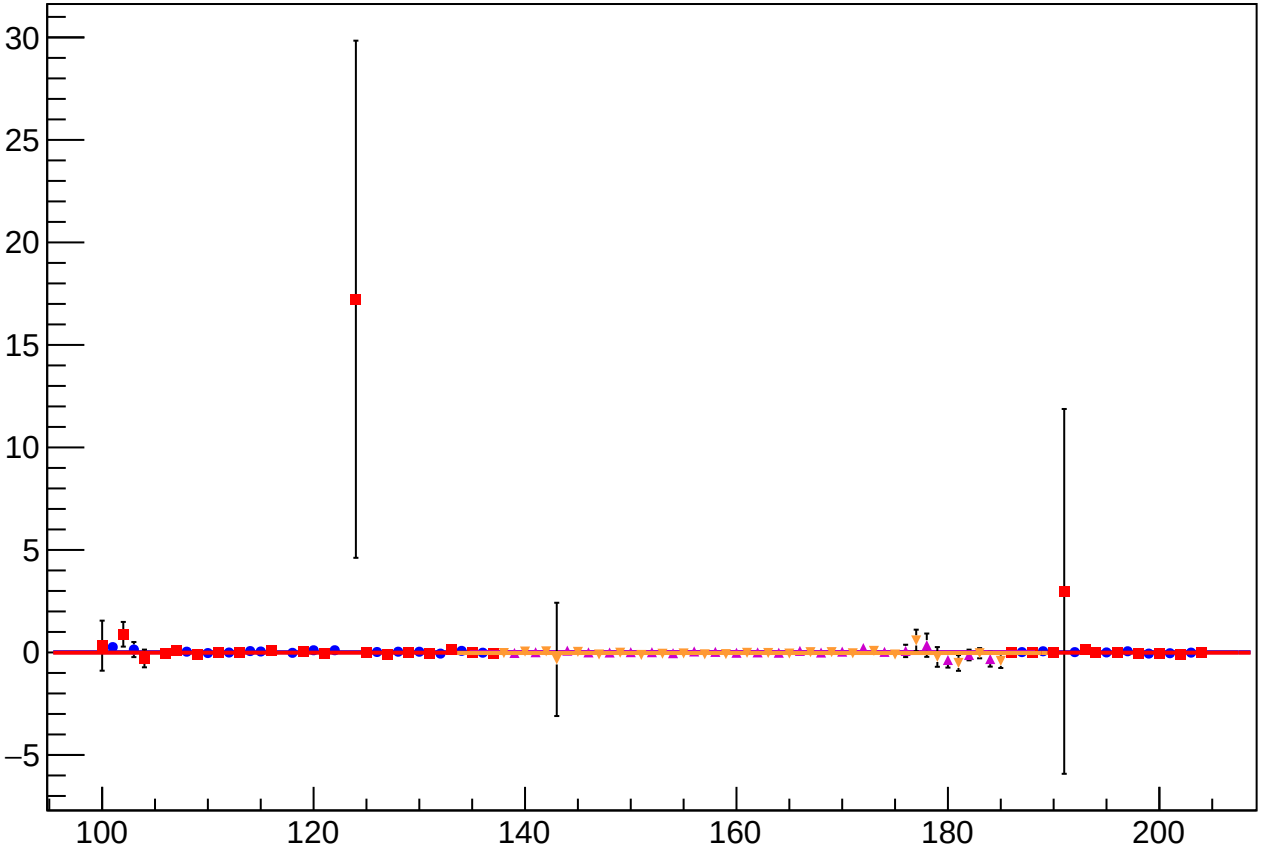
Right: 41.379+/-0.006 χ^2/NDF: 9333569.5/53

In: 35.826+/-0.005 χ^2/NDF:13542325.6/46

Out: 35.644+/-0.005 χ^2/NDF:16819595.4/54

All: 35.733+/-0.004 χ^2/NDF: 30362485.1/101

asym_atl_avg_atr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.012+/-0.013 χ^2/NDF: 13.8/23

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: -0.011+/-0.012 χ^2/NDF: 22.4/29

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

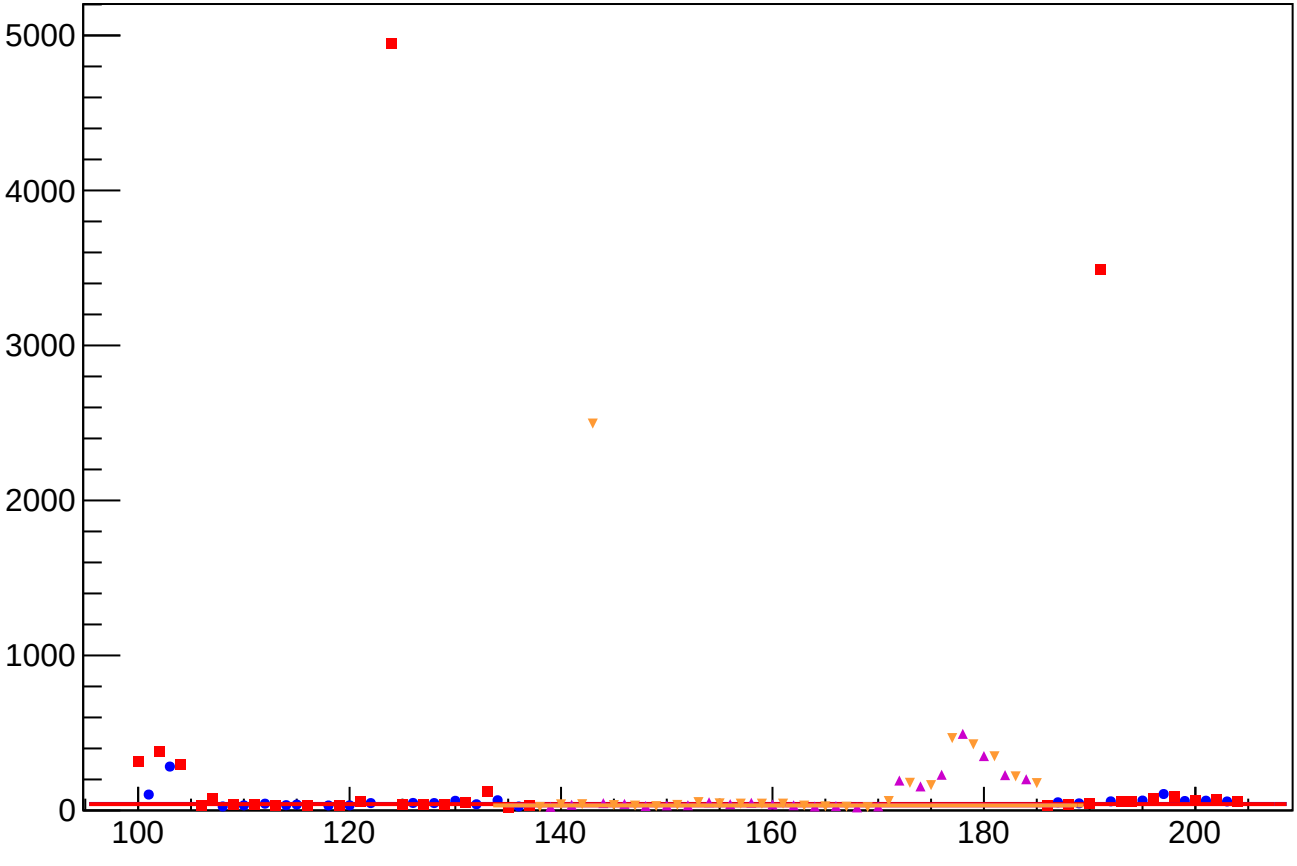
Right: -0.000+/-0.009 χ^2/NDF: 37.7/53

In: 0.011+/-0.008 χ^2/NDF:26.9/46

Out: -0.022+/-0.008 χ^2/NDF:51.7/54

All: -0.006+/-0.005 χ^2/NDF: 87.9/101

asym_atl_avg_atr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.940+/-0.009 χ^2/NDF: 3949382.4/23

Left Out: 32.551+/-0.007 χ^2/NDF:10871758.1/24

Right Out: 40.897+/-0.009 χ^2/NDF: 5377640.1/29

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

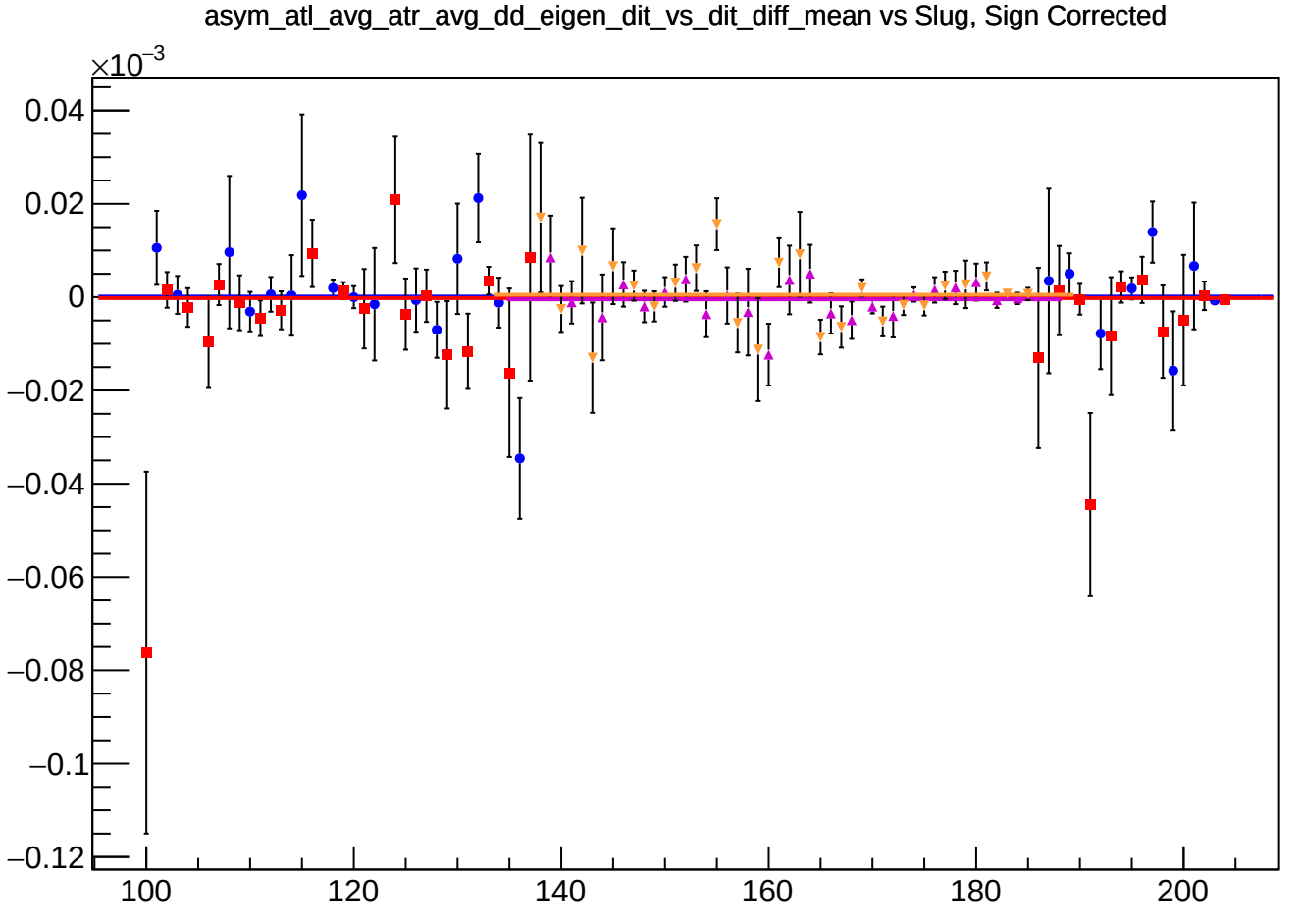
Left: 32.645+/-0.005 χ^2/NDF: 19835386.0/47

Right: 41.379+/-0.006 χ^2/NDF: 9333569.5/53

In: 35.826+/-0.005 χ^2/NDF:13542325.6/46

Out: 35.644+/-0.005 χ^2/NDF:16819595.4/54

All: 35.733+/-0.004 χ^2/NDF: 30362485.1/101



Right In: 0.000+/-0.000 χ^2/NDF: 29.5/23

Left Out: 0.000+/-0.000 χ^2/NDF:35.7/24

Right Out: -0.000+/-0.000 χ^2/NDF: 26.1/29

Left In: -0.000+/-0.000 χ^2/NDF:13.7/22

Left: 0.000+/-0.000 χ^2/NDF: 50.9/47

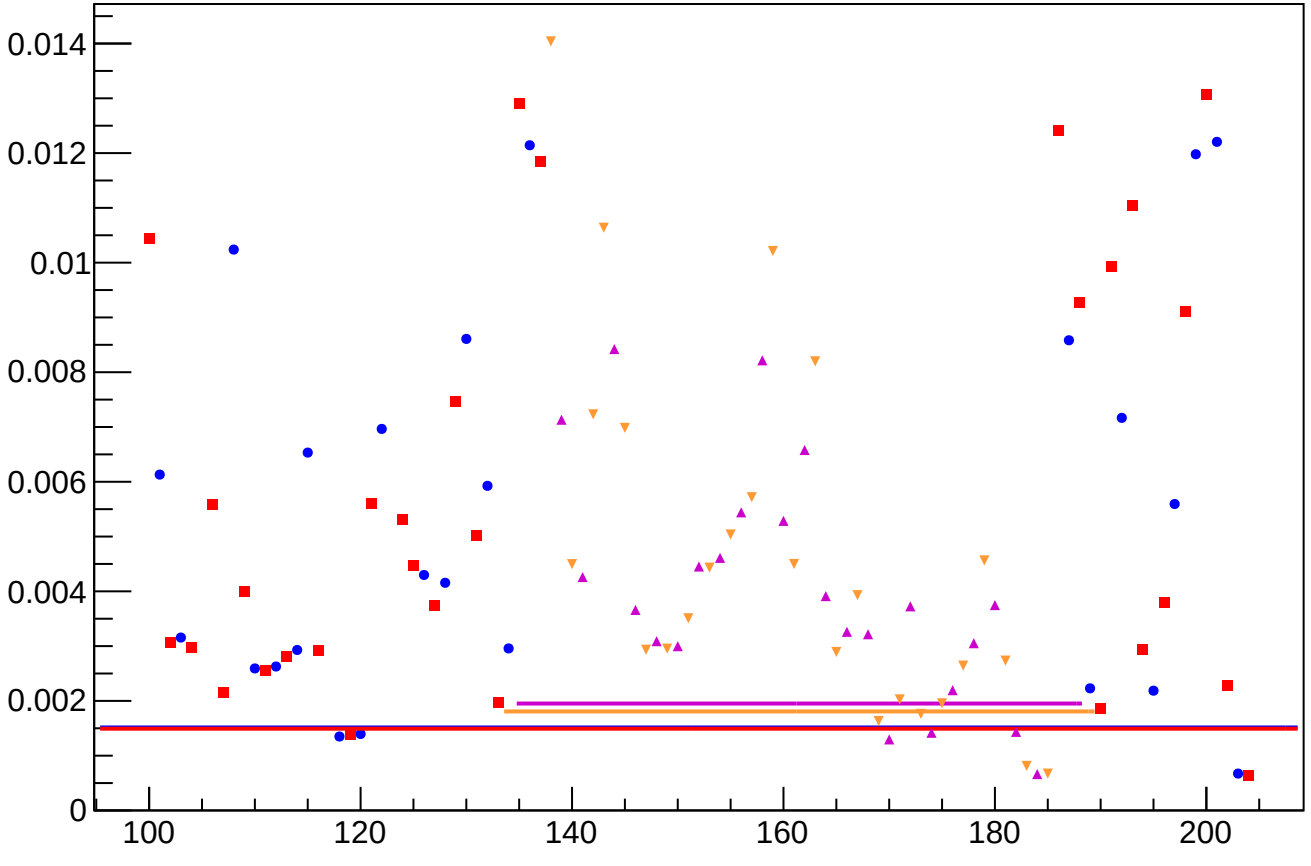
Right: -0.000+/-0.000 χ^2/NDF: 55.8/53

In: -0.000+/-0.000 χ^2/NDF:43.7/46

Out: 0.000+/-0.000 χ^2/NDF:62.6/54

All: 0.000+/-0.000 χ^2/NDF: 106.7/101

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: 12850645.6/23

Left Out: 0.002+/-0.000 χ^2/NDF:14941257.4/24

Right Out: 0.001+/-0.000 χ^2/NDF: 14939490.4/29

Left In: 0.002+/-0.000 χ^2/NDF:11478607.0/22

Left: 0.002+/-0.000 χ^2/NDF: 26484379.9/47

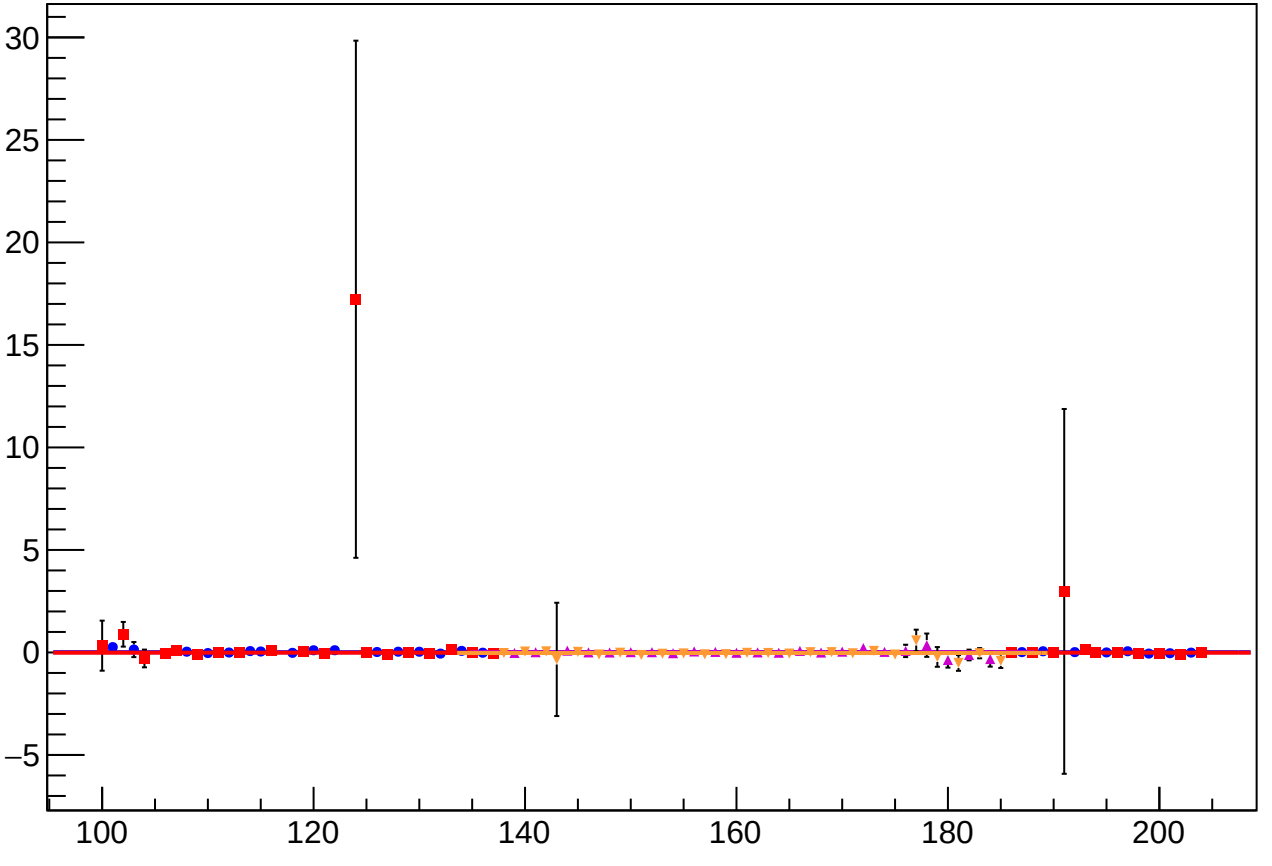
Right: 0.002+/-0.000 χ^2/NDF: 27791480.9/53

In: 0.002+/-0.000 χ^2/NDF:24842814.1/46

Out: 0.002+/-0.000 χ^2/NDF:30198961.8/54

All: 0.002+/-0.000 χ^2/NDF: 55091506.1/101

asym_atl_avg_atr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.012+/-0.013 χ^2/NDF: 13.8/23

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: -0.011+/-0.012 χ^2/NDF: 22.4/29

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

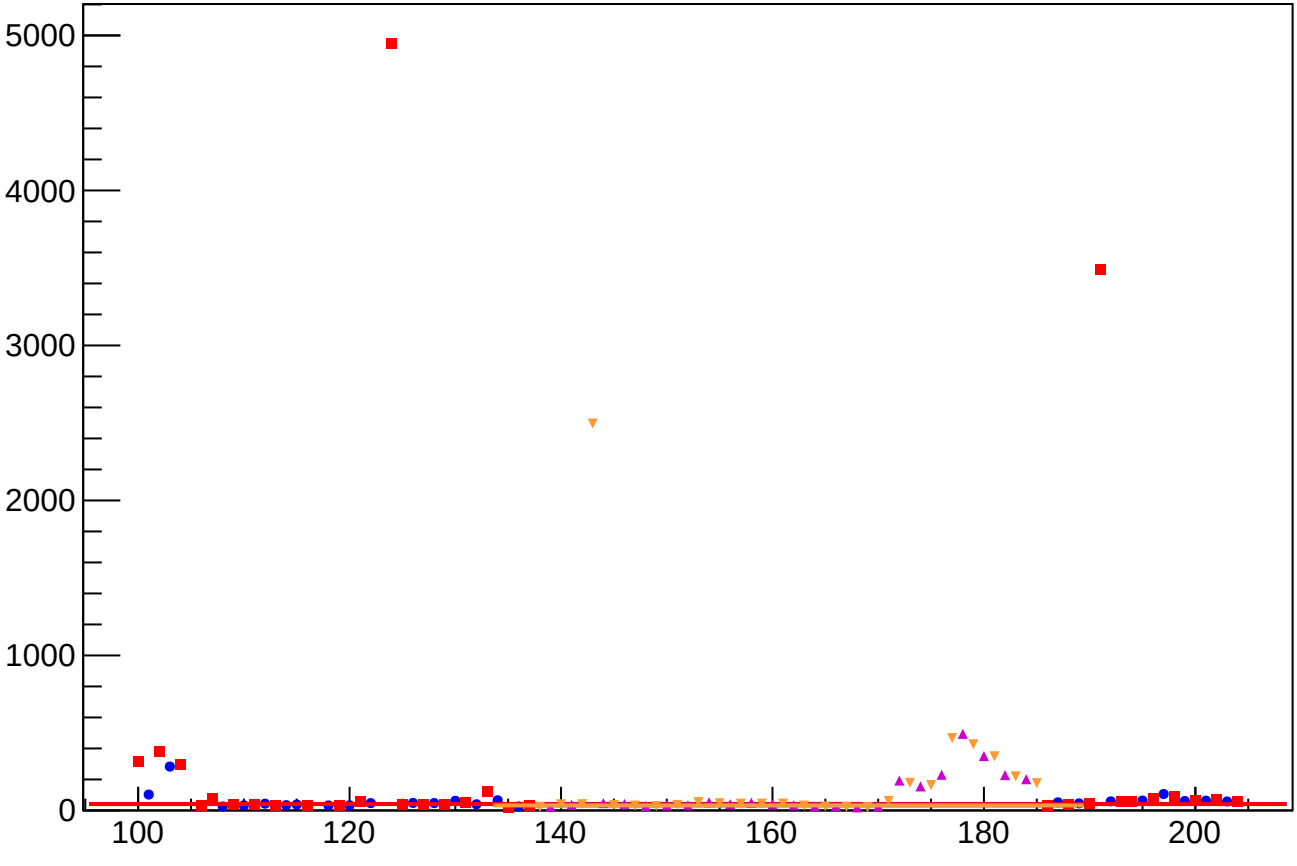
Right: -0.000+/-0.009 χ^2/NDF: 37.7/53

In: 0.011+/-0.008 χ^2/NDF:26.9/46

Out: -0.022+/-0.008 χ^2/NDF:51.7/54

All: -0.006+/-0.005 χ^2/NDF: 87.9/101

asym_atl_avg_atr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.941+/-0.009 χ^2/NDF: 3948908.3/23

Left Out: 32.551+/-0.007 χ^2/NDF:10872015.8/24

Right Out: 40.897+/-0.009 χ^2/NDF: 5377410.1/29

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

Left: 32.644+/-0.005 χ^2/NDF: 19836272.3/47

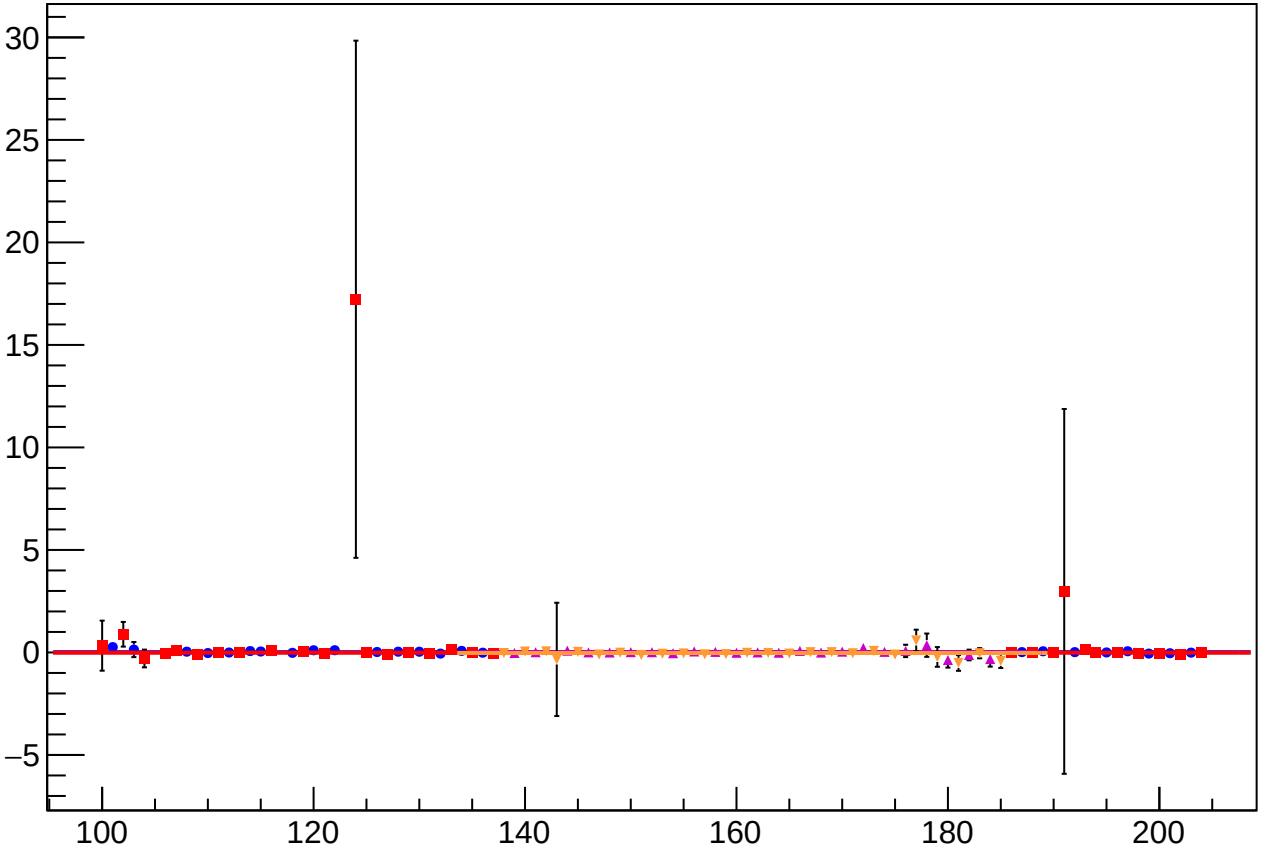
Right: 41.380+/-0.006 χ^2/NDF: 9332879.6/53

In: 35.826+/-0.005 χ^2/NDF:13542845.3/46

Out: 35.644+/-0.005 χ^2/NDF:16819683.6/54

All: 35.733+/-0.004 χ^2/NDF: 30363089.6/101

asym_atl_avg_atr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.012+/-0.013 χ^2/NDF: 13.8/23

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: -0.011+/-0.012 χ^2/NDF: 22.4/29

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

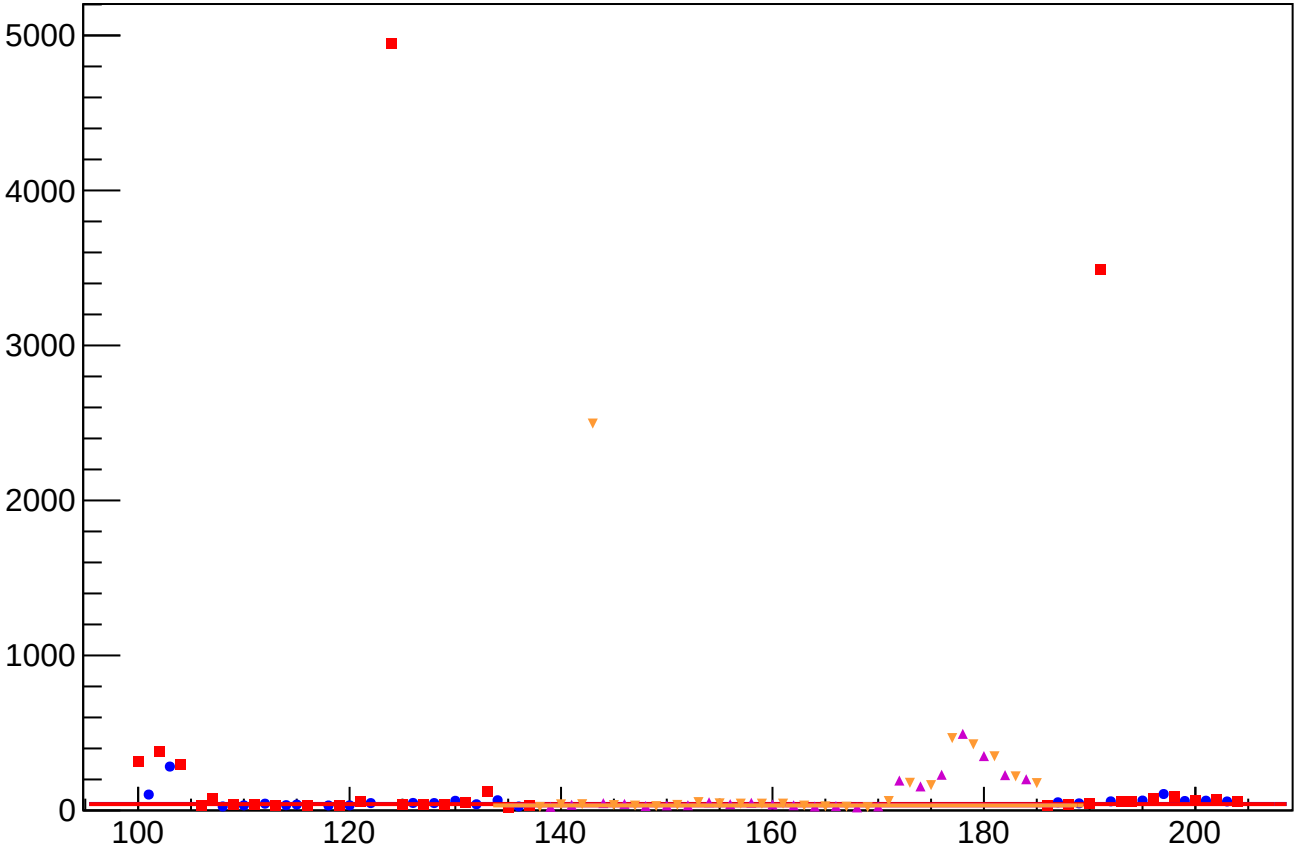
Right: -0.000+/-0.009 χ^2/NDF: 37.7/53

In: 0.011+/-0.008 χ^2/NDF:26.9/46

Out: -0.022+/-0.008 χ^2/NDF:51.7/54

All: -0.006+/-0.005 χ^2/NDF: 87.9/101

asym_atl_avg_atr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.941+/-0.009 χ^2/NDF: 3948908.3/23

Left Out: 32.551+/-0.007 χ^2/NDF:10872015.8/24

Right Out: 40.897+/-0.009 χ^2/NDF: 5377410.1/29

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

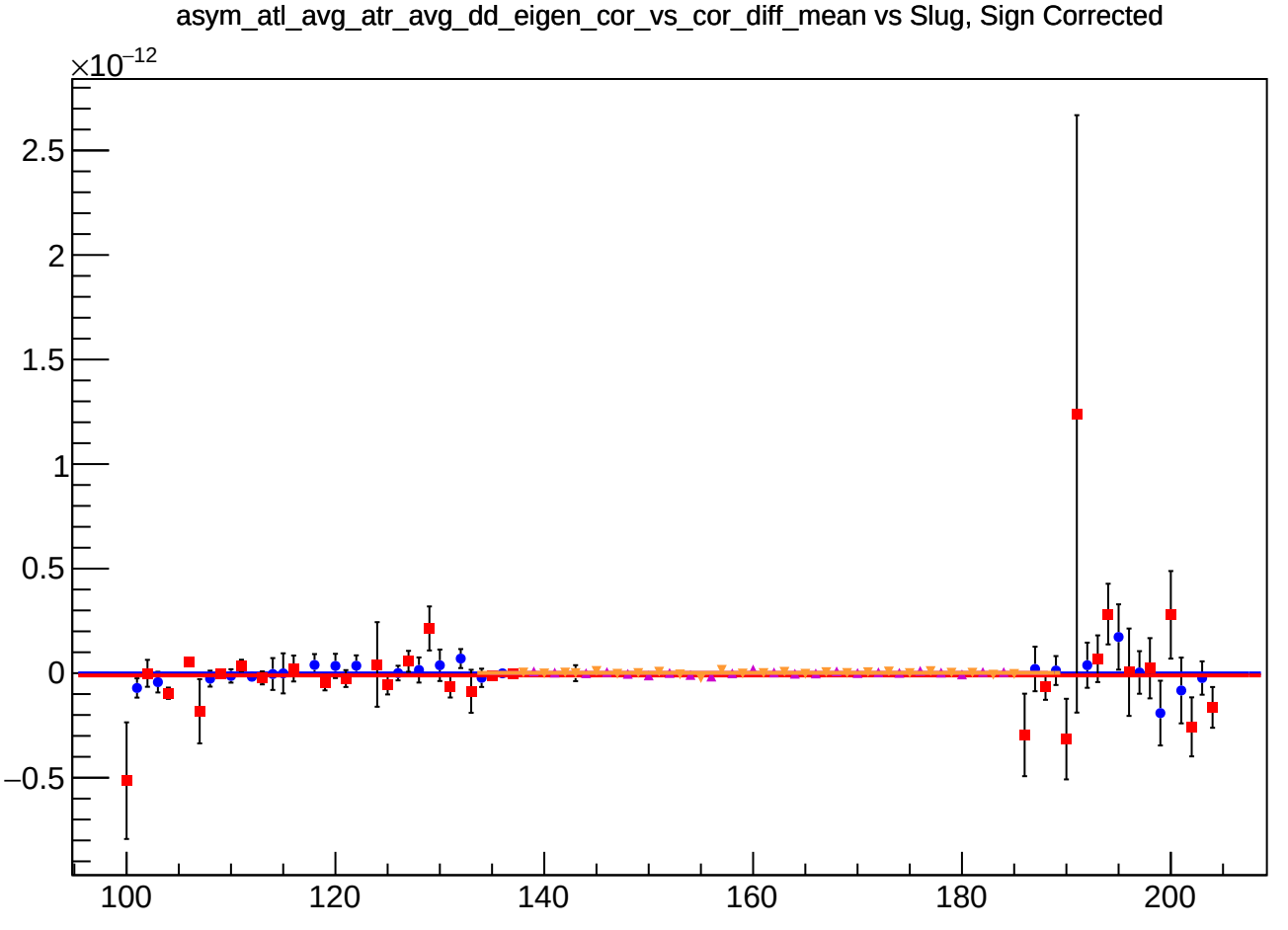
Left: 32.644+/-0.005 χ^2/NDF: 19836272.3/47

Right: 41.380+/-0.006 χ^2/NDF: 9332879.6/53

In: 35.826+/-0.005 χ^2/NDF:13542845.3/46

Out: 35.644+/-0.005 χ^2/NDF:16819683.6/54

All: 35.733+/-0.004 χ^2/NDF: 30363089.6/101



Right In: -0.000+/-0.000 χ^2/NDF: 11.9/23

Left Out: 0.000+/-0.000 χ^2/NDF:18.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 57.9/29

Left In: 0.000+/-0.000 χ^2/NDF:28.7/22

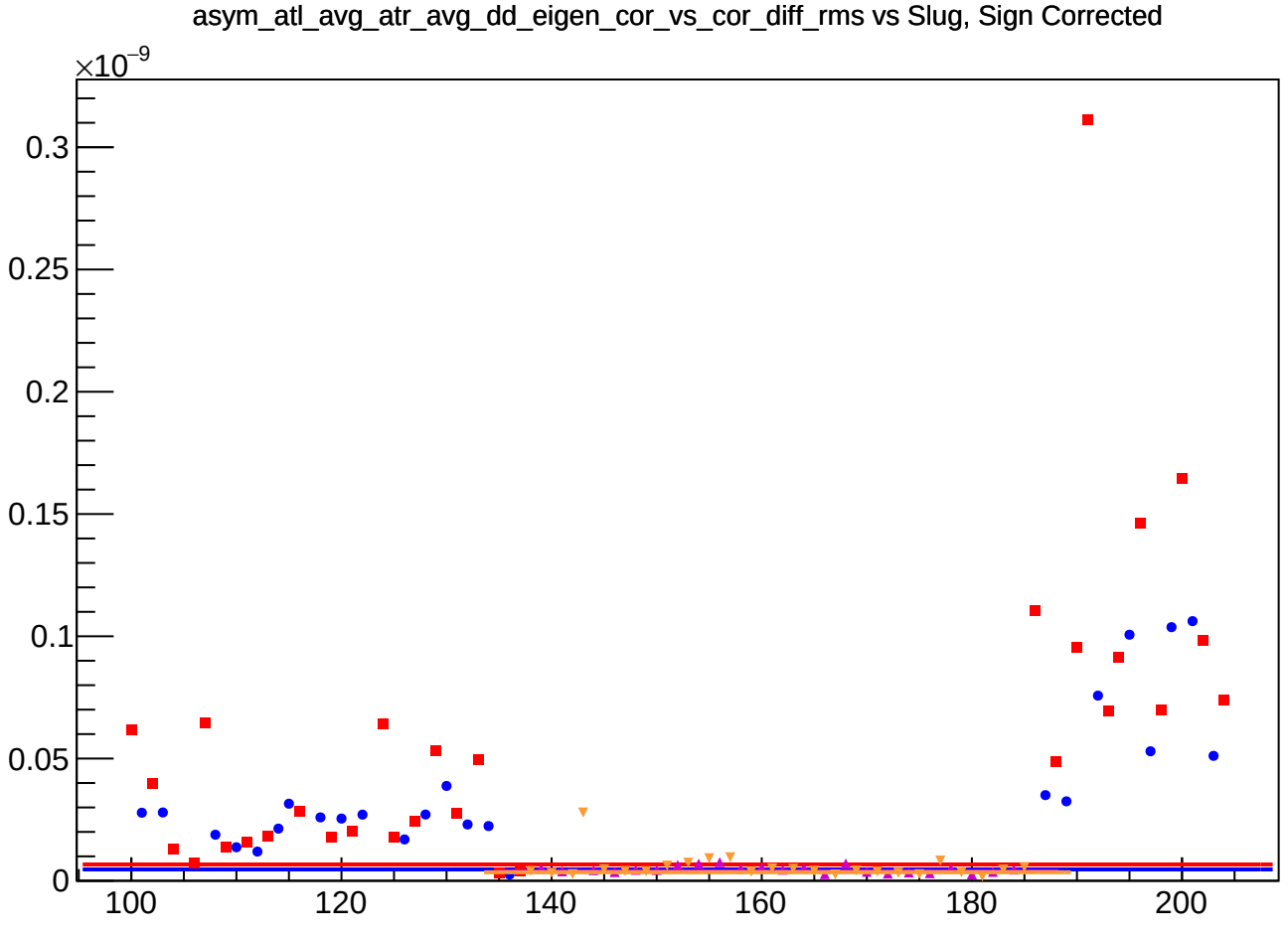
Left: 0.000+/-0.000 χ^2/NDF: 46.8/47

Right: -0.000+/-0.000 χ^2/NDF: 73.0/53

In: 0.000+/-0.000 χ^2/NDF:41.1/46

Out: 0.000+/-0.000 χ^2/NDF:84.2/54

All: 0.000+/-0.000 χ^2/NDF: 125.3/101



Right In: 0.000+/-0.000 χ^2/NDF: 10002564.1/23

Left Out: 0.000+/-0.000 χ^2/NDF:4688121.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 12374937.9/29

Left In: 0.000+/-0.000 χ^2/NDF:2073078.0/22

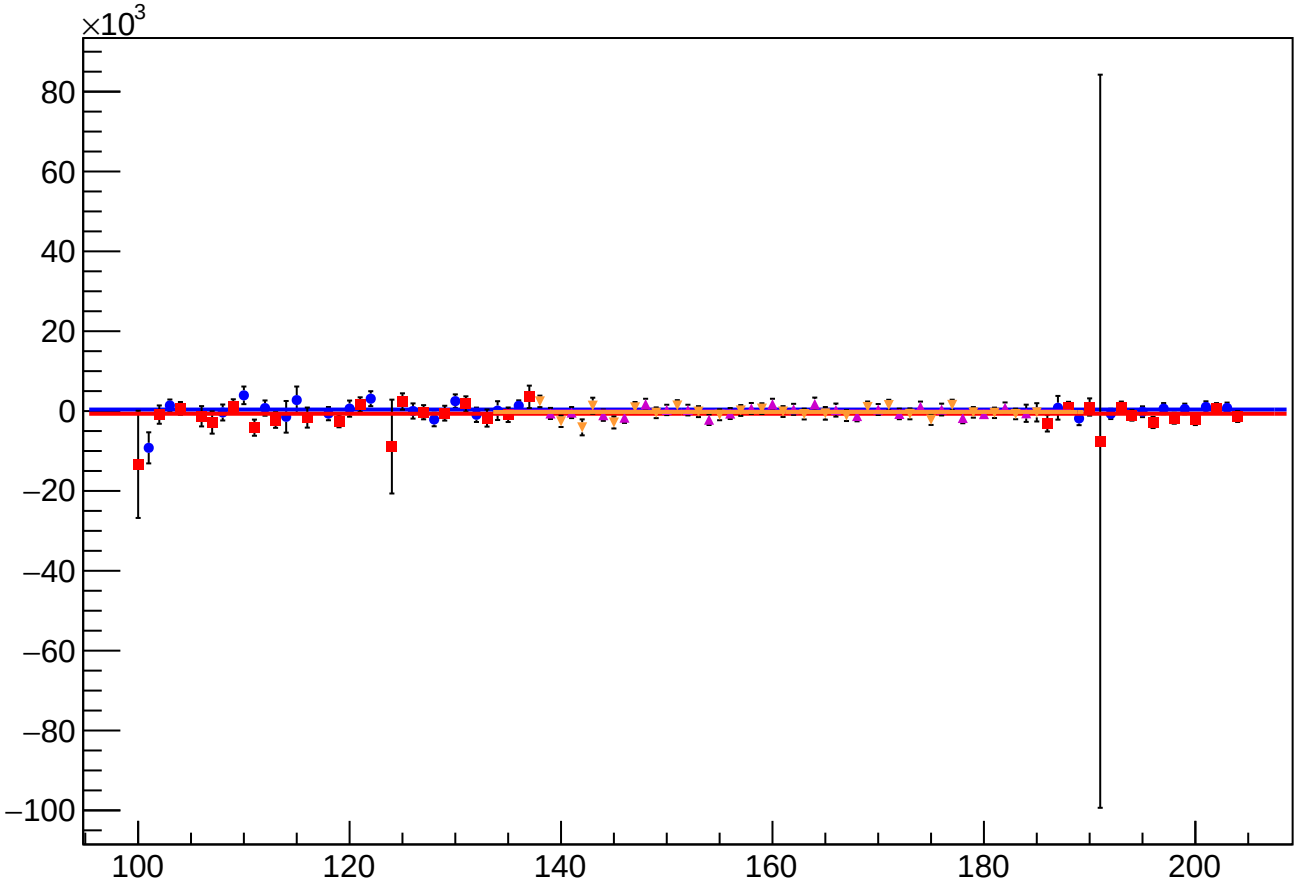
Left: 0.000+/-0.000 χ^2/NDF: 6948707.3/47

Right: 0.000+/-0.000 χ^2/NDF: 22663731.5/53

In: 0.000+/-0.000 χ^2/NDF:12148089.7/46

Out: 0.000+/-0.000 χ^2/NDF:18174531.0/54

All: 0.000+/-0.000 χ^2/NDF: 30435688.1/101



Right In: 380.864+/-352.308 χ^2/NDF: 20.2/23

Left Out: -220.721+/-283.055 χ^2/NDF:23.9/24

Right Out: -671.748+/-331.777 χ^2/NDF: 27.3/29

Left In: -92.402+/-288.217 χ^2/NDF:14.7/22

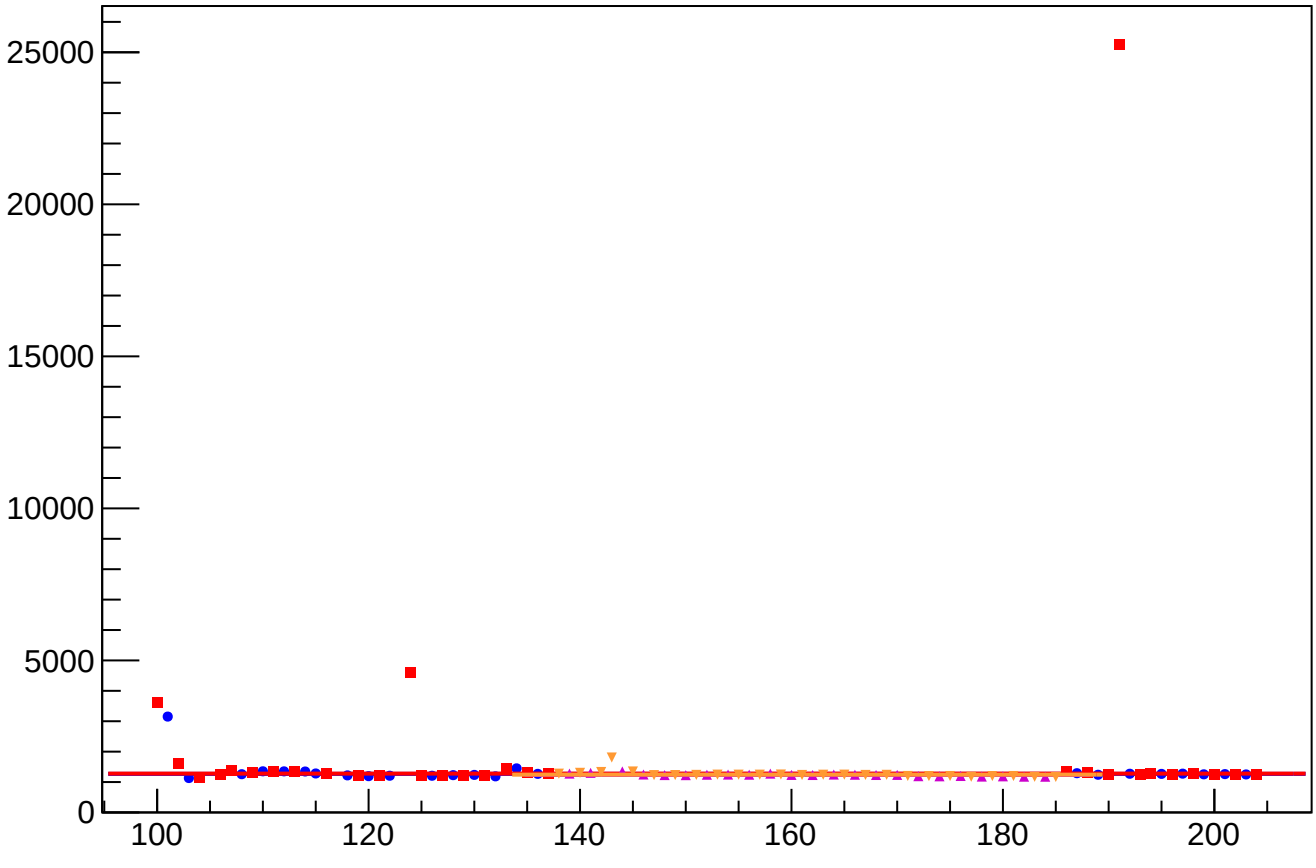
Left: -157.721+/-201.950 χ^2/NDF: 38.7/47

Right: -177.004+/-241.534 χ^2/NDF: 52.3/53

In: 97.346+/-223.078 χ^2/NDF:36.0/46

Out: -410.716+/-215.336 χ^2/NDF:52.3/54

All: -165.655+/-154.930 χ^2/NDF: 91.0/101



Right In: 1267.948+/-0.249 χ^2/NDF: 520874.4/23

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

Right Out: 1277.696+/-0.235 χ^2/NDF: 470699.2/29

Left In: 1233.752+/-0.204 χ^2/NDF:39281.8/22

Left: 1238.371+/-0.143 χ^2/NDF: 243589.7/47

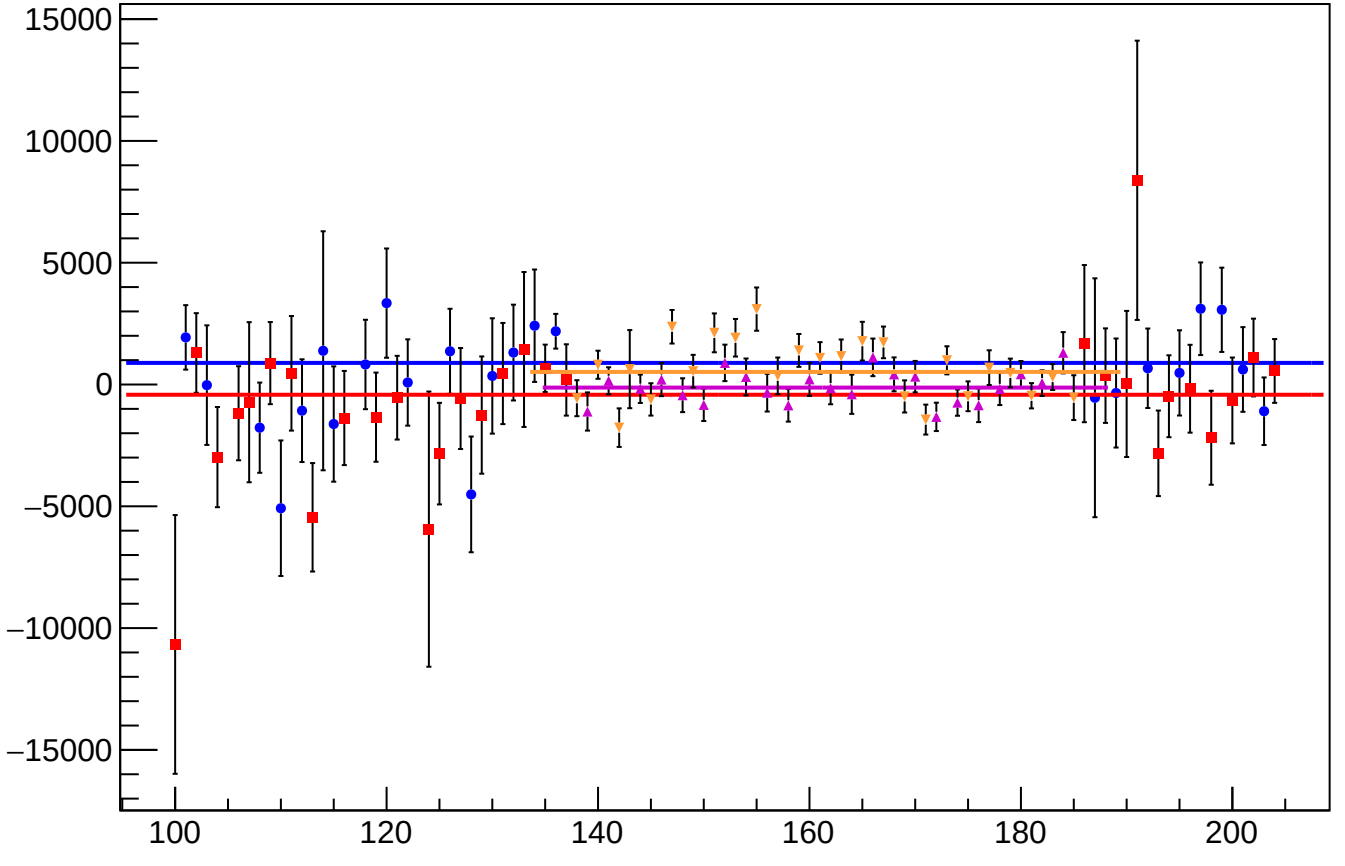
Right: 1273.114+/-0.171 χ^2/NDF: 992385.0/53

In: 1247.462+/-0.158 χ^2/NDF:571443.8/46

Out: 1257.514+/-0.152 χ^2/NDF:686785.0/54

All: 1252.666+/-0.110 χ^2/NDF: 1260330.9/10

asym_atl_dd_atr_dd_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 887.253+/-355.340 χ^2/NDF: 25.4/23

Left Out: 516.792+/-135.746 χ^2/NDF:67.0/24

Right Out: -420.300+/-348.719 χ^2/NDF: 24.4/29

Left In: -126.569+/-137.266 χ^2/NDF:21.6/22

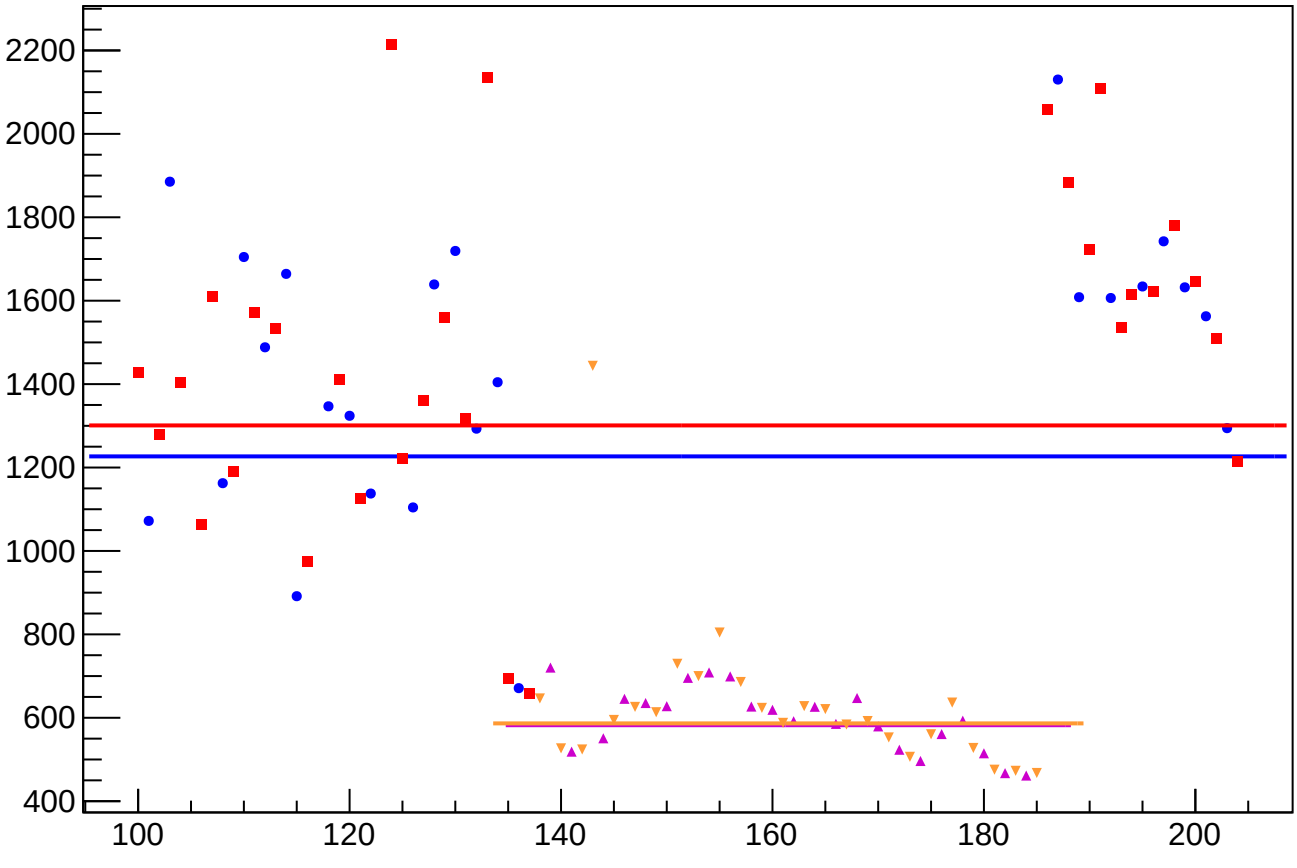
Left: 198.694+/-96.520 χ^2/NDF: 99.7/47

Right: 221.182+/-248.890 χ^2/NDF: 56.7/53

In: 5.073+/-128.045 χ^2/NDF:54.0/46

Out: 393.479+/-126.500 χ^2/NDF:97.7/54

All: 201.634+/-89.990 χ^2/NDF: 156.4/101



Right In: 1226.721+/-0.251 χ^2/NDF: 2401715.0/23

Left Out: 586.557+/-0.096 χ^2/NDF:1202915.7/24

Right Out: 1300.966+/-0.247 χ^2/NDF: 2359618.3/29

Left In: 582.190+/-0.097 χ^2/NDF:559261.3/22

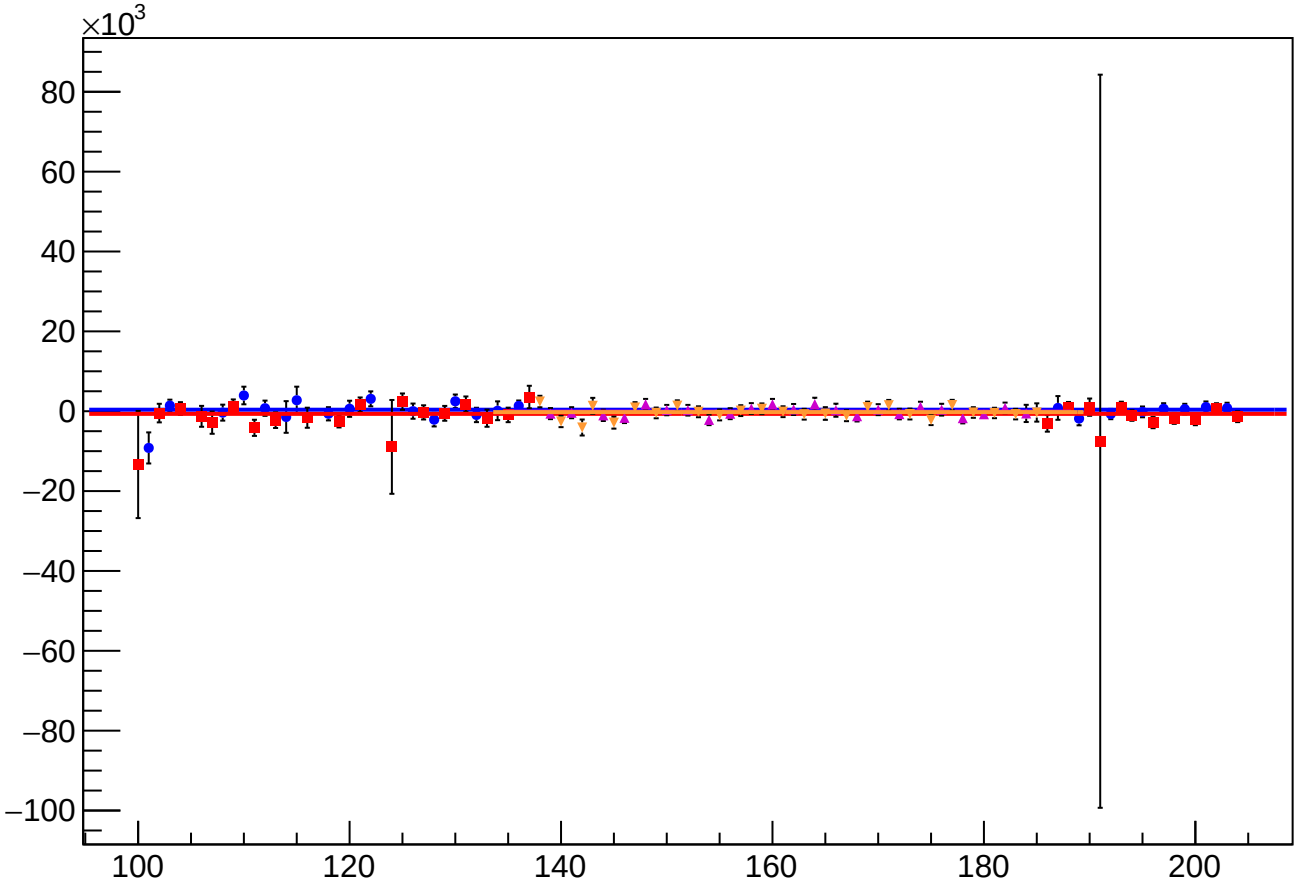
Left: 584.398+/-0.068 χ^2/NDF: 1763200.3/47

Right: 1264.541+/-0.176 χ^2/NDF: 4805811.0/53

In: 665.881+/-0.091 χ^2/NDF:8686607.4/46

Out: 680.567+/-0.089 χ^2/NDF:10851997.7/54

All: 673.313+/-0.064 χ^2/NDF: 19551919.7/10



Right In: 381.082+/-352.308 χ^2/NDF: 20.2/23

Left Out: -220.755+/-283.055 χ^2/NDF:23.9/24

Right Out: -662.242+/-332.046 χ^2/NDF: 27.3/29

Left In: -92.472+/-288.217 χ^2/NDF:14.7/22

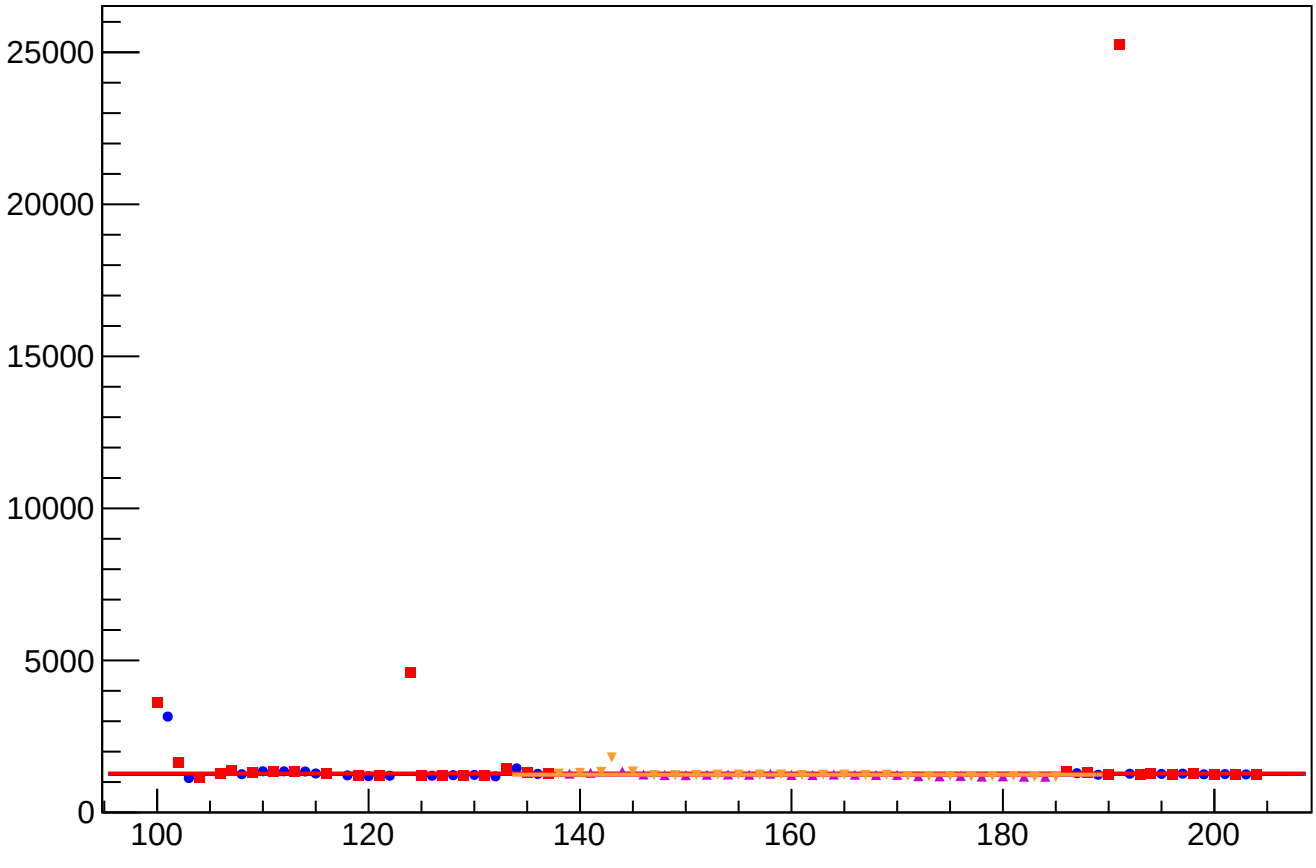
Left: -157.773+/-201.950 χ^2/NDF: 38.7/47

Right: -171.443+/-241.638 χ^2/NDF: 52.2/53

In: 97.391+/-223.078 χ^2/NDF:36.0/46

Out: -406.557+/-215.409 χ^2/NDF:52.3/54

All: -163.394+/-154.958 χ^2/NDF: 90.9/101



Right In: 1267.948+/-0.249 χ^2/NDF: 520875.8/23

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

Right Out: 1278.778+/-0.235 χ^2/NDF: 477563.4/29

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

Left: 1238.371+/-0.143 χ^2/NDF: 243589.6/47

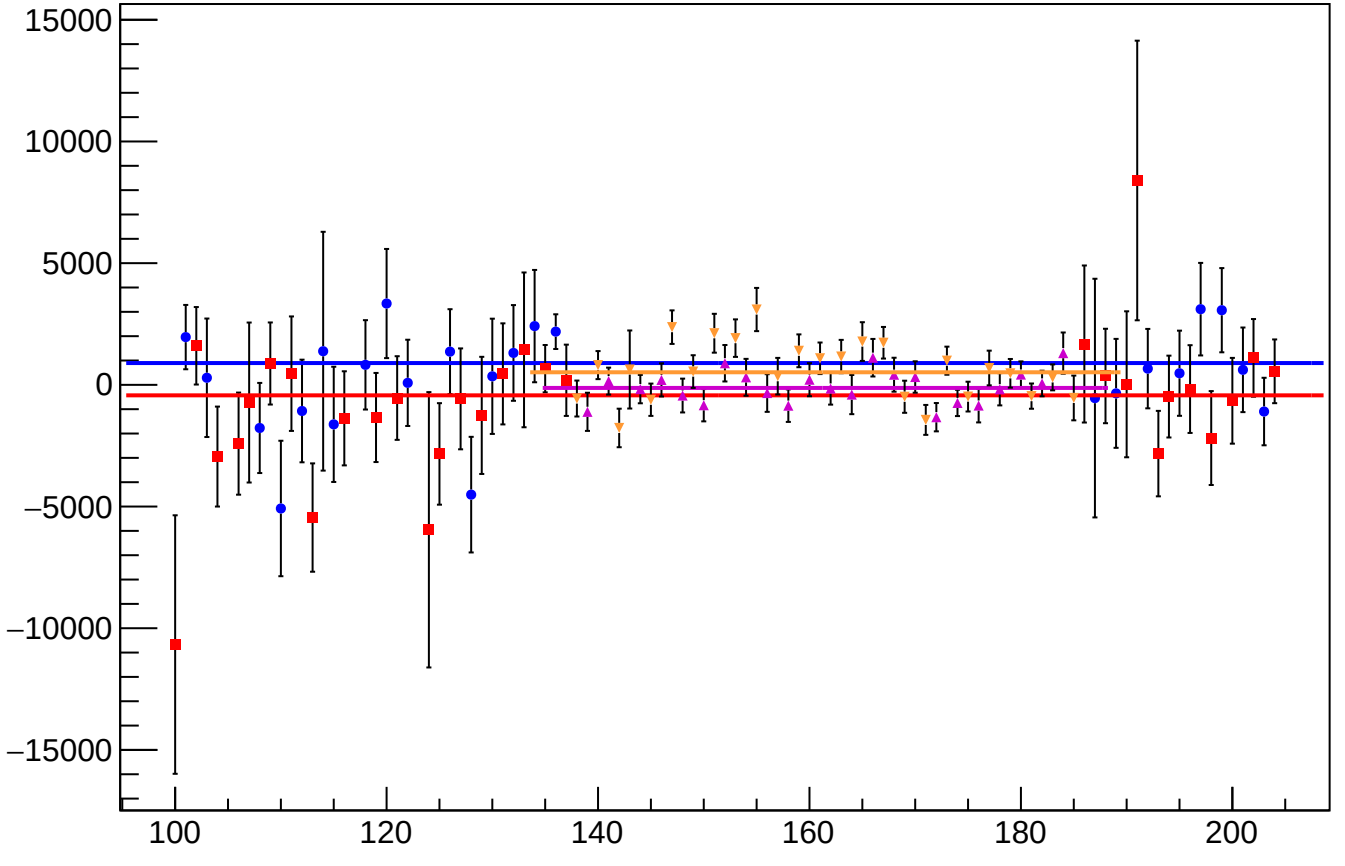
Right: 1273.683+/-0.171 χ^2/NDF: 999440.0/53

In: 1247.462+/-0.158 χ^2/NDF:571445.2/46

Out: 1257.956+/-0.152 χ^2/NDF:694442.2/54

All: 1252.893+/-0.110 χ^2/NDF: 1268177.4/10

asym_atl_dd_atr_dd_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: 895.941+/-355.238 χ^2/NDF: 25.4/23

Left Out: 516.811+/-135.747 χ^2/NDF:67.0/24

Right Out: -430.945+/-349.146 χ^2/NDF: 25.7/29

Left In: -126.549+/-137.266 χ^2/NDF:21.6/22

Left: 198.710+/-96.520 χ^2/NDF: 99.7/47

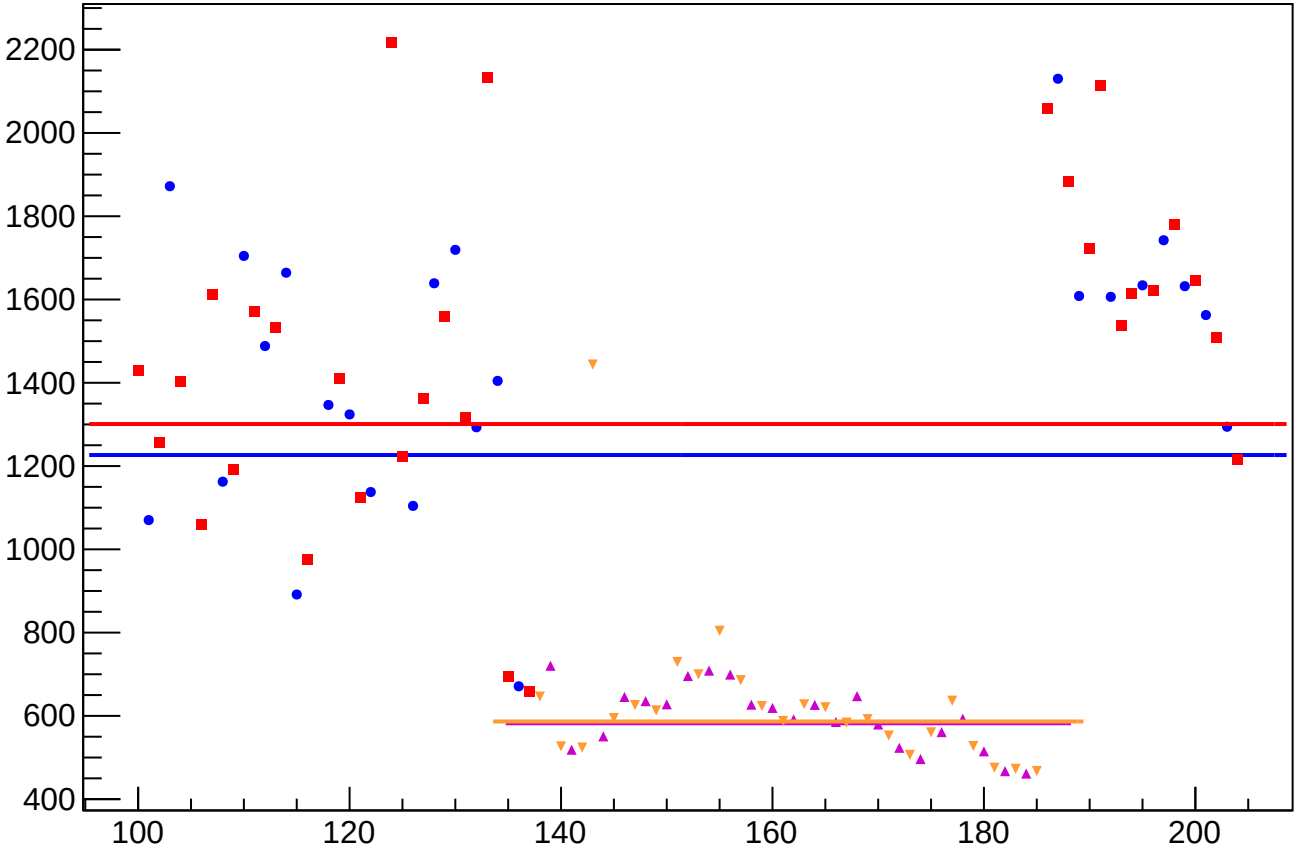
Right: 221.024+/-249.009 χ^2/NDF: 58.1/53

In: 6.285+/-128.039 χ^2/NDF:54.1/46

Out: 392.358+/-126.521 χ^2/NDF:99.1/54

All: 201.625+/-89.996 χ^2/NDF: 157.8/101

asym_atl_dd_atr_dd_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 1226.505+/-0.251 χ^2/NDF: 2399015.2/23

Left Out: 586.562+/-0.096 χ^2/NDF:1202822.0/24

Right Out: 1300.918+/-0.247 χ^2/NDF: 2357253.6/29

Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

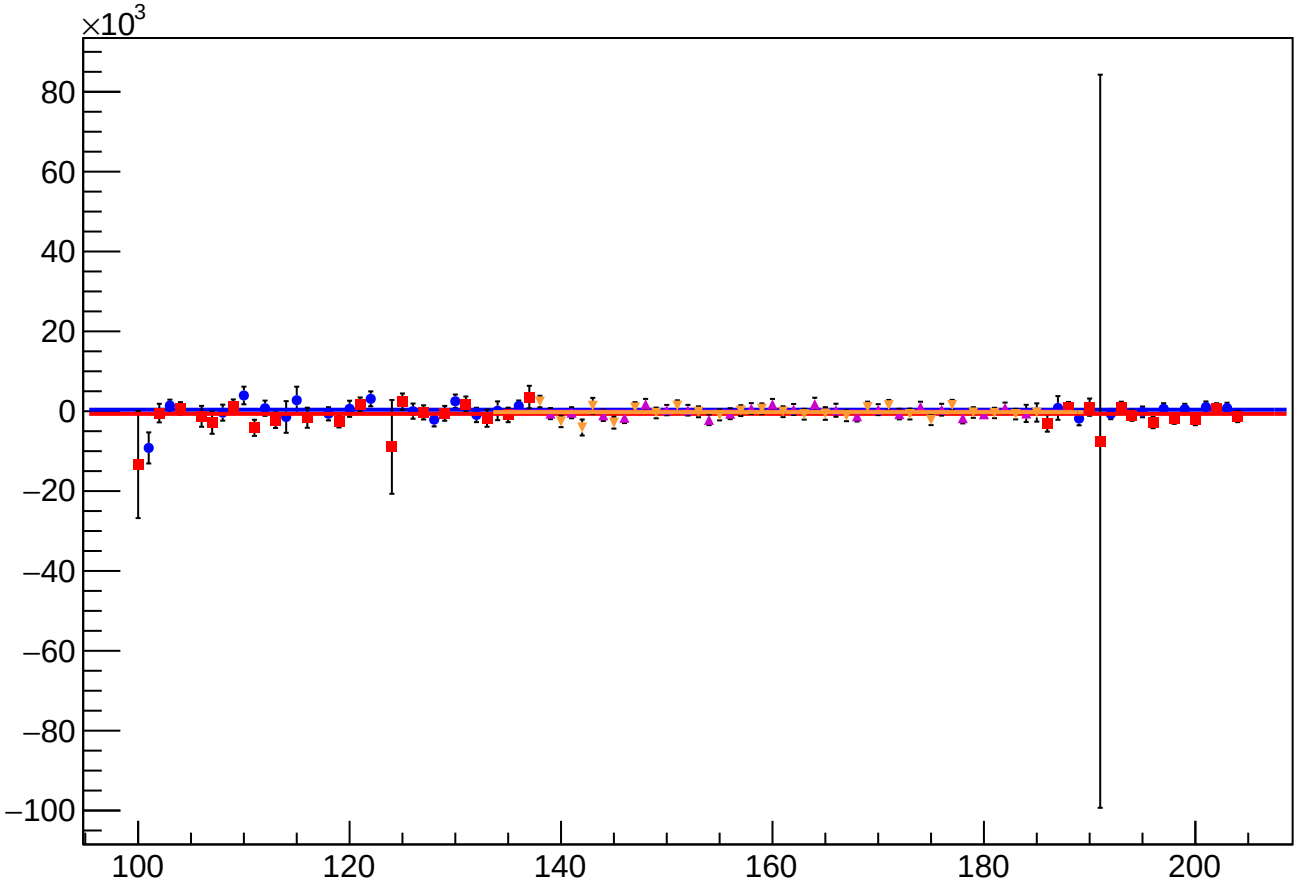
Left: 584.400+/-0.068 χ^2/NDF: 1763106.4/47

Right: 1264.355+/-0.176 χ^2/NDF: 4800906.9/53

In: 665.893+/-0.091 χ^2/NDF:8682981.0/46

Out: 680.366+/-0.089 χ^2/NDF:10832978.3/54

All: 673.216+/-0.064 χ^2/NDF: 19528889.2/10



Right In: 381.082+/-352.308 χ^2/NDF: 20.2/23

Left Out: -220.755+/-283.055 χ^2/NDF:23.9/24

Right Out: -662.242+/-332.046 χ^2/NDF: 27.3/29

Left In: -92.472+/-288.217 χ^2/NDF:14.7/22

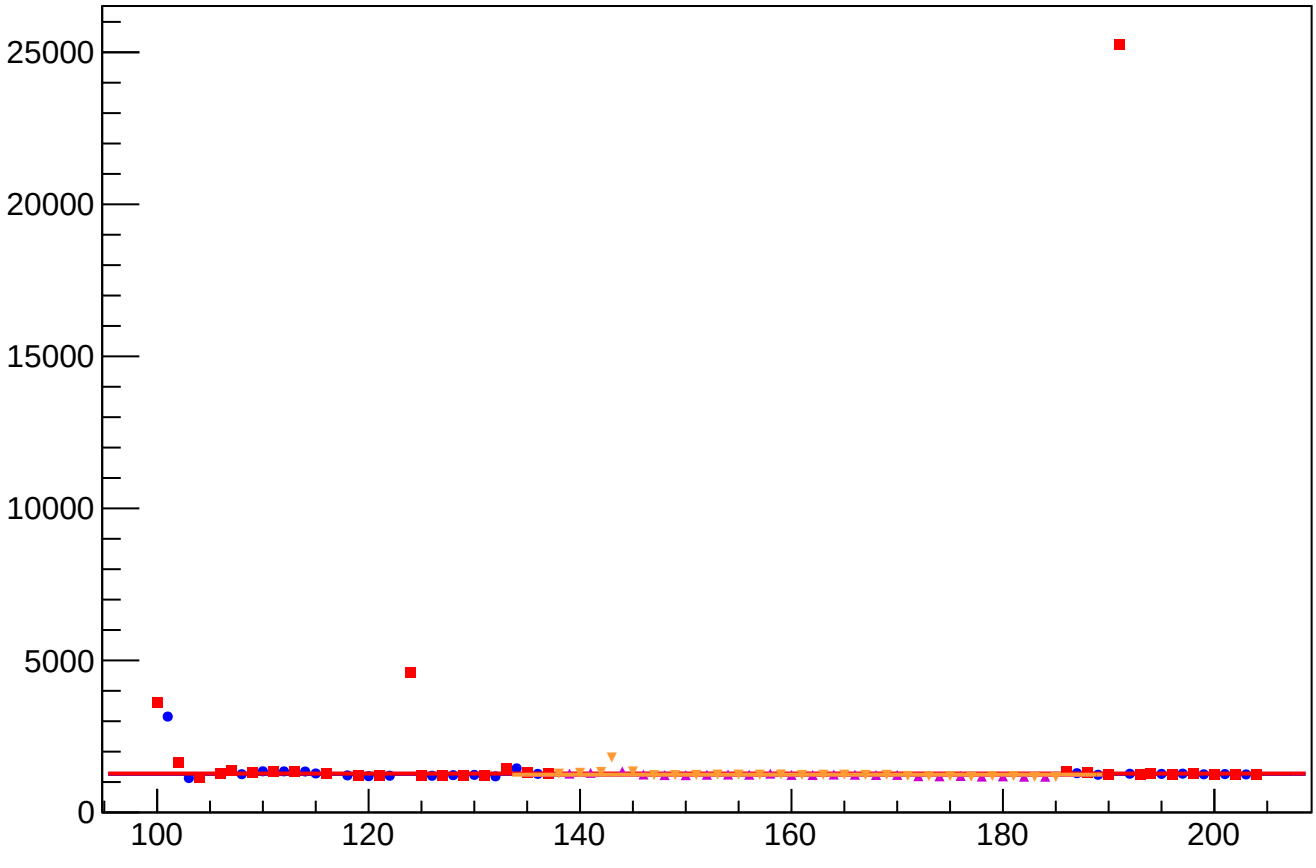
Left: -157.773+/-201.950 χ^2/NDF: 38.7/47

Right: -171.443+/-241.638 χ^2/NDF: 52.2/53

In: 97.391+/-223.078 χ^2/NDF:36.0/46

Out: -406.557+/-215.409 χ^2/NDF:52.3/54

All: -163.394+/-154.958 χ^2/NDF: 90.9/101



Right In: 1267.948+/-0.249 χ^2/NDF: 520875.8/23

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

Right Out: 1278.778+/-0.235 χ^2/NDF: 477563.4/29

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

Left: 1238.371+/-0.143 χ^2/NDF: 243589.6/47

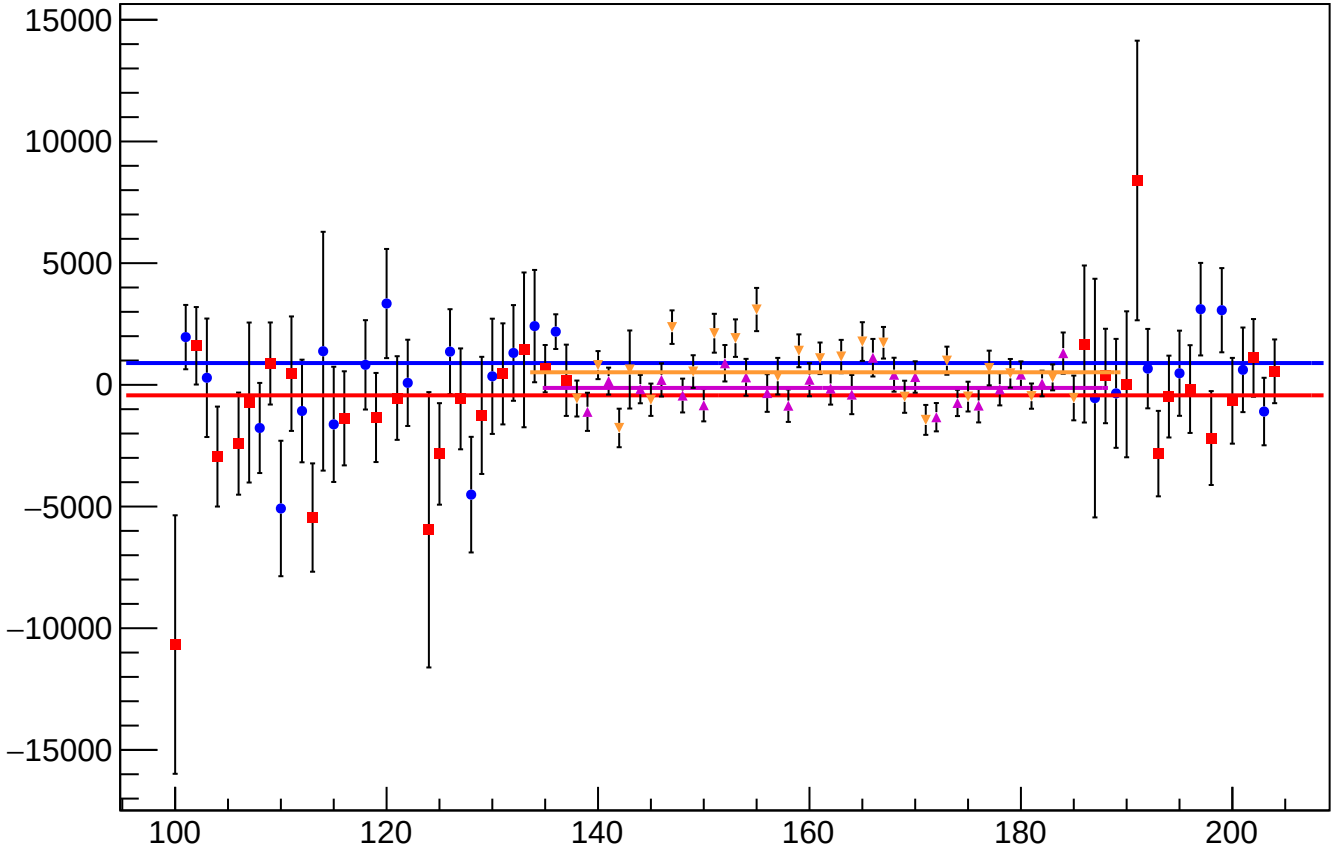
Right: 1273.683+/-0.171 χ^2/NDF: 999440.0/53

In: 1247.462+/-0.158 χ^2/NDF:571445.2/46

Out: 1257.956+/-0.152 χ^2/NDF:694442.2/54

All: 1252.893+/-0.110 χ^2/NDF: 1268177.4/10

asym_atl_dd_atr_dd_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 895.941+/-355.238 χ^2/NDF: 25.4/23

Left Out: 516.811+/-135.747 χ^2/NDF:67.0/24

Right Out: -430.945+/-349.146 χ^2/NDF: 25.7/29

Left In: -126.549+/-137.266 χ^2/NDF:21.6/22

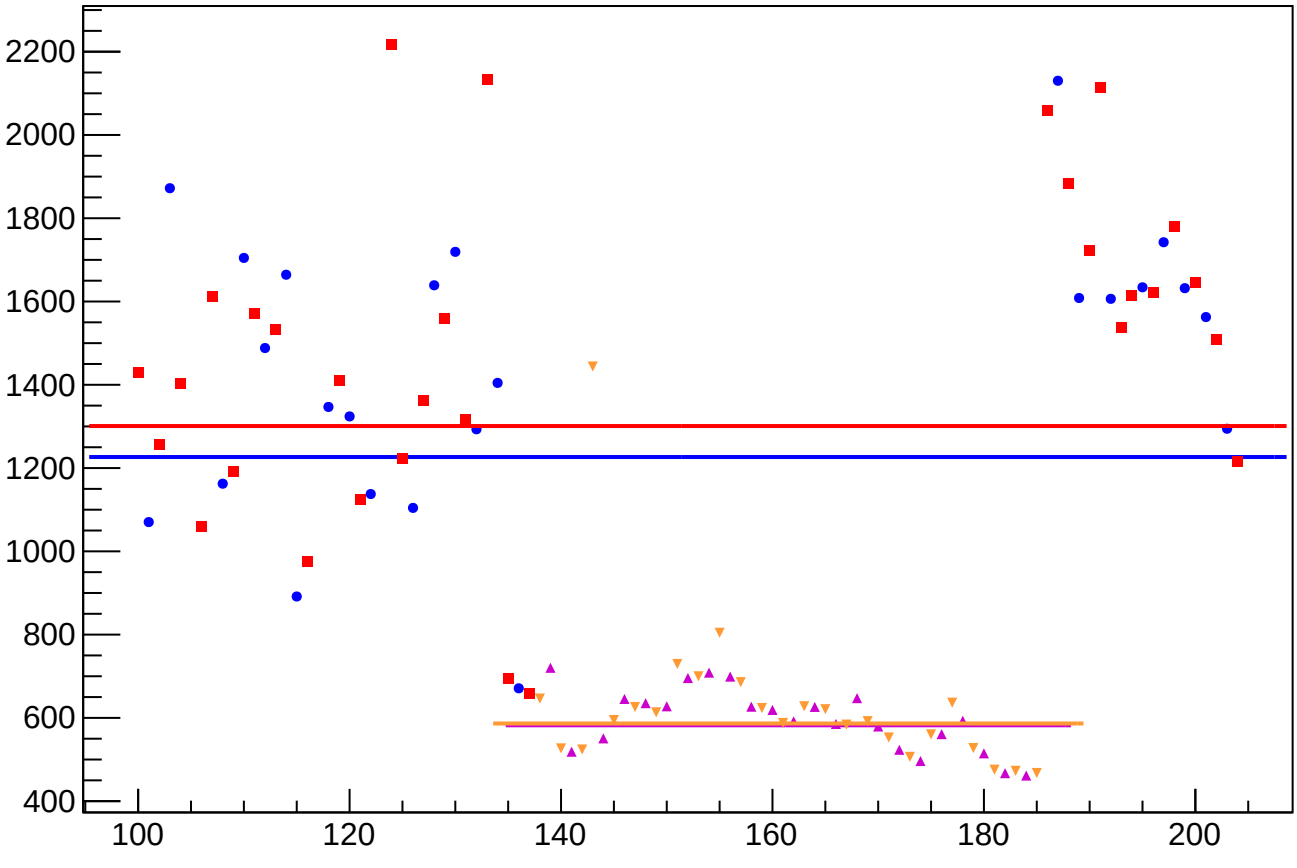
Left: 198.710+/-96.520 χ^2/NDF: 99.7/47

Right: 221.024+/-249.009 χ^2/NDF: 58.1/53

In: 6.285+/-128.039 χ^2/NDF:54.1/46

Out: 392.358+/-126.521 χ^2/NDF:99.1/54

All: 201.625+/-89.996 χ^2/NDF: 157.8/101



Right In: 1226.505+/-0.251 χ^2/NDF: 2399015.2/23

Left Out: 586.562+/-0.096 χ^2/NDF:1202822.0/24

Right Out: 1300.918+/-0.247 χ^2/NDF: 2357253.6/29

Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

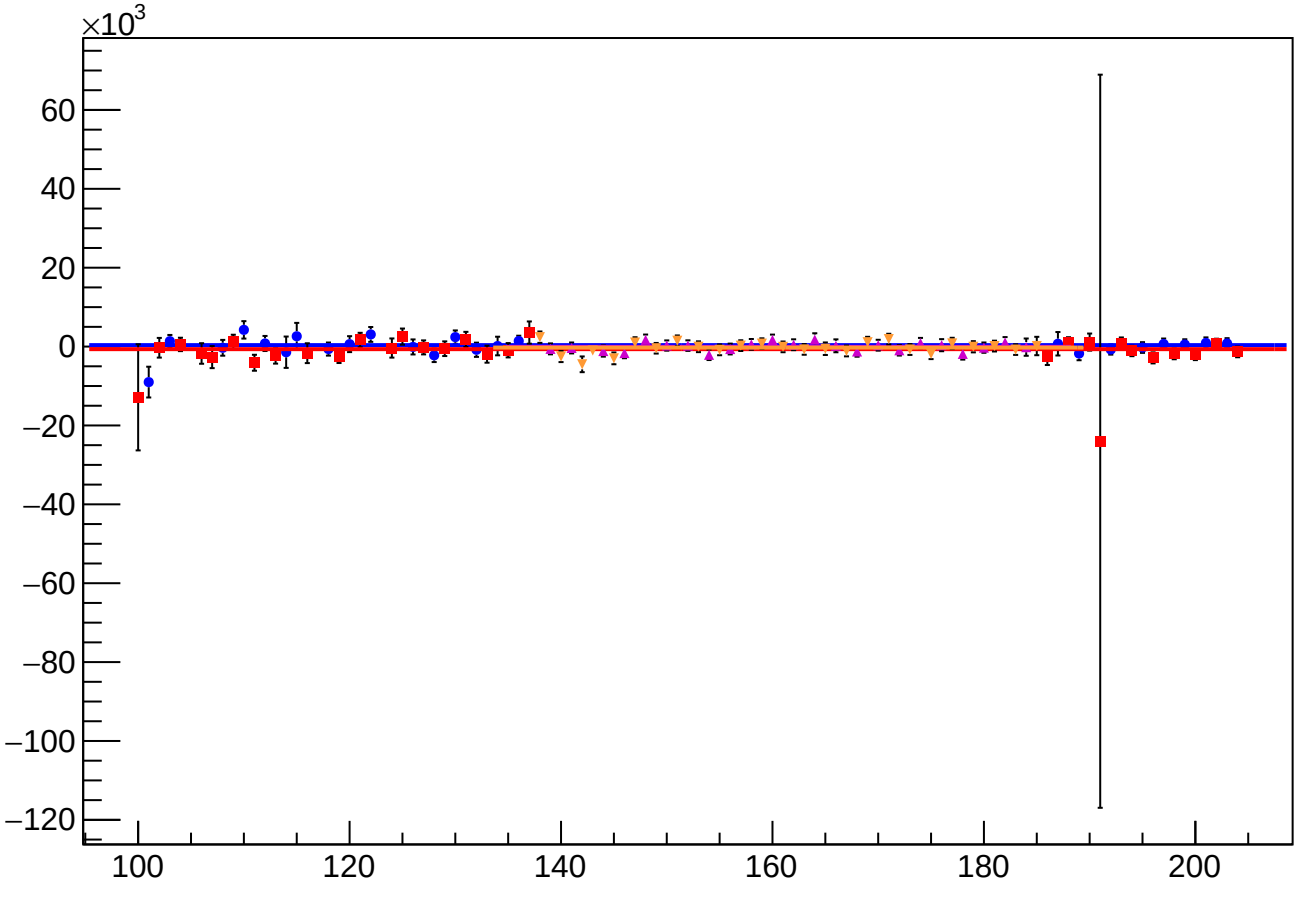
Left: 584.400+/-0.068 χ^2/NDF: 1763106.4/47

Right: 1264.355+/-0.176 χ^2/NDF: 4800906.9/53

In: 665.893+/-0.091 χ^2/NDF:8682981.0/46

Out: 680.366+/-0.089 χ^2/NDF:10832978.3/54

All: 673.216+/-0.064 χ^2/NDF: 19528889.2/10



Right In: 368.671+/-353.757 χ^2/NDF: 20.2/23

Left Out: -250.849+/-279.923 χ^2/NDF:24.0/24

Right Out: -652.324+/-330.942 χ^2/NDF: 26.8/29

Left In: -74.881+/-291.458 χ^2/NDF:14.0/22

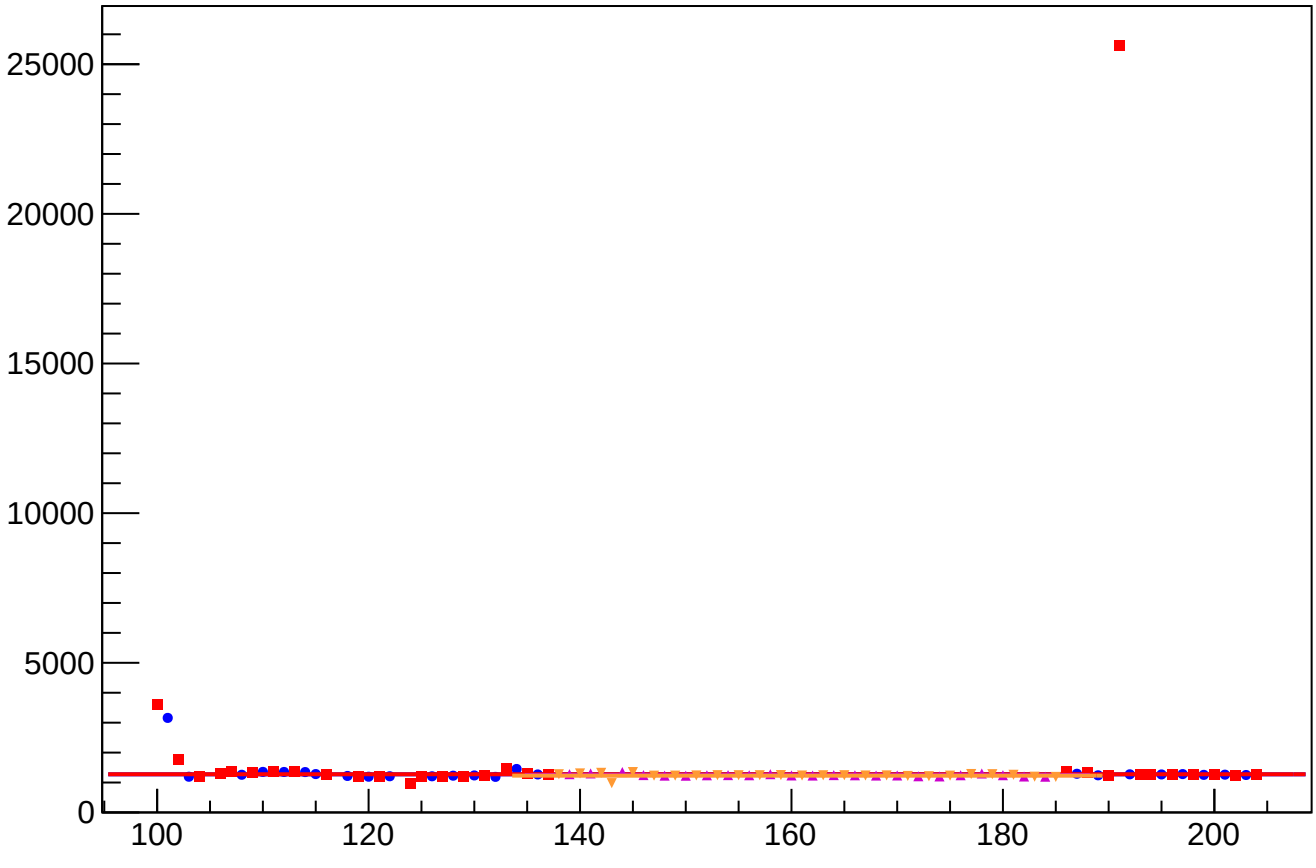
Left: -166.416+/-201.890 χ^2/NDF: 38.2/47

Right: -175.811+/-241.675 χ^2/NDF: 51.4/53

In: 104.463+/-224.945 χ^2/NDF:35.1/46

Out: -418.288+/-213.723 χ^2/NDF:51.7/54

All: -170.277+/-154.940 χ^2/NDF: 89.6/101



Right In: 1273.420+/-0.250 χ^2/NDF: 509496.4/23

Left Out: 1229.986+/-0.198 χ^2/NDF:141607.5/24

Right Out: 1276.606+/-0.234 χ^2/NDF: 370183.0/29

Left In: 1247.785+/-0.206 χ^2/NDF:27340.8/22

Left: 1238.526+/-0.143 χ^2/NDF: 172828.2/47

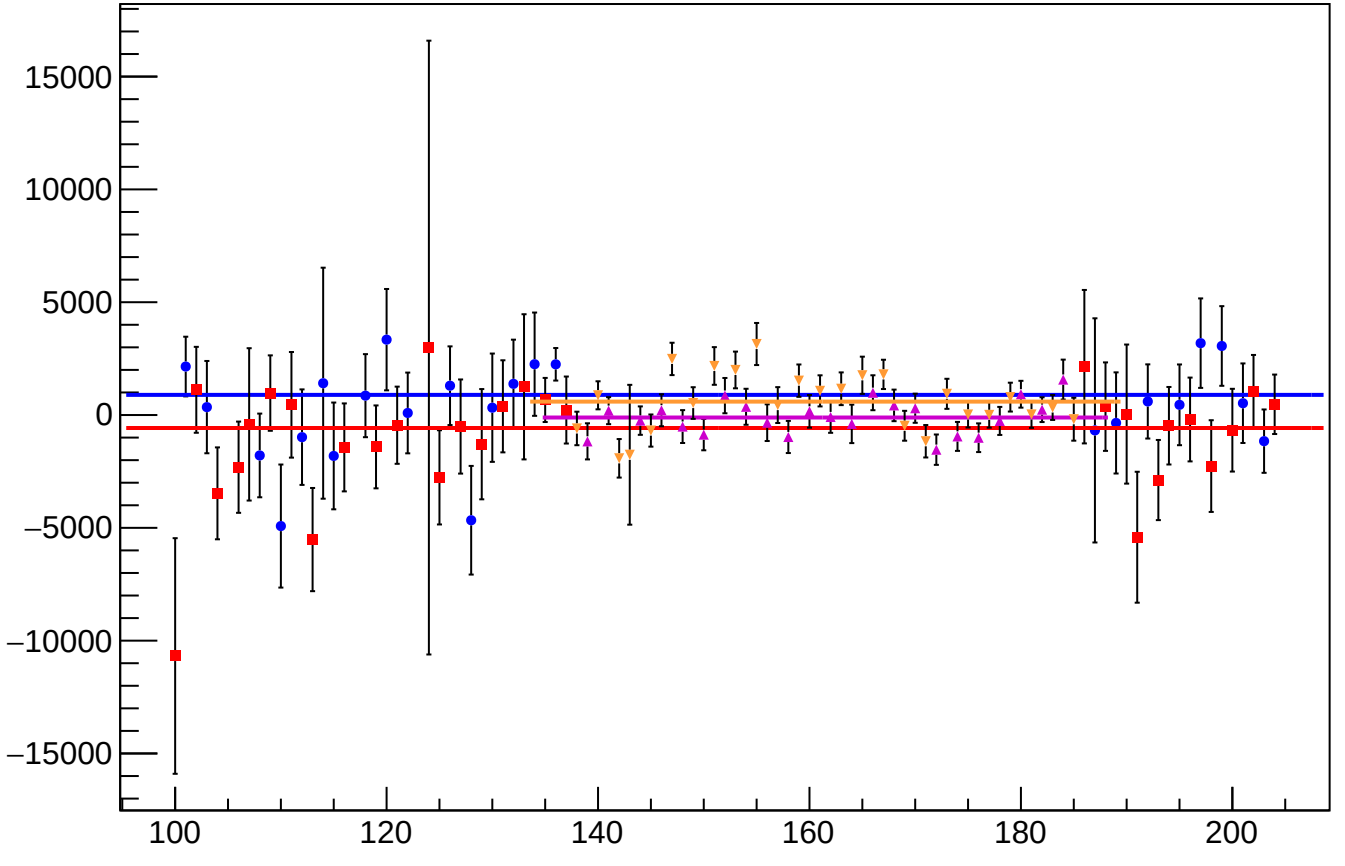
Right: 1275.119+/-0.171 χ^2/NDF: 879765.9/53

In: 1258.150+/-0.159 χ^2/NDF:543093.2/46

Out: 1249.429+/-0.151 χ^2/NDF:534926.6/54

All: 1253.567+/-0.110 χ^2/NDF: 1079599.7/10

asym_atl_dd_atr_dd_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 893.134+/-356.751 χ^2/NDF: 26.0/23

Left Out: 595.000+/-142.130 χ^2/NDF:57.3/24

Right Out: -574.936+/-353.530 χ^2/NDF: 24.9/29

Left In: -110.252+/-144.232 χ^2/NDF:25.7/22

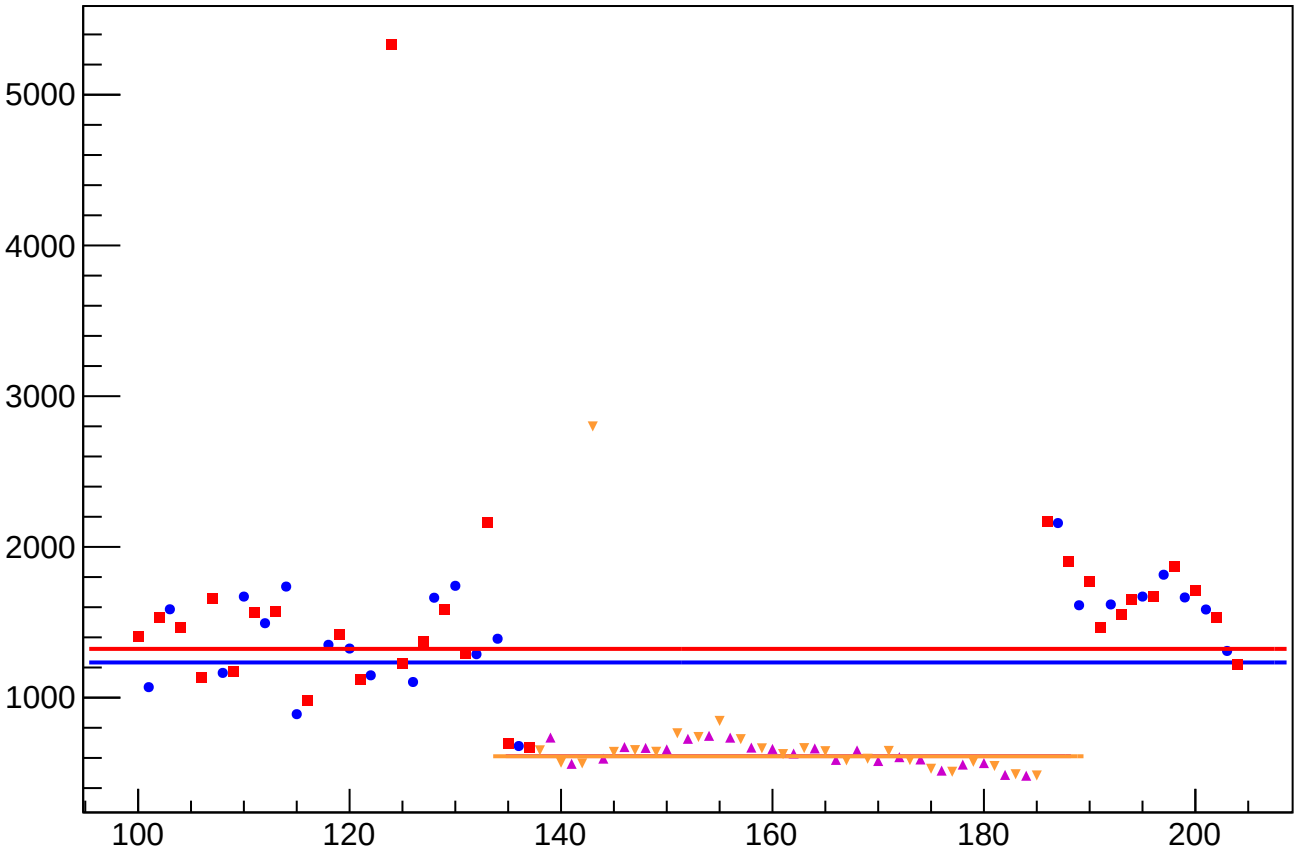
Left: 247.550+/-101.236 χ^2/NDF: 95.2/47

Right: 152.443+/-251.114 χ^2/NDF: 59.4/53

In: 30.714+/-133.717 χ^2/NDF:58.5/46

Out: 432.214+/-131.872 χ^2/NDF:91.6/54

All: 234.254+/-93.893 χ^2/NDF: 154.7/101



Right In: 1233.456+/-0.252 χ^2/NDF: 2342203.4/23

Left Out: 611.087+/-0.101 χ^2/NDF:1619322.3/24

Right Out: 1323.525+/-0.250 χ^2/NDF: 2574408.4/29

Left In: 612.399+/-0.102 χ^2/NDF:508595.4/22

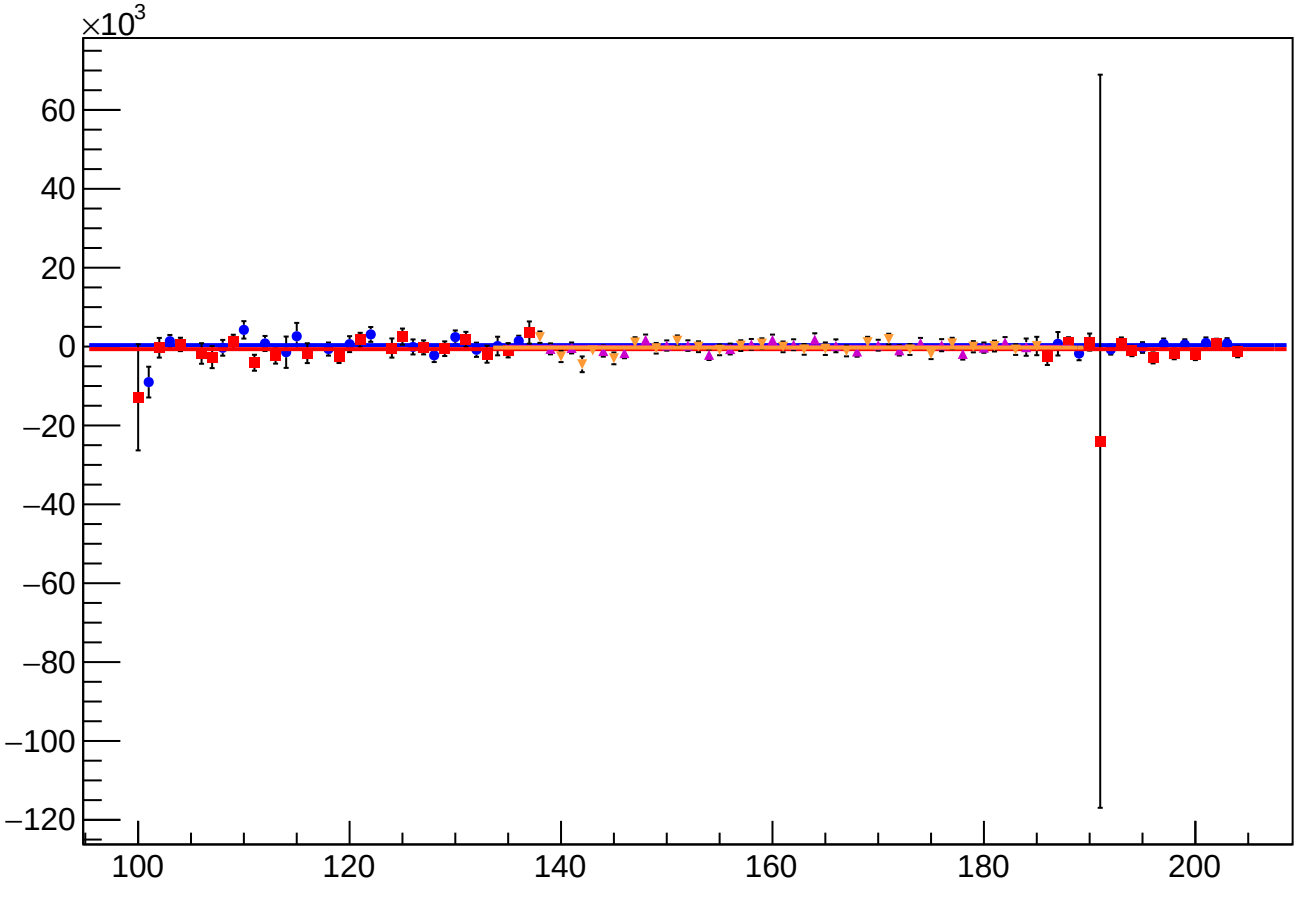
Left: 611.733+/-0.072 χ^2/NDF: 2128001.7/47

Right: 1278.899+/-0.178 χ^2/NDF: 4980931.0/53

In: 699.651+/-0.095 χ^2/NDF:8060522.2/46

Out: 710.216+/-0.093 χ^2/NDF:11185772.0/54

All: 705.007+/-0.066 χ^2/NDF: 19252622.5/10



Right In: 368.673+/-353.757 χ^2/NDF: 20.2/23

Left Out: -250.851+/-279.923 χ^2/NDF:24.0/24

Right Out: -652.325+/-330.942 χ^2/NDF: 26.8/29

Left In: -74.881+/-291.458 χ^2/NDF:14.0/22

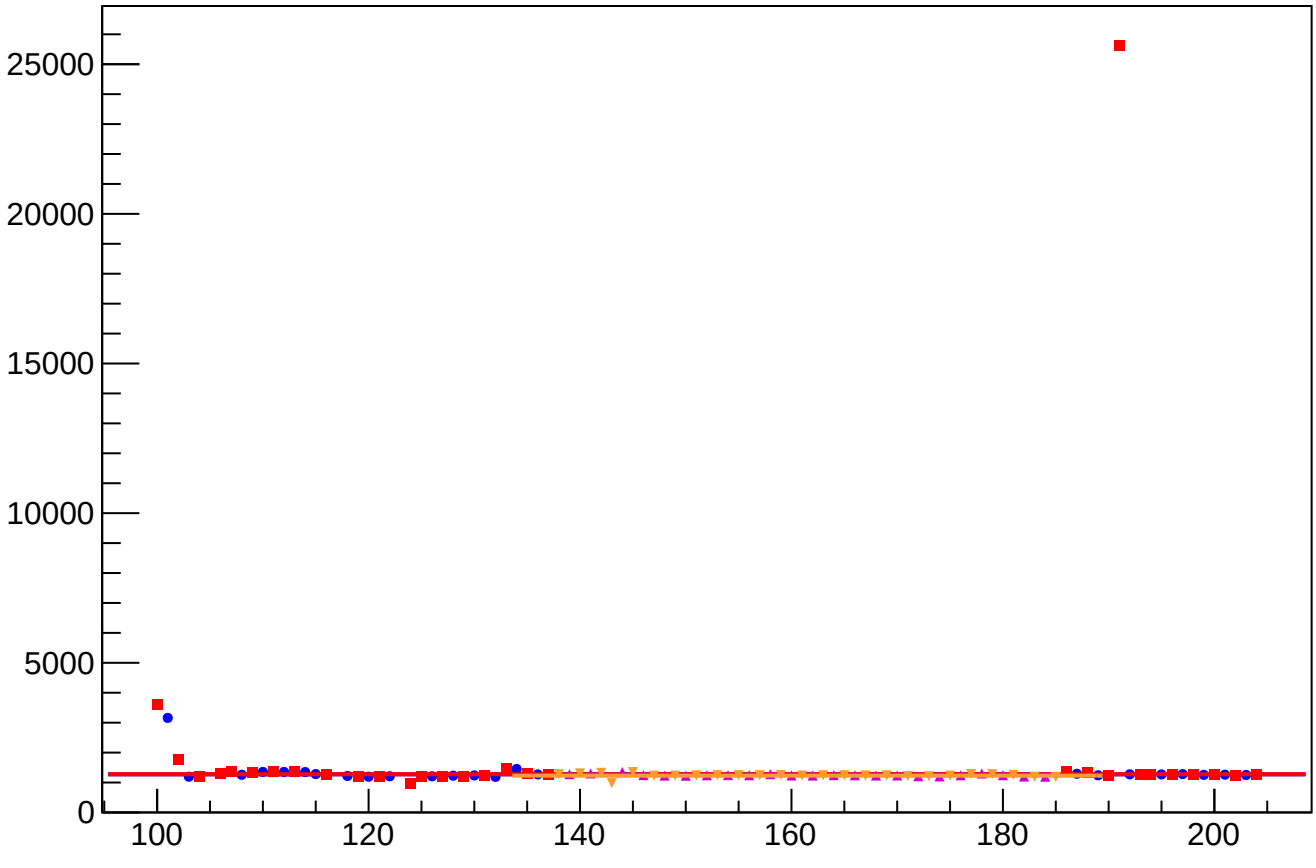
Left: -166.417+/-201.890 χ^2/NDF: 38.2/47

Right: -175.810+/-241.675 χ^2/NDF: 51.4/53

In: 104.464+/-224.945 χ^2/NDF:35.1/46

Out: -418.289+/-213.723 χ^2/NDF:51.7/54

All: -170.278+/-154.940 χ^2/NDF: 89.6/101



Right In: 1273.420+/-0.250 χ^2/NDF: 509496.5/23

Left Out: 1229.986+/-0.198 χ^2/NDF:141606.6/24

Right Out: 1276.606+/-0.234 χ^2/NDF: 370182.9/29

Left In: 1247.785+/-0.206 χ^2/NDF:27340.7/22

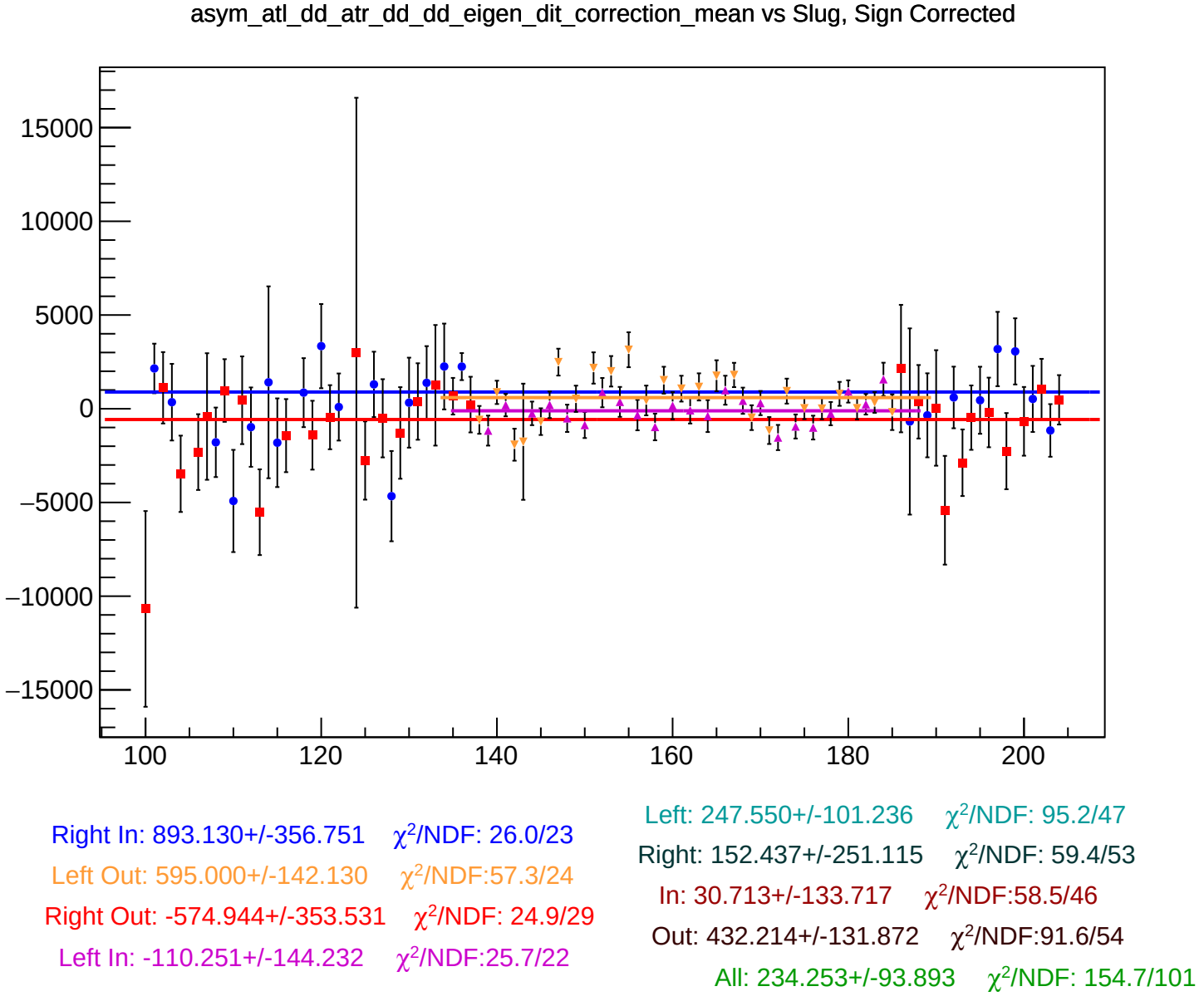
Left: 1238.526+/-0.143 χ^2/NDF: 172827.1/47

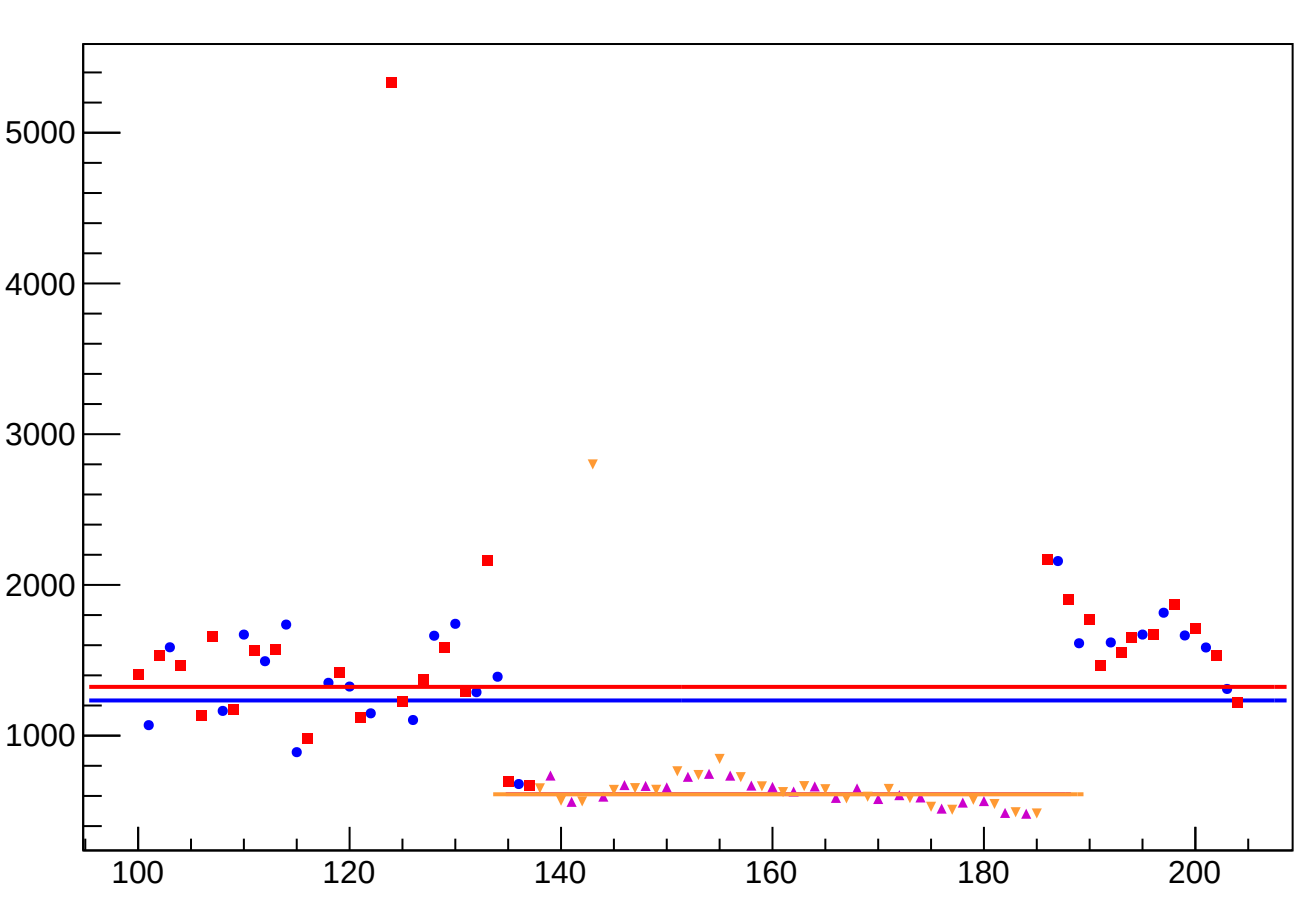
Right: 1275.119+/-0.171 χ^2/NDF: 879765.9/53

In: 1258.150+/-0.159 χ^2/NDF:543093.2/46

Out: 1249.429+/-0.151 χ^2/NDF:534925.6/54

All: 1253.567+/-0.110 χ^2/NDF: 1079598.7/10


asym_atl_dd_atr_dd_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
100
120
140
160
180
200
Right In: 893.130+/-356.751 χ²/NDF: 26.0/23
Left Out: 595.000+/-142.130 χ²/NDF:57.3/24
Right Out: -574.944+/-353.531 χ²/NDF: 24.9/29
Left In: -110.251+/-144.232 χ²/NDF:25.7/22
Left: 247.550+/-101.236 χ²/NDF: 95.2/47
Right: 152.437+/-251.115 χ²/NDF: 59.4/53
In: 30.713+/-133.717 χ²/NDF:58.5/46
Out: 432.214+/-131.872 χ²/NDF:91.6/54
All: 234.253+/-93.893 χ²/NDF: 154.7/101



Right In: 1233.461+/-0.252 χ^2/NDF: 2342123.7/23

Left Out: 611.086+/-0.101 χ^2/NDF:1619319.5/24

Right Out: 1323.530+/-0.250 χ^2/NDF: 2574331.0/29

Left In: 612.398+/-0.102 χ^2/NDF:508597.7/22

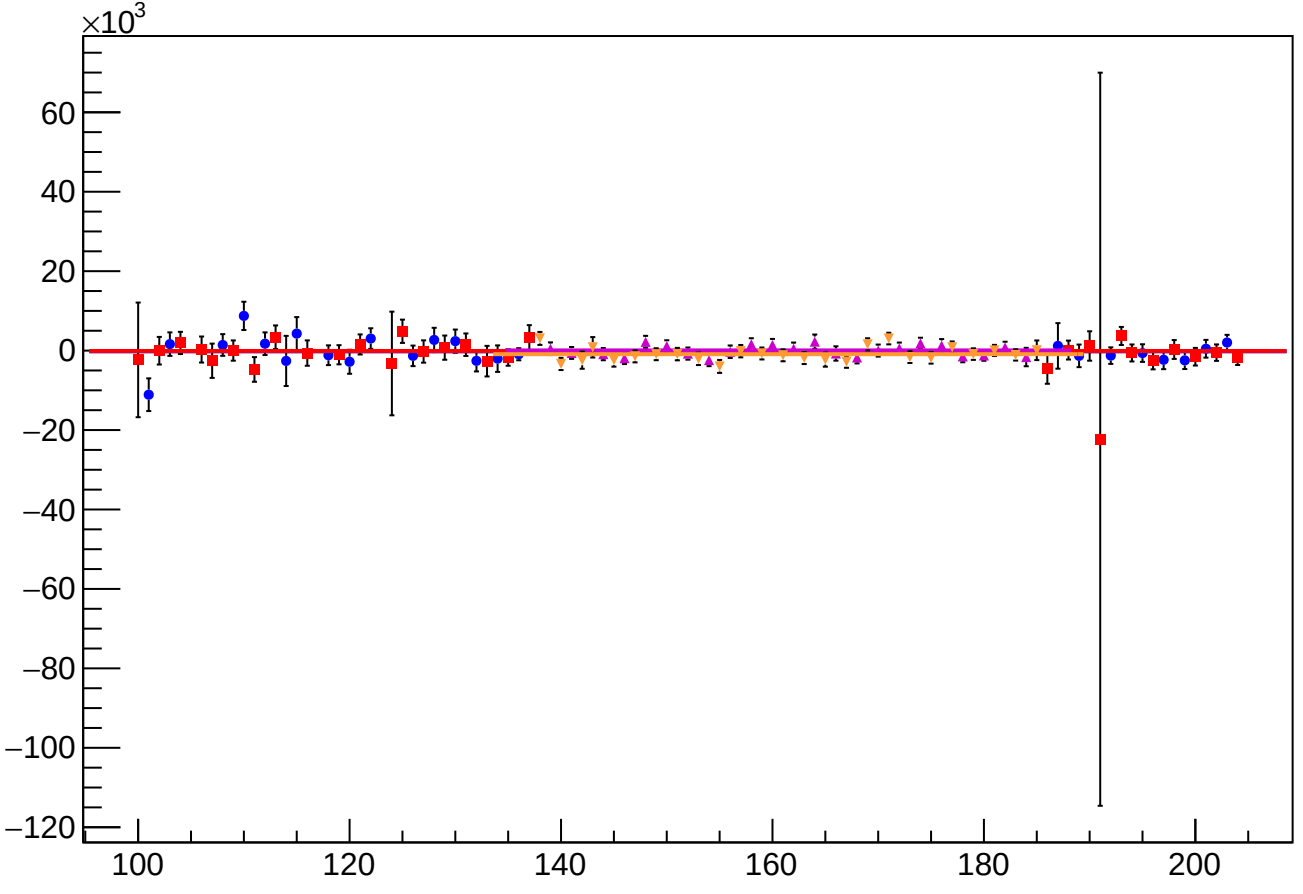
Left: 611.733+/-0.072 χ^2/NDF: 2128001.1/47

Right: 1278.904+/-0.178 χ^2/NDF: 4980773.4/53

In: 699.651+/-0.095 χ^2/NDF:8060522.9/46

Out: 710.216+/-0.093 χ^2/NDF:11185769.1/54

All: 705.007+/-0.066 χ^2/NDF: 19252620.9/10



Right In: -180.572+/-535.214 χ^2/NDF: 25.3/23

Left Out: -899.894+/-316.449 χ^2/NDF:29.8/24

Right Out: -103.218+/-509.365 χ^2/NDF: 17.2/29

Left In: 48.178+/-320.929 χ^2/NDF:17.9/22

Left: -432.522+/-225.330 χ^2/NDF: 52.1/47

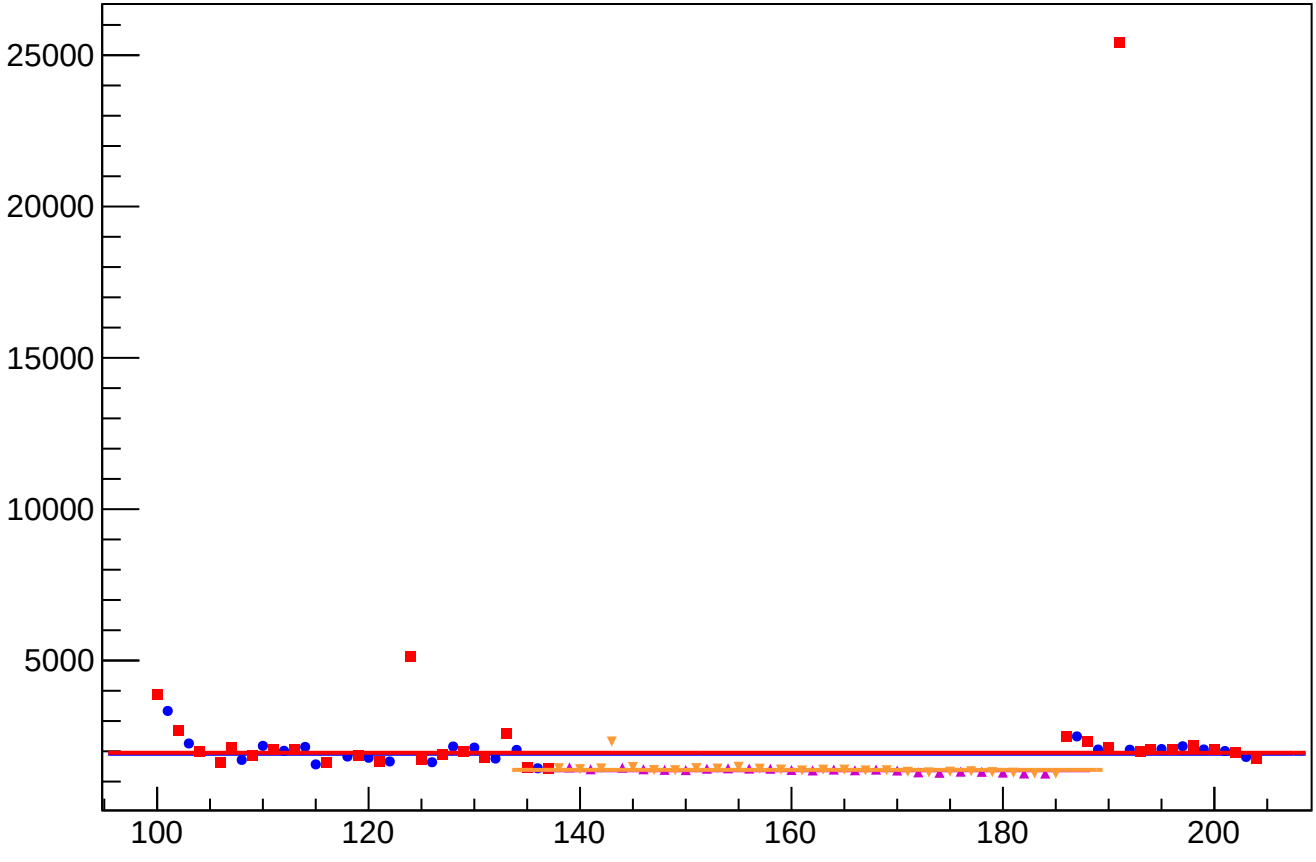
Right: -139.982+/-368.975 χ^2/NDF: 42.4/53

In: -12.319+/-275.239 χ^2/NDF:43.3/46

Out: -678.035+/-268.799 χ^2/NDF:48.7/54

All: -353.057+/-192.306 χ^2/NDF: 95.0/101

asym_atl_dd_atr_dd_dd_rms vs Slug, Sign Corrected



Right In: 1918.364+/-0.378 χ^2/NDF: 665286.0/23

Left Out: 1386.845+/-0.224 χ^2/NDF:339794.5/24

Right Out: 1951.348+/-0.360 χ^2/NDF: 836306.3/29

Left In: 1373.217+/-0.227 χ^2/NDF:64467.6/22

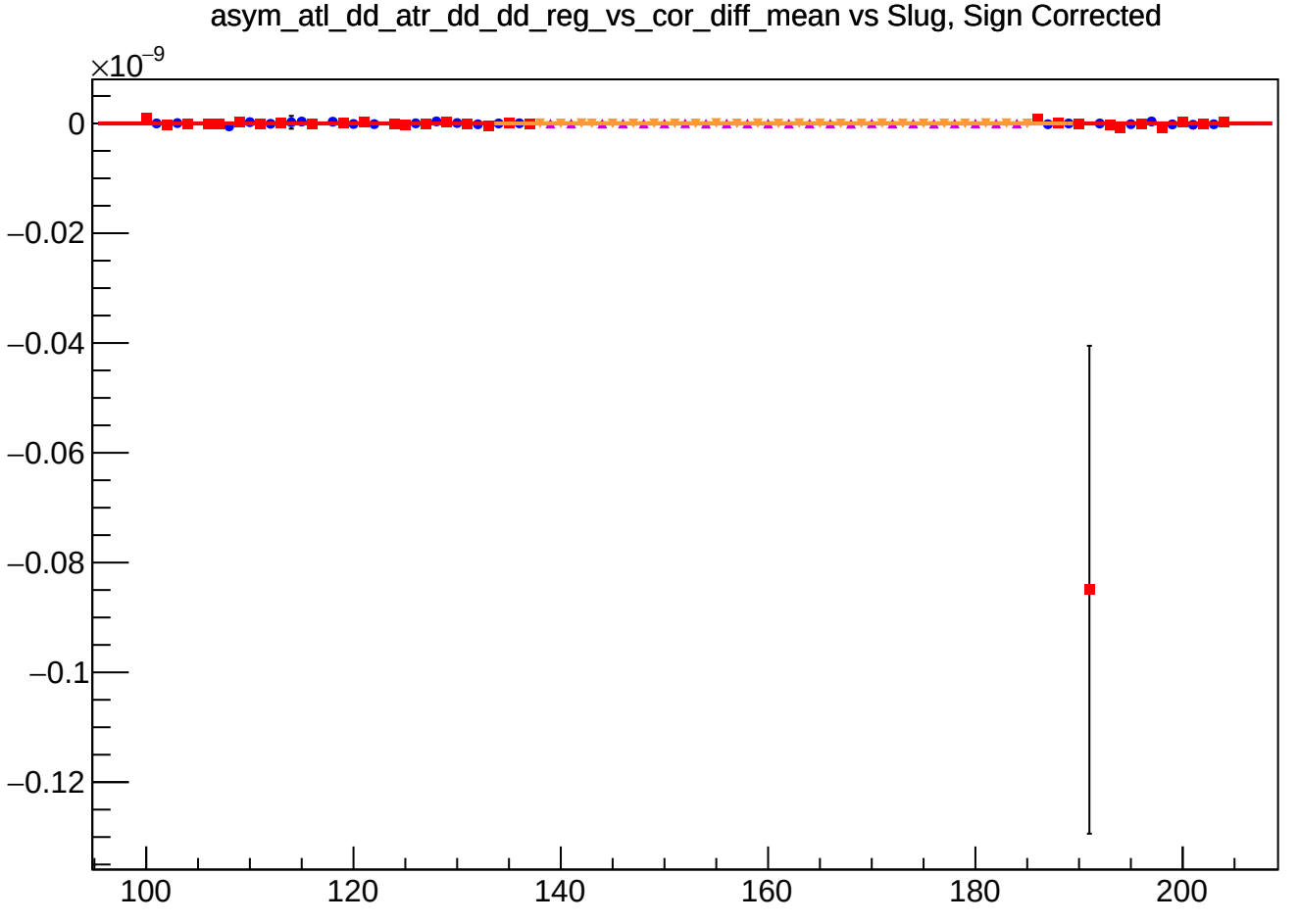
Left: 1380.126+/-0.159 χ^2/NDF: 406090.7/47

Right: 1935.672+/-0.261 χ^2/NDF: 1505578.2/53

In: 1517.389+/-0.195 χ^2/NDF:2255941.3/46

Out: 1544.050+/-0.190 χ^2/NDF:2948478.7/54

All: 1531.035+/-0.136 χ^2/NDF: 5214024.9/10



Right In: 0.000+/-0.000 χ^2/NDF: 21.6/23

Left Out: 0.000+/-0.000 χ^2/NDF:24.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 45.8/29

Left In: 0.000+/-0.000 χ^2/NDF:13.5/22

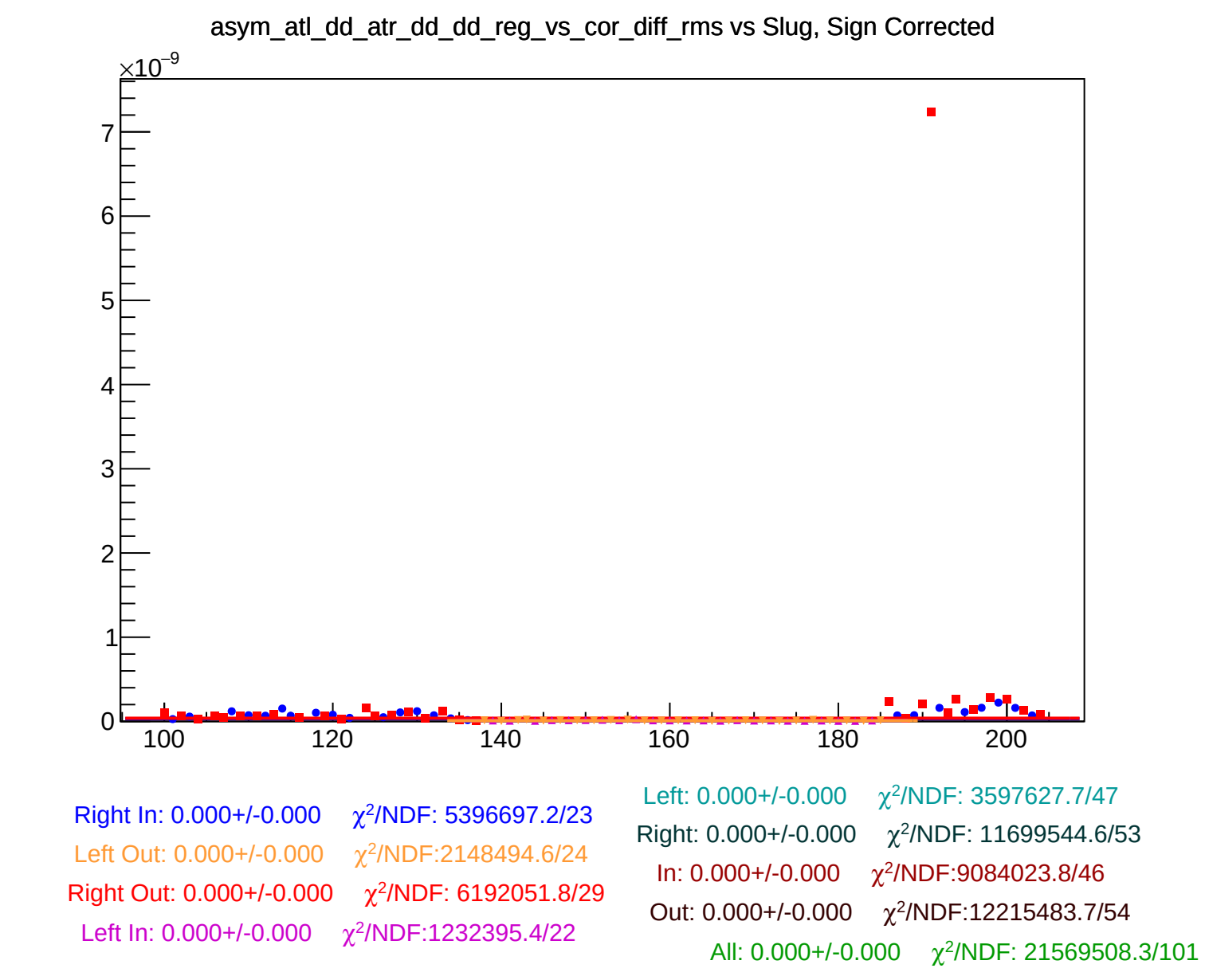
Left: 0.000+/-0.000 χ^2/NDF: 38.4/47

Right: -0.000+/-0.000 χ^2/NDF: 68.8/53

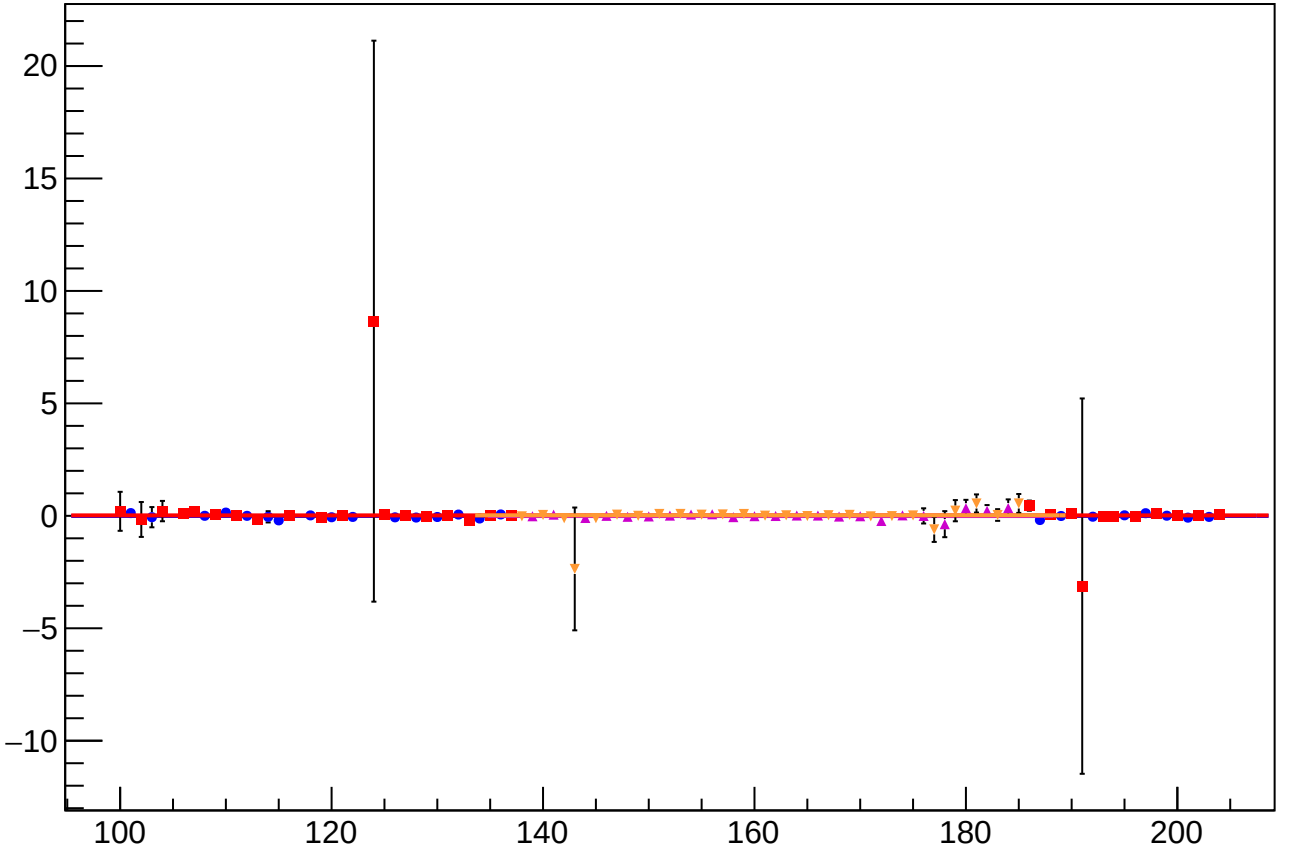
In: 0.000+/-0.000 χ^2/NDF:35.5/46

Out: 0.000+/-0.000 χ^2/NDF:71.7/54

All: 0.000+/-0.000 χ^2/NDF: 107.2/101


asym_atl_dd_atr_dd_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
7
6
5
4
3
2
1
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 5396697.2/23
Left Out: 0.000+/-0.000 χ²/NDF:2148494.6/24
Right Out: 0.000+/-0.000 χ²/NDF: 6192051.8/29
Left In: 0.000+/-0.000 χ²/NDF:1232395.4/22
Left: 0.000+/-0.000 χ²/NDF: 3597627.7/47
Right: 0.000+/-0.000 χ²/NDF: 11699544.6/53
In: 0.000+/-0.000 χ²/NDF:9084023.8/46
Out: 0.000+/-0.000 χ²/NDF:12215483.7/54
All: 0.000+/-0.000 χ²/NDF: 21569508.3/101

asym_atl_dd_atr_dd_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.006+/-0.012 χ^2/NDF: 27.9/23

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: 0.020+/-0.012 χ^2/NDF: 22.0/29

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

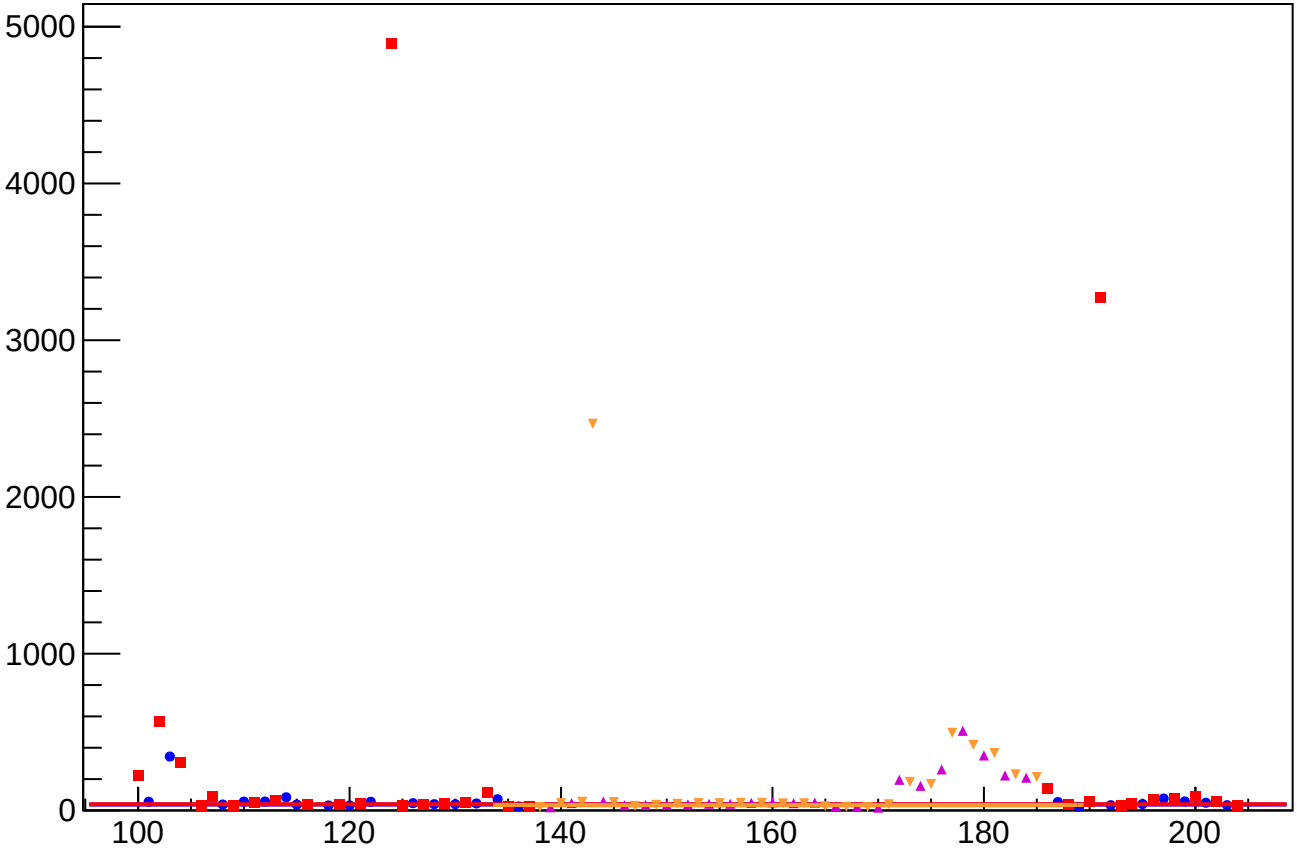
Right: 0.007+/-0.009 χ^2/NDF: 52.2/53

In: -0.008+/-0.008 χ^2/NDF:42.8/46

Out: 0.022+/-0.008 χ^2/NDF:44.9/54

All: 0.007+/-0.005 χ^2/NDF: 95.2/101

asym_atl_dd_atr_dd_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.724+/-0.008 χ^2/NDF: 2984504.0/23

Left Out: 34.624+/-0.007 χ^2/NDF:11402451.4/24

Right Out: 39.592+/-0.009 χ^2/NDF: 5591023.5/29

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

Left: 34.094+/-0.005 χ^2/NDF: 21480396.5/47

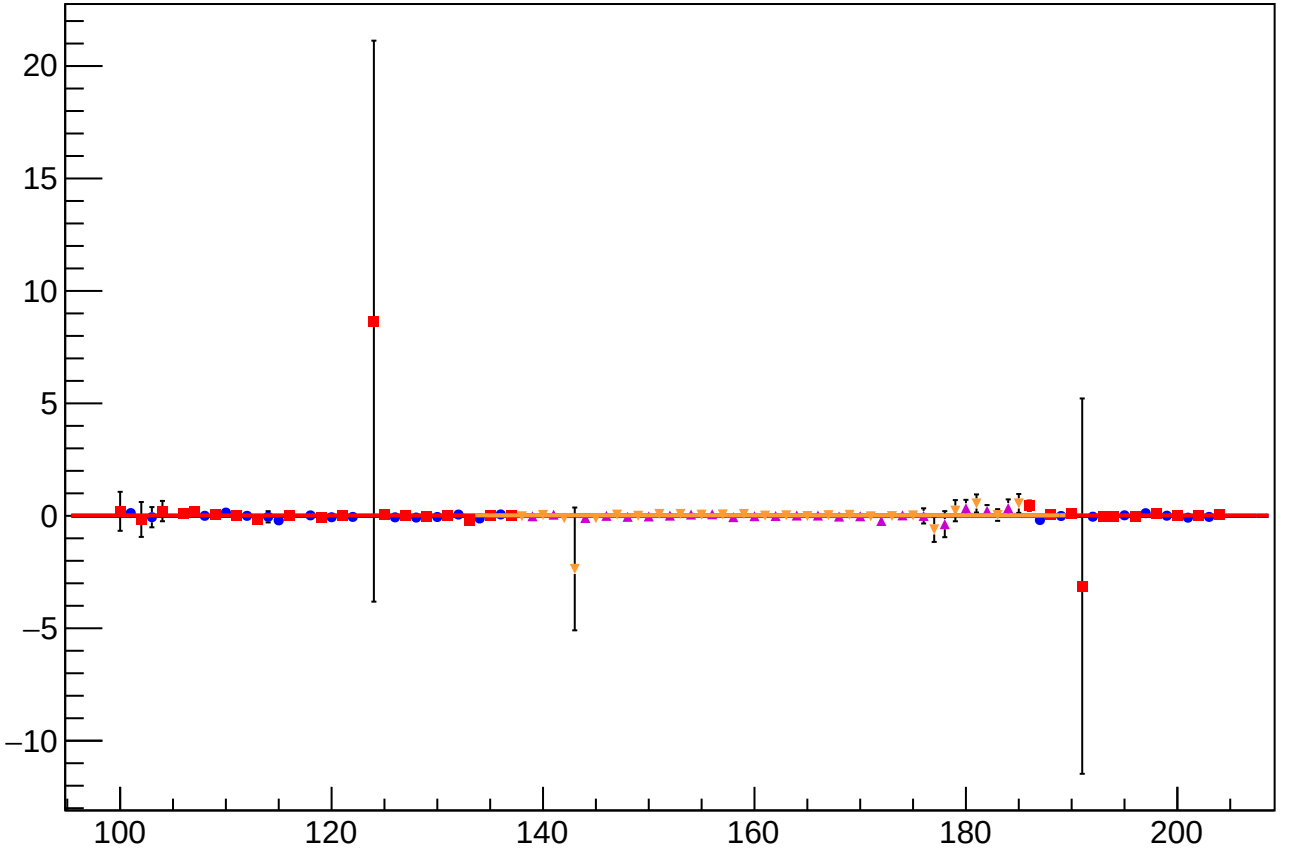
Right: 38.646+/-0.006 χ^2/NDF: 8599556.4/53

In: 35.277+/-0.005 χ^2/NDF:13192874.6/46

Out: 36.684+/-0.006 χ^2/NDF:17190023.9/54

All: 35.966+/-0.004 χ^2/NDF: 30416012.0/101

asym_atl_dd_atr_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.006+/-0.012 χ^2/NDF: 27.9/23

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: 0.020+/-0.012 χ^2/NDF: 22.0/29

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

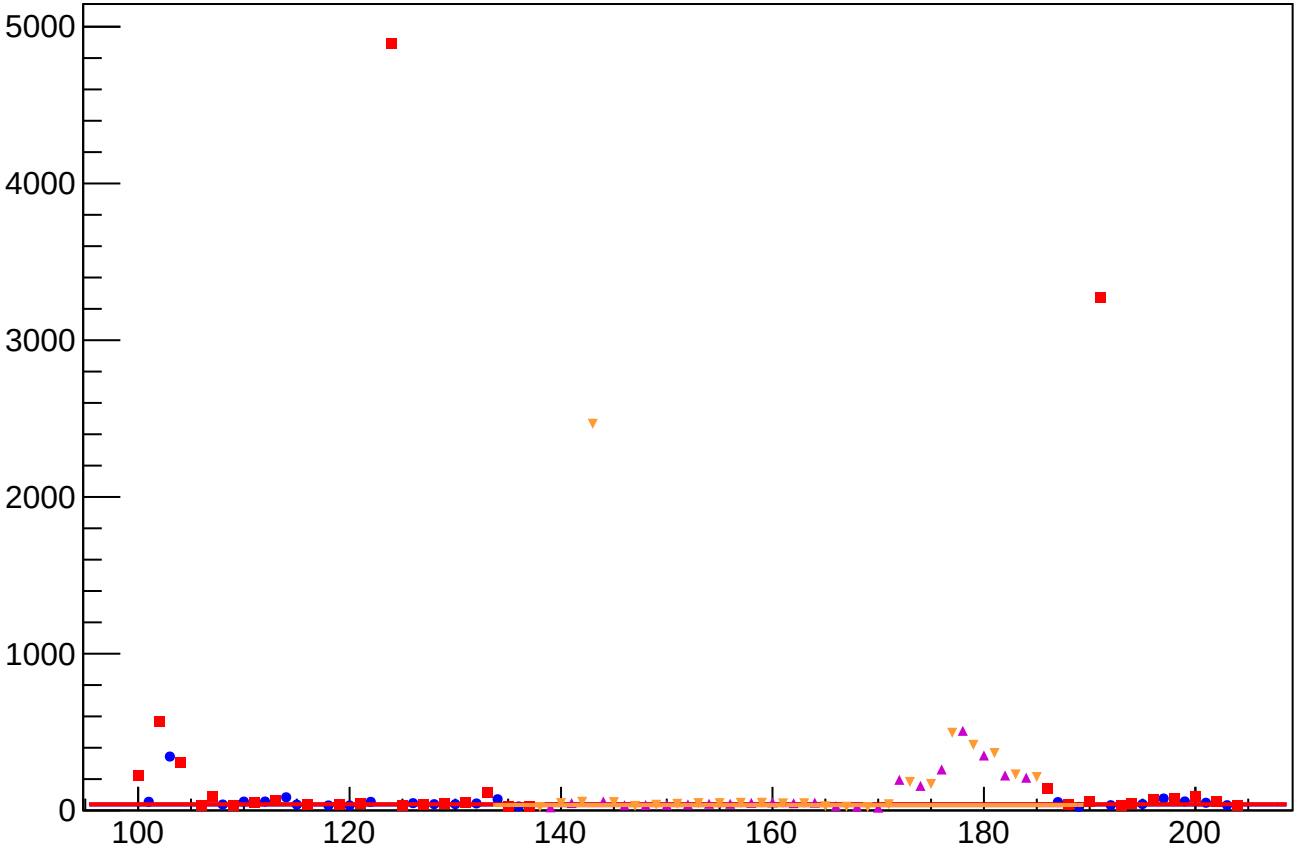
Right: 0.007+/-0.009 χ^2/NDF: 52.2/53

In: -0.008+/-0.008 χ^2/NDF:42.8/46

Out: 0.022+/-0.008 χ^2/NDF:44.9/54

All: 0.007+/-0.005 χ^2/NDF: 95.2/101

asym_atl_dd_atr_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.724+/-0.008 χ^2/NDF: 2984504.0/23

Left Out: 34.624+/-0.007 χ^2/NDF:11402451.4/24

Right Out: 39.592+/-0.009 χ^2/NDF: 5591023.5/29

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

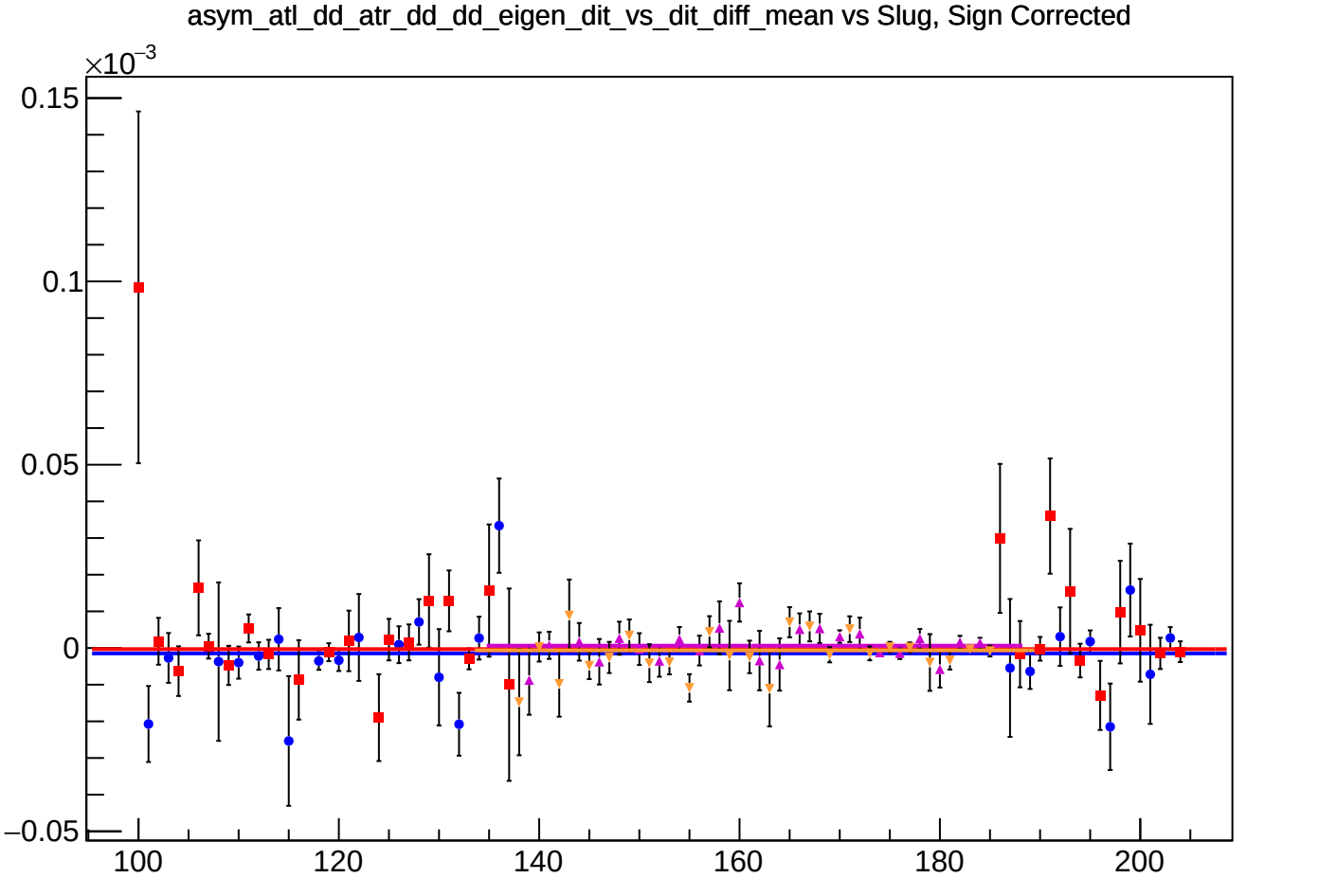
Left: 34.094+/-0.005 χ^2/NDF: 21480396.5/47

Right: 38.646+/-0.006 χ^2/NDF: 8599556.4/53

In: 35.277+/-0.005 χ^2/NDF:13192874.6/46

Out: 36.684+/-0.006 χ^2/NDF:17190023.9/54

All: 35.966+/-0.004 χ^2/NDF: 30416012.0/101



Right In: -0.000+/-0.000 χ^2/NDF: 32.0/23

Left Out: -0.000+/-0.000 χ^2/NDF:28.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 30.4/29

Left In: 0.000+/-0.000 χ^2/NDF:21.9/22

Left: -0.000+/-0.000 χ^2/NDF: 53.2/47

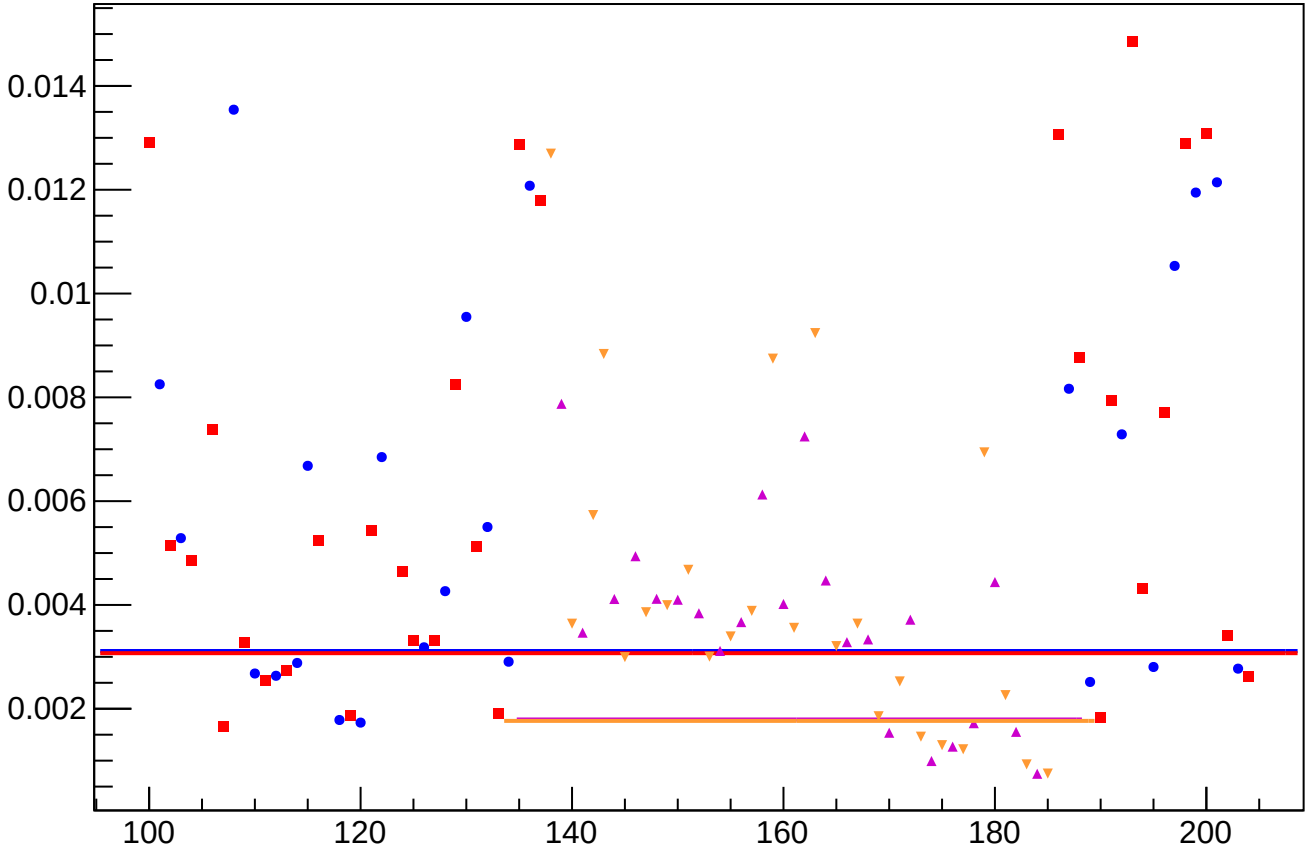
Right: -0.000+/-0.000 χ^2/NDF: 63.0/53

In: 0.000+/-0.000 χ^2/NDF:57.0/46

Out: -0.000+/-0.000 χ^2/NDF:58.8/54

All: -0.000+/-0.000 χ^2/NDF: 117.1/101

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: 7645539.3/23

Left Out: 0.002+/-0.000 χ^2/NDF:12926339.2/24

Right Out: 0.003+/-0.000 χ^2/NDF: 8865729.6/29

Left In: 0.002+/-0.000 χ^2/NDF:10766932.4/22

Left: 0.002+/-0.000 χ^2/NDF: 23695843.2/47

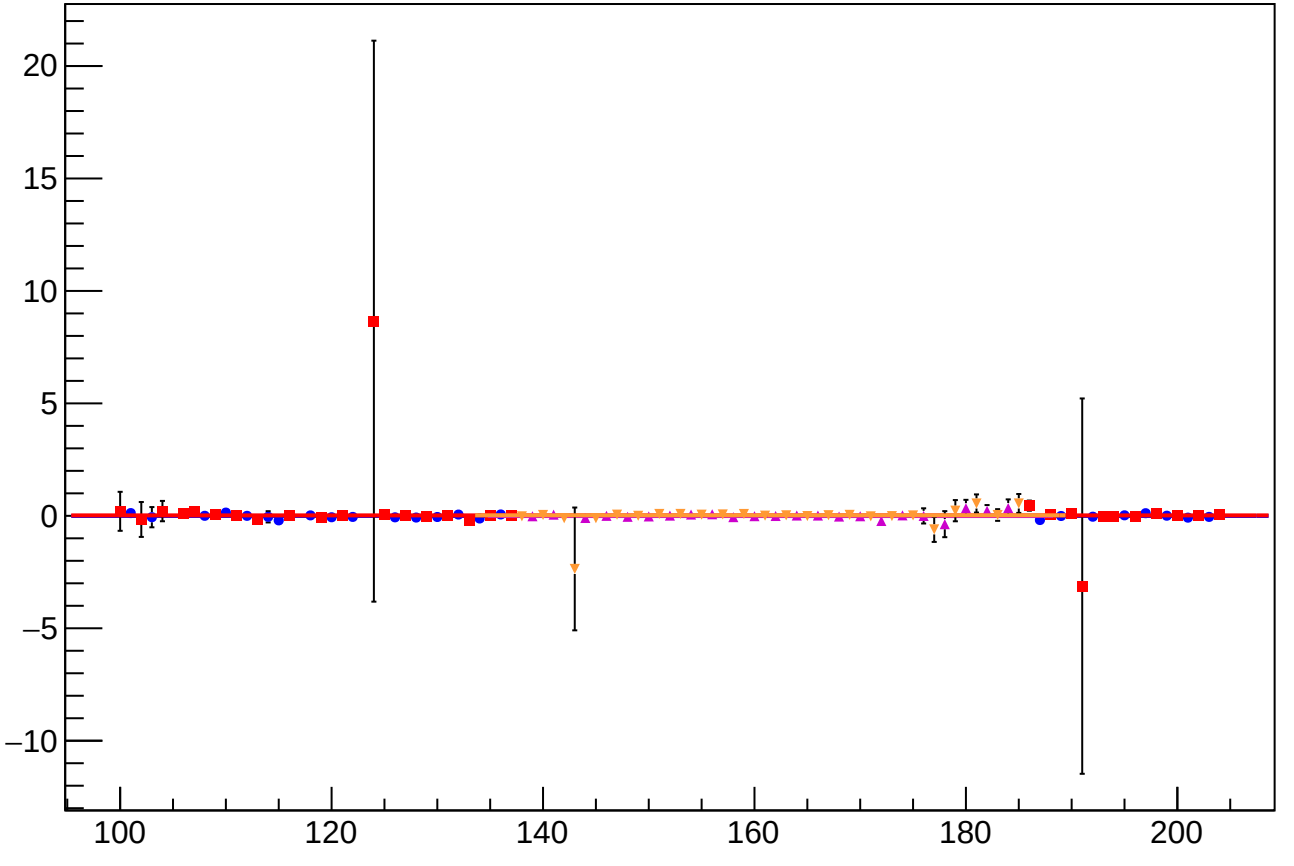
Right: 0.003+/-0.000 χ^2/NDF: 16512975.0/53

In: 0.002+/-0.000 χ^2/NDF:20861511.8/46

Out: 0.002+/-0.000 χ^2/NDF:24680057.2/54

All: 0.002+/-0.000 χ^2/NDF: 45542196.8/101

asym_atl_dd_atr_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.006+/-0.012 χ^2/NDF: 27.9/23

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: 0.020+/-0.012 χ^2/NDF: 22.0/29

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

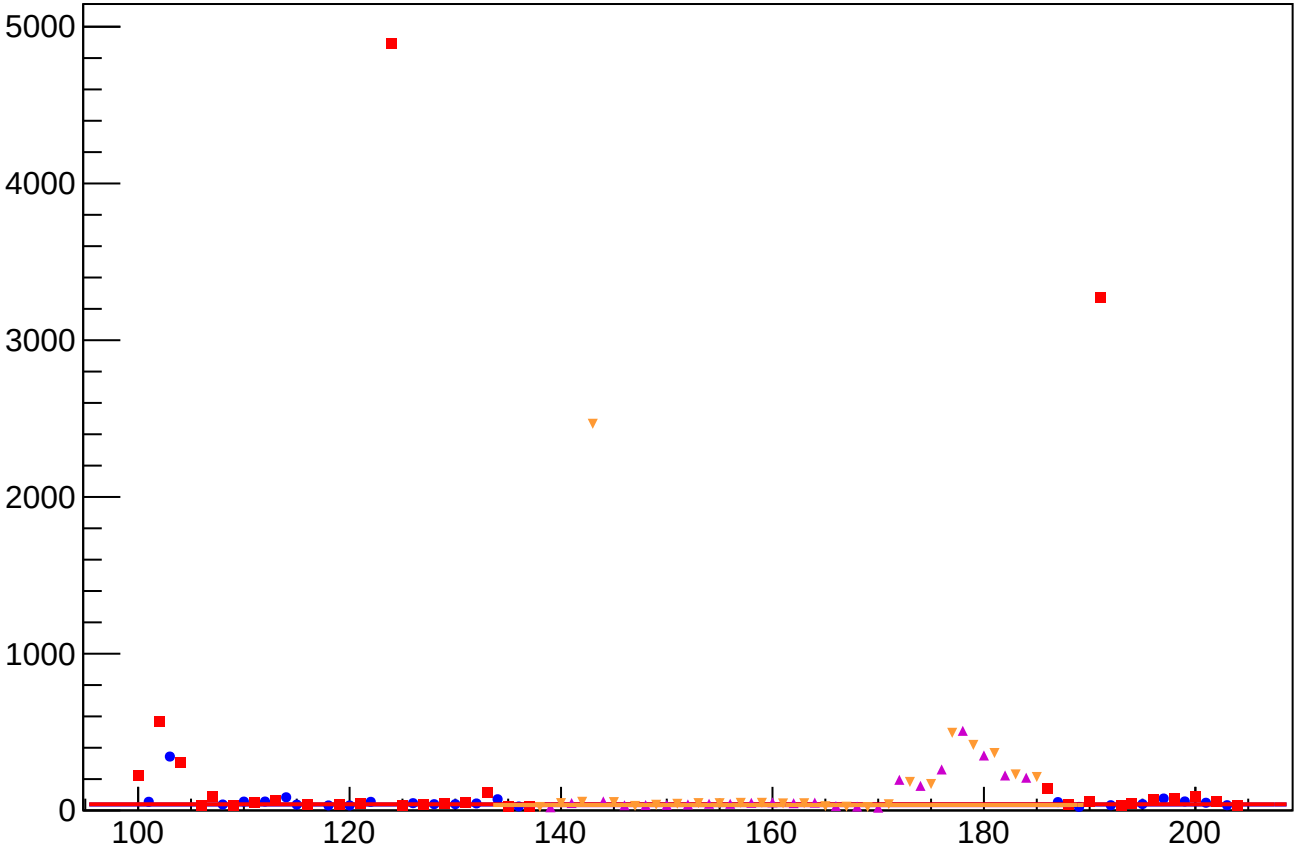
Right: 0.007+/-0.009 χ^2/NDF: 52.2/53

In: -0.008+/-0.008 χ^2/NDF:42.8/46

Out: 0.022+/-0.008 χ^2/NDF:44.9/54

All: 0.007+/-0.005 χ^2/NDF: 95.2/101

asym_atl_dd_atr_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.725+/-0.008 χ^2/NDF: 2983710.2/23

Left Out: 34.623+/-0.007 χ^2/NDF:11402566.2/24

Right Out: 39.592+/-0.009 χ^2/NDF: 5590871.4/29

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

Left: 34.095+/-0.005 χ^2/NDF: 21479175.2/47

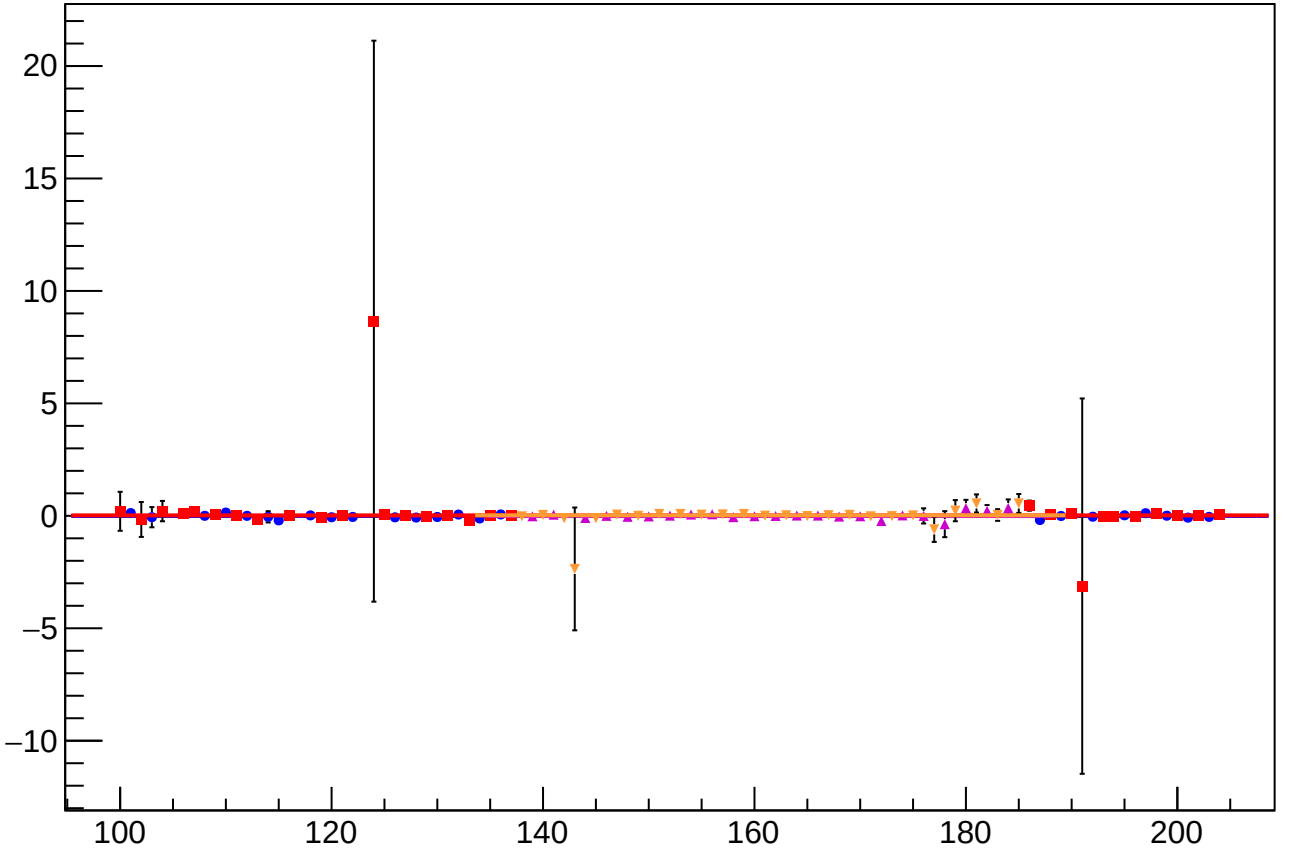
Right: 38.647+/-0.006 χ^2/NDF: 8598577.0/53

In: 35.279+/-0.005 χ^2/NDF:13190762.2/46

Out: 36.683+/-0.006 χ^2/NDF:17190097.0/54

All: 35.967+/-0.004 χ^2/NDF: 30413853.9/101

asym_atl_dd_atr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.006+/-0.012 χ^2/NDF: 27.9/23

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: 0.020+/-0.012 χ^2/NDF: 22.0/29

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

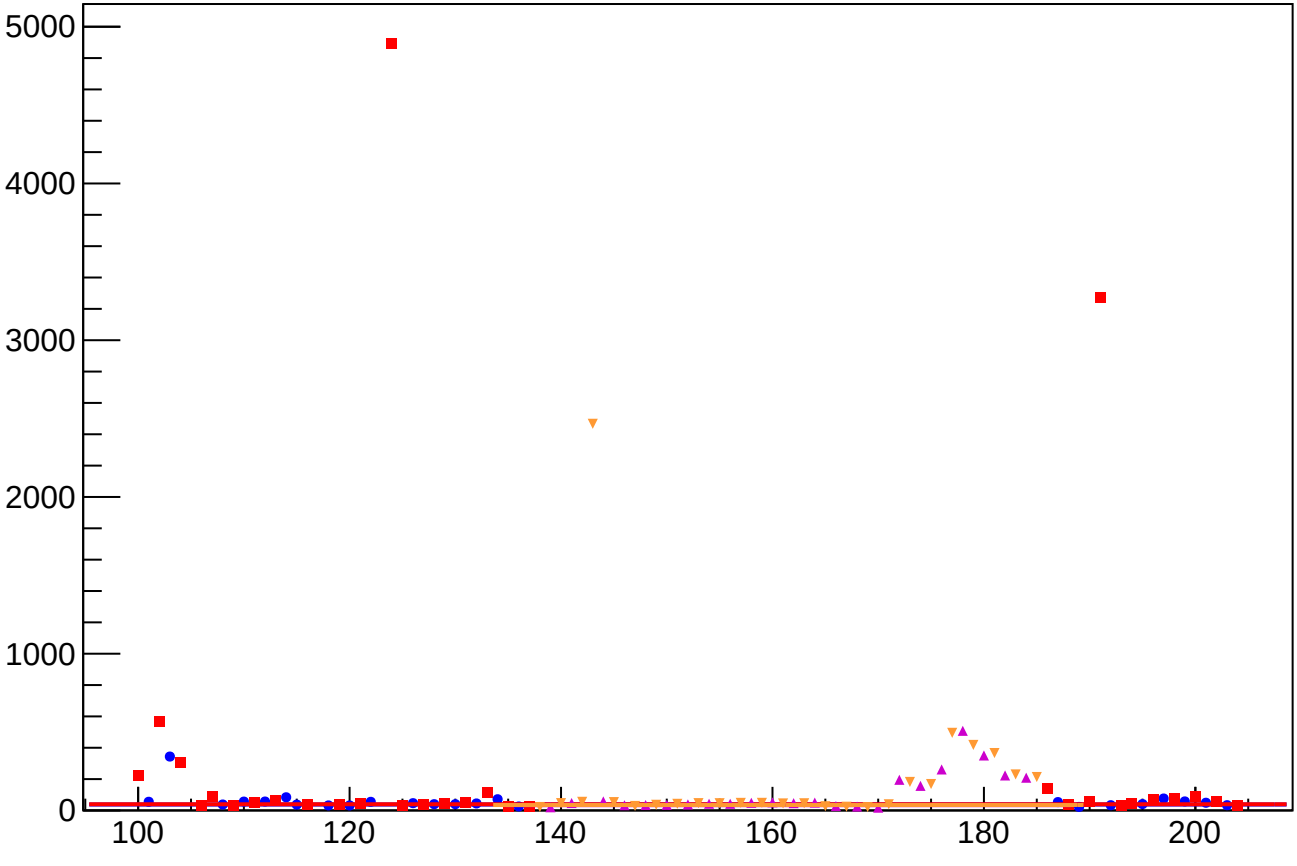
Right: 0.007+/-0.009 χ^2/NDF: 52.2/53

In: -0.008+/-0.008 χ^2/NDF:42.8/46

Out: 0.022+/-0.008 χ^2/NDF:44.9/54

All: 0.007+/-0.005 χ^2/NDF: 95.2/101

asym_atl_dd_atr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.725+/-0.008 χ^2/NDF: 2983710.2/23

Left Out: 34.623+/-0.007 χ^2/NDF:11402566.2/24

Right Out: 39.592+/-0.009 χ^2/NDF: 5590871.4/29

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

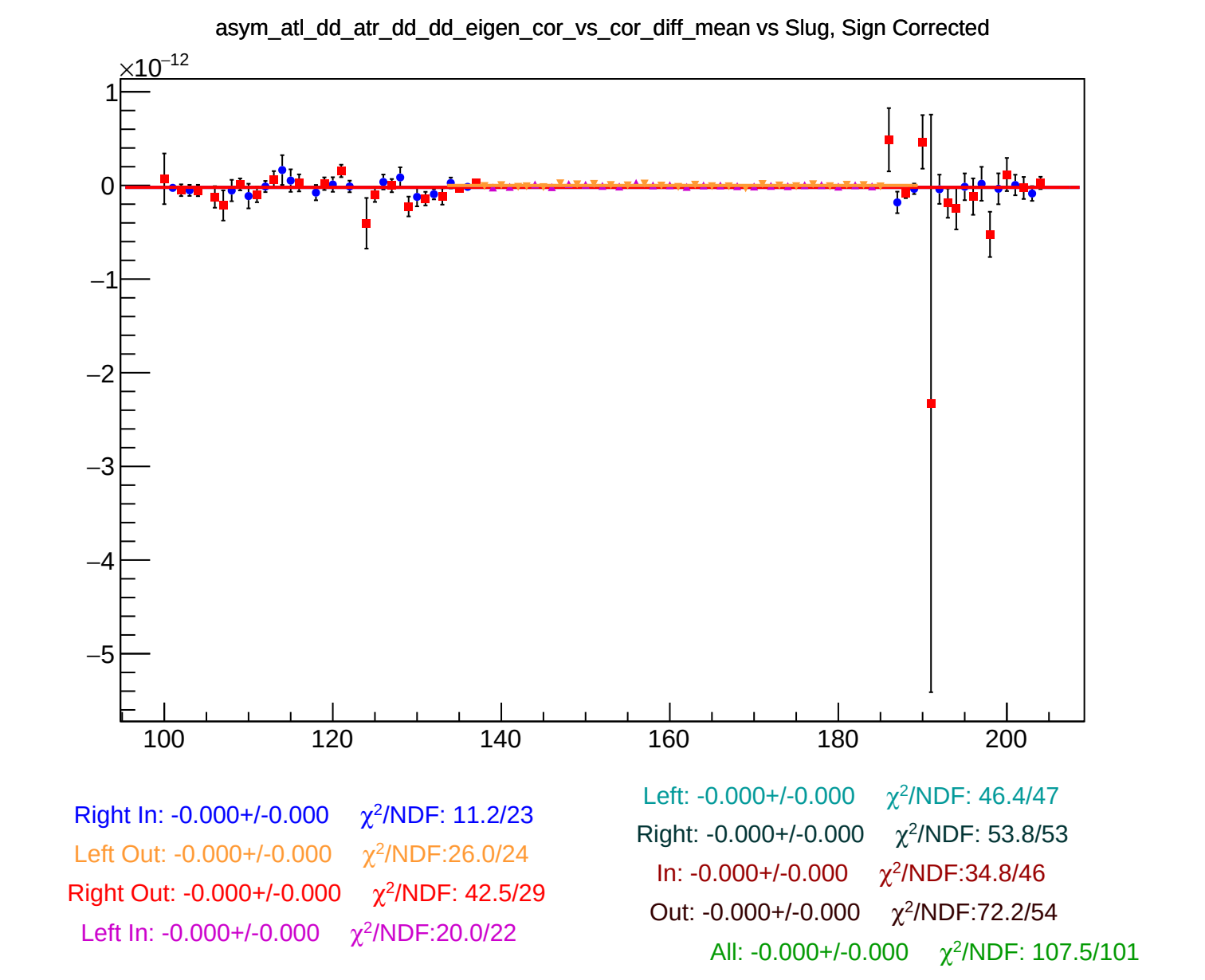
Left: 34.095+/-0.005 χ^2/NDF: 21479175.2/47

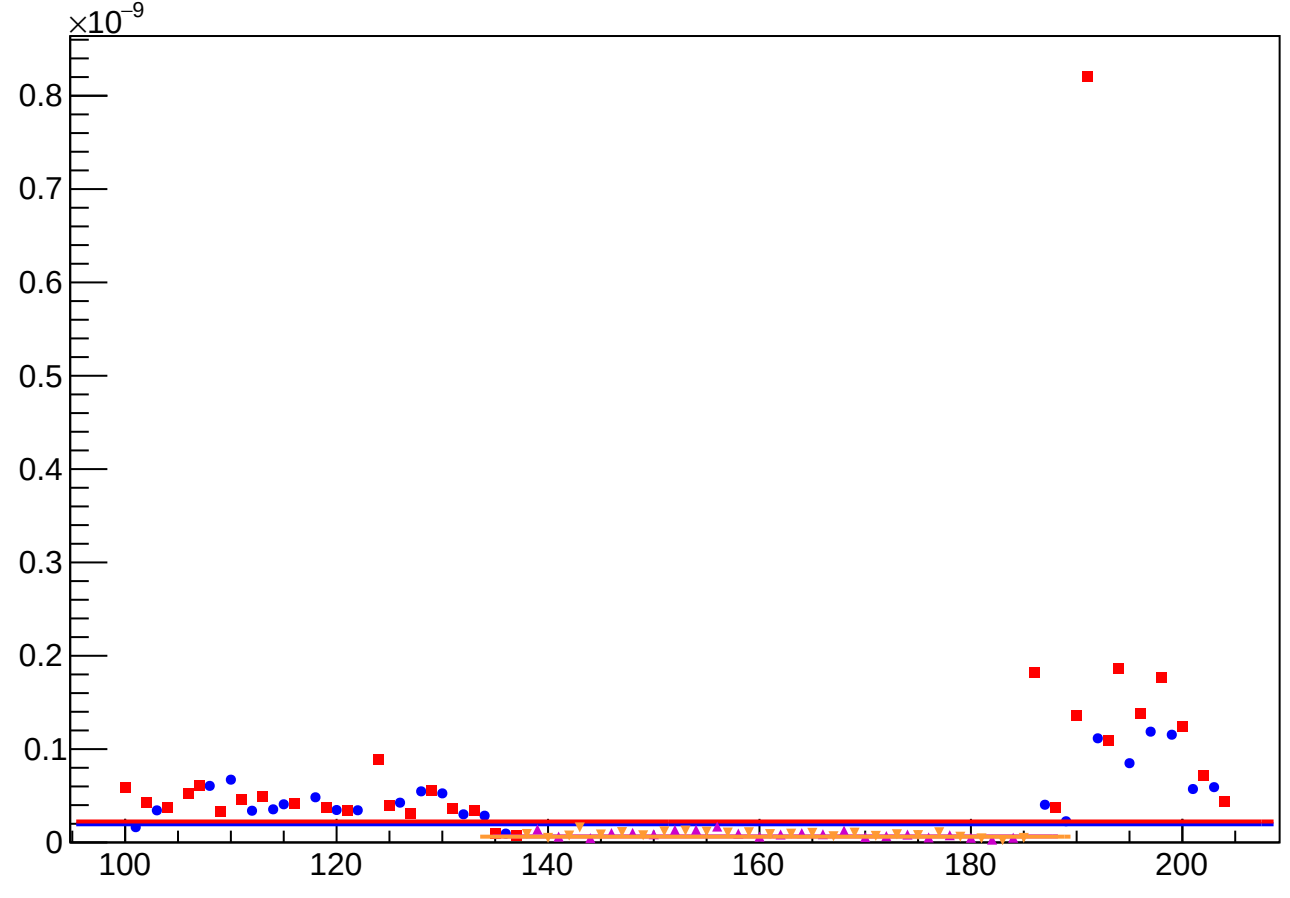
Right: 38.647+/-0.006 χ^2/NDF: 8598577.0/53

In: 35.279+/-0.005 χ^2/NDF:13190762.2/46

Out: 36.683+/-0.006 χ^2/NDF:17190097.0/54

All: 35.967+/-0.004 χ^2/NDF: 30413853.9/101


asym_atl_dd_atr_dd_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1
0
−1
−2
−3
−4
−5
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 11.2/23
Left Out: -0.000+/-0.000 χ²/NDF:26.0/24
Right Out: -0.000+/-0.000 χ²/NDF: 42.5/29
Left In: -0.000+/-0.000 χ²/NDF:20.0/22
Left: -0.000+/-0.000 χ²/NDF: 46.4/47
Right: -0.000+/-0.000 χ²/NDF: 53.8/53
In: -0.000+/-0.000 χ²/NDF:34.8/46
Out: -0.000+/-0.000 χ²/NDF:72.2/54
All: -0.000+/-0.000 χ²/NDF: 107.5/101



Right In: 0.000+/-0.000 χ^2/NDF: 6551772.6/23

Left Out: 0.000+/-0.000 χ^2/NDF:5077918.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9456195.6/29

Left In: 0.000+/-0.000 χ^2/NDF:3998320.2/22

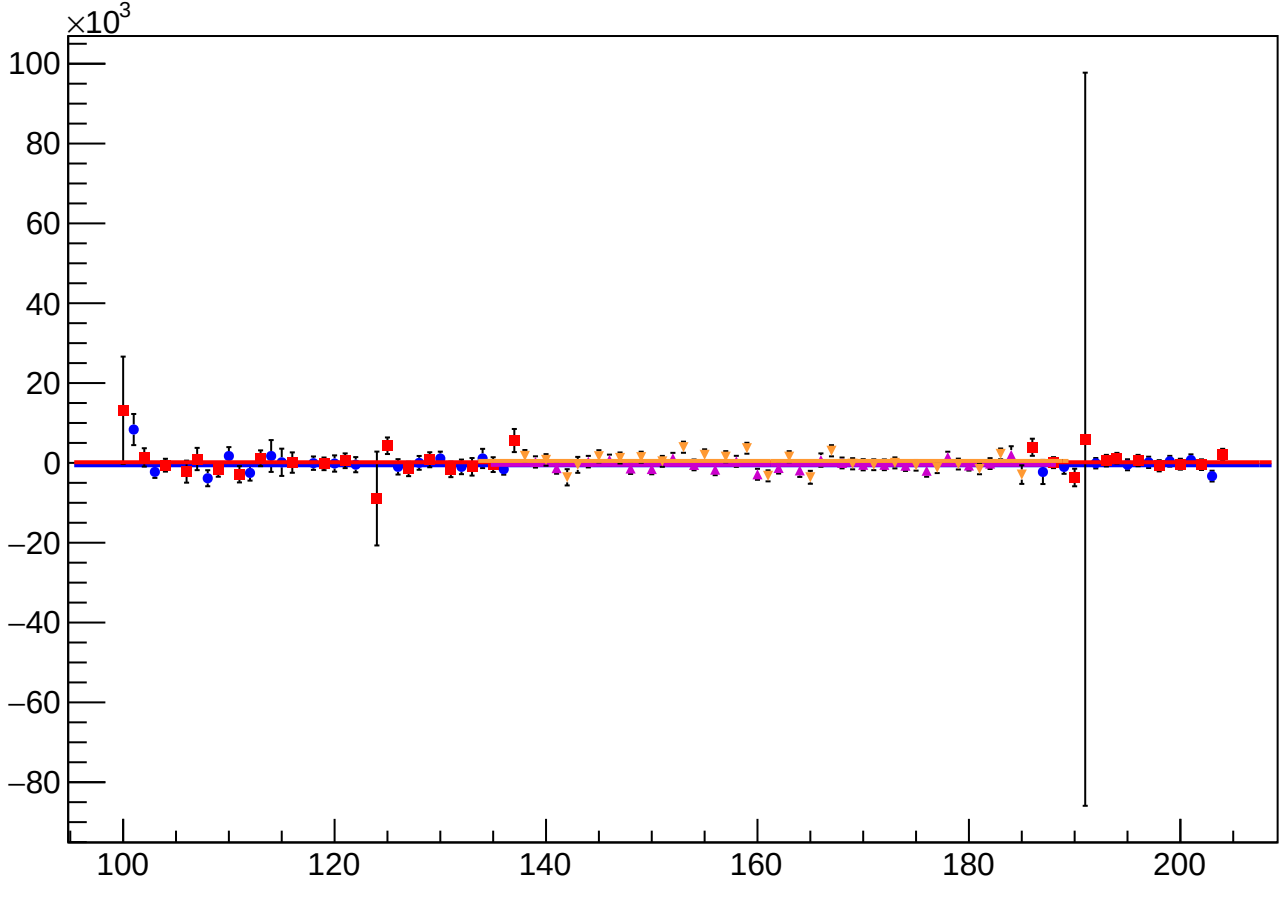
Left: 0.000+/-0.000 χ^2/NDF: 9096603.9/47

Right: 0.000+/-0.000 χ^2/NDF: 16096684.9/53

In: 0.000+/-0.000 χ^2/NDF:14077566.3/46

Out: 0.000+/-0.000 χ^2/NDF:19148722.8/54

All: 0.000+/-0.000 χ^2/NDF: 33251367.1/101



Right In: -598.215+/-357.099 χ^2/NDF: 20.2/23

Left Out: 492.062+/-288.495 χ^2/NDF:46.9/24

Right Out: 157.833+/-336.785 χ^2/NDF: 25.7/29

Left In: -486.821+/-293.769 χ^2/NDF:14.4/22

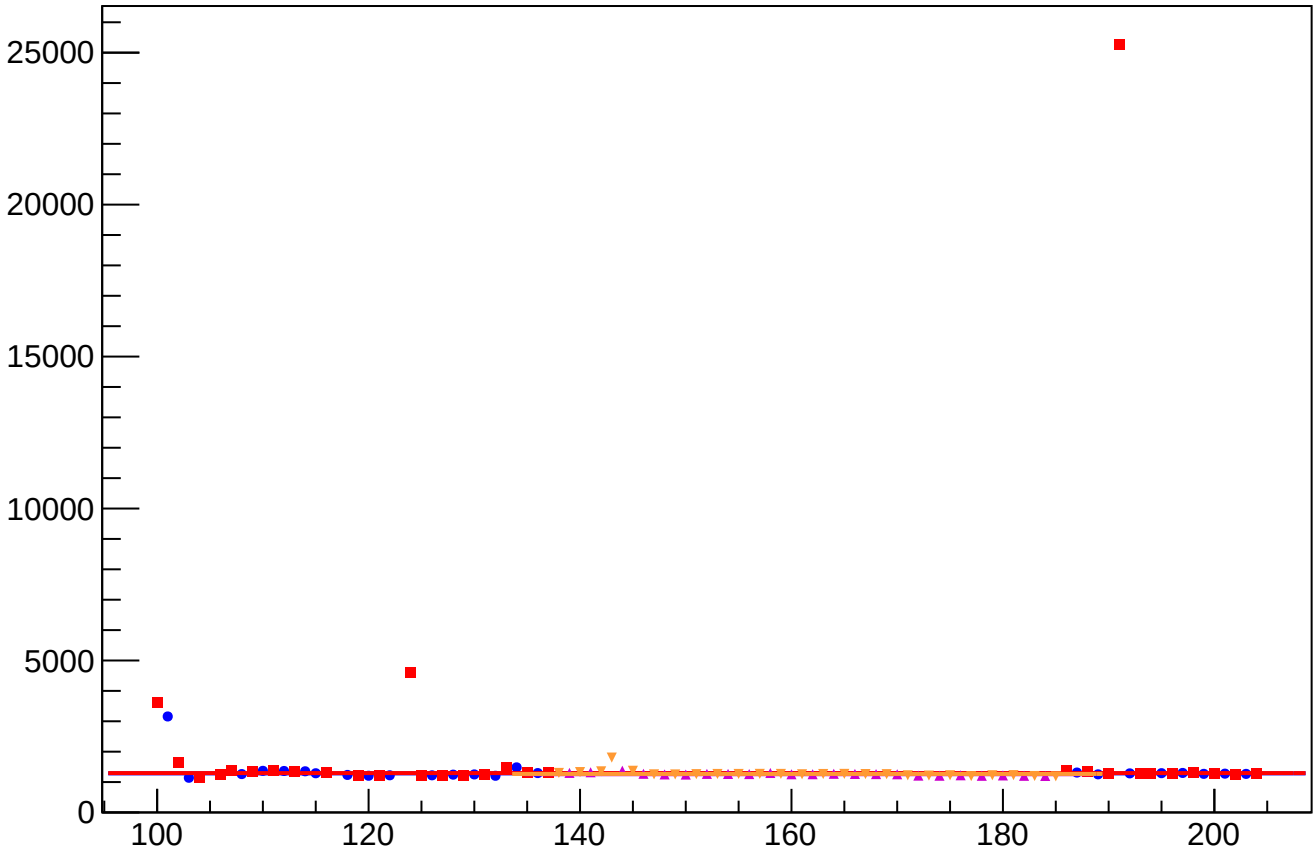
Left: 11.486+/-205.836 χ^2/NDF: 67.0/47

Right: -198.076+/-245.010 χ^2/NDF: 48.3/53

In: -531.781+/-226.866 χ^2/NDF:34.7/46

Out: 350.607+/-219.099 χ^2/NDF:73.2/54

All: -75.223+/-157.601 χ^2/NDF: 115.7/101



Right In: 1285.301+/-0.253 χ^2/NDF: 516525.6/23

Left Out: 1266.967+/-0.204 χ^2/NDF:187545.6/24

Right Out: 1295.521+/-0.238 χ^2/NDF: 468116.8/29

Left In: 1257.551+/-0.208 χ^2/NDF:36816.4/22

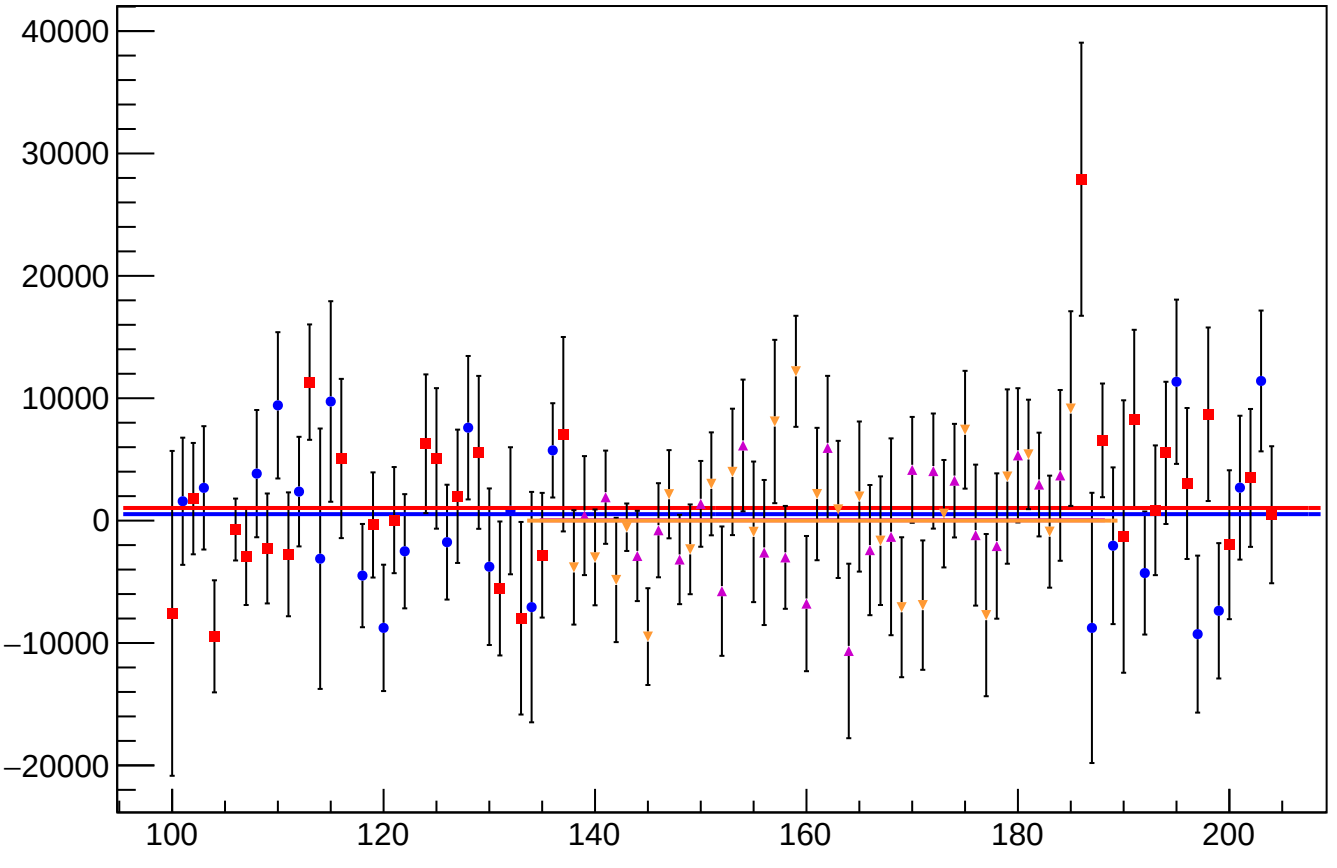
Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

Right: 1290.716+/-0.173 χ^2/NDF: 985510.4/53

In: 1268.751+/-0.160 χ^2/NDF:560544.4/46

Out: 1279.069+/-0.155 χ^2/NDF:663965.9/54

All: 1274.093+/-0.111 χ^2/NDF: 1226652.1/10



Right In: 528.534+/-1132.348 χ^2/NDF: 26.6/23

Left Out: -0.604+/-886.488 χ^2/NDF:29.1/24

Right Out: 1033.051+/-956.478 χ^2/NDF: 29.9/29

Left In: 31.593+/-995.348 χ^2/NDF:14.0/22

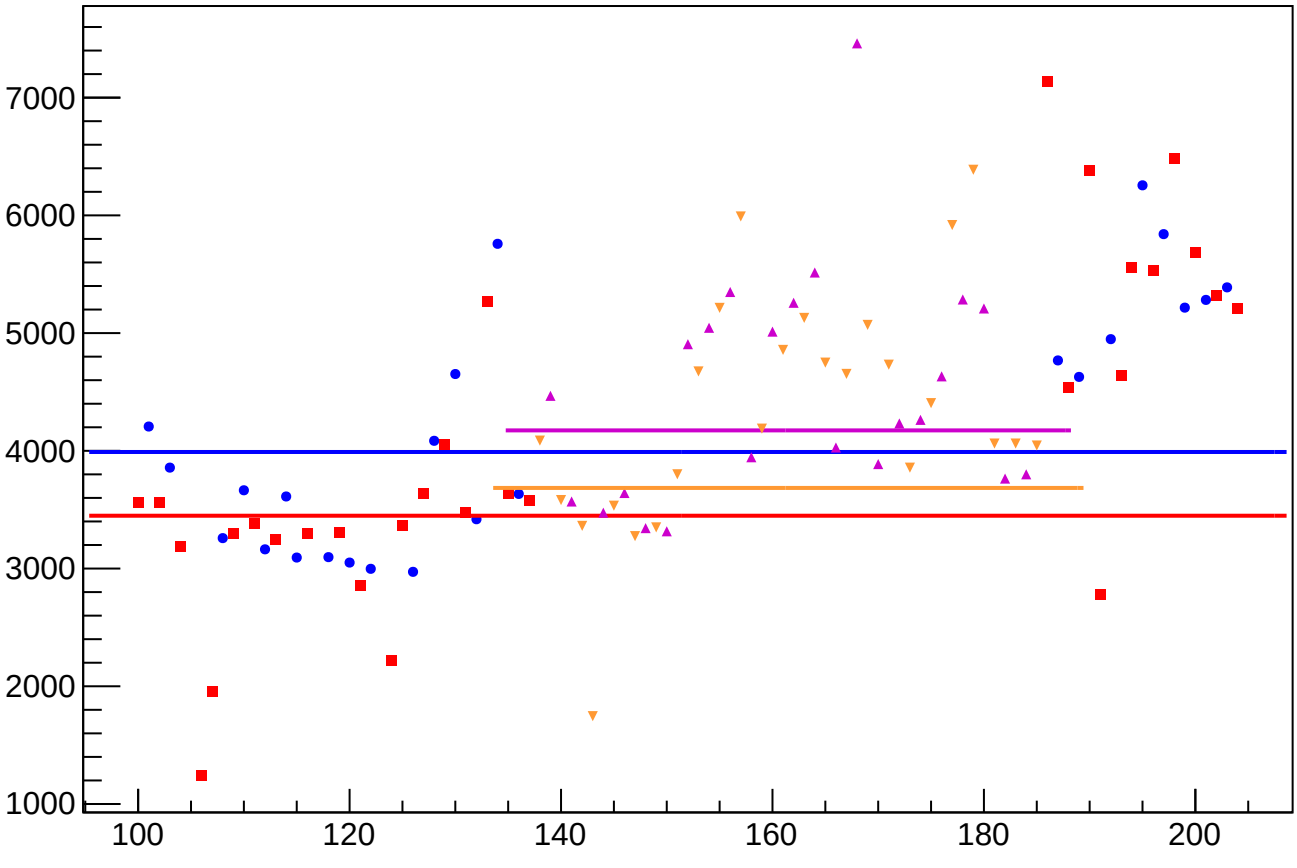
Left: 13.638+/-661.996 χ^2/NDF: 43.1/47

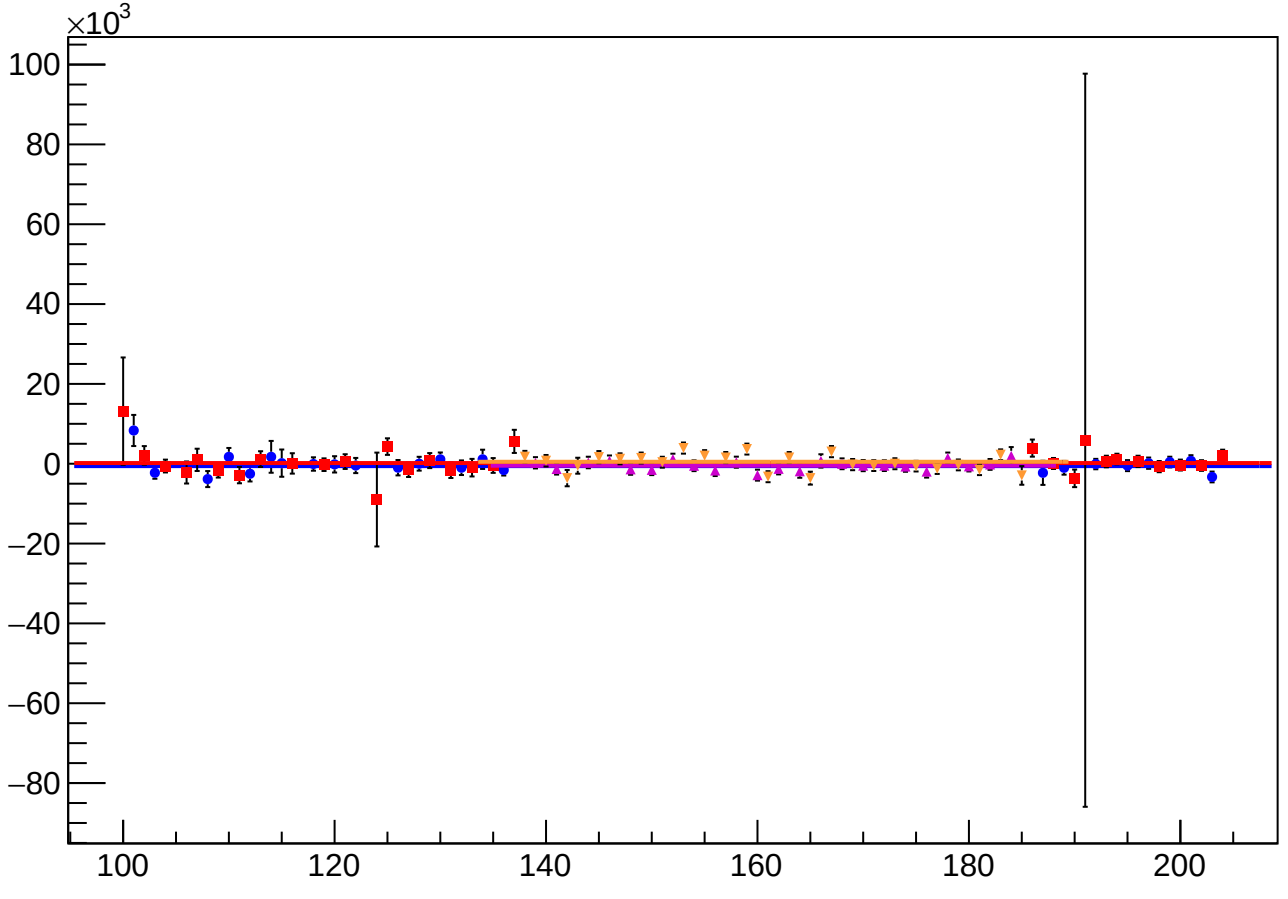
Right: 822.972+/-730.691 χ^2/NDF: 56.6/53

In: 248.198+/-747.587 χ^2/NDF:40.7/46

Out: 477.025+/-650.179 χ^2/NDF:59.6/54

All: 378.481+/-490.595 χ^2/NDF: 100.4/101


asym_at1_avg_at2_avg_dd_reg_correction_rms vs Slug, Sign Corrected
7000
6000
5000
4000
3000
2000
1000
100
120
140
160
180
200
Right In: 3990.167+/-0.801 χ²/NDF: 1429193.0/23
Left Out: 3684.769+/-0.627 χ²/NDF:3693646.6/24
Right Out: 3448.723+/-0.676 χ²/NDF: 4215986.4/29
Left In: 4173.556+/-0.704 χ²/NDF:1274968.4/22
Left: 3900.981+/-0.468 χ²/NDF: 5237573.9/47
Right: 3674.179+/-0.517 χ²/NDF: 5912046.9/53
In: 4093.621+/-0.529 χ²/NDF:2733754.5/46
Out: 3575.697+/-0.460 χ²/NDF:7975155.8/54
All: 3798.740+/-0.347 χ²/NDF: 11255447.4/1



Right In: -598.388+/-357.099 χ^2/NDF: 20.1/23

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: 171.779+/-336.892 χ^2/NDF: 26.1/29

Left In: -486.720+/-293.769 χ^2/NDF:14.4/22

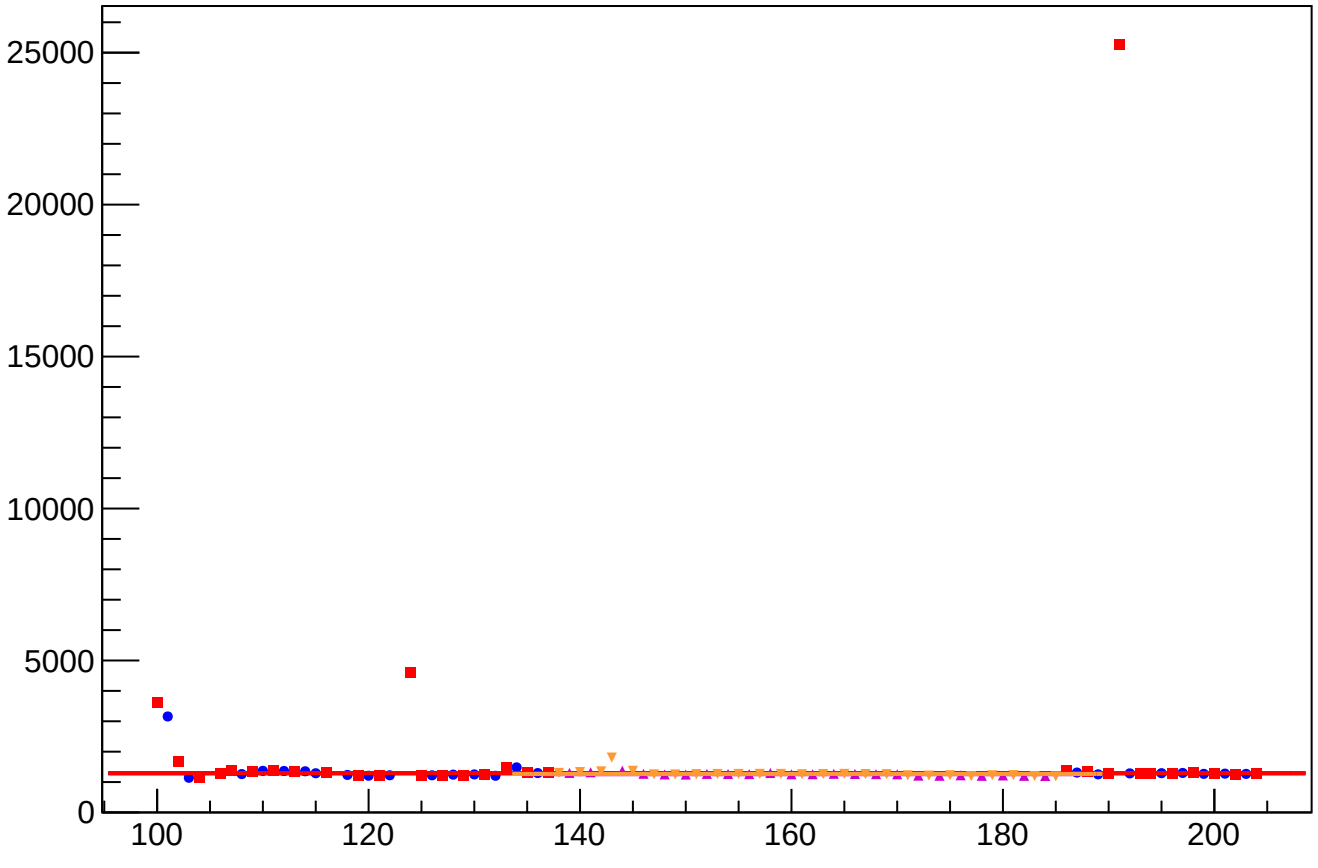
Left: 11.544+/-205.836 χ^2/NDF: 67.0/47

Right: -190.898+/-245.051 χ^2/NDF: 48.8/53

In: -531.791+/-226.866 χ^2/NDF:34.6/46

Out: 356.568+/-219.128 χ^2/NDF:73.6/54

All: -72.202+/-157.612 χ^2/NDF: 116.1/101



Right In: 1285.301+/-0.253 χ^2/NDF: 516527.0/23

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

Right Out: 1296.485+/-0.238 χ^2/NDF: 474774.8/29

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

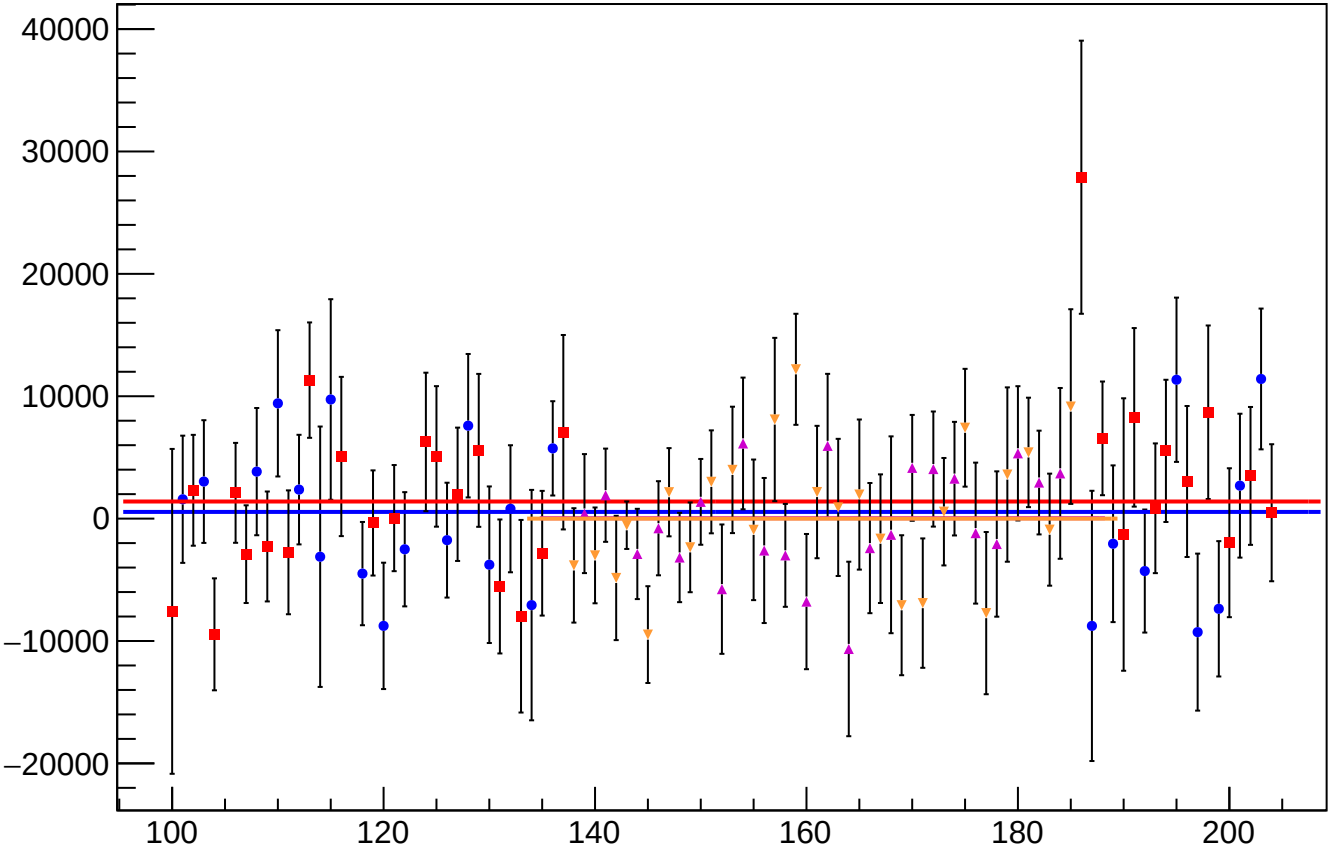
Right: 1291.223+/-0.173 χ^2/NDF: 992340.6/53

In: 1268.751+/-0.160 χ^2/NDF:560545.8/46

Out: 1279.468+/-0.155 χ^2/NDF:671187.1/54

All: 1274.298+/-0.111 χ^2/NDF: 1234042.6/10

asym_at1_avg_at2_avg_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: 547.490+/-1132.064 χ^2/NDF: 26.6/23

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

Right Out: 1398.163+/-1001.314 χ^2/NDF: 29.4/29

Left In: 31.597+/-995.347 χ^2/NDF:14.0/22

Left: 13.675+/-661.996 χ^2/NDF: 43.1/47

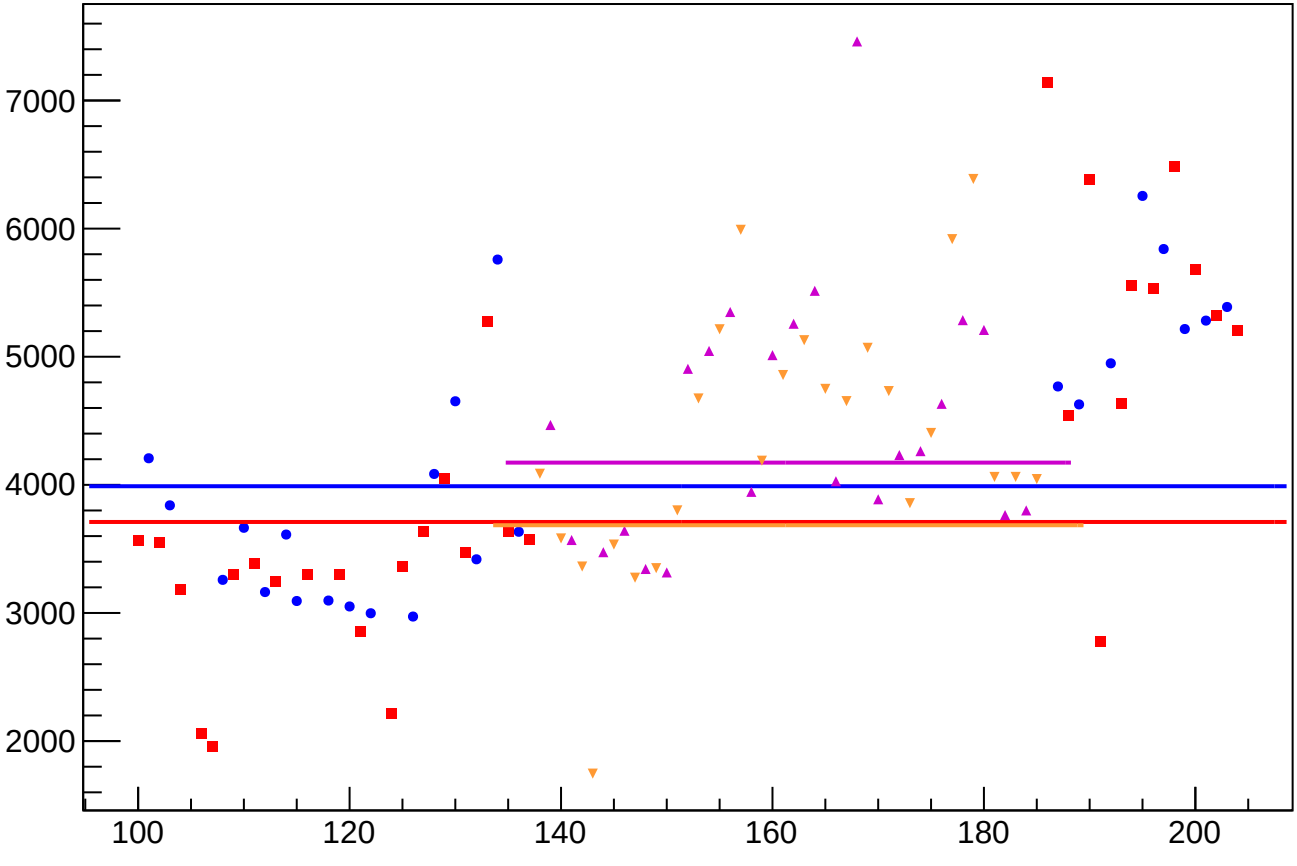
Right: 1024.767+/-750.022 χ^2/NDF: 56.4/53

In: 256.526+/-747.505 χ^2/NDF:40.8/46

Out: 614.047+/-663.742 χ^2/NDF:59.6/54

All: 456.432+/-496.320 χ^2/NDF: 100.5/101

asym_at1_avg_at2_avg_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 3989.258+/-0.800 χ^2/NDF: 1429635.7/23

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

Right Out: 3710.282+/-0.708 χ^2/NDF: 2787691.8/29

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

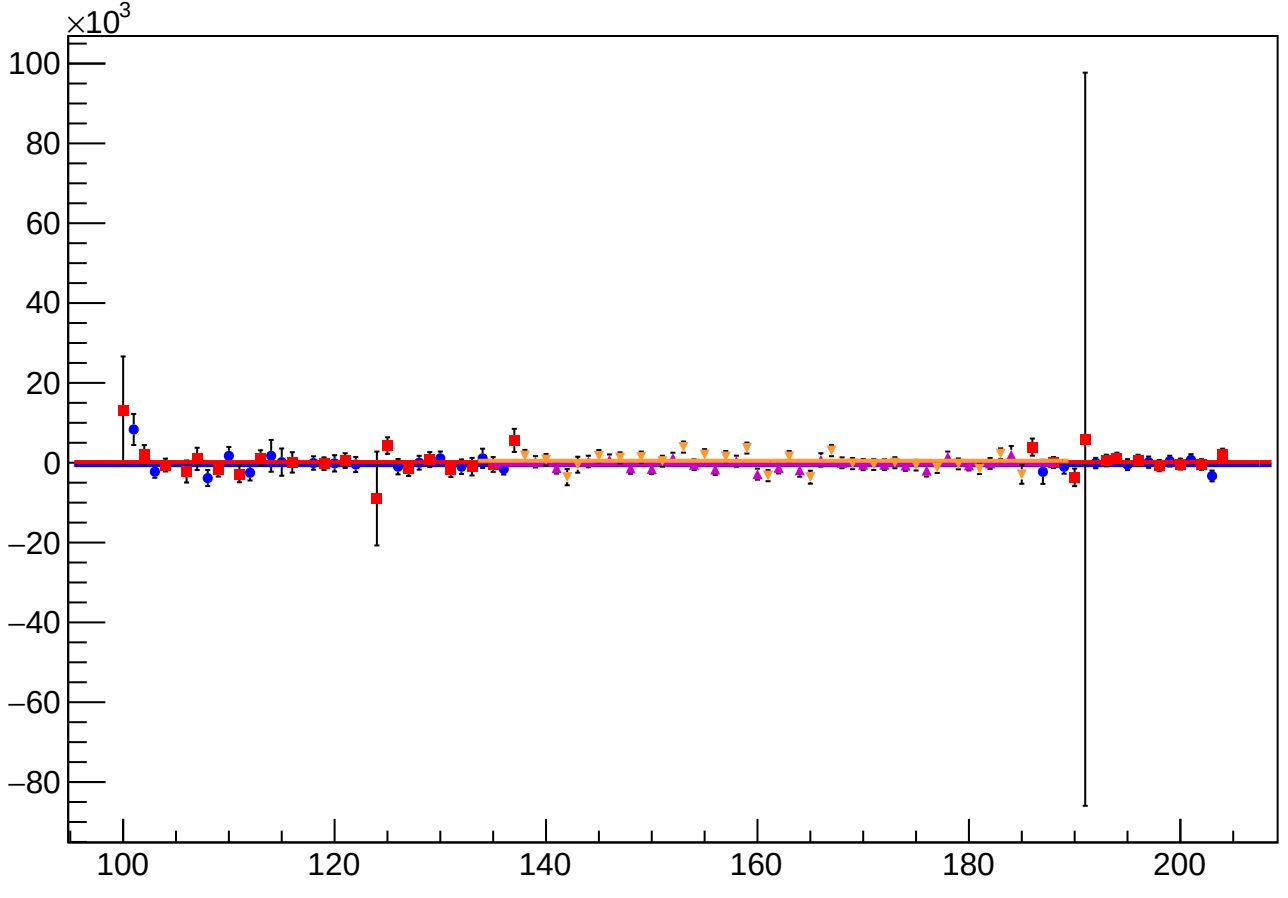
Left: 3900.975+/-0.468 χ^2/NDF: 5237615.0/47

Right: 3832.736+/-0.530 χ^2/NDF: 4285471.9/53

In: 4093.199+/-0.529 χ^2/NDF:2734496.9/46

Out: 3695.975+/-0.469 χ^2/NDF:6482107.3/54

All: 3871.093+/-0.351 χ^2/NDF: 9532392.7/10



Right In: -598.388+/-357.099 χ^2/NDF: 20.1/23

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: 171.779+/-336.892 χ^2/NDF: 26.1/29

Left In: -486.720+/-293.769 χ^2/NDF:14.4/22

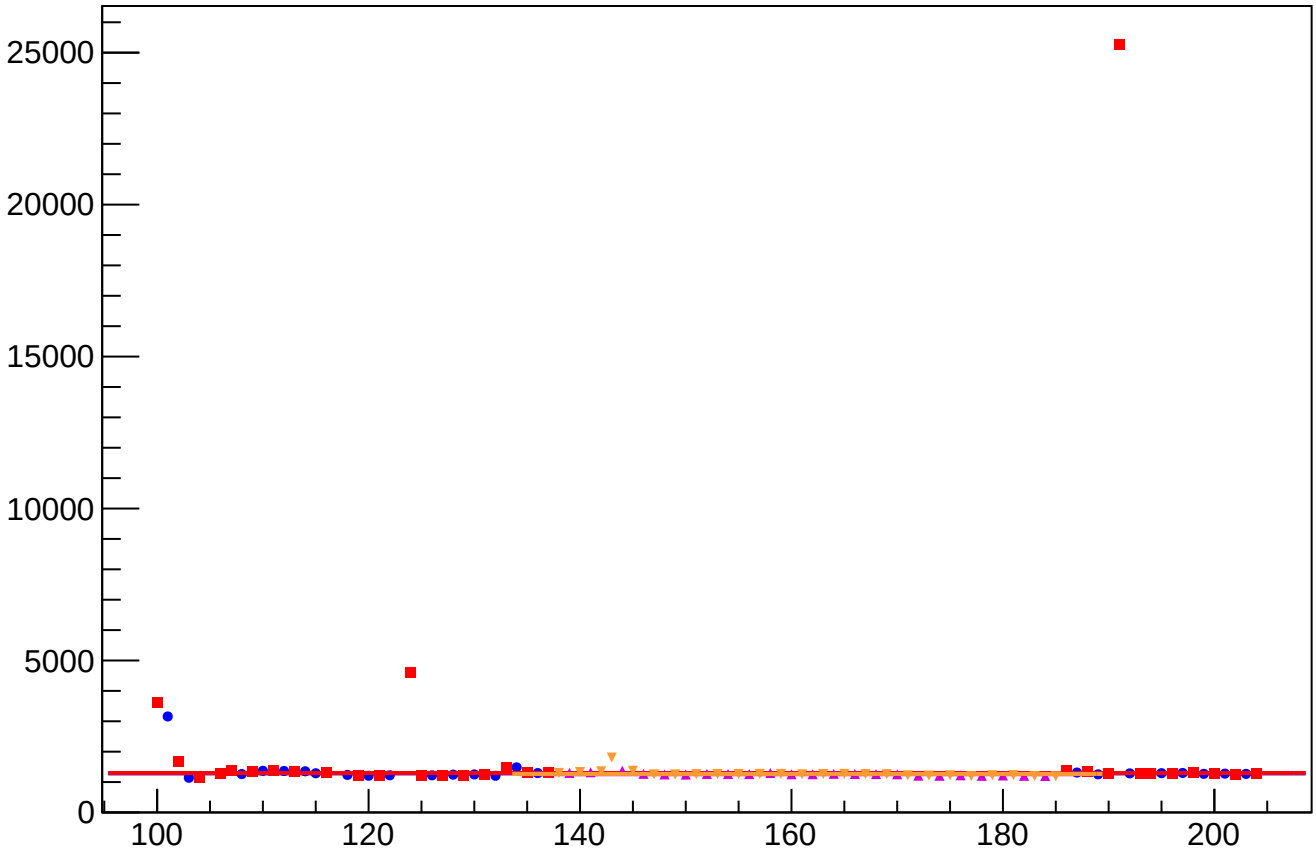
Left: 11.544+/-205.836 χ^2/NDF: 67.0/47

Right: -190.898+/-245.051 χ^2/NDF: 48.8/53

In: -531.791+/-226.866 χ^2/NDF:34.6/46

Out: 356.568+/-219.128 χ^2/NDF:73.6/54

All: -72.202+/-157.612 χ^2/NDF: 116.1/101



Right In: 1285.301+/-0.253 χ^2/NDF: 516527.0/23

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

Right Out: 1296.485+/-0.238 χ^2/NDF: 474774.8/29

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

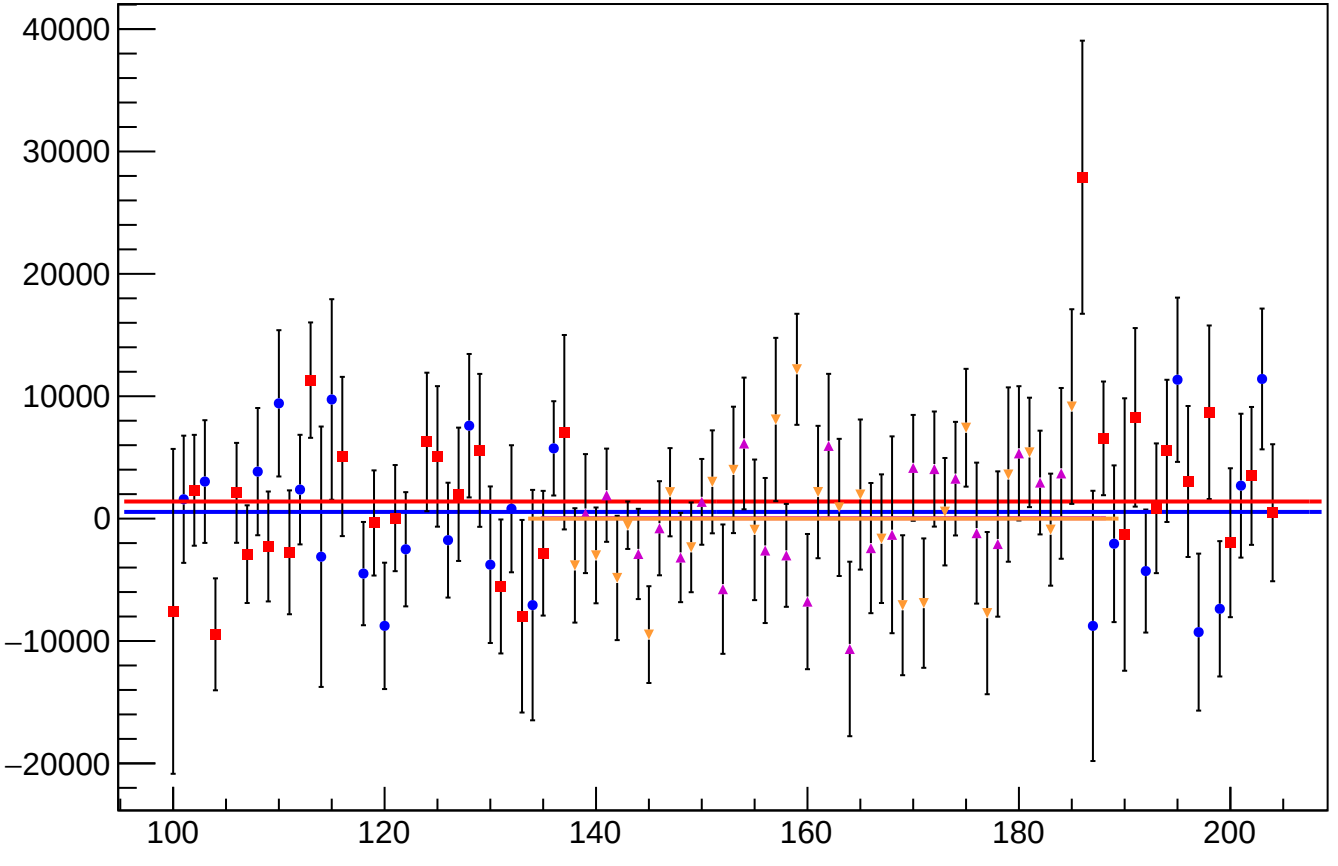
Right: 1291.223+/-0.173 χ^2/NDF: 992340.6/53

In: 1268.751+/-0.160 χ^2/NDF:560545.8/46

Out: 1279.468+/-0.155 χ^2/NDF:671187.1/54

All: 1274.298+/-0.111 χ^2/NDF: 1234042.6/10

asym_at1_avg_at2_avg_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 547.490+/-1132.064 χ^2/NDF: 26.6/23

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

Right Out: 1398.163+/-1001.314 χ^2/NDF: 29.4/29

Left In: 31.597+/-995.347 χ^2/NDF:14.0/22

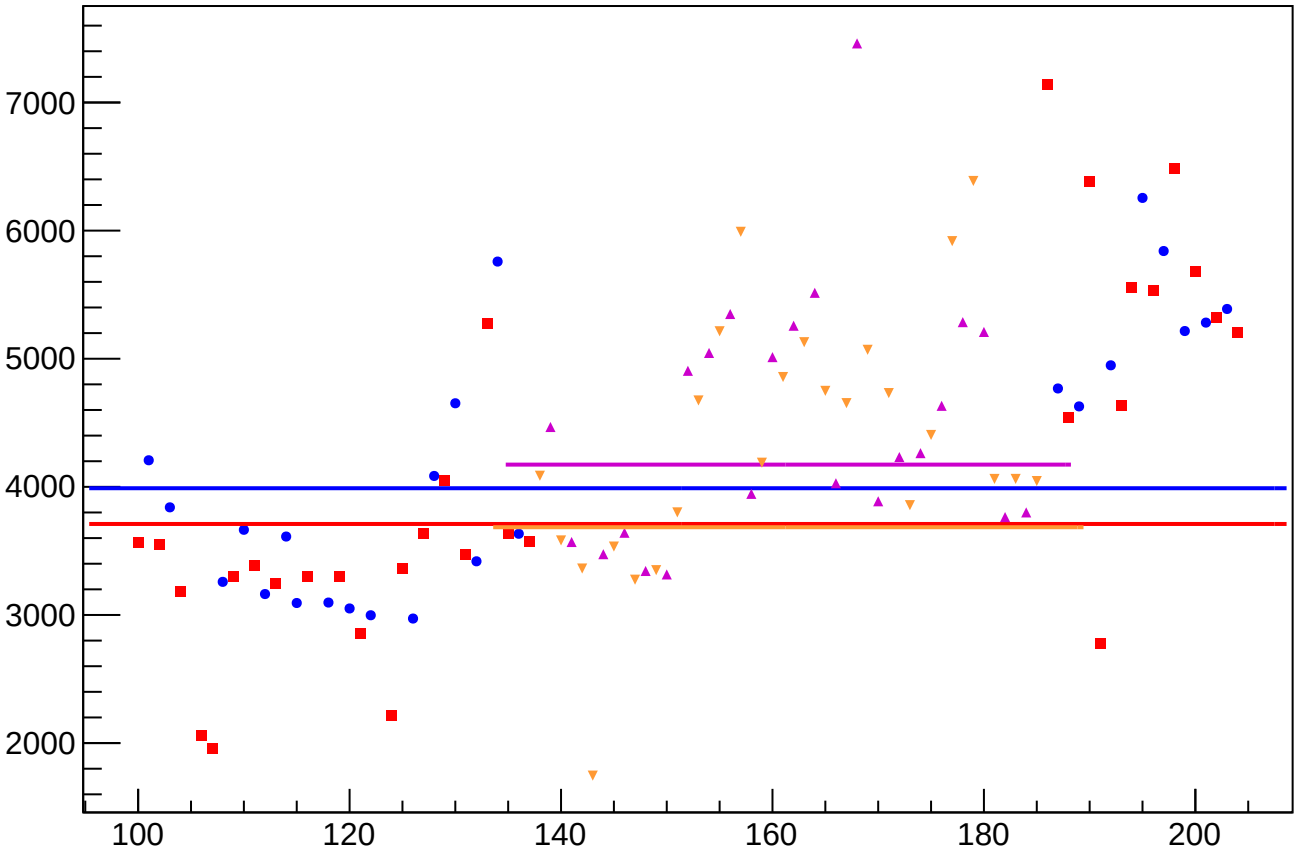
Left: 13.675+/-661.996 χ^2/NDF: 43.1/47

Right: 1024.767+/-750.022 χ^2/NDF: 56.4/53

In: 256.526+/-747.505 χ^2/NDF:40.8/46

Out: 614.047+/-663.742 χ^2/NDF:59.6/54

All: 456.432+/-496.320 χ^2/NDF: 100.5/101



Right In: 3989.258+/-0.800 χ^2/NDF: 1429635.7/23

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

Right Out: 3710.282+/-0.708 χ^2/NDF: 2787691.8/29

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

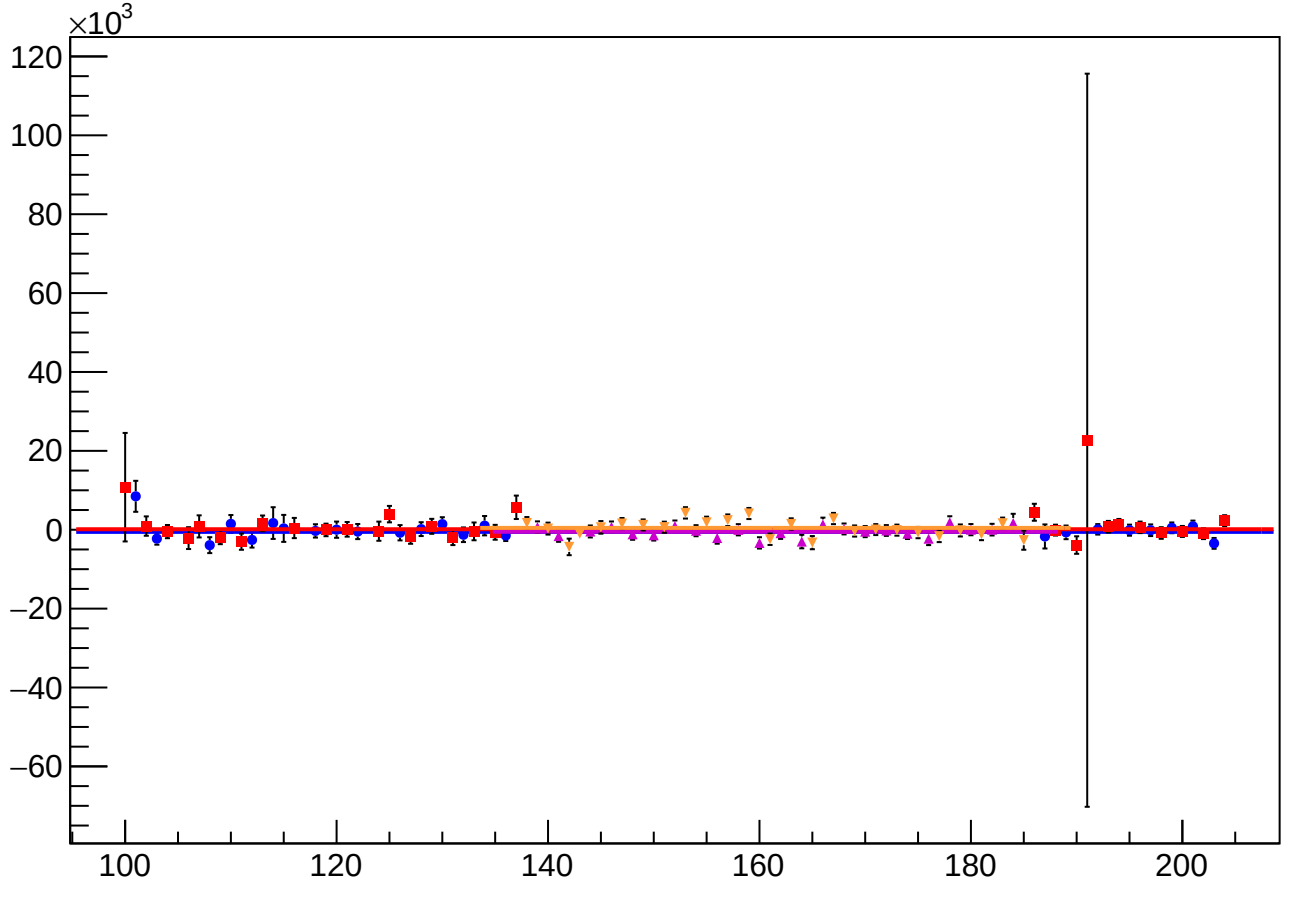
Left: 3900.975+/-0.468 χ^2/NDF: 5237615.0/47

Right: 3832.736+/-0.530 χ^2/NDF: 4285471.9/53

In: 4093.199+/-0.529 χ^2/NDF:2734496.9/46

Out: 3695.975+/-0.469 χ^2/NDF:6482107.3/54

All: 3871.093+/-0.351 χ^2/NDF: 9532392.7/10



Right In: -539.414+/-362.408 χ^2/NDF: 20.7/23

Left Out: 467.929+/-294.257 χ^2/NDF:44.1/24

Right Out: 126.590+/-339.394 χ^2/NDF: 27.3/29

Left In: -503.558+/-307.055 χ^2/NDF:17.4/22

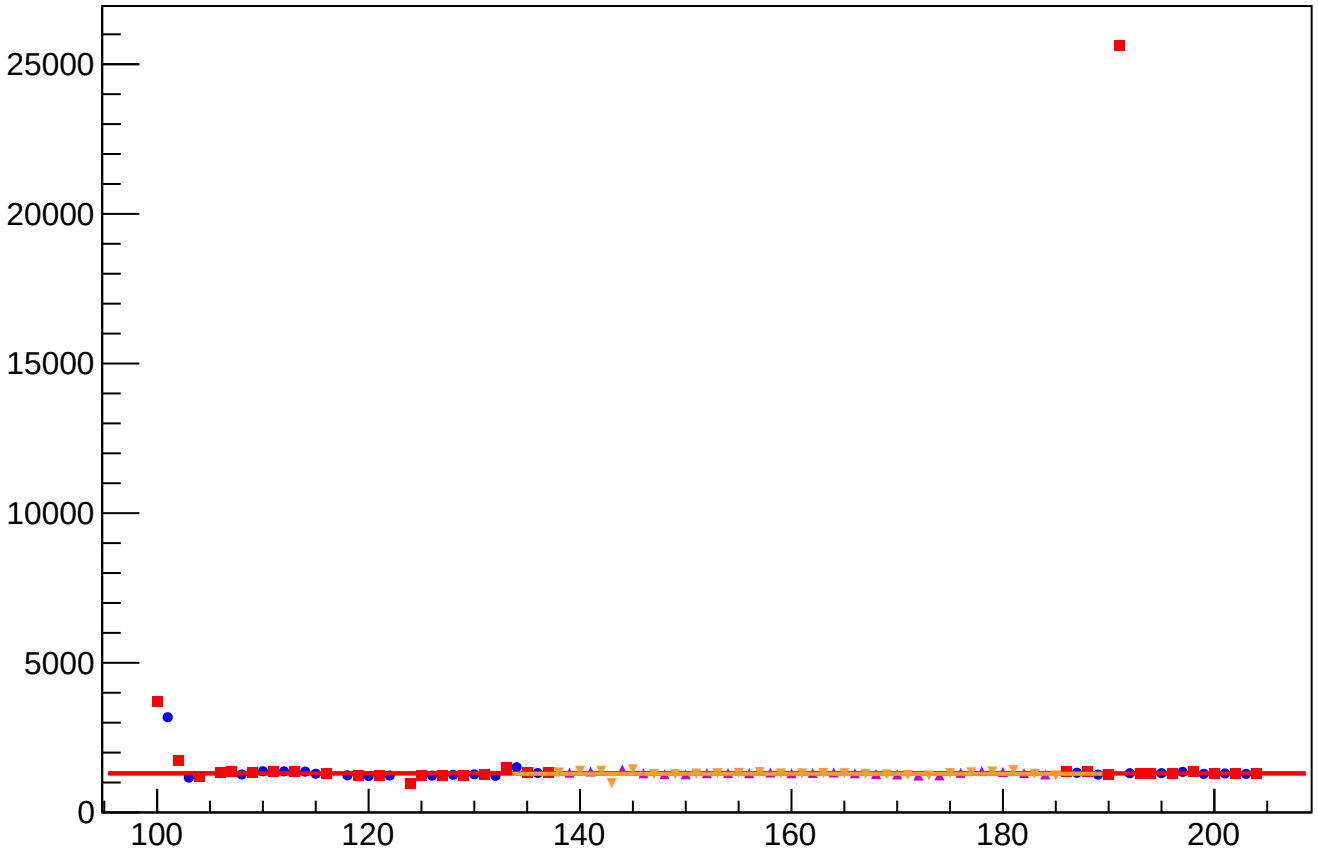
Left: 2.853+/-212.452 χ^2/NDF: 66.7/47

Right: -184.596+/-247.725 χ^2/NDF: 49.8/53

In: -518.542+/-234.274 χ^2/NDF:38.1/46

Out: 321.452+/-222.329 χ^2/NDF:72.0/54

All: -76.587+/-161.268 χ^2/NDF: 116.9/101



Right In: 1304.314+/-0.256 χ^2/NDF: 514914.1/23

Left Out: 1291.211+/-0.208 χ^2/NDF:230735.1/24

Right Out: 1307.876+/-0.240 χ^2/NDF: 363539.1/29

Left In: 1314.006+/-0.217 χ^2/NDF:43044.7/22

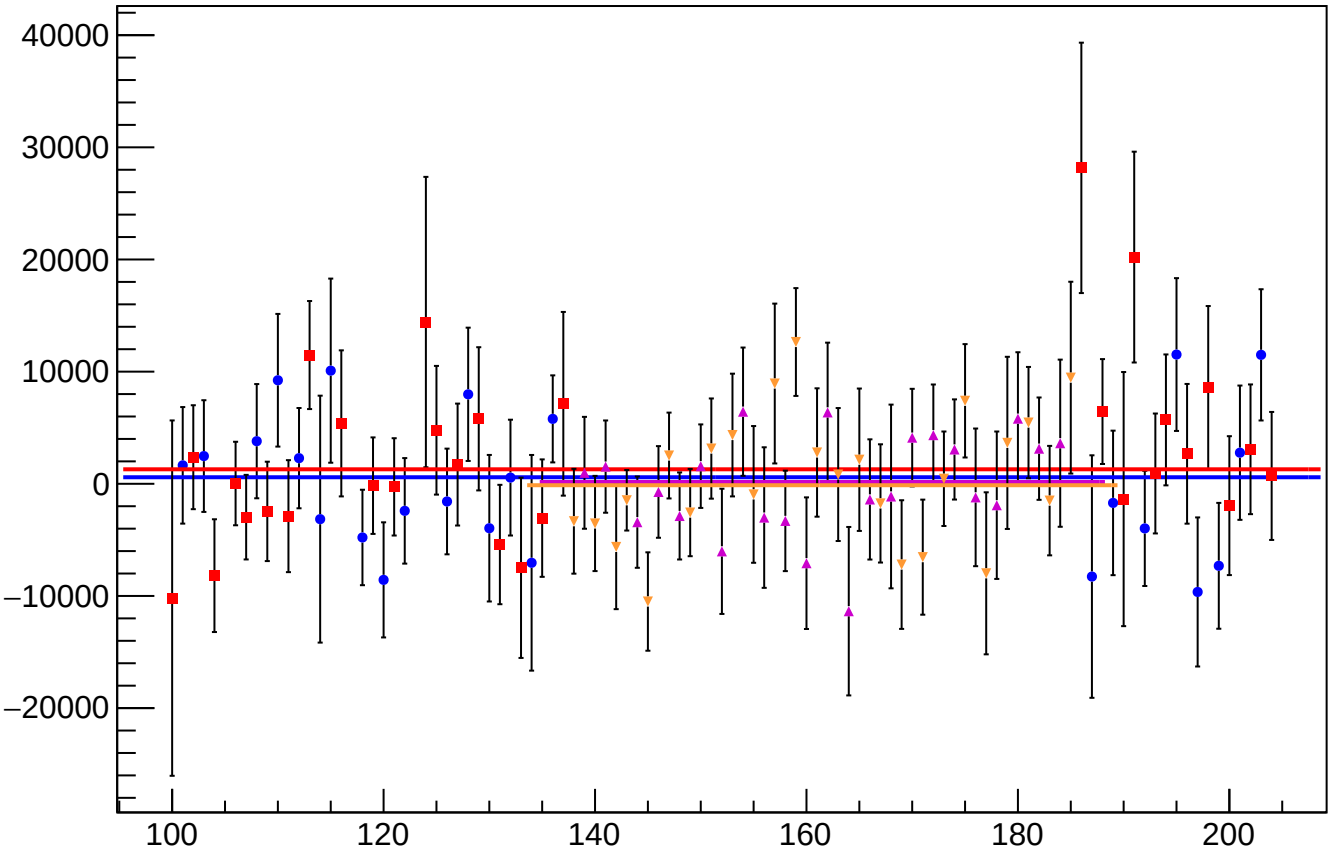
Left: 1302.123+/-0.150 χ^2/NDF: 279525.5/47

Right: 1306.213+/-0.175 χ^2/NDF: 878556.1/53

In: 1309.956+/-0.166 χ^2/NDF:558791.4/46

Out: 1298.365+/-0.157 χ^2/NDF:597028.3/54

All: 1303.857+/-0.114 χ^2/NDF: 1158395.7/10



Right In: 583.551+/-1138.726 χ^2/NDF: 26.3/23

Left Out: -127.273+/-977.231 χ^2/NDF:28.6/24

Right Out: 1292.677+/-1019.096 χ^2/NDF: 31.1/29

Left In: 159.452+/-1045.510 χ^2/NDF:13.8/22

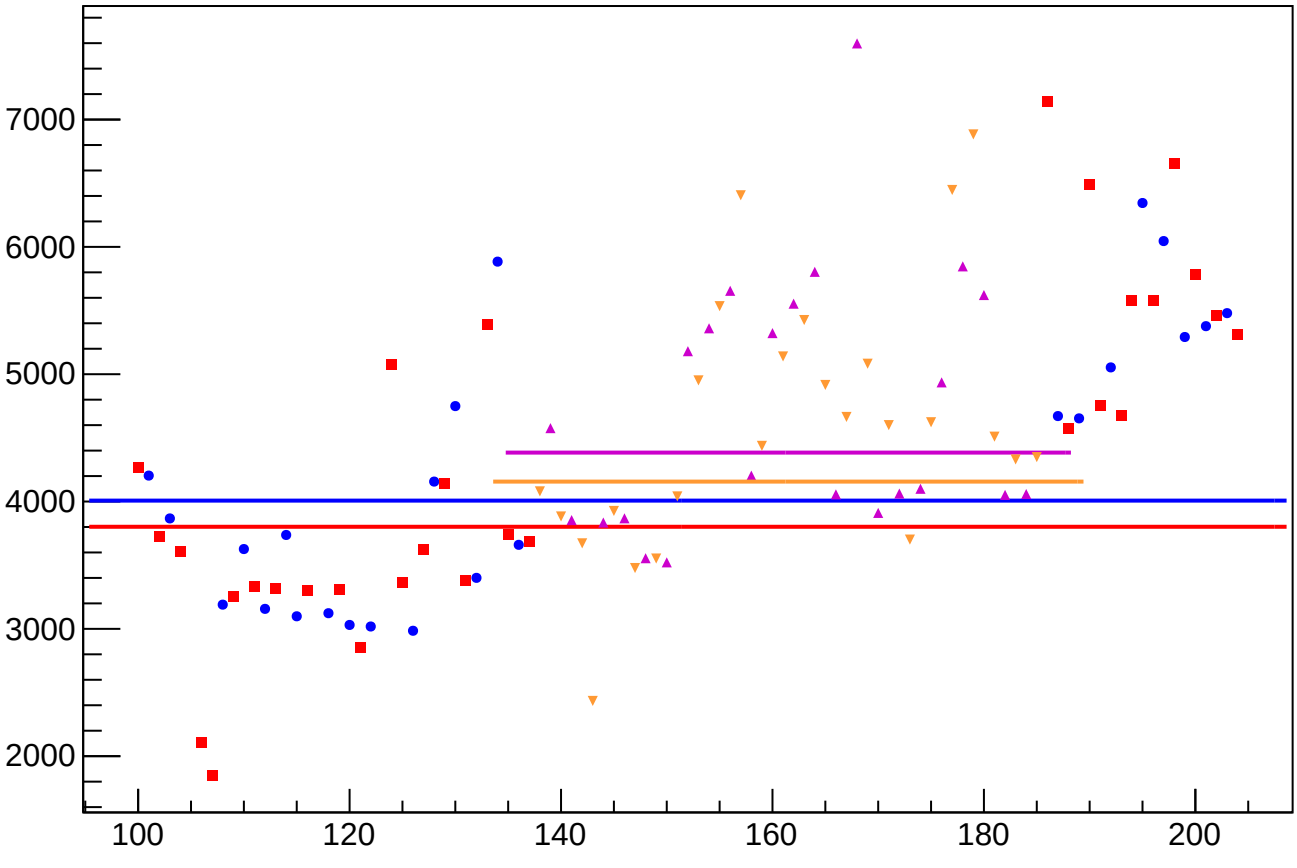
Left: 6.422+/-713.925 χ^2/NDF: 42.4/47

Right: 977.307+/-759.394 χ^2/NDF: 57.6/53

In: 353.436+/-770.136 χ^2/NDF:40.2/46

Out: 552.937+/-705.343 χ^2/NDF:60.6/54

All: 461.930+/-520.153 χ^2/NDF: 100.8/101



Right In: 4007.247+/-0.805 χ^2/NDF: 1521072.4/23

Left Out: 4156.582+/-0.691 χ^2/NDF:2080766.1/24

Right Out: 3801.788+/-0.721 χ^2/NDF: 2870355.6/29

Left In: 4384.323+/-0.739 χ^2/NDF:1255470.8/22

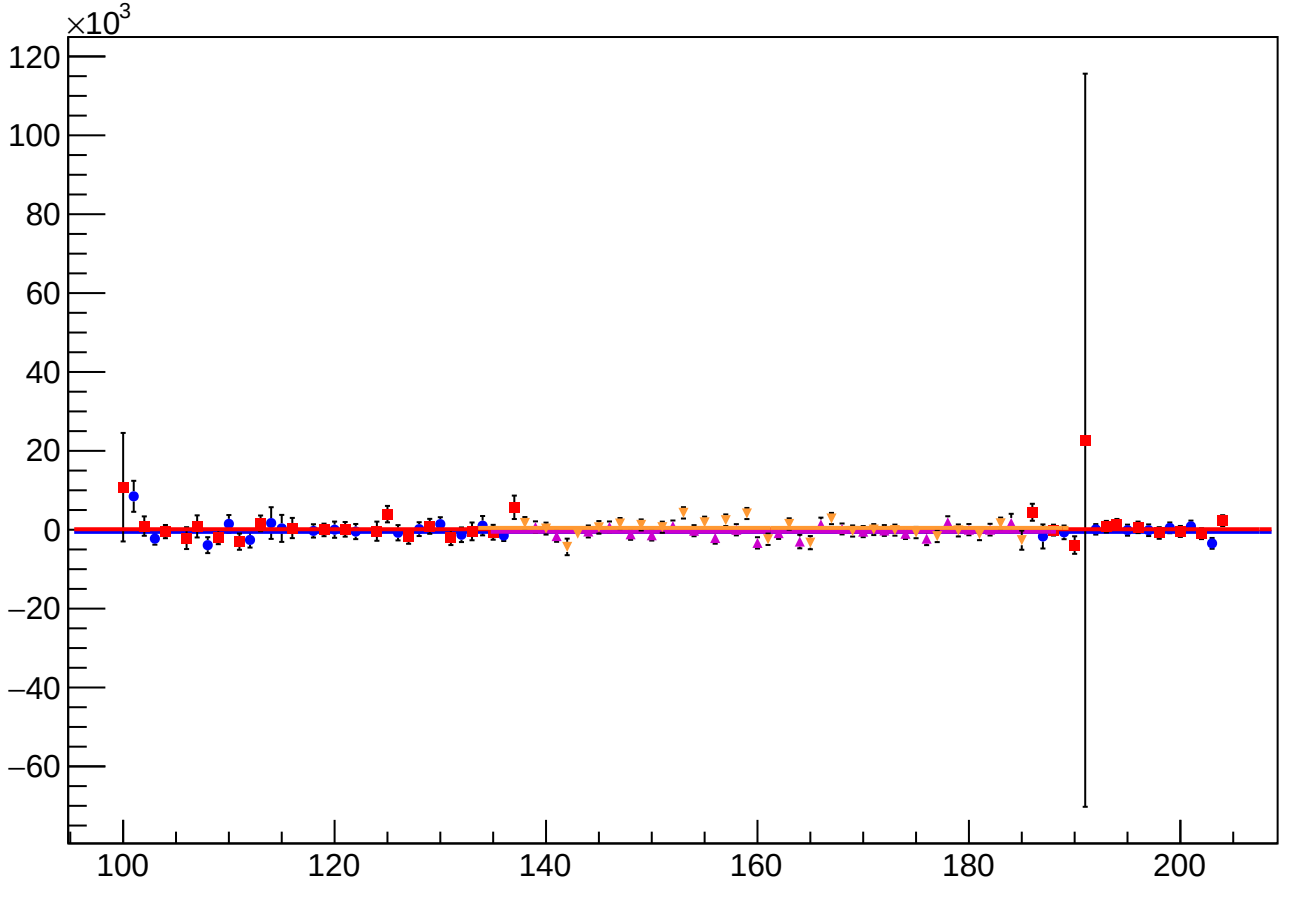
Left: 4262.773+/-0.505 χ^2/NDF: 3386885.6/47

Right: 3893.162+/-0.537 χ^2/NDF: 4427581.1/53

In: 4211.848+/-0.545 χ^2/NDF:2895538.2/46

Out: 3986.622+/-0.499 χ^2/NDF:5077408.4/54

All: 4089.363+/-0.368 χ^2/NDF: 8065970.4/10



Right In: -539.413+/-362.408 χ^2/NDF: 20.7/23

Left Out: 467.933+/-294.257 χ^2/NDF:44.1/24

Right Out: 126.587+/-339.394 χ^2/NDF: 27.3/29

Left In: -503.558+/-307.056 χ^2/NDF:17.4/22

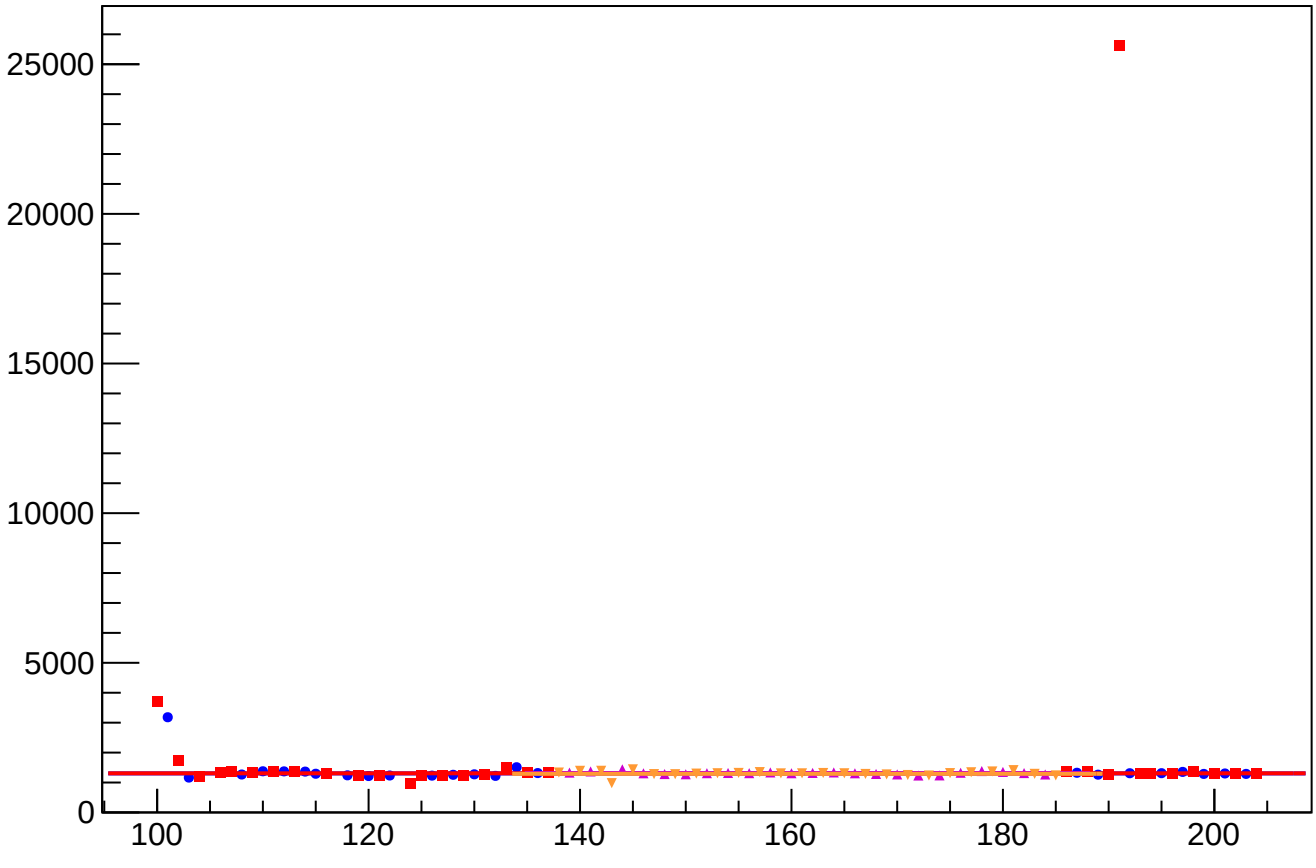
Left: 2.855+/-212.452 χ^2/NDF: 66.7/47

Right: -184.597+/-247.725 χ^2/NDF: 49.8/53

In: -518.541+/-234.274 χ^2/NDF:38.1/46

Out: 321.452+/-222.330 χ^2/NDF:72.0/54

All: -76.586+/-161.268 χ^2/NDF: 116.8/101



Right In: 1304.314+/-0.256 χ^2/NDF: 514914.3/23

Left Out: 1291.212+/-0.208 χ^2/NDF:230737.6/24

Right Out: 1307.876+/-0.240 χ^2/NDF: 363539.3/29

Left In: 1314.007+/-0.217 χ^2/NDF:43046.8/22

Left: 1302.125+/-0.150 χ^2/NDF: 279530.2/47

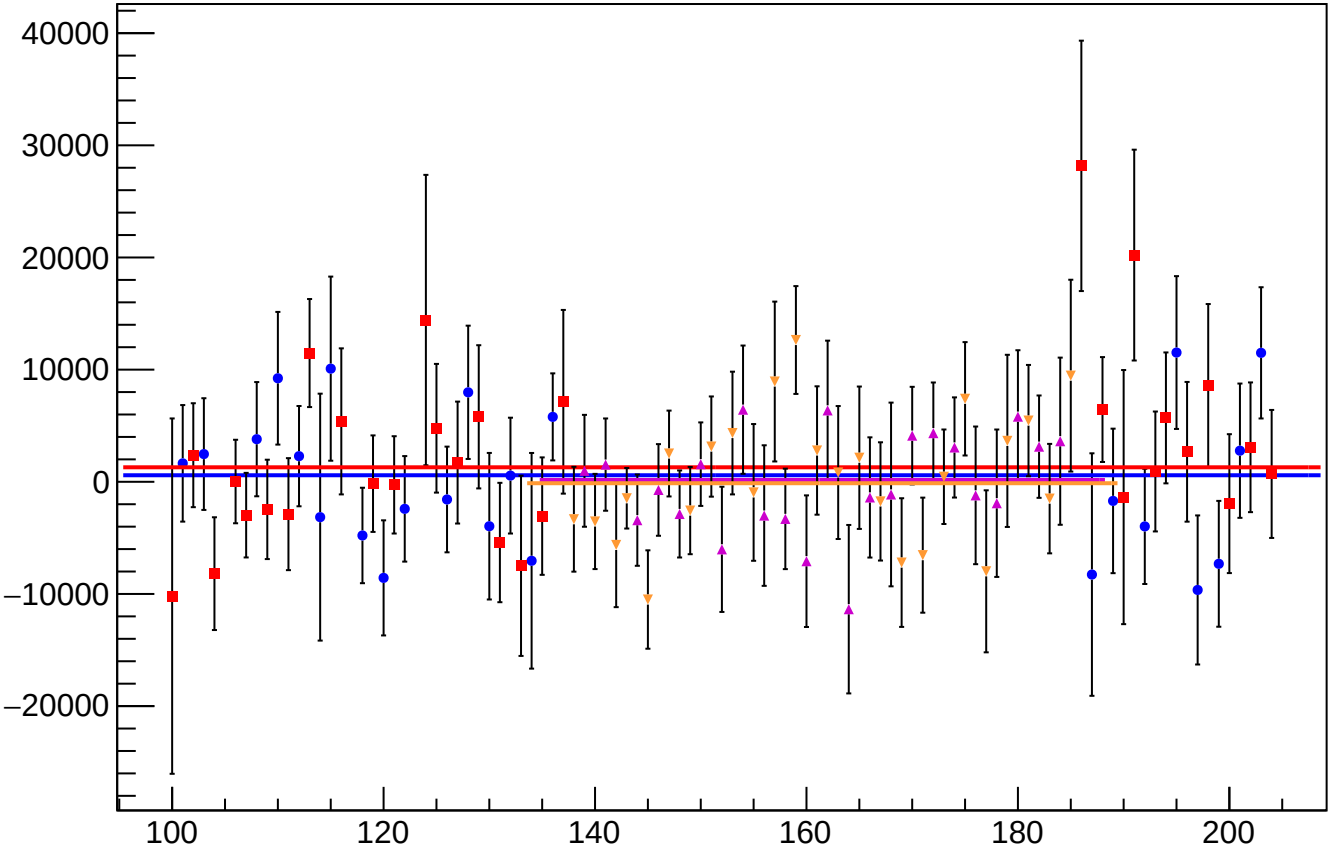
Right: 1306.213+/-0.175 χ^2/NDF: 878556.6/53

In: 1309.957+/-0.166 χ^2/NDF:558793.9/46

Out: 1298.366+/-0.157 χ^2/NDF:597030.7/54

All: 1303.858+/-0.114 χ^2/NDF: 1158400.7/10

asym_at1_avg_at2_avg_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 583.543+/-1138.724 χ^2/NDF: 26.3/23

Left Out: -127.271+/-977.232 χ^2/NDF:28.6/24

Right Out: 1292.670+/-1019.095 χ^2/NDF: 31.1/29

Left In: 159.454+/-1045.511 χ^2/NDF:13.8/22

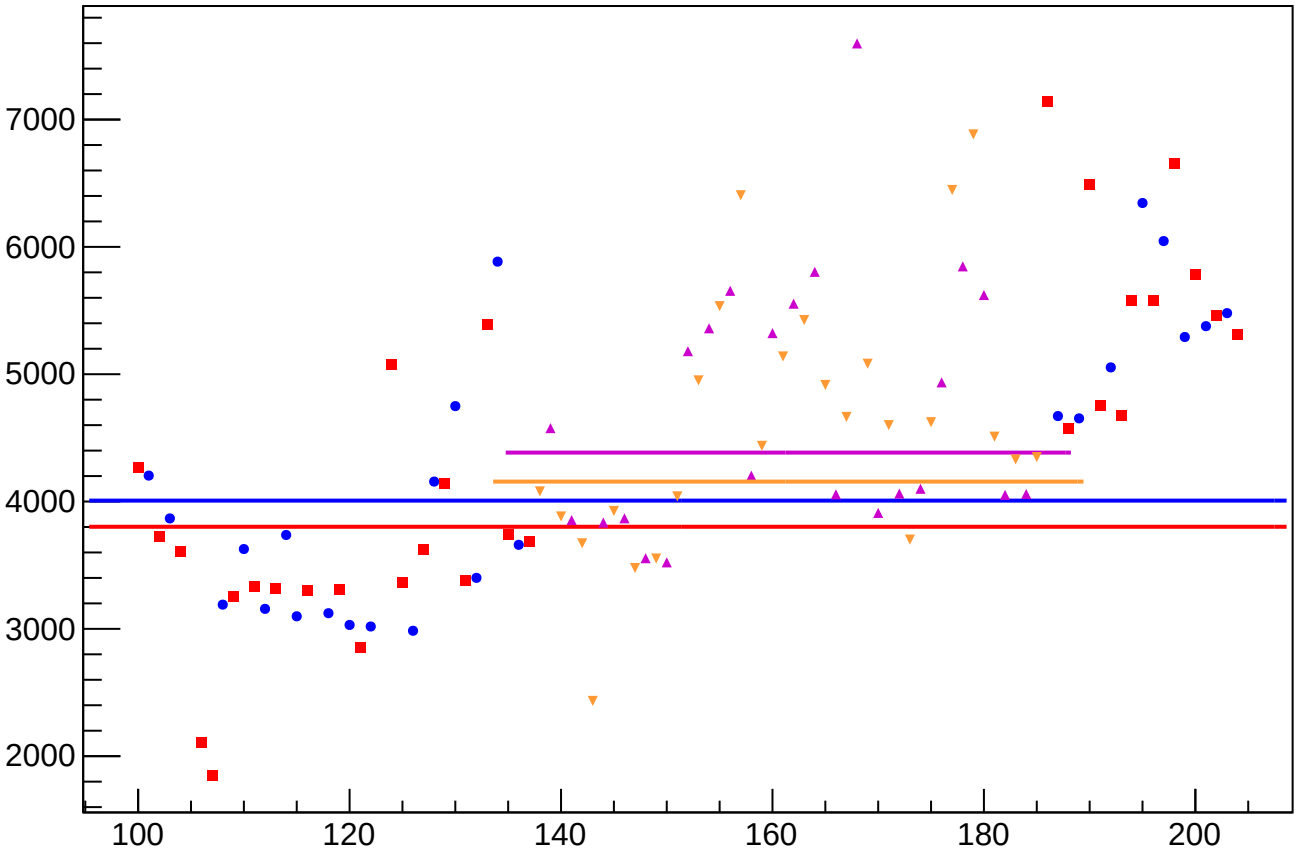
Left: 6.424+/-713.926 χ^2/NDF: 42.4/47

Right: 977.300+/-759.393 χ^2/NDF: 57.6/53

In: 353.433+/-770.137 χ^2/NDF:40.2/46

Out: 552.937+/-705.343 χ^2/NDF:60.6/54

All: 461.929+/-520.153 χ^2/NDF: 100.8/101



Right In: 4007.239+/-0.805 χ^2/NDF: 1521095.9/23

Left Out: 4156.588+/-0.691 χ^2/NDF:2080769.0/24

Right Out: 3801.781+/-0.721 χ^2/NDF: 2870380.1/29

Left In: 4384.329+/-0.739 χ^2/NDF:1255475.0/22

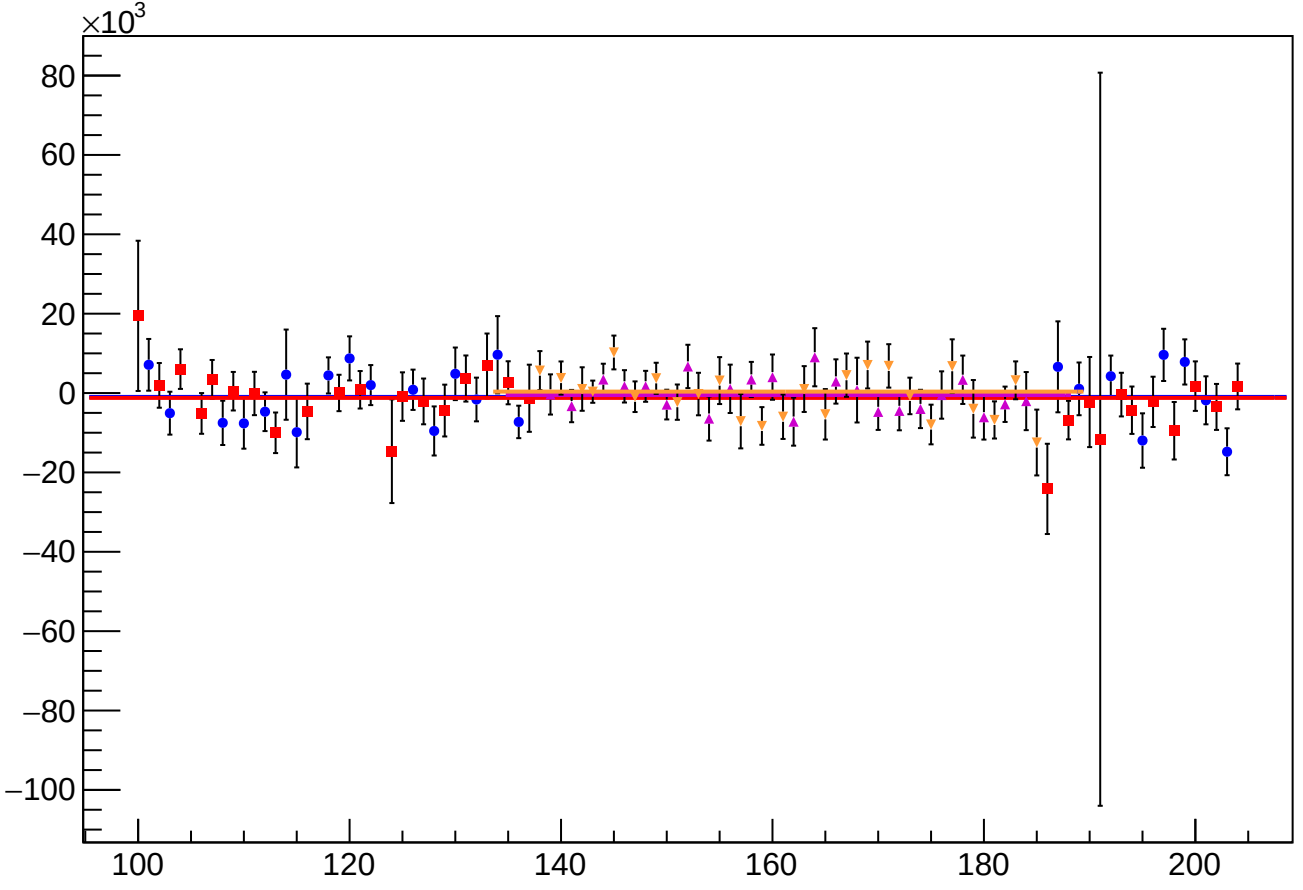
Left: 4262.780+/-0.505 χ^2/NDF: 3386892.6/47

Right: 3893.154+/-0.537 χ^2/NDF: 4427629.0/53

In: 4211.848+/-0.545 χ^2/NDF:2895574.8/46

Out: 3986.622+/-0.499 χ^2/NDF:5077445.3/54

All: 4089.363+/-0.368 χ^2/NDF: 8066043.8/10



Right In: -977.578+/-1206.984 χ^2/NDF: 32.2/23

Left Out: 362.528+/-979.860 χ^2/NDF:27.7/24

Right Out: -1221.385+/-1111.844 χ^2/NDF: 19.9/29

Left In: -497.522+/-1044.707 χ^2/NDF:13.9/22

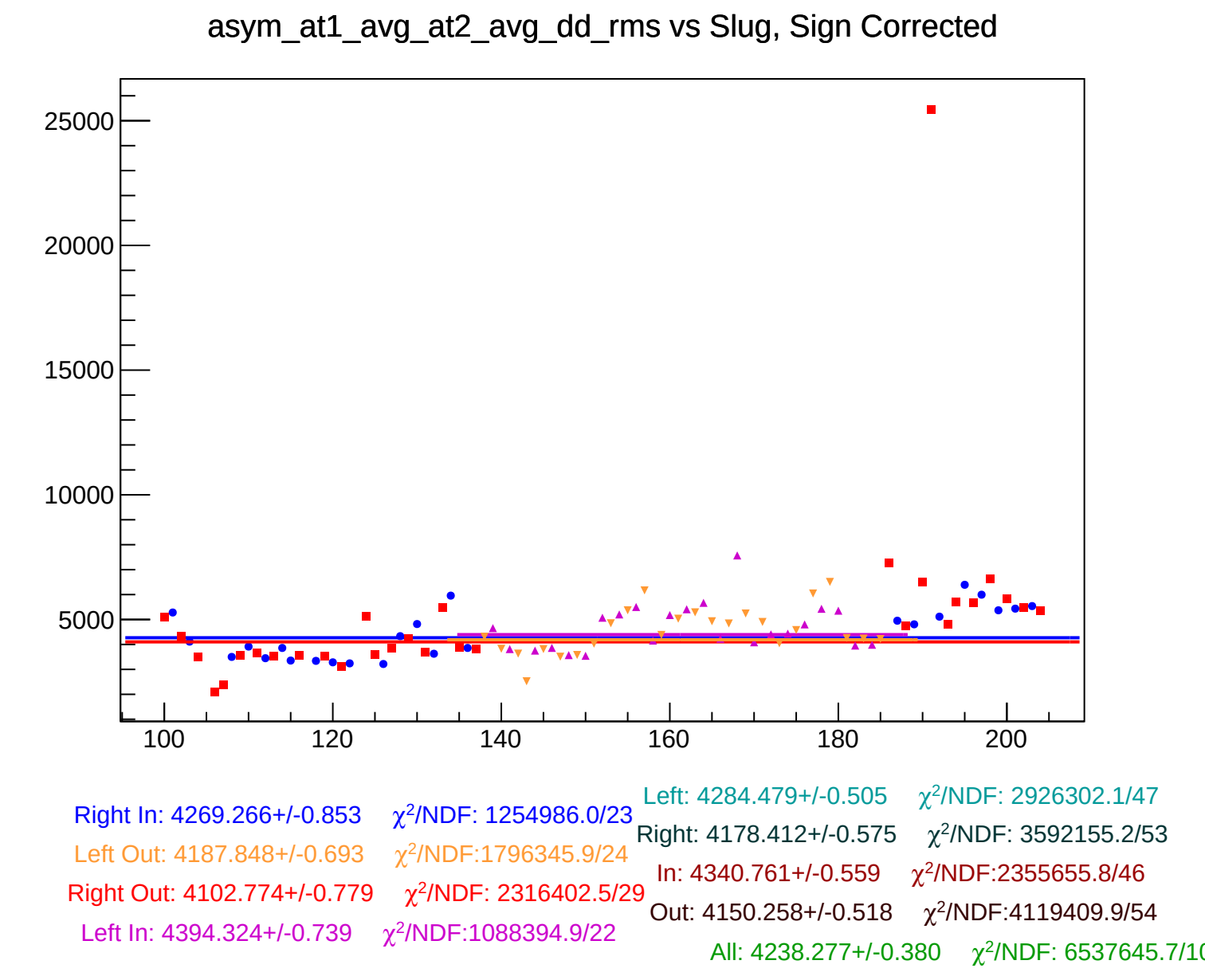
Left: -39.978+/-714.692 χ^2/NDF: 41.9/47

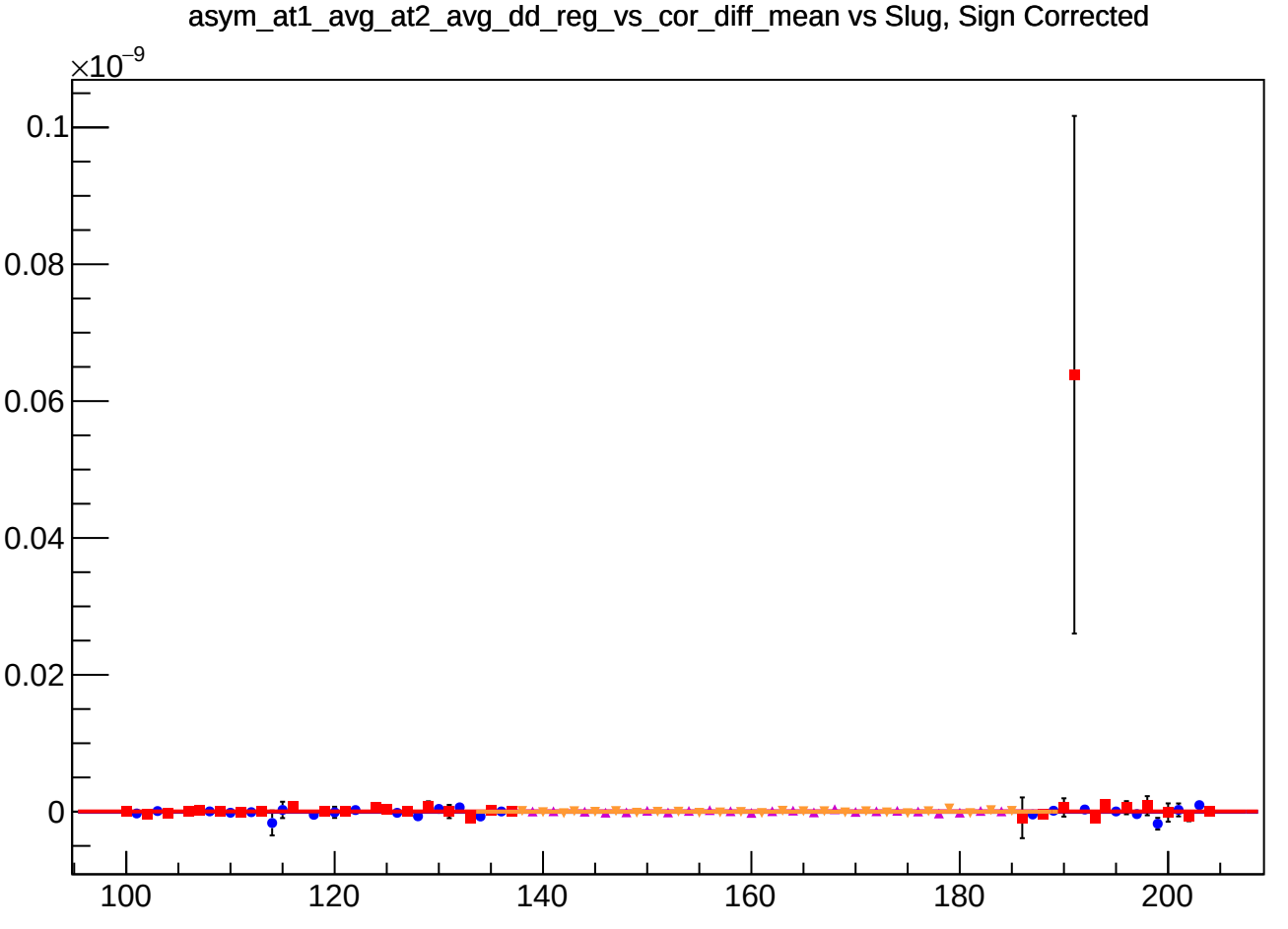
Right: -1109.468+/-817.761 χ^2/NDF: 52.1/53

In: -703.132+/-789.909 χ^2/NDF:46.2/46

Out: -329.882+/-735.123 χ^2/NDF:48.7/54

All: -503.115+/-538.137 χ^2/NDF: 95.0/101


asym_at1_avg_at2_avg_dd_rms vs Slug, Sign Corrected
25000
20000
15000
10000
5000
100
120
140
160
180
200
Right In: 4269.266+/-0.853 χ²/NDF: 1254986.0/23
Left Out: 4187.848+/-0.693 χ²/NDF:1796345.9/24
Right Out: 4102.774+/-0.779 χ²/NDF: 2316402.5/29
Left In: 4394.324+/-0.739 χ²/NDF:1088394.9/22
Left: 4284.479+/-0.505 χ²/NDF: 2926302.1/47
Right: 4178.412+/-0.575 χ²/NDF: 3592155.2/53
In: 4340.761+/-0.559 χ²/NDF:2355655.8/46
Out: 4150.258+/-0.518 χ²/NDF:4119409.9/54
All: 4238.277+/-0.380 χ²/NDF: 6537645.7/10



Right In: -0.000+/-0.000 χ^2/NDF: 27.8/23

Left Out: -0.000+/-0.000 χ^2/NDF:30.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 27.3/29

Left In: 0.000+/-0.000 χ^2/NDF:17.0/22

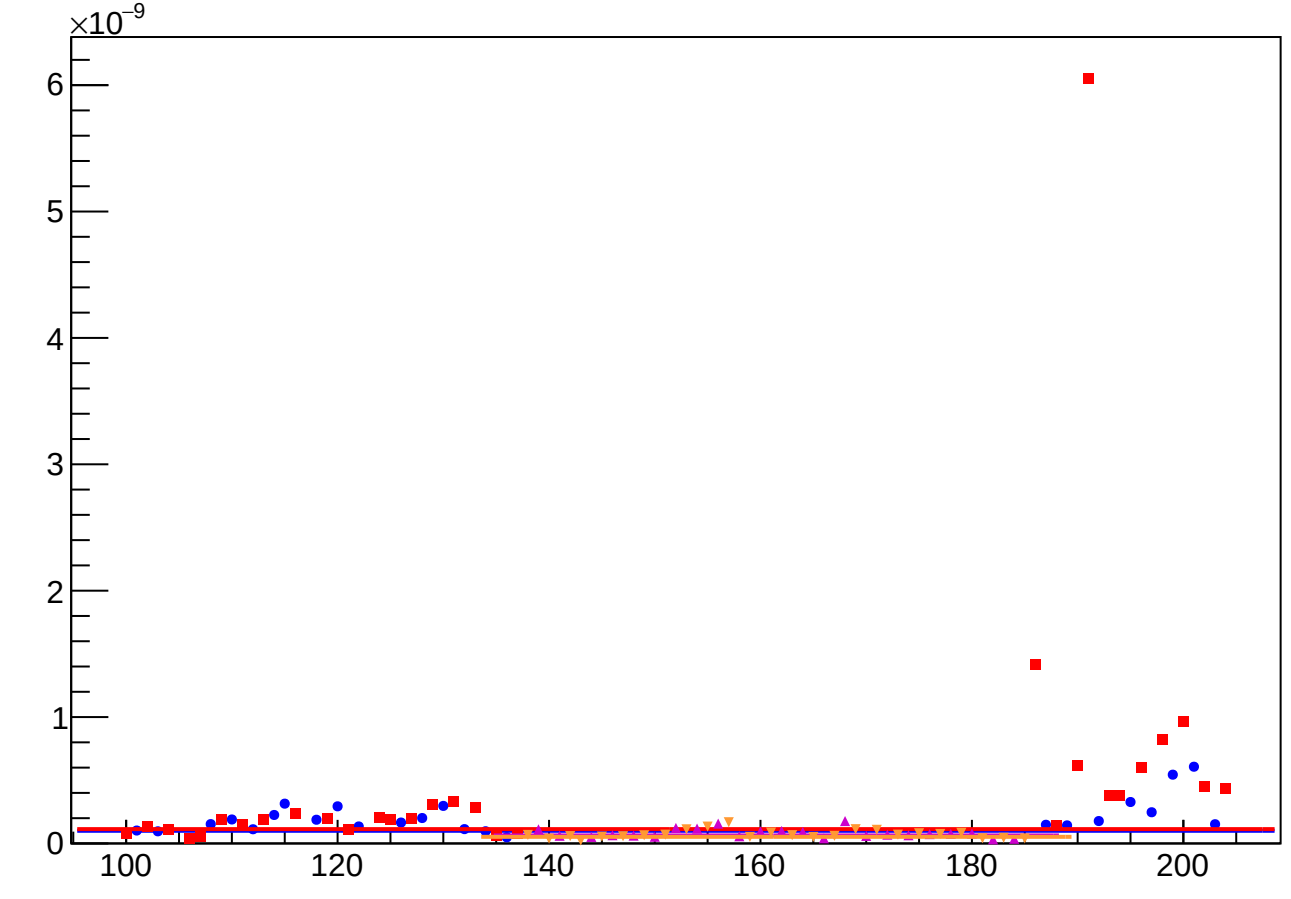
Left: 0.000+/-0.000 χ^2/NDF: 48.0/47

Right: 0.000+/-0.000 χ^2/NDF: 55.6/53

In: 0.000+/-0.000 χ^2/NDF:45.4/46

Out: 0.000+/-0.000 χ^2/NDF:58.1/54

All: 0.000+/-0.000 χ^2/NDF: 103.6/101



Right In: 0.000+/-0.000 χ^2/NDF: 3122720.1/23

Left Out: 0.000+/-0.000 χ^2/NDF:2628519.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5888584.9/29

Left In: 0.000+/-0.000 χ^2/NDF:1788279.2/22

Left: 0.000+/-0.000 χ^2/NDF: 4618450.3/47

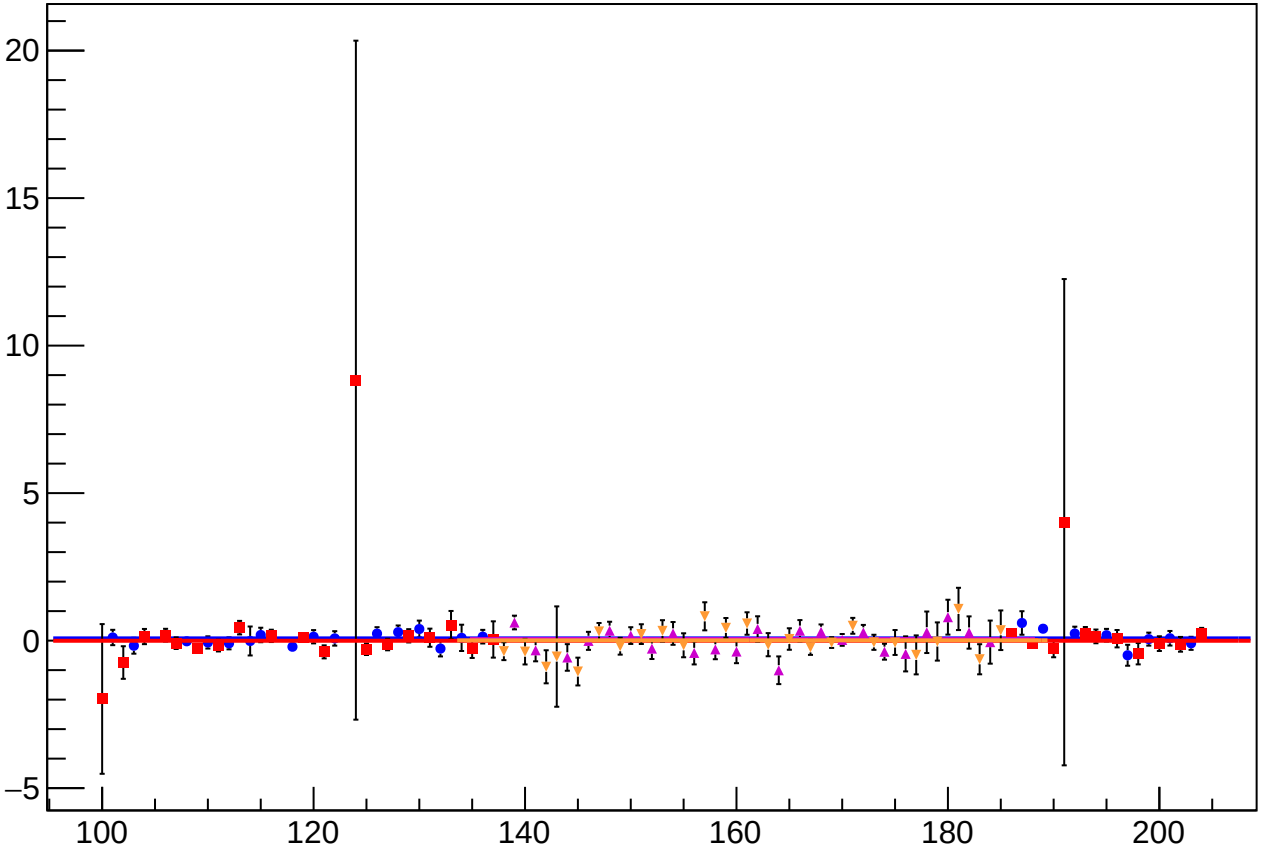
Right: 0.000+/-0.000 χ^2/NDF: 9061347.9/53

In: 0.000+/-0.000 χ^2/NDF:5618775.2/46

Out: 0.000+/-0.000 χ^2/NDF:10272463.3/54

All: 0.000+/-0.000 χ^2/NDF: 16105222.7/101

asym_at1_avg_at2_avg_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.076+/-0.047 χ^2/NDF: 20.4/23

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.005+/-0.040 χ^2/NDF: 30.6/29

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

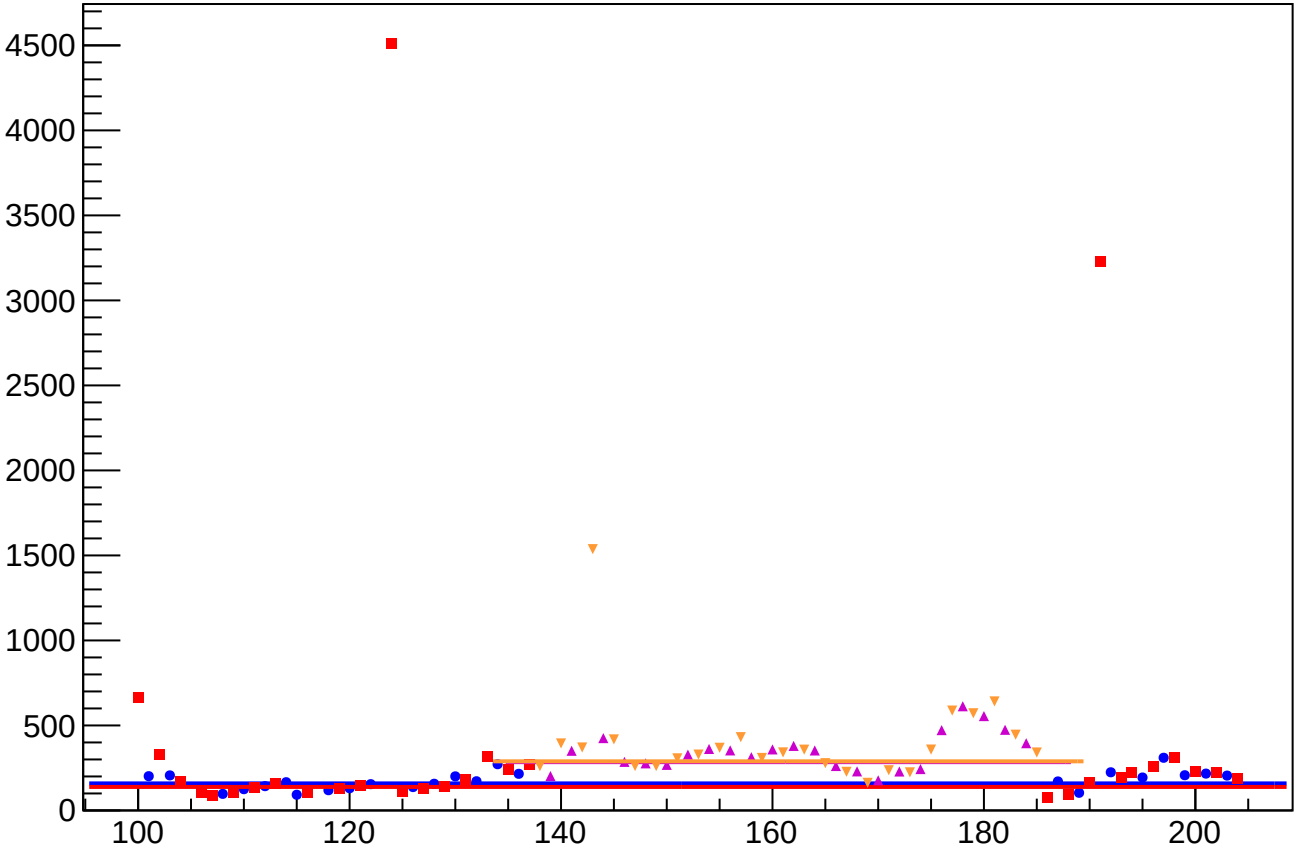
Right: 0.029+/-0.030 χ^2/NDF: 52.8/53

In: 0.069+/-0.039 χ^2/NDF:48.3/46

Out: -0.001+/-0.035 χ^2/NDF:59.6/54

All: 0.030+/-0.026 χ^2/NDF: 109.6/101

asym_at1_avg_at2_avg_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 159.097+/-0.033 χ^2/NDF: 2214803.8/23

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

Right Out: 138.355+/-0.028 χ^2/NDF: 4659408.8/29

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

Left: 286.524+/-0.035 χ^2/NDF: 7730236.9/47

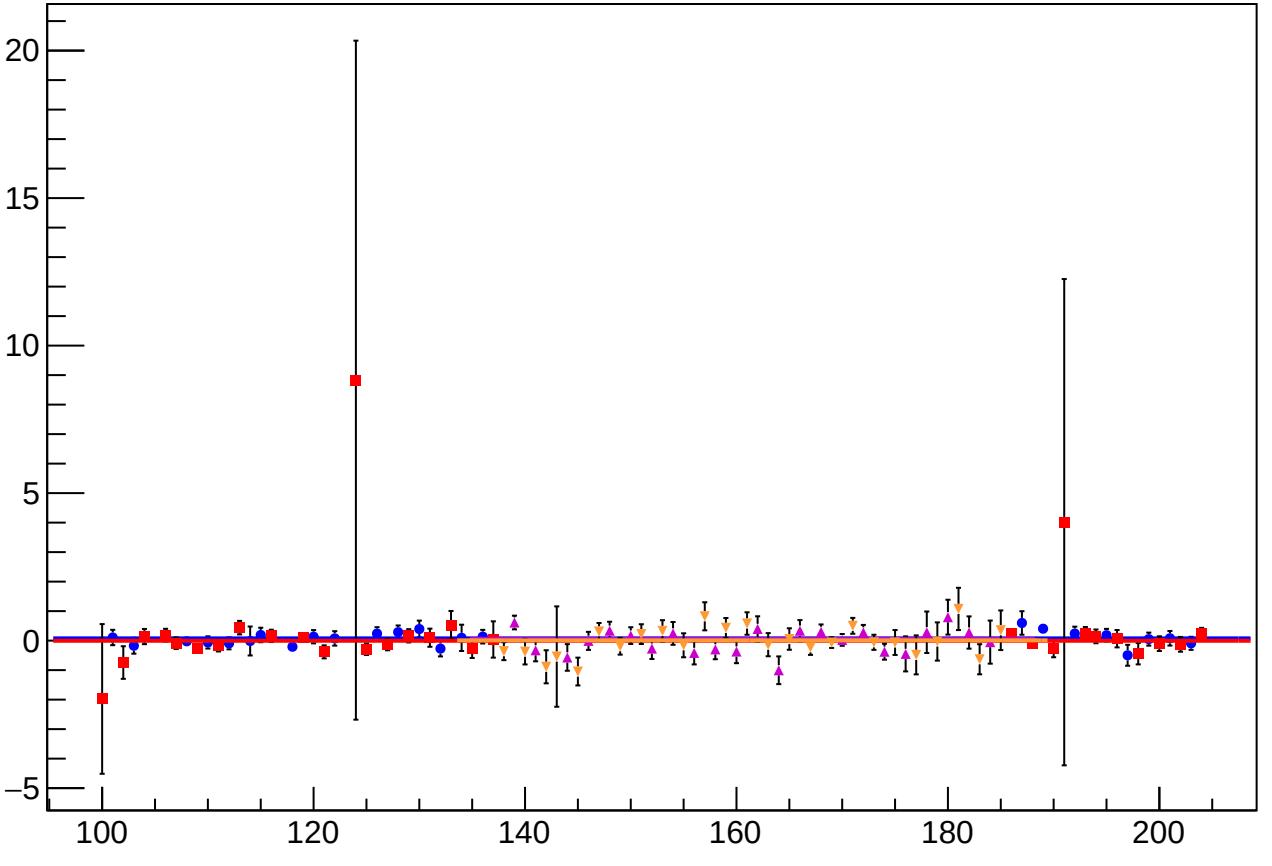
Right: 147.116+/-0.022 χ^2/NDF: 7100526.4/53

In: 197.499+/-0.028 χ^2/NDF:9666024.7/46

Out: 174.718+/-0.025 χ^2/NDF:16126227.8/54

All: 184.845+/-0.018 χ^2/NDF: 26171040.5/10

asym_at1_avg_at2_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.076+/-0.047 χ^2/NDF: 20.4/23

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.005+/-0.040 χ^2/NDF: 30.6/29

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

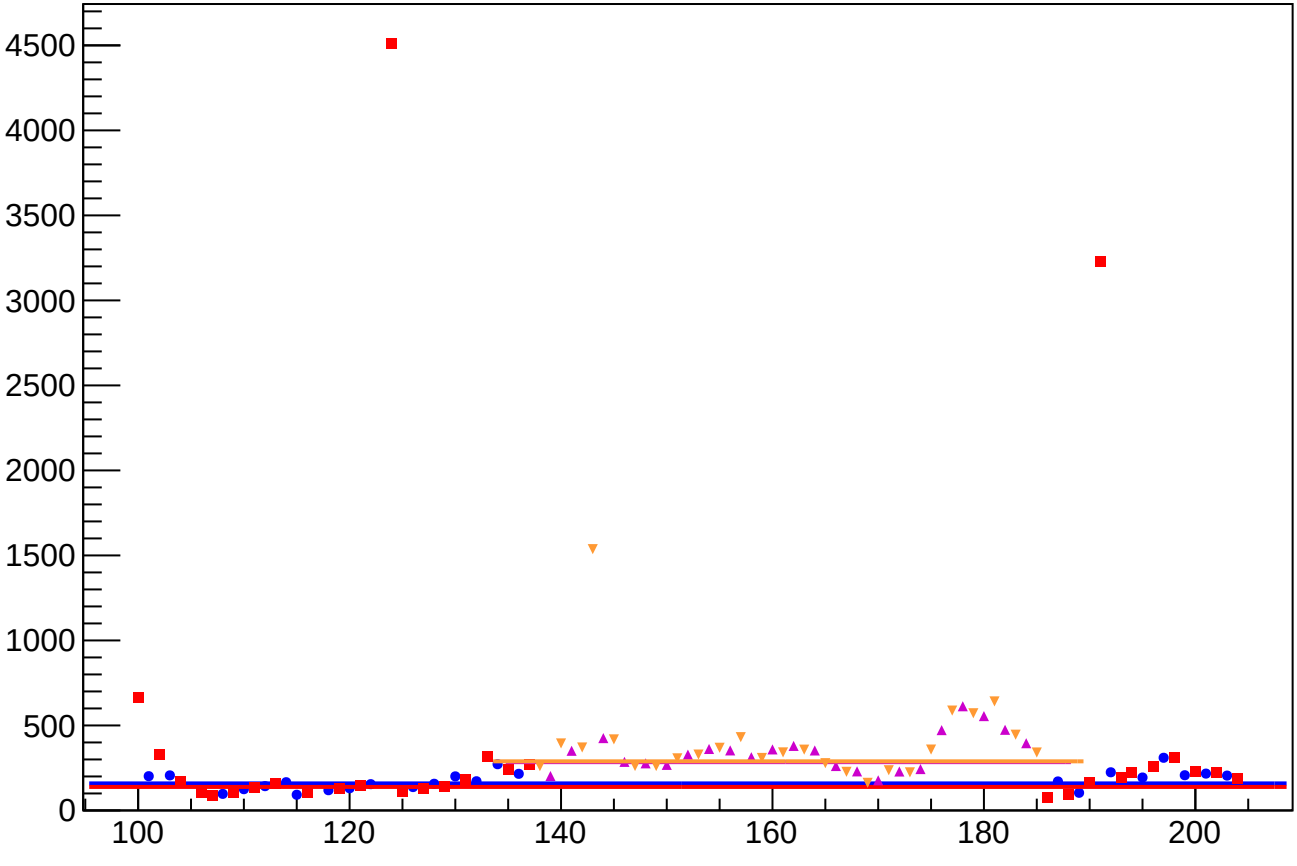
Right: 0.029+/-0.030 χ^2/NDF: 52.8/53

In: 0.069+/-0.039 χ^2/NDF:48.3/46

Out: -0.001+/-0.035 χ^2/NDF:59.6/54

All: 0.030+/-0.026 χ^2/NDF: 109.6/101

asym_at1_avg_at2_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 159.097+/-0.033 χ^2/NDF: 2214803.8/23

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

Right Out: 138.355+/-0.028 χ^2/NDF: 4659408.8/29

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

Left: 286.524+/-0.035 χ^2/NDF: 7730236.9/47

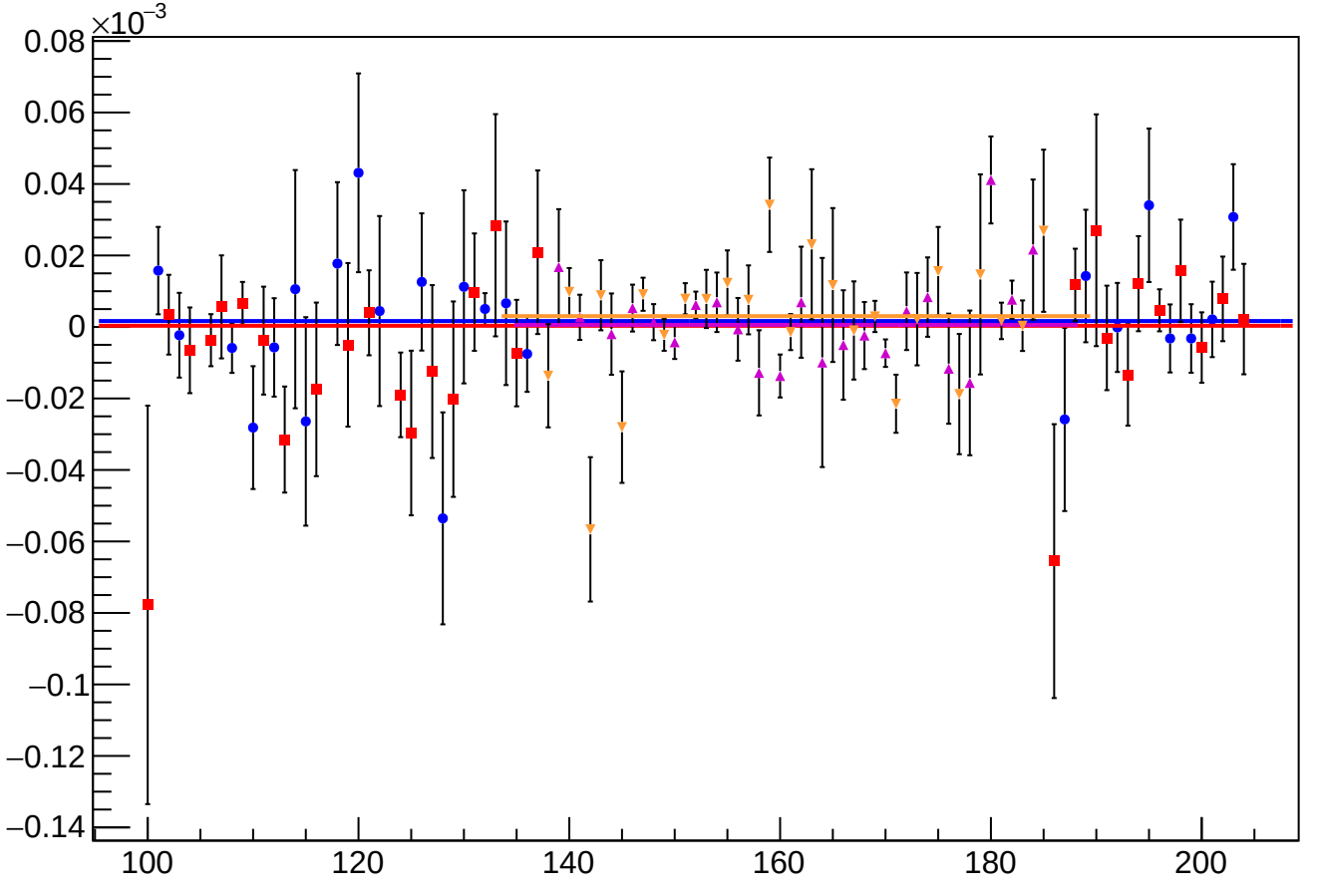
Right: 147.116+/-0.022 χ^2/NDF: 7100526.4/53

In: 197.499+/-0.028 χ^2/NDF:9666024.7/46

Out: 174.718+/-0.025 χ^2/NDF:16126227.8/54

All: 184.845+/-0.018 χ^2/NDF: 26171040.5/10

asym_at1_avg_at2_avg_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 23.2/23

Left Out: 0.000+/-0.000 χ^2/NDF:42.2/24

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

Left In: 0.000+/-0.000 χ^2/NDF:33.2/22

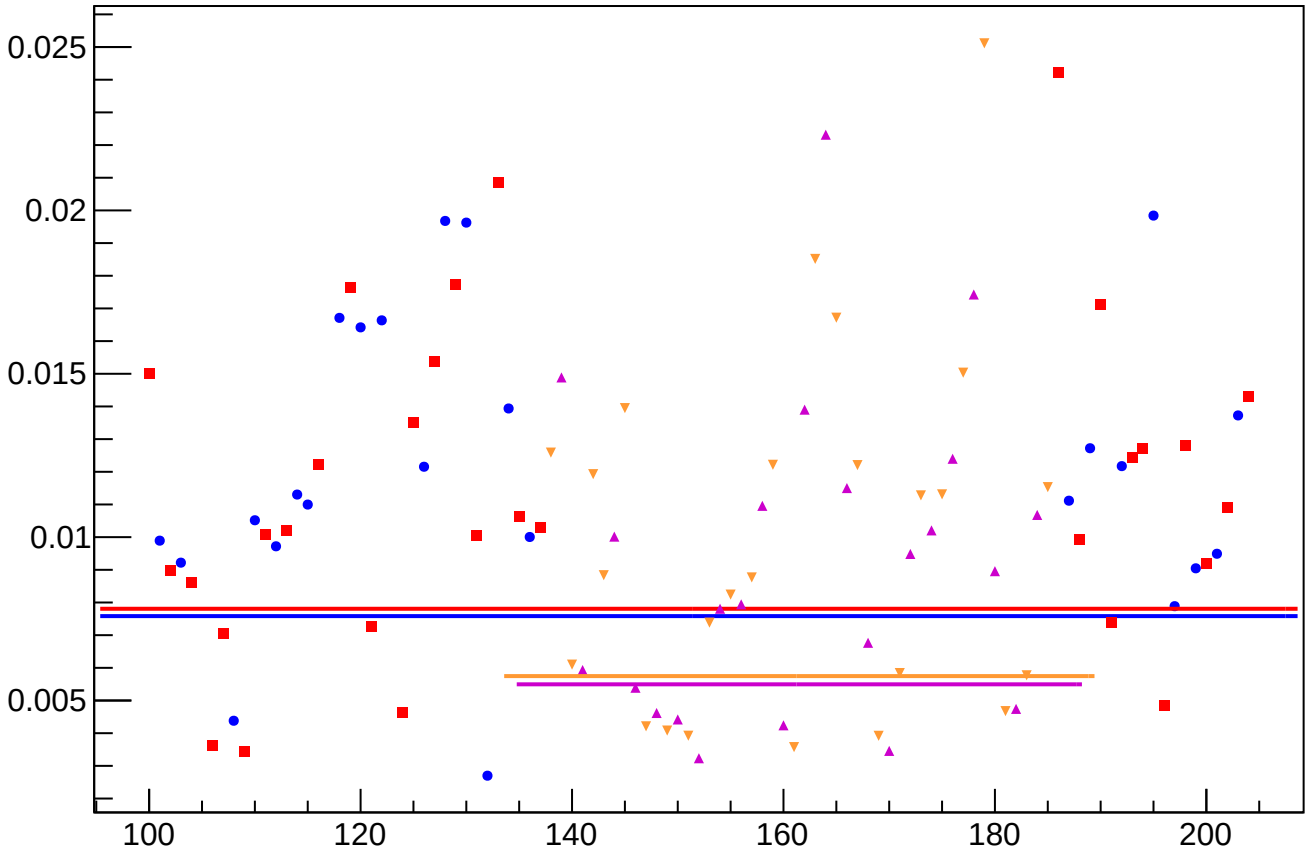
Left: 0.000+/-0.000 χ^2/NDF: 76.7/47

Right: 0.000+/-0.000 χ^2/NDF: 49.3/53

In: 0.000+/-0.000 χ^2/NDF:56.6/46

Out: 0.000+/-0.000 χ^2/NDF:69.1/54

All: 0.000+/-0.000 χ^2/NDF: 126.2/101



Right In: 0.008+/-0.000 χ^2/NDF: 6556165.2/23

Left Out: 0.006+/-0.000 χ^2/NDF:8128513.8/24

Right Out: 0.008+/-0.000 χ^2/NDF: 5952829.2/29

Left In: 0.005+/-0.000 χ^2/NDF:6937299.0/22

Left: 0.006+/-0.000 χ^2/NDF: 15093250.6/47

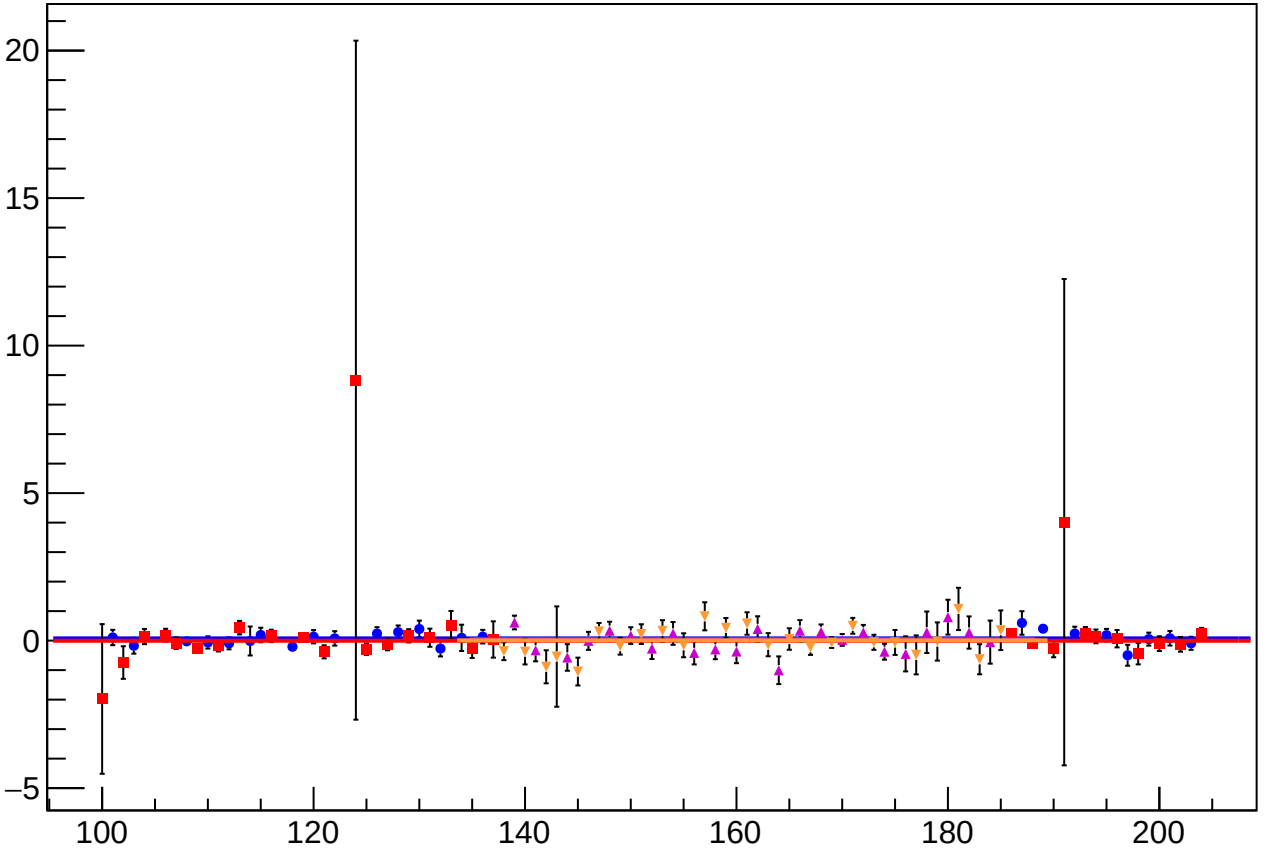
Right: 0.008+/-0.000 χ^2/NDF: 12517973.9/53

In: 0.006+/-0.000 χ^2/NDF:14537234.9/46

Out: 0.006+/-0.000 χ^2/NDF:15210789.0/54

All: 0.006+/-0.000 χ^2/NDF: 29807521.8/101

asym_at1_avg_at2_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.076+/-0.047 χ^2/NDF: 20.4/23

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.005+/-0.040 χ^2/NDF: 30.6/29

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

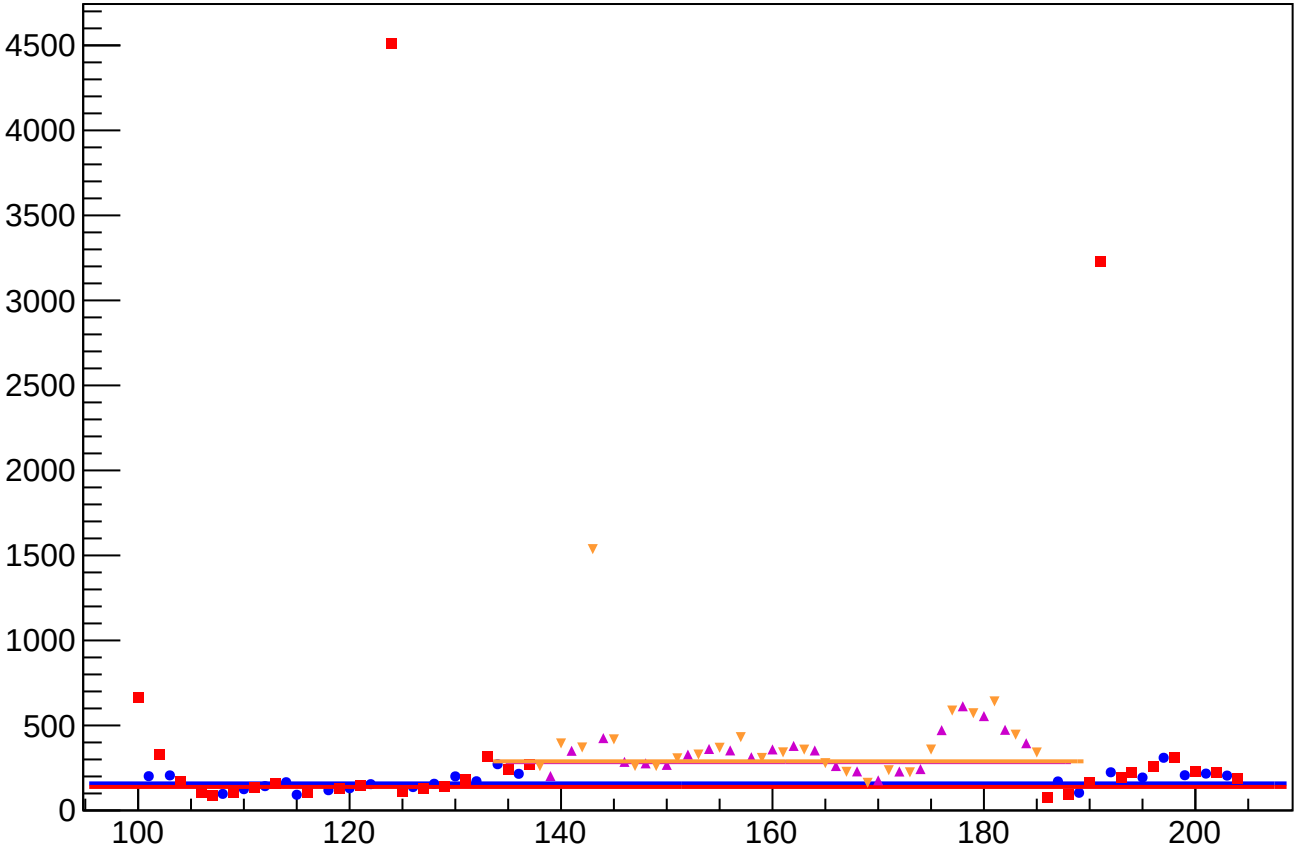
Right: 0.029+/-0.030 χ^2/NDF: 52.8/53

In: 0.069+/-0.039 χ^2/NDF:48.3/46

Out: -0.001+/-0.035 χ^2/NDF:59.5/54

All: 0.030+/-0.026 χ^2/NDF: 109.6/101

asym_at1_avg_at2_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 159.097+/-0.033 χ^2/NDF: 2214809.2/23

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

Right Out: 138.357+/-0.028 χ^2/NDF: 4659243.2/29

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

Left: 286.525+/-0.035 χ^2/NDF: 7730531.8/47

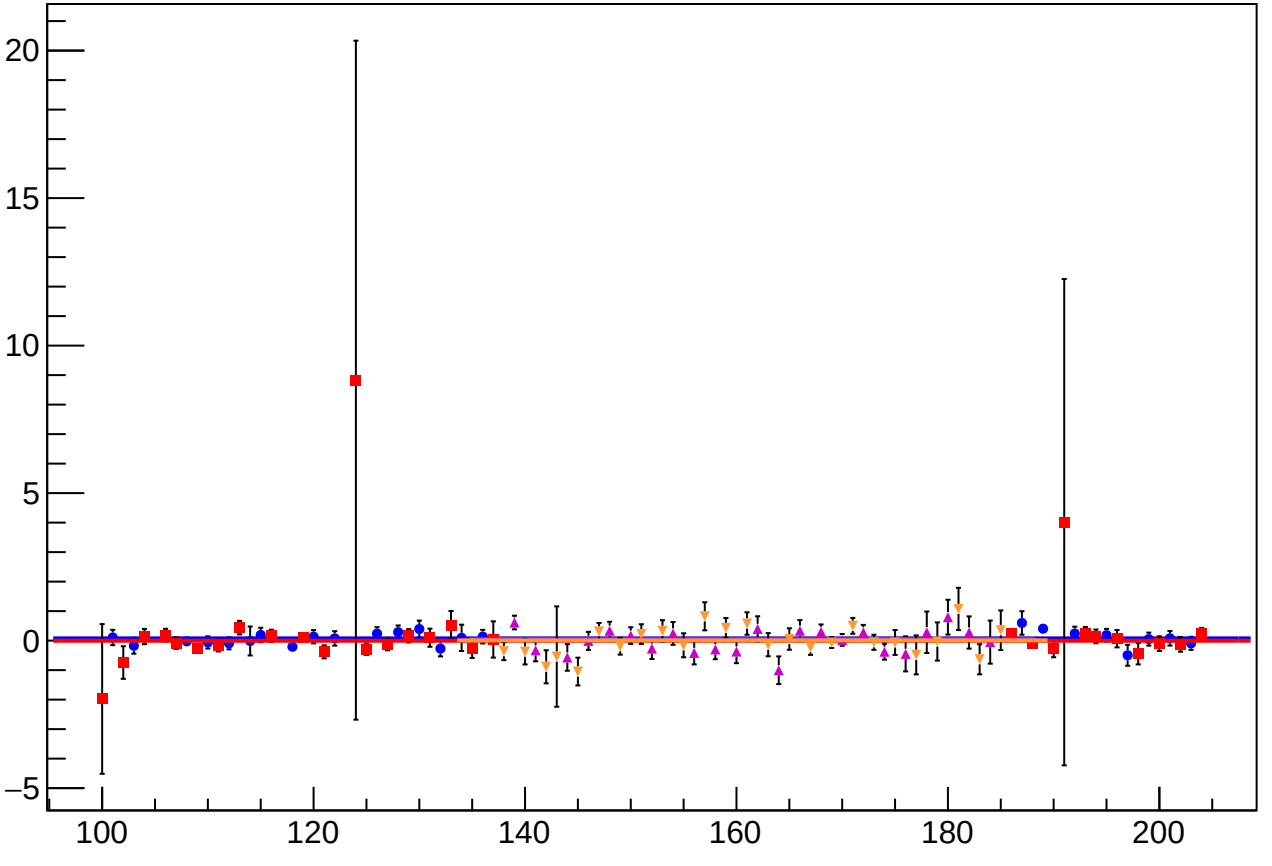
Right: 147.117+/-0.022 χ^2/NDF: 7100315.8/53

In: 197.498+/-0.028 χ^2/NDF:9666233.6/46

Out: 174.720+/-0.025 χ^2/NDF:16126036.6/54

All: 184.846+/-0.018 χ^2/NDF: 26170986.2/10

asym_at1_avg_at2_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.076+/-0.047 χ^2/NDF: 20.4/23

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.005+/-0.040 χ^2/NDF: 30.6/29

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

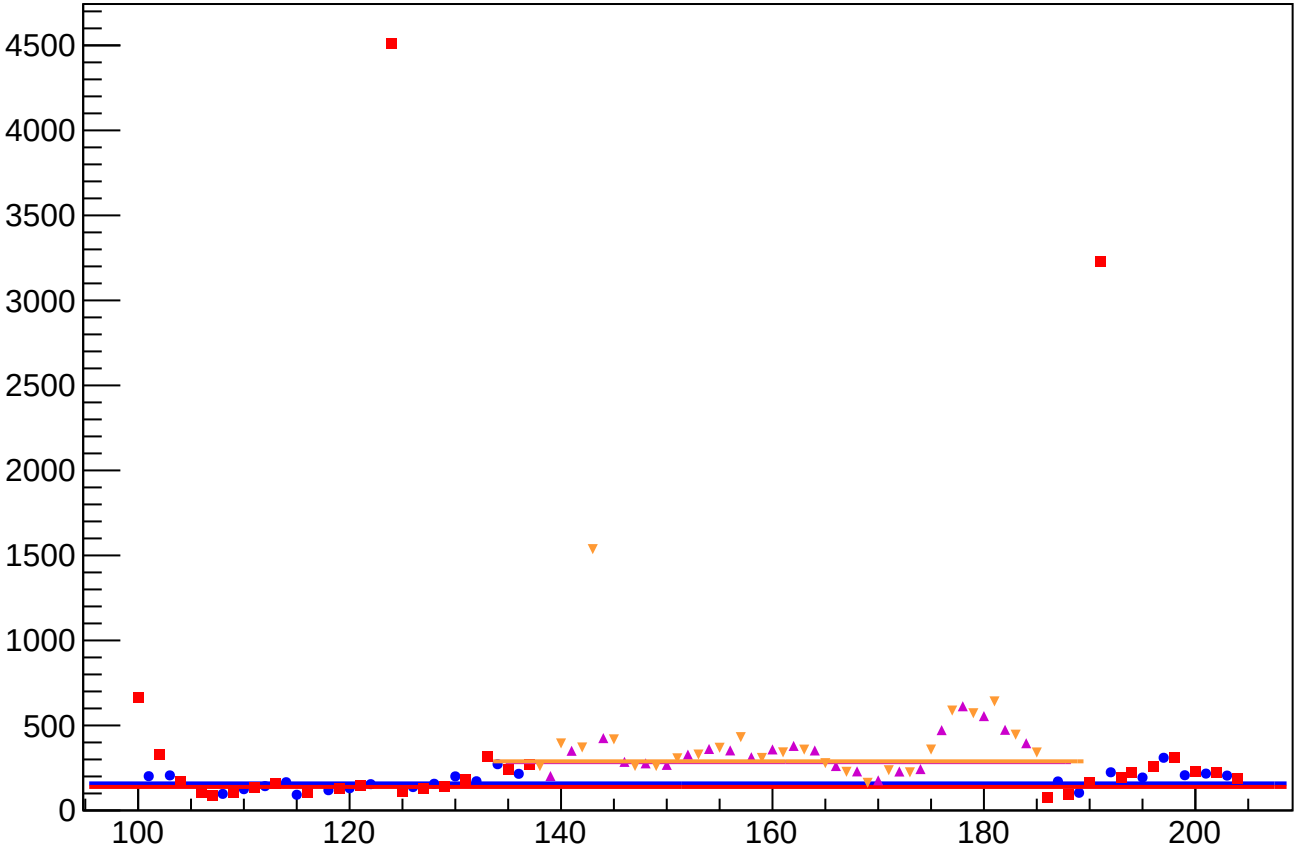
Right: 0.029+/-0.030 χ^2/NDF: 52.8/53

In: 0.069+/-0.039 χ^2/NDF:48.3/46

Out: -0.001+/-0.035 χ^2/NDF:59.5/54

All: 0.030+/-0.026 χ^2/NDF: 109.6/101

asym_at1_avg_at2_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 159.097+/-0.033 χ^2/NDF: 2214809.2/23

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

Right Out: 138.357+/-0.028 χ^2/NDF: 4659243.2/29

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

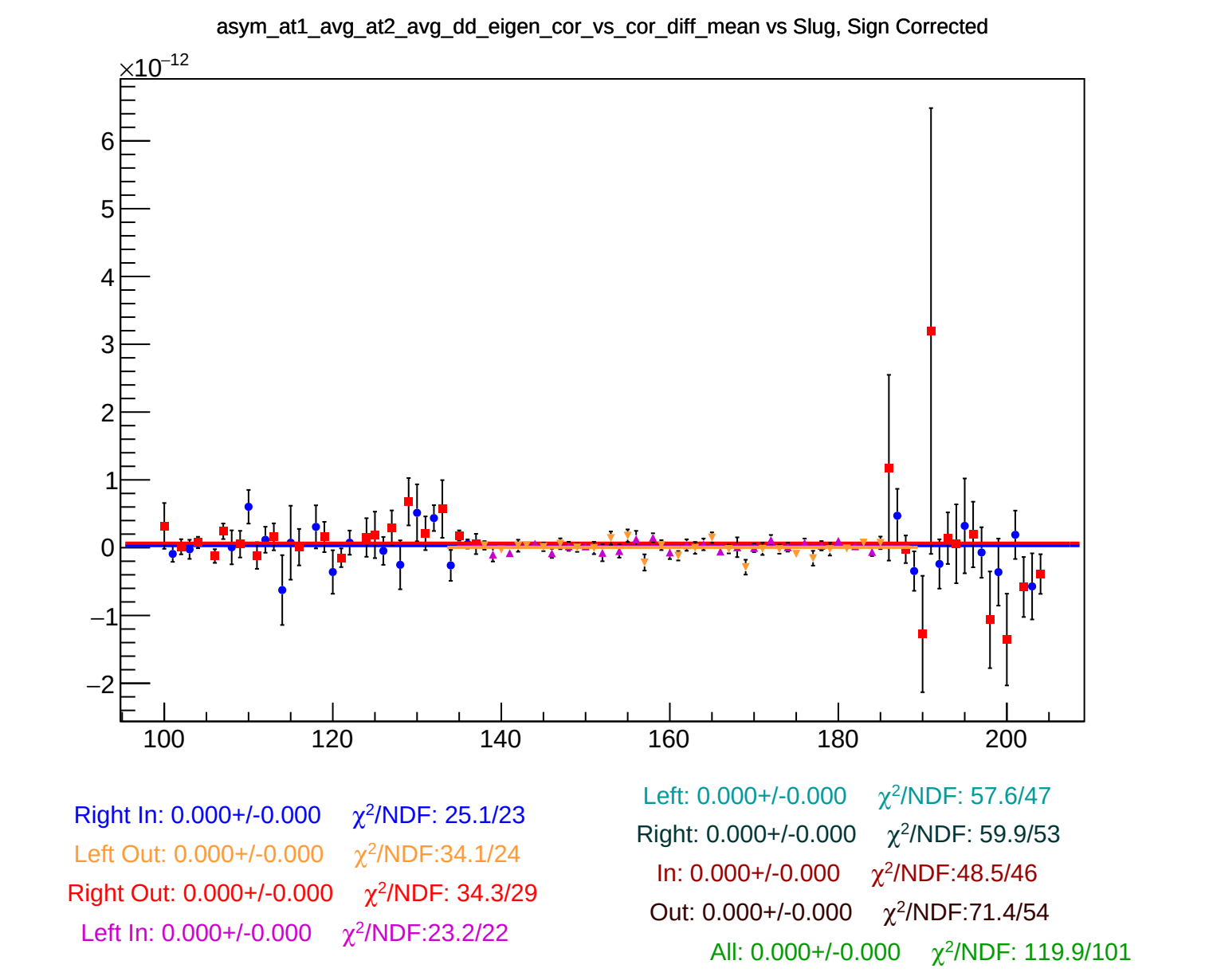
Left: 286.525+/-0.035 χ^2/NDF: 7730531.8/47

Right: 147.117+/-0.022 χ^2/NDF: 7100315.8/53

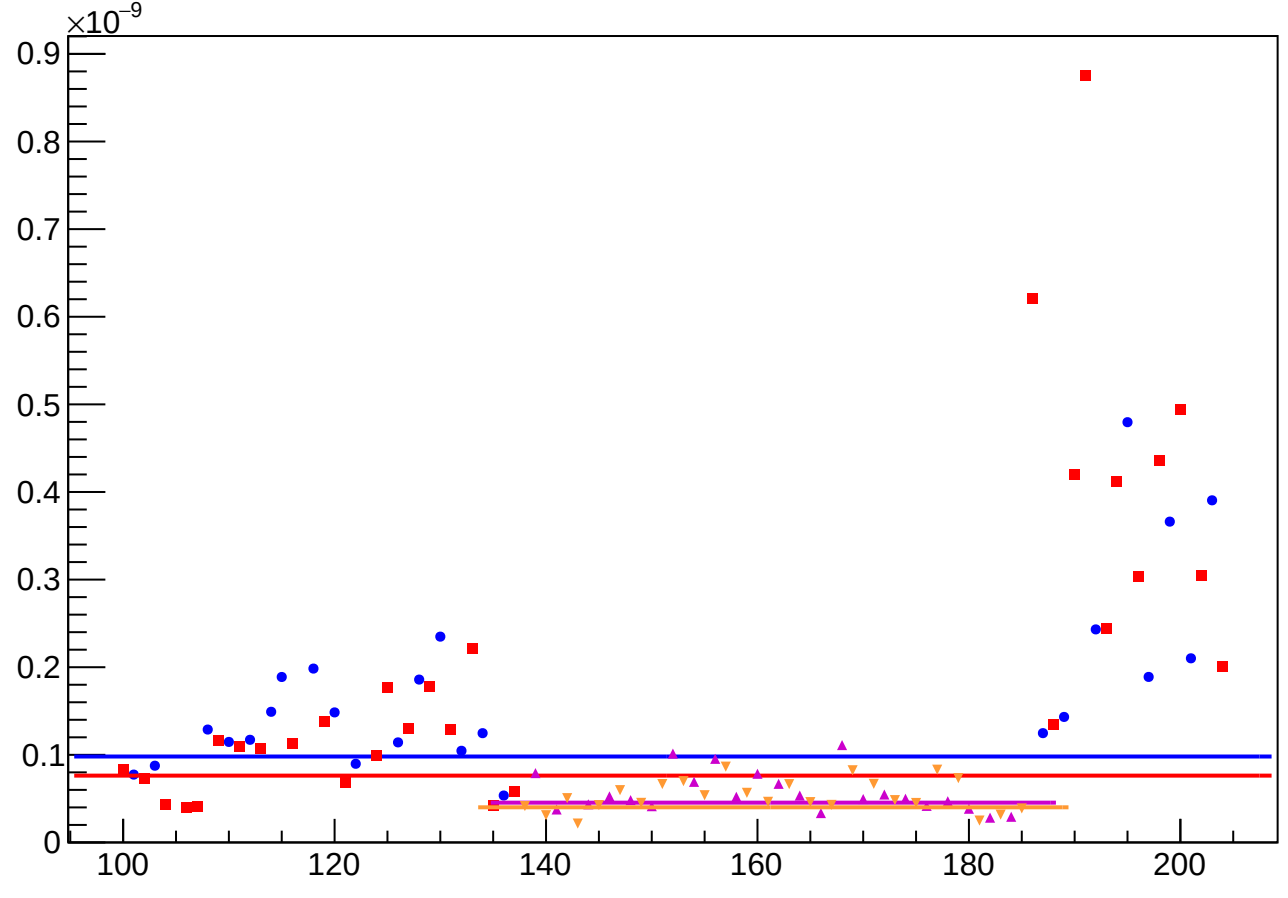
In: 197.498+/-0.028 χ^2/NDF:9666233.6/46

Out: 174.720+/-0.025 χ^2/NDF:16126036.6/54

All: 184.846+/-0.018 χ^2/NDF: 26170986.2/10


asym_at1_avg_at2_avg_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
6
5
4
3
2
1
0
−1
−2
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 25.1/23
Left Out: 0.000+/-0.000 χ²/NDF:34.1/24
Right Out: 0.000+/-0.000 χ²/NDF: 34.3/29
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: 59.9/53
In: 0.000+/-0.000 χ²/NDF:48.5/46
Out: 0.000+/-0.000 χ²/NDF:71.4/54
All: 0.000+/-0.000 χ²/NDF: 119.9/101

asym_at1_avg_at2_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 4310749.4/23

Left Out: 0.000+/-0.000 χ^2/NDF:3609934.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6944811.2/29

Left In: 0.000+/-0.000 χ^2/NDF:2780344.5/22

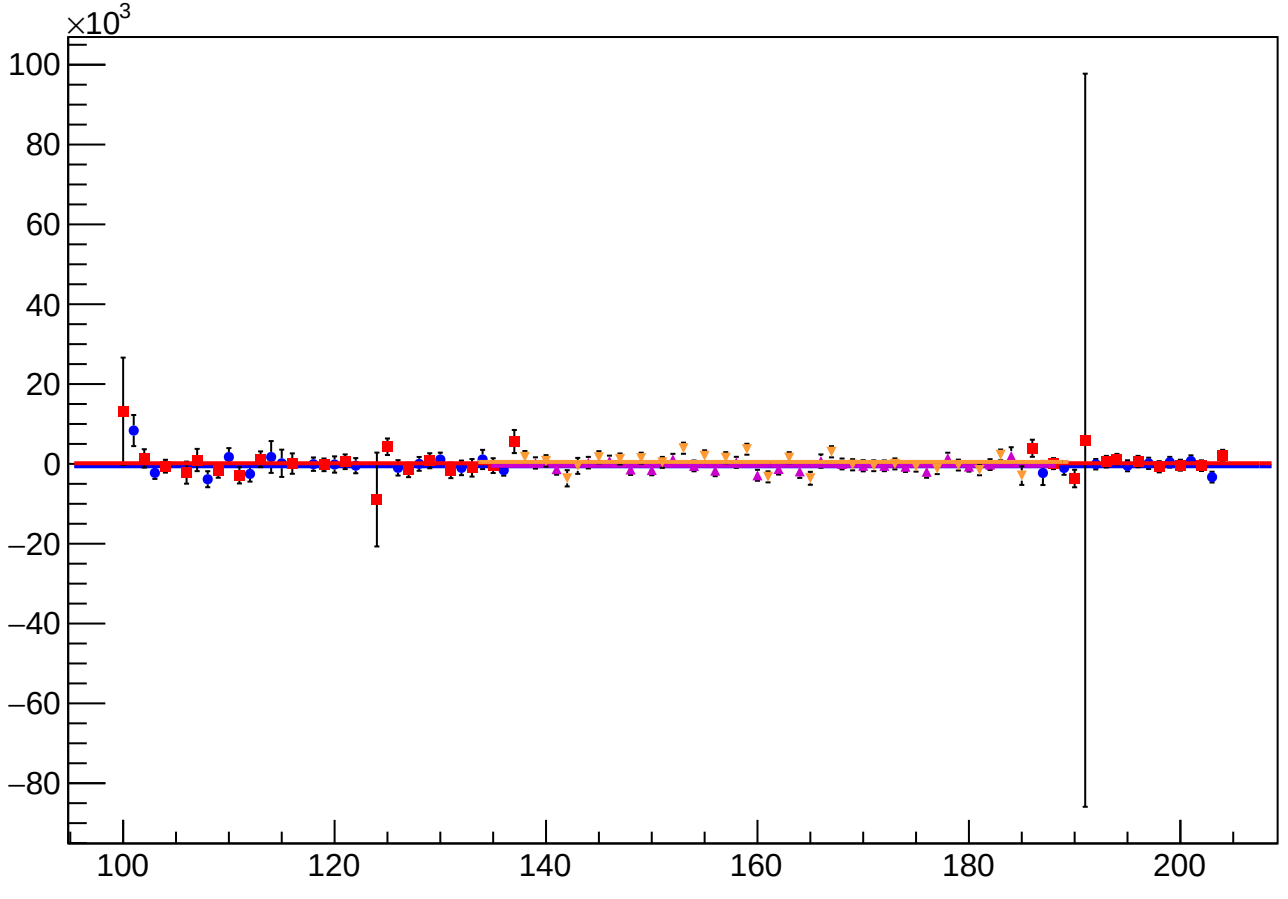
Left: 0.000+/-0.000 χ^2/NDF: 6559252.5/47

Right: 0.000+/-0.000 χ^2/NDF: 11599879.2/53

In: 0.000+/-0.000 χ^2/NDF:10080079.2/46

Out: 0.000+/-0.000 χ^2/NDF:12658284.9/54

All: 0.000+/-0.000 χ^2/NDF: 22995873.3/101



Right In: -598.215+/-357.099 χ^2/NDF: 20.2/23

Left Out: 492.062+/-288.495 χ^2/NDF:46.9/24

Right Out: 157.833+/-336.785 χ^2/NDF: 25.7/29

Left In: -486.821+/-293.769 χ^2/NDF:14.4/22

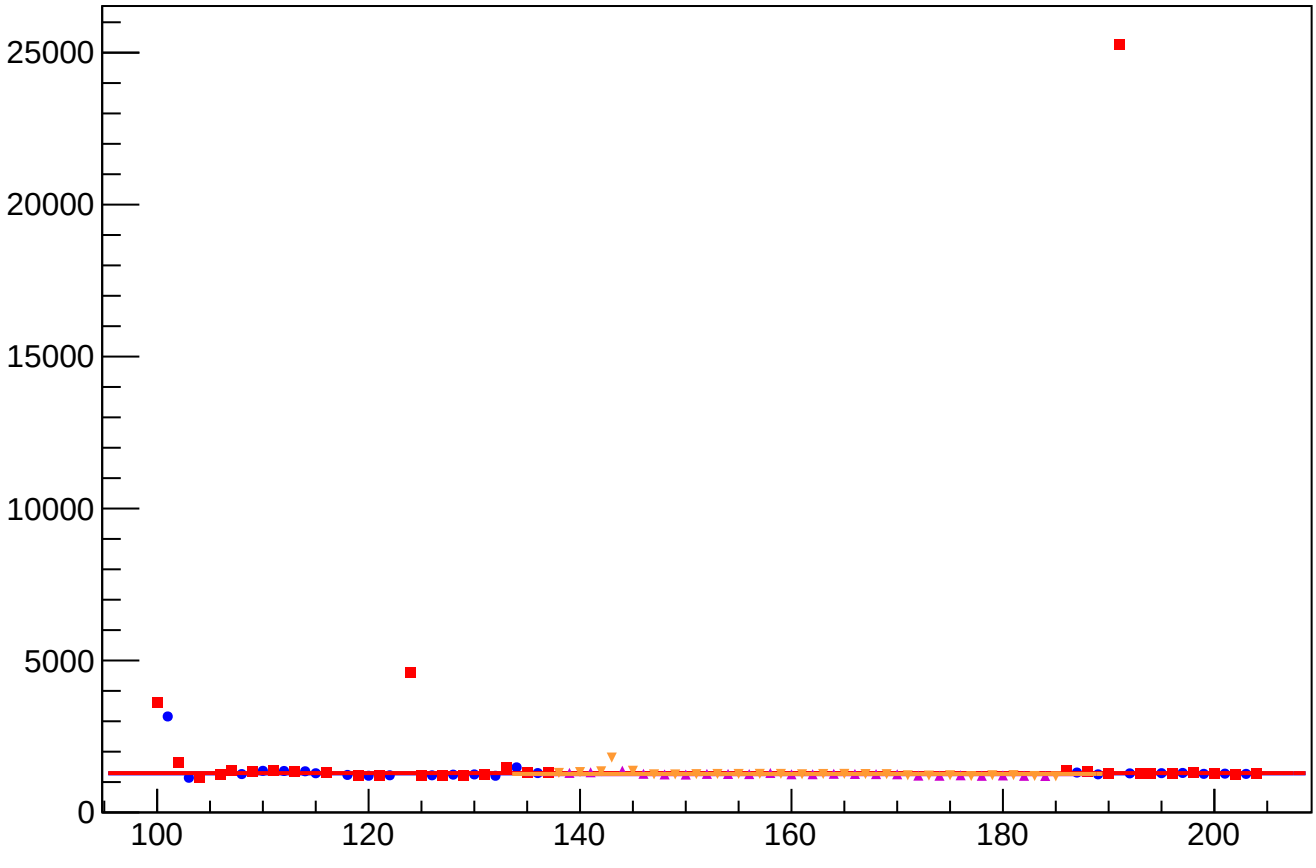
Left: 11.486+/-205.836 χ^2/NDF: 67.0/47

Right: -198.076+/-245.010 χ^2/NDF: 48.3/53

In: -531.781+/-226.866 χ^2/NDF:34.7/46

Out: 350.607+/-219.099 χ^2/NDF:73.2/54

All: -75.223+/-157.601 χ^2/NDF: 115.7/101



Right In: 1285.301+/-0.253 χ^2/NDF: 516525.6/23

Left Out: 1266.967+/-0.204 χ^2/NDF:187545.6/24

Right Out: 1295.521+/-0.238 χ^2/NDF: 468116.8/29

Left In: 1257.551+/-0.208 χ^2/NDF:36816.4/22

Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

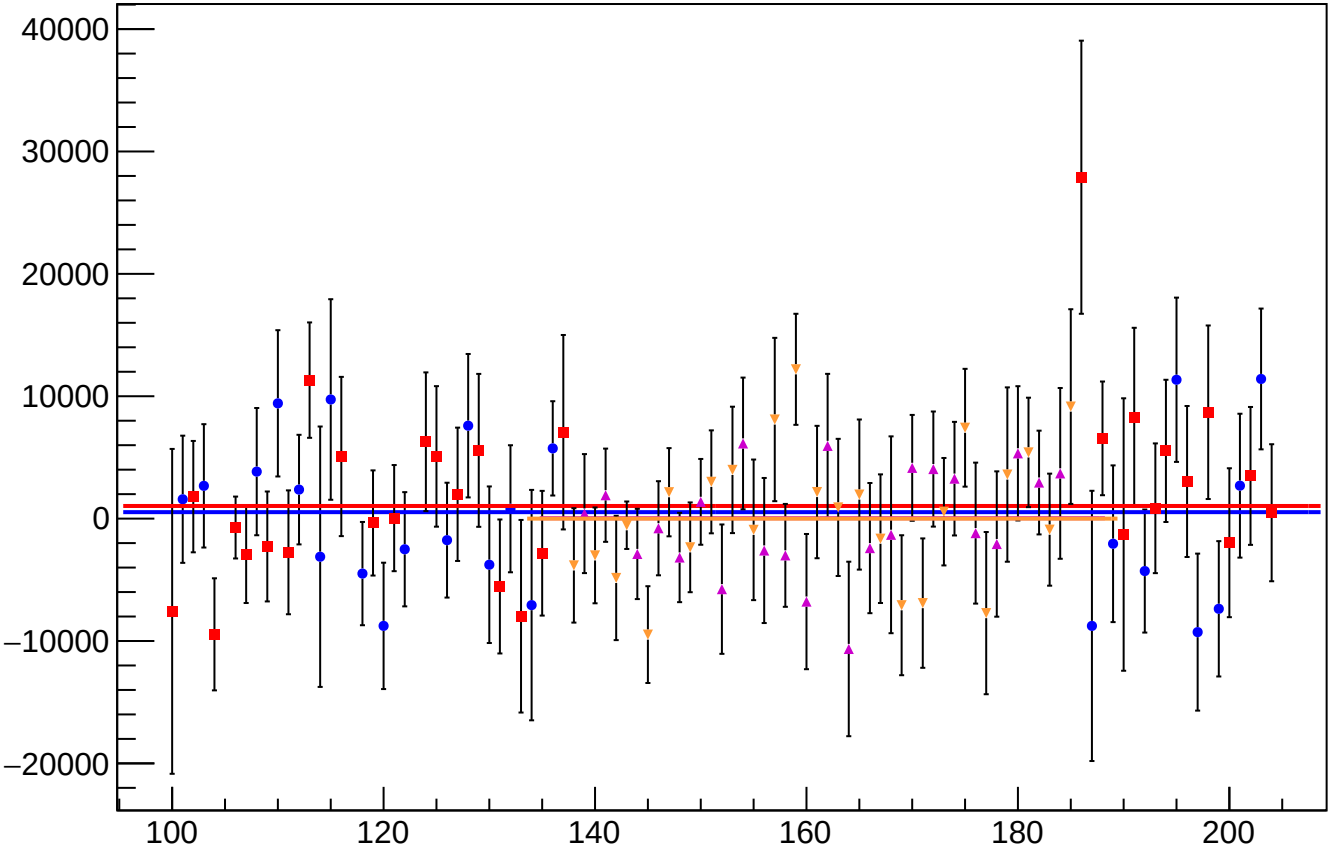
Right: 1290.716+/-0.173 χ^2/NDF: 985510.4/53

In: 1268.751+/-0.160 χ^2/NDF:560544.4/46

Out: 1279.069+/-0.155 χ^2/NDF:663965.9/54

All: 1274.093+/-0.111 χ^2/NDF: 1226652.1/10

asym_atl1r2_dd_atl2r1_dd_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 528.534+/-1132.348 χ^2/NDF: 26.6/23

Left Out: -0.604+/-886.488 χ^2/NDF:29.1/24

Right Out: 1033.051+/-956.478 χ^2/NDF: 29.9/29

Left In: 31.593+/-995.348 χ^2/NDF:14.0/22

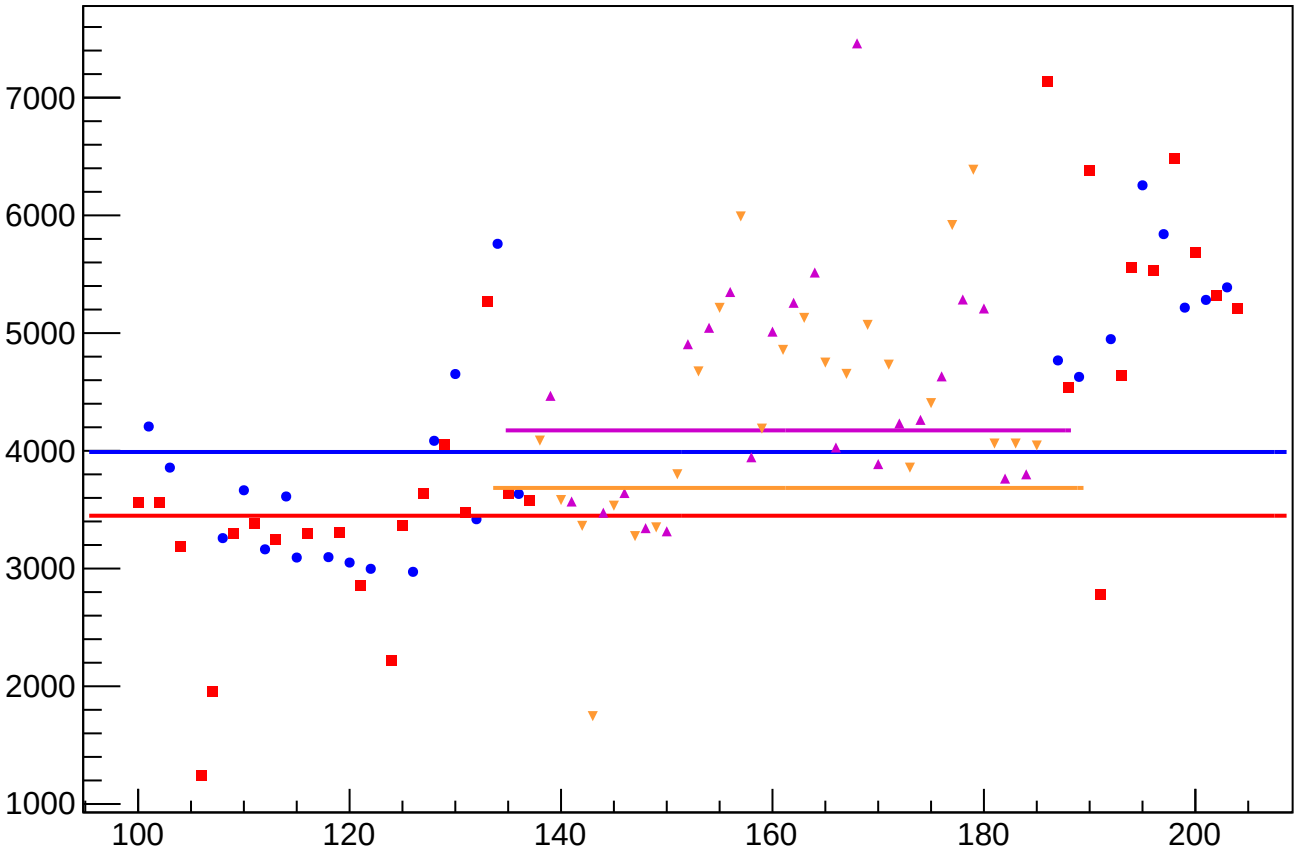
Left: 13.638+/-661.996 χ^2/NDF: 43.1/47

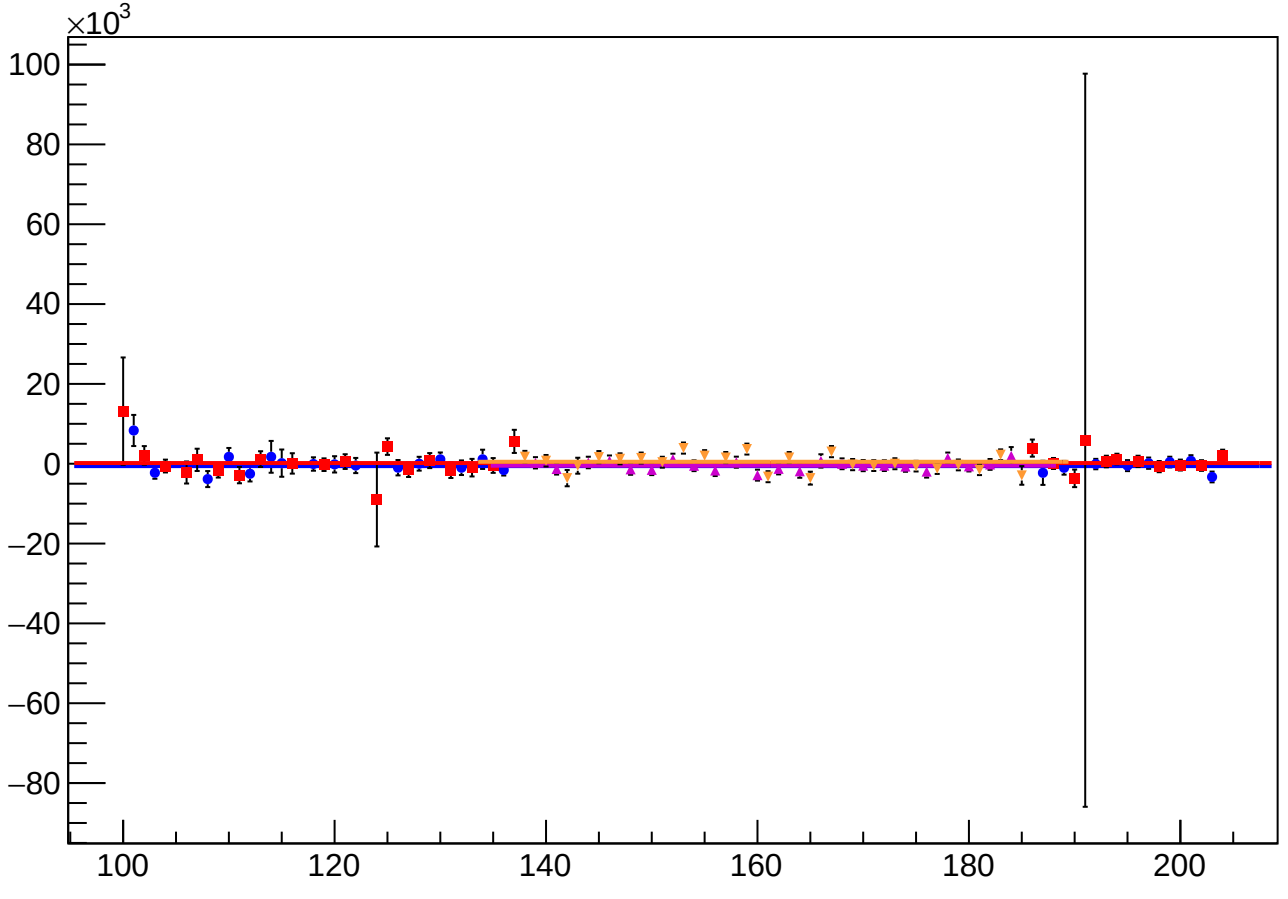
Right: 822.972+/-730.691 χ^2/NDF: 56.6/53

In: 248.198+/-747.587 χ^2/NDF:40.7/46

Out: 477.025+/-650.179 χ^2/NDF:59.6/54

All: 378.481+/-490.595 χ^2/NDF: 100.4/101


asym_atl1r2_dd_atl2r1_dd_dd_reg_correction_rms vs Slug, Sign Corrected
7000
6000
5000
4000
3000
2000
1000
100
120
140
160
180
200
Right In: 3990.167+/-0.801 χ²/NDF: 1429193.0/23
Left Out: 3684.769+/-0.627 χ²/NDF:3693646.6/24
Right Out: 3448.723+/-0.676 χ²/NDF: 4215986.4/29
Left In: 4173.556+/-0.704 χ²/NDF:1274968.4/22
Left: 3900.981+/-0.468 χ²/NDF: 5237573.9/47
Right: 3674.179+/-0.517 χ²/NDF: 5912046.9/53
In: 4093.621+/-0.529 χ²/NDF:2733754.5/46
Out: 3575.697+/-0.460 χ²/NDF:7975155.8/54
All: 3798.740+/-0.347 χ²/NDF: 11255447.4/1



Right In: -598.388+/-357.099 χ^2/NDF: 20.1/23

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: 171.779+/-336.892 χ^2/NDF: 26.1/29

Left In: -486.720+/-293.769 χ^2/NDF:14.4/22

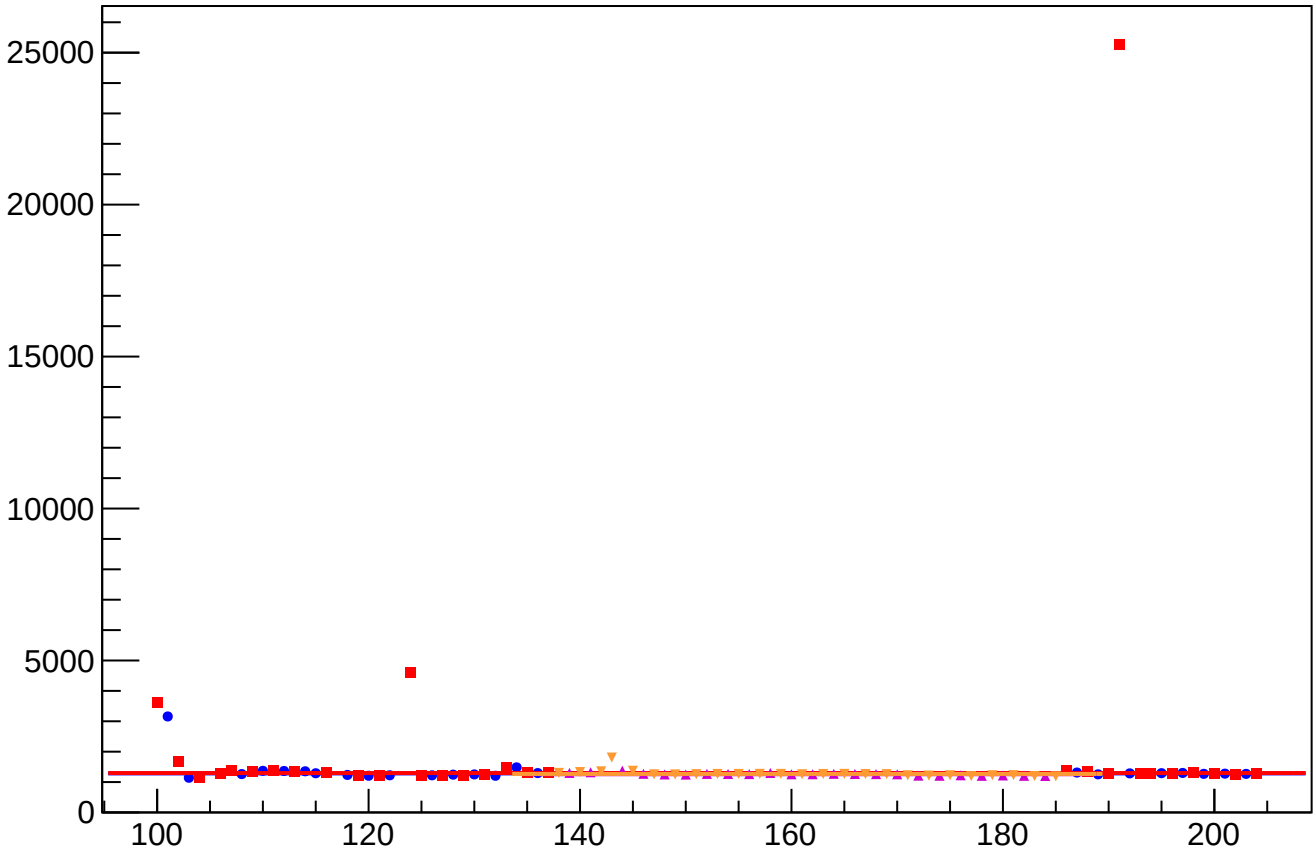
Left: 11.544+/-205.836 χ^2/NDF: 67.0/47

Right: -190.898+/-245.051 χ^2/NDF: 48.8/53

In: -531.791+/-226.866 χ^2/NDF:34.6/46

Out: 356.568+/-219.128 χ^2/NDF:73.6/54

All: -72.202+/-157.612 χ^2/NDF: 116.1/101



Right In: 1285.301+/-0.253 χ^2/NDF: 516527.0/23

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

Right Out: 1296.485+/-0.238 χ^2/NDF: 474774.8/29

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

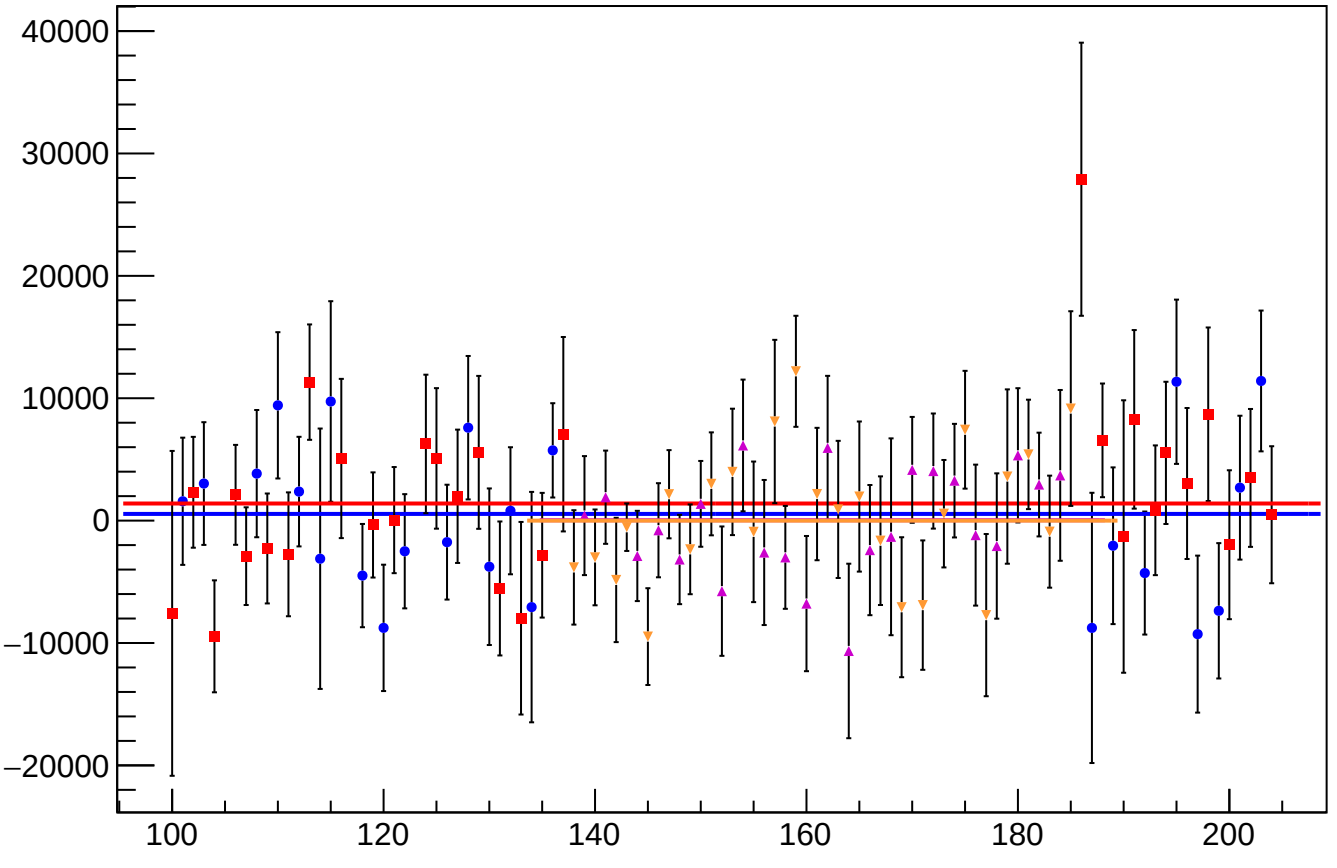
Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

Right: 1291.223+/-0.173 χ^2/NDF: 992340.6/53

In: 1268.751+/-0.160 χ^2/NDF:560545.8/46

Out: 1279.468+/-0.155 χ^2/NDF:671187.1/54

All: 1274.298+/-0.111 χ^2/NDF: 1234042.6/10



Right In: 547.490+/-1132.064 χ^2/NDF: 26.6/23

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

Right Out: 1398.163+/-1001.314 χ^2/NDF: 29.4/29

Left In: 31.597+/-995.347 χ^2/NDF:14.0/22

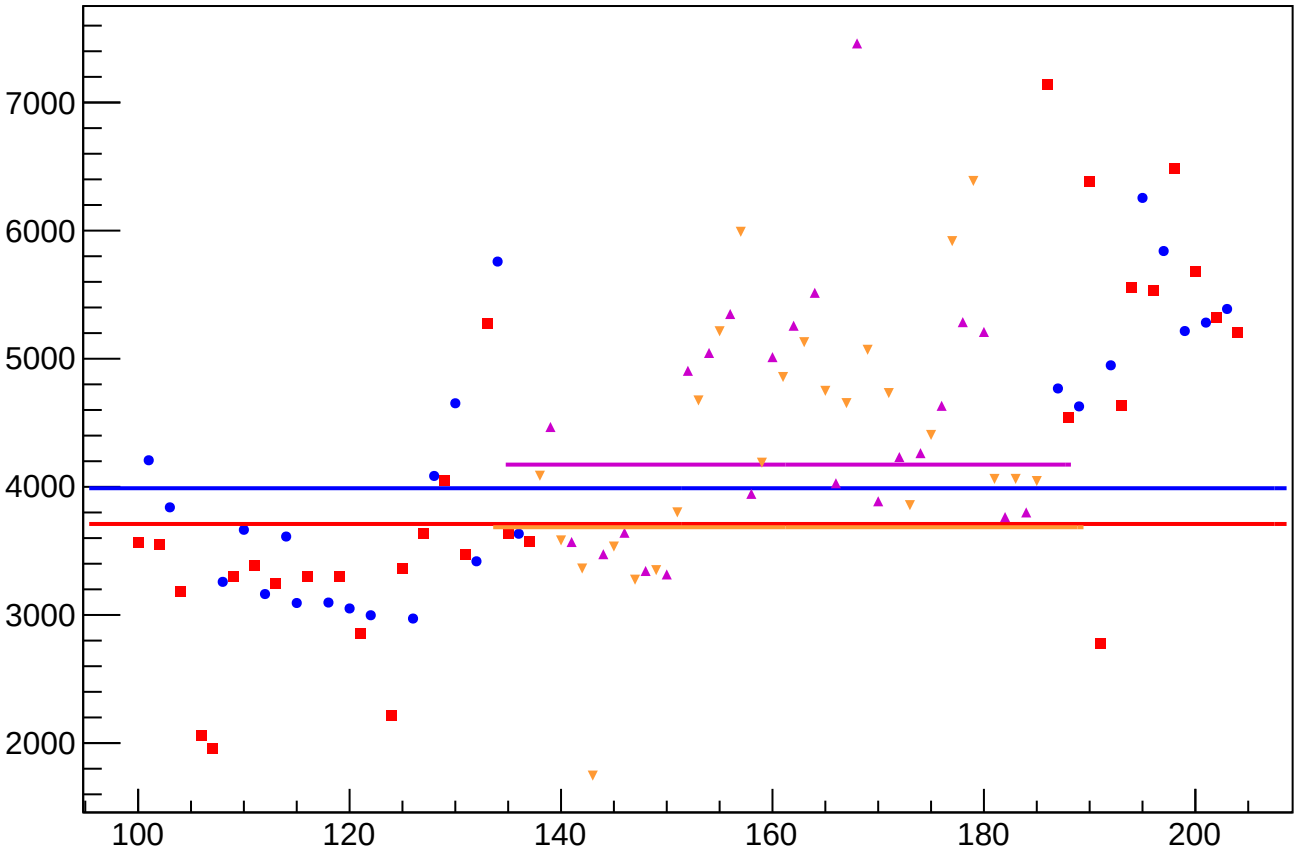
Left: 13.675+/-661.996 χ^2/NDF: 43.1/47

Right: 1024.767+/-750.022 χ^2/NDF: 56.4/53

In: 256.526+/-747.505 χ^2/NDF:40.8/46

Out: 614.047+/-663.742 χ^2/NDF:59.6/54

All: 456.432+/-496.320 χ^2/NDF: 100.5/101



Right In: 3989.258+/-0.800 χ^2/NDF: 1429635.7/23

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

Right Out: 3710.282+/-0.708 χ^2/NDF: 2787691.8/29

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

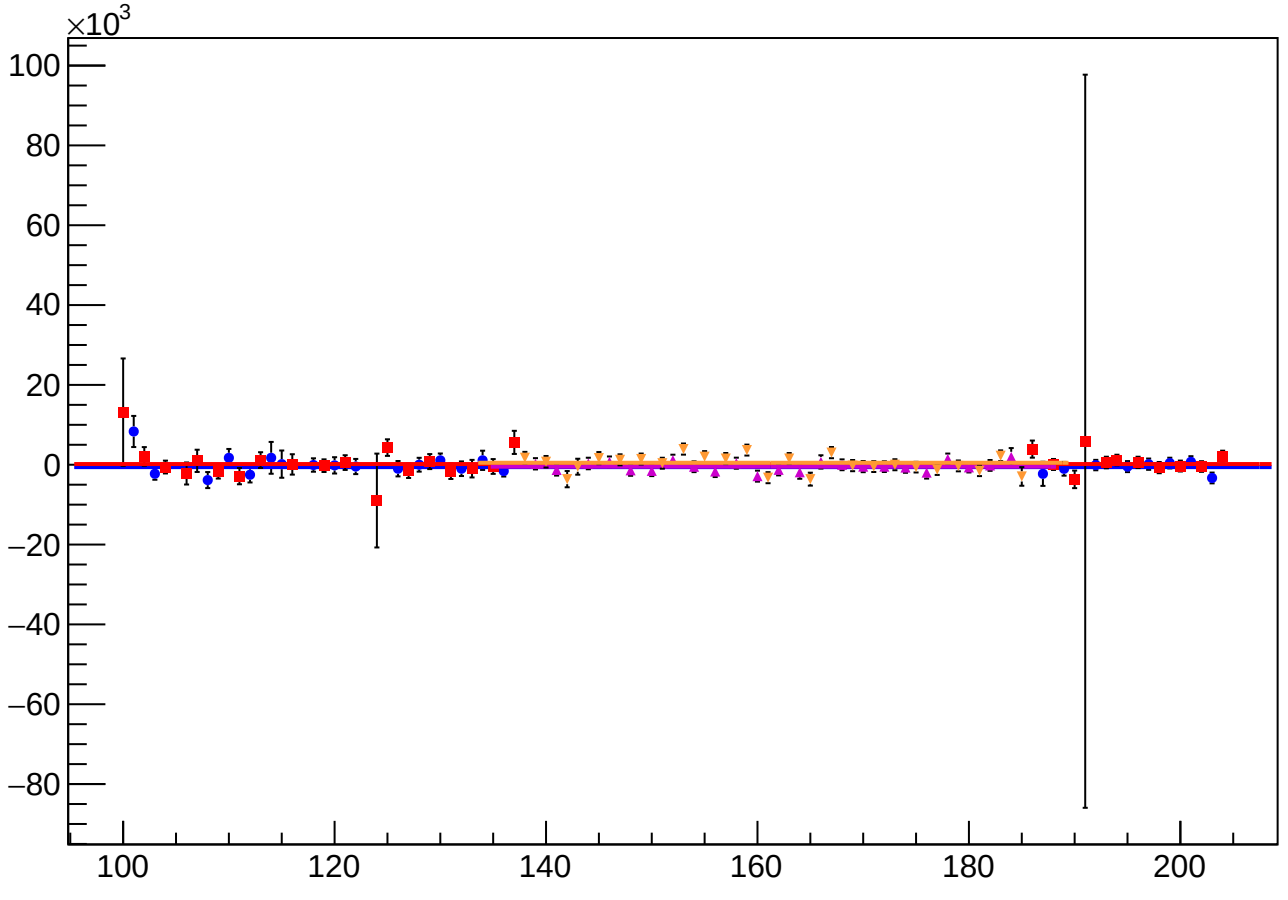
Left: 3900.975+/-0.468 χ^2/NDF: 5237615.0/47

Right: 3832.736+/-0.530 χ^2/NDF: 4285471.9/53

In: 4093.199+/-0.529 χ^2/NDF:2734496.9/46

Out: 3695.975+/-0.469 χ^2/NDF:6482107.3/54

All: 3871.093+/-0.351 χ^2/NDF: 9532392.7/10



Right In: -598.388+/-357.099 χ^2/NDF: 20.1/23

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: 171.779+/-336.892 χ^2/NDF: 26.1/29

Left In: -486.720+/-293.769 χ^2/NDF:14.4/22

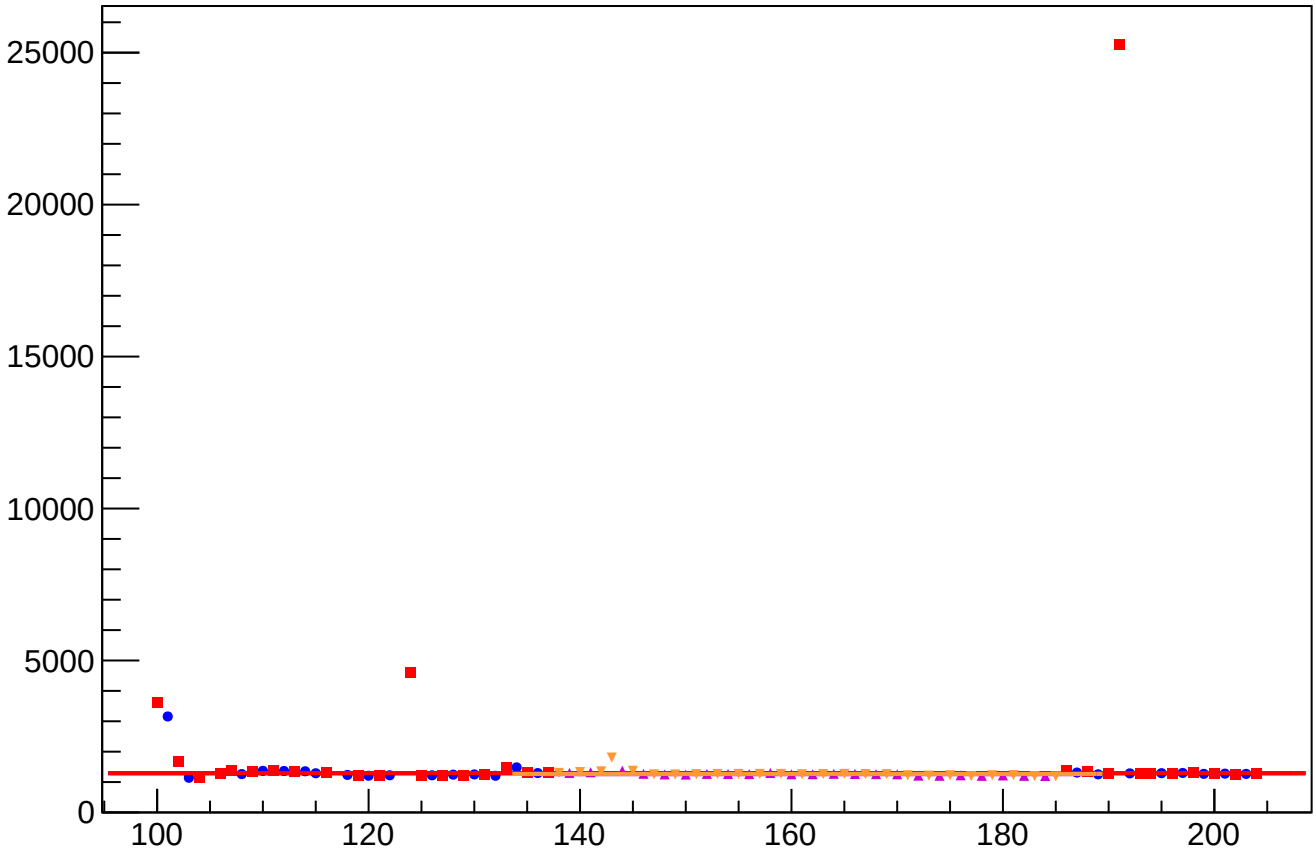
Left: 11.544+/-205.836 χ^2/NDF: 67.0/47

Right: -190.898+/-245.051 χ^2/NDF: 48.8/53

In: -531.791+/-226.866 χ^2/NDF:34.6/46

Out: 356.568+/-219.128 χ^2/NDF:73.6/54

All: -72.202+/-157.612 χ^2/NDF: 116.1/101



Right In: 1285.301+/-0.253 χ^2/NDF: 516527.0/23

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

Right Out: 1296.485+/-0.238 χ^2/NDF: 474774.8/29

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

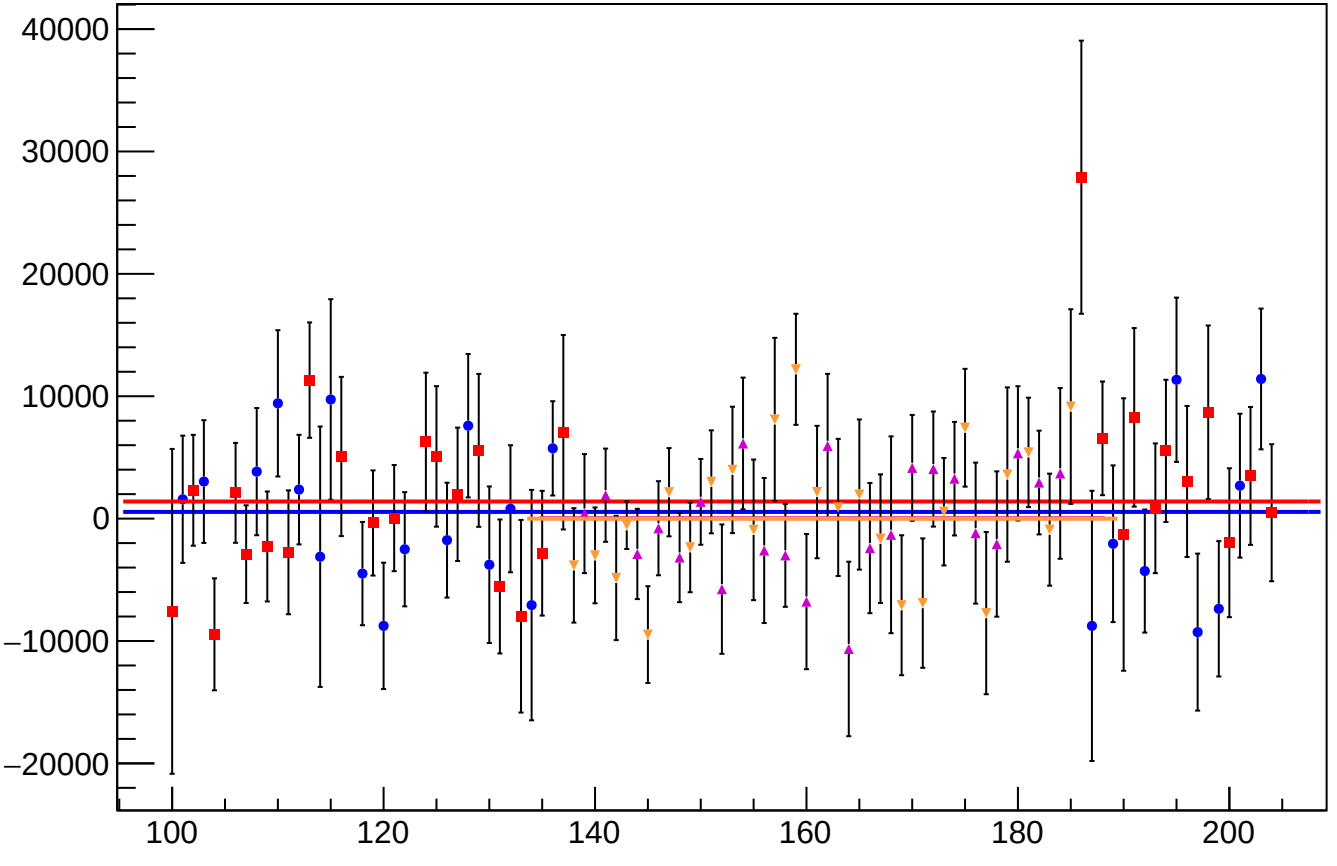
Right: 1291.223+/-0.173 χ^2/NDF: 992340.6/53

In: 1268.751+/-0.160 χ^2/NDF:560545.8/46

Out: 1279.468+/-0.155 χ^2/NDF:671187.1/54

All: 1274.298+/-0.111 χ^2/NDF: 1234042.6/10

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 547.490+/-1132.064 χ^2/NDF: 26.6/23

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

Right Out: 1398.163+/-1001.314 χ^2/NDF: 29.4/29

Left In: 31.597+/-995.347 χ^2/NDF:14.0/22

Left: 13.675+/-661.996 χ^2/NDF: 43.1/47

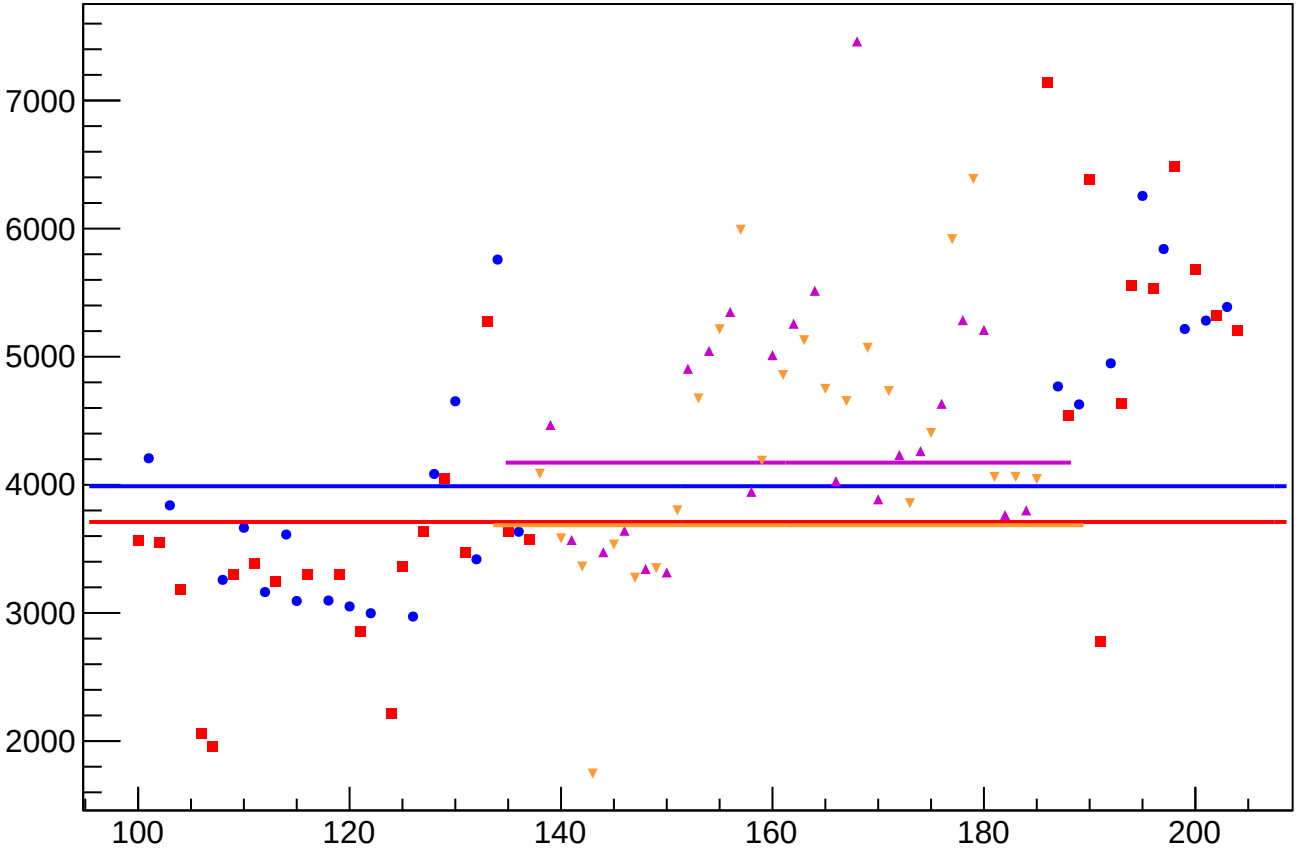
Right: 1024.767+/-750.022 χ^2/NDF: 56.4/53

In: 256.526+/-747.505 χ^2/NDF:40.8/46

Out: 614.047+/-663.742 χ^2/NDF:59.6/54

All: 456.432+/-496.320 χ^2/NDF: 100.5/101

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 3989.258+/-0.800 χ^2/NDF: 1429635.7/23

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

Right Out: 3710.282+/-0.708 χ^2/NDF: 2787691.8/29

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

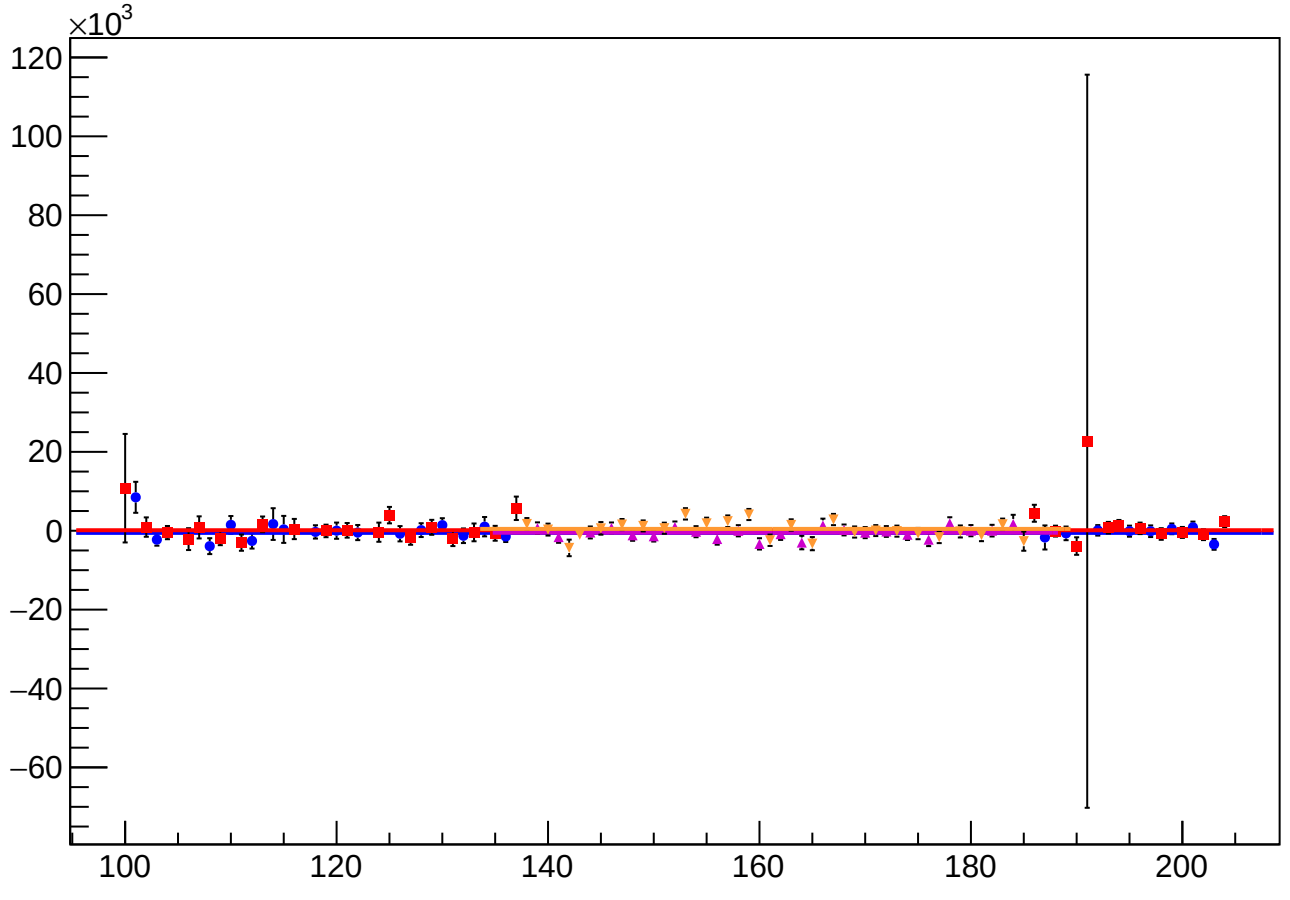
Left: 3900.975+/-0.468 χ^2/NDF: 5237615.0/47

Right: 3832.736+/-0.530 χ^2/NDF: 4285471.9/53

In: 4093.199+/-0.529 χ^2/NDF:2734496.9/46

Out: 3695.975+/-0.469 χ^2/NDF:6482107.3/54

All: 3871.093+/-0.351 χ^2/NDF: 9532392.7/10



Right In: -539.414+/-362.408 χ^2/NDF: 20.7/23

Left Out: 467.929+/-294.257 χ^2/NDF:44.1/24

Right Out: 126.590+/-339.394 χ^2/NDF: 27.3/29

Left In: -503.558+/-307.055 χ^2/NDF:17.4/22

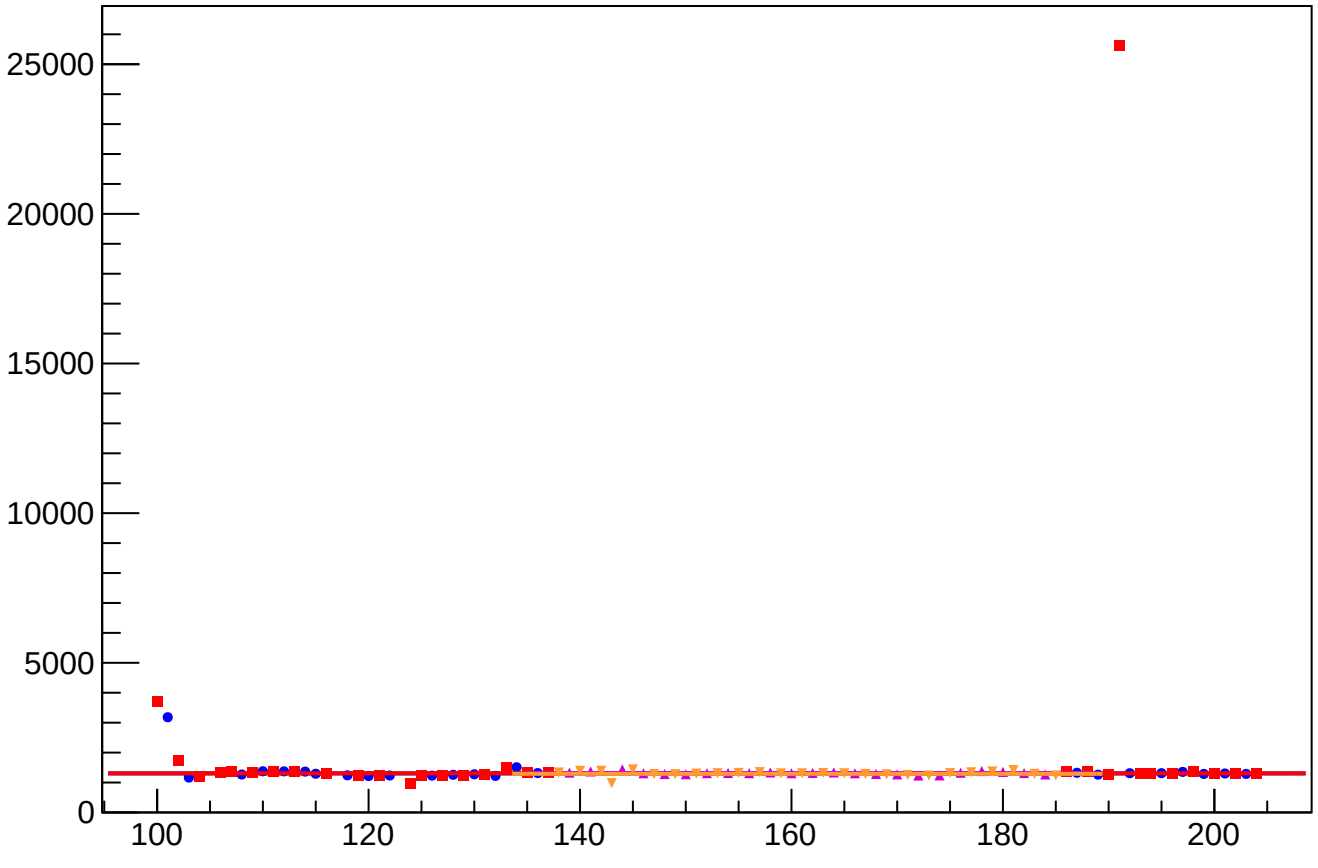
Left: 2.853+/-212.452 χ^2/NDF: 66.7/47

Right: -184.596+/-247.725 χ^2/NDF: 49.8/53

In: -518.542+/-234.274 χ^2/NDF:38.1/46

Out: 321.452+/-222.329 χ^2/NDF:72.0/54

All: -76.587+/-161.268 χ^2/NDF: 116.9/101



Right In: 1304.314+/-0.256 χ^2/NDF: 514914.1/23

Left Out: 1291.211+/-0.208 χ^2/NDF:230735.1/24

Right Out: 1307.876+/-0.240 χ^2/NDF: 363539.1/29

Left In: 1314.006+/-0.217 χ^2/NDF:43044.7/22

Left: 1302.123+/-0.150 χ^2/NDF: 279525.5/47

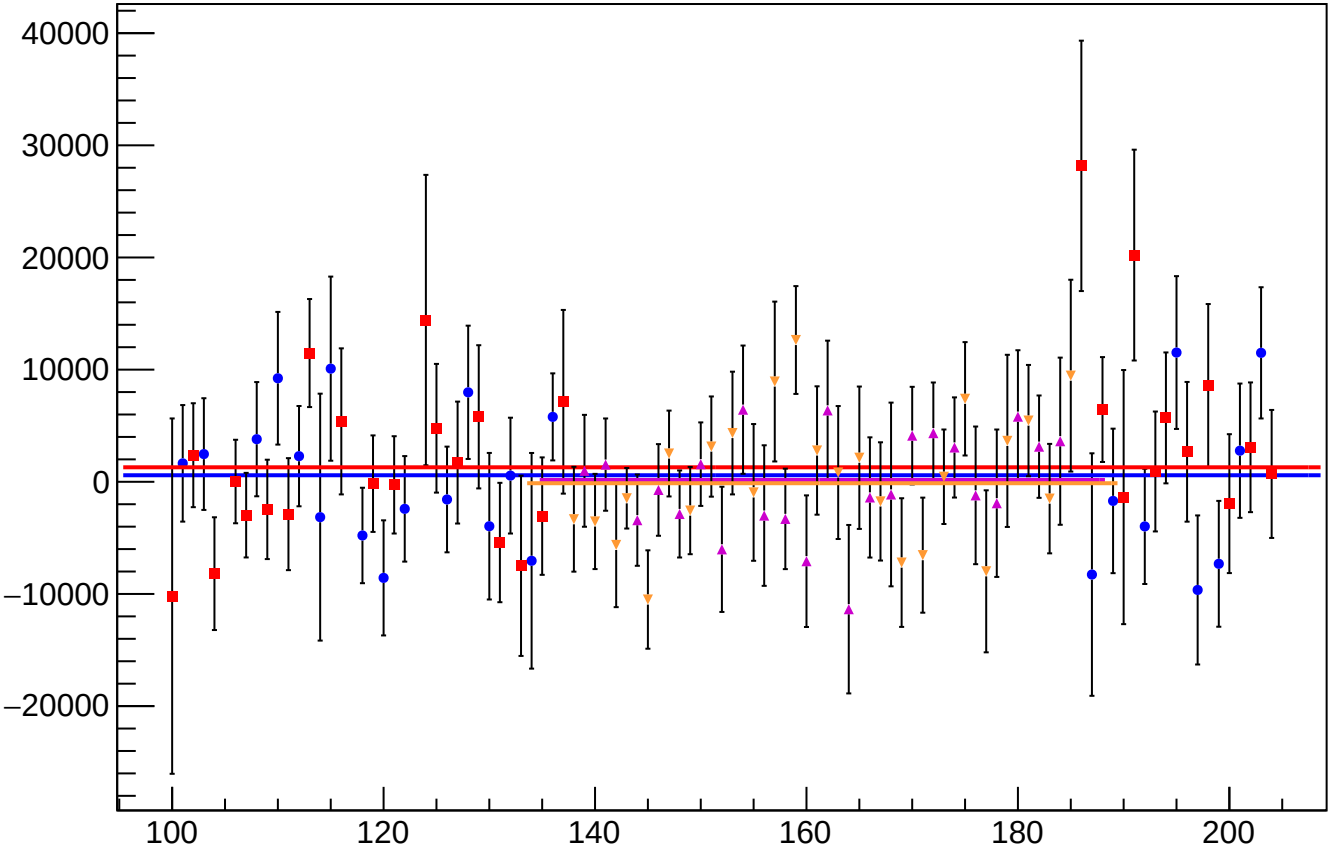
Right: 1306.213+/-0.175 χ^2/NDF: 878556.1/53

In: 1309.956+/-0.166 χ^2/NDF:558791.4/46

Out: 1298.365+/-0.157 χ^2/NDF:597028.3/54

All: 1303.857+/-0.114 χ^2/NDF: 1158395.7/10

asym_atl1r2_dd_atl2r1_dd_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 583.551+/-1138.726 χ^2/NDF: 26.3/23

Left Out: -127.273+/-977.231 χ^2/NDF:28.6/24

Right Out: 1292.677+/-1019.096 χ^2/NDF: 31.1/29

Left In: 159.452+/-1045.510 χ^2/NDF:13.8/22

Left: 6.422+/-713.925 χ^2/NDF: 42.4/47

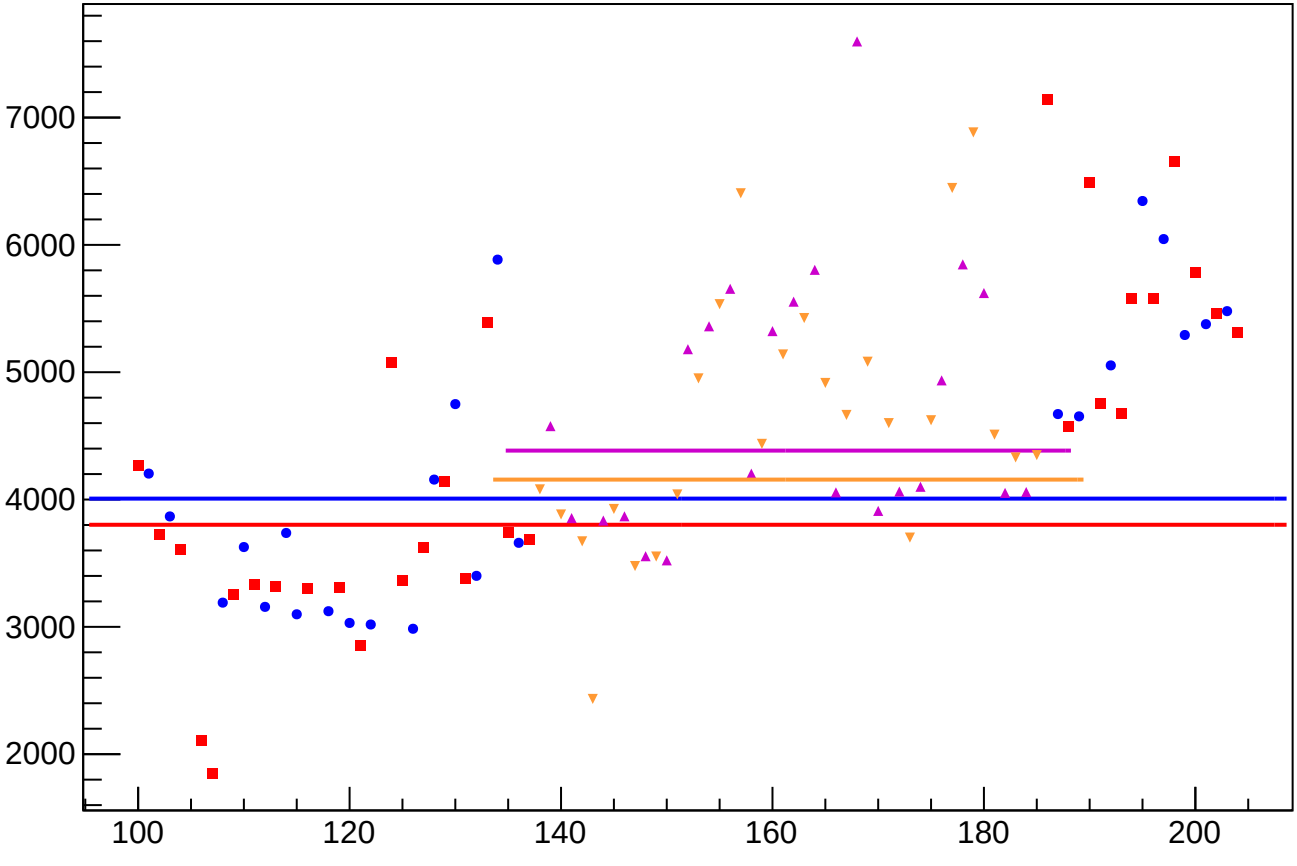
Right: 977.307+/-759.394 χ^2/NDF: 57.6/53

In: 353.436+/-770.136 χ^2/NDF:40.2/46

Out: 552.937+/-705.343 χ^2/NDF:60.6/54

All: 461.930+/-520.153 χ^2/NDF: 100.8/101

asym_atl1r2_dd_atl2r1_dd_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 4007.247+/-0.805 χ^2/NDF: 1521072.4/23

Left Out: 4156.582+/-0.691 χ^2/NDF:2080766.1/24

Right Out: 3801.788+/-0.721 χ^2/NDF: 2870355.6/29

Left In: 4384.323+/-0.739 χ^2/NDF:1255470.8/22

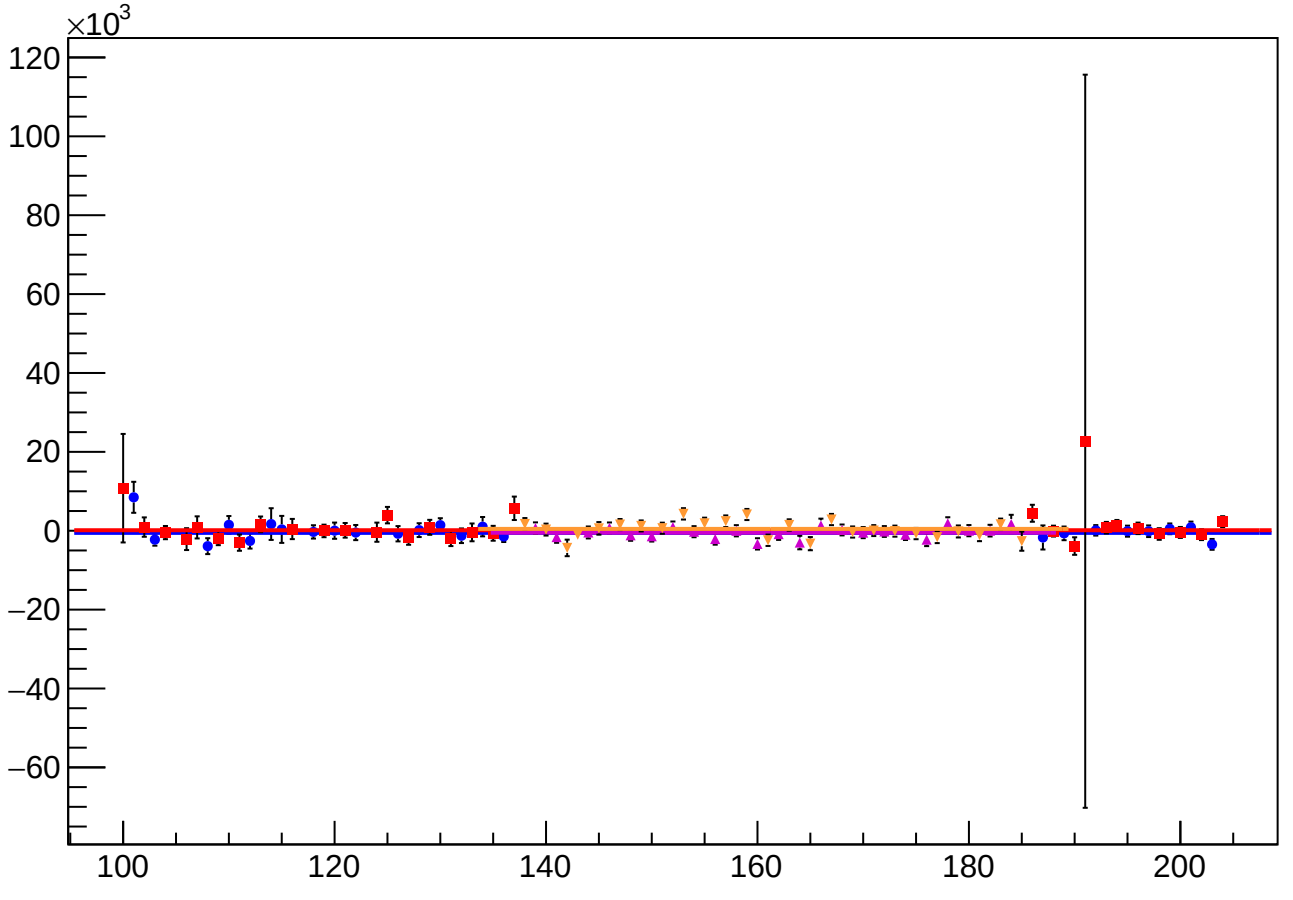
Left: 4262.773+/-0.505 χ^2/NDF: 3386885.6/47

Right: 3893.162+/-0.537 χ^2/NDF: 4427581.1/53

In: 4211.848+/-0.545 χ^2/NDF:2895538.2/46

Out: 3986.622+/-0.499 χ^2/NDF:5077408.4/54

All: 4089.363+/-0.368 χ^2/NDF: 8065970.4/10



Right In: -539.413+/-362.408 χ^2/NDF: 20.7/23

Left Out: 467.933+/-294.257 χ^2/NDF:44.1/24

Right Out: 126.587+/-339.394 χ^2/NDF: 27.3/29

Left In: -503.558+/-307.056 χ^2/NDF:17.4/22

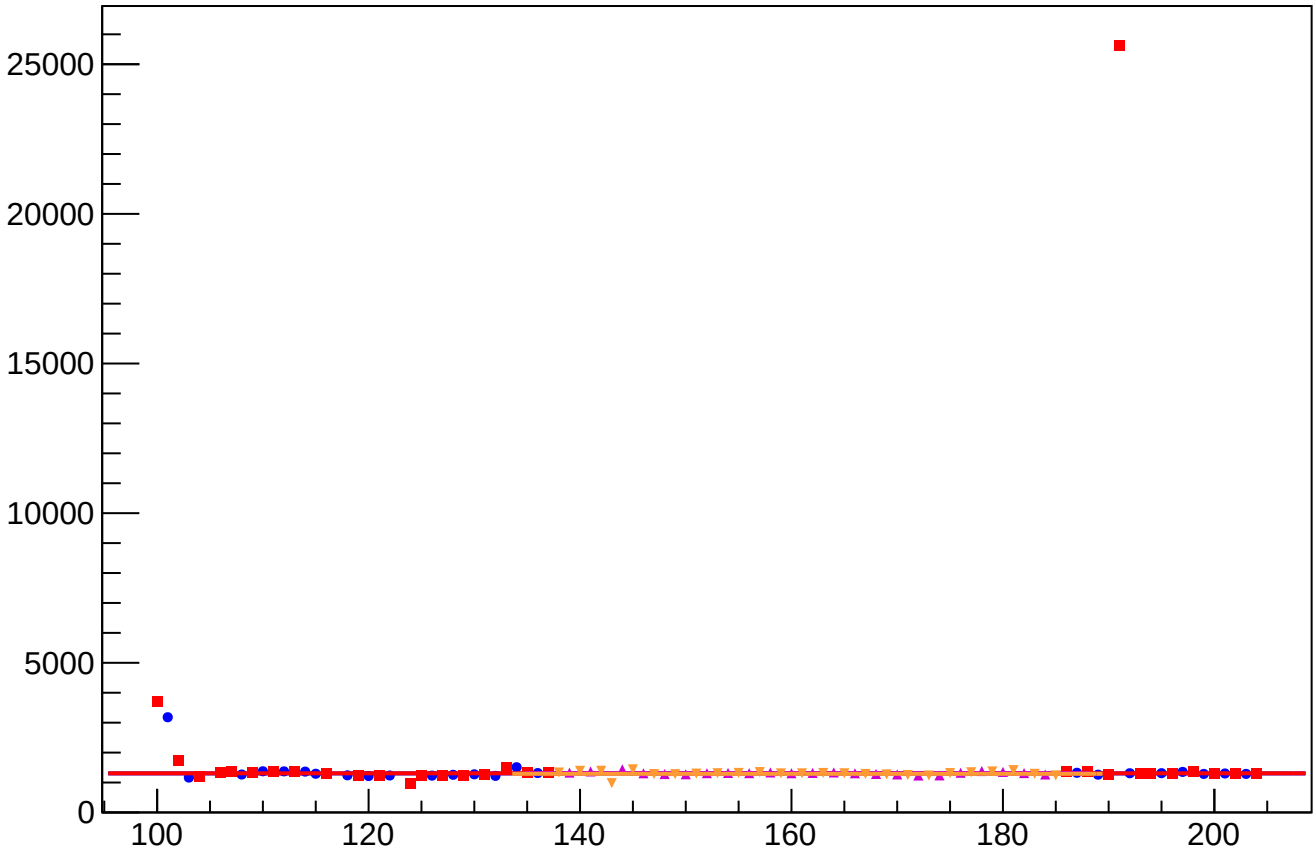
Left: 2.855+/-212.452 χ^2/NDF: 66.7/47

Right: -184.597+/-247.725 χ^2/NDF: 49.8/53

In: -518.541+/-234.274 χ^2/NDF:38.1/46

Out: 321.452+/-222.330 χ^2/NDF:72.0/54

All: -76.586+/-161.268 χ^2/NDF: 116.8/101



Right In: 1304.314+/-0.256 χ^2/NDF: 514914.3/23

Left Out: 1291.212+/-0.208 χ^2/NDF:230737.6/24

Right Out: 1307.876+/-0.240 χ^2/NDF: 363539.3/29

Left In: 1314.007+/-0.217 χ^2/NDF:43046.8/22

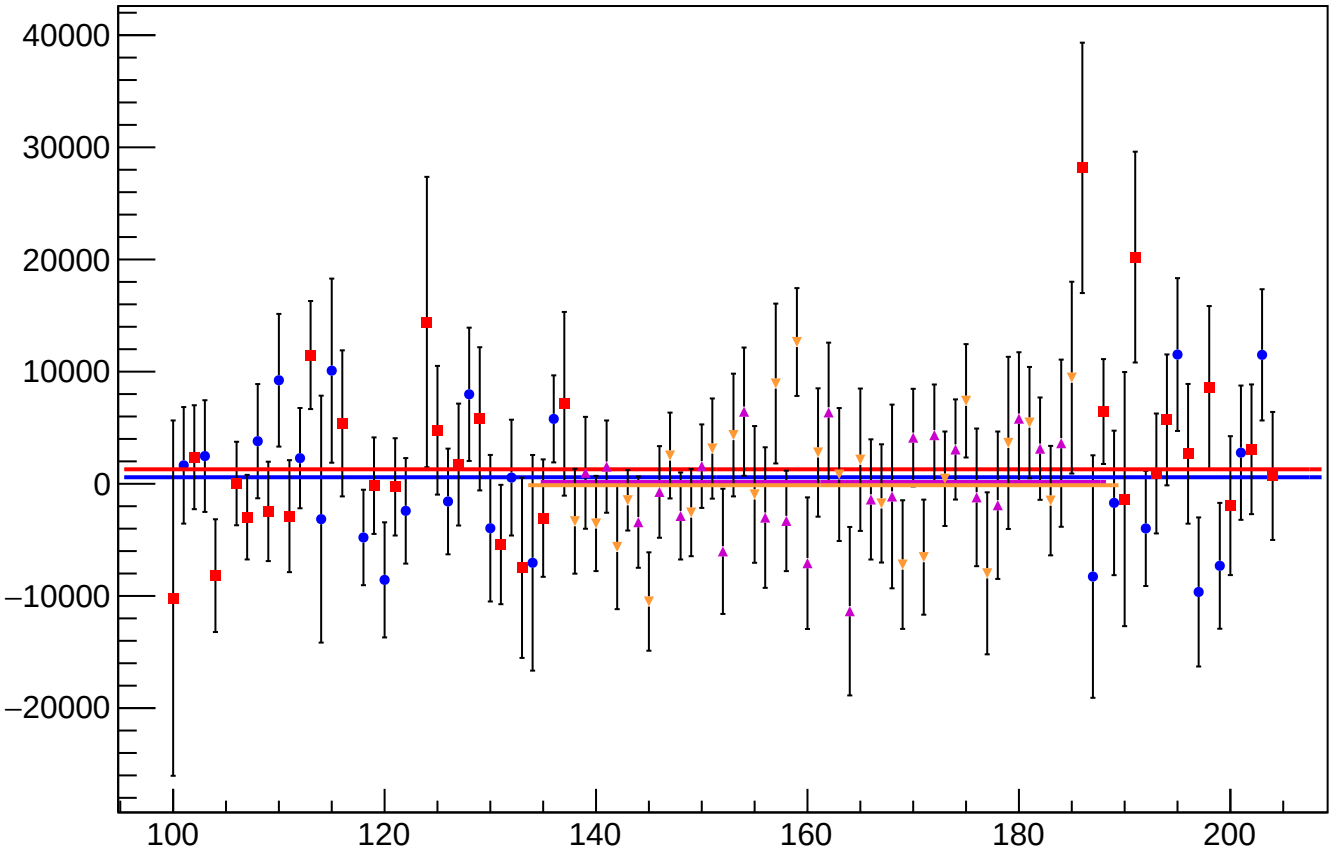
Left: 1302.125+/-0.150 χ^2/NDF: 279530.2/47

Right: 1306.213+/-0.175 χ^2/NDF: 878556.6/53

In: 1309.957+/-0.166 χ^2/NDF:558793.9/46

Out: 1298.366+/-0.157 χ^2/NDF:597030.7/54

All: 1303.858+/-0.114 χ^2/NDF: 1158400.7/10



Right In: 583.543+/-1138.724 χ^2/NDF: 26.3/23

Left Out: -127.271+/-977.232 χ^2/NDF:28.6/24

Right Out: 1292.670+/-1019.095 χ^2/NDF: 31.1/29

Left In: 159.454+/-1045.511 χ^2/NDF:13.8/22

Left: 6.424+/-713.926 χ^2/NDF: 42.4/47

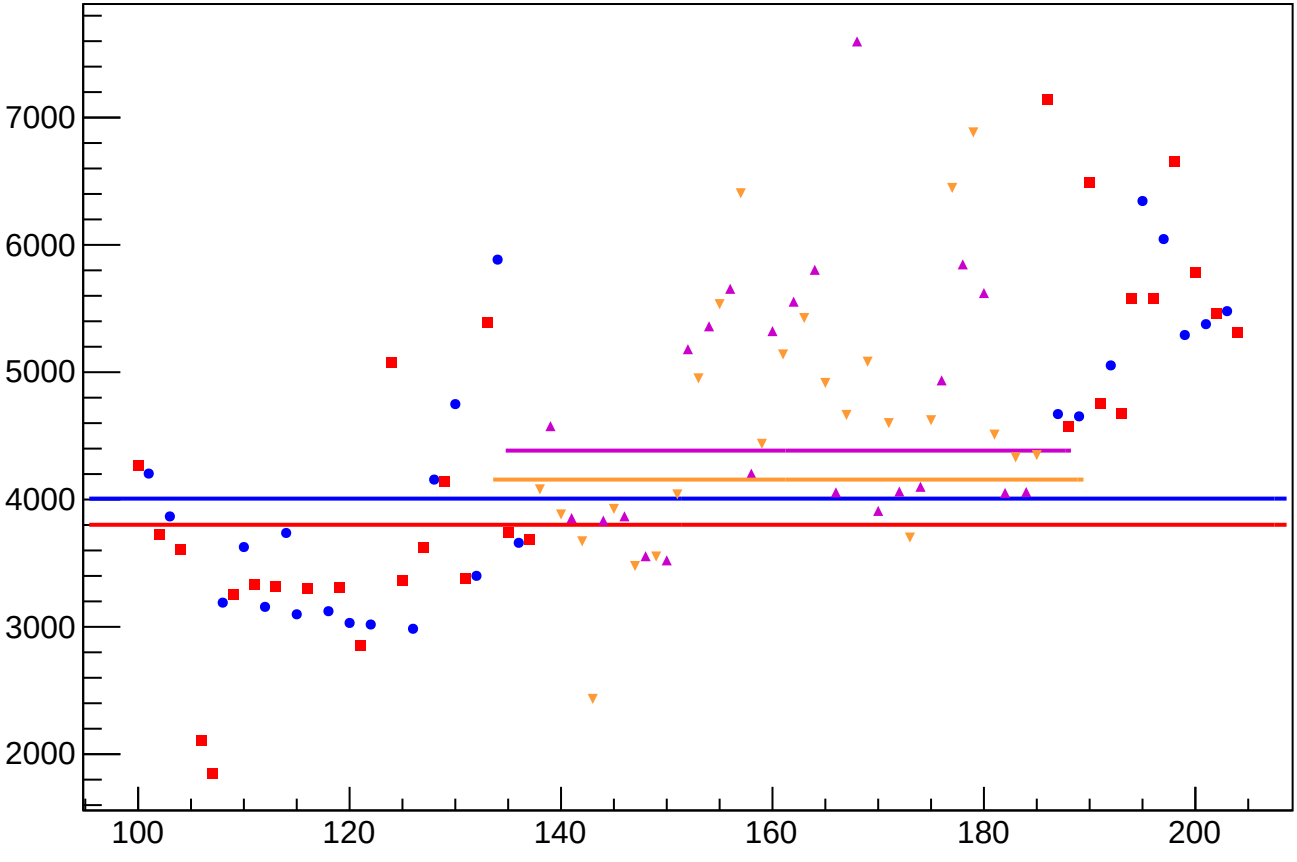
Right: 977.300+/-759.393 χ^2/NDF: 57.6/53

In: 353.433+/-770.137 χ^2/NDF:40.2/46

Out: 552.937+/-705.343 χ^2/NDF:60.6/54

All: 461.929+/-520.153 χ^2/NDF: 100.8/101

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 4007.239+/-0.805 χ^2/NDF: 1521095.9/23

Left Out: 4156.588+/-0.691 χ^2/NDF:2080769.0/24

Right Out: 3801.781+/-0.721 χ^2/NDF: 2870380.1/29

Left In: 4384.329+/-0.739 χ^2/NDF:1255475.0/22

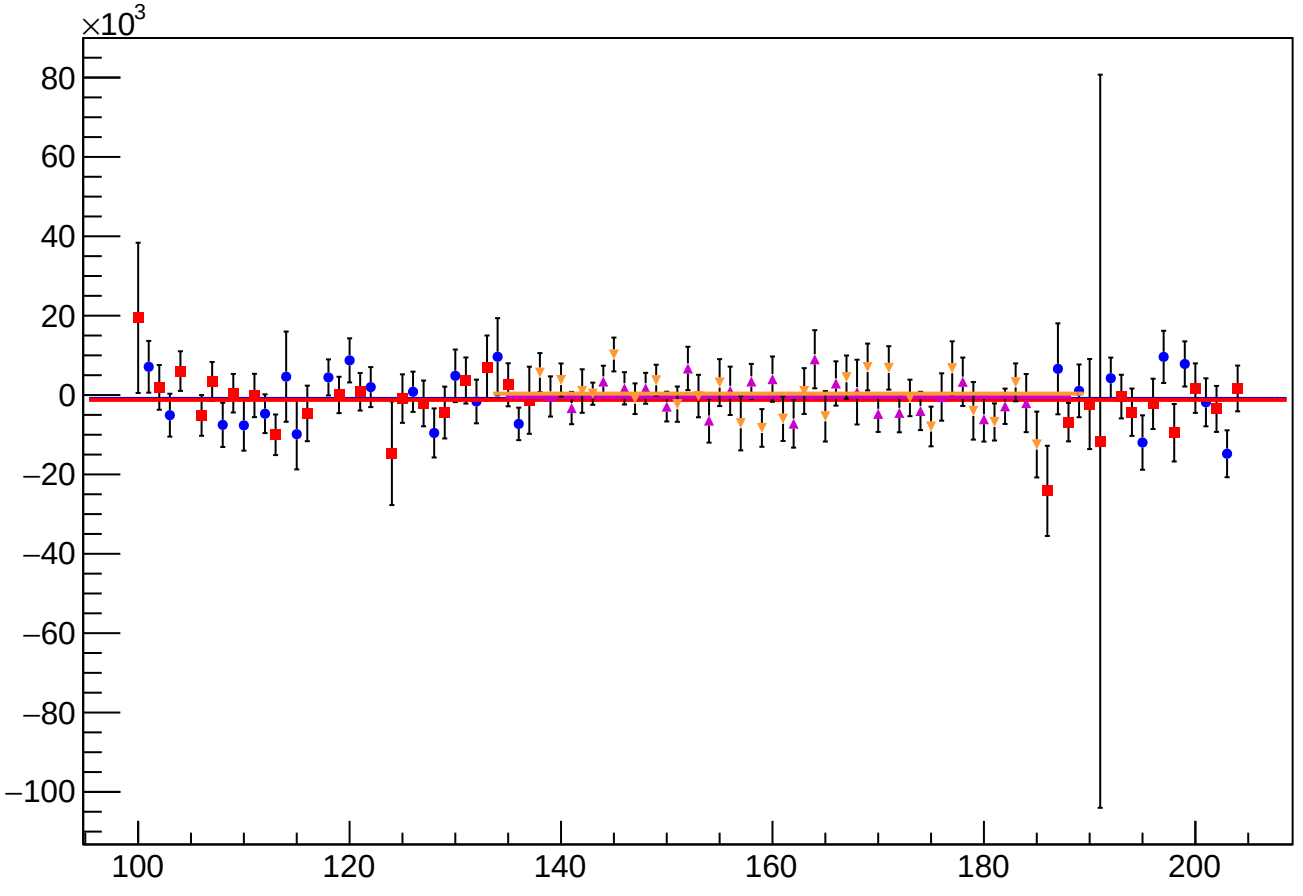
Left: 4262.780+/-0.505 χ^2/NDF: 3386892.6/47

Right: 3893.154+/-0.537 χ^2/NDF: 4427629.0/53

In: 4211.848+/-0.545 χ^2/NDF:2895574.8/46

Out: 3986.622+/-0.499 χ^2/NDF:5077445.3/54

All: 4089.363+/-0.368 χ^2/NDF: 8066043.8/10



Right In: -977.578+/-1206.984 χ^2/NDF: 32.2/23

Left Out: 362.528+/-979.860 χ^2/NDF:27.7/24

Right Out: -1221.385+/-1111.844 χ^2/NDF: 19.9/29

Left In: -497.522+/-1044.707 χ^2/NDF:13.9/22

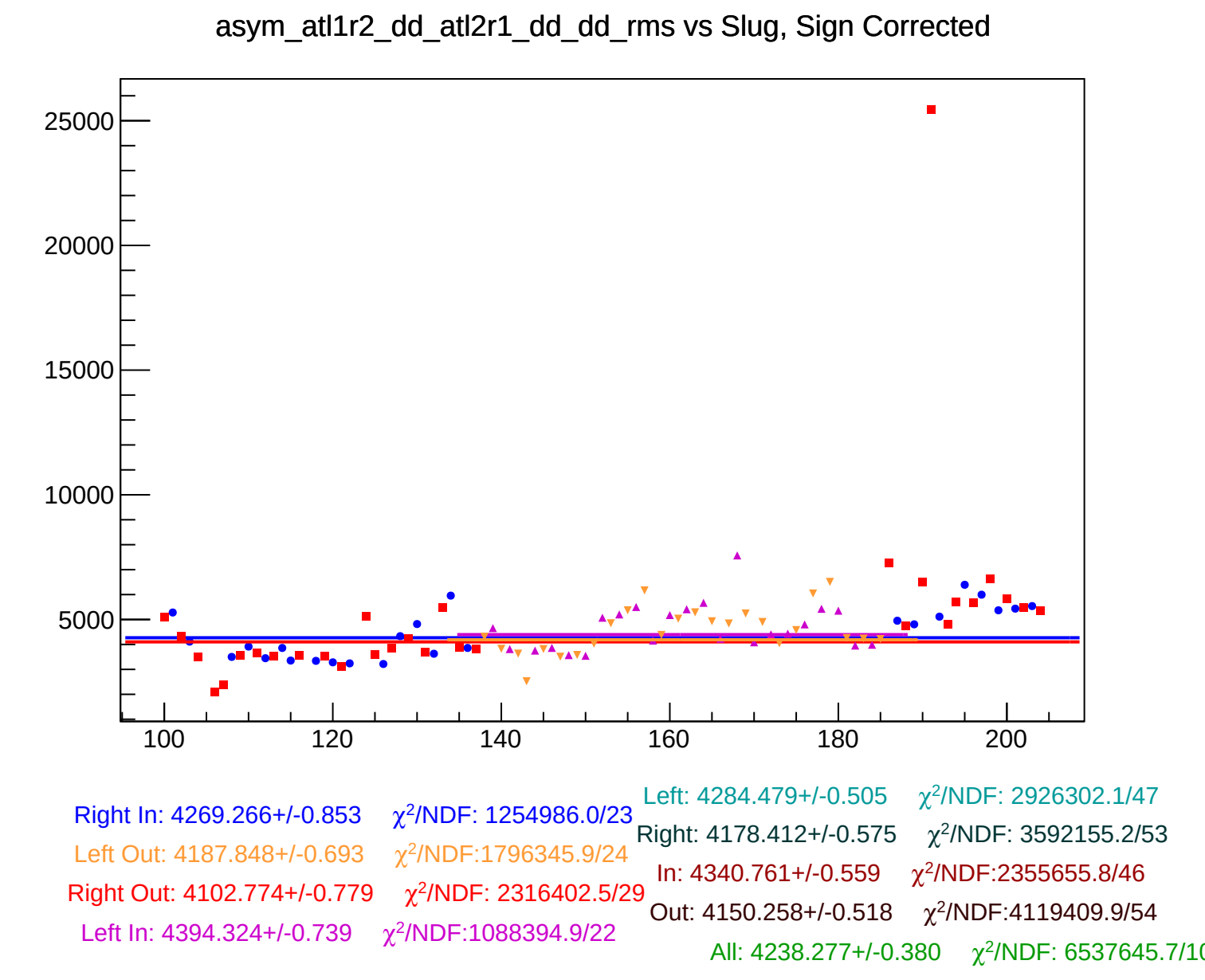
Left: -39.978+/-714.692 χ^2/NDF: 41.9/47

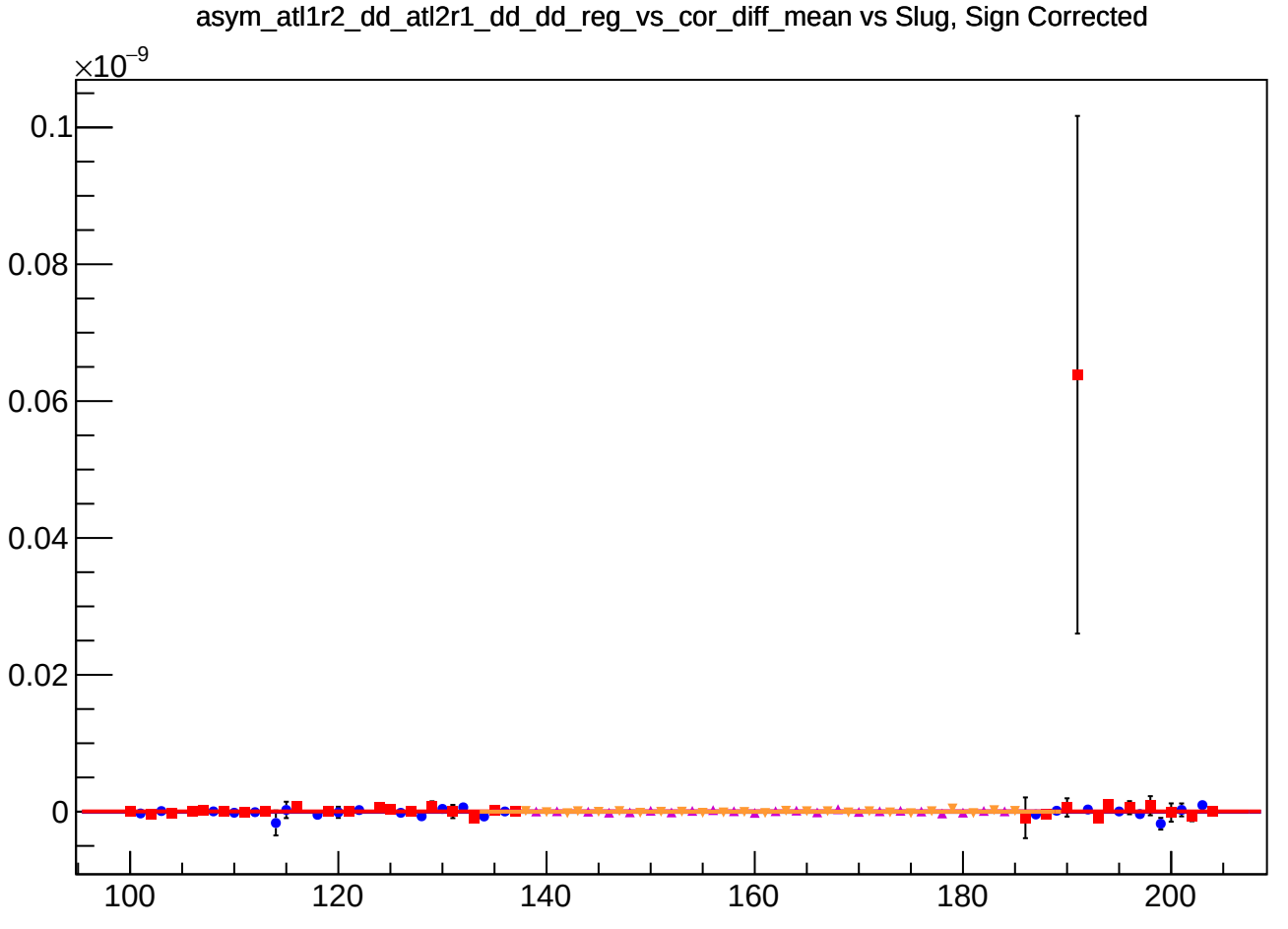
Right: -1109.468+/-817.761 χ^2/NDF: 52.1/53

In: -703.132+/-789.909 χ^2/NDF:46.2/46

Out: -329.882+/-735.123 χ^2/NDF:48.7/54

All: -503.115+/-538.137 χ^2/NDF: 95.0/101


asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug, Sign Corrected
25000
20000
15000
10000
5000
100
120
140
160
180
200
Right In: 4269.266+/-0.853 χ²/NDF: 1254986.0/23
Left Out: 4187.848+/-0.693 χ²/NDF:1796345.9/24
Right Out: 4102.774+/-0.779 χ²/NDF: 2316402.5/29
Left In: 4394.324+/-0.739 χ²/NDF:1088394.9/22
Left: 4284.479+/-0.505 χ²/NDF: 2926302.1/47
Right: 4178.412+/-0.575 χ²/NDF: 3592155.2/53
In: 4340.761+/-0.559 χ²/NDF:2355655.8/46
Out: 4150.258+/-0.518 χ²/NDF:4119409.9/54
All: 4238.277+/-0.380 χ²/NDF: 6537645.7/10



Right In: -0.000+/-0.000 χ^2/NDF: 27.8/23

Left Out: -0.000+/-0.000 χ^2/NDF:30.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 27.3/29

Left In: 0.000+/-0.000 χ^2/NDF:17.0/22

Left: 0.000+/-0.000 χ^2/NDF: 48.0/47

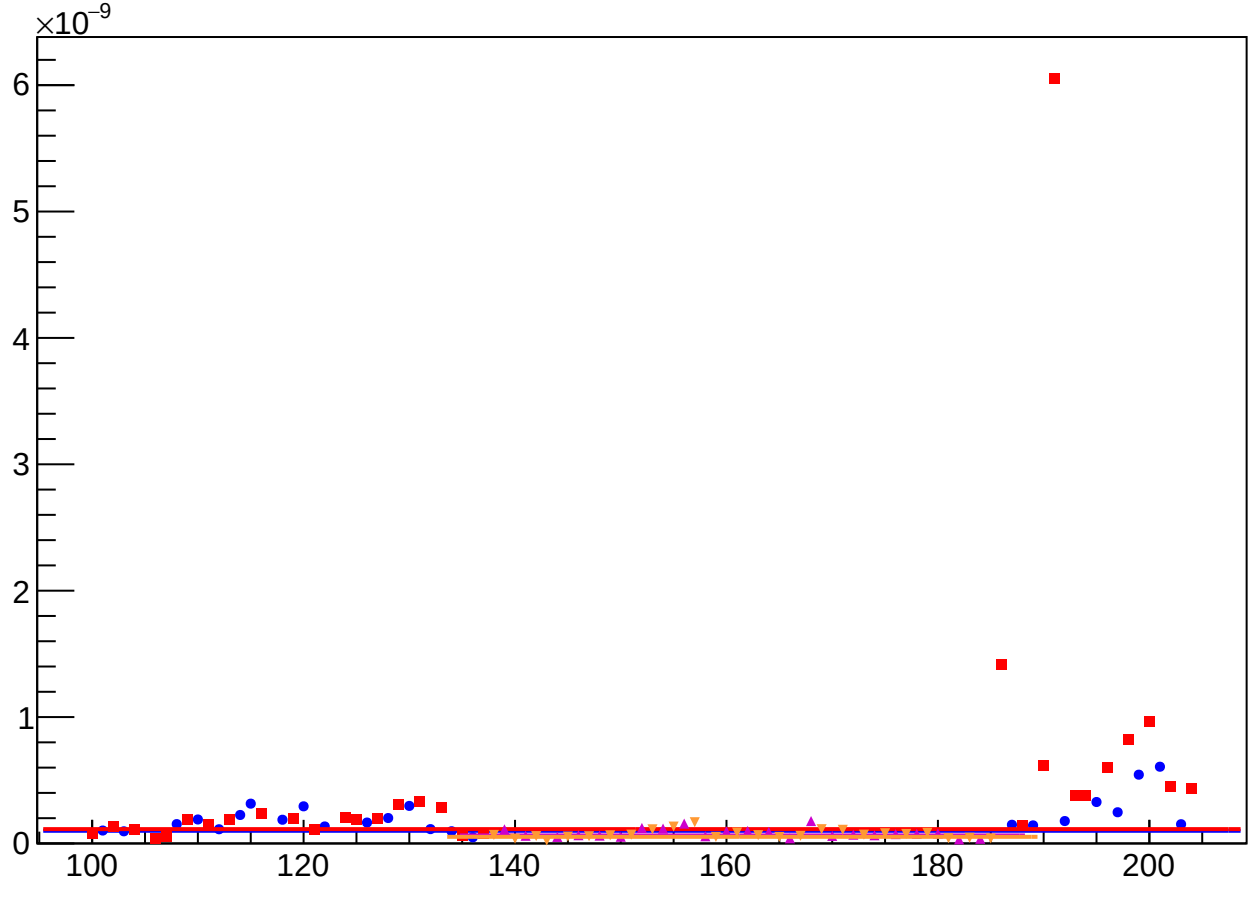
Right: 0.000+/-0.000 χ^2/NDF: 55.6/53

In: 0.000+/-0.000 χ^2/NDF:45.4/46

Out: 0.000+/-0.000 χ^2/NDF:58.1/54

All: 0.000+/-0.000 χ^2/NDF: 103.6/101

asym_atl1r2_dd_atl2r1_dd_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3122720.1/23

Left Out: 0.000+/-0.000 χ^2/NDF:2628519.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5888584.9/29

Left In: 0.000+/-0.000 χ^2/NDF:1788279.2/22

Left: 0.000+/-0.000 χ^2/NDF: 4618450.3/47

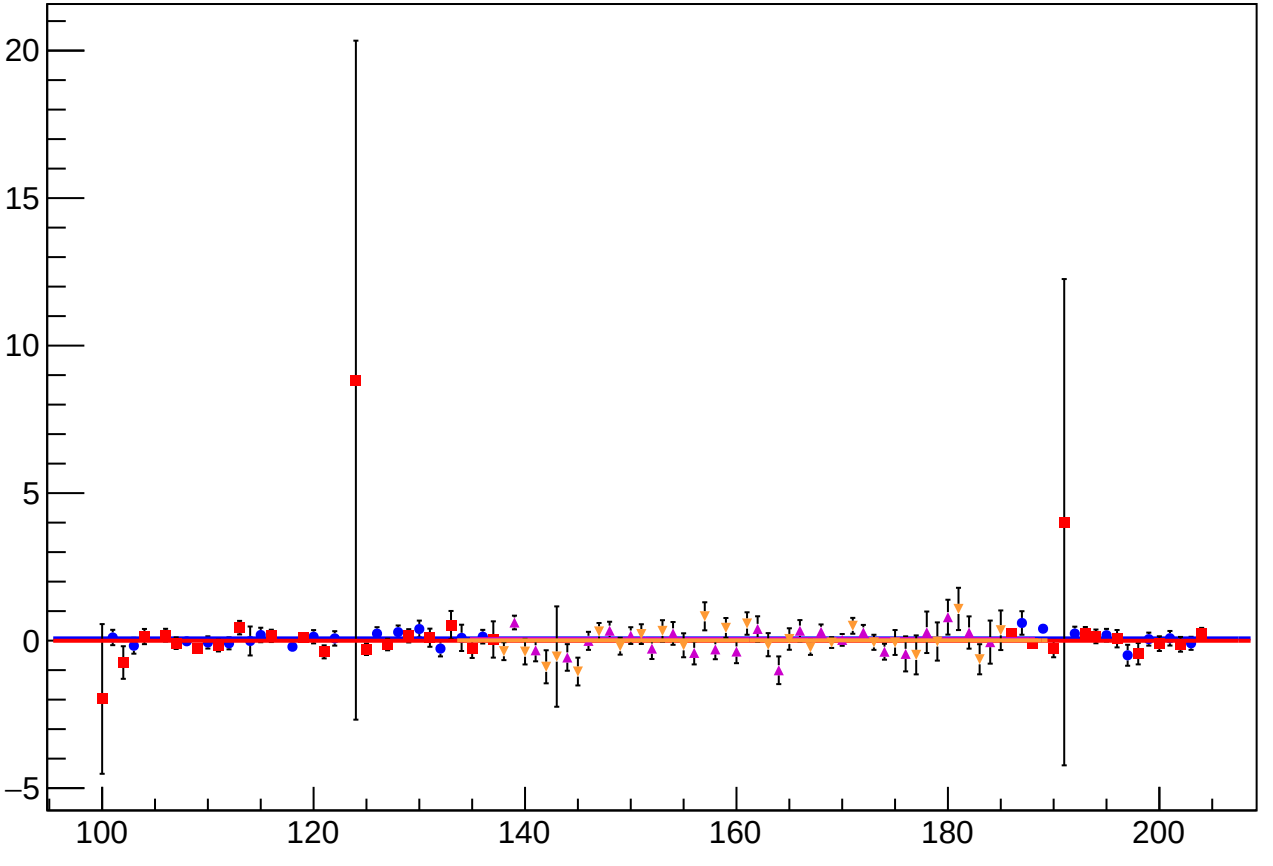
Right: 0.000+/-0.000 χ^2/NDF: 9061347.9/53

In: 0.000+/-0.000 χ^2/NDF:5618775.2/46

Out: 0.000+/-0.000 χ^2/NDF:10272463.3/54

All: 0.000+/-0.000 χ^2/NDF: 16105222.7/101

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.076+/-0.047 χ^2/NDF: 20.4/23

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.005+/-0.040 χ^2/NDF: 30.6/29

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

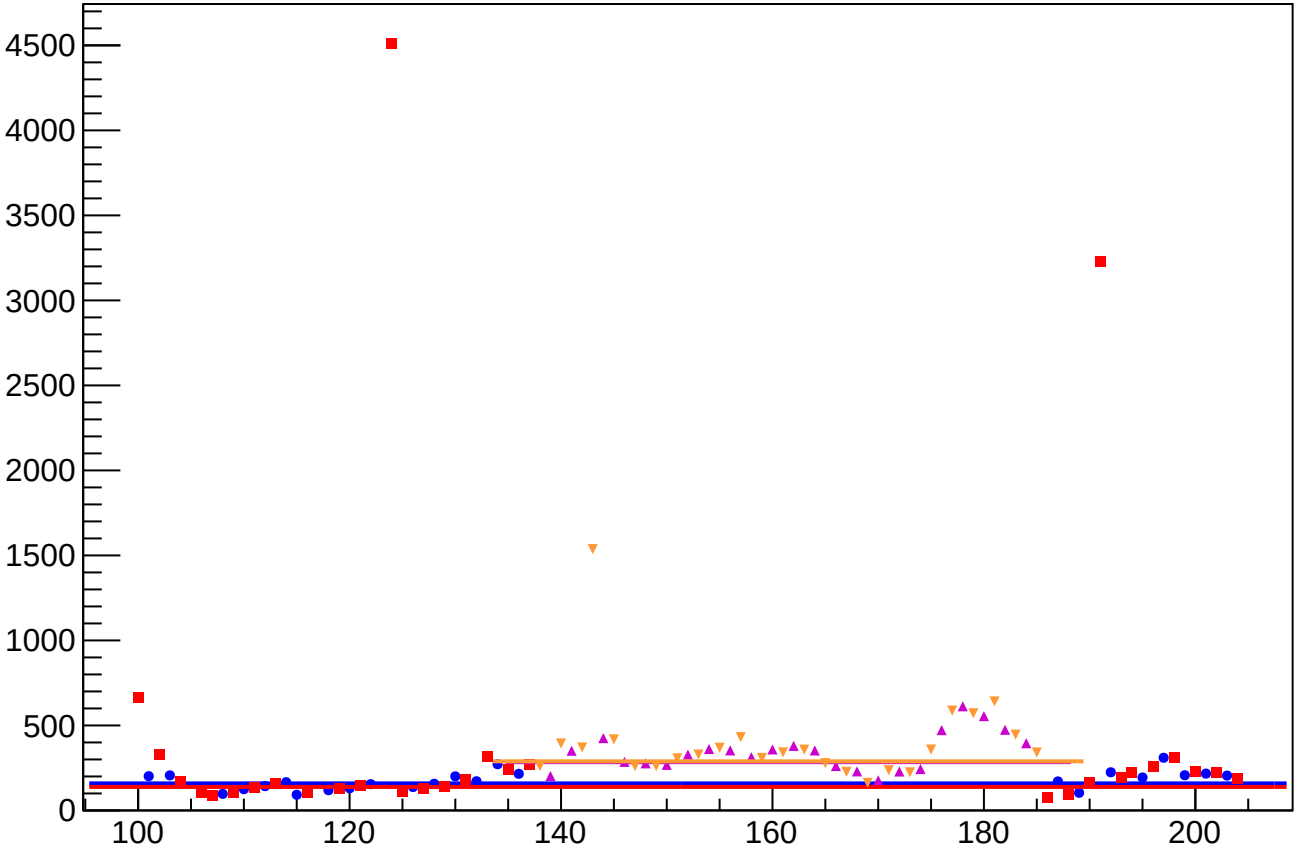
Right: 0.029+/-0.030 χ^2/NDF: 52.8/53

In: 0.069+/-0.039 χ^2/NDF:48.3/46

Out: -0.001+/-0.035 χ^2/NDF:59.6/54

All: 0.030+/-0.026 χ^2/NDF: 109.6/101

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 159.097+/-0.033 χ^2/NDF: 2214803.8/23

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

Right Out: 138.355+/-0.028 χ^2/NDF: 4659408.8/29

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

Left: 286.524+/-0.035 χ^2/NDF: 7730236.9/47

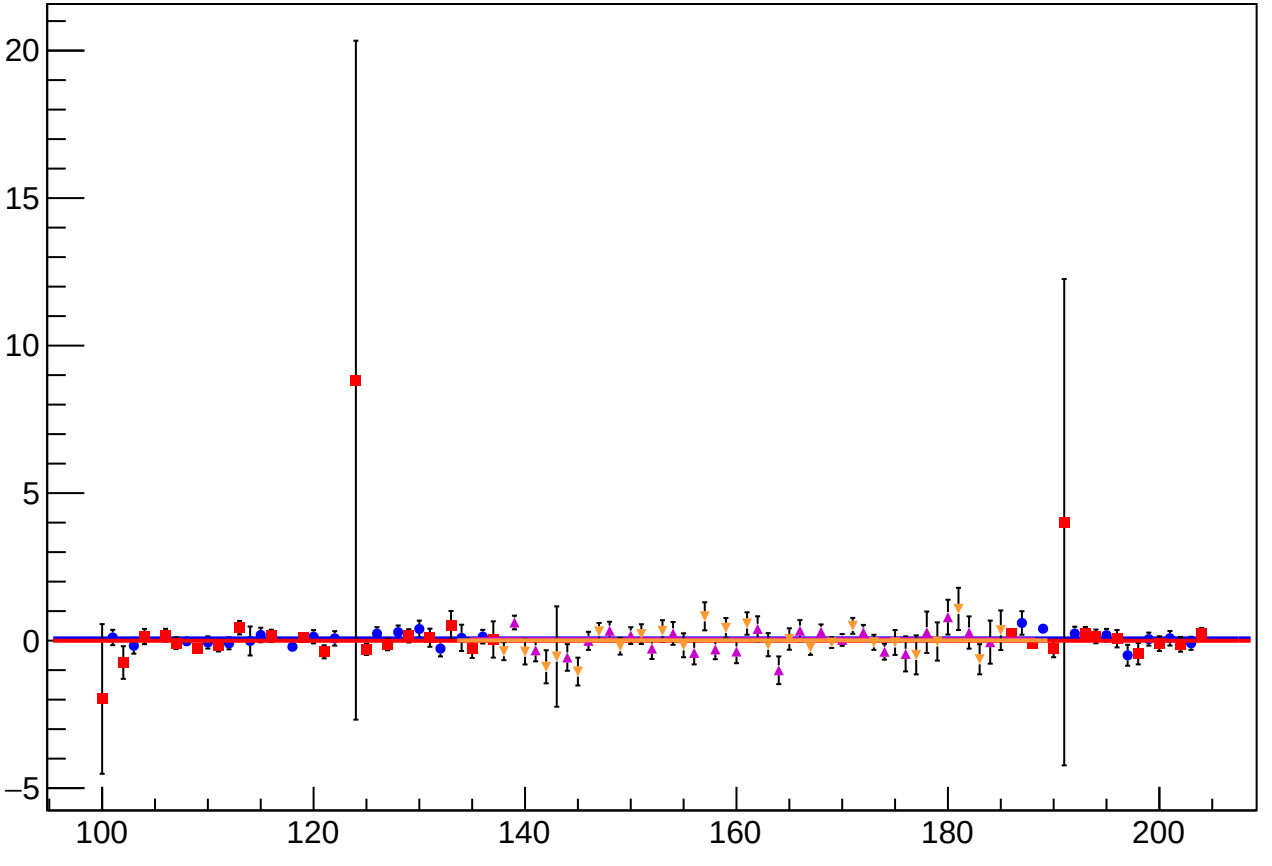
Right: 147.116+/-0.022 χ^2/NDF: 7100526.4/53

In: 197.499+/-0.028 χ^2/NDF:9666024.7/46

Out: 174.718+/-0.025 χ^2/NDF:16126227.8/54

All: 184.845+/-0.018 χ^2/NDF: 26171040.5/10

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.076+/-0.047 χ^2/NDF: 20.4/23

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.005+/-0.040 χ^2/NDF: 30.6/29

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

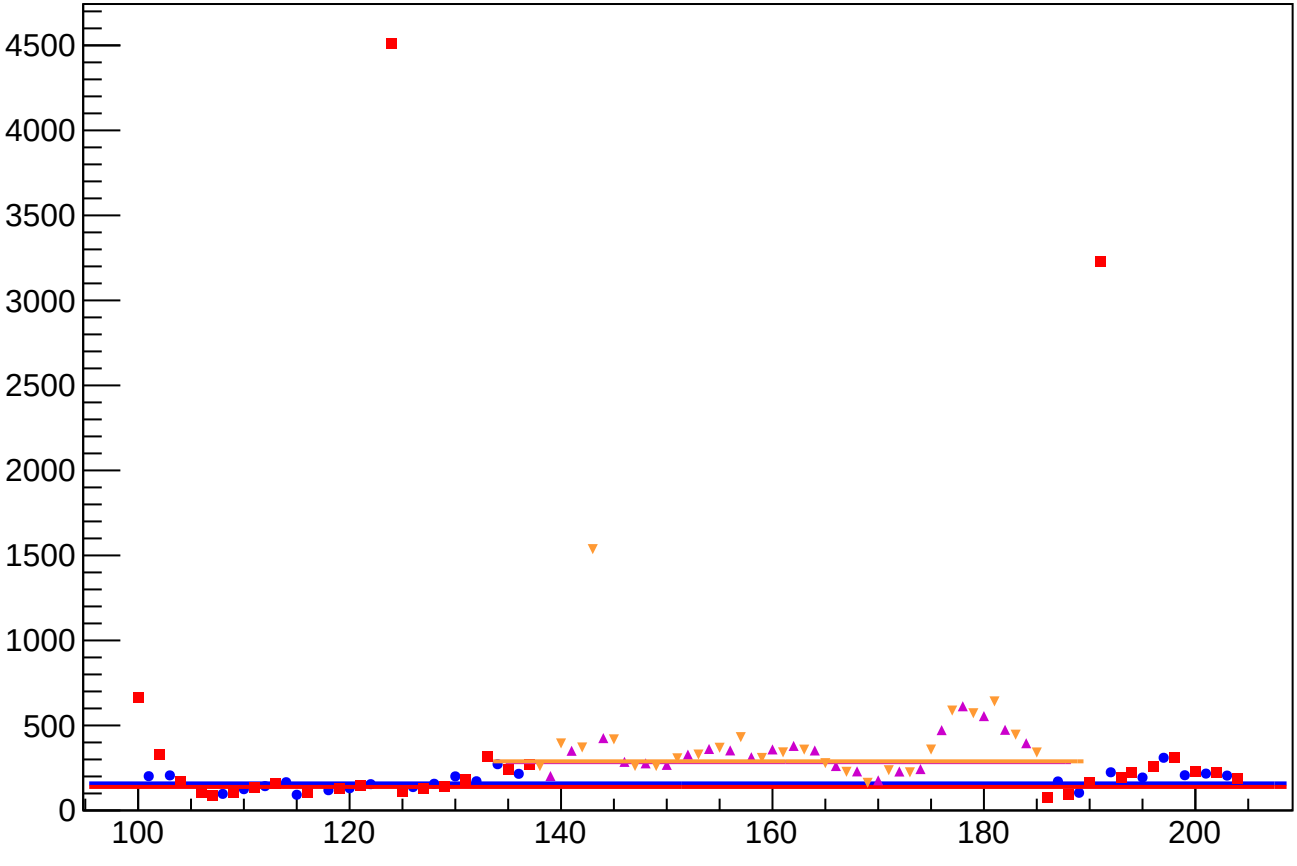
Right: 0.029+/-0.030 χ^2/NDF: 52.8/53

In: 0.069+/-0.039 χ^2/NDF:48.3/46

Out: -0.001+/-0.035 χ^2/NDF:59.6/54

All: 0.030+/-0.026 χ^2/NDF: 109.6/101

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 159.097+/-0.033 χ^2/NDF: 2214803.8/23

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

Right Out: 138.355+/-0.028 χ^2/NDF: 4659408.8/29

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

Left: 286.524+/-0.035 χ^2/NDF: 7730236.9/47

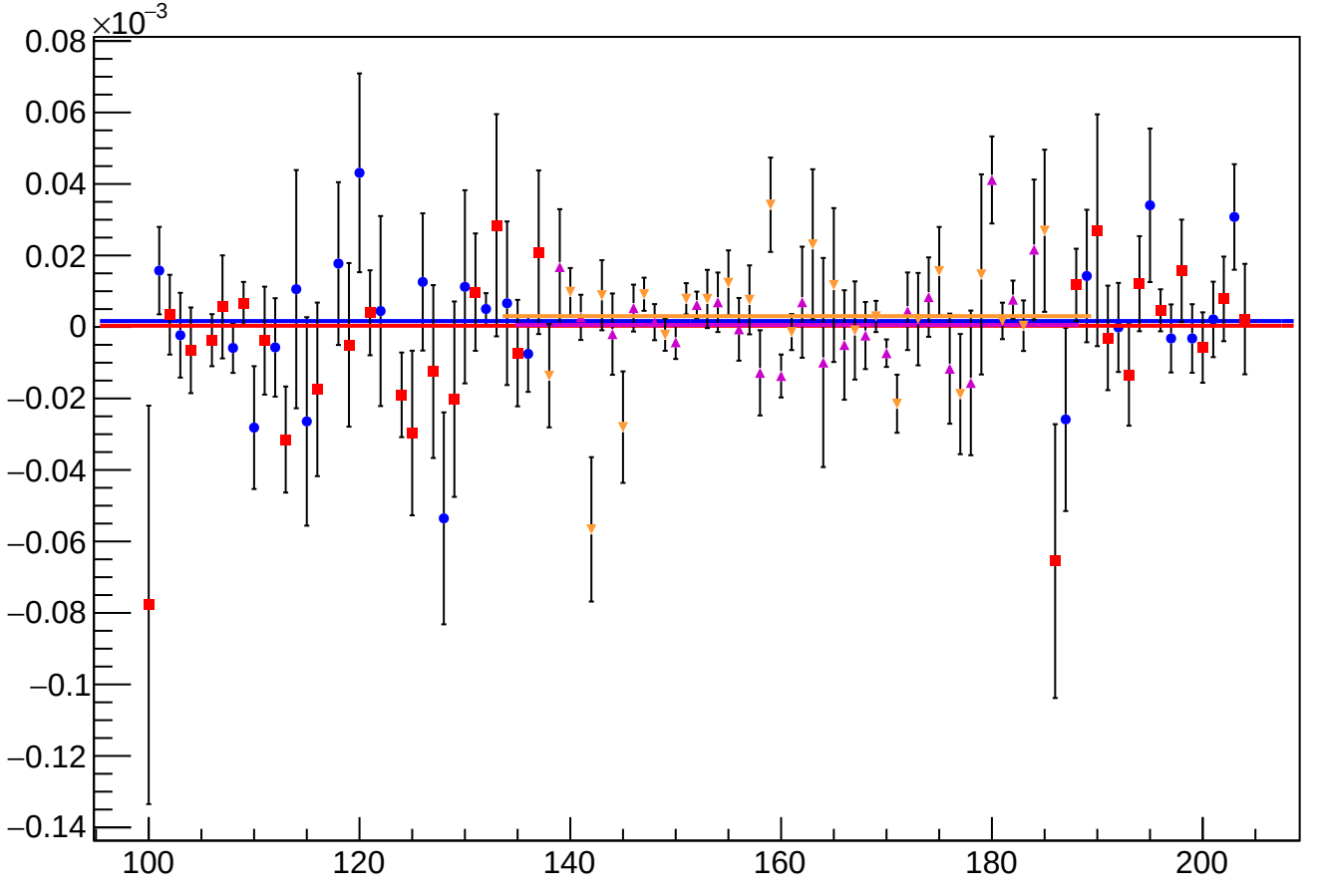
Right: 147.116+/-0.022 χ^2/NDF: 7100526.4/53

In: 197.499+/-0.028 χ^2/NDF:9666024.7/46

Out: 174.718+/-0.025 χ^2/NDF:16126227.8/54

All: 184.845+/-0.018 χ^2/NDF: 26171040.5/10

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 23.2/23

Left Out: 0.000+/-0.000 χ^2/NDF:42.2/24

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

Left In: 0.000+/-0.000 χ^2/NDF:33.2/22

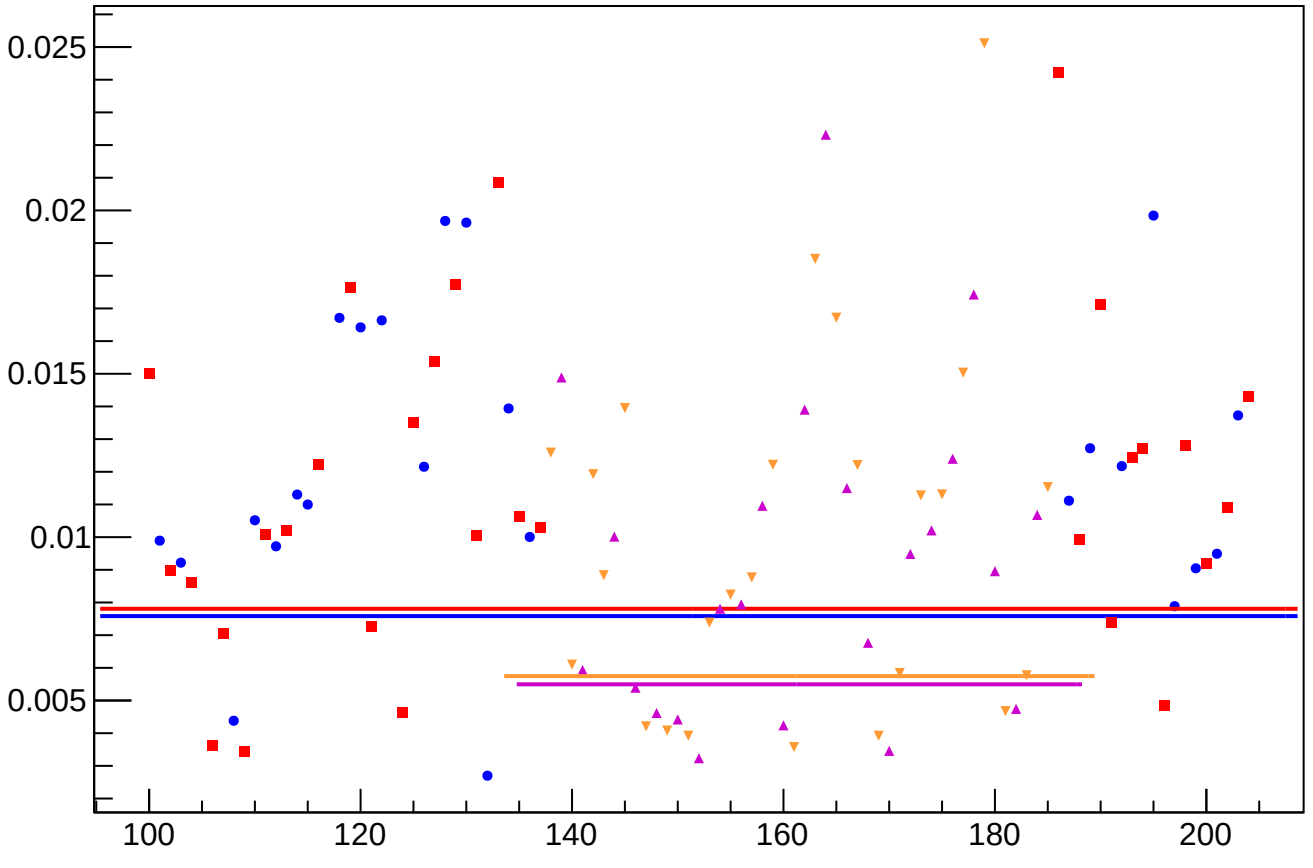
Left: 0.000+/-0.000 χ^2/NDF: 76.7/47

Right: 0.000+/-0.000 χ^2/NDF: 49.3/53

In: 0.000+/-0.000 χ^2/NDF:56.6/46

Out: 0.000+/-0.000 χ^2/NDF:69.1/54

All: 0.000+/-0.000 χ^2/NDF: 126.2/101



Right In: 0.008+/-0.000 χ^2/NDF: 6556165.2/23

Left Out: 0.006+/-0.000 χ^2/NDF:8128513.8/24

Right Out: 0.008+/-0.000 χ^2/NDF: 5952829.2/29

Left In: 0.005+/-0.000 χ^2/NDF:6937299.0/22

Left: 0.006+/-0.000 χ^2/NDF: 15093250.6/47

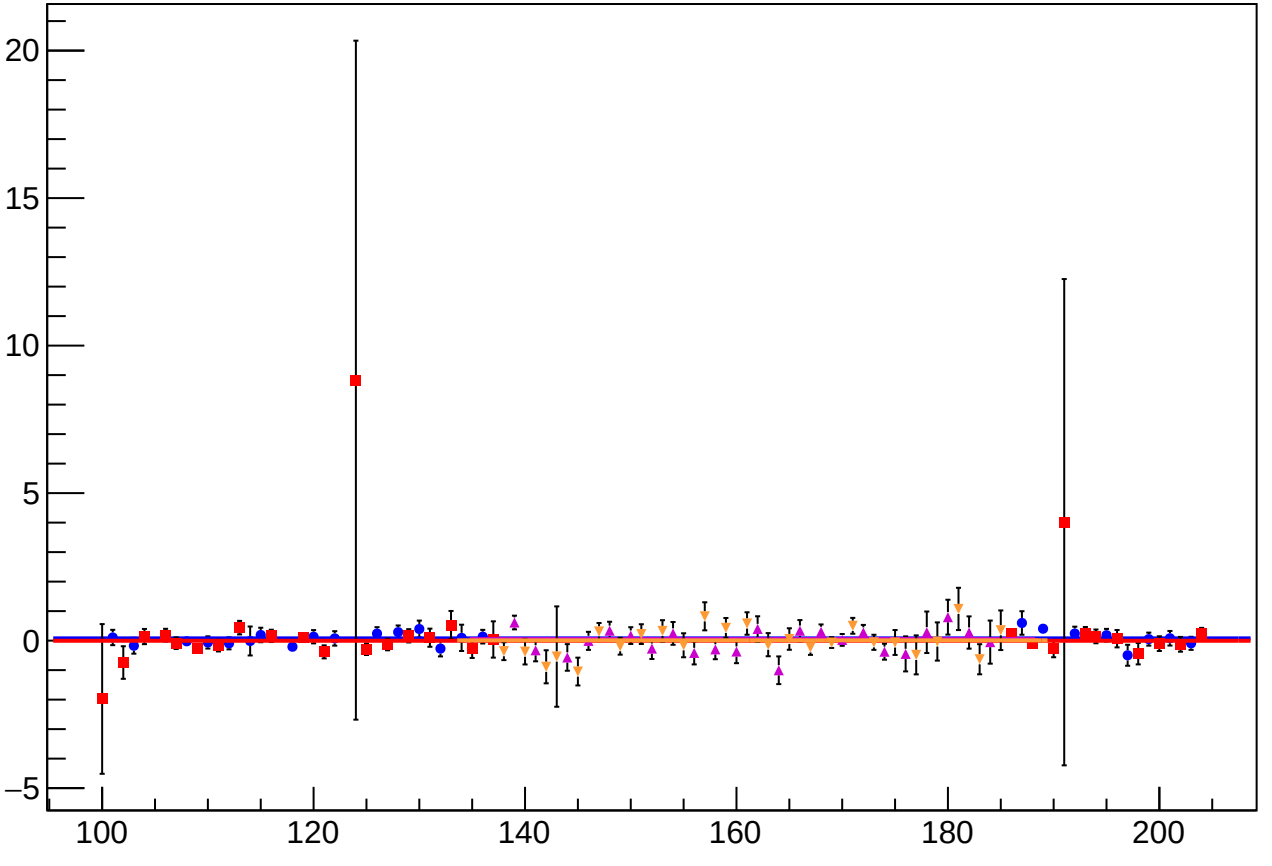
Right: 0.008+/-0.000 χ^2/NDF: 12517973.9/53

In: 0.006+/-0.000 χ^2/NDF:14537234.9/46

Out: 0.006+/-0.000 χ^2/NDF:15210789.0/54

All: 0.006+/-0.000 χ^2/NDF: 29807521.8/101

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.076+/-0.047 χ^2/NDF: 20.4/23

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.005+/-0.040 χ^2/NDF: 30.6/29

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

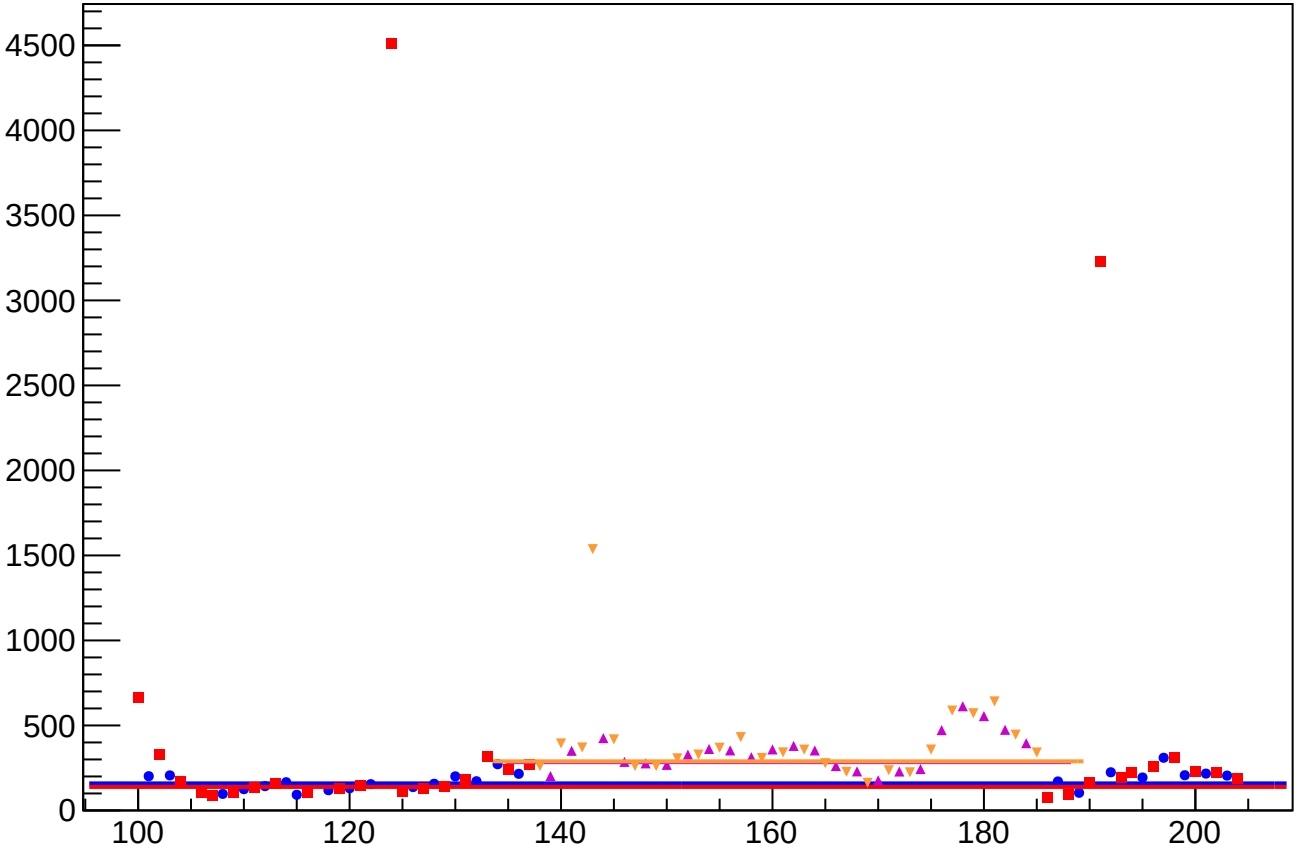
Right: 0.029+/-0.030 χ^2/NDF: 52.8/53

In: 0.069+/-0.039 χ^2/NDF:48.3/46

Out: -0.001+/-0.035 χ^2/NDF:59.5/54

All: 0.030+/-0.026 χ^2/NDF: 109.6/101

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 159.097+/-0.033 χ^2/NDF: 2214809.2/23

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

Right Out: 138.357+/-0.028 χ^2/NDF: 4659243.2/29

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

Left: 286.525+/-0.035 χ^2/NDF: 7730531.8/47

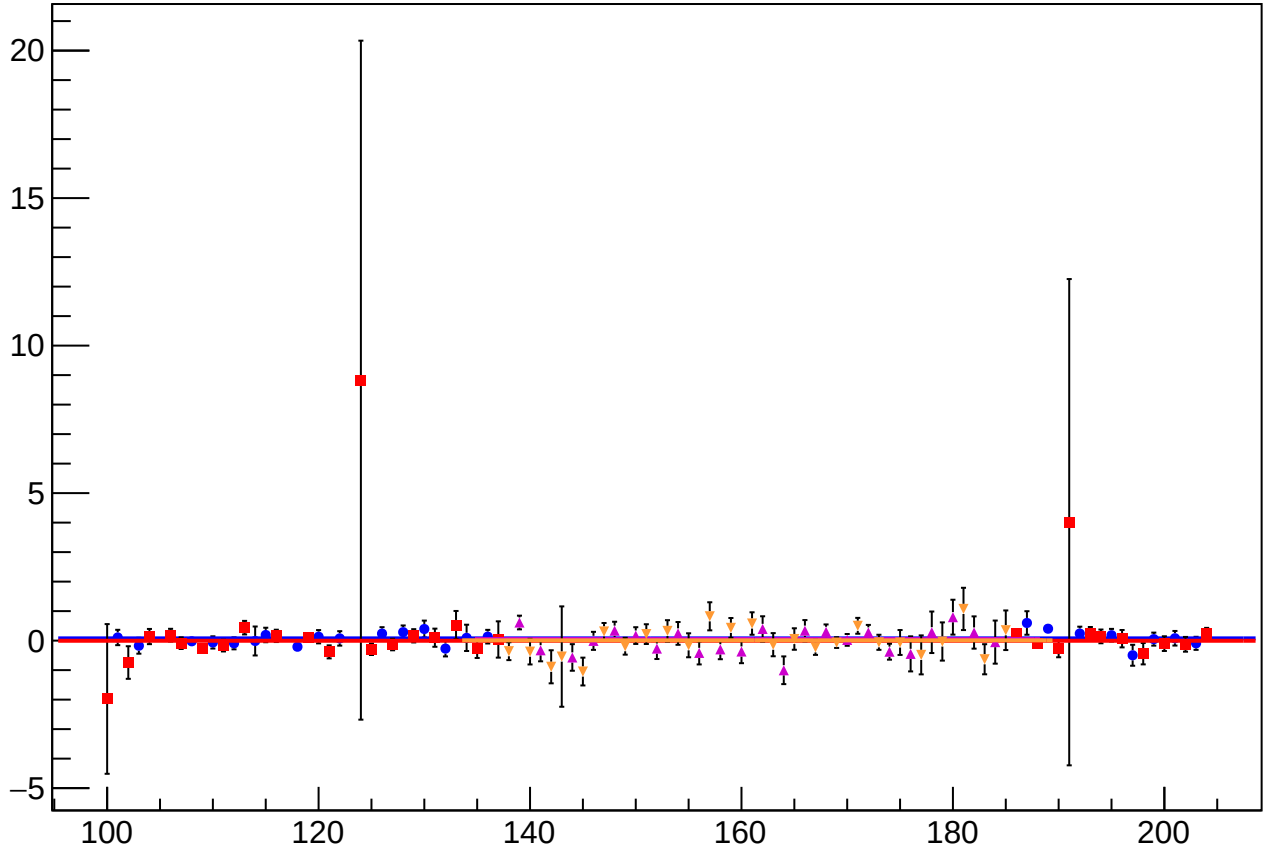
Right: 147.117+/-0.022 χ^2/NDF: 7100315.8/53

In: 197.498+/-0.028 χ^2/NDF:9666233.6/46

Out: 174.720+/-0.025 χ^2/NDF:16126036.6/54

All: 184.846+/-0.018 χ^2/NDF: 26170986.2/10

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.076+/-0.047 χ^2/NDF: 20.4/23

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.005+/-0.040 χ^2/NDF: 30.6/29

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

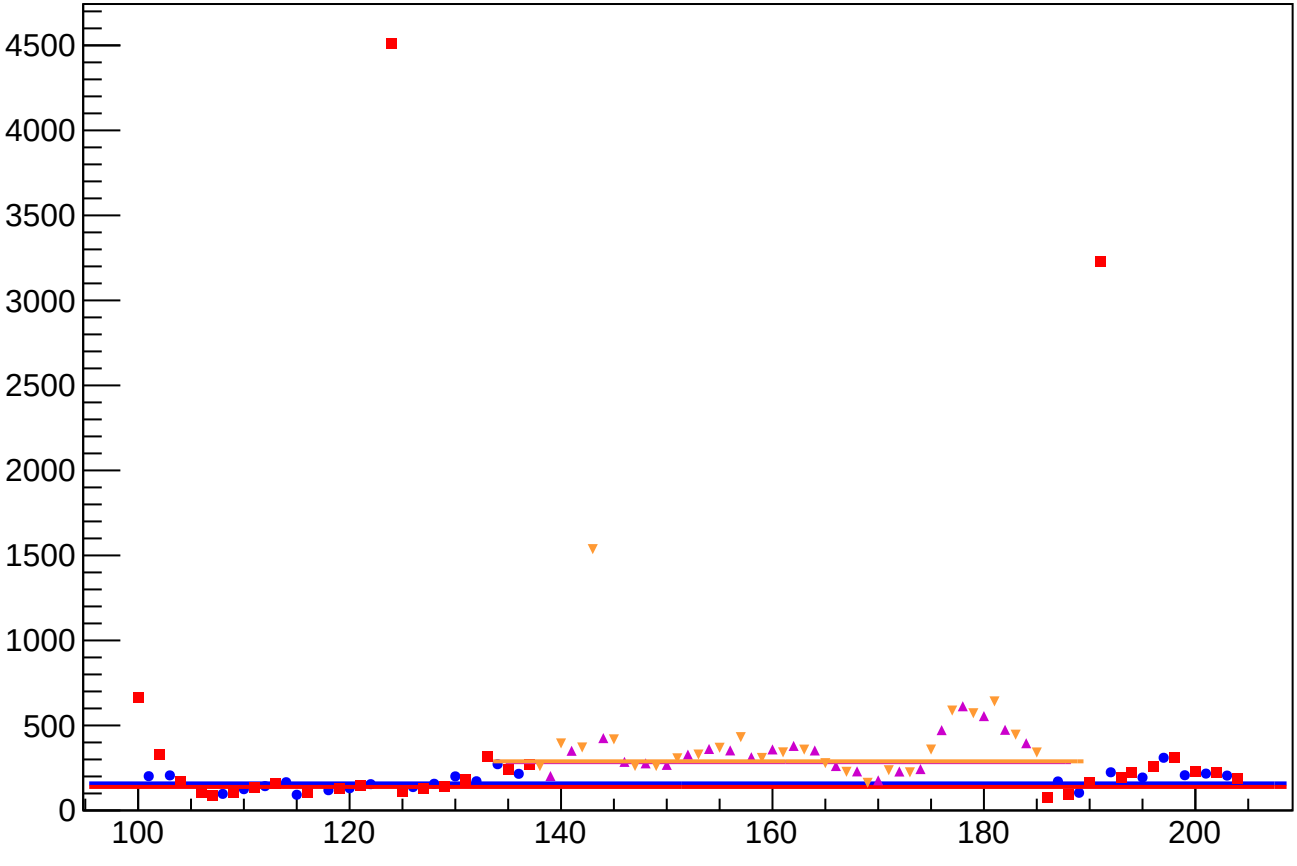
Right: 0.029+/-0.030 χ^2/NDF: 52.8/53

In: 0.069+/-0.039 χ^2/NDF:48.3/46

Out: -0.001+/-0.035 χ^2/NDF:59.5/54

All: 0.030+/-0.026 χ^2/NDF: 109.6/101

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 159.097+/-0.033 χ^2/NDF: 2214809.2/23

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

Right Out: 138.357+/-0.028 χ^2/NDF: 4659243.2/29

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

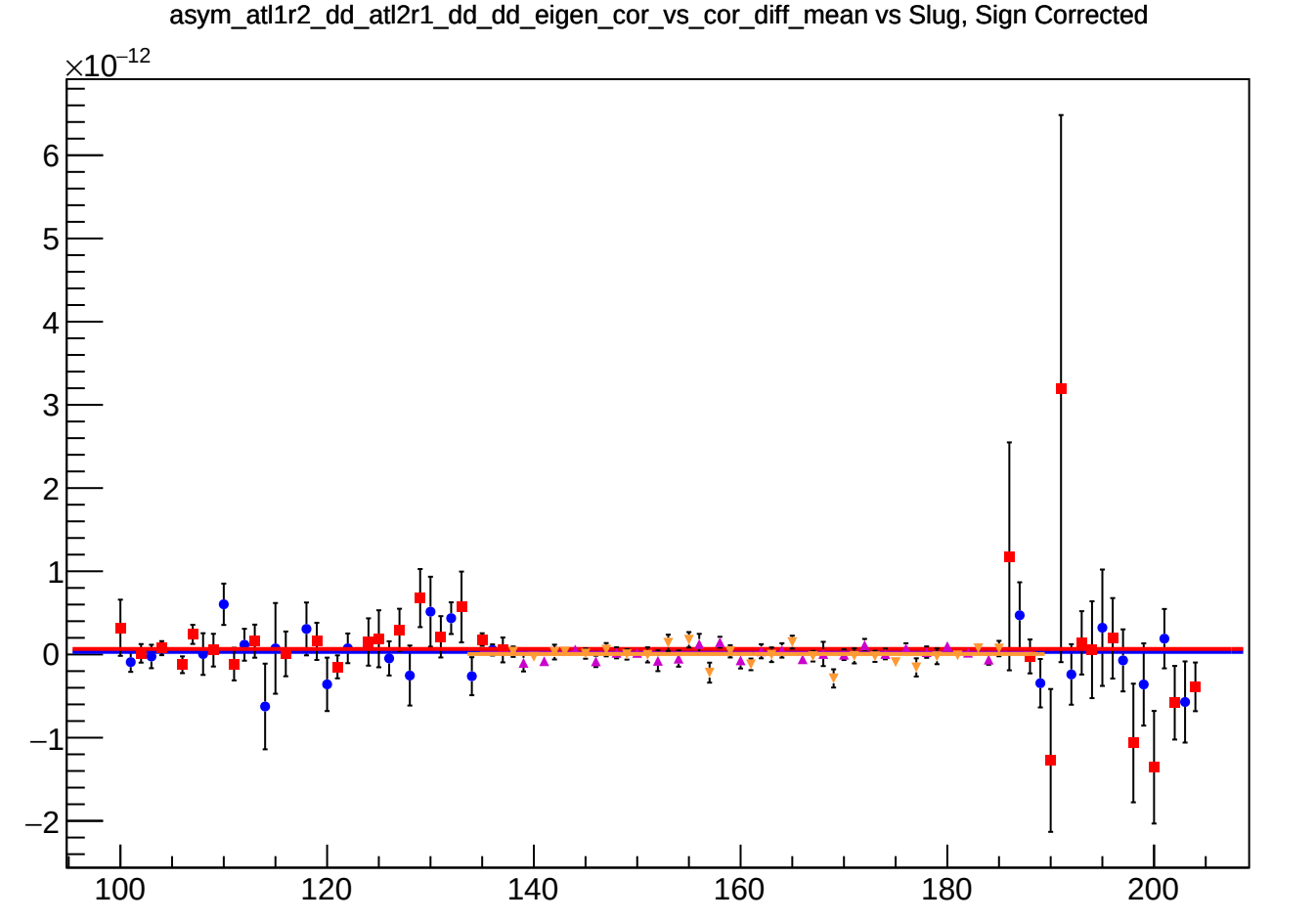
Left: 286.525+/-0.035 χ^2/NDF: 7730531.8/47

Right: 147.117+/-0.022 χ^2/NDF: 7100315.8/53

In: 197.498+/-0.028 χ^2/NDF:9666233.6/46

Out: 174.720+/-0.025 χ^2/NDF:16126036.6/54

All: 184.846+/-0.018 χ^2/NDF: 26170986.2/10



Right In: 0.000+/-0.000 χ^2/NDF: 25.1/23

Left Out: 0.000+/-0.000 χ^2/NDF:34.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 34.3/29

Left In: 0.000+/-0.000 χ^2/NDF:23.2/22

Left: 0.000+/-0.000 χ^2/NDF: 57.6/47

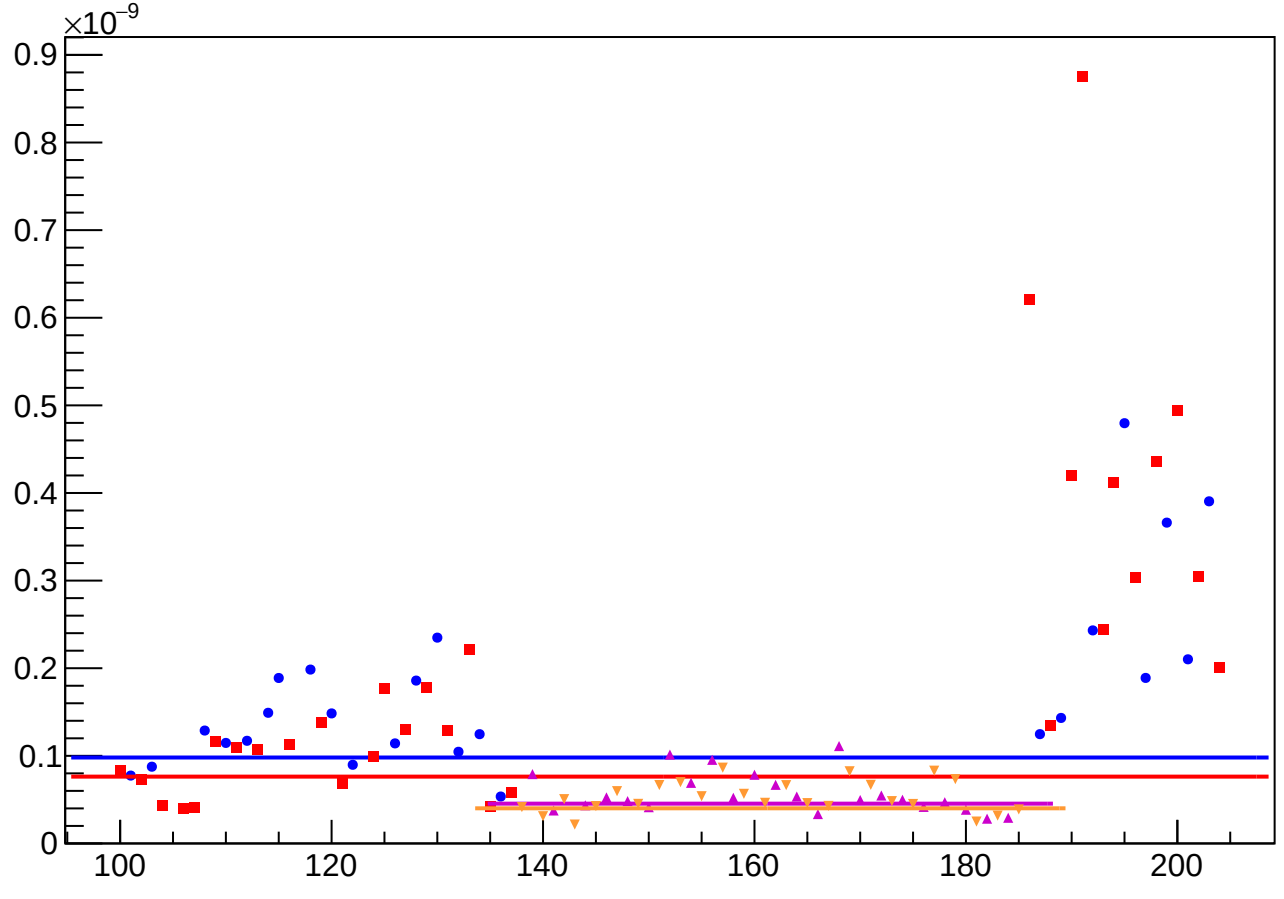
Right: 0.000+/-0.000 χ^2/NDF: 59.9/53

In: 0.000+/-0.000 χ^2/NDF:48.5/46

Out: 0.000+/-0.000 χ^2/NDF:71.4/54

All: 0.000+/-0.000 χ^2/NDF: 119.9/101

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 4310749.4/23

Left Out: 0.000+/-0.000 χ^2/NDF:3609934.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6944811.2/29

Left In: 0.000+/-0.000 χ^2/NDF:2780344.5/22

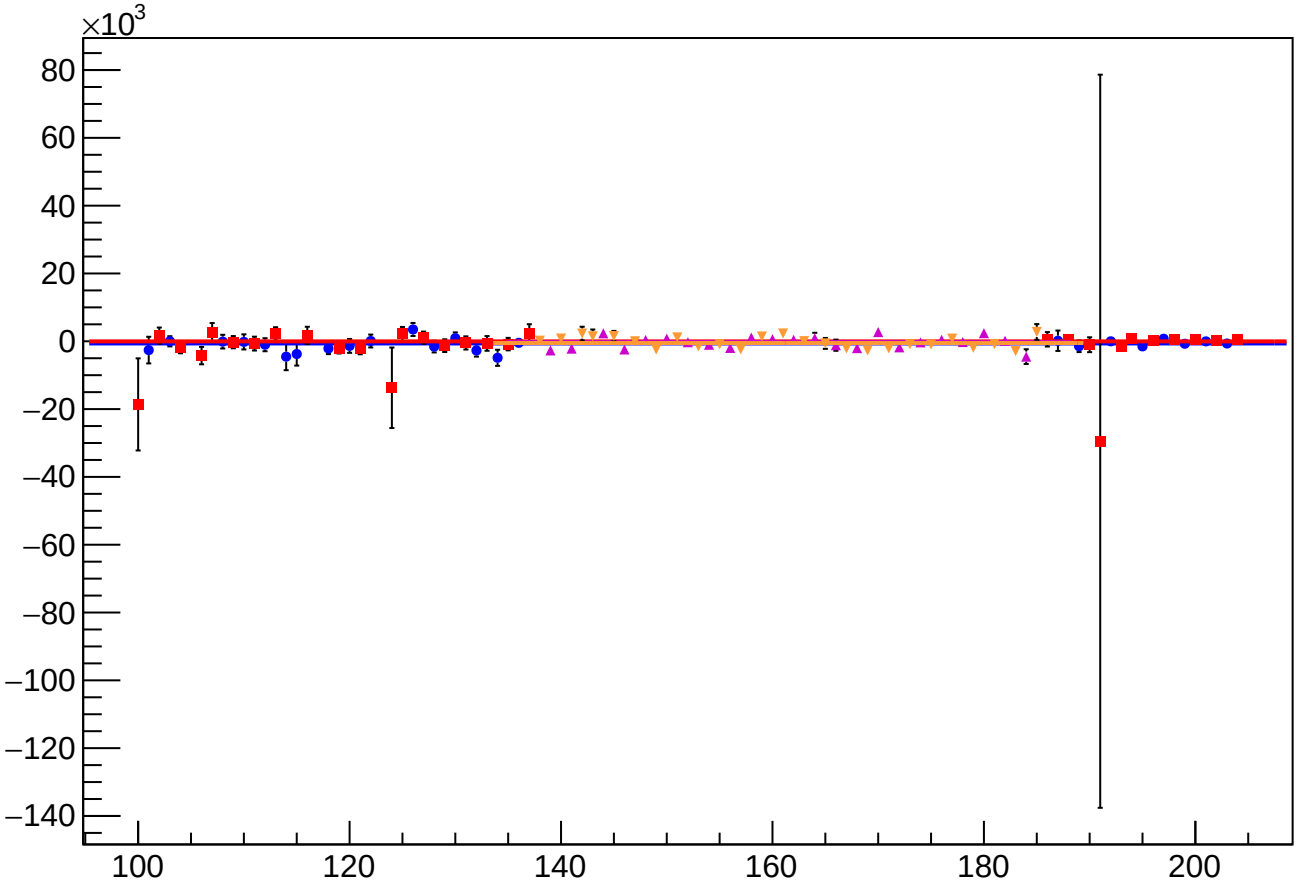
Left: 0.000+/-0.000 χ^2/NDF: 6559252.5/47

Right: 0.000+/-0.000 χ^2/NDF: 11599879.2/53

In: 0.000+/-0.000 χ^2/NDF:10080079.2/46

Out: 0.000+/-0.000 χ^2/NDF:12658284.9/54

All: 0.000+/-0.000 χ^2/NDF: 22995873.3/101



Right In: -637.841+/-355.983 χ^2/NDF: 15.6/23

Left Out: -514.484+/-285.945 χ^2/NDF:30.9/24

Right Out: -28.225+/-335.351 χ^2/NDF: 18.9/29

Left In: -242.686+/-291.166 χ^2/NDF:32.0/22

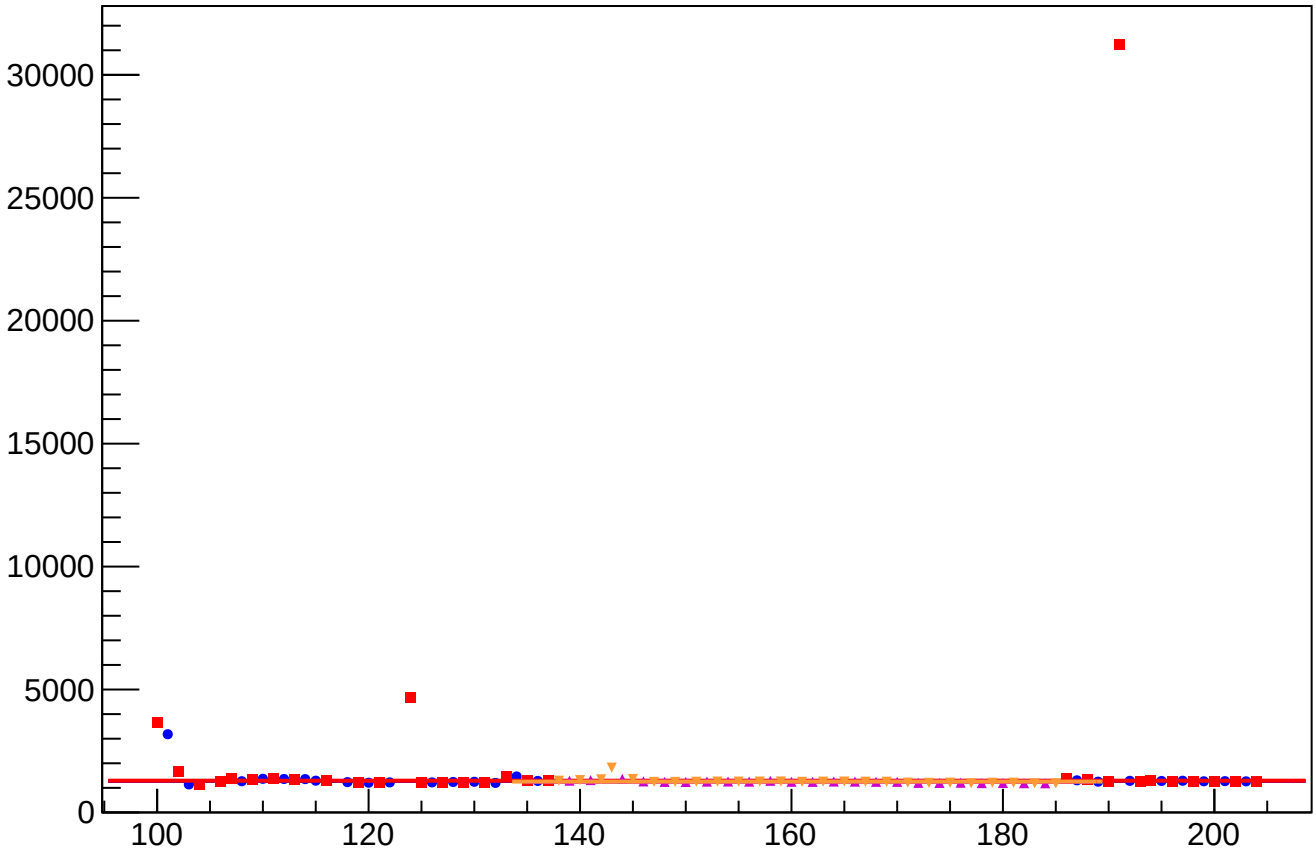
Left: -381.044+/-204.014 χ^2/NDF: 63.4/47

Right: -314.856+/-244.097 χ^2/NDF: 36.1/53

In: -401.079+/-225.379 χ^2/NDF:48.4/46

Out: -309.780+/-217.585 χ^2/NDF:51.0/54

All: -353.823+/-156.539 χ^2/NDF: 99.5/101



Right In: 1281.200+/-0.252 χ^2/NDF: 519673.8/23

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.1/24

Right Out: 1291.146+/-0.237 χ^2/NDF: 492212.3/29

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

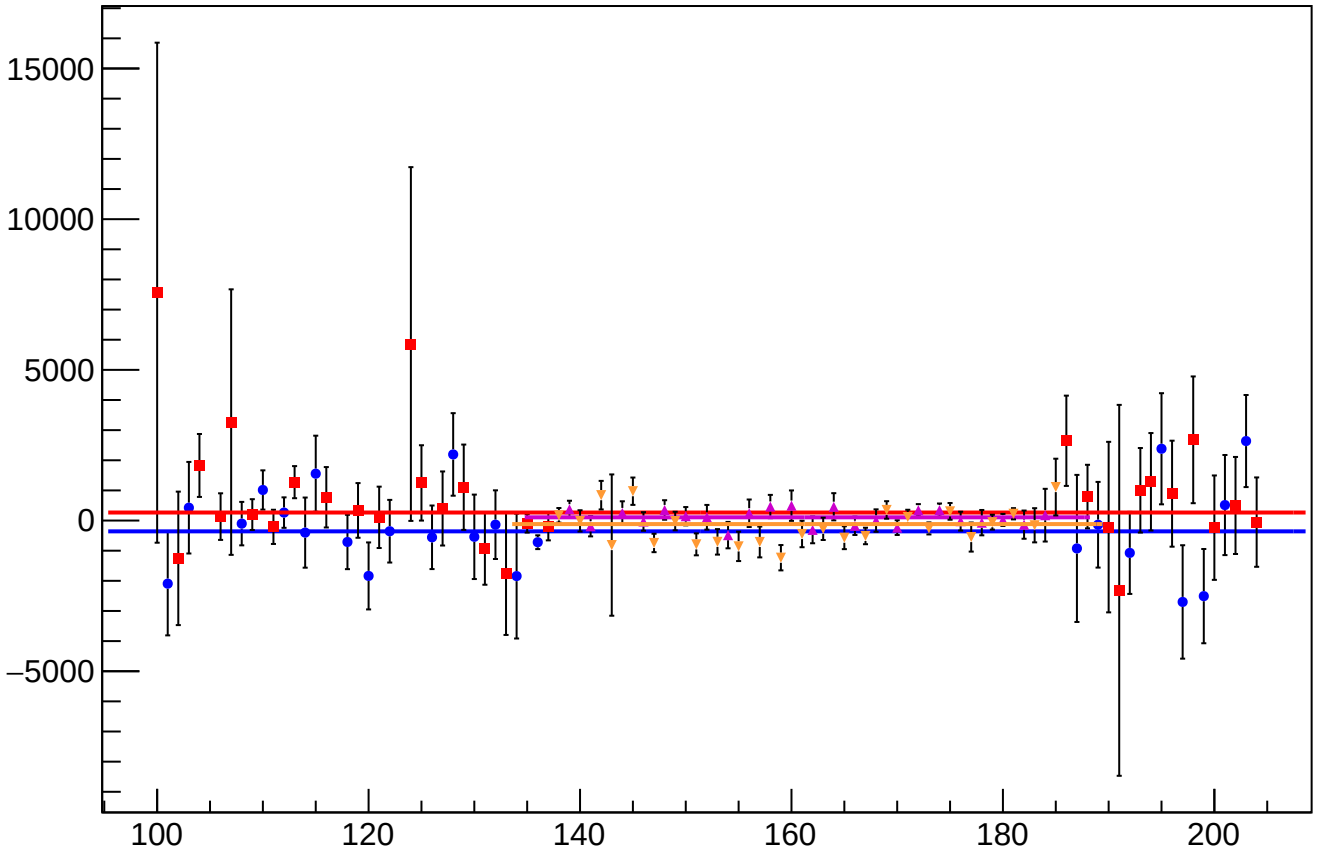
Left: 1251.017+/-0.144 χ^2/NDF: 243988.6/47

Right: 1286.470+/-0.173 χ^2/NDF: 1012713.3/53

In: 1260.322+/-0.159 χ^2/NDF:571012.8/46

Out: 1270.514+/-0.154 χ^2/NDF:708410.6/54

All: 1265.597+/-0.111 χ^2/NDF: 1281540.4/10



Right In: -358.361+/-161.534 χ^2/NDF: 28.3/23

Left Out: -117.028+/-65.059 χ^2/NDF:48.4/24

Right Out: 266.533+/-160.363 χ^2/NDF: 20.1/29

Left In: 107.341+/-67.001 χ^2/NDF:13.7/22

Left: -8.142+/-46.675 χ^2/NDF: 67.9/47

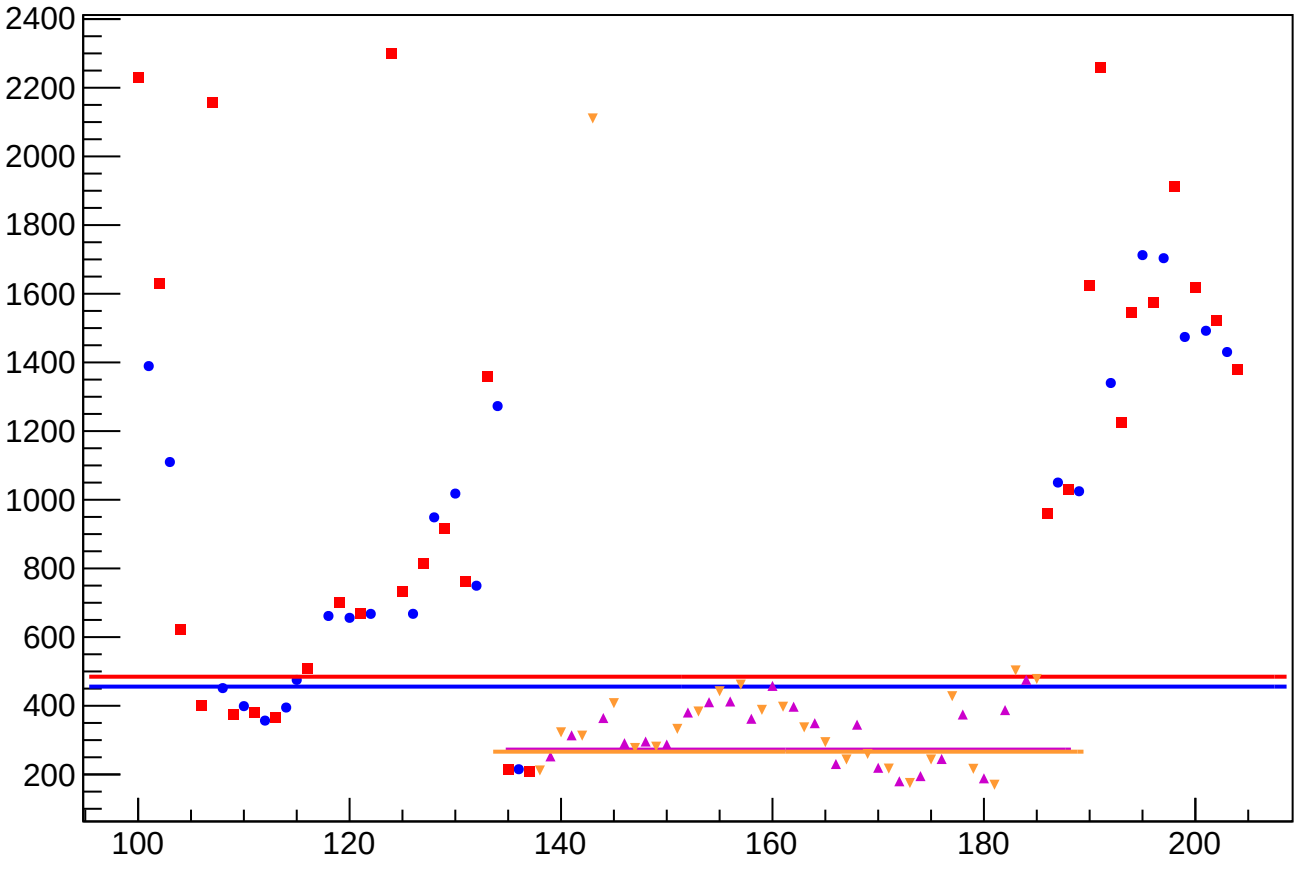
Right: -43.641+/-113.806 χ^2/NDF: 55.9/53

In: 38.982+/-61.888 χ^2/NDF:49.1/46

Out: -62.820+/-60.287 χ^2/NDF:73.5/54

All: -13.254+/-43.184 χ^2/NDF: 124.0/101

asym_atl1r2_dd_atl2r1_dd_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 455.835+/-0.114 χ^2/NDF: 10162596.3/23

Left Out: 266.321+/-0.046 χ^2/NDF:4630130.4/24

Right Out: 484.674+/-0.113 χ^2/NDF: 11519998.8/29

Left In: 272.368+/-0.047 χ^2/NDF:2887823.5/22

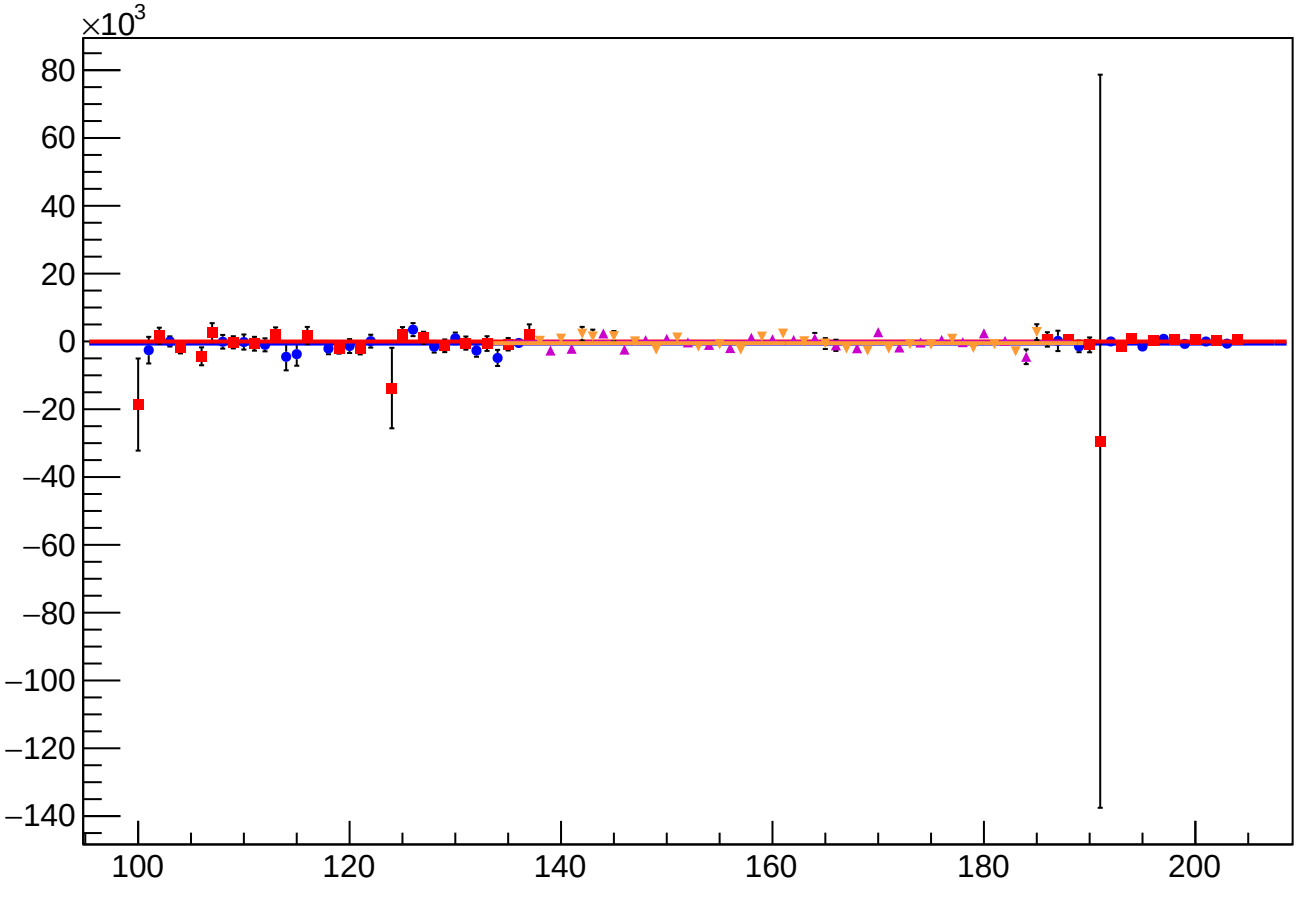
Left: 269.255+/-0.033 χ^2/NDF: 7526339.3/47

Right: 470.359+/-0.080 χ^2/NDF: 21714701.2/53

In: 299.298+/-0.044 χ^2/NDF:15251691.7/46

Out: 297.180+/-0.043 χ^2/NDF:19334075.9/54

All: 298.212+/-0.031 χ^2/NDF: 34586969.7/10



Right In: -637.671+/-355.983 χ^2/NDF: 15.6/23

Left Out: -514.430+/-285.945 χ^2/NDF:30.9/24

Right Out: -26.634+/-335.523 χ^2/NDF: 18.9/29

Left In: -242.663+/-291.166 χ^2/NDF:32.0/22

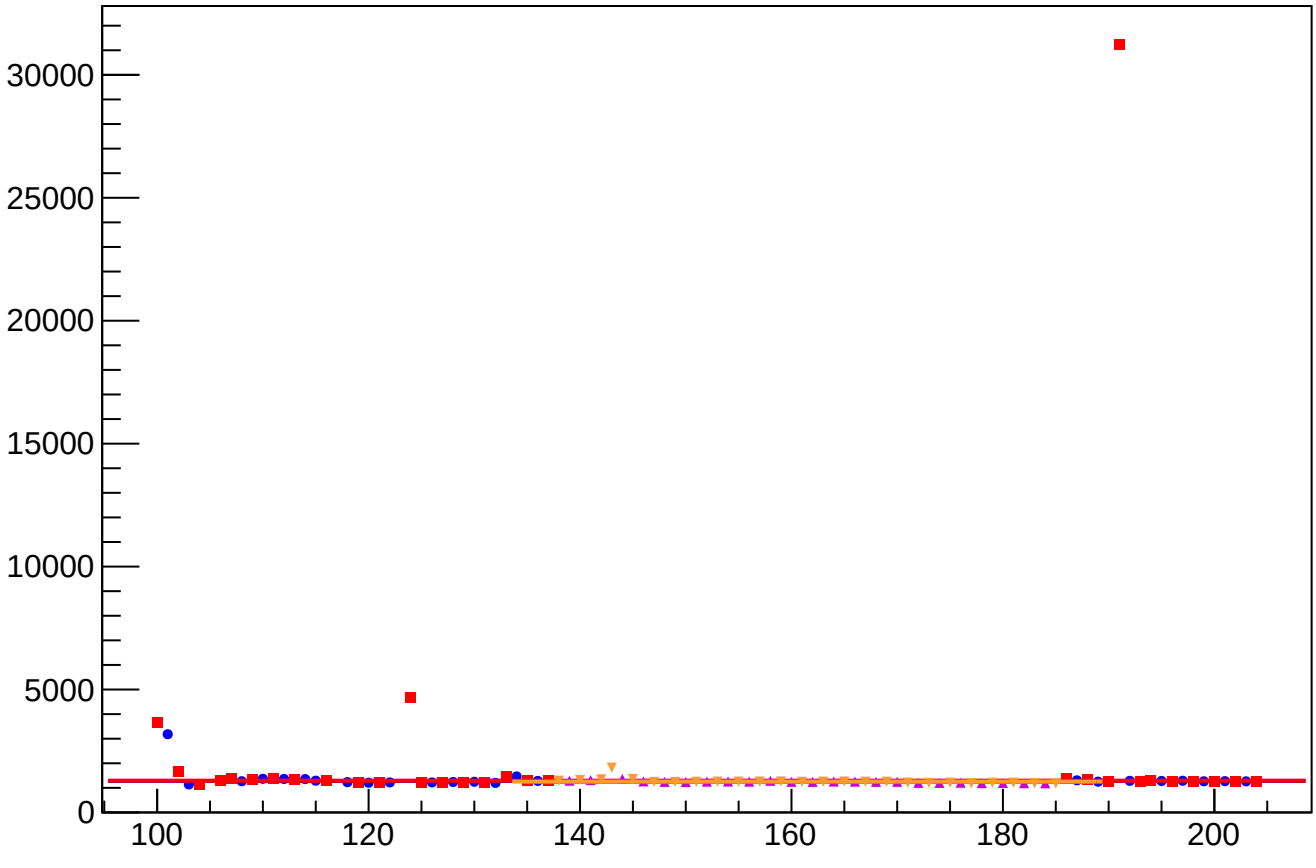
Left: -381.005+/-204.014 χ^2/NDF: 63.4/47

Right: -314.089+/-244.163 χ^2/NDF: 36.1/53

In: -400.997+/-225.379 χ^2/NDF:48.4/46

Out: -309.200+/-217.632 χ^2/NDF:51.1/54

All: -353.494+/-156.556 χ^2/NDF: 99.6/101



Right In: 1281.200+/-0.252 χ^2/NDF: 519675.2/23

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.0/24

Right Out: 1291.832+/-0.237 χ^2/NDF: 492010.9/29

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

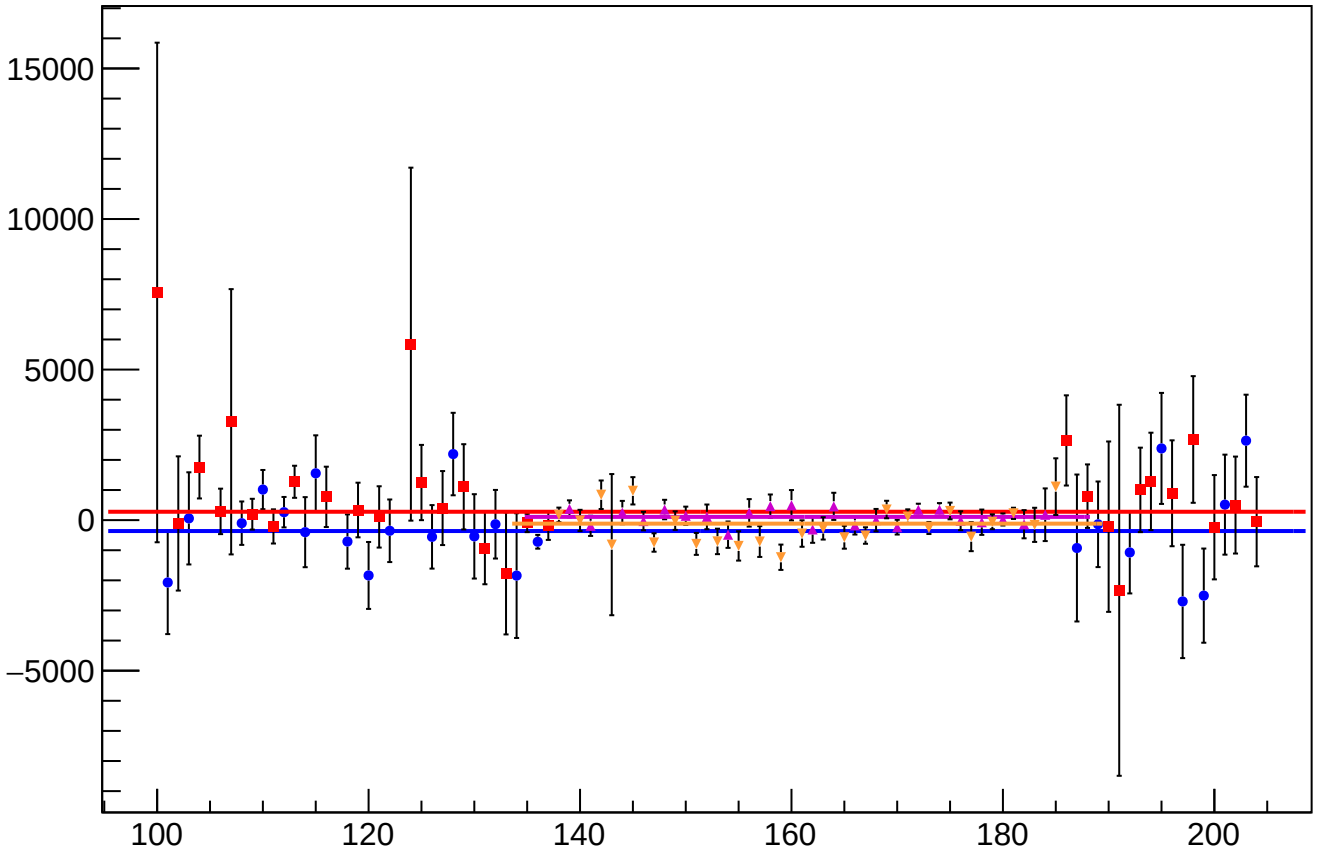
Left: 1251.017+/-0.144 χ^2/NDF: 243988.6/47

Right: 1286.830+/-0.173 χ^2/NDF: 1012630.8/53

In: 1260.322+/-0.159 χ^2/NDF:571014.1/46

Out: 1270.794+/-0.154 χ^2/NDF:708709.0/54

All: 1265.741+/-0.111 χ^2/NDF: 1281957.5/10



Right In: -362.465+/-161.552 χ^2/NDF: 28.1/23

Left Out: -117.002+/-65.060 χ^2/NDF:48.4/24

Right Out: 278.179+/-160.196 χ^2/NDF: 19.4/29

Left In: 107.459+/-67.003 χ^2/NDF:13.7/22

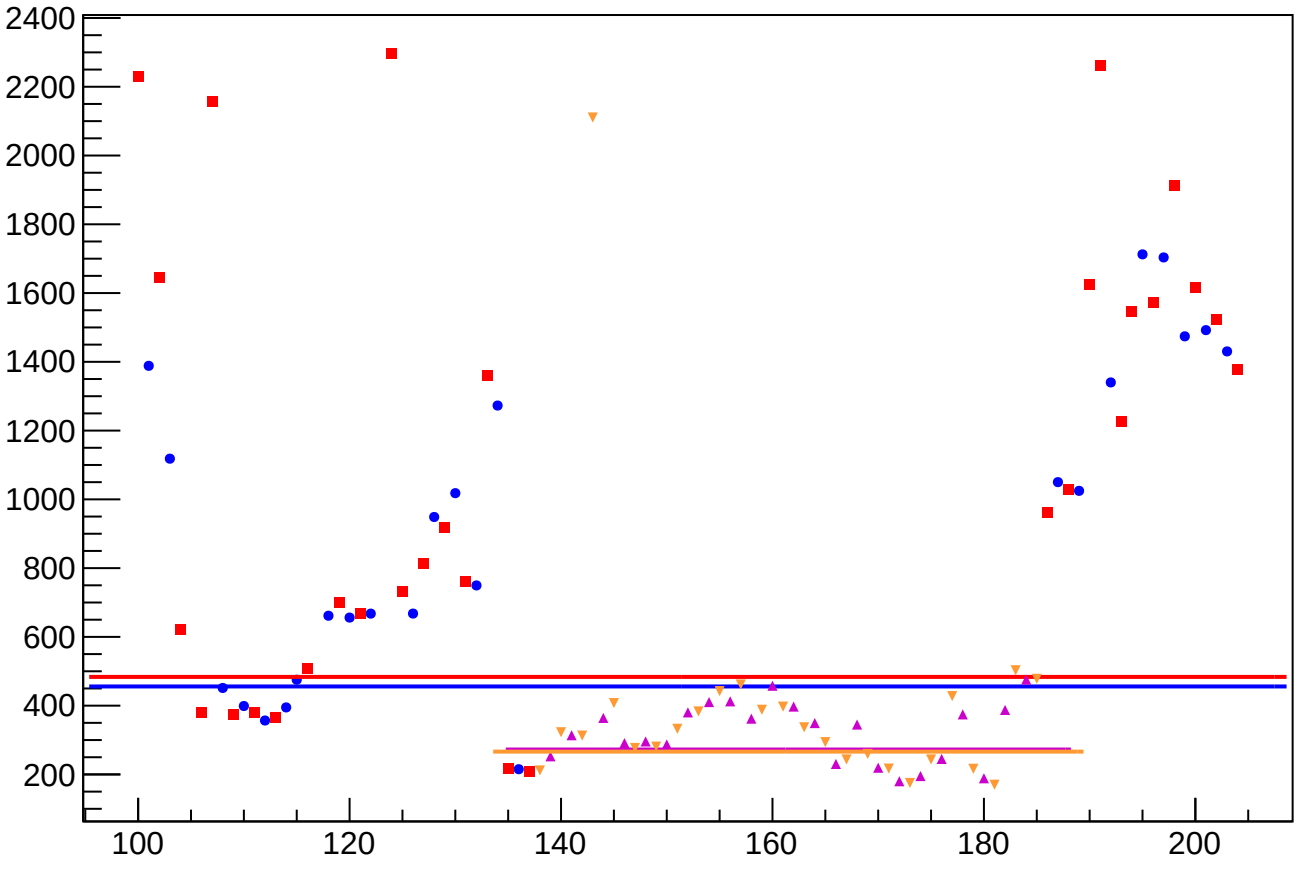
Left: -8.072+/-46.676 χ^2/NDF: 68.0/47

Right: -39.444+/-113.752 χ^2/NDF: 55.4/53

In: 38.490+/-61.891 χ^2/NDF:49.0/46

Out: -61.049+/-60.279 χ^2/NDF:73.1/54

All: -12.593+/-43.182 χ^2/NDF: 123.5/101



Right In: 455.844+/-0.114 χ^2/NDF: 10165734.7/23

Left Out: 266.326+/-0.046 χ^2/NDF:4630167.4/24

Right Out: 483.622+/-0.113 χ^2/NDF: 11540549.7/29

Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

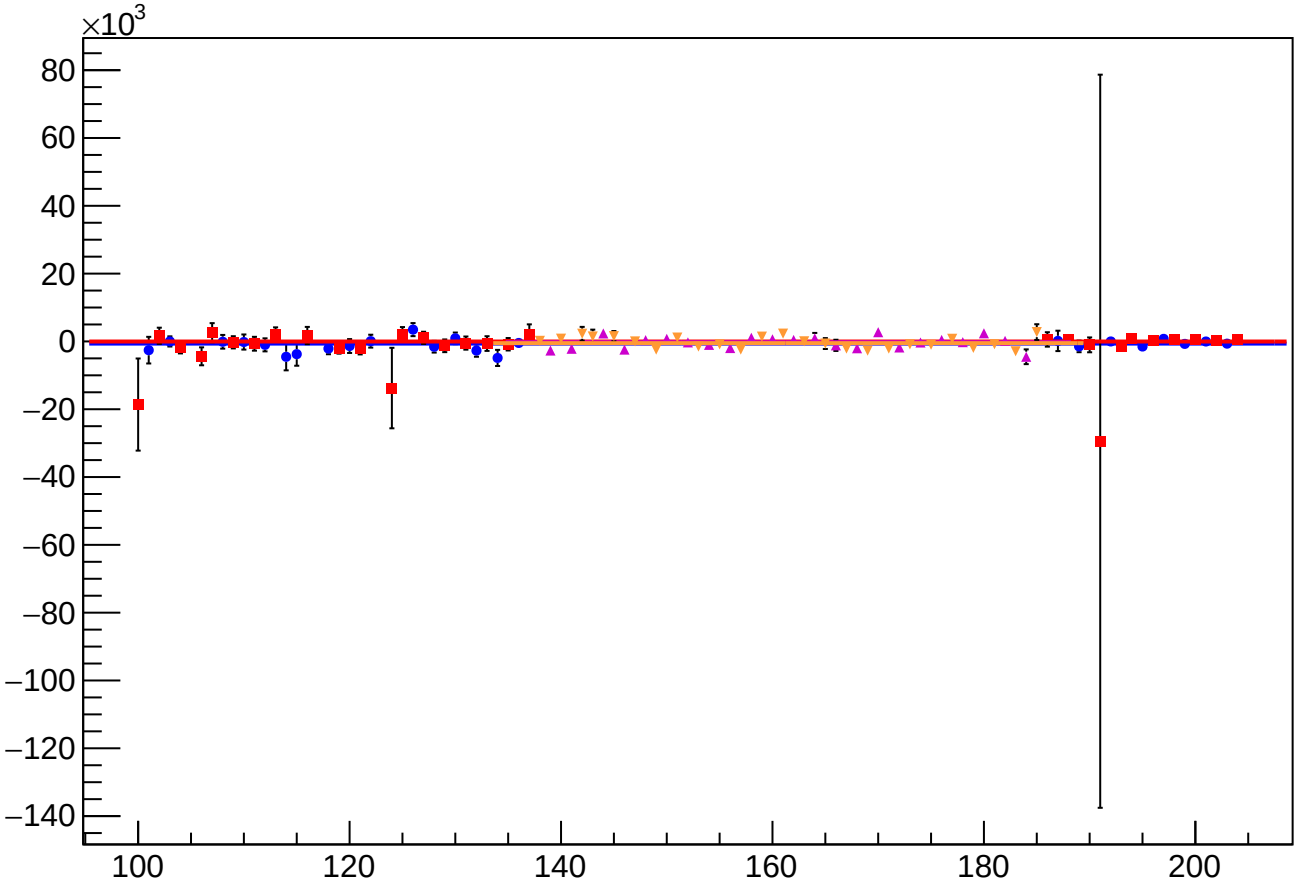
Left: 269.263+/-0.033 χ^2/NDF: 7526161.0/47

Right: 469.850+/-0.080 χ^2/NDF: 21736099.4/53

In: 299.304+/-0.044 χ^2/NDF:15254162.5/46

Out: 297.093+/-0.043 χ^2/NDF:19329537.9/54

All: 298.169+/-0.031 χ^2/NDF: 34585011.1/10



Right In: -637.671+/-355.983 χ^2/NDF: 15.6/23

Left Out: -514.430+/-285.945 χ^2/NDF:30.9/24

Right Out: -26.634+/-335.523 χ^2/NDF: 18.9/29

Left In: -242.663+/-291.166 χ^2/NDF:32.0/22

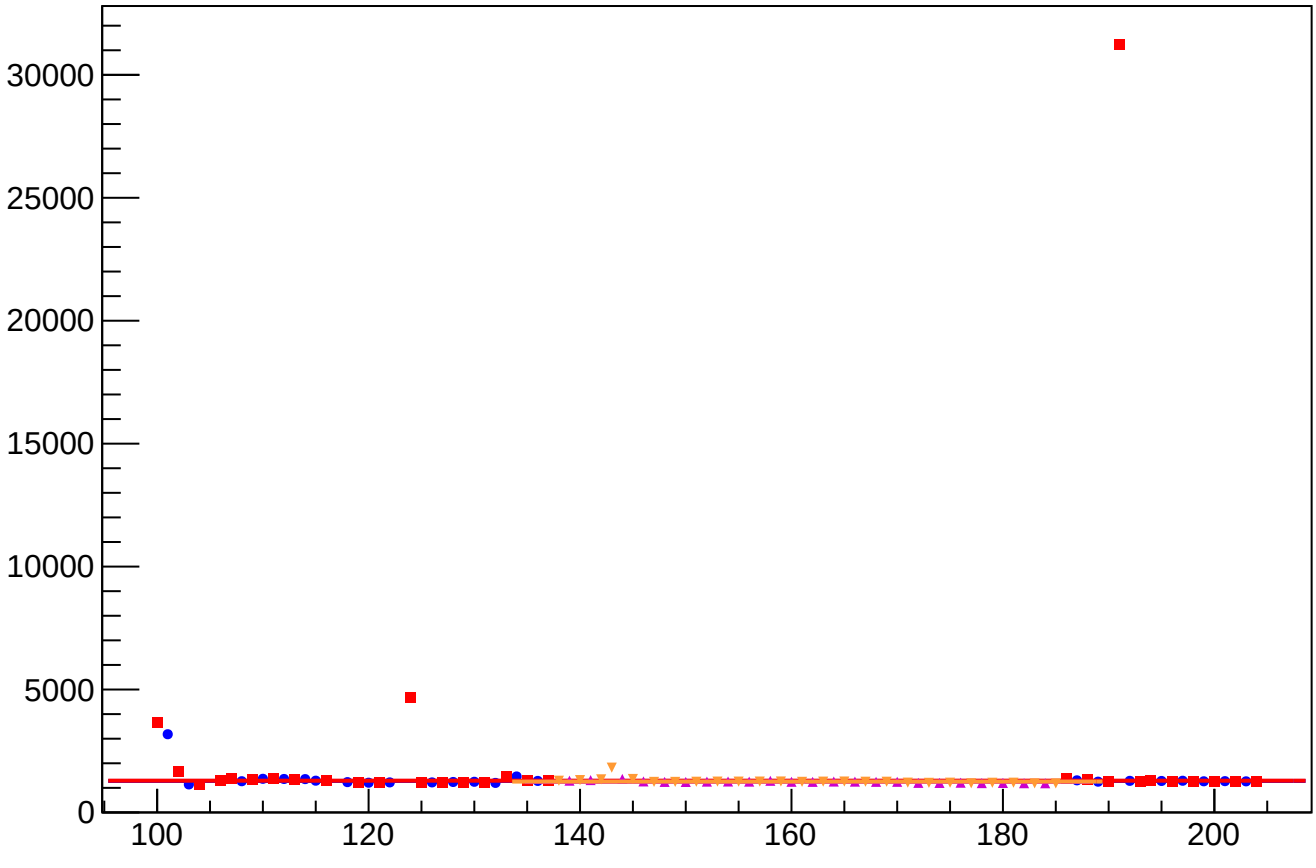
Left: -381.005+/-204.014 χ^2/NDF: 63.4/47

Right: -314.089+/-244.163 χ^2/NDF: 36.1/53

In: -400.997+/-225.379 χ^2/NDF:48.4/46

Out: -309.200+/-217.632 χ^2/NDF:51.1/54

All: -353.494+/-156.556 χ^2/NDF: 99.6/101



Right In: 1281.200+/-0.252 χ^2/NDF: 519675.2/23

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.0/24

Right Out: 1291.832+/-0.237 χ^2/NDF: 492010.9/29

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

Left: 1251.017+/-0.144 χ^2/NDF: 243988.6/47

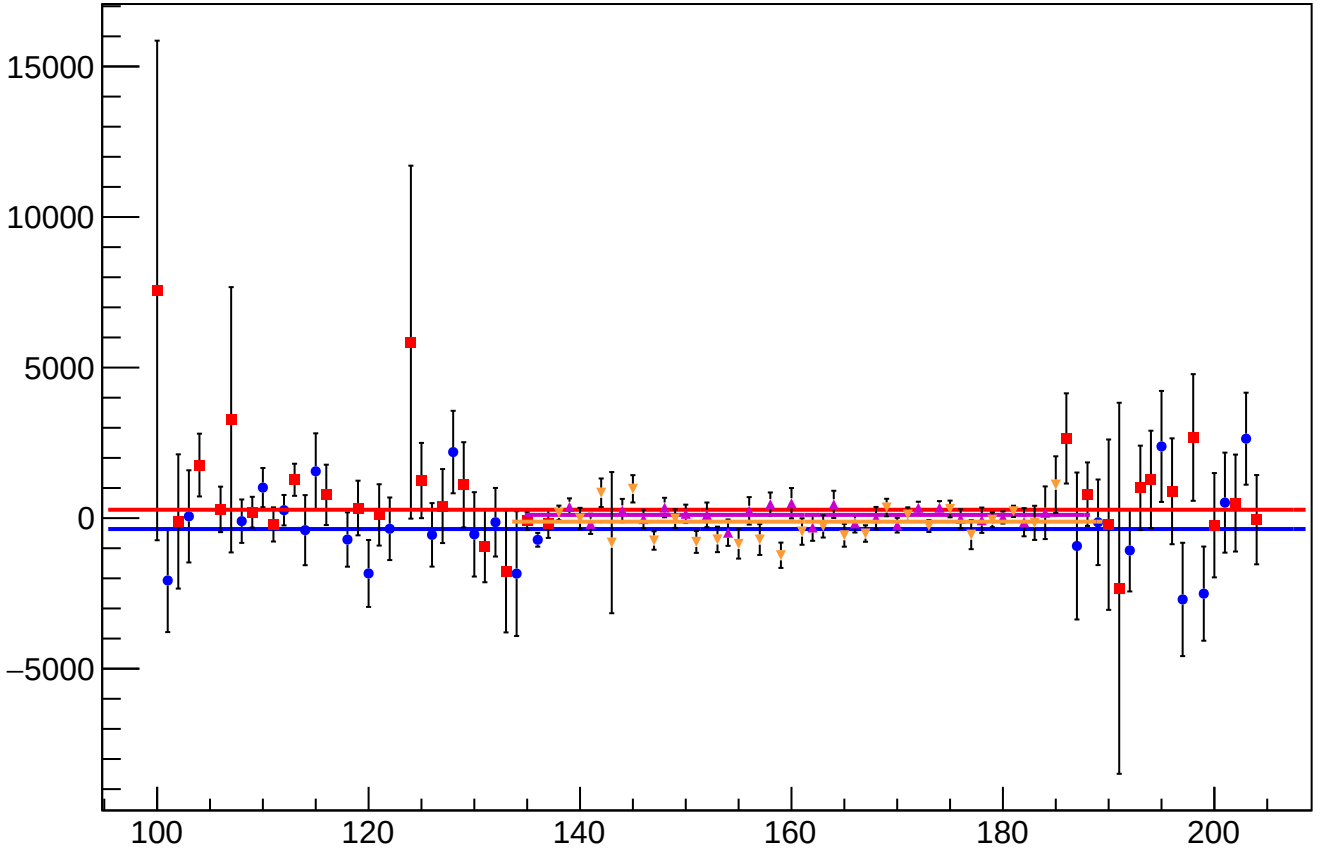
Right: 1286.830+/-0.173 χ^2/NDF: 1012630.8/53

In: 1260.322+/-0.159 χ^2/NDF:571014.1/46

Out: 1270.794+/-0.154 χ^2/NDF:708709.0/54

All: 1265.741+/-0.111 χ^2/NDF: 1281957.5/10

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -362.465+/-161.552 χ^2/NDF: 28.1/23

Left Out: -117.002+/-65.060 χ^2/NDF:48.4/24

Right Out: 278.179+/-160.196 χ^2/NDF: 19.4/29

Left In: 107.459+/-67.003 χ^2/NDF:13.7/22

Left: -8.072+/-46.676 χ^2/NDF: 68.0/47

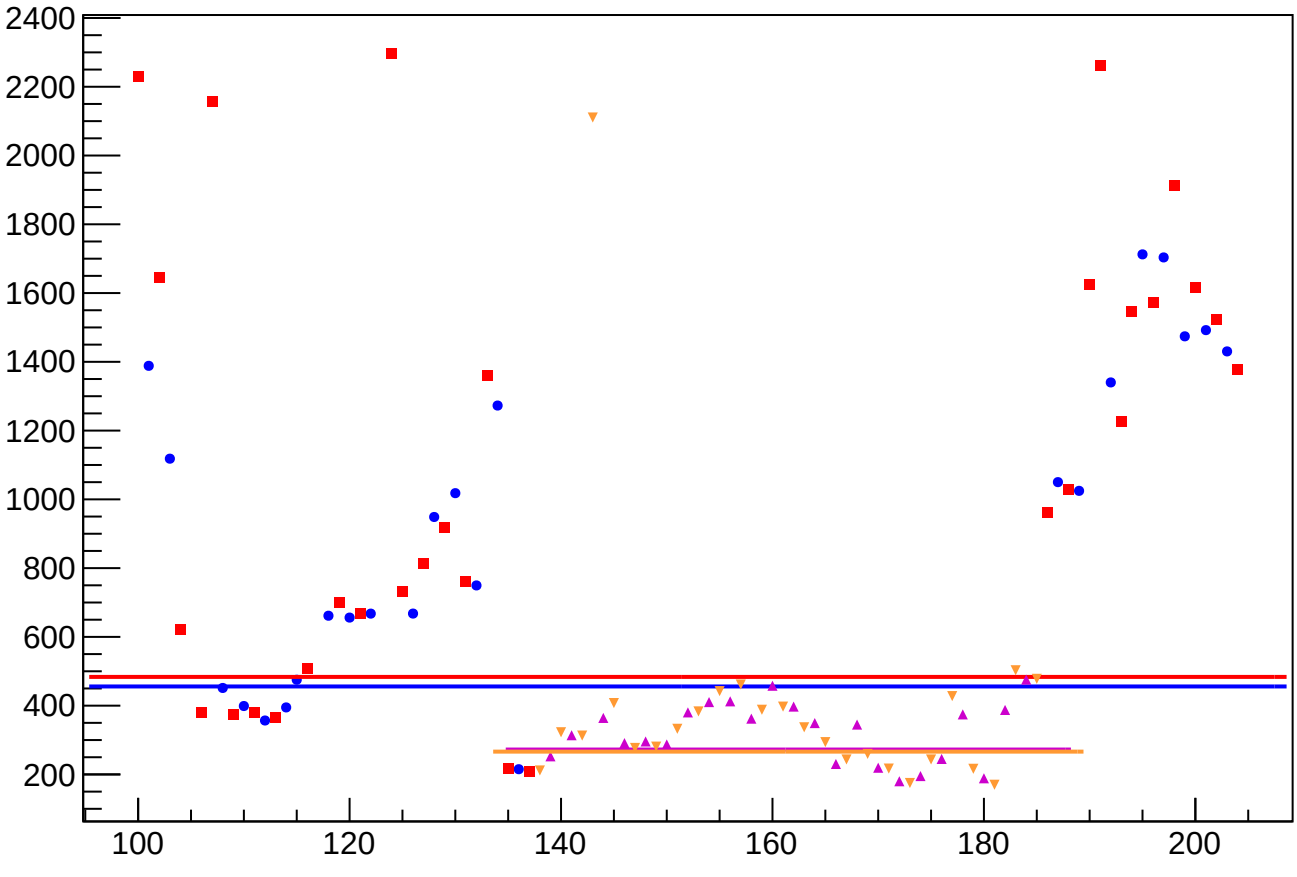
Right: -39.444+/-113.752 χ^2/NDF: 55.4/53

In: 38.490+/-61.891 χ^2/NDF:49.0/46

Out: -61.049+/-60.279 χ^2/NDF:73.1/54

All: -12.593+/-43.182 χ^2/NDF: 123.5/101

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 455.844+/-0.114 χ^2/NDF: 10165734.7/23

Left Out: 266.326+/-0.046 χ^2/NDF:4630167.4/24

Right Out: 483.622+/-0.113 χ^2/NDF: 11540549.7/29

Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

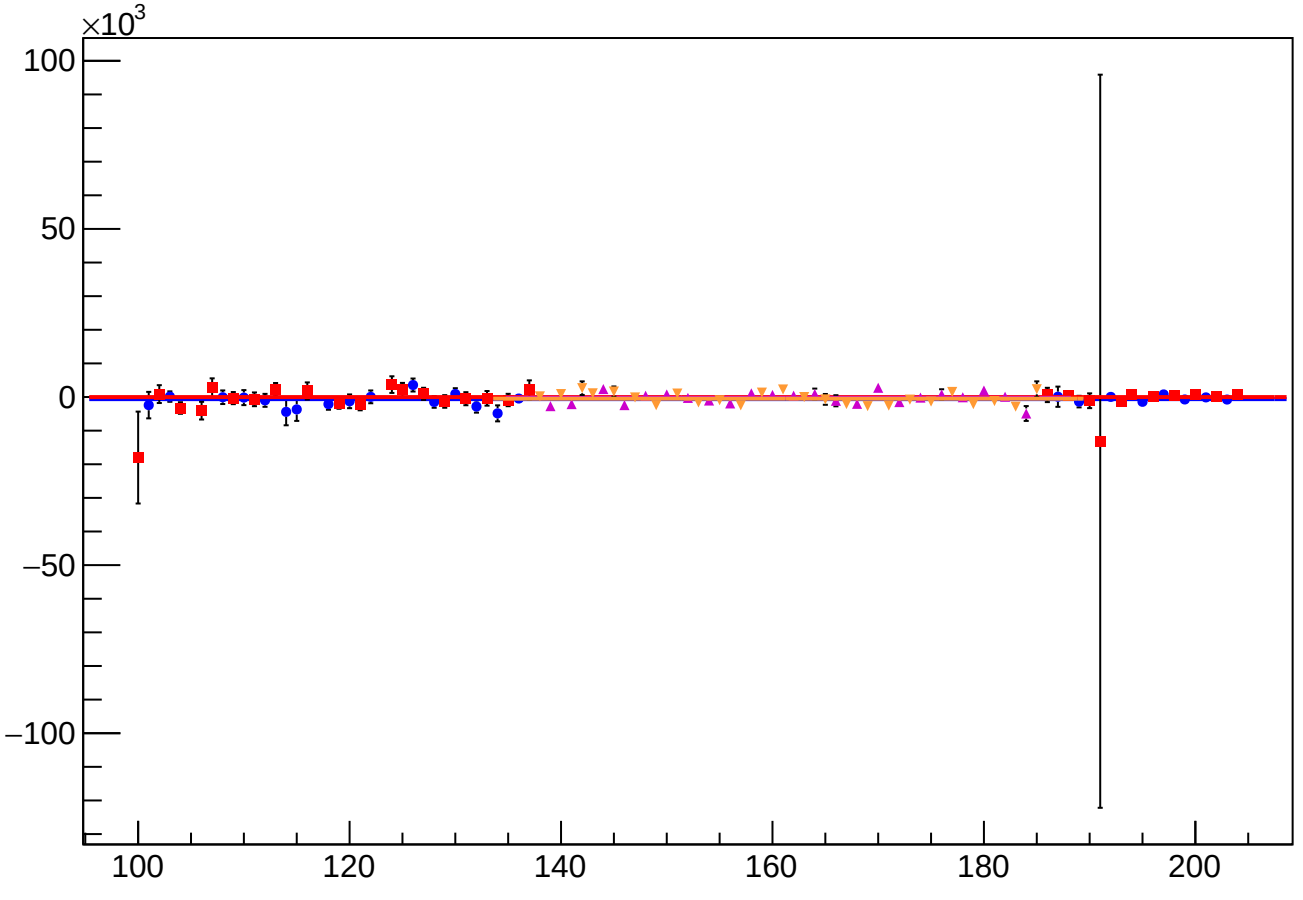
Left: 269.263+/-0.033 χ^2/NDF: 7526161.0/47

Right: 469.850+/-0.080 χ^2/NDF: 21736099.4/53

In: 299.304+/-0.044 χ^2/NDF:15254162.5/46

Out: 297.093+/-0.043 χ^2/NDF:19329537.9/54

All: 298.169+/-0.031 χ^2/NDF: 34585011.1/10



Right In: -623.243+/-357.219 χ^2/NDF: 15.7/23

Left Out: -493.436+/-282.734 χ^2/NDF:34.2/24

Right Out: -19.491+/-334.631 χ^2/NDF: 20.7/29

Left In: -242.004+/-294.339 χ^2/NDF:30.7/22

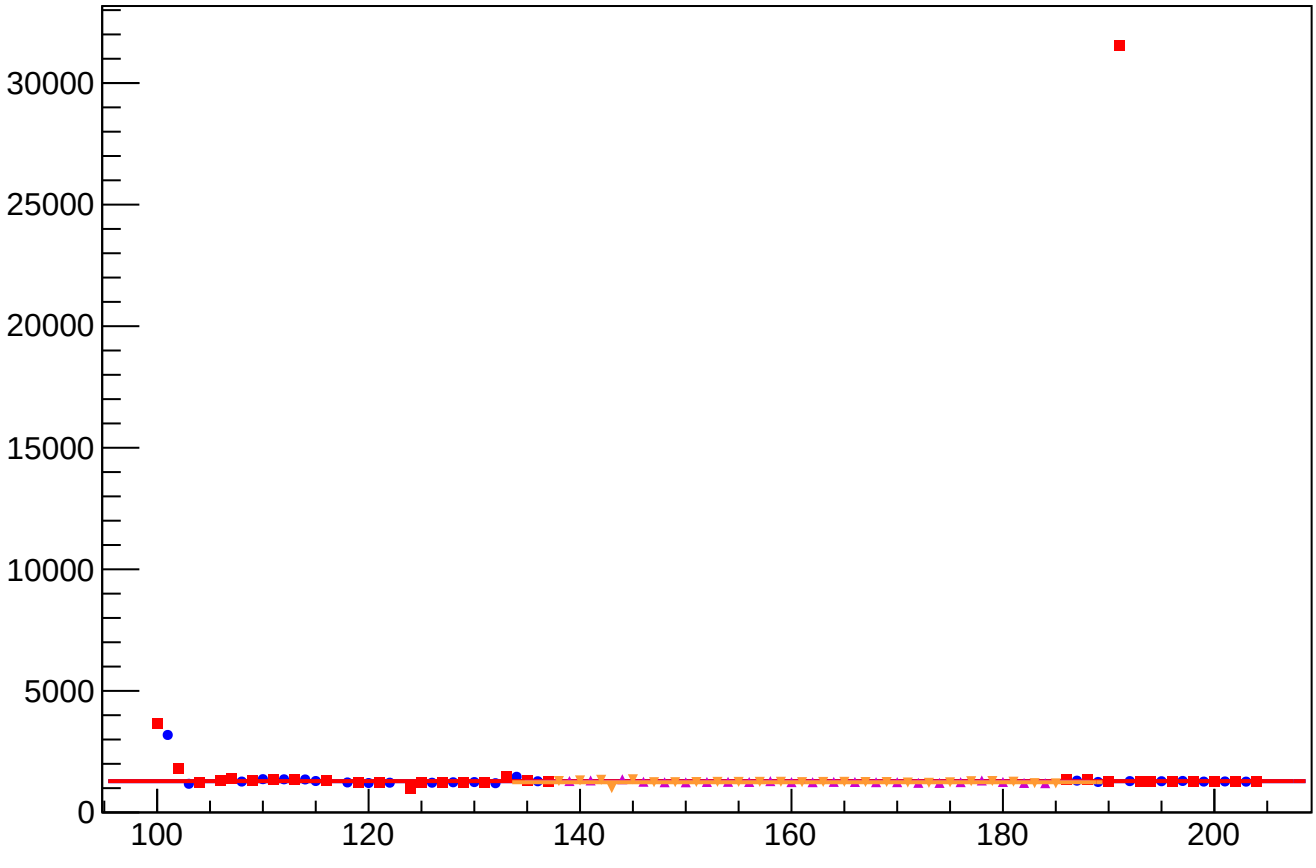
Left: -372.774+/-203.903 χ^2/NDF: 65.3/47

Right: -301.676+/-244.215 χ^2/NDF: 37.9/53

In: -396.171+/-227.160 χ^2/NDF:47.0/46

Out: -296.025+/-215.967 χ^2/NDF:56.1/54

All: -343.570+/-156.519 χ^2/NDF: 103.2/101



Right In: 1285.782+/-0.253 χ^2/NDF: 511383.7/23

Left Out: 1242.539+/-0.200 χ^2/NDF:130023.1/24

Right Out: 1288.644+/-0.237 χ^2/NDF: 373602.5/29

Left In: 1260.094+/-0.208 χ^2/NDF:27932.1/22

Left: 1250.964+/-0.144 χ^2/NDF: 161655.2/47

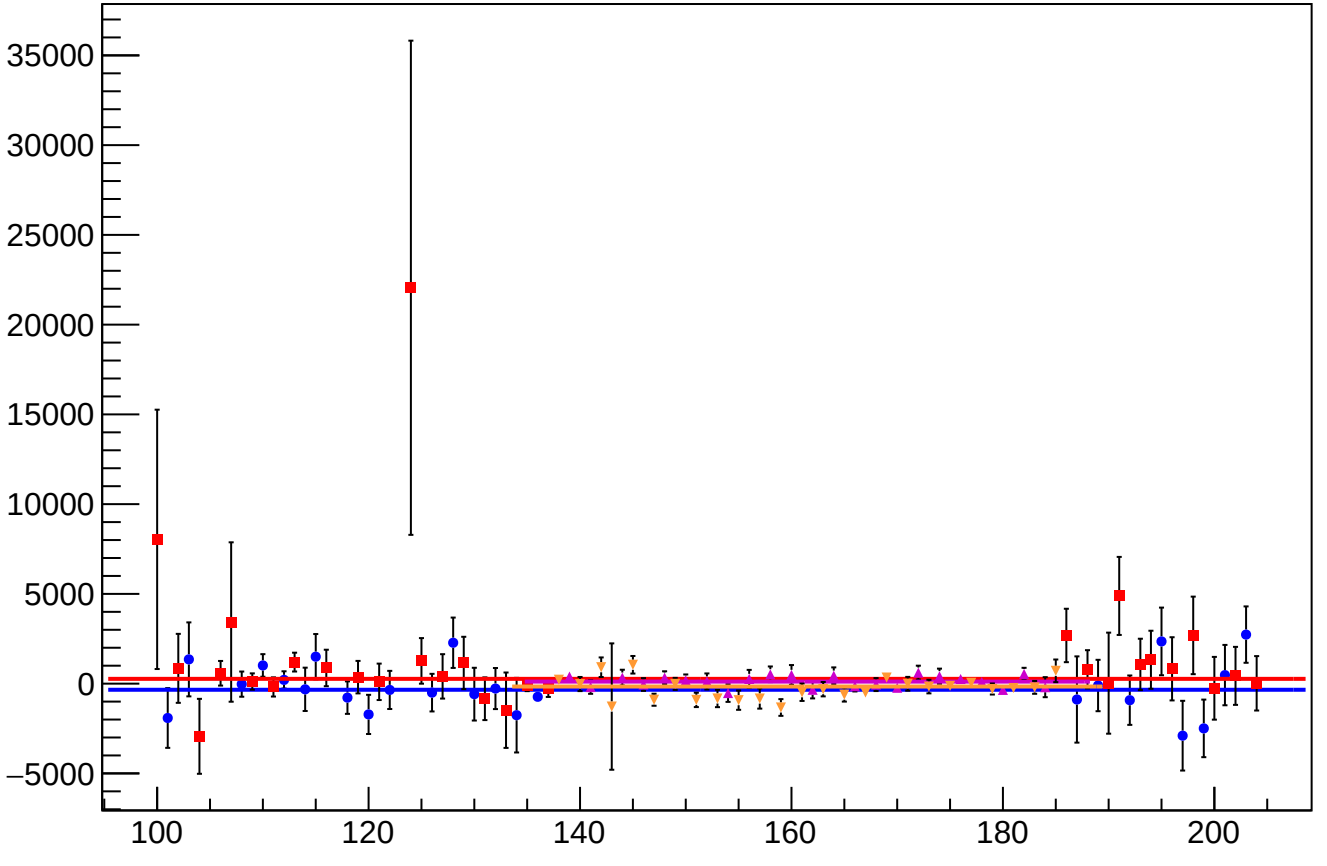
Right: 1287.307+/-0.173 χ^2/NDF: 885054.6/53

In: 1270.482+/-0.161 χ^2/NDF:545476.2/46

Out: 1261.743+/-0.153 χ^2/NDF:525777.8/54

All: 1265.892+/-0.111 χ^2/NDF: 1072808.5/10

asym_atl1r2_dd_atl2r1_dd_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -340.944+/-163.302 χ^2/NDF: 28.3/23

Left Out: -160.930+/-64.133 χ^2/NDF:43.8/24

Right Out: 267.014+/-160.204 χ^2/NDF: 25.9/29

Left In: 113.722+/-68.841 χ^2/NDF:18.2/22

Left: -33.316+/-46.925 χ^2/NDF: 70.5/47

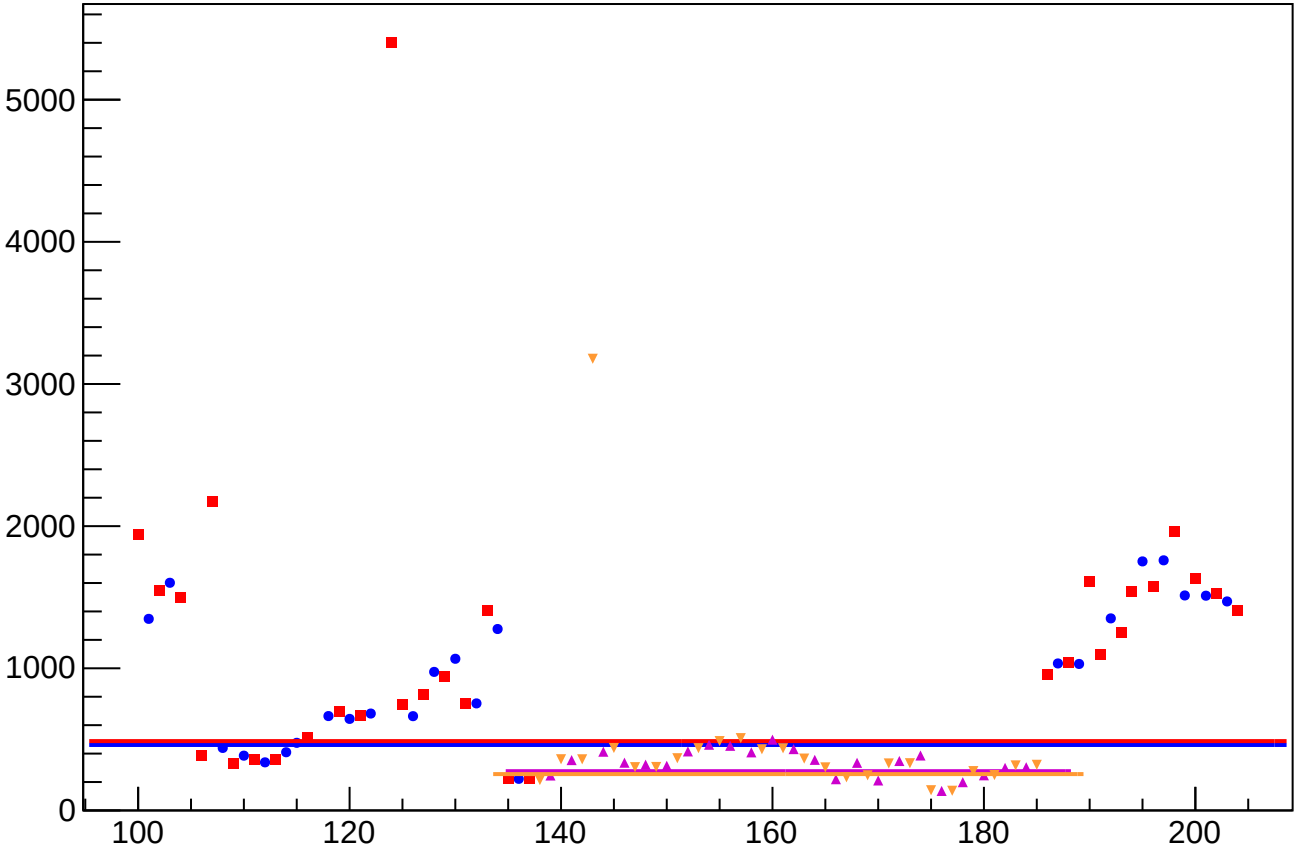
Right: -31.143+/-114.361 χ^2/NDF: 61.3/53

In: 45.116+/-63.435 χ^2/NDF:53.1/46

Out: -101.821+/-59.539 χ^2/NDF:75.8/54

All: -33.003+/-43.412 χ^2/NDF: 131.8/101

asym_atl1r2_dd_atl2r1_dd_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 460.680+/-0.115 χ^2/NDF: 10323506.0/23

Left Out: 255.768+/-0.045 χ^2/NDF:6373929.4/24

Right Out: 487.908+/-0.113 χ^2/NDF: 12055652.5/29

Left In: 276.298+/-0.049 χ^2/NDF:4027410.5/22

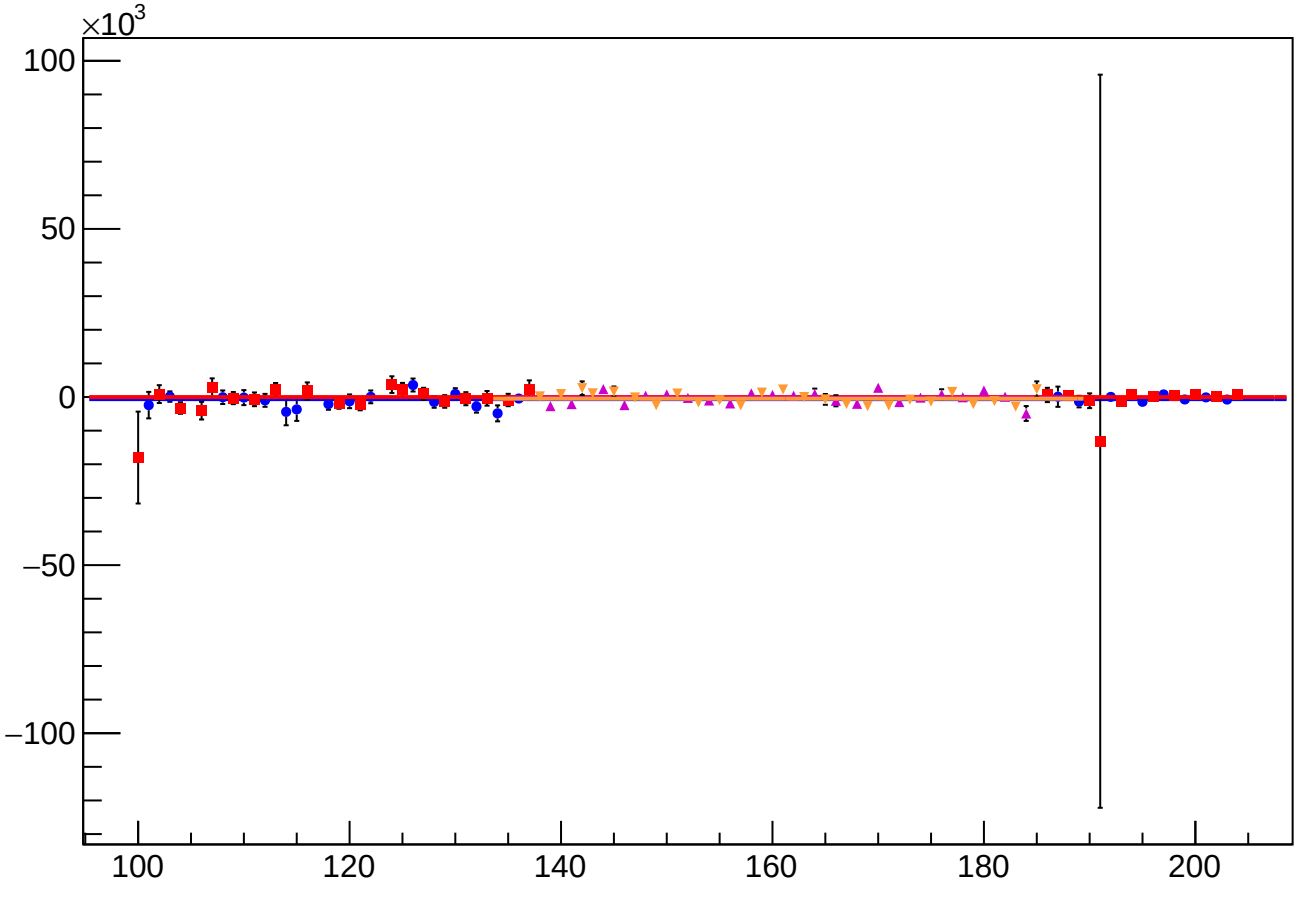
Left: 265.307+/-0.033 χ^2/NDF: 10496569.7/47

Right: 474.555+/-0.081 χ^2/NDF: 22407492.4/53

In: 304.120+/-0.045 χ^2/NDF:16515844.9/46

Out: 287.832+/-0.042 χ^2/NDF:22048946.5/54

All: 295.460+/-0.031 χ^2/NDF: 38634898.8/10



Right In: -623.245+/-357.219 χ^2/NDF: 15.7/23

Left Out: -493.435+/-282.734 χ^2/NDF:34.2/24

Right Out: -19.490+/-334.631 χ^2/NDF: 20.7/29

Left In: -242.004+/-294.339 χ^2/NDF:30.7/22

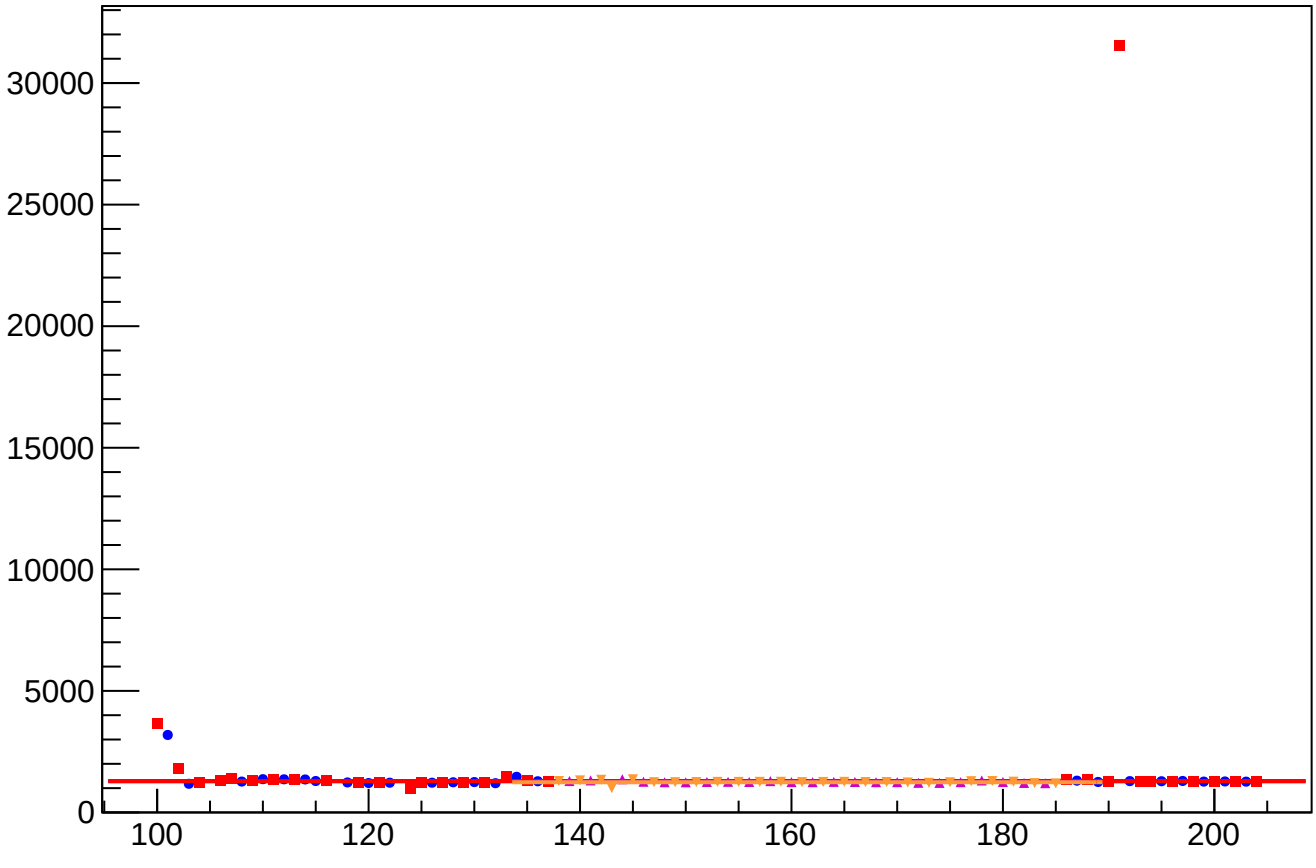
Left: -372.774+/-203.903 χ^2/NDF: 65.3/47

Right: -301.677+/-244.215 χ^2/NDF: 37.9/53

In: -396.172+/-227.160 χ^2/NDF:47.0/46

Out: -296.024+/-215.967 χ^2/NDF:56.1/54

All: -343.570+/-156.519 χ^2/NDF: 103.2/101



Right In: 1285.782+/-0.253 χ^2/NDF: 511383.7/23

Left Out: 1242.539+/-0.200 χ^2/NDF:130022.2/24

Right Out: 1288.644+/-0.237 χ^2/NDF: 373602.8/29

Left In: 1260.094+/-0.208 χ^2/NDF:27932.2/22

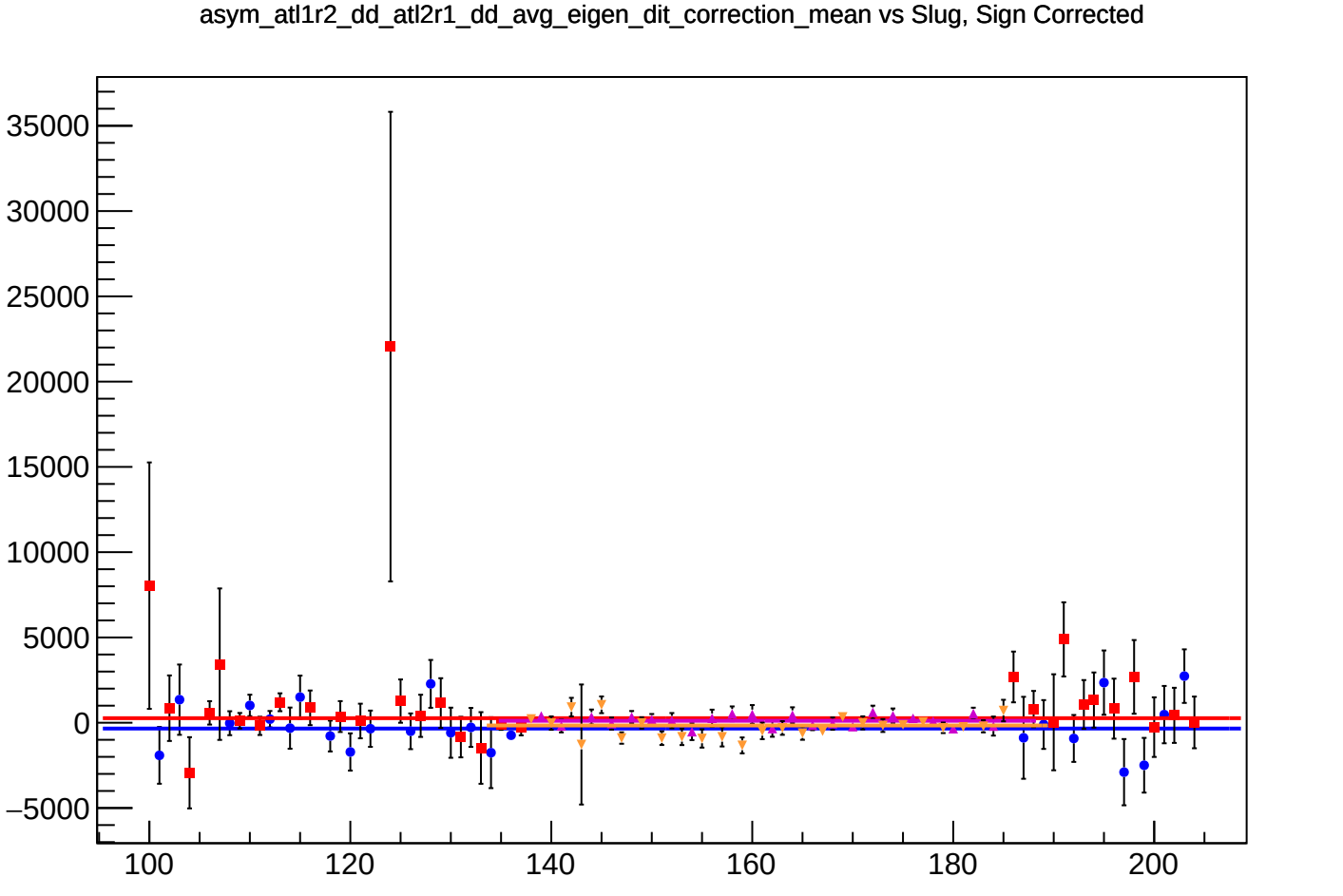
Left: 1250.964+/-0.144 χ^2/NDF: 161654.3/47

Right: 1287.307+/-0.173 χ^2/NDF: 885054.8/53

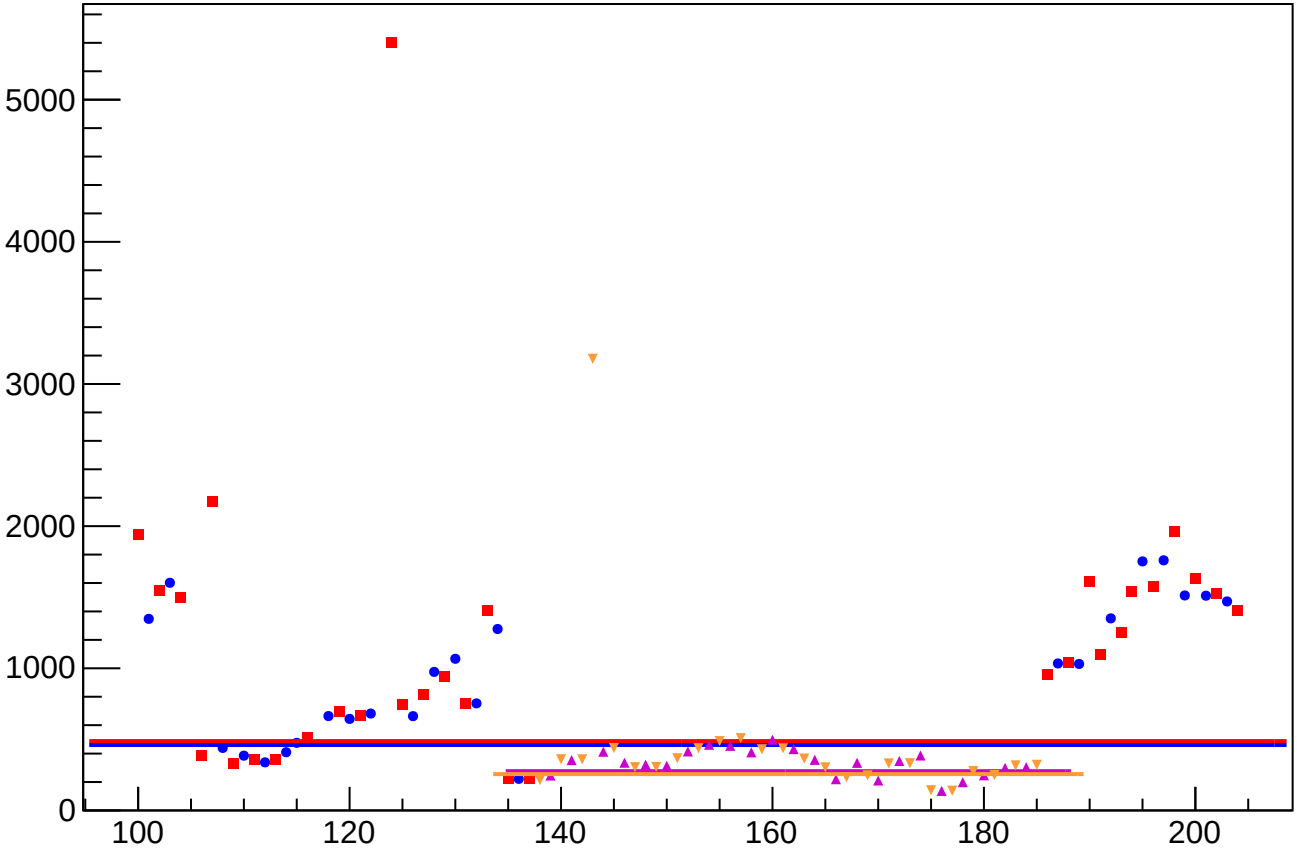
In: 1270.482+/-0.161 χ^2/NDF:545476.3/46

Out: 1261.743+/-0.153 χ^2/NDF:525777.2/54

All: 1265.892+/-0.111 χ^2/NDF: 1072807.9/10


asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
35000
30000
25000
20000
15000
10000
5000
0
−5000
100
120
140
160
180
200
Right In: -340.944+/-163.305 χ²/NDF: 28.3/23
Left Out: -160.933+/-64.133 χ²/NDF:43.8/24
Right Out: 267.022+/-160.206 χ²/NDF: 25.9/29
Left In: 113.720+/-68.841 χ²/NDF:18.2/22
Left: -33.318+/-46.925 χ²/NDF: 70.5/47
Right: -31.137+/-114.362 χ²/NDF: 61.3/53
In: 45.116+/-63.435 χ²/NDF:53.1/46
Out: -101.824+/-59.539 χ²/NDF:75.8/54
All: -33.004+/-43.413 χ²/NDF: 131.8/101

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 460.692+/-0.115 χ^2/NDF: 10323205.6/23

Left Out: 255.770+/-0.045 χ^2/NDF:6373829.7/24

Right Out: 487.918+/-0.113 χ^2/NDF: 12055388.0/29

Left In: 276.299+/-0.049 χ^2/NDF:4027371.0/22

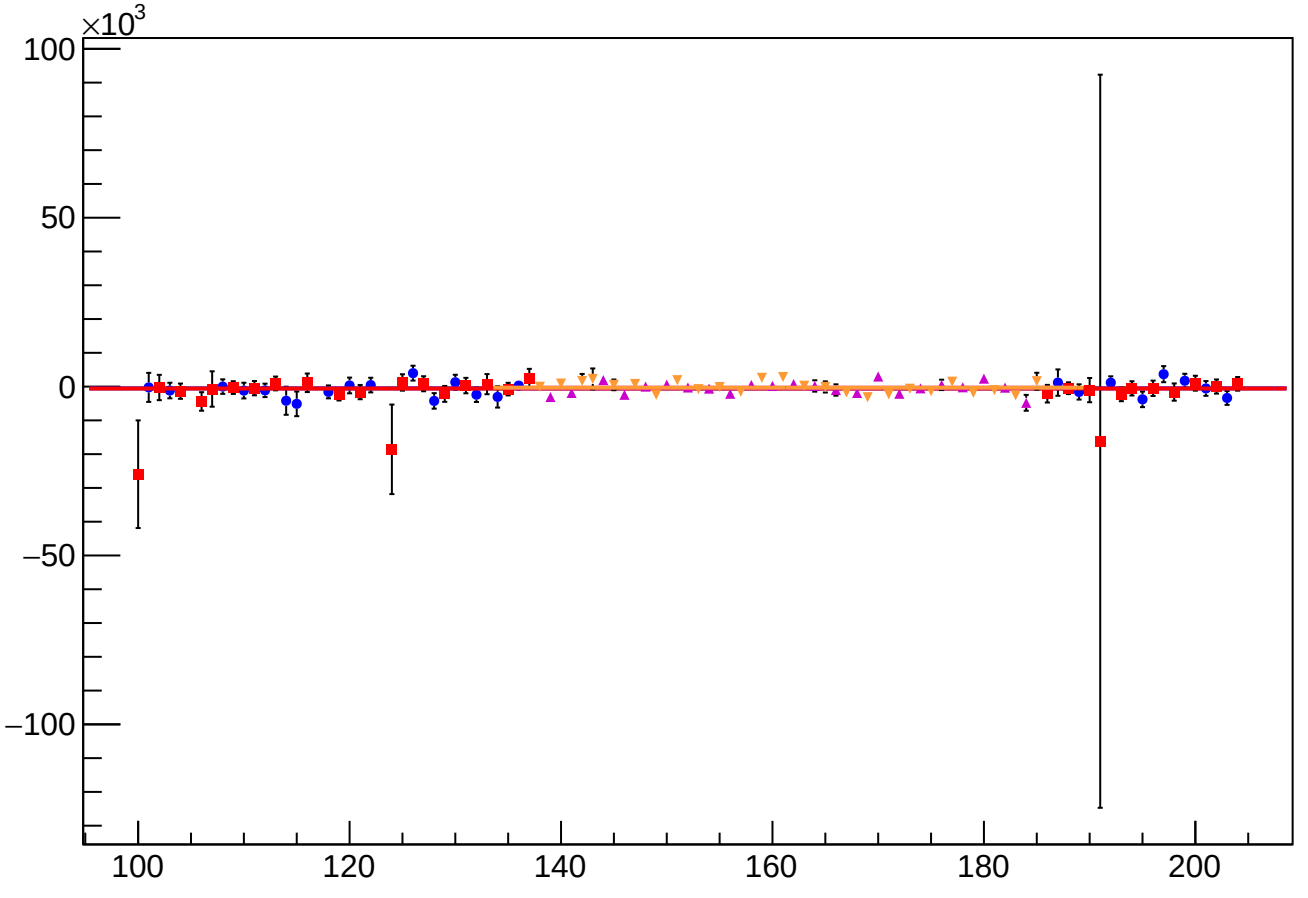
Left: 265.308+/-0.033 χ^2/NDF: 10496422.7/47

Right: 474.566+/-0.081 χ^2/NDF: 22406922.0/53

In: 304.122+/-0.045 χ^2/NDF:16515709.5/46

Out: 287.834+/-0.042 χ^2/NDF:22048757.6/54

All: 295.462+/-0.031 χ^2/NDF: 38634569.8/10



Right In: -527.023+/-459.810 χ^2/NDF: 21.9/23

Left Out: -319.744+/-298.271 χ^2/NDF:31.6/24

Right Out: -567.706+/-440.175 χ^2/NDF: 13.7/29

Left In: -356.387+/-301.902 χ^2/NDF:29.7/22

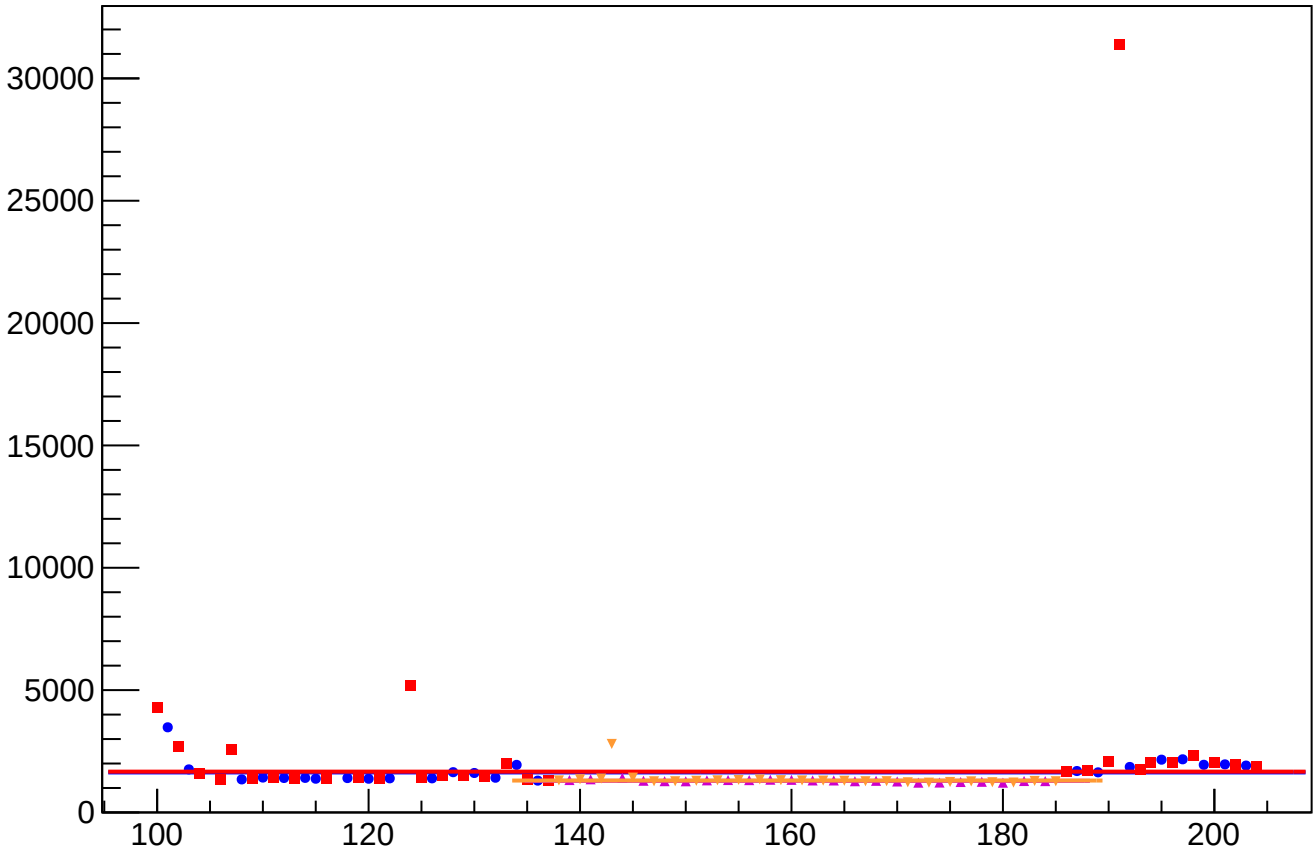
Left: -337.843+/-212.182 χ^2/NDF: 61.2/47

Right: -548.252+/-317.966 χ^2/NDF: 35.6/53

In: -407.789+/-252.367 χ^2/NDF:51.7/46

Out: -397.772+/-246.921 χ^2/NDF:45.4/54

All: -402.671+/-176.493 χ^2/NDF: 97.2/101



Right In: 1635.018+/-0.325 χ^2/NDF: 1086900.4/23

Left Out: 1304.156+/-0.211 χ^2/NDF:519609.1/24

Right Out: 1668.176+/-0.311 χ^2/NDF: 1370915.7/29

Left In: 1292.123+/-0.213 χ^2/NDF:48343.1/22

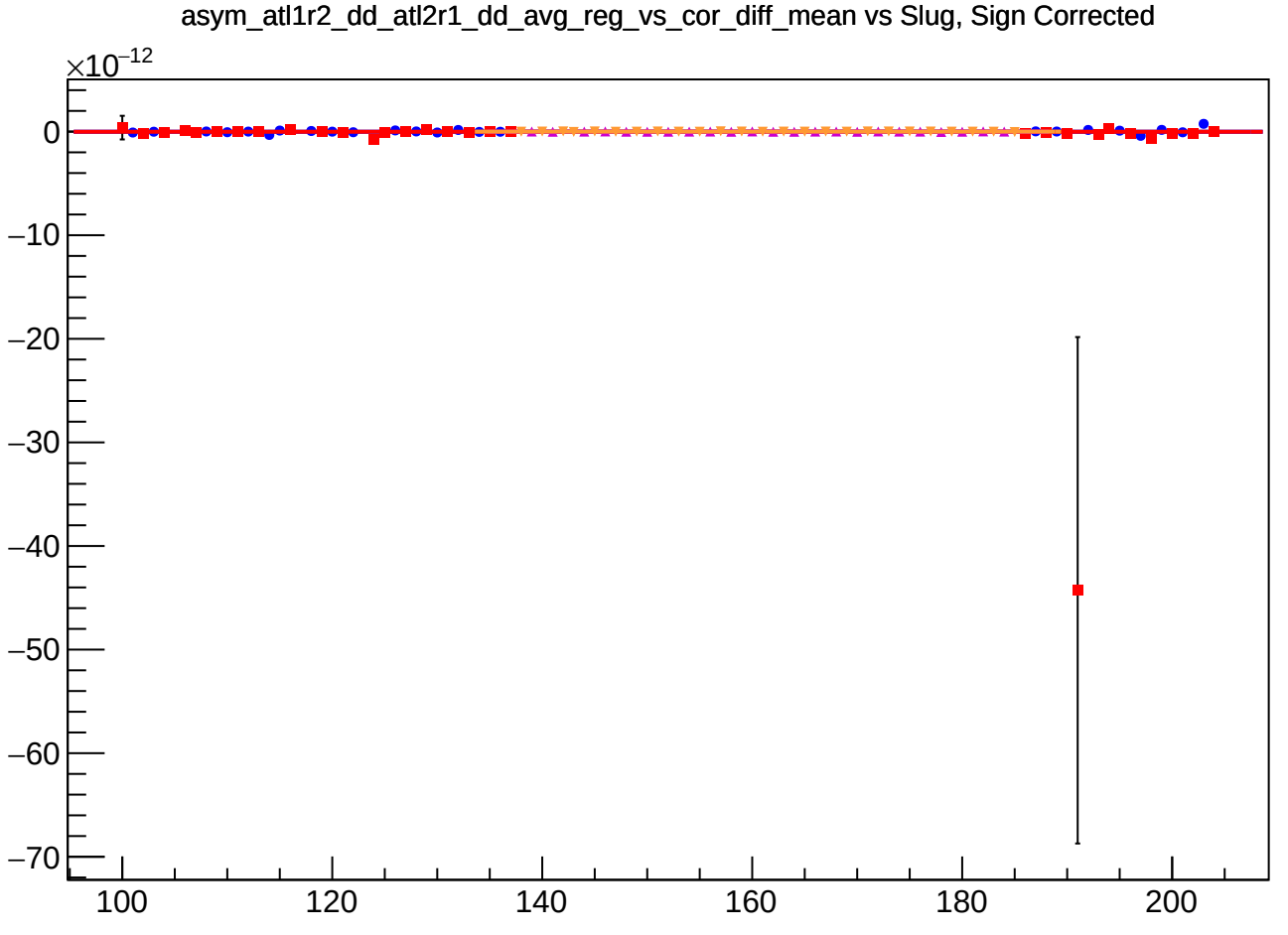
Left: 1298.212+/-0.150 χ^2/NDF: 569560.1/47

Right: 1652.320+/-0.225 χ^2/NDF: 2463242.9/53

In: 1395.416+/-0.178 χ^2/NDF:1912433.7/46

Out: 1418.705+/-0.175 χ^2/NDF:2827925.0/54

All: 1407.314+/-0.125 χ^2/NDF: 4749061.0/10



Right In: -0.000+/-0.000 χ^2/NDF: 28.1/23

Left Out: 0.000+/-0.000 χ^2/NDF:24.3/24

Right Out: -0.000+/-0.000 χ^2/NDF: 36.7/29

Left In: -0.000+/-0.000 χ^2/NDF:29.6/22

Left: -0.000+/-0.000 χ^2/NDF: 54.2/47

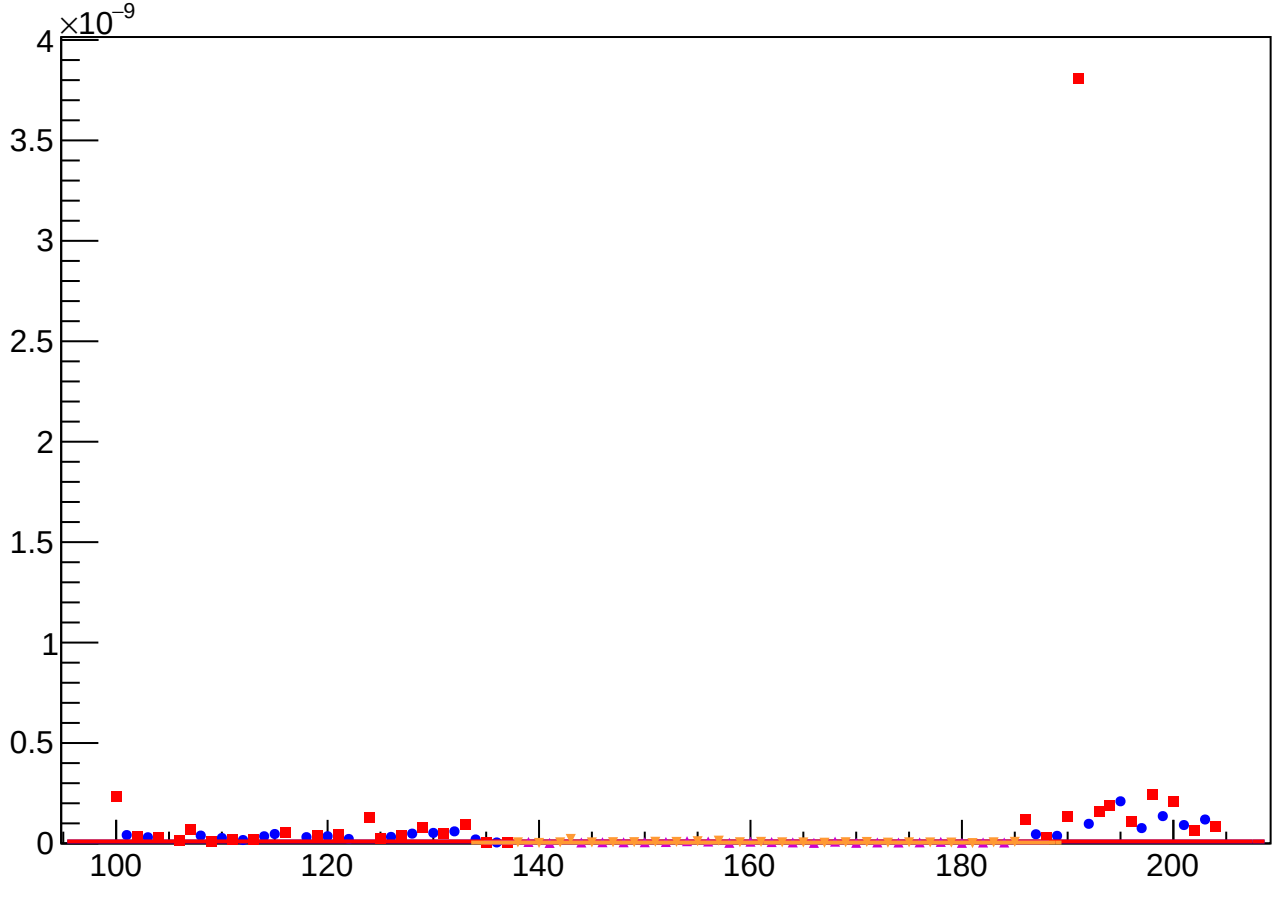
Right: -0.000+/-0.000 χ^2/NDF: 64.8/53

In: -0.000+/-0.000 χ^2/NDF:59.6/46

Out: -0.000+/-0.000 χ^2/NDF:64.0/54

All: -0.000+/-0.000 χ^2/NDF: 123.9/101

asym_atl1r2_dd_atl2r1_dd_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 6272089.5/23

Left Out: 0.000+/-0.000 χ^2/NDF:2715297.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8599509.4/29

Left In: 0.000+/-0.000 χ^2/NDF:1884808.0/22

Left: 0.000+/-0.000 χ^2/NDF: 4620695.3/47

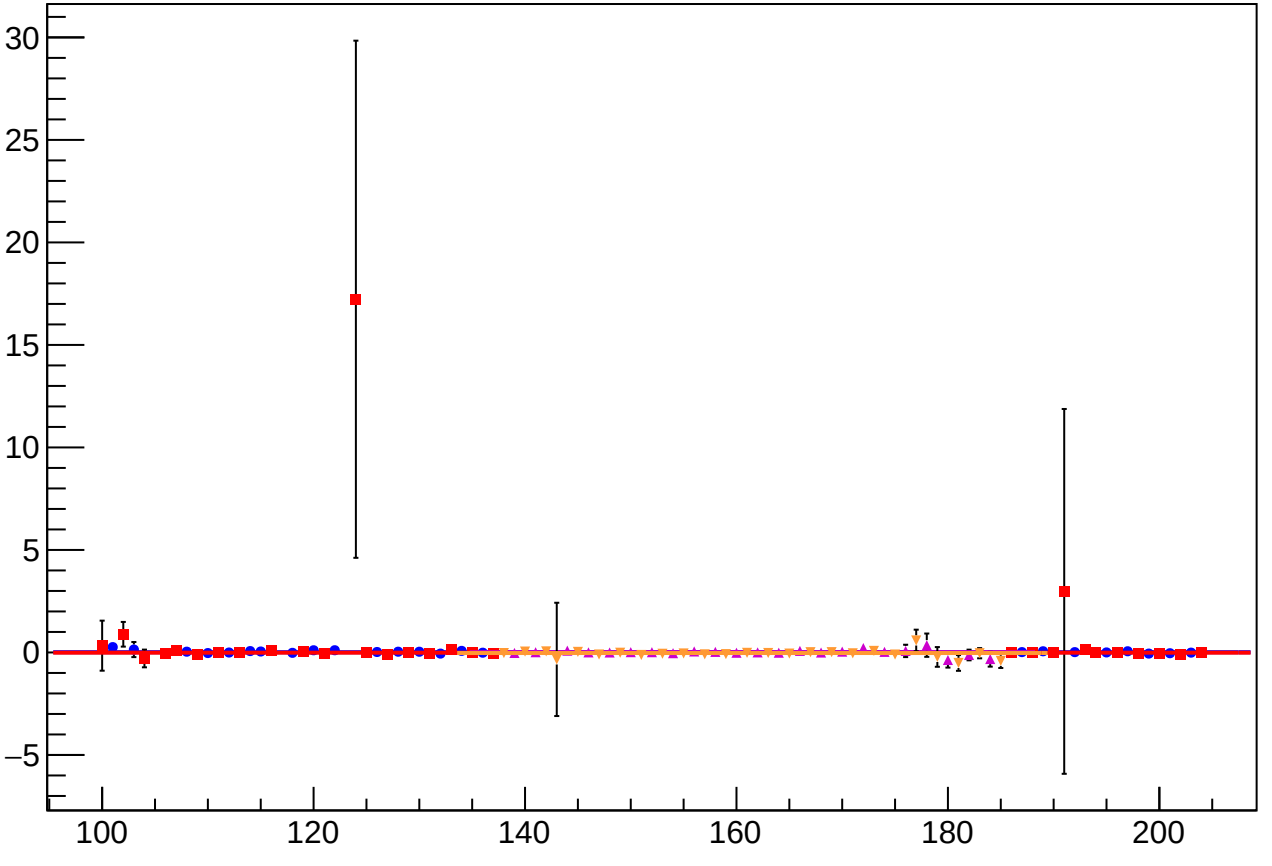
Right: 0.000+/-0.000 χ^2/NDF: 14881316.7/53

In: 0.000+/-0.000 χ^2/NDF:8872303.6/46

Out: 0.000+/-0.000 χ^2/NDF:12263921.7/54

All: 0.000+/-0.000 χ^2/NDF: 21161261.0/101

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.012+/-0.013 χ^2/NDF: 13.8/23

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: -0.011+/-0.012 χ^2/NDF: 22.4/29

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

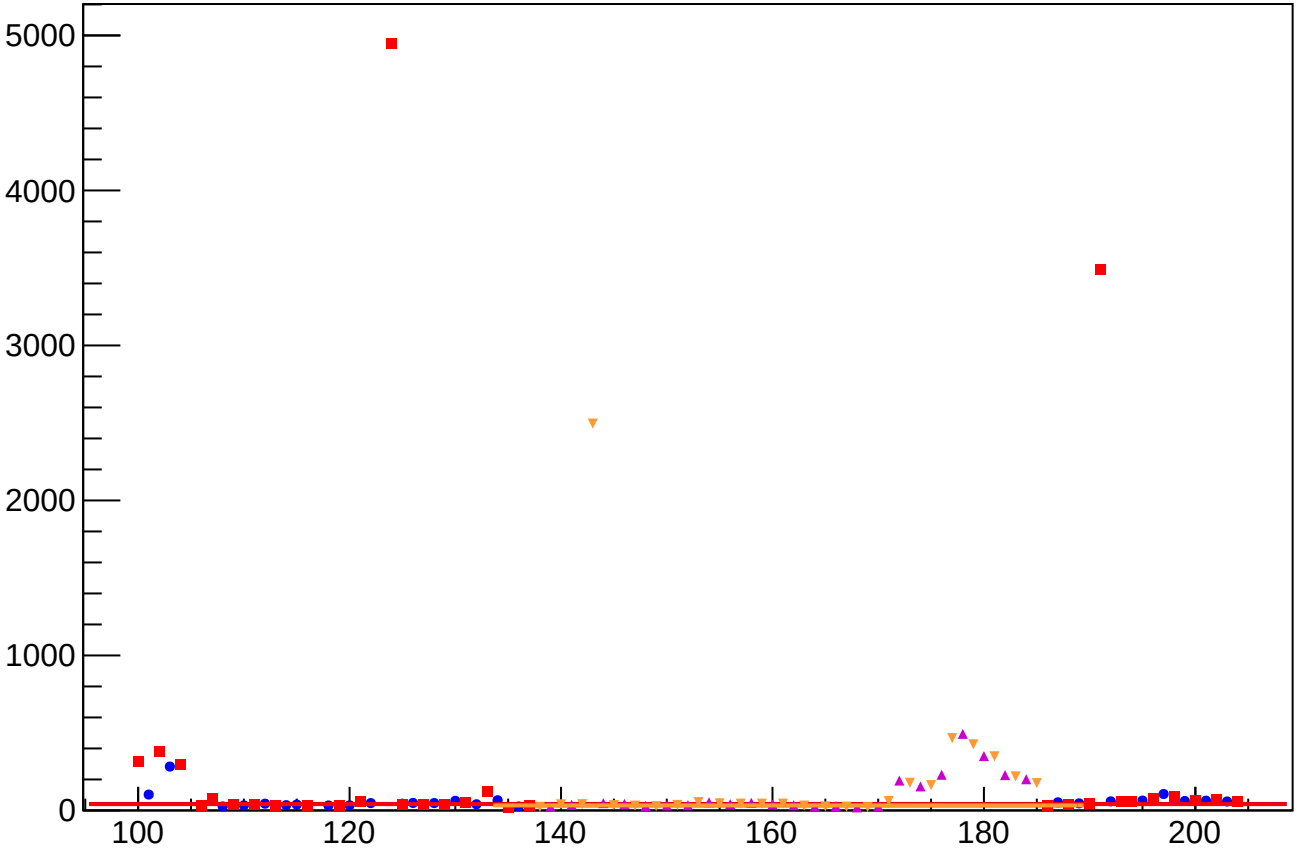
Right: -0.000+/-0.009 χ^2/NDF: 37.7/53

In: 0.011+/-0.008 χ^2/NDF:26.9/46

Out: -0.022+/-0.008 χ^2/NDF:51.7/54

All: -0.006+/-0.005 χ^2/NDF: 87.9/101

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.940+/-0.009 χ^2/NDF: 3949382.4/23

Left Out: 32.551+/-0.007 χ^2/NDF:10871758.1/24

Right Out: 40.897+/-0.009 χ^2/NDF: 5377640.1/29

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

Left: 32.645+/-0.005 χ^2/NDF: 19835386.0/47

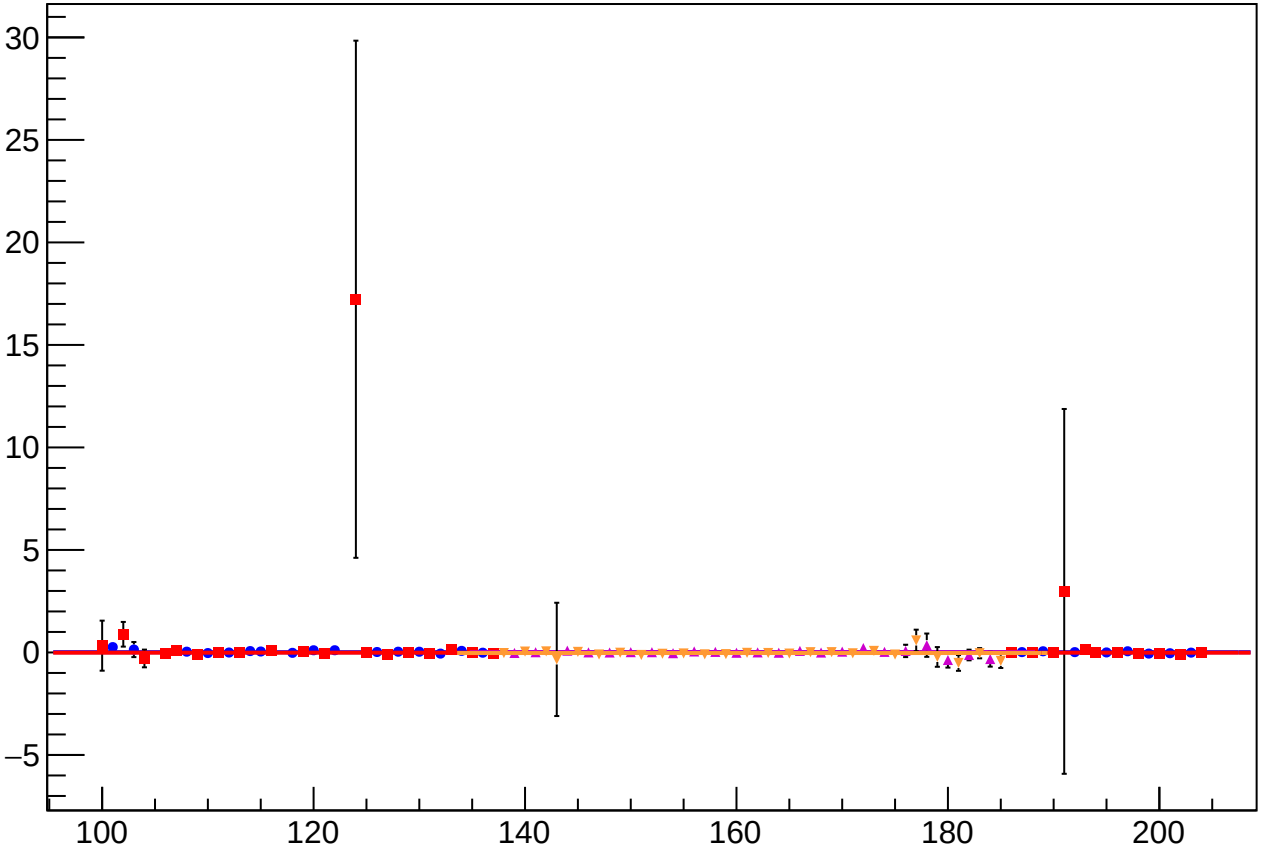
Right: 41.379+/-0.006 χ^2/NDF: 9333569.5/53

In: 35.826+/-0.005 χ^2/NDF:13542325.6/46

Out: 35.644+/-0.005 χ^2/NDF:16819595.4/54

All: 35.733+/-0.004 χ^2/NDF: 30362485.1/101

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.012+/-0.013 χ^2/NDF: 13.8/23

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: -0.011+/-0.012 χ^2/NDF: 22.4/29

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

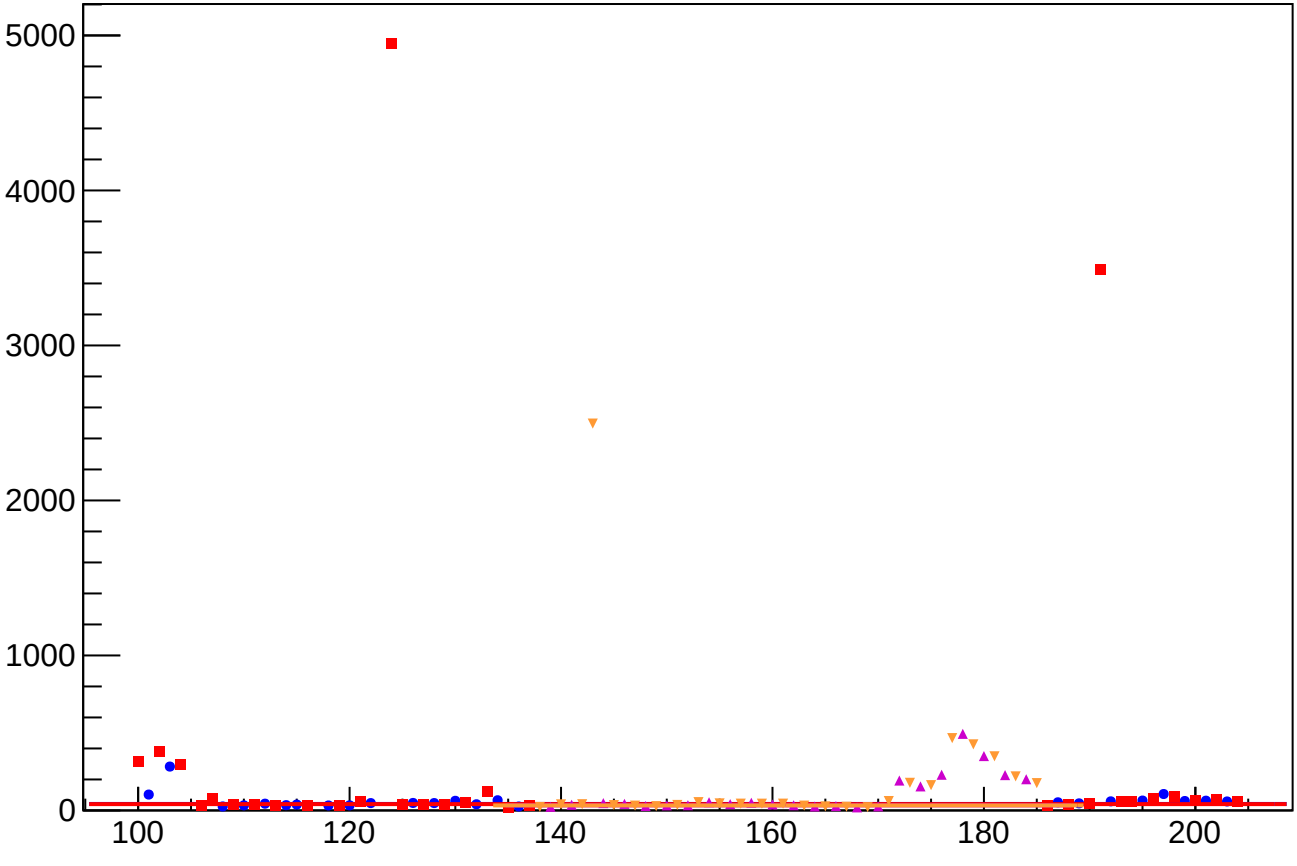
Right: -0.000+/-0.009 χ^2/NDF: 37.7/53

In: 0.011+/-0.008 χ^2/NDF:26.9/46

Out: -0.022+/-0.008 χ^2/NDF:51.7/54

All: -0.006+/-0.005 χ^2/NDF: 87.9/101

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.940+/-0.009 χ^2/NDF: 3949382.4/23

Left Out: 32.551+/-0.007 χ^2/NDF:10871758.1/24

Right Out: 40.897+/-0.009 χ^2/NDF: 5377640.1/29

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

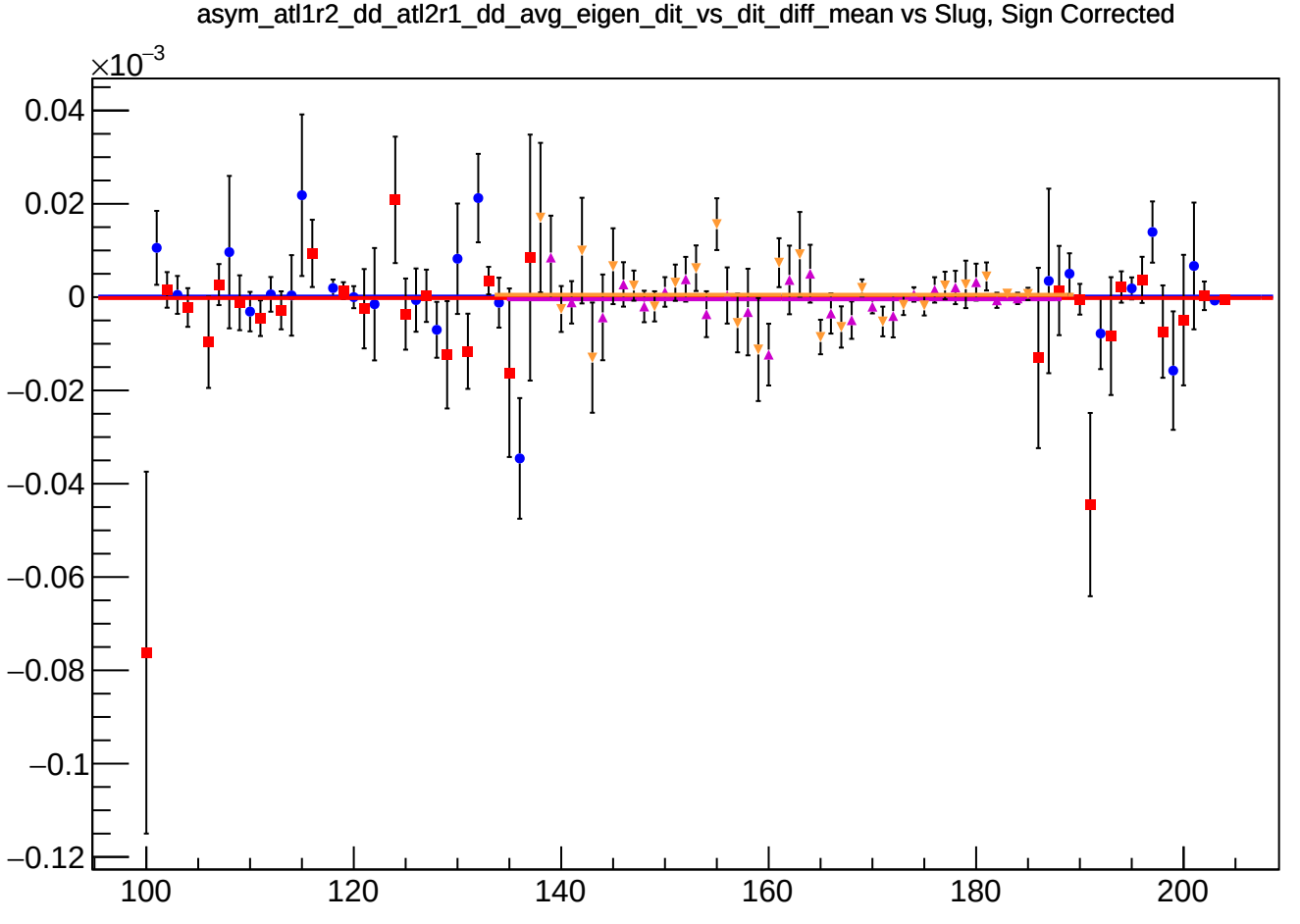
Left: 32.645+/-0.005 χ^2/NDF: 19835386.0/47

Right: 41.379+/-0.006 χ^2/NDF: 9333569.5/53

In: 35.826+/-0.005 χ^2/NDF:13542325.6/46

Out: 35.644+/-0.005 χ^2/NDF:16819595.4/54

All: 35.733+/-0.004 χ^2/NDF: 30362485.1/101



Right In: 0.000+/-0.000 χ^2/NDF: 29.5/23

Left Out: 0.000+/-0.000 χ^2/NDF:35.7/24

Right Out: -0.000+/-0.000 χ^2/NDF: 26.1/29

Left In: -0.000+/-0.000 χ^2/NDF:13.7/22

Left: 0.000+/-0.000 χ^2/NDF: 50.9/47

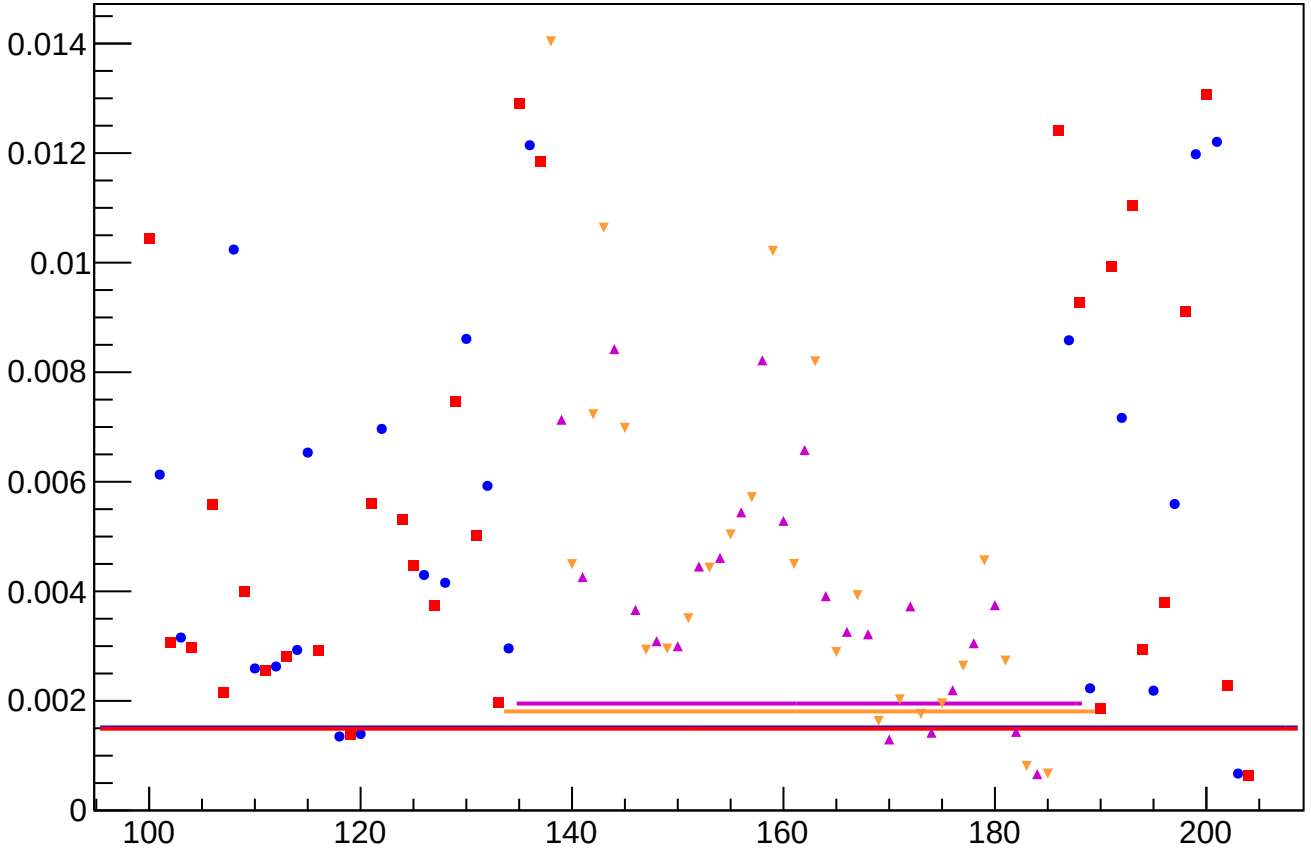
Right: -0.000+/-0.000 χ^2/NDF: 55.8/53

In: -0.000+/-0.000 χ^2/NDF:43.7/46

Out: 0.000+/-0.000 χ^2/NDF:62.6/54

All: 0.000+/-0.000 χ^2/NDF: 106.7/101

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 12850645.6/23

Left Out: 0.002+/-0.000 χ^2/NDF:14941257.4/24

Right Out: 0.001+/-0.000 χ^2/NDF: 14939490.4/29

Left In: 0.002+/-0.000 χ^2/NDF:11478607.0/22

Left: 0.002+/-0.000 χ^2/NDF: 26484379.9/47

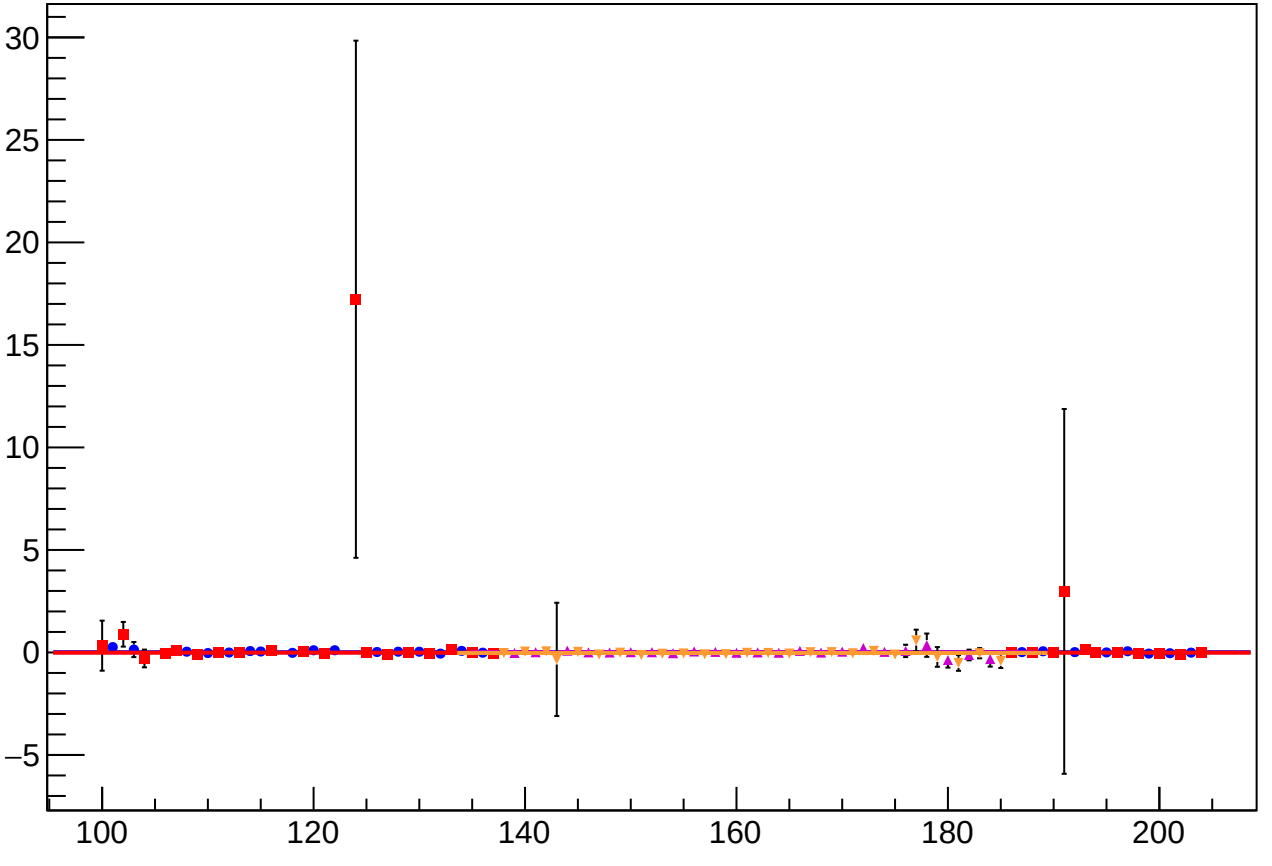
Right: 0.002+/-0.000 χ^2/NDF: 27791480.9/53

In: 0.002+/-0.000 χ^2/NDF:24842814.1/46

Out: 0.002+/-0.000 χ^2/NDF:30198961.8/54

All: 0.002+/-0.000 χ^2/NDF: 55091506.1/101

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.012+/-0.013 χ^2/NDF: 13.8/23

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: -0.011+/-0.012 χ^2/NDF: 22.4/29

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

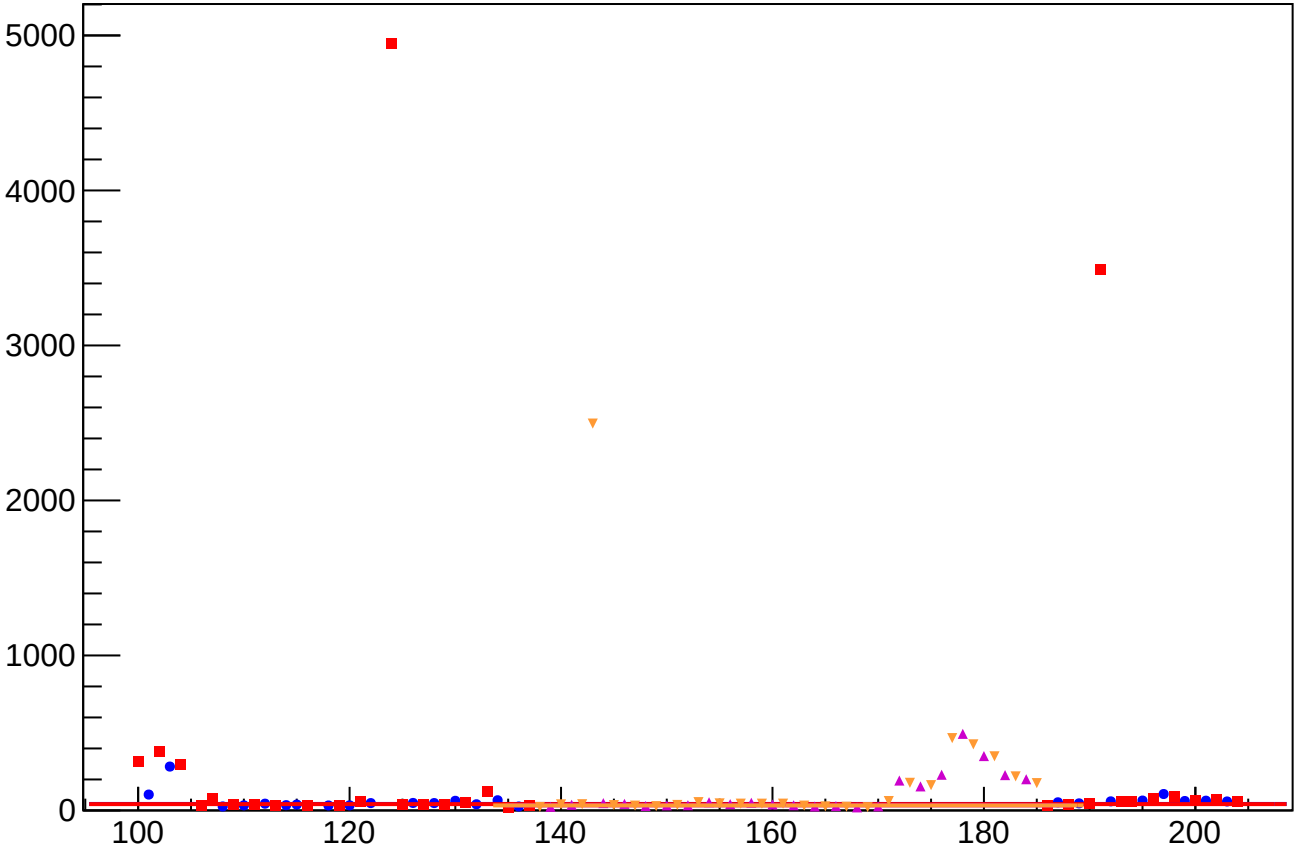
Right: -0.000+/-0.009 χ^2/NDF: 37.7/53

In: 0.011+/-0.008 χ^2/NDF:26.9/46

Out: -0.022+/-0.008 χ^2/NDF:51.7/54

All: -0.006+/-0.005 χ^2/NDF: 87.9/101

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.941+/-0.009 χ^2/NDF: 3948908.3/23

Left Out: 32.551+/-0.007 χ^2/NDF:10872015.8/24

Right Out: 40.897+/-0.009 χ^2/NDF: 5377410.1/29

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

Left: 32.644+/-0.005 χ^2/NDF: 19836272.3/47

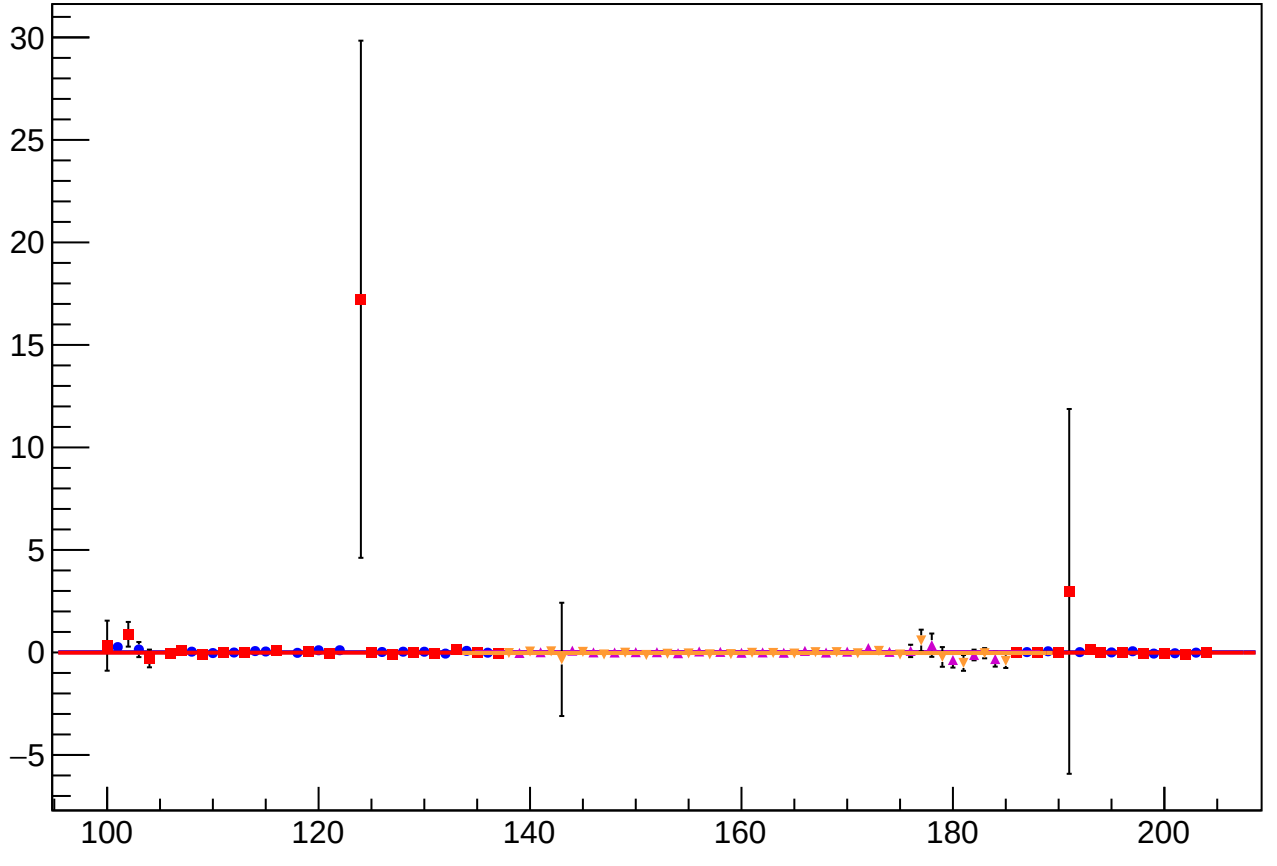
Right: 41.380+/-0.006 χ^2/NDF: 9332879.6/53

In: 35.826+/-0.005 χ^2/NDF:13542845.3/46

Out: 35.644+/-0.005 χ^2/NDF:16819683.6/54

All: 35.733+/-0.004 χ^2/NDF: 30363089.6/101

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.012+/-0.013 χ^2/NDF: 13.8/23

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: -0.011+/-0.012 χ^2/NDF: 22.4/29

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

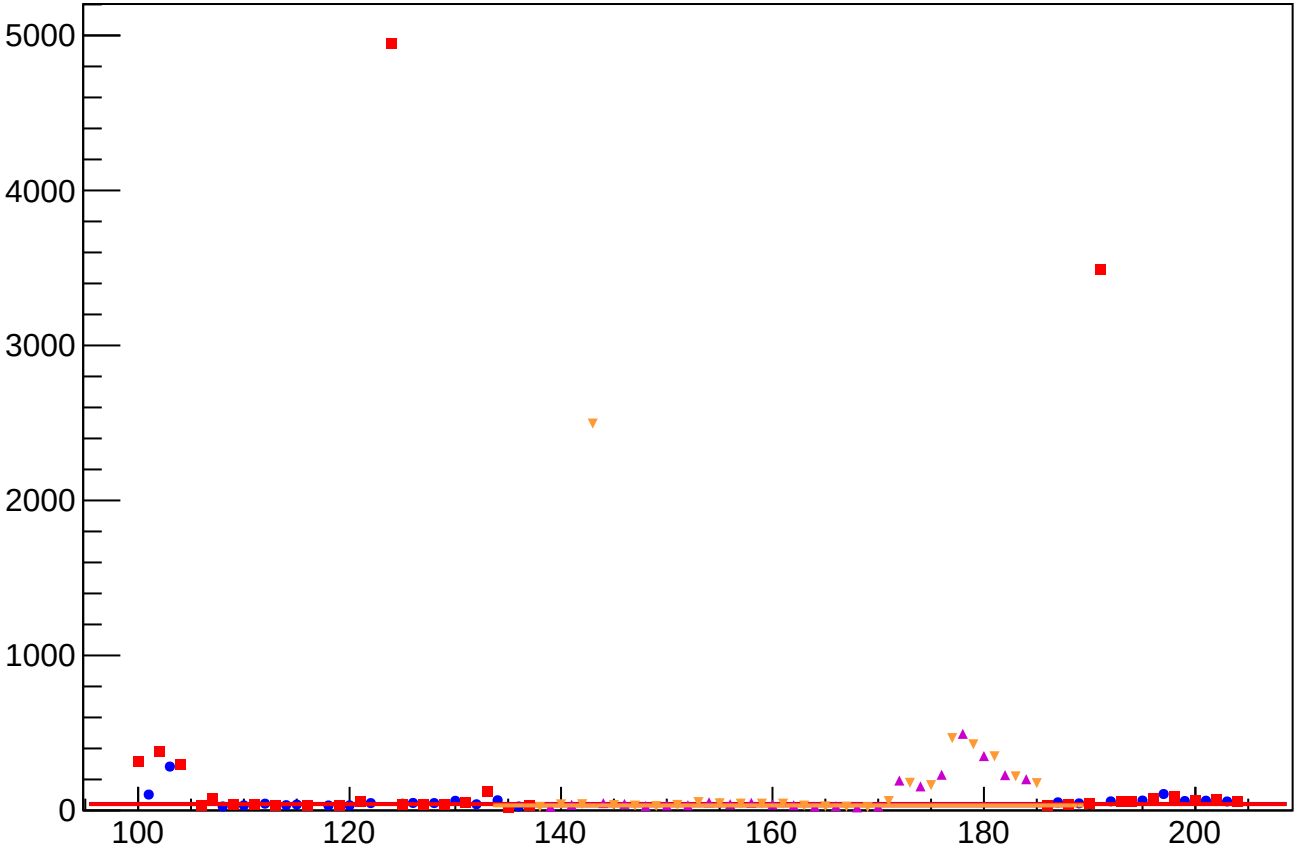
Right: -0.000+/-0.009 χ^2/NDF: 37.7/53

In: 0.011+/-0.008 χ^2/NDF:26.9/46

Out: -0.022+/-0.008 χ^2/NDF:51.7/54

All: -0.006+/-0.005 χ^2/NDF: 87.9/101

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.941+/-0.009 χ^2/NDF: 3948908.3/23

Left Out: 32.551+/-0.007 χ^2/NDF:10872015.8/24

Right Out: 40.897+/-0.009 χ^2/NDF: 5377410.1/29

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

Left: 32.644+/-0.005 χ^2/NDF: 19836272.3/47

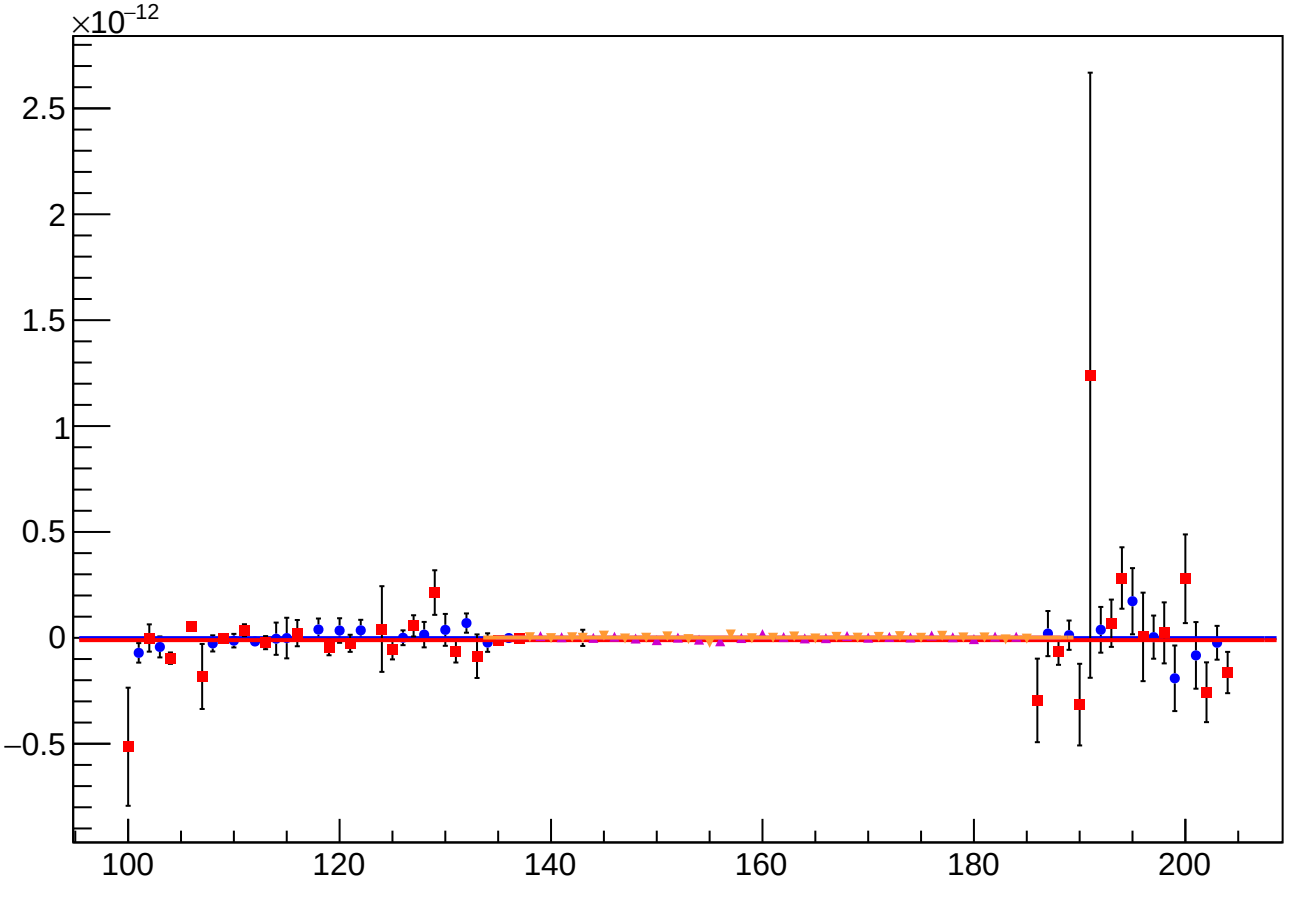
Right: 41.380+/-0.006 χ^2/NDF: 9332879.6/53

In: 35.826+/-0.005 χ^2/NDF:13542845.3/46

Out: 35.644+/-0.005 χ^2/NDF:16819683.6/54

All: 35.733+/-0.004 χ^2/NDF: 30363089.6/101

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 11.9/23

Left Out: 0.000+/-0.000 χ^2/NDF:18.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 57.9/29

Left In: 0.000+/-0.000 χ^2/NDF:28.7/22

Left: 0.000+/-0.000 χ^2/NDF: 46.8/47

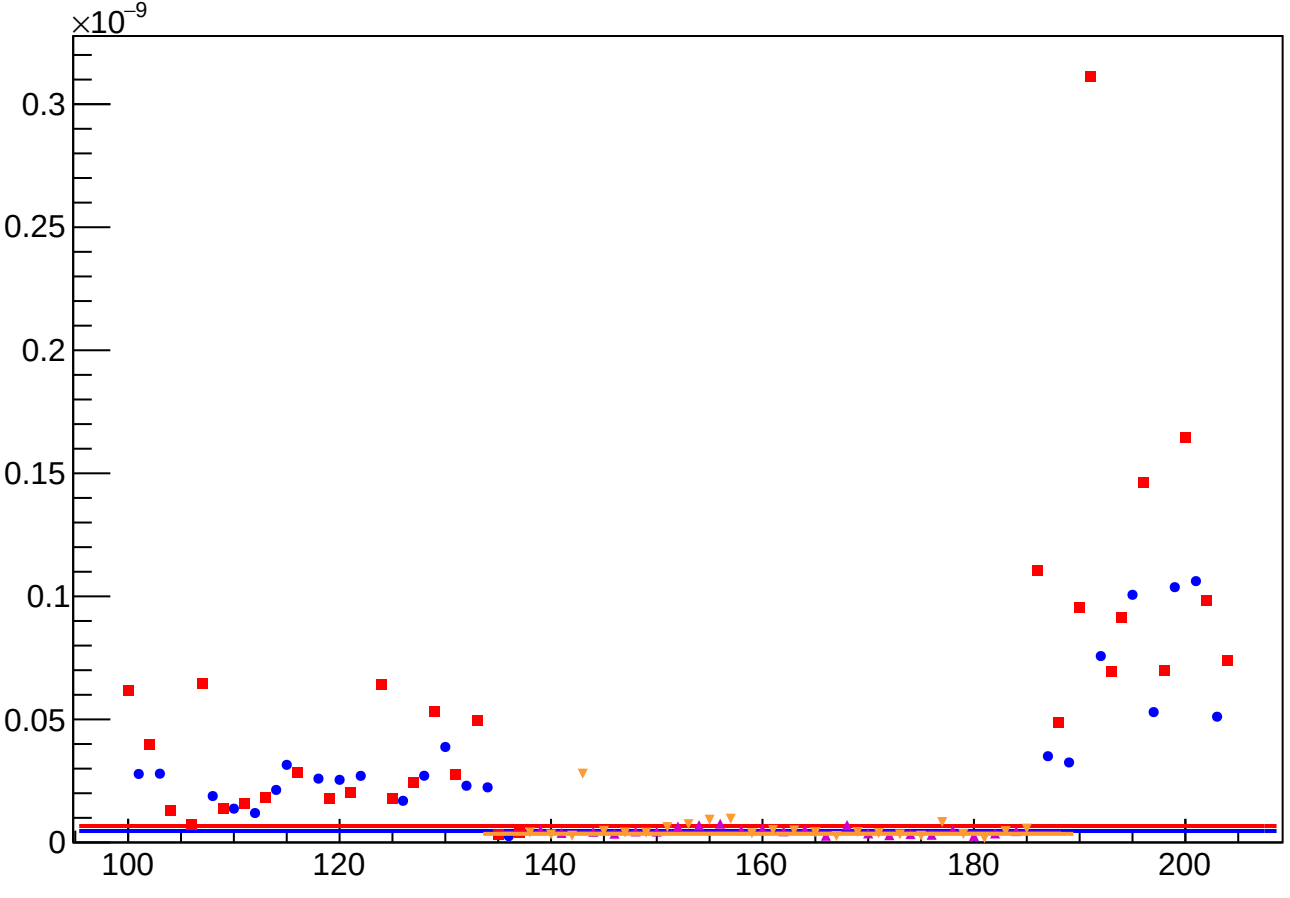
Right: -0.000+/-0.000 χ^2/NDF: 73.0/53

In: 0.000+/-0.000 χ^2/NDF:41.1/46

Out: 0.000+/-0.000 χ^2/NDF:84.2/54

All: 0.000+/-0.000 χ^2/NDF: 125.3/101

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: 10002564.1/23

Left Out: 0.000+/-0.000 χ^2/NDF:4688121.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 12374937.9/29

Left In: 0.000+/-0.000 χ^2/NDF:2073078.0/22

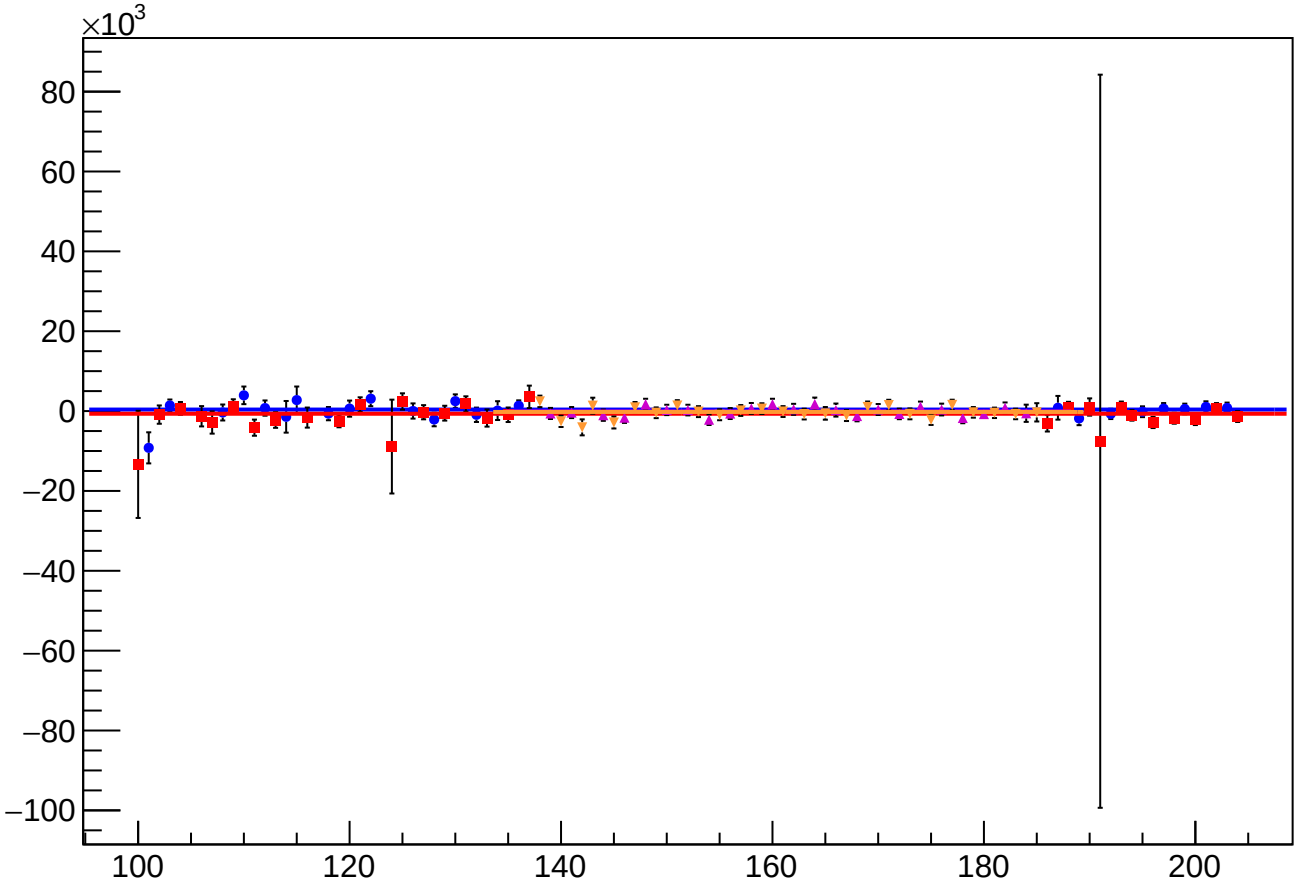
Left: 0.000+/-0.000 χ^2/NDF: 6948707.3/47

Right: 0.000+/-0.000 χ^2/NDF: 22663731.5/53

In: 0.000+/-0.000 χ^2/NDF:12148089.7/46

Out: 0.000+/-0.000 χ^2/NDF:18174531.0/54

All: 0.000+/-0.000 χ^2/NDF: 30435688.1/101



Right In: 380.864+/-352.308 χ^2/NDF: 20.2/23

Left Out: -220.721+/-283.055 χ^2/NDF:23.9/24

Right Out: -671.748+/-331.777 χ^2/NDF: 27.3/29

Left In: -92.402+/-288.217 χ^2/NDF:14.7/22

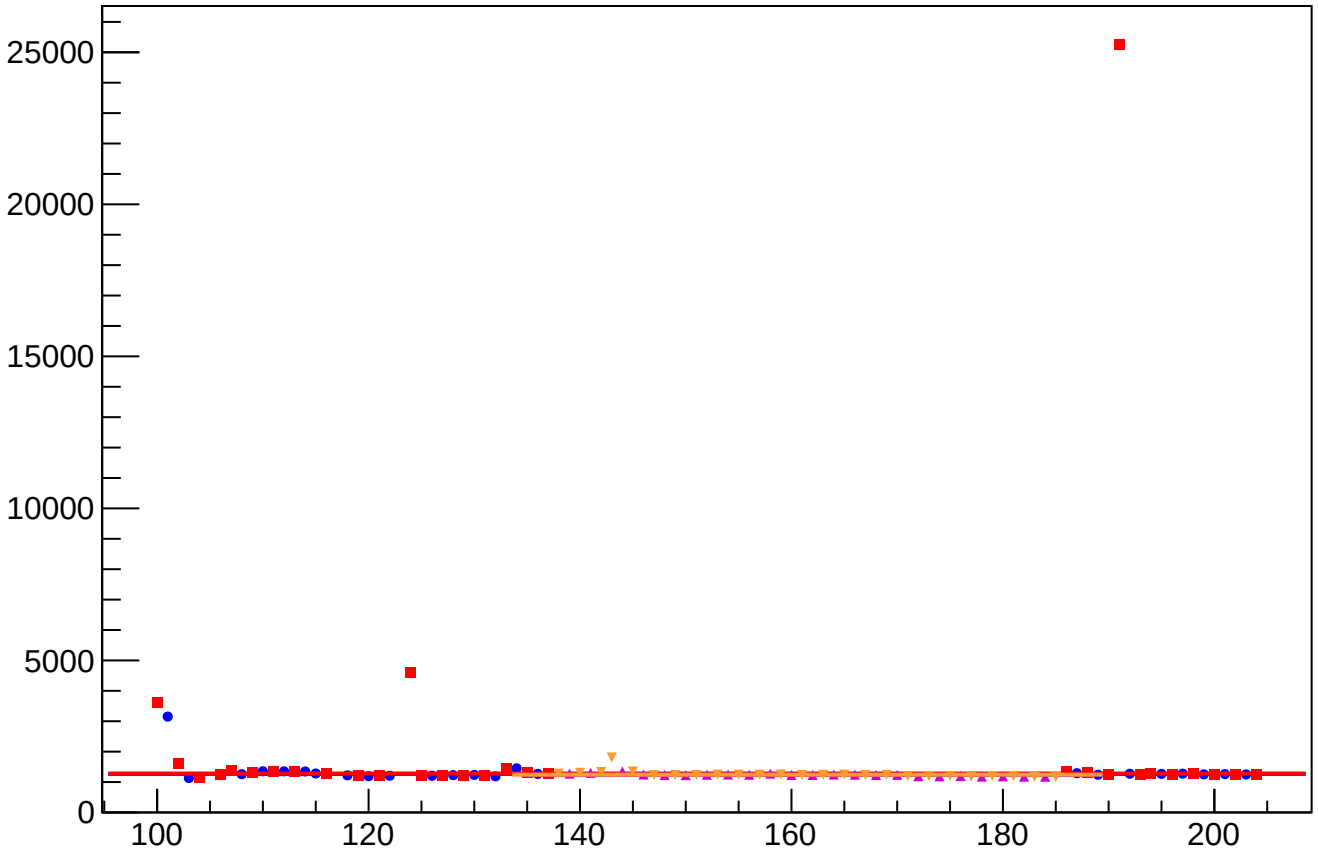
Left: -157.721+/-201.950 χ^2/NDF: 38.7/47

Right: -177.004+/-241.534 χ^2/NDF: 52.3/53

In: 97.346+/-223.078 χ^2/NDF:36.0/46

Out: -410.716+/-215.336 χ^2/NDF:52.3/54

All: -165.655+/-154.930 χ^2/NDF: 91.0/101



Right In: 1267.948+/-0.249 χ^2/NDF: 520874.4/23

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

Right Out: 1277.696+/-0.235 χ^2/NDF: 470699.2/29

Left In: 1233.752+/-0.204 χ^2/NDF:39281.8/22

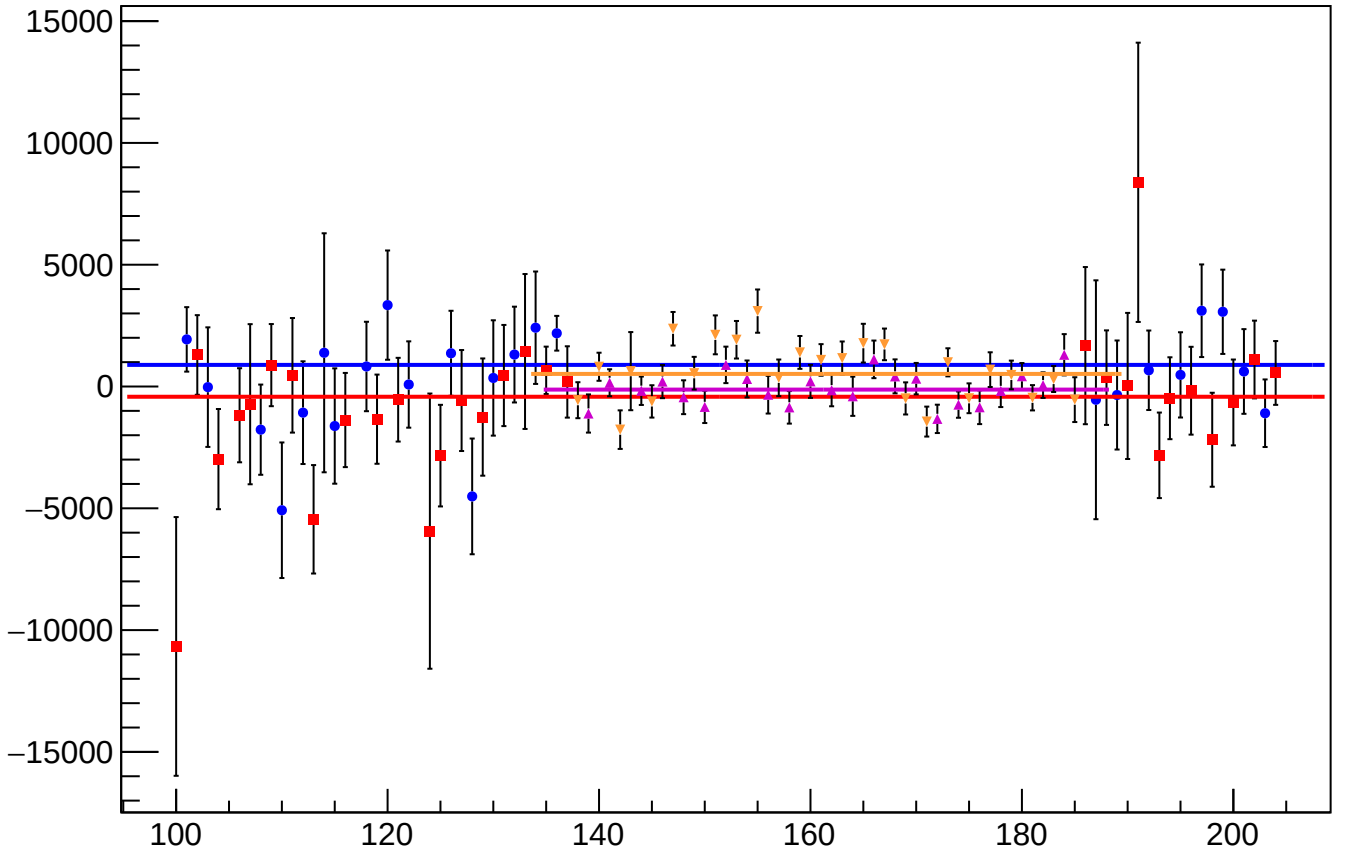
Left: 1238.371+/-0.143 χ^2/NDF: 243589.7/47

Right: 1273.114+/-0.171 χ^2/NDF: 992385.0/53

In: 1247.462+/-0.158 χ^2/NDF:571443.8/46

Out: 1257.514+/-0.152 χ^2/NDF:686785.0/54

All: 1252.666+/-0.110 χ^2/NDF: 1260330.9/10



Right In: 887.253+/-355.340 χ^2/NDF: 25.4/23

Left Out: 516.792+/-135.746 χ^2/NDF:67.0/24

Right Out: -420.300+/-348.719 χ^2/NDF: 24.4/29

Left In: -126.569+/-137.266 χ^2/NDF:21.6/22

Left: 198.694+/-96.520 χ^2/NDF: 99.7/47

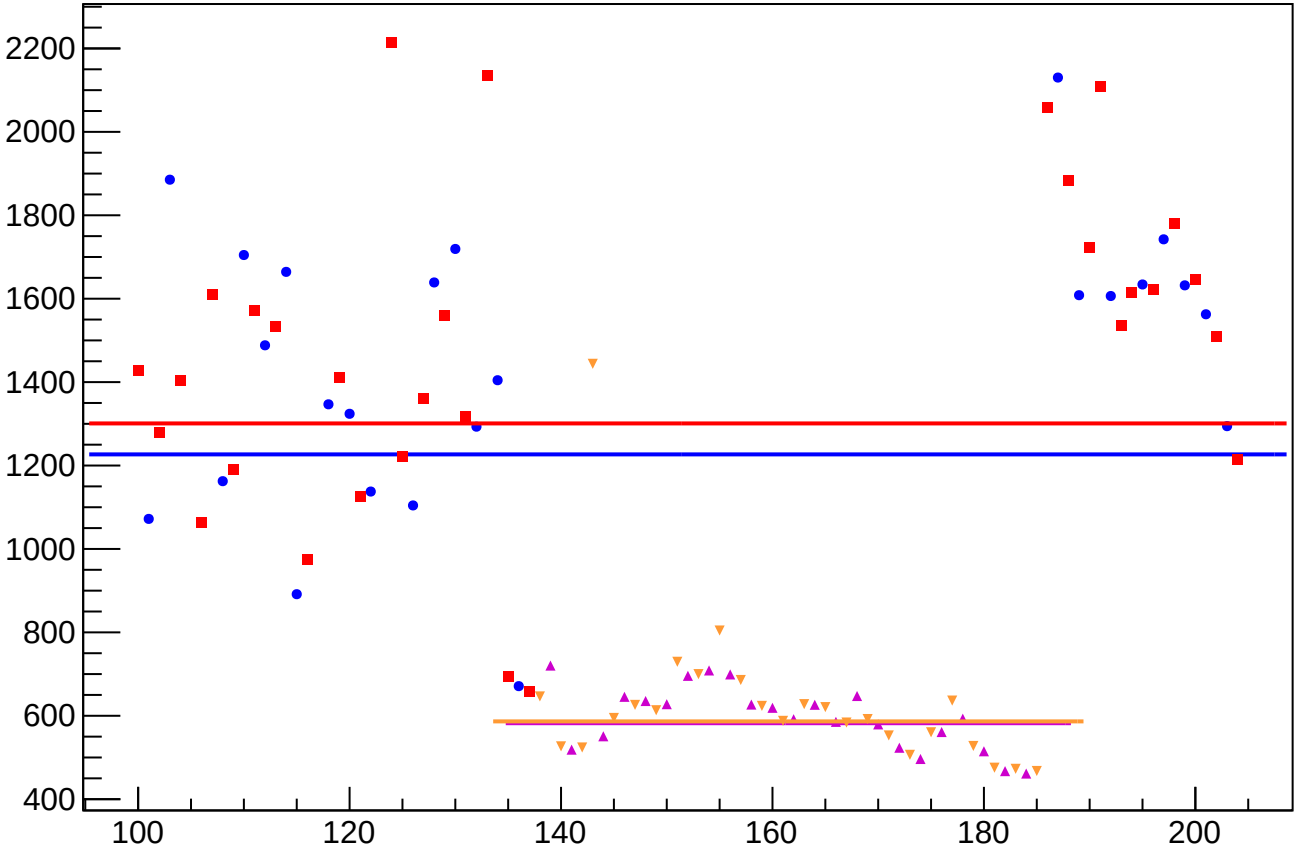
Right: 221.182+/-248.890 χ^2/NDF: 56.7/53

In: 5.073+/-128.045 χ^2/NDF:54.0/46

Out: 393.479+/-126.500 χ^2/NDF:97.7/54

All: 201.634+/-89.990 χ^2/NDF: 156.4/101

asym_at1_dd_at2_dd_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 1226.721+/-0.251 χ^2/NDF: 2401715.0/23

Left Out: 586.557+/-0.096 χ^2/NDF:1202915.7/24

Right Out: 1300.966+/-0.247 χ^2/NDF: 2359618.3/29

Left In: 582.190+/-0.097 χ^2/NDF:559261.3/22

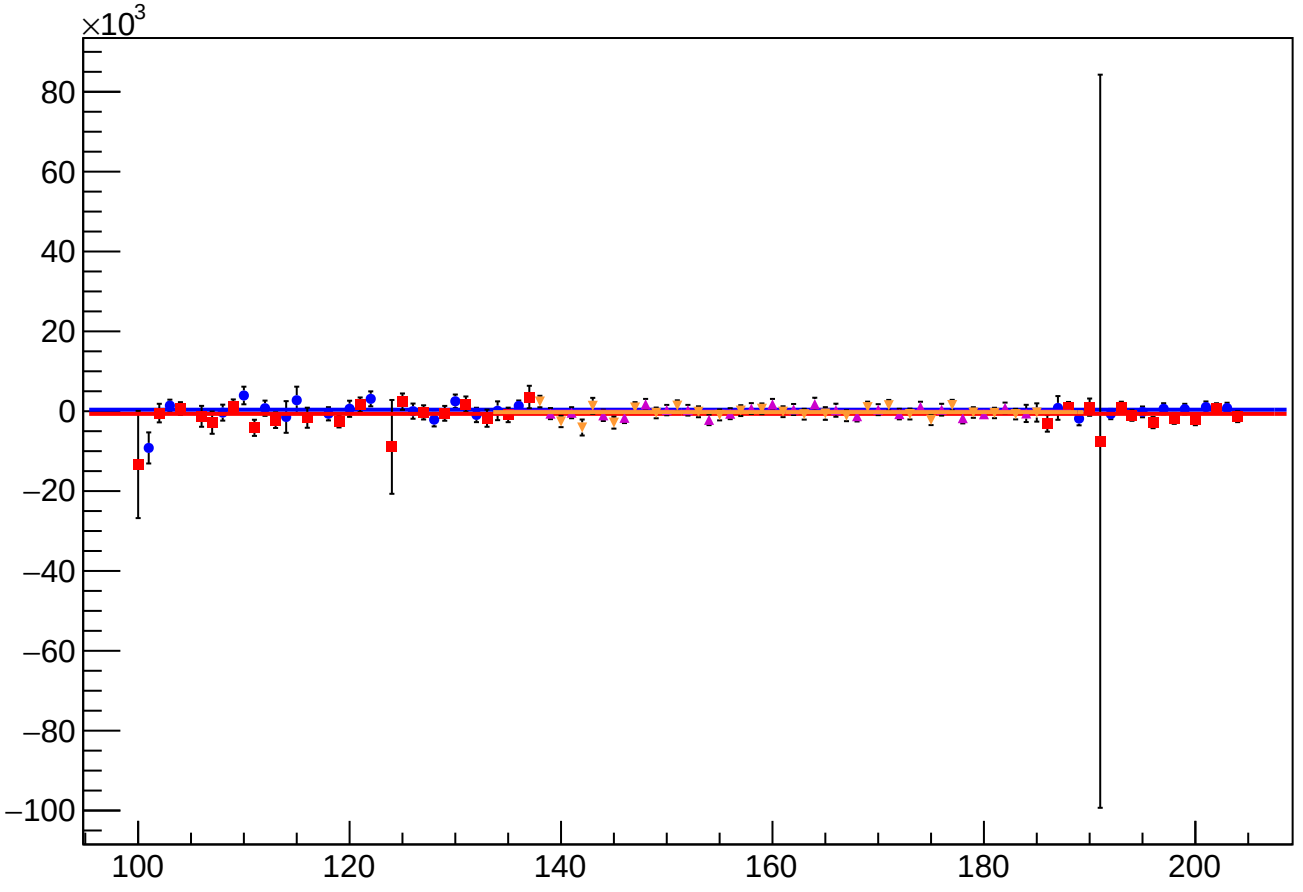
Left: 584.398+/-0.068 χ^2/NDF: 1763200.3/47

Right: 1264.541+/-0.176 χ^2/NDF: 4805811.0/53

In: 665.881+/-0.091 χ^2/NDF:8686607.4/46

Out: 680.567+/-0.089 χ^2/NDF:10851997.7/54

All: 673.313+/-0.064 χ^2/NDF: 19551919.7/10



Right In: 381.082+/-352.308 χ^2/NDF: 20.2/23

Left Out: -220.755+/-283.055 χ^2/NDF:23.9/24

Right Out: -662.242+/-332.046 χ^2/NDF: 27.3/29

Left In: -92.472+/-288.217 χ^2/NDF:14.7/22

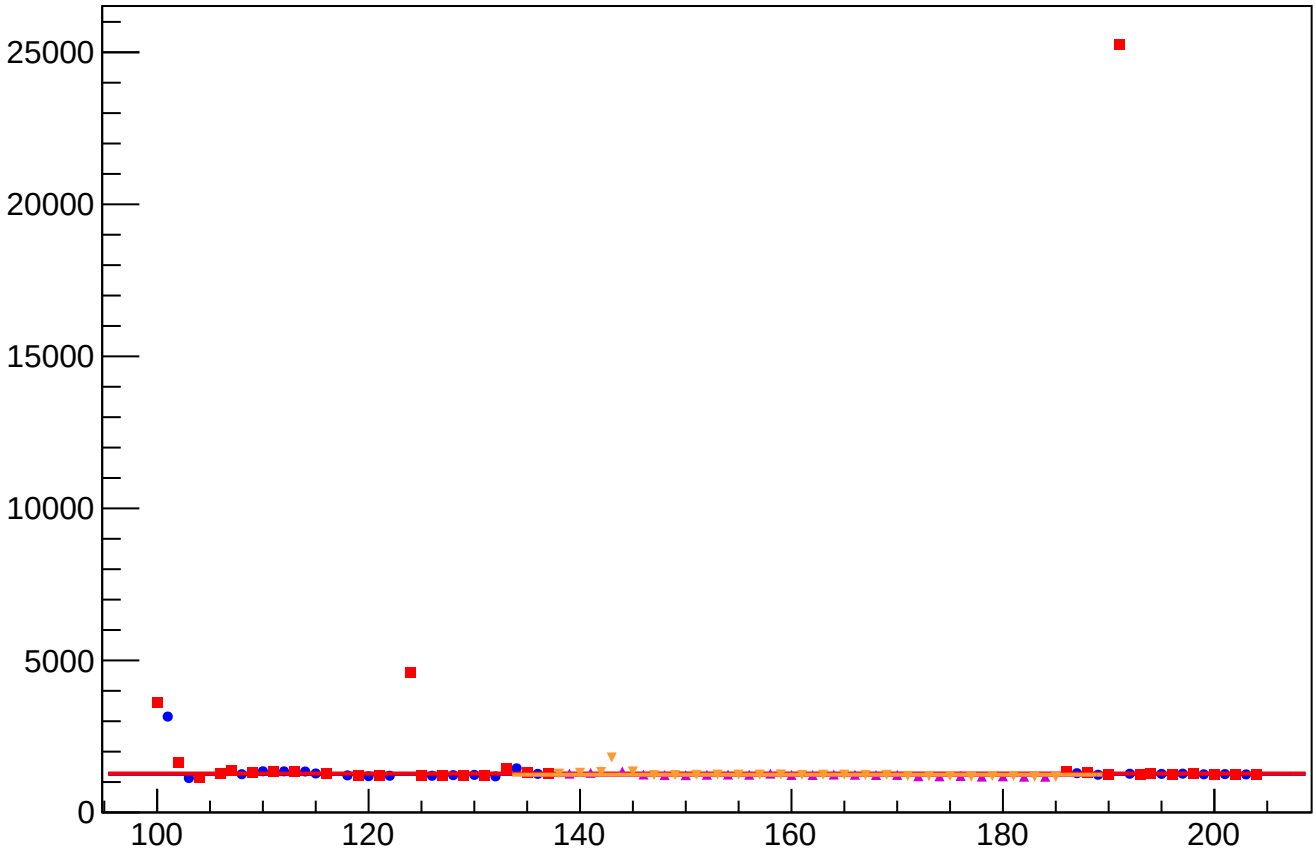
Left: -157.773+/-201.950 χ^2/NDF: 38.7/47

Right: -171.443+/-241.638 χ^2/NDF: 52.2/53

In: 97.391+/-223.078 χ^2/NDF:36.0/46

Out: -406.557+/-215.409 χ^2/NDF:52.3/54

All: -163.394+/-154.958 χ^2/NDF: 90.9/101



Right In: 1267.948+/-0.249 χ^2/NDF: 520875.8/23

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

Right Out: 1278.778+/-0.235 χ^2/NDF: 477563.4/29

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

Left: 1238.371+/-0.143 χ^2/NDF: 243589.6/47

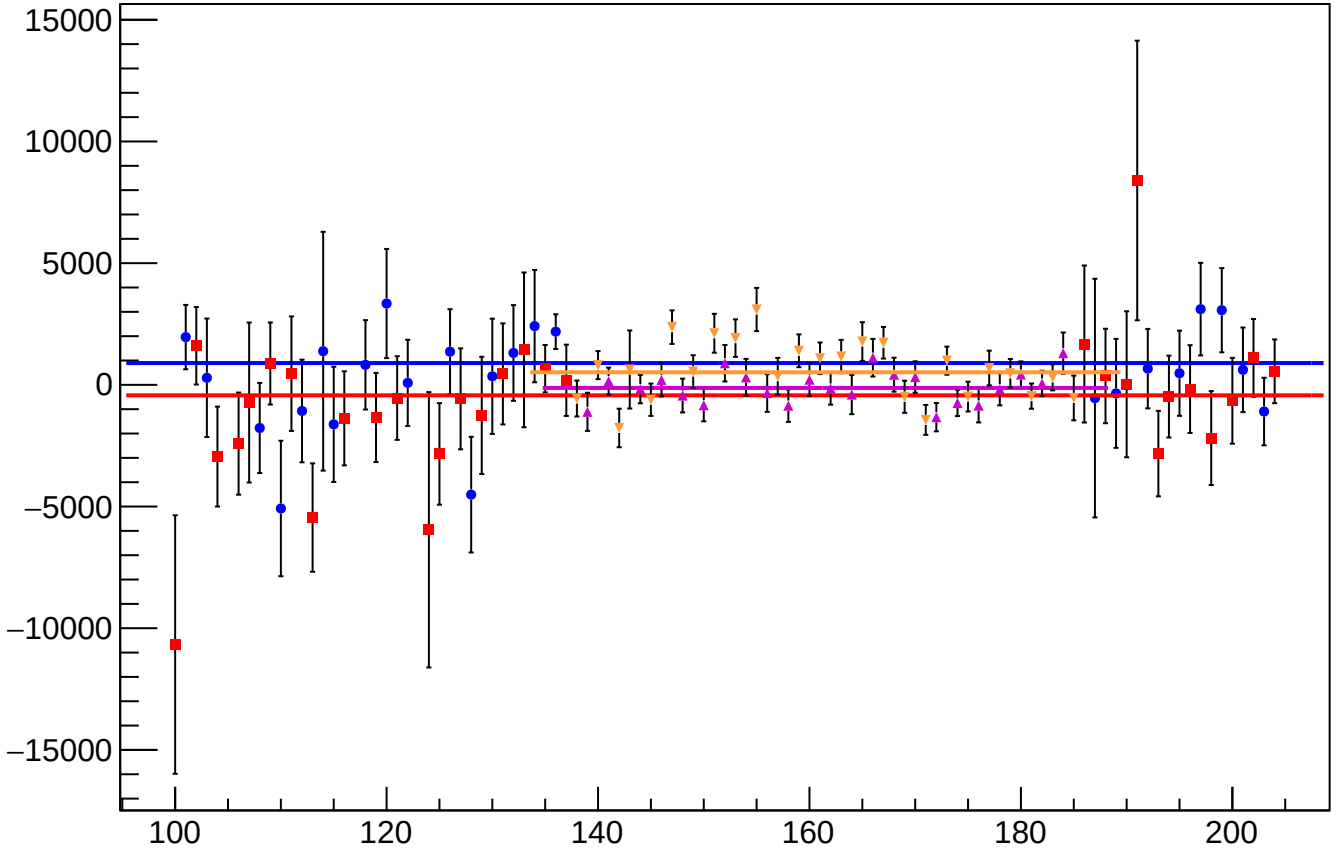
Right: 1273.683+/-0.171 χ^2/NDF: 999440.0/53

In: 1247.462+/-0.158 χ^2/NDF:571445.2/46

Out: 1257.956+/-0.152 χ^2/NDF:694442.2/54

All: 1252.893+/-0.110 χ^2/NDF: 1268177.4/10

asym_at1_dd_at2_dd_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: 895.941+/-355.238 χ^2/NDF: 25.4/23

Left Out: 516.811+/-135.747 χ^2/NDF:67.0/24

Right Out: -430.945+/-349.146 χ^2/NDF: 25.7/29

Left In: -126.549+/-137.266 χ^2/NDF:21.6/22

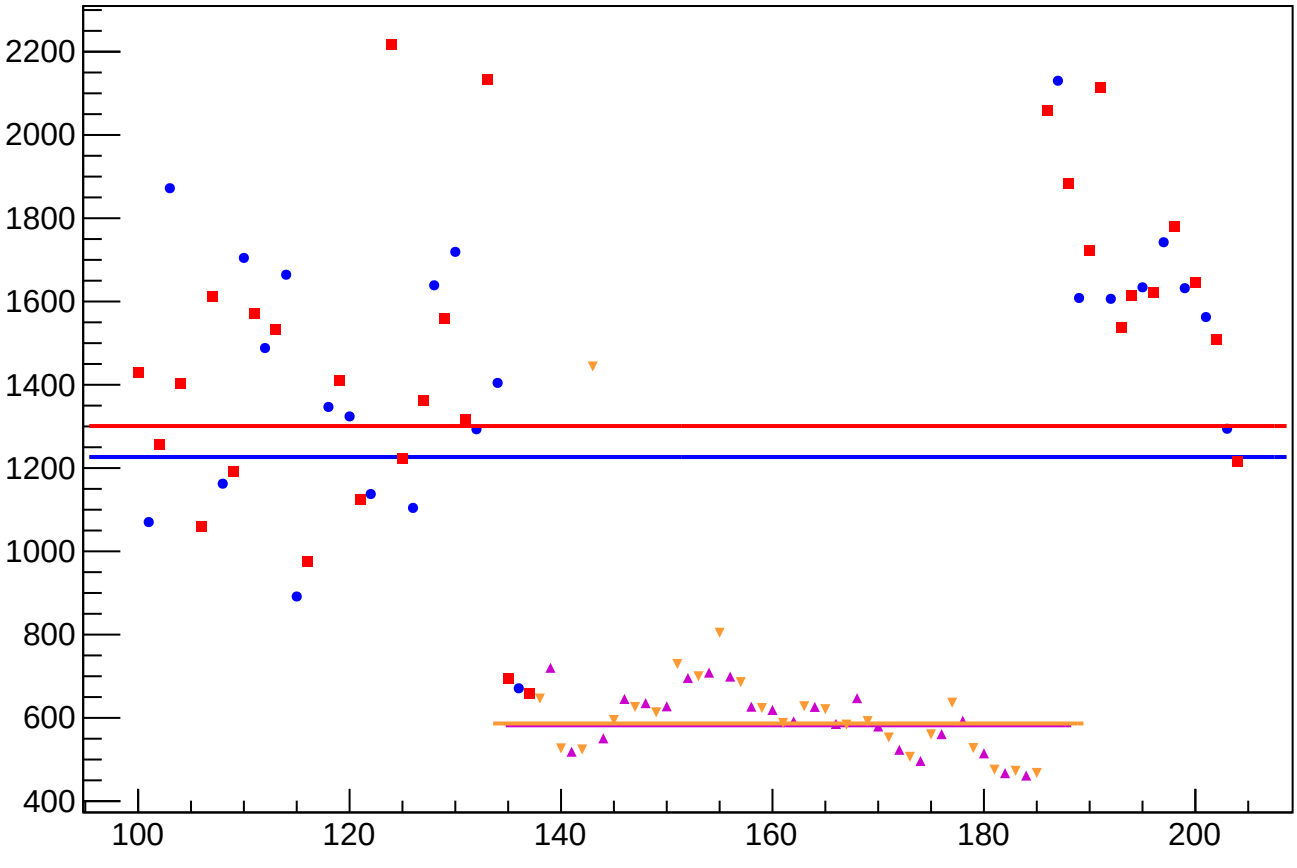
Left: 198.710+/-96.520 χ^2/NDF: 99.7/47

Right: 221.024+/-249.009 χ^2/NDF: 58.1/53

In: 6.285+/-128.039 χ^2/NDF:54.1/46

Out: 392.358+/-126.521 χ^2/NDF:99.1/54

All: 201.625+/-89.996 χ^2/NDF: 157.8/101



Right In: 1226.505+/-0.251 χ^2/NDF: 2399015.2/23

Left Out: 586.562+/-0.096 χ^2/NDF:1202822.0/24

Right Out: 1300.918+/-0.247 χ^2/NDF: 2357253.6/29

Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

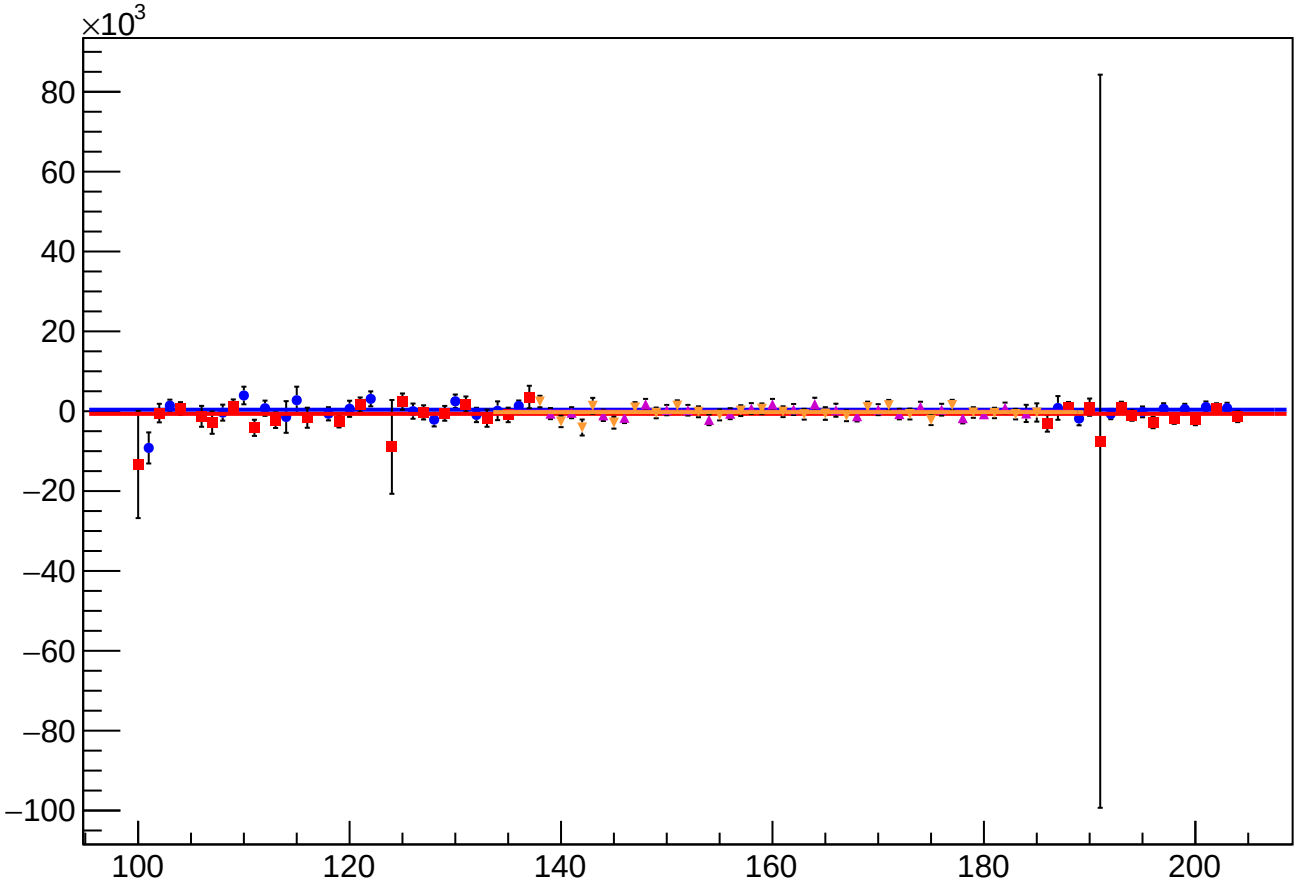
Left: 584.400+/-0.068 χ^2/NDF: 1763106.4/47

Right: 1264.355+/-0.176 χ^2/NDF: 4800906.9/53

In: 665.893+/-0.091 χ^2/NDF:8682981.0/46

Out: 680.366+/-0.089 χ^2/NDF:10832978.3/54

All: 673.216+/-0.064 χ^2/NDF: 19528889.2/10



Right In: 381.082+/-352.308 χ^2/NDF: 20.2/23

Left Out: -220.755+/-283.055 χ^2/NDF:23.9/24

Right Out: -662.242+/-332.046 χ^2/NDF: 27.3/29

Left In: -92.472+/-288.217 χ^2/NDF:14.7/22

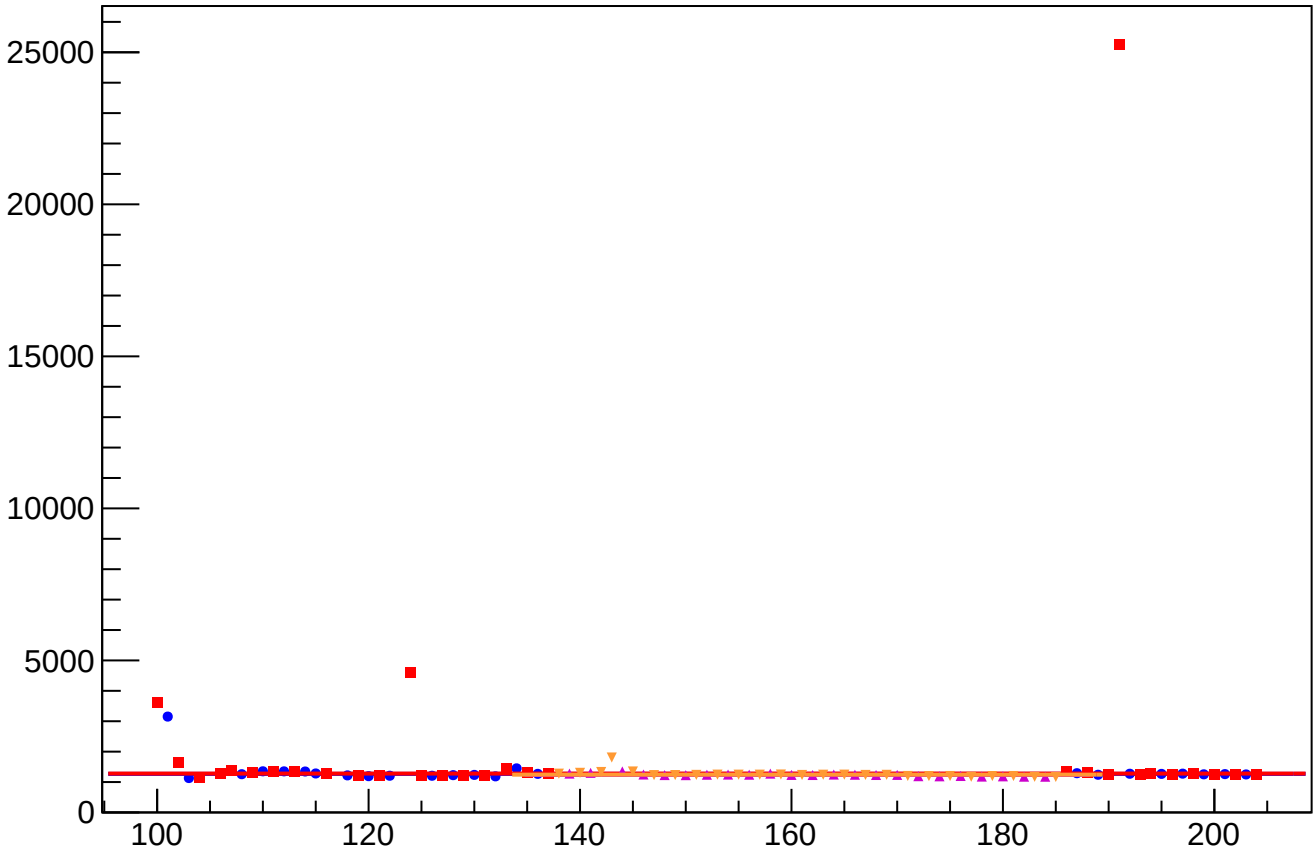
Left: -157.773+/-201.950 χ^2/NDF: 38.7/47

Right: -171.443+/-241.638 χ^2/NDF: 52.2/53

In: 97.391+/-223.078 χ^2/NDF:36.0/46

Out: -406.557+/-215.409 χ^2/NDF:52.3/54

All: -163.394+/-154.958 χ^2/NDF: 90.9/101



Right In: 1267.948+/-0.249 χ^2/NDF: 520875.8/23

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

Right Out: 1278.778+/-0.235 χ^2/NDF: 477563.4/29

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

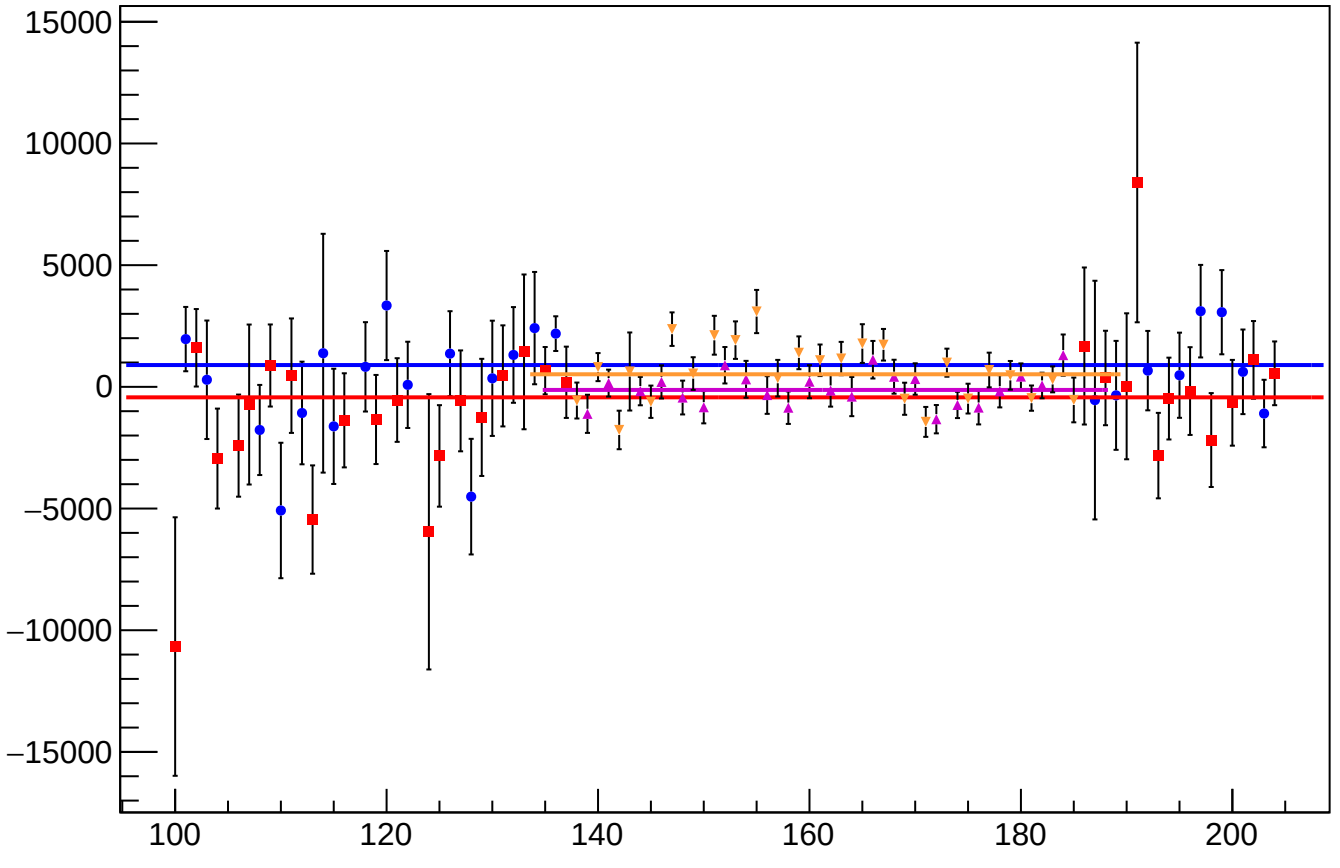
Left: 1238.371+/-0.143 χ^2/NDF: 243589.6/47

Right: 1273.683+/-0.171 χ^2/NDF: 999440.0/53

In: 1247.462+/-0.158 χ^2/NDF:571445.2/46

Out: 1257.956+/-0.152 χ^2/NDF:694442.2/54

All: 1252.893+/-0.110 χ^2/NDF: 1268177.4/10



Right In: 895.941+/-355.238 χ^2/NDF: 25.4/23

Left Out: 516.811+/-135.747 χ^2/NDF:67.0/24

Right Out: -430.945+/-349.146 χ^2/NDF: 25.7/29

Left In: -126.549+/-137.266 χ^2/NDF:21.6/22

Left: 198.710+/-96.520 χ^2/NDF: 99.7/47

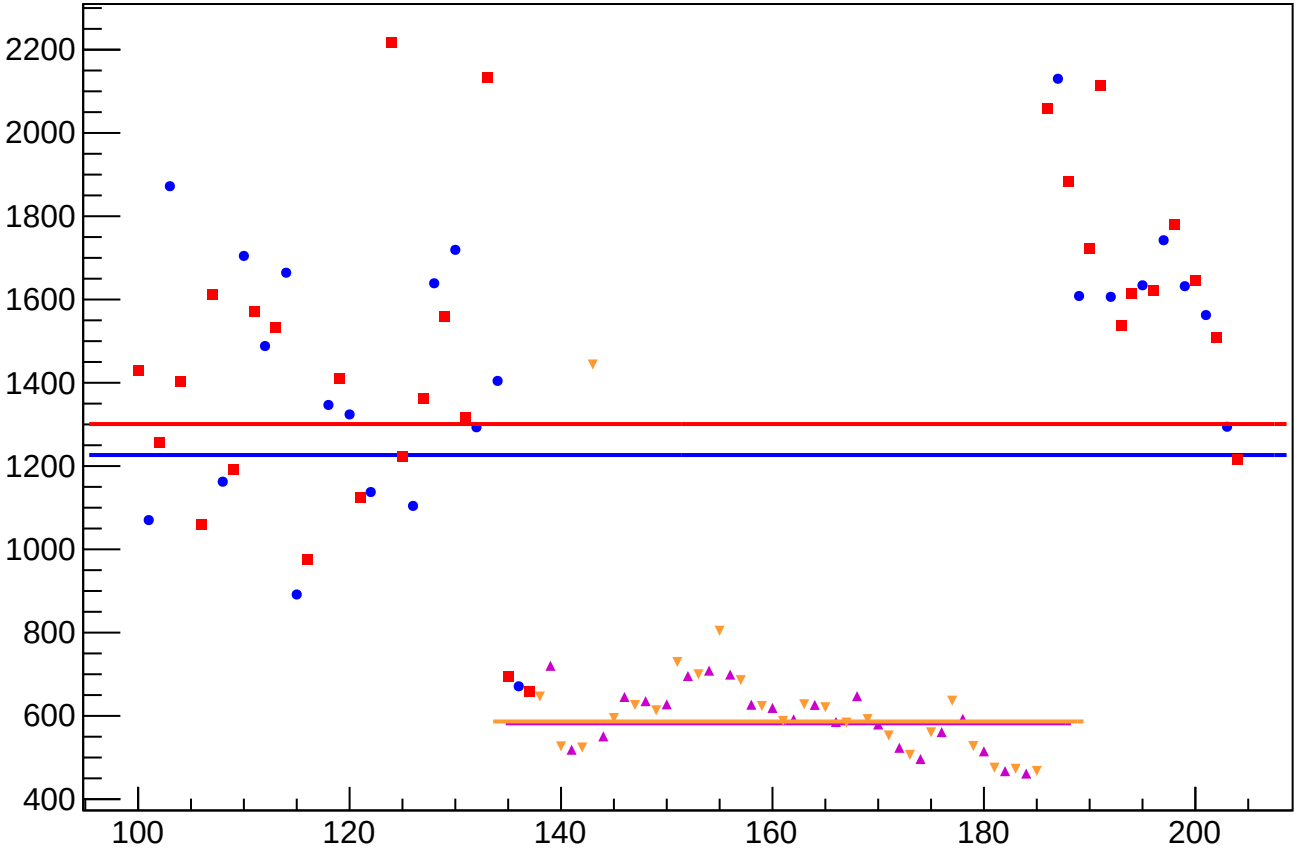
Right: 221.024+/-249.009 χ^2/NDF: 58.1/53

In: 6.285+/-128.039 χ^2/NDF:54.1/46

Out: 392.358+/-126.521 χ^2/NDF:99.1/54

All: 201.625+/-89.996 χ^2/NDF: 157.8/101

asym_at1_dd_at2_dd_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1226.505+/-0.251 χ^2/NDF: 2399015.2/23

Left Out: 586.562+/-0.096 χ^2/NDF:1202822.0/24

Right Out: 1300.918+/-0.247 χ^2/NDF: 2357253.6/29

Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

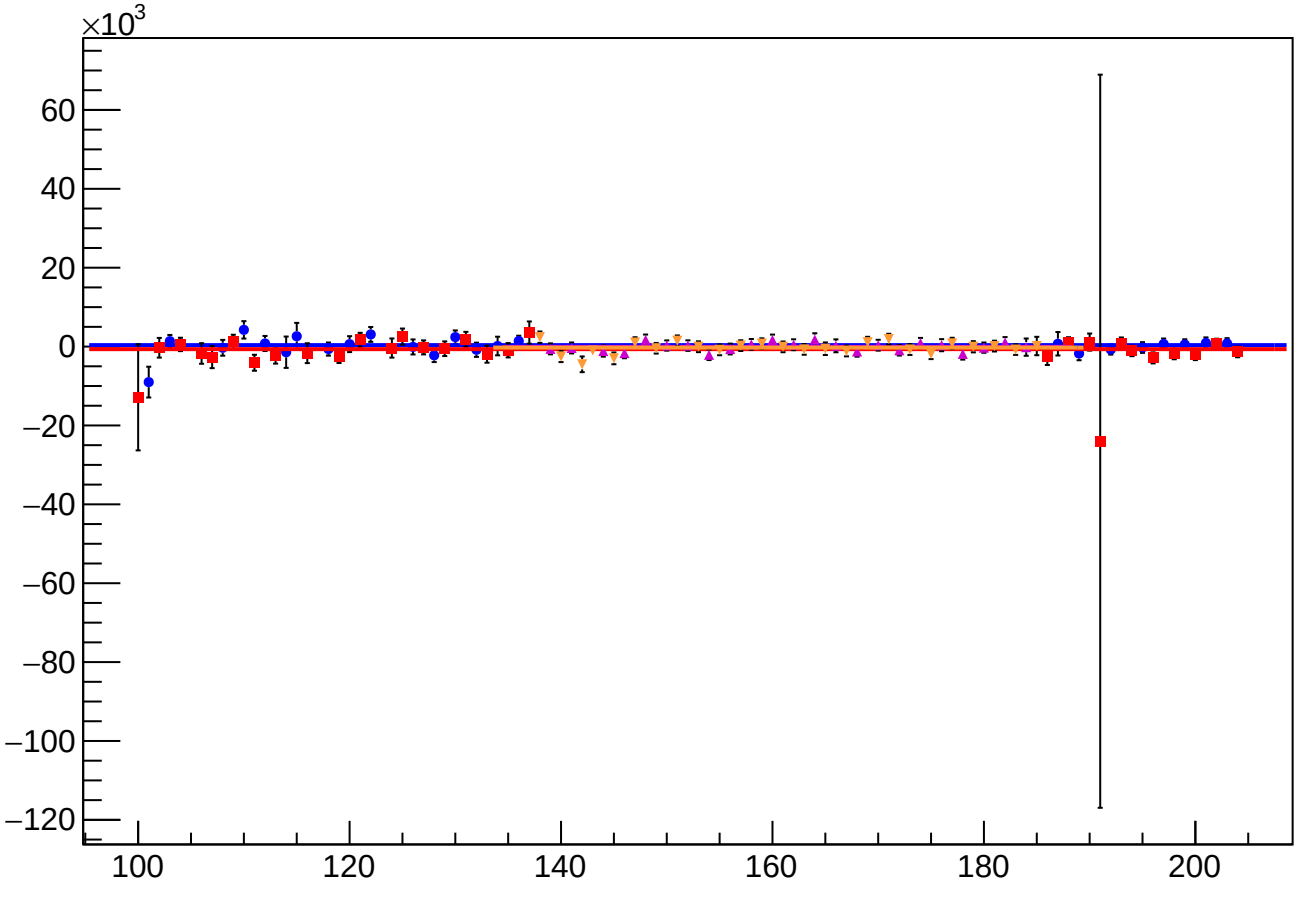
Left: 584.400+/-0.068 χ^2/NDF: 1763106.4/47

Right: 1264.355+/-0.176 χ^2/NDF: 4800906.9/53

In: 665.893+/-0.091 χ^2/NDF:8682981.0/46

Out: 680.366+/-0.089 χ^2/NDF:10832978.3/54

All: 673.216+/-0.064 χ^2/NDF: 19528889.2/10



Right In: 368.671+/-353.757 χ^2/NDF: 20.2/23

Left Out: -250.849+/-279.923 χ^2/NDF:24.0/24

Right Out: -652.324+/-330.942 χ^2/NDF: 26.8/29

Left In: -74.881+/-291.458 χ^2/NDF:14.0/22

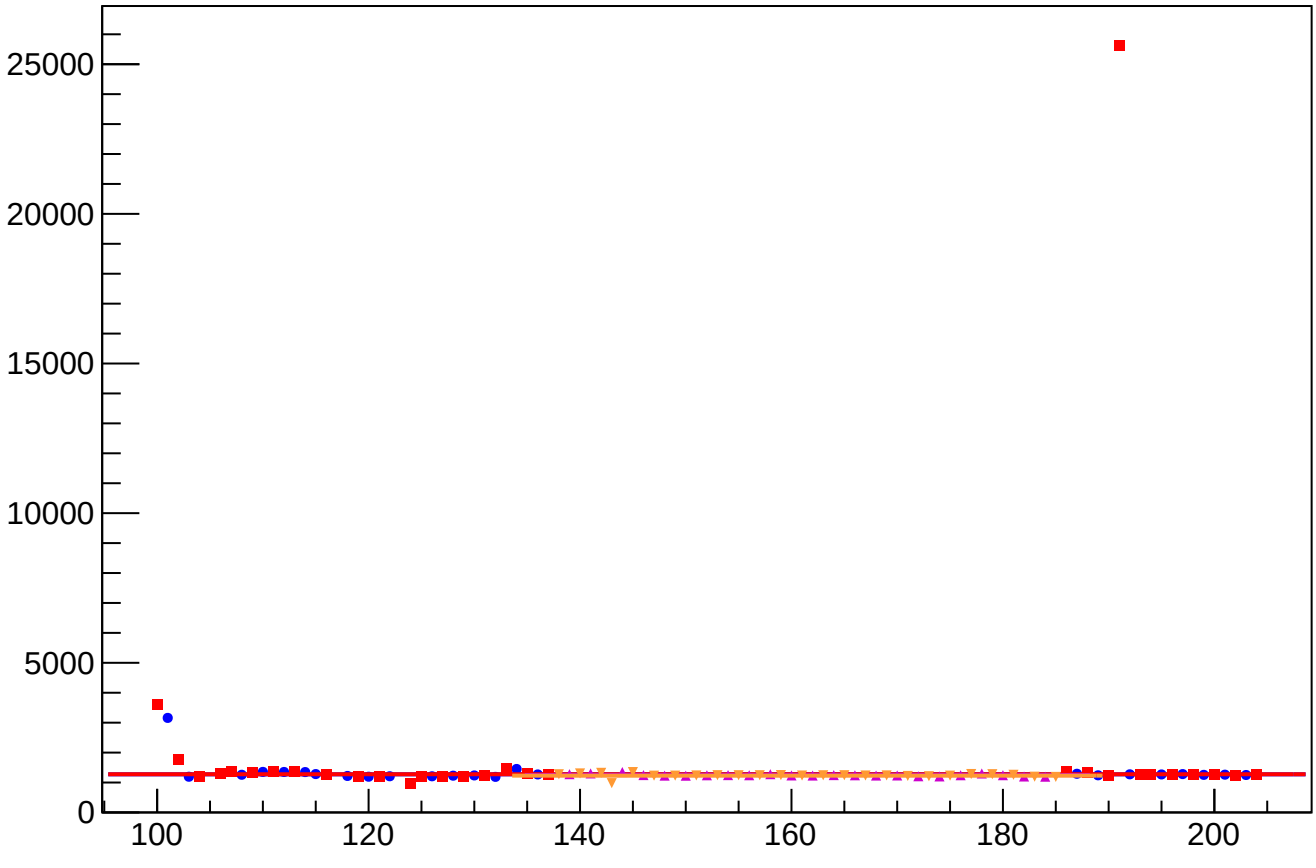
Left: -166.416+/-201.890 χ^2/NDF: 38.2/47

Right: -175.811+/-241.675 χ^2/NDF: 51.4/53

In: 104.463+/-224.945 χ^2/NDF:35.1/46

Out: -418.288+/-213.723 χ^2/NDF:51.7/54

All: -170.277+/-154.940 χ^2/NDF: 89.6/101



Right In: 1273.420+/-0.250 χ^2/NDF: 509496.4/23

Left Out: 1229.986+/-0.198 χ^2/NDF:141607.5/24

Right Out: 1276.606+/-0.234 χ^2/NDF: 370183.0/29

Left In: 1247.785+/-0.206 χ^2/NDF:27340.8/22

Left: 1238.526+/-0.143 χ^2/NDF: 172828.2/47

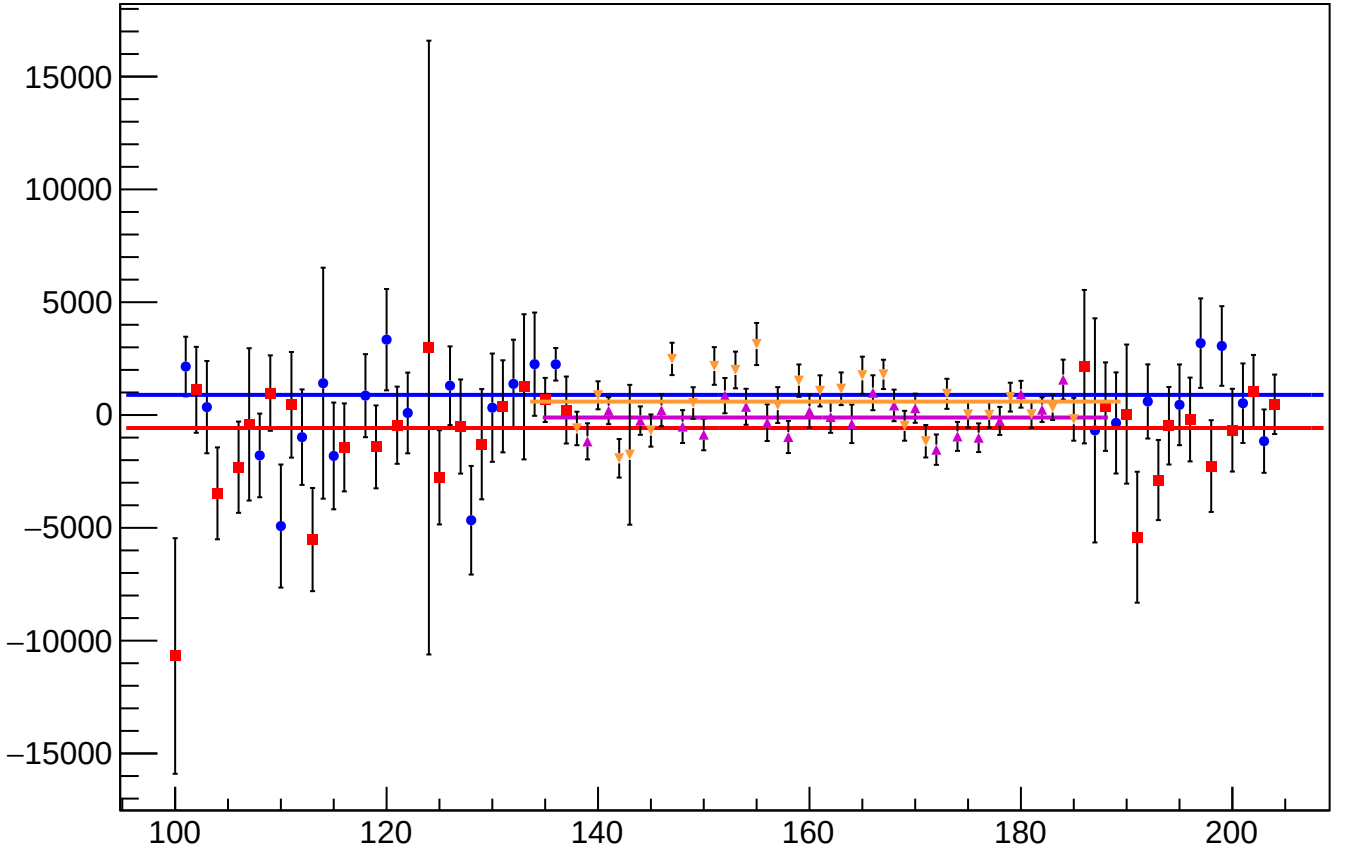
Right: 1275.119+/-0.171 χ^2/NDF: 879765.9/53

In: 1258.150+/-0.159 χ^2/NDF:543093.2/46

Out: 1249.429+/-0.151 χ^2/NDF:534926.6/54

All: 1253.567+/-0.110 χ^2/NDF: 1079599.7/10

asym_at1_dd_at2_dd_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: 893.134+/-356.751 χ^2/NDF: 26.0/23

Left Out: 595.000+/-142.130 χ^2/NDF:57.3/24

Right Out: -574.936+/-353.530 χ^2/NDF: 24.9/29

Left In: -110.252+/-144.232 χ^2/NDF:25.7/22

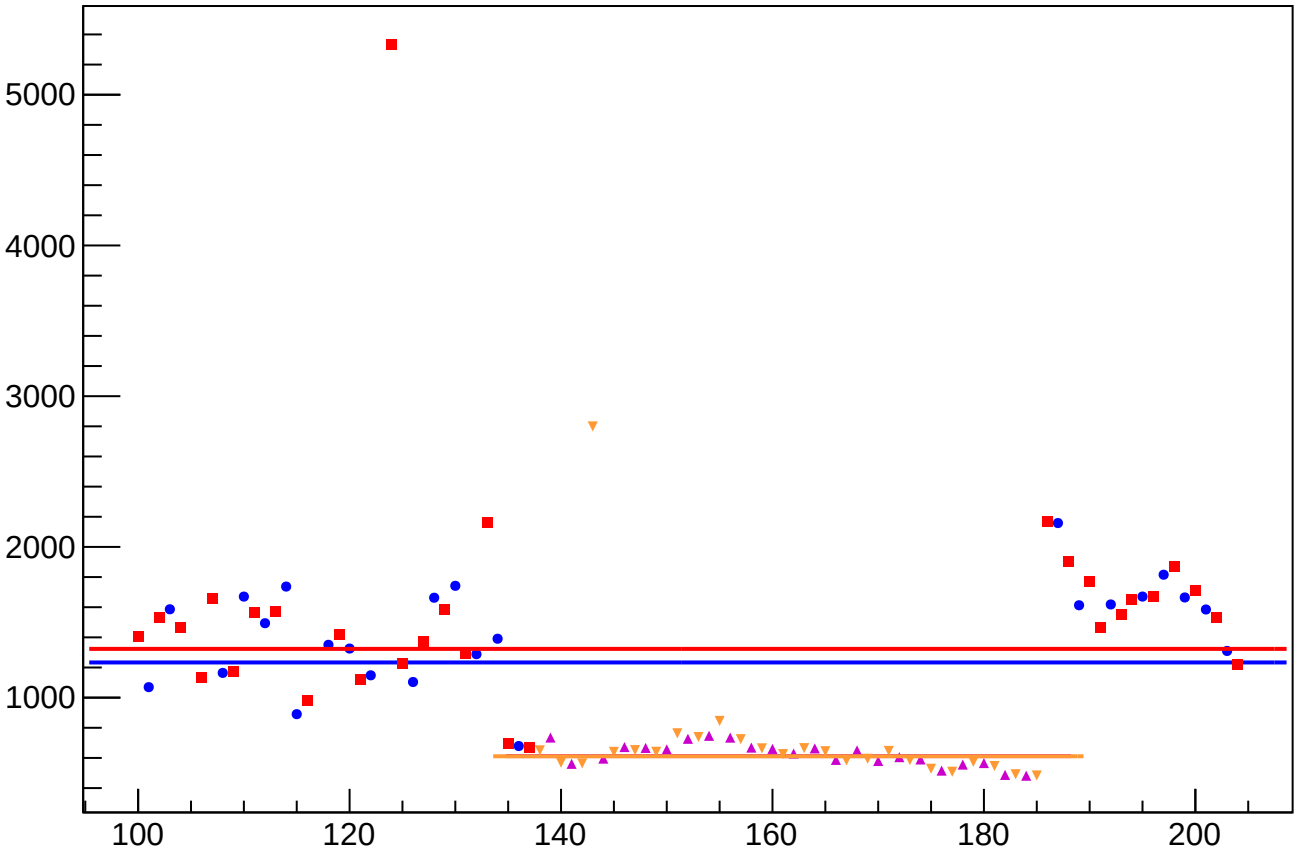
Left: 247.550+/-101.236 χ^2/NDF: 95.2/47

Right: 152.443+/-251.114 χ^2/NDF: 59.4/53

In: 30.714+/-133.717 χ^2/NDF:58.5/46

Out: 432.214+/-131.872 χ^2/NDF:91.6/54

All: 234.254+/-93.893 χ^2/NDF: 154.7/101



Right In: 1233.456+/-0.252 χ^2/NDF: 2342203.4/23

Left Out: 611.087+/-0.101 χ^2/NDF:1619322.3/24

Right Out: 1323.525+/-0.250 χ^2/NDF: 2574408.4/29

Left In: 612.399+/-0.102 χ^2/NDF:508595.4/22

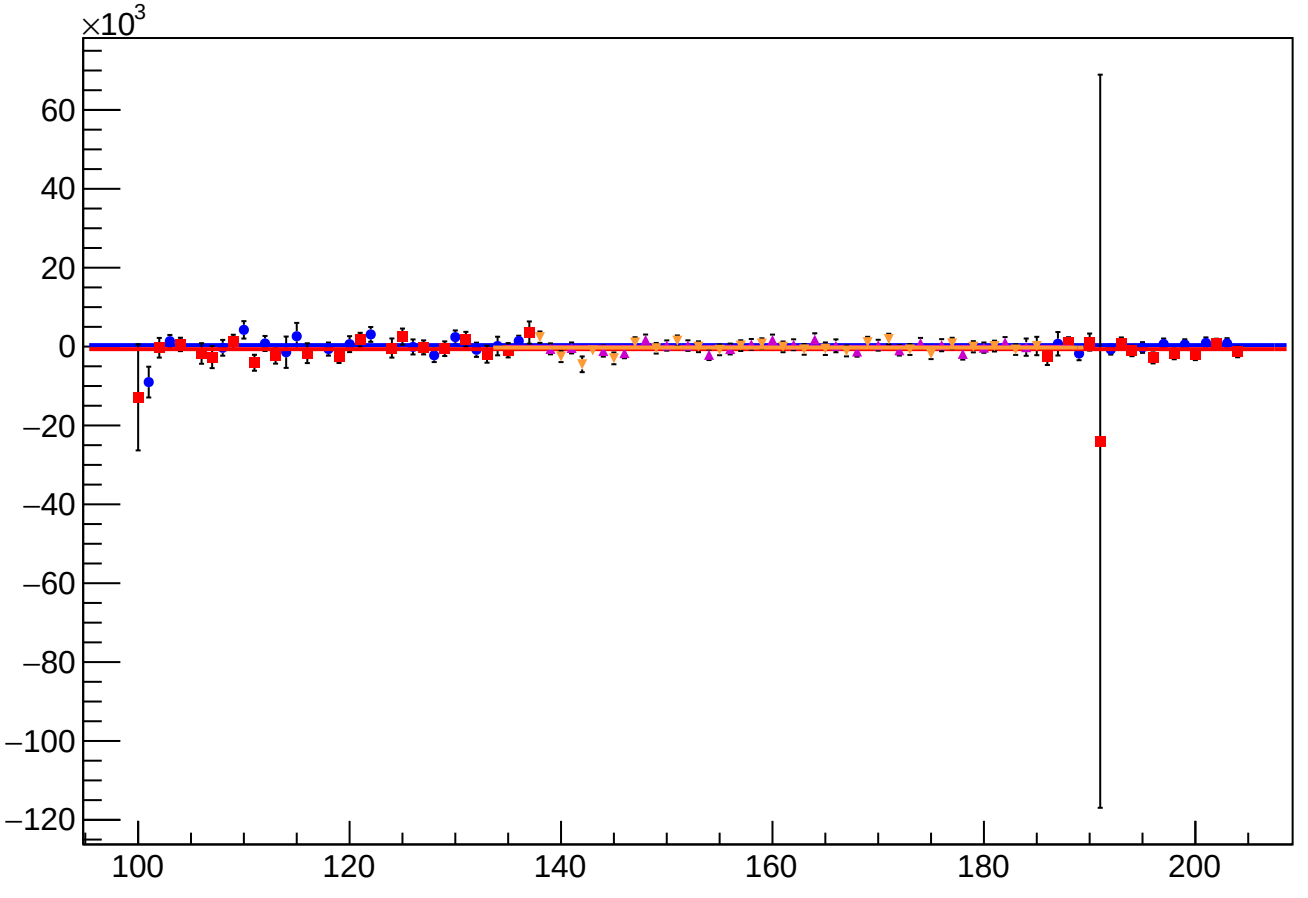
Left: 611.733+/-0.072 χ^2/NDF: 2128001.7/47

Right: 1278.899+/-0.178 χ^2/NDF: 4980931.0/53

In: 699.651+/-0.095 χ^2/NDF:8060522.2/46

Out: 710.216+/-0.093 χ^2/NDF:11185772.0/54

All: 705.007+/-0.066 χ^2/NDF: 19252622.5/10



Right In: 368.673+/-353.757 χ^2/NDF: 20.2/23

Left Out: -250.851+/-279.923 χ^2/NDF:24.0/24

Right Out: -652.325+/-330.942 χ^2/NDF: 26.8/29

Left In: -74.881+/-291.458 χ^2/NDF:14.0/22

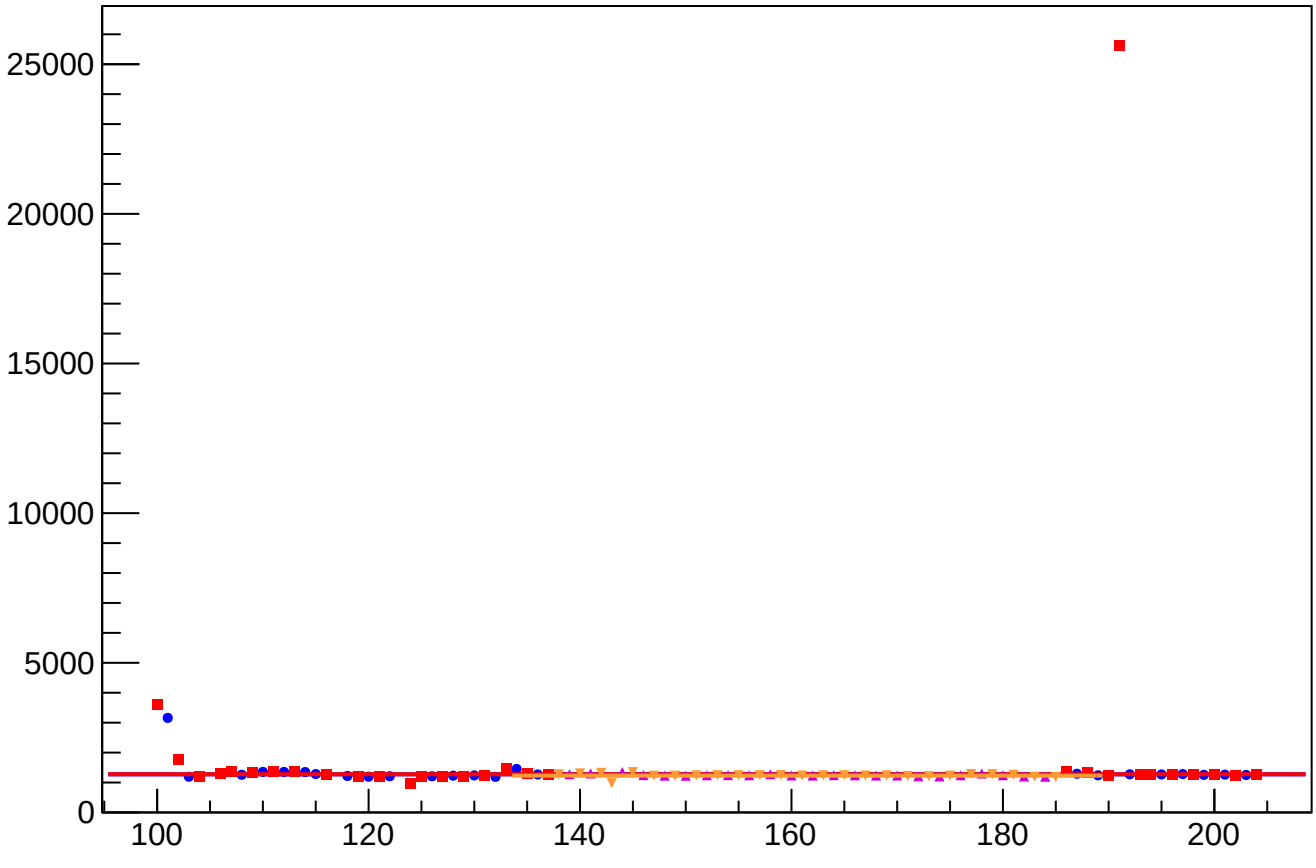
Left: -166.417+/-201.890 χ^2/NDF: 38.2/47

Right: -175.810+/-241.675 χ^2/NDF: 51.4/53

In: 104.464+/-224.945 χ^2/NDF:35.1/46

Out: -418.289+/-213.723 χ^2/NDF:51.7/54

All: -170.278+/-154.940 χ^2/NDF: 89.6/101



Right In: 1273.420+/-0.250 χ^2/NDF: 509496.5/23

Left Out: 1229.986+/-0.198 χ^2/NDF:141606.6/24

Right Out: 1276.606+/-0.234 χ^2/NDF: 370182.9/29

Left In: 1247.785+/-0.206 χ^2/NDF:27340.7/22

Left: 1238.526+/-0.143 χ^2/NDF: 172827.1/47

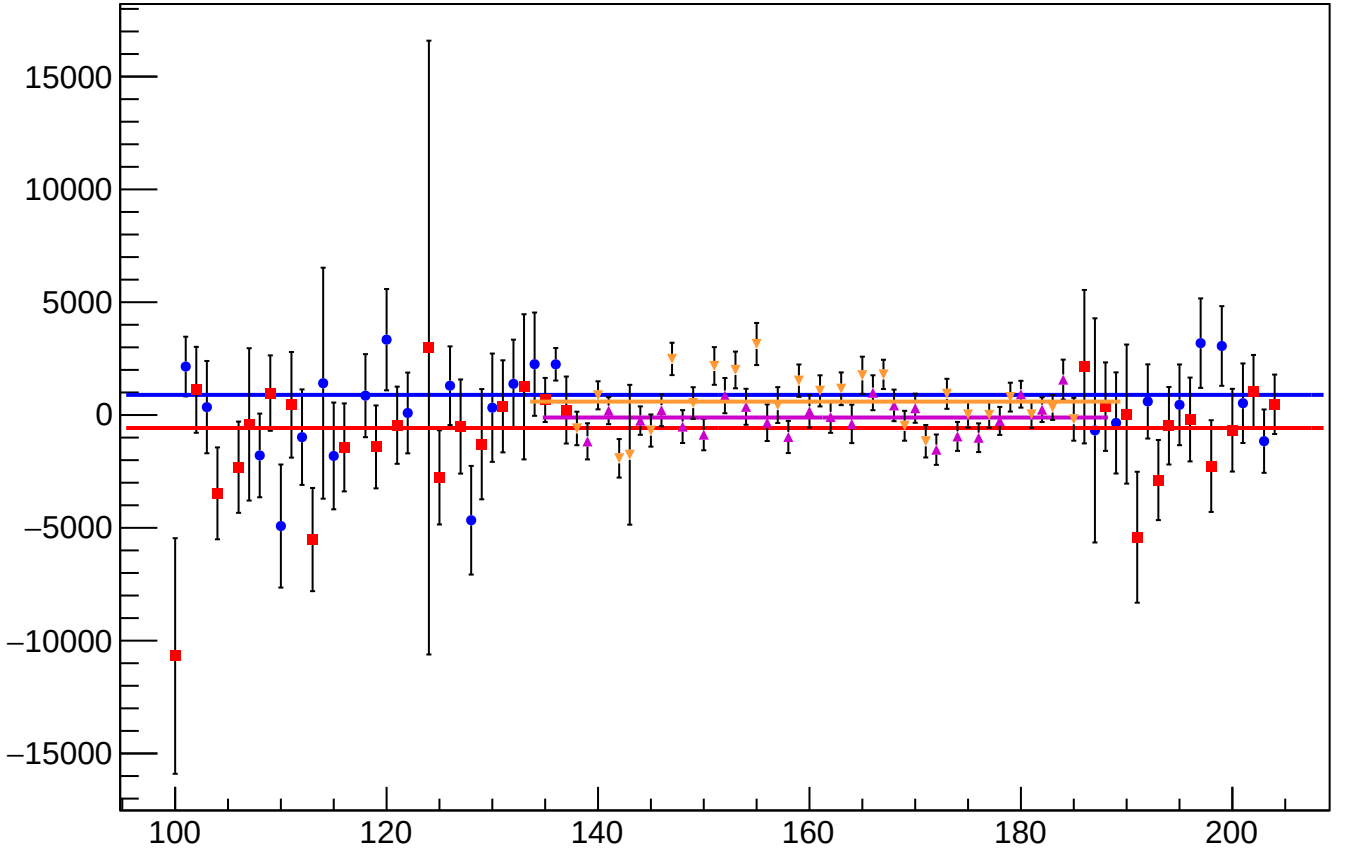
Right: 1275.119+/-0.171 χ^2/NDF: 879765.9/53

In: 1258.150+/-0.159 χ^2/NDF:543093.2/46

Out: 1249.429+/-0.151 χ^2/NDF:534925.6/54

All: 1253.567+/-0.110 χ^2/NDF: 1079598.7/10

asym_at1_dd_at2_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 893.130+/-356.751 χ^2/NDF: 26.0/23

Left Out: 595.000+/-142.130 χ^2/NDF:57.3/24

Right Out: -574.944+/-353.531 χ^2/NDF: 24.9/29

Left In: -110.251+/-144.232 χ^2/NDF:25.7/22

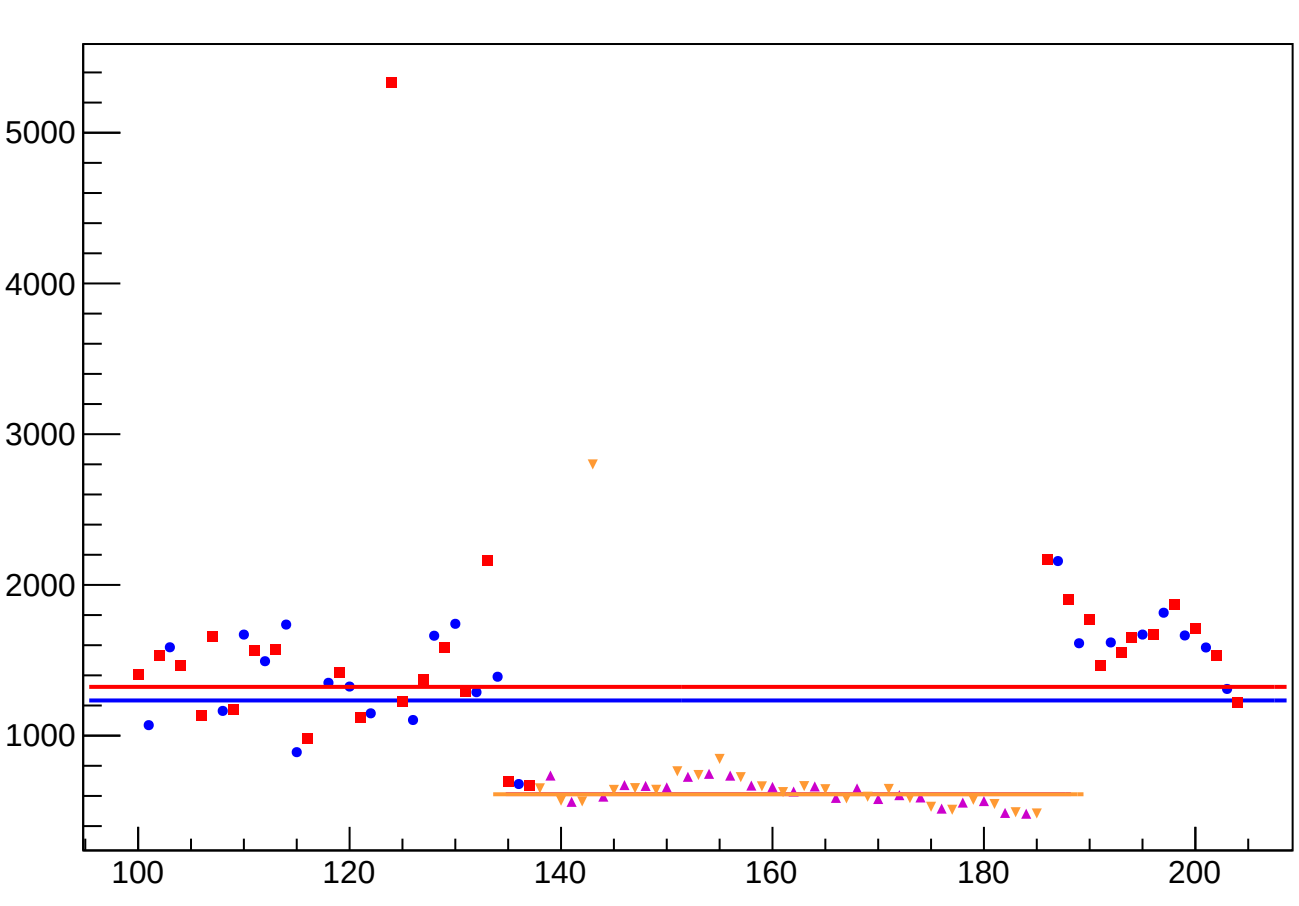
Left: 247.550+/-101.236 χ^2/NDF: 95.2/47

Right: 152.437+/-251.115 χ^2/NDF: 59.4/53

In: 30.713+/-133.717 χ^2/NDF:58.5/46

Out: 432.214+/-131.872 χ^2/NDF:91.6/54

All: 234.253+/-93.893 χ^2/NDF: 154.7/101



Right In: 1233.461+/-0.252 χ^2/NDF: 2342123.7/23

Left Out: 611.086+/-0.101 χ^2/NDF:1619319.5/24

Right Out: 1323.530+/-0.250 χ^2/NDF: 2574331.0/29

Left In: 612.398+/-0.102 χ^2/NDF:508597.7/22

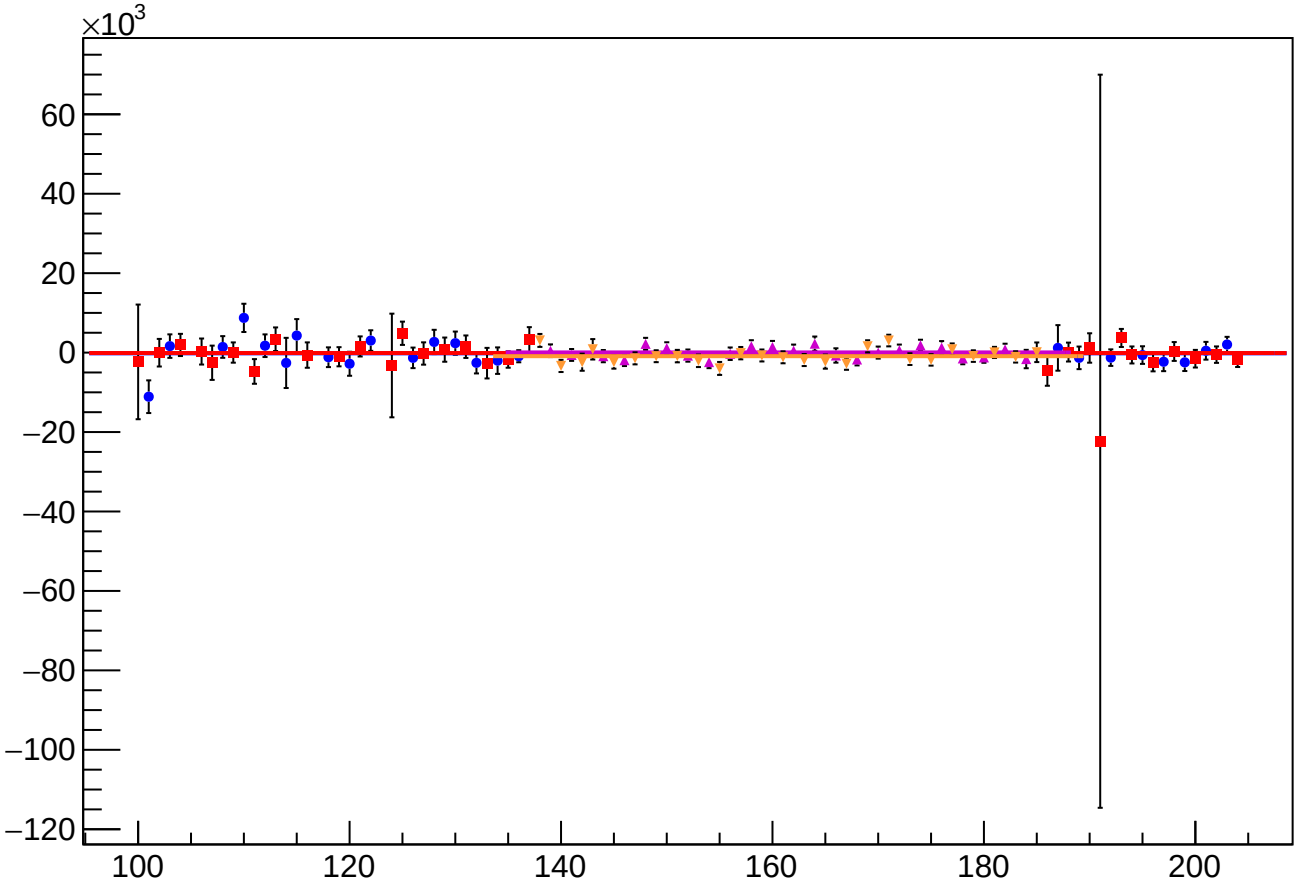
Left: 611.733+/-0.072 χ^2/NDF: 2128001.1/47

Right: 1278.904+/-0.178 χ^2/NDF: 4980773.4/53

In: 699.651+/-0.095 χ^2/NDF:8060522.9/46

Out: 710.216+/-0.093 χ^2/NDF:11185769.1/54

All: 705.007+/-0.066 χ^2/NDF: 19252620.9/10



Right In: -180.572+/-535.214 χ^2/NDF: 25.3/23

Left Out: -899.894+/-316.449 χ^2/NDF:29.8/24

Right Out: -103.218+/-509.365 χ^2/NDF: 17.2/29

Left In: 48.178+/-320.929 χ^2/NDF:17.9/22

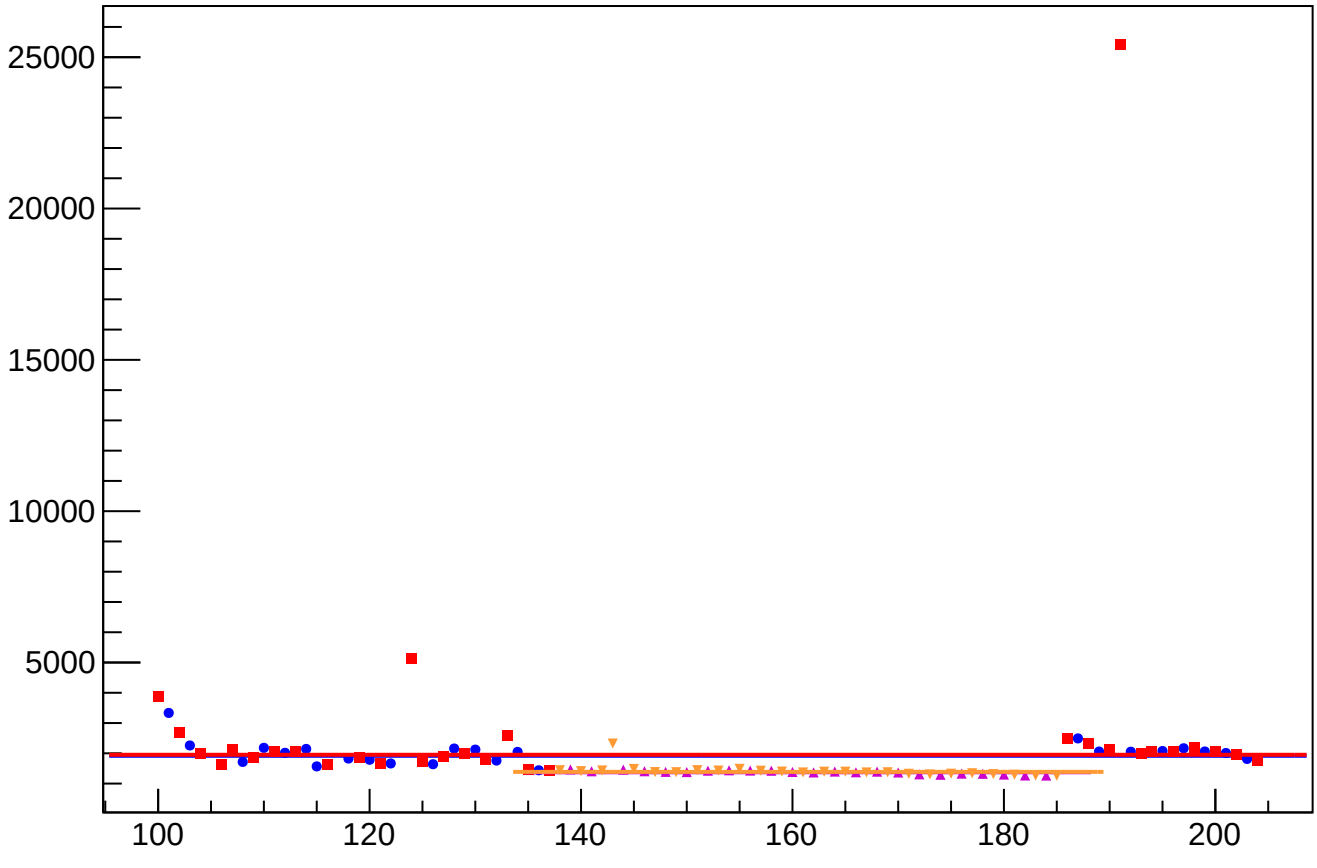
Left: -432.522+/-225.330 χ^2/NDF: 52.1/47

Right: -139.982+/-368.975 χ^2/NDF: 42.4/53

In: -12.319+/-275.239 χ^2/NDF:43.3/46

Out: -678.035+/-268.799 χ^2/NDF:48.7/54

All: -353.057+/-192.306 χ^2/NDF: 95.0/101



Right In: 1918.364+/-0.378 χ^2/NDF: 665286.0/23

Left Out: 1386.845+/-0.224 χ^2/NDF:339794.5/24

Right Out: 1951.348+/-0.360 χ^2/NDF: 836306.3/29

Left In: 1373.217+/-0.227 χ^2/NDF:64467.6/22

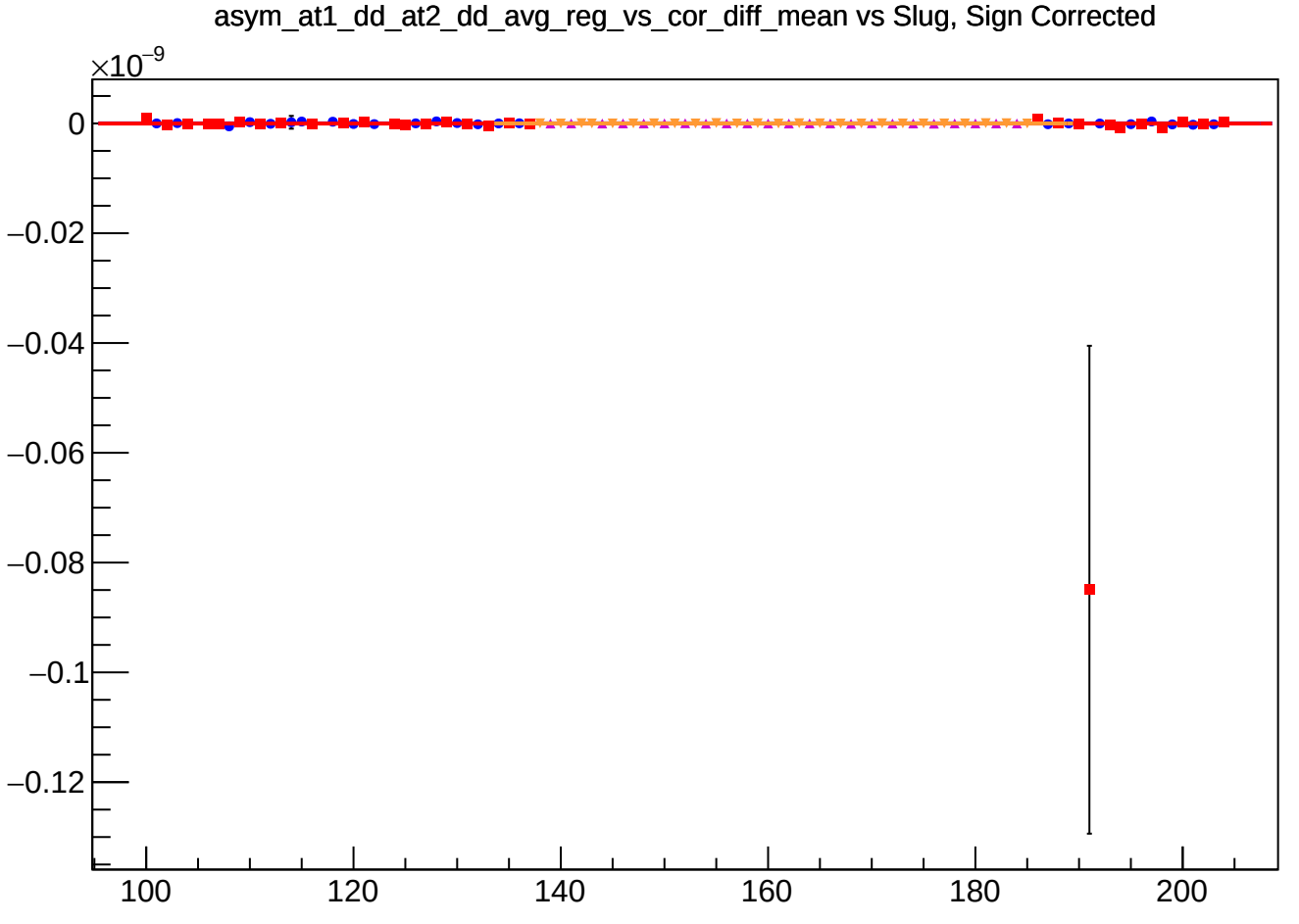
Left: 1380.126+/-0.159 χ^2/NDF: 406090.7/47

Right: 1935.672+/-0.261 χ^2/NDF: 1505578.2/53

In: 1517.389+/-0.195 χ^2/NDF:2255941.3/46

Out: 1544.050+/-0.190 χ^2/NDF:2948478.7/54

All: 1531.035+/-0.136 χ^2/NDF: 5214024.9/10



Right In: 0.000+/-0.000 χ^2/NDF: 21.6/23

Left Out: 0.000+/-0.000 χ^2/NDF:24.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 45.8/29

Left In: 0.000+/-0.000 χ^2/NDF:13.5/22

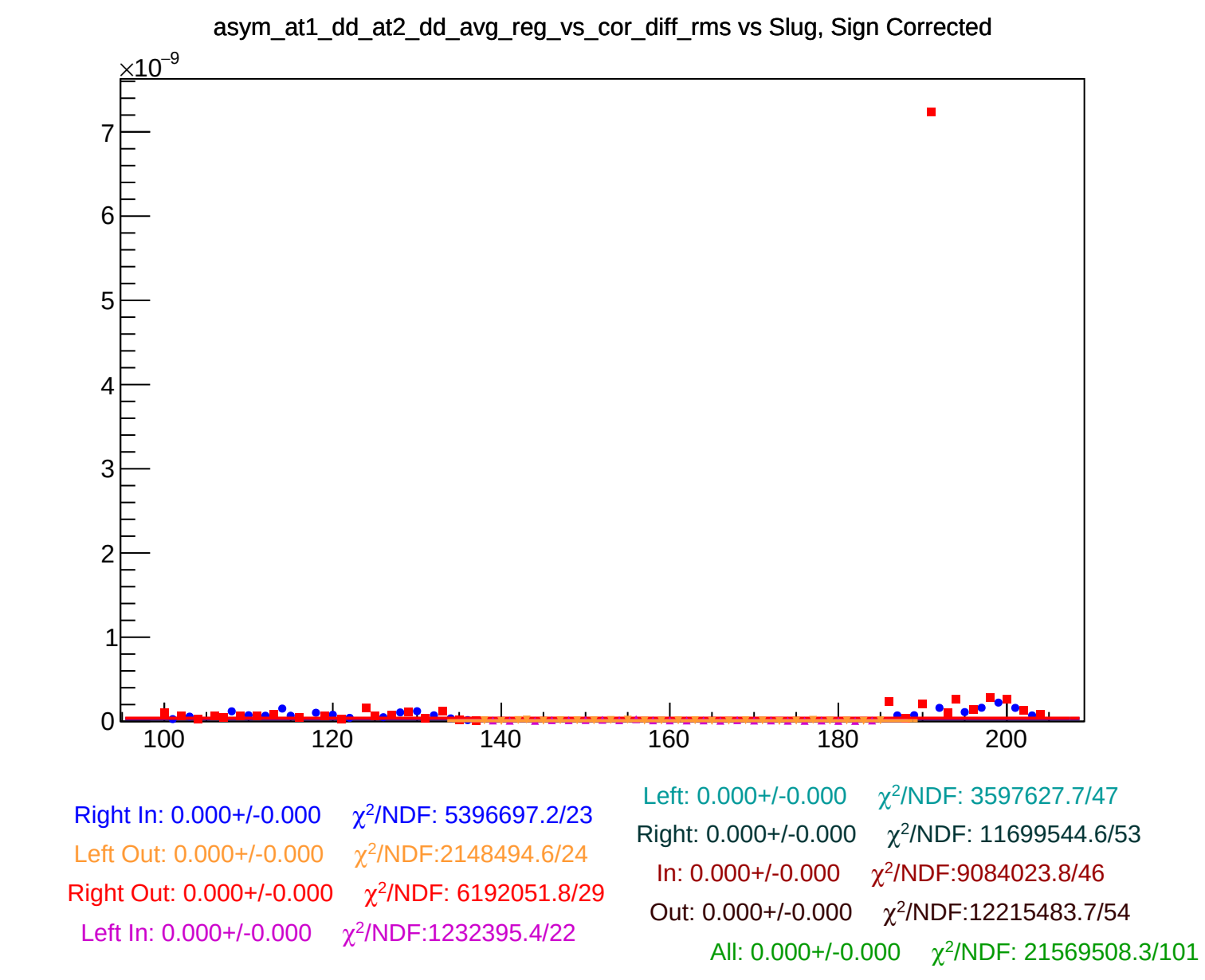
Left: 0.000+/-0.000 χ^2/NDF: 38.4/47

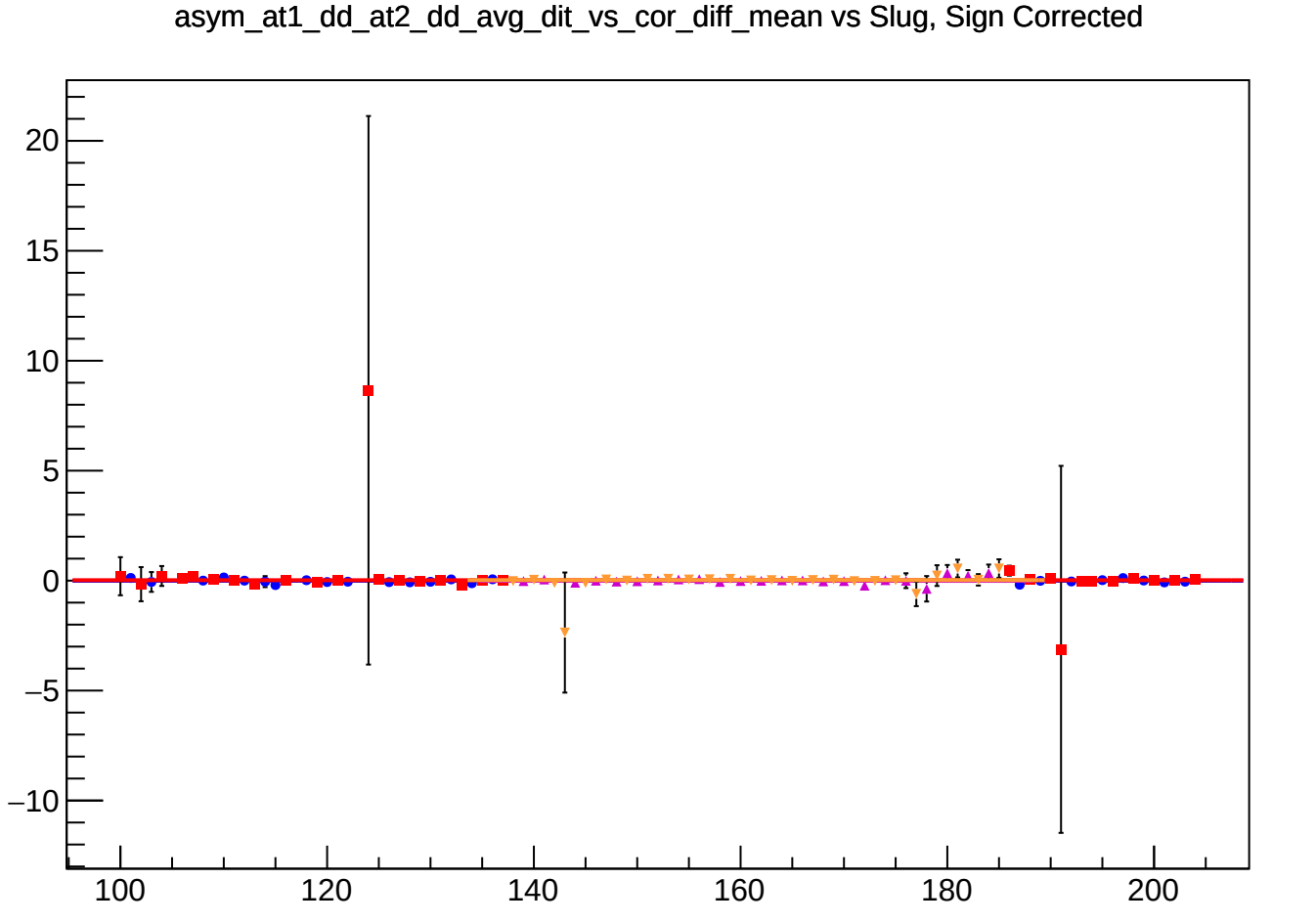
Right: -0.000+/-0.000 χ^2/NDF: 68.8/53

In: 0.000+/-0.000 χ^2/NDF:35.5/46

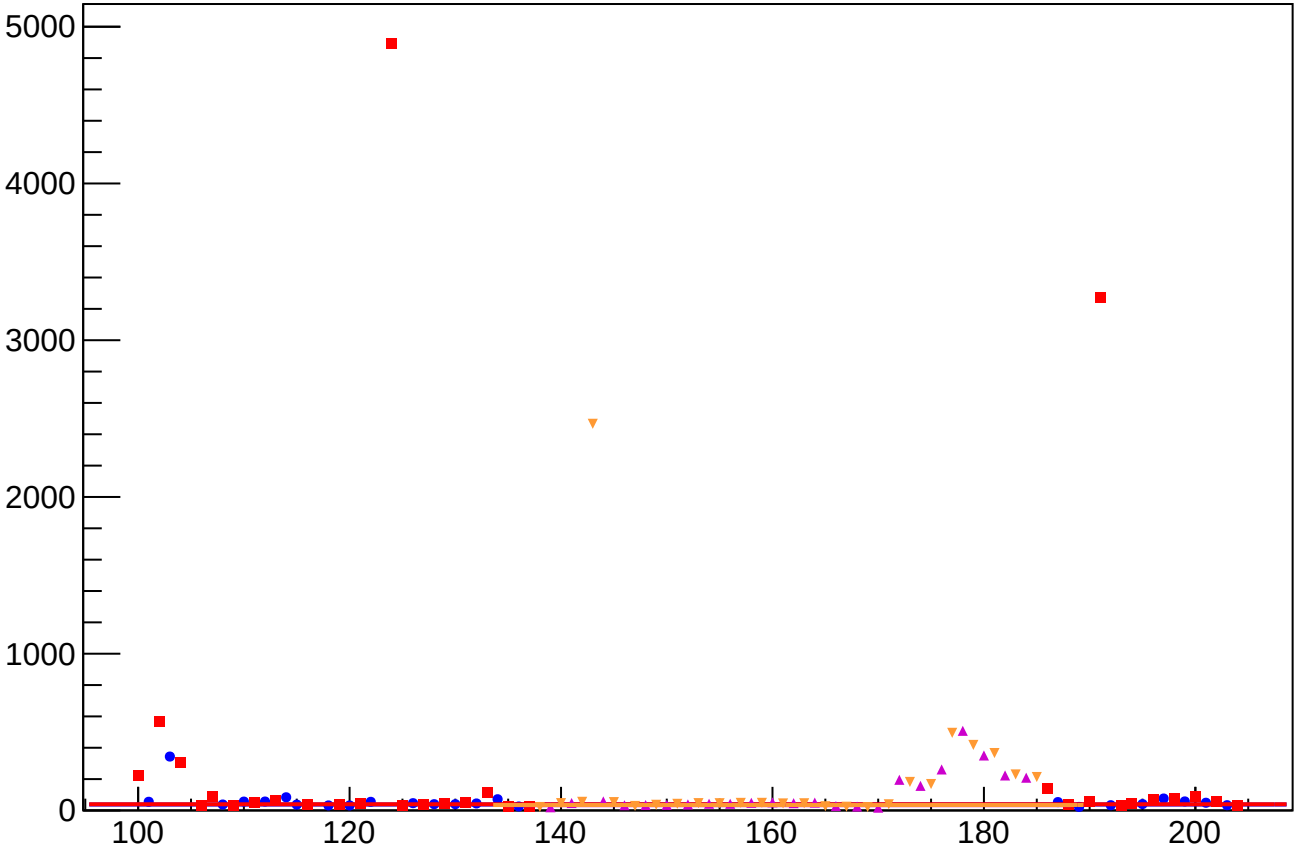
Out: 0.000+/-0.000 χ^2/NDF:71.7/54

All: 0.000+/-0.000 χ^2/NDF: 107.2/101


asym_at1_dd_at2_dd_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
7
6
5
4
3
2
1
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 5396697.2/23
Left Out: 0.000+/-0.000 χ²/NDF:2148494.6/24
Right Out: 0.000+/-0.000 χ²/NDF: 6192051.8/29
Left In: 0.000+/-0.000 χ²/NDF:1232395.4/22
Left: 0.000+/-0.000 χ²/NDF: 3597627.7/47
Right: 0.000+/-0.000 χ²/NDF: 11699544.6/53
In: 0.000+/-0.000 χ²/NDF:9084023.8/46
Out: 0.000+/-0.000 χ²/NDF:12215483.7/54
All: 0.000+/-0.000 χ²/NDF: 21569508.3/101


asym_at1_dd_at2_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected
20
15
10
5
0
−5
−10
100
120
140
160
180
200
Right In: -0.006+/-0.012 χ²/NDF: 27.9/23
Left Out: 0.023+/-0.010 χ²/NDF:22.8/24
Right Out: 0.020+/-0.012 χ²/NDF: 22.0/29
Left In: -0.010+/-0.010 χ²/NDF:14.8/22
Left: 0.006+/-0.007 χ²/NDF: 43.0/47
Right: 0.007+/-0.009 χ²/NDF: 52.2/53
In: -0.008+/-0.008 χ²/NDF:42.8/46
Out: 0.022+/-0.008 χ²/NDF:44.9/54
All: 0.007+/-0.005 χ²/NDF: 95.2/101

asym_at1_dd_at2_dd_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.724+/-0.008 χ^2/NDF: 2984504.0/23

Left Out: 34.624+/-0.007 χ^2/NDF:11402451.4/24

Right Out: 39.592+/-0.009 χ^2/NDF: 5591023.5/29

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

Left: 34.094+/-0.005 χ^2/NDF: 21480396.5/47

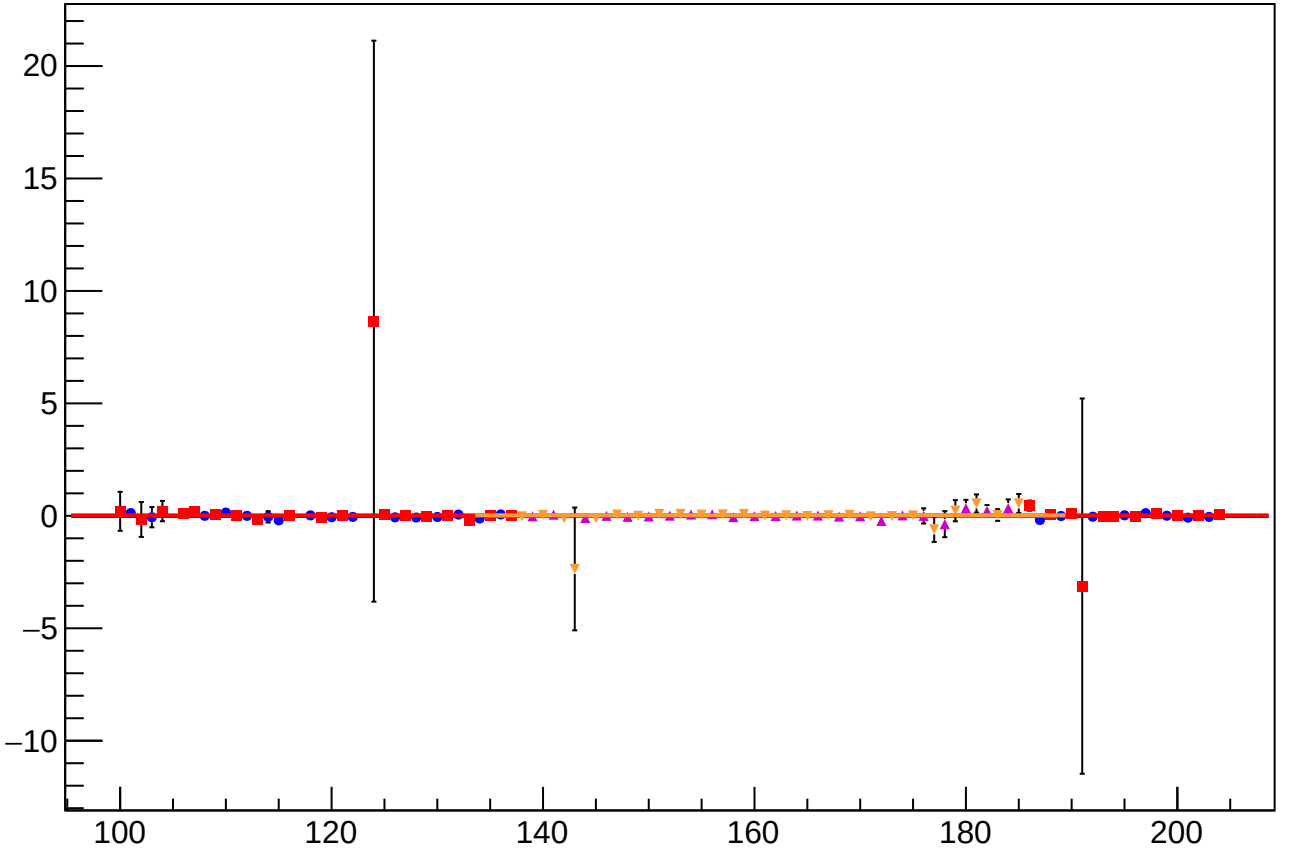
Right: 38.646+/-0.006 χ^2/NDF: 8599556.4/53

In: 35.277+/-0.005 χ^2/NDF:13192874.6/46

Out: 36.684+/-0.006 χ^2/NDF:17190023.9/54

All: 35.966+/-0.004 χ^2/NDF: 30416012.0/101

asym_at1_dd_at2_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.006+/-0.012 χ^2/NDF: 27.9/23

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: 0.020+/-0.012 χ^2/NDF: 22.0/29

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

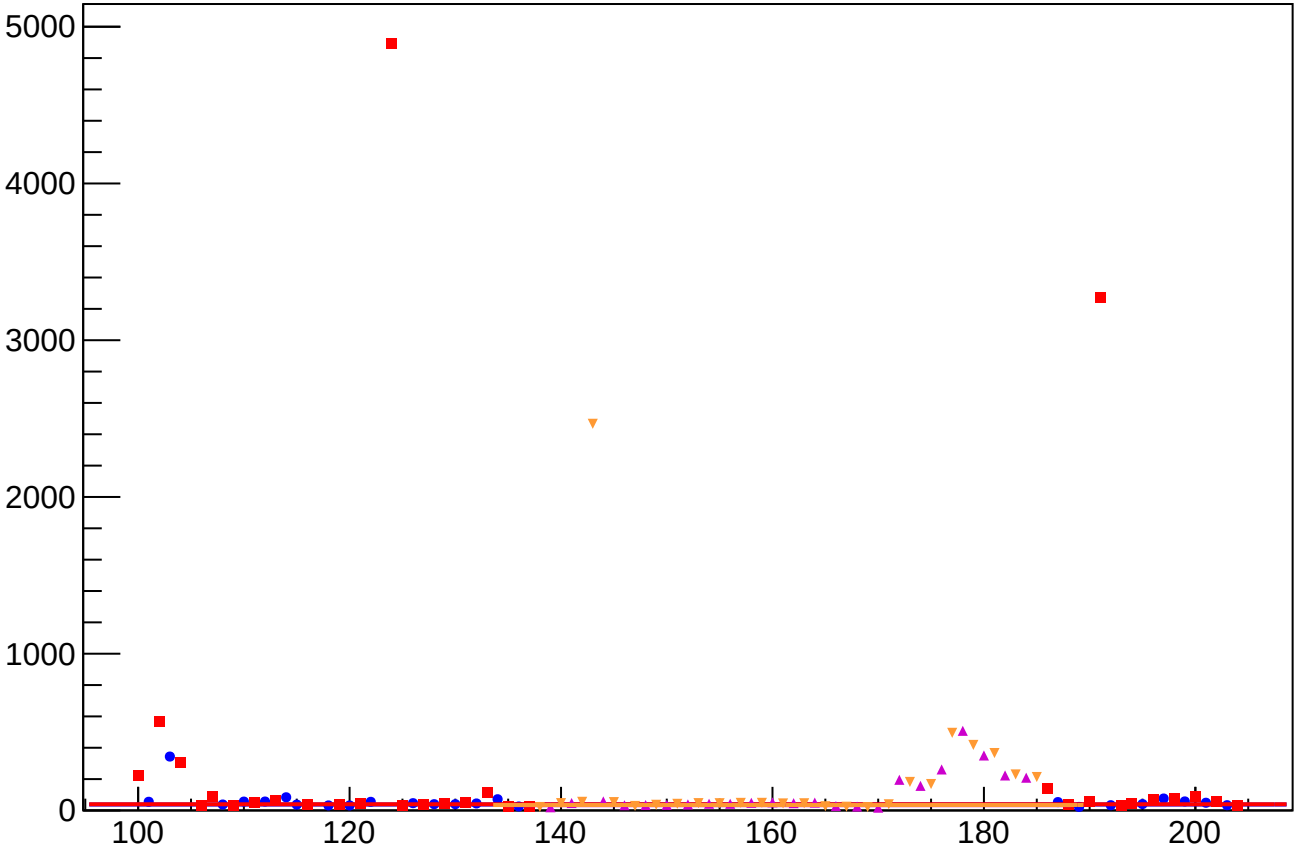
Right: 0.007+/-0.009 χ^2/NDF: 52.2/53

In: -0.008+/-0.008 χ^2/NDF:42.8/46

Out: 0.022+/-0.008 χ^2/NDF:44.9/54

All: 0.007+/-0.005 χ^2/NDF: 95.2/101

asym_at1_dd_at2_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.724+/-0.008 χ^2/NDF: 2984504.0/23

Left Out: 34.624+/-0.007 χ^2/NDF:11402451.4/24

Right Out: 39.592+/-0.009 χ^2/NDF: 5591023.5/29

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

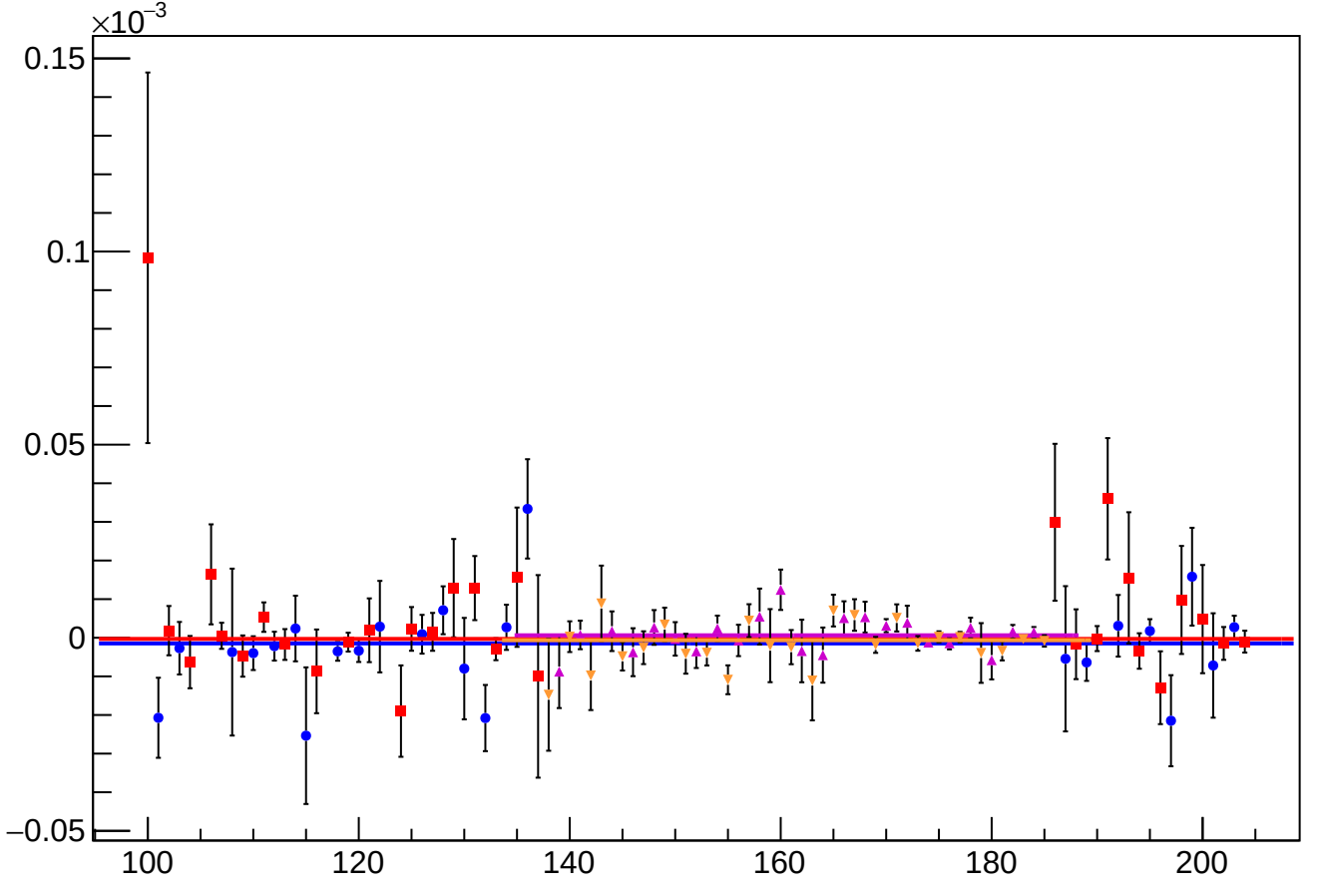
Left: 34.094+/-0.005 χ^2/NDF: 21480396.5/47

Right: 38.646+/-0.006 χ^2/NDF: 8599556.4/53

In: 35.277+/-0.005 χ^2/NDF:13192874.6/46

Out: 36.684+/-0.006 χ^2/NDF:17190023.9/54

All: 35.966+/-0.004 χ^2/NDF: 30416012.0/101



Right In: -0.000+/-0.000 χ^2/NDF: 32.0/23

Left Out: -0.000+/-0.000 χ^2/NDF:28.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 30.4/29

Left In: 0.000+/-0.000 χ^2/NDF:21.9/22

Left: -0.000+/-0.000 χ^2/NDF: 53.2/47

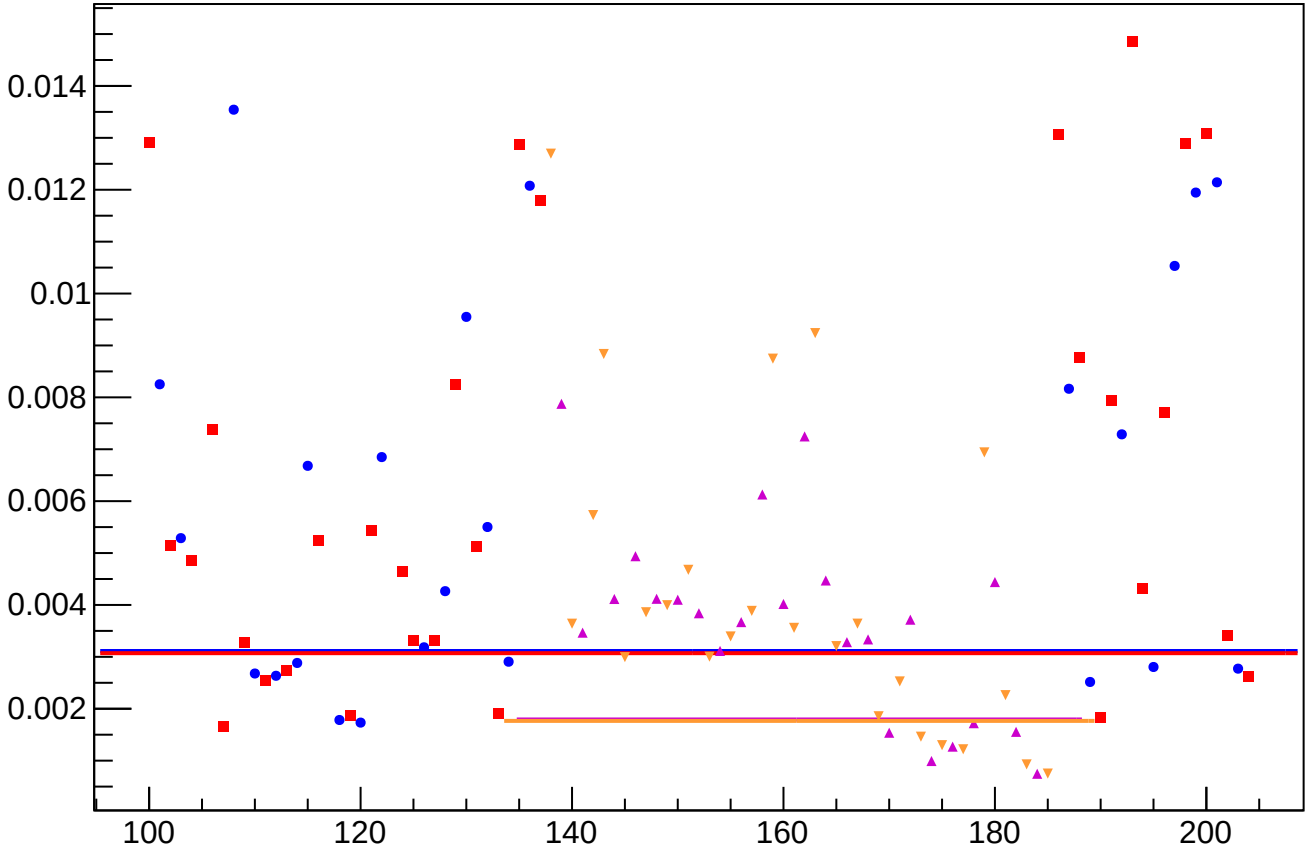
Right: -0.000+/-0.000 χ^2/NDF: 63.0/53

In: 0.000+/-0.000 χ^2/NDF:57.0/46

Out: -0.000+/-0.000 χ^2/NDF:58.8/54

All: -0.000+/-0.000 χ^2/NDF: 117.1/101

asym_at1_dd_at2_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 7645539.3/23

Left Out: 0.002+/-0.000 χ^2/NDF:12926339.2/24

Right Out: 0.003+/-0.000 χ^2/NDF: 8865729.6/29

Left In: 0.002+/-0.000 χ^2/NDF:10766932.4/22

Left: 0.002+/-0.000 χ^2/NDF: 23695843.2/47

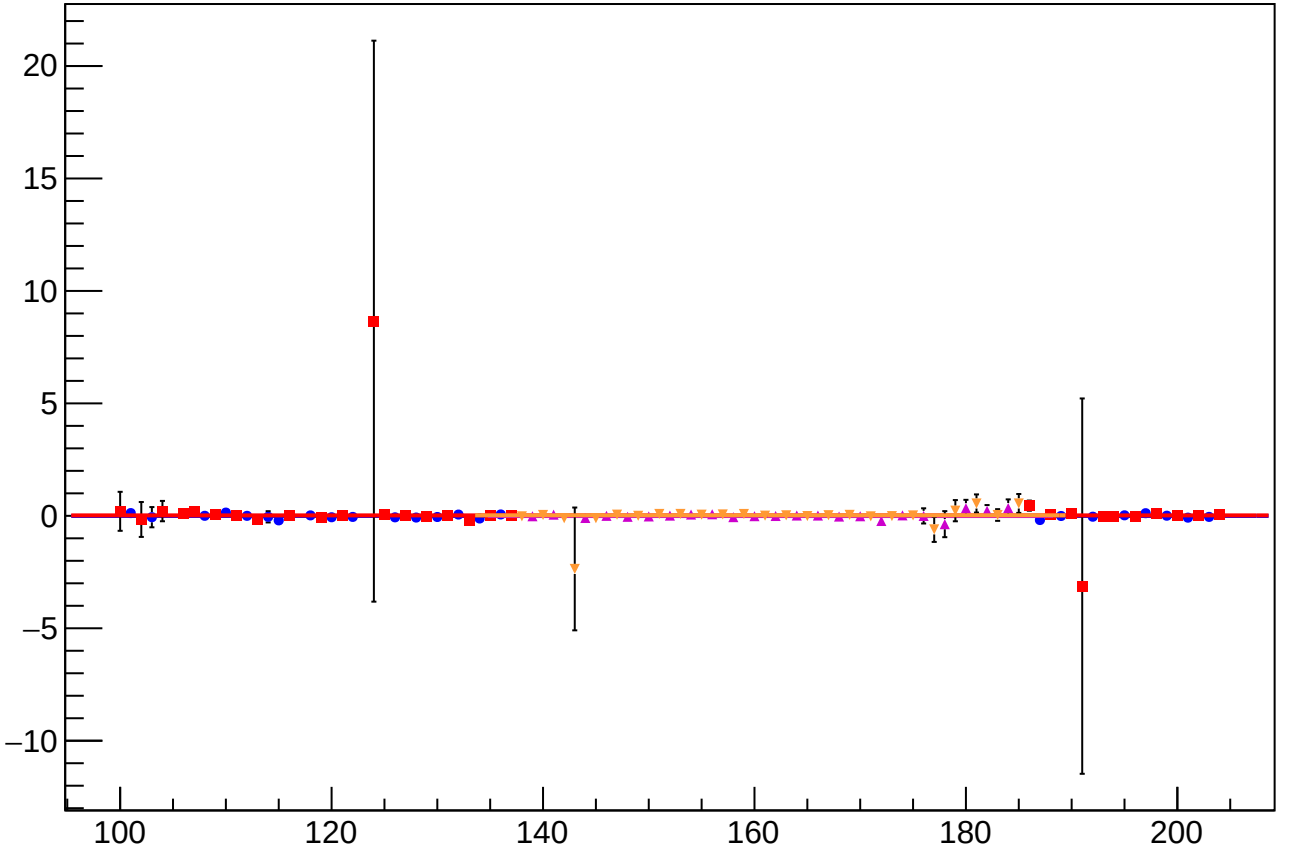
Right: 0.003+/-0.000 χ^2/NDF: 16512975.0/53

In: 0.002+/-0.000 χ^2/NDF:20861511.8/46

Out: 0.002+/-0.000 χ^2/NDF:24680057.2/54

All: 0.002+/-0.000 χ^2/NDF: 45542196.8/101

asym_at1_dd_at2_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.006+/-0.012 χ^2/NDF: 27.9/23

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: 0.020+/-0.012 χ^2/NDF: 22.0/29

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

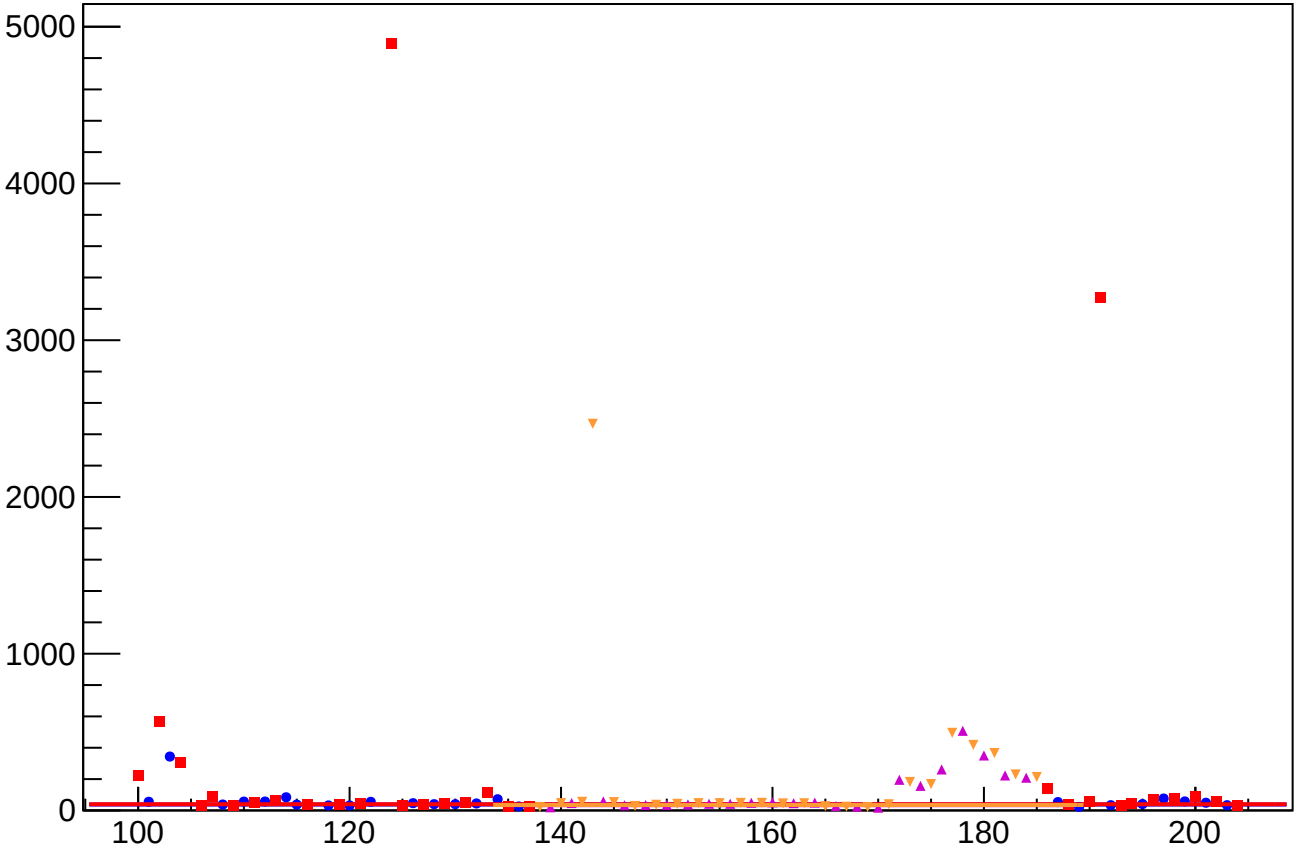
Right: 0.007+/-0.009 χ^2/NDF: 52.2/53

In: -0.008+/-0.008 χ^2/NDF:42.8/46

Out: 0.022+/-0.008 χ^2/NDF:44.9/54

All: 0.007+/-0.005 χ^2/NDF: 95.2/101

asym_at1_dd_at2_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.725+/-0.008 χ^2/NDF: 2983710.2/23

Left Out: 34.623+/-0.007 χ^2/NDF:11402566.2/24

Right Out: 39.592+/-0.009 χ^2/NDF: 5590871.4/29

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

Left: 34.095+/-0.005 χ^2/NDF: 21479175.2/47

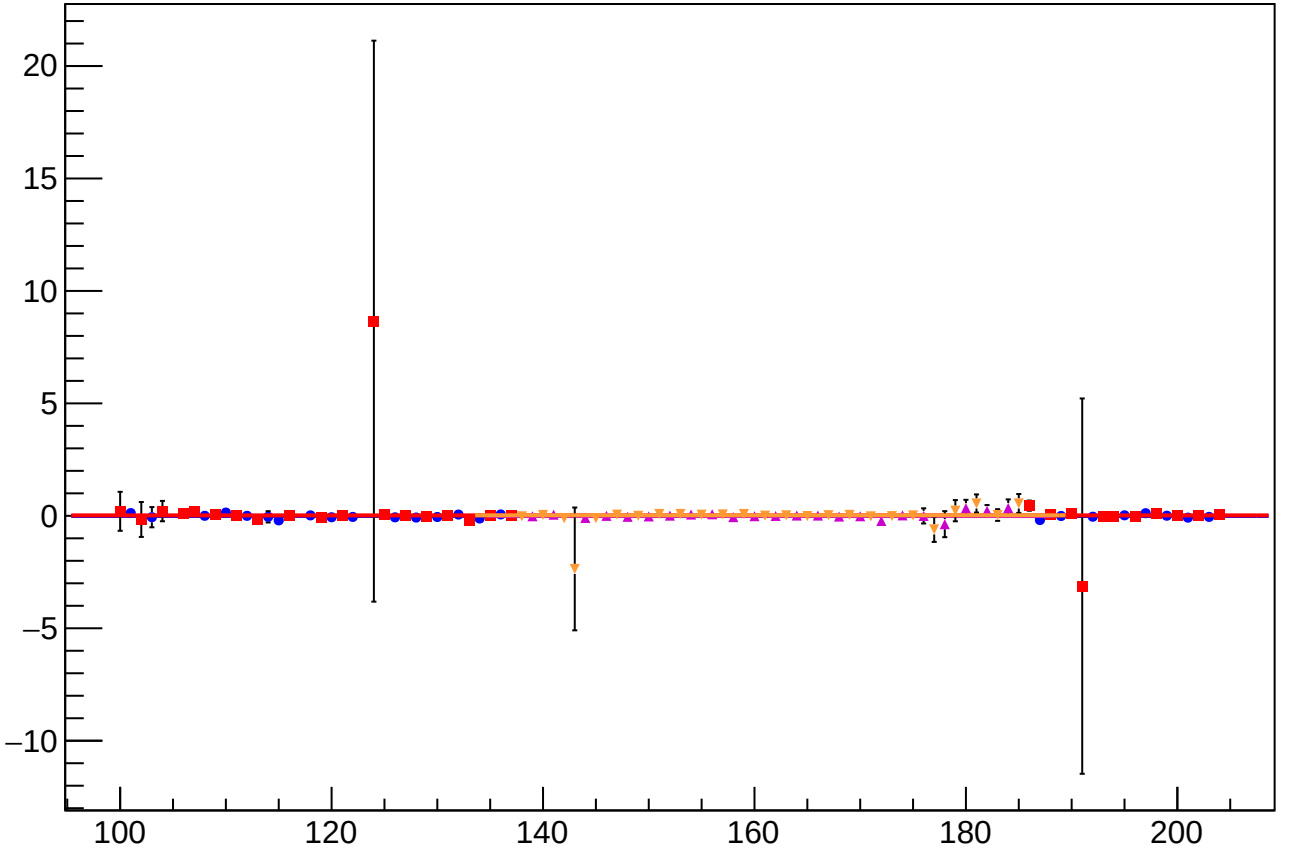
Right: 38.647+/-0.006 χ^2/NDF: 8598577.0/53

In: 35.279+/-0.005 χ^2/NDF:13190762.2/46

Out: 36.683+/-0.006 χ^2/NDF:17190097.0/54

All: 35.967+/-0.004 χ^2/NDF: 30413853.9/101

asym_at1_dd_at2_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.006+/-0.012 χ^2/NDF: 27.9/23

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: 0.020+/-0.012 χ^2/NDF: 22.0/29

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

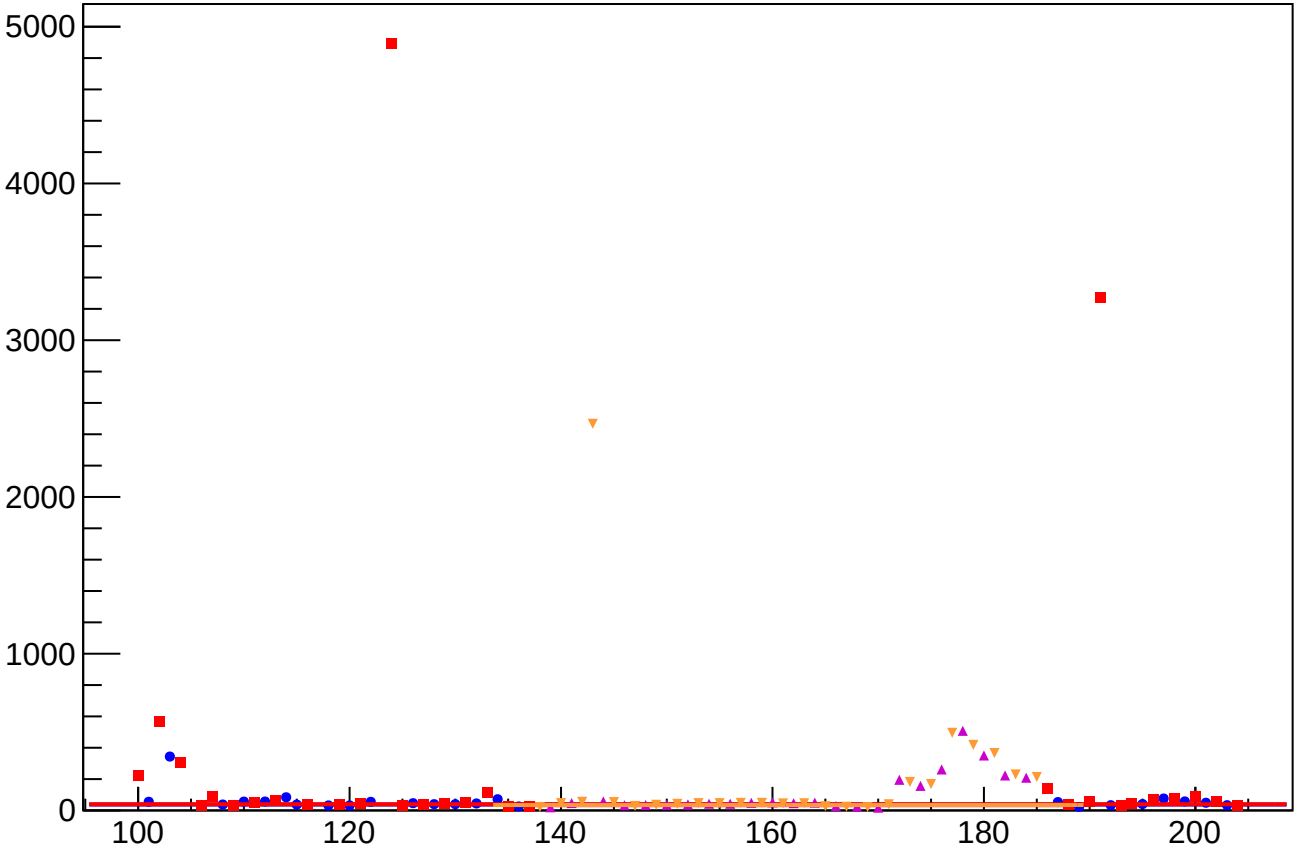
Right: 0.007+/-0.009 χ^2/NDF: 52.2/53

In: -0.008+/-0.008 χ^2/NDF:42.8/46

Out: 0.022+/-0.008 χ^2/NDF:44.9/54

All: 0.007+/-0.005 χ^2/NDF: 95.2/101

asym_at1_dd_at2_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.725+/-0.008 χ^2/NDF: 2983710.2/23

Left Out: 34.623+/-0.007 χ^2/NDF:11402566.2/24

Right Out: 39.592+/-0.009 χ^2/NDF: 5590871.4/29

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

Left: 34.095+/-0.005 χ^2/NDF: 21479175.2/47

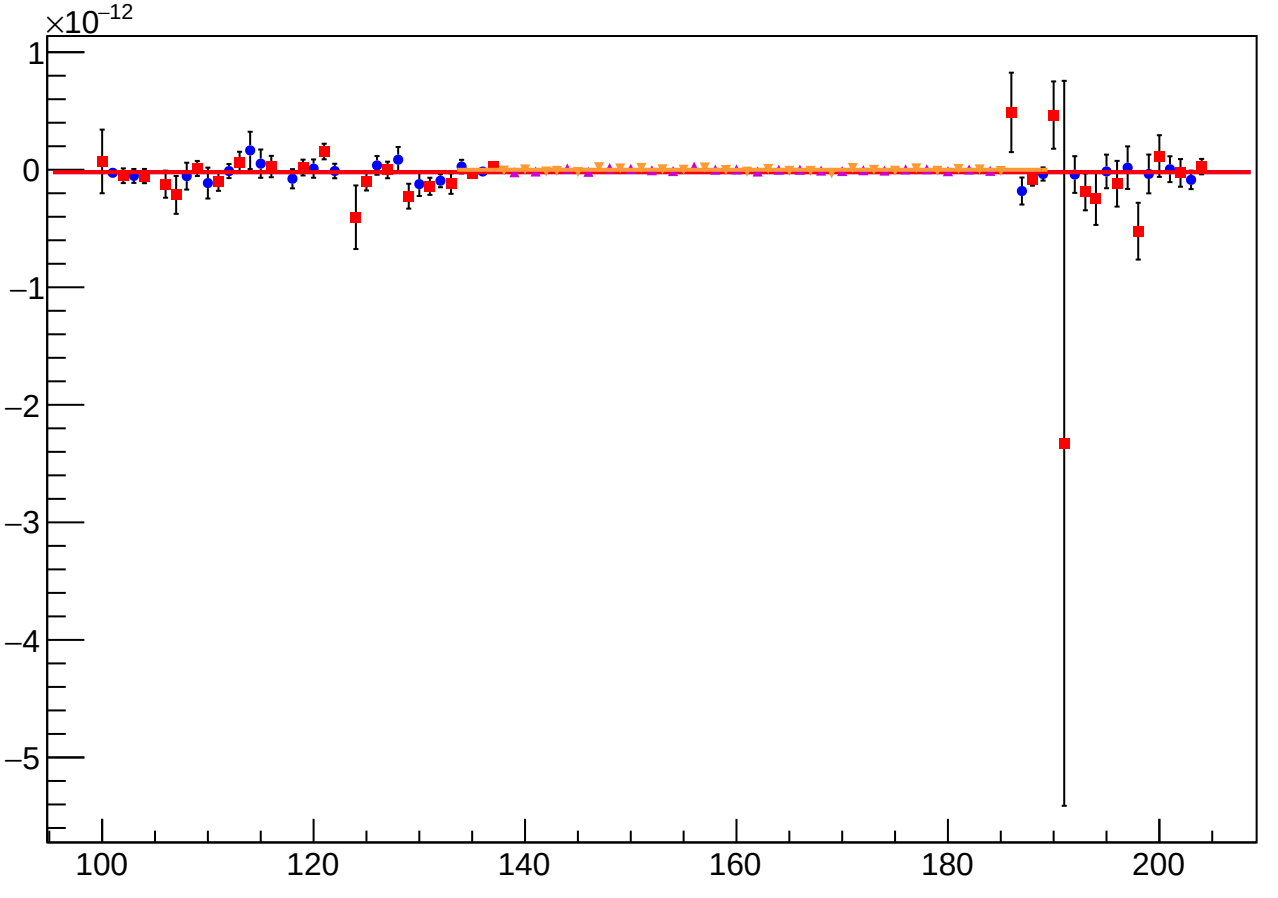
Right: 38.647+/-0.006 χ^2/NDF: 8598577.0/53

In: 35.279+/-0.005 χ^2/NDF:13190762.2/46

Out: 36.683+/-0.006 χ^2/NDF:17190097.0/54

All: 35.967+/-0.004 χ^2/NDF: 30413853.9/101

asym_at1_dd_at2_dd_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 11.2/23

Left Out: -0.000+/-0.000 χ^2/NDF:26.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 42.5/29

Left In: -0.000+/-0.000 χ^2/NDF:20.0/22

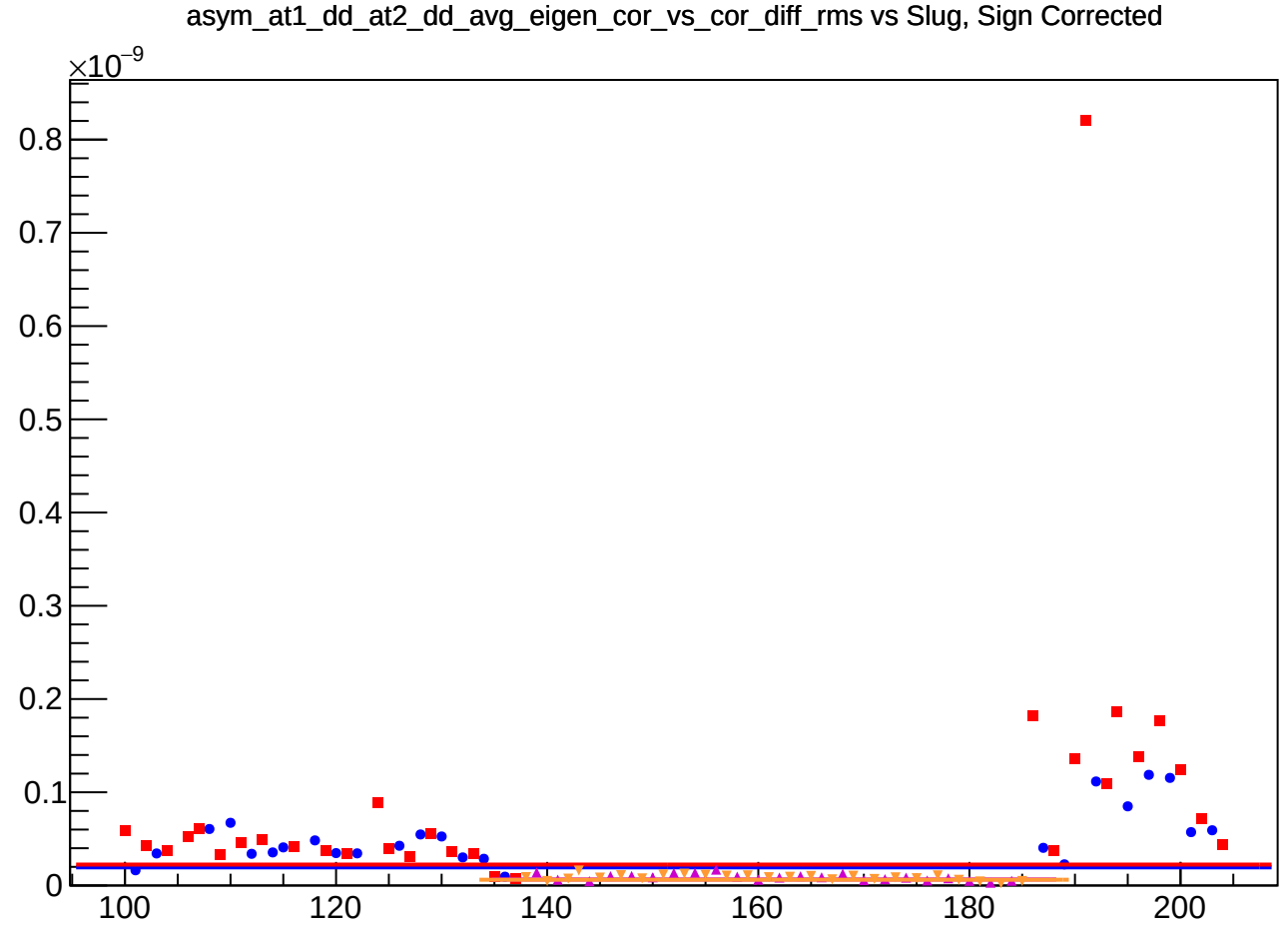
Left: -0.000+/-0.000 χ^2/NDF: 46.4/47

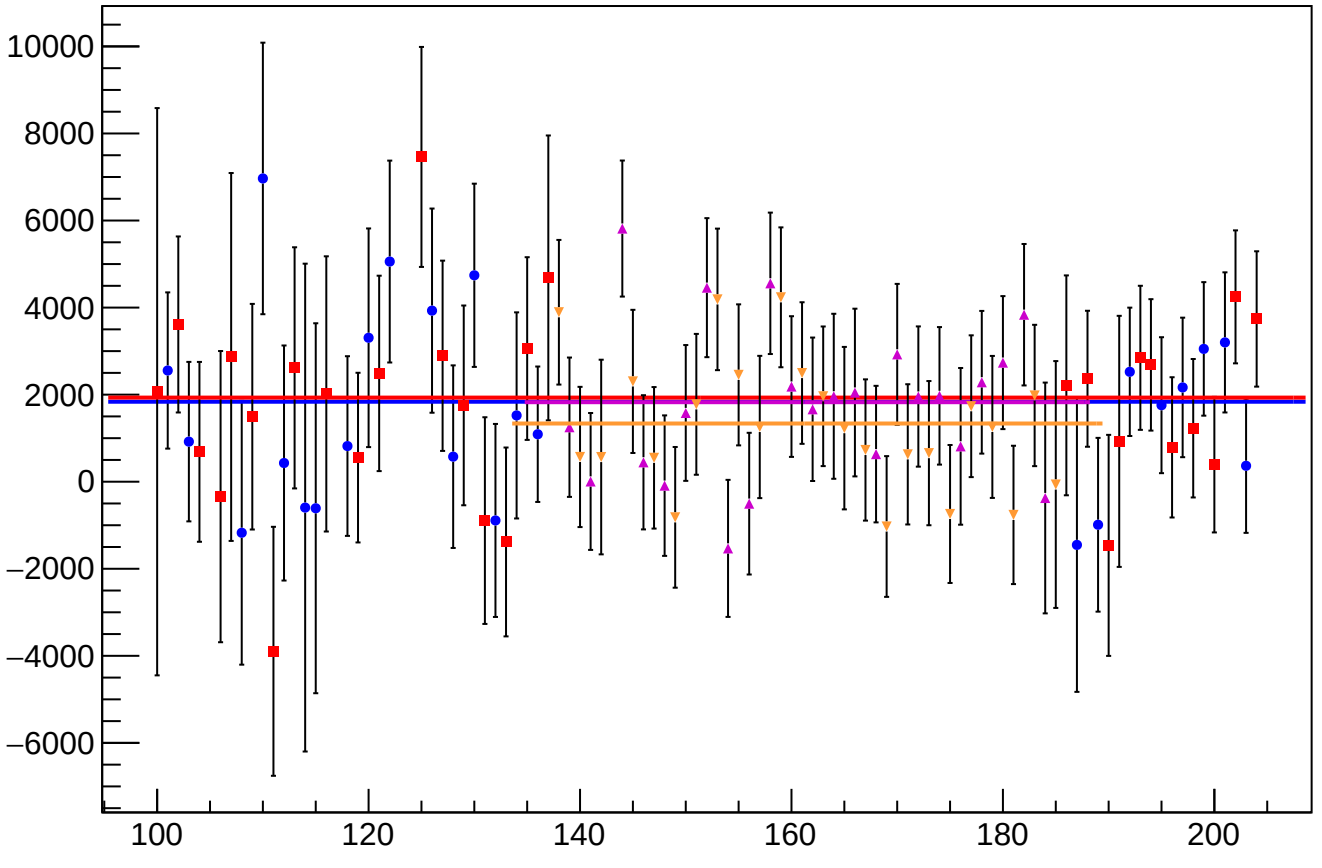
Right: -0.000+/-0.000 χ^2/NDF: 53.8/53

In: -0.000+/-0.000 χ^2/NDF:34.8/46

Out: -0.000+/-0.000 χ^2/NDF:72.2/54

All: -0.000+/-0.000 χ^2/NDF: 107.5/101


asym_at1_dd_at2_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 6551772.6/23
Left Out: 0.000+/-0.000 χ²/NDF:5077918.2/24
Right Out: 0.000+/-0.000 χ²/NDF: 9456195.6/29
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: 16096684.9/53
In: 0.000+/-0.000 χ²/NDF:14077566.3/46
Out: 0.000+/-0.000 χ²/NDF:19148722.8/54
All: 0.000+/-0.000 χ²/NDF: 33251367.1/101



Right In: 1837.387+/-412.237 χ^2/NDF: 17.7/23

Left Out: 1337.008+/-341.012 χ^2/NDF:19.2/23

Right Out: 1932.235+/-390.472 χ^2/NDF: 24.0/28

Left In: 1826.599+/-343.483 χ^2/NDF:26.5/22

Left: 1580.036+/-242.001 χ^2/NDF: 46.7/46

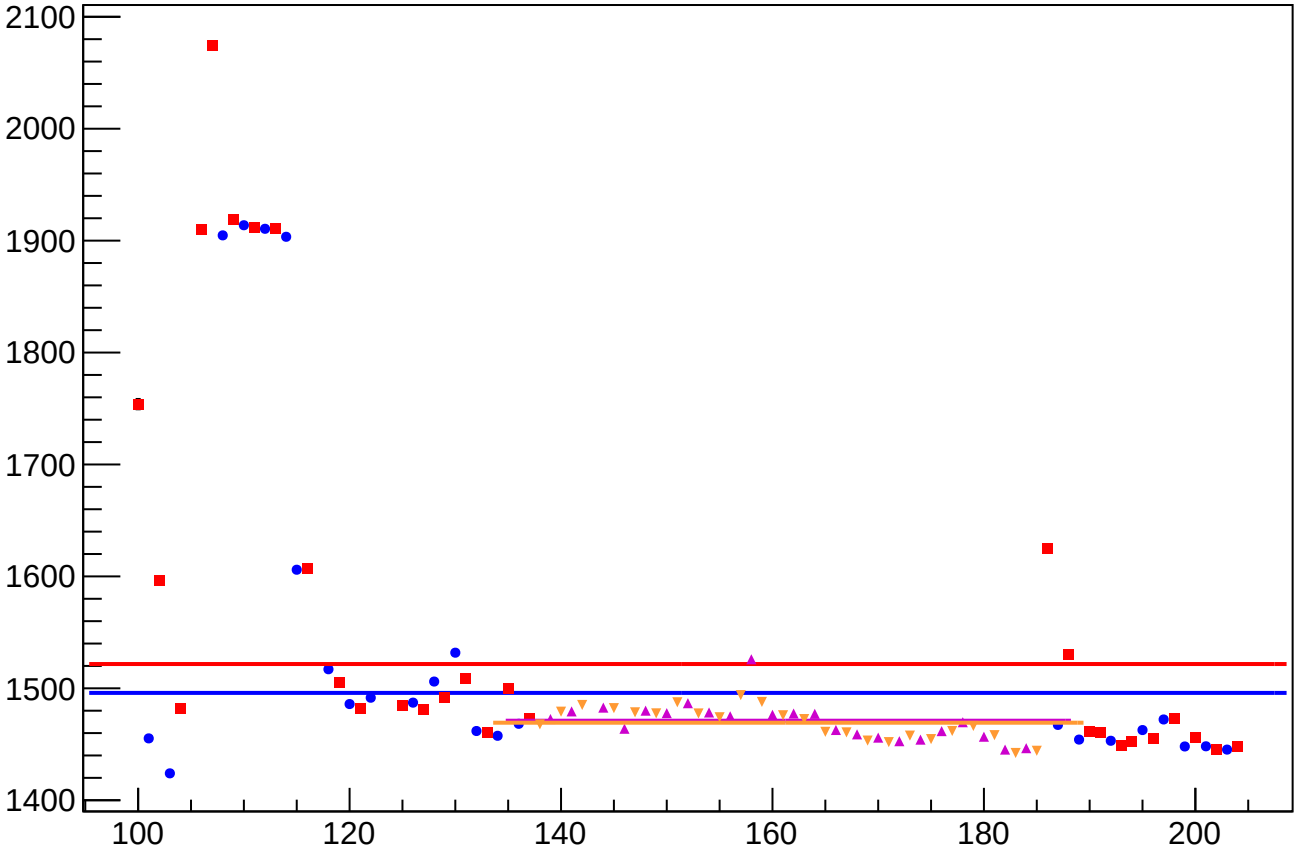
Right: 1887.380+/-283.488 χ^2/NDF: 41.7/52

In: 1831.019+/-263.886 χ^2/NDF:44.2/46

Out: 1594.558+/-256.850 χ^2/NDF:44.5/52

All: 1709.594+/-184.058 χ^2/NDF: 89.1/99

reg_asym_usl_atl1_avg_rms vs Slug, Sign Corrected



Right In: 1495.907+/-0.291 χ^2/NDF: 147939.0/23

Left Out: 1469.267+/-0.241 χ^2/NDF:3155.3/23

Right Out: 1521.700+/-0.276 χ^2/NDF: 228717.5/28

Left In: 1471.054+/-0.243 χ^2/NDF:4642.4/22

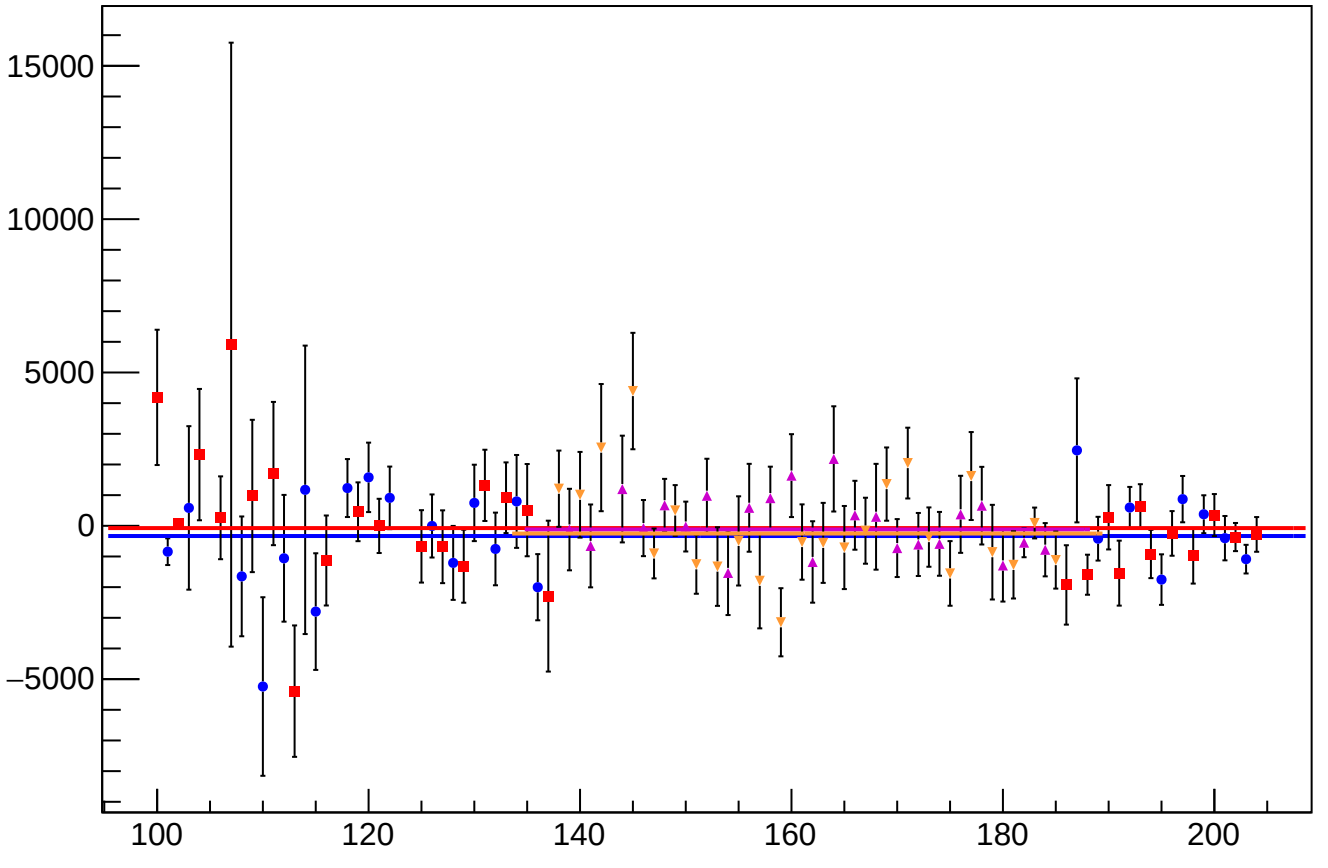
Left: 1470.154+/-0.171 χ^2/NDF: 7825.0/46

Right: 1509.503+/-0.200 χ^2/NDF: 380783.5/52

In: 1481.238+/-0.187 χ^2/NDF:156872.2/46

Out: 1491.954+/-0.182 χ^2/NDF:252332.0/52

All: 1486.741+/-0.130 χ^2/NDF: 410897.9/99



Right In: -332.757+/-181.997 χ^2/NDF: 31.0/23

Left Out: -251.610+/-218.369 χ^2/NDF:32.7/23

Right Out: -74.103+/-109.956 χ^2/NDF: 32.5/28

Left In: -119.802+/-215.975 χ^2/NDF:12.8/22

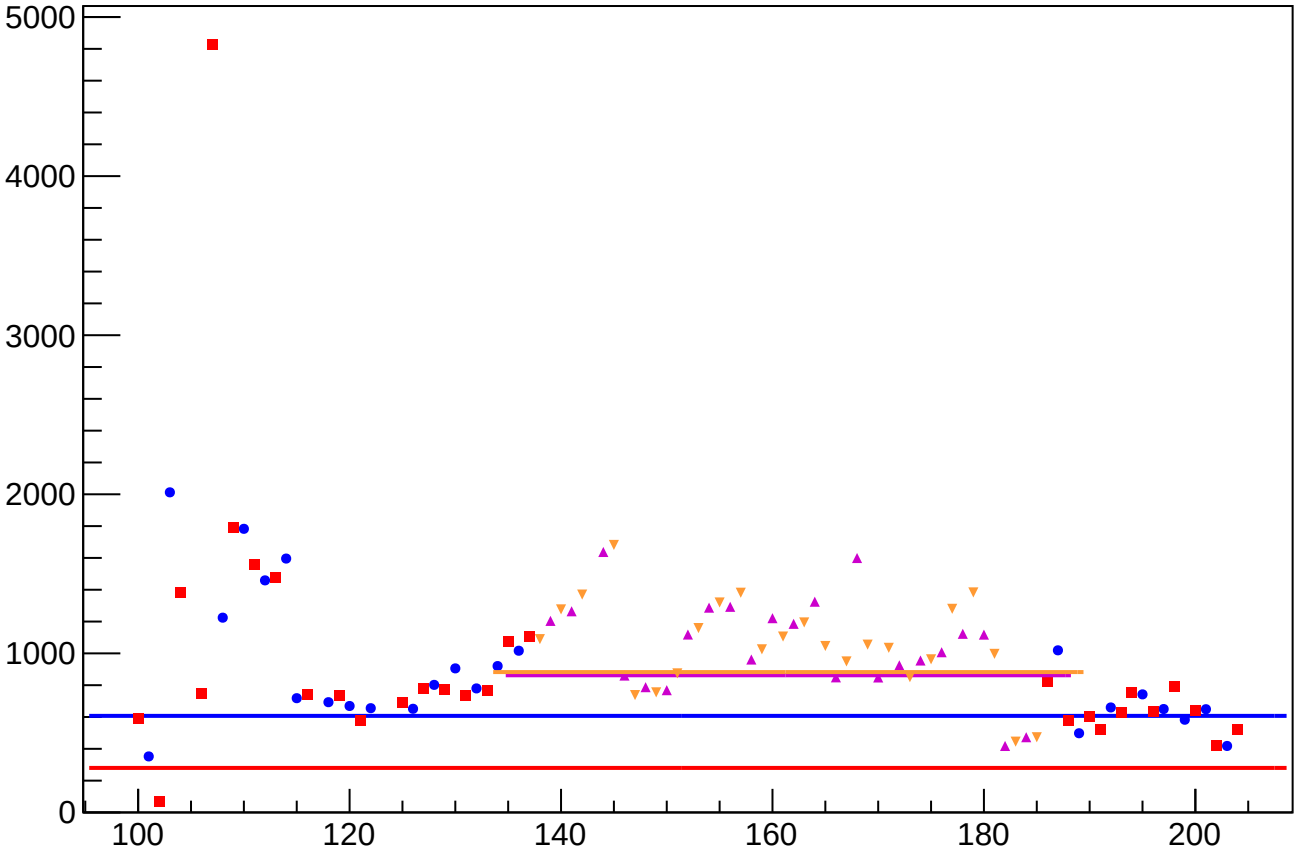
Left: -184.979+/-153.557 χ^2/NDF: 45.7/46

Right: -143.268+/-94.113 χ^2/NDF: 65.0/52

In: -244.329+/-139.172 χ^2/NDF:44.4/46

Out: -110.006+/-98.208 χ^2/NDF:65.7/52

All: -154.658+/-80.241 χ^2/NDF: 110.8/99



Right In: 607.148+/-0.129 χ^2/NDF: 3334540.4/23

Left Out: 882.430+/-0.154 χ^2/NDF:3901279.8/23

Right Out: 279.955+/-0.078 χ^2/NDF: 15586430.2/28

Left In: 862.298+/-0.153 χ^2/NDF:4369416.2/22

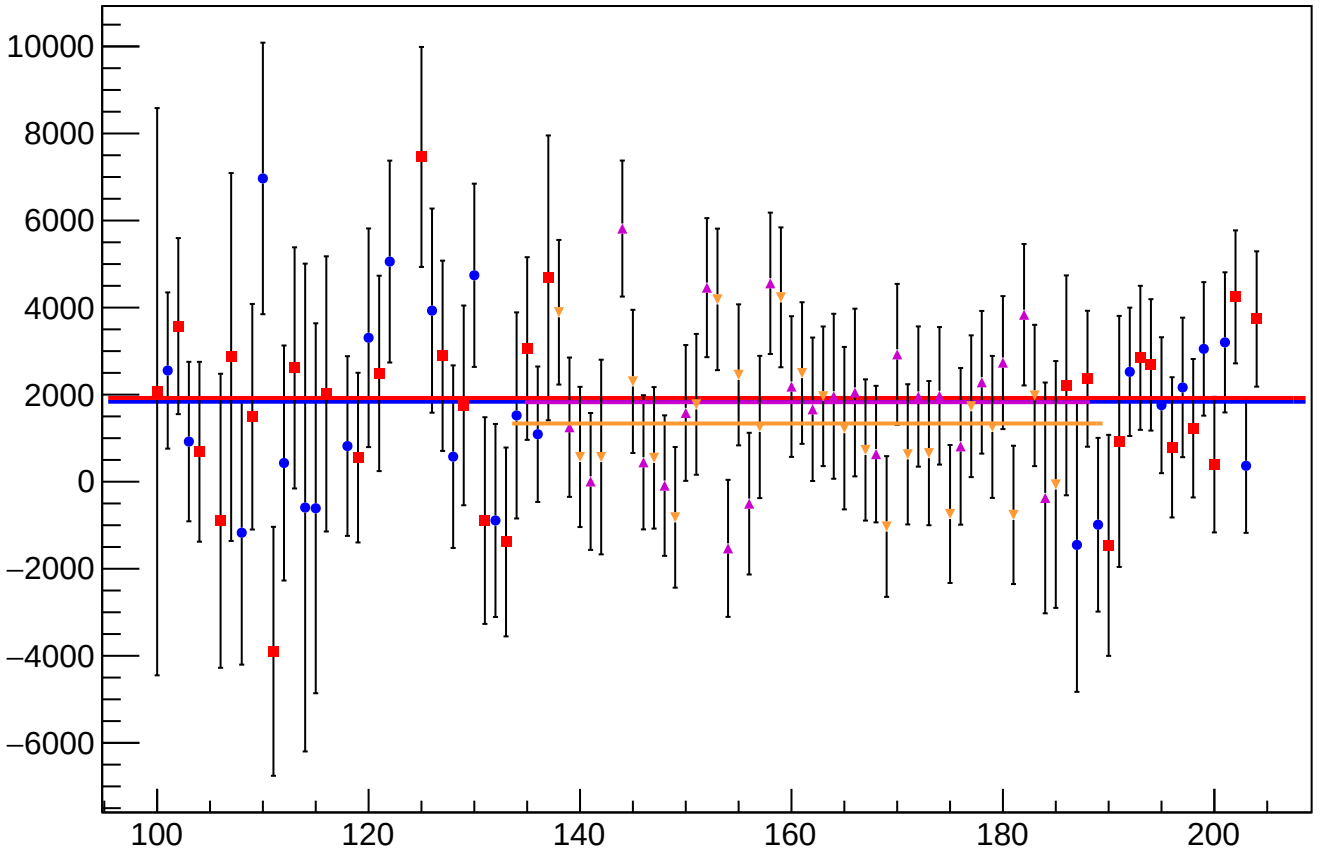
Left: 872.253+/-0.109 χ^2/NDF: 8279289.7/46

Right: 367.448+/-0.067 χ^2/NDF: 23656550.9/52

In: 713.096+/-0.098 χ^2/NDF:9336221.5/46

Out: 401.812+/-0.069 χ^2/NDF:31632383.2/52

All: 505.290+/-0.057 χ^2/NDF: 47648047.3/99



Right In: 1837.507+/-412.237 χ^2/NDF: 17.7/23

Left Out: 1337.018+/-341.012 χ^2/NDF:19.2/23

Right Out: 1923.967+/-390.525 χ^2/NDF: 24.2/28

Left In: 1826.644+/-343.483 χ^2/NDF:26.5/22

Left: 1580.064+/-242.001 χ^2/NDF: 46.7/46

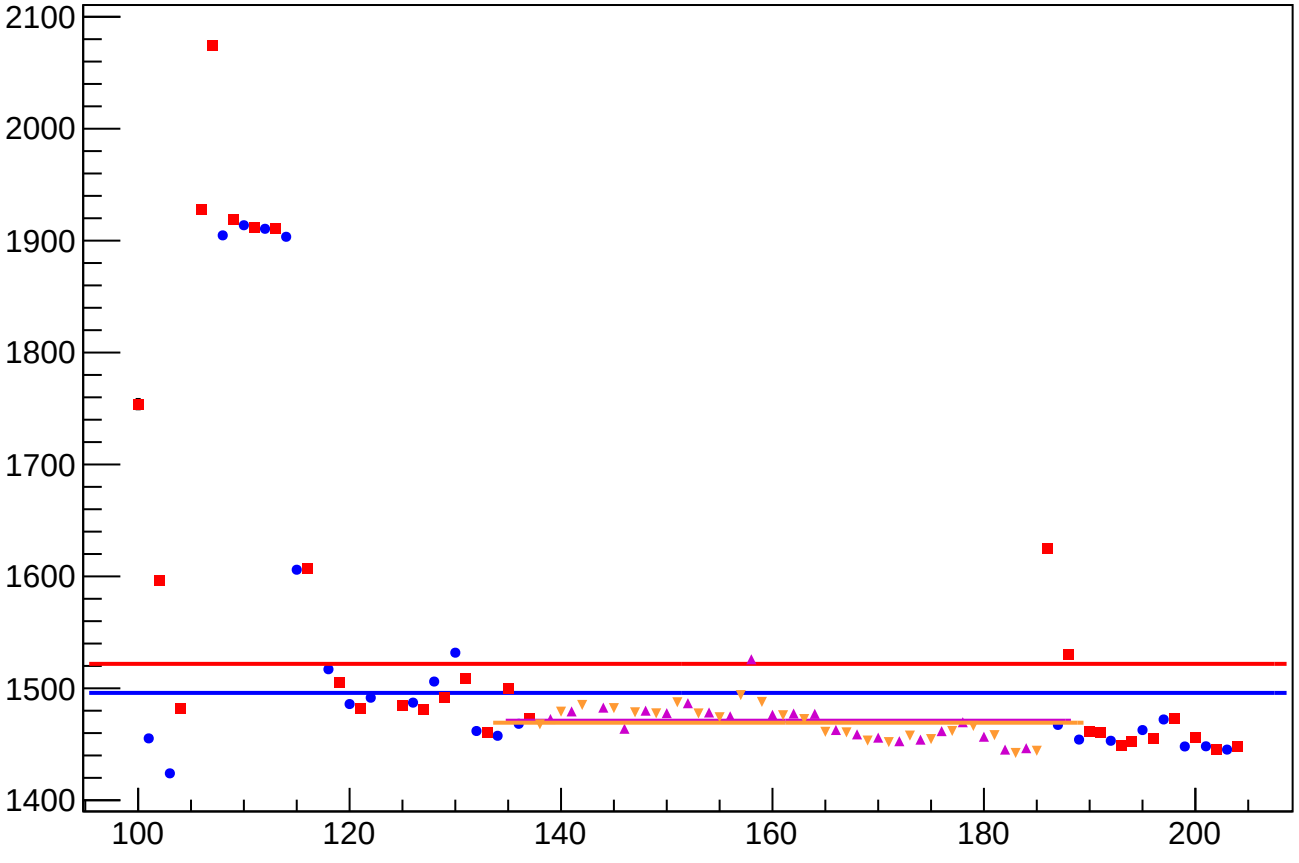
Right: 1883.074+/-283.508 χ^2/NDF: 41.9/52

In: 1831.095+/-263.886 χ^2/NDF:44.2/46

Out: 1590.948+/-256.865 χ^2/NDF:44.7/52

All: 1707.784+/-184.063 χ^2/NDF: 89.3/99

cor_asym_usl_atl1_avg_rms vs Slug, Sign Corrected



Right In: 1495.907+/-0.291 χ^2/NDF: 147939.0/23

Left Out: 1469.267+/-0.241 χ^2/NDF:3155.3/23

Right Out: 1521.851+/-0.276 χ^2/NDF: 230772.6/28

Left In: 1471.054+/-0.243 χ^2/NDF:4642.4/22

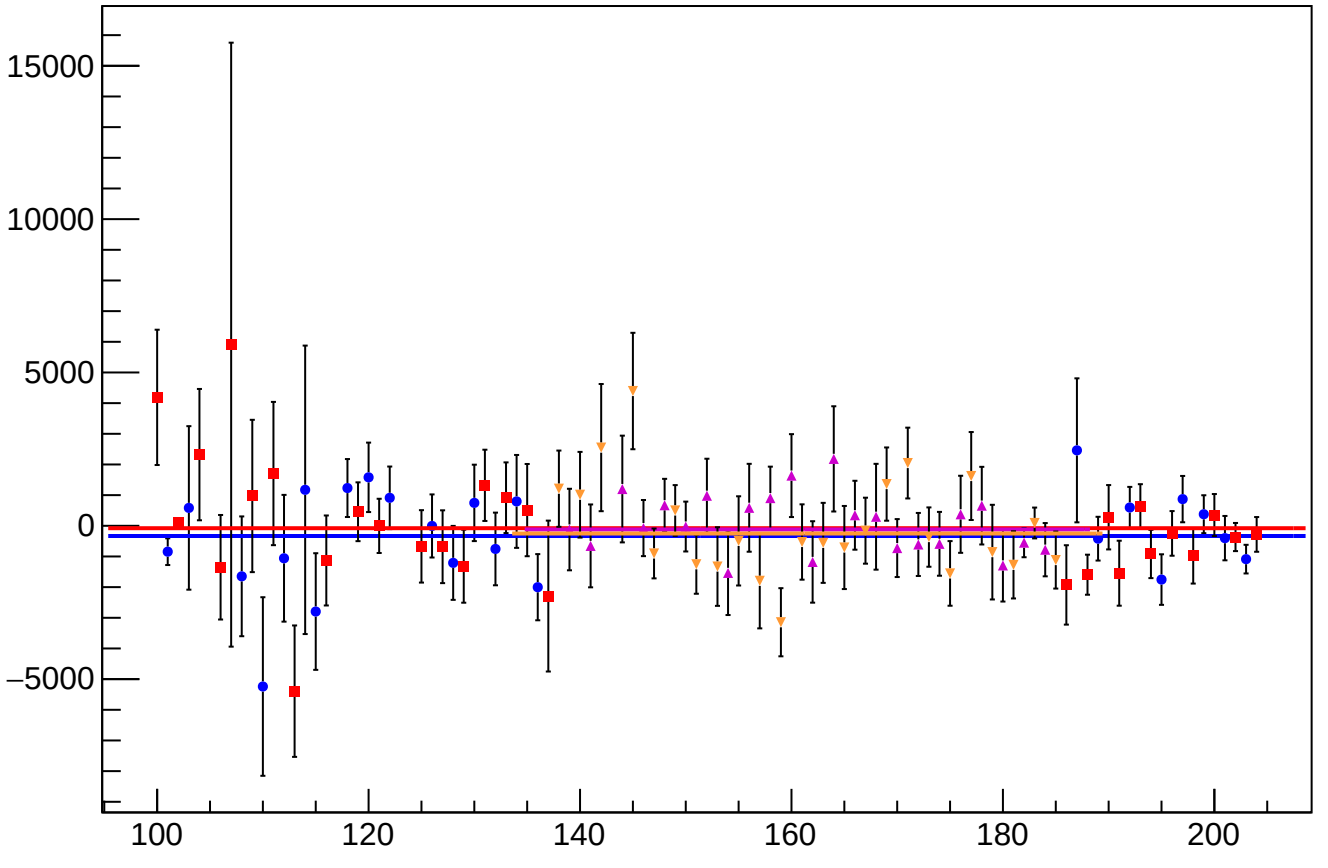
Left: 1470.154+/-0.171 χ^2/NDF: 7825.0/46

Right: 1509.581+/-0.200 χ^2/NDF: 382886.4/52

In: 1481.238+/-0.187 χ^2/NDF:156872.1/46

Out: 1492.016+/-0.182 χ^2/NDF:254502.0/52

All: 1486.772+/-0.130 χ^2/NDF: 413087.3/99



Right In: -332.641+/-181.995 χ^2/NDF: 31.0/23

Left Out: -251.589+/-218.368 χ^2/NDF:32.7/23

Right Out: -78.419+/-116.409 χ^2/NDF: 33.3/28

Left In: -119.845+/-215.975 χ^2/NDF:12.8/22

Left: -184.992+/-153.556 χ^2/NDF: 45.7/46

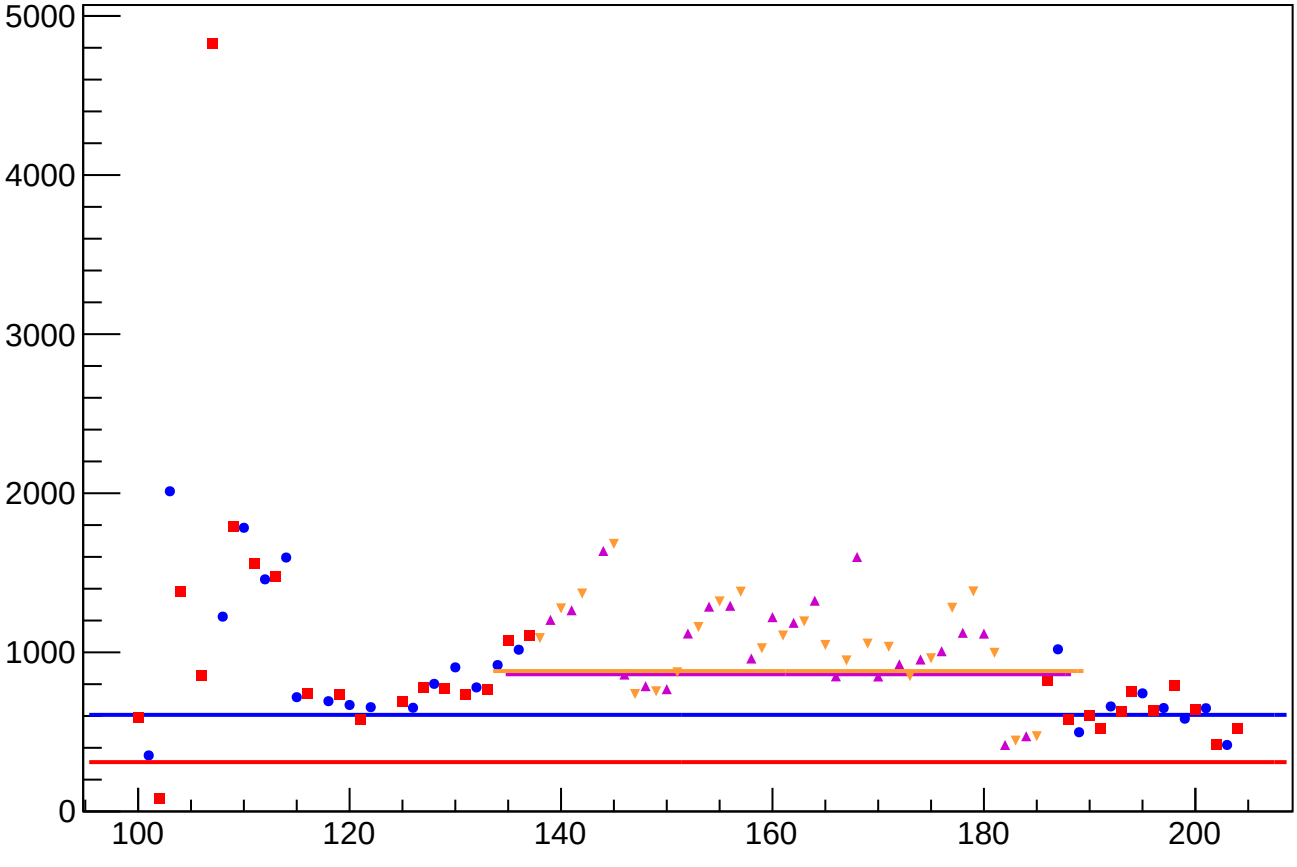
Right: -152.229+/-98.064 χ^2/NDF: 65.7/52

In: -244.281+/-139.171 χ^2/NDF:44.4/46

Out: -116.740+/-102.724 χ^2/NDF:66.5/52

All: -161.720+/-82.649 χ^2/NDF: 111.4/99

asym_usl_atl1_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 607.134+/-0.129 χ^2/NDF: 3334836.6/23

Left Out: 882.419+/-0.154 χ^2/NDF:3901620.8/23

Right Out: 310.008+/-0.082 χ^2/NDF: 14304287.6/28

Left In: 862.300+/-0.153 χ^2/NDF:4369426.7/22

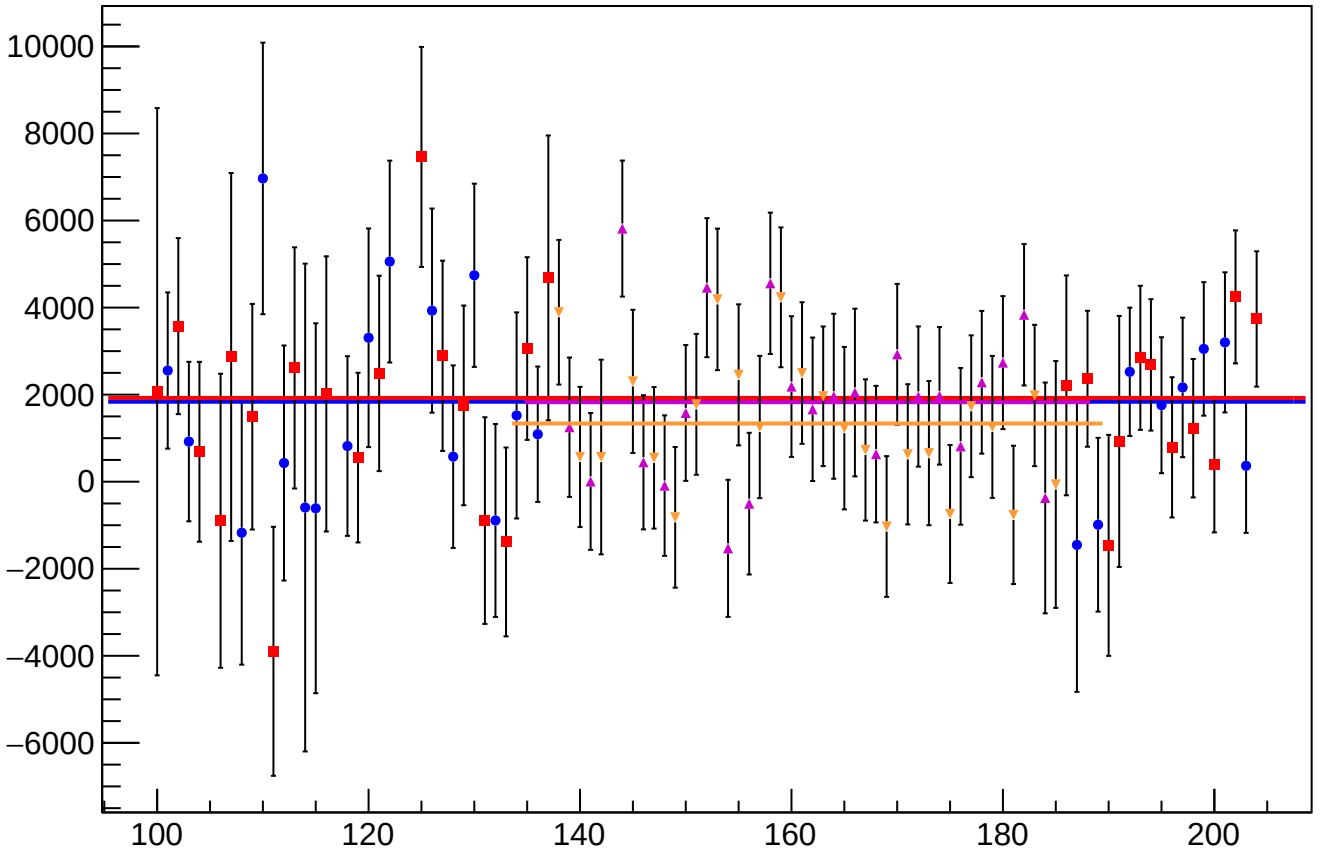
Left: 872.249+/-0.109 χ^2/NDF: 8279630.1/46

Right: 396.275+/-0.069 χ^2/NDF: 21422196.0/52

In: 713.087+/-0.098 χ^2/NDF:9336750.2/46

Out: 436.679+/-0.073 χ^2/NDF:28907369.0/52

All: 534.160+/-0.058 χ^2/NDF: 43351001.5/99



Right In: 1837.507+/-412.237 χ^2/NDF: 17.7/23

Left Out: 1337.018+/-341.012 χ^2/NDF:19.2/23

Right Out: 1923.967+/-390.525 χ^2/NDF: 24.2/28

Left In: 1826.644+/-343.483 χ^2/NDF:26.5/22

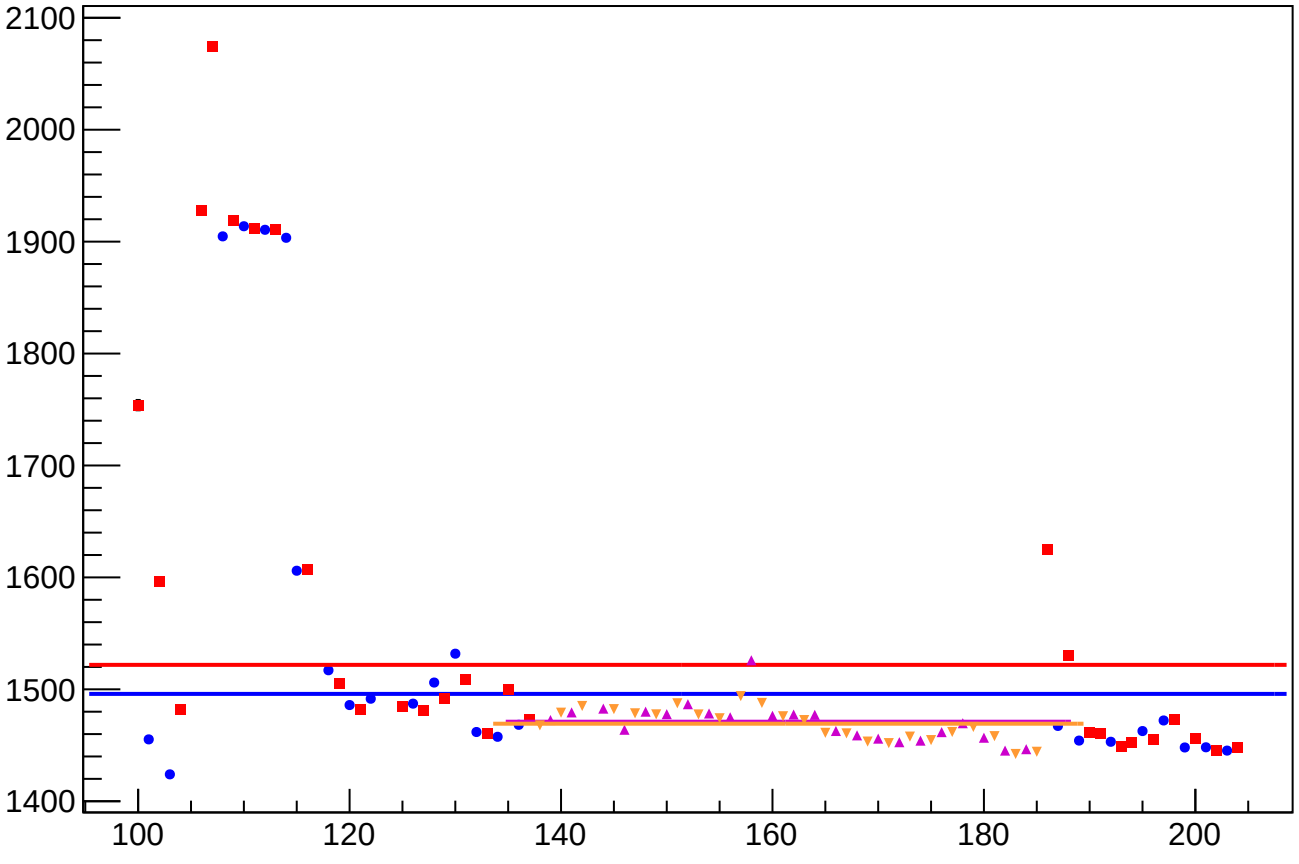
Left: 1580.064+/-242.001 χ^2/NDF: 46.7/46

Right: 1883.074+/-283.508 χ^2/NDF: 41.9/52

In: 1831.095+/-263.886 χ^2/NDF:44.2/46

Out: 1590.948+/-256.865 χ^2/NDF:44.7/52

All: 1707.784+/-184.063 χ^2/NDF: 89.3/99



Right In: 1495.907+/-0.291 χ^2/NDF: 147939.0/23

Left Out: 1469.267+/-0.241 χ^2/NDF:3155.3/23

Right Out: 1521.851+/-0.276 χ^2/NDF: 230772.6/28

Left In: 1471.054+/-0.243 χ^2/NDF:4642.4/22

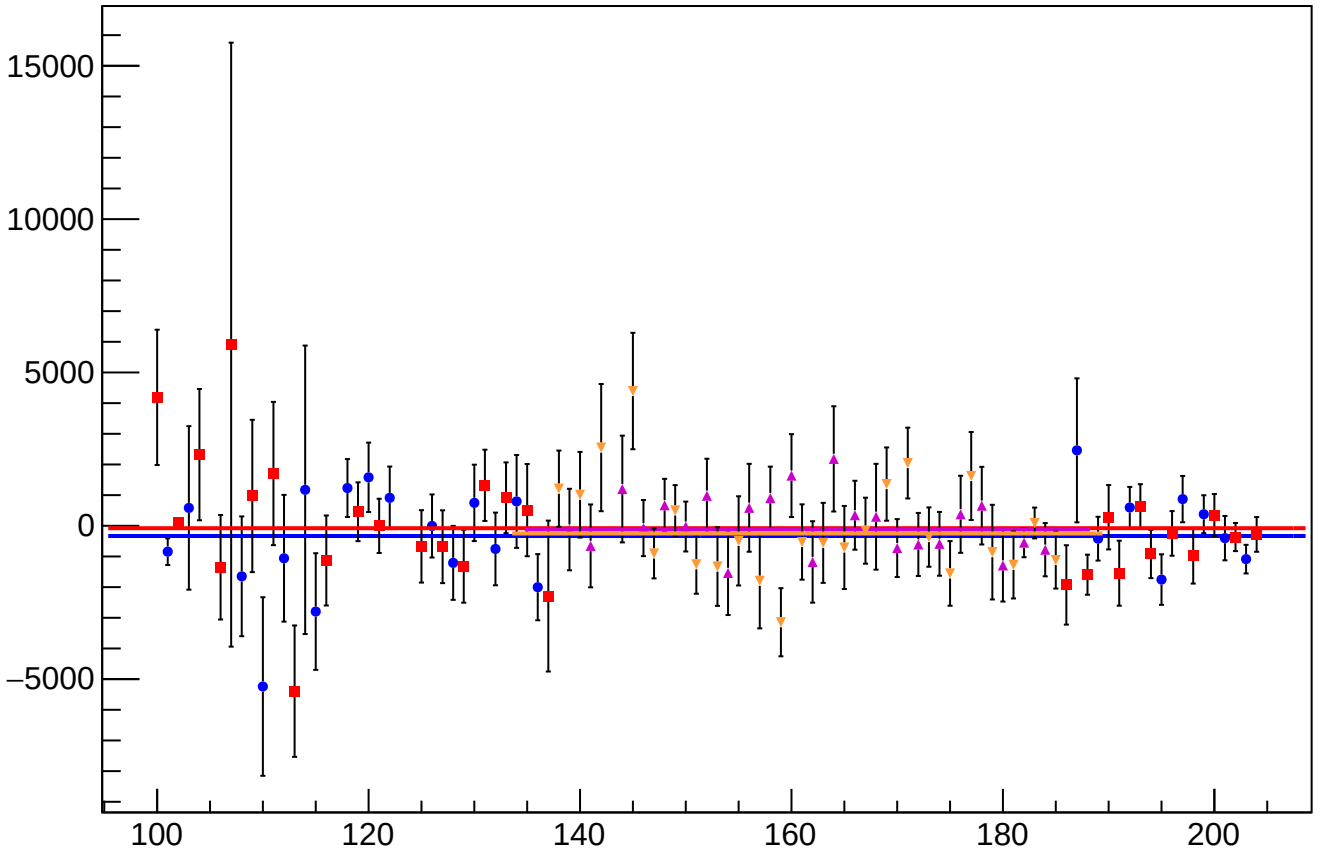
Left: 1470.154+/-0.171 χ^2/NDF: 7825.0/46

Right: 1509.581+/-0.200 χ^2/NDF: 382886.4/52

In: 1481.238+/-0.187 χ^2/NDF:156872.1/46

Out: 1492.016+/-0.182 χ^2/NDF:254502.0/52

All: 1486.772+/-0.130 χ^2/NDF: 413087.3/99



Right In: -332.641+/-181.995 χ^2/NDF: 31.0/23

Left Out: -251.589+/-218.368 χ^2/NDF:32.7/23

Right Out: -78.419+/-116.409 χ^2/NDF: 33.3/28

Left In: -119.845+/-215.975 χ^2/NDF:12.8/22

Left: -184.992+/-153.556 χ^2/NDF: 45.7/46

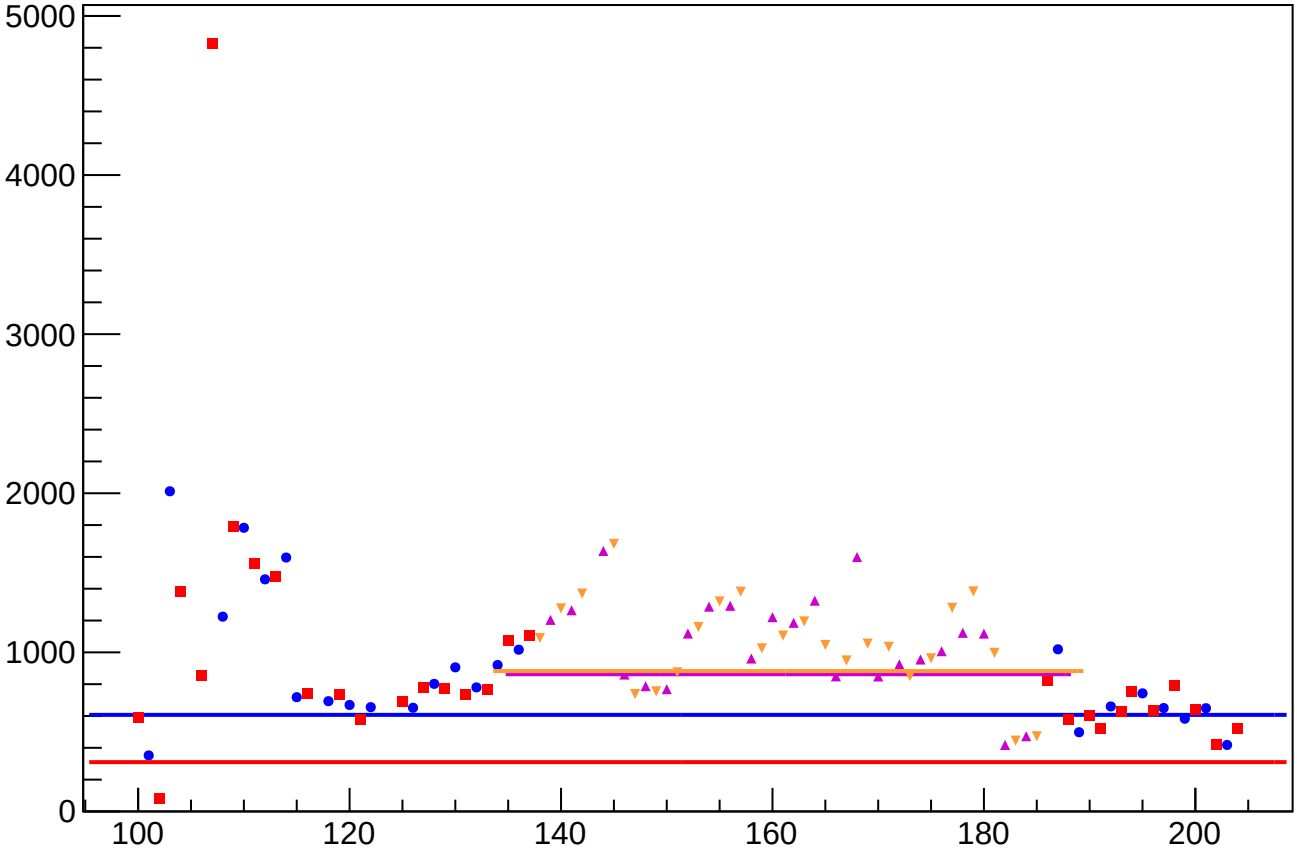
Right: -152.229+/-98.064 χ^2/NDF: 65.7/52

In: -244.281+/-139.171 χ^2/NDF:44.4/46

Out: -116.740+/-102.724 χ^2/NDF:66.5/52

All: -161.720+/-82.649 χ^2/NDF: 111.4/99

asym_usl_atl1_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 607.134+/-0.129 χ^2/NDF: 3334836.6/23

Left Out: 882.419+/-0.154 χ^2/NDF:3901620.8/23

Right Out: 310.008+/-0.082 χ^2/NDF: 14304287.6/28

Left In: 862.300+/-0.153 χ^2/NDF:4369426.7/22

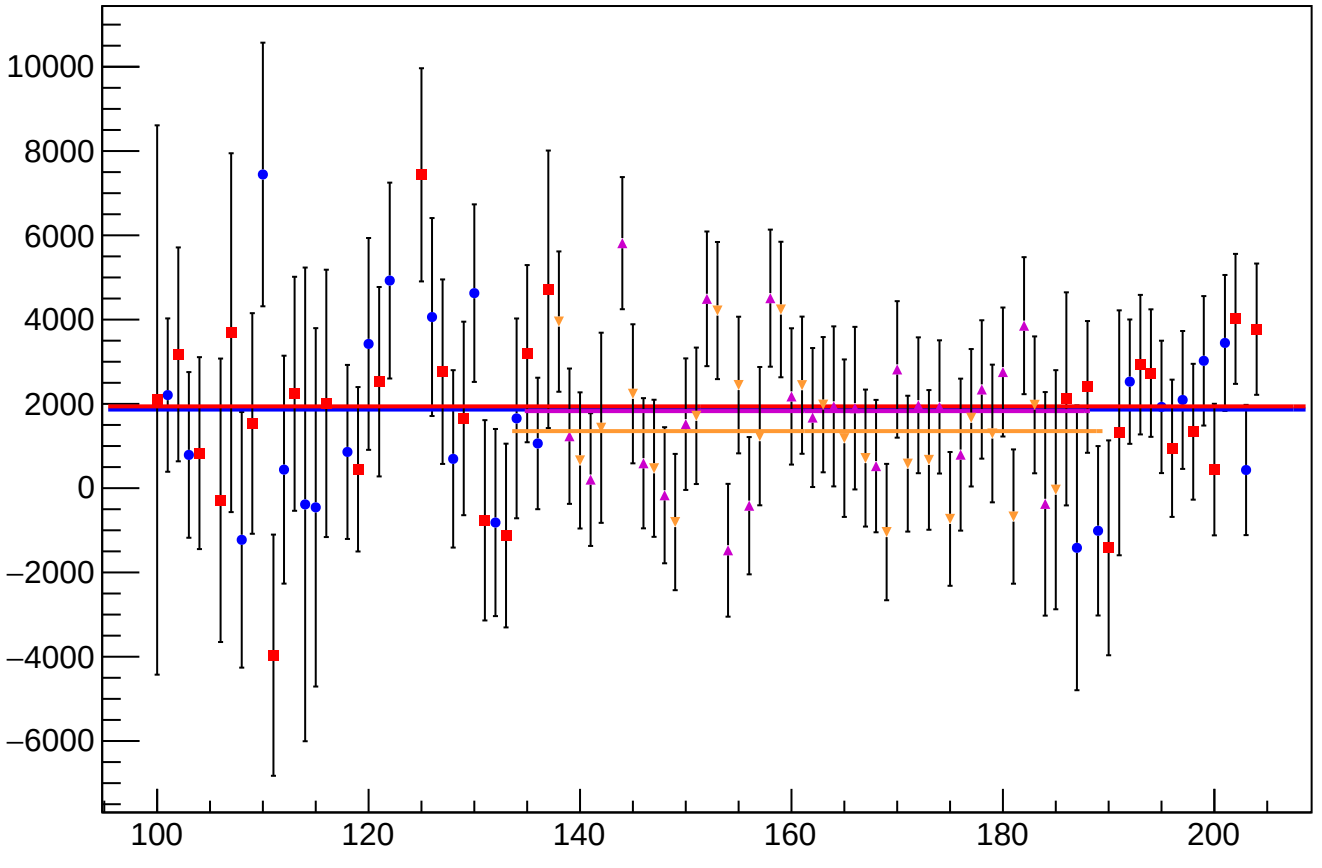
Left: 872.249+/-0.109 χ^2/NDF: 8279630.1/46

Right: 396.275+/-0.069 χ^2/NDF: 21422196.0/52

In: 713.087+/-0.098 χ^2/NDF:9336750.2/46

Out: 436.679+/-0.073 χ^2/NDF:28907369.0/52

All: 534.160+/-0.058 χ^2/NDF: 43351001.5/99



Right In: 1865.194+/-415.322 χ^2/NDF: 17.9/23

Left Out: 1353.686+/-341.570 χ^2/NDF:18.9/23

Right Out: 1940.869+/-395.973 χ^2/NDF: 22.4/28

Left In: 1828.250+/-343.952 χ^2/NDF:25.8/22

Left: 1589.318+/-242.364 χ^2/NDF: 45.7/46

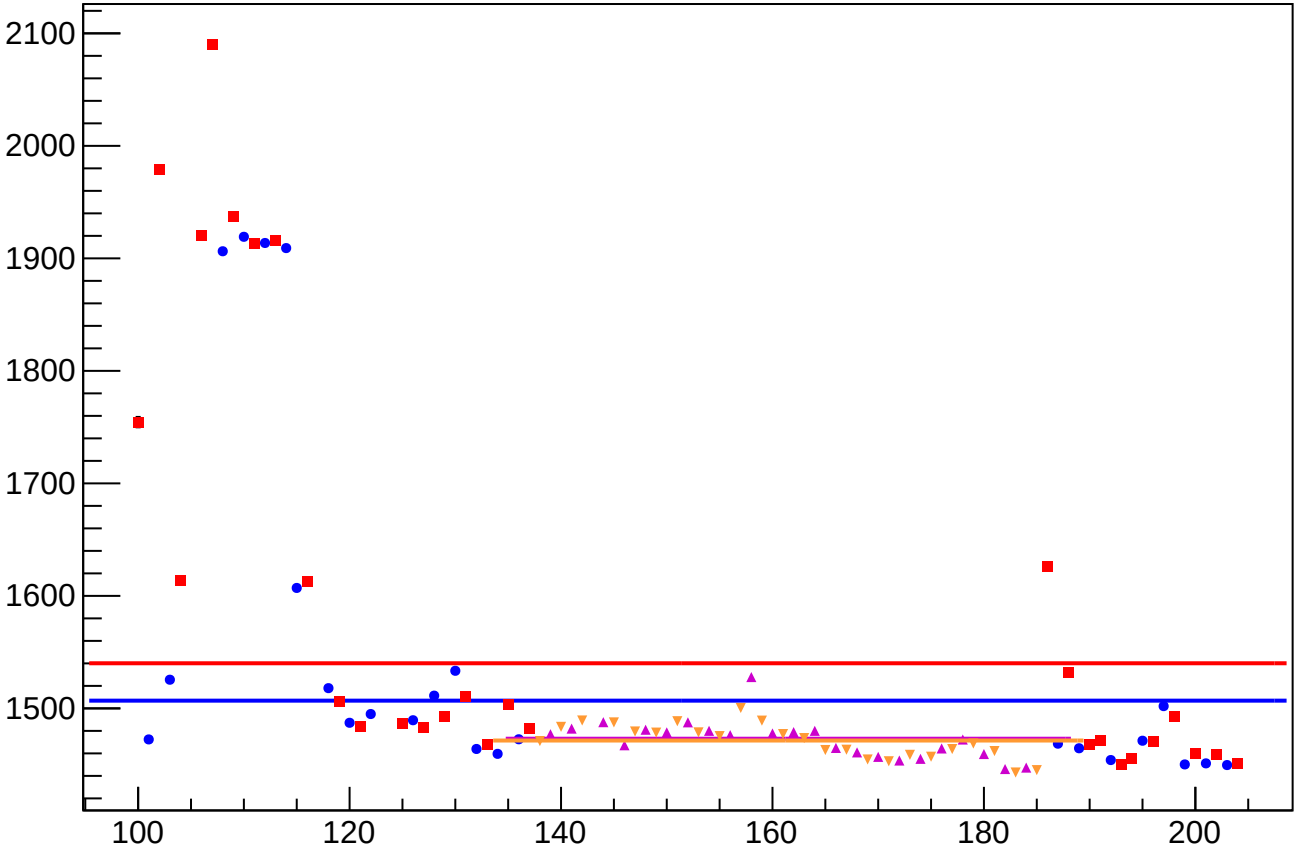
Right: 1904.835+/-286.591 χ^2/NDF: 40.3/52

In: 1843.280+/-264.904 χ^2/NDF:43.7/46

Out: 1604.199+/-258.639 χ^2/NDF:42.6/52

All: 1720.879+/-185.061 χ^2/NDF: 86.7/99

dit_asym_usl_atl1_avg_rms vs Slug, Sign Corrected



Right In: 1506.880+/-0.294 χ^2/NDF: 142734.0/23

Left Out: 1471.437+/-0.242 χ^2/NDF:3436.8/23

Right Out: 1540.109+/-0.280 χ^2/NDF: 289487.9/28

Left In: 1473.049+/-0.243 χ^2/NDF:4751.3/22

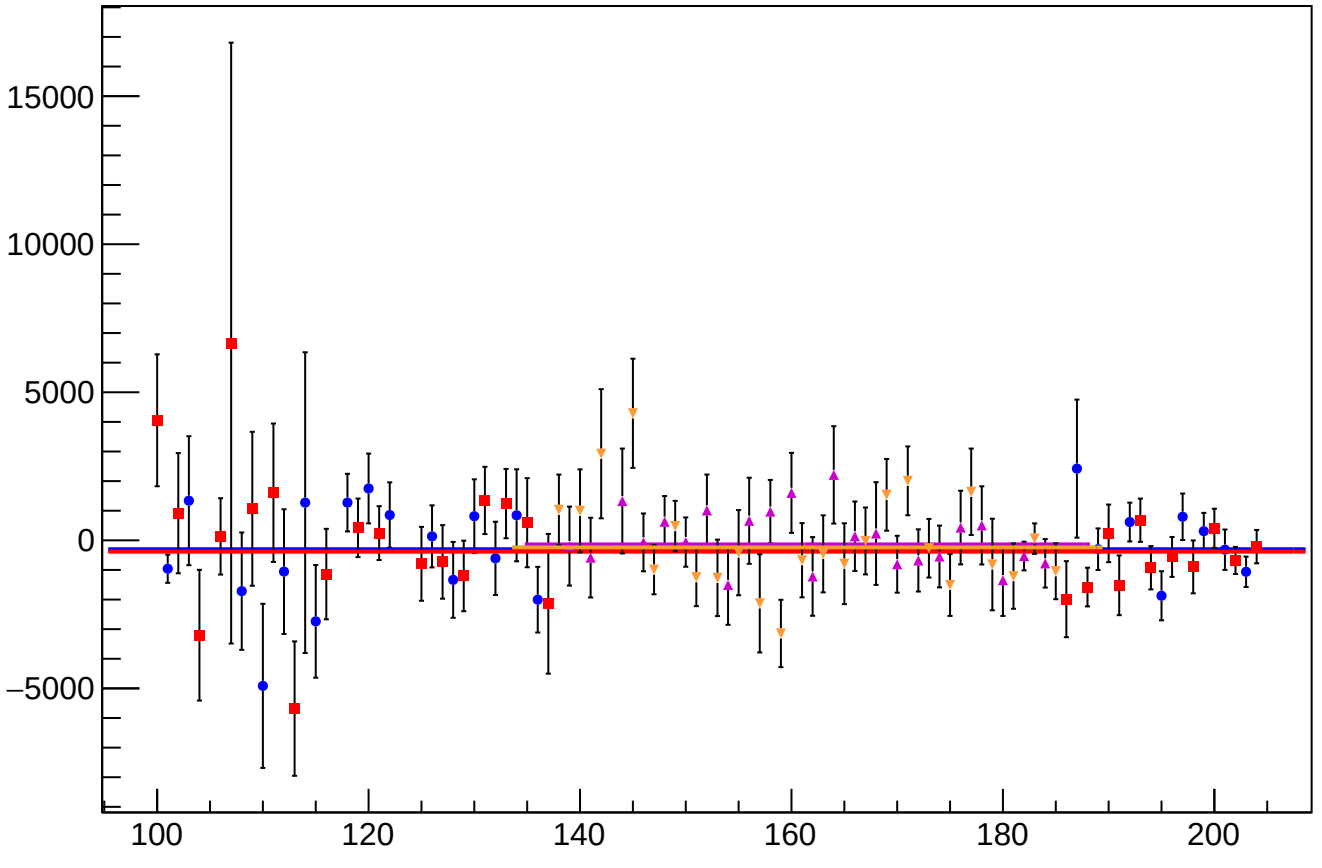
Left: 1472.237+/-0.171 χ^2/NDF: 8210.2/46

Right: 1524.287+/-0.203 χ^2/NDF: 438927.9/52

In: 1486.812+/-0.187 χ^2/NDF:155357.4/46

Out: 1500.735+/-0.183 χ^2/NDF:327414.1/52

All: 1493.940+/-0.131 χ^2/NDF: 485599.7/99



Right In: -301.424+/-187.745 χ^2/NDF: 31.0/23

Left Out: -240.267+/-221.787 χ^2/NDF:32.4/23

Right Out: -381.559+/-179.697 χ^2/NDF: 32.0/28

Left In: -138.421+/-218.478 χ^2/NDF:13.0/22

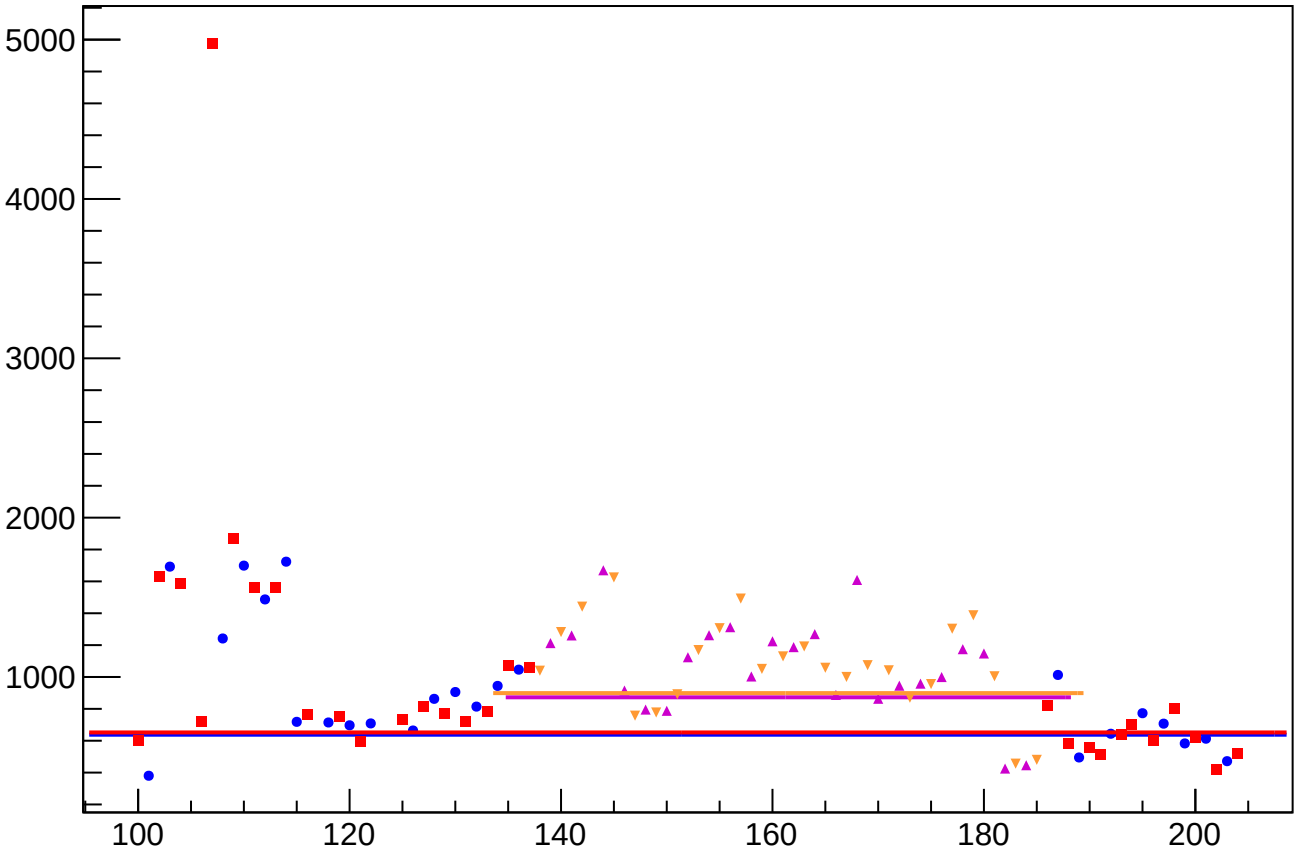
Left: -188.579+/-155.644 χ^2/NDF: 45.5/46

Right: -343.246+/-129.817 χ^2/NDF: 63.1/52

In: -232.184+/-142.393 χ^2/NDF:44.3/46

Out: -325.564+/-139.621 χ^2/NDF:64.7/52

All: -279.792+/-99.692 χ^2/NDF: 109.2/99



Right In: 637.814+/-0.133 χ^2/NDF: 2953968.4/23

Left Out: 898.849+/-0.157 χ^2/NDF:3791528.8/23

Right Out: 651.981+/-0.127 χ^2/NDF: 3447655.7/28

Left In: 872.472+/-0.154 χ^2/NDF:4435516.3/22

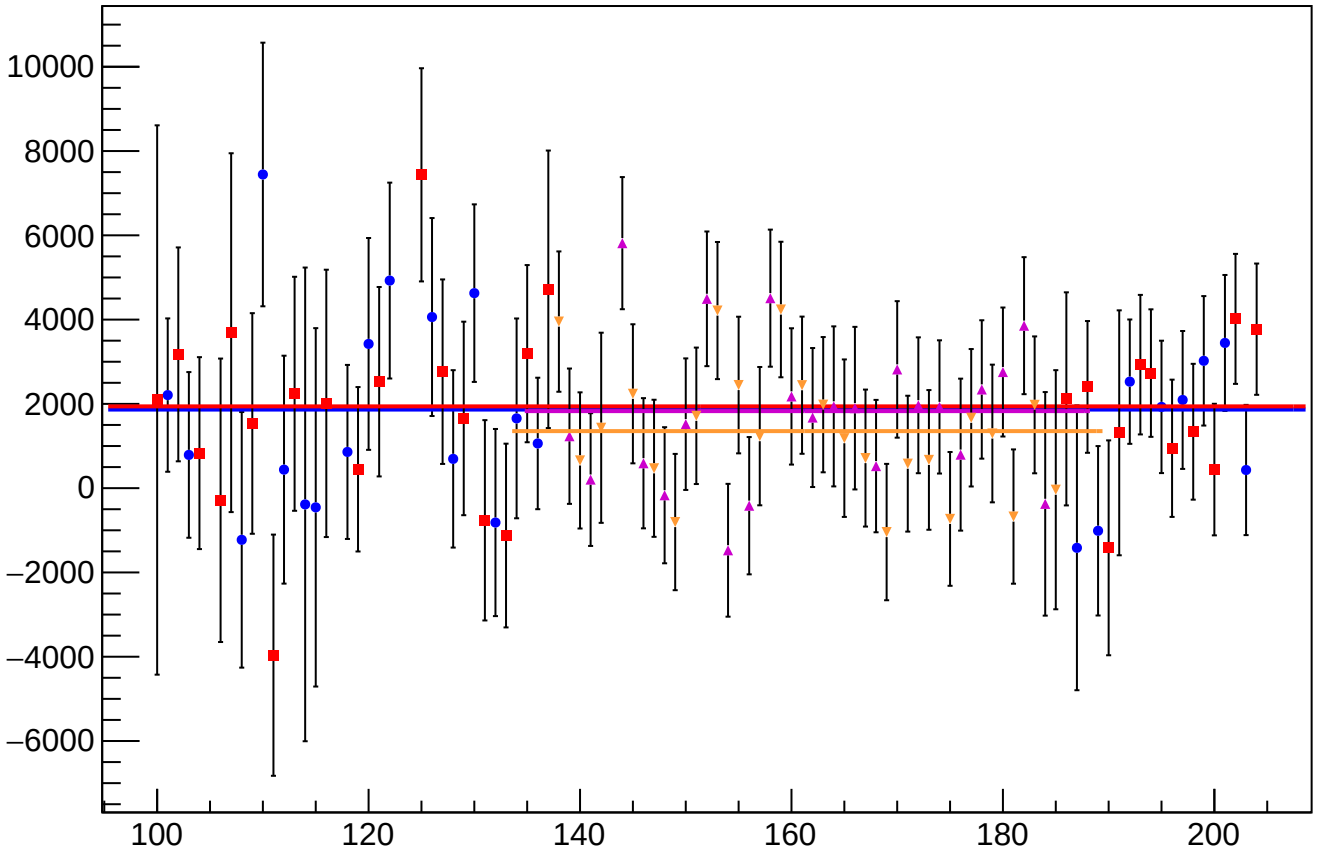
Left: 885.462+/-0.110 χ^2/NDF: 8241401.5/46

Right: 645.207+/-0.092 χ^2/NDF: 6407567.5/52

In: 737.491+/-0.101 χ^2/NDF:8716649.6/46

Out: 749.815+/-0.099 χ^2/NDF:8735092.7/52

All: 743.774+/-0.070 χ^2/NDF: 17459381.1/99



Right In: 1865.193+/-415.322 χ^2/NDF: 17.9/23

Left Out: 1353.684+/-341.570 χ^2/NDF:18.9/23

Right Out: 1940.867+/-395.973 χ^2/NDF: 22.4/28

Left In: 1828.250+/-343.952 χ^2/NDF:25.8/22

Left: 1589.318+/-242.364 χ^2/NDF: 45.7/46

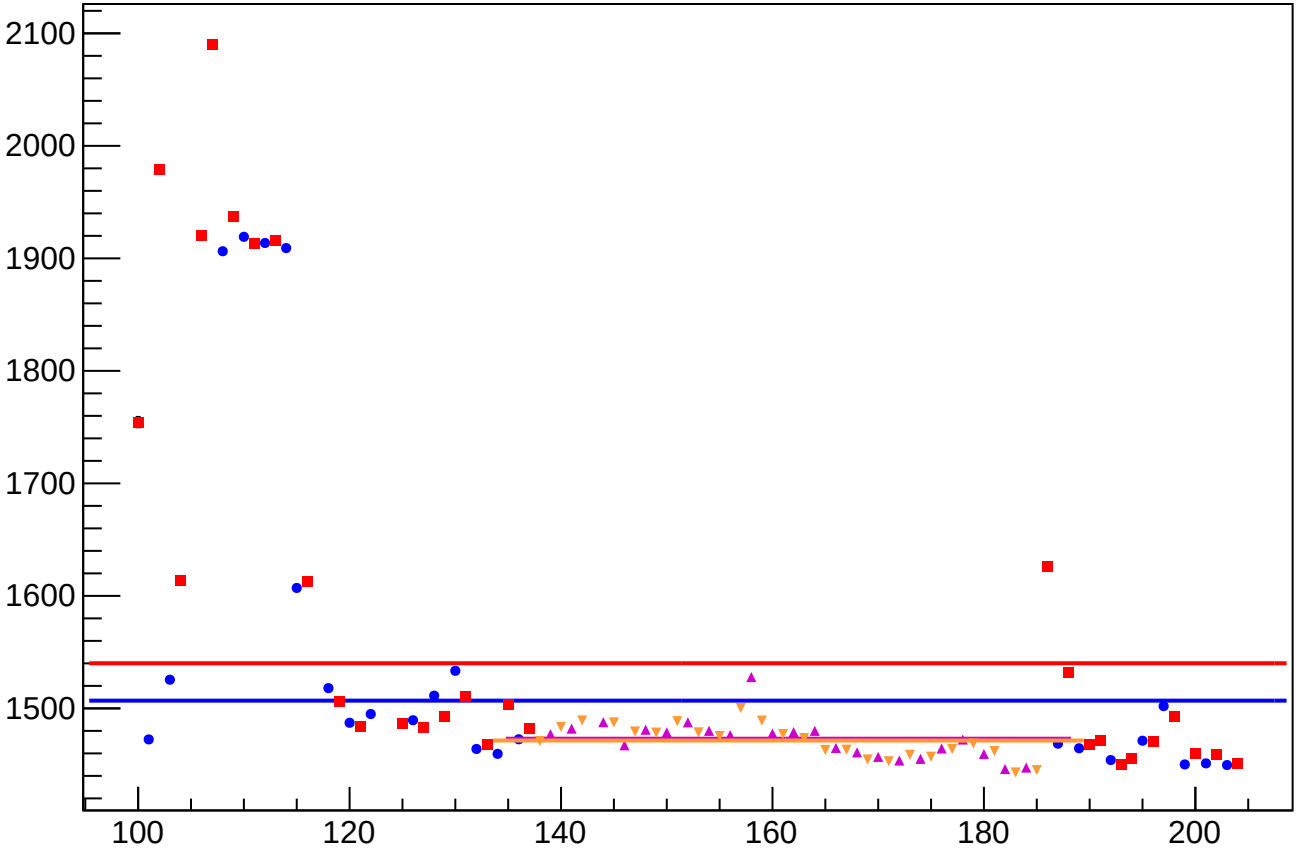
Right: 1904.834+/-286.591 χ^2/NDF: 40.3/52

In: 1843.280+/-264.904 χ^2/NDF:43.7/46

Out: 1604.198+/-258.639 χ^2/NDF:42.6/52

All: 1720.878+/-185.061 χ^2/NDF: 86.7/99

eigen_dit_asym_usl_atl1_avg_rms vs Slug, Sign Corrected



Right In: 1506.880+/-0.294 χ^2/NDF: 142733.9/23

Left Out: 1471.437+/-0.242 χ^2/NDF:3436.8/23

Right Out: 1540.108+/-0.280 χ^2/NDF: 289487.5/28

Left In: 1473.049+/-0.243 χ^2/NDF:4751.3/22

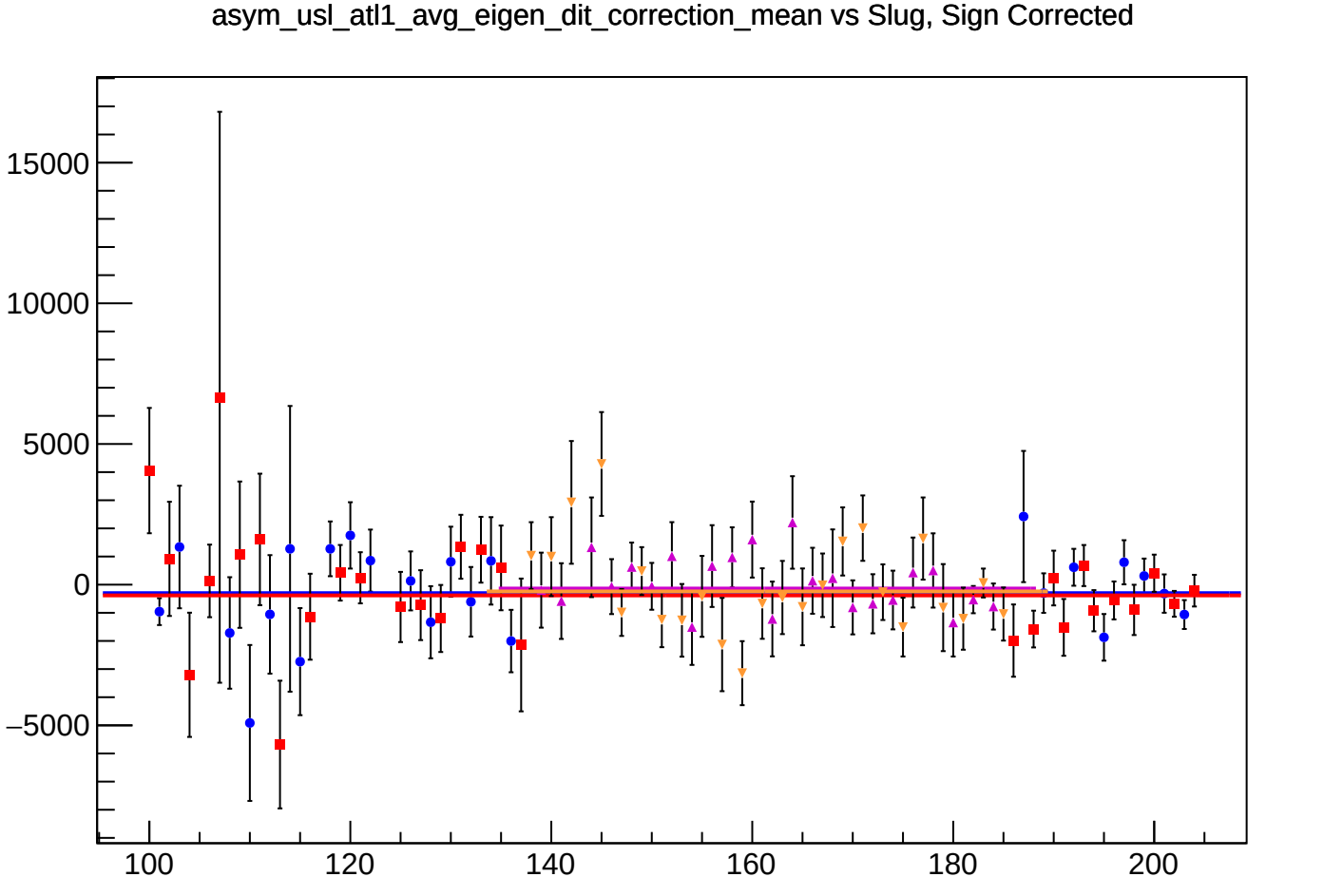
Left: 1472.237+/-0.171 χ^2/NDF: 8210.2/46

Right: 1524.286+/-0.203 χ^2/NDF: 438927.4/52

In: 1486.812+/-0.187 χ^2/NDF:155357.2/46

Out: 1500.735+/-0.183 χ^2/NDF:327413.6/52

All: 1493.940+/-0.131 χ^2/NDF: 485599.0/99



Right In: -301.424+/-187.745 χ^2/NDF: 31.0/23

Left Out: -240.269+/-221.788 χ^2/NDF:32.4/23

Right Out: -381.558+/-179.697 χ^2/NDF: 32.0/28

Left In: -138.421+/-218.478 χ^2/NDF:13.0/22

Left: -188.580+/-155.644 χ^2/NDF: 45.5/46

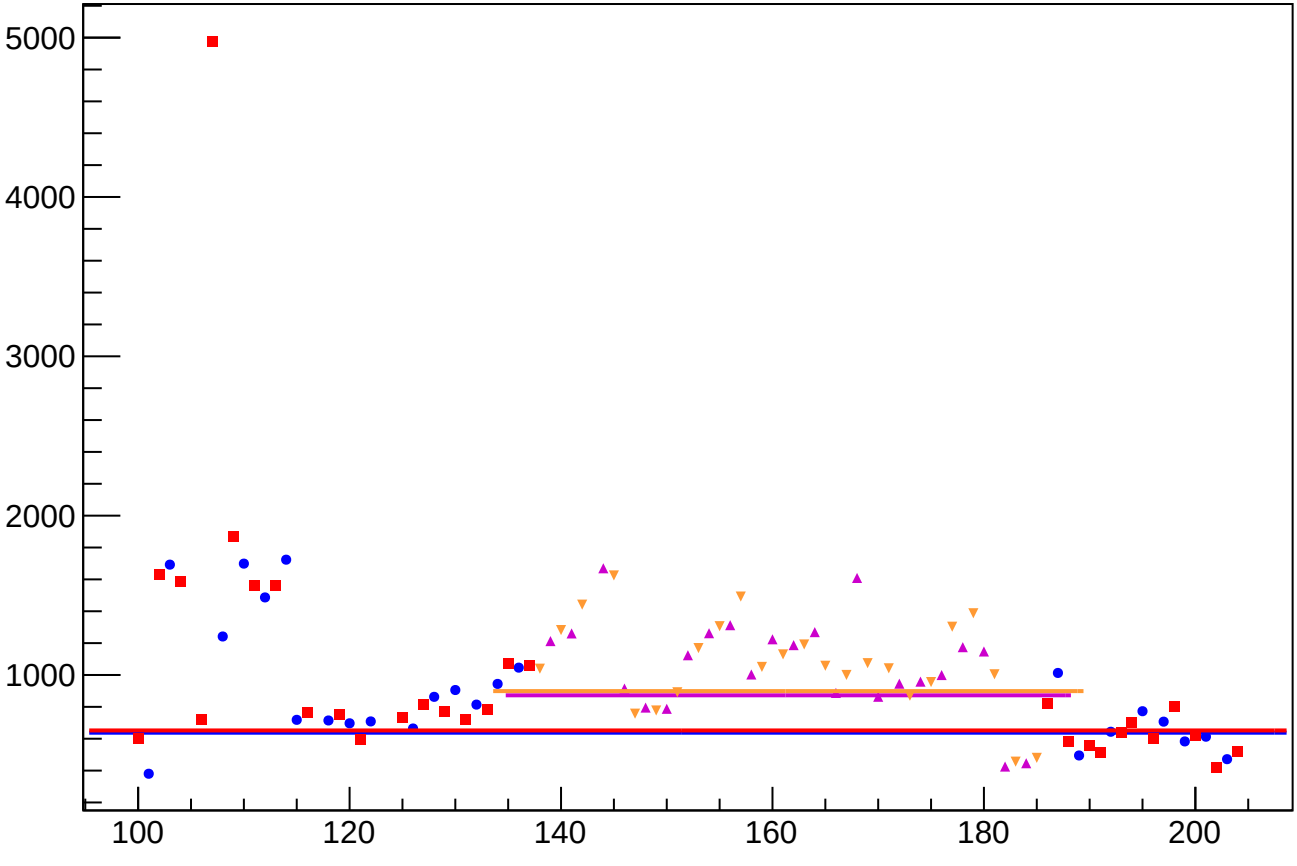
Right: -343.246+/-129.817 χ^2/NDF: 63.1/52

In: -232.185+/-142.393 χ^2/NDF:44.3/46

Out: -325.565+/-139.621 χ^2/NDF:64.7/52

All: -279.792+/-99.693 χ^2/NDF: 109.2/99

asym_usl_atl1_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 637.814+/-0.133 χ^2/NDF: 2953962.0/23

Left Out: 898.850+/-0.157 χ^2/NDF:3791537.4/23

Right Out: 651.981+/-0.127 χ^2/NDF: 3447653.1/28

Left In: 872.473+/-0.154 χ^2/NDF:4435524.1/22

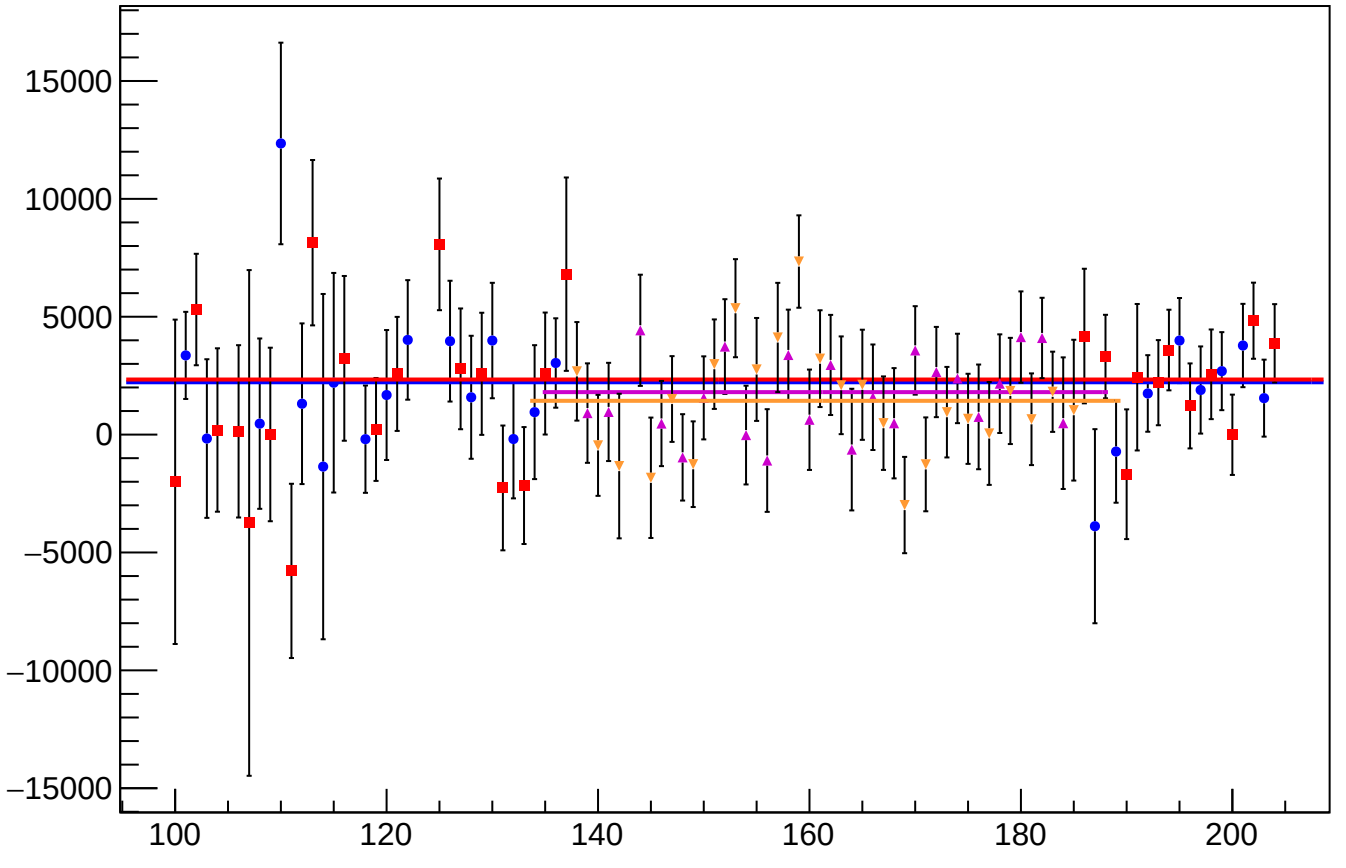
Left: 885.463+/-0.110 χ^2/NDF: 8241417.9/46

Right: 645.207+/-0.092 χ^2/NDF: 6407558.4/52

In: 737.491+/-0.101 χ^2/NDF:8716657.9/46

Out: 749.816+/-0.099 χ^2/NDF:8735107.1/52

All: 743.775+/-0.070 χ^2/NDF: 17459403.6/99



Right In: 2219.857+/-472.441 χ^2/NDF: 17.2/23

Left Out: 1433.314+/-424.465 χ^2/NDF:29.4/23

Right Out: 2336.628+/-447.122 χ^2/NDF: 32.7/28

Left In: 1801.543+/-426.483 χ^2/NDF:15.3/22

Left: 1616.556+/-300.853 χ^2/NDF: 45.1/46

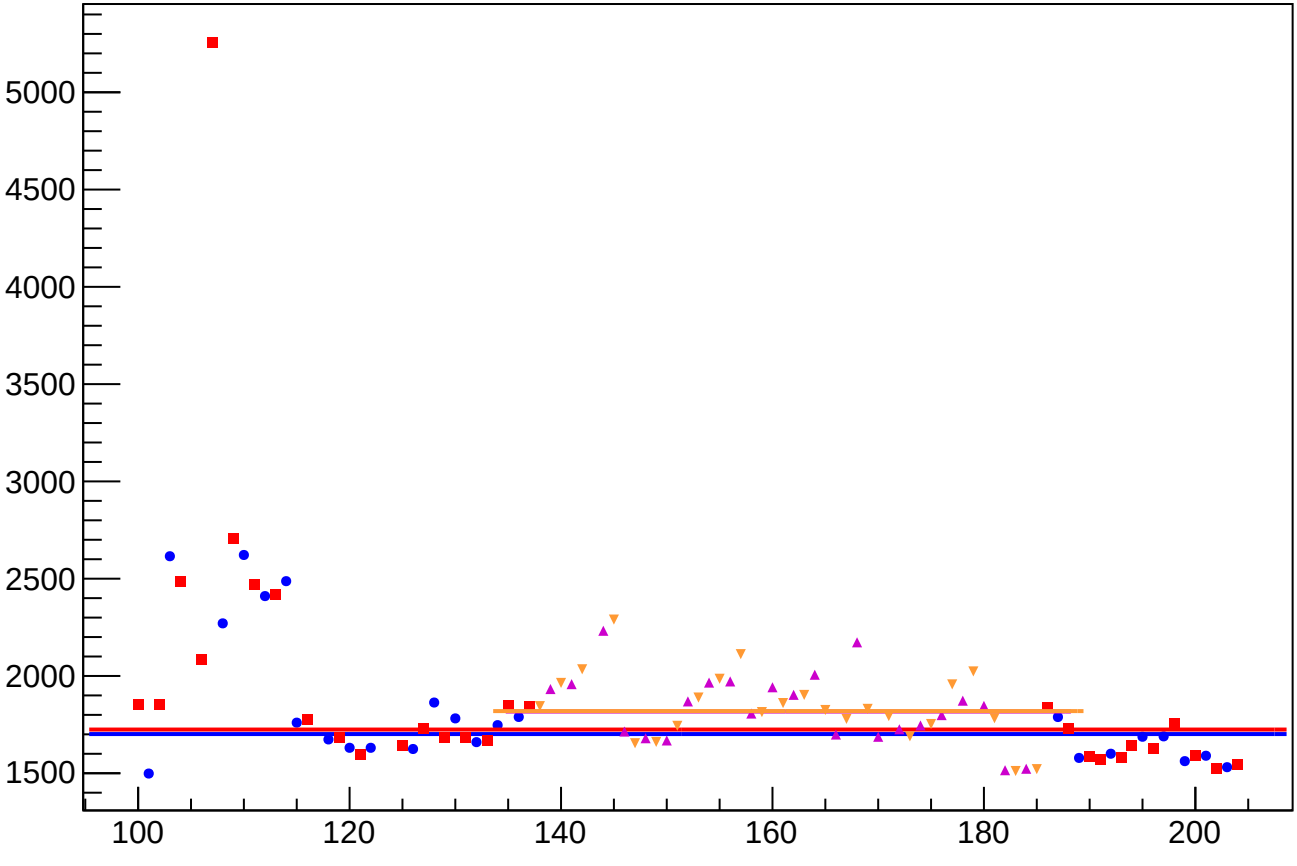
Right: 2281.455+/-324.745 χ^2/NDF: 49.9/52

In: 1989.369+/-316.573 χ^2/NDF:32.9/46

Out: 1861.505+/-307.840 χ^2/NDF:64.3/52

All: 1923.649+/-220.699 χ^2/NDF: 97.3/99

asym_usl_atl1_avg_rms vs Slug, Sign Corrected



Right In: 1701.384+/-0.334 χ^2/NDF: 503290.8/23

Left Out: 1819.417+/-0.300 χ^2/NDF:295015.0/23

Right Out: 1724.611+/-0.316 χ^2/NDF: 760670.0/28

Left In: 1817.142+/-0.302 χ^2/NDF:307103.2/22

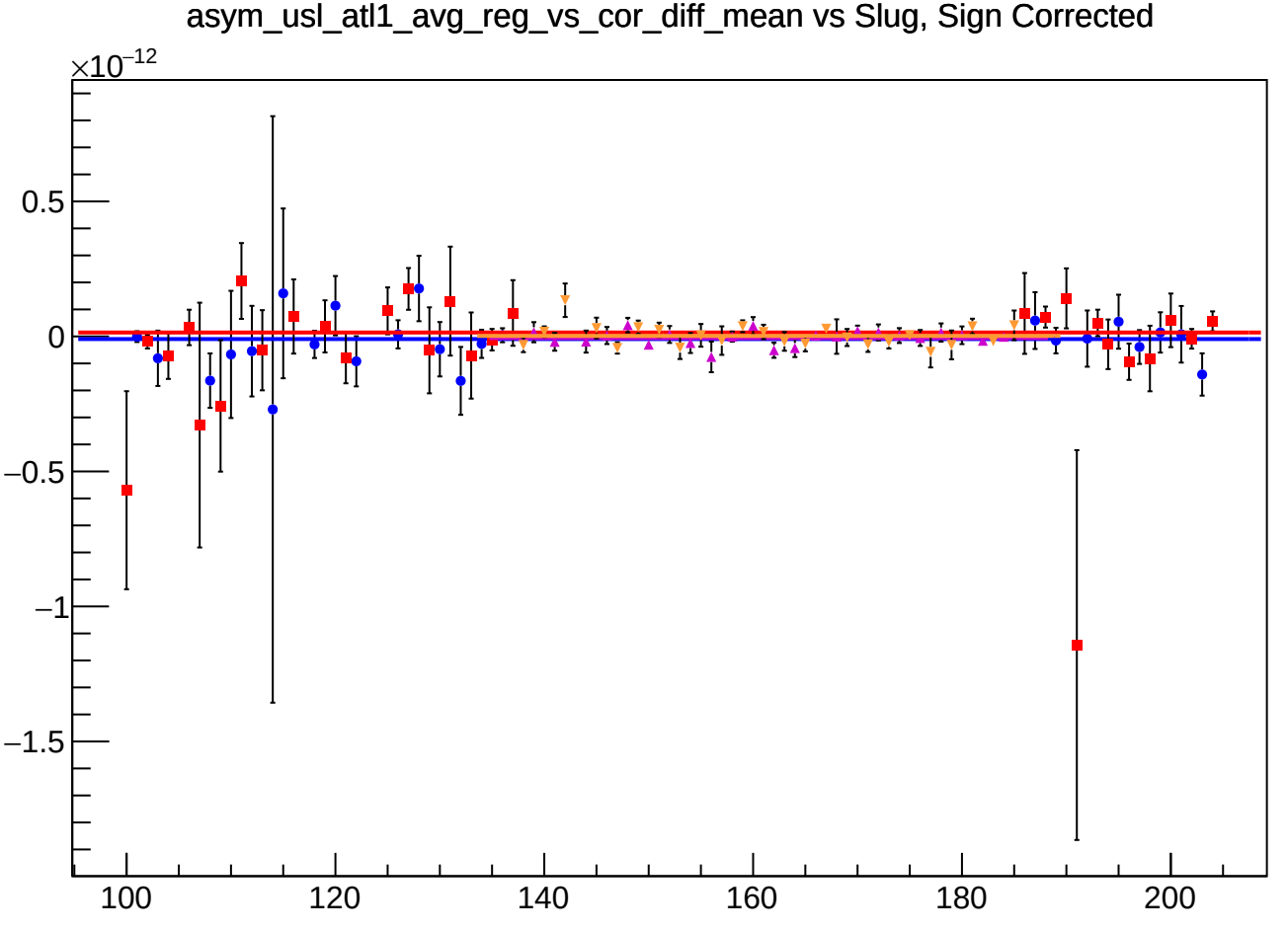
Left: 1818.285+/-0.213 χ^2/NDF: 602146.8/46

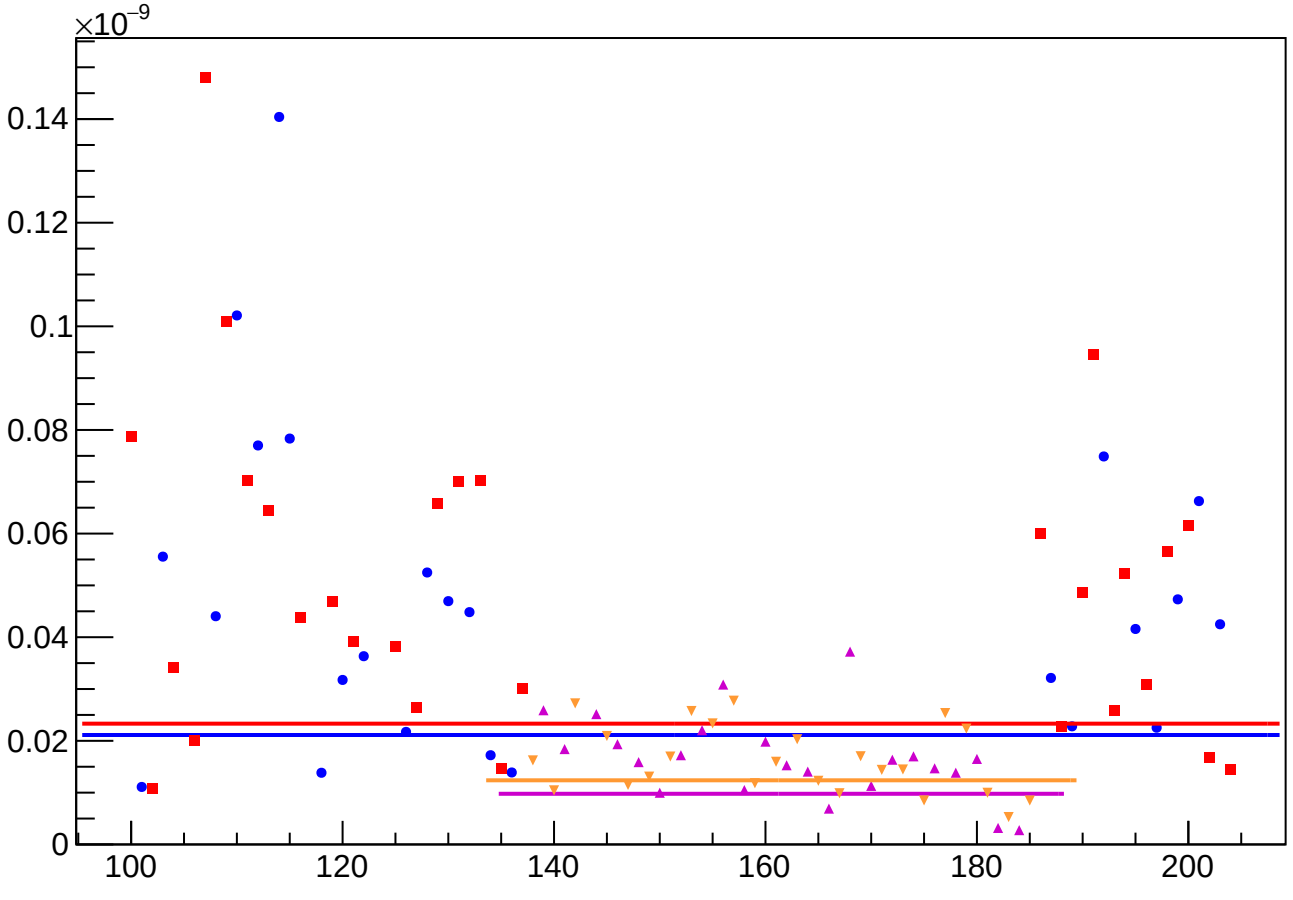
Right: 1713.637+/-0.230 χ^2/NDF: 1266510.8/52

In: 1765.166+/-0.224 χ^2/NDF:876551.2/46

Out: 1774.477+/-0.218 χ^2/NDF:1102980.6/52

All: 1769.952+/-0.156 χ^2/NDF: 1980421.1/99


asym_usl_atl1_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.5
0
−0.5
−1
−1.5
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 14.3/23
Left Out: 0.000+/-0.000 χ²/NDF:29.3/23
Right Out: 0.000+/-0.000 χ²/NDF: 29.3/28
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: 45.7/52
In: -0.000+/-0.000 χ²/NDF:32.3/46
Out: 0.000+/-0.000 χ²/NDF:59.6/52
All: -0.000+/-0.000 χ²/NDF: 94.4/99



Right In: 0.000+/-0.000 χ^2/NDF: 3405907.4/23

Left Out: 0.000+/-0.000 χ^2/NDF:1898110.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 3210960.6/28

Left In: 0.000+/-0.000 χ^2/NDF:4499862.2/22

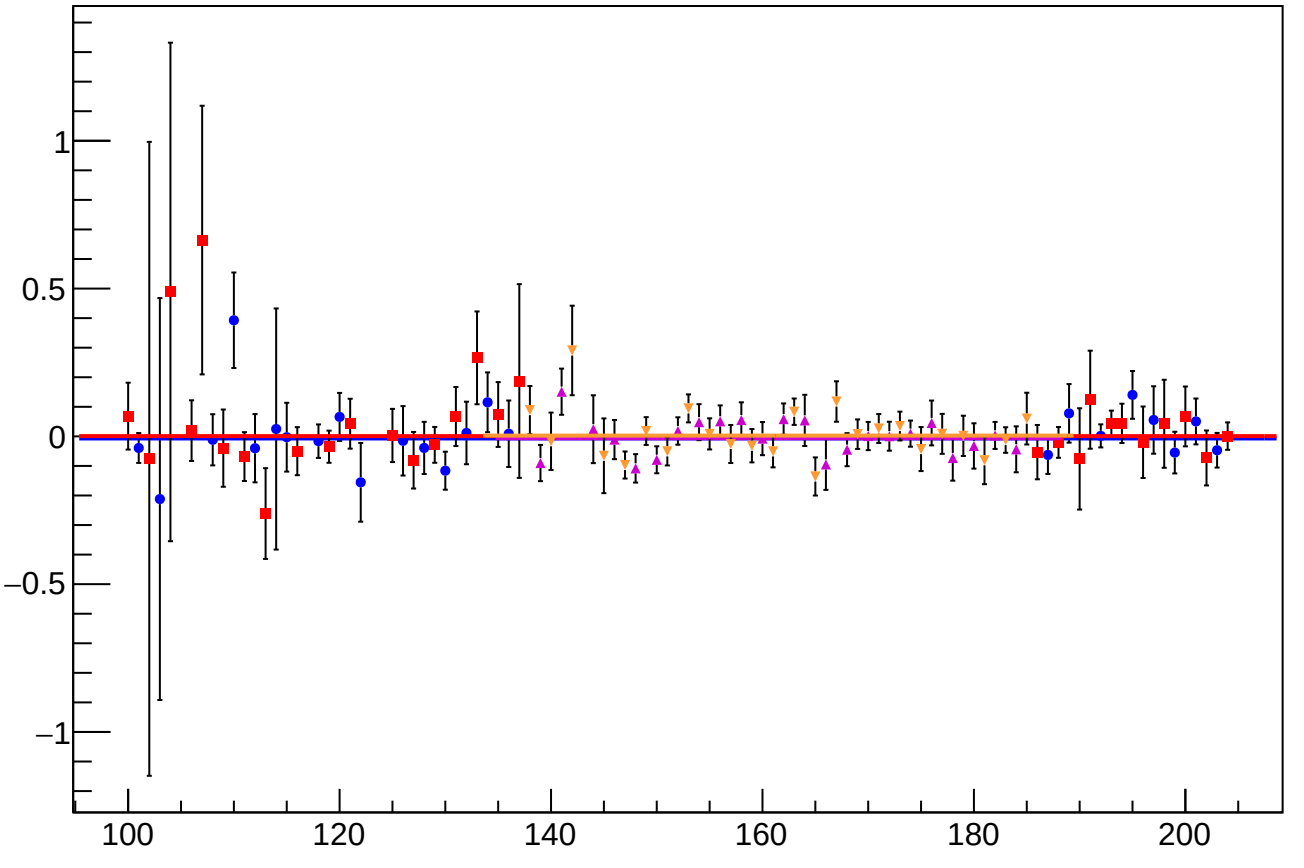
Left: 0.000+/-0.000 χ^2/NDF: 6671683.2/46

Right: 0.000+/-0.000 χ^2/NDF: 6649859.8/52

In: 0.000+/-0.000 χ^2/NDF:9513949.0/46

Out: 0.000+/-0.000 χ^2/NDF:6440751.9/52

All: 0.000+/-0.000 χ^2/NDF: 16321343.4/99



Right In: -0.007+/-0.016 χ^2/NDF: 20.0/23

Left Out: 0.003+/-0.012 χ^2/NDF:29.9/23

Right Out: 0.001+/-0.016 χ^2/NDF: 16.5/28

Left In: -0.006+/-0.012 χ^2/NDF:21.6/22

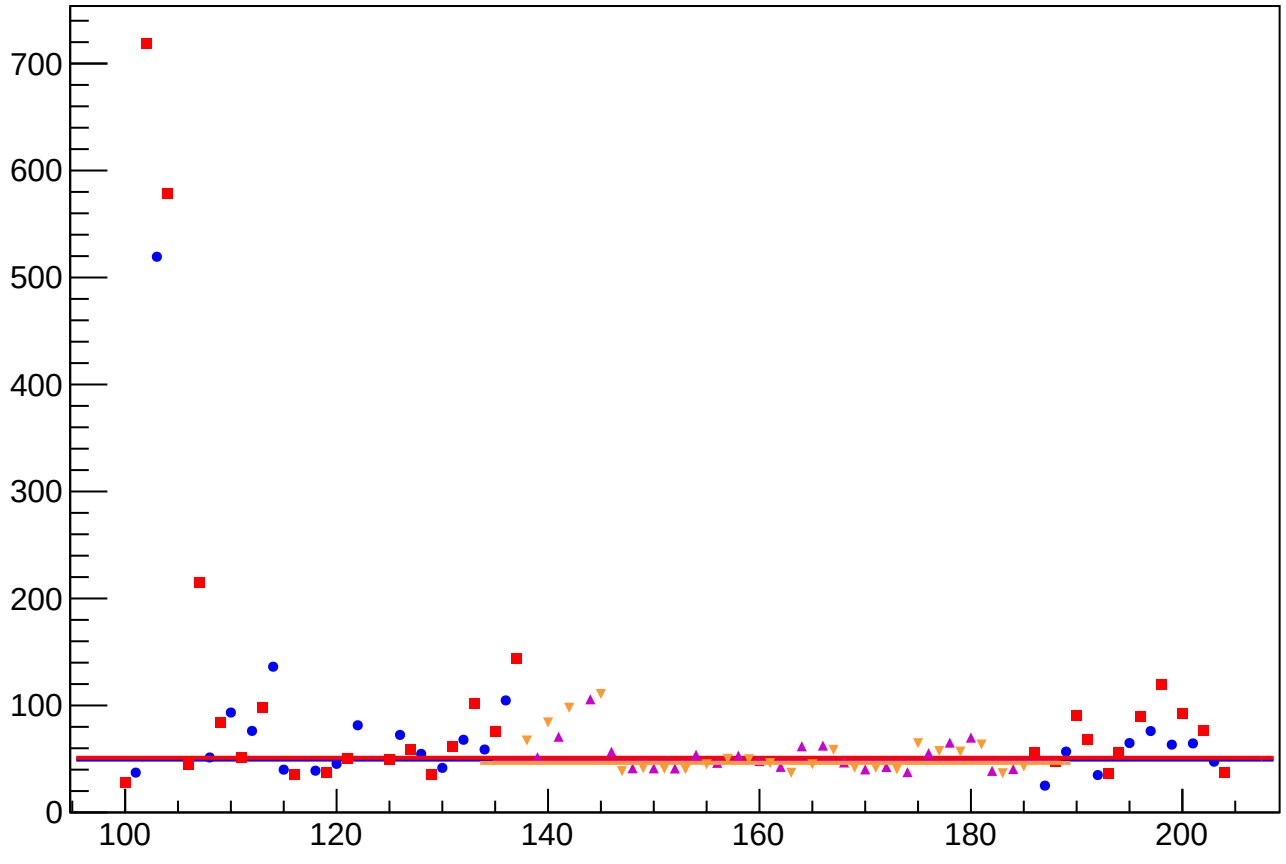
Left: -0.002+/-0.008 χ^2/NDF: 51.8/46

Right: -0.003+/-0.011 χ^2/NDF: 36.5/52

In: -0.007+/-0.010 χ^2/NDF:41.6/46

Out: 0.002+/-0.010 χ^2/NDF:46.4/52

All: -0.002+/-0.007 χ^2/NDF: 88.3/99



Right In: 49.403+/-0.011 χ^2/NDF: 3208393.6/23

Left Out: 46.353+/-0.008 χ^2/NDF:1967753.2/23

Right Out: 51.080+/-0.011 χ^2/NDF: 4728622.8/28

Left In: 47.575+/-0.009 χ^2/NDF:1576196.2/22

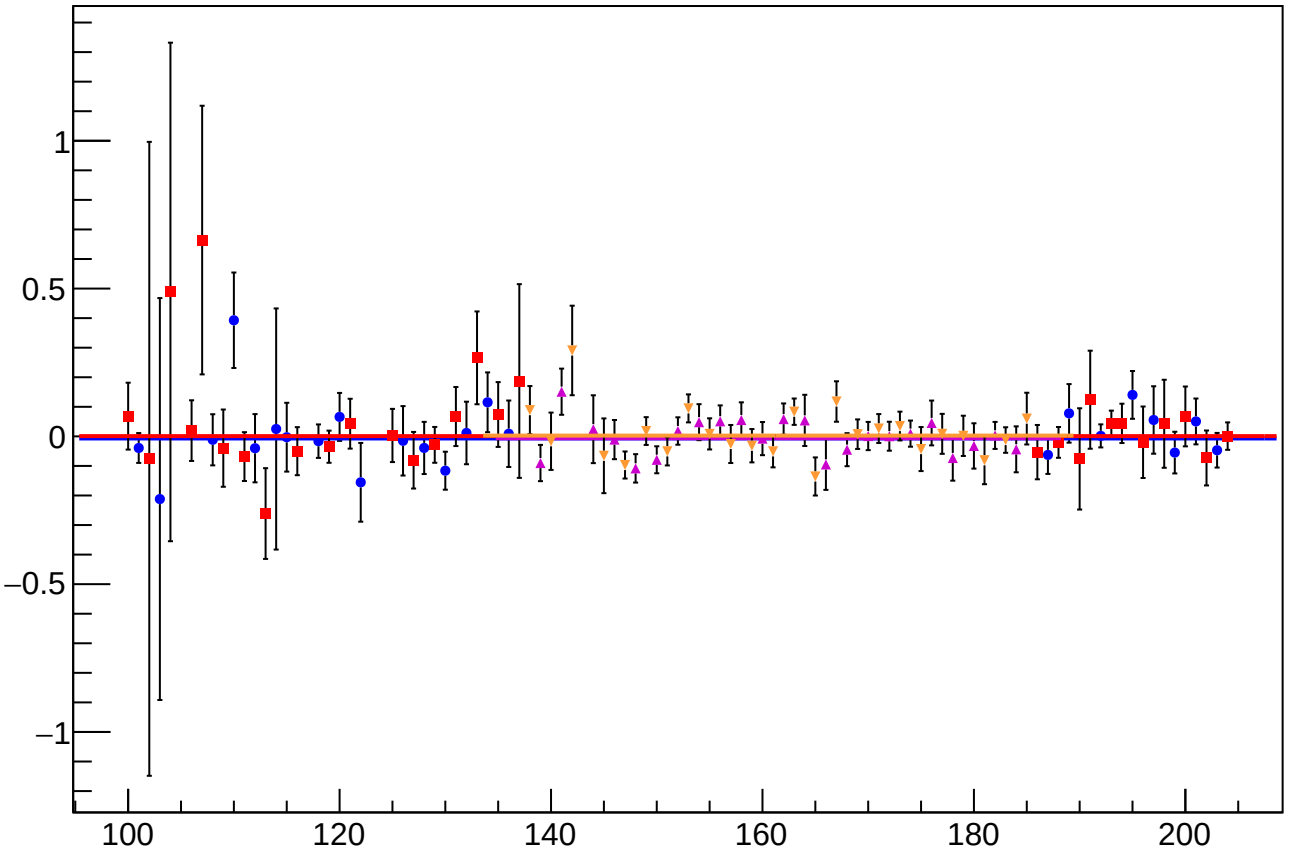
Left: 46.952+/-0.006 χ^2/NDF: 3554287.7/46

Right: 50.247+/-0.008 χ^2/NDF: 7947884.3/52

In: 48.235+/-0.007 χ^2/NDF:4800991.9/46

Out: 48.033+/-0.007 χ^2/NDF:6808563.5/52

All: 48.132+/-0.005 χ^2/NDF: 11609998.6/99



Right In: -0.007+/-0.016 χ^2/NDF: 20.0/23

Left Out: 0.003+/-0.012 χ^2/NDF:29.9/23

Right Out: 0.001+/-0.016 χ^2/NDF: 16.5/28

Left In: -0.006+/-0.012 χ^2/NDF:21.6/22

Left: -0.002+/-0.008 χ^2/NDF: 51.8/46

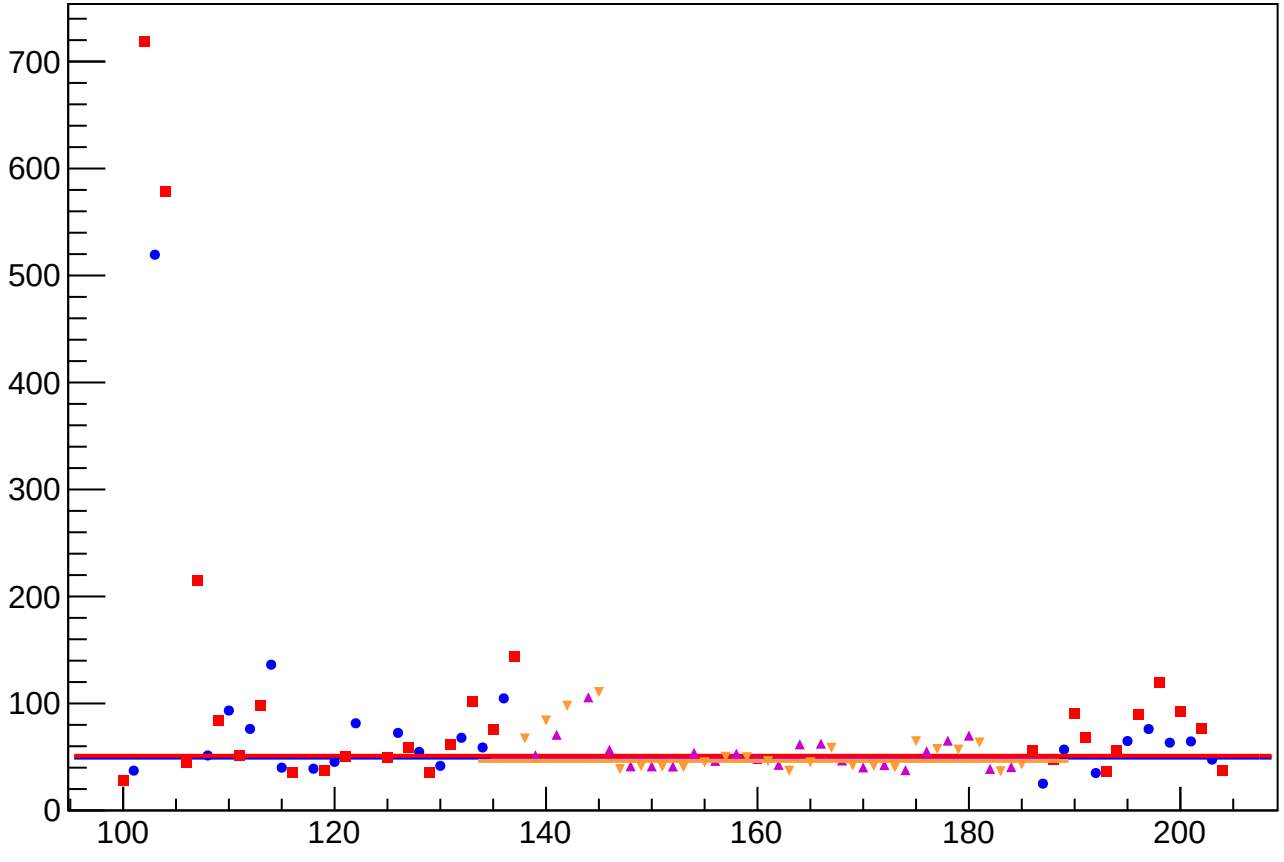
Right: -0.003+/-0.011 χ^2/NDF: 36.5/52

In: -0.007+/-0.010 χ^2/NDF:41.6/46

Out: 0.002+/-0.010 χ^2/NDF:46.4/52

All: -0.002+/-0.007 χ^2/NDF: 88.3/99

asym_usl_atl1_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 49.403+/-0.011 χ^2/NDF: 3208393.6/23

Left Out: 46.353+/-0.008 χ^2/NDF:1967753.2/23

Right Out: 51.080+/-0.011 χ^2/NDF: 4728622.8/28

Left In: 47.575+/-0.009 χ^2/NDF:1576196.2/22

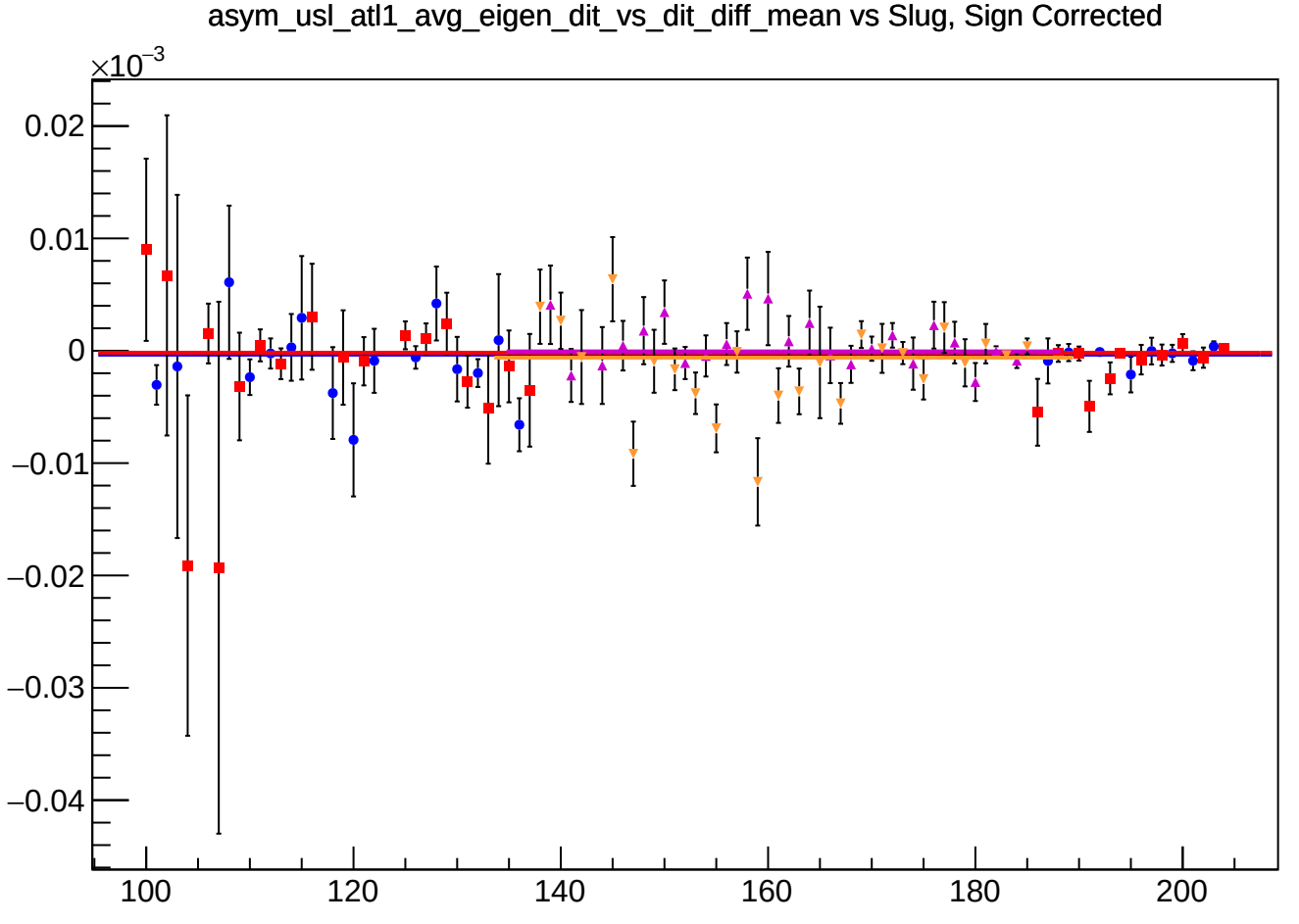
Left: 46.952+/-0.006 χ^2/NDF: 3554287.7/46

Right: 50.247+/-0.008 χ^2/NDF: 7947884.3/52

In: 48.235+/-0.007 χ^2/NDF:4800991.9/46

Out: 48.033+/-0.007 χ^2/NDF:6808563.5/52

All: 48.132+/-0.005 χ^2/NDF: 11609998.6/99



Right In: -0.000+/-0.000 χ^2/NDF: 24.0/23

Left Out: -0.000+/-0.000 χ^2/NDF:54.0/23

Right Out: -0.000+/-0.000 χ^2/NDF: 24.7/28

Left In: -0.000+/-0.000 χ^2/NDF:17.9/22

Left: -0.000+/-0.000 χ^2/NDF: 73.8/46

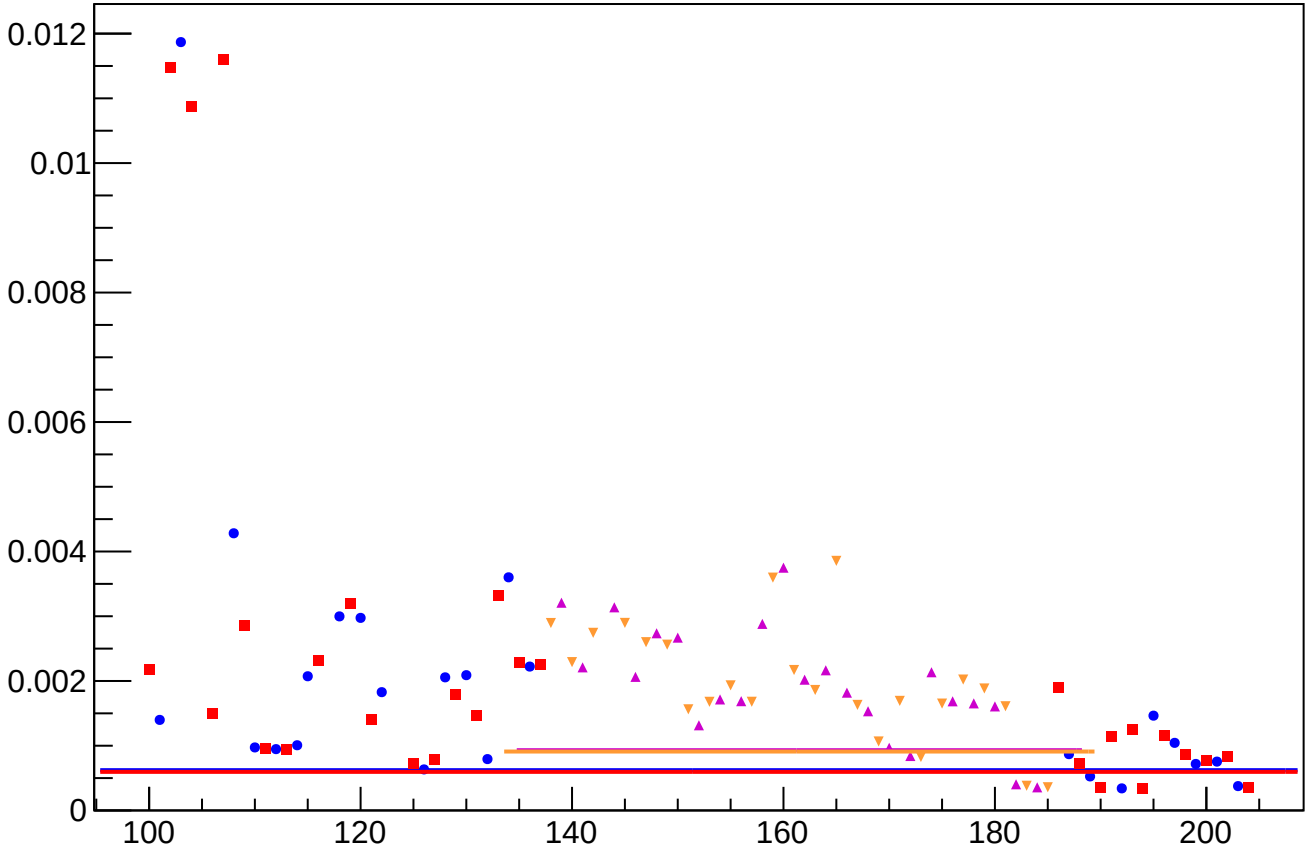
Right: -0.000+/-0.000 χ^2/NDF: 49.0/52

In: -0.000+/-0.000 χ^2/NDF:42.5/46

Out: -0.000+/-0.000 χ^2/NDF:80.2/52

All: -0.000+/-0.000 χ^2/NDF: 122.9/99

asym_usl_atl1_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 8766119.2/23

Left Out: 0.001+/-0.000 χ^2/NDF:14137356.3/23

Right Out: 0.001+/-0.000 χ^2/NDF: 10655011.2/28

Left In: 0.001+/-0.000 χ^2/NDF:13690985.6/22

Left: 0.001+/-0.000 χ^2/NDF: 27833708.7/46

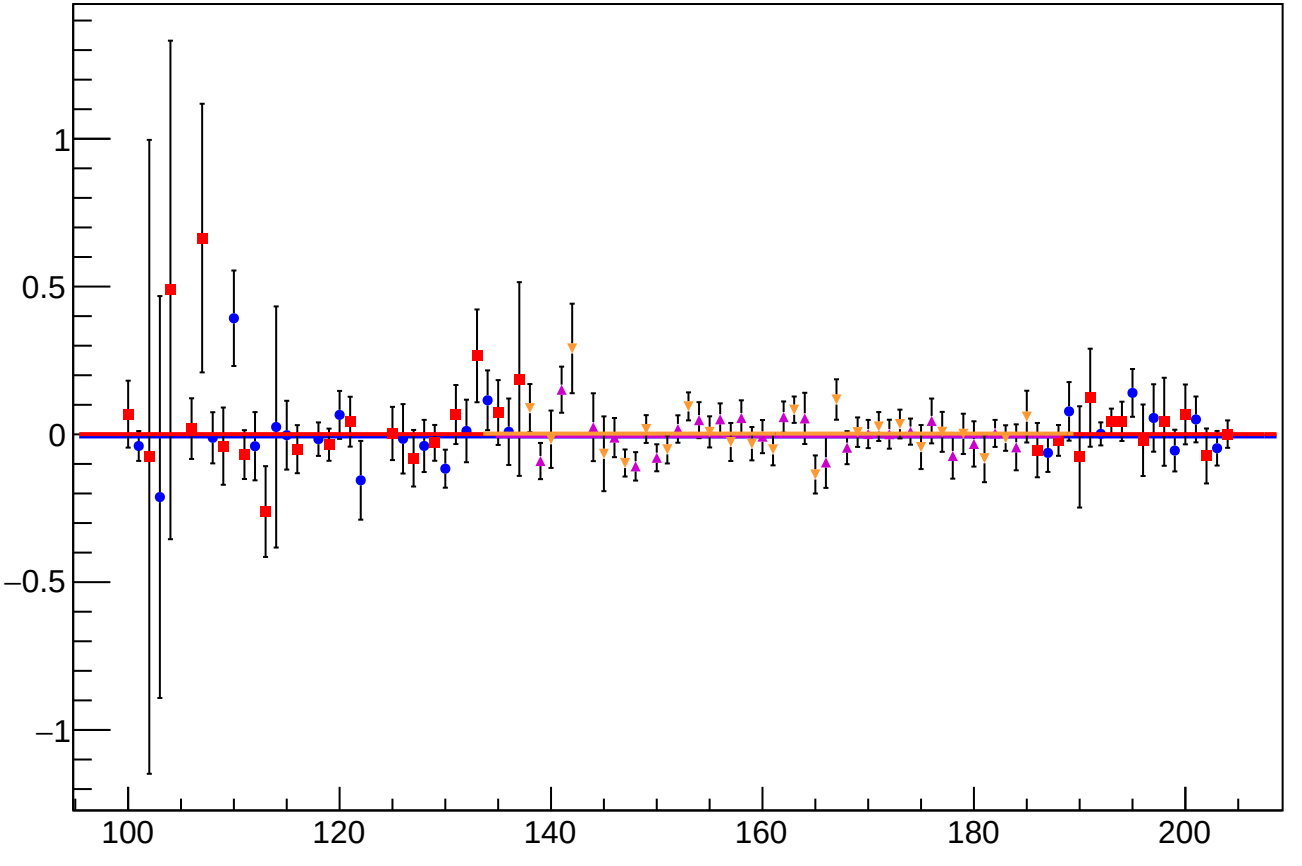
Right: 0.001+/-0.000 χ^2/NDF: 19436989.3/52

In: 0.001+/-0.000 χ^2/NDF:23944380.8/46

Out: 0.001+/-0.000 χ^2/NDF:26494843.4/52

All: 0.001+/-0.000 χ^2/NDF: 50491508.3/99

asym_usl_atl1_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.007+/-0.016 χ^2/NDF: 19.9/23

Left Out: 0.003+/-0.012 χ^2/NDF:29.9/23

Right Out: 0.001+/-0.016 χ^2/NDF: 16.5/28

Left In: -0.006+/-0.012 χ^2/NDF:21.6/22

Left: -0.002+/-0.008 χ^2/NDF: 51.8/46

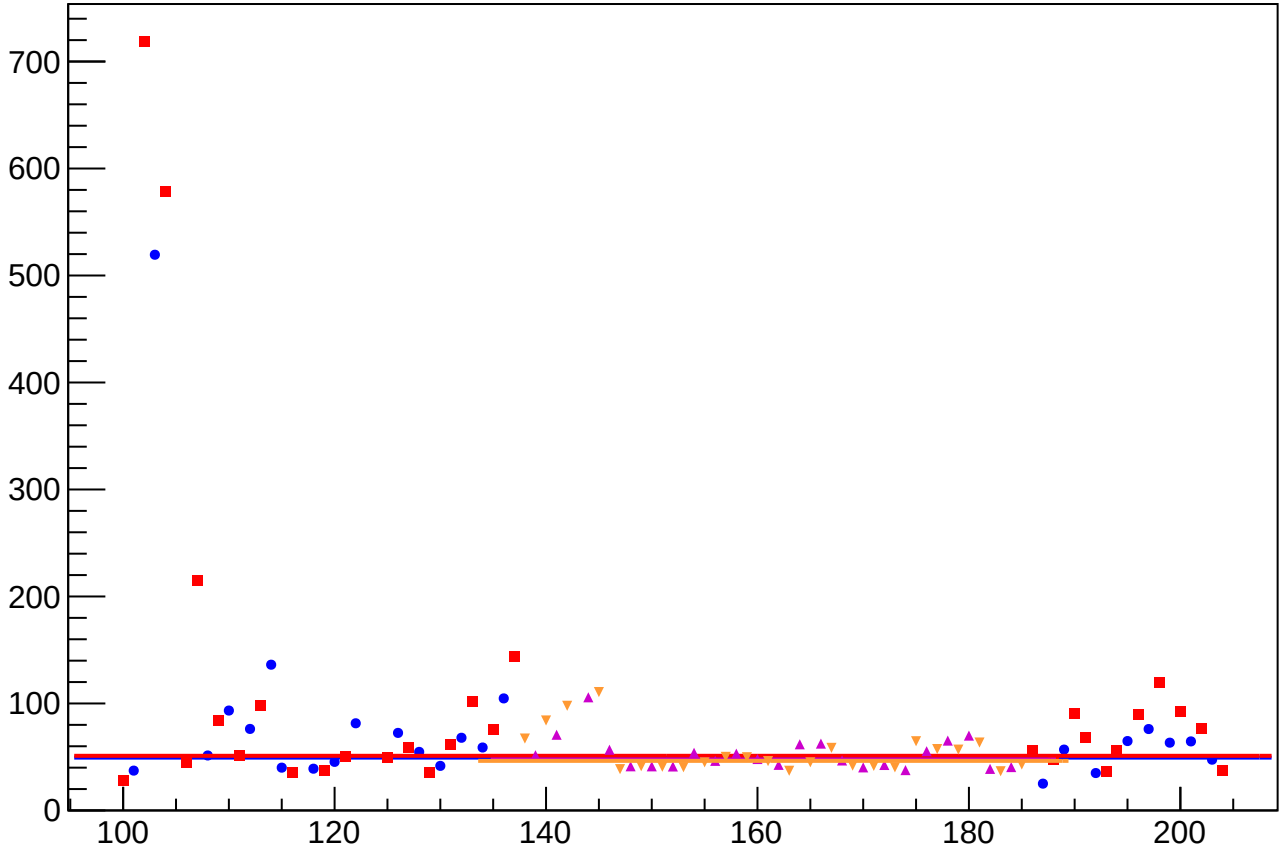
Right: -0.003+/-0.011 χ^2/NDF: 36.5/52

In: -0.007+/-0.010 χ^2/NDF:41.6/46

Out: 0.002+/-0.010 χ^2/NDF:46.4/52

All: -0.002+/-0.007 χ^2/NDF: 88.3/99

asym_usl_atl1_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 49.403+/-0.011 χ^2/NDF: 3208395.7/23

Left Out: 46.354+/-0.008 χ^2/NDF:1967741.3/23

Right Out: 51.079+/-0.011 χ^2/NDF: 4728627.7/28

Left In: 47.575+/-0.009 χ^2/NDF:1576204.5/22

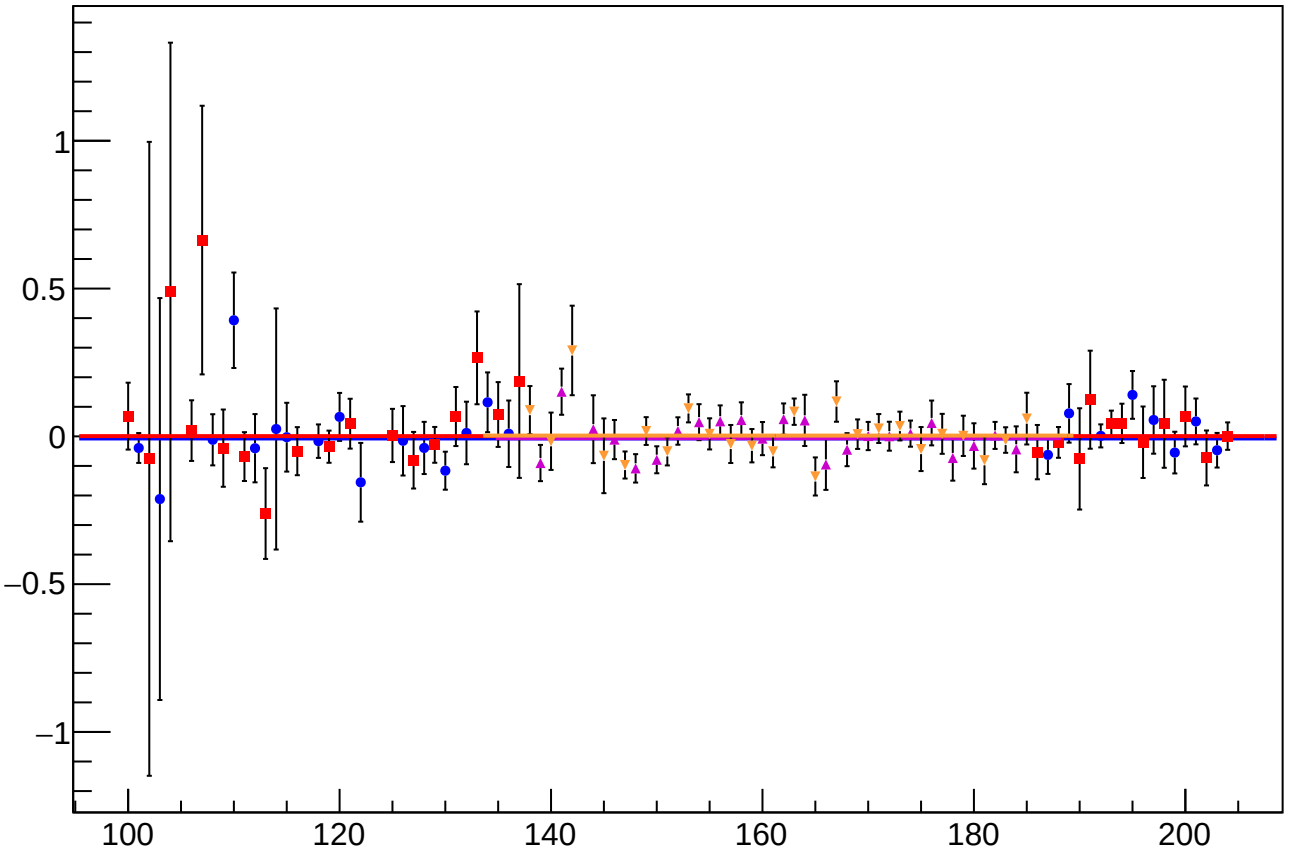
Left: 46.952+/-0.006 χ^2/NDF: 3554282.4/46

Right: 50.247+/-0.008 χ^2/NDF: 7947889.6/52

In: 48.235+/-0.007 χ^2/NDF:4801000.0/46

Out: 48.033+/-0.007 χ^2/NDF:6808539.1/52

All: 48.132+/-0.005 χ^2/NDF: 11609982.1/99



Right In: -0.007+/-0.016 χ^2/NDF: 19.9/23

Left Out: 0.003+/-0.012 χ^2/NDF:29.9/23

Right Out: 0.001+/-0.016 χ^2/NDF: 16.5/28

Left In: -0.006+/-0.012 χ^2/NDF:21.6/22

Left: -0.002+/-0.008 χ^2/NDF: 51.8/46

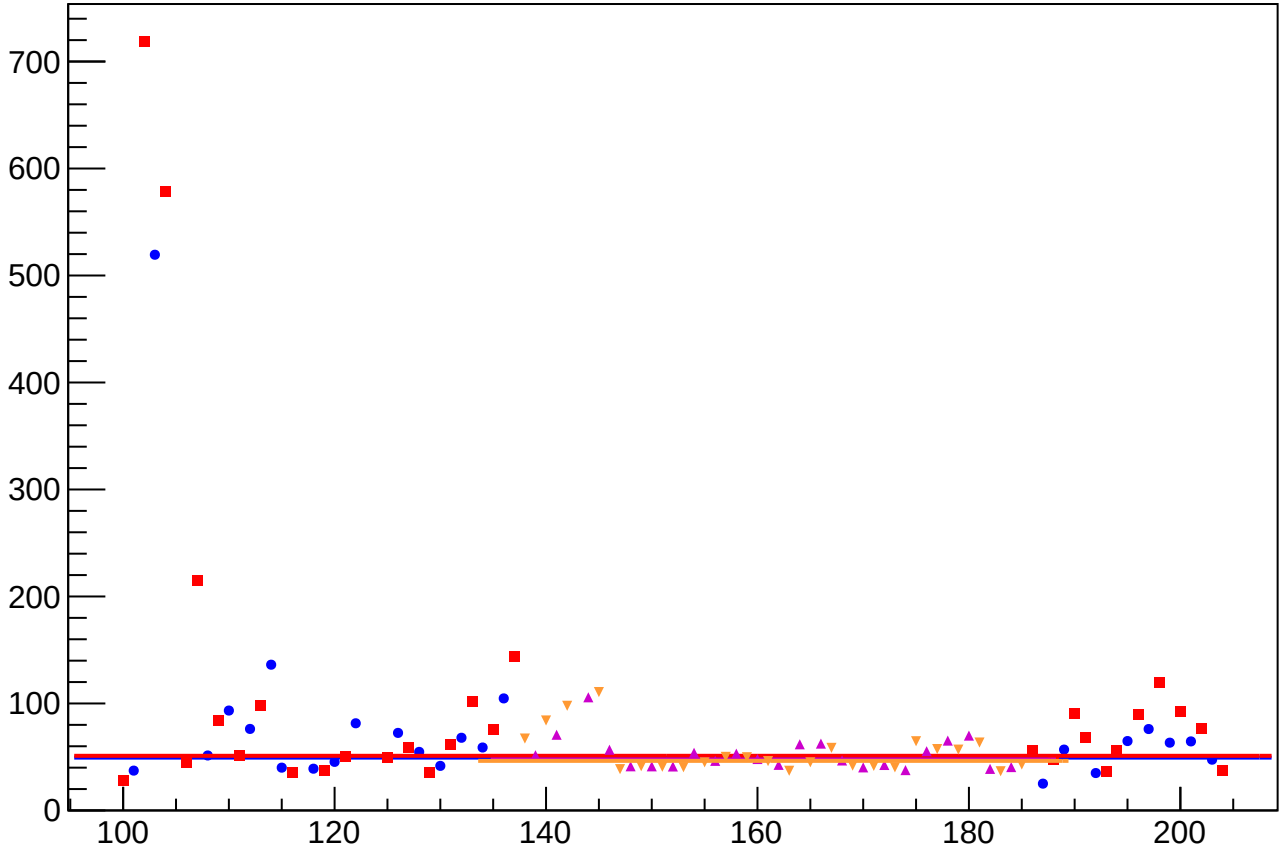
Right: -0.003+/-0.011 χ^2/NDF: 36.5/52

In: -0.007+/-0.010 χ^2/NDF:41.6/46

Out: 0.002+/-0.010 χ^2/NDF:46.4/52

All: -0.002+/-0.007 χ^2/NDF: 88.3/99

asym_usl_atl1_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 49.403+/-0.011 χ^2/NDF: 3208395.7/23

Left Out: 46.354+/-0.008 χ^2/NDF:1967741.3/23

Right Out: 51.079+/-0.011 χ^2/NDF: 4728627.7/28

Left In: 47.575+/-0.009 χ^2/NDF:1576204.5/22

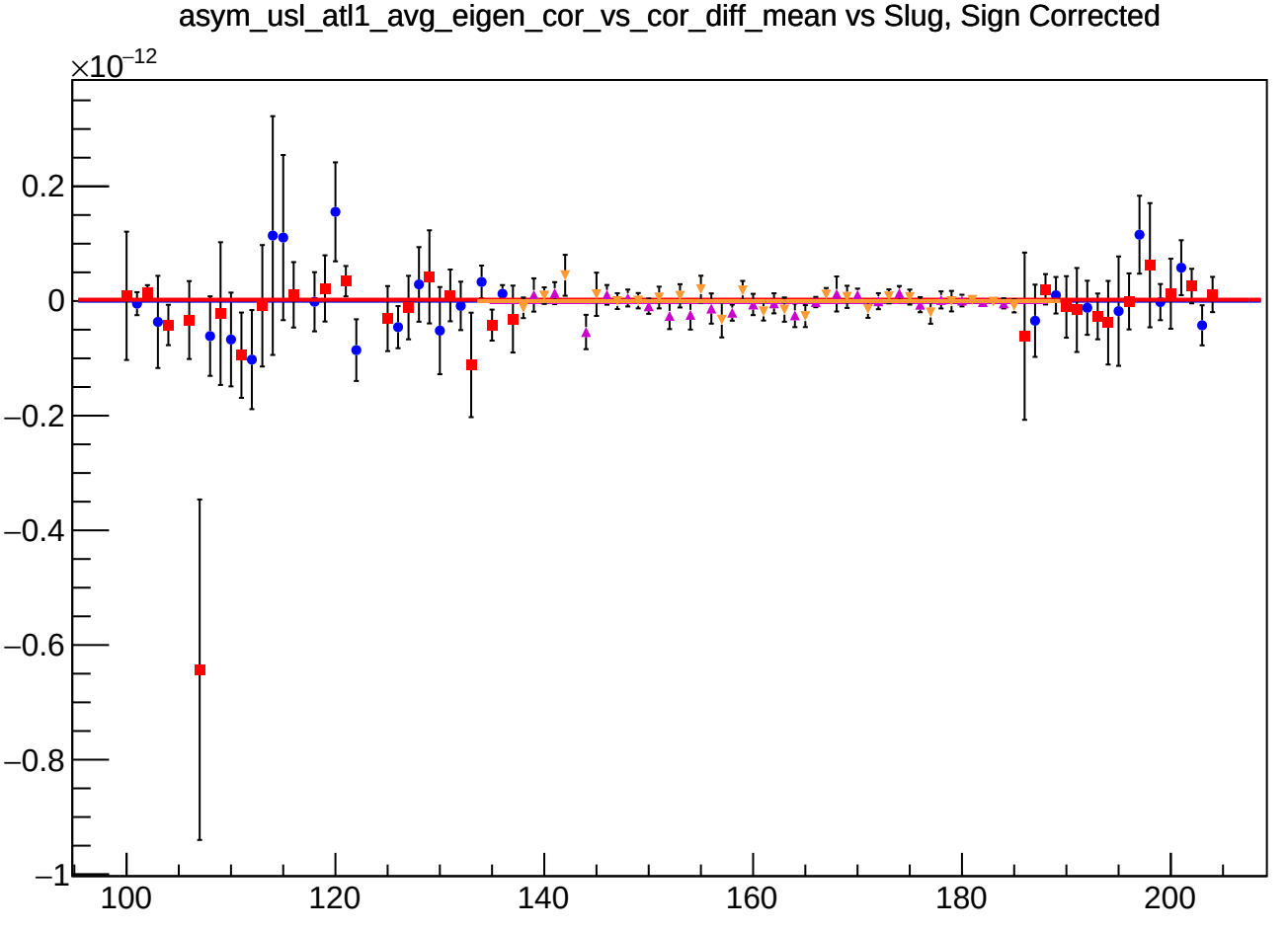
Left: 46.952+/-0.006 χ^2/NDF: 3554282.4/46

Right: 50.247+/-0.008 χ^2/NDF: 7947889.6/52

In: 48.235+/-0.007 χ^2/NDF:4801000.0/46

Out: 48.033+/-0.007 χ^2/NDF:6808539.1/52

All: 48.132+/-0.005 χ^2/NDF: 11609982.1/99



Right In: 0.000+/-0.000 χ^2/NDF: 20.4/23

Left Out: -0.000+/-0.000 χ^2/NDF:13.9/23

Right Out: 0.000+/-0.000 χ^2/NDF: 18.8/28

Left In: -0.000+/-0.000 χ^2/NDF:13.4/22

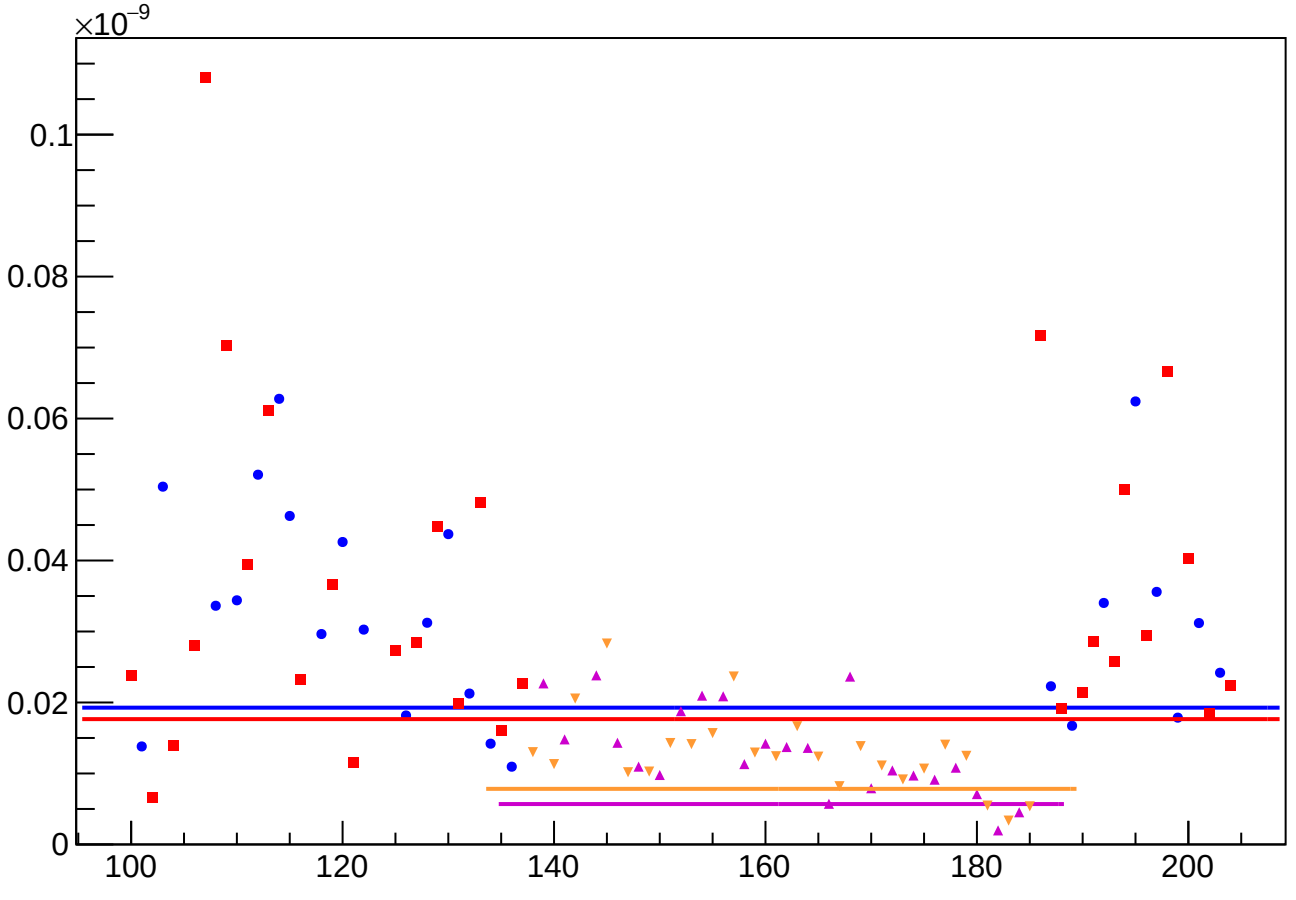
Left: -0.000+/-0.000 χ^2/NDF: 27.5/46

Right: 0.000+/-0.000 χ^2/NDF: 39.2/52

In: -0.000+/-0.000 χ^2/NDF:33.8/46

Out: 0.000+/-0.000 χ^2/NDF:32.7/52

All: -0.000+/-0.000 χ^2/NDF: 66.9/99



Right In: 0.000+/-0.000 χ^2/NDF: 3206131.8/23

Left Out: 0.000+/-0.000 χ^2/NDF:6422392.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 5176448.6/28

Left In: 0.000+/-0.000 χ^2/NDF:11199324.6/22

Left: 0.000+/-0.000 χ^2/NDF: 18452669.5/46

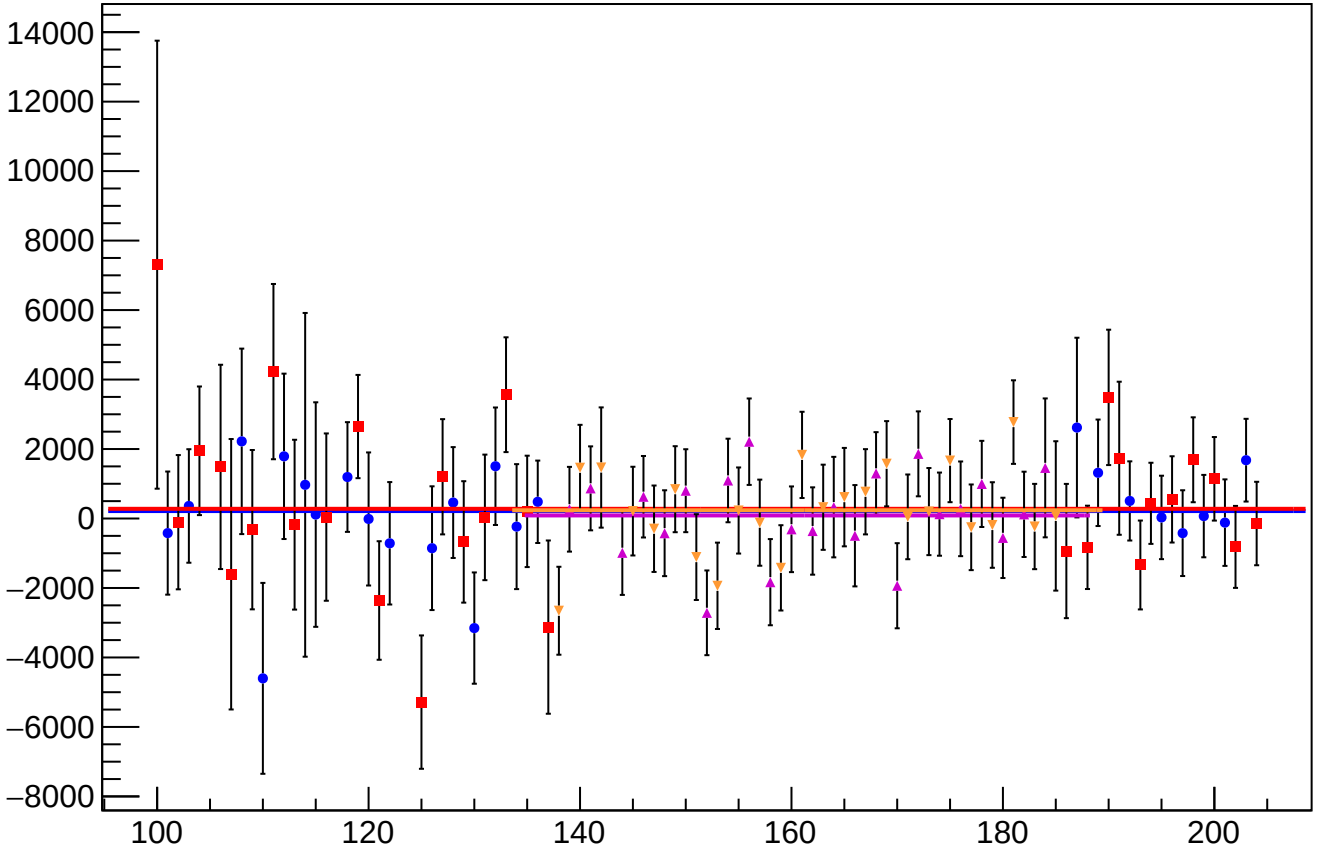
Right: 0.000+/-0.000 χ^2/NDF: 8426437.0/52

In: 0.000+/-0.000 χ^2/NDF:19782003.4/46

Out: 0.000+/-0.000 χ^2/NDF:14743890.5/52

All: 0.000+/-0.000 χ^2/NDF: 35569289.2/99

reg_asym_usl_atl1_dd_mean vs Slug, Sign Corrected



Right In: 214.357+/-324.476 χ^2/NDF: 13.7/23

Left Out: 236.601+/-259.669 χ^2/NDF:22.7/23

Right Out: 279.033+/-306.689 χ^2/NDF: 33.7/28

Left In: 88.380+/-261.602 χ^2/NDF:20.9/22

Left: 163.040+/-184.293 χ^2/NDF: 43.8/46

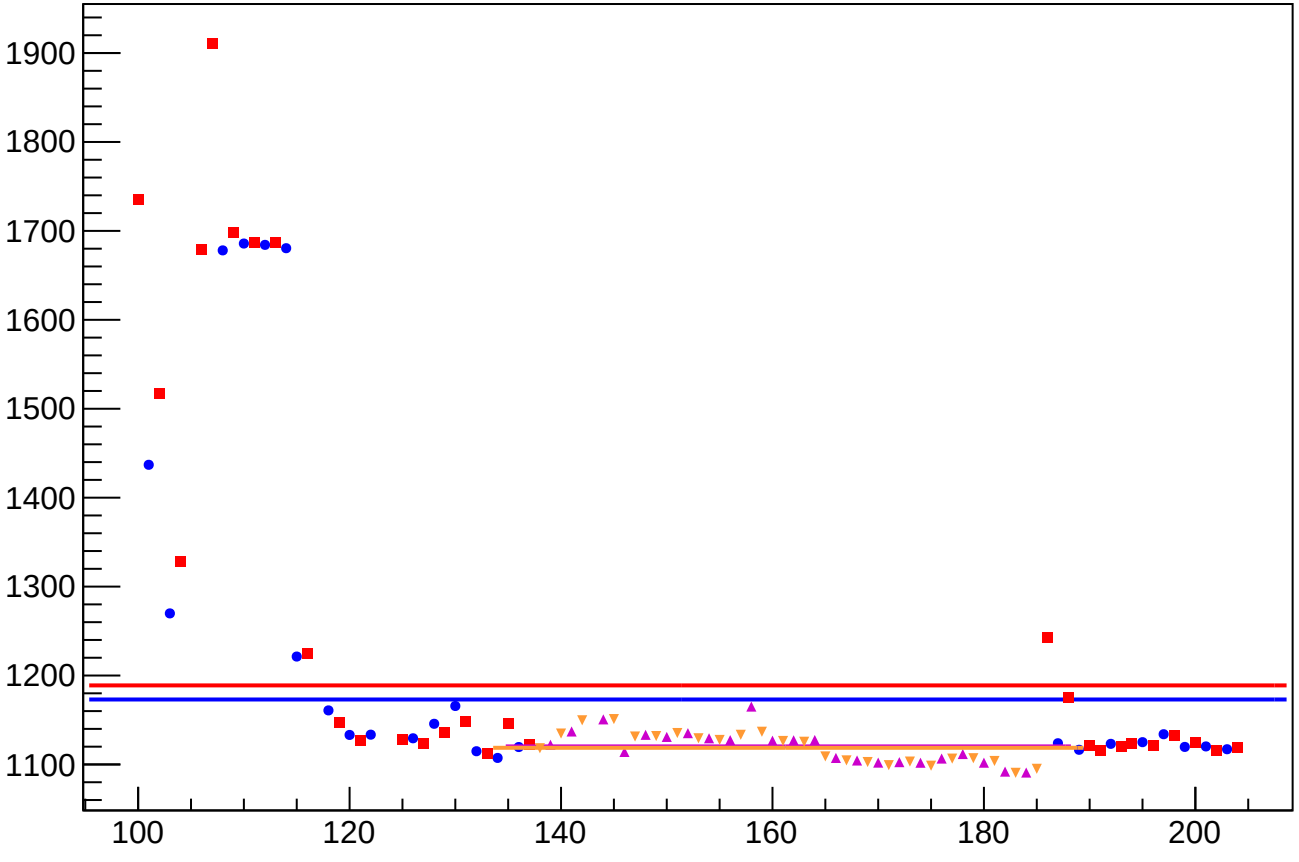
Right: 248.516+/-222.885 χ^2/NDF: 47.5/52

In: 138.008+/-203.657 χ^2/NDF:34.7/46

Out: 254.318+/-198.176 χ^2/NDF:56.4/52

All: 197.749+/-142.030 χ^2/NDF: 91.3/99

reg_asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1173.055+/-0.229 χ^2/NDF: 343825.6/23

Left Out: 1118.733+/-0.184 χ^2/NDF:8205.0/23

Right Out: 1188.897+/-0.217 χ^2/NDF: 535534.4/28

Left In: 1120.308+/-0.185 χ^2/NDF:9479.7/22

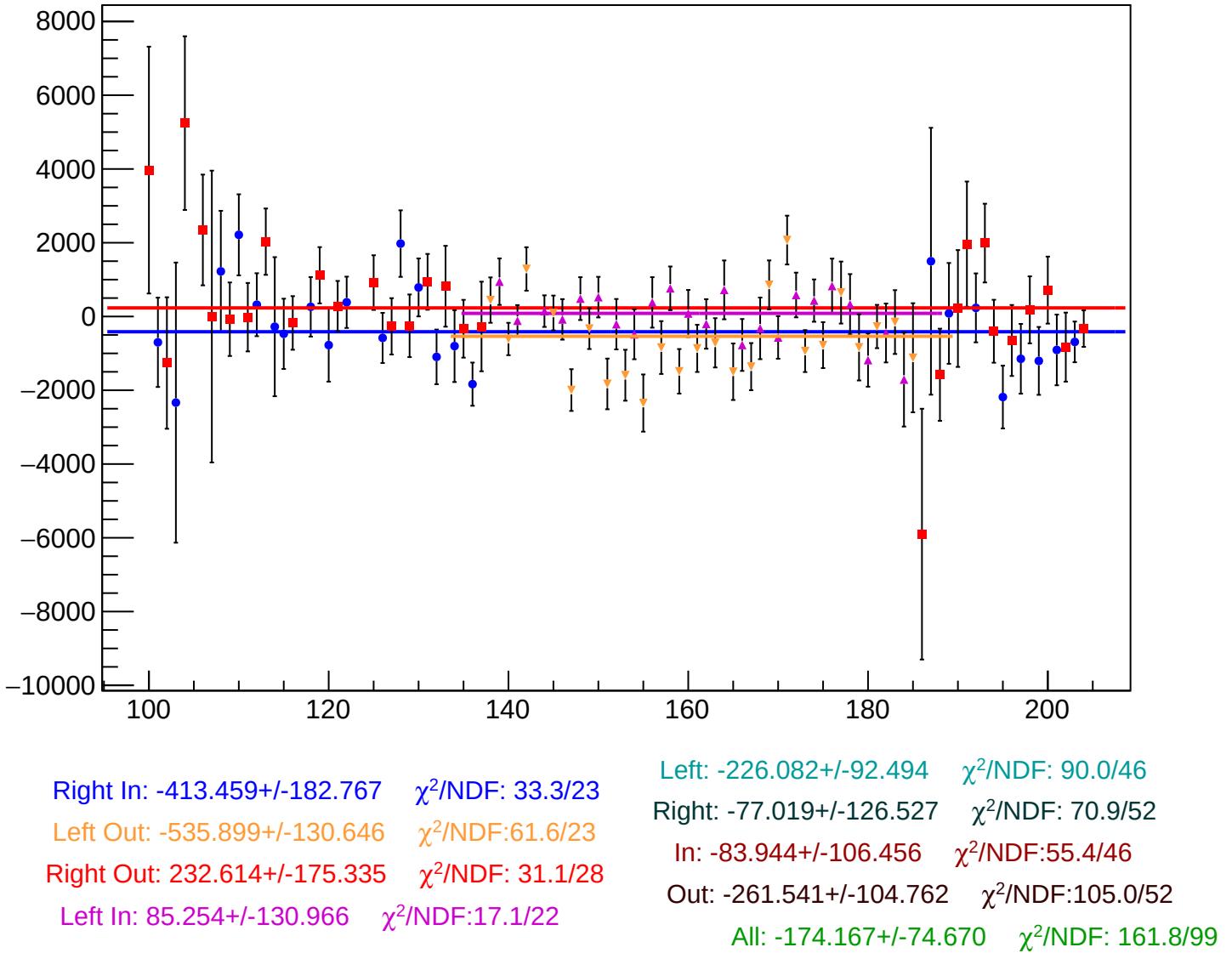
Left: 1119.515+/-0.130 χ^2/NDF: 17721.2/46

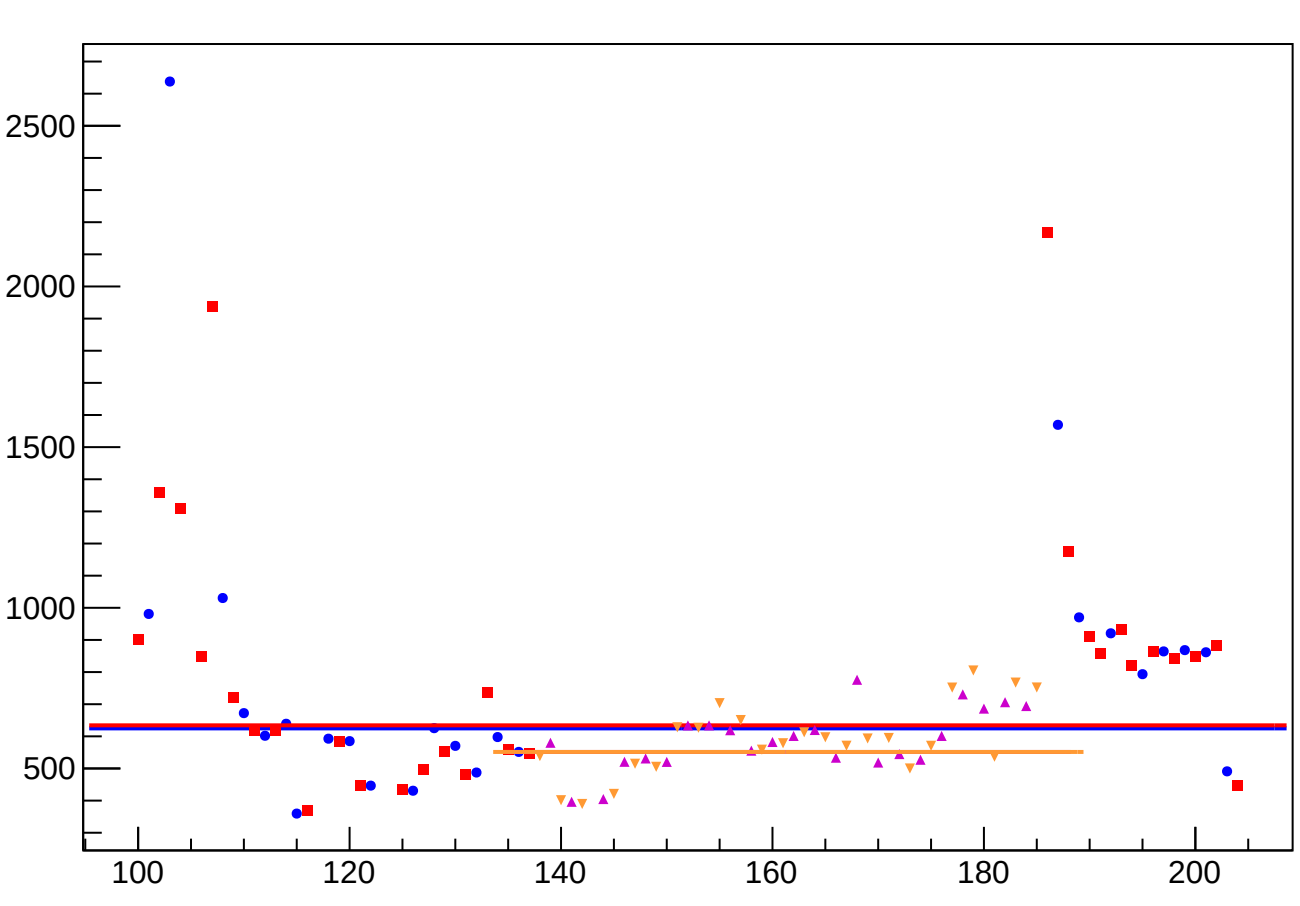
Right: 1181.422+/-0.158 χ^2/NDF: 881877.8/52

In: 1141.088+/-0.144 χ^2/NDF:385336.9/46

Out: 1148.030+/-0.140 χ^2/NDF:604709.7/52

All: 1144.653+/-0.100 χ^2/NDF: 991240.2/99


asym_usl_atl1_dd_reg_correction_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
100
120
140
160
180
200
Right In: -413.459+/-182.767 χ²/NDF: 33.3/23
Left Out: -535.899+/-130.646 χ²/NDF:61.6/23
Right Out: 232.614+/-175.335 χ²/NDF: 31.1/28
Left In: 85.254+/-130.966 χ²/NDF:17.1/22
Left: -226.082+/-92.494 χ²/NDF: 90.0/46
Right: -77.019+/-126.527 χ²/NDF: 70.9/52
In: -83.944+/-106.456 χ²/NDF:55.4/46
Out: -261.541+/-104.762 χ²/NDF:105.0/52
All: -174.167+/-74.670 χ²/NDF: 161.8/99



Right In: 624.738+/-0.129 χ^2/NDF: 2479336.4/23

Left Out: 551.440+/-0.092 χ^2/NDF:1226616.4/23

Right Out: 634.237+/-0.124 χ^2/NDF: 3454414.0/28

Left In: 551.336+/-0.093 χ^2/NDF:1061764.2/22

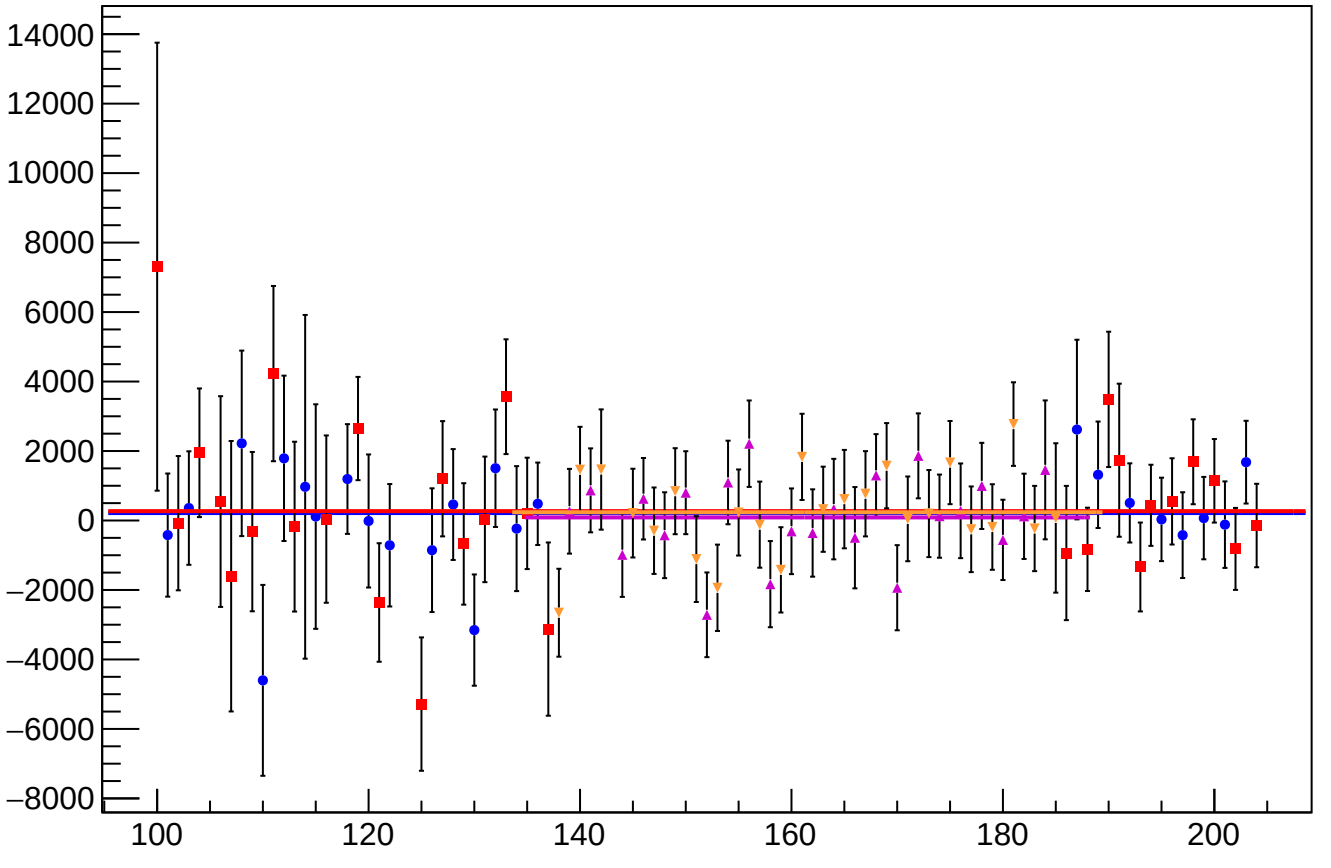
Left: 551.388+/-0.065 χ^2/NDF: 2288381.2/46

Right: 629.685+/-0.089 χ^2/NDF: 5936563.5/52

In: 576.239+/-0.075 χ^2/NDF:3754245.1/46

Out: 580.998+/-0.074 χ^2/NDF:4967800.0/52

All: 578.657+/-0.053 χ^2/NDF: 8724075.8/99



Right In: 214.190+/-324.476 χ^2/NDF: 13.7/23

Left Out: 236.642+/-259.669 χ^2/NDF:22.7/23

Right Out: 269.379+/-306.790 χ^2/NDF: 33.5/28

Left In: 88.370+/-261.602 χ^2/NDF:20.9/22

Left: 163.056+/-184.293 χ^2/NDF: 43.8/46

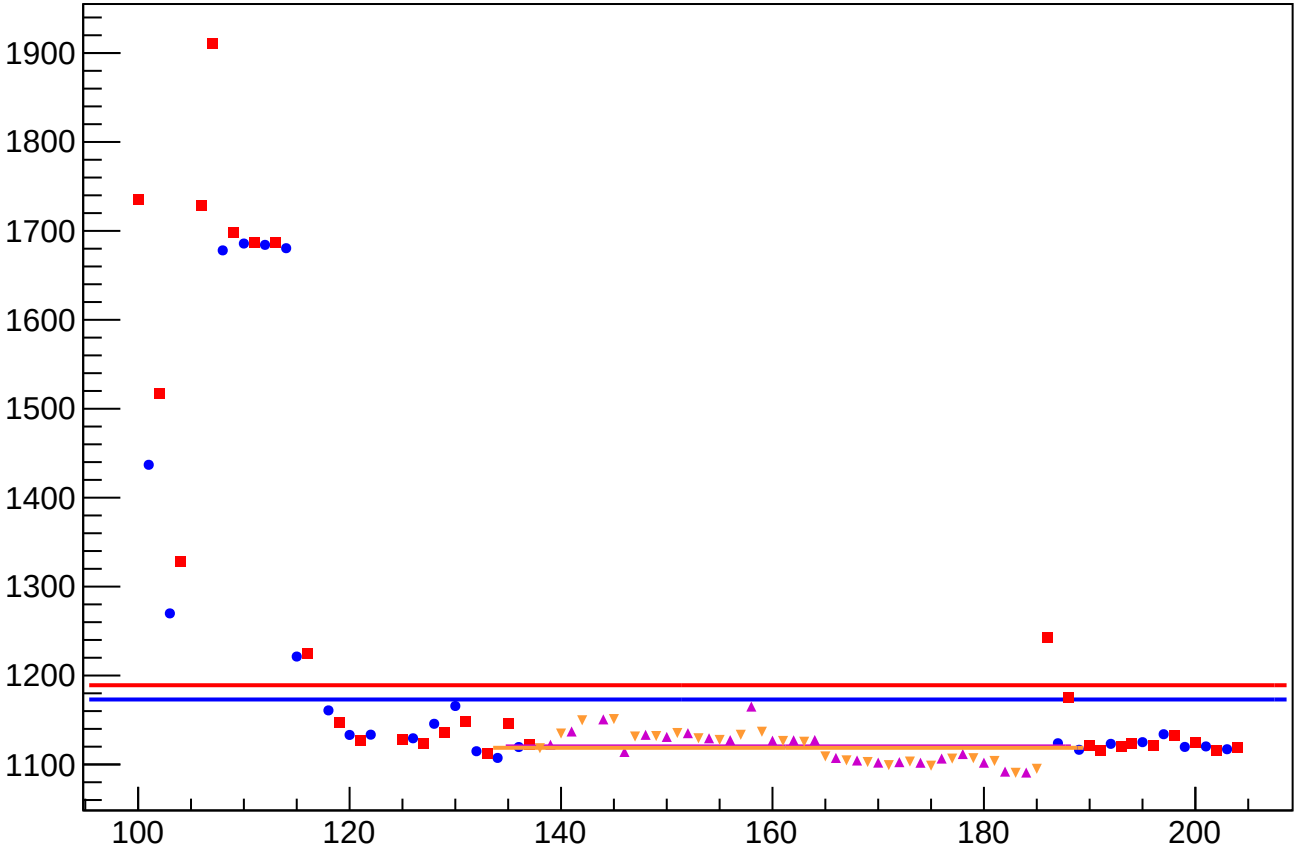
Right: 243.329+/-222.924 χ^2/NDF: 47.3/52

In: 137.936+/-203.657 χ^2/NDF:34.7/46

Out: 250.306+/-198.203 χ^2/NDF:56.3/52

All: 195.646+/-142.040 χ^2/NDF: 91.1/99

cor_asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1173.056+/-0.229 χ^2/NDF: 343825.7/23

Left Out: 1118.733+/-0.184 χ^2/NDF:8205.0/23

Right Out: 1189.089+/-0.217 χ^2/NDF: 543393.2/28

Left In: 1120.308+/-0.185 χ^2/NDF:9479.7/22

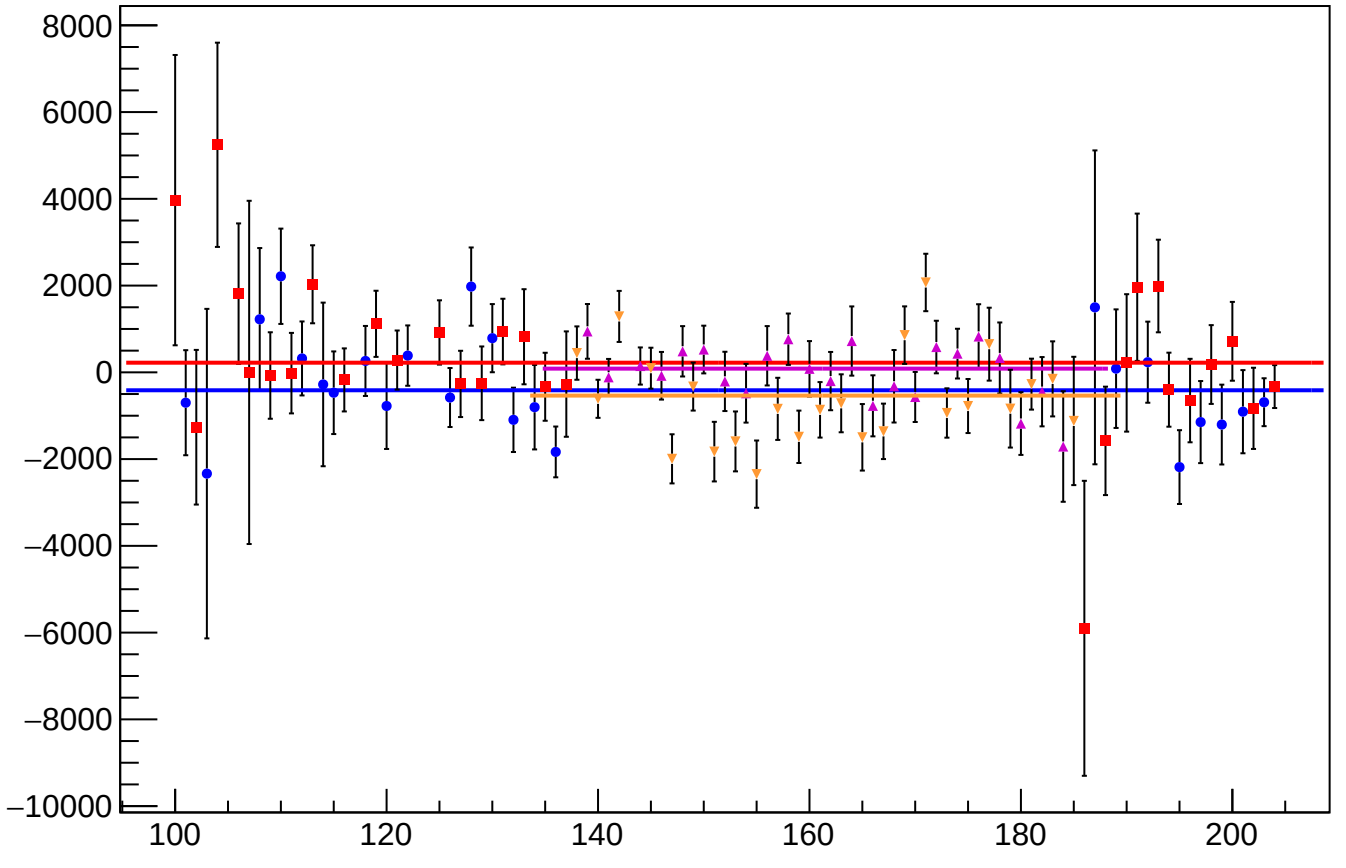
Left: 1119.515+/-0.130 χ^2/NDF: 17721.2/46

Right: 1181.521+/-0.158 χ^2/NDF: 889797.2/52

In: 1141.088+/-0.144 χ^2/NDF:385336.9/46

Out: 1148.099+/-0.140 χ^2/NDF:612878.6/52

All: 1144.688+/-0.100 χ^2/NDF: 999432.8/99



Right In: -413.443+/-182.766 χ^2/NDF: 33.3/23

Left Out: -535.930+/-130.646 χ^2/NDF:61.6/23

Right Out: 222.300+/-175.501 χ^2/NDF: 30.1/28

Left In: 85.243+/-130.966 χ^2/NDF:17.1/22

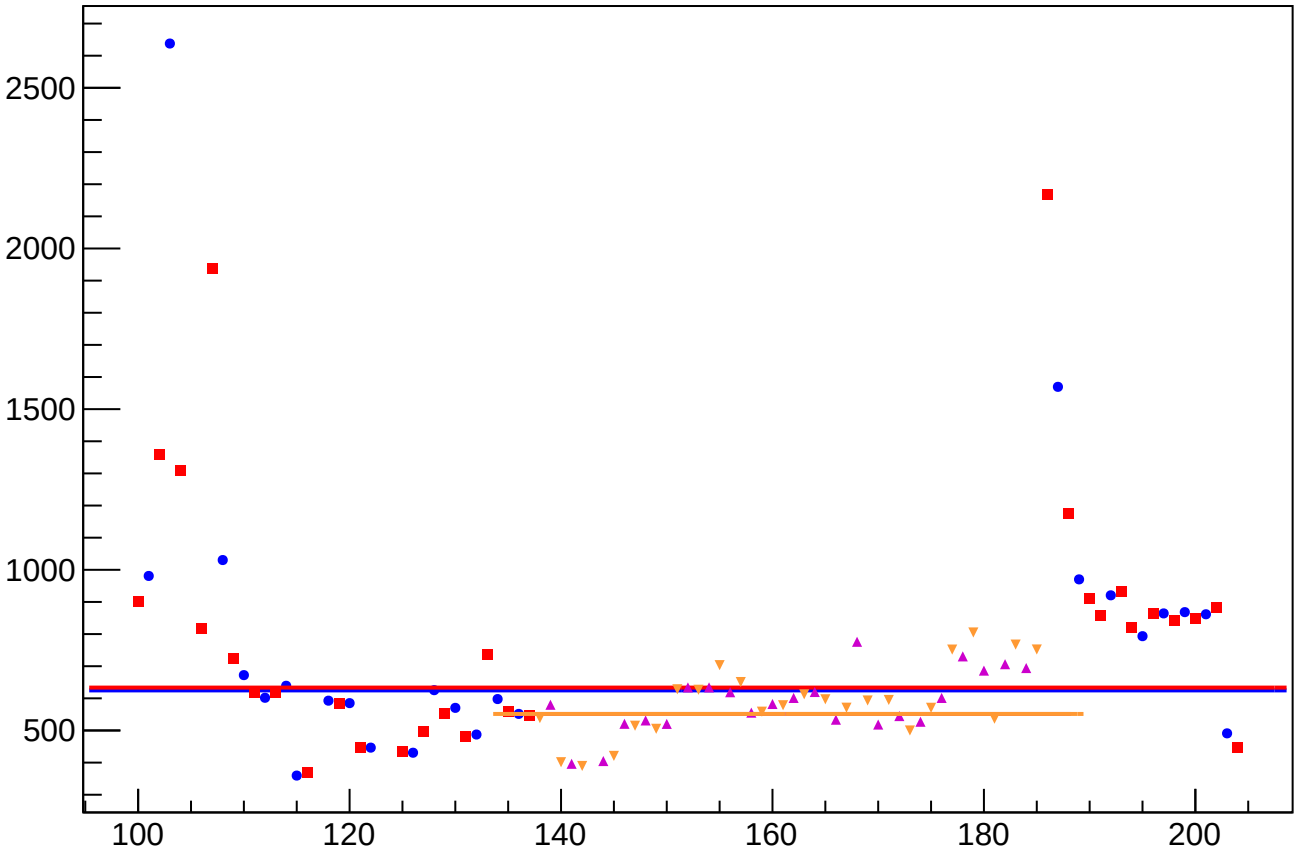
Left: -226.102+/-92.493 χ^2/NDF: 90.0/46

Right: -82.686+/-126.589 χ^2/NDF: 69.7/52

In: -83.947+/-106.456 χ^2/NDF:55.4/46

Out: -265.573+/-104.797 χ^2/NDF:103.7/52

All: -176.186+/-74.682 χ^2/NDF: 160.5/99



Right In: 624.733+/-0.129 χ^2/NDF: 2479354.3/23

Left Out: 551.439+/-0.092 χ^2/NDF:1226632.2/23

Right Out: 633.457+/-0.124 χ^2/NDF: 3439711.4/28

Left In: 551.335+/-0.093 χ^2/NDF:1061731.9/22

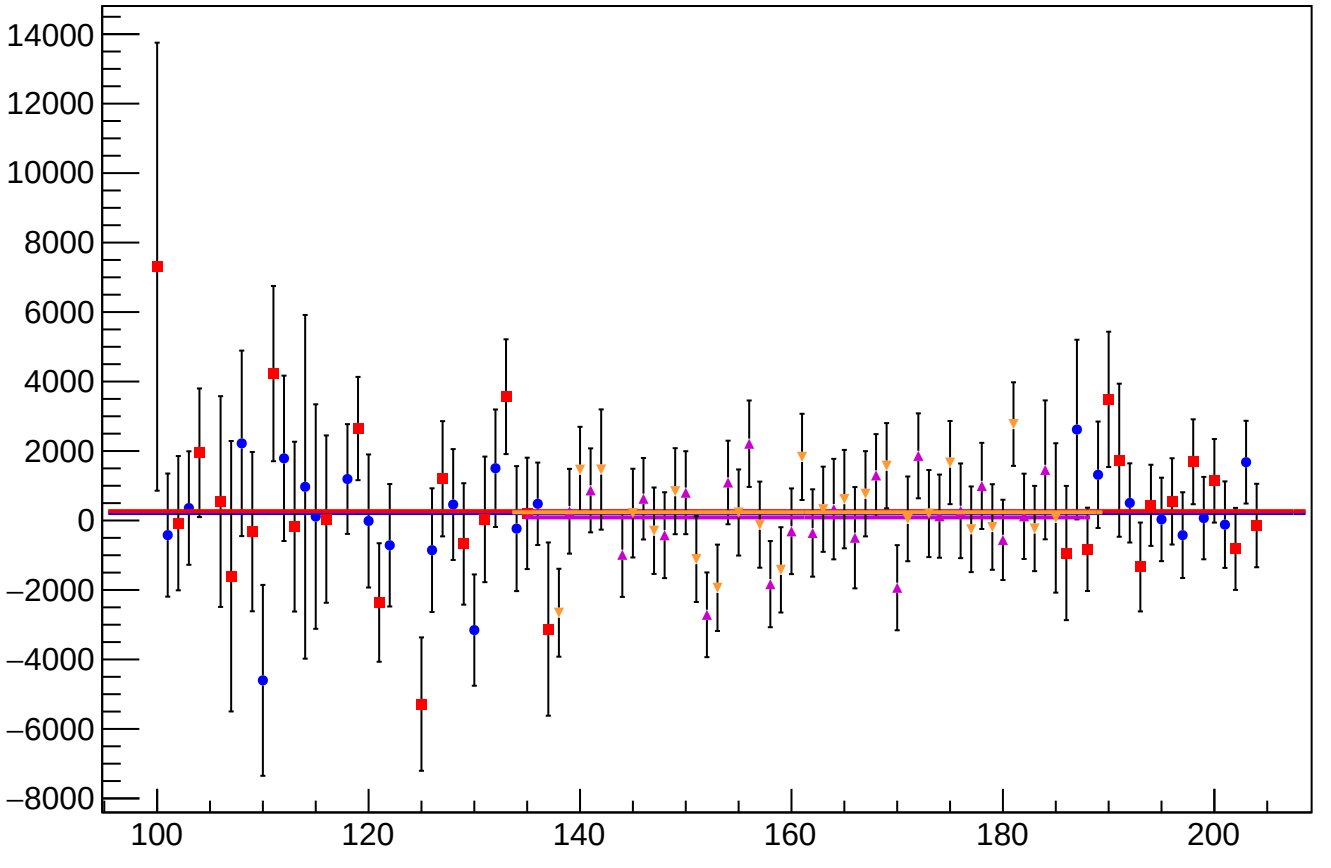
Left: 551.388+/-0.065 χ^2/NDF: 2288364.7/46

Right: 629.272+/-0.090 χ^2/NDF: 5921436.7/52

In: 576.237+/-0.075 χ^2/NDF:3754206.4/46

Out: 580.684+/-0.074 χ^2/NDF:4947400.0/52

All: 578.495+/-0.053 χ^2/NDF: 8703378.8/99



Right In: 214.190+/-324.476 χ^2/NDF: 13.7/23

Left Out: 236.642+/-259.669 χ^2/NDF:22.7/23

Right Out: 269.379+/-306.790 χ^2/NDF: 33.5/28

Left In: 88.370+/-261.602 χ^2/NDF:20.9/22

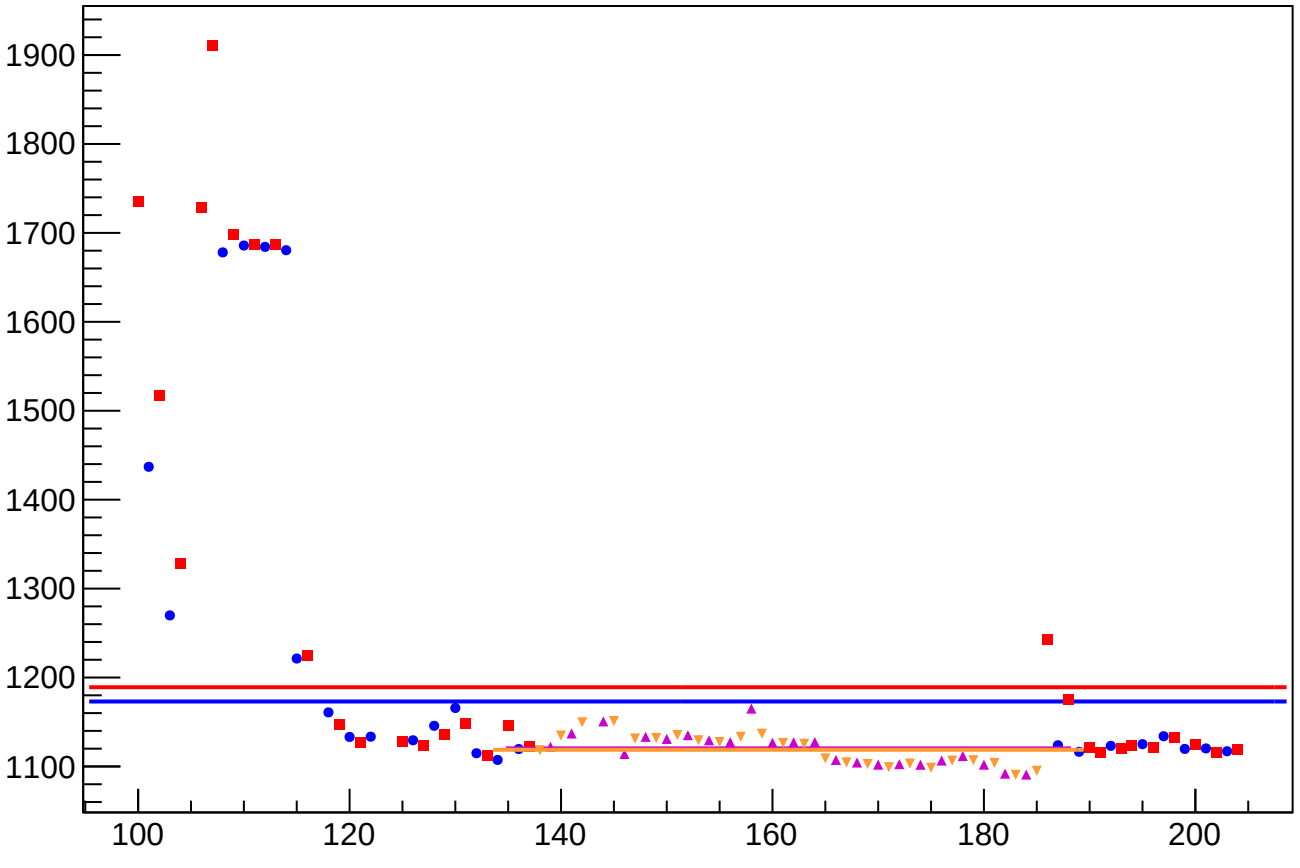
Left: 163.056+/-184.293 χ^2/NDF: 43.8/46

Right: 243.329+/-222.924 χ^2/NDF: 47.3/52

In: 137.936+/-203.657 χ^2/NDF:34.7/46

Out: 250.306+/-198.203 χ^2/NDF:56.3/52

All: 195.646+/-142.040 χ^2/NDF: 91.1/99



Right In: 1173.056+/-0.229 χ^2/NDF: 343825.7/23

Left Out: 1118.733+/-0.184 χ^2/NDF:8205.0/23

Right Out: 1189.089+/-0.217 χ^2/NDF: 543393.2/28

Left In: 1120.308+/-0.185 χ^2/NDF:9479.7/22

Left: 1119.515+/-0.130 χ^2/NDF: 17721.2/46

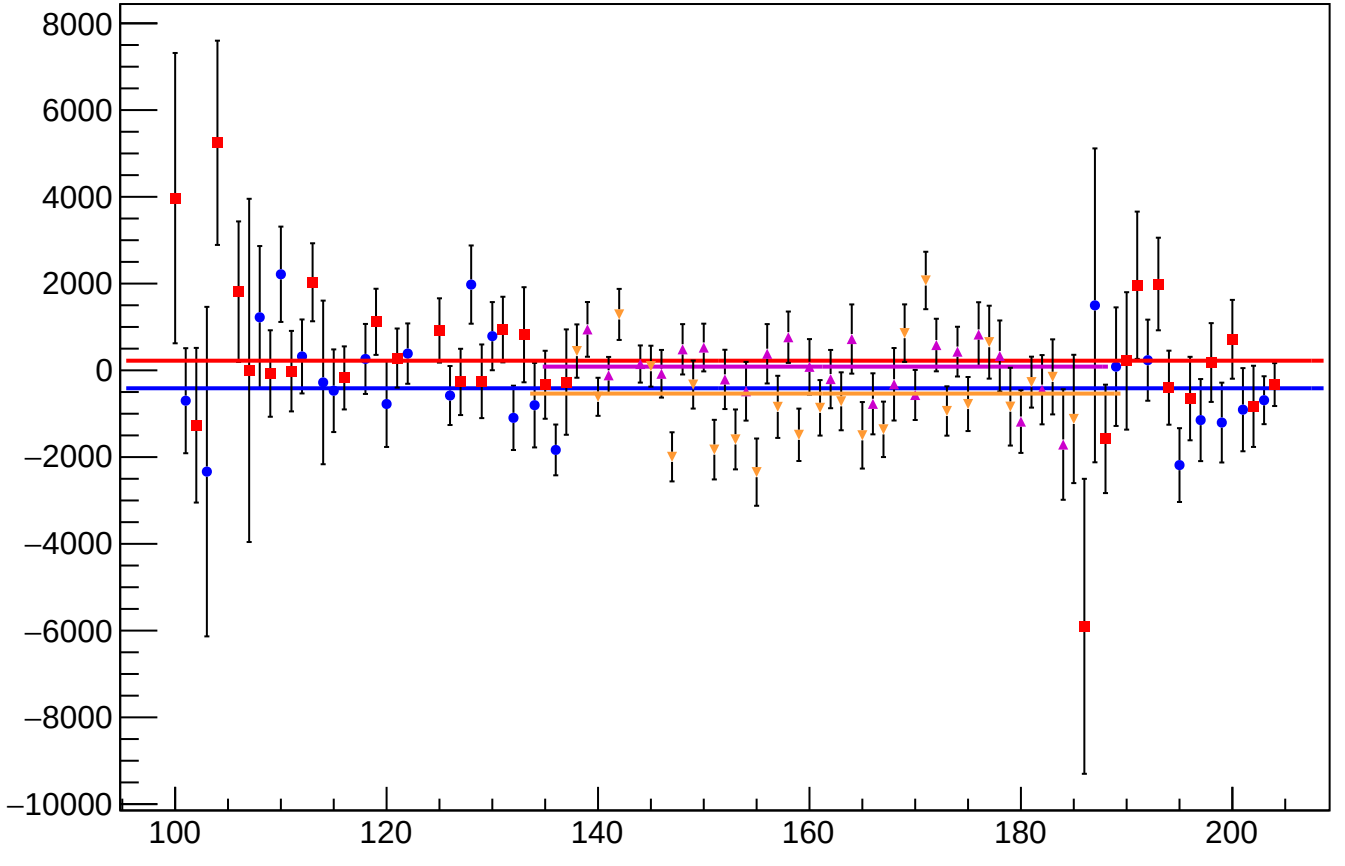
Right: 1181.521+/-0.158 χ^2/NDF: 889797.2/52

In: 1141.088+/-0.144 χ^2/NDF:385336.9/46

Out: 1148.099+/-0.140 χ^2/NDF:612878.6/52

All: 1144.688+/-0.100 χ^2/NDF: 999432.8/99

asym_usl_atl1_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -413.443+/-182.766 χ^2/NDF: 33.3/23

Left Out: -535.930+/-130.646 χ^2/NDF:61.6/23

Right Out: 222.300+/-175.501 χ^2/NDF: 30.1/28

Left In: 85.243+/-130.966 χ^2/NDF:17.1/22

Left: -226.102+/-92.493 χ^2/NDF: 90.0/46

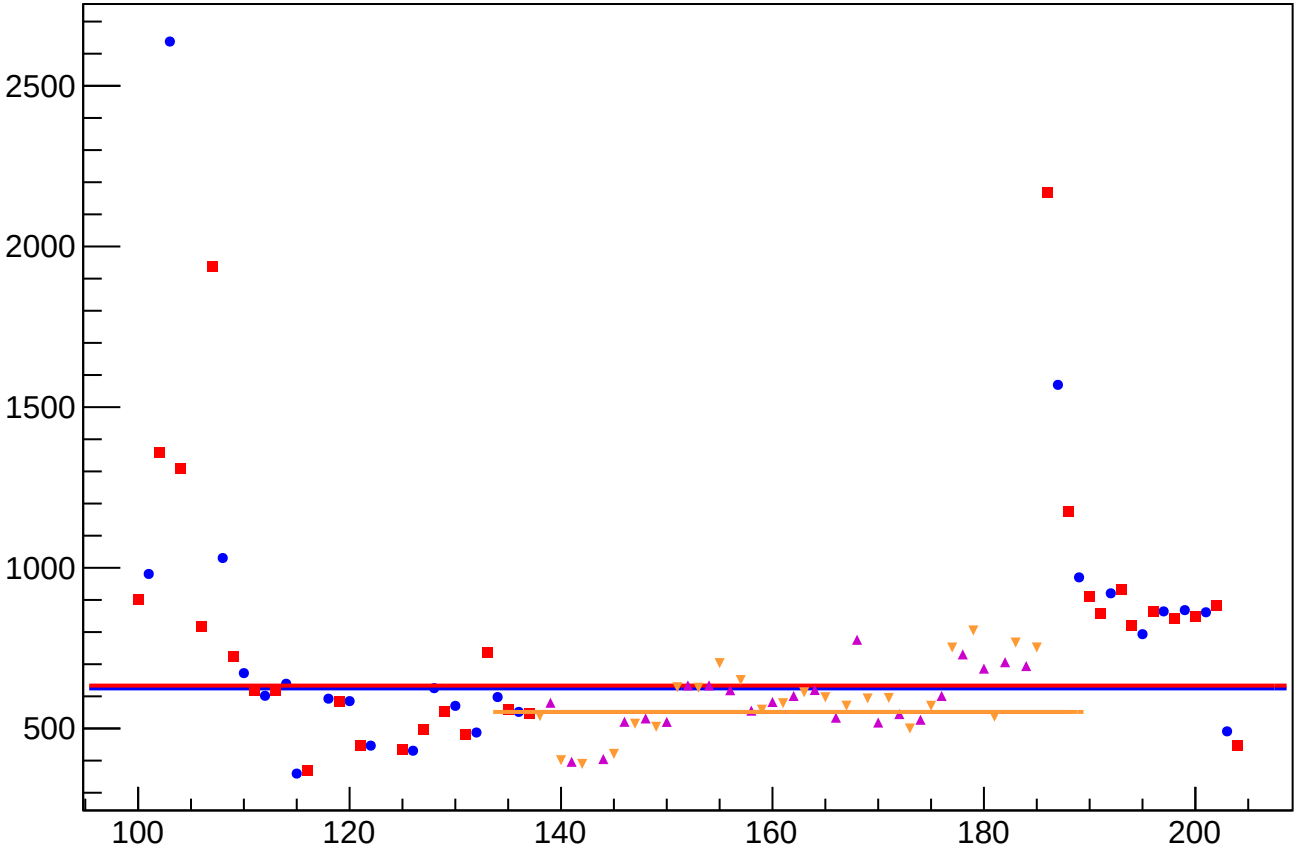
Right: -82.686+/-126.589 χ^2/NDF: 69.7/52

In: -83.947+/-106.456 χ^2/NDF:55.4/46

Out: -265.573+/-104.797 χ^2/NDF:103.7/52

All: -176.186+/-74.682 χ^2/NDF: 160.5/99

asym_usl_atl1_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 624.733+/-0.129 χ^2/NDF: 2479354.3/23

Left Out: 551.439+/-0.092 χ^2/NDF:1226632.2/23

Right Out: 633.457+/-0.124 χ^2/NDF: 3439711.4/28

Left In: 551.335+/-0.093 χ^2/NDF:1061731.9/22

Left: 551.388+/-0.065 χ^2/NDF: 2288364.7/46

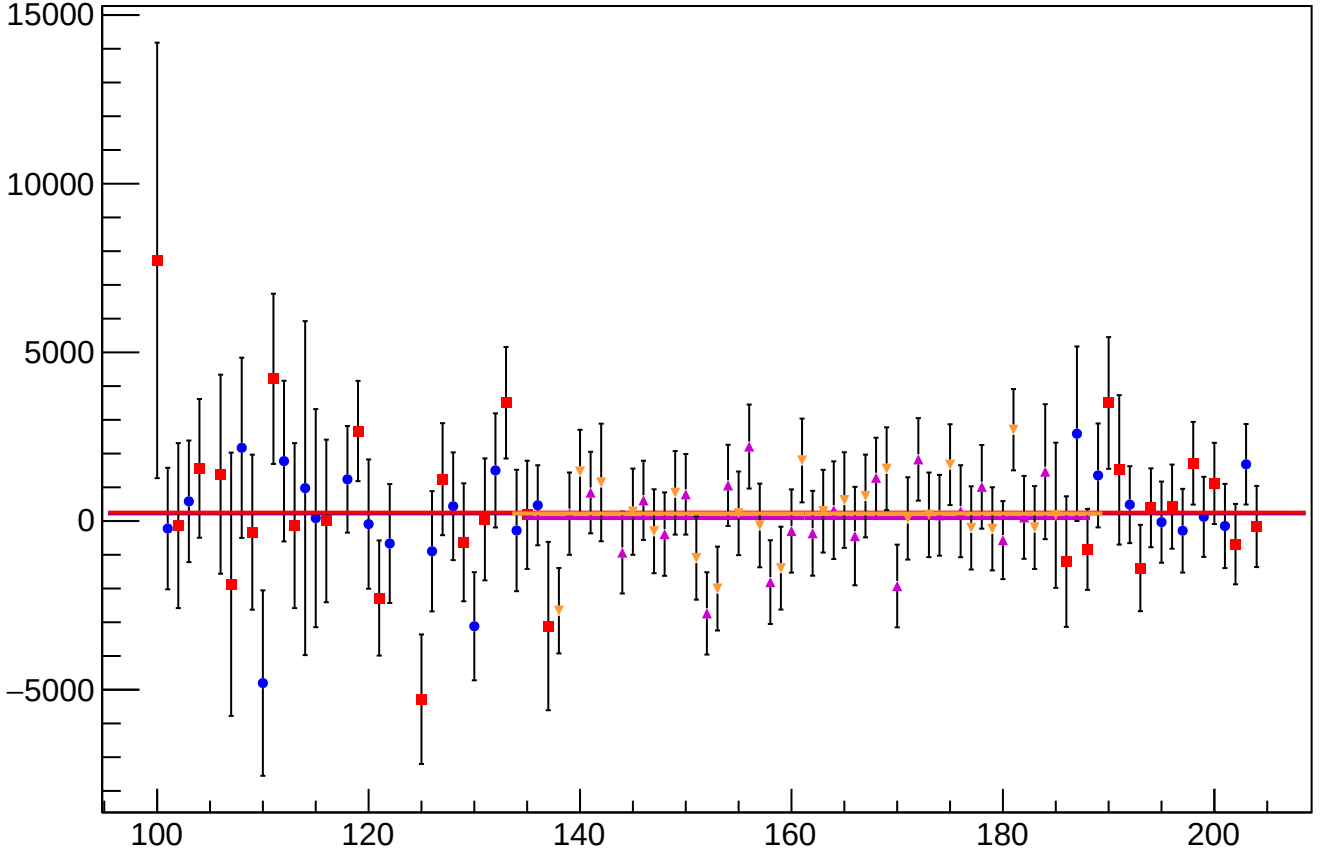
Right: 629.272+/-0.090 χ^2/NDF: 5921436.7/52

In: 576.237+/-0.075 χ^2/NDF:3754206.4/46

Out: 580.684+/-0.074 χ^2/NDF:4947400.0/52

All: 578.495+/-0.053 χ^2/NDF: 8703378.8/99

dit_asym_usl_atl1_dd_mean vs Slug, Sign Corrected



Right In: 228.195+/-326.249 χ^2/NDF: 13.8/23

Left Out: 225.663+/-259.829 χ^2/NDF:22.2/23

Right Out: 249.912+/-309.542 χ^2/NDF: 33.1/28

Left In: 89.078+/-261.717 χ^2/NDF:20.6/22

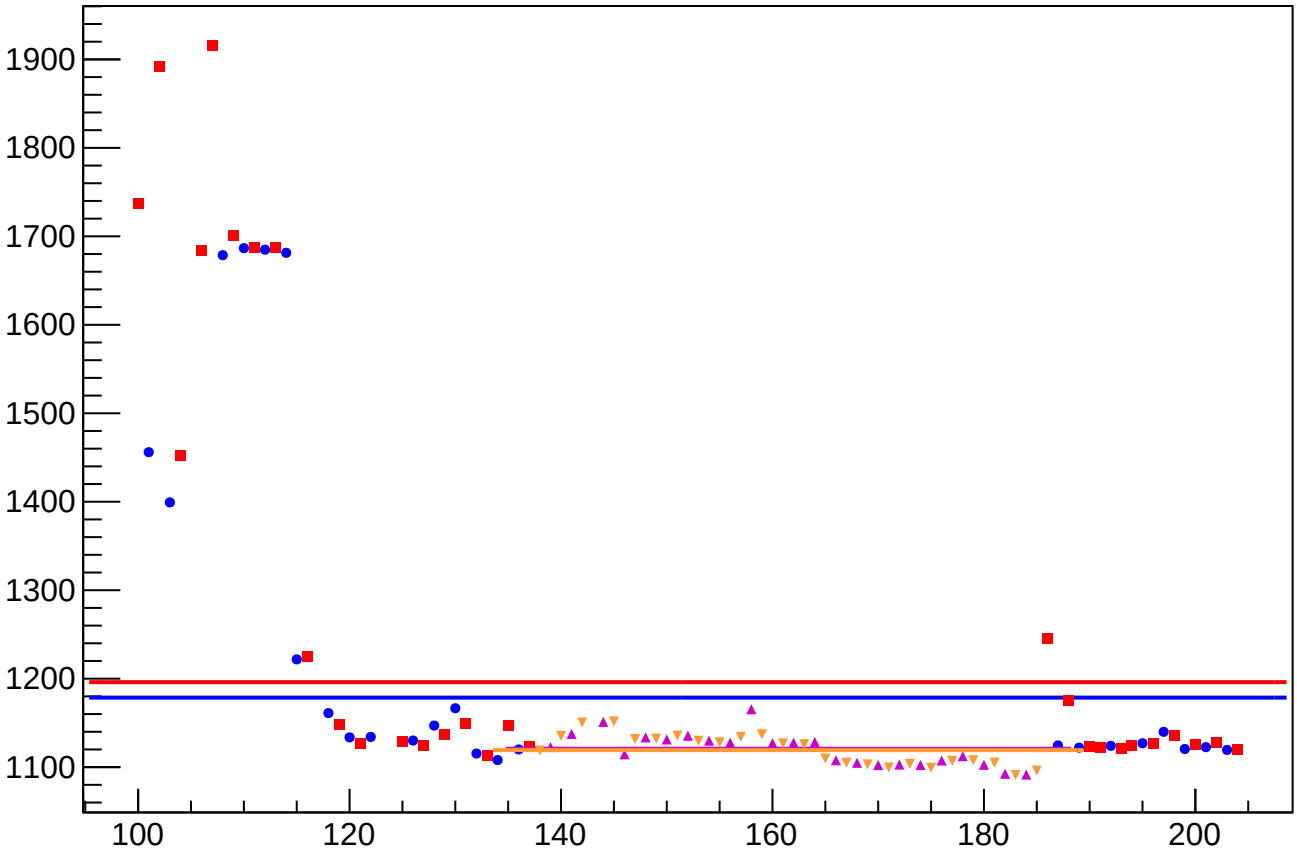
Left: 157.865+/-184.391 χ^2/NDF: 42.9/46

Right: 239.624+/-224.554 χ^2/NDF: 46.9/52

In: 143.550+/-204.147 χ^2/NDF:34.5/46

Out: 235.686+/-199.011 χ^2/NDF:55.3/52

All: 190.792+/-142.503 χ^2/NDF: 89.9/99



Right In: 1178.605+/-0.231 χ^2/NDF: 370508.6/23

Left Out: 1119.258+/-0.184 χ^2/NDF:8143.3/23

Right Out: 1196.067+/-0.219 χ^2/NDF: 661175.2/28

Left In: 1120.800+/-0.185 χ^2/NDF:9426.5/22

Left: 1120.024+/-0.130 χ^2/NDF: 17604.8/46

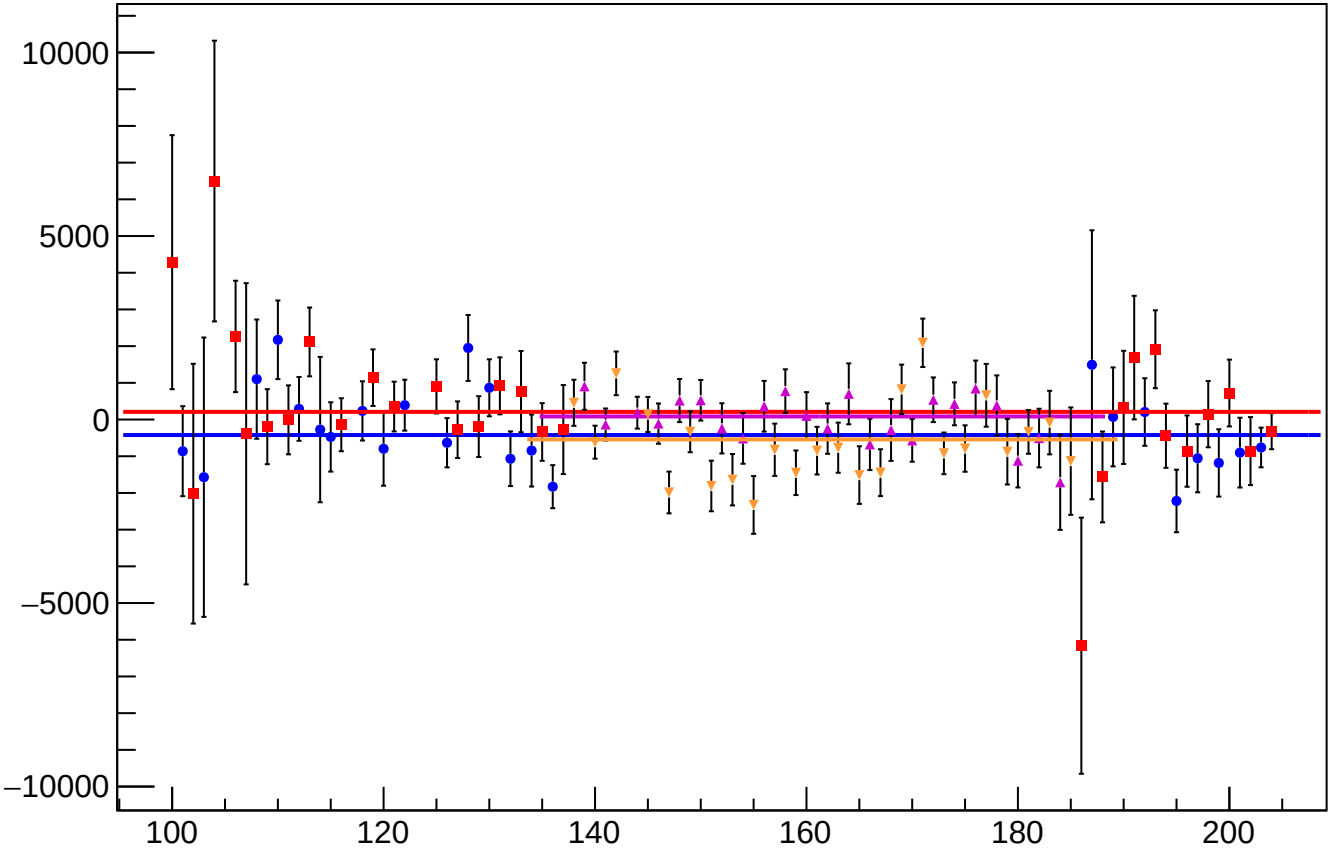
Right: 1187.794+/-0.159 χ^2/NDF: 1034699.0/52

In: 1143.434+/-0.144 χ^2/NDF:418136.7/46

Out: 1151.007+/-0.141 χ^2/NDF:741560.6/52

All: 1147.317+/-0.101 χ^2/NDF: 1161108.5/99

asym_usl_atl1_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: -422.155+/-181.931 χ^2/NDF: 33.5/23

Left Out: -541.592+/-132.012 χ^2/NDF:60.9/23

Right Out: 209.654+/-176.778 χ^2/NDF: 29.0/28

Left In: 84.122+/-132.548 χ^2/NDF:16.4/22

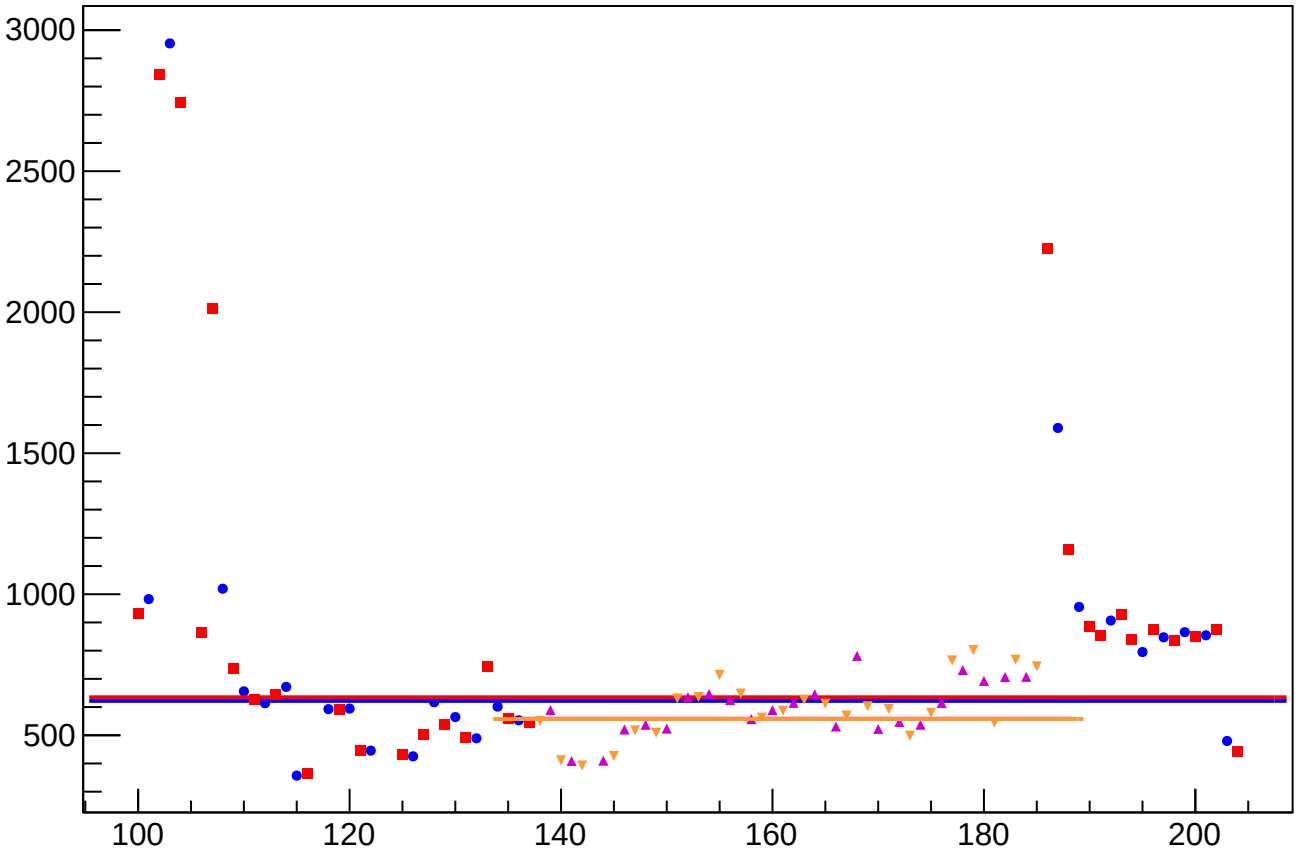
Left: -230.004+/-93.535 χ^2/NDF: 88.5/46

Right: -97.176+/-126.784 χ^2/NDF: 68.7/52

In: -91.429+/-107.131 χ^2/NDF:54.9/46

Out: -272.638+/-105.773 χ^2/NDF:101.5/52

All: -183.189+/-75.268 χ^2/NDF: 157.8/99



Right In: 622.004+/-0.129 χ^2/NDF: 2664261.2/23

Left Out: 557.592+/-0.093 χ^2/NDF:1193270.2/23

Right Out: 634.585+/-0.125 χ^2/NDF: 4382735.1/28

Left In: 558.393+/-0.094 χ^2/NDF:1027814.4/22

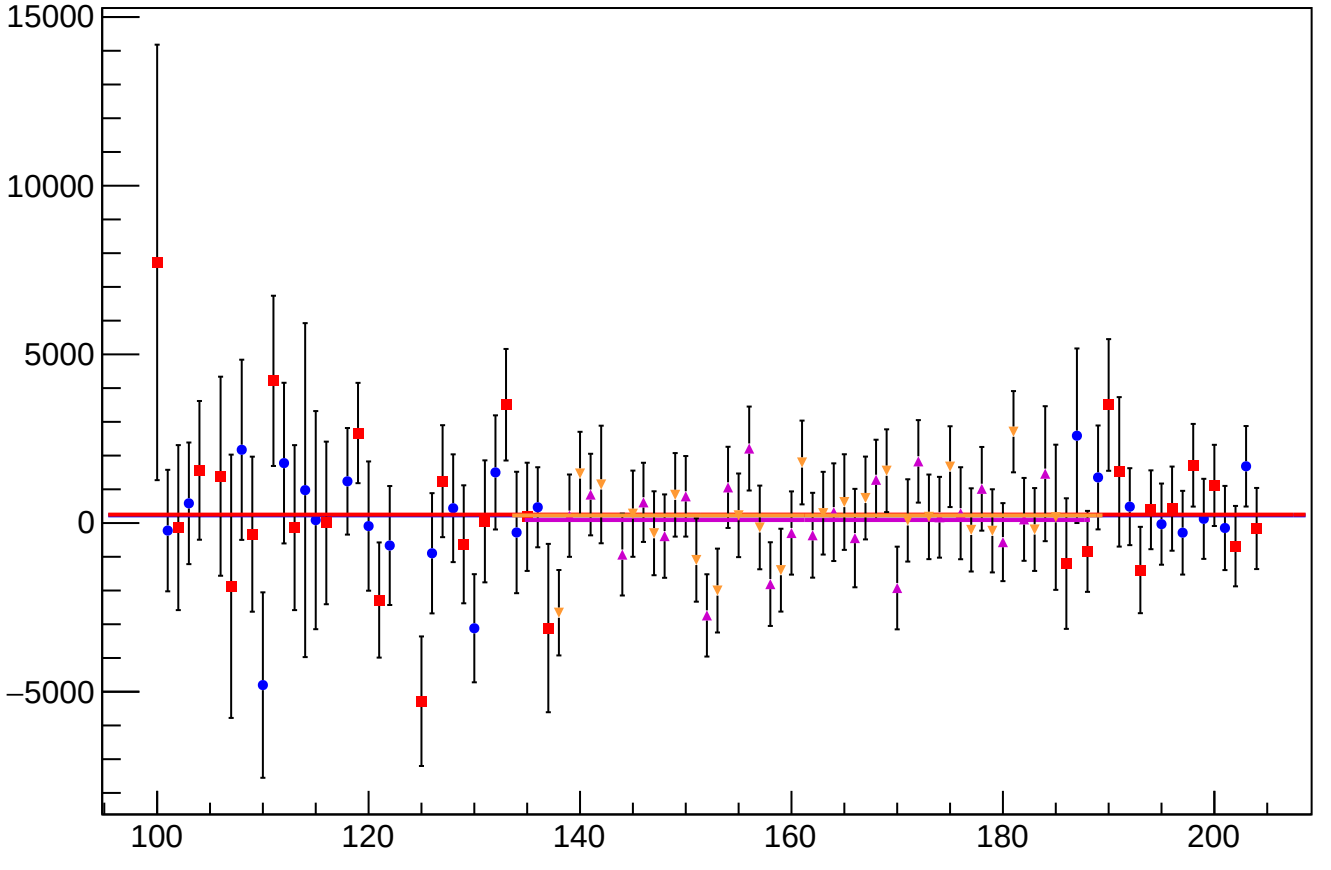
Left: 557.991+/-0.066 χ^2/NDF: 2221121.2/46

Right: 628.475+/-0.090 χ^2/NDF: 7051915.2/52

In: 580.450+/-0.076 χ^2/NDF:3851798.3/46

Out: 585.156+/-0.075 χ^2/NDF:5819563.5/52

All: 582.833+/-0.053 χ^2/NDF: 9673316.0/99



Right In: 228.196+/-326.249 χ^2/NDF: 13.8/23

Left Out: 225.661+/-259.829 χ^2/NDF:22.2/23

Right Out: 249.912+/-309.542 χ^2/NDF: 33.1/28

Left In: 89.079+/-261.717 χ^2/NDF:20.6/22

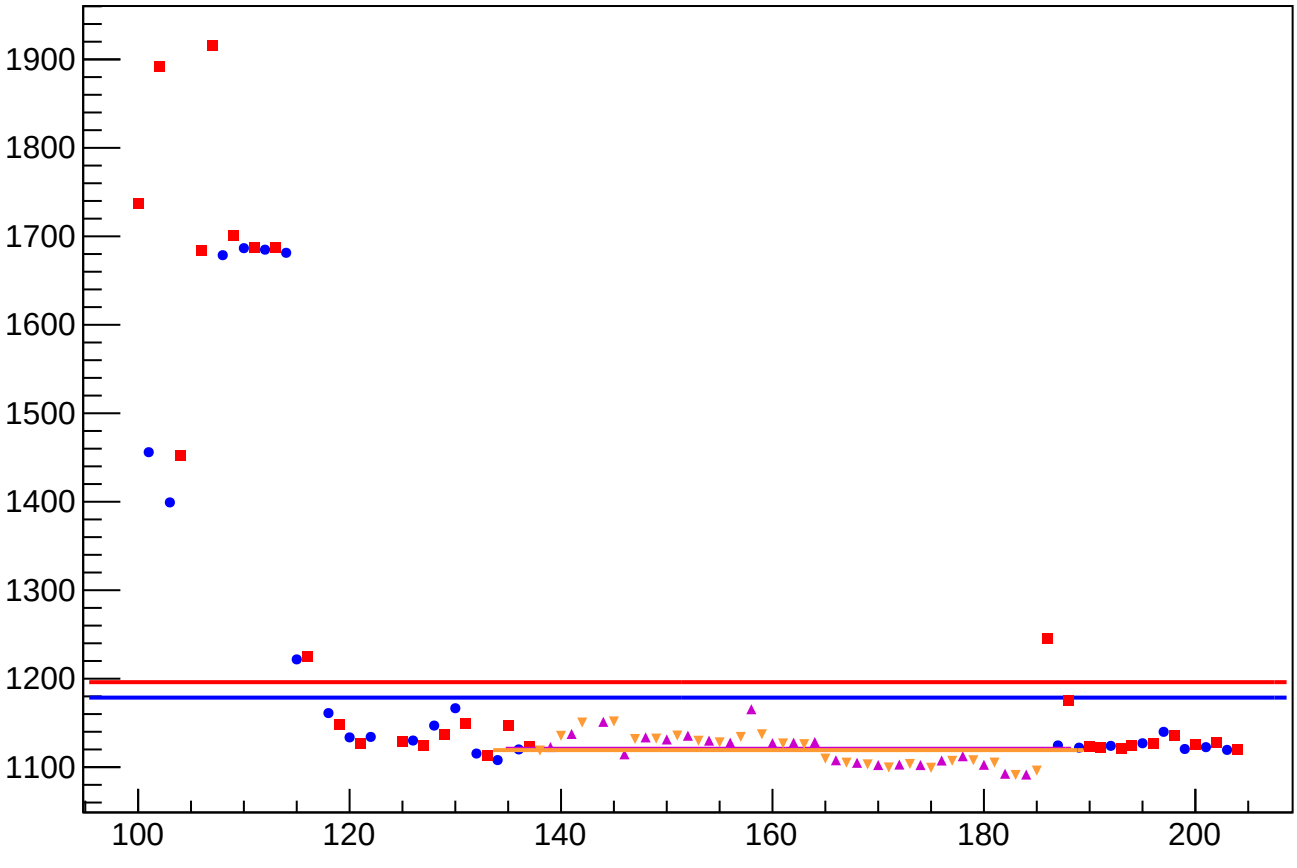
Left: 157.864+/-184.391 χ^2/NDF: 42.9/46

Right: 239.624+/-224.554 χ^2/NDF: 46.9/52

In: 143.550+/-204.147 χ^2/NDF:34.5/46

Out: 235.685+/-199.011 χ^2/NDF:55.3/52

All: 190.791+/-142.503 χ^2/NDF: 89.9/99



Right In: 1178.605+/-0.231 χ^2/NDF: 370508.2/23

Left Out: 1119.258+/-0.184 χ^2/NDF:8143.3/23

Right Out: 1196.067+/-0.219 χ^2/NDF: 661174.5/28

Left In: 1120.800+/-0.185 χ^2/NDF:9426.5/22

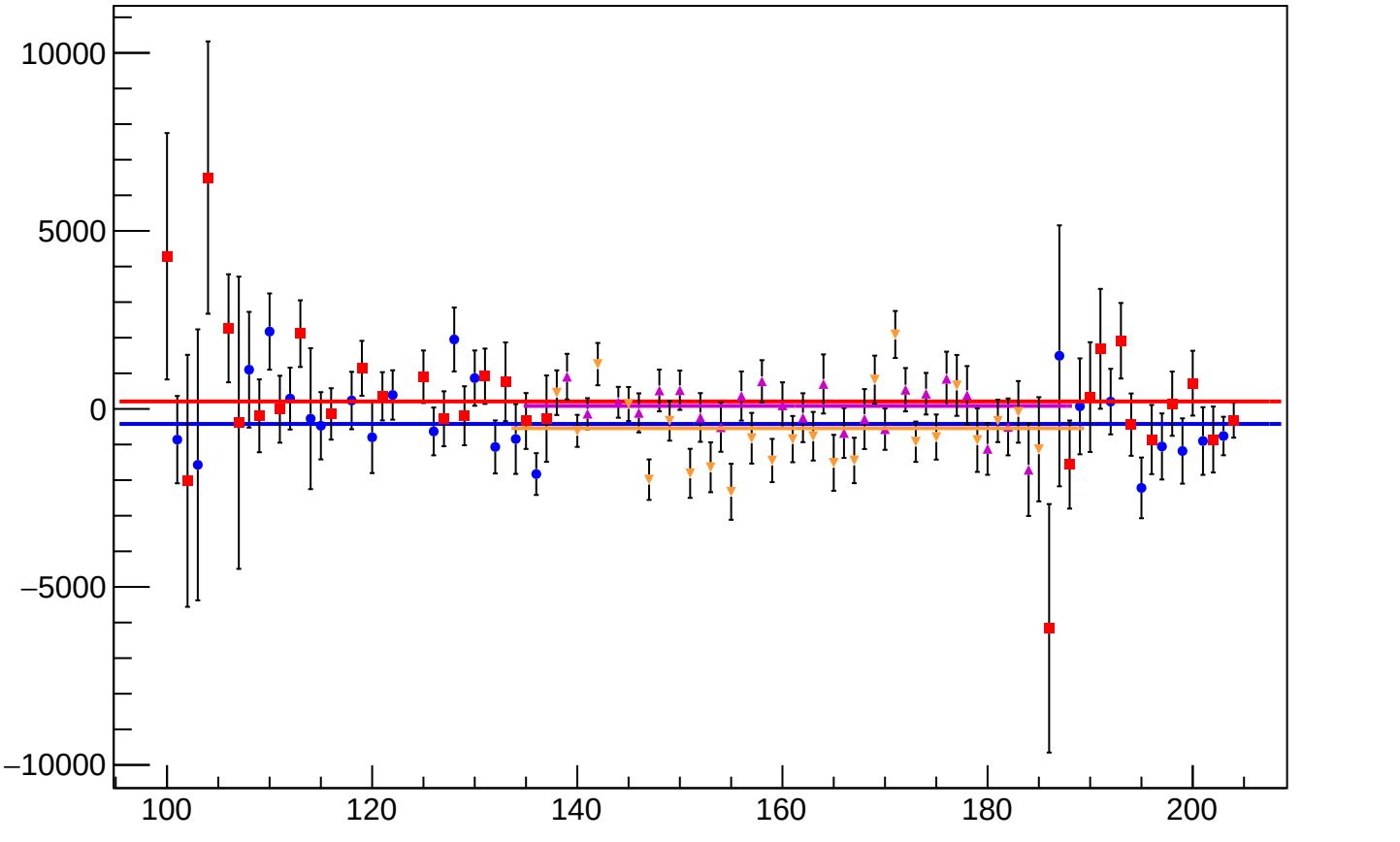
Left: 1120.024+/-0.130 χ^2/NDF: 17604.8/46

Right: 1187.794+/-0.159 χ^2/NDF: 1034697.8/52

In: 1143.434+/-0.144 χ^2/NDF:418136.2/46

Out: 1151.007+/-0.141 χ^2/NDF:741559.9/52

All: 1147.317+/-0.101 χ^2/NDF: 1161107.2/99



Right In: -422.155+/-181.931 χ^2/NDF: 33.5/23

Left Out: -541.591+/-132.012 χ^2/NDF:60.9/23

Right Out: 209.655+/-176.778 χ^2/NDF: 29.0/28

Left In: 84.122+/-132.548 χ^2/NDF:16.4/22

Left: -230.004+/-93.535 χ^2/NDF: 88.5/46

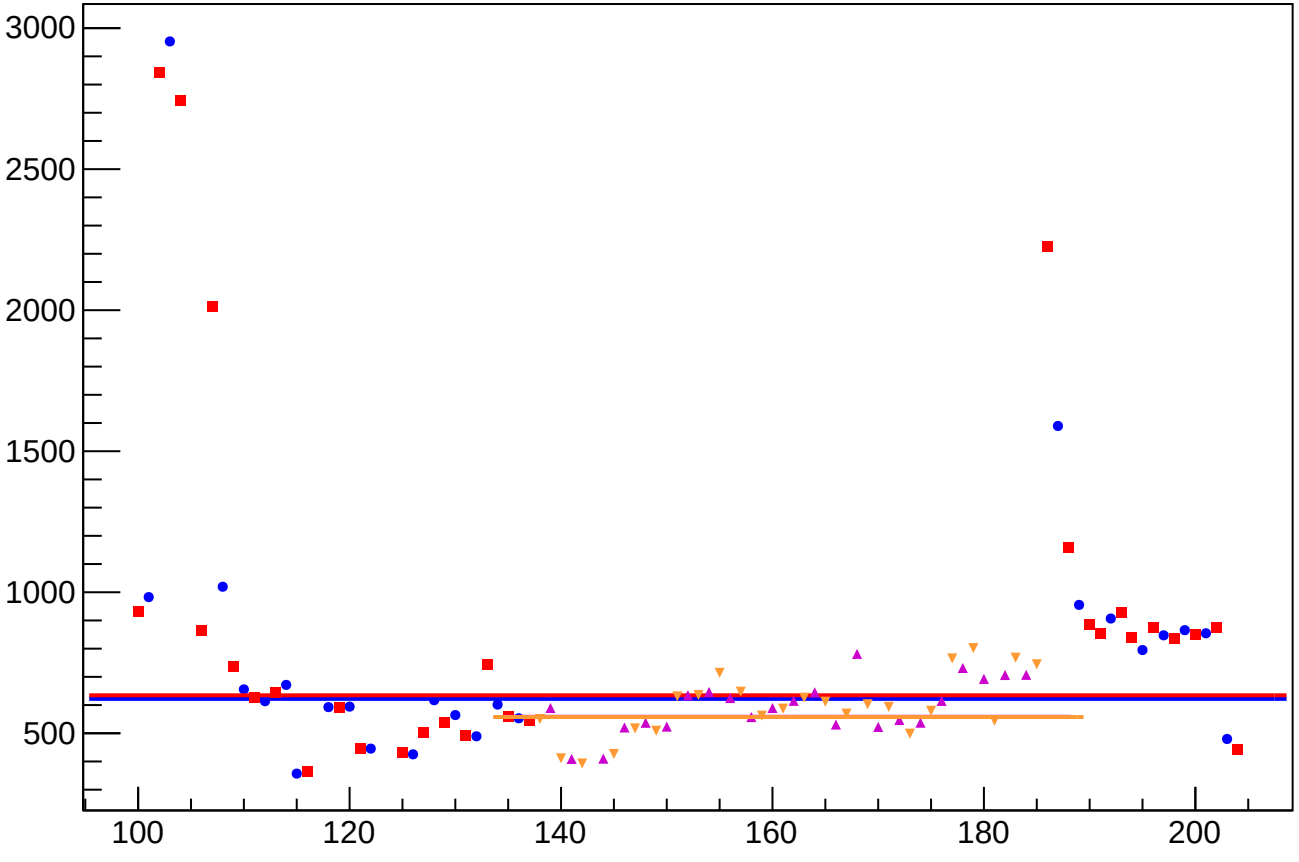
Right: -97.176+/-126.784 χ^2/NDF: 68.7/52

In: -91.429+/-107.131 χ^2/NDF:54.9/46

Out: -272.638+/-105.773 χ^2/NDF:101.5/52

All: -183.188+/-75.268 χ^2/NDF: 157.8/99

asym_usl_atl1_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 622.004+/-0.129 χ^2/NDF: 2664258.0/23

Left Out: 557.591+/-0.093 χ^2/NDF:1193291.2/23

Right Out: 634.584+/-0.125 χ^2/NDF: 4382737.3/28

Left In: 558.392+/-0.094 χ^2/NDF:1027828.9/22

Left: 557.990+/-0.066 χ^2/NDF: 2221156.8/46

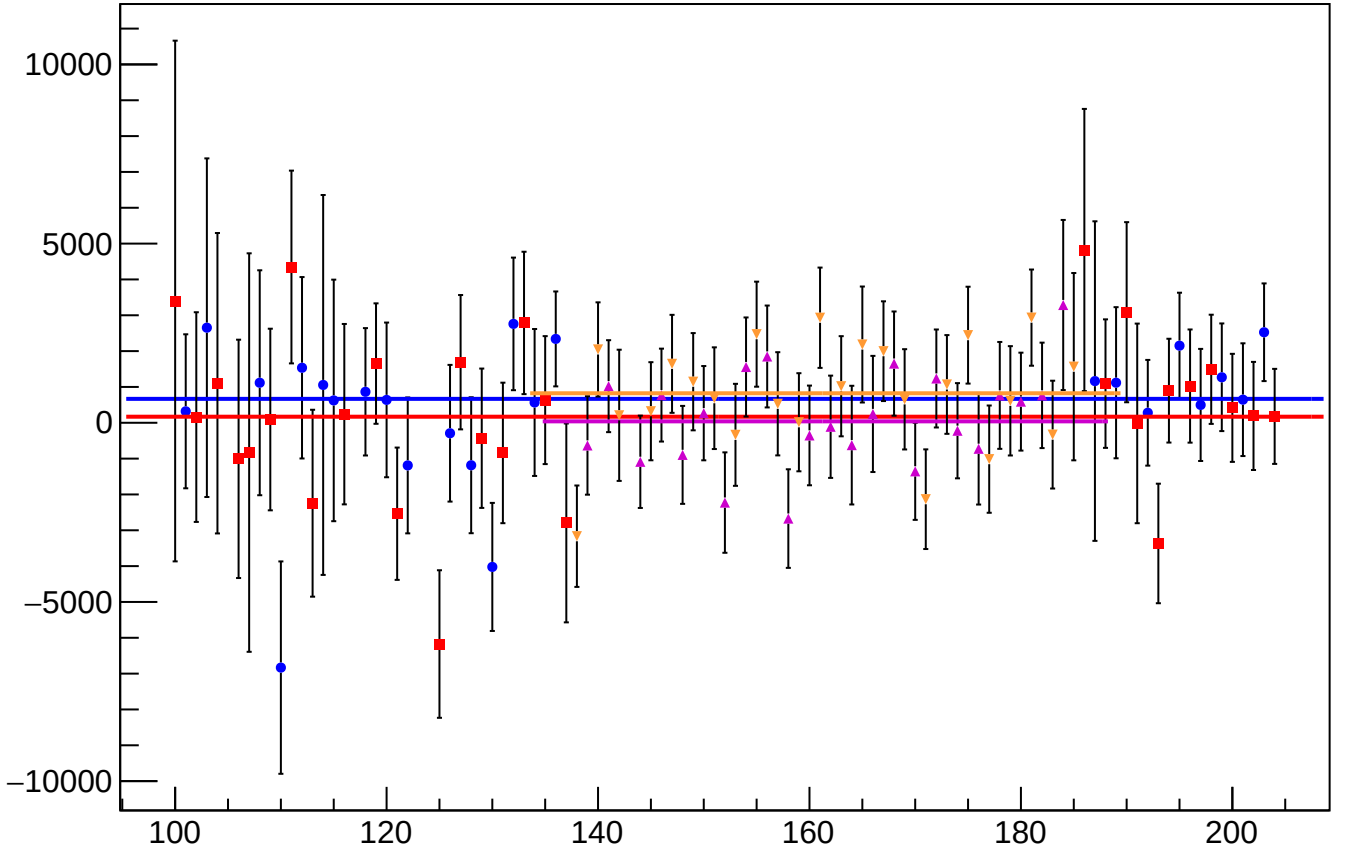
Right: 628.475+/-0.090 χ^2/NDF: 7051914.2/52

In: 580.450+/-0.076 χ^2/NDF:3851811.5/46

Out: 585.155+/-0.075 χ^2/NDF:5819589.8/52

All: 582.833+/-0.053 χ^2/NDF: 9673355.4/99

asym_usl_atl1_dd_mean vs Slug, Sign Corrected



Right In: 667.456+/-391.668 χ^2/NDF: 21.9/23

Left Out: 823.319+/-294.835 χ^2/NDF:26.2/23

Right Out: 169.484+/-375.739 χ^2/NDF: 28.9/28

Left In: 39.696+/-296.006 χ^2/NDF:17.9/22

Left: 433.060+/-208.893 χ^2/NDF: 47.6/46

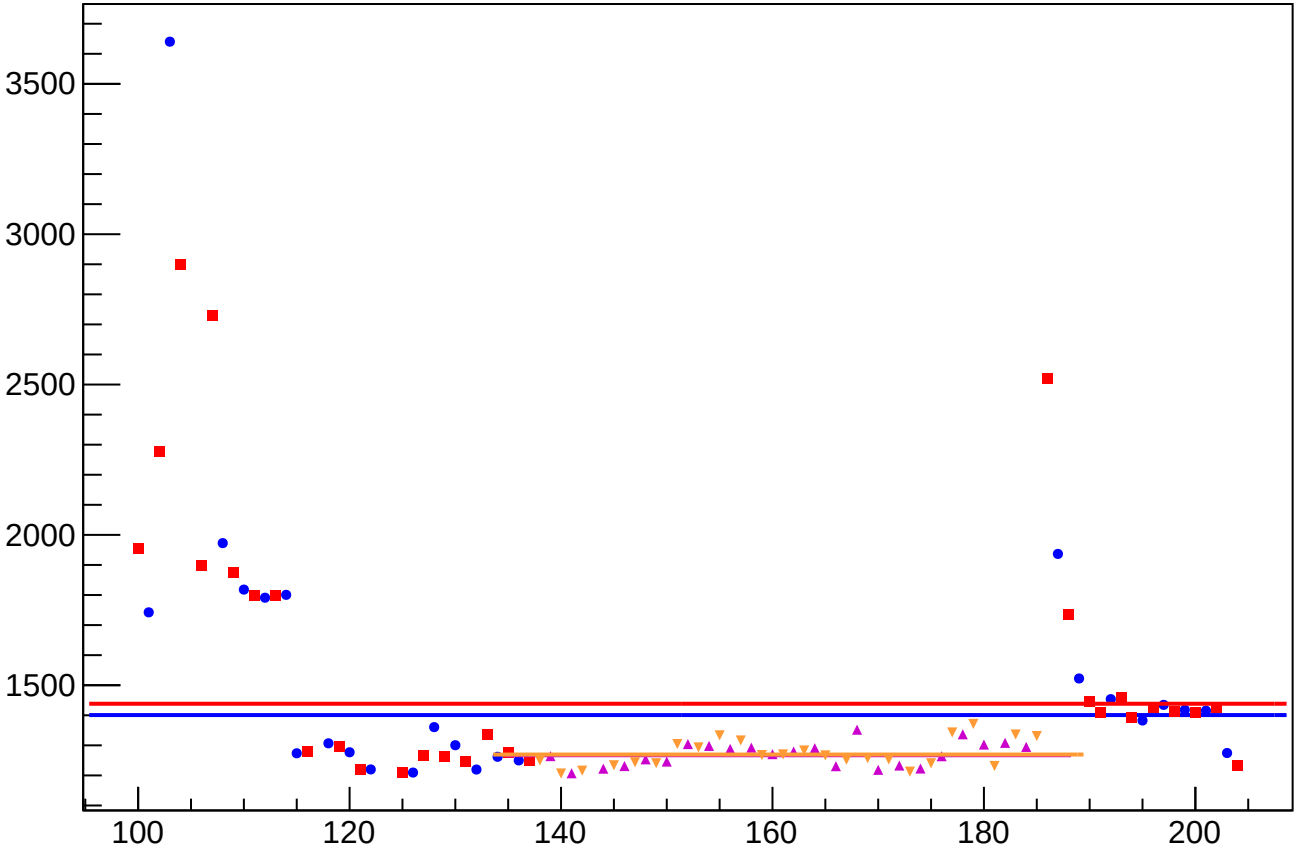
Right: 408.138+/-271.144 χ^2/NDF: 51.6/52

In: 267.907+/-236.150 χ^2/NDF:41.4/46

Out: 574.154+/-231.951 χ^2/NDF:57.0/52

All: 423.778+/-165.479 χ^2/NDF: 99.2/99

asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1400.743+/-0.277 χ^2/NDF: 836702.3/23

Left Out: 1269.441+/-0.208 χ^2/NDF:43040.3/23

Right Out: 1438.372+/-0.266 χ^2/NDF: 1113771.1/28

Left In: 1267.066+/-0.209 χ^2/NDF:34547.0/22

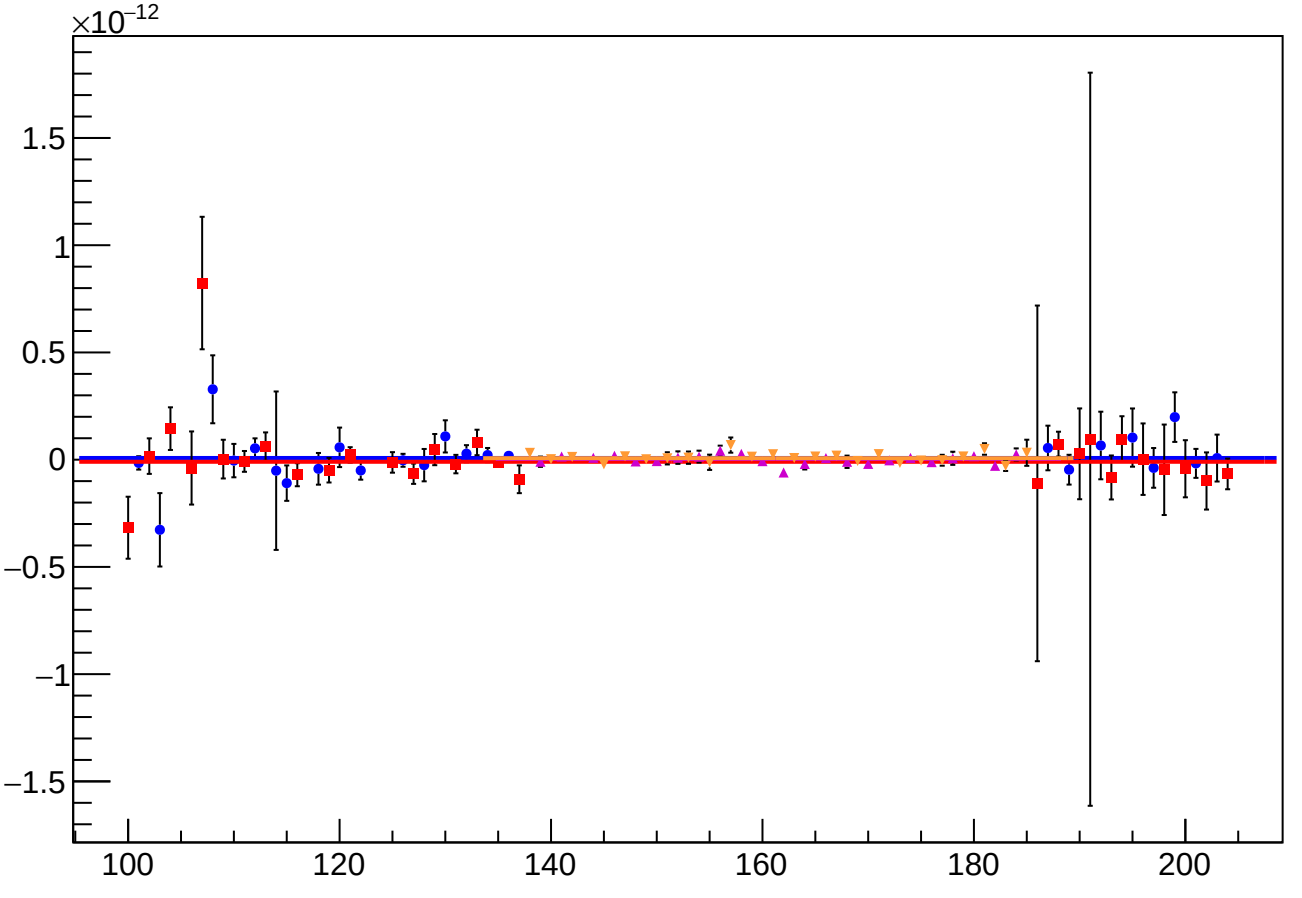
Left: 1268.258+/-0.148 χ^2/NDF: 77651.9/46

Right: 1420.338+/-0.192 χ^2/NDF: 1960086.6/52

In: 1315.662+/-0.167 χ^2/NDF:1019530.1/46

Out: 1333.817+/-0.164 χ^2/NDF:1407025.2/52

All: 1324.902+/-0.117 χ^2/NDF: 2432572.3/99



Right In: 0.000+/-0.000 χ^2/NDF: 21.4/23

Left Out: 0.000+/-0.000 χ^2/NDF:19.8/23

Right Out: -0.000+/-0.000 χ^2/NDF: 28.8/28

Left In: 0.000+/-0.000 χ^2/NDF:23.0/22

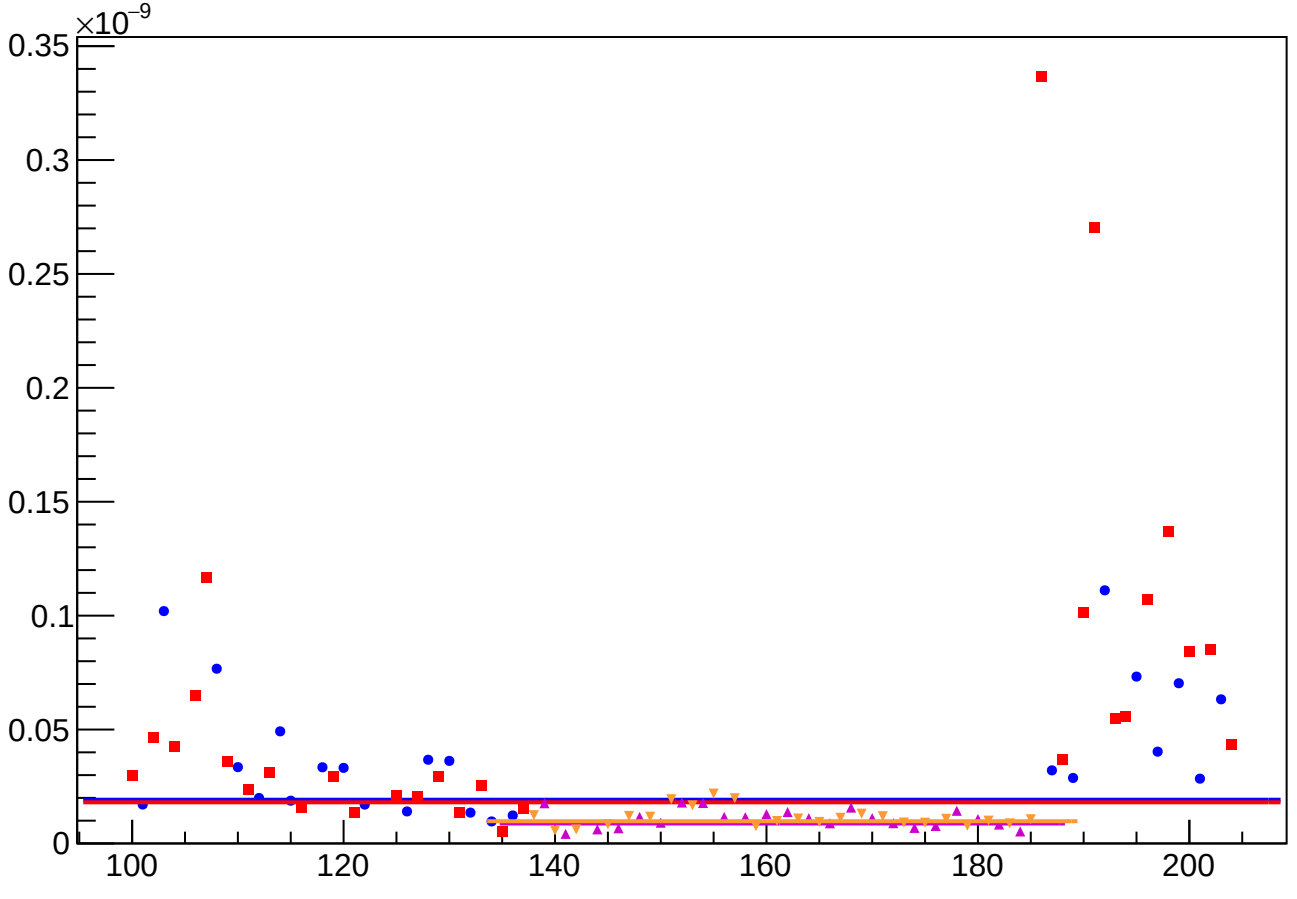
Left: 0.000+/-0.000 χ^2/NDF: 43.2/46

Right: -0.000+/-0.000 χ^2/NDF: 51.7/52

In: 0.000+/-0.000 χ^2/NDF:44.6/46

Out: 0.000+/-0.000 χ^2/NDF:50.9/52

All: 0.000+/-0.000 χ^2/NDF: 95.5/99



Right In: 0.000+/-0.000 χ^2/NDF: 3609211.1/23

Left Out: 0.000+/-0.000 χ^2/NDF:1373738.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 6326366.1/28

Left In: 0.000+/-0.000 χ^2/NDF:1928867.4/22

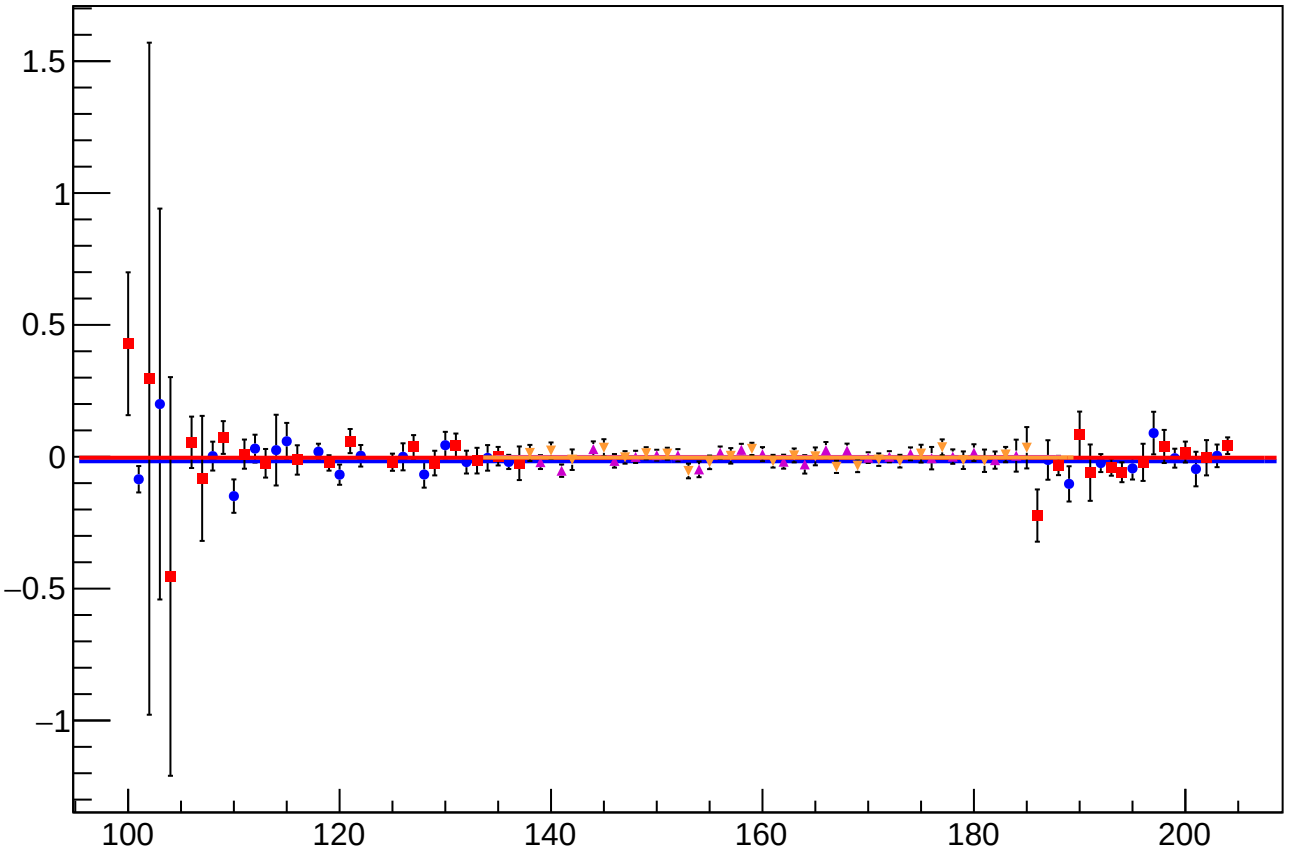
Left: 0.000+/-0.000 χ^2/NDF: 3372071.7/46

Right: 0.000+/-0.000 χ^2/NDF: 9947770.3/52

In: 0.000+/-0.000 χ^2/NDF:7344765.2/46

Out: 0.000+/-0.000 χ^2/NDF:8867867.4/52

All: 0.000+/-0.000 χ^2/NDF: 16278980.9/99



Right In: -0.017+/-0.010 χ^2/NDF: 19.0/23

Left Out: -0.003+/-0.006 χ^2/NDF:16.3/23

Right Out: -0.004+/-0.009 χ^2/NDF: 23.2/28

Left In: -0.001+/-0.005 χ^2/NDF:14.9/22

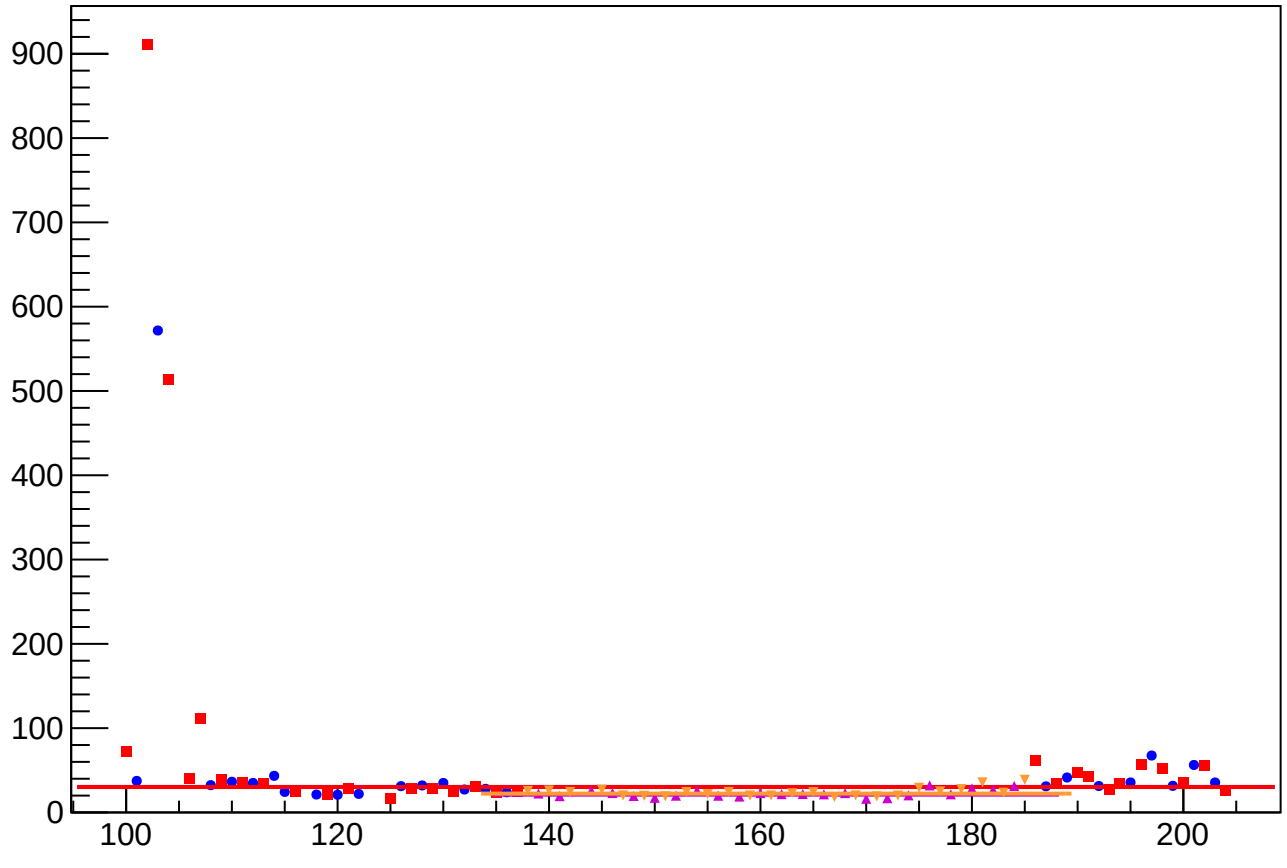
Left: -0.002+/-0.004 χ^2/NDF: 31.3/46

Right: -0.010+/-0.007 χ^2/NDF: 43.3/52

In: -0.005+/-0.005 χ^2/NDF:36.1/46

Out: -0.003+/-0.005 χ^2/NDF:39.6/52

All: -0.004+/-0.003 χ^2/NDF: 75.8/99



Right In: 30.269+/-0.007 χ^2/NDF: 2564639.2/23

Left Out: 22.355+/-0.004 χ^2/NDF:816073.4/23

Right Out: 30.170+/-0.006 χ^2/NDF: 4091617.6/28

Left In: 21.099+/-0.004 χ^2/NDF:819255.8/22

Left: 21.703+/-0.003 χ^2/NDF: 1686083.7/46

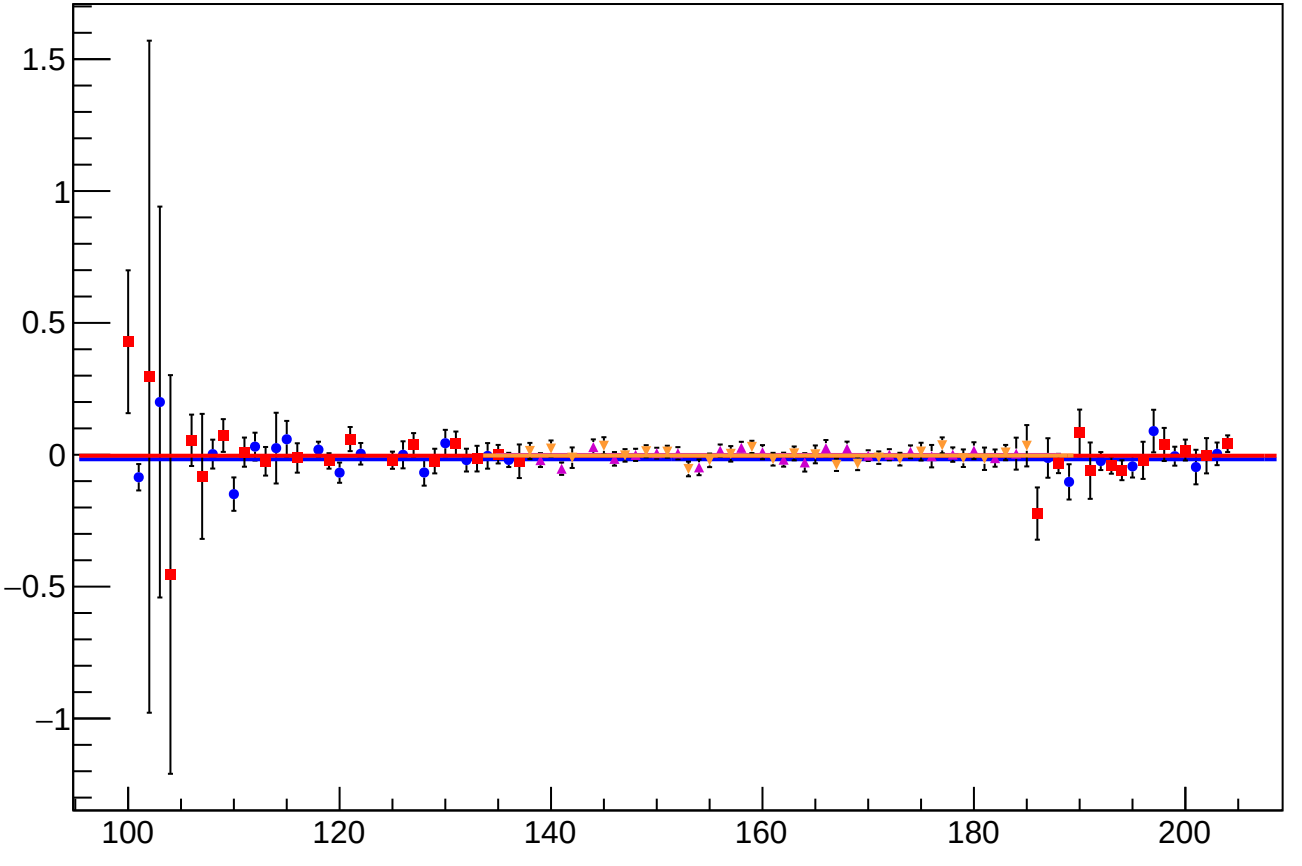
Right: 30.217+/-0.005 χ^2/NDF: 6656370.6/52

In: 23.369+/-0.003 χ^2/NDF:4777214.7/46

Out: 24.532+/-0.003 χ^2/NDF:5960994.0/52

All: 23.940+/-0.002 χ^2/NDF: 10797361.5/99

asym_usl_atl1_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.017+/-0.010 χ^2/NDF: 19.0/23

Left Out: -0.003+/-0.006 χ^2/NDF:16.3/23

Right Out: -0.004+/-0.009 χ^2/NDF: 23.2/28

Left In: -0.001+/-0.005 χ^2/NDF:14.9/22

Left: -0.002+/-0.004 χ^2/NDF: 31.3/46

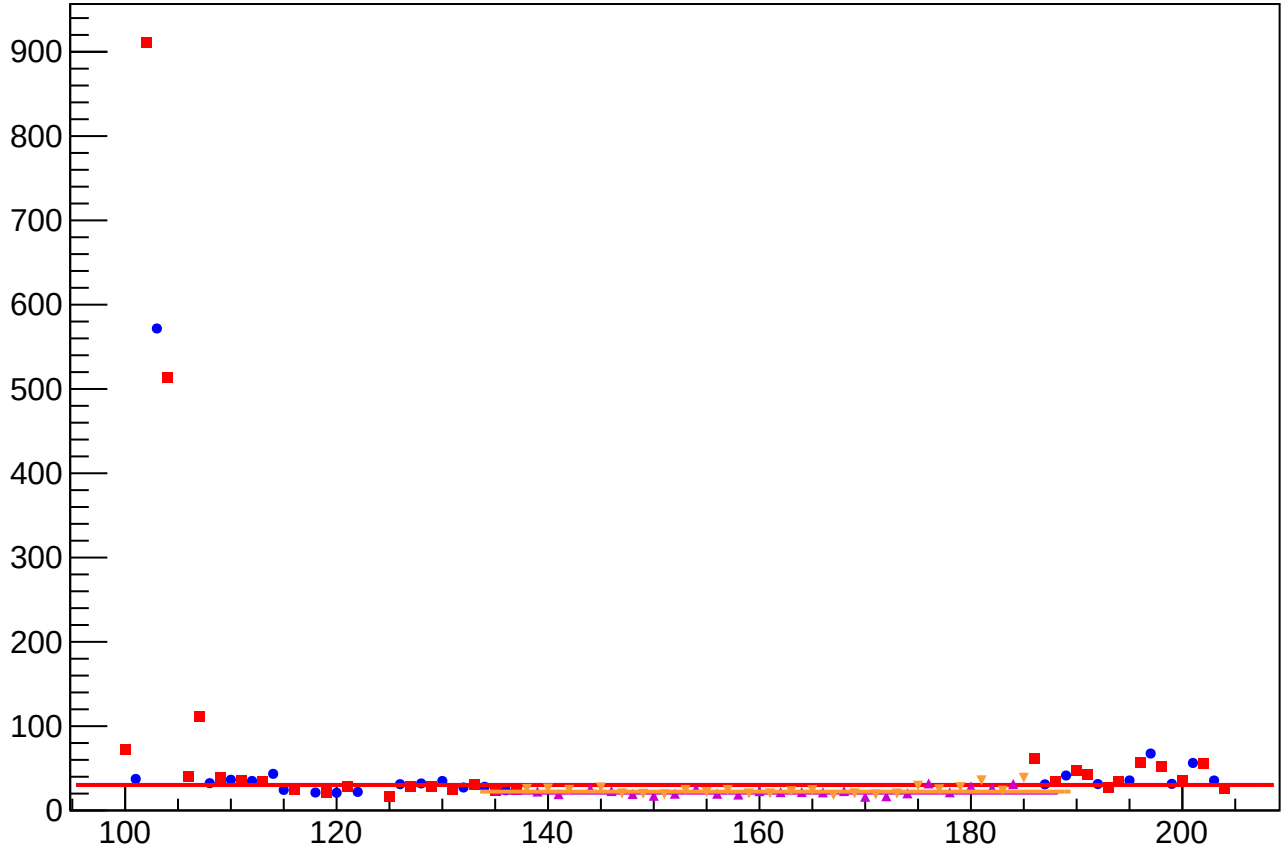
Right: -0.010+/-0.007 χ^2/NDF: 43.3/52

In: -0.005+/-0.005 χ^2/NDF:36.1/46

Out: -0.003+/-0.005 χ^2/NDF:39.6/52

All: -0.004+/-0.003 χ^2/NDF: 75.8/99

asym_usl_atl1_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 30.269+/-0.007 χ^2/NDF: 2564639.2/23

Left Out: 22.355+/-0.004 χ^2/NDF:816073.4/23

Right Out: 30.170+/-0.006 χ^2/NDF: 4091617.6/28

Left In: 21.099+/-0.004 χ^2/NDF:819255.8/22

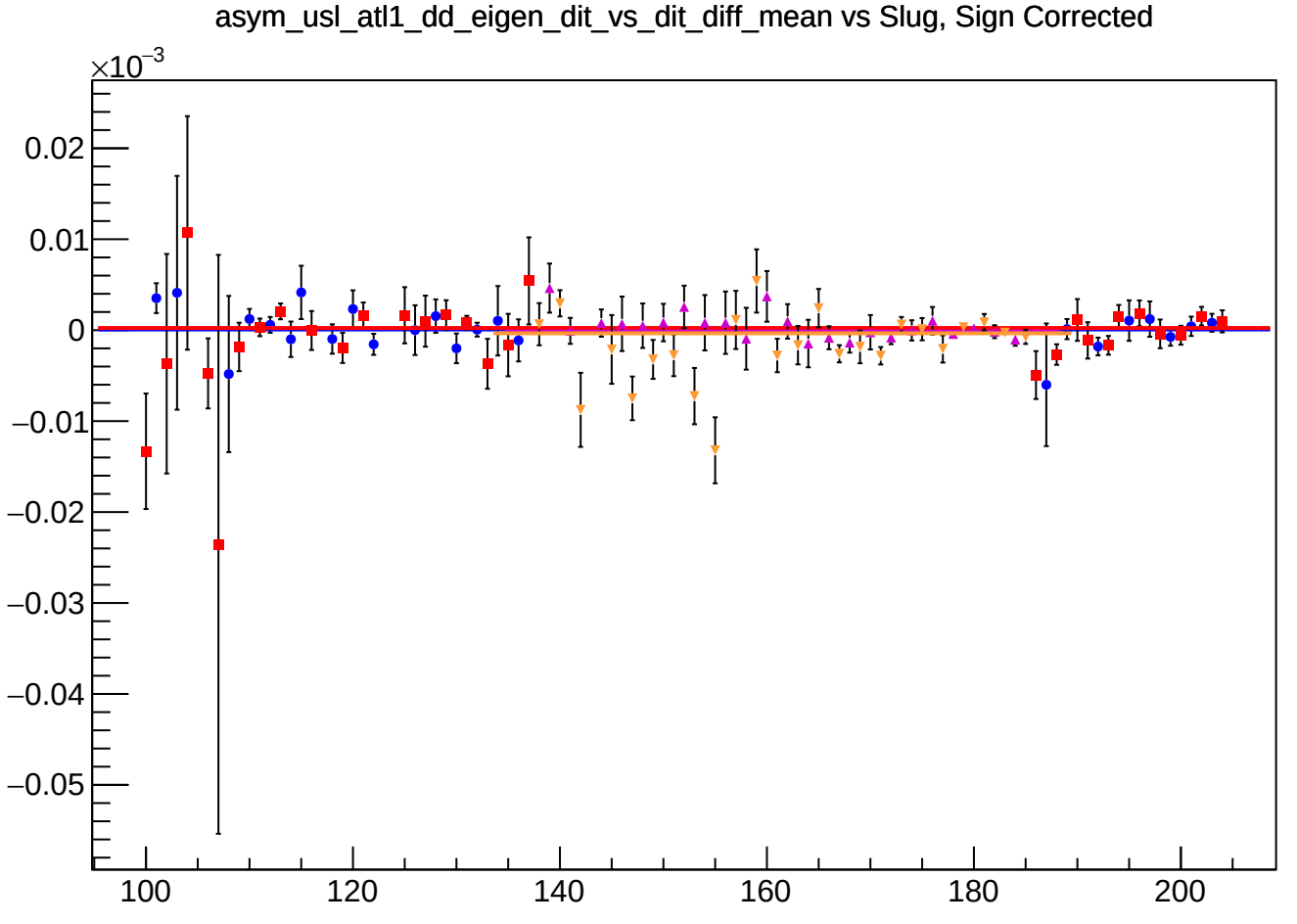
Left: 21.703+/-0.003 χ^2/NDF: 1686083.7/46

Right: 30.217+/-0.005 χ^2/NDF: 6656370.6/52

In: 23.369+/-0.003 χ^2/NDF:4777214.7/46

Out: 24.532+/-0.003 χ^2/NDF:5960994.0/52

All: 23.940+/-0.002 χ^2/NDF: 10797361.5/99



Right In: 0.000+/-0.000 χ^2/NDF: 21.1/23

Left Out: -0.000+/-0.000 χ^2/NDF:68.1/23

Right Out: 0.000+/-0.000 χ^2/NDF: 40.1/28

Left In: -0.000+/-0.000 χ^2/NDF:14.2/22

Left: -0.000+/-0.000 χ^2/NDF: 82.8/46

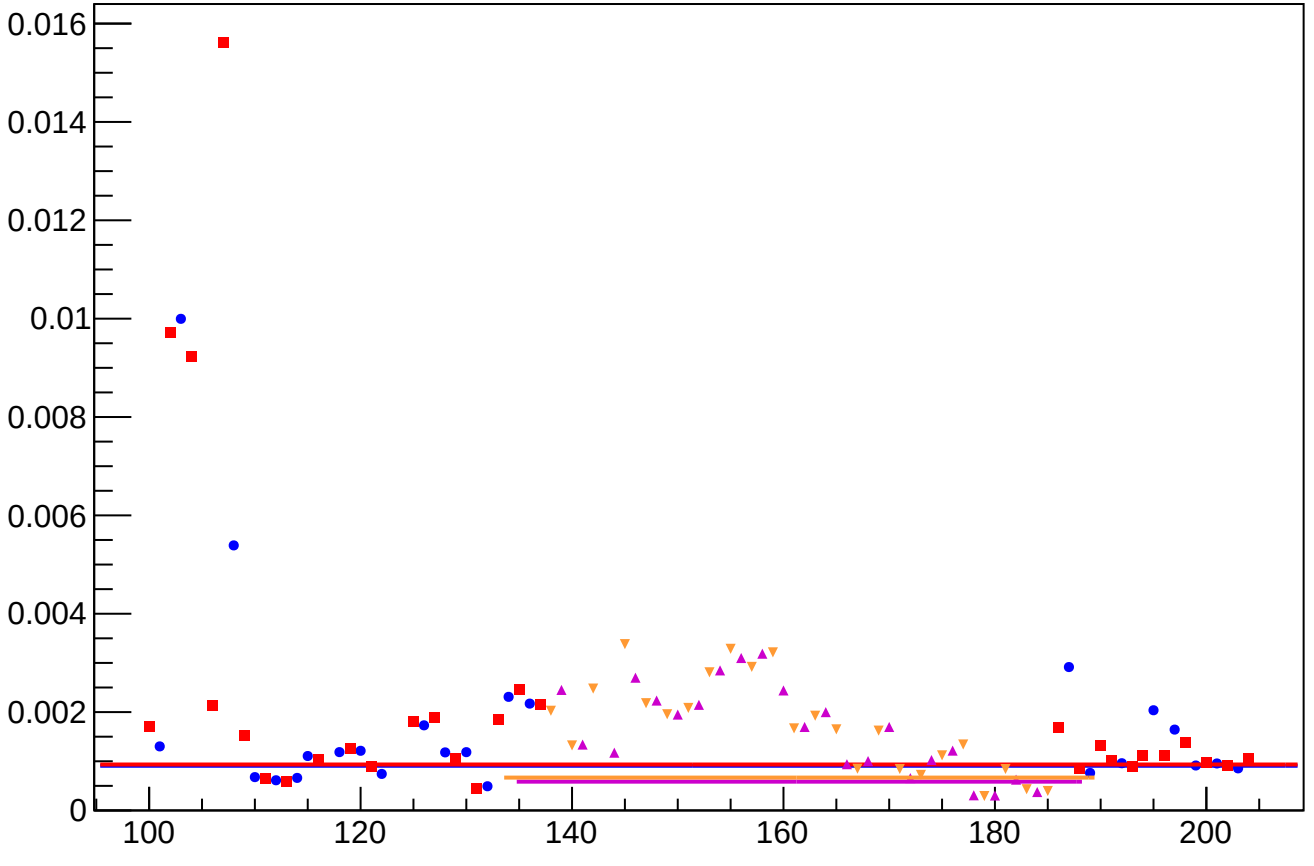
Right: 0.000+/-0.000 χ^2/NDF: 61.3/52

In: -0.000+/-0.000 χ^2/NDF:35.8/46

Out: -0.000+/-0.000 χ^2/NDF:110.9/52

All: -0.000+/-0.000 χ^2/NDF: 146.8/99

asym_usl_atl1_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 4934367.9/23

Left Out: 0.001+/-0.000 χ^2/NDF:15375915.0/23

Right Out: 0.001+/-0.000 χ^2/NDF: 5638352.7/28

Left In: 0.001+/-0.000 χ^2/NDF:15658683.6/22

Left: 0.001+/-0.000 χ^2/NDF: 31210781.6/46

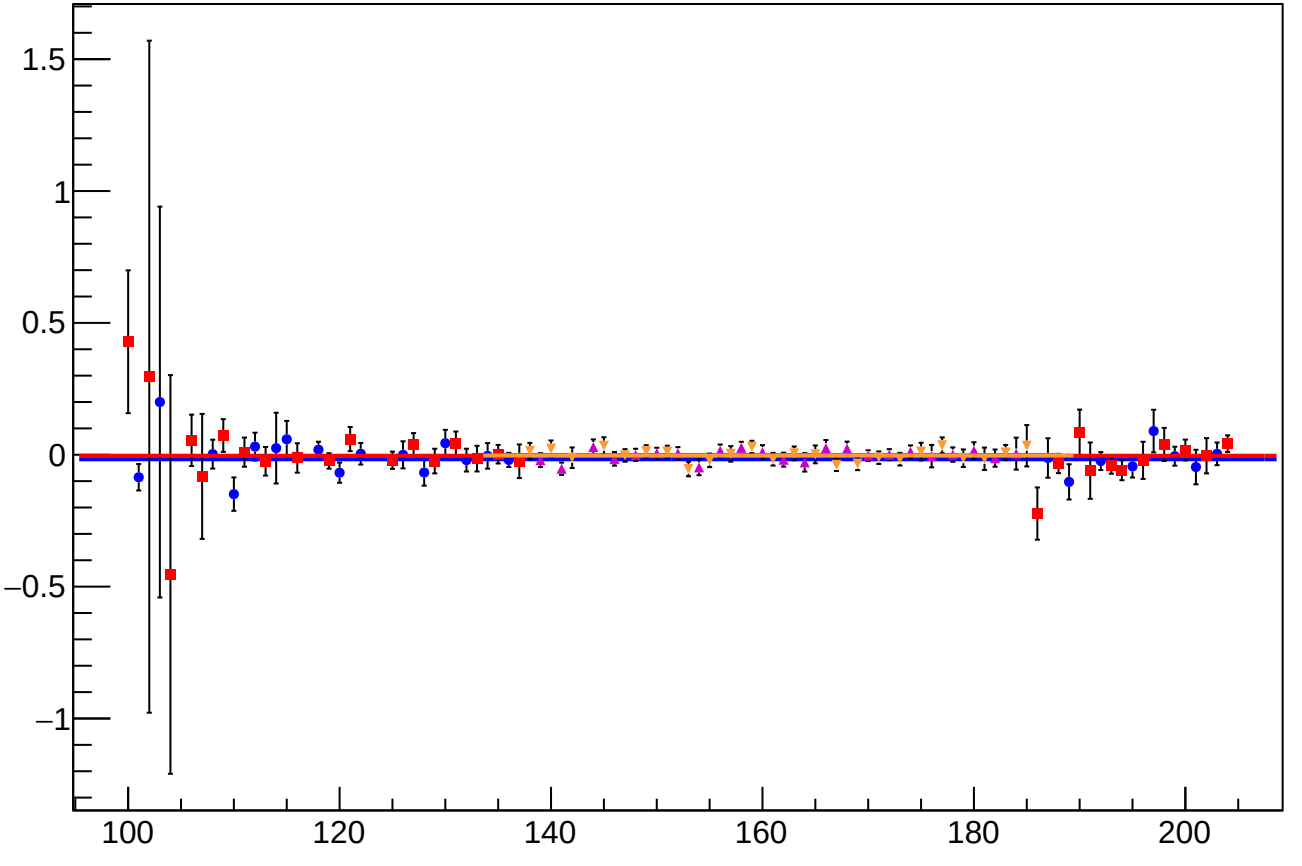
Right: 0.001+/-0.000 χ^2/NDF: 10580799.5/52

In: 0.001+/-0.000 χ^2/NDF:22397865.8/46

Out: 0.001+/-0.000 χ^2/NDF:22184480.1/52

All: 0.001+/-0.000 χ^2/NDF: 44811907.0/99

asym_usl_atl1_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.017+/-0.010 χ^2/NDF: 19.0/23

Left Out: -0.003+/-0.006 χ^2/NDF:16.3/23

Right Out: -0.004+/-0.009 χ^2/NDF: 23.2/28

Left In: -0.001+/-0.005 χ^2/NDF:14.9/22

Left: -0.002+/-0.004 χ^2/NDF: 31.3/46

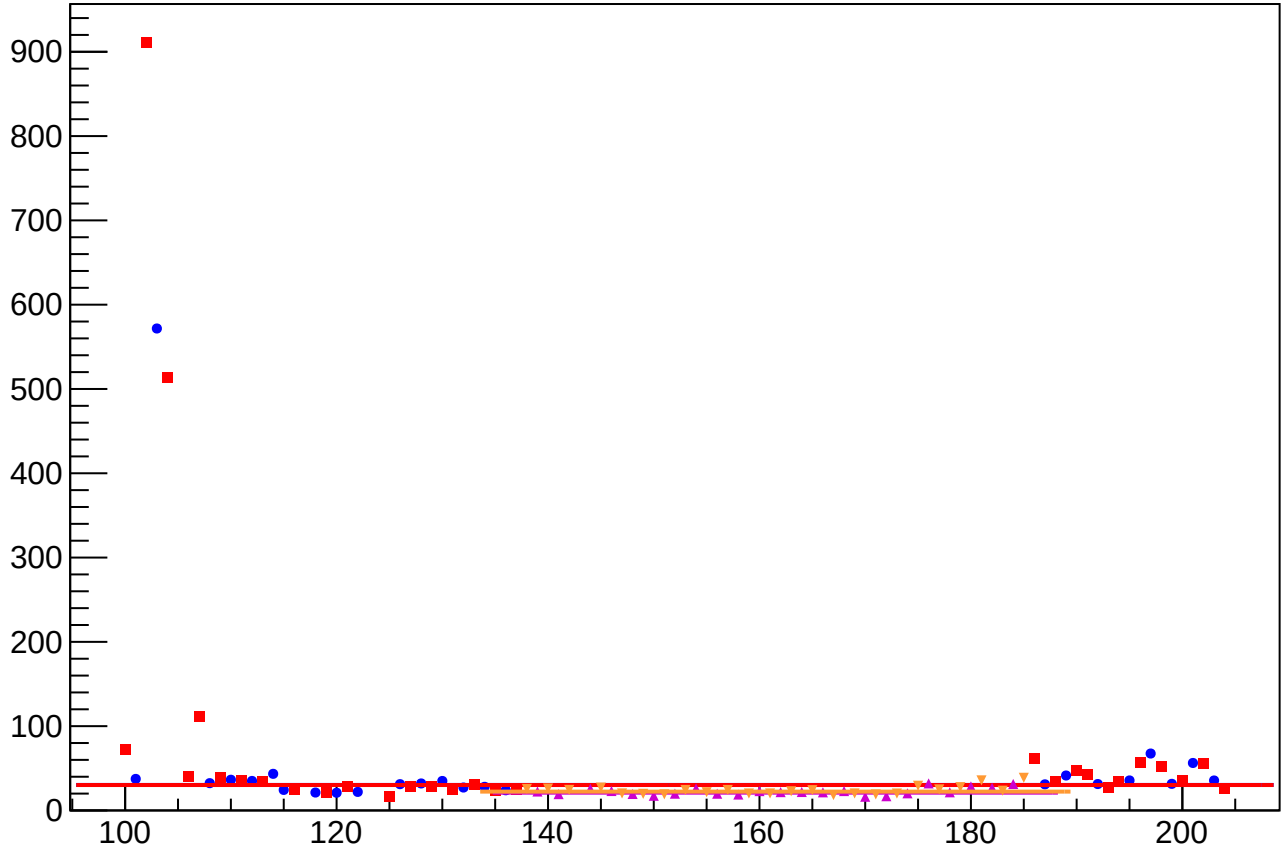
Right: -0.010+/-0.007 χ^2/NDF: 43.3/52

In: -0.005+/-0.005 χ^2/NDF:36.1/46

Out: -0.003+/-0.005 χ^2/NDF:39.6/52

All: -0.004+/-0.003 χ^2/NDF: 75.7/99

asym_usl_atl1_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 30.269+/-0.007 χ^2/NDF: 2564658.1/23

Left Out: 22.355+/-0.004 χ^2/NDF:816044.6/23

Right Out: 30.170+/-0.006 χ^2/NDF: 4091634.7/28

Left In: 21.099+/-0.004 χ^2/NDF:819268.9/22

Left: 21.703+/-0.003 χ^2/NDF: 1686066.1/46

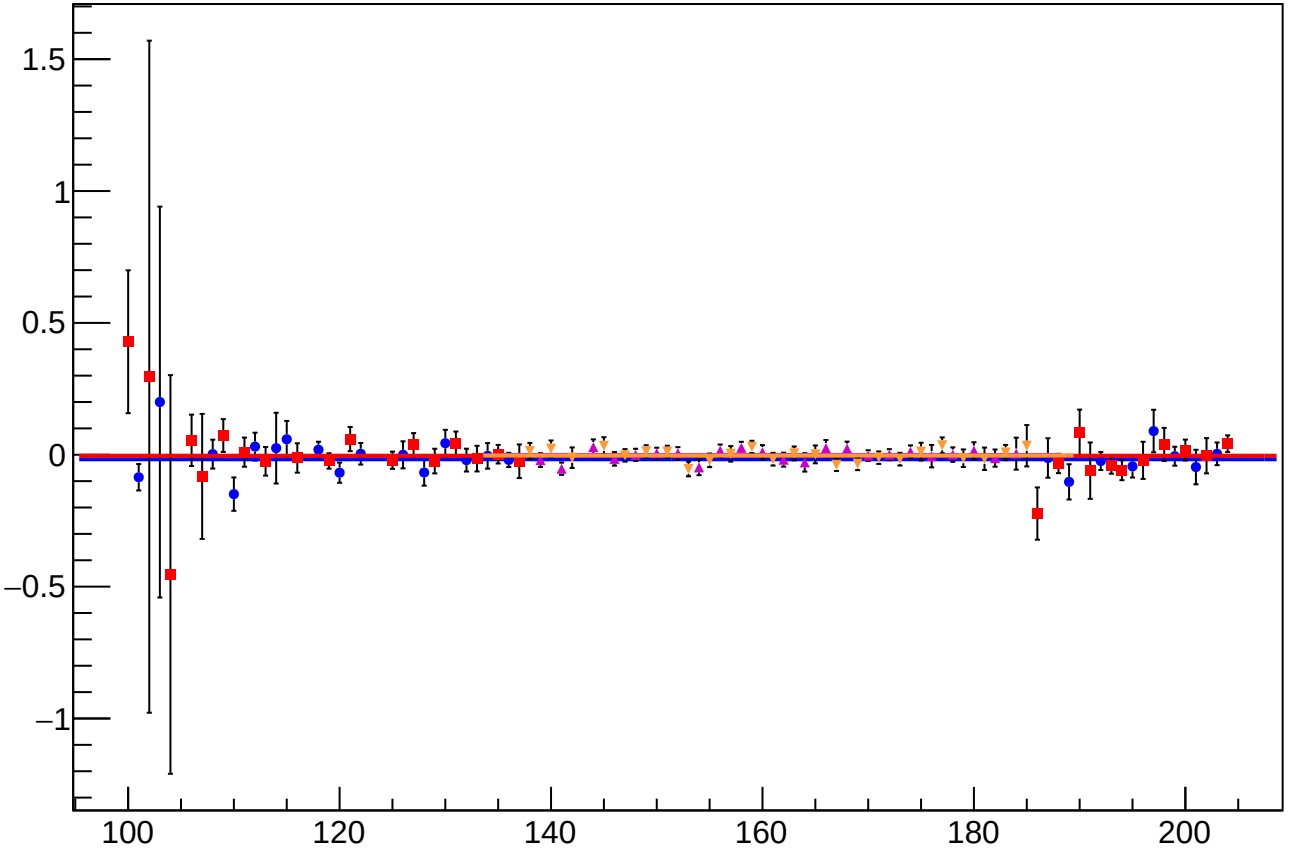
Right: 30.217+/-0.005 χ^2/NDF: 6656406.5/52

In: 23.369+/-0.003 χ^2/NDF:4777255.2/46

Out: 24.532+/-0.003 χ^2/NDF:5961003.6/52

All: 23.940+/-0.002 χ^2/NDF: 10797410.5/99

asym_usl_atl1_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.017+/-0.010 χ^2/NDF: 19.0/23

Left Out: -0.003+/-0.006 χ^2/NDF:16.3/23

Right Out: -0.004+/-0.009 χ^2/NDF: 23.2/28

Left In: -0.001+/-0.005 χ^2/NDF:14.9/22

Left: -0.002+/-0.004 χ^2/NDF: 31.3/46

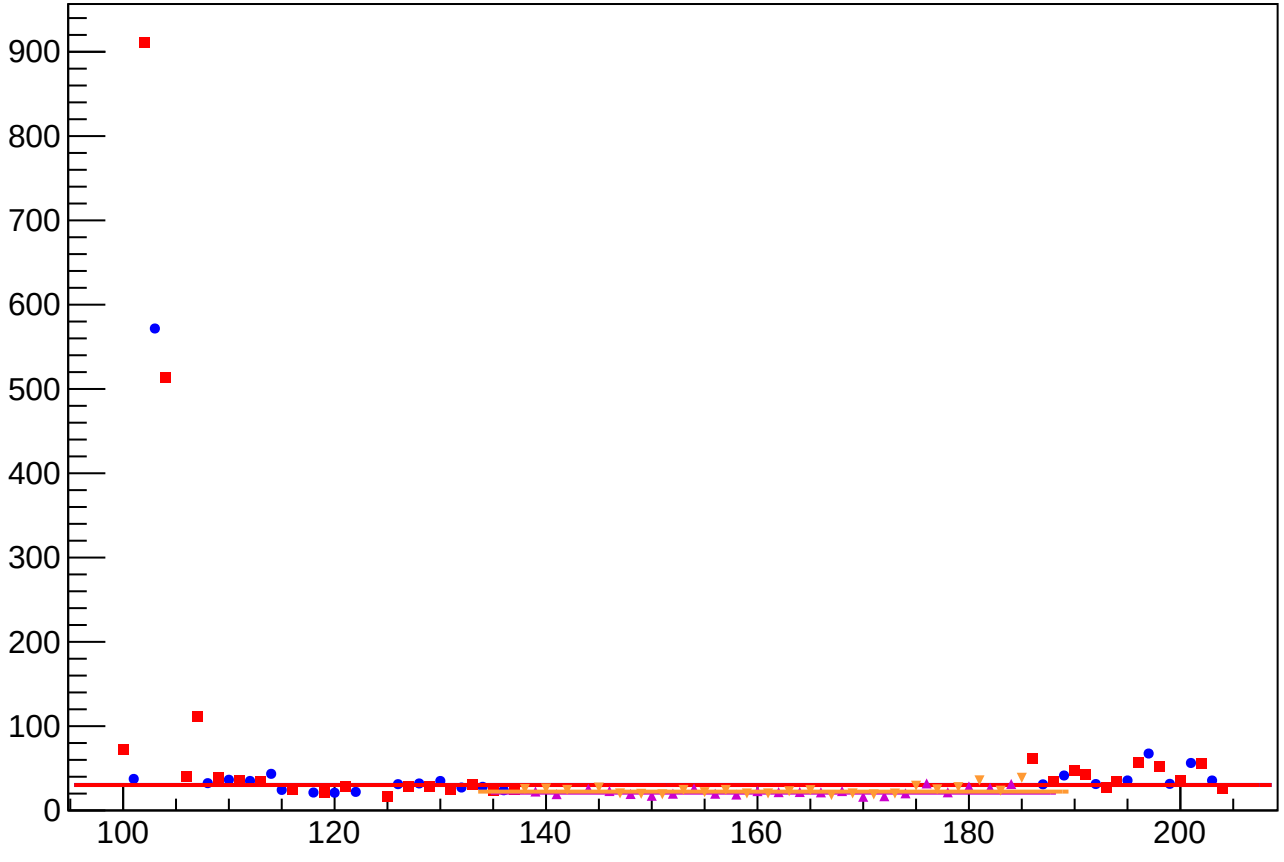
Right: -0.010+/-0.007 χ^2/NDF: 43.3/52

In: -0.005+/-0.005 χ^2/NDF:36.1/46

Out: -0.003+/-0.005 χ^2/NDF:39.6/52

All: -0.004+/-0.003 χ^2/NDF: 75.7/99

asym_usl_atl1_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 30.269+/-0.007 χ^2/NDF: 2564658.1/23

Left Out: 22.355+/-0.004 χ^2/NDF:816044.6/23

Right Out: 30.170+/-0.006 χ^2/NDF: 4091634.7/28

Left In: 21.099+/-0.004 χ^2/NDF:819268.9/22

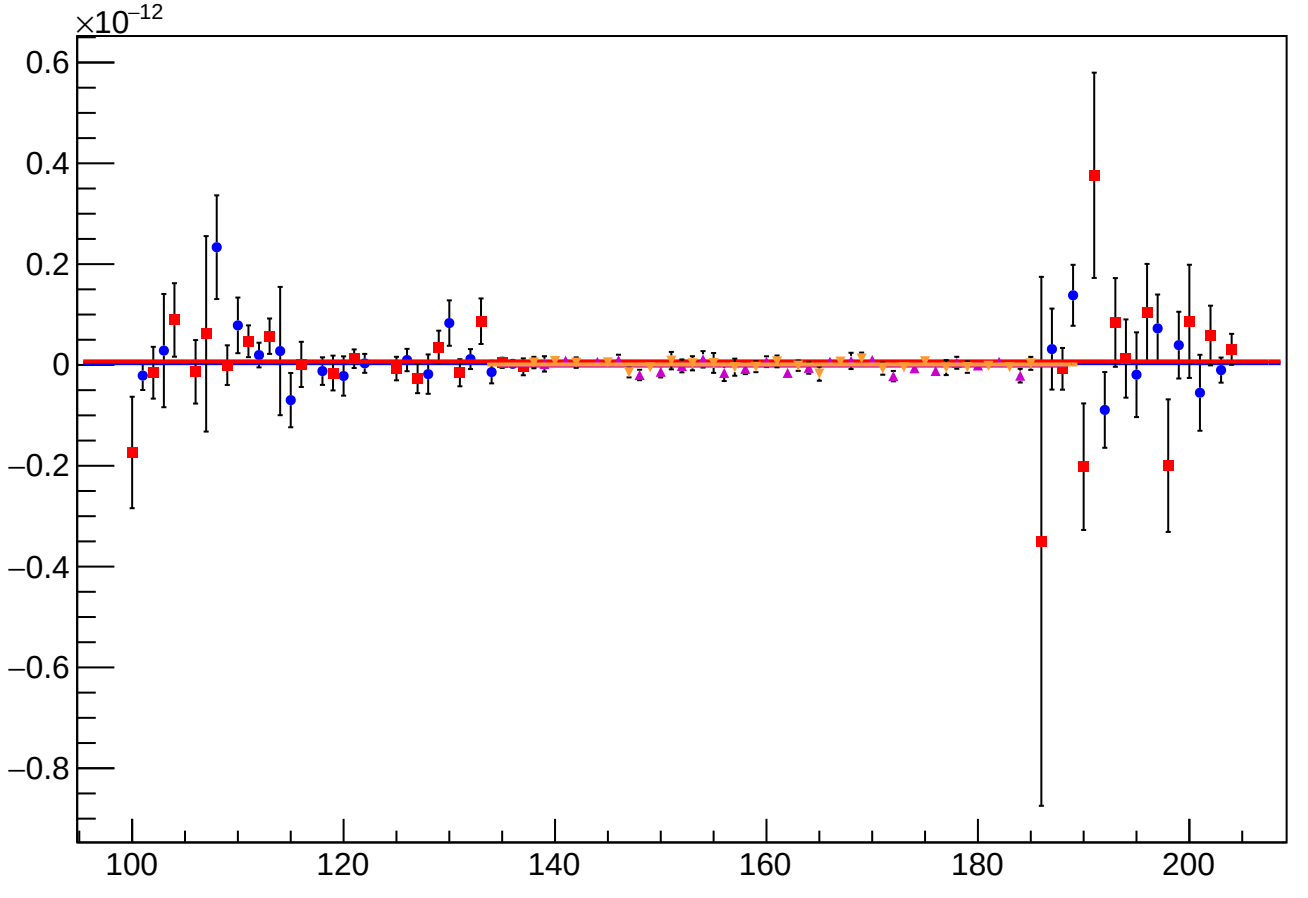
Left: 21.703+/-0.003 χ^2/NDF: 1686066.1/46

Right: 30.217+/-0.005 χ^2/NDF: 6656406.5/52

In: 23.369+/-0.003 χ^2/NDF:4777255.2/46

Out: 24.532+/-0.003 χ^2/NDF:5961003.6/52

All: 23.940+/-0.002 χ^2/NDF: 10797410.5/99



Right In: 0.000+/-0.000 χ^2/NDF: 24.0/23

Left Out: 0.000+/-0.000 χ^2/NDF:11.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 28.1/28

Left In: -0.000+/-0.000 χ^2/NDF:25.8/22

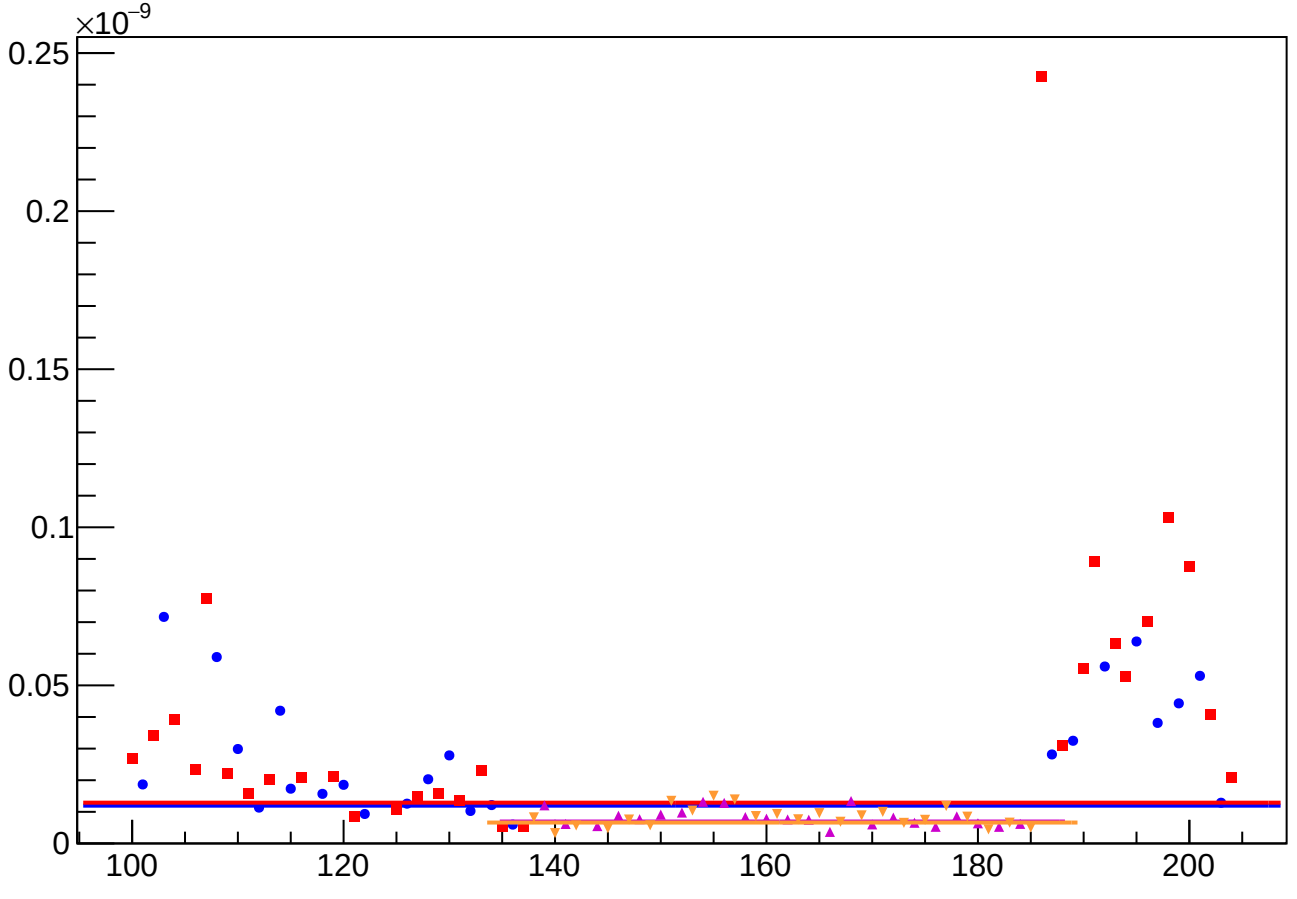
Left: -0.000+/-0.000 χ^2/NDF: 38.0/46

Right: 0.000+/-0.000 χ^2/NDF: 52.3/52

In: -0.000+/-0.000 χ^2/NDF:50.4/46

Out: 0.000+/-0.000 χ^2/NDF:40.7/52

All: 0.000+/-0.000 χ^2/NDF: 91.9/99



Right In: 0.000+/-0.000 χ^2/NDF: 6069401.3/23

Left Out: 0.000+/-0.000 χ^2/NDF:3457171.1/23

Right Out: 0.000+/-0.000 χ^2/NDF: 8640266.7/28

Left In: 0.000+/-0.000 χ^2/NDF:2315472.3/22

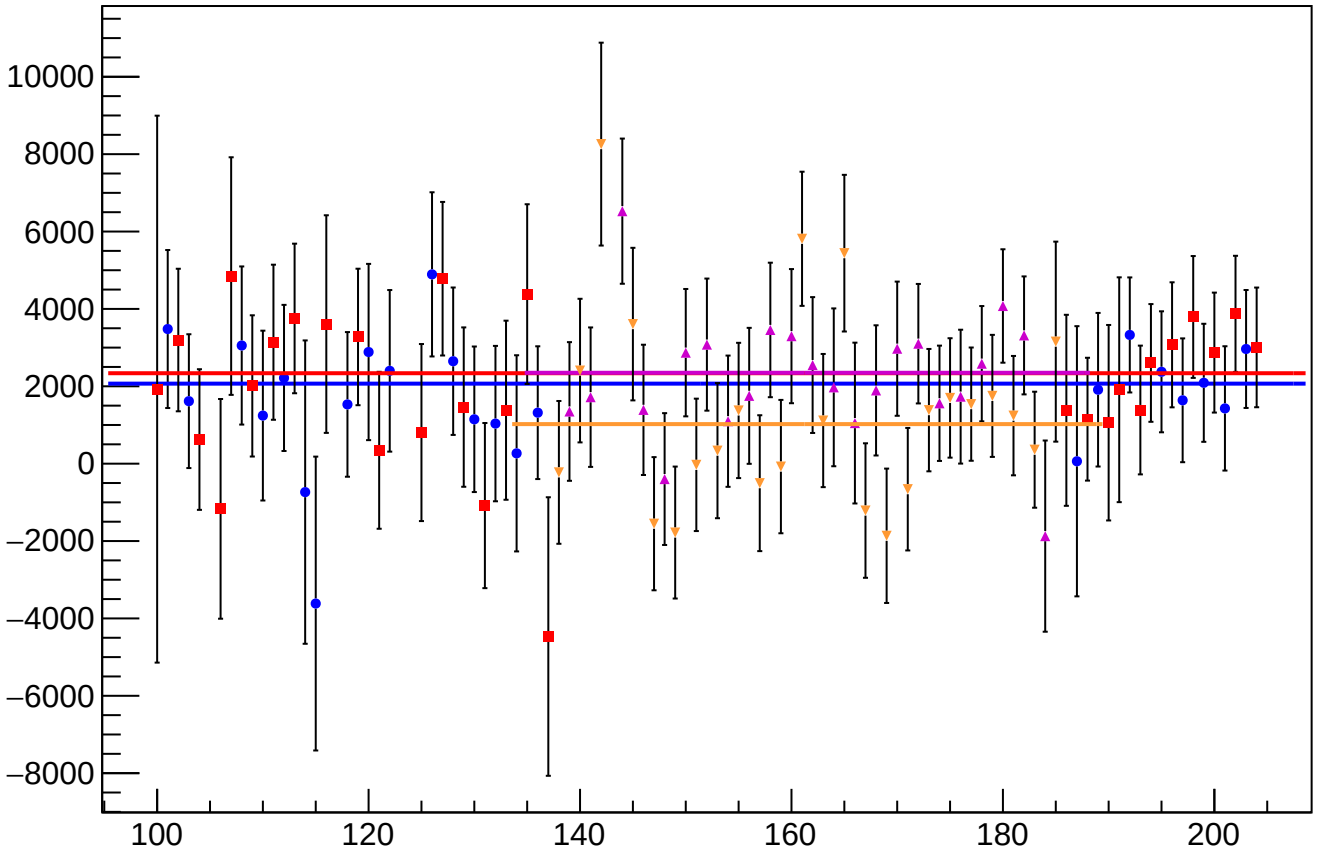
Left: 0.000+/-0.000 χ^2/NDF: 5798902.3/46

Right: 0.000+/-0.000 χ^2/NDF: 14737695.1/52

In: 0.000+/-0.000 χ^2/NDF:9857576.6/46

Out: 0.000+/-0.000 χ^2/NDF:14192182.6/52

All: 0.000+/-0.000 χ^2/NDF: 24071837.3/99



Right In: 2068.692+/-392.156 χ^2/NDF: 8.6/23

Left Out: 1022.603+/-353.459 χ^2/NDF:36.4/23

Right Out: 2337.998+/-367.670 χ^2/NDF: 18.5/28

Left In: 2349.189+/-357.068 χ^2/NDF:16.0/22

Left: 1679.158+/-251.199 χ^2/NDF: 59.4/46

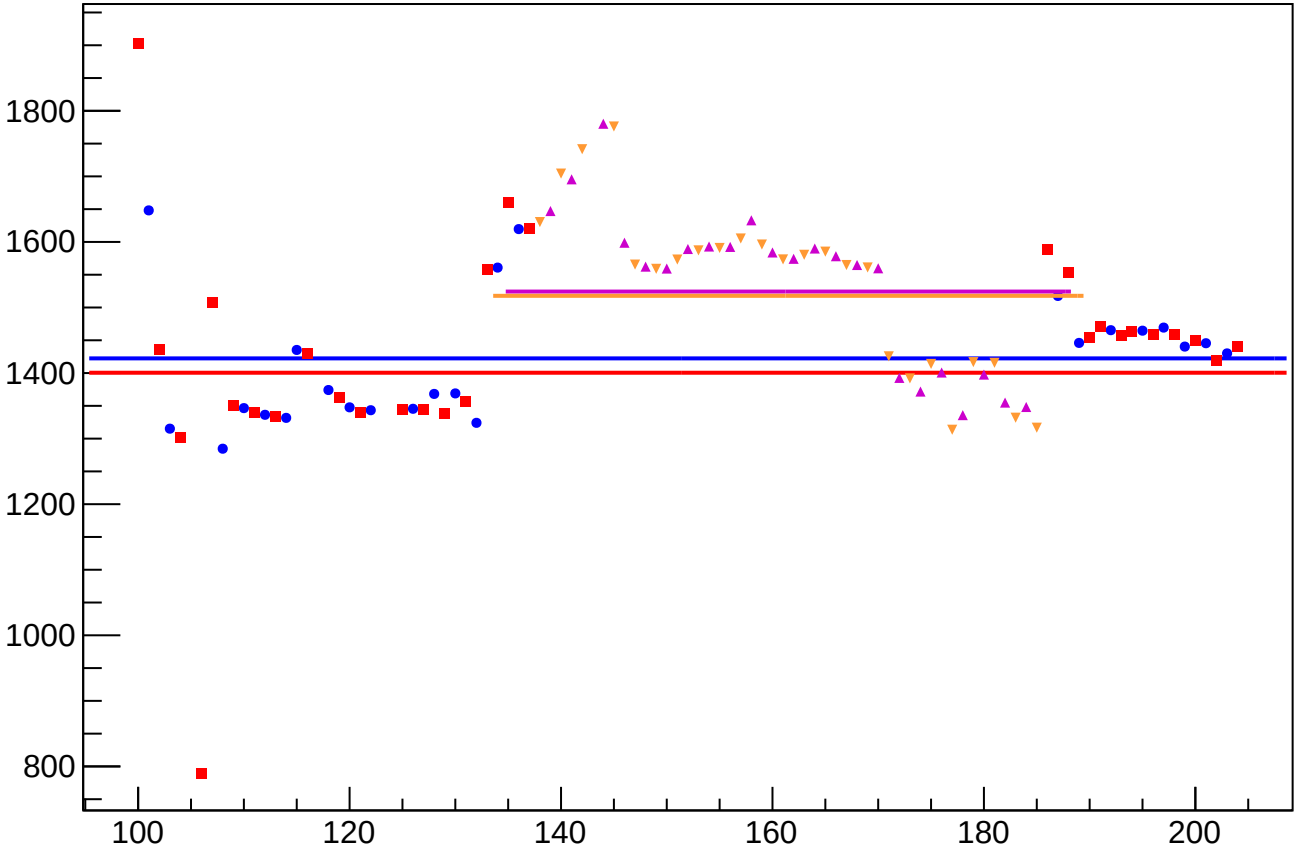
Right: 2212.014+/-268.221 χ^2/NDF: 27.4/52

In: 2222.048+/-264.020 χ^2/NDF:24.9/46

Out: 1654.388+/-254.809 χ^2/NDF:61.6/52

All: 1928.143+/-183.347 χ^2/NDF: 88.9/99

reg_asym_usl_atl2_avg_rms vs Slug, Sign Corrected



Right In: 1422.389+/-0.277 χ^2/NDF: 105601.2/23

Left Out: 1517.815+/-0.250 χ^2/NDF:233957.9/23

Right Out: 1400.500+/-0.256 χ^2/NDF: 395648.8/28

Left In: 1524.314+/-0.252 χ^2/NDF:224321.2/22

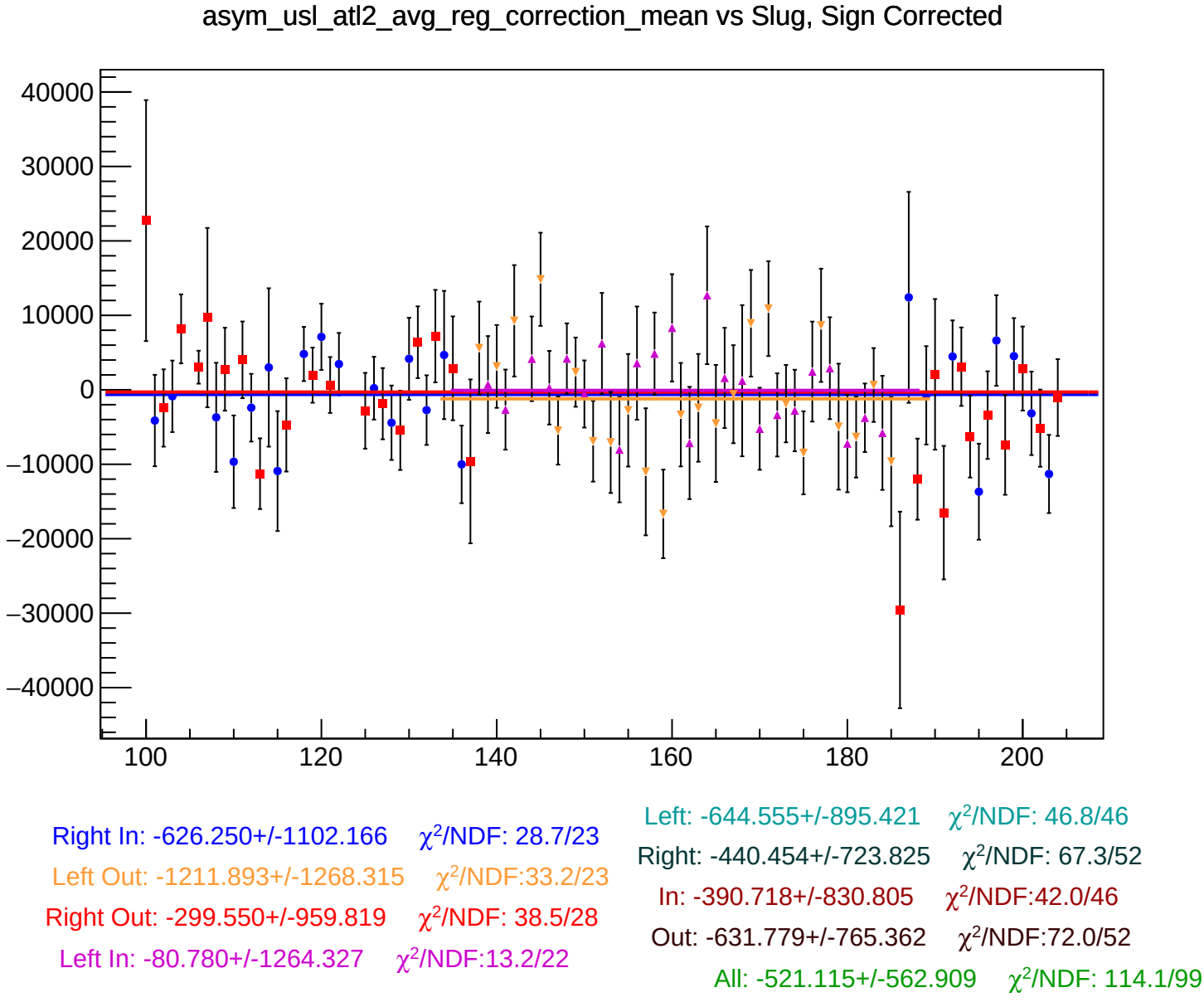
Left: 1521.032+/-0.178 χ^2/NDF: 458613.7/46

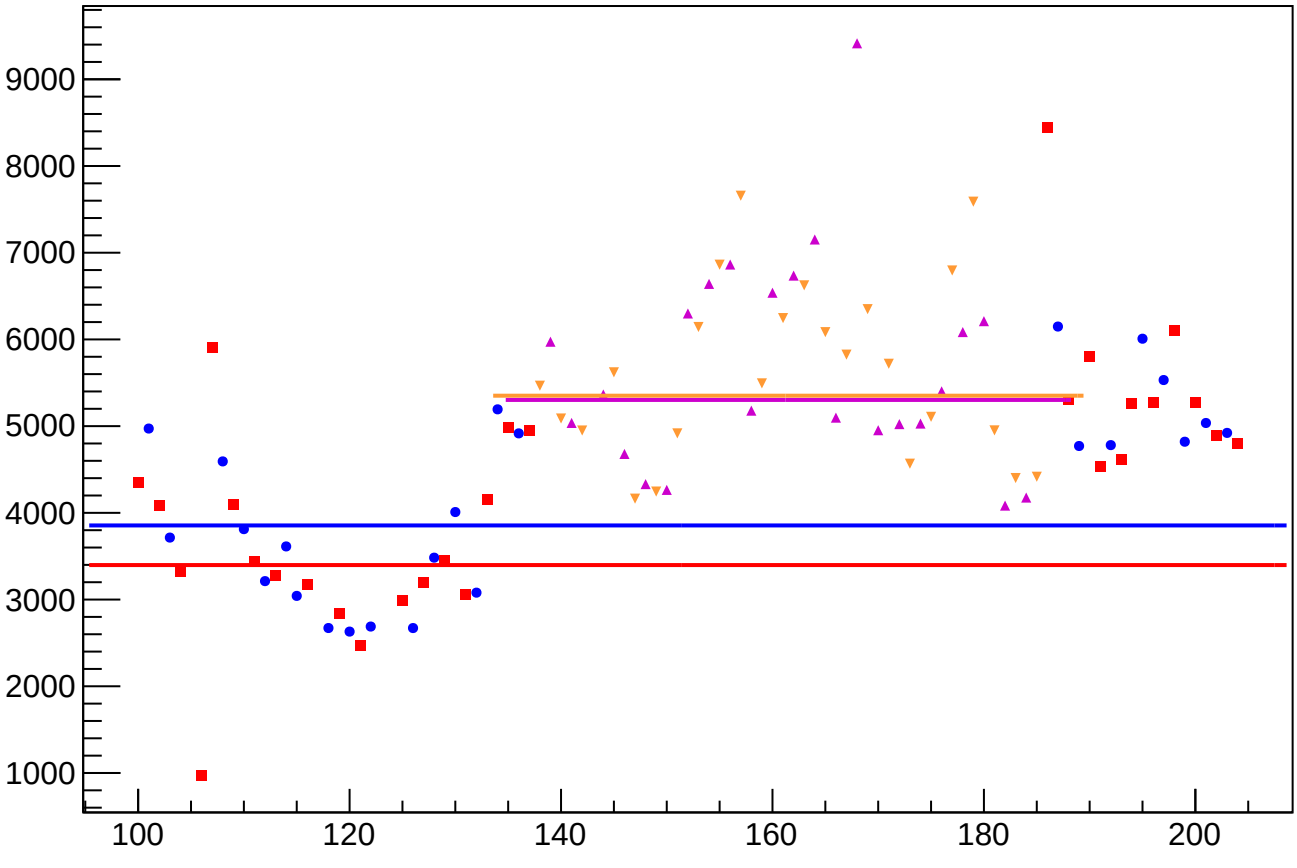
Right: 1410.564+/-0.188 χ^2/NDF: 504616.5/52

In: 1478.115+/-0.187 χ^2/NDF:403788.0/46

Out: 1460.521+/-0.179 χ^2/NDF:737208.3/52

All: 1468.937+/-0.129 χ^2/NDF: 1145629.2/99


asym_usl_atl2_avg_reg_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
Right In: -626.250+/-1102.166 χ²/NDF: 28.7/23
Left Out: -1211.893+/-1268.315 χ²/NDF:33.2/23
Right Out: -299.550+/-959.819 χ²/NDF: 38.5/28
Left In: -80.780+/-1264.327 χ²/NDF:13.2/22
Left: -644.555+/-895.421 χ²/NDF: 46.8/46
Right: -440.454+/-723.825 χ²/NDF: 67.3/52
In: -390.718+/-830.805 χ²/NDF:42.0/46
Out: -631.779+/-765.362 χ²/NDF:72.0/52
All: -521.115+/-562.909 χ²/NDF: 114.1/99



Right In: 3854.824+/-0.779 χ^2/NDF: 1805904.3/23

Left Out: 5351.126+/-0.897 χ^2/NDF:1066045.6/23

Right Out: 3397.850+/-0.679 χ^2/NDF: 5020291.2/28

Left In: 5302.185+/-0.894 χ^2/NDF:1256309.3/22

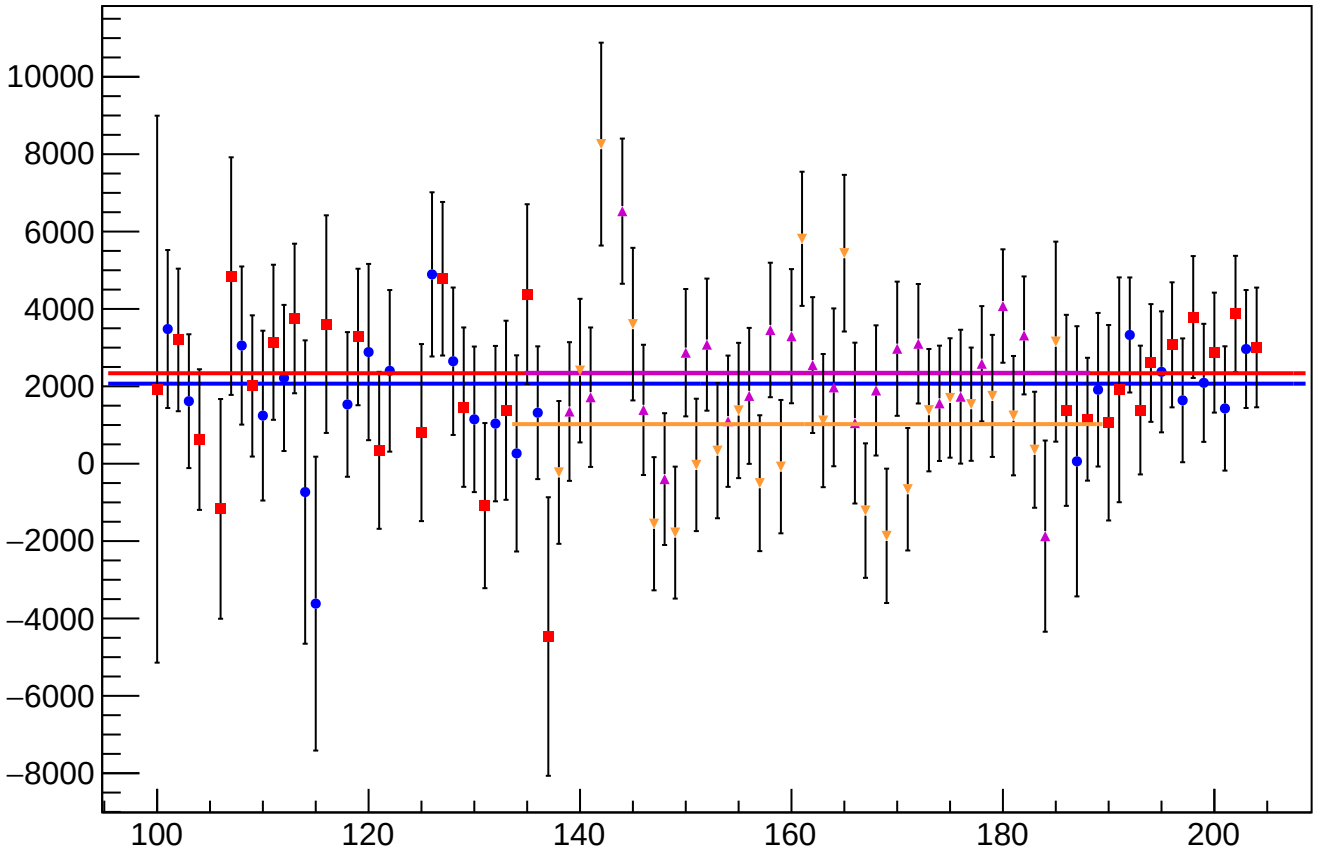
Left: 5326.578+/-0.633 χ^2/NDF: 2323848.7/46

Right: 3594.940+/-0.512 χ^2/NDF: 7021723.3/52

In: 4479.790+/-0.587 χ^2/NDF:4551466.4/46

Out: 4109.134+/-0.541 χ^2/NDF:9102524.2/52

All: 4279.290+/-0.398 χ^2/NDF: 13869326.5/9



Right In: 2068.708+/-392.156 χ^2/NDF: 8.6/23

Left Out: 1022.634+/-353.459 χ^2/NDF:36.4/23

Right Out: 2338.083+/-367.671 χ^2/NDF: 18.5/28

Left In: 2349.186+/-357.068 χ^2/NDF:16.0/22

Left: 1679.172+/-251.199 χ^2/NDF: 59.4/46

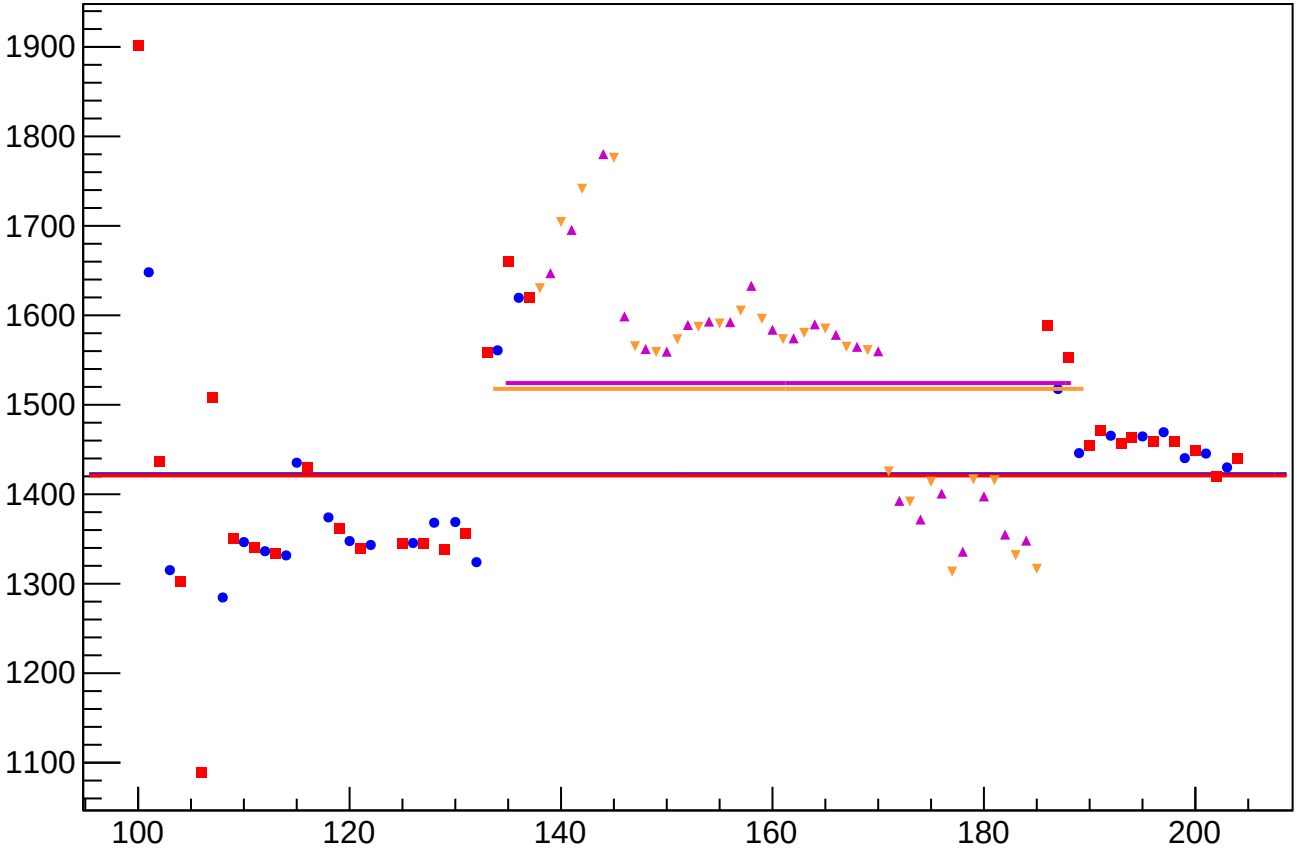
Right: 2212.067+/-268.221 χ^2/NDF: 27.4/52

In: 2222.053+/-264.020 χ^2/NDF:24.9/46

Out: 1654.443+/-254.810 χ^2/NDF:61.6/52

All: 1928.174+/-183.347 χ^2/NDF: 88.9/99

cor_asym_usl_atl2_avg_rms vs Slug, Sign Corrected



Right In: 1422.389+/-0.277 χ^2/NDF: 105601.2/23

Left Out: 1517.815+/-0.250 χ^2/NDF:233957.9/23

Right Out: 1421.077+/-0.258 χ^2/NDF: 159112.3/28

Left In: 1524.314+/-0.252 χ^2/NDF:224321.2/22

Left: 1521.032+/-0.178 χ^2/NDF: 458613.6/46

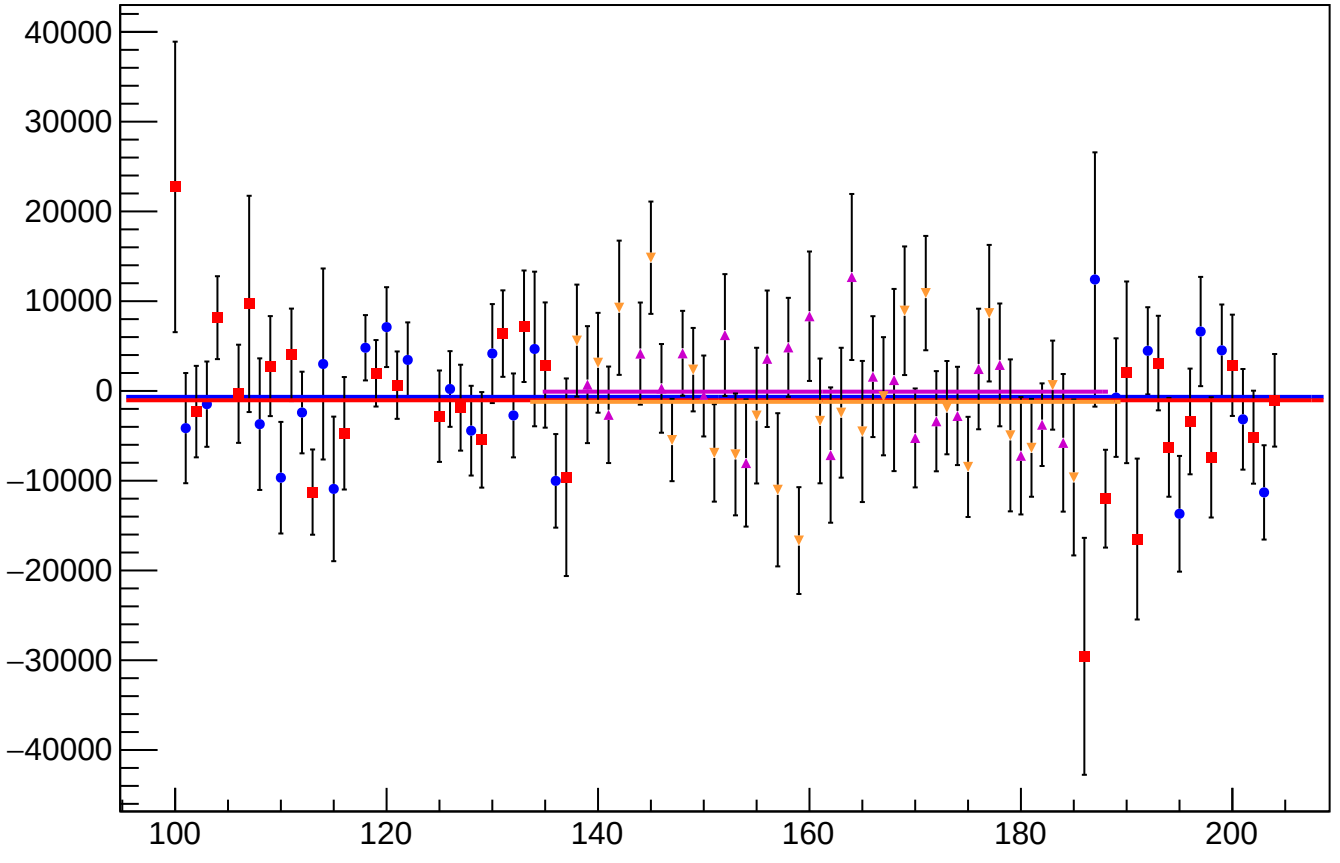
Right: 1421.687+/-0.189 χ^2/NDF: 264725.6/52

In: 1478.115+/-0.187 χ^2/NDF:403788.1/46

Out: 1471.026+/-0.180 χ^2/NDF:465529.6/52

All: 1474.433+/-0.129 χ^2/NDF: 870066.5/99

asym_usl_atl2_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -658.918+/-1101.559 χ^2/NDF: 28.8/23

Left Out: -1211.889+/-1268.316 χ^2/NDF:33.2/23

Right Out: -1038.745+/-1044.449 χ^2/NDF: 35.7/28

Left In: -80.689+/-1264.325 χ^2/NDF:13.2/22

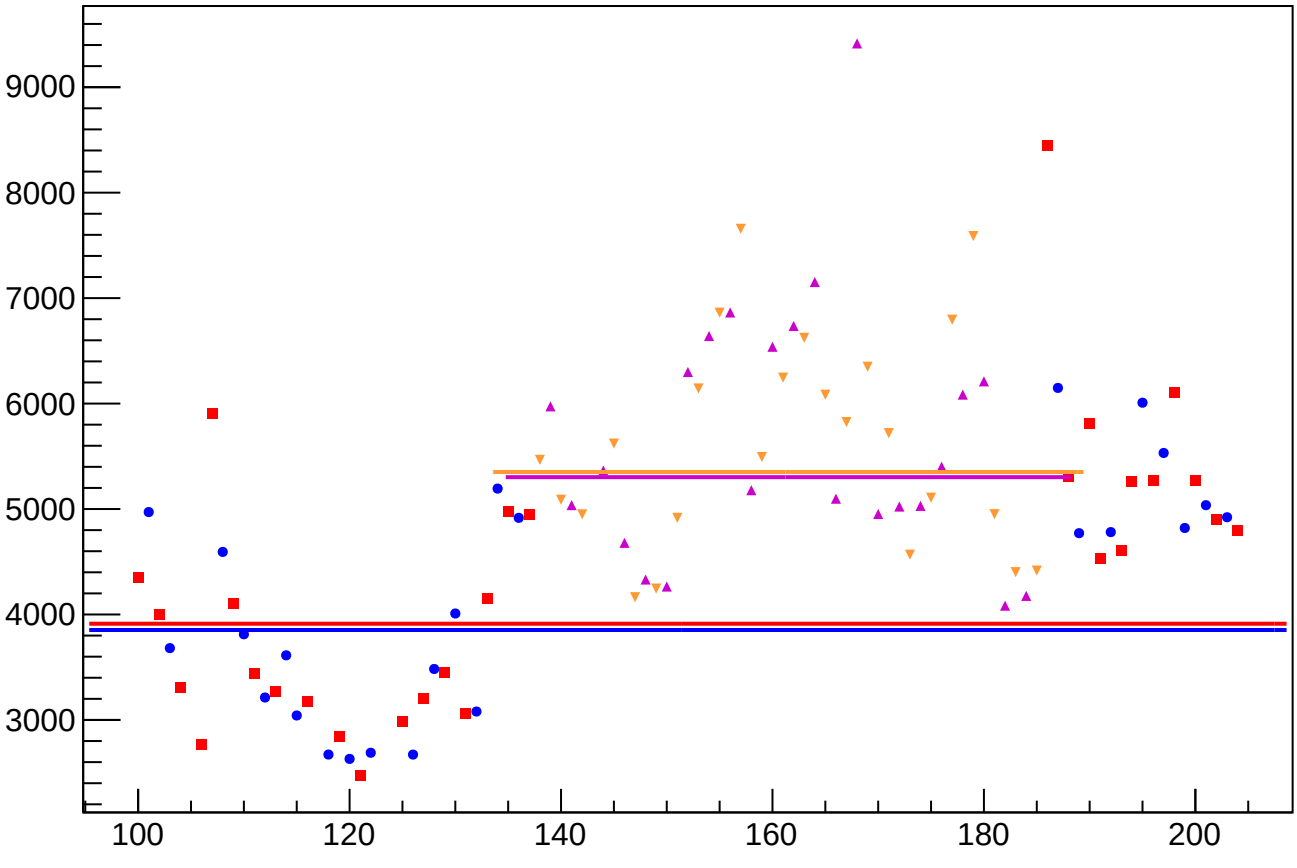
Left: -644.506+/-895.421 χ^2/NDF: 46.8/46

Right: -858.932+/-757.923 χ^2/NDF: 64.5/52

In: -409.396+/-830.544 χ^2/NDF:42.1/46

Out: -1108.713+/-806.256 χ^2/NDF:68.9/52

All: -769.429+/-578.505 χ^2/NDF: 111.4/99



Right In: 3852.850+/-0.779 χ^2/NDF: 1806769.6/23

Left Out: 5351.132+/-0.897 χ^2/NDF:1066039.6/23

Right Out: 3912.442+/-0.739 χ^2/NDF: 2148151.9/28

Left In: 5302.177+/-0.894 χ^2/NDF:1256324.3/22

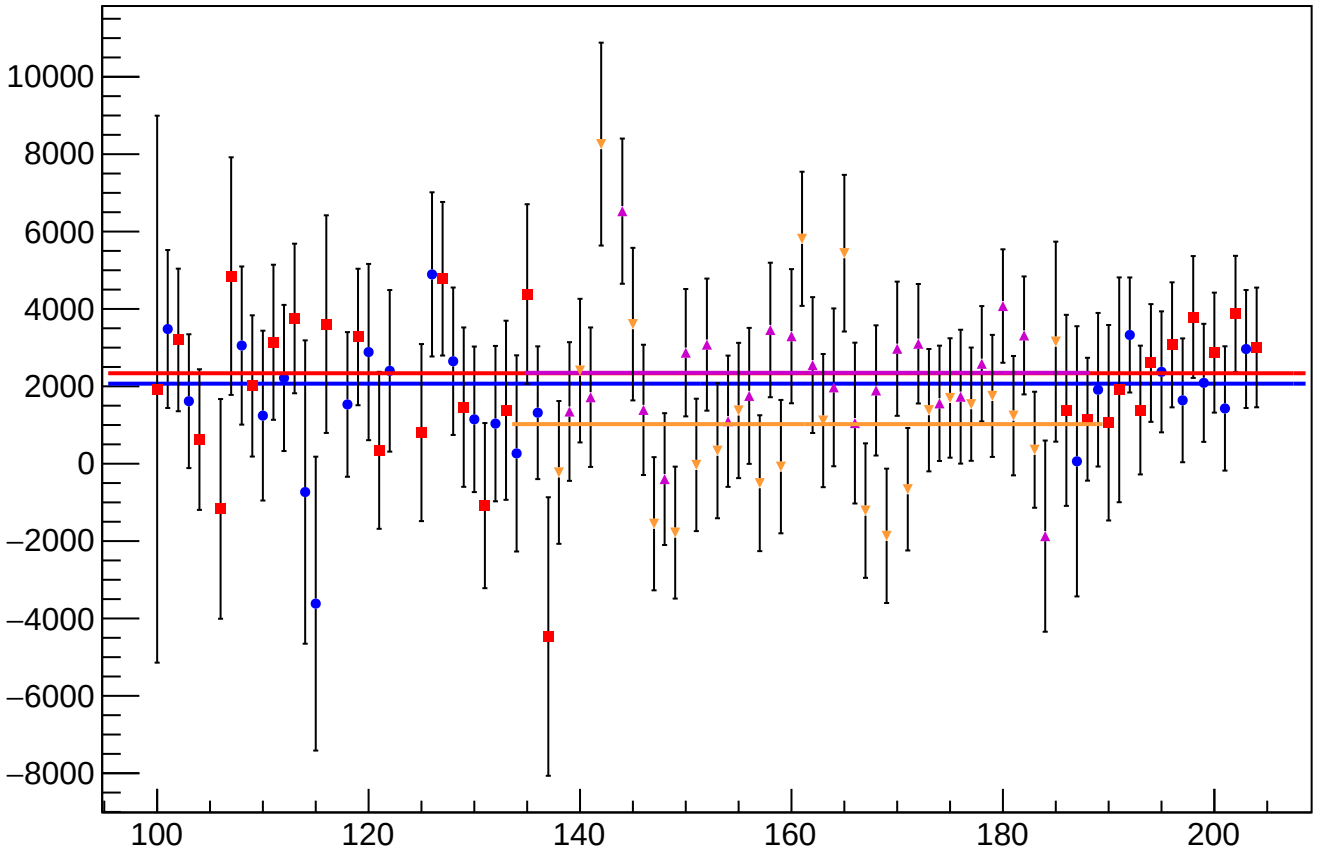
Left: 5326.577+/-0.633 χ^2/NDF: 2323858.4/46

Right: 3884.231+/-0.536 χ^2/NDF: 3958003.8/52

In: 4478.274+/-0.587 χ^2/NDF:4557108.3/46

Out: 4493.820+/-0.570 χ^2/NDF:4747680.7/52

All: 4486.277+/-0.409 χ^2/NDF: 9305149.7/99



Right In: 2068.708+/-392.156 χ^2/NDF: 8.6/23

Left Out: 1022.634+/-353.459 χ^2/NDF:36.4/23

Right Out: 2338.083+/-367.671 χ^2/NDF: 18.5/28

Left In: 2349.186+/-357.068 χ^2/NDF:16.0/22

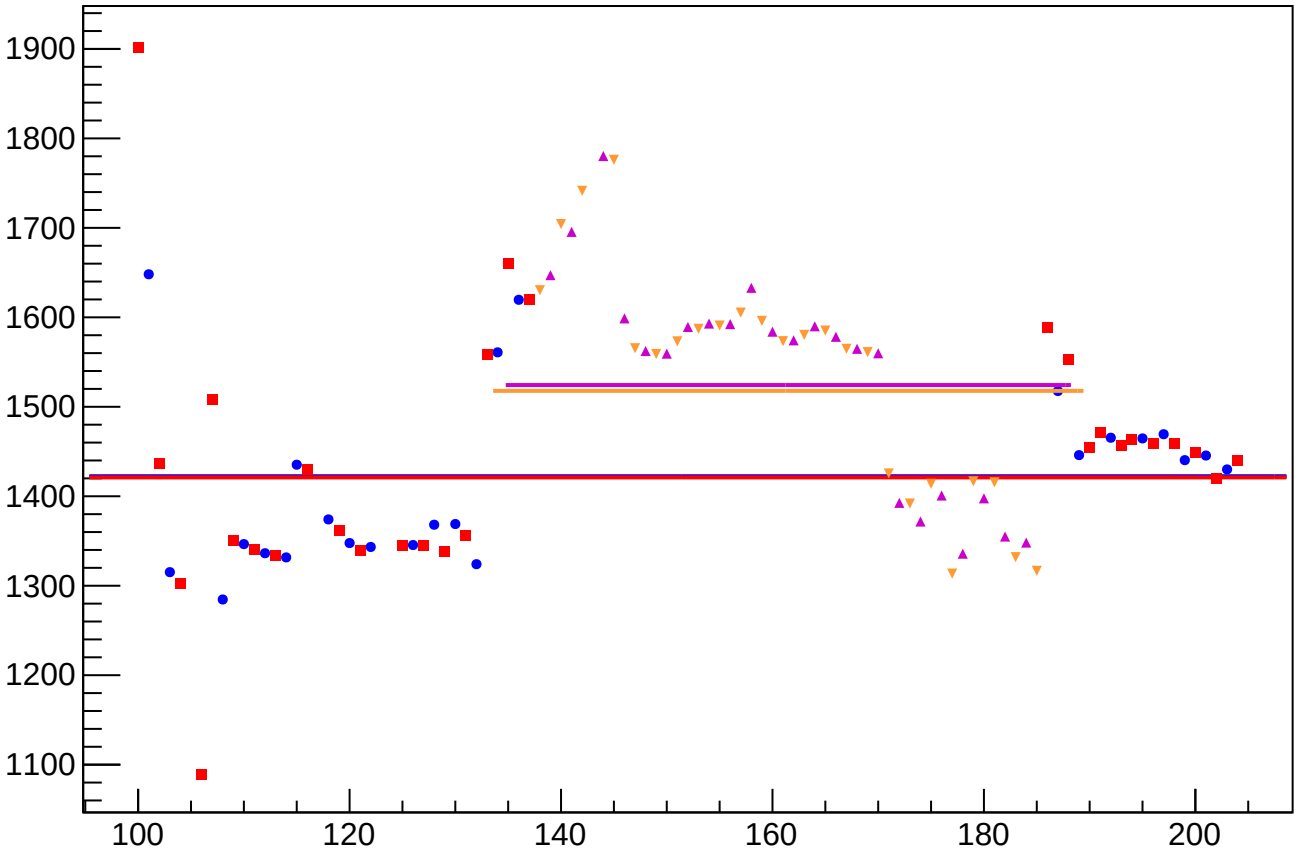
Left: 1679.172+/-251.199 χ^2/NDF: 59.4/46

Right: 2212.067+/-268.221 χ^2/NDF: 27.4/52

In: 2222.053+/-264.020 χ^2/NDF:24.9/46

Out: 1654.443+/-254.810 χ^2/NDF:61.6/52

All: 1928.174+/-183.347 χ^2/NDF: 88.9/99



Right In: 1422.389+/-0.277 χ^2/NDF: 105601.2/23

Left Out: 1517.815+/-0.250 χ^2/NDF:233957.9/23

Right Out: 1421.077+/-0.258 χ^2/NDF: 159112.3/28

Left In: 1524.314+/-0.252 χ^2/NDF:224321.2/22

Left: 1521.032+/-0.178 χ^2/NDF: 458613.6/46

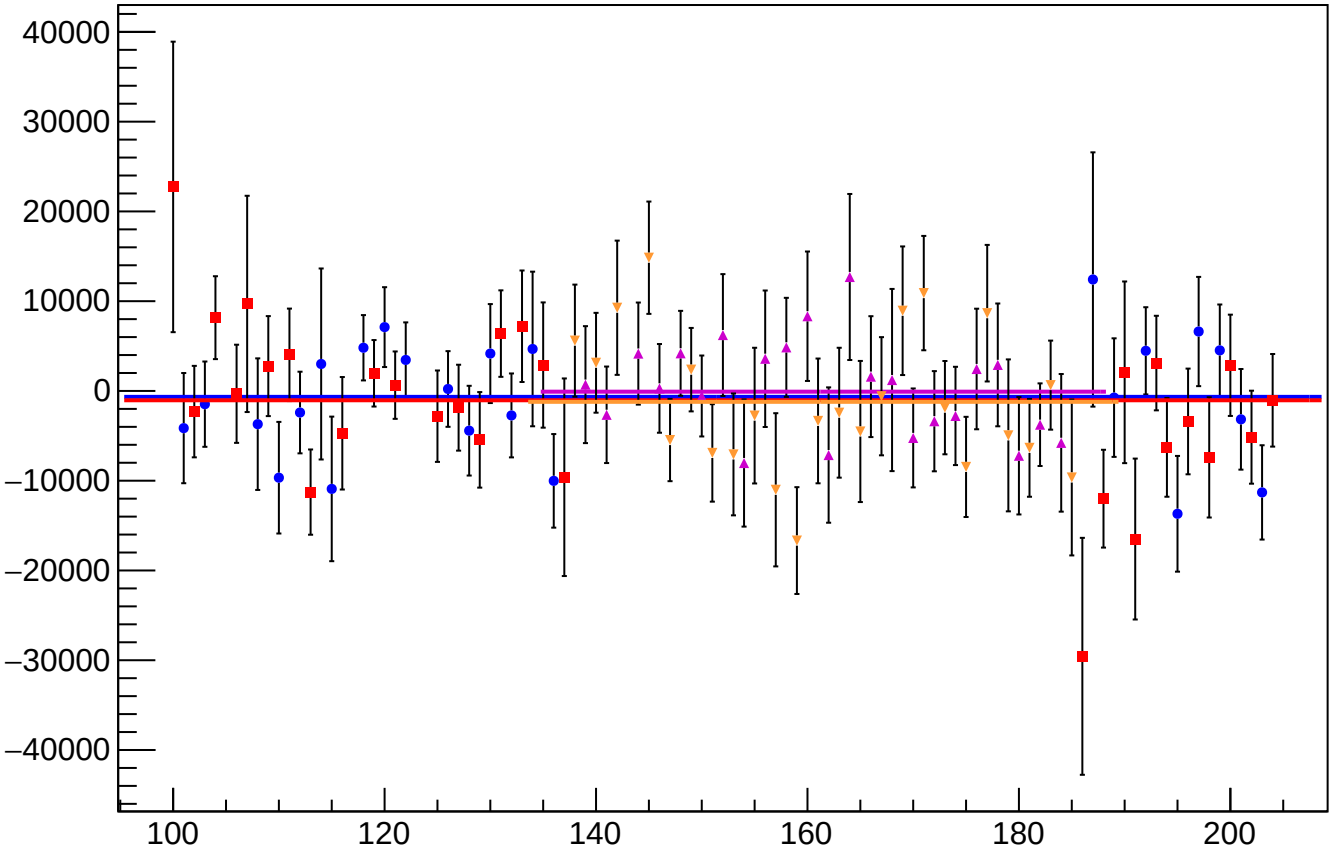
Right: 1421.687+/-0.189 χ^2/NDF: 264725.6/52

In: 1478.115+/-0.187 χ^2/NDF:403788.1/46

Out: 1471.026+/-0.180 χ^2/NDF:465529.6/52

All: 1474.433+/-0.129 χ^2/NDF: 870066.5/99

asym_usl_atl2_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -658.918+/-1101.559 χ^2/NDF: 28.8/23

Left Out: -1211.889+/-1268.316 χ^2/NDF:33.2/23

Right Out: -1038.745+/-1044.449 χ^2/NDF: 35.7/28

Left In: -80.689+/-1264.325 χ^2/NDF:13.2/22

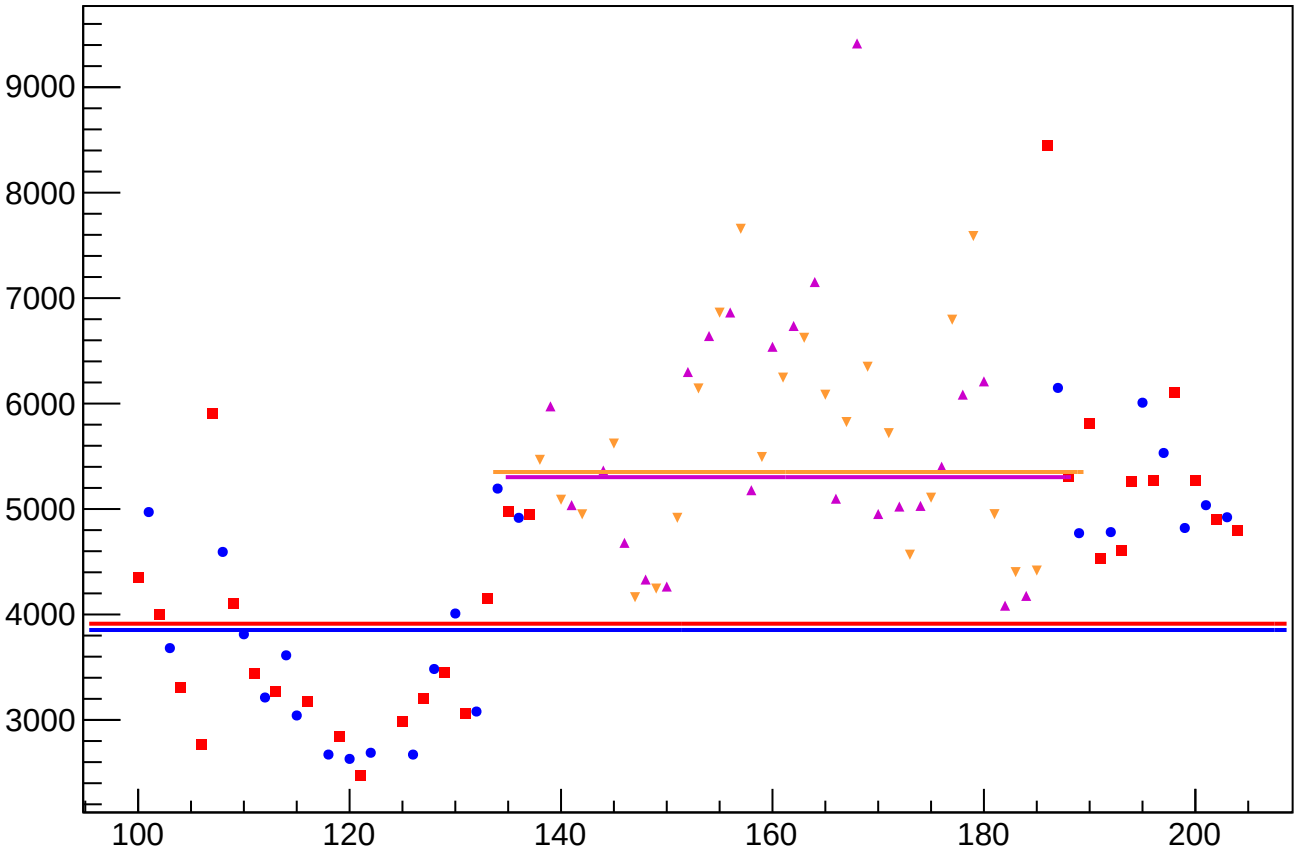
Left: -644.506+/-895.421 χ^2/NDF: 46.8/46

Right: -858.932+/-757.923 χ^2/NDF: 64.5/52

In: -409.396+/-830.544 χ^2/NDF:42.1/46

Out: -1108.713+/-806.256 χ^2/NDF:68.9/52

All: -769.429+/-578.505 χ^2/NDF: 111.4/99



Right In: 3852.850+/-0.779 χ^2/NDF: 1806769.6/23

Left Out: 5351.132+/-0.897 χ^2/NDF:1066039.6/23

Right Out: 3912.442+/-0.739 χ^2/NDF: 2148151.9/28

Left In: 5302.177+/-0.894 χ^2/NDF:1256324.3/22

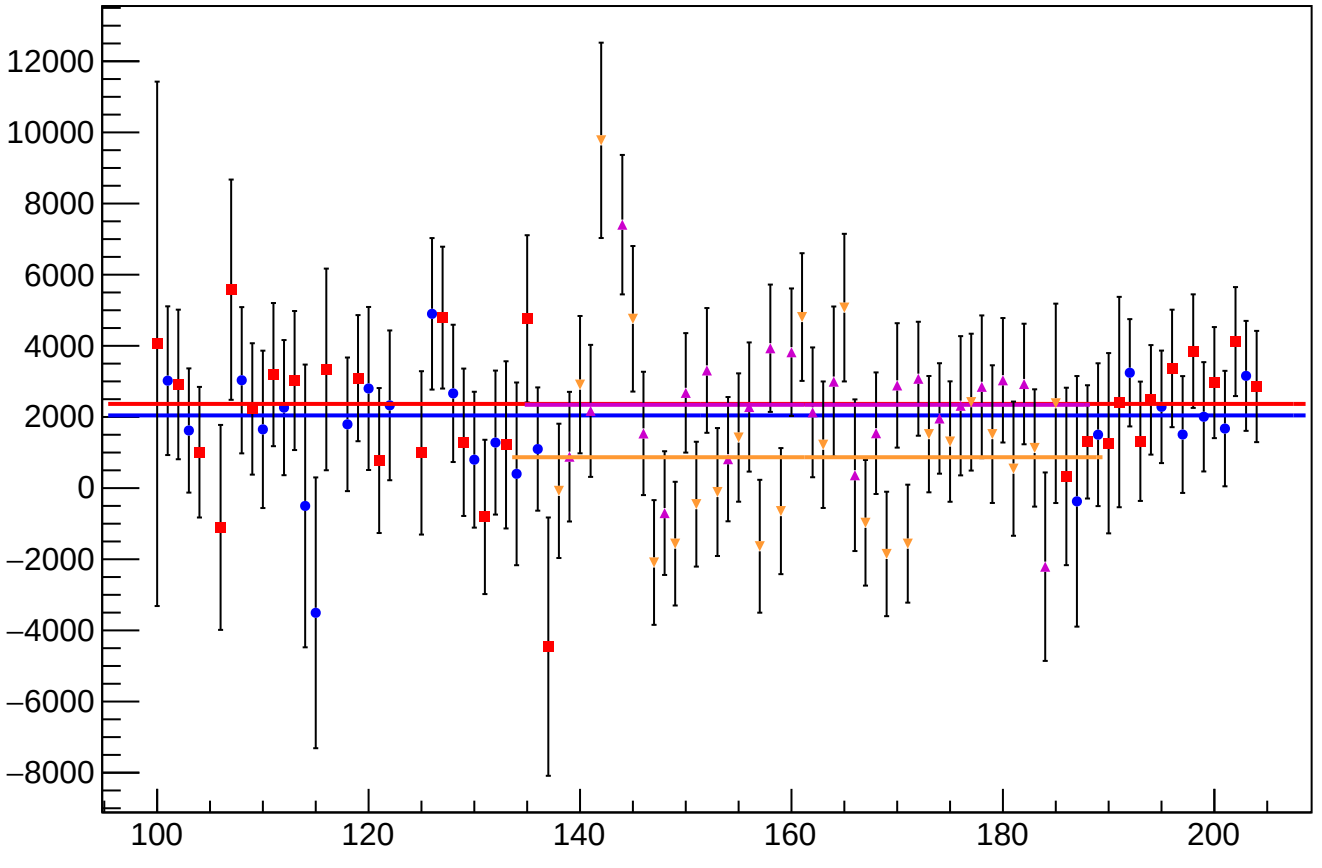
Left: 5326.577+/-0.633 χ^2/NDF: 2323858.4/46

Right: 3884.231+/-0.536 χ^2/NDF: 3958003.8/52

In: 4478.274+/-0.587 χ^2/NDF:4557108.3/46

Out: 4493.820+/-0.570 χ^2/NDF:4747680.7/52

All: 4486.277+/-0.409 χ^2/NDF: 9305149.7/99



Right In: 2043.693+/-396.537 χ^2/NDF: 8.3/23

Left Out: 868.415+/-377.179 χ^2/NDF:39.7/23

Right Out: 2367.097+/-373.120 χ^2/NDF: 17.9/28

Left In: 2342.303+/-378.114 χ^2/NDF:18.0/22

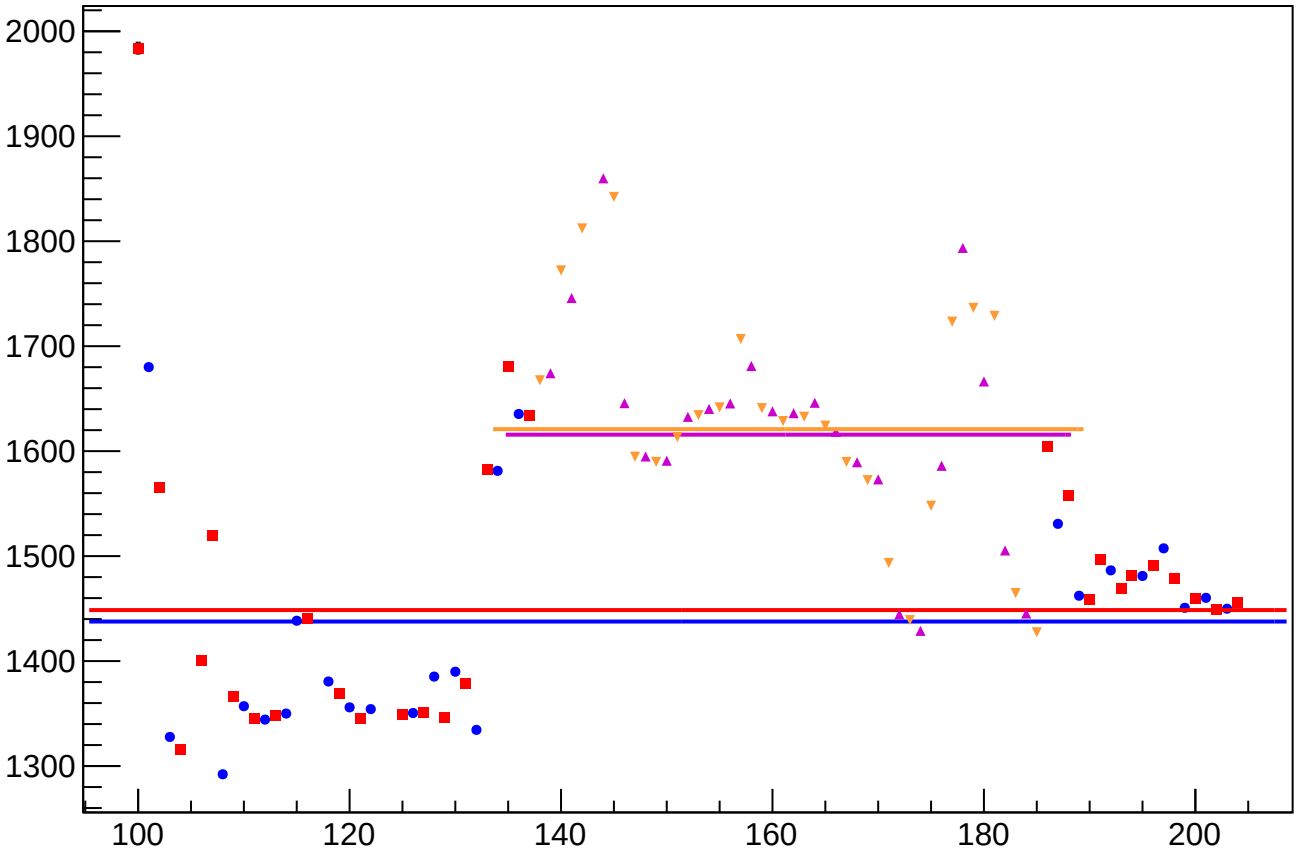
Left: 1603.536+/-267.036 χ^2/NDF: 65.4/46

Right: 2215.226+/-271.737 χ^2/NDF: 26.6/52

In: 2200.095+/-273.648 χ^2/NDF:26.6/46

Out: 1625.865+/-265.259 χ^2/NDF:65.7/52

All: 1904.044+/-190.463 χ^2/NDF: 94.5/99



Right In: 1437.682+/-0.280 χ^2/NDF: 113987.2/23

Left Out: 1620.945+/-0.267 χ^2/NDF:141985.5/23

Right Out: 1448.588+/-0.263 χ^2/NDF: 120456.4/28

Left In: 1615.705+/-0.267 χ^2/NDF:137139.2/22

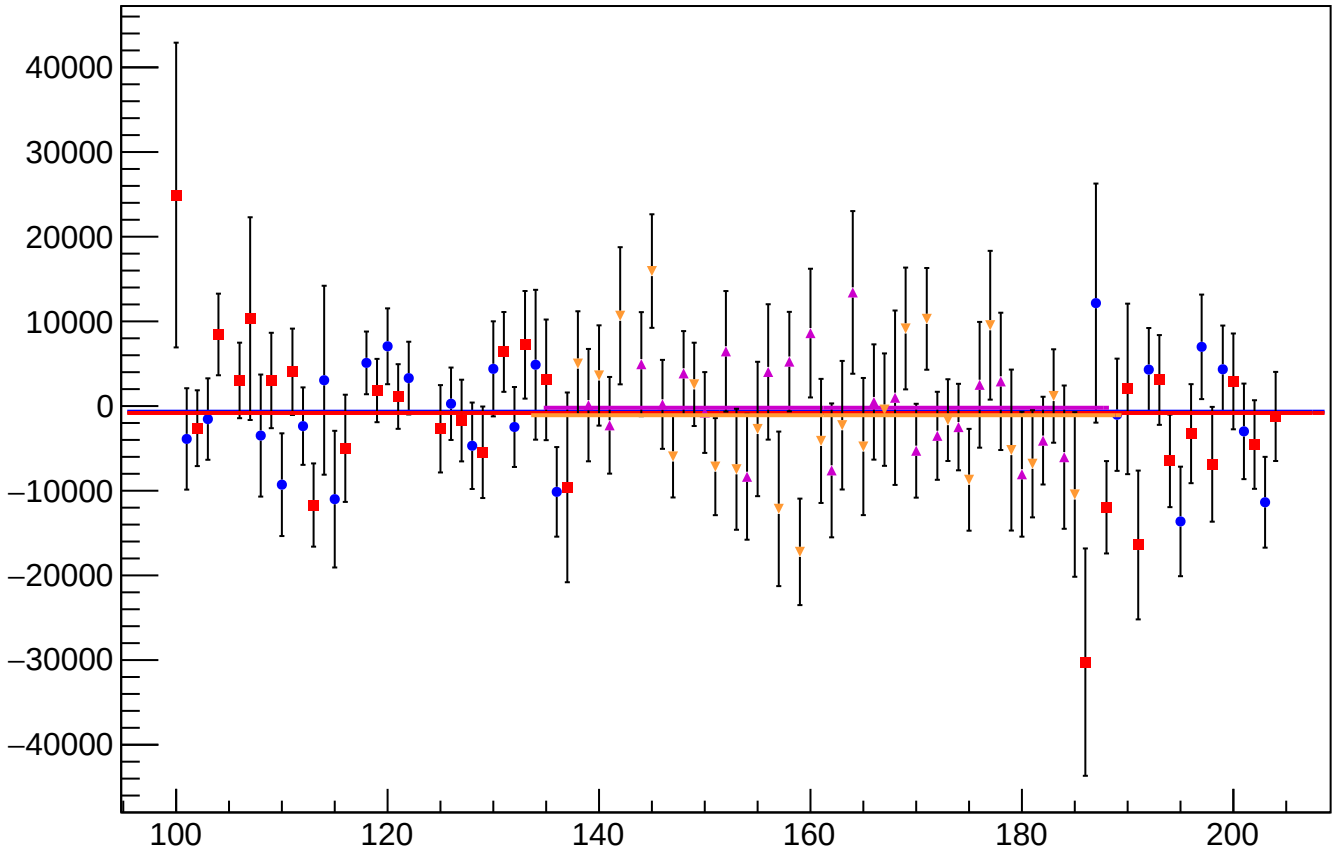
Left: 1618.331+/-0.189 χ^2/NDF: 279317.2/46

Right: 1443.474+/-0.192 χ^2/NDF: 235247.0/52

In: 1530.925+/-0.193 χ^2/NDF:462259.0/46

Out: 1533.719+/-0.187 χ^2/NDF:473795.1/52

All: 1532.366+/-0.135 χ^2/NDF: 936161.7/99



Right In: -666.947+/-1113.220 χ^2/NDF: 28.4/23

Left Out: -1082.232+/-1332.403 χ^2/NDF:32.9/23

Right Out: -817.270+/-1038.025 χ^2/NDF: 36.5/28

Left In: -201.662+/-1326.173 χ^2/NDF:12.9/22

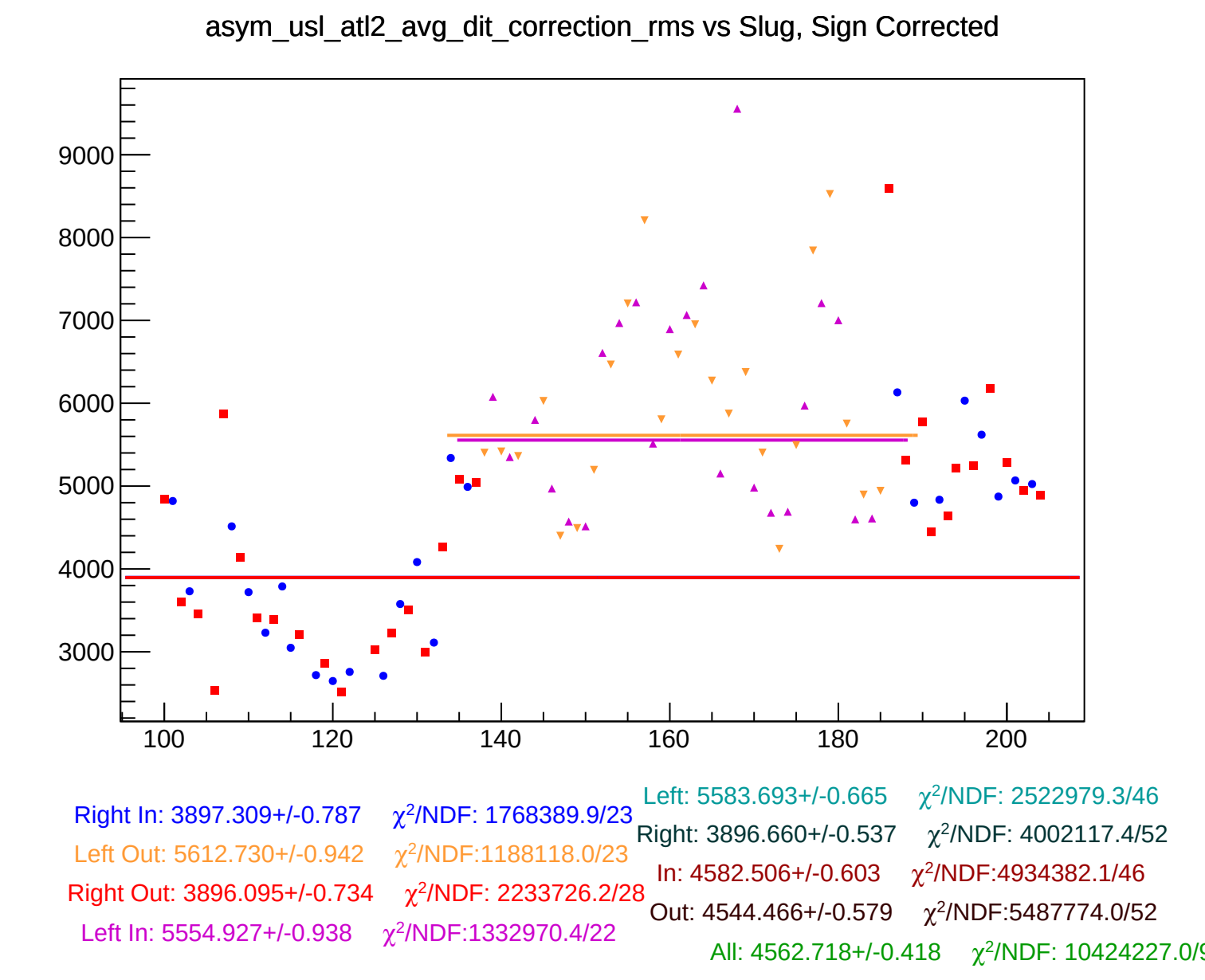
Left: -639.884+/-939.941 χ^2/NDF: 46.1/46

Right: -747.356+/-759.187 χ^2/NDF: 64.8/52

In: -474.615+/-852.640 χ^2/NDF:41.3/46

Out: -917.346+/-818.857 χ^2/NDF:69.5/52

All: -704.925+/-590.602 χ^2/NDF: 110.9/99


asym_usl_atl2_avg_dit_correction_rms vs Slug, Sign Corrected
9000
8000
7000
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5000
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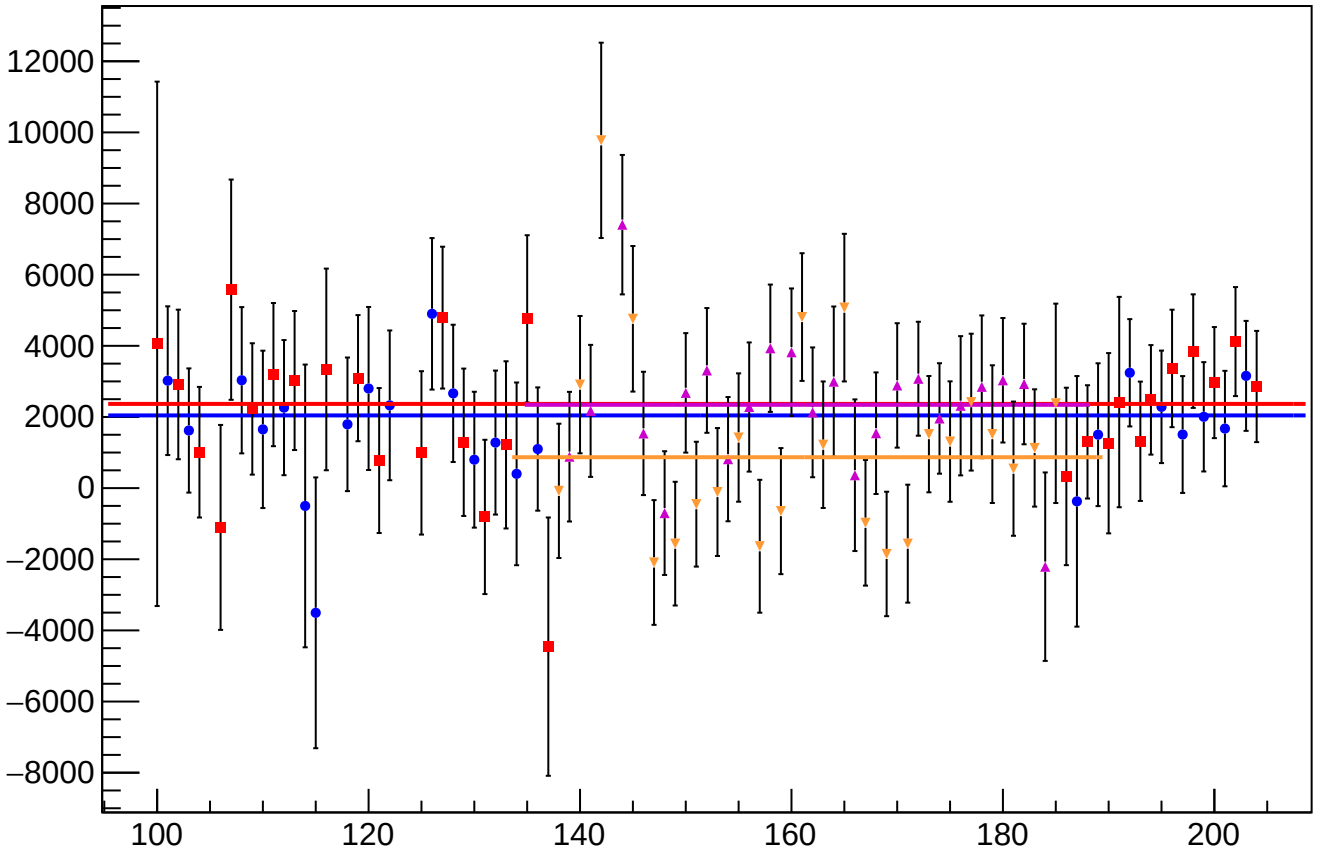
140
160
180
200
Right In: 3897.309+/-0.787 χ²/NDF: 1768389.9/23
Left Out: 5612.730+/-0.942 χ²/NDF:1188118.0/23
Right Out: 3896.095+/-0.734 χ²/NDF: 2233726.2/28
Left In: 5554.927+/-0.938 χ²/NDF:1332970.4/22
Left: 5583.693+/-0.665 χ²/NDF: 2522979.3/46
Right: 3896.660+/-0.537 χ²/NDF: 4002117.4/52
In: 4582.506+/-0.603 χ²/NDF:4934382.1/46
Out: 4544.466+/-0.579 χ²/NDF:5487774.0/52
All: 4562.718+/-0.418 χ²/NDF: 10424227.0/9



Right In: 2043.689+/-396.537 χ^2/NDF: 8.3/23

Left Out: 868.410+/-377.180 χ^2/NDF:39.7/23

Right Out: 2367.097+/-373.120 χ^2/NDF: 17.9/28

Left In: 2342.303+/-378.114 χ^2/NDF:18.0/22

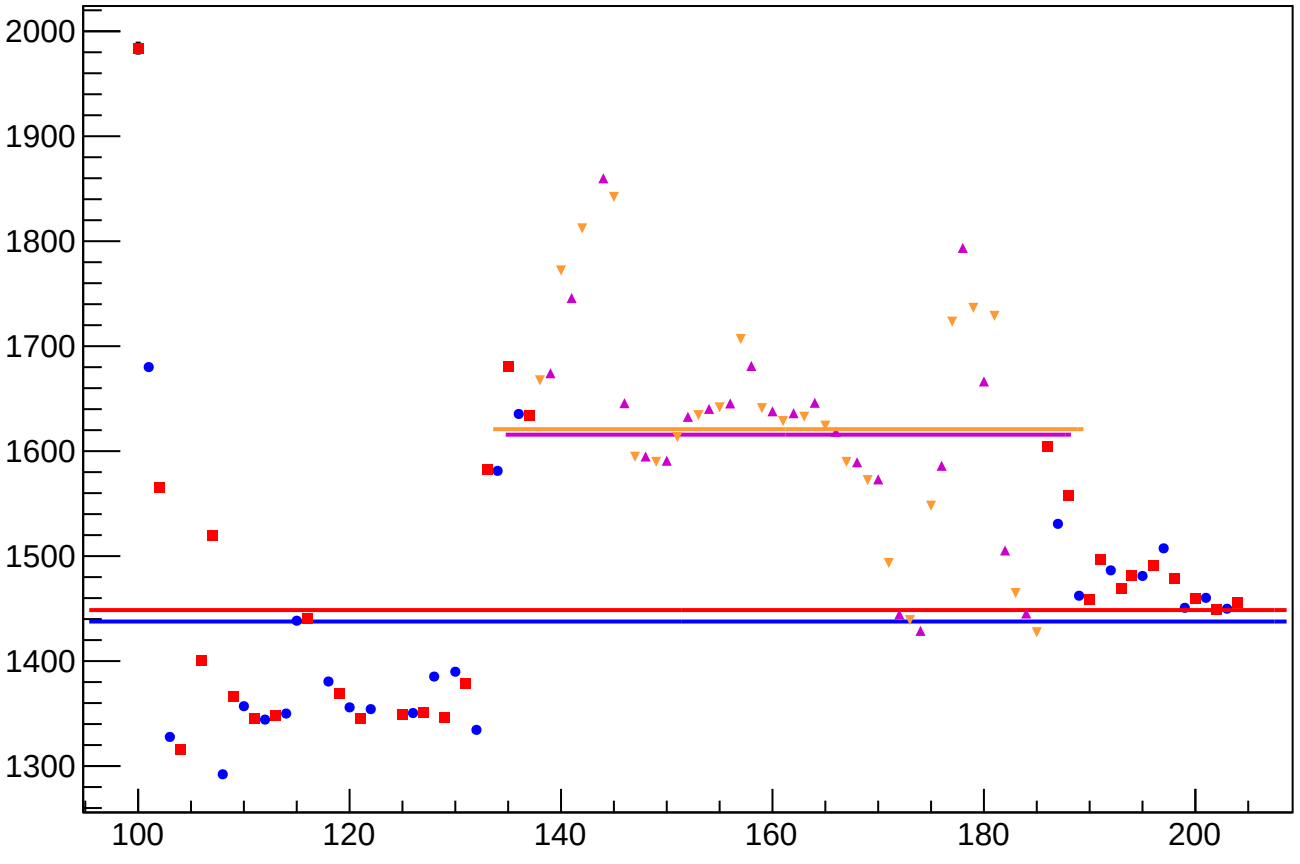
Left: 1603.533+/-267.036 χ^2/NDF: 65.4/46

Right: 2215.224+/-271.737 χ^2/NDF: 26.6/52

In: 2200.094+/-273.648 χ^2/NDF:26.6/46

Out: 1625.863+/-265.259 χ^2/NDF:65.7/52

All: 1904.042+/-190.463 χ^2/NDF: 94.5/99



Right In: 1437.682+/-0.280 χ^2/NDF: 113987.3/23

Left Out: 1620.946+/-0.267 χ^2/NDF:141990.3/23

Right Out: 1448.588+/-0.263 χ^2/NDF: 120456.5/28

Left In: 1615.706+/-0.267 χ^2/NDF:137144.0/22

Left: 1618.333+/-0.189 χ^2/NDF: 279326.8/46

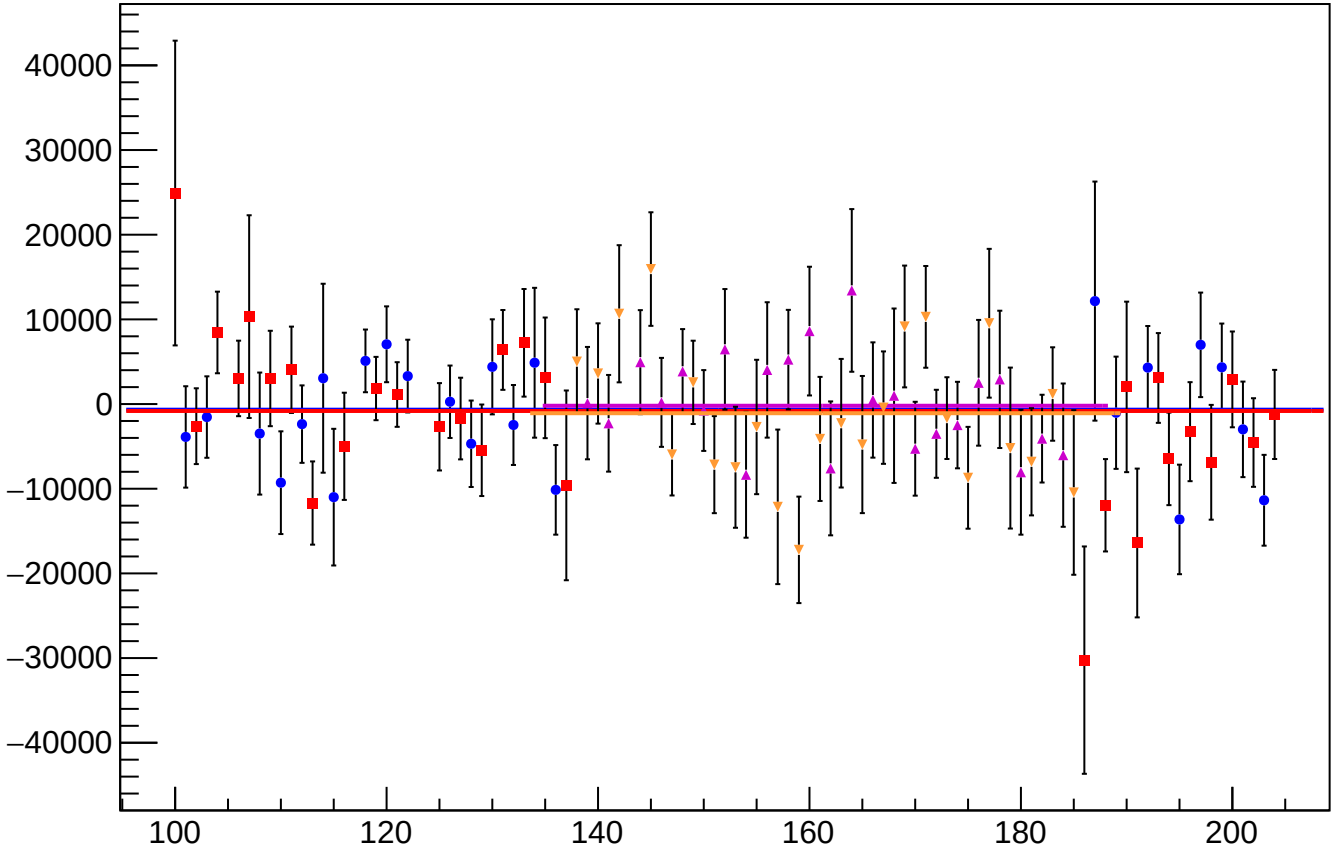
Right: 1443.474+/-0.192 χ^2/NDF: 235247.2/52

In: 1530.925+/-0.193 χ^2/NDF:462266.3/46

Out: 1533.720+/-0.187 χ^2/NDF:473802.9/52

All: 1532.367+/-0.135 χ^2/NDF: 936176.8/99

asym_usl_atl2_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -666.939+/-1113.218 χ^2/NDF: 28.4/23

Left Out: -1082.239+/-1332.405 χ^2/NDF:32.9/23

Right Out: -817.263+/-1038.024 χ^2/NDF: 36.5/28

Left In: -201.663+/-1326.175 χ^2/NDF:12.9/22

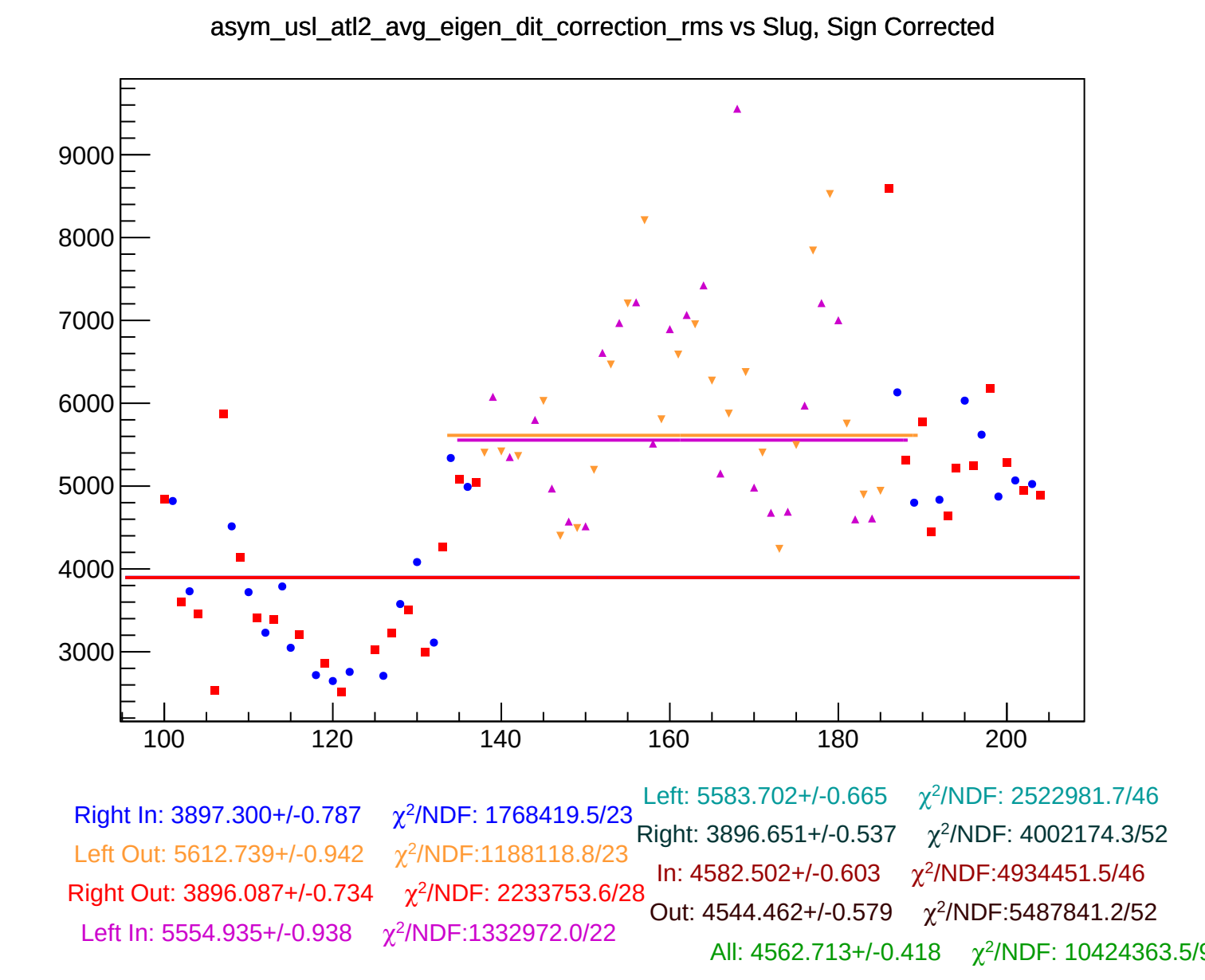
Left: -639.888+/-939.942 χ^2/NDF: 46.1/46

Right: -747.349+/-759.186 χ^2/NDF: 64.8/52

In: -474.612+/-852.640 χ^2/NDF:41.3/46

Out: -917.344+/-818.857 χ^2/NDF:69.5/52

All: -704.922+/-590.601 χ^2/NDF: 110.9/99


asym_usl_atl2_avg_eigen_dit_correction_rms vs Slug, Sign Corrected
9000
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5000
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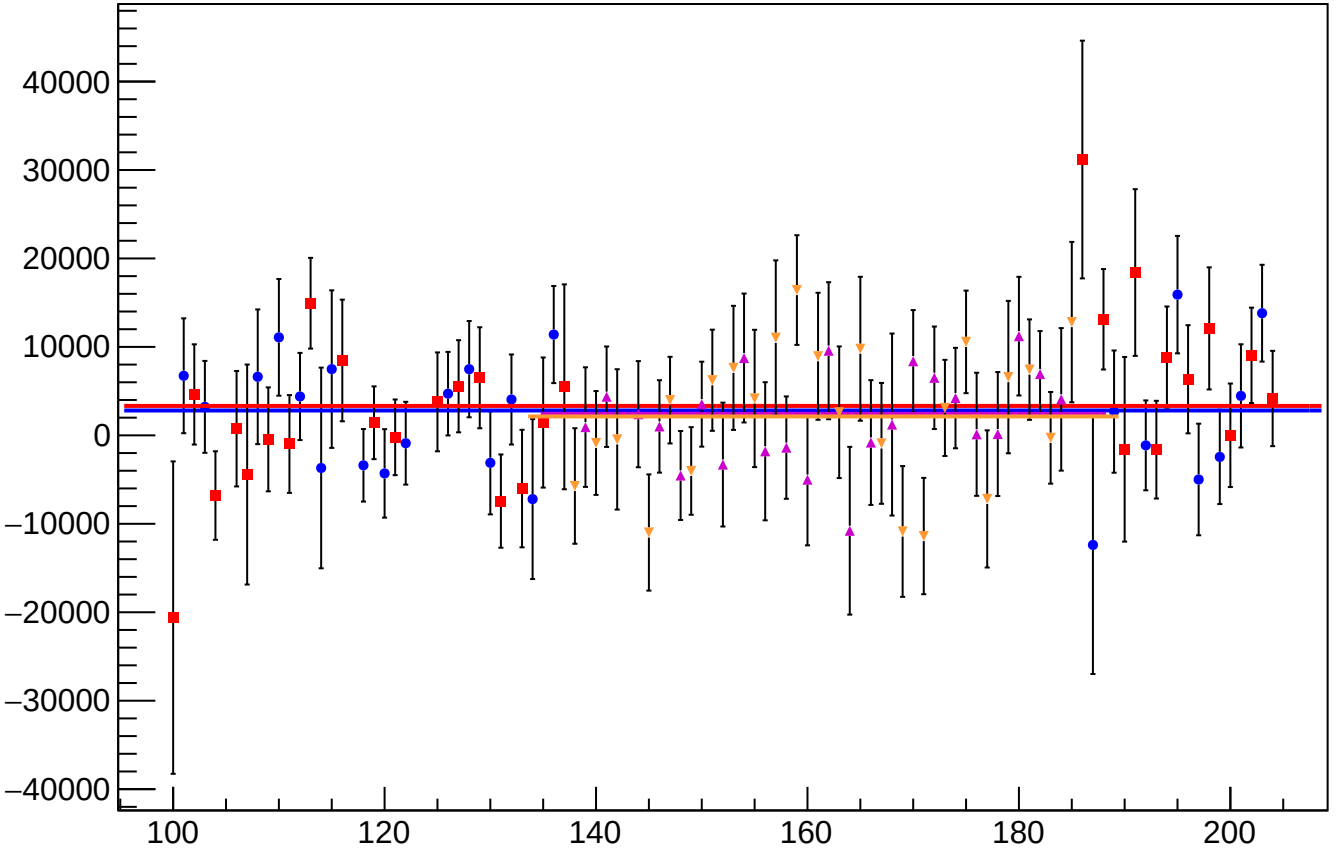
3000
100
120
140
160
180
200
Right In: 3897.300+/-0.787 χ²/NDF: 1768419.5/23
Left Out: 5612.739+/-0.942 χ²/NDF:1188118.8/23
Right Out: 3896.087+/-0.734 χ²/NDF: 2233753.6/28
Left In: 5554.935+/-0.938 χ²/NDF:1332972.0/22
Left: 5583.702+/-0.665 χ²/NDF: 2522981.7/46
Right: 3896.651+/-0.537 χ²/NDF: 4002174.3/52
In: 4582.502+/-0.603 χ²/NDF:4934451.5/46
Out: 4544.462+/-0.579 χ²/NDF:5487841.2/52
All: 4562.713+/-0.418 χ²/NDF: 10424363.5/9

asym_usl_atl2_avg_mean vs Slug, Sign Corrected



Right In: 2811.045+/-1186.835 χ^2/NDF: 25.7/23

Left Out: 2138.140+/-1324.387 χ^2/NDF:30.7/23

Right Out: 3328.580+/-1125.775 χ^2/NDF: 36.0/28

Left In: 2428.059+/-1321.080 χ^2/NDF:12.9/22

Left: 2283.462+/-935.312 χ^2/NDF: 43.6/46

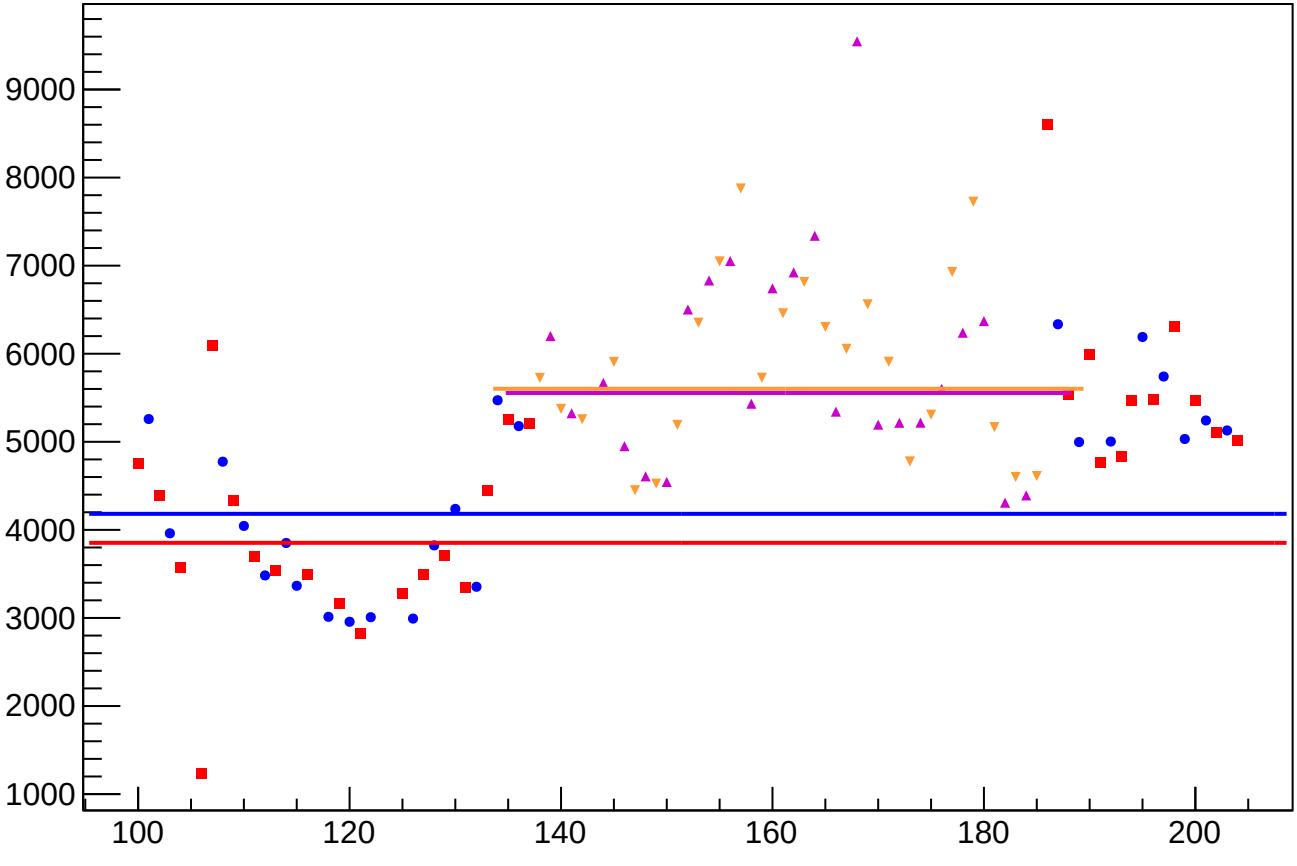
Right: 3083.468+/-816.776 χ^2/NDF: 61.8/52

In: 2639.994+/-882.877 χ^2/NDF:38.6/46

Out: 2829.228+/-857.757 χ^2/NDF:67.1/52

All: 2737.341+/-615.215 χ^2/NDF: 105.8/99

asym_usl_atl2_avg_rms vs Slug, Sign Corrected



Right In: 4182.064+/-0.839 χ^2/NDF: 1439551.4/23

Left Out: 5602.266+/-0.936 χ^2/NDF:940451.0/23

Right Out: 3852.814+/-0.750 χ^2/NDF: 3660174.8/28

Left In: 5554.054+/-0.934 χ^2/NDF:1112177.4/22

Left: 5578.100+/-0.661 χ^2/NDF: 2053956.9/46

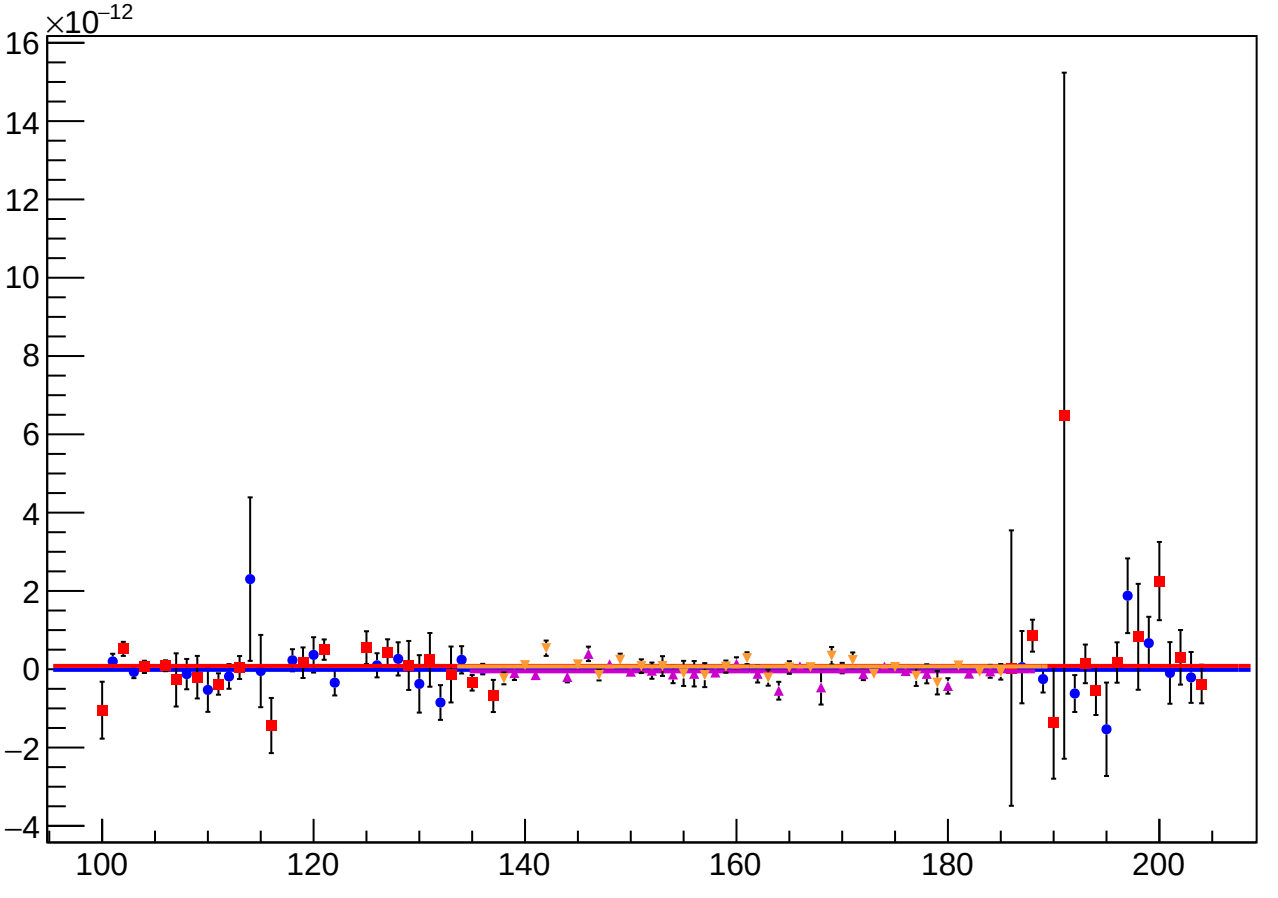
Right: 3998.959+/-0.559 χ^2/NDF: 5185326.7/52

In: 4794.827+/-0.624 χ^2/NDF:3745427.9/46

Out: 4536.151+/-0.585 χ^2/NDF:6727324.4/52

All: 4657.156+/-0.427 χ^2/NDF: 10564127.3/9

asym_usl_atl2_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



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

Left Out: 0.000+/-0.000 χ^2/NDF:28.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 41.7/28

Left In: -0.000+/-0.000 χ^2/NDF:25.4/22

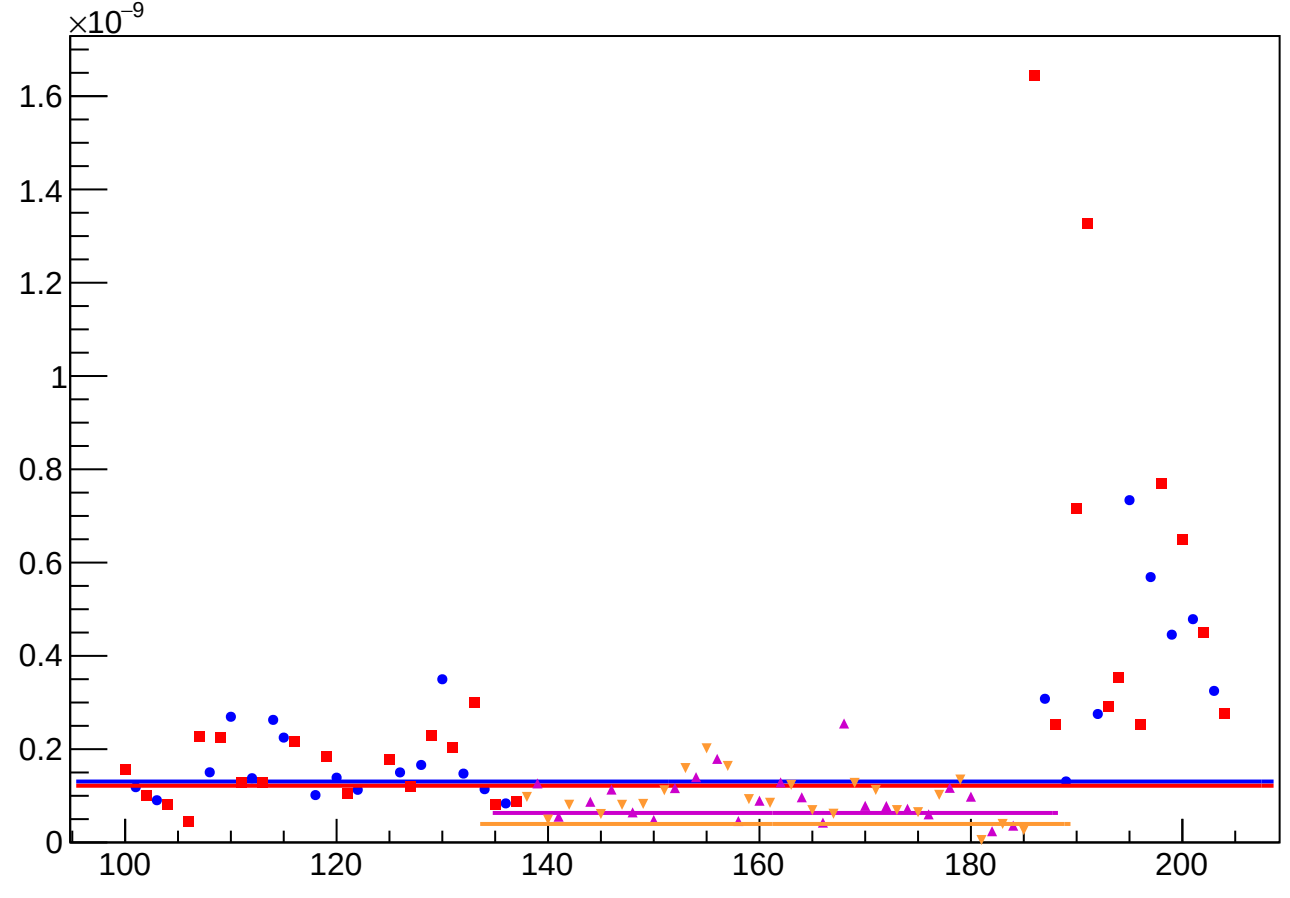
Left: 0.000+/-0.000 χ^2/NDF: 65.8/46

Right: 0.000+/-0.000 χ^2/NDF: 62.9/52

In: -0.000+/-0.000 χ^2/NDF:45.6/46

Out: 0.000+/-0.000 χ^2/NDF:70.0/52

All: 0.000+/-0.000 χ^2/NDF: 128.8/99



Right In: 0.000+/-0.000 χ^2/NDF: 2982274.4/23

Left Out: 0.000+/-0.000 χ^2/NDF:6954816.0/23

Right Out: 0.000+/-0.000 χ^2/NDF: 4594607.3/28

Left In: 0.000+/-0.000 χ^2/NDF:2922990.6/22

Left: 0.000+/-0.000 χ^2/NDF: 10753766.3/46

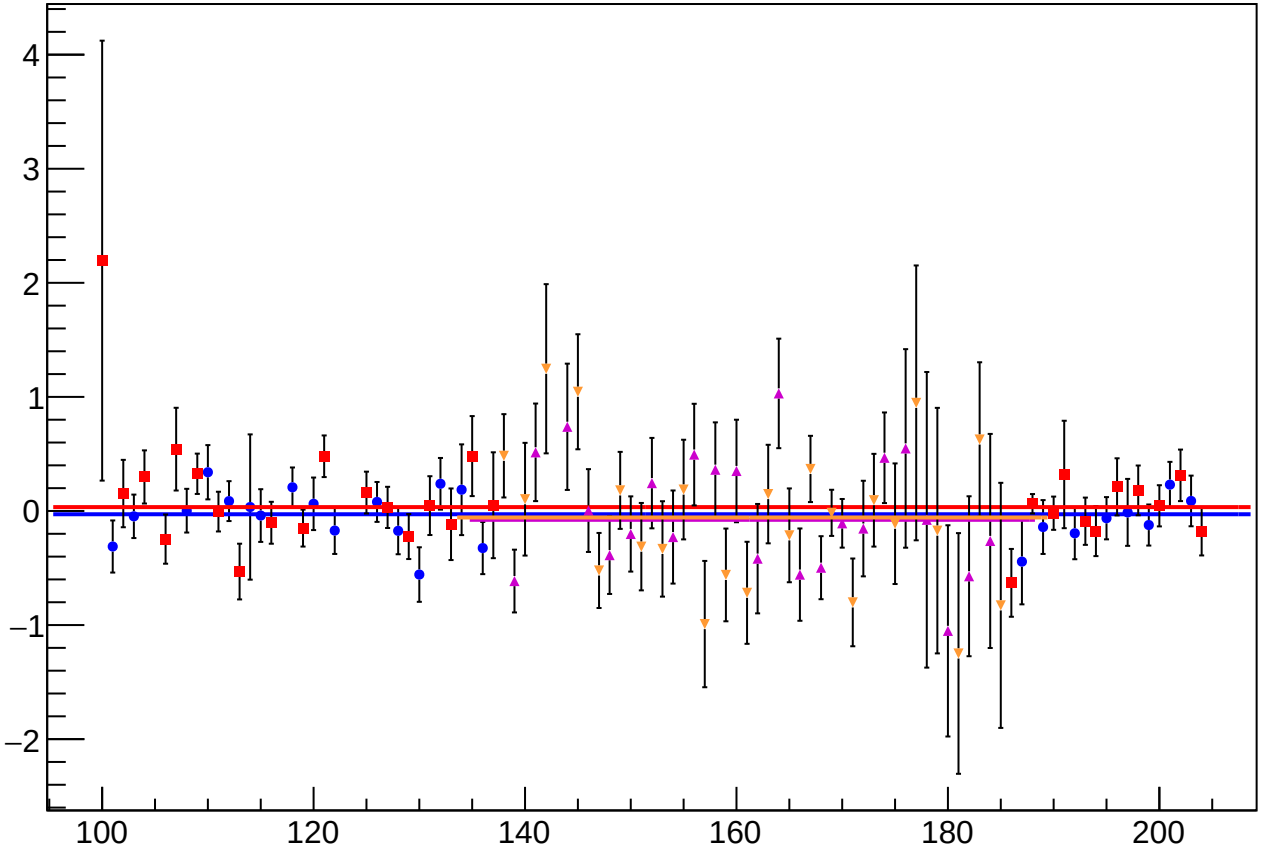
Right: 0.000+/-0.000 χ^2/NDF: 7596325.1/52

In: 0.000+/-0.000 χ^2/NDF:7633041.3/46

Out: 0.000+/-0.000 χ^2/NDF:14611765.9/52

All: 0.000+/-0.000 χ^2/NDF: 23340828.3/99

asym_usl_atl2_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.029+/-0.045 χ^2/NDF: 20.3/23

Left Out: -0.057+/-0.085 χ^2/NDF:30.4/23

Right Out: 0.034+/-0.037 χ^2/NDF: 36.7/28

Left In: -0.077+/-0.083 χ^2/NDF:27.0/22

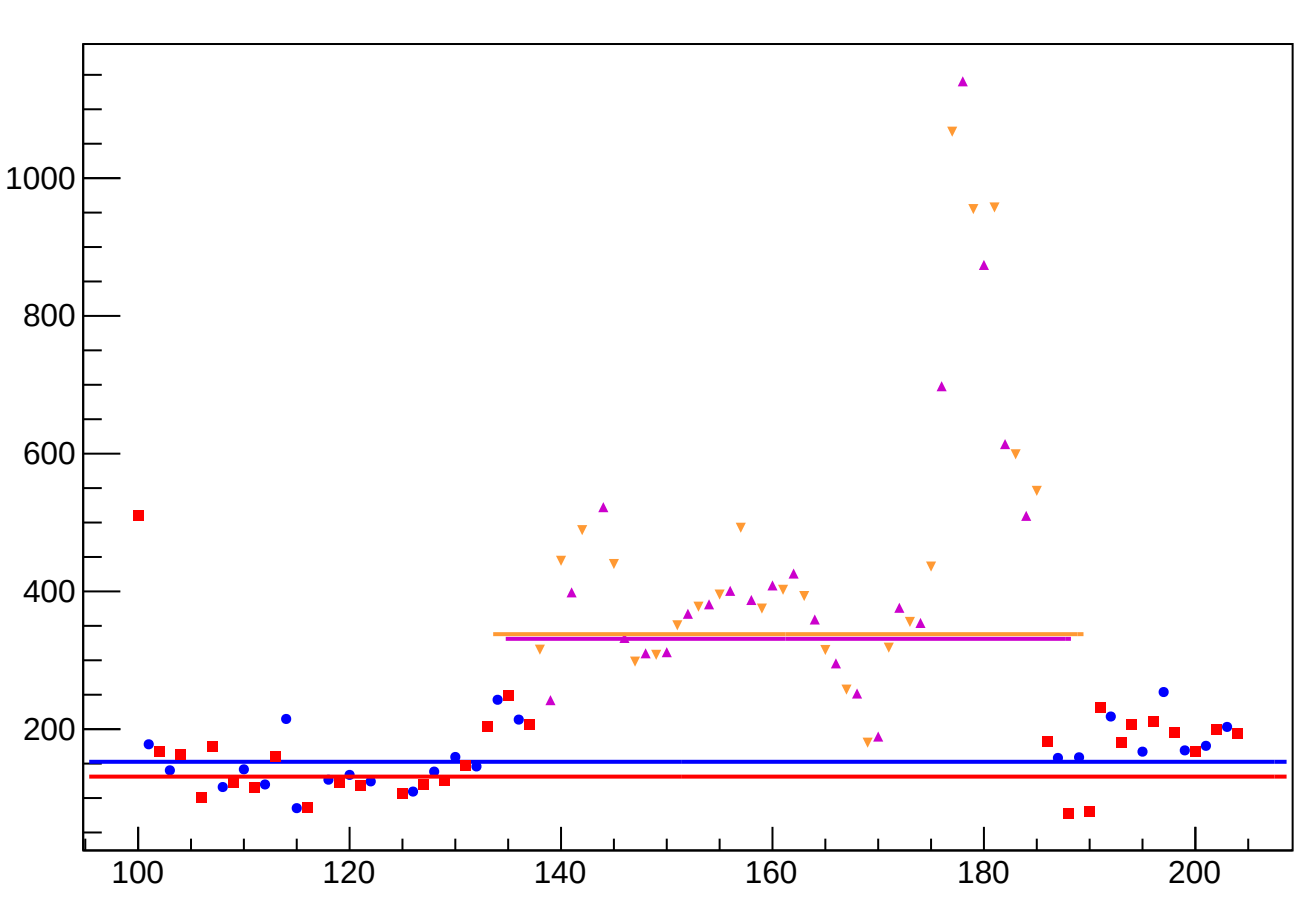
Left: -0.067+/-0.060 χ^2/NDF: 57.4/46

Right: 0.008+/-0.029 χ^2/NDF: 58.2/52

In: -0.040+/-0.039 χ^2/NDF:47.6/46

Out: 0.019+/-0.034 χ^2/NDF:68.1/52

All: -0.006+/-0.026 χ^2/NDF: 116.9/99



Right In: 152.627+/-0.032 χ^2/NDF: 1416407.4/23

Left Out: 337.937+/-0.060 χ^2/NDF:4517129.8/23

Right Out: 131.106+/-0.026 χ^2/NDF: 3198556.0/28

Left In: 331.158+/-0.059 χ^2/NDF:4106959.8/22

Left: 334.465+/-0.042 χ^2/NDF: 8630534.0/46

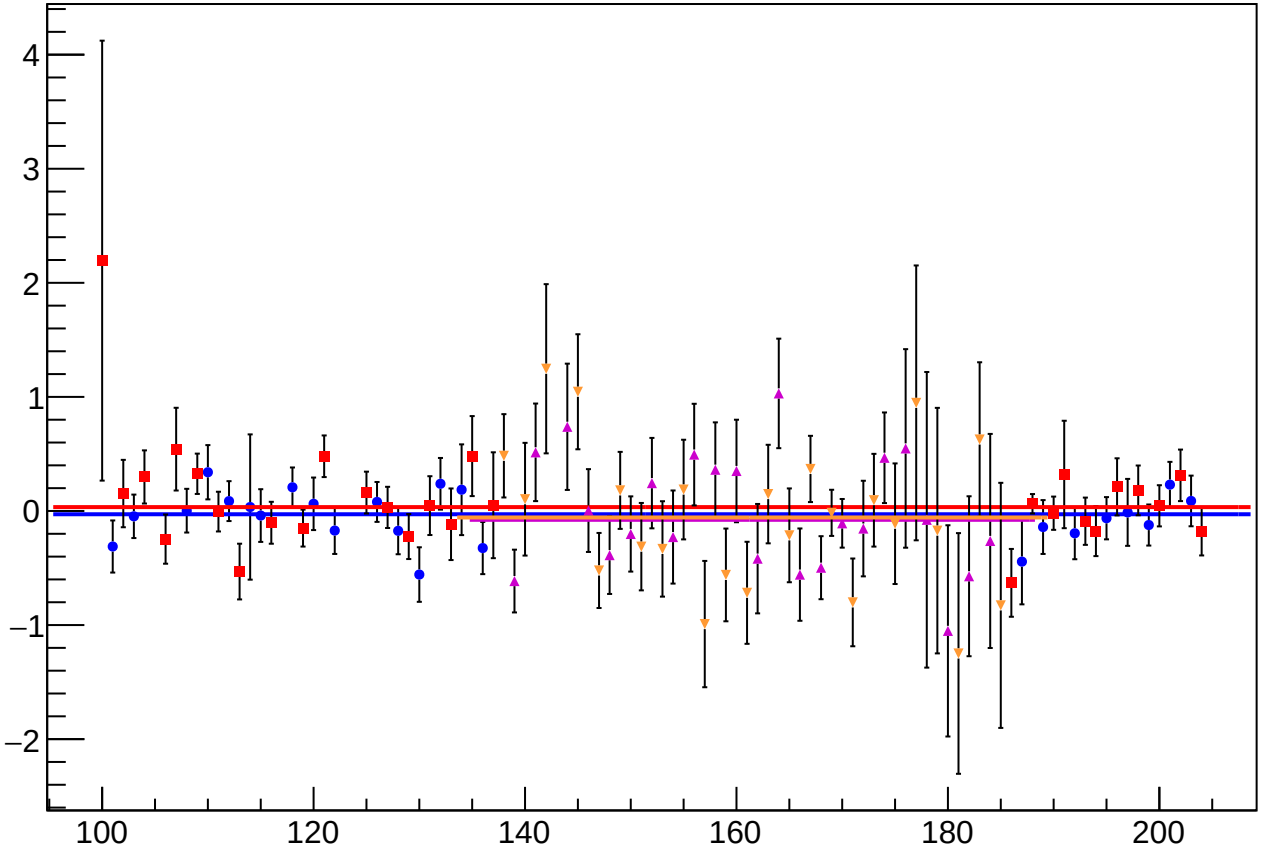
Right: 139.963+/-0.020 χ^2/NDF: 4888446.7/52

In: 192.383+/-0.028 χ^2/NDF:12644987.8/46

Out: 164.258+/-0.024 χ^2/NDF:17552791.9/52

All: 176.362+/-0.018 χ^2/NDF: 30779397.6/99

asym_usl_atl2_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.029+/-0.045 χ^2/NDF: 20.3/23

Left Out: -0.057+/-0.085 χ^2/NDF:30.4/23

Right Out: 0.034+/-0.037 χ^2/NDF: 36.7/28

Left In: -0.077+/-0.083 χ^2/NDF:27.0/22

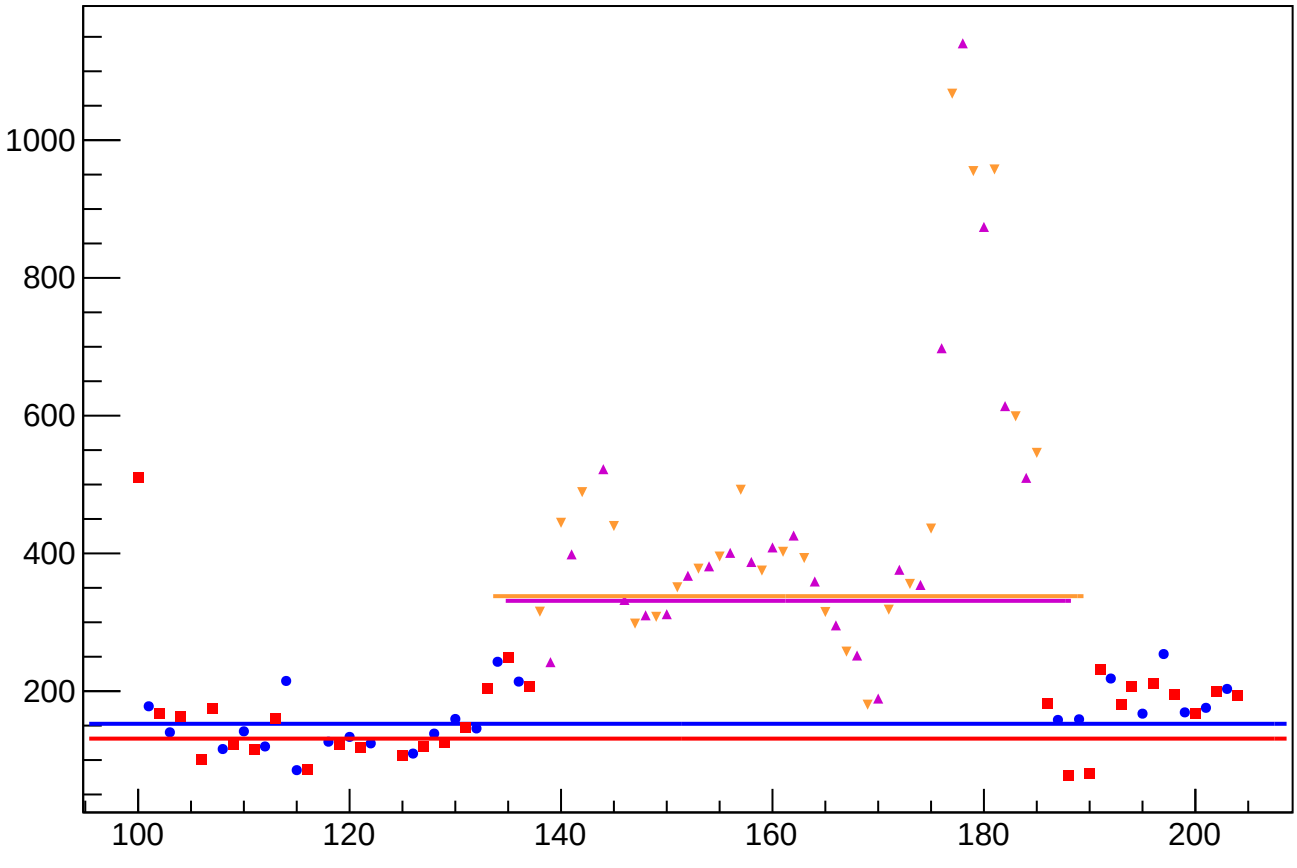
Left: -0.067+/-0.060 χ^2/NDF: 57.4/46

Right: 0.008+/-0.029 χ^2/NDF: 58.2/52

In: -0.040+/-0.039 χ^2/NDF:47.6/46

Out: 0.019+/-0.034 χ^2/NDF:68.1/52

All: -0.006+/-0.026 χ^2/NDF: 116.9/99



Right In: 152.627+/-0.032 χ^2/NDF: 1416407.4/23

Left Out: 337.937+/-0.060 χ^2/NDF:4517129.8/23

Right Out: 131.106+/-0.026 χ^2/NDF: 3198556.0/28

Left In: 331.158+/-0.059 χ^2/NDF:4106959.8/22

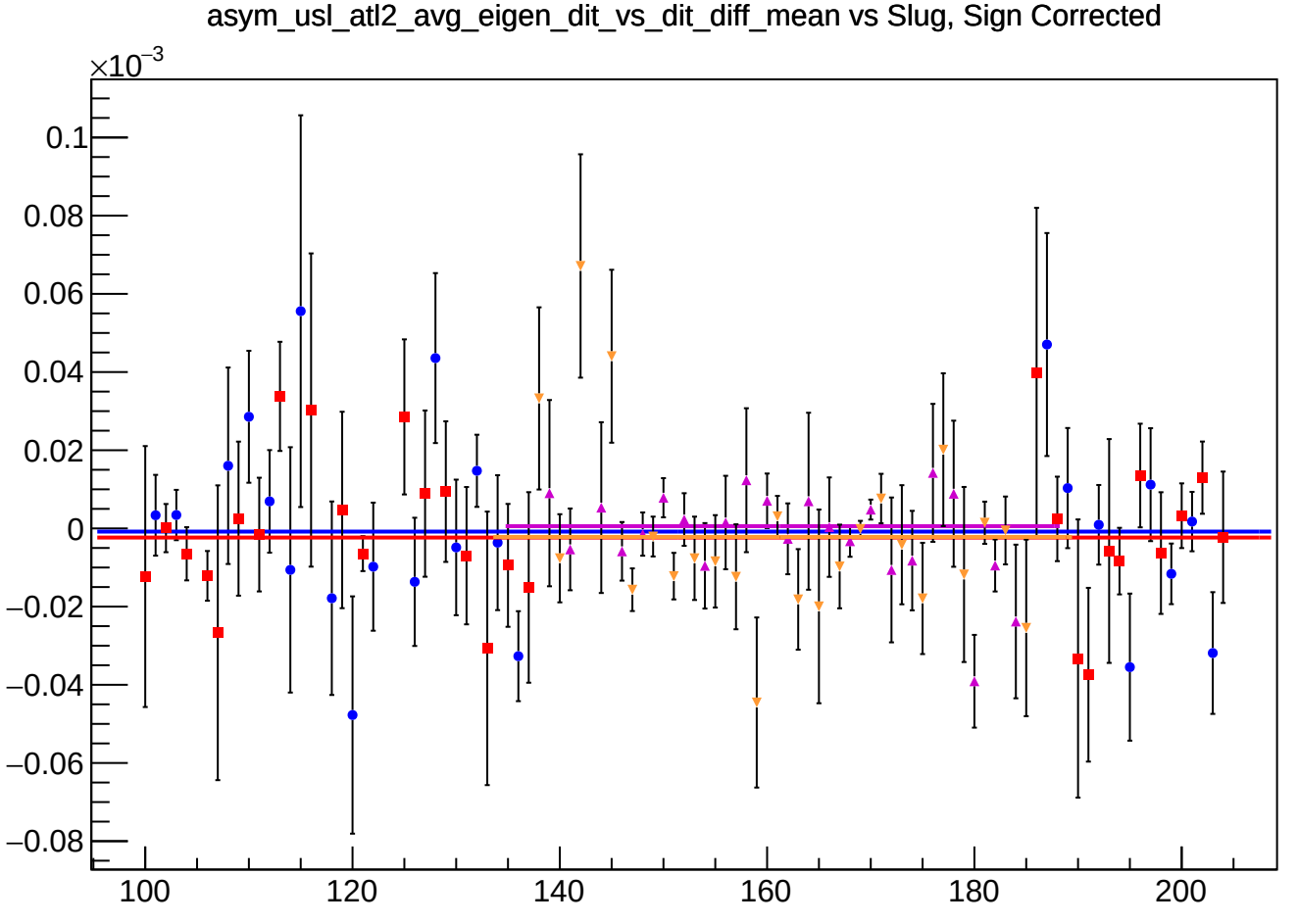
Left: 334.465+/-0.042 χ^2/NDF: 8630534.0/46

Right: 139.963+/-0.020 χ^2/NDF: 4888446.7/52

In: 192.383+/-0.028 χ^2/NDF:12644987.8/46

Out: 164.258+/-0.024 χ^2/NDF:17552791.9/52

All: 176.362+/-0.018 χ^2/NDF: 30779397.6/99



Right In: -0.000+/-0.000 χ^2/NDF: 37.8/23

Left Out: -0.000+/-0.000 χ^2/NDF:37.9/23

Right Out: -0.000+/-0.000 χ^2/NDF: 25.7/28

Left In: 0.000+/-0.000 χ^2/NDF:26.2/22

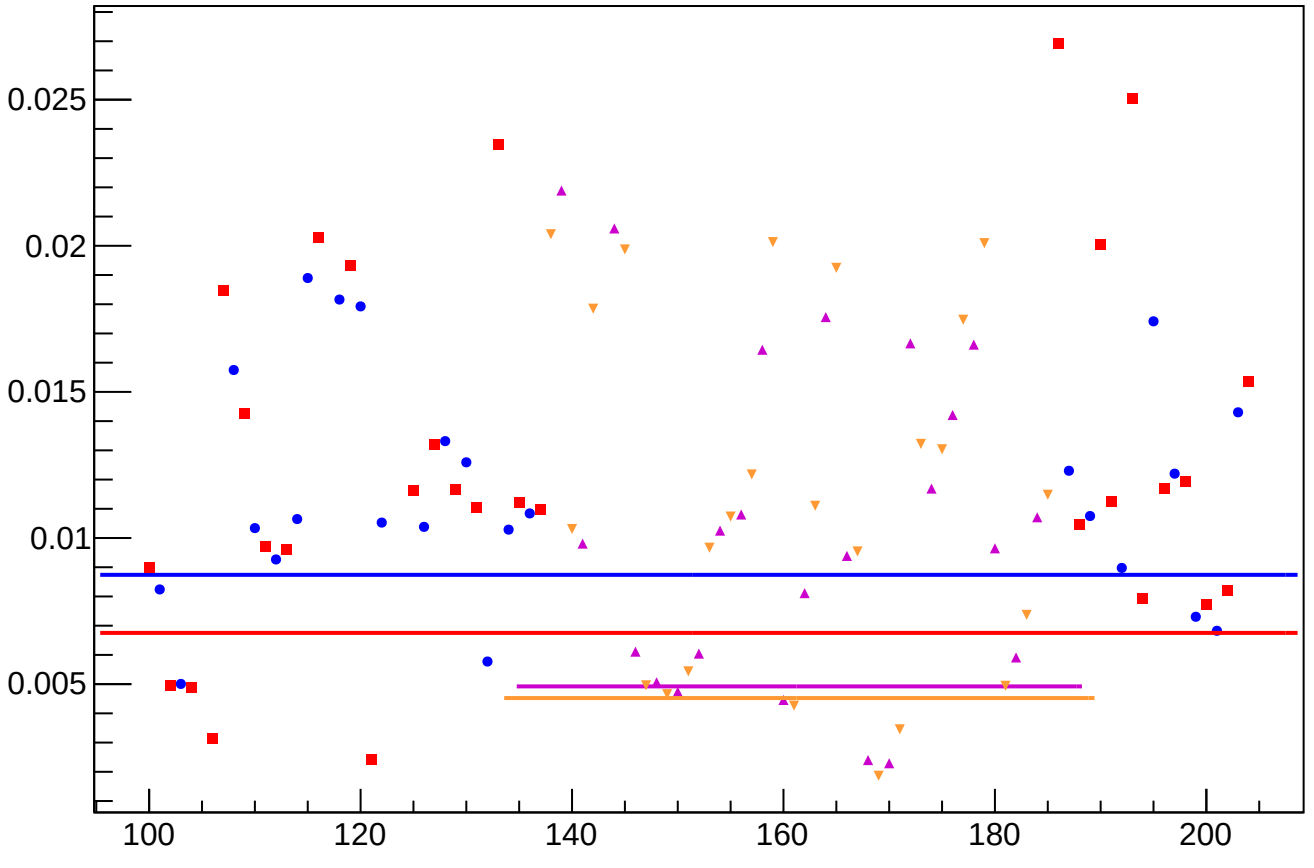
Left: -0.000+/-0.000 χ^2/NDF: 65.9/46

Right: -0.000+/-0.000 χ^2/NDF: 63.8/52

In: 0.000+/-0.000 χ^2/NDF:64.3/46

Out: -0.000+/-0.000 χ^2/NDF:63.6/52

All: -0.000+/-0.000 χ^2/NDF: 129.9/99



Right In: 0.009+/-0.000 χ^2/NDF: 2995340.4/23

Left Out: 0.005+/-0.000 χ^2/NDF:14239550.6/23

Right Out: 0.007+/-0.000 χ^2/NDF: 8496788.5/28

Left In: 0.005+/-0.000 χ^2/NDF:11626984.8/22

Left: 0.005+/-0.000 χ^2/NDF: 25942497.2/46

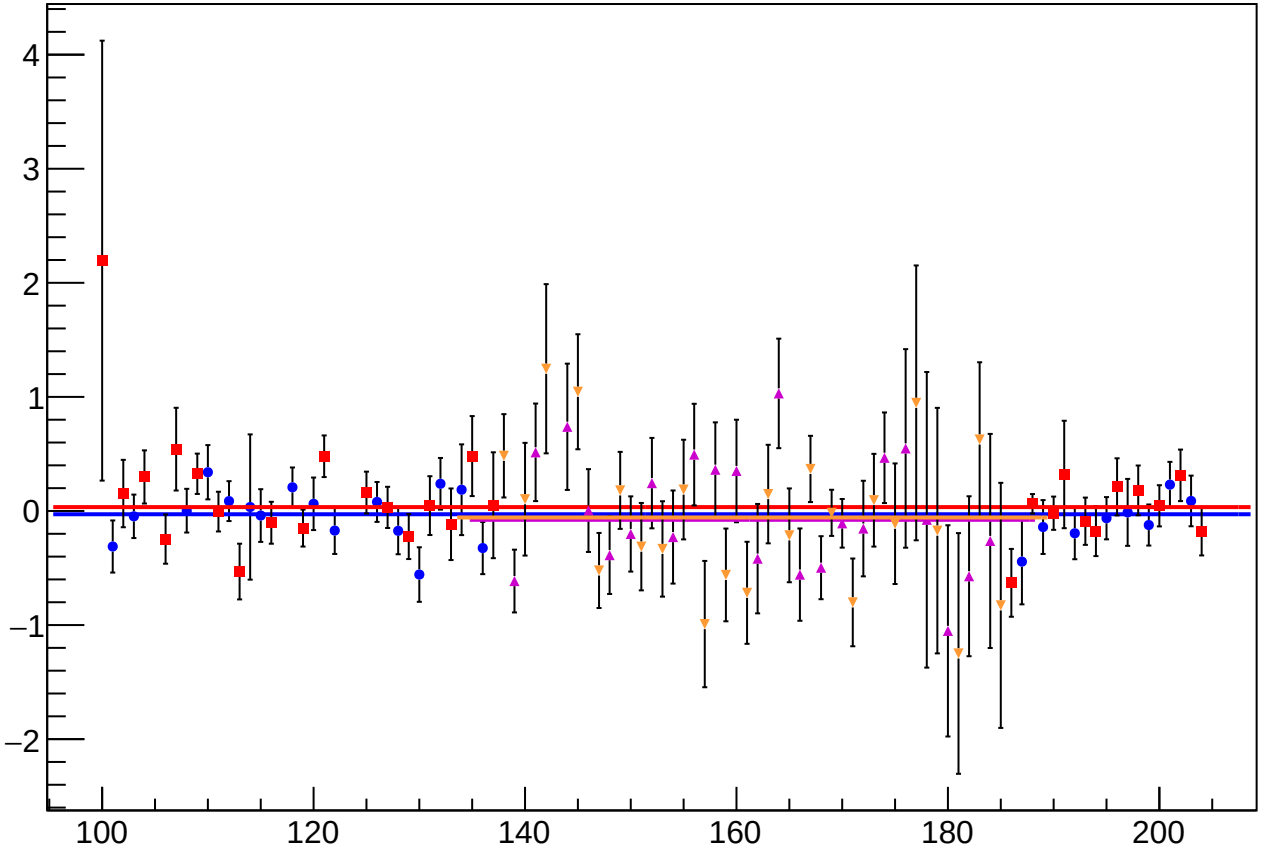
Right: 0.008+/-0.000 χ^2/NDF: 12185896.5/52

In: 0.006+/-0.000 χ^2/NDF:17814355.7/46

Out: 0.005+/-0.000 χ^2/NDF:24279635.3/52

All: 0.005+/-0.000 χ^2/NDF: 42372716.2/99

asym_usl_atl2_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.029+/-0.045 χ^2/NDF: 20.3/23

Left Out: -0.057+/-0.085 χ^2/NDF:30.4/23

Right Out: 0.034+/-0.037 χ^2/NDF: 36.7/28

Left In: -0.077+/-0.083 χ^2/NDF:27.0/22

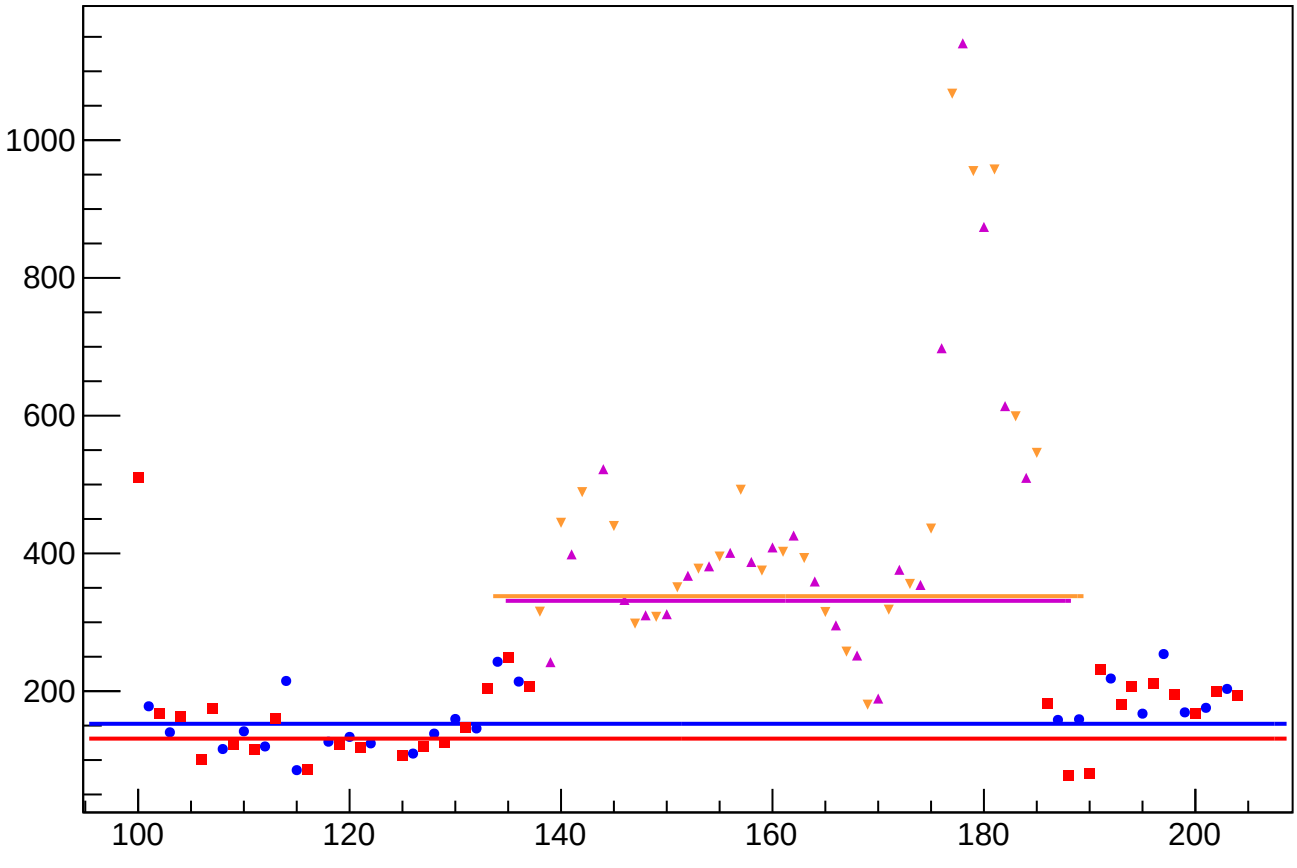
Left: -0.067+/-0.060 χ^2/NDF: 57.4/46

Right: 0.008+/-0.029 χ^2/NDF: 58.2/52

In: -0.040+/-0.039 χ^2/NDF:47.6/46

Out: 0.019+/-0.034 χ^2/NDF:68.1/52

All: -0.006+/-0.026 χ^2/NDF: 116.9/99



Right In: 152.628+/-0.032 χ^2/NDF: 1416399.4/23

Left Out: 337.939+/-0.060 χ^2/NDF:4517201.8/23

Right Out: 131.104+/-0.026 χ^2/NDF: 3198740.0/28

Left In: 331.161+/-0.059 χ^2/NDF:4106963.1/22

Left: 334.468+/-0.042 χ^2/NDF: 8630607.3/46

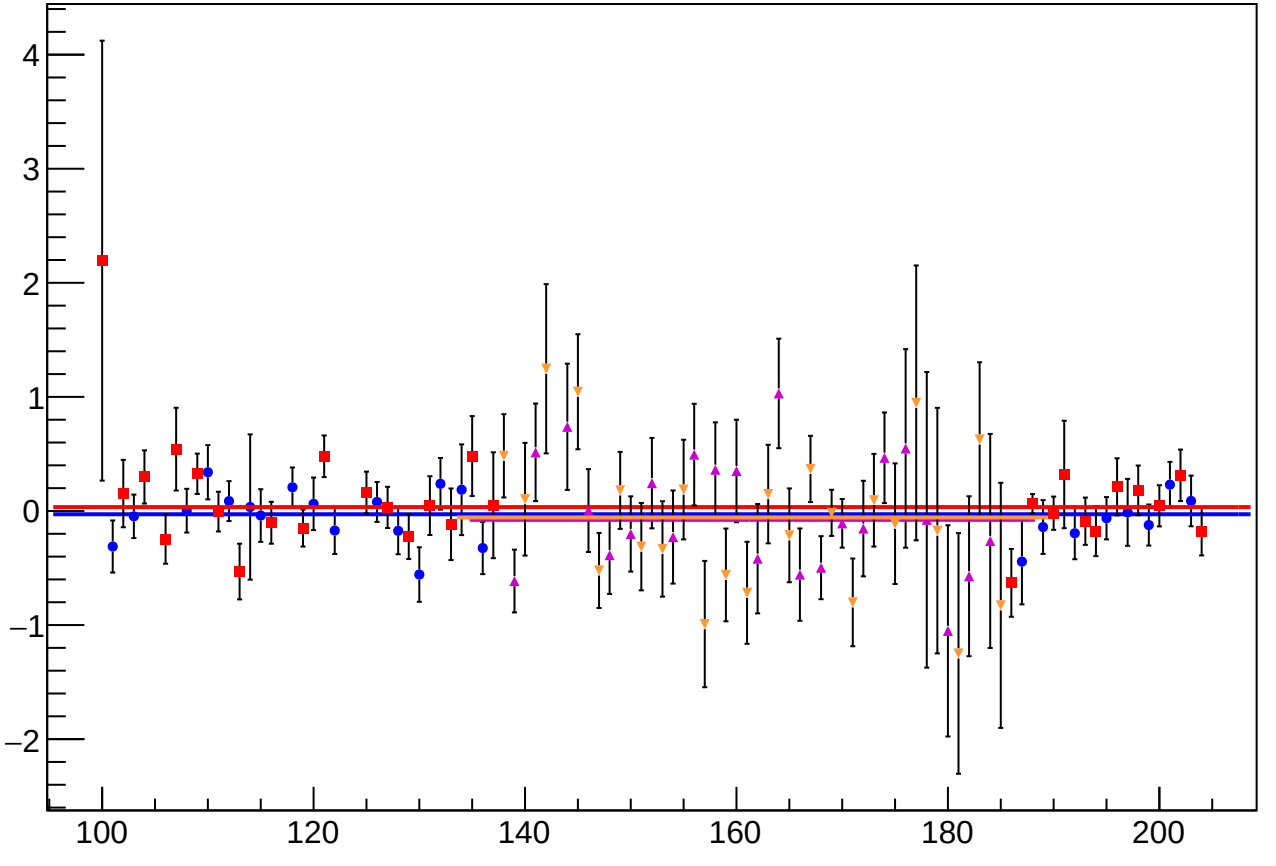
Right: 139.962+/-0.020 χ^2/NDF: 4888671.3/52

In: 192.383+/-0.028 χ^2/NDF:12645088.8/46

Out: 164.256+/-0.024 χ^2/NDF:17553297.1/52

All: 176.361+/-0.018 χ^2/NDF: 30780095.0/99

asym_usl_atl2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.029+/-0.045 χ^2/NDF: 20.3/23

Left Out: -0.057+/-0.085 χ^2/NDF:30.4/23

Right Out: 0.034+/-0.037 χ^2/NDF: 36.7/28

Left In: -0.077+/-0.083 χ^2/NDF:27.0/22

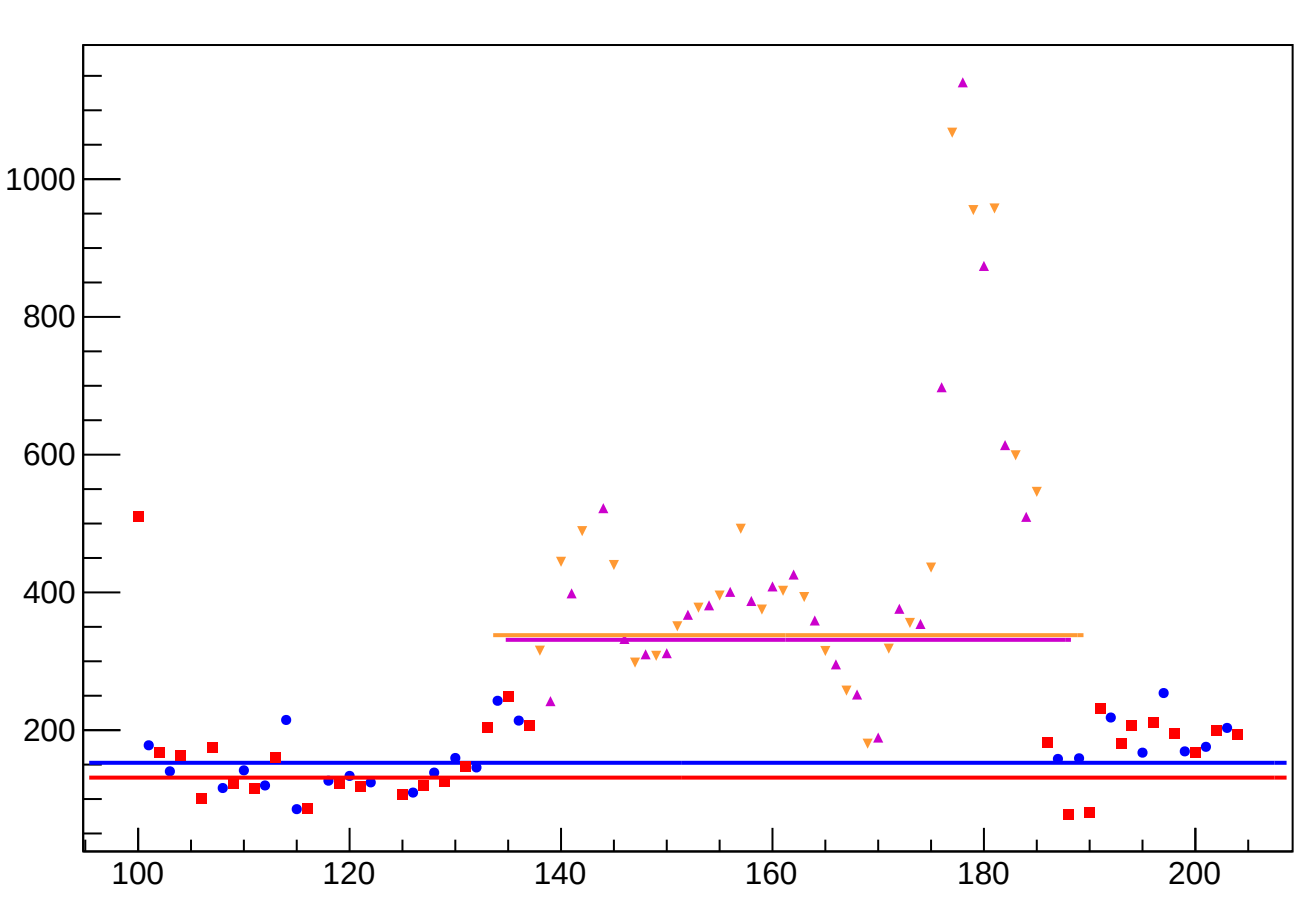
Left: -0.067+/-0.060 χ^2/NDF: 57.4/46

Right: 0.008+/-0.029 χ^2/NDF: 58.2/52

In: -0.040+/-0.039 χ^2/NDF:47.6/46

Out: 0.019+/-0.034 χ^2/NDF:68.1/52

All: -0.006+/-0.026 χ^2/NDF: 116.9/99



Right In: 152.628+/-0.032 χ^2/NDF: 1416399.4/23

Left Out: 337.939+/-0.060 χ^2/NDF:4517201.8/23

Right Out: 131.104+/-0.026 χ^2/NDF: 3198740.0/28

Left In: 331.161+/-0.059 χ^2/NDF:4106963.1/22

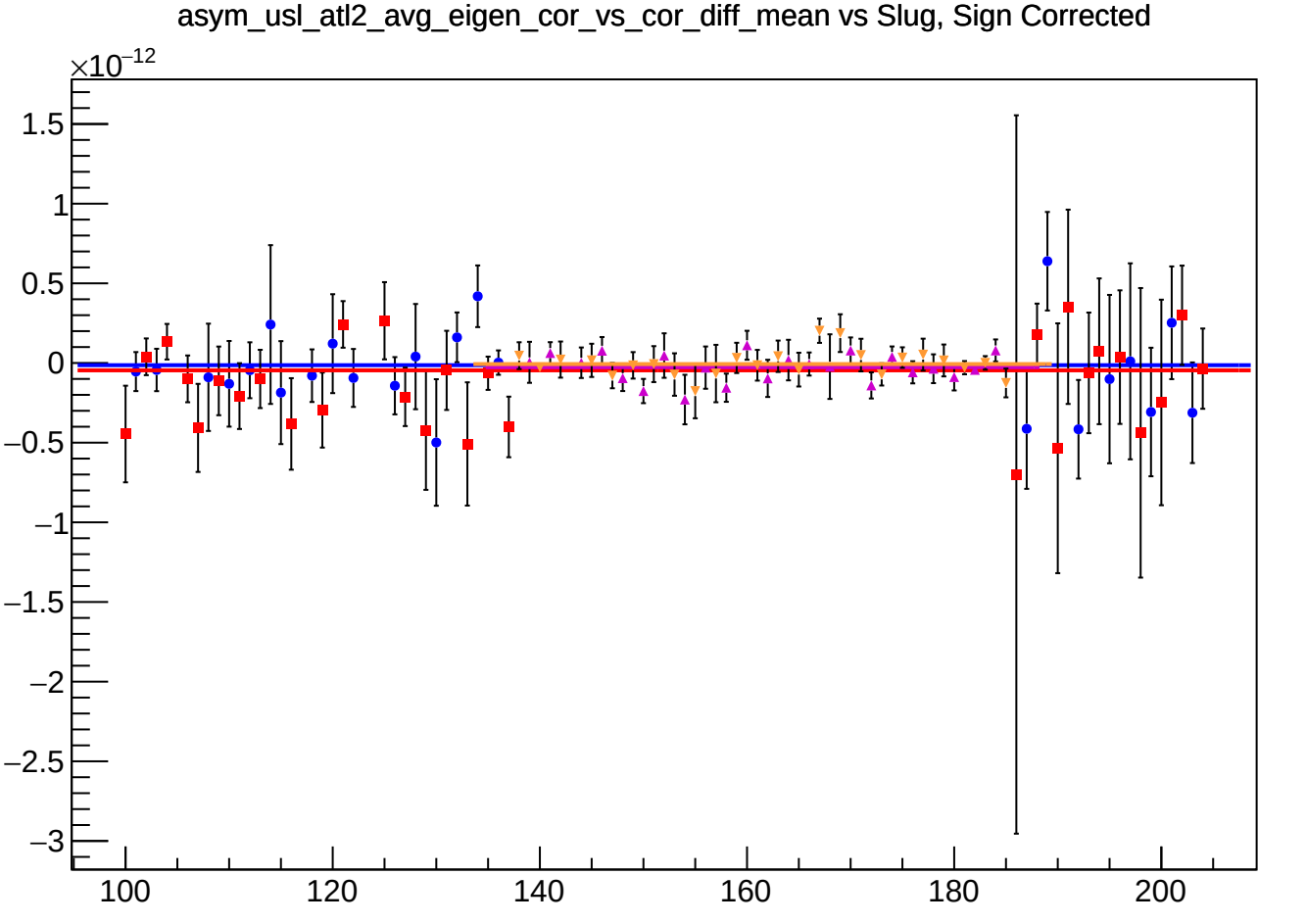
Left: 334.468+/-0.042 χ^2/NDF: 8630607.3/46

Right: 139.962+/-0.020 χ^2/NDF: 4888671.3/52

In: 192.383+/-0.028 χ^2/NDF:12645088.8/46

Out: 164.256+/-0.024 χ^2/NDF:17553297.1/52

All: 176.361+/-0.018 χ^2/NDF: 30780095.0/99



Right In: -0.000+/-0.000 χ^2/NDF: 19.1/23

Left Out: -0.000+/-0.000 χ^2/NDF:18.1/23

Right Out: -0.000+/-0.000 χ^2/NDF: 26.1/28

Left In: -0.000+/-0.000 χ^2/NDF:22.8/22

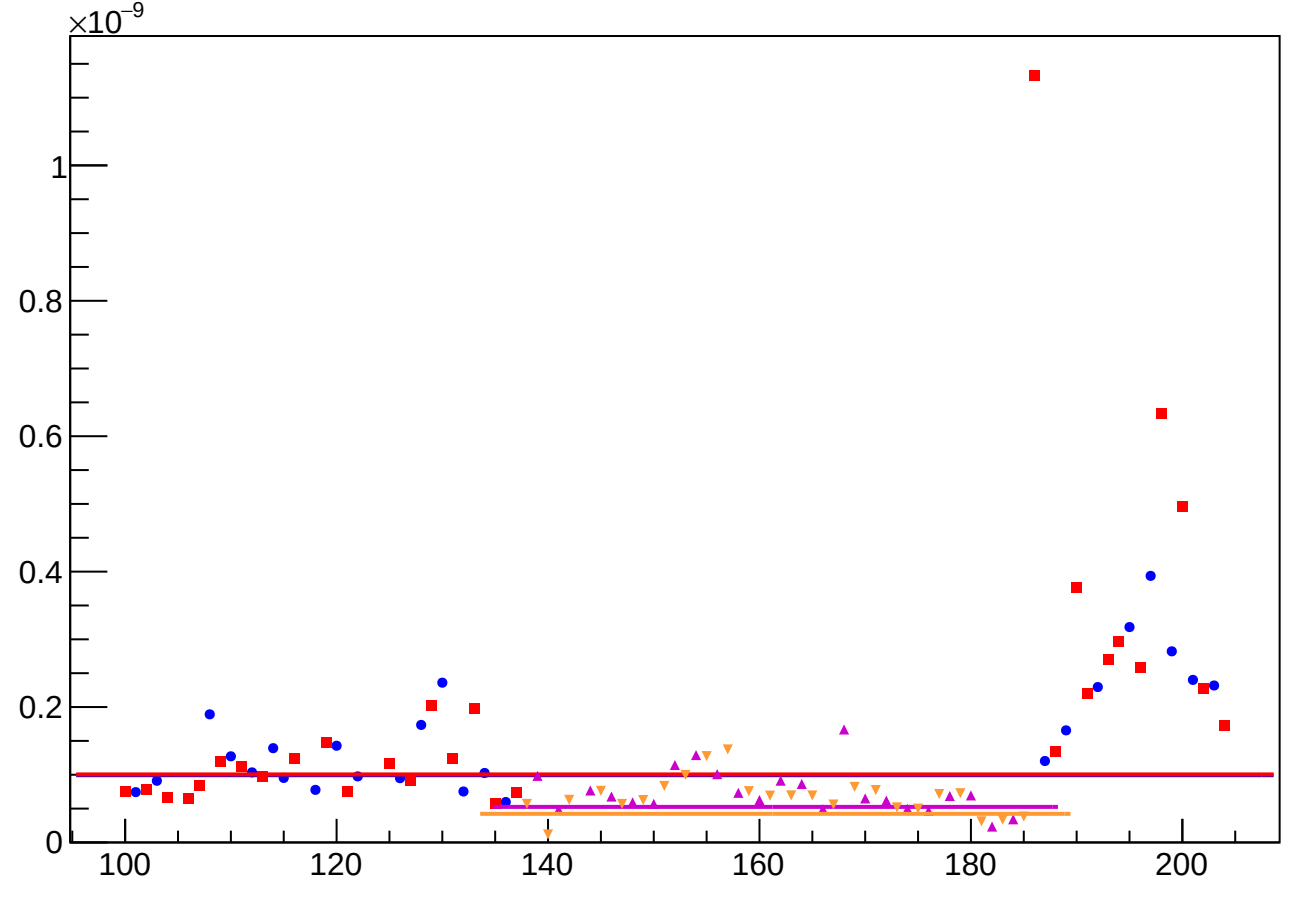
Left: -0.000+/-0.000 χ^2/NDF: 41.7/46

Right: -0.000+/-0.000 χ^2/NDF: 45.6/52

In: -0.000+/-0.000 χ^2/NDF:42.0/46

Out: -0.000+/-0.000 χ^2/NDF:45.1/52

All: -0.000+/-0.000 χ^2/NDF: 87.6/99



Right In: 0.000+/-0.000 χ^2/NDF: 3599920.9/23

Left Out: 0.000+/-0.000 χ^2/NDF:6680117.5/23

Right Out: 0.000+/-0.000 χ^2/NDF: 5042464.7/28

Left In: 0.000+/-0.000 χ^2/NDF:4897147.5/22

Left: 0.000+/-0.000 χ^2/NDF: 12028477.0/46

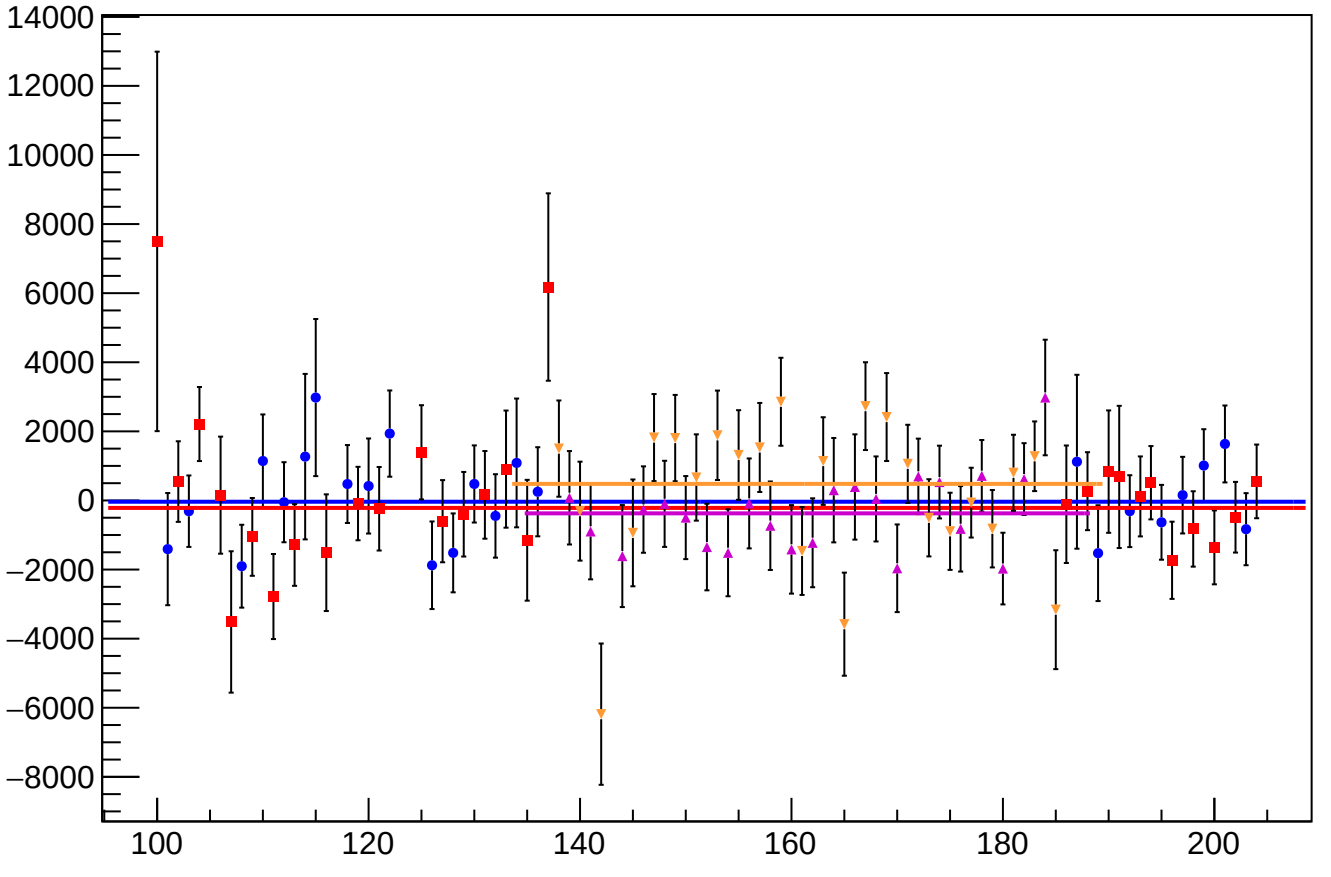
Right: 0.000+/-0.000 χ^2/NDF: 8643259.2/52

In: 0.000+/-0.000 χ^2/NDF:10811441.6/46

Out: 0.000+/-0.000 χ^2/NDF:15616116.0/52

All: 0.000+/-0.000 χ^2/NDF: 26901216.8/99

reg_asym_usl_atl2_dd_mean vs Slug, Sign Corrected



Right In: -36.895+/-255.716 χ^2/NDF: 19.0/23

Left Out: 479.555+/-256.330 χ^2/NDF:45.2/23

Right Out: -215.819+/-240.238 χ^2/NDF: 29.6/28

Left In: -372.926+/-259.314 χ^2/NDF:16.0/22

Left: 58.248+/-182.298 χ^2/NDF: 66.7/46

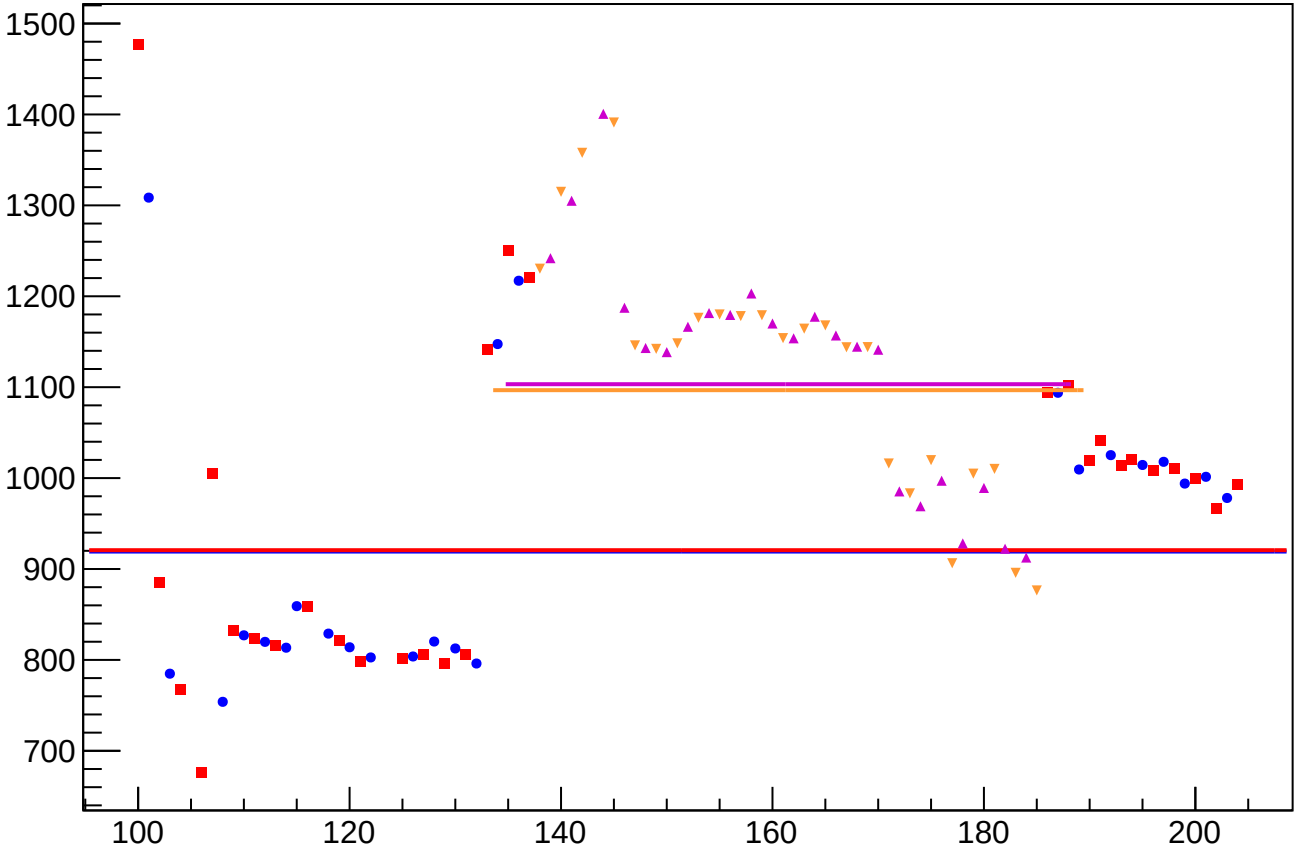
Right: -131.936+/-175.090 χ^2/NDF: 48.8/52

In: -202.563+/-182.077 χ^2/NDF:35.9/46

Out: 109.357+/-175.287 χ^2/NDF:78.7/52

All: -40.678+/-126.279 χ^2/NDF: 116.0/99

reg_asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 919.206+/-0.181 χ^2/NDF: 563048.0/23

Left Out: 1096.711+/-0.181 χ^2/NDF:480498.6/23

Right Out: 920.684+/-0.169 χ^2/NDF: 585700.2/28

Left In: 1103.281+/-0.183 χ^2/NDF:447540.4/22

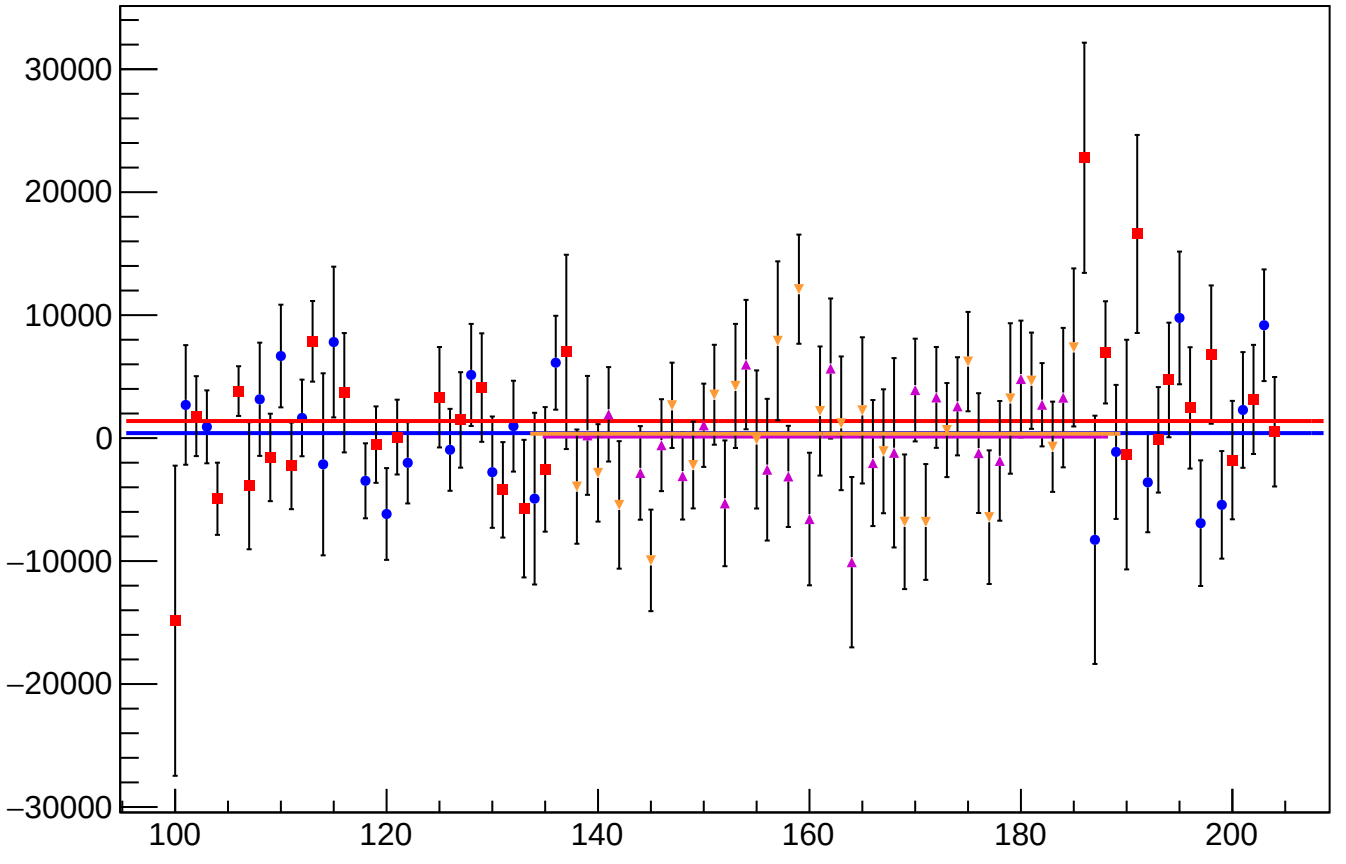
Left: 1099.958+/-0.129 χ^2/NDF: 928688.2/46

Right: 919.996+/-0.123 χ^2/NDF: 1148783.9/52

In: 1009.957+/-0.129 χ^2/NDF:1521518.5/46

Out: 1002.389+/-0.123 χ^2/NDF:1571587.0/52

All: 1006.015+/-0.089 χ^2/NDF: 3094905.4/99



Right In: 406.555+/-857.106 χ^2/NDF: 27.2/23

Left Out: 357.729+/-934.220 χ^2/NDF:30.3/23

Right Out: 1387.926+/-755.879 χ^2/NDF: 33.6/28

Left In: 126.696+/-932.645 χ^2/NDF:13.8/22

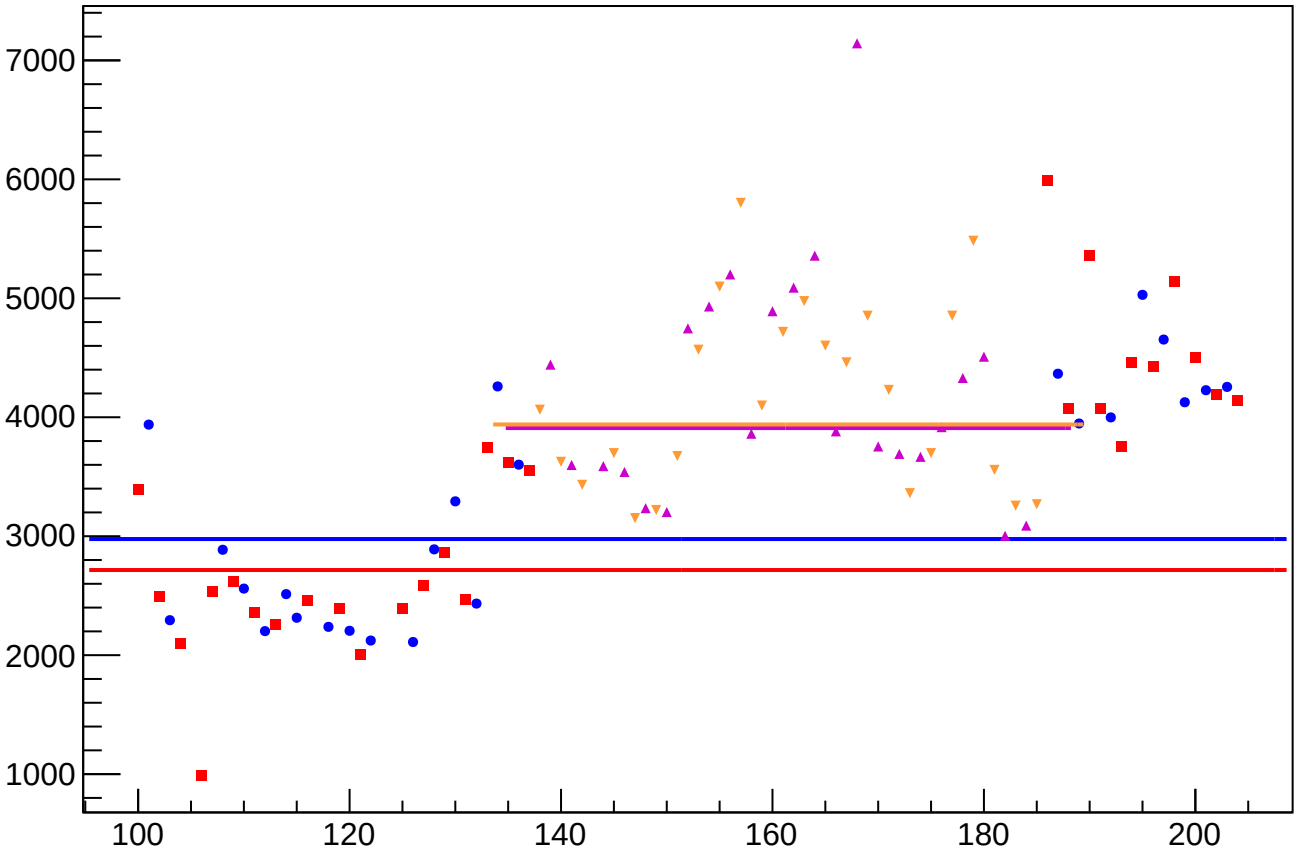
Left: 242.018+/-660.036 χ^2/NDF: 44.1/46

Right: 958.588+/-566.915 χ^2/NDF: 61.5/52

In: 278.416+/-631.084 χ^2/NDF:41.0/46

Out: 980.338+/-587.625 χ^2/NDF:64.6/52

All: 654.376+/-430.057 χ^2/NDF: 106.3/99



Right In: 2976.255+/-0.606 χ^2/NDF: 2176569.8/23

Left Out: 3939.261+/-0.661 χ^2/NDF:1092666.9/23

Right Out: 2715.803+/-0.534 χ^2/NDF: 4327956.0/28

Left In: 3909.133+/-0.659 χ^2/NDF:1300774.2/22

Left: 3924.172+/-0.467 χ^2/NDF: 2394482.8/46

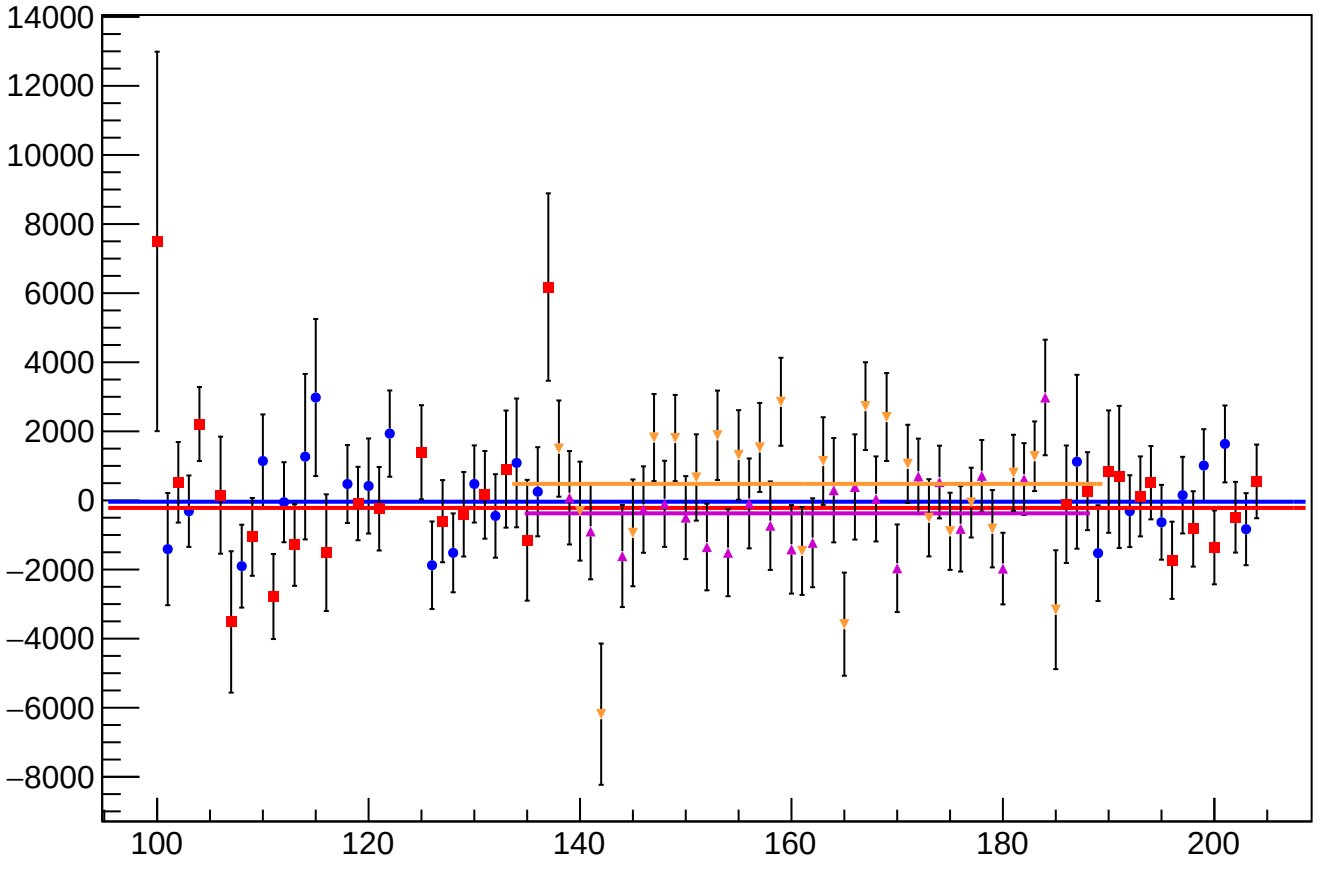
Right: 2829.748+/-0.401 χ^2/NDF: 6608409.0/52

In: 3403.390+/-0.446 χ^2/NDF:4562149.5/46

Out: 3199.853+/-0.416 χ^2/NDF:7493648.6/52

All: 3294.373+/-0.304 χ^2/NDF: 12167226.4/9

cor_asym_usl_atl2_dd_mean vs Slug, Sign Corrected



Right In: -36.913+/-255.716 χ^2/NDF: 19.0/23

Left Out: 479.583+/-256.330 χ^2/NDF:45.2/23

Right Out: -216.750+/-240.240 χ^2/NDF: 29.5/28

Left In: -372.901+/-259.314 χ^2/NDF:16.0/22

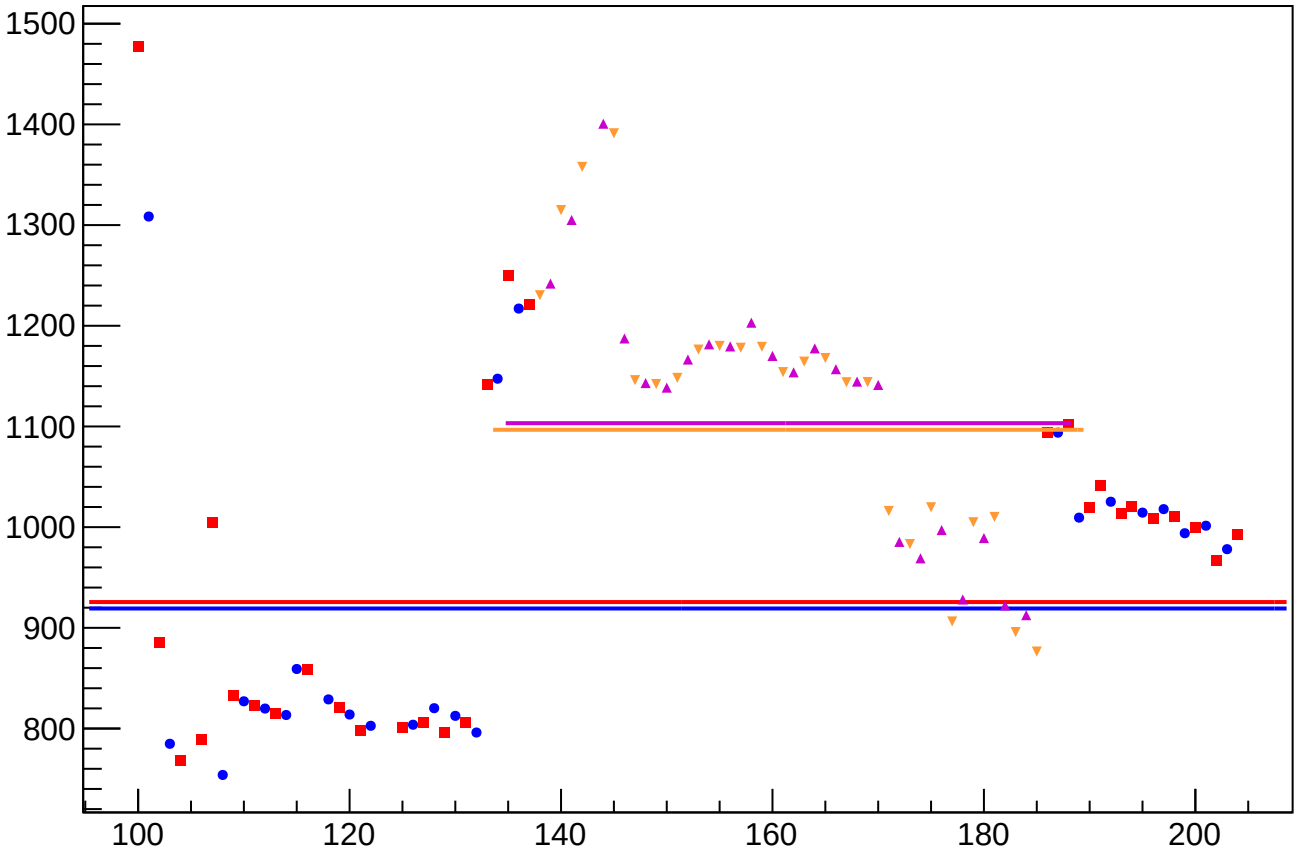
Left: 58.275+/-182.298 χ^2/NDF: 66.7/46

Right: -132.438+/-175.091 χ^2/NDF: 48.8/52

In: -202.560+/-182.077 χ^2/NDF:35.9/46

Out: 108.878+/-175.288 χ^2/NDF:78.6/52

All: -40.926+/-126.279 χ^2/NDF: 116.0/99



Right In: 919.206+/-0.181 χ^2/NDF: 563047.9/23

Left Out: 1096.711+/-0.181 χ^2/NDF:480498.6/23

Right Out: 925.617+/-0.169 χ^2/NDF: 529384.8/28

Left In: 1103.281+/-0.183 χ^2/NDF:447540.3/22

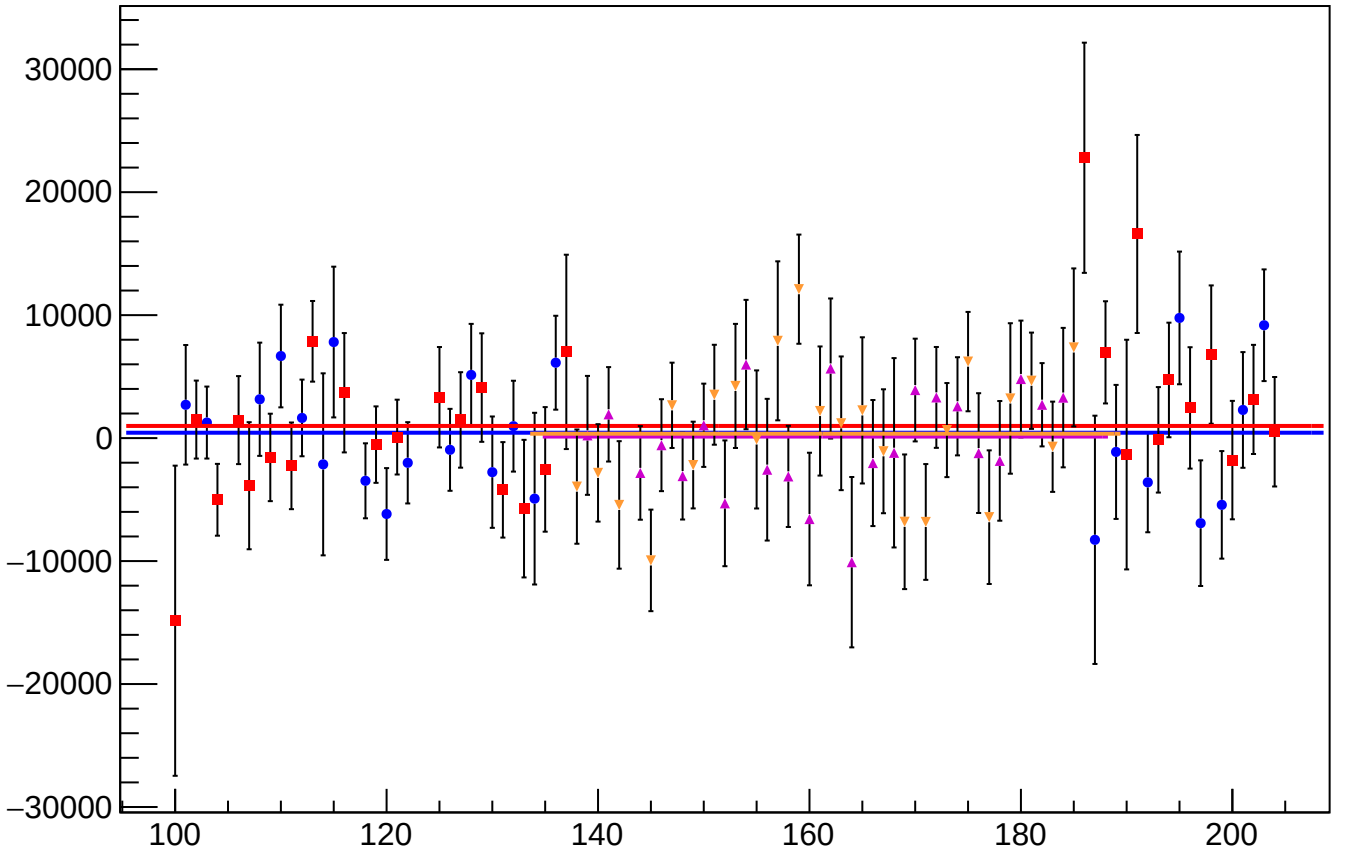
Left: 1099.958+/-0.129 χ^2/NDF: 928688.1/46

Right: 922.620+/-0.124 χ^2/NDF: 1093102.1/52

In: 1009.957+/-0.129 χ^2/NDF:1521518.6/46

Out: 1005.380+/-0.124 χ^2/NDF:1485535.1/52

All: 1007.578+/-0.089 χ^2/NDF: 3007710.7/99



Right In: 437.760+/-856.150 χ^2/NDF: 27.3/23

Left Out: 357.728+/-934.221 χ^2/NDF:30.3/23

Right Out: 989.378+/-793.126 χ^2/NDF: 32.1/28

Left In: 126.635+/-932.644 χ^2/NDF:13.8/22

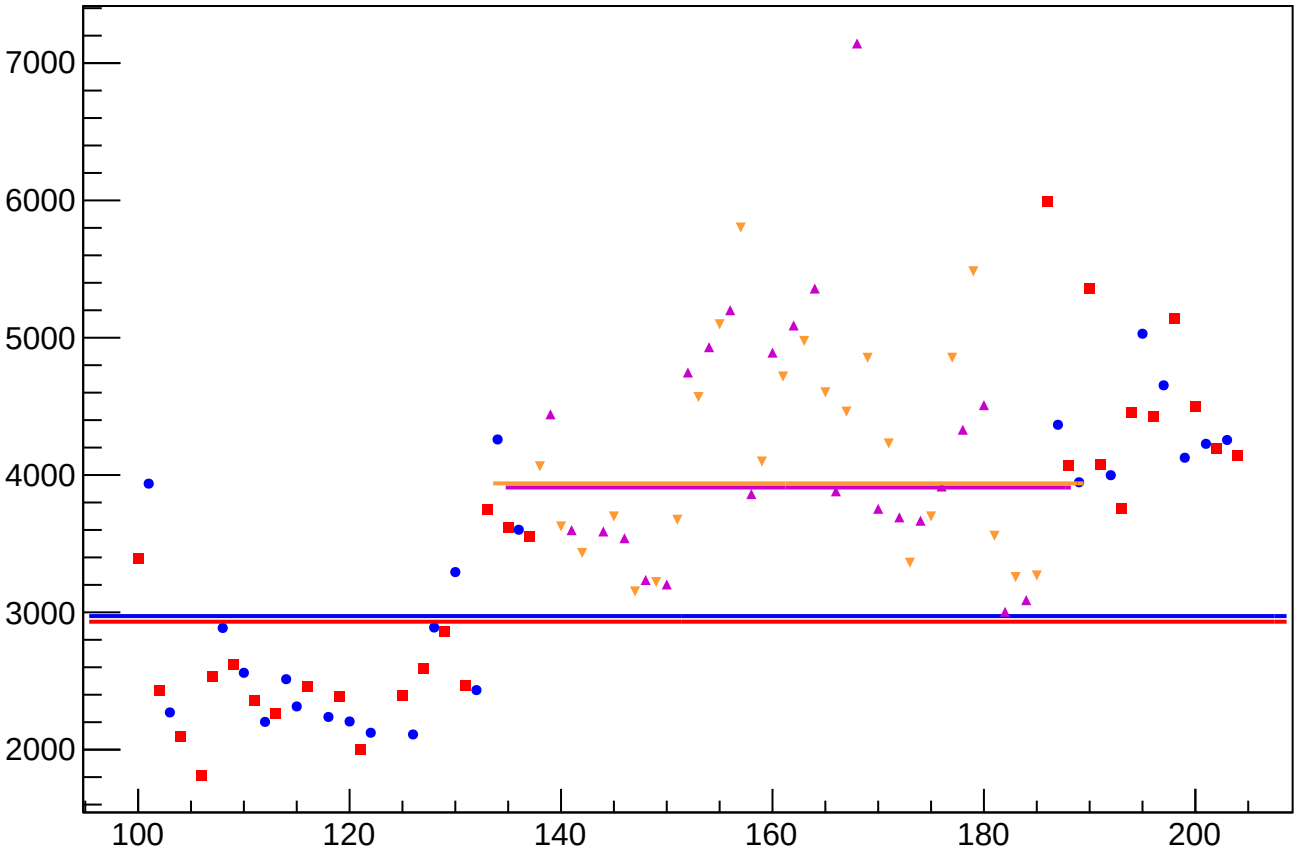
Left: 241.986+/-660.036 χ^2/NDF: 44.1/46

Right: 734.618+/-581.831 χ^2/NDF: 59.5/52

In: 295.478+/-630.701 χ^2/NDF:41.1/46

Out: 724.806+/-604.621 χ^2/NDF:62.6/52

All: 519.202+/-436.460 χ^2/NDF: 103.9/99



Right In: 2972.751+/-0.605 χ^2/NDF: 2186713.8/23

Left Out: 3939.266+/-0.661 χ^2/NDF:1092657.5/23

Right Out: 2931.845+/-0.561 χ^2/NDF: 2855302.2/28

Left In: 3909.128+/-0.659 χ^2/NDF:1300782.7/22

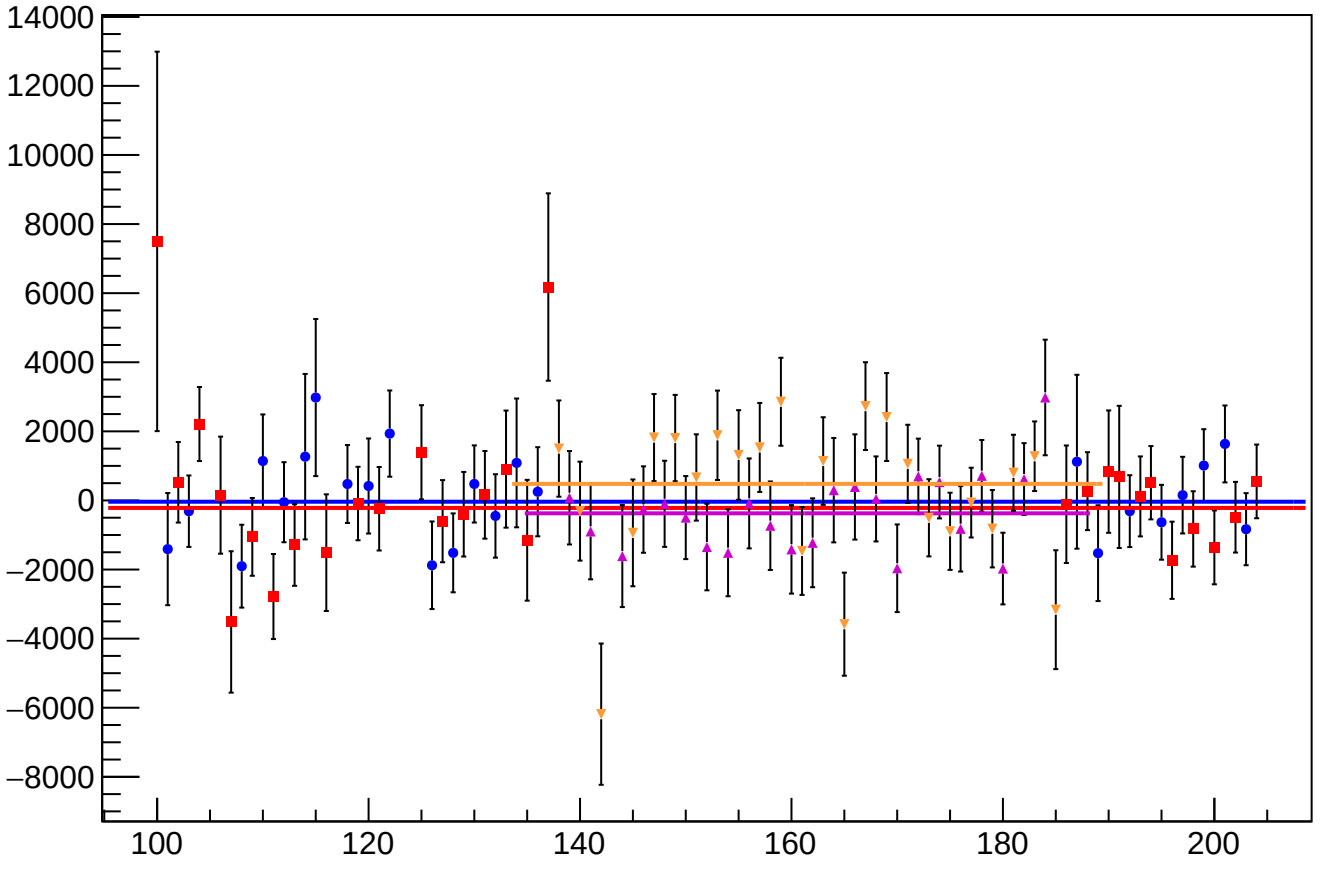
Left: 3924.171+/-0.467 χ^2/NDF: 2394482.7/46

Right: 2950.737+/-0.411 χ^2/NDF: 5044473.1/52

In: 3400.970+/-0.446 χ^2/NDF:4581570.9/46

Out: 3353.811+/-0.428 χ^2/NDF:5299517.5/52

All: 3376.396+/-0.309 χ^2/NDF: 9886915.1/99



Right In: -36.913+/-255.716 χ^2/NDF: 19.0/23

Left Out: 479.583+/-256.330 χ^2/NDF:45.2/23

Right Out: -216.750+/-240.240 χ^2/NDF: 29.5/28

Left In: -372.901+/-259.314 χ^2/NDF:16.0/22

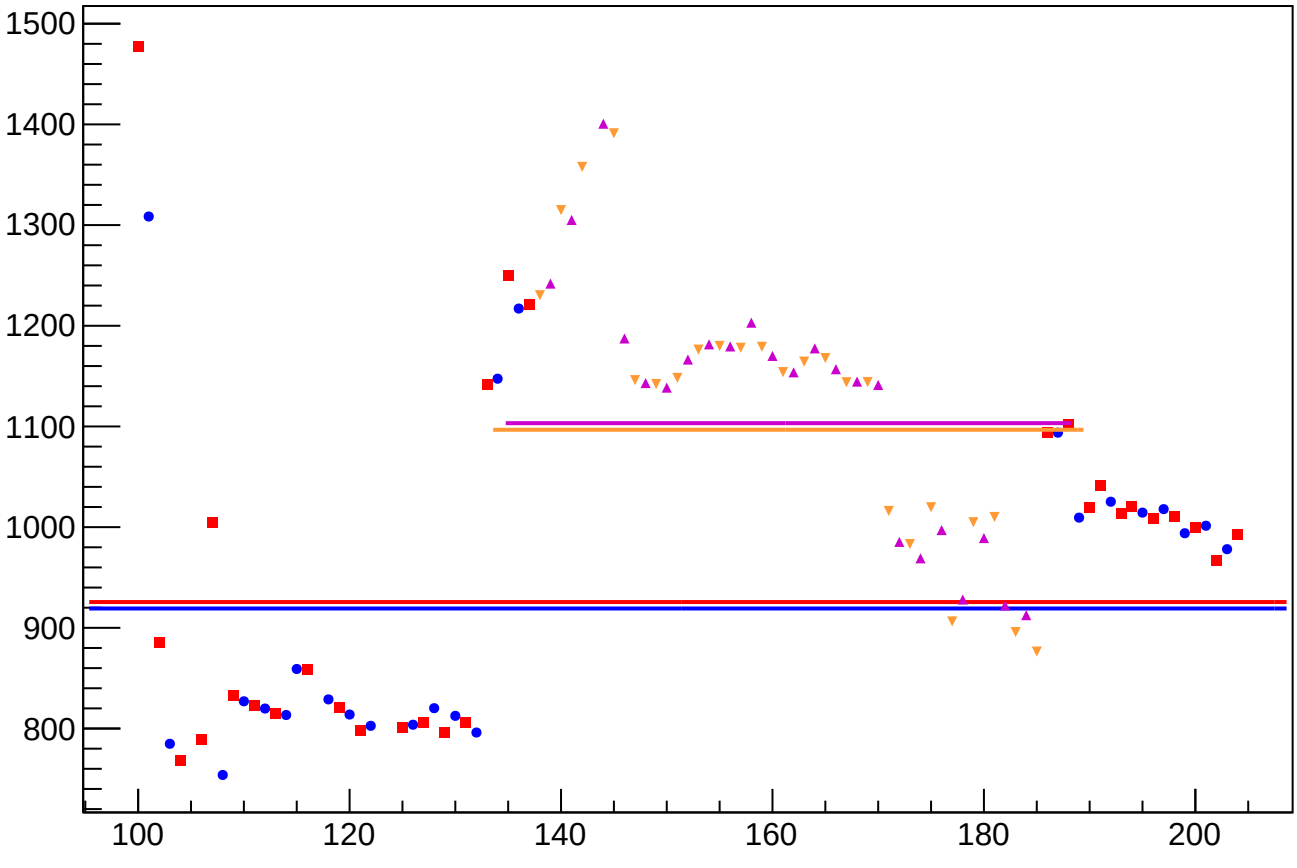
Left: 58.275+/-182.298 χ^2/NDF: 66.7/46

Right: -132.438+/-175.091 χ^2/NDF: 48.8/52

In: -202.560+/-182.077 χ^2/NDF:35.9/46

Out: 108.878+/-175.288 χ^2/NDF:78.6/52

All: -40.926+/-126.279 χ^2/NDF: 116.0/99



Right In: 919.206+/-0.181 χ^2/NDF: 563047.9/23

Left Out: 1096.711+/-0.181 χ^2/NDF:480498.6/23

Right Out: 925.617+/-0.169 χ^2/NDF: 529384.8/28

Left In: 1103.281+/-0.183 χ^2/NDF:447540.3/22

Left: 1099.958+/-0.129 χ^2/NDF: 928688.1/46

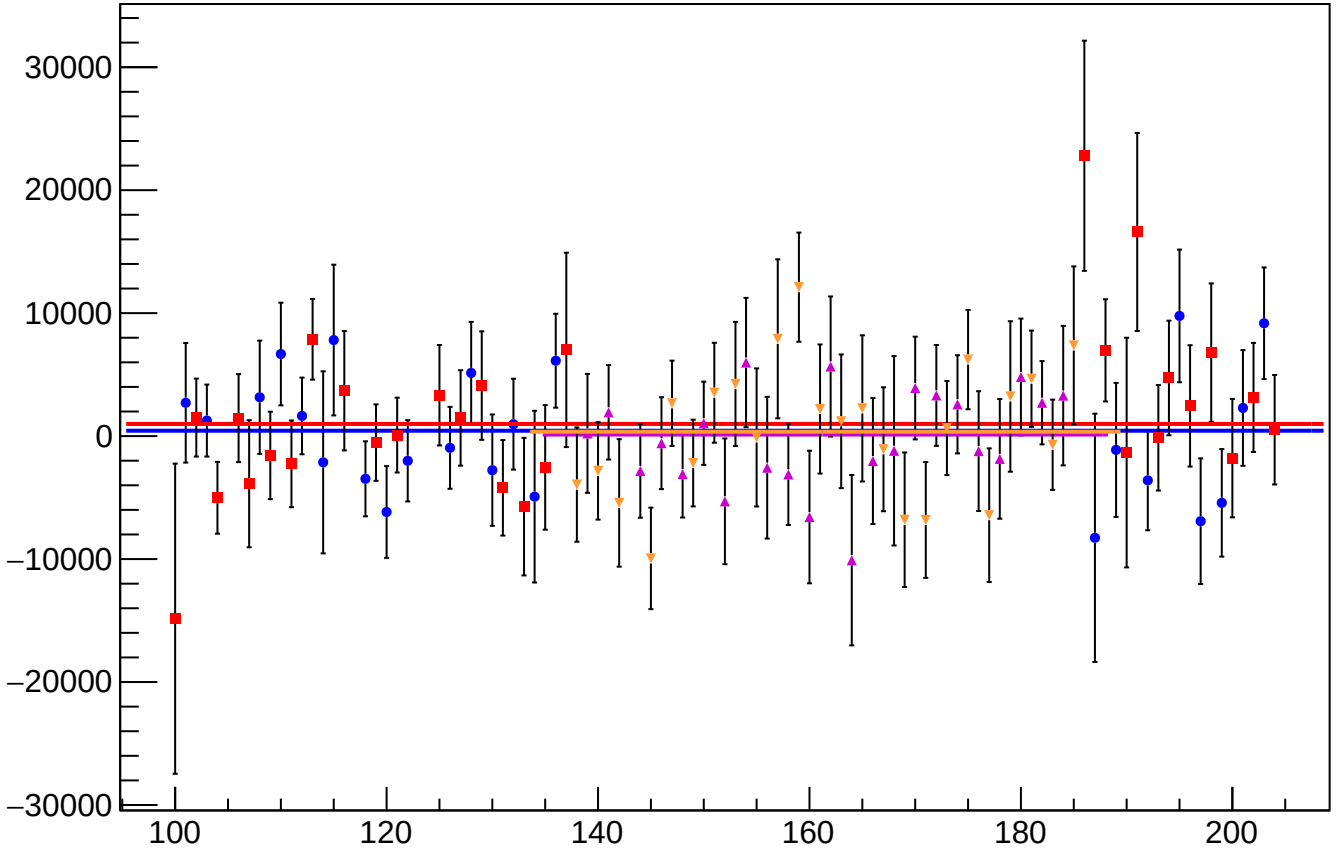
Right: 922.620+/-0.124 χ^2/NDF: 1093102.1/52

In: 1009.957+/-0.129 χ^2/NDF:1521518.6/46

Out: 1005.380+/-0.124 χ^2/NDF:1485535.1/52

All: 1007.578+/-0.089 χ^2/NDF: 3007710.7/99

asym_usl_atl2_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 437.760+/-856.150 χ^2/NDF: 27.3/23

Left Out: 357.728+/-934.221 χ^2/NDF:30.3/23

Right Out: 989.378+/-793.126 χ^2/NDF: 32.1/28

Left In: 126.635+/-932.644 χ^2/NDF:13.8/22

Left: 241.986+/-660.036 χ^2/NDF: 44.1/46

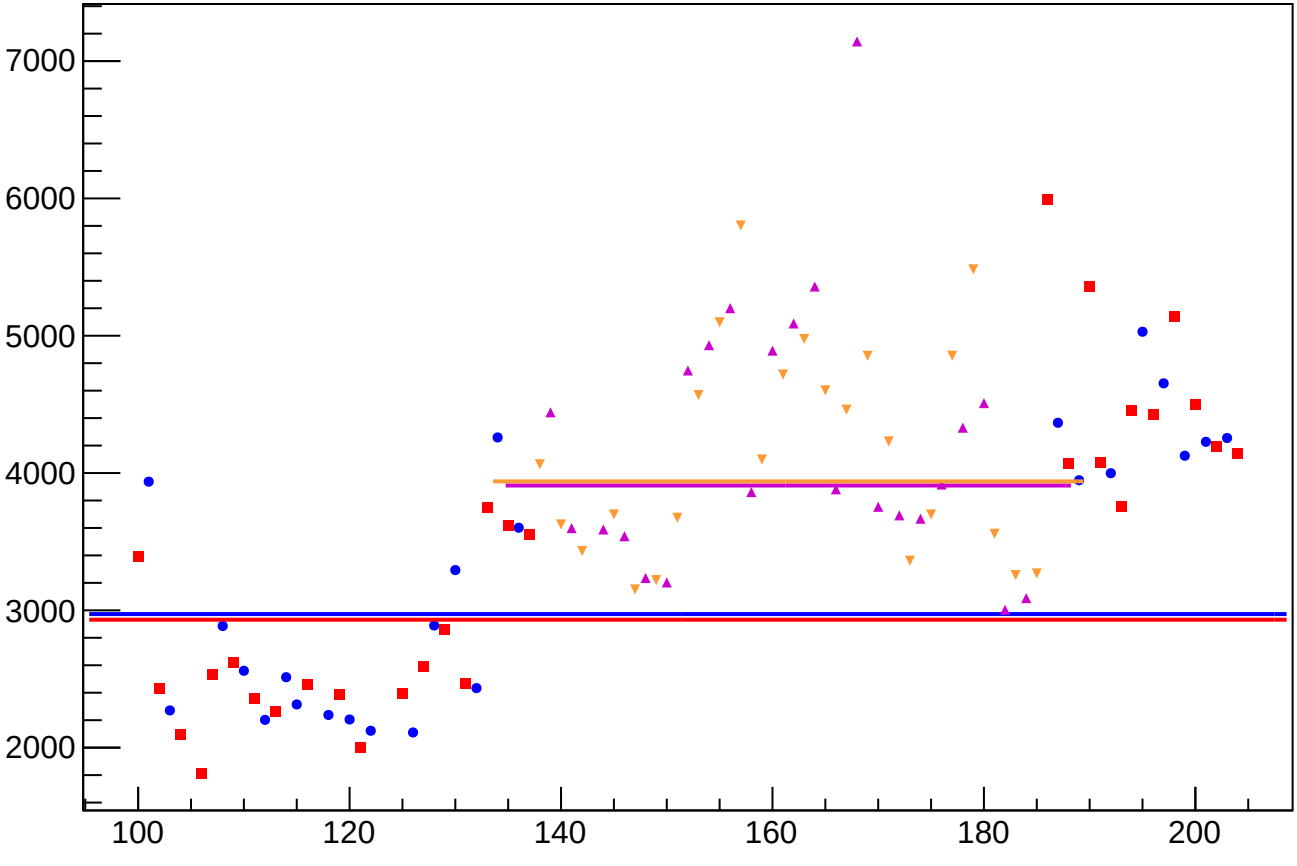
Right: 734.618+/-581.831 χ^2/NDF: 59.5/52

In: 295.478+/-630.701 χ^2/NDF:41.1/46

Out: 724.806+/-604.621 χ^2/NDF:62.6/52

All: 519.202+/-436.460 χ^2/NDF: 103.9/99

asym_usl_atl2_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 2972.751+/-0.605 χ^2/NDF: 2186713.8/23

Left Out: 3939.266+/-0.661 χ^2/NDF:1092657.5/23

Right Out: 2931.845+/-0.561 χ^2/NDF: 2855302.2/28

Left In: 3909.128+/-0.659 χ^2/NDF:1300782.7/22

Left: 3924.171+/-0.467 χ^2/NDF: 2394482.7/46

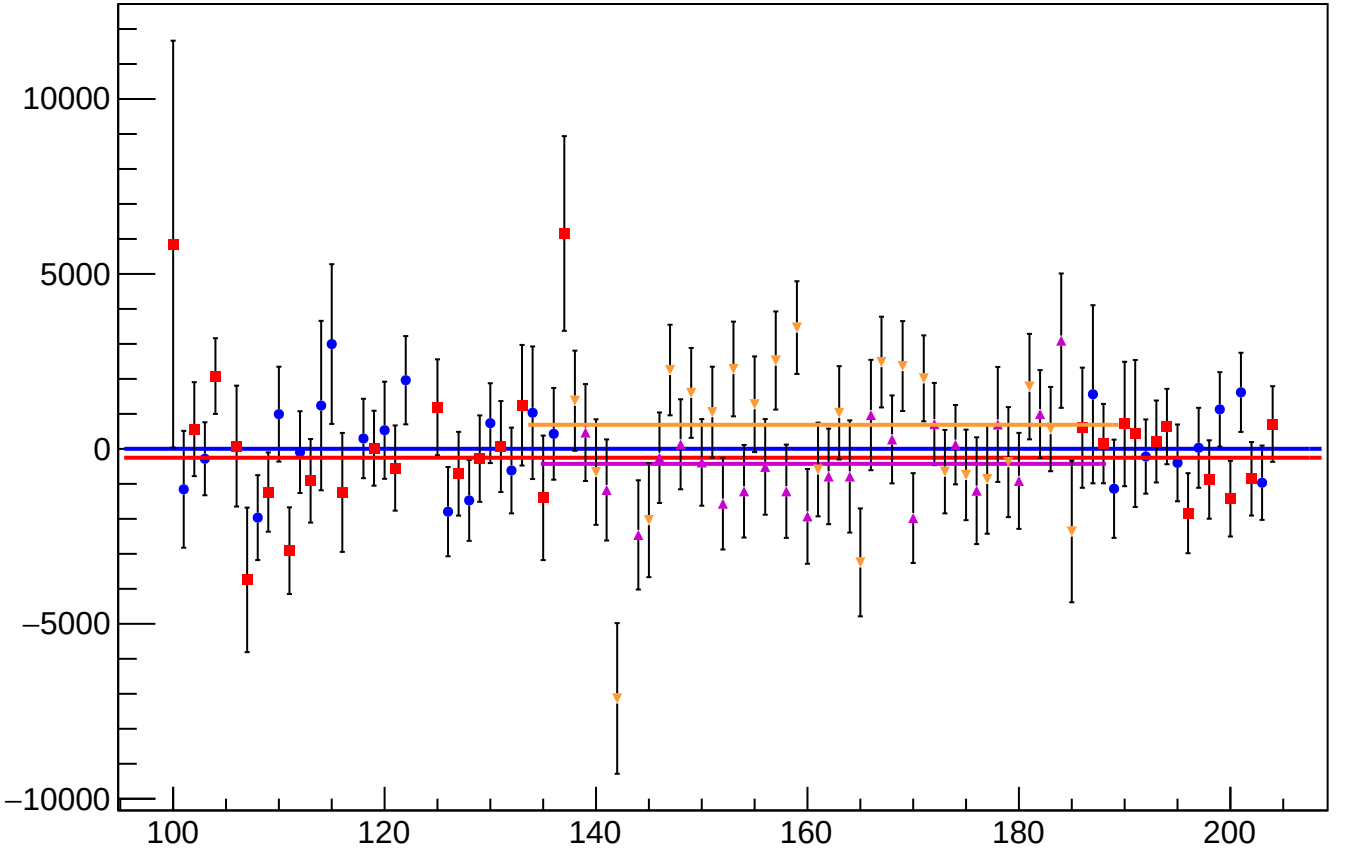
Right: 2950.737+/-0.411 χ^2/NDF: 5044473.1/52

In: 3400.970+/-0.446 χ^2/NDF:4581570.9/46

Out: 3353.811+/-0.428 χ^2/NDF:5299517.5/52

All: 3376.396+/-0.309 χ^2/NDF: 9886915.1/99

dit_asym_usl_atl2_dd_mean vs Slug, Sign Corrected



Right In: 2.443+/-259.274 χ^2/NDF: 18.2/23

Left Out: 689.087+/-284.388 χ^2/NDF:45.7/23

Right Out: -253.281+/-244.548 χ^2/NDF: 29.1/28

Left In: -428.052+/-284.383 χ^2/NDF:14.6/22

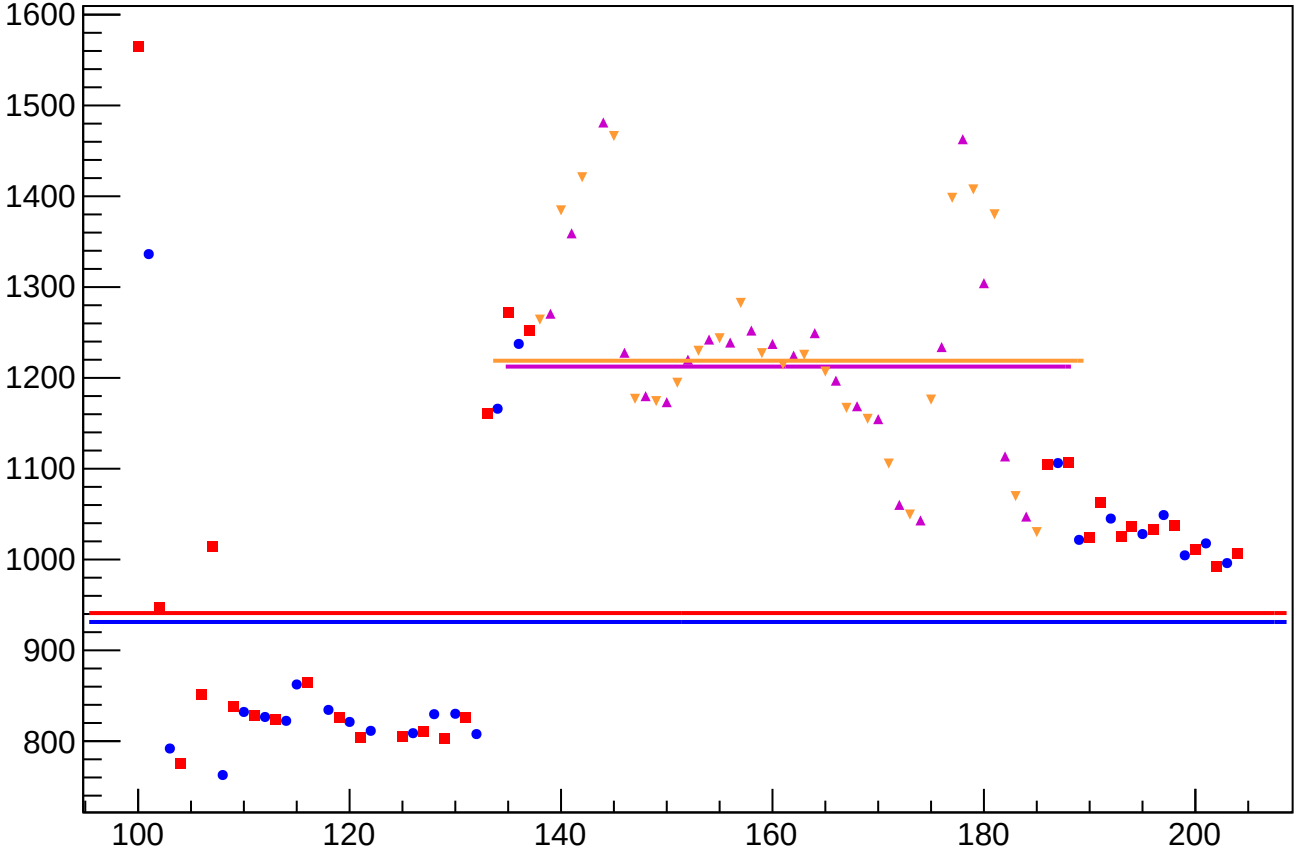
Left: 130.507+/-201.091 χ^2/NDF: 68.1/46

Right: -132.887+/-177.900 χ^2/NDF: 47.8/52

In: -192.965+/-191.598 χ^2/NDF:34.1/46

Out: 147.323+/-185.421 χ^2/NDF:81.1/52

All: -17.247+/-133.243 χ^2/NDF: 116.8/99



Right In: 931.224+/-0.183 χ^2/NDF: 585672.7/23

Left Out: 1218.928+/-0.201 χ^2/NDF:293874.9/23

Right Out: 941.050+/-0.173 χ^2/NDF: 539485.4/28

Left In: 1212.447+/-0.201 χ^2/NDF:260320.0/22

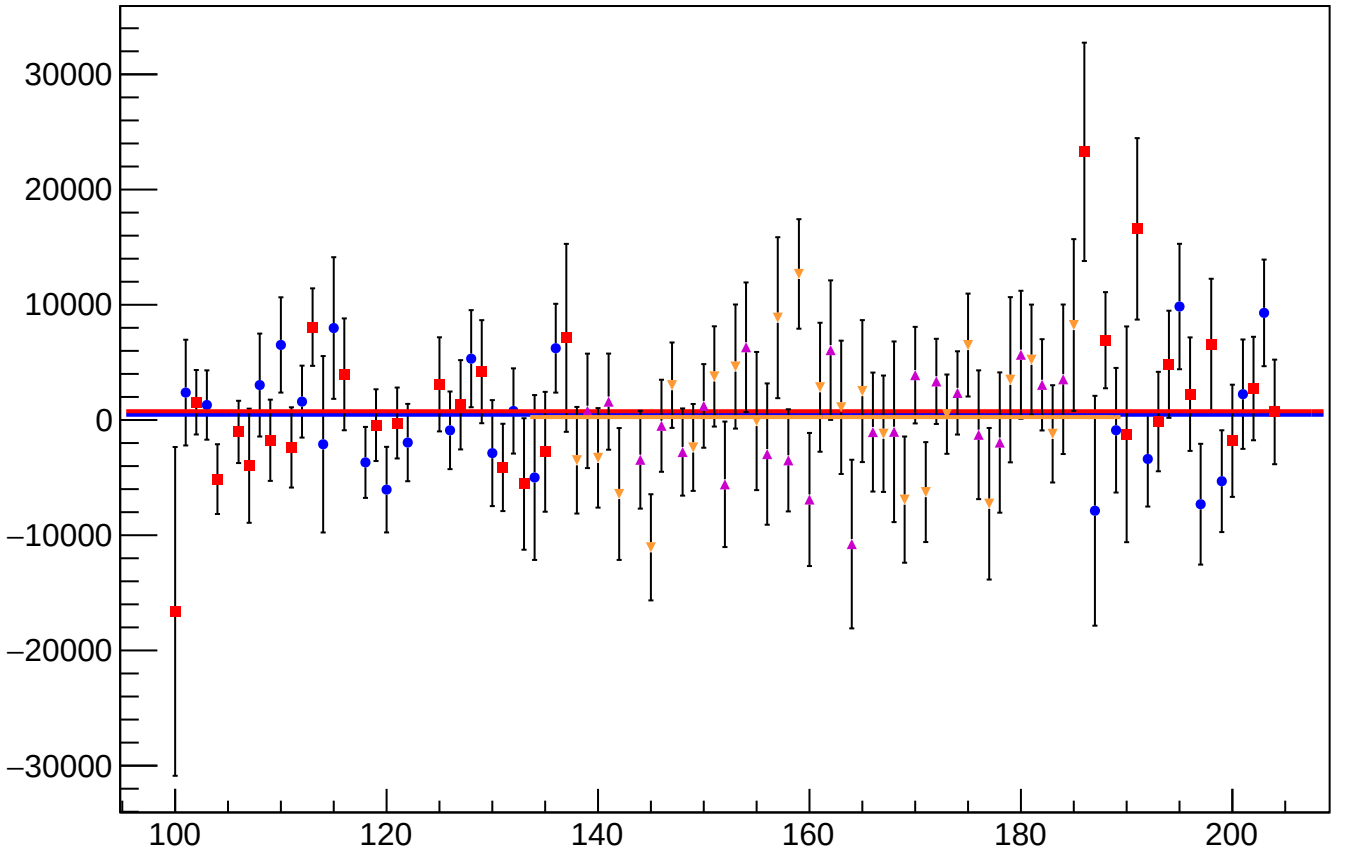
Left: 1215.687+/-0.142 χ^2/NDF: 554714.2/46

Right: 936.426+/-0.126 χ^2/NDF: 1126679.0/52

In: 1058.875+/-0.135 χ^2/NDF:1914030.6/46

Out: 1059.102+/-0.131 χ^2/NDF:1931630.4/52

All: 1058.992+/-0.094 χ^2/NDF: 3845662.4/99



Right In: 455.775+/-861.871 χ^2/NDF: 27.0/23

Left Out: 252.803+/-995.149 χ^2/NDF:29.7/23

Right Out: 762.301+/-776.380 χ^2/NDF: 32.6/28

Left In: 266.235+/-990.083 χ^2/NDF:13.4/22

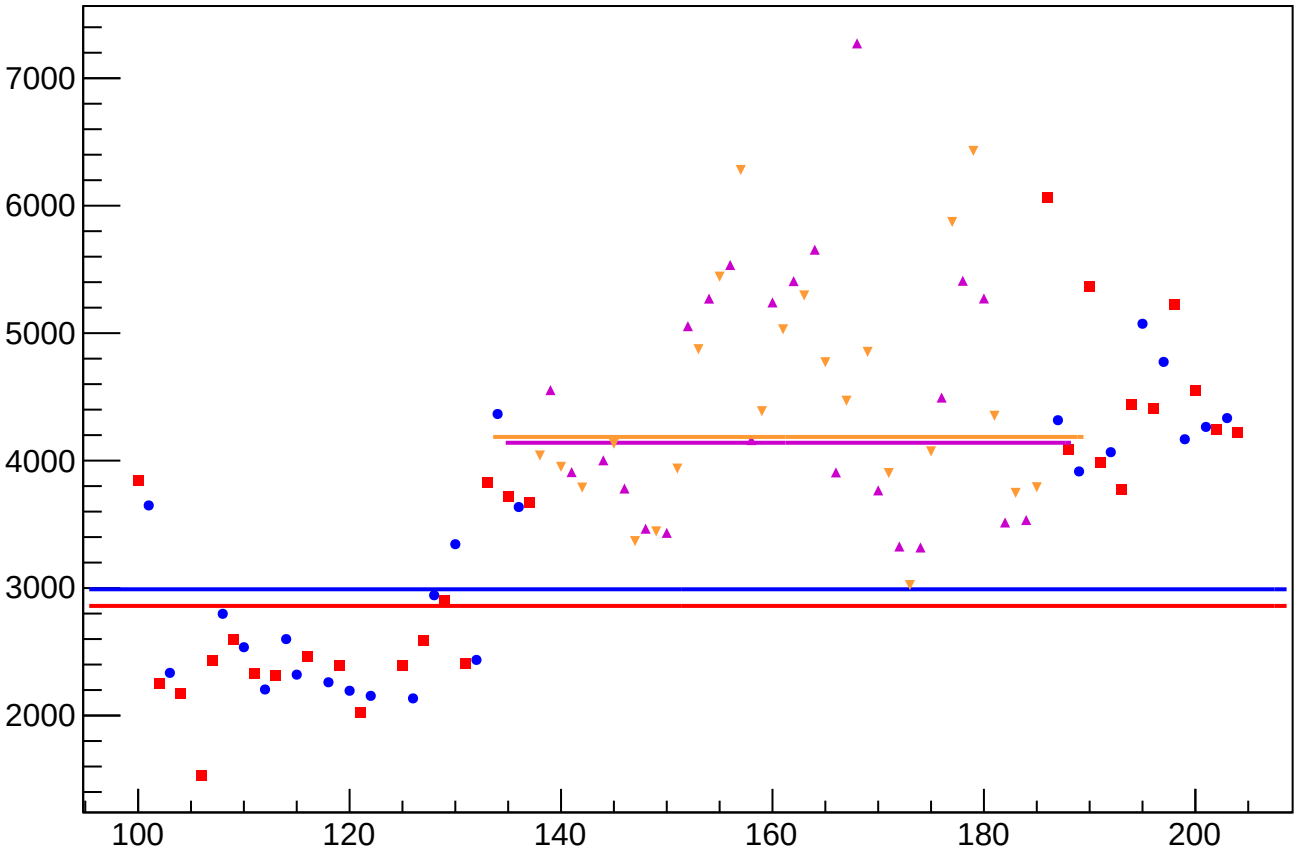
Left: 259.553+/-701.879 χ^2/NDF: 43.1/46

Right: 624.990+/-576.847 χ^2/NDF: 59.7/52

In: 374.064+/-650.070 χ^2/NDF:40.5/46

Out: 569.526+/-612.129 χ^2/NDF:62.5/52

All: 477.665+/-445.650 χ^2/NDF: 103.0/99



Right In: 2990.470+/-0.609 χ^2/NDF: 2172420.3/23

Left Out: 4185.656+/-0.704 χ^2/NDF:1271248.5/23

Right Out: 2859.977+/-0.549 χ^2/NDF: 3278234.3/28

Left In: 4140.051+/-0.700 χ^2/NDF:1449924.0/22

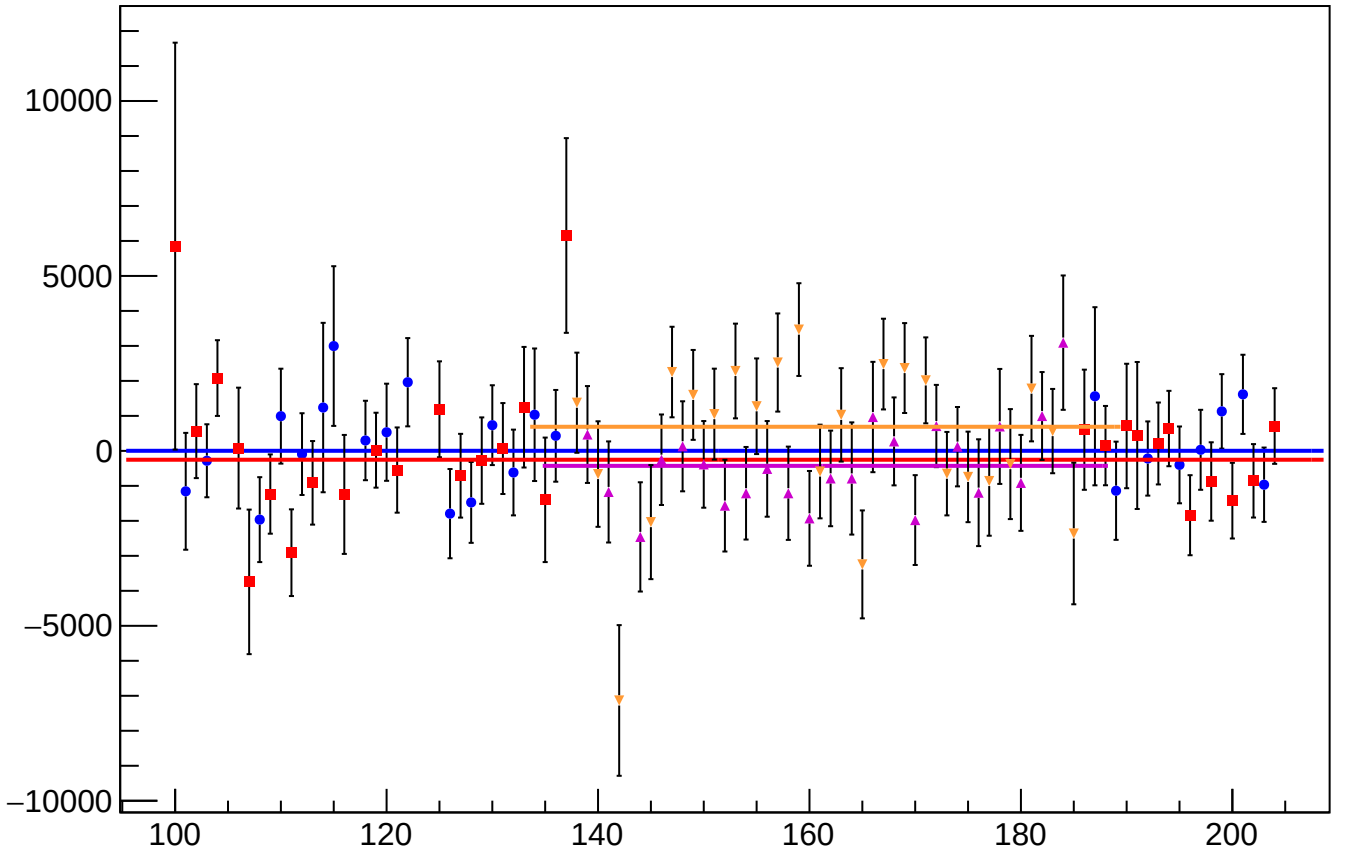
Left: 4162.737+/-0.496 χ^2/NDF: 2723283.3/46

Right: 2918.432+/-0.408 χ^2/NDF: 5475964.6/52

In: 3486.054+/-0.460 χ^2/NDF:5156263.7/46

Out: 3361.565+/-0.433 χ^2/NDF:6755792.6/52

All: 3420.071+/-0.315 χ^2/NDF: 11950931.5/9



Right In: 2.445+/-259.275 χ^2/NDF: 18.2/23

Left Out: 689.089+/-284.388 χ^2/NDF:45.7/23

Right Out: -253.284+/-244.548 χ^2/NDF: 29.1/28

Left In: -428.050+/-284.383 χ^2/NDF:14.6/22

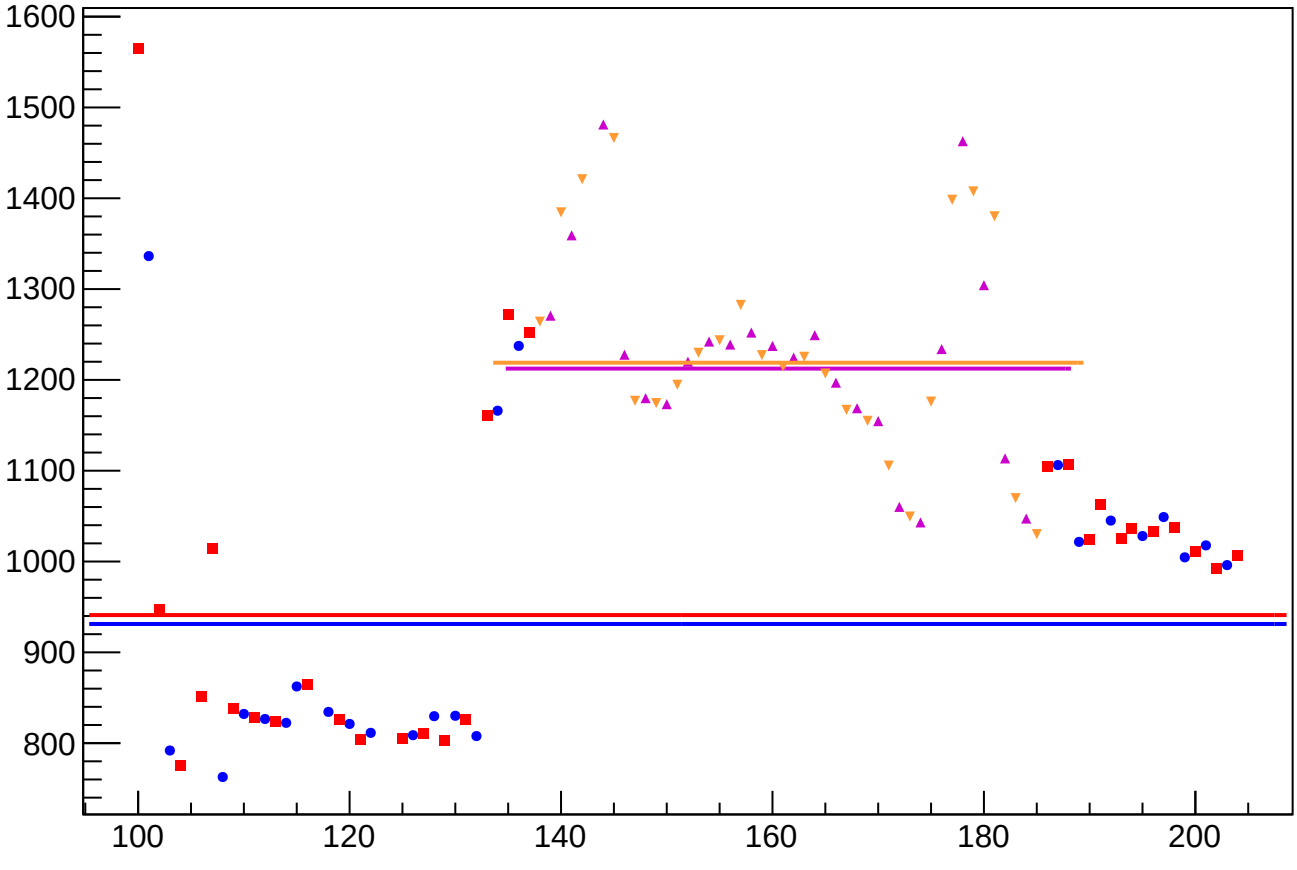
Left: 130.510+/-201.091 χ^2/NDF: 68.1/46

Right: -132.888+/-177.900 χ^2/NDF: 47.8/52

In: -192.963+/-191.598 χ^2/NDF:34.1/46

Out: 147.322+/-185.421 χ^2/NDF:81.1/52

All: -17.247+/-133.243 χ^2/NDF: 116.8/99



Right In: 931.224+/-0.183 χ^2/NDF: 585672.9/23

Left Out: 1218.929+/-0.201 χ^2/NDF:293885.7/23

Right Out: 941.050+/-0.173 χ^2/NDF: 539485.9/28

Left In: 1212.448+/-0.201 χ^2/NDF:260330.4/22

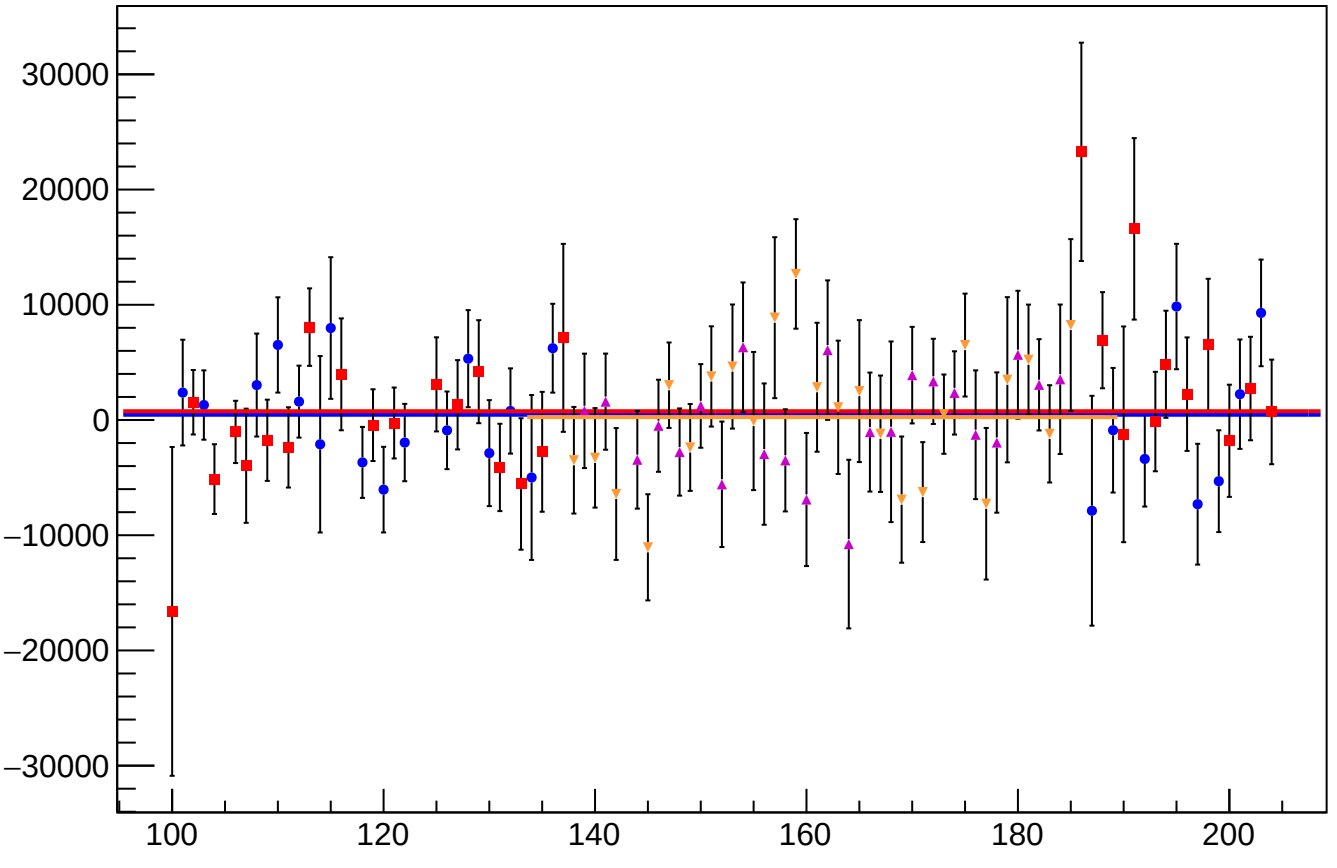
Left: 1215.689+/-0.142 χ^2/NDF: 554735.4/46

Right: 936.427+/-0.126 χ^2/NDF: 1126679.7/52

In: 1058.875+/-0.135 χ^2/NDF:1914046.6/46

Out: 1059.103+/-0.131 χ^2/NDF:1931647.6/52

All: 1058.993+/-0.094 χ^2/NDF: 3845695.7/99



Right In: 455.770+/-861.869 χ^2/NDF: 27.0/23

Left Out: 252.805+/-995.151 χ^2/NDF:29.7/23

Right Out: 762.297+/-776.379 χ^2/NDF: 32.6/28

Left In: 266.236+/-990.085 χ^2/NDF:13.4/22

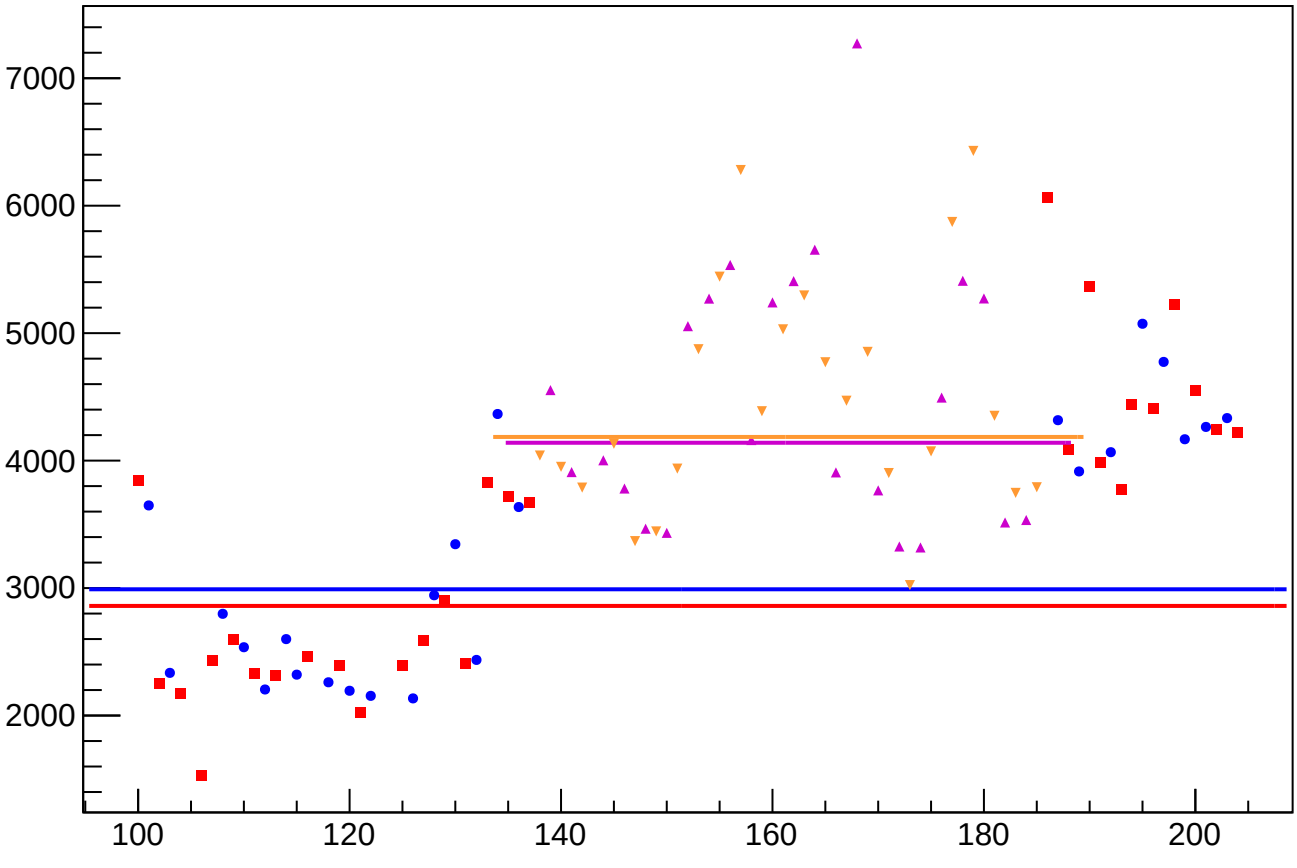
Left: 259.555+/-701.880 χ^2/NDF: 43.1/46

Right: 624.986+/-576.846 χ^2/NDF: 59.7/52

In: 374.062+/-650.070 χ^2/NDF:40.5/46

Out: 569.524+/-612.129 χ^2/NDF:62.5/52

All: 477.664+/-445.650 χ^2/NDF: 103.0/99



Right In: 2990.462+/-0.609 χ^2/NDF: 2172451.8/23

Left Out: 4185.664+/-0.704 χ^2/NDF:1271247.4/23

Right Out: 2859.971+/-0.549 χ^2/NDF: 3278266.5/28

Left In: 4140.059+/-0.700 χ^2/NDF:1449925.1/22

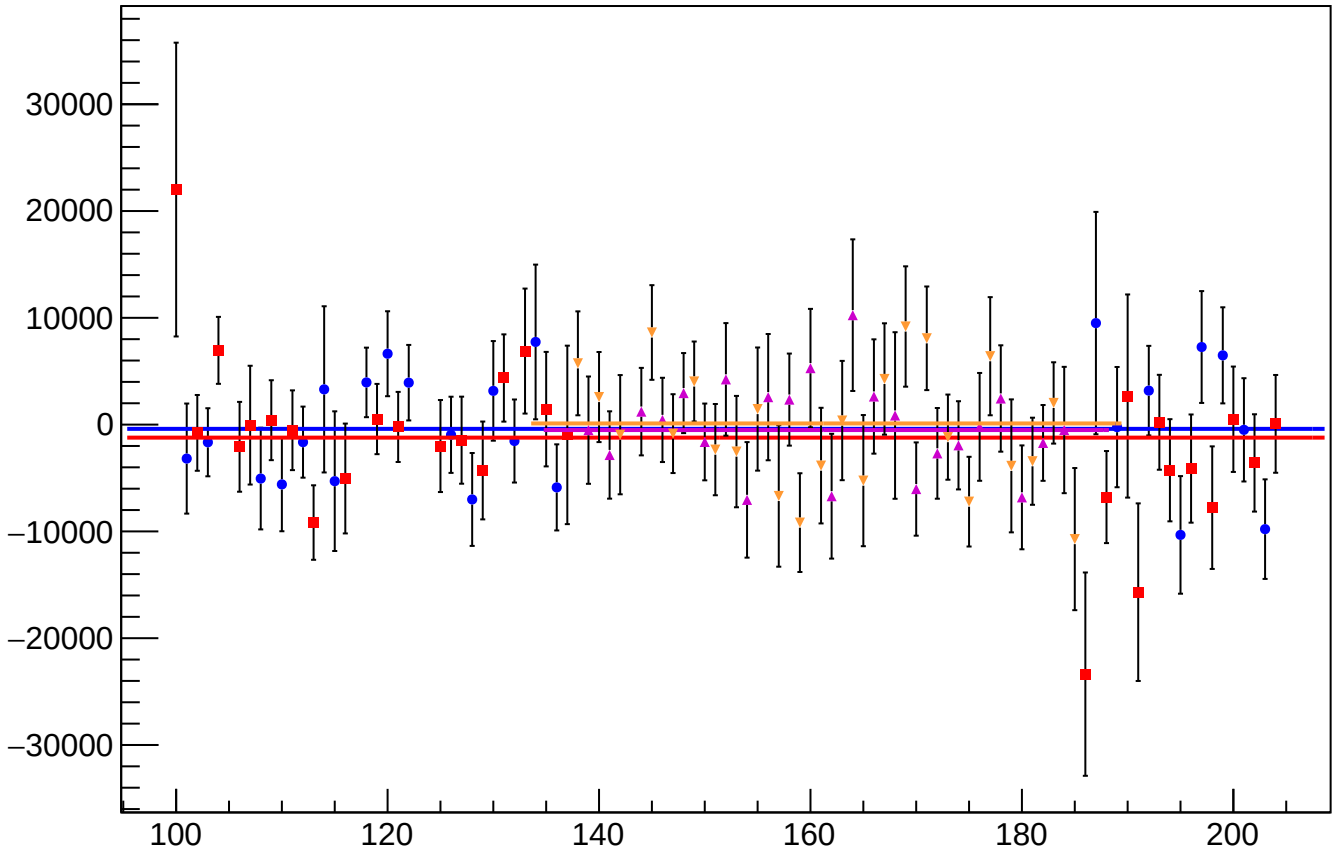
Left: 4162.745+/-0.496 χ^2/NDF: 2723283.4/46

Right: 2918.425+/-0.408 χ^2/NDF: 5476027.9/52

In: 3486.051+/-0.460 χ^2/NDF:5156336.2/46

Out: 3361.562+/-0.433 χ^2/NDF:6755869.9/52

All: 3420.068+/-0.315 χ^2/NDF: 11951081.1/9



Right In: -397.292+/-901.931 χ^2/NDF: 29.7/23

Left Out: 108.966+/-975.598 χ^2/NDF:28.0/23

Right Out: -1218.897+/-840.781 χ^2/NDF: 33.5/28

Left In: -509.024+/-974.173 χ^2/NDF:13.5/22

Left: -200.481+/-689.348 χ^2/NDF: 41.8/46

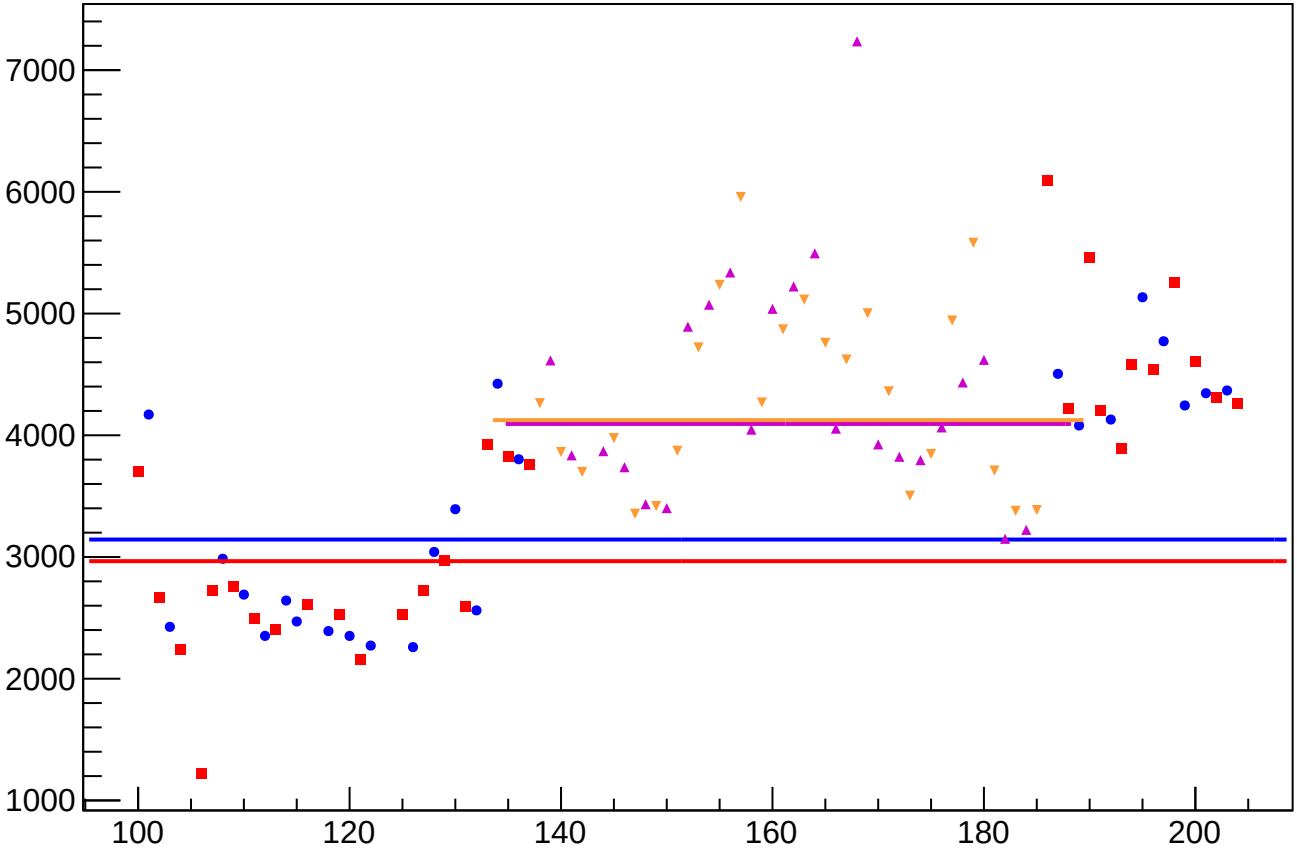
Right: -836.888+/-615.005 χ^2/NDF: 63.6/52

In: -448.862+/-661.829 χ^2/NDF:43.2/46

Out: -652.983+/-636.897 χ^2/NDF:62.6/52

All: -554.840+/-458.915 χ^2/NDF: 105.9/99

asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 3143.396+/-0.638 χ^2/NDF: 1981399.4/23

Left Out: 4124.485+/-0.690 χ^2/NDF:969929.3/23

Right Out: 2965.861+/-0.574 χ^2/NDF: 3457222.0/28

Left In: 4093.066+/-0.689 χ^2/NDF:1162851.8/22

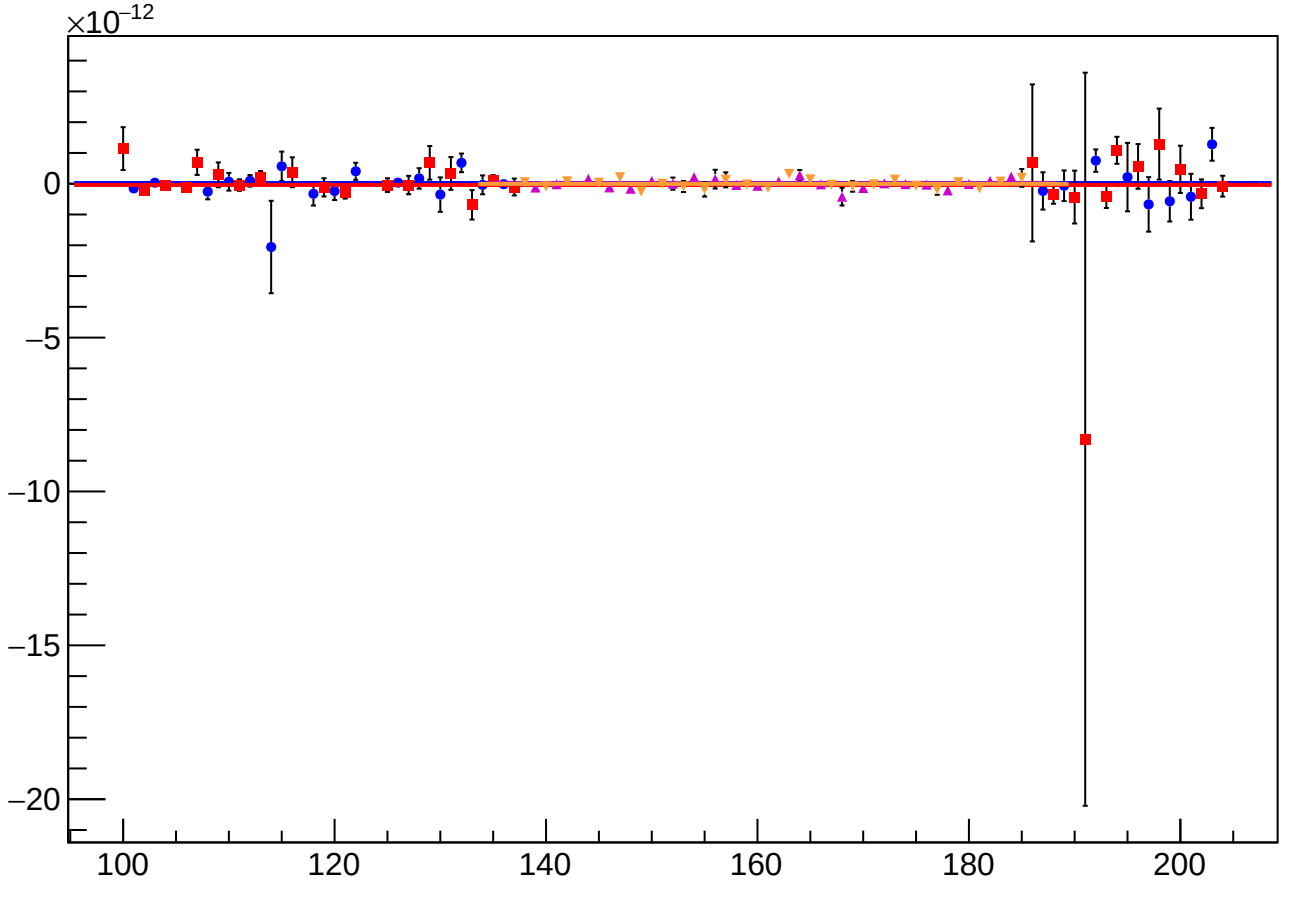
Left: 4108.753+/-0.487 χ^2/NDF: 2133819.7/46

Right: 3045.385+/-0.427 χ^2/NDF: 5481401.7/52

In: 3581.717+/-0.468 χ^2/NDF:4167658.6/46

Out: 3440.315+/-0.441 χ^2/NDF:6092840.6/52

All: 3506.894+/-0.321 χ^2/NDF: 10308808.1/9



Right In: 0.000+/-0.000 χ^2/NDF: 27.0/23

Left Out: -0.000+/-0.000 χ^2/NDF:24.2/23

Right Out: -0.000+/-0.000 χ^2/NDF: 29.4/28

Left In: 0.000+/-0.000 χ^2/NDF:25.7/22

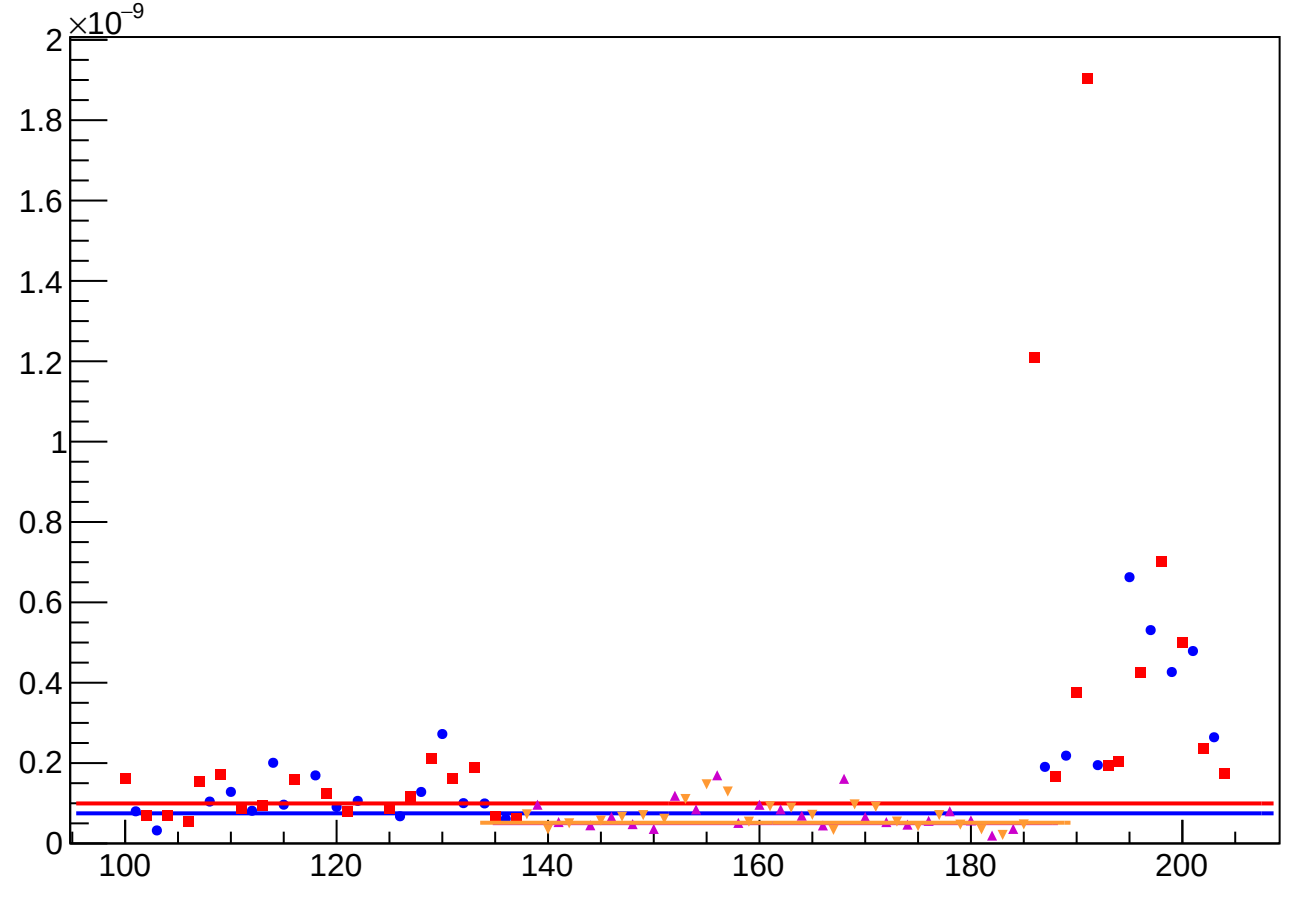
Left: 0.000+/-0.000 χ^2/NDF: 50.4/46

Right: -0.000+/-0.000 χ^2/NDF: 57.3/52

In: 0.000+/-0.000 χ^2/NDF:52.7/46

Out: -0.000+/-0.000 χ^2/NDF:54.0/52

All: 0.000+/-0.000 χ^2/NDF: 107.8/99



Right In: 0.000+/-0.000 χ^2/NDF: 4277469.0/23

Left Out: 0.000+/-0.000 χ^2/NDF:2269565.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 3612006.3/28

Left In: 0.000+/-0.000 χ^2/NDF:2433650.3/22

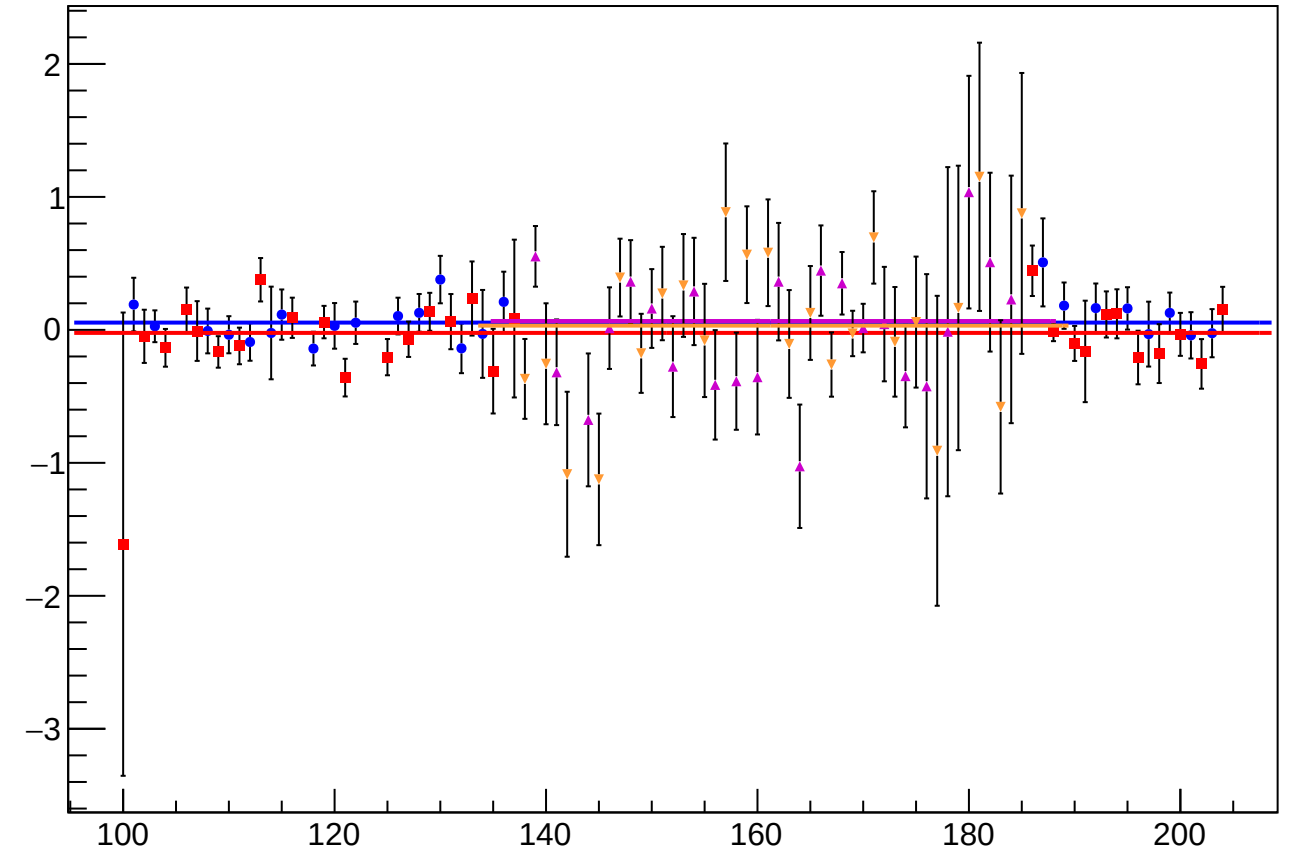
Left: 0.000+/-0.000 χ^2/NDF: 4705429.8/46

Right: 0.000+/-0.000 χ^2/NDF: 8165965.2/52

In: 0.000+/-0.000 χ^2/NDF:7220777.8/46

Out: 0.000+/-0.000 χ^2/NDF:7402796.7/52

All: 0.000+/-0.000 χ^2/NDF: 14660833.1/99



Right In: 0.055+/-0.035 χ^2/NDF: 14.0/23

Left Out: 0.032+/-0.076 χ^2/NDF:29.7/23

Right Out: -0.023+/-0.029 χ^2/NDF: 34.0/28

Left In: 0.067+/-0.075 χ^2/NDF:25.7/22

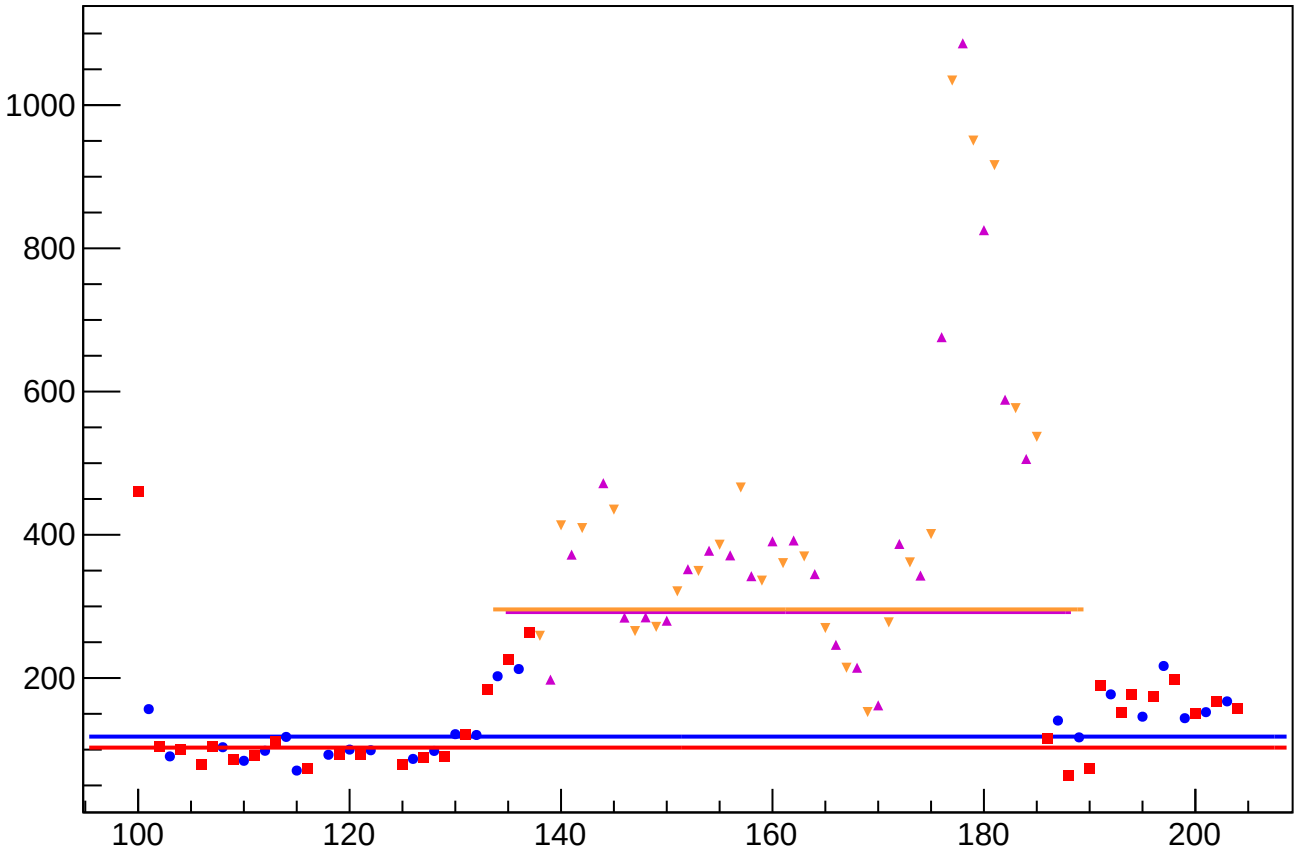
Left: 0.050+/-0.053 χ^2/NDF: 55.5/46

Right: 0.009+/-0.022 χ^2/NDF: 50.9/52

In: 0.057+/-0.032 χ^2/NDF:39.7/46

Out: -0.016+/-0.027 χ^2/NDF:64.1/52

All: 0.015+/-0.021 χ^2/NDF: 106.9/99



Right In: 118.194+/-0.025 χ^2/NDF: 2107362.2/23

Left Out: 295.798+/-0.054 χ^2/NDF:5501077.8/23

Right Out: 102.835+/-0.021 χ^2/NDF: 3570332.9/28

Left In: 292.100+/-0.053 χ^2/NDF:5055737.7/22

Left: 293.917+/-0.038 χ^2/NDF: 10559224.0/46

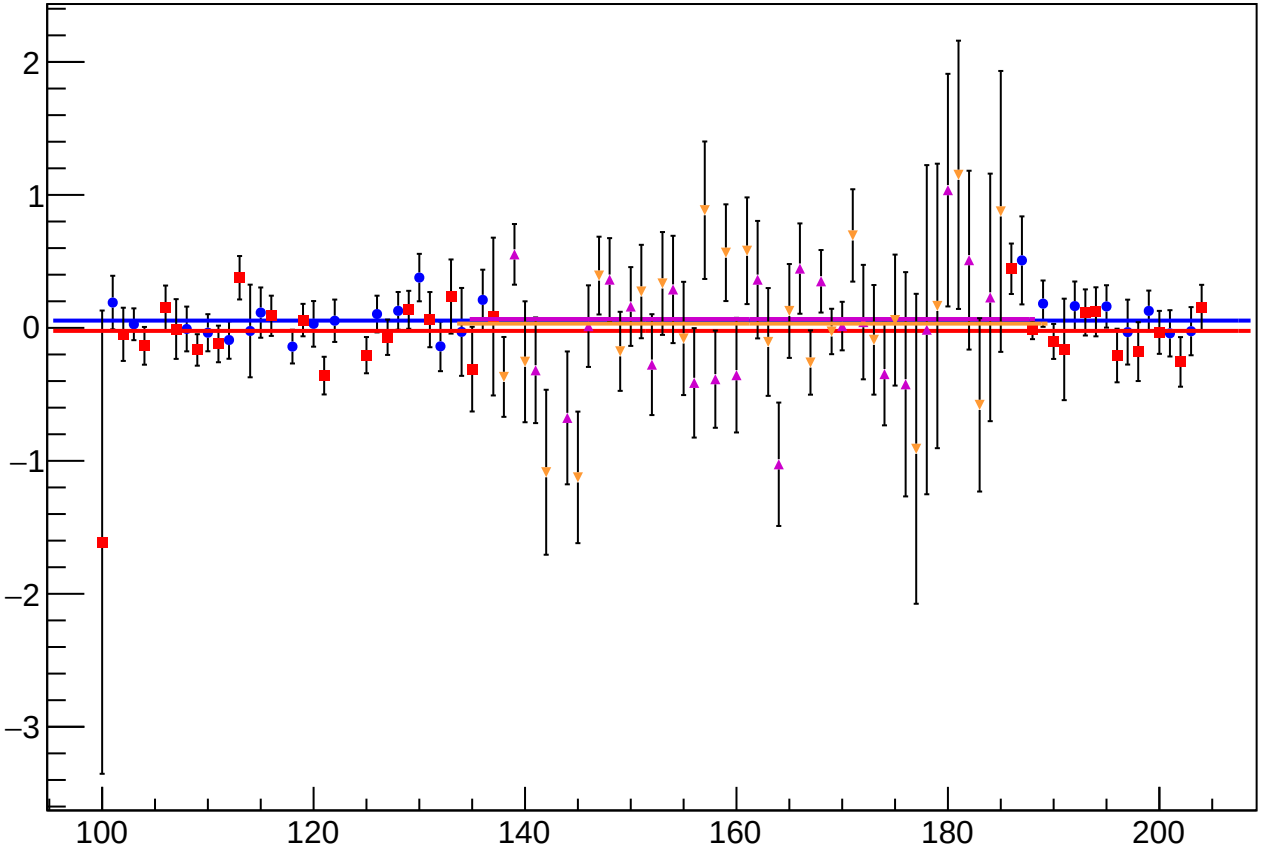
Right: 109.202+/-0.016 χ^2/NDF: 5906326.1/52

In: 149.130+/-0.022 χ^2/NDF:16069665.7/46

Out: 127.724+/-0.019 χ^2/NDF:20299863.9/52

All: 136.900+/-0.015 χ^2/NDF: 36896713.4/99

asym_usl_atl2_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.055+/-0.035 χ^2/NDF: 14.0/23

Left Out: 0.032+/-0.076 χ^2/NDF:29.7/23

Right Out: -0.023+/-0.029 χ^2/NDF: 34.0/28

Left In: 0.067+/-0.075 χ^2/NDF:25.7/22

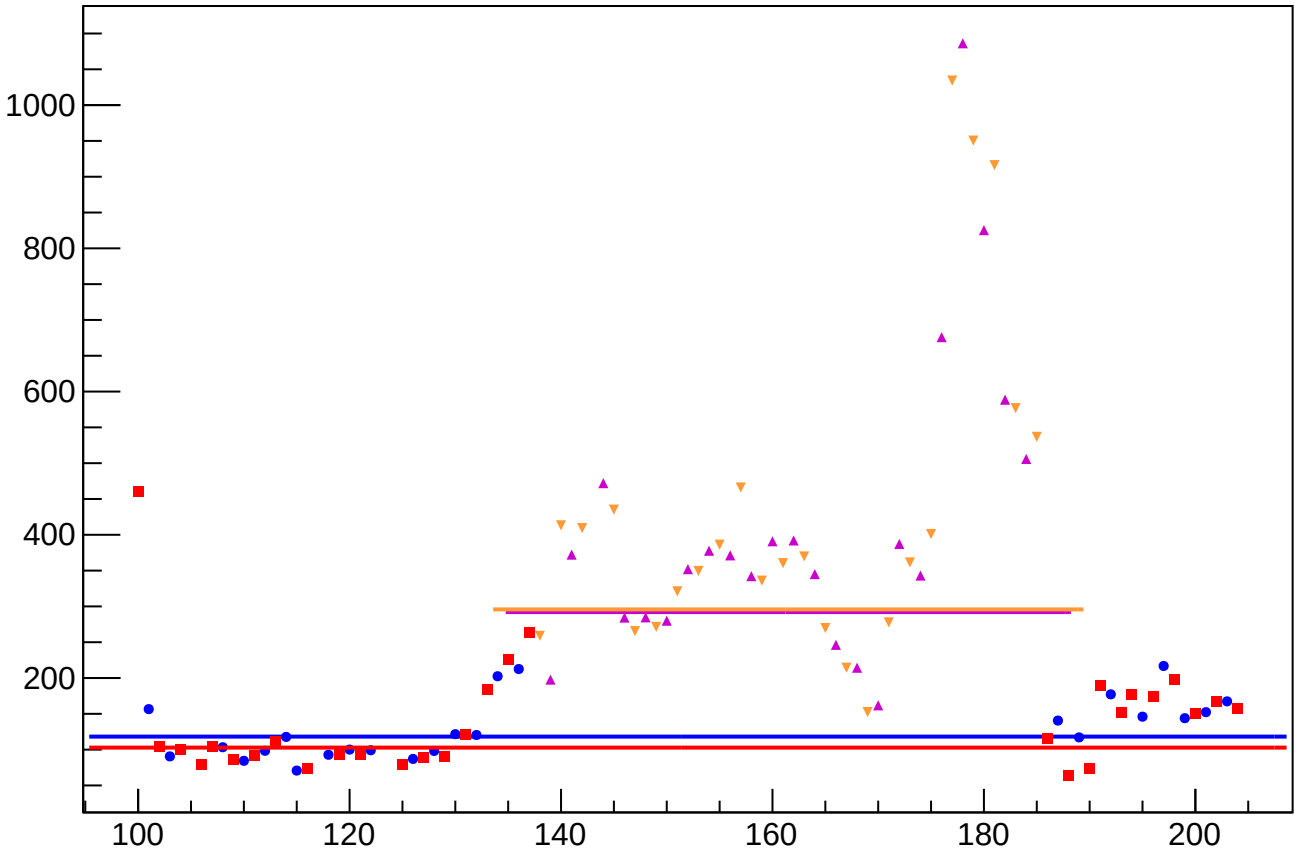
Left: 0.050+/-0.053 χ^2/NDF: 55.5/46

Right: 0.009+/-0.022 χ^2/NDF: 50.9/52

In: 0.057+/-0.032 χ^2/NDF:39.7/46

Out: -0.016+/-0.027 χ^2/NDF:64.1/52

All: 0.015+/-0.021 χ^2/NDF: 106.9/99



Right In: 118.194+/-0.025 χ^2/NDF: 2107362.2/23

Left Out: 295.798+/-0.054 χ^2/NDF:5501077.8/23

Right Out: 102.835+/-0.021 χ^2/NDF: 3570332.9/28

Left In: 292.100+/-0.053 χ^2/NDF:5055737.7/22

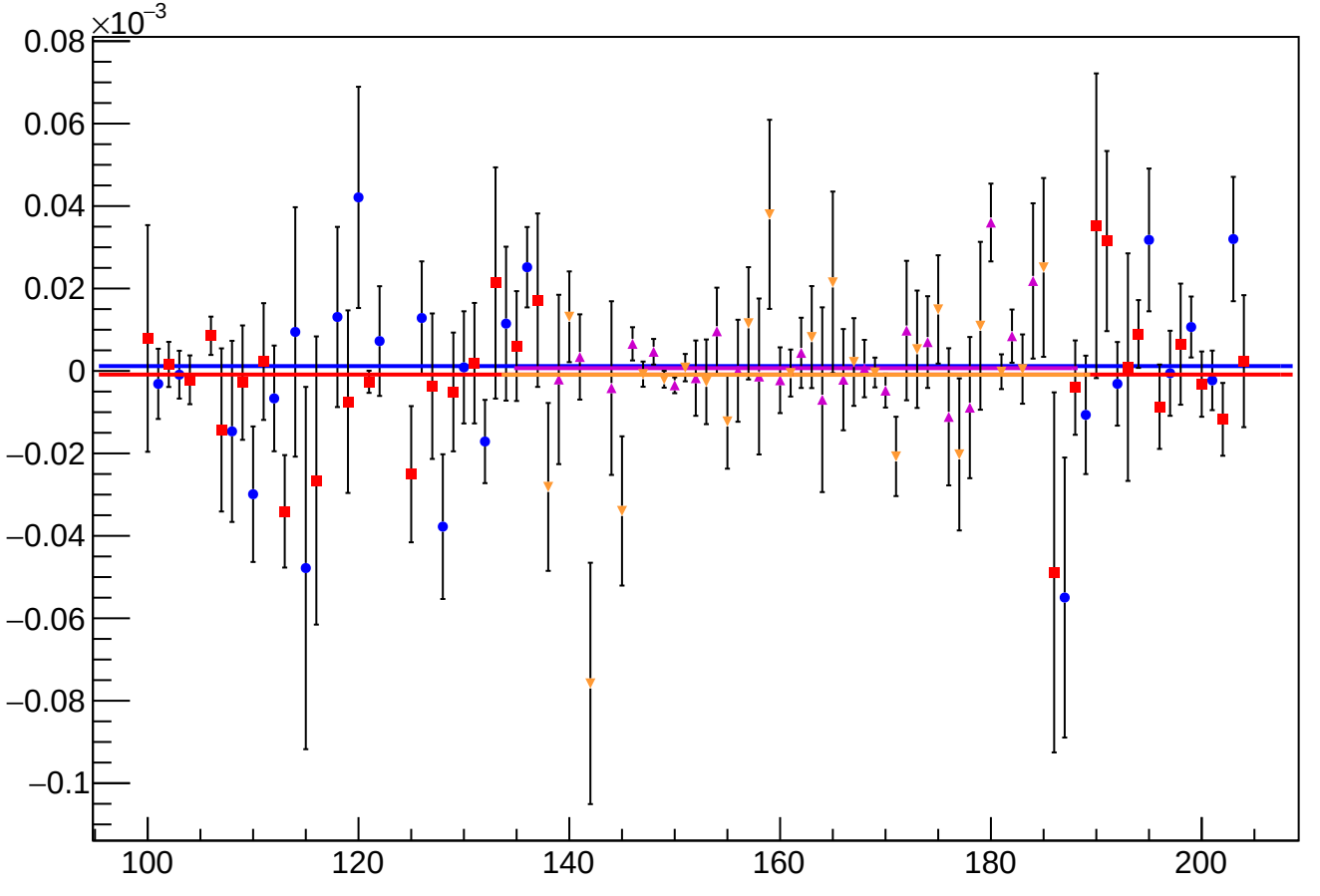
Left: 293.917+/-0.038 χ^2/NDF: 10559224.0/46

Right: 109.202+/-0.016 χ^2/NDF: 5906326.1/52

In: 149.130+/-0.022 χ^2/NDF:16069665.7/46

Out: 127.724+/-0.019 χ^2/NDF:20299863.9/52

All: 136.900+/-0.015 χ^2/NDF: 36896713.4/99



Right In: 0.000+/-0.000 χ^2/NDF: 37.1/23

Left Out: -0.000+/-0.000 χ^2/NDF:29.1/23

Right Out: -0.000+/-0.000 χ^2/NDF: 24.2/28

Left In: 0.000+/-0.000 χ^2/NDF:29.8/22

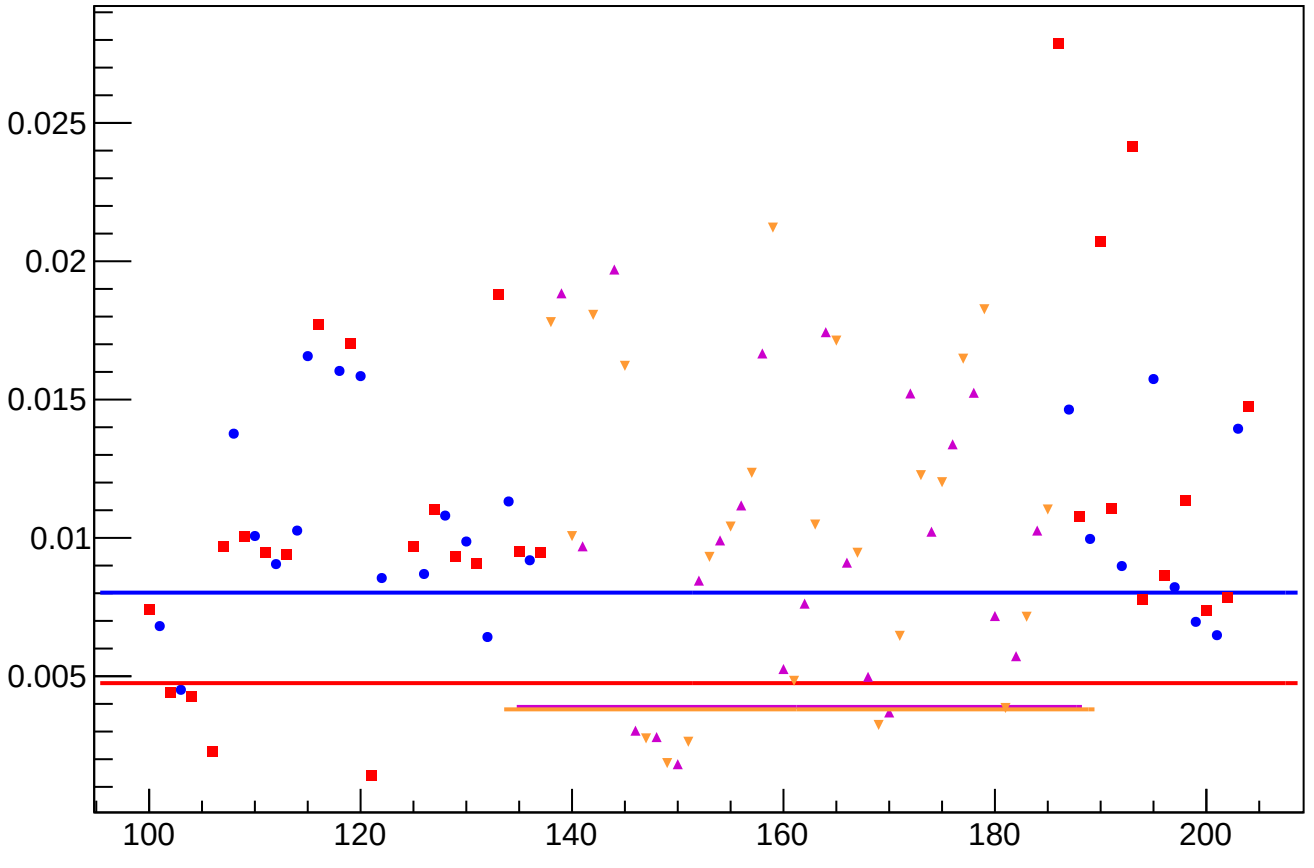
Left: -0.000+/-0.000 χ^2/NDF: 59.8/46

Right: -0.000+/-0.000 χ^2/NDF: 61.8/52

In: 0.000+/-0.000 χ^2/NDF:66.9/46

Out: -0.000+/-0.000 χ^2/NDF:53.3/52

All: -0.000+/-0.000 χ^2/NDF: 121.5/99



Right In: 0.008+/-0.000 χ^2/NDF: 2687065.8/23

Left Out: 0.004+/-0.000 χ^2/NDF:14624926.4/23

Right Out: 0.005+/-0.000 χ^2/NDF: 12001807.5/28

Left In: 0.004+/-0.000 χ^2/NDF:13523554.3/22

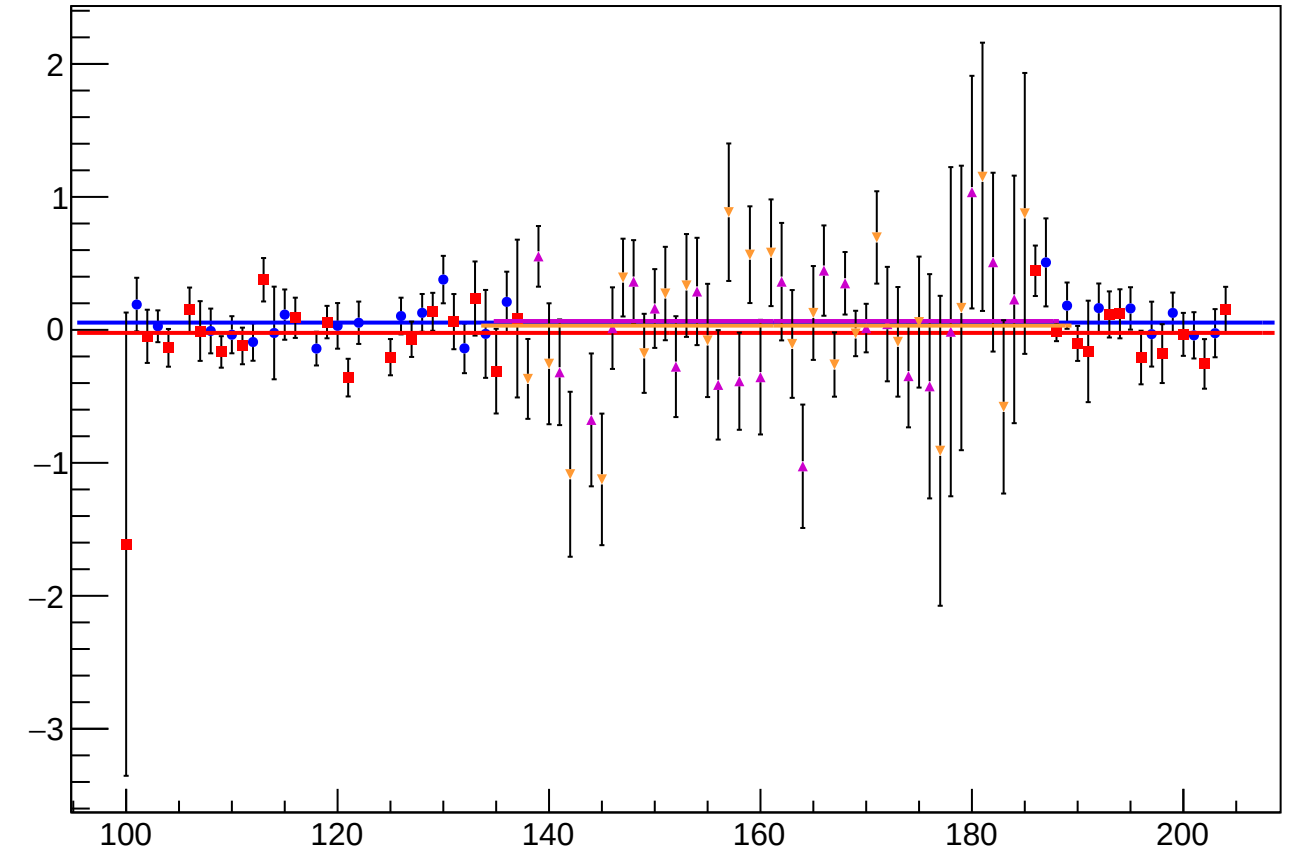
Left: 0.004+/-0.000 χ^2/NDF: 28153751.6/46

Right: 0.006+/-0.000 χ^2/NDF: 17212696.3/52

In: 0.005+/-0.000 χ^2/NDF:20889052.3/46

Out: 0.004+/-0.000 χ^2/NDF:27061742.5/52

All: 0.004+/-0.000 χ^2/NDF: 48317953.7/99



Right In: 0.055+/-0.035 χ^2/NDF: 14.0/23

Left Out: 0.032+/-0.076 χ^2/NDF:29.7/23

Right Out: -0.023+/-0.029 χ^2/NDF: 34.0/28

Left In: 0.067+/-0.075 χ^2/NDF:25.7/22

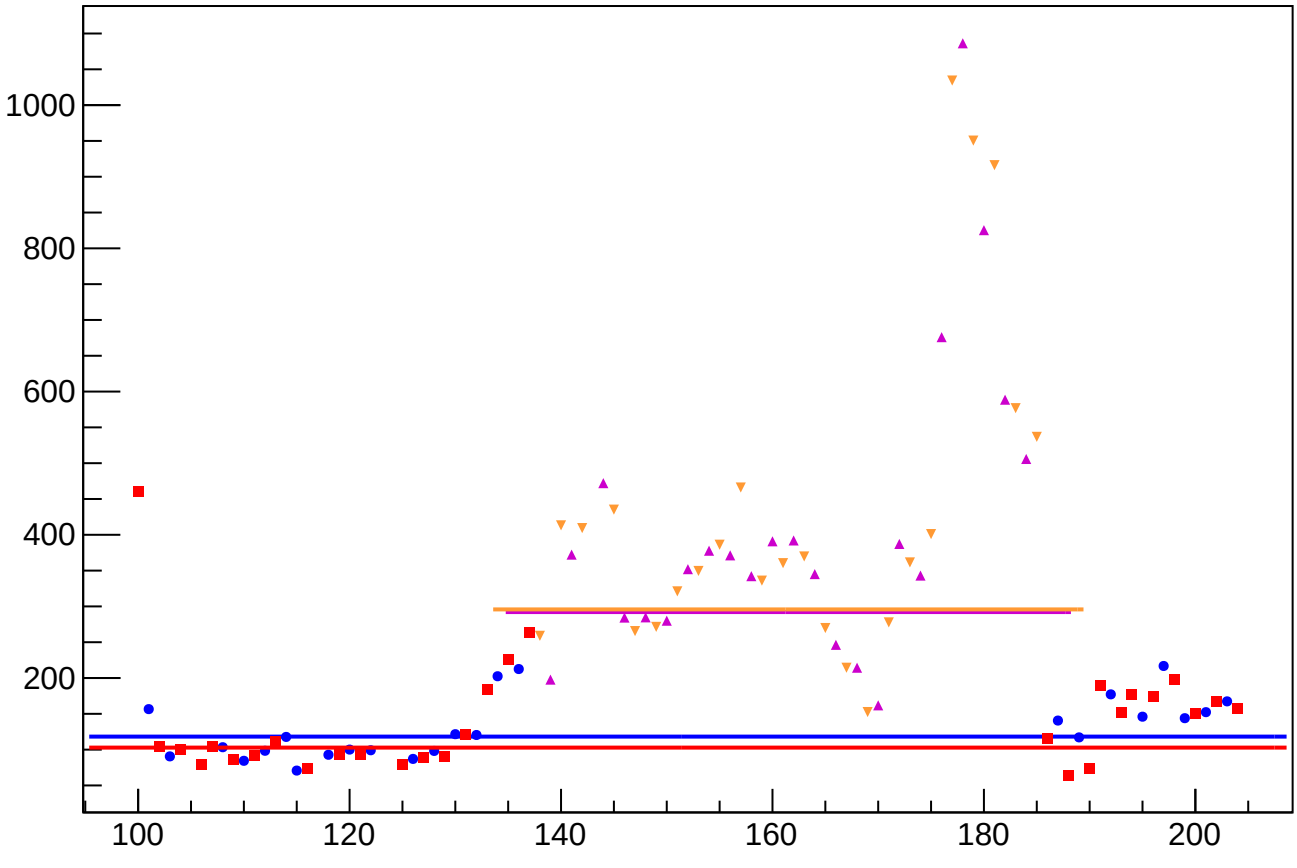
Left: 0.050+/-0.053 χ^2/NDF: 55.5/46

Right: 0.009+/-0.022 χ^2/NDF: 50.9/52

In: 0.057+/-0.032 χ^2/NDF:39.7/46

Out: -0.016+/-0.027 χ^2/NDF:64.1/52

All: 0.015+/-0.021 χ^2/NDF: 106.9/99



Right In: 118.194+/-0.025 χ^2/NDF: 2107328.9/23

Left Out: 295.800+/-0.054 χ^2/NDF:5501139.3/23

Right Out: 102.834+/-0.021 χ^2/NDF: 3570514.3/28

Left In: 292.103+/-0.053 χ^2/NDF:5055695.7/22

Left: 293.920+/-0.038 χ^2/NDF: 10559241.5/46

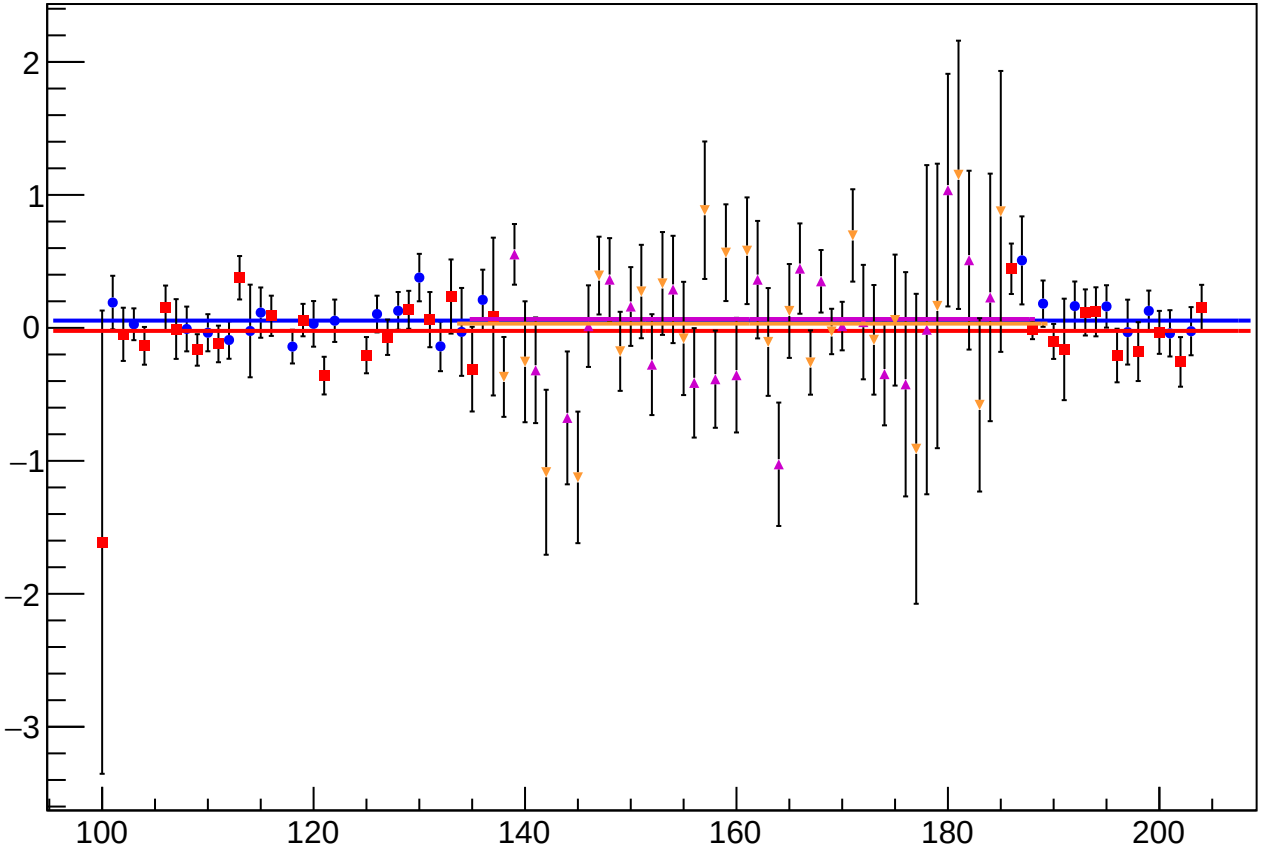
Right: 109.202+/-0.016 χ^2/NDF: 5906531.4/52

In: 149.130+/-0.022 χ^2/NDF:16069709.9/46

Out: 127.723+/-0.019 χ^2/NDF:20300372.7/52

All: 136.899+/-0.015 χ^2/NDF: 36897382.0/99

asym_usl_atl2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.055+/-0.035 χ^2/NDF: 14.0/23

Left Out: 0.032+/-0.076 χ^2/NDF:29.7/23

Right Out: -0.023+/-0.029 χ^2/NDF: 34.0/28

Left In: 0.067+/-0.075 χ^2/NDF:25.7/22

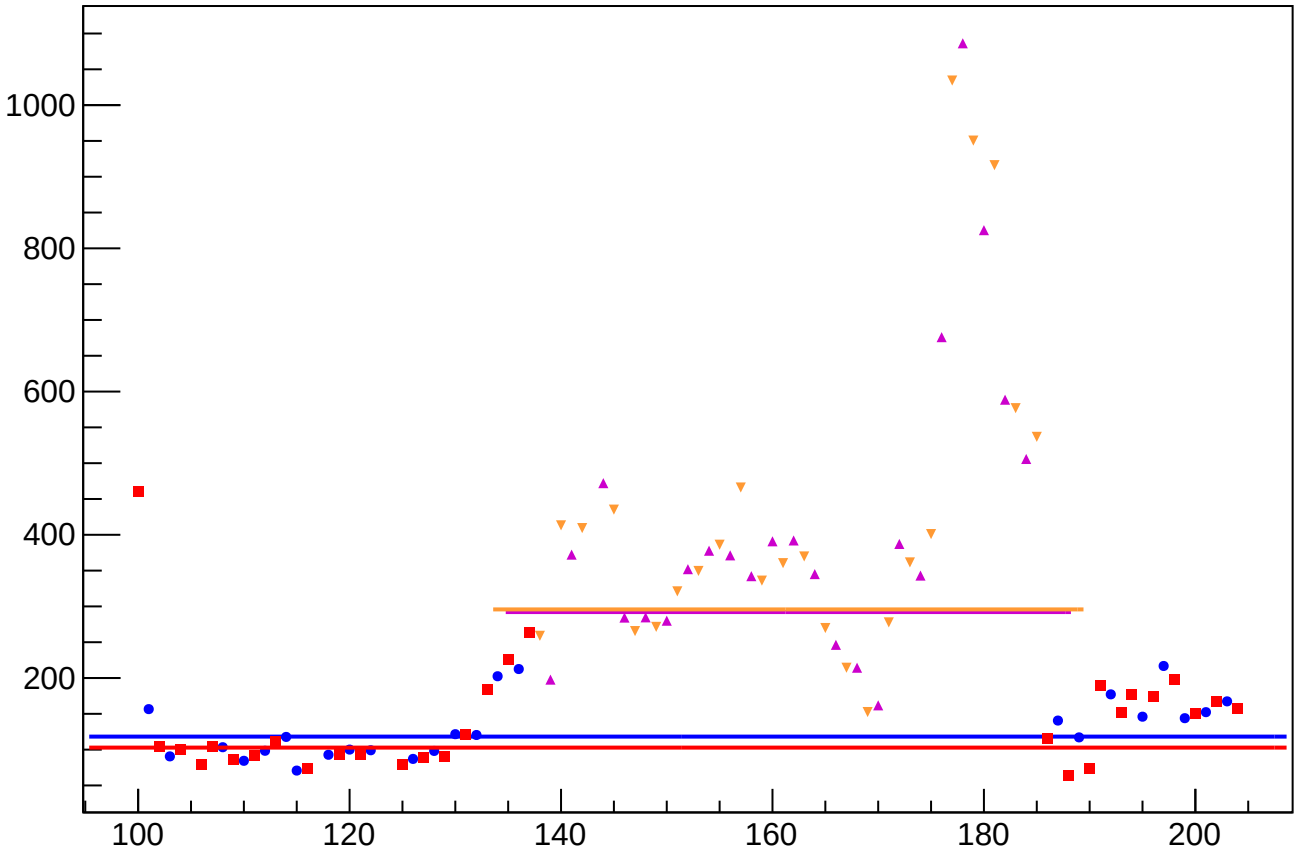
Left: 0.050+/-0.053 χ^2/NDF: 55.5/46

Right: 0.009+/-0.022 χ^2/NDF: 50.9/52

In: 0.057+/-0.032 χ^2/NDF:39.7/46

Out: -0.016+/-0.027 χ^2/NDF:64.1/52

All: 0.015+/-0.021 χ^2/NDF: 106.9/99



Right In: 118.194+/-0.025 χ^2/NDF: 2107328.9/23

Left Out: 295.800+/-0.054 χ^2/NDF:5501139.3/23

Right Out: 102.834+/-0.021 χ^2/NDF: 3570514.3/28

Left In: 292.103+/-0.053 χ^2/NDF:5055695.7/22

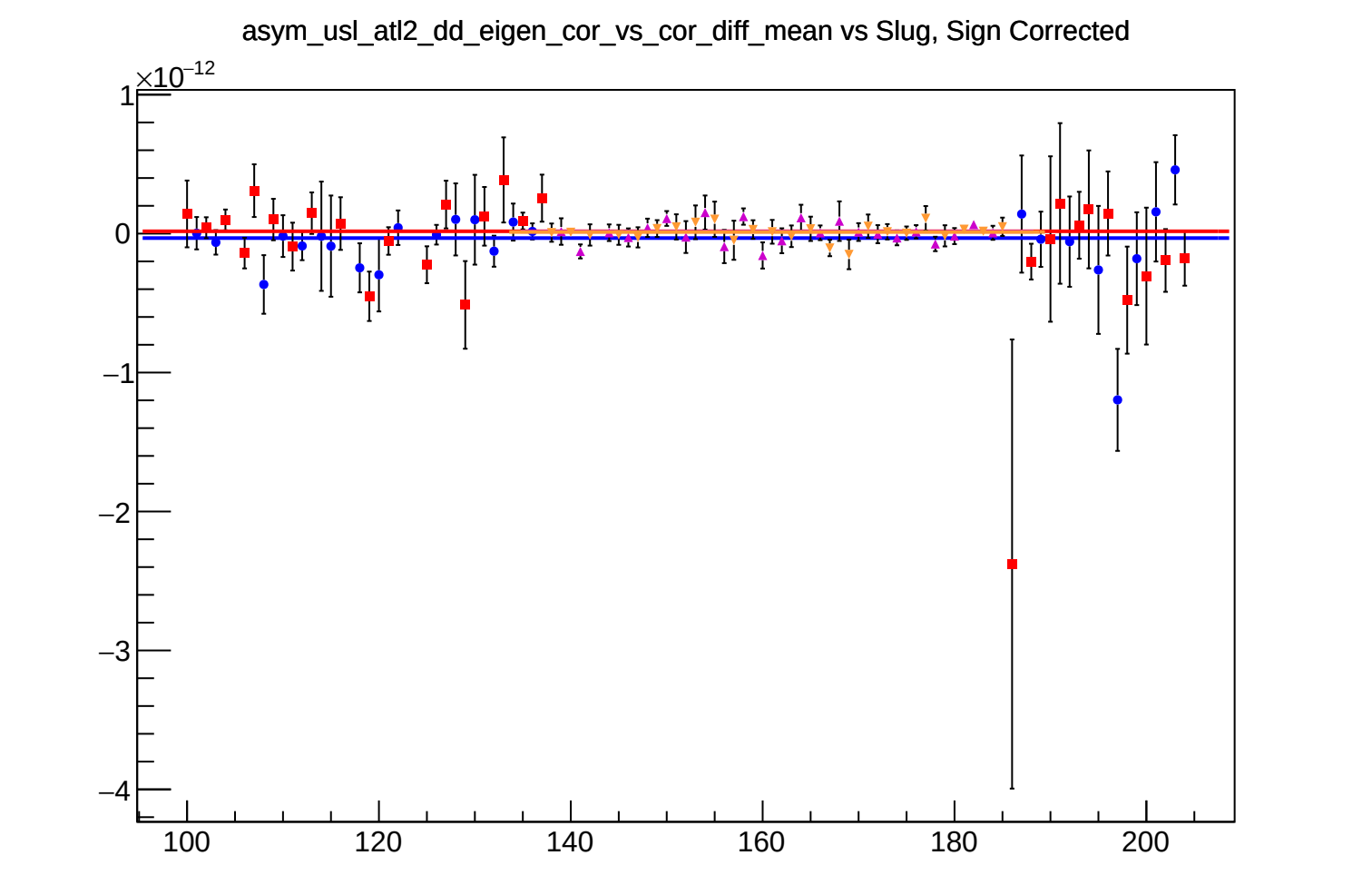
Left: 293.920+/-0.038 χ^2/NDF: 10559241.5/46

Right: 109.202+/-0.016 χ^2/NDF: 5906531.4/52

In: 149.130+/-0.022 χ^2/NDF:16069709.9/46

Out: 127.723+/-0.019 χ^2/NDF:20300372.7/52

All: 136.899+/-0.015 χ^2/NDF: 36897382.0/99



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

Left Out: 0.000+/-0.000 χ^2/NDF:10.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 37.0/28

Left In: 0.000+/-0.000 χ^2/NDF:30.9/22

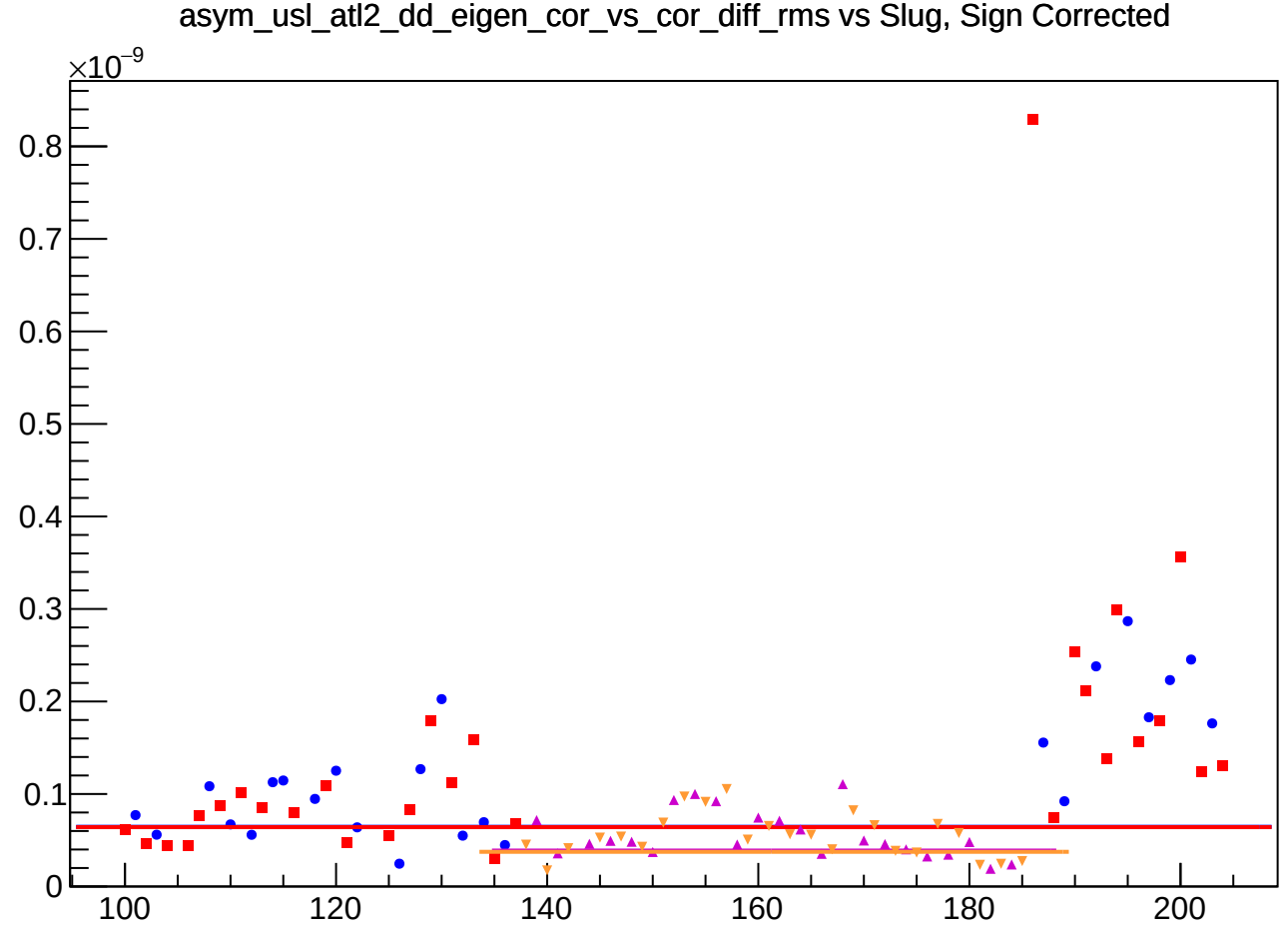
Left: 0.000+/-0.000 χ^2/NDF: 41.5/46

Right: -0.000+/-0.000 χ^2/NDF: 62.0/52

In: 0.000+/-0.000 χ^2/NDF:56.6/46

Out: 0.000+/-0.000 χ^2/NDF:47.7/52

All: 0.000+/-0.000 χ^2/NDF: 104.4/99



Right In: 0.000+/-0.000 χ^2/NDF: 4476742.7/23

Left Out: 0.000+/-0.000 χ^2/NDF:4983727.4/23

Right Out: 0.000+/-0.000 χ^2/NDF: 4973471.5/28

Left In: 0.000+/-0.000 χ^2/NDF:4577795.4/22

Left: 0.000+/-0.000 χ^2/NDF: 9574010.5/46

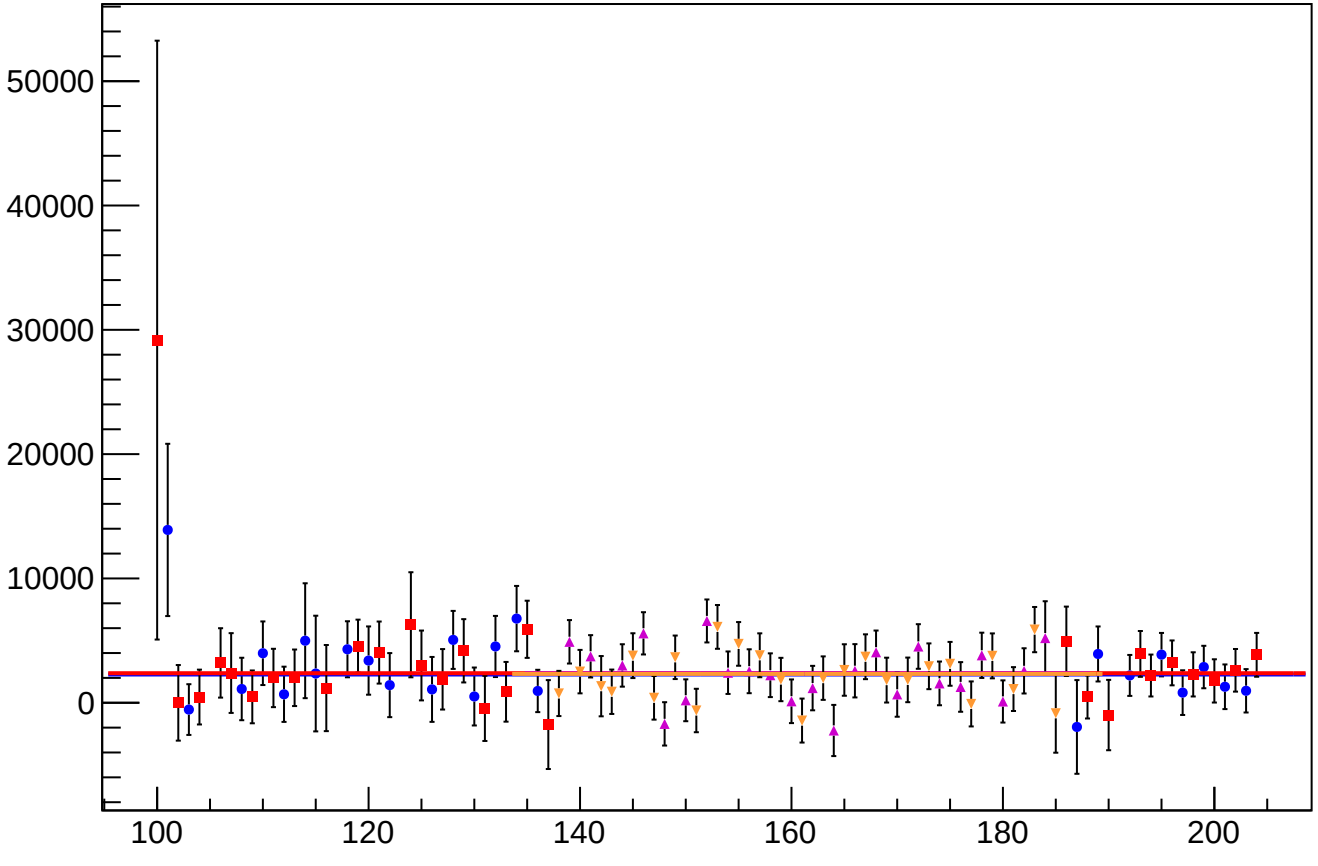
Right: 0.000+/-0.000 χ^2/NDF: 9450410.7/52

In: 0.000+/-0.000 χ^2/NDF:10432457.2/46

Out: 0.000+/-0.000 χ^2/NDF:11581874.5/52

All: 0.000+/-0.000 χ^2/NDF: 22021215.6/99

reg_asym_usr_atr1_avg_mean vs Slug, Sign Corrected



Right In: 2272.982+/-457.423 χ^2/NDF: 18.2/23

Left Out: 2321.067+/-366.301 χ^2/NDF:27.5/24

Right Out: 2376.988+/-424.772 χ^2/NDF: 17.1/28

Left In: 2370.629+/-376.798 χ^2/NDF:33.7/22

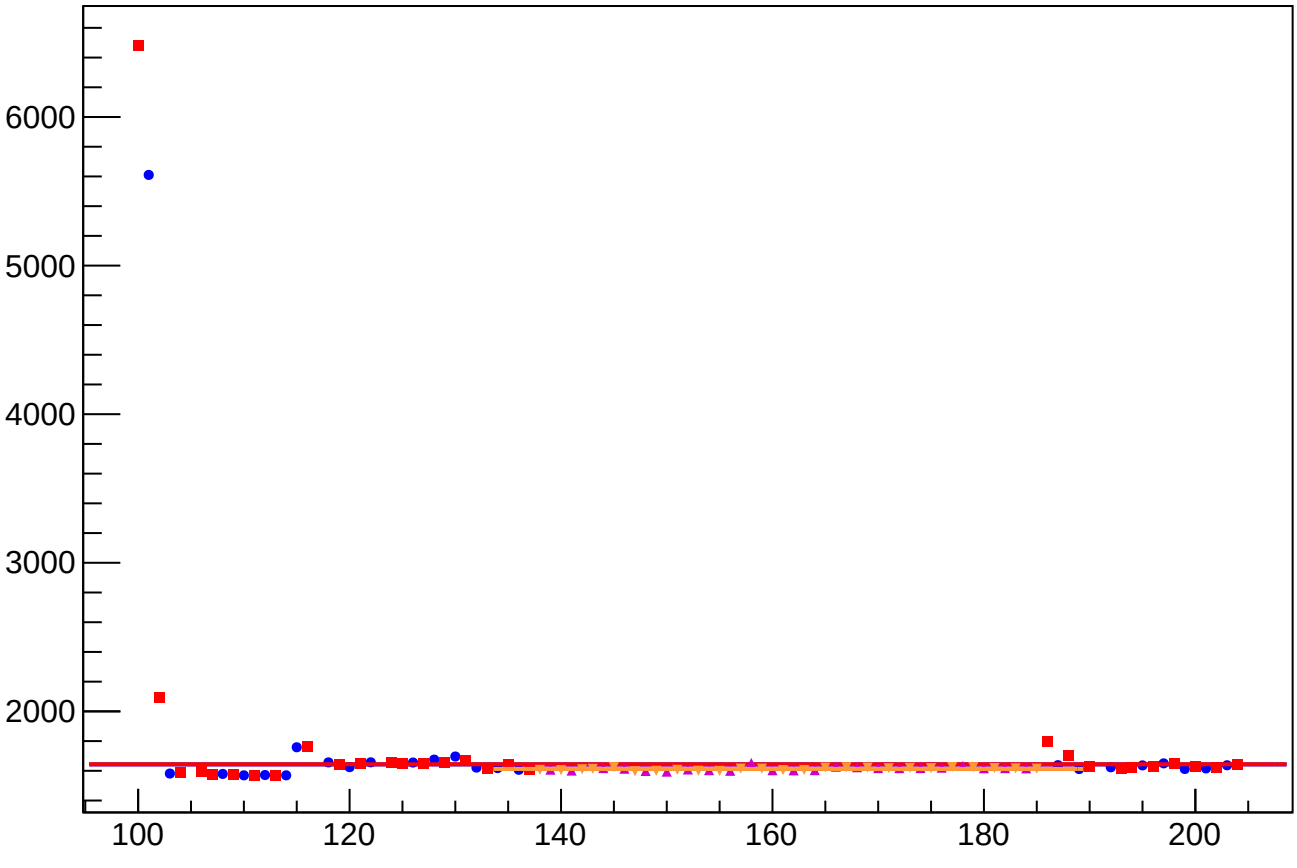
Left: 2345.148+/-262.646 χ^2/NDF: 61.2/47

Right: 2328.829+/-311.263 χ^2/NDF: 35.4/52

In: 2331.155+/-290.832 χ^2/NDF:52.0/46

Out: 2344.917+/-277.402 χ^2/NDF:44.6/53

All: 2338.361+/-200.733 χ^2/NDF: 96.6/100



Right In: 1643.014+/-0.323 χ^2/NDF: 669005.8/23

Left Out: 1612.607+/-0.259 χ^2/NDF:1172.5/24

Right Out: 1644.087+/-0.300 χ^2/NDF: 146454.4/28

Left In: 1613.793+/-0.266 χ^2/NDF:2354.6/22

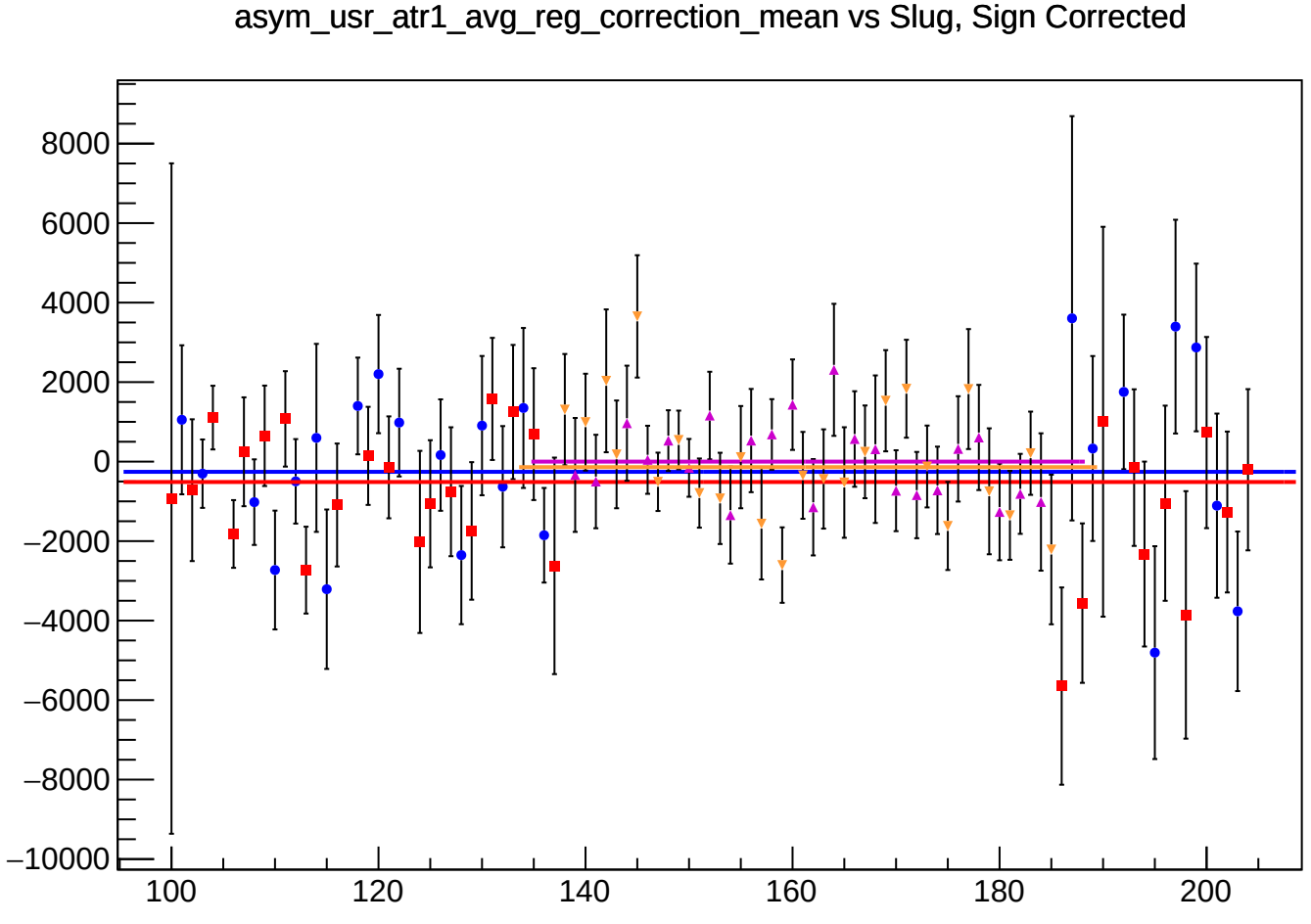
Left: 1613.183+/-0.186 χ^2/NDF: 3537.3/47

Right: 1643.590+/-0.220 χ^2/NDF: 815466.1/52

In: 1625.605+/-0.206 χ^2/NDF:676222.6/46

Out: 1626.033+/-0.196 χ^2/NDF:153926.6/53

All: 1625.829+/-0.142 χ^2/NDF: 830151.5/100



Right In: -257.089+/-317.766 χ^2/NDF: 27.8/23

Left Out: -139.022+/-229.126 χ^2/NDF:30.2/24

Right Out: -513.150+/-288.274 χ^2/NDF: 28.1/28

Left In: -0.092+/-231.903 χ^2/NDF:12.9/22

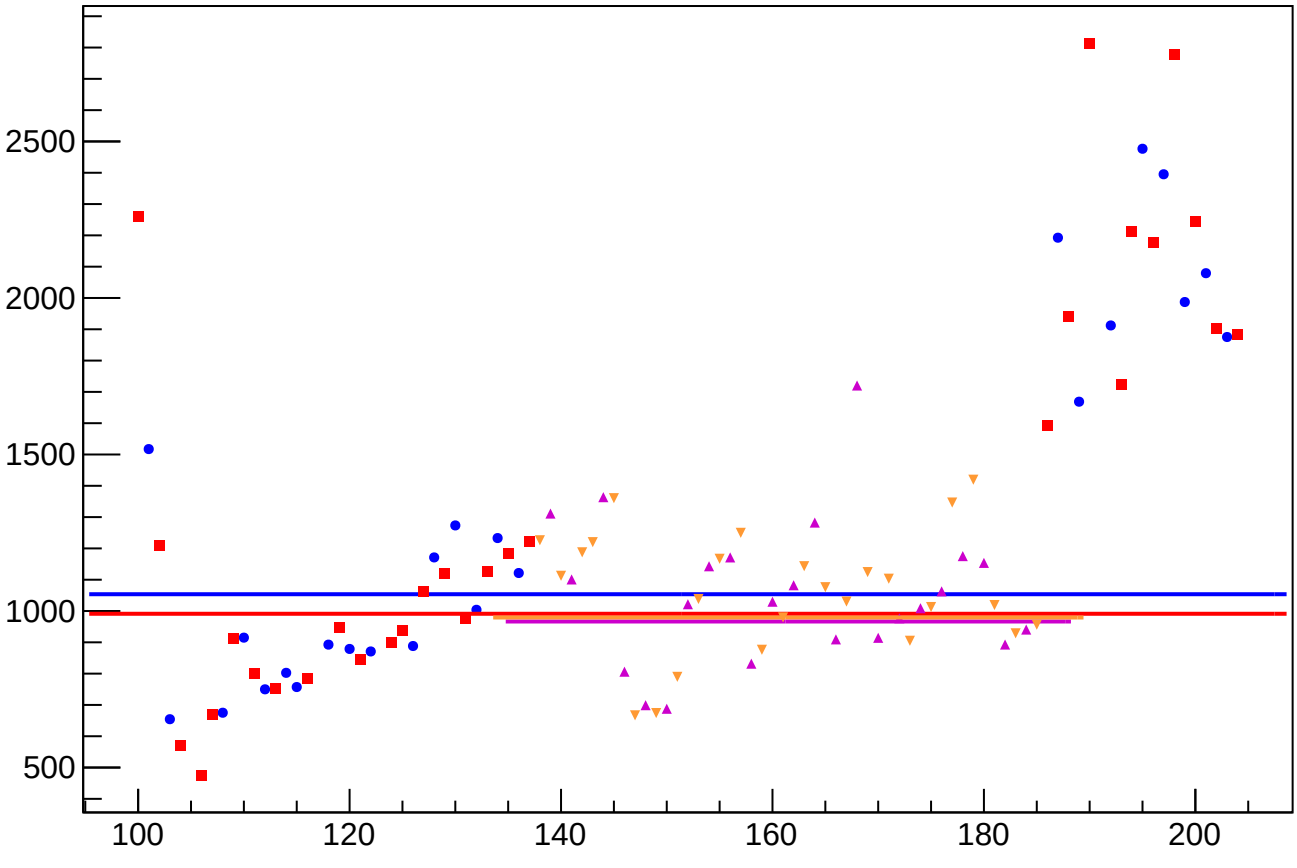
Left: -70.394+/-162.990 χ^2/NDF: 43.2/47

Right: -397.550+/-213.507 χ^2/NDF: 56.3/52

In: -89.402+/-187.324 χ^2/NDF:41.1/46

Out: -283.868+/-179.370 χ^2/NDF:59.3/53

All: -190.851+/-129.554 χ^2/NDF: 100.9/100



Right In: 1053.668+/-0.225 χ^2/NDF: 4050945.5/23

Left Out: 979.294+/-0.162 χ^2/NDF:1630623.2/24

Right Out: 991.202+/-0.204 χ^2/NDF: 5896531.8/28

Left In: 966.526+/-0.164 χ^2/NDF:1602596.2/22

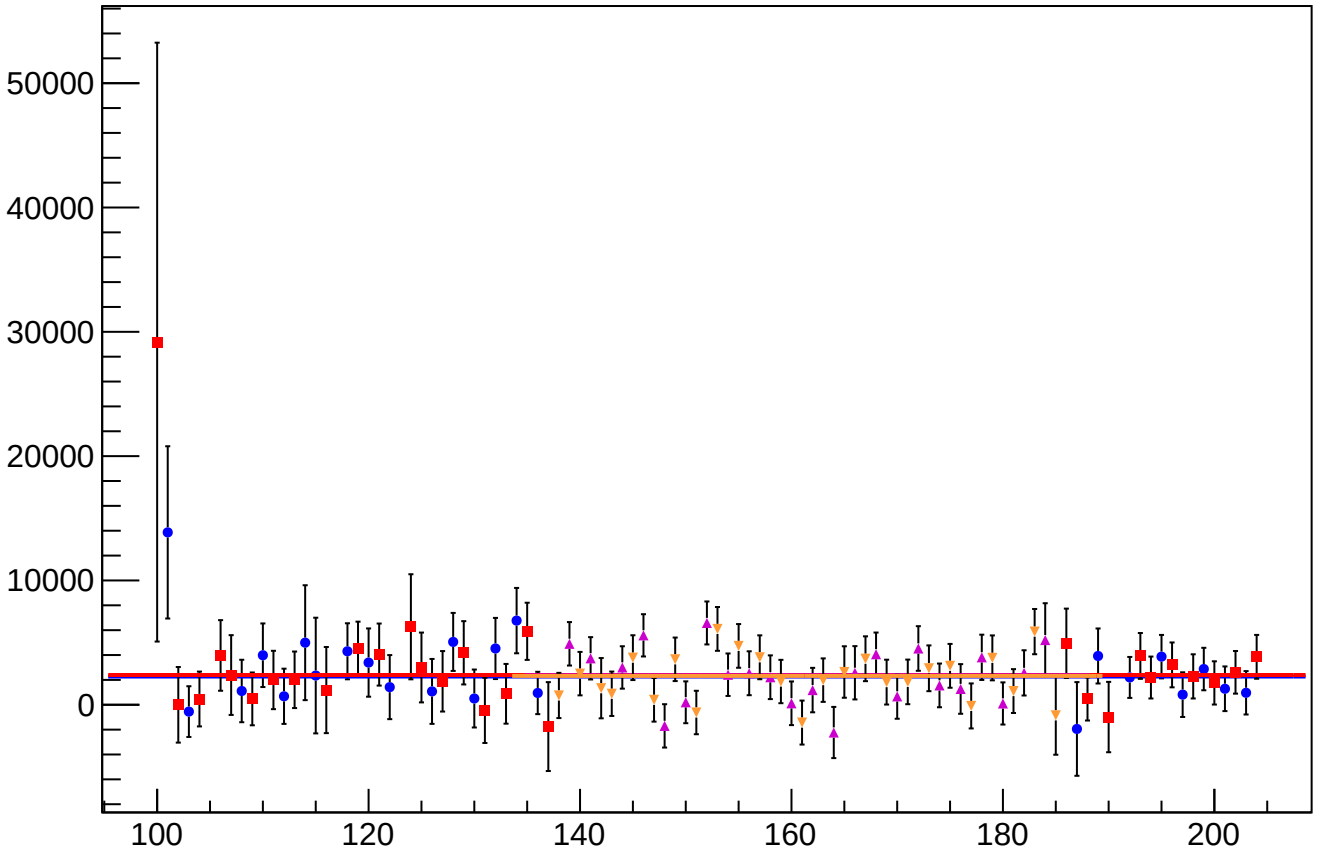
Left: 972.987+/-0.115 χ^2/NDF: 3236287.4/47

Right: 1019.402+/-0.151 χ^2/NDF: 9989872.6/52

In: 996.809+/-0.132 χ^2/NDF:5751680.4/46

Out: 983.904+/-0.127 χ^2/NDF:7529246.2/53

All: 990.077+/-0.092 χ^2/NDF: 13285878.0/10



Right In: 2272.735+/-457.423 χ^2/NDF: 18.2/23

Left Out: 2321.025+/-366.301 χ^2/NDF:27.5/24

Right Out: 2393.516+/-424.941 χ^2/NDF: 17.3/28

Left In: 2370.700+/-376.798 χ^2/NDF:33.7/22

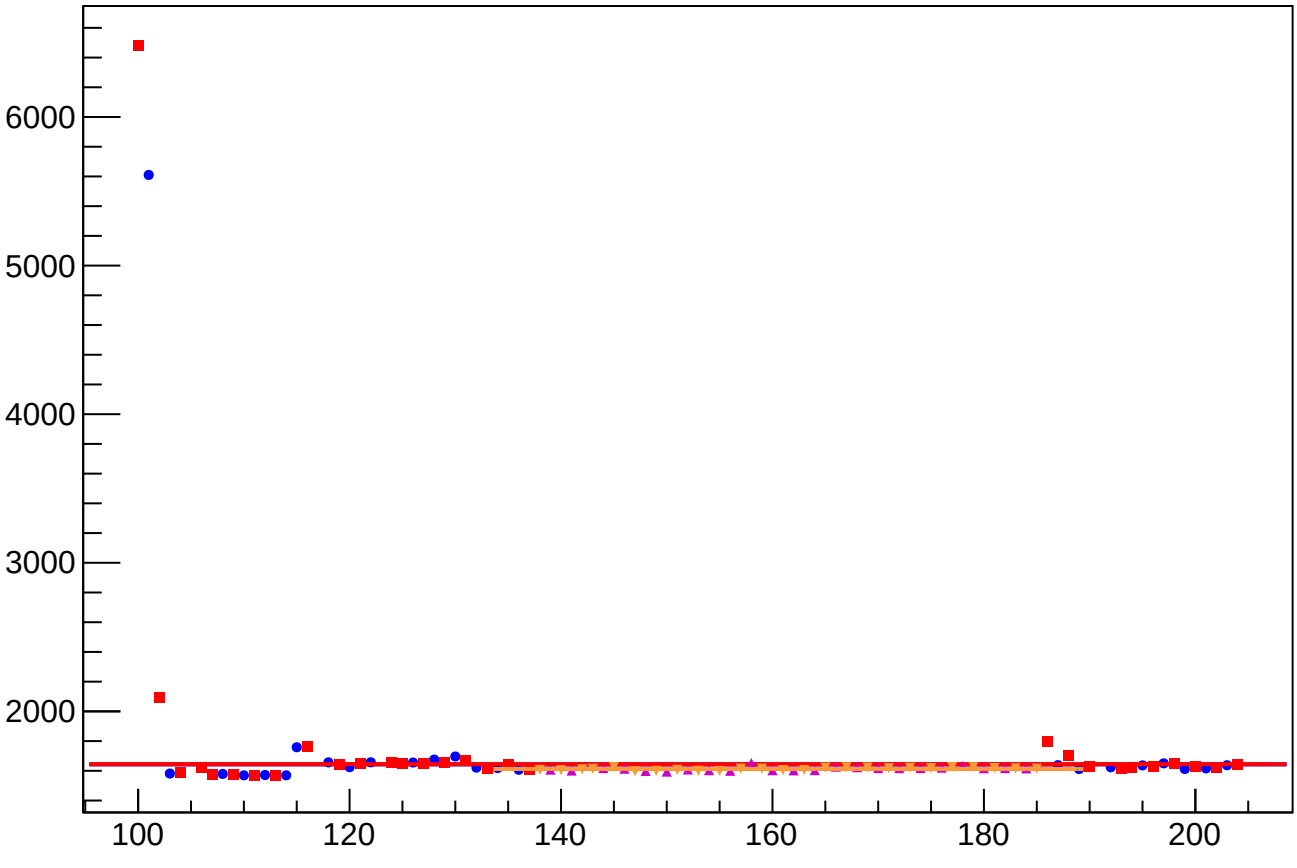
Left: 2345.161+/-262.646 χ^2/NDF: 61.2/47

Right: 2337.566+/-311.329 χ^2/NDF: 35.6/52

In: 2331.098+/-290.832 χ^2/NDF:52.0/46

Out: 2351.927+/-277.449 χ^2/NDF:44.8/53

All: 2342.003+/-200.750 χ^2/NDF: 96.8/100



Right In: 1643.014+/-0.323 χ^2/NDF: 669005.3/23

Left Out: 1612.607+/-0.259 χ^2/NDF:1172.5/24

Right Out: 1644.720+/-0.300 χ^2/NDF: 145935.1/28

Left In: 1613.793+/-0.266 χ^2/NDF:2354.6/22

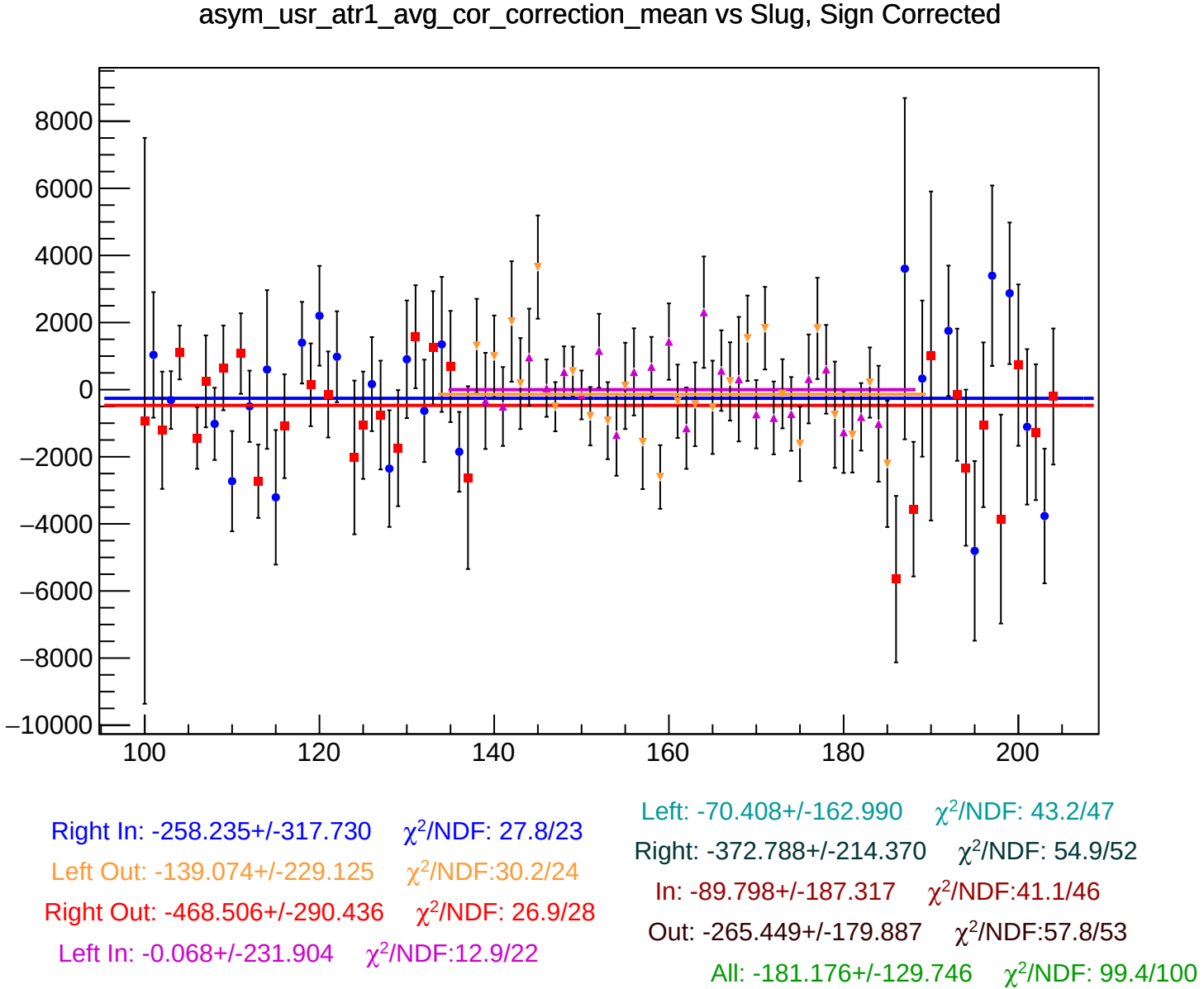
Left: 1613.184+/-0.186 χ^2/NDF: 3537.3/47

Right: 1643.930+/-0.220 χ^2/NDF: 814955.4/52

In: 1625.605+/-0.206 χ^2/NDF:676222.2/46

Out: 1626.297+/-0.196 χ^2/NDF:153660.3/53

All: 1625.967+/-0.142 χ^2/NDF: 829888.4/100


asym_usr_atr1_avg_cor_correction_mean vs Slug, Sign Corrected
8000
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−8000
−10000
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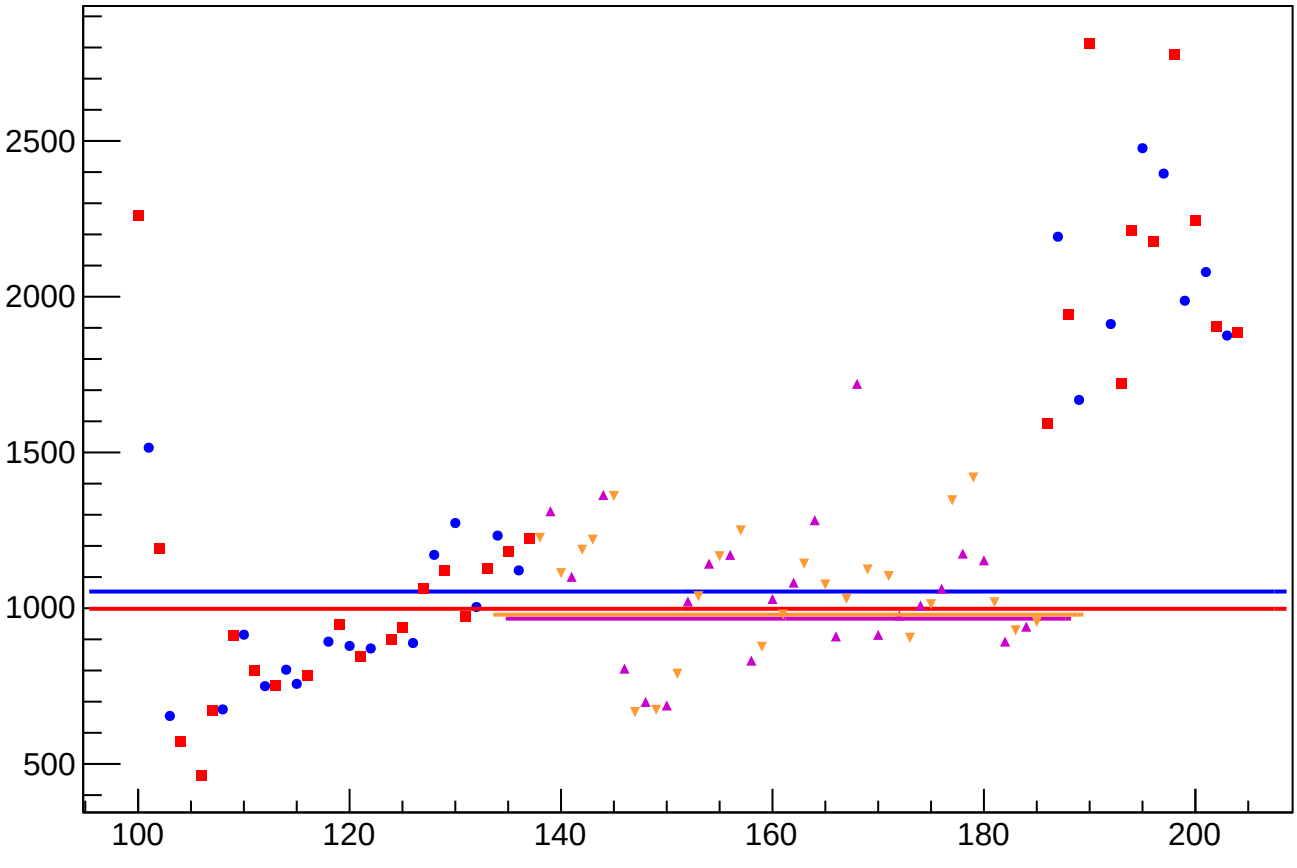
160
180
200
Right In: -258.235+/-317.730 χ²/NDF: 27.8/23
Left Out: -139.074+/-229.125 χ²/NDF:30.2/24
Right Out: -468.506+/-290.436 χ²/NDF: 26.9/28
Left In: -0.068+/-231.904 χ²/NDF:12.9/22
Left: -70.408+/-162.990 χ²/NDF: 43.2/47
Right: -372.788+/-214.370 χ²/NDF: 54.9/52
In: -89.798+/-187.317 χ²/NDF:41.1/46
Out: -265.449+/-179.887 χ²/NDF:57.8/53
All: -181.176+/-129.746 χ²/NDF: 99.4/100



Right In: 1053.545+/-0.225 χ^2/NDF: 4051393.9/23

Left Out: 979.288+/-0.162 χ^2/NDF:1630731.2/24

Right Out: 998.177+/-0.205 χ^2/NDF: 5816574.0/28

Left In: 966.531+/-0.164 χ^2/NDF:1602562.1/22

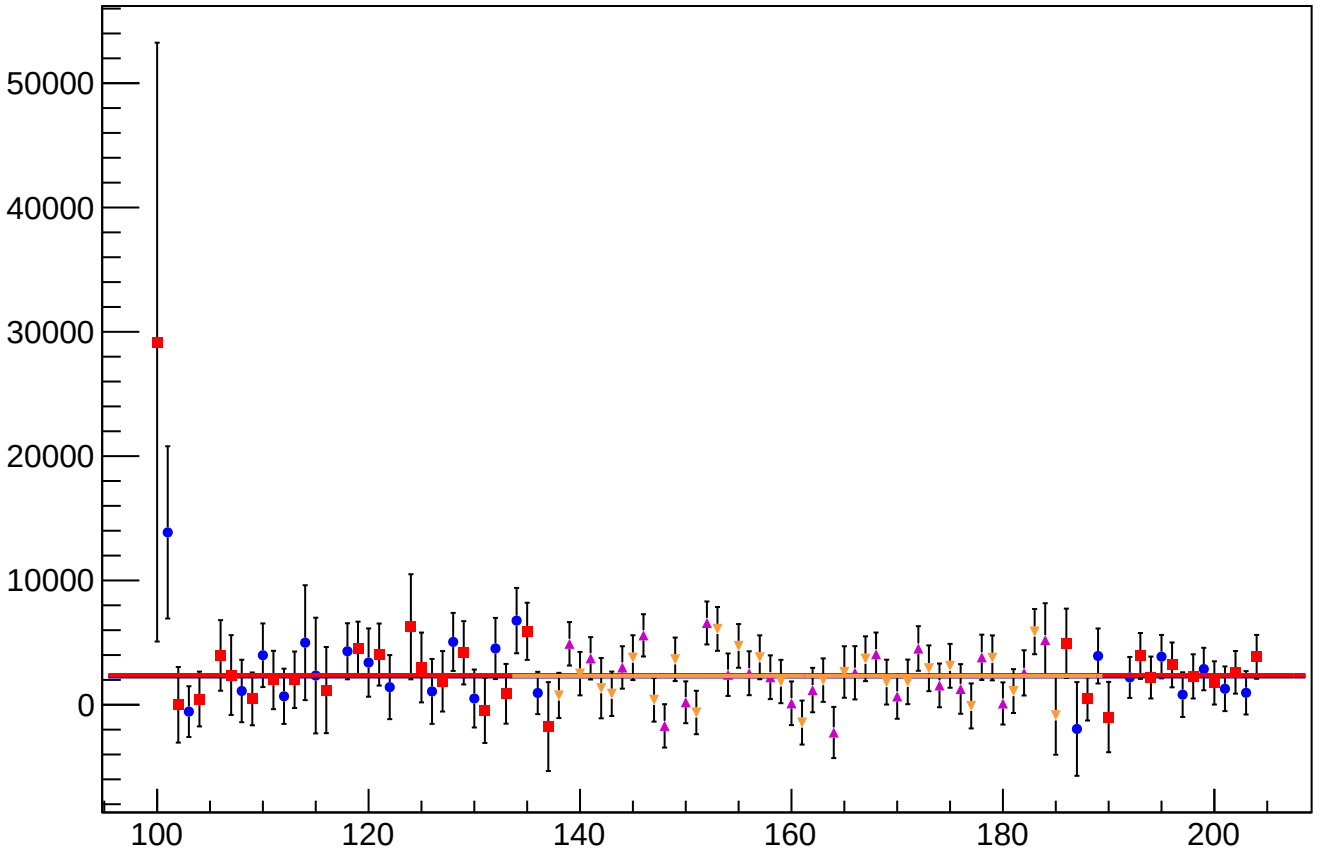
Left: 972.987+/-0.115 χ^2/NDF: 3236355.9/47

Right: 1023.381+/-0.152 χ^2/NDF: 9901056.0/52

In: 996.775+/-0.132 χ^2/NDF:5751821.1/46

Out: 986.534+/-0.127 χ^2/NDF:7452519.2/53

All: 991.447+/-0.092 χ^2/NDF: 13207449.8/10



Right In: 2272.735+/-457.423 χ^2/NDF: 18.2/23

Left Out: 2321.025+/-366.301 χ^2/NDF:27.5/24

Right Out: 2393.516+/-424.941 χ^2/NDF: 17.3/28

Left In: 2370.700+/-376.798 χ^2/NDF:33.7/22

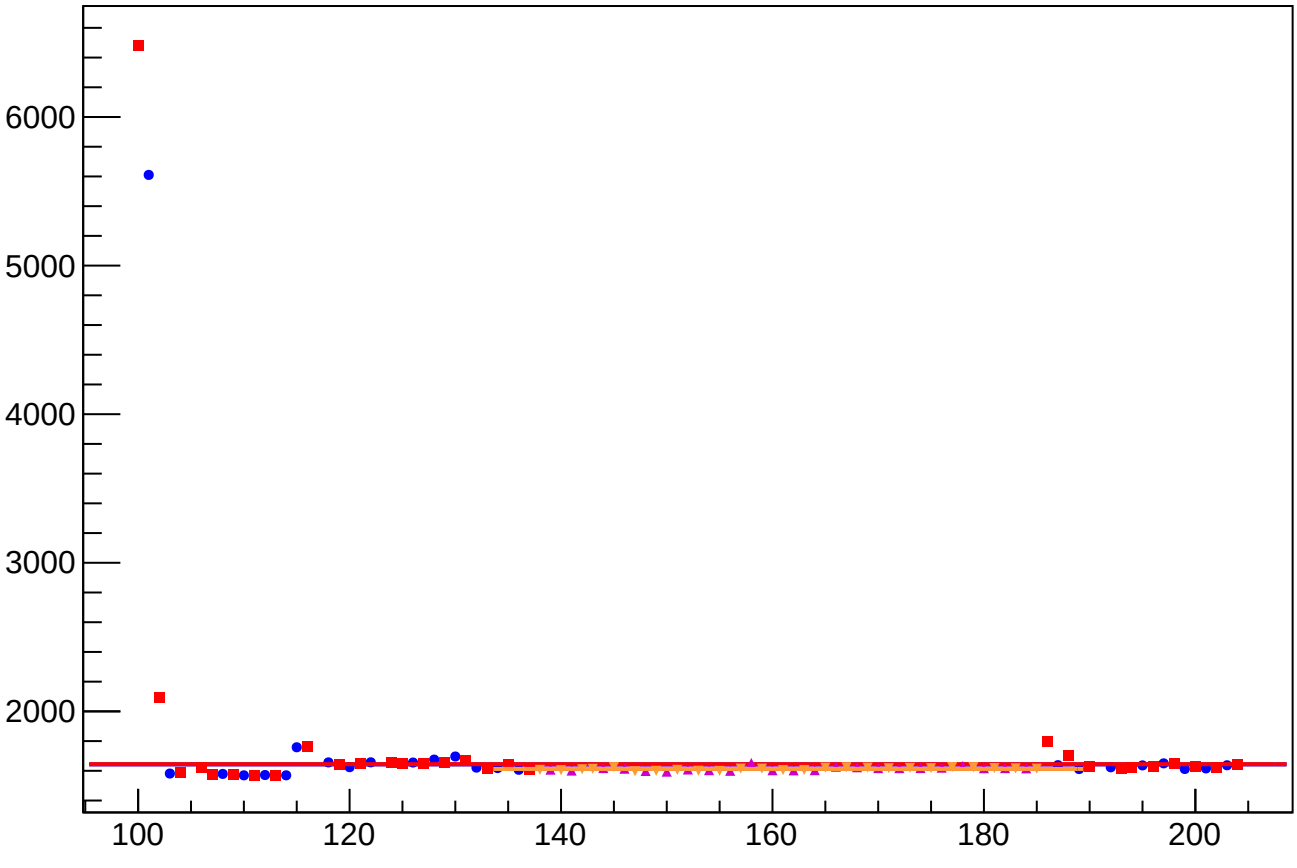
Left: 2345.161+/-262.646 χ^2/NDF: 61.2/47

Right: 2337.566+/-311.329 χ^2/NDF: 35.6/52

In: 2331.098+/-290.832 χ^2/NDF:52.0/46

Out: 2351.927+/-277.449 χ^2/NDF:44.8/53

All: 2342.003+/-200.750 χ^2/NDF: 96.8/100



Right In: 1643.014+/-0.323 χ^2/NDF: 669005.3/23

Left Out: 1612.607+/-0.259 χ^2/NDF:1172.5/24

Right Out: 1644.720+/-0.300 χ^2/NDF: 145935.1/28

Left In: 1613.793+/-0.266 χ^2/NDF:2354.6/22

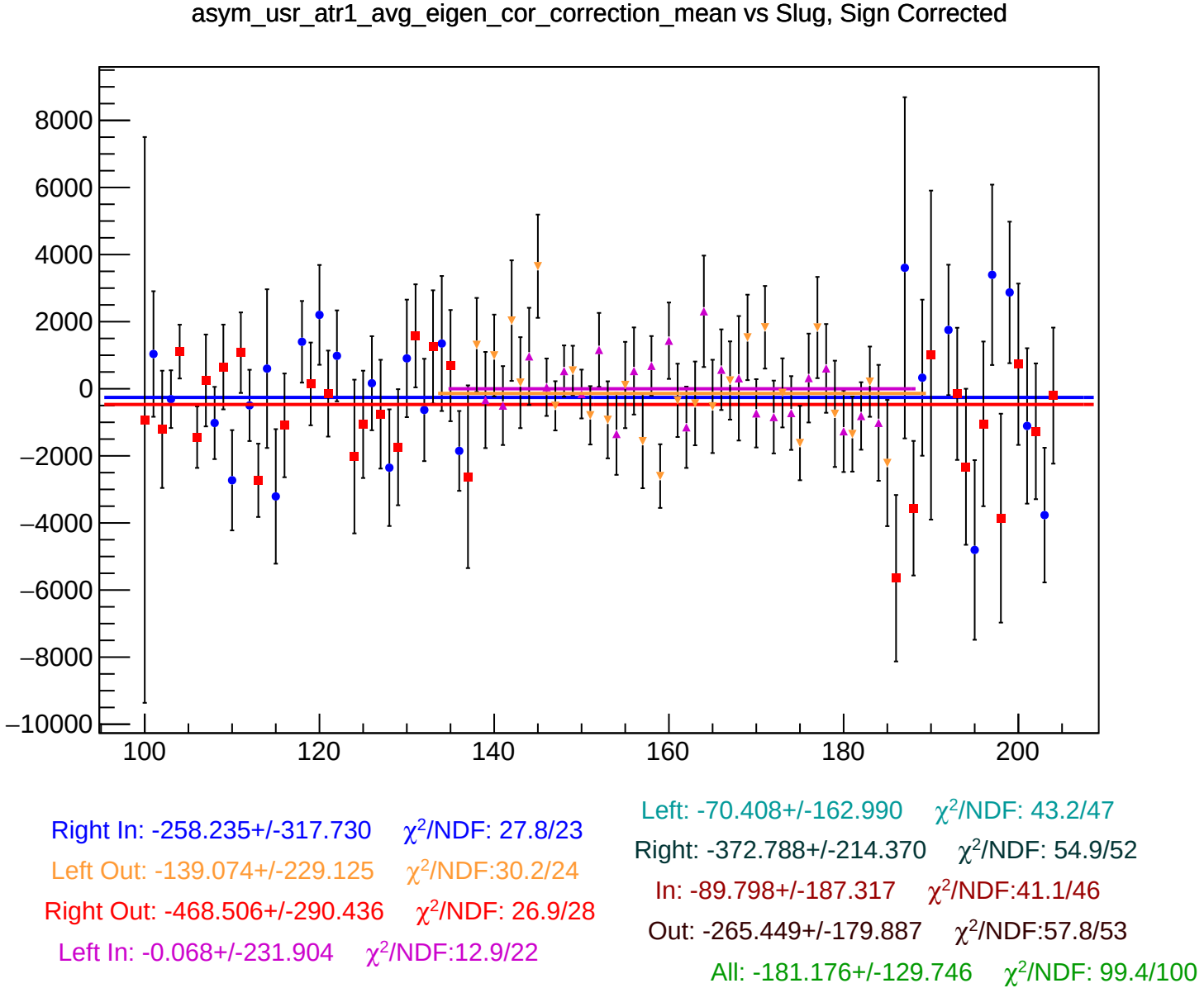
Left: 1613.184+/-0.186 χ^2/NDF: 3537.3/47

Right: 1643.930+/-0.220 χ^2/NDF: 814955.4/52

In: 1625.605+/-0.206 χ^2/NDF:676222.2/46

Out: 1626.297+/-0.196 χ^2/NDF:153660.3/53

All: 1625.967+/-0.142 χ^2/NDF: 829888.4/100


asym_usr_atr1_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
8000
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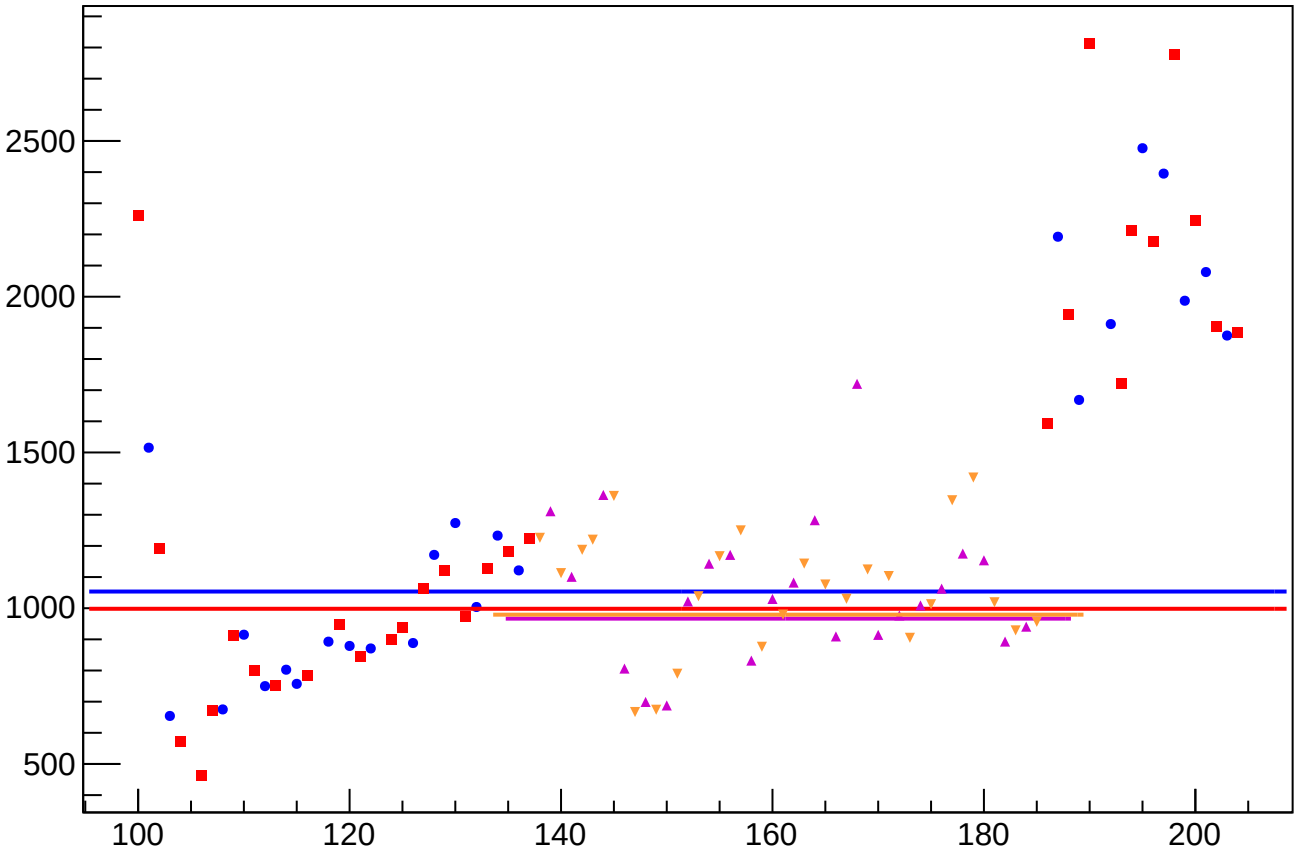
Right In: -258.235+/-317.730 χ²/NDF: 27.8/23
Left Out: -139.074+/-229.125 χ²/NDF:30.2/24
Right Out: -468.506+/-290.436 χ²/NDF: 26.9/28
Left In: -0.068+/-231.904 χ²/NDF:12.9/22
Left: -70.408+/-162.990 χ²/NDF: 43.2/47
Right: -372.788+/-214.370 χ²/NDF: 54.9/52
In: -89.798+/-187.317 χ²/NDF:41.1/46
Out: -265.449+/-179.887 χ²/NDF:57.8/53
All: -181.176+/-129.746 χ²/NDF: 99.4/100



Right In: 1053.545+/-0.225 χ^2/NDF: 4051393.9/23

Left Out: 979.288+/-0.162 χ^2/NDF:1630731.2/24

Right Out: 998.177+/-0.205 χ^2/NDF: 5816574.0/28

Left In: 966.531+/-0.164 χ^2/NDF:1602562.1/22

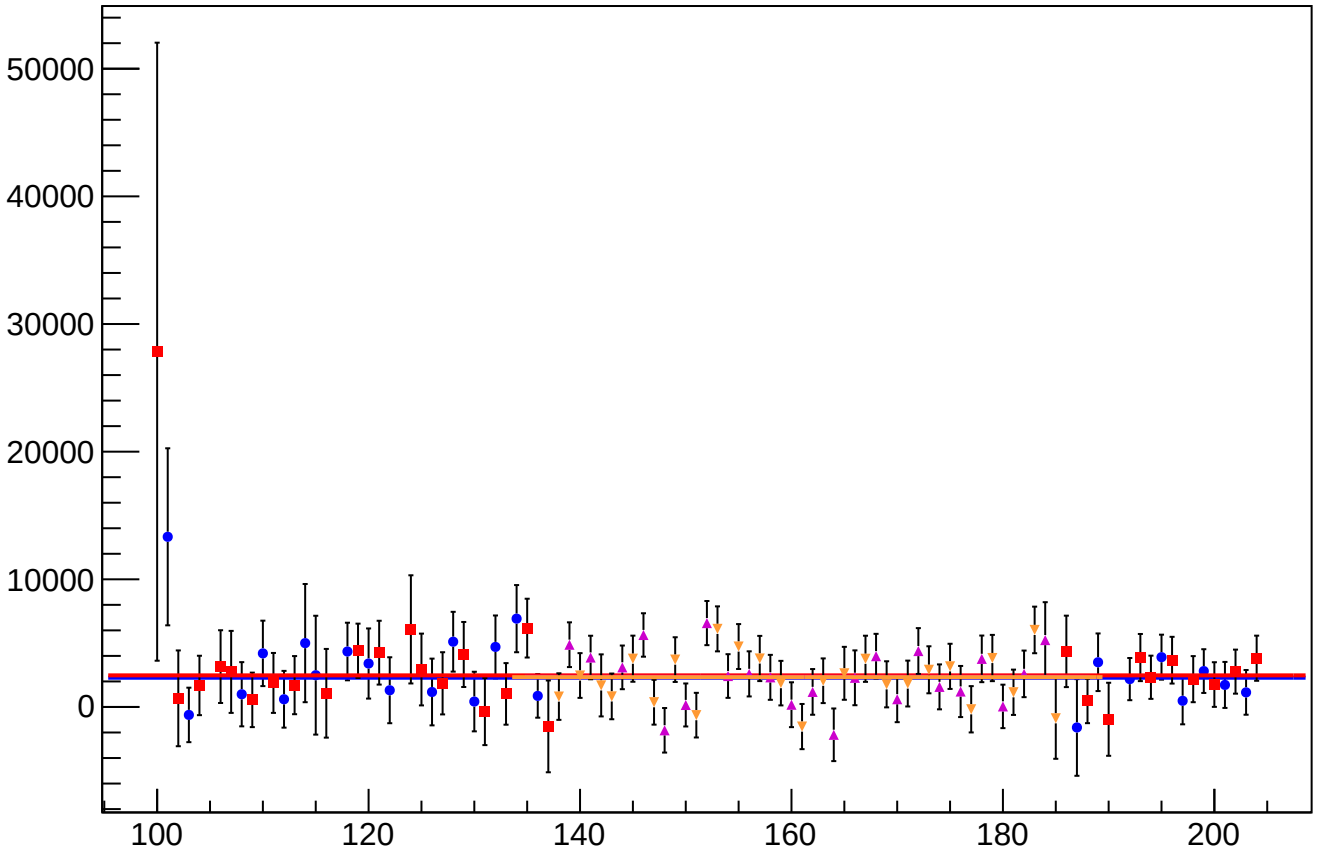
Left: 972.987+/-0.115 χ^2/NDF: 3236355.9/47

Right: 1023.381+/-0.152 χ^2/NDF: 9901056.0/52

In: 996.775+/-0.132 χ^2/NDF:5751821.1/46

Out: 986.534+/-0.127 χ^2/NDF:7452519.2/53

All: 991.447+/-0.092 χ^2/NDF: 13207449.8/10



Right In: 2291.112+/-460.640 χ^2/NDF: 18.1/23

Left Out: 2334.840+/-366.991 χ^2/NDF:28.3/24

Right Out: 2476.176+/-429.046 χ^2/NDF: 15.6/28

Left In: 2360.289+/-377.400 χ^2/NDF:34.0/22

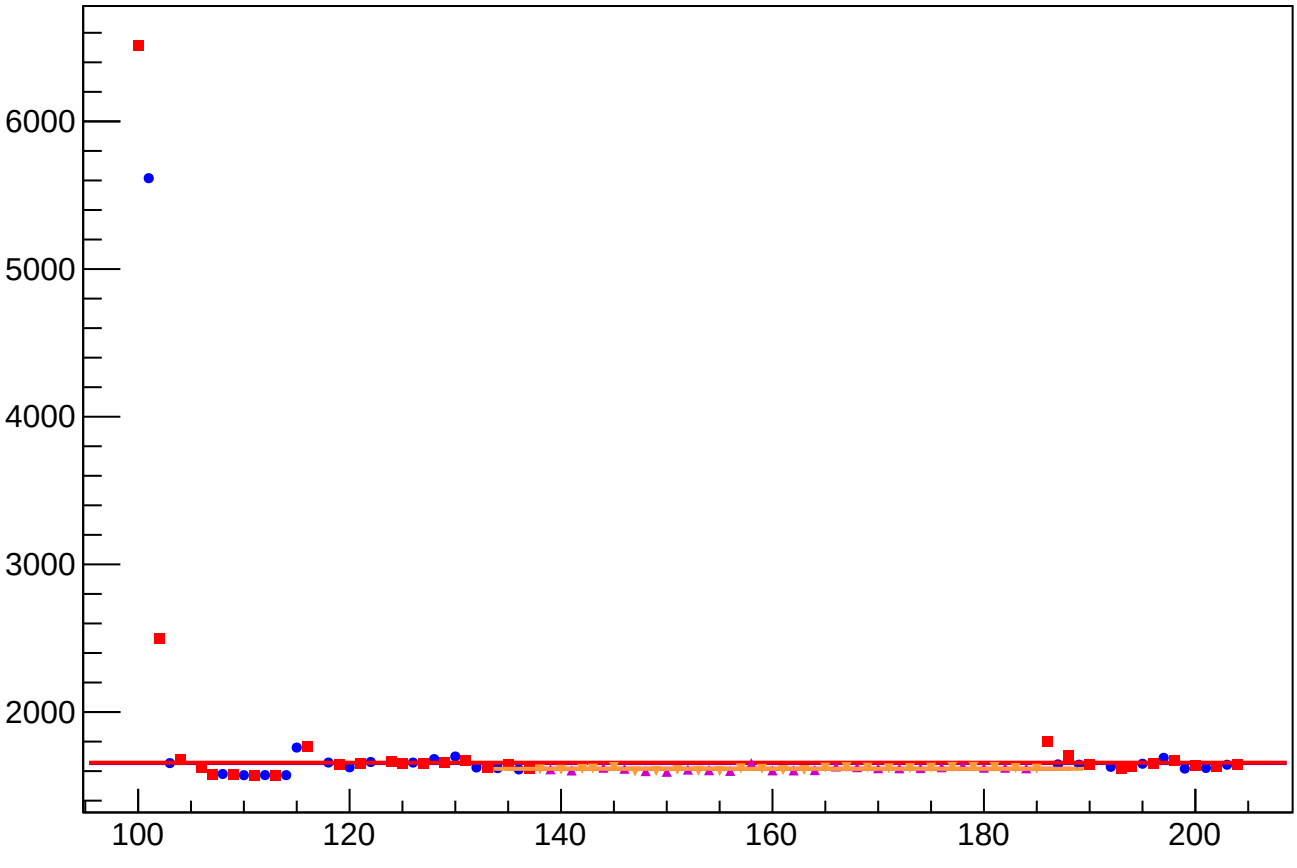
Left: 2347.209+/-263.105 χ^2/NDF: 62.3/47

Right: 2390.208+/-313.957 χ^2/NDF: 33.7/52

In: 2332.505+/-291.932 χ^2/NDF:52.1/46

Out: 2394.557+/-278.885 χ^2/NDF:43.9/53

All: 2364.948+/-201.656 χ^2/NDF: 96.0/100



Right In: 1654.473+/-0.326 χ^2/NDF: 666617.2/23

Left Out: 1615.633+/-0.260 χ^2/NDF:1447.2/24

Right Out: 1657.173+/-0.303 χ^2/NDF: 202535.2/28

Left In: 1616.361+/-0.267 χ^2/NDF:2557.7/22

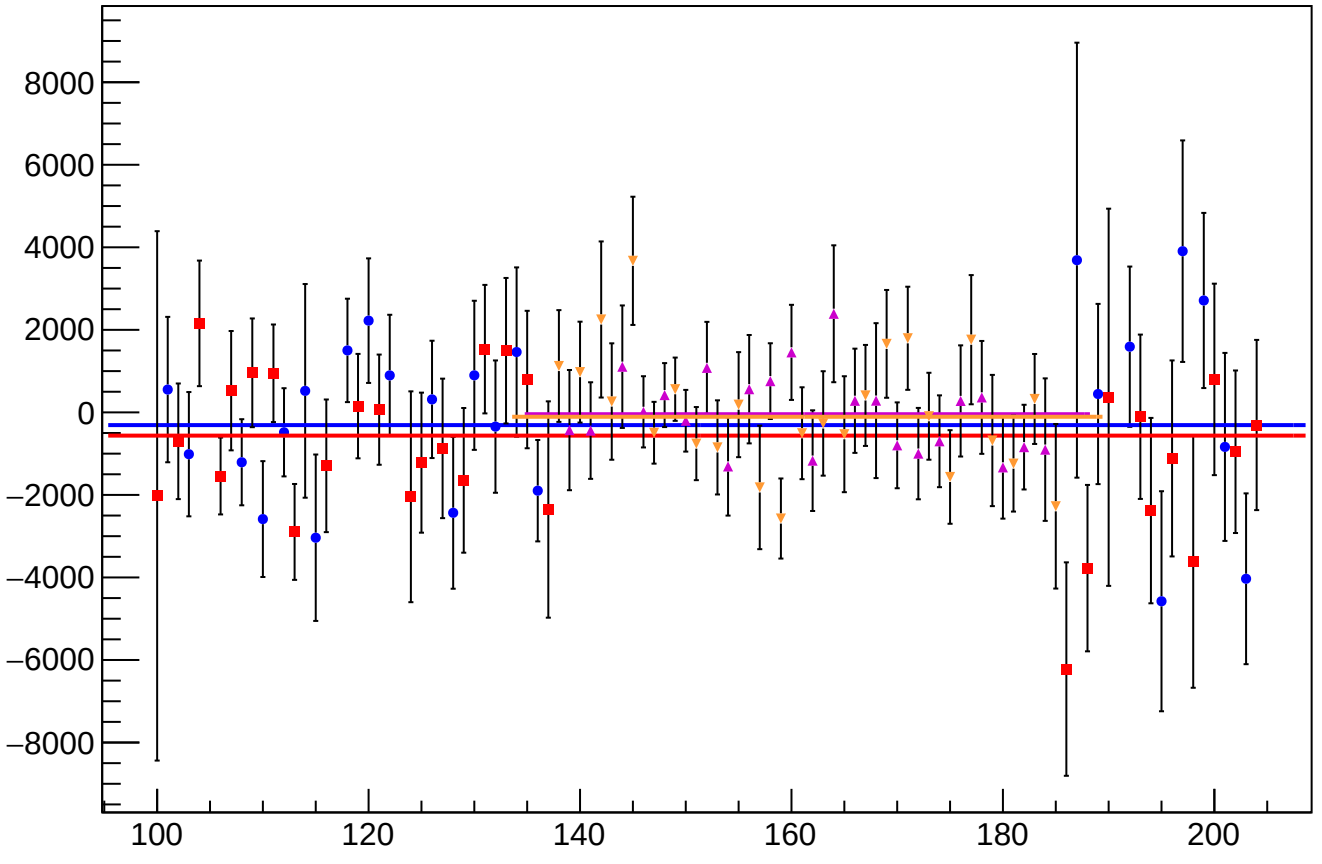
Left: 1615.987+/-0.186 χ^2/NDF: 4008.7/47

Right: 1655.919+/-0.222 χ^2/NDF: 869189.2/52

In: 1631.668+/-0.206 χ^2/NDF:677367.0/46

Out: 1633.184+/-0.197 χ^2/NDF:214809.0/53

All: 1632.461+/-0.143 χ^2/NDF: 892204.2/100



Right In: -308.319+/-336.619 χ^2/NDF: 27.8/23

Left Out: -106.338+/-234.306 χ^2/NDF:29.0/24

Right Out: -563.138+/-308.965 χ^2/NDF: 27.4/28

Left In: -44.469+/-235.733 χ^2/NDF:12.8/22

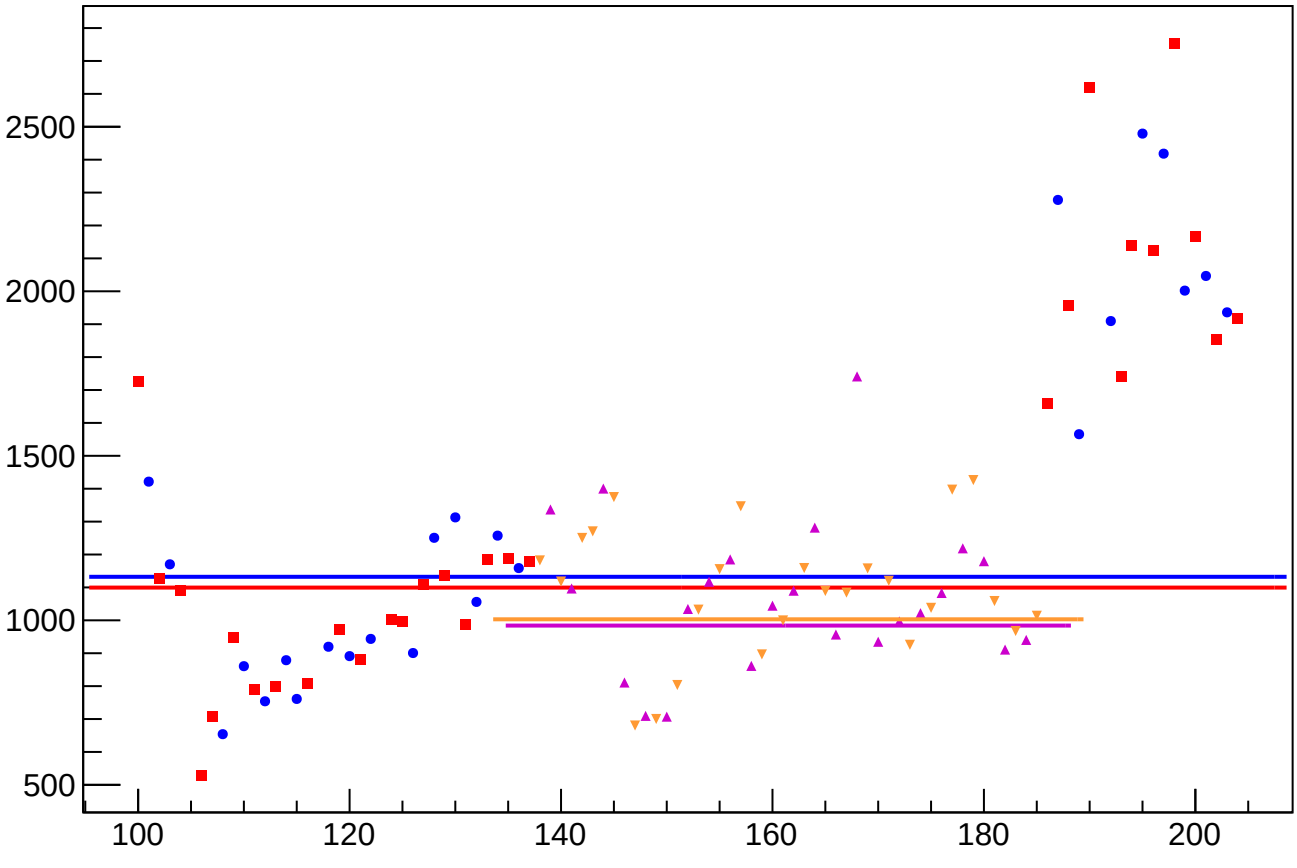
Left: -75.591+/-166.182 χ^2/NDF: 41.8/47

Right: -446.624+/-227.621 χ^2/NDF: 55.5/52

In: -131.287+/-193.093 χ^2/NDF:41.0/46

Out: -273.126+/-186.693 χ^2/NDF:57.8/53

All: -204.596+/-134.218 χ^2/NDF: 99.0/100


asym_usr_atr1_avg_dit_correction_rms vs Slug, Sign Corrected
2500
2000
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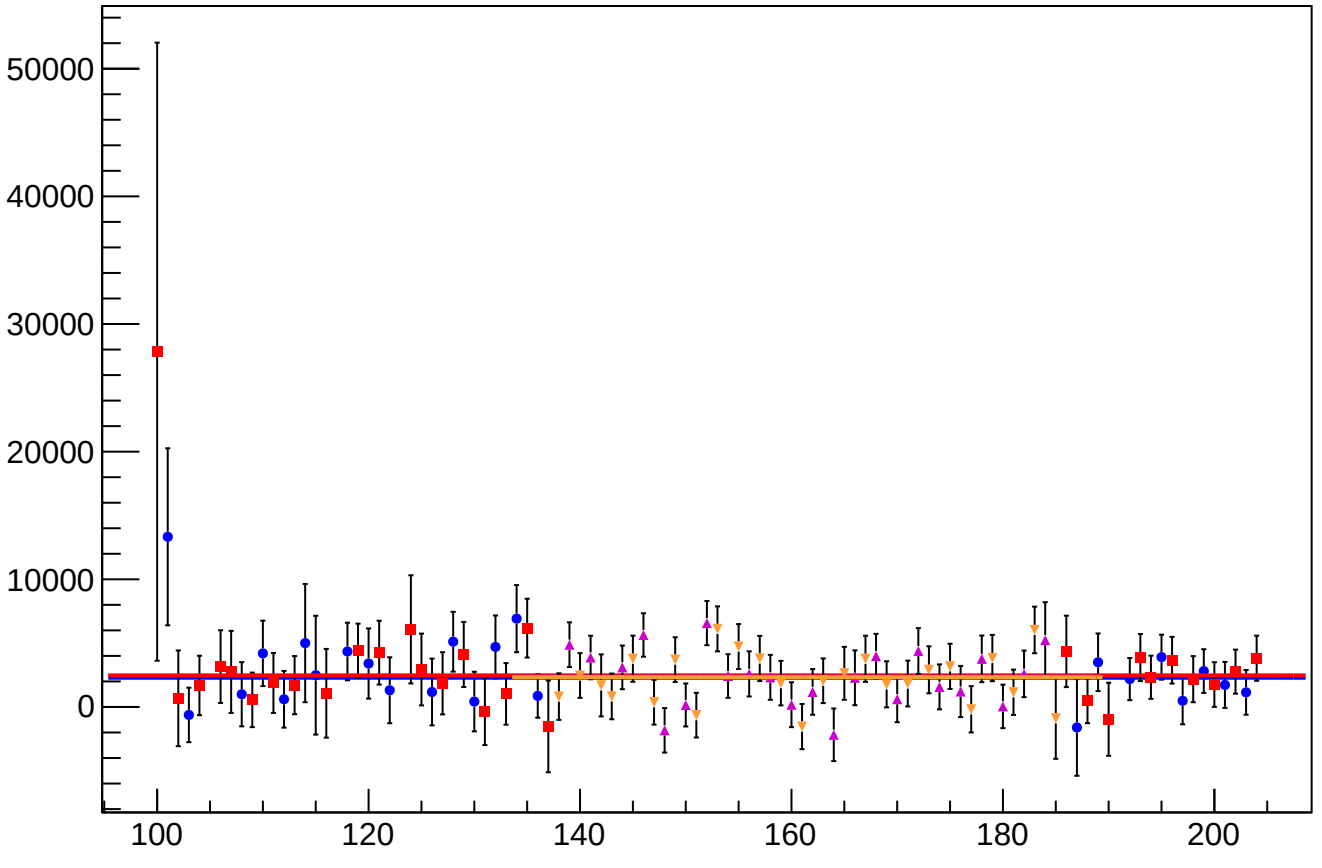
500
100
120
140
160
180
200
Right In: 1132.274+/-0.238 χ²/NDF: 3547244.8/23
Left Out: 1003.101+/-0.166 χ²/NDF:1598415.6/24
Right Out: 1099.512+/-0.218 χ²/NDF: 4690920.7/28
Left In: 984.053+/-0.167 χ²/NDF:1559561.5/22
Left: 993.635+/-0.118 χ²/NDF: 3164545.6/47
Right: 1114.492+/-0.161 χ²/NDF: 8248447.4/52
In: 1032.825+/-0.137 χ²/NDF:5366977.9/46
Out: 1038.303+/-0.132 χ²/NDF:6412976.5/53
All: 1035.656+/-0.095 χ²/NDF: 11780786.5/1



Right In: 2291.111+/-460.640 χ^2/NDF: 18.1/23

Left Out: 2334.839+/-366.991 χ^2/NDF:28.3/24

Right Out: 2476.174+/-429.046 χ^2/NDF: 15.6/28

Left In: 2360.289+/-377.400 χ^2/NDF:34.0/22

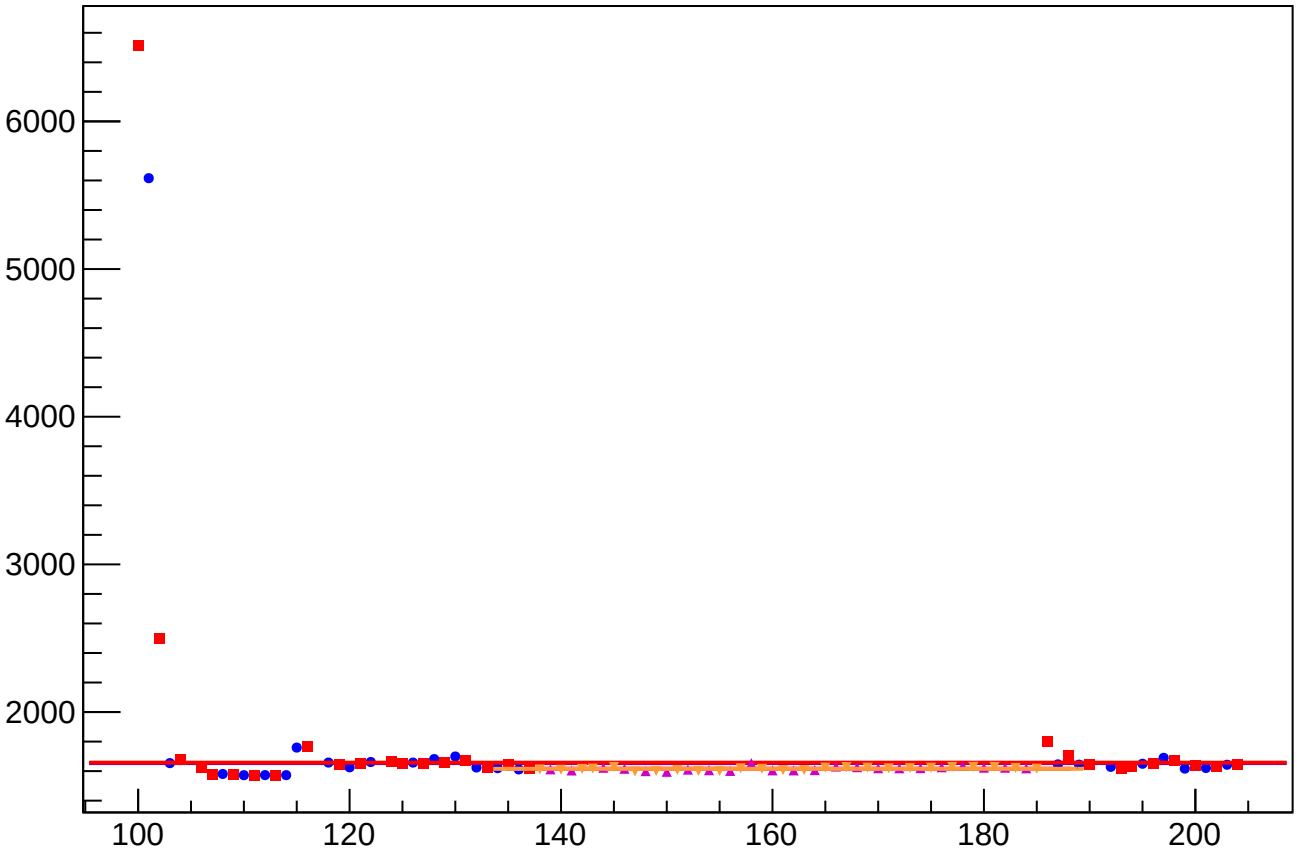
Left: 2347.208+/-263.105 χ^2/NDF: 62.3/47

Right: 2390.206+/-313.957 χ^2/NDF: 33.7/52

In: 2332.504+/-291.932 χ^2/NDF:52.1/46

Out: 2394.555+/-278.885 χ^2/NDF:43.9/53

All: 2364.947+/-201.656 χ^2/NDF: 96.0/100



Right In: 1654.473+/-0.326 χ^2/NDF: 666617.2/23

Left Out: 1615.633+/-0.260 χ^2/NDF:1447.2/24

Right Out: 1657.173+/-0.303 χ^2/NDF: 202535.1/28

Left In: 1616.361+/-0.267 χ^2/NDF:2557.7/22

Left: 1615.987+/-0.186 χ^2/NDF: 4008.7/47

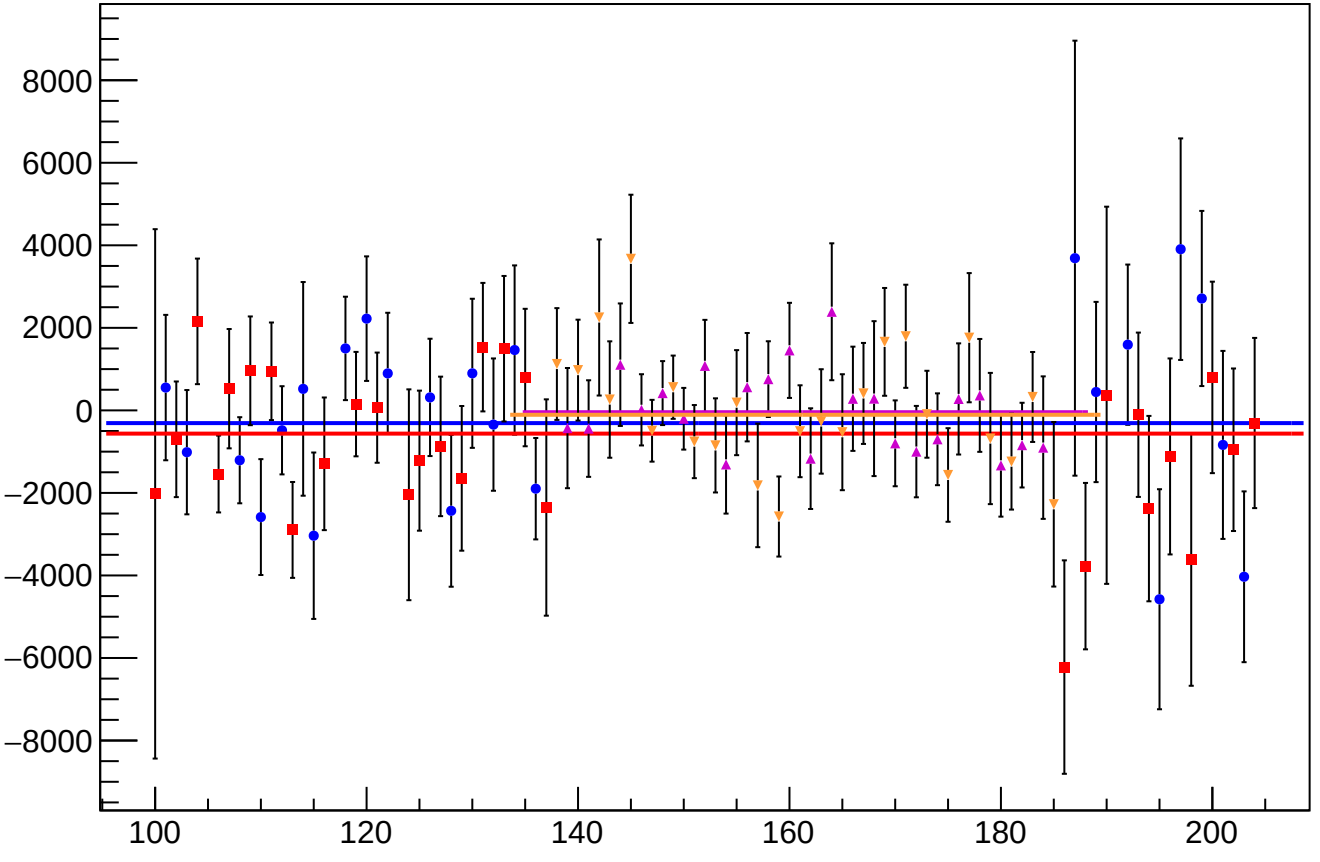
Right: 1655.919+/-0.222 χ^2/NDF: 869189.1/52

In: 1631.668+/-0.206 χ^2/NDF:677367.0/46

Out: 1633.184+/-0.197 χ^2/NDF:214808.8/53

All: 1632.461+/-0.143 χ^2/NDF: 892204.0/100

asym_usr_atr1_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -308.319+/-336.618 χ^2/NDF: 27.8/23

Left Out: -106.340+/-234.307 χ^2/NDF:29.0/24

Right Out: -563.136+/-308.964 χ^2/NDF: 27.4/28

Left In: -44.468+/-235.733 χ^2/NDF:12.8/22

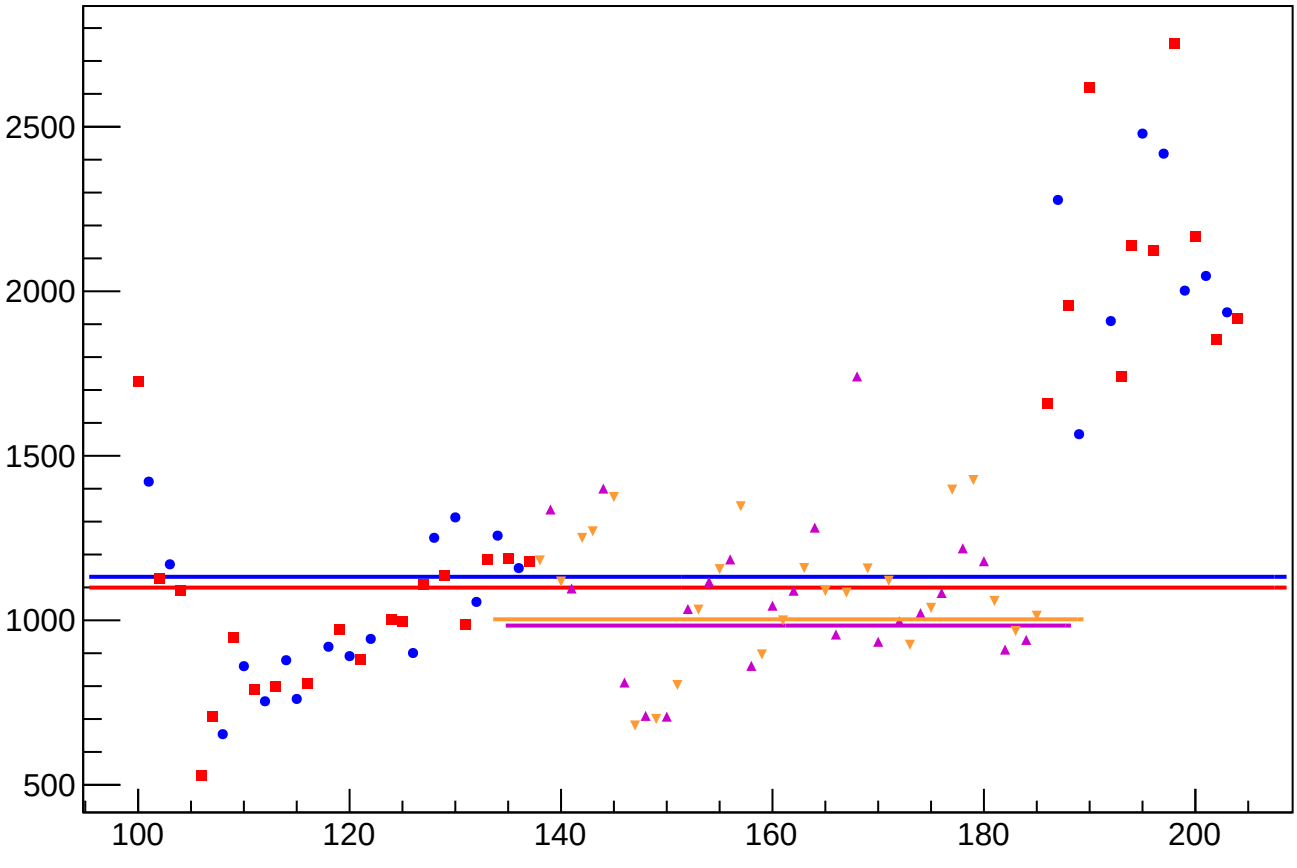
Left: -75.592+/-166.182 χ^2/NDF: 41.8/47

Right: -446.622+/-227.620 χ^2/NDF: 55.5/52

In: -131.288+/-193.093 χ^2/NDF:41.0/46

Out: -273.127+/-186.693 χ^2/NDF:57.8/53

All: -204.597+/-134.218 χ^2/NDF: 99.0/100


asym_usr_atr1_avg_eigen_dit_correction_rms vs Slug, Sign Corrected
2500
2000
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120
140
160
180
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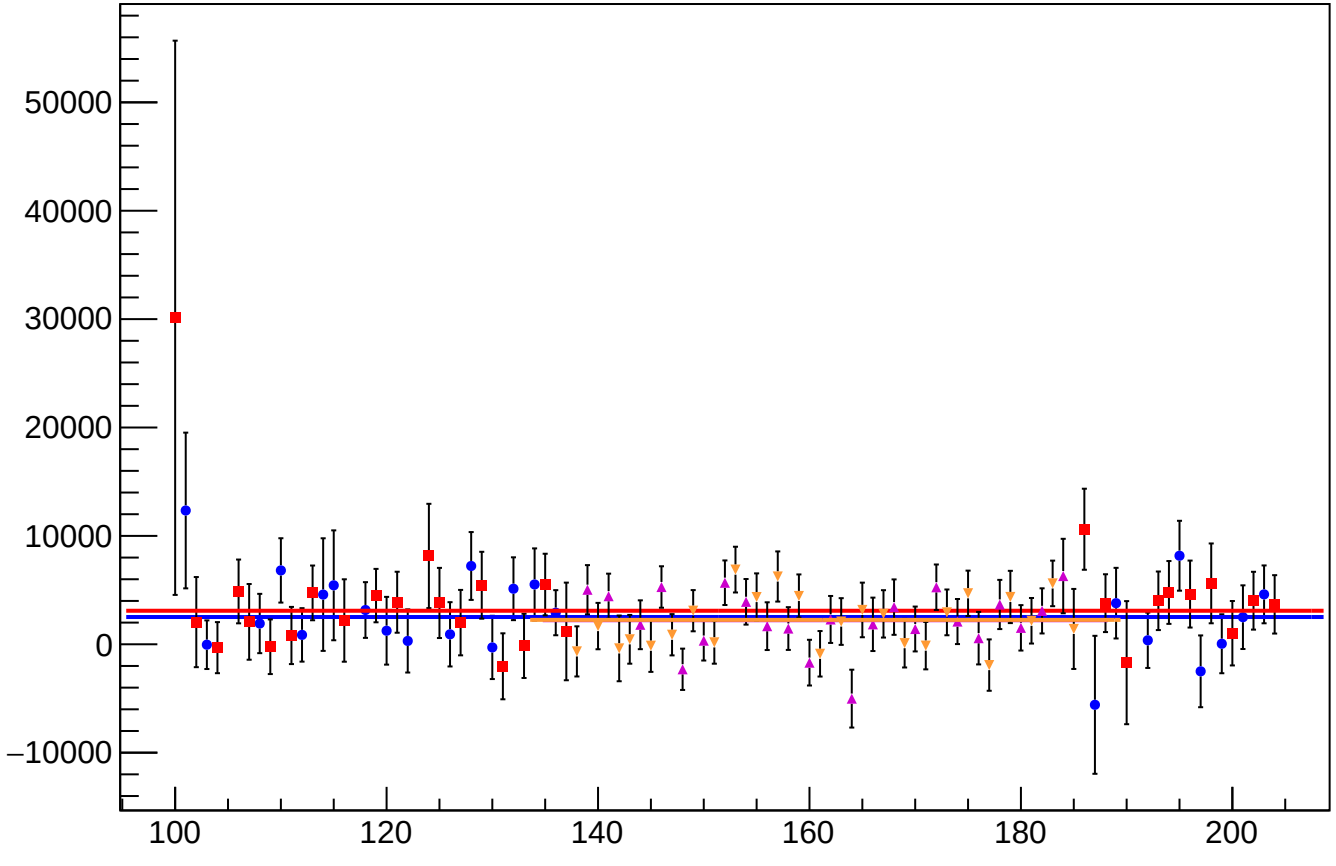
Right In: 1132.269+/-0.238 χ²/NDF: 3547285.1/23
Left Out: 1003.103+/-0.166 χ²/NDF:1598417.7/24
Right Out: 1099.509+/-0.218 χ²/NDF: 4690950.7/28
Left In: 984.055+/-0.167 χ²/NDF:1559563.7/22
Left: 993.637+/-0.118 χ²/NDF: 3164549.9/47
Right: 1114.489+/-0.161 χ²/NDF: 8248516.9/52
In: 1032.825+/-0.137 χ²/NDF:5366998.9/46
Out: 1038.303+/-0.132 χ²/NDF:6412995.6/53
All: 1035.656+/-0.095 χ²/NDF: 11780826.7/1

asym_usr_atr1_avg_mean vs Slug, Sign Corrected



Right In: 2515.149+/-608.393 χ^2/NDF: 21.5/23

Left Out: 2252.380+/-442.213 χ^2/NDF:28.3/24

Right Out: 3093.904+/-570.455 χ^2/NDF: 20.5/28

Left In: 2219.401+/-452.286 χ^2/NDF:31.5/22

Left: 2236.262+/-316.193 χ^2/NDF: 59.8/47

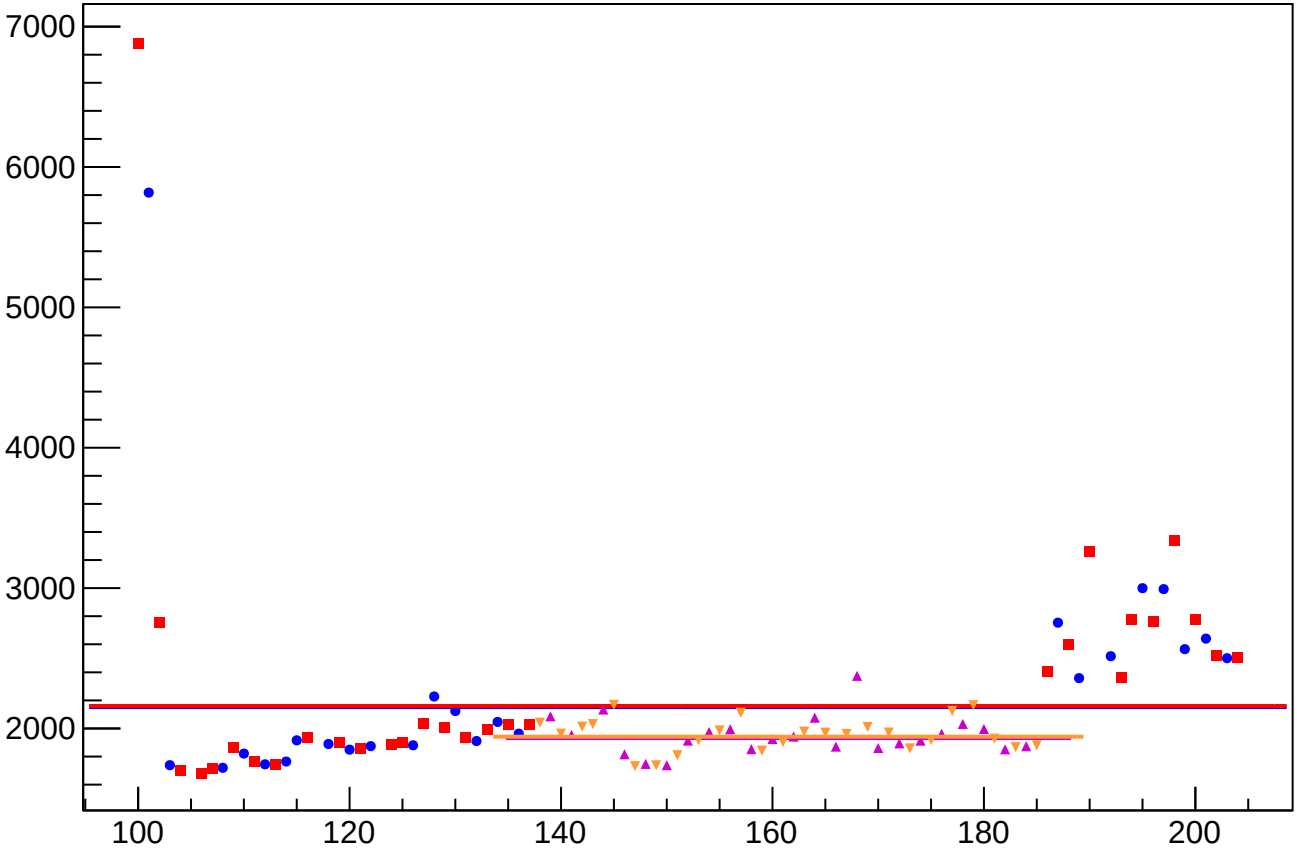
Right: 2823.134+/-416.139 χ^2/NDF: 42.5/52

In: 2324.670+/-362.974 χ^2/NDF:53.2/46

Out: 2568.255+/-349.499 χ^2/NDF:50.2/53

All: 2451.068+/-251.762 χ^2/NDF: 103.6/100

asym_usr_atr1_avg_rms vs Slug, Sign Corrected



Right In: 2152.401+/-0.430 χ^2/NDF: 1310668.7/23

Left Out: 1941.583+/-0.313 χ^2/NDF:139011.4/24

Right Out: 2160.285+/-0.403 χ^2/NDF: 1180989.6/28

Left In: 1931.812+/-0.320 χ^2/NDF:159877.0/22

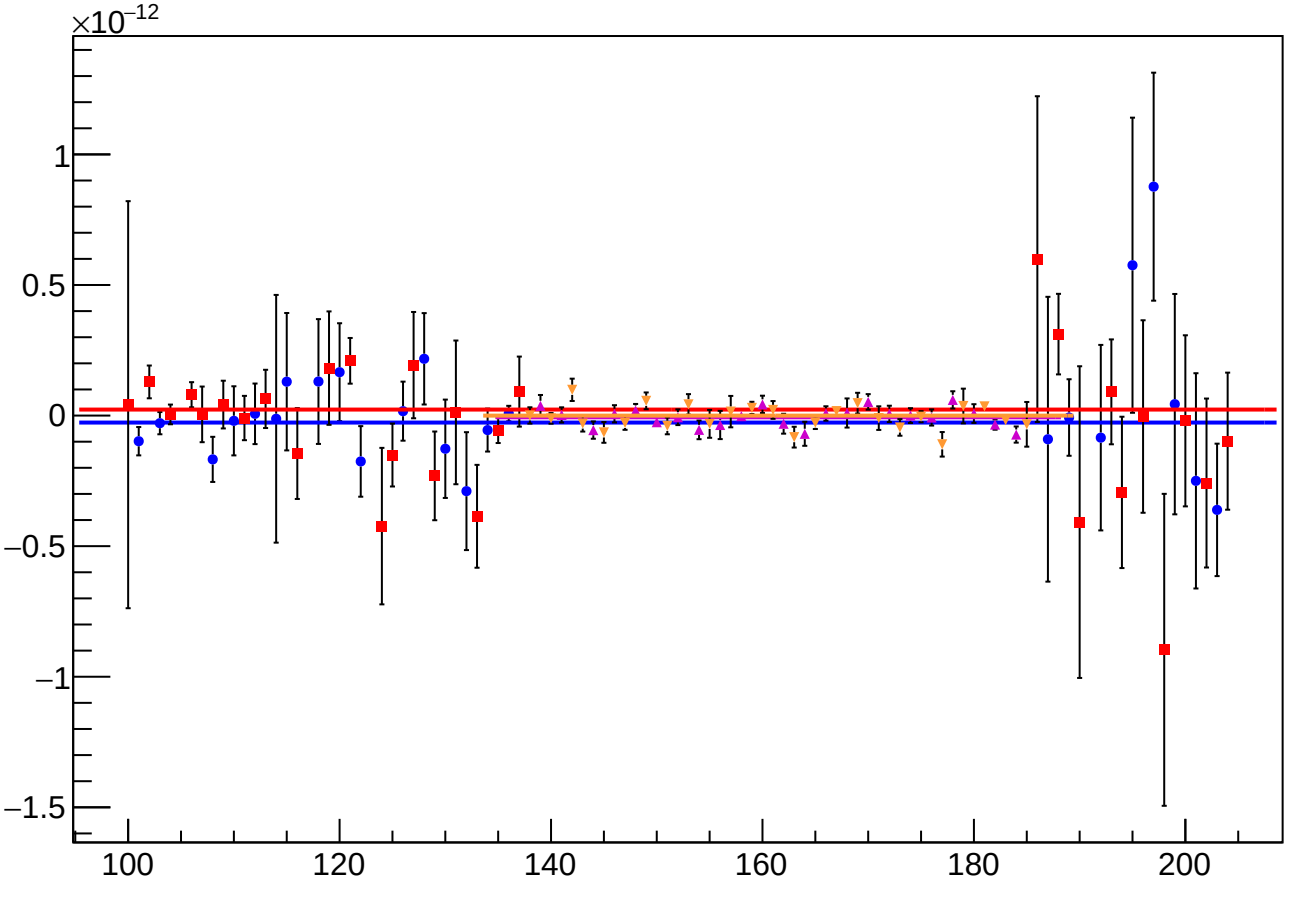
Left: 1936.808+/-0.224 χ^2/NDF: 299365.5/47

Right: 2156.597+/-0.294 χ^2/NDF: 2491837.0/52

In: 2010.330+/-0.257 χ^2/NDF:1639883.0/46

Out: 2023.675+/-0.247 χ^2/NDF:1503622.5/53

All: 2017.255+/-0.178 χ^2/NDF: 3144908.5/10



Right In: -0.000+/-0.000 χ^2/NDF: 20.3/23

Left Out: -0.000+/-0.000 χ^2/NDF:40.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 35.0/28

Left In: -0.000+/-0.000 χ^2/NDF:27.5/22

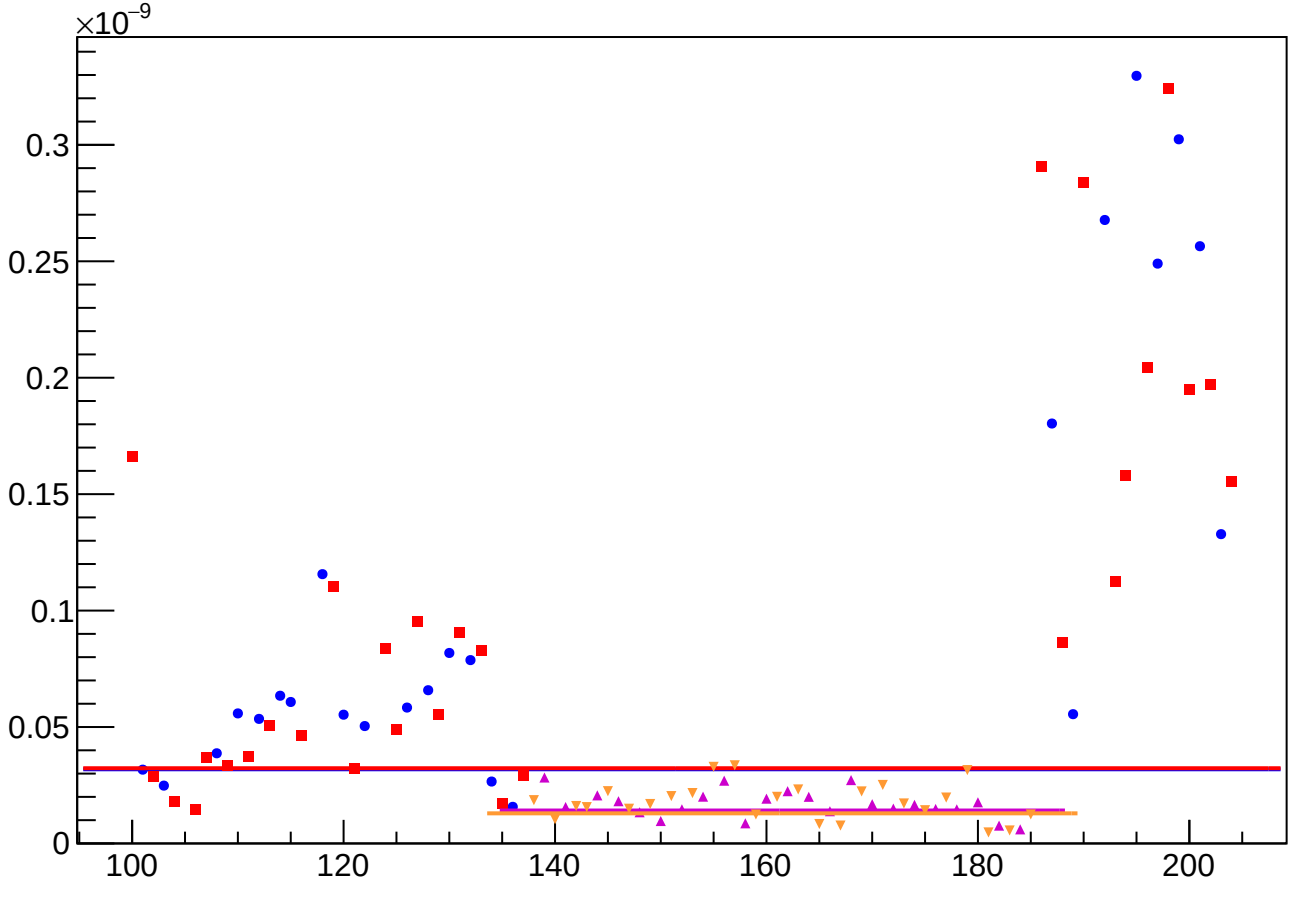
Left: -0.000+/-0.000 χ^2/NDF: 68.4/47

Right: -0.000+/-0.000 χ^2/NDF: 58.7/52

In: -0.000+/-0.000 χ^2/NDF:48.8/46

Out: 0.000+/-0.000 χ^2/NDF:76.7/53

All: -0.000+/-0.000 χ^2/NDF: 127.1/100



Right In: 0.000+/-0.000 χ^2/NDF: 5430437.3/23

Left Out: 0.000+/-0.000 χ^2/NDF:2826186.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5711508.6/28

Left In: 0.000+/-0.000 χ^2/NDF:1522273.8/22

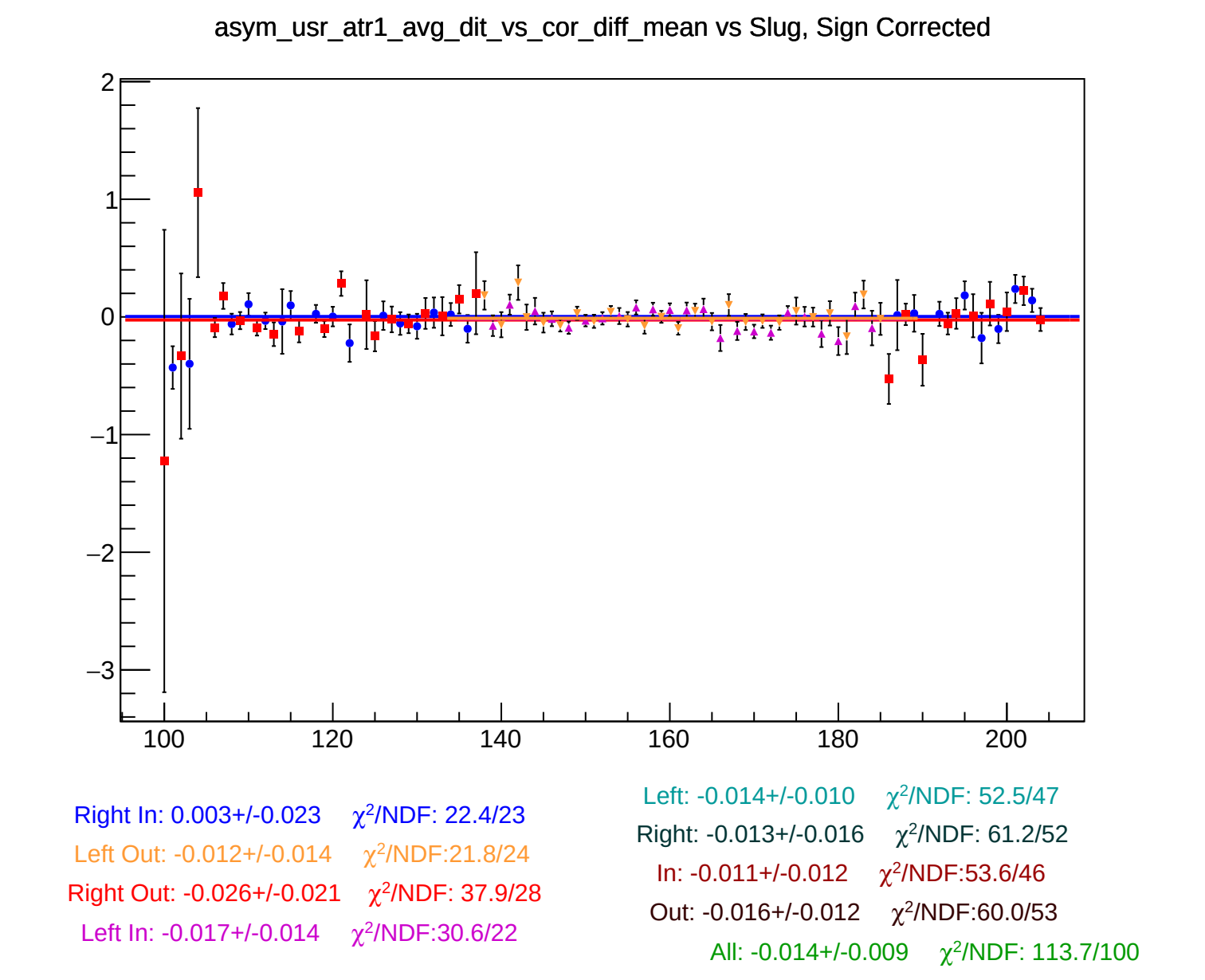
Left: 0.000+/-0.000 χ^2/NDF: 4390810.8/47

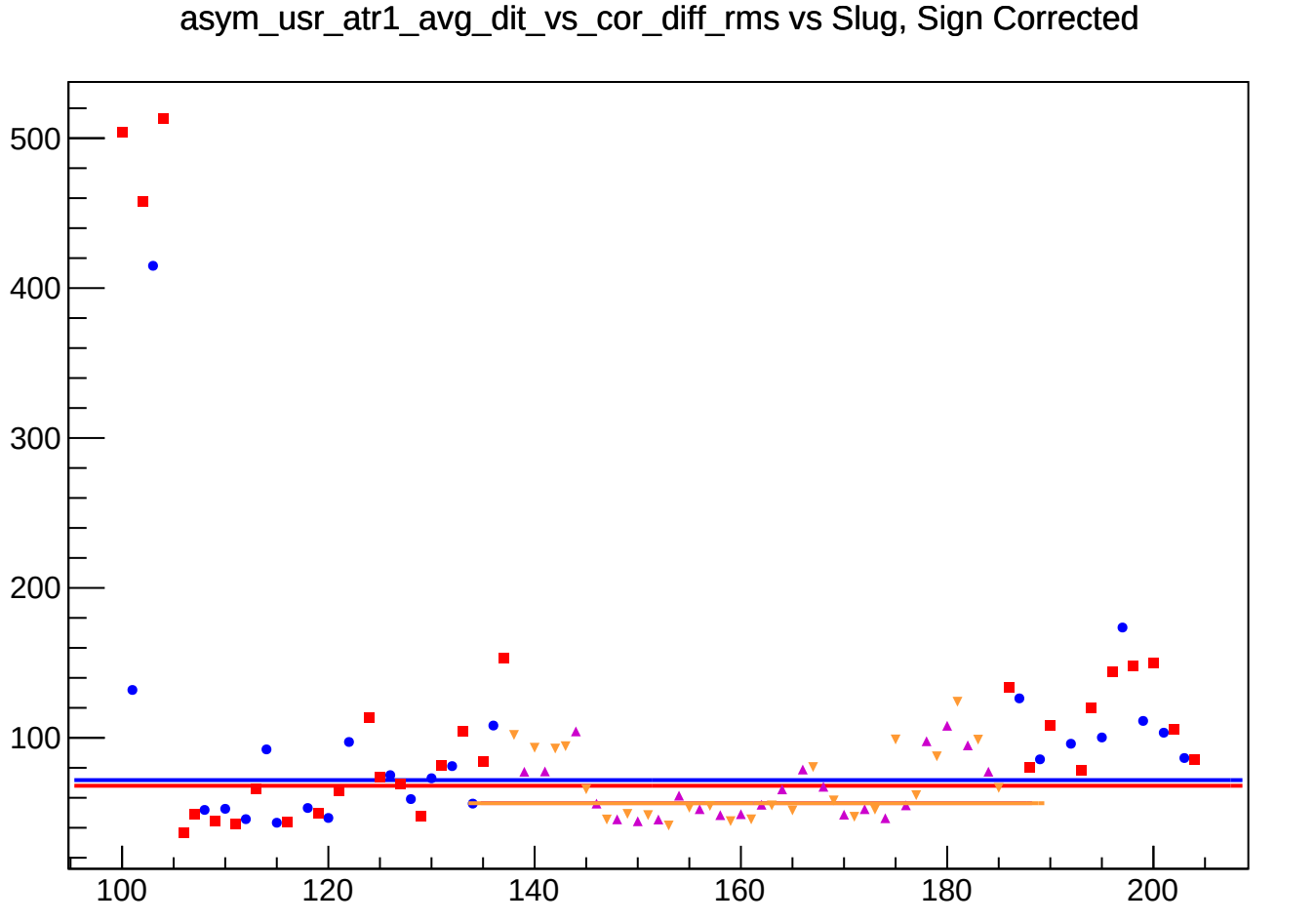
Right: 0.000+/-0.000 χ^2/NDF: 11142497.8/52

In: 0.000+/-0.000 χ^2/NDF:8552438.4/46

Out: 0.000+/-0.000 χ^2/NDF:10460519.8/53

All: 0.000+/-0.000 χ^2/NDF: 19066039.2/100


asym_usr_atr1_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected
2
1
0
−1
−2
−3
100
120
140
160
180
200
Right In: 0.003+/-0.023 χ²/NDF: 22.4/23
Left Out: -0.012+/-0.014 χ²/NDF:21.8/24
Right Out: -0.026+/-0.021 χ²/NDF: 37.9/28
Left In: -0.017+/-0.014 χ²/NDF:30.6/22
Left: -0.014+/-0.010 χ²/NDF: 52.5/47
Right: -0.013+/-0.016 χ²/NDF: 61.2/52
In: -0.011+/-0.012 χ²/NDF:53.6/46
Out: -0.016+/-0.012 χ²/NDF:60.0/53
All: -0.014+/-0.009 χ²/NDF: 113.7/100



Right In: 71.795+/-0.016 χ^2/NDF: 3369042.7/23

Left Out: 56.374+/-0.010 χ^2/NDF:2797305.0/24

Right Out: 68.017+/-0.015 χ^2/NDF: 5187533.1/28

Left In: 56.467+/-0.010 χ^2/NDF:2140078.8/22

Left: 56.420+/-0.007 χ^2/NDF: 4937425.9/47

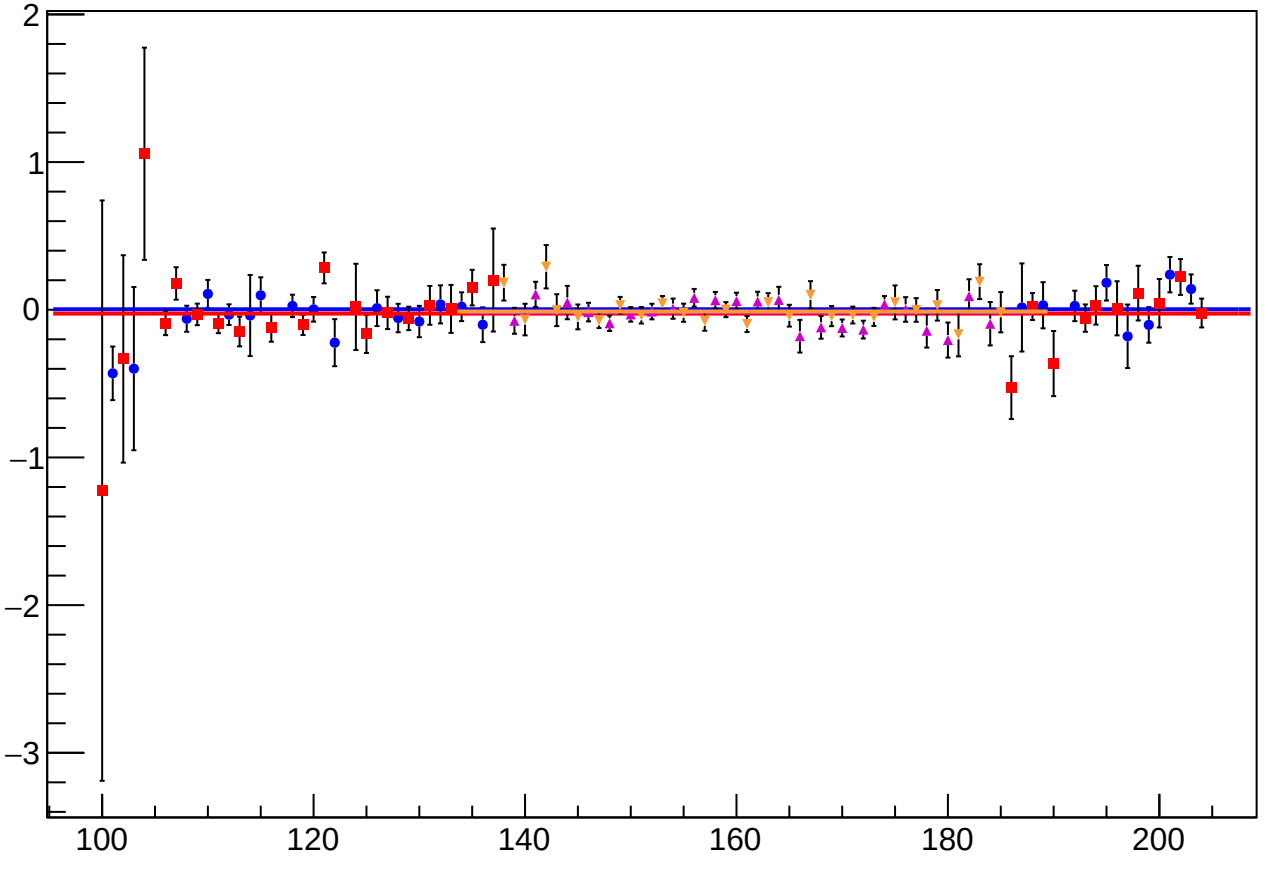
Right: 69.740+/-0.011 χ^2/NDF: 8586025.2/52

In: 60.830+/-0.009 χ^2/NDF:6146467.0/46

Out: 60.062+/-0.008 χ^2/NDF:8403854.4/53

All: 60.432+/-0.006 χ^2/NDF: 14554387.4/100

asym_usr_atr1_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.003+/-0.023 χ^2/NDF: 22.4/23

Left Out: -0.012+/-0.014 χ^2/NDF:21.8/24

Right Out: -0.026+/-0.021 χ^2/NDF: 37.9/28

Left In: -0.017+/-0.014 χ^2/NDF:30.6/22

Left: -0.014+/-0.010 χ^2/NDF: 52.5/47

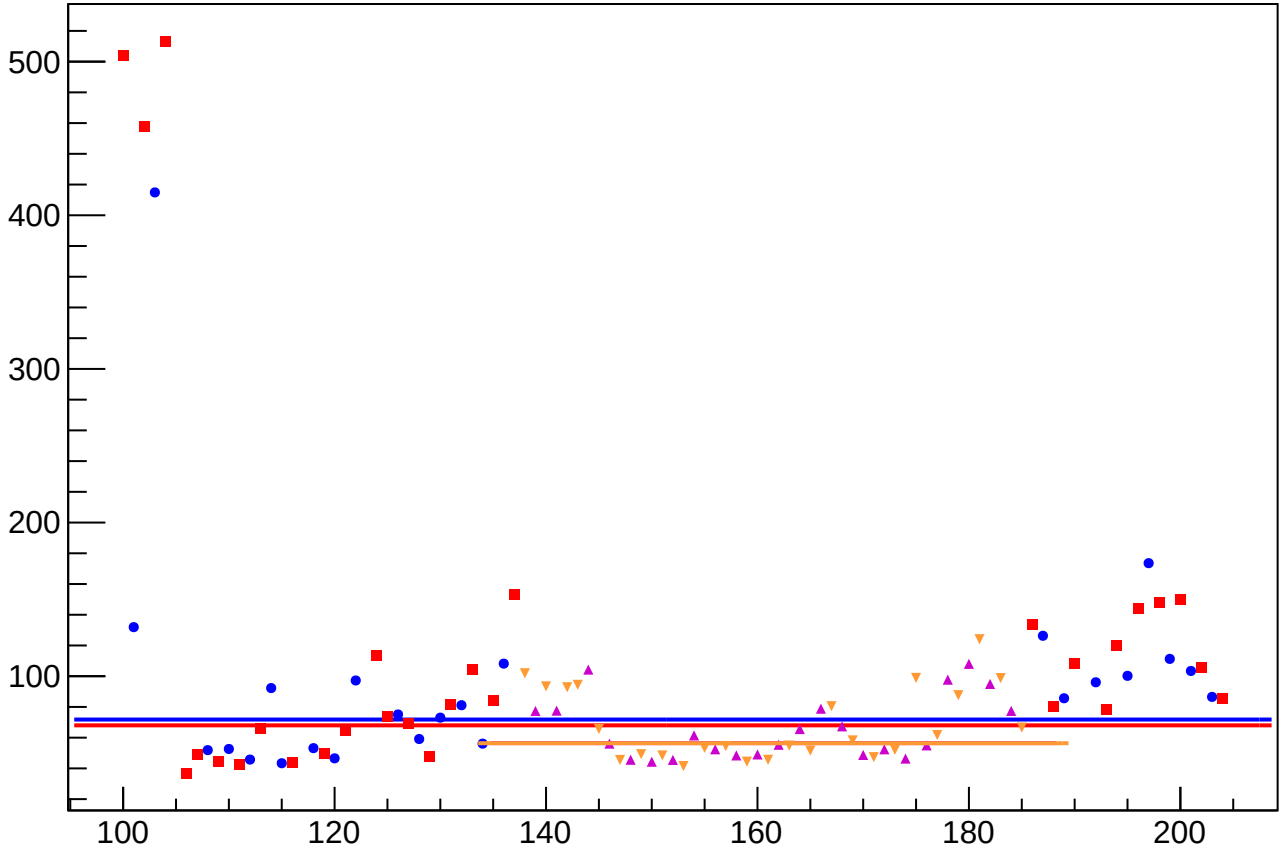
Right: -0.013+/-0.016 χ^2/NDF: 61.2/52

In: -0.011+/-0.012 χ^2/NDF:53.6/46

Out: -0.016+/-0.012 χ^2/NDF:60.0/53

All: -0.014+/-0.009 χ^2/NDF: 113.7/100

asym_usr_atr1_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 71.795+/-0.016 χ^2/NDF: 3369042.7/23

Left Out: 56.374+/-0.010 χ^2/NDF:2797305.0/24

Right Out: 68.017+/-0.015 χ^2/NDF: 5187533.1/28

Left In: 56.467+/-0.010 χ^2/NDF:2140078.8/22

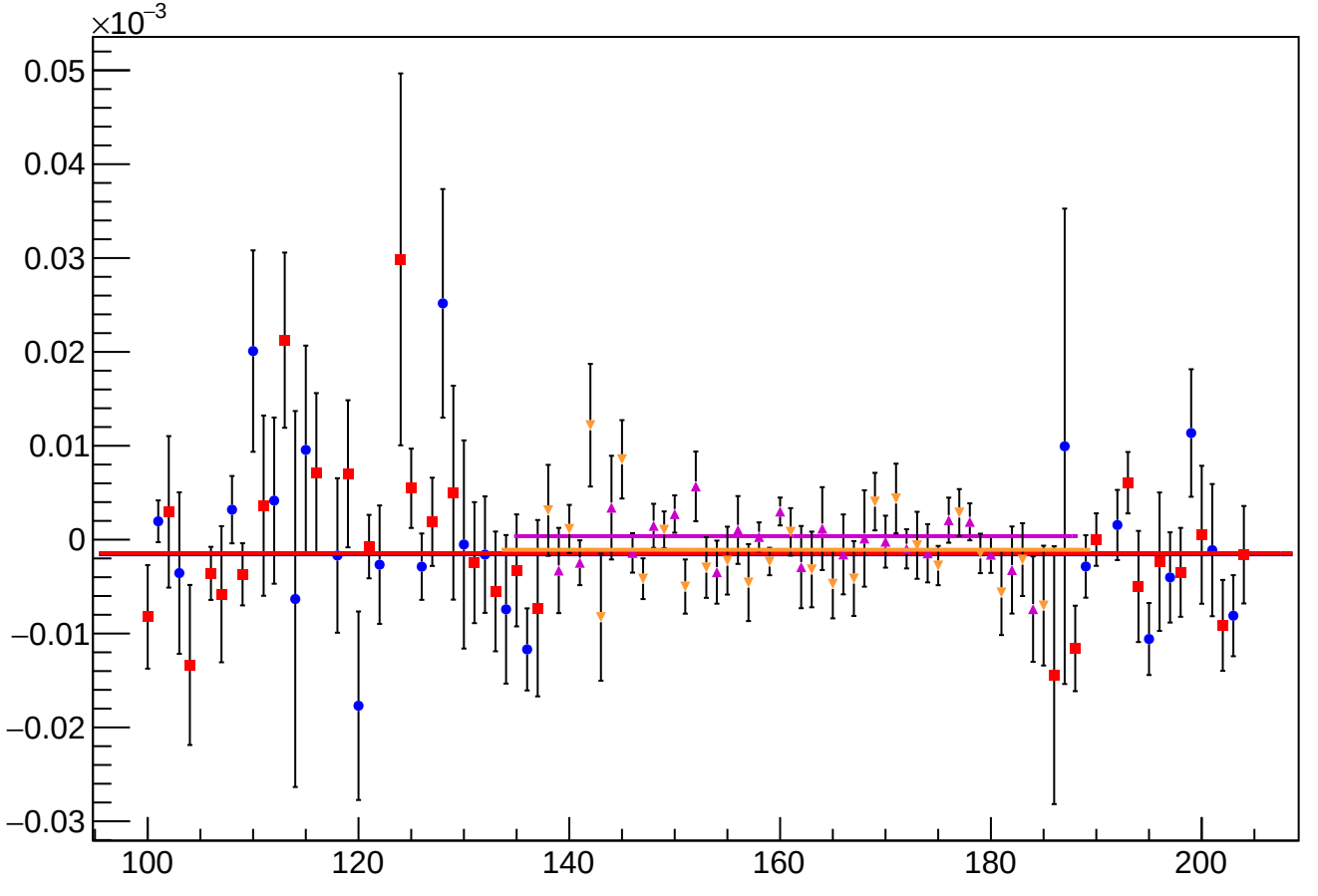
Left: 56.420+/-0.007 χ^2/NDF: 4937425.9/47

Right: 69.740+/-0.011 χ^2/NDF: 8586025.2/52

In: 60.830+/-0.009 χ^2/NDF:6146467.0/46

Out: 60.062+/-0.008 χ^2/NDF:8403854.4/53

All: 60.432+/-0.006 χ^2/NDF: 14554387.4/100



Right In: -0.000+/-0.000 χ^2/NDF: 36.1/23

Left Out: -0.000+/-0.000 χ^2/NDF:31.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 35.1/28

Left In: 0.000+/-0.000 χ^2/NDF:17.5/22

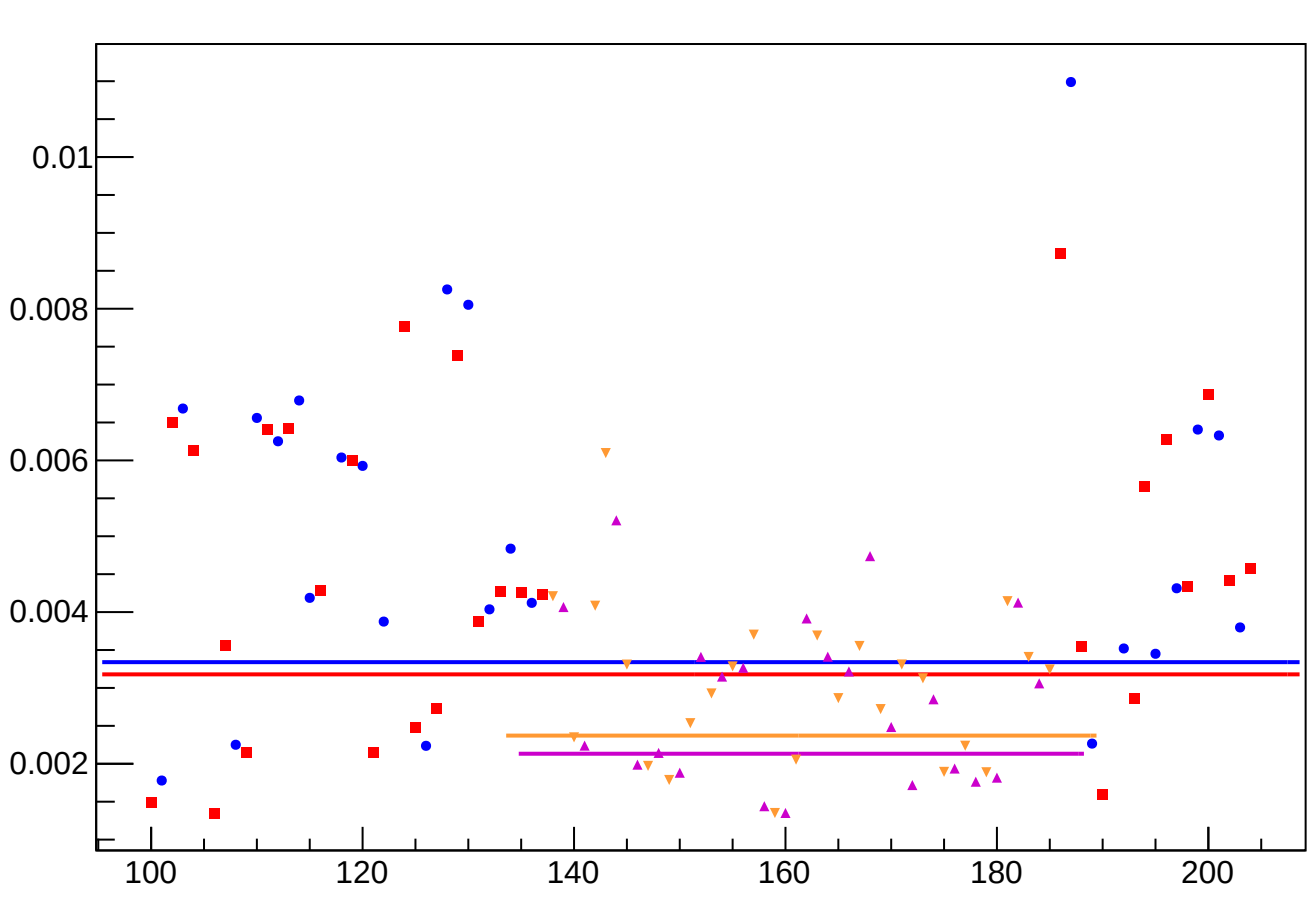
Left: -0.000+/-0.000 χ^2/NDF: 52.4/47

Right: -0.000+/-0.000 χ^2/NDF: 71.2/52

In: -0.000+/-0.000 χ^2/NDF:56.3/46

Out: -0.000+/-0.000 χ^2/NDF:66.7/53

All: -0.000+/-0.000 χ^2/NDF: 125.8/100



Right In: 0.003+/-0.000 χ^2/NDF: 4612811.1/23

Left Out: 0.002+/-0.000 χ^2/NDF:4161142.1/24

Right Out: 0.003+/-0.000 χ^2/NDF: 5985539.0/28

Left In: 0.002+/-0.000 χ^2/NDF:4521223.3/22

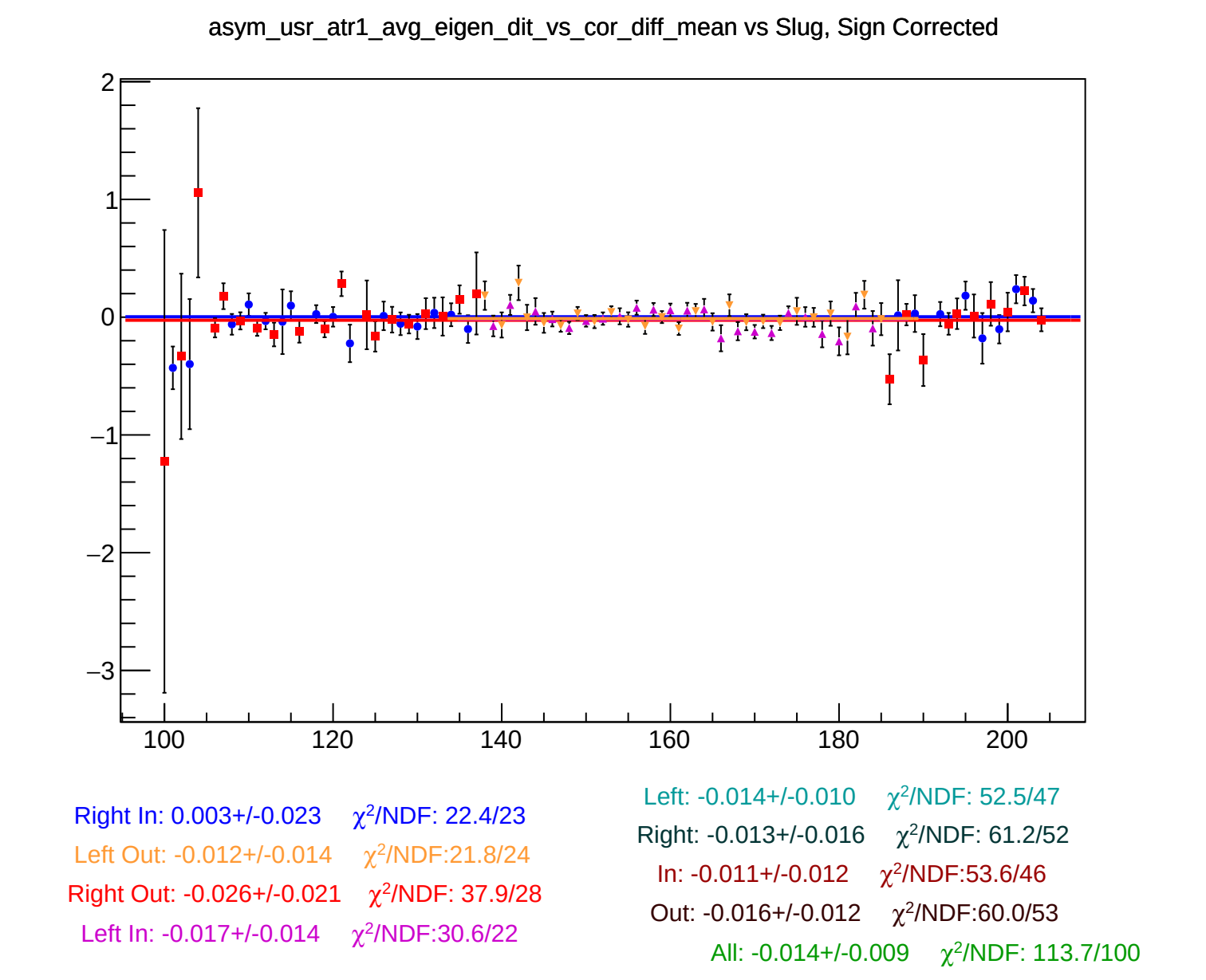
Left: 0.002+/-0.000 χ^2/NDF: 8864827.0/47

Right: 0.003+/-0.000 χ^2/NDF: 10624564.7/52

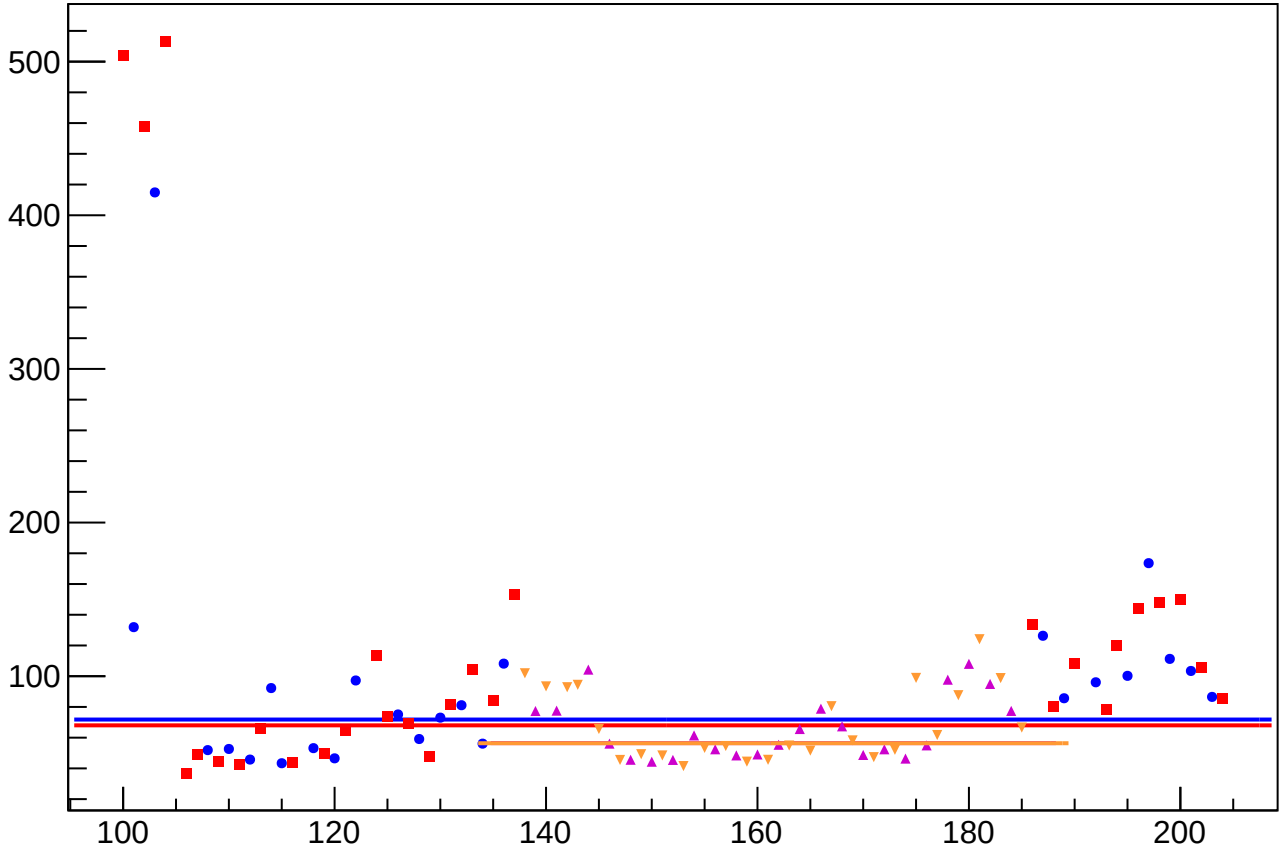
In: 0.002+/-0.000 χ^2/NDF:11279529.2/46

Out: 0.003+/-0.000 χ^2/NDF:11193207.8/53

All: 0.002+/-0.000 χ^2/NDF: 22644243.4/100


asym_usr_atr1_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
2
1
0
−1
−2
−3
100
120
140
160
180
200
Right In: 0.003+/-0.023 χ²/NDF: 22.4/23
Left Out: -0.012+/-0.014 χ²/NDF:21.8/24
Right Out: -0.026+/-0.021 χ²/NDF: 37.9/28
Left In: -0.017+/-0.014 χ²/NDF:30.6/22
Left: -0.014+/-0.010 χ²/NDF: 52.5/47
Right: -0.013+/-0.016 χ²/NDF: 61.2/52
In: -0.011+/-0.012 χ²/NDF:53.6/46
Out: -0.016+/-0.012 χ²/NDF:60.0/53
All: -0.014+/-0.009 χ²/NDF: 113.7/100

asym_usr_atr1_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 71.795+/-0.016 χ^2/NDF: 3369030.6/23

Left Out: 56.374+/-0.010 χ^2/NDF:2797380.0/24

Right Out: 68.016+/-0.015 χ^2/NDF: 5187572.7/28

Left In: 56.467+/-0.010 χ^2/NDF:2140063.7/22

Left: 56.420+/-0.007 χ^2/NDF: 4937485.7/47

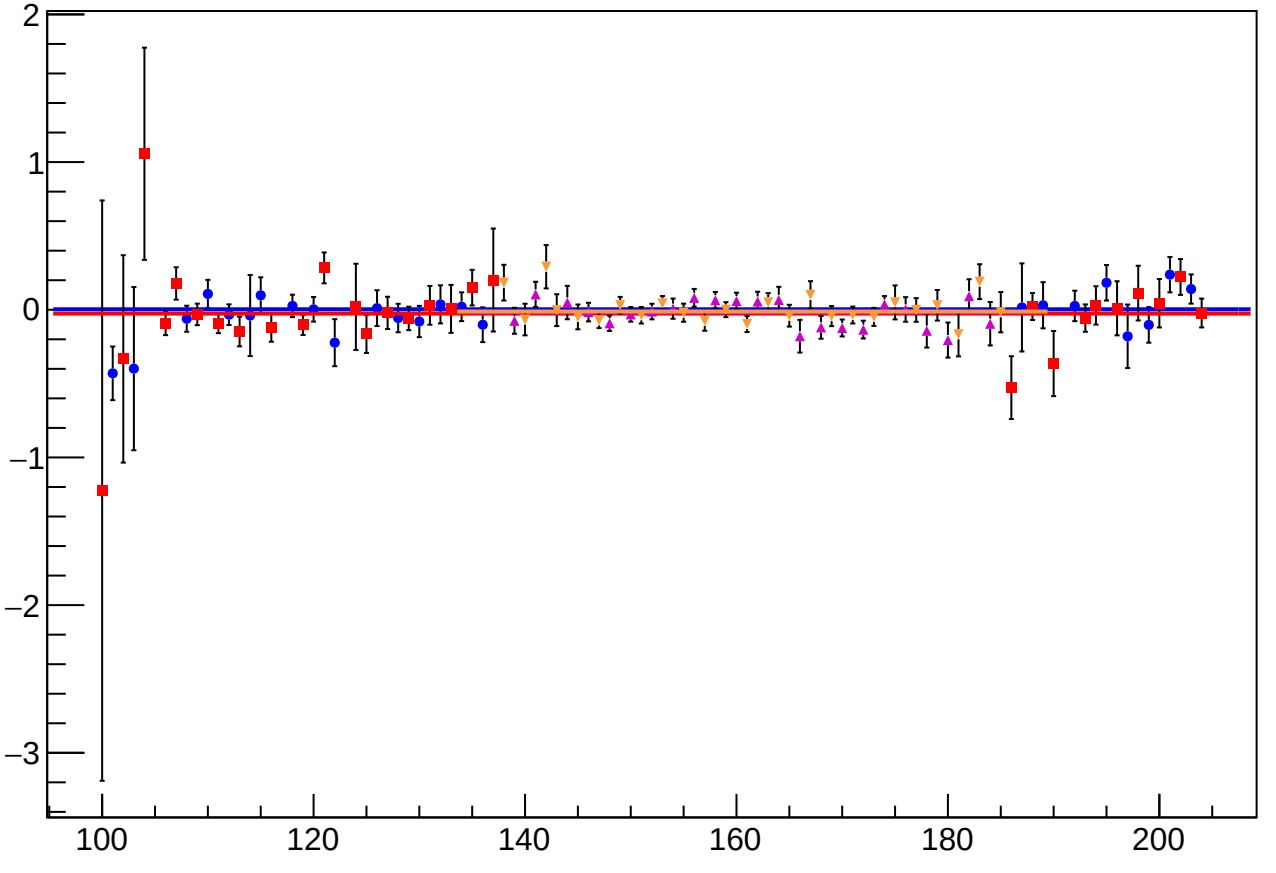
Right: 69.739+/-0.011 χ^2/NDF: 8586053.5/52

In: 60.830+/-0.009 χ^2/NDF:6146380.1/46

Out: 60.062+/-0.008 χ^2/NDF:8403908.9/53

All: 60.432+/-0.006 χ^2/NDF: 14554354.8/100

asym_usr_atr1_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.003+/-0.023 χ^2/NDF: 22.4/23

Left Out: -0.012+/-0.014 χ^2/NDF:21.8/24

Right Out: -0.026+/-0.021 χ^2/NDF: 37.9/28

Left In: -0.017+/-0.014 χ^2/NDF:30.6/22

Left: -0.014+/-0.010 χ^2/NDF: 52.5/47

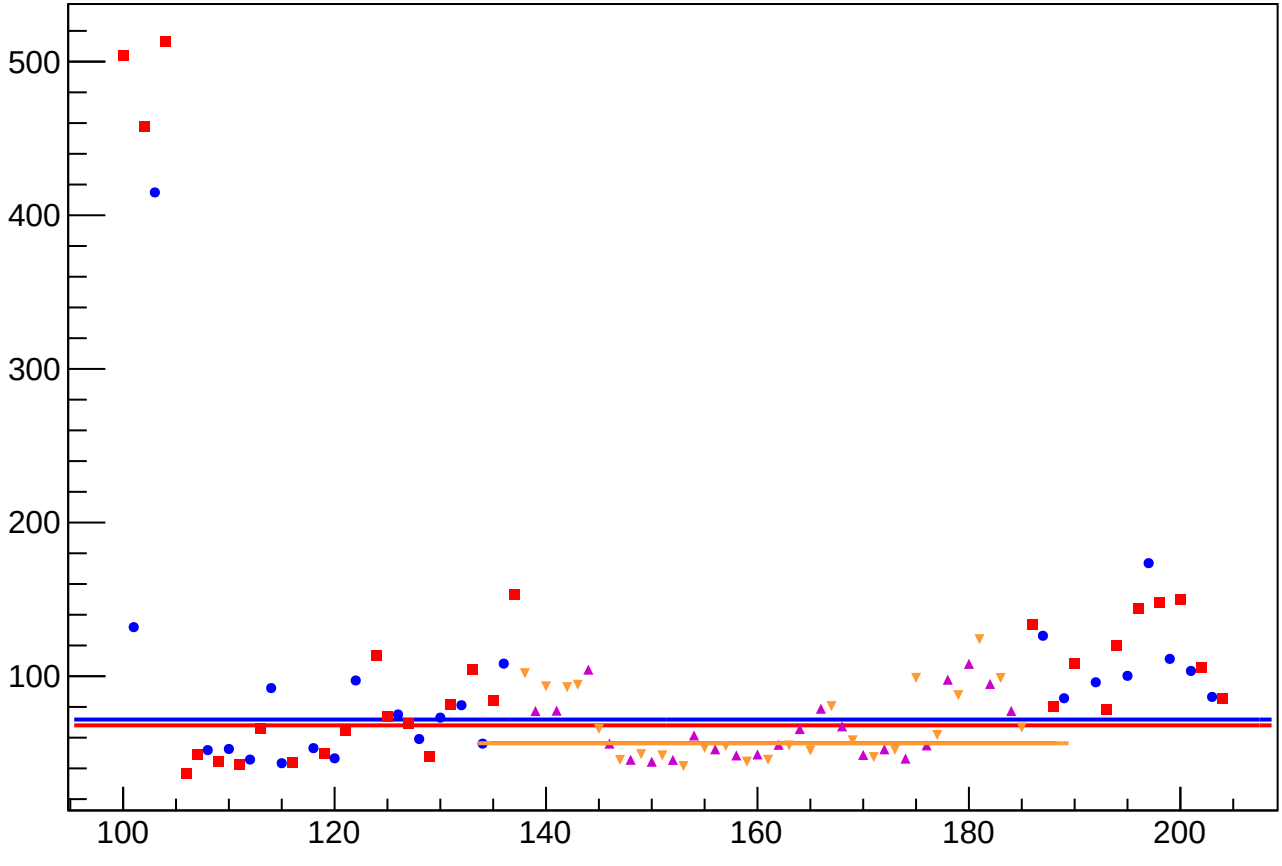
Right: -0.013+/-0.016 χ^2/NDF: 61.2/52

In: -0.011+/-0.012 χ^2/NDF:53.6/46

Out: -0.016+/-0.012 χ^2/NDF:60.0/53

All: -0.014+/-0.009 χ^2/NDF: 113.7/100

asym_usr_atr1_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 71.795+/-0.016 χ^2/NDF: 3369030.6/23

Left Out: 56.374+/-0.010 χ^2/NDF:2797380.0/24

Right Out: 68.016+/-0.015 χ^2/NDF: 5187572.7/28

Left In: 56.467+/-0.010 χ^2/NDF:2140063.7/22

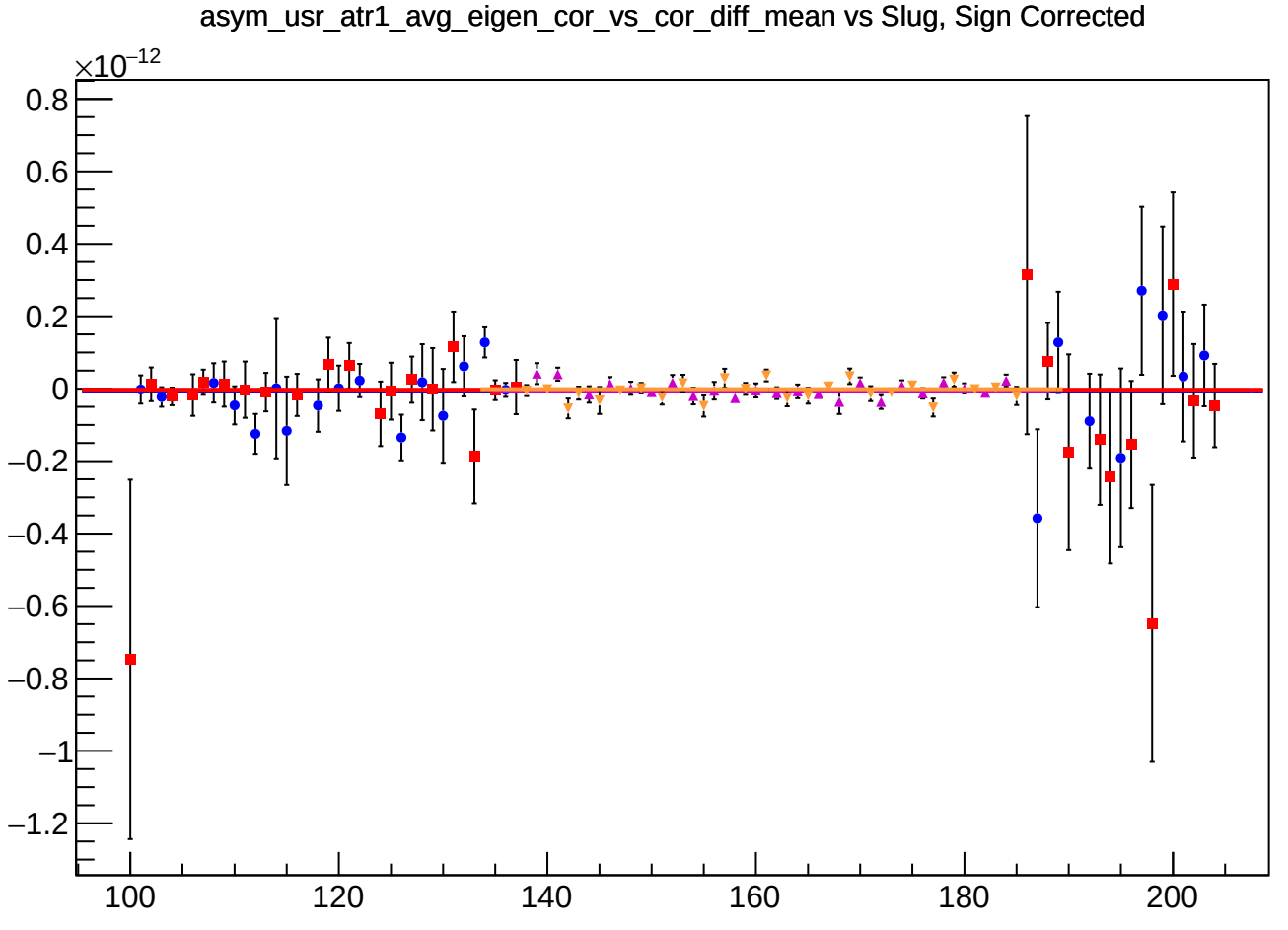
Left: 56.420+/-0.007 χ^2/NDF: 4937485.7/47

Right: 69.739+/-0.011 χ^2/NDF: 8586053.5/52

In: 60.830+/-0.009 χ^2/NDF:6146380.1/46

Out: 60.062+/-0.008 χ^2/NDF:8403908.9/53

All: 60.432+/-0.006 χ^2/NDF: 14554354.8/100



Right In: -0.000+/-0.000 χ^2/NDF: 29.2/23

Left Out: -0.000+/-0.000 χ^2/NDF:29.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 17.9/28

Left In: -0.000+/-0.000 χ^2/NDF:28.4/22

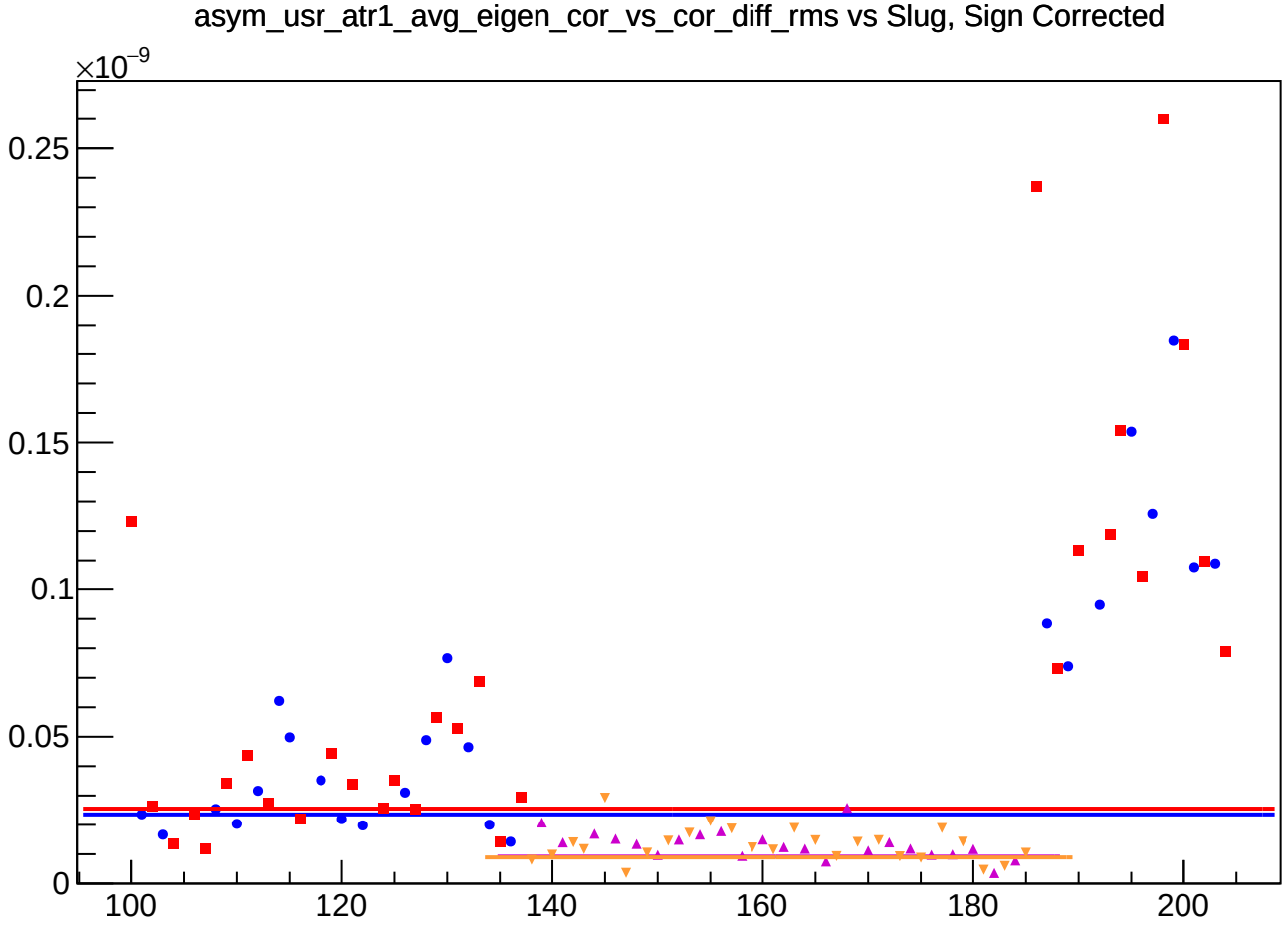
Left: -0.000+/-0.000 χ^2/NDF: 58.8/47

Right: -0.000+/-0.000 χ^2/NDF: 47.1/52

In: -0.000+/-0.000 χ^2/NDF:57.6/46

Out: -0.000+/-0.000 χ^2/NDF:47.5/53

All: -0.000+/-0.000 χ^2/NDF: 105.9/100



Right In: 0.000+/-0.000 χ^2/NDF: 5482115.1/23

Left Out: 0.000+/-0.000 χ^2/NDF:5051836.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7237412.3/28

Left In: 0.000+/-0.000 χ^2/NDF:5079391.4/22

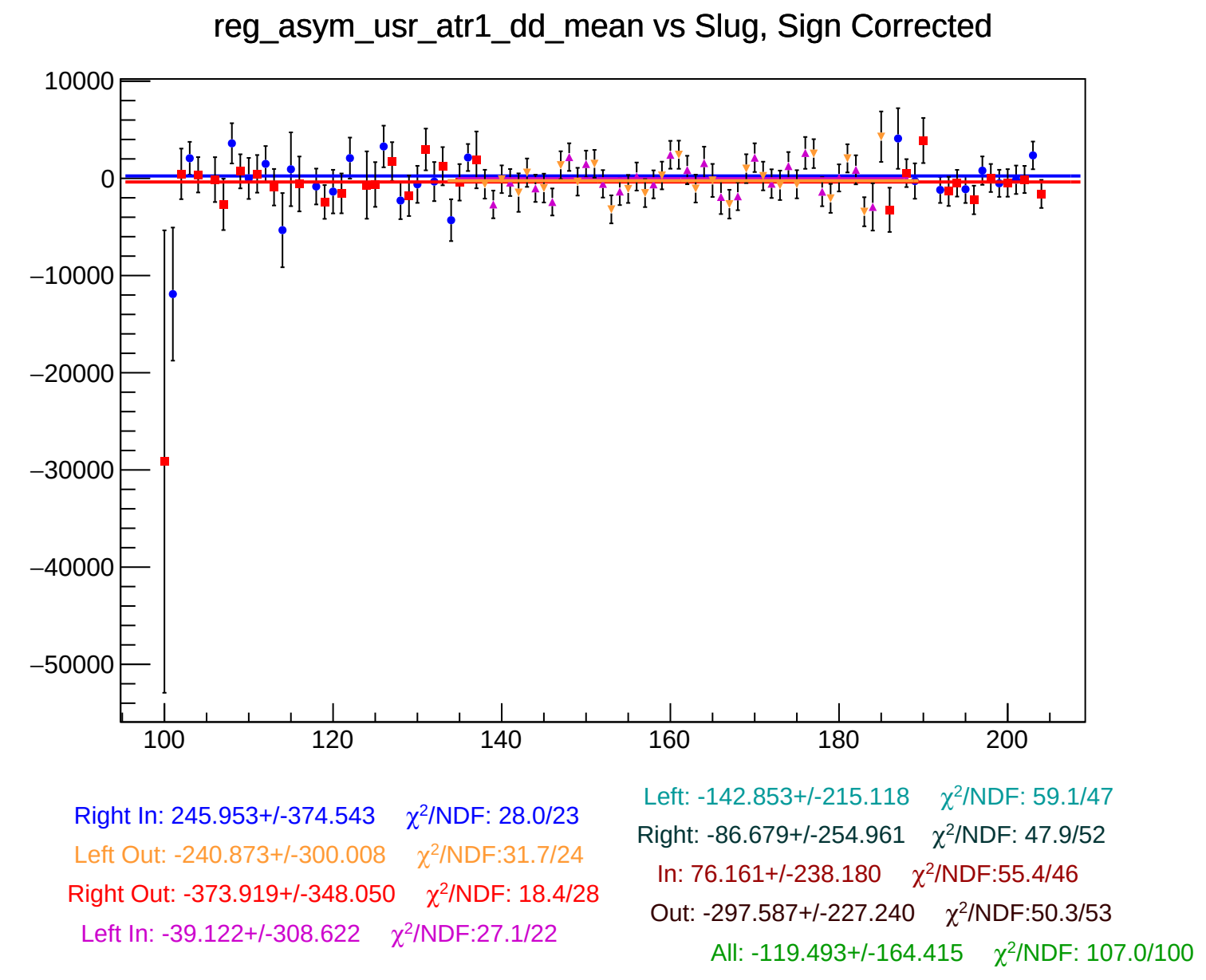
Left: 0.000+/-0.000 χ^2/NDF: 10139912.3/47

Right: 0.000+/-0.000 χ^2/NDF: 12749615.6/52

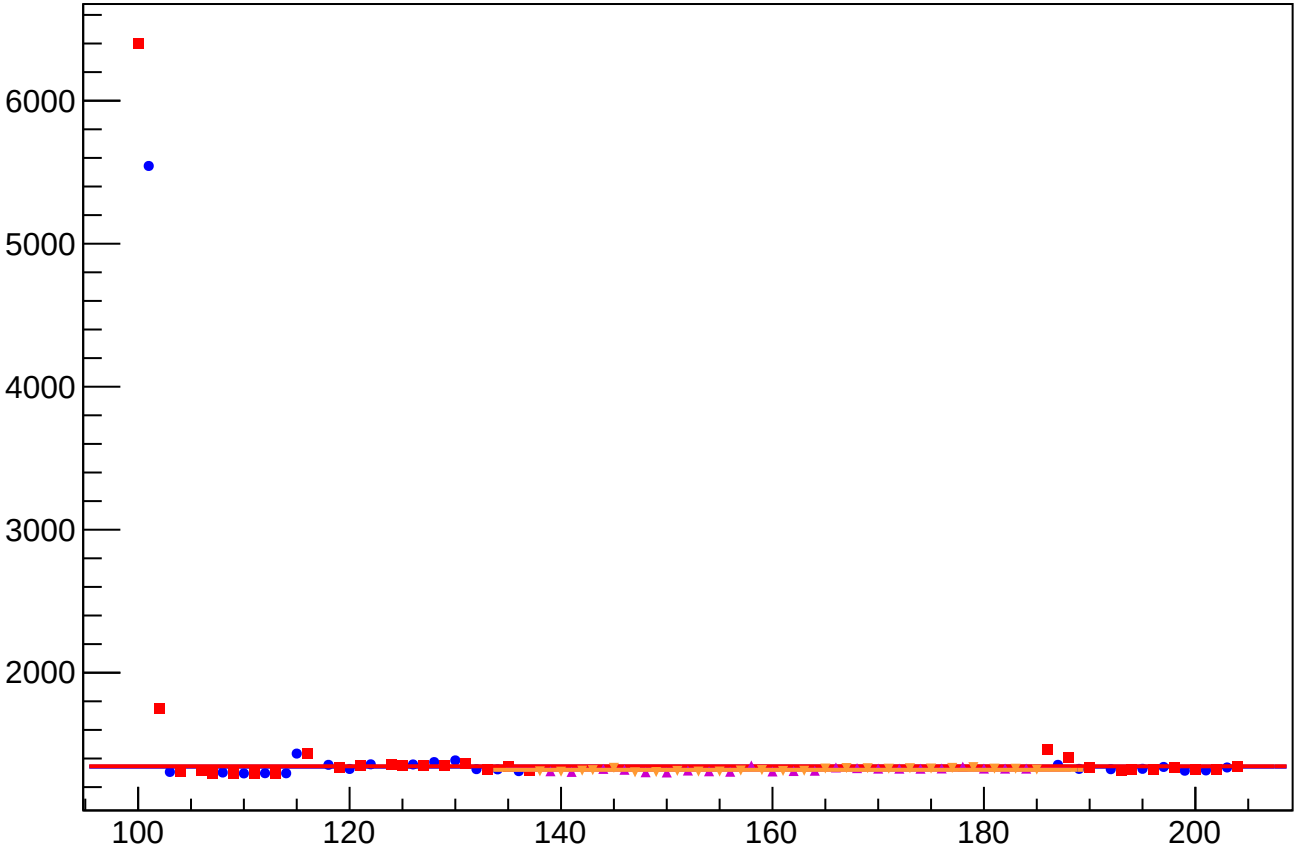
In: 0.000+/-0.000 χ^2/NDF:13689953.5/46

Out: 0.000+/-0.000 χ^2/NDF:16136034.6/53

All: 0.000+/-0.000 χ^2/NDF: 29834711.4/100


reg_asym_usr_atr1_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
−50000
100
120
140
160
180
200
Right In: 245.953+/-374.543 χ²/NDF: 28.0/23
Left Out: -240.873+/-300.008 χ²/NDF:31.7/24
Right Out: -373.919+/-348.050 χ²/NDF: 18.4/28
Left In: -39.122+/-308.622 χ²/NDF:27.1/22
Left: -142.853+/-215.118 χ²/NDF: 59.1/47
Right: -86.679+/-254.961 χ²/NDF: 47.9/52
In: 76.161+/-238.180 χ²/NDF:55.4/46
Out: -297.587+/-227.240 χ²/NDF:50.3/53
All: -119.493+/-164.415 χ²/NDF: 107.0/100

reg_asym_usr_atr1_dd_rms vs Slug, Sign Corrected



Right In: 1342.820+/-0.265 χ^2/NDF: 763861.4/23

Left Out: 1320.740+/-0.212 χ^2/NDF:2602.3/24

Right Out: 1345.809+/-0.246 χ^2/NDF: 159209.3/28

Left In: 1321.782+/-0.218 χ^2/NDF:3553.3/22

Left: 1321.247+/-0.152 χ^2/NDF: 6167.3/47

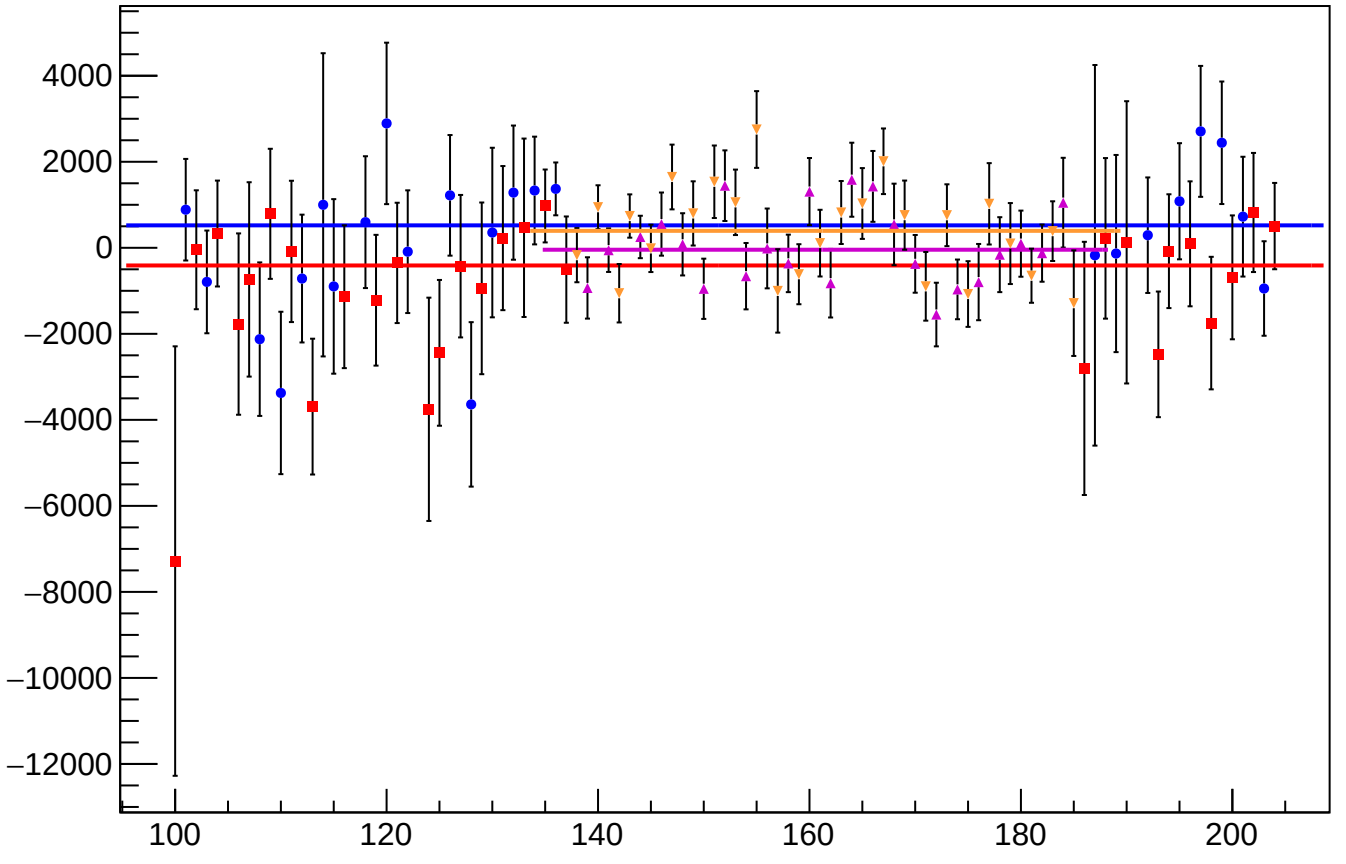
Right: 1344.424+/-0.180 χ^2/NDF: 923139.0/52

In: 1330.290+/-0.168 χ^2/NDF:771172.8/46

Out: 1331.426+/-0.161 χ^2/NDF:167764.3/53

All: 1330.885+/-0.116 χ^2/NDF: 938961.0/100

asym_usr_atr1_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 521.809+/-284.637 χ^2/NDF: 24.3/23

Left Out: 394.550+/-144.562 χ^2/NDF:41.8/24

Right Out: -410.672+/-284.718 χ^2/NDF: 19.8/28

Left In: -44.777+/-152.333 χ^2/NDF:27.6/22

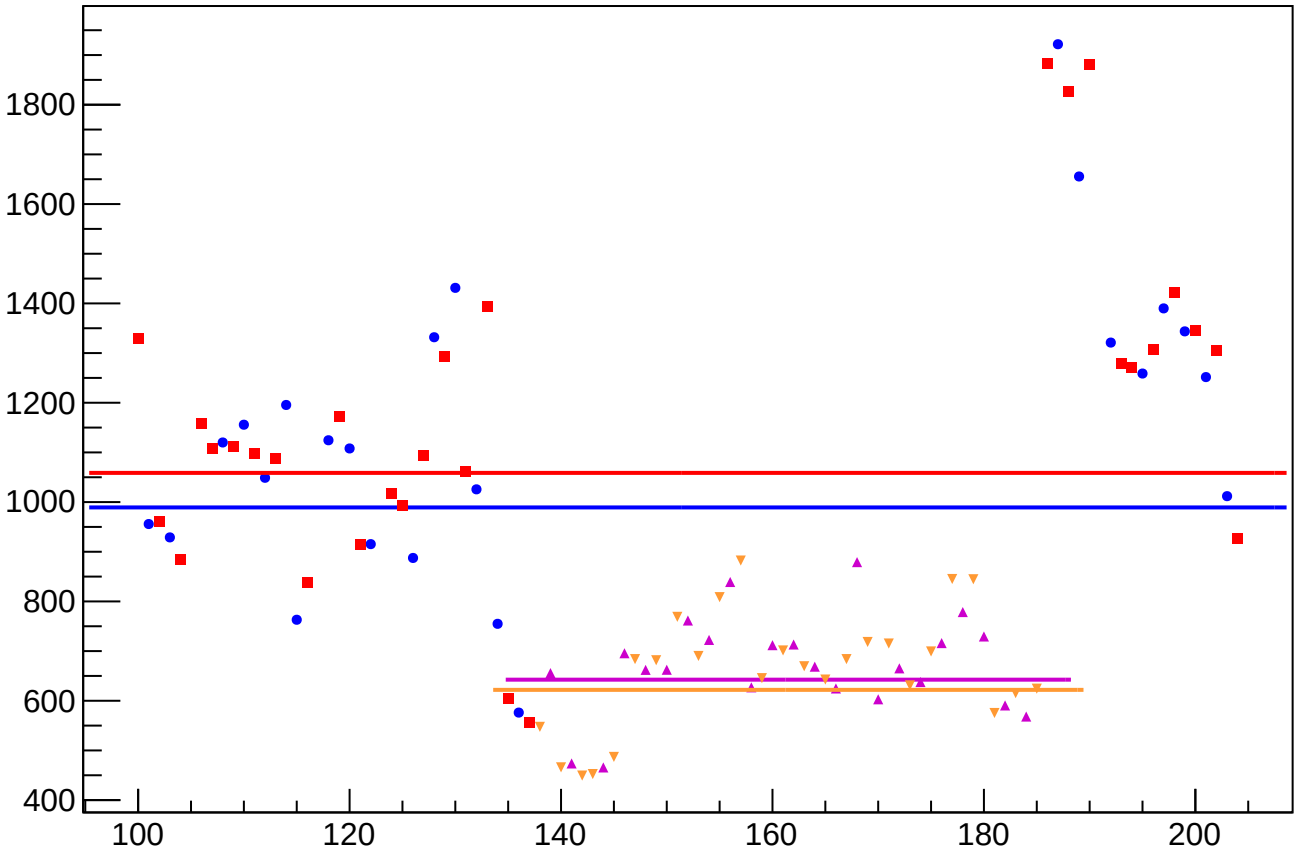
Left: 186.377+/-104.860 χ^2/NDF: 73.8/47

Right: 55.700+/-201.297 χ^2/NDF: 49.5/52

In: 81.372+/-134.308 χ^2/NDF:55.0/46

Out: 229.512+/-128.899 χ^2/NDF:68.0/53

All: 158.485+/-92.999 χ^2/NDF: 123.6/100



Right In: 989.236+/-0.201 χ^2/NDF: 2041957.9/23

Left Out: 621.950+/-0.102 χ^2/NDF:1383473.2/24

Right Out: 1058.781+/-0.201 χ^2/NDF: 2188705.2/28

Left In: 642.470+/-0.108 χ^2/NDF:926330.5/22

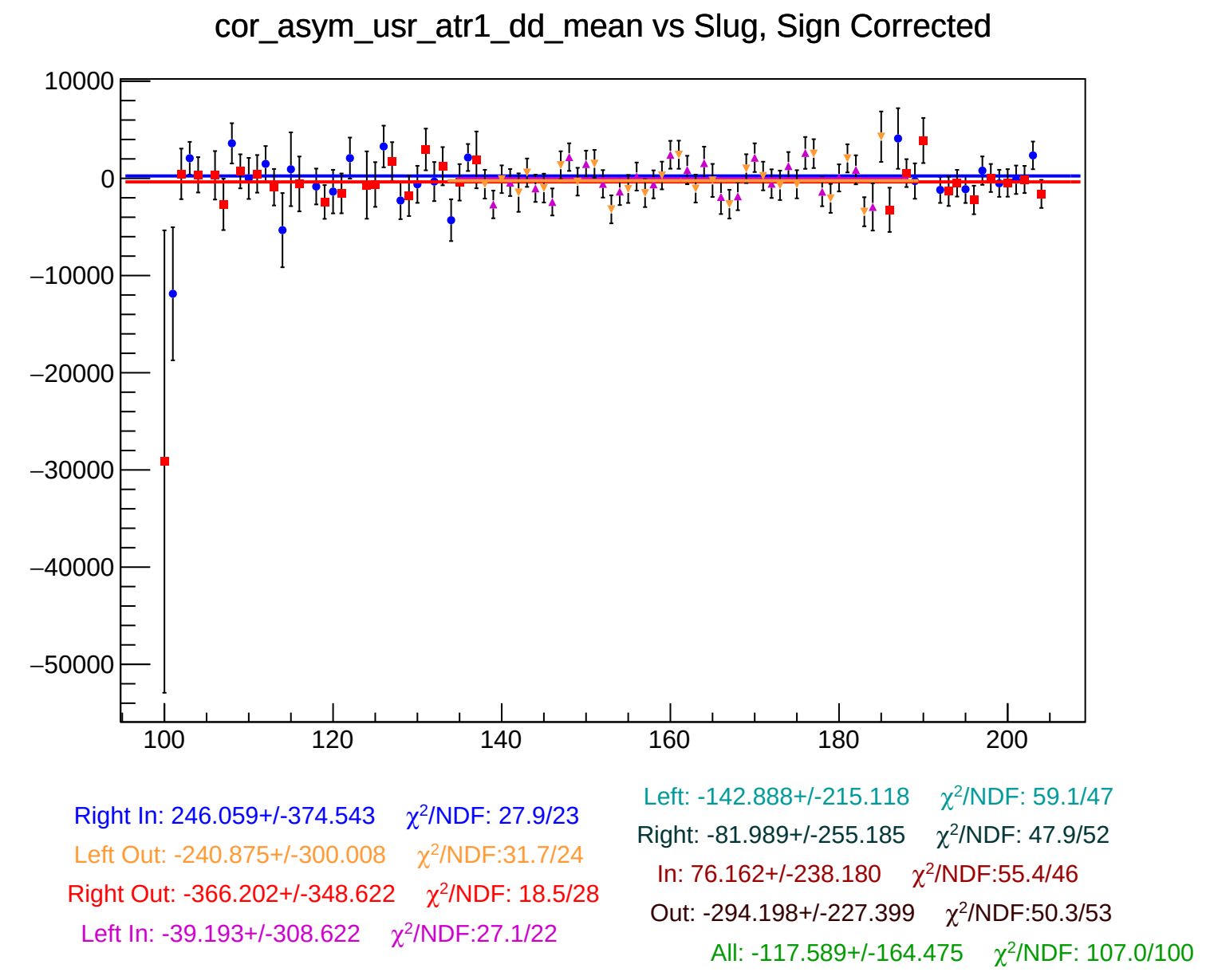
Left: 631.673+/-0.074 χ^2/NDF: 2328898.3/47

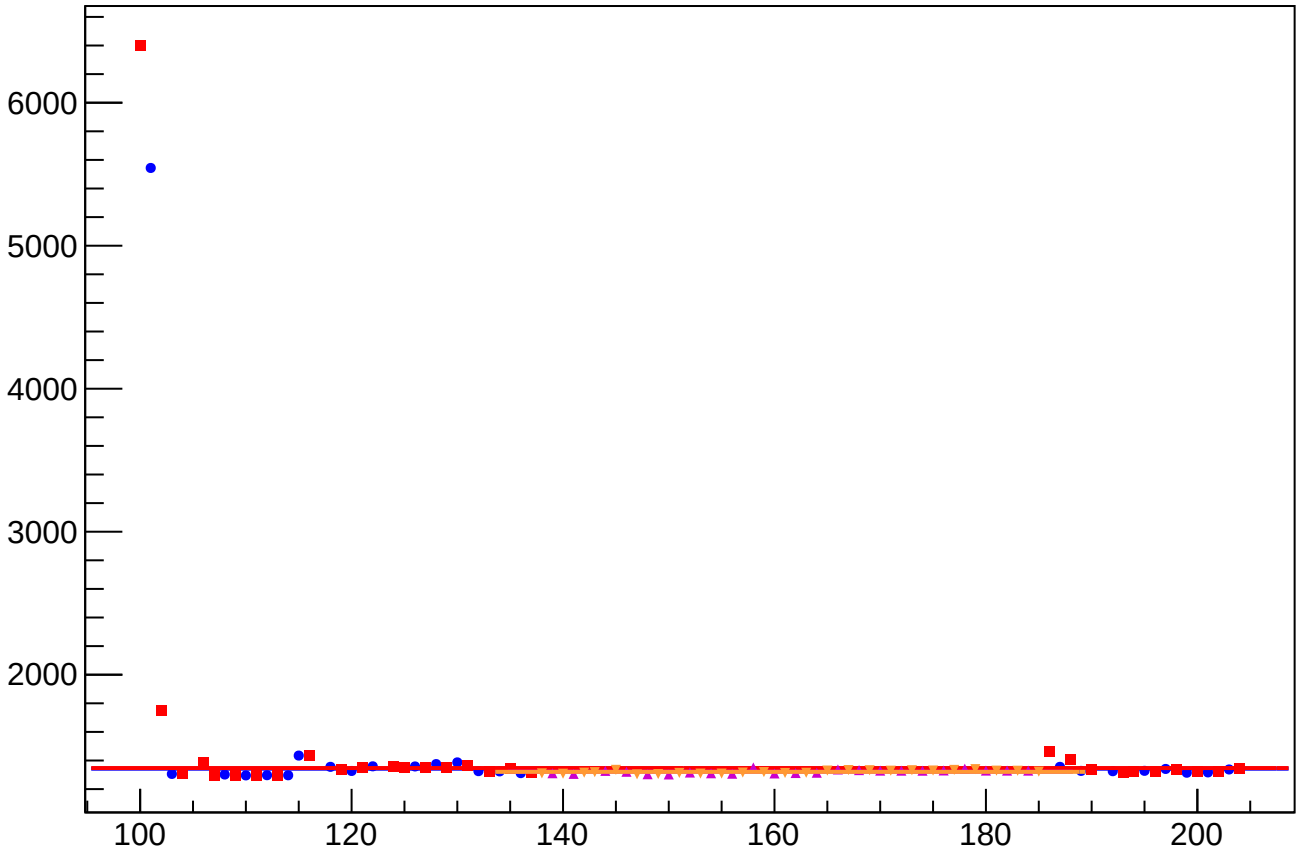
Right: 1023.998+/-0.142 χ^2/NDF: 4290343.1/52

In: 719.677+/-0.095 χ^2/NDF:5275758.1/46

Out: 711.483+/-0.091 χ^2/NDF:7315151.5/53

All: 715.412+/-0.066 χ^2/NDF: 12594785.0/10


cor_asym_usr_atr1_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
−50000
100
120
140
160
180
200
Right In: 246.059+/-374.543 χ²/NDF: 27.9/23
Left Out: -240.875+/-300.008 χ²/NDF:31.7/24
Right Out: -366.202+/-348.622 χ²/NDF: 18.5/28
Left In: -39.193+/-308.622 χ²/NDF:27.1/22
Left: -142.888+/-215.118 χ²/NDF: 59.1/47
Right: -81.989+/-255.185 χ²/NDF: 47.9/52
In: 76.162+/-238.180 χ²/NDF:55.4/46
Out: -294.198+/-227.399 χ²/NDF:50.3/53
All: -117.589+/-164.475 χ²/NDF: 107.0/100



Right In: 1342.820+/-0.265 χ^2/NDF: 763860.4/23

Left Out: 1320.740+/-0.212 χ^2/NDF:2602.3/24

Right Out: 1347.294+/-0.247 χ^2/NDF: 159465.7/28

Left In: 1321.783+/-0.218 χ^2/NDF:3553.3/22

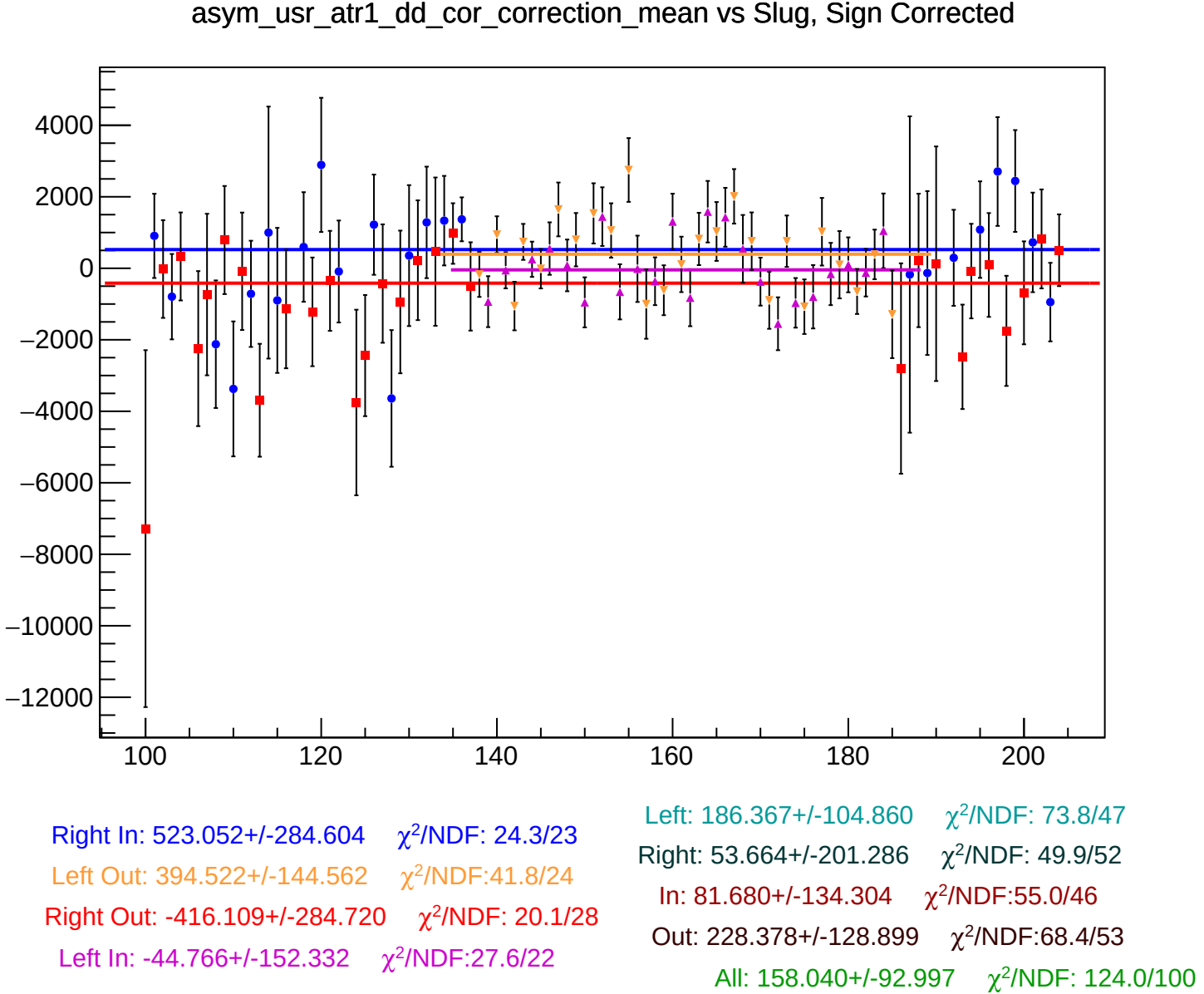
Left: 1321.247+/-0.152 χ^2/NDF: 6167.3/47

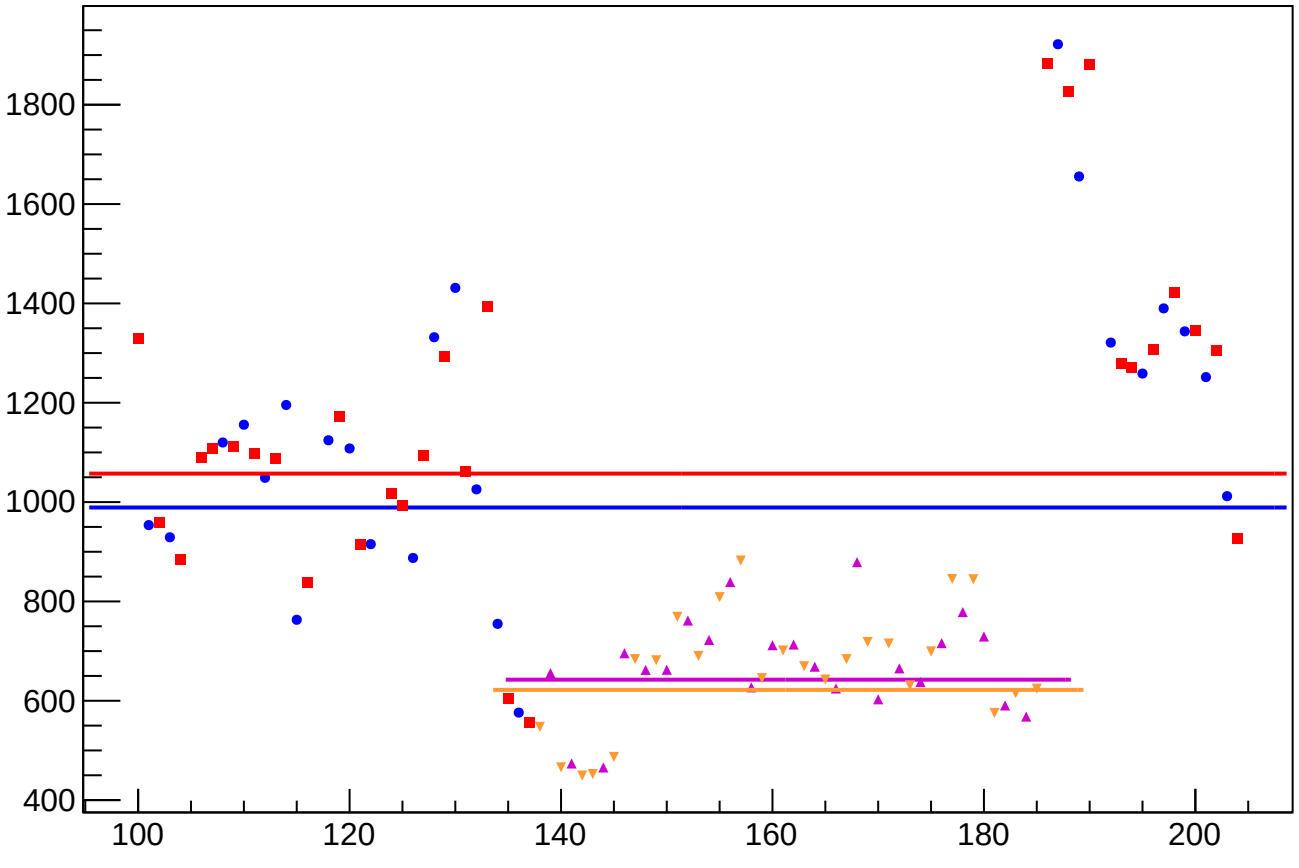
Right: 1345.217+/-0.180 χ^2/NDF: 923478.9/52

In: 1330.290+/-0.168 χ^2/NDF:771171.8/46

Out: 1332.038+/-0.161 χ^2/NDF:168734.1/53

All: 1331.204+/-0.116 χ^2/NDF: 939962.3/100


asym_usr_atr1_dd_cor_correction_mean vs Slug, Sign Corrected
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
100
120
140
160
180
200
Right In: 523.052+/-284.604 χ²/NDF: 24.3/23
Left Out: 394.522+/-144.562 χ²/NDF:41.8/24
Right Out: -416.109+/-284.720 χ²/NDF: 20.1/28
Left In: -44.766+/-152.332 χ²/NDF:27.6/22
Left: 186.367+/-104.860 χ²/NDF: 73.8/47
Right: 53.664+/-201.286 χ²/NDF: 49.9/52
In: 81.680+/-134.304 χ²/NDF:55.0/46
Out: 228.378+/-128.899 χ²/NDF:68.4/53
All: 158.040+/-92.997 χ²/NDF: 124.0/100



Right In: 989.120+/-0.201 χ^2/NDF: 2042087.8/23

Left Out: 621.950+/-0.102 χ^2/NDF:1383373.4/24

Right Out: 1057.353+/-0.201 χ^2/NDF: 2185280.3/28

Left In: 642.465+/-0.108 χ^2/NDF:926376.1/22

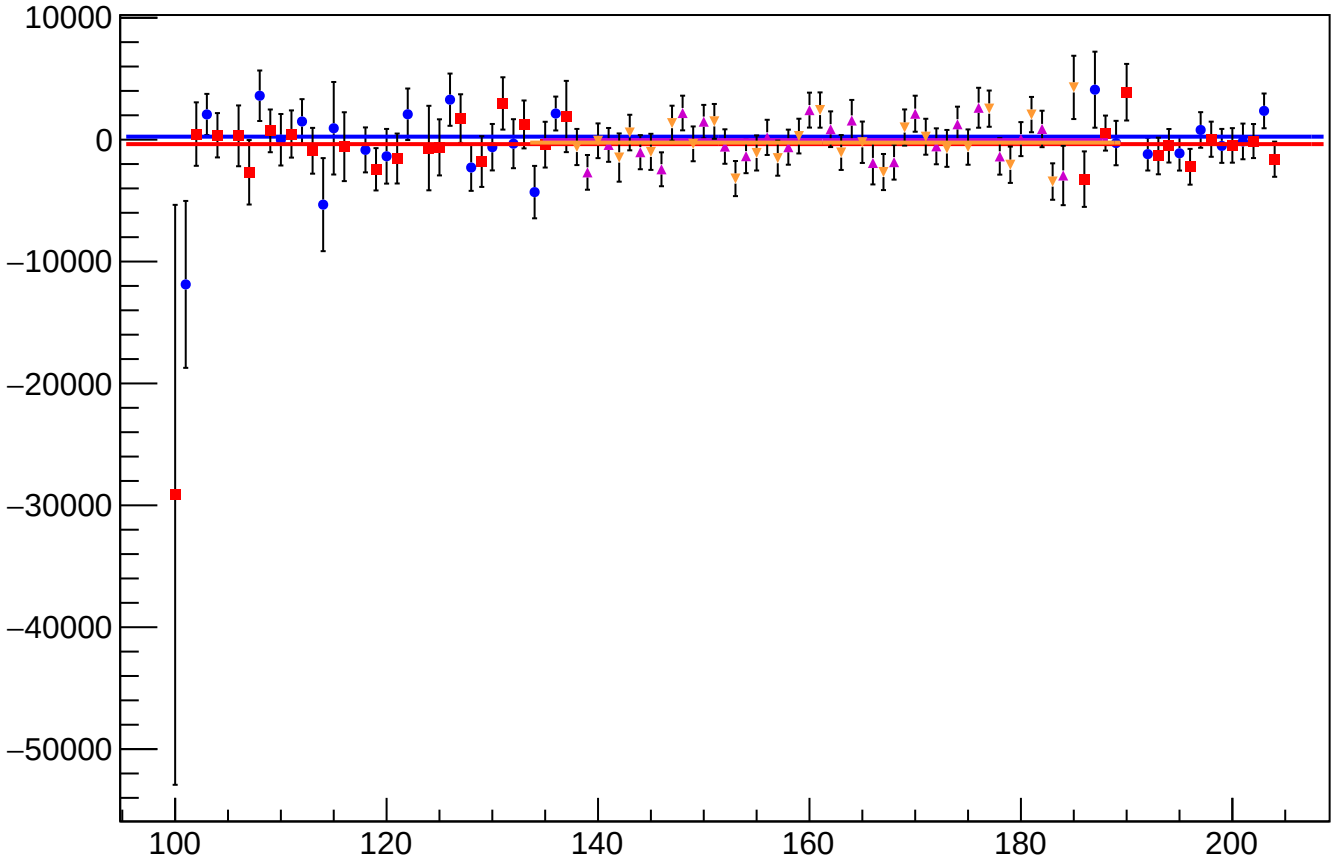
Left: 631.671+/-0.074 χ^2/NDF: 2328835.4/47

Right: 1023.222+/-0.142 χ^2/NDF: 4284823.1/52

In: 719.661+/-0.095 χ^2/NDF:5274887.4/46

Out: 711.189+/-0.091 χ^2/NDF:7287147.9/53

All: 715.251+/-0.066 χ^2/NDF: 12566178.1/10



Right In: 246.059+/-374.543 χ^2/NDF: 27.9/23

Left Out: -240.875+/-300.008 χ^2/NDF:31.7/24

Right Out: -366.202+/-348.622 χ^2/NDF: 18.5/28

Left In: -39.193+/-308.622 χ^2/NDF:27.1/22

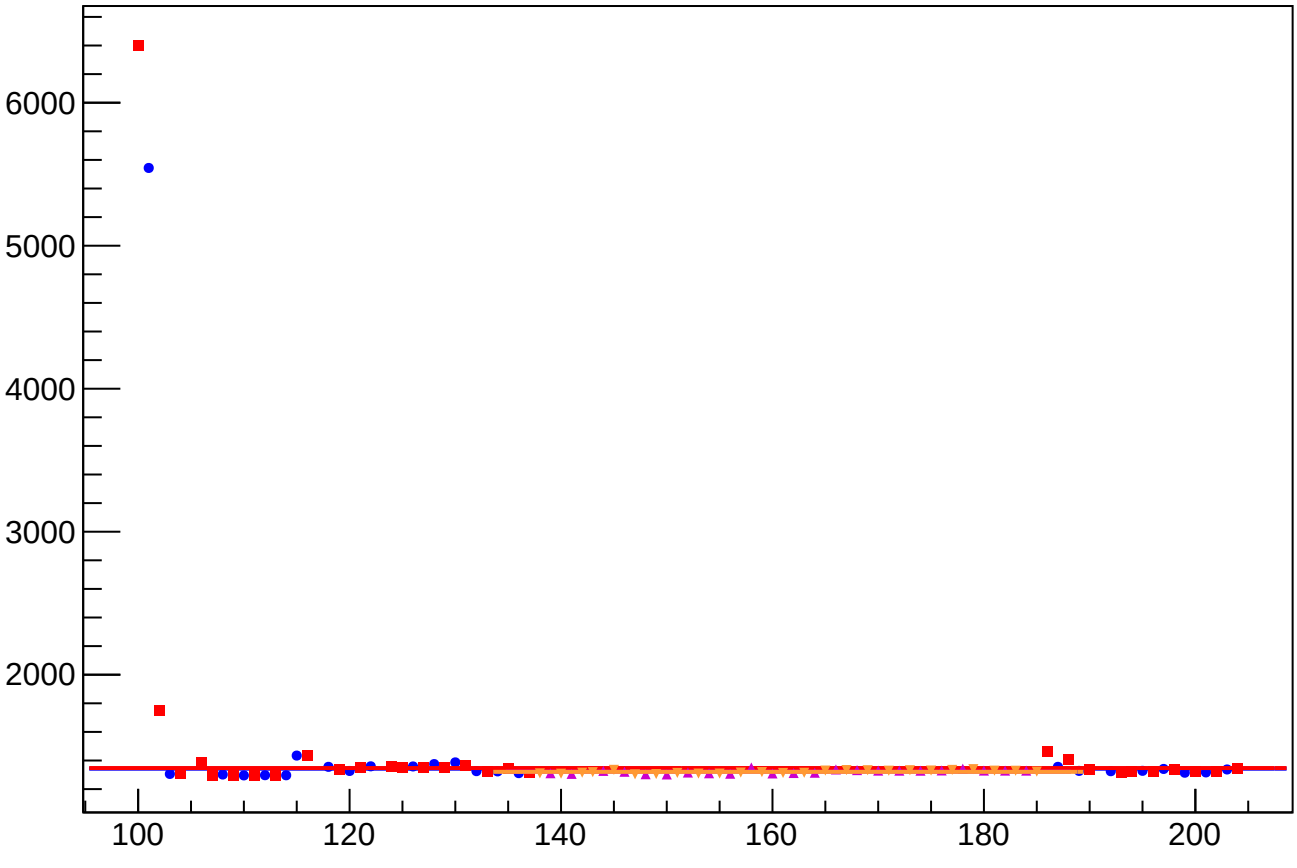
Left: -142.888+/-215.118 χ^2/NDF: 59.1/47

Right: -81.989+/-255.185 χ^2/NDF: 47.9/52

In: 76.162+/-238.180 χ^2/NDF:55.4/46

Out: -294.198+/-227.399 χ^2/NDF:50.3/53

All: -117.589+/-164.475 χ^2/NDF: 107.0/100



Right In: 1342.820+/-0.265 χ^2/NDF: 763860.4/23

Left Out: 1320.740+/-0.212 χ^2/NDF:2602.3/24

Right Out: 1347.294+/-0.247 χ^2/NDF: 159465.7/28

Left In: 1321.783+/-0.218 χ^2/NDF:3553.3/22

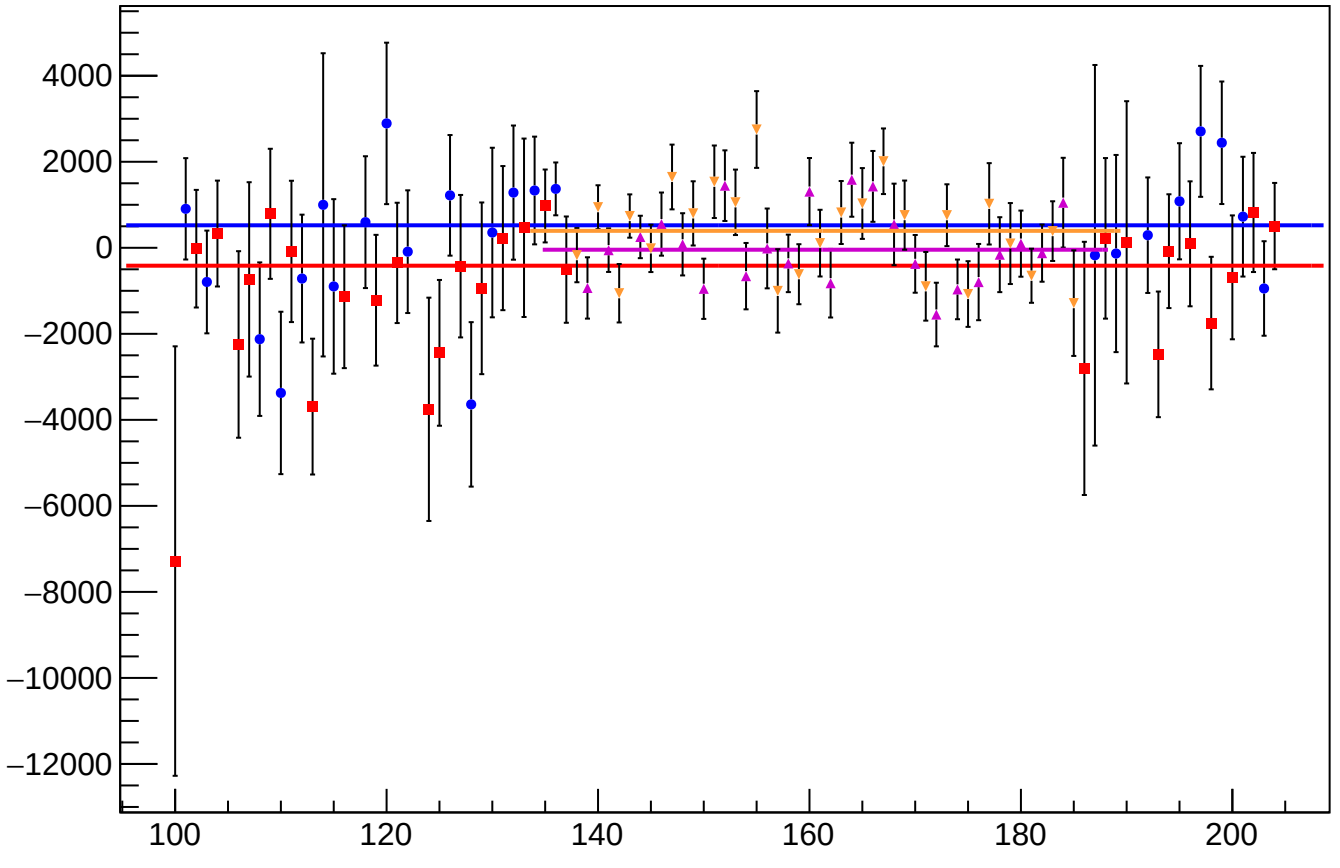
Left: 1321.247+/-0.152 χ^2/NDF: 6167.3/47

Right: 1345.217+/-0.180 χ^2/NDF: 923478.9/52

In: 1330.290+/-0.168 χ^2/NDF:771171.8/46

Out: 1332.038+/-0.161 χ^2/NDF:168734.1/53

All: 1331.204+/-0.116 χ^2/NDF: 939962.3/100



Right In: 523.052+/-284.604 χ^2/NDF: 24.3/23

Left Out: 394.522+/-144.562 χ^2/NDF:41.8/24

Right Out: -416.109+/-284.720 χ^2/NDF: 20.1/28

Left In: -44.766+/-152.332 χ^2/NDF:27.6/22

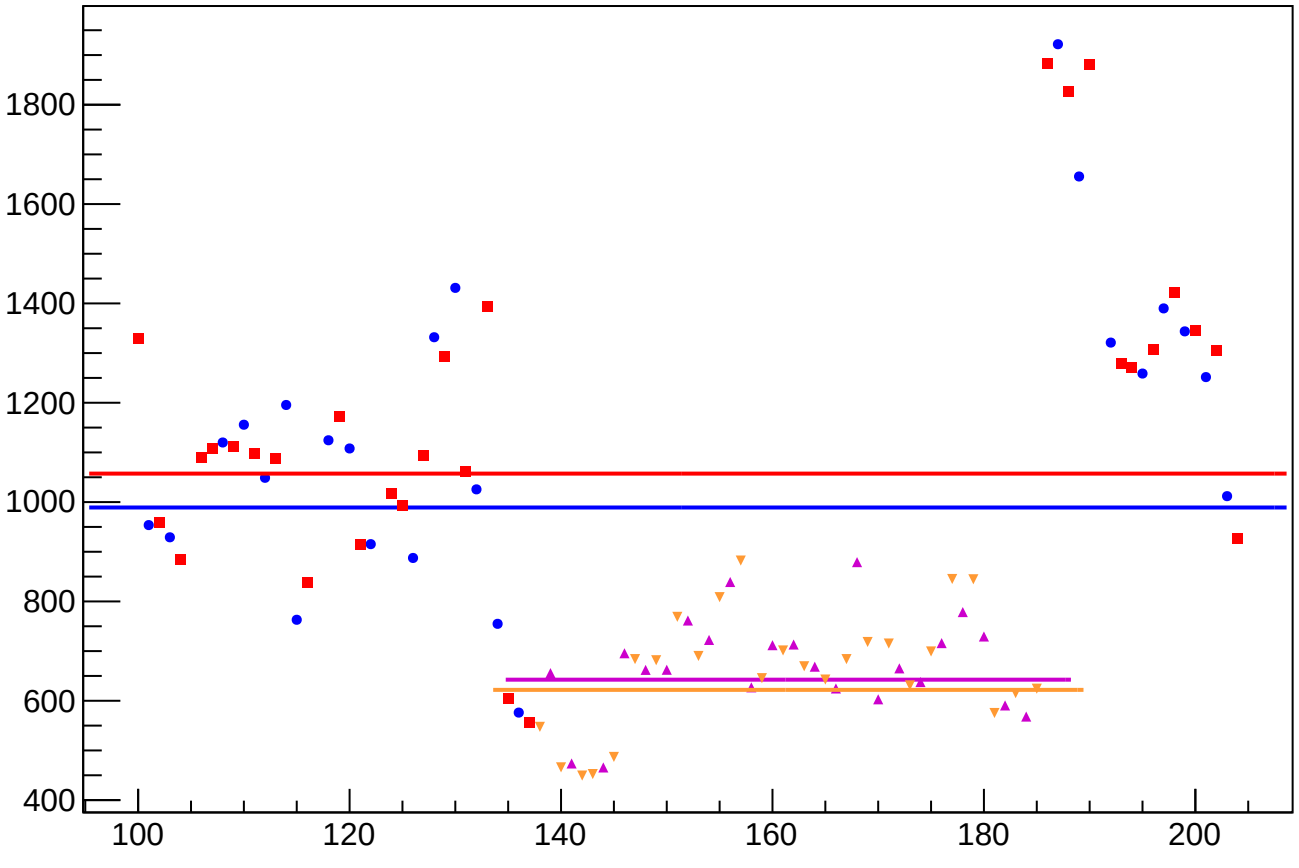
Left: 186.367+/-104.860 χ^2/NDF: 73.8/47

Right: 53.664+/-201.286 χ^2/NDF: 49.9/52

In: 81.680+/-134.304 χ^2/NDF:55.0/46

Out: 228.378+/-128.899 χ^2/NDF:68.4/53

All: 158.040+/-92.997 χ^2/NDF: 124.0/100



Right In: 989.120+/-0.201 χ^2/NDF: 2042087.8/23

Left Out: 621.950+/-0.102 χ^2/NDF:1383373.4/24

Right Out: 1057.353+/-0.201 χ^2/NDF: 2185280.3/28

Left In: 642.465+/-0.108 χ^2/NDF:926376.1/22

Left: 631.671+/-0.074 χ^2/NDF: 2328835.4/47

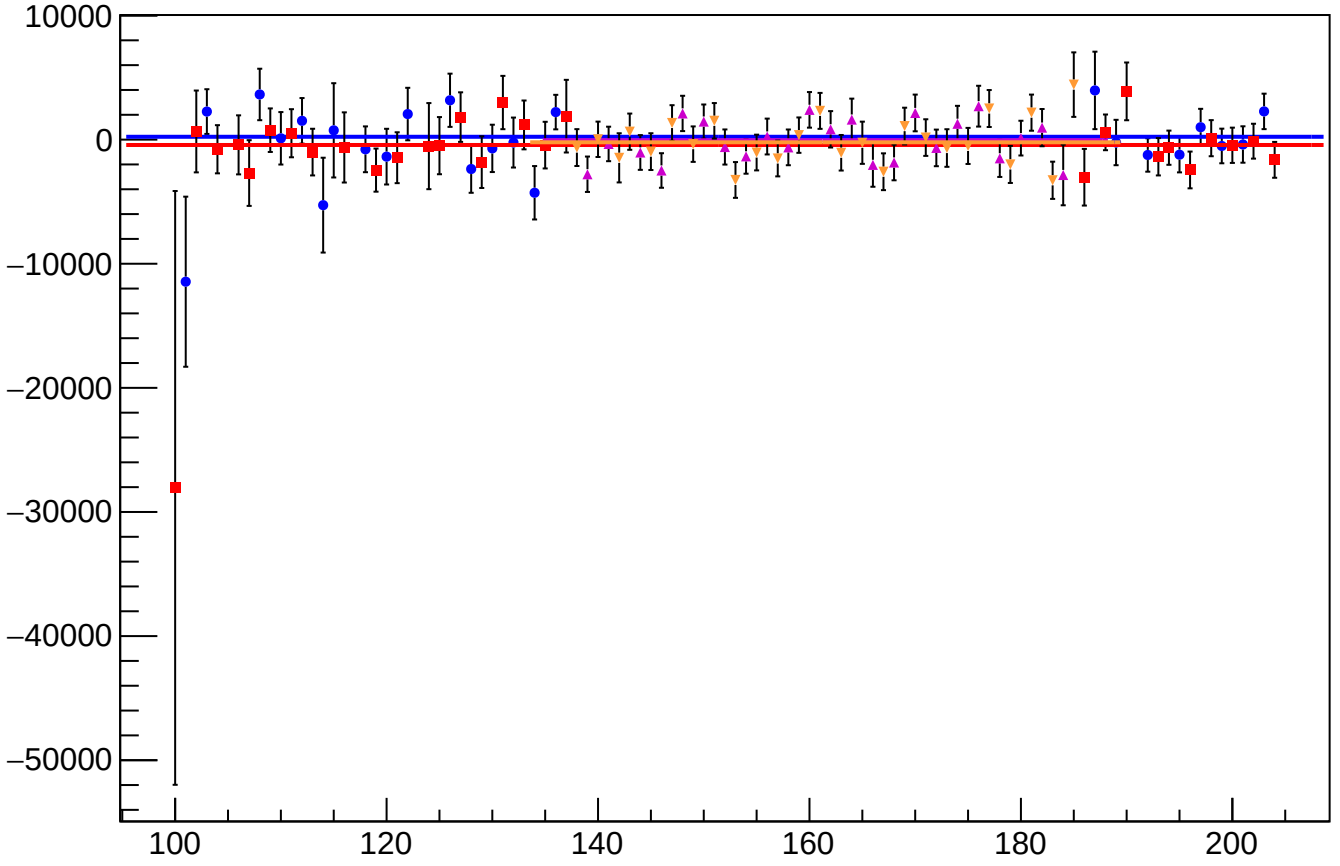
Right: 1023.222+/-0.142 χ^2/NDF: 4284823.1/52

In: 719.661+/-0.095 χ^2/NDF:5274887.4/46

Out: 711.189+/-0.091 χ^2/NDF:7287147.9/53

All: 715.251+/-0.066 χ^2/NDF: 12566178.1/10

dit_asym_usr_atr1_dd_mean vs Slug, Sign Corrected



Right In: 228.975+/-376.512 χ^2/NDF: 28.0/23

Left Out: -215.033+/-300.379 χ^2/NDF:31.3/24

Right Out: -432.607+/-351.025 χ^2/NDF: 18.5/28

Left In: -50.244+/-308.986 χ^2/NDF:27.8/22

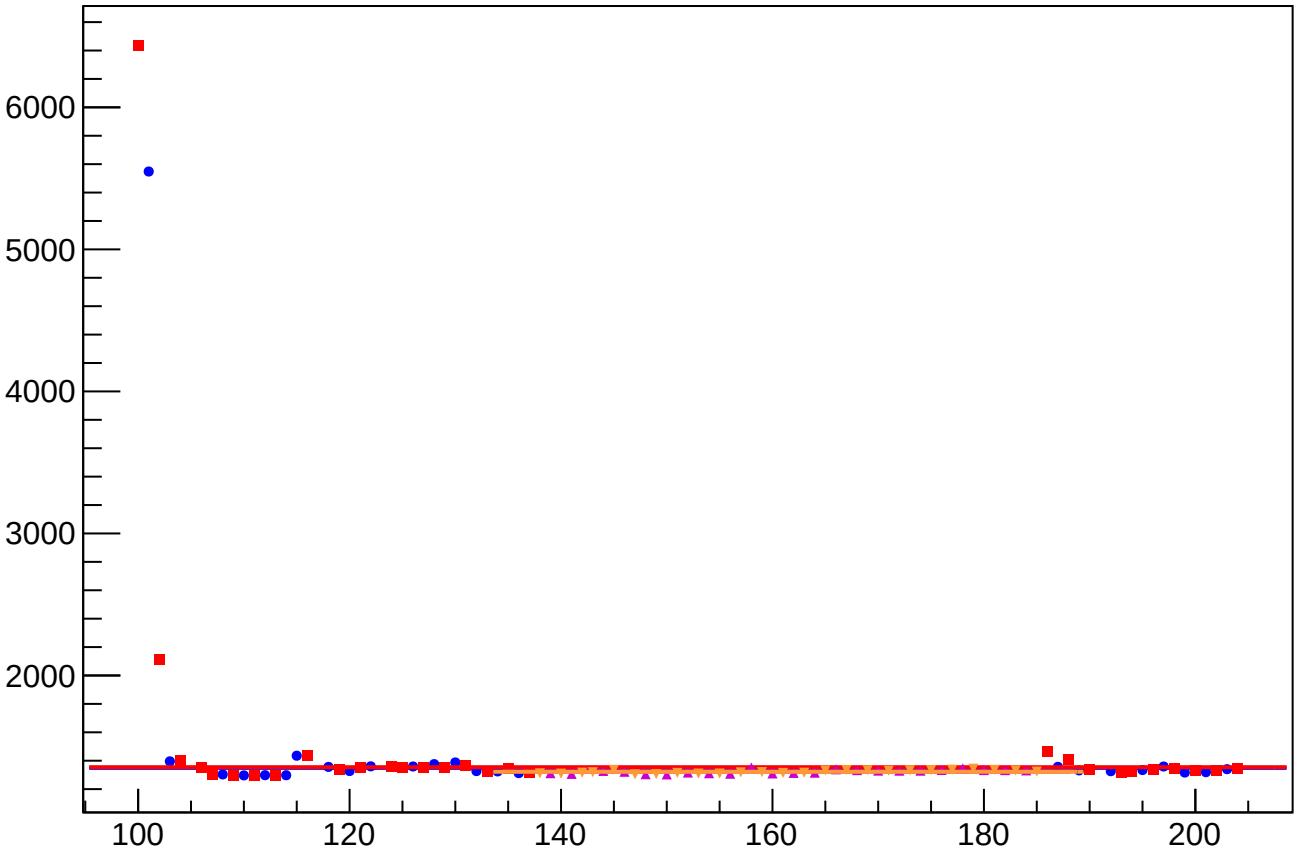
Left: -134.966+/-215.379 χ^2/NDF: 59.2/47

Right: -124.965+/-256.750 χ^2/NDF: 48.2/52

In: 62.125+/-238.853 χ^2/NDF:56.1/46

Out: -307.006+/-228.225 χ^2/NDF:50.0/53

All: -130.835+/-165.009 χ^2/NDF: 107.4/100



Right In: 1349.849+/-0.266 χ^2/NDF: 763912.7/23

Left Out: 1322.369+/-0.212 χ^2/NDF:2931.9/24

Right Out: 1353.978+/-0.248 χ^2/NDF: 217283.0/28

Left In: 1323.337+/-0.218 χ^2/NDF:3856.3/22

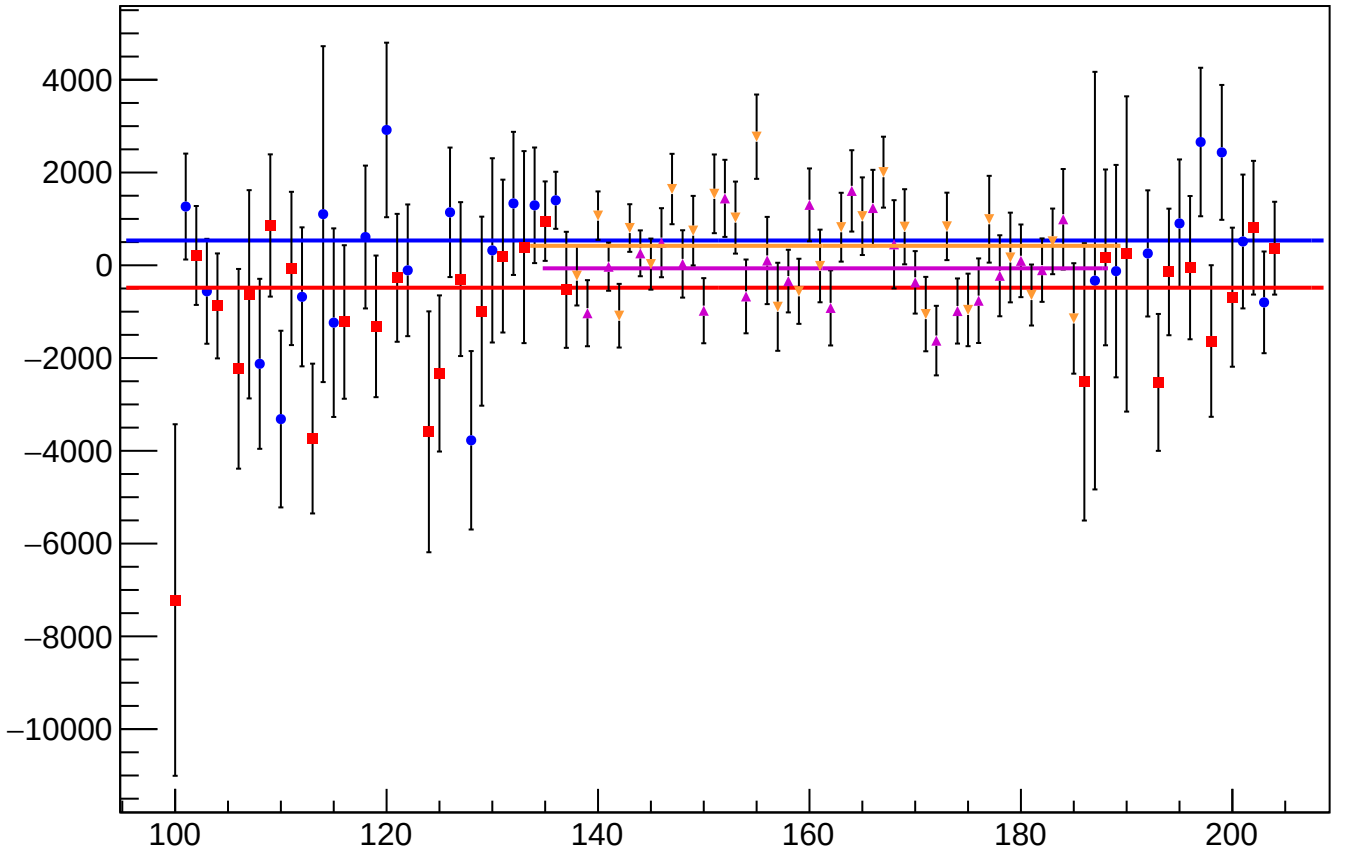
Left: 1322.839+/-0.152 χ^2/NDF: 6798.3/47

Right: 1352.058+/-0.182 χ^2/NDF: 981324.4/52

In: 1334.007+/-0.169 χ^2/NDF:773694.3/46

Out: 1335.730+/-0.161 χ^2/NDF:229576.7/53

All: 1334.908+/-0.117 χ^2/NDF: 1003325.4/10



Right In: 534.823+/-284.998 χ^2/NDF: 23.8/23

Left Out: 419.899+/-146.436 χ^2/NDF:41.5/24

Right Out: -483.206+/-282.402 χ^2/NDF: 20.4/28

Left In: -65.405+/-154.224 χ^2/NDF:27.0/22

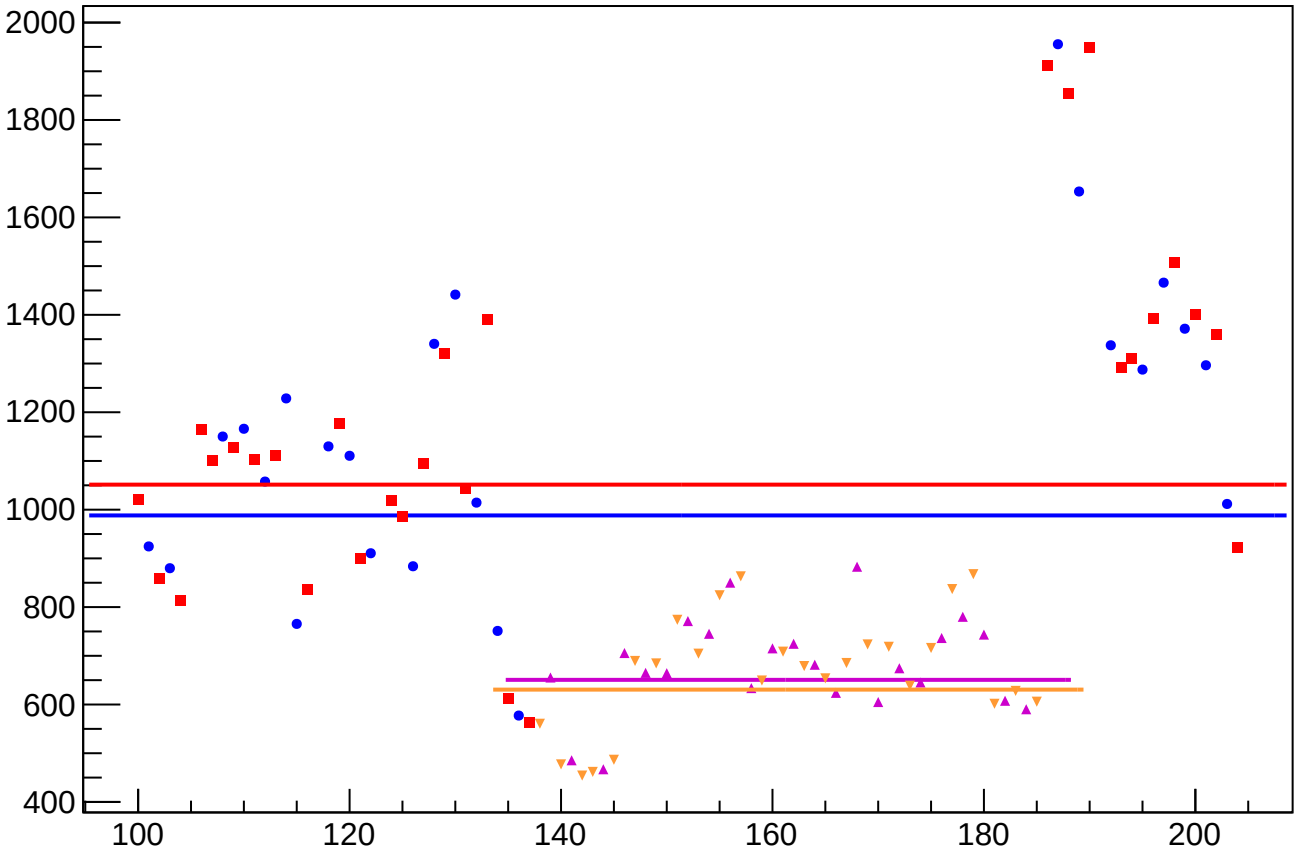
Left: 189.810+/-106.192 χ^2/NDF: 73.8/47

Right: 21.151+/-200.600 χ^2/NDF: 50.6/52

In: 70.550+/-135.638 χ^2/NDF:54.3/46

Out: 228.528+/-129.998 χ^2/NDF:70.0/53

All: 152.891+/-93.853 χ^2/NDF: 125.0/100



Right In: 988.173+/-0.202 χ^2/NDF: 2170504.5/23

Left Out: 630.592+/-0.104 χ^2/NDF:1328590.6/24

Right Out: 1051.398+/-0.200 χ^2/NDF: 2443620.5/28

Left In: 650.637+/-0.109 χ^2/NDF:922078.1/22

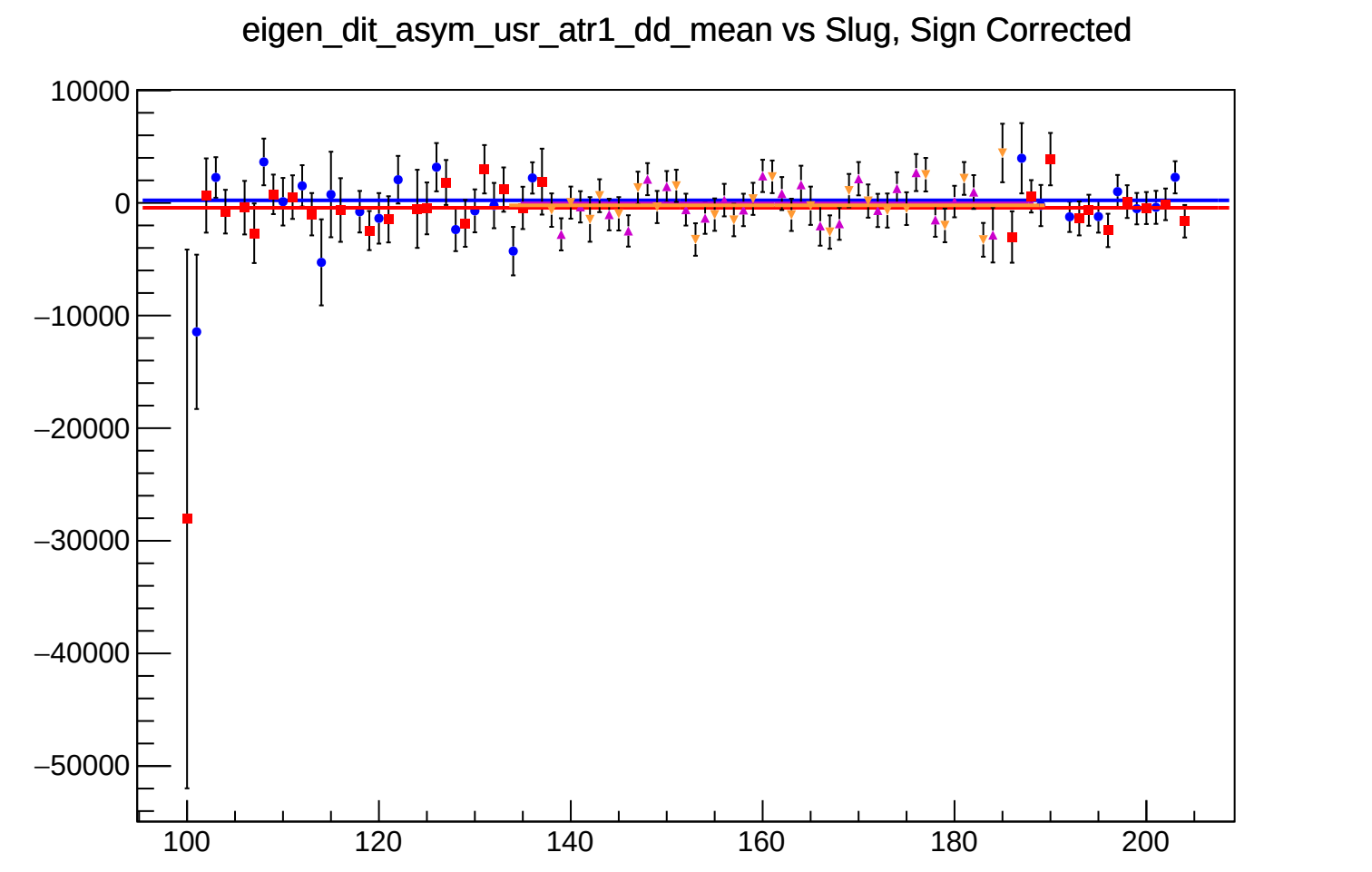
Left: 640.095+/-0.075 χ^2/NDF: 2268436.2/47

Right: 1020.075+/-0.142 χ^2/NDF: 4663790.0/52

In: 727.091+/-0.096 χ^2/NDF:5262501.4/46

Out: 719.762+/-0.092 χ^2/NDF:7271963.5/53

All: 723.271+/-0.066 χ^2/NDF: 12537508.1/10



Right In: 228.974+/-376.512 χ^2/NDF: 28.0/23

Left Out: -215.035+/-300.379 χ^2/NDF:31.3/24

Right Out: -432.606+/-351.025 χ^2/NDF: 18.5/28

Left In: -50.244+/-308.986 χ^2/NDF:27.8/22

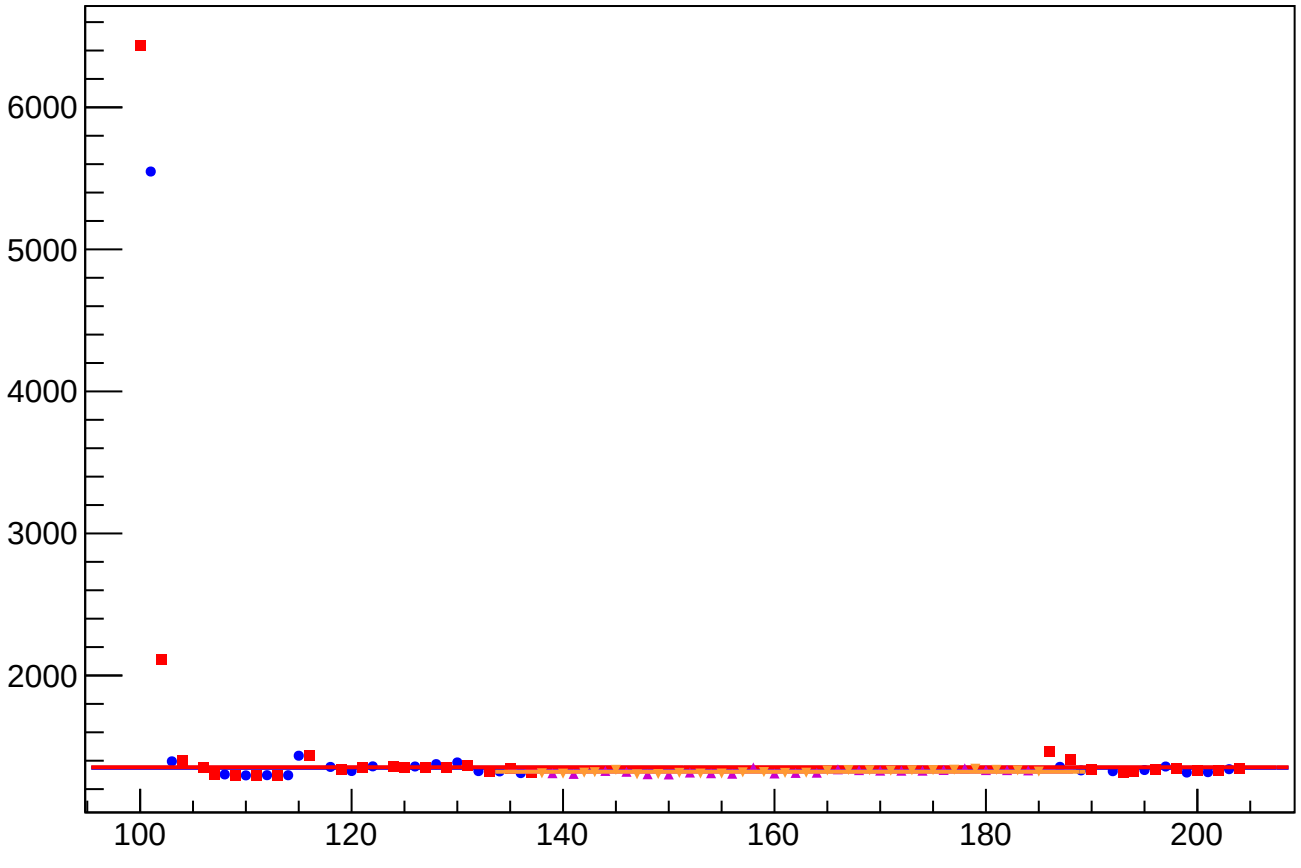
Left: -134.967+/-215.379 χ^2/NDF: 59.2/47

Right: -124.965+/-256.750 χ^2/NDF: 48.2/52

In: 62.125+/-238.853 χ^2/NDF:56.1/46

Out: -307.006+/-228.225 χ^2/NDF:50.0/53

All: -130.835+/-165.009 χ^2/NDF: 107.4/100



Right In: 1349.849+/-0.266 χ^2/NDF: 763912.6/23

Left Out: 1322.369+/-0.212 χ^2/NDF:2931.9/24

Right Out: 1353.978+/-0.248 χ^2/NDF: 217283.0/28

Left In: 1323.337+/-0.218 χ^2/NDF:3856.3/22

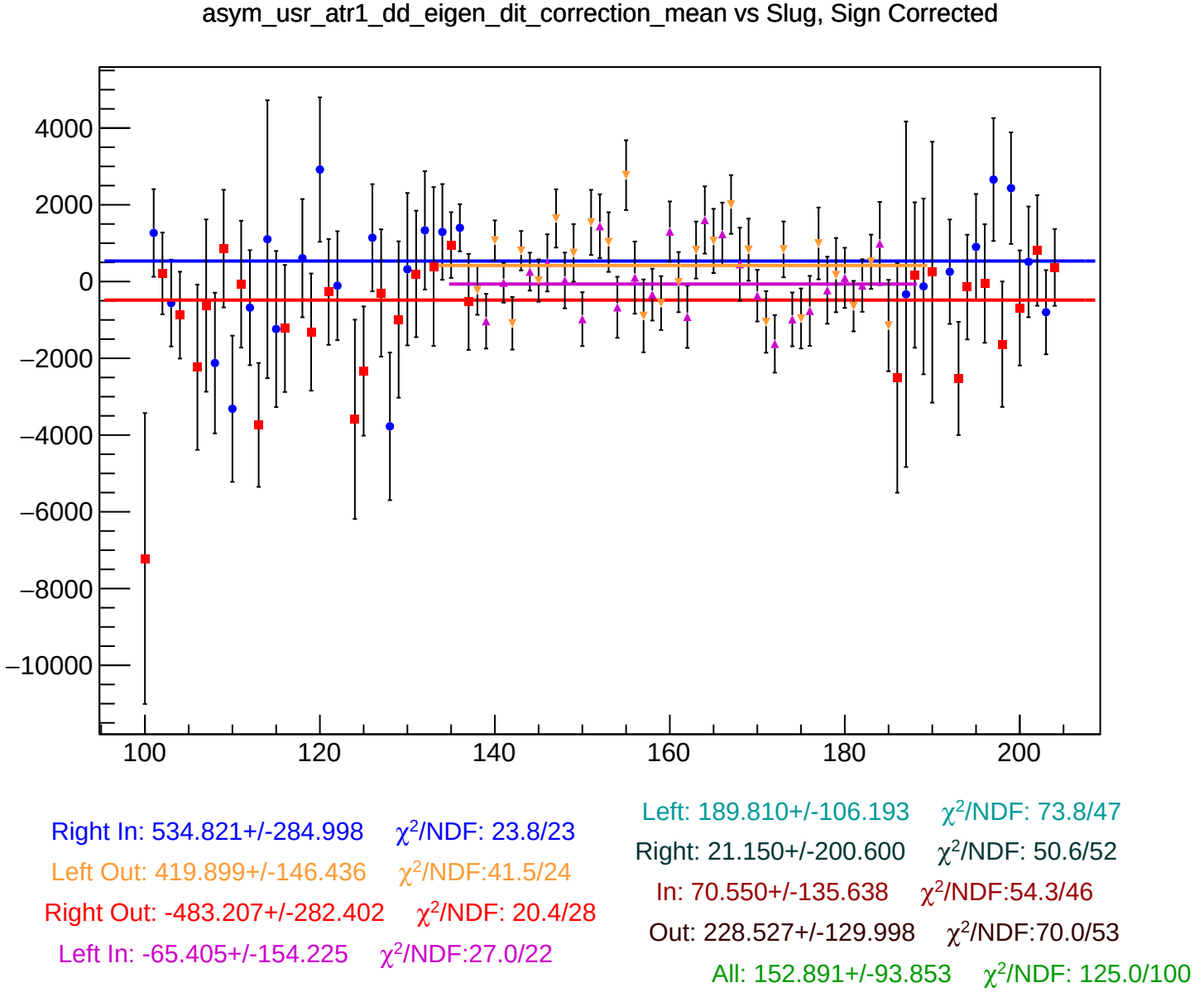
Left: 1322.839+/-0.152 χ^2/NDF: 6798.3/47

Right: 1352.058+/-0.182 χ^2/NDF: 981324.3/52

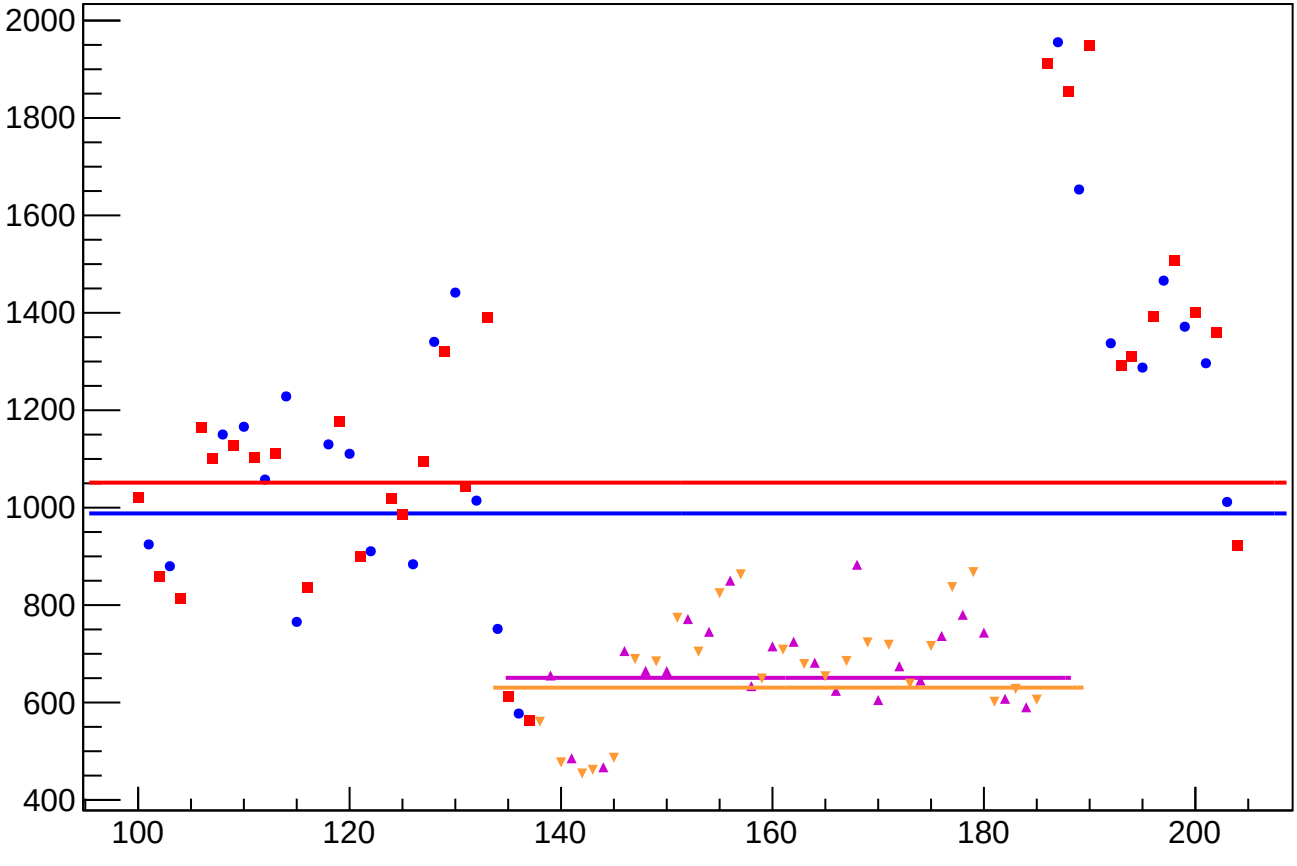
In: 1334.007+/-0.169 χ^2/NDF:773694.3/46

Out: 1335.730+/-0.161 χ^2/NDF:229576.6/53

All: 1334.908+/-0.117 χ^2/NDF: 1003325.3/10


asym_usr_atr1_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
4000
2000
0
−2000
−4000
−6000
−8000
−10000
100
120
140
160
180
200
Right In: 534.821+/-284.998 χ²/NDF: 23.8/23
Left Out: 419.899+/-146.436 χ²/NDF:41.5/24
Right Out: -483.207+/-282.402 χ²/NDF: 20.4/28
Left In: -65.405+/-154.225 χ²/NDF:27.0/22
Left: 189.810+/-106.193 χ²/NDF: 73.8/47
Right: 21.150+/-200.600 χ²/NDF: 50.6/52
In: 70.550+/-135.638 χ²/NDF:54.3/46
Out: 228.527+/-129.998 χ²/NDF:70.0/53
All: 152.891+/-93.853 χ²/NDF: 125.0/100

asym_usr_atr1_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 988.171+/-0.202 χ^2/NDF: 2170513.8/23

Left Out: 630.592+/-0.104 χ^2/NDF:1328610.2/24

Right Out: 1051.397+/-0.200 χ^2/NDF: 2443625.1/28

Left In: 650.638+/-0.109 χ^2/NDF:922087.6/22

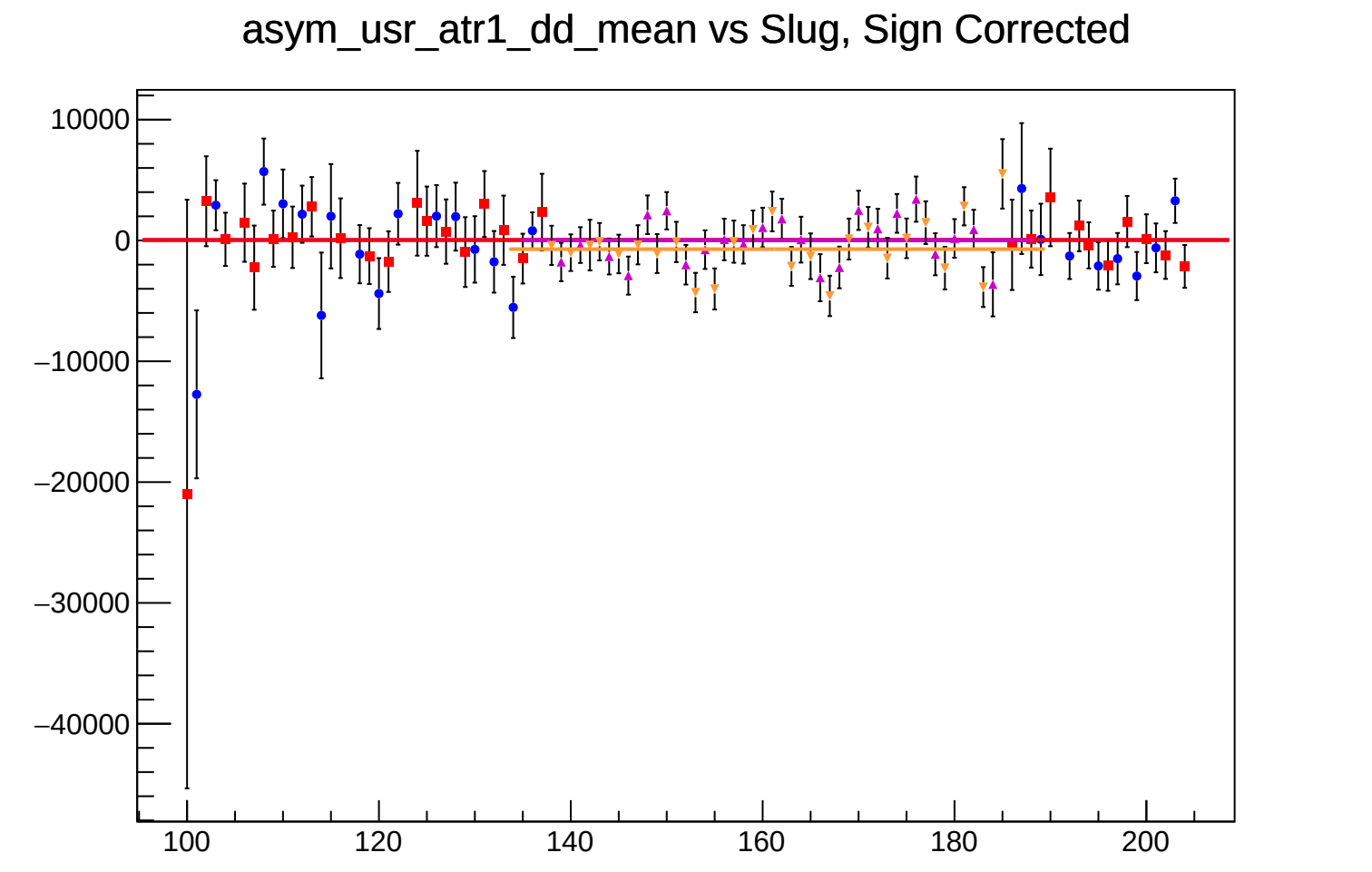
Left: 640.096+/-0.075 χ^2/NDF: 2268466.1/47

Right: 1020.073+/-0.142 χ^2/NDF: 4663805.1/52

In: 727.091+/-0.096 χ^2/NDF:5262485.1/46

Out: 719.763+/-0.092 χ^2/NDF:7271961.2/53

All: 723.271+/-0.066 χ^2/NDF: 12537489.6/10



Right In: 32.387+/-495.635 χ^2/NDF: 31.4/23

Left Out: -718.291+/-337.578 χ^2/NDF:37.7/24

Right Out: 47.843+/-470.650 χ^2/NDF: 12.2/28

Left In: 27.514+/-347.415 χ^2/NDF:28.0/22

Left: -356.097+/-242.106 χ^2/NDF: 68.1/47

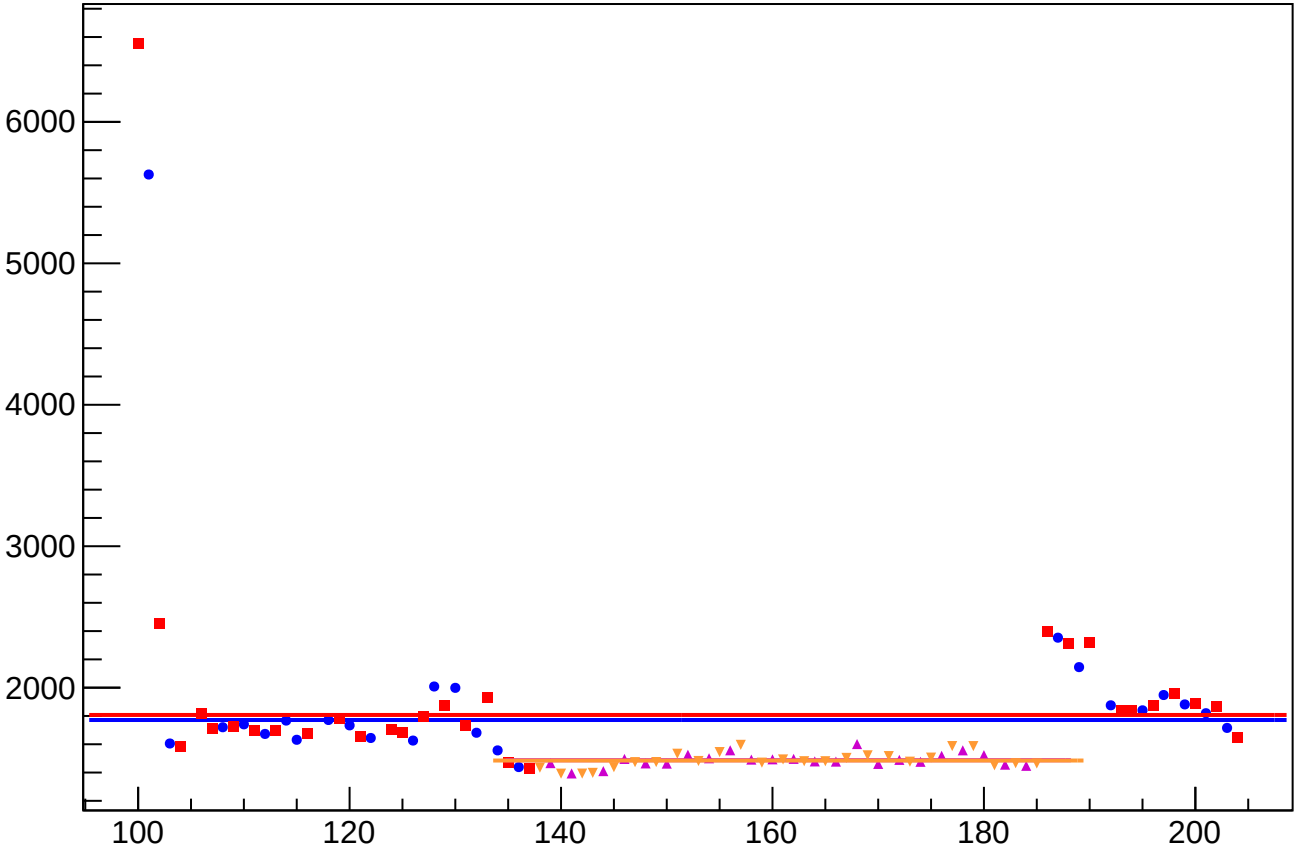
Right: 40.515+/-341.291 χ^2/NDF: 43.6/52

In: 29.120+/-284.486 χ^2/NDF:59.4/46

Out: -458.037+/-274.312 χ^2/NDF:51.7/53

All: -223.325+/-197.467 χ^2/NDF: 112.6/100

asym_usr_atr1_dd_rms vs Slug, Sign Corrected



Right In: 1771.438+/-0.350 χ^2/NDF: 873215.8/23

Left Out: 1484.960+/-0.239 χ^2/NDF:50905.1/24

Right Out: 1807.136+/-0.333 χ^2/NDF: 479506.0/28

Left In: 1487.112+/-0.246 χ^2/NDF:34817.2/22

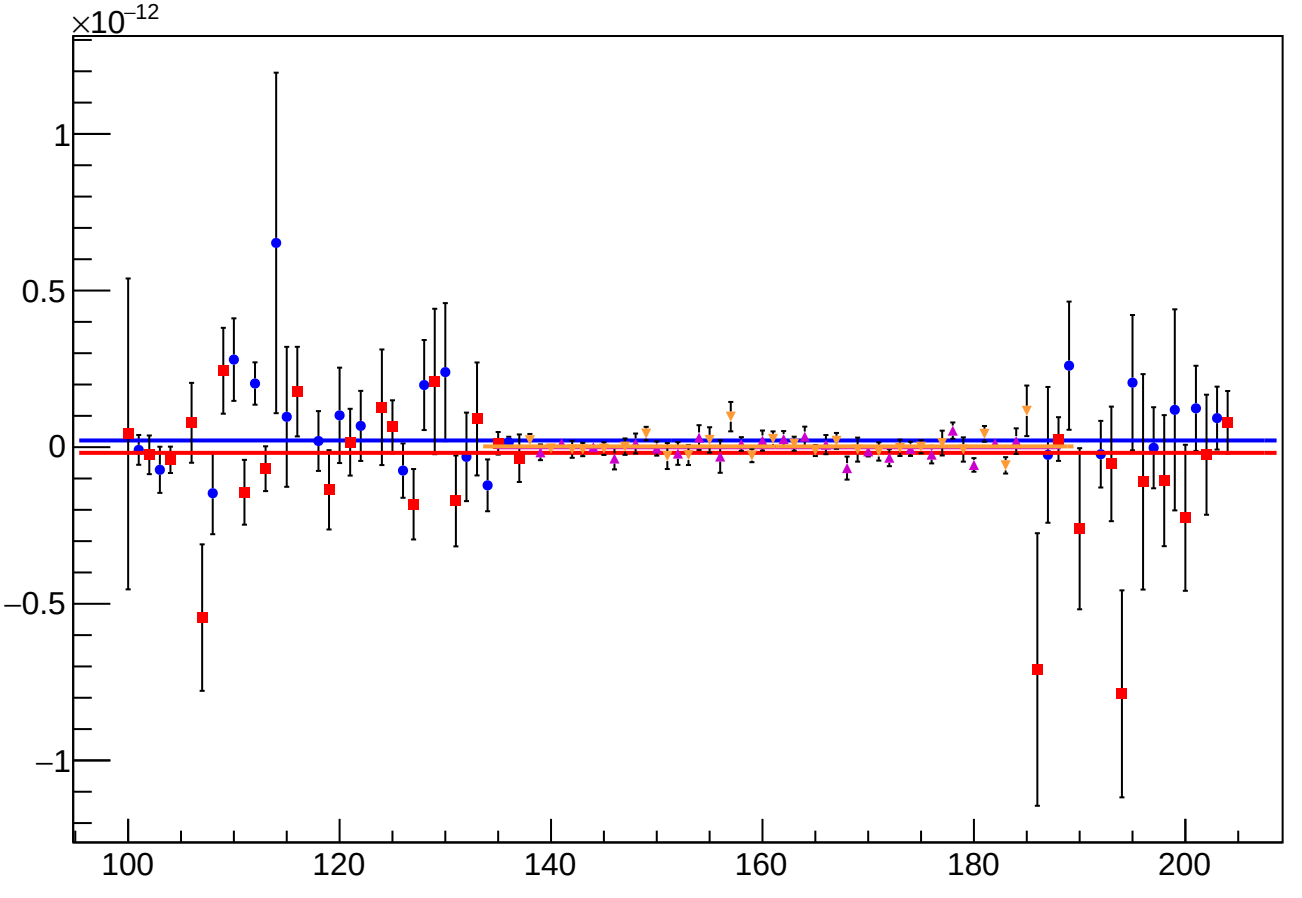
Left: 1486.005+/-0.171 χ^2/NDF: 85761.8/47

Right: 1790.210+/-0.241 χ^2/NDF: 1358177.5/52

In: 1580.786+/-0.201 χ^2/NDF:1349365.5/46

Out: 1594.403+/-0.194 χ^2/NDF:1149228.6/53

All: 1587.842+/-0.140 χ^2/NDF: 2500968.7/10



Right In: 0.000+/-0.000 χ^2/NDF: 27.1/23

Left Out: 0.000+/-0.000 χ^2/NDF:25.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 32.6/28

Left In: -0.000+/-0.000 χ^2/NDF:24.9/22

Left: 0.000+/-0.000 χ^2/NDF: 50.5/47

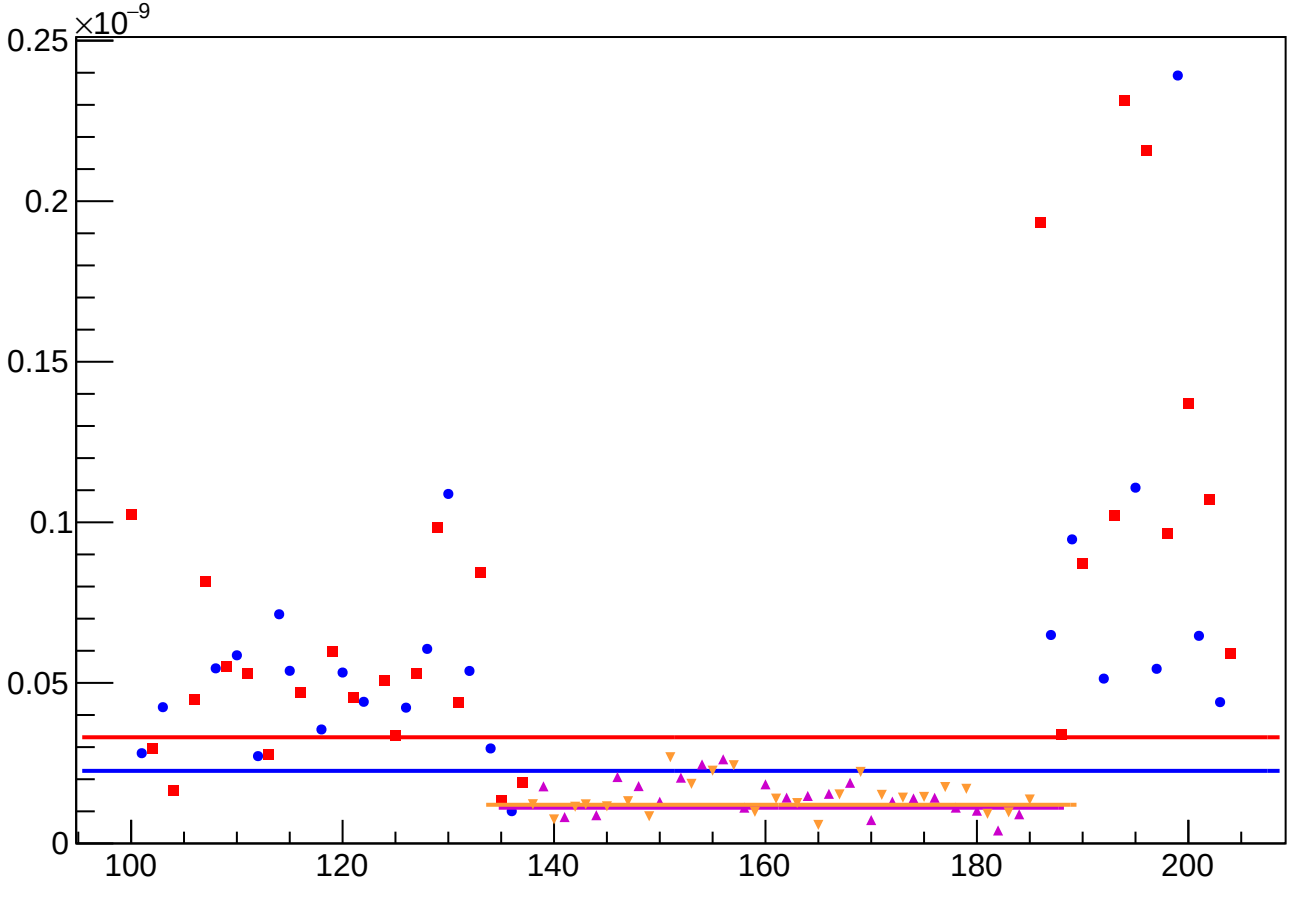
Right: 0.000+/-0.000 χ^2/NDF: 62.8/52

In: 0.000+/-0.000 χ^2/NDF:54.2/46

Out: 0.000+/-0.000 χ^2/NDF:59.3/53

All: 0.000+/-0.000 χ^2/NDF: 113.5/100

asym_usr_atr1_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 4490088.0/23

Left Out: 0.000+/-0.000 χ^2/NDF:1520224.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4766915.1/28

Left In: 0.000+/-0.000 χ^2/NDF:2209676.2/22

Left: 0.000+/-0.000 χ^2/NDF: 3765014.8/47

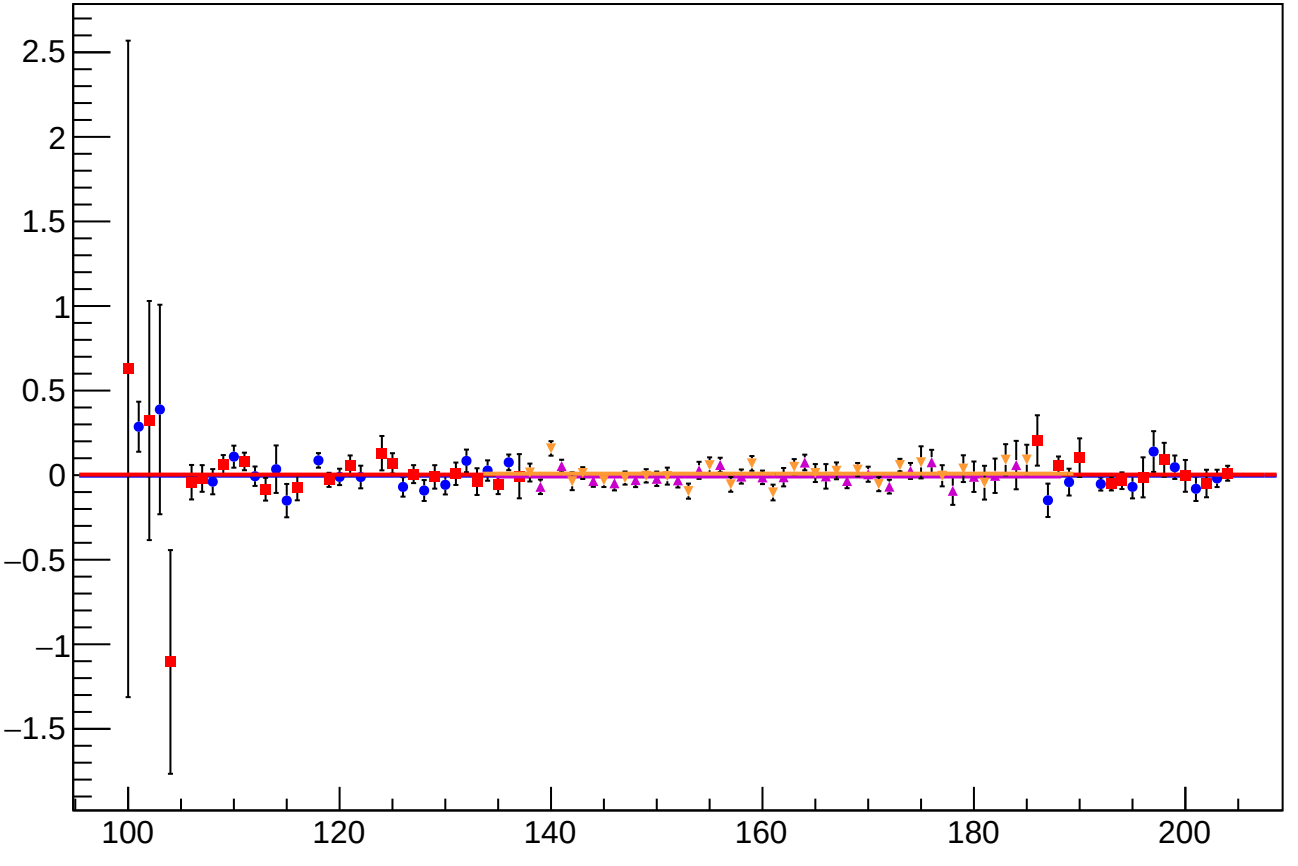
Right: 0.000+/-0.000 χ^2/NDF: 9689641.4/52

In: 0.000+/-0.000 χ^2/NDF:7924842.1/46

Out: 0.000+/-0.000 χ^2/NDF:8893246.8/53

All: 0.000+/-0.000 χ^2/NDF: 16883126.4/100

asym_usr_atr1_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.003+/-0.013 χ^2/NDF: 31.4/23

Left Out: 0.009+/-0.010 χ^2/NDF:38.6/24

Right Out: 0.003+/-0.013 χ^2/NDF: 22.2/28

Left In: -0.008+/-0.010 χ^2/NDF:18.9/22

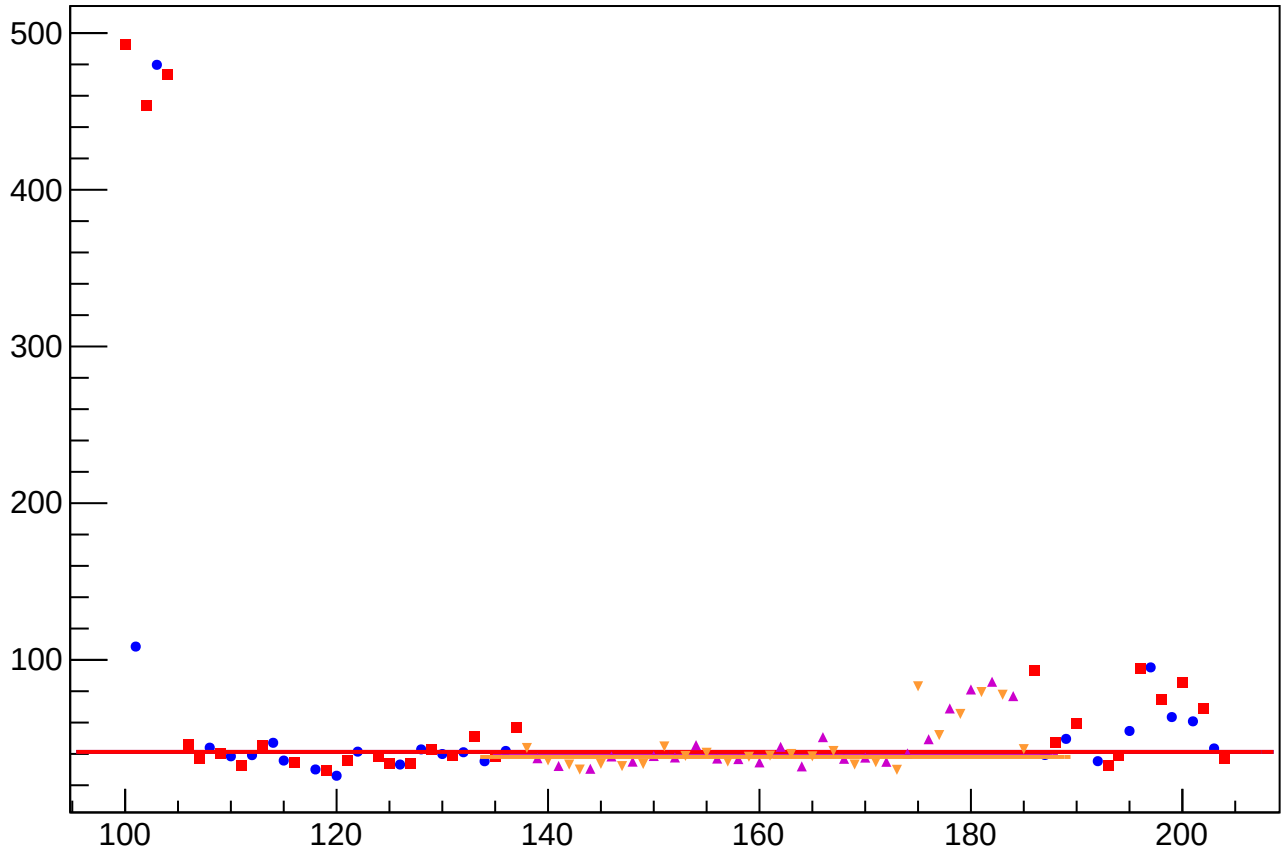
Left: 0.001+/-0.007 χ^2/NDF: 59.0/47

Right: 0.000+/-0.009 χ^2/NDF: 53.7/52

In: -0.006+/-0.008 χ^2/NDF:50.4/46

Out: 0.007+/-0.008 χ^2/NDF:60.9/53

All: 0.001+/-0.005 χ^2/NDF: 112.7/100



Right In: 41.253+/-0.009 χ^2/NDF: 2729772.1/23

Left Out: 38.067+/-0.007 χ^2/NDF:1967115.3/24

Right Out: 41.279+/-0.009 χ^2/NDF: 3796945.3/28

Left In: 38.630+/-0.007 χ^2/NDF:1727664.7/22

Left: 38.339+/-0.005 χ^2/NDF: 3698113.4/47

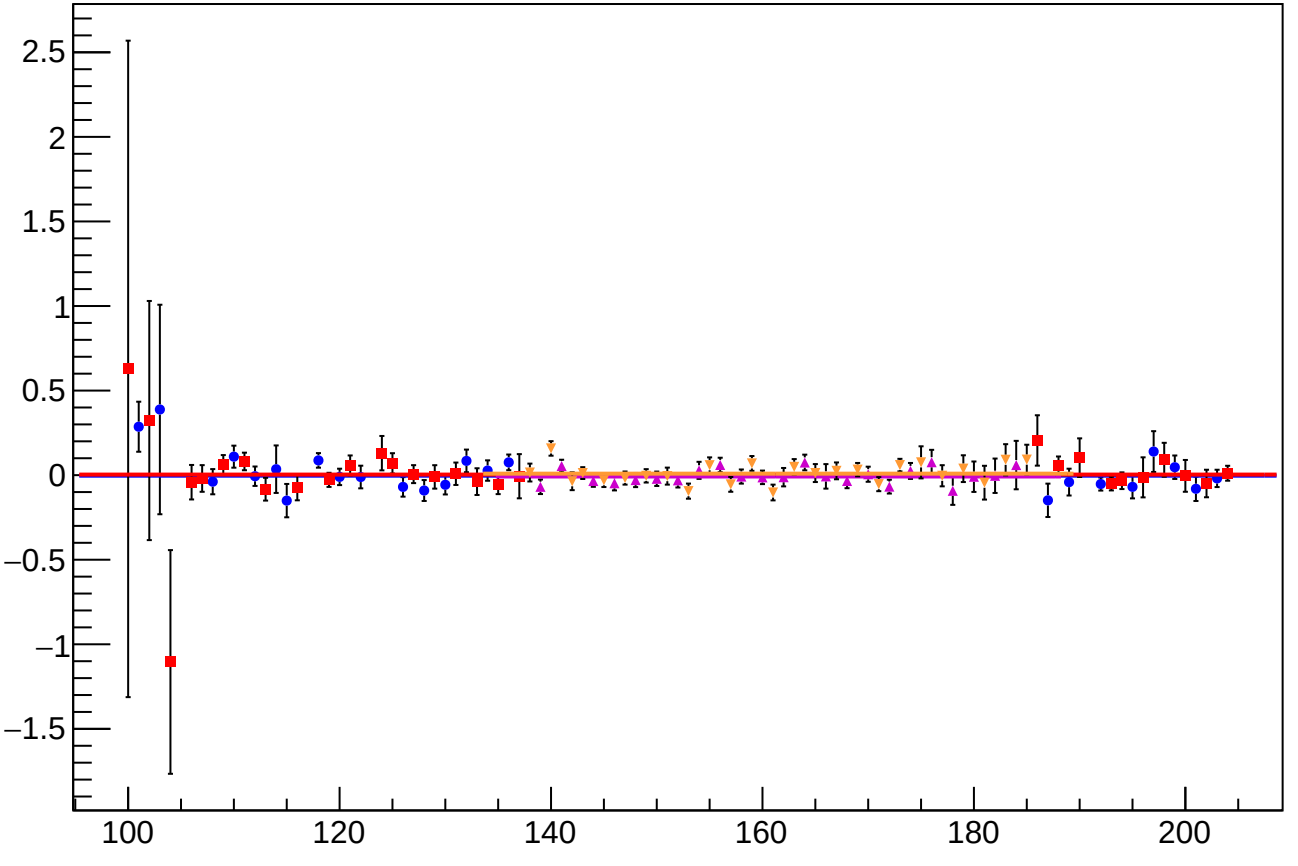
Right: 41.266+/-0.006 χ^2/NDF: 6526721.6/52

In: 39.596+/-0.006 χ^2/NDF:4508999.5/46

Out: 39.250+/-0.005 χ^2/NDF:5846989.9/53

All: 39.417+/-0.004 χ^2/NDF: 10357993.5/100

asym_usr_atr1_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.003+/-0.013 χ^2/NDF: 31.4/23

Left Out: 0.009+/-0.010 χ^2/NDF:38.6/24

Right Out: 0.003+/-0.013 χ^2/NDF: 22.2/28

Left In: -0.008+/-0.010 χ^2/NDF:18.9/22

Left: 0.001+/-0.007 χ^2/NDF: 59.0/47

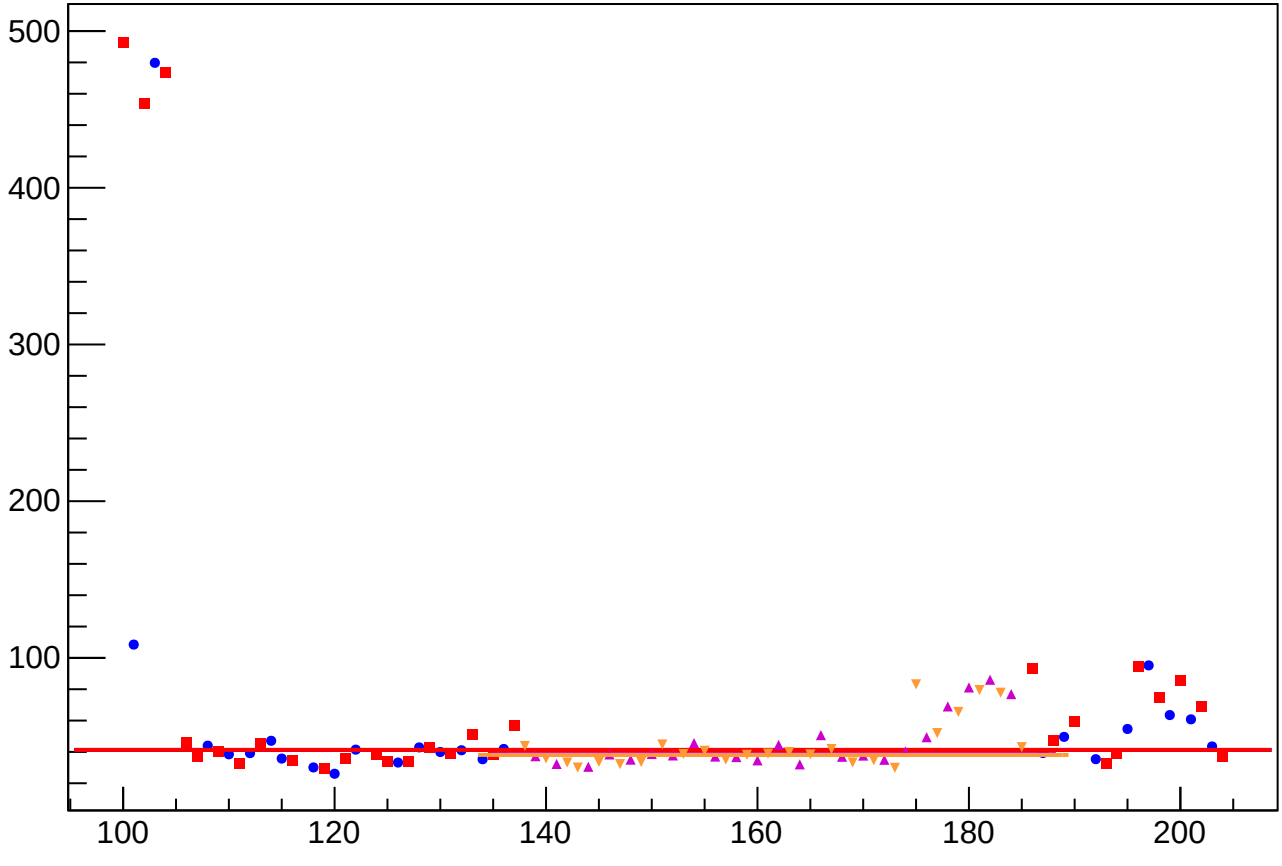
Right: 0.000+/-0.009 χ^2/NDF: 53.7/52

In: -0.006+/-0.008 χ^2/NDF:50.4/46

Out: 0.007+/-0.008 χ^2/NDF:60.9/53

All: 0.001+/-0.005 χ^2/NDF: 112.7/100

asym_usr_atr1_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.253+/-0.009 χ^2/NDF: 2729772.1/23

Left Out: 38.067+/-0.007 χ^2/NDF:1967115.3/24

Right Out: 41.279+/-0.009 χ^2/NDF: 3796945.3/28

Left In: 38.630+/-0.007 χ^2/NDF:1727664.7/22

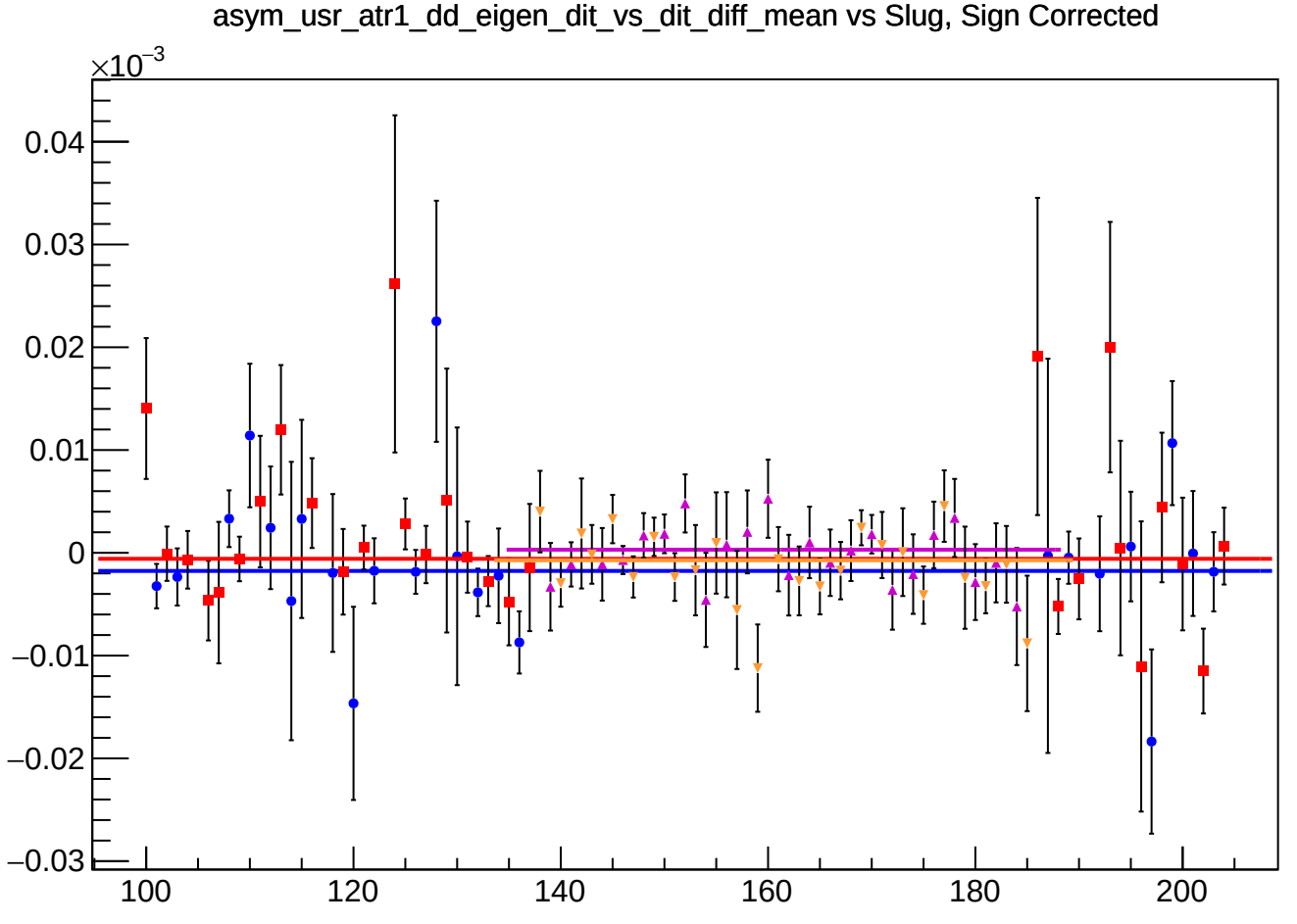
Left: 38.339+/-0.005 χ^2/NDF: 3698113.4/47

Right: 41.266+/-0.006 χ^2/NDF: 6526721.6/52

In: 39.596+/-0.006 χ^2/NDF:4508999.5/46

Out: 39.250+/-0.005 χ^2/NDF:5846989.9/53

All: 39.417+/-0.004 χ^2/NDF: 10357993.5/100



Right In: -0.000+/-0.000 χ^2/NDF: 28.8/23

Left Out: -0.000+/-0.000 χ^2/NDF:26.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 35.0/28

Left In: 0.000+/-0.000 χ^2/NDF:13.8/22

Left: -0.000+/-0.000 χ^2/NDF: 41.9/47

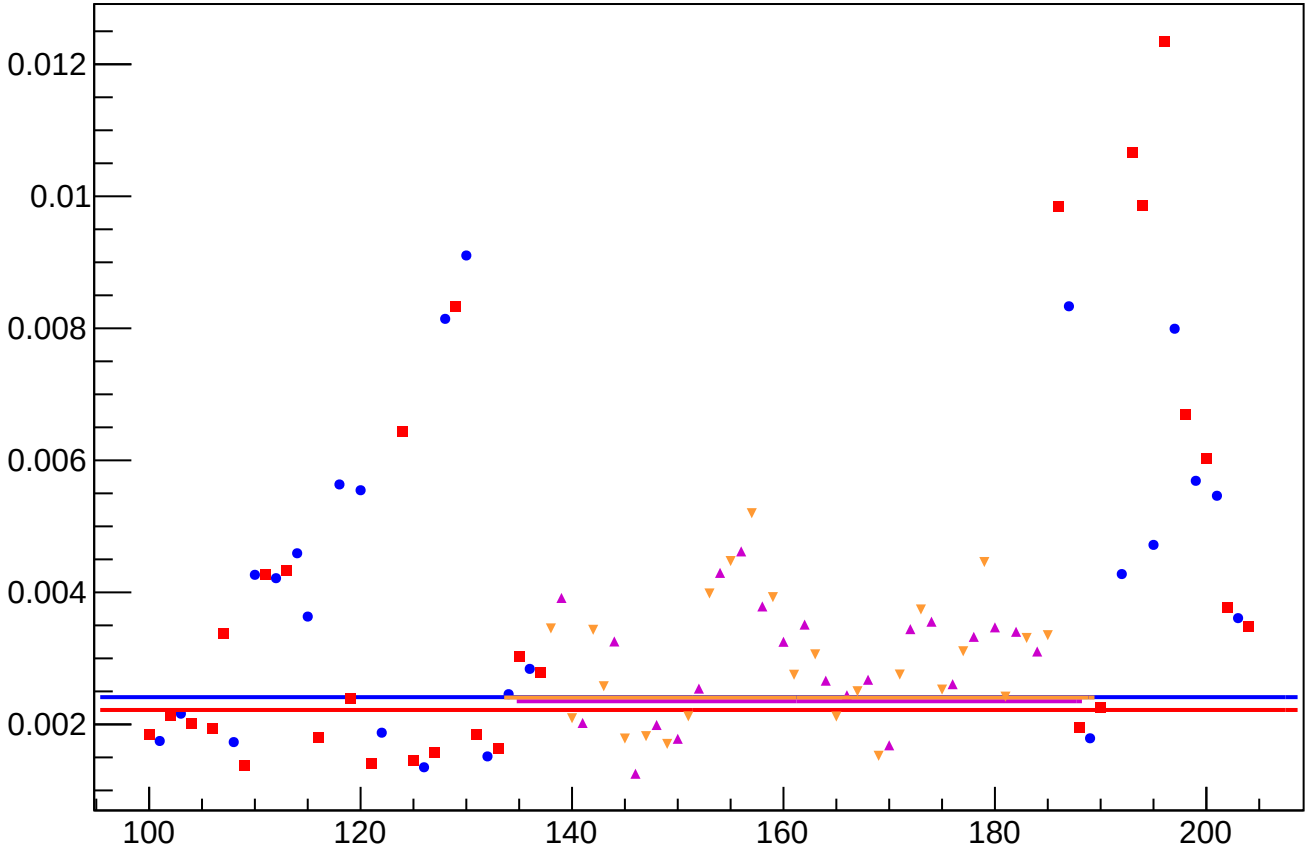
Right: -0.000+/-0.000 χ^2/NDF: 65.0/52

In: -0.000+/-0.000 χ^2/NDF:47.0/46

Out: -0.000+/-0.000 χ^2/NDF:61.6/53

All: -0.000+/-0.000 χ^2/NDF: 108.6/100

asym_usr_atr1_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 6223220.4/23

Left Out: 0.002+/-0.000 χ^2/NDF:3682960.0/24

Right Out: 0.002+/-0.000 χ^2/NDF: 7778636.1/28

Left In: 0.002+/-0.000 χ^2/NDF:4438139.5/22

Left: 0.002+/-0.000 χ^2/NDF: 8130379.7/47

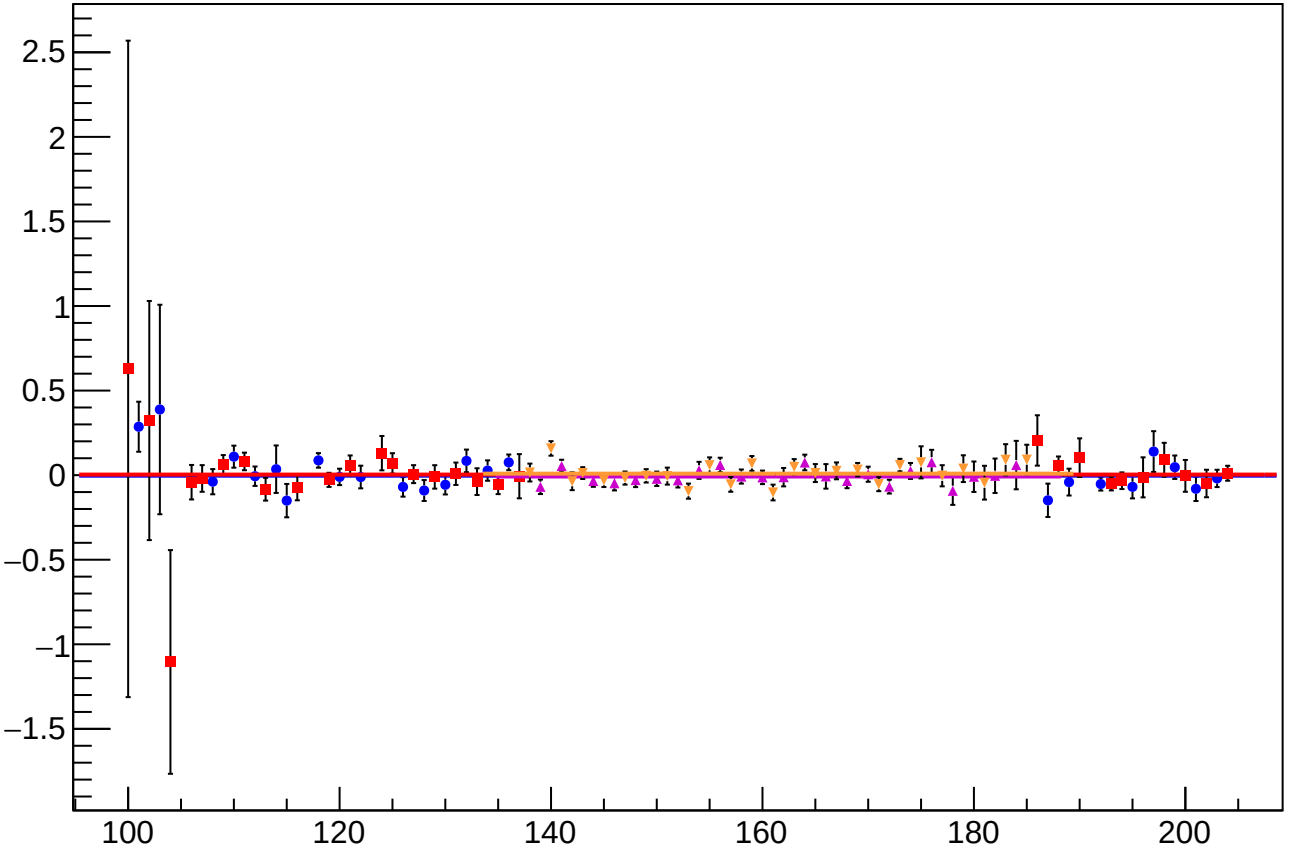
Right: 0.002+/-0.000 χ^2/NDF: 14069260.5/52

In: 0.002+/-0.000 χ^2/NDF:10669317.3/46

Out: 0.002+/-0.000 χ^2/NDF:11546591.8/53

All: 0.002+/-0.000 χ^2/NDF: 22224369.3/100

asym_usr_atr1_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.003+/-0.013 χ^2/NDF: 31.4/23

Left Out: 0.009+/-0.010 χ^2/NDF:38.6/24

Right Out: 0.003+/-0.013 χ^2/NDF: 22.2/28

Left In: -0.008+/-0.010 χ^2/NDF:18.9/22

Left: 0.001+/-0.007 χ^2/NDF: 59.0/47

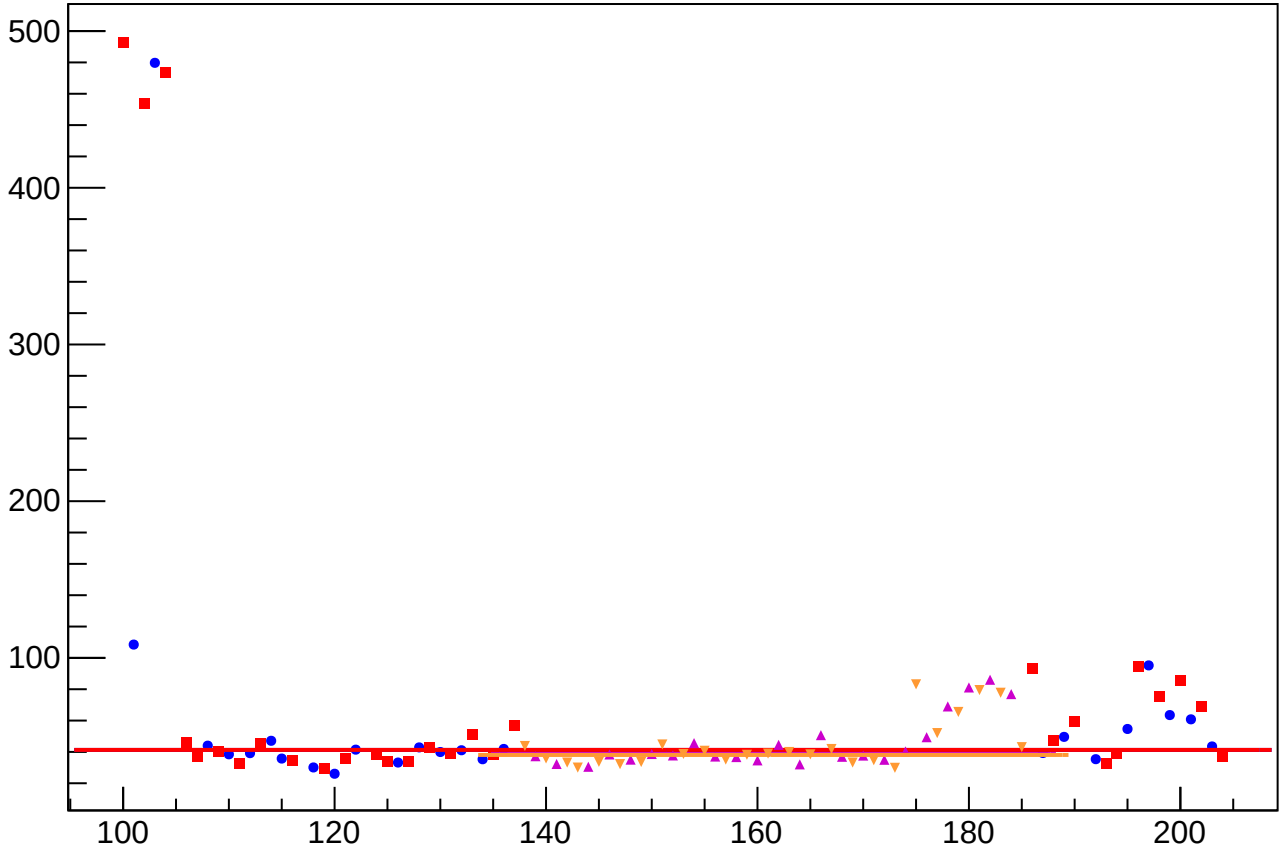
Right: 0.000+/-0.009 χ^2/NDF: 53.7/52

In: -0.006+/-0.008 χ^2/NDF:50.4/46

Out: 0.007+/-0.008 χ^2/NDF:60.9/53

All: 0.001+/-0.005 χ^2/NDF: 112.7/100

asym_usr_atr1_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.252+/-0.009 χ^2/NDF: 2729911.9/23

Left Out: 38.067+/-0.007 χ^2/NDF:1967110.9/24

Right Out: 41.276+/-0.009 χ^2/NDF: 3797418.7/28

Left In: 38.630+/-0.007 χ^2/NDF:1727699.0/22

Left: 38.338+/-0.005 χ^2/NDF: 3698141.3/47

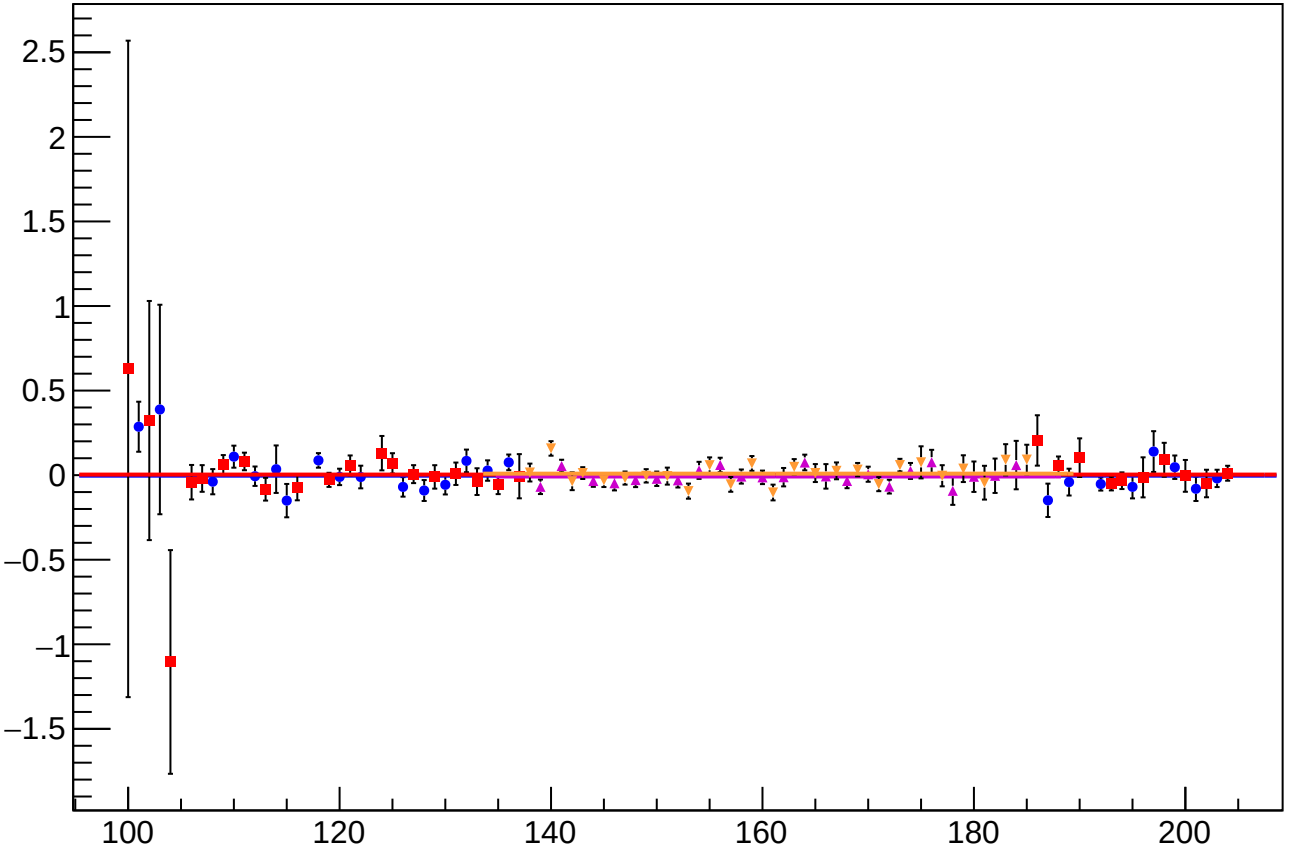
Right: 41.264+/-0.006 χ^2/NDF: 6527334.0/52

In: 39.596+/-0.006 χ^2/NDF:4509157.2/46

Out: 39.248+/-0.005 χ^2/NDF:5847305.3/53

All: 39.416+/-0.004 χ^2/NDF: 10358475.2/100

asym_usr_atr1_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.003+/-0.013 χ^2/NDF: 31.4/23

Left Out: 0.009+/-0.010 χ^2/NDF:38.6/24

Right Out: 0.003+/-0.013 χ^2/NDF: 22.2/28

Left In: -0.008+/-0.010 χ^2/NDF:18.9/22

Left: 0.001+/-0.007 χ^2/NDF: 59.0/47

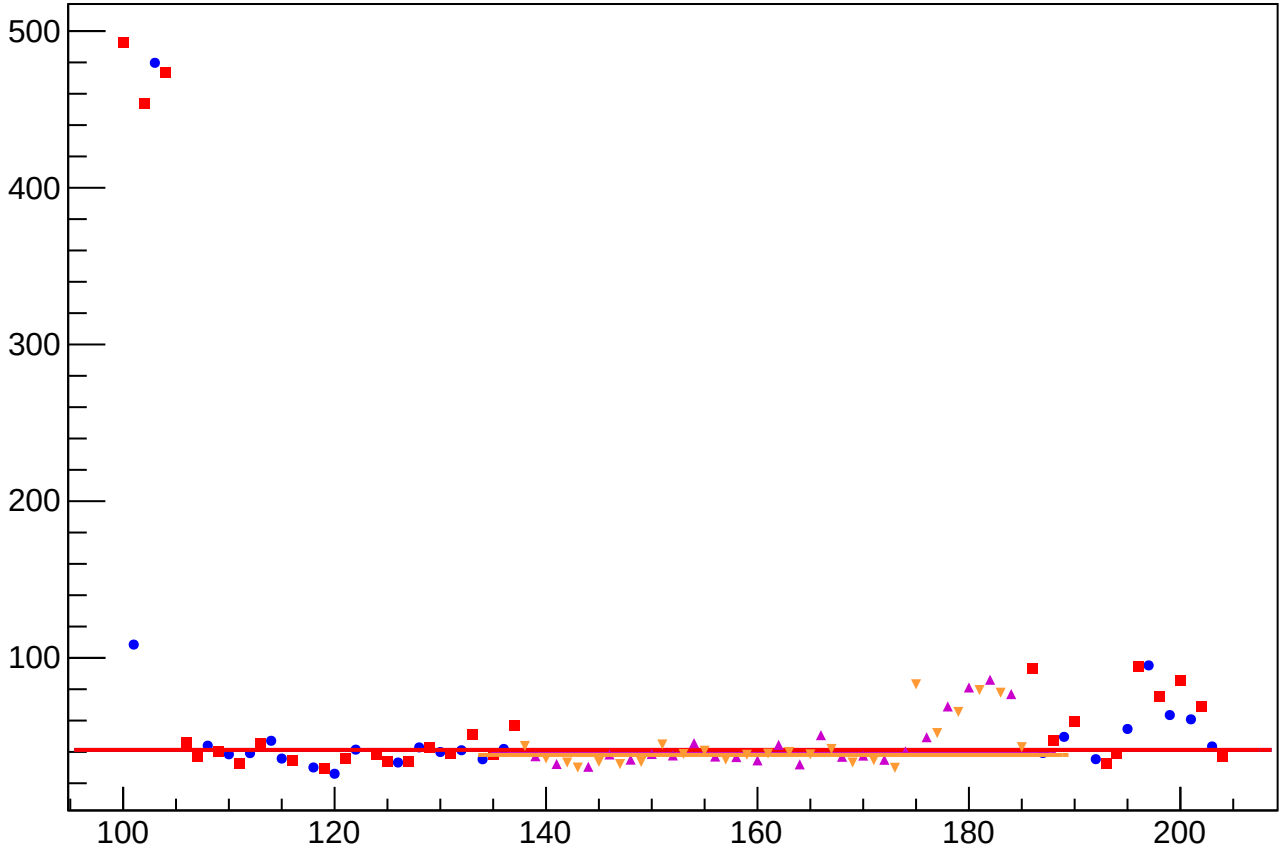
Right: 0.000+/-0.009 χ^2/NDF: 53.7/52

In: -0.006+/-0.008 χ^2/NDF:50.4/46

Out: 0.007+/-0.008 χ^2/NDF:60.9/53

All: 0.001+/-0.005 χ^2/NDF: 112.7/100

asym_usr_atr1_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.252+/-0.009 χ^2/NDF: 2729911.9/23

Left Out: 38.067+/-0.007 χ^2/NDF:1967110.9/24

Right Out: 41.276+/-0.009 χ^2/NDF: 3797418.7/28

Left In: 38.630+/-0.007 χ^2/NDF:1727699.0/22

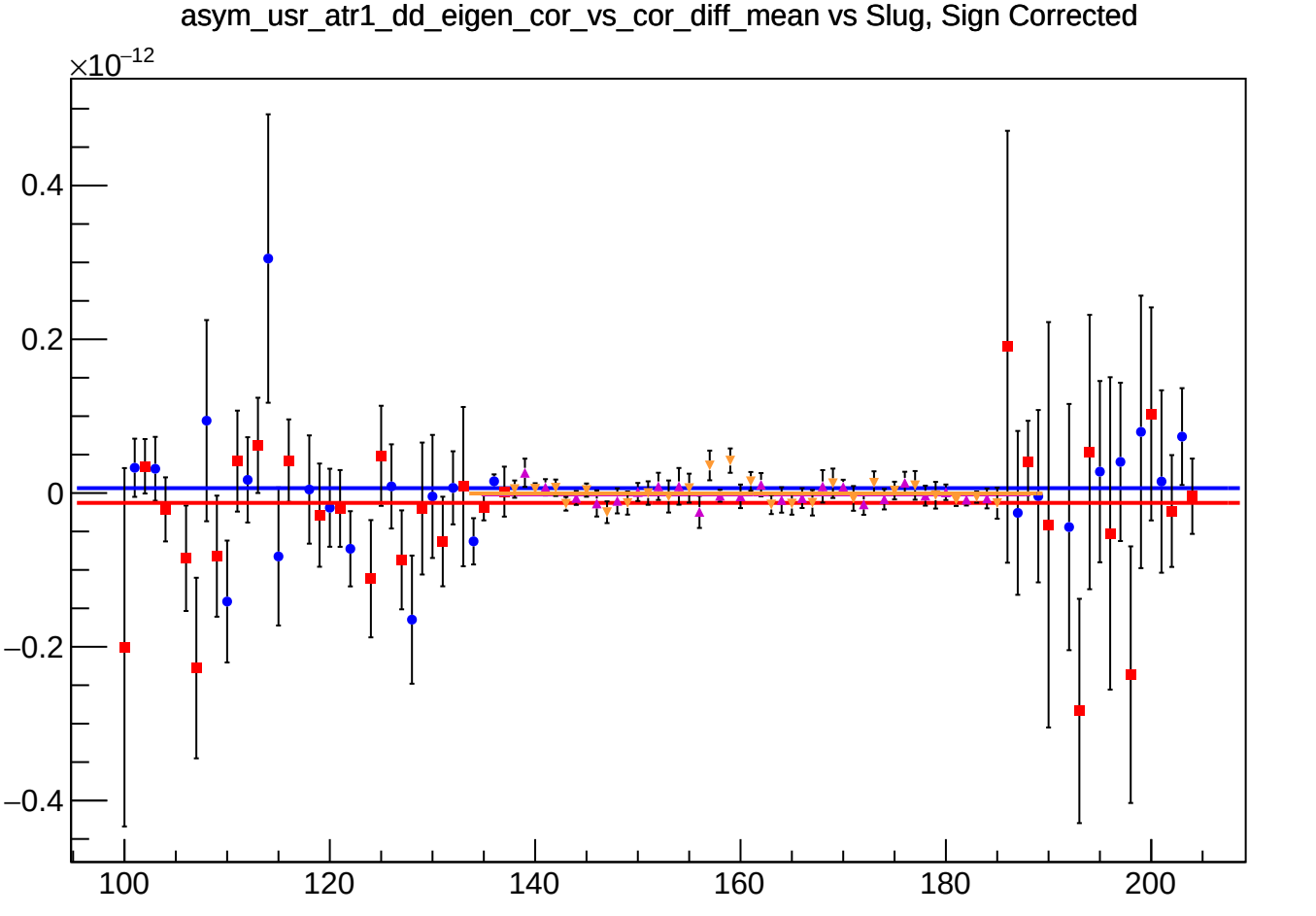
Left: 38.338+/-0.005 χ^2/NDF: 3698141.3/47

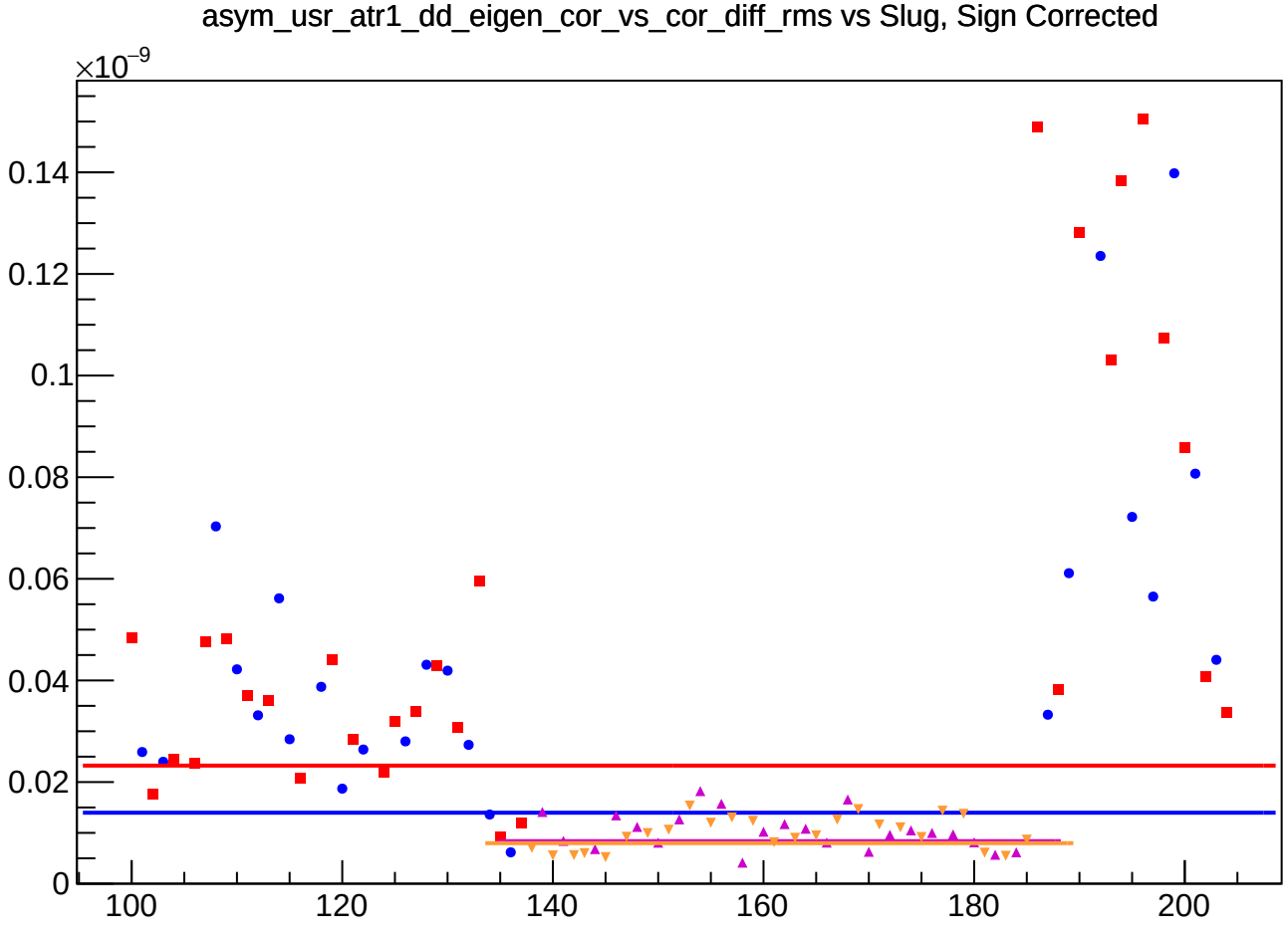
Right: 41.264+/-0.006 χ^2/NDF: 6527334.0/52

In: 39.596+/-0.006 χ^2/NDF:4509157.2/46

Out: 39.248+/-0.005 χ^2/NDF:5847305.3/53

All: 39.416+/-0.004 χ^2/NDF: 10358475.2/100


asym_usr_atr1_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.4
0.2
0
−0.2
−0.4
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 23.3/23
Left Out: -0.000+/-0.000 χ²/NDF:26.9/24
Right Out: -0.000+/-0.000 χ²/NDF: 23.7/28
Left In: -0.000+/-0.000 χ²/NDF:11.6/22
Left: -0.000+/-0.000 χ²/NDF: 38.6/47
Right: -0.000+/-0.000 χ²/NDF: 49.4/52
In: -0.000+/-0.000 χ²/NDF:36.0/46
Out: -0.000+/-0.000 χ²/NDF:52.1/53
All: -0.000+/-0.000 χ²/NDF: 88.1/100



Right In: 0.000+/-0.000 χ^2/NDF: 8284266.0/23

Left Out: 0.000+/-0.000 χ^2/NDF:2831909.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7069277.9/28

Left In: 0.000+/-0.000 χ^2/NDF:2786396.2/22

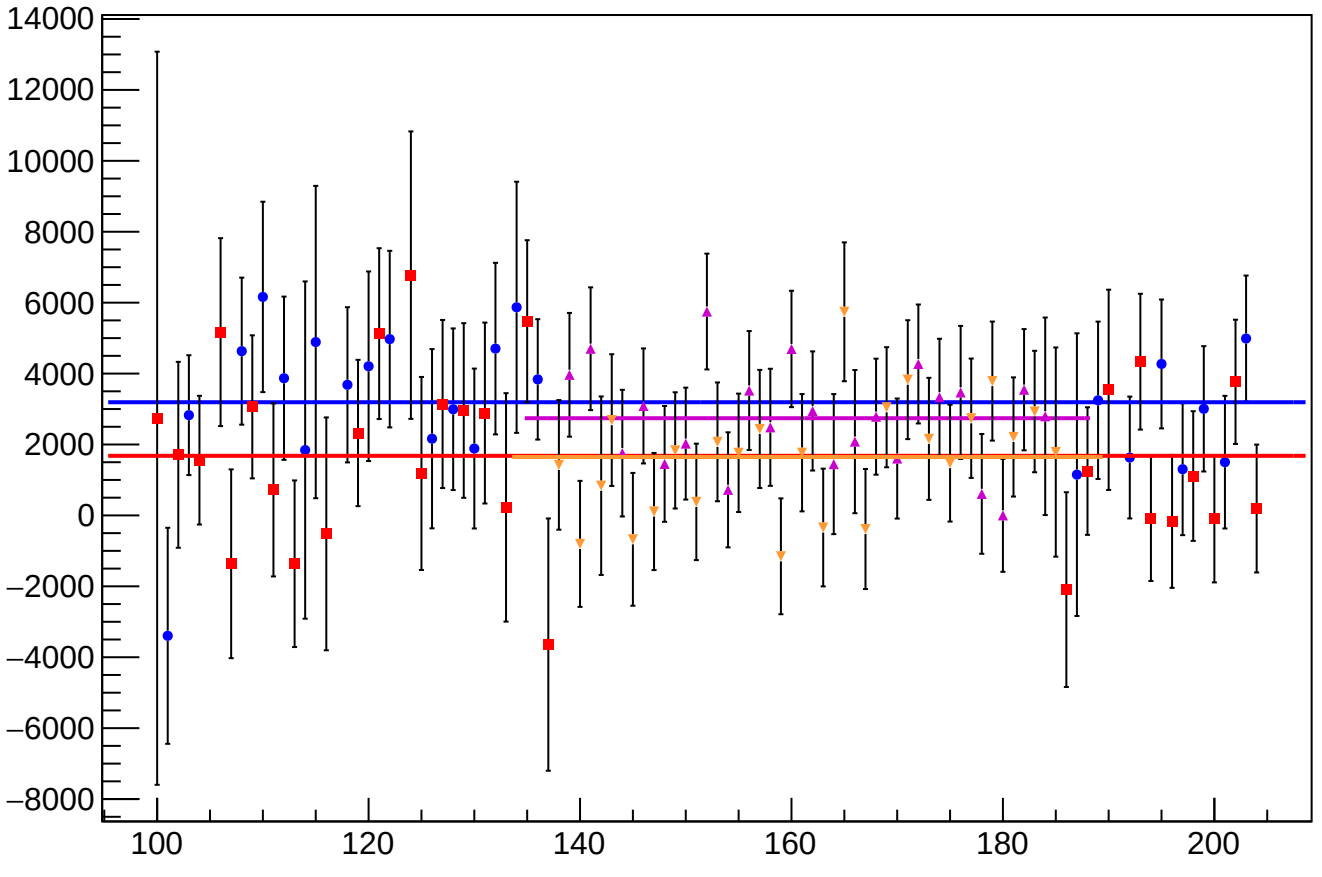
Left: 0.000+/-0.000 χ^2/NDF: 5643069.5/47

Right: 0.000+/-0.000 χ^2/NDF: 16474400.0/52

In: 0.000+/-0.000 χ^2/NDF:12088121.9/46

Out: 0.000+/-0.000 χ^2/NDF:14363634.5/53

All: 0.000+/-0.000 χ^2/NDF: 26455652.1/100



Right In: 3191.898+/-452.377 χ^2/NDF: 13.4/23

Left Out: 1646.402+/-349.758 χ^2/NDF:21.0/24

Right Out: 1680.709+/-423.035 χ^2/NDF: 25.1/28

Left In: 2740.924+/-358.458 χ^2/NDF:16.4/22

Left: 2180.220+/-250.336 χ^2/NDF: 42.3/47

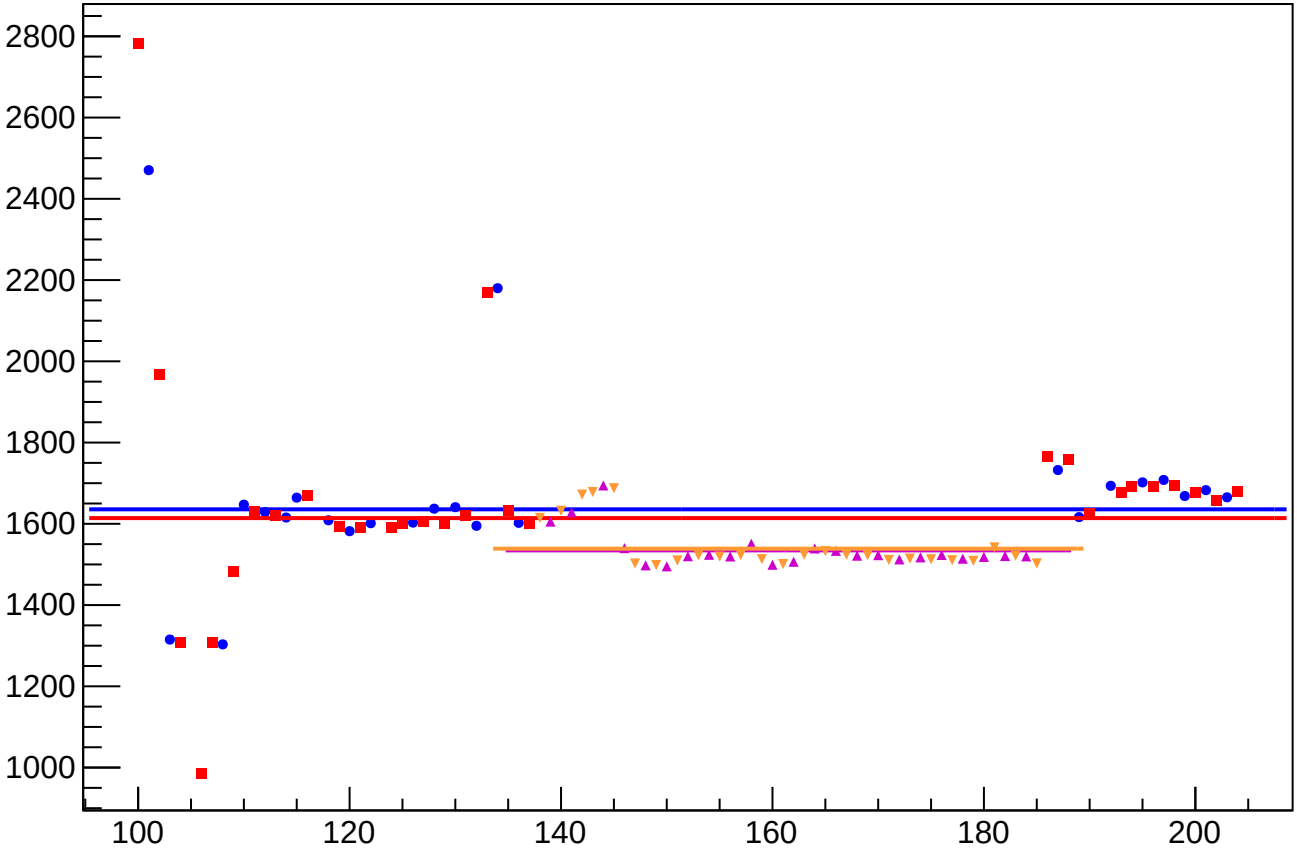
Right: 2385.707+/-308.984 χ^2/NDF: 44.5/52

In: 2914.866+/-280.949 χ^2/NDF:30.4/46

Out: 1660.331+/-269.558 χ^2/NDF:46.2/53

All: 2261.651+/-194.509 χ^2/NDF: 87.0/100

reg_asym_usr_atr2_avg_rms vs Slug, Sign Corrected



Right In: 1635.646+/-0.320 χ^2/NDF: 335907.6/23

Left Out: 1538.810+/-0.247 χ^2/NDF:47056.2/24

Right Out: 1614.078+/-0.297 χ^2/NDF: 443307.5/28

Left In: 1534.615+/-0.253 χ^2/NDF:31120.6/22

Left: 1536.764+/-0.177 χ^2/NDF: 78317.2/47

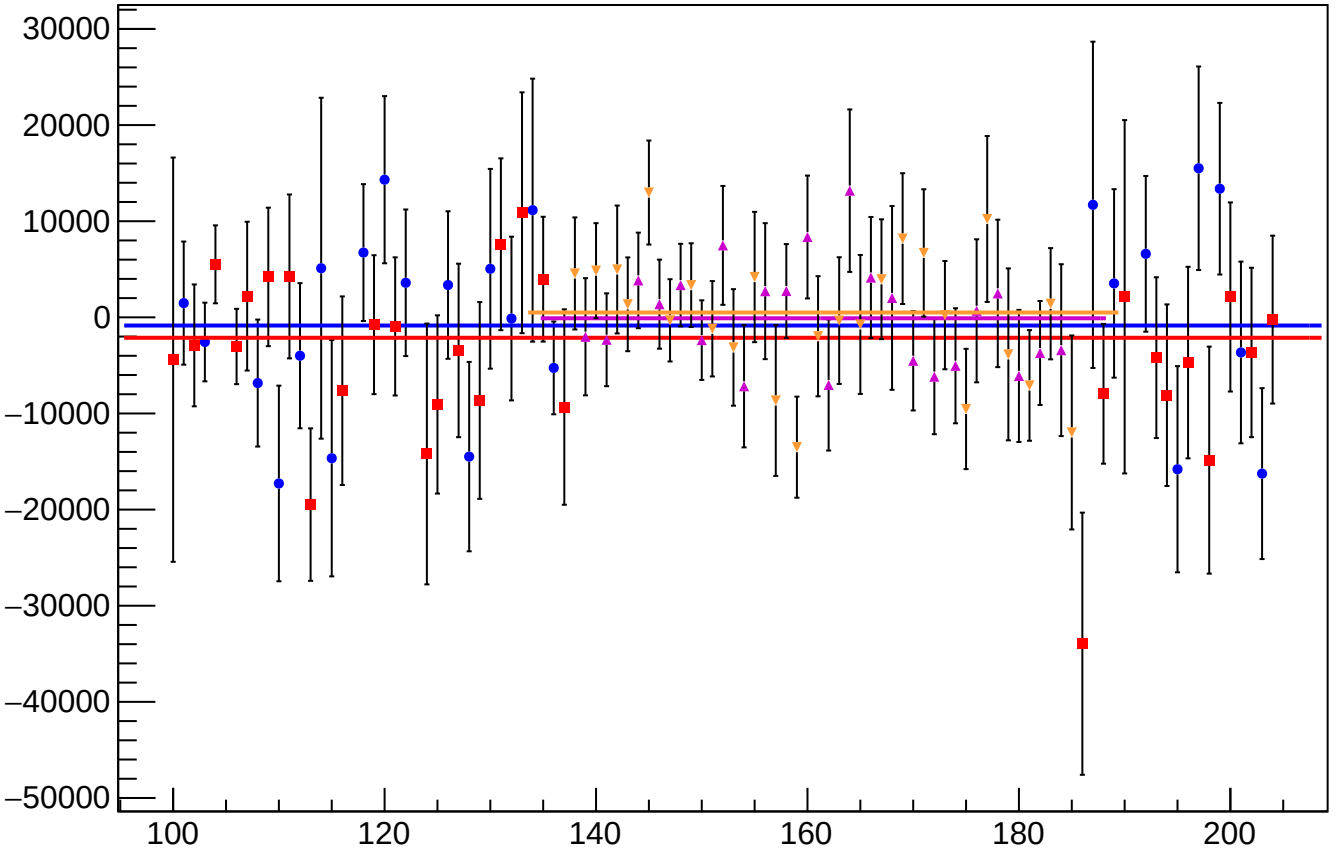
Right: 1624.045+/-0.217 χ^2/NDF: 781660.4/52

In: 1573.583+/-0.199 χ^2/NDF:428308.5/46

Out: 1569.690+/-0.190 χ^2/NDF:528363.5/53

All: 1571.549+/-0.137 χ^2/NDF: 956872.6/100

asym_usr_atr2_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -852.549+/-1631.116 χ^2/NDF: 25.5/23

Left Out: 503.846+/-1187.304 χ^2/NDF:26.8/24

Right Out: -2126.610+/-1466.130 χ^2/NDF: 24.0/28

Left In: -97.910+/-1217.585 χ^2/NDF:14.9/22

Left: 210.544+/-850.054 χ^2/NDF: 41.8/47

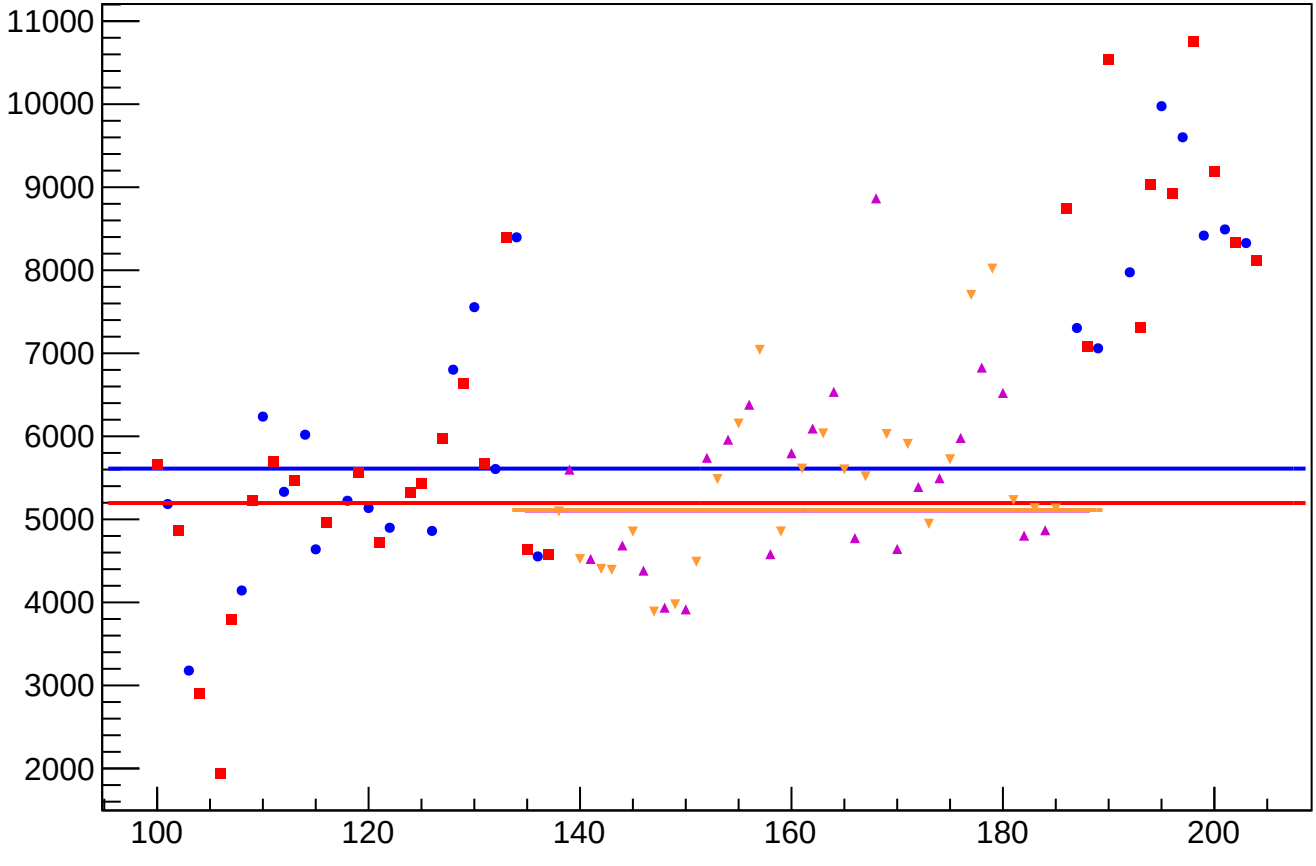
Right: -1557.255+/-1090.389 χ^2/NDF: 49.8/52

In: -367.943+/-975.717 χ^2/NDF:40.5/46

Out: -537.989+/-922.692 χ^2/NDF:52.7/53

All: -457.712+/-670.404 χ^2/NDF: 93.3/100

asym_usr_atr2_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 5611.216+/-1.153 χ^2/NDF: 2584017.9/23

Left Out: 5112.954+/-0.840 χ^2/NDF:1159010.4/24

Right Out: 5196.714+/-1.037 χ^2/NDF: 4760603.4/28

Left In: 5106.386+/-0.861 χ^2/NDF:1251622.3/22

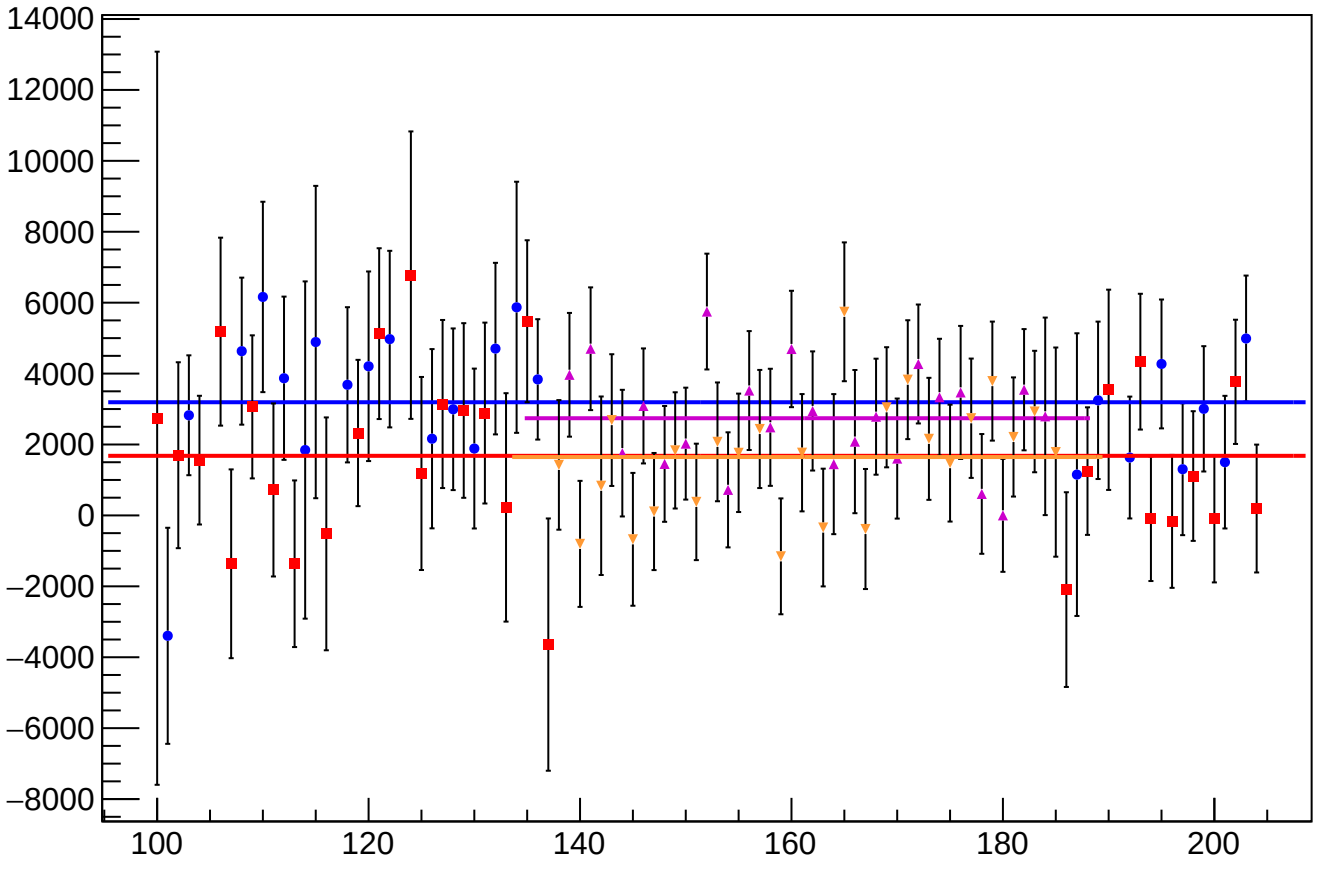
Left: 5109.752+/-0.601 χ^2/NDF: 2410662.5/47

Right: 5381.948+/-0.771 χ^2/NDF: 7416059.6/52

In: 5287.030+/-0.690 χ^2/NDF:3958667.2/46

Out: 5146.128+/-0.652 χ^2/NDF:5923556.1/53

All: 5212.647+/-0.474 χ^2/NDF: 9904241.0/10



Right In: 3191.767+/-452.377 χ^2/NDF: 13.4/23

Left Out: 1646.294+/-349.758 χ^2/NDF:21.0/24

Right Out: 1680.695+/-423.036 χ^2/NDF: 25.1/28

Left In: 2740.826+/-358.458 χ^2/NDF:16.4/22

Left: 2180.117+/-250.336 χ^2/NDF: 42.3/47

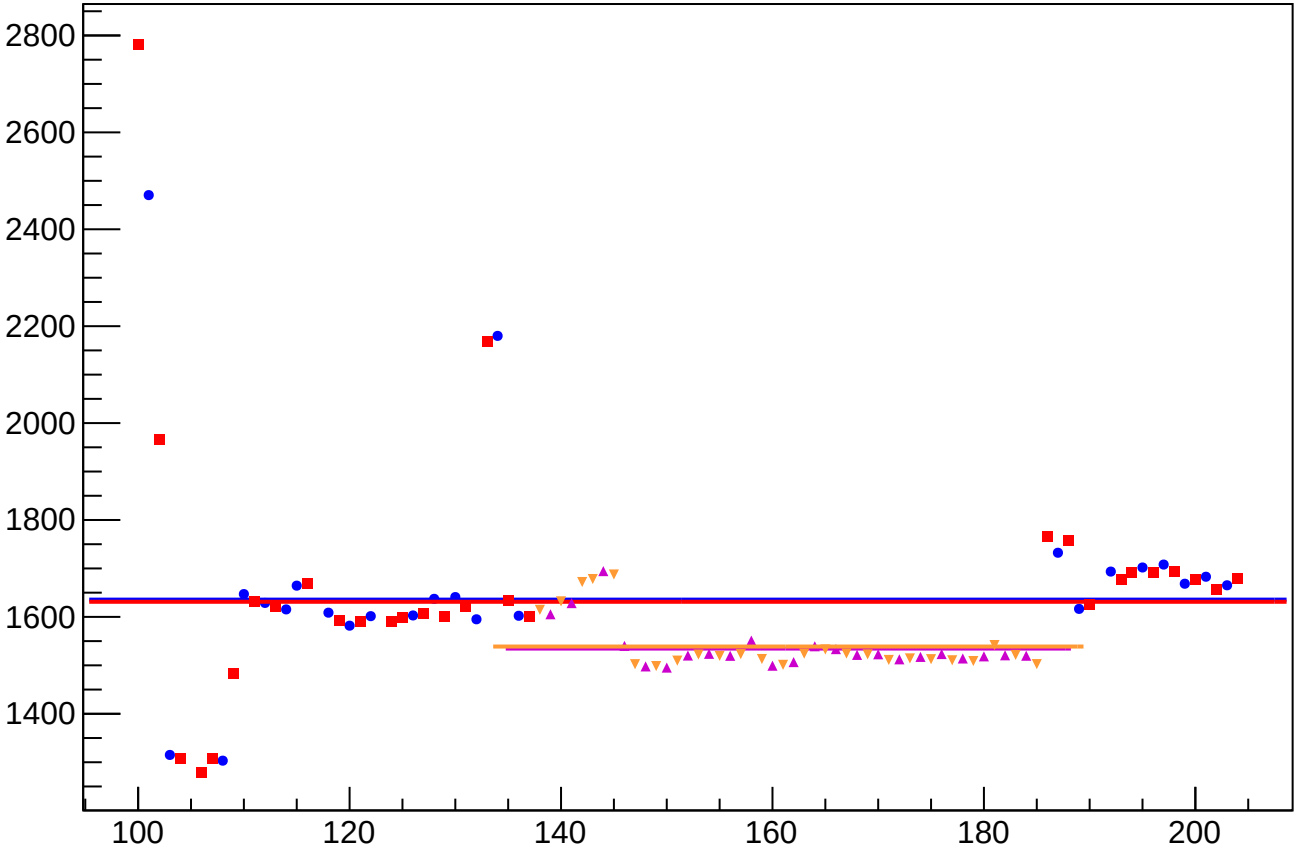
Right: 2385.641+/-308.984 χ^2/NDF: 44.5/52

In: 2914.756+/-280.949 χ^2/NDF:30.4/46

Out: 1660.261+/-269.558 χ^2/NDF:46.2/53

All: 2261.563+/-194.509 χ^2/NDF: 87.0/100

cor_asym_usr_atr2_avg_rms vs Slug, Sign Corrected



Right In: 1635.646+/-0.320 χ^2/NDF: 335906.7/23

Left Out: 1538.810+/-0.247 χ^2/NDF:47056.2/24

Right Out: 1631.193+/-0.299 χ^2/NDF: 286991.7/28

Left In: 1534.615+/-0.253 χ^2/NDF:31120.6/22

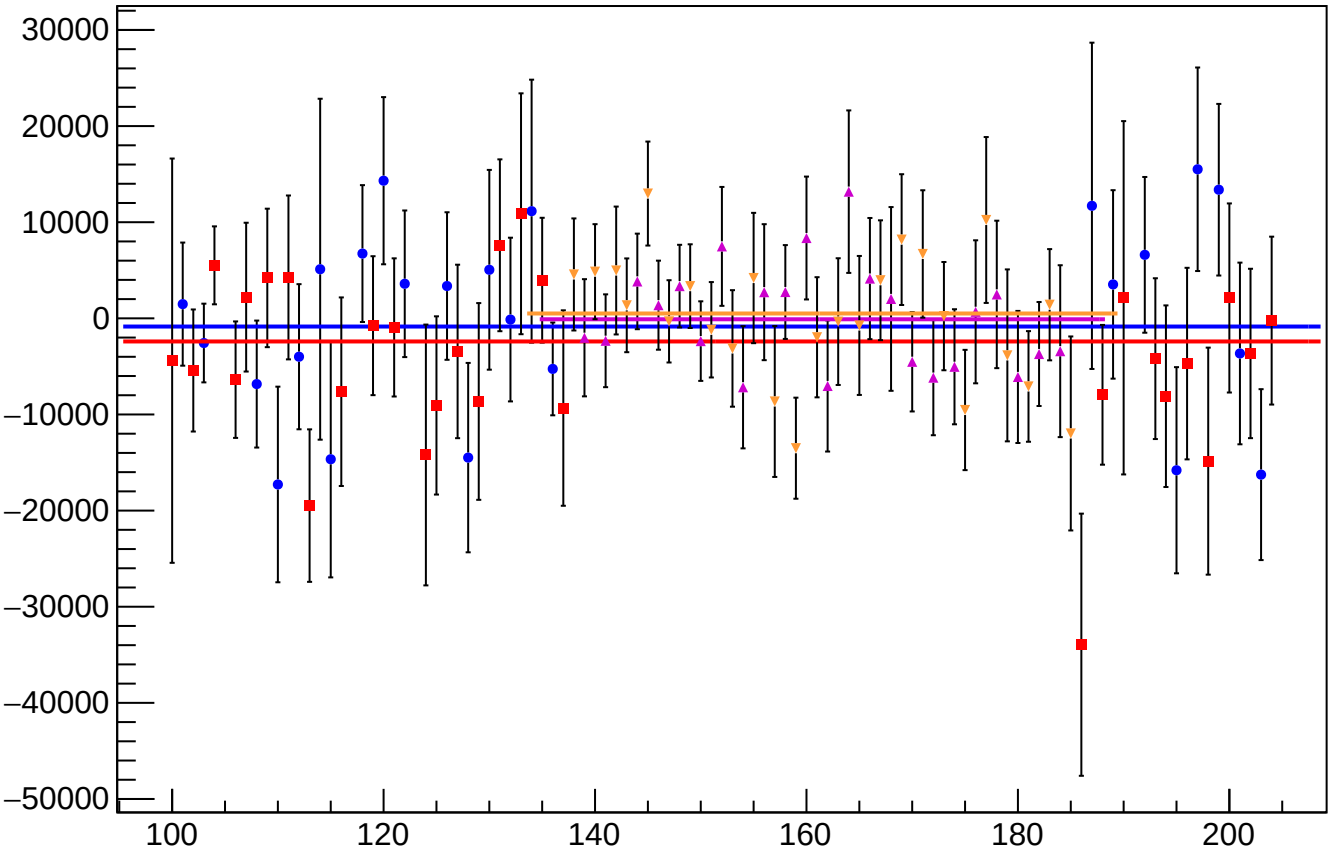
Left: 1536.764+/-0.177 χ^2/NDF: 78317.1/47

Right: 1633.266+/-0.218 χ^2/NDF: 623001.9/52

In: 1573.583+/-0.199 χ^2/NDF:428307.7/46

Out: 1576.411+/-0.190 χ^2/NDF:390839.5/53

All: 1575.056+/-0.137 χ^2/NDF: 819252.8/100



Right In: -852.662+/-1631.142 χ^2/NDF: 25.5/23

Left Out: 503.849+/-1187.302 χ^2/NDF:26.8/24

Right Out: -2405.122+/-1529.964 χ^2/NDF: 24.6/28

Left In: -97.930+/-1217.585 χ^2/NDF:14.9/22

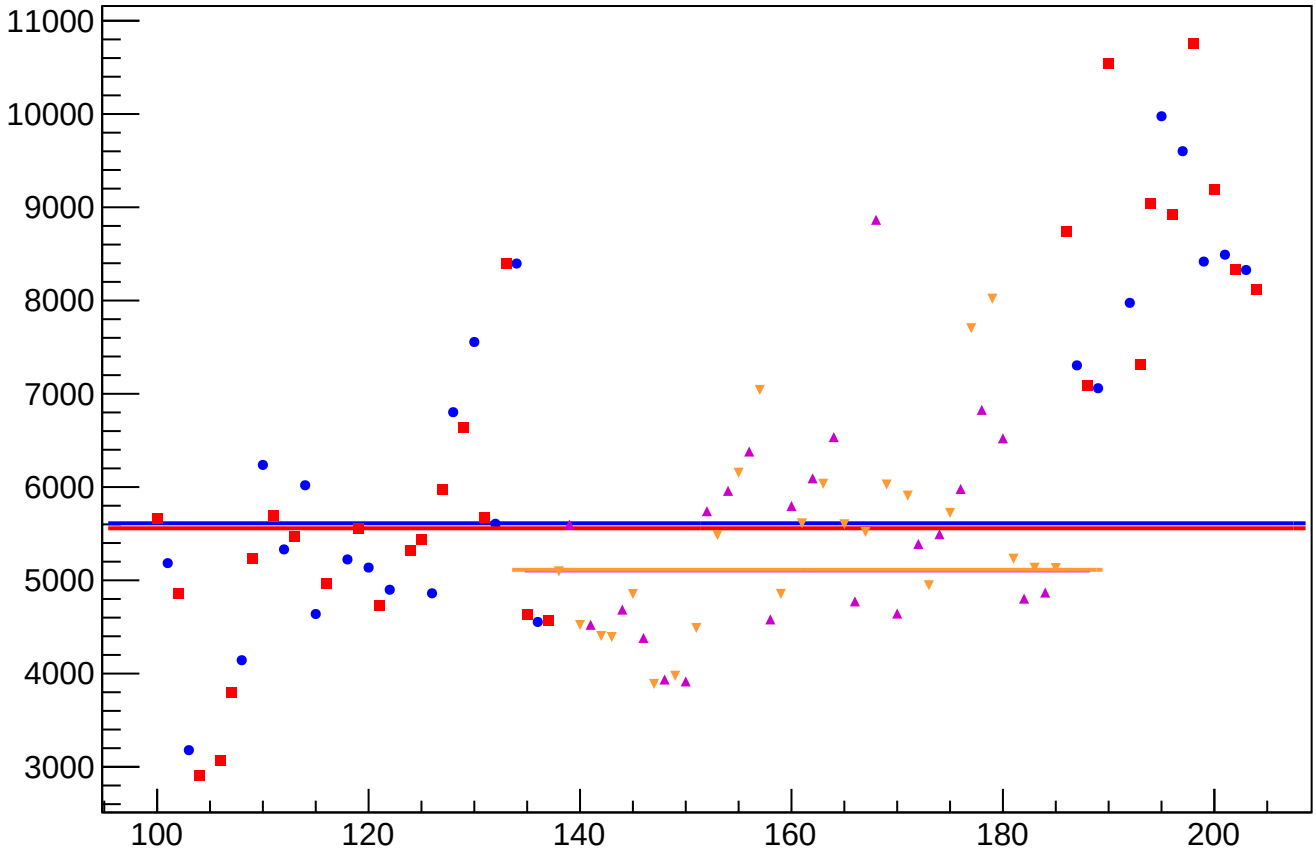
Left: 210.536+/-850.054 χ^2/NDF: 41.8/47

Right: -1678.531+/-1115.903 χ^2/NDF: 50.6/52

In: -367.991+/-975.722 χ^2/NDF:40.5/46

Out: -589.542+/-937.993 χ^2/NDF:53.7/53

All: -483.133+/-676.206 χ^2/NDF: 94.3/100



Right In: 5611.347+/-1.153 χ^2/NDF: 2583680.4/23

Left Out: 5112.947+/-0.840 χ^2/NDF:1159023.2/24

Right Out: 5557.979+/-1.082 χ^2/NDF: 3512527.9/28

Left In: 5106.384+/-0.861 χ^2/NDF:1251622.9/22

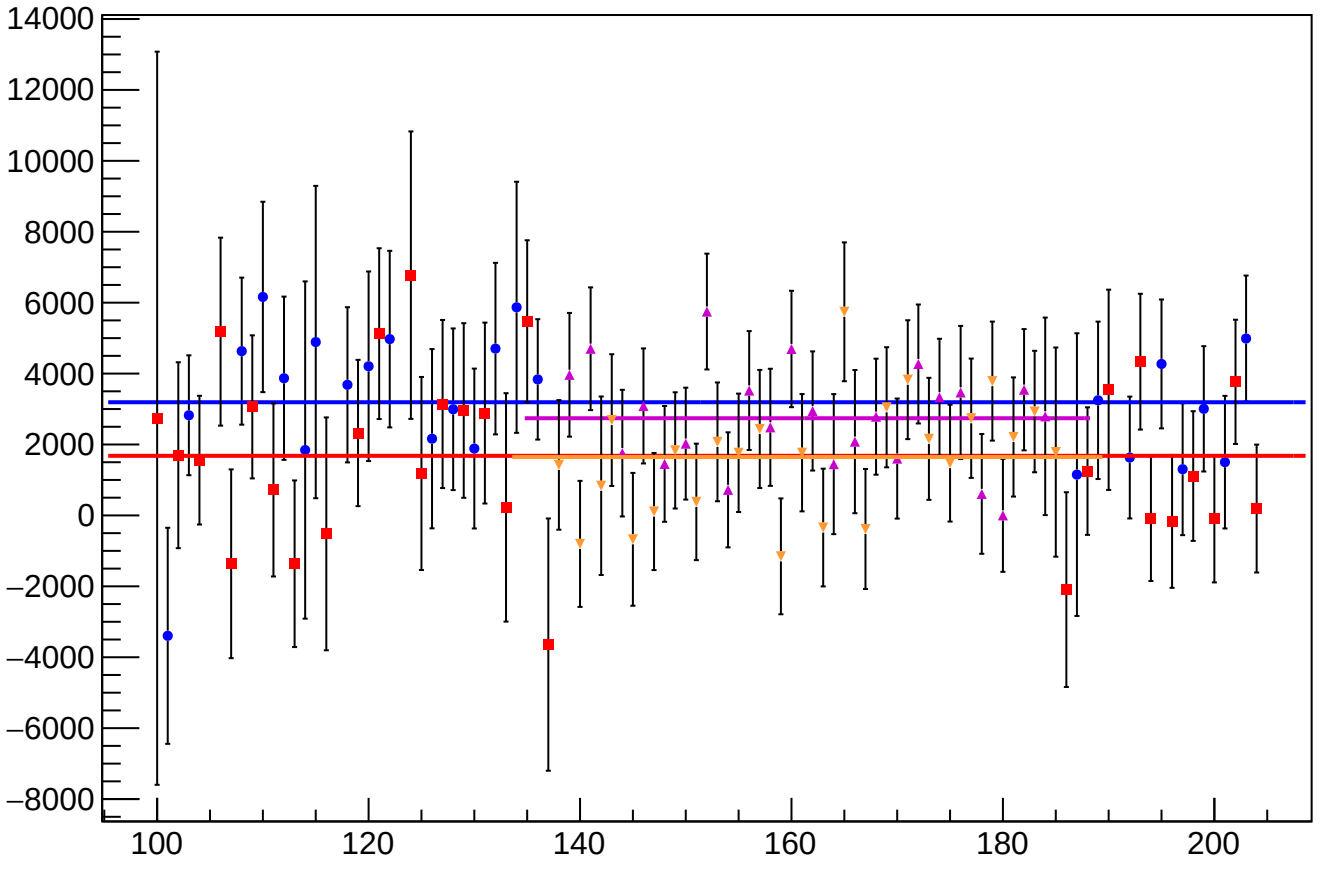
Left: 5109.748+/-0.601 χ^2/NDF: 2410675.9/47

Right: 5582.957+/-0.789 χ^2/NDF: 6097347.3/52

In: 5287.072+/-0.690 χ^2/NDF:3958392.7/46

Out: 5280.220+/-0.663 χ^2/NDF:4777166.5/53

All: 5283.511+/-0.478 χ^2/NDF: 8735610.4/10



Right In: 3191.767+/-452.377 χ^2/NDF: 13.4/23

Left Out: 1646.294+/-349.758 χ^2/NDF:21.0/24

Right Out: 1680.695+/-423.036 χ^2/NDF: 25.1/28

Left In: 2740.826+/-358.458 χ^2/NDF:16.4/22

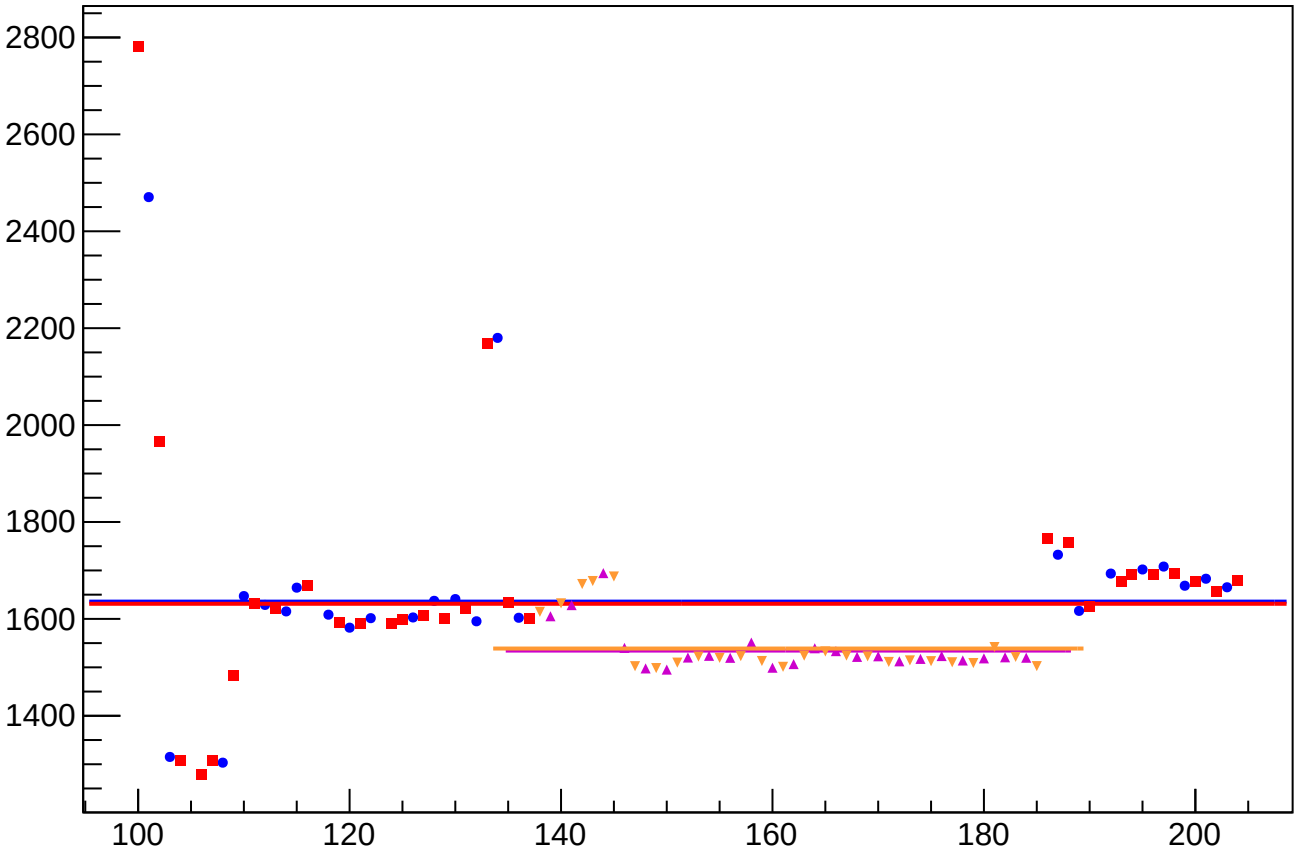
Left: 2180.117+/-250.336 χ^2/NDF: 42.3/47

Right: 2385.641+/-308.984 χ^2/NDF: 44.5/52

In: 2914.756+/-280.949 χ^2/NDF:30.4/46

Out: 1660.261+/-269.558 χ^2/NDF:46.2/53

All: 2261.563+/-194.509 χ^2/NDF: 87.0/100



Right In: 1635.646+/-0.320 χ^2/NDF: 335906.7/23

Left Out: 1538.810+/-0.247 χ^2/NDF:47056.2/24

Right Out: 1631.193+/-0.299 χ^2/NDF: 286991.7/28

Left In: 1534.615+/-0.253 χ^2/NDF:31120.6/22

Left: 1536.764+/-0.177 χ^2/NDF: 78317.1/47

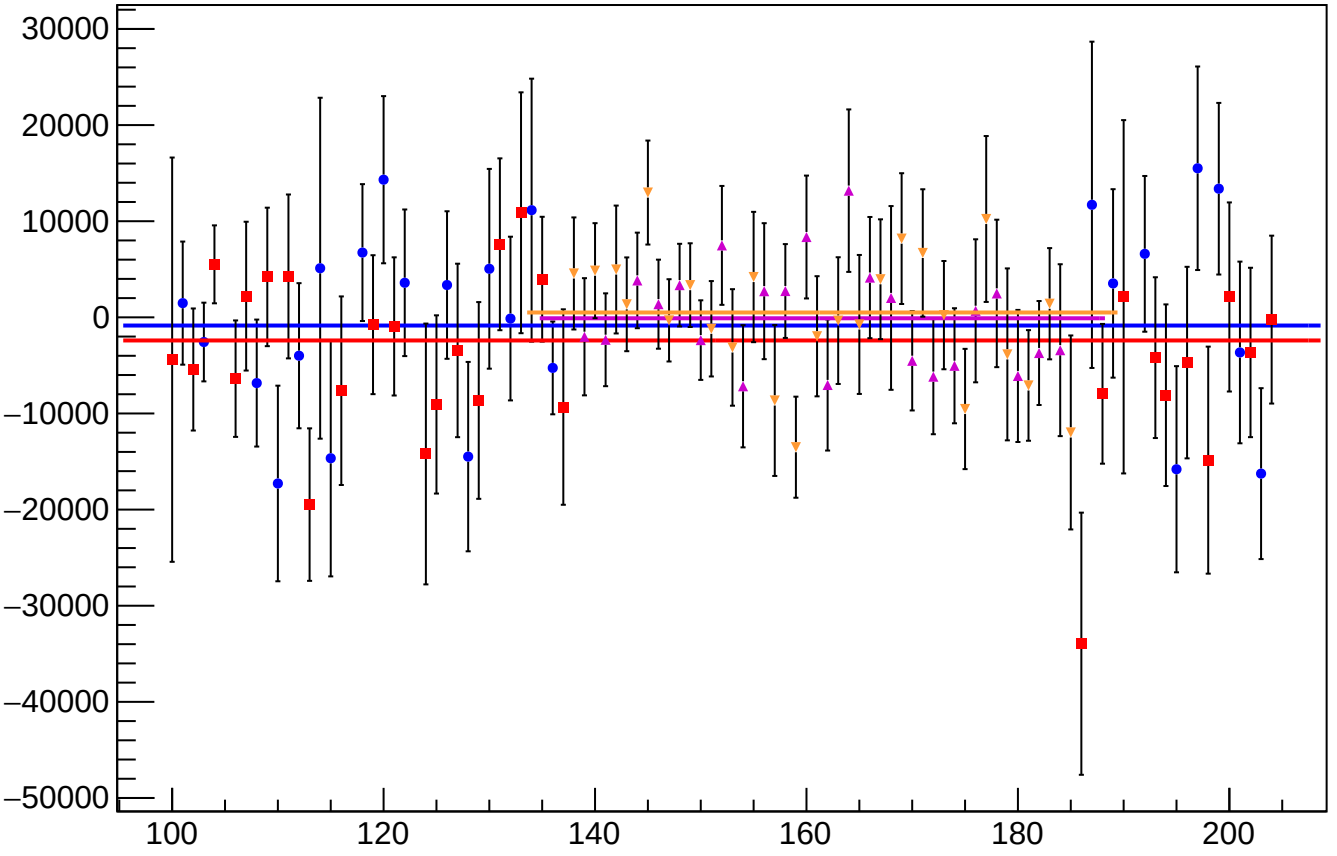
Right: 1633.266+/-0.218 χ^2/NDF: 623001.9/52

In: 1573.583+/-0.199 χ^2/NDF:428307.7/46

Out: 1576.411+/-0.190 χ^2/NDF:390839.5/53

All: 1575.056+/-0.137 χ^2/NDF: 819252.8/100

asym_usr_atr2_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -852.662+/-1631.142 χ^2/NDF: 25.5/23

Left Out: 503.849+/-1187.302 χ^2/NDF:26.8/24

Right Out: -2405.122+/-1529.964 χ^2/NDF: 24.6/28

Left In: -97.930+/-1217.585 χ^2/NDF:14.9/22

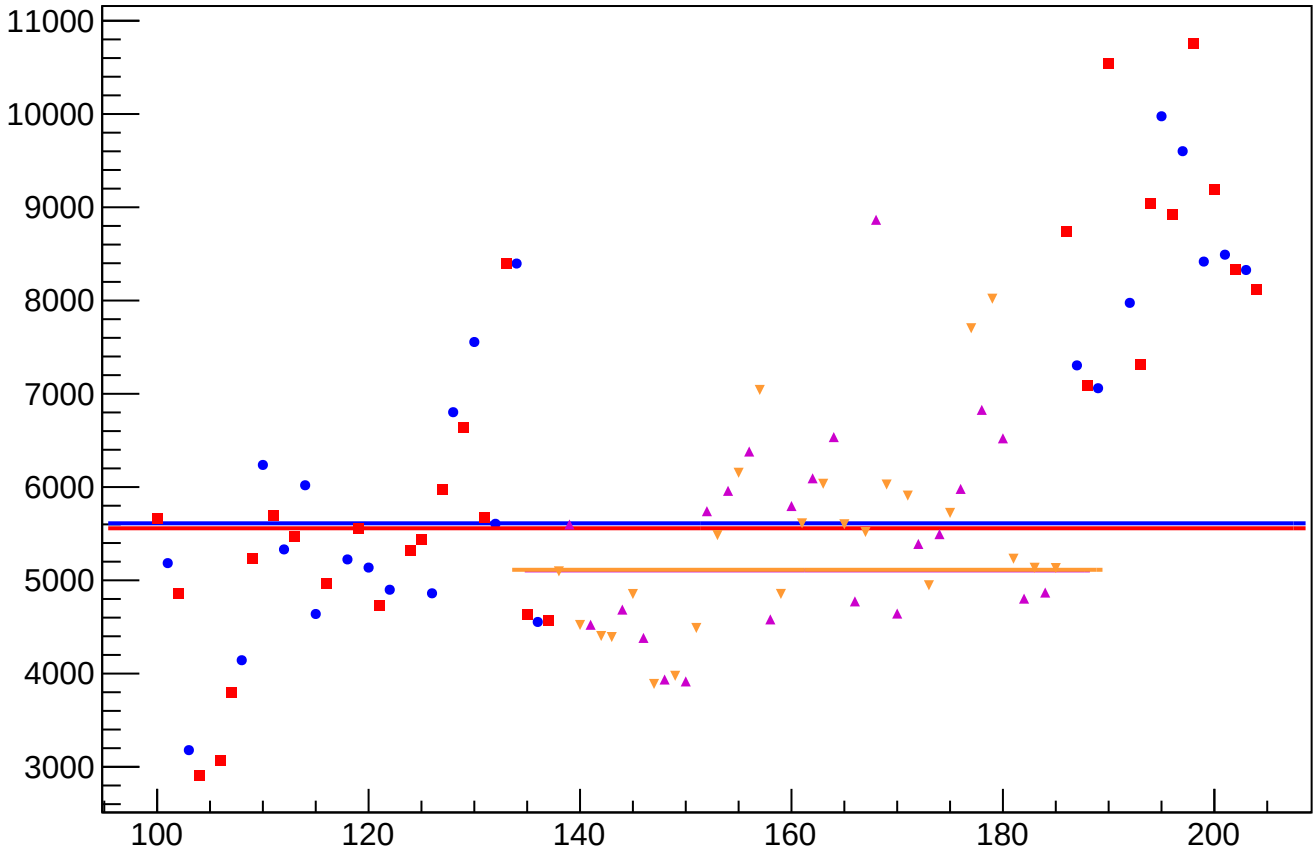
Left: 210.536+/-850.054 χ^2/NDF: 41.8/47

Right: -1678.531+/-1115.903 χ^2/NDF: 50.6/52

In: -367.991+/-975.722 χ^2/NDF:40.5/46

Out: -589.542+/-937.993 χ^2/NDF:53.7/53

All: -483.133+/-676.206 χ^2/NDF: 94.3/100



Right In: 5611.347+/-1.153 χ^2/NDF: 2583680.4/23

Left Out: 5112.947+/-0.840 χ^2/NDF:1159023.2/24

Right Out: 5557.979+/-1.082 χ^2/NDF: 3512527.9/28

Left In: 5106.384+/-0.861 χ^2/NDF:1251622.9/22

Left: 5109.748+/-0.601 χ^2/NDF: 2410675.9/47

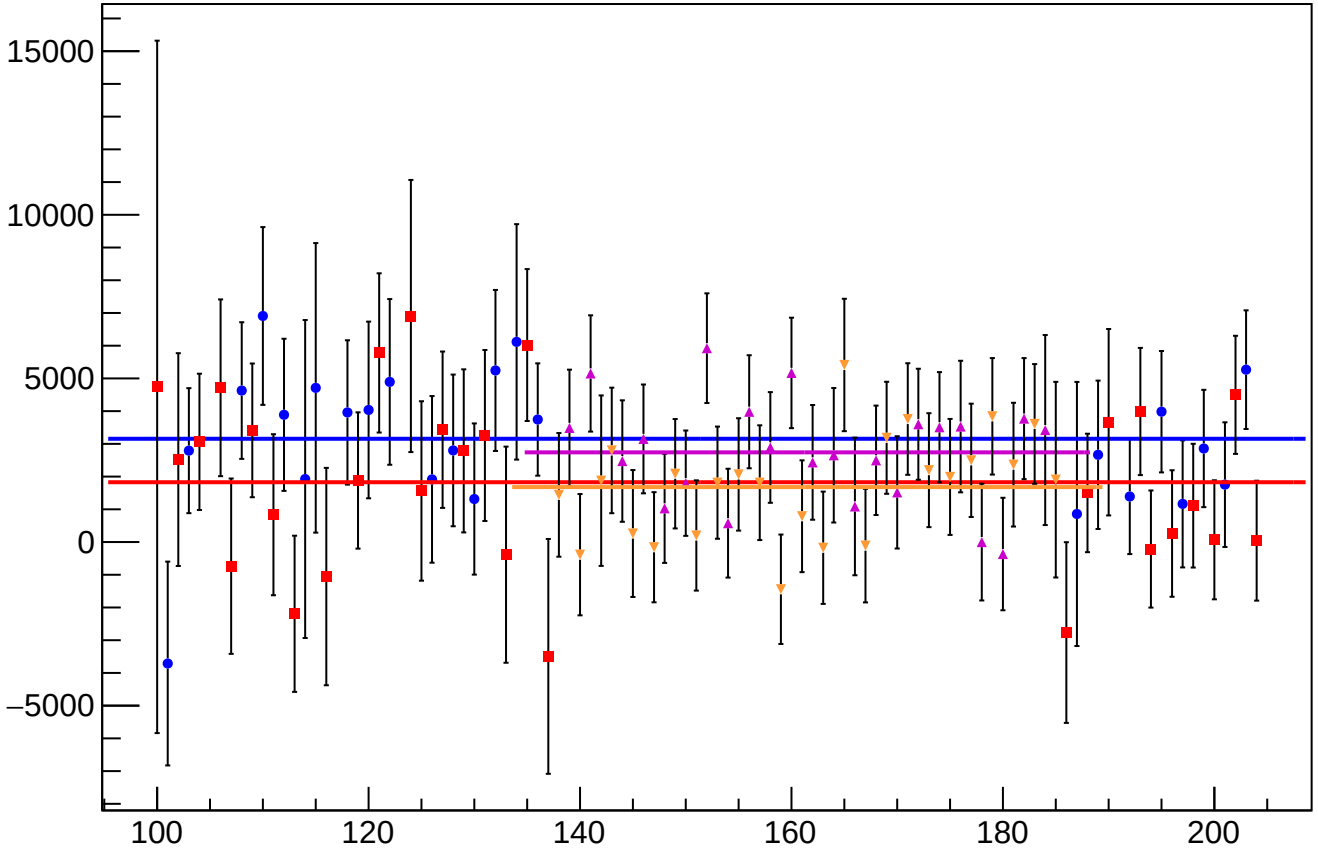
Right: 5582.957+/-0.789 χ^2/NDF: 6097347.3/52

In: 5287.072+/-0.690 χ^2/NDF:3958392.7/46

Out: 5280.220+/-0.663 χ^2/NDF:4777166.5/53

All: 5283.511+/-0.478 χ^2/NDF: 8735610.4/10

dit_asym_usr_atr2_avg_mean vs Slug, Sign Corrected



Right In: 3155.660+/-463.468 χ^2/NDF: 15.3/23

Left Out: 1679.163+/-362.391 χ^2/NDF:19.0/24

Right Out: 1827.818+/-434.332 χ^2/NDF: 28.5/28

Left In: 2740.666+/-370.604 χ^2/NDF:19.2/22

Left: 2198.022+/-259.104 χ^2/NDF: 42.3/47

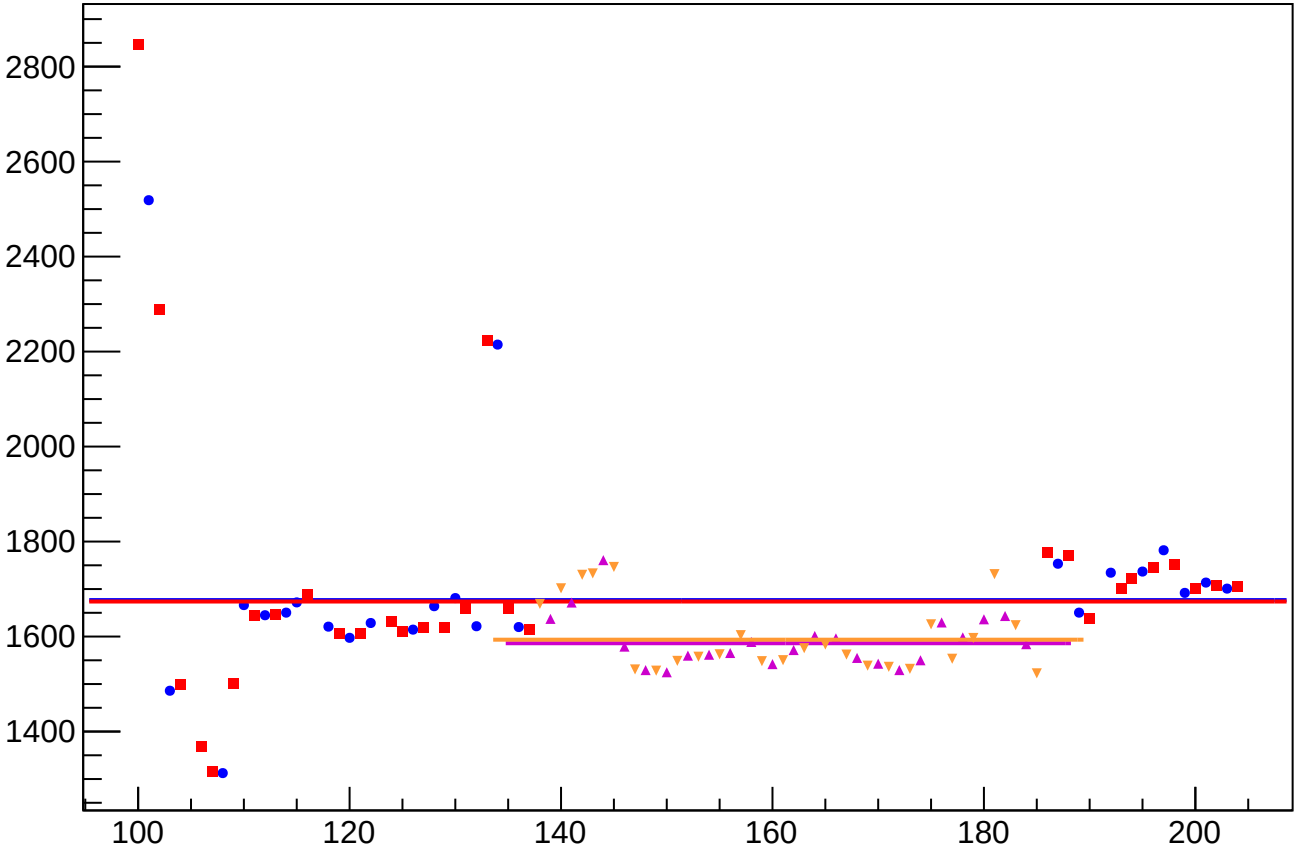
Right: 2448.692+/-316.919 χ^2/NDF: 48.1/52

In: 2902.524+/-289.445 χ^2/NDF:34.9/46

Out: 1740.176+/-278.256 χ^2/NDF:47.5/53

All: 2298.449+/-200.596 χ^2/NDF: 90.8/100

dit_asym_usr_atr2_avg_rms vs Slug, Sign Corrected



Right In: 1676.792+/-0.328 χ^2/NDF: 292728.6/23

Left Out: 1593.388+/-0.256 χ^2/NDF:71876.4/24

Right Out: 1673.753+/-0.307 χ^2/NDF: 268180.6/28

Left In: 1585.918+/-0.262 χ^2/NDF:41915.3/22

Left: 1589.737+/-0.183 χ^2/NDF: 114207.1/47

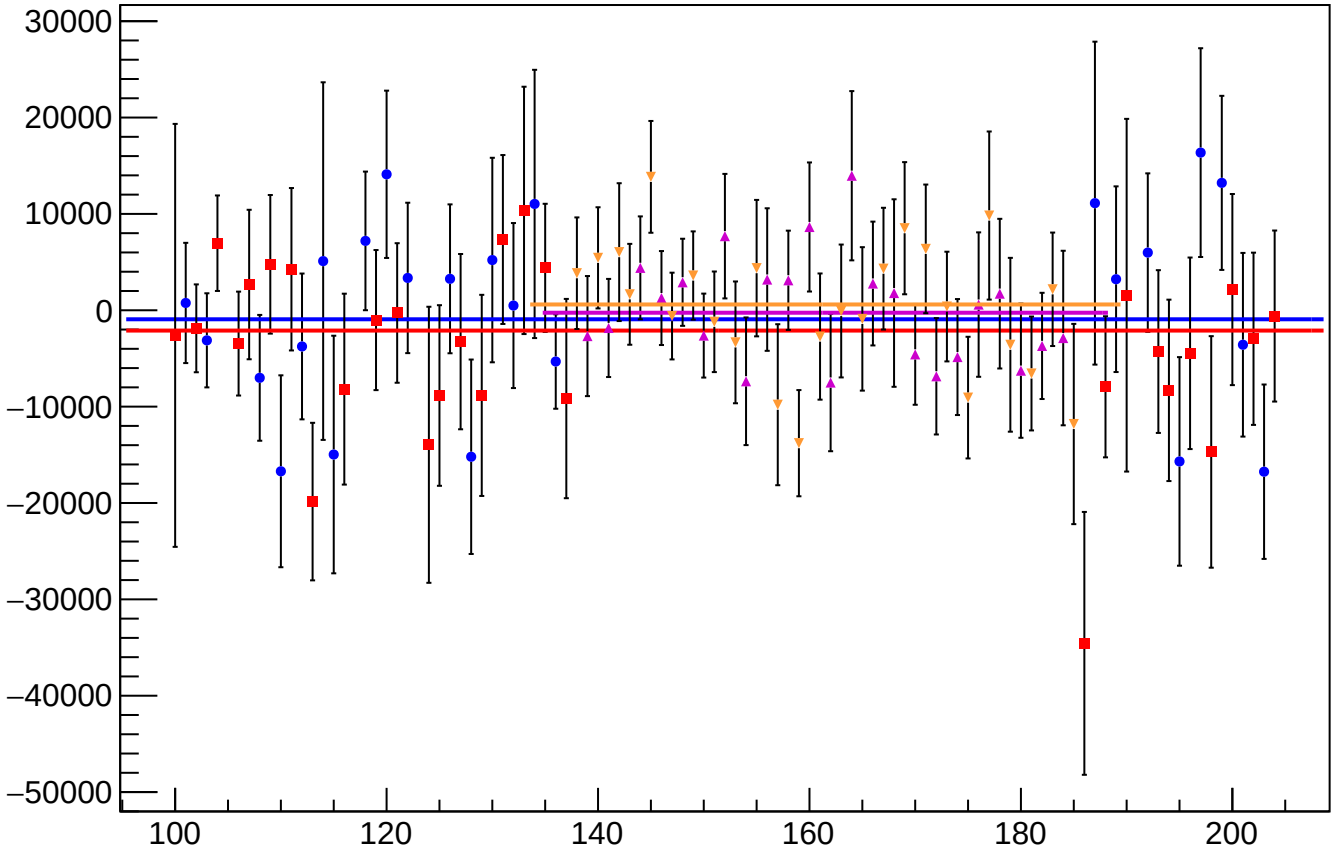
Right: 1675.173+/-0.224 χ^2/NDF: 560954.9/52

In: 1621.361+/-0.205 χ^2/NDF:381544.4/46

Out: 1626.390+/-0.197 χ^2/NDF:380448.2/53

All: 1623.975+/-0.142 χ^2/NDF: 762306.4/100

asym_usr_atr2_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -935.747+/-1679.098 χ^2/NDF: 25.4/23

Left Out: 601.820+/-1233.559 χ^2/NDF:26.0/24

Right Out: -2106.334+/-1521.758 χ^2/NDF: 23.8/28

Left In: -255.905+/-1262.607 χ^2/NDF:14.6/22

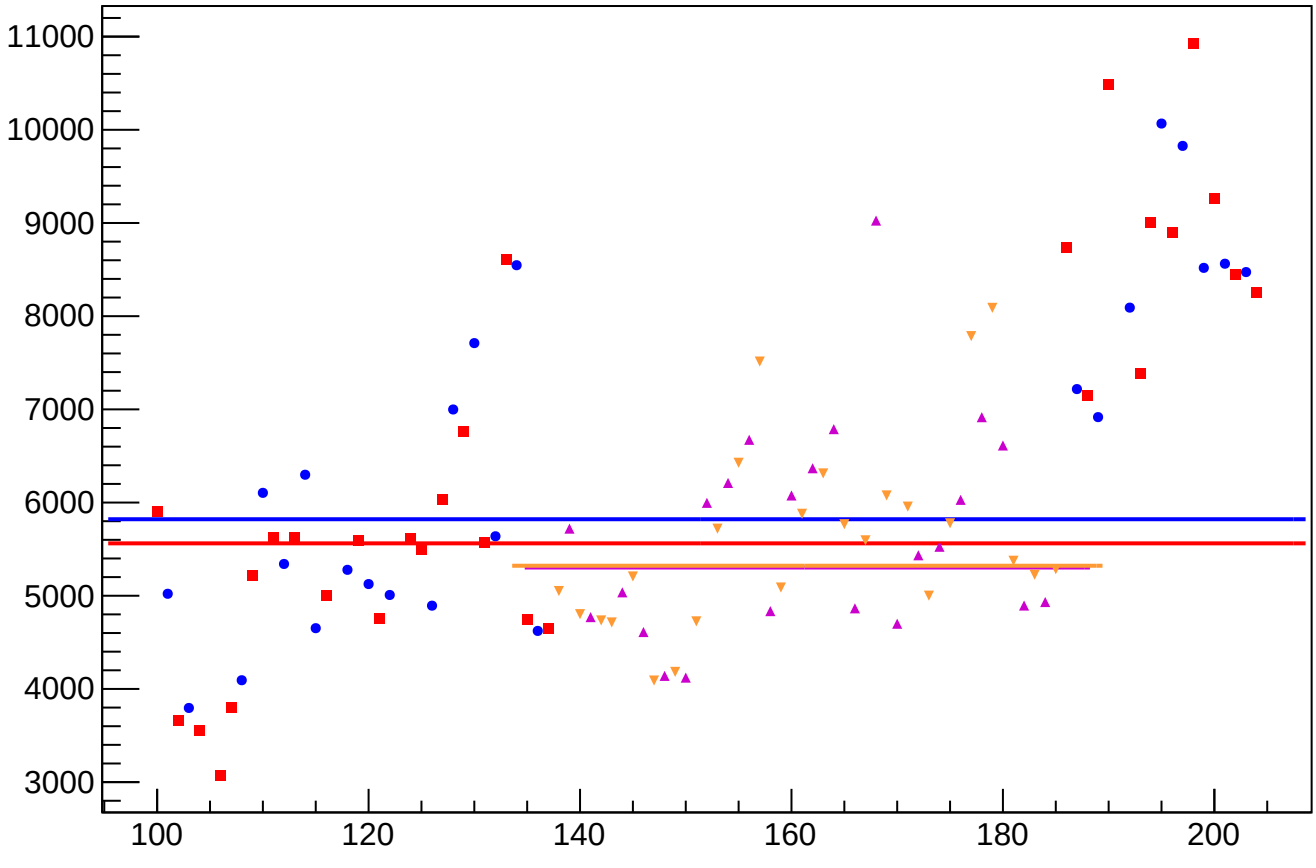
Left: 182.938+/-882.349 χ^2/NDF: 40.9/47

Right: -1578.443+/-1127.578 χ^2/NDF: 49.5/52

In: -501.465+/-1009.138 χ^2/NDF:40.1/46

Out: -472.057+/-958.266 χ^2/NDF:51.8/53

All: -486.001+/-694.885 χ^2/NDF: 91.9/100



Right In: 5821.008+/-1.187 χ^2/NDF: 2197865.9/23

Left Out: 5321.956+/-0.872 χ^2/NDF:1037009.2/24

Right Out: 5562.230+/-1.076 χ^2/NDF: 3433194.5/28

Left In: 5302.849+/-0.893 χ^2/NDF:1152376.1/22

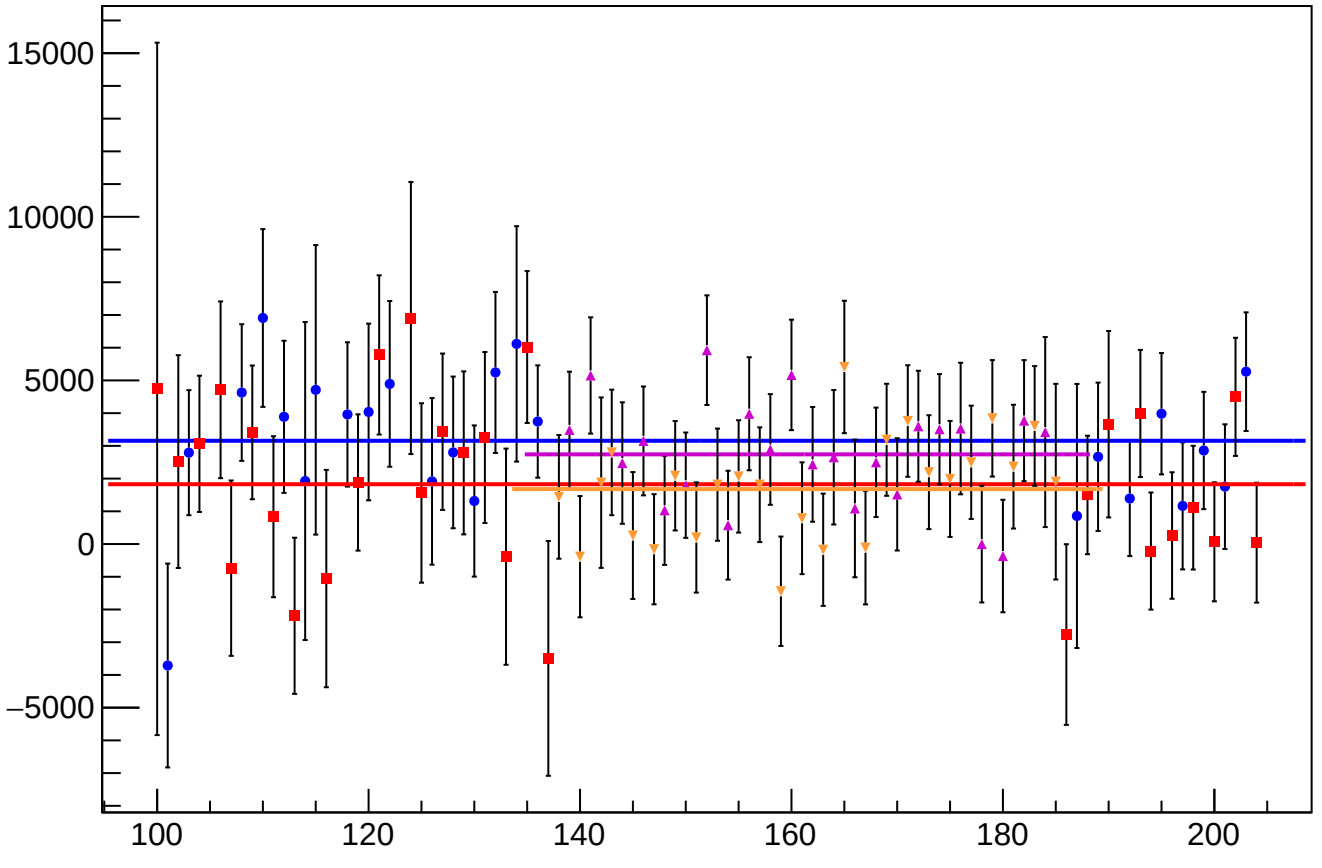
Left: 5312.625+/-0.624 χ^2/NDF: 2189619.6/47

Right: 5678.929+/-0.797 χ^2/NDF: 5657142.0/52

In: 5490.008+/-0.714 χ^2/NDF:3471907.5/46

Out: 5417.233+/-0.678 χ^2/NDF:4500292.5/53

All: 5451.740+/-0.491 χ^2/NDF: 7977669.5/10



Right In: 3155.658+/-463.468 χ^2/NDF: 15.3/23

Left Out: 1679.156+/-362.392 χ^2/NDF:19.0/24

Right Out: 1827.818+/-434.332 χ^2/NDF: 28.5/28

Left In: 2740.666+/-370.605 χ^2/NDF:19.2/22

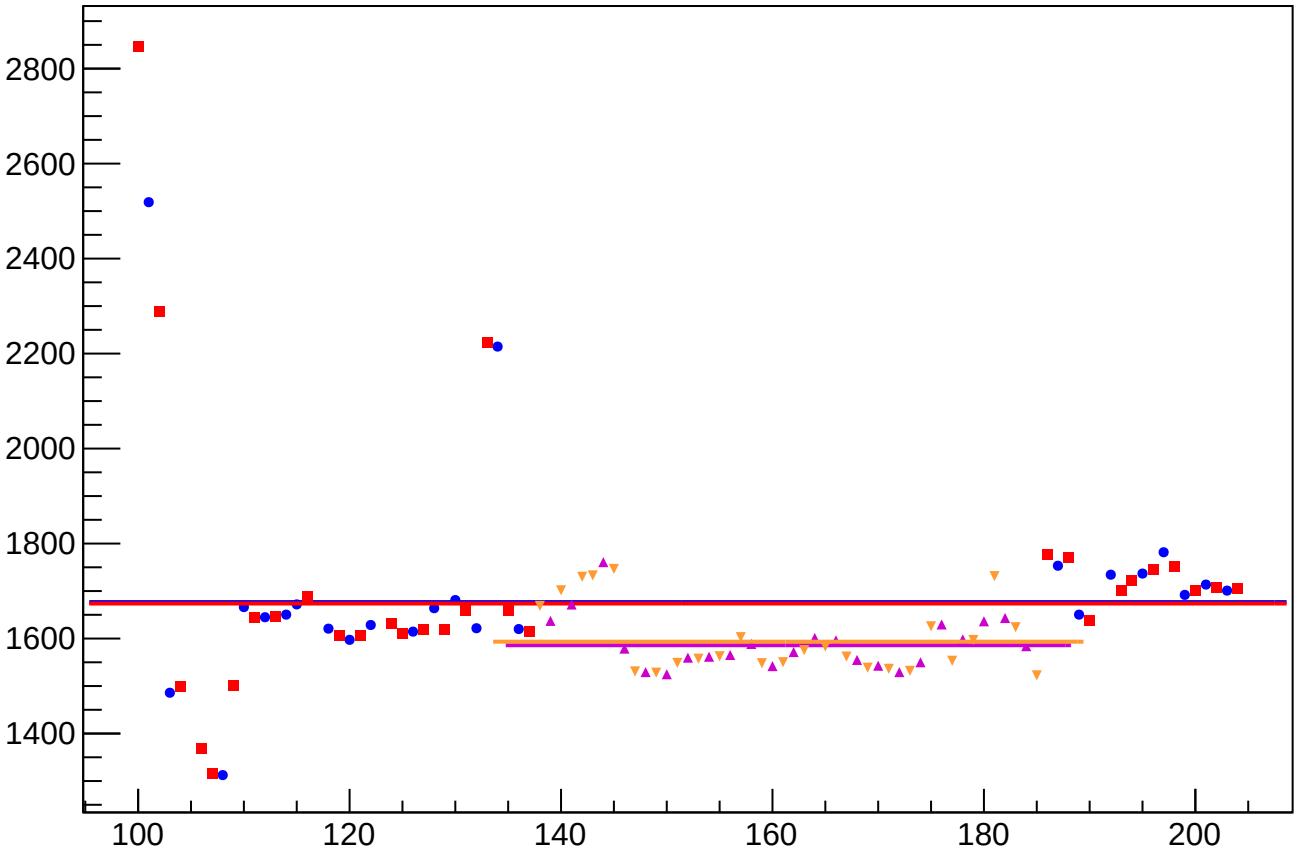
Left: 2198.019+/-259.104 χ^2/NDF: 42.3/47

Right: 2448.691+/-316.919 χ^2/NDF: 48.1/52

In: 2902.524+/-289.445 χ^2/NDF:34.9/46

Out: 1740.172+/-278.256 χ^2/NDF:47.5/53

All: 2298.446+/-200.596 χ^2/NDF: 90.8/100



Right In: 1676.791+/-0.328 χ^2/NDF: 292728.9/23

Left Out: 1593.388+/-0.256 χ^2/NDF:71876.3/24

Right Out: 1673.753+/-0.307 χ^2/NDF: 268180.6/28

Left In: 1585.919+/-0.262 χ^2/NDF:41915.1/22

Left: 1589.737+/-0.183 χ^2/NDF: 114206.7/47

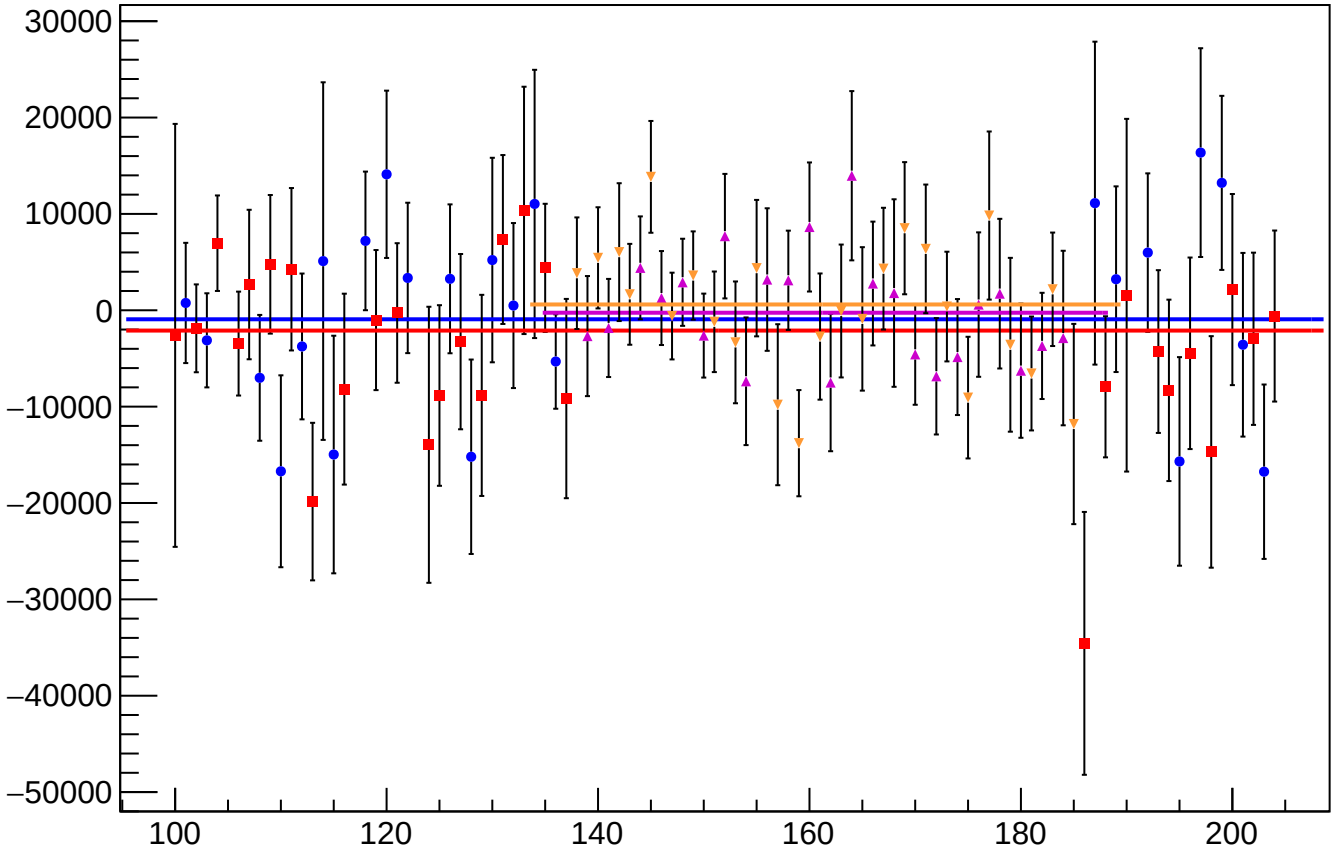
Right: 1675.173+/-0.224 χ^2/NDF: 560955.3/52

In: 1621.362+/-0.205 χ^2/NDF:381543.1/46

Out: 1626.390+/-0.197 χ^2/NDF:380447.2/53

All: 1623.976+/-0.142 χ^2/NDF: 762304.2/100

asym_usr_atr2_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -935.736+/-1679.097 χ^2/NDF: 25.4/23

Left Out: 601.817+/-1233.561 χ^2/NDF:26.0/24

Right Out: -2106.332+/-1521.756 χ^2/NDF: 23.8/28

Left In: -255.907+/-1262.609 χ^2/NDF:14.6/22

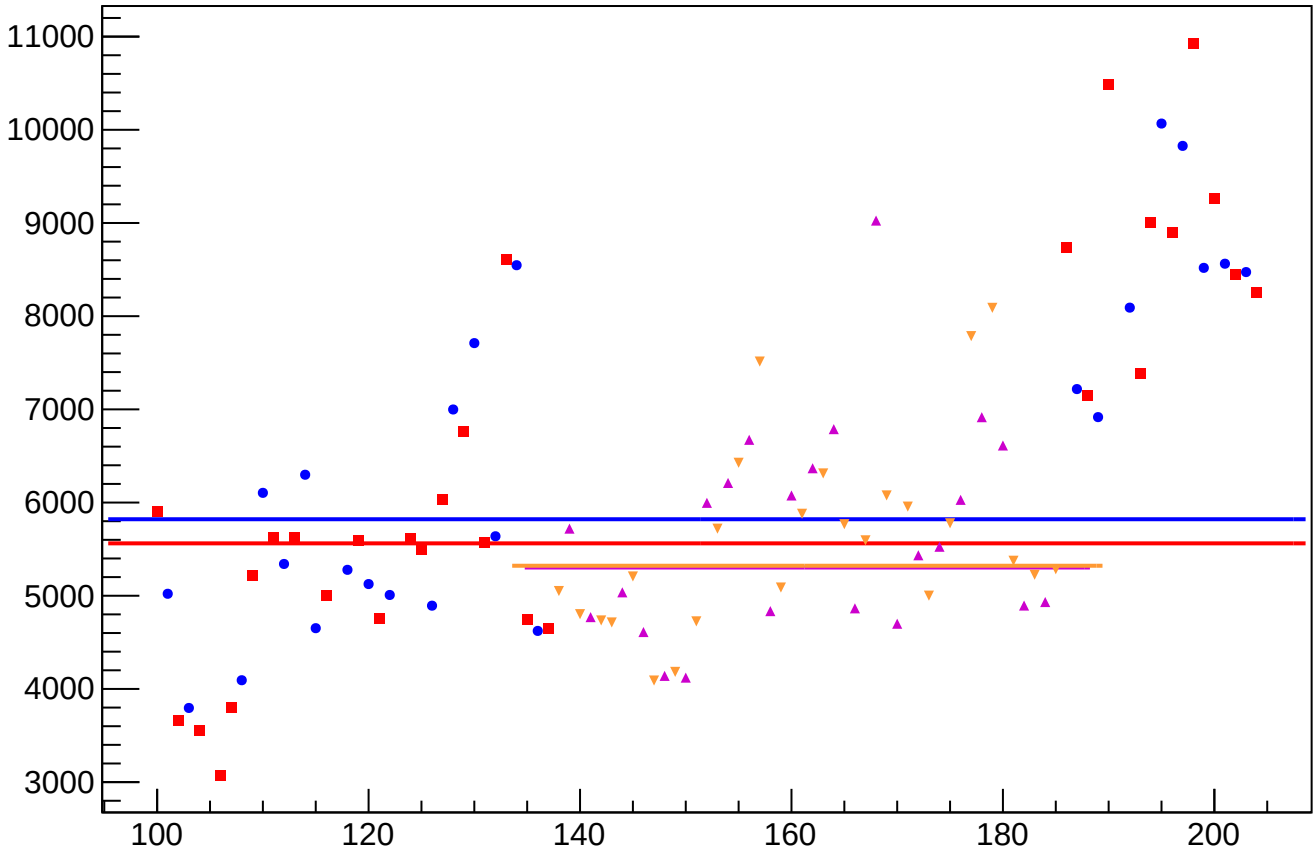
Left: 182.935+/-882.350 χ^2/NDF: 40.9/47

Right: -1578.437+/-1127.577 χ^2/NDF: 49.5/52

In: -501.463+/-1009.139 χ^2/NDF:40.1/46

Out: -472.061+/-958.267 χ^2/NDF:51.8/53

All: -486.002+/-694.885 χ^2/NDF: 91.9/100



Right In: 5821.002+/-1.187 χ^2/NDF: 2197874.1/23

Left Out: 5321.965+/-0.872 χ^2/NDF:1037011.4/24

Right Out: 5562.223+/-1.076 χ^2/NDF: 3433205.2/28

Left In: 5302.858+/-0.893 χ^2/NDF:1152380.1/22

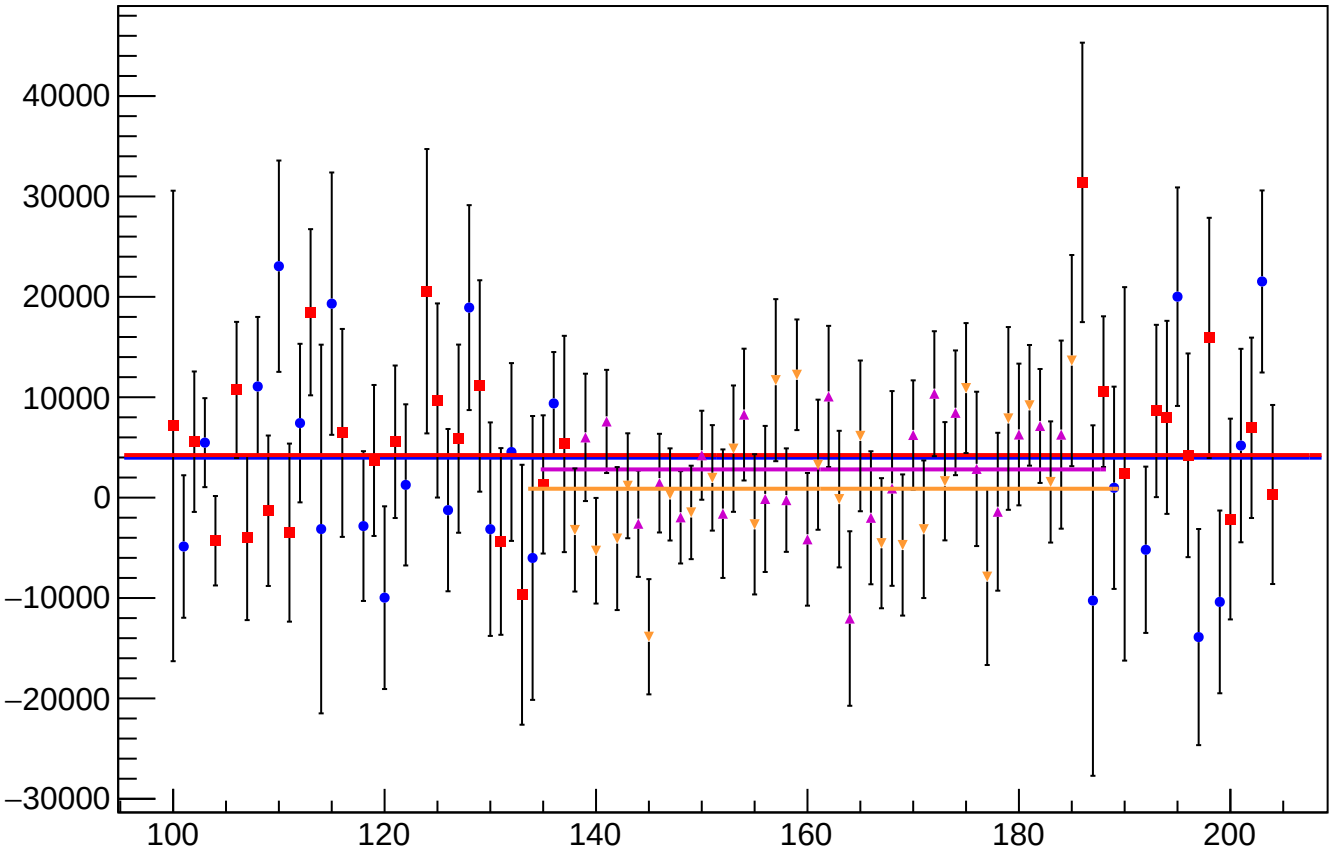
Left: 5312.634+/-0.624 χ^2/NDF: 2189625.8/47

Right: 5678.923+/-0.797 χ^2/NDF: 5657161.1/52

In: 5490.013+/-0.714 χ^2/NDF:3471912.8/46

Out: 5417.236+/-0.678 χ^2/NDF:4500301.4/53

All: 5451.744+/-0.491 χ^2/NDF: 7977683.9/10



Right In: 3979.076+/-1713.724 χ^2/NDF: 28.8/23

Left Out: 885.482+/-1246.500 χ^2/NDF:25.7/24

Right Out: 4238.216+/-1613.869 χ^2/NDF: 20.9/28

Left In: 2810.702+/-1277.225 χ^2/NDF:14.7/22

Left: 1824.657+/-892.073 χ^2/NDF: 41.5/47

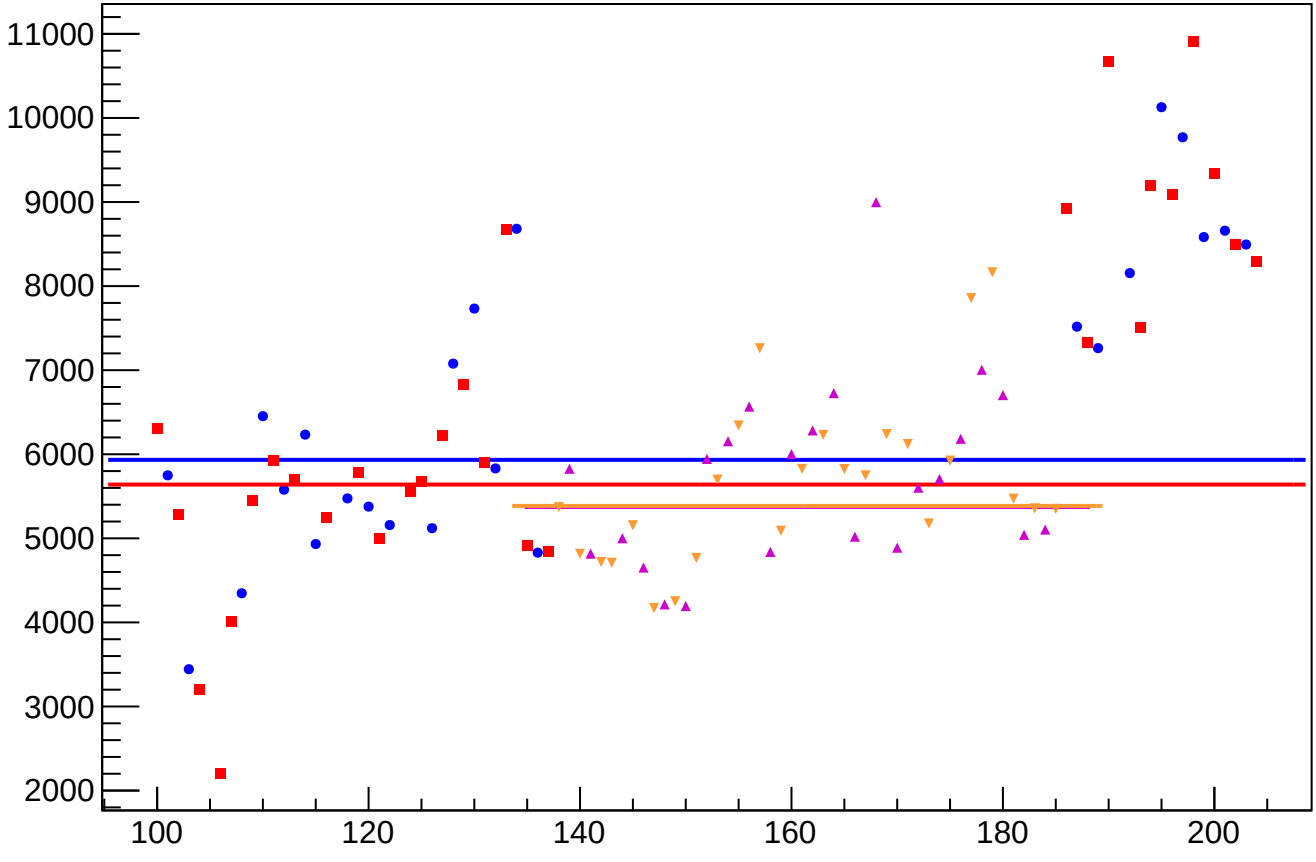
Right: 4116.415+/-1174.894 χ^2/NDF: 49.7/52

In: 3227.932+/-1024.089 χ^2/NDF:43.8/46

Out: 2138.231+/-986.508 χ^2/NDF:49.2/53

All: 2662.721+/-710.481 χ^2/NDF: 93.6/100

asym_usr_atr2_avg_rms vs Slug, Sign Corrected



Right In: 5933.608+/-1.212 χ^2/NDF: 2299394.6/23

Left Out: 5385.653+/-0.881 χ^2/NDF:987089.3/24

Right Out: 5639.750+/-1.109 χ^2/NDF: 3940420.6/28

Left In: 5372.867+/-0.903 χ^2/NDF:1071821.2/22

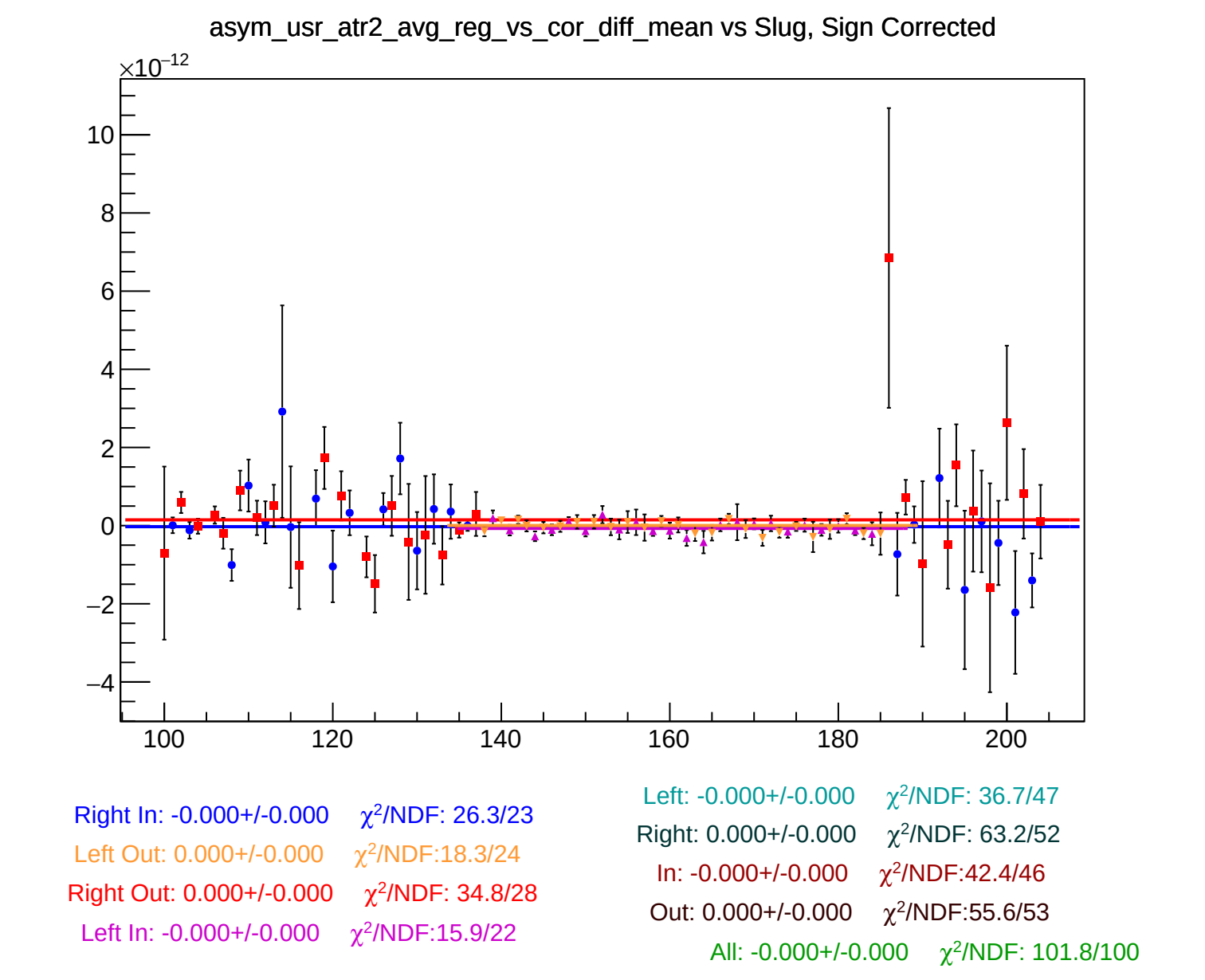
Left: 5379.416+/-0.631 χ^2/NDF: 2059013.2/47

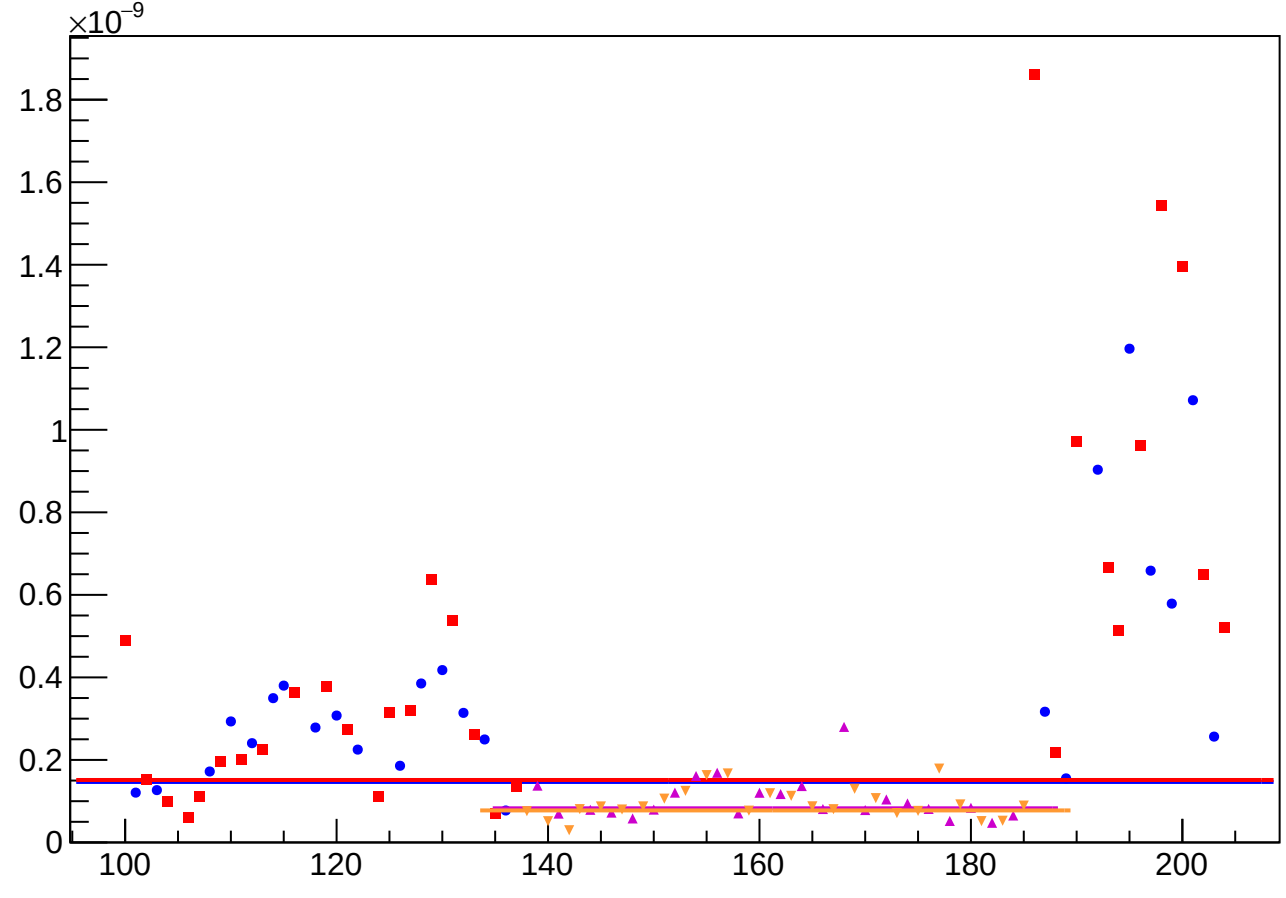
Right: 5773.633+/-0.818 χ^2/NDF: 6271829.1/52

In: 5573.109+/-0.724 χ^2/NDF:3508878.0/46

Out: 5484.069+/-0.690 χ^2/NDF:4959699.2/53

All: 5526.435+/-0.500 χ^2/NDF: 8476502.5/10


asym_usr_atr2_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
10
8
6
4
2
0
−2
−4
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 26.3/23
Left Out: 0.000+/-0.000 χ²/NDF:18.3/24
Right Out: 0.000+/-0.000 χ²/NDF: 34.8/28
Left In: -0.000+/-0.000 χ²/NDF:15.9/22
Left: -0.000+/-0.000 χ²/NDF: 36.7/47
Right: 0.000+/-0.000 χ²/NDF: 63.2/52
In: -0.000+/-0.000 χ²/NDF:42.4/46
Out: 0.000+/-0.000 χ²/NDF:55.6/53
All: -0.000+/-0.000 χ²/NDF: 101.8/100



Right In: 0.000+/-0.000 χ^2/NDF: 4080066.4/23

Left Out: 0.000+/-0.000 χ^2/NDF:1642881.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5858501.2/28

Left In: 0.000+/-0.000 χ^2/NDF:1552521.9/22

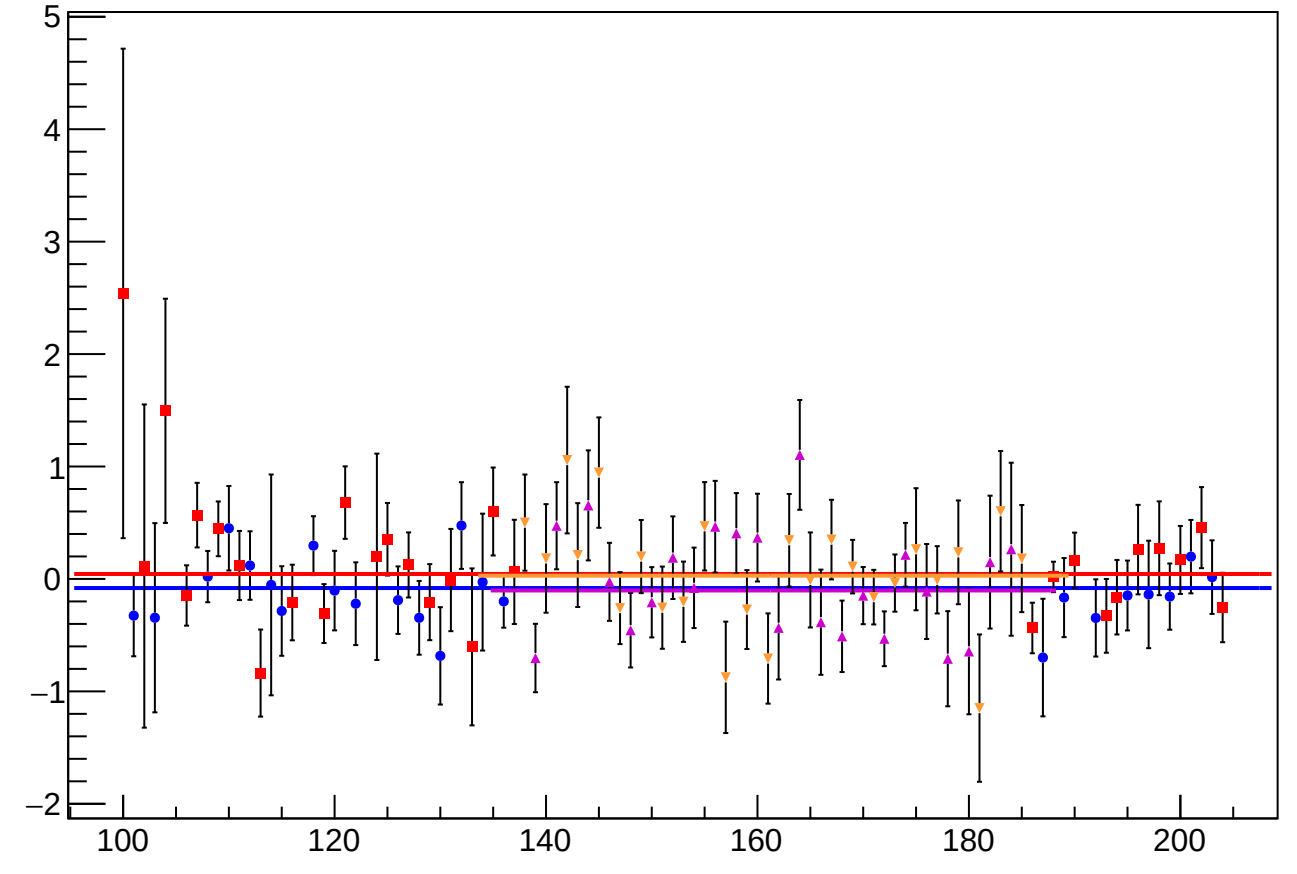
Left: 0.000+/-0.000 χ^2/NDF: 3219165.7/47

Right: 0.000+/-0.000 χ^2/NDF: 9941676.6/52

In: 0.000+/-0.000 χ^2/NDF:6638845.3/46

Out: 0.000+/-0.000 χ^2/NDF:8788458.3/53

All: 0.000+/-0.000 χ^2/NDF: 15459451.0/100



Right In: -0.081+/-0.070 χ^2/NDF: 13.7/23

Left Out: 0.029+/-0.075 χ^2/NDF:25.3/24

Right Out: 0.044+/-0.058 χ^2/NDF: 35.5/28

Left In: -0.103+/-0.076 χ^2/NDF:32.3/22

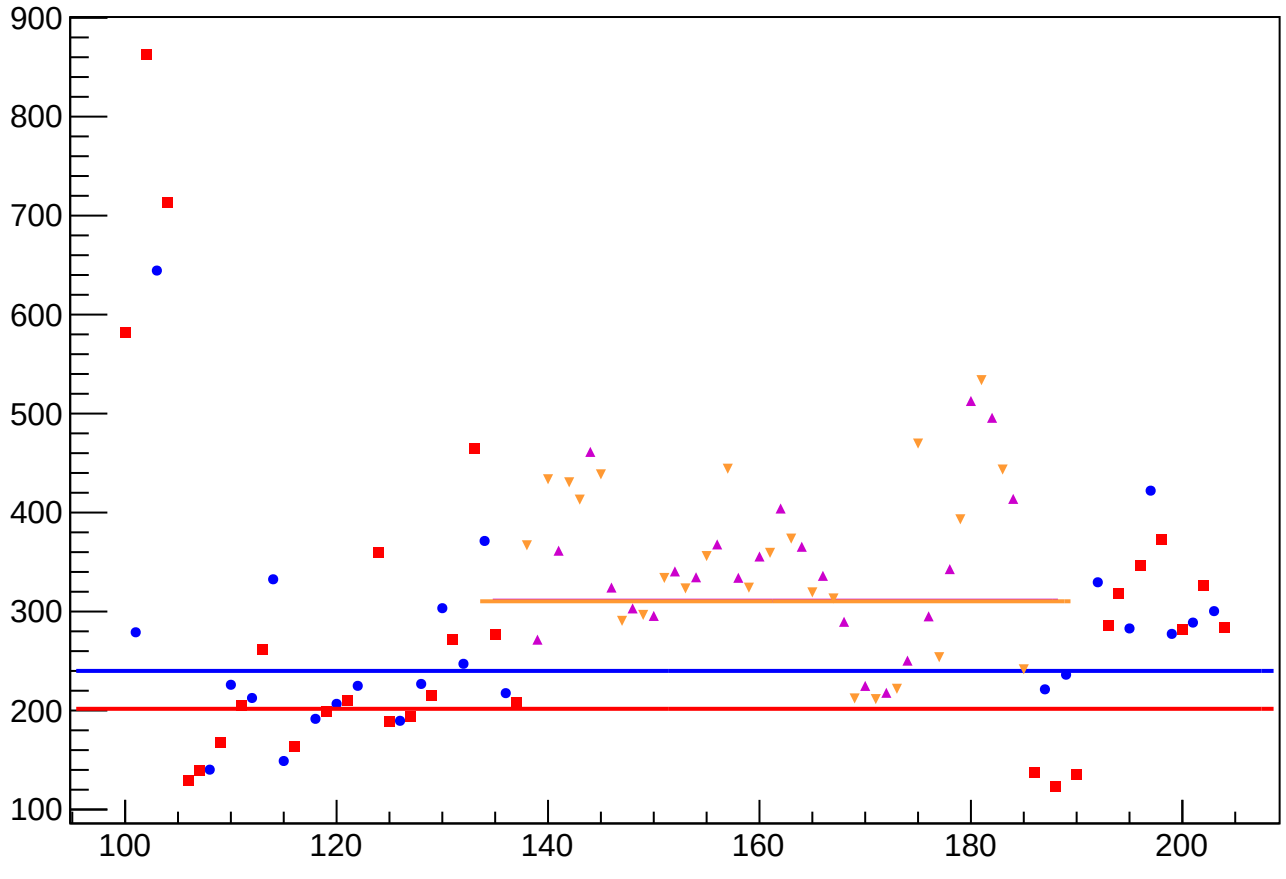
Left: -0.036+/-0.053 χ^2/NDF: 59.1/47

Right: -0.007+/-0.045 χ^2/NDF: 51.1/52

In: -0.091+/-0.052 χ^2/NDF:46.1/46

Out: 0.038+/-0.046 χ^2/NDF:60.8/53

All: -0.019+/-0.034 χ^2/NDF: 110.4/100



Right In: 240.023+/-0.050 χ^2/NDF: 1925343.1/23

Left Out: 310.359+/-0.053 χ^2/NDF:2363086.4/24

Right Out: 201.730+/-0.041 χ^2/NDF: 4326155.7/28

Left In: 310.960+/-0.054 χ^2/NDF:1600370.0/22

Left: 310.653+/-0.038 χ^2/NDF: 3963519.7/47

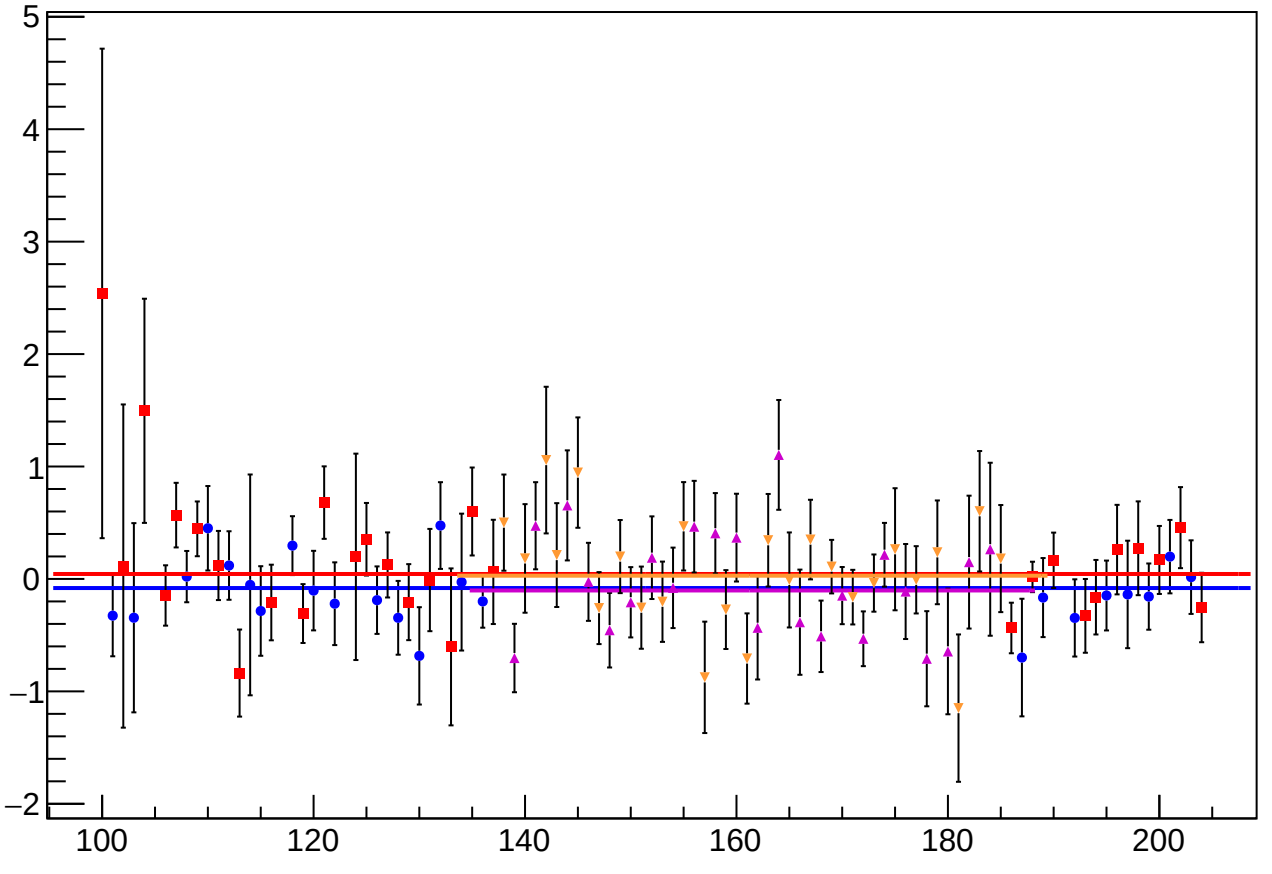
Right: 217.302+/-0.032 χ^2/NDF: 6603166.8/52

In: 272.637+/-0.037 χ^2/NDF:4460790.3/46

Out: 242.815+/-0.032 χ^2/NDF:9321333.9/53

All: 255.965+/-0.024 χ^2/NDF: 14154085.9/10

asym_usr_atr2_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.081+/-0.070 χ^2/NDF: 13.7/23

Left Out: 0.029+/-0.075 χ^2/NDF:25.3/24

Right Out: 0.044+/-0.058 χ^2/NDF: 35.5/28

Left In: -0.103+/-0.076 χ^2/NDF:32.3/22

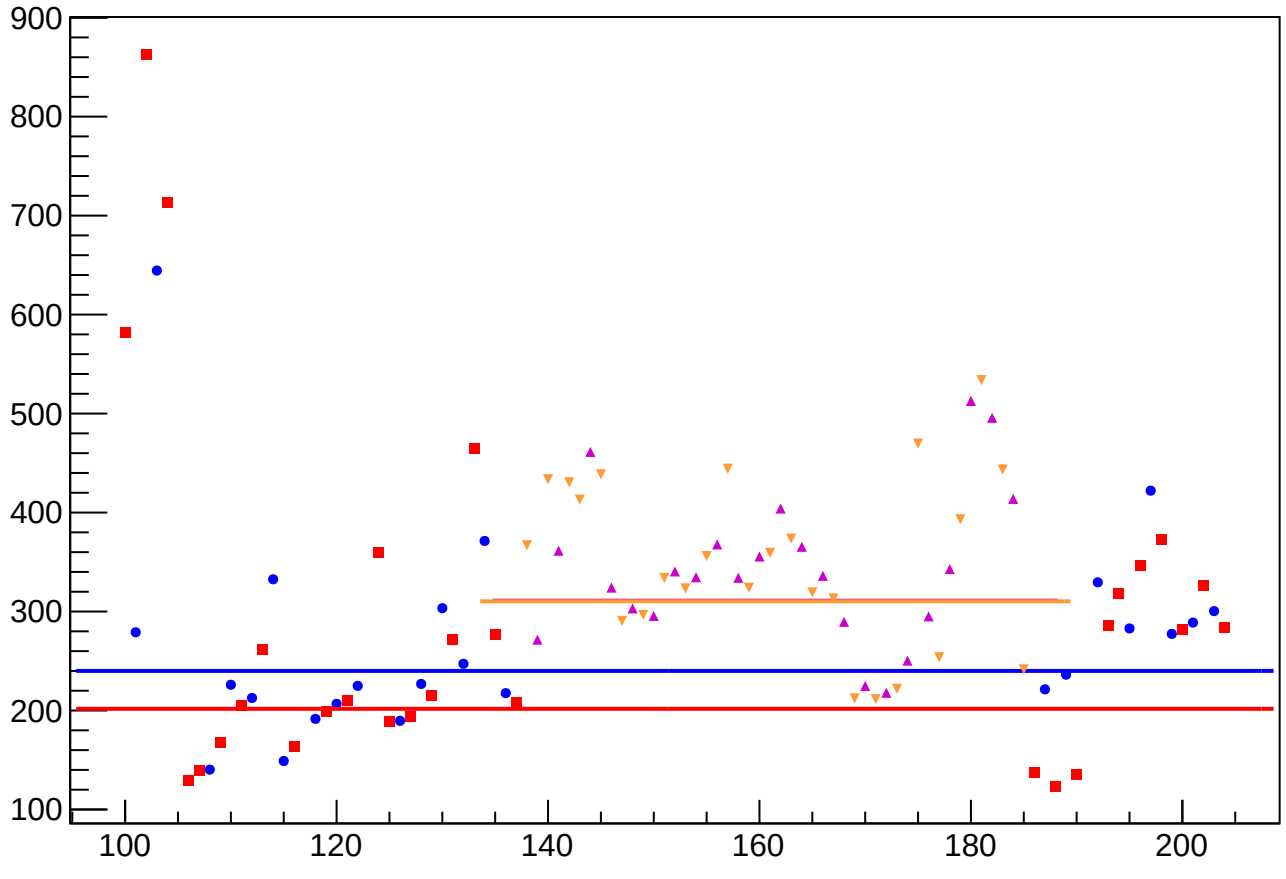
Left: -0.036+/-0.053 χ^2/NDF: 59.1/47

Right: -0.007+/-0.045 χ^2/NDF: 51.1/52

In: -0.091+/-0.052 χ^2/NDF:46.1/46

Out: 0.038+/-0.046 χ^2/NDF:60.8/53

All: -0.019+/-0.034 χ^2/NDF: 110.4/100



Right In: 240.023+/-0.050 χ^2/NDF: 1925343.1/23

Left Out: 310.359+/-0.053 χ^2/NDF:2363086.4/24

Right Out: 201.730+/-0.041 χ^2/NDF: 4326155.7/28

Left In: 310.960+/-0.054 χ^2/NDF:1600370.0/22

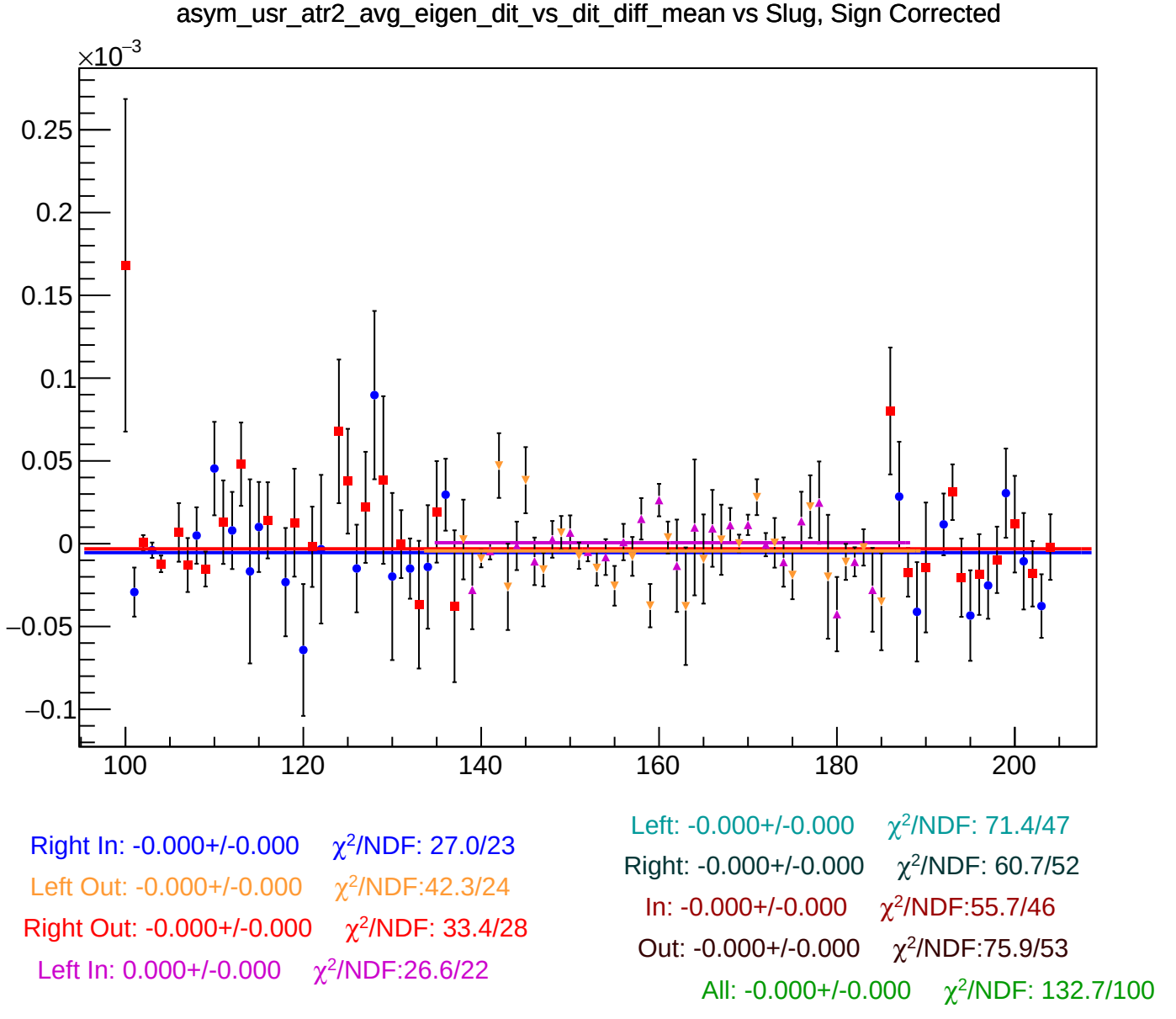
Left: 310.653+/-0.038 χ^2/NDF: 3963519.7/47

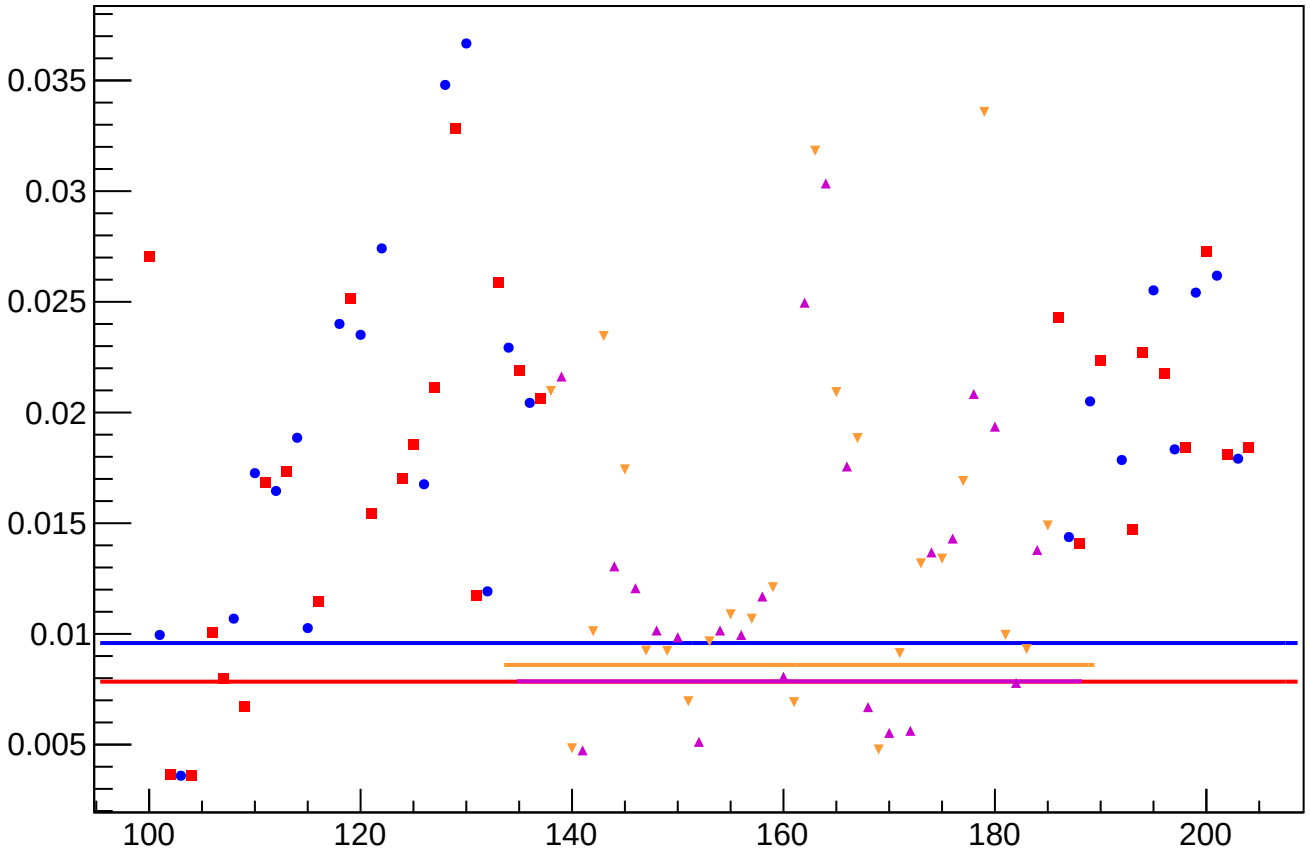
Right: 217.302+/-0.032 χ^2/NDF: 6603166.8/52

In: 272.637+/-0.037 χ^2/NDF:4460790.3/46

Out: 242.815+/-0.032 χ^2/NDF:9321333.9/53

All: 255.965+/-0.024 χ^2/NDF: 14154085.9/10


asym_usr_atr2_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.25
0.2
0.15
0.1
0.05
0
−0.05
−0.1
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 27.0/23
Left Out: -0.000+/-0.000 χ²/NDF:42.3/24
Right Out: -0.000+/-0.000 χ²/NDF: 33.4/28
Left In: 0.000+/-0.000 χ²/NDF:26.6/22
Left: -0.000+/-0.000 χ²/NDF: 71.4/47
Right: -0.000+/-0.000 χ²/NDF: 60.7/52
In: -0.000+/-0.000 χ²/NDF:55.7/46
Out: -0.000+/-0.000 χ²/NDF:75.9/53
All: -0.000+/-0.000 χ²/NDF: 132.7/100



Right In: 0.010+/-0.000 χ^2/NDF: 10170418.6/23

Left Out: 0.009+/-0.000 χ^2/NDF:7653564.7/24

Right Out: 0.008+/-0.000 χ^2/NDF: 12119286.1/28

Left In: 0.008+/-0.000 χ^2/NDF:6779815.5/22

Left: 0.008+/-0.000 χ^2/NDF: 14546579.4/47

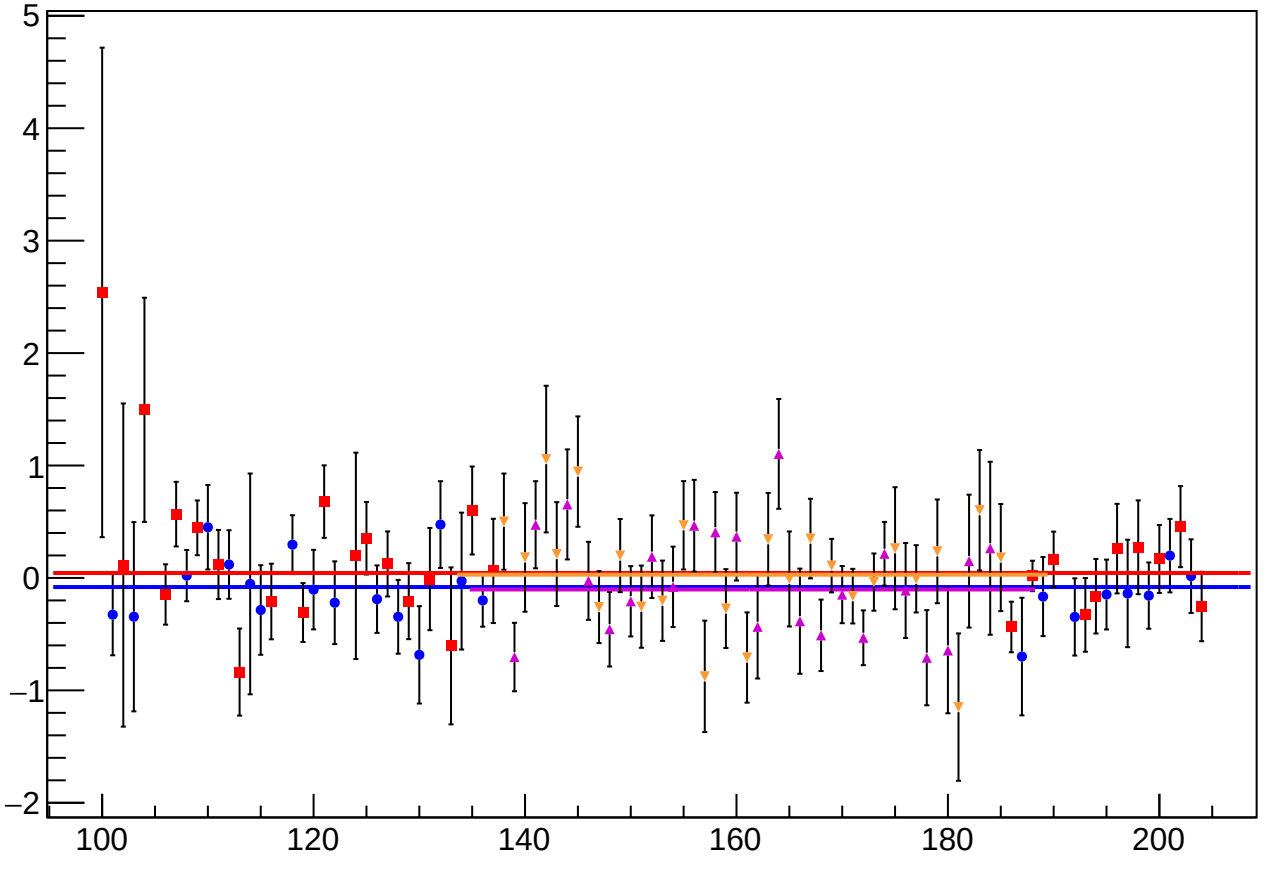
Right: 0.008+/-0.000 χ^2/NDF: 22609117.2/52

In: 0.008+/-0.000 χ^2/NDF:17310754.7/46

Out: 0.008+/-0.000 χ^2/NDF:19866876.9/53

All: 0.008+/-0.000 χ^2/NDF: 37178621.3/100

asym_usr_atr2_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.081+/-0.070 χ^2/NDF: 13.7/23

Left Out: 0.029+/-0.075 χ^2/NDF:25.3/24

Right Out: 0.044+/-0.058 χ^2/NDF: 35.5/28

Left In: -0.103+/-0.076 χ^2/NDF:32.3/22

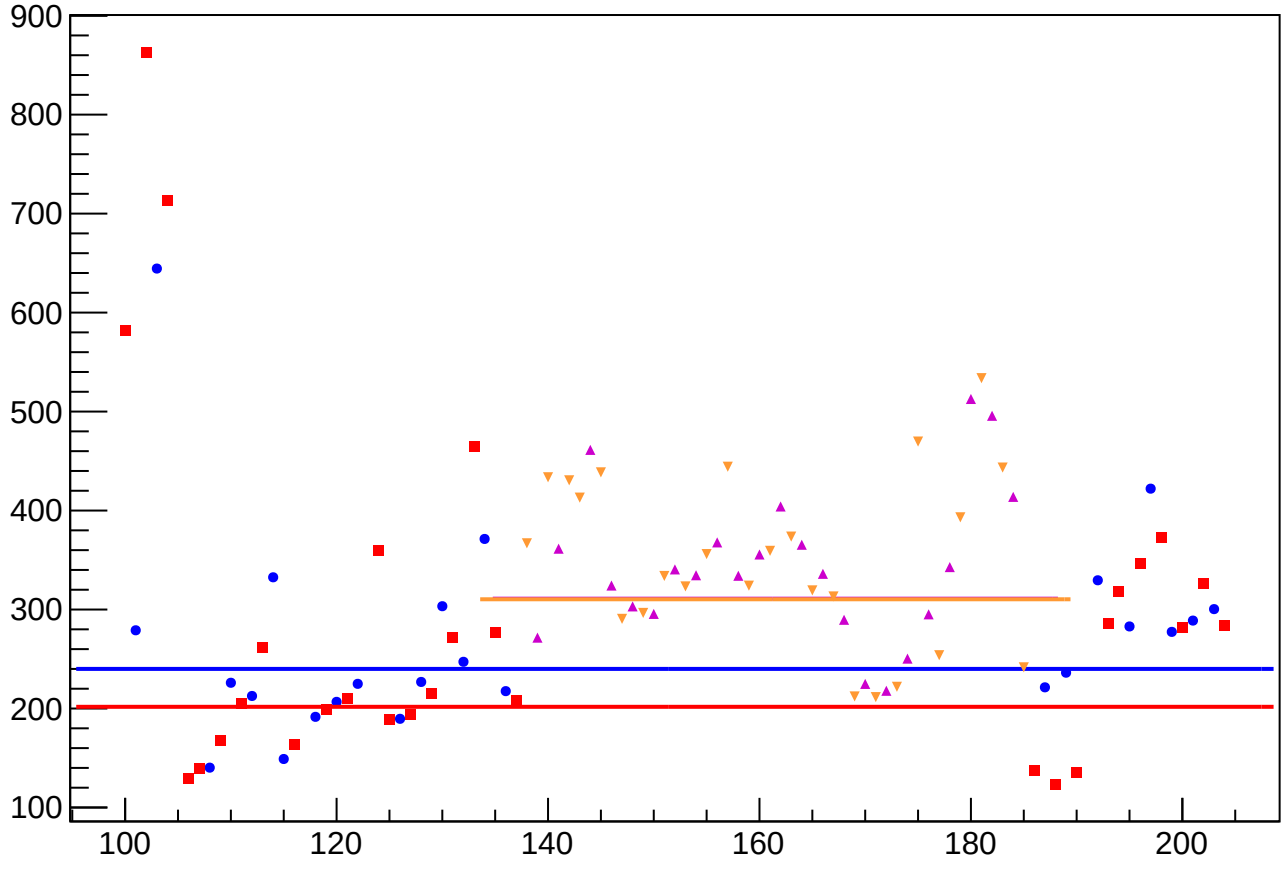
Left: -0.036+/-0.053 χ^2/NDF: 59.1/47

Right: -0.007+/-0.045 χ^2/NDF: 51.1/52

In: -0.091+/-0.052 χ^2/NDF:46.1/46

Out: 0.038+/-0.046 χ^2/NDF:60.8/53

All: -0.019+/-0.034 χ^2/NDF: 110.4/100



Right In: 240.023+/-0.050 χ^2/NDF: 1925340.3/23

Left Out: 310.362+/-0.053 χ^2/NDF:2363148.8/24

Right Out: 201.728+/-0.041 χ^2/NDF: 4326323.8/28

Left In: 310.963+/-0.054 χ^2/NDF:1600401.1/22

Left: 310.656+/-0.038 χ^2/NDF: 3963613.3/47

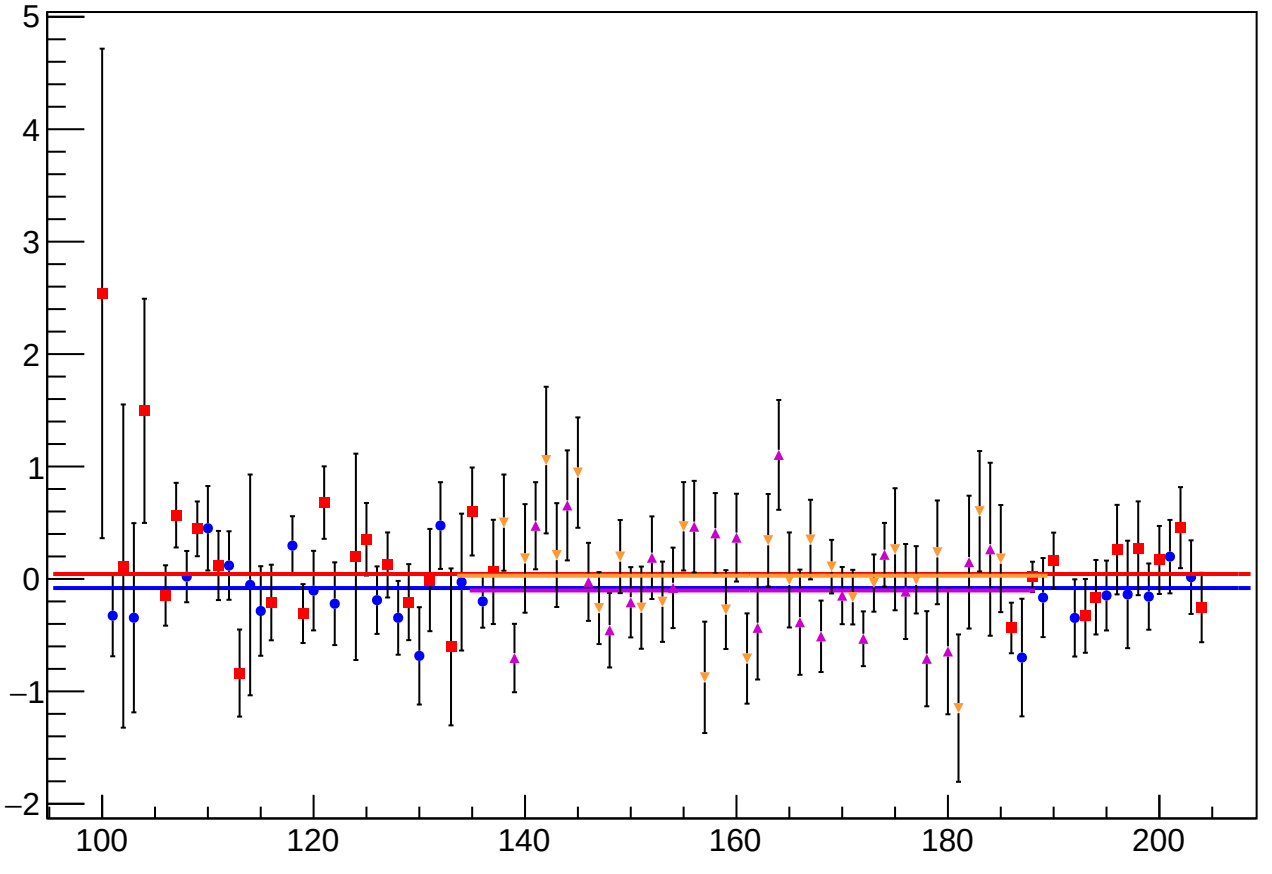
Right: 217.300+/-0.032 χ^2/NDF: 6603372.9/52

In: 272.637+/-0.037 χ^2/NDF:4460914.0/46

Out: 242.814+/-0.032 χ^2/NDF:9321829.4/53

All: 255.965+/-0.024 χ^2/NDF: 14154758.4/10

asym_usr_atr2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.081+/-0.070 χ^2/NDF: 13.7/23

Left Out: 0.029+/-0.075 χ^2/NDF:25.3/24

Right Out: 0.044+/-0.058 χ^2/NDF: 35.5/28

Left In: -0.103+/-0.076 χ^2/NDF:32.3/22

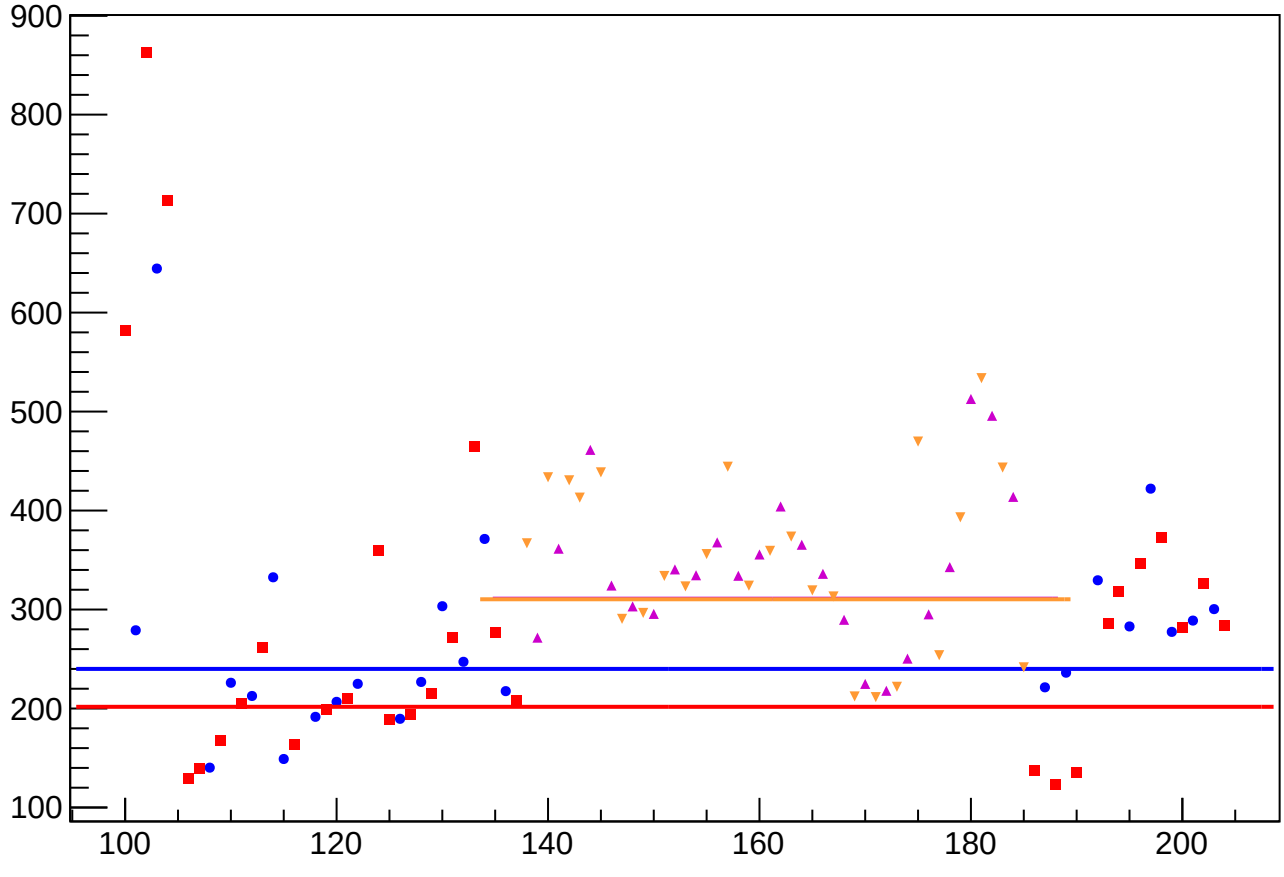
Left: -0.036+/-0.053 χ^2/NDF: 59.1/47

Right: -0.007+/-0.045 χ^2/NDF: 51.1/52

In: -0.091+/-0.052 χ^2/NDF:46.1/46

Out: 0.038+/-0.046 χ^2/NDF:60.8/53

All: -0.019+/-0.034 χ^2/NDF: 110.4/100



Right In: 240.023+/-0.050 χ^2/NDF: 1925340.3/23

Left Out: 310.362+/-0.053 χ^2/NDF:2363148.8/24

Right Out: 201.728+/-0.041 χ^2/NDF: 4326323.8/28

Left In: 310.963+/-0.054 χ^2/NDF:1600401.1/22

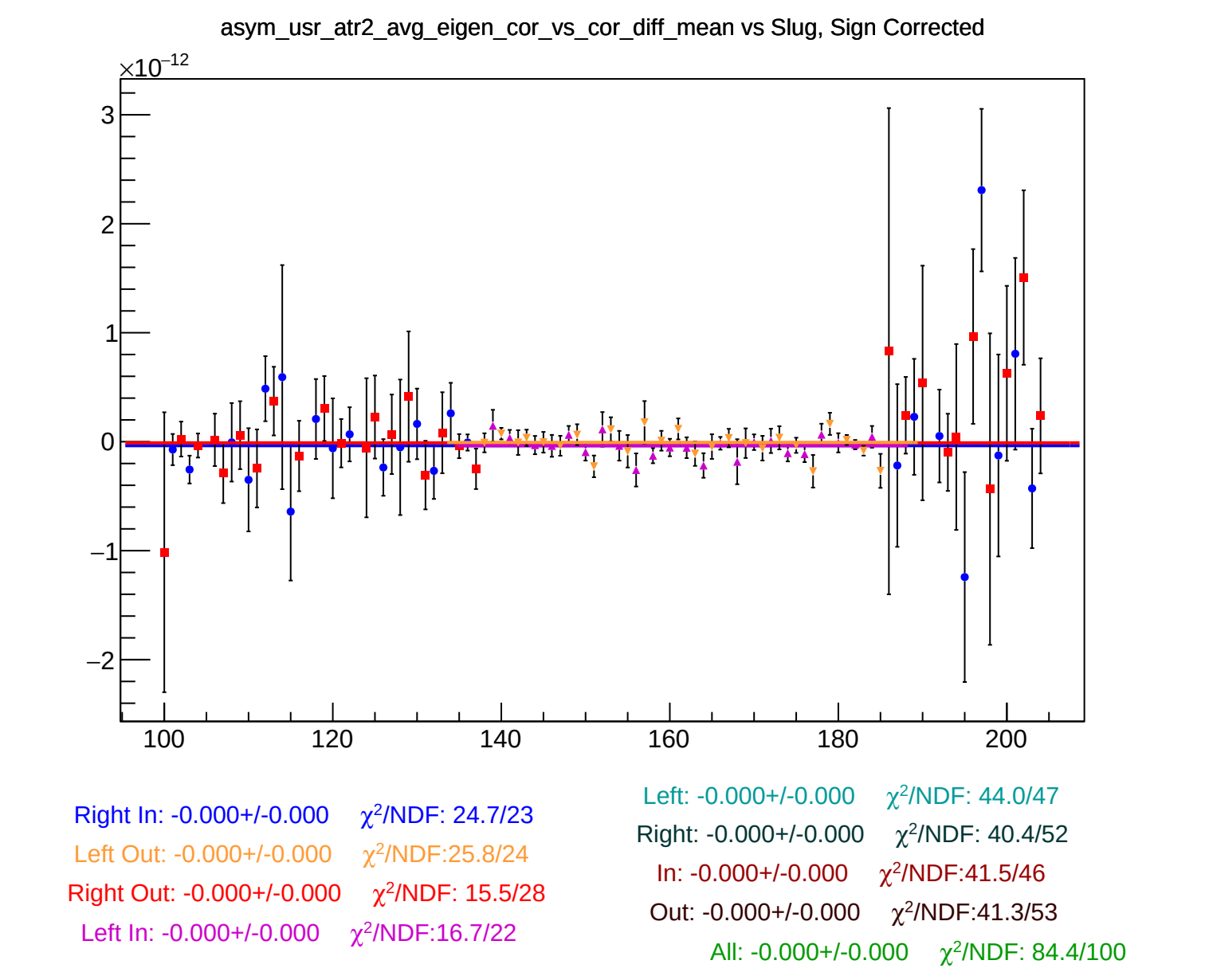
Left: 310.656+/-0.038 χ^2/NDF: 3963613.3/47

Right: 217.300+/-0.032 χ^2/NDF: 6603372.9/52

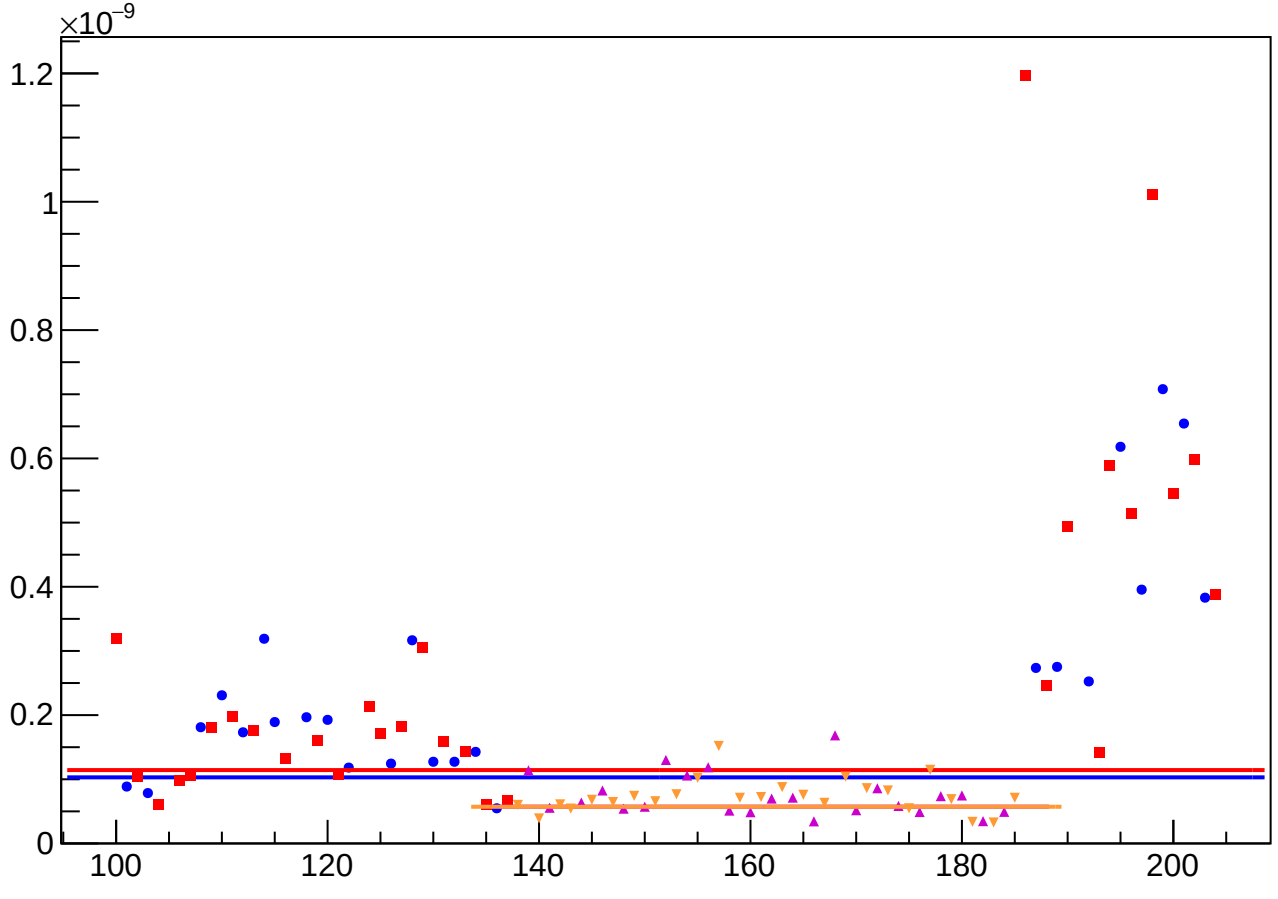
In: 272.637+/-0.037 χ^2/NDF:4460914.0/46

Out: 242.814+/-0.032 χ^2/NDF:9321829.4/53

All: 255.965+/-0.024 χ^2/NDF: 14154758.4/10


asym_usr_atr2_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
3
2
1
0
−1
−2
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 24.7/23
Left Out: -0.000+/-0.000 χ²/NDF:25.8/24
Right Out: -0.000+/-0.000 χ²/NDF: 15.5/28
Left In: -0.000+/-0.000 χ²/NDF:16.7/22
Left: -0.000+/-0.000 χ²/NDF: 44.0/47
Right: -0.000+/-0.000 χ²/NDF: 40.4/52
In: -0.000+/-0.000 χ²/NDF:41.5/46
Out: -0.000+/-0.000 χ²/NDF:41.3/53
All: -0.000+/-0.000 χ²/NDF: 84.4/100

asym_usr_atr2_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 5542808.6/23

Left Out: 0.000+/-0.000 χ^2/NDF:3337849.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6655095.2/28

Left In: 0.000+/-0.000 χ^2/NDF:3299416.7/22

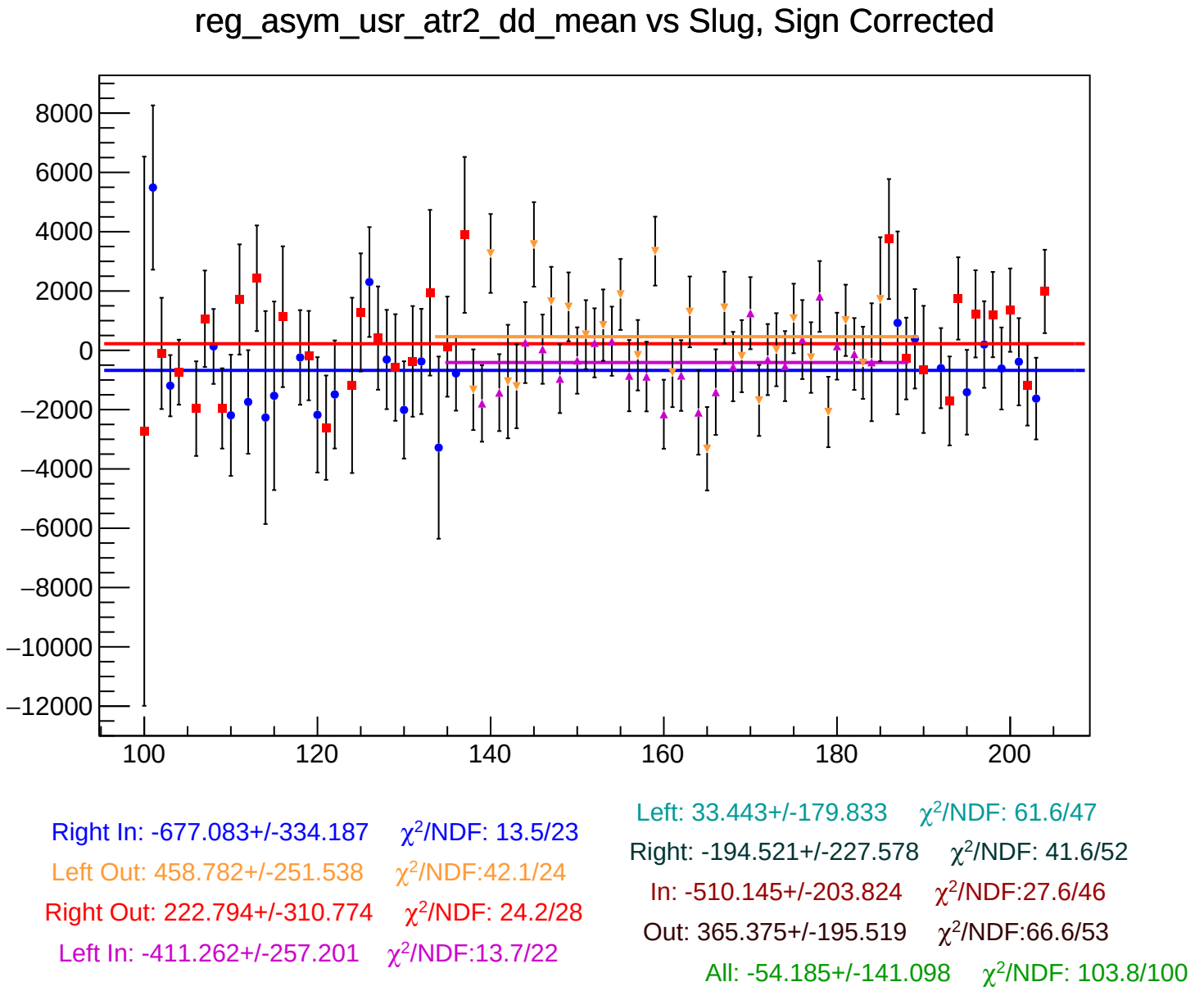
Left: 0.000+/-0.000 χ^2/NDF: 6637359.5/47

Right: 0.000+/-0.000 χ^2/NDF: 12250250.7/52

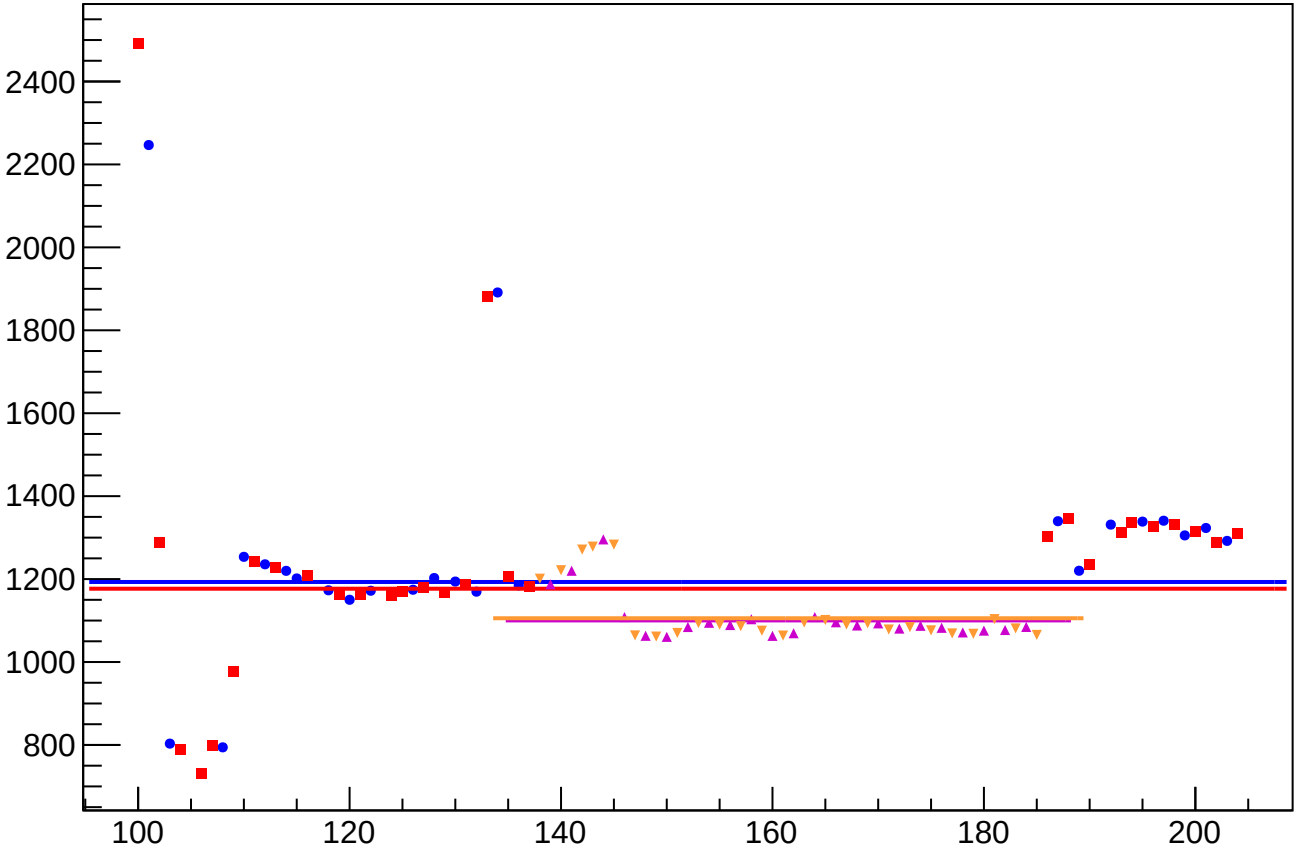
In: 0.000+/-0.000 χ^2/NDF:10393858.0/46

Out: 0.000+/-0.000 χ^2/NDF:12312437.0/53

All: 0.000+/-0.000 χ^2/NDF: 22707450.8/100


reg_asym_usr_atr2_dd_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
100
120
140
160
180
200
Right In: -677.083+/-334.187 χ²/NDF: 13.5/23
Left Out: 458.782+/-251.538 χ²/NDF:42.1/24
Right Out: 222.794+/-310.774 χ²/NDF: 24.2/28
Left In: -411.262+/-257.201 χ²/NDF:13.7/22
Left: 33.443+/-179.833 χ²/NDF: 61.6/47
Right: -194.521+/-227.578 χ²/NDF: 41.6/52
In: -510.145+/-203.824 χ²/NDF:27.6/46
Out: 365.375+/-195.519 χ²/NDF:66.6/53
All: -54.185+/-141.098 χ²/NDF: 103.8/100

reg_asym_usr_atr2_dd_rms vs Slug, Sign Corrected



Right In: 1193.028+/-0.236 χ^2/NDF: 988429.7/23

Left Out: 1105.549+/-0.178 χ^2/NDF:121950.0/24

Right Out: 1176.794+/-0.219 χ^2/NDF: 952631.8/28

Left In: 1100.350+/-0.182 χ^2/NDF:80240.5/22

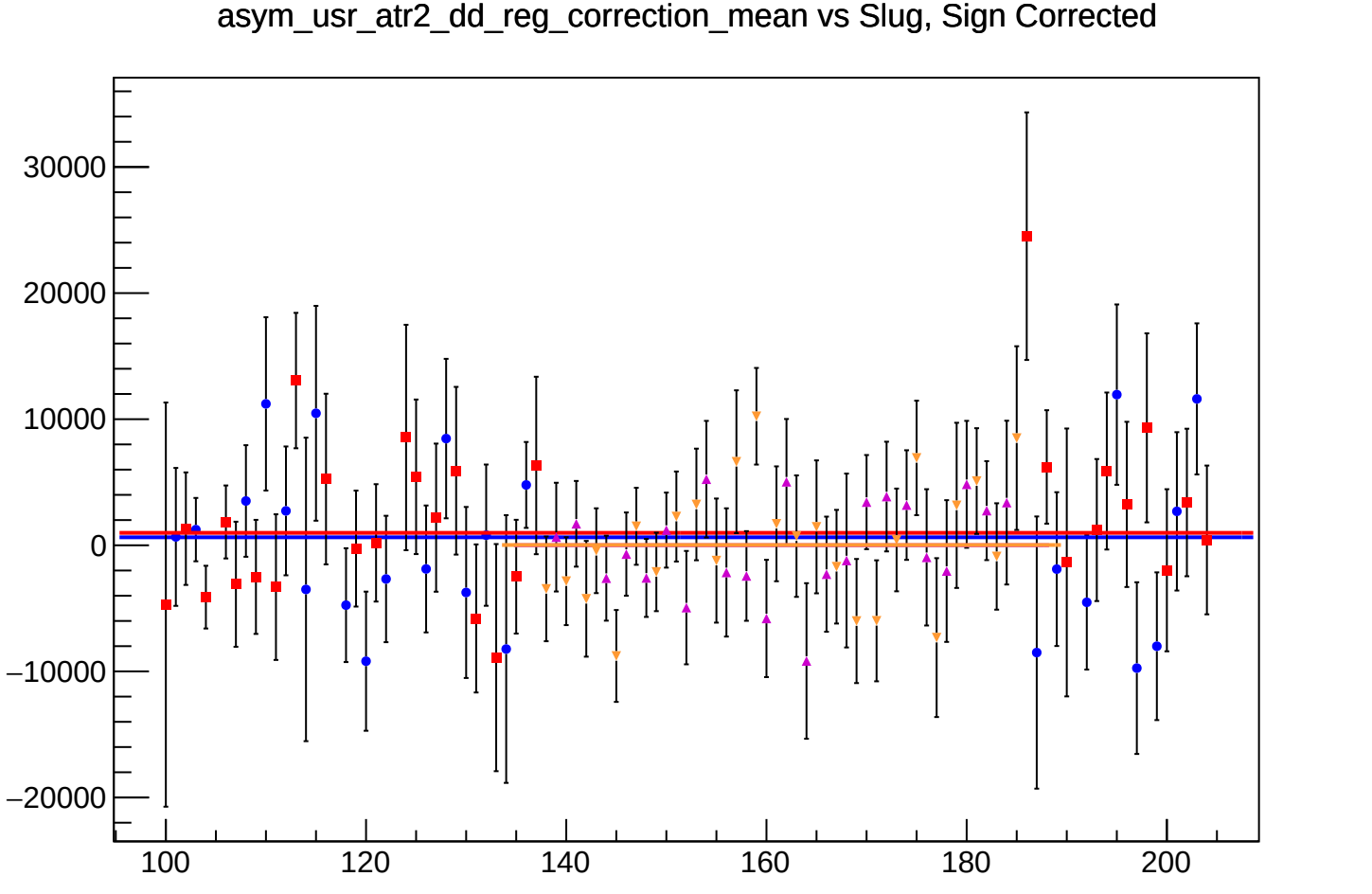
Left: 1103.007+/-0.127 χ^2/NDF: 202608.2/47

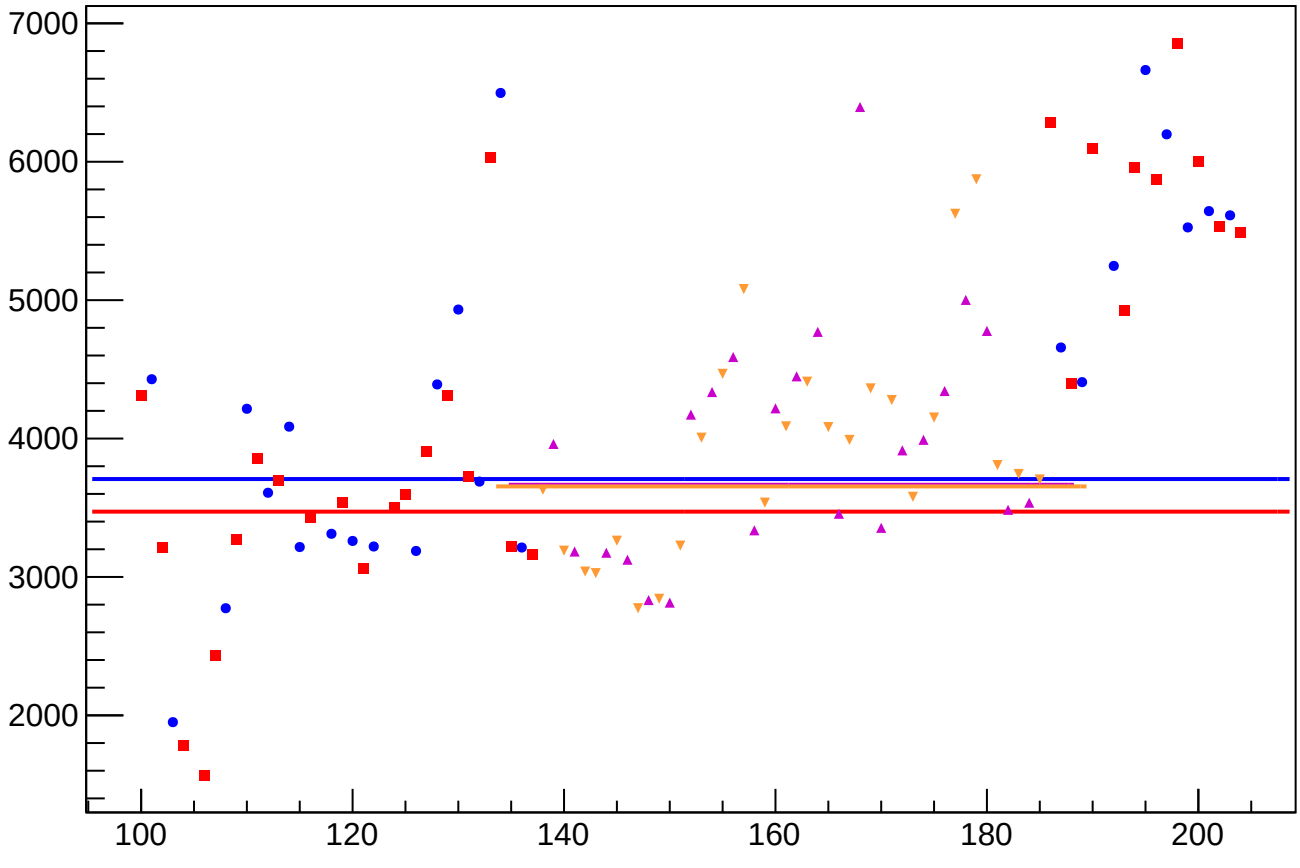
Right: 1184.284+/-0.161 χ^2/NDF: 1943603.7/52

In: 1134.825+/-0.144 χ^2/NDF:1165268.5/46

Out: 1133.911+/-0.138 χ^2/NDF:1138453.7/53

All: 1134.348+/-0.100 χ^2/NDF: 2303743.3/10


asym_usr_atr2_dd_reg_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
120
140
160
180
200
Right In: 633.669+/-1083.278 χ²/NDF: 26.2/23
Left Out: 23.368+/-850.404 χ²/NDF:28.5/24
Right Out: 987.502+/-973.494 χ²/NDF: 26.9/28
Left In: 6.317+/-875.256 χ²/NDF:14.0/22
Left: 15.088+/-609.923 χ²/NDF: 42.5/47
Right: 829.418+/-724.076 χ²/NDF: 53.1/52
In: 254.103+/-680.805 χ²/NDF:40.4/46
Out: 440.663+/-640.451 χ²/NDF:55.9/53
All: 353.076+/-466.482 χ²/NDF: 96.3/100



Right In: 3707.455+/-0.766 χ^2/NDF: 2862353.4/23

Left Out: 3654.198+/-0.601 χ^2/NDF:1311761.6/24

Right Out: 3471.918+/-0.688 χ^2/NDF: 4431210.6/28

Left In: 3666.118+/-0.619 χ^2/NDF:1343709.3/22

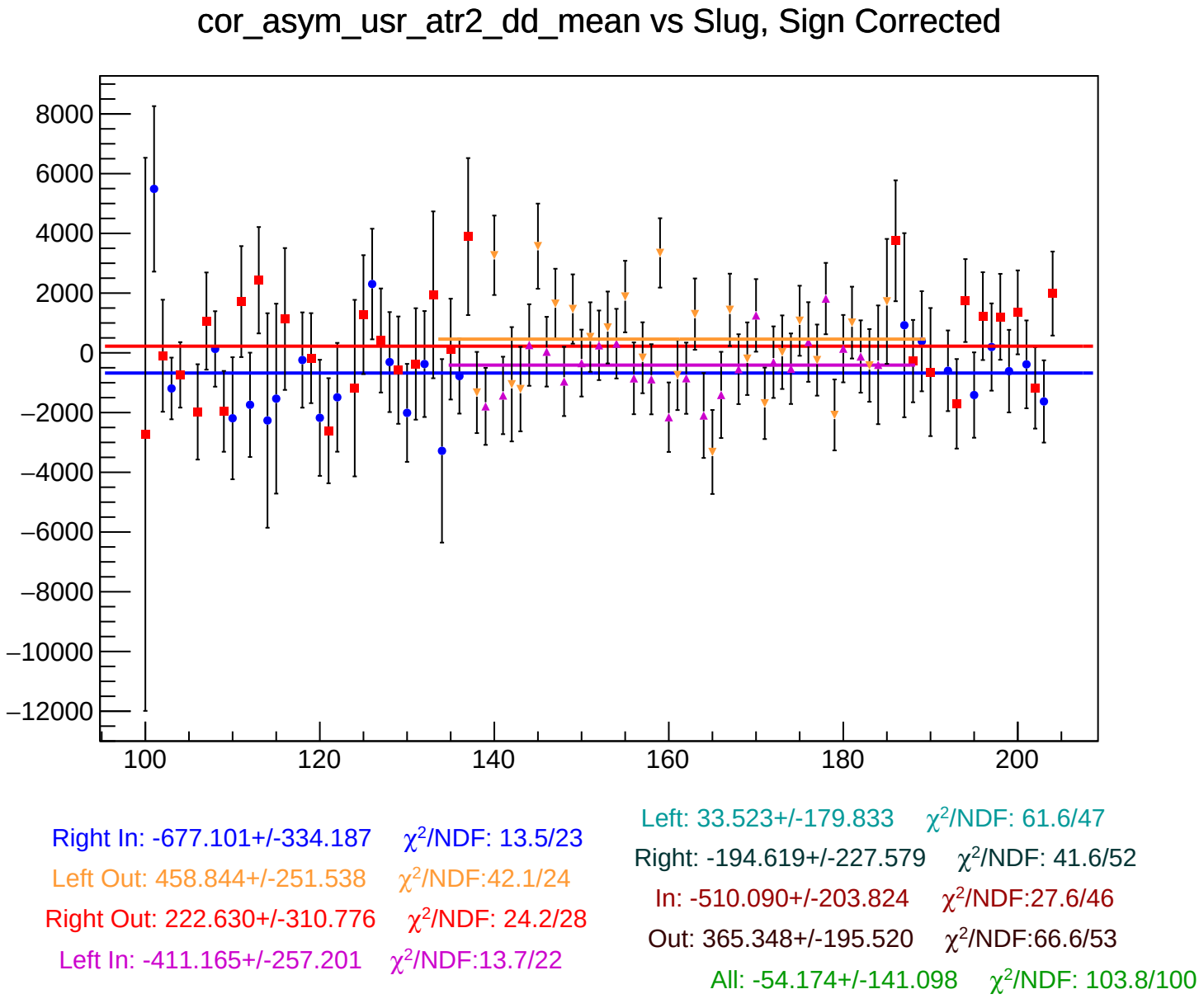
Left: 3659.986+/-0.431 χ^2/NDF: 2655661.7/47

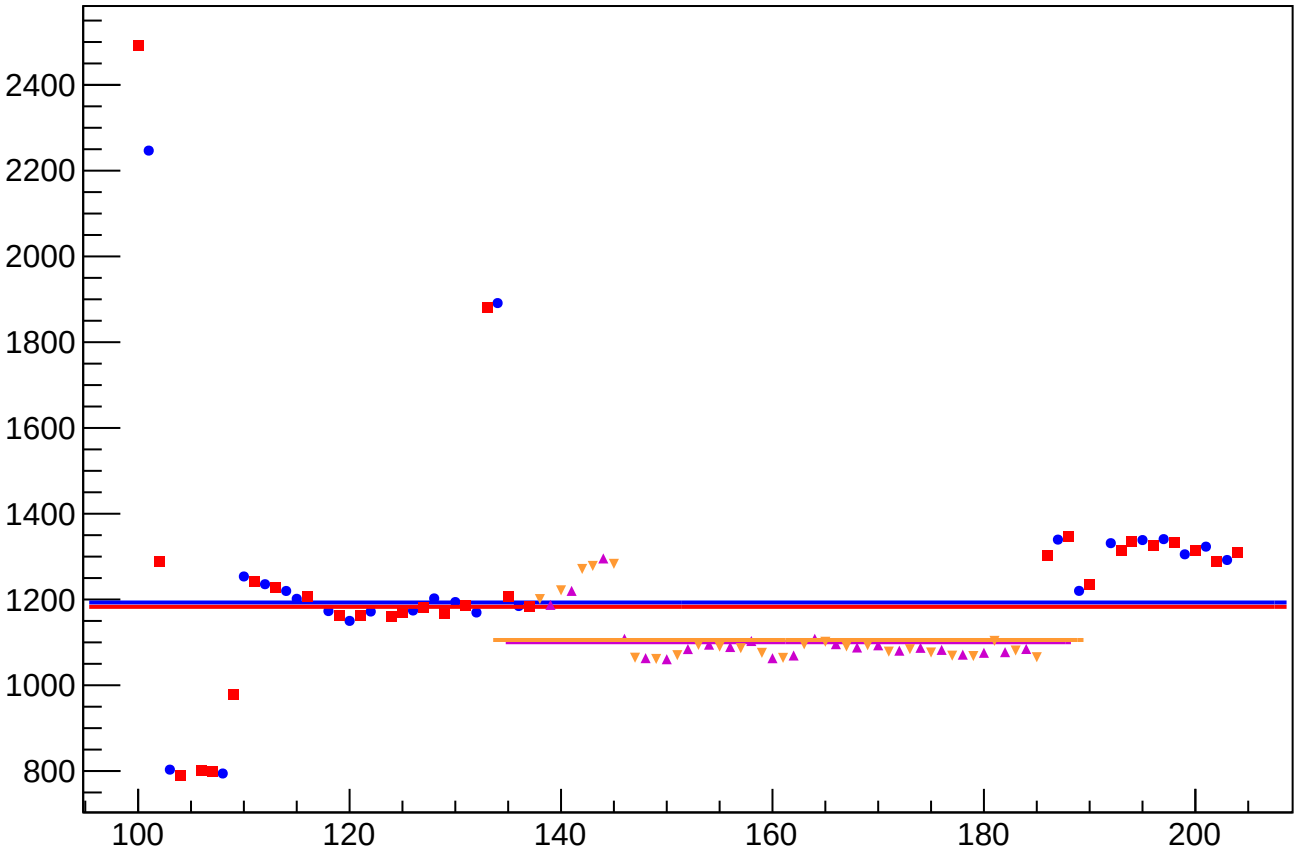
Right: 3577.150+/-0.512 χ^2/NDF: 7345872.5/52

In: 3682.445+/-0.481 χ^2/NDF:4207824.8/46

Out: 3575.304+/-0.453 χ^2/NDF:5782742.7/53

All: 3625.605+/-0.330 χ^2/NDF: 10016845.6/1


cor_asym_usr_atr2_dd_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
100
120
140
160
180
200
Right In: -677.101+/-334.187 χ²/NDF: 13.5/23
Left Out: 458.844+/-251.538 χ²/NDF:42.1/24
Right Out: 222.630+/-310.776 χ²/NDF: 24.2/28
Left In: -411.165+/-257.201 χ²/NDF:13.7/22
Left: 33.523+/-179.833 χ²/NDF: 61.6/47
Right: -194.619+/-227.579 χ²/NDF: 41.6/52
In: -510.090+/-203.824 χ²/NDF:27.6/46
Out: 365.348+/-195.520 χ²/NDF:66.6/53
All: -54.174+/-141.098 χ²/NDF: 103.8/100



Right In: 1193.028+/-0.236 χ^2/NDF: 988425.2/23

Left Out: 1105.549+/-0.178 χ^2/NDF:121950.0/24

Right Out: 1182.847+/-0.220 χ^2/NDF: 874213.7/28

Left In: 1100.350+/-0.182 χ^2/NDF:80240.5/22

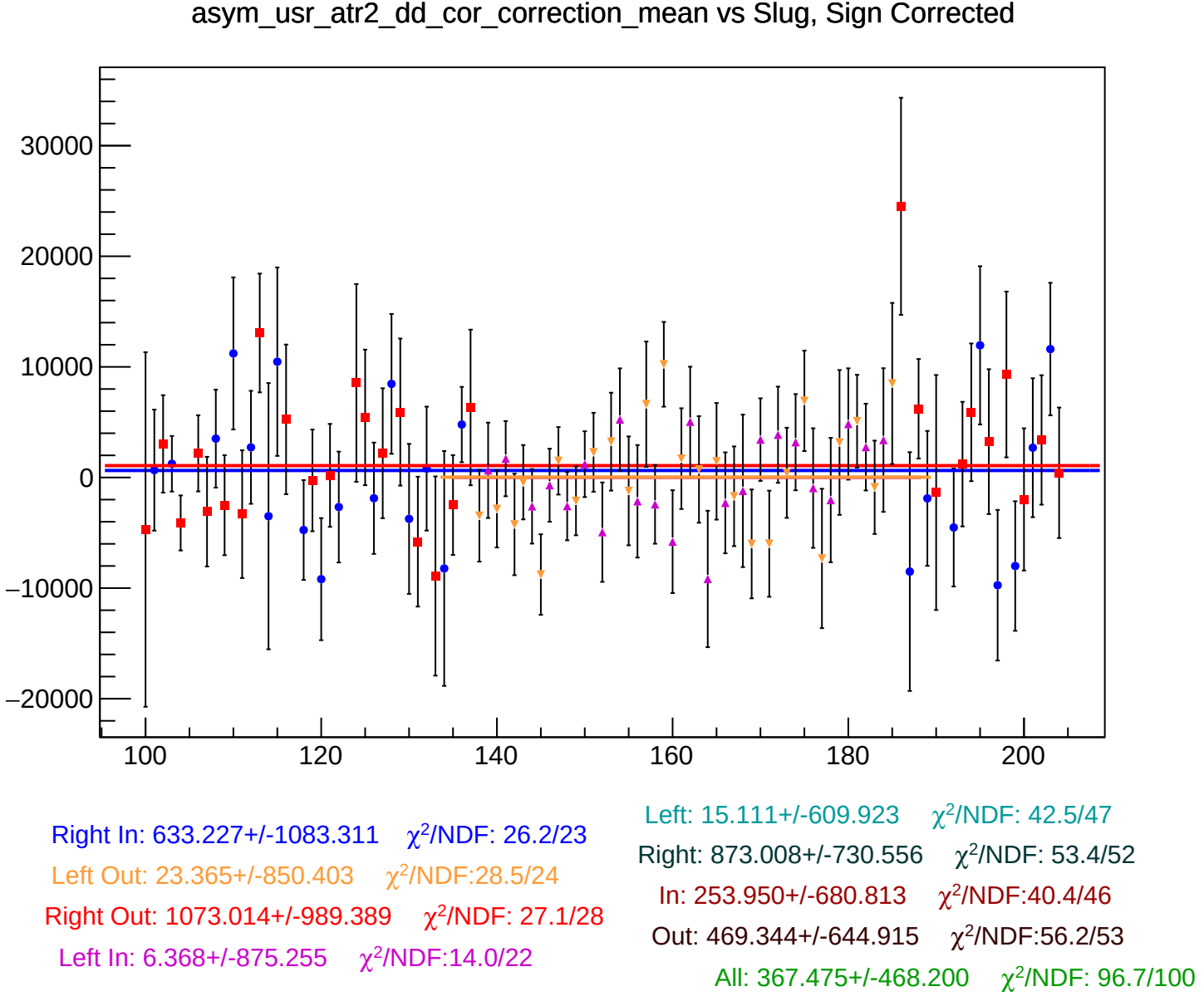
Left: 1103.007+/-0.127 χ^2/NDF: 202608.2/47

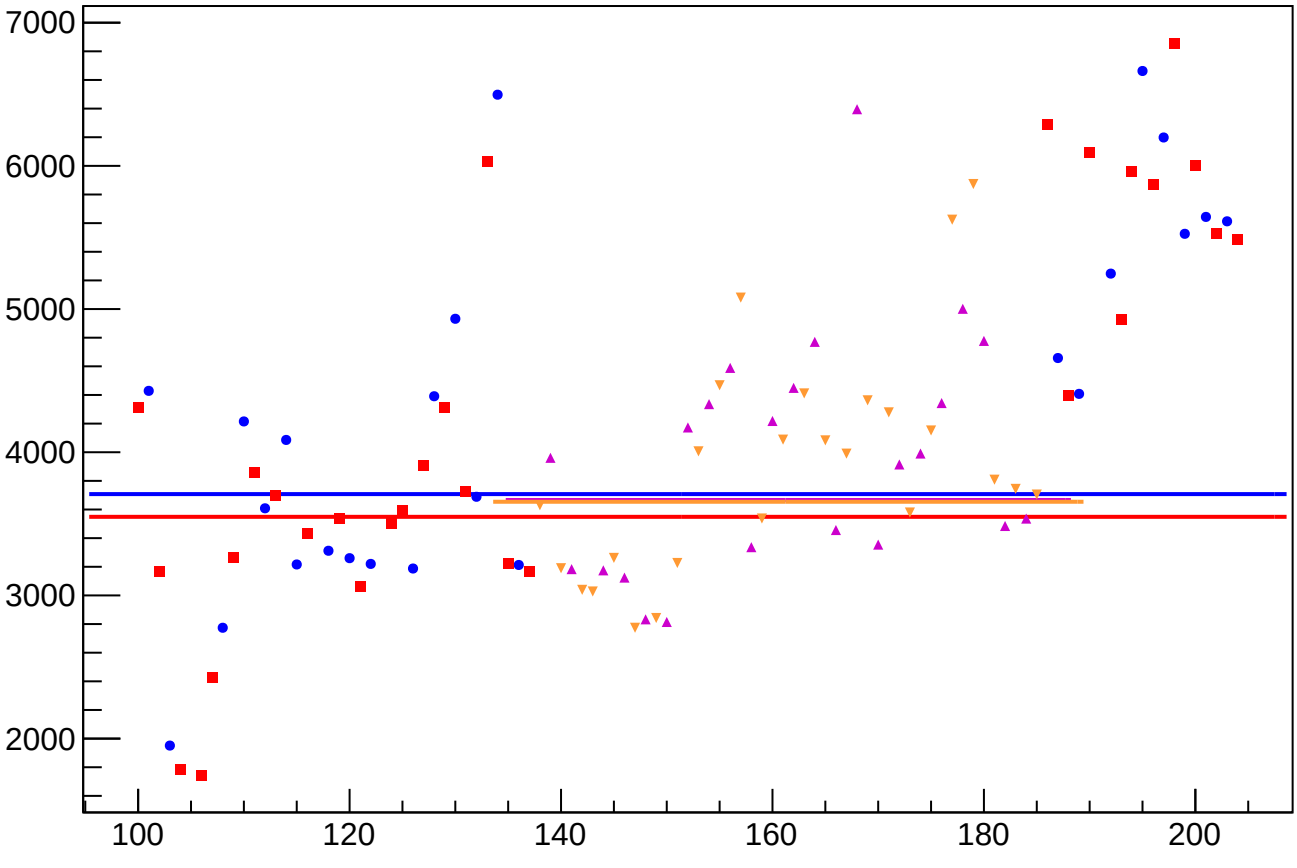
Right: 1187.563+/-0.161 χ^2/NDF: 1863635.3/52

In: 1134.825+/-0.144 χ^2/NDF:1165264.8/46

Out: 1136.185+/-0.138 χ^2/NDF:1071020.2/53

All: 1135.534+/-0.100 χ^2/NDF: 2236331.4/10


asym_usr_atr2_dd_cor_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
120
140
160
180
200
Right In: 633.227+/-1083.311 χ²/NDF: 26.2/23
Left Out: 23.365+/-850.403 χ²/NDF:28.5/24
Right Out: 1073.014+/-989.389 χ²/NDF: 27.1/28
Left In: 6.368+/-875.255 χ²/NDF:14.0/22
Left: 15.111+/-609.923 χ²/NDF: 42.5/47
Right: 873.008+/-730.556 χ²/NDF: 53.4/52
In: 253.950+/-680.813 χ²/NDF:40.4/46
Out: 469.344+/-644.915 χ²/NDF:56.2/53
All: 367.475+/-468.200 χ²/NDF: 96.7/100



Right In: 3707.630+/-0.766 χ^2/NDF: 2861625.1/23

Left Out: 3654.195+/-0.601 χ^2/NDF:1311769.4/24

Right Out: 3548.909+/-0.700 χ^2/NDF: 4059103.5/28

Left In: 3666.114+/-0.619 χ^2/NDF:1343711.6/22

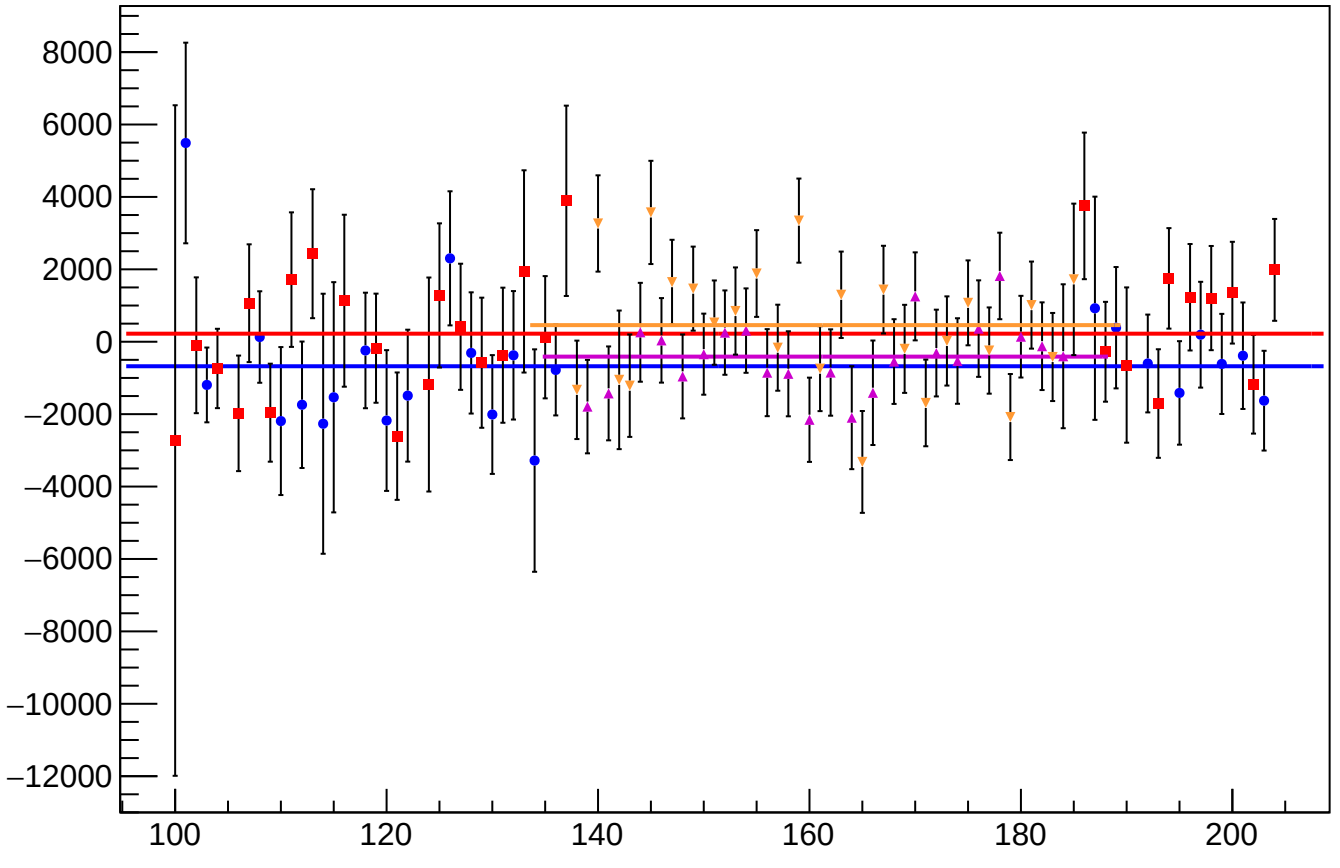
Left: 3659.983+/-0.431 χ^2/NDF: 2655671.8/47

Right: 3621.092+/-0.517 χ^2/NDF: 6944136.6/52

In: 3682.511+/-0.481 χ^2/NDF:4207113.9/46

Out: 3609.461+/-0.456 χ^2/NDF:5383898.2/53

All: 3644.009+/-0.331 χ^2/NDF: 9603148.2/10



Right In: -677.101+/-334.187 χ^2/NDF: 13.5/23

Left Out: 458.844+/-251.538 χ^2/NDF:42.1/24

Right Out: 222.630+/-310.776 χ^2/NDF: 24.2/28

Left In: -411.165+/-257.201 χ^2/NDF:13.7/22

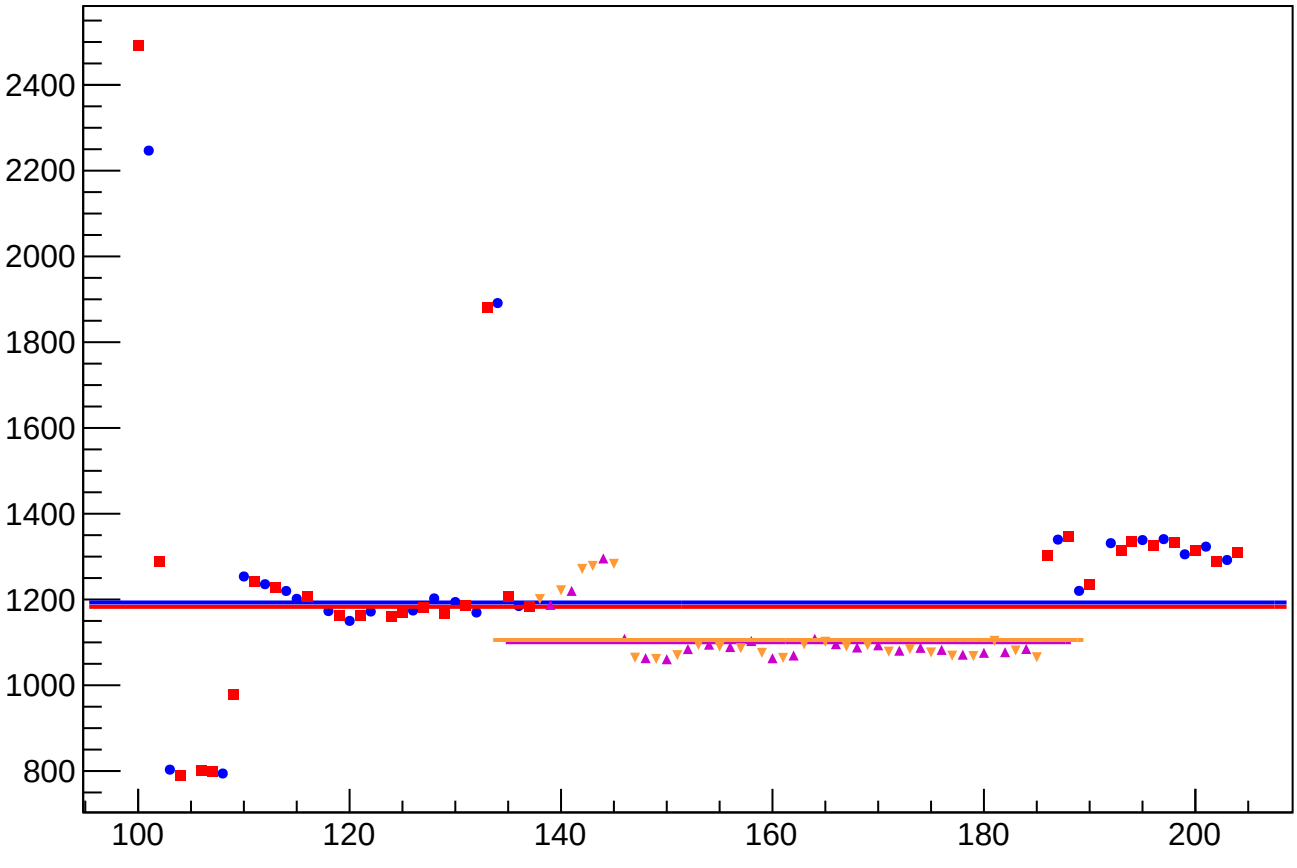
Left: 33.523+/-179.833 χ^2/NDF: 61.6/47

Right: -194.619+/-227.579 χ^2/NDF: 41.6/52

In: -510.090+/-203.824 χ^2/NDF:27.6/46

Out: 365.348+/-195.520 χ^2/NDF:66.6/53

All: -54.174+/-141.098 χ^2/NDF: 103.8/100



Right In: 1193.028+/-0.236 χ^2/NDF: 988425.2/23

Left Out: 1105.549+/-0.178 χ^2/NDF:121950.0/24

Right Out: 1182.847+/-0.220 χ^2/NDF: 874213.7/28

Left In: 1100.350+/-0.182 χ^2/NDF:80240.5/22

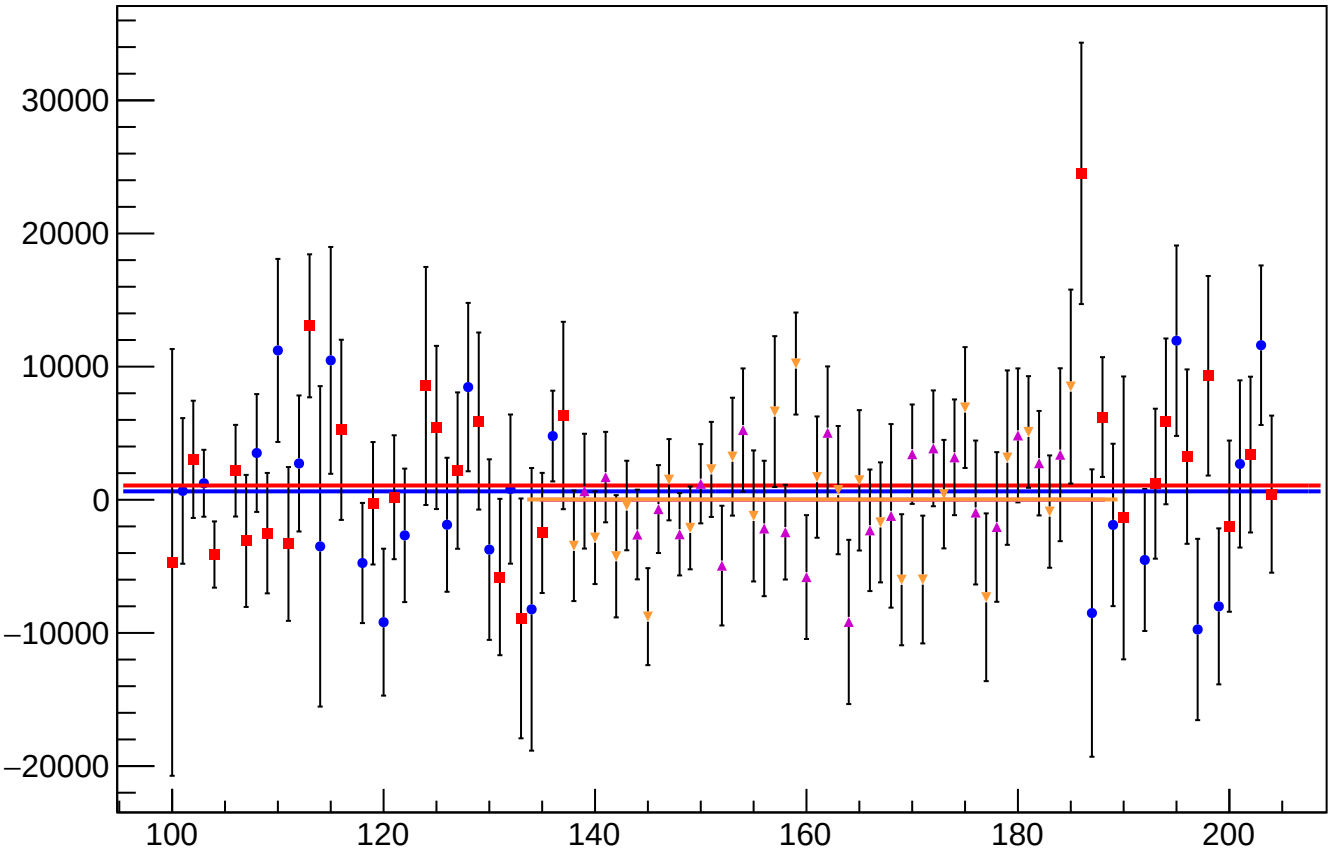
Left: 1103.007+/-0.127 χ^2/NDF: 202608.2/47

Right: 1187.563+/-0.161 χ^2/NDF: 1863635.3/52

In: 1134.825+/-0.144 χ^2/NDF:1165264.8/46

Out: 1136.185+/-0.138 χ^2/NDF:1071020.2/53

All: 1135.534+/-0.100 χ^2/NDF: 2236331.4/10



Right In: 633.227+/-1083.311 χ^2/NDF: 26.2/23

Left Out: 23.365+/-850.403 χ^2/NDF:28.5/24

Right Out: 1073.014+/-989.389 χ^2/NDF: 27.1/28

Left In: 6.368+/-875.255 χ^2/NDF:14.0/22

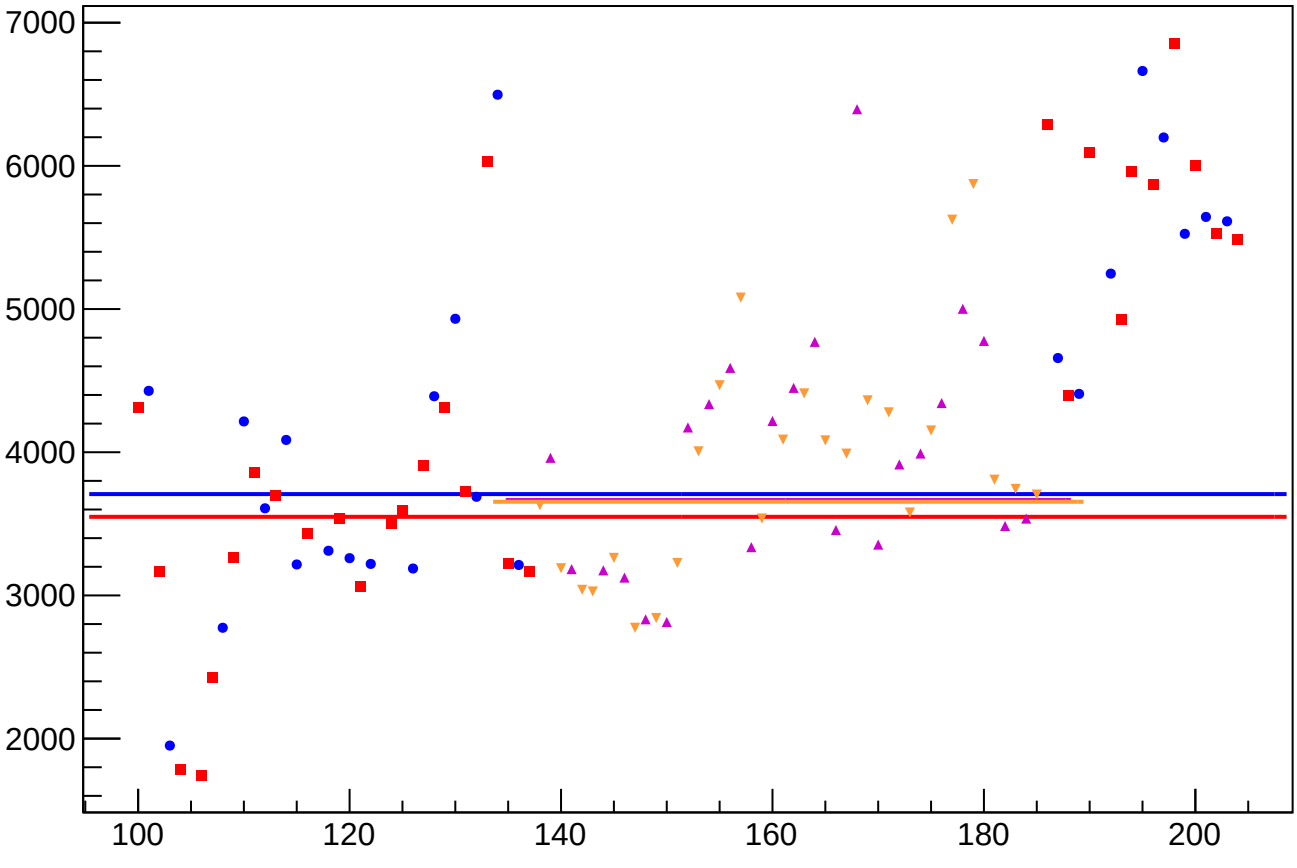
Left: 15.111+/-609.923 χ^2/NDF: 42.5/47

Right: 873.008+/-730.556 χ^2/NDF: 53.4/52

In: 253.950+/-680.813 χ^2/NDF:40.4/46

Out: 469.344+/-644.915 χ^2/NDF:56.2/53

All: 367.475+/-468.200 χ^2/NDF: 96.7/100



Right In: 3707.630+/-0.766 χ^2/NDF: 2861625.1/23

Left Out: 3654.195+/-0.601 χ^2/NDF:1311769.4/24

Right Out: 3548.909+/-0.700 χ^2/NDF: 4059103.5/28

Left In: 3666.114+/-0.619 χ^2/NDF:1343711.6/22

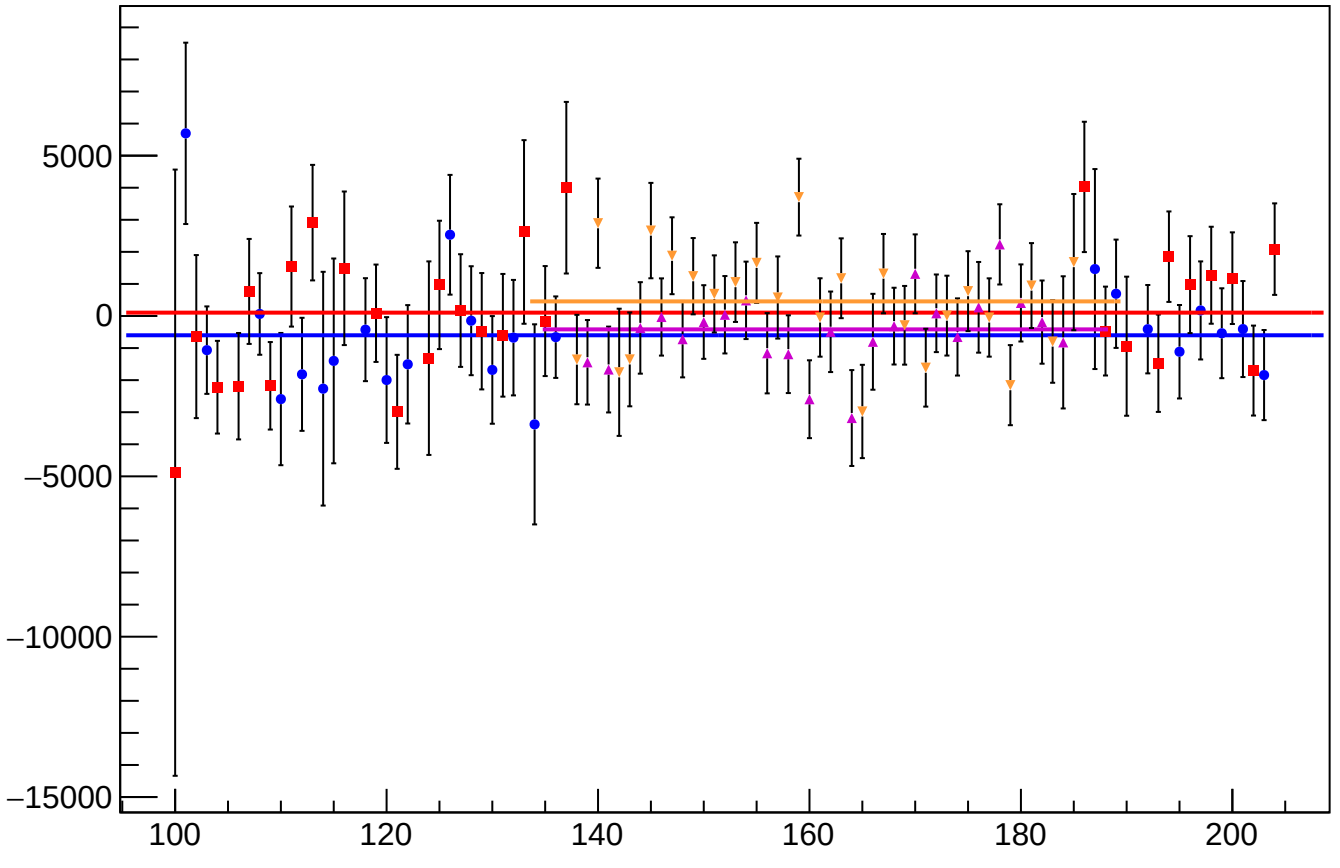
Left: 3659.983+/-0.431 χ^2/NDF: 2655671.8/47

Right: 3621.092+/-0.517 χ^2/NDF: 6944136.6/52

In: 3682.511+/-0.481 χ^2/NDF:4207113.9/46

Out: 3609.461+/-0.456 χ^2/NDF:5383898.2/53

All: 3644.009+/-0.331 χ^2/NDF: 9603148.2/10



Right In: -601.018+/-346.858 χ^2/NDF: 14.1/23

Left Out: 455.711+/-261.005 χ^2/NDF:36.1/24

Right Out: 104.761+/-323.163 χ^2/NDF: 29.6/28

Left In: -417.202+/-266.582 χ^2/NDF:17.3/22

Left: 28.481+/-186.499 χ^2/NDF: 59.0/47

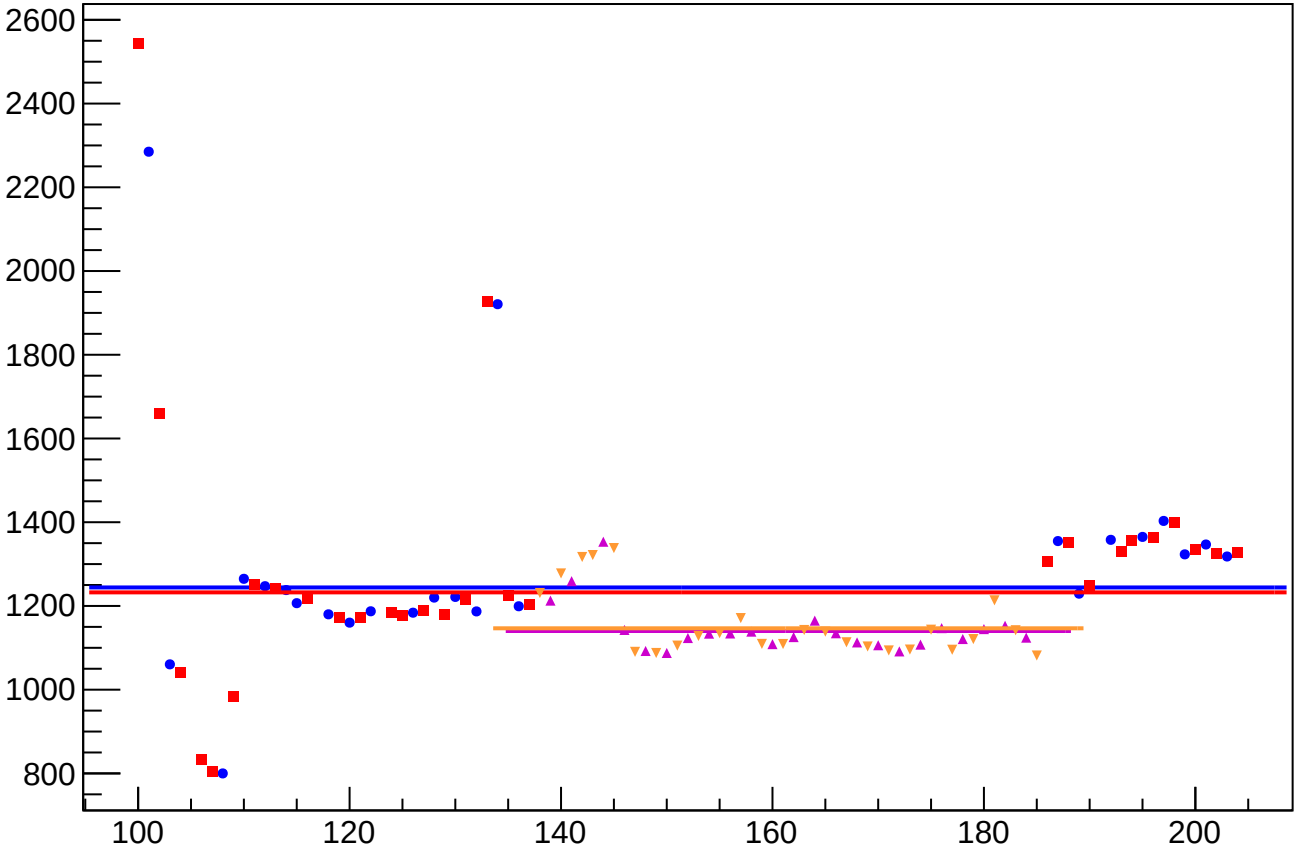
Right: -223.200+/-236.444 χ^2/NDF: 45.9/52

In: -485.461+/-211.368 χ^2/NDF:31.6/46

Out: 317.160+/-203.050 χ^2/NDF:66.4/53

All: -68.048+/-146.430 χ^2/NDF: 105.6/100

dit_asym_usr_atr2_dd_rms vs Slug, Sign Corrected



Right In: 1244.192+/-0.245 χ^2/NDF: 734567.8/23

Left Out: 1146.614+/-0.185 χ^2/NDF:141015.8/24

Right Out: 1232.433+/-0.228 χ^2/NDF: 688980.7/28

Left In: 1140.168+/-0.189 χ^2/NDF:84737.4/22

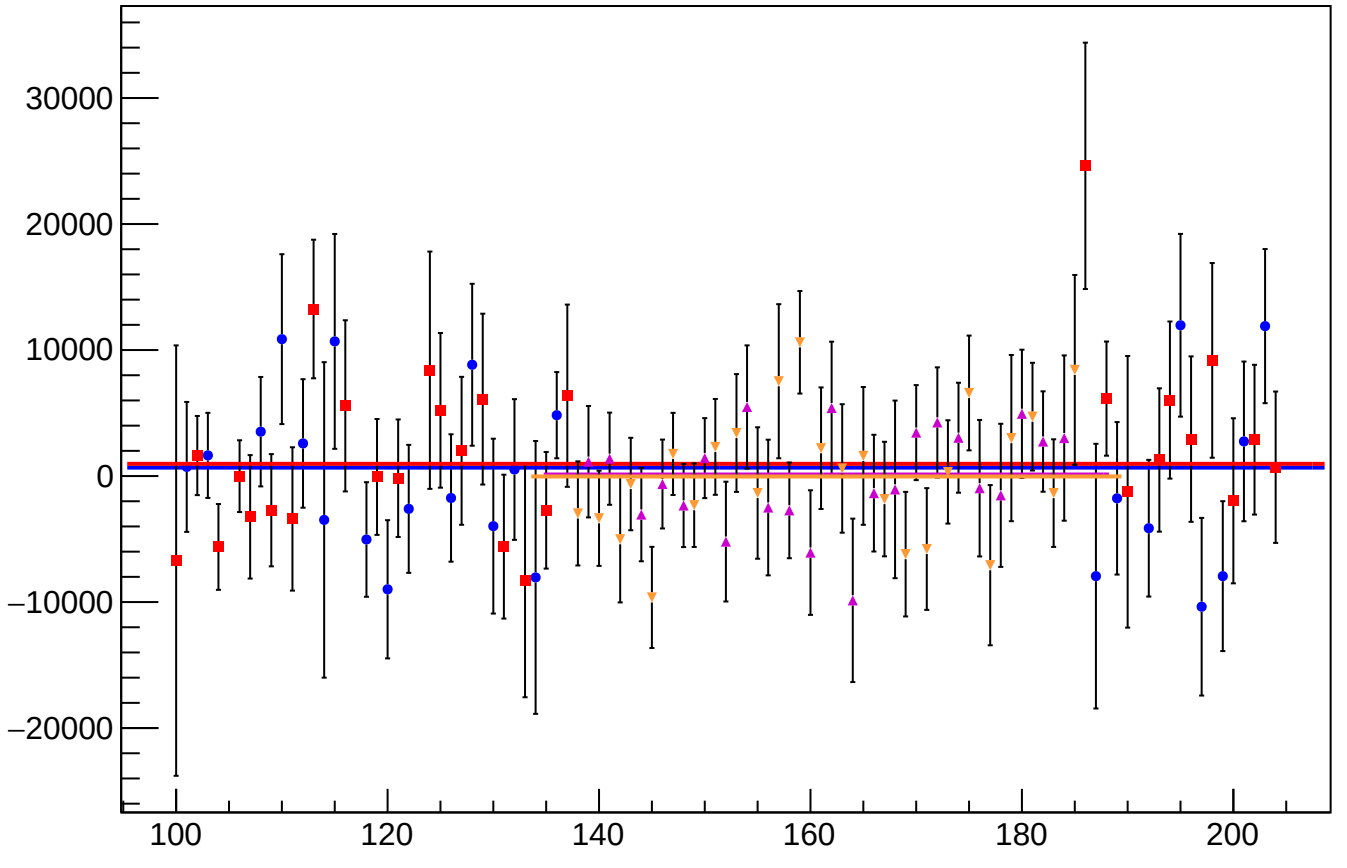
Left: 1143.459+/-0.132 χ^2/NDF: 226350.2/47

Right: 1237.896+/-0.167 χ^2/NDF: 1424779.4/52

In: 1178.797+/-0.149 χ^2/NDF:932392.0/46

Out: 1180.504+/-0.144 χ^2/NDF:915384.1/53

All: 1179.685+/-0.104 χ^2/NDF: 1847844.0/10



Right In: 670.092+/-1133.069 χ^2/NDF: 26.0/23

Left Out: -33.549+/-891.370 χ^2/NDF:27.8/24

Right Out: 969.543+/-987.317 χ^2/NDF: 26.3/28

Left In: 121.051+/-915.714 χ^2/NDF:13.8/22

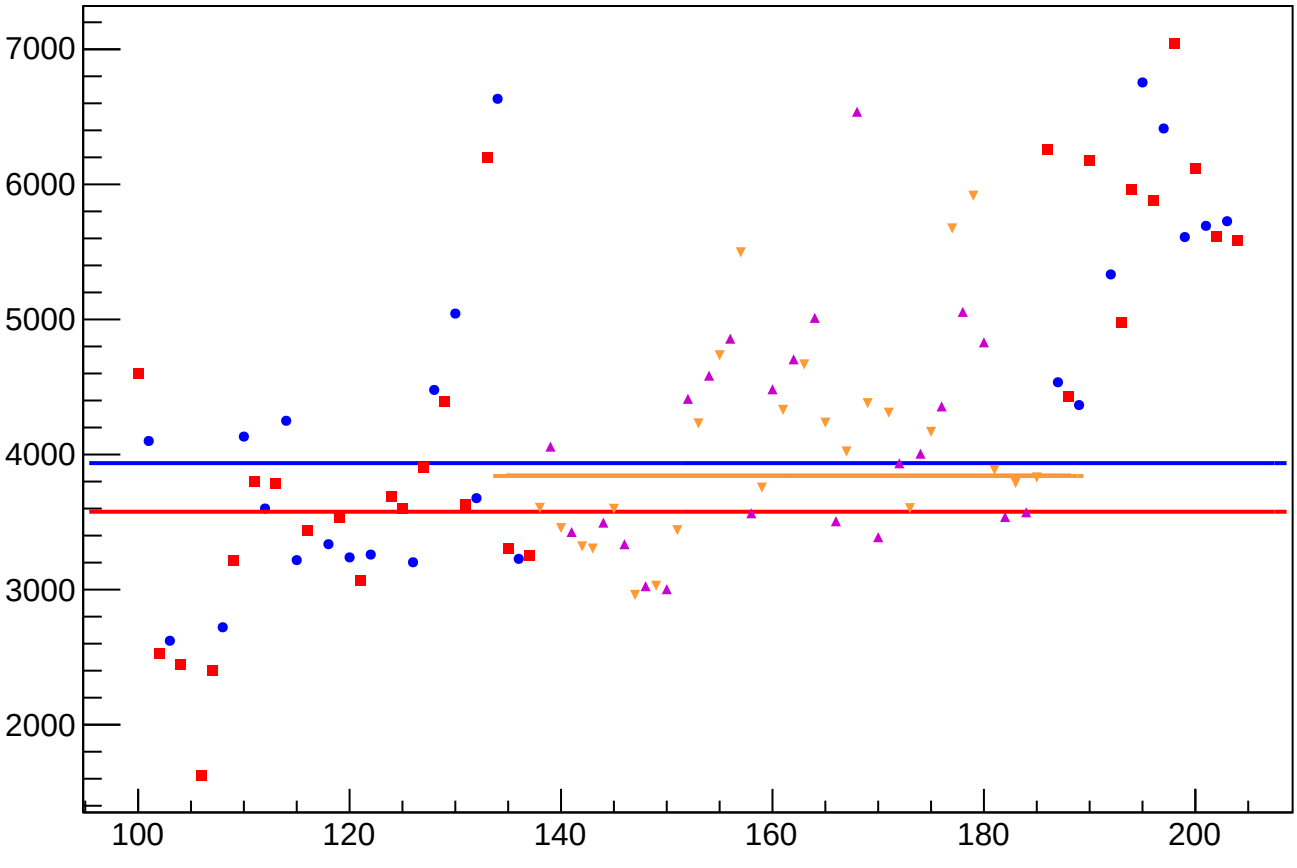
Left: 41.669+/-638.727 χ^2/NDF: 41.5/47

Right: 840.304+/-744.371 χ^2/NDF: 52.4/52

In: 337.973+/-712.205 χ^2/NDF:39.9/46

Out: 416.901+/-661.621 χ^2/NDF:54.6/53

All: 380.339+/-484.734 χ^2/NDF: 94.6/100



Right In: 3936.398+/-0.801 χ^2/NDF: 2093990.0/23

Left Out: 3840.830+/-0.630 χ^2/NDF:1118666.6/24

Right Out: 3576.623+/-0.698 χ^2/NDF: 3921751.9/28

Left In: 3843.328+/-0.648 χ^2/NDF:1196057.8/22

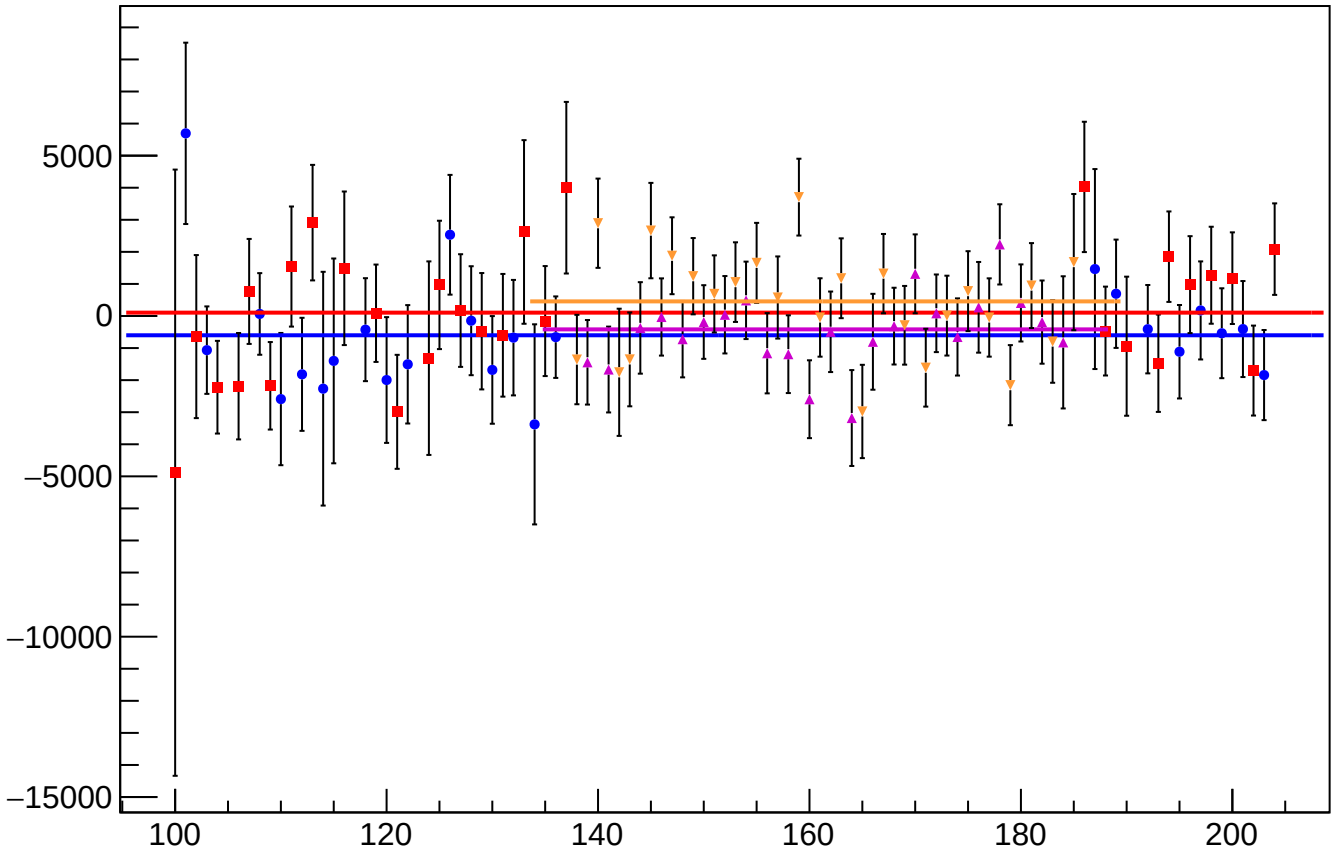
Left: 3842.046+/-0.452 χ^2/NDF: 2314732.0/47

Right: 3731.896+/-0.526 χ^2/NDF: 6130357.8/52

In: 3880.099+/-0.504 χ^2/NDF:3298210.4/46

Out: 3722.185+/-0.468 χ^2/NDF:5119324.3/53

All: 3795.336+/-0.343 χ^2/NDF: 8470312.5/10



Right In: -601.019+/-346.858 χ^2/NDF: 14.1/23

Left Out: 455.716+/-261.006 χ^2/NDF:36.1/24

Right Out: 104.759+/-323.163 χ^2/NDF: 29.6/28

Left In: -417.201+/-266.583 χ^2/NDF:17.3/22

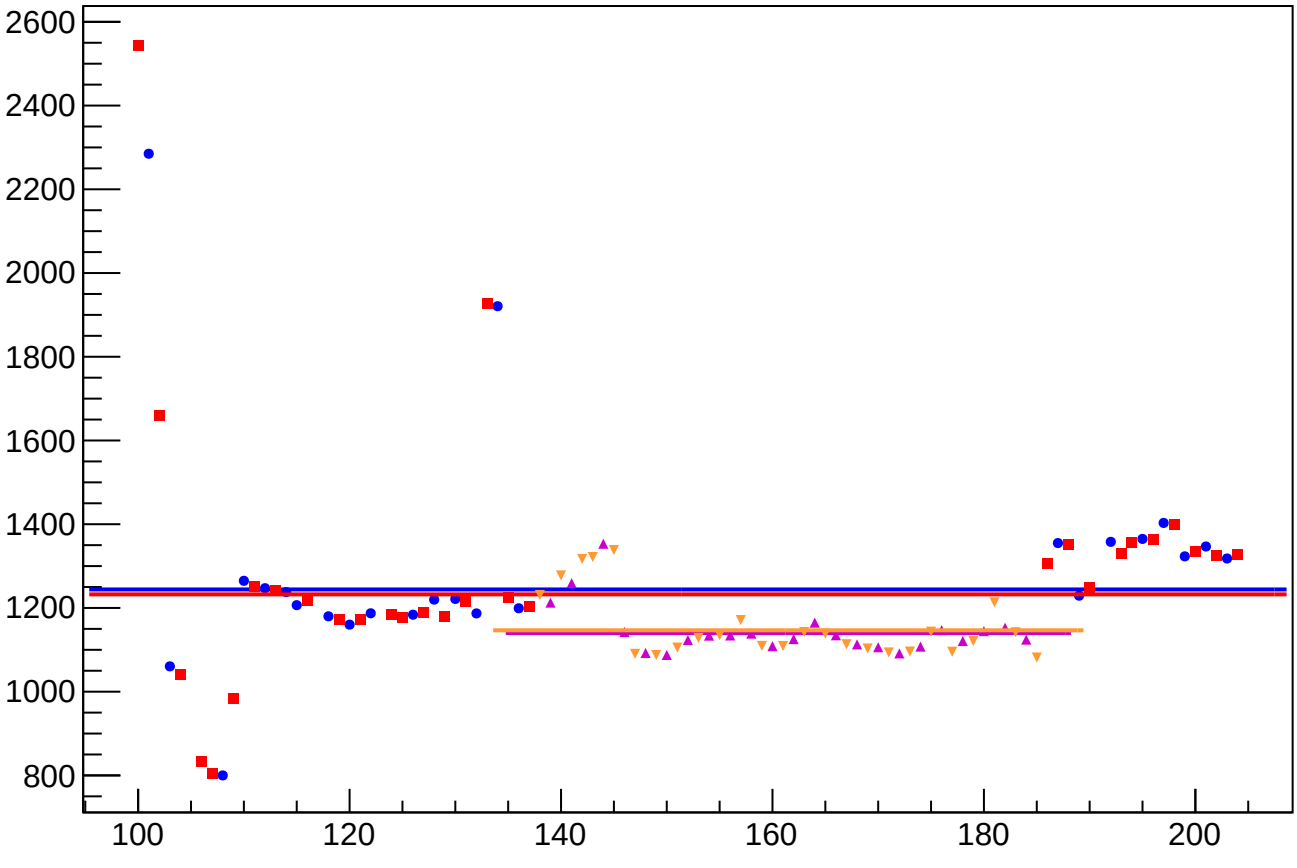
Left: 28.484+/-186.499 χ^2/NDF: 59.0/47

Right: -223.202+/-236.444 χ^2/NDF: 45.9/52

In: -485.460+/-211.368 χ^2/NDF:31.6/46

Out: 317.162+/-203.050 χ^2/NDF:66.4/53

All: -68.047+/-146.430 χ^2/NDF: 105.6/100



Right In: 1244.192+/-0.245 χ^2/NDF: 734568.5/23

Left Out: 1146.614+/-0.185 χ^2/NDF:141015.8/24

Right Out: 1232.433+/-0.228 χ^2/NDF: 688980.4/28

Left In: 1140.169+/-0.189 χ^2/NDF:84737.2/22

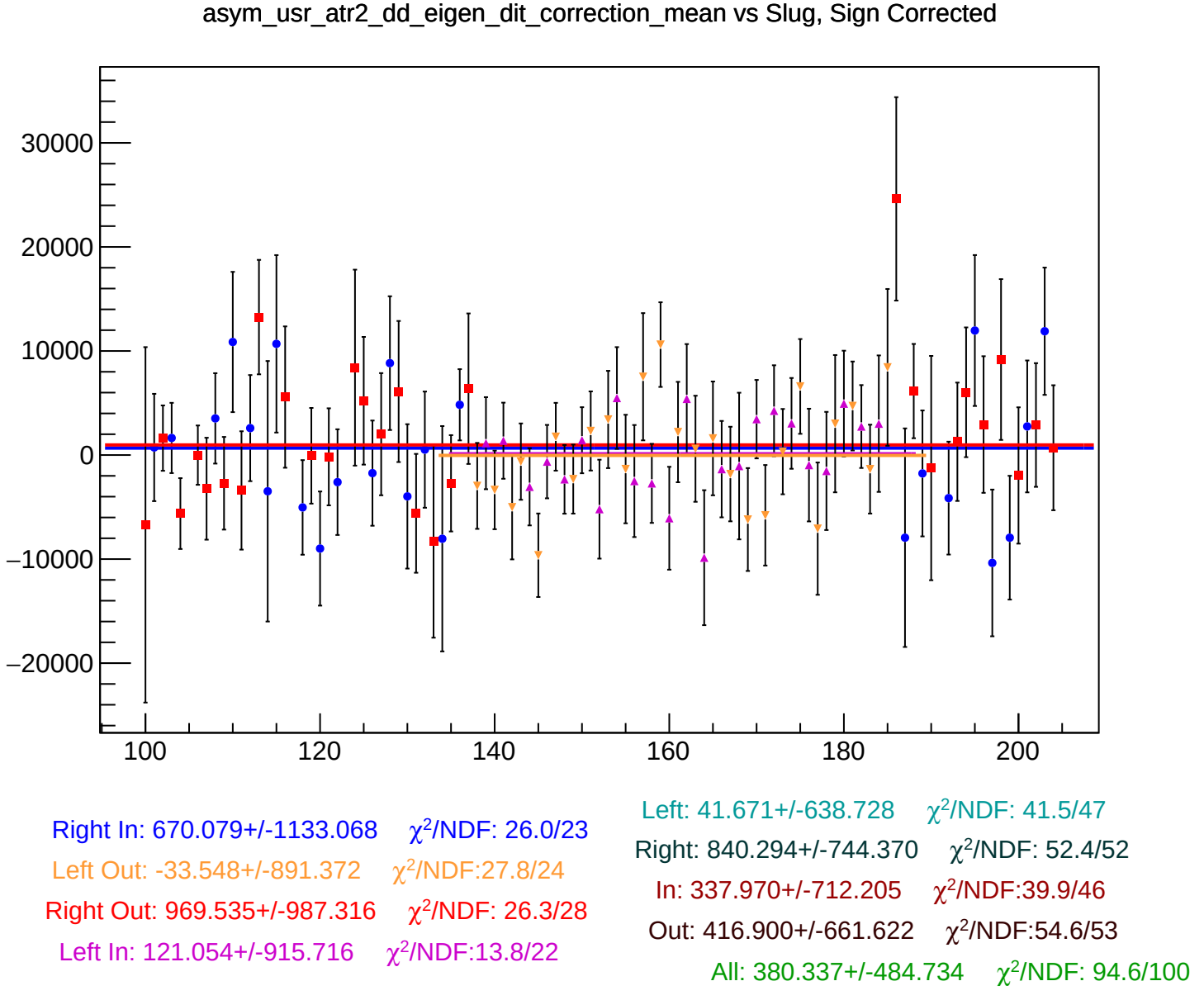
Left: 1143.460+/-0.132 χ^2/NDF: 226349.9/47

Right: 1237.896+/-0.167 χ^2/NDF: 1424779.8/52

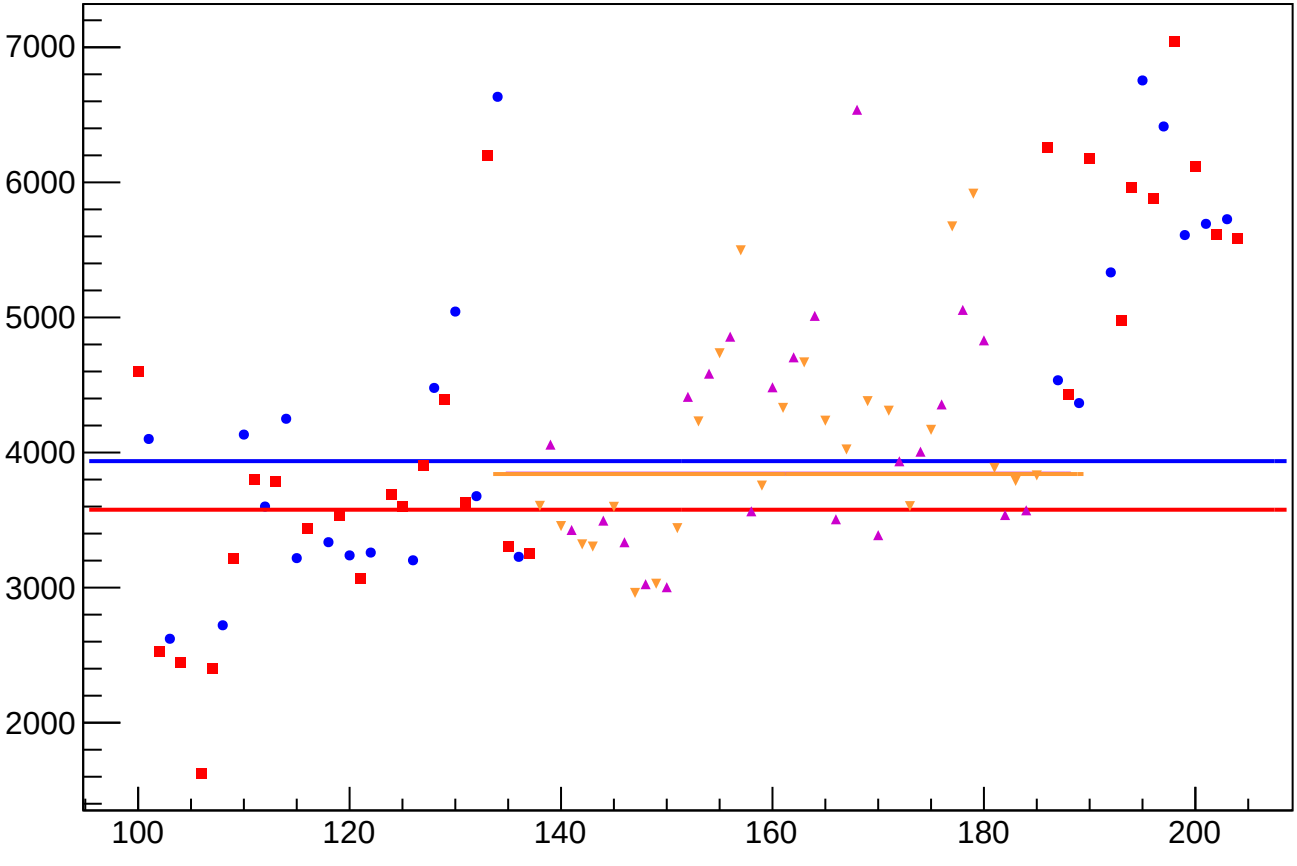
In: 1178.797+/-0.149 χ^2/NDF:932390.7/46

Out: 1180.505+/-0.144 χ^2/NDF:915383.1/53

All: 1179.685+/-0.104 χ^2/NDF: 1847841.7/10


asym_usr_atr2_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
120
140
160
180
200
Right In: 670.079+/-1133.068 χ²/NDF: 26.0/23
Left Out: -33.548+/-891.372 χ²/NDF:27.8/24
Right Out: 969.535+/-987.316 χ²/NDF: 26.3/28
Left In: 121.054+/-915.716 χ²/NDF:13.8/22
Left: 41.671+/-638.728 χ²/NDF: 41.5/47
Right: 840.294+/-744.370 χ²/NDF: 52.4/52
In: 337.970+/-712.205 χ²/NDF:39.9/46
Out: 416.900+/-661.622 χ²/NDF:54.6/53
All: 380.337+/-484.734 χ²/NDF: 94.6/100

asym_usr_atr2_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 3936.396+/-0.801 χ^2/NDF: 2093998.9/23

Left Out: 3840.836+/-0.630 χ^2/NDF:1118668.2/24

Right Out: 3576.618+/-0.698 χ^2/NDF: 3921770.6/28

Left In: 3843.333+/-0.648 χ^2/NDF:1196061.6/22

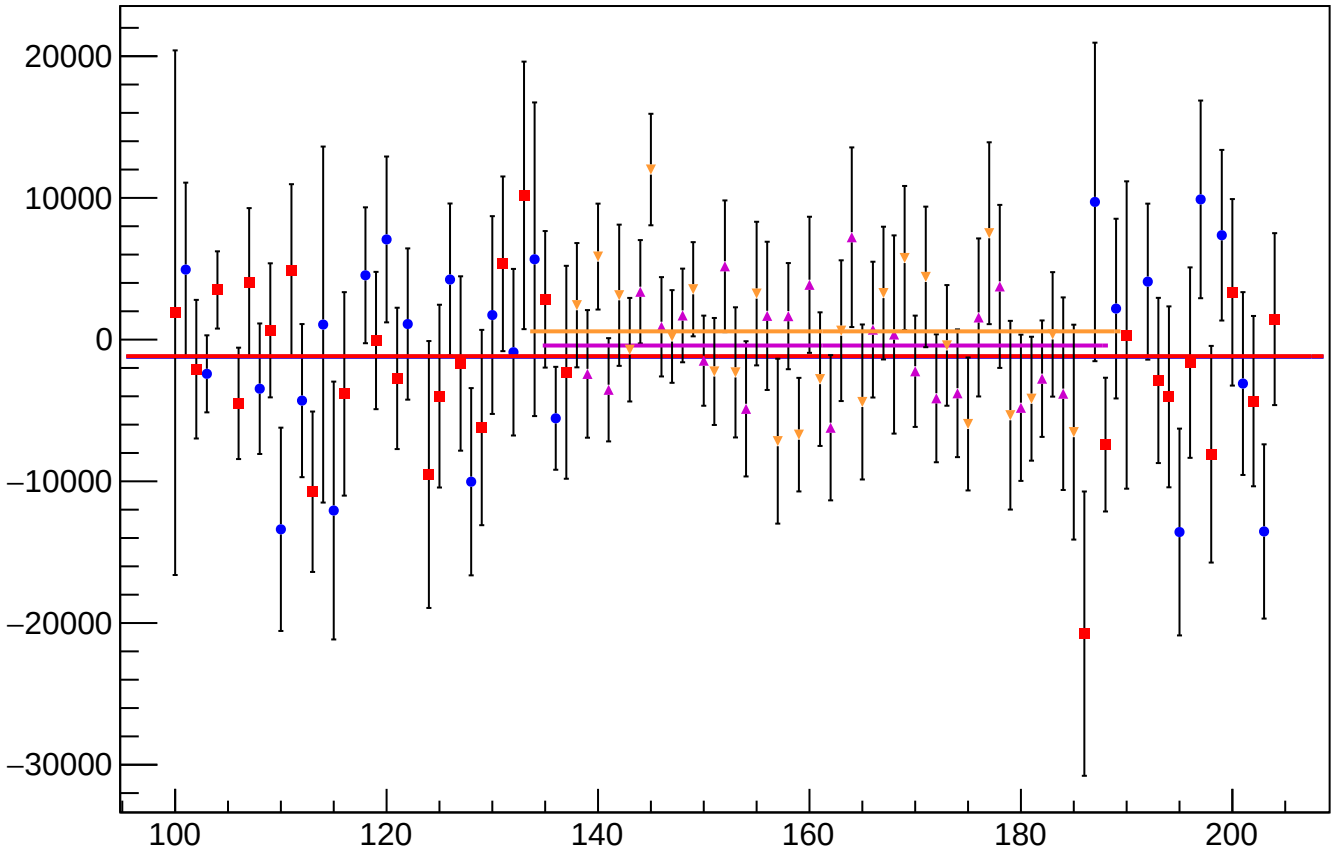
Left: 3842.051+/-0.452 χ^2/NDF: 2314737.5/47

Right: 3731.893+/-0.526 χ^2/NDF: 6130387.0/52

In: 3880.101+/-0.504 χ^2/NDF:3298221.8/46

Out: 3722.185+/-0.468 χ^2/NDF:5119350.6/53

All: 3795.337+/-0.343 χ^2/NDF: 8470351.2/10



Right In: -1211.827+/-1144.572 χ^2/NDF: 28.2/23

Left Out: 583.278+/-894.900 χ^2/NDF:27.4/24

Right Out: -1167.106+/-1053.139 χ^2/NDF: 21.4/28

Left In: -416.803+/-919.006 χ^2/NDF:12.5/22

Left: 96.526+/-641.143 χ^2/NDF: 40.5/47

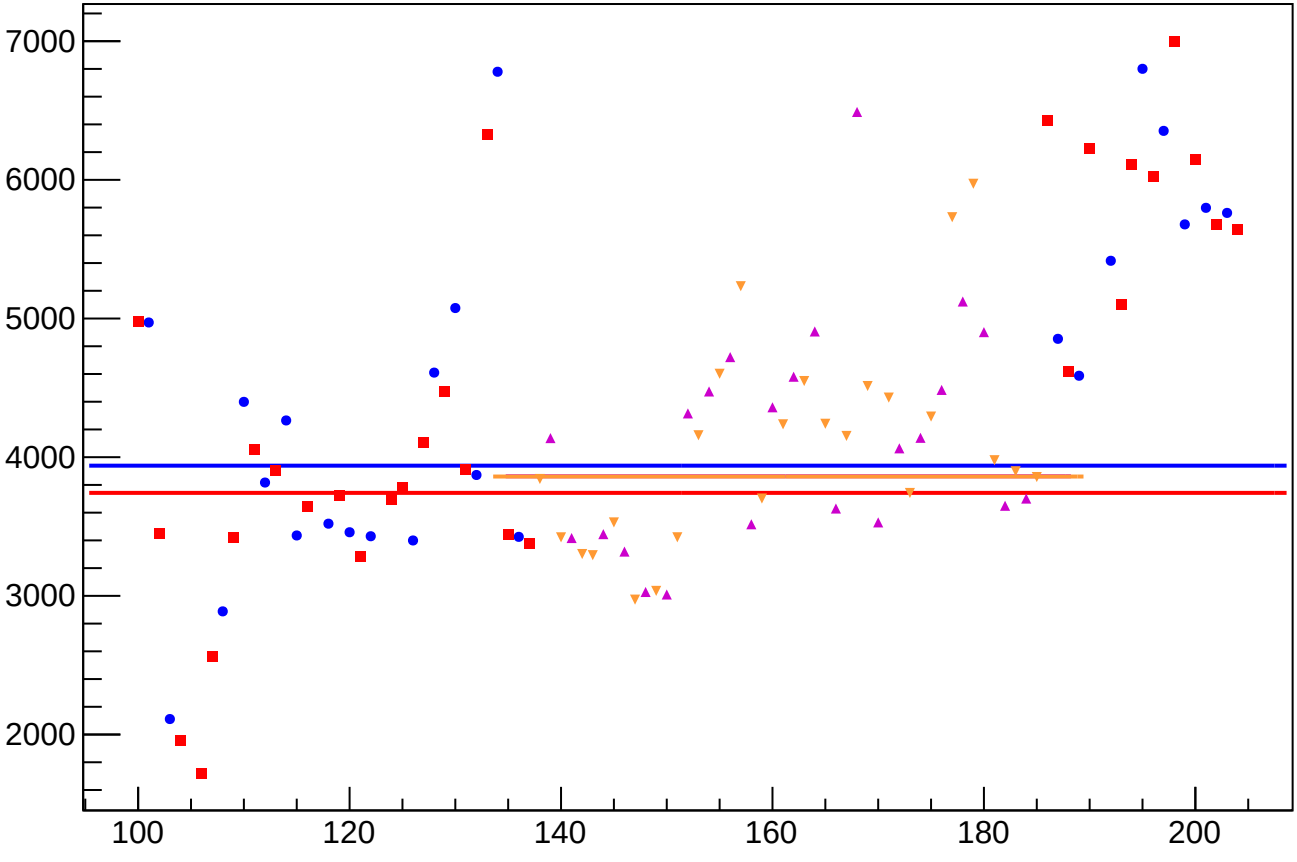
Right: -1187.609+/-774.993 χ^2/NDF: 49.7/52

In: -728.439+/-716.599 χ^2/NDF:41.0/46

Out: -150.663+/-681.945 χ^2/NDF:50.5/53

All: -425.243+/-494.005 χ^2/NDF: 91.8/100

asym_usr_atr2_dd_rms vs Slug, Sign Corrected



Right In: 3938.864+/-0.809 χ^2/NDF: 2628657.5/23

Left Out: 3860.536+/-0.633 χ^2/NDF:1097292.6/24

Right Out: 3742.651+/-0.735 χ^2/NDF: 3886812.5/28

Left In: 3862.339+/-0.650 χ^2/NDF:1142179.8/22

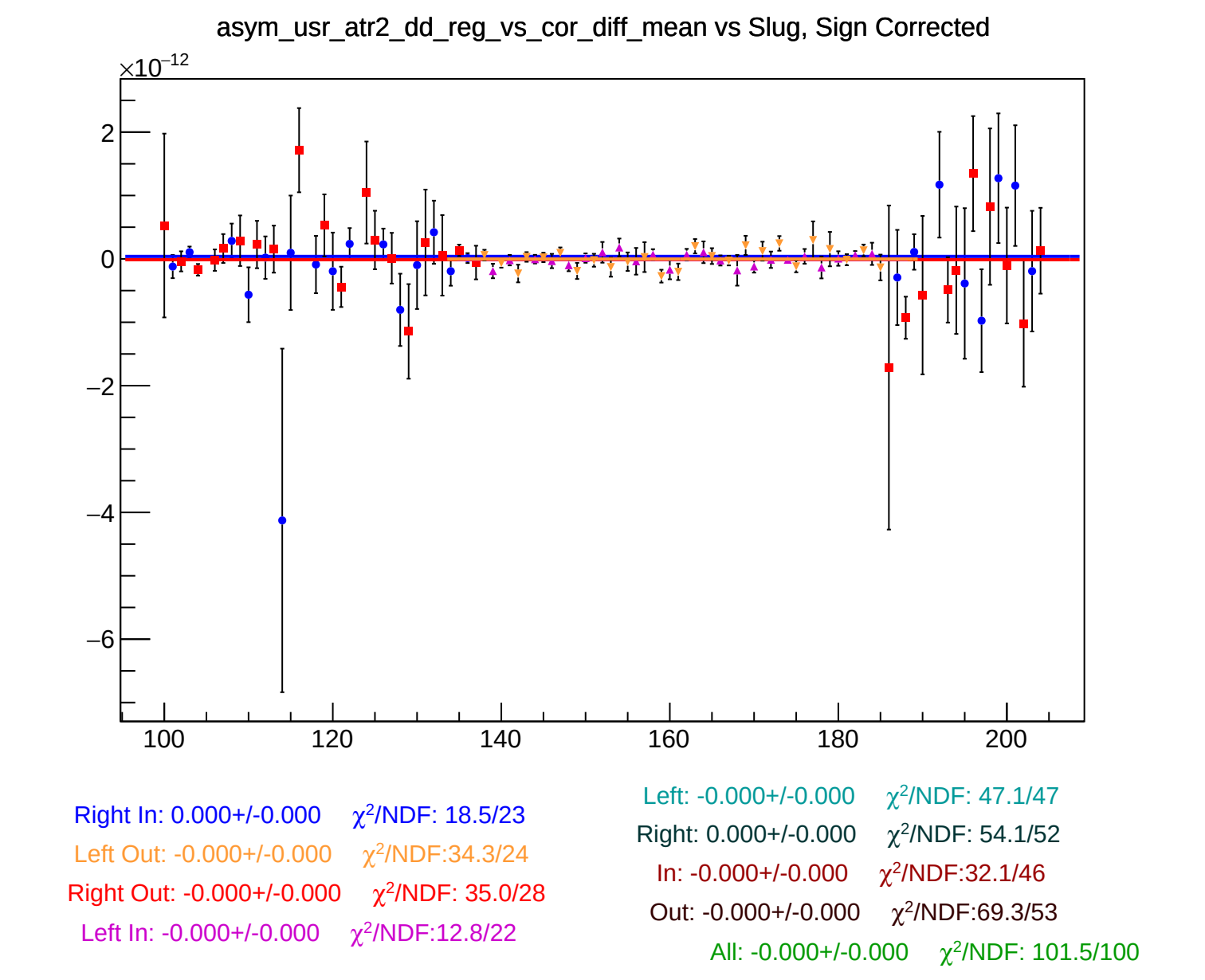
Left: 3861.414+/-0.453 χ^2/NDF: 2239476.3/47

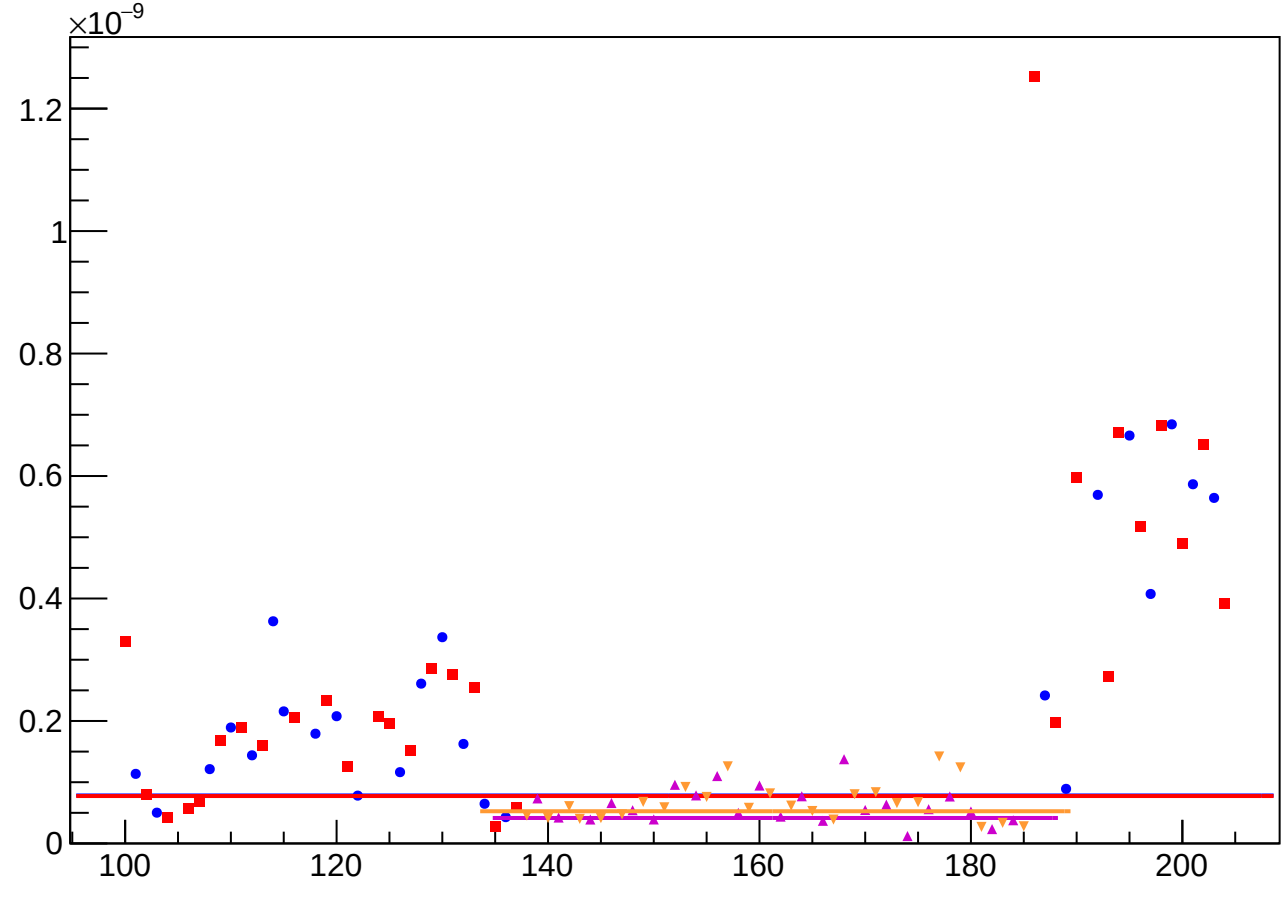
Right: 3831.387+/-0.544 χ^2/NDF: 6547665.1/52

In: 3892.336+/-0.507 χ^2/NDF:3776273.2/46

Out: 3810.384+/-0.480 χ^2/NDF:4998869.8/53

All: 3849.114+/-0.348 χ^2/NDF: 8788938.4/10


asym_usr_atr2_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
0
−2
−4
−6
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 18.5/23
Left Out: -0.000+/-0.000 χ²/NDF:34.3/24
Right Out: -0.000+/-0.000 χ²/NDF: 35.0/28
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: 54.1/52
In: -0.000+/-0.000 χ²/NDF:32.1/46
Out: -0.000+/-0.000 χ²/NDF:69.3/53
All: -0.000+/-0.000 χ²/NDF: 101.5/100



Right In: 0.000+/-0.000 χ^2/NDF: 5196781.6/23

Left Out: 0.000+/-0.000 χ^2/NDF:1611629.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6872499.4/28

Left In: 0.000+/-0.000 χ^2/NDF:2939628.2/22

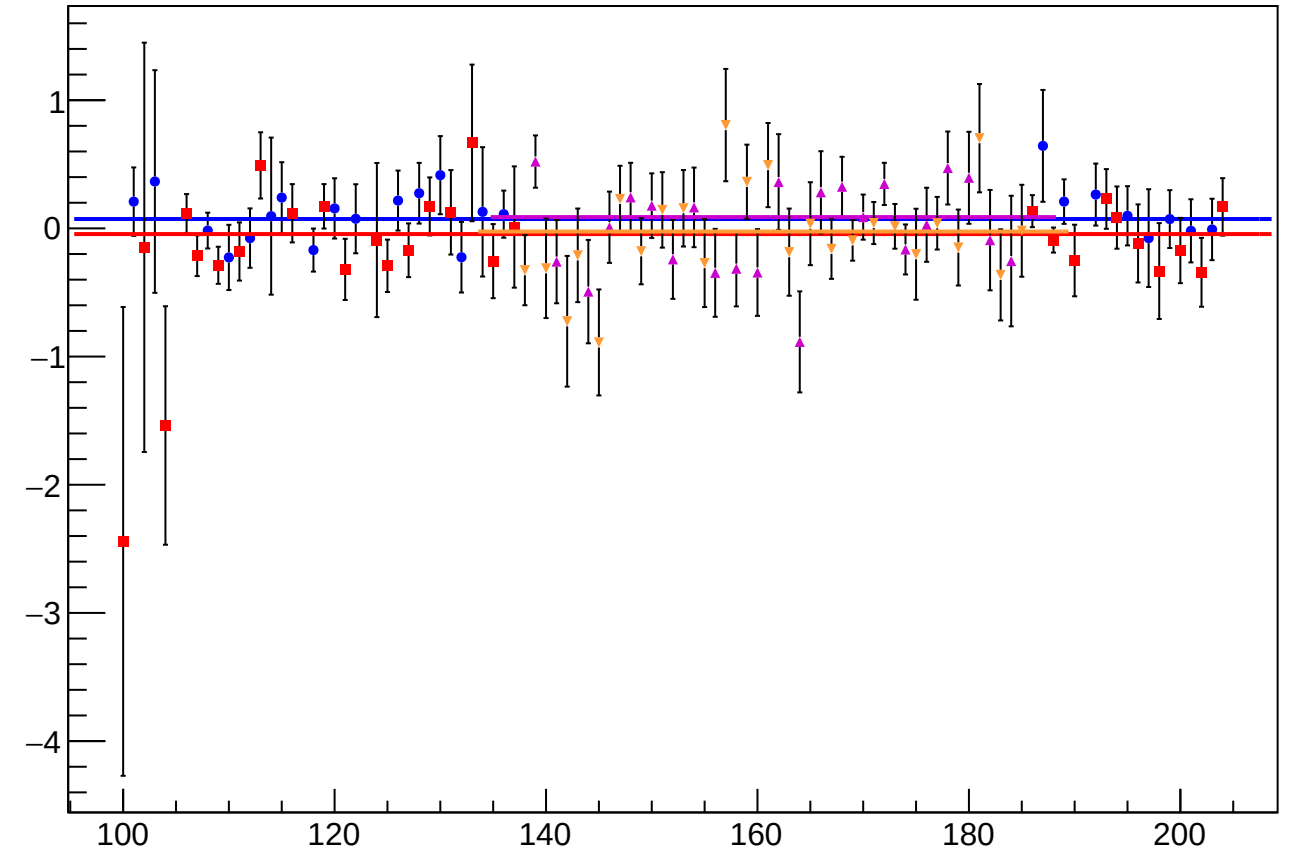
Left: 0.000+/-0.000 χ^2/NDF: 4840259.0/47

Right: 0.000+/-0.000 χ^2/NDF: 12069654.8/52

In: 0.000+/-0.000 χ^2/NDF:9153805.3/46

Out: 0.000+/-0.000 χ^2/NDF:8925765.1/53

All: 0.000+/-0.000 χ^2/NDF: 18352698.5/100



Right In: 0.073+/-0.049 χ^2/NDF: 12.1/23

Left Out: -0.025+/-0.055 χ^2/NDF:24.1/24

Right Out: -0.044+/-0.040 χ^2/NDF: 29.9/28

Left In: 0.088+/-0.057 χ^2/NDF:30.0/22

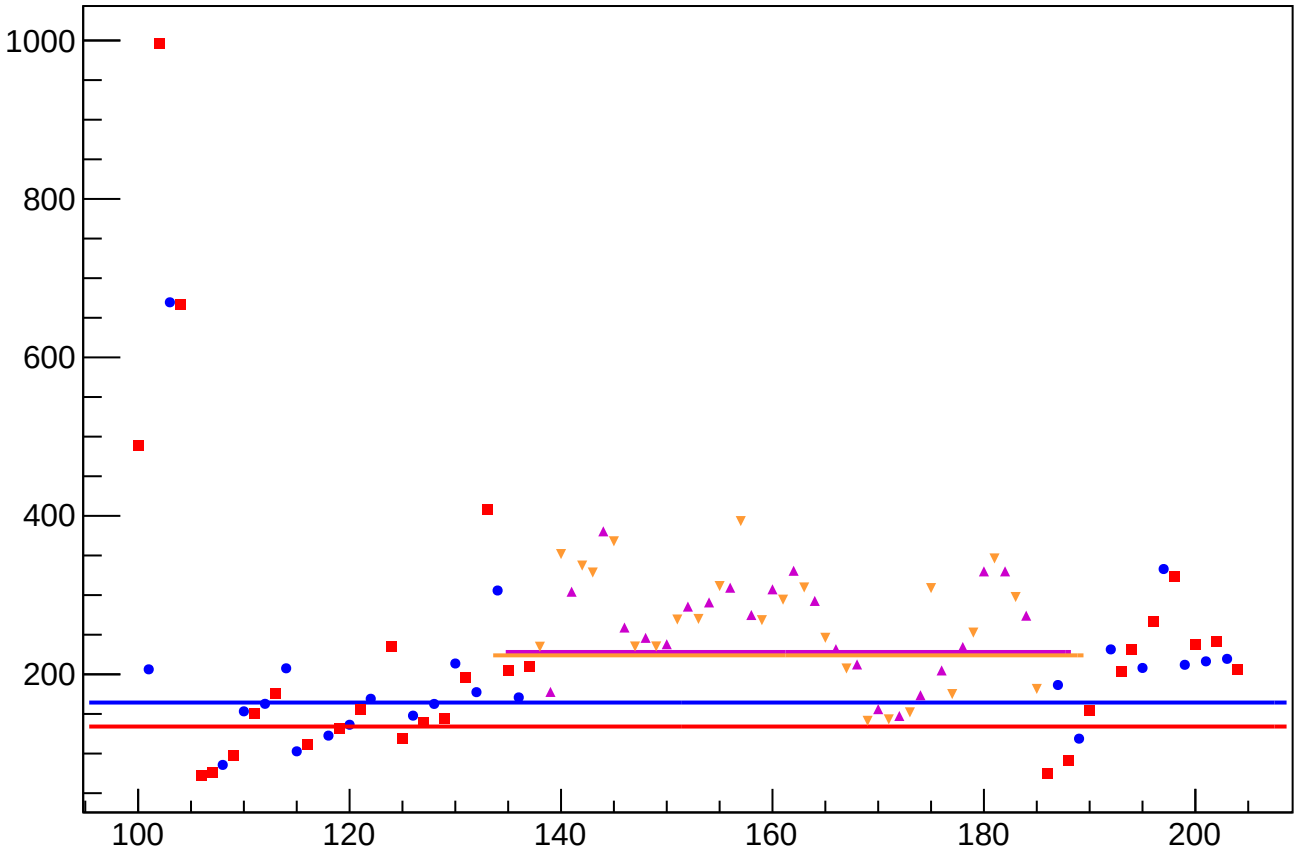
Left: 0.030+/-0.039 χ^2/NDF: 56.1/47

Right: 0.003+/-0.031 χ^2/NDF: 45.4/52

In: 0.080+/-0.037 χ^2/NDF:42.2/46

Out: -0.038+/-0.032 χ^2/NDF:54.0/53

All: 0.013+/-0.024 χ^2/NDF: 101.8/100



Right In: 164.384+/-0.035 χ^2/NDF: 2897689.3/23

Left Out: 223.945+/-0.039 χ^2/NDF:3438444.8/24

Right Out: 134.099+/-0.028 χ^2/NDF: 5969427.5/28

Left In: 228.199+/-0.040 χ^2/NDF:2488915.3/22

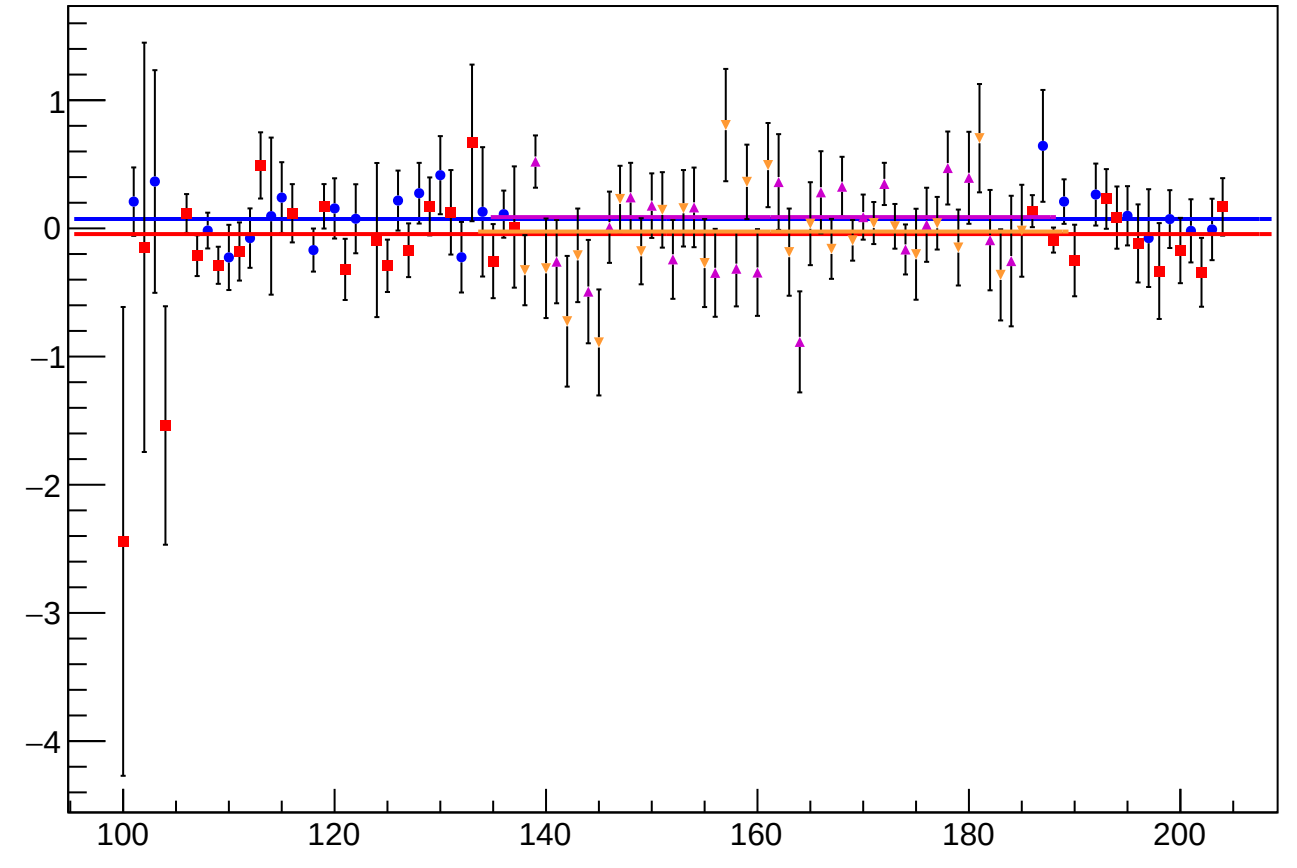
Left: 225.993+/-0.028 χ^2/NDF: 5933206.6/47

Right: 146.208+/-0.022 χ^2/NDF: 9320910.2/52

In: 191.853+/-0.026 χ^2/NDF:6831687.1/46

Out: 165.685+/-0.023 χ^2/NDF:12919589.7/53

All: 176.972+/-0.017 χ^2/NDF: 20314927.5/10



Right In: 0.073+/-0.049 χ^2/NDF: 12.1/23

Left Out: -0.025+/-0.055 χ^2/NDF:24.1/24

Right Out: -0.044+/-0.040 χ^2/NDF: 29.9/28

Left In: 0.088+/-0.057 χ^2/NDF:30.0/22

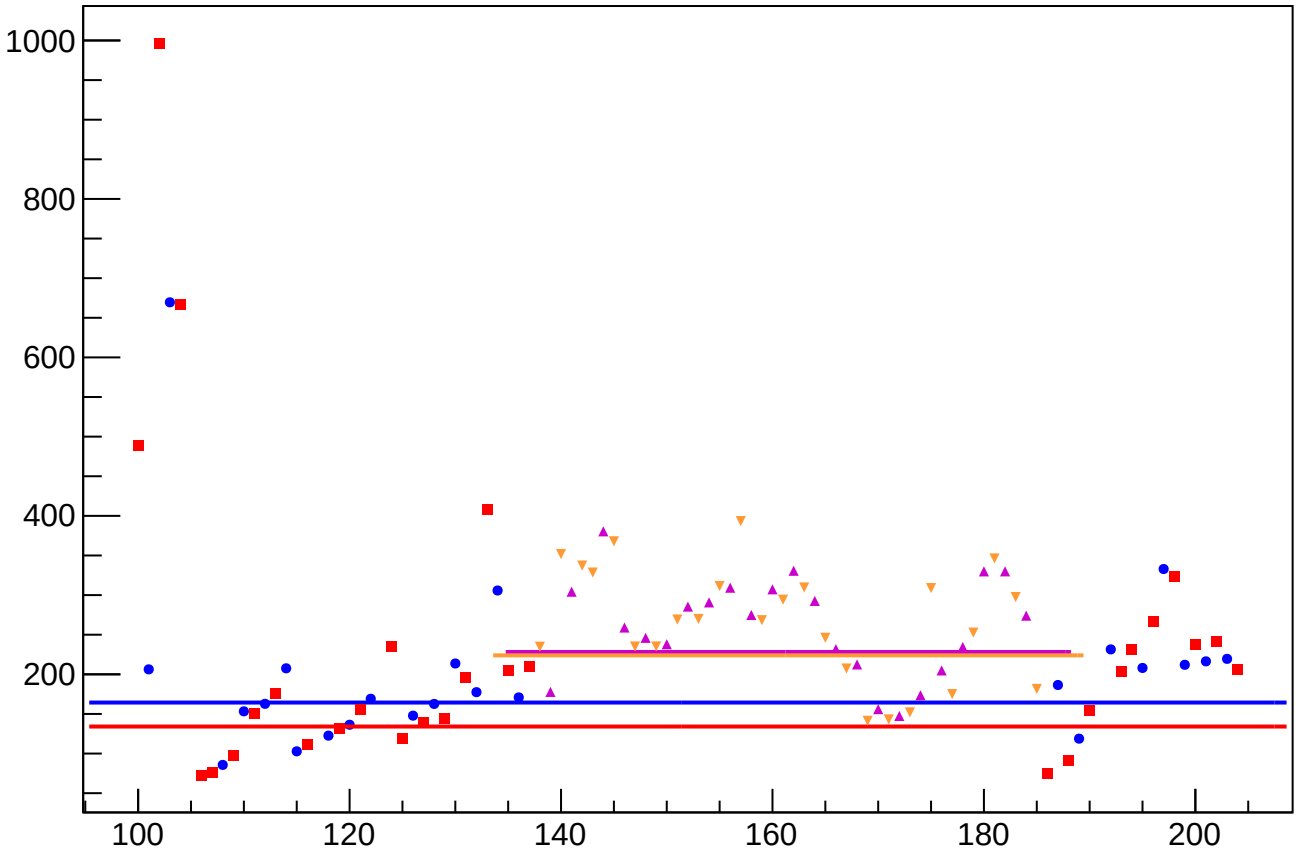
Left: 0.030+/-0.039 χ^2/NDF: 56.1/47

Right: 0.003+/-0.031 χ^2/NDF: 45.4/52

In: 0.080+/-0.037 χ^2/NDF:42.2/46

Out: -0.038+/-0.032 χ^2/NDF:54.0/53

All: 0.013+/-0.024 χ^2/NDF: 101.8/100



Right In: 164.384+/-0.035 χ^2/NDF: 2897689.3/23

Left Out: 223.945+/-0.039 χ^2/NDF:3438444.8/24

Right Out: 134.099+/-0.028 χ^2/NDF: 5969427.5/28

Left In: 228.199+/-0.040 χ^2/NDF:2488915.3/22

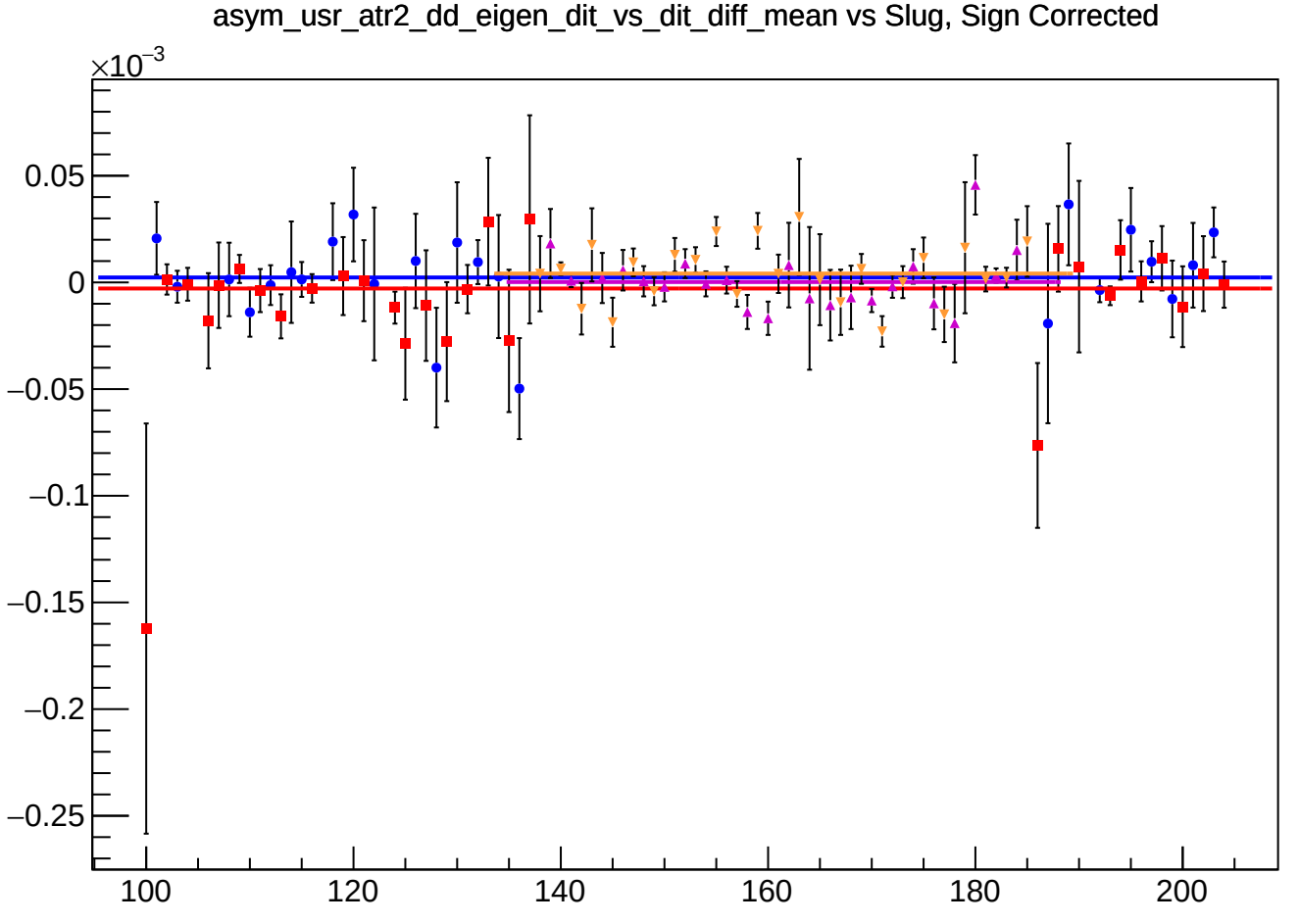
Left: 225.993+/-0.028 χ^2/NDF: 5933206.6/47

Right: 146.208+/-0.022 χ^2/NDF: 9320910.2/52

In: 191.853+/-0.026 χ^2/NDF:6831687.1/46

Out: 165.685+/-0.023 χ^2/NDF:12919589.7/53

All: 176.972+/-0.017 χ^2/NDF: 20314927.5/10



Right In: 0.000+/-0.000 χ^2/NDF: 22.8/23

Left Out: 0.000+/-0.000 χ^2/NDF:48.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 20.9/28

Left In: 0.000+/-0.000 χ^2/NDF:30.1/22

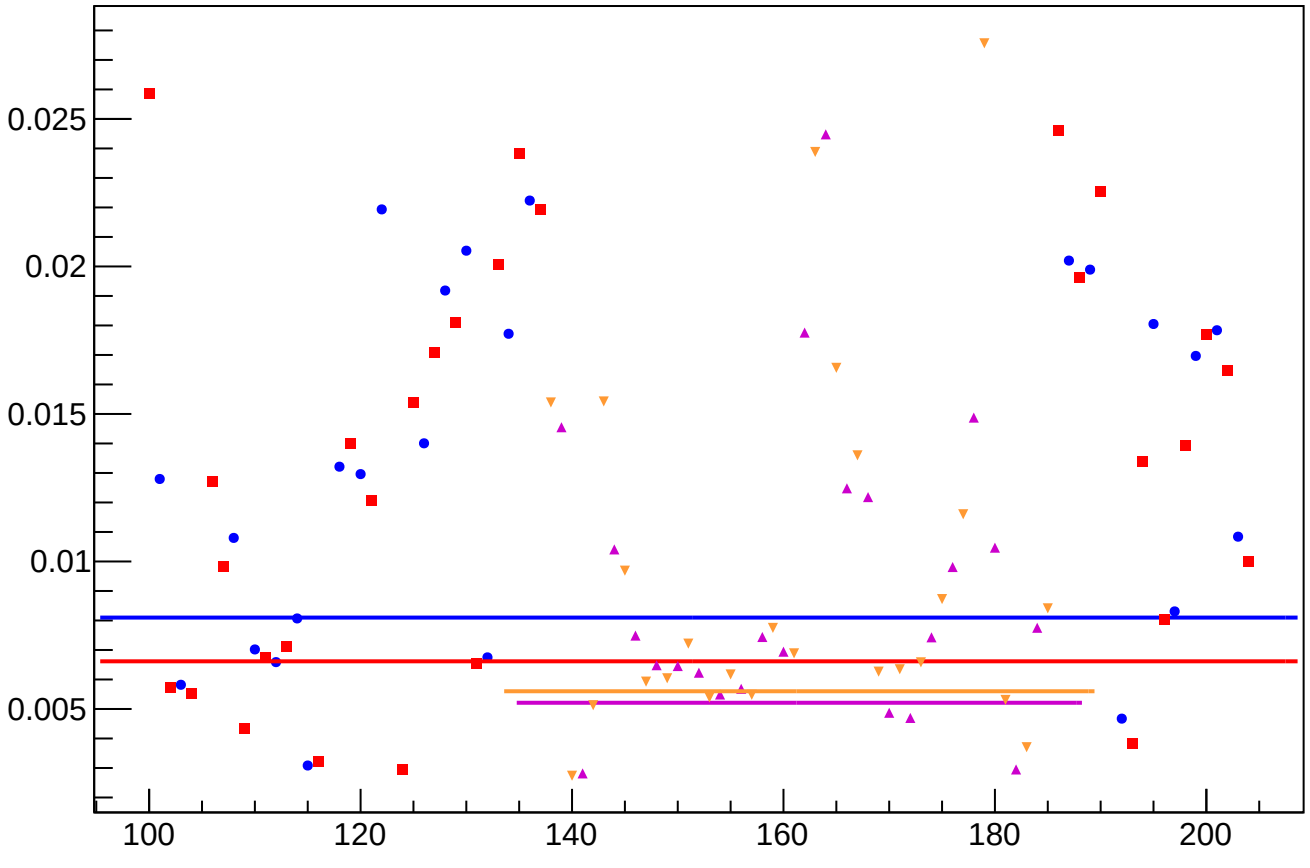
Left: 0.000+/-0.000 χ^2/NDF: 82.6/47

Right: -0.000+/-0.000 χ^2/NDF: 46.1/52

In: 0.000+/-0.000 χ^2/NDF:53.3/46

Out: 0.000+/-0.000 χ^2/NDF:77.4/53

All: 0.000+/-0.000 χ^2/NDF: 131.1/100



Right In: 0.008+/-0.000 χ^2/NDF: 6385835.4/23

Left Out: 0.006+/-0.000 χ^2/NDF:7769287.5/24

Right Out: 0.007+/-0.000 χ^2/NDF: 8997435.9/28

Left In: 0.005+/-0.000 χ^2/NDF:7460452.2/22

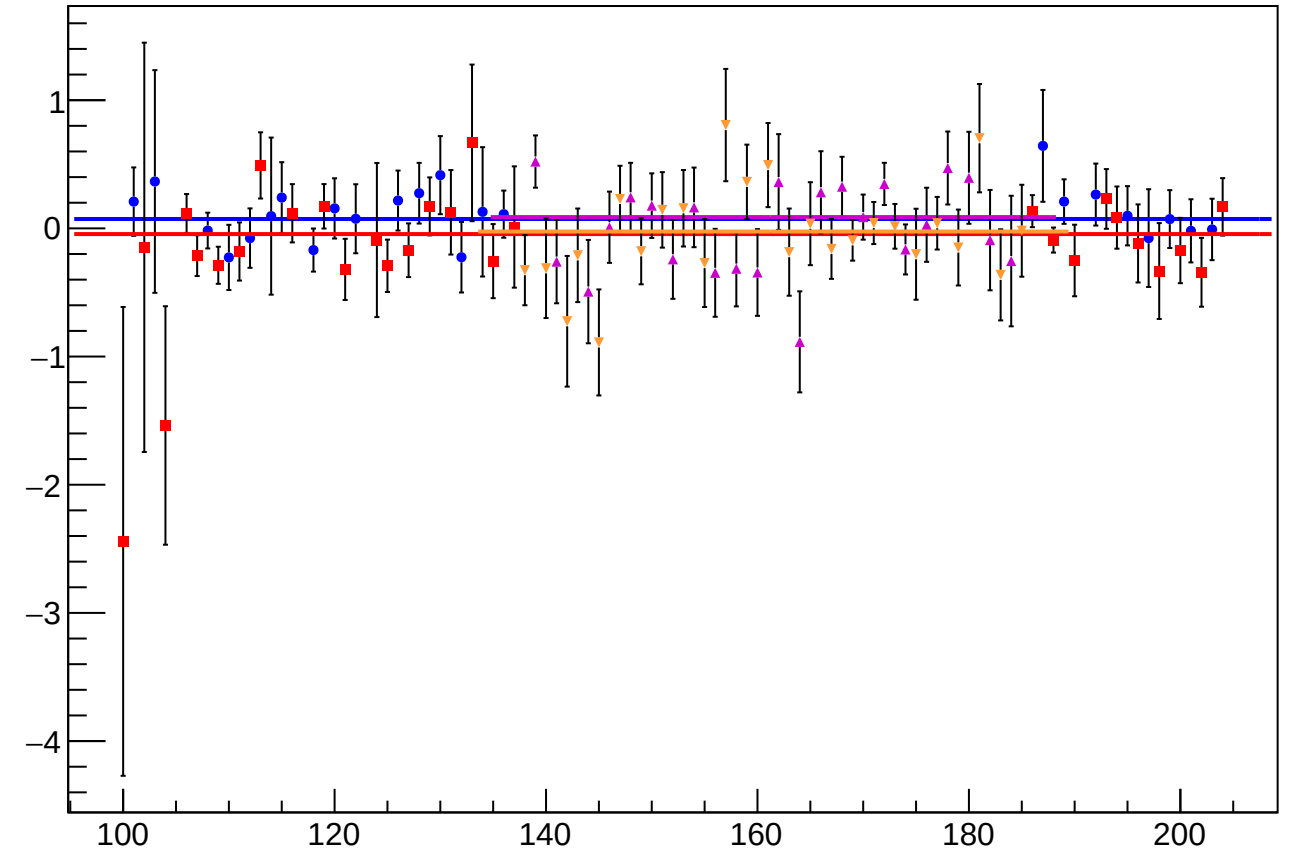
Left: 0.005+/-0.000 χ^2/NDF: 15302092.7/47

Right: 0.007+/-0.000 χ^2/NDF: 15773646.3/52

In: 0.006+/-0.000 χ^2/NDF:15687450.7/46

Out: 0.006+/-0.000 χ^2/NDF:17087964.4/53

All: 0.006+/-0.000 χ^2/NDF: 32779393.7/100



Right In: 0.073+/-0.049 χ^2/NDF: 12.1/23

Left Out: -0.025+/-0.055 χ^2/NDF:24.1/24

Right Out: -0.044+/-0.040 χ^2/NDF: 29.9/28

Left In: 0.088+/-0.057 χ^2/NDF:30.0/22

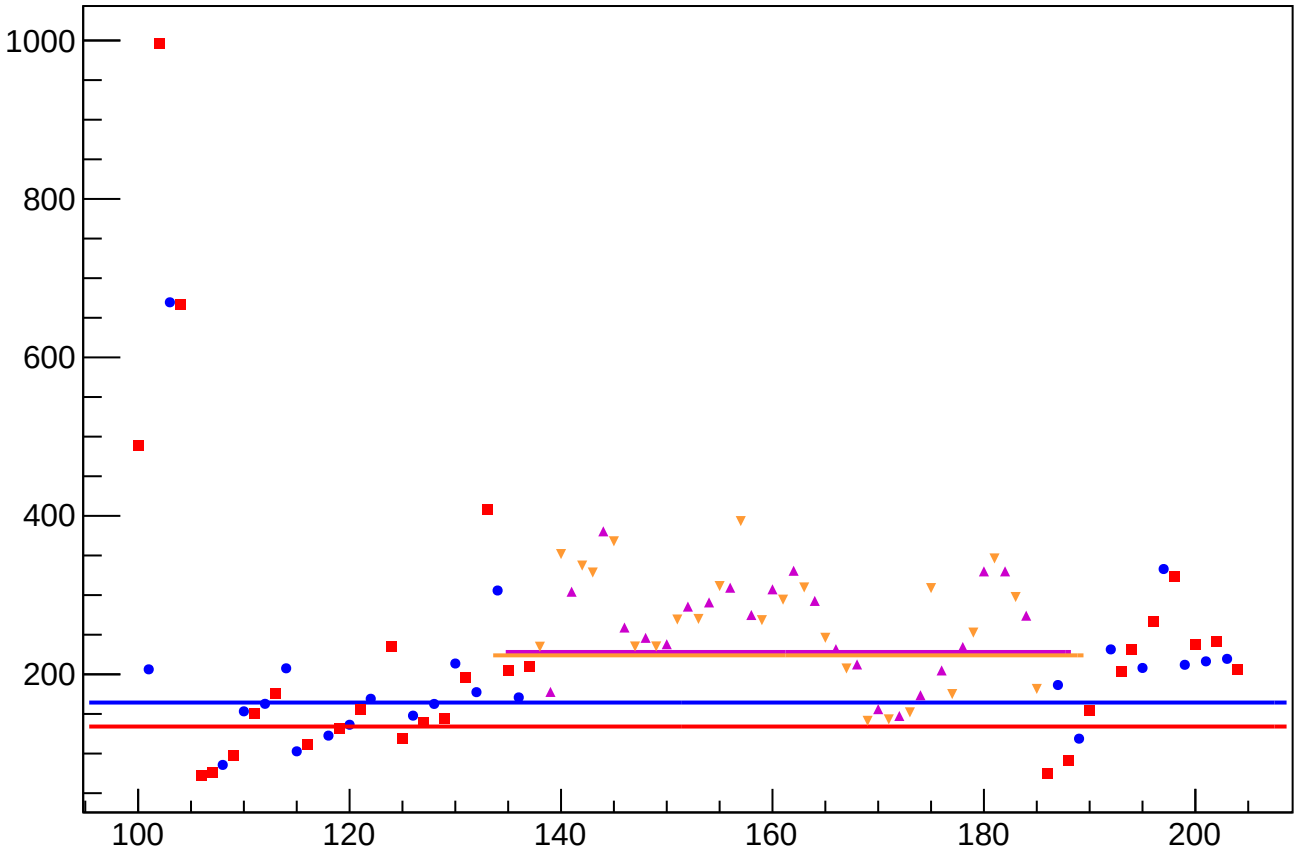
Left: 0.030+/-0.039 χ^2/NDF: 56.1/47

Right: 0.003+/-0.031 χ^2/NDF: 45.4/52

In: 0.080+/-0.037 χ^2/NDF:42.2/46

Out: -0.038+/-0.032 χ^2/NDF:54.0/53

All: 0.013+/-0.024 χ^2/NDF: 101.8/100



Right In: 164.381+/-0.035 χ^2/NDF: 2897889.2/23

Left Out: 223.946+/-0.039 χ^2/NDF:3438541.7/24

Right Out: 134.104+/-0.028 χ^2/NDF: 5968936.0/28

Left In: 228.201+/-0.040 χ^2/NDF:2488951.6/22

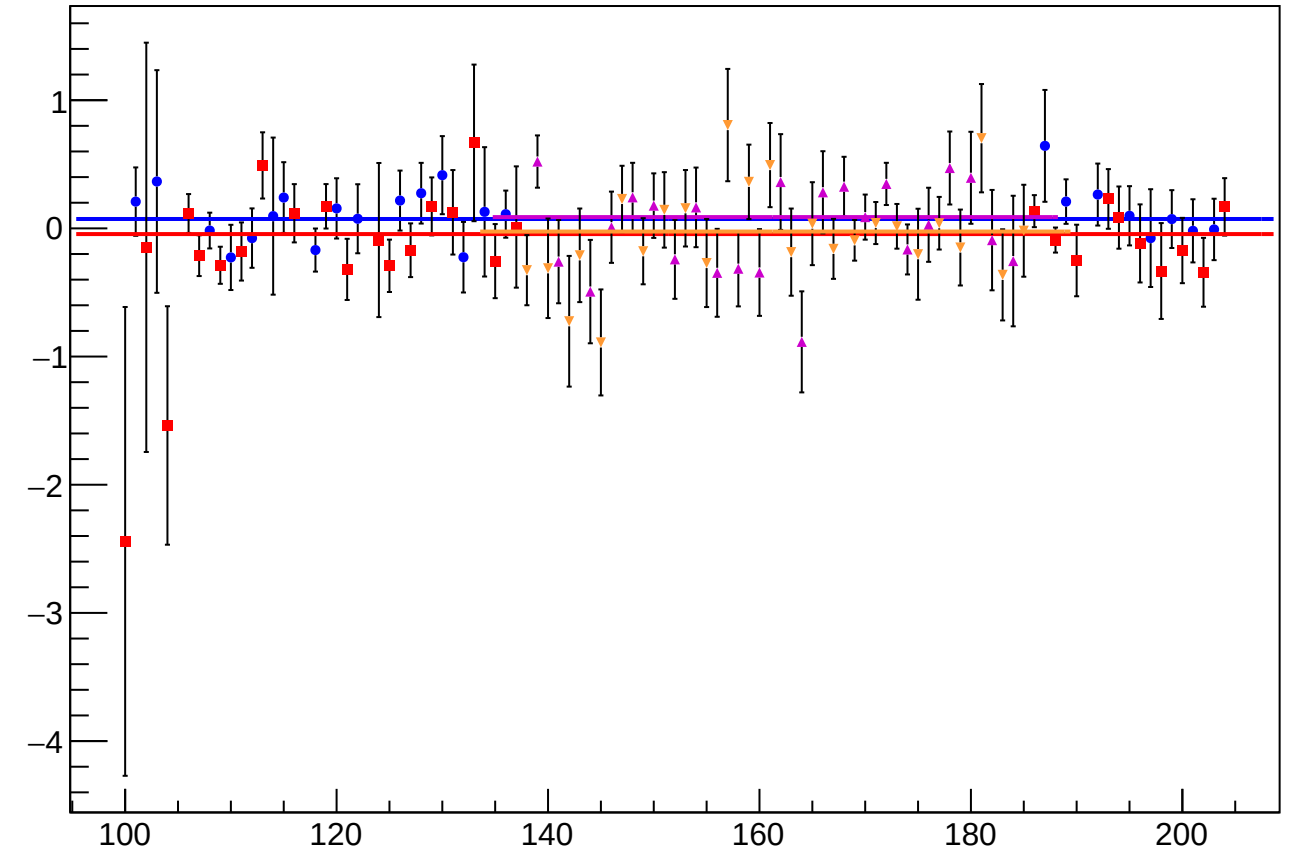
Left: 225.995+/-0.028 χ^2/NDF: 5933340.6/47

Right: 146.210+/-0.022 χ^2/NDF: 9320370.4/52

In: 191.851+/-0.026 χ^2/NDF:6832156.1/46

Out: 165.689+/-0.023 χ^2/NDF:12918820.8/53

All: 176.974+/-0.017 χ^2/NDF: 20314352.1/10



Right In: 0.073+/-0.049 χ^2/NDF: 12.1/23

Left Out: -0.025+/-0.055 χ^2/NDF:24.1/24

Right Out: -0.044+/-0.040 χ^2/NDF: 29.9/28

Left In: 0.088+/-0.057 χ^2/NDF:30.0/22

Left: 0.030+/-0.039 χ^2/NDF: 56.1/47

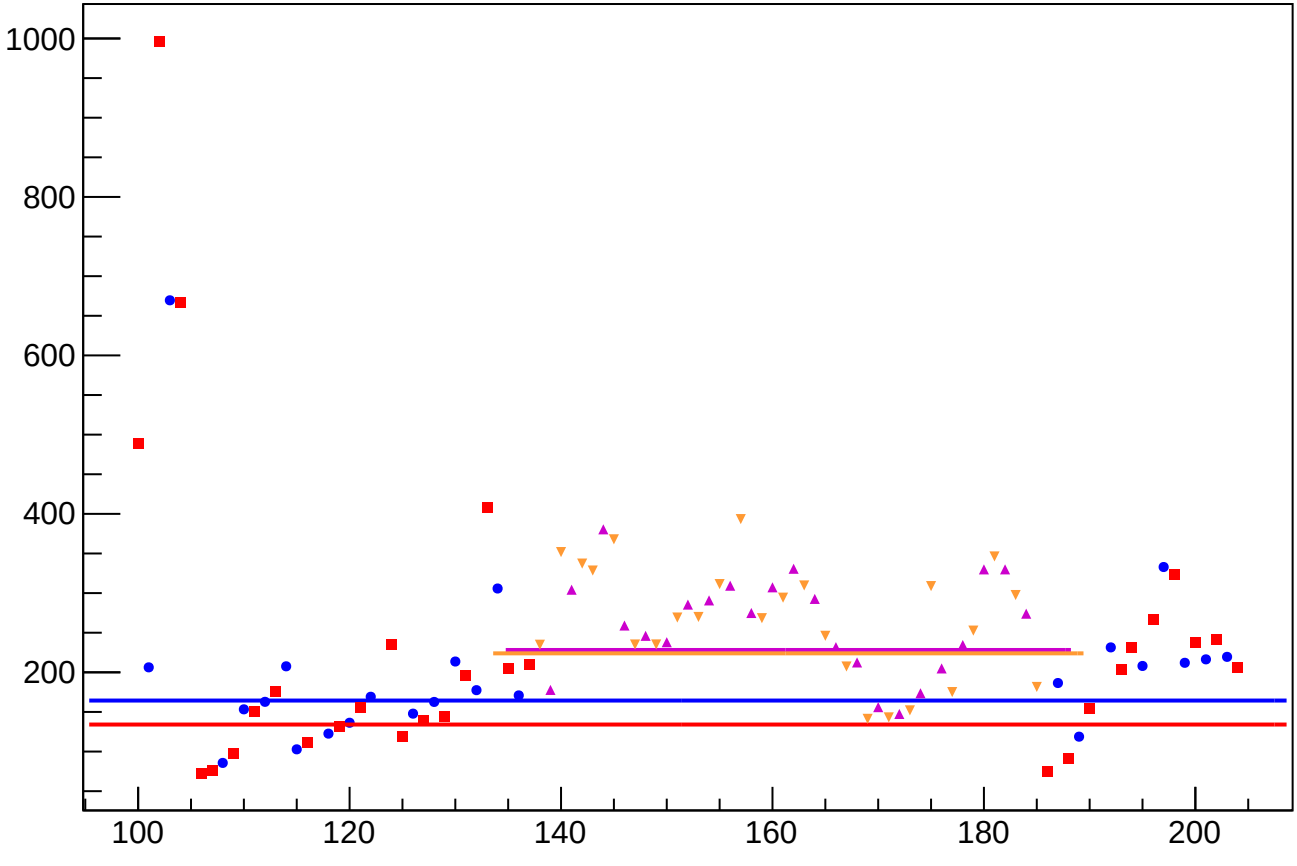
Right: 0.003+/-0.031 χ^2/NDF: 45.4/52

In: 0.080+/-0.037 χ^2/NDF:42.2/46

Out: -0.038+/-0.032 χ^2/NDF:54.0/53

All: 0.013+/-0.024 χ^2/NDF: 101.8/100

asym_usr_atr2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 164.381+/-0.035 χ^2/NDF: 2897889.2/23

Left Out: 223.946+/-0.039 χ^2/NDF:3438541.7/24

Right Out: 134.104+/-0.028 χ^2/NDF: 5968936.0/28

Left In: 228.201+/-0.040 χ^2/NDF:2488951.6/22

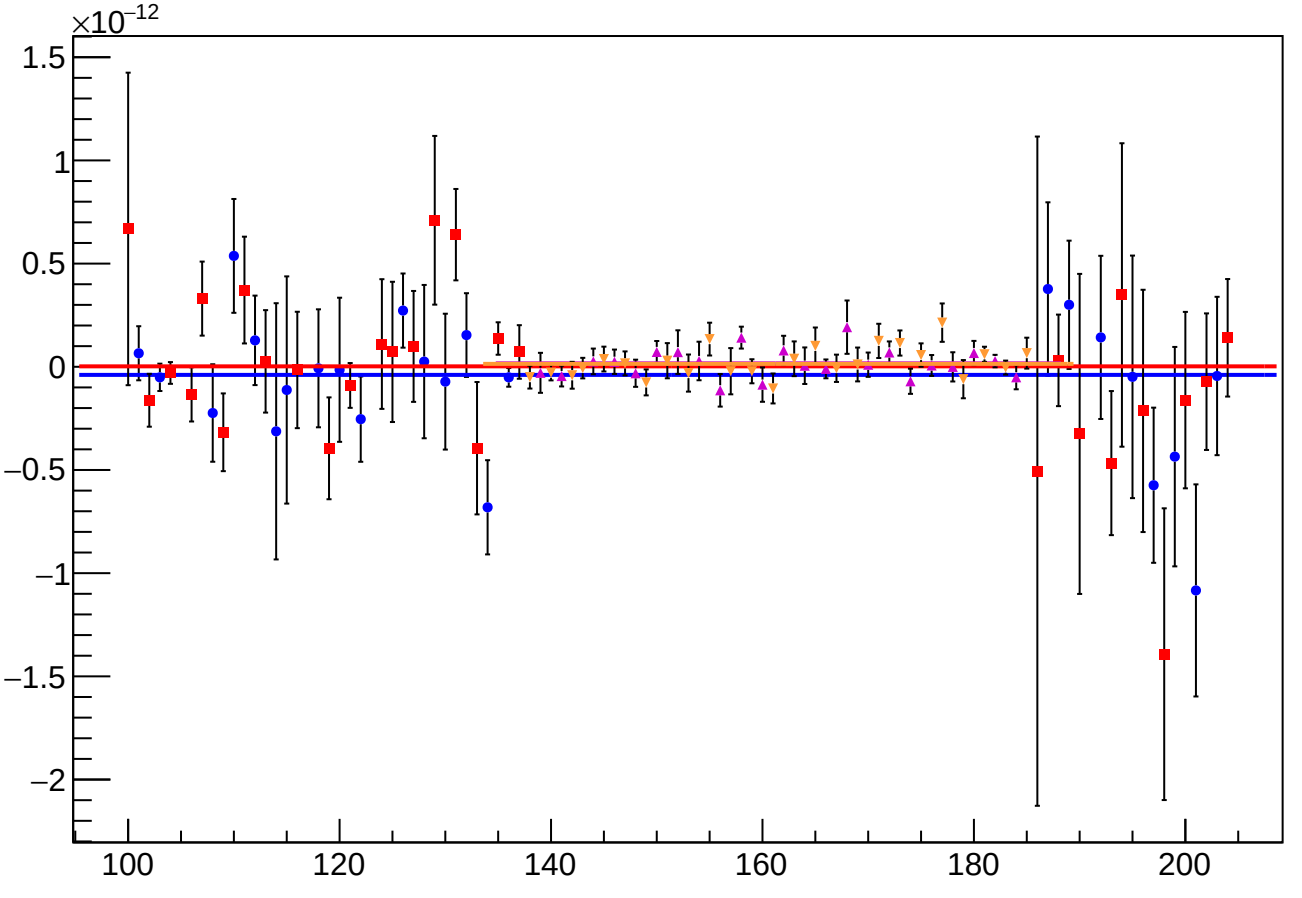
Left: 225.995+/-0.028 χ^2/NDF: 5933340.6/47

Right: 146.210+/-0.022 χ^2/NDF: 9320370.4/52

In: 191.851+/-0.026 χ^2/NDF:6832156.1/46

Out: 165.689+/-0.023 χ^2/NDF:12918820.8/53

All: 176.974+/-0.017 χ^2/NDF: 20314352.1/10



Right In: -0.000+/-0.000 χ^2/NDF: 28.6/23

Left Out: 0.000+/-0.000 χ^2/NDF:25.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 38.6/28

Left In: 0.000+/-0.000 χ^2/NDF:21.7/22

Left: 0.000+/-0.000 χ^2/NDF: 47.1/47

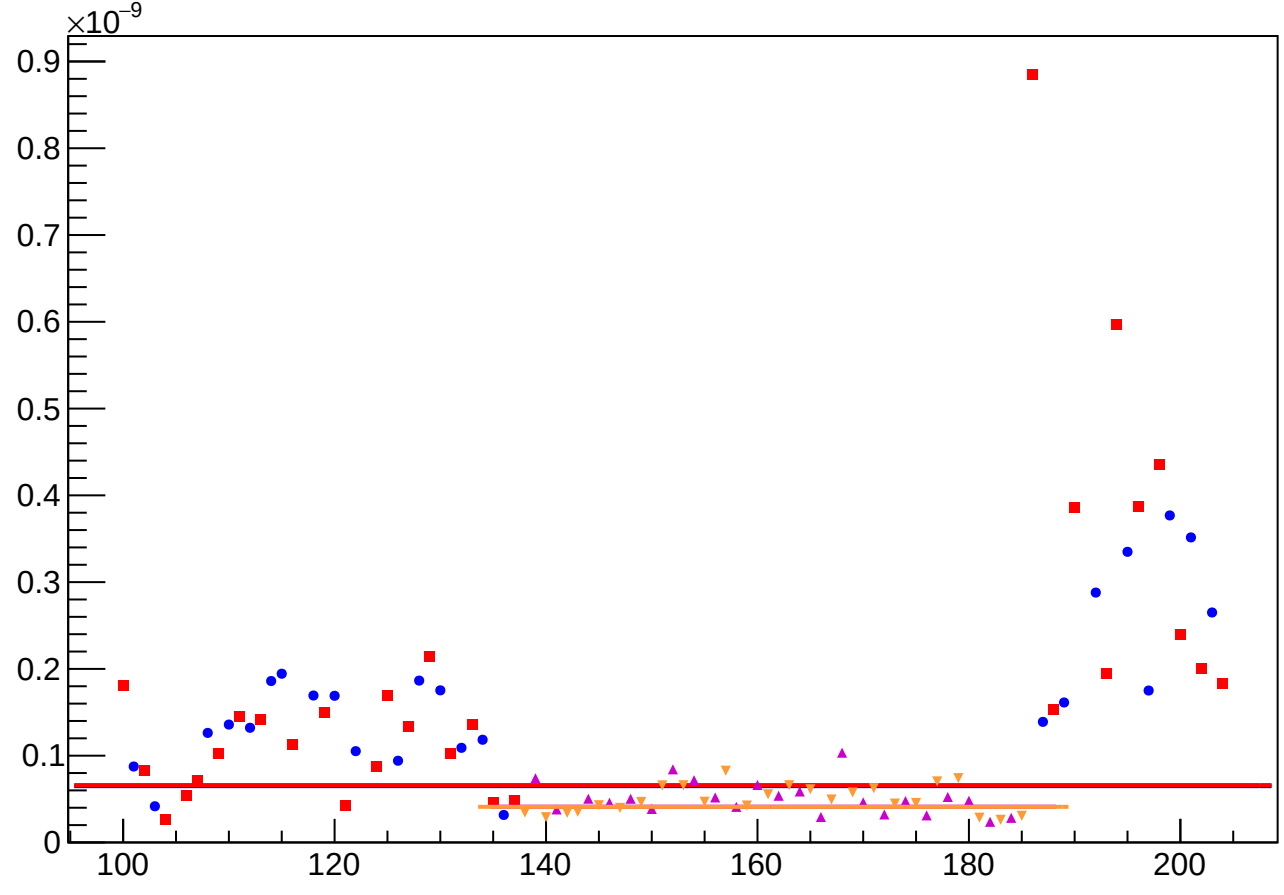
Right: -0.000+/-0.000 χ^2/NDF: 68.0/52

In: 0.000+/-0.000 χ^2/NDF:53.1/46

Out: 0.000+/-0.000 χ^2/NDF:64.1/53

All: 0.000+/-0.000 χ^2/NDF: 117.2/100

asym_usr_atr2_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 6585296.8/23

Left Out: 0.000+/-0.000 χ^2/NDF:2644306.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7554070.8/28

Left In: 0.000+/-0.000 χ^2/NDF:2852113.9/22

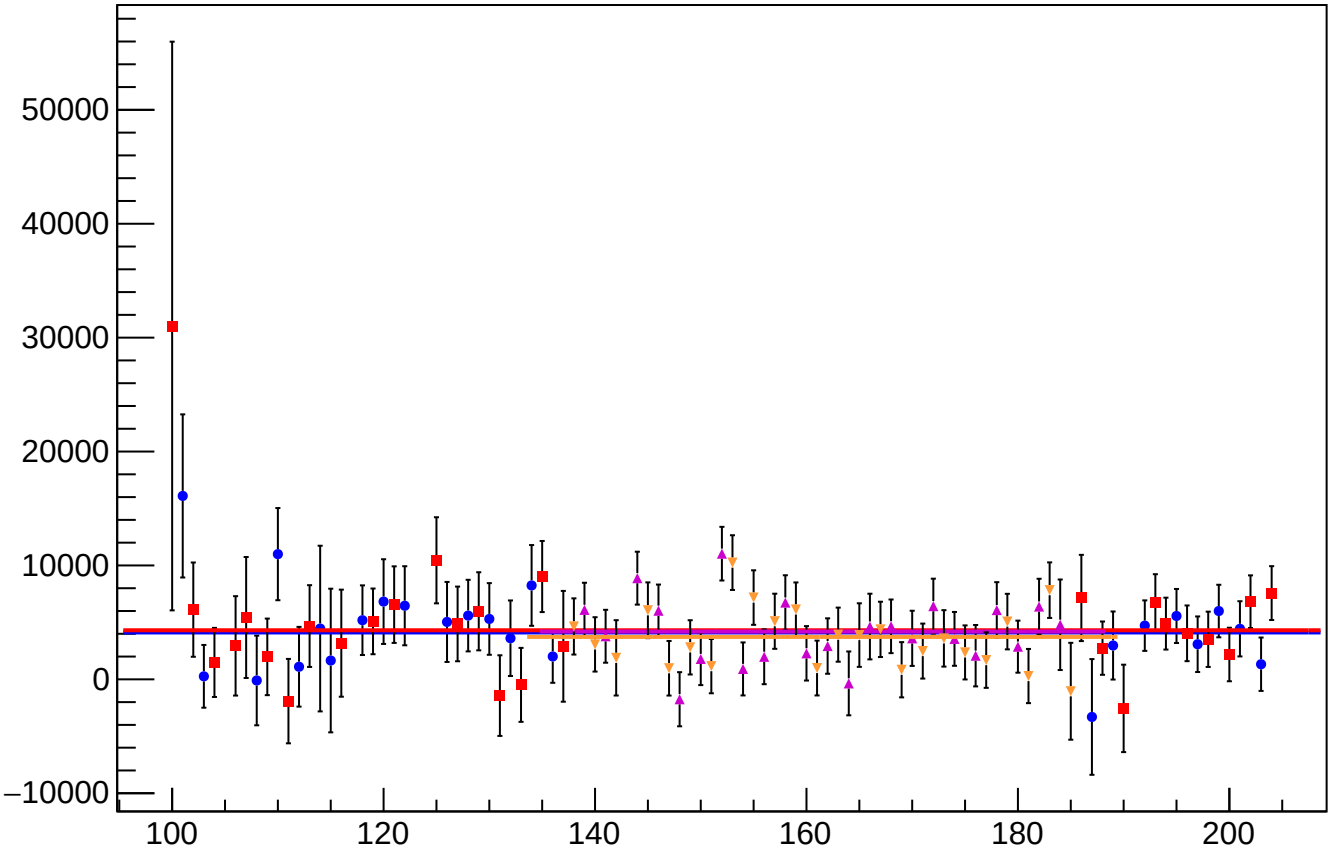
Left: 0.000+/-0.000 χ^2/NDF: 5496578.5/47

Right: 0.000+/-0.000 χ^2/NDF: 14140969.8/52

In: 0.000+/-0.000 χ^2/NDF:10420197.9/46

Out: 0.000+/-0.000 χ^2/NDF:11333658.2/53

All: 0.000+/-0.000 χ^2/NDF: 21753865.3/100



Right In: 4116.126+/-626.732 χ^2/NDF: 18.4/23

Left Out: 3723.486+/-507.155 χ^2/NDF:25.4/23

Right Out: 4308.658+/-589.572 χ^2/NDF: 25.6/27

Left In: 4195.942+/-510.578 χ^2/NDF:32.1/22

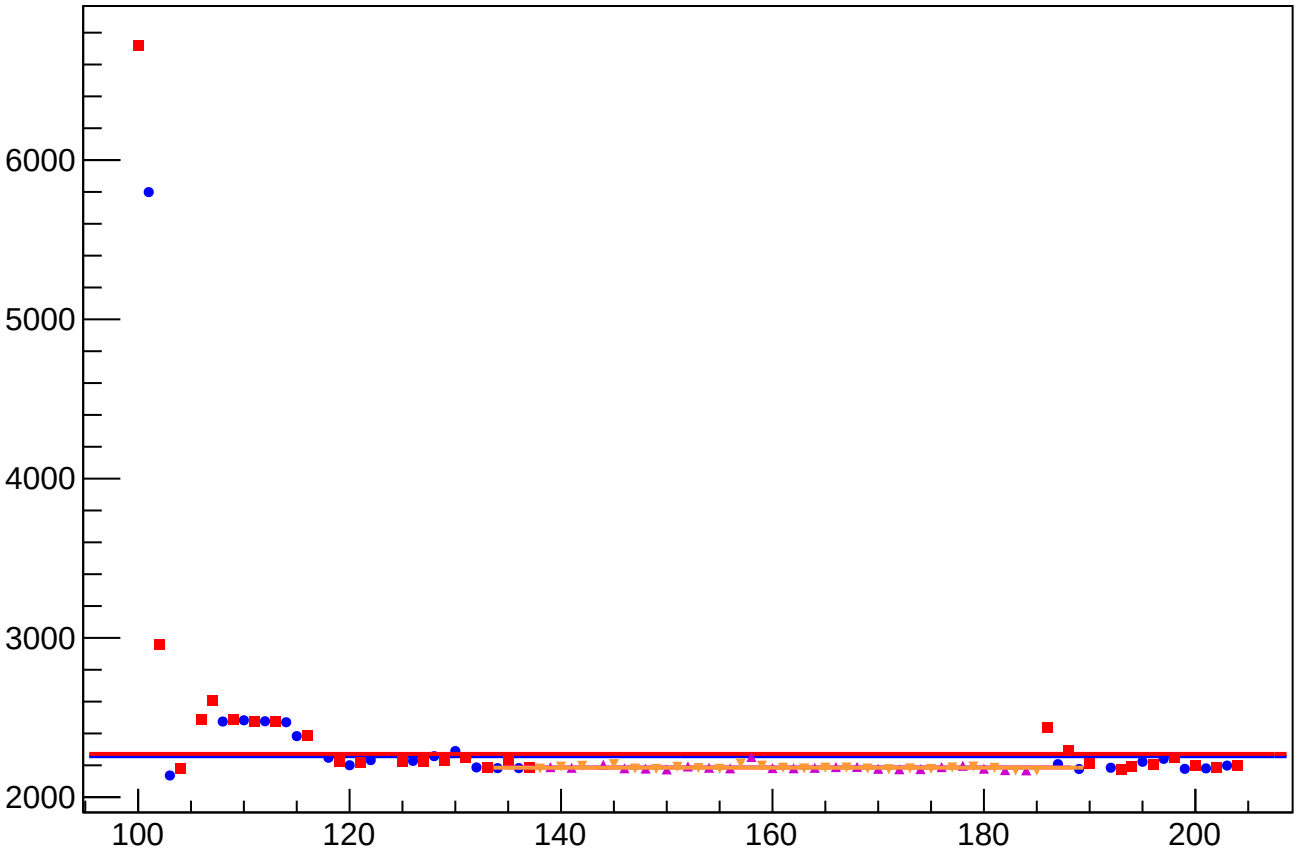
Left: 3958.125+/-359.817 χ^2/NDF: 58.0/46

Right: 4218.269+/-429.427 χ^2/NDF: 44.1/51

In: 4164.101+/-395.847 χ^2/NDF:50.6/46

Out: 3972.344+/-384.478 χ^2/NDF:51.6/51

All: 4065.430+/-275.799 χ^2/NDF: 102.3/98



Right In: 2257.206+/-0.443 χ^2/NDF: 530552.4/23

Left Out: 2185.133+/-0.359 χ^2/NDF:815.1/23

Right Out: 2271.598+/-0.417 χ^2/NDF: 178311.6/27

Left In: 2186.745+/-0.361 χ^2/NDF:2063.9/22

Left: 2185.934+/-0.254 χ^2/NDF: 2889.0/46

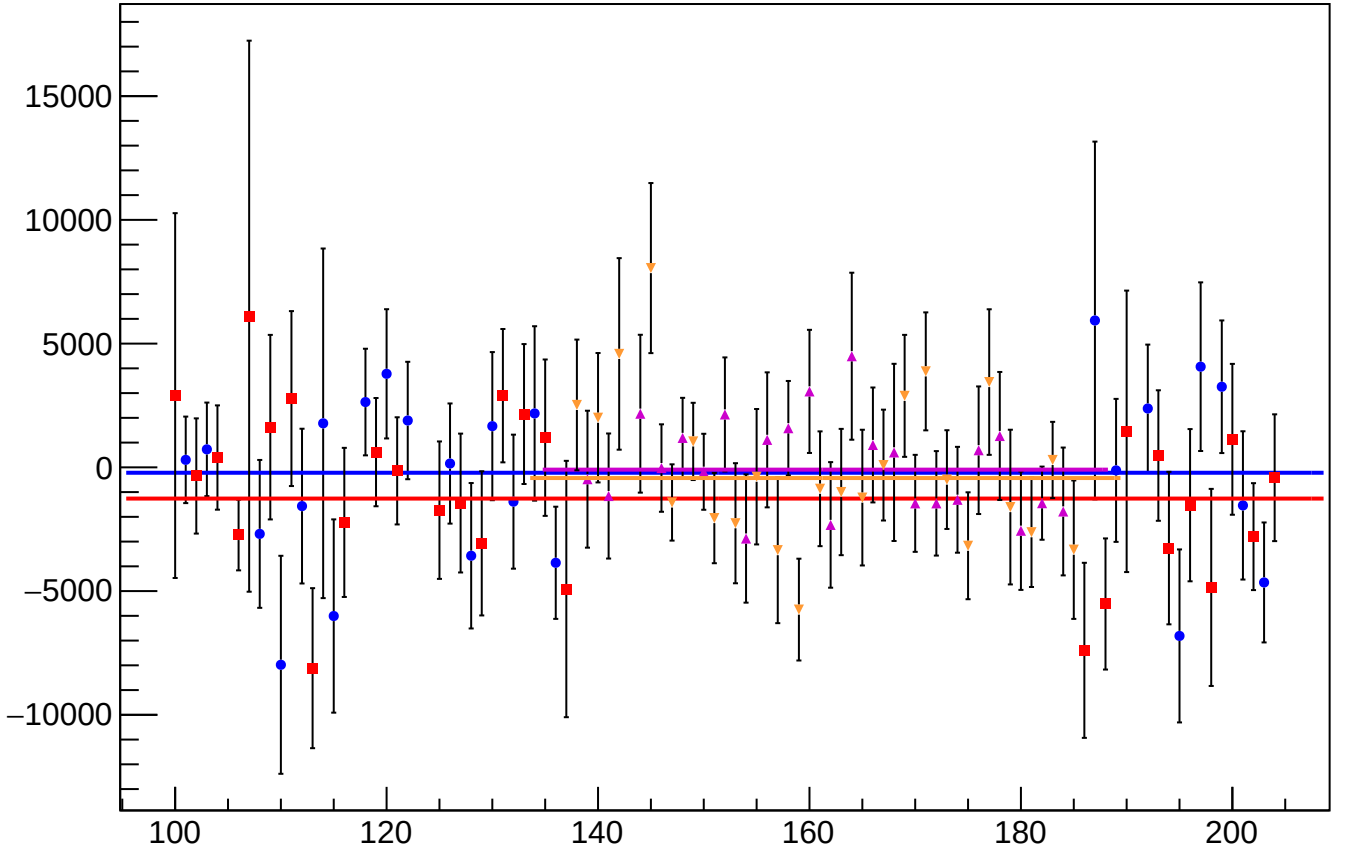
Right: 2264.841+/-0.304 χ^2/NDF: 709423.5/51

In: 2214.854+/-0.280 χ^2/NDF:547811.1/46

Out: 2221.904+/-0.272 χ^2/NDF:203849.6/51

All: 2218.482+/-0.195 χ^2/NDF: 751987.1/98

asym_us_avg_at1lr_avg_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -218.609+/-560.311 χ^2/NDF: 28.5/23

Left Out: -432.286+/-462.383 χ^2/NDF:31.3/23

Right Out: -1261.721+/-525.124 χ^2/NDF: 24.2/27

Left In: -92.649+/-460.669 χ^2/NDF:12.8/22

Left: -261.837+/-326.347 χ^2/NDF: 44.3/46

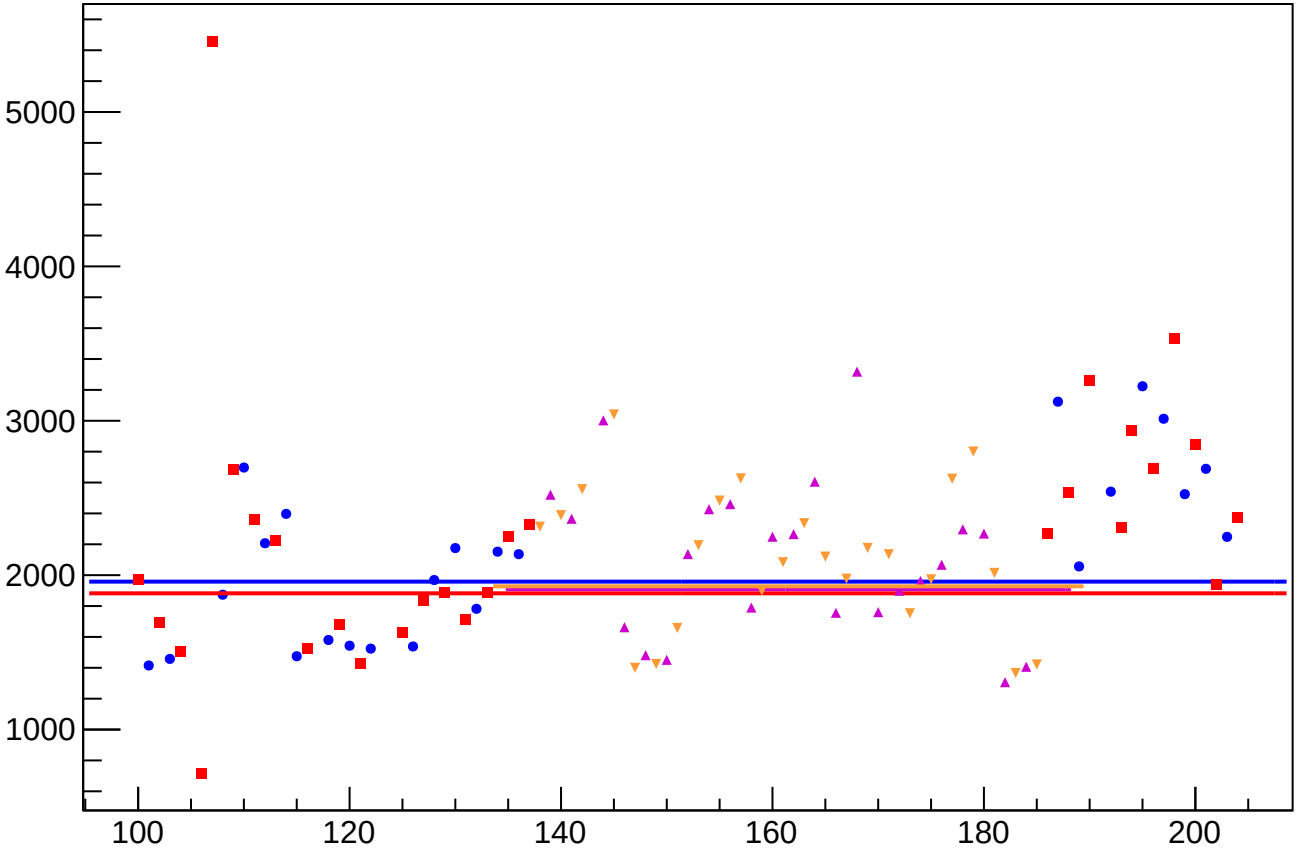
Right: -773.944+/-383.154 χ^2/NDF: 54.6/51

In: -143.452+/-355.842 χ^2/NDF:41.3/46

Out: -794.518+/-347.027 χ^2/NDF:56.9/51

All: -477.149+/-248.443 χ^2/NDF: 99.9/98

asym_us_avg_at1lr_avg_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 1958.121+/-0.396 χ^2/NDF: 1565616.6/23

Left Out: 1927.660+/-0.327 χ^2/NDF:1798383.1/23

Right Out: 1882.406+/-0.371 χ^2/NDF: 3276856.6/27

Left In: 1909.612+/-0.326 χ^2/NDF:1942264.8/22

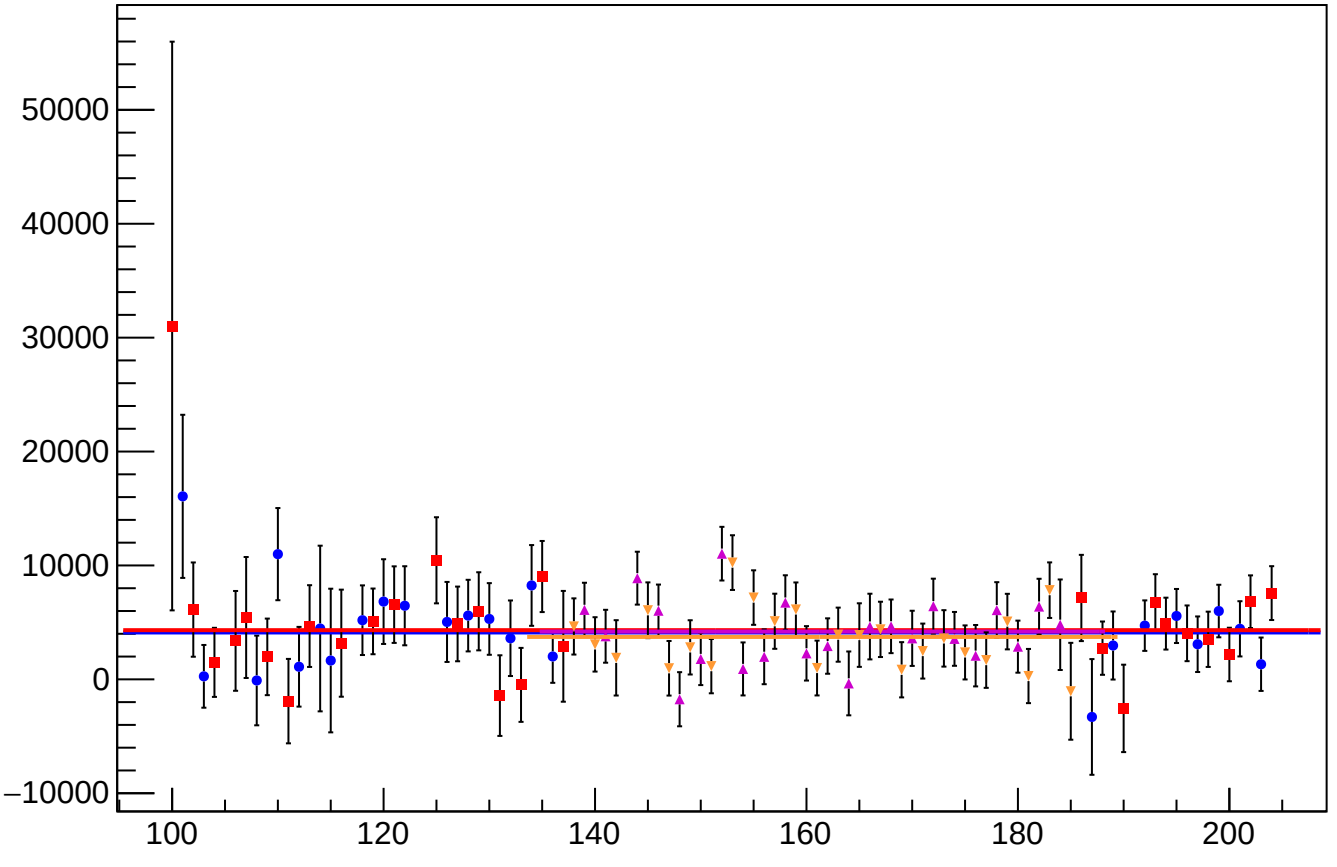
Left: 1918.603+/-0.231 χ^2/NDF: 3742177.0/46

Right: 1917.811+/-0.271 χ^2/NDF: 4861916.5/51

In: 1929.177+/-0.252 χ^2/NDF:3516825.8/46

Out: 1907.897+/-0.245 χ^2/NDF:5083606.5/51

All: 1918.270+/-0.176 χ^2/NDF: 8604098.5/98



Right In: 4115.894+/-626.732 χ^2/NDF: 18.4/23

Left Out: 3723.433+/-507.155 χ^2/NDF:25.4/23

Right Out: 4316.981+/-589.619 χ^2/NDF: 25.5/27

Left In: 4196.060+/-510.578 χ^2/NDF:32.1/22

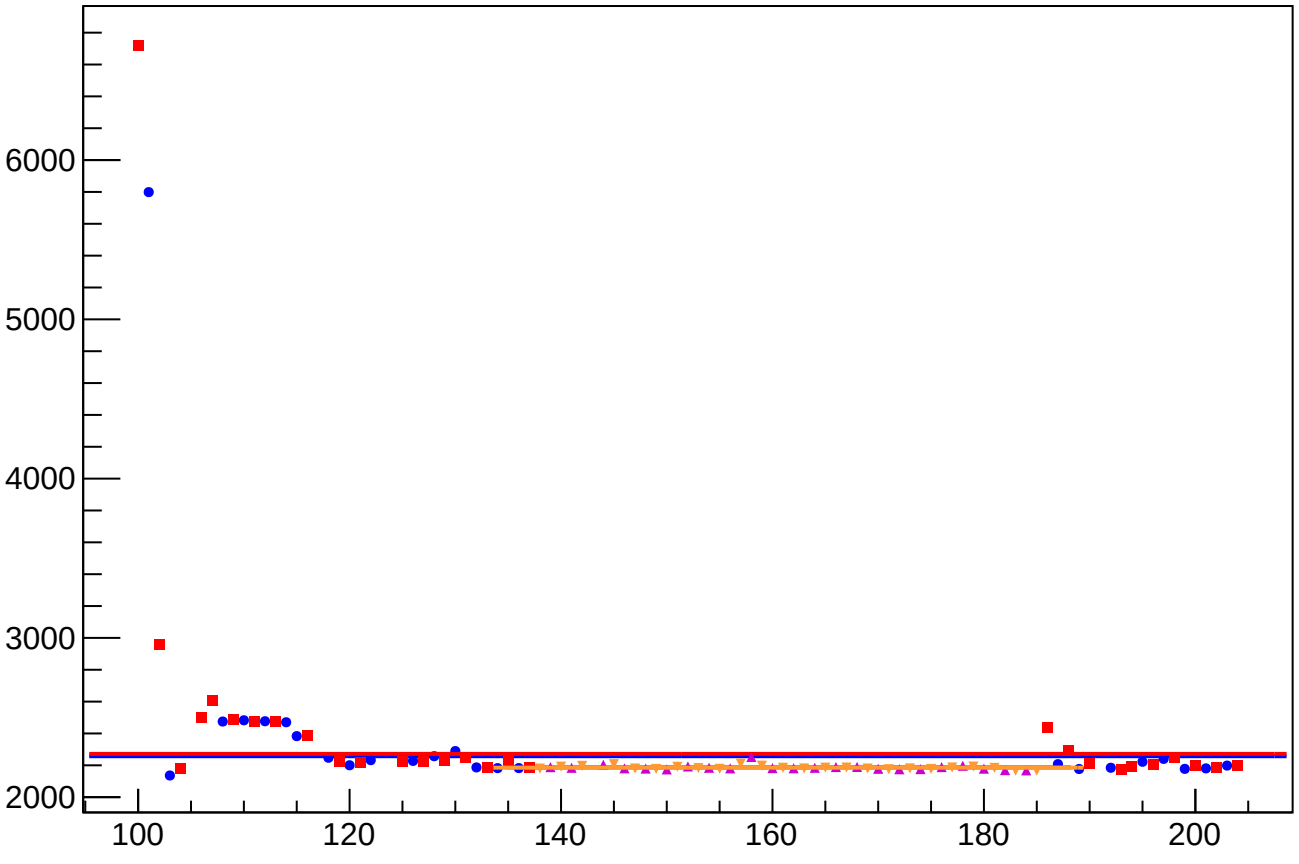
Left: 3958.157+/-359.817 χ^2/NDF: 58.0/46

Right: 4222.567+/-429.445 χ^2/NDF: 44.0/51

In: 4164.080+/-395.847 χ^2/NDF:50.5/46

Out: 3975.830+/-384.491 χ^2/NDF:51.5/51

All: 4067.216+/-275.803 χ^2/NDF: 102.2/98



Right In: 2257.206+/-0.443 χ^2/NDF: 530552.9/23

Left Out: 2185.133+/-0.359 χ^2/NDF:815.1/23

Right Out: 2271.758+/-0.417 χ^2/NDF: 178768.8/27

Left In: 2186.745+/-0.361 χ^2/NDF:2063.9/22

Left: 2185.934+/-0.254 χ^2/NDF: 2889.0/46

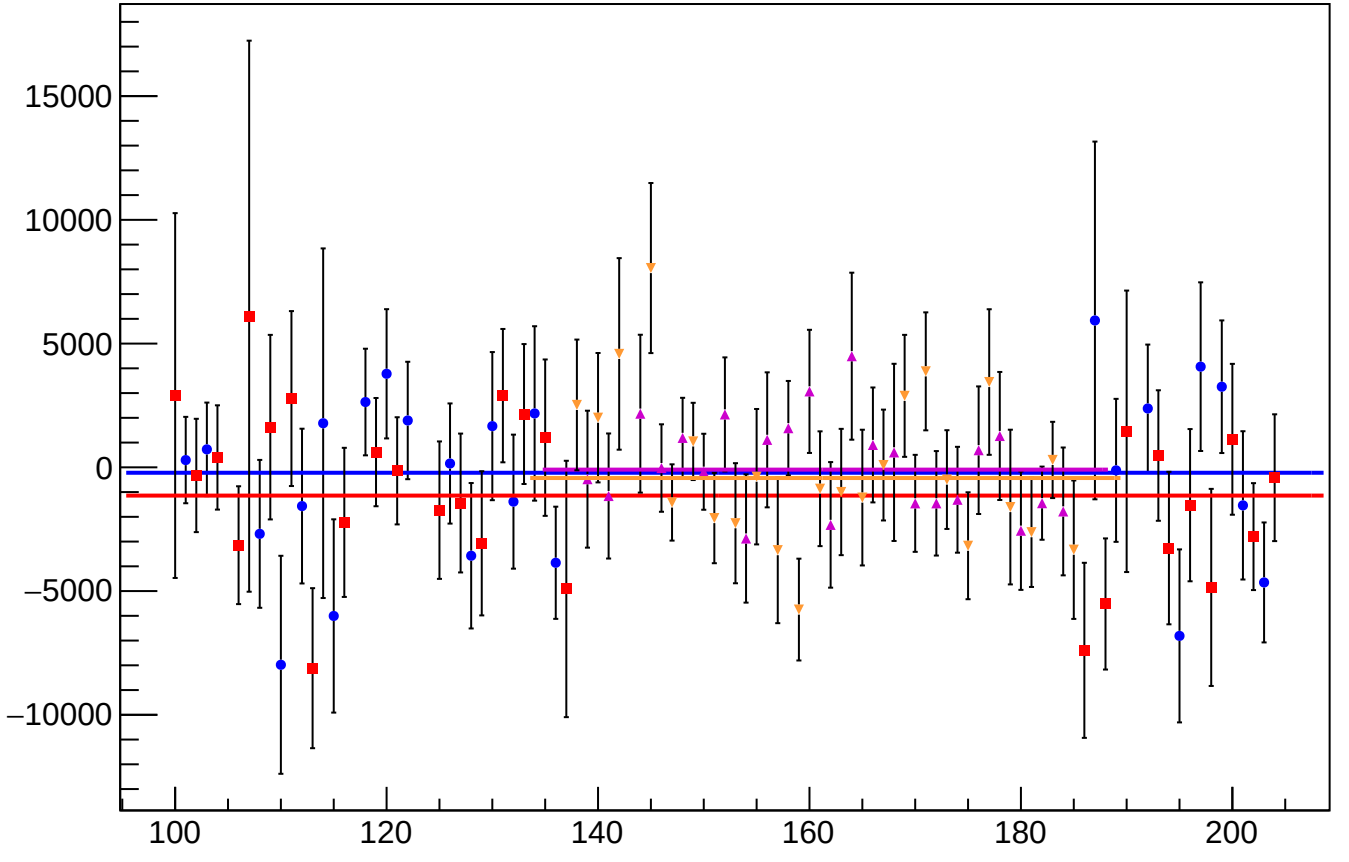
Right: 2264.926+/-0.304 χ^2/NDF: 709893.6/51

In: 2214.854+/-0.280 χ^2/NDF:547811.5/46

Out: 2221.969+/-0.272 χ^2/NDF:204396.0/51

All: 2218.515+/-0.195 χ^2/NDF: 752539.9/98

asym_us_avg_at1lr_avg_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -219.320+/-560.232 χ^2/NDF: 28.5/23

Left Out: -432.320+/-462.383 χ^2/NDF:31.3/23

Right Out: -1141.813+/-548.850 χ^2/NDF: 23.7/27

Left In: -92.604+/-460.670 χ^2/NDF:12.8/22

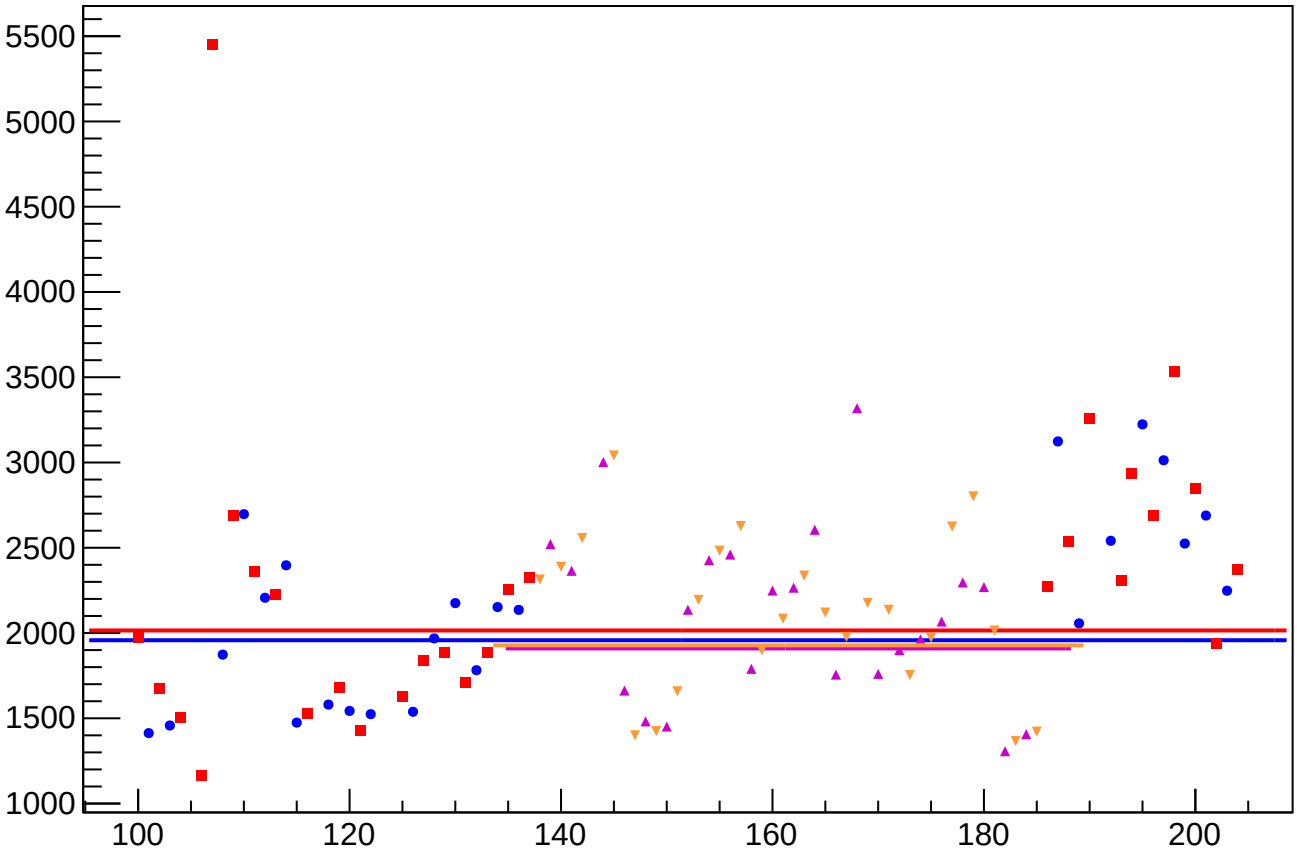
Left: -261.832+/-326.347 χ^2/NDF: 44.3/46

Right: -690.033+/-392.058 χ^2/NDF: 53.6/51

In: -143.721+/-355.822 χ^2/NDF:41.3/46

Out: -726.841+/-353.620 χ^2/NDF:56.0/51

All: -437.091+/-250.822 χ^2/NDF: 98.7/98



Right In: 1957.775+/-0.396 χ^2/NDF: 1567521.9/23

Left Out: 1927.659+/-0.327 χ^2/NDF:1798407.2/23

Right Out: 2015.063+/-0.388 χ^2/NDF: 2009889.2/27

Left In: 1909.618+/-0.326 χ^2/NDF:1942286.8/22

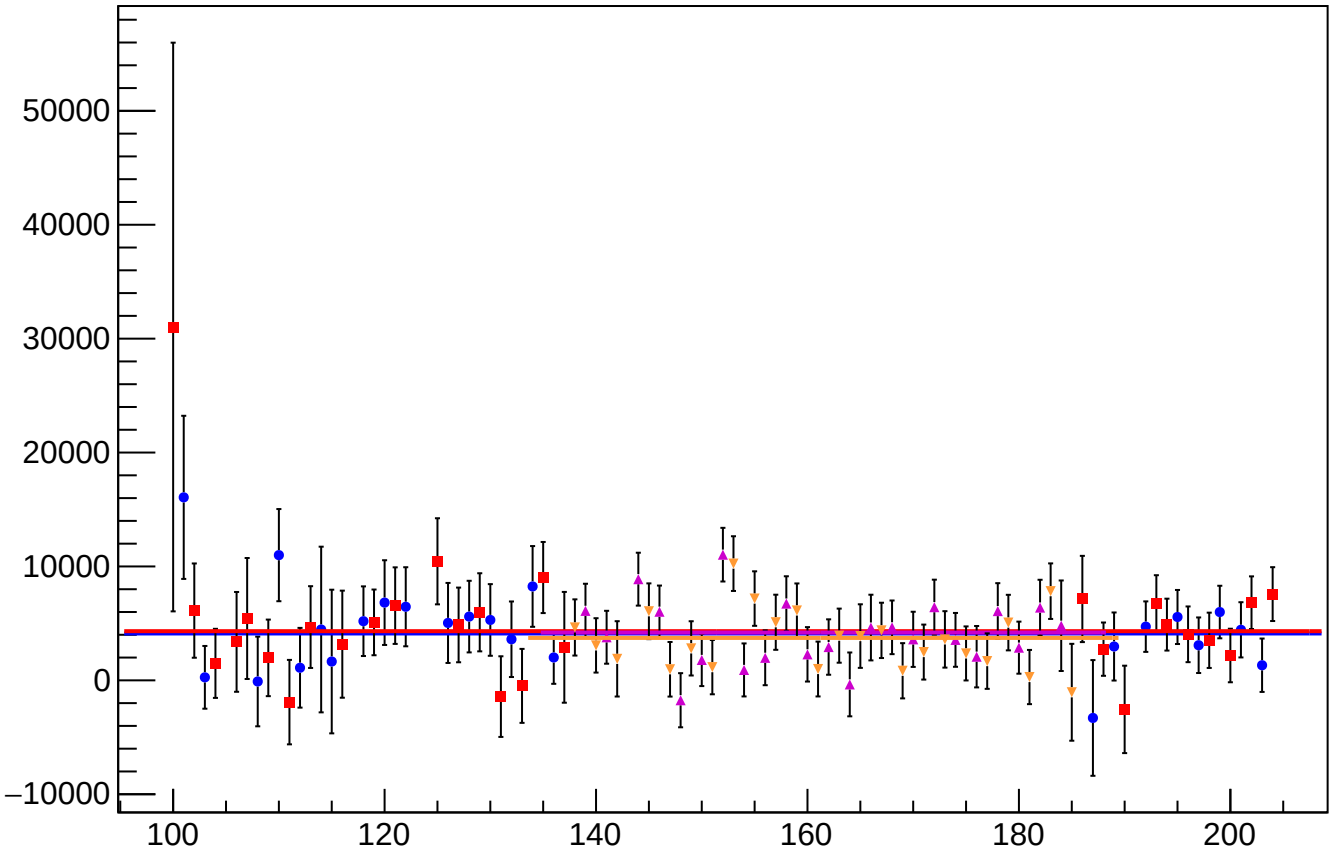
Left: 1918.605+/-0.231 χ^2/NDF: 3742222.0/46

Right: 1987.007+/-0.277 χ^2/NDF: 3588082.1/51

In: 1929.044+/-0.252 χ^2/NDF:3518625.5/46

Out: 1963.942+/-0.250 χ^2/NDF:3837962.1/51

All: 1946.601+/-0.177 χ^2/NDF: 7366265.9/98



Right In: 4115.894+/-626.732 χ^2/NDF: 18.4/23

Left Out: 3723.433+/-507.155 χ^2/NDF:25.4/23

Right Out: 4316.981+/-589.619 χ^2/NDF: 25.5/27

Left In: 4196.060+/-510.578 χ^2/NDF:32.1/22

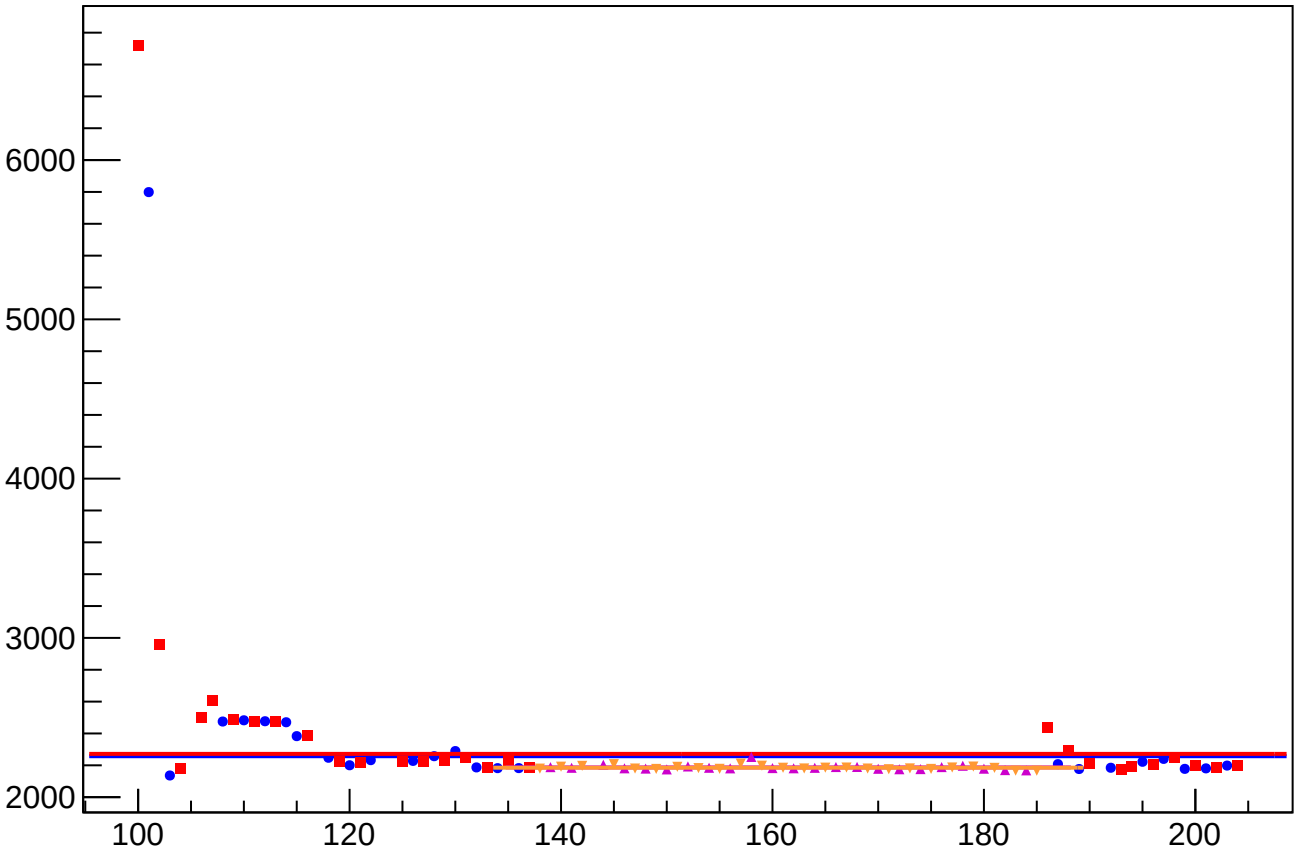
Left: 3958.157+/-359.817 χ^2/NDF: 58.0/46

Right: 4222.567+/-429.445 χ^2/NDF: 44.0/51

In: 4164.080+/-395.847 χ^2/NDF:50.5/46

Out: 3975.830+/-384.491 χ^2/NDF:51.5/51

All: 4067.216+/-275.803 χ^2/NDF: 102.2/98



Right In: 2257.206+/-0.443 χ^2/NDF: 530552.9/23

Left Out: 2185.133+/-0.359 χ^2/NDF:815.1/23

Right Out: 2271.758+/-0.417 χ^2/NDF: 178768.8/27

Left In: 2186.745+/-0.361 χ^2/NDF:2063.9/22

Left: 2185.934+/-0.254 χ^2/NDF: 2889.0/46

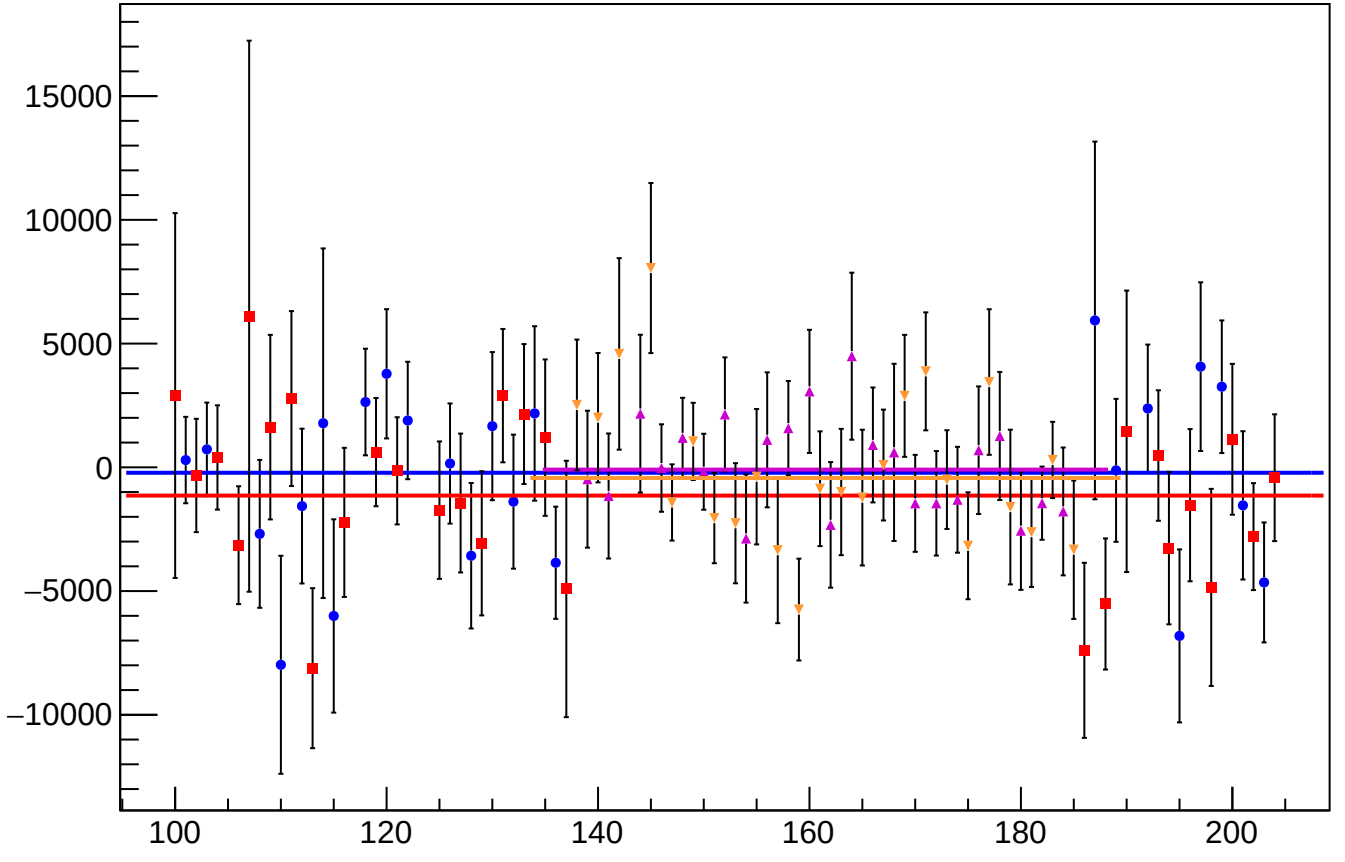
Right: 2264.926+/-0.304 χ^2/NDF: 709893.6/51

In: 2214.854+/-0.280 χ^2/NDF:547811.5/46

Out: 2221.969+/-0.272 χ^2/NDF:204396.0/51

All: 2218.515+/-0.195 χ^2/NDF: 752539.9/98

asym_us_avg_at1lr_avg_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -219.320+/-560.232 χ^2/NDF: 28.5/23

Left Out: -432.320+/-462.383 χ^2/NDF:31.3/23

Right Out: -1141.813+/-548.850 χ^2/NDF: 23.7/27

Left In: -92.604+/-460.670 χ^2/NDF:12.8/22

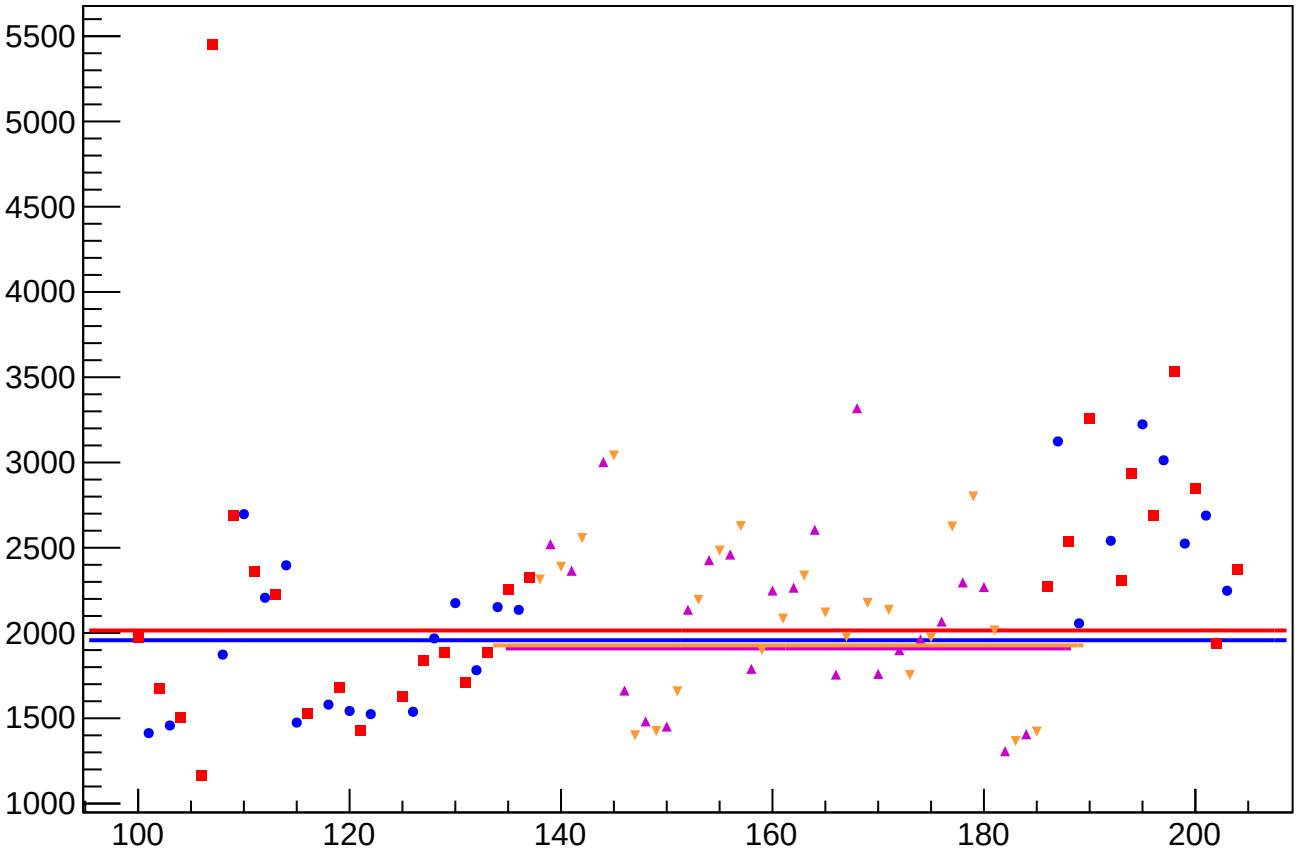
Left: -261.832+/-326.347 χ^2/NDF: 44.3/46

Right: -690.033+/-392.058 χ^2/NDF: 53.6/51

In: -143.721+/-355.822 χ^2/NDF:41.3/46

Out: -726.841+/-353.620 χ^2/NDF:56.0/51

All: -437.091+/-250.822 χ^2/NDF: 98.7/98



Right In: 1957.775+/-0.396 χ^2/NDF: 1567521.9/23

Left Out: 1927.659+/-0.327 χ^2/NDF:1798407.2/23

Right Out: 2015.063+/-0.388 χ^2/NDF: 2009889.2/27

Left In: 1909.618+/-0.326 χ^2/NDF:1942286.8/22

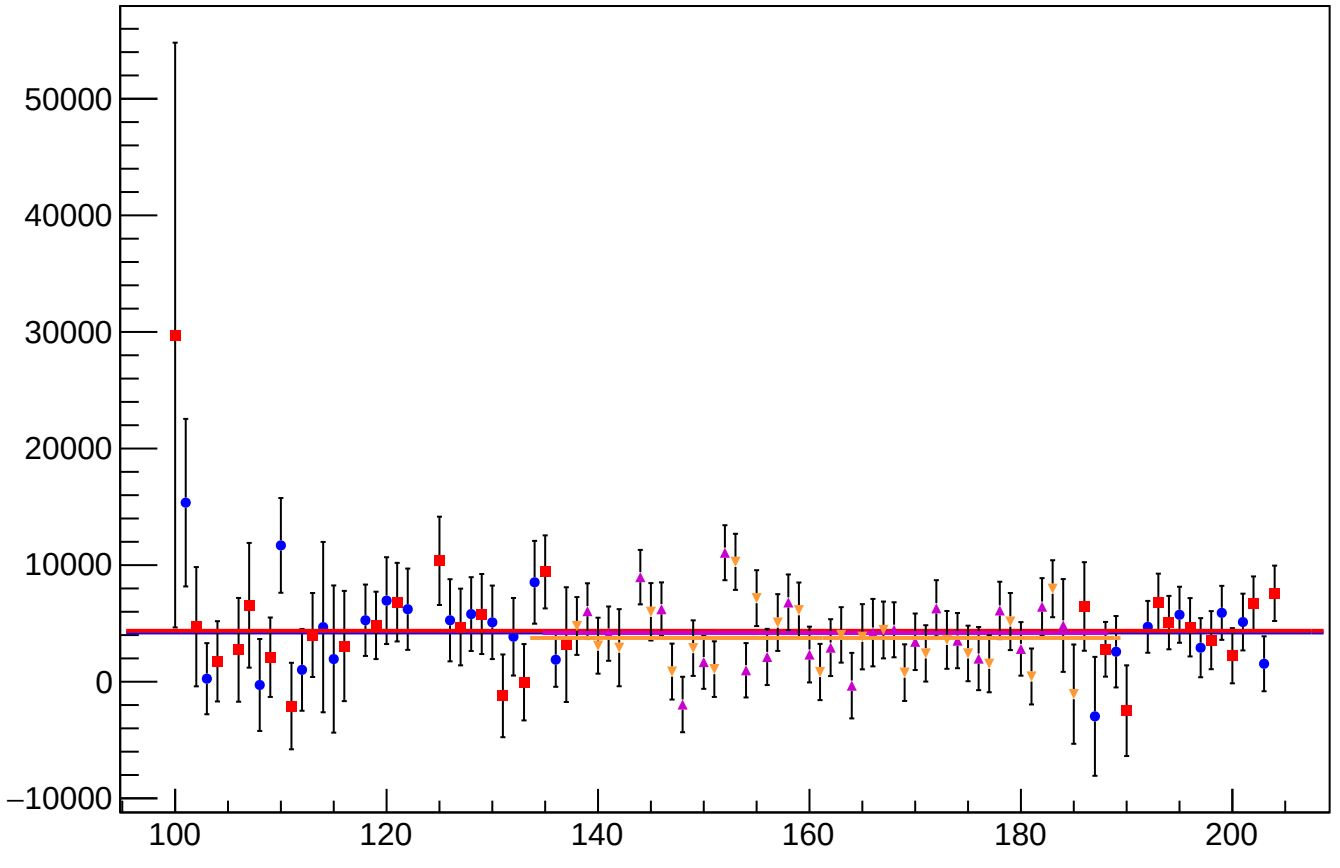
Left: 1918.605+/-0.231 χ^2/NDF: 3742222.0/46

Right: 1987.007+/-0.277 χ^2/NDF: 3588082.1/51

In: 1929.044+/-0.252 χ^2/NDF:3518625.5/46

Out: 1963.942+/-0.250 χ^2/NDF:3837962.1/51

All: 1946.601+/-0.177 χ^2/NDF: 7366265.9/98



Right In: 4227.406+/-634.313 χ^2/NDF: 18.6/23

Left Out: 3754.065+/-508.568 χ^2/NDF:25.7/23

Right Out: 4365.116+/-598.634 χ^2/NDF: 24.3/27

Left In: 4184.214+/-511.864 χ^2/NDF:32.7/22

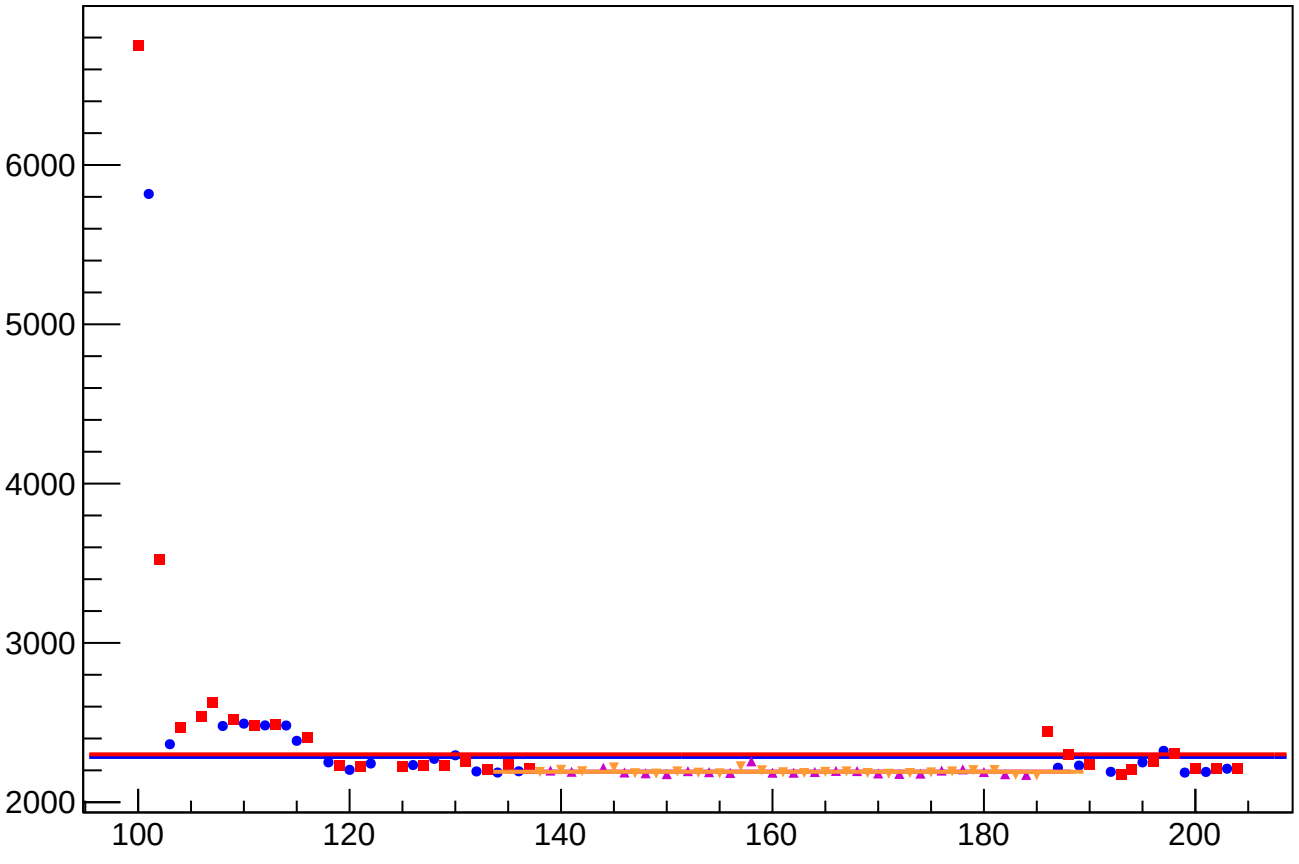
Left: 3967.750+/-360.772 χ^2/NDF: 58.7/46

Right: 4300.243+/-435.365 χ^2/NDF: 42.9/51

In: 4201.248+/-398.343 χ^2/NDF:51.2/46

Out: 4010.211+/-387.585 χ^2/NDF:50.6/51

All: 4103.115+/-277.789 χ^2/NDF: 102.0/98



Right In: 2284.179+/-0.449 χ^2/NDF: 525592.8/23

Left Out: 2191.147+/-0.360 χ^2/NDF:1228.9/23

Right Out: 2300.546+/-0.423 χ^2/NDF: 243113.6/27

Left In: 2192.201+/-0.362 χ^2/NDF:2281.8/22

Left: 2191.670+/-0.255 χ^2/NDF: 3515.0/46

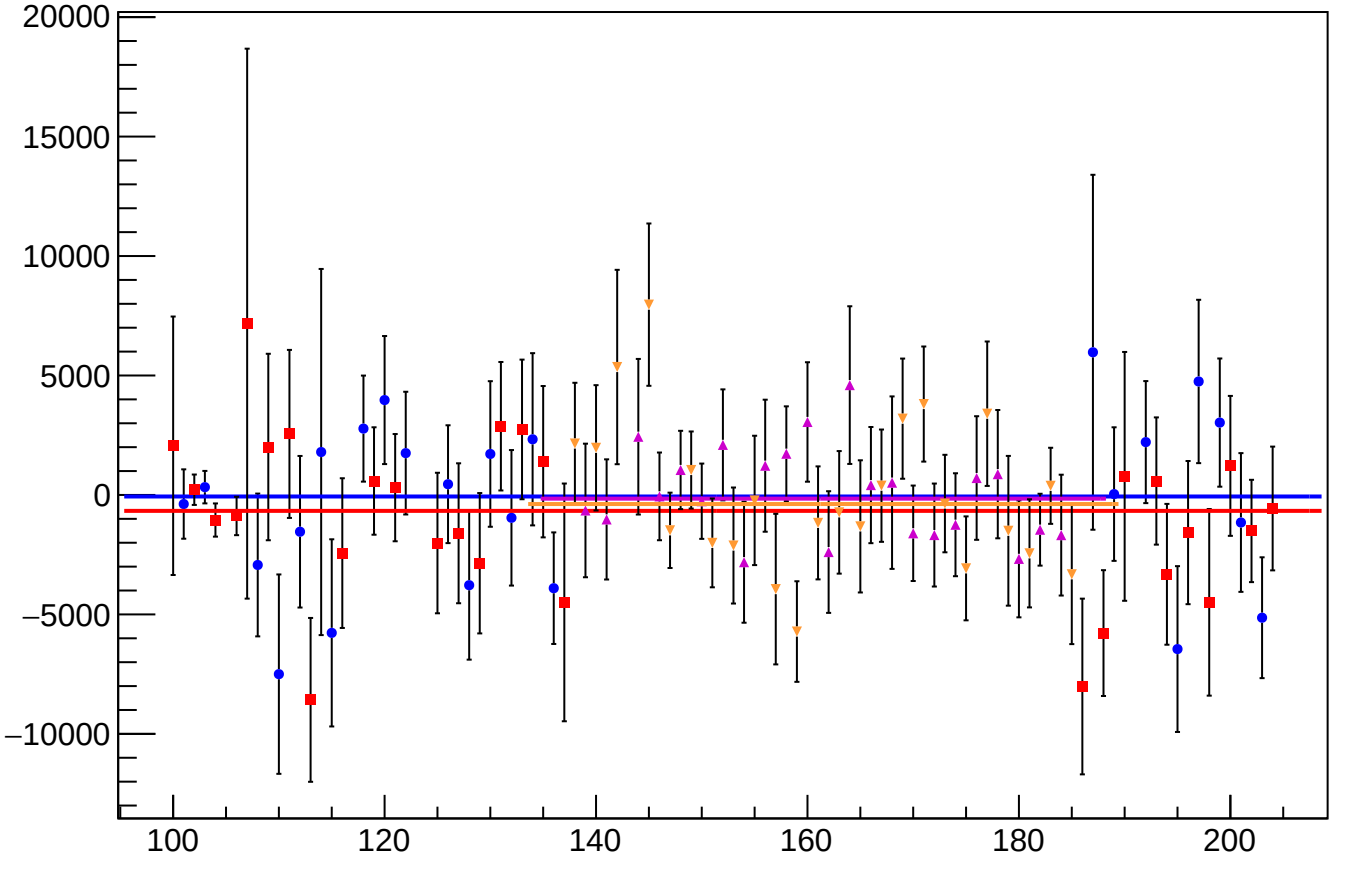
Right: 2292.836+/-0.308 χ^2/NDF: 769410.8/51

In: 2228.475+/-0.282 χ^2/NDF:553342.7/46

Out: 2237.006+/-0.274 χ^2/NDF:283137.5/51

All: 2232.857+/-0.196 χ^2/NDF: 836951.4/98

asym_us_avg_at1lr_avg_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -64.310+/-441.621 χ^2/NDF: 28.6/23

Left Out: -380.488+/-471.481 χ^2/NDF:30.8/23

Right Out: -666.316+/-337.503 χ^2/NDF: 26.0/27

Left In: -154.512+/-467.999 χ^2/NDF:12.8/22

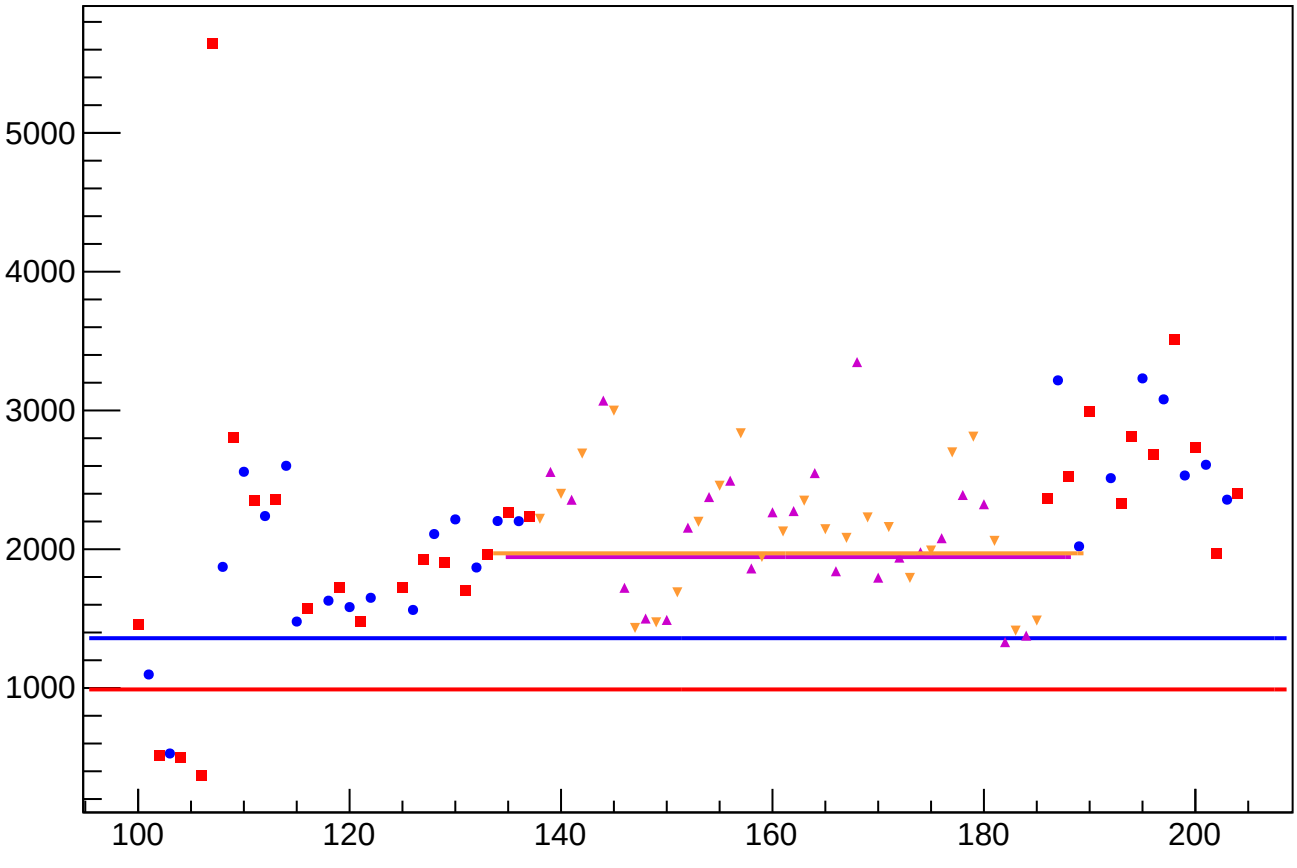
Left: -266.662+/-332.150 χ^2/NDF: 43.7/46

Right: -444.351+/-268.159 χ^2/NDF: 55.8/51

In: -106.797+/-321.194 χ^2/NDF:41.5/46

Out: -569.475+/-274.436 χ^2/NDF:57.0/51

All: -374.234+/-208.647 χ^2/NDF: 99.6/98



Right In: 1359.010+/-0.312 χ^2/NDF: 7078782.0/23

Left Out: 1970.655+/-0.333 χ^2/NDF:1696659.6/23

Right Out: 989.762+/-0.239 χ^2/NDF: 12139870.2/27

Left In: 1943.628+/-0.331 χ^2/NDF:1882933.7/22

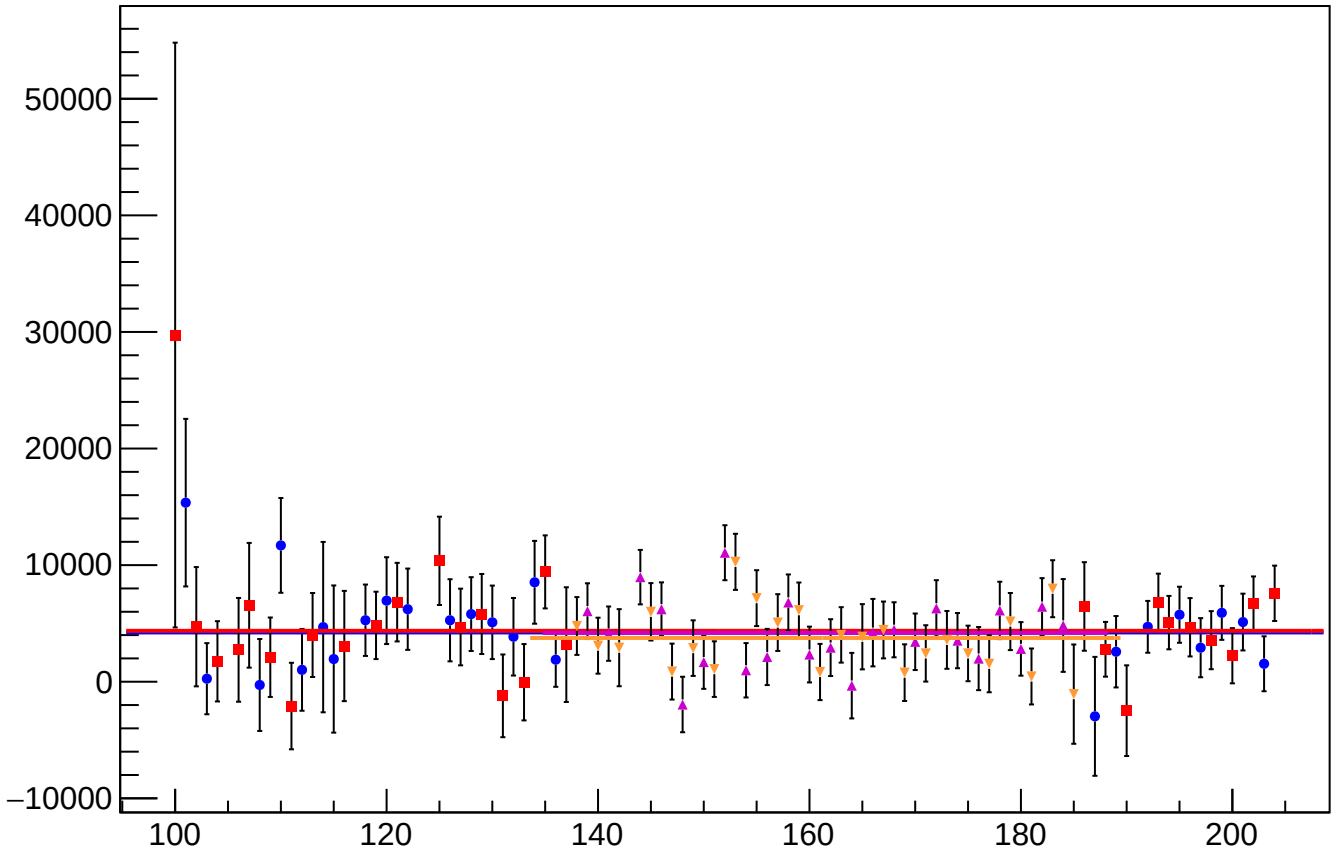
Left: 1957.041+/-0.235 χ^2/NDF: 3582903.8/46

Right: 1125.907+/-0.190 χ^2/NDF: 20101313.7/51

In: 1634.380+/-0.227 χ^2/NDF:10612608.7/46

Out: 1322.098+/-0.194 χ^2/NDF:19560171.0/51

All: 1453.874+/-0.148 χ^2/NDF: 31265559.4/9



Right In: 4227.403+/-634.313 χ^2/NDF: 18.6/23

Left Out: 3754.064+/-508.568 χ^2/NDF:25.7/23

Right Out: 4365.111+/-598.634 χ^2/NDF: 24.3/27

Left In: 4184.214+/-511.864 χ^2/NDF:32.7/22

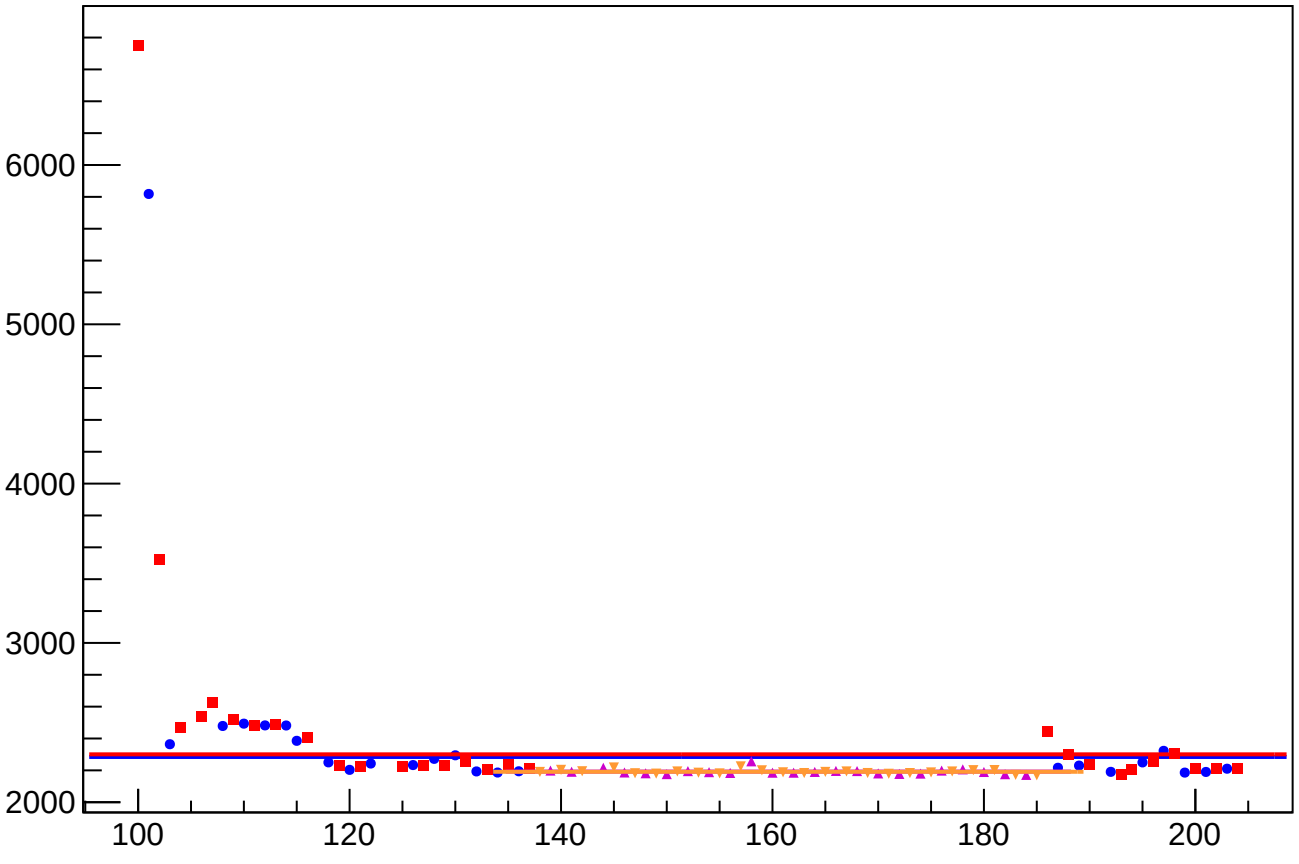
Left: 3967.750+/-360.772 χ^2/NDF: 58.7/46

Right: 4300.239+/-435.365 χ^2/NDF: 42.9/51

In: 4201.247+/-398.343 χ^2/NDF:51.2/46

Out: 4010.209+/-387.585 χ^2/NDF:50.6/51

All: 4103.113+/-277.789 χ^2/NDF: 102.0/98



Right In: 2284.179+/-0.449 χ^2/NDF: 525592.7/23

Left Out: 2191.147+/-0.360 χ^2/NDF:1228.9/23

Right Out: 2300.546+/-0.423 χ^2/NDF: 243112.4/27

Left In: 2192.201+/-0.362 χ^2/NDF:2281.8/22

Left: 2191.670+/-0.255 χ^2/NDF: 3515.0/46

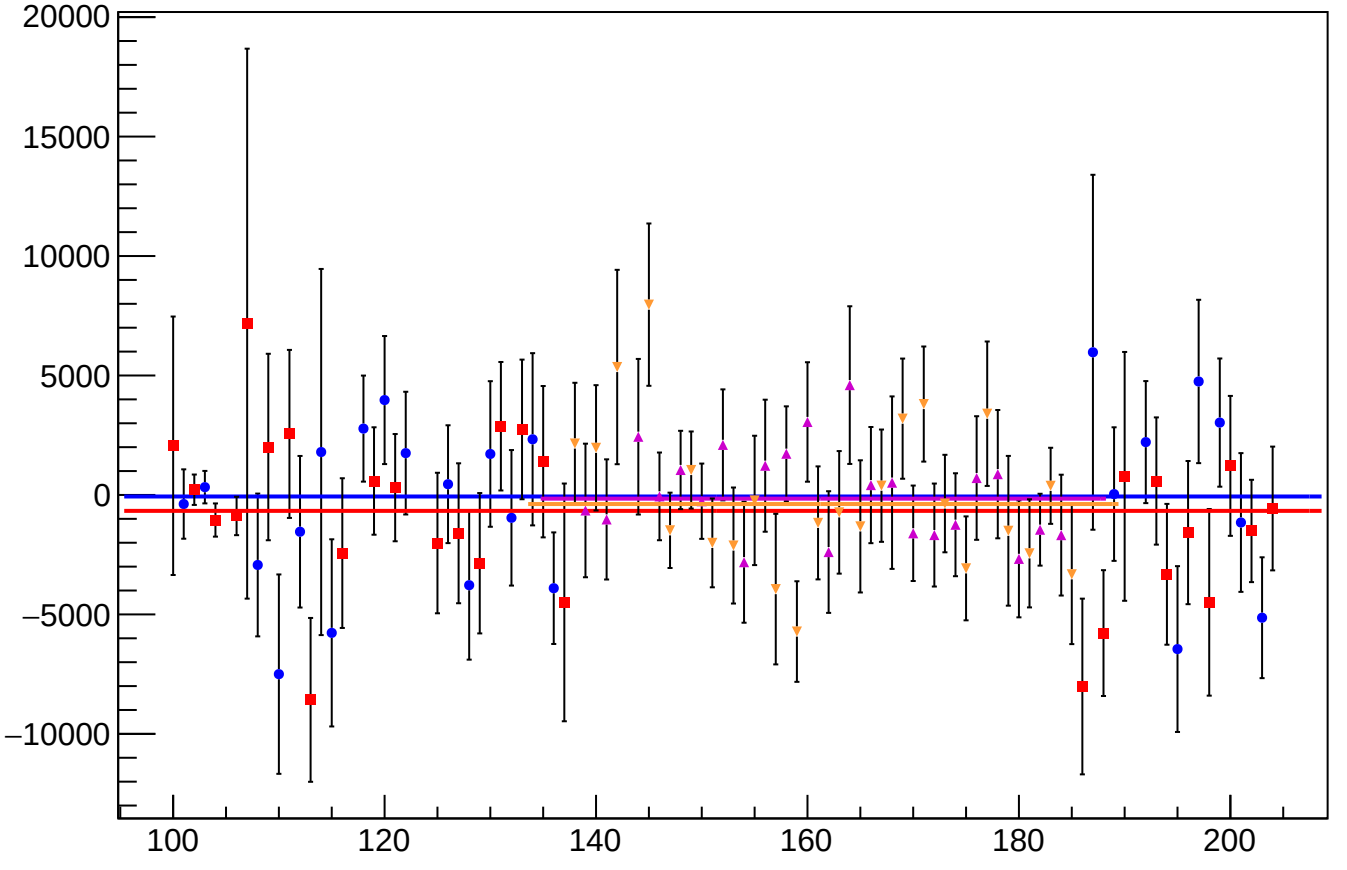
Right: 2292.836+/-0.308 χ^2/NDF: 769409.5/51

In: 2228.474+/-0.282 χ^2/NDF:553342.5/46

Out: 2237.006+/-0.274 χ^2/NDF:283136.0/51

All: 2232.857+/-0.196 χ^2/NDF: 836949.7/98

asym_us_avg_at1lr_avg_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -64.316+/-441.623 χ^2/NDF: 28.6/23

Left Out: -380.492+/-471.482 χ^2/NDF:30.8/23

Right Out: -666.324+/-337.507 χ^2/NDF: 26.0/27

Left In: -154.512+/-468.000 χ^2/NDF:12.8/22

Left: -266.664+/-332.150 χ^2/NDF: 43.7/46

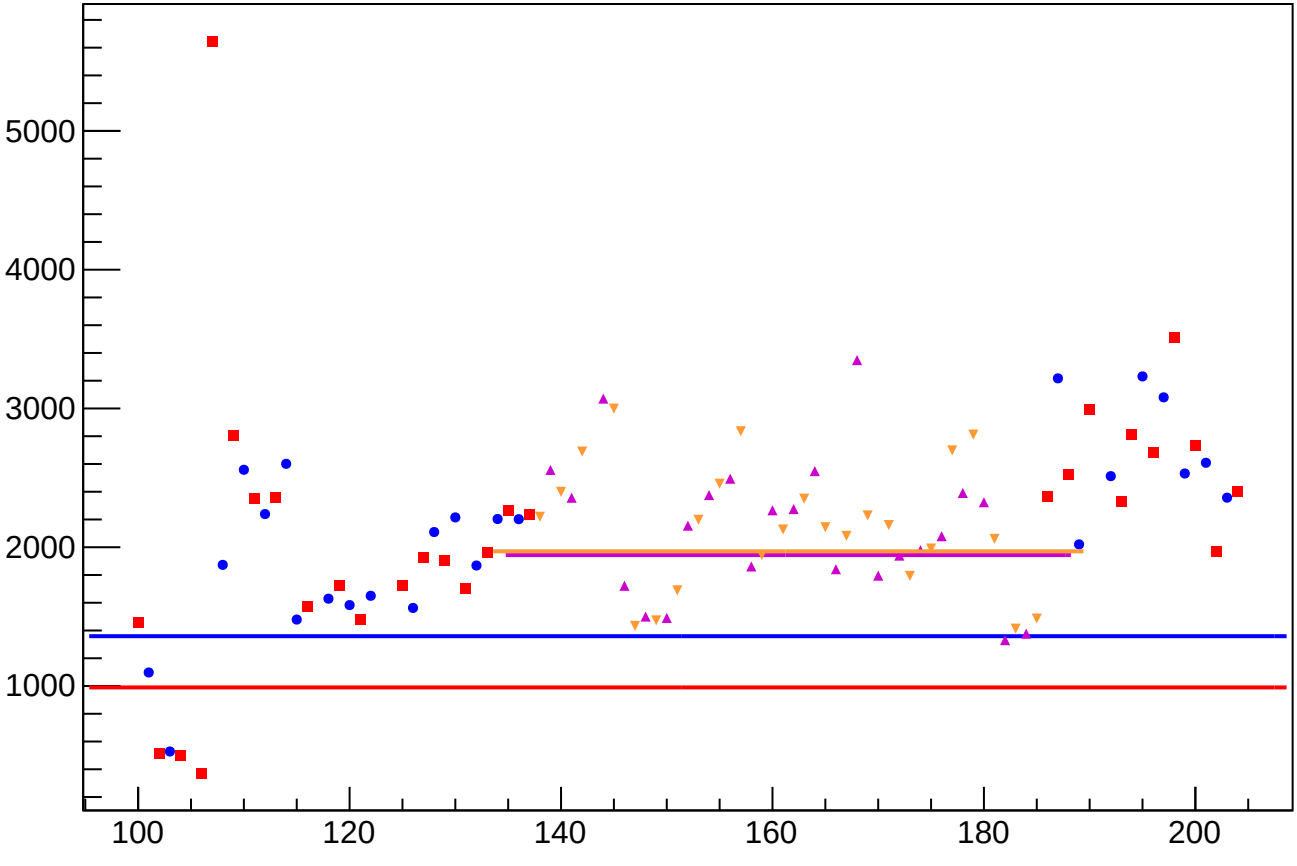
Right: -444.356+/-268.162 χ^2/NDF: 55.8/51

In: -106.801+/-321.195 χ^2/NDF:41.5/46

Out: -569.480+/-274.439 χ^2/NDF:57.0/51

All: -374.238+/-208.649 χ^2/NDF: 99.6/98

asym_us_avg_at1lr_avg_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1359.020+/-0.312 χ^2/NDF: 7078667.5/23

Left Out: 1970.659+/-0.333 χ^2/NDF:1696658.8/23

Right Out: 989.780+/-0.239 χ^2/NDF: 12139632.3/27

Left In: 1943.631+/-0.331 χ^2/NDF:1882931.8/22

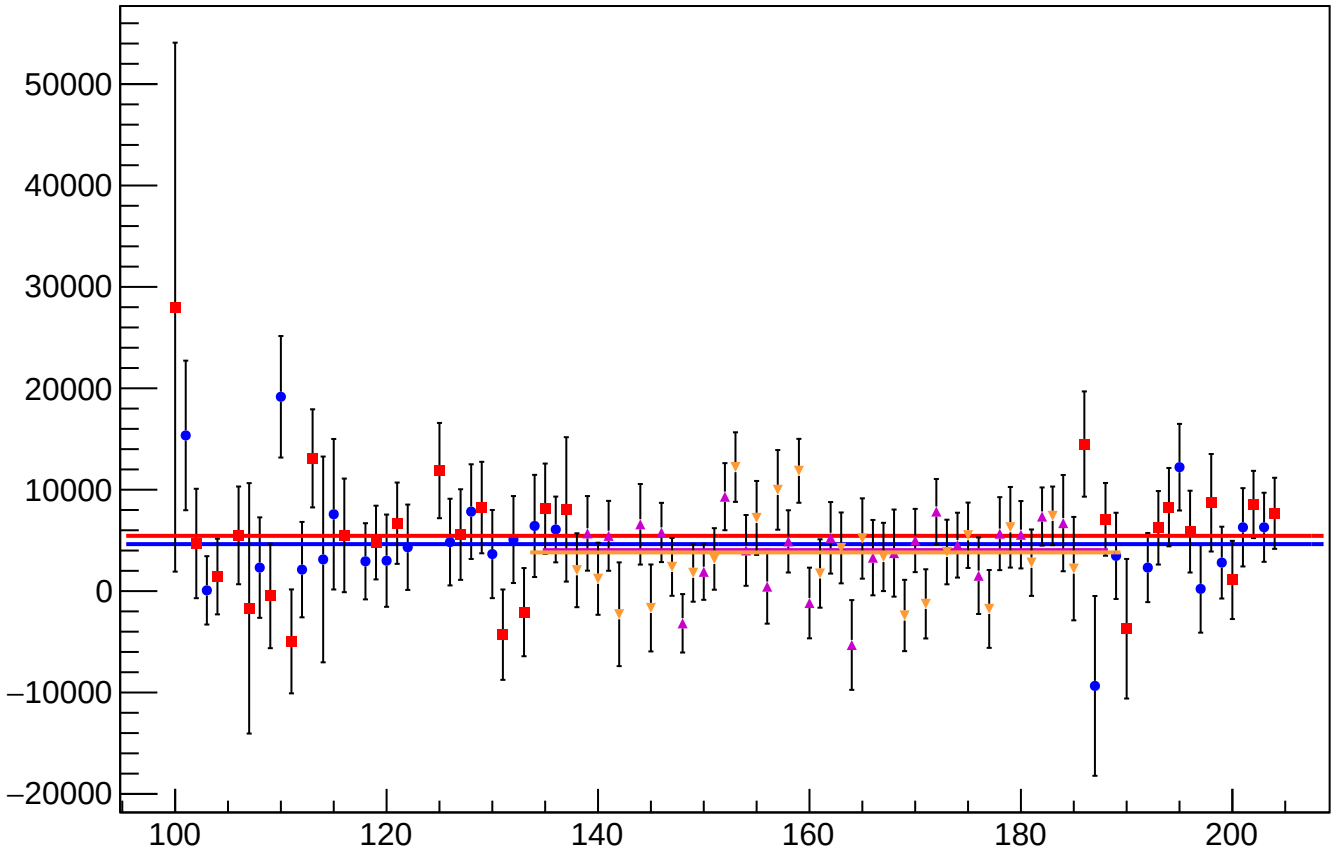
Left: 1957.045+/-0.235 χ^2/NDF: 3582901.0/46

Right: 1125.924+/-0.190 χ^2/NDF: 20100911.2/51

In: 1634.388+/-0.227 χ^2/NDF:10612443.7/46

Out: 1322.115+/-0.194 χ^2/NDF:19559703.4/51

All: 1453.888+/-0.148 χ^2/NDF: 31264848.5/9



Right In: 4633.738+/-890.307 χ^2/NDF: 19.6/23

Left Out: 3817.837+/-708.312 χ^2/NDF:30.9/23

Right Out: 5450.264+/-849.132 χ^2/NDF: 29.5/27

Left In: 4042.422+/-709.573 χ^2/NDF:22.5/22

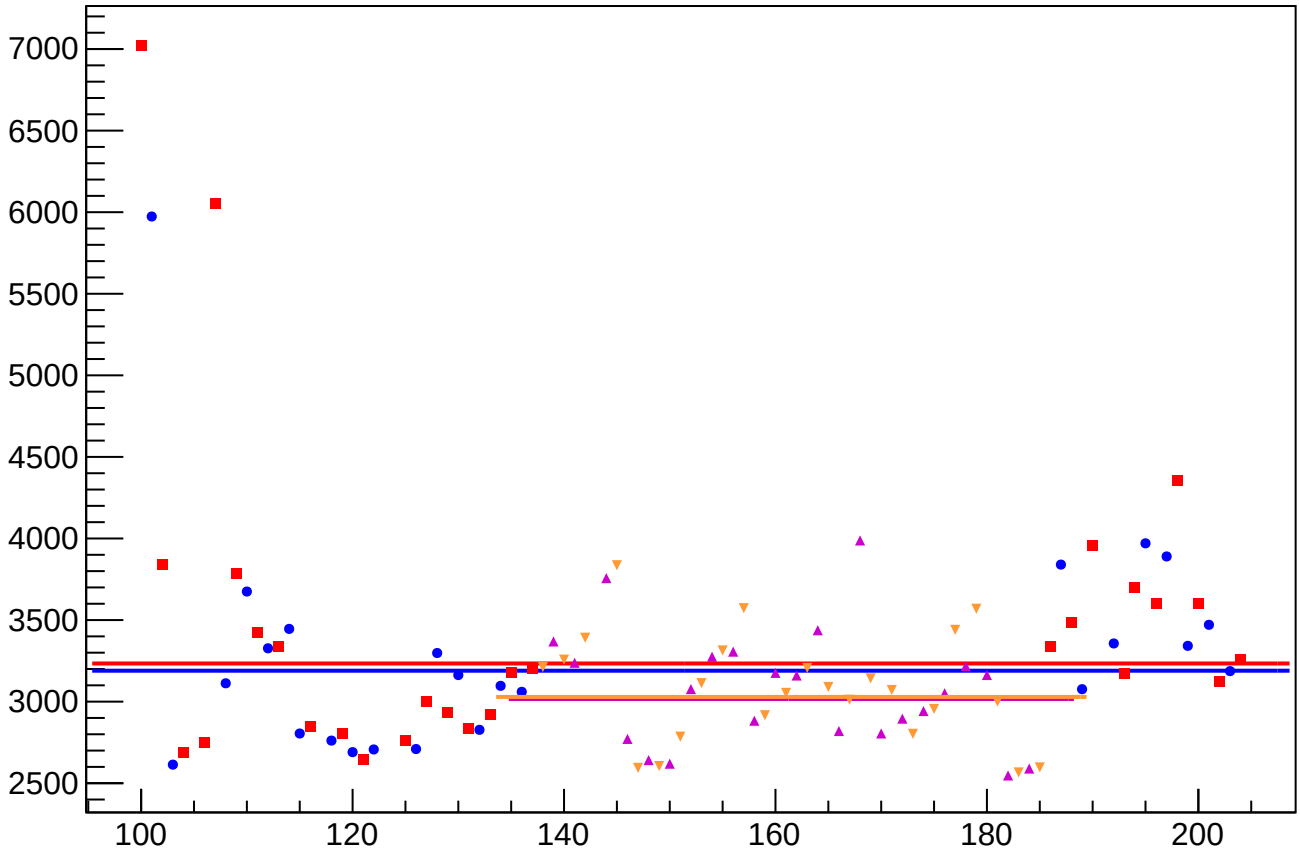
Left: 3929.930+/-501.297 χ^2/NDF: 53.4/46

Right: 5061.318+/-614.468 χ^2/NDF: 49.5/51

In: 4272.122+/-554.895 χ^2/NDF:42.4/46

Out: 4487.648+/-543.919 χ^2/NDF:62.5/51

All: 4382.038+/-388.431 χ^2/NDF: 105.0/98



Right In: 3189.595+/-0.630 χ^2/NDF: 636963.0/23

Left Out: 3028.983+/-0.501 χ^2/NDF:397111.2/23

Right Out: 3233.868+/-0.600 χ^2/NDF: 611882.1/27

Left In: 3016.252+/-0.502 χ^2/NDF:439897.8/22

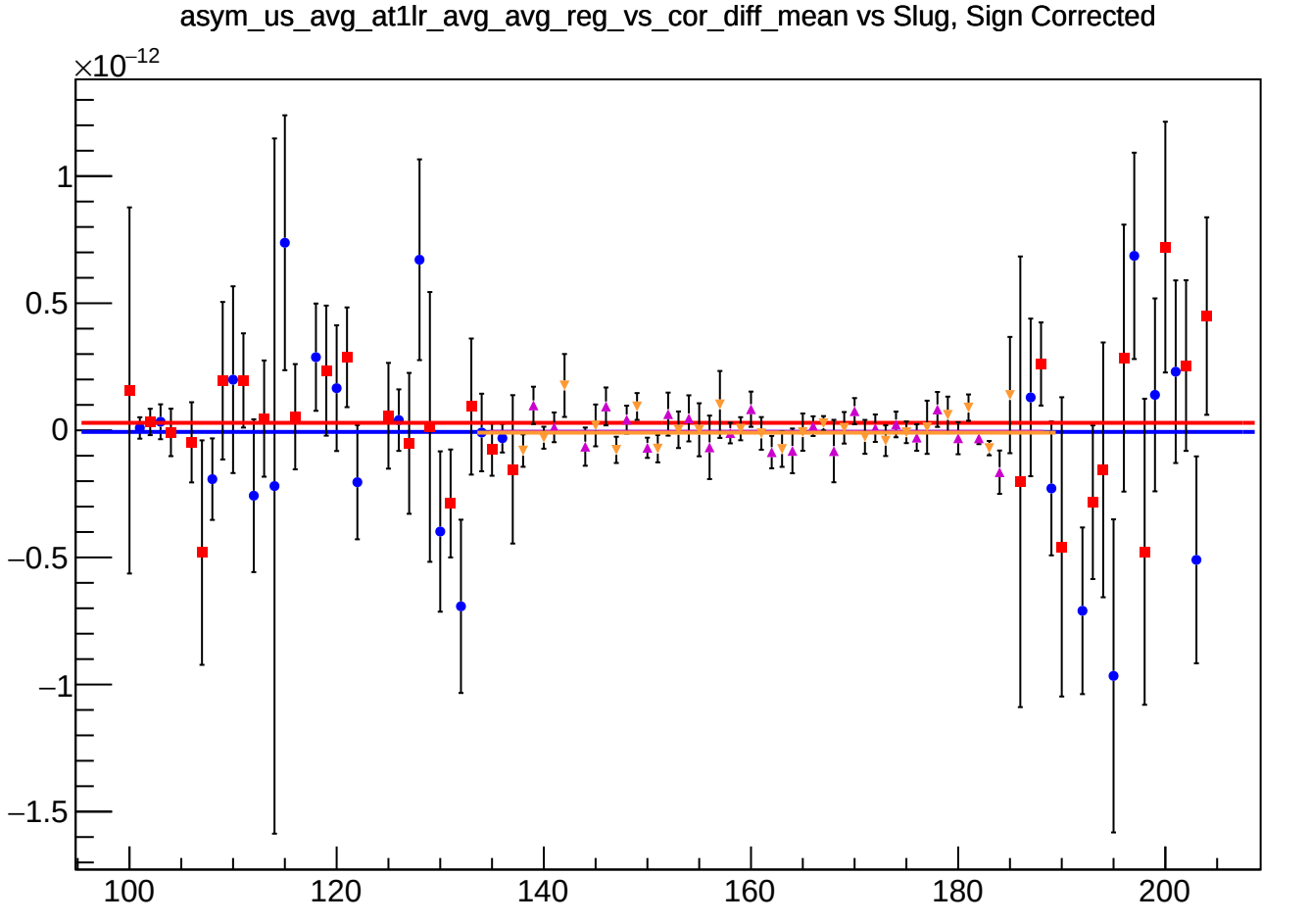
Left: 3022.629+/-0.354 χ^2/NDF: 837331.5/46

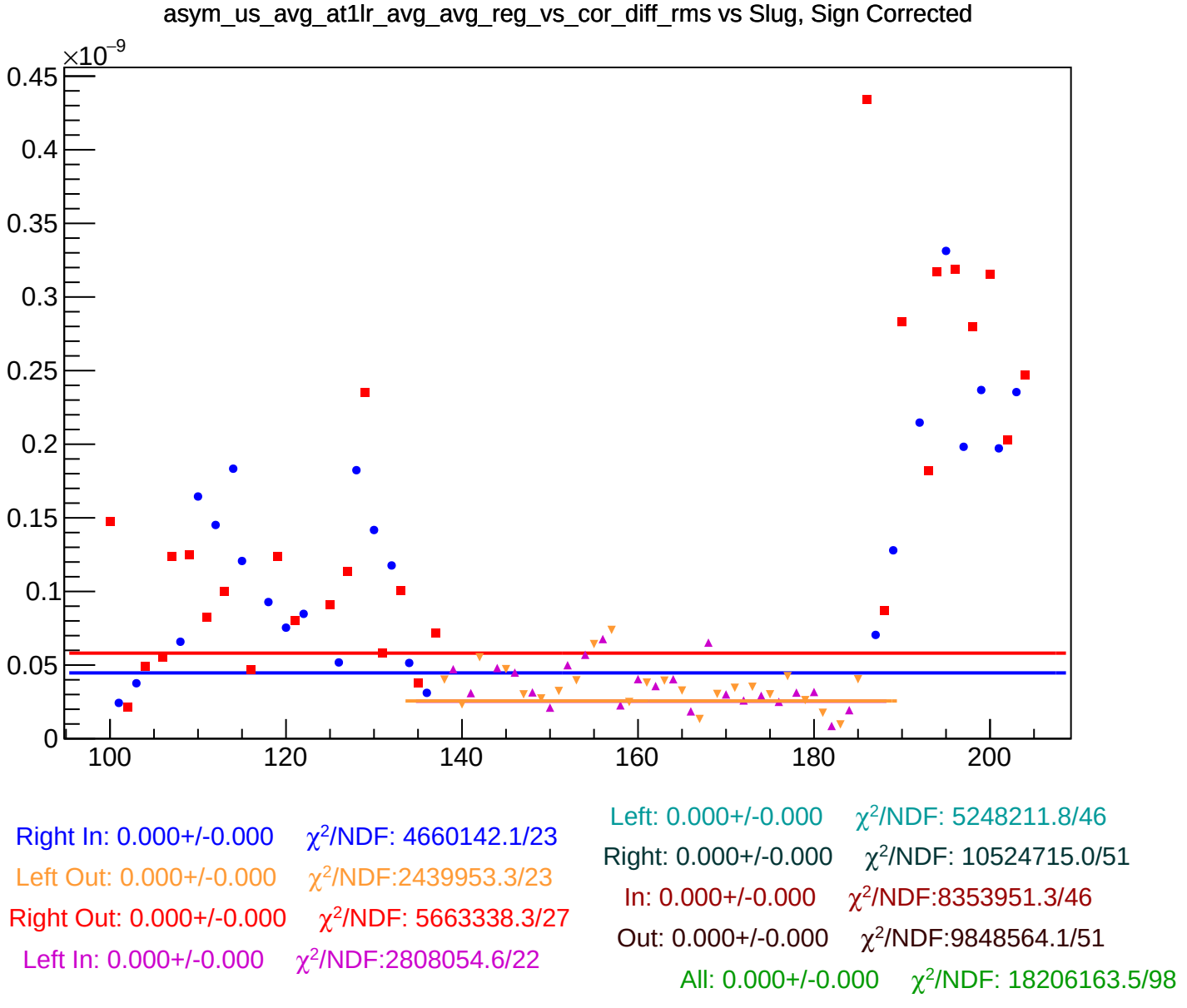
Right: 3212.779+/-0.434 χ^2/NDF: 1251435.0/51

In: 3083.588+/-0.392 χ^2/NDF:1123226.1/46

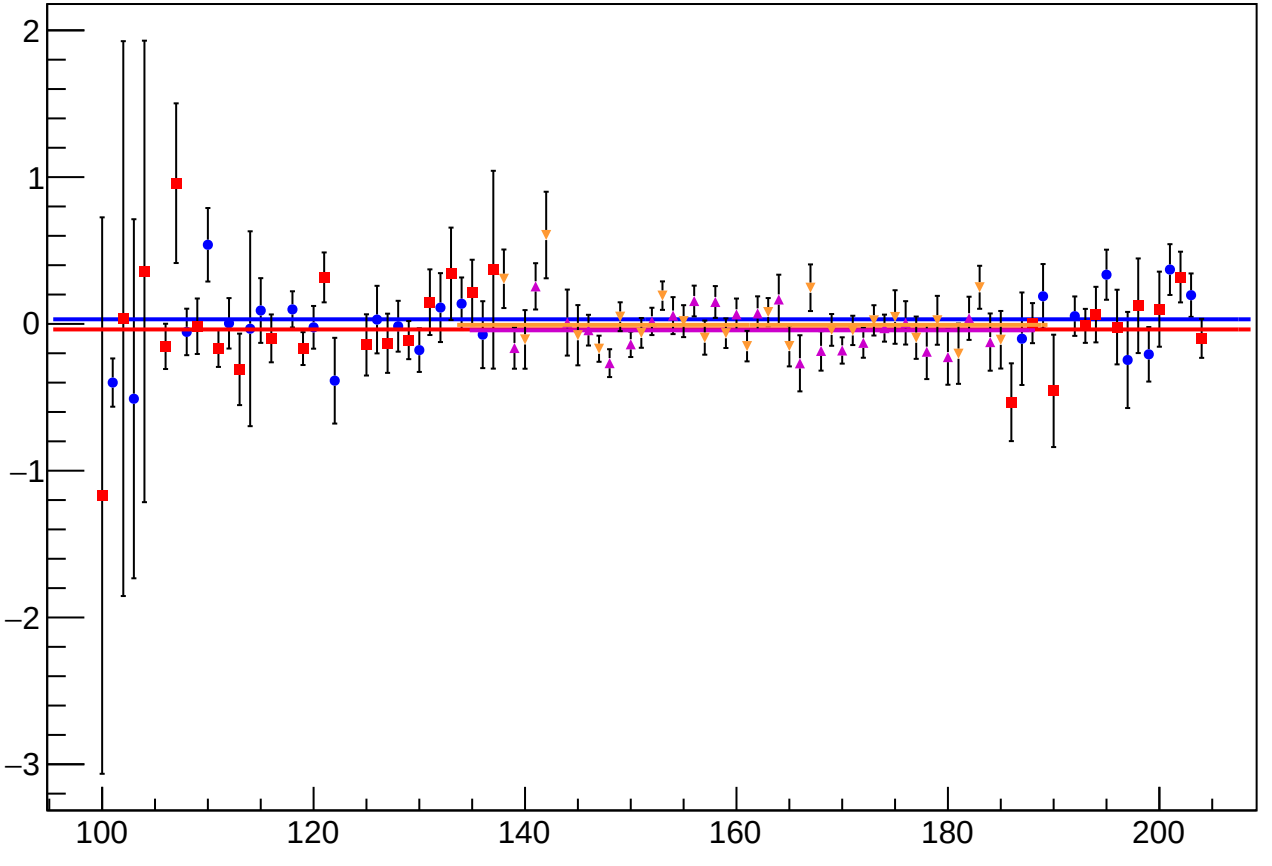
Out: 3113.051+/-0.385 χ^2/NDF:1077656.1/51

All: 3098.614+/-0.275 χ^2/NDF: 2203757.8/98


asym_us_avg_at1lr_avg_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1
0.5
0
−0.5
−1
−1.5
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 30.1/23
Left Out: -0.000+/-0.000 χ²/NDF:24.2/23
Right Out: 0.000+/-0.000 χ²/NDF: 17.6/27
Left In: -0.000+/-0.000 χ²/NDF:23.3/22
Left: -0.000+/-0.000 χ²/NDF: 47.5/46
Right: 0.000+/-0.000 χ²/NDF: 48.4/51
In: -0.000+/-0.000 χ²/NDF:53.4/46
Out: -0.000+/-0.000 χ²/NDF:43.0/51
All: -0.000+/-0.000 χ²/NDF: 96.4/98


asym_us_avg_at1lr_avg_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 4660142.1/23
Left Out: 0.000+/-0.000 χ²/NDF:2439953.3/23
Right Out: 0.000+/-0.000 χ²/NDF: 5663338.3/27
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: 10524715.0/51
In: 0.000+/-0.000 χ²/NDF:8353951.3/46
Out: 0.000+/-0.000 χ²/NDF:9848564.1/51
All: 0.000+/-0.000 χ²/NDF: 18206163.5/98

asym_us_avg_at1lr_avg_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.031+/-0.038 χ^2/NDF: 28.1/23

Left Out: -0.007+/-0.025 χ^2/NDF:27.7/23

Right Out: -0.038+/-0.036 χ^2/NDF: 27.2/27

Left In: -0.044+/-0.025 χ^2/NDF:30.3/22

Left: -0.025+/-0.018 χ^2/NDF: 59.0/46

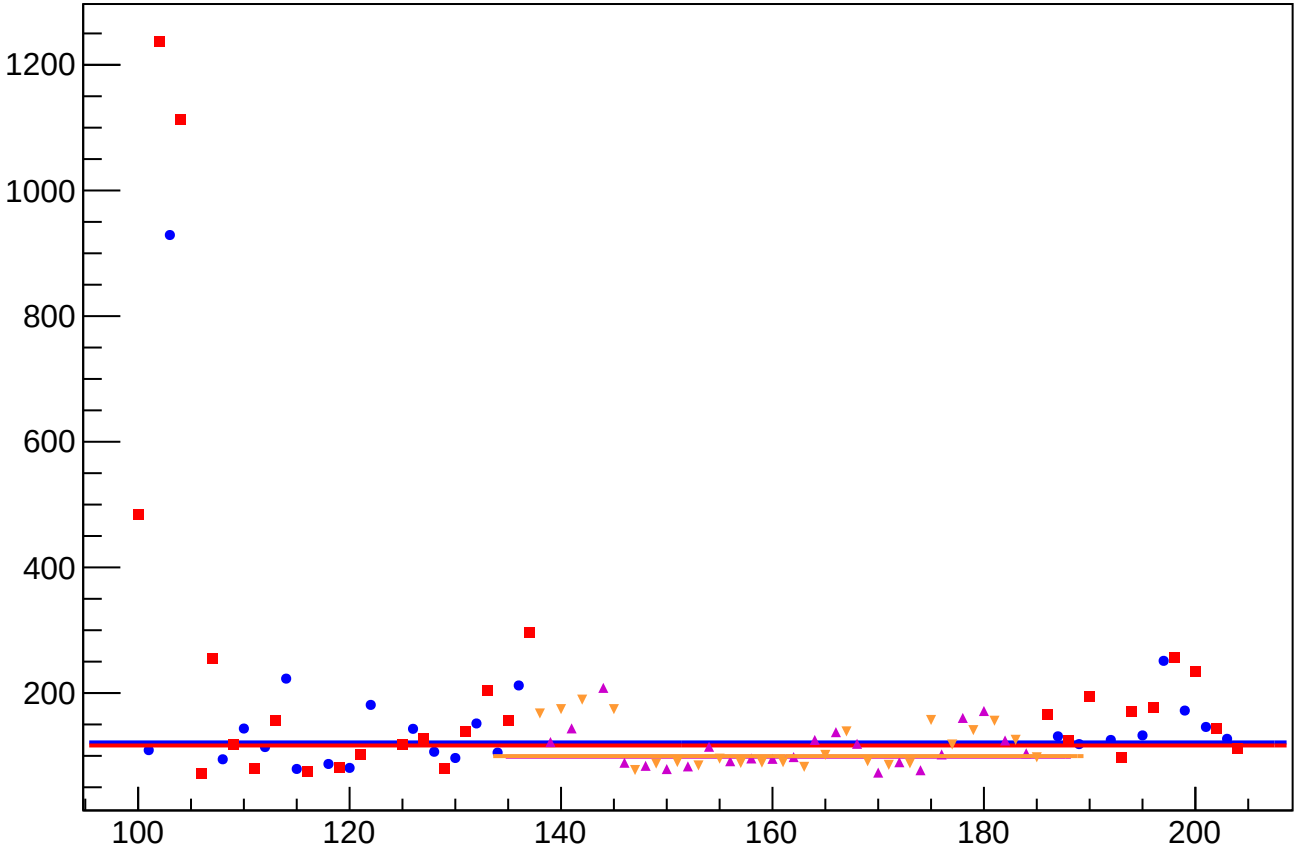
Right: -0.005+/-0.026 χ^2/NDF: 57.0/51

In: -0.021+/-0.021 χ^2/NDF:61.1/46

Out: -0.017+/-0.021 χ^2/NDF:55.4/51

All: -0.019+/-0.015 χ^2/NDF: 116.5/98

asym_us_avg_at1lr_avg_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 121.408+/-0.027 χ^2/NDF: 2447182.5/23

Left Out: 99.590+/-0.018 χ^2/NDF:2070986.6/23

Right Out: 116.541+/-0.025 χ^2/NDF: 4344553.7/27

Left In: 98.669+/-0.018 χ^2/NDF:2003365.1/22

Left: 99.125+/-0.013 χ^2/NDF: 4075687.1/46

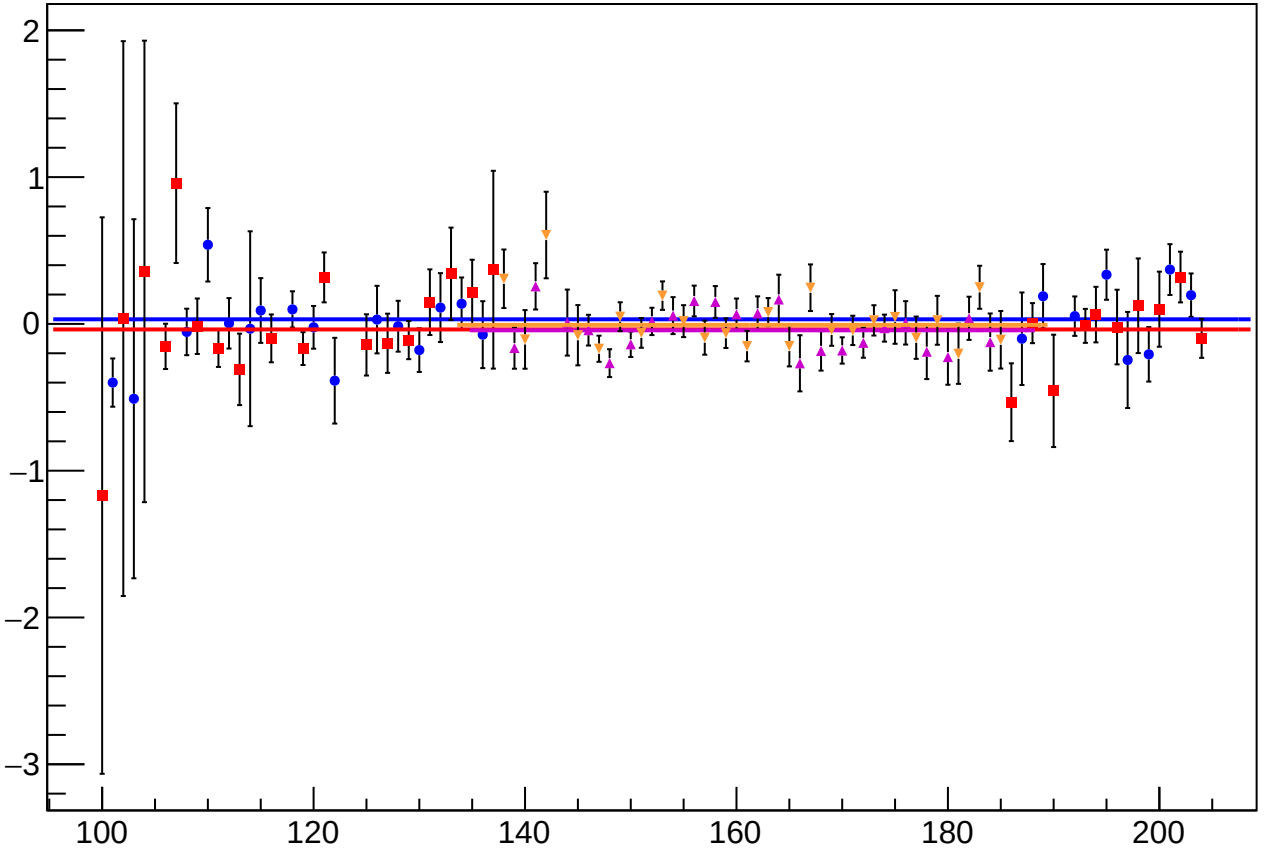
Right: 118.818+/-0.019 χ^2/NDF: 6808853.1/51

In: 105.466+/-0.015 χ^2/NDF:4942747.9/46

Out: 105.203+/-0.015 χ^2/NDF:6712380.3/51

All: 105.333+/-0.010 χ^2/NDF: 11655287.4/98

asym_us_avg_at1lr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.031+/-0.038 χ^2/NDF: 28.1/23

Left Out: -0.007+/-0.025 χ^2/NDF:27.7/23

Right Out: -0.038+/-0.036 χ^2/NDF: 27.2/27

Left In: -0.044+/-0.025 χ^2/NDF:30.3/22

Left: -0.025+/-0.018 χ^2/NDF: 59.0/46

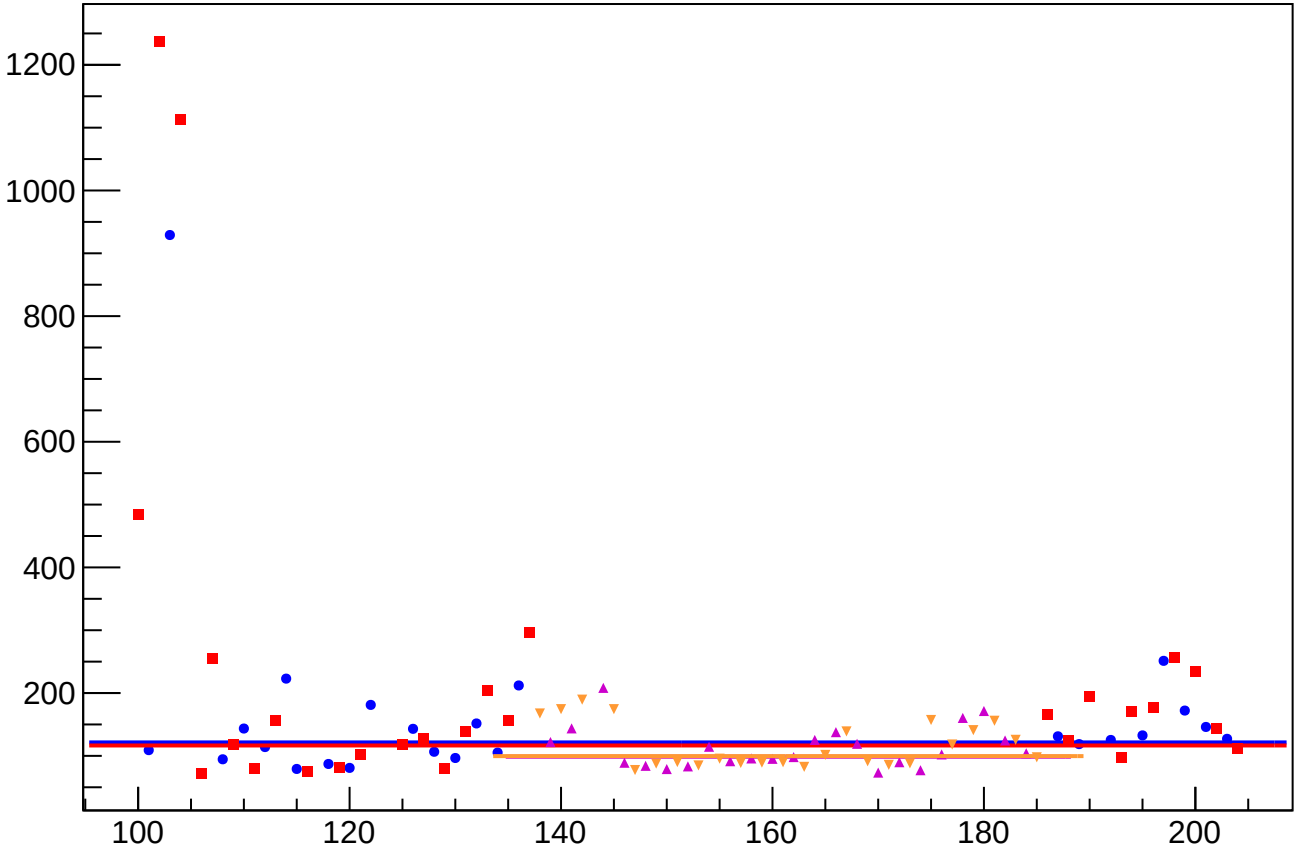
Right: -0.005+/-0.026 χ^2/NDF: 57.0/51

In: -0.021+/-0.021 χ^2/NDF:61.1/46

Out: -0.017+/-0.021 χ^2/NDF:55.4/51

All: -0.019+/-0.015 χ^2/NDF: 116.5/98

asym_us_avg_at1lr_avg_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 121.408+/-0.027 χ^2/NDF: 2447182.5/23

Left Out: 99.590+/-0.018 χ^2/NDF:2070986.6/23

Right Out: 116.541+/-0.025 χ^2/NDF: 4344553.7/27

Left In: 98.669+/-0.018 χ^2/NDF:2003365.1/22

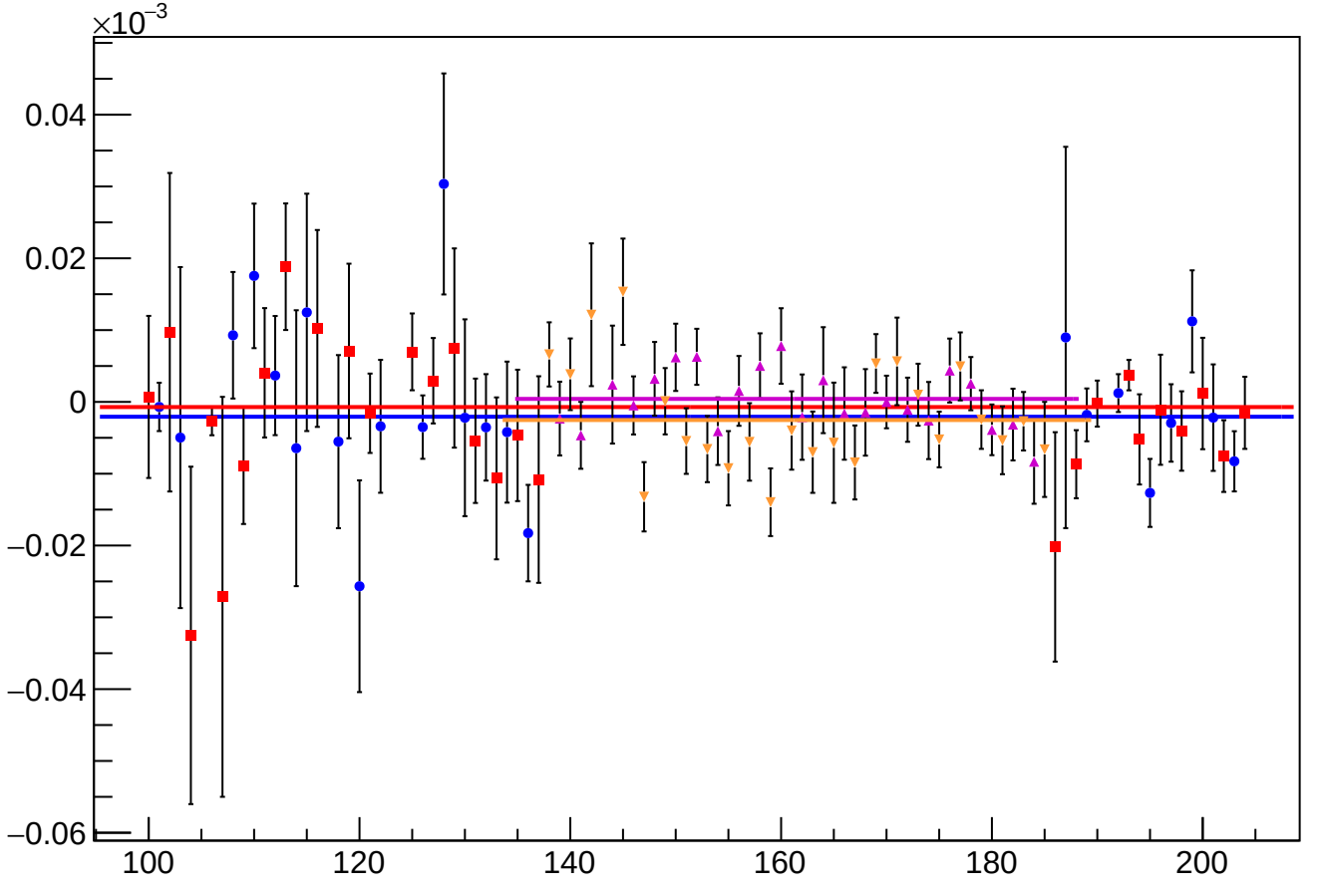
Left: 99.125+/-0.013 χ^2/NDF: 4075687.1/46

Right: 118.818+/-0.019 χ^2/NDF: 6808853.1/51

In: 105.466+/-0.015 χ^2/NDF:4942747.9/46

Out: 105.203+/-0.015 χ^2/NDF:6712380.3/51

All: 105.333+/-0.010 χ^2/NDF: 11655287.4/98



Right In: -0.000+/-0.000 χ^2/NDF: 32.5/23

Left Out: -0.000+/-0.000 χ^2/NDF:40.2/23

Right Out: -0.000+/-0.000 χ^2/NDF: 27.3/27

Left In: 0.000+/-0.000 χ^2/NDF:15.9/22

Left: -0.000+/-0.000 χ^2/NDF: 60.4/46

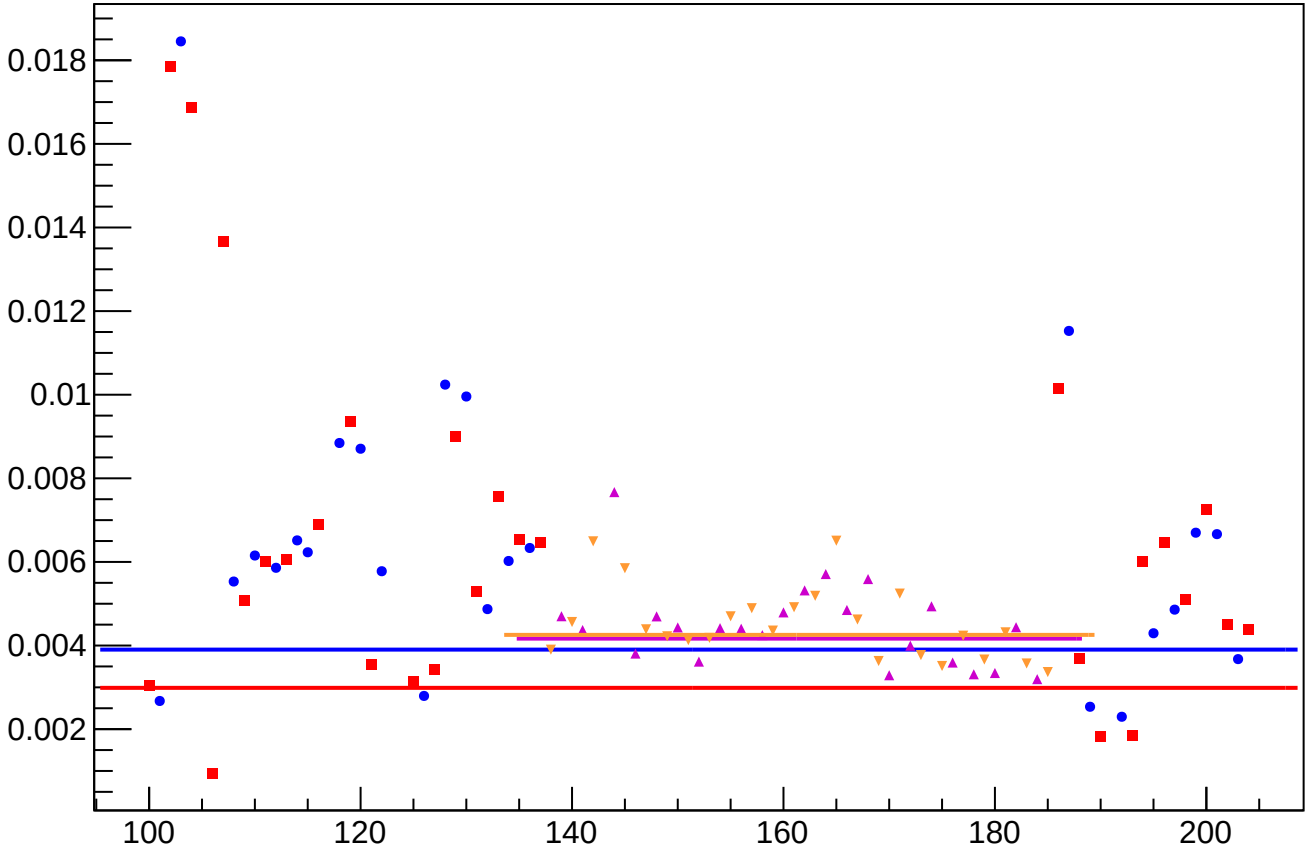
Right: -0.000+/-0.000 χ^2/NDF: 60.6/51

In: -0.000+/-0.000 χ^2/NDF:50.9/46

Out: -0.000+/-0.000 χ^2/NDF:69.1/51

All: -0.000+/-0.000 χ^2/NDF: 121.0/98

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 5102267.3/23

Left Out: 0.004+/-0.000 χ^2/NDF:833222.5/23

Right Out: 0.003+/-0.000 χ^2/NDF: 10022331.5/27

Left In: 0.004+/-0.000 χ^2/NDF:1277434.2/22

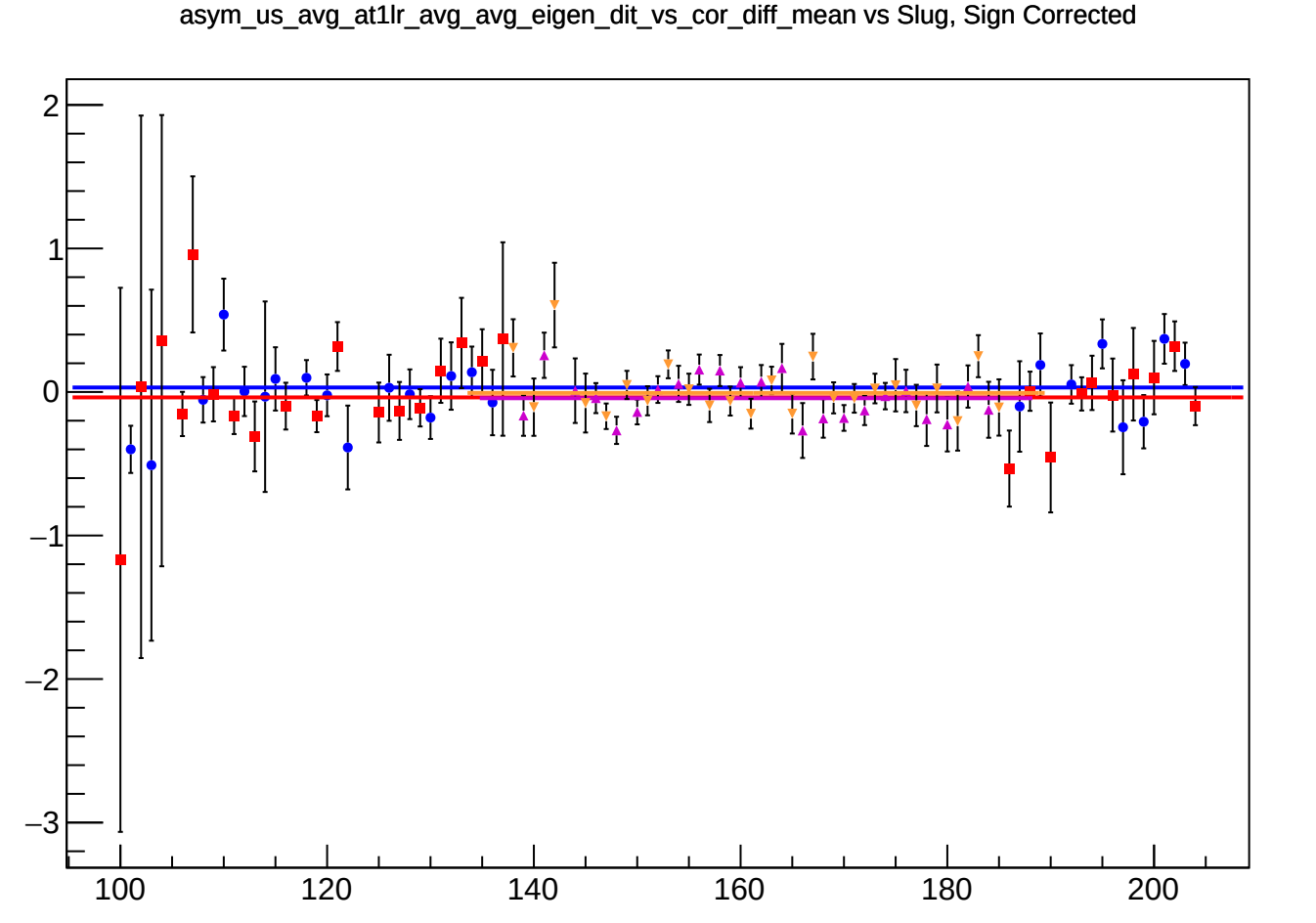
Left: 0.004+/-0.000 χ^2/NDF: 2118625.9/46

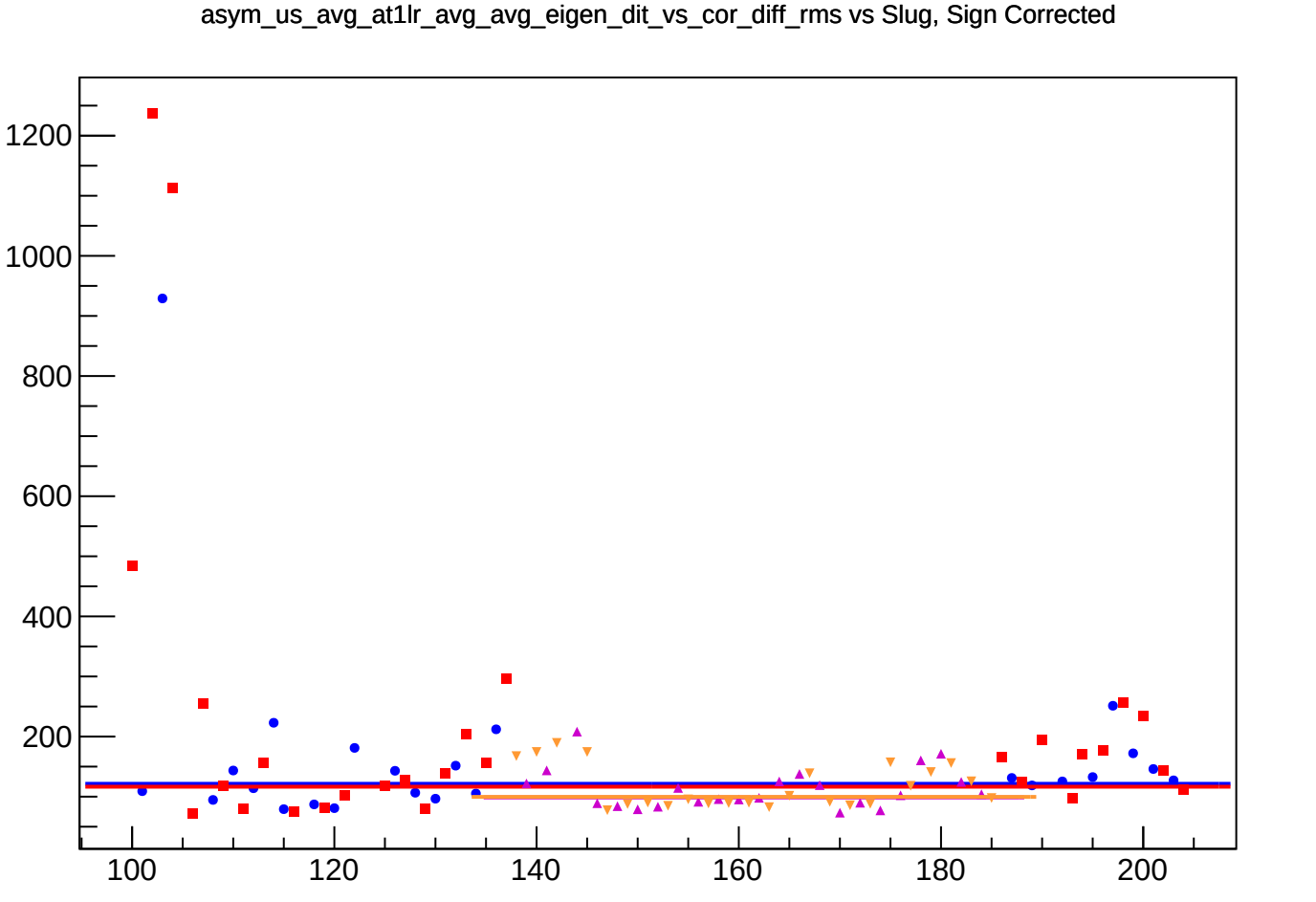
Right: 0.003+/-0.000 χ^2/NDF: 15790291.7/51

In: 0.004+/-0.000 χ^2/NDF:6434971.4/46

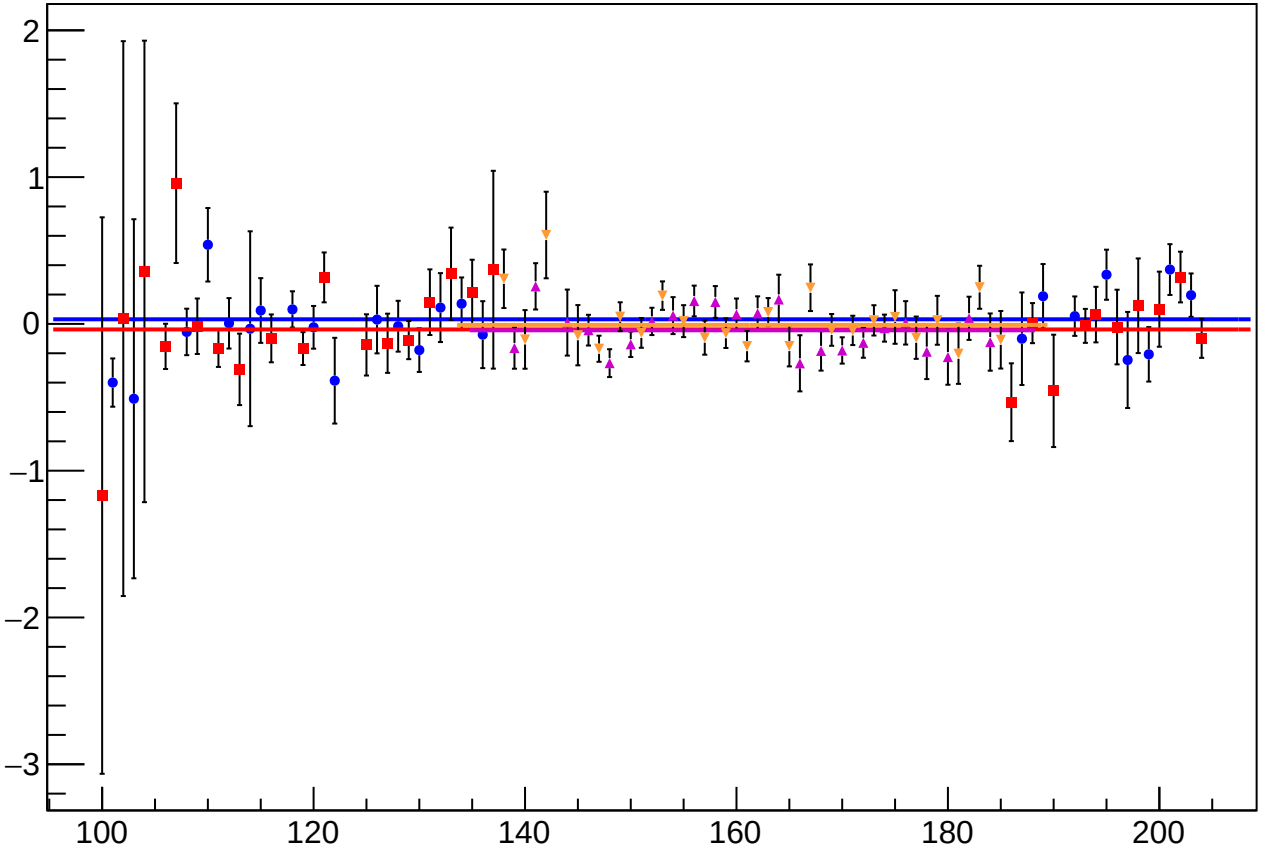
Out: 0.004+/-0.000 χ^2/NDF:12440475.1/51

All: 0.004+/-0.000 χ^2/NDF: 19237228.2/98


asym_us_avg_at1lr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
2
1
0
−1
−2
−3
100
120
140
160
180
200
Right In: 0.031+/-0.038 χ²/NDF: 28.1/23
Left Out: -0.007+/-0.025 χ²/NDF:27.7/23
Right Out: -0.038+/-0.036 χ²/NDF: 27.2/27
Left In: -0.044+/-0.025 χ²/NDF:30.3/22
Left: -0.025+/-0.018 χ²/NDF: 59.0/46
Right: -0.005+/-0.026 χ²/NDF: 57.0/51
In: -0.021+/-0.021 χ²/NDF:61.1/46
Out: -0.017+/-0.021 χ²/NDF:55.4/51
All: -0.019+/-0.015 χ²/NDF: 116.5/98


asym_us_avg_at1lr_avg_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected
1200
1000
800
600
400
200
100
120
140
160
180
200
Right In: 121.406+/-0.027 χ²/NDF: 2447277.1/23
Left Out: 99.590+/-0.018 χ²/NDF:2070951.9/23
Right Out: 116.540+/-0.025 χ²/NDF: 4344570.4/27
Left In: 98.669+/-0.018 χ²/NDF:2003332.7/22
Left: 99.125+/-0.013 χ²/NDF: 4075620.9/46
Right: 118.816+/-0.019 χ²/NDF: 6808957.2/51
In: 105.466+/-0.015 χ²/NDF:4942720.5/46
Out: 105.204+/-0.015 χ²/NDF:6712311.5/51
All: 105.333+/-0.010 χ²/NDF: 11655190.8/98

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.031+/-0.038 χ^2/NDF: 28.1/23

Left Out: -0.007+/-0.025 χ^2/NDF:27.7/23

Right Out: -0.038+/-0.036 χ^2/NDF: 27.2/27

Left In: -0.044+/-0.025 χ^2/NDF:30.3/22

Left: -0.025+/-0.018 χ^2/NDF: 59.0/46

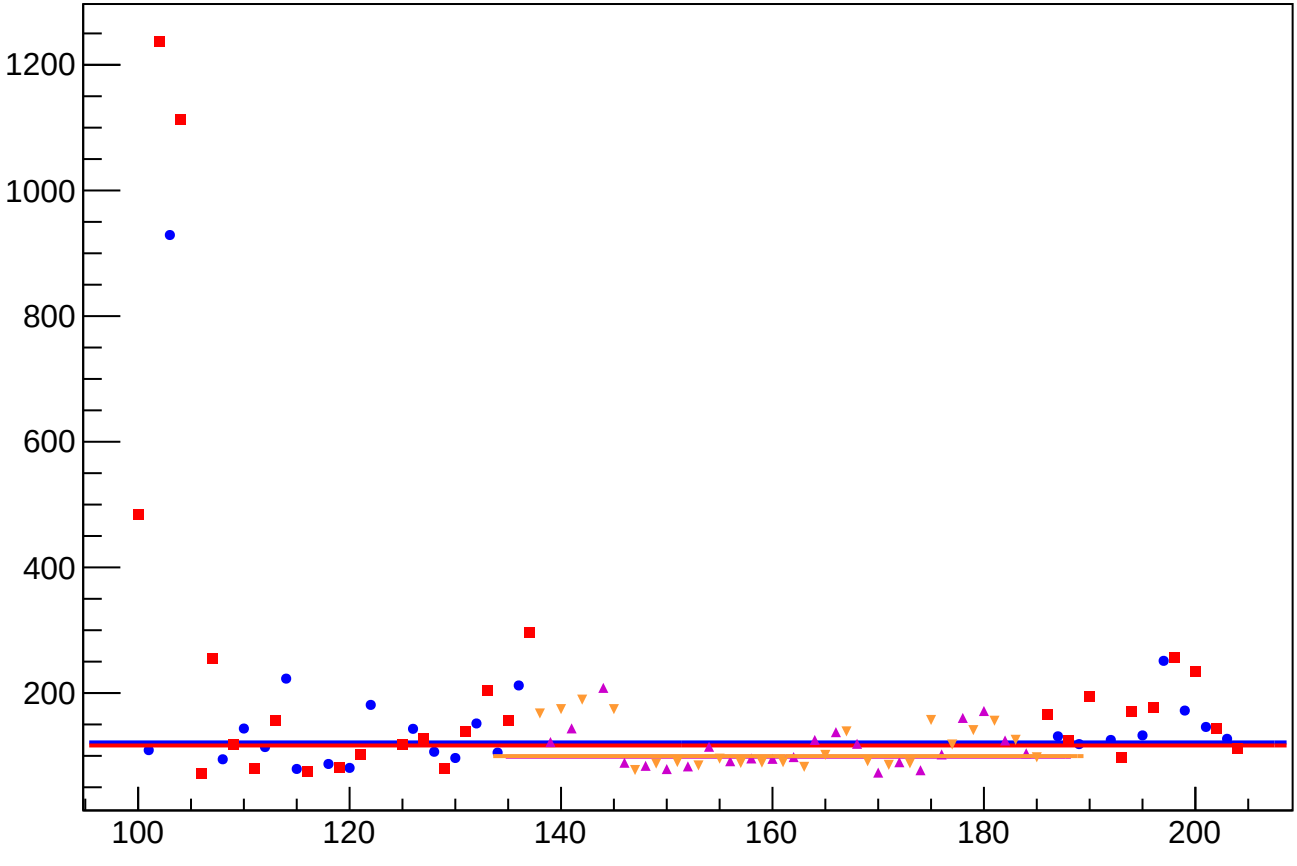
Right: -0.005+/-0.026 χ^2/NDF: 57.0/51

In: -0.021+/-0.021 χ^2/NDF:61.1/46

Out: -0.017+/-0.021 χ^2/NDF:55.4/51

All: -0.019+/-0.015 χ^2/NDF: 116.5/98

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 121.406+/-0.027 χ^2/NDF: 2447277.1/23

Left Out: 99.590+/-0.018 χ^2/NDF:2070951.9/23

Right Out: 116.540+/-0.025 χ^2/NDF: 4344570.4/27

Left In: 98.669+/-0.018 χ^2/NDF:2003332.7/22

Left: 99.125+/-0.013 χ^2/NDF: 4075620.9/46

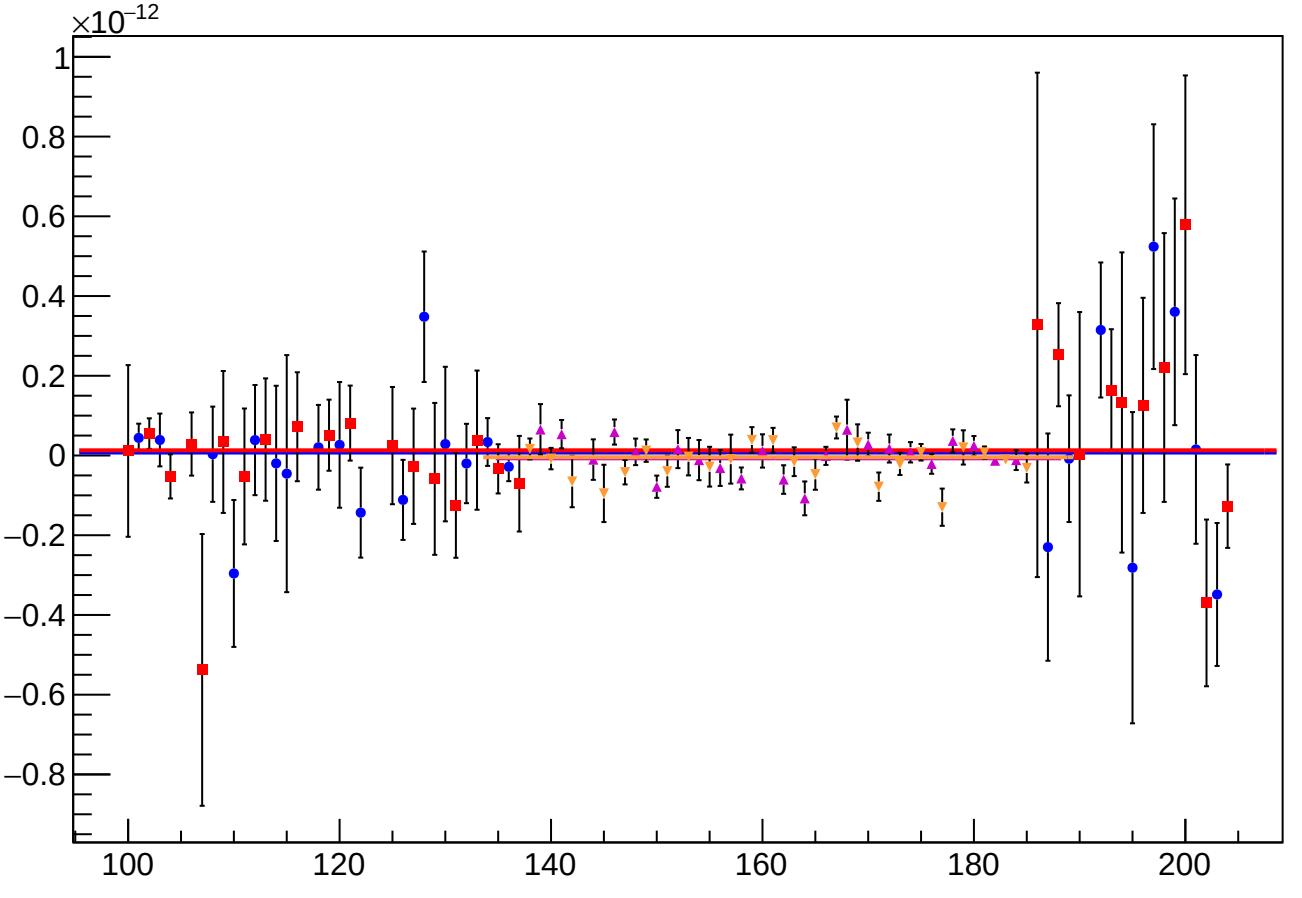
Right: 118.816+/-0.019 χ^2/NDF: 6808957.2/51

In: 105.466+/-0.015 χ^2/NDF:4942720.5/46

Out: 105.204+/-0.015 χ^2/NDF:6712311.5/51

All: 105.333+/-0.010 χ^2/NDF: 11655190.8/98

asym_us_avg_at1lr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 25.8/23

Left Out: -0.000+/-0.000 χ^2/NDF:32.9/23

Right Out: 0.000+/-0.000 χ^2/NDF: 21.5/27

Left In: -0.000+/-0.000 χ^2/NDF:35.2/22

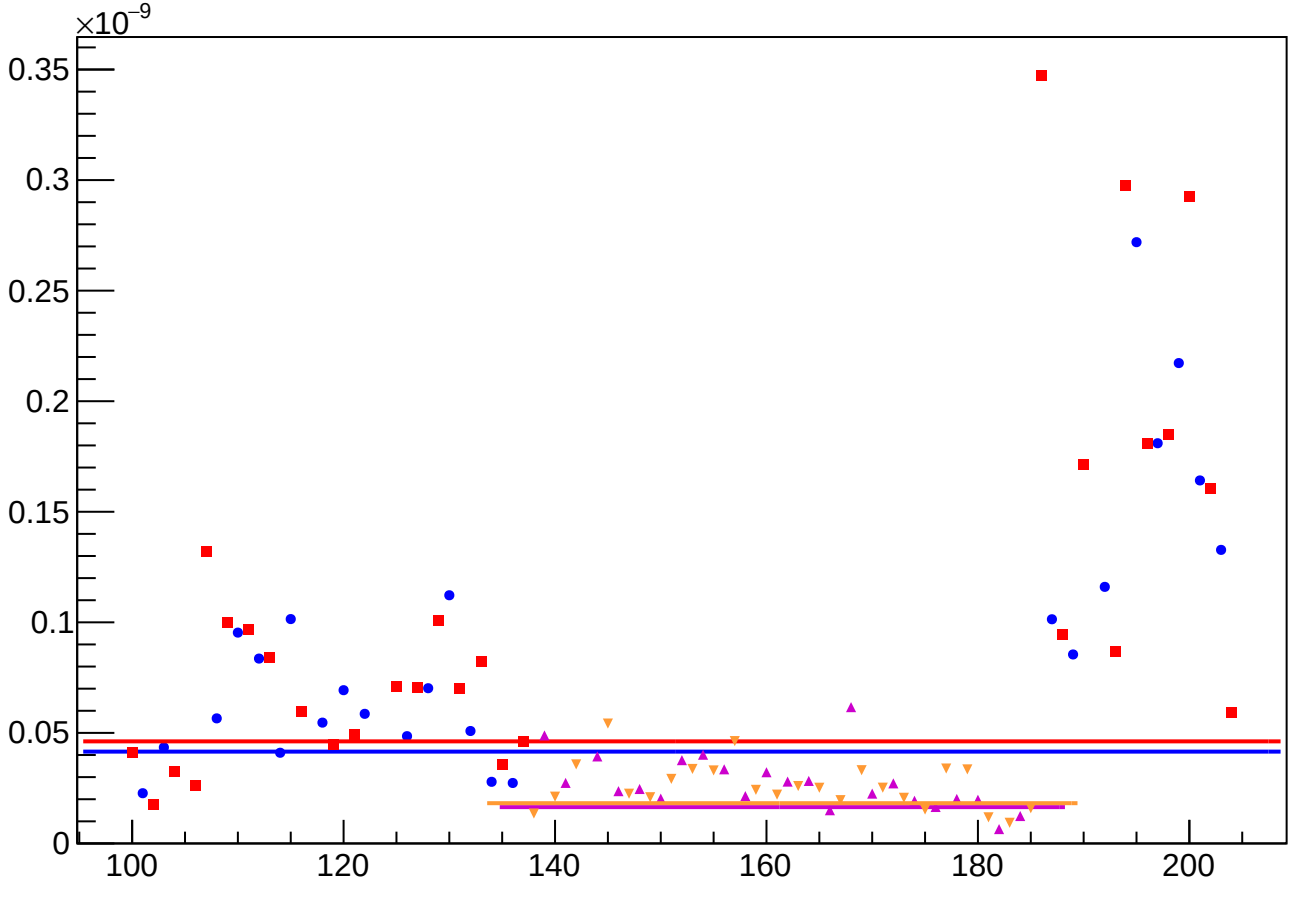
Left: -0.000+/-0.000 χ^2/NDF: 68.3/46

Right: 0.000+/-0.000 χ^2/NDF: 47.3/51

In: -0.000+/-0.000 χ^2/NDF:61.5/46

Out: -0.000+/-0.000 χ^2/NDF:55.1/51

All: -0.000+/-0.000 χ^2/NDF: 116.7/98



Right In: 0.000+/-0.000 χ^2/NDF: 5487105.2/23

Left Out: 0.000+/-0.000 χ^2/NDF:4306302.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 6802217.8/27

Left In: 0.000+/-0.000 χ^2/NDF:7007463.5/22

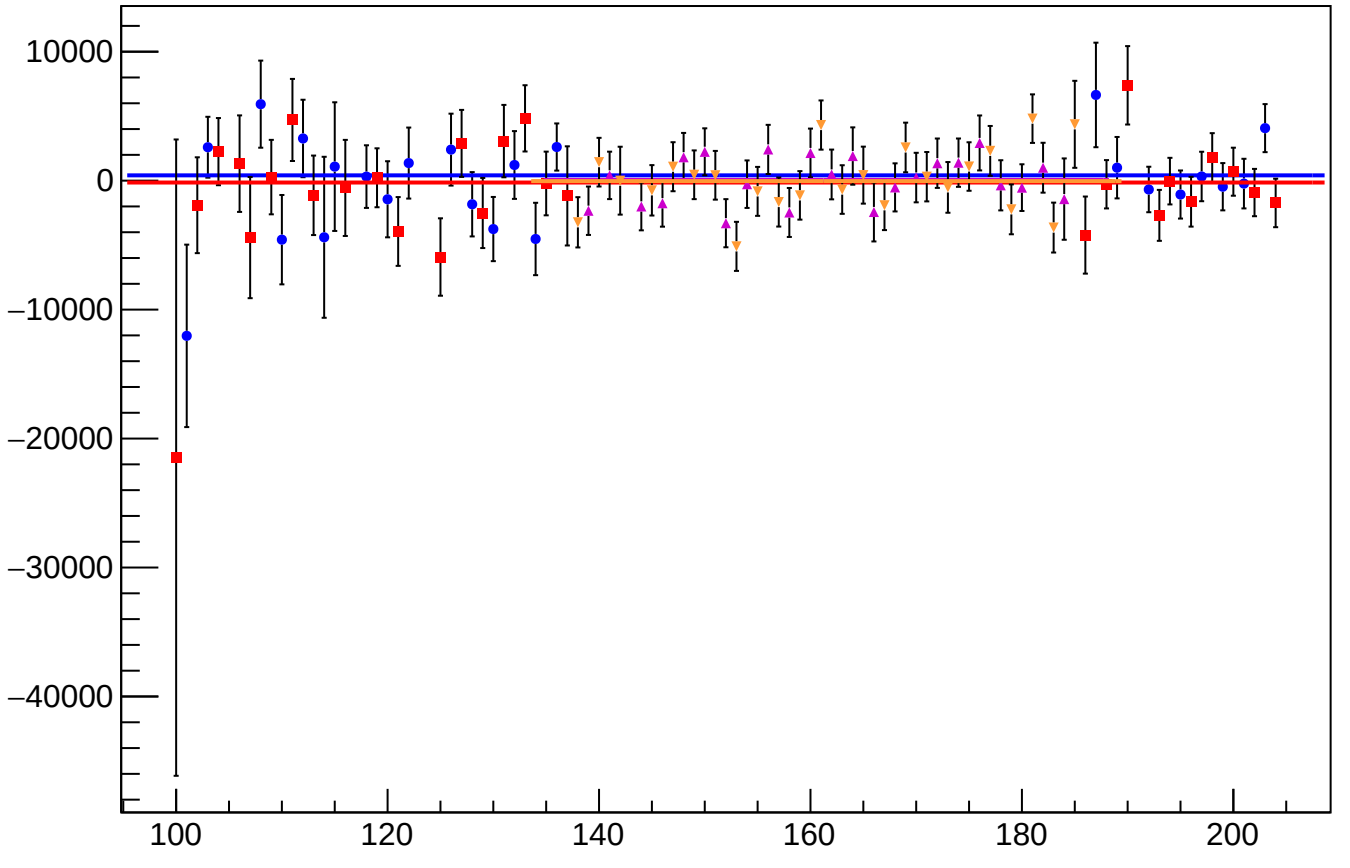
Left: 0.000+/-0.000 χ^2/NDF: 11414627.4/46

Right: 0.000+/-0.000 χ^2/NDF: 12345701.7/51

In: 0.000+/-0.000 χ^2/NDF:15844518.8/46

Out: 0.000+/-0.000 χ^2/NDF:14589196.1/51

All: 0.000+/-0.000 χ^2/NDF: 30558733.5/98



Right In: 410.746+/-502.570 χ^2/NDF: 27.1/23

Left Out: -34.799+/-401.970 χ^2/NDF:35.4/23

Right Out: -145.500+/-473.907 χ^2/NDF: 30.7/27

Left In: 52.796+/-404.703 χ^2/NDF:19.4/22

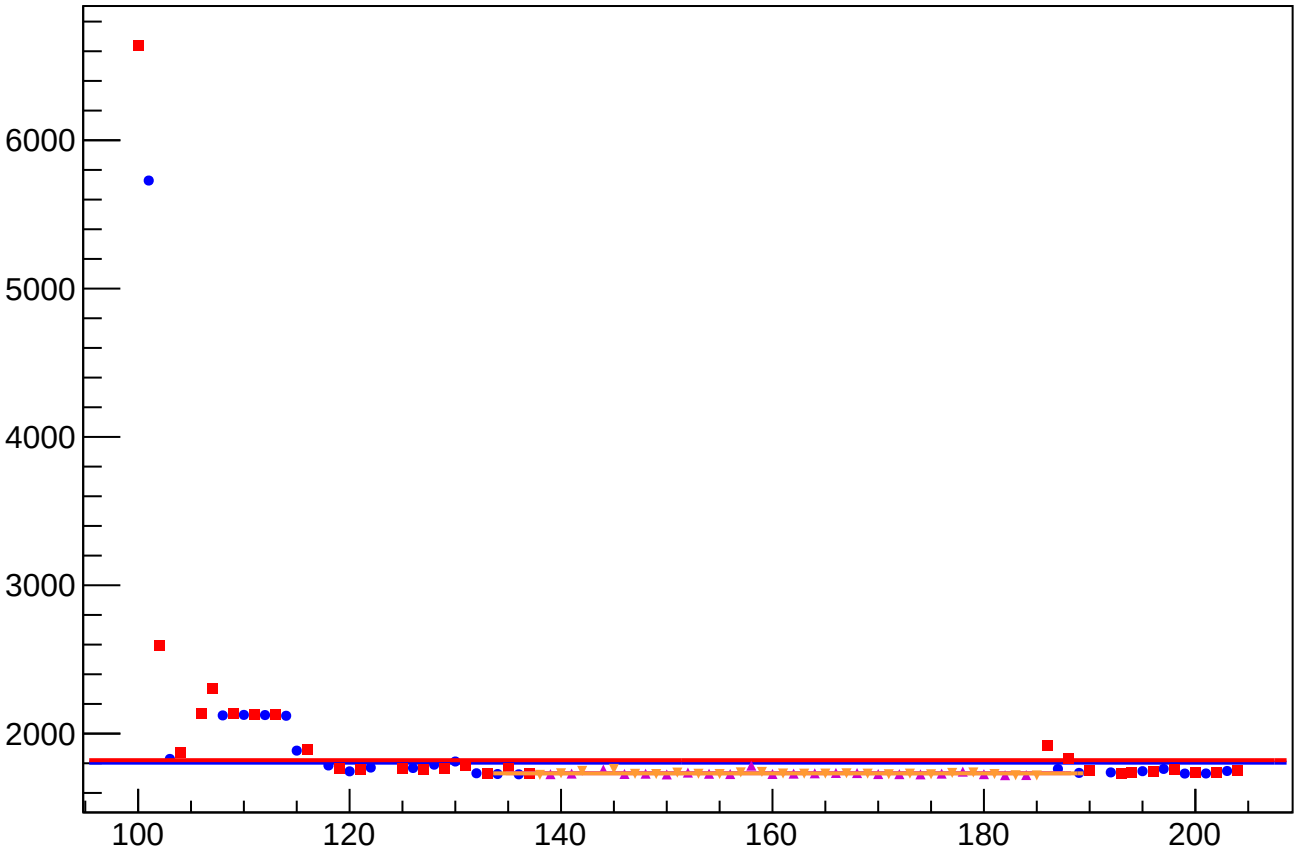
Left: 8.702+/-285.197 χ^2/NDF: 54.8/46

Right: 116.309+/-344.791 χ^2/NDF: 58.4/51

In: 193.603+/-315.208 χ^2/NDF:46.8/46

Out: -81.118+/-306.548 χ^2/NDF:66.1/51

All: 52.417+/-219.760 χ^2/NDF: 113.3/98



Right In: 1804.028+/-0.355 χ^2/NDF: 702962.9/23

Left Out: 1731.985+/-0.284 χ^2/NDF:937.2/23

Right Out: 1820.814+/-0.335 χ^2/NDF: 300647.9/27

Left In: 1733.315+/-0.286 χ^2/NDF:2230.5/22

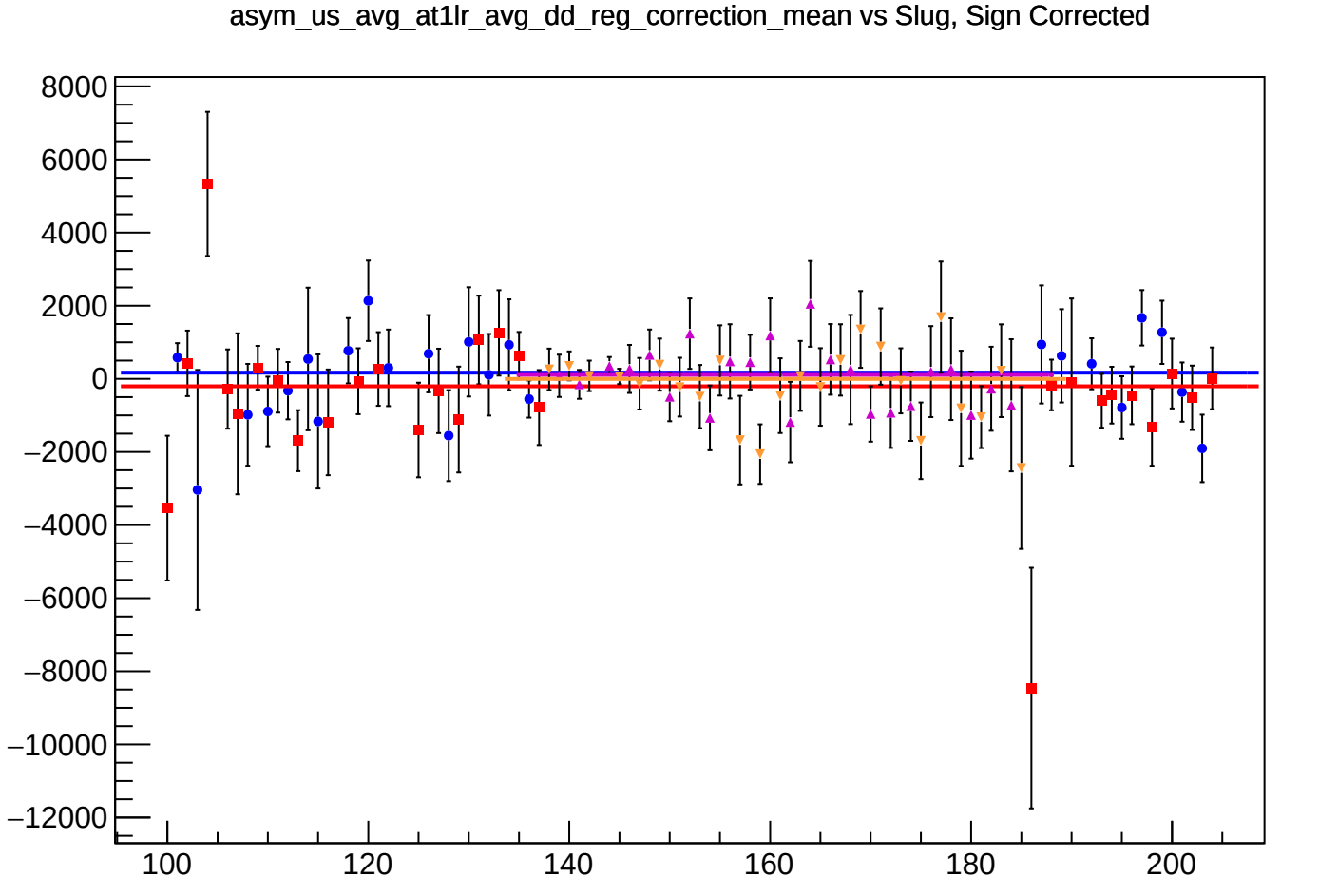
Left: 1732.646+/-0.202 χ^2/NDF: 3178.5/46

Right: 1812.914+/-0.244 χ^2/NDF: 1004791.9/51

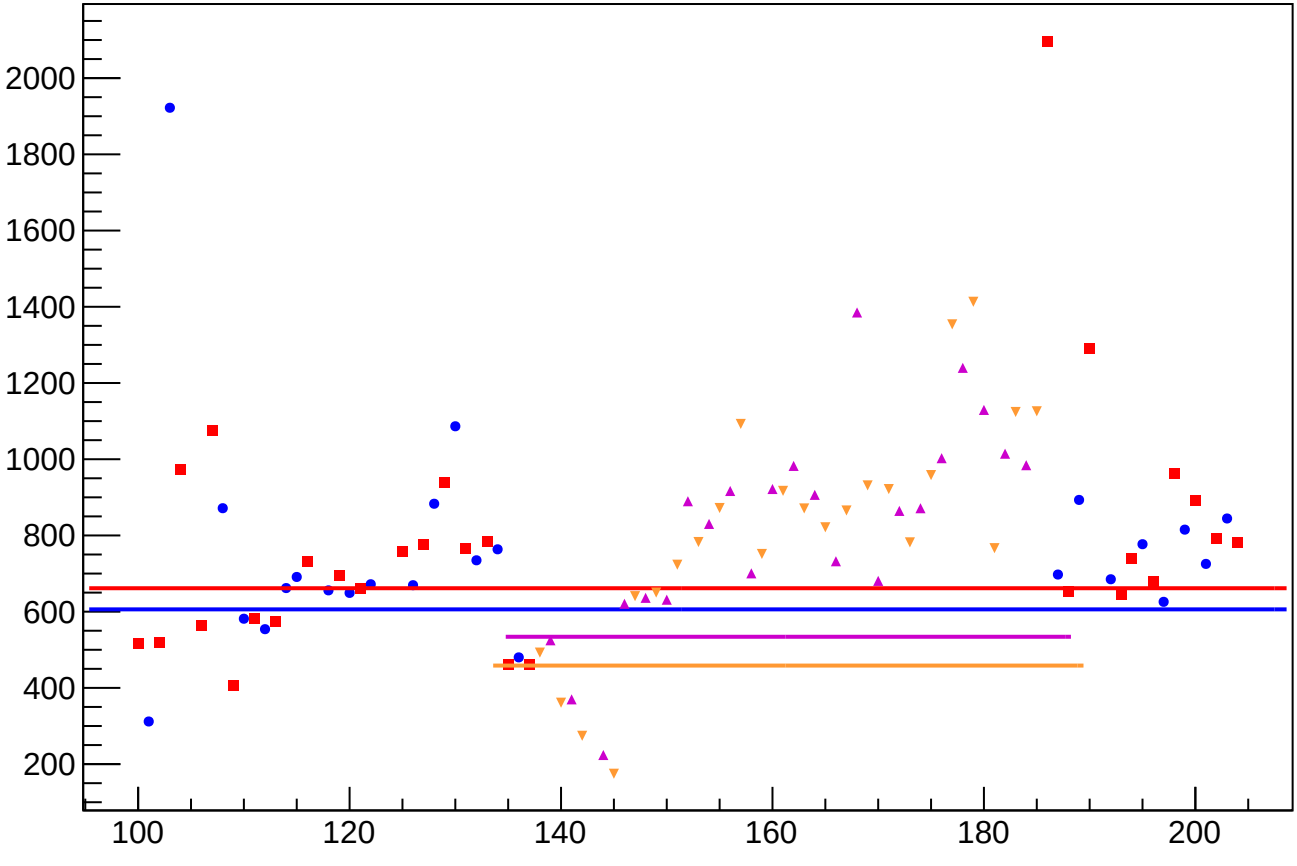
In: 1761.132+/-0.223 χ^2/NDF:729212.4/46

Out: 1769.153+/-0.217 χ^2/NDF:342451.5/51

All: 1765.254+/-0.155 χ^2/NDF: 1072329.5/98


asym_us_avg_at1lr_avg_dd_reg_correction_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
100
120
140
160
180
200
Right In: 169.666+/-180.069 χ²/NDF: 26.2/23
Left Out: -2.406+/-130.052 χ²/NDF:20.3/23
Right Out: -203.639+/-183.301 χ²/NDF: 30.1/27
Left In: 108.386+/-143.315 χ²/NDF:17.0/22
Left: 47.628+/-96.309 χ²/NDF: 37.6/46
Right: -13.666+/-128.456 χ²/NDF: 58.4/51
In: 132.150+/-112.135 χ²/NDF:43.3/46
Out: -69.786+/-106.067 χ²/NDF:51.2/51
All: 25.572+/-77.057 χ²/NDF: 96.2/98

asym_us_avg_at1lr_avg_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 606.050+/-0.127 χ^2/NDF: 2548811.1/23

Left Out: 458.579+/-0.092 χ^2/NDF:11426734.4/23

Right Out: 661.507+/-0.130 χ^2/NDF: 1929184.0/27

Left In: 534.161+/-0.101 χ^2/NDF:8443293.1/22

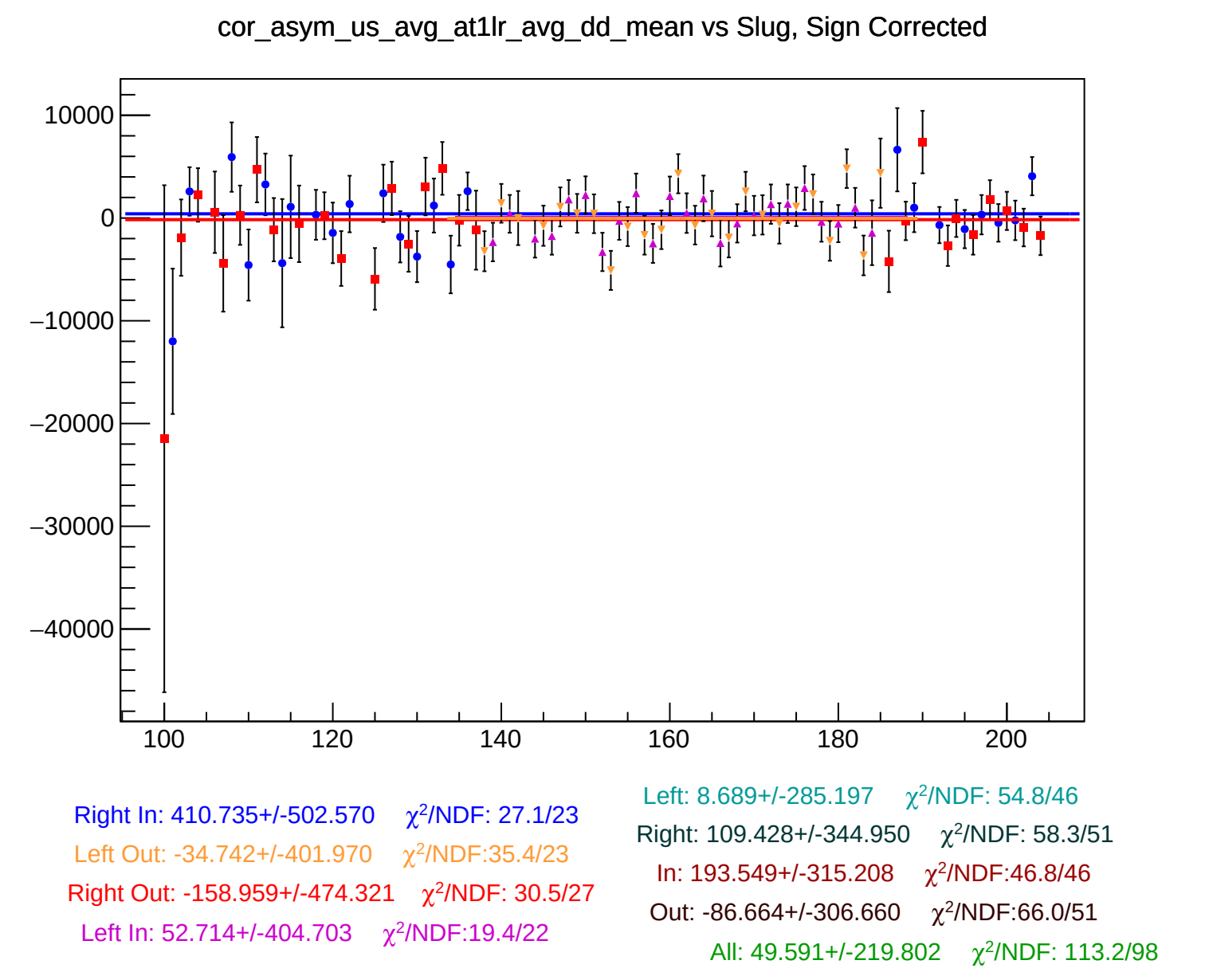
Left: 492.711+/-0.068 χ^2/NDF: 20175085.0/46

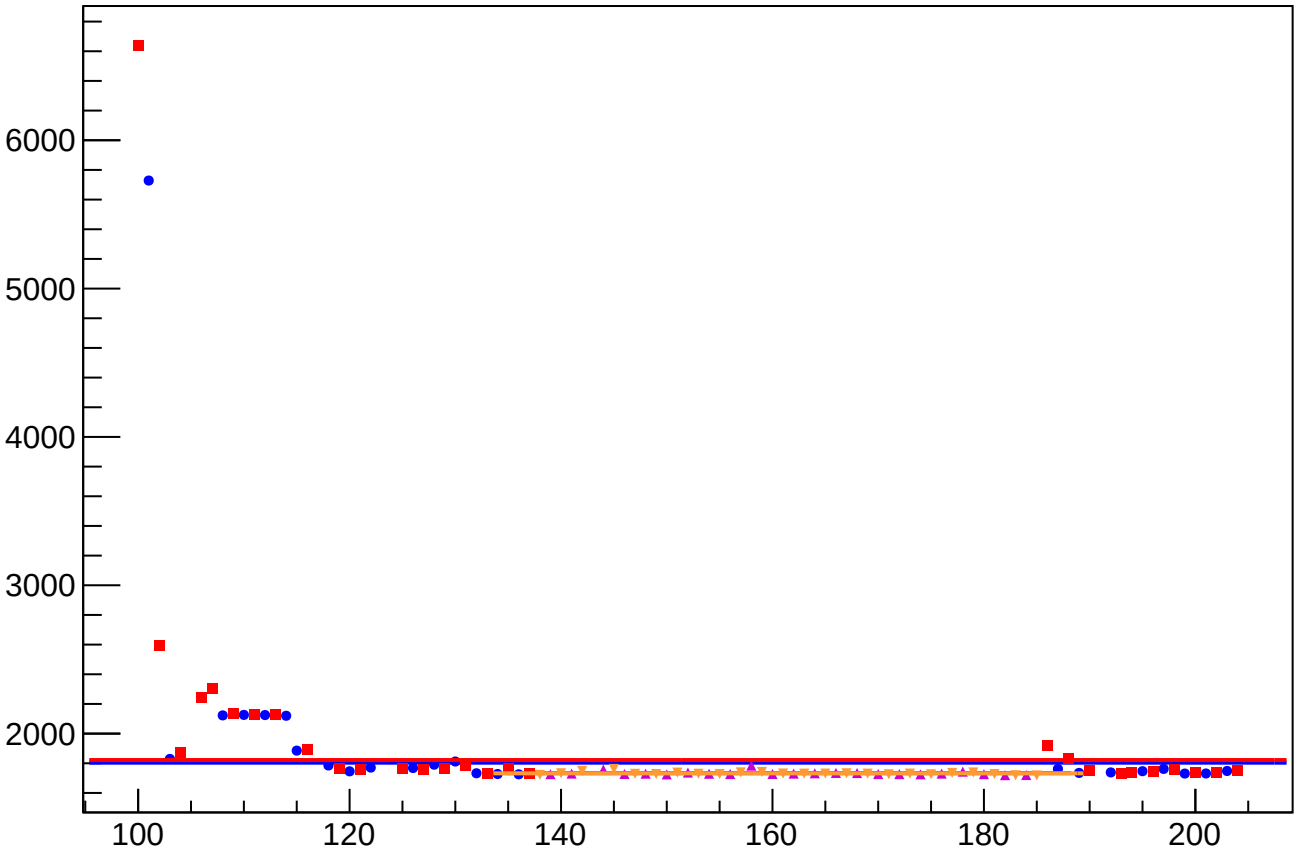
Right: 633.285+/-0.091 χ^2/NDF: 4571159.2/51

In: 562.039+/-0.079 χ^2/NDF:11187257.3/46

Out: 526.526+/-0.075 χ^2/NDF:14986391.0/51

All: 543.296+/-0.054 χ^2/NDF: 26279517.2/98


cor_asym_us_avg_at1lr_avg_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
Right In: 410.735+/-502.570 χ²/NDF: 27.1/23
Left Out: -34.742+/-401.970 χ²/NDF:35.4/23
Right Out: -158.959+/-474.321 χ²/NDF: 30.5/27
Left In: 52.714+/-404.703 χ²/NDF:19.4/22
Left: 8.689+/-285.197 χ²/NDF: 54.8/46
Right: 109.428+/-344.950 χ²/NDF: 58.3/51
In: 193.549+/-315.208 χ²/NDF:46.8/46
Out: -86.664+/-306.660 χ²/NDF:66.0/51
All: 49.591+/-219.802 χ²/NDF: 113.2/98



Right In: 1804.028+/-0.355 χ^2/NDF: 702962.8/23

Left Out: 1731.985+/-0.284 χ^2/NDF:937.2/23

Right Out: 1821.766+/-0.335 χ^2/NDF: 308938.1/27

Left In: 1733.315+/-0.286 χ^2/NDF:2230.5/22

Left: 1732.646+/-0.202 χ^2/NDF: 3178.5/46

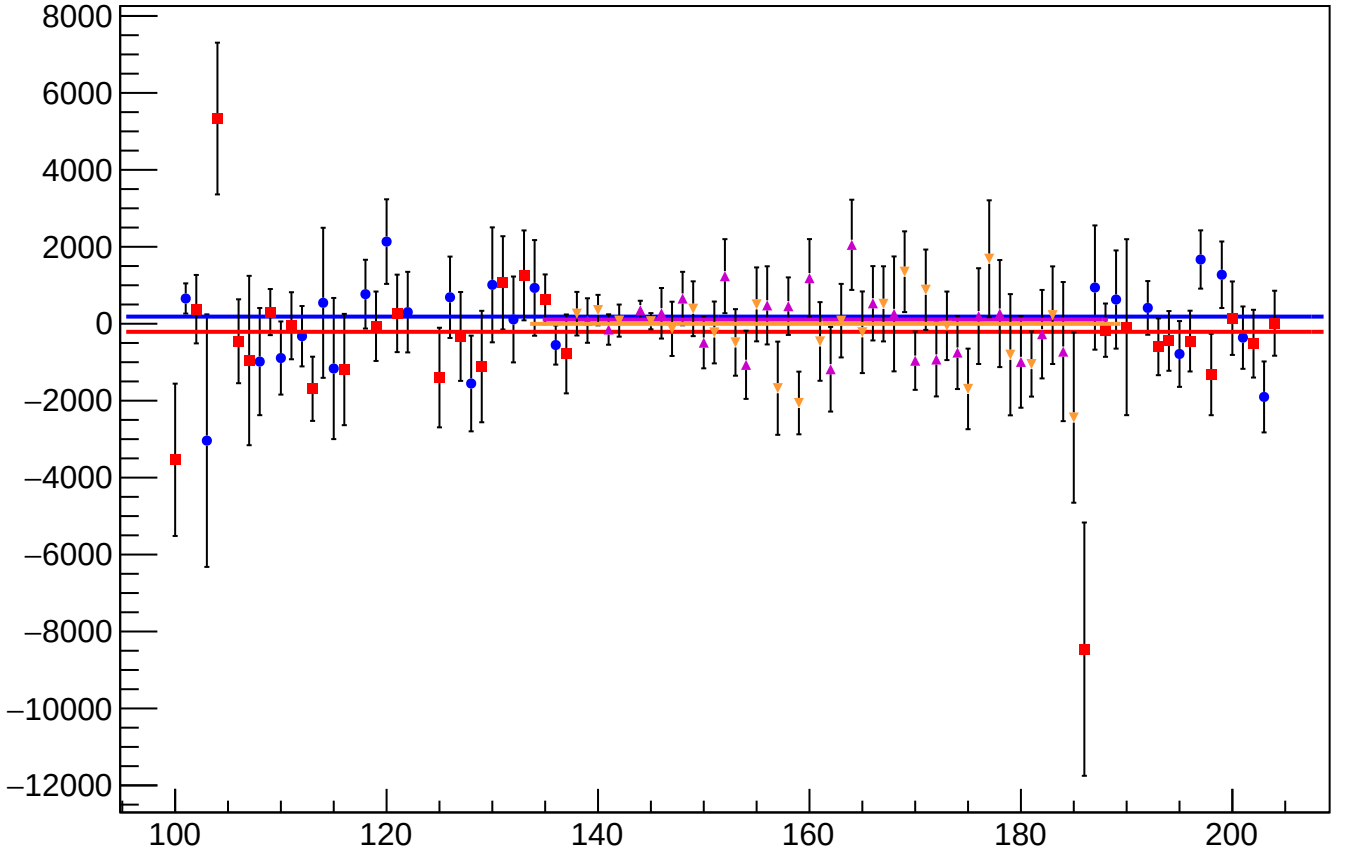
Right: 1813.410+/-0.244 χ^2/NDF: 1013218.7/51

In: 1761.132+/-0.223 χ^2/NDF:729212.2/46

Out: 1769.513+/-0.217 χ^2/NDF:351579.9/51

All: 1765.438+/-0.155 χ^2/NDF: 1081518.6/98

asym_us_avg_at1lr_avg_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: 185.271+/-180.027 χ^2/NDF: 26.7/23

Left Out: -2.529+/-130.054 χ^2/NDF:20.3/23

Right Out: -210.095+/-183.276 χ^2/NDF: 30.1/27

Left In: 108.358+/-143.315 χ^2/NDF:17.0/22

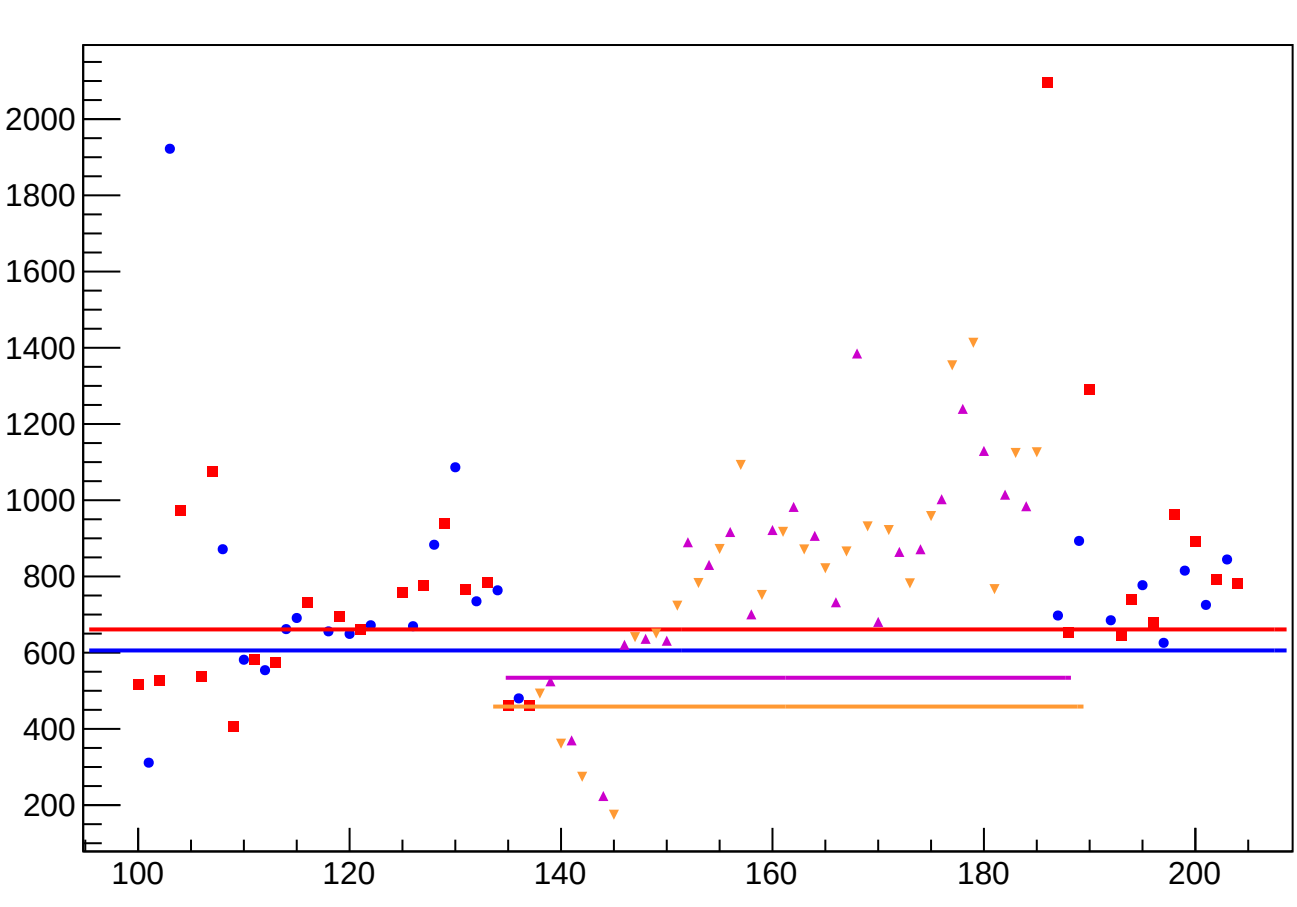
Left: 47.548+/-96.310 χ^2/NDF: 37.6/46

Right: -8.877+/-128.432 χ^2/NDF: 59.1/51

In: 138.193+/-112.125 χ^2/NDF:43.8/46

Out: -72.044+/-106.063 χ^2/NDF:51.2/51

All: 27.239+/-77.052 χ^2/NDF: 96.8/98



Right In: 605.810+/-0.127 χ^2/NDF: 2555045.2/23

Left Out: 458.589+/-0.092 χ^2/NDF:11426319.1/23

Right Out: 660.979+/-0.130 χ^2/NDF: 1934914.3/27

Left In: 534.168+/-0.101 χ^2/NDF:8442812.5/22

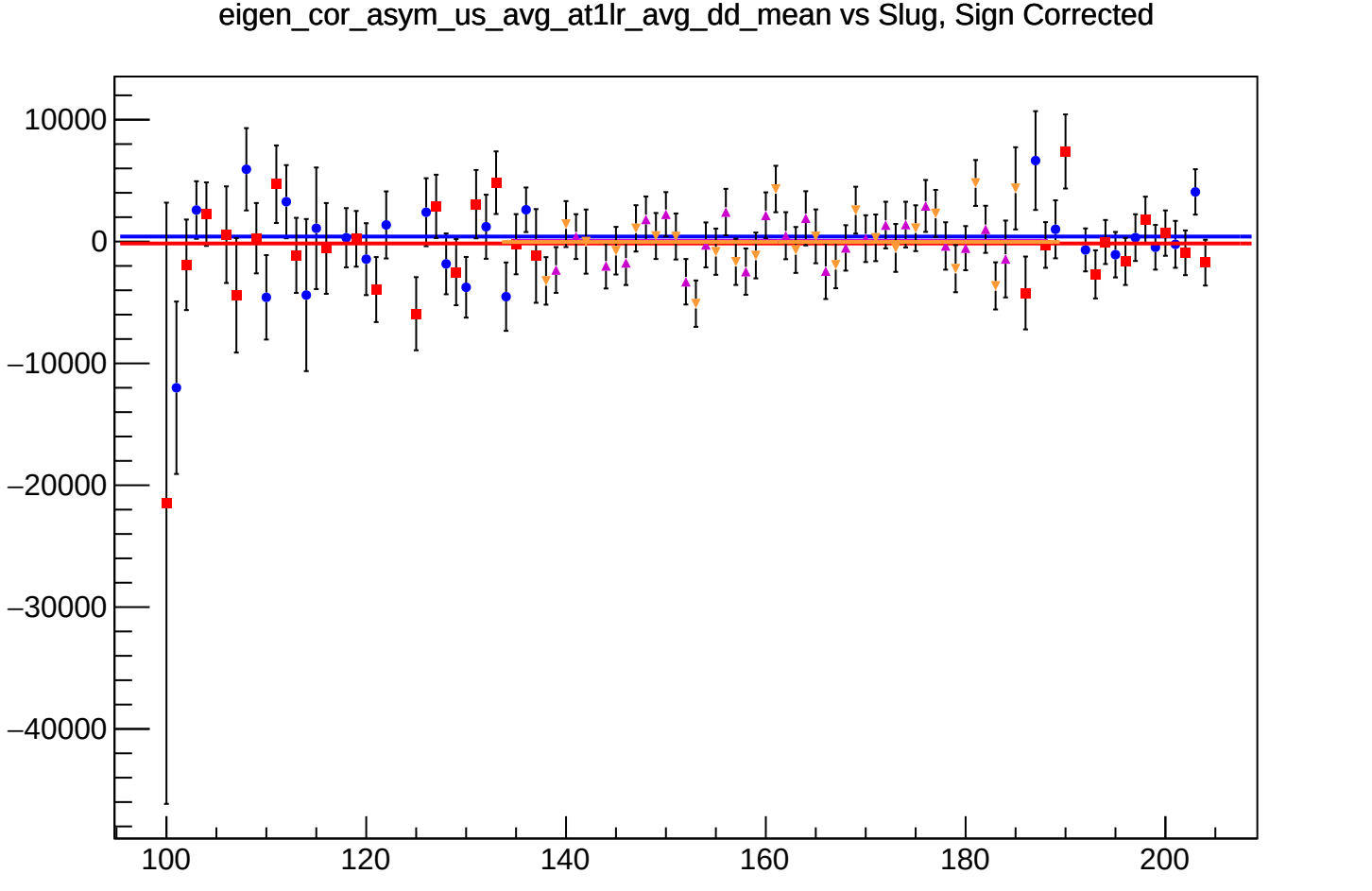
Left: 492.721+/-0.068 χ^2/NDF: 20174164.1/46

Right: 632.901+/-0.091 χ^2/NDF: 4582189.9/51

In: 561.959+/-0.079 χ^2/NDF:11191724.7/46

Out: 526.370+/-0.075 χ^2/NDF:14983346.4/51

All: 543.177+/-0.054 χ^2/NDF: 26281407.4/98



Right In: 410.735+/-502.570 χ^2/NDF: 27.1/23

Left Out: -34.742+/-401.970 χ^2/NDF:35.4/23

Right Out: -158.959+/-474.321 χ^2/NDF: 30.5/27

Left In: 52.714+/-404.703 χ^2/NDF:19.4/22

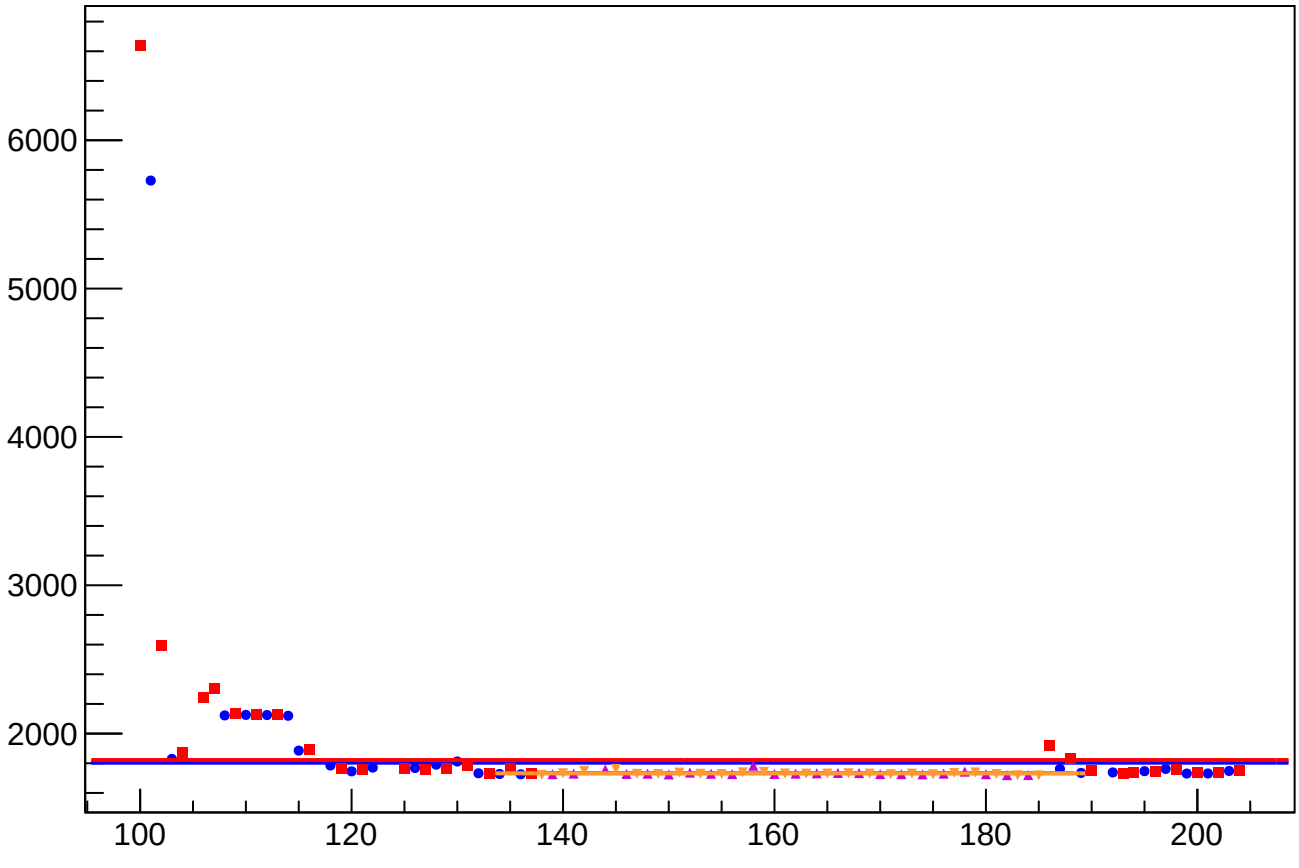
Left: 8.689+/-285.197 χ^2/NDF: 54.8/46

Right: 109.428+/-344.950 χ^2/NDF: 58.3/51

In: 193.549+/-315.208 χ^2/NDF:46.8/46

Out: -86.664+/-306.660 χ^2/NDF:66.0/51

All: 49.591+/-219.802 χ^2/NDF: 113.2/98



Right In: 1804.028+/-0.355 χ^2/NDF: 702962.8/23

Left Out: 1731.985+/-0.284 χ^2/NDF:937.2/23

Right Out: 1821.766+/-0.335 χ^2/NDF: 308938.1/27

Left In: 1733.315+/-0.286 χ^2/NDF:2230.5/22

Left: 1732.646+/-0.202 χ^2/NDF: 3178.5/46

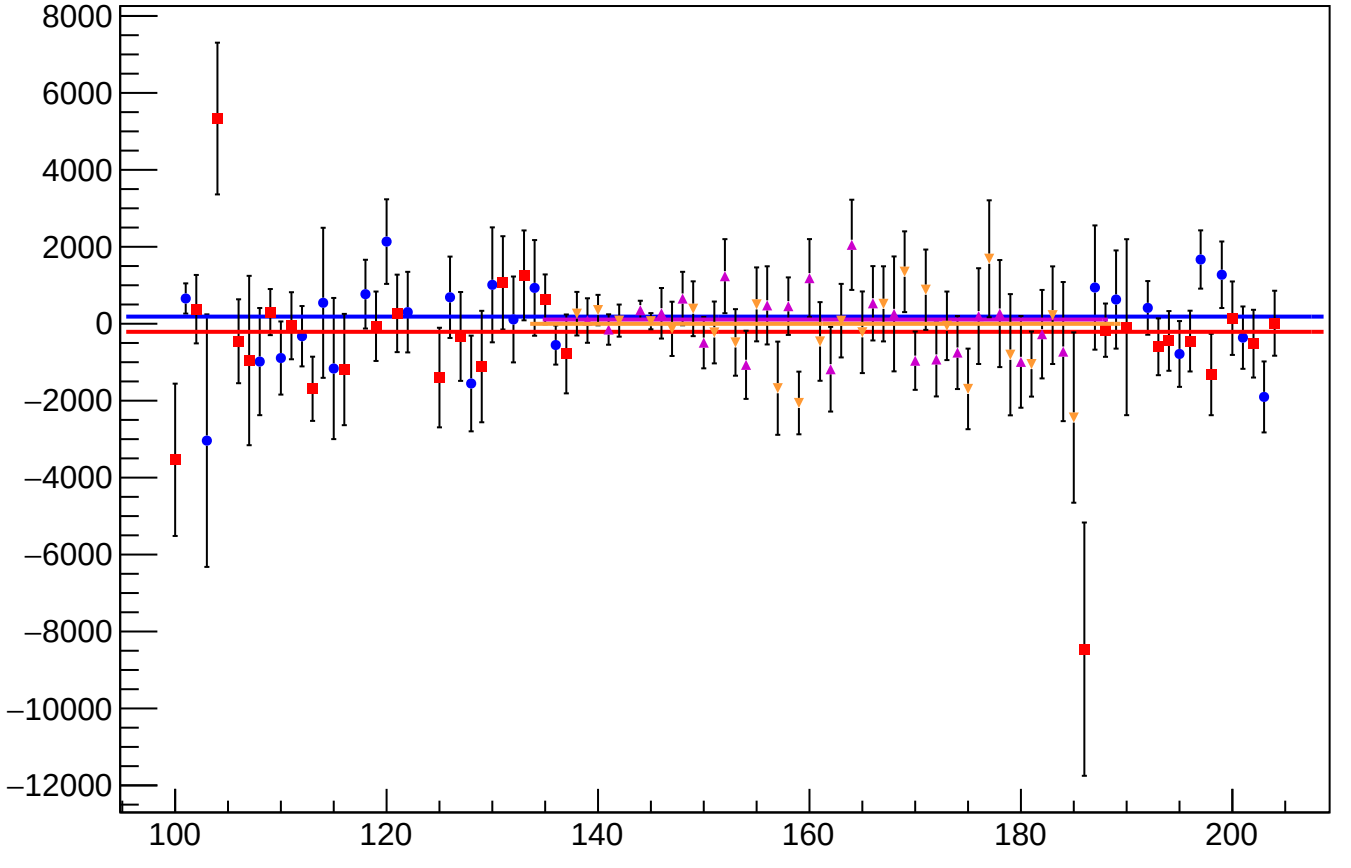
Right: 1813.410+/-0.244 χ^2/NDF: 1013218.7/51

In: 1761.132+/-0.223 χ^2/NDF:729212.2/46

Out: 1769.513+/-0.217 χ^2/NDF:351579.9/51

All: 1765.438+/-0.155 χ^2/NDF: 1081518.6/98

asym_us_avg_at1lr_avg_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 185.271+/-180.027 χ^2/NDF: 26.7/23

Left Out: -2.529+/-130.054 χ^2/NDF:20.3/23

Right Out: -210.095+/-183.276 χ^2/NDF: 30.1/27

Left In: 108.358+/-143.315 χ^2/NDF:17.0/22

Left: 47.548+/-96.310 χ^2/NDF: 37.6/46

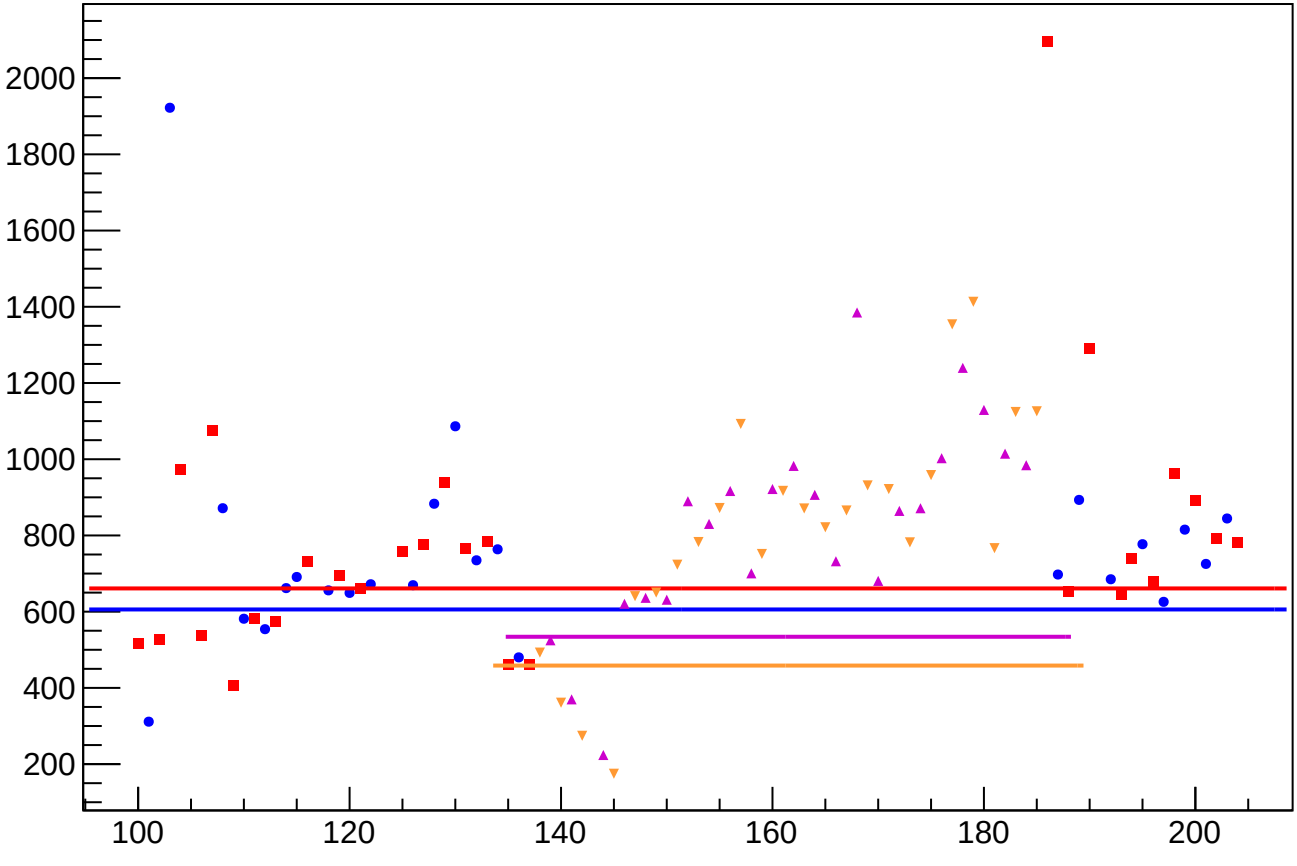
Right: -8.877+/-128.432 χ^2/NDF: 59.1/51

In: 138.193+/-112.125 χ^2/NDF:43.8/46

Out: -72.044+/-106.063 χ^2/NDF:51.2/51

All: 27.239+/-77.052 χ^2/NDF: 96.8/98

asym_us_avg_at1lr_avg_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 605.810+/-0.127 χ^2/NDF: 2555045.2/23

Left Out: 458.589+/-0.092 χ^2/NDF:11426319.1/23

Right Out: 660.979+/-0.130 χ^2/NDF: 1934914.3/27

Left In: 534.168+/-0.101 χ^2/NDF:8442812.5/22

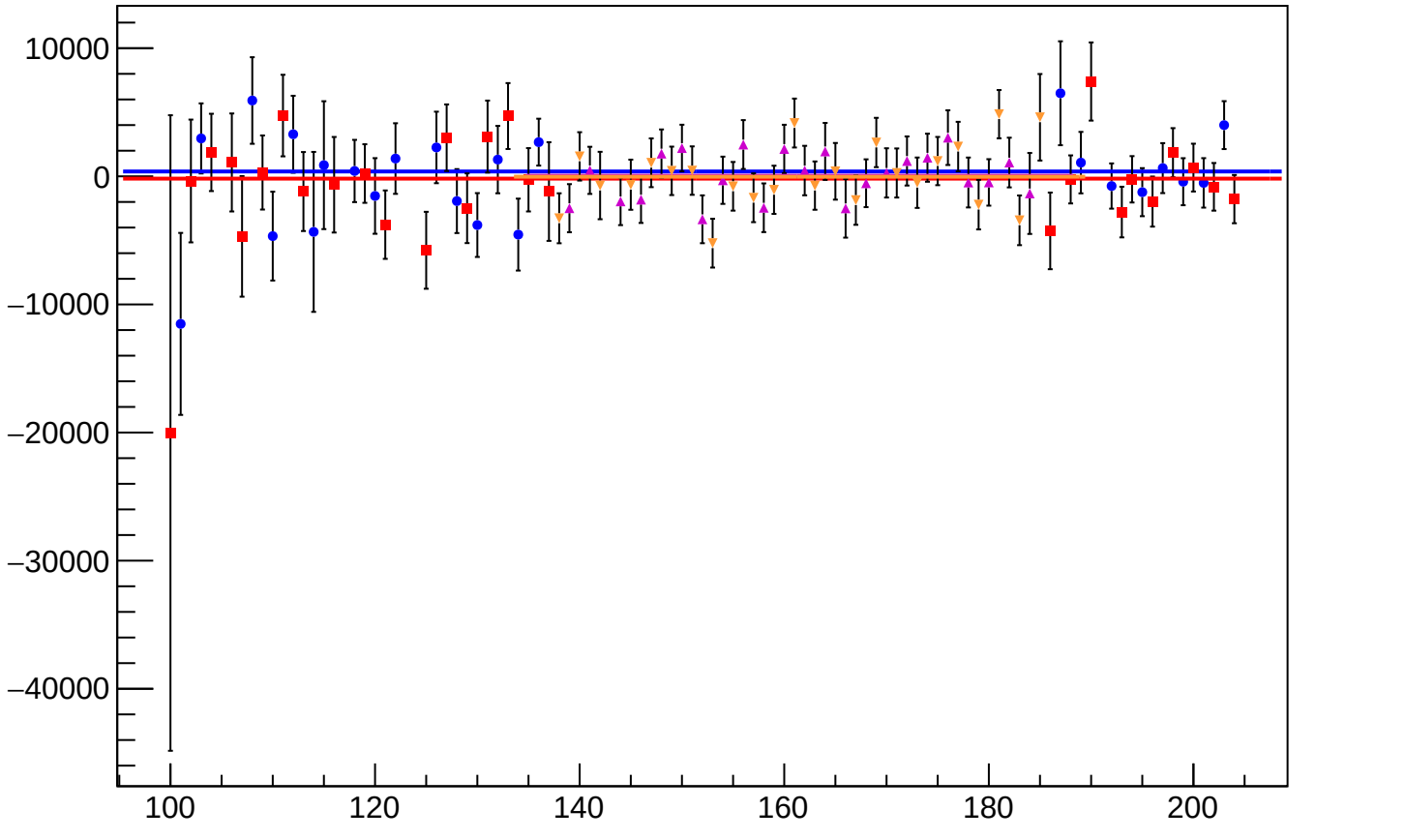
Left: 492.721+/-0.068 χ^2/NDF: 20174164.1/46

Right: 632.901+/-0.091 χ^2/NDF: 4582189.9/51

In: 561.959+/-0.079 χ^2/NDF:11191724.7/46

Out: 526.370+/-0.075 χ^2/NDF:14983346.4/51

All: 543.177+/-0.054 χ^2/NDF: 26281407.4/98



Right In: 378.618+/-507.013 χ^2/NDF: 27.1/23

Left Out: -29.389+/-402.317 χ^2/NDF:35.4/23

Right Out: -179.480+/-479.194 χ^2/NDF: 30.0/27

Left In: 42.465+/-405.052 χ^2/NDF:19.9/22

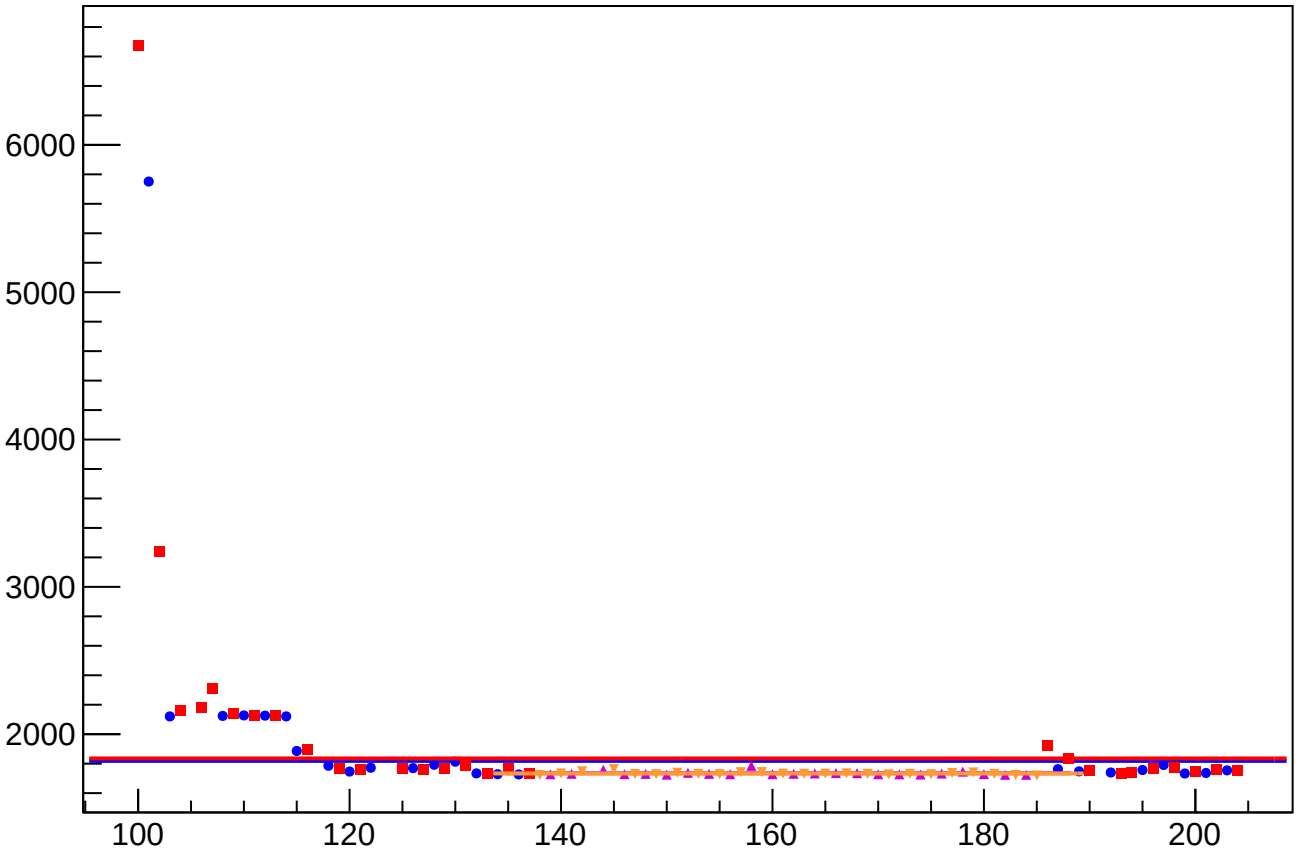
Left: 6.295+/-285.443 χ^2/NDF: 55.3/46

Right: 83.839+/-348.261 χ^2/NDF: 57.8/51

In: 173.426+/-316.462 χ^2/NDF:47.3/46

Out: -91.444+/-308.121 χ^2/NDF:65.5/51

All: 37.455+/-220.765 χ^2/NDF: 113.2/98



Right In: 1819.083+/-0.359 χ^2/NDF: 726608.0/23

Left Out: 1733.478+/-0.284 χ^2/NDF:901.3/23

Right Out: 1835.367+/-0.339 χ^2/NDF: 409633.6/27

Left In: 1734.810+/-0.286 χ^2/NDF:2175.7/22

Left: 1734.140+/-0.202 χ^2/NDF: 3087.9/46

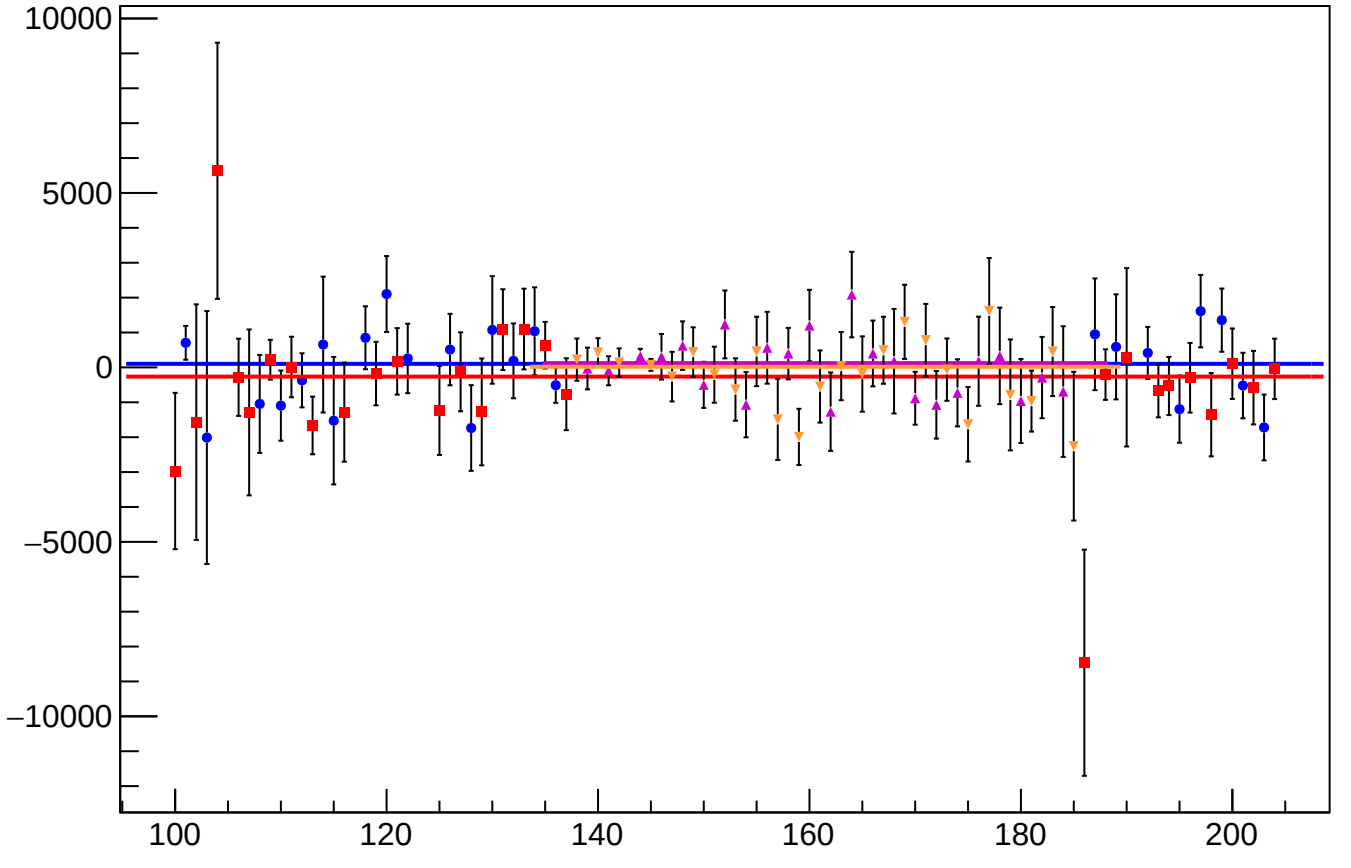
Right: 1827.684+/-0.246 χ^2/NDF: 1137331.2/51

In: 1767.642+/-0.224 χ^2/NDF:762511.9/46

Out: 1775.604+/-0.218 χ^2/NDF:463570.4/51

All: 1771.729+/-0.156 χ^2/NDF: 1226732.3/98

asym_us_avg_at1lr_avg_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 102.076+/-193.389 χ^2/NDF: 24.7/23

Left Out: 18.027+/-119.333 χ^2/NDF:19.4/23

Right Out: -263.470+/-193.182 χ^2/NDF: 22.6/27

Left In: 121.705+/-137.150 χ^2/NDF:16.5/22

Left: 62.699+/-90.026 χ^2/NDF: 36.2/46

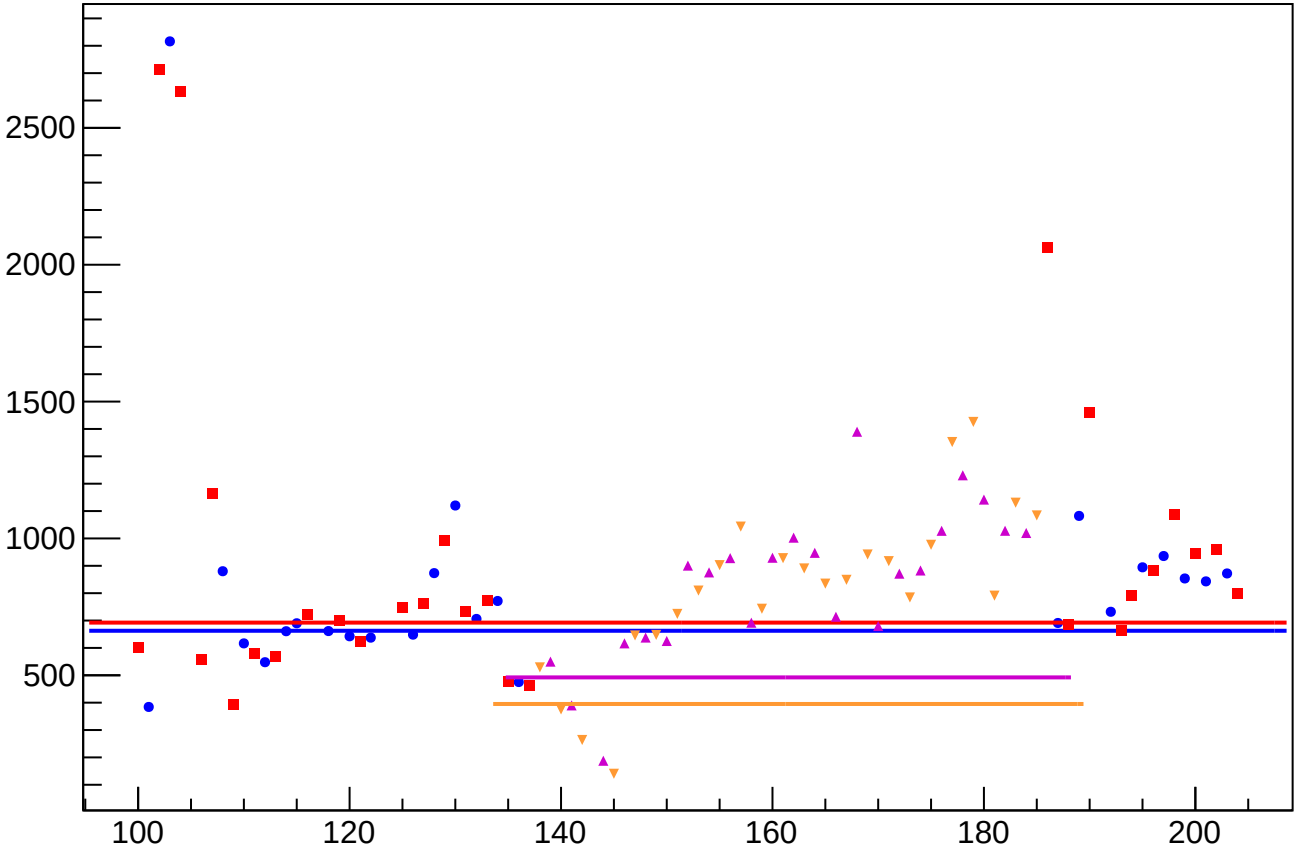
Right: -80.893+/-136.674 χ^2/NDF: 49.1/51

In: 115.137+/-111.872 χ^2/NDF:41.2/46

Out: -59.720+/-101.525 χ^2/NDF:43.6/51

All: 19.249+/-75.182 χ^2/NDF: 86.1/98

asym_us_avg_at1lr_avg_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 662.667+/-0.137 χ^2/NDF: 2684261.3/23

Left Out: 395.188+/-0.084 χ^2/NDF:14334419.9/23

Right Out: 692.476+/-0.137 χ^2/NDF: 3588425.4/27

Left In: 492.294+/-0.097 χ^2/NDF:10419498.8/22

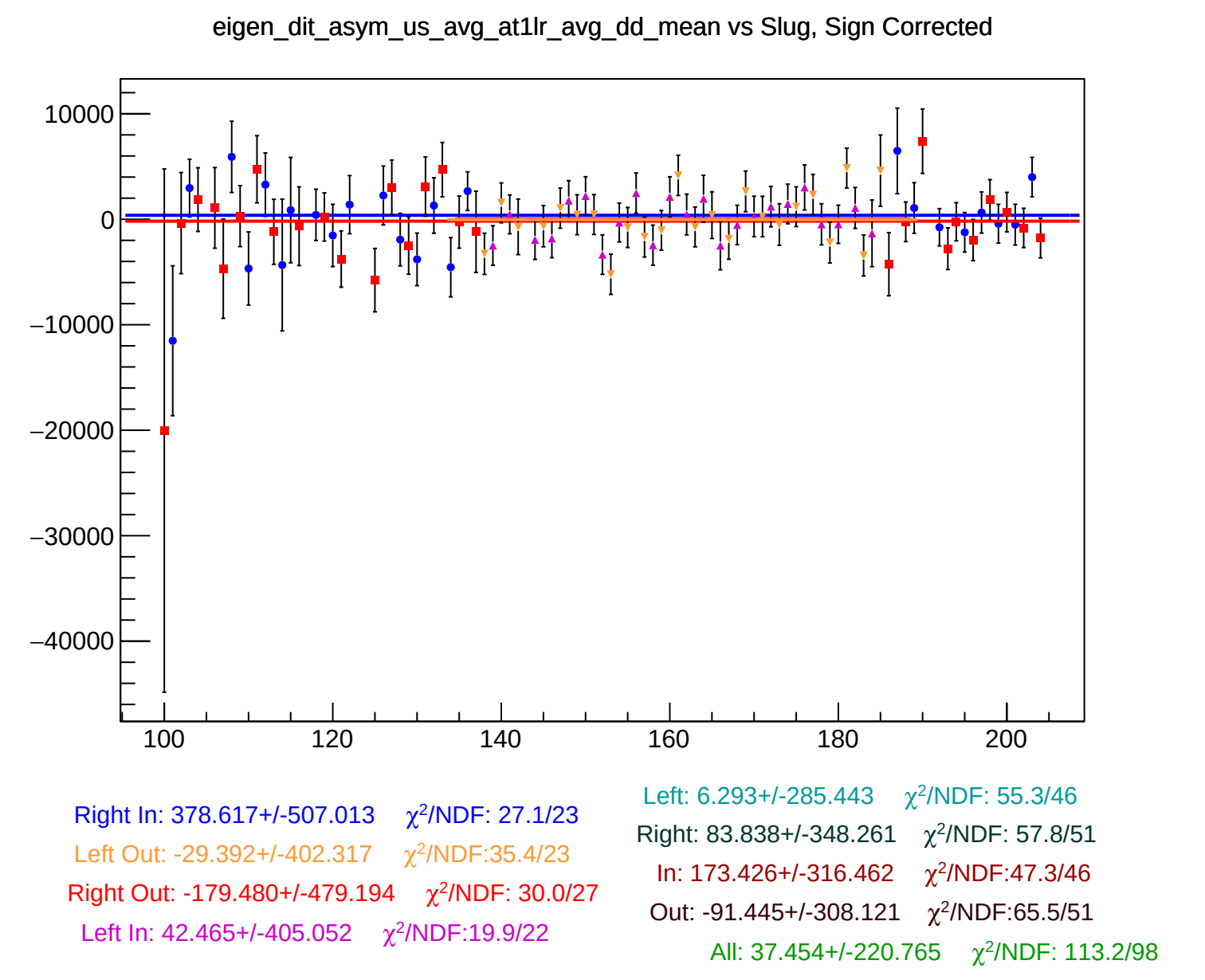
Left: 437.028+/-0.064 χ^2/NDF: 25324537.7/46

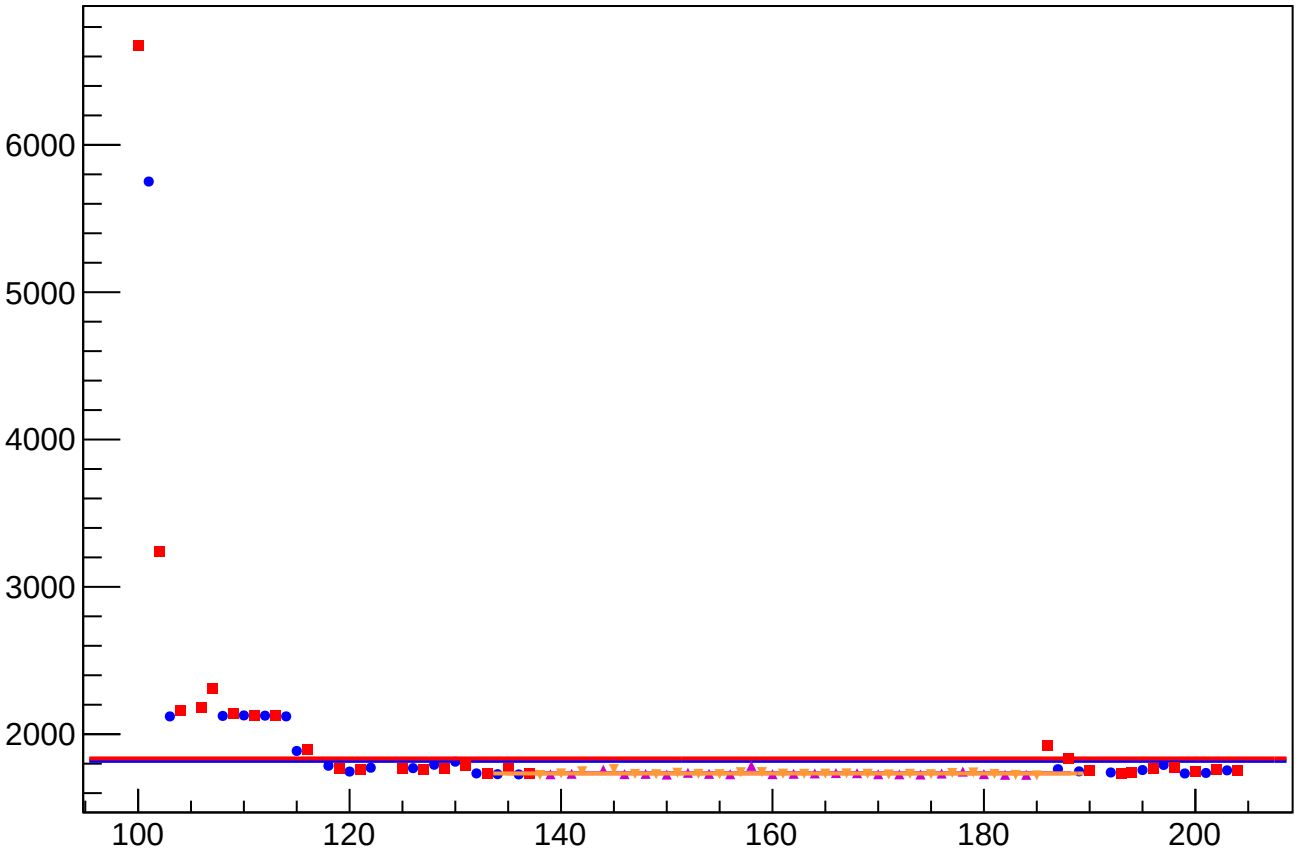
Right: 677.588+/-0.097 χ^2/NDF: 6296471.8/51

In: 549.308+/-0.079 χ^2/NDF:14136573.8/46

Out: 477.297+/-0.072 χ^2/NDF:21351113.5/51

All: 509.819+/-0.053 χ^2/NDF: 35942116.2/98


eigen_dit_asym_us_avg_at1lr_avg_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
Right In: 378.617+/-507.013 χ²/NDF: 27.1/23
Left Out: -29.392+/-402.317 χ²/NDF:35.4/23
Right Out: -179.480+/-479.194 χ²/NDF: 30.0/27
Left In: 42.465+/-405.052 χ²/NDF:19.9/22
Left: 6.293+/-285.443 χ²/NDF: 55.3/46
Right: 83.838+/-348.261 χ²/NDF: 57.8/51
In: 173.426+/-316.462 χ²/NDF:47.3/46
Out: -91.445+/-308.121 χ²/NDF:65.5/51
All: 37.454+/-220.765 χ²/NDF: 113.2/98



Right In: 1819.083+/-0.359 χ^2/NDF: 726607.6/23

Left Out: 1733.478+/-0.284 χ^2/NDF:901.3/23

Right Out: 1835.367+/-0.339 χ^2/NDF: 409632.7/27

Left In: 1734.810+/-0.286 χ^2/NDF:2175.7/22

Left: 1734.140+/-0.202 χ^2/NDF: 3087.9/46

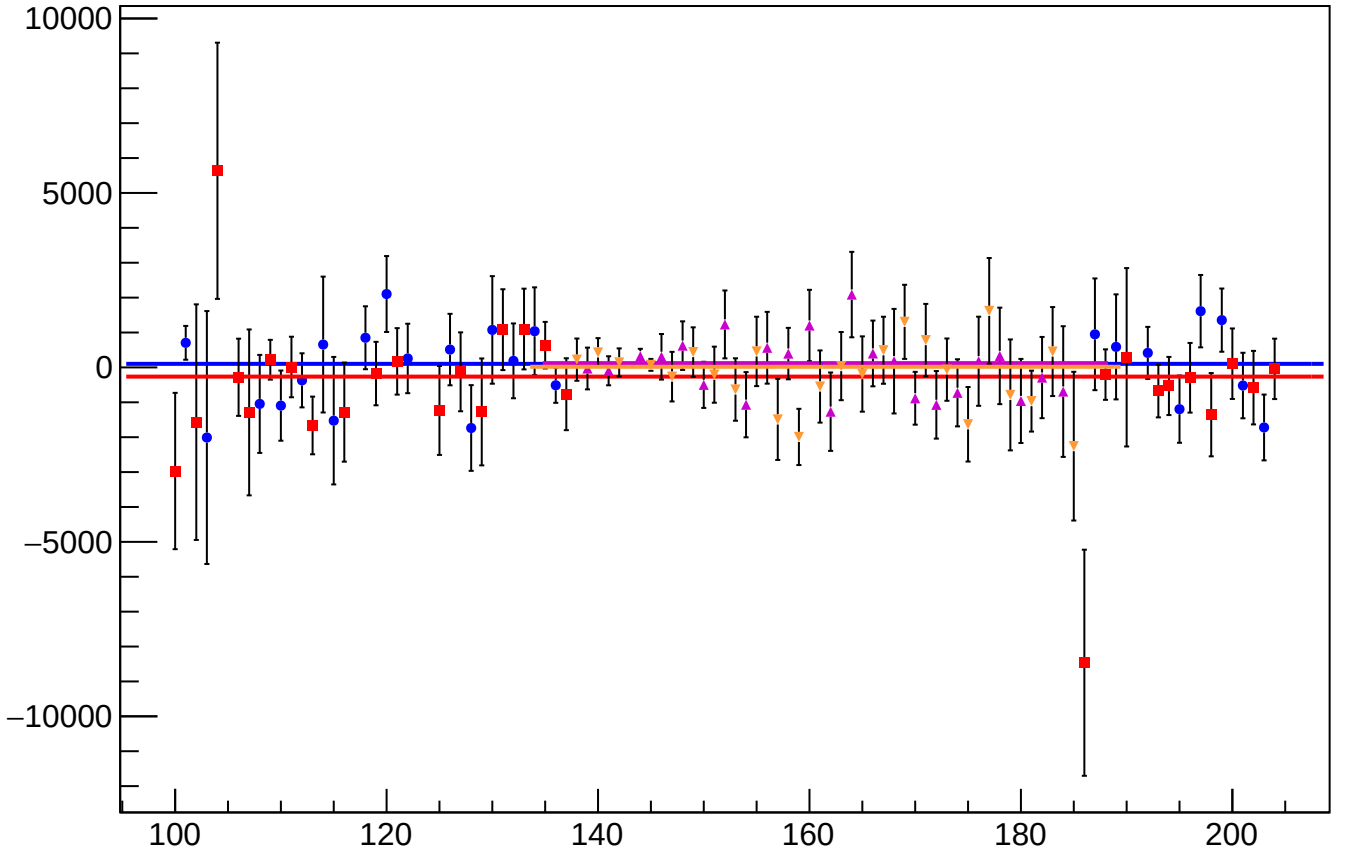
Right: 1827.684+/-0.246 χ^2/NDF: 1137329.9/51

In: 1767.642+/-0.224 χ^2/NDF:762511.5/46

Out: 1775.604+/-0.218 χ^2/NDF:463569.5/51

All: 1771.729+/-0.156 χ^2/NDF: 1226731.0/98

asym_us_avg_at1lr_avg_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 102.075+/-193.389 χ^2/NDF: 24.7/23

Left Out: 18.026+/-119.333 χ^2/NDF:19.4/23

Right Out: -263.468+/-193.181 χ^2/NDF: 22.6/27

Left In: 121.706+/-137.150 χ^2/NDF:16.5/22

Left: 62.698+/-90.026 χ^2/NDF: 36.2/46

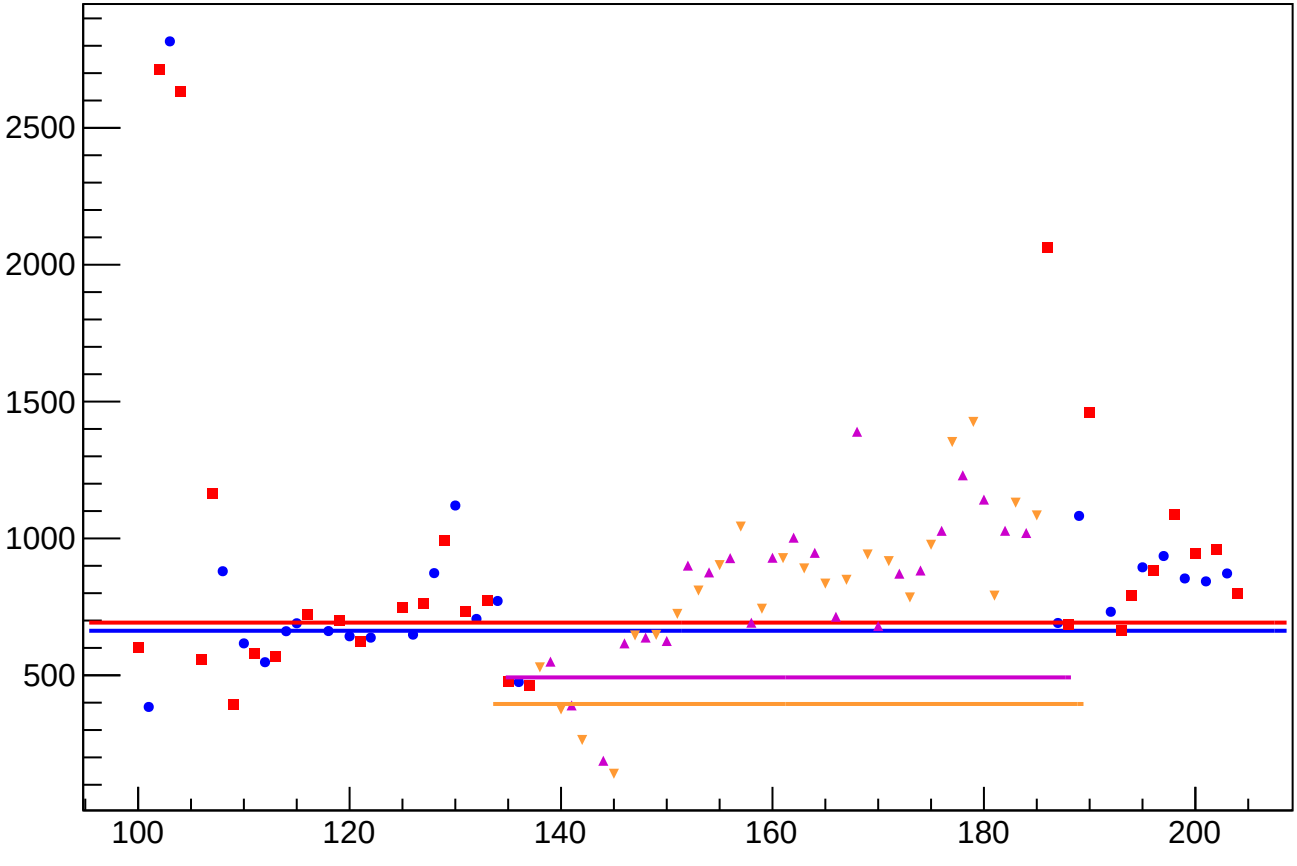
Right: -80.892+/-136.673 χ^2/NDF: 49.1/51

In: 115.136+/-111.872 χ^2/NDF:41.2/46

Out: -59.721+/-101.525 χ^2/NDF:43.6/51

All: 19.249+/-75.182 χ^2/NDF: 86.1/98

asym_us_avg_at1lr_avg_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 662.665+/-0.137 χ^2/NDF: 2684269.7/23

Left Out: 395.188+/-0.084 χ^2/NDF:14334464.6/23

Right Out: 692.473+/-0.137 χ^2/NDF: 3588471.5/27

Left In: 492.295+/-0.097 χ^2/NDF:10419523.2/22

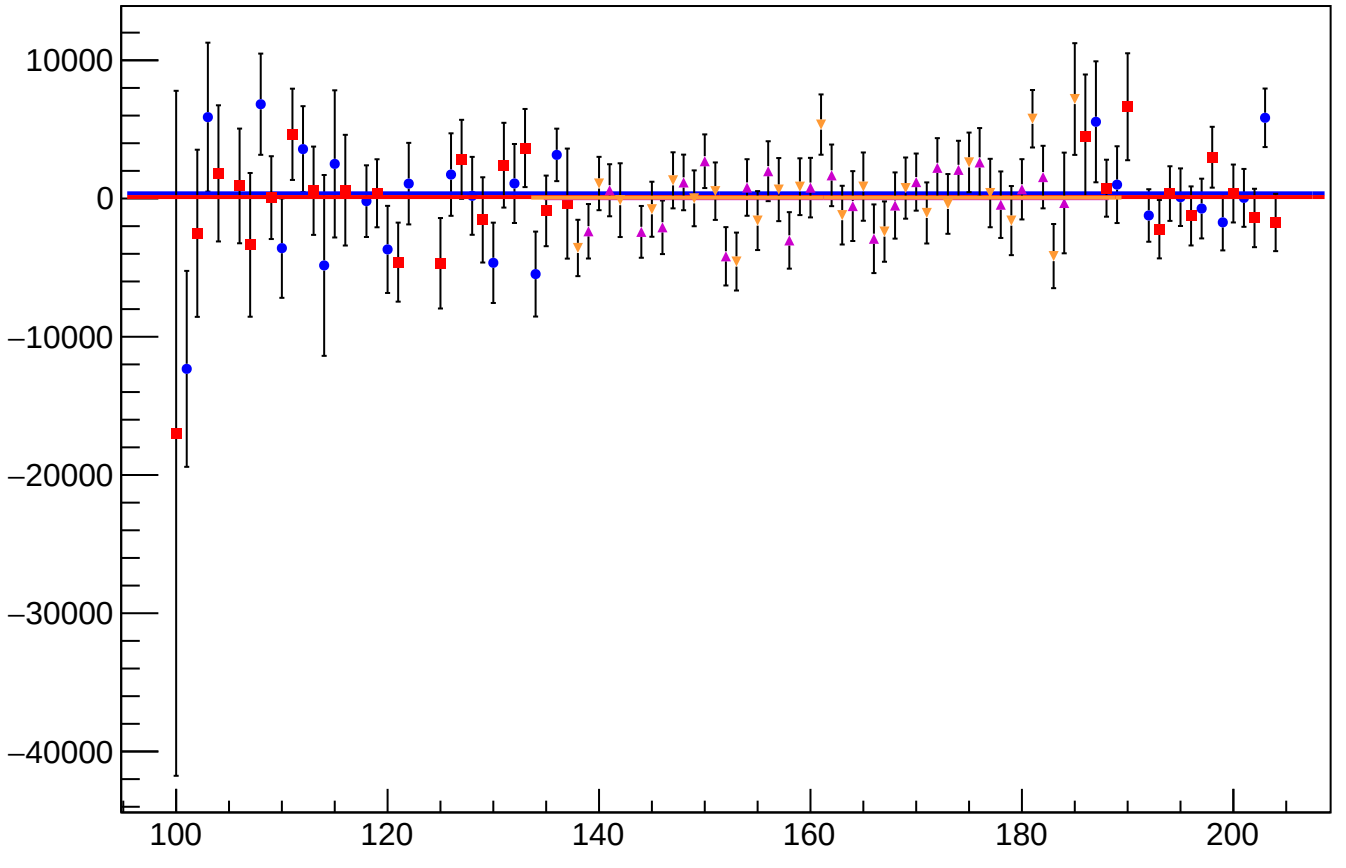
Left: 437.028+/-0.064 χ^2/NDF: 25324612.8/46

Right: 677.585+/-0.097 χ^2/NDF: 6296523.3/51

In: 549.309+/-0.079 χ^2/NDF:14136579.1/46

Out: 477.296+/-0.072 χ^2/NDF:21351138.1/51

All: 509.819+/-0.053 χ^2/NDF: 35942153.3/98



Right In: 375.584+/-559.599 χ^2/NDF: 31.4/23

Left Out: 66.661+/-449.750 χ^2/NDF:33.6/23

Right Out: 105.687+/-532.372 χ^2/NDF: 20.1/27

Left In: 25.575+/-450.755 χ^2/NDF:20.0/22

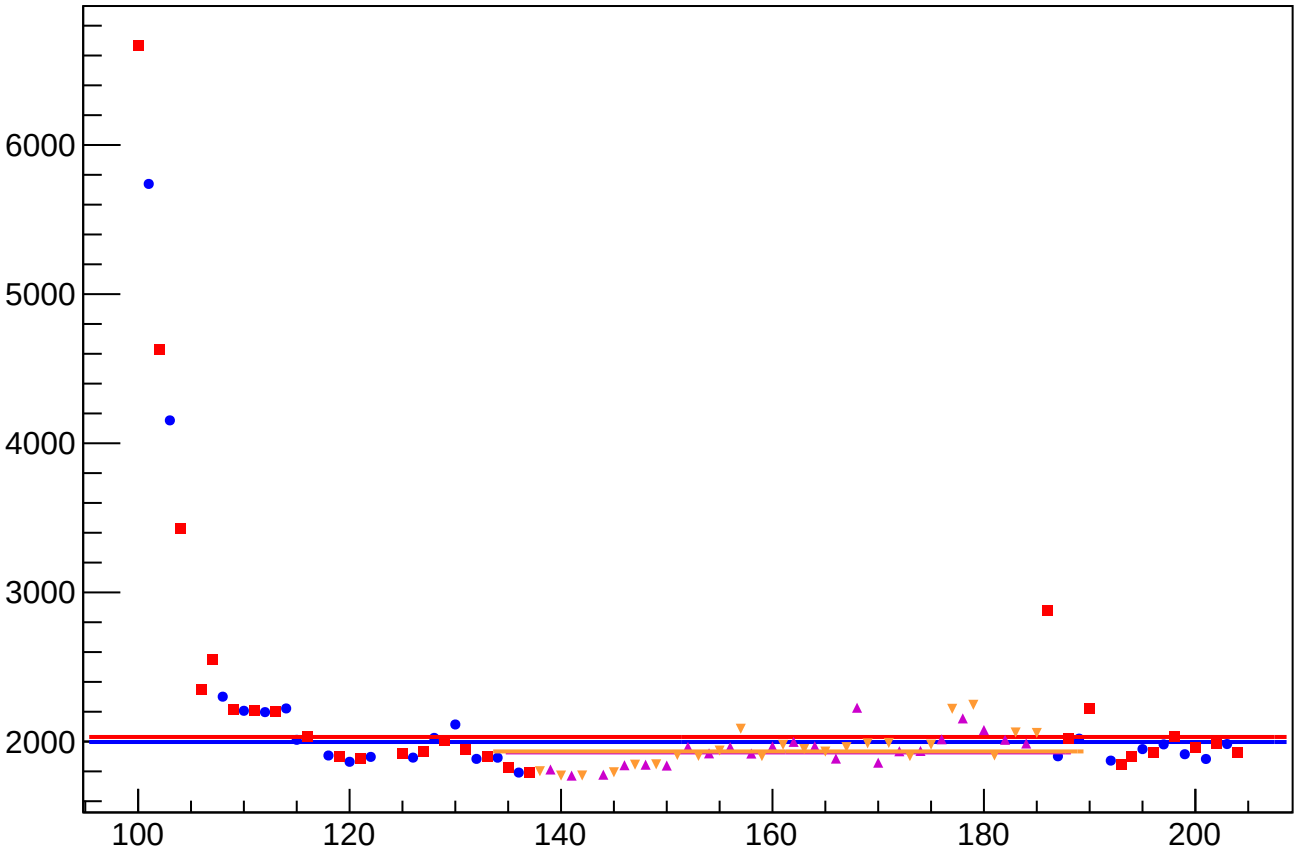
Left: 46.164+/-318.376 χ^2/NDF: 53.6/46

Right: 233.910+/-385.710 χ^2/NDF: 51.7/51

In: 163.306+/-351.037 χ^2/NDF:51.6/46

Out: 82.914+/-343.562 χ^2/NDF:53.7/51

All: 122.245+/-245.535 χ^2/NDF: 105.4/98



Right In: 1996.928+/-0.396 χ^2/NDF: 972461.6/23

Left Out: 1933.804+/-0.318 χ^2/NDF:128531.8/23

Right Out: 2030.773+/-0.376 χ^2/NDF: 805558.5/27

Left In: 1927.125+/-0.319 χ^2/NDF:116436.1/22

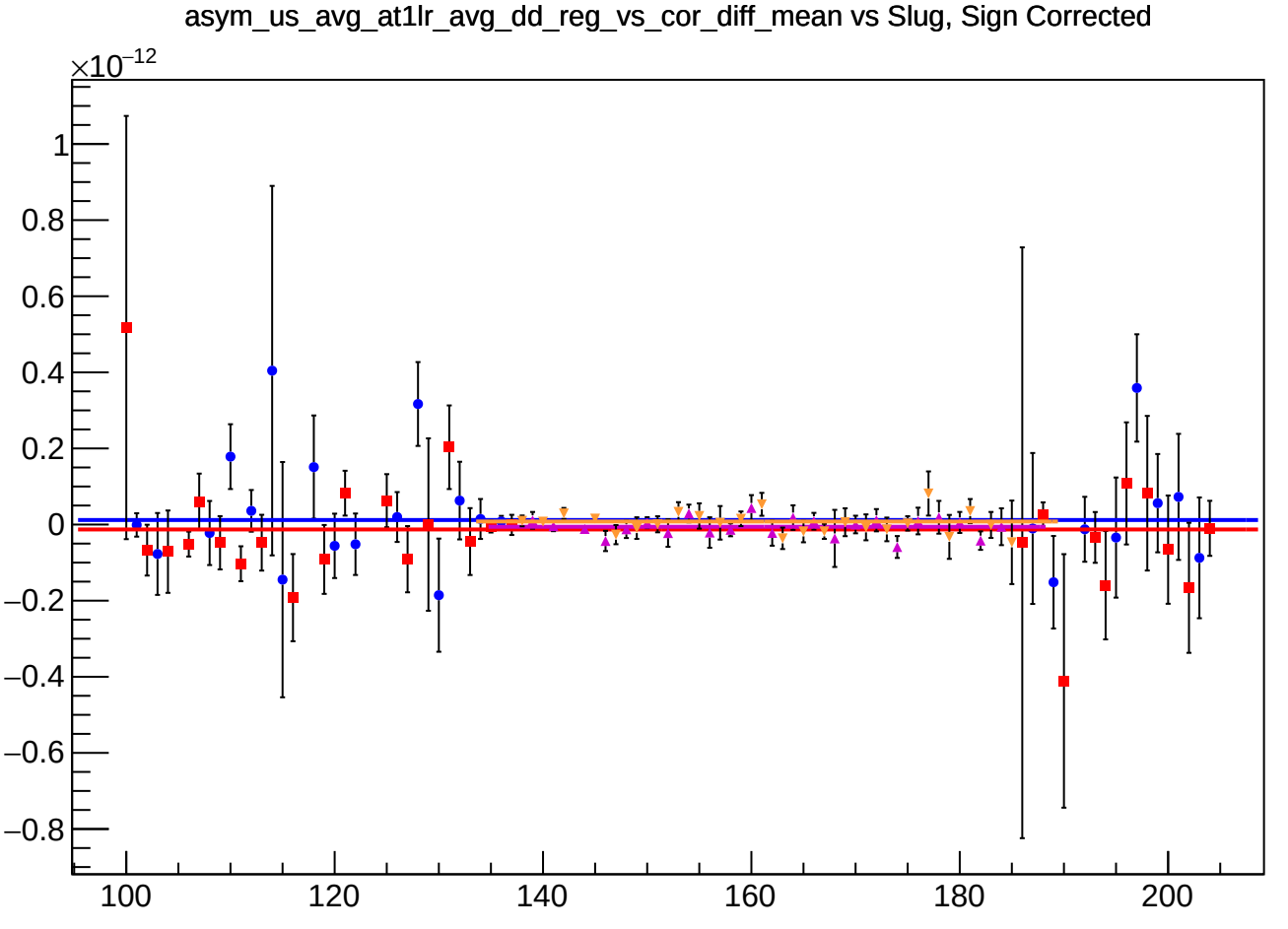
Left: 1930.472+/-0.225 χ^2/NDF: 245187.9/46

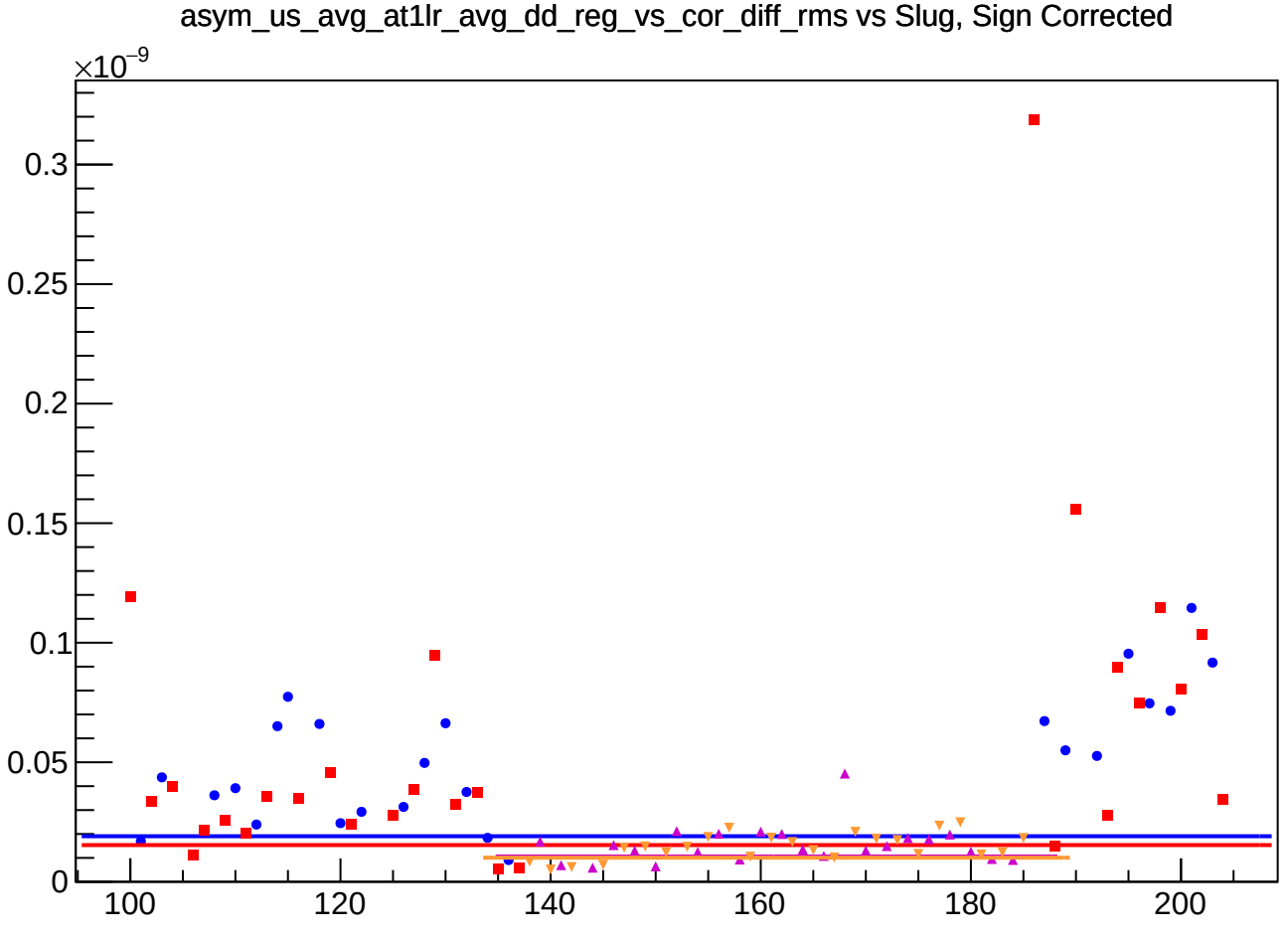
Right: 2014.694+/-0.273 χ^2/NDF: 1781860.3/51

In: 1954.593+/-0.248 χ^2/NDF:1107771.1/46

Out: 1974.188+/-0.243 χ^2/NDF:972809.7/51

All: 1964.602+/-0.174 χ^2/NDF: 2083763.9/98


asym_us_avg_at1lr_avg_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 26.7/23
Left Out: 0.000+/-0.000 χ²/NDF:17.3/23
Right Out: -0.000+/-0.000 χ²/NDF: 26.6/27
Left In: -0.000+/-0.000 χ²/NDF:16.7/22
Left: 0.000+/-0.000 χ²/NDF: 38.9/46
Right: -0.000+/-0.000 χ²/NDF: 56.1/51
In: -0.000+/-0.000 χ²/NDF:45.6/46
Out: 0.000+/-0.000 χ²/NDF:47.8/51
All: 0.000+/-0.000 χ²/NDF: 95.2/98



Right In: 0.000+/-0.000 χ^2/NDF: 4880215.8/23

Left Out: 0.000+/-0.000 χ^2/NDF:2274817.9/23

Right Out: 0.000+/-0.000 χ^2/NDF: 5722231.7/27

Left In: 0.000+/-0.000 χ^2/NDF:2578668.0/22

Left: 0.000+/-0.000 χ^2/NDF: 4866060.2/46

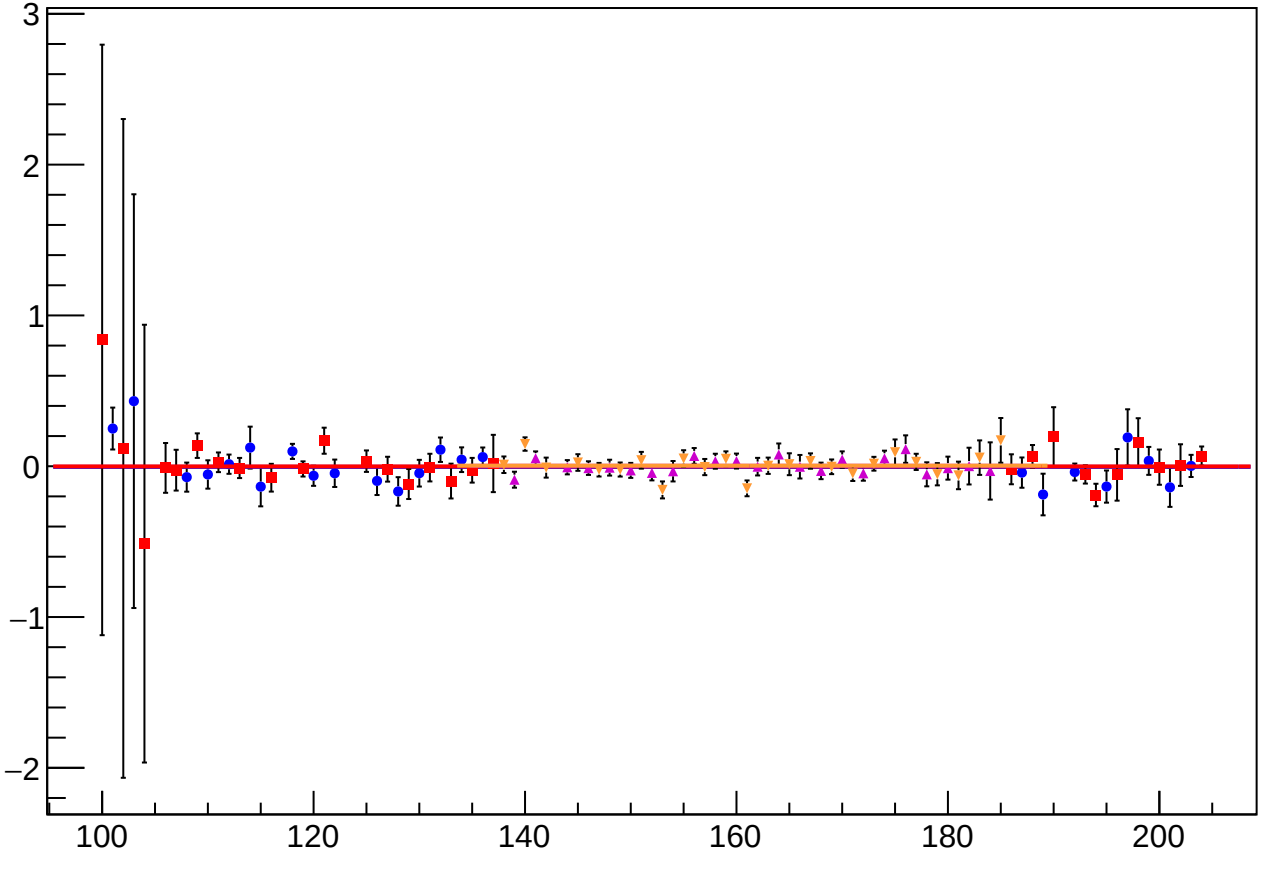
Right: 0.000+/-0.000 χ^2/NDF: 10725606.5/51

In: 0.000+/-0.000 χ^2/NDF:8437590.9/46

Out: 0.000+/-0.000 χ^2/NDF:8479320.7/51

All: 0.000+/-0.000 χ^2/NDF: 16956215.6/98

asym_us_avg_at1lr_avg_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.004+/-0.018 χ^2/NDF: 25.1/23

Left Out: 0.004+/-0.012 χ^2/NDF:35.0/23

Right Out: -0.001+/-0.017 χ^2/NDF: 21.9/27

Left In: 0.003+/-0.012 χ^2/NDF:14.5/22

Left: 0.003+/-0.008 χ^2/NDF: 49.5/46

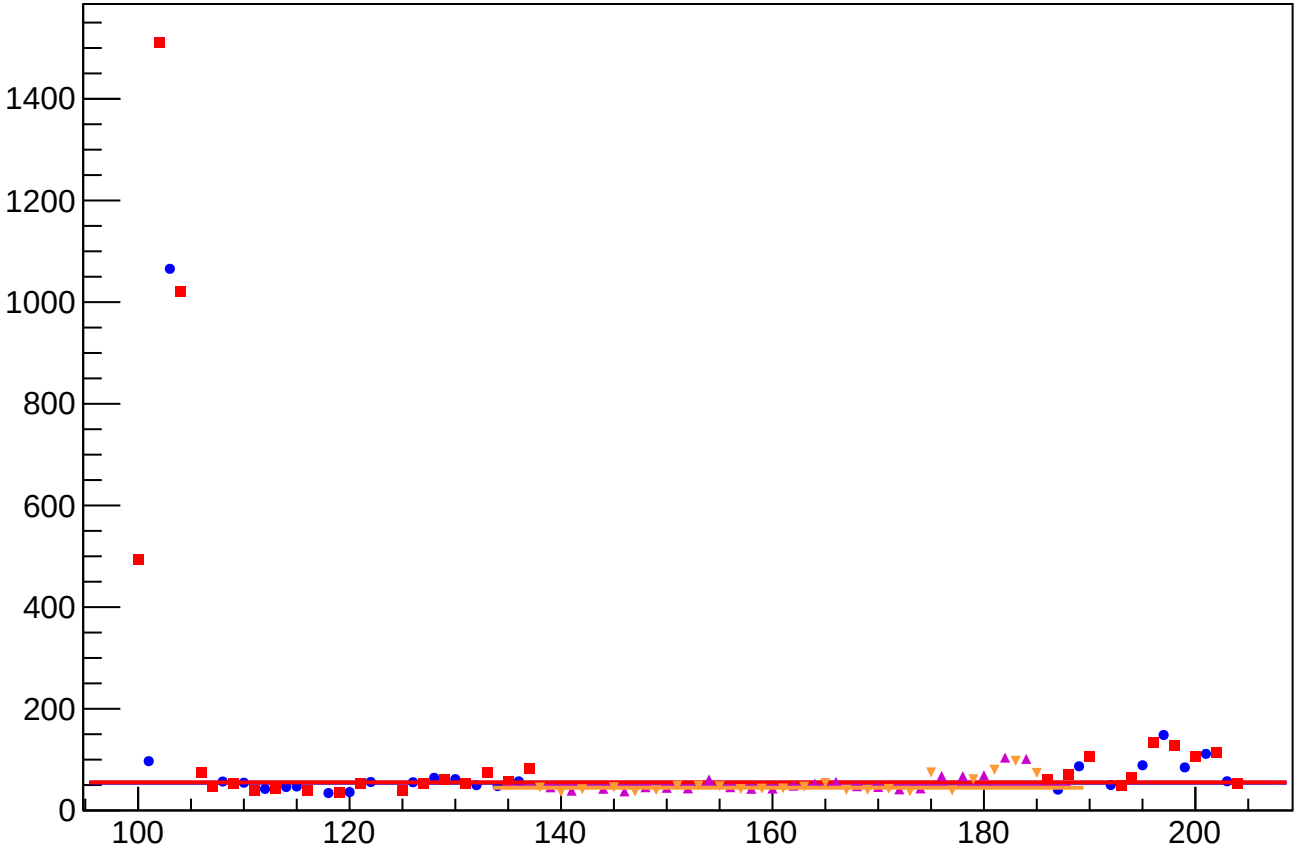
Right: -0.003+/-0.012 χ^2/NDF: 47.0/51

In: 0.001+/-0.010 χ^2/NDF:39.6/46

Out: 0.002+/-0.010 χ^2/NDF:57.0/51

All: 0.001+/-0.007 χ^2/NDF: 96.7/98

asym_us_avg_at1lr_avg_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 54.603+/-0.012 χ^2/NDF: 3371603.7/23

Left Out: 44.733+/-0.008 χ^2/NDF:1481436.4/23

Right Out: 55.243+/-0.012 χ^2/NDF: 4533592.9/27

Left In: 47.033+/-0.008 χ^2/NDF:1383050.4/22

Left: 45.841+/-0.006 χ^2/NDF: 2902954.4/46

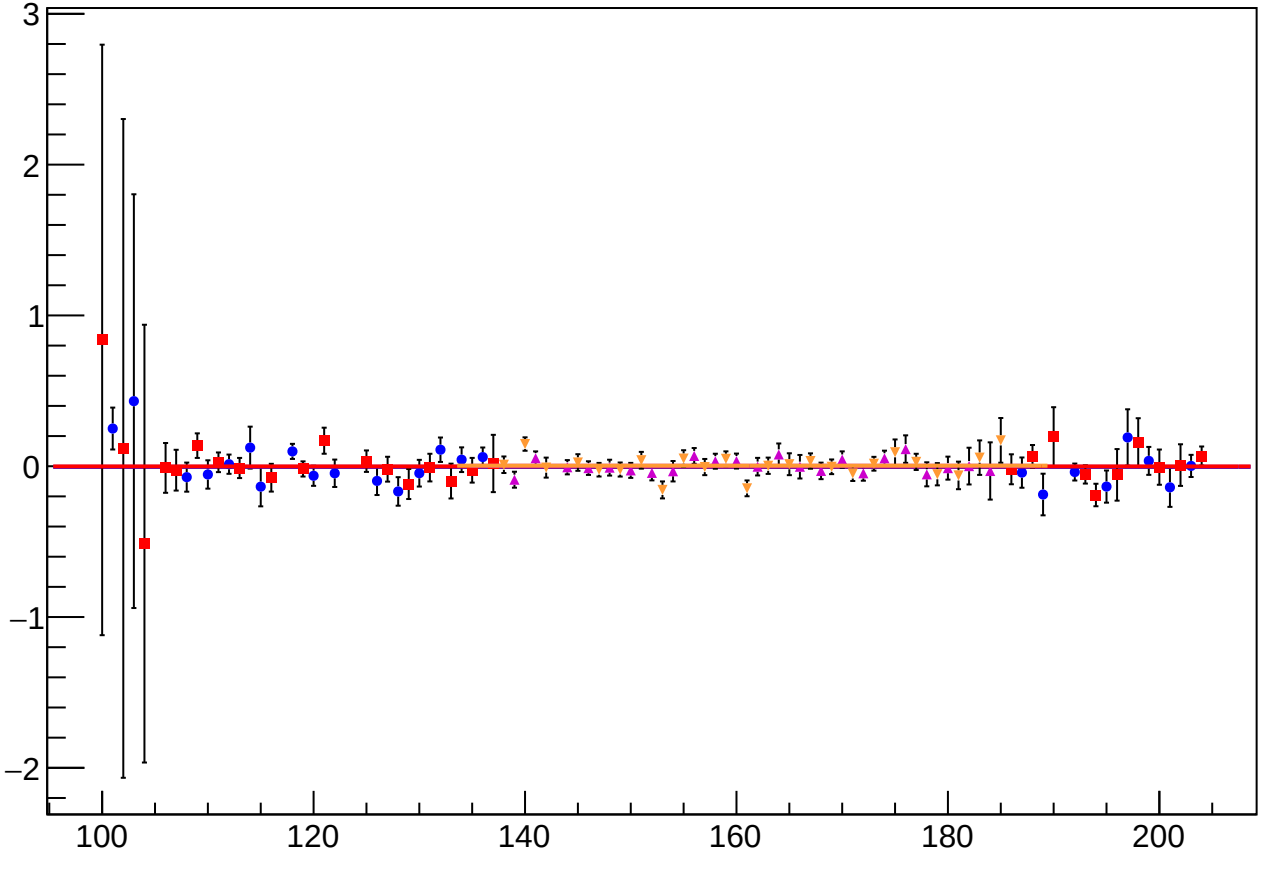
Right: 54.930+/-0.009 χ^2/NDF: 7906549.3/51

In: 49.417+/-0.007 χ^2/NDF:5007795.0/46

Out: 47.977+/-0.007 χ^2/NDF:6530066.2/51

All: 48.673+/-0.005 χ^2/NDF: 11559777.3/98

asym_us_avg_at1lr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.004+/-0.018 χ^2/NDF: 25.1/23

Left Out: 0.004+/-0.012 χ^2/NDF:35.0/23

Right Out: -0.001+/-0.017 χ^2/NDF: 21.9/27

Left In: 0.003+/-0.012 χ^2/NDF:14.5/22

Left: 0.003+/-0.008 χ^2/NDF: 49.5/46

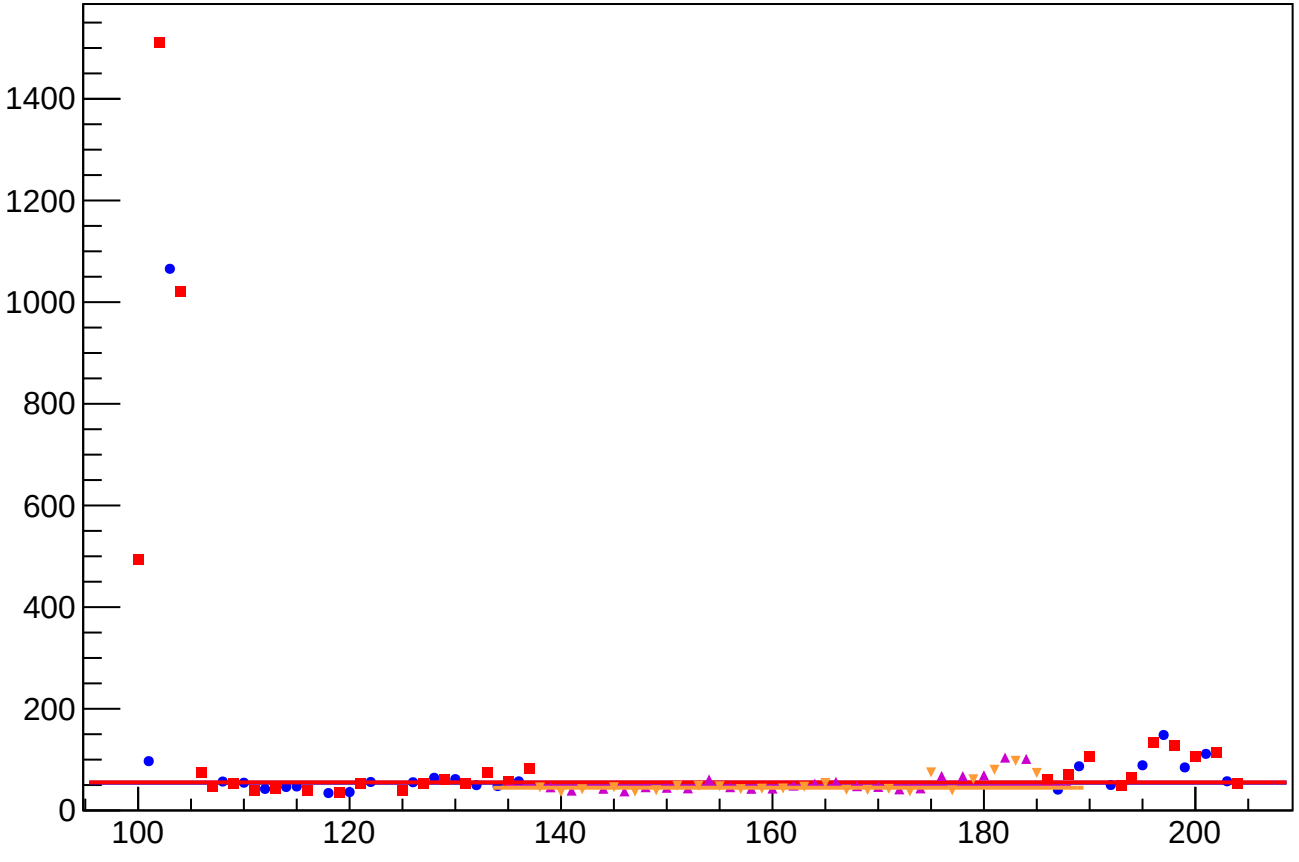
Right: -0.003+/-0.012 χ^2/NDF: 47.0/51

In: 0.001+/-0.010 χ^2/NDF:39.6/46

Out: 0.002+/-0.010 χ^2/NDF:57.0/51

All: 0.001+/-0.007 χ^2/NDF: 96.7/98

asym_us_avg_at1lr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 54.603+/-0.012 χ^2/NDF: 3371603.7/23

Left Out: 44.733+/-0.008 χ^2/NDF:1481436.4/23

Right Out: 55.243+/-0.012 χ^2/NDF: 4533592.9/27

Left In: 47.033+/-0.008 χ^2/NDF:1383050.4/22

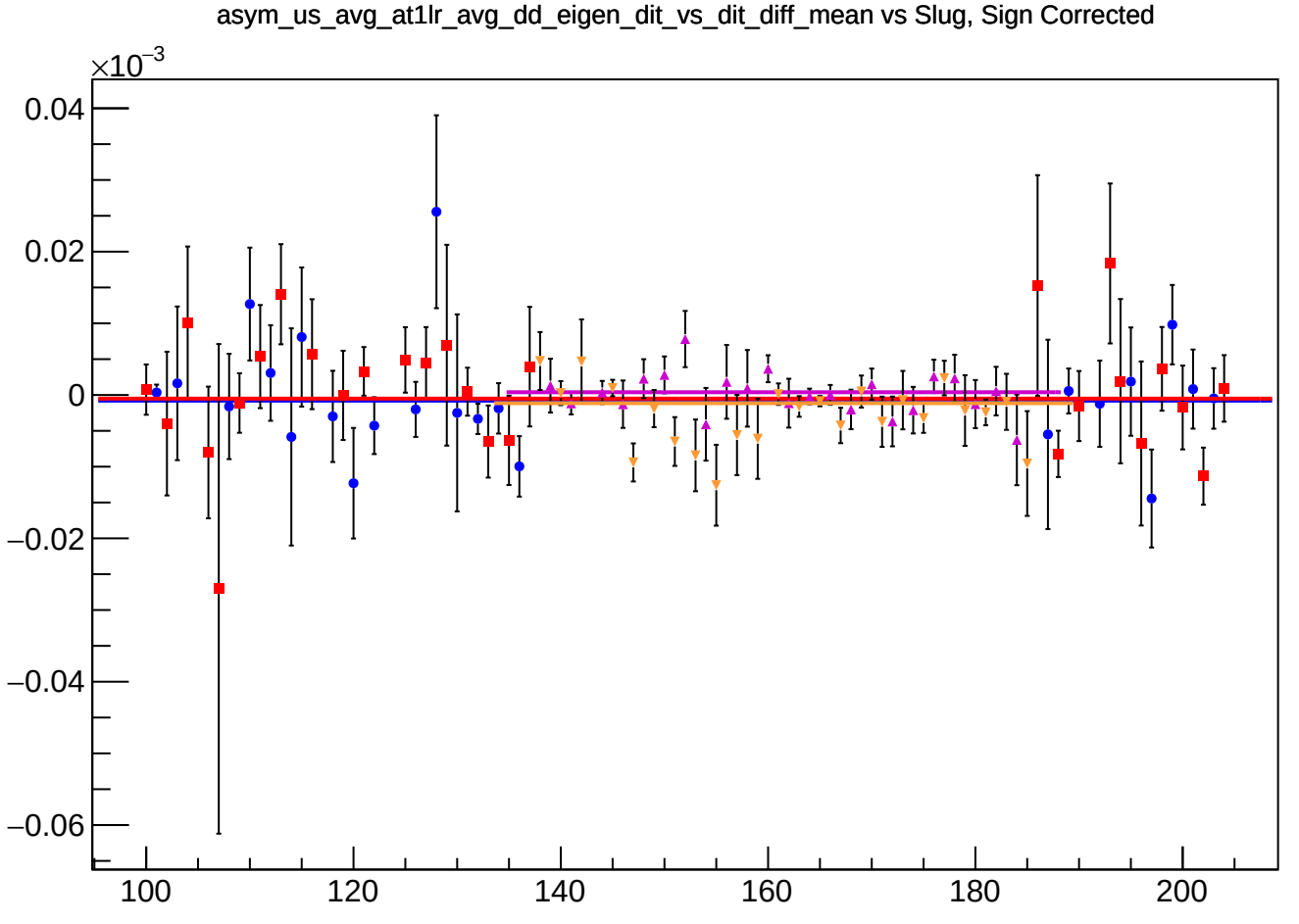
Left: 45.841+/-0.006 χ^2/NDF: 2902954.4/46

Right: 54.930+/-0.009 χ^2/NDF: 7906549.3/51

In: 49.417+/-0.007 χ^2/NDF:5007795.0/46

Out: 47.977+/-0.007 χ^2/NDF:6530066.2/51

All: 48.673+/-0.005 χ^2/NDF: 11559777.3/98



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

Left Out: -0.000+/-0.000 χ^2/NDF:35.7/23

Right Out: -0.000+/-0.000 χ^2/NDF: 32.8/27

Left In: 0.000+/-0.000 χ^2/NDF:16.3/22

Left: -0.000+/-0.000 χ^2/NDF: 57.8/46

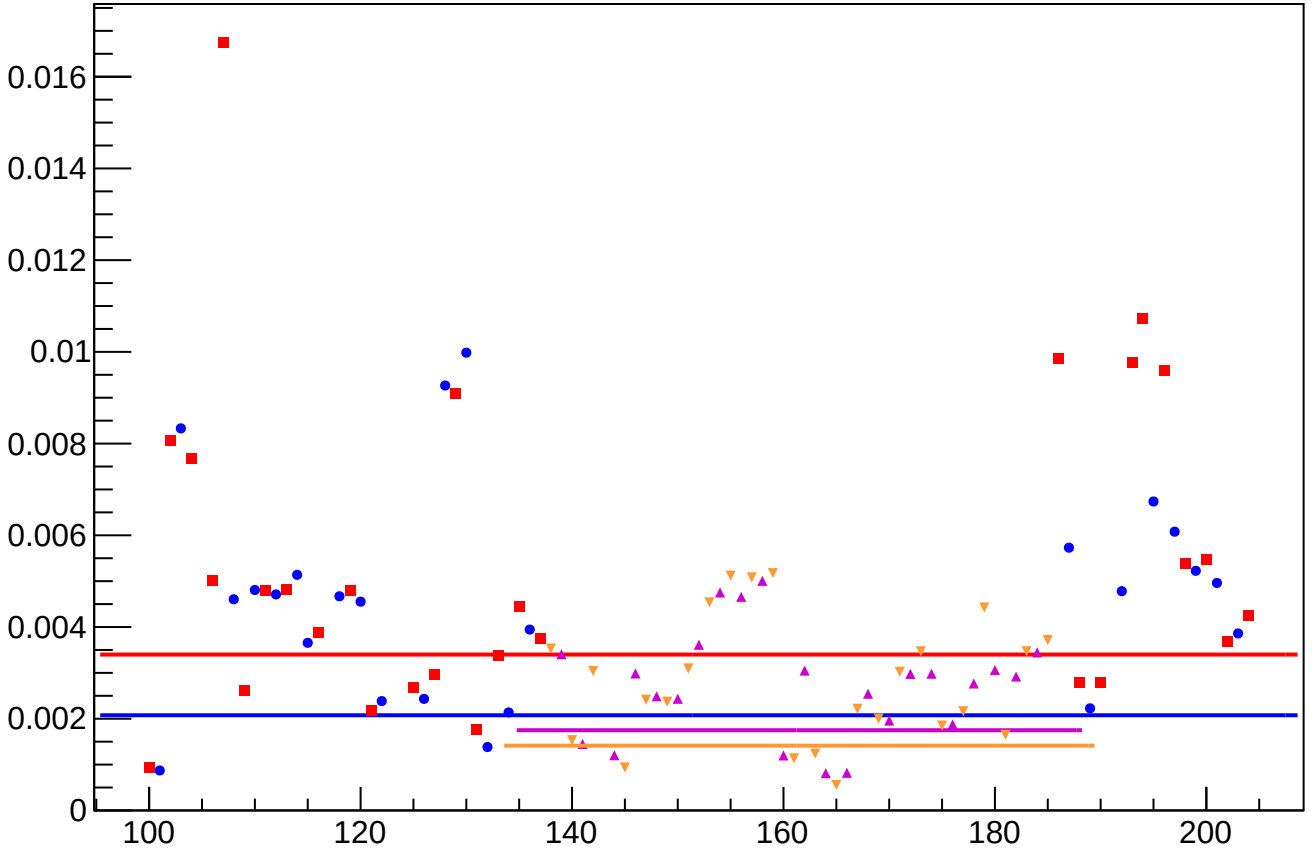
Right: -0.000+/-0.000 χ^2/NDF: 59.7/51

In: 0.000+/-0.000 χ^2/NDF:44.9/46

Out: -0.000+/-0.000 χ^2/NDF:68.8/51

All: -0.000+/-0.000 χ^2/NDF: 117.5/98

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 9975449.0/23

Left Out: 0.001+/-0.000 χ^2/NDF:11586658.8/23

Right Out: 0.003+/-0.000 χ^2/NDF: 6690935.6/27

Left In: 0.002+/-0.000 χ^2/NDF:8238945.3/22

Left: 0.002+/-0.000 χ^2/NDF: 20381149.0/46

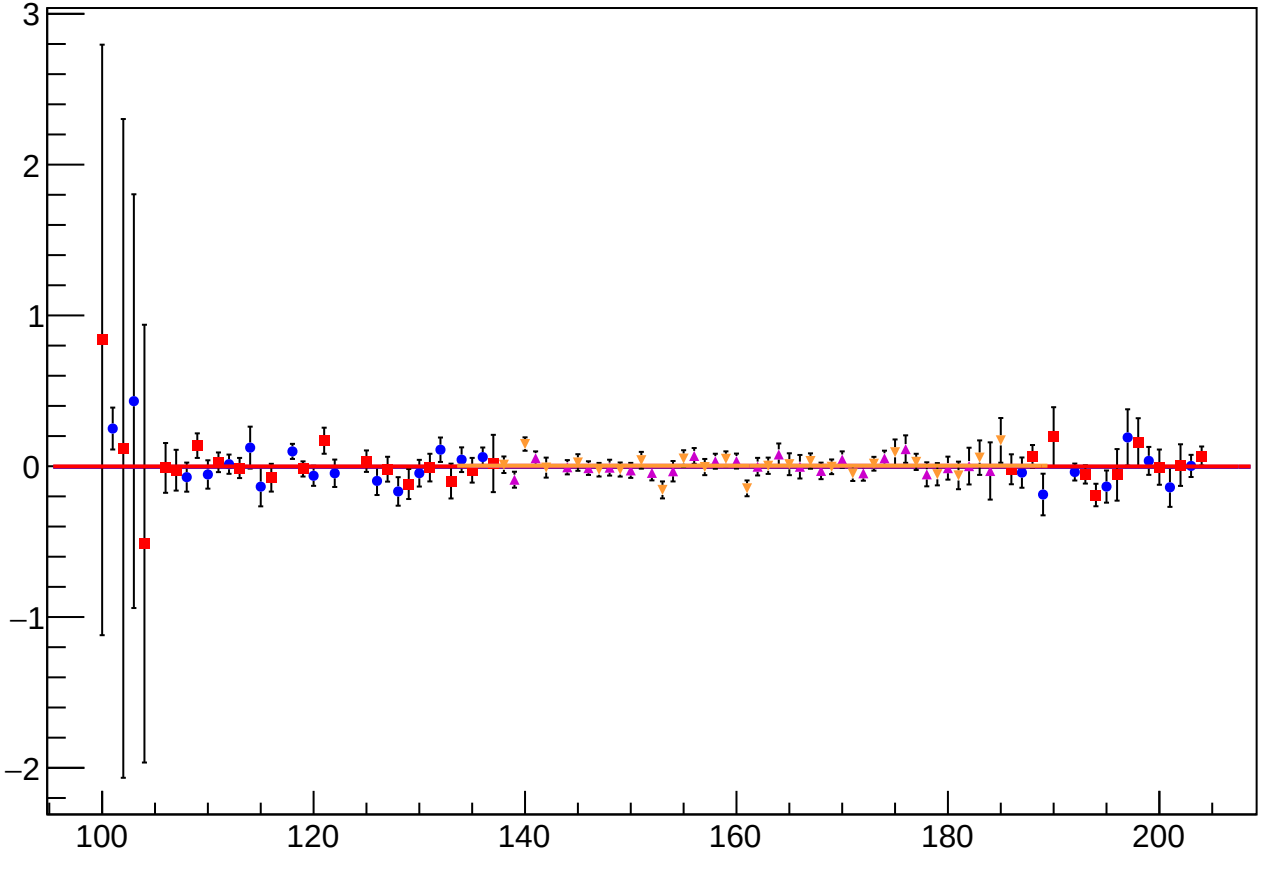
Right: 0.003+/-0.000 χ^2/NDF: 18799792.2/51

In: 0.002+/-0.000 χ^2/NDF:18476611.6/46

Out: 0.002+/-0.000 χ^2/NDF:24654899.6/51

All: 0.002+/-0.000 χ^2/NDF: 43302310.6/98

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.004+/-0.018 χ^2/NDF: 25.1/23

Left Out: 0.004+/-0.012 χ^2/NDF:35.0/23

Right Out: -0.001+/-0.017 χ^2/NDF: 21.9/27

Left In: 0.003+/-0.012 χ^2/NDF:14.5/22

Left: 0.003+/-0.008 χ^2/NDF: 49.5/46

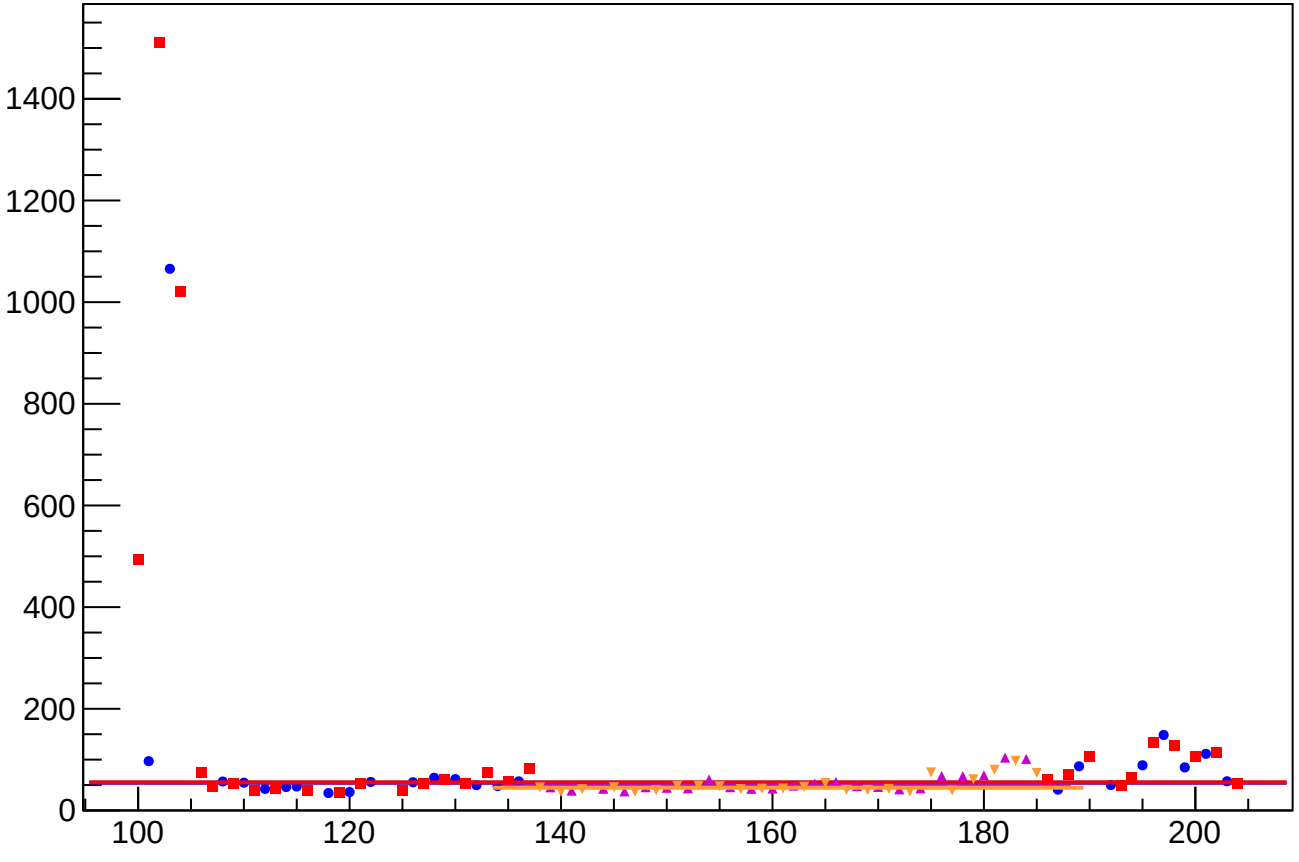
Right: -0.003+/-0.012 χ^2/NDF: 47.0/51

In: 0.001+/-0.010 χ^2/NDF:39.6/46

Out: 0.002+/-0.010 χ^2/NDF:57.0/51

All: 0.001+/-0.007 χ^2/NDF: 96.7/98

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 54.602+/-0.012 χ^2/NDF: 3371577.0/23

Left Out: 44.733+/-0.008 χ^2/NDF:1481436.0/23

Right Out: 55.242+/-0.012 χ^2/NDF: 4533727.7/27

Left In: 47.033+/-0.008 χ^2/NDF:1383121.1/22

Left: 45.840+/-0.006 χ^2/NDF: 2903011.0/46

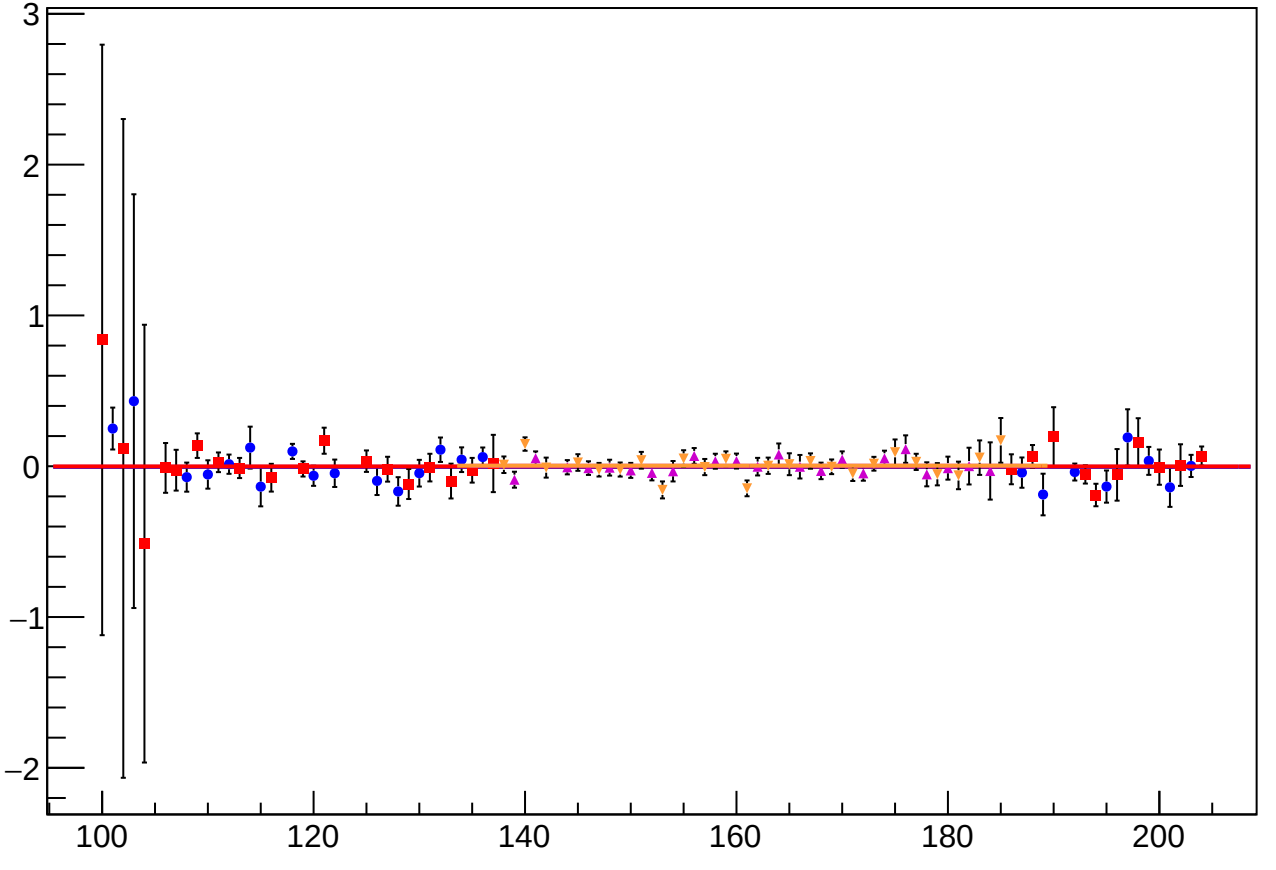
Right: 54.930+/-0.009 χ^2/NDF: 7906654.8/51

In: 49.416+/-0.007 χ^2/NDF:5007831.6/46

Out: 47.977+/-0.007 χ^2/NDF:6530093.6/51

All: 48.673+/-0.005 χ^2/NDF: 11559836.8/98

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.004+/-0.018 χ^2/NDF: 25.1/23

Left Out: 0.004+/-0.012 χ^2/NDF:35.0/23

Right Out: -0.001+/-0.017 χ^2/NDF: 21.9/27

Left In: 0.003+/-0.012 χ^2/NDF:14.5/22

Left: 0.003+/-0.008 χ^2/NDF: 49.5/46

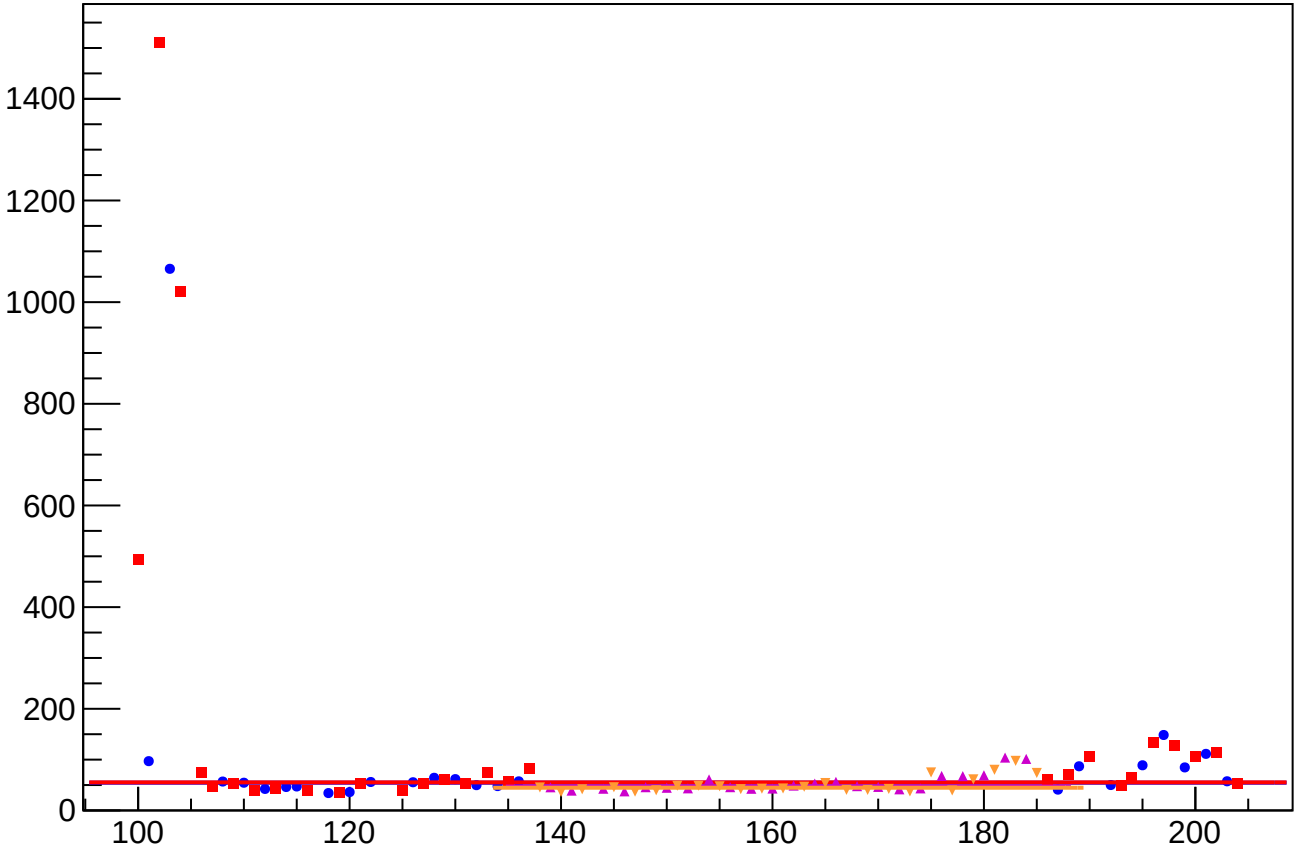
Right: -0.003+/-0.012 χ^2/NDF: 47.0/51

In: 0.001+/-0.010 χ^2/NDF:39.6/46

Out: 0.002+/-0.010 χ^2/NDF:57.0/51

All: 0.001+/-0.007 χ^2/NDF: 96.7/98

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 54.602+/-0.012 χ^2/NDF: 3371577.0/23

Left Out: 44.733+/-0.008 χ^2/NDF:1481436.0/23

Right Out: 55.242+/-0.012 χ^2/NDF: 4533727.7/27

Left In: 47.033+/-0.008 χ^2/NDF:1383121.1/22

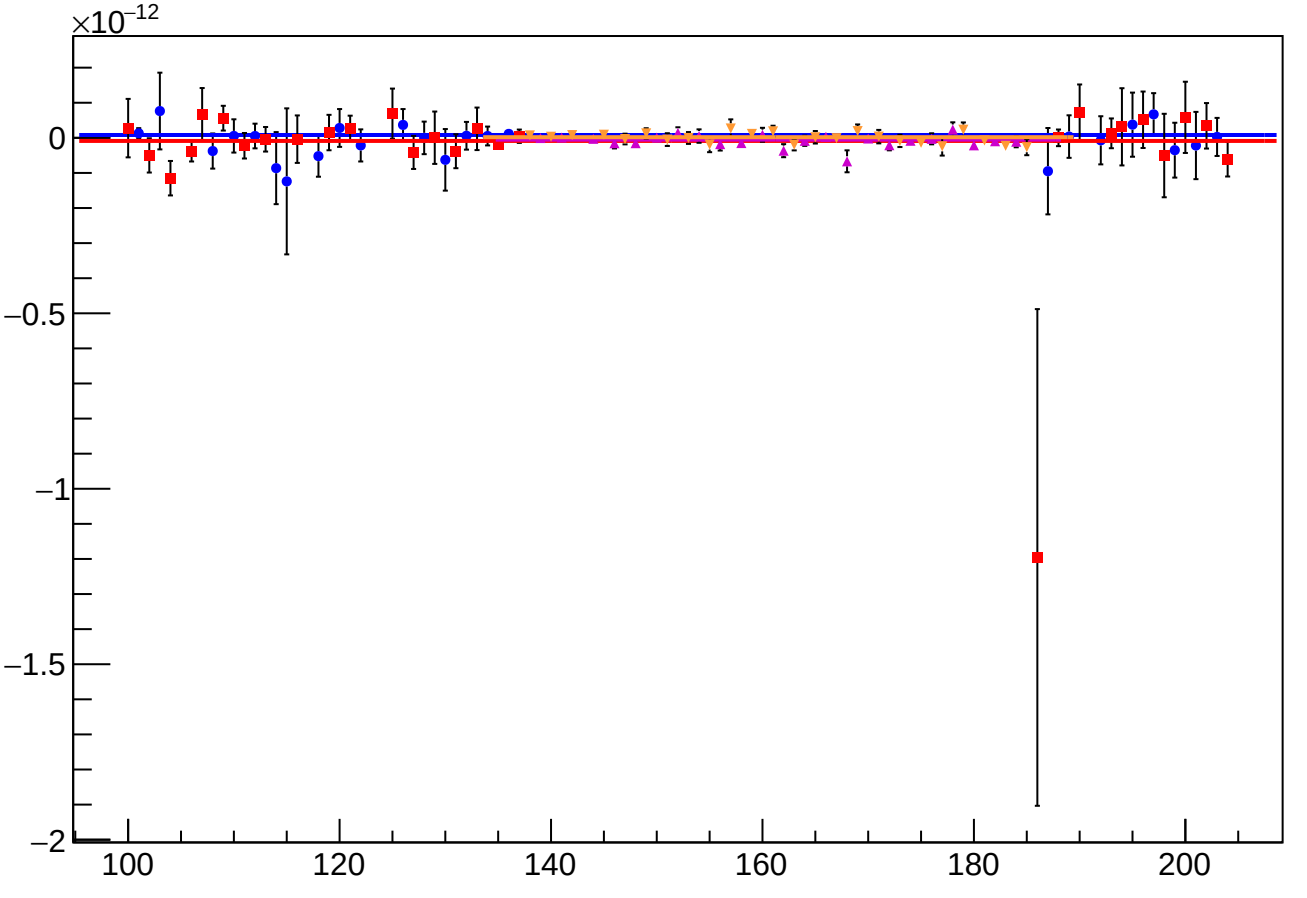
Left: 45.840+/-0.006 χ^2/NDF: 2903011.0/46

Right: 54.930+/-0.009 χ^2/NDF: 7906654.8/51

In: 49.416+/-0.007 χ^2/NDF:5007831.6/46

Out: 47.977+/-0.007 χ^2/NDF:6530093.6/51

All: 48.673+/-0.005 χ^2/NDF: 11559836.8/98



Right In: 0.000+/-0.000 χ^2/NDF: 7.7/23

Left Out: 0.000+/-0.000 χ^2/NDF:20.6/23

Right Out: -0.000+/-0.000 χ^2/NDF: 23.3/27

Left In: -0.000+/-0.000 χ^2/NDF:17.9/22

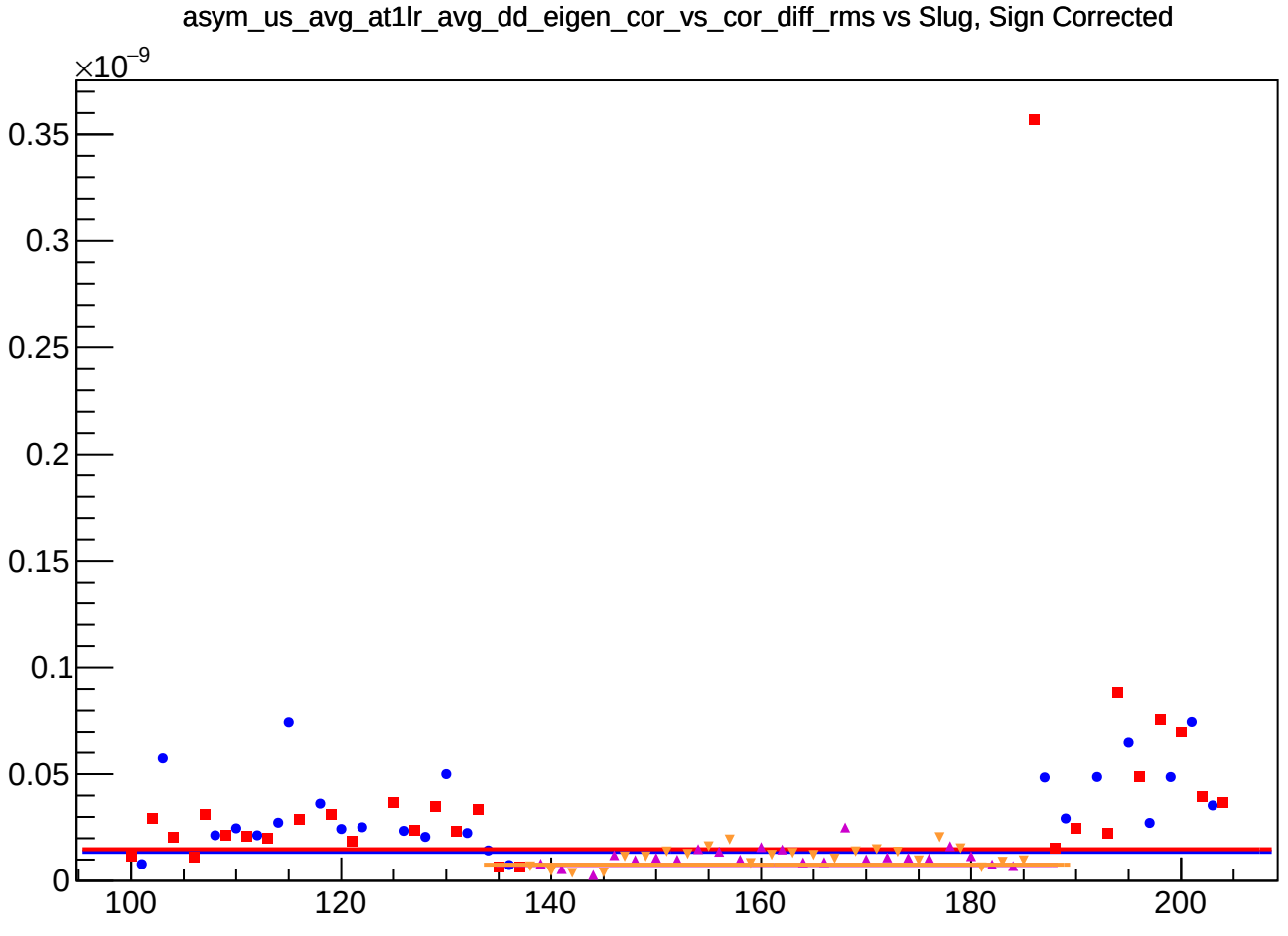
Left: -0.000+/-0.000 χ^2/NDF: 42.7/46

Right: -0.000+/-0.000 χ^2/NDF: 34.3/51

In: -0.000+/-0.000 χ^2/NDF:29.3/46

Out: 0.000+/-0.000 χ^2/NDF:46.2/51

All: -0.000+/-0.000 χ^2/NDF: 77.2/98



Right In: 0.000+/-0.000 χ^2/NDF: 6154975.1/23

Left Out: 0.000+/-0.000 χ^2/NDF:5568430.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 6715966.9/27

Left In: 0.000+/-0.000 χ^2/NDF:5978033.2/22

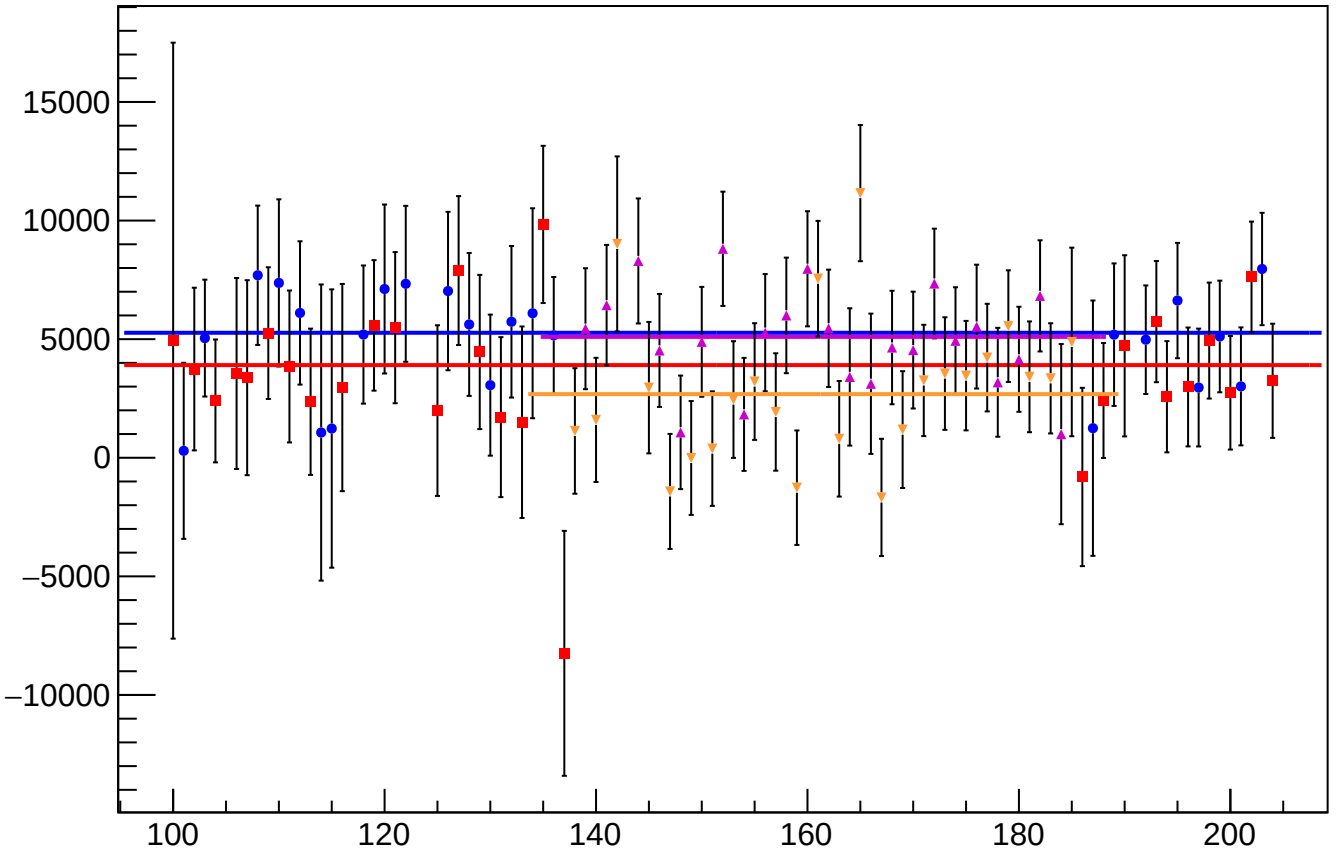
Left: 0.000+/-0.000 χ^2/NDF: 11550721.9/46

Right: 0.000+/-0.000 χ^2/NDF: 12906685.4/51

In: 0.000+/-0.000 χ^2/NDF:13733862.6/46

Out: 0.000+/-0.000 χ^2/NDF:14381306.2/51

All: 0.000+/-0.000 χ^2/NDF: 28127981.8/98



Right In: 5269.183+/-608.278 χ^2/NDF: 9.3/23

Left Out: 2682.870+/-512.020 χ^2/NDF:30.8/23

Right Out: 3906.695+/-574.395 χ^2/NDF: 19.0/27

Left In: 5096.427+/-516.232 χ^2/NDF:14.9/22

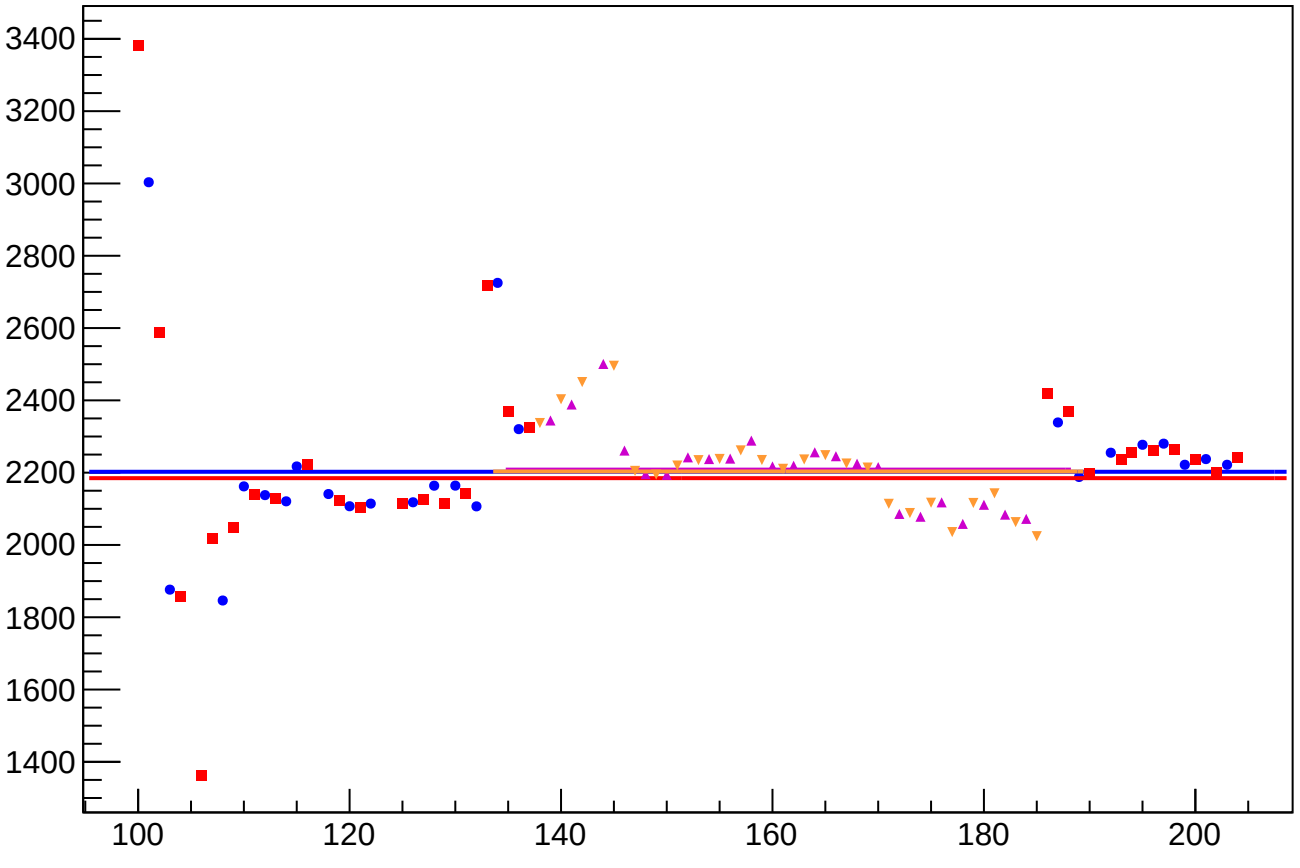
Left: 3879.762+/-363.533 χ^2/NDF: 56.8/46

Right: 4548.936+/-417.624 χ^2/NDF: 30.9/51

In: 5168.758+/-393.594 χ^2/NDF:24.3/46

Out: 3224.749+/-382.210 χ^2/NDF:52.4/51

All: 4168.234+/-274.200 χ^2/NDF: 89.2/98



Right In: 2202.434+/-0.430 χ^2/NDF: 206015.9/23

Left Out: 2203.297+/-0.362 χ^2/NDF:88208.3/23

Right Out: 2184.774+/-0.403 χ^2/NDF: 312982.3/27

Left In: 2208.379+/-0.365 χ^2/NDF:80994.3/22

Left: 2205.817+/-0.257 χ^2/NDF: 169300.4/46

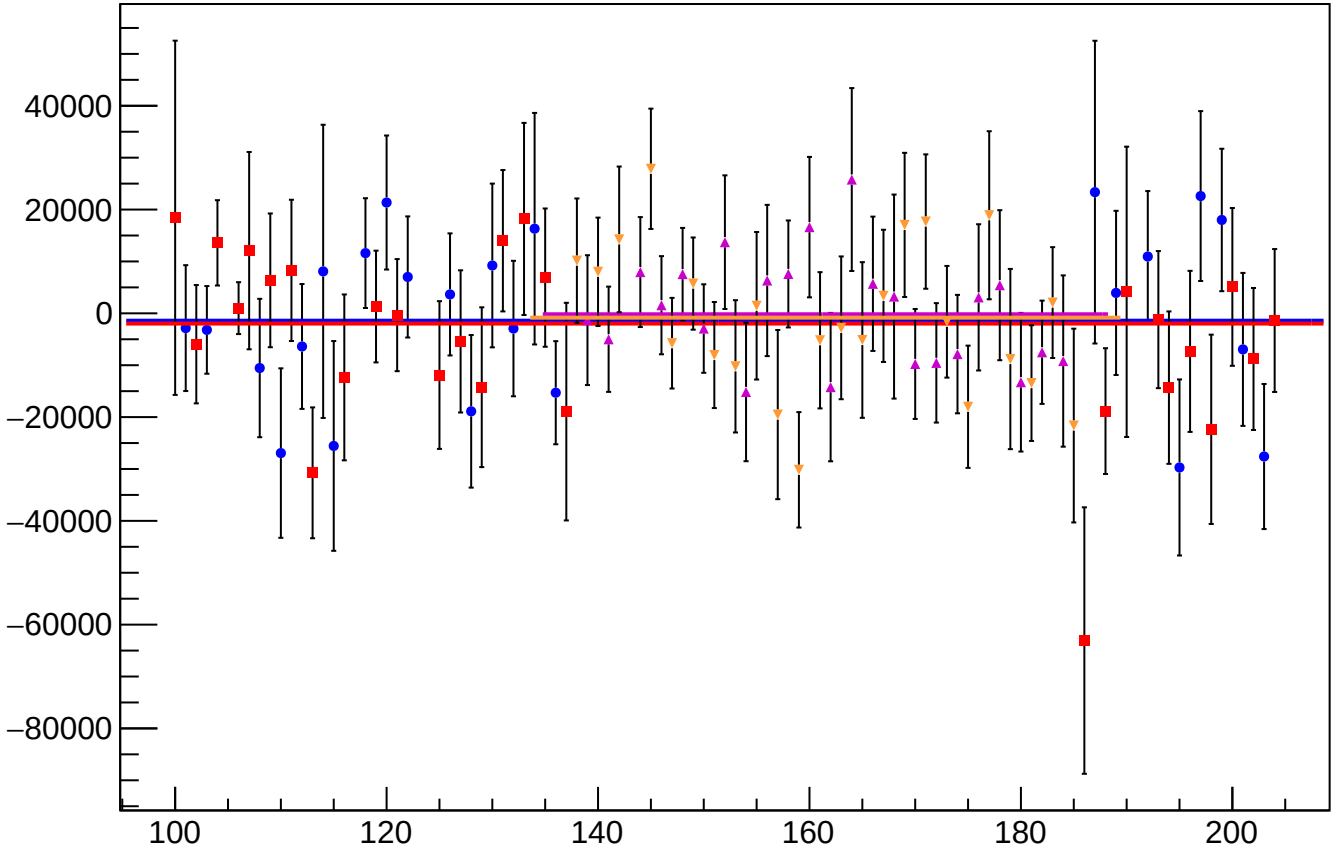
Right: 2193.027+/-0.294 χ^2/NDF: 519896.3/51

In: 2205.890+/-0.278 χ^2/NDF:287121.3/46

Out: 2195.021+/-0.269 χ^2/NDF:402360.0/51

All: 2200.276+/-0.194 χ^2/NDF: 690269.1/98

asym_us_avg_at2lr_avg_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -1421.752+/-2767.087 χ^2/NDF: 26.8/23

Left Out: -833.485+/-2481.469 χ^2/NDF:29.5/23

Right Out: -1976.285+/-2372.497 χ^2/NDF: 26.7/27

Left In: -182.426+/-2471.223 χ^2/NDF:13.8/22

Left: -506.609+/-1751.030 χ^2/NDF: 43.3/46

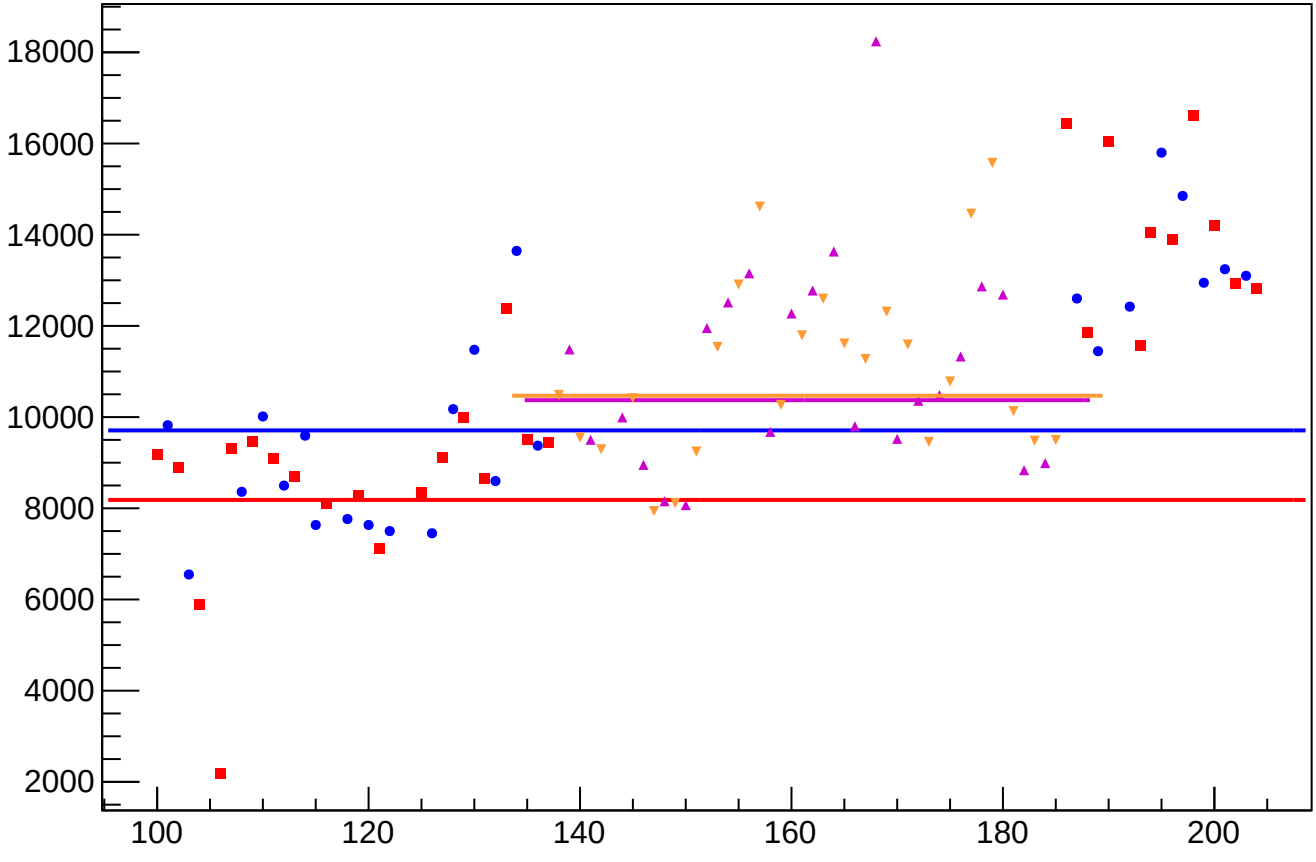
Right: -1741.343+/-1801.106 χ^2/NDF: 53.6/51

In: -732.314+/-1843.176 χ^2/NDF:40.7/46

Out: -1430.528+/-1714.839 χ^2/NDF:56.3/51

All: -1106.573+/-1255.495 χ^2/NDF: 97.1/98

asym_us_avg_at2lr_avg_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 9708.080+/-1.957 χ^2/NDF: 1648227.0/23

Left Out: 10468.677+/-1.755 χ^2/NDF:1045257.2/23

Right Out: 8183.301+/-1.678 χ^2/NDF: 5751839.2/27

Left In: 10370.895+/-1.747 χ^2/NDF:1203758.1/22

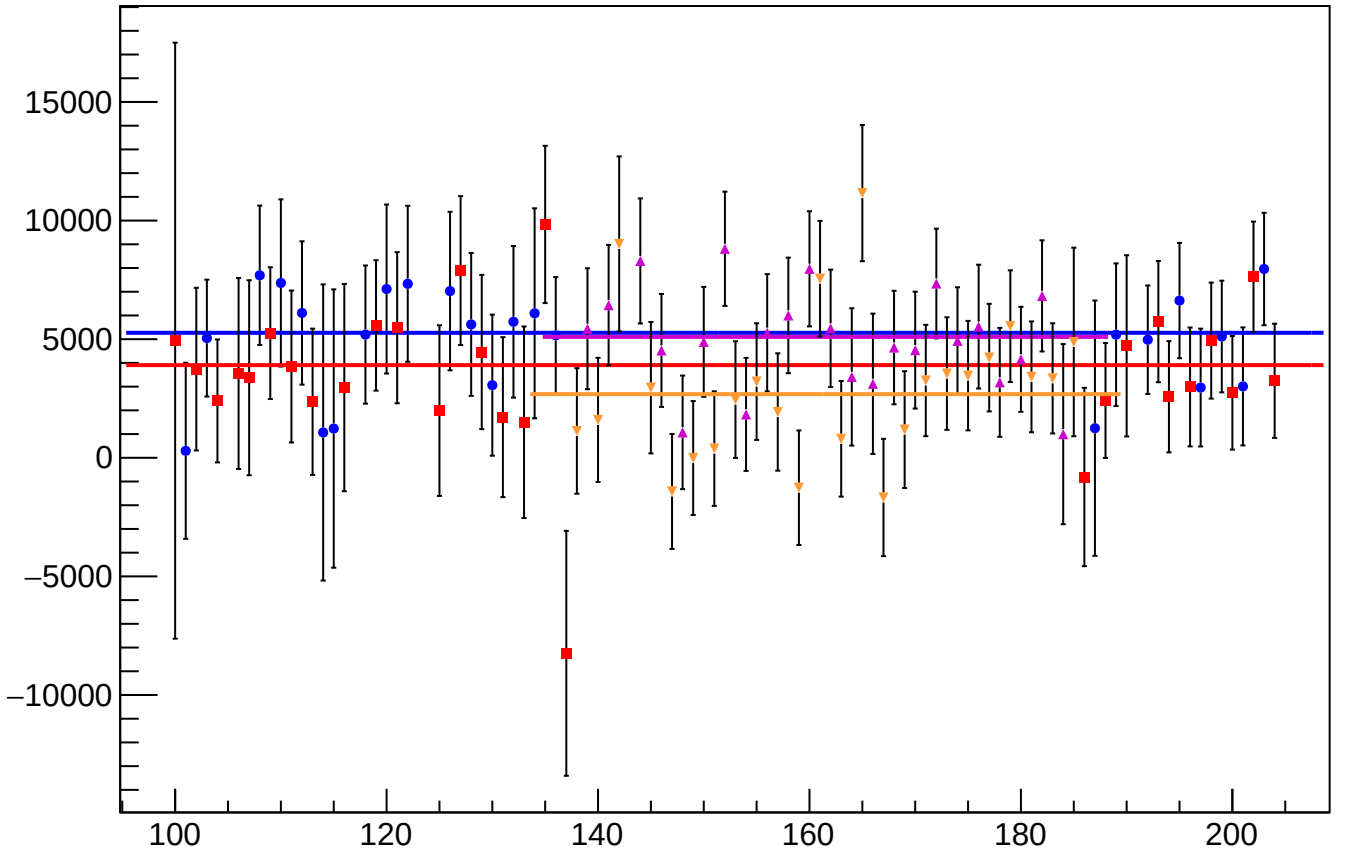
Left: 10419.584+/-1.238 χ^2/NDF: 2250574.4/46

Right: 8829.312+/-1.274 χ^2/NDF: 7750064.3/51

In: 10076.805+/-1.303 χ^2/NDF:2915823.0/46

Out: 9274.708+/-1.213 χ^2/NDF:7683360.1/51

All: 9646.863+/-0.888 χ^2/NDF: 10802200.6/9



Right In: 5269.307+/-608.278 χ^2/NDF: 9.3/23

Left Out: 2682.792+/-512.020 χ^2/NDF:30.8/23

Right Out: 3906.547+/-574.395 χ^2/NDF: 19.0/27

Left In: 5096.334+/-516.232 χ^2/NDF:14.9/22

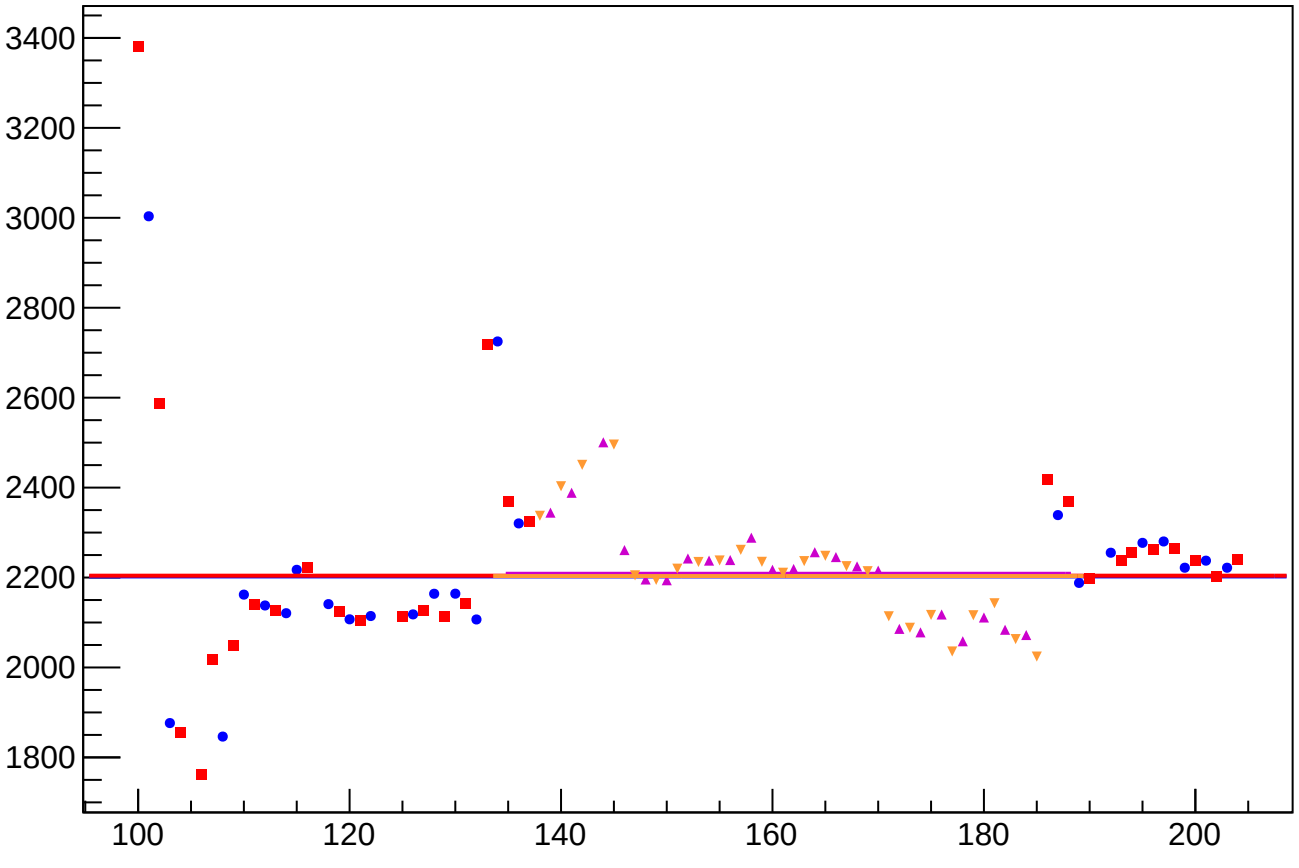
Left: 3879.677+/-363.533 χ^2/NDF: 56.8/46

Right: 4548.916+/-417.624 χ^2/NDF: 30.9/51

In: 5168.756+/-393.594 χ^2/NDF:24.2/46

Out: 3224.640+/-382.210 χ^2/NDF:52.4/51

All: 4168.176+/-274.200 χ^2/NDF: 89.2/98



Right In: 2202.434+/-0.430 χ^2/NDF: 206016.3/23

Left Out: 2203.297+/-0.362 χ^2/NDF:88208.3/23

Right Out: 2204.117+/-0.405 χ^2/NDF: 188001.2/27

Left In: 2208.379+/-0.365 χ^2/NDF:80994.3/22

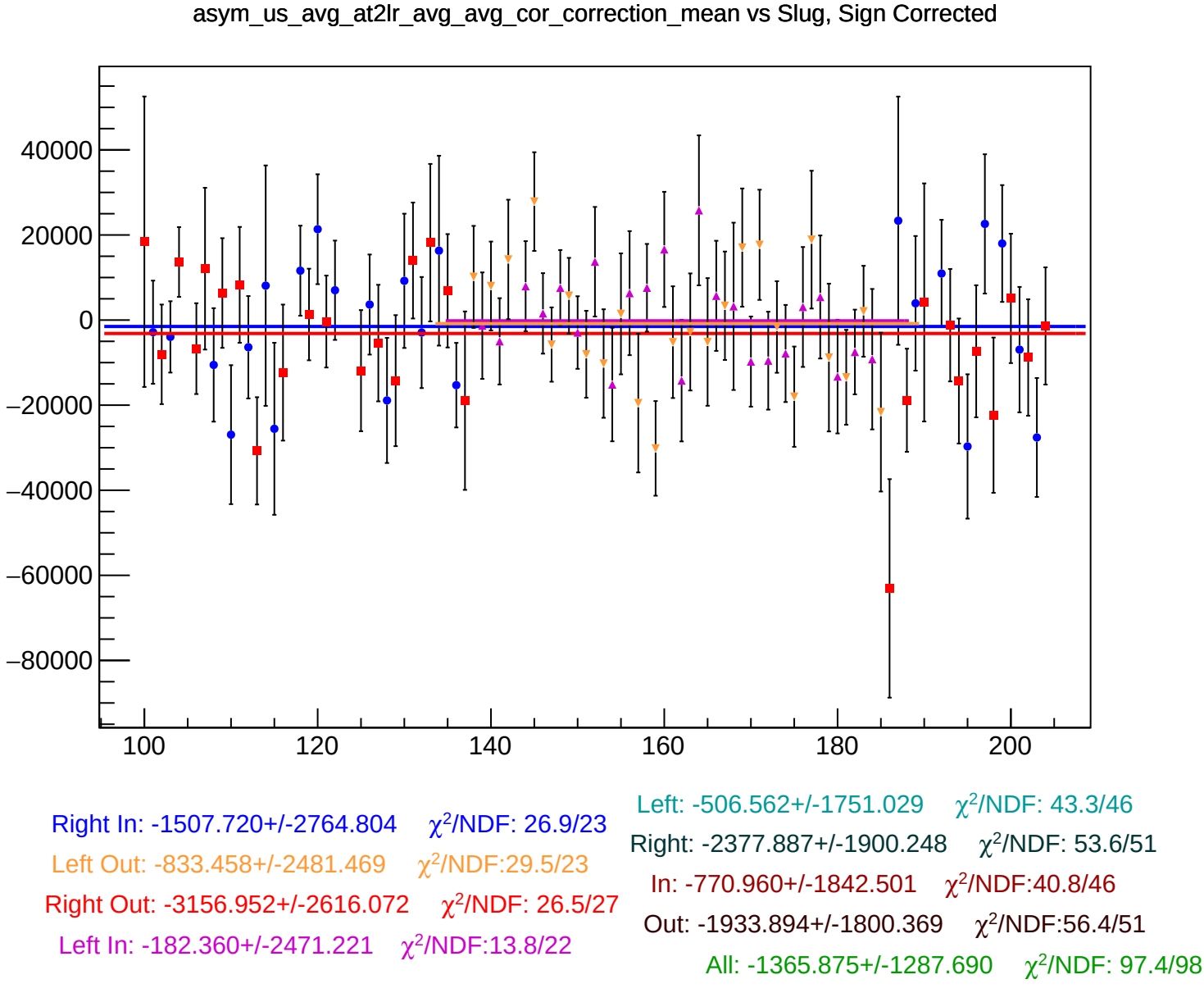
Left: 2205.817+/-0.257 χ^2/NDF: 169300.4/46

Right: 2203.326+/-0.295 χ^2/NDF: 394025.6/51

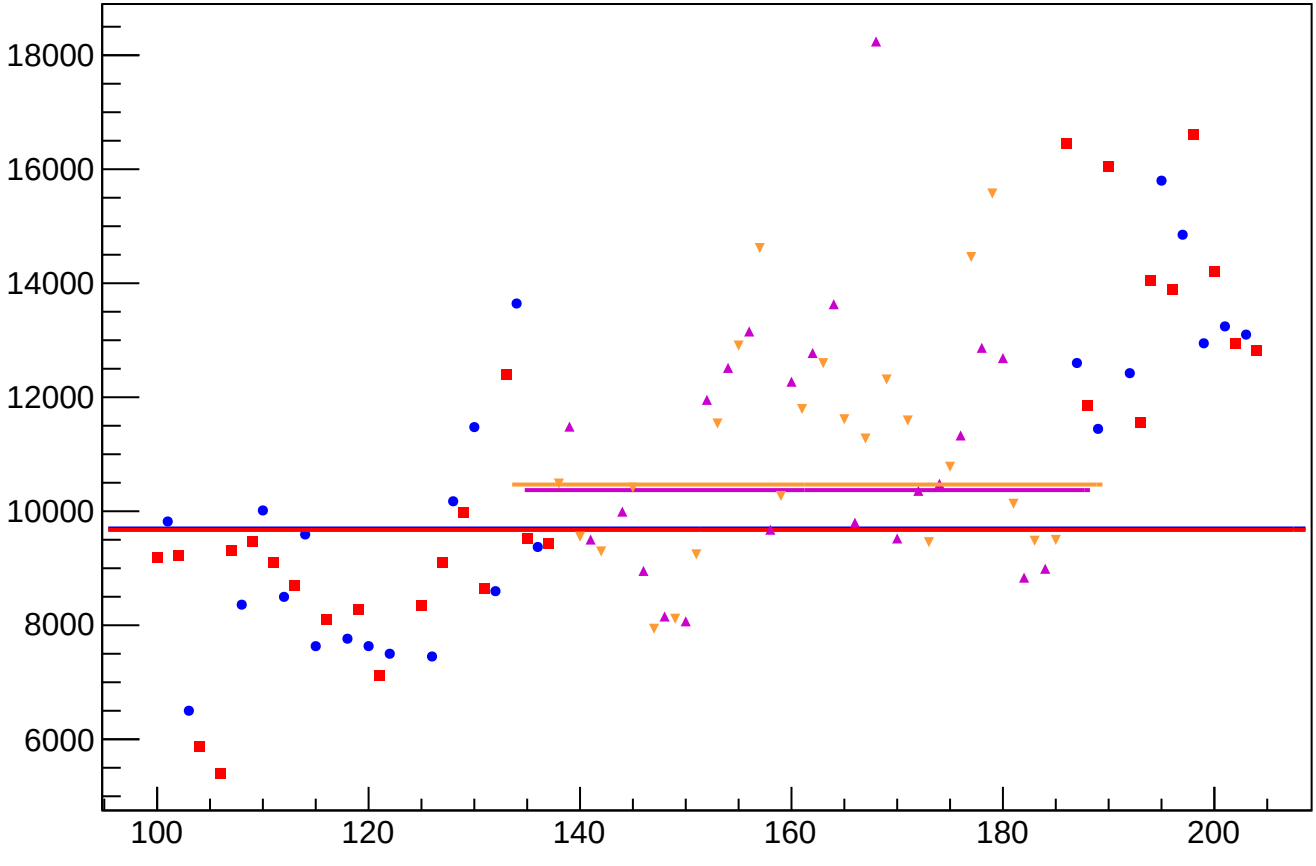
In: 2205.890+/-0.278 χ^2/NDF:287121.7/46

Out: 2203.661+/-0.270 χ^2/NDF:276211.8/51

All: 2204.741+/-0.194 χ^2/NDF: 563366.5/98


asym_us_avg_at2lr_avg_avg_cor_correction_mean vs Slug, Sign Corrected
40000
20000
0
−20000
−40000
−60000
−80000
100
120
140
160
180
200
Right In: -1507.720+/-2764.804 χ²/NDF: 26.9/23
Left Out: -833.458+/-2481.469 χ²/NDF:29.5/23
Right Out: -3156.952+/-2616.072 χ²/NDF: 26.5/27
Left In: -182.360+/-2471.221 χ²/NDF:13.8/22
Left: -506.562+/-1751.029 χ²/NDF: 43.3/46
Right: -2377.887+/-1900.248 χ²/NDF: 53.6/51
In: -770.960+/-1842.501 χ²/NDF:40.8/46
Out: -1933.894+/-1800.369 χ²/NDF:56.4/51
All: -1365.875+/-1287.690 χ²/NDF: 97.4/98

asym_us_avg_at2lr_avg_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 9697.704+/-1.955 χ^2/NDF: 1661060.1/23

Left Out: 10468.676+/-1.755 χ^2/NDF:1045258.5/23

Right Out: 9672.271+/-1.850 χ^2/NDF: 2368016.2/27

Left In: 10370.886+/-1.747 χ^2/NDF:1203763.9/22

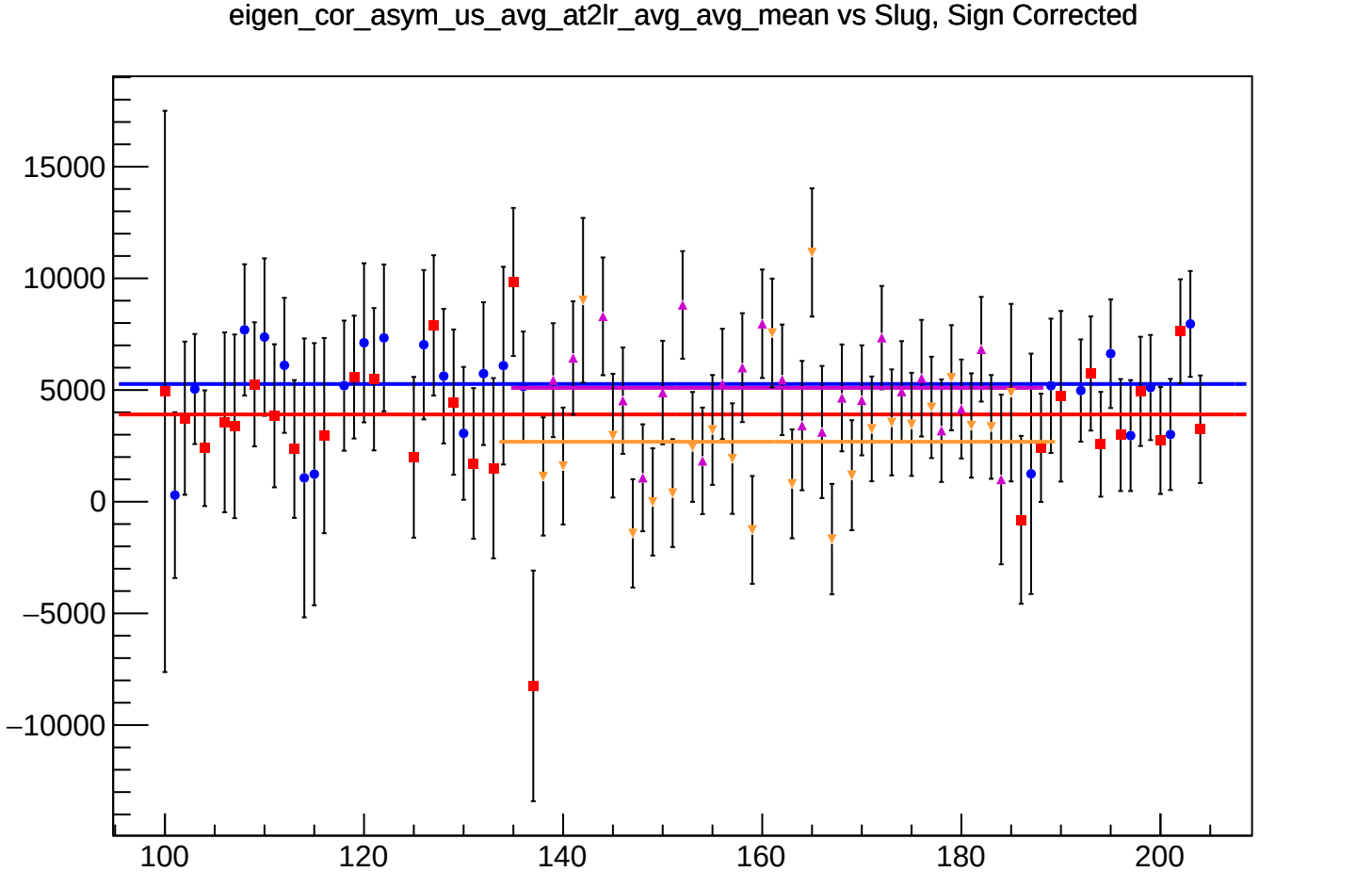
Left: 10419.579+/-1.238 χ^2/NDF: 2250581.8/46

Right: 9684.285+/-1.344 χ^2/NDF: 4029165.6/51

In: 10071.922+/-1.303 χ^2/NDF:2930735.0/46

Out: 10091.489+/-1.273 χ^2/NDF:3510841.8/51

All: 10081.932+/-0.911 χ^2/NDF: 6441692.2/9



Right In: 5269.307+/-608.278 χ^2/NDF: 9.3/23

Left Out: 2682.792+/-512.020 χ^2/NDF:30.8/23

Right Out: 3906.547+/-574.395 χ^2/NDF: 19.0/27

Left In: 5096.334+/-516.232 χ^2/NDF:14.9/22

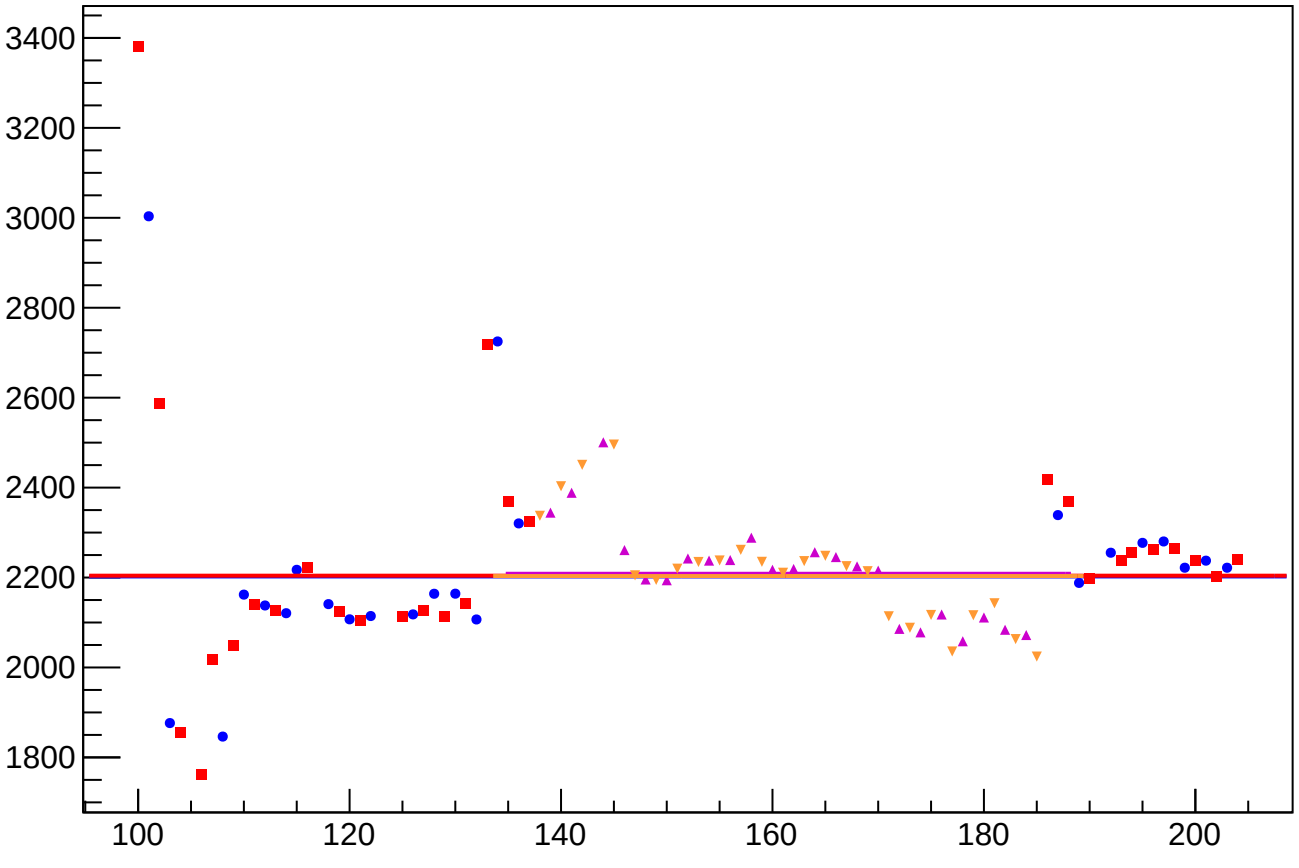
Left: 3879.677+/-363.533 χ^2/NDF: 56.8/46

Right: 4548.916+/-417.624 χ^2/NDF: 30.9/51

In: 5168.756+/-393.594 χ^2/NDF:24.2/46

Out: 3224.640+/-382.210 χ^2/NDF:52.4/51

All: 4168.176+/-274.200 χ^2/NDF: 89.2/98



Right In: 2202.434+/-0.430 χ^2/NDF: 206016.3/23

Left Out: 2203.297+/-0.362 χ^2/NDF:88208.3/23

Right Out: 2204.117+/-0.405 χ^2/NDF: 188001.2/27

Left In: 2208.379+/-0.365 χ^2/NDF:80994.3/22

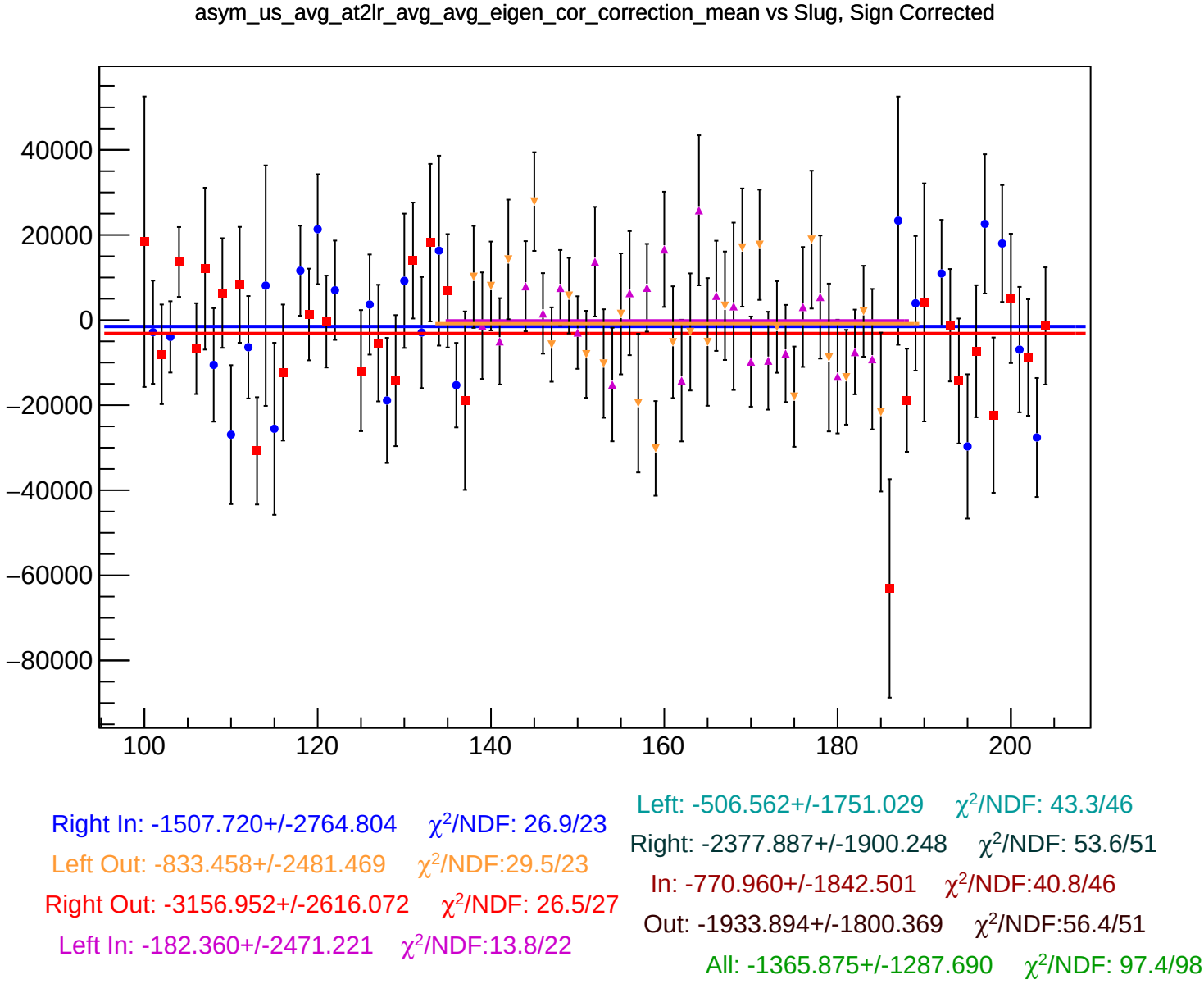
Left: 2205.817+/-0.257 χ^2/NDF: 169300.4/46

Right: 2203.326+/-0.295 χ^2/NDF: 394025.6/51

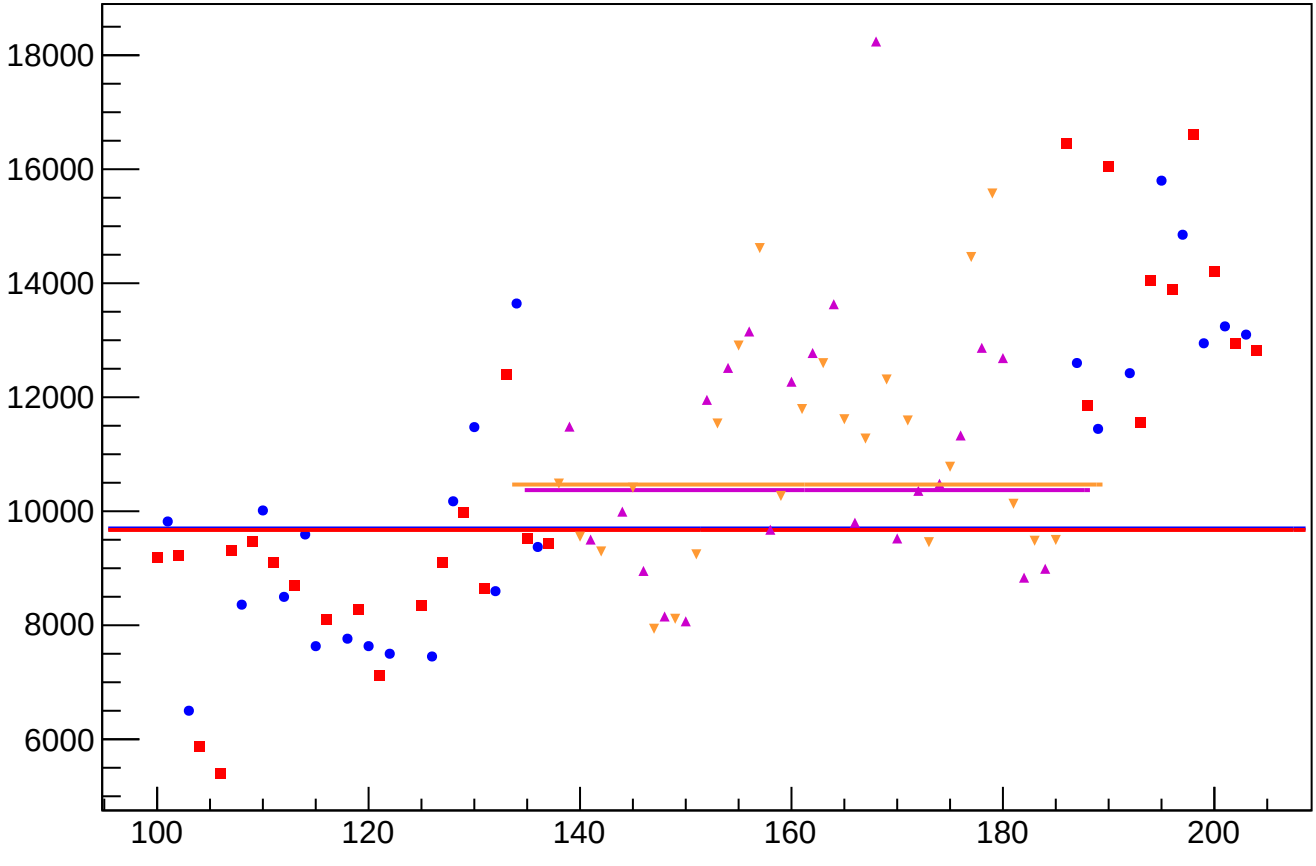
In: 2205.890+/-0.278 χ^2/NDF:287121.7/46

Out: 2203.661+/-0.270 χ^2/NDF:276211.8/51

All: 2204.741+/-0.194 χ^2/NDF: 563366.5/98


asym_us_avg_at2lr_avg_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
40000
20000
0
−20000
−40000
−60000
−80000
100
120
140
160
180
200
Right In: -1507.720+/-2764.804 χ²/NDF: 26.9/23
Left Out: -833.458+/-2481.469 χ²/NDF:29.5/23
Right Out: -3156.952+/-2616.072 χ²/NDF: 26.5/27
Left In: -182.360+/-2471.221 χ²/NDF:13.8/22
Left: -506.562+/-1751.029 χ²/NDF: 43.3/46
Right: -2377.887+/-1900.248 χ²/NDF: 53.6/51
In: -770.960+/-1842.501 χ²/NDF:40.8/46
Out: -1933.894+/-1800.369 χ²/NDF:56.4/51
All: -1365.875+/-1287.690 χ²/NDF: 97.4/98

asym_us_avg_at2lr_avg_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 9697.704+/-1.955 χ^2/NDF: 1661060.1/23

Left Out: 10468.676+/-1.755 χ^2/NDF:1045258.5/23

Right Out: 9672.271+/-1.850 χ^2/NDF: 2368016.2/27

Left In: 10370.886+/-1.747 χ^2/NDF:1203763.9/22

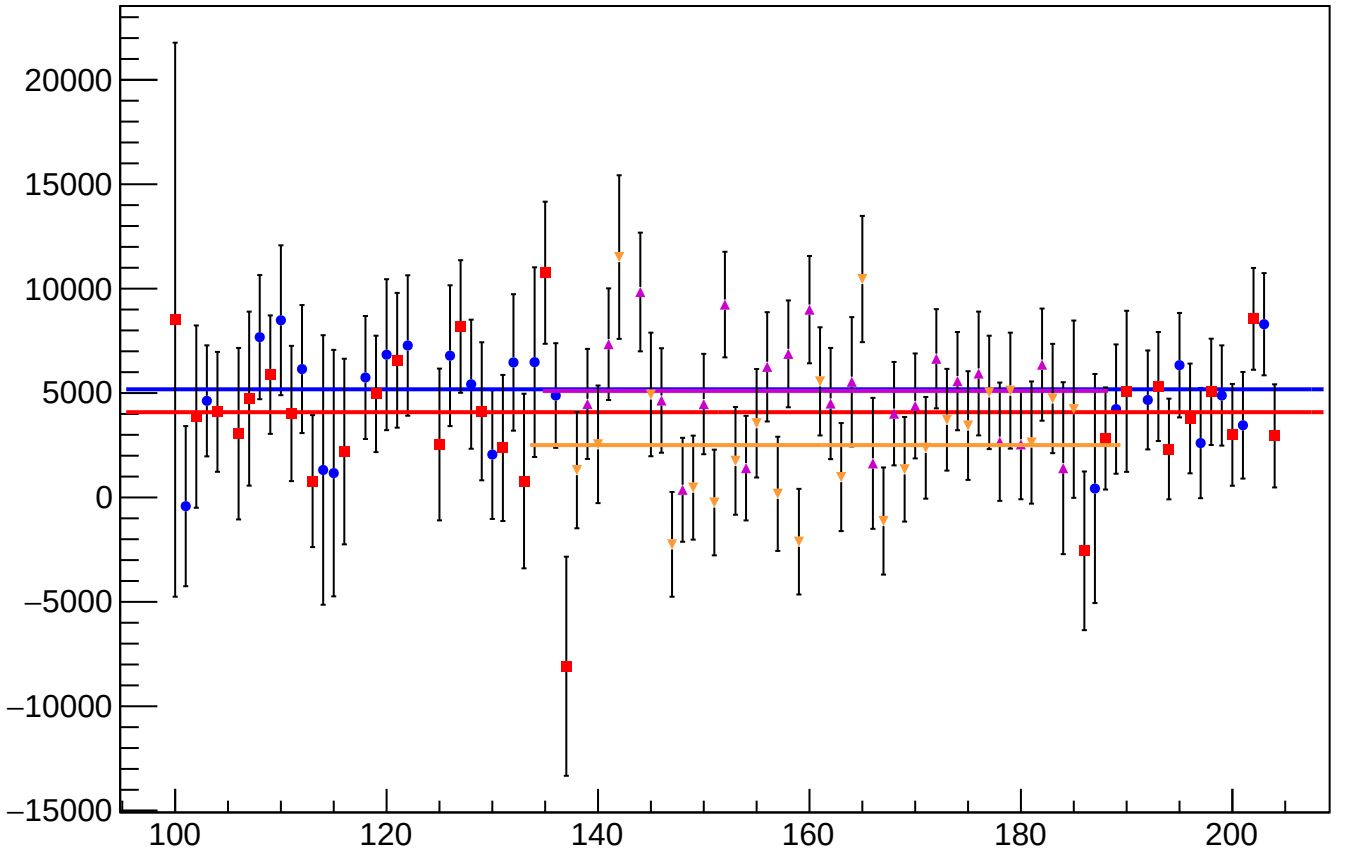
Left: 10419.579+/-1.238 χ^2/NDF: 2250581.8/46

Right: 9684.285+/-1.344 χ^2/NDF: 4029165.6/51

In: 10071.922+/-1.303 χ^2/NDF:2930735.0/46

Out: 10091.489+/-1.273 χ^2/NDF:3510841.8/51

All: 10081.932+/-0.911 χ^2/NDF: 6441692.2/9



Right In: 5180.094+/-626.030 χ^2/NDF: 10.9/23

Left Out: 2508.976+/-551.601 χ^2/NDF:29.8/23

Right Out: 4083.675+/-593.221 χ^2/NDF: 22.6/27

Left In: 5102.993+/-552.583 χ^2/NDF:19.9/22

Left: 3803.678+/-390.387 χ^2/NDF: 60.7/46

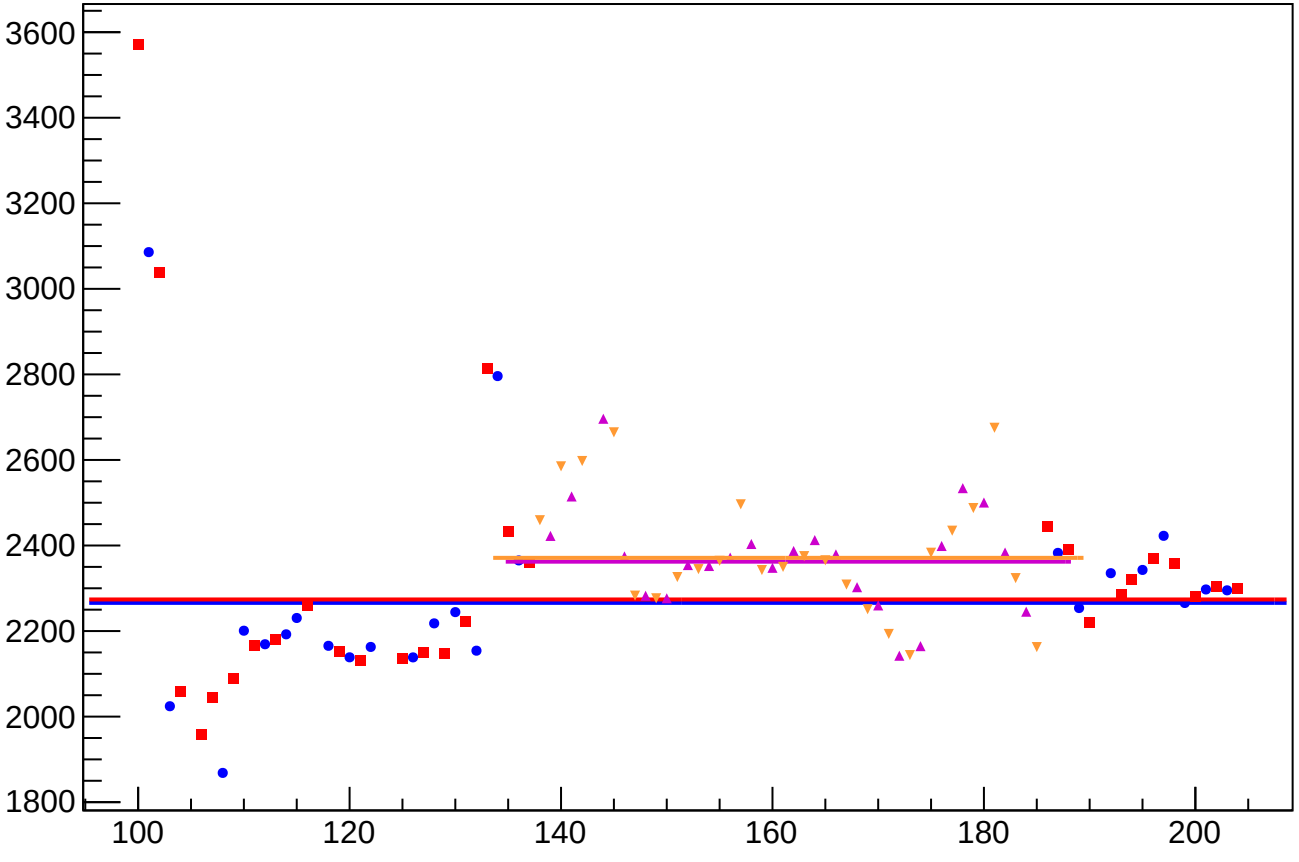
Right: 4602.402+/-430.602 χ^2/NDF: 35.1/51

In: 5136.757+/-414.281 χ^2/NDF:30.9/46

Out: 3239.153+/-403.954 χ^2/NDF:56.2/51

All: 4164.009+/-289.220 χ^2/NDF: 97.8/98

dit_asym_us_avg_at2lr_avg_avg_rms vs Slug, Sign Corrected



Right In: 2265.910+/-0.443 χ^2/NDF: 201770.9/23

Left Out: 2371.137+/-0.390 χ^2/NDF:116296.5/23

Right Out: 2273.859+/-0.419 χ^2/NDF: 192888.3/27

Left In: 2362.218+/-0.391 χ^2/NDF:91896.7/22

Left: 2366.685+/-0.276 χ^2/NDF: 208454.2/46

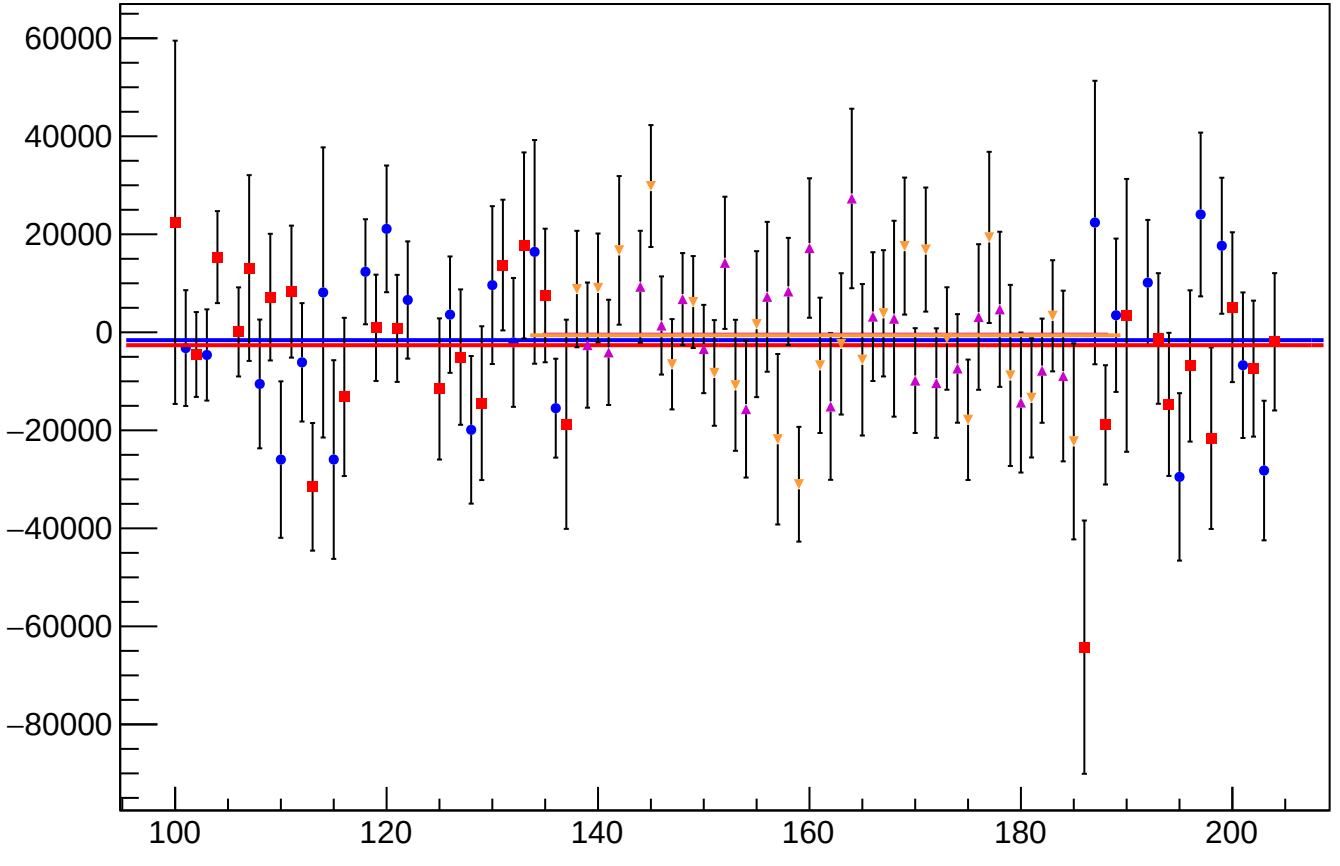
Right: 2270.099+/-0.304 χ^2/NDF: 394829.2/51

In: 2320.042+/-0.293 χ^2/NDF:320272.6/46

Out: 2326.015+/-0.286 χ^2/NDF:338036.9/51

All: 2323.104+/-0.204 χ^2/NDF: 658522.7/98

asym_us_avg_at2lr_avg_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -1602.575+/-2811.918 χ^2/NDF: 26.7/23

Left Out: -608.283+/-2589.919 χ^2/NDF:28.9/23

Right Out: -2627.774+/-2581.249 χ^2/NDF: 26.2/27

Left In: -490.044+/-2577.213 χ^2/NDF:13.5/22

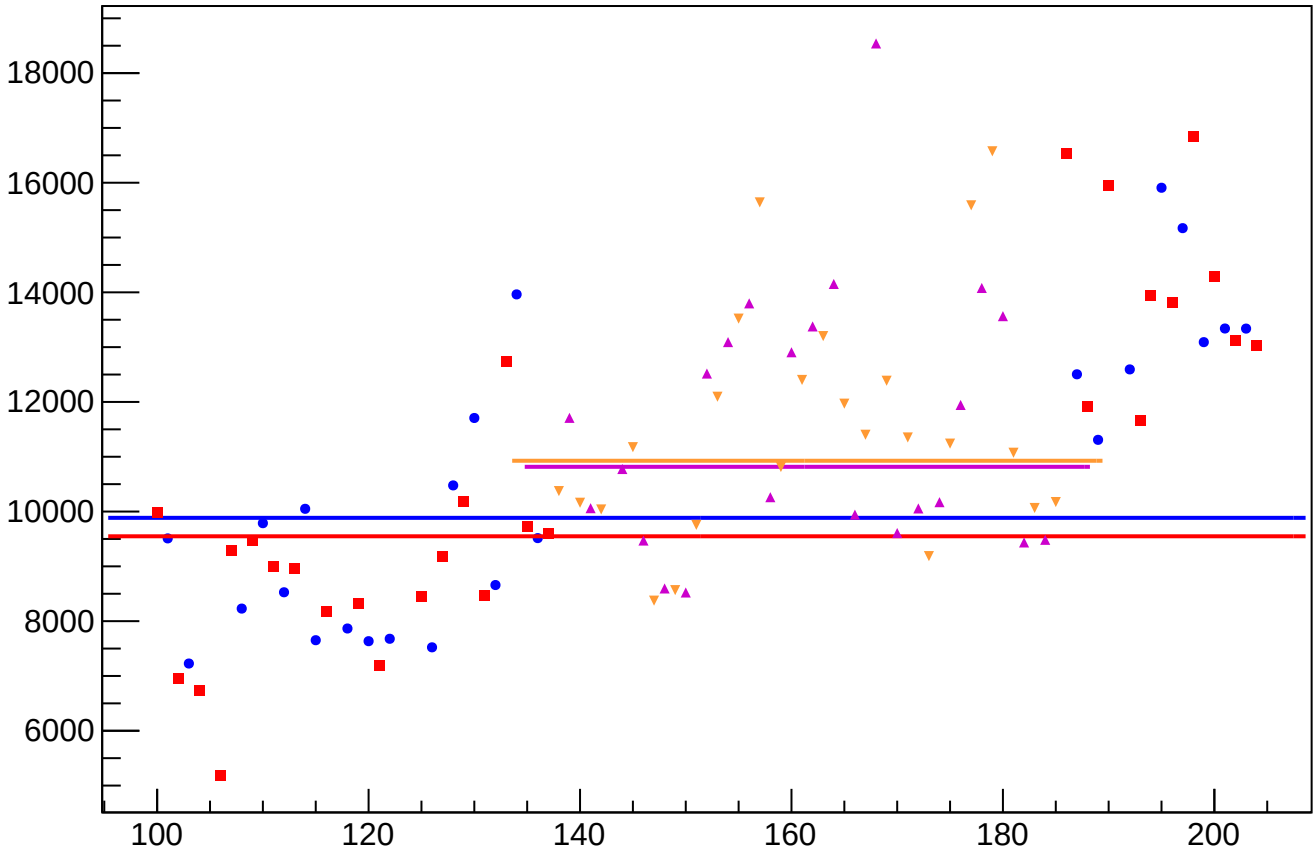
Left: -548.873+/-1826.841 χ^2/NDF: 42.4/46

Right: -2158.943+/-1901.546 χ^2/NDF: 53.0/51

In: -997.949+/-1899.931 χ^2/NDF:40.4/46

Out: -1621.415+/-1828.276 χ^2/NDF:55.4/51

All: -1321.660+/-1317.390 χ^2/NDF: 95.8/98



Right In: 9885.287+/-1.988 χ^2/NDF: 1542113.0/23

Left Out: 10926.860+/-1.831 χ^2/NDF:1057331.1/23

Right Out: 9548.625+/-1.825 χ^2/NDF: 2517548.7/27

Left In: 10816.320+/-1.822 χ^2/NDF:1196820.9/22

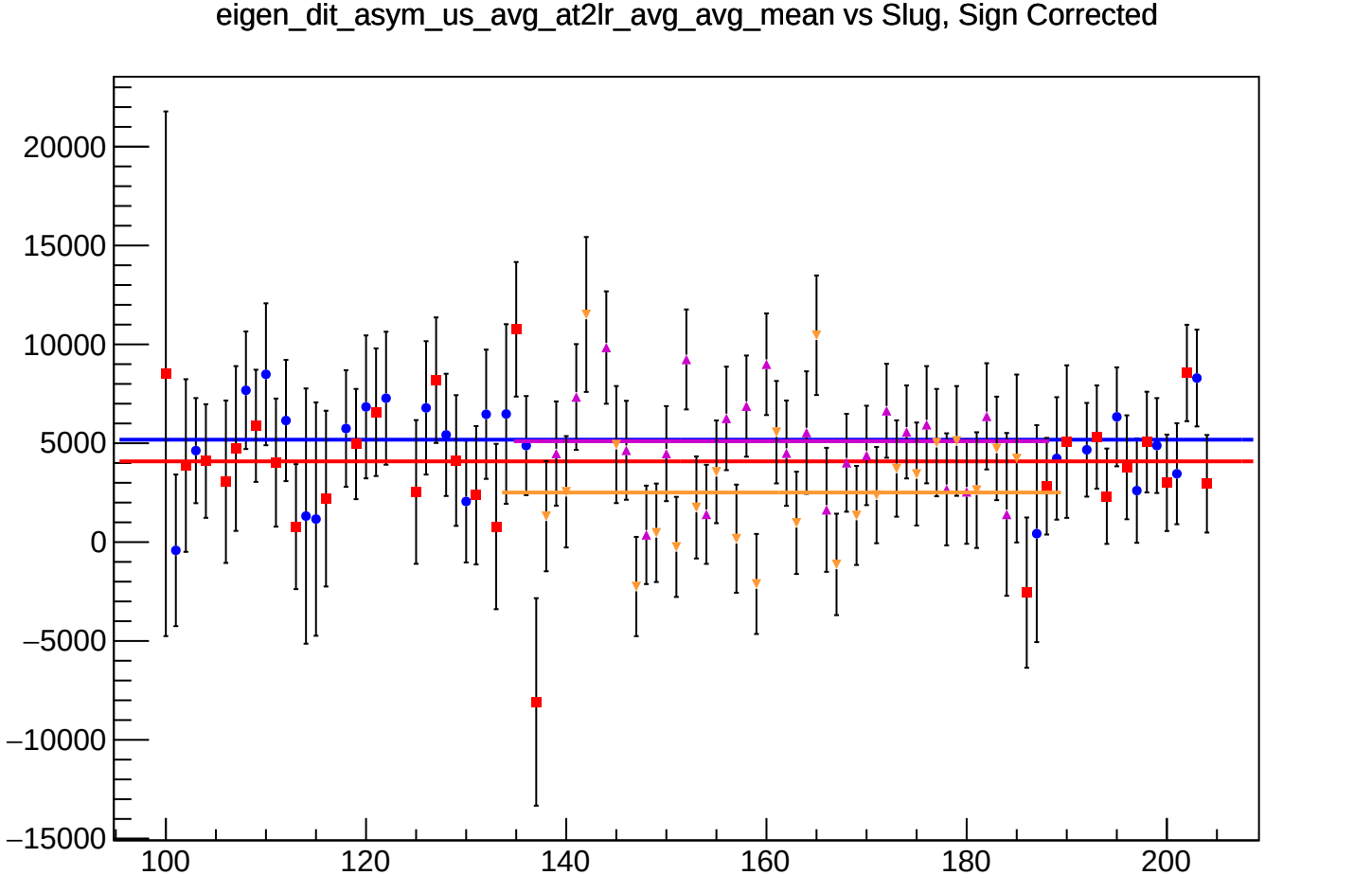
Left: 10871.318+/-1.292 χ^2/NDF: 2255982.7/46

Right: 9702.583+/-1.345 χ^2/NDF: 4075220.2/51

In: 10391.275+/-1.343 χ^2/NDF:2858093.7/46

Out: 10235.432+/-1.293 χ^2/NDF:3859017.2/51

All: 10310.359+/-0.932 χ^2/NDF: 6724097.6/9



Right In: 5180.086+/-626.030 χ^2/NDF: 10.9/23

Left Out: 2508.963+/-551.602 χ^2/NDF:29.8/23

Right Out: 4083.674+/-593.221 χ^2/NDF: 22.6/27

Left In: 5102.996+/-552.584 χ^2/NDF:19.9/22

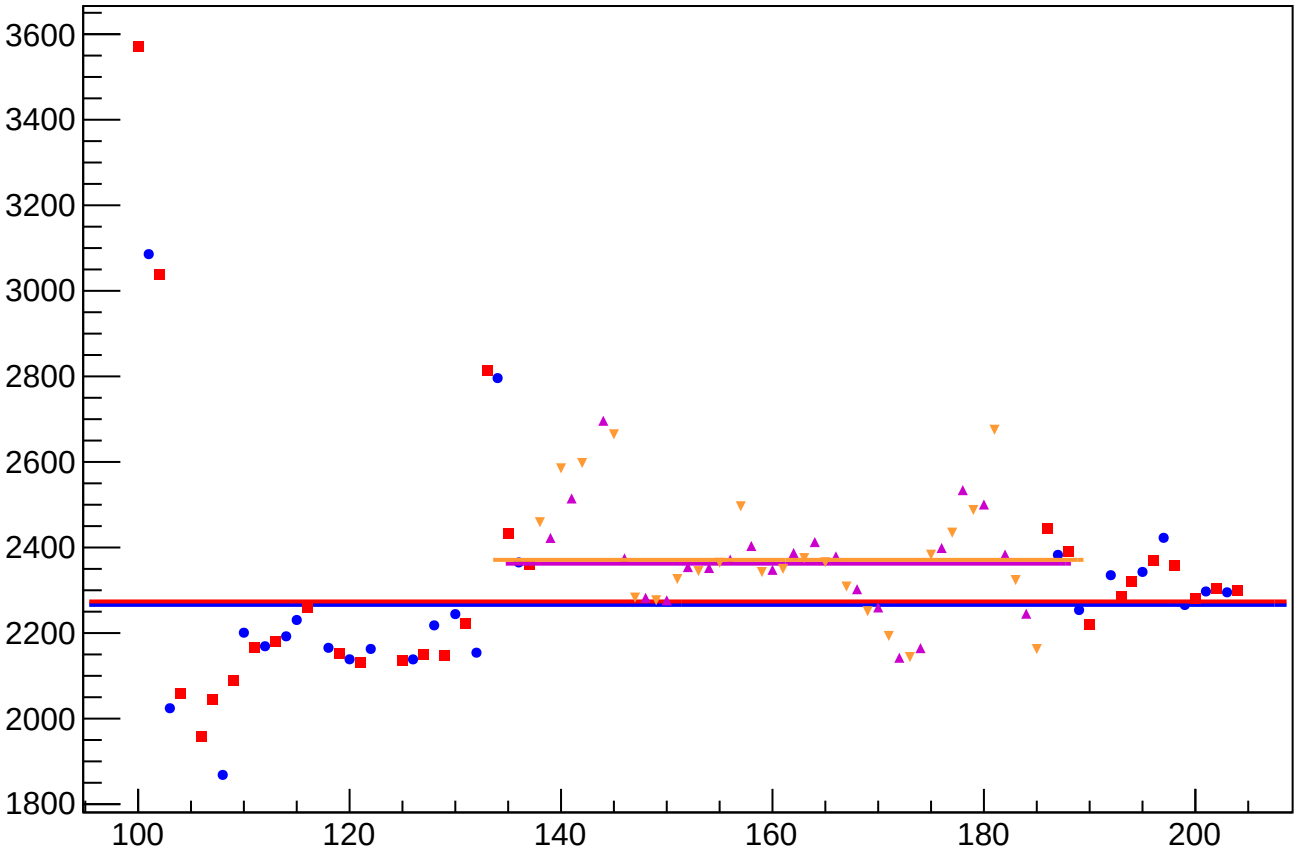
Left: 3803.673+/-390.388 χ^2/NDF: 60.7/46

Right: 4602.398+/-430.602 χ^2/NDF: 35.1/51

In: 5136.756+/-414.281 χ^2/NDF:30.9/46

Out: 3239.147+/-403.954 χ^2/NDF:56.2/51

All: 4164.005+/-289.221 χ^2/NDF: 97.8/98



Right In: 2265.909+/-0.443 χ^2/NDF: 201771.3/23

Left Out: 2371.140+/-0.390 χ^2/NDF:116300.8/23

Right Out: 2273.859+/-0.419 χ^2/NDF: 192888.7/27

Left In: 2362.221+/-0.391 χ^2/NDF:91901.3/22

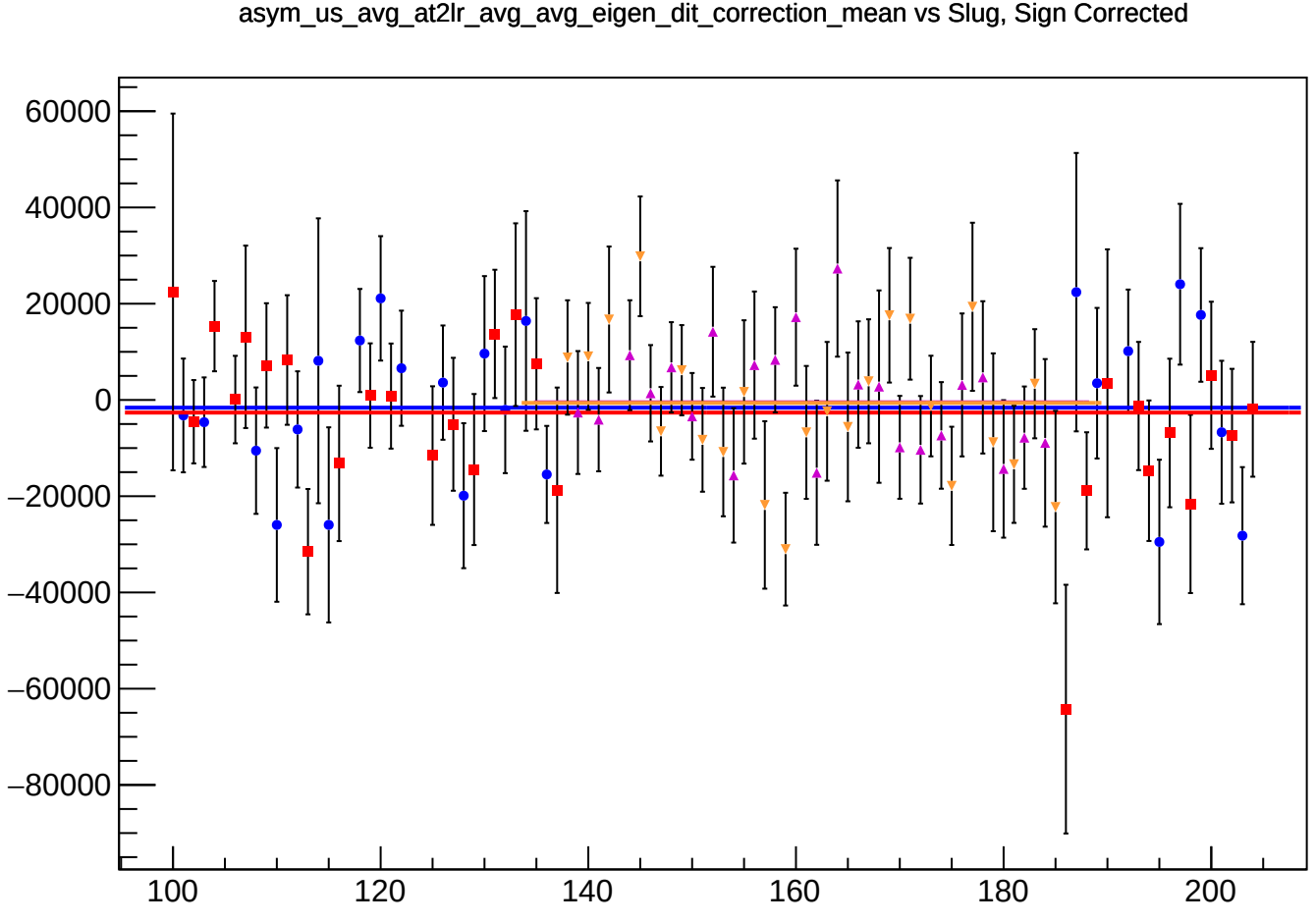
Left: 2366.689+/-0.276 χ^2/NDF: 208463.0/46

Right: 2270.099+/-0.304 χ^2/NDF: 394830.0/51

In: 2320.044+/-0.293 χ^2/NDF:320279.6/46

Out: 2326.017+/-0.286 χ^2/NDF:338043.4/51

All: 2323.106+/-0.204 χ^2/NDF: 658536.2/98



Right In: -1602.560+/-2811.914 χ^2/NDF: 26.7/23

Left Out: -608.291+/-2589.924 χ^2/NDF:28.9/23

Right Out: -2627.761+/-2581.245 χ^2/NDF: 26.2/27

Left In: -490.047+/-2577.218 χ^2/NDF:13.5/22

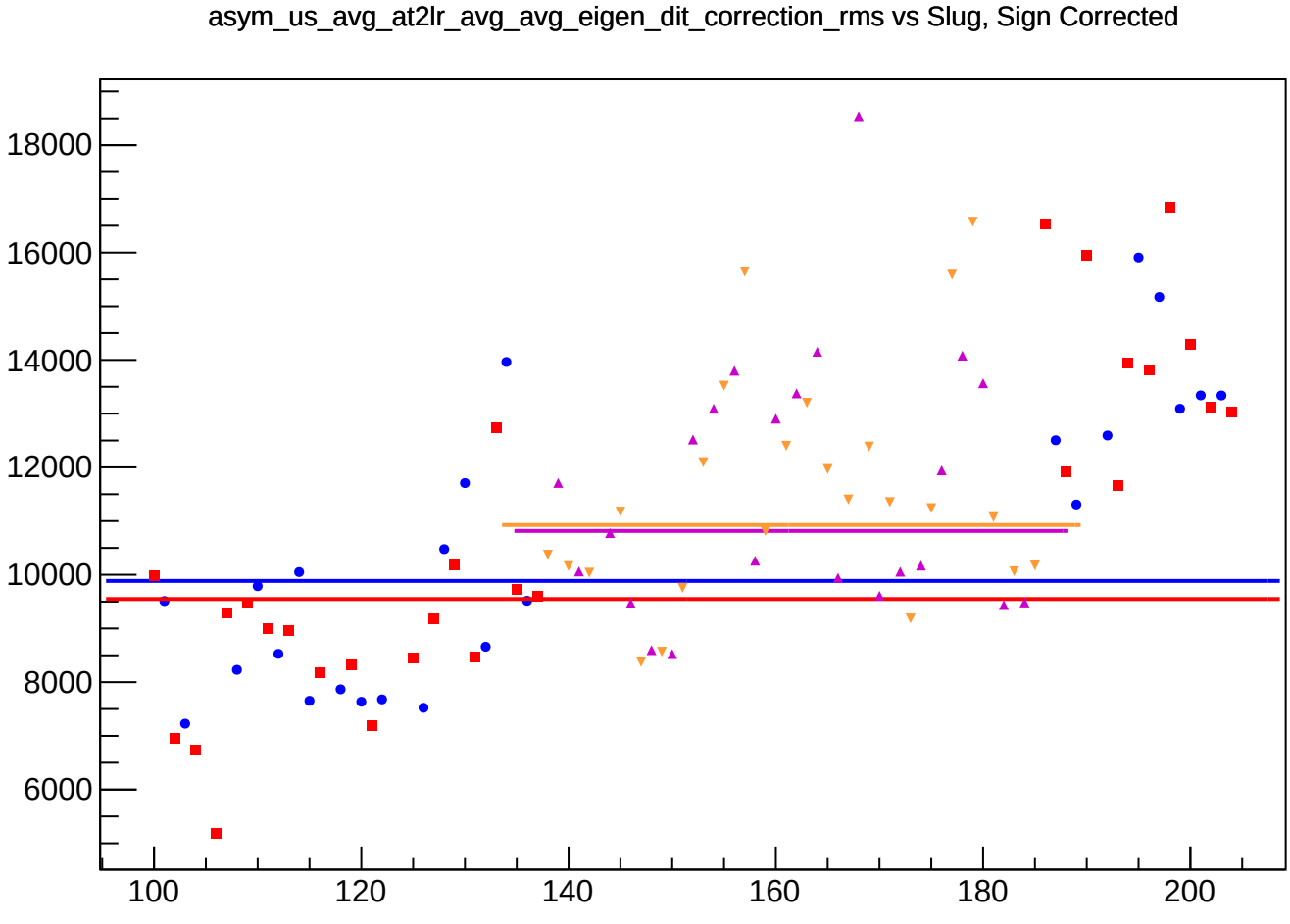
Left: -548.878+/-1826.844 χ^2/NDF: 42.4/46

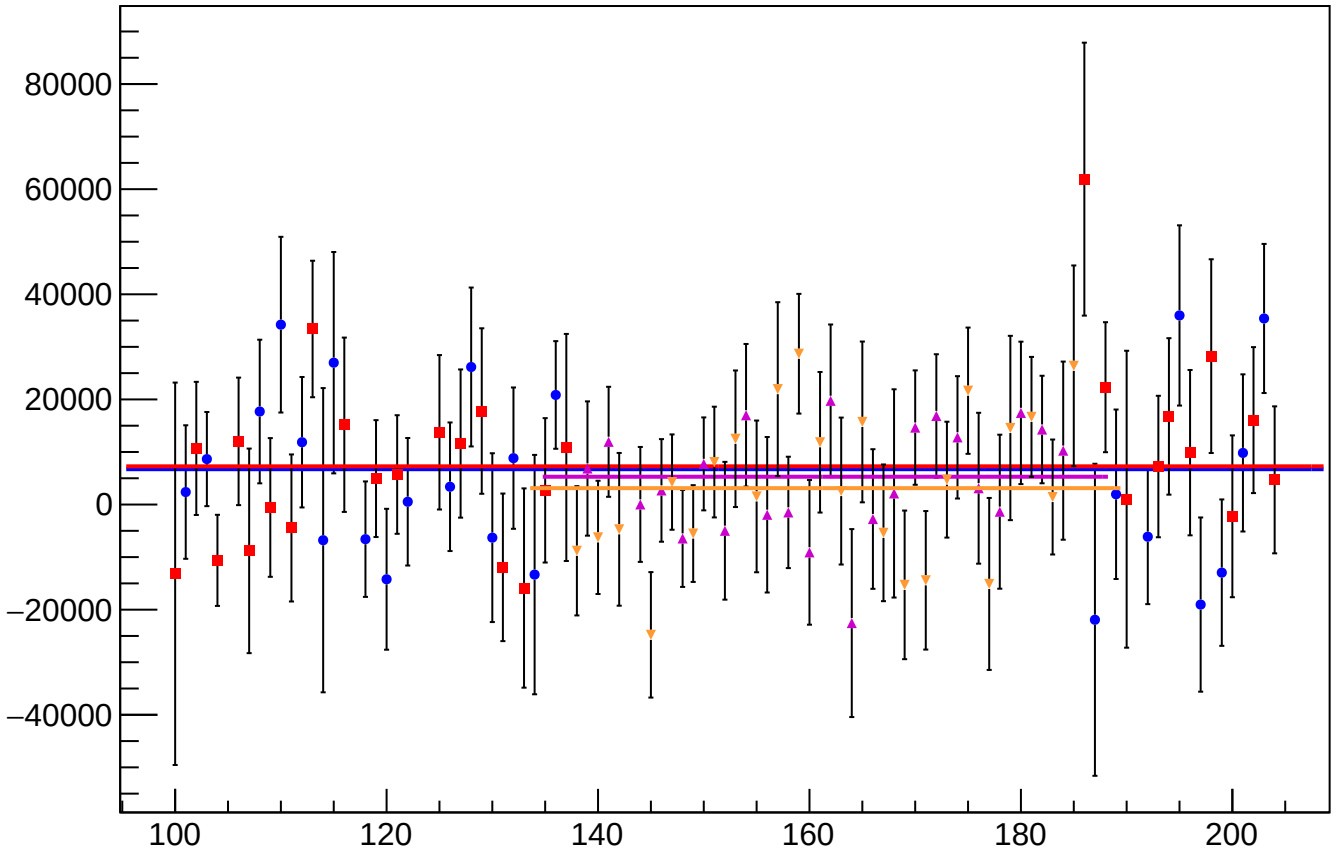
Right: -2158.929+/-1901.543 χ^2/NDF: 53.0/51

In: -997.945+/-1899.931 χ^2/NDF:40.4/46

Out: -1621.415+/-1828.277 χ^2/NDF:55.4/51

All: -1321.658+/-1317.390 χ^2/NDF: 95.8/98


asym_us_avg_at2lr_avg_avg_eigen_dit_correction_rms vs Slug, Sign Corrected
18000
16000
14000
12000
10000
8000
6000
100
120
140
160
180
200
Right In: 9885.270+/-1.988 χ²/NDF: 1542133.8/23
Left Out: 10926.878+/-1.831 χ²/NDF:1057333.6/23
Right Out: 9548.609+/-1.825 χ²/NDF: 2517567.8/27
Left In: 10816.337+/-1.822 χ²/NDF:1196824.5/22
Left: 10871.336+/-1.292 χ²/NDF: 2255988.7/46
Right: 9702.567+/-1.345 χ²/NDF: 4075260.0/51
In: 10391.275+/-1.343 χ²/NDF:2858126.8/46
Out: 10235.431+/-1.293 χ²/NDF:3859052.4/51
All: 10310.358+/-0.932 χ²/NDF: 6724166.0/9



Right In: 6724.467+/-2853.244 χ^2/NDF: 27.6/23

Left Out: 3119.161+/-2542.855 χ^2/NDF:27.4/23

Right Out: 7270.458+/-2712.407 χ^2/NDF: 23.6/27

Left In: 5290.718+/-2532.995 χ^2/NDF:13.3/22

Left: 4209.158+/-1794.574 χ^2/NDF: 41.1/46

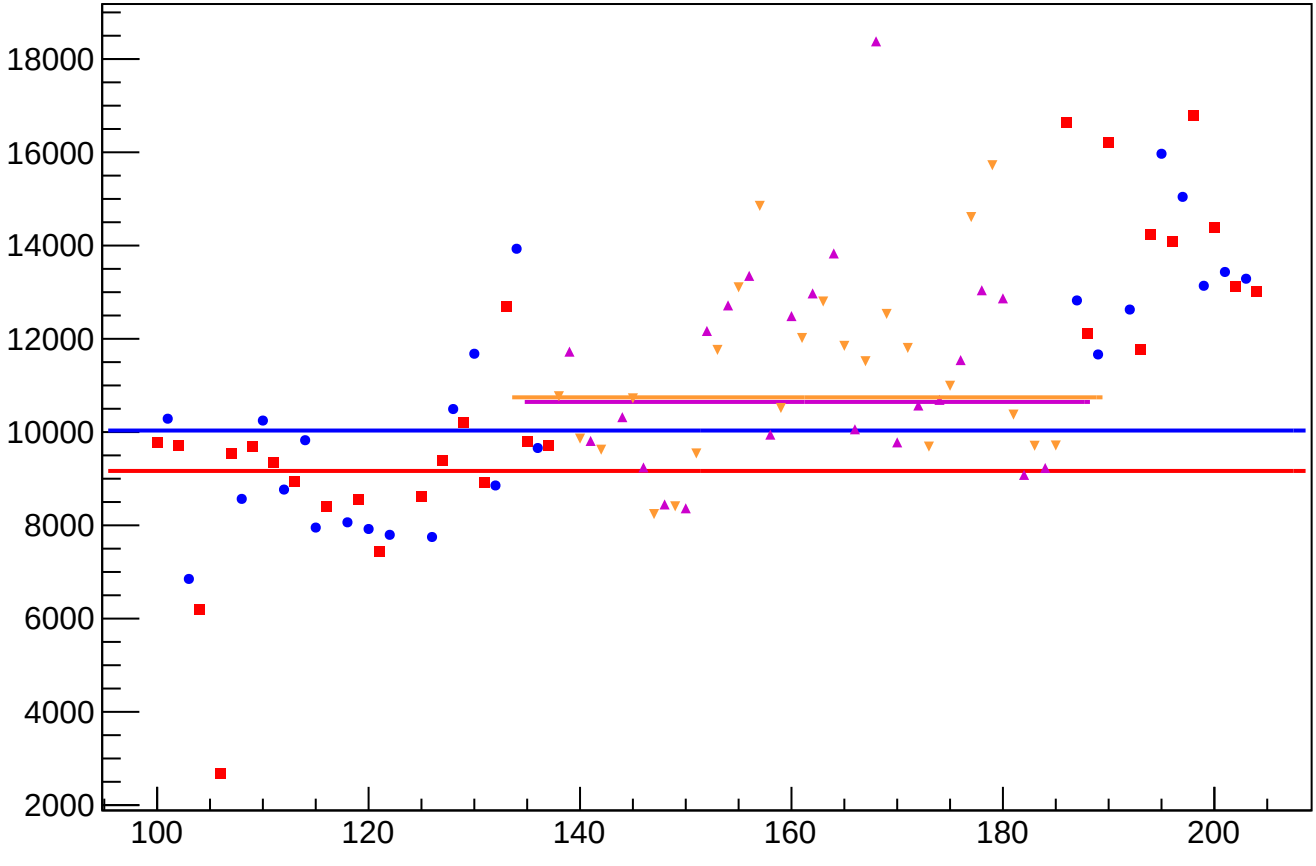
Right: 7011.270+/-1965.865 χ^2/NDF: 51.2/51

In: 5922.646+/-1894.246 χ^2/NDF:41.0/46

Out: 5061.015+/-1855.116 χ^2/NDF:52.3/51

All: 5482.839+/-1325.383 χ^2/NDF: 93.5/98

asym_us_avg_at2lr_avg_avg_rms vs Slug, Sign Corrected



Right In: 10033.147+/-2.018 χ^2/NDF: 1518922.2/23

Left Out: 10745.331+/-1.798 χ^2/NDF:964618.1/23

Right Out: 9166.513+/-1.818 χ^2/NDF: 4039923.3/27

Left In: 10646.477+/-1.791 χ^2/NDF:1114064.0/22

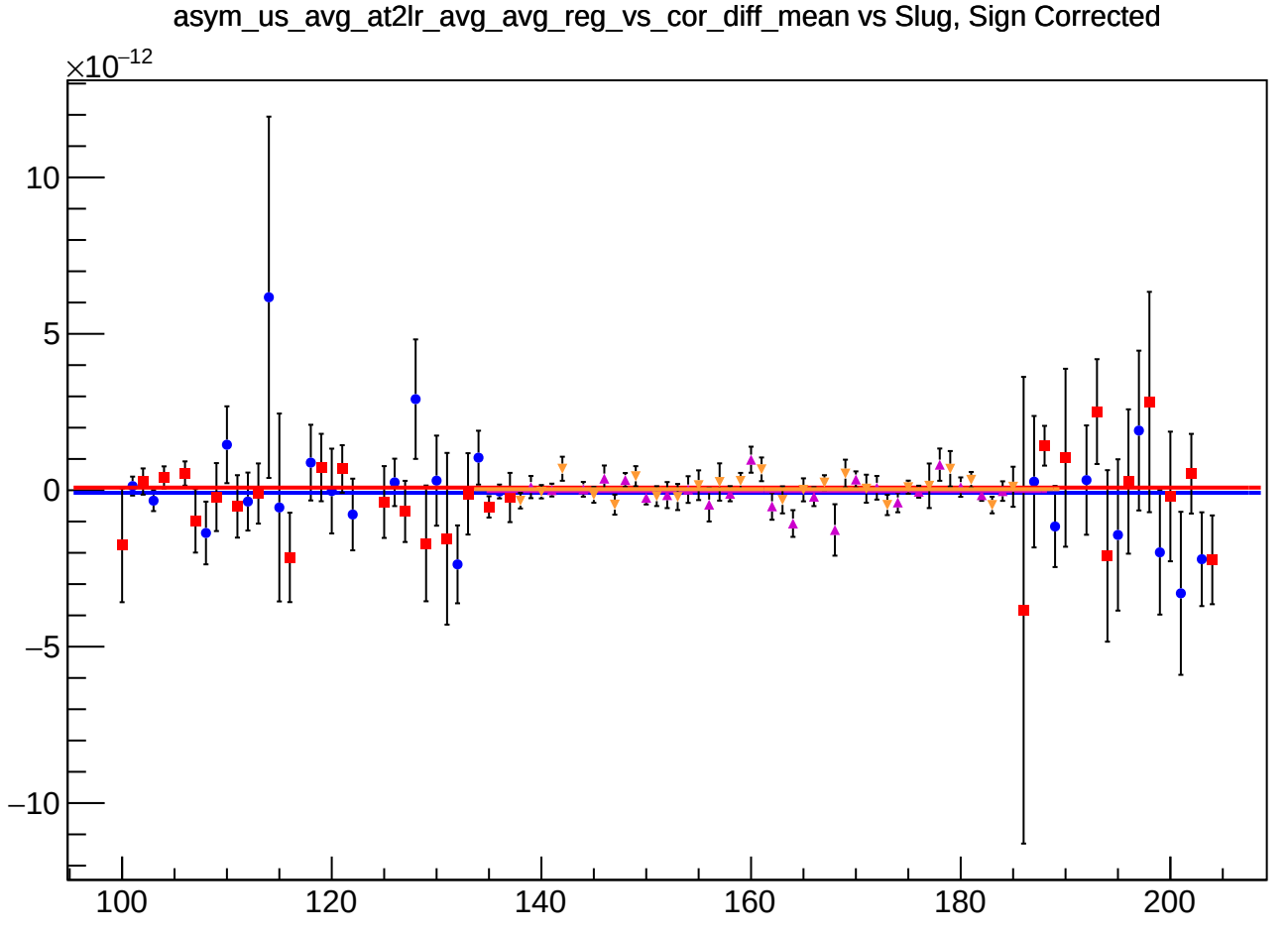
Left: 10695.712+/-1.269 χ^2/NDF: 2080199.2/46

Right: 9554.985+/-1.351 χ^2/NDF: 5660650.7/51

In: 10376.147+/-1.339 χ^2/NDF:2684669.3/46

Out: 9964.839+/-1.279 χ^2/NDF:5385683.5/51

All: 10160.940+/-0.925 χ^2/NDF: 8119691.2/9



Right In: -0.000+/-0.000 χ^2/NDF: 20.5/23

Left Out: 0.000+/-0.000 χ^2/NDF:26.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 24.9/27

Left In: -0.000+/-0.000 χ^2/NDF:27.9/22

Left: 0.000+/-0.000 χ^2/NDF: 54.6/46

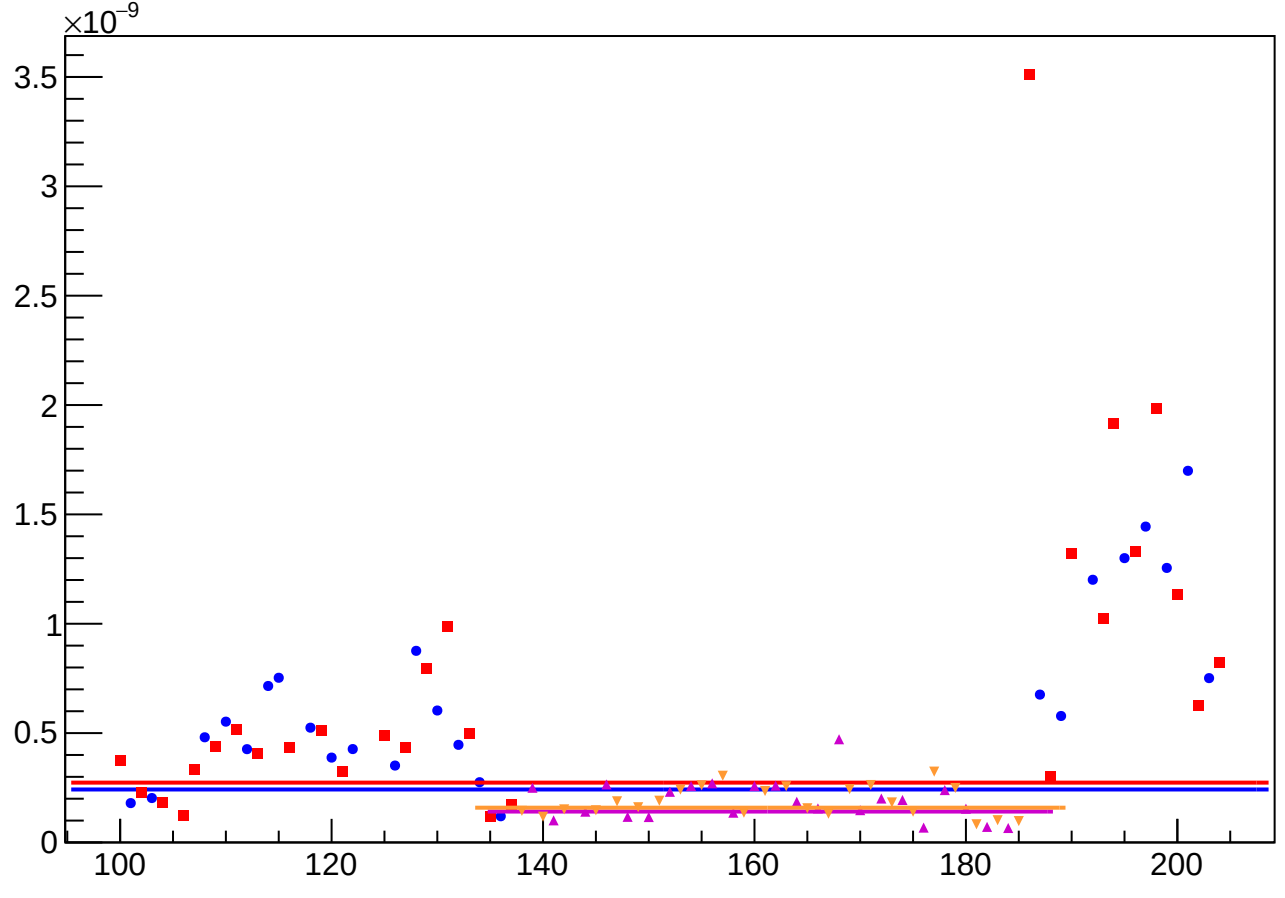
Right: -0.000+/-0.000 χ^2/NDF: 46.1/51

In: -0.000+/-0.000 χ^2/NDF:48.6/46

Out: 0.000+/-0.000 χ^2/NDF:51.3/51

All: 0.000+/-0.000 χ^2/NDF: 100.7/98

asym_us_avg_at2lr_avg_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 4767525.5/23

Left Out: 0.000+/-0.000 χ^2/NDF:1297018.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 5177210.8/27

Left In: 0.000+/-0.000 χ^2/NDF:2396288.8/22

Left: 0.000+/-0.000 χ^2/NDF: 3771928.7/46

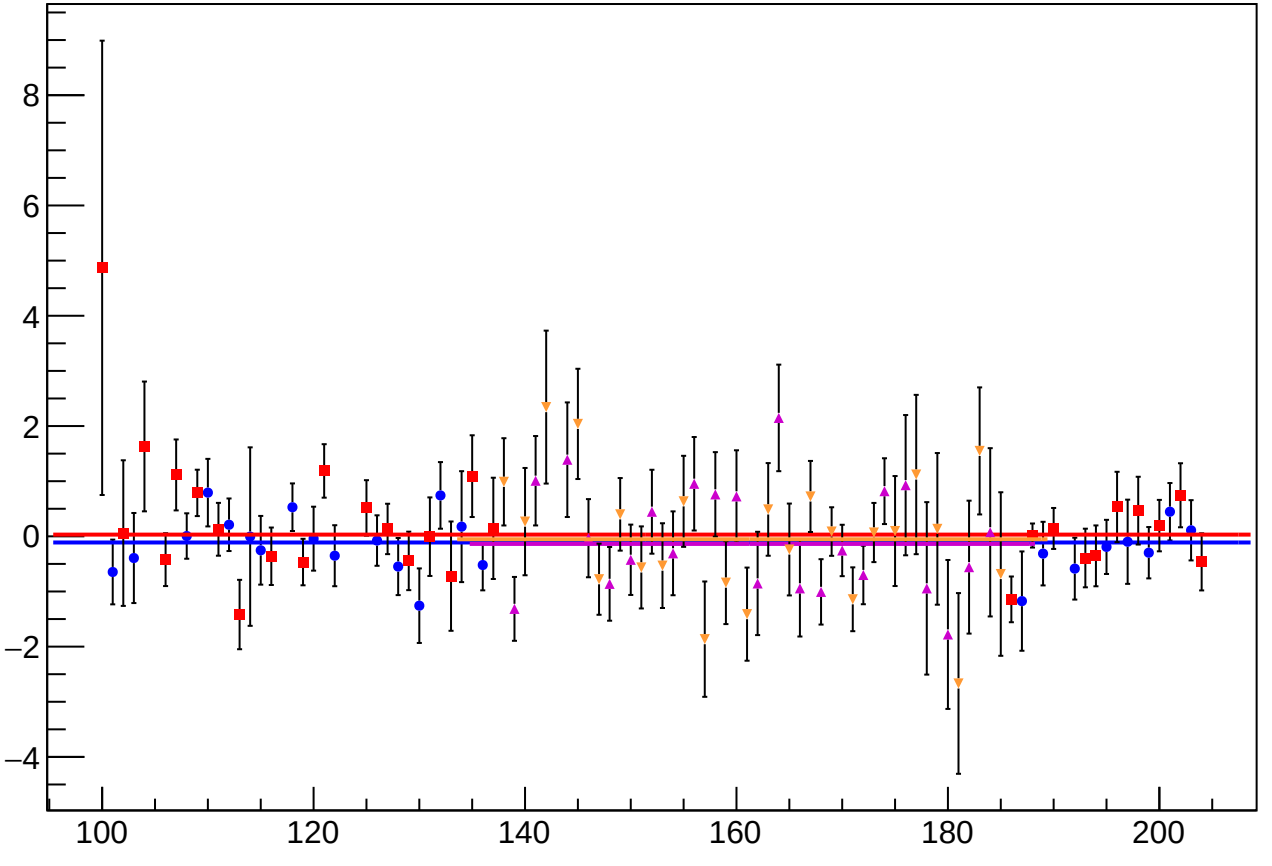
Right: 0.000+/-0.000 χ^2/NDF: 9992581.0/51

In: 0.000+/-0.000 χ^2/NDF:8053395.7/46

Out: 0.000+/-0.000 χ^2/NDF:7475956.7/51

All: 0.000+/-0.000 χ^2/NDF: 15649963.4/98

asym_us_avg_at2lr_avg_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.111+/-0.115 χ^2/NDF: 16.3/23

Left Out: -0.053+/-0.161 χ^2/NDF:30.1/23

Right Out: 0.031+/-0.095 χ^2/NDF: 40.5/27

Left In: -0.138+/-0.158 χ^2/NDF:30.0/22

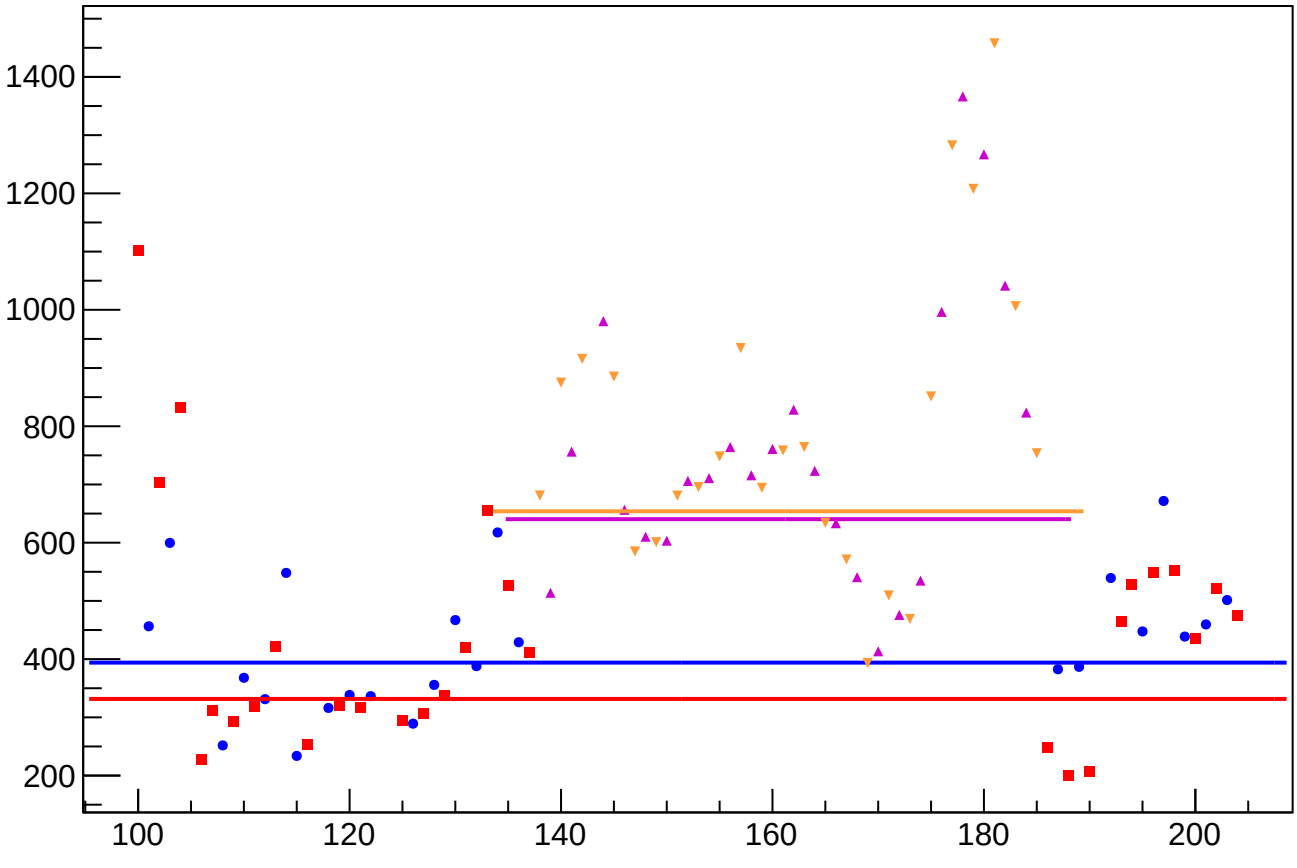
Left: -0.096+/-0.113 χ^2/NDF: 60.2/46

Right: -0.027+/-0.073 χ^2/NDF: 57.7/51

In: -0.121+/-0.093 χ^2/NDF:46.3/46

Out: 0.009+/-0.082 χ^2/NDF:70.8/51

All: -0.048+/-0.061 χ^2/NDF: 118.2/98



Right In: 394.016+/-0.081 χ^2/NDF: 1481987.1/23

Left Out: 653.930+/-0.114 χ^2/NDF:3124472.6/23

Right Out: 331.657+/-0.067 χ^2/NDF: 3581070.8/27

Left In: 640.392+/-0.112 χ^2/NDF:2647967.4/22

Left: 647.014+/-0.080 χ^2/NDF: 5779634.4/46

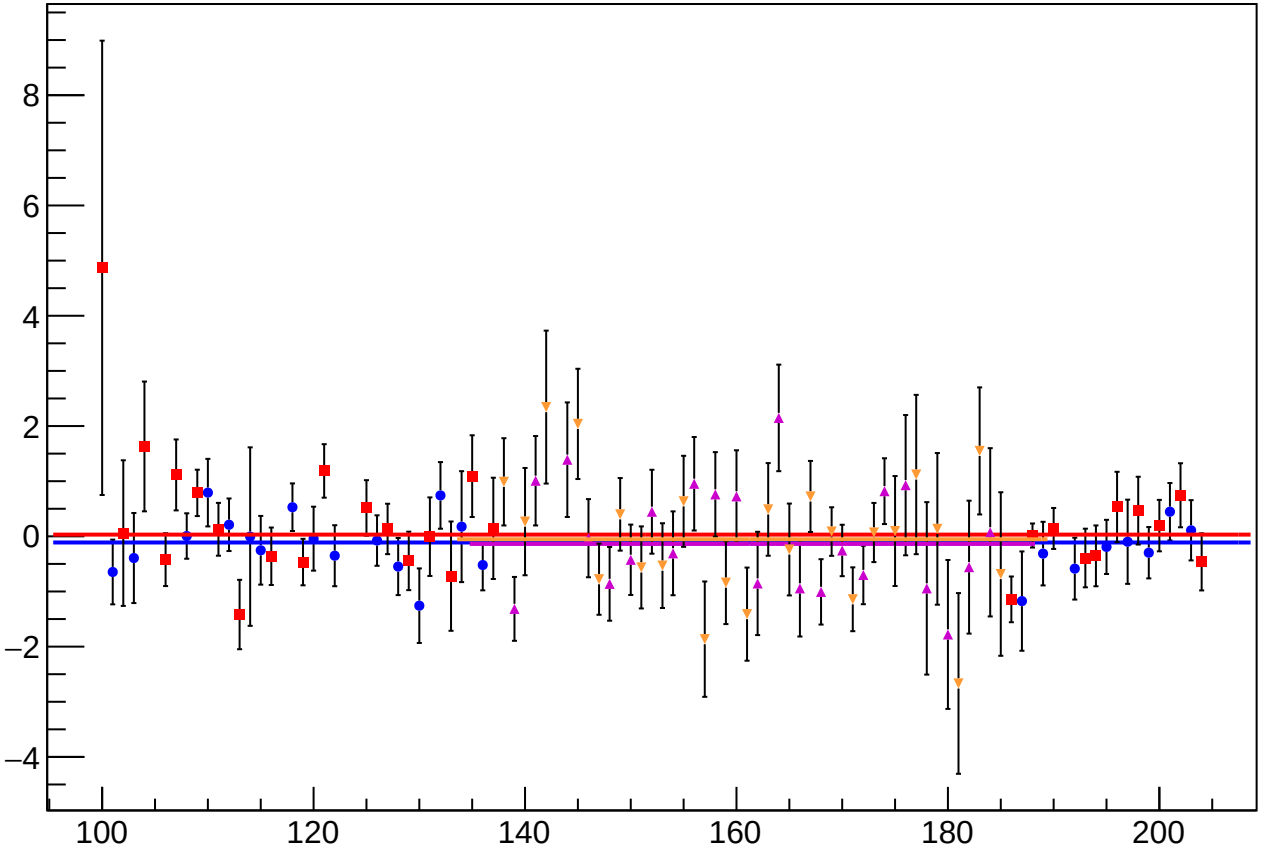
Right: 357.163+/-0.052 χ^2/NDF: 5412505.9/51

In: 479.126+/-0.066 χ^2/NDF:7318543.7/46

Out: 415.168+/-0.058 χ^2/NDF:12618515.4/51

All: 443.263+/-0.043 χ^2/NDF: 20469928.5/98

asym_us_avg_at2lr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.111+/-0.115 χ^2/NDF: 16.3/23

Left Out: -0.053+/-0.161 χ^2/NDF:30.1/23

Right Out: 0.031+/-0.095 χ^2/NDF: 40.5/27

Left In: -0.138+/-0.158 χ^2/NDF:30.0/22

Left: -0.096+/-0.113 χ^2/NDF: 60.2/46

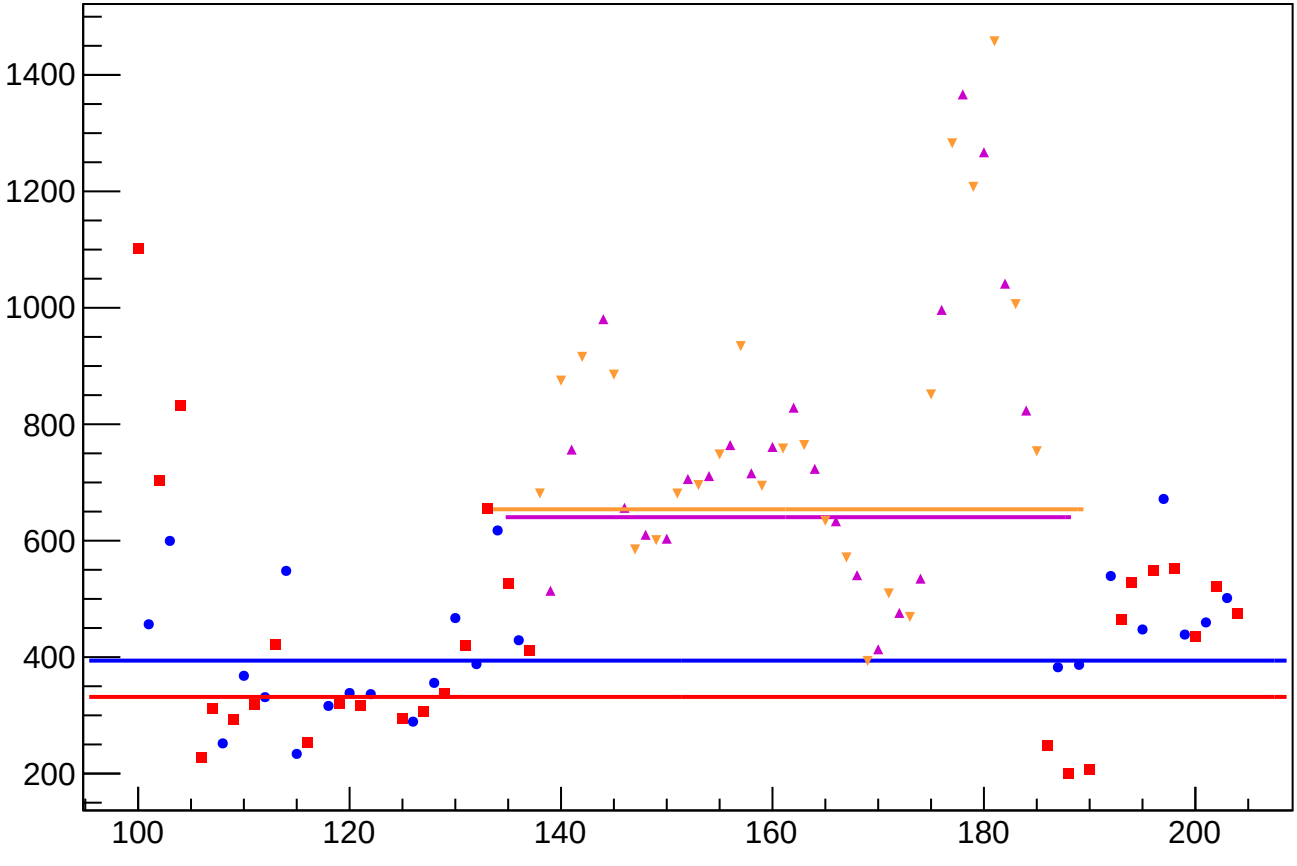
Right: -0.027+/-0.073 χ^2/NDF: 57.7/51

In: -0.121+/-0.093 χ^2/NDF:46.3/46

Out: 0.009+/-0.082 χ^2/NDF:70.8/51

All: -0.048+/-0.061 χ^2/NDF: 118.2/98

asym_us_avg_at2lr_avg_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 394.016+/-0.081 χ^2/NDF: 1481987.1/23

Left Out: 653.930+/-0.114 χ^2/NDF:3124472.6/23

Right Out: 331.657+/-0.067 χ^2/NDF: 3581070.8/27

Left In: 640.392+/-0.112 χ^2/NDF:2647967.4/22

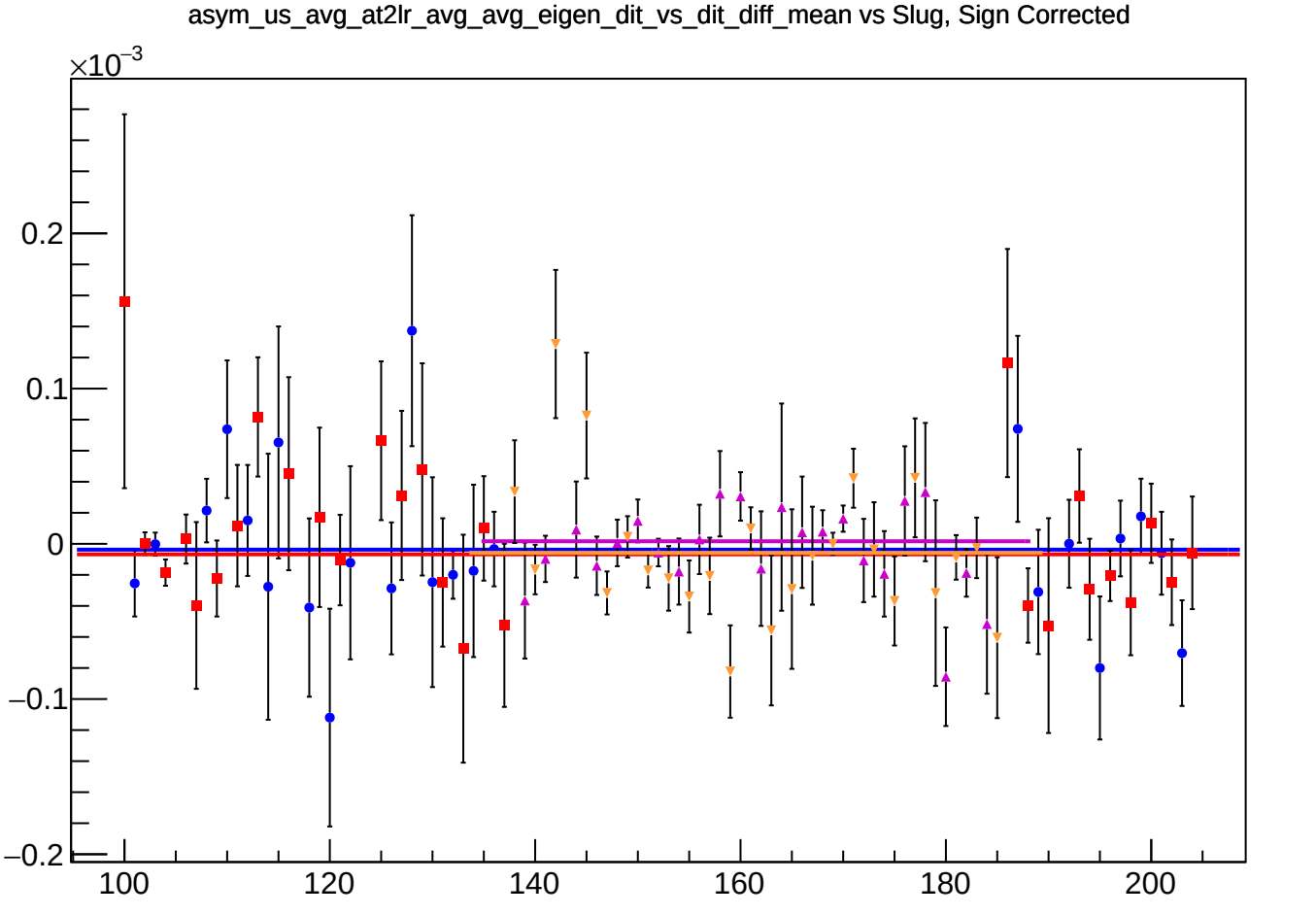
Left: 647.014+/-0.080 χ^2/NDF: 5779634.4/46

Right: 357.163+/-0.052 χ^2/NDF: 5412505.9/51

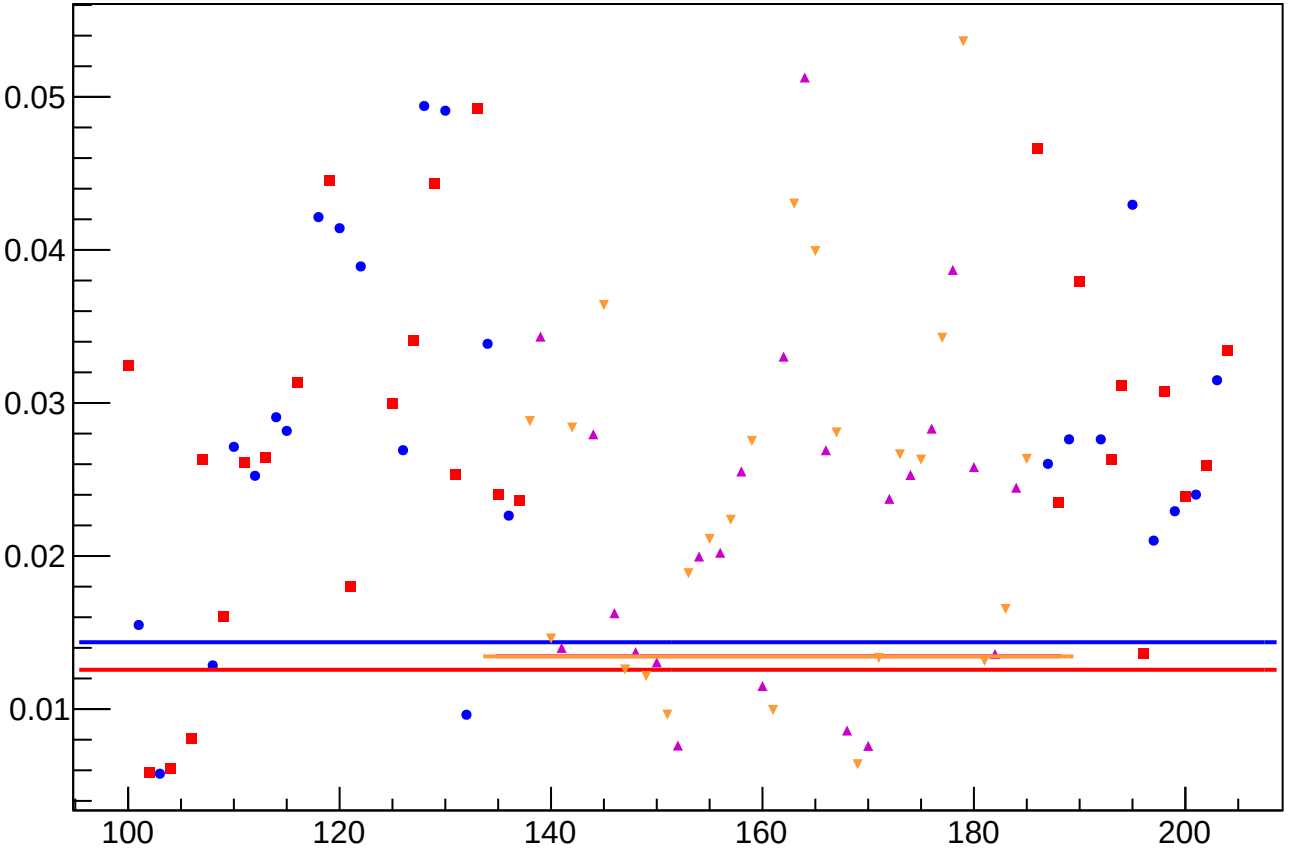
In: 479.126+/-0.066 χ^2/NDF:7318543.7/46

Out: 415.168+/-0.058 χ^2/NDF:12618515.4/51

All: 443.263+/-0.043 χ^2/NDF: 20469928.5/98


asym_us_avg_at2lr_avg_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.2
0.1
0
−0.1
−0.2
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 24.7/23
Left Out: -0.000+/-0.000 χ²/NDF:42.6/23
Right Out: -0.000+/-0.000 χ²/NDF: 27.1/27
Left In: 0.000+/-0.000 χ²/NDF:25.6/22
Left: -0.000+/-0.000 χ²/NDF: 70.2/46
Right: -0.000+/-0.000 χ²/NDF: 52.0/51
In: -0.000+/-0.000 χ²/NDF:51.1/46
Out: -0.000+/-0.000 χ²/NDF:69.7/51
All: -0.000+/-0.000 χ²/NDF: 122.9/98

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 8730780.5/23

Left Out: 0.013+/-0.000 χ^2/NDF:8856192.5/23

Right Out: 0.013+/-0.000 χ^2/NDF: 10877851.9/27

Left In: 0.013+/-0.000 χ^2/NDF:7548263.6/22

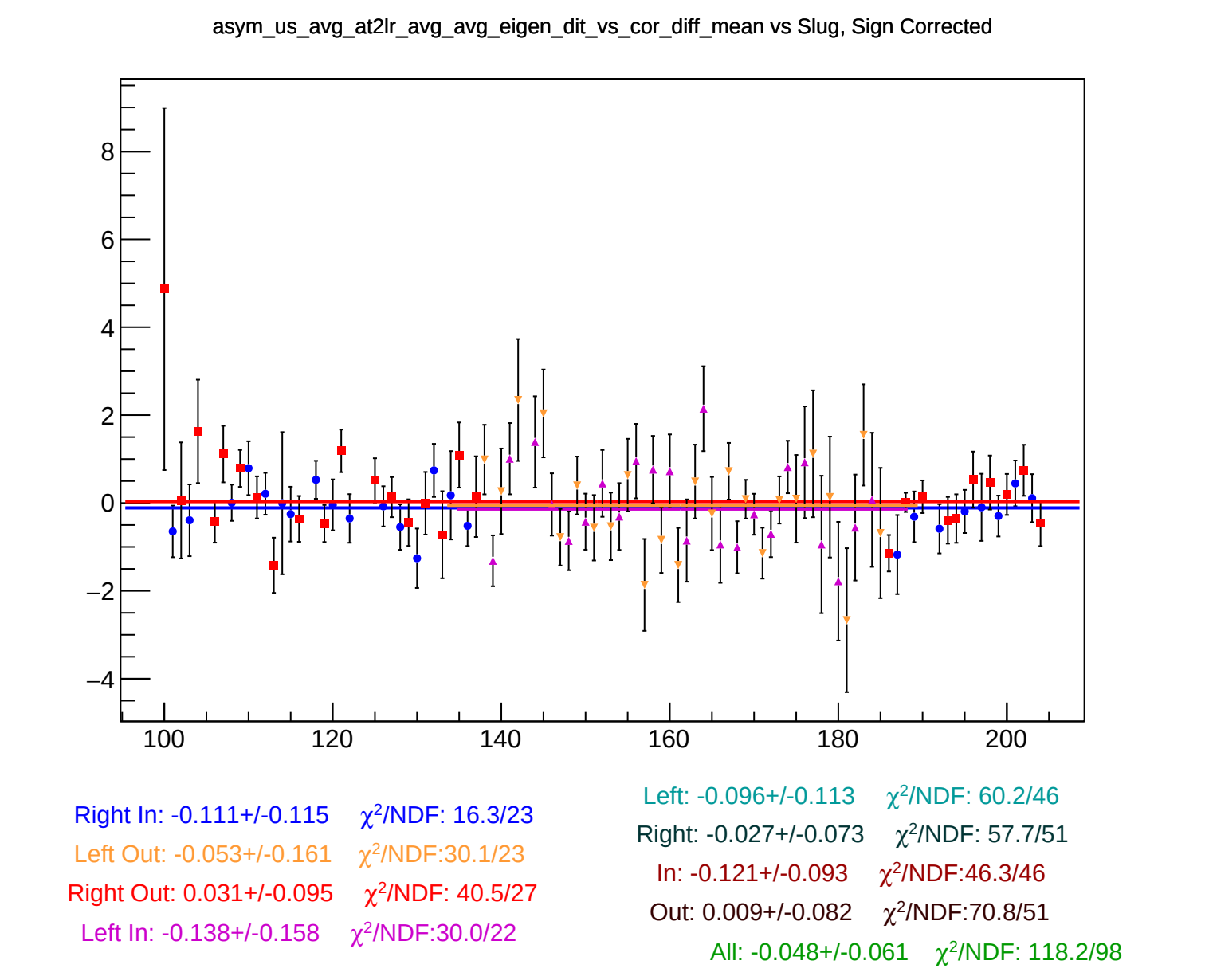
Left: 0.013+/-0.000 χ^2/NDF: 16404470.0/46

Right: 0.013+/-0.000 χ^2/NDF: 19762467.2/51

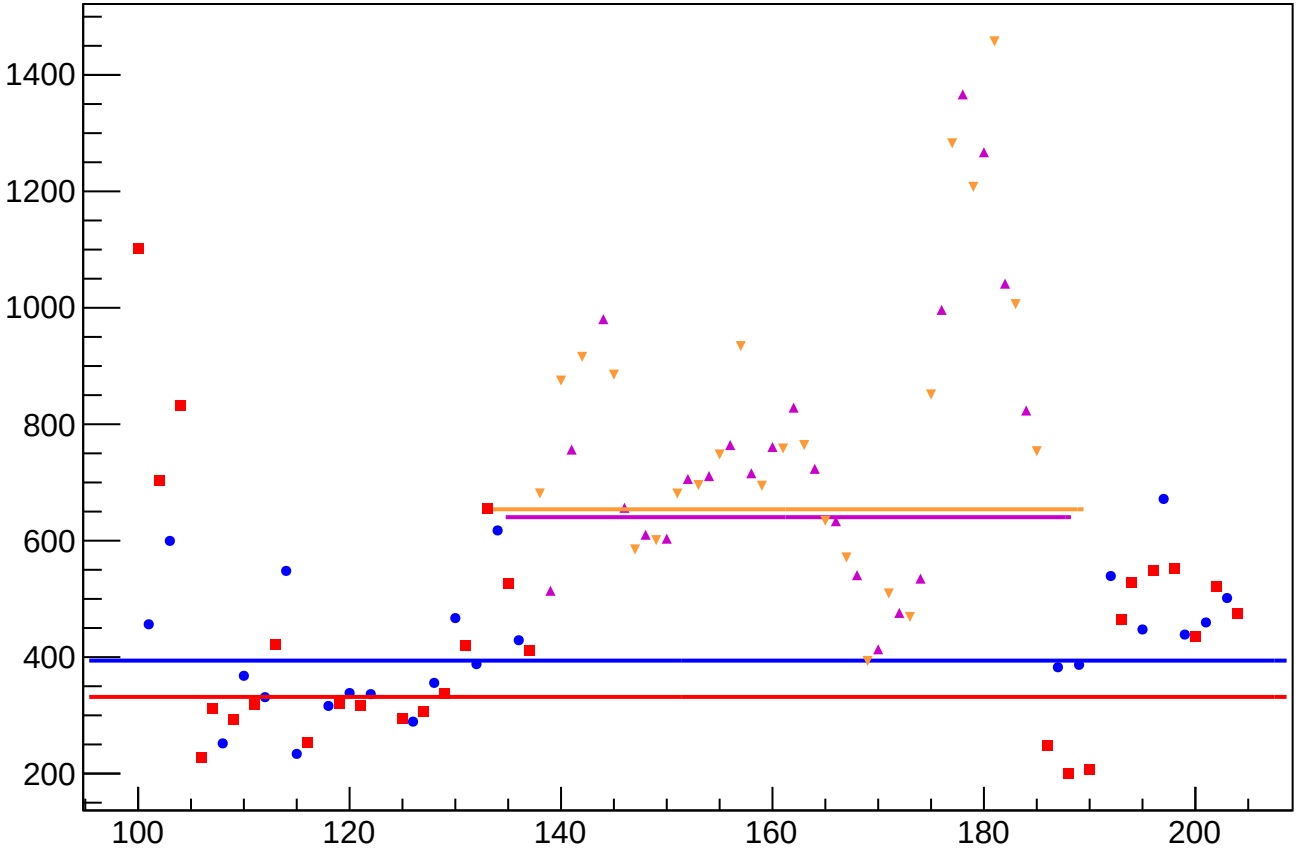
In: 0.014+/-0.000 χ^2/NDF:16322159.4/46

Out: 0.013+/-0.000 χ^2/NDF:19782997.0/51

All: 0.013+/-0.000 χ^2/NDF: 36169062.7/98


asym_us_avg_at2lr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
8
6
4
2
0
−2
−4
100
120
140
160
180
200
Right In: -0.111+/-0.115 χ²/NDF: 16.3/23
Left Out: -0.053+/-0.161 χ²/NDF:30.1/23
Right Out: 0.031+/-0.095 χ²/NDF: 40.5/27
Left In: -0.138+/-0.158 χ²/NDF:30.0/22
Left: -0.096+/-0.113 χ²/NDF: 60.2/46
Right: -0.027+/-0.073 χ²/NDF: 57.7/51
In: -0.121+/-0.093 χ²/NDF:46.3/46
Out: 0.009+/-0.082 χ²/NDF:70.8/51
All: -0.048+/-0.061 χ²/NDF: 118.2/98

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 394.016+/-0.081 χ^2/NDF: 1481976.7/23

Left Out: 653.930+/-0.114 χ^2/NDF:3124692.9/23

Right Out: 331.652+/-0.067 χ^2/NDF: 3581297.6/27

Left In: 640.395+/-0.112 χ^2/NDF:2648118.2/22

Left: 647.016+/-0.080 χ^2/NDF: 5780002.9/46

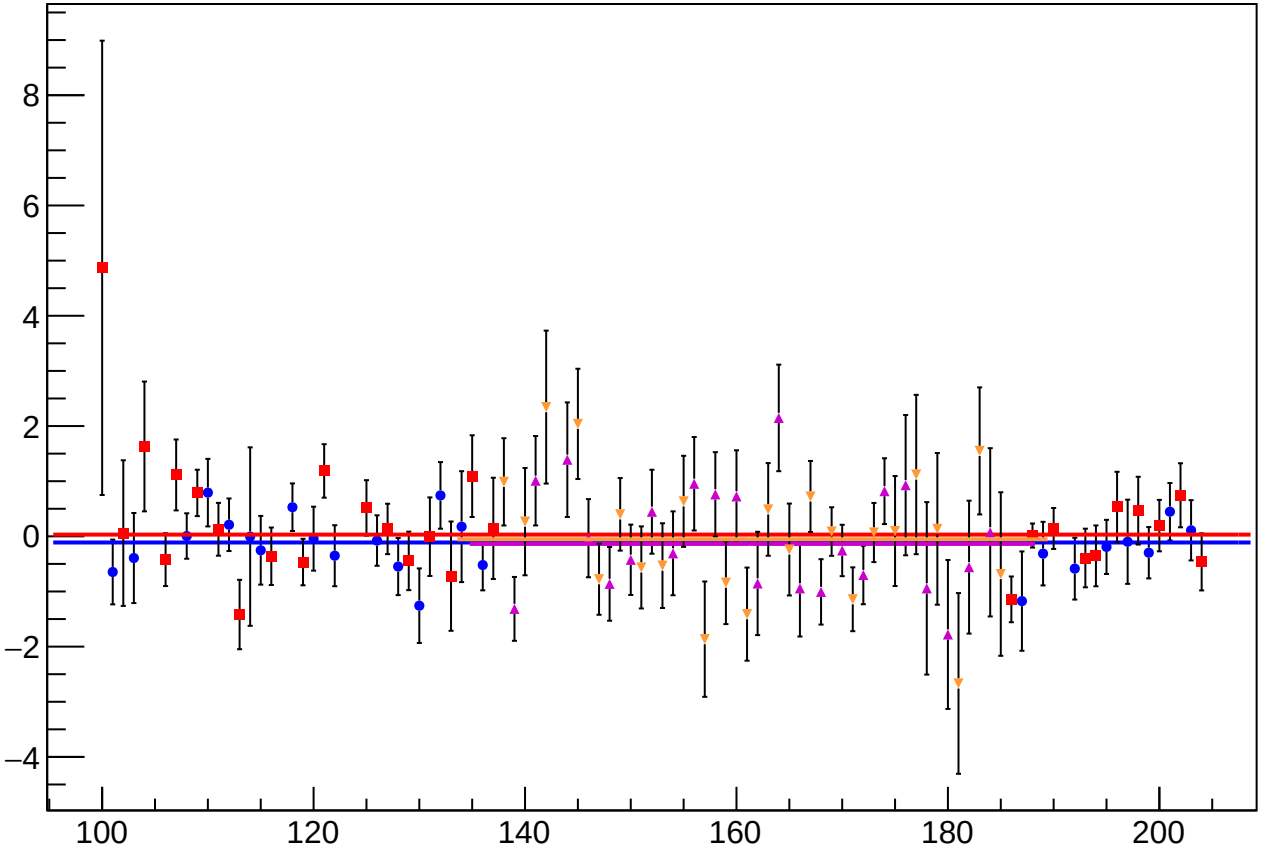
Right: 357.160+/-0.052 χ^2/NDF: 5412789.2/51

In: 479.126+/-0.066 χ^2/NDF:7318737.4/46

Out: 415.162+/-0.058 χ^2/NDF:12619194.8/51

All: 443.259+/-0.043 χ^2/NDF: 20470907.1/98

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.111+/-0.115 χ^2/NDF: 16.3/23

Left Out: -0.053+/-0.161 χ^2/NDF:30.1/23

Right Out: 0.031+/-0.095 χ^2/NDF: 40.5/27

Left In: -0.138+/-0.158 χ^2/NDF:30.0/22

Left: -0.096+/-0.113 χ^2/NDF: 60.2/46

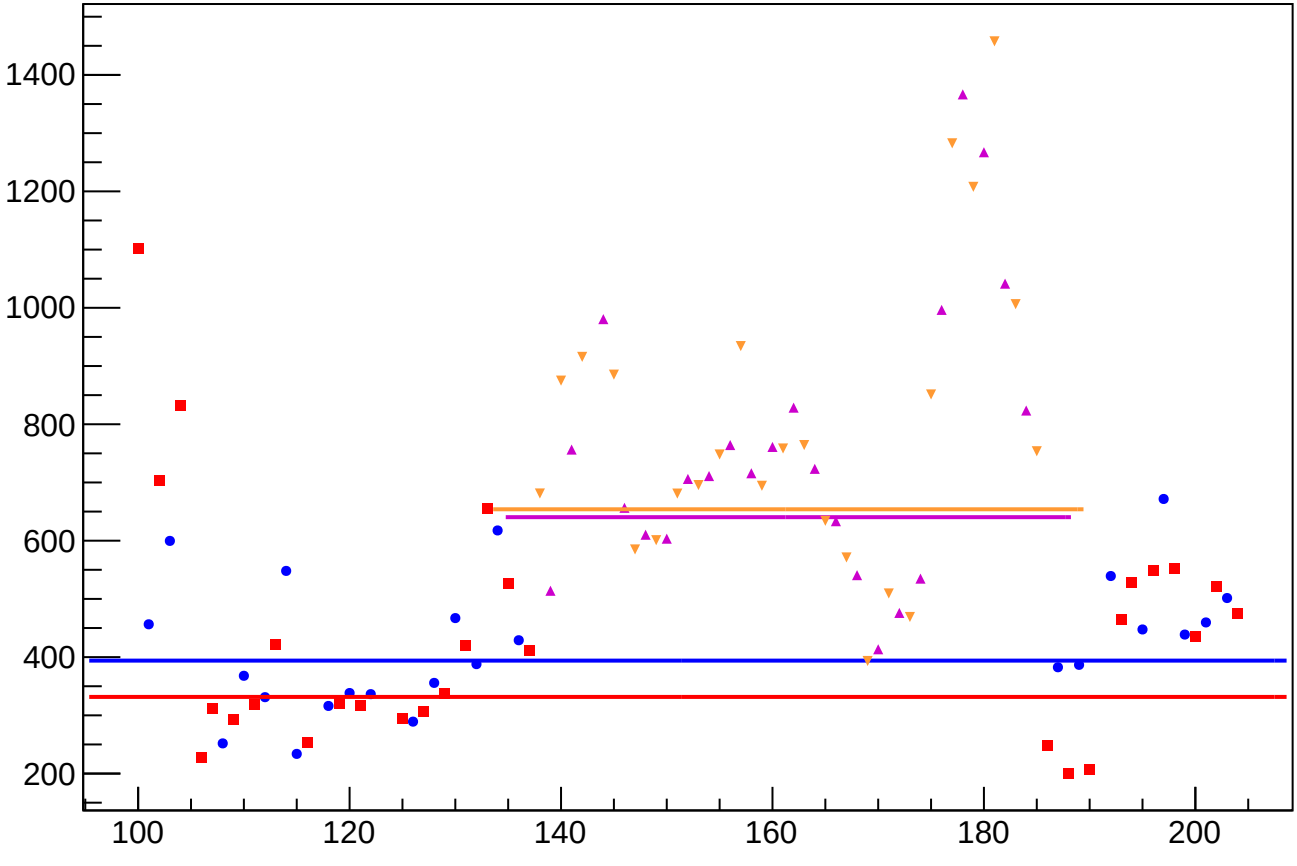
Right: -0.027+/-0.073 χ^2/NDF: 57.7/51

In: -0.121+/-0.093 χ^2/NDF:46.3/46

Out: 0.009+/-0.082 χ^2/NDF:70.8/51

All: -0.048+/-0.061 χ^2/NDF: 118.2/98

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 394.016+/-0.081 χ^2/NDF: 1481976.7/23

Left Out: 653.930+/-0.114 χ^2/NDF:3124692.9/23

Right Out: 331.652+/-0.067 χ^2/NDF: 3581297.6/27

Left In: 640.395+/-0.112 χ^2/NDF:2648118.2/22

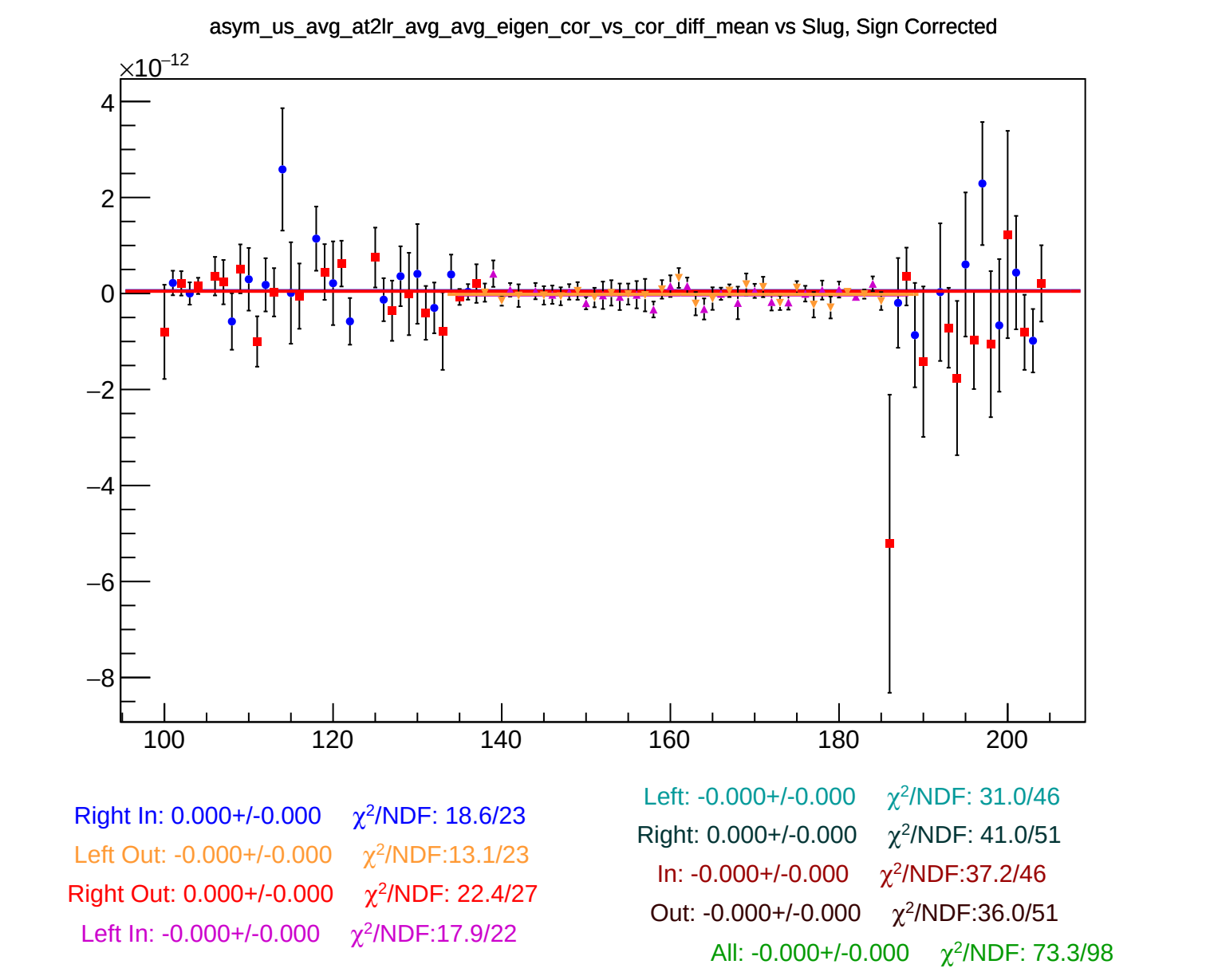
Left: 647.016+/-0.080 χ^2/NDF: 5780002.9/46

Right: 357.160+/-0.052 χ^2/NDF: 5412789.2/51

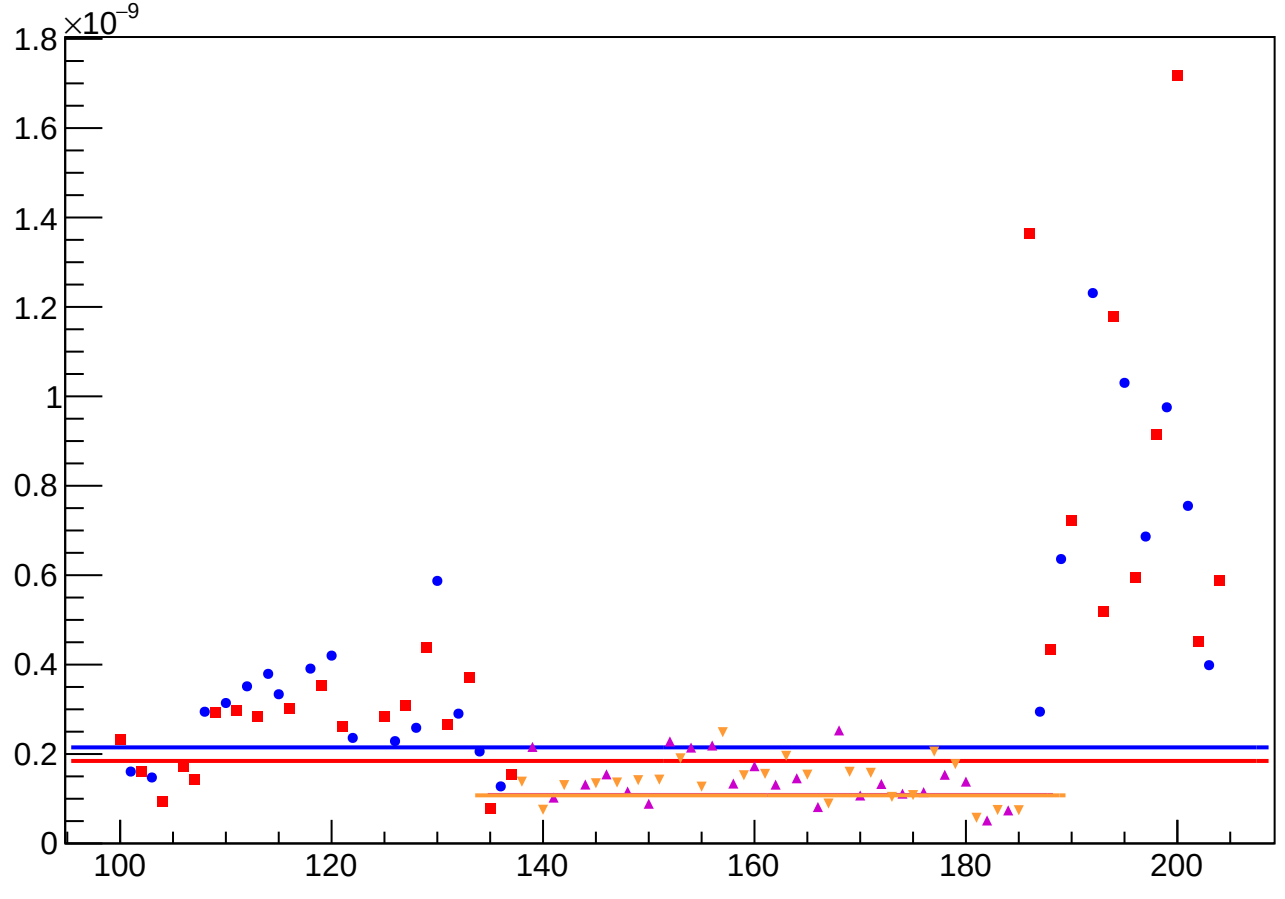
In: 479.126+/-0.066 χ^2/NDF:7318737.4/46

Out: 415.162+/-0.058 χ^2/NDF:12619194.8/51

All: 443.259+/-0.043 χ^2/NDF: 20470907.1/98


asym_us_avg_at2lr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
4
2
0
−2
−4
−6
−8
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 18.6/23
Left Out: -0.000+/-0.000 χ²/NDF:13.1/23
Right Out: 0.000+/-0.000 χ²/NDF: 22.4/27
Left In: -0.000+/-0.000 χ²/NDF:17.9/22
Left: -0.000+/-0.000 χ²/NDF: 31.0/46
Right: 0.000+/-0.000 χ²/NDF: 41.0/51
In: -0.000+/-0.000 χ²/NDF:37.2/46
Out: -0.000+/-0.000 χ²/NDF:36.0/51
All: -0.000+/-0.000 χ²/NDF: 73.3/98

asym_us_avg_at2lr_avg_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 5024928.5/23

Left Out: 0.000+/-0.000 χ^2/NDF:3452023.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 6928948.1/27

Left In: 0.000+/-0.000 χ^2/NDF:3869719.7/22

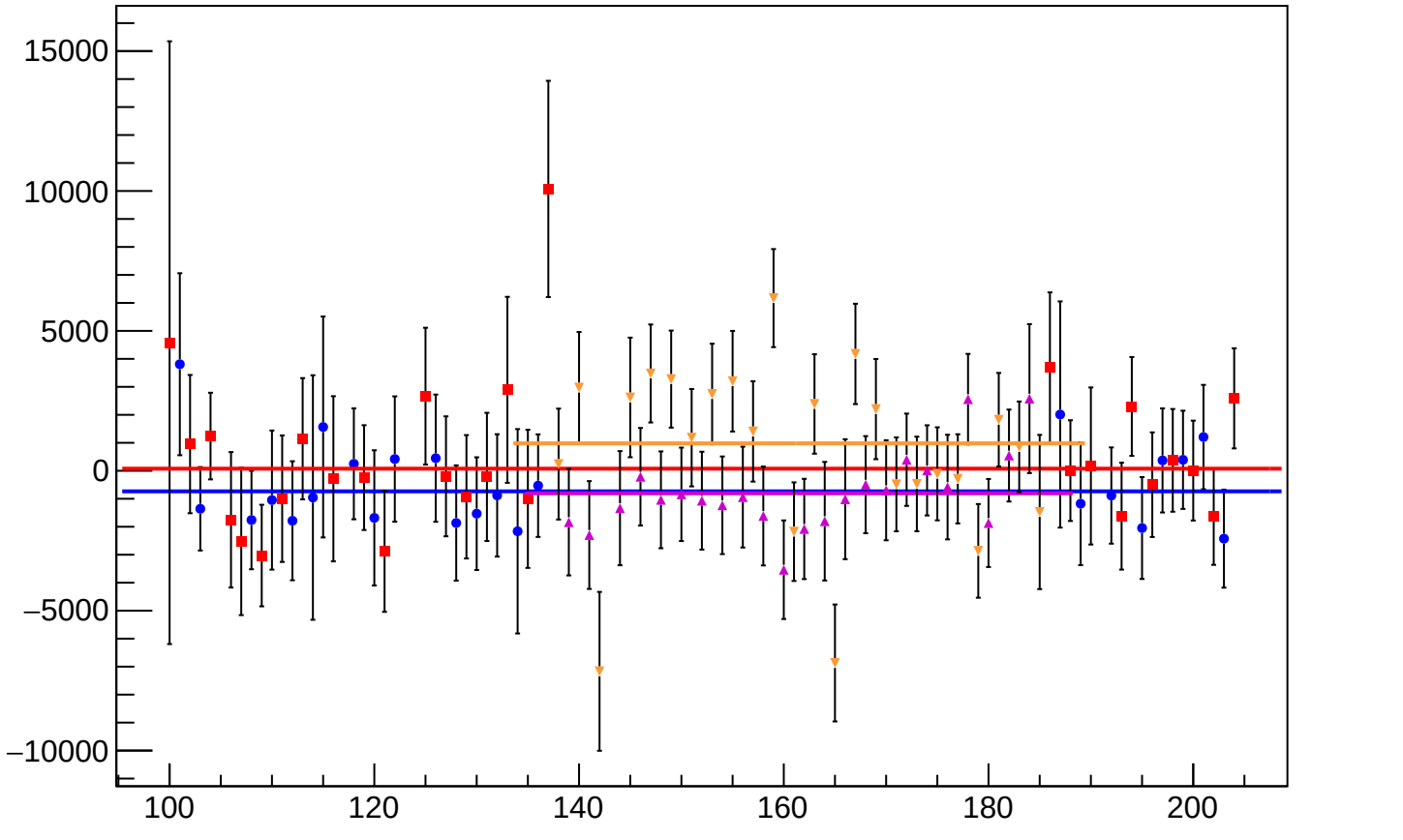
Left: 0.000+/-0.000 χ^2/NDF: 7322414.2/46

Right: 0.000+/-0.000 χ^2/NDF: 12072551.1/51

In: 0.000+/-0.000 χ^2/NDF:11202920.5/46

Out: 0.000+/-0.000 χ^2/NDF:11878798.4/51

All: 0.000+/-0.000 χ^2/NDF: 23086385.4/98



Right In: -734.530+/-430.965 χ^2/NDF: 8.4/23

Left Out: 981.627+/-370.843 χ^2/NDF:55.5/23

Right Out: 75.742+/-406.636 χ^2/NDF: 23.9/27

Left In: -803.908+/-374.066 χ^2/NDF:12.4/22

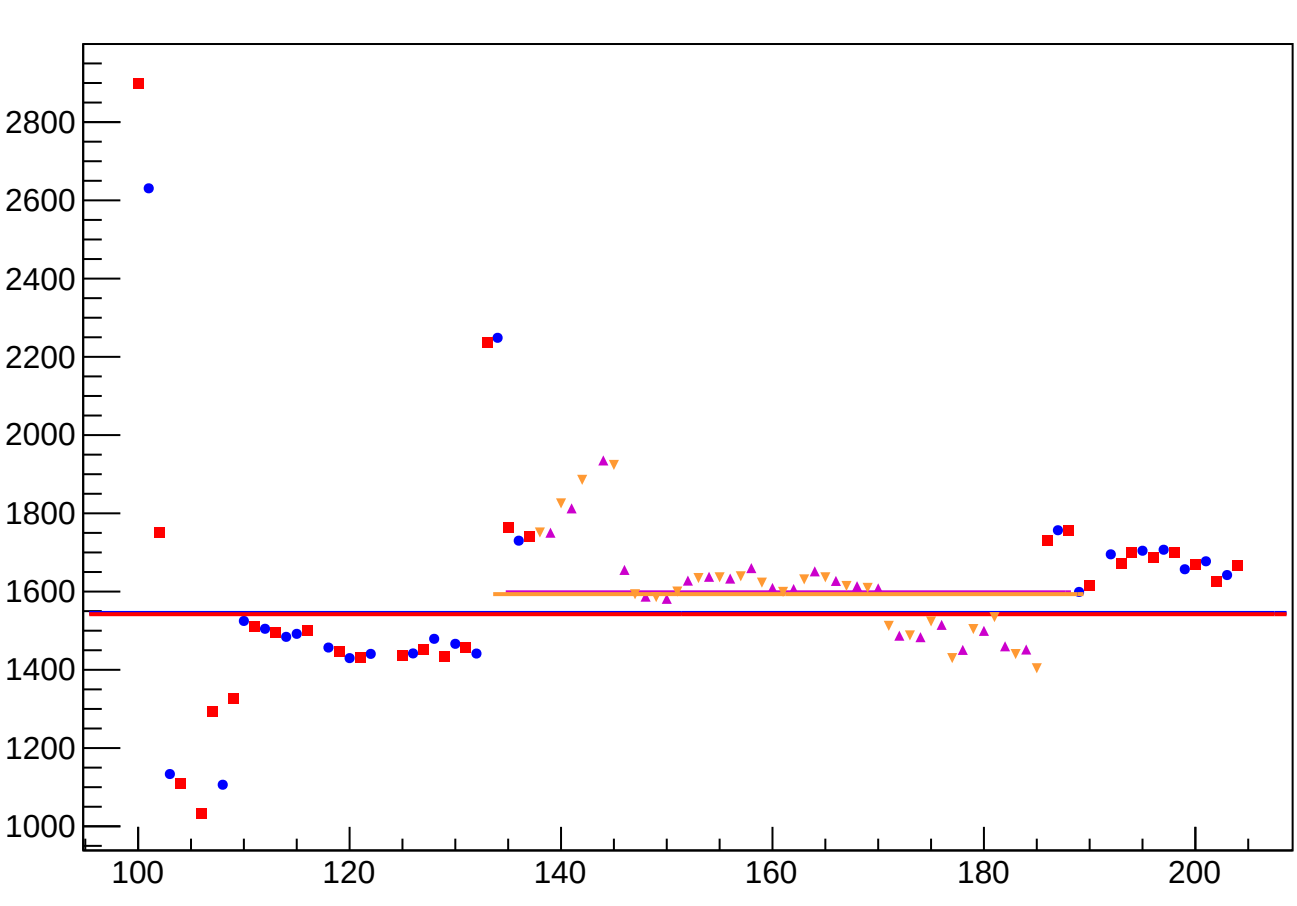
Left: 96.584+/-263.358 χ^2/NDF: 79.5/46

Right: -305.878+/-295.762 χ^2/NDF: 34.3/51

In: -774.098+/-282.495 χ^2/NDF:20.9/46

Out: 570.300+/-274.007 χ^2/NDF:82.2/51

All: -81.400+/-196.685 χ^2/NDF: 114.8/98



Right In: 1545.384+/-0.305 χ^2/NDF: 698826.0/23

Left Out: 1593.482+/-0.262 χ^2/NDF:187613.7/23

Right Out: 1542.159+/-0.286 χ^2/NDF: 613938.7/27

Left In: 1598.119+/-0.265 χ^2/NDF:169157.7/22

Left: 1595.780+/-0.186 χ^2/NDF: 356926.4/46

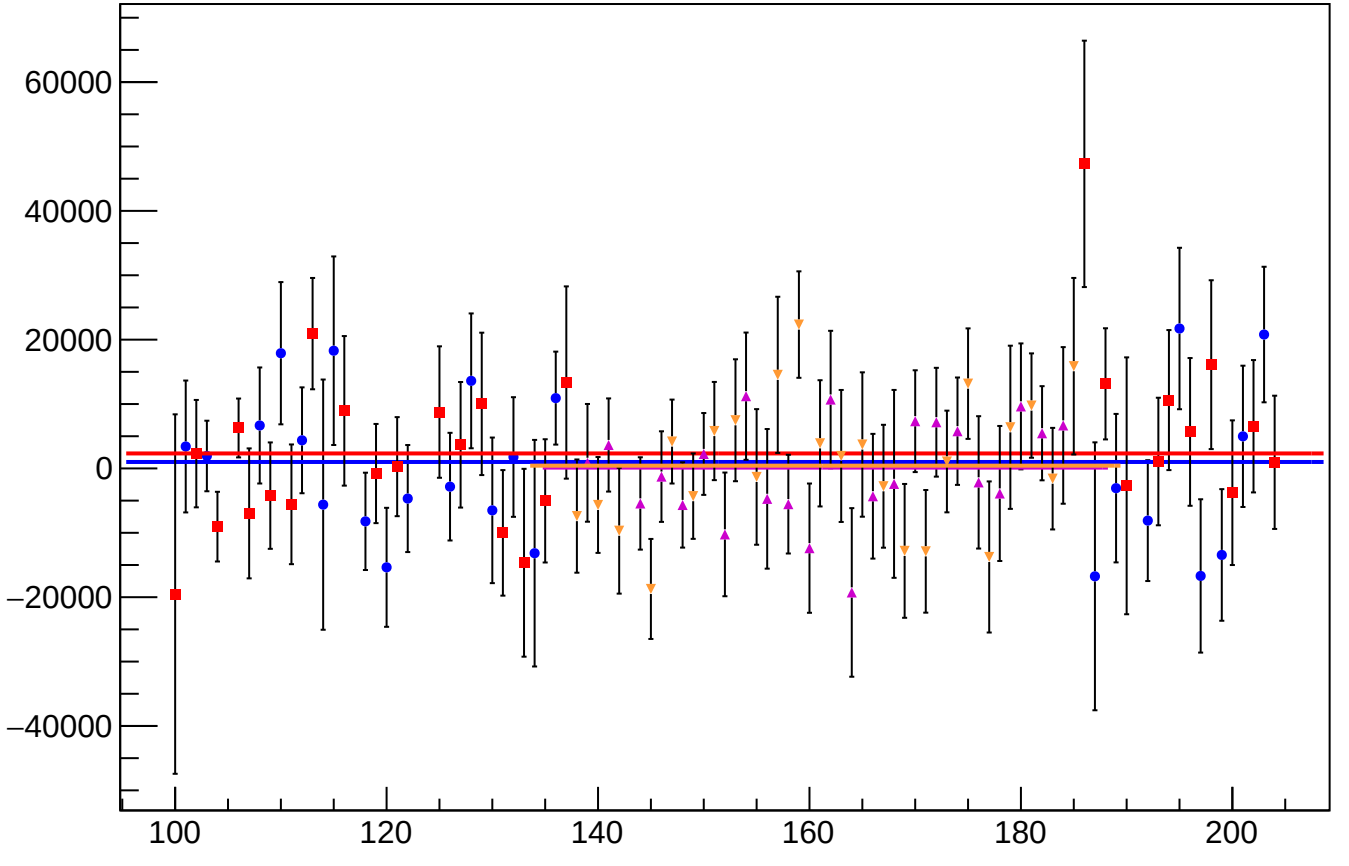
Right: 1543.671+/-0.209 χ^2/NDF: 1312824.2/51

In: 1575.460+/-0.200 χ^2/NDF:885062.8/46

Out: 1570.074+/-0.193 χ^2/NDF:819023.7/51

All: 1572.680+/-0.139 χ^2/NDF: 1704461.7/98

asym_us_avg_at2lr_avg_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 1001.266+/-1976.782 χ^2/NDF: 26.6/23

Left Out: 426.701+/-1819.878 χ^2/NDF:29.4/23

Right Out: 2326.797+/-1755.217 χ^2/NDF: 27.6/27

Left In: 126.369+/-1814.830 χ^2/NDF:13.9/22

Left: 276.118+/-1285.060 χ^2/NDF: 43.3/46

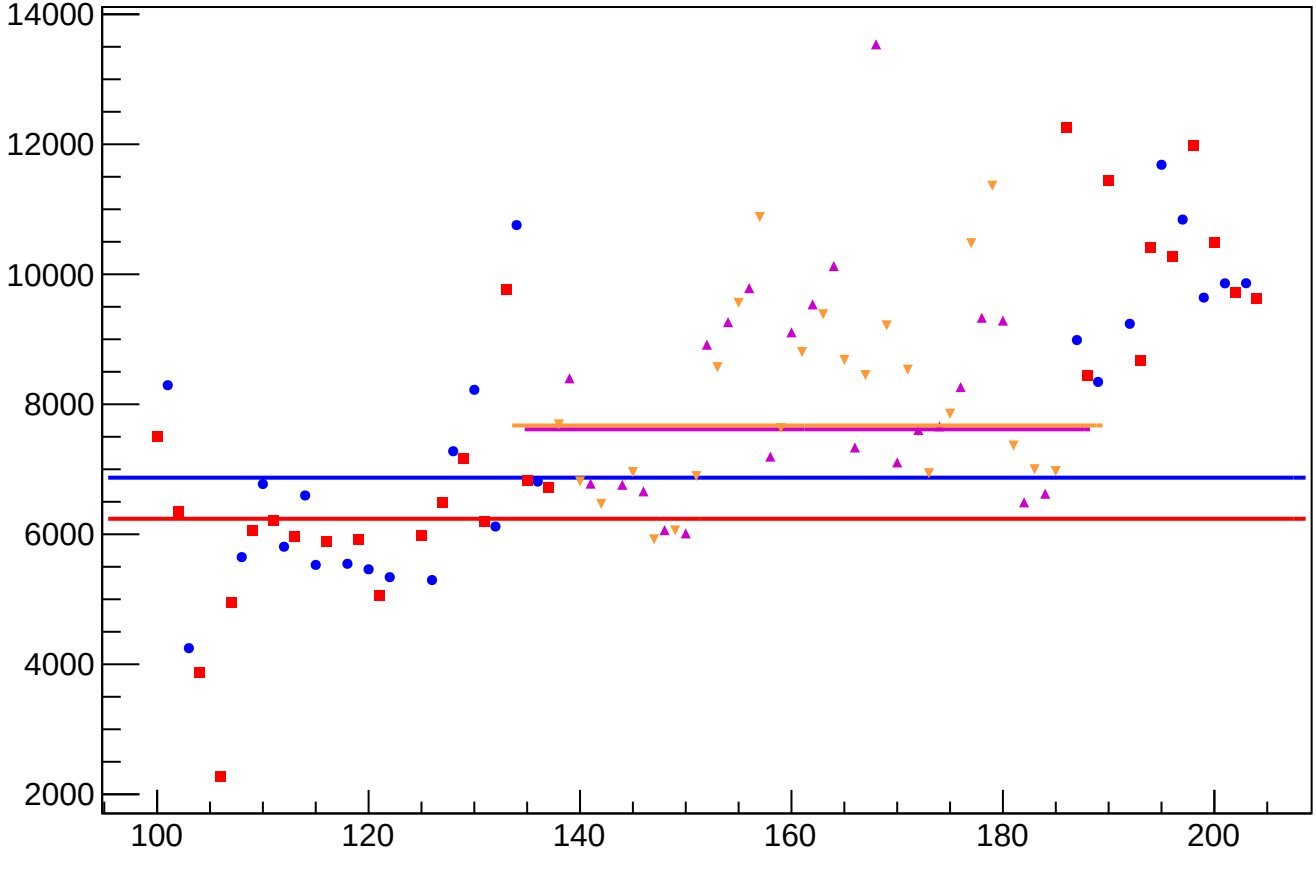
Right: 1742.450+/-1312.499 χ^2/NDF: 54.5/51

In: 526.516+/-1336.873 χ^2/NDF:40.6/46

Out: 1411.104+/-1263.367 χ^2/NDF:57.5/51

All: 993.796+/-918.222 χ^2/NDF: 98.4/98

asym_us_avg_at2lr_avg_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 6871.080+/-1.398 χ^2/NDF: 2128527.4/23

Left Out: 7674.060+/-1.287 χ^2/NDF:1076713.7/23

Right Out: 6238.682+/-1.241 χ^2/NDF: 4363592.2/27

Left In: 7614.974+/-1.283 χ^2/NDF:1224520.2/22

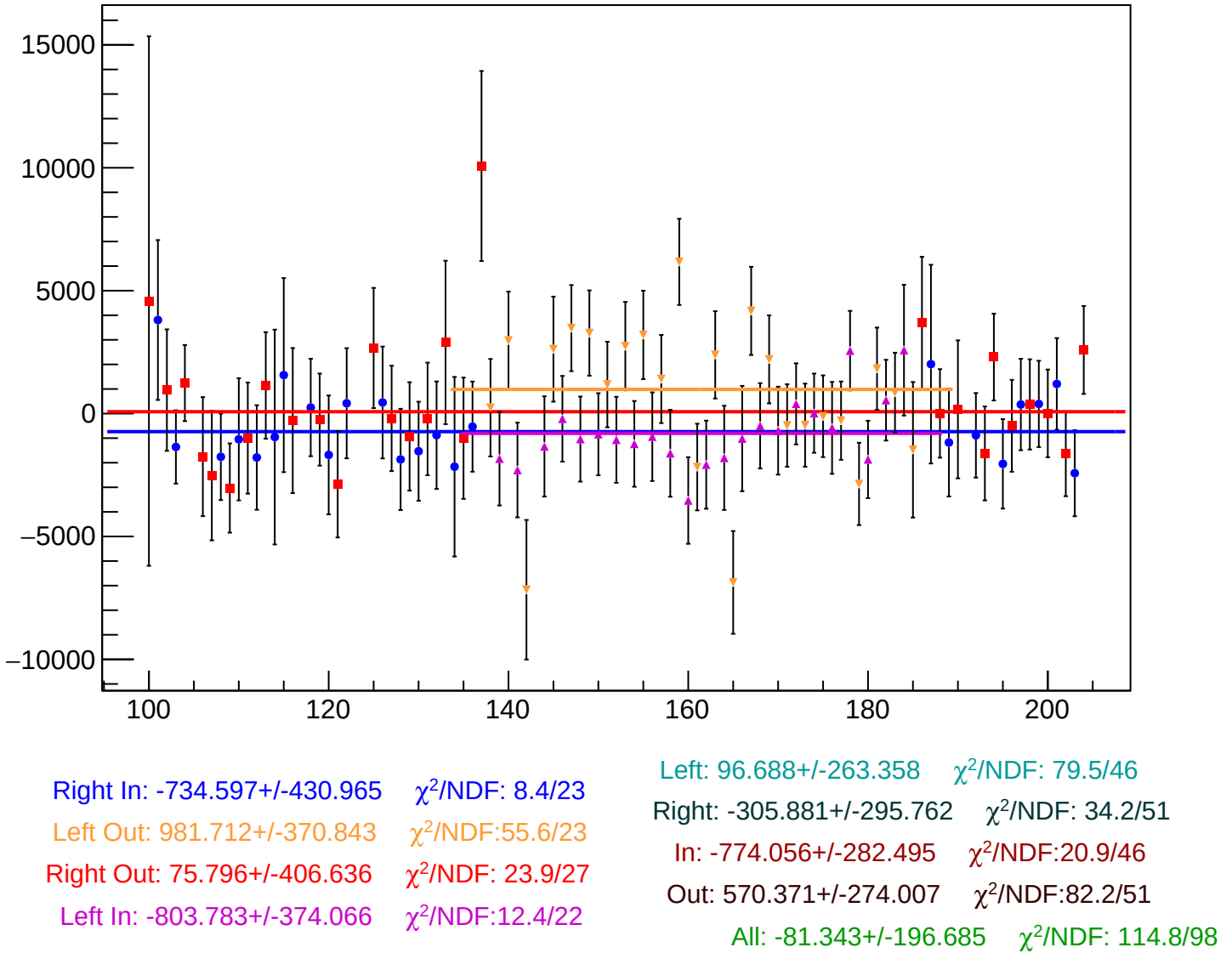
Left: 7644.435+/-0.909 χ^2/NDF: 2302291.0/46

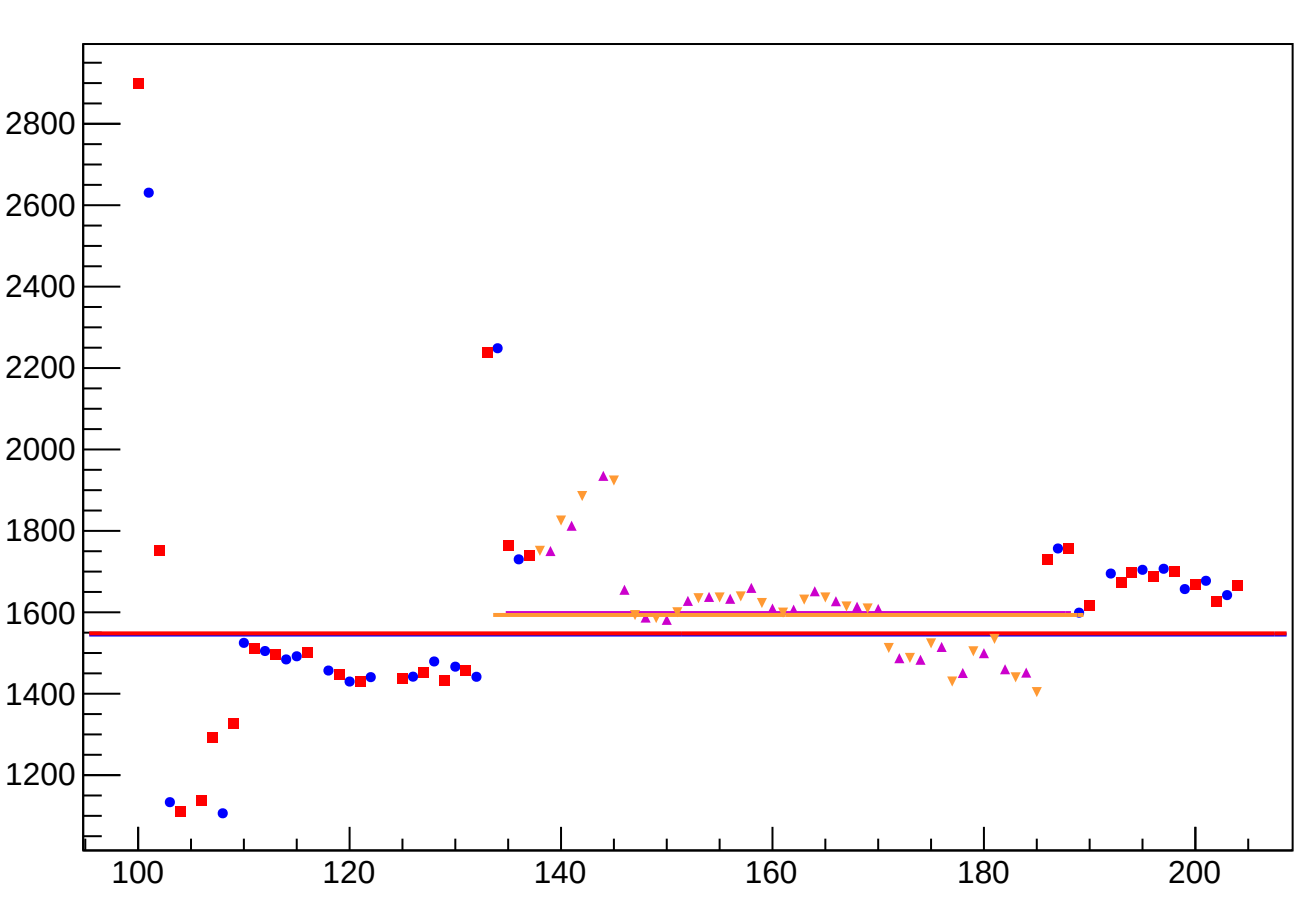
Right: 6517.468+/-0.928 χ^2/NDF: 6606573.2/51

In: 7274.743+/-0.945 χ^2/NDF:3506736.5/46

Out: 6930.419+/-0.893 χ^2/NDF:6084883.4/51

All: 7092.855+/-0.649 χ^2/NDF: 9661704.4/98


cor_asym_us_avg_at2lr_avg_dd_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
120
140
160
180
200
Right In: -734.597+/-430.965 χ²/NDF: 8.4/23
Left Out: 981.712+/-370.843 χ²/NDF:55.6/23
Right Out: 75.796+/-406.636 χ²/NDF: 23.9/27
Left In: -803.783+/-374.066 χ²/NDF:12.4/22
Left: 96.688+/-263.358 χ²/NDF: 79.5/46
Right: -305.881+/-295.762 χ²/NDF: 34.2/51
In: -774.056+/-282.495 χ²/NDF:20.9/46
Out: 570.371+/-274.007 χ²/NDF:82.2/51
All: -81.343+/-196.685 χ²/NDF: 114.8/98



Right In: 1545.384+/-0.305 χ^2/NDF: 698826.4/23

Left Out: 1593.482+/-0.262 χ^2/NDF:187613.7/23

Right Out: 1548.226+/-0.287 χ^2/NDF: 560462.7/27

Left In: 1598.119+/-0.265 χ^2/NDF:169157.7/22

Left: 1595.780+/-0.186 χ^2/NDF: 356926.4/46

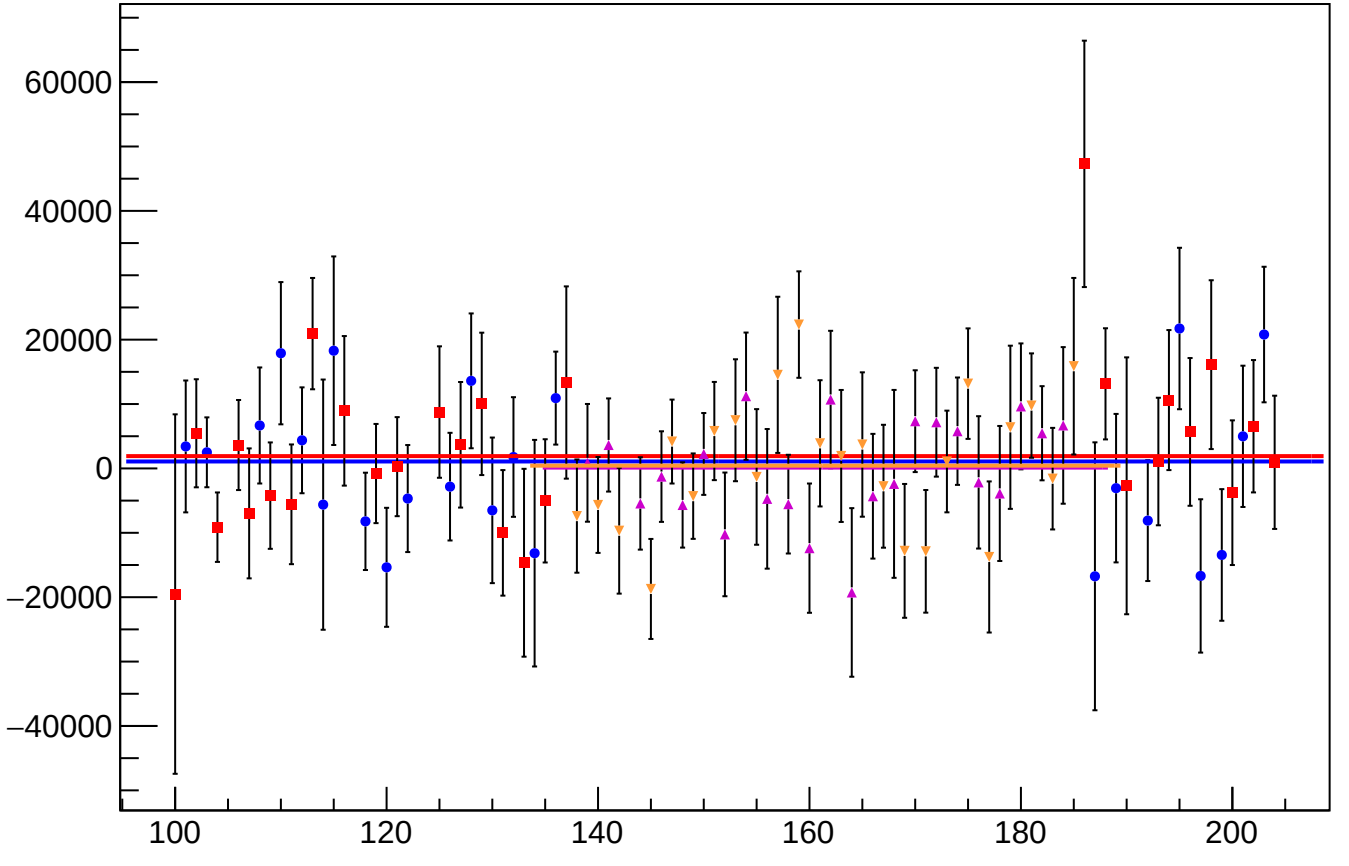
Right: 1546.889+/-0.209 χ^2/NDF: 1259335.2/51

In: 1575.460+/-0.200 χ^2/NDF:885063.2/46

Out: 1572.905+/-0.194 χ^2/NDF:761619.3/51

All: 1574.143+/-0.139 χ^2/NDF: 1646766.9/98

asym_us_avg_at2lr_avg_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: 1079.439+/-1974.285 χ^2/NDF: 26.7/23

Left Out: 426.702+/-1819.879 χ^2/NDF:29.4/23

Right Out: 1912.045+/-1834.185 χ^2/NDF: 27.1/27

Left In: 126.376+/-1814.828 χ^2/NDF:13.9/22

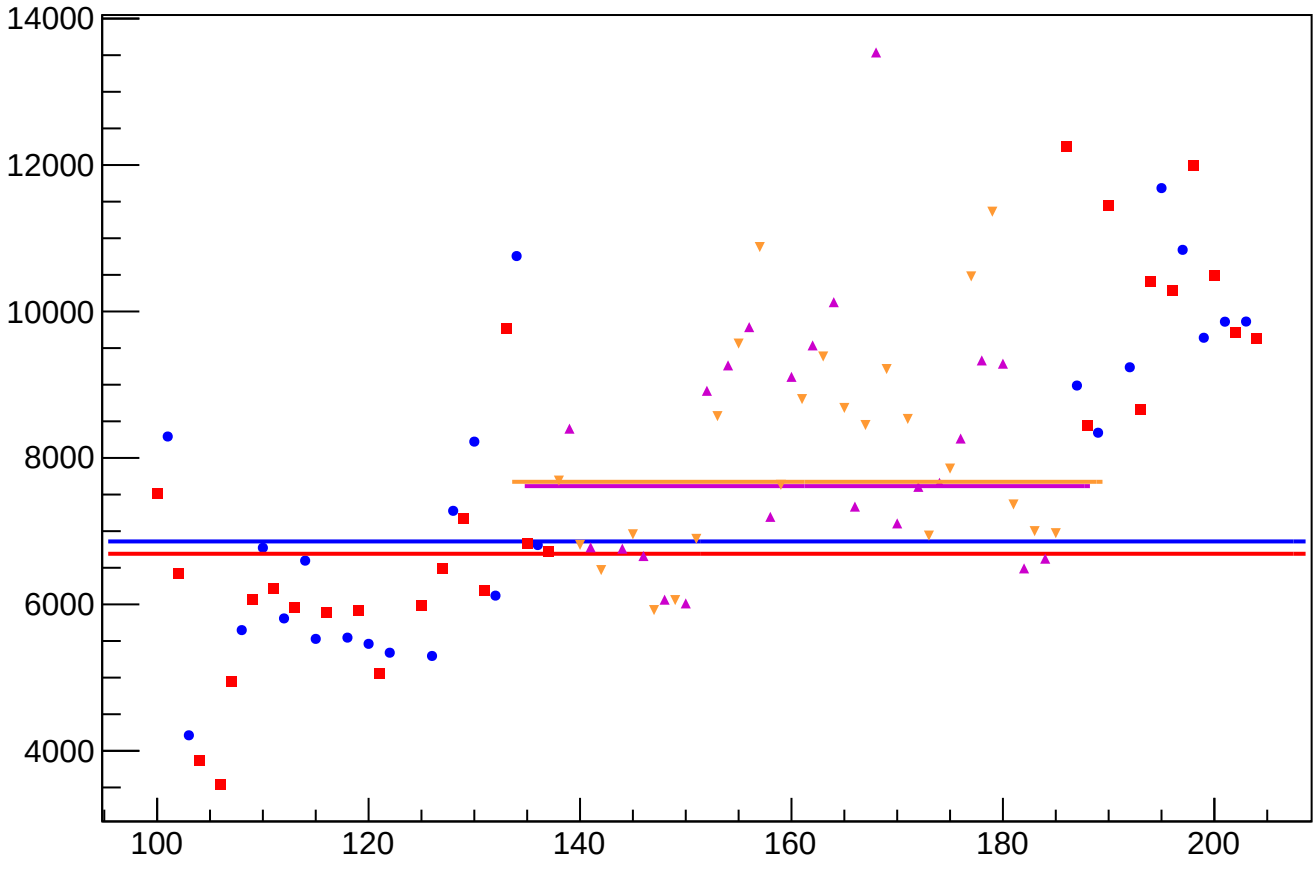
Left: 276.121+/-1285.059 χ^2/NDF: 43.3/46

Right: 1526.329+/-1343.767 χ^2/NDF: 53.8/51

In: 562.871+/-1336.099 χ^2/NDF:40.7/46

Out: 1163.558+/-1291.877 χ^2/NDF:56.8/51

All: 873.319+/-928.735 χ^2/NDF: 97.5/98



Right In: 6859.720+/-1.396 χ^2/NDF: 2150141.1/23

Left Out: 7674.063+/-1.287 χ^2/NDF:1076712.6/23

Right Out: 6691.201+/-1.297 χ^2/NDF: 3040748.6/27

Left In: 7614.964+/-1.283 χ^2/NDF:1224525.6/22

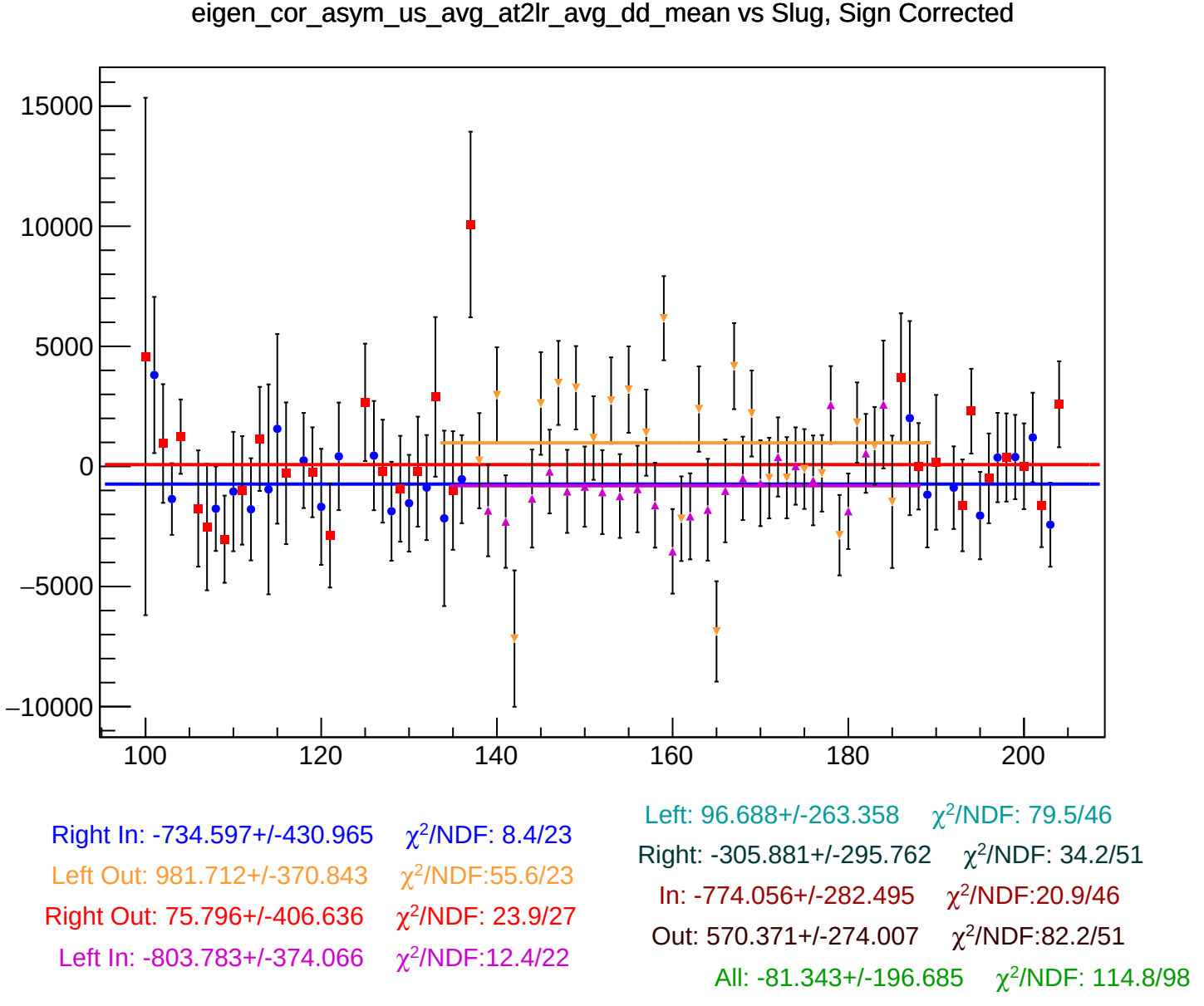
Left: 7644.431+/-0.909 χ^2/NDF: 2302295.7/46

Right: 6769.269+/-0.950 χ^2/NDF: 5198710.7/51

In: 7269.069+/-0.945 χ^2/NDF:3533298.9/46

Out: 7186.480+/-0.913 χ^2/NDF:4406852.7/51

All: 7226.385+/-0.657 χ^2/NDF: 7944101.1/98


eigen_cor_asym_us_avg_at2lr_avg_dd_mean vs Slug, Sign Corrected
15000
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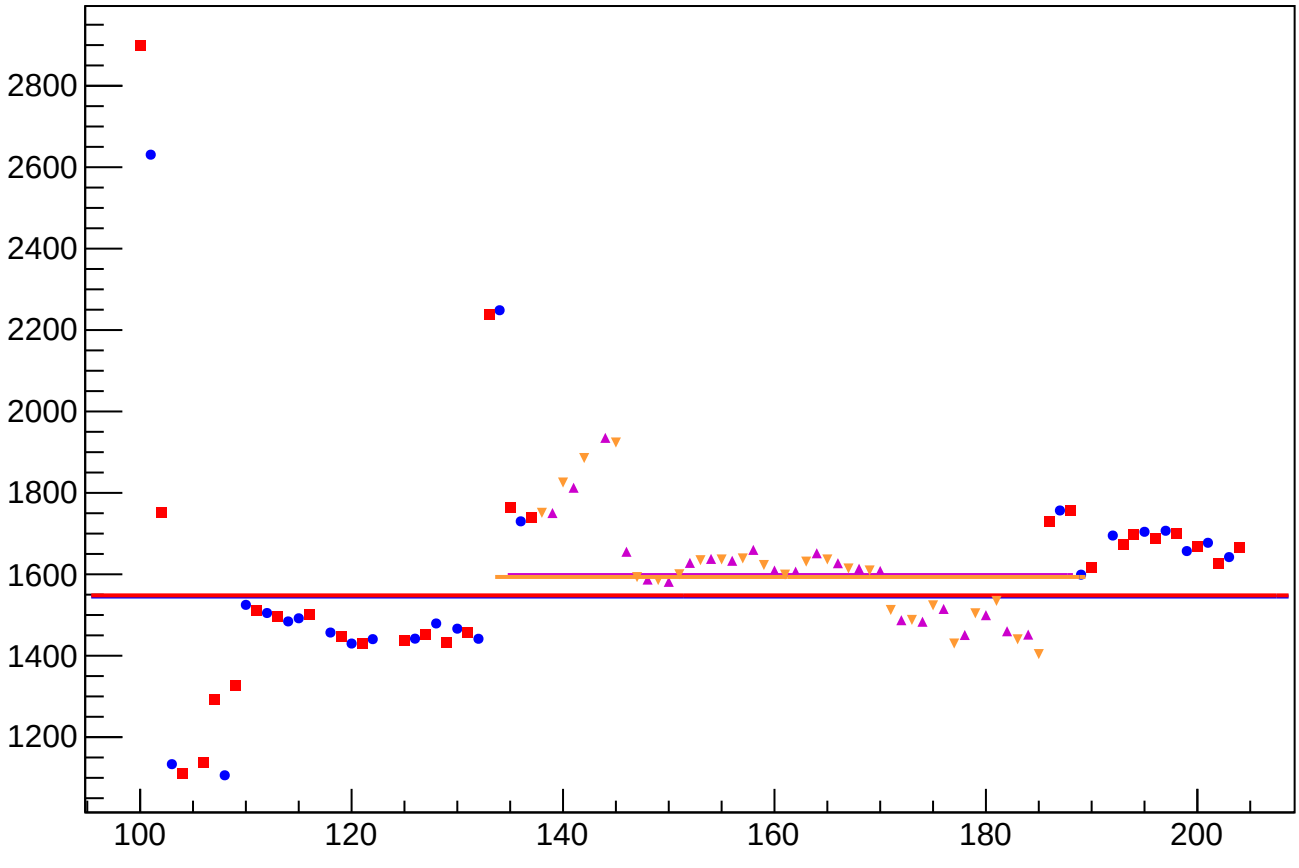
0
−5000
−10000
100
120
140
160
180
200
Right In: -734.597+/-430.965 χ²/NDF: 8.4/23
Left Out: 981.712+/-370.843 χ²/NDF:55.6/23
Right Out: 75.796+/-406.636 χ²/NDF: 23.9/27
Left In: -803.783+/-374.066 χ²/NDF:12.4/22
Left: 96.688+/-263.358 χ²/NDF: 79.5/46
Right: -305.881+/-295.762 χ²/NDF: 34.2/51
In: -774.056+/-282.495 χ²/NDF:20.9/46
Out: 570.371+/-274.007 χ²/NDF:82.2/51
All: -81.343+/-196.685 χ²/NDF: 114.8/98



Right In: 1545.384+/-0.305 χ^2/NDF: 698826.4/23

Left Out: 1593.482+/-0.262 χ^2/NDF:187613.7/23

Right Out: 1548.226+/-0.287 χ^2/NDF: 560462.7/27

Left In: 1598.119+/-0.265 χ^2/NDF:169157.7/22

Left: 1595.780+/-0.186 χ^2/NDF: 356926.4/46

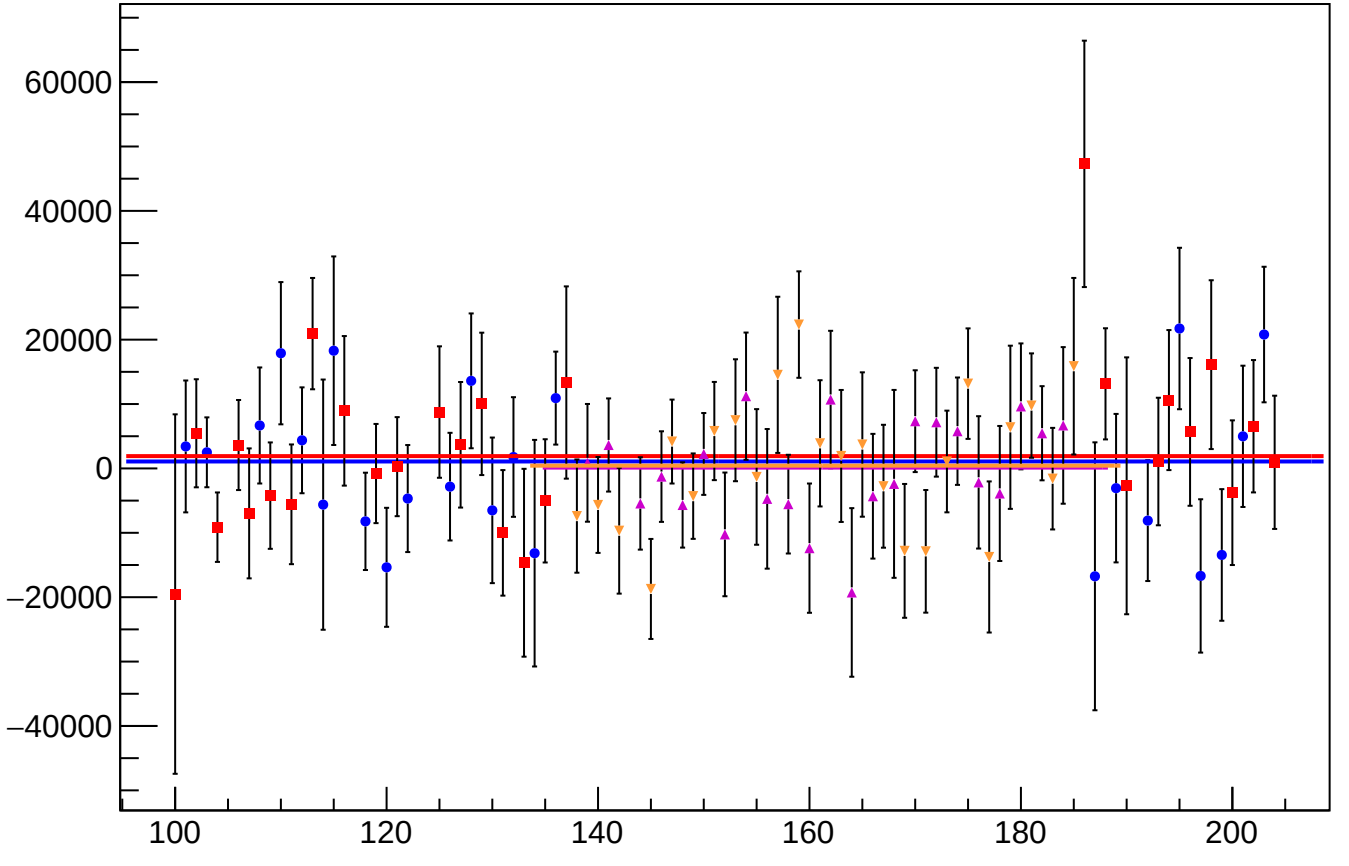
Right: 1546.889+/-0.209 χ^2/NDF: 1259335.2/51

In: 1575.460+/-0.200 χ^2/NDF:885063.2/46

Out: 1572.905+/-0.194 χ^2/NDF:761619.3/51

All: 1574.143+/-0.139 χ^2/NDF: 1646766.9/98

asym_us_avg_at2lr_avg_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 1079.439+/-1974.285 χ^2/NDF: 26.7/23

Left Out: 426.702+/-1819.879 χ^2/NDF:29.4/23

Right Out: 1912.045+/-1834.185 χ^2/NDF: 27.1/27

Left In: 126.376+/-1814.828 χ^2/NDF:13.9/22

Left: 276.121+/-1285.059 χ^2/NDF: 43.3/46

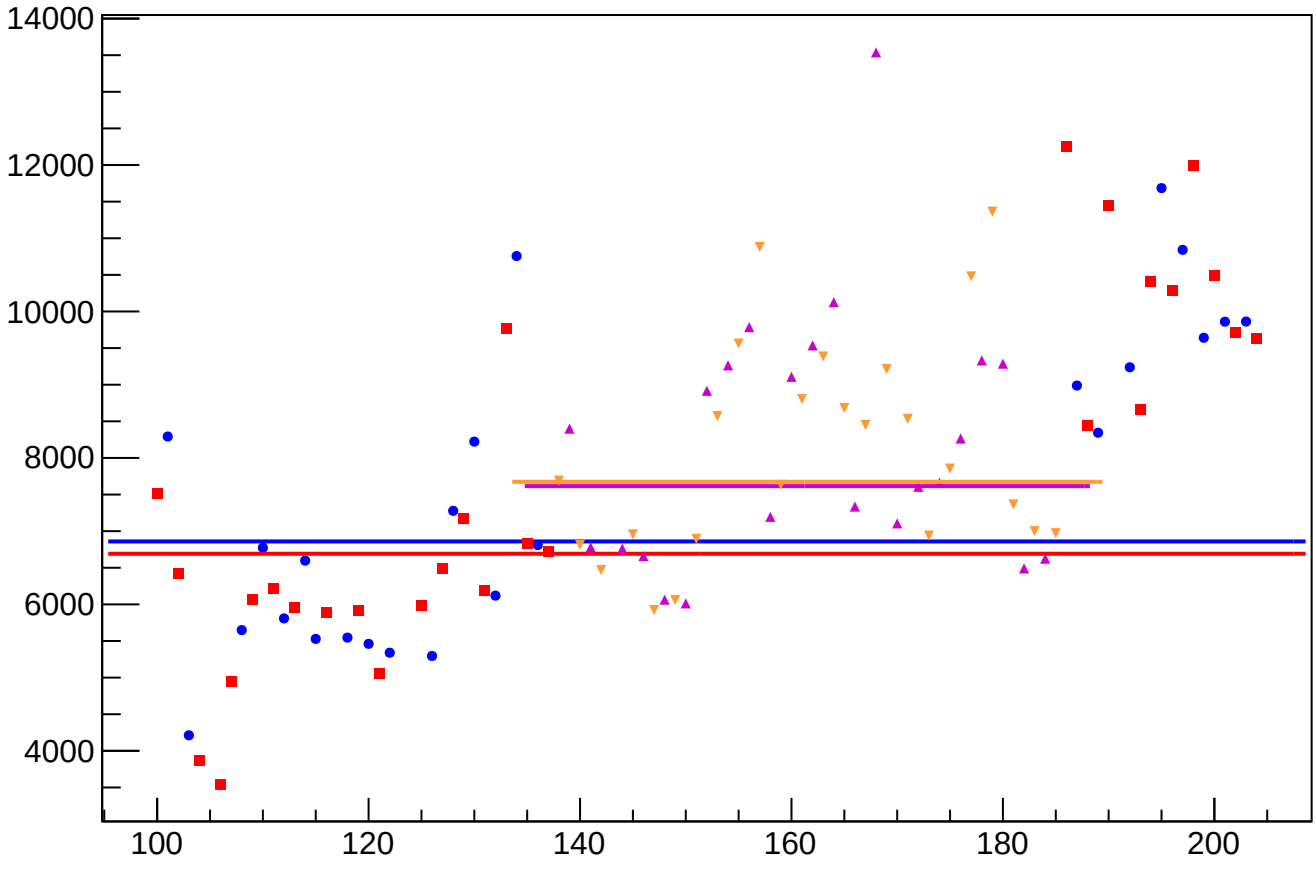
Right: 1526.329+/-1343.767 χ^2/NDF: 53.8/51

In: 562.871+/-1336.099 χ^2/NDF:40.7/46

Out: 1163.558+/-1291.877 χ^2/NDF:56.8/51

All: 873.319+/-928.735 χ^2/NDF: 97.5/98

asym_us_avg_at2lr_avg_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 6859.720+/-1.396 χ^2/NDF: 2150141.1/23

Left Out: 7674.063+/-1.287 χ^2/NDF:1076712.6/23

Right Out: 6691.201+/-1.297 χ^2/NDF: 3040748.6/27

Left In: 7614.964+/-1.283 χ^2/NDF:1224525.6/22

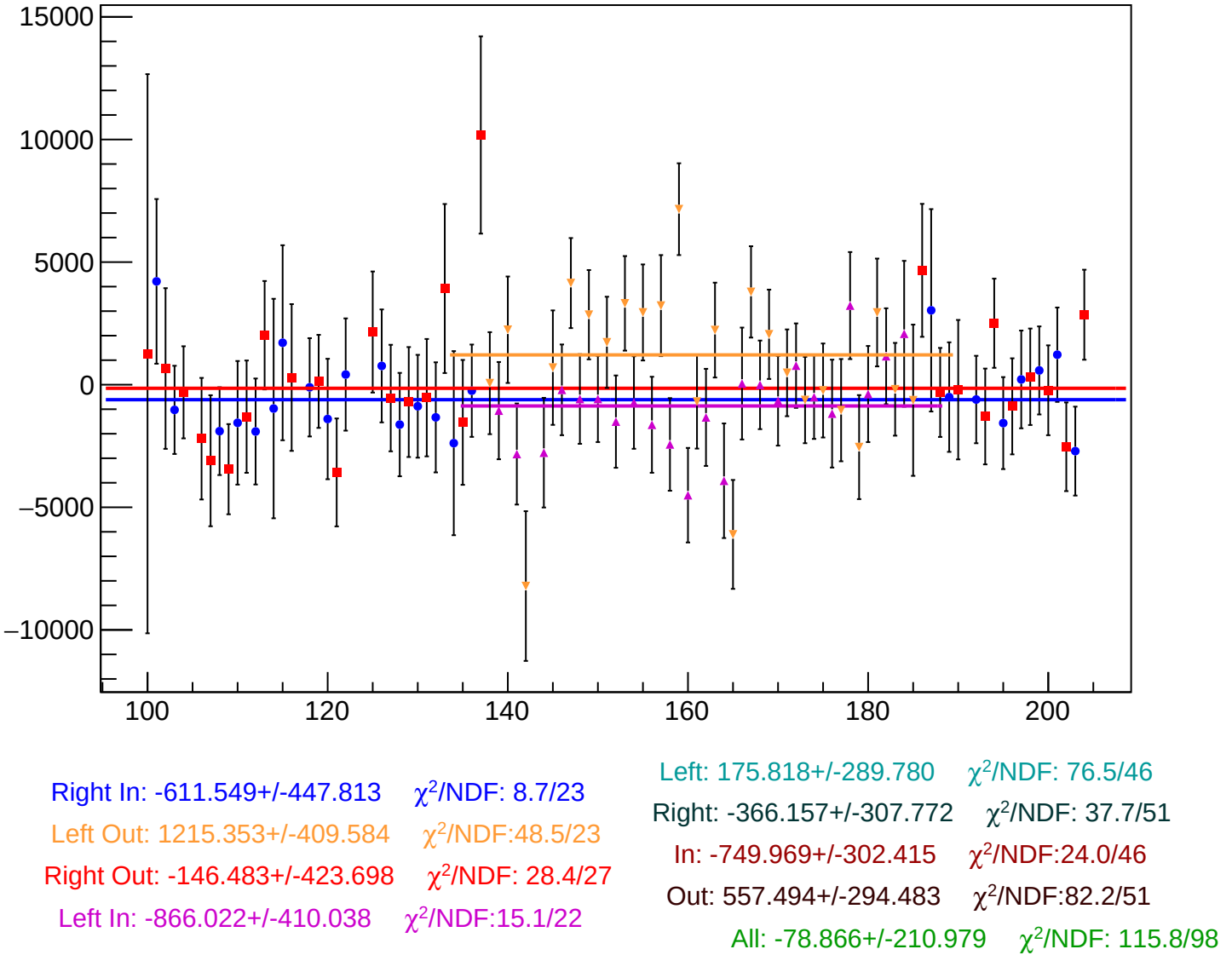
Left: 7644.431+/-0.909 χ^2/NDF: 2302295.7/46

Right: 6769.269+/-0.950 χ^2/NDF: 5198710.7/51

In: 7269.069+/-0.945 χ^2/NDF:3533298.9/46

Out: 7186.480+/-0.913 χ^2/NDF:4406852.7/51

All: 7226.385+/-0.657 χ^2/NDF: 7944101.1/98


dit_asym_us_avg_at2lr_avg_dd_mean vs Slug, Sign Corrected
15000
10000
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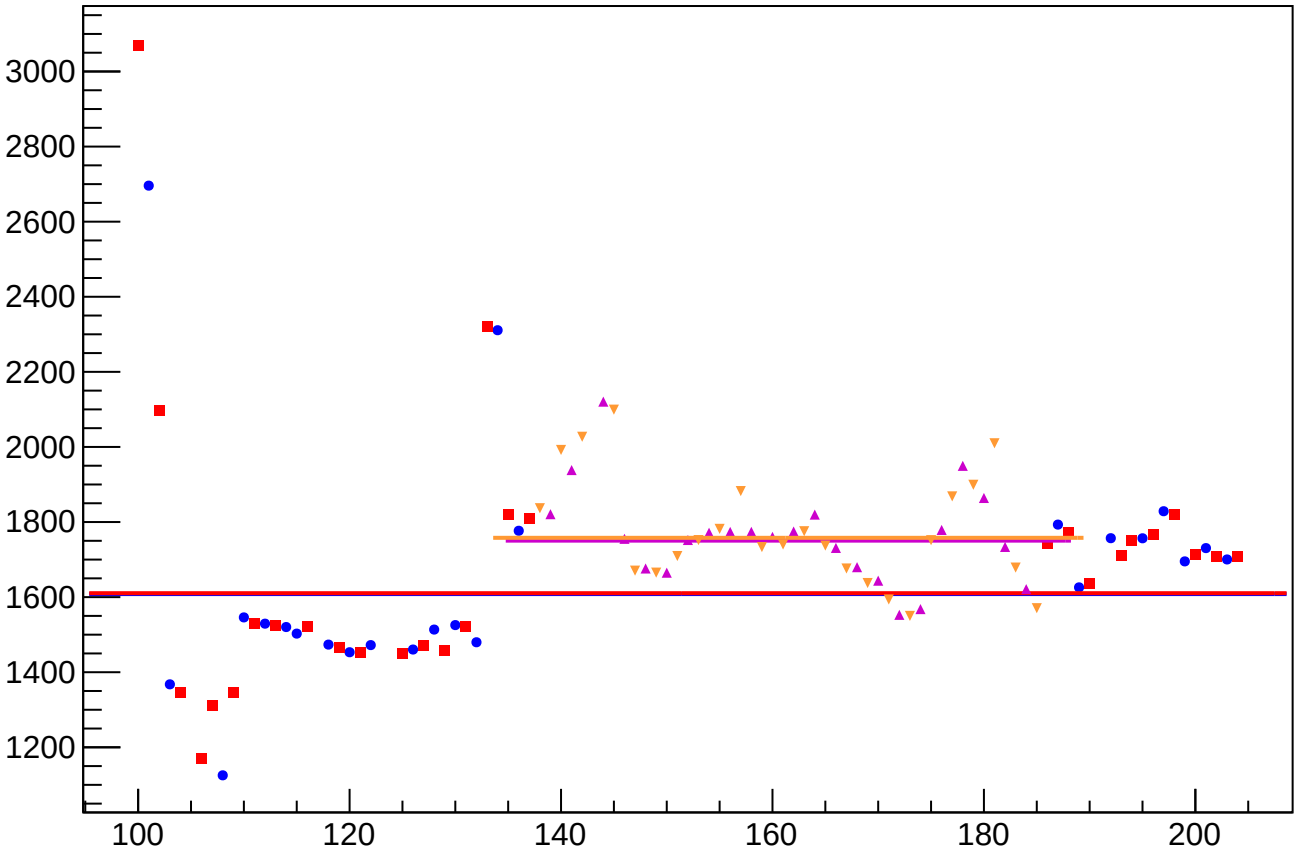
0
−5000
−10000
100
120
140
160
180
200
Right In: -611.549+/-447.813 χ²/NDF: 8.7/23
Left Out: 1215.353+/-409.584 χ²/NDF:48.5/23
Right Out: -146.483+/-423.698 χ²/NDF: 28.4/27
Left In: -866.022+/-410.038 χ²/NDF:15.1/22
Left: 175.818+/-289.780 χ²/NDF: 76.5/46
Right: -366.157+/-307.772 χ²/NDF: 37.7/51
In: -749.969+/-302.415 χ²/NDF:24.0/46
Out: 557.494+/-294.483 χ²/NDF:82.2/51
All: -78.866+/-210.979 χ²/NDF: 115.8/98



Right In: 1608.130+/-0.317 χ^2/NDF: 602281.8/23

Left Out: 1757.965+/-0.290 χ^2/NDF:213284.1/23

Right Out: 1610.490+/-0.300 χ^2/NDF: 499366.3/27

Left In: 1750.477+/-0.290 χ^2/NDF:171889.4/22

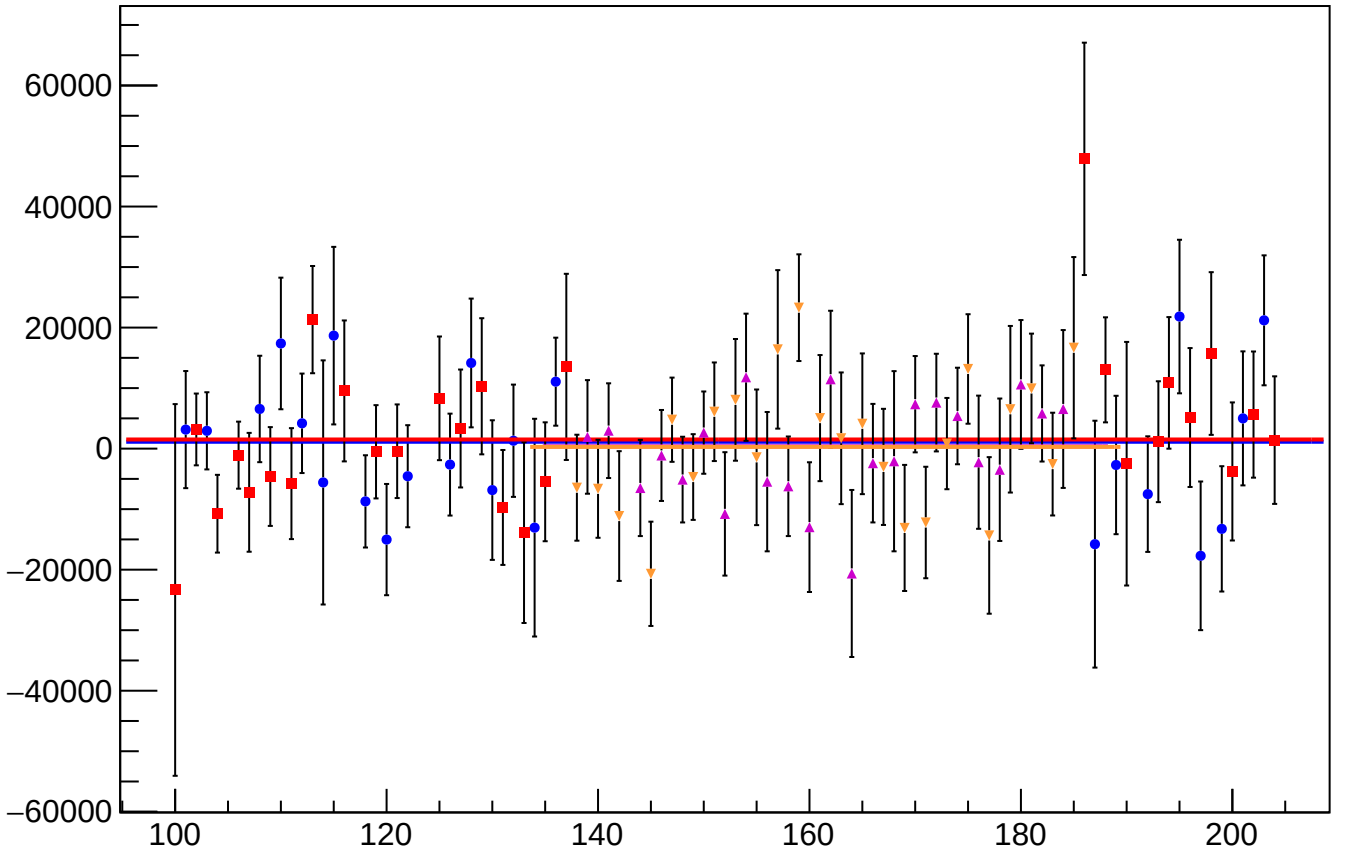
Left: 1754.225+/-0.205 χ^2/NDF: 385507.3/46

Right: 1609.376+/-0.218 χ^2/NDF: 1101677.5/51

In: 1685.559+/-0.214 χ^2/NDF:884095.1/46

Out: 1686.713+/-0.208 χ^2/NDF:837922.9/51

All: 1686.152+/-0.149 χ^2/NDF: 1722033.0/98



Right In: 1135.569+/-2016.969 χ^2/NDF: 26.5/23

Left Out: 284.925+/-1920.134 χ^2/NDF:28.7/23

Right Out: 1511.212+/-1791.953 χ^2/NDF: 26.8/27

Left In: 382.660+/-1912.385 χ^2/NDF:13.6/22

Left: 333.990+/-1354.992 χ^2/NDF: 42.3/46

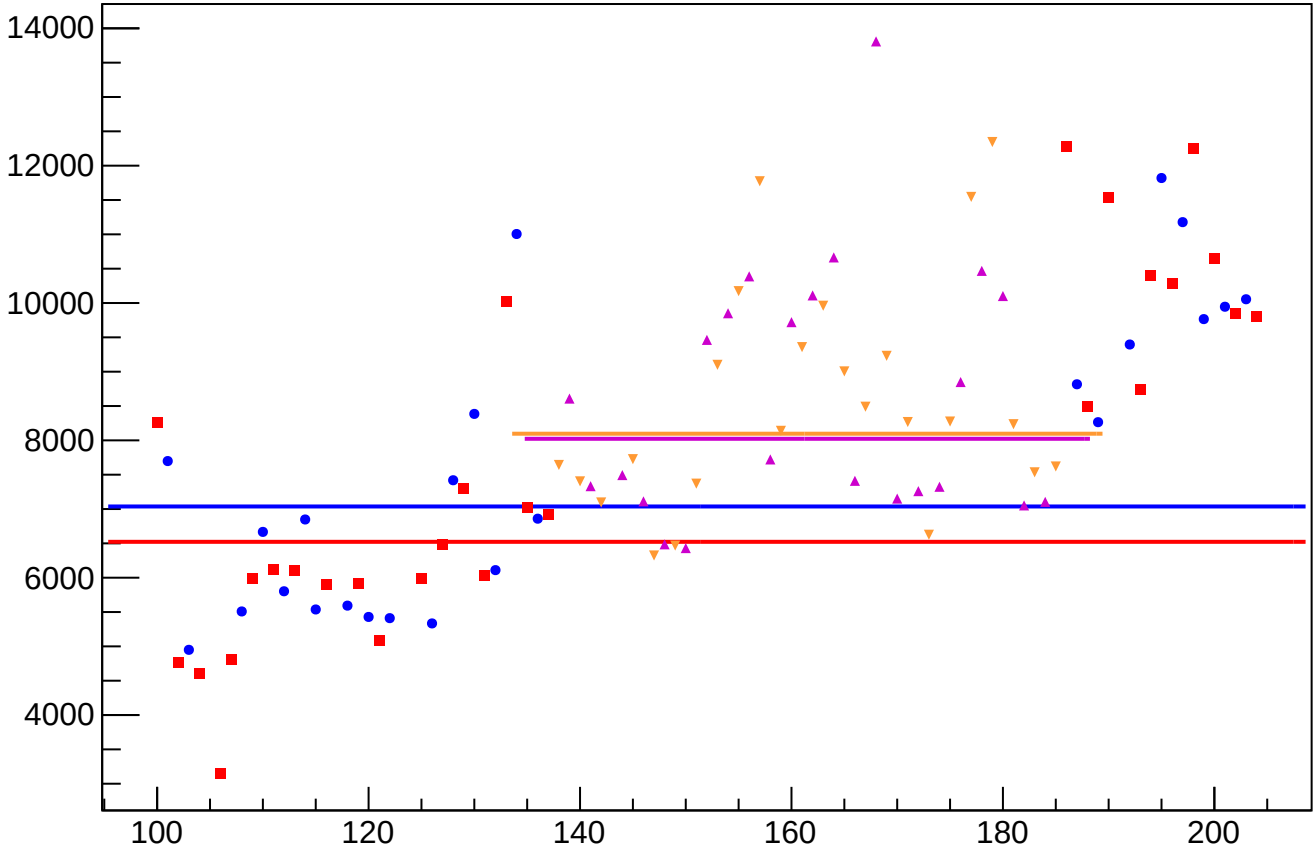
Right: 1345.505+/-1339.622 χ^2/NDF: 53.3/51

In: 739.089+/-1387.761 χ^2/NDF:40.2/46

Out: 940.363+/-1310.076 χ^2/NDF:55.7/51

All: 845.517+/-952.643 χ^2/NDF: 95.8/98

asym_us_avg_at2lr_avg_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 7037.203+/-1.426 χ^2/NDF: 1897260.4/23

Left Out: 8096.821+/-1.358 χ^2/NDF:1087790.8/23

Right Out: 6522.425+/-1.267 χ^2/NDF: 3400027.5/27

Left In: 8022.726+/-1.352 χ^2/NDF:1225549.2/22

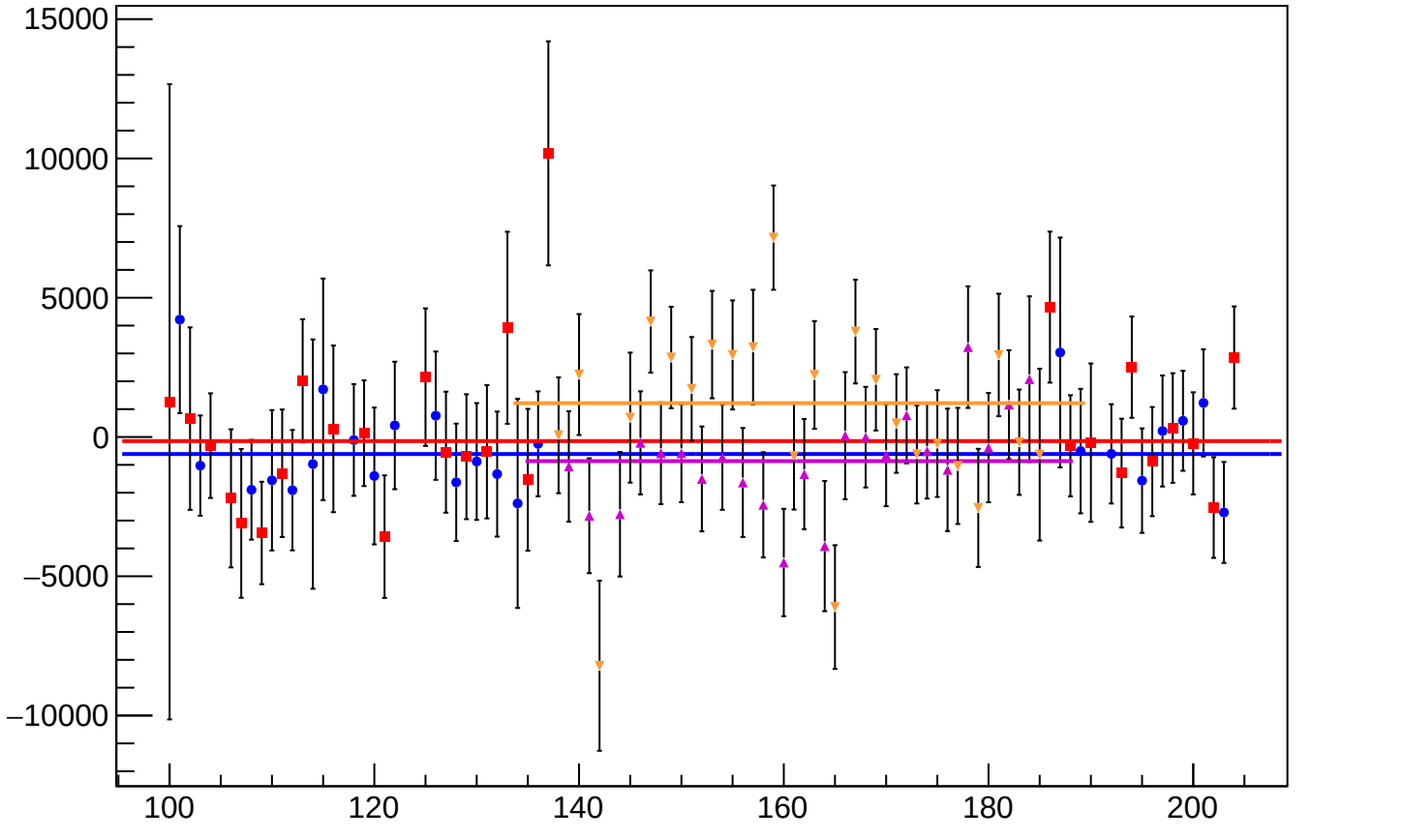
Left: 8059.624+/-0.958 χ^2/NDF: 2314835.1/46

Right: 6749.509+/-0.947 χ^2/NDF: 5370096.7/51

In: 7556.177+/-0.981 χ^2/NDF:3374254.8/46

Out: 7255.322+/-0.926 χ^2/NDF:5206496.0/51

All: 7397.094+/-0.674 χ^2/NDF: 8630453.6/98



Right In: -611.546+/-447.813 χ^2/NDF: 8.7/23

Left Out: 1215.361+/-409.585 χ^2/NDF:48.5/23

Right Out: -146.489+/-423.698 χ^2/NDF: 28.4/27

Left In: -866.021+/-410.039 χ^2/NDF:15.1/22

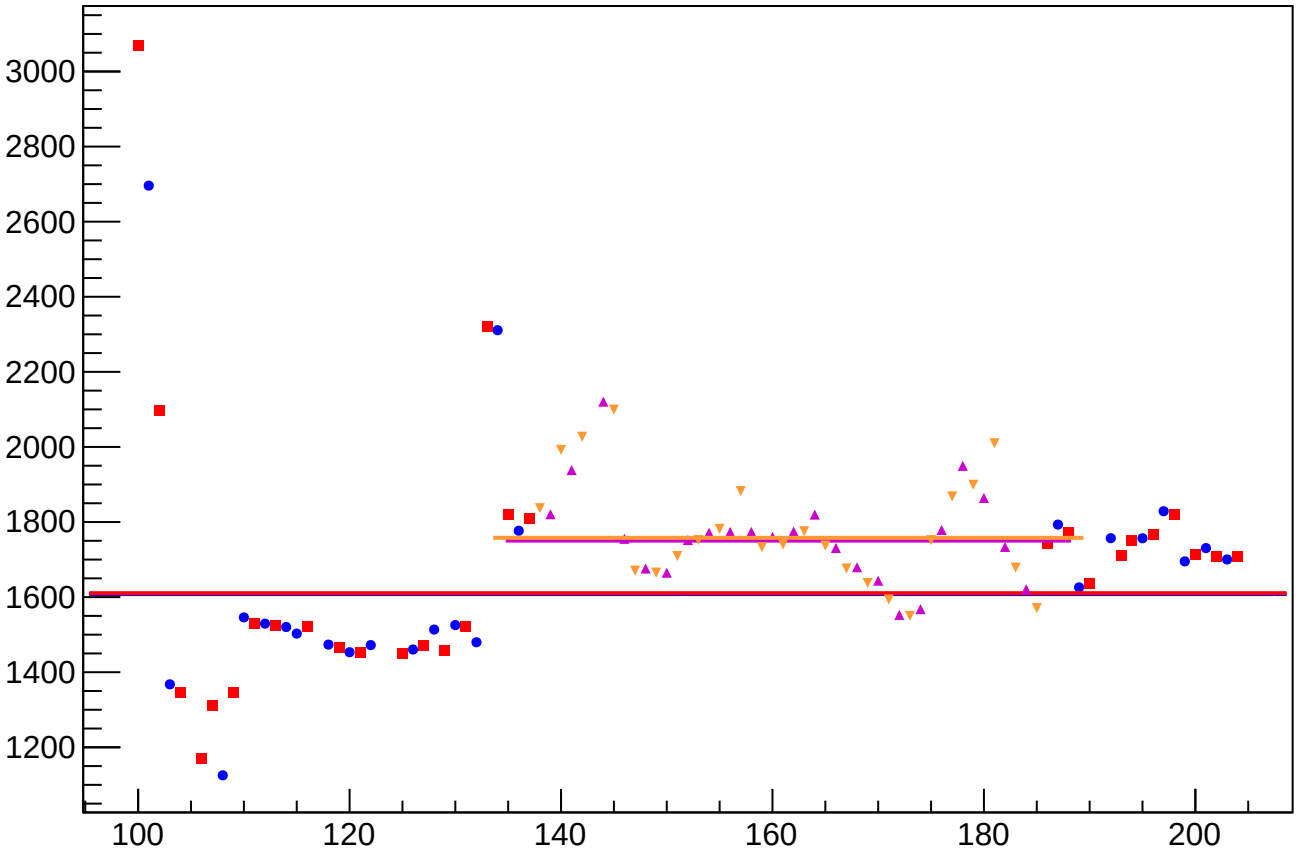
Left: 175.823+/-289.781 χ^2/NDF: 76.5/46

Right: -366.159+/-307.772 χ^2/NDF: 37.7/51

In: -749.967+/-302.415 χ^2/NDF:24.0/46

Out: 557.495+/-294.483 χ^2/NDF:82.2/51

All: -78.865+/-210.980 χ^2/NDF: 115.8/98



Right In: 1608.130+/-0.317 χ^2/NDF: 602282.0/23

Left Out: 1757.968+/-0.290 χ^2/NDF:213292.2/23

Right Out: 1610.491+/-0.300 χ^2/NDF: 499367.7/27

Left In: 1750.480+/-0.290 χ^2/NDF:171897.3/22

Left: 1754.228+/-0.205 χ^2/NDF: 385523.3/46

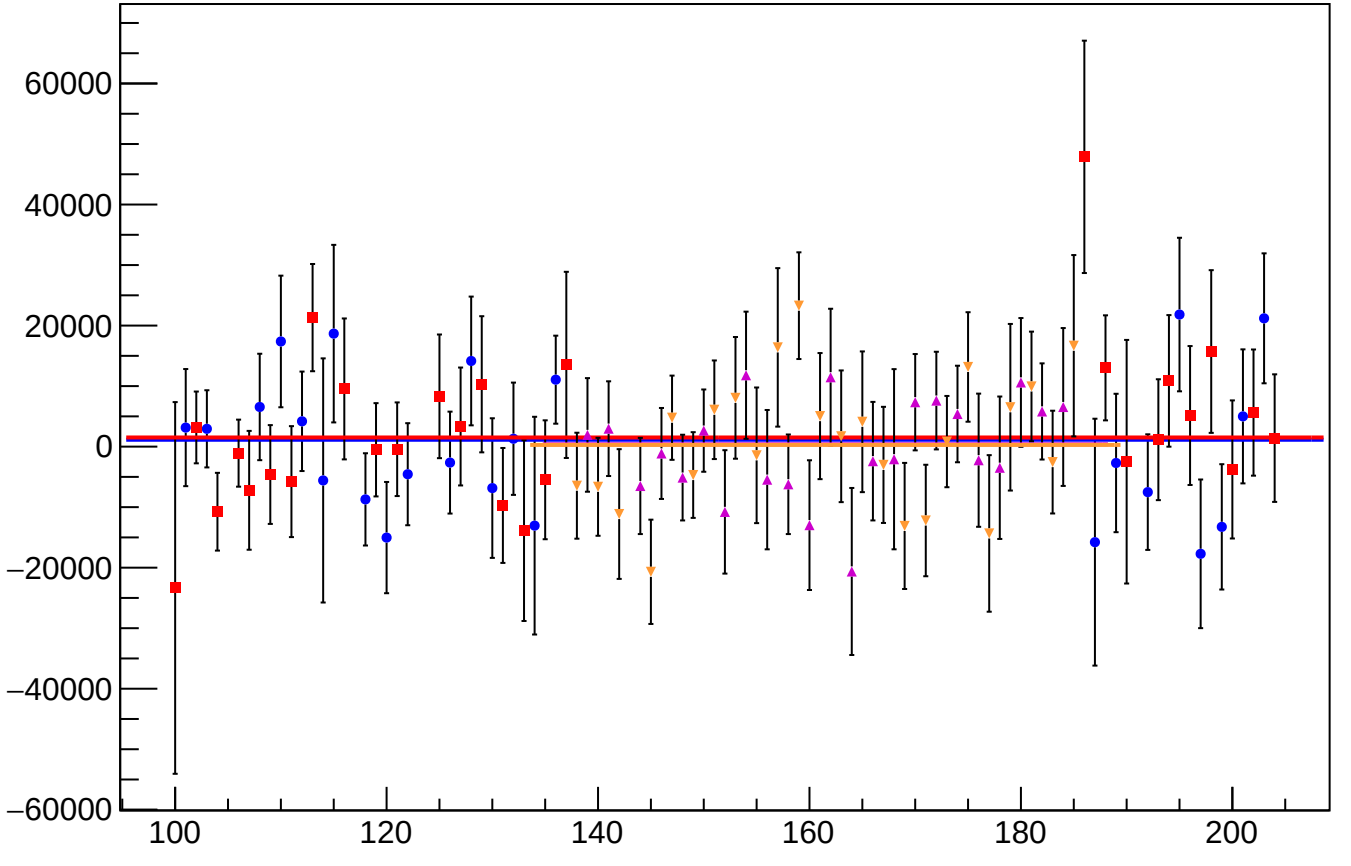
Right: 1609.376+/-0.218 χ^2/NDF: 1101679.0/51

In: 1685.561+/-0.214 χ^2/NDF:884107.3/46

Out: 1686.715+/-0.208 χ^2/NDF:837936.3/51

All: 1686.153+/-0.149 χ^2/NDF: 1722058.5/98

asym_us_avg_at2lr_avg_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 1135.554+/-2016.967 χ^2/NDF: 26.5/23

Left Out: 284.927+/-1920.138 χ^2/NDF:28.7/23

Right Out: 1511.201+/-1791.951 χ^2/NDF: 26.8/27

Left In: 382.663+/-1912.388 χ^2/NDF:13.6/22

Left: 333.993+/-1354.994 χ^2/NDF: 42.3/46

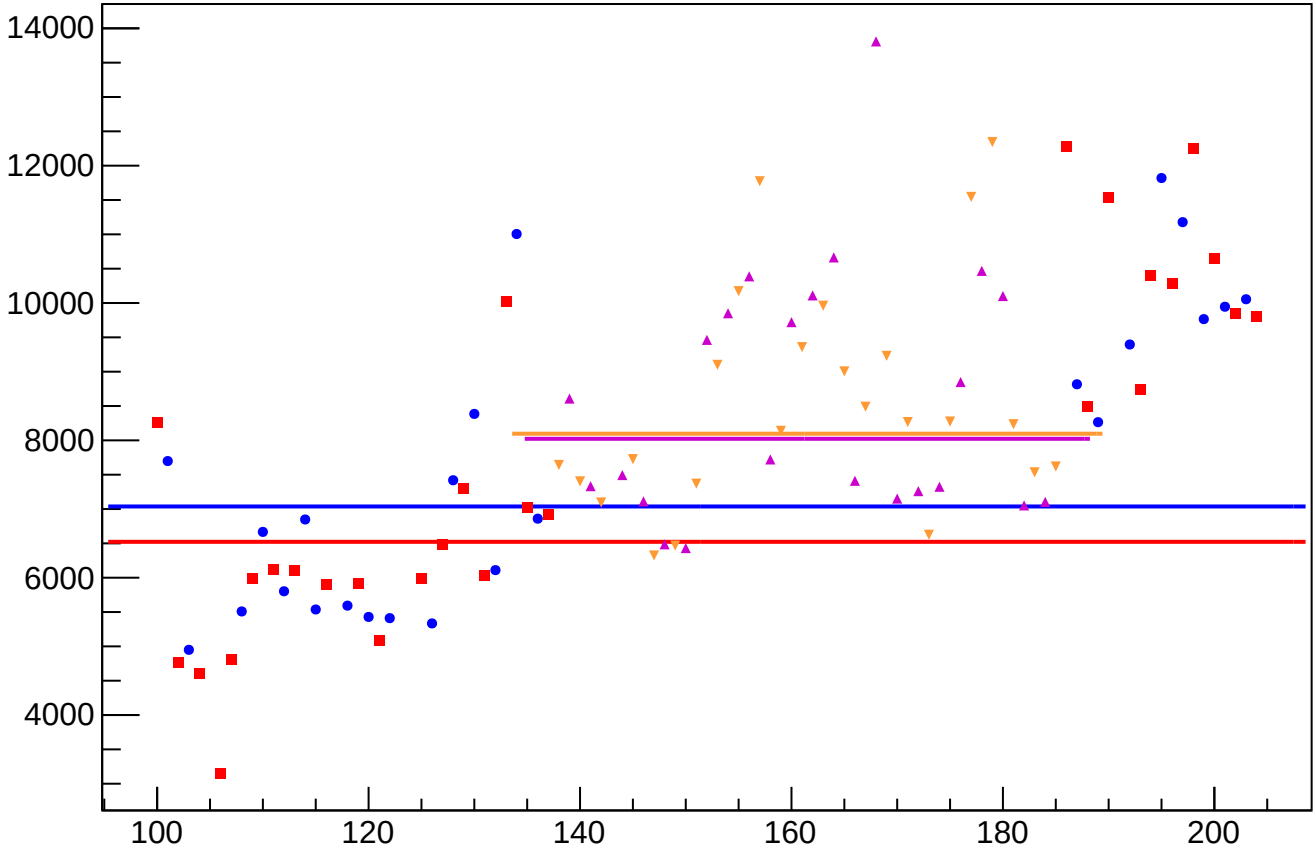
Right: 1345.492+/-1339.621 χ^2/NDF: 53.3/51

In: 739.085+/-1387.761 χ^2/NDF:40.2/46

Out: 940.359+/-1310.076 χ^2/NDF:55.7/51

All: 845.513+/-952.644 χ^2/NDF: 95.8/98

asym_us_avg_at2lr_avg_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 7037.192+/-1.426 χ^2/NDF: 1897281.7/23

Left Out: 8096.833+/-1.358 χ^2/NDF:1087793.4/23

Right Out: 6522.414+/-1.267 χ^2/NDF: 3400049.7/27

Left In: 8022.738+/-1.352 χ^2/NDF:1225553.6/22

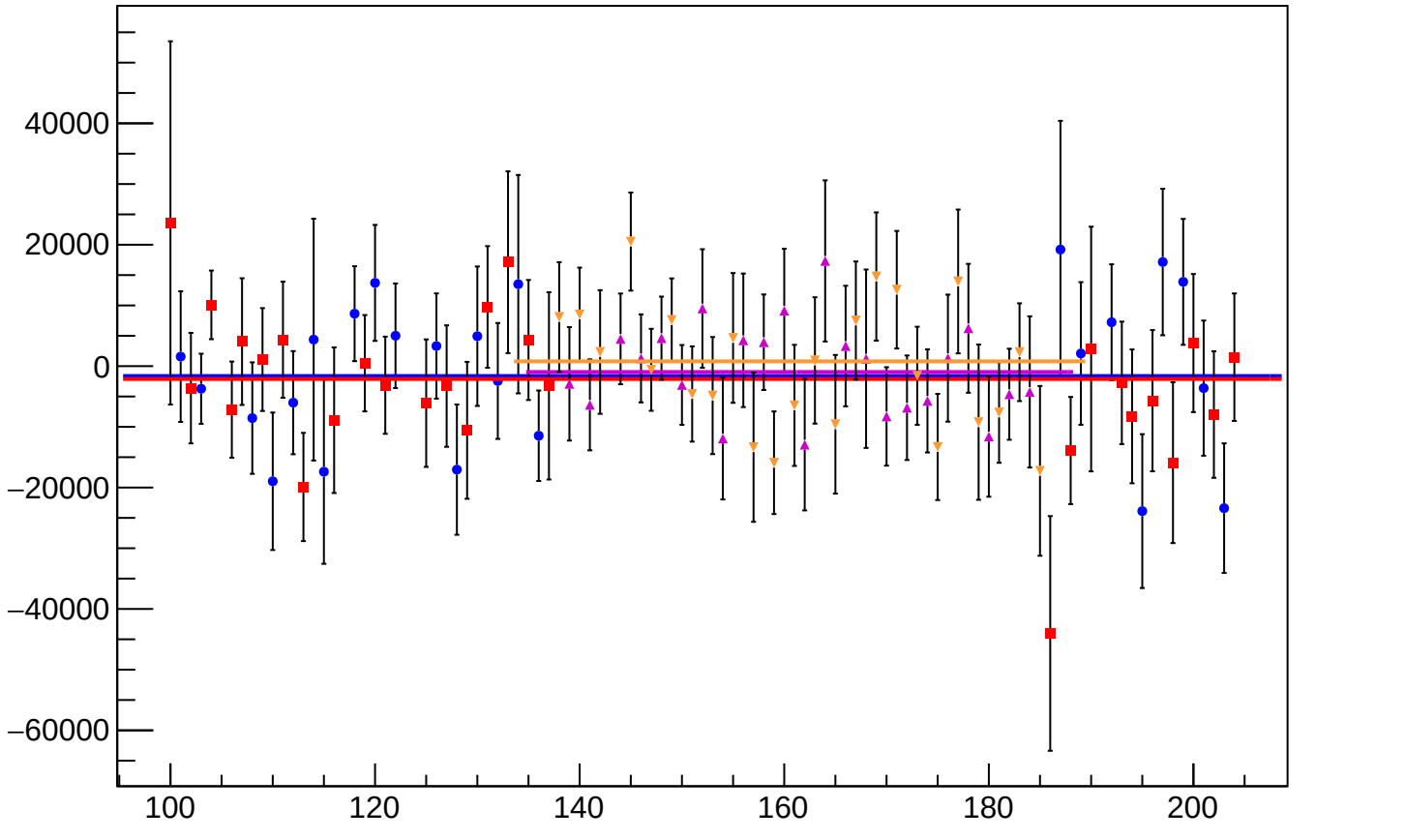
Left: 8059.636+/-0.958 χ^2/NDF: 2314842.1/46

Right: 6749.498+/-0.947 χ^2/NDF: 5370140.1/51

In: 7556.176+/-0.981 χ^2/NDF:3374292.3/46

Out: 7255.320+/-0.926 χ^2/NDF:5206541.4/51

All: 7397.092+/-0.674 χ^2/NDF: 8630537.0/98



Right In: -1632.059+/-2036.437 χ^2/NDF: 28.5/23

Left Out: 791.264+/-1865.111 χ^2/NDF:27.2/23

Right Out: -2115.056+/-1902.085 χ^2/NDF: 24.2/27

Left In: -963.967+/-1859.926 χ^2/NDF:12.8/22

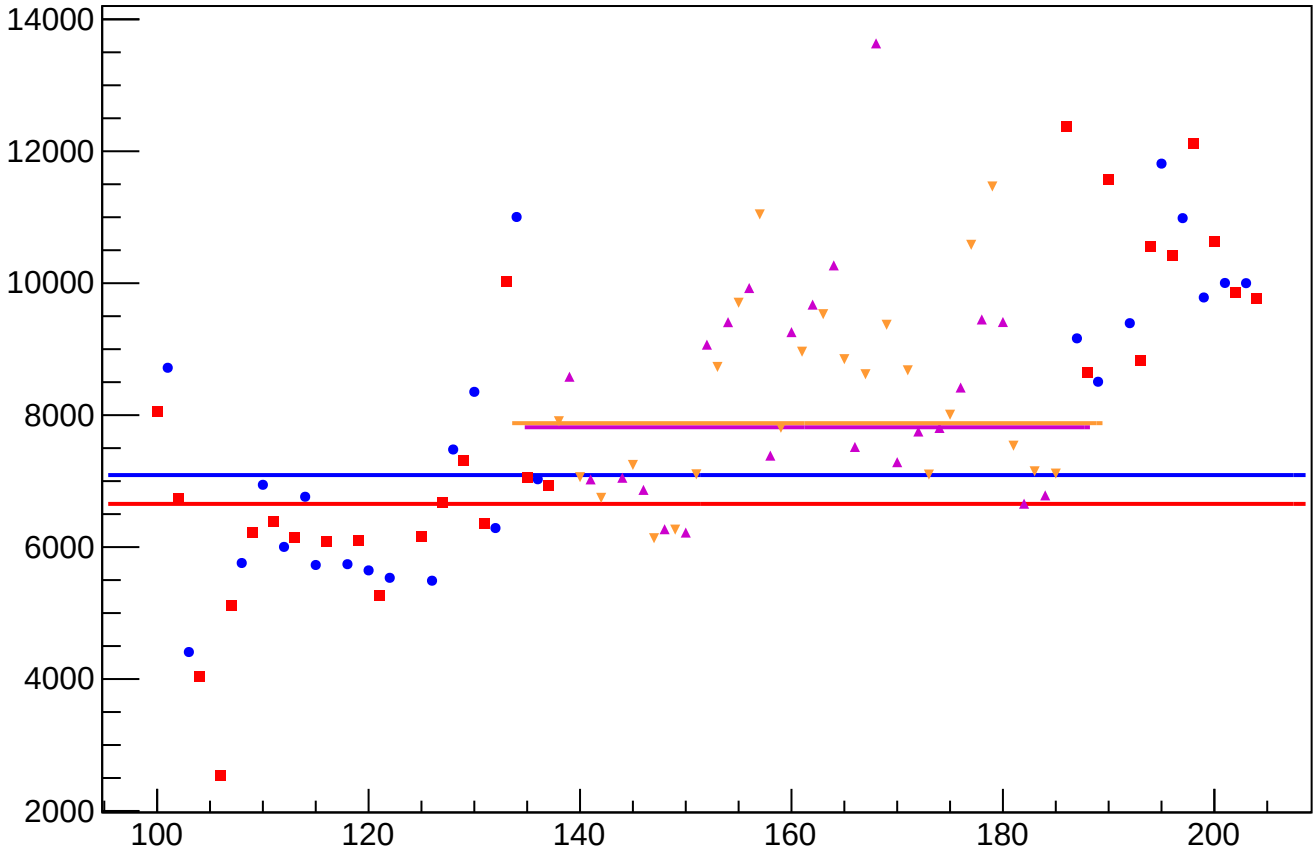
Left: -88.795+/-1316.995 χ^2/NDF: 40.4/46

Right: -1890.014+/-1390.049 χ^2/NDF: 52.7/51

In: -1267.810+/-1373.336 χ^2/NDF:41.4/46

Out: -633.374+/-1331.712 χ^2/NDF:52.5/51

All: -940.832+/-956.040 χ^2/NDF: 94.0/98



Right In: 7091.693+/-1.440 χ^2/NDF: 2014773.7/23

Left Out: 7878.482+/-1.319 χ^2/NDF:990058.5/23

Right Out: 6654.811+/-1.309 χ^2/NDF: 3639938.2/27

Left In: 7816.447+/-1.315 χ^2/NDF:1132368.2/22

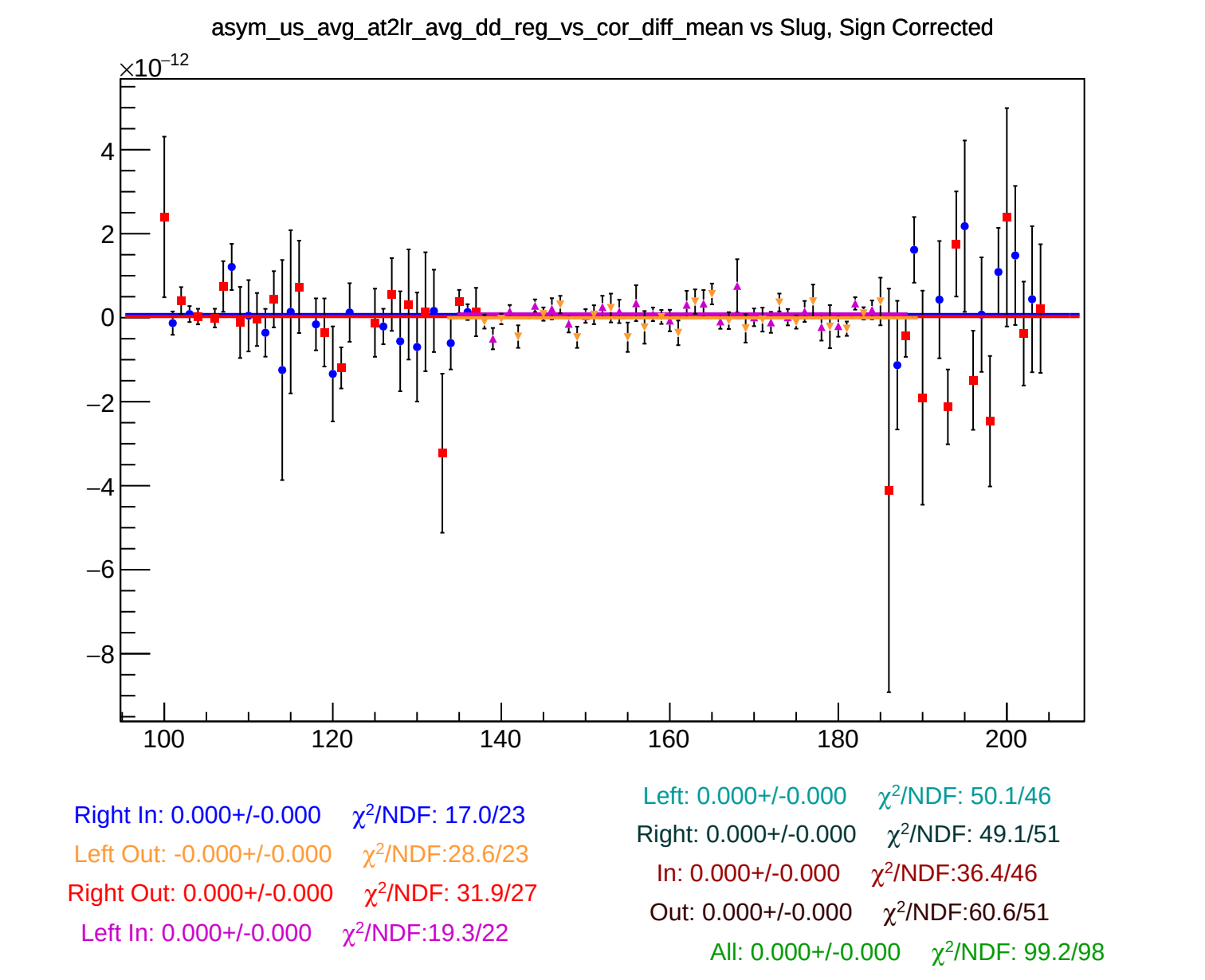
Left: 7847.378+/-0.931 χ^2/NDF: 2123536.1/46

Right: 6852.531+/-0.969 χ^2/NDF: 5705102.2/51

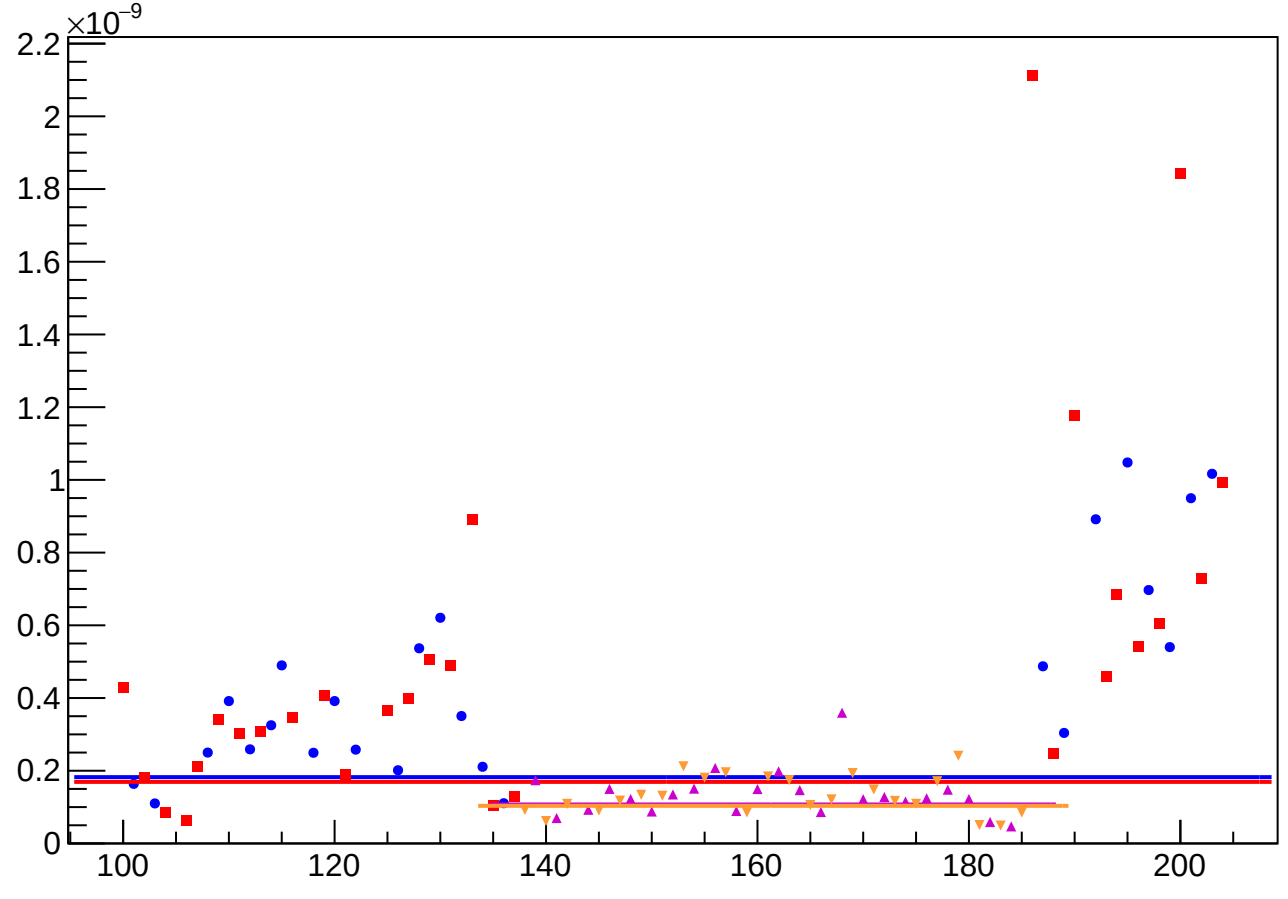
In: 7486.834+/-0.971 χ^2/NDF:3285255.1/46

Out: 7262.201+/-0.929 χ^2/NDF:5063571.5/51

All: 7369.563+/-0.671 χ^2/NDF: 8376761.1/98


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
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 17.0/23
Left Out: -0.000+/-0.000 χ²/NDF:28.6/23
Right Out: 0.000+/-0.000 χ²/NDF: 31.9/27
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: 49.1/51
In: 0.000+/-0.000 χ²/NDF:36.4/46
Out: 0.000+/-0.000 χ²/NDF:60.6/51
All: 0.000+/-0.000 χ²/NDF: 99.2/98

asym_us_avg_at2lr_avg_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3829922.1/23

Left Out: 0.000+/-0.000 χ^2/NDF:1905146.0/23

Right Out: 0.000+/-0.000 χ^2/NDF: 5724226.9/27

Left In: 0.000+/-0.000 χ^2/NDF:1596017.6/22

Left: 0.000+/-0.000 χ^2/NDF: 3508045.7/46

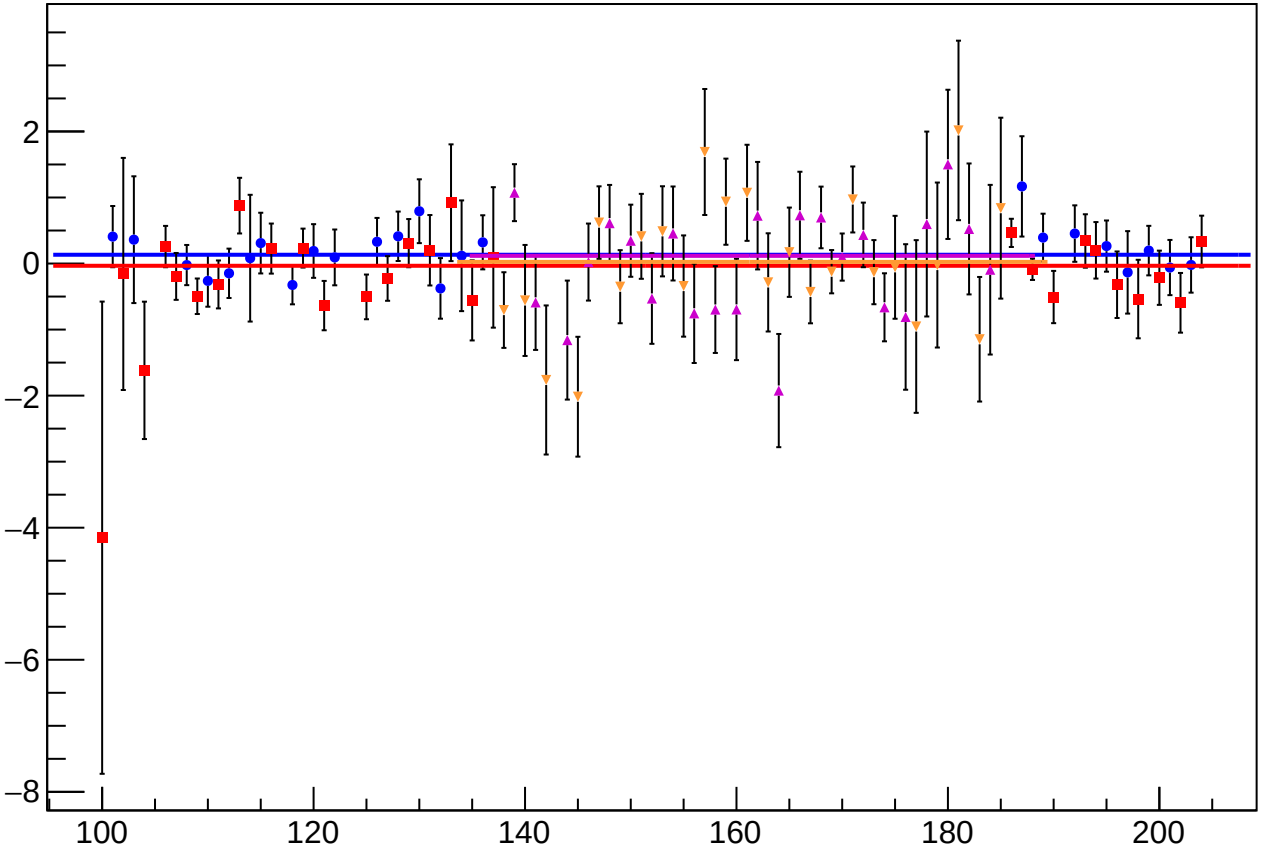
Right: 0.000+/-0.000 χ^2/NDF: 9571316.7/51

In: 0.000+/-0.000 χ^2/NDF:6350341.3/46

Out: 0.000+/-0.000 χ^2/NDF:8377241.3/51

All: 0.000+/-0.000 χ^2/NDF: 14743538.1/98

asym_us_avg_at2lr_avg_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.133+/-0.087 χ^2/NDF: 12.6/23

Left Out: 0.025+/-0.134 χ^2/NDF:29.1/23

Right Out: -0.034+/-0.069 χ^2/NDF: 33.9/27

Left In: 0.117+/-0.132 χ^2/NDF:27.8/22

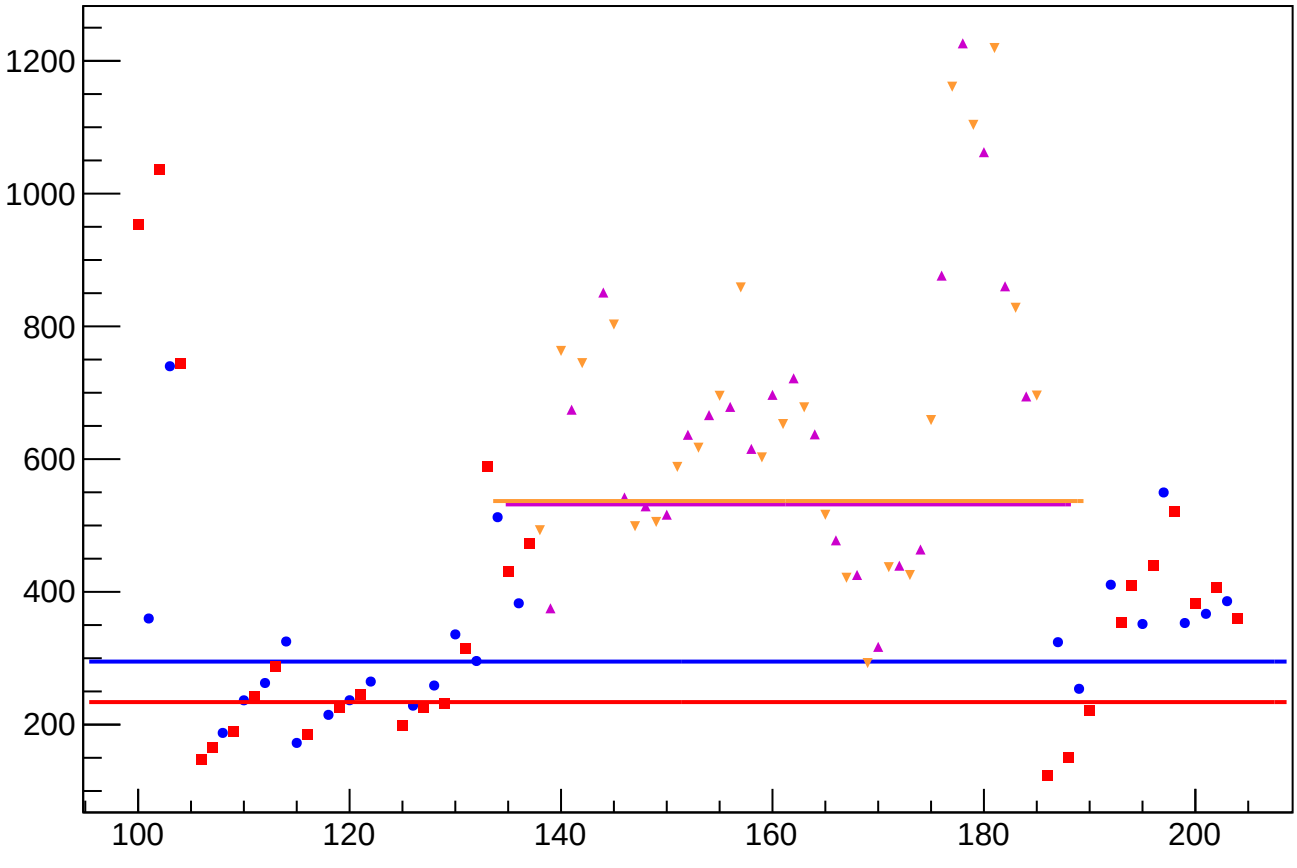
Left: 0.071+/-0.094 χ^2/NDF: 57.1/46

Right: 0.031+/-0.054 χ^2/NDF: 48.8/51

In: 0.128+/-0.073 χ^2/NDF:40.5/46

Out: -0.021+/-0.062 χ^2/NDF:63.1/51

All: 0.041+/-0.047 χ^2/NDF: 106.1/98



Right In: 294.973+/-0.061 χ^2/NDF: 2203063.1/23

Left Out: 536.821+/-0.095 χ^2/NDF:3963242.1/23

Right Out: 233.944+/-0.049 χ^2/NDF: 5186301.4/27

Left In: 531.769+/-0.094 χ^2/NDF:3381209.0/22

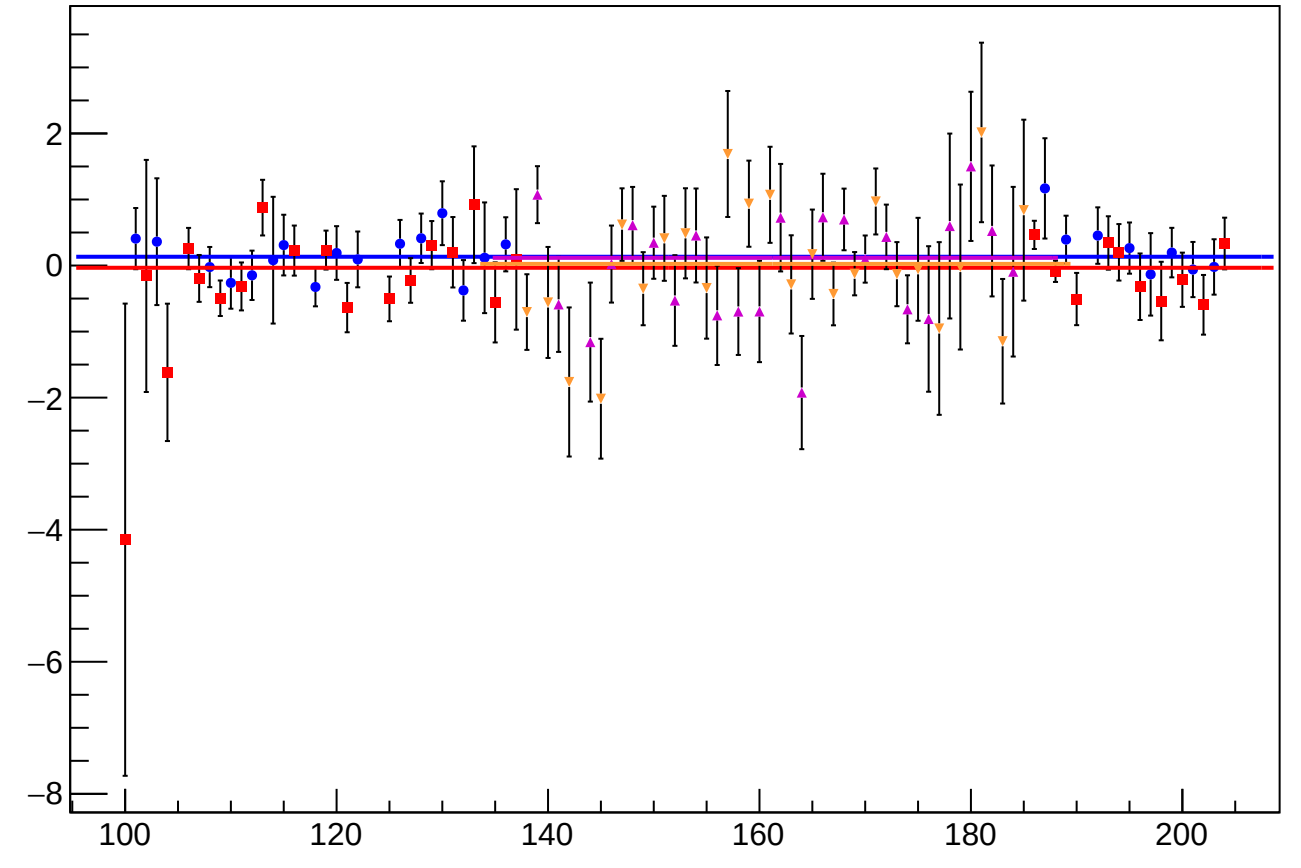
Left: 534.267+/-0.067 χ^2/NDF: 7345889.1/46

Right: 257.761+/-0.038 χ^2/NDF: 7994188.5/51

In: 365.946+/-0.051 χ^2/NDF:10059980.6/46

Out: 297.922+/-0.044 χ^2/NDF:17212483.6/51

All: 326.418+/-0.033 χ^2/NDF: 28295031.4/98



Right In: 0.133+/-0.087 χ^2/NDF: 12.6/23

Left Out: 0.025+/-0.134 χ^2/NDF:29.1/23

Right Out: -0.034+/-0.069 χ^2/NDF: 33.9/27

Left In: 0.117+/-0.132 χ^2/NDF:27.8/22

Left: 0.071+/-0.094 χ^2/NDF: 57.1/46

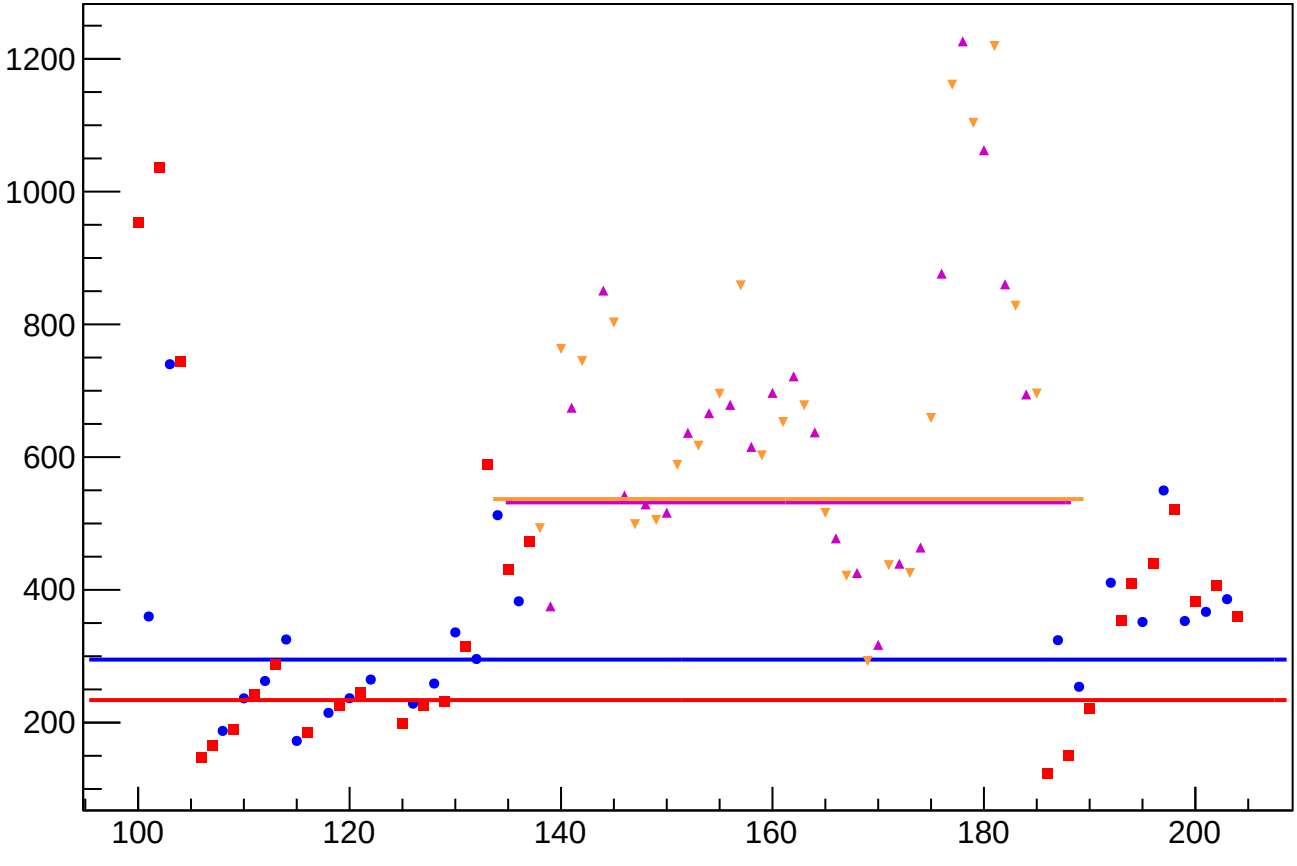
Right: 0.031+/-0.054 χ^2/NDF: 48.8/51

In: 0.128+/-0.073 χ^2/NDF:40.5/46

Out: -0.021+/-0.062 χ^2/NDF:63.1/51

All: 0.041+/-0.047 χ^2/NDF: 106.1/98

asym_us_avg_at2lr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 294.973+/-0.061 χ^2/NDF: 2203063.1/23

Left Out: 536.821+/-0.095 χ^2/NDF:3963242.1/23

Right Out: 233.944+/-0.049 χ^2/NDF: 5186301.4/27

Left In: 531.769+/-0.094 χ^2/NDF:3381209.0/22

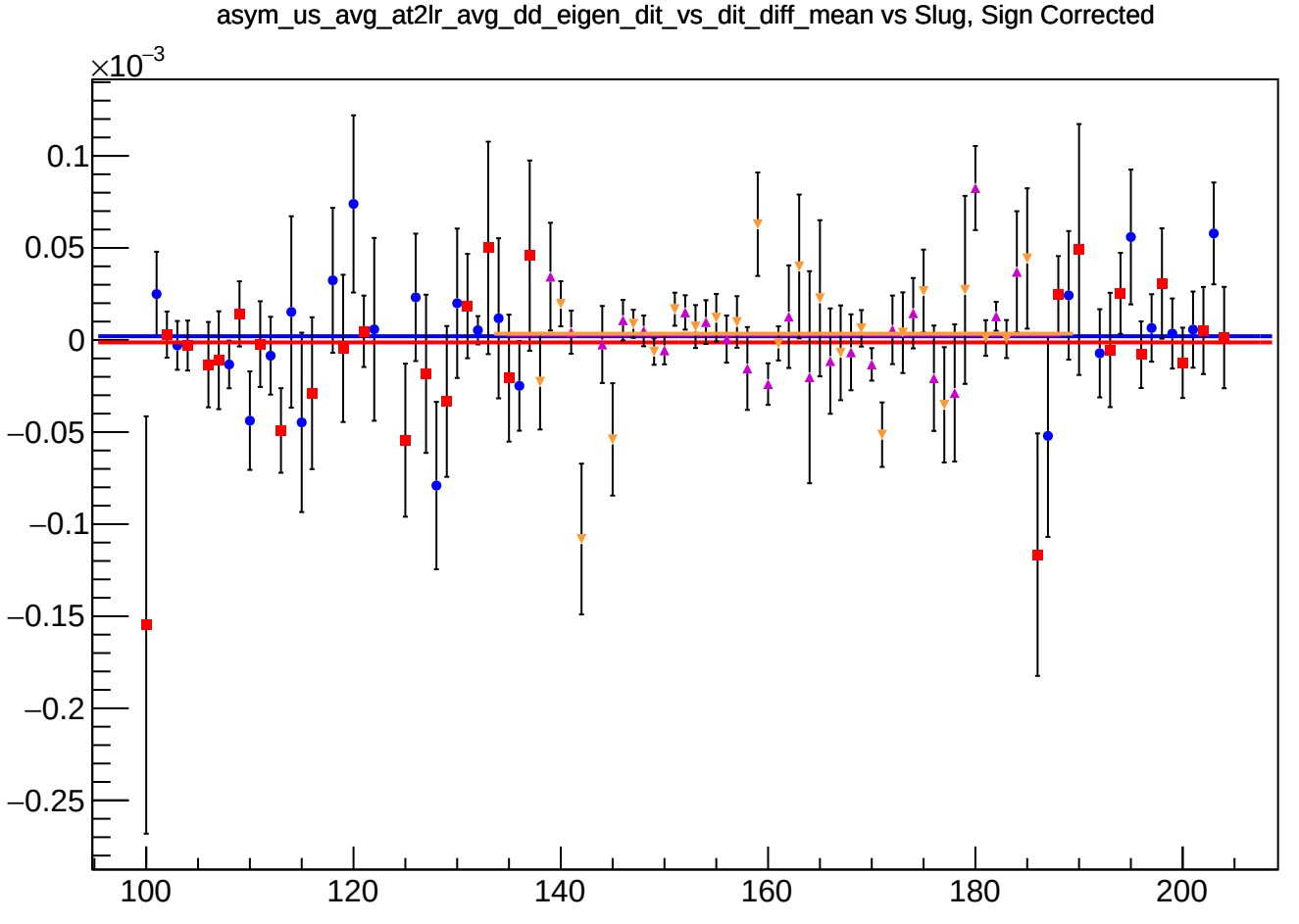
Left: 534.267+/-0.067 χ^2/NDF: 7345889.1/46

Right: 257.761+/-0.038 χ^2/NDF: 7994188.5/51

In: 365.946+/-0.051 χ^2/NDF:10059980.6/46

Out: 297.922+/-0.044 χ^2/NDF:17212483.6/51

All: 326.418+/-0.033 χ^2/NDF: 28295031.4/98



Right In: 0.000+/-0.000 χ^2/NDF: 22.6/23

Left Out: 0.000+/-0.000 χ^2/NDF:39.1/23

Right Out: -0.000+/-0.000 χ^2/NDF: 21.2/27

Left In: 0.000+/-0.000 χ^2/NDF:32.2/22

Left: 0.000+/-0.000 χ^2/NDF: 71.3/46

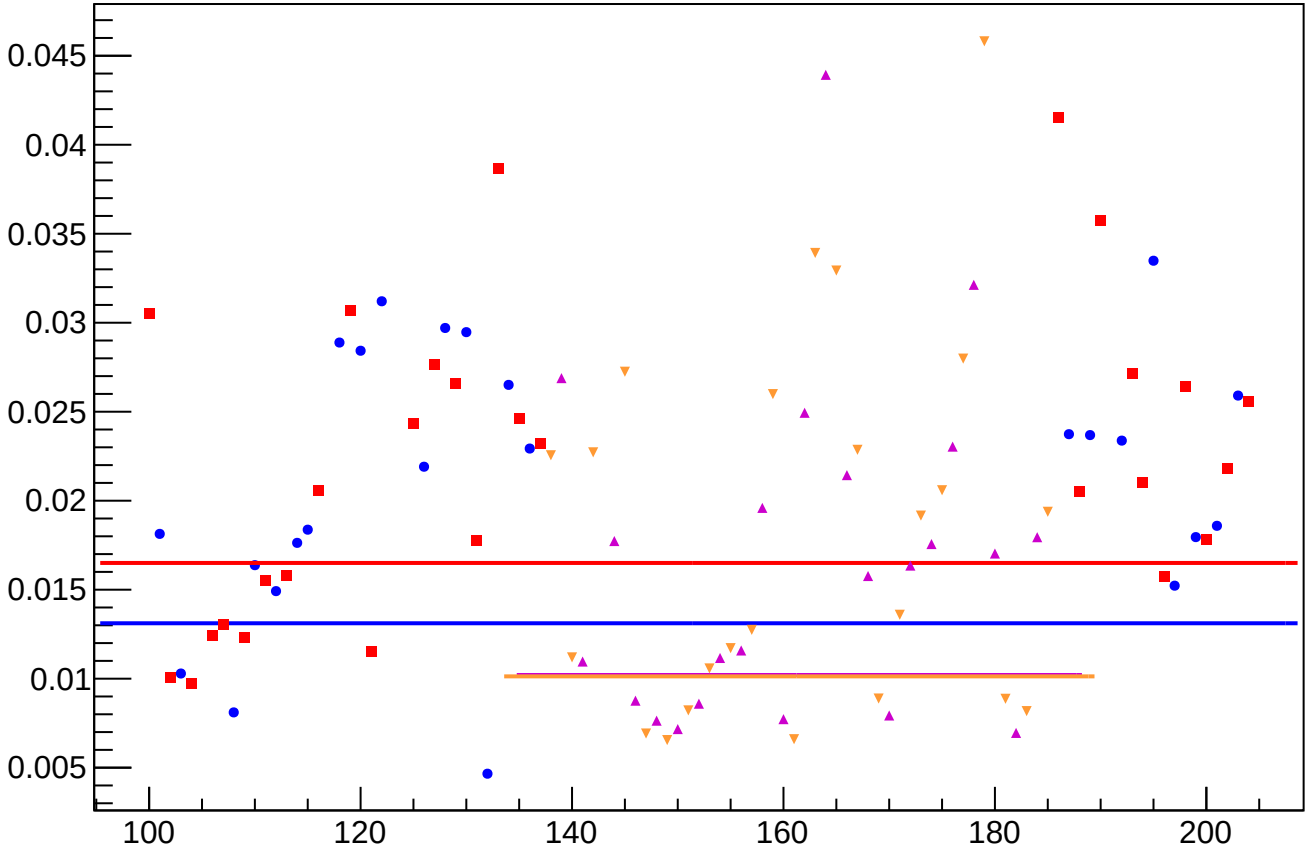
Right: 0.000+/-0.000 χ^2/NDF: 44.1/51

In: 0.000+/-0.000 χ^2/NDF:54.8/46

Out: 0.000+/-0.000 χ^2/NDF:61.0/51

All: 0.000+/-0.000 χ^2/NDF: 115.8/98

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.013+/-0.000 χ^2/NDF: 6989804.3/23

Left Out: 0.010+/-0.000 χ^2/NDF:7812047.6/23

Right Out: 0.017+/-0.000 χ^2/NDF: 3834374.4/27

Left In: 0.010+/-0.000 χ^2/NDF:6075883.8/22

Left: 0.010+/-0.000 χ^2/NDF: 13888720.1/46

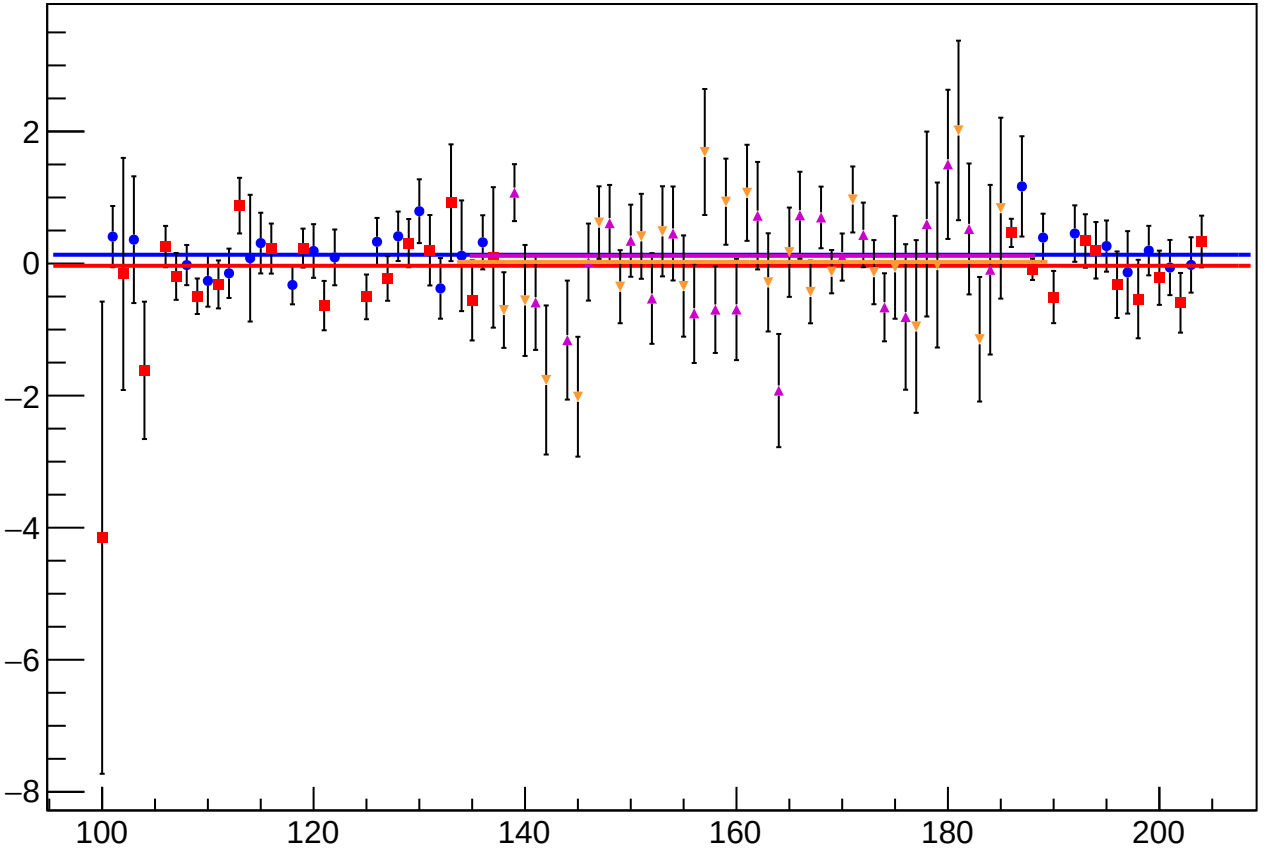
Right: 0.015+/-0.000 χ^2/NDF: 11395139.1/51

In: 0.011+/-0.000 χ^2/NDF:13707033.1/46

Out: 0.012+/-0.000 χ^2/NDF:14434888.6/51

All: 0.011+/-0.000 χ^2/NDF: 28236070.0/98

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.133+/-0.087 χ^2/NDF: 12.6/23

Left Out: 0.025+/-0.134 χ^2/NDF:29.1/23

Right Out: -0.034+/-0.069 χ^2/NDF: 33.9/27

Left In: 0.117+/-0.132 χ^2/NDF:27.8/22

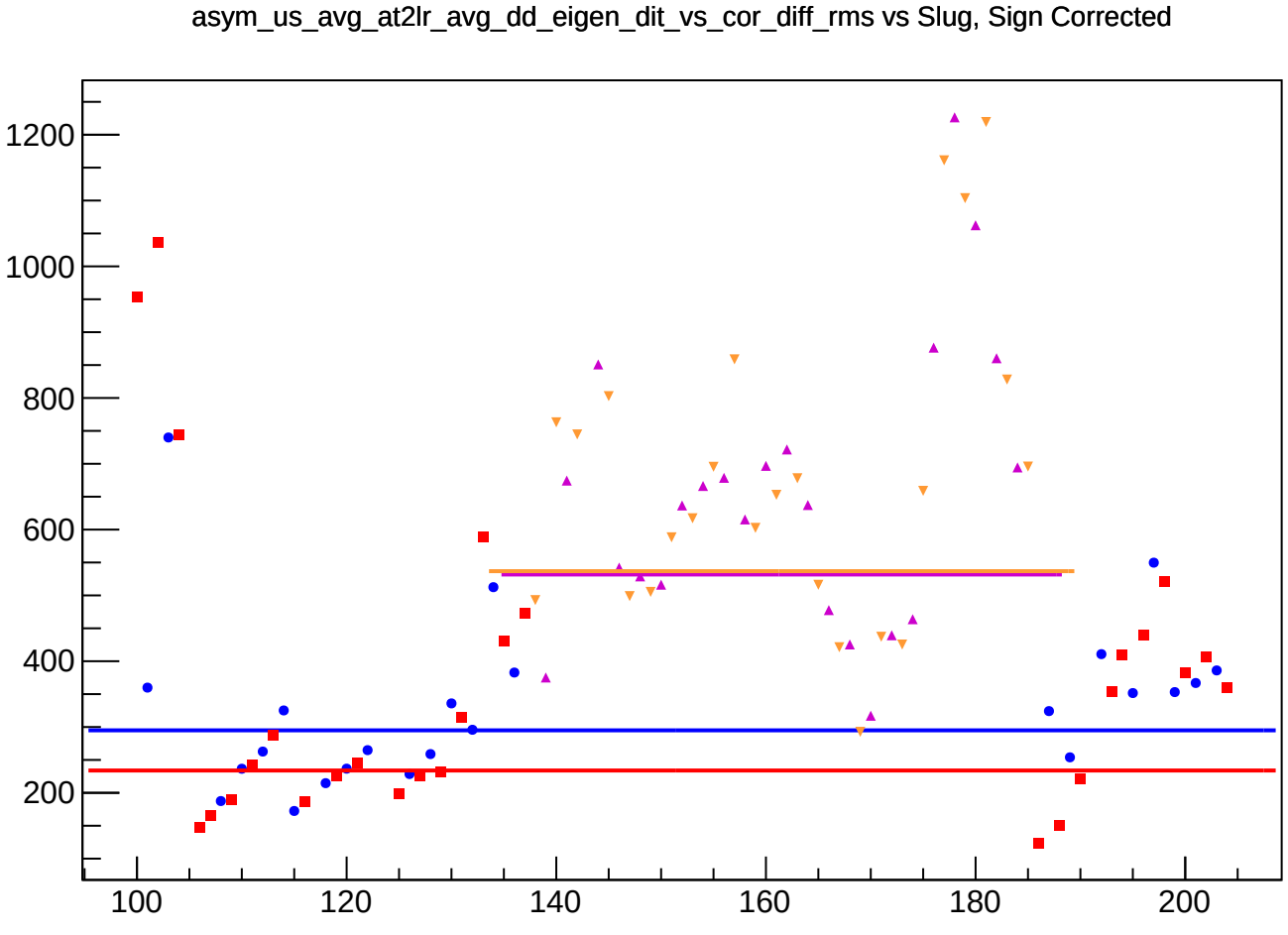
Left: 0.071+/-0.094 χ^2/NDF: 57.1/46

Right: 0.031+/-0.054 χ^2/NDF: 48.8/51

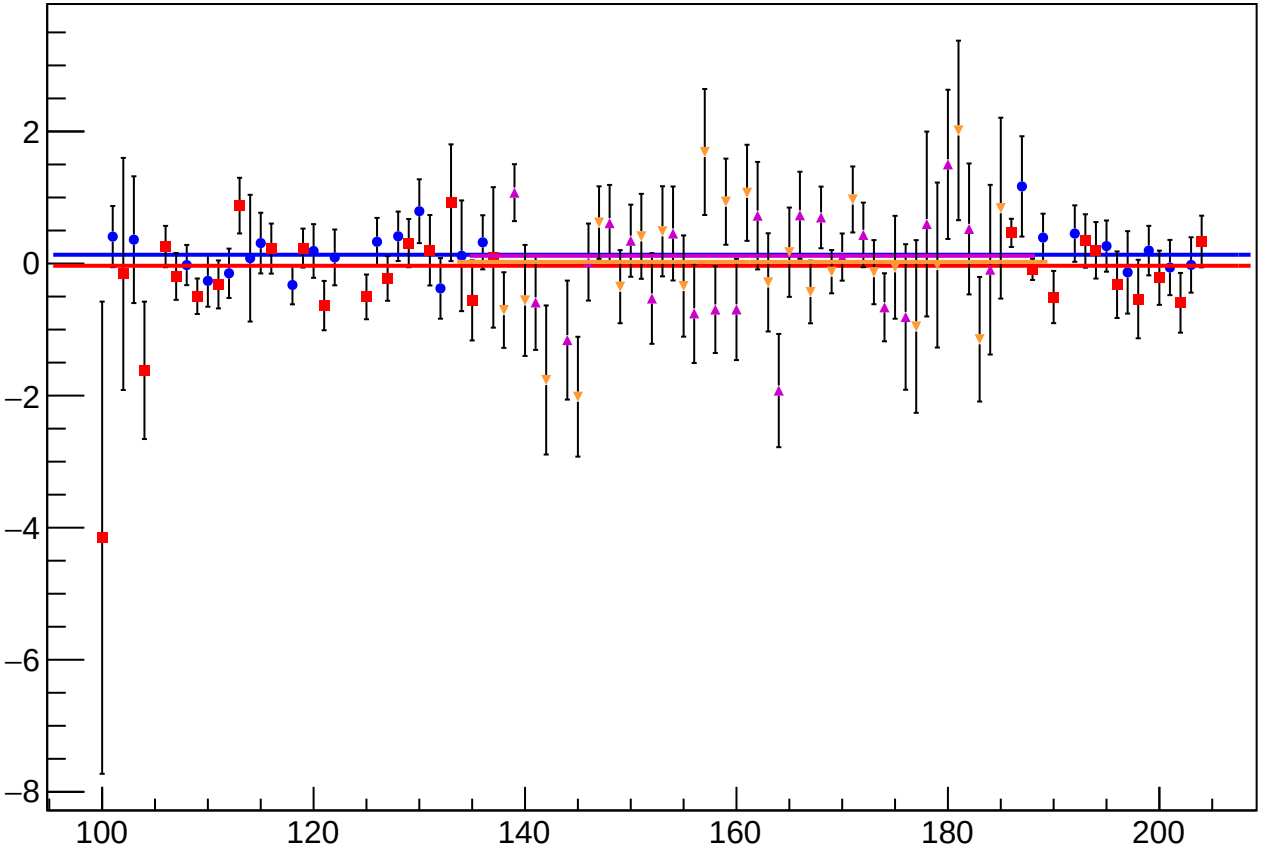
In: 0.128+/-0.073 χ^2/NDF:40.5/46

Out: -0.021+/-0.062 χ^2/NDF:63.1/51

All: 0.041+/-0.047 χ^2/NDF: 106.1/98


asym_us_avg_at2lr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected
1200
1000
800
600
400
200
100
120
140
160
180
200
Right In: 294.972+/-0.061 χ²/NDF: 2203075.4/23
Left Out: 536.822+/-0.095 χ²/NDF:3963422.5/23
Right Out: 233.941+/-0.049 χ²/NDF: 5186458.5/27
Left In: 531.773+/-0.094 χ²/NDF:3381293.8/22
Left: 534.268+/-0.067 χ²/NDF: 7346152.7/46
Right: 257.759+/-0.038 χ²/NDF: 7994381.3/51
In: 365.944+/-0.051 χ²/NDF:10060227.6/46
Out: 297.919+/-0.044 χ²/NDF:17212958.7/51
All: 326.415+/-0.033 χ²/NDF: 28295805.5/98

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.133+/-0.087 χ^2/NDF: 12.6/23

Left Out: 0.025+/-0.134 χ^2/NDF:29.1/23

Right Out: -0.034+/-0.069 χ^2/NDF: 33.9/27

Left In: 0.117+/-0.132 χ^2/NDF:27.8/22

Left: 0.071+/-0.094 χ^2/NDF: 57.1/46

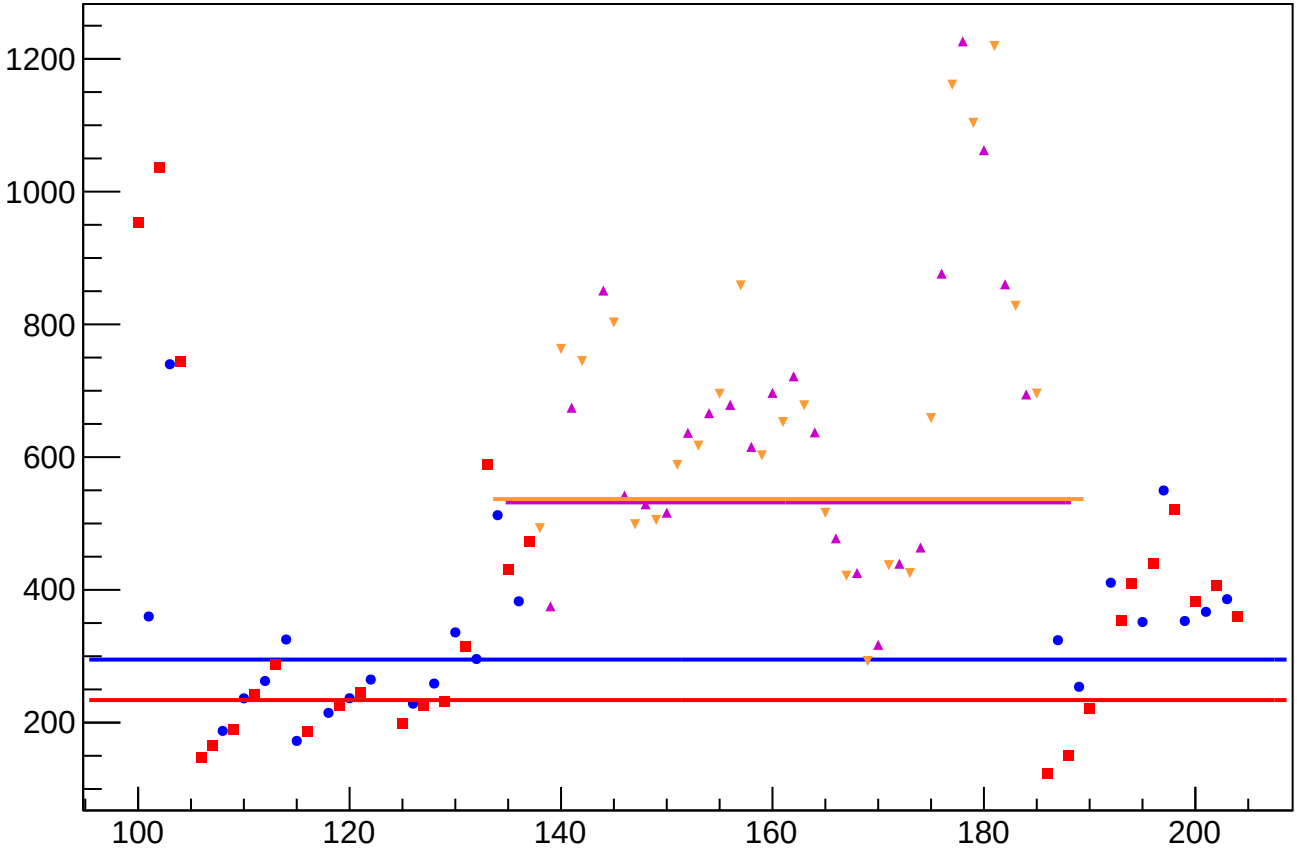
Right: 0.031+/-0.054 χ^2/NDF: 48.8/51

In: 0.128+/-0.073 χ^2/NDF:40.5/46

Out: -0.021+/-0.062 χ^2/NDF:63.1/51

All: 0.041+/-0.047 χ^2/NDF: 106.1/98

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 294.972+/-0.061 χ^2/NDF: 2203075.4/23

Left Out: 536.822+/-0.095 χ^2/NDF:3963422.5/23

Right Out: 233.941+/-0.049 χ^2/NDF: 5186458.5/27

Left In: 531.773+/-0.094 χ^2/NDF:3381293.8/22

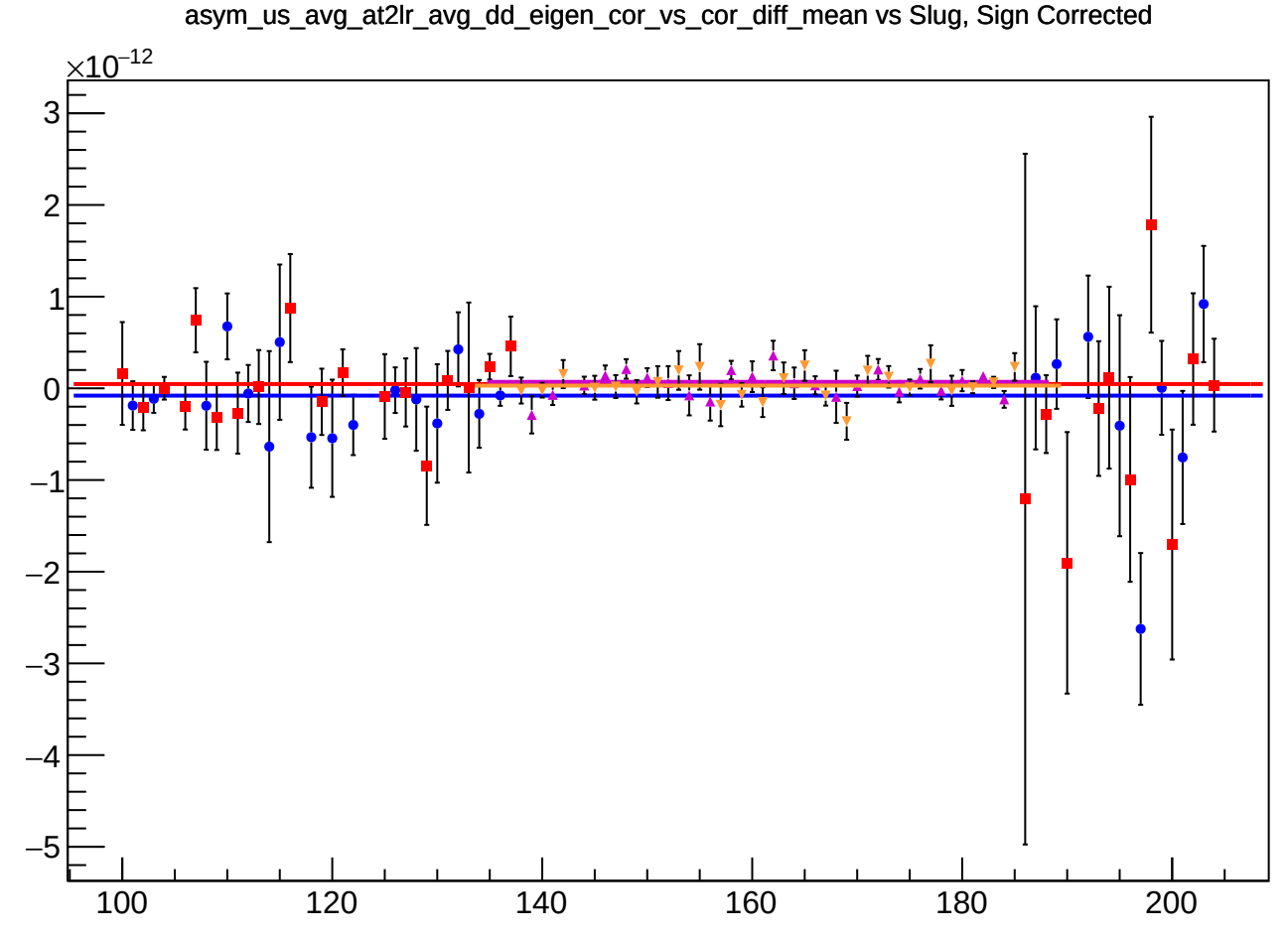
Left: 534.268+/-0.067 χ^2/NDF: 7346152.7/46

Right: 257.759+/-0.038 χ^2/NDF: 7994381.3/51

In: 365.944+/-0.051 χ^2/NDF:10060227.6/46

Out: 297.919+/-0.044 χ^2/NDF:17212958.7/51

All: 326.415+/-0.033 χ^2/NDF: 28295805.5/98



Right In: -0.000+/-0.000 χ^2/NDF: 24.1/23

Left Out: 0.000+/-0.000 χ^2/NDF:17.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 23.6/27

Left In: 0.000+/-0.000 χ^2/NDF:23.4/22

Left: 0.000+/-0.000 χ^2/NDF: 42.6/46

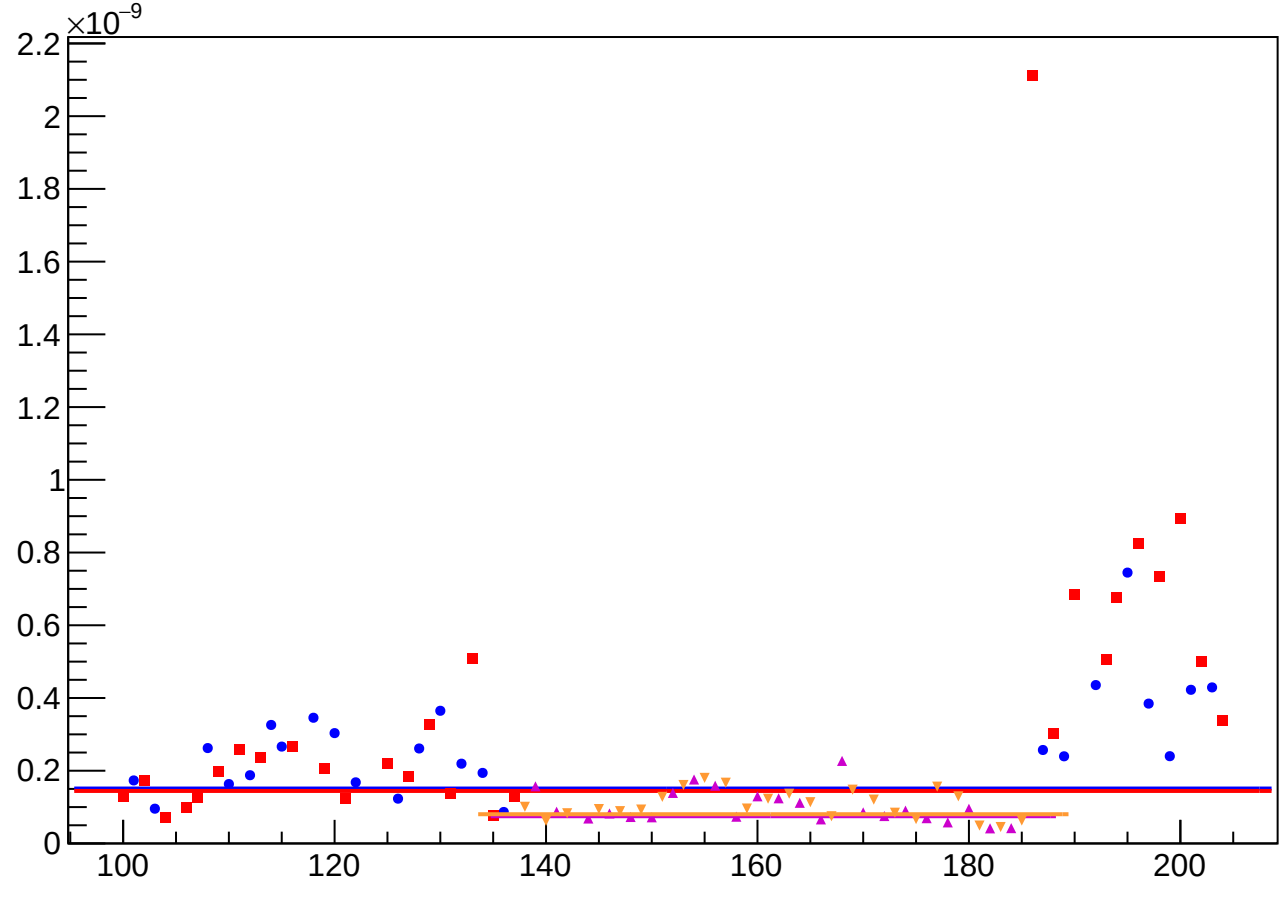
Right: -0.000+/-0.000 χ^2/NDF: 49.7/51

In: 0.000+/-0.000 χ^2/NDF:52.1/46

Out: 0.000+/-0.000 χ^2/NDF:41.4/51

All: 0.000+/-0.000 χ^2/NDF: 94.0/98

asym_us_avg_at2lr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3767056.9/23

Left Out: 0.000+/-0.000 χ^2/NDF:3732870.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 7157492.6/27

Left In: 0.000+/-0.000 χ^2/NDF:3665599.9/22

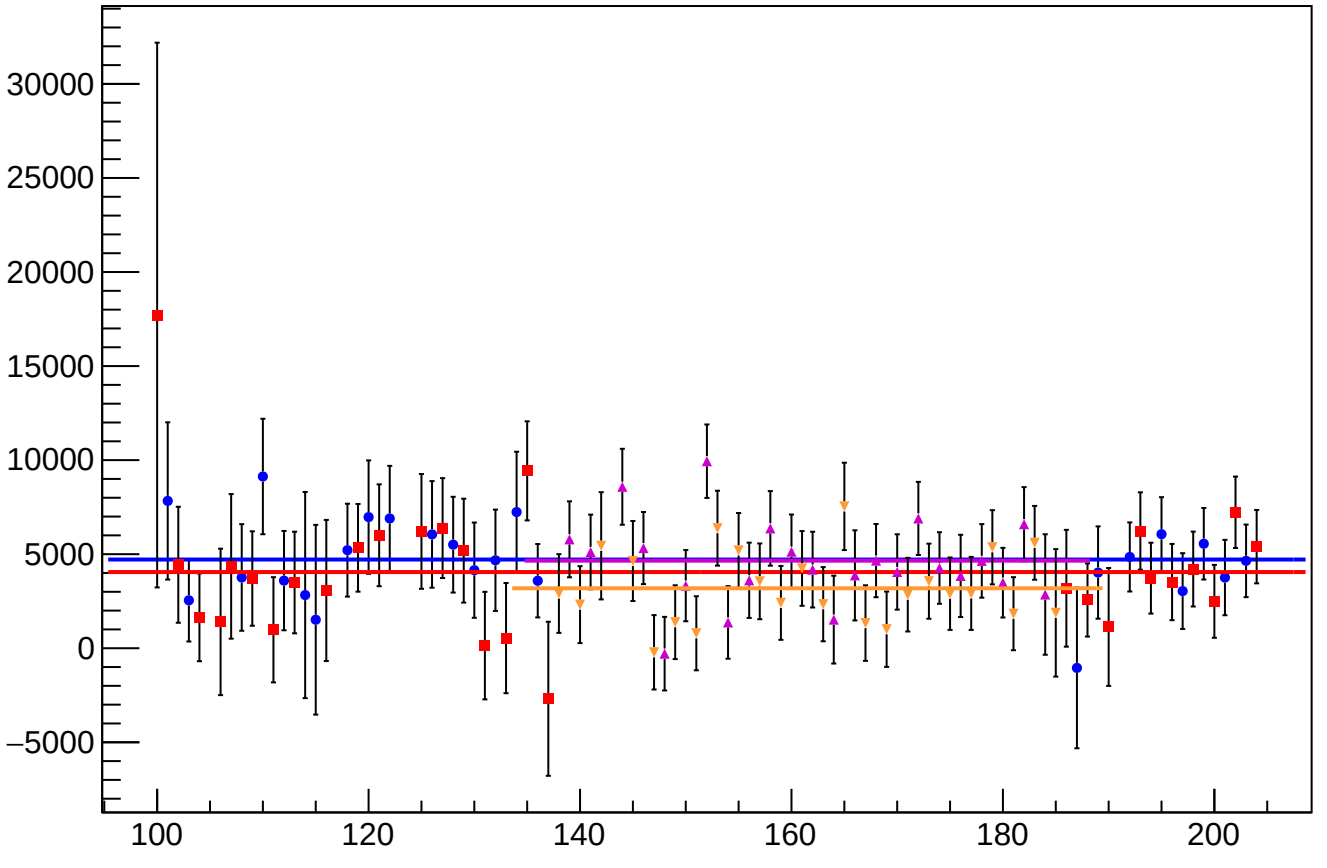
Left: 0.000+/-0.000 χ^2/NDF: 7451186.8/46

Right: 0.000+/-0.000 χ^2/NDF: 10935109.2/51

In: 0.000+/-0.000 χ^2/NDF:9789283.3/46

Out: 0.000+/-0.000 χ^2/NDF:12717656.2/51

All: 0.000+/-0.000 χ^2/NDF: 22571378.4/98



Right In: 4715.427+/-508.752 χ^2/NDF: 10.4/23

Left Out: 3187.125+/-418.619 χ^2/NDF:19.9/23

Right Out: 4049.228+/-479.128 χ^2/NDF: 22.9/27

Left In: 4655.206+/-421.691 χ^2/NDF:27.7/22

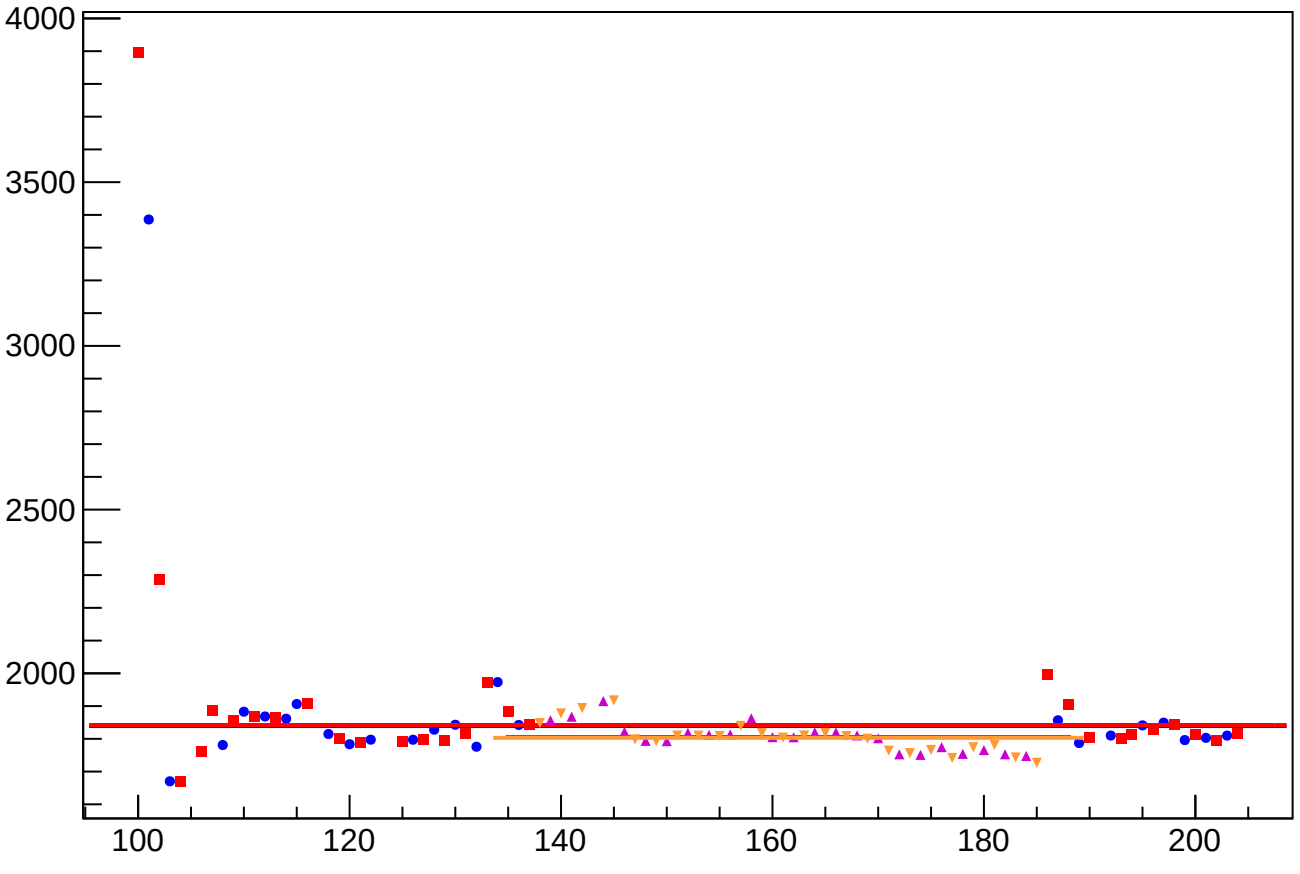
Left: 3915.797+/-297.089 χ^2/NDF: 53.7/46

Right: 4362.369+/-348.798 χ^2/NDF: 34.3/51

In: 4679.731+/-324.663 χ^2/NDF:38.2/46

Out: 3560.332+/-315.244 χ^2/NDF:44.6/51

All: 4103.559+/-226.168 χ^2/NDF: 88.9/98



Right In: 1839.058+/-0.360 χ^2/NDF: 297649.8/23

Left Out: 1803.115+/-0.296 χ^2/NDF:20641.1/23

Right Out: 1842.272+/-0.338 χ^2/NDF: 113326.6/27

Left In: 1805.559+/-0.298 χ^2/NDF:19314.7/22

Left: 1804.328+/-0.210 χ^2/NDF: 39989.6/46

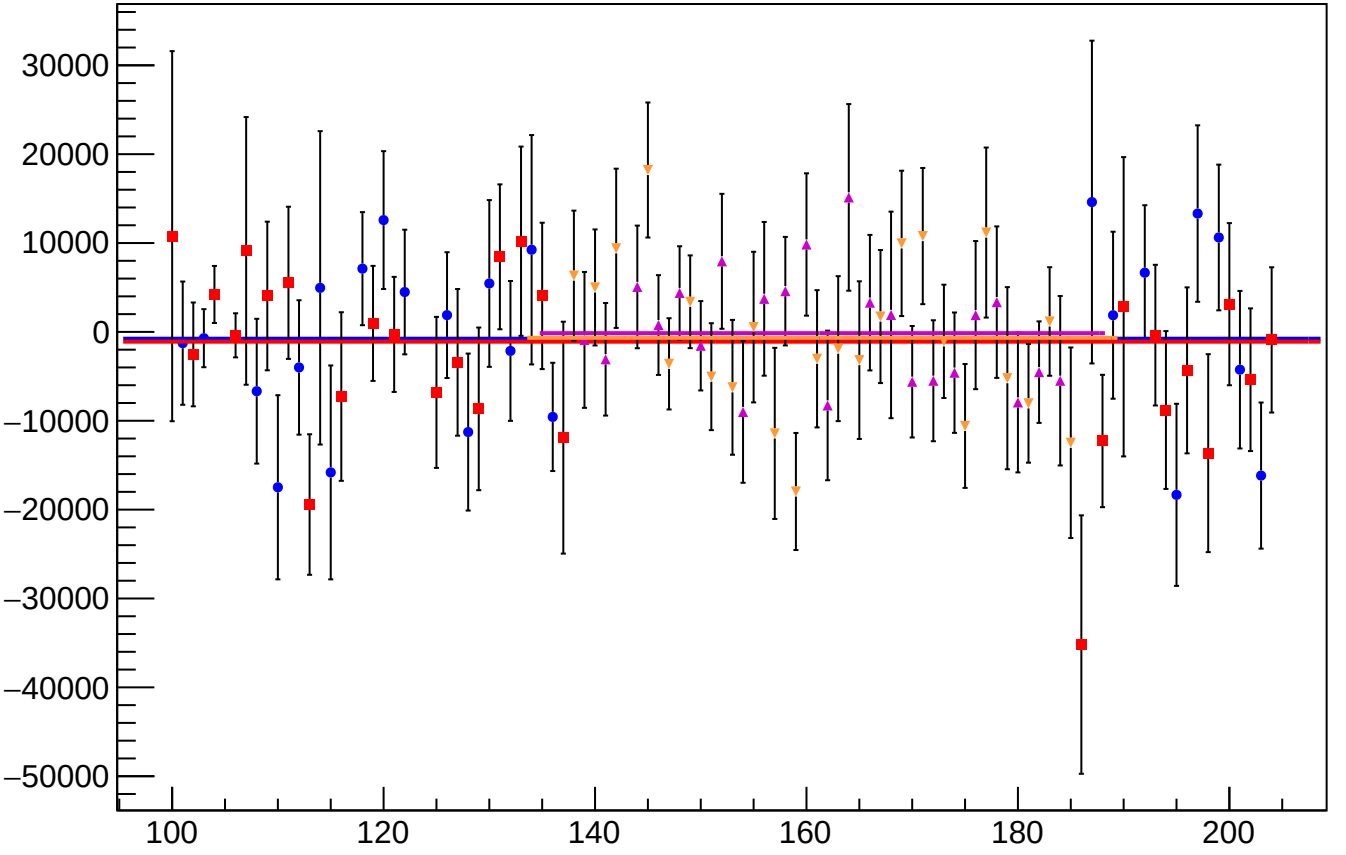
Right: 1840.764+/-0.246 χ^2/NDF: 411018.8/51

In: 1819.201+/-0.230 χ^2/NDF:322104.7/46

Out: 1820.094+/-0.223 χ^2/NDF:141555.7/51

All: 1819.661+/-0.160 χ^2/NDF: 463668.1/98

asym_us_avg_atlr_avg_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -766.869+/-1552.189 χ^2/NDF: 27.1/23

Left Out: -667.243+/-1478.798 χ^2/NDF:29.8/23

Right Out: -1100.203+/-1290.784 χ^2/NDF: 25.8/27

Left In: -143.435+/-1471.371 χ^2/NDF:13.6/22

Left: -404.020+/-1043.032 χ^2/NDF: 43.4/46

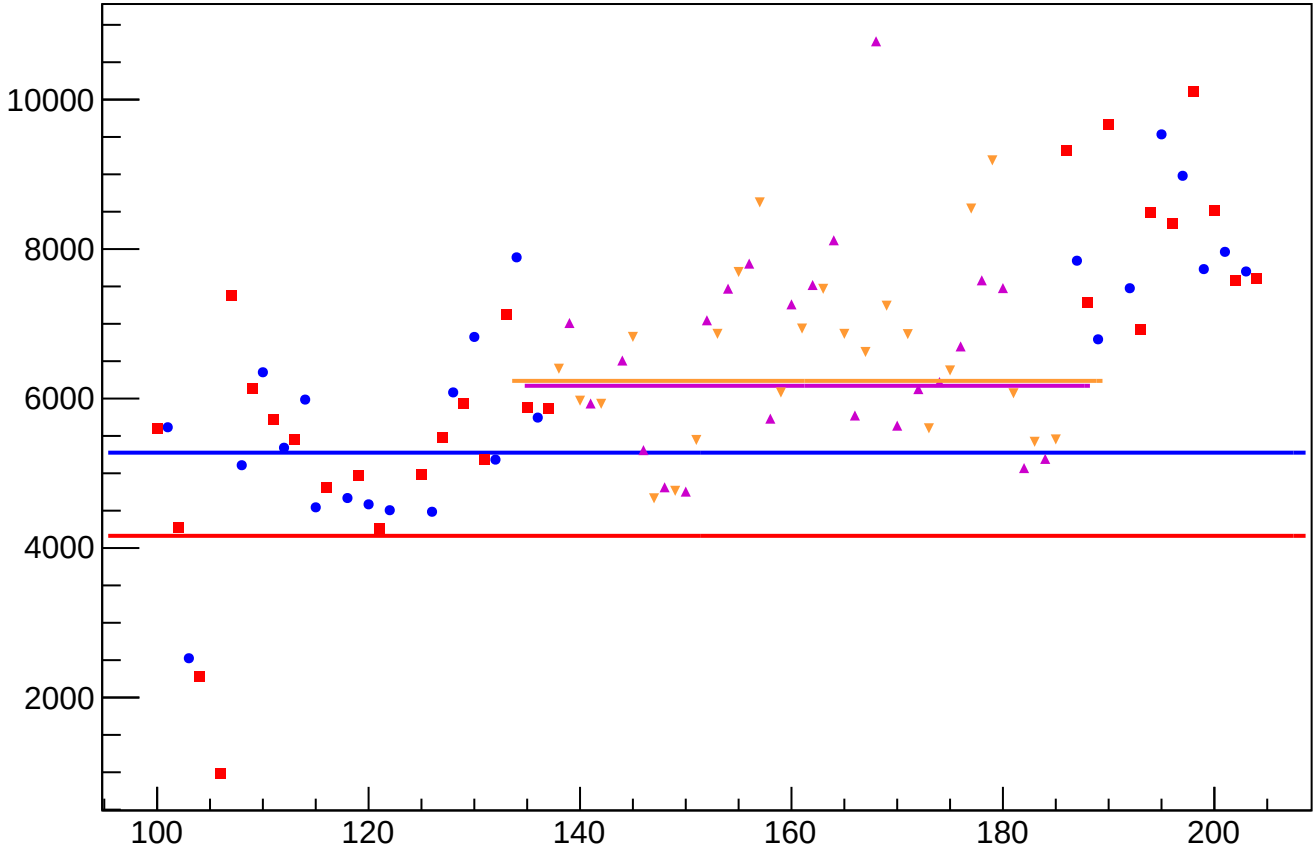
Right: -963.928+/-992.458 χ^2/NDF: 52.9/51

In: -438.500+/-1067.845 χ^2/NDF:40.7/46

Out: -912.980+/-972.444 χ^2/NDF:55.6/51

All: -697.877+/-718.989 χ^2/NDF: 96.4/98

asym_us_avg_atlr_avg_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 5276.114+/-1.098 χ^2/NDF: 3124248.5/23

Left Out: 6236.636+/-1.046 χ^2/NDF:1067659.4/23

Right Out: 4163.296+/-0.913 χ^2/NDF: 8477564.3/27

Left In: 6170.791+/-1.040 χ^2/NDF:1237554.5/22

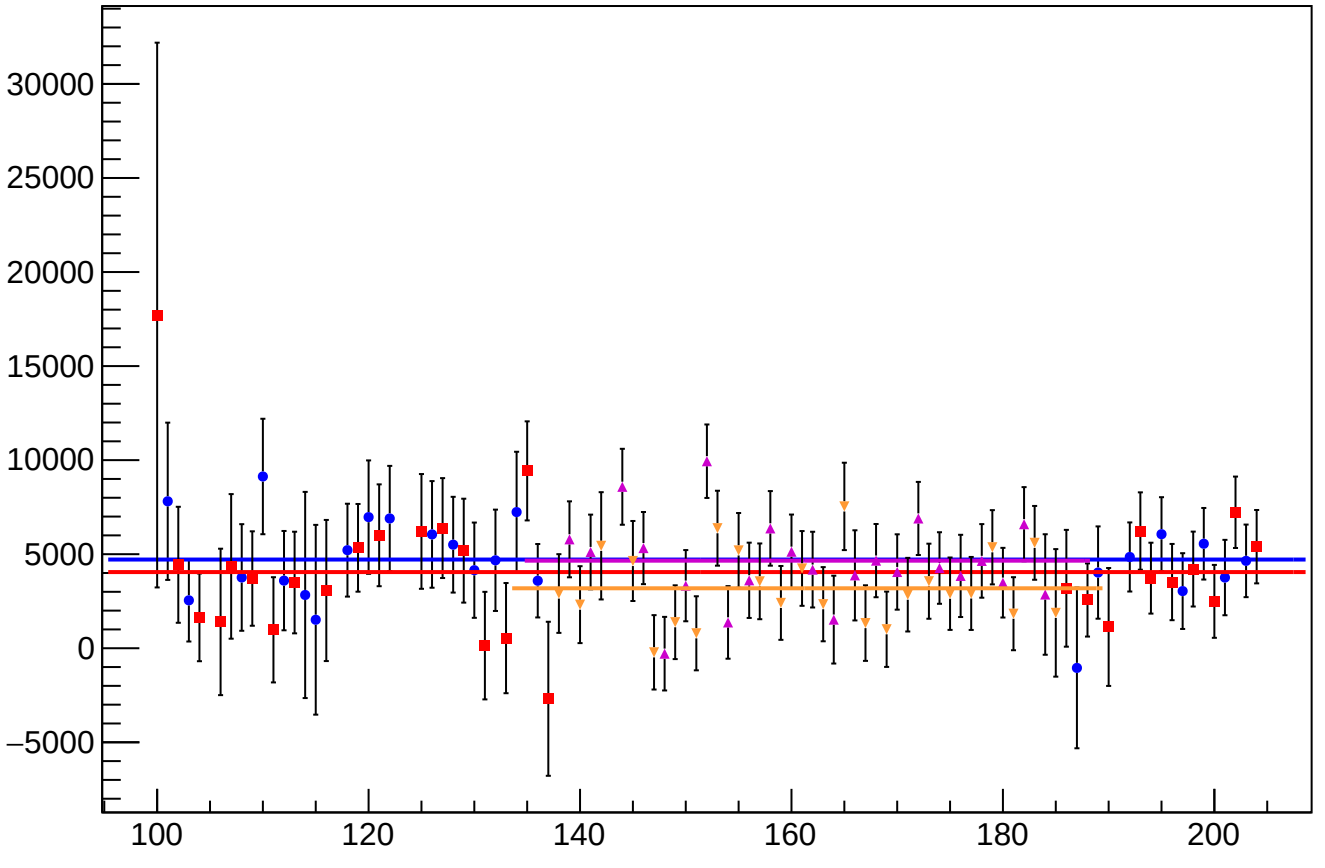
Left: 6203.548+/-0.738 χ^2/NDF: 2307206.4/46

Right: 4618.241+/-0.702 χ^2/NDF: 12209536.7/51

In: 5747.350+/-0.755 χ^2/NDF:4711784.9/46

Out: 5059.862+/-0.688 χ^2/NDF:11776615.2/51

All: 5371.530+/-0.508 χ^2/NDF: 16941566.8/9



Right In: 4715.251+/-508.752 χ^2/NDF: 10.4/23

Left Out: 3187.056+/-418.619 χ^2/NDF:19.9/23

Right Out: 4049.085+/-479.128 χ^2/NDF: 22.9/27

Left In: 4655.225+/-421.691 χ^2/NDF:27.7/22

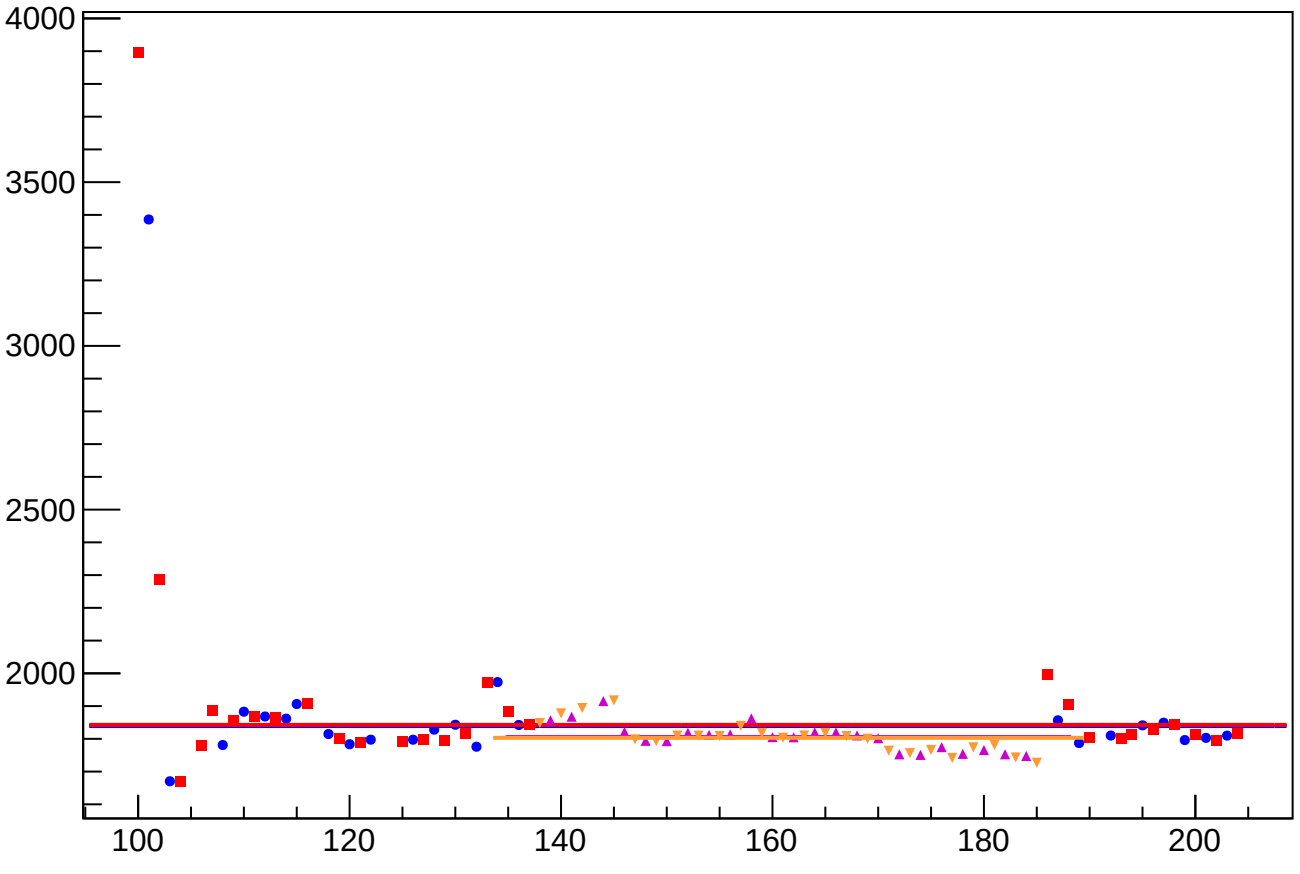
Left: 3915.772+/-297.089 χ^2/NDF: 53.7/46

Right: 4362.210+/-348.798 χ^2/NDF: 34.3/51

In: 4679.670+/-324.663 χ^2/NDF:38.2/46

Out: 3560.231+/-315.244 χ^2/NDF:44.6/51

All: 4103.477+/-226.168 χ^2/NDF: 88.9/98



Right In: 1839.058+/-0.360 χ^2/NDF: 297651.7/23

Left Out: 1803.115+/-0.296 χ^2/NDF:20641.1/23

Right Out: 1842.605+/-0.338 χ^2/NDF: 112922.8/27

Left In: 1805.559+/-0.298 χ^2/NDF:19314.6/22

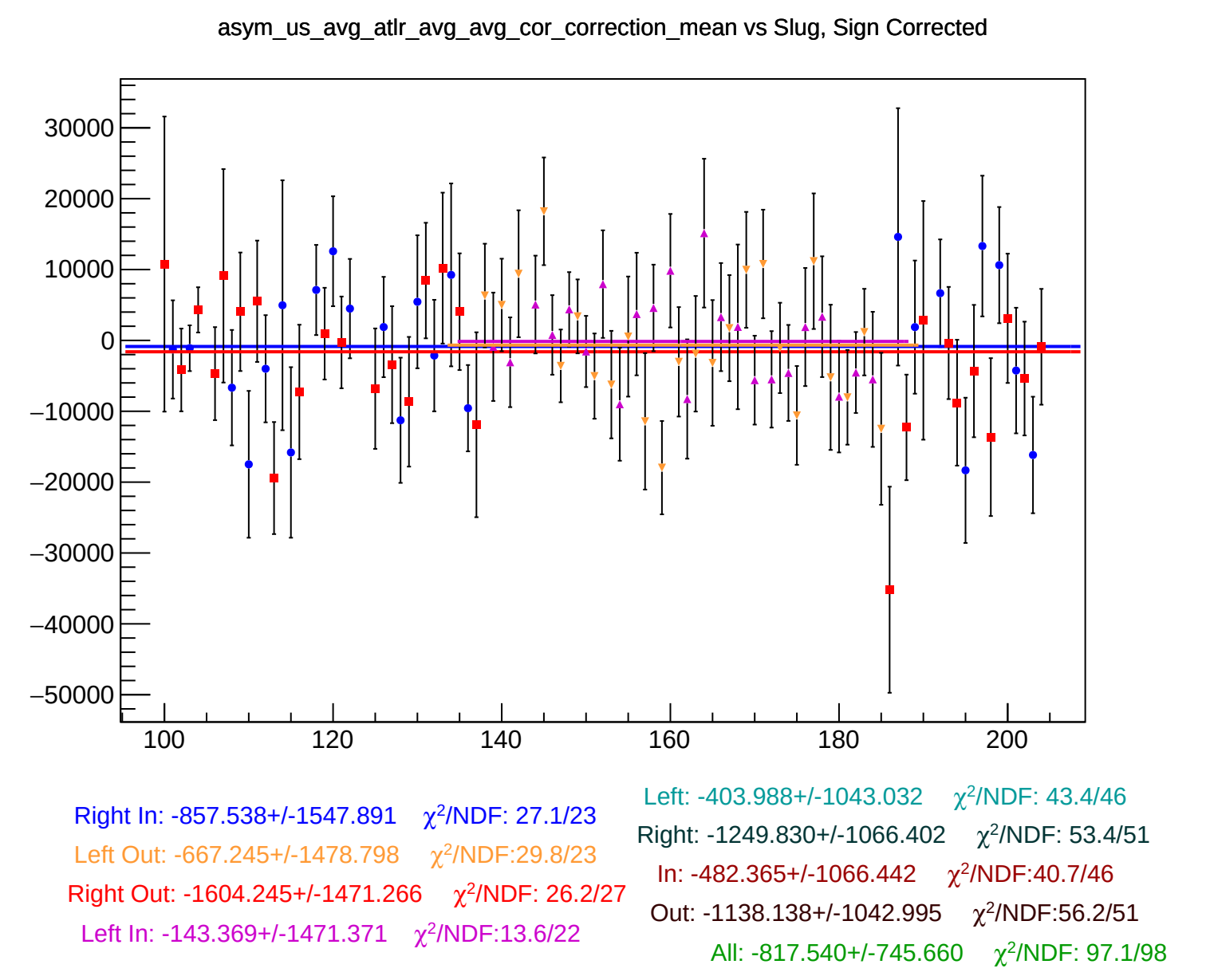
Left: 1804.328+/-0.210 χ^2/NDF: 39989.6/46

Right: 1840.940+/-0.246 χ^2/NDF: 410626.1/51

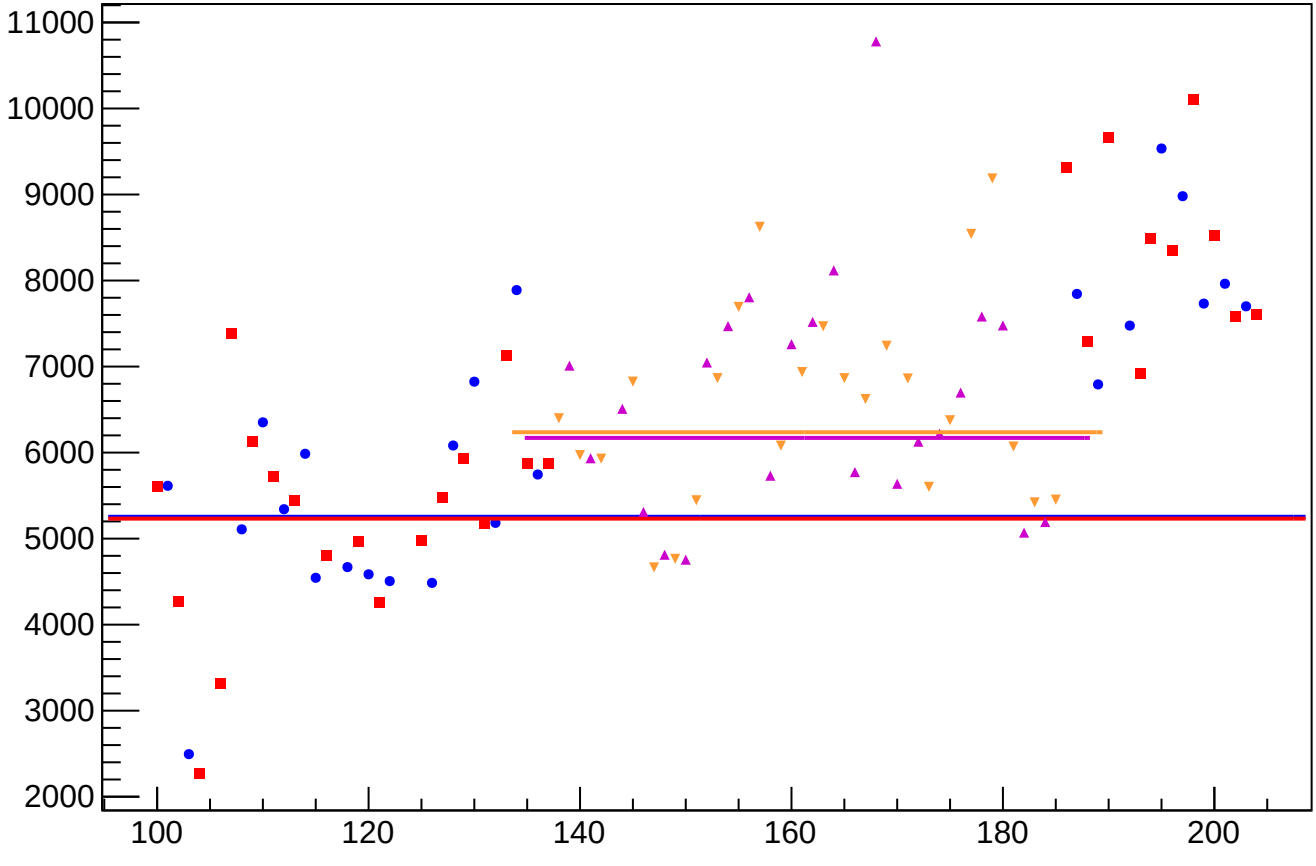
In: 1819.201+/-0.230 χ^2/NDF:322106.5/46

Out: 1820.235+/-0.223 χ^2/NDF:141280.0/51

All: 1819.734+/-0.160 χ^2/NDF: 463396.9/98


asym_us_avg_atlr_avg_avg_cor_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
−40000
−50000
100
120
140
160
180
200
Right In: -857.538+/-1547.891 χ²/NDF: 27.1/23
Left Out: -667.245+/-1478.798 χ²/NDF:29.8/23
Right Out: -1604.245+/-1471.266 χ²/NDF: 26.2/27
Left In: -143.369+/-1471.371 χ²/NDF:13.6/22
Left: -403.988+/-1043.032 χ²/NDF: 43.4/46
Right: -1249.830+/-1066.402 χ²/NDF: 53.4/51
In: -482.365+/-1066.442 χ²/NDF:40.7/46
Out: -1138.138+/-1042.995 χ²/NDF:56.2/51
All: -817.540+/-745.660 χ²/NDF: 97.1/98

asym_us_avg_atlr_avg_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 5253.804+/-1.095 χ^2/NDF: 3191317.4/23

Left Out: 6236.635+/-1.046 χ^2/NDF:1067665.4/23

Right Out: 5232.767+/-1.040 χ^2/NDF: 4180278.0/27

Left In: 6170.789+/-1.040 χ^2/NDF:1237564.5/22

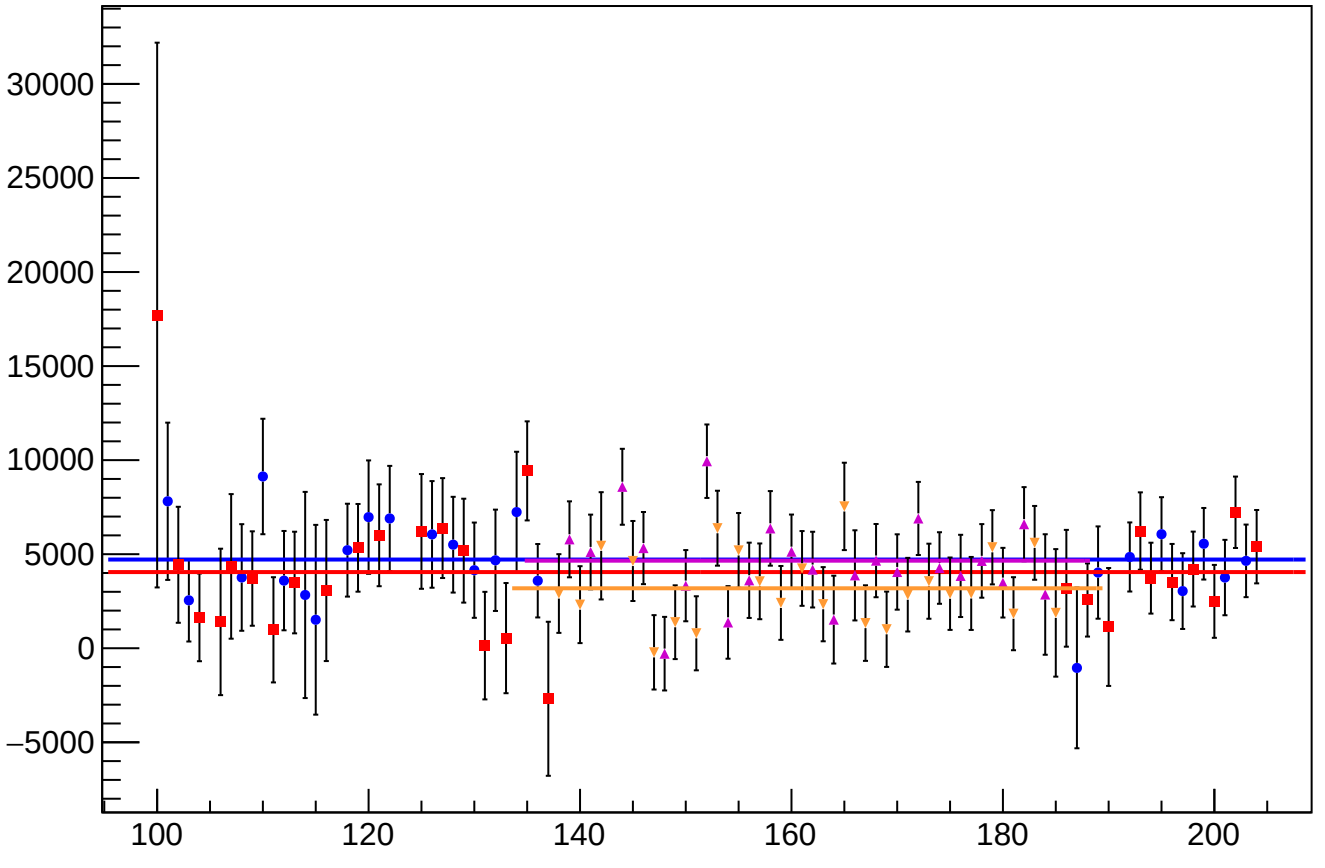
Left: 6203.546+/-0.738 χ^2/NDF: 2307222.5/46

Right: 5242.752+/-0.754 χ^2/NDF: 7371789.4/51

In: 5735.522+/-0.754 χ^2/NDF:4797607.7/46

Out: 5732.138+/-0.738 χ^2/NDF:5711120.6/51

All: 5733.792+/-0.527 χ^2/NDF: 10508738.5/9



Right In: 4715.251+/-508.752 χ^2/NDF: 10.4/23

Left Out: 3187.056+/-418.619 χ^2/NDF:19.9/23

Right Out: 4049.085+/-479.128 χ^2/NDF: 22.9/27

Left In: 4655.225+/-421.691 χ^2/NDF:27.7/22

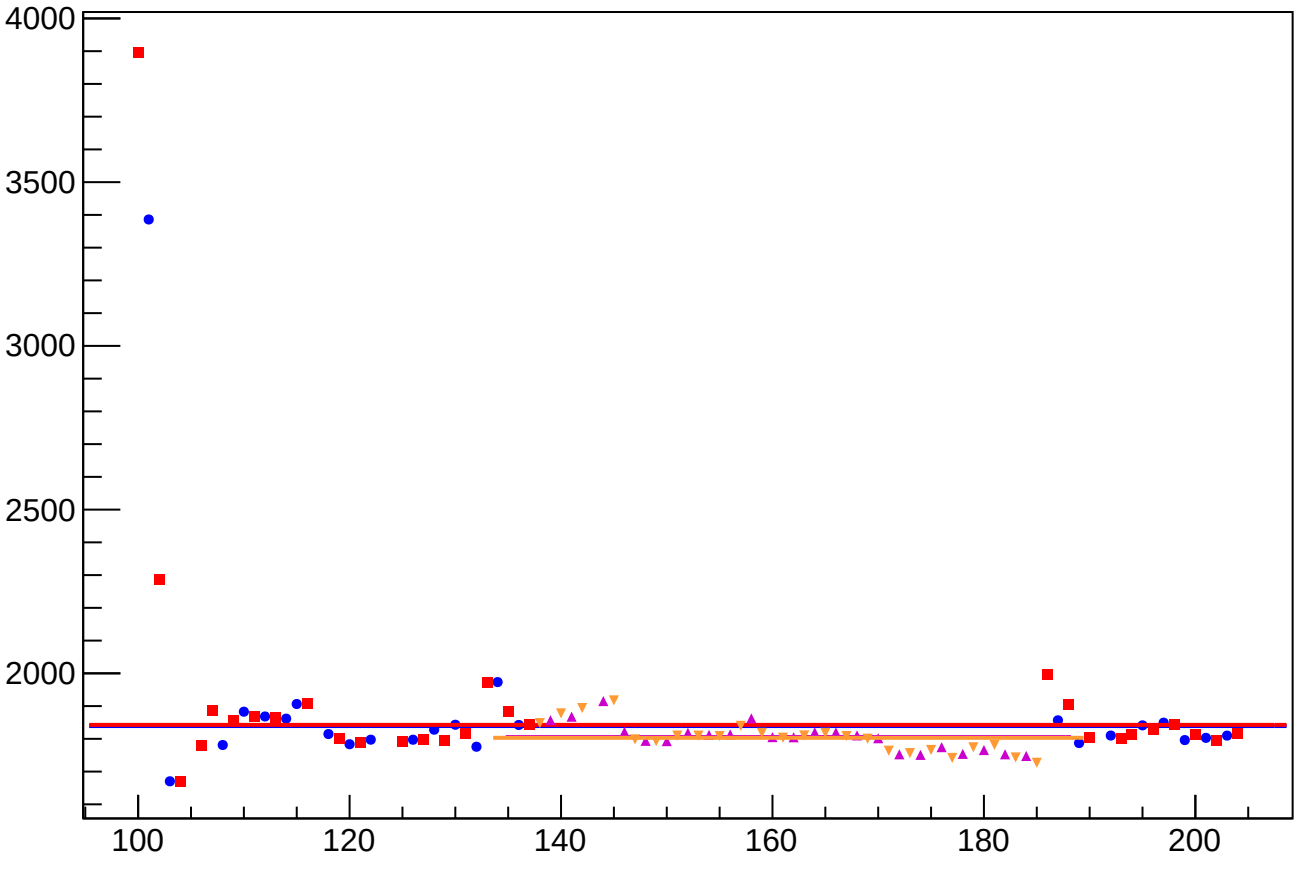
Left: 3915.772+/-297.089 χ^2/NDF: 53.7/46

Right: 4362.210+/-348.798 χ^2/NDF: 34.3/51

In: 4679.670+/-324.663 χ^2/NDF:38.2/46

Out: 3560.231+/-315.244 χ^2/NDF:44.6/51

All: 4103.477+/-226.168 χ^2/NDF: 88.9/98



Right In: 1839.058+/-0.360 χ^2/NDF: 297651.7/23

Left Out: 1803.115+/-0.296 χ^2/NDF:20641.1/23

Right Out: 1842.605+/-0.338 χ^2/NDF: 112922.8/27

Left In: 1805.559+/-0.298 χ^2/NDF:19314.6/22

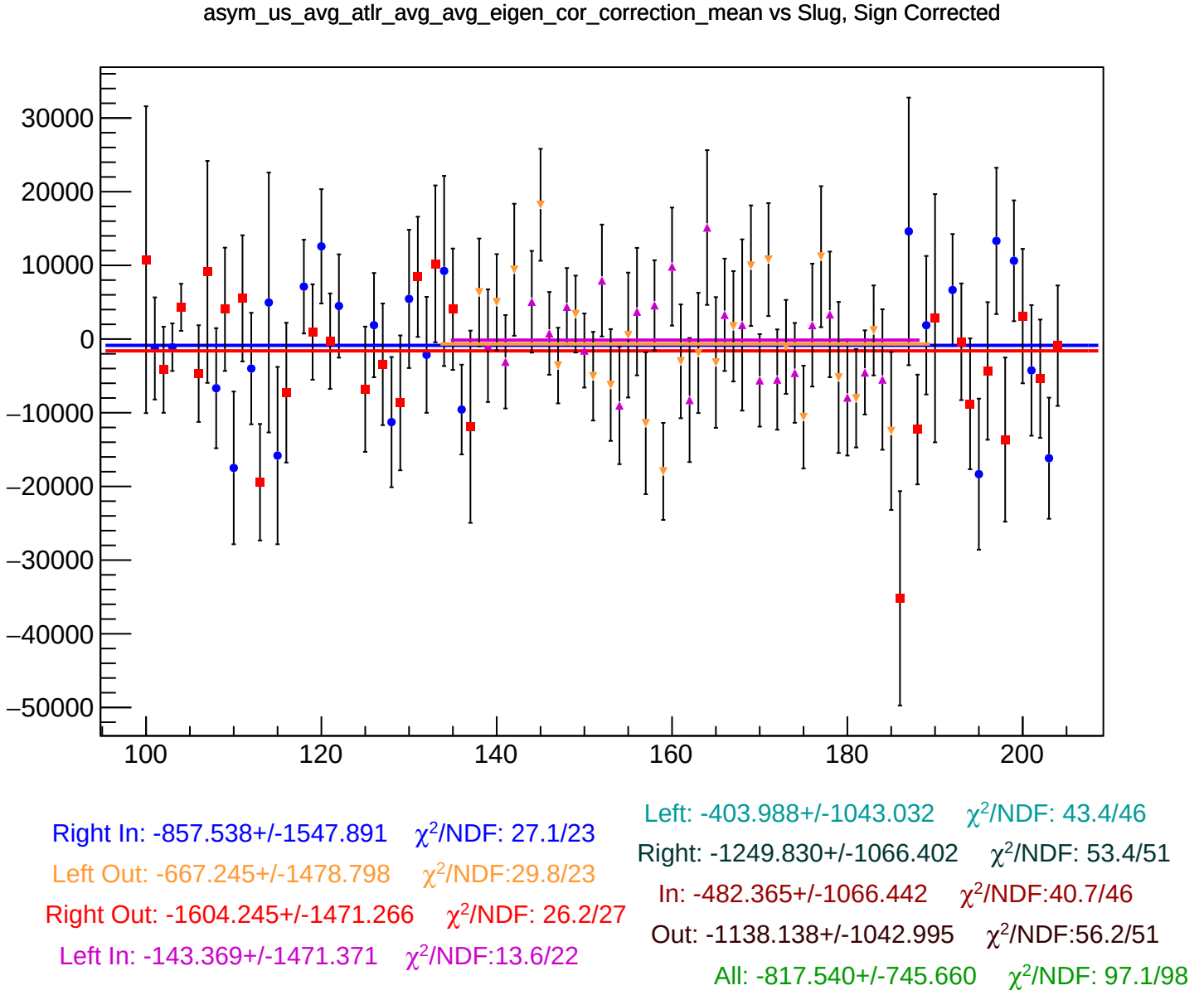
Left: 1804.328+/-0.210 χ^2/NDF: 39989.6/46

Right: 1840.940+/-0.246 χ^2/NDF: 410626.1/51

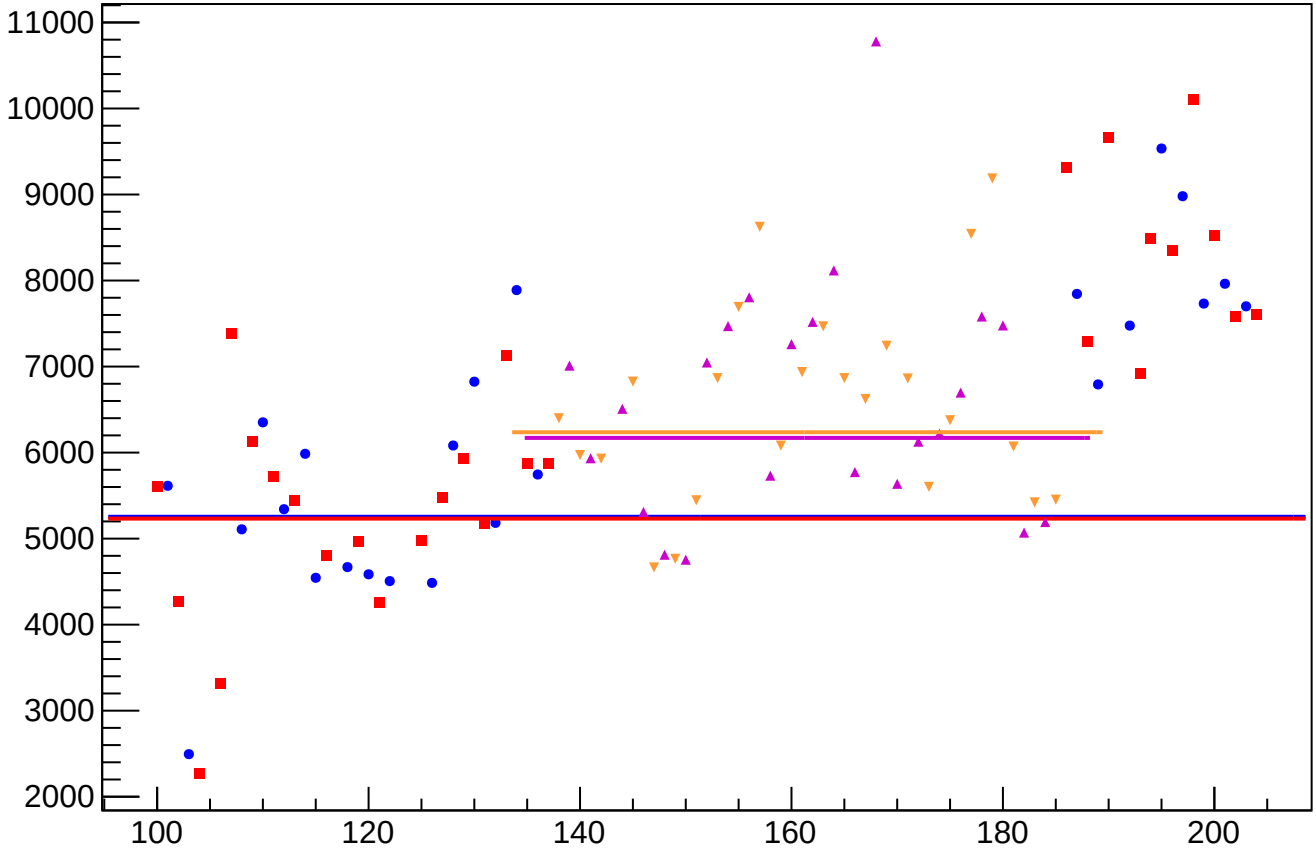
In: 1819.201+/-0.230 χ^2/NDF:322106.5/46

Out: 1820.235+/-0.223 χ^2/NDF:141280.0/51

All: 1819.734+/-0.160 χ^2/NDF: 463396.9/98


asym_us_avg_atlr_avg_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
−40000
−50000
100
120
140
160
180
200
Right In: -857.538+/-1547.891 χ²/NDF: 27.1/23
Left Out: -667.245+/-1478.798 χ²/NDF:29.8/23
Right Out: -1604.245+/-1471.266 χ²/NDF: 26.2/27
Left In: -143.369+/-1471.371 χ²/NDF:13.6/22
Left: -403.988+/-1043.032 χ²/NDF: 43.4/46
Right: -1249.830+/-1066.402 χ²/NDF: 53.4/51
In: -482.365+/-1066.442 χ²/NDF:40.7/46
Out: -1138.138+/-1042.995 χ²/NDF:56.2/51
All: -817.540+/-745.660 χ²/NDF: 97.1/98

asym_us_avg_atlr_avg_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 5253.804+/-1.095 χ^2/NDF: 3191317.4/23

Left Out: 6236.635+/-1.046 χ^2/NDF:1067665.4/23

Right Out: 5232.767+/-1.040 χ^2/NDF: 4180278.0/27

Left In: 6170.789+/-1.040 χ^2/NDF:1237564.5/22

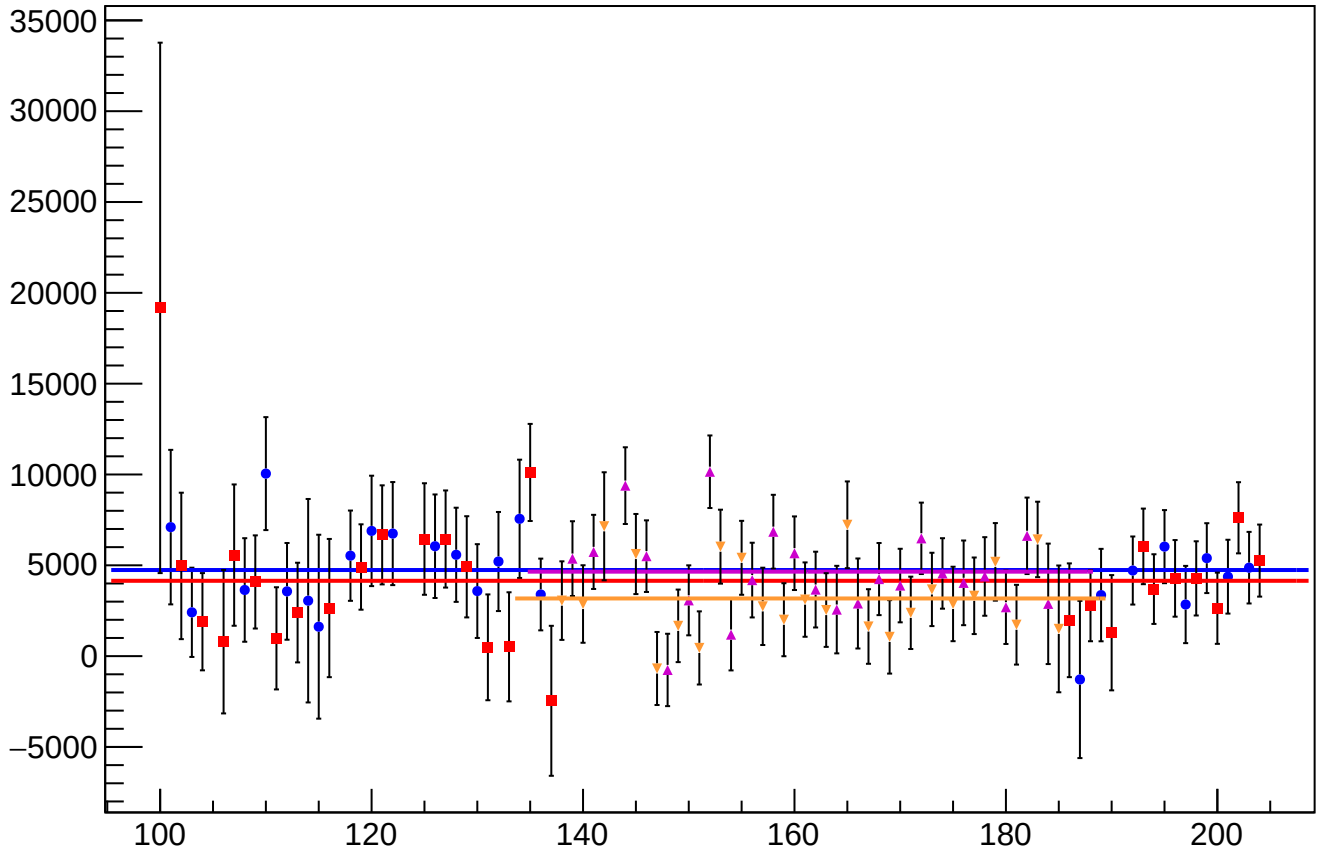
Left: 6203.546+/-0.738 χ^2/NDF: 2307222.5/46

Right: 5242.752+/-0.754 χ^2/NDF: 7371789.4/51

In: 5735.522+/-0.754 χ^2/NDF:4797607.7/46

Out: 5732.138+/-0.738 χ^2/NDF:5711120.6/51

All: 5733.792+/-0.527 χ^2/NDF: 10508738.5/9



Right In: 4740.549+/-520.431 χ^2/NDF: 11.4/23

Left Out: 3174.550+/-434.815 χ^2/NDF:21.6/23

Right Out: 4147.267+/-491.522 χ^2/NDF: 24.1/27

Left In: 4650.461+/-436.198 χ^2/NDF:30.5/22

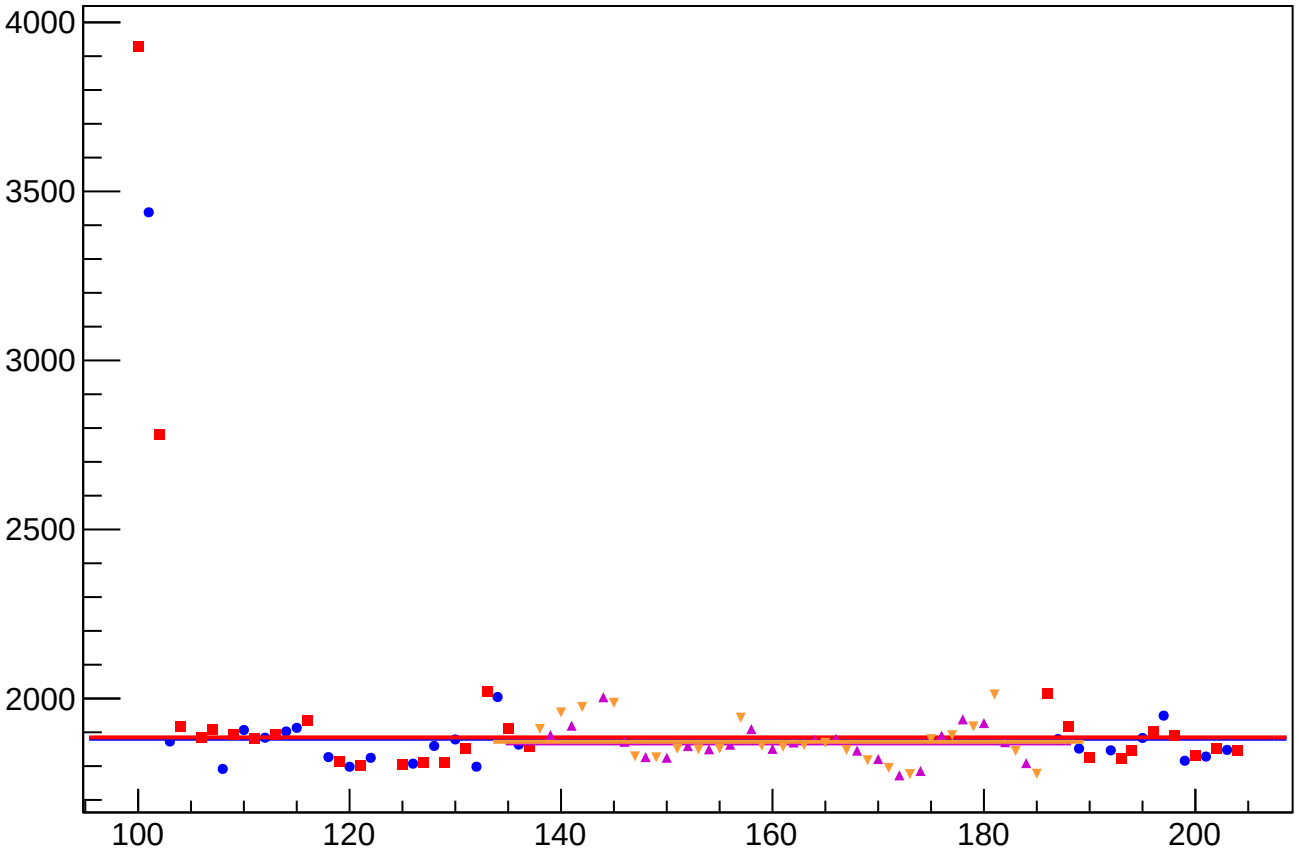
Left: 3910.162+/-307.948 χ^2/NDF: 57.8/46

Right: 4426.973+/-357.342 χ^2/NDF: 36.2/51

In: 4687.634+/-334.304 χ^2/NDF:42.0/46

Out: 3601.585+/-325.673 χ^2/NDF:47.9/51

All: 4130.409+/-233.277 χ^2/NDF: 95.3/98



Right In: 1880.994+/-0.368 χ^2/NDF: 287082.1/23

Left Out: 1871.979+/-0.307 χ^2/NDF:37154.8/23

Right Out: 1884.957+/-0.347 χ^2/NDF: 161709.7/27

Left In: 1867.079+/-0.308 χ^2/NDF:27246.7/22

Left: 1869.537+/-0.218 χ^2/NDF: 64528.1/46

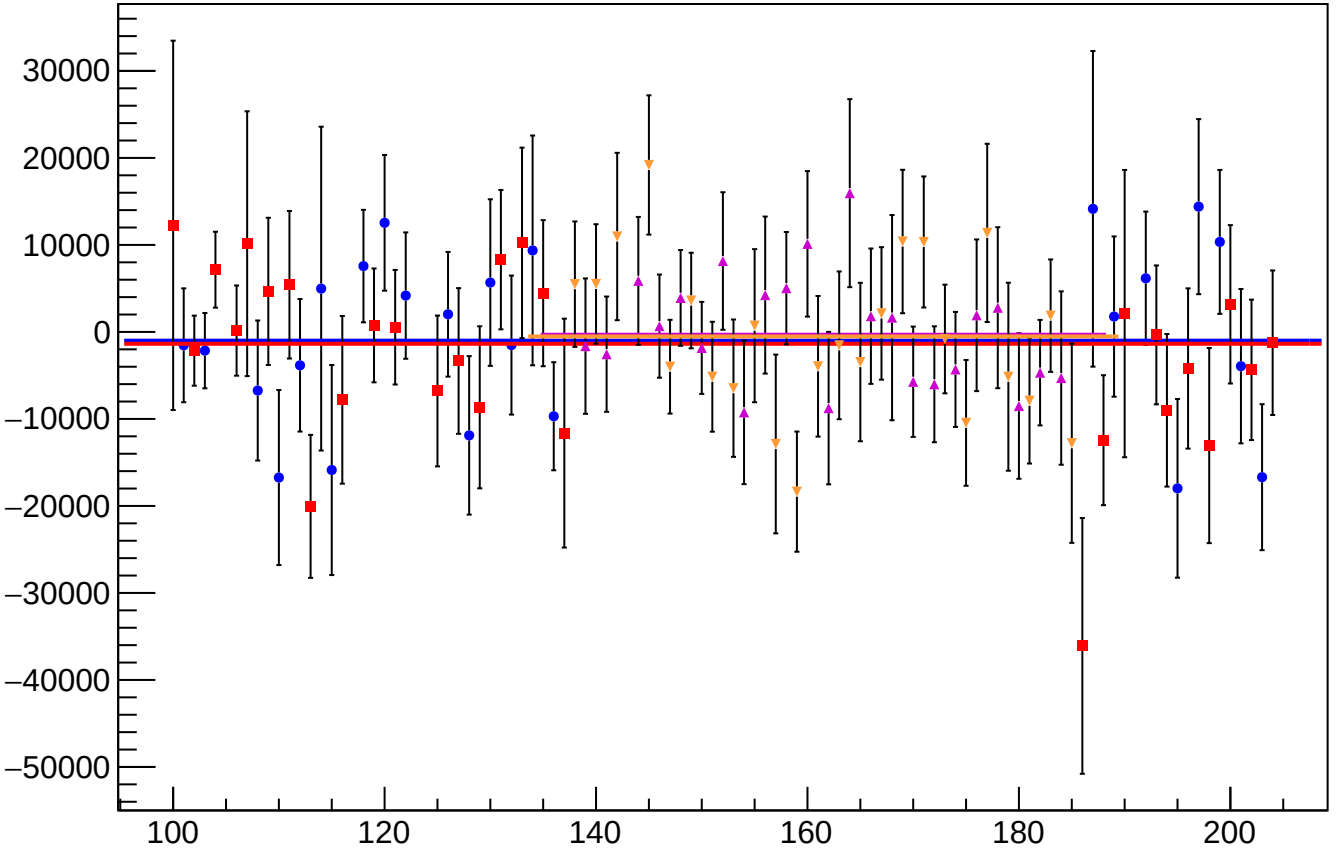
Right: 1883.090+/-0.253 χ^2/NDF: 448853.2/51

In: 1872.820+/-0.236 χ^2/NDF:315168.5/46

Out: 1877.680+/-0.230 χ^2/NDF:199647.2/51

All: 1875.314+/-0.165 χ^2/NDF: 515032.6/98

asym_us_avg_atlr_avg_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -1005.090+/-1641.956 χ^2/NDF: 27.0/23

Left Out: -520.262+/-1536.784 χ^2/NDF:29.2/23

Right Out: -1361.135+/-1478.390 χ^2/NDF: 26.8/27

Left In: -324.625+/-1527.995 χ^2/NDF:13.4/22

Left: -421.882+/-1083.550 χ^2/NDF: 42.6/46

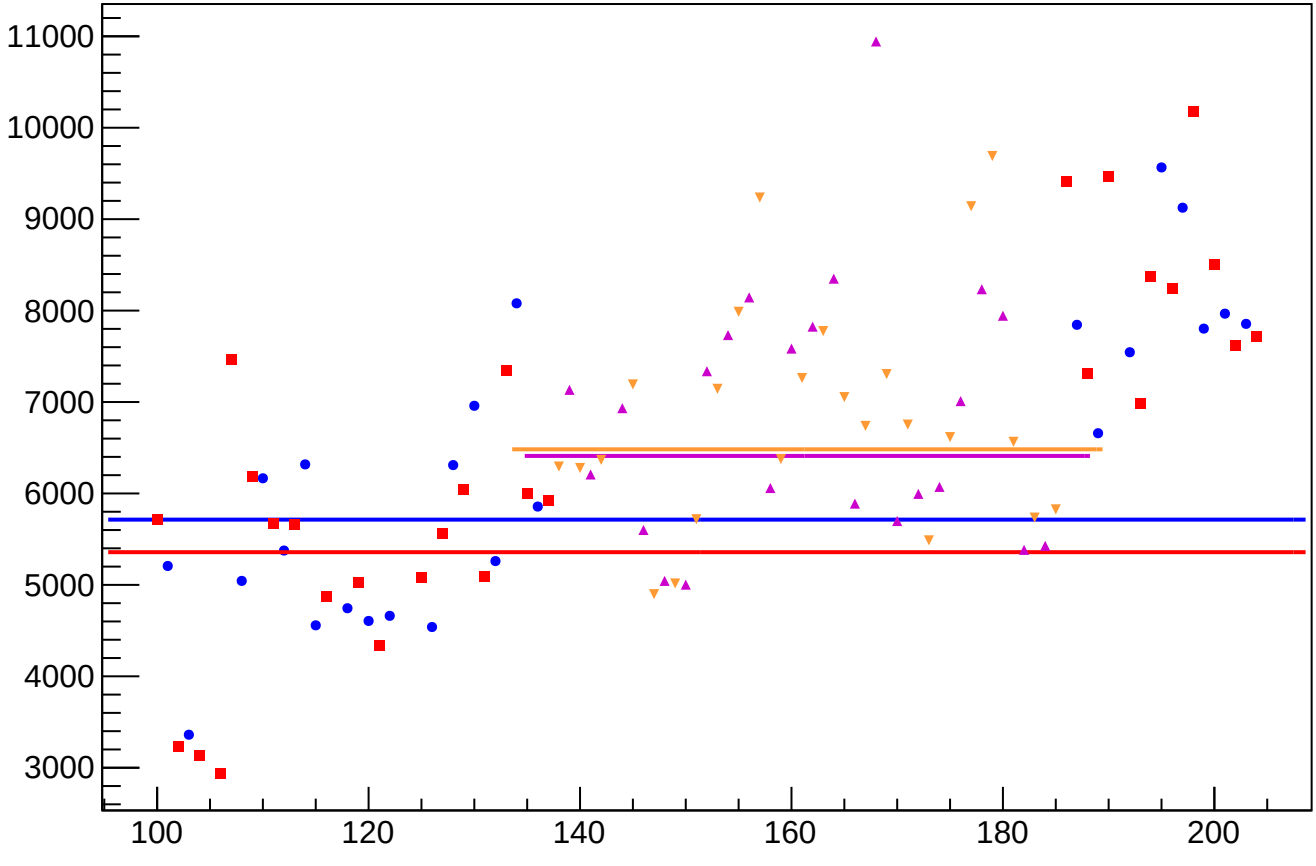
Right: -1201.725+/-1098.669 χ^2/NDF: 53.8/51

In: -640.426+/-1118.576 χ^2/NDF:40.5/46

Out: -956.977+/-1065.425 χ^2/NDF:56.1/51

All: -806.401+/-771.475 χ^2/NDF: 96.6/98

asym_us_avg_atlr_avg_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 5713.772+/-1.161 χ^2/NDF: 2000985.9/23

Left Out: 6482.730+/-1.087 χ^2/NDF:1074584.9/23

Right Out: 5357.794+/-1.045 χ^2/NDF: 3589918.1/27

Left In: 6410.419+/-1.080 χ^2/NDF:1219830.0/22

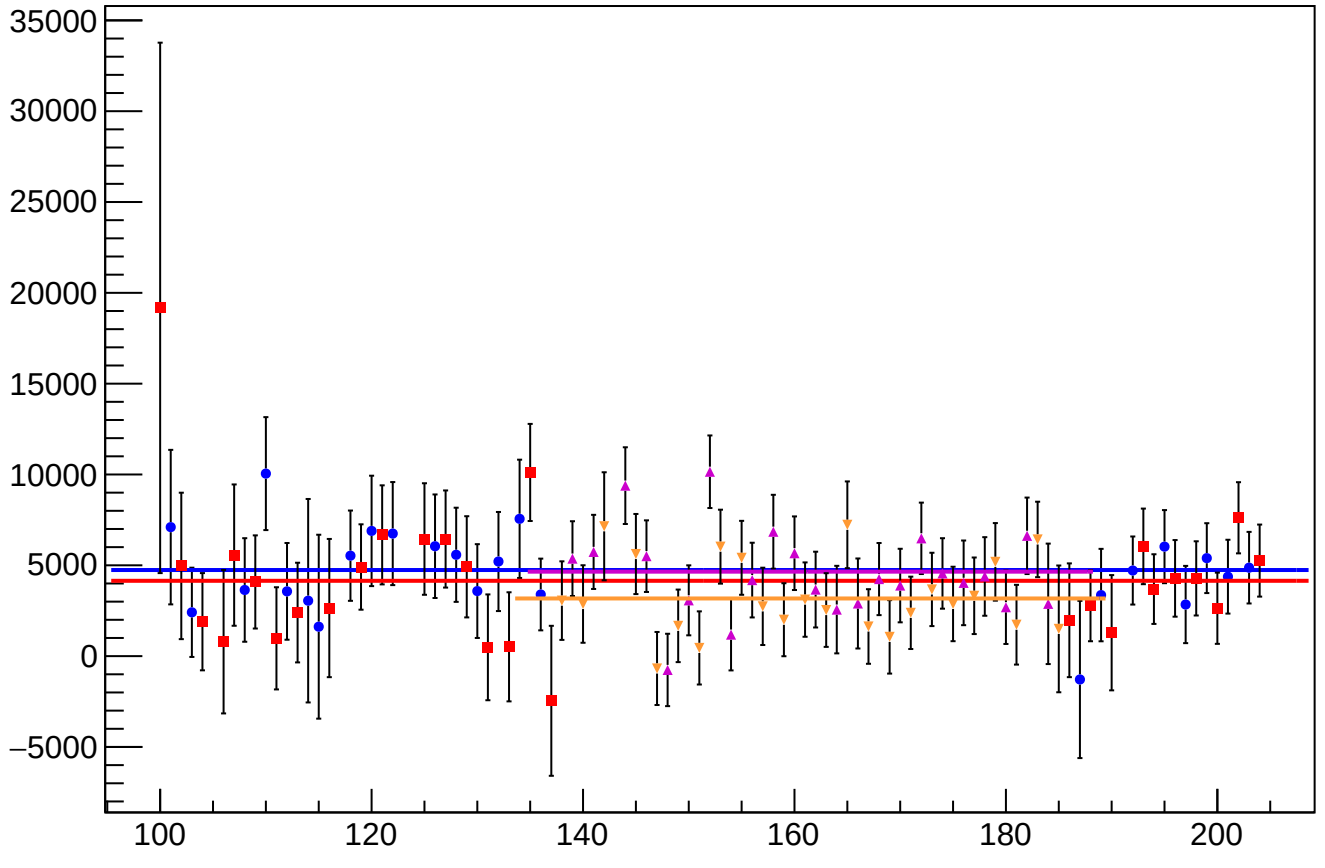
Left: 6446.367+/-0.766 χ^2/NDF: 2296641.6/46

Right: 5517.174+/-0.777 χ^2/NDF: 5642820.9/51

In: 6087.108+/-0.791 χ^2/NDF:3413754.8/46

Out: 5898.484+/-0.753 χ^2/NDF:5221083.2/51

All: 5988.208+/-0.546 χ^2/NDF: 8664656.9/98



Right In: 4740.543+/-520.431 χ^2/NDF: 11.4/23

Left Out: 3174.543+/-434.815 χ^2/NDF:21.6/23

Right Out: 4147.264+/-491.522 χ^2/NDF: 24.1/27

Left In: 4650.462+/-436.198 χ^2/NDF:30.5/22

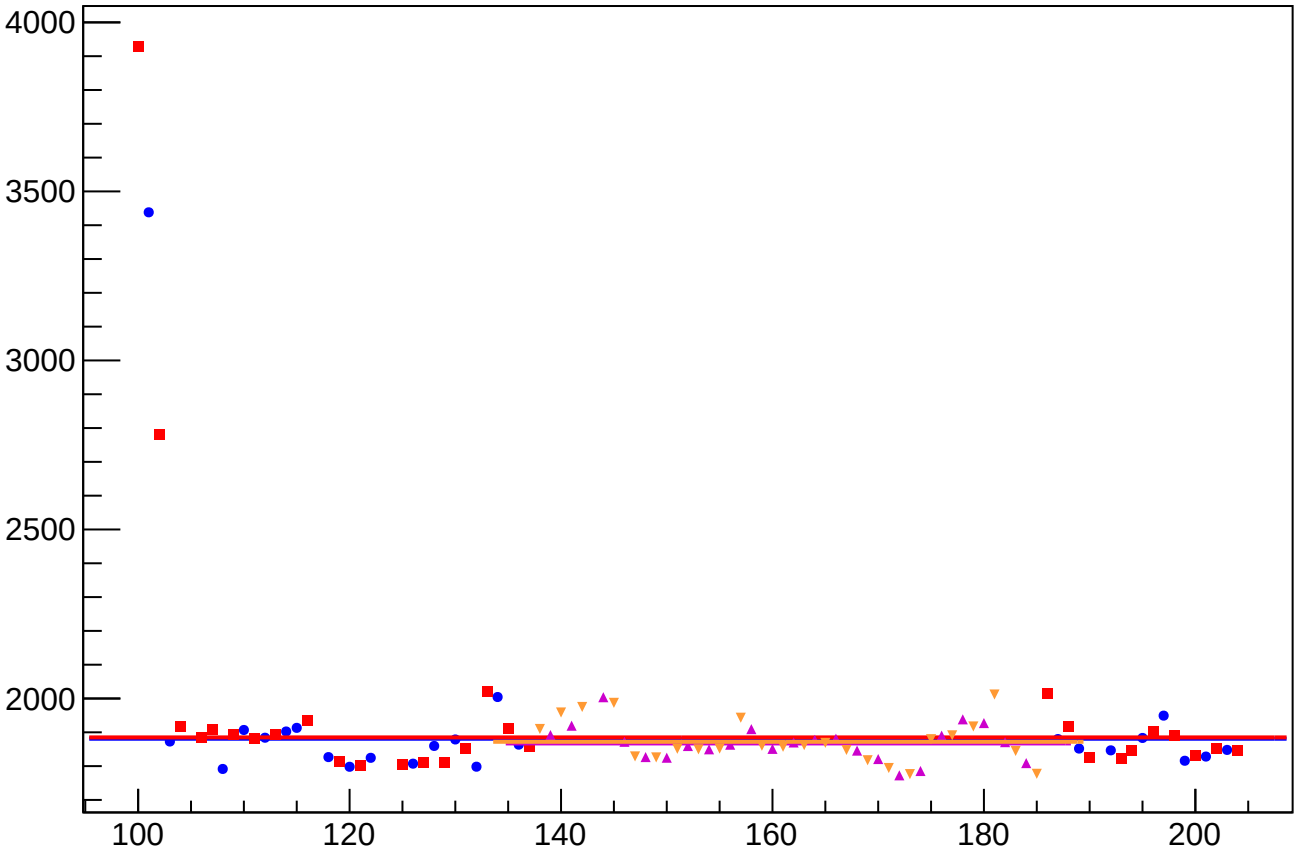
Left: 3910.160+/-307.949 χ^2/NDF: 57.8/46

Right: 4426.969+/-357.342 χ^2/NDF: 36.2/51

In: 4687.632+/-334.304 χ^2/NDF:42.0/46

Out: 3601.580+/-325.673 χ^2/NDF:47.9/51

All: 4130.405+/-233.277 χ^2/NDF: 95.3/98



Right In: 1880.993+/-0.368 χ^2/NDF: 287082.2/23

Left Out: 1871.981+/-0.307 χ^2/NDF:37155.9/23

Right Out: 1884.957+/-0.347 χ^2/NDF: 161708.7/27

Left In: 1867.080+/-0.308 χ^2/NDF:27247.8/22

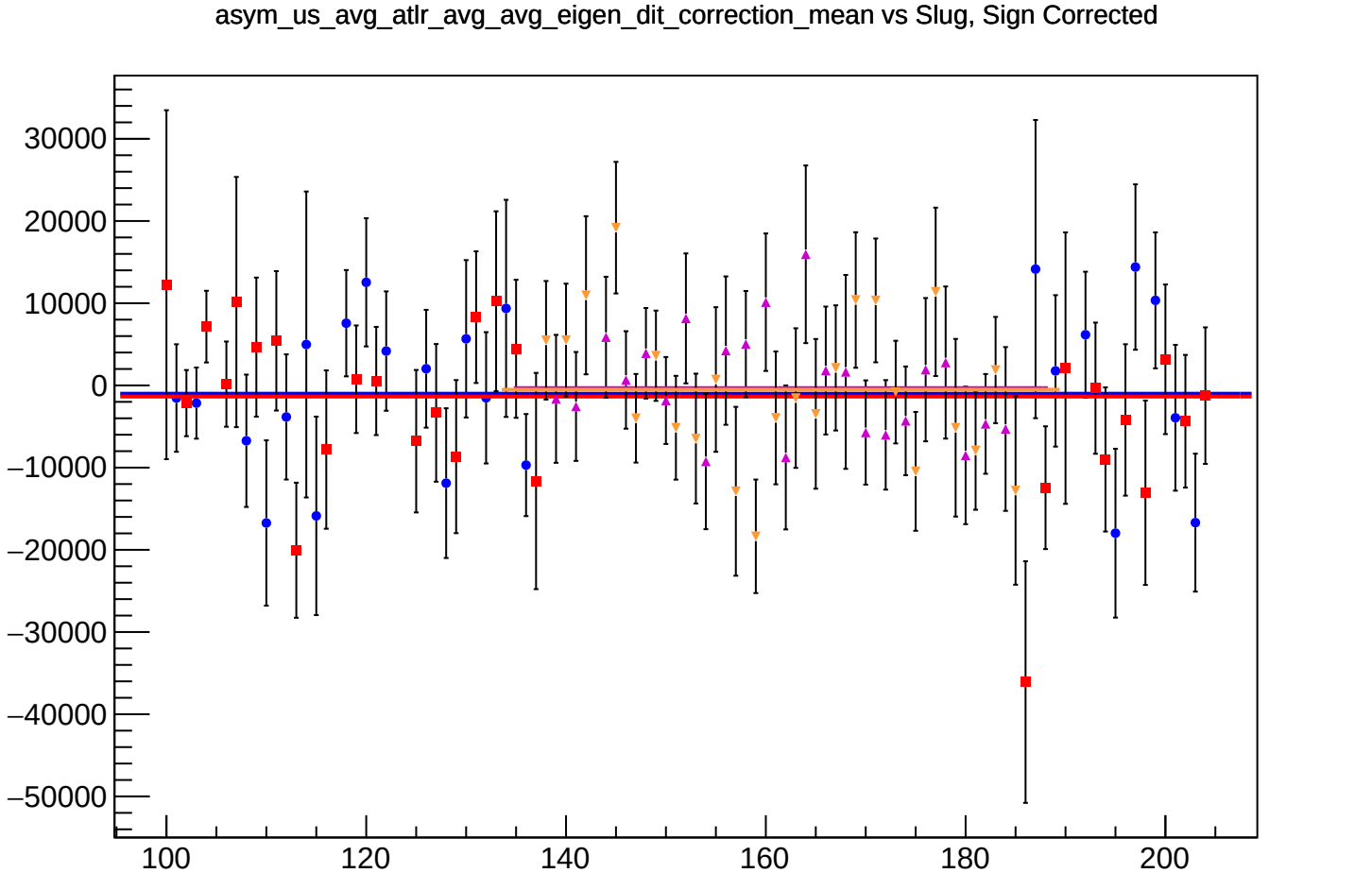
Left: 1869.538+/-0.218 χ^2/NDF: 64530.3/46

Right: 1883.089+/-0.253 χ^2/NDF: 448852.3/51

In: 1872.821+/-0.236 χ^2/NDF:315169.6/46

Out: 1877.681+/-0.230 χ^2/NDF:199647.0/51

All: 1875.315+/-0.165 χ^2/NDF: 515033.5/98



Right In: -1005.083+/-1641.954 χ^2/NDF: 27.0/23

Left Out: -520.268+/-1536.787 χ^2/NDF:29.2/23

Right Out: -1361.127+/-1478.388 χ^2/NDF: 26.8/27

Left In: -324.626+/-1527.998 χ^2/NDF:13.4/22

Left: -421.886+/-1083.552 χ^2/NDF: 42.6/46

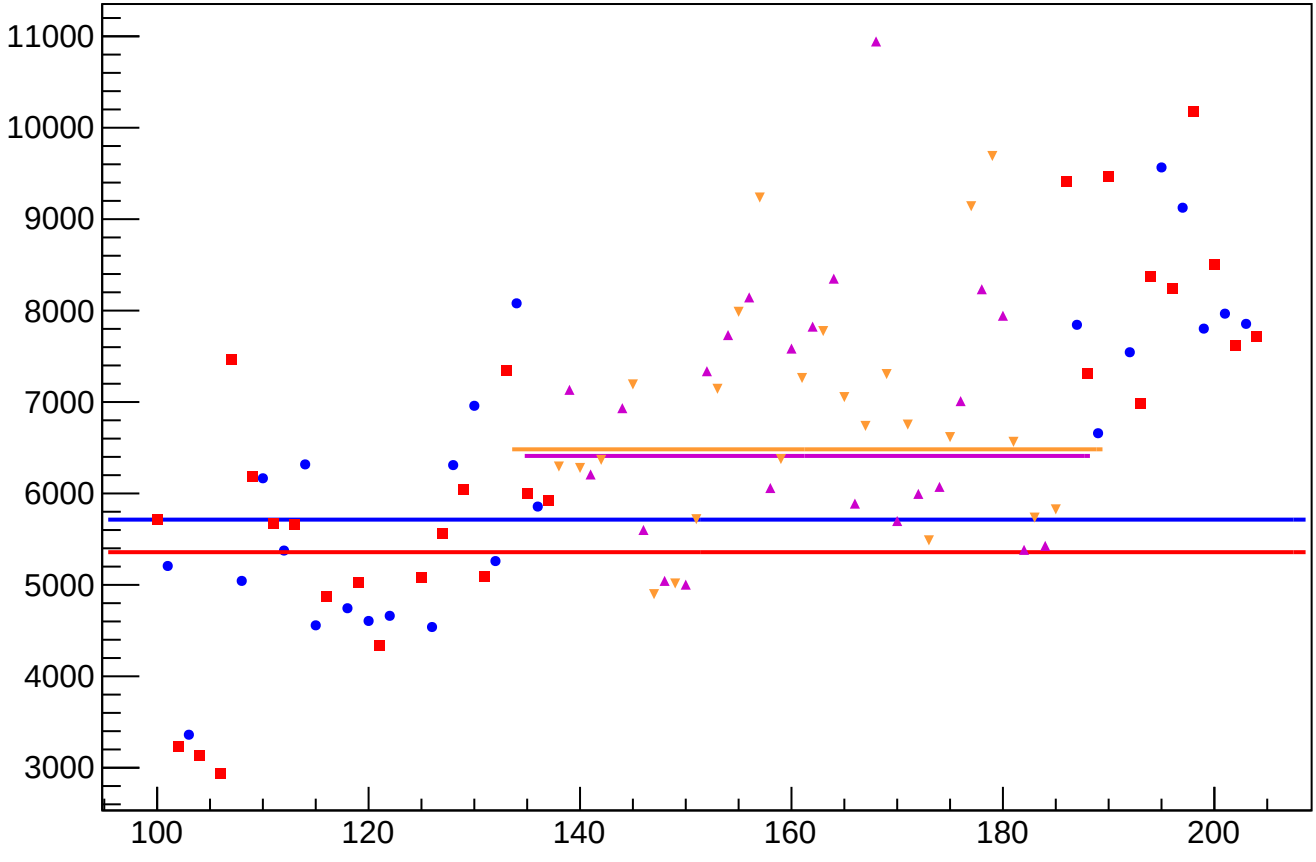
Right: -1201.718+/-1098.667 χ^2/NDF: 53.8/51

In: -640.425+/-1118.576 χ^2/NDF:40.5/46

Out: -956.978+/-1065.425 χ^2/NDF:56.1/51

All: -806.400+/-771.475 χ^2/NDF: 96.6/98

asym_us_avg_atlr_avg_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 5713.760+/-1.161 χ^2/NDF: 2001008.6/23

Left Out: 6482.740+/-1.087 χ^2/NDF:1074587.3/23

Right Out: 5357.783+/-1.045 χ^2/NDF: 3589943.0/27

Left In: 6410.429+/-1.080 χ^2/NDF:1219833.0/22

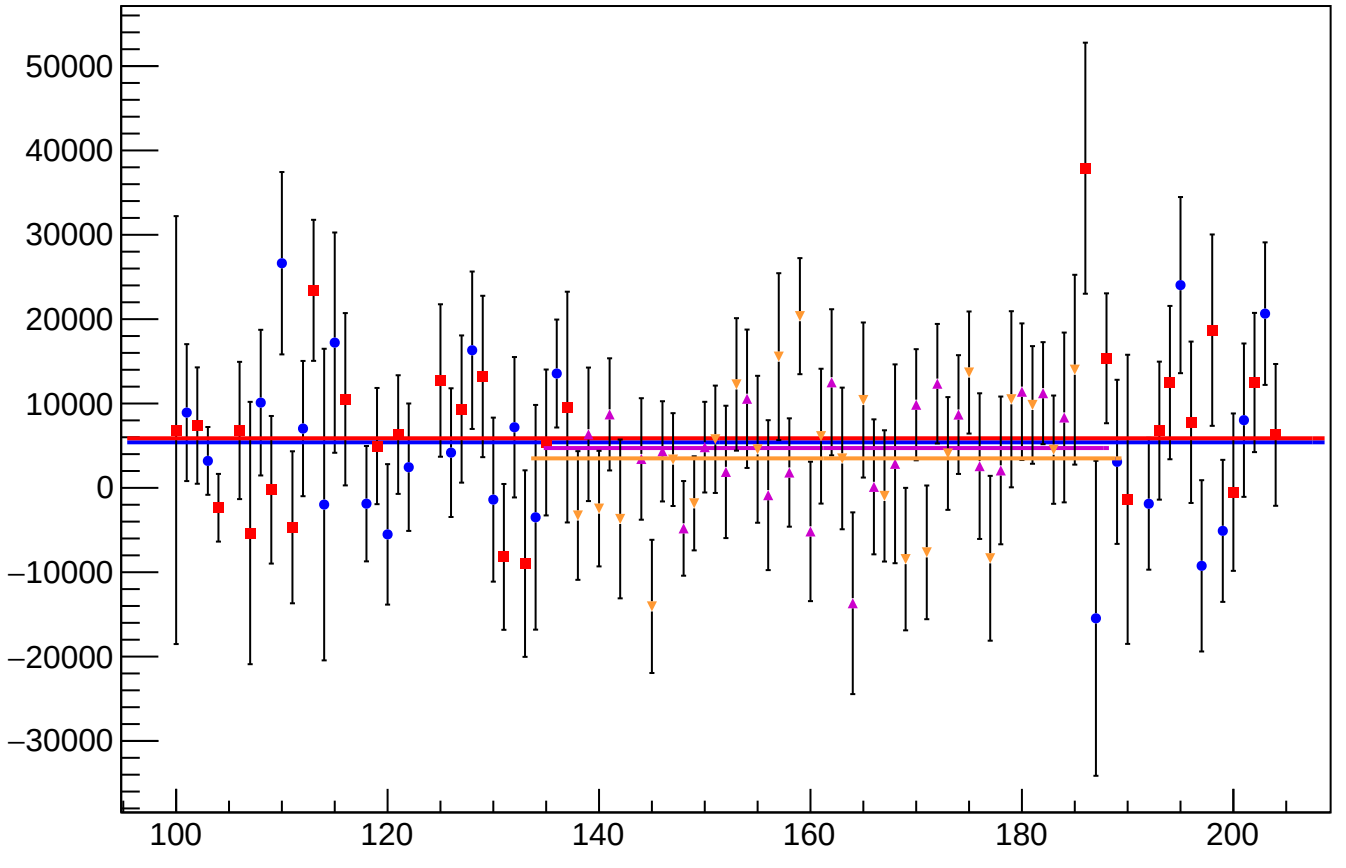
Left: 6446.377+/-0.766 χ^2/NDF: 2296647.1/46

Right: 5517.163+/-0.777 χ^2/NDF: 5642868.6/51

In: 6087.107+/-0.791 χ^2/NDF:3413792.5/46

Out: 5898.481+/-0.753 χ^2/NDF:5221131.8/51

All: 5988.206+/-0.546 χ^2/NDF: 8664743.6/98



Right In: 5400.397+/-1691.693 χ^2/NDF: 25.0/23

Left Out: 3497.162+/-1545.839 χ^2/NDF:27.5/23

Right Out: 5878.679+/-1618.016 χ^2/NDF: 26.4/27

Left In: 4719.535+/-1539.177 χ^2/NDF:14.3/22

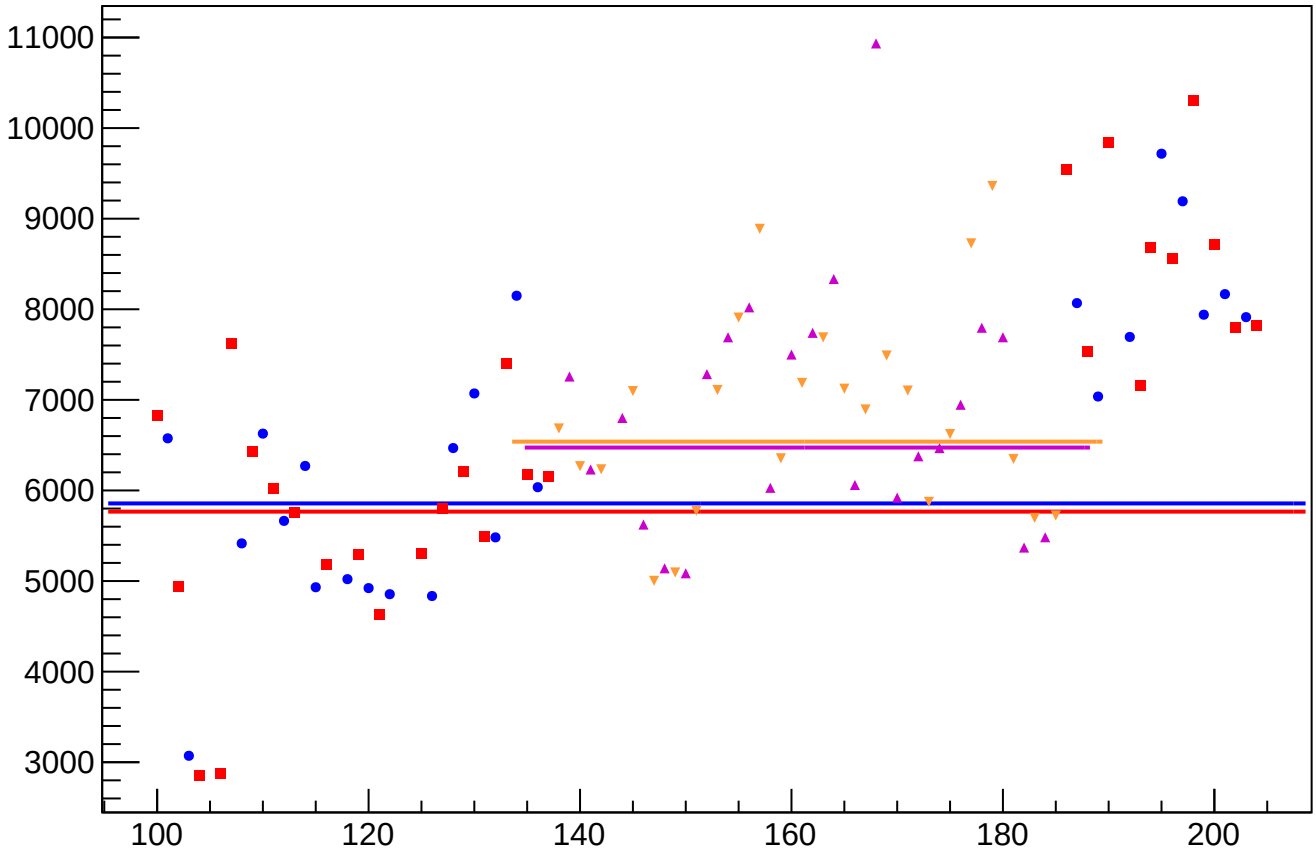
Left: 4110.988+/-1090.710 χ^2/NDF: 42.1/46

Right: 5650.180+/-1169.289 χ^2/NDF: 51.5/51

In: 5027.897+/-1138.472 χ^2/NDF:39.4/46

Out: 4633.620+/-1117.718 χ^2/NDF:55.0/51

All: 4827.132+/-797.582 χ^2/NDF: 94.4/98



Right In: 5856.770+/-1.196 χ^2/NDF: 2262649.5/23

Left Out: 6538.706+/-1.093 χ^2/NDF:920612.0/23

Right Out: 5766.252+/-1.128 χ^2/NDF: 3240280.7/27

Left In: 6473.481+/-1.088 χ^2/NDF:1071757.3/22

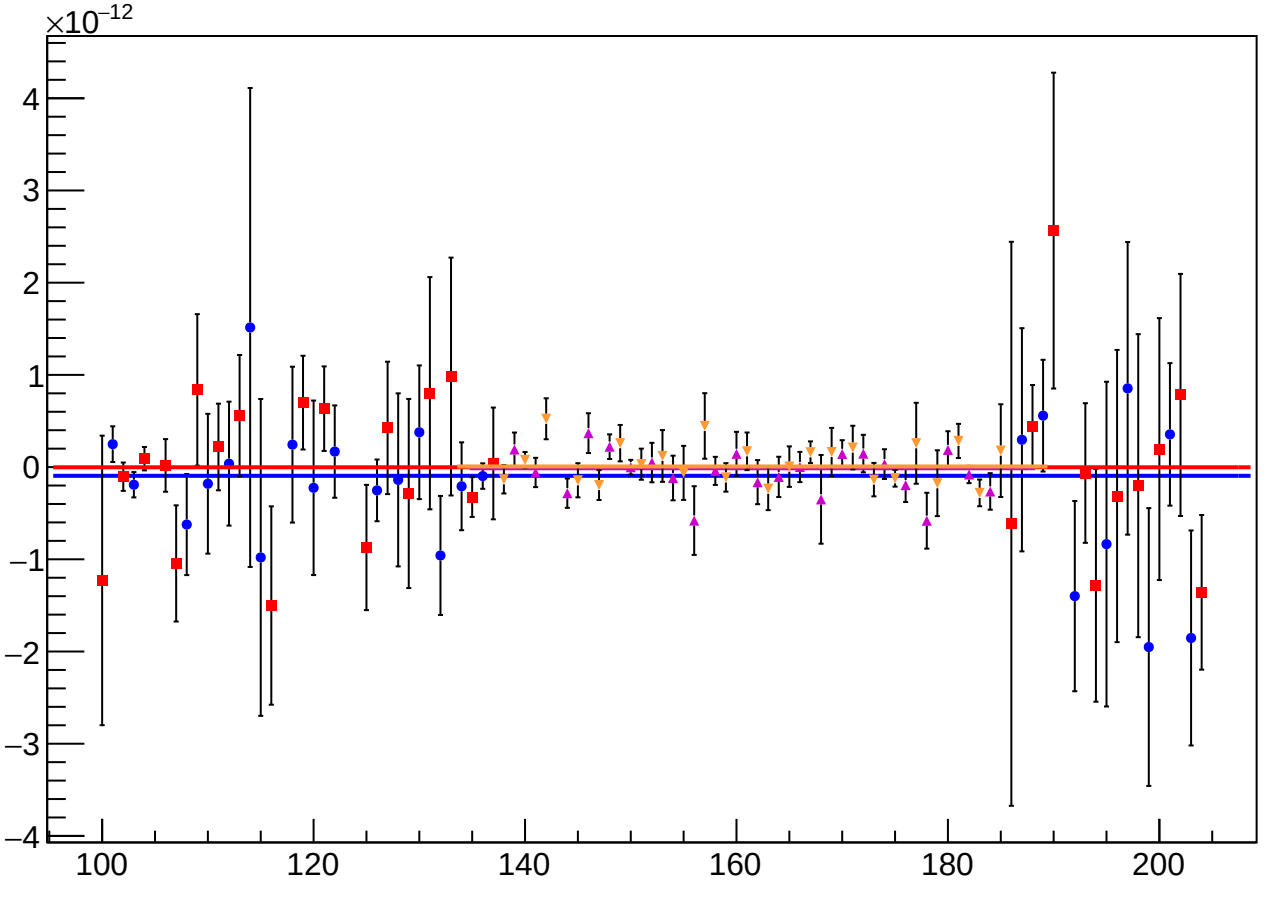
Left: 6505.953+/-0.771 χ^2/NDF: 1994157.3/46

Right: 5808.842+/-0.821 χ^2/NDF: 5505962.2/51

In: 6194.169+/-0.805 χ^2/NDF:3479826.7/46

Out: 6164.490+/-0.785 χ^2/NDF:4402826.8/51

All: 6178.953+/-0.562 χ^2/NDF: 7883350.4/98



Right In: -0.000+/-0.000 χ^2/NDF: 15.7/23

Left Out: 0.000+/-0.000 χ^2/NDF:27.2/23

Right Out: -0.000+/-0.000 χ^2/NDF: 24.7/27

Left In: -0.000+/-0.000 χ^2/NDF:24.0/22

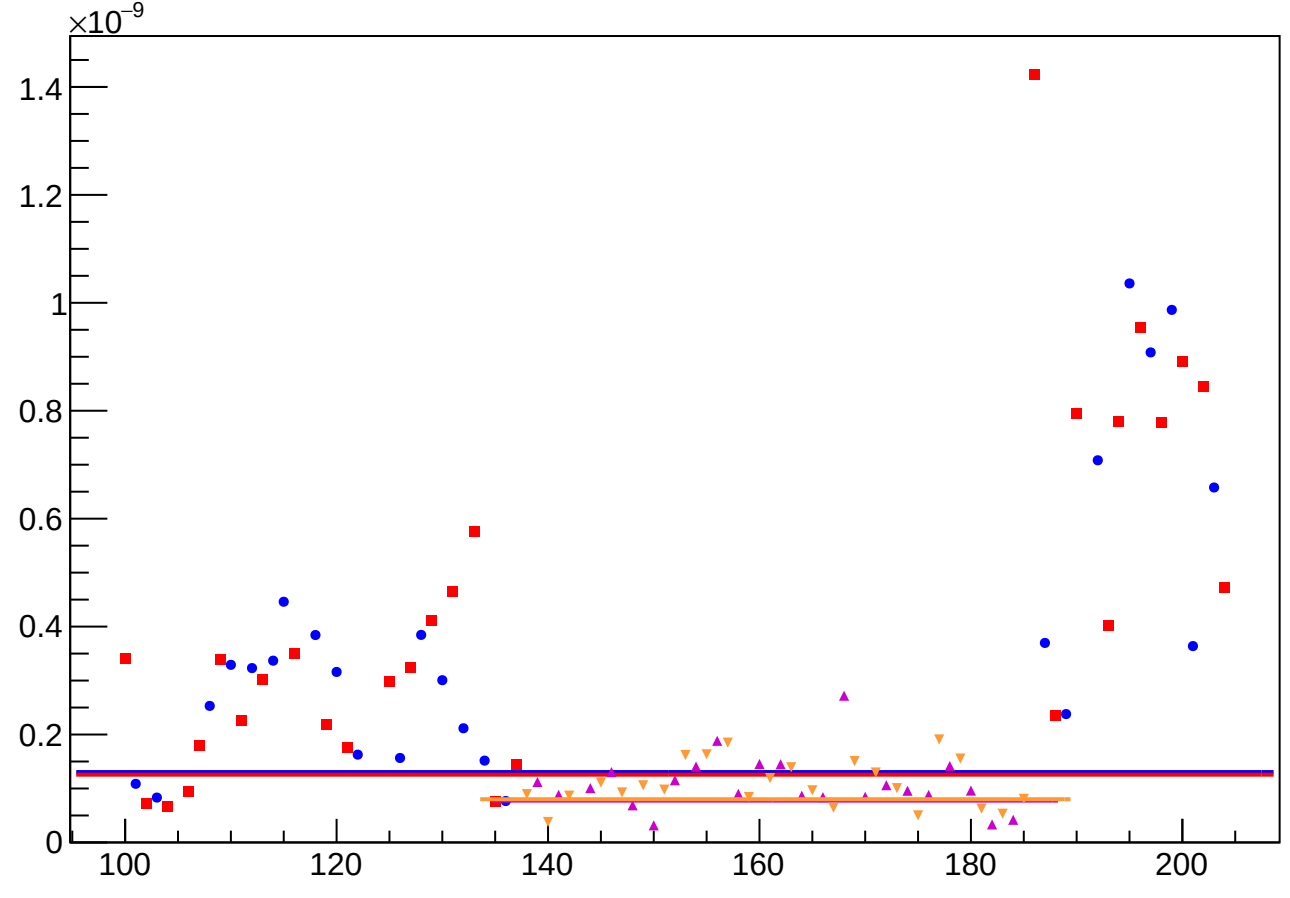
Left: -0.000+/-0.000 χ^2/NDF: 51.3/46

Right: -0.000+/-0.000 χ^2/NDF: 41.2/51

In: -0.000+/-0.000 χ^2/NDF:40.7/46

Out: 0.000+/-0.000 χ^2/NDF:51.9/51

All: -0.000+/-0.000 χ^2/NDF: 93.1/98



Right In: 0.000+/-0.000 χ^2/NDF: 4632320.3/23

Left Out: 0.000+/-0.000 χ^2/NDF:2153227.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 6219929.1/27

Left In: 0.000+/-0.000 χ^2/NDF:2642331.8/22

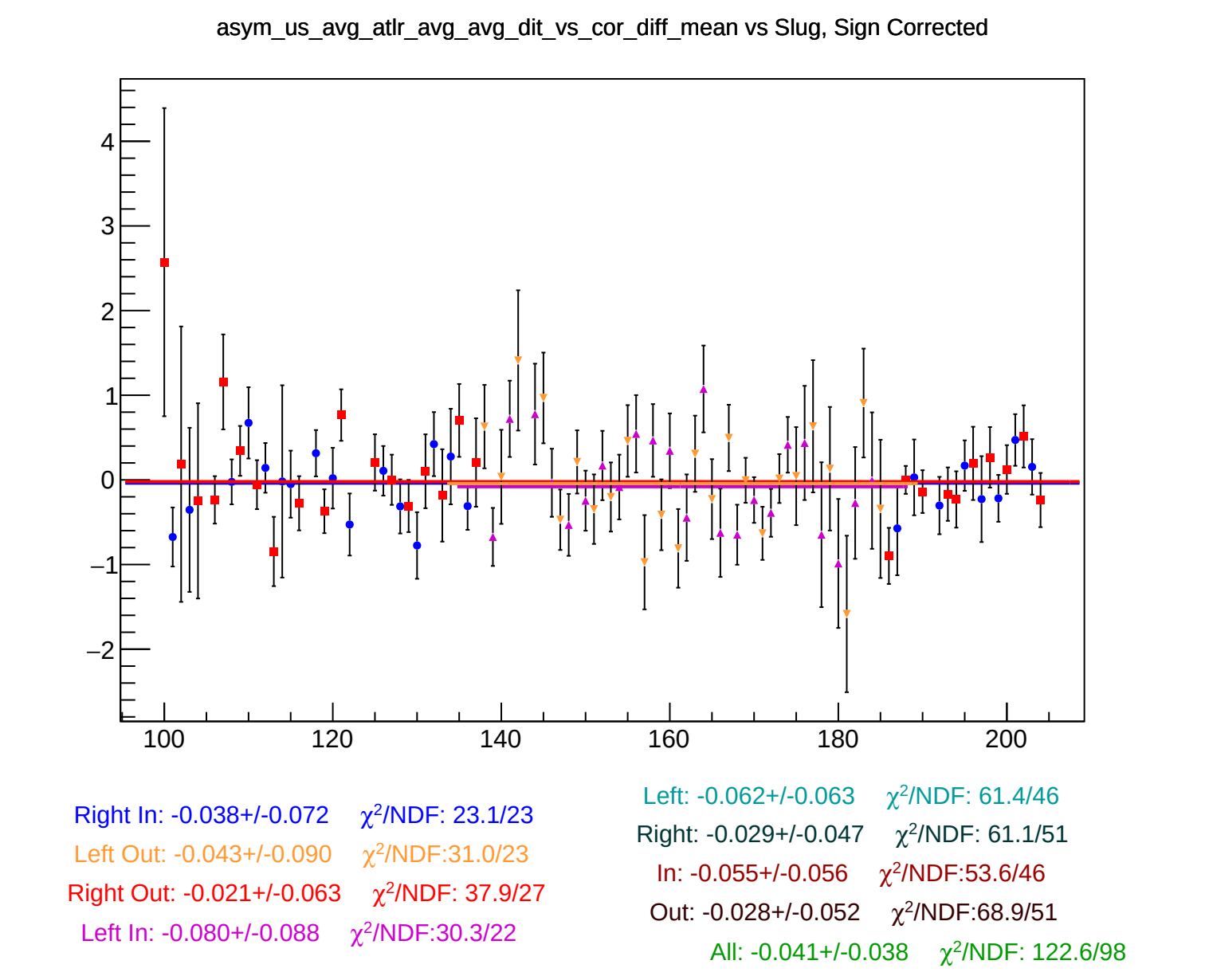
Left: 0.000+/-0.000 χ^2/NDF: 4801129.7/46

Right: 0.000+/-0.000 χ^2/NDF: 10856322.8/51

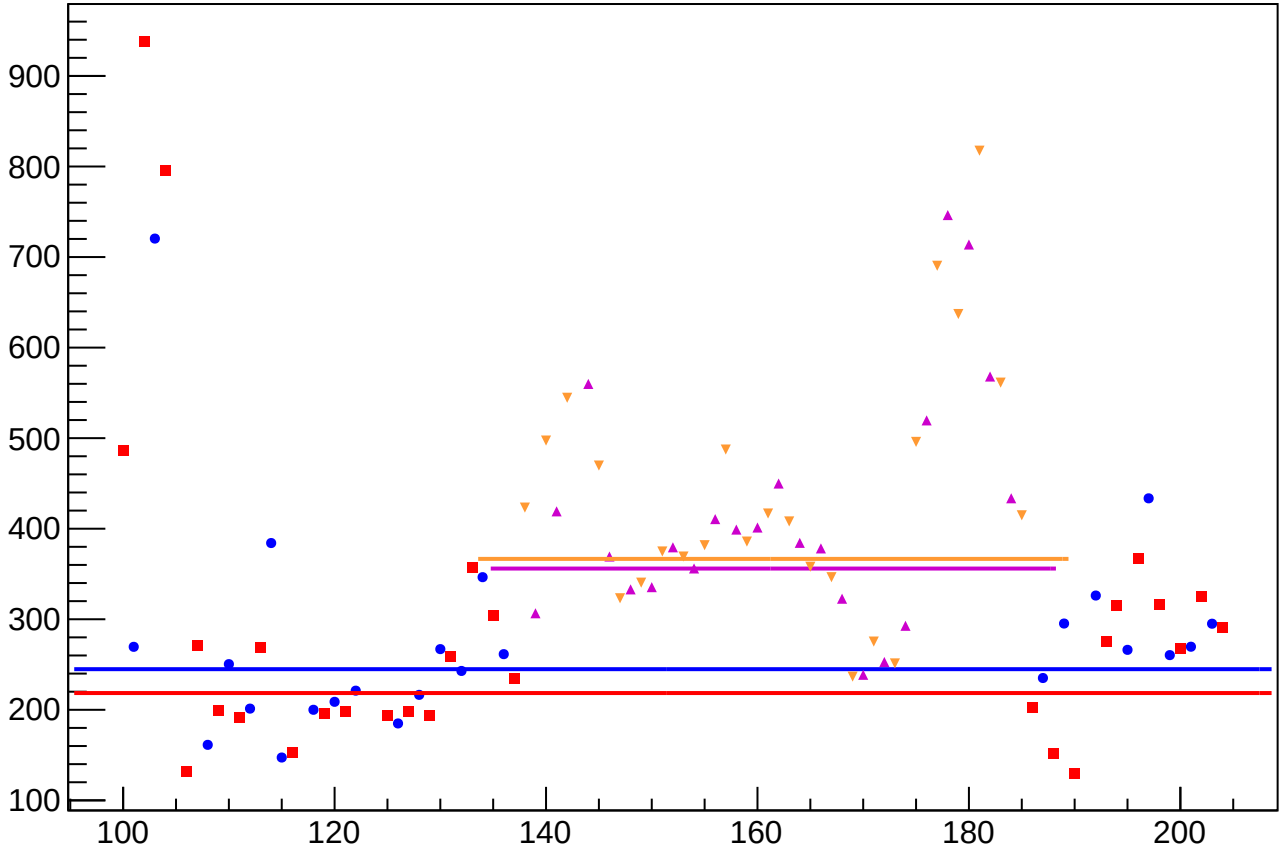
In: 0.000+/-0.000 χ^2/NDF:8078509.4/46

Out: 0.000+/-0.000 χ^2/NDF:8980875.1/51

All: 0.000+/-0.000 χ^2/NDF: 17062530.0/98


asym_us_avg_atlr_avg_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected
4
3
2
1
0
−1
−2
100
120
140
160
180
200
Right In: -0.038+/-0.072 χ²/NDF: 23.1/23
Left Out: -0.043+/-0.090 χ²/NDF:31.0/23
Right Out: -0.021+/-0.063 χ²/NDF: 37.9/27
Left In: -0.080+/-0.088 χ²/NDF:30.3/22
Left: -0.062+/-0.063 χ²/NDF: 61.4/46
Right: -0.029+/-0.047 χ²/NDF: 61.1/51
In: -0.055+/-0.056 χ²/NDF:53.6/46
Out: -0.028+/-0.052 χ²/NDF:68.9/51
All: -0.041+/-0.038 χ²/NDF: 122.6/98

asym_us_avg_atlr_avg_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 244.877+/-0.051 χ^2/NDF: 1639968.0/23

Left Out: 366.670+/-0.064 χ^2/NDF:2841071.8/23

Right Out: 218.512+/-0.044 χ^2/NDF: 3093875.9/27

Left In: 355.992+/-0.062 χ^2/NDF:2420701.1/22

Left: 361.170+/-0.045 χ^2/NDF: 5276130.6/46

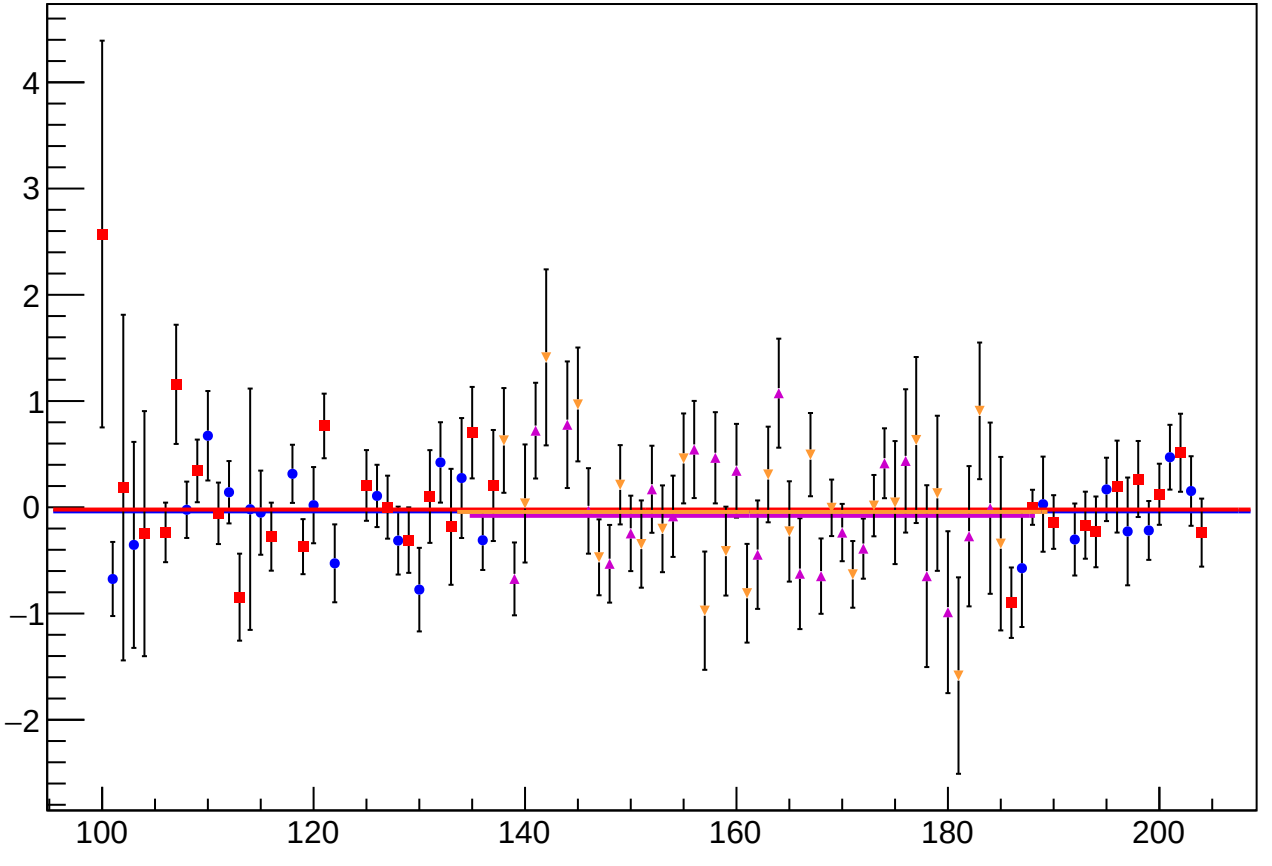
Right: 229.881+/-0.033 χ^2/NDF: 4885993.2/51

In: 289.641+/-0.039 χ^2/NDF:5974826.9/46

Out: 266.665+/-0.036 χ^2/NDF:9556543.1/51

All: 277.268+/-0.027 χ^2/NDF: 15714582.2/98

asym_us_avg_atlr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.038+/-0.072 χ^2/NDF: 23.1/23

Left Out: -0.043+/-0.090 χ^2/NDF:31.0/23

Right Out: -0.021+/-0.063 χ^2/NDF: 37.9/27

Left In: -0.080+/-0.088 χ^2/NDF:30.3/22

Left: -0.062+/-0.063 χ^2/NDF: 61.4/46

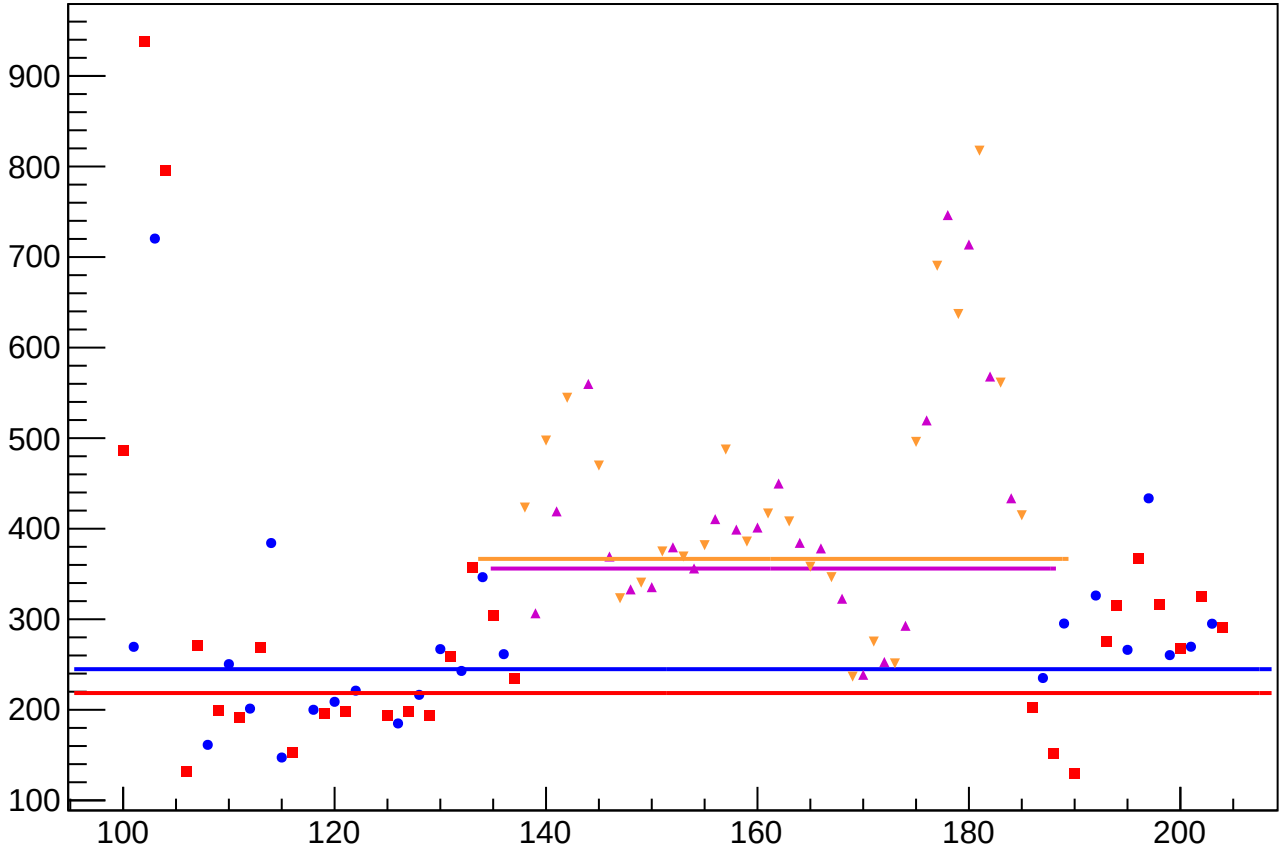
Right: -0.029+/-0.047 χ^2/NDF: 61.1/51

In: -0.055+/-0.056 χ^2/NDF:53.6/46

Out: -0.028+/-0.052 χ^2/NDF:68.9/51

All: -0.041+/-0.038 χ^2/NDF: 122.6/98

asym_us_avg_atlr_avg_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 244.877+/-0.051 χ^2/NDF: 1639968.0/23

Left Out: 366.670+/-0.064 χ^2/NDF:2841071.8/23

Right Out: 218.512+/-0.044 χ^2/NDF: 3093875.9/27

Left In: 355.992+/-0.062 χ^2/NDF:2420701.1/22

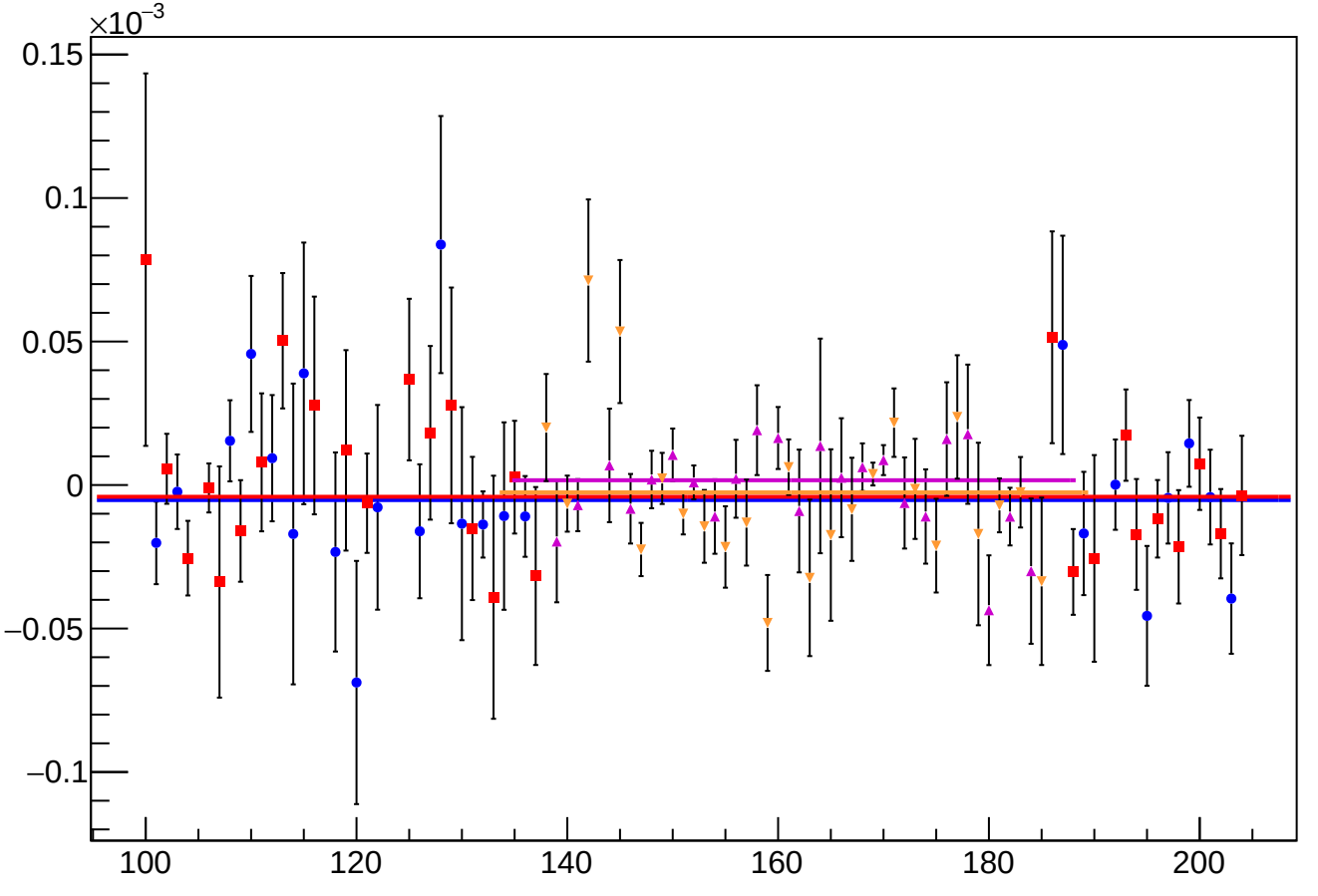
Left: 361.170+/-0.045 χ^2/NDF: 5276130.6/46

Right: 229.881+/-0.033 χ^2/NDF: 4885993.2/51

In: 289.641+/-0.039 χ^2/NDF:5974826.9/46

Out: 266.665+/-0.036 χ^2/NDF:9556543.1/51

All: 277.268+/-0.027 χ^2/NDF: 15714582.2/98



Right In: -0.000+/-0.000 χ^2/NDF: 25.7/23

Left Out: -0.000+/-0.000 χ^2/NDF:43.5/23

Right Out: -0.000+/-0.000 χ^2/NDF: 27.9/27

Left In: 0.000+/-0.000 χ^2/NDF:20.7/22

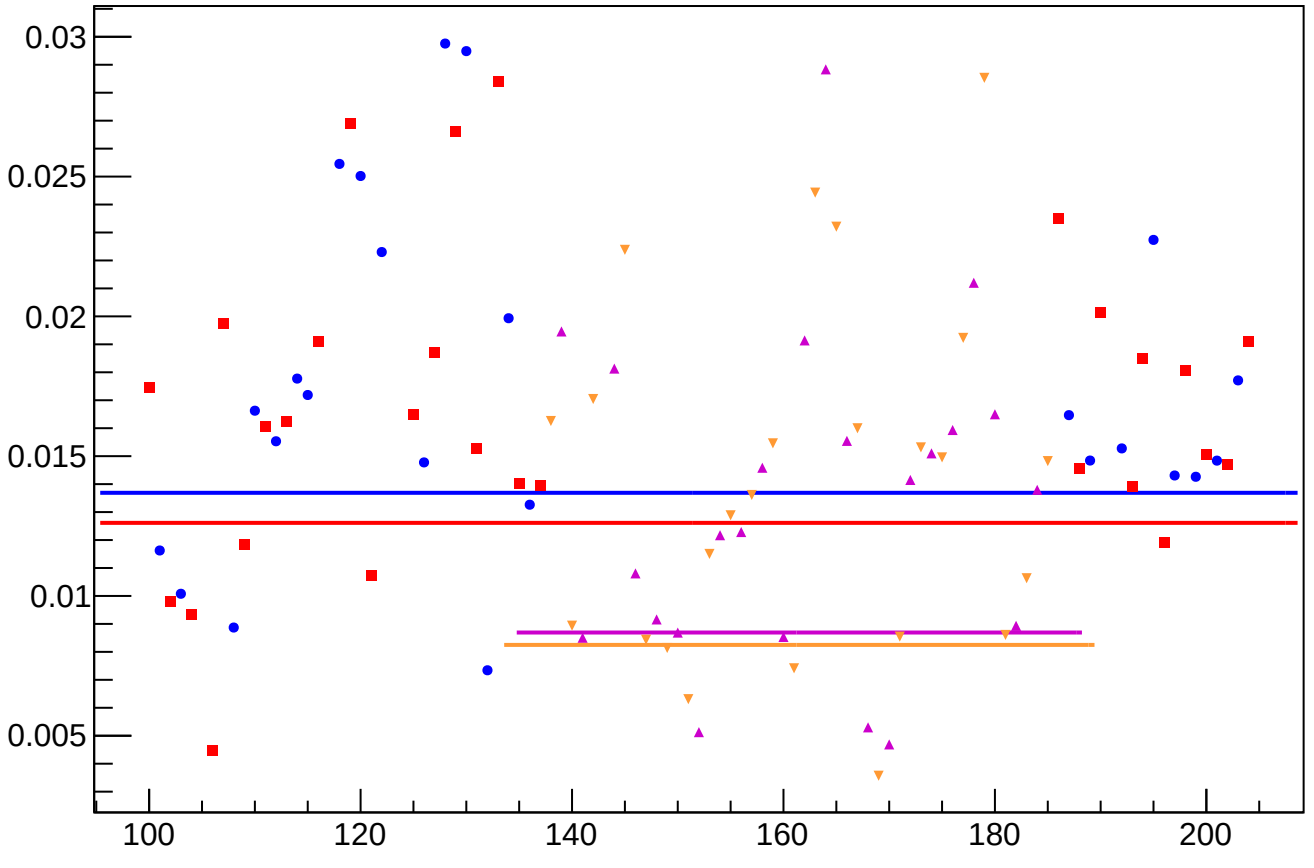
Left: -0.000+/-0.000 χ^2/NDF: 65.9/46

Right: -0.000+/-0.000 χ^2/NDF: 53.7/51

In: -0.000+/-0.000 χ^2/NDF:48.6/46

Out: -0.000+/-0.000 χ^2/NDF:71.5/51

All: -0.000+/-0.000 χ^2/NDF: 121.3/98



Right In: 0.014+/-0.000 χ^2/NDF: 2640642.4/23

Left Out: 0.008+/-0.000 χ^2/NDF:8879581.2/23

Right Out: 0.013+/-0.000 χ^2/NDF: 4231214.1/27

Left In: 0.009+/-0.000 χ^2/NDF:6875072.4/22

Left: 0.008+/-0.000 χ^2/NDF: 15791427.0/46

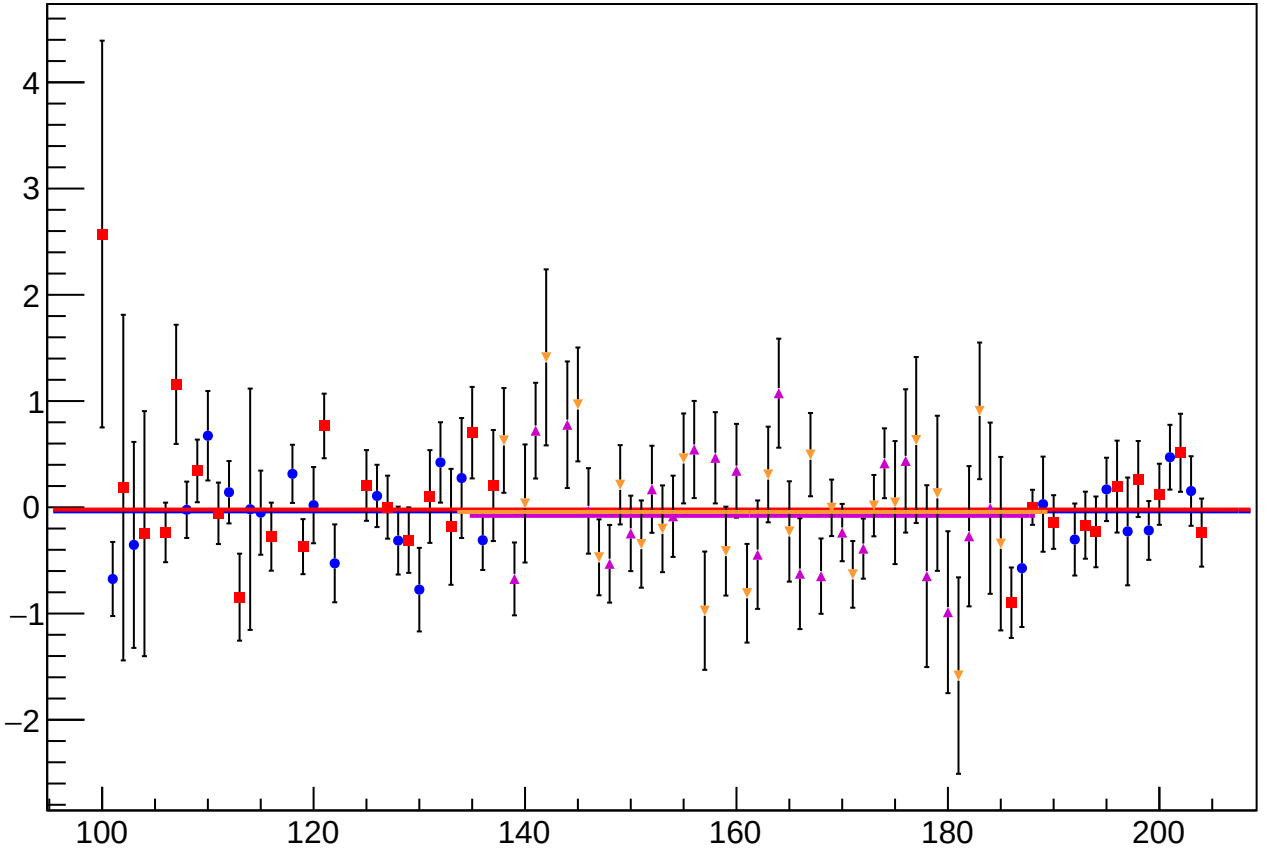
Right: 0.013+/-0.000 χ^2/NDF: 6951911.5/51

In: 0.010+/-0.000 χ^2/NDF:11820122.6/46

Out: 0.010+/-0.000 χ^2/NDF:15242910.3/51

All: 0.010+/-0.000 χ^2/NDF: 27118378.2/98

asym_us_avg_atlr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.038+/-0.072 χ^2/NDF: 23.1/23

Left Out: -0.043+/-0.090 χ^2/NDF:31.0/23

Right Out: -0.021+/-0.063 χ^2/NDF: 37.9/27

Left In: -0.080+/-0.088 χ^2/NDF:30.3/22

Left: -0.062+/-0.063 χ^2/NDF: 61.4/46

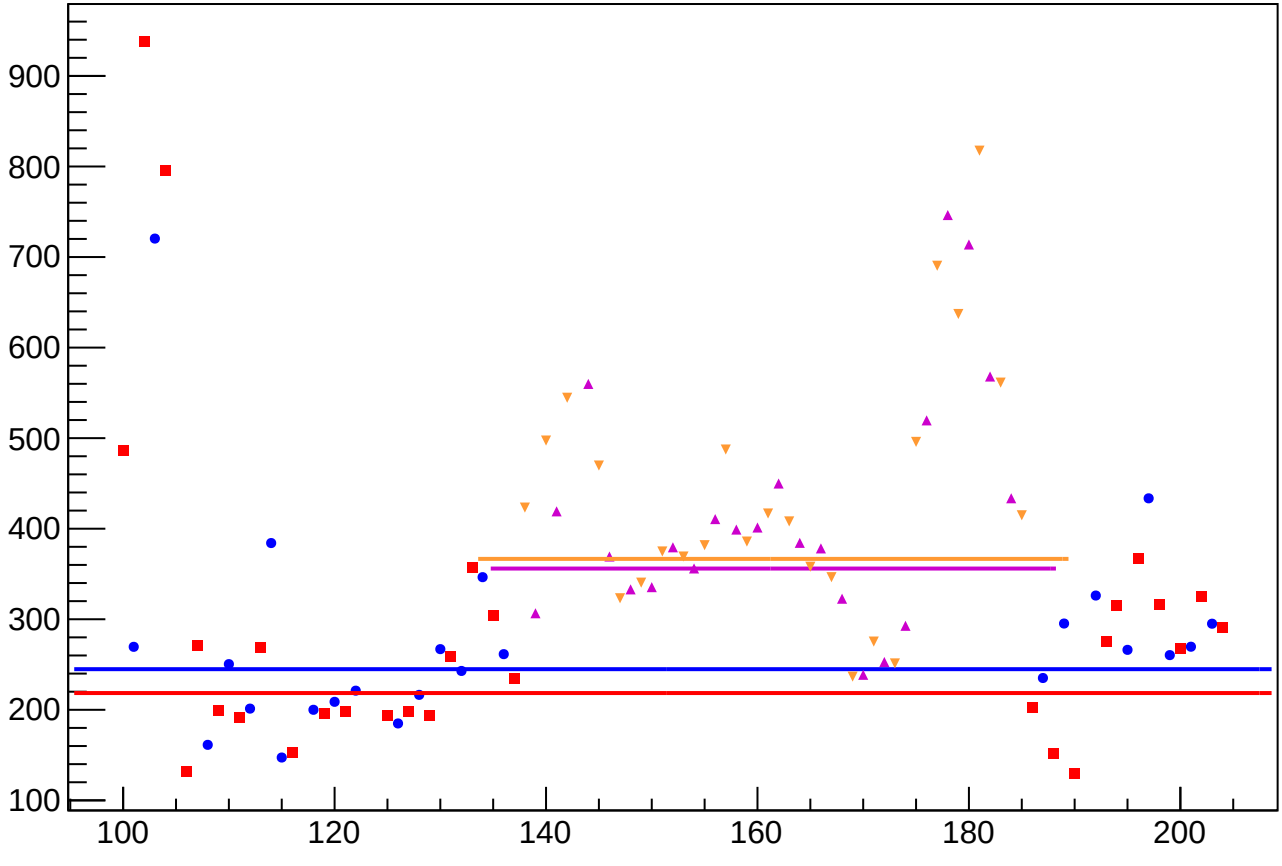
Right: -0.029+/-0.047 χ^2/NDF: 61.1/51

In: -0.055+/-0.056 χ^2/NDF:53.6/46

Out: -0.028+/-0.052 χ^2/NDF:68.9/51

All: -0.041+/-0.038 χ^2/NDF: 122.6/98

asym_us_avg_atlr_avg_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 244.876+/-0.051 χ^2/NDF: 1639977.8/23

Left Out: 366.671+/-0.064 χ^2/NDF:2841292.6/23

Right Out: 218.509+/-0.044 χ^2/NDF: 3093956.4/27

Left In: 355.993+/-0.062 χ^2/NDF:2420863.3/22

Left: 361.171+/-0.045 χ^2/NDF: 5276510.3/46

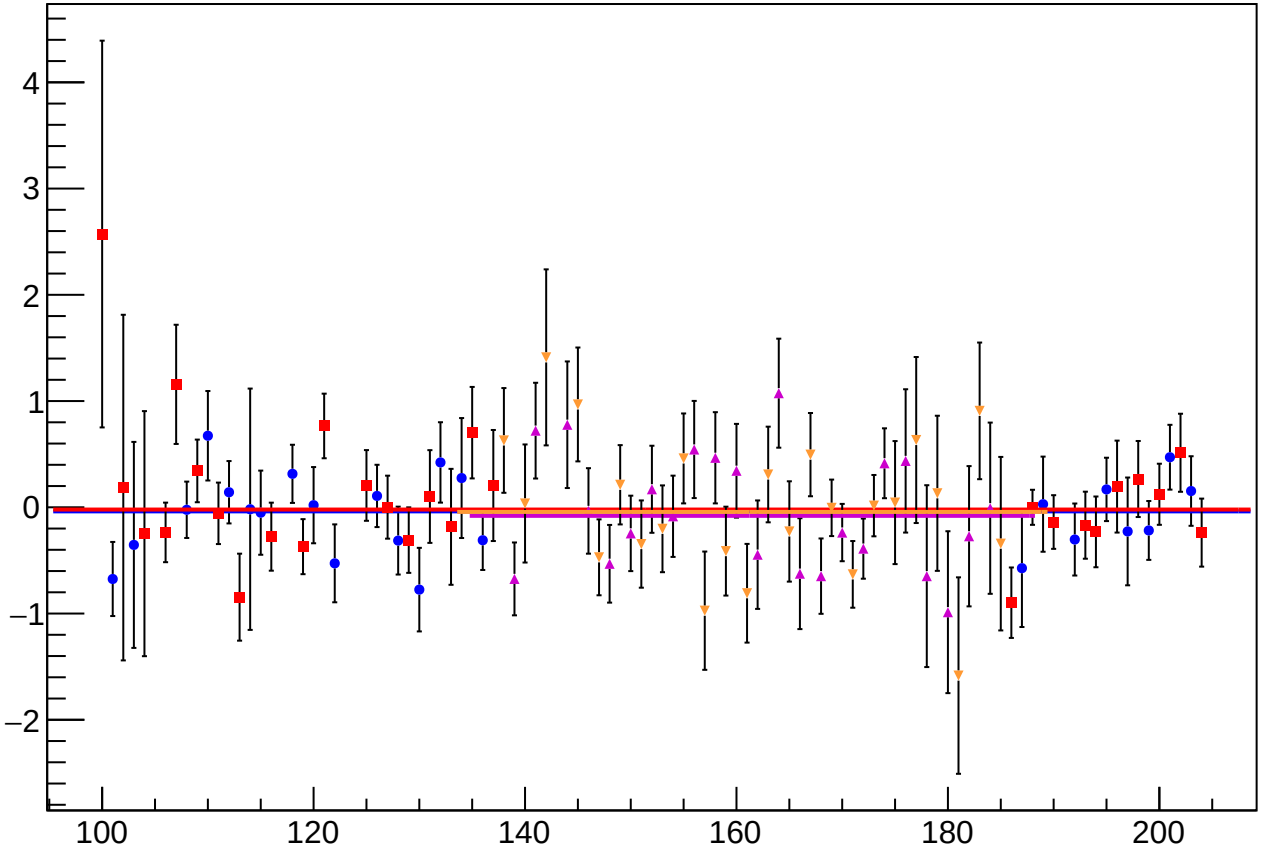
Right: 229.878+/-0.033 χ^2/NDF: 4886106.7/51

In: 289.641+/-0.039 χ^2/NDF:5975078.4/46

Out: 266.663+/-0.036 χ^2/NDF:9557007.1/51

All: 277.266+/-0.027 χ^2/NDF: 15715333.3/98

asym_us_avg_atlr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.038+/-0.072 χ^2/NDF: 23.1/23

Left Out: -0.043+/-0.090 χ^2/NDF:31.0/23

Right Out: -0.021+/-0.063 χ^2/NDF: 37.9/27

Left In: -0.080+/-0.088 χ^2/NDF:30.3/22

Left: -0.062+/-0.063 χ^2/NDF: 61.4/46

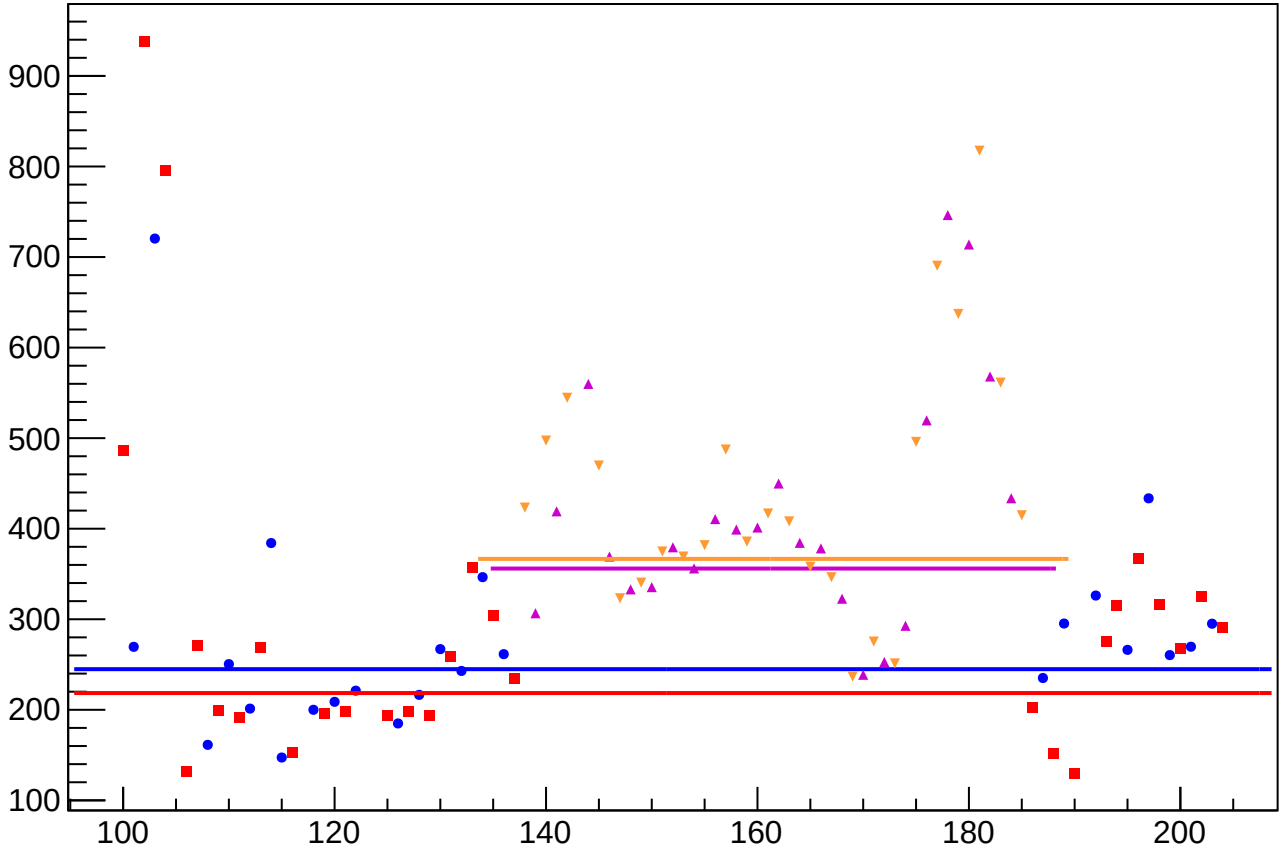
Right: -0.029+/-0.047 χ^2/NDF: 61.1/51

In: -0.055+/-0.056 χ^2/NDF:53.6/46

Out: -0.028+/-0.052 χ^2/NDF:68.9/51

All: -0.041+/-0.038 χ^2/NDF: 122.6/98

asym_us_avg_atlr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 244.876+/-0.051 χ^2/NDF: 1639977.8/23

Left Out: 366.671+/-0.064 χ^2/NDF:2841292.6/23

Right Out: 218.509+/-0.044 χ^2/NDF: 3093956.4/27

Left In: 355.993+/-0.062 χ^2/NDF:2420863.3/22

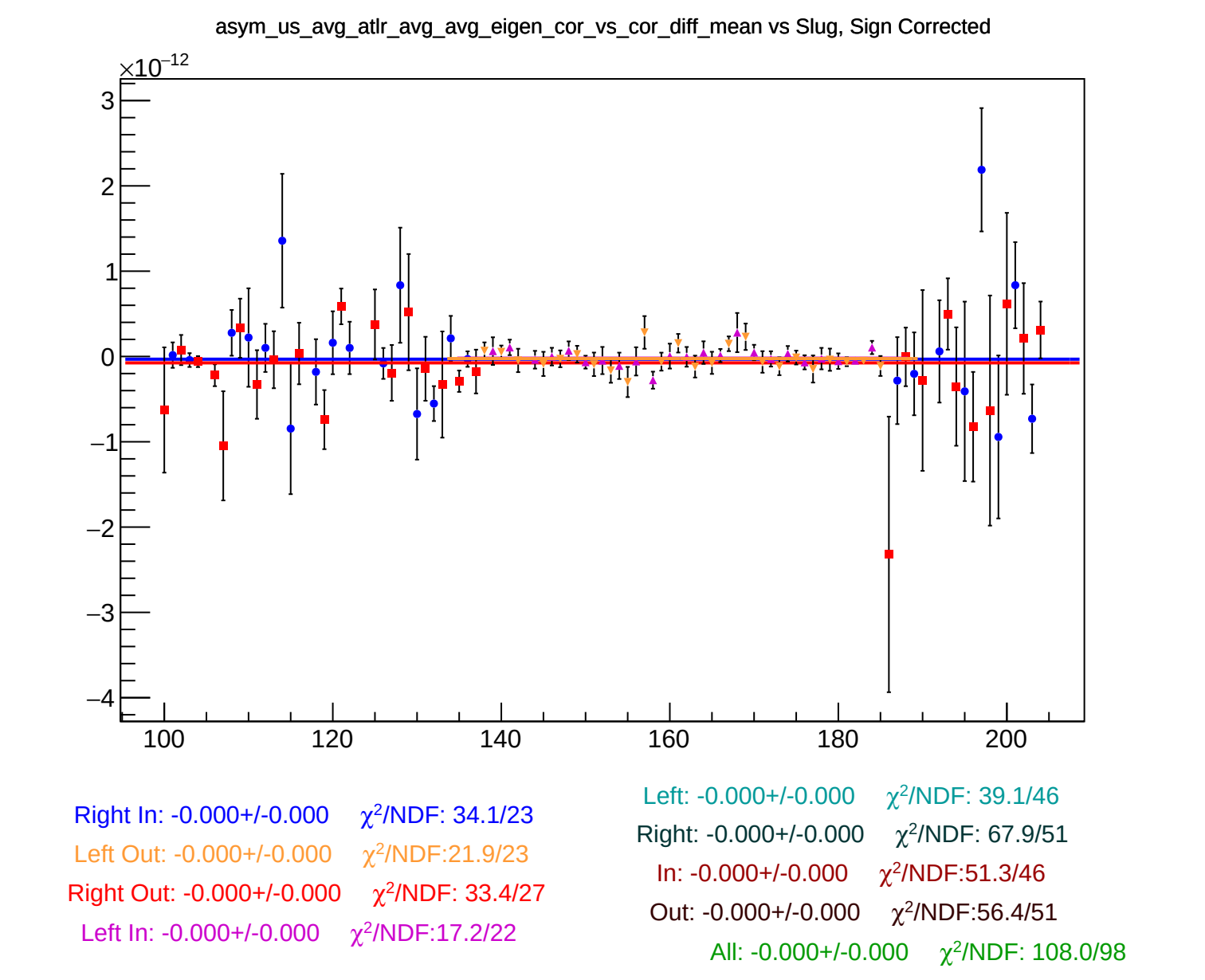
Left: 361.171+/-0.045 χ^2/NDF: 5276510.3/46

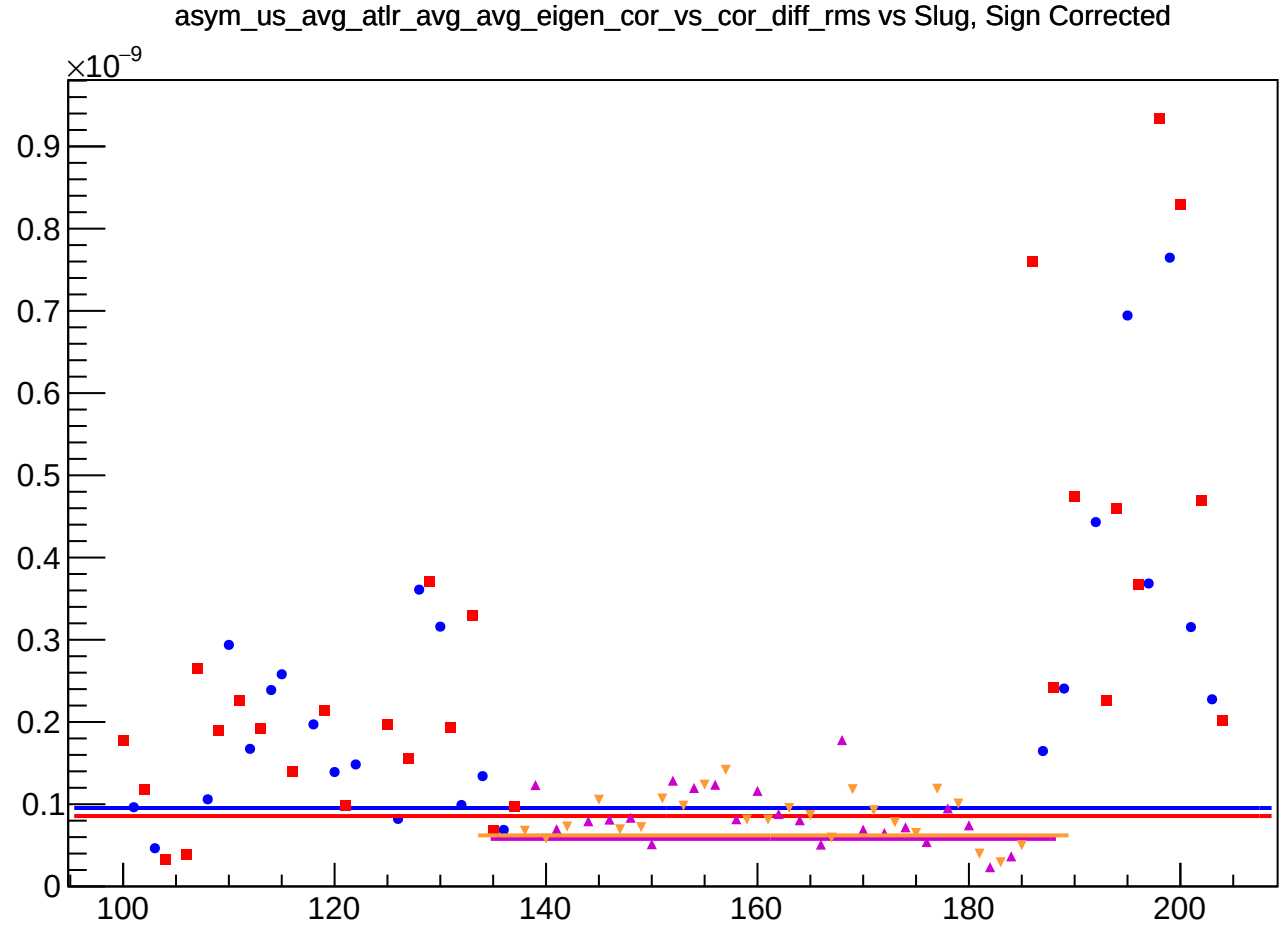
Right: 229.878+/-0.033 χ^2/NDF: 4886106.7/51

In: 289.641+/-0.039 χ^2/NDF:5975078.4/46

Out: 266.663+/-0.036 χ^2/NDF:9557007.1/51

All: 277.266+/-0.027 χ^2/NDF: 15715333.3/98


asym_us_avg_atlr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
3
2
1
0
−1
−2
−3
−4
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 34.1/23
Left Out: -0.000+/-0.000 χ²/NDF:21.9/23
Right Out: -0.000+/-0.000 χ²/NDF: 33.4/27
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: 67.9/51
In: -0.000+/-0.000 χ²/NDF:51.3/46
Out: -0.000+/-0.000 χ²/NDF:56.4/51
All: -0.000+/-0.000 χ²/NDF: 108.0/98



Right In: 0.000+/-0.000 χ^2/NDF: 5760587.8/23

Left Out: 0.000+/-0.000 χ^2/NDF:4100152.8/23

Right Out: 0.000+/-0.000 χ^2/NDF: 8875250.8/27

Left In: 0.000+/-0.000 χ^2/NDF:5512617.8/22

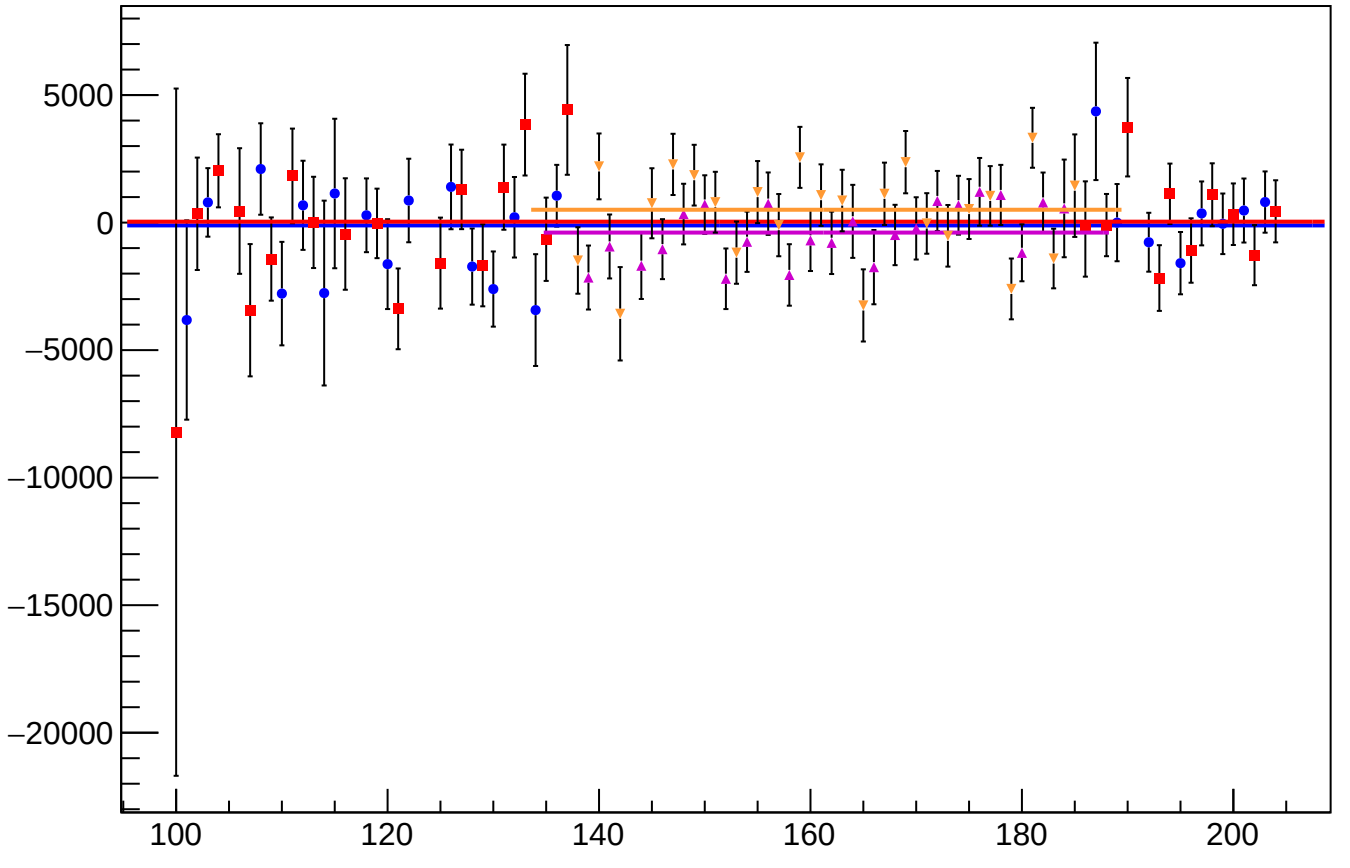
Left: 0.000+/-0.000 χ^2/NDF: 9664055.9/46

Right: 0.000+/-0.000 χ^2/NDF: 14684227.8/51

In: 0.000+/-0.000 χ^2/NDF:12428215.3/46

Out: 0.000+/-0.000 χ^2/NDF:13475018.9/51

All: 0.000+/-0.000 χ^2/NDF: 25932855.1/98



Right In: -110.857+/-314.680 χ^2/NDF: 20.3/23

Left Out: 503.606+/-255.531 χ^2/NDF:44.6/23

Right Out: 36.330+/-297.488 χ^2/NDF: 31.1/27

Left In: -391.701+/-257.386 χ^2/NDF:17.8/22

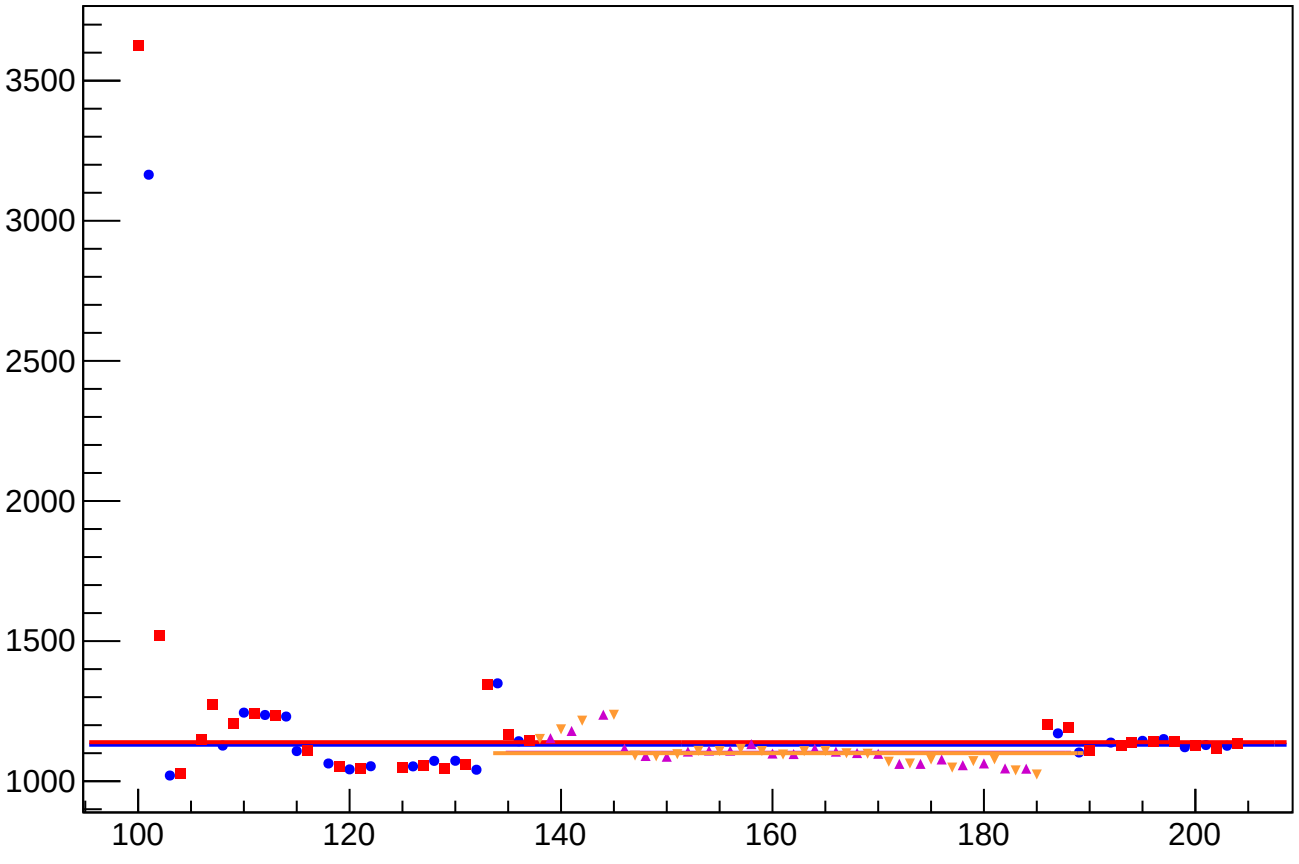
Left: 59.191+/-181.340 χ^2/NDF: 68.5/46

Right: -33.133+/-216.178 χ^2/NDF: 51.6/51

In: -279.127+/-199.230 χ^2/NDF:38.6/46

Out: 305.217+/-193.839 χ^2/NDF:77.1/51

All: 21.058+/-138.932 χ^2/NDF: 120.1/98



Right In: 1130.185+/-0.223 χ^2/NDF: 623558.1/23

Left Out: 1100.063+/-0.181 χ^2/NDF:58733.9/23

Right Out: 1139.279+/-0.210 χ^2/NDF: 227862.4/27

Left In: 1101.530+/-0.182 χ^2/NDF:52145.9/22

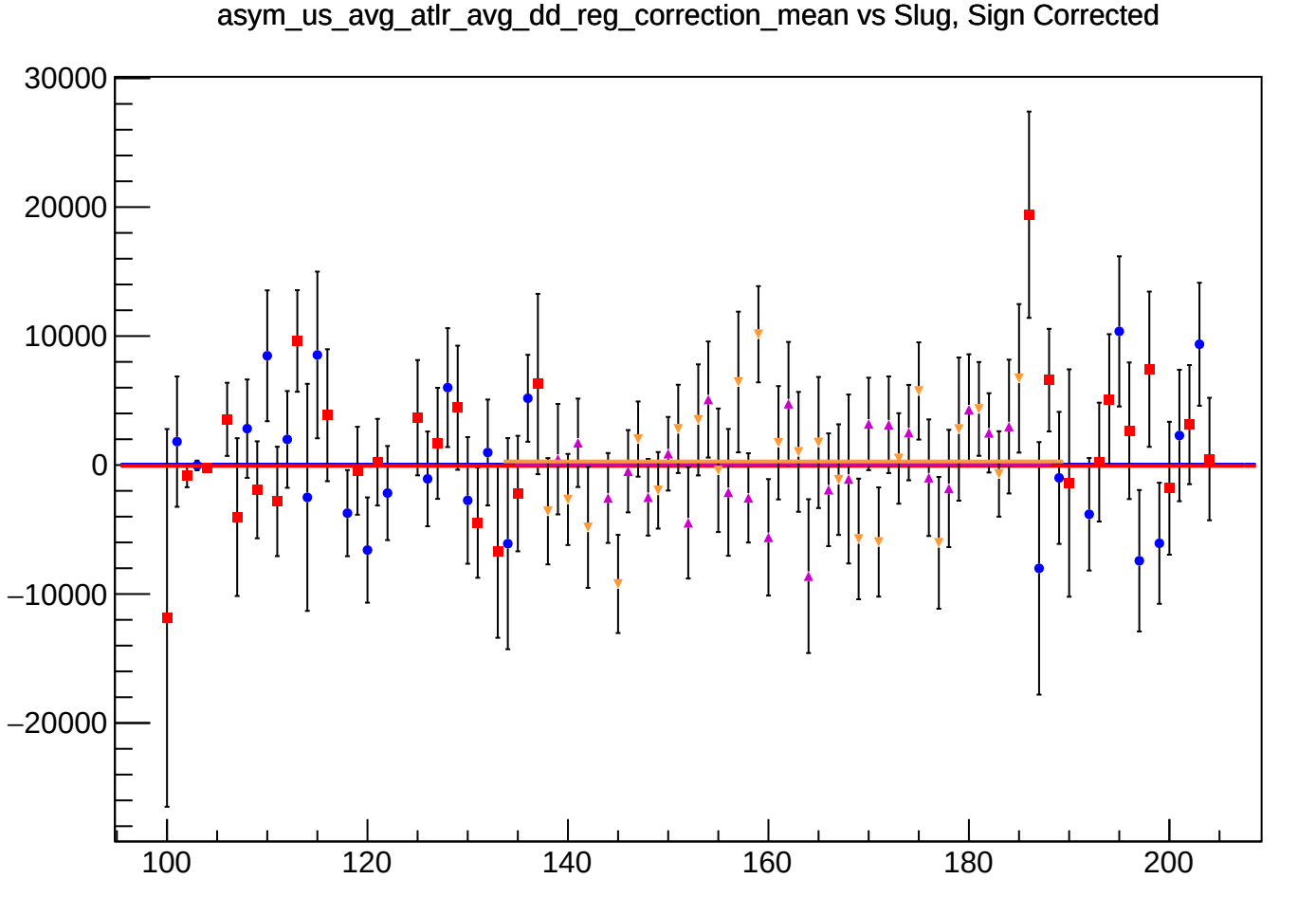
Left: 1100.791+/-0.128 χ^2/NDF: 110912.5/46

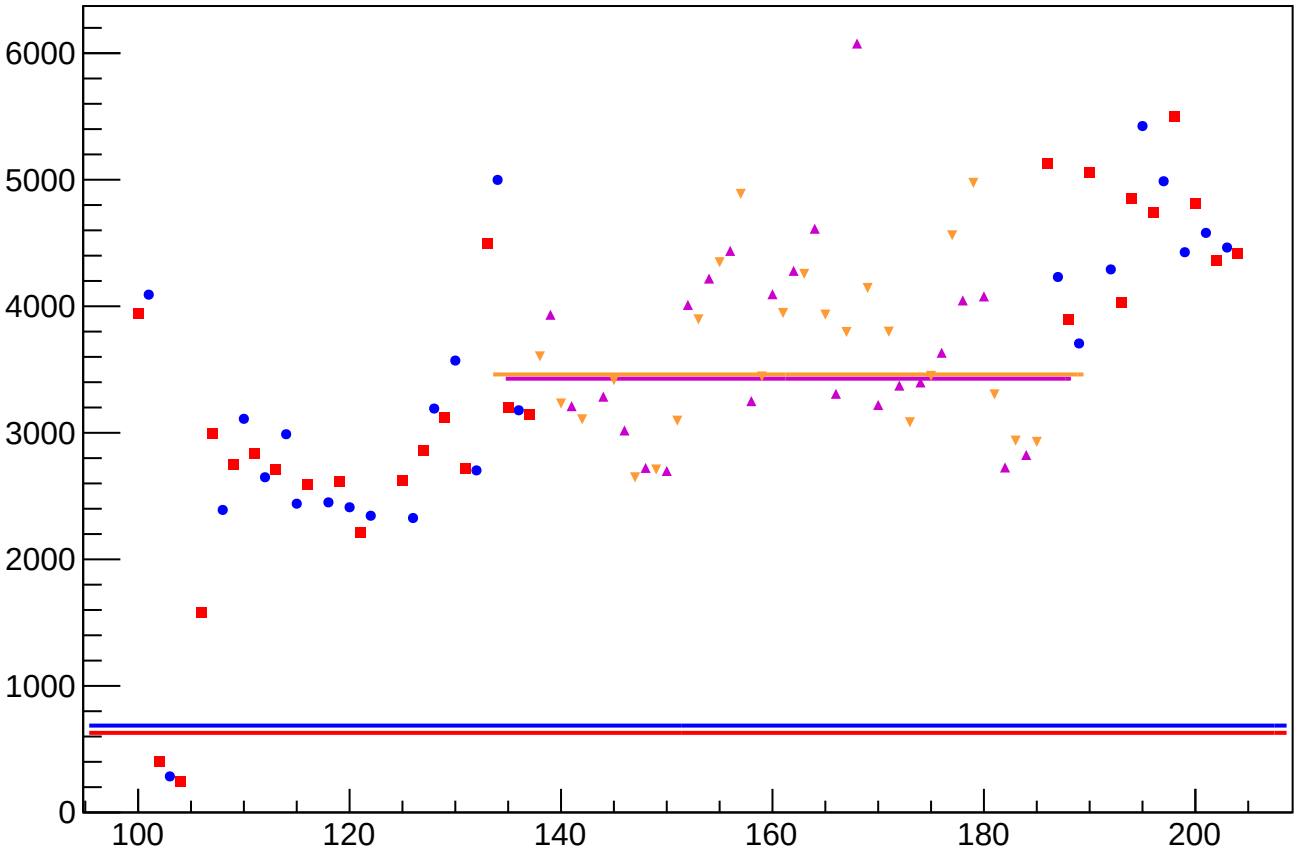
Right: 1134.991+/-0.153 χ^2/NDF: 852303.2/51

In: 1113.016+/-0.141 χ^2/NDF:685641.2/46

Out: 1116.730+/-0.137 χ^2/NDF:306615.4/51

All: 1114.925+/-0.098 χ^2/NDF: 992613.6/98


asym_us_avg_atlr_avg_dd_reg_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
120
140
160
180
200
Right In: 32.162+/-351.156 χ²/NDF: 27.1/23
Left Out: 277.507+/-820.501 χ²/NDF:29.9/23
Right Out: -62.929+/-316.511 χ²/NDF: 28.0/27
Left In: 94.734+/-817.223 χ²/NDF:13.7/22
Left: 185.755+/-579.019 χ²/NDF: 43.6/46
Right: -20.304+/-235.104 χ²/NDF: 55.1/51
In: 41.915+/-322.632 χ²/NDF:40.7/46
Out: -18.832+/-295.301 χ²/NDF:58.0/51
All: 8.860+/-217.832 χ²/NDF: 98.8/98



Right In: 686.413+/-0.248 χ^2/NDF: 18573673.5/23

Left Out: 3461.259+/-0.580 χ^2/NDF:1058687.1/23

Right Out: 629.063+/-0.224 χ^2/NDF: 20993889.0/27

Left In: 3427.860+/-0.578 χ^2/NDF:1243133.8/22

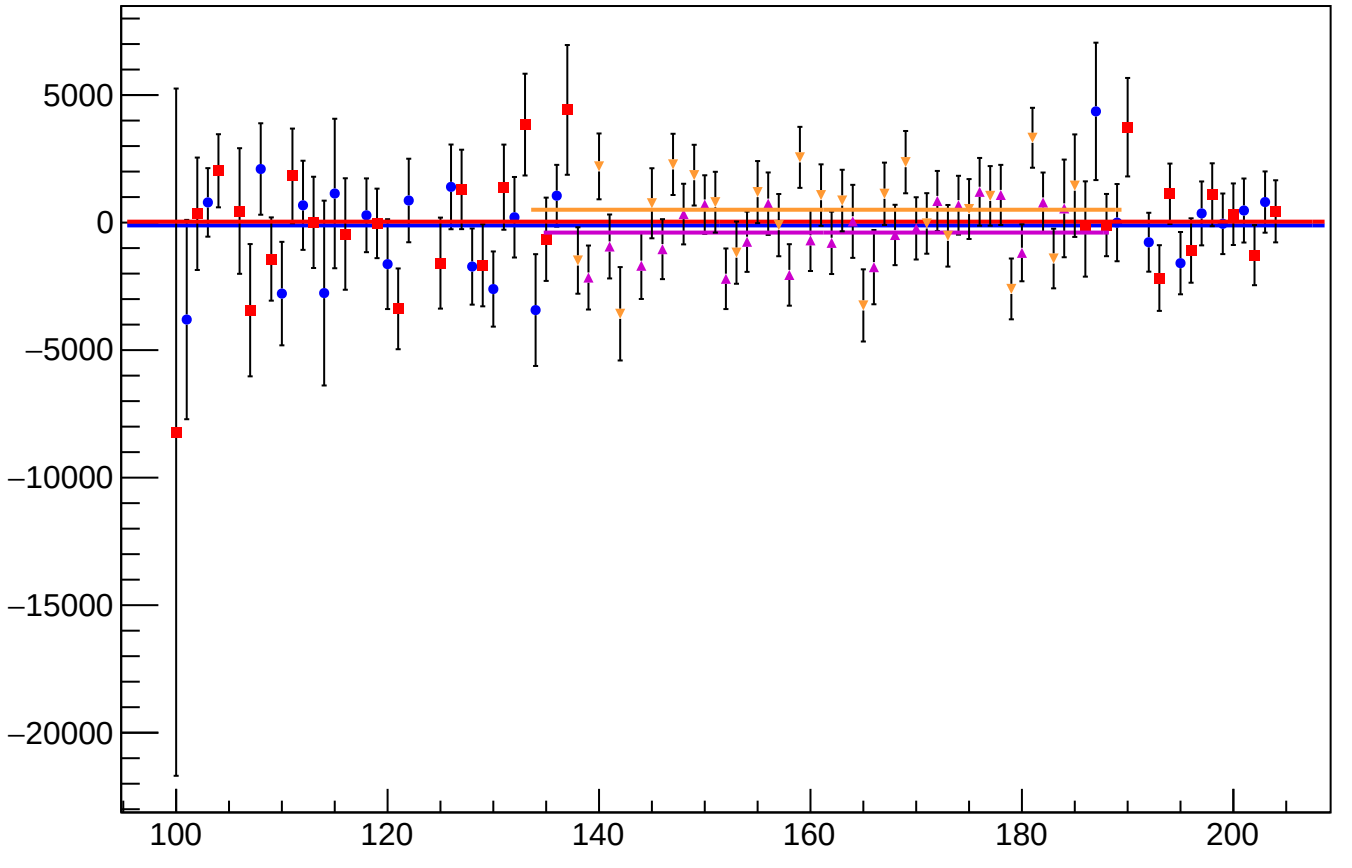
Left: 3444.493+/-0.409 χ^2/NDF: 2303484.4/46

Right: 654.770+/-0.166 χ^2/NDF: 39596995.8/51

In: 1113.695+/-0.228 χ^2/NDF:38815477.6/46

Out: 995.919+/-0.209 χ^2/NDF:42795584.1/51

All: 1049.608+/-0.154 χ^2/NDF: 81756085.9/9



Right In: -110.799+/-314.680 χ^2/NDF: 20.3/23

Left Out: 503.679+/-255.531 χ^2/NDF:44.6/23

Right Out: 36.383+/-297.488 χ^2/NDF: 31.1/27

Left In: -391.689+/-257.386 χ^2/NDF:17.8/22

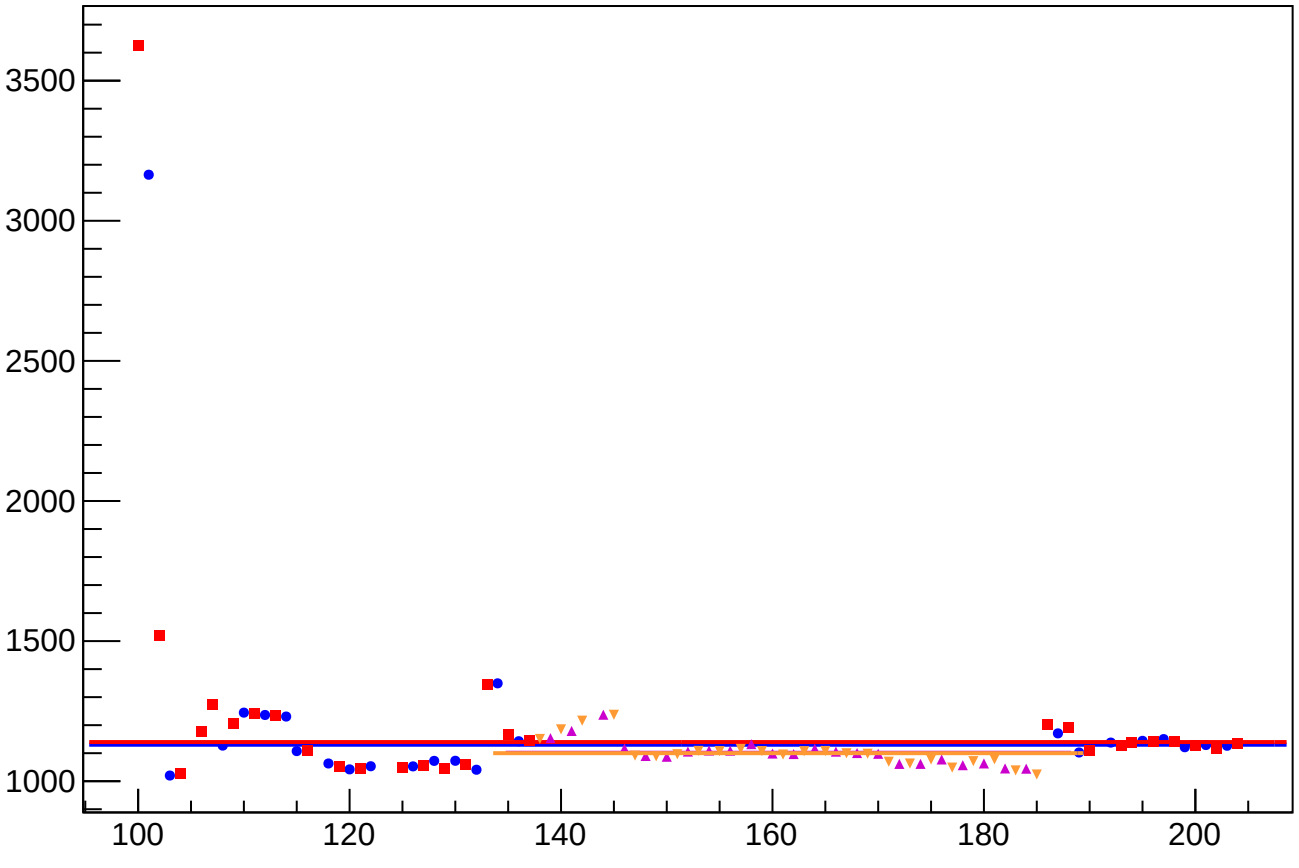
Left: 59.234+/-181.340 χ^2/NDF: 68.5/46

Right: -33.078+/-216.178 χ^2/NDF: 51.5/51

In: -279.096+/-199.230 χ^2/NDF:38.6/46

Out: 305.282+/-193.839 χ^2/NDF:77.1/51

All: 21.107+/-138.932 χ^2/NDF: 120.1/98



Right In: 1130.185+/-0.223 χ^2/NDF: 623559.3/23

Left Out: 1100.063+/-0.181 χ^2/NDF:58733.9/23

Right Out: 1139.739+/-0.210 χ^2/NDF: 228359.4/27

Left In: 1101.530+/-0.182 χ^2/NDF:52145.9/22

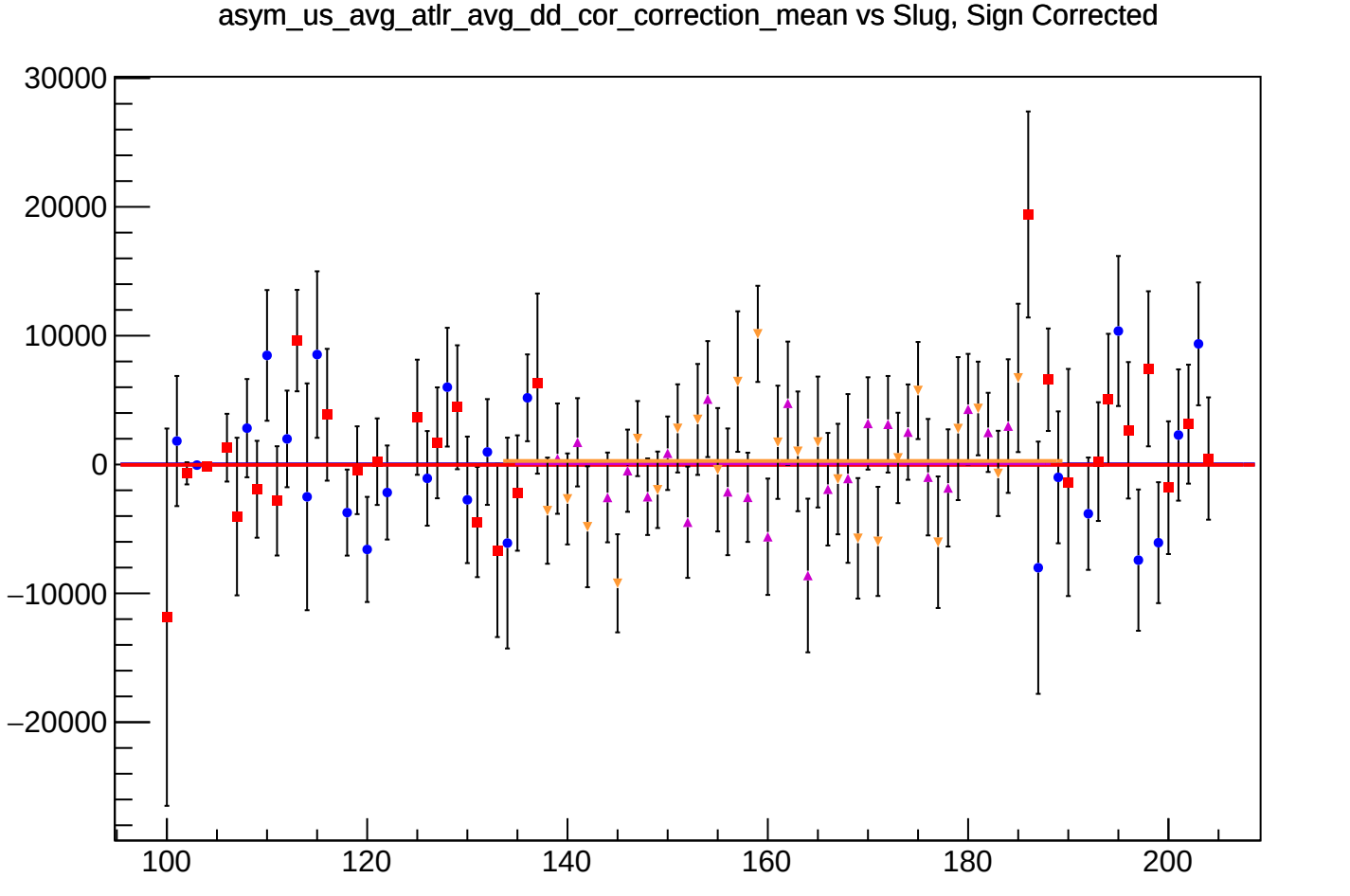
Left: 1100.791+/-0.128 χ^2/NDF: 110912.5/46

Right: 1135.232+/-0.153 χ^2/NDF: 852892.4/51

In: 1113.016+/-0.141 χ^2/NDF:685642.2/46

Out: 1116.913+/-0.137 χ^2/NDF:307570.6/51

All: 1115.018+/-0.098 χ^2/NDF: 993606.1/98



Right In: 16.491+/-338.708 χ^2/NDF: 27.1/23

Left Out: 277.536+/-820.502 χ^2/NDF:29.9/23

Right Out: -23.410+/-311.614 χ^2/NDF: 26.3/27

Left In: 94.742+/-817.222 χ^2/NDF:13.7/22

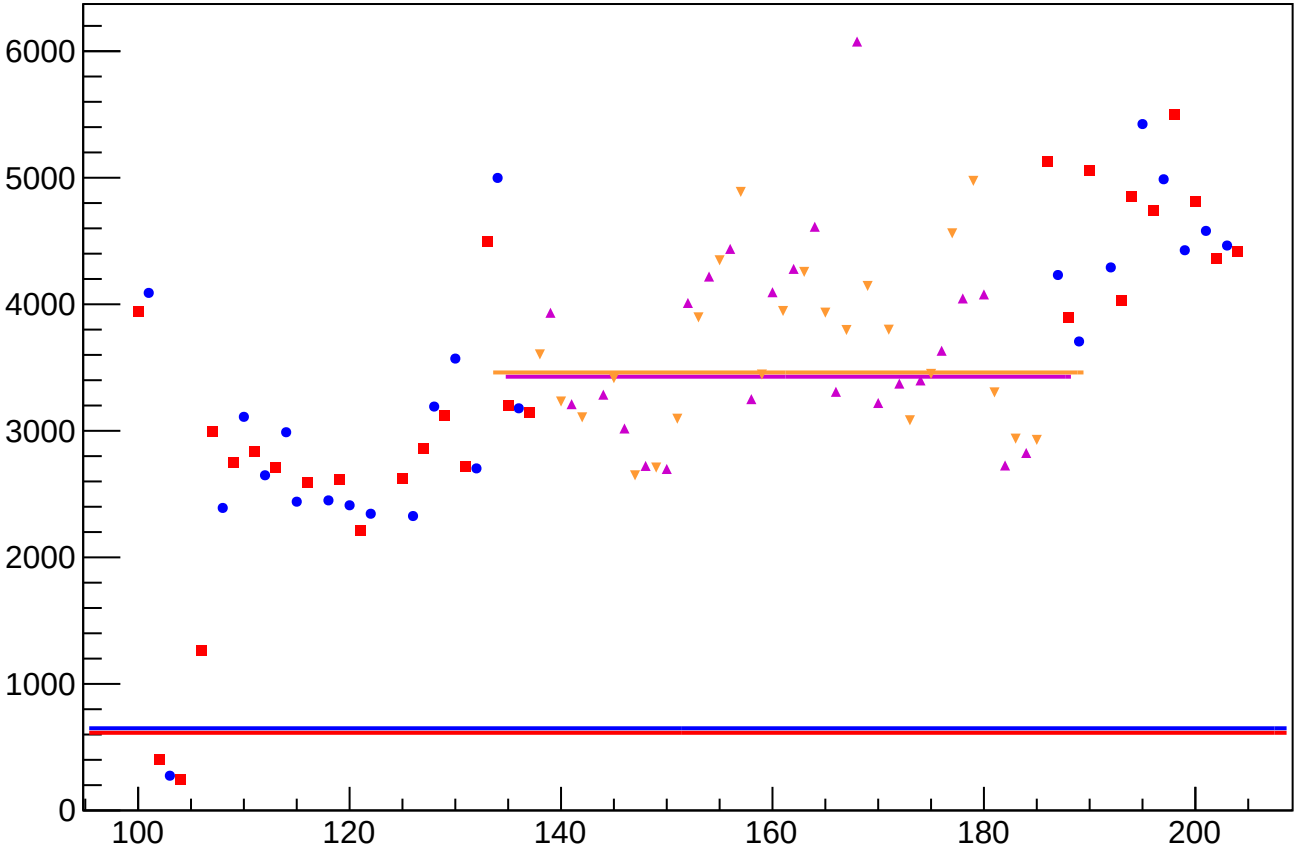
Left: 185.773+/-579.019 χ^2/NDF: 43.6/46

Right: -5.119+/-229.325 χ^2/NDF: 53.3/51

In: 27.962+/-312.898 χ^2/NDF:40.7/46

Out: 14.526+/-291.312 χ^2/NDF:56.3/51

All: 20.765+/-213.212 χ^2/NDF: 97.0/98



Right In: 649.419+/-0.240 χ^2/NDF: 18873517.5/23

Left Out: 3461.261+/-0.580 χ^2/NDF:1058691.8/23

Right Out: 613.673+/-0.220 χ^2/NDF: 20995522.5/27

Left In: 3427.857+/-0.578 χ^2/NDF:1243147.4/22

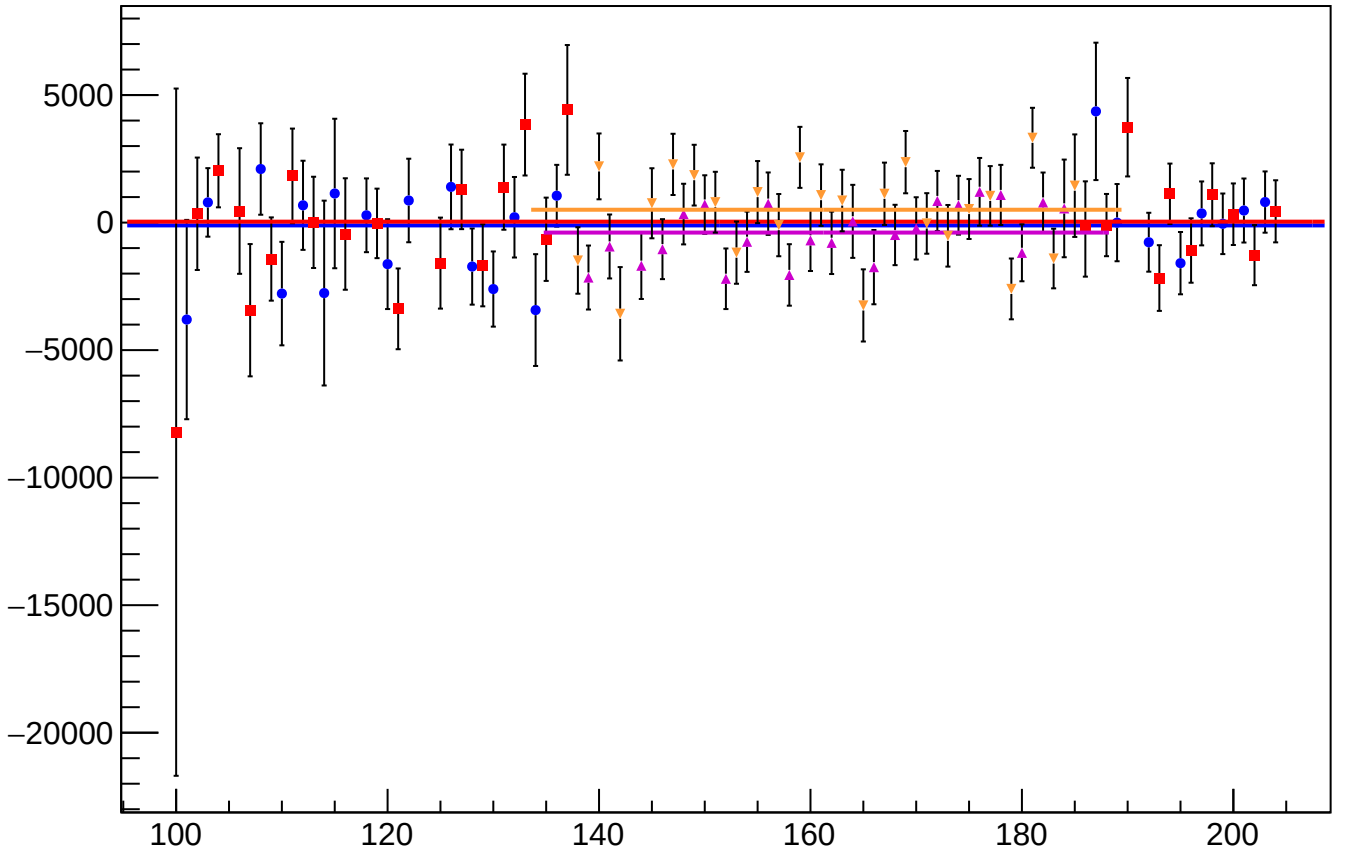
Left: 3444.492+/-0.409 χ^2/NDF: 2303503.3/46

Right: 630.059+/-0.162 χ^2/NDF: 39881104.4/51

In: 1056.729+/-0.221 χ^2/NDF:39845675.0/46

Out: 972.624+/-0.206 χ^2/NDF:43107012.2/51

All: 1011.676+/-0.151 χ^2/NDF: 83030092.9/9



Right In: -110.799+/-314.680 χ^2/NDF: 20.3/23

Left Out: 503.679+/-255.531 χ^2/NDF:44.6/23

Right Out: 36.383+/-297.488 χ^2/NDF: 31.1/27

Left In: -391.689+/-257.386 χ^2/NDF:17.8/22

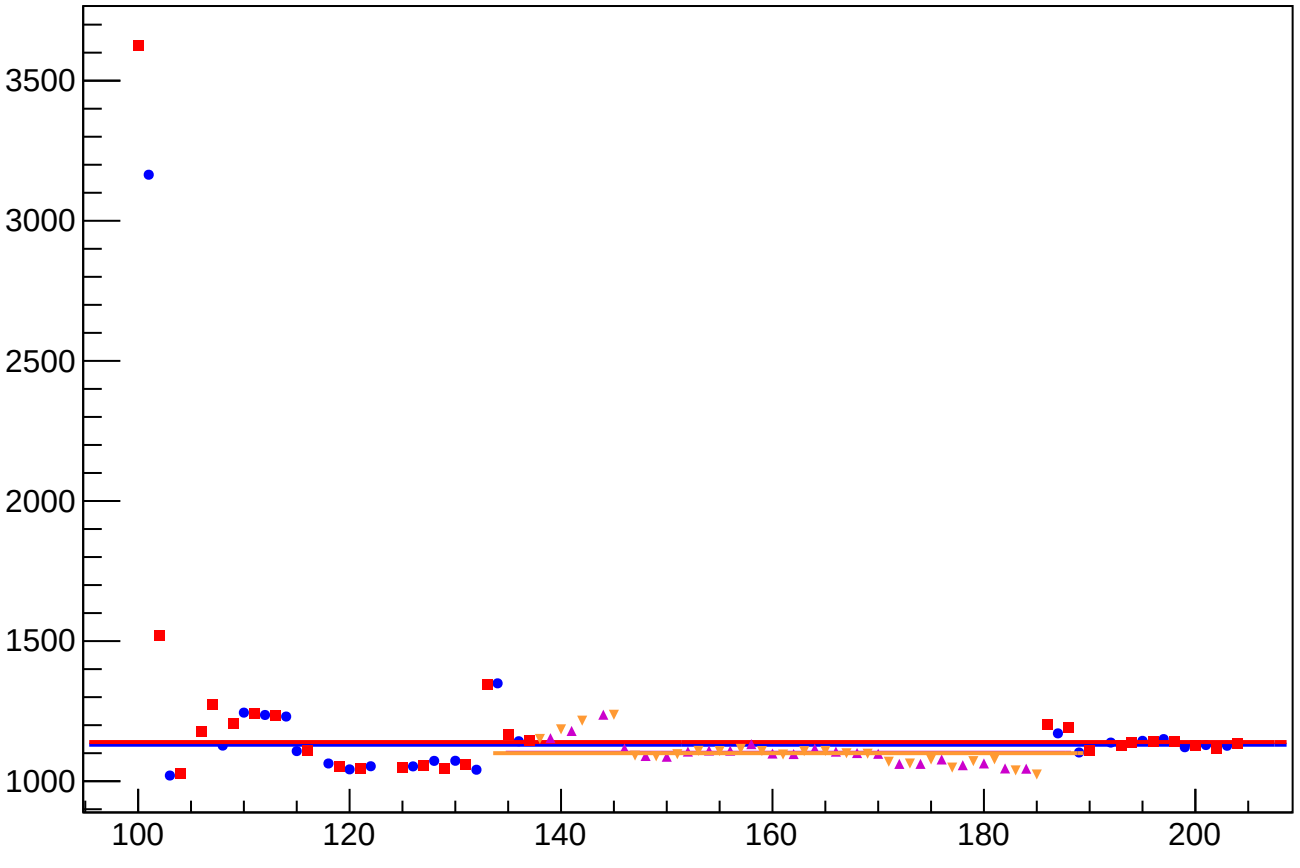
Left: 59.234+/-181.340 χ^2/NDF: 68.5/46

Right: -33.078+/-216.178 χ^2/NDF: 51.5/51

In: -279.096+/-199.230 χ^2/NDF:38.6/46

Out: 305.282+/-193.839 χ^2/NDF:77.1/51

All: 21.107+/-138.932 χ^2/NDF: 120.1/98



Right In: 1130.185+/-0.223 χ^2/NDF: 623559.3/23

Left Out: 1100.063+/-0.181 χ^2/NDF:58733.9/23

Right Out: 1139.739+/-0.210 χ^2/NDF: 228359.4/27

Left In: 1101.530+/-0.182 χ^2/NDF:52145.9/22

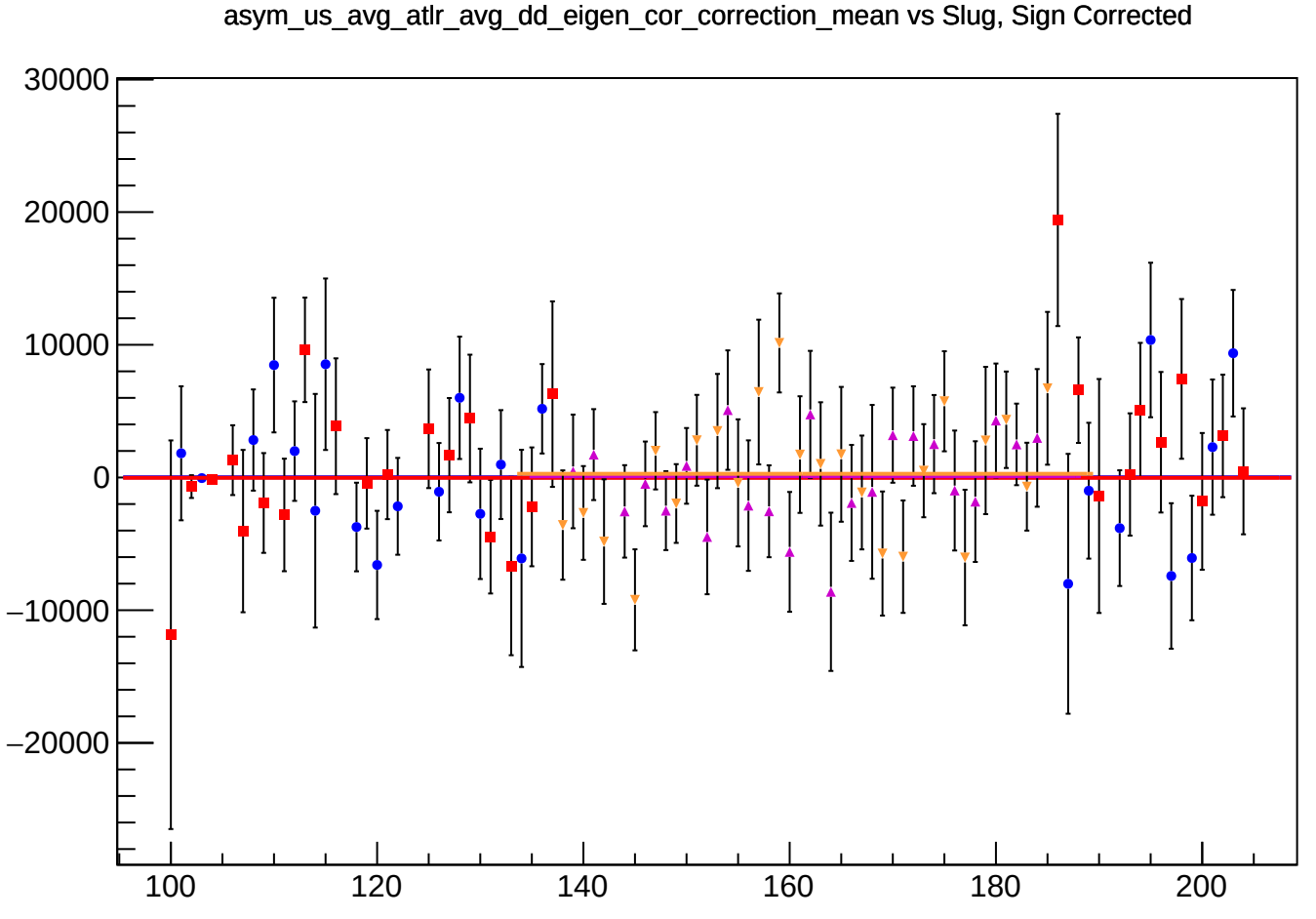
Left: 1100.791+/-0.128 χ^2/NDF: 110912.5/46

Right: 1135.232+/-0.153 χ^2/NDF: 852892.4/51

In: 1113.016+/-0.141 χ^2/NDF:685642.2/46

Out: 1116.913+/-0.137 χ^2/NDF:307570.6/51

All: 1115.018+/-0.098 χ^2/NDF: 993606.1/98



Right In: 16.491+/-338.708 χ^2/NDF: 27.1/23

Left Out: 277.536+/-820.502 χ^2/NDF:29.9/23

Right Out: -23.410+/-311.614 χ^2/NDF: 26.3/27

Left In: 94.742+/-817.222 χ^2/NDF:13.7/22

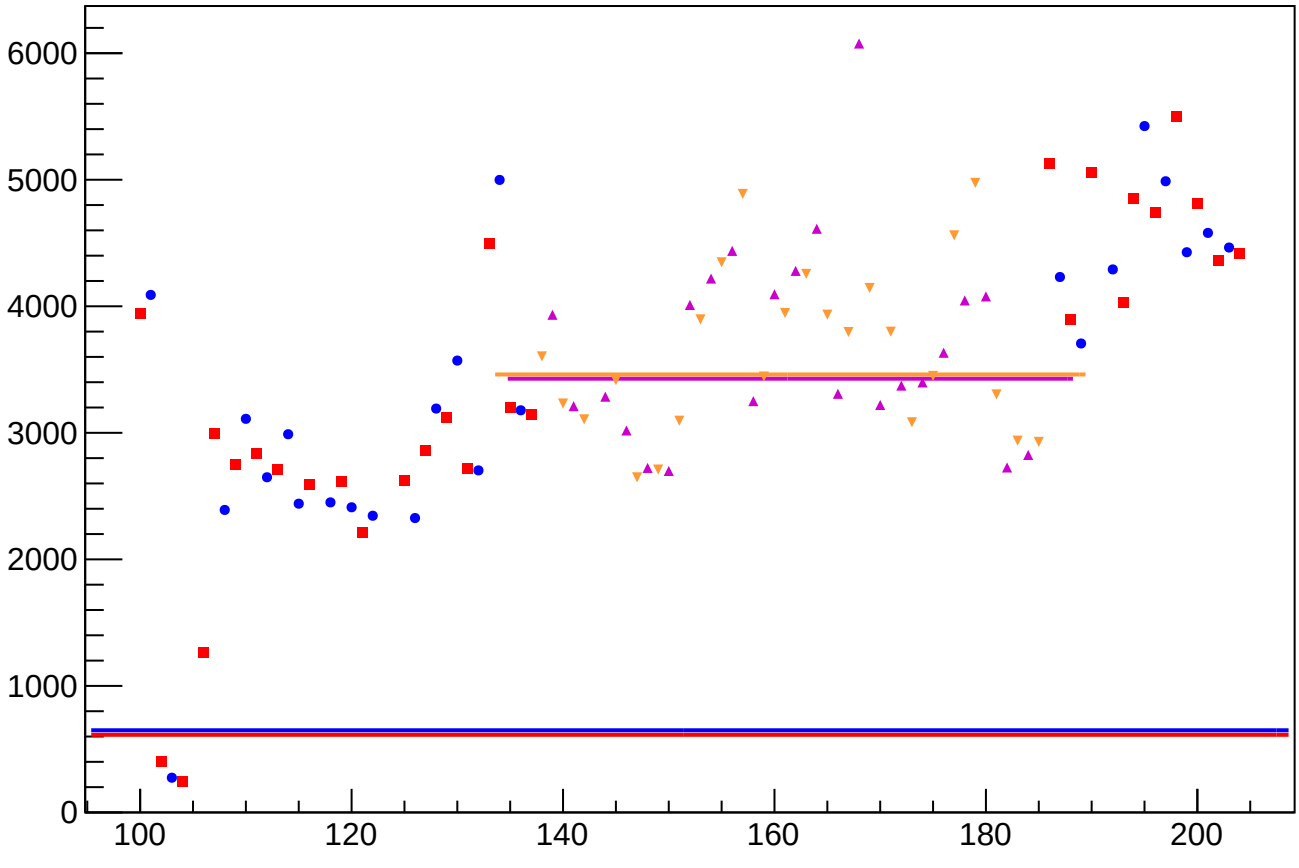
Left: 185.773+/-579.019 χ^2/NDF: 43.6/46

Right: -5.119+/-229.325 χ^2/NDF: 53.3/51

In: 27.962+/-312.898 χ^2/NDF:40.7/46

Out: 14.526+/-291.312 χ^2/NDF:56.3/51

All: 20.765+/-213.212 χ^2/NDF: 97.0/98



Right In: 649.419+/-0.240 χ^2/NDF: 18873517.5/23

Left Out: 3461.261+/-0.580 χ^2/NDF:1058691.8/23

Right Out: 613.673+/-0.220 χ^2/NDF: 20995522.5/27

Left In: 3427.857+/-0.578 χ^2/NDF:1243147.4/22

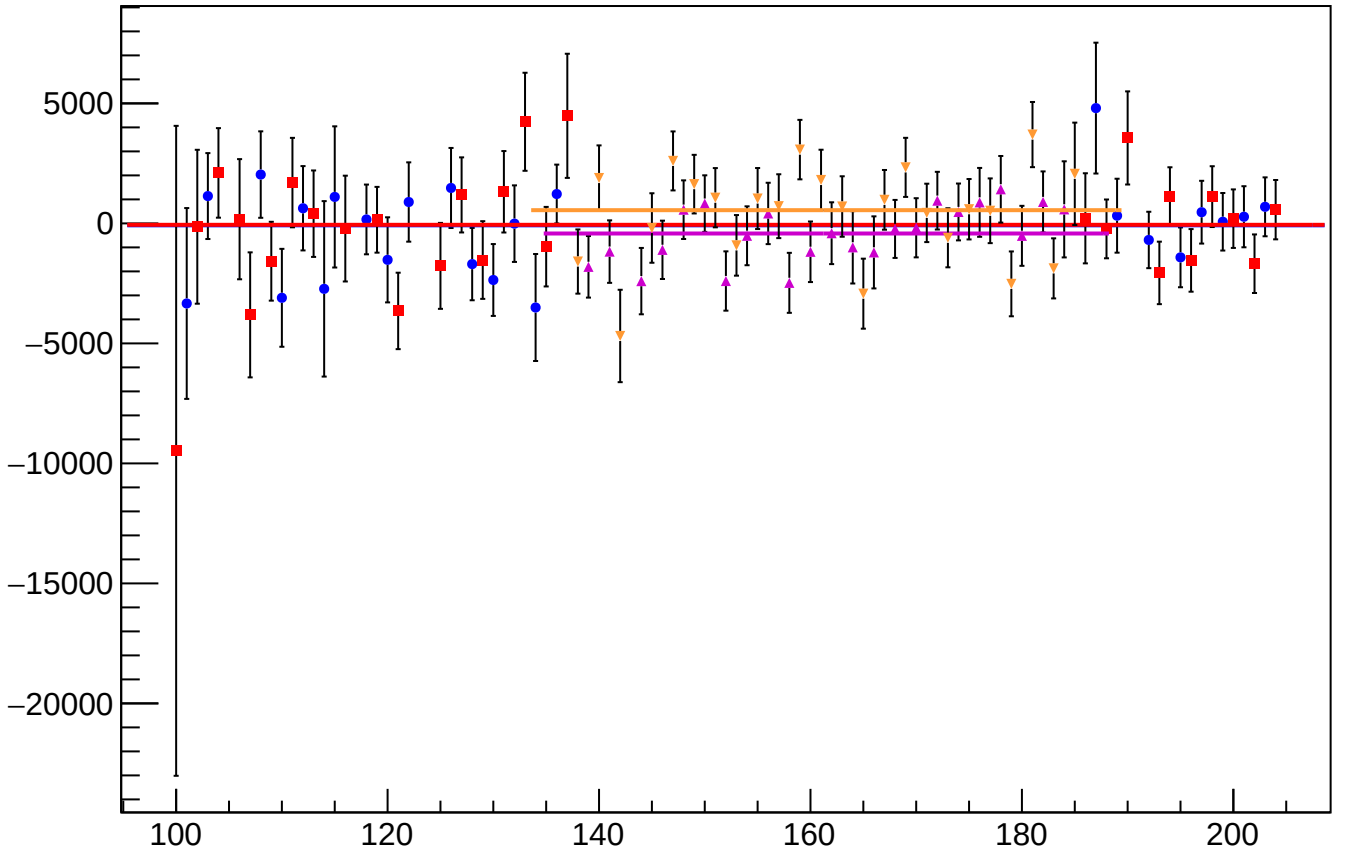
Left: 3444.492+/-0.409 χ^2/NDF: 2303503.3/46

Right: 630.059+/-0.162 χ^2/NDF: 39881104.4/51

In: 1056.729+/-0.221 χ^2/NDF:39845675.0/46

Out: 972.624+/-0.206 χ^2/NDF:43107012.2/51

All: 1011.676+/-0.151 χ^2/NDF: 83030092.9/9



Right In: -80.032+/-322.931 χ^2/NDF: 19.8/23

Left Out: 550.661+/-269.206 χ^2/NDF:45.2/23

Right Out: -59.048+/-305.561 χ^2/NDF: 32.8/27

Left In: -421.023+/-269.815 χ^2/NDF:18.0/22

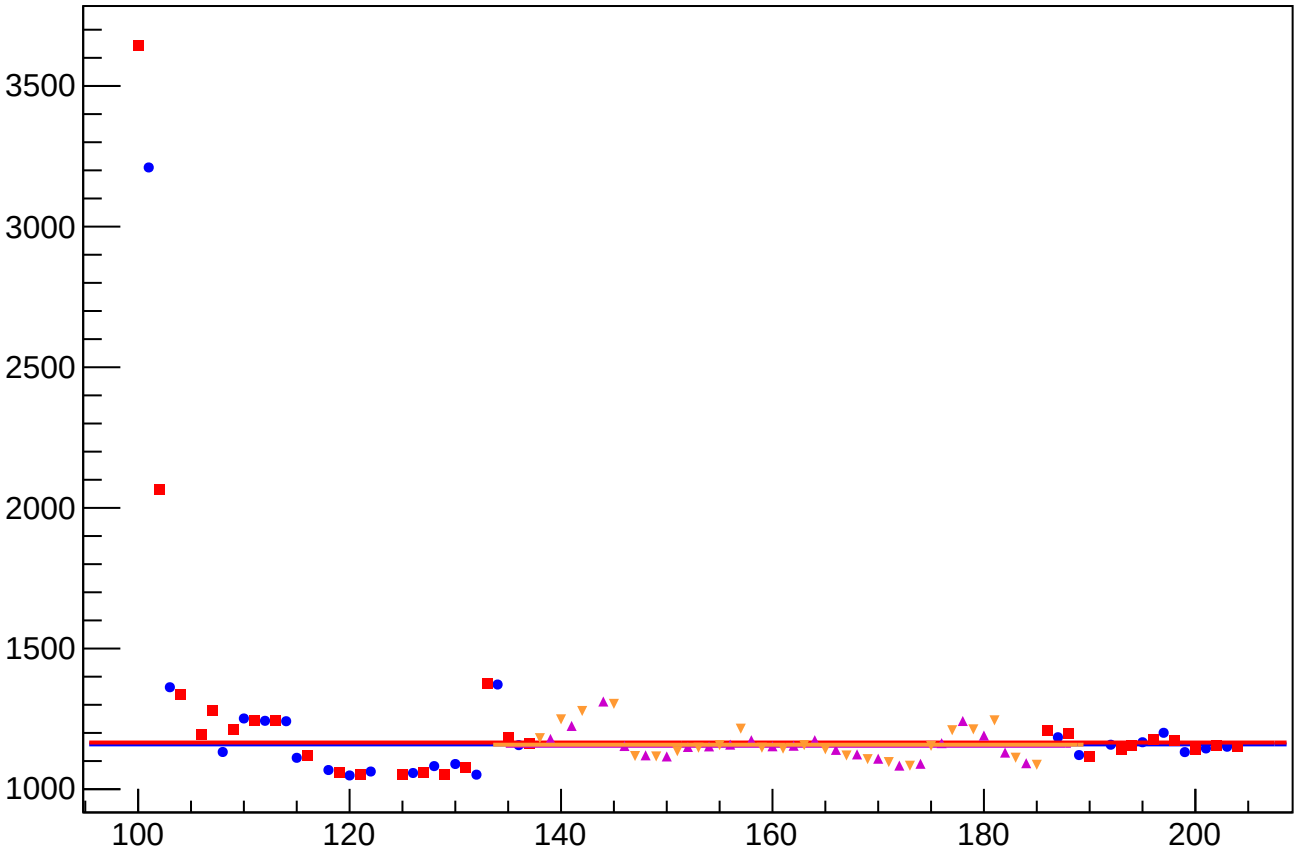
Left: 65.917+/-190.572 χ^2/NDF: 69.7/46

Right: -68.961+/-221.951 χ^2/NDF: 52.5/51

In: -280.840+/-207.055 χ^2/NDF:38.4/46

Out: 284.217+/-201.994 χ^2/NDF:80.2/51

All: 8.678+/-144.587 χ^2/NDF: 122.5/98



Right In: 1159.298+/-0.228 χ^2/NDF: 640330.2/23

Left Out: 1158.177+/-0.190 χ^2/NDF:84111.8/23

Right Out: 1165.890+/-0.216 χ^2/NDF: 338159.5/27

Left In: 1154.231+/-0.191 χ^2/NDF:66476.9/22

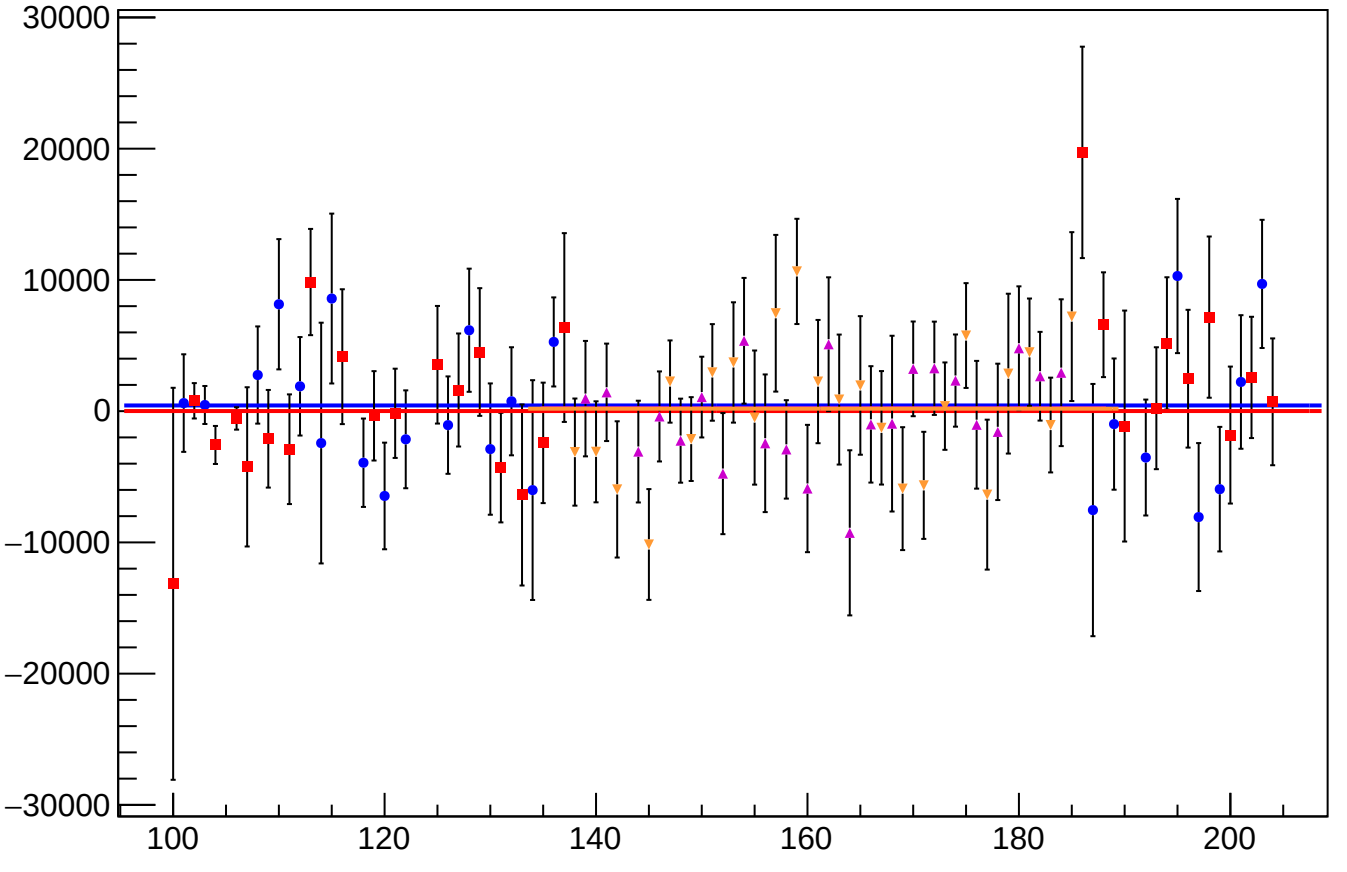
Left: 1156.208+/-0.135 χ^2/NDF: 150803.1/46

Right: 1162.777+/-0.157 χ^2/NDF: 978929.6/51

In: 1156.314+/-0.146 χ^2/NDF:707097.1/46

Out: 1161.548+/-0.143 χ^2/NDF:422989.0/51

All: 1158.996+/-0.102 χ^2/NDF: 1130741.2/98



Right In: 434.548+/-791.502 χ^2/NDF: 26.6/23

Left Out: 189.735+/-869.432 χ^2/NDF:29.3/23

Right Out: 8.426+/-535.367 χ^2/NDF: 29.0/27

Left In: 221.361+/-864.775 χ^2/NDF:13.4/22

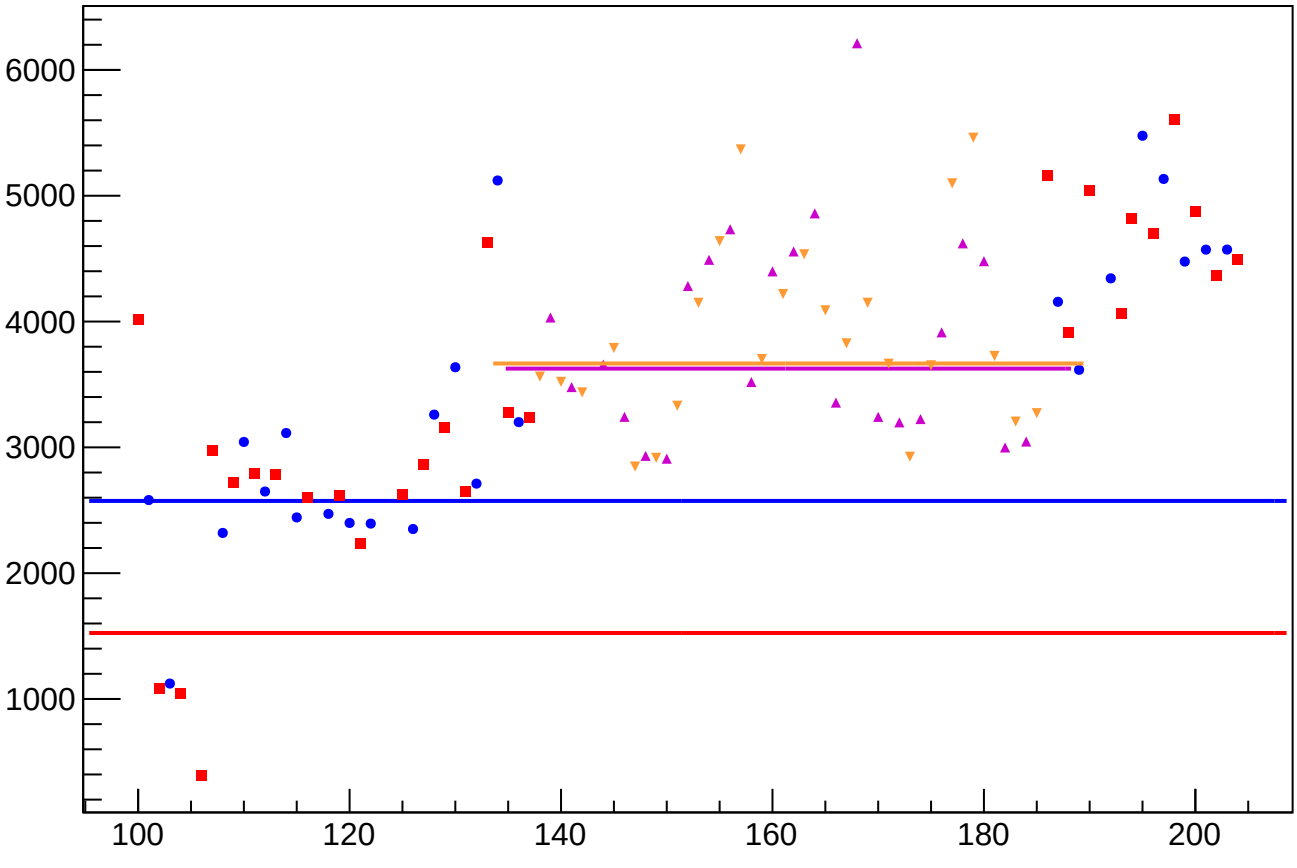
Left: 205.633+/-613.128 χ^2/NDF: 42.7/46

Right: 142.185+/-443.451 χ^2/NDF: 55.8/51

In: 337.368+/-583.865 χ^2/NDF:40.0/46

Out: 58.272+/-455.872 χ^2/NDF:58.3/51

All: 163.976+/-359.320 χ^2/NDF: 98.5/98



Right In: 2574.182+/-0.560 χ^2/NDF: 4780142.8/23

Left Out: 3666.536+/-0.615 χ^2/NDF:1095831.4/23

Right Out: 1524.504+/-0.379 χ^2/NDF: 13443685.1/27

Left In: 3625.940+/-0.611 χ^2/NDF:1257928.4/22

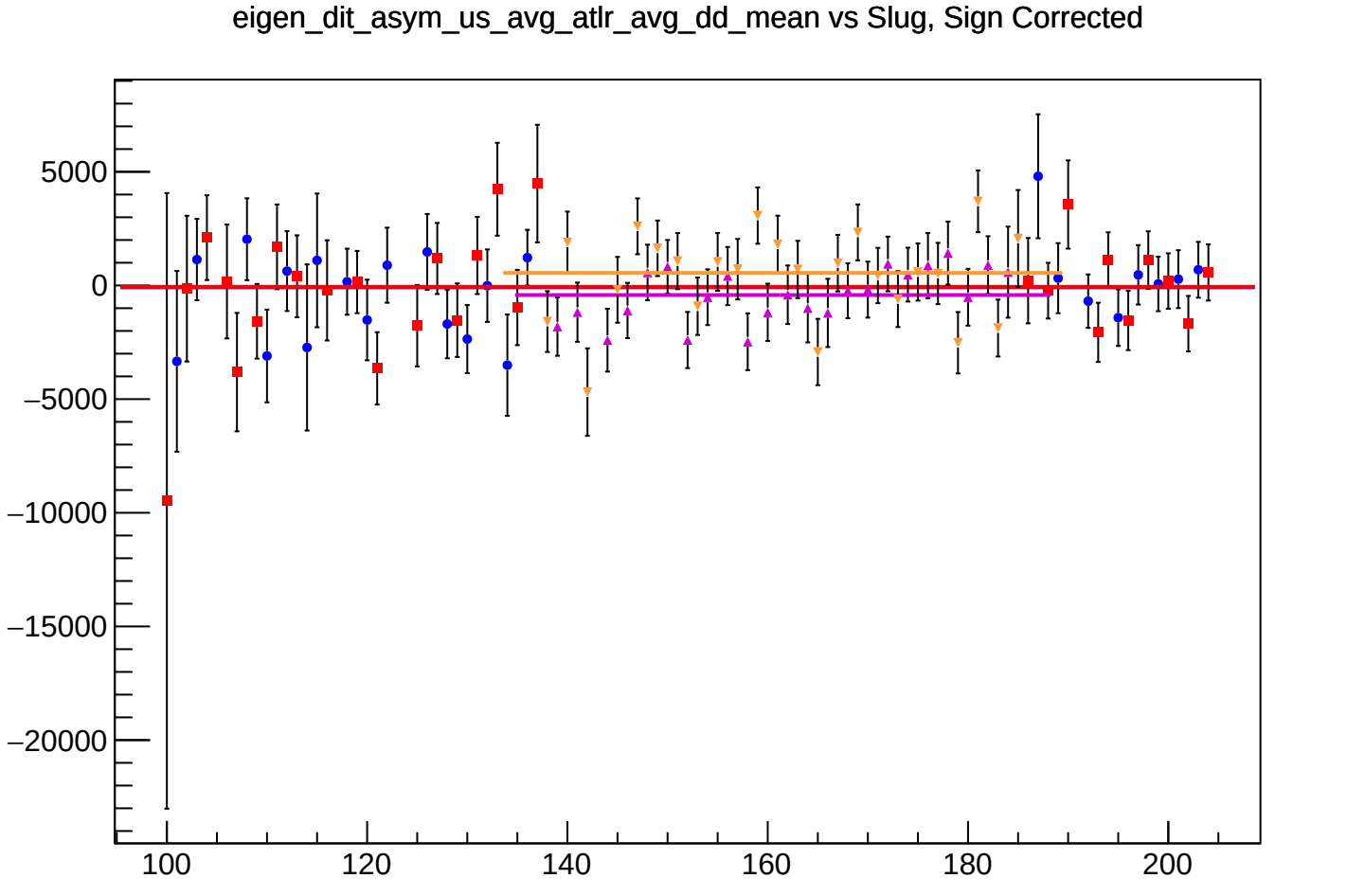
Left: 3646.129+/-0.434 χ^2/NDF: 2355951.7/46

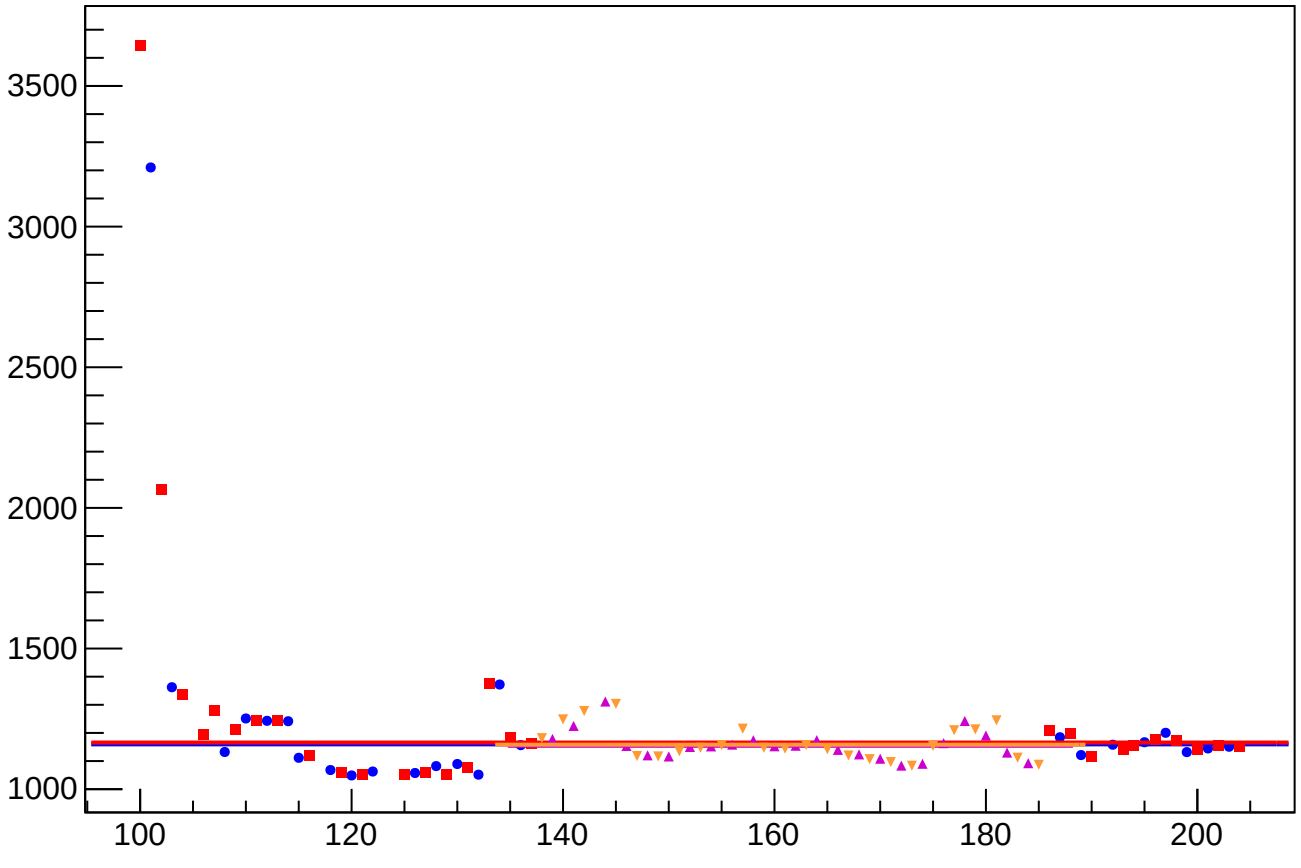
Right: 1853.995+/-0.314 χ^2/NDF: 20637218.6/51

In: 3053.622+/-0.413 χ^2/NDF:7647889.6/46

Out: 2113.401+/-0.322 χ^2/NDF:23341760.9/51

All: 2469.497+/-0.254 χ^2/NDF: 34211762.7/9


eigen_dit_asym_us_avg_atlr_avg_dd_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
100
120
140
160
180
200
Right In: -80.030+/-322.931 χ²/NDF: 19.8/23
Left Out: 550.663+/-269.206 χ²/NDF:45.2/23
Right Out: -59.050+/-305.561 χ²/NDF: 32.8/27
Left In: -421.022+/-269.815 χ²/NDF:18.0/22
Left: 65.918+/-190.573 χ²/NDF: 69.7/46
Right: -68.961+/-221.951 χ²/NDF: 52.5/51
In: -280.838+/-207.055 χ²/NDF:38.4/46
Out: 284.217+/-201.994 χ²/NDF:80.2/51
All: 8.679+/-144.587 χ²/NDF: 122.5/98



Right In: 1159.298+/-0.228 χ^2/NDF: 640330.4/23

Left Out: 1158.178+/-0.190 χ^2/NDF:84114.3/23

Right Out: 1165.890+/-0.216 χ^2/NDF: 338159.2/27

Left In: 1154.232+/-0.191 χ^2/NDF:66479.5/22

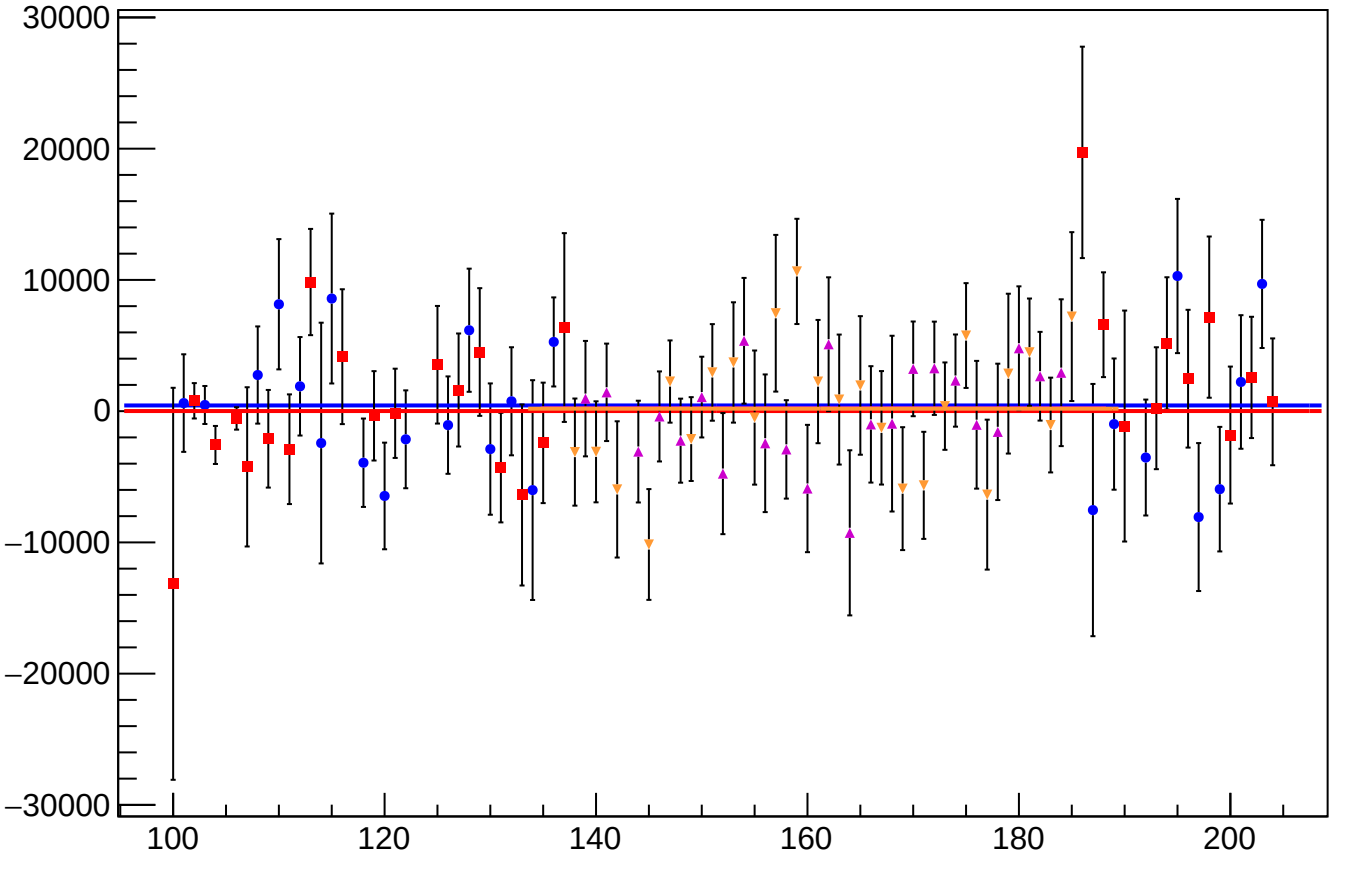
Left: 1156.209+/-0.135 χ^2/NDF: 150808.1/46

Right: 1162.777+/-0.157 χ^2/NDF: 978929.5/51

In: 1156.314+/-0.146 χ^2/NDF:707099.8/46

Out: 1161.549+/-0.143 χ^2/NDF:422991.0/51

All: 1158.997+/-0.102 χ^2/NDF: 1130745.8/98



Right In: 434.543+/-791.501 χ^2/NDF: 26.6/23

Left Out: 189.735+/-869.434 χ^2/NDF:29.3/23

Right Out: 8.416+/-535.361 χ^2/NDF: 29.0/27

Left In: 221.363+/-864.776 χ^2/NDF:13.4/22

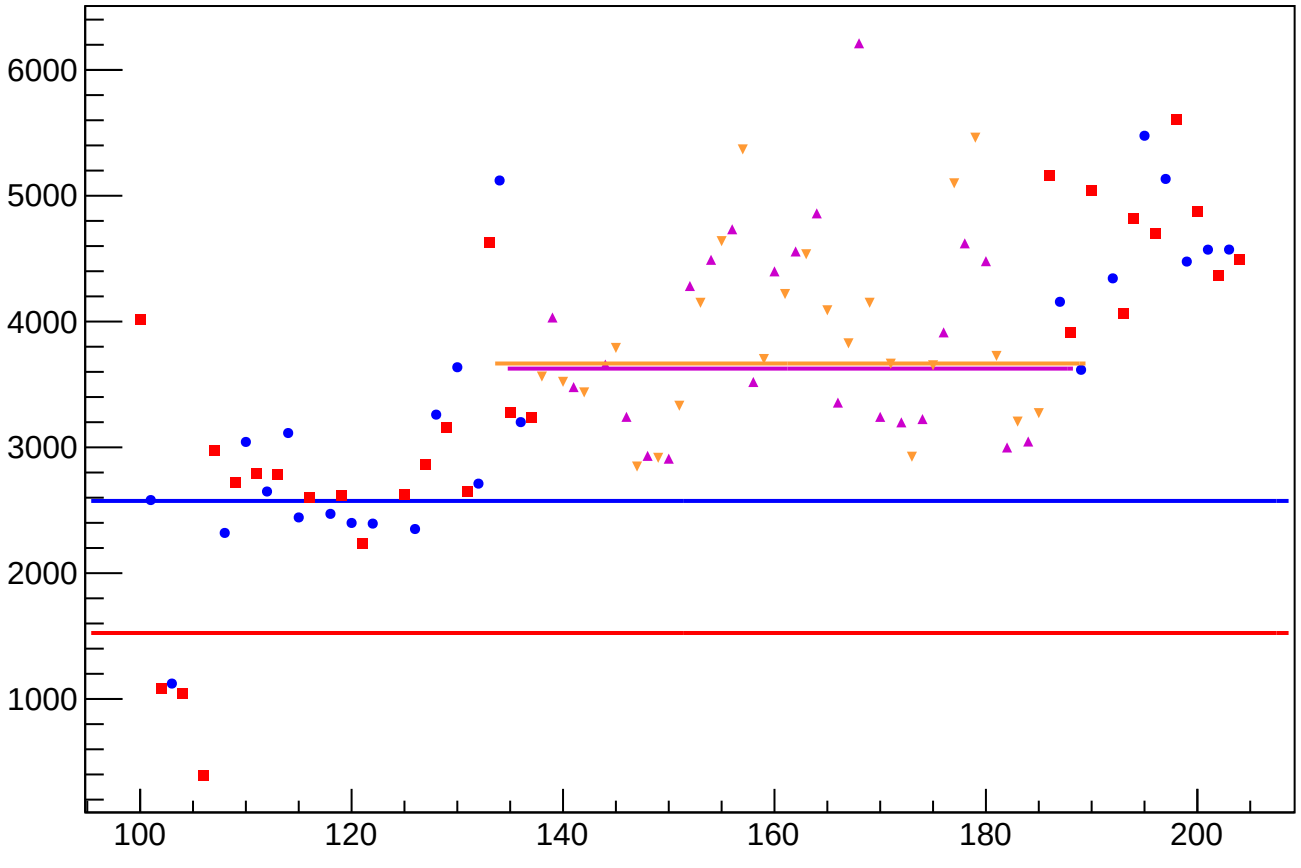
Left: 205.634+/-613.129 χ^2/NDF: 42.7/46

Right: 142.174+/-443.448 χ^2/NDF: 55.8/51

In: 337.366+/-583.865 χ^2/NDF:40.0/46

Out: 58.264+/-455.868 χ^2/NDF:58.3/51

All: 163.969+/-359.318 χ^2/NDF: 98.5/98



Right In: 2574.178+/-0.560 χ^2/NDF: 4780157.1/23

Left Out: 3666.541+/-0.615 χ^2/NDF:1095834.2/23

Right Out: 1524.475+/-0.379 χ^2/NDF: 13443941.8/27

Left In: 3625.945+/-0.611 χ^2/NDF:1257933.0/22

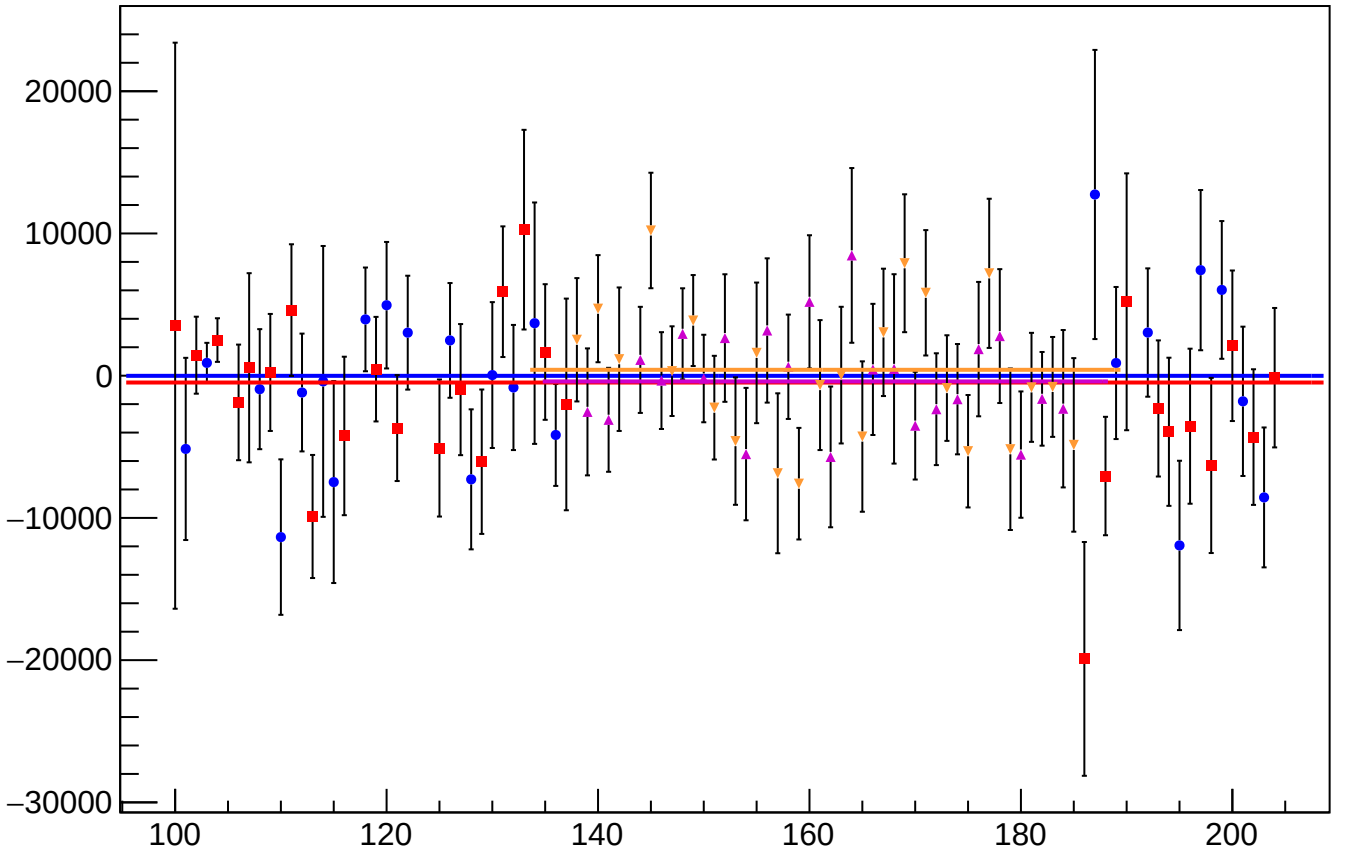
Left: 3646.134+/-0.434 χ^2/NDF: 2355959.1/46

Right: 1853.970+/-0.314 χ^2/NDF: 20637624.2/51

In: 3053.621+/-0.413 χ^2/NDF:7647933.2/46

Out: 2113.372+/-0.322 χ^2/NDF:23342330.7/51

All: 2469.475+/-0.254 χ^2/NDF: 34212589.8/9



Right In: -9.923+/-829.485 χ^2/NDF: 26.3/23

Left Out: 413.494+/-865.331 χ^2/NDF:27.2/23

Right Out: -480.610+/-792.995 χ^2/NDF: 29.5/27

Left In: -403.543+/-862.437 χ^2/NDF:12.3/22

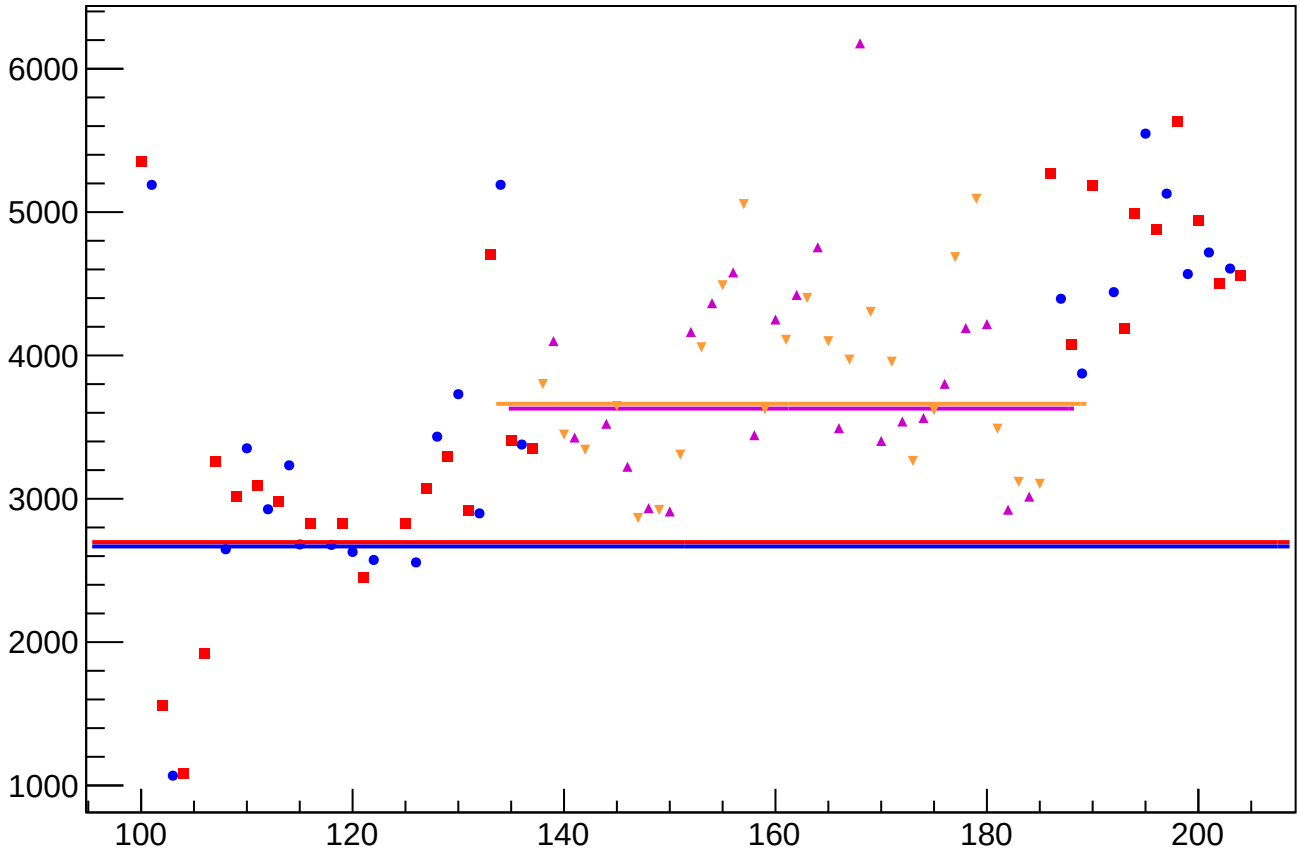
Left: 3.607+/-610.856 χ^2/NDF: 39.9/46

Right: -255.847+/-573.198 χ^2/NDF: 56.0/51

In: -199.069+/-597.845 χ^2/NDF:38.7/46

Out: -72.485+/-584.635 χ^2/NDF:57.3/51

All: -134.363+/-417.992 χ^2/NDF: 96.0/98



Right In: 2667.600+/-0.587 χ^2/NDF: 5575217.6/23

Left Out: 3662.662+/-0.612 χ^2/NDF:893468.3/23

Right Out: 2697.642+/-0.560 χ^2/NDF: 5880365.8/27

Left In: 3629.184+/-0.610 χ^2/NDF:1054949.6/22

Left: 3645.867+/-0.432 χ^2/NDF: 1949919.7/46

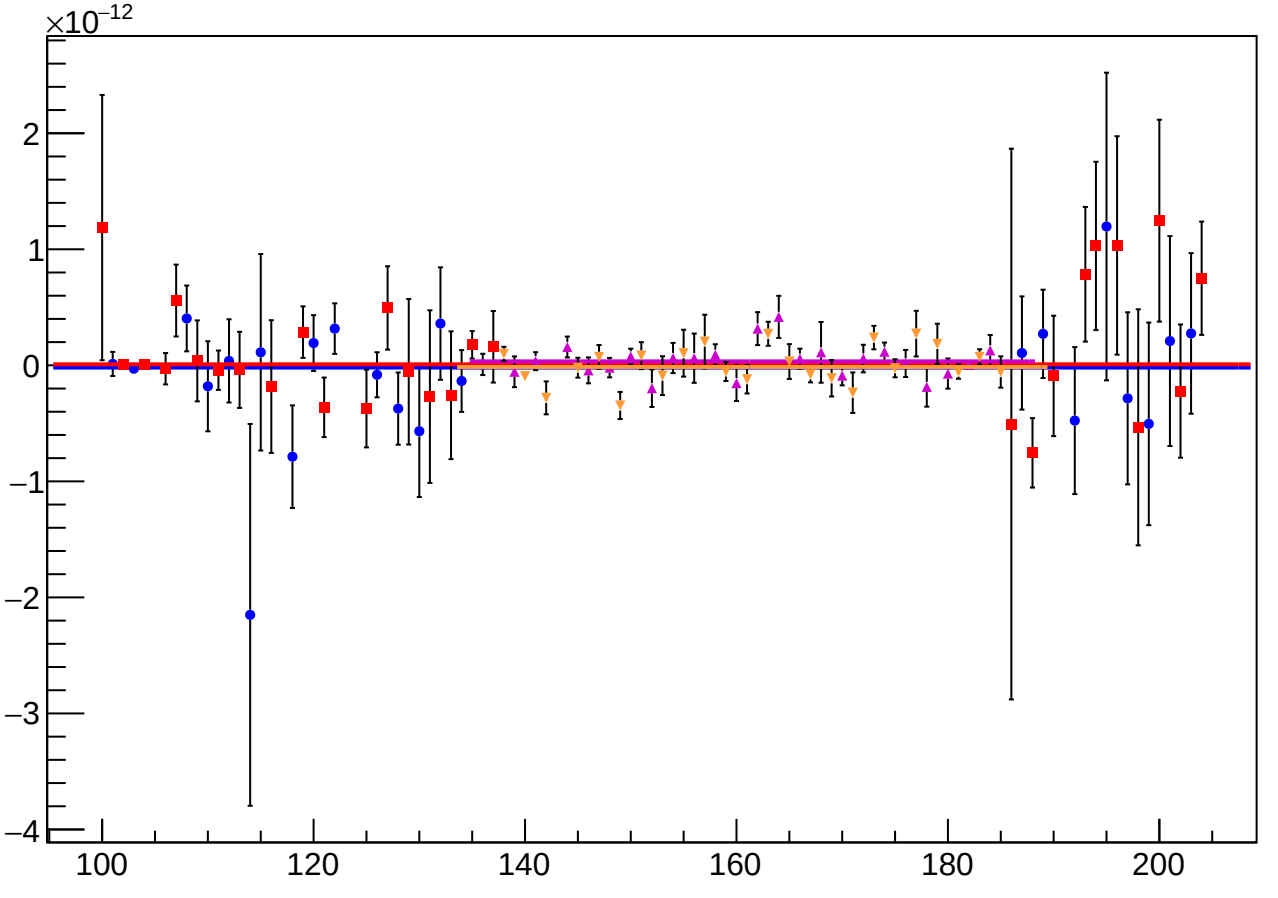
Right: 2683.324+/-0.405 χ^2/NDF: 11456956.5/51

In: 3129.670+/-0.423 χ^2/NDF:7921712.2/46

Out: 3137.240+/-0.413 χ^2/NDF:8128117.3/51

All: 3133.543+/-0.295 χ^2/NDF: 16049993.6/9

asym_us_avg_atlr_avg_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 16.4/23

Left Out: -0.000+/-0.000 χ^2/NDF:45.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 30.3/27

Left In: 0.000+/-0.000 χ^2/NDF:22.9/22

Left: 0.000+/-0.000 χ^2/NDF: 71.2/46

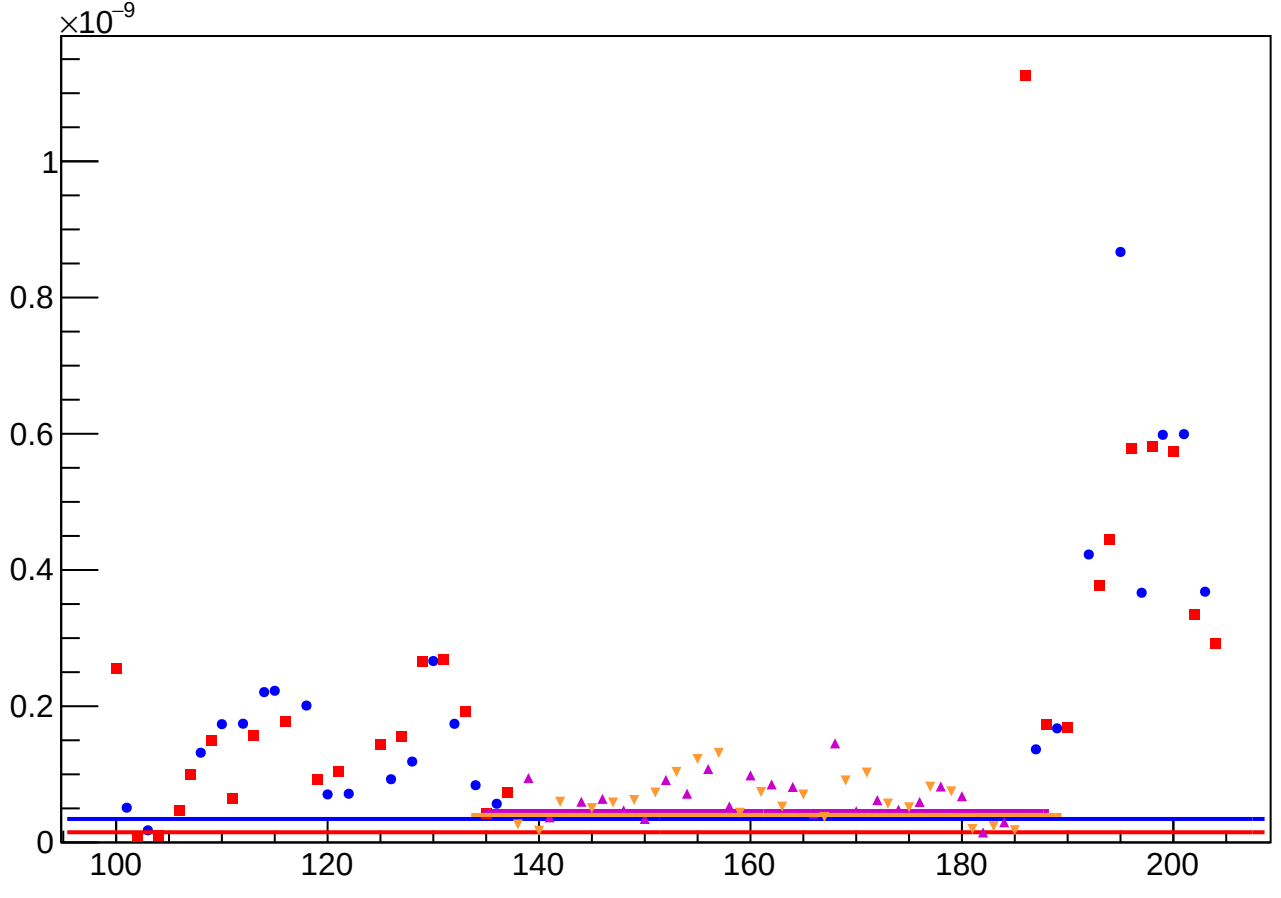
Right: 0.000+/-0.000 χ^2/NDF: 47.6/51

In: 0.000+/-0.000 χ^2/NDF:41.9/46

Out: -0.000+/-0.000 χ^2/NDF:76.5/51

All: 0.000+/-0.000 χ^2/NDF: 118.9/98

asym_us_avg_atlr_avg_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 7392110.4/23

Left Out: 0.000+/-0.000 χ^2/NDF:3432253.9/23

Right Out: 0.000+/-0.000 χ^2/NDF: 9772174.2/27

Left In: 0.000+/-0.000 χ^2/NDF:2954466.9/22

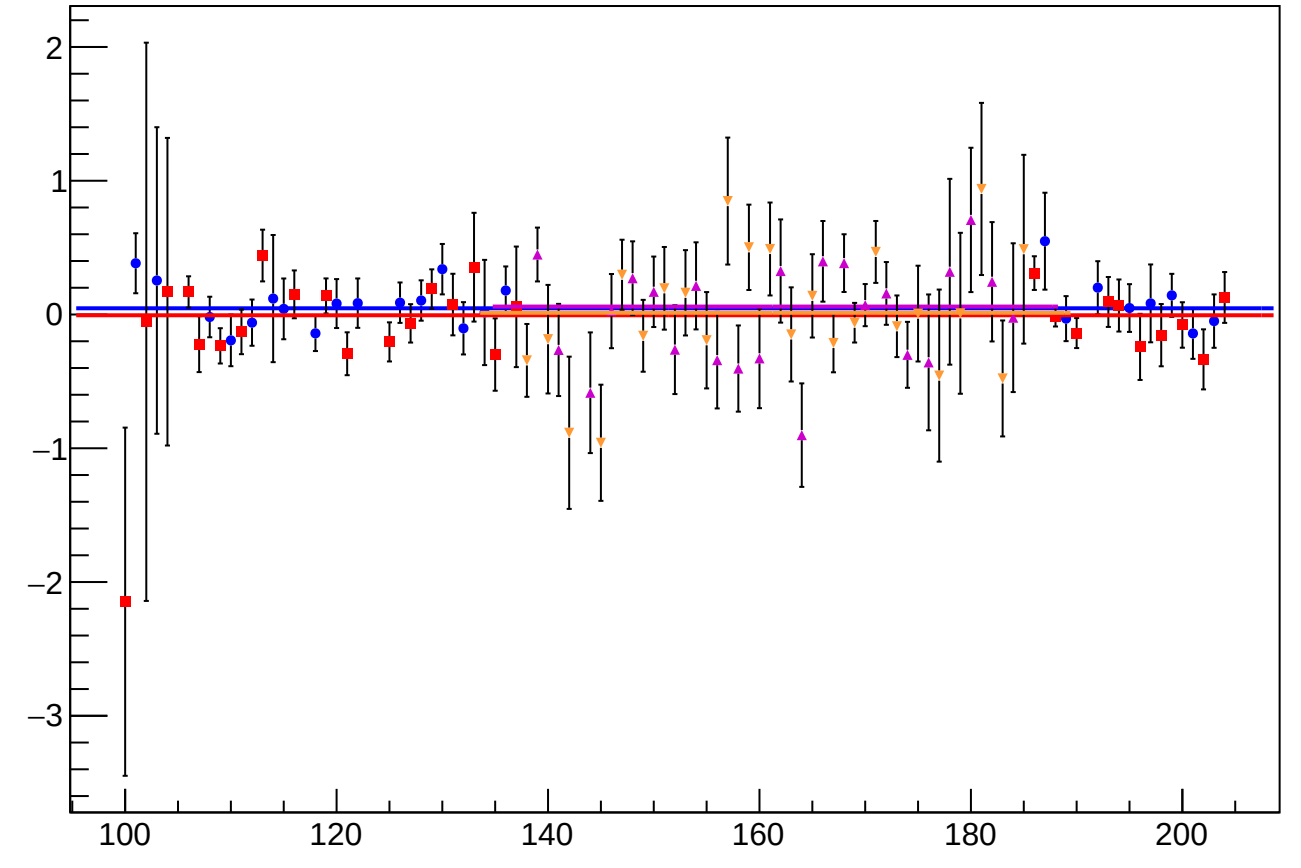
Left: 0.000+/-0.000 χ^2/NDF: 6474821.5/46

Right: 0.000+/-0.000 χ^2/NDF: 18048111.3/51

In: 0.000+/-0.000 χ^2/NDF:10608139.5/46

Out: 0.000+/-0.000 χ^2/NDF:15490345.6/51

All: 0.000+/-0.000 χ^2/NDF: 27566904.1/98



Right In: 0.046+/-0.039 χ^2/NDF: 14.6/23

Left Out: 0.013+/-0.063 χ^2/NDF:29.3/23

Right Out: -0.006+/-0.031 χ^2/NDF: 38.3/27

Left In: 0.059+/-0.062 χ^2/NDF:27.9/22

Left: 0.036+/-0.044 χ^2/NDF: 57.5/46

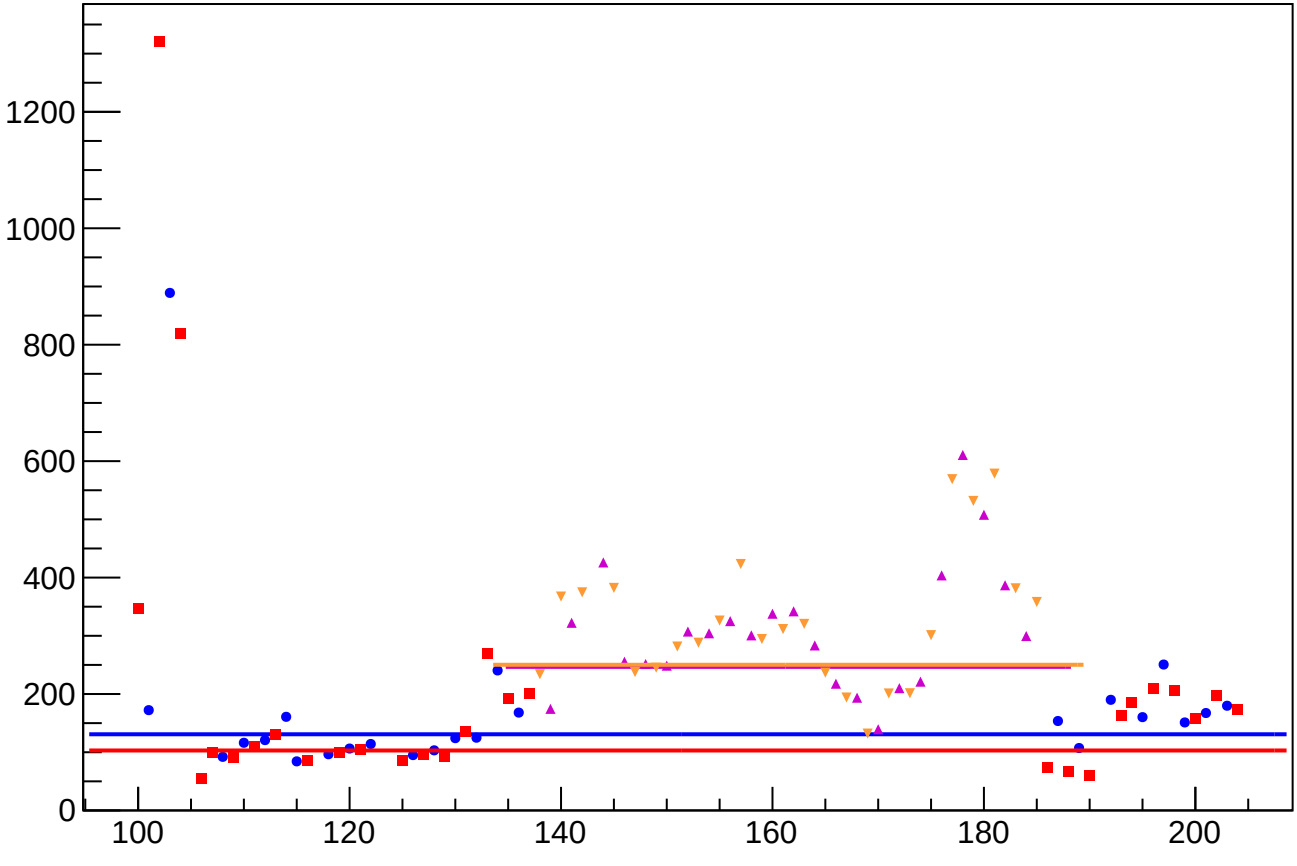
Right: 0.014+/-0.024 χ^2/NDF: 54.0/51

In: 0.050+/-0.033 χ^2/NDF:42.6/46

Out: -0.002+/-0.028 χ^2/NDF:67.7/51

All: 0.020+/-0.021 χ^2/NDF: 111.7/98

asym_us_avg_atlr_avg_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 130.855+/-0.028 χ^2/NDF: 2641218.2/23

Left Out: 250.247+/-0.045 χ^2/NDF:4353162.7/23

Right Out: 103.022+/-0.022 χ^2/NDF: 5712687.4/27

Left In: 246.630+/-0.044 χ^2/NDF:3773083.4/22

Left: 248.410+/-0.031 χ^2/NDF: 8129595.0/46

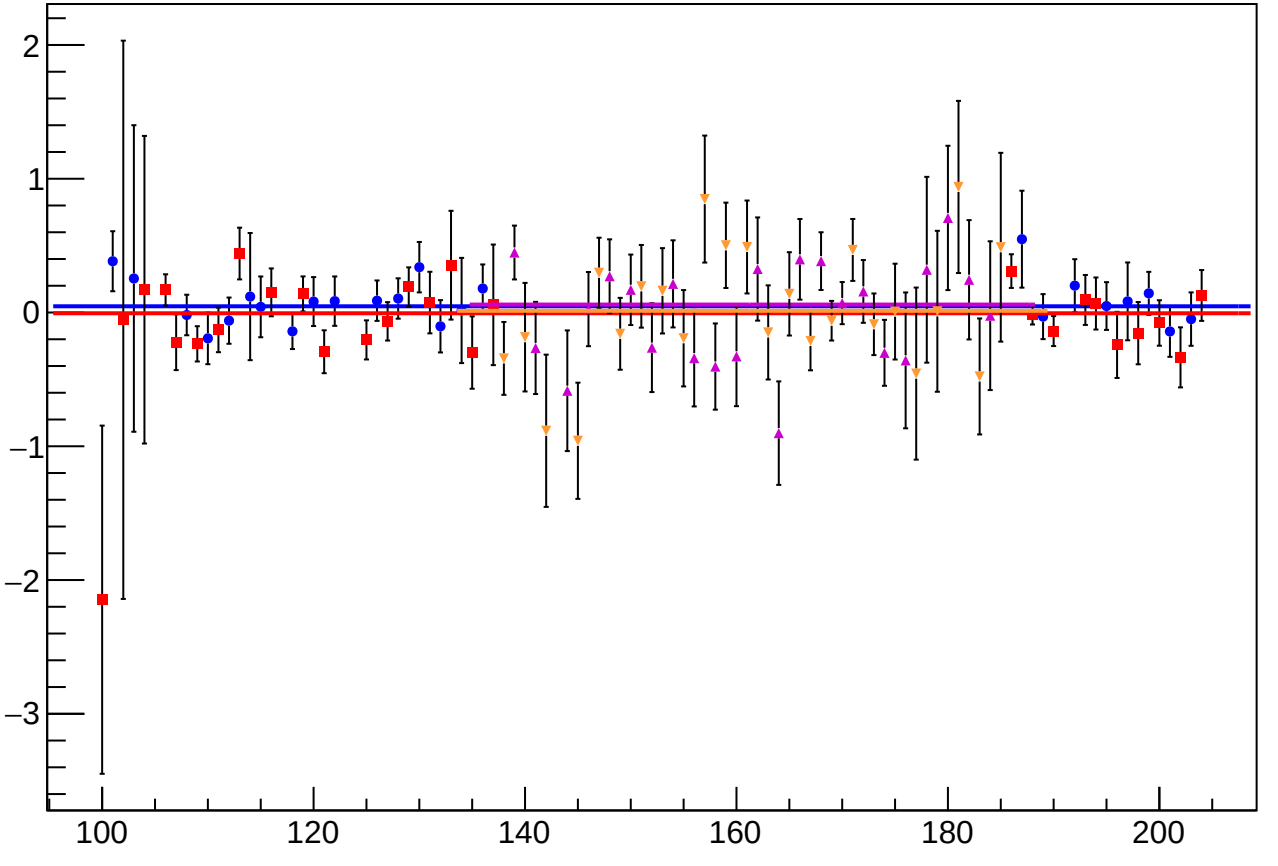
Right: 113.753+/-0.017 χ^2/NDF: 8969934.6/51

In: 164.044+/-0.023 χ^2/NDF:11387350.1/46

Out: 131.922+/-0.020 χ^2/NDF:18841814.1/51

All: 145.226+/-0.015 χ^2/NDF: 31325868.7/98

asym_us_avg_atlr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.046+/-0.039 χ^2/NDF: 14.6/23

Left Out: 0.013+/-0.063 χ^2/NDF:29.3/23

Right Out: -0.006+/-0.031 χ^2/NDF: 38.3/27

Left In: 0.059+/-0.062 χ^2/NDF:27.9/22

Left: 0.036+/-0.044 χ^2/NDF: 57.5/46

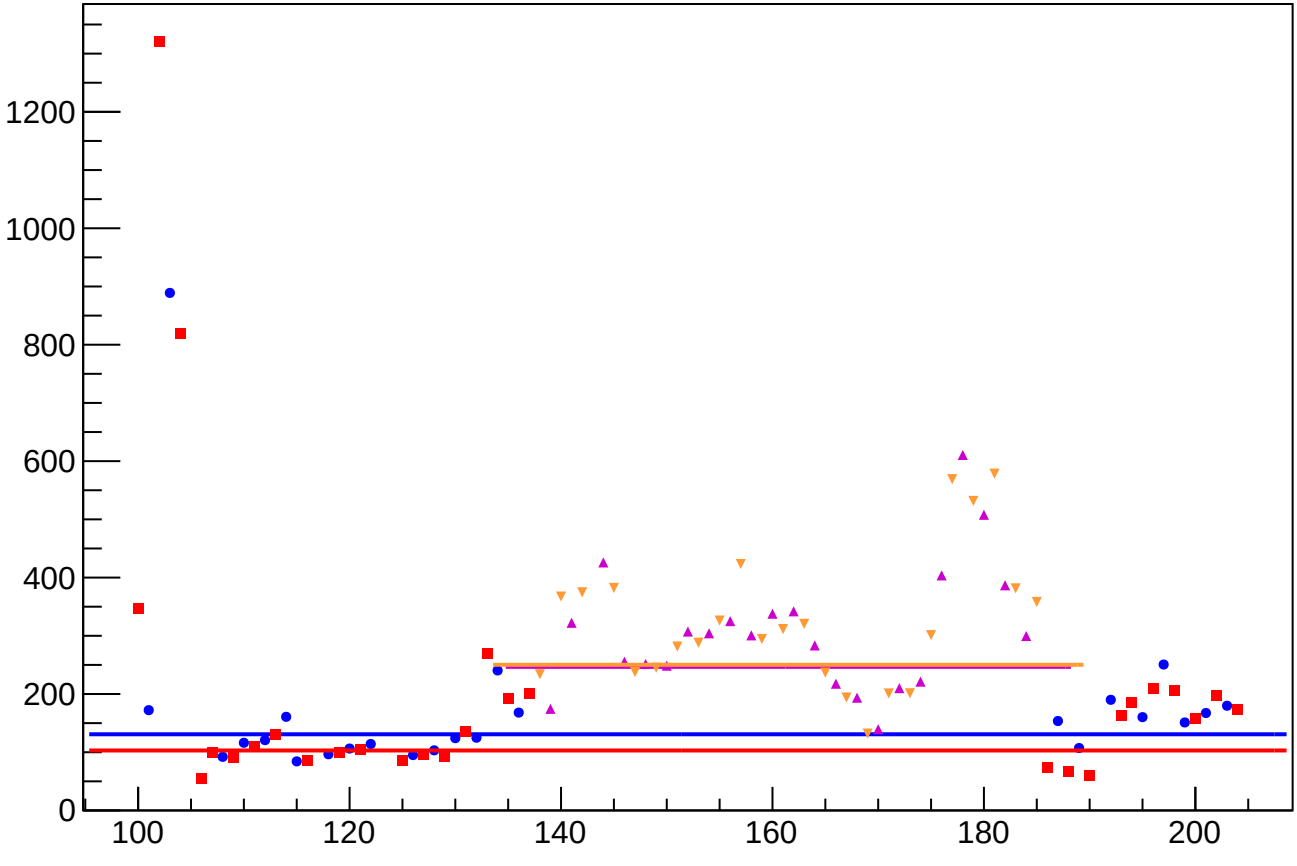
Right: 0.014+/-0.024 χ^2/NDF: 54.0/51

In: 0.050+/-0.033 χ^2/NDF:42.6/46

Out: -0.002+/-0.028 χ^2/NDF:67.7/51

All: 0.020+/-0.021 χ^2/NDF: 111.7/98

asym_us_avg_atlr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 130.855+/-0.028 χ^2/NDF: 2641218.2/23

Left Out: 250.247+/-0.045 χ^2/NDF:4353162.7/23

Right Out: 103.022+/-0.022 χ^2/NDF: 5712687.4/27

Left In: 246.630+/-0.044 χ^2/NDF:3773083.4/22

Left: 248.410+/-0.031 χ^2/NDF: 8129595.0/46

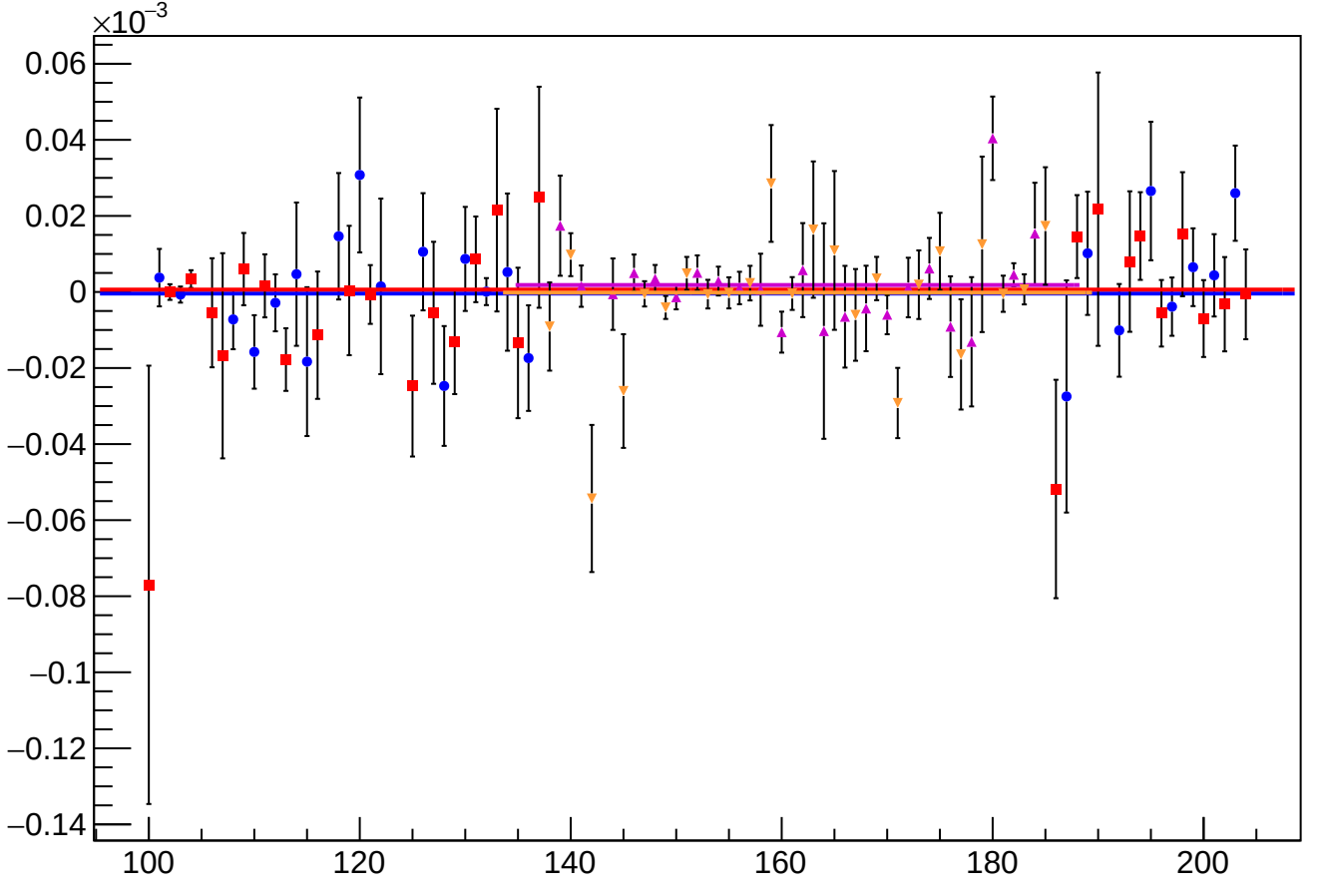
Right: 113.753+/-0.017 χ^2/NDF: 8969934.6/51

In: 164.044+/-0.023 χ^2/NDF:11387350.1/46

Out: 131.922+/-0.020 χ^2/NDF:18841814.1/51

All: 145.226+/-0.015 χ^2/NDF: 31325868.7/98

asym_us_avg_atlr_avg_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 22.0/23

Left Out: -0.000+/-0.000 χ^2/NDF:37.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 24.0/27

Left In: 0.000+/-0.000 χ^2/NDF:28.2/22

Left: 0.000+/-0.000 χ^2/NDF: 66.8/46

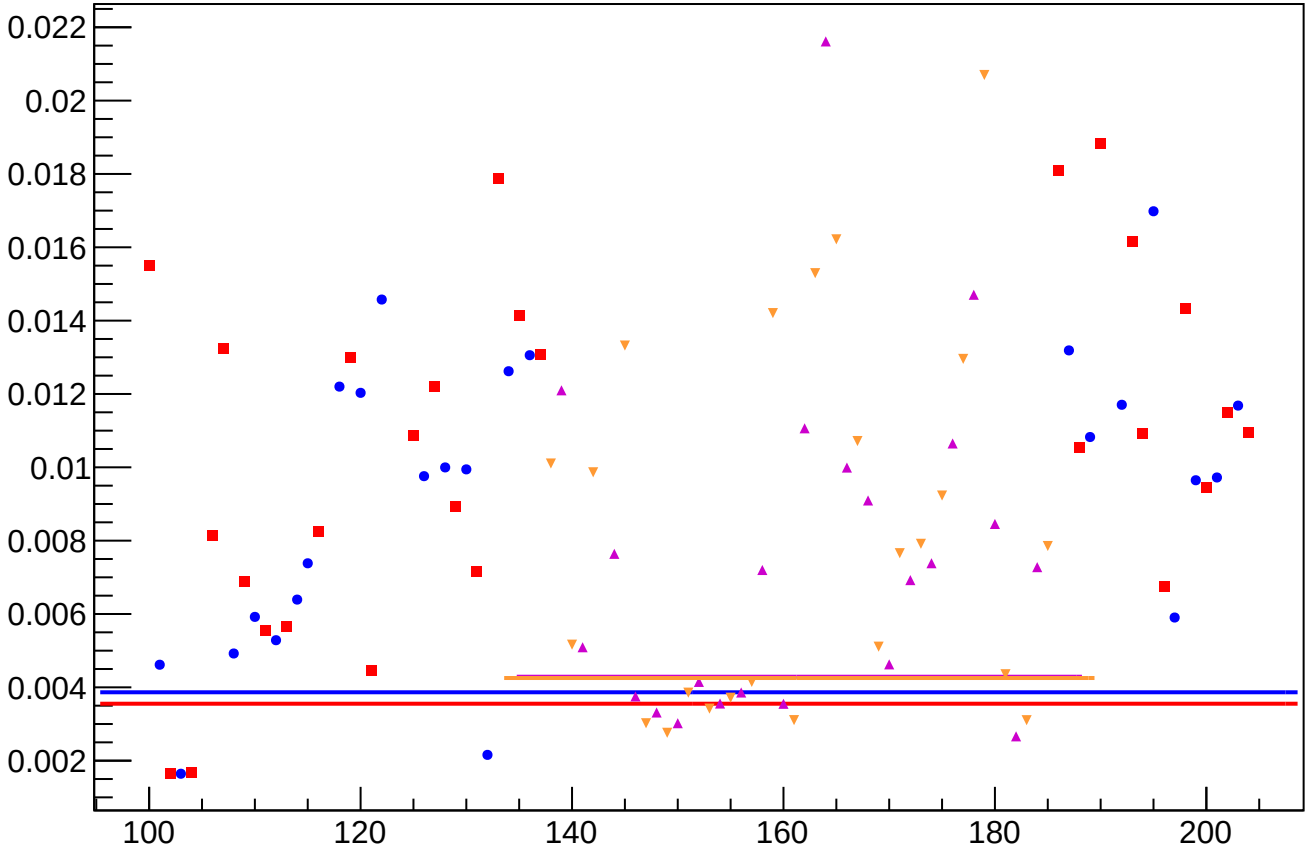
Right: 0.000+/-0.000 χ^2/NDF: 46.3/51

In: 0.000+/-0.000 χ^2/NDF:51.6/46

Out: 0.000+/-0.000 χ^2/NDF:61.4/51

All: 0.000+/-0.000 χ^2/NDF: 113.4/98

asym_us_avg_atlr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 11039547.0/23

Left Out: 0.004+/-0.000 χ^2/NDF:8492565.6/23

Right Out: 0.004+/-0.000 χ^2/NDF: 14285810.1/27

Left In: 0.004+/-0.000 χ^2/NDF:6598609.8/22

Left: 0.004+/-0.000 χ^2/NDF: 15092064.0/46

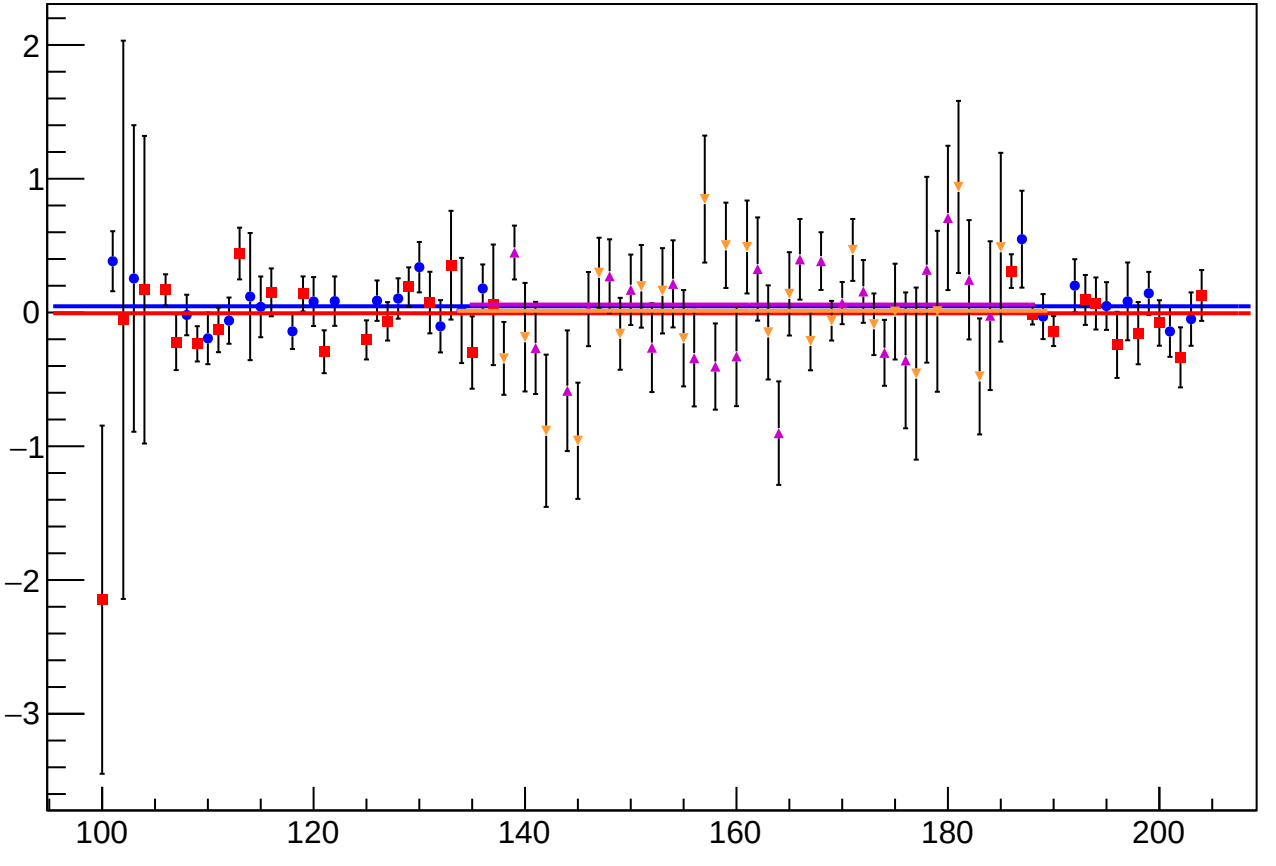
Right: 0.004+/-0.000 χ^2/NDF: 25374826.2/51

In: 0.004+/-0.000 χ^2/NDF:17738049.4/46

Out: 0.004+/-0.000 χ^2/NDF:23094471.2/51

All: 0.004+/-0.000 χ^2/NDF: 40871225.1/98

asym_us_avg_atlr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.046+/-0.039 χ^2/NDF: 14.6/23

Left Out: 0.013+/-0.063 χ^2/NDF:29.3/23

Right Out: -0.006+/-0.031 χ^2/NDF: 38.3/27

Left In: 0.059+/-0.062 χ^2/NDF:27.9/22

Left: 0.036+/-0.044 χ^2/NDF: 57.5/46

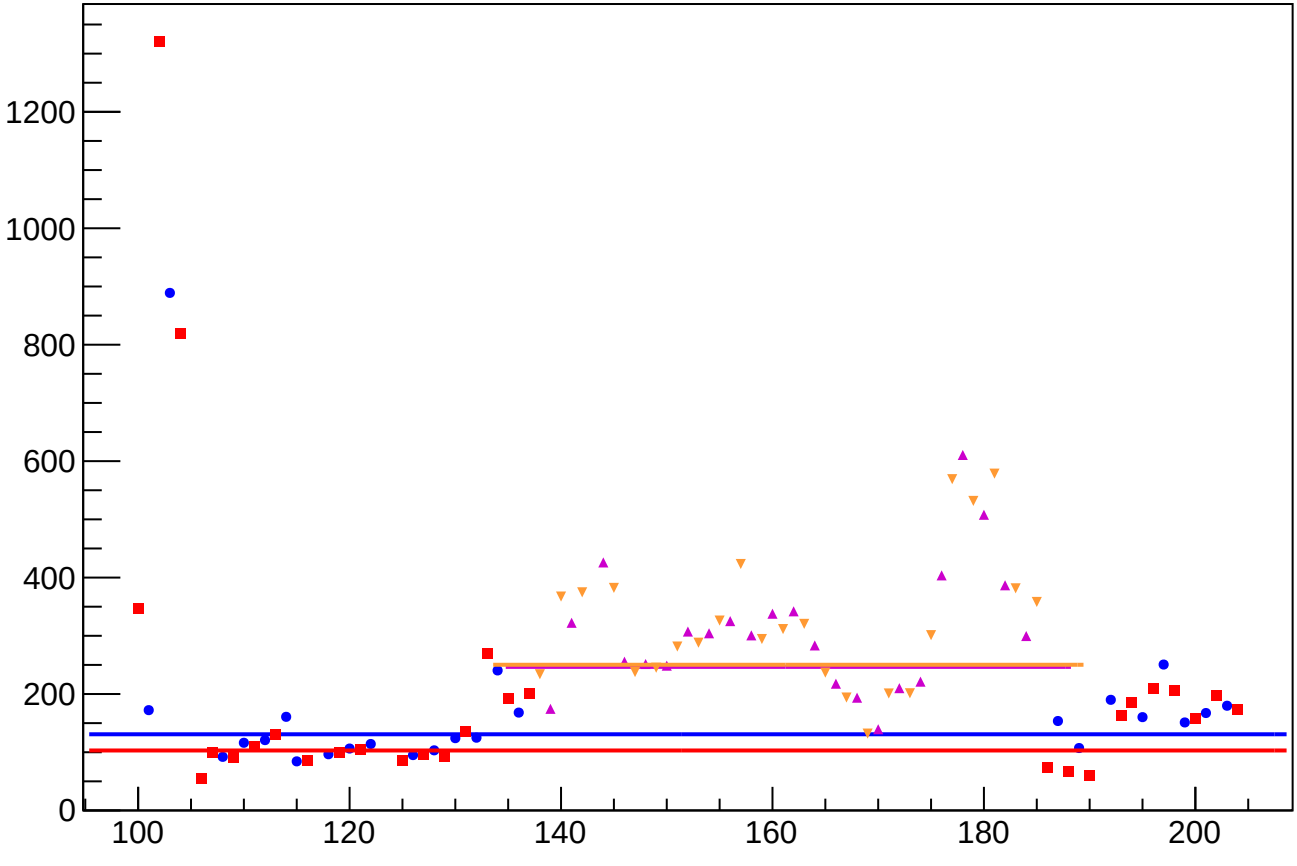
Right: 0.014+/-0.024 χ^2/NDF: 54.0/51

In: 0.050+/-0.033 χ^2/NDF:42.6/46

Out: -0.002+/-0.028 χ^2/NDF:67.7/51

All: 0.020+/-0.021 χ^2/NDF: 111.7/98

asym_us_avg_atlr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 130.854+/-0.028 χ^2/NDF: 2641250.9/23

Left Out: 250.248+/-0.045 χ^2/NDF:4353323.9/23

Right Out: 103.017+/-0.022 χ^2/NDF: 5713266.2/27

Left In: 246.632+/-0.044 χ^2/NDF:3773144.3/22

Left: 248.411+/-0.031 χ^2/NDF: 8129814.5/46

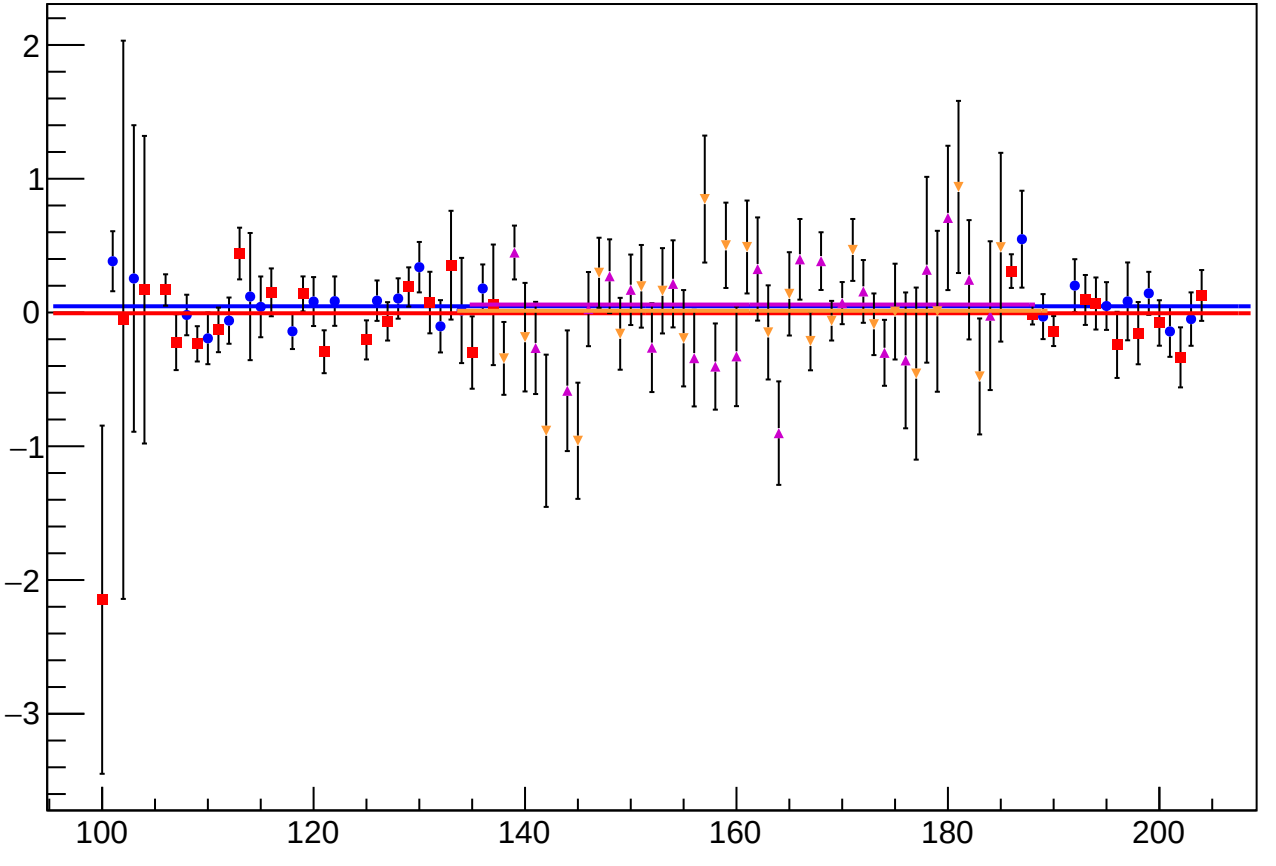
Right: 113.749+/-0.017 χ^2/NDF: 8970738.9/51

In: 164.043+/-0.023 χ^2/NDF:11387600.7/46

Out: 131.917+/-0.020 χ^2/NDF:18843199.4/51

All: 145.222+/-0.015 χ^2/NDF: 31327846.0/98

asym_us_avg_atlr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.046+/-0.039 χ^2/NDF: 14.6/23

Left Out: 0.013+/-0.063 χ^2/NDF:29.3/23

Right Out: -0.006+/-0.031 χ^2/NDF: 38.3/27

Left In: 0.059+/-0.062 χ^2/NDF:27.9/22

Left: 0.036+/-0.044 χ^2/NDF: 57.5/46

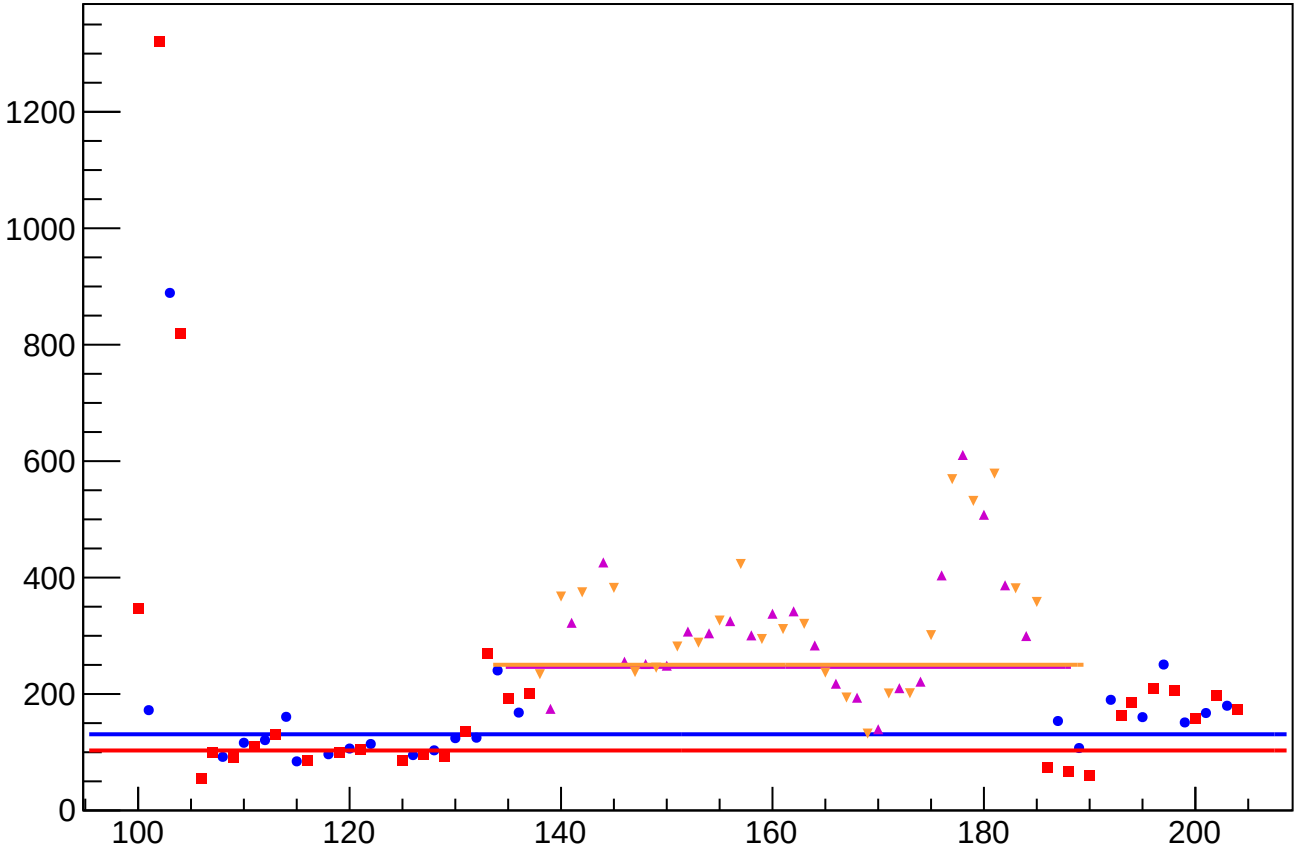
Right: 0.014+/-0.024 χ^2/NDF: 54.0/51

In: 0.050+/-0.033 χ^2/NDF:42.6/46

Out: -0.002+/-0.028 χ^2/NDF:67.7/51

All: 0.020+/-0.021 χ^2/NDF: 111.7/98

asym_us_avg_atlr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 130.854+/-0.028 χ^2/NDF: 2641250.9/23

Left Out: 250.248+/-0.045 χ^2/NDF:4353323.9/23

Right Out: 103.017+/-0.022 χ^2/NDF: 5713266.2/27

Left In: 246.632+/-0.044 χ^2/NDF:3773144.3/22

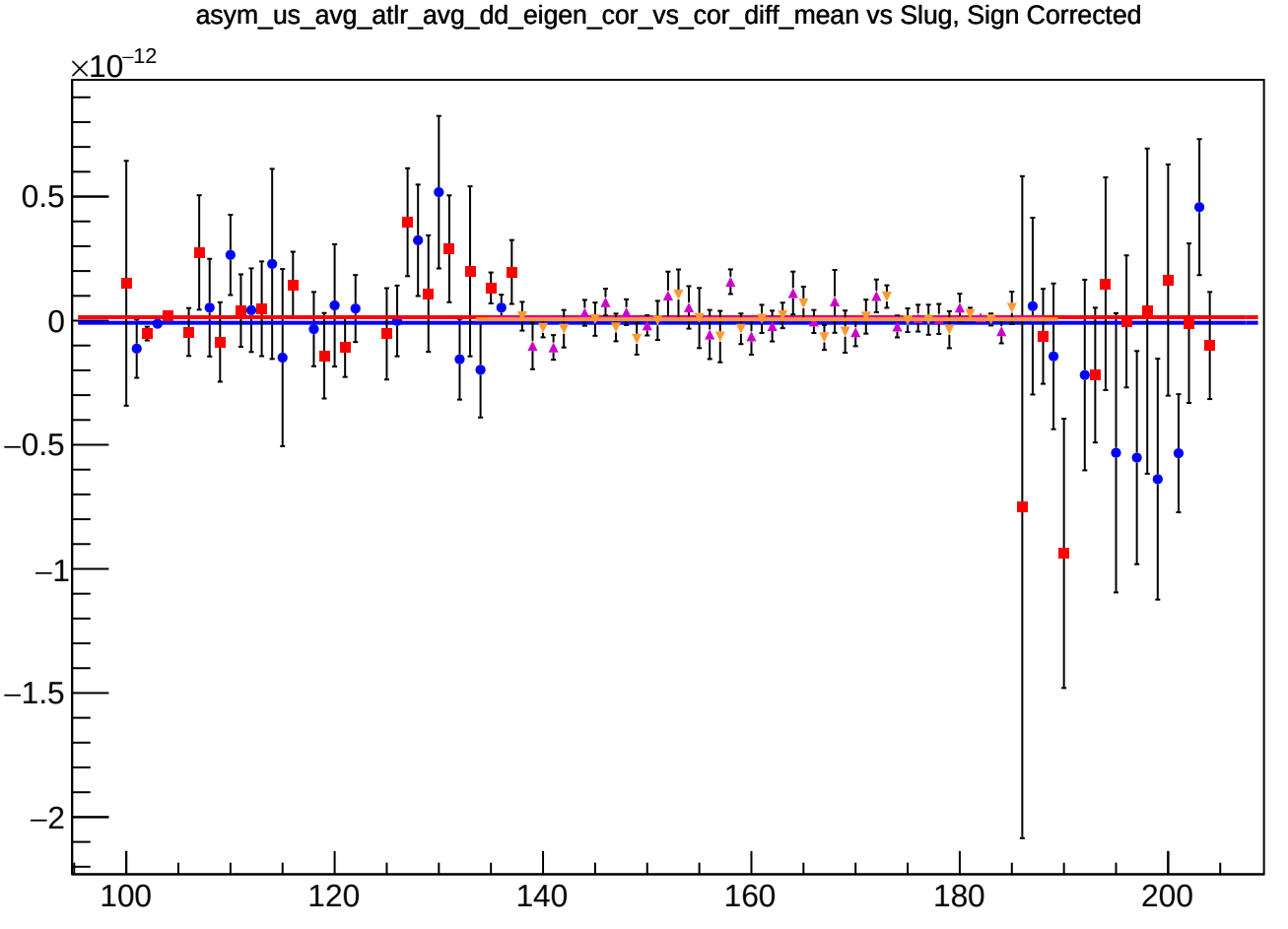
Left: 248.411+/-0.031 χ^2/NDF: 8129814.5/46

Right: 113.749+/-0.017 χ^2/NDF: 8970738.9/51

In: 164.043+/-0.023 χ^2/NDF:11387600.7/46

Out: 131.917+/-0.020 χ^2/NDF:18843199.4/51

All: 145.222+/-0.015 χ^2/NDF: 31327846.0/98



Right In: -0.000+/-0.000 χ^2/NDF: 25.5/23

Left Out: 0.000+/-0.000 χ^2/NDF:13.8/23

Right Out: 0.000+/-0.000 χ^2/NDF: 26.7/27

Left In: 0.000+/-0.000 χ^2/NDF:27.9/22

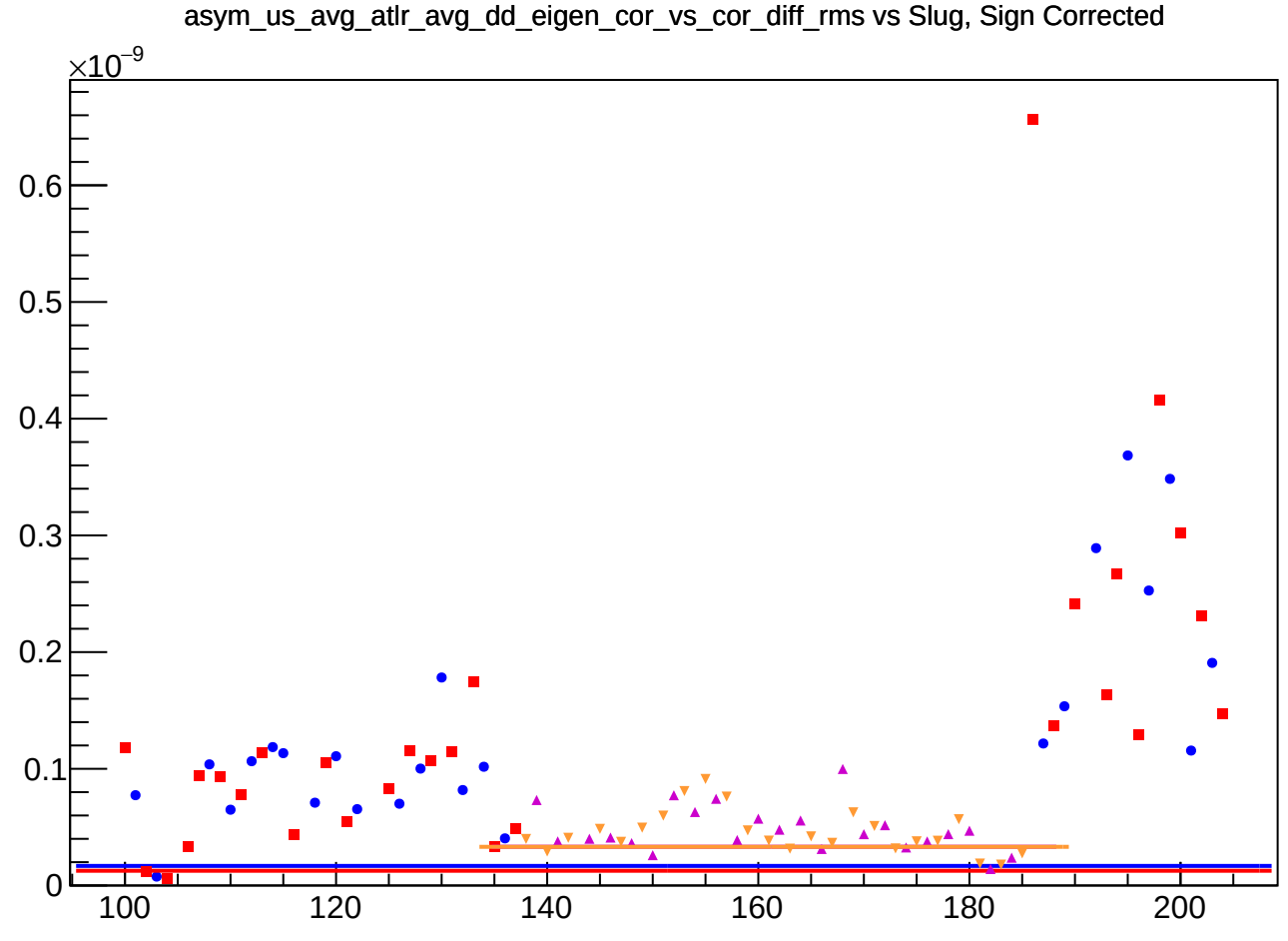
Left: 0.000+/-0.000 χ^2/NDF: 41.8/46

Right: 0.000+/-0.000 χ^2/NDF: 54.2/51

In: 0.000+/-0.000 χ^2/NDF:54.8/46

Out: 0.000+/-0.000 χ^2/NDF:40.9/51

All: 0.000+/-0.000 χ^2/NDF: 96.1/98



Right In: 0.000+/-0.000 χ^2/NDF: 11023249.2/23

Left Out: 0.000+/-0.000 χ^2/NDF:4025318.1/23

Right Out: 0.000+/-0.000 χ^2/NDF: 12521180.9/27

Left In: 0.000+/-0.000 χ^2/NDF:5018453.7/22

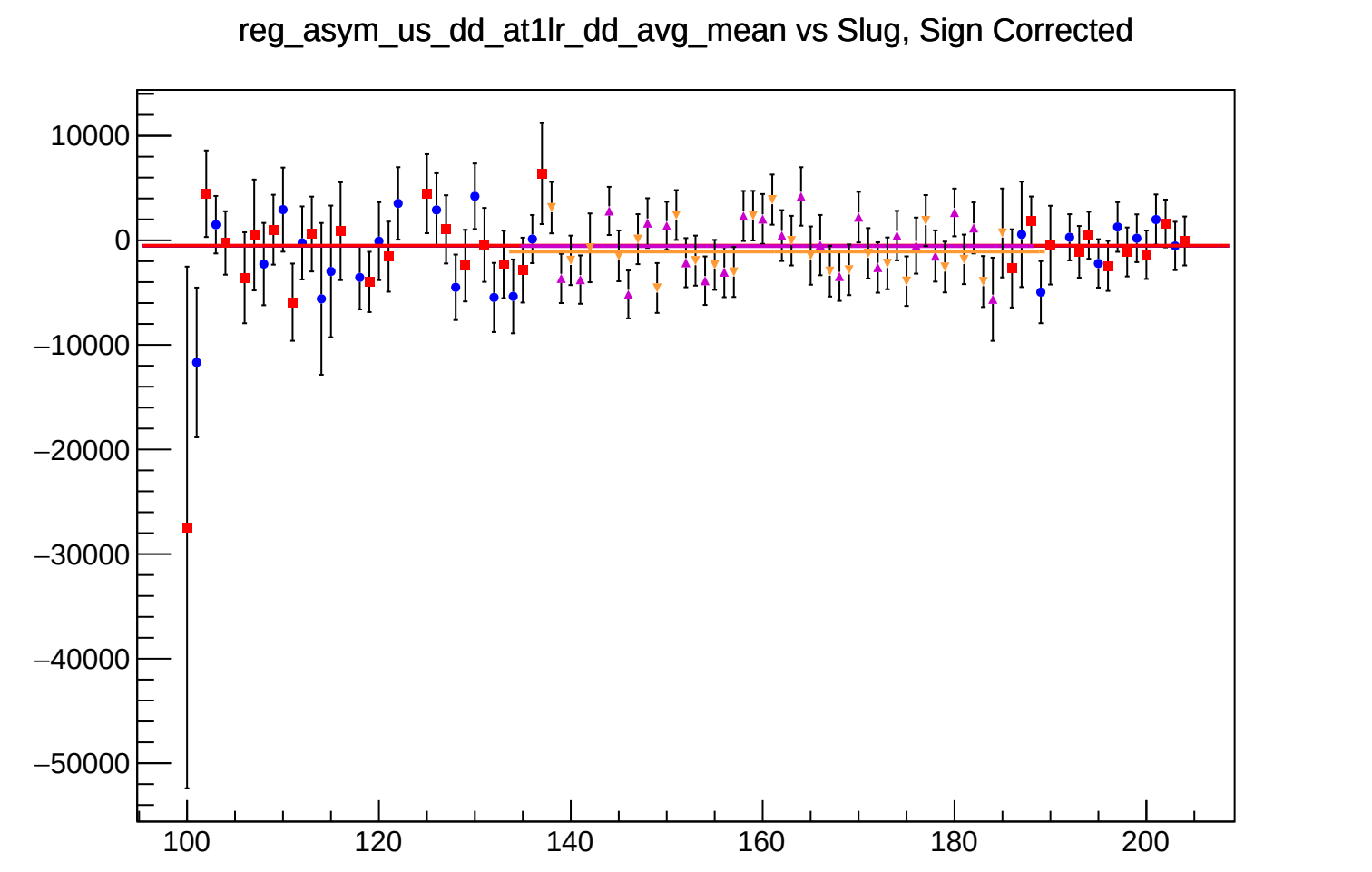
Left: 0.000+/-0.000 χ^2/NDF: 9043794.9/46

Right: 0.000+/-0.000 χ^2/NDF: 23681295.7/51

In: 0.000+/-0.000 χ^2/NDF:18088720.0/46

Out: 0.000+/-0.000 χ^2/NDF:20627118.4/51

All: 0.000+/-0.000 χ^2/NDF: 39009719.3/98



Right In: -532.027+/-621.579 χ^2/NDF: 20.7/23

Left Out: -1072.863+/-505.534 χ^2/NDF:21.6/23

Right Out: -508.309+/-584.074 χ^2/NDF: 15.8/27

Left In: -557.052+/-509.208 χ^2/NDF:28.7/22

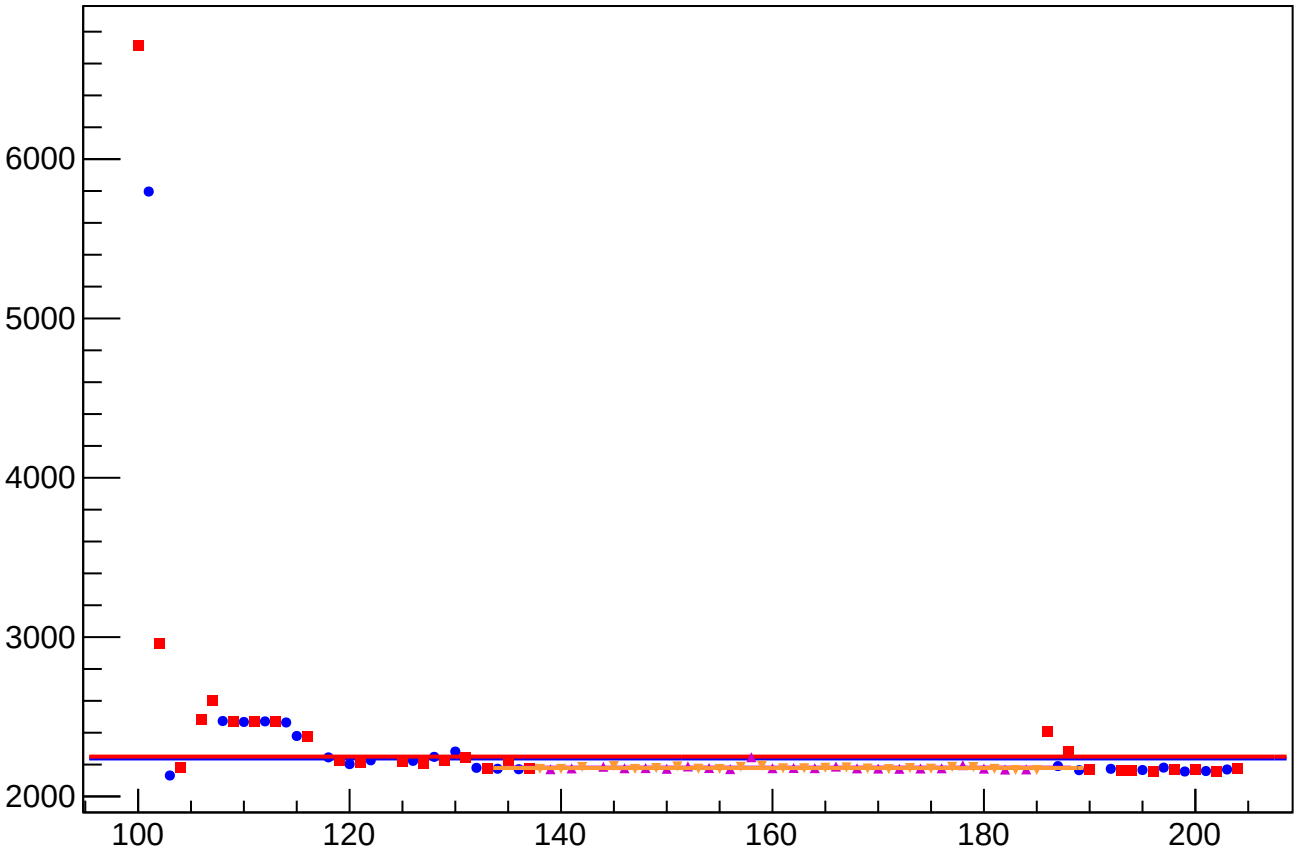
Left: -816.825+/-358.759 χ^2/NDF: 50.8/46

Right: -519.431+/-425.644 χ^2/NDF: 36.5/51

In: -547.002+/-393.905 χ^2/NDF:49.3/46

Out: -831.069+/-382.241 χ^2/NDF:37.9/51

All: -693.304+/-274.316 χ^2/NDF: 87.5/98



Right In: 2238.357+/-0.440 χ^2/NDF: 539199.2/23

Left Out: 2178.244+/-0.357 χ^2/NDF:389.1/23

Right Out: 2250.105+/-0.413 χ^2/NDF: 189034.1/27

Left In: 2180.919+/-0.360 χ^2/NDF:1866.2/22

Left: 2179.572+/-0.254 χ^2/NDF: 2283.2/46

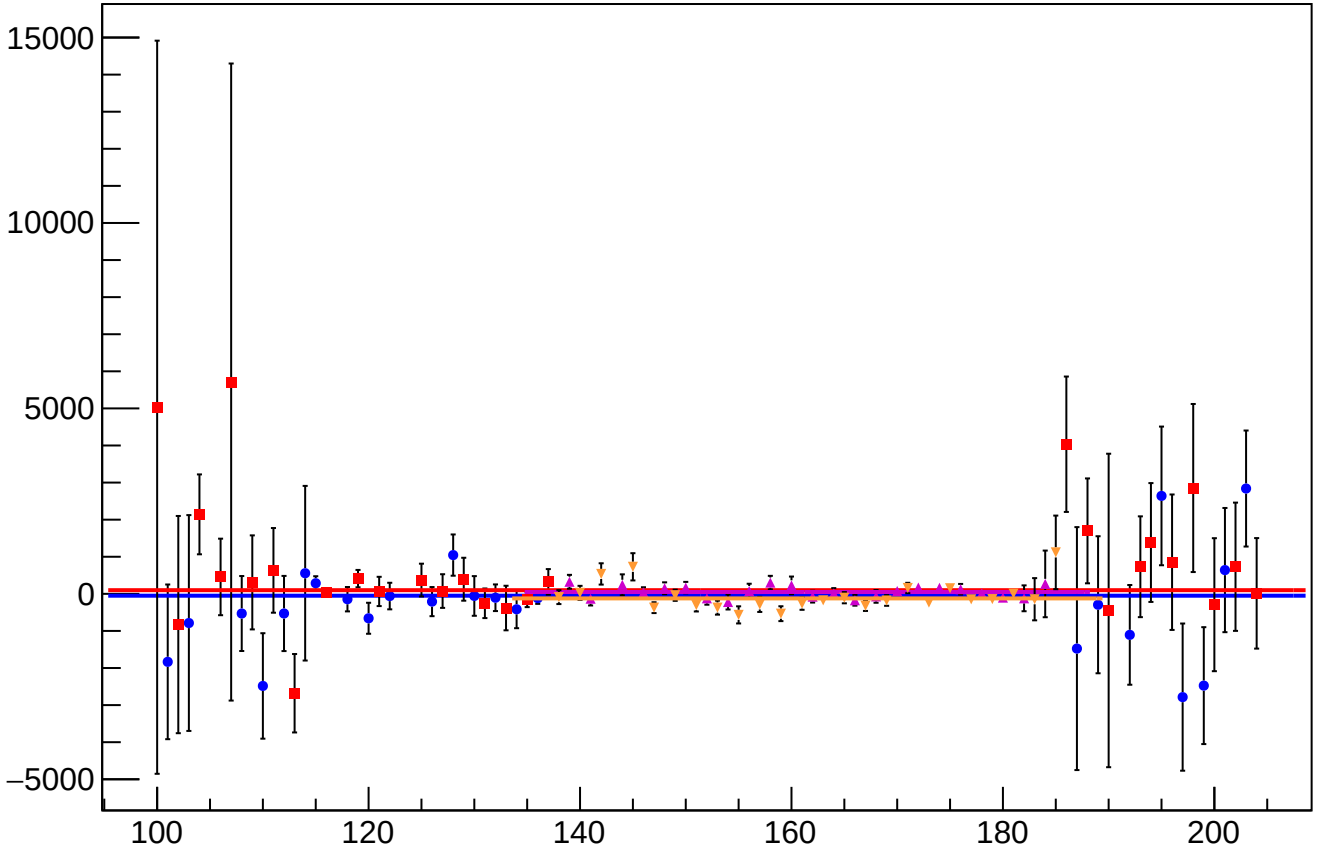
Right: 2244.596+/-0.301 χ^2/NDF: 728612.7/51

In: 2203.986+/-0.279 χ^2/NDF:551285.1/46

Out: 2209.022+/-0.270 χ^2/NDF:206731.5/51

All: 2206.579+/-0.194 χ^2/NDF: 758185.0/98

asym_us_dd_at1lr_dd_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -50.095+/-89.936 χ^2/NDF: 25.1/23

Left Out: -123.007+/-31.408 χ^2/NDF:43.8/23

Right Out: 98.680+/-81.455 χ^2/NDF: 26.4/27

Left In: 50.317+/-32.545 χ^2/NDF:18.2/22

Left: -39.426+/-22.600 χ^2/NDF: 76.7/46

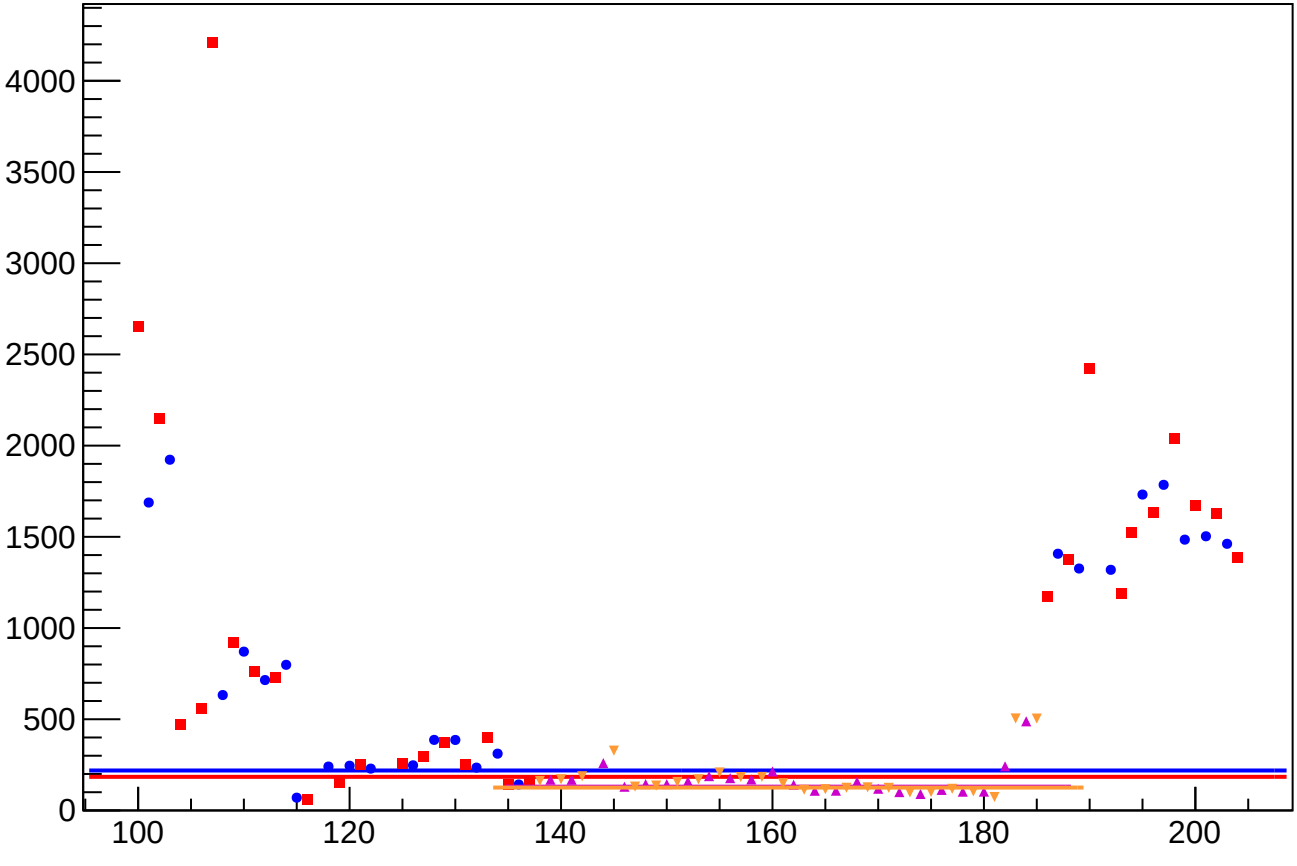
Right: 31.636+/-60.374 χ^2/NDF: 53.0/51

In: 38.690+/-30.603 χ^2/NDF:44.5/46

Out: -94.314+/-29.305 χ^2/NDF:76.6/51

All: -30.692+/-21.166 χ^2/NDF: 130.9/98

asym_us_dd_at1lr_dd_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 219.066+/-0.064 χ^2/NDF: 13853839.6/23

Left Out: 125.506+/-0.022 χ^2/NDF:3942746.1/23

Right Out: 184.309+/-0.058 χ^2/NDF: 18143615.2/27

Left In: 130.436+/-0.023 χ^2/NDF:2679692.6/22

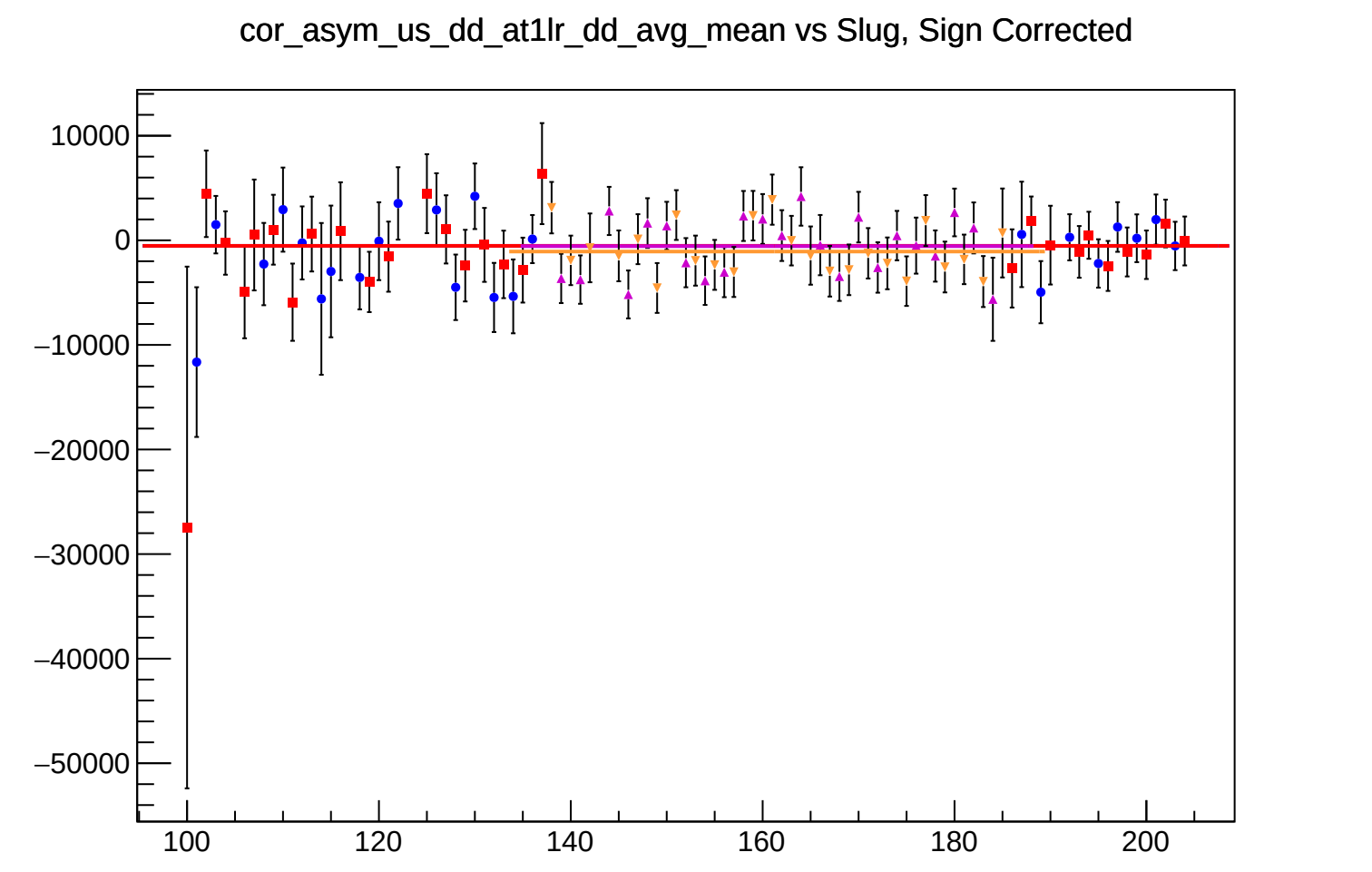
Left: 127.884+/-0.016 χ^2/NDF: 6646201.0/46

Right: 199.972+/-0.043 χ^2/NDF: 32161556.8/51

In: 140.698+/-0.022 χ^2/NDF:18250990.8/46

Out: 133.117+/-0.021 χ^2/NDF:22993741.7/51

All: 136.744+/-0.015 χ^2/NDF: 41308758.9/98



Right In: -531.518+/-621.579 χ^2/NDF: 20.6/23

Left Out: -1072.795+/-505.534 χ^2/NDF:21.6/23

Right Out: -529.378+/-584.292 χ^2/NDF: 16.3/27

Left In: -557.079+/-509.208 χ^2/NDF:28.7/22

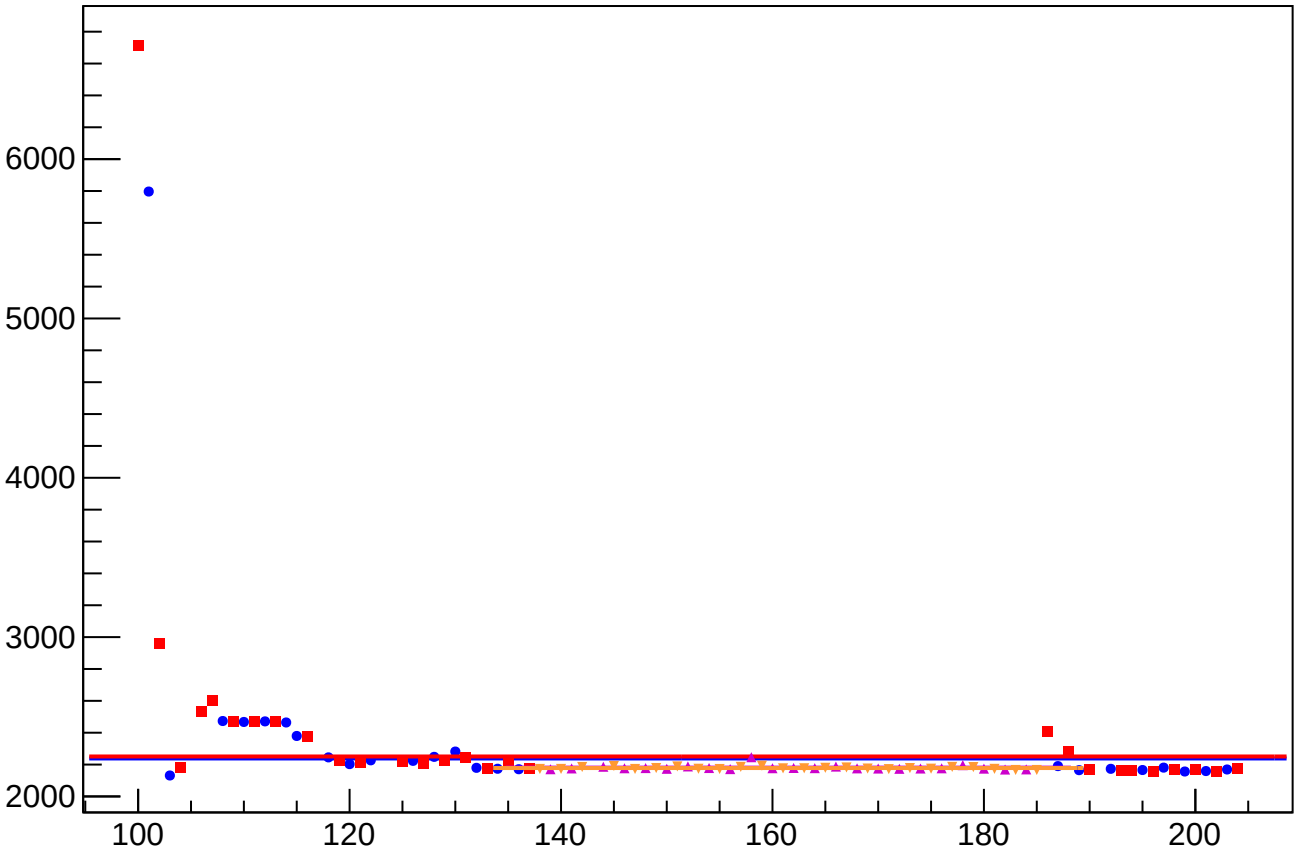
Left: -816.804+/-358.759 χ^2/NDF: 50.8/46

Right: -530.382+/-425.729 χ^2/NDF: 36.9/51

In: -546.814+/-393.905 χ^2/NDF:49.3/46

Out: -840.153+/-382.303 χ^2/NDF:38.3/51

All: -697.867+/-274.339 χ^2/NDF: 88.0/98



Right In: 2238.357+/-0.440 χ^2/NDF: 539199.5/23

Left Out: 2178.244+/-0.357 χ^2/NDF:389.1/23

Right Out: 2250.807+/-0.413 χ^2/NDF: 191452.8/27

Left In: 2180.919+/-0.360 χ^2/NDF:1866.2/22

Left: 2179.572+/-0.254 χ^2/NDF: 2283.1/46

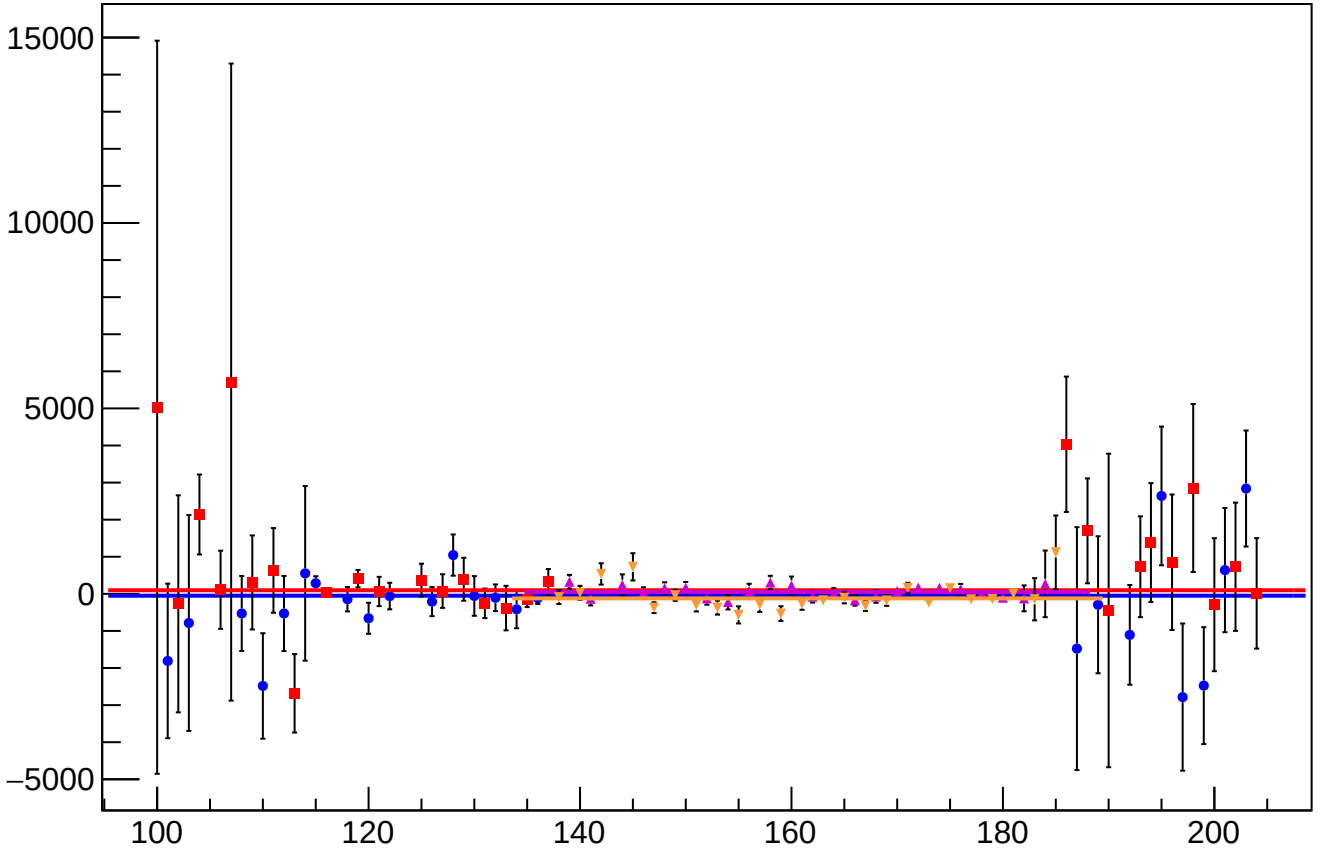
Right: 2244.967+/-0.301 χ^2/NDF: 731078.3/51

In: 2203.986+/-0.279 χ^2/NDF:551285.4/46

Out: 2209.309+/-0.270 χ^2/NDF:209482.4/51

All: 2206.727+/-0.194 χ^2/NDF: 760955.8/98

asym_us_dd_at1lr_dd_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -50.127+/-89.941 χ^2/NDF: 25.1/23

Left Out: -122.928+/-31.408 χ^2/NDF:43.8/23

Right Out: 96.689+/-81.396 χ^2/NDF: 26.2/27

Left In: 50.209+/-32.548 χ^2/NDF:18.3/22

Left: -39.445+/-22.601 χ^2/NDF: 76.7/46

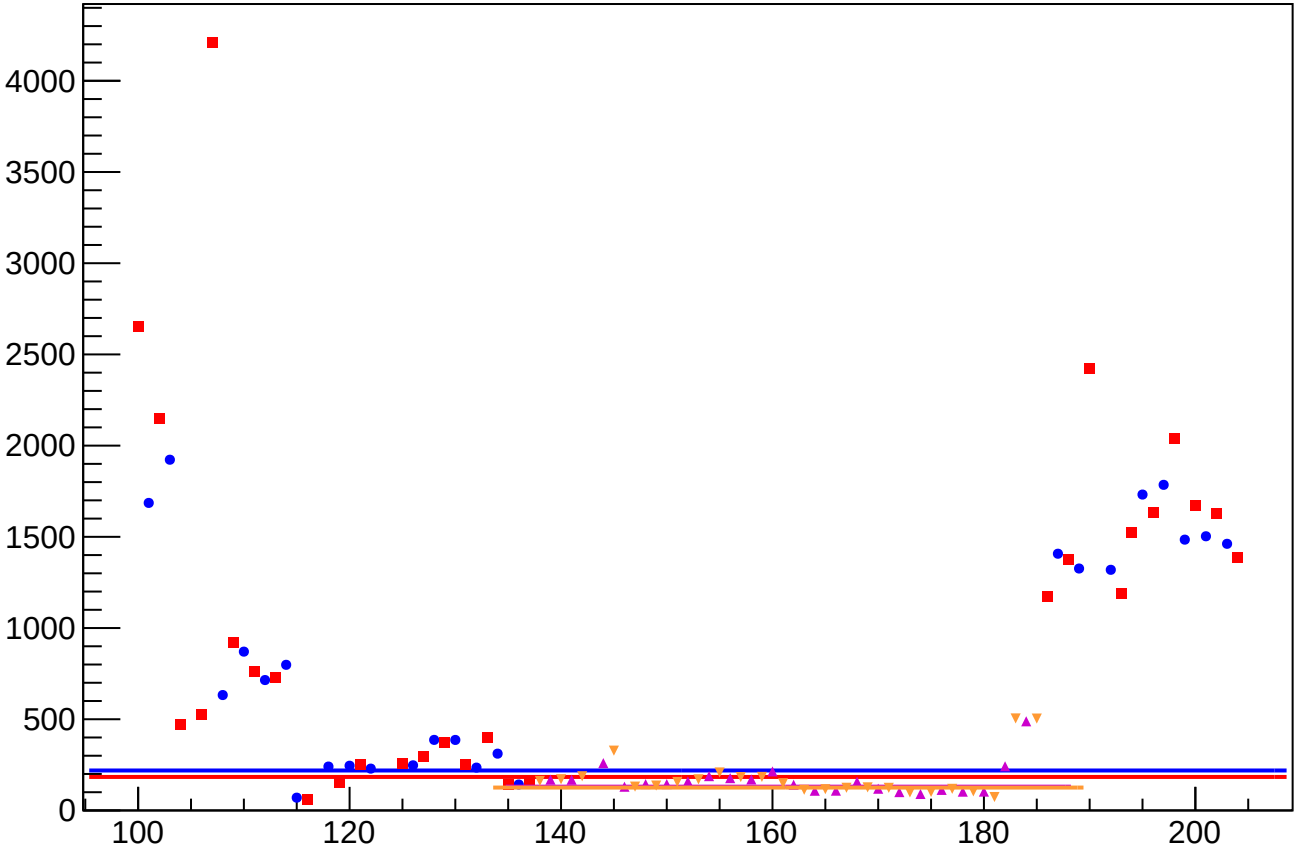
Right: 30.585+/-60.351 χ^2/NDF: 52.7/51

In: 38.591+/-30.606 χ^2/NDF:44.5/46

Out: -94.466+/-29.302 χ^2/NDF:76.3/51

All: -30.831+/-21.166 χ^2/NDF: 130.6/98

asym_us_dd_at1lr_dd_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 219.093+/-0.064 χ^2/NDF: 13852368.6/23

Left Out: 125.503+/-0.022 χ^2/NDF:3943570.9/23

Right Out: 183.723+/-0.058 χ^2/NDF: 18108040.8/27

Left In: 130.451+/-0.023 χ^2/NDF:2679365.4/22

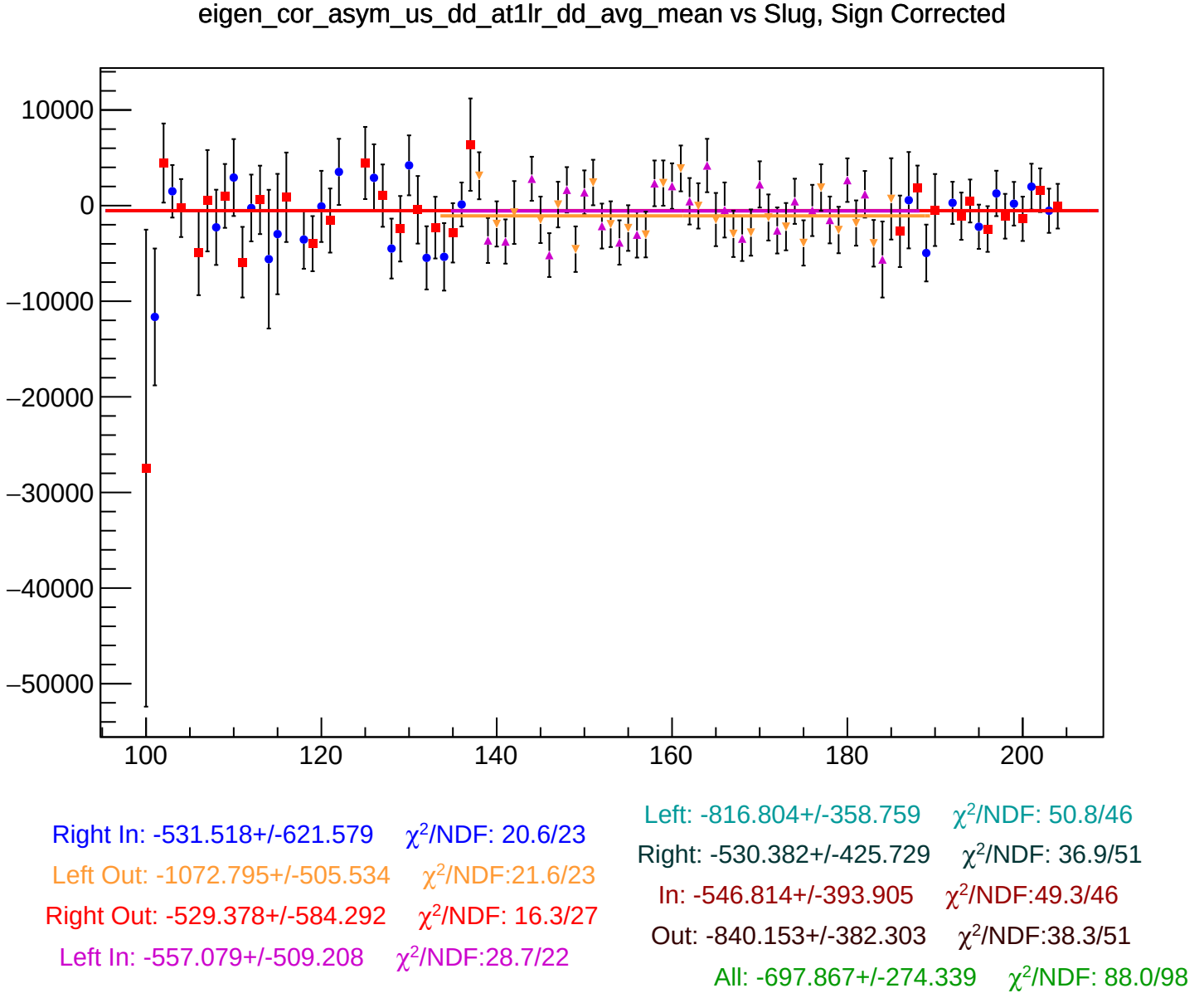
Left: 127.889+/-0.016 χ^2/NDF: 6646874.7/46

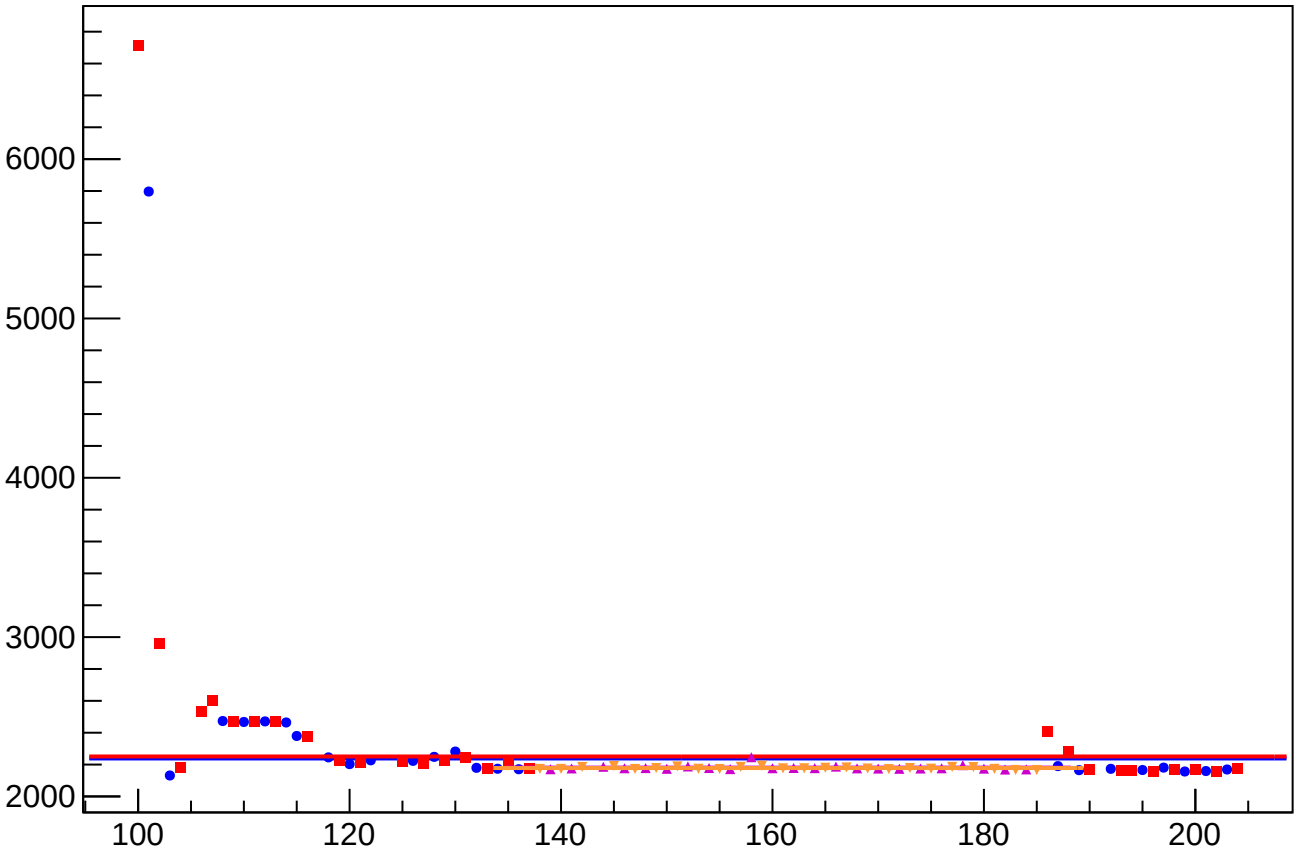
Right: 199.648+/-0.043 χ^2/NDF: 32130457.2/51

In: 140.715+/-0.022 χ^2/NDF:18249452.5/46

Out: 133.048+/-0.021 χ^2/NDF:22942236.1/51

All: 136.715+/-0.015 χ^2/NDF: 41257182.5/98


eigen_cor_asym_us_dd_at1lr_dd_avg_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
−50000
100
120
140
160
180
200
Right In: -531.518+/-621.579 χ²/NDF: 20.6/23
Left Out: -1072.795+/-505.534 χ²/NDF:21.6/23
Right Out: -529.378+/-584.292 χ²/NDF: 16.3/27
Left In: -557.079+/-509.208 χ²/NDF:28.7/22
Left: -816.804+/-358.759 χ²/NDF: 50.8/46
Right: -530.382+/-425.729 χ²/NDF: 36.9/51
In: -546.814+/-393.905 χ²/NDF:49.3/46
Out: -840.153+/-382.303 χ²/NDF:38.3/51
All: -697.867+/-274.339 χ²/NDF: 88.0/98



Right In: 2238.357+/-0.440 χ^2/NDF: 539199.5/23

Left Out: 2178.244+/-0.357 χ^2/NDF:389.1/23

Right Out: 2250.807+/-0.413 χ^2/NDF: 191452.8/27

Left In: 2180.919+/-0.360 χ^2/NDF:1866.2/22

Left: 2179.572+/-0.254 χ^2/NDF: 2283.1/46

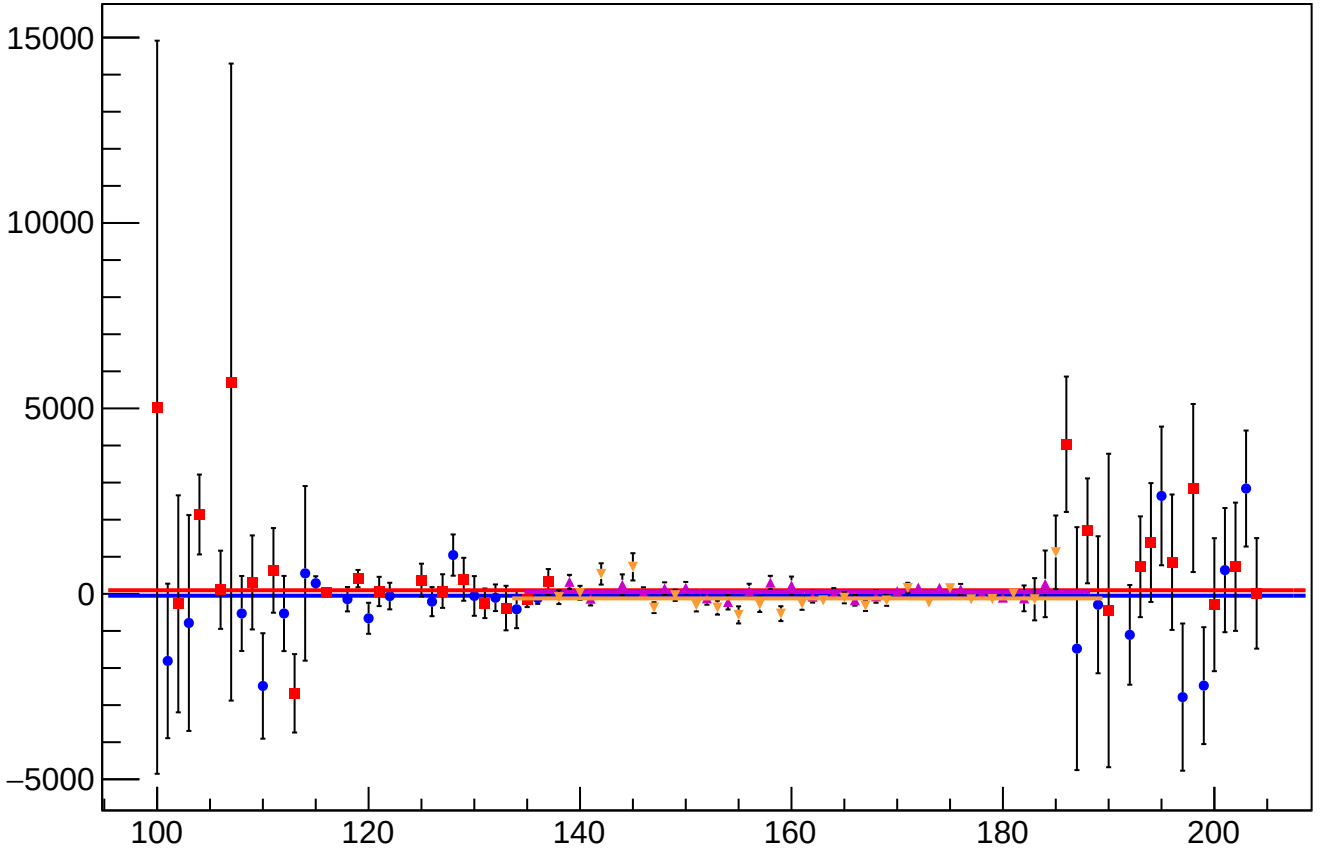
Right: 2244.967+/-0.301 χ^2/NDF: 731078.3/51

In: 2203.986+/-0.279 χ^2/NDF:551285.4/46

Out: 2209.309+/-0.270 χ^2/NDF:209482.4/51

All: 2206.727+/-0.194 χ^2/NDF: 760955.8/98

asym_us_dd_at1lr_dd_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -50.127+/-89.941 χ^2/NDF: 25.1/23

Left Out: -122.928+/-31.408 χ^2/NDF:43.8/23

Right Out: 96.689+/-81.396 χ^2/NDF: 26.2/27

Left In: 50.209+/-32.548 χ^2/NDF:18.3/22

Left: -39.445+/-22.601 χ^2/NDF: 76.7/46

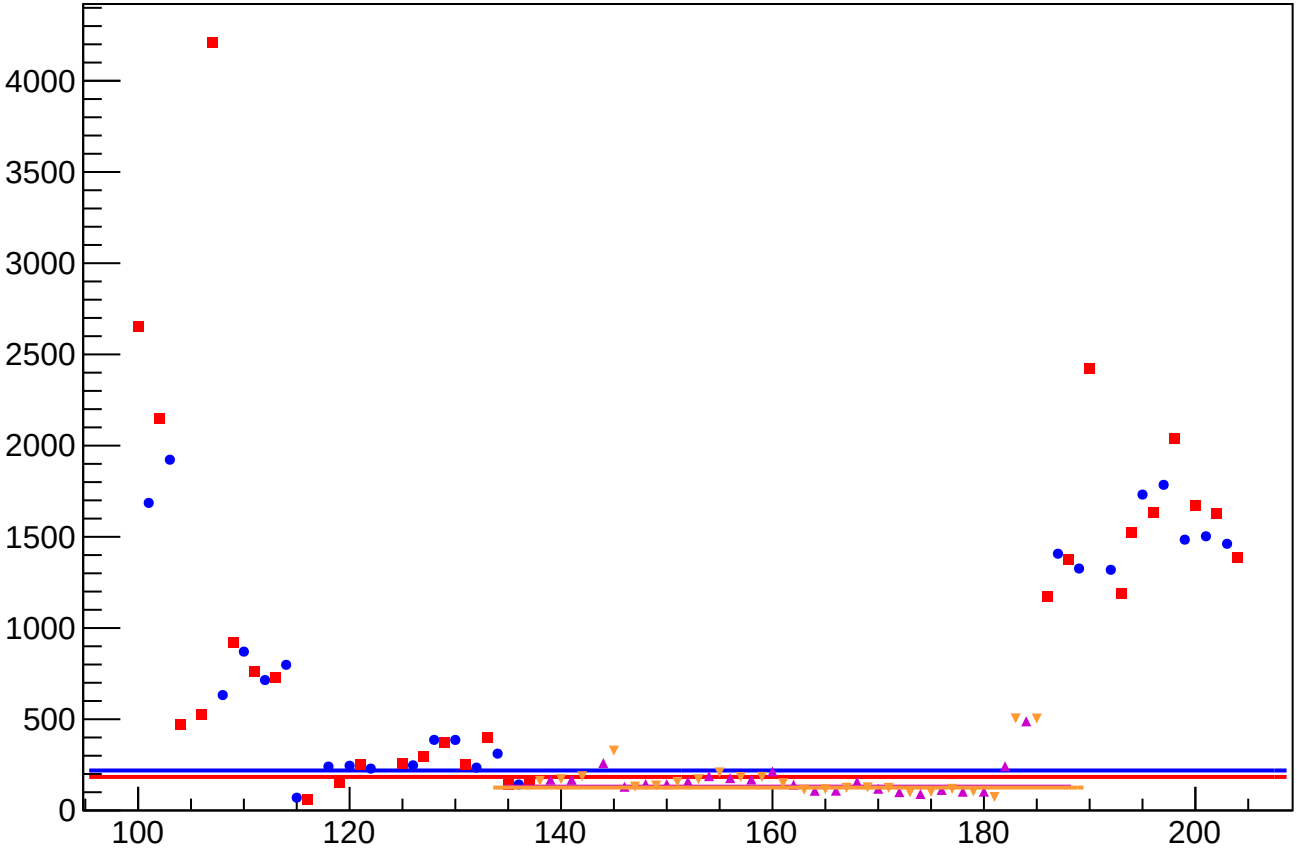
Right: 30.585+/-60.351 χ^2/NDF: 52.7/51

In: 38.591+/-30.606 χ^2/NDF:44.5/46

Out: -94.466+/-29.302 χ^2/NDF:76.3/51

All: -30.831+/-21.166 χ^2/NDF: 130.6/98

asym_us_dd_at1lr_dd_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 219.093+/-0.064 χ^2/NDF: 13852368.6/23

Left Out: 125.503+/-0.022 χ^2/NDF:3943570.9/23

Right Out: 183.723+/-0.058 χ^2/NDF: 18108040.8/27

Left In: 130.451+/-0.023 χ^2/NDF:2679365.4/22

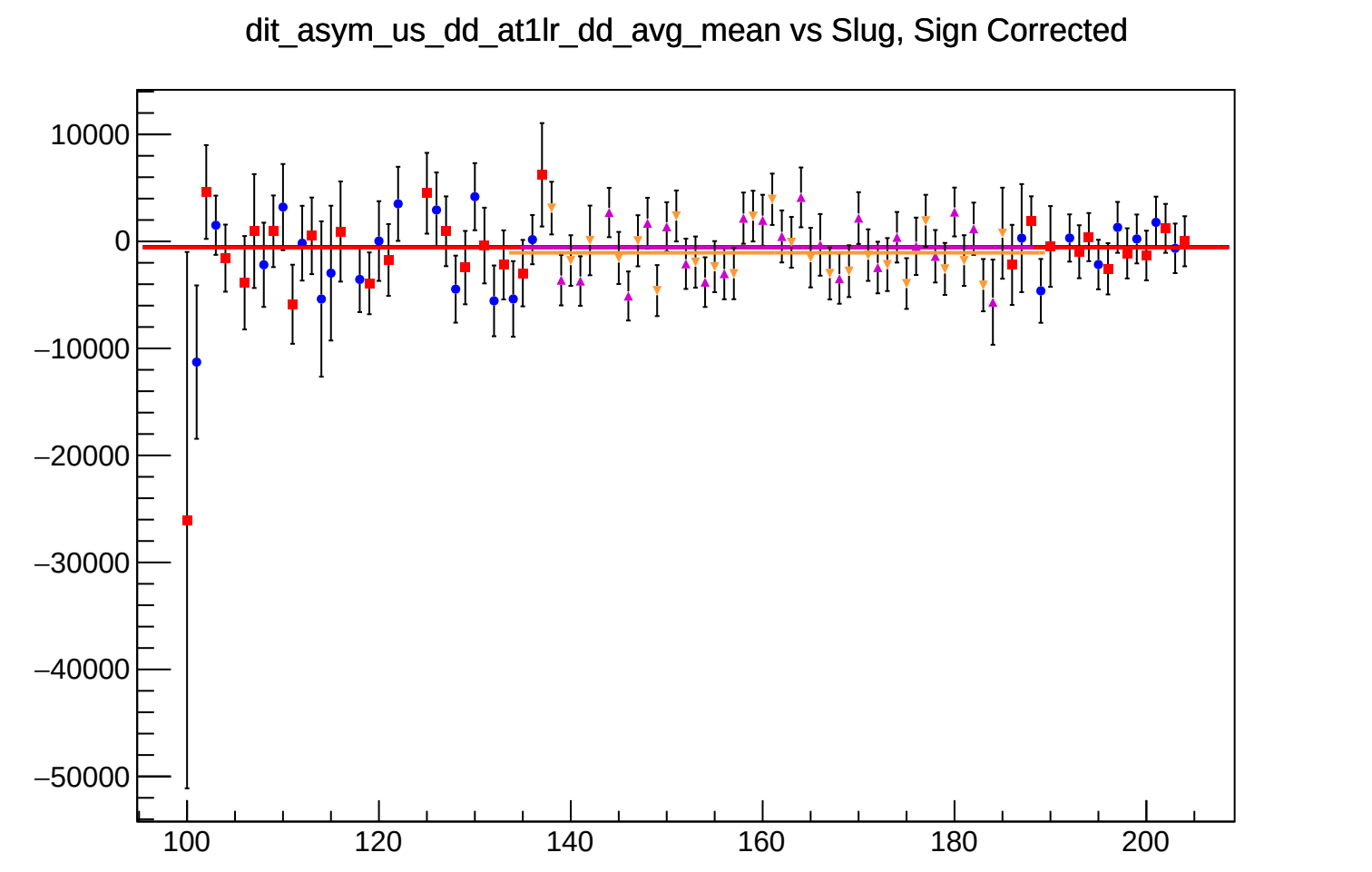
Left: 127.889+/-0.016 χ^2/NDF: 6646874.7/46

Right: 199.648+/-0.043 χ^2/NDF: 32130457.2/51

In: 140.715+/-0.022 χ^2/NDF:18249452.5/46

Out: 133.048+/-0.021 χ^2/NDF:22942236.1/51

All: 136.715+/-0.015 χ^2/NDF: 41257182.5/98



Right In: -512.476+/-622.324 χ^2/NDF: 20.1/23

Left Out: -1062.372+/-505.627 χ^2/NDF:21.9/23

Right Out: -578.974+/-585.965 χ^2/NDF: 15.3/27

Left In: -544.260+/-509.433 χ^2/NDF:27.9/22

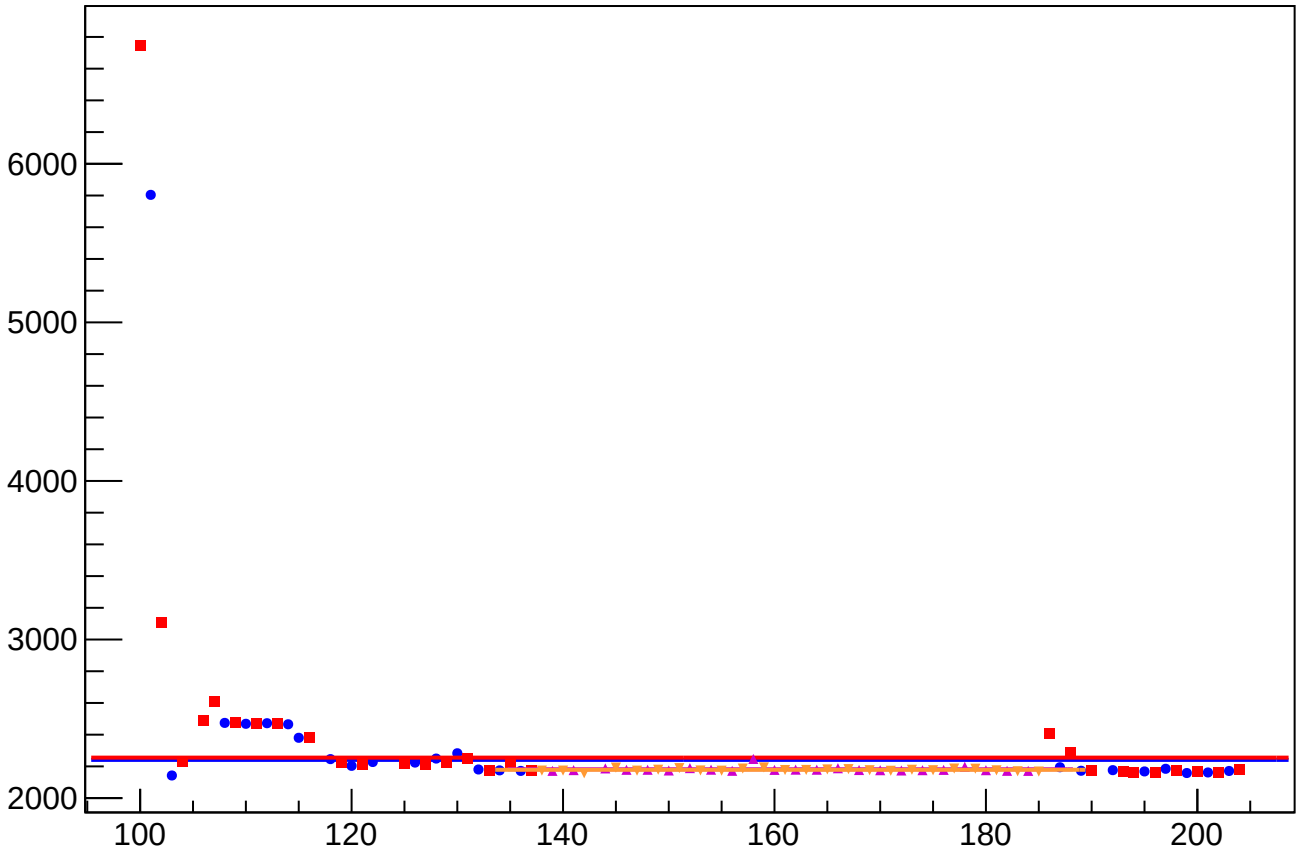
Left: -805.259+/-358.870 χ^2/NDF: 50.3/46

Right: -547.724+/-426.615 χ^2/NDF: 35.4/51

In: -531.507+/-394.199 χ^2/NDF:48.0/46

Out: -856.058+/-382.810 χ^2/NDF:37.6/51

All: -698.539+/-274.626 χ^2/NDF: 85.9/98



Right In: 2240.924+/-0.440 χ^2/NDF: 538438.9/23

Left Out: 2178.503+/-0.358 χ^2/NDF:456.1/23

Right Out: 2255.271+/-0.414 χ^2/NDF: 206811.2/27

Left In: 2181.882+/-0.360 χ^2/NDF:1838.2/22

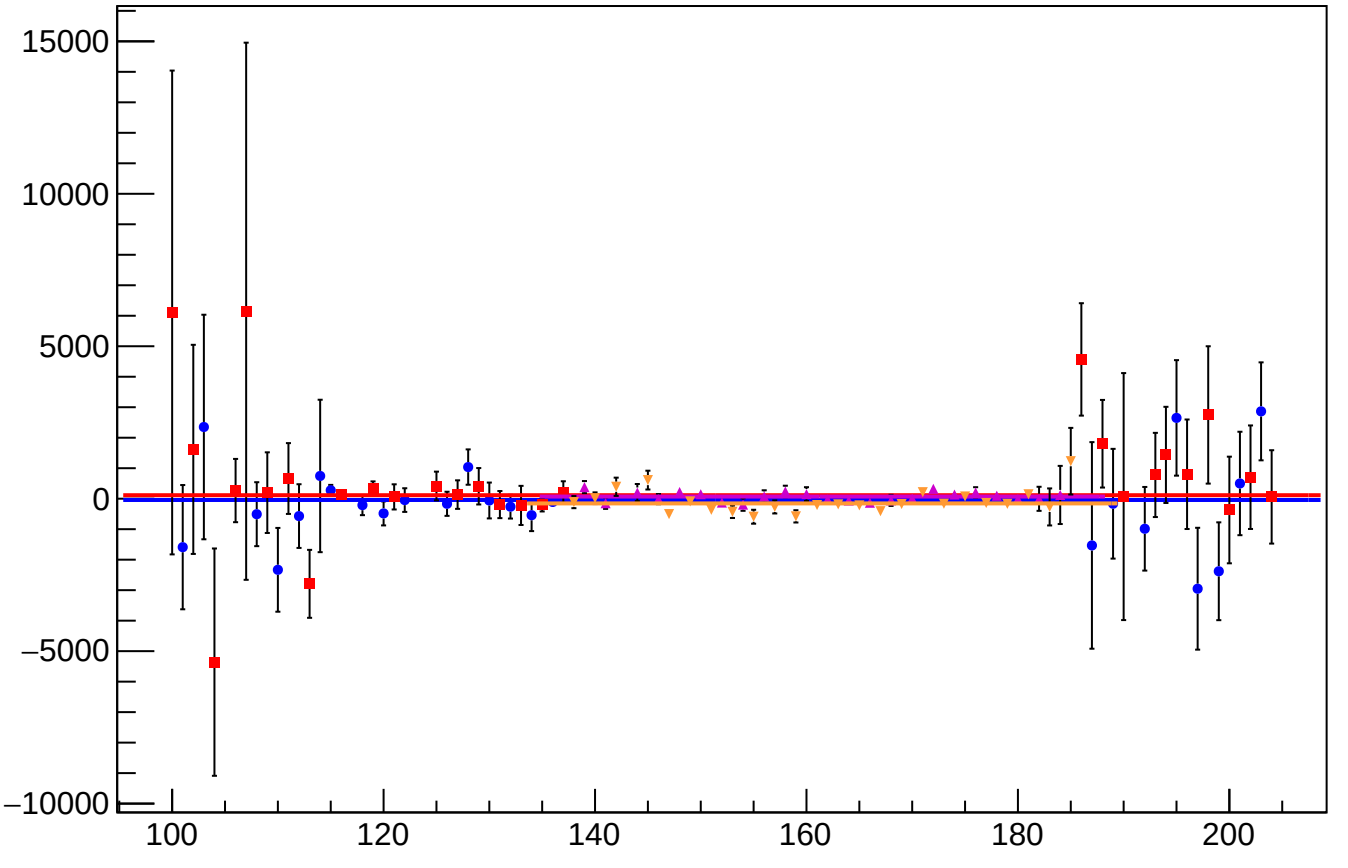
Left: 2180.180+/-0.254 χ^2/NDF: 2338.6/46

Right: 2248.529+/-0.302 χ^2/NDF: 745813.7/51

In: 2205.572+/-0.279 χ^2/NDF:551055.8/46

Out: 2211.268+/-0.271 χ^2/NDF:226944.2/51

All: 2208.503+/-0.194 χ^2/NDF: 778214.9/98



Right In: -42.185+/-91.408 χ^2/NDF: 24.4/23

Left Out: -154.725+/-34.061 χ^2/NDF:47.3/23

Right Out: 114.252+/-85.031 χ^2/NDF: 24.9/27

Left In: 70.142+/-34.204 χ^2/NDF:18.9/22

Left: -42.765+/-24.135 χ^2/NDF: 87.9/46

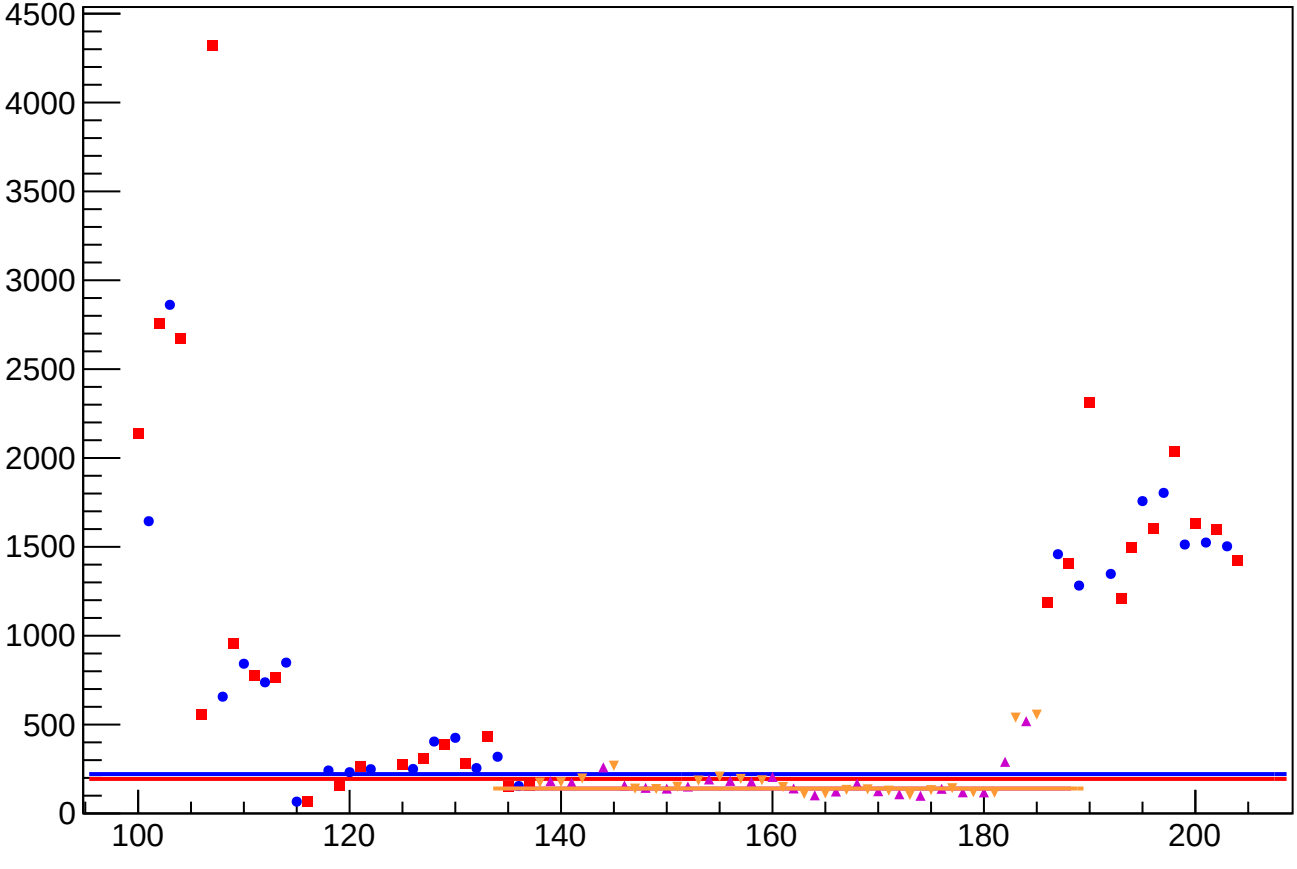
Right: 41.679+/-62.258 χ^2/NDF: 50.9/51

In: 56.345+/-32.035 χ^2/NDF:44.6/46

Out: -117.534+/-31.618 χ^2/NDF:80.9/51

All: -31.733+/-22.503 χ^2/NDF: 140.4/98

asym_us_dd_at1lr_dd_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 221.516+/-0.065 χ^2/NDF: 14432525.7/23

Left Out: 140.319+/-0.024 χ^2/NDF:2760284.0/23

Right Out: 194.316+/-0.060 χ^2/NDF: 18919748.6/27

Left In: 139.979+/-0.024 χ^2/NDF:2412455.4/22

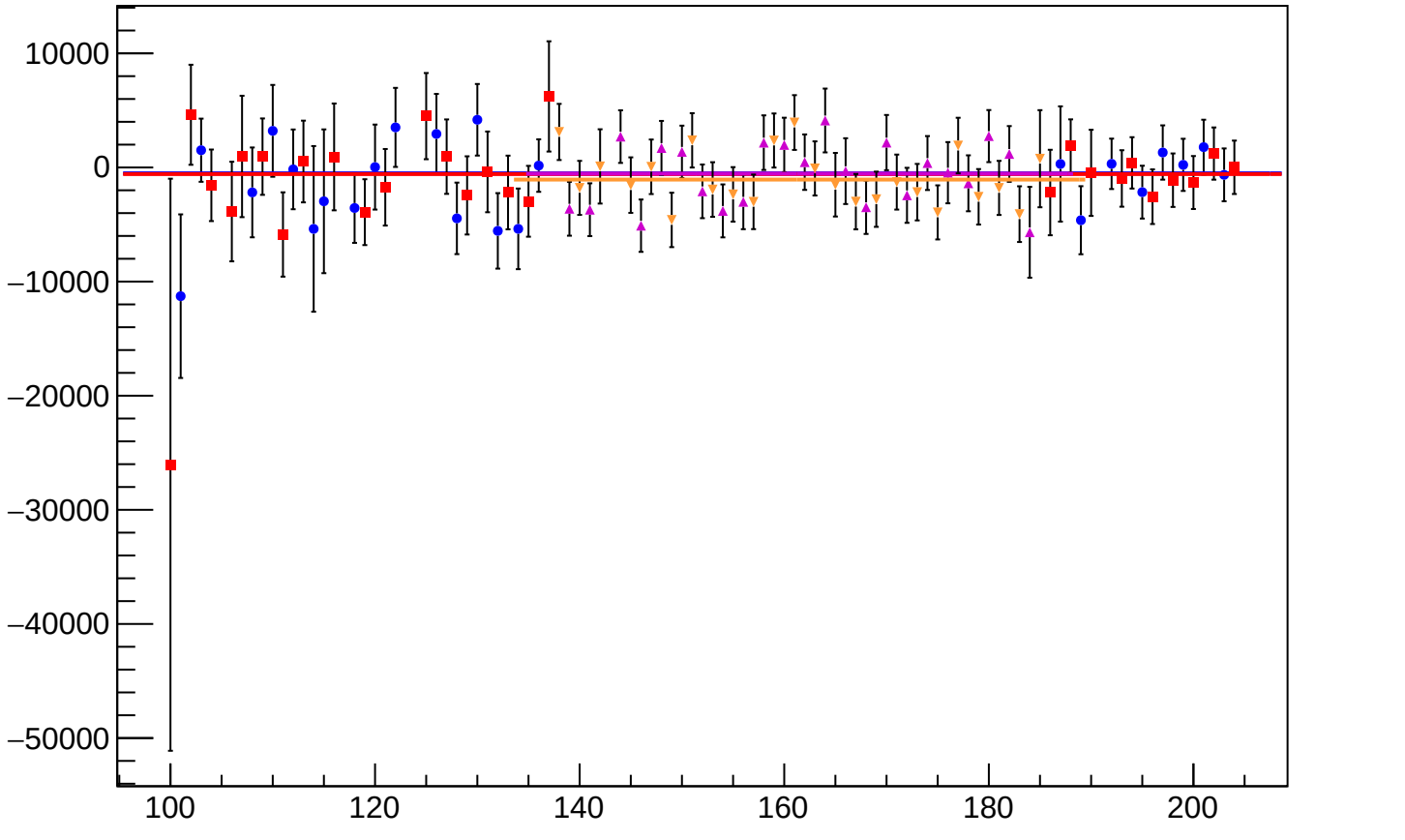
Left: 140.149+/-0.017 χ^2/NDF: 5172838.7/46

Right: 206.934+/-0.044 χ^2/NDF: 33447214.1/51

In: 149.993+/-0.023 χ^2/NDF:18240919.7/46

Out: 147.785+/-0.022 χ^2/NDF:22375033.4/51

All: 148.875+/-0.016 χ^2/NDF: 40620768.8/98



Right In: -512.476+/-622.324 χ^2/NDF: 20.1/23

Left Out: -1062.373+/-505.627 χ^2/NDF:21.9/23

Right Out: -578.972+/-585.965 χ^2/NDF: 15.3/27

Left In: -544.259+/-509.433 χ^2/NDF:27.9/22

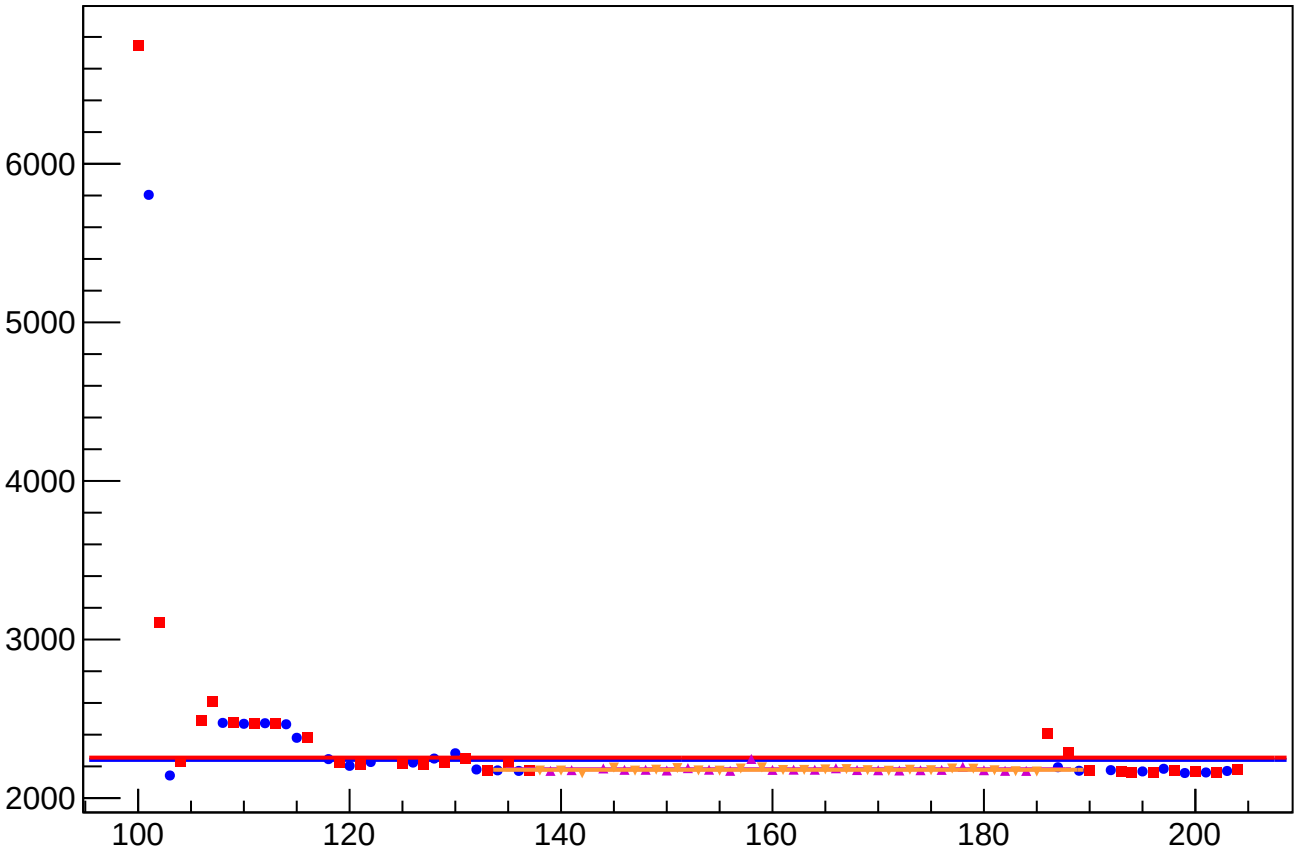
Left: -805.259+/-358.870 χ^2/NDF: 50.3/46

Right: -547.723+/-426.615 χ^2/NDF: 35.4/51

In: -531.507+/-394.199 χ^2/NDF:48.0/46

Out: -856.058+/-382.810 χ^2/NDF:37.6/51

All: -698.538+/-274.626 χ^2/NDF: 85.9/98



Right In: 2240.924+/-0.440 χ^2/NDF: 538439.0/23

Left Out: 2178.503+/-0.358 χ^2/NDF:456.1/23

Right Out: 2255.271+/-0.414 χ^2/NDF: 206811.1/27

Left In: 2181.882+/-0.360 χ^2/NDF:1838.2/22

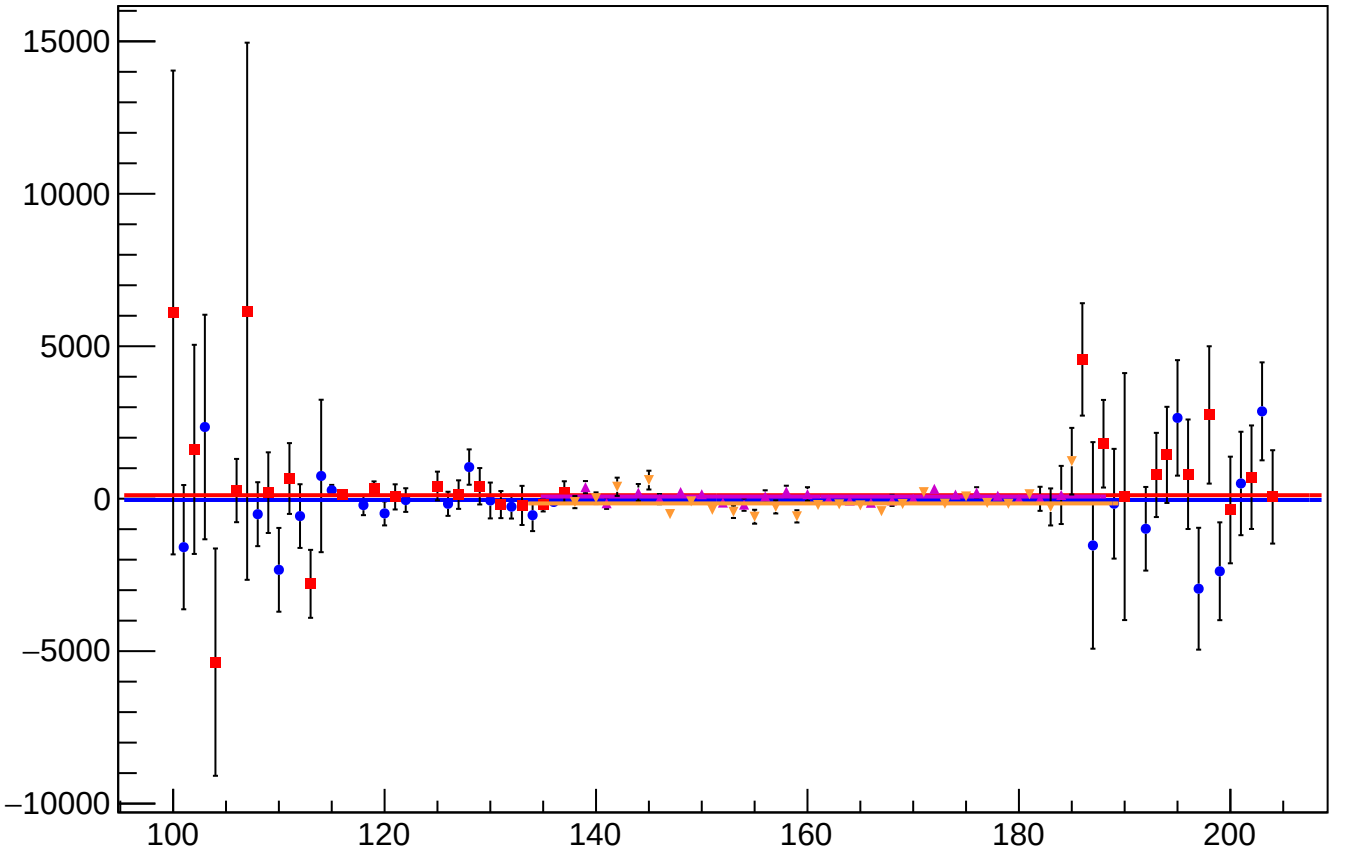
Left: 2180.180+/-0.254 χ^2/NDF: 2338.6/46

Right: 2248.529+/-0.302 χ^2/NDF: 745813.6/51

In: 2205.572+/-0.279 χ^2/NDF:551055.8/46

Out: 2211.268+/-0.271 χ^2/NDF:226944.1/51

All: 2208.503+/-0.194 χ^2/NDF: 778214.8/98



Right In: -42.182+/-91.407 χ^2/NDF: 24.4/23

Left Out: -154.726+/-34.061 χ^2/NDF:47.3/23

Right Out: 114.252+/-85.031 χ^2/NDF: 24.9/27

Left In: 70.141+/-34.204 χ^2/NDF:18.9/22

Left: -42.766+/-24.135 χ^2/NDF: 87.9/46

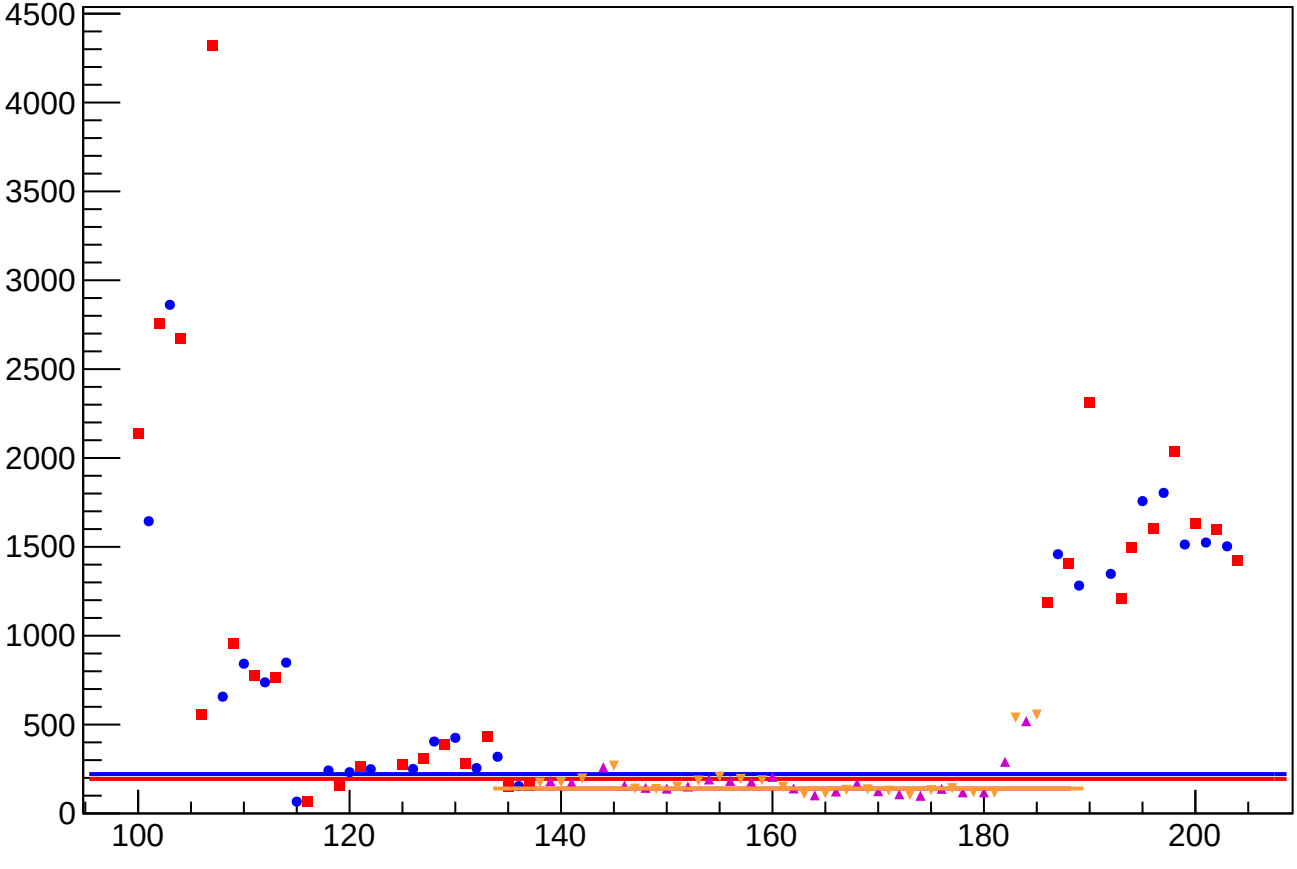
Right: 41.681+/-62.258 χ^2/NDF: 50.9/51

In: 56.344+/-32.035 χ^2/NDF:44.6/46

Out: -117.535+/-31.618 χ^2/NDF:80.9/51

All: -31.733+/-22.503 χ^2/NDF: 140.4/98

asym_us_dd_at1lr_dd_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 221.513+/-0.065 χ^2/NDF: 14432600.3/23

Left Out: 140.319+/-0.024 χ^2/NDF:2760280.2/23

Right Out: 194.313+/-0.060 χ^2/NDF: 18919855.6/27

Left In: 139.979+/-0.024 χ^2/NDF:2412509.5/22

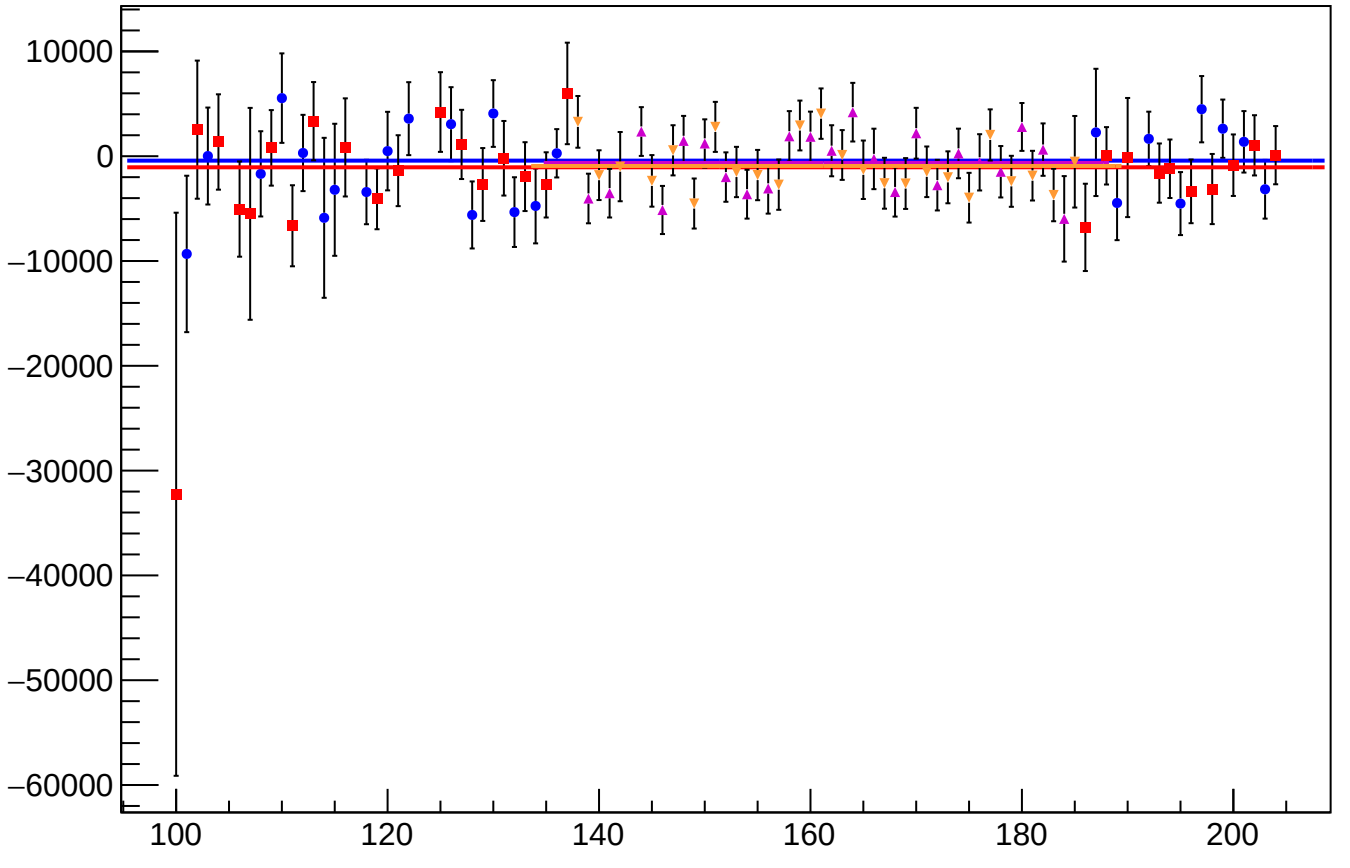
Left: 140.150+/-0.017 χ^2/NDF: 5172889.1/46

Right: 206.931+/-0.044 χ^2/NDF: 33447398.1/51

In: 149.993+/-0.023 χ^2/NDF:18240969.1/46

Out: 147.785+/-0.022 χ^2/NDF:22375064.7/51

All: 148.875+/-0.016 χ^2/NDF: 40620849.1/98



Right In: -422.718+/-701.802 χ^2/NDF: 24.8/23

Left Out: -932.002+/-507.717 χ^2/NDF:22.4/23

Right Out: -1059.198+/-674.275 χ^2/NDF: 16.8/27

Left In: -642.773+/-511.372 χ^2/NDF:27.0/22

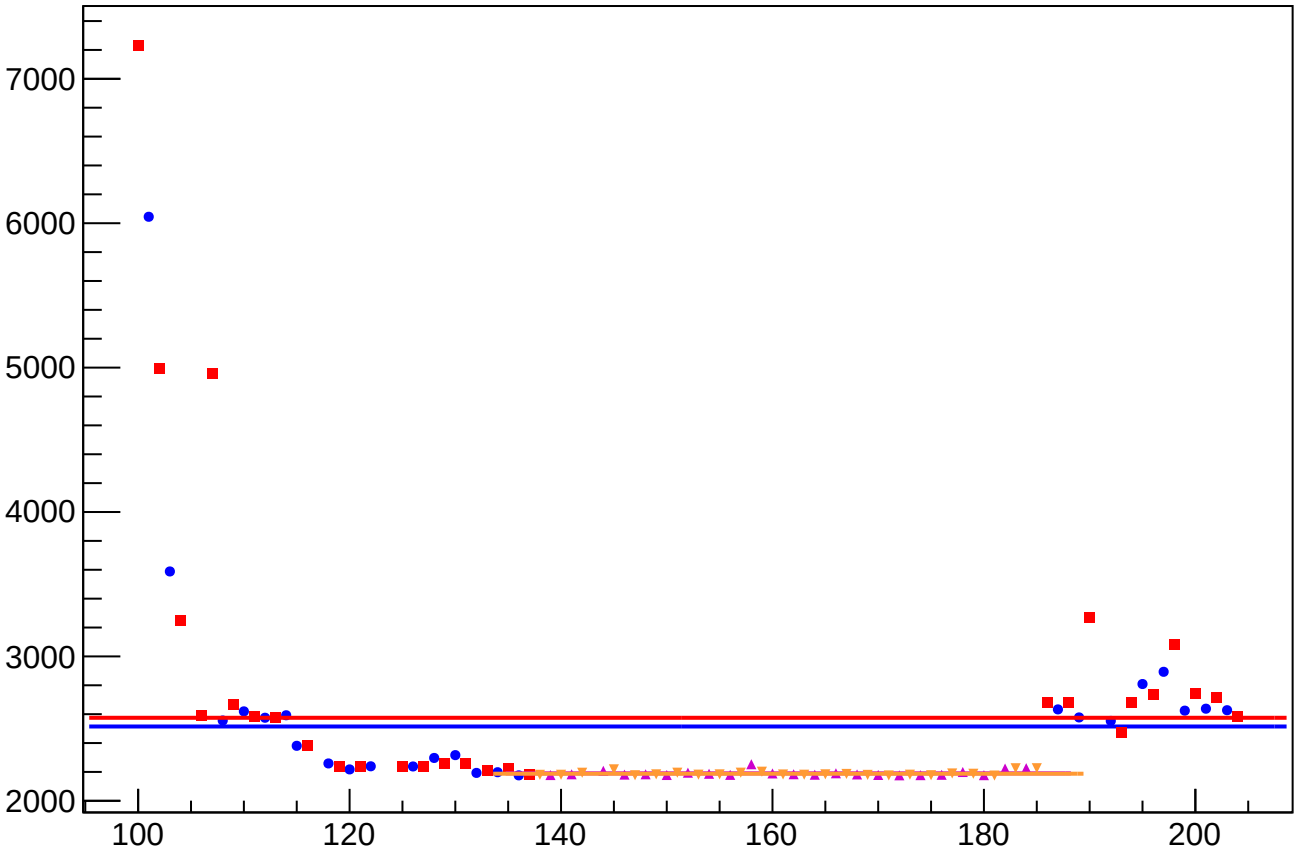
Left: -788.425+/-360.295 χ^2/NDF: 49.6/46

Right: -753.685+/-486.224 χ^2/NDF: 42.0/51

In: -566.456+/-413.293 χ^2/NDF:51.9/46

Out: -978.025+/-405.592 χ^2/NDF:39.2/51

All: -776.111+/-289.481 χ^2/NDF: 91.6/98



Right In: 2514.661+/-0.496 χ^2/NDF: 763668.3/23

Left Out: 2187.620+/-0.359 χ^2/NDF:1342.1/23

Right Out: 2574.972+/-0.477 χ^2/NDF: 771846.1/27

Left In: 2190.163+/-0.362 χ^2/NDF:2542.8/22

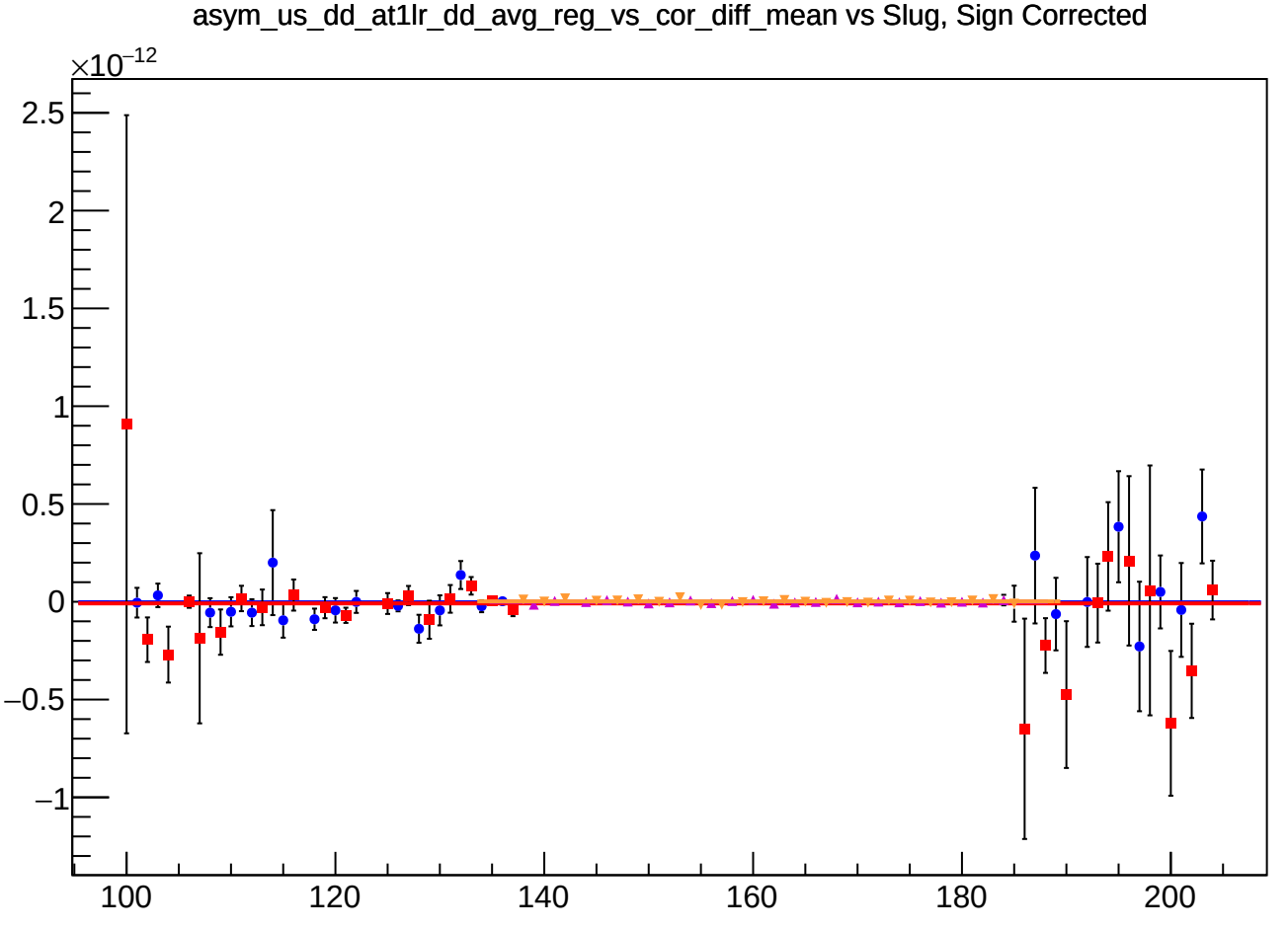
Left: 2188.882+/-0.255 χ^2/NDF: 3909.8/46

Right: 2546.022+/-0.344 χ^2/NDF: 1543195.0/51

In: 2302.701+/-0.292 χ^2/NDF:1045508.4/46

Out: 2327.776+/-0.287 χ^2/NDF:1194404.1/51

All: 2315.474+/-0.205 χ^2/NDF: 2243662.8/98



Right In: -0.000+/-0.000 χ^2/NDF: 21.9/23

Left Out: 0.000+/-0.000 χ^2/NDF:19.4/23

Right Out: -0.000+/-0.000 χ^2/NDF: 30.1/27

Left In: -0.000+/-0.000 χ^2/NDF:13.3/22

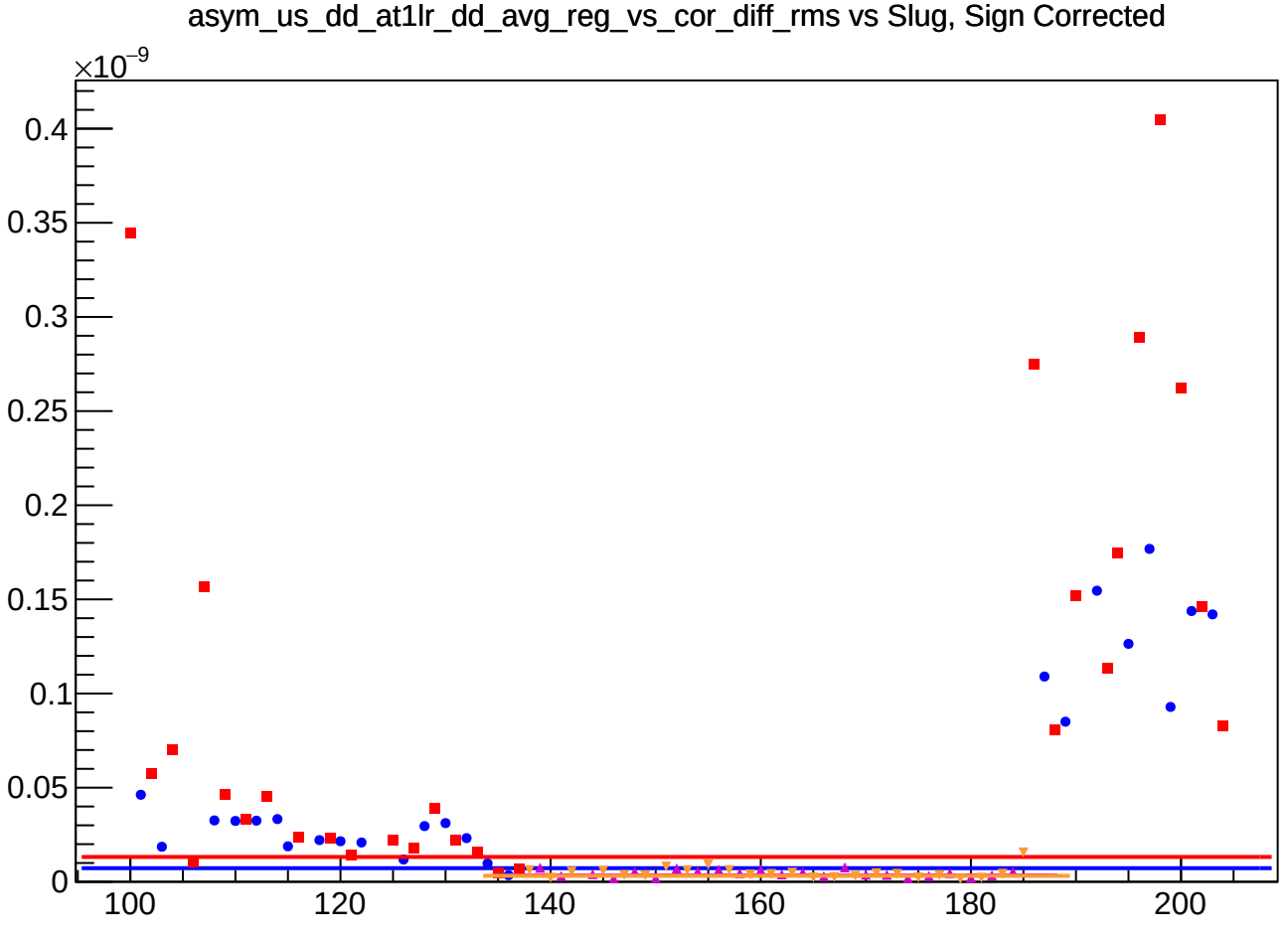
Left: 0.000+/-0.000 χ^2/NDF: 33.7/46

Right: -0.000+/-0.000 χ^2/NDF: 52.3/51

In: -0.000+/-0.000 χ^2/NDF:35.4/46

Out: 0.000+/-0.000 χ^2/NDF:50.7/51

All: 0.000+/-0.000 χ^2/NDF: 87.0/98



Right In: 0.000+/-0.000 χ^2/NDF: 6801850.8/23

Left Out: 0.000+/-0.000 χ^2/NDF:2065501.9/23

Right Out: 0.000+/-0.000 χ^2/NDF: 8620090.9/27

Left In: 0.000+/-0.000 χ^2/NDF:1703481.0/22

Left: 0.000+/-0.000 χ^2/NDF: 3787444.9/46

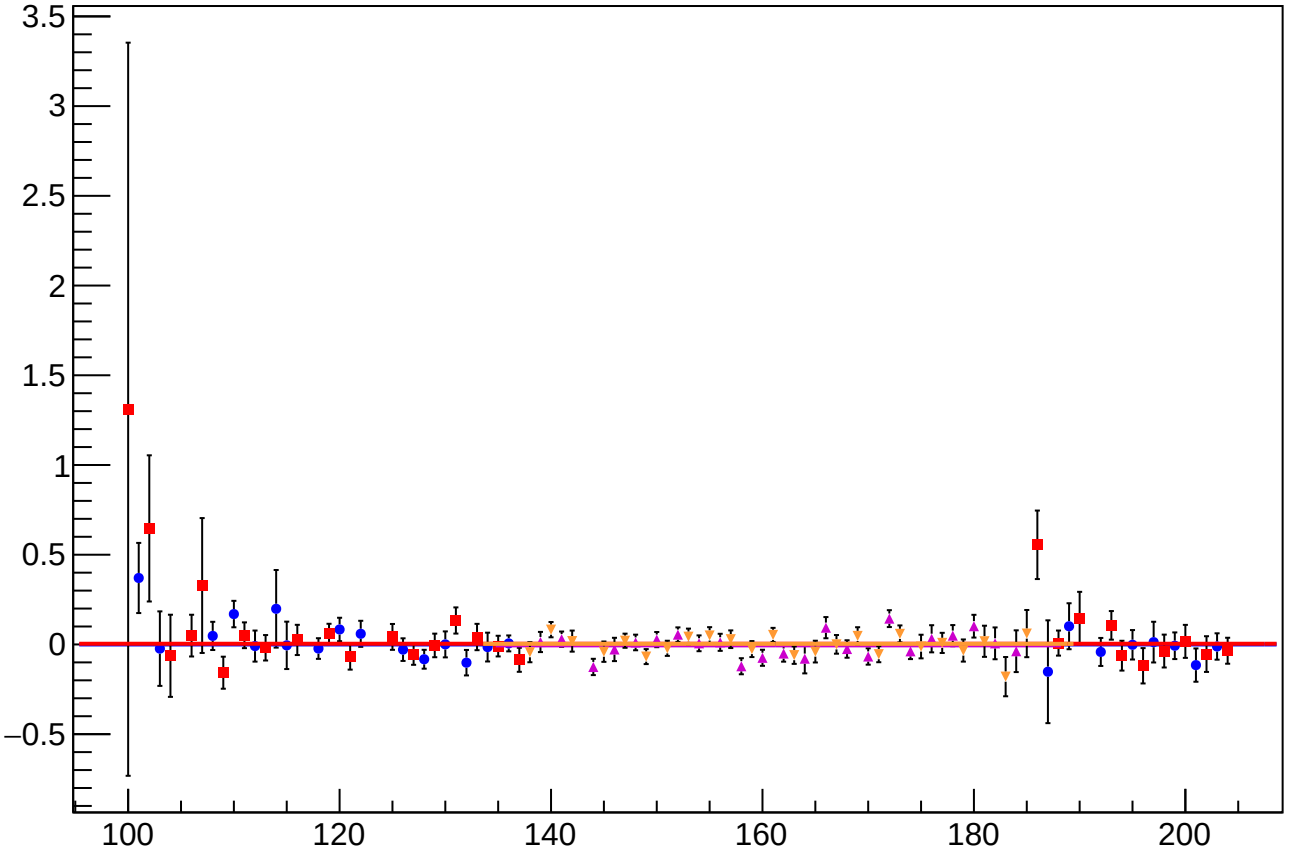
Right: 0.000+/-0.000 χ^2/NDF: 15955898.4/51

In: 0.000+/-0.000 χ^2/NDF:9208954.7/46

Out: 0.000+/-0.000 χ^2/NDF:12777996.1/51

All: 0.000+/-0.000 χ^2/NDF: 22008205.9/98

asym_us_dd_at1lr_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.016 χ^2/NDF: 20.1/23

Left Out: 0.003+/-0.010 χ^2/NDF:21.8/23

Right Out: 0.004+/-0.016 χ^2/NDF: 30.3/27

Left In: -0.005+/-0.011 χ^2/NDF:41.4/22

Left: -0.001+/-0.007 χ^2/NDF: 63.6/46

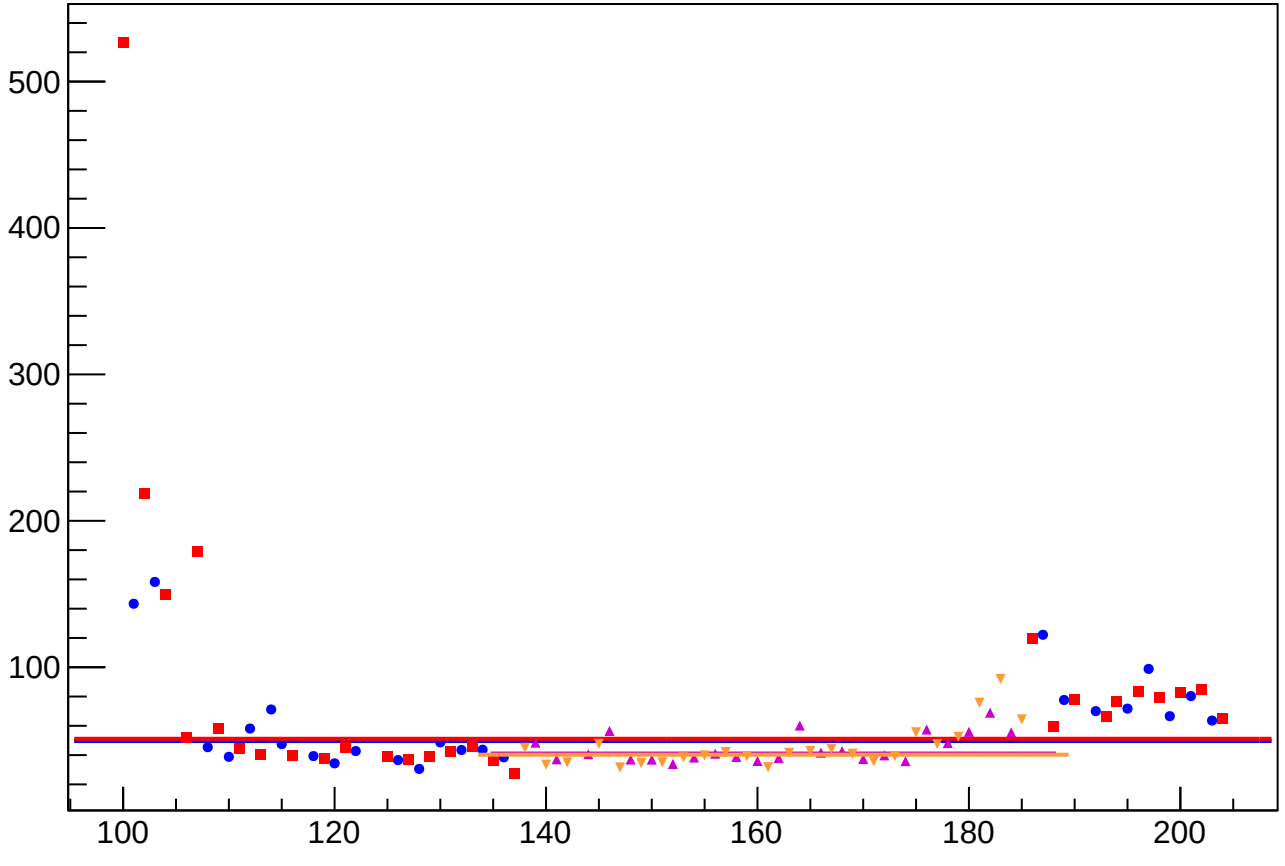
Right: 0.002+/-0.011 χ^2/NDF: 50.4/51

In: -0.004+/-0.009 χ^2/NDF:61.6/46

Out: 0.003+/-0.009 χ^2/NDF:52.1/51

All: -0.000+/-0.006 χ^2/NDF: 114.1/98

asym_us_dd_at1lr_dd_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 49.602+/-0.011 χ^2/NDF: 3066807.6/23

Left Out: 40.277+/-0.007 χ^2/NDF:1489065.3/23

Right Out: 51.151+/-0.011 χ^2/NDF: 3519135.4/27

Left In: 41.082+/-0.007 χ^2/NDF:926843.9/22

Left: 40.672+/-0.005 χ^2/NDF: 2421828.9/46

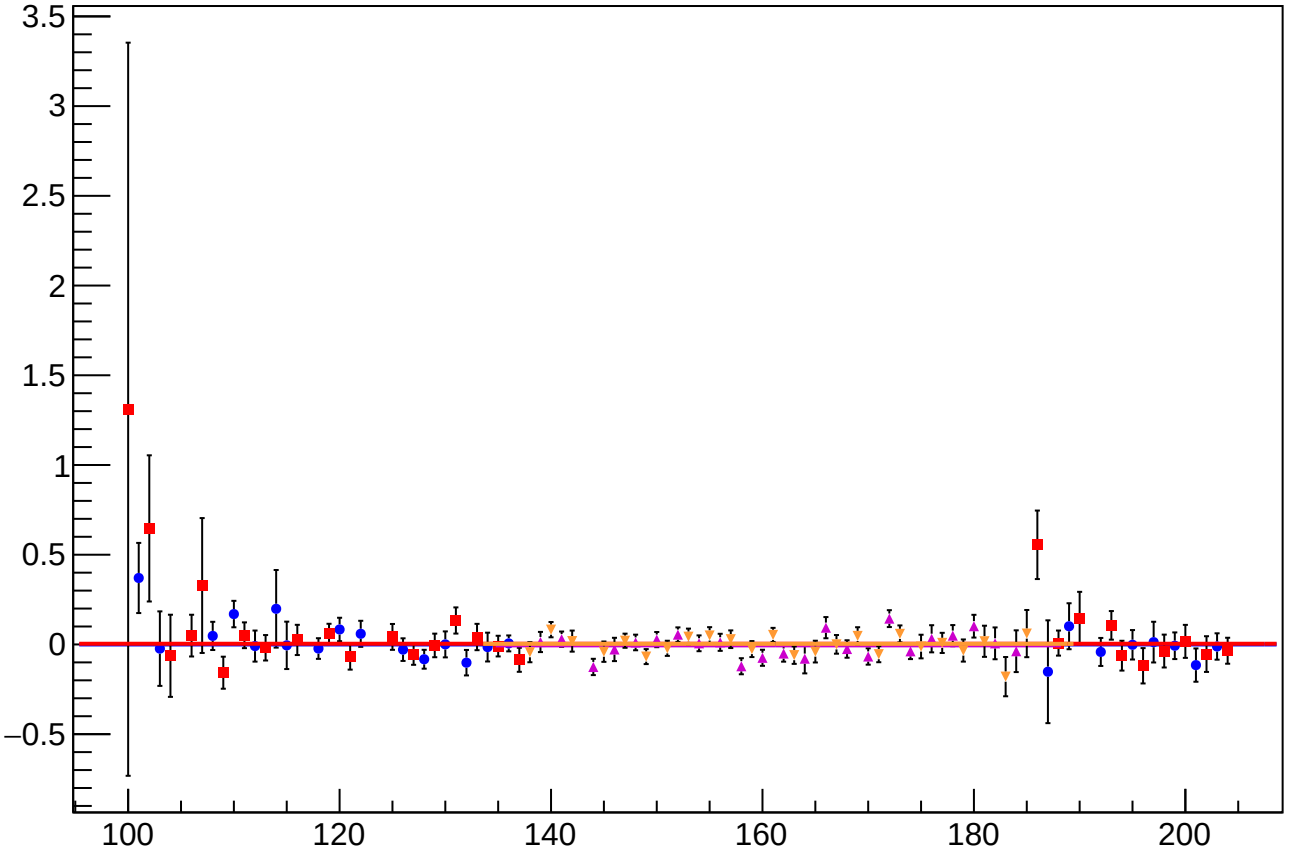
Right: 50.392+/-0.008 χ^2/NDF: 6595598.8/51

In: 43.686+/-0.006 χ^2/NDF:4391376.0/46

Out: 43.609+/-0.006 χ^2/NDF:5682035.3/51

All: 43.647+/-0.004 χ^2/NDF: 10073490.1/98

asym_us_dd_at1lr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.016 χ^2/NDF: 20.1/23

Left Out: 0.003+/-0.010 χ^2/NDF:21.8/23

Right Out: 0.004+/-0.016 χ^2/NDF: 30.3/27

Left In: -0.005+/-0.011 χ^2/NDF:41.4/22

Left: -0.001+/-0.007 χ^2/NDF: 63.6/46

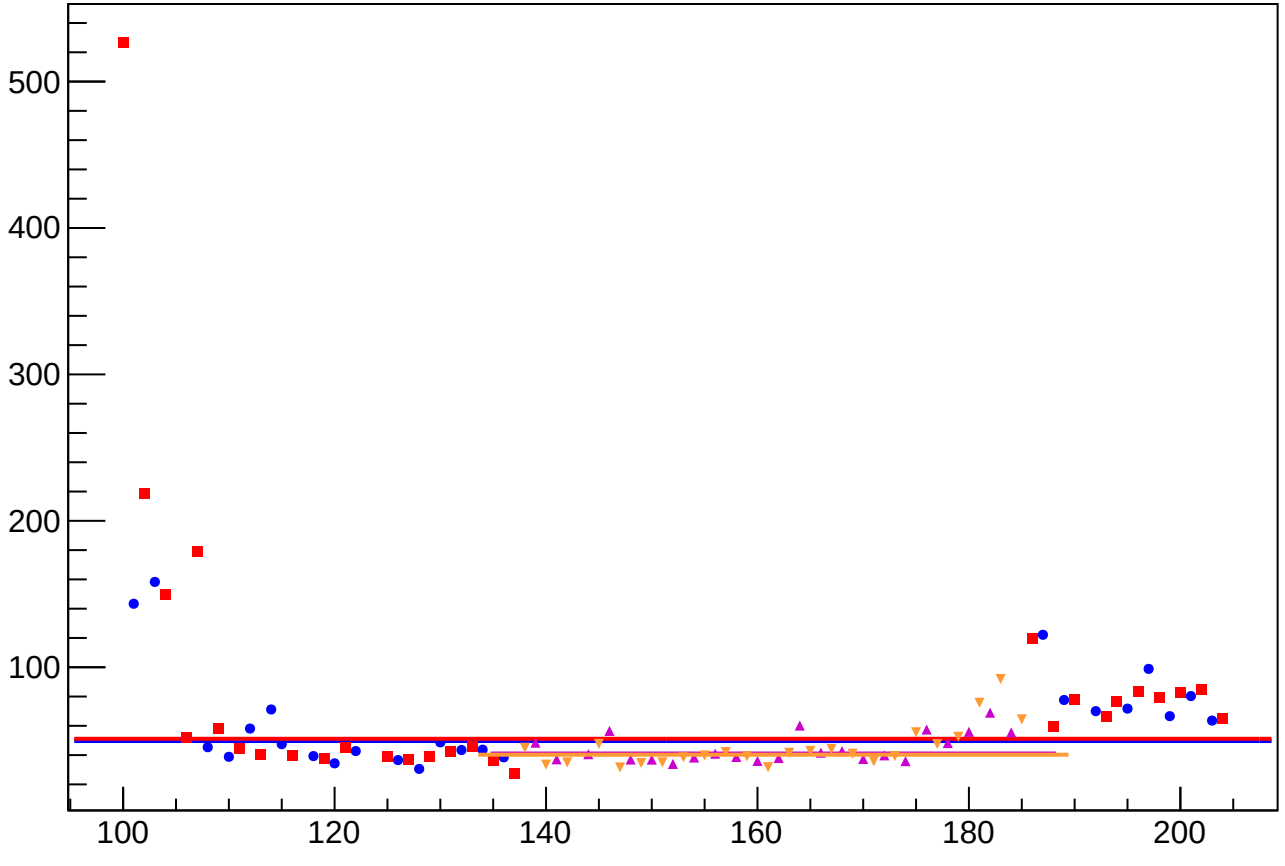
Right: 0.002+/-0.011 χ^2/NDF: 50.4/51

In: -0.004+/-0.009 χ^2/NDF:61.6/46

Out: 0.003+/-0.009 χ^2/NDF:52.1/51

All: -0.000+/-0.006 χ^2/NDF: 114.1/98

asym_us_dd_at1lr_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 49.602+/-0.011 χ^2/NDF: 3066807.6/23

Left Out: 40.277+/-0.007 χ^2/NDF:1489065.3/23

Right Out: 51.151+/-0.011 χ^2/NDF: 3519135.4/27

Left In: 41.082+/-0.007 χ^2/NDF:926843.9/22

Left: 40.672+/-0.005 χ^2/NDF: 2421828.9/46

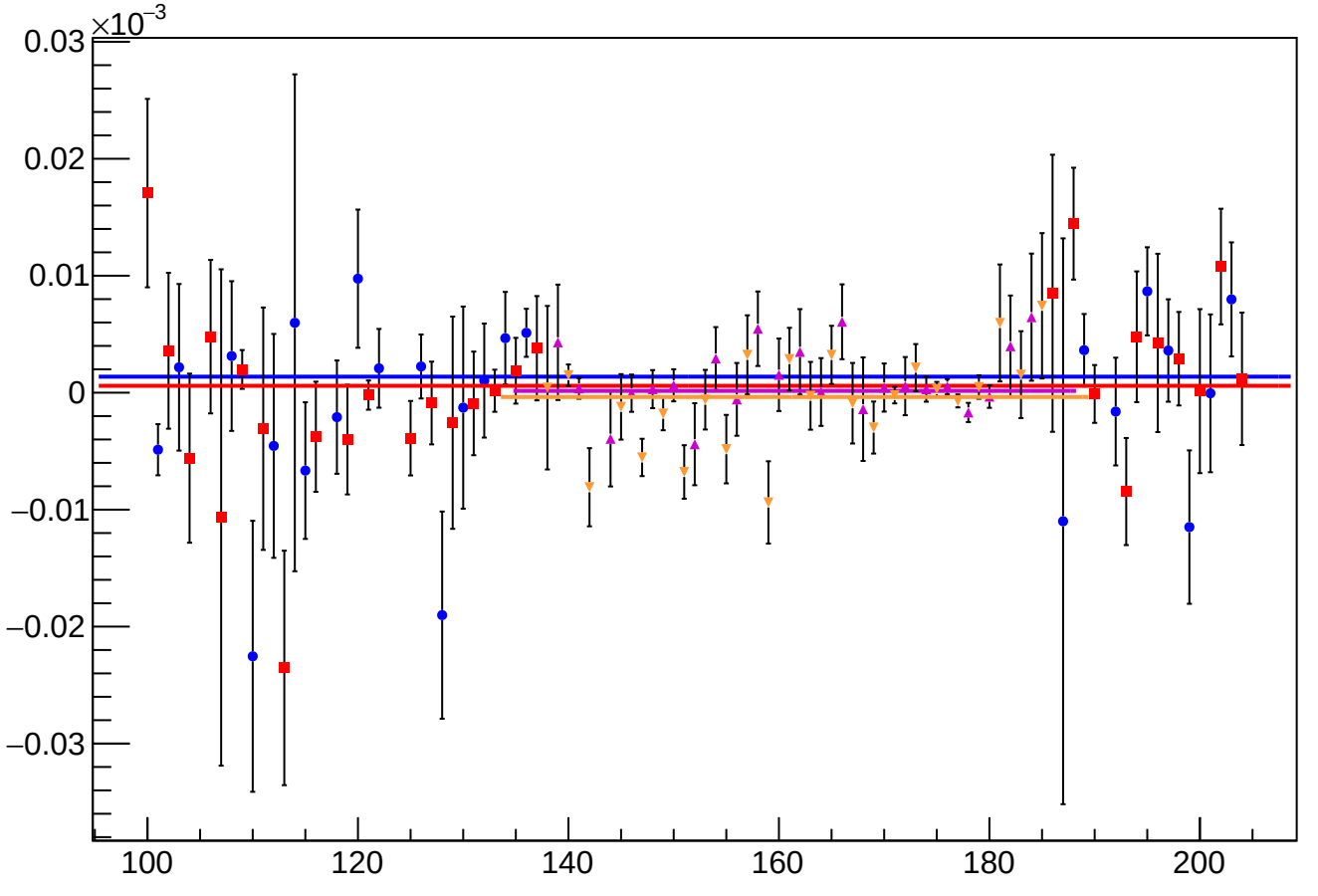
Right: 50.392+/-0.008 χ^2/NDF: 6595598.8/51

In: 43.686+/-0.006 χ^2/NDF:4391376.0/46

Out: 43.609+/-0.006 χ^2/NDF:5682035.3/51

All: 43.647+/-0.004 χ^2/NDF: 10073490.1/98

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 37.9/23

Left Out: -0.000+/-0.000 χ^2/NDF:51.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 36.1/27

Left In: 0.000+/-0.000 χ^2/NDF:19.9/22

Left: -0.000+/-0.000 χ^2/NDF: 72.6/46

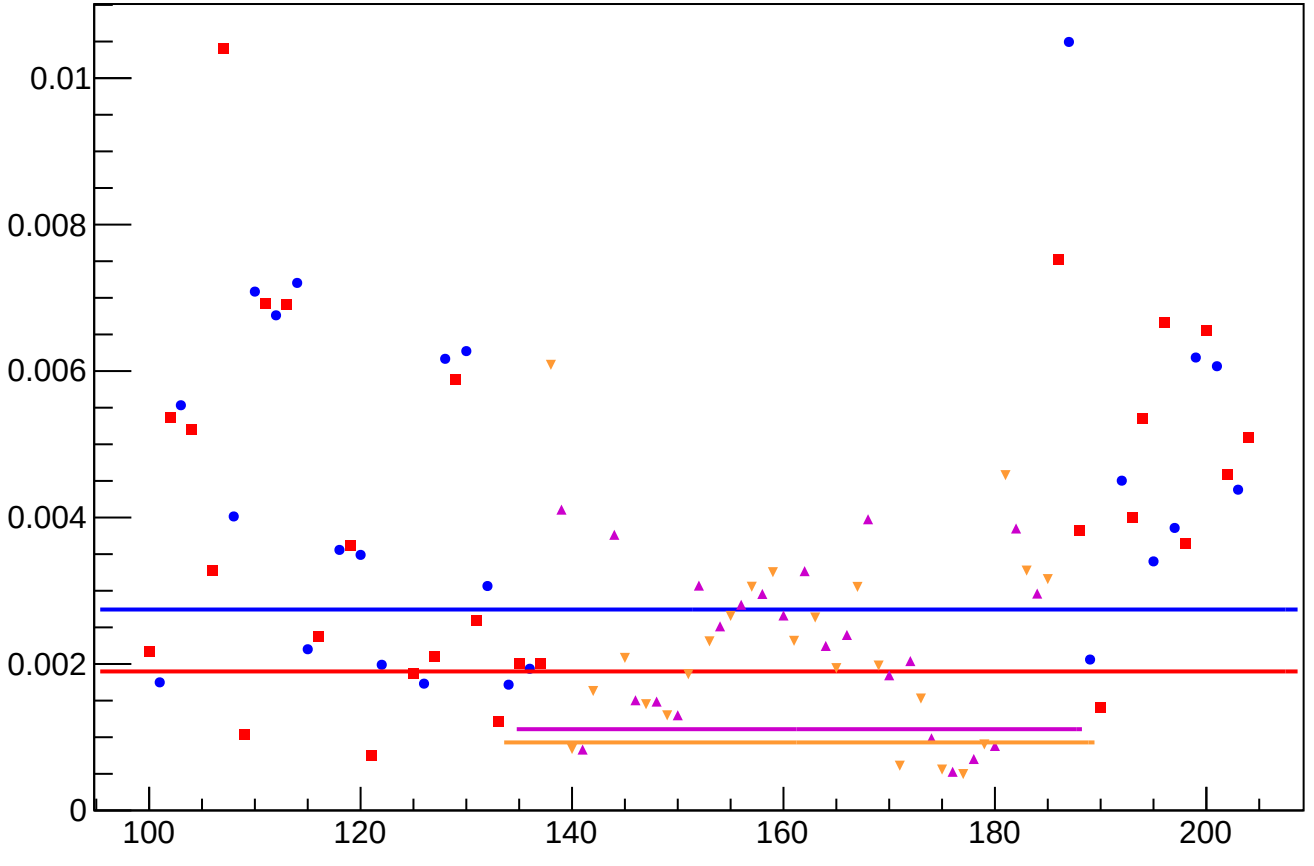
Right: 0.000+/-0.000 χ^2/NDF: 74.5/51

In: 0.000+/-0.000 χ^2/NDF:59.5/46

Out: -0.000+/-0.000 χ^2/NDF:89.1/51

All: -0.000+/-0.000 χ^2/NDF: 150.3/98

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 5133258.2/23

Left Out: 0.001+/-0.000 χ^2/NDF:12568645.9/23

Right Out: 0.002+/-0.000 χ^2/NDF: 10900976.6/27

Left In: 0.001+/-0.000 χ^2/NDF:10930077.0/22

Left: 0.001+/-0.000 χ^2/NDF: 23862151.8/46

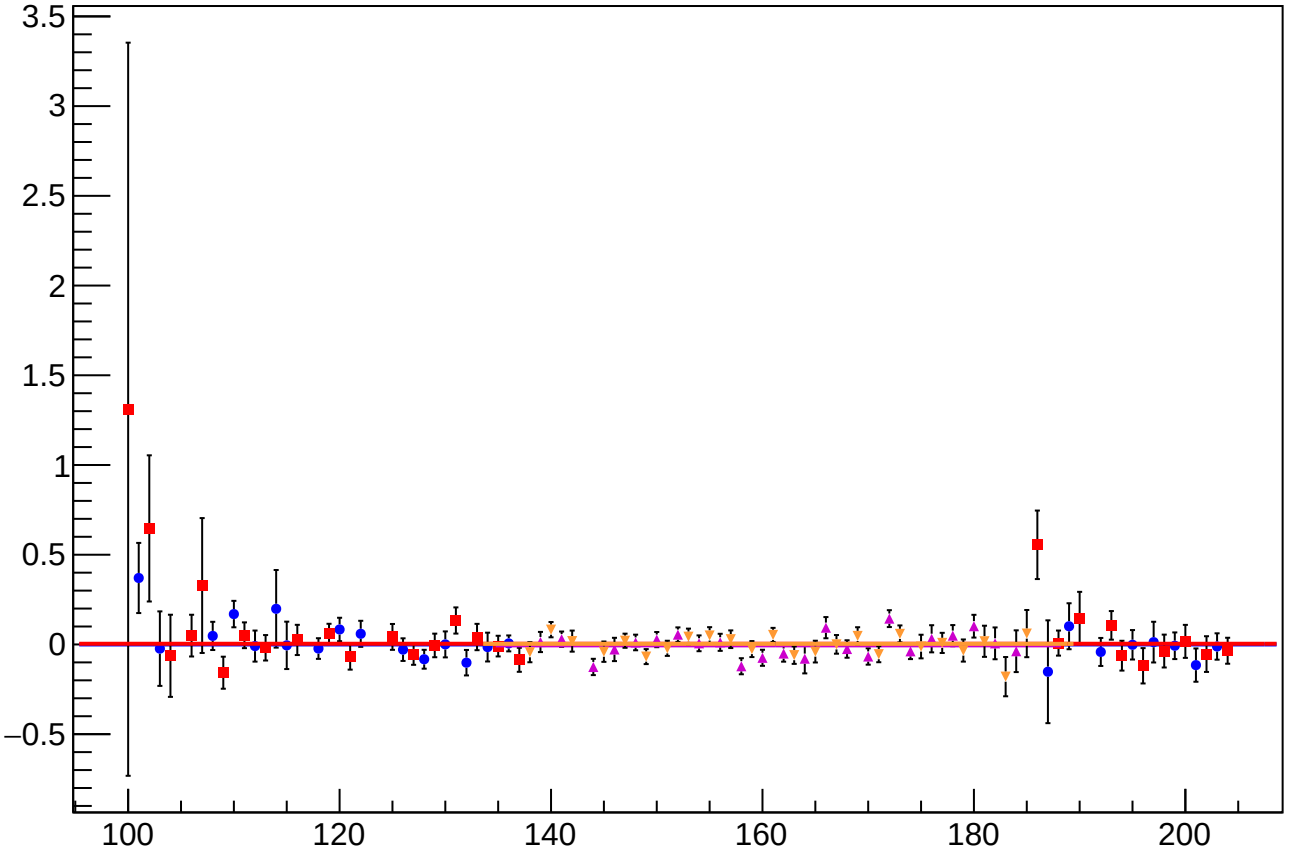
Right: 0.002+/-0.000 χ^2/NDF: 17255999.5/51

In: 0.001+/-0.000 χ^2/NDF:22313096.3/46

Out: 0.001+/-0.000 χ^2/NDF:27258947.9/51

All: 0.001+/-0.000 χ^2/NDF: 50220419.8/98

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.016 χ^2/NDF: 20.1/23

Left Out: 0.003+/-0.010 χ^2/NDF:21.8/23

Right Out: 0.004+/-0.016 χ^2/NDF: 30.3/27

Left In: -0.005+/-0.011 χ^2/NDF:41.4/22

Left: -0.001+/-0.007 χ^2/NDF: 63.6/46

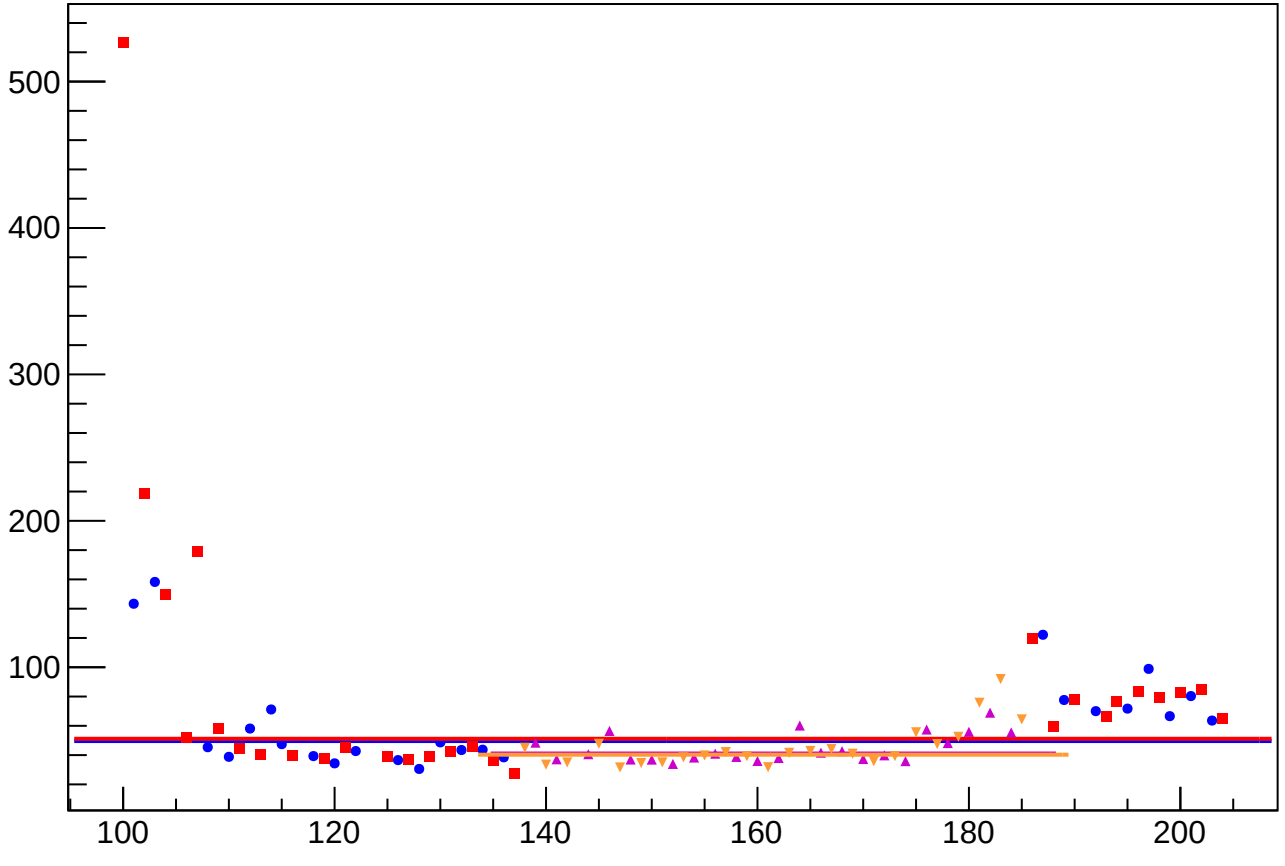
Right: 0.002+/-0.011 χ^2/NDF: 50.4/51

In: -0.004+/-0.009 χ^2/NDF:61.6/46

Out: 0.003+/-0.009 χ^2/NDF:52.1/51

All: -0.000+/-0.006 χ^2/NDF: 114.1/98

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 49.600+/-0.011 χ^2/NDF: 3067279.9/23

Left Out: 40.277+/-0.007 χ^2/NDF:1489049.7/23

Right Out: 51.151+/-0.011 χ^2/NDF: 3519104.9/27

Left In: 41.082+/-0.007 χ^2/NDF:926883.3/22

Left: 40.672+/-0.005 χ^2/NDF: 2421851.2/46

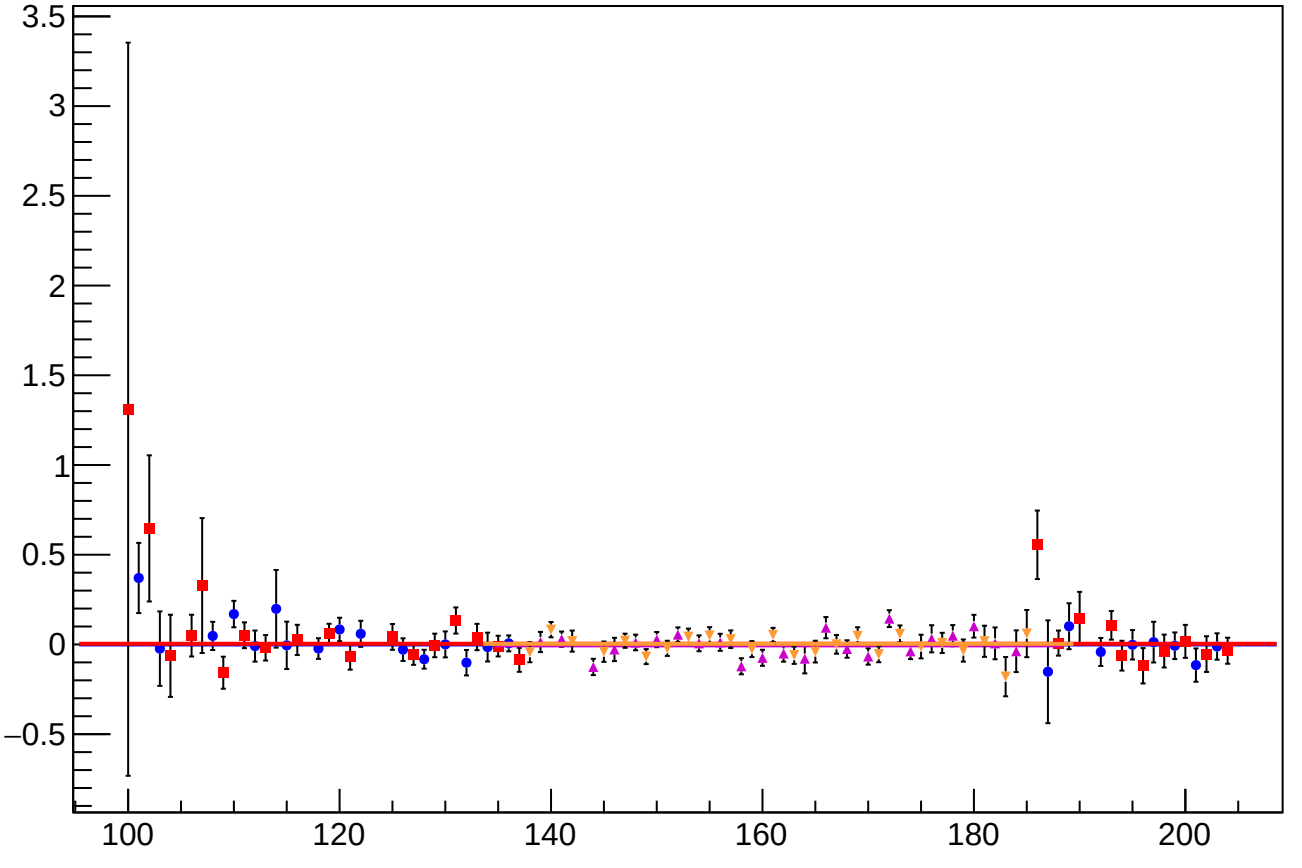
Right: 50.391+/-0.008 χ^2/NDF: 6596076.8/51

In: 43.686+/-0.006 χ^2/NDF:4391687.8/46

Out: 43.609+/-0.006 χ^2/NDF:5682041.3/51

All: 43.647+/-0.004 χ^2/NDF: 10073806.2/98

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.016 χ^2/NDF: 20.1/23

Left Out: 0.003+/-0.010 χ^2/NDF:21.8/23

Right Out: 0.004+/-0.016 χ^2/NDF: 30.3/27

Left In: -0.005+/-0.011 χ^2/NDF:41.4/22

Left: -0.001+/-0.007 χ^2/NDF: 63.6/46

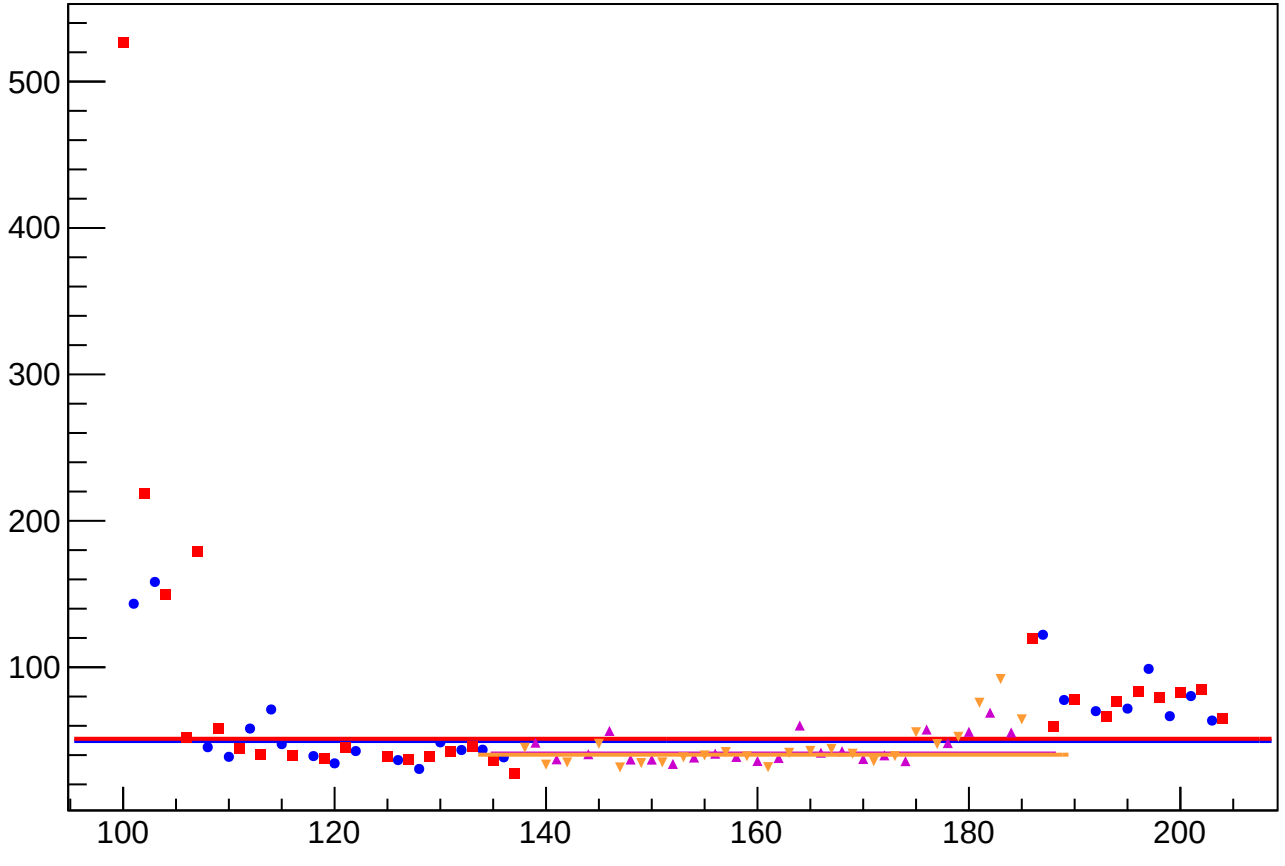
Right: 0.002+/-0.011 χ^2/NDF: 50.4/51

In: -0.004+/-0.009 χ^2/NDF:61.6/46

Out: 0.003+/-0.009 χ^2/NDF:52.1/51

All: -0.000+/-0.006 χ^2/NDF: 114.1/98

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 49.600+/-0.011 χ^2/NDF: 3067279.9/23

Left Out: 40.277+/-0.007 χ^2/NDF:1489049.7/23

Right Out: 51.151+/-0.011 χ^2/NDF: 3519104.9/27

Left In: 41.082+/-0.007 χ^2/NDF:926883.3/22

Left: 40.672+/-0.005 χ^2/NDF: 2421851.2/46

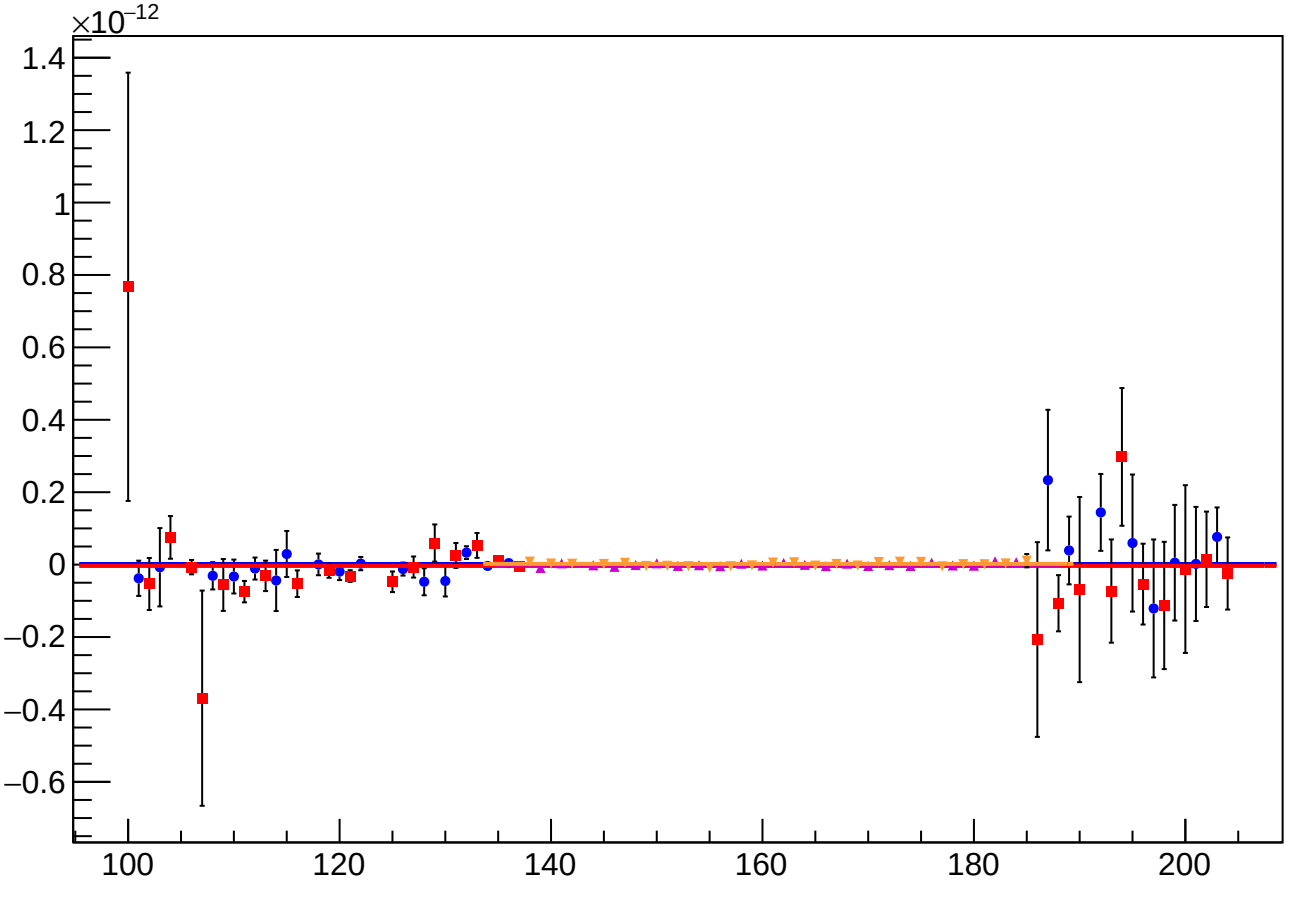
Right: 50.391+/-0.008 χ^2/NDF: 6596076.8/51

In: 43.686+/-0.006 χ^2/NDF:4391687.8/46

Out: 43.609+/-0.006 χ^2/NDF:5682041.3/51

All: 43.647+/-0.004 χ^2/NDF: 10073806.2/98

asym_us_dd_at1lr_dd_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 15.3/23

Left Out: 0.000+/-0.000 χ^2/NDF:25.2/23

Right Out: -0.000+/-0.000 χ^2/NDF: 34.6/27

Left In: -0.000+/-0.000 χ^2/NDF:23.1/22

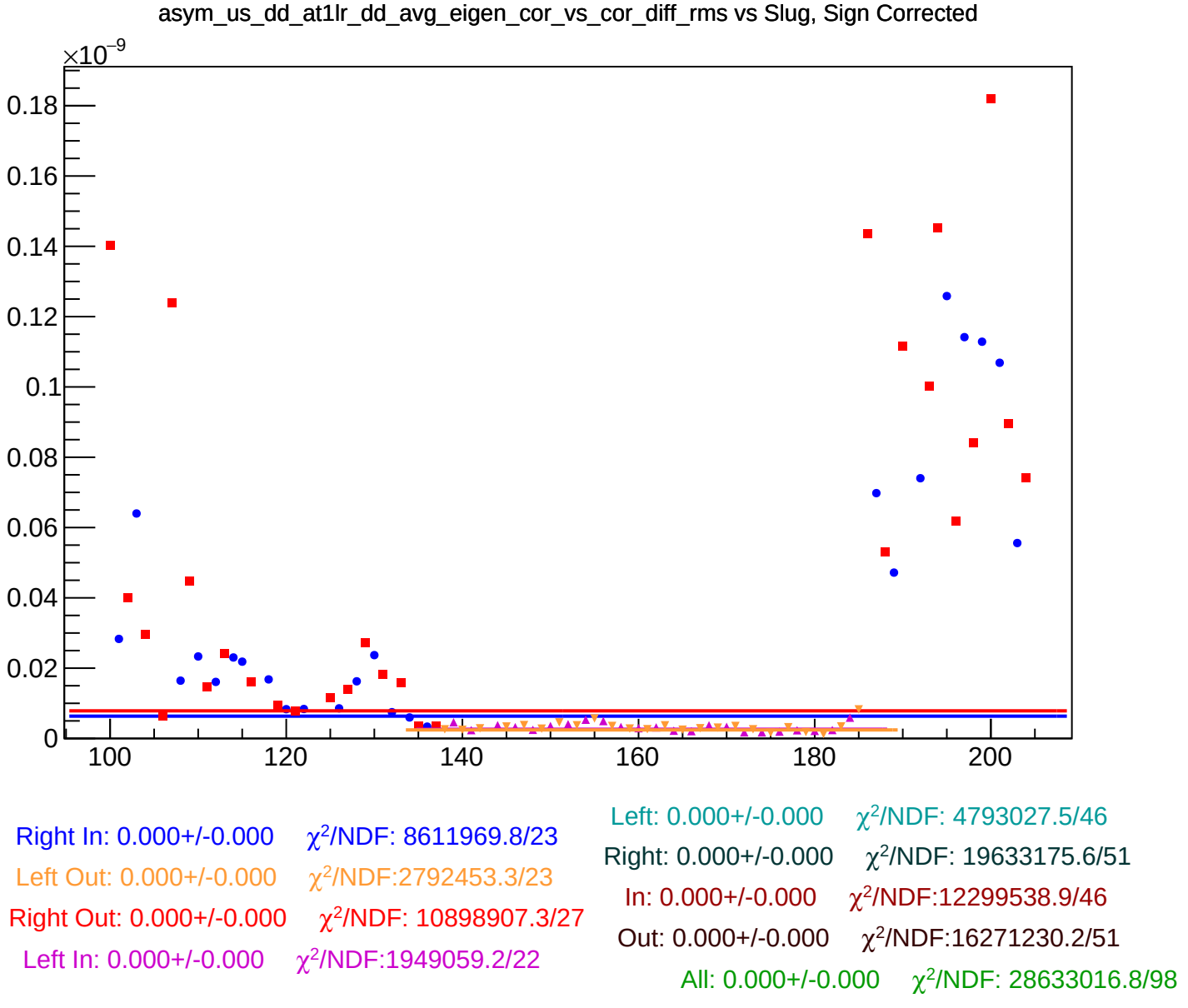
Left: 0.000+/-0.000 χ^2/NDF: 52.2/46

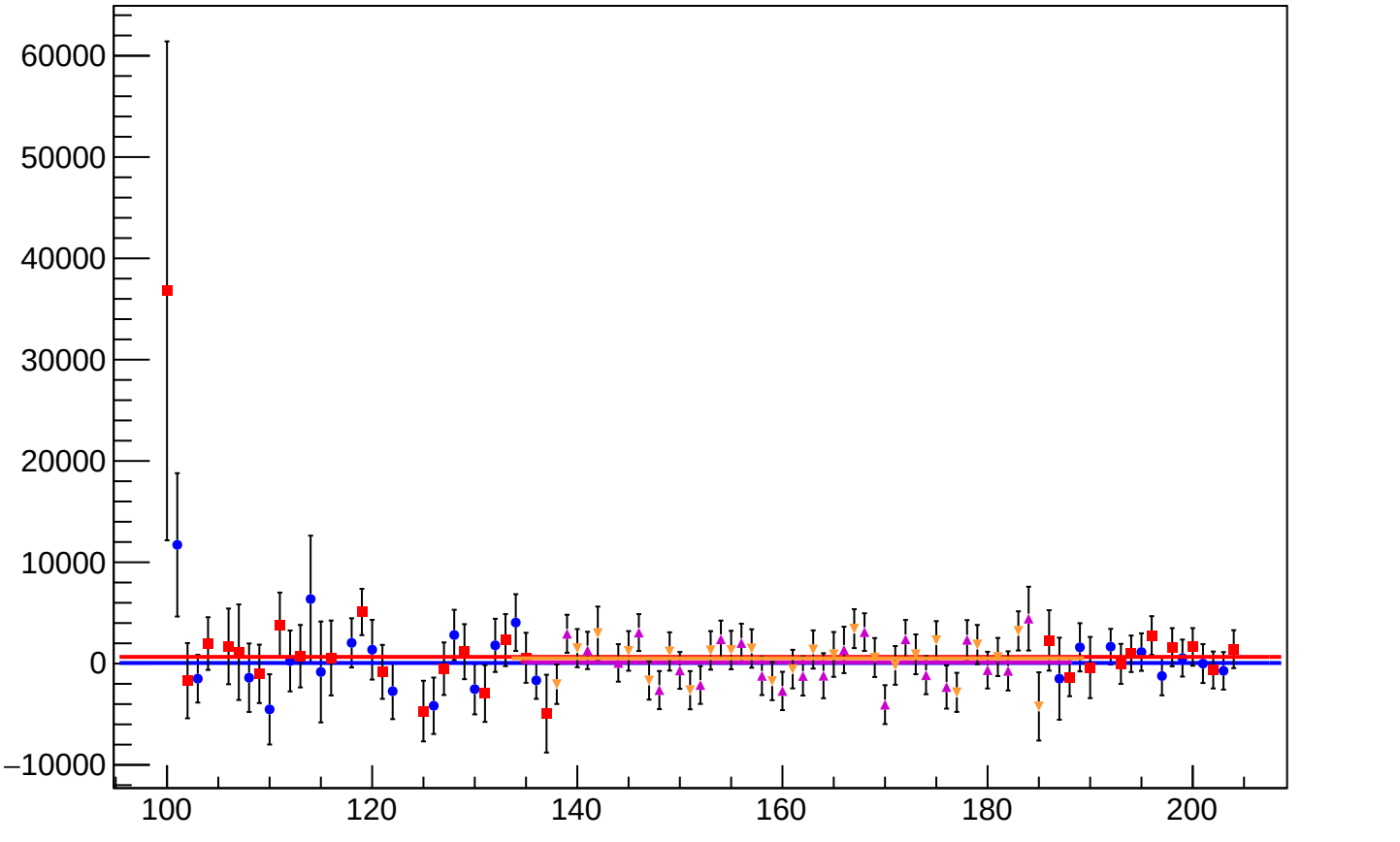
Right: -0.000+/-0.000 χ^2/NDF: 50.7/51

In: -0.000+/-0.000 χ^2/NDF:38.6/46

Out: 0.000+/-0.000 χ^2/NDF:61.2/51

All: 0.000+/-0.000 χ^2/NDF: 103.0/98


asym_us_dd_at1lr_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 8611969.8/23
Left Out: 0.000+/-0.000 χ²/NDF:2792453.3/23
Right Out: 0.000+/-0.000 χ²/NDF: 10898907.3/27
Left In: 0.000+/-0.000 χ²/NDF:1949059.2/22
Left: 0.000+/-0.000 χ²/NDF: 4793027.5/46
Right: 0.000+/-0.000 χ²/NDF: 19633175.6/51
In: 0.000+/-0.000 χ²/NDF:12299538.9/46
Out: 0.000+/-0.000 χ²/NDF:16271230.2/51
All: 0.000+/-0.000 χ²/NDF: 28633016.8/98



Right In: 58.691+/-501.326 χ^2/NDF: 18.4/23

Left Out: 519.929+/-401.705 χ^2/NDF:20.8/23

Right Out: 659.381+/-472.417 χ^2/NDF: 20.1/27

Left In: 126.031+/-404.630 χ^2/NDF:29.5/22

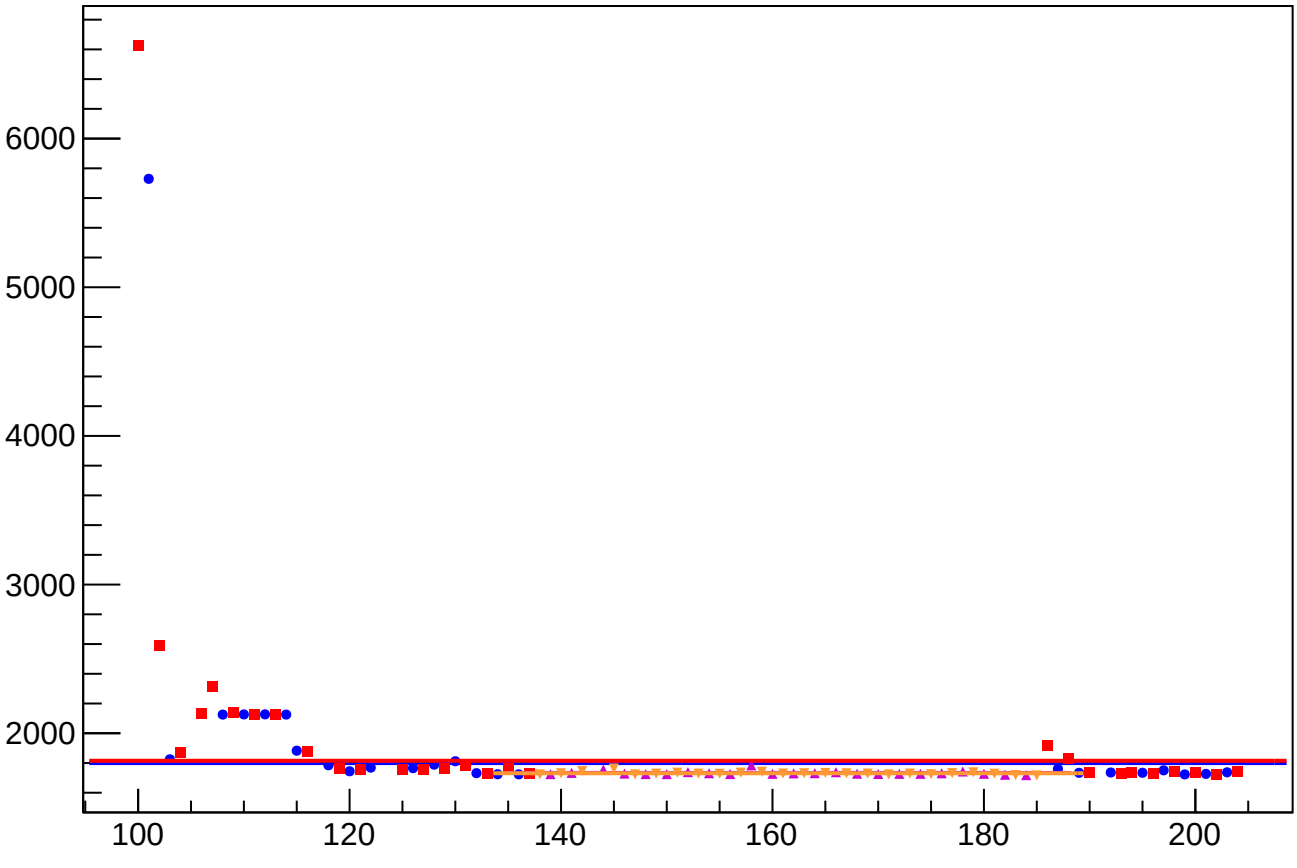
Left: 324.409+/-285.077 χ^2/NDF: 50.7/46

Right: 376.854+/-343.815 χ^2/NDF: 39.3/51

In: 99.467+/-314.866 χ^2/NDF:47.9/46

Out: 578.448+/-306.027 χ^2/NDF:40.9/51

All: 345.775+/-219.452 χ^2/NDF: 90.0/98



Right In: 1799.392+/-0.354 χ^2/NDF: 707759.0/23

Left Out: 1730.847+/-0.284 χ^2/NDF:969.7/23

Right Out: 1814.894+/-0.334 χ^2/NDF: 305869.9/27

Left In: 1733.007+/-0.286 χ^2/NDF:2237.4/22

Left: 1731.919+/-0.202 χ^2/NDF: 3235.8/46

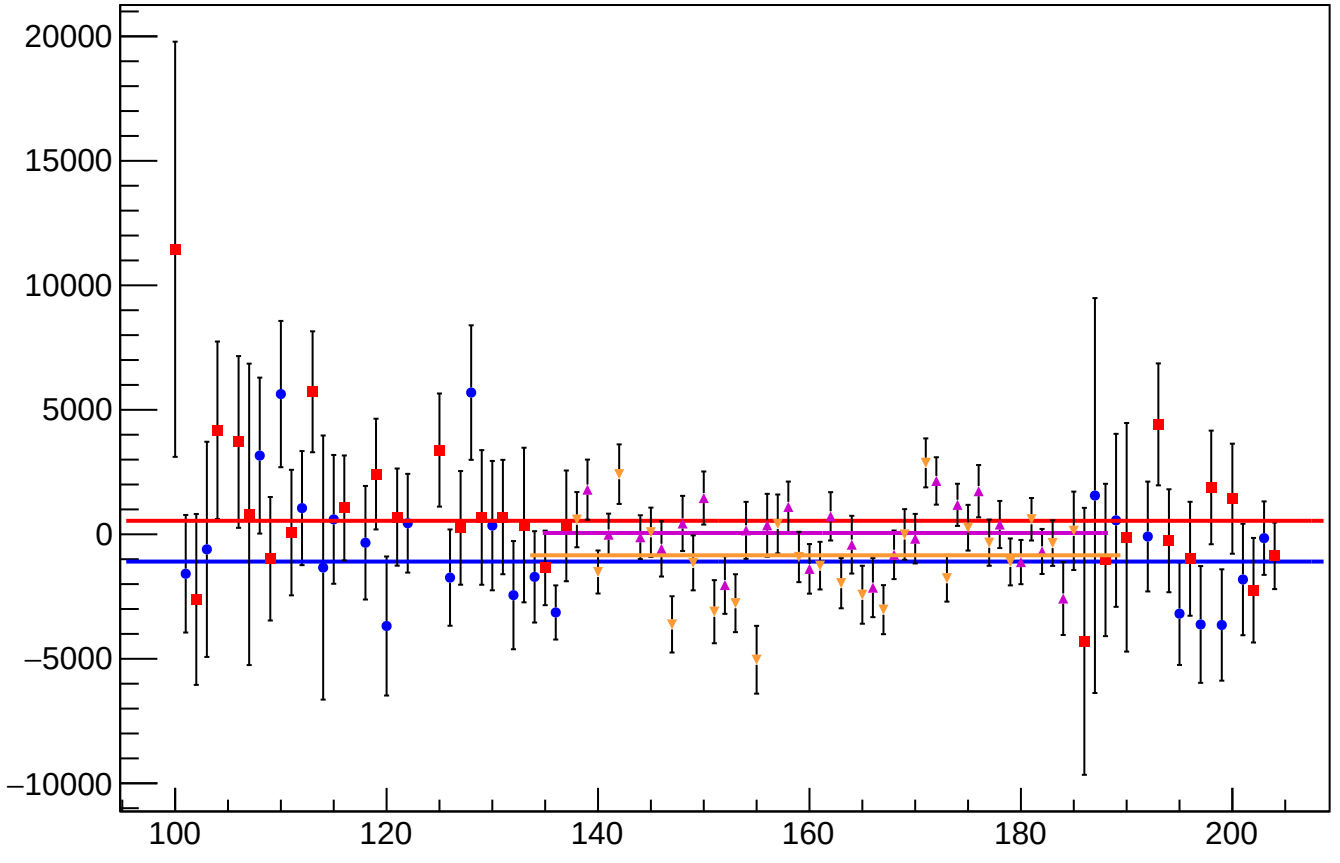
Right: 1807.603+/-0.243 χ^2/NDF: 1014641.7/51

In: 1759.194+/-0.223 χ^2/NDF:731232.1/46

Out: 1766.116+/-0.216 χ^2/NDF:343578.5/51

All: 1762.753+/-0.155 χ^2/NDF: 1075307.6/98

asym_us_dd_at1lr_dd_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: -1094.985+/-452.275 χ^2/NDF: 25.3/23

Left Out: -842.437+/-210.852 χ^2/NDF:62.7/23

Right Out: 542.344+/-451.939 χ^2/NDF: 21.0/27

Left In: 53.905+/-212.966 χ^2/NDF:30.6/22

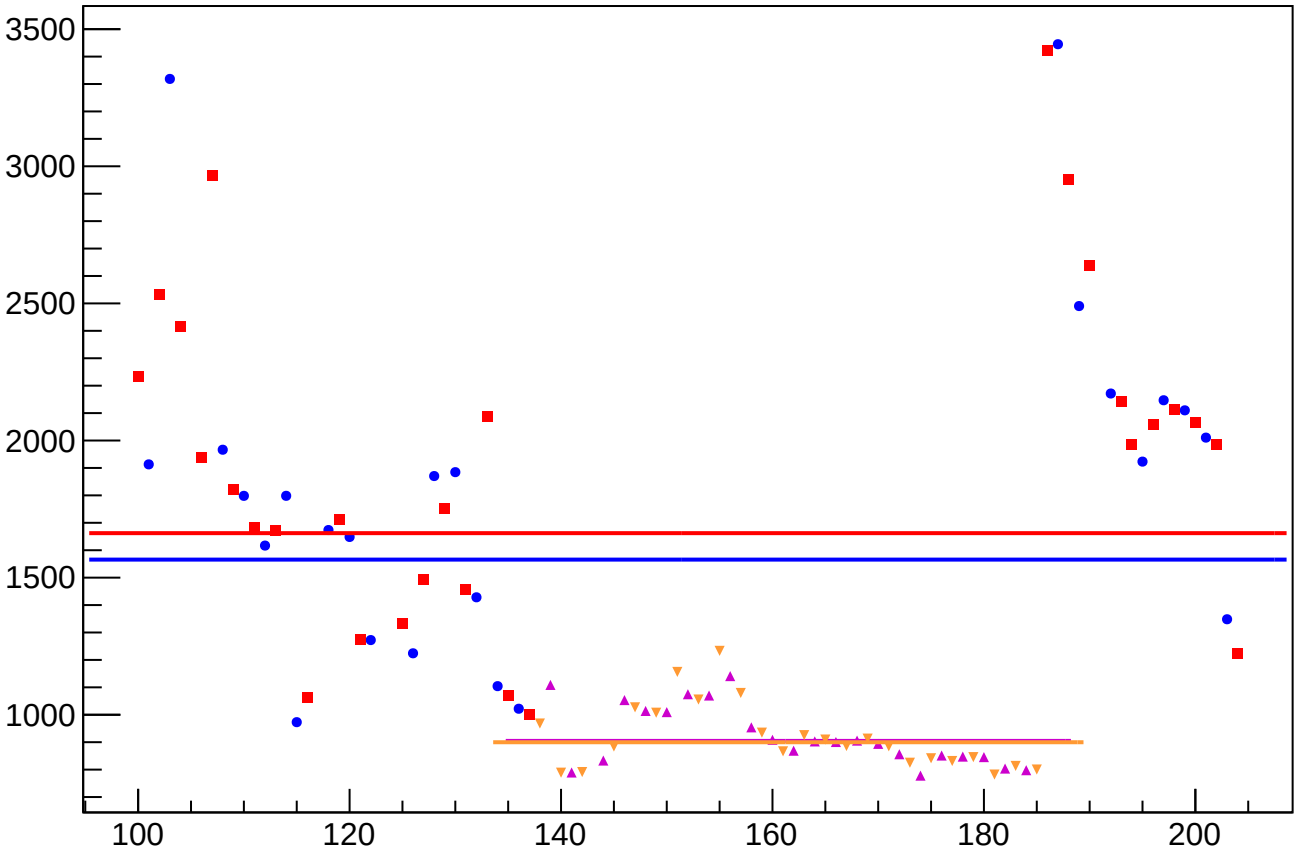
Left: -398.736+/-149.837 χ^2/NDF: 102.3/46

Right: -275.712+/-319.688 χ^2/NDF: 52.8/51

In: -154.602+/-192.674 χ^2/NDF:61.3/46

Out: -594.895+/-191.079 χ^2/NDF:91.4/51

All: -376.578+/-135.674 χ^2/NDF: 155.2/98



Right In: 1565.794+/-0.320 χ^2/NDF: 2158660.5/23

Left Out: 899.811+/-0.149 χ^2/NDF:495328.4/23

Right Out: 1662.253+/-0.320 χ^2/NDF: 2435227.0/27

Left In: 904.656+/-0.151 χ^2/NDF:452251.7/22

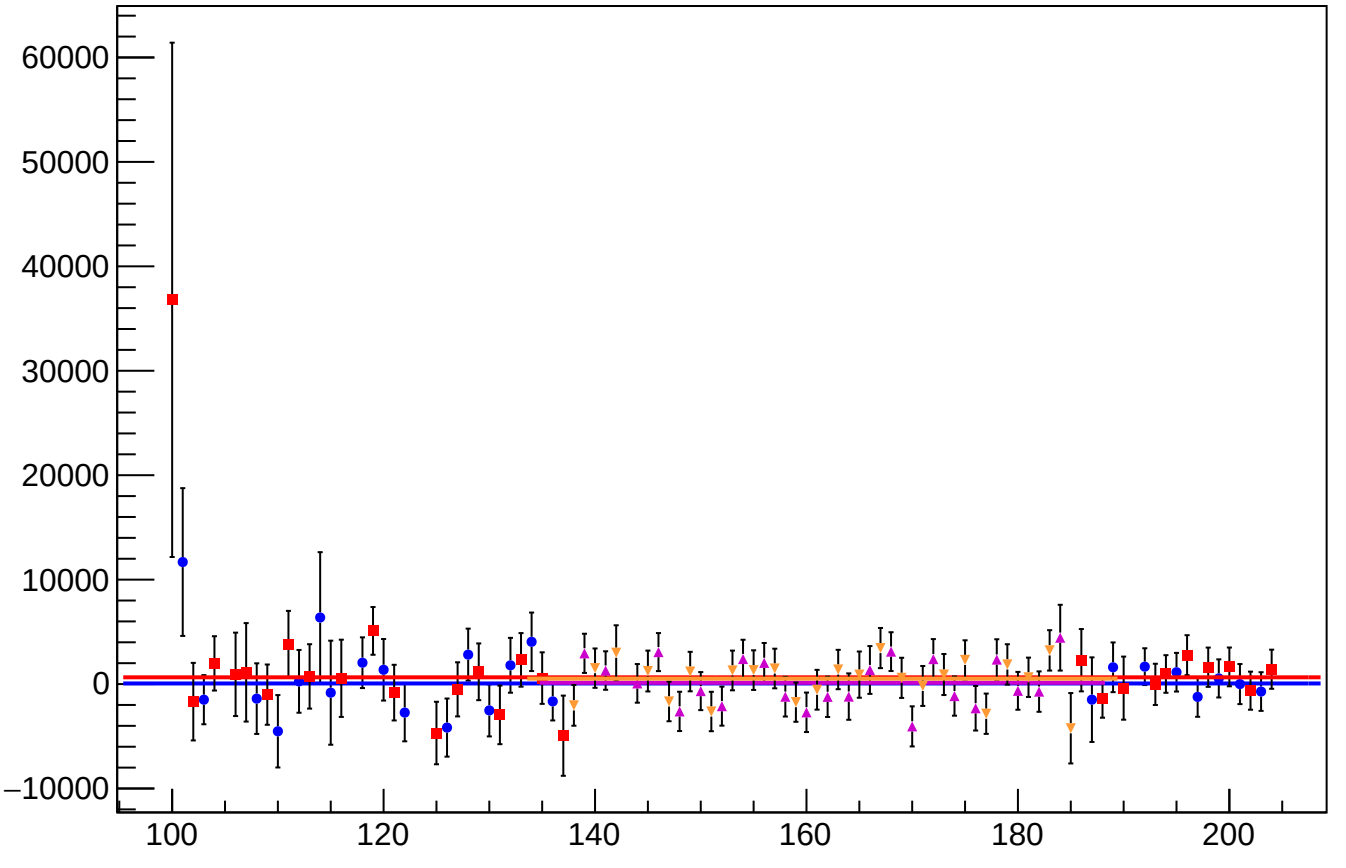
Left: 902.210+/-0.106 χ^2/NDF: 948102.8/46

Right: 1614.060+/-0.226 χ^2/NDF: 4639408.1/51

In: 1024.643+/-0.136 χ^2/NDF:6109033.4/46

Out: 1036.105+/-0.135 χ^2/NDF:7605271.2/51

All: 1030.421+/-0.096 χ^2/NDF: 13717873.0/9



Right In: 58.316+/-501.326 χ^2/NDF: 18.4/23

Left Out: 519.957+/-401.705 χ^2/NDF:20.8/23

Right Out: 646.759+/-472.891 χ^2/NDF: 20.0/27

Left In: 126.091+/-404.630 χ^2/NDF:29.5/22

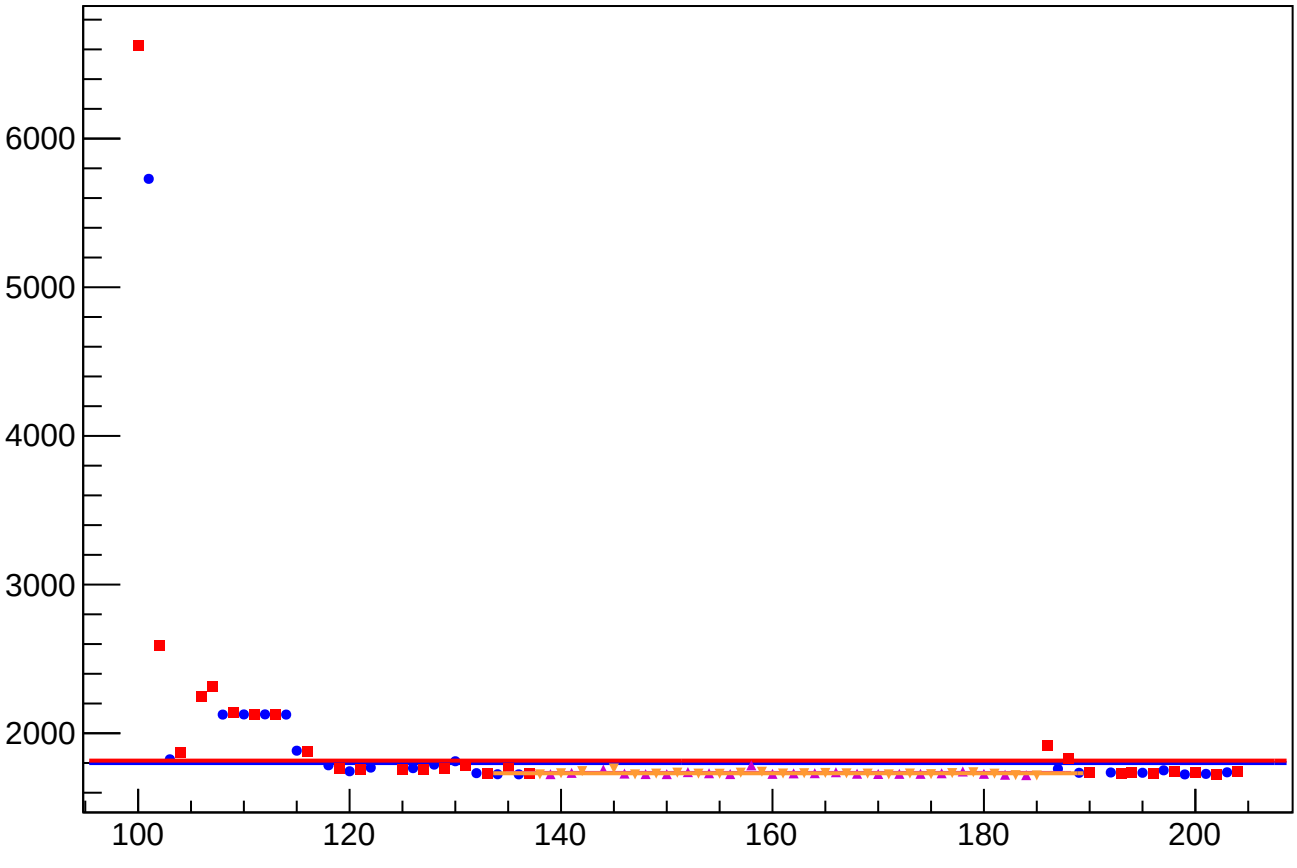
Left: 324.453+/-285.077 χ^2/NDF: 50.7/46

Right: 369.698+/-343.998 χ^2/NDF: 39.2/51

In: 99.356+/-314.866 χ^2/NDF:47.9/46

Out: 573.105+/-306.155 χ^2/NDF:40.8/51

All: 342.874+/-219.500 χ^2/NDF: 89.9/98



Right In: 1799.392+/-0.354 χ^2/NDF: 707758.9/23

Left Out: 1730.847+/-0.284 χ^2/NDF:969.7/23

Right Out: 1815.892+/-0.334 χ^2/NDF: 315048.1/27

Left In: 1733.007+/-0.286 χ^2/NDF:2237.4/22

Left: 1731.919+/-0.202 χ^2/NDF: 3235.8/46

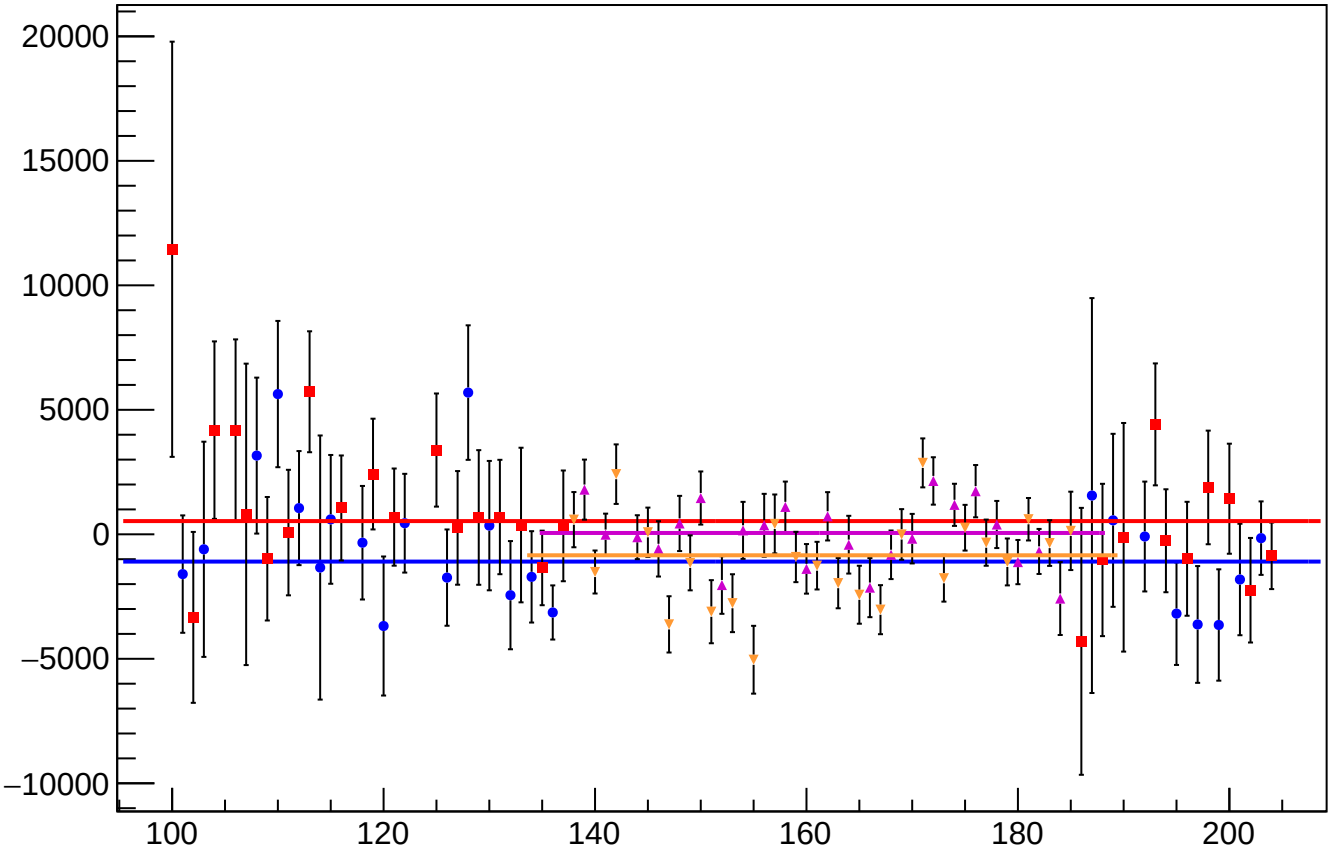
Right: 1808.123+/-0.243 χ^2/NDF: 1023953.3/51

In: 1759.194+/-0.223 χ^2/NDF:731231.9/46

Out: 1766.493+/-0.216 χ^2/NDF:353590.6/51

All: 1762.946+/-0.155 χ^2/NDF: 1085375.0/98

asym_us_dd_at1lr_dd_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: -1095.507+/-452.252 χ^2/NDF: 25.3/23

Left Out: -842.473+/-210.853 χ^2/NDF:62.7/23

Right Out: 531.037+/-452.363 χ^2/NDF: 21.5/27

Left In: 53.927+/-212.965 χ^2/NDF:30.6/22

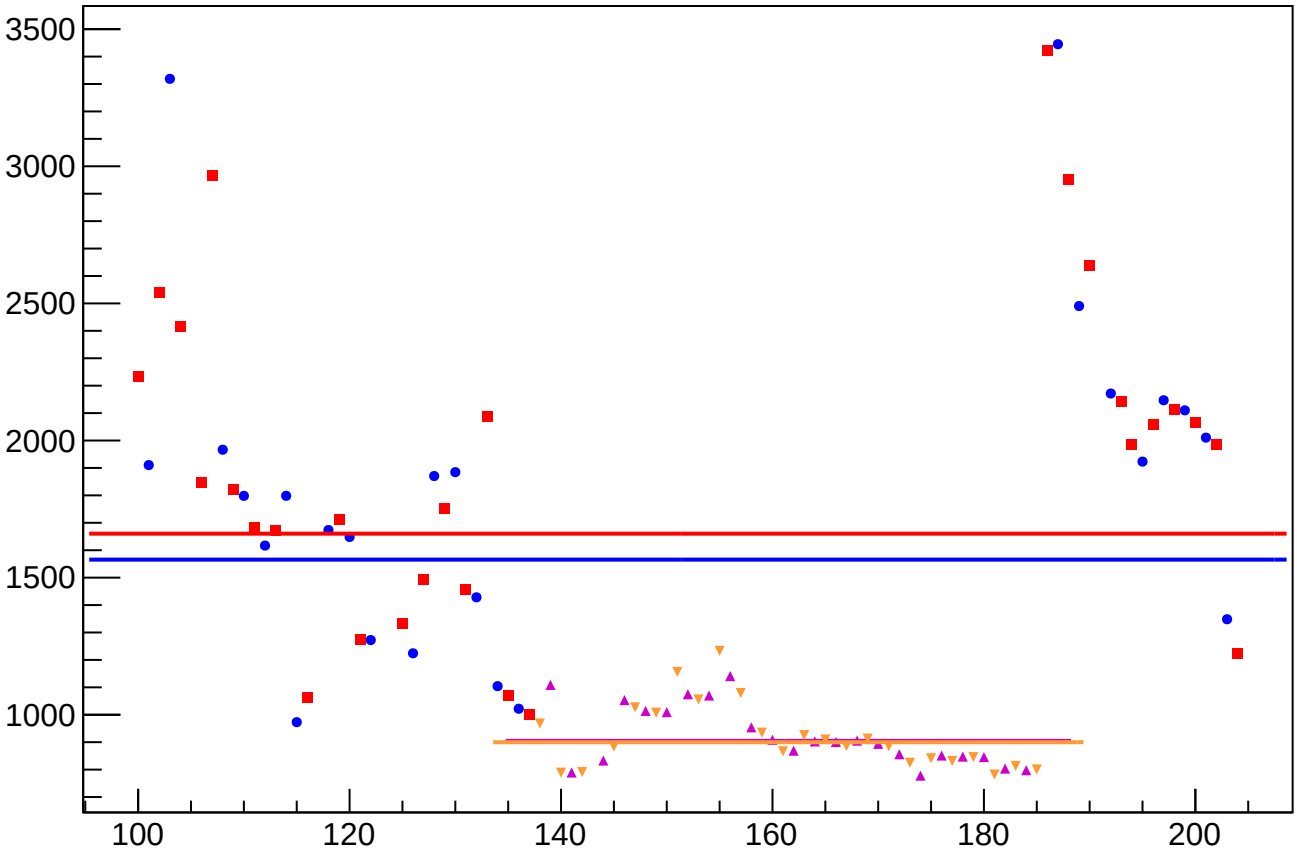
Left: -398.741+/-149.837 χ^2/NDF: 102.3/46

Right: -282.435+/-319.830 χ^2/NDF: 53.3/51

In: -154.695+/-192.672 χ^2/NDF:61.3/46

Out: -597.323+/-191.112 χ^2/NDF:91.8/51

All: -377.808+/-135.685 χ^2/NDF: 155.7/98



Right In: 1565.728+/-0.320 χ^2/NDF: 2158192.3/23

Left Out: 899.814+/-0.149 χ^2/NDF:495276.2/23

Right Out: 1660.368+/-0.320 χ^2/NDF: 2429084.8/27

Left In: 904.653+/-0.151 χ^2/NDF:452259.2/22

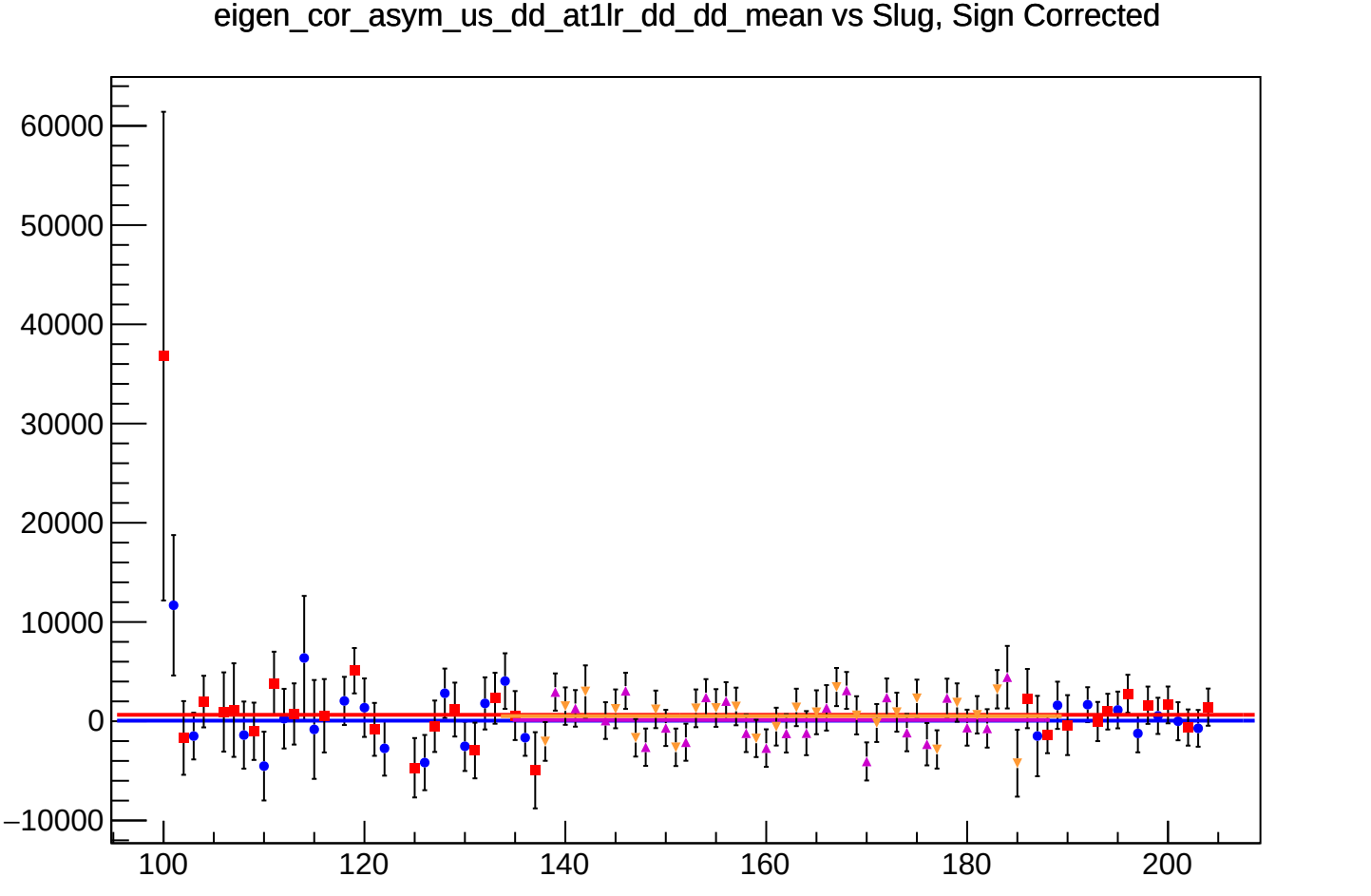
Left: 902.209+/-0.106 χ^2/NDF: 948056.7/46

Right: 1613.036+/-0.226 χ^2/NDF: 4631057.2/51

In: 1024.638+/-0.136 χ^2/NDF:6108209.3/46

Out: 1035.561+/-0.135 χ^2/NDF:7568773.2/51

All: 1030.144+/-0.096 χ^2/NDF: 13680222.9/9


eigen_cor_asym_us_dd_at1lr_dd_dd_mean vs Slug, Sign Corrected
60000
50000
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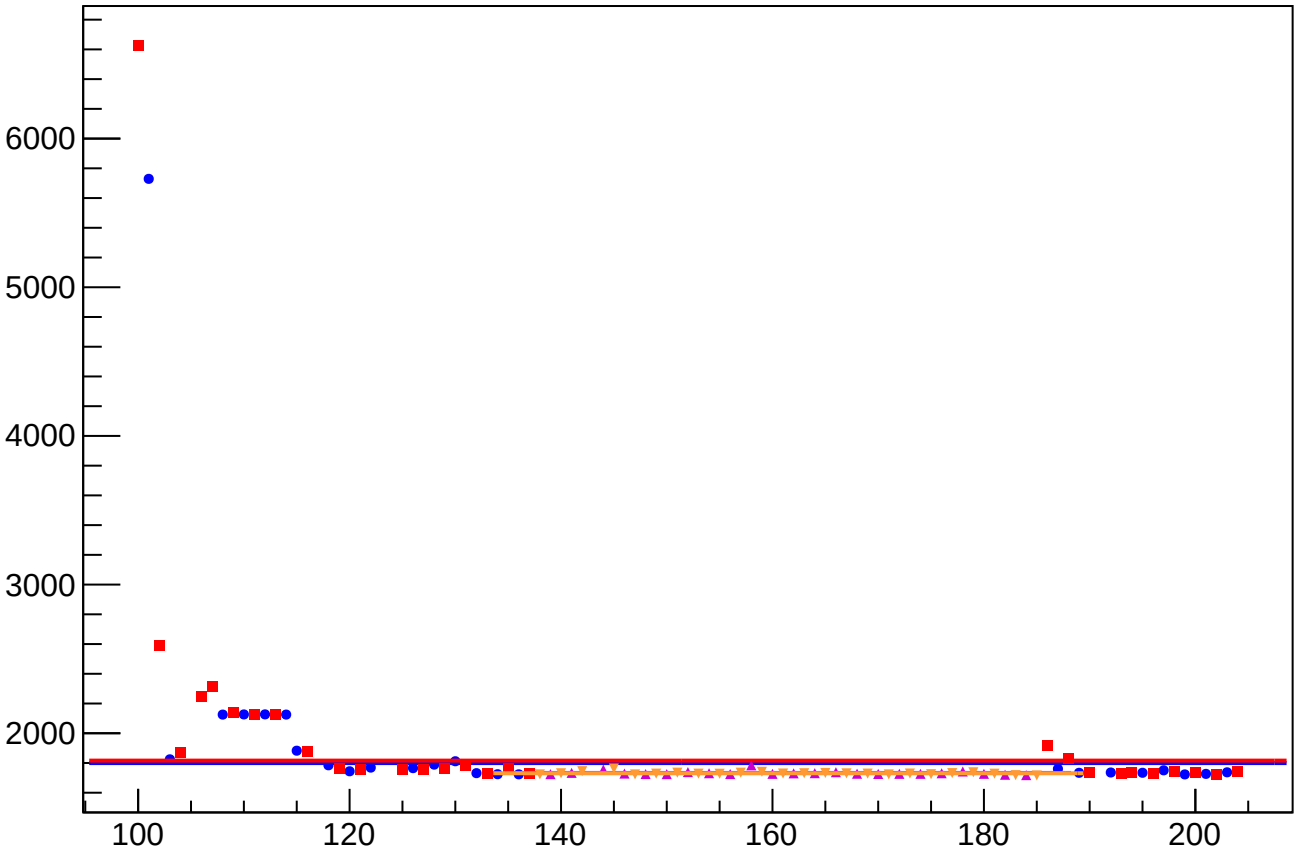
−10000
100
120
140
160
180
200
Right In: 58.316+/-501.326 χ²/NDF: 18.4/23
Left Out: 519.957+/-401.705 χ²/NDF:20.8/23
Right Out: 646.759+/-472.891 χ²/NDF: 20.0/27
Left In: 126.091+/-404.630 χ²/NDF:29.5/22
Left: 324.453+/-285.077 χ²/NDF: 50.7/46
Right: 369.698+/-343.998 χ²/NDF: 39.2/51
In: 99.356+/-314.866 χ²/NDF:47.9/46
Out: 573.105+/-306.155 χ²/NDF:40.8/51
All: 342.874+/-219.500 χ²/NDF: 89.9/98



Right In: 1799.392+/-0.354 χ^2/NDF: 707758.9/23

Left Out: 1730.847+/-0.284 χ^2/NDF:969.7/23

Right Out: 1815.892+/-0.334 χ^2/NDF: 315048.1/27

Left In: 1733.007+/-0.286 χ^2/NDF:2237.4/22

Left: 1731.919+/-0.202 χ^2/NDF: 3235.8/46

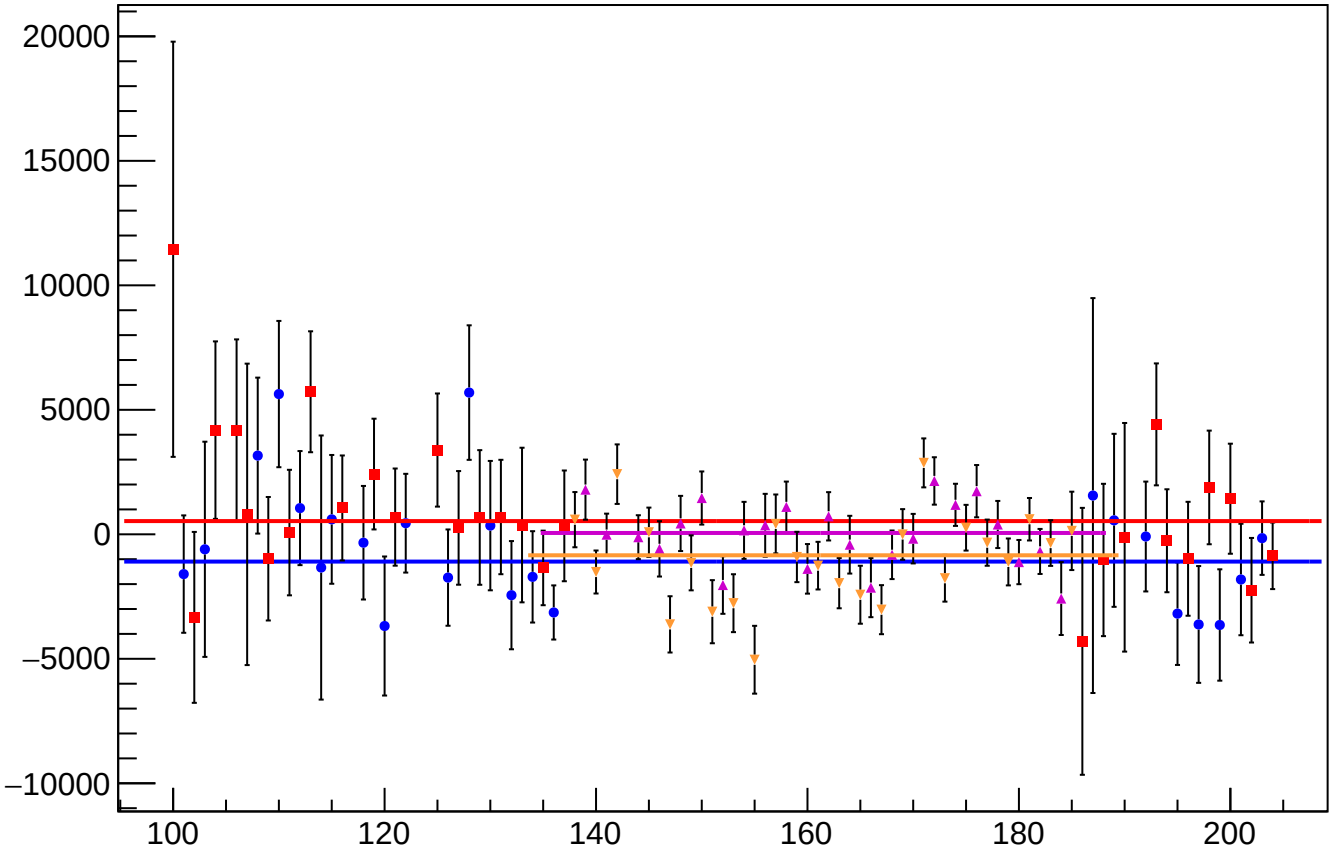
Right: 1808.123+/-0.243 χ^2/NDF: 1023953.3/51

In: 1759.194+/-0.223 χ^2/NDF:731231.9/46

Out: 1766.493+/-0.216 χ^2/NDF:353590.6/51

All: 1762.946+/-0.155 χ^2/NDF: 1085375.0/98

asym_us_dd_at1lr_dd_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -1095.507+/-452.252 χ^2/NDF: 25.3/23

Left Out: -842.473+/-210.853 χ^2/NDF:62.7/23

Right Out: 531.037+/-452.363 χ^2/NDF: 21.5/27

Left In: 53.927+/-212.965 χ^2/NDF:30.6/22

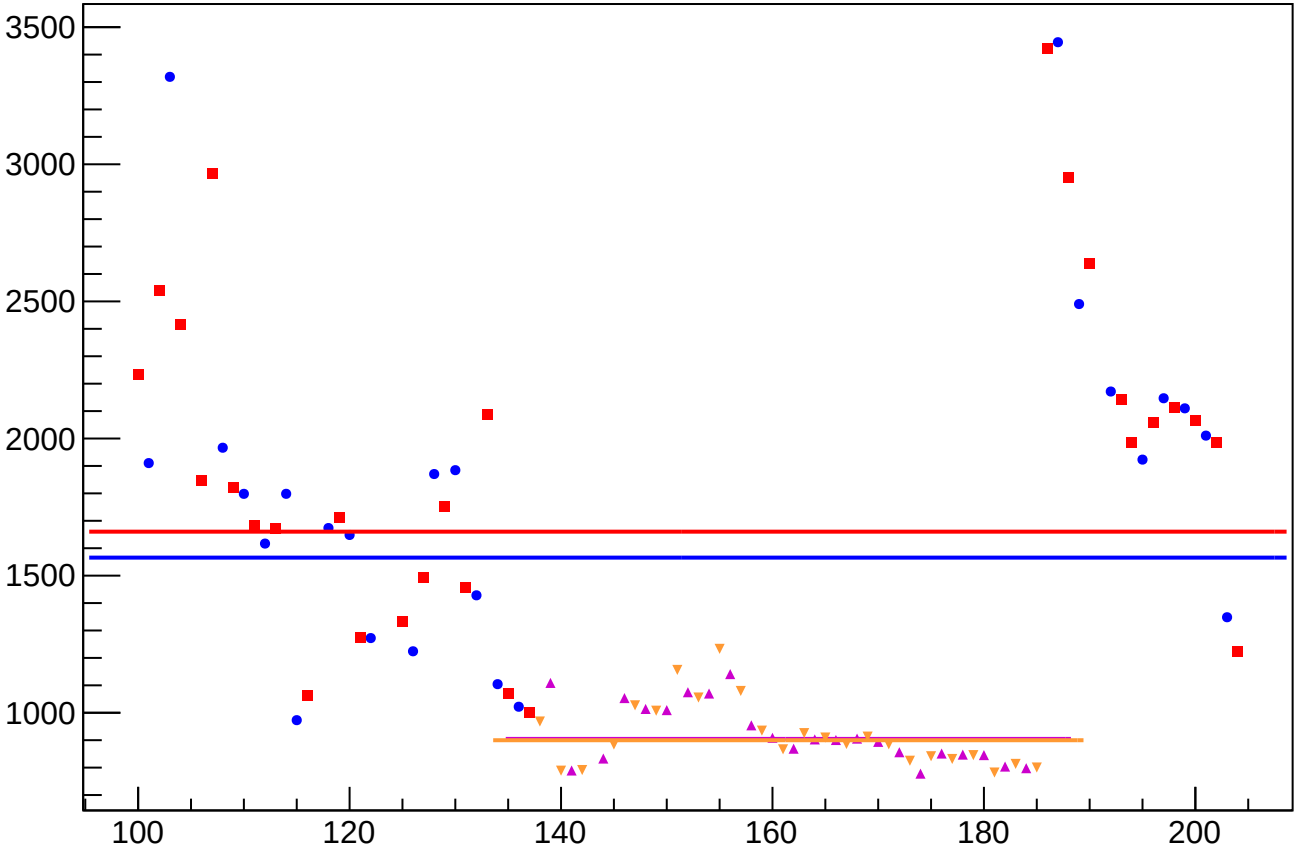
Left: -398.741+/-149.837 χ^2/NDF: 102.3/46

Right: -282.435+/-319.830 χ^2/NDF: 53.3/51

In: -154.695+/-192.672 χ^2/NDF:61.3/46

Out: -597.323+/-191.112 χ^2/NDF:91.8/51

All: -377.808+/-135.685 χ^2/NDF: 155.7/98



Right In: 1565.728+/-0.320 χ^2/NDF: 2158192.3/23

Left Out: 899.814+/-0.149 χ^2/NDF:495276.2/23

Right Out: 1660.368+/-0.320 χ^2/NDF: 2429084.8/27

Left In: 904.653+/-0.151 χ^2/NDF:452259.2/22

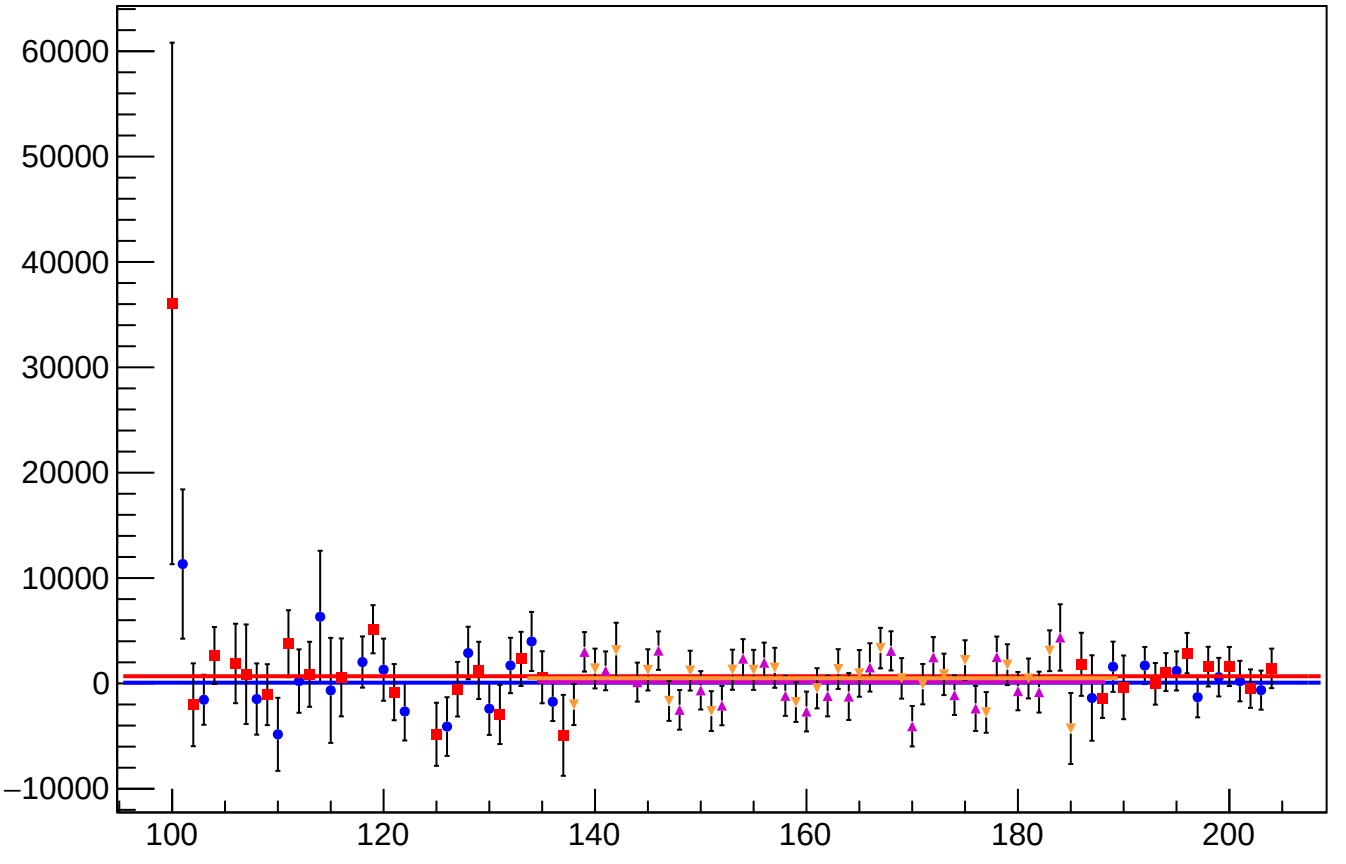
Left: 902.209+/-0.106 χ^2/NDF: 948056.7/46

Right: 1613.036+/-0.226 χ^2/NDF: 4631057.2/51

In: 1024.638+/-0.136 χ^2/NDF:6108209.3/46

Out: 1035.561+/-0.135 χ^2/NDF:7568773.2/51

All: 1030.144+/-0.096 χ^2/NDF: 13680222.9/9



Right In: 70.894+/-501.903 χ^2/NDF: 18.4/23

Left Out: 494.897+/-402.069 χ^2/NDF:20.1/23

Right Out: 680.127+/-473.898 χ^2/NDF: 20.5/27

Left In: 137.162+/-404.995 χ^2/NDF:29.6/22

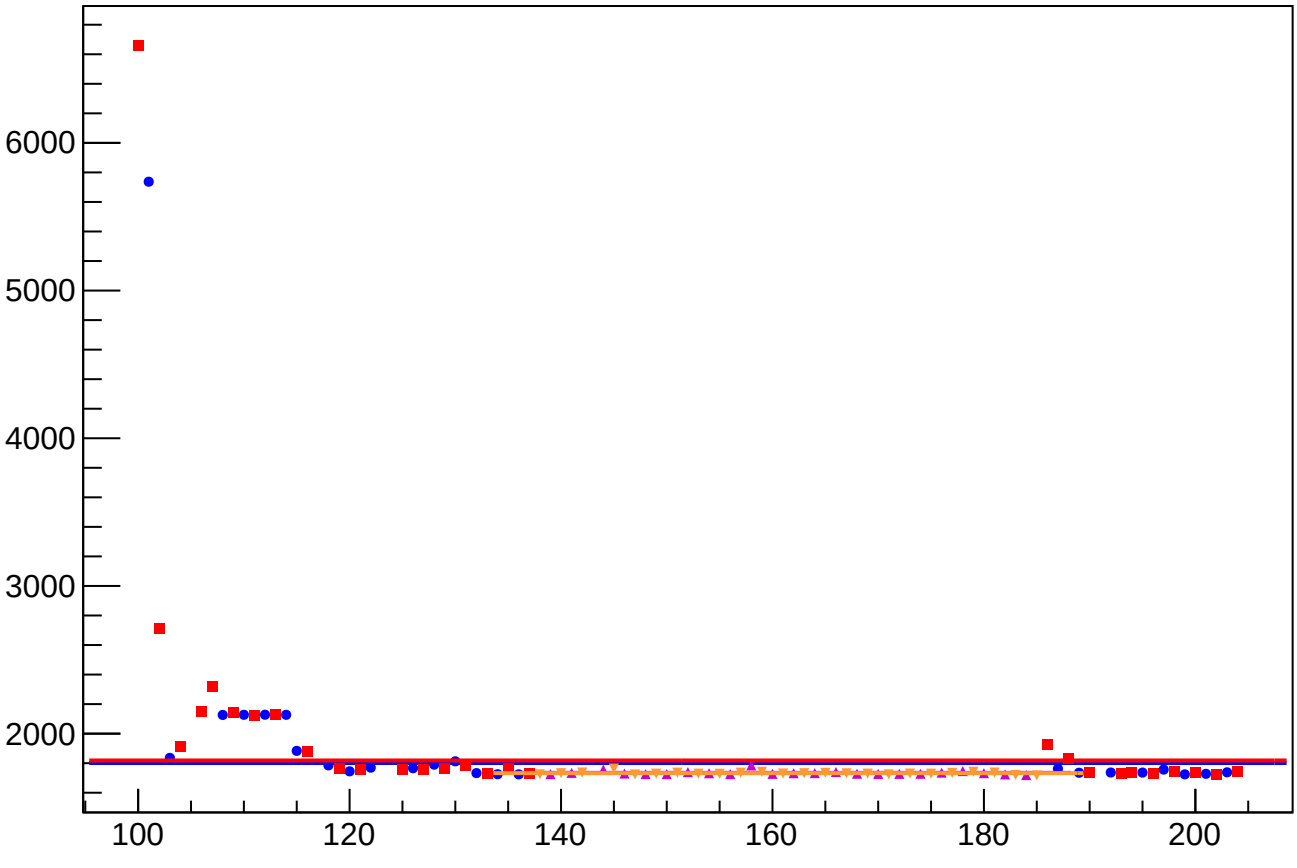
Left: 317.326+/-285.335 χ^2/NDF: 50.0/46

Right: 392.980+/-344.572 χ^2/NDF: 39.7/51

In: 111.029+/-315.181 χ^2/NDF:47.9/46

Out: 572.425+/-306.590 χ^2/NDF:40.7/51

All: 348.101+/-219.766 χ^2/NDF: 89.7/98



Right In: 1801.305+/-0.355 χ^2/NDF: 708039.8/23

Left Out: 1732.389+/-0.284 χ^2/NDF:910.8/23

Right Out: 1818.307+/-0.335 χ^2/NDF: 325639.8/27

Left In: 1734.568+/-0.286 χ^2/NDF:2215.7/22

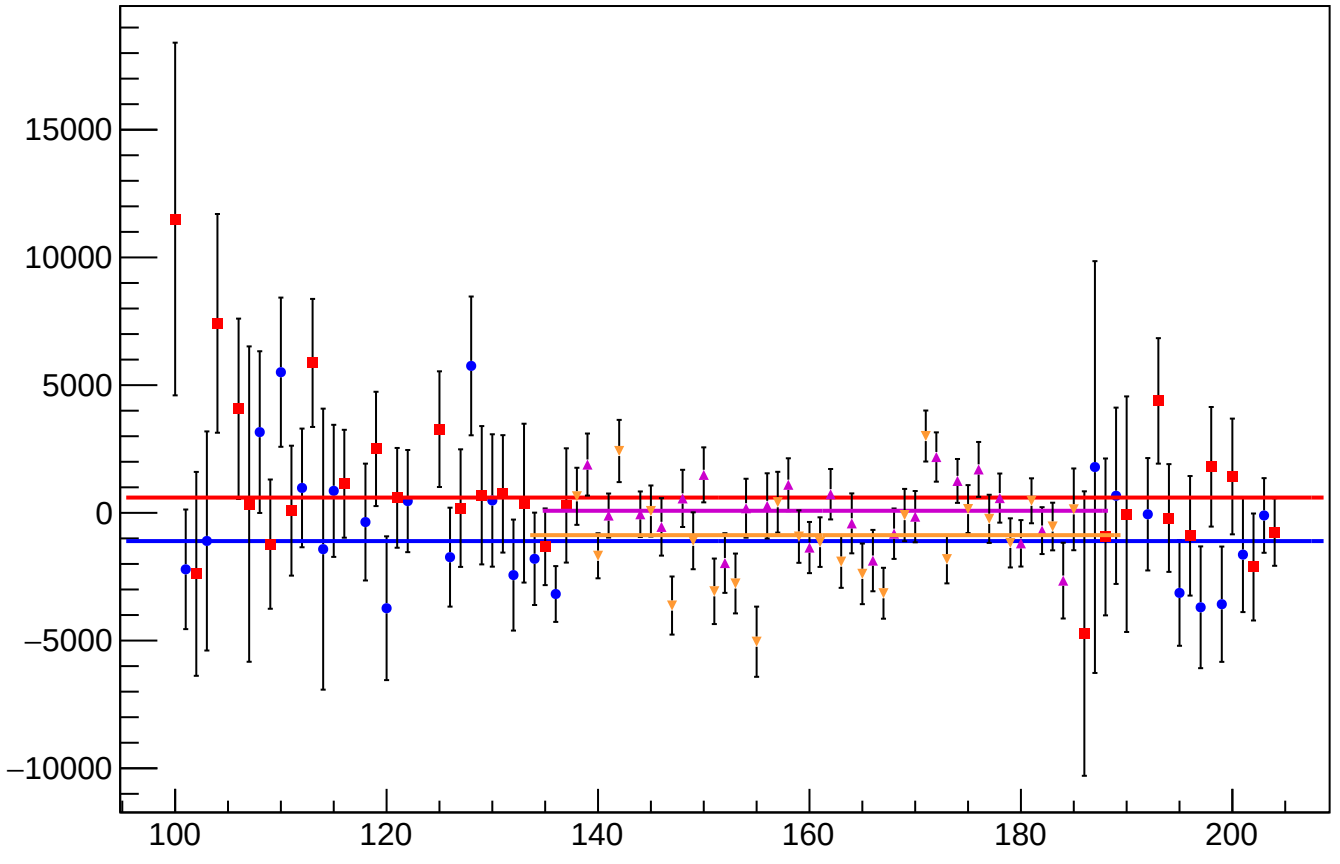
Left: 1733.471+/-0.202 χ^2/NDF: 3155.7/46

Right: 1810.294+/-0.244 χ^2/NDF: 1034893.0/51

In: 1760.886+/-0.223 χ^2/NDF:731671.7/46

Out: 1768.350+/-0.217 χ^2/NDF:364775.6/51

All: 1764.721+/-0.155 χ^2/NDF: 1097023.7/98



Right In: -1105.040+/-452.990 χ^2/NDF: 25.6/23

Left Out: -872.827+/-214.008 χ^2/NDF:62.0/23

Right Out: 598.911+/-456.754 χ^2/NDF: 22.7/27

Left In: 81.519+/-215.913 χ^2/NDF:30.0/22

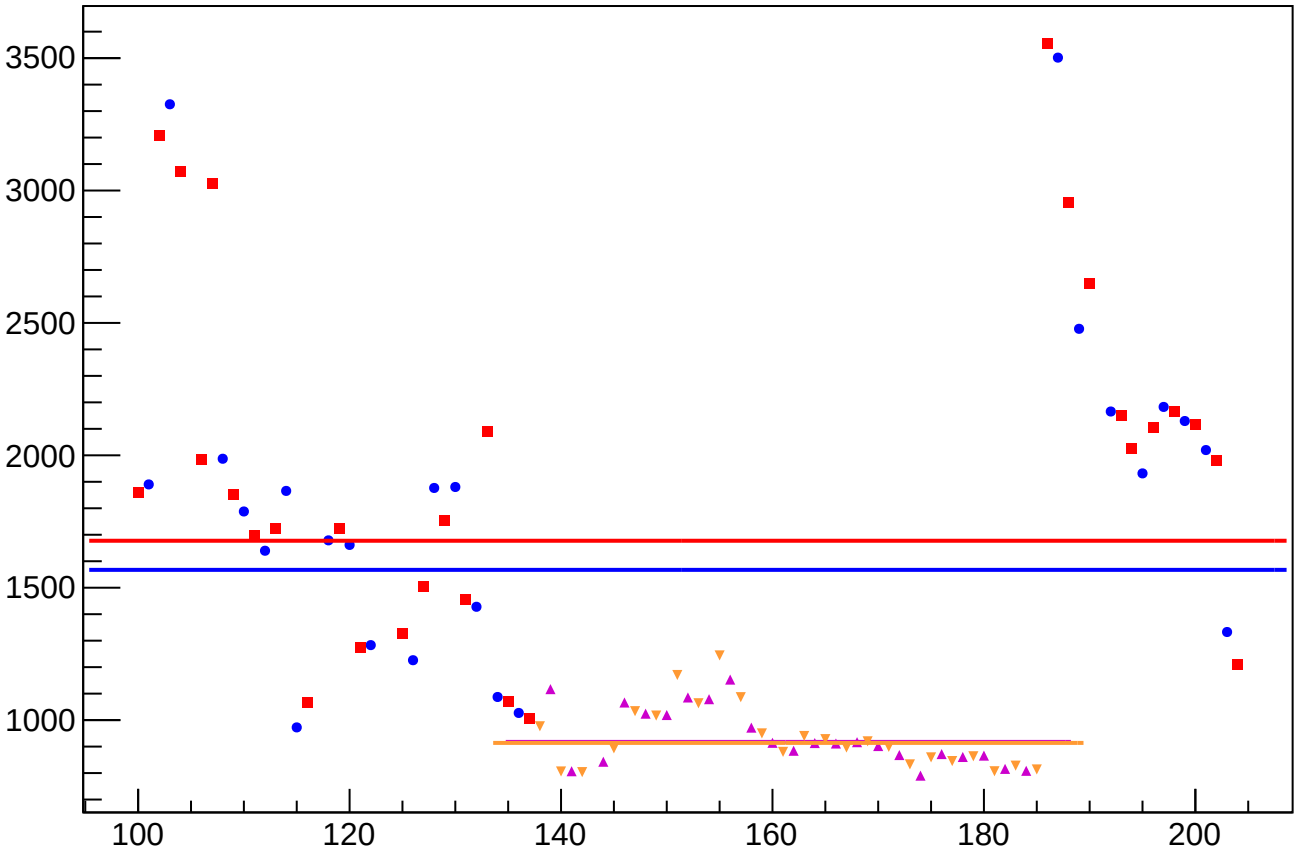
Left: -399.884+/-151.996 χ^2/NDF: 101.8/46

Right: -260.114+/-321.635 χ^2/NDF: 55.3/51

In: -138.146+/-194.906 χ^2/NDF:61.2/46

Out: -607.896+/-193.791 χ^2/NDF:93.2/51

All: -374.368+/-137.423 χ^2/NDF: 157.3/98



Right In: 1567.404+/-0.320 χ^2/NDF: 2191399.5/23

Left Out: 913.899+/-0.151 χ^2/NDF:462850.2/23

Right Out: 1677.365+/-0.323 χ^2/NDF: 2816184.6/27

Left In: 917.674+/-0.153 χ^2/NDF:430498.5/22

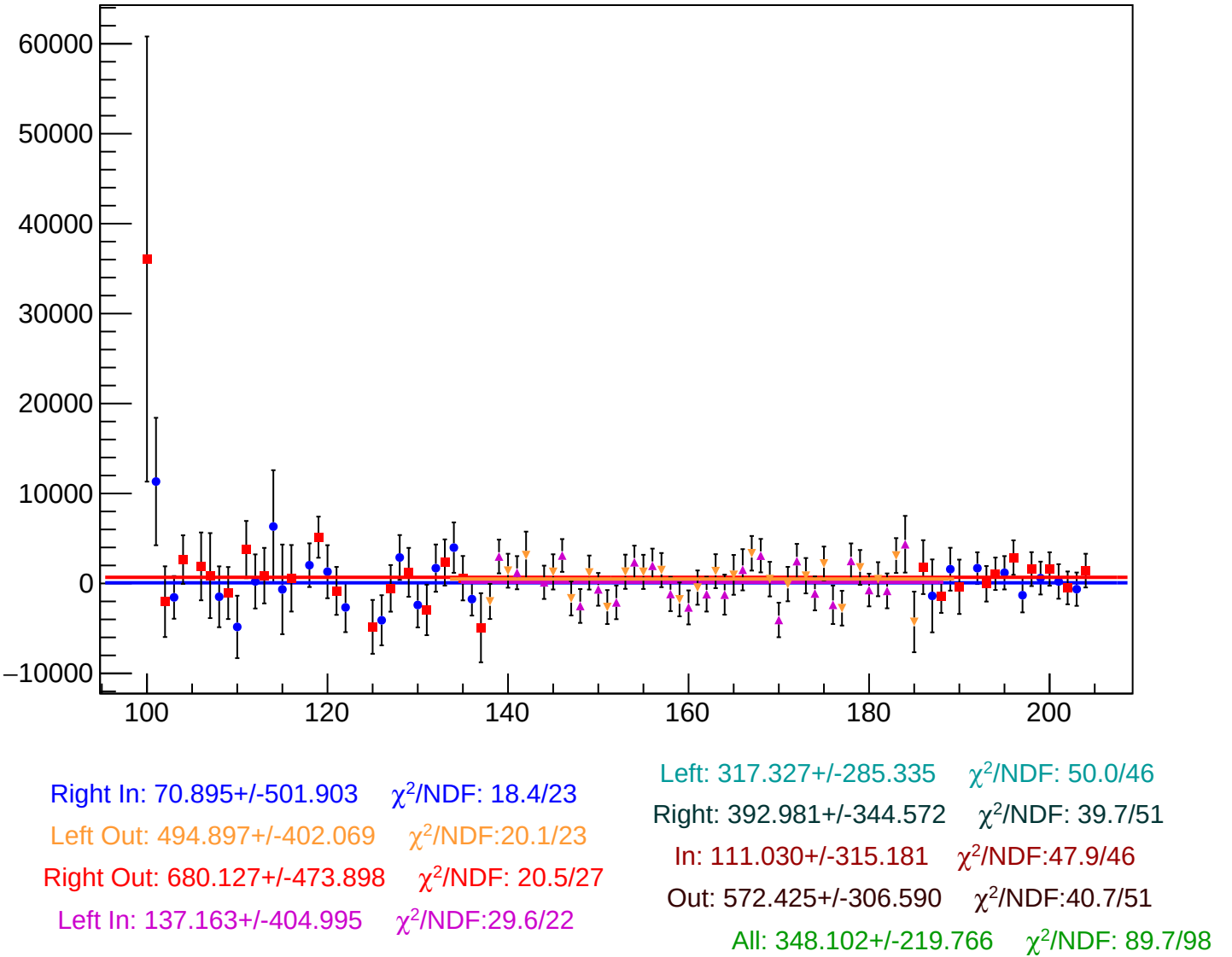
Left: 915.770+/-0.107 χ^2/NDF: 893657.1/46

Right: 1621.930+/-0.227 χ^2/NDF: 5066022.1/51

In: 1037.957+/-0.138 χ^2/NDF:5974701.6/46

Out: 1051.332+/-0.137 χ^2/NDF:7861019.3/51

All: 1044.683+/-0.097 χ^2/NDF: 13840457.0/9


eigen_dit_asym_us_dd_at1lr_dd_dd_mean vs Slug, Sign Corrected
60000
50000
40000
30000
20000
10000
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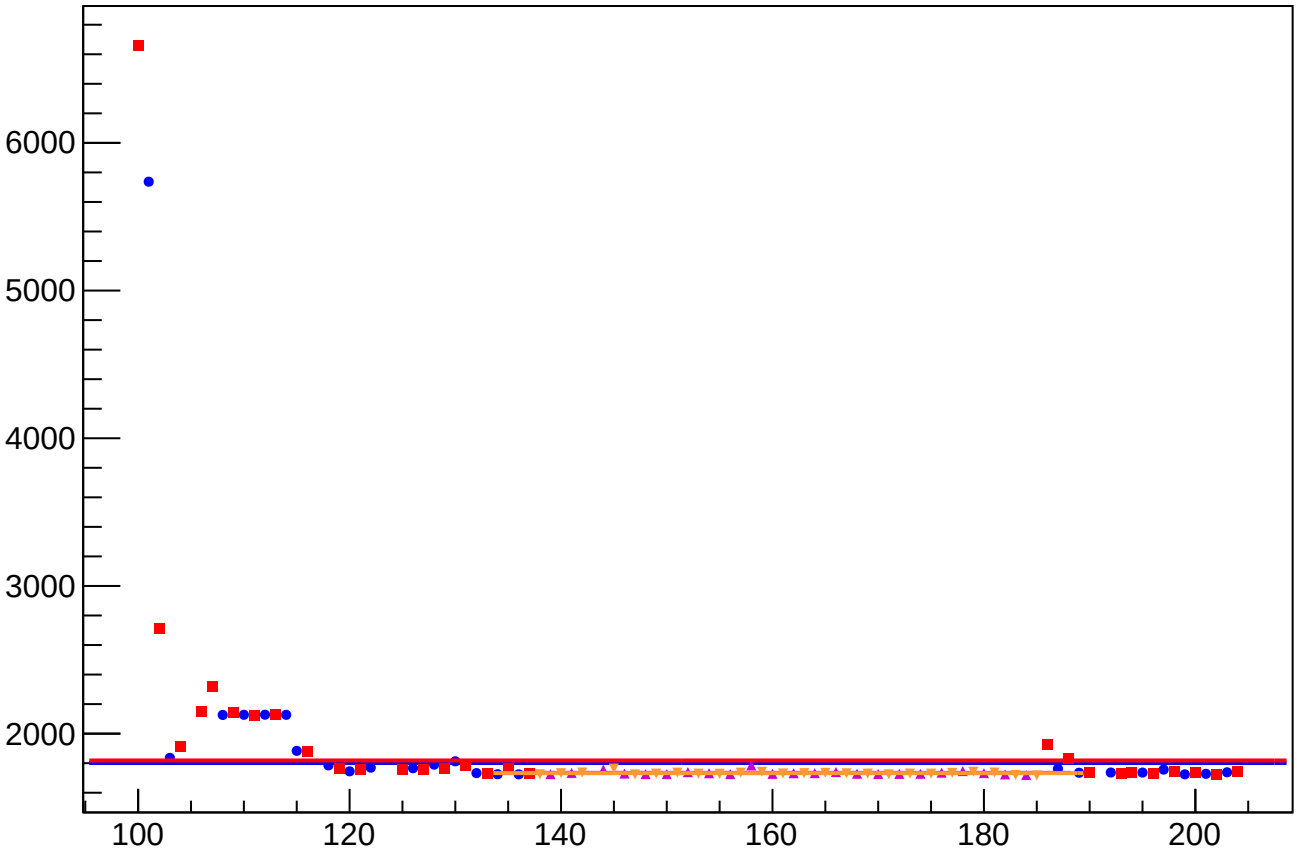
−10000
100
120
140
160
180
200
Right In: 70.895+/-501.903 χ²/NDF: 18.4/23
Left Out: 494.897+/-402.069 χ²/NDF:20.1/23
Right Out: 680.127+/-473.898 χ²/NDF: 20.5/27
Left In: 137.163+/-404.995 χ²/NDF:29.6/22
Left: 317.327+/-285.335 χ²/NDF: 50.0/46
Right: 392.981+/-344.572 χ²/NDF: 39.7/51
In: 111.030+/-315.181 χ²/NDF:47.9/46
Out: 572.425+/-306.590 χ²/NDF:40.7/51
All: 348.102+/-219.766 χ²/NDF: 89.7/98



Right In: 1801.305+/-0.355 χ^2/NDF: 708039.8/23

Left Out: 1732.389+/-0.284 χ^2/NDF:910.8/23

Right Out: 1818.307+/-0.335 χ^2/NDF: 325639.5/27

Left In: 1734.568+/-0.286 χ^2/NDF:2215.7/22

Left: 1733.471+/-0.202 χ^2/NDF: 3155.7/46

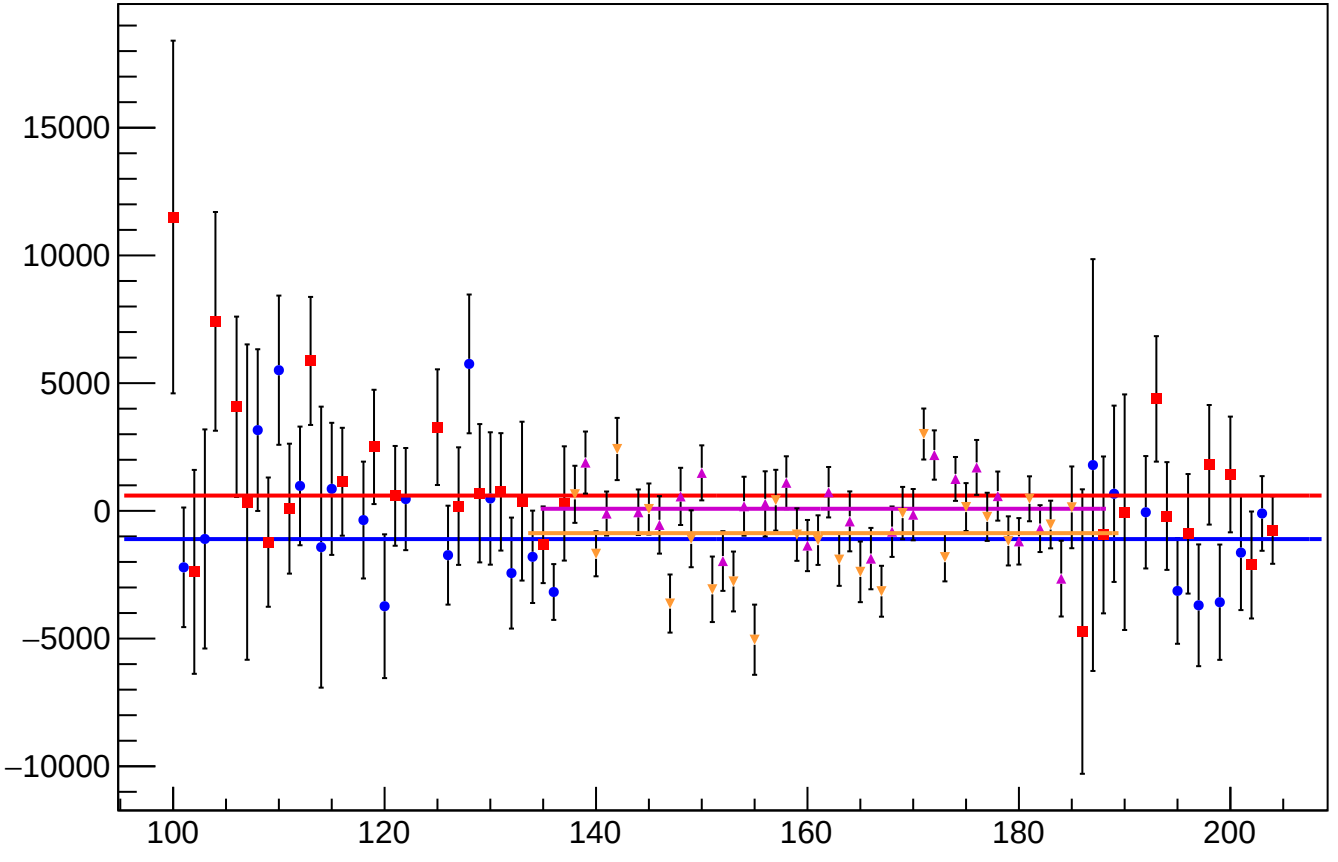
Right: 1810.294+/-0.244 χ^2/NDF: 1034892.7/51

In: 1760.886+/-0.223 χ^2/NDF:731671.6/46

Out: 1768.350+/-0.217 χ^2/NDF:364775.3/51

All: 1764.721+/-0.155 χ^2/NDF: 1097023.3/98

asym_us_dd_at1lr_dd_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -1105.036+/-452.989 χ^2/NDF: 25.6/23

Left Out: -872.826+/-214.008 χ^2/NDF:62.0/23

Right Out: 598.912+/-456.753 χ^2/NDF: 22.7/27

Left In: 81.518+/-215.913 χ^2/NDF:30.0/22

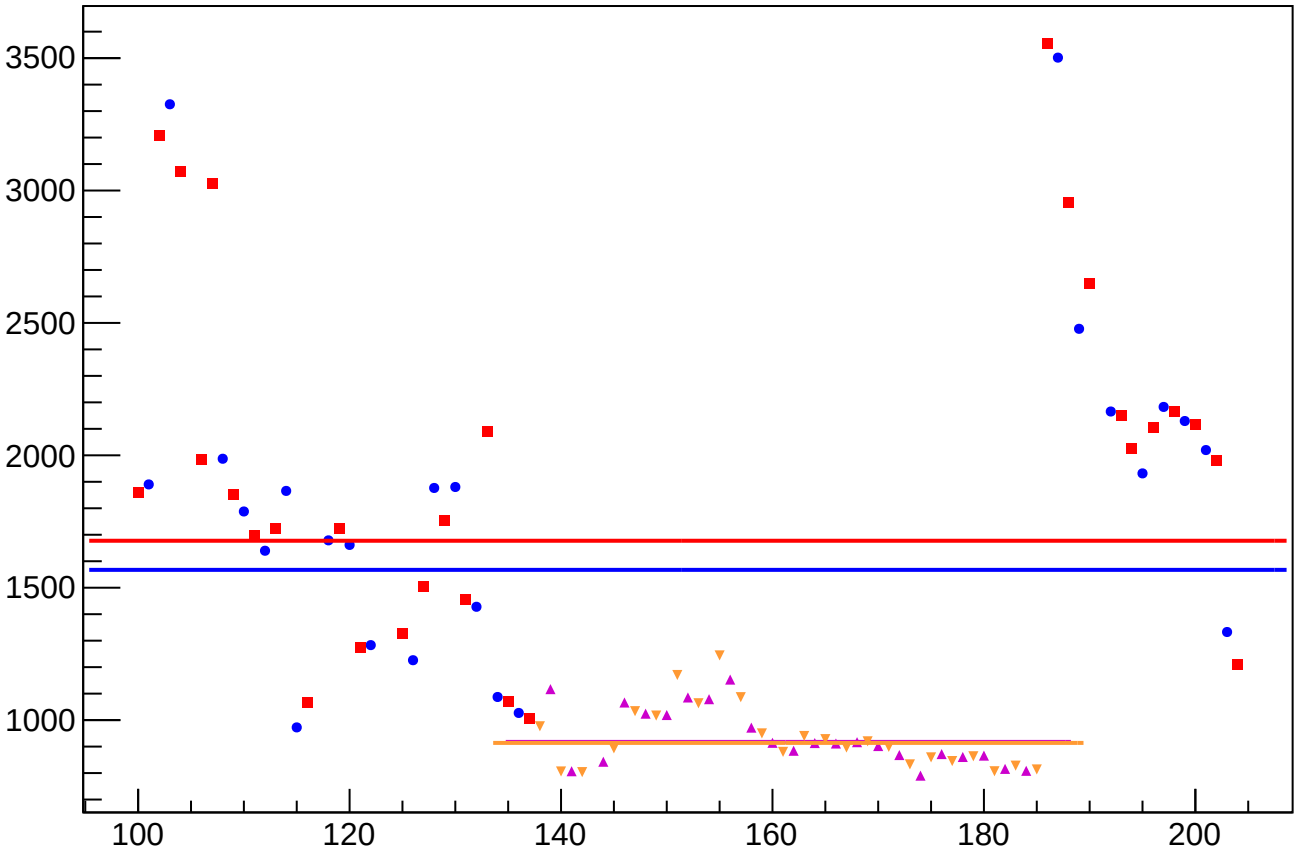
Left: -399.884+/-151.996 χ^2/NDF: 101.8/46

Right: -260.112+/-321.634 χ^2/NDF: 55.3/51

In: -138.147+/-194.905 χ^2/NDF:61.2/46

Out: -607.895+/-193.791 χ^2/NDF:93.2/51

All: -374.368+/-137.423 χ^2/NDF: 157.3/98



Right In: 1567.401+/-0.320 χ^2/NDF: 2191404.8/23

Left Out: 913.898+/-0.151 χ^2/NDF:462858.6/23

Right Out: 1677.364+/-0.323 χ^2/NDF: 2816189.7/27

Left In: 917.674+/-0.153 χ^2/NDF:430509.1/22

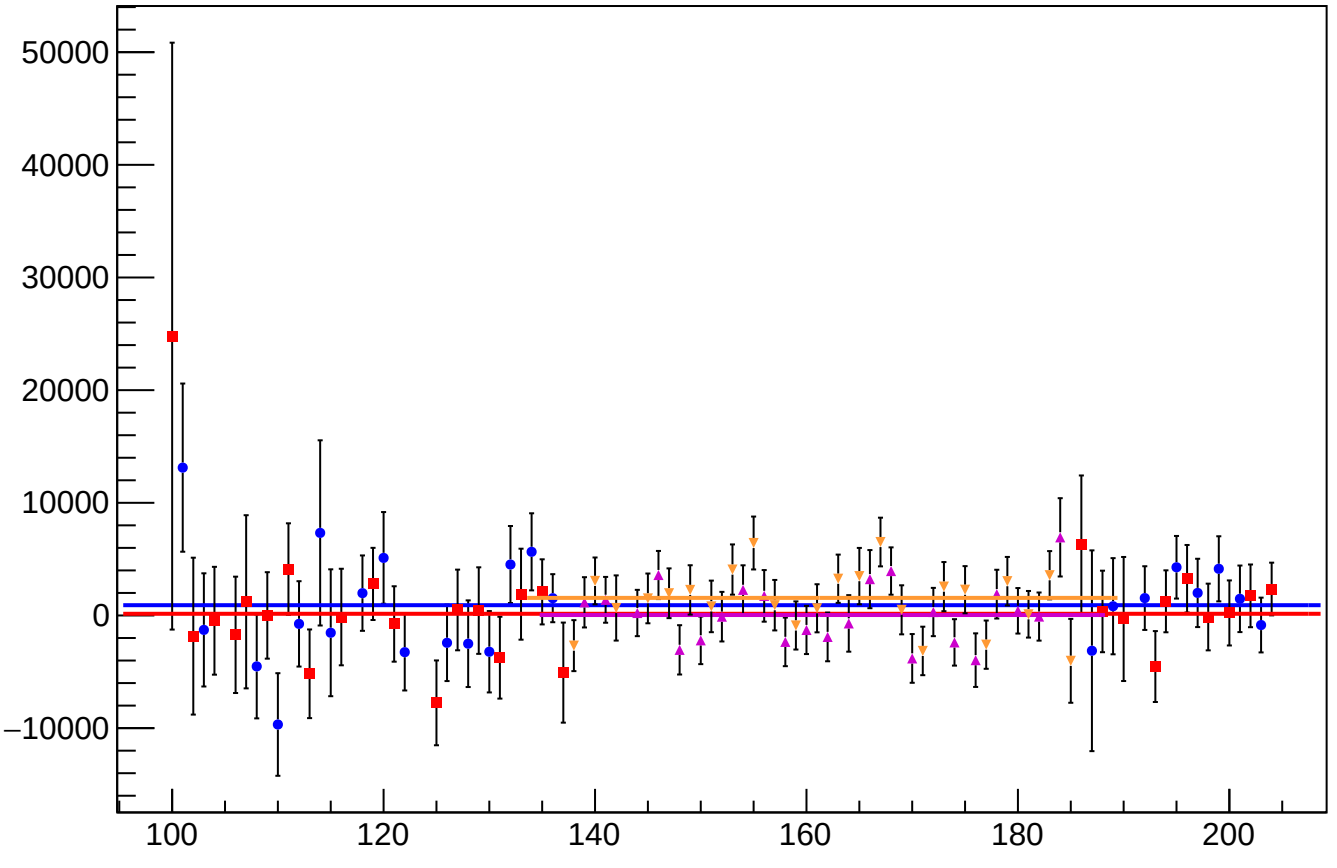
Left: 915.769+/-0.107 χ^2/NDF: 893676.2/46

Right: 1621.927+/-0.227 χ^2/NDF: 5066033.6/51

In: 1037.956+/-0.138 χ^2/NDF:5974704.6/46

Out: 1051.332+/-0.137 χ^2/NDF:7861024.0/51

All: 1044.682+/-0.097 χ^2/NDF: 13840464.8/9



Right In: 913.119+/-714.006 χ^2/NDF: 23.2/23

Left Out: 1561.357+/-456.883 χ^2/NDF:31.2/23

Right Out: 149.472+/-689.303 χ^2/NDF: 18.0/27

Left In: 39.885+/-459.938 χ^2/NDF:27.8/22

Left: 805.690+/-324.140 χ^2/NDF: 64.6/46

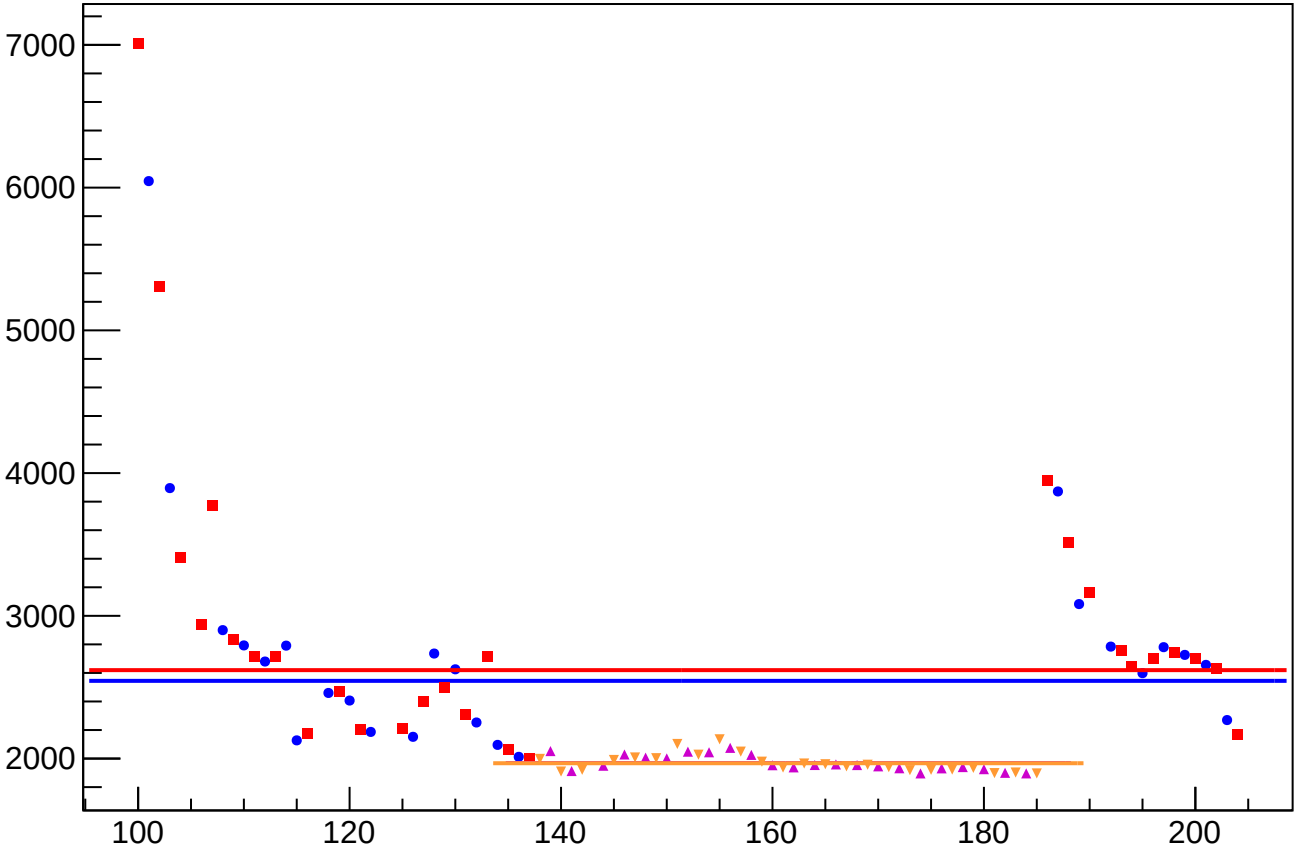
Right: 517.857+/-495.914 χ^2/NDF: 41.7/51

In: 295.970+/-386.659 χ^2/NDF:52.0/46

Out: 1130.405+/-380.824 χ^2/NDF:52.1/51

All: 719.531+/-271.323 χ^2/NDF: 106.5/98

asym_us_dd_at1lr_dd_dd_rms vs Slug, Sign Corrected



Right In: 2544.482+/-0.505 χ^2/NDF: 989354.6/23

Left Out: 1967.416+/-0.323 χ^2/NDF:34217.6/23

Right Out: 2619.574+/-0.487 χ^2/NDF: 1007162.4/27

Left In: 1969.022+/-0.325 χ^2/NDF:26523.0/22

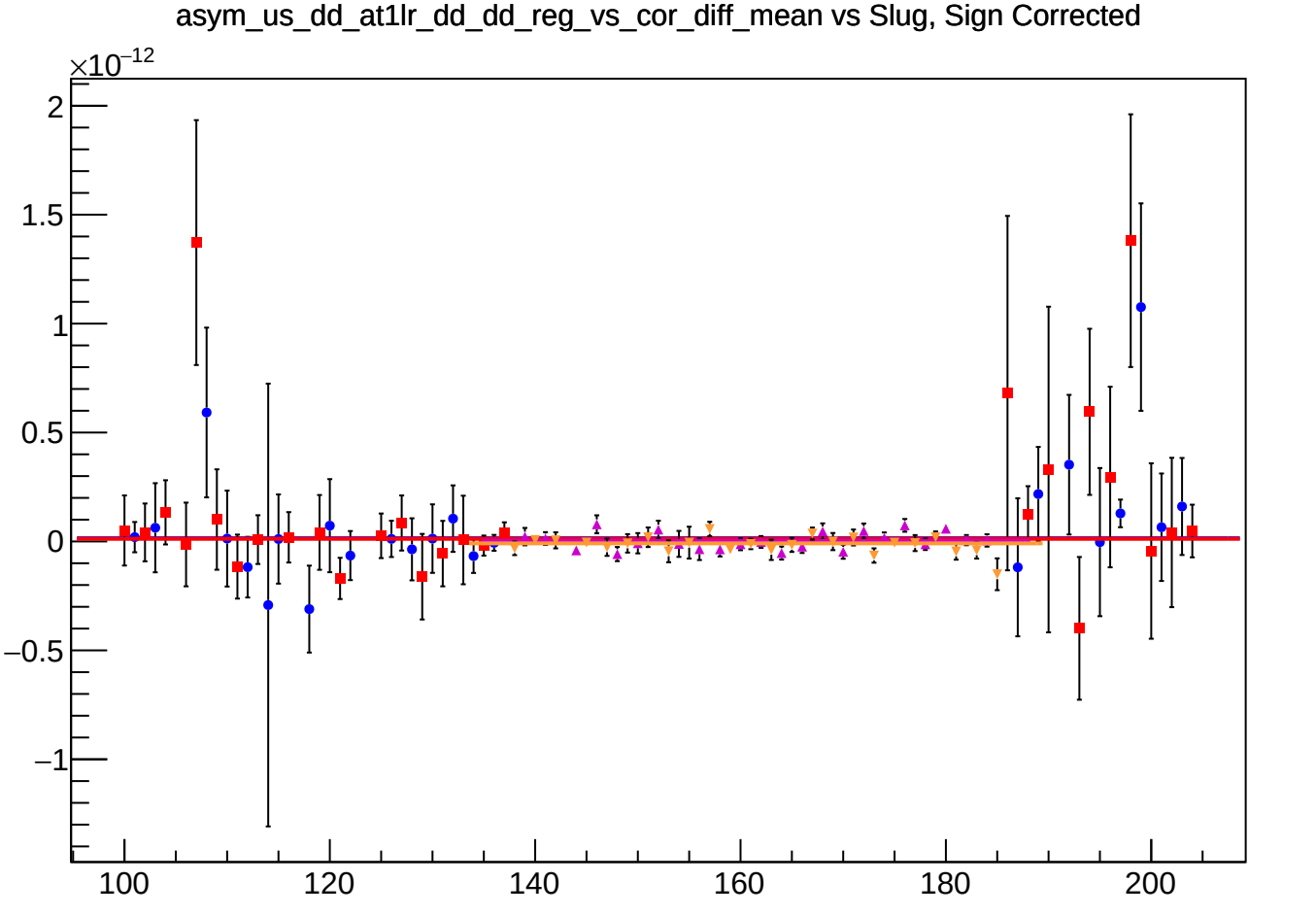
Left: 1968.213+/-0.229 χ^2/NDF: 60752.9/46

Right: 2583.350+/-0.351 χ^2/NDF: 2007966.7/51

In: 2137.782+/-0.273 χ^2/NDF:1934033.2/46

Out: 2166.475+/-0.269 χ^2/NDF:2285198.3/51

All: 2152.347+/-0.192 χ^2/NDF: 4224822.2/98



Right In: 0.000+/-0.000 χ^2/NDF: 19.3/23

Left Out: -0.000+/-0.000 χ^2/NDF:20.8/23

Right Out: 0.000+/-0.000 χ^2/NDF: 25.0/27

Left In: 0.000+/-0.000 χ^2/NDF:38.9/22

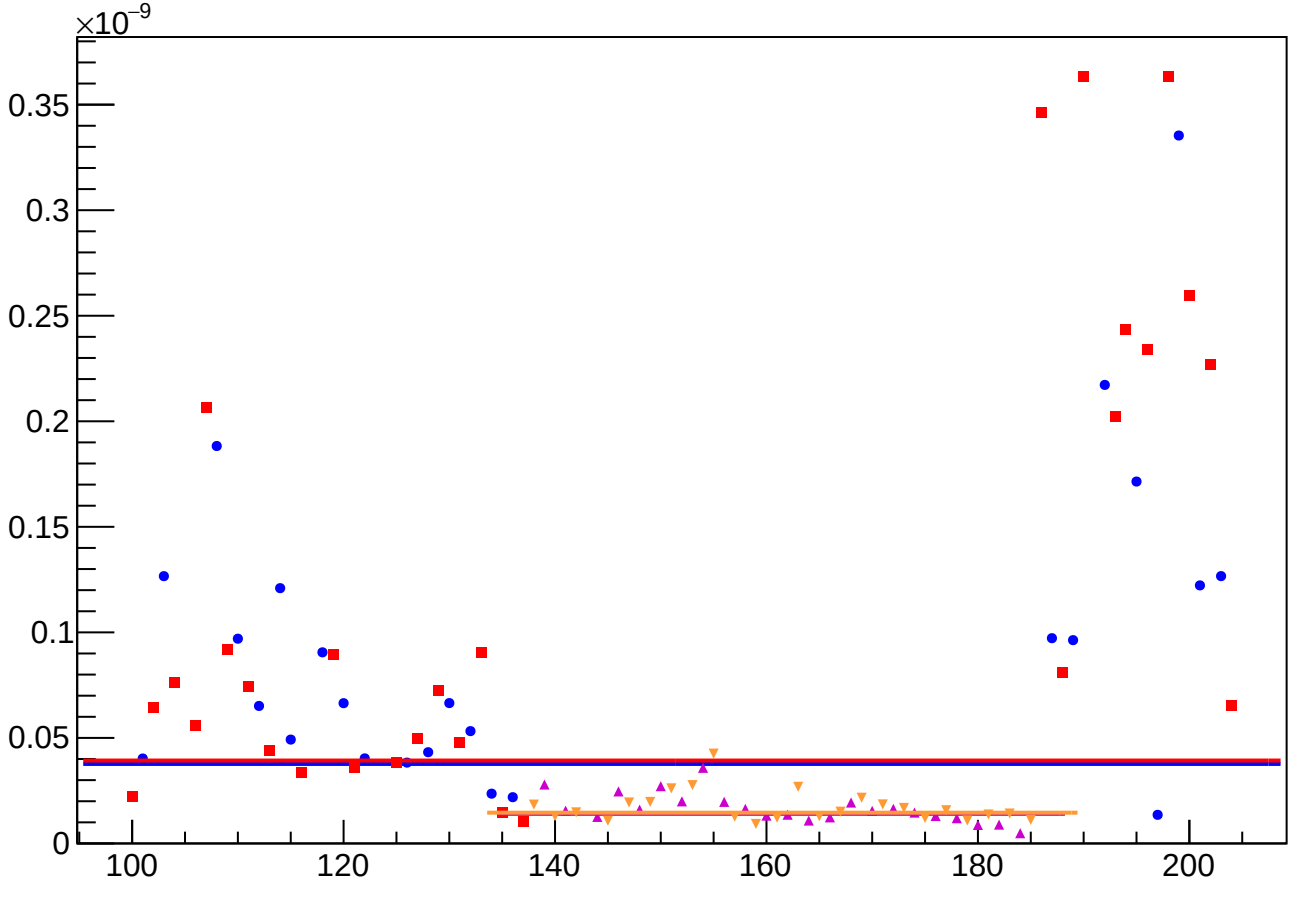
Left: -0.000+/-0.000 χ^2/NDF: 61.3/46

Right: 0.000+/-0.000 χ^2/NDF: 44.3/51

In: 0.000+/-0.000 χ^2/NDF:58.5/46

Out: -0.000+/-0.000 χ^2/NDF:46.6/51

All: -0.000+/-0.000 χ^2/NDF: 106.5/98



Right In: 0.000+/-0.000 χ^2/NDF: 4413115.7/23

Left Out: 0.000+/-0.000 χ^2/NDF:1178225.5/23

Right Out: 0.000+/-0.000 χ^2/NDF: 6570451.8/27

Left In: 0.000+/-0.000 χ^2/NDF:1430937.9/22

Left: 0.000+/-0.000 χ^2/NDF: 2616610.3/46

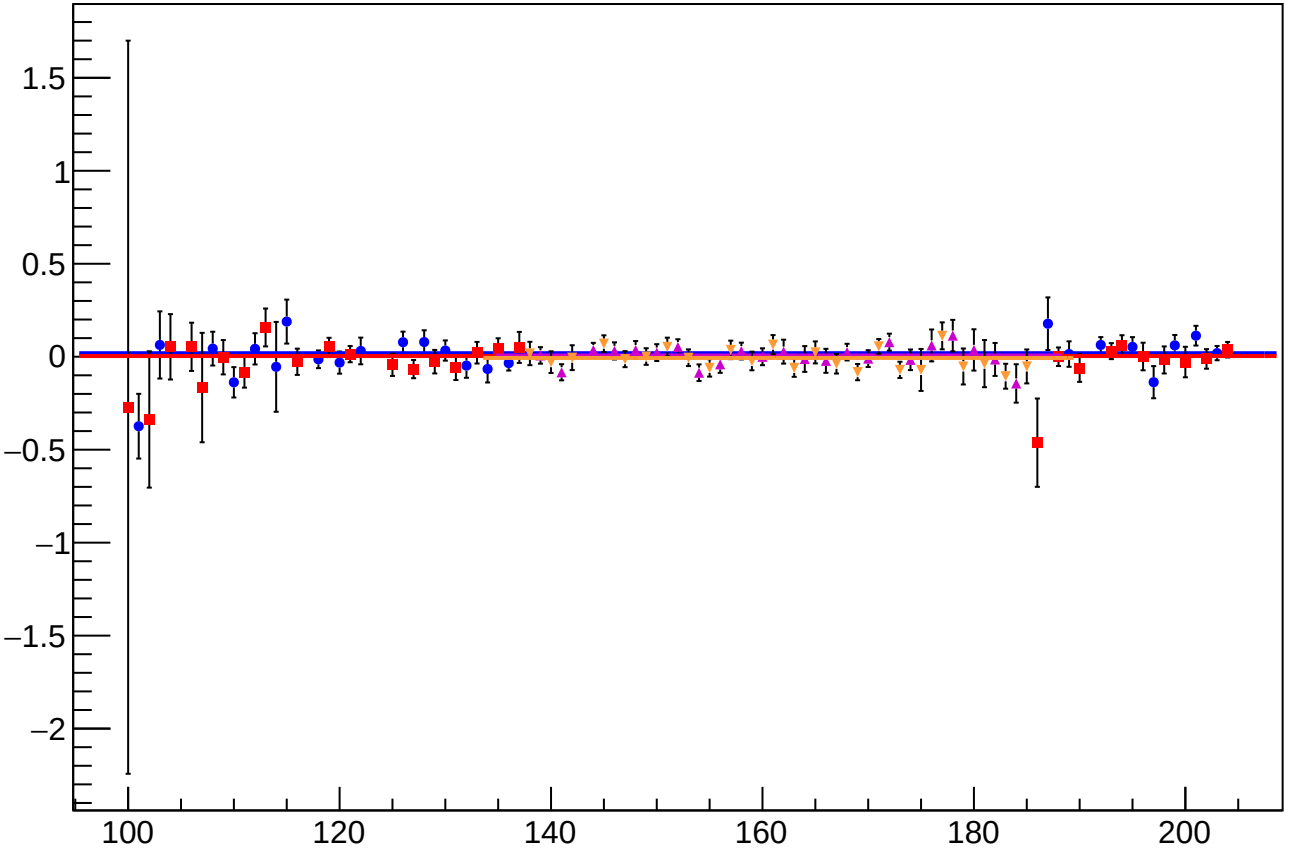
Right: 0.000+/-0.000 χ^2/NDF: 10988504.9/51

In: 0.000+/-0.000 χ^2/NDF:7916008.7/46

Out: 0.000+/-0.000 χ^2/NDF:9848872.5/51

All: 0.000+/-0.000 χ^2/NDF: 17773707.0/98

asym_us_dd_at1lr_dd_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.019+/-0.013 χ^2/NDF: 28.3/23

Left Out: -0.007+/-0.011 χ^2/NDF:23.9/23

Right Out: 0.004+/-0.012 χ^2/NDF: 17.9/27

Left In: 0.006+/-0.011 χ^2/NDF:20.1/22

Left: -0.000+/-0.008 χ^2/NDF: 44.7/46

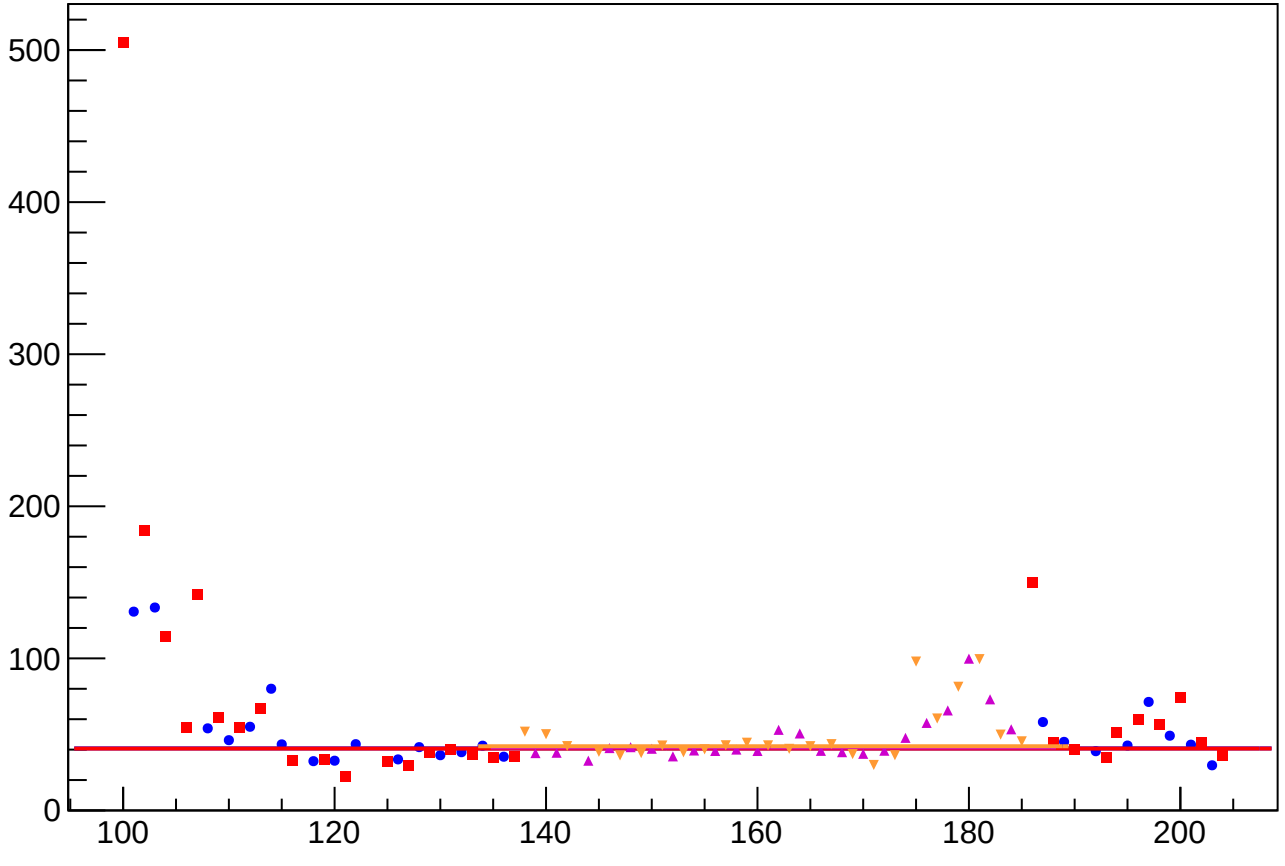
Right: 0.011+/-0.009 χ^2/NDF: 46.9/51

In: 0.012+/-0.008 χ^2/NDF:49.0/46

Out: -0.002+/-0.008 χ^2/NDF:42.2/51

All: 0.005+/-0.006 χ^2/NDF: 92.5/98

asym_us_dd_at1lr_dd_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 40.802+/-0.009 χ^2/NDF: 1921788.0/23

Left Out: 42.208+/-0.008 χ^2/NDF:1819371.1/23

Right Out: 40.692+/-0.009 χ^2/NDF: 3078051.5/27

Left In: 41.421+/-0.008 χ^2/NDF:1412177.5/22

Left: 41.808+/-0.005 χ^2/NDF: 3236828.7/46

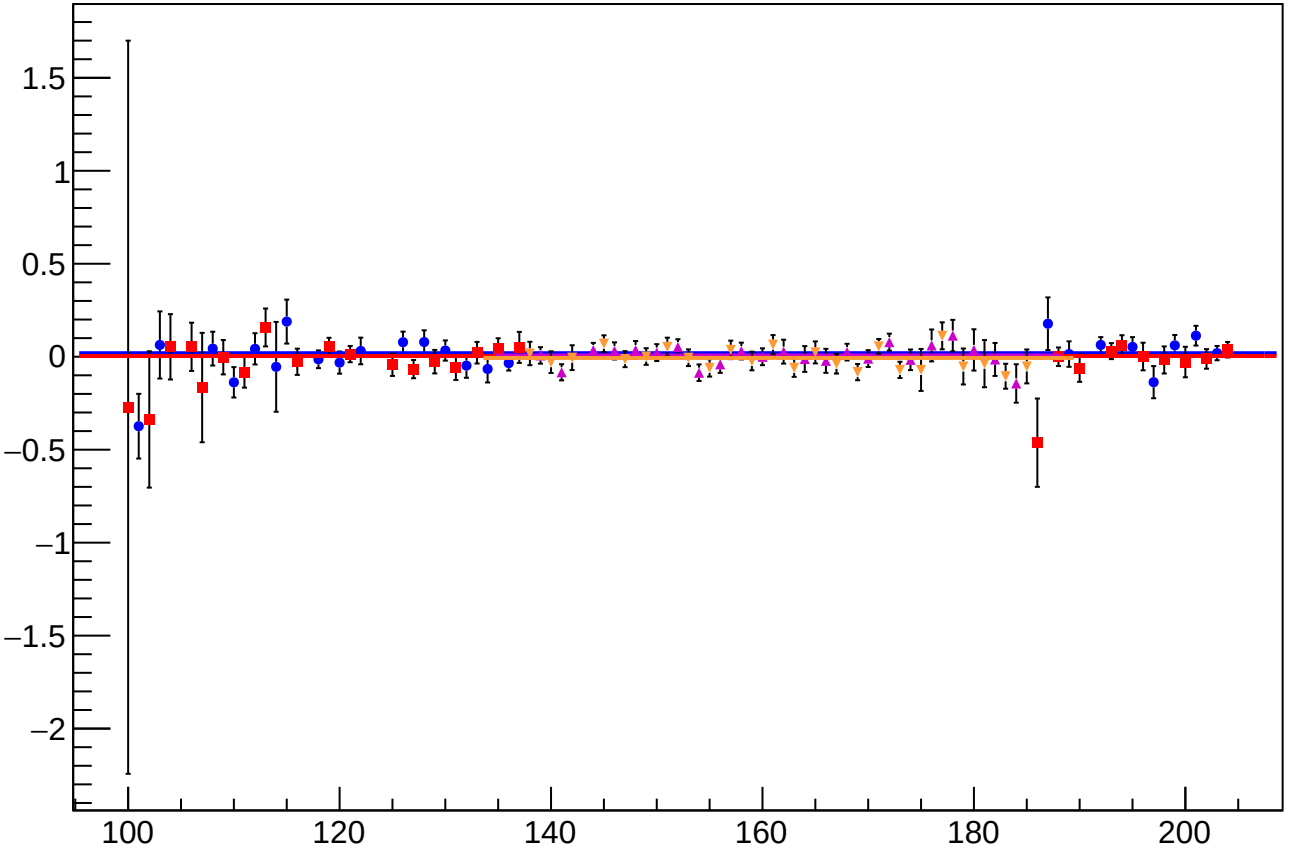
Right: 40.745+/-0.006 χ^2/NDF: 4999915.0/51

In: 41.165+/-0.006 χ^2/NDF:3336708.7/46

Out: 41.546+/-0.006 χ^2/NDF:4914250.9/51

All: 41.356+/-0.004 χ^2/NDF: 8253110.9/98

asym_us_dd_at1lr_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.019+/-0.013 χ^2/NDF: 28.3/23

Left Out: -0.007+/-0.011 χ^2/NDF:23.9/23

Right Out: 0.004+/-0.012 χ^2/NDF: 17.9/27

Left In: 0.006+/-0.011 χ^2/NDF:20.1/22

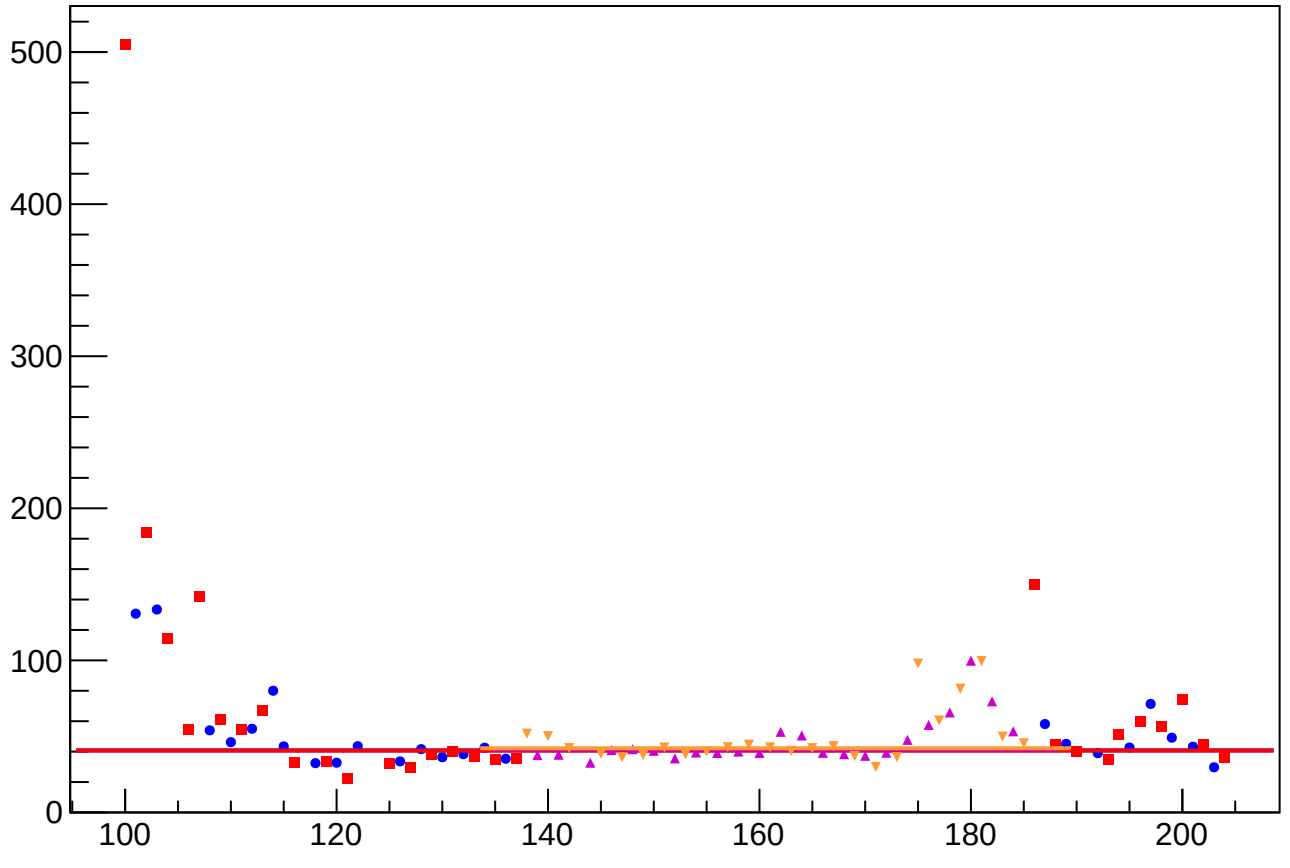
Left: -0.000+/-0.008 χ^2/NDF: 44.7/46

Right: 0.011+/-0.009 χ^2/NDF: 46.9/51

In: 0.012+/-0.008 χ^2/NDF:49.0/46

Out: -0.002+/-0.008 χ^2/NDF:42.2/51

All: 0.005+/-0.006 χ^2/NDF: 92.5/98



Right In: 40.802+/-0.009 χ^2/NDF: 1921788.0/23

Left Out: 42.208+/-0.008 χ^2/NDF:1819371.1/23

Right Out: 40.692+/-0.009 χ^2/NDF: 3078051.5/27

Left In: 41.421+/-0.008 χ^2/NDF:1412177.5/22

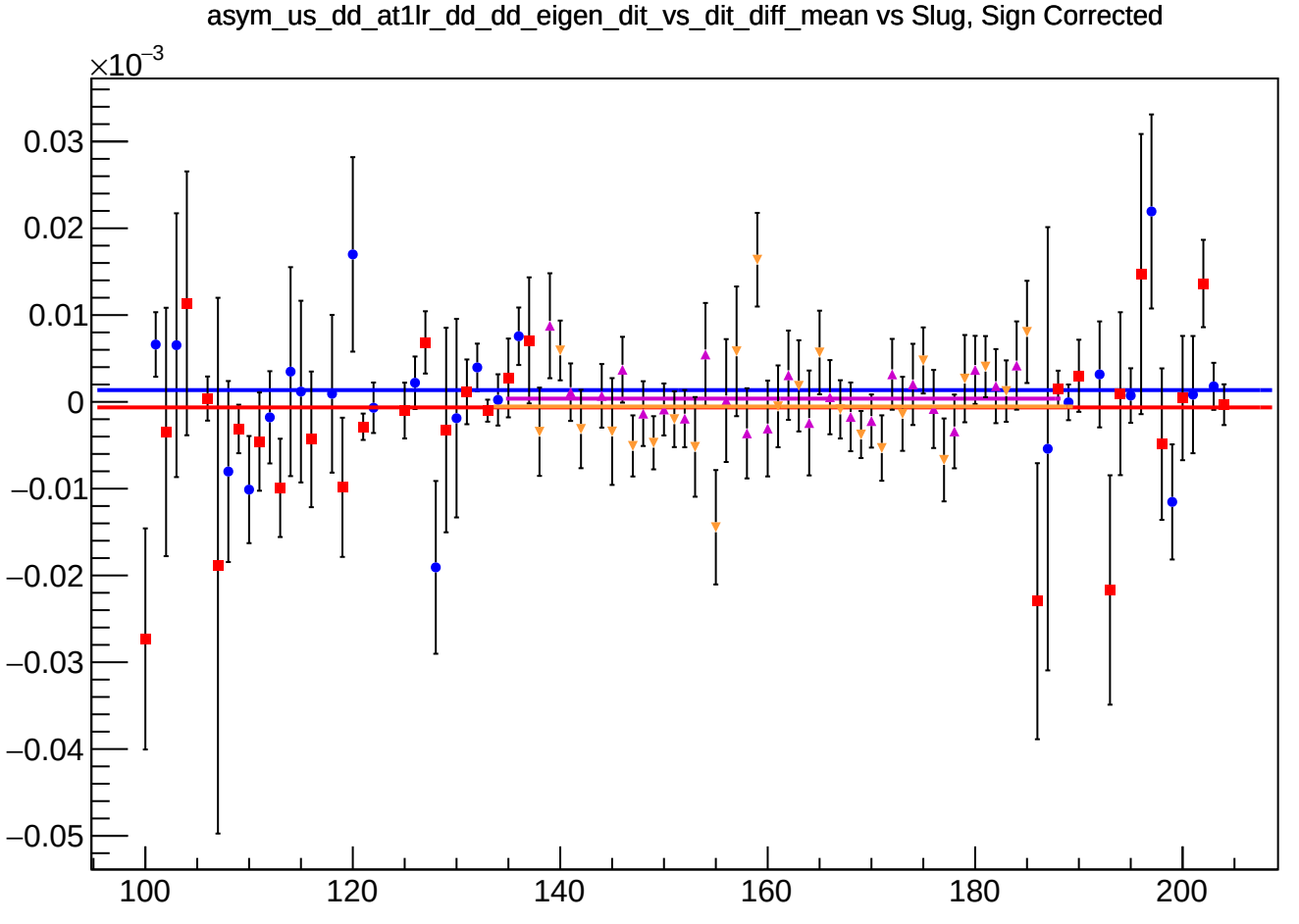
Left: 41.808+/-0.005 χ^2/NDF: 3236828.7/46

Right: 40.745+/-0.006 χ^2/NDF: 4999915.0/51

In: 41.165+/-0.006 χ^2/NDF:3336708.7/46

Out: 41.546+/-0.006 χ^2/NDF:4914250.9/51

All: 41.356+/-0.004 χ^2/NDF: 8253110.9/98



Right In: 0.000+/-0.000 χ^2/NDF: 26.0/23

Left Out: -0.000+/-0.000 χ^2/NDF:36.8/23

Right Out: -0.000+/-0.000 χ^2/NDF: 35.2/27

Left In: 0.000+/-0.000 χ^2/NDF:9.7/22

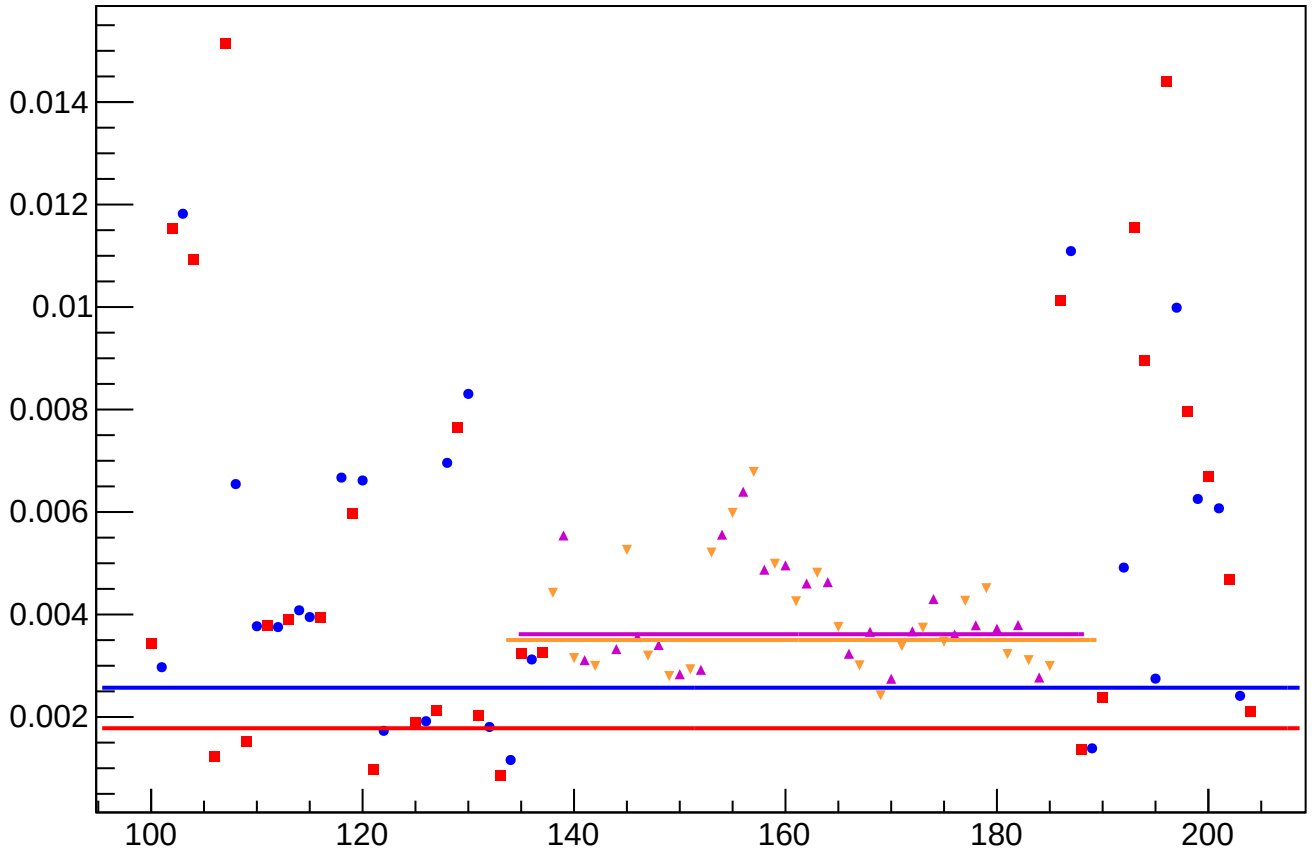
Left: -0.000+/-0.000 χ^2/NDF: 47.1/46

Right: 0.000+/-0.000 χ^2/NDF: 64.5/51

In: 0.000+/-0.000 χ^2/NDF:36.3/46

Out: -0.000+/-0.000 χ^2/NDF:72.1/51

All: 0.000+/-0.000 χ^2/NDF: 111.7/98



Right In: 0.003+/-0.000 χ^2/NDF: 7009987.9/23

Left Out: 0.004+/-0.000 χ^2/NDF:2190693.7/23

Right Out: 0.002+/-0.000 χ^2/NDF: 12672589.2/27

Left In: 0.004+/-0.000 χ^2/NDF:1668896.2/22

Left: 0.004+/-0.000 χ^2/NDF: 3876828.2/46

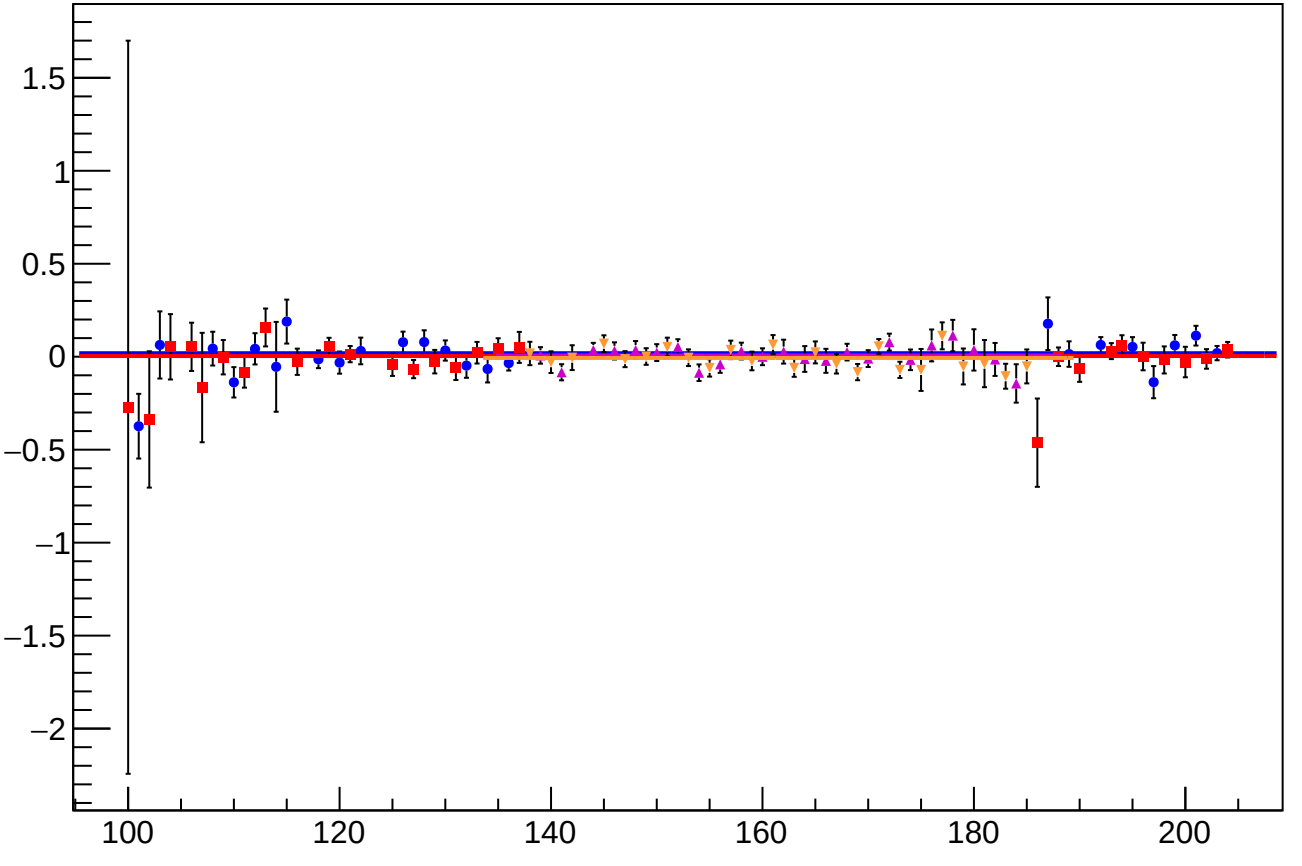
Right: 0.002+/-0.000 χ^2/NDF: 20738044.5/51

In: 0.003+/-0.000 χ^2/NDF:10117271.7/46

Out: 0.002+/-0.000 χ^2/NDF:20065481.0/51

All: 0.003+/-0.000 χ^2/NDF: 31548251.9/98

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.019+/-0.013 χ^2/NDF: 28.3/23

Left Out: -0.007+/-0.011 χ^2/NDF:23.9/23

Right Out: 0.004+/-0.012 χ^2/NDF: 17.9/27

Left In: 0.006+/-0.011 χ^2/NDF:20.1/22

Left: -0.000+/-0.008 χ^2/NDF: 44.7/46

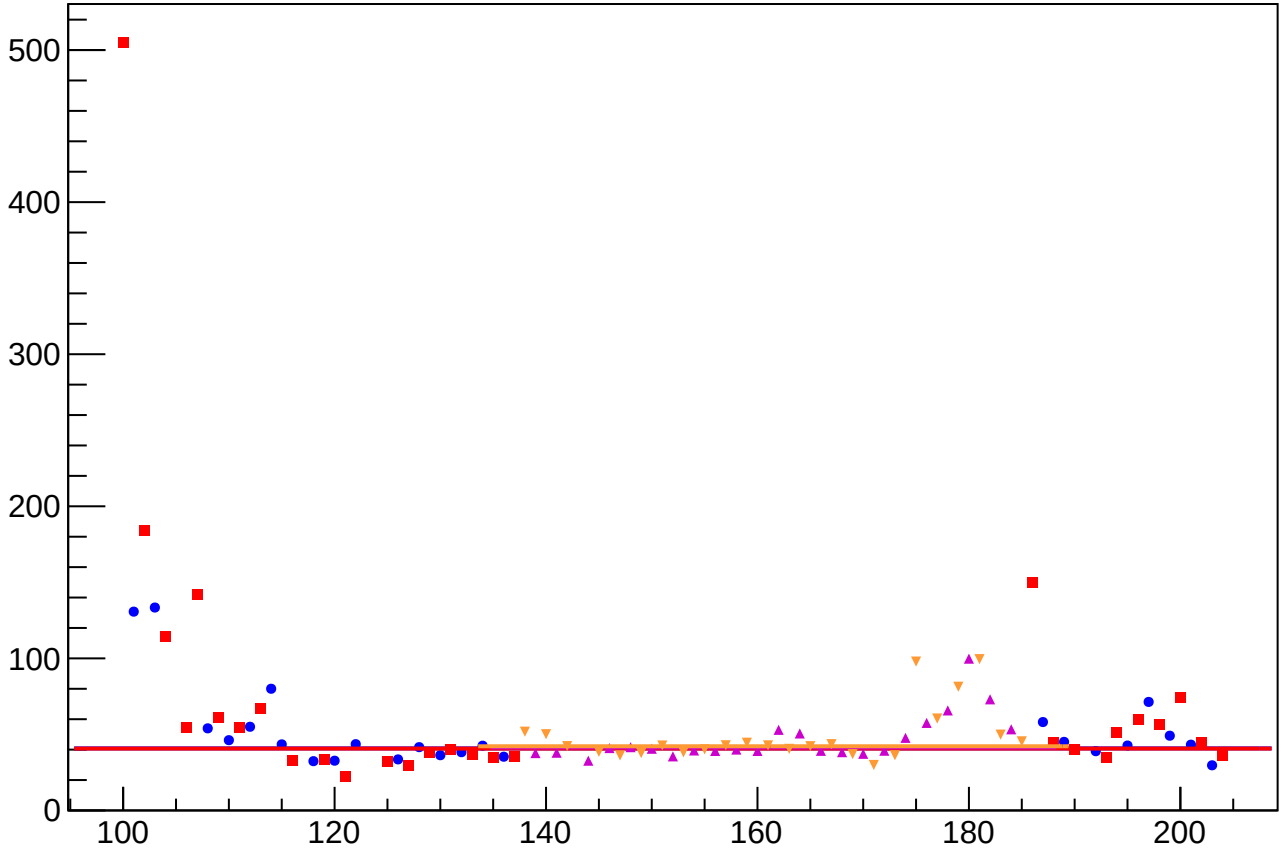
Right: 0.011+/-0.009 χ^2/NDF: 46.9/51

In: 0.012+/-0.008 χ^2/NDF:49.0/46

Out: -0.002+/-0.008 χ^2/NDF:42.2/51

All: 0.005+/-0.006 χ^2/NDF: 92.5/98

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 40.802+/-0.009 χ^2/NDF: 1921726.7/23

Left Out: 42.208+/-0.008 χ^2/NDF:1819378.3/23

Right Out: 40.691+/-0.009 χ^2/NDF: 3078237.8/27

Left In: 41.421+/-0.008 χ^2/NDF:1412111.4/22

Left: 41.808+/-0.005 χ^2/NDF: 3236767.5/46

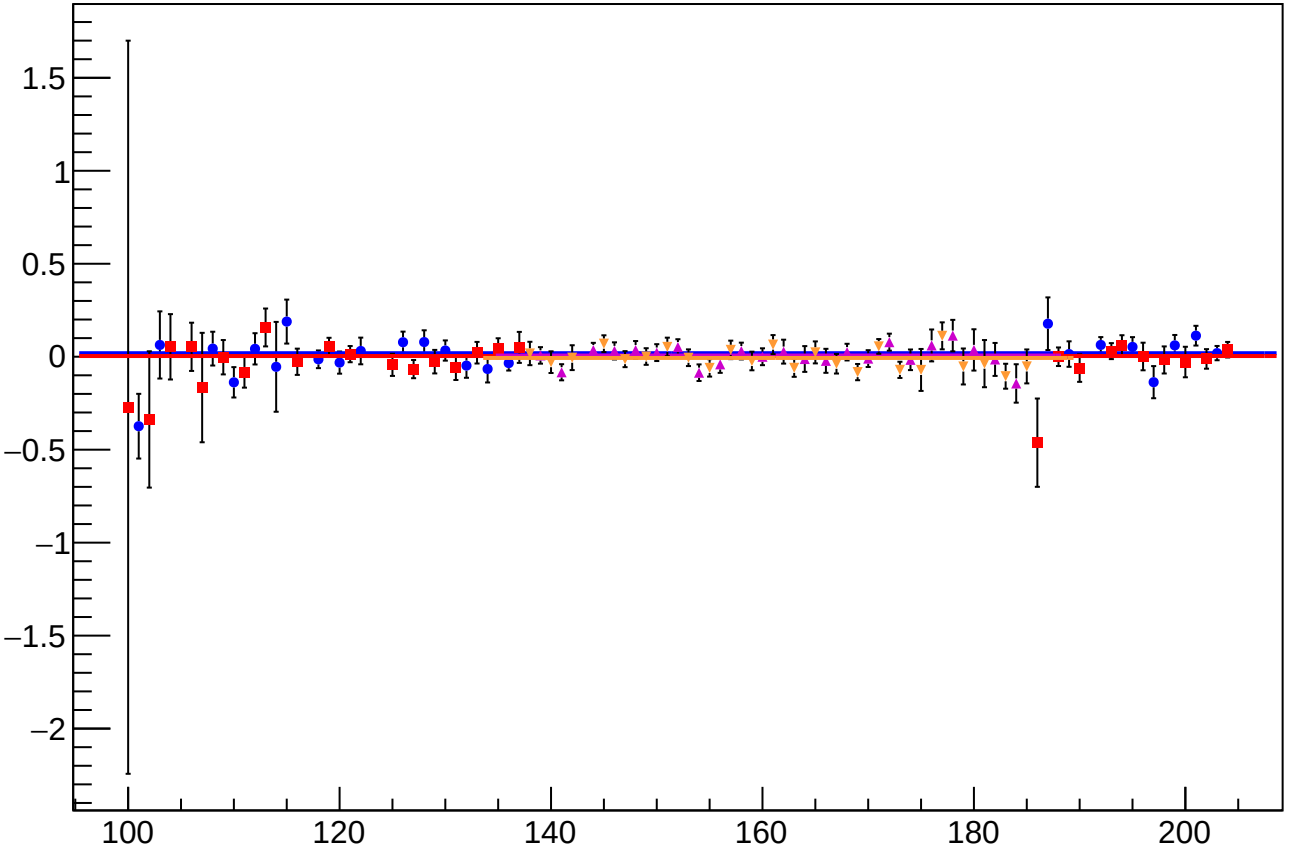
Right: 40.745+/-0.006 χ^2/NDF: 5000041.9/51

In: 41.165+/-0.006 χ^2/NDF:3336576.4/46

Out: 41.545+/-0.006 χ^2/NDF:4914457.8/51

All: 41.356+/-0.004 χ^2/NDF: 8253178.1/98

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.019+/-0.013 χ^2/NDF: 28.3/23

Left Out: -0.007+/-0.011 χ^2/NDF:23.9/23

Right Out: 0.004+/-0.012 χ^2/NDF: 17.9/27

Left In: 0.006+/-0.011 χ^2/NDF:20.1/22

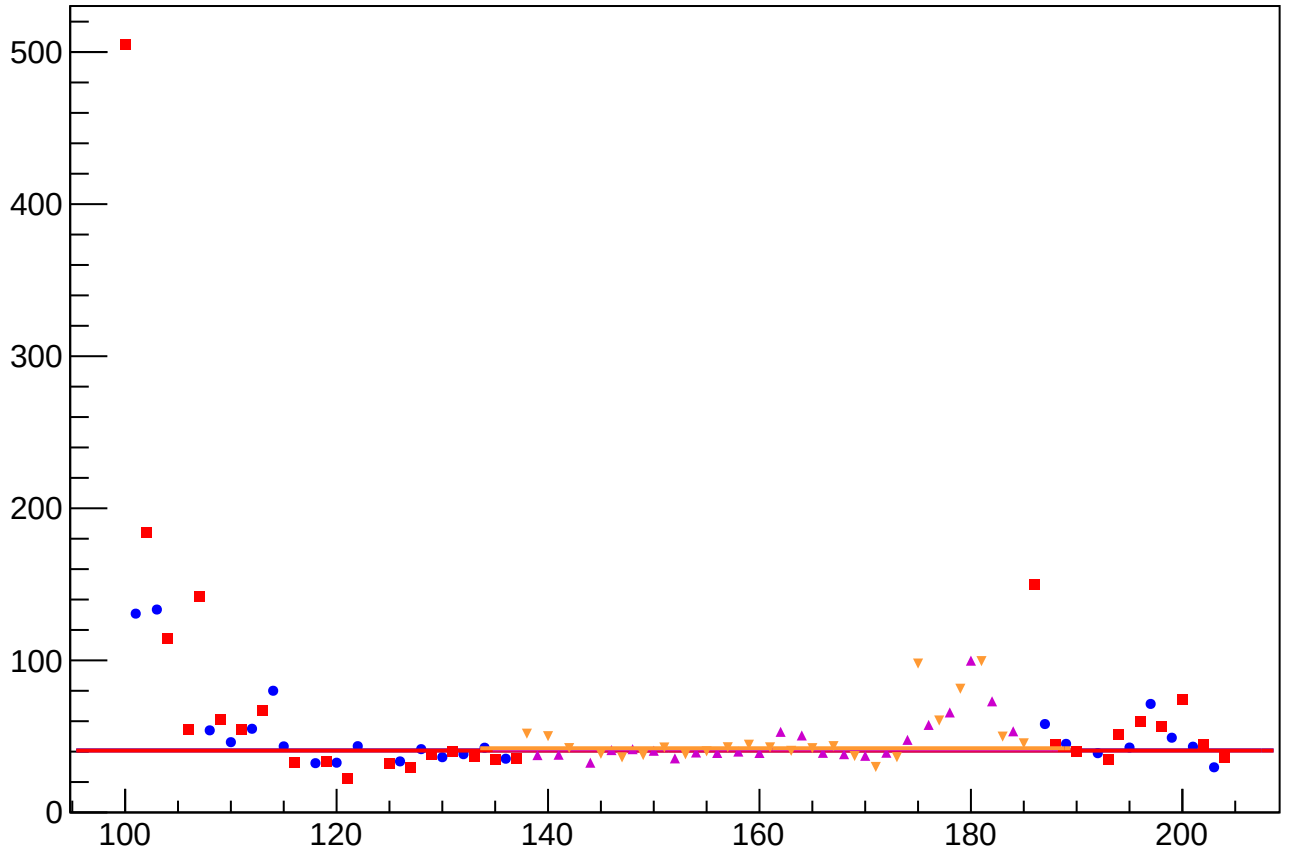
Left: -0.000+/-0.008 χ^2/NDF: 44.7/46

Right: 0.011+/-0.009 χ^2/NDF: 46.9/51

In: 0.012+/-0.008 χ^2/NDF:49.0/46

Out: -0.002+/-0.008 χ^2/NDF:42.2/51

All: 0.005+/-0.006 χ^2/NDF: 92.5/98



Right In: 40.802+/-0.009 χ^2/NDF: 1921726.7/23

Left Out: 42.208+/-0.008 χ^2/NDF:1819378.3/23

Right Out: 40.691+/-0.009 χ^2/NDF: 3078237.8/27

Left In: 41.421+/-0.008 χ^2/NDF:1412111.4/22

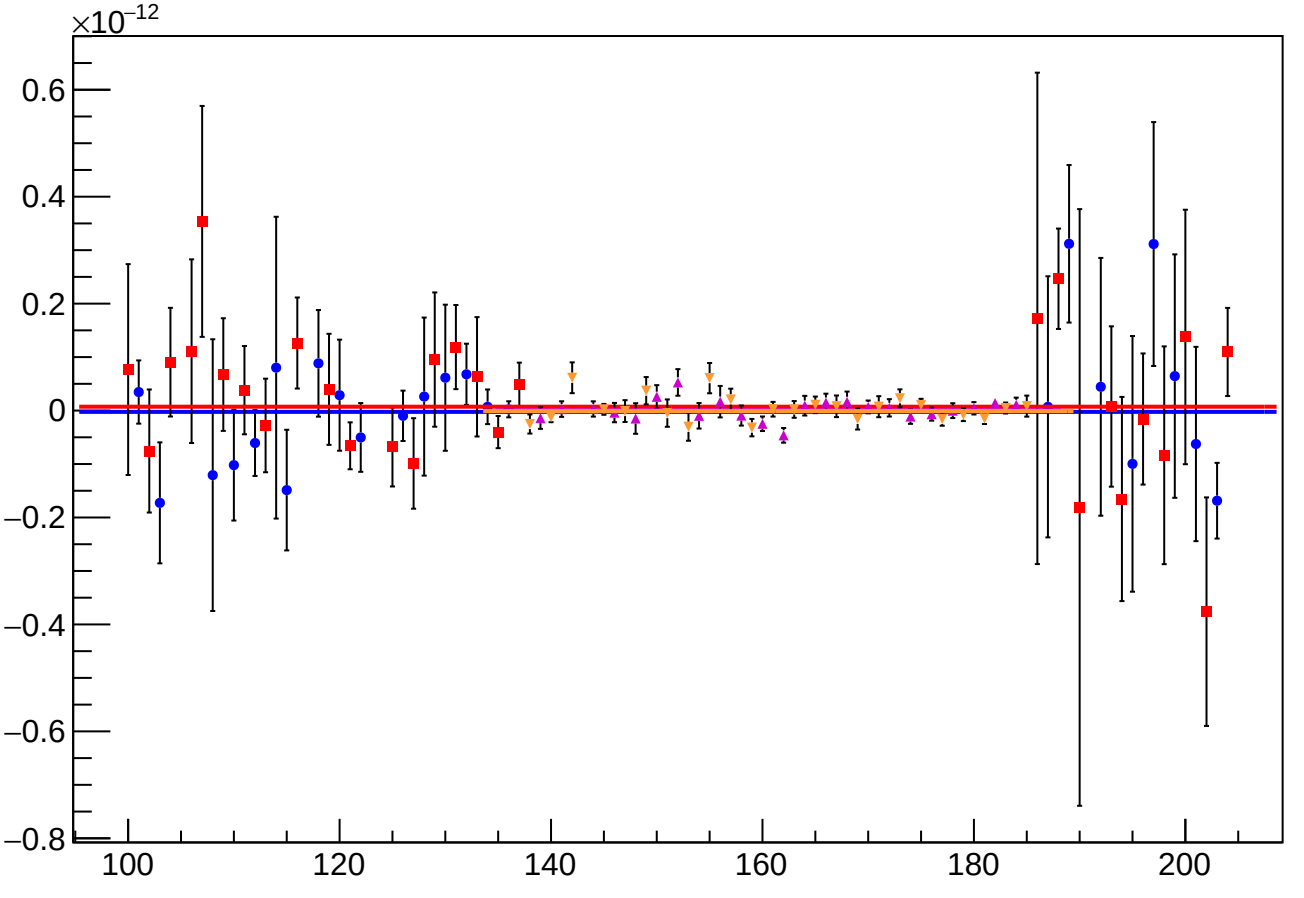
Left: 41.808+/-0.005 χ^2/NDF: 3236767.5/46

Right: 40.745+/-0.006 χ^2/NDF: 5000041.9/51

In: 41.165+/-0.006 χ^2/NDF:3336576.4/46

Out: 41.545+/-0.006 χ^2/NDF:4914457.8/51

All: 41.356+/-0.004 χ^2/NDF: 8253178.1/98



Right In: -0.000+/-0.000 χ^2/NDF: 22.3/23

Left Out: -0.000+/-0.000 χ^2/NDF:29.5/23

Right Out: 0.000+/-0.000 χ^2/NDF: 31.4/27

Left In: 0.000+/-0.000 χ^2/NDF:28.3/22

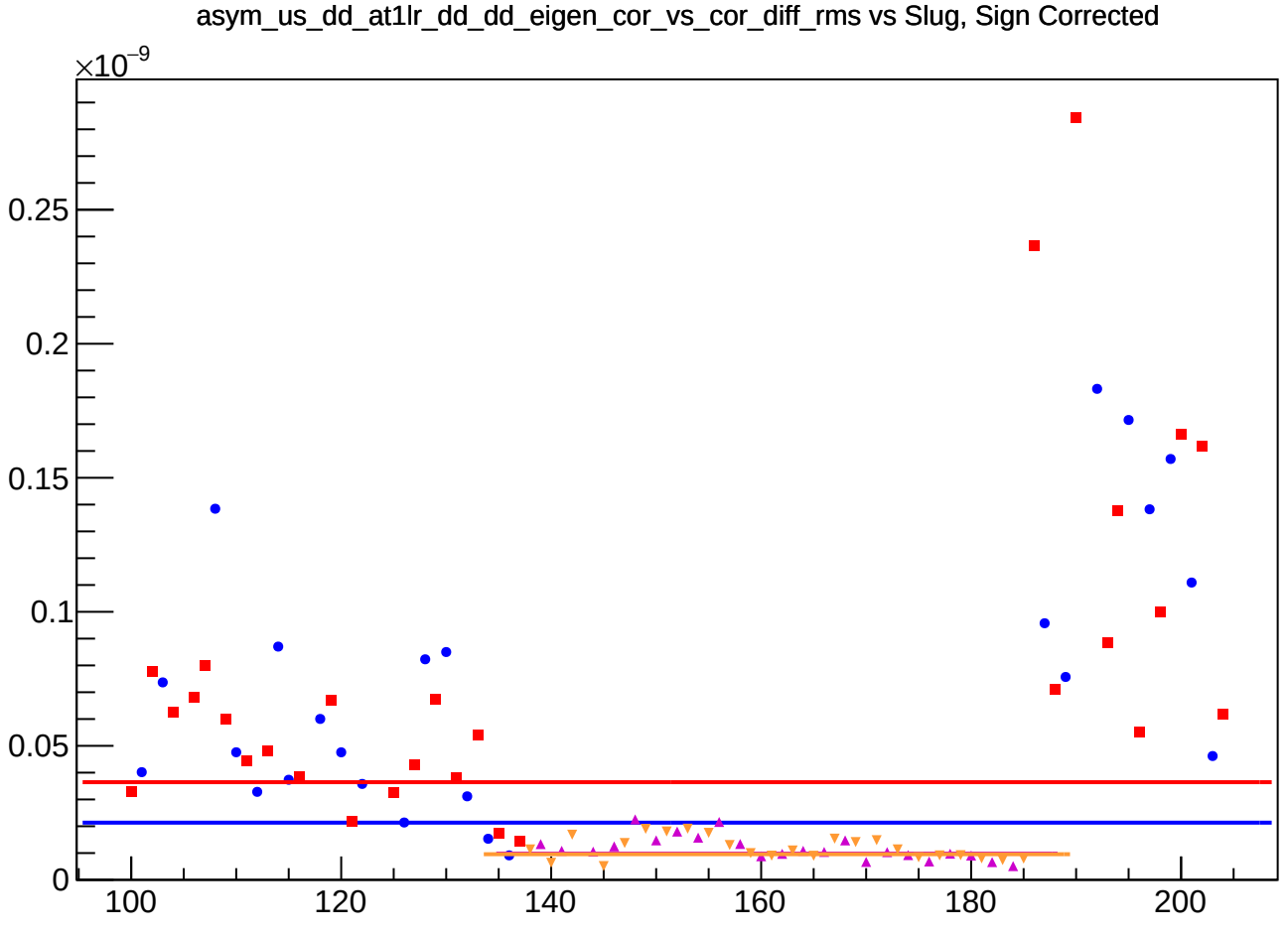
Left: -0.000+/-0.000 χ^2/NDF: 57.9/46

Right: 0.000+/-0.000 χ^2/NDF: 53.9/51

In: 0.000+/-0.000 χ^2/NDF:50.7/46

Out: -0.000+/-0.000 χ^2/NDF:61.2/51

All: -0.000+/-0.000 χ^2/NDF: 111.9/98



Right In: 0.000+/-0.000 χ^2/NDF: 8265607.6/23

Left Out: 0.000+/-0.000 χ^2/NDF:2445128.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 6219396.4/27

Left In: 0.000+/-0.000 χ^2/NDF:2250638.6/22

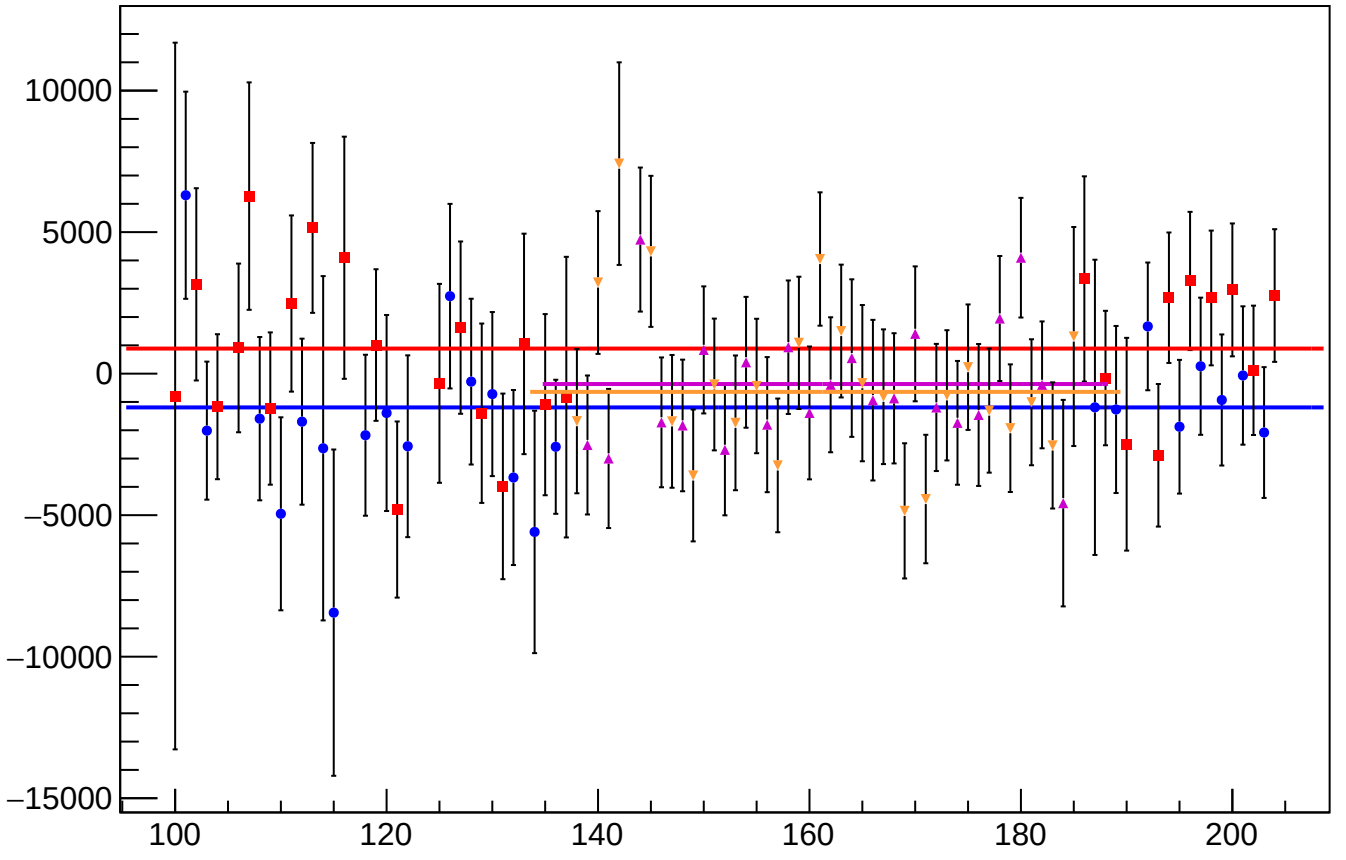
Left: 0.000+/-0.000 χ^2/NDF: 4701887.7/46

Right: 0.000+/-0.000 χ^2/NDF: 15724809.6/51

In: 0.000+/-0.000 χ^2/NDF:12448041.3/46

Out: 0.000+/-0.000 χ^2/NDF:14443671.0/51

All: 0.000+/-0.000 χ^2/NDF: 26892366.8/98



Right In: -1193.024+/-594.204 χ^2/NDF: 13.6/23

Left Out: -643.811+/-493.681 χ^2/NDF:27.1/23

Right Out: 886.049+/-556.854 χ^2/NDF: 20.5/27

Left In: -366.759+/-497.896 χ^2/NDF:17.3/22

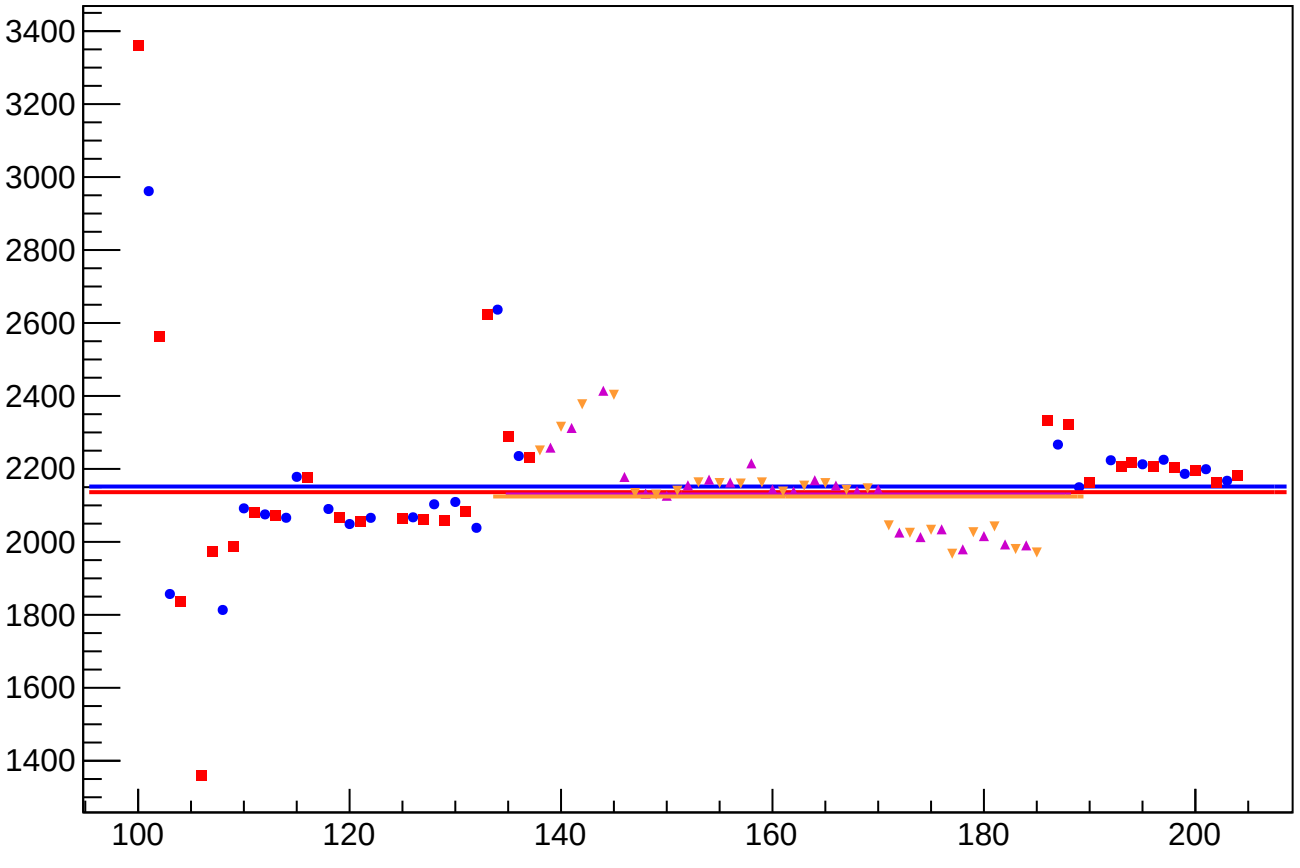
Left: -506.463+/-350.566 χ^2/NDF: 44.6/46

Right: -86.096+/-406.318 χ^2/NDF: 40.6/51

In: -707.589+/-381.632 χ^2/NDF:32.0/46

Out: 29.454+/-369.410 χ^2/NDF:51.8/51

All: -327.076+/-265.428 χ^2/NDF: 85.8/98



Right In: 2151.733+/-0.420 χ^2/NDF: 201749.1/23

Left Out: 2124.437+/-0.349 χ^2/NDF:89184.0/23

Right Out: 2136.277+/-0.394 χ^2/NDF: 295464.0/27

Left In: 2129.897+/-0.352 χ^2/NDF:85354.5/22

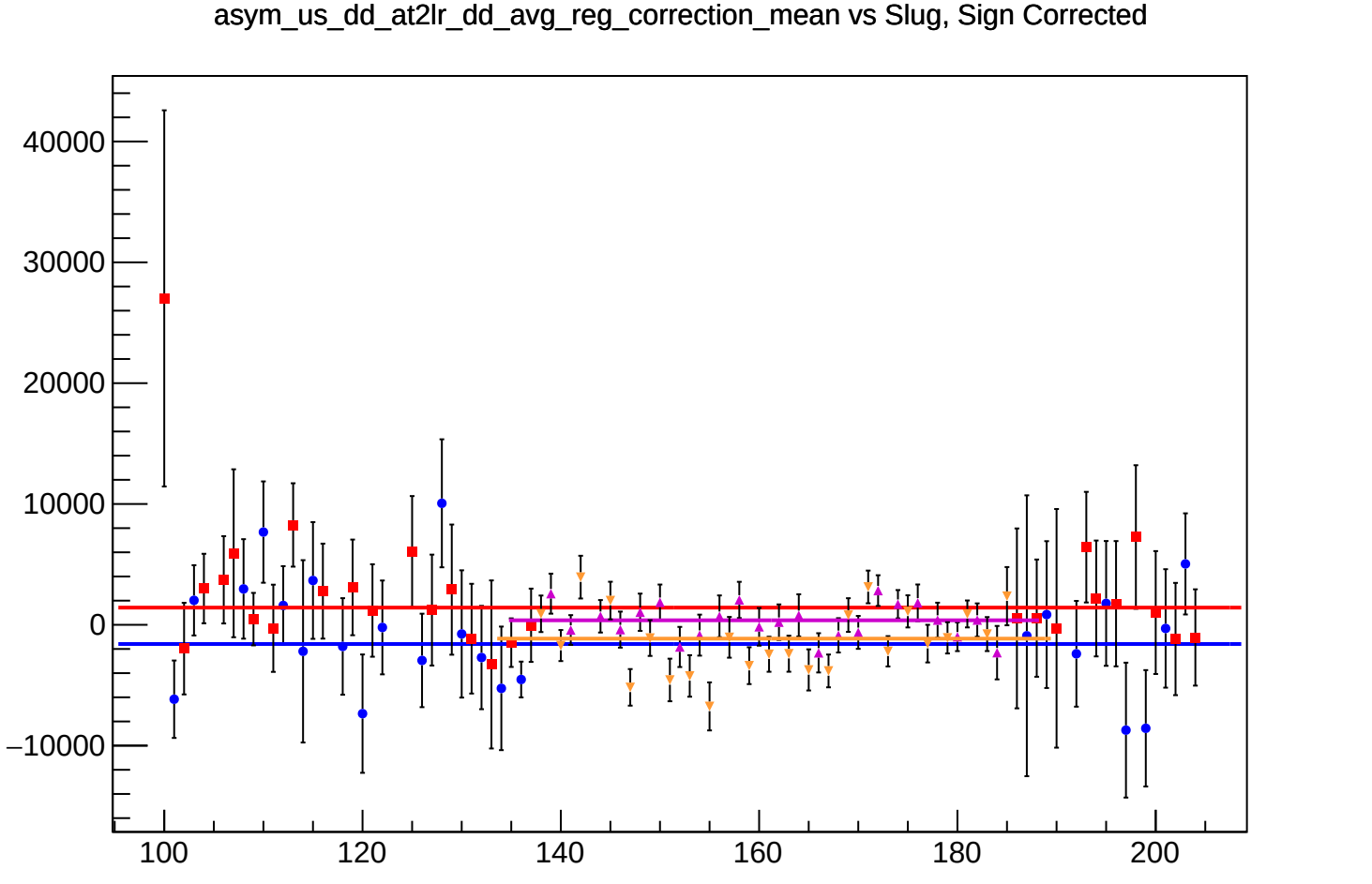
Left: 2127.144+/-0.248 χ^2/NDF: 174659.8/46

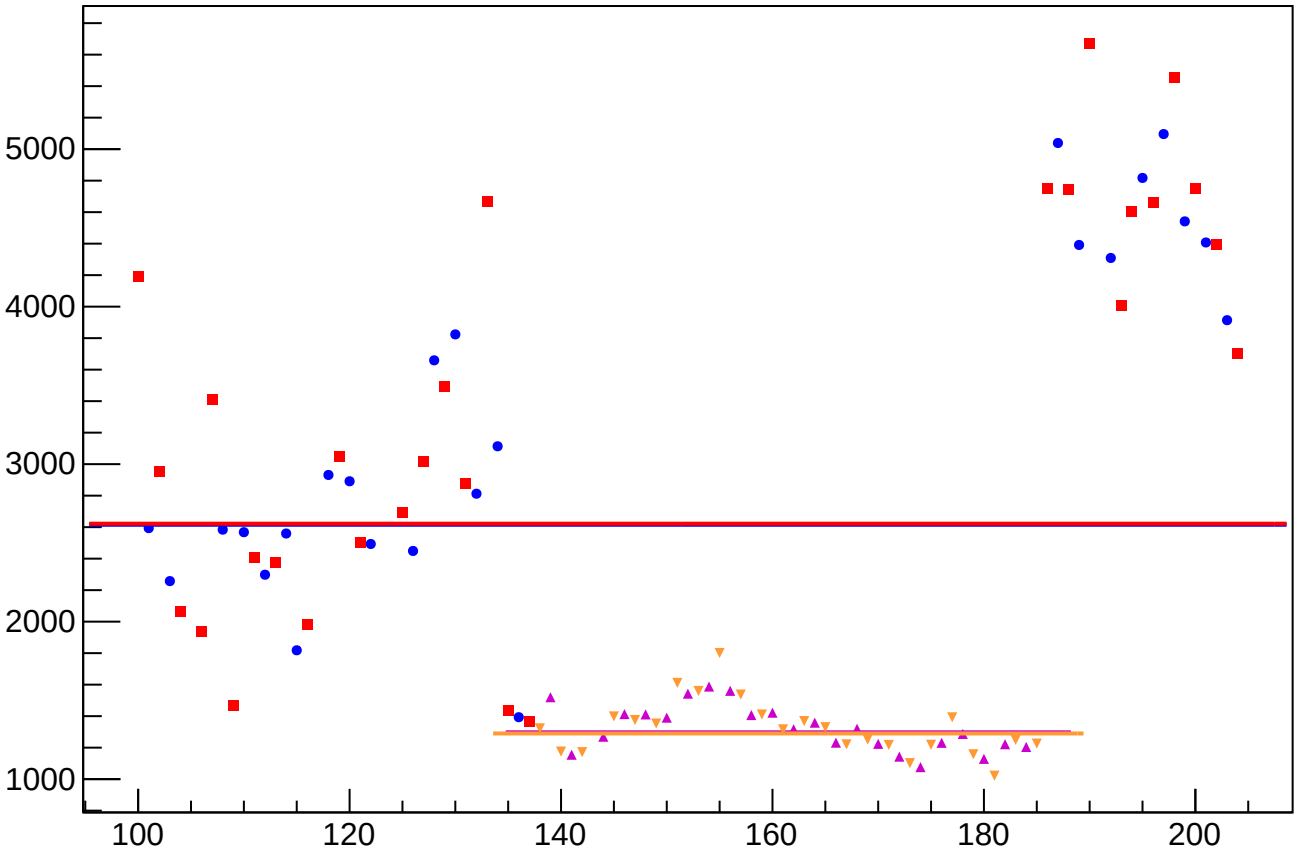
Right: 2143.504+/-0.287 χ^2/NDF: 497933.6/51

In: 2138.904+/-0.270 χ^2/NDF:288690.3/46

Out: 2129.648+/-0.261 χ^2/NDF:385154.3/51

All: 2134.125+/-0.188 χ^2/NDF: 674452.1/98


asym_us_dd_at2lr_dd_avg_reg_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
100
120
140
160
180
200
Right In: -1587.962+/-780.244 χ²/NDF: 29.8/23
Left Out: -1144.817+/-302.488 χ²/NDF:67.5/23
Right Out: 1423.147+/-747.154 χ²/NDF: 16.4/27
Left In: 373.302+/-305.378 χ²/NDF:20.3/22
Left: -392.974+/-214.906 χ²/NDF: 100.3/46
Right: -17.205+/-539.637 χ²/NDF: 54.0/51
In: 112.776+/-284.373 χ²/NDF:55.6/46
Out: -783.185+/-280.381 χ²/NDF:94.1/51
All: -341.537+/-199.656 χ²/NDF: 154.7/98



Right In: 2615.191+/-0.552 χ^2/NDF: 3792893.1/23

Left Out: 1290.029+/-0.214 χ^2/NDF:567950.9/23

Right Out: 2621.989+/-0.528 χ^2/NDF: 4963717.7/27

Left In: 1297.454+/-0.216 χ^2/NDF:433995.4/22

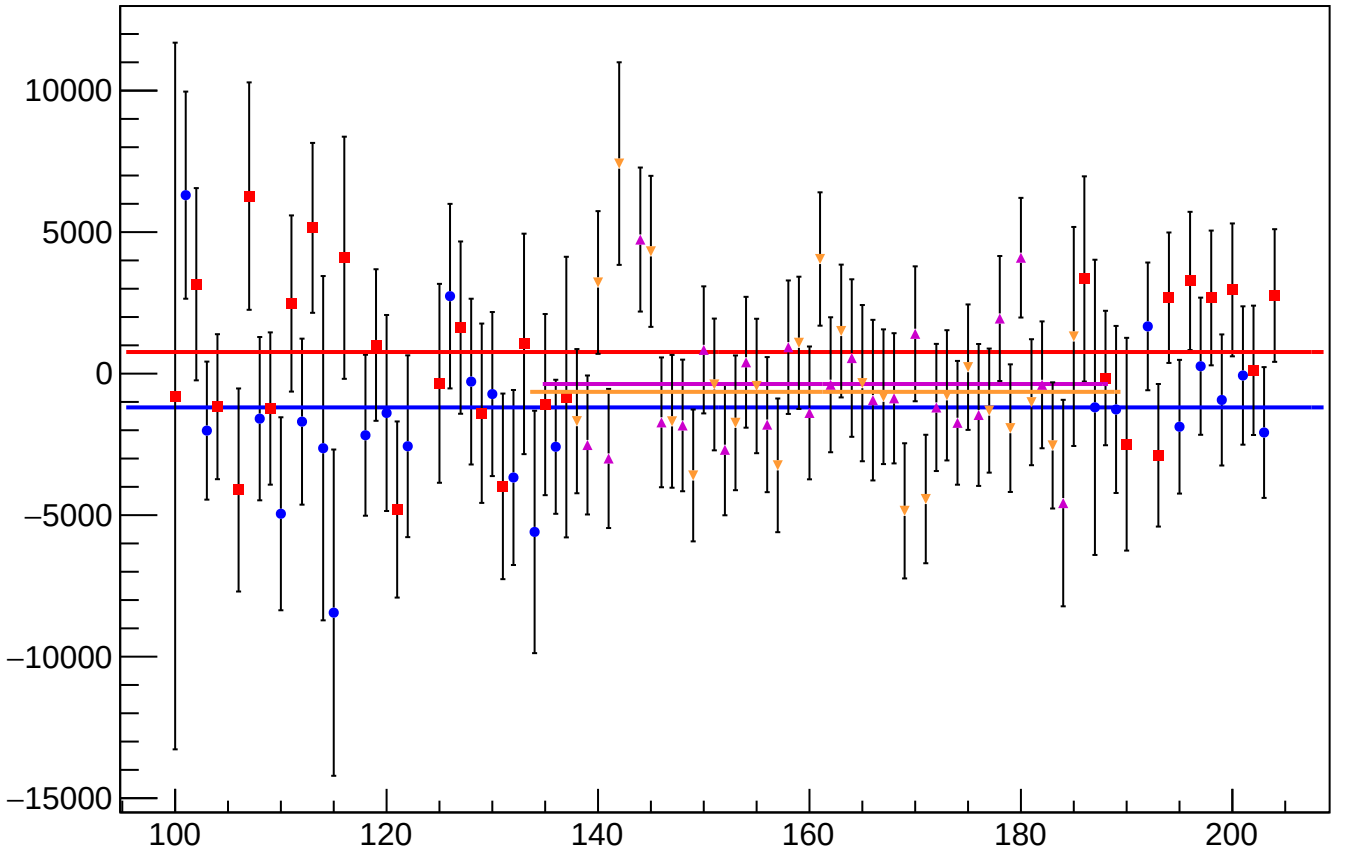
Left: 1293.707+/-0.152 χ^2/NDF: 1002543.1/46

Right: 2618.737+/-0.382 χ^2/NDF: 8756690.0/51

In: 1472.497+/-0.201 χ^2/NDF:9173726.0/46

Out: 1477.602+/-0.198 χ^2/NDF:10992686.6/51

All: 1475.085+/-0.141 χ^2/NDF: 20166739.4/9



Right In: -1193.057+/-594.204 χ^2/NDF: 13.6/23

Left Out: -643.673+/-493.681 χ^2/NDF:27.1/23

Right Out: 763.727+/-559.892 χ^2/NDF: 22.4/27

Left In: -366.649+/-497.896 χ^2/NDF:17.3/22

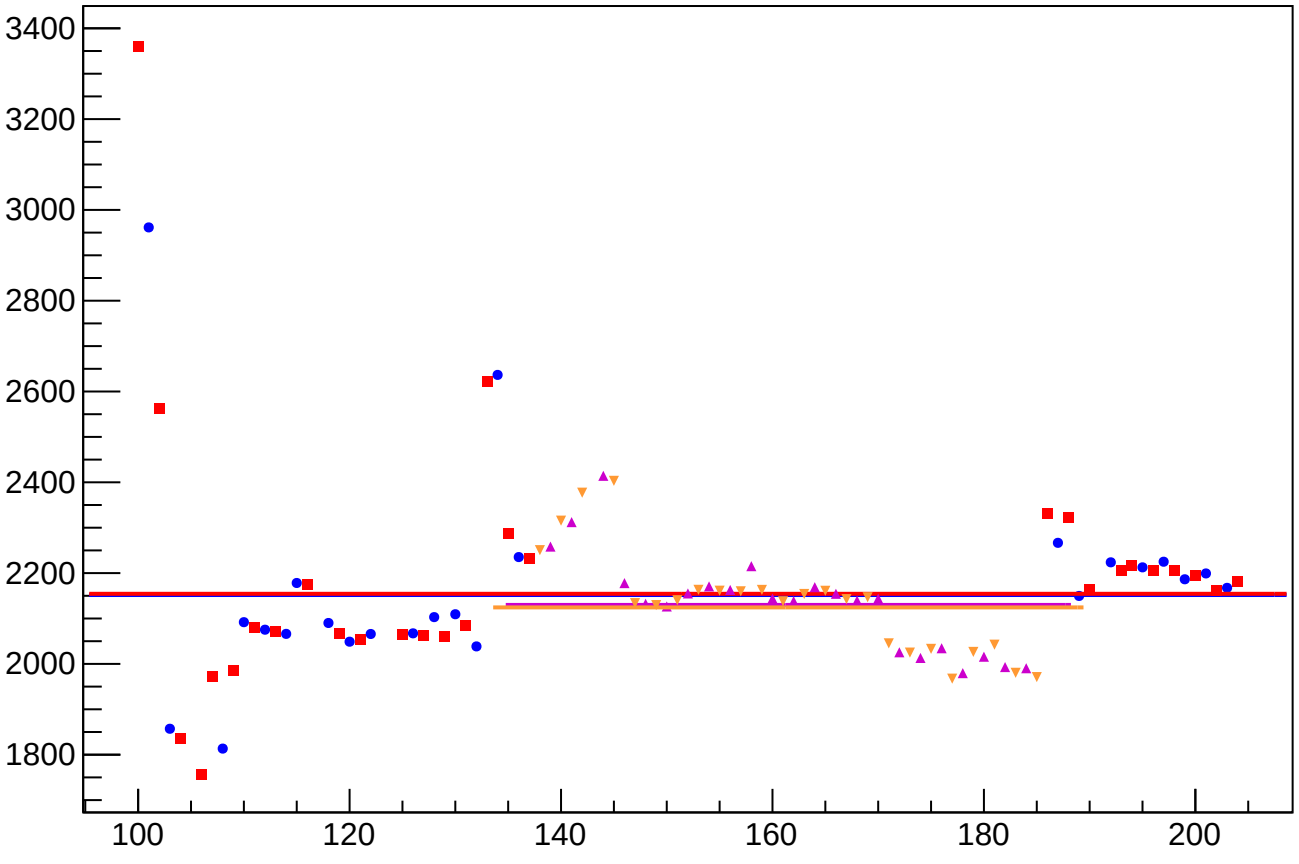
Left: -506.339+/-350.566 χ^2/NDF: 44.6/46

Right: -156.540+/-407.494 χ^2/NDF: 41.7/51

In: -707.538+/-381.632 χ^2/NDF:32.0/46

Out: -28.072+/-370.293 χ^2/NDF:53.1/51

All: -357.561+/-265.755 χ^2/NDF: 86.7/98



Right In: 2151.732+/-0.420 χ^2/NDF: 201749.5/23

Left Out: 2124.437+/-0.349 χ^2/NDF:89184.0/23

Right Out: 2154.388+/-0.396 χ^2/NDF: 180423.1/27

Left In: 2129.897+/-0.352 χ^2/NDF:85354.4/22

Left: 2127.144+/-0.248 χ^2/NDF: 174659.7/46

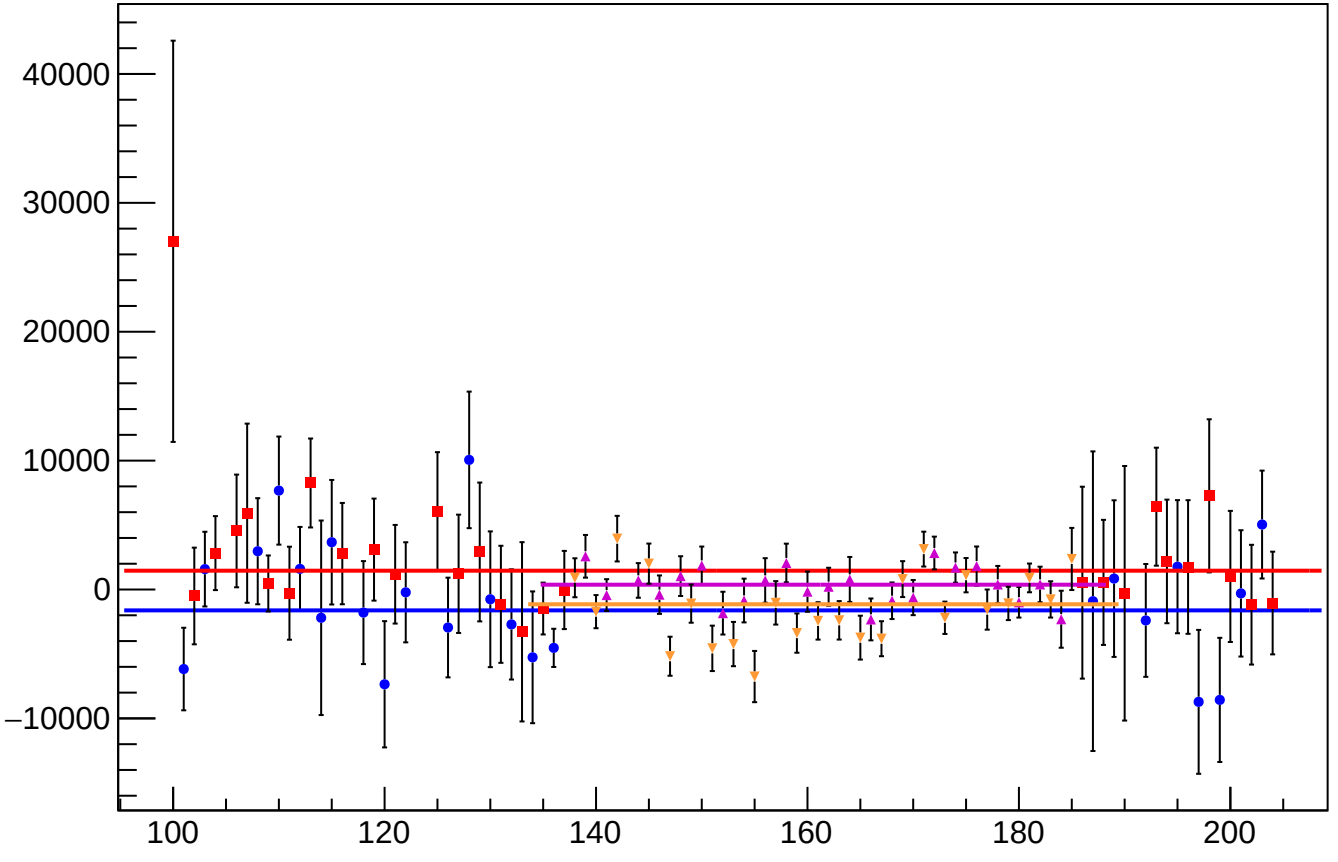
Right: 2153.139+/-0.288 χ^2/NDF: 382193.7/51

In: 2138.904+/-0.270 χ^2/NDF:288690.7/46

Out: 2137.538+/-0.262 χ^2/NDF:272827.1/51

All: 2138.200+/-0.188 χ^2/NDF: 561530.9/98

asym_us_dd_at2lr_dd_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -1619.152+/-780.028 χ^2/NDF: 29.4/23

Left Out: -1144.779+/-302.490 χ^2/NDF:67.5/23

Right Out: 1460.255+/-751.816 χ^2/NDF: 15.9/27

Left In: 373.186+/-305.379 χ^2/NDF:20.3/22

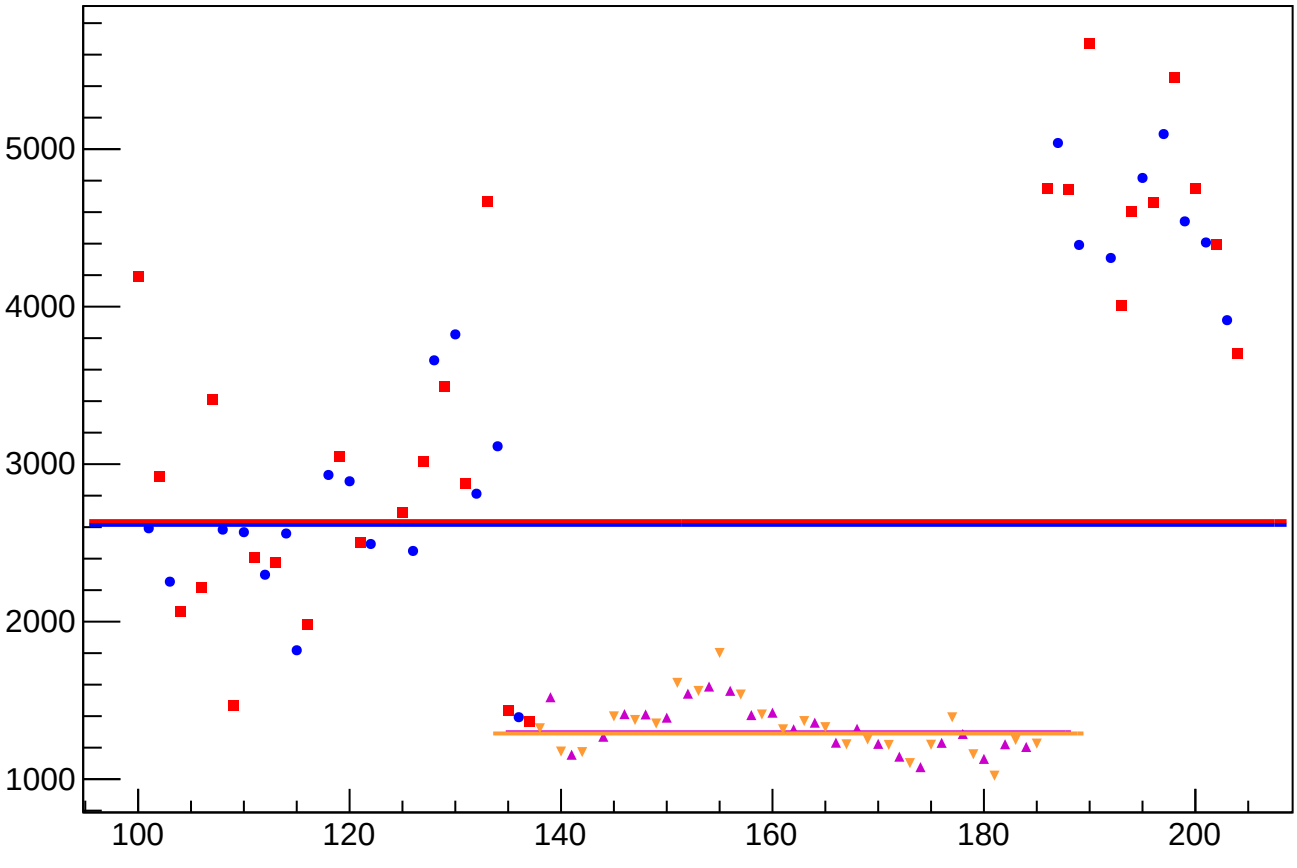
Left: -393.009+/-214.907 χ^2/NDF: 100.3/46

Right: -22.754+/-541.313 χ^2/NDF: 53.5/51

In: 108.404+/-284.363 χ^2/NDF:55.4/46

Out: -781.826+/-280.628 χ^2/NDF:93.8/51

All: -342.596+/-199.741 χ^2/NDF: 154.2/98



Right In: 2614.690+/-0.552 χ^2/NDF: 3793686.6/23

Left Out: 1290.041+/-0.214 χ^2/NDF:567883.5/23

Right Out: 2638.294+/-0.532 χ^2/NDF: 4907301.1/27

Left In: 1297.458+/-0.216 χ^2/NDF:434006.2/22

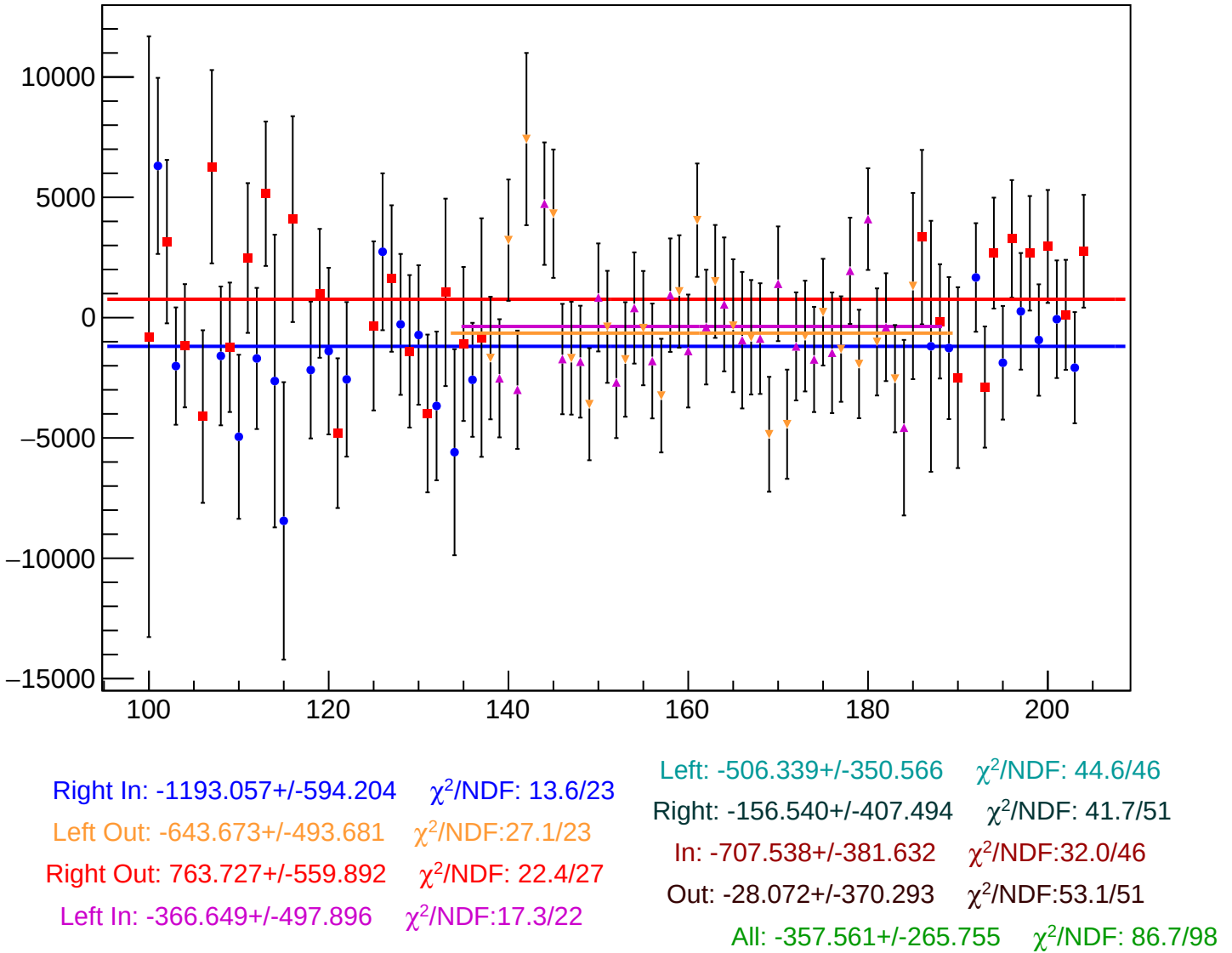
Left: 1293.714+/-0.152 χ^2/NDF: 1002485.3/46

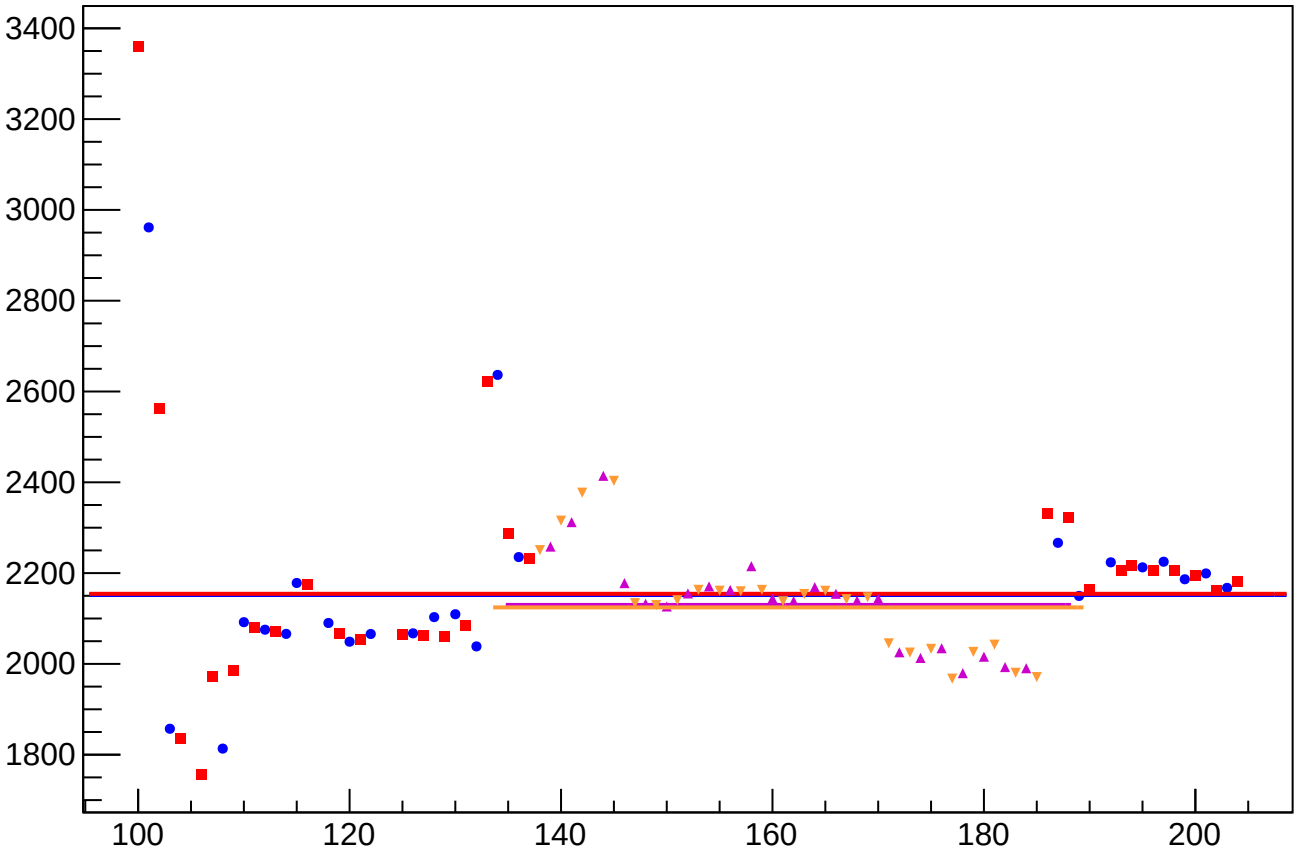
Right: 2626.927+/-0.383 χ^2/NDF: 8701937.1/51

In: 1472.518+/-0.201 χ^2/NDF:9173115.8/46

Out: 1477.890+/-0.198 χ^2/NDF:11011077.5/51

All: 1475.239+/-0.141 χ^2/NDF: 20184554.8/9


eigen_cor_asym_us_dd_at2lr_dd_avg_mean vs Slug, Sign Corrected
10000
5000
0
−5000
−10000
−15000
100
120
140
160
180
200
Right In: -1193.057+/-594.204 χ²/NDF: 13.6/23
Left Out: -643.673+/-493.681 χ²/NDF:27.1/23
Right Out: 763.727+/-559.892 χ²/NDF: 22.4/27
Left In: -366.649+/-497.896 χ²/NDF:17.3/22
Left: -506.339+/-350.566 χ²/NDF: 44.6/46
Right: -156.540+/-407.494 χ²/NDF: 41.7/51
In: -707.538+/-381.632 χ²/NDF:32.0/46
Out: -28.072+/-370.293 χ²/NDF:53.1/51
All: -357.561+/-265.755 χ²/NDF: 86.7/98



Right In: 2151.732+/-0.420 χ^2/NDF: 201749.5/23

Left Out: 2124.437+/-0.349 χ^2/NDF:89184.0/23

Right Out: 2154.388+/-0.396 χ^2/NDF: 180423.1/27

Left In: 2129.897+/-0.352 χ^2/NDF:85354.4/22

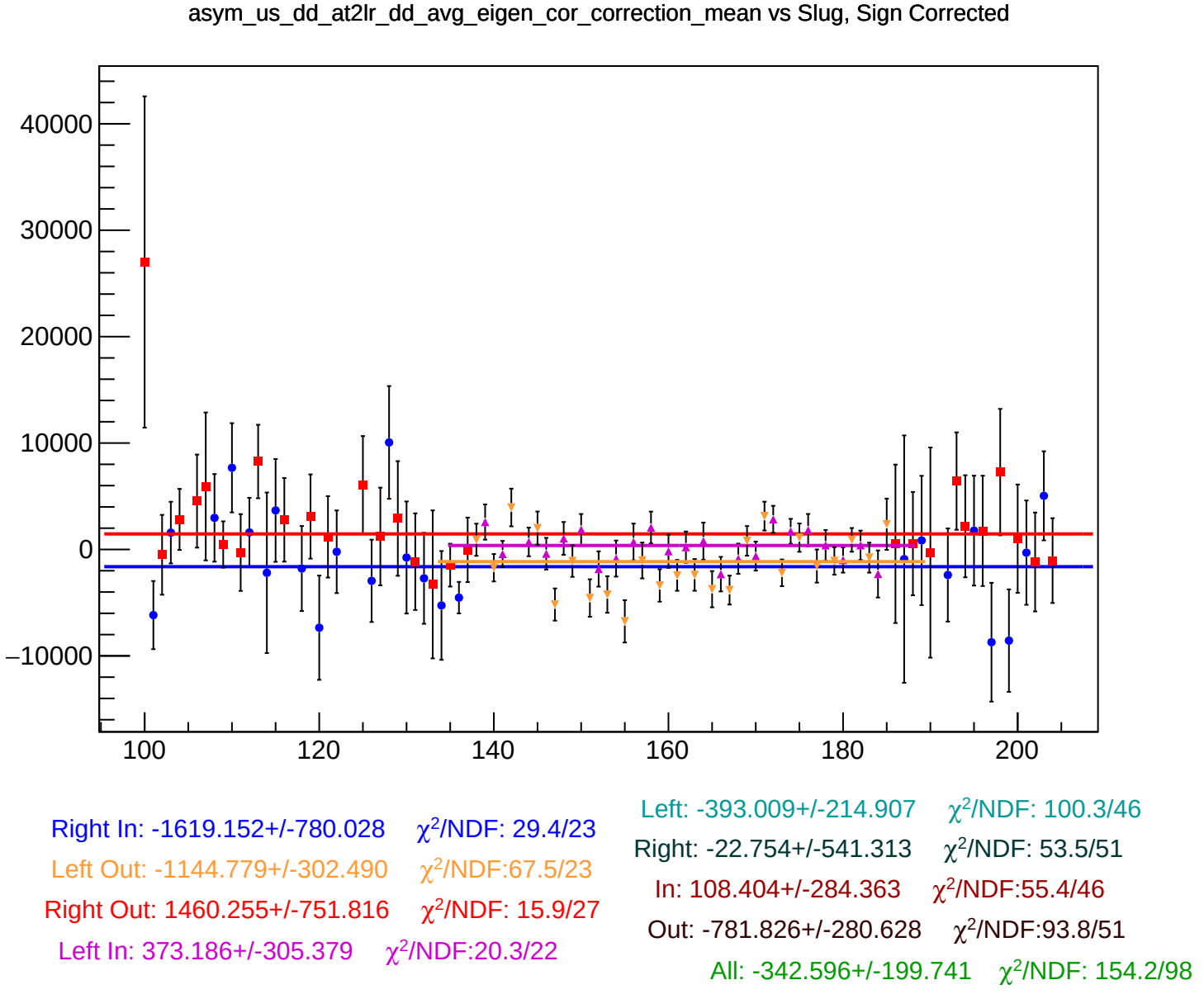
Left: 2127.144+/-0.248 χ^2/NDF: 174659.7/46

Right: 2153.139+/-0.288 χ^2/NDF: 382193.7/51

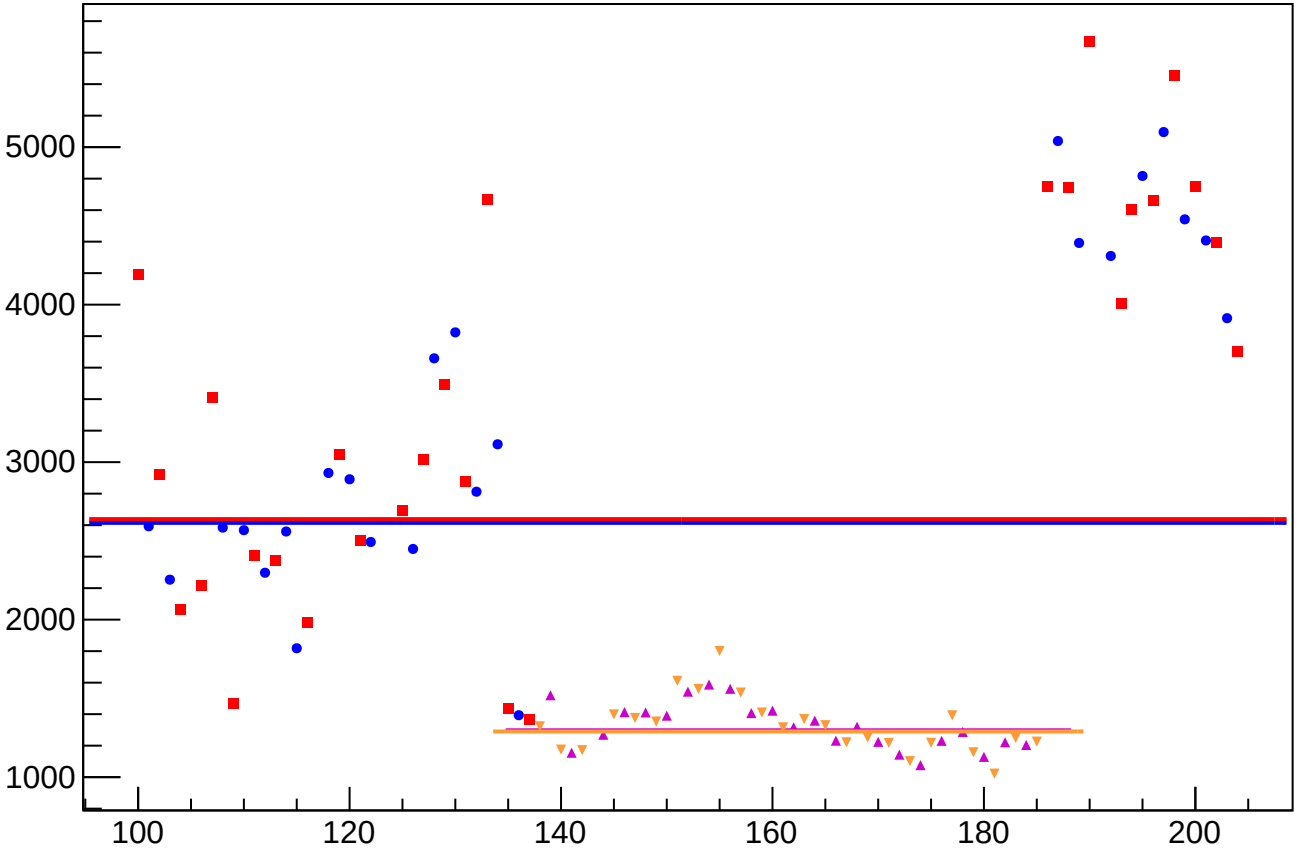
In: 2138.904+/-0.270 χ^2/NDF:288690.7/46

Out: 2137.538+/-0.262 χ^2/NDF:272827.1/51

All: 2138.200+/-0.188 χ^2/NDF: 561530.9/98


asym_us_dd_at2lr_dd_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
100
120
140
160
180
200
Right In: -1619.152+/-780.028 χ²/NDF: 29.4/23
Left Out: -1144.779+/-302.490 χ²/NDF:67.5/23
Right Out: 1460.255+/-751.816 χ²/NDF: 15.9/27
Left In: 373.186+/-305.379 χ²/NDF:20.3/22
Left: -393.009+/-214.907 χ²/NDF: 100.3/46
Right: -22.754+/-541.313 χ²/NDF: 53.5/51
In: 108.404+/-284.363 χ²/NDF:55.4/46
Out: -781.826+/-280.628 χ²/NDF:93.8/51
All: -342.596+/-199.741 χ²/NDF: 154.2/98

asym_us_dd_at2lr_dd_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 2614.690+/-0.552 χ^2/NDF: 3793686.6/23

Left Out: 1290.041+/-0.214 χ^2/NDF:567883.5/23

Right Out: 2638.294+/-0.532 χ^2/NDF: 4907301.1/27

Left In: 1297.458+/-0.216 χ^2/NDF:434006.2/22

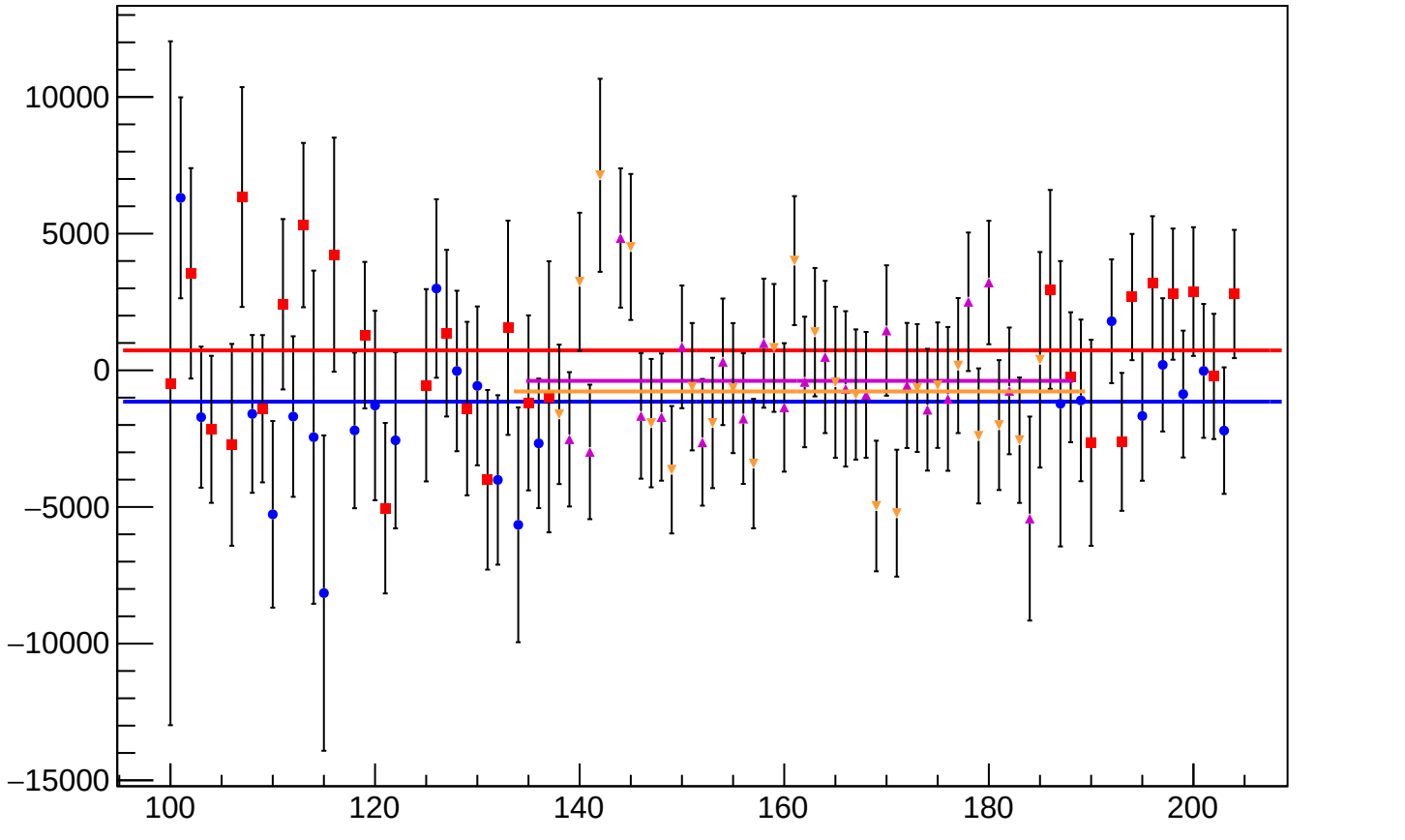
Left: 1293.714+/-0.152 χ^2/NDF: 1002485.3/46

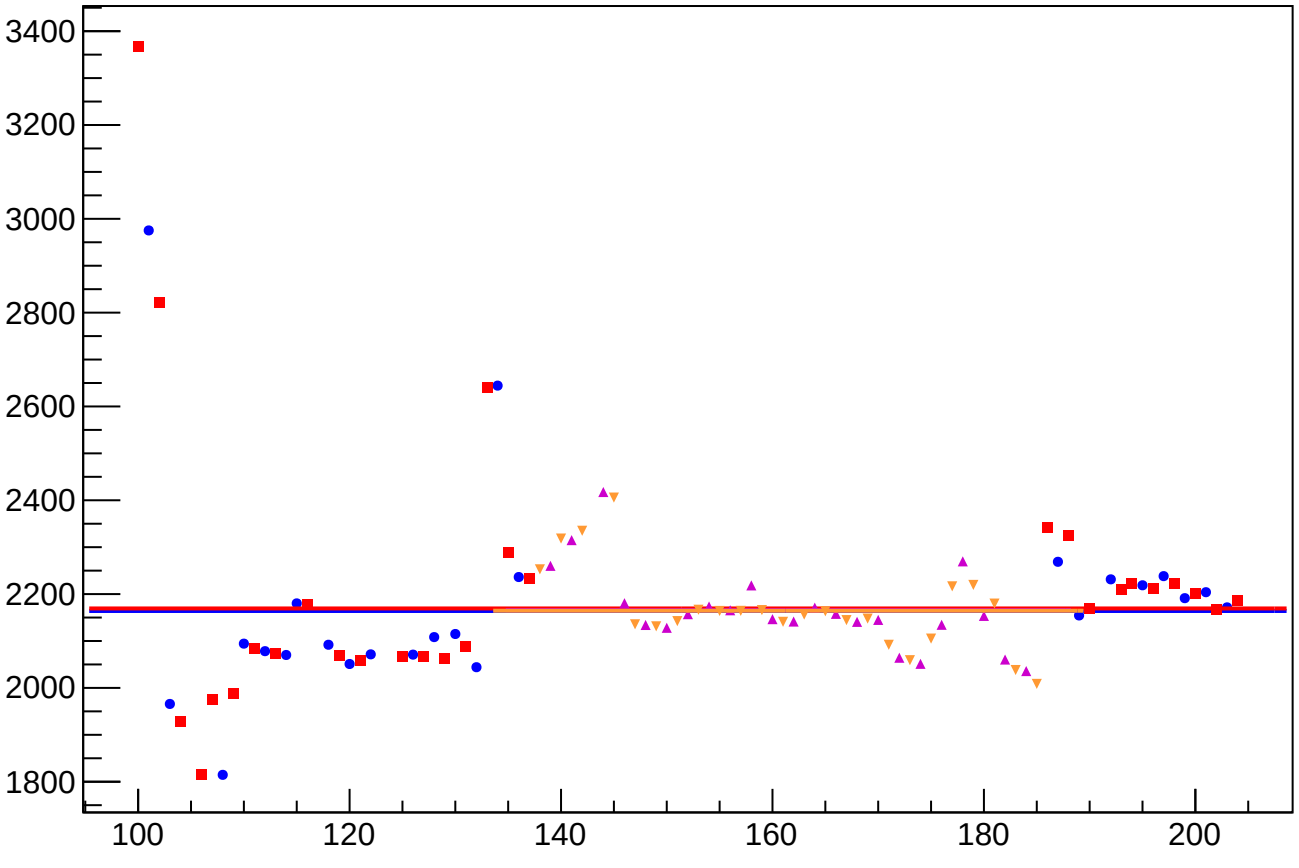
Right: 2626.927+/-0.383 χ^2/NDF: 8701937.1/51

In: 1472.518+/-0.201 χ^2/NDF:9173115.8/46

Out: 1477.890+/-0.198 χ^2/NDF:11011077.5/51

All: 1475.239+/-0.141 χ^2/NDF: 20184554.8/9


dit_asym_us_dd_at2lr_dd_avg_mean vs Slug, Sign Corrected
10000
5000
0
−5000
−10000
−15000
100
120
140
160
180
200
Right In: -1148.394+/-597.407 χ²/NDF: 14.2/23
Left Out: -773.579+/-502.816 χ²/NDF:28.6/23
Right Out: 728.059+/-564.435 χ²/NDF: 22.5/27
Left In: -385.269+/-506.052 χ²/NDF:15.6/22
Left: -580.670+/-356.683 χ²/NDF: 44.5/46
Right: -156.958+/-410.277 χ²/NDF: 41.9/51
In: -704.083+/-386.137 χ²/NDF:30.8/46
Out: -109.170+/-375.447 χ²/NDF:55.0/51
All: -398.278+/-269.181 χ²/NDF: 87.0/98



Right In: 2163.998+/-0.422 χ^2/NDF: 185664.4/23

Left Out: 2164.532+/-0.356 χ^2/NDF:50676.3/23

Right Out: 2169.374+/-0.399 χ^2/NDF: 188625.9/27

Left In: 2165.643+/-0.358 χ^2/NDF:52124.5/22

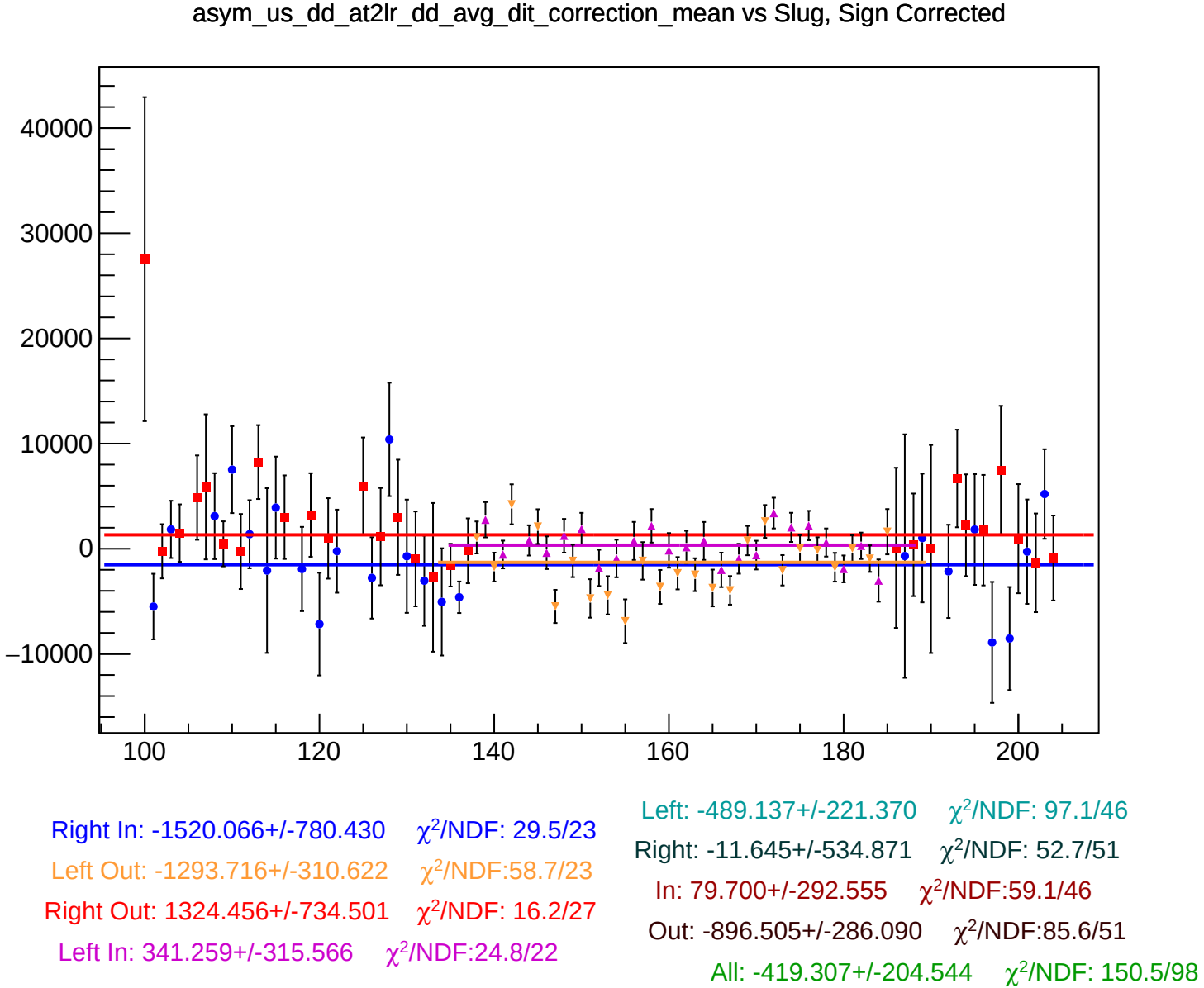
Left: 2165.084+/-0.252 χ^2/NDF: 102805.6/46

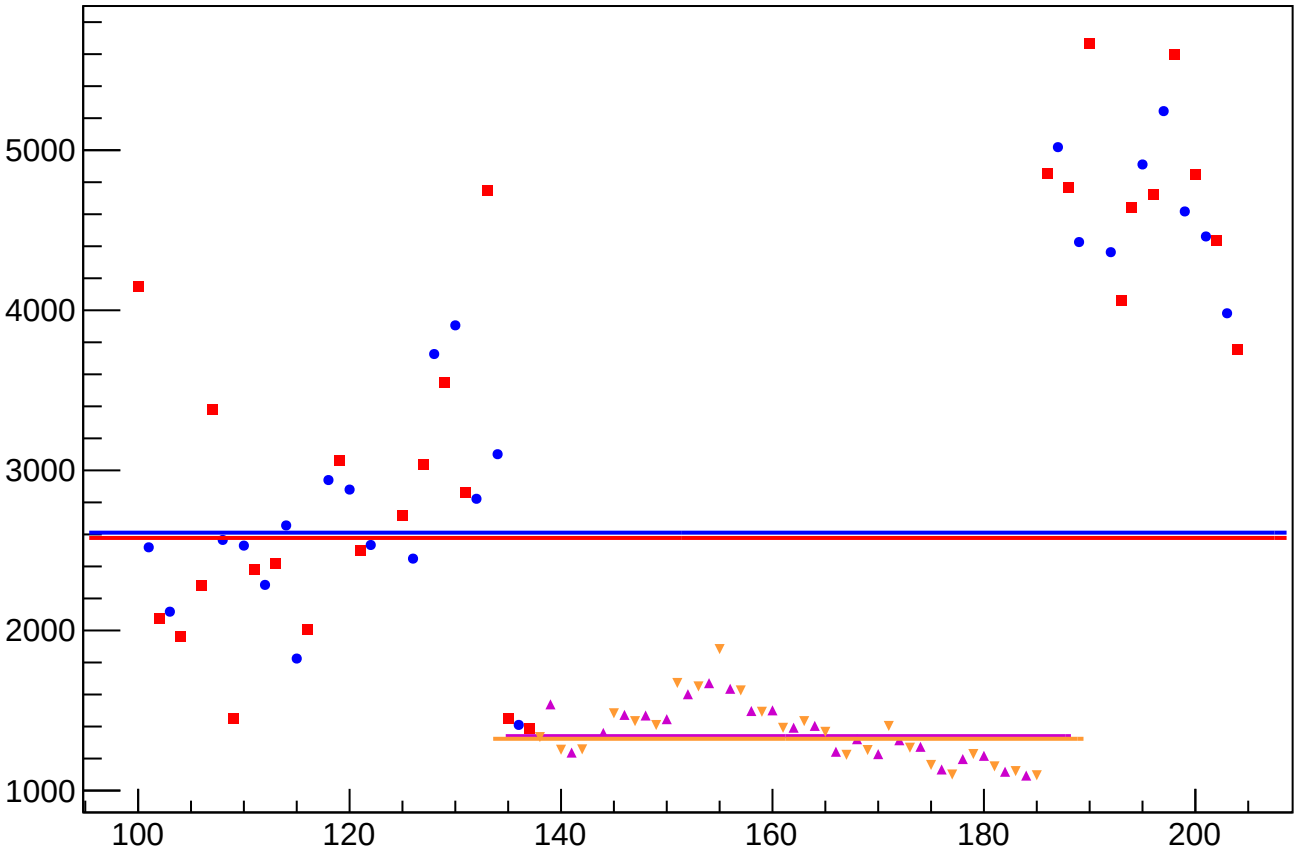
Right: 2166.838+/-0.290 χ^2/NDF: 374375.8/51

In: 2164.956+/-0.273 χ^2/NDF:237797.6/46

Out: 2166.674+/-0.265 χ^2/NDF:239384.2/51

All: 2165.839+/-0.190 χ^2/NDF: 477202.2/98


asym_us_dd_at2lr_dd_avg_dit_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
100
120
140
160
180
200
Right In: -1520.066+/-780.430 χ²/NDF: 29.5/23
Left Out: -1293.716+/-310.622 χ²/NDF:58.7/23
Right Out: 1324.456+/-734.501 χ²/NDF: 16.2/27
Left In: 341.259+/-315.566 χ²/NDF:24.8/22
Left: -489.137+/-221.370 χ²/NDF: 97.1/46
Right: -11.645+/-534.871 χ²/NDF: 52.7/51
In: 79.700+/-292.555 χ²/NDF:59.1/46
Out: -896.505+/-286.090 χ²/NDF:85.6/51
All: -419.307+/-204.544 χ²/NDF: 150.5/98



Right In: 2611.038+/-0.552 χ^2/NDF: 3872696.4/23

Left Out: 1323.402+/-0.220 χ^2/NDF:663859.2/23

Right Out: 2578.018+/-0.519 χ^2/NDF: 5104139.0/27

Left In: 1340.084+/-0.223 χ^2/NDF:494267.4/22

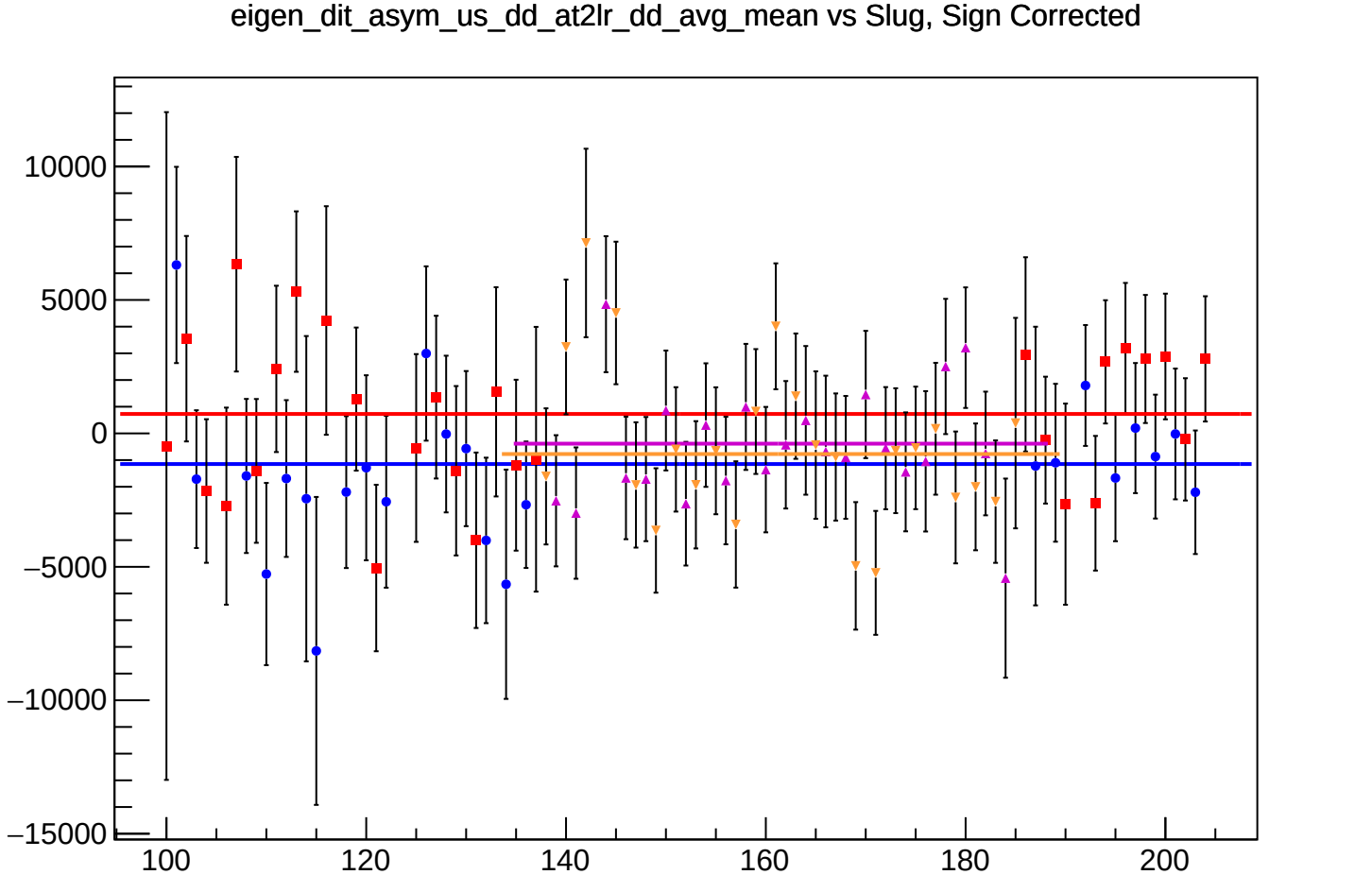
Left: 1331.612+/-0.157 χ^2/NDF: 1160965.4/46

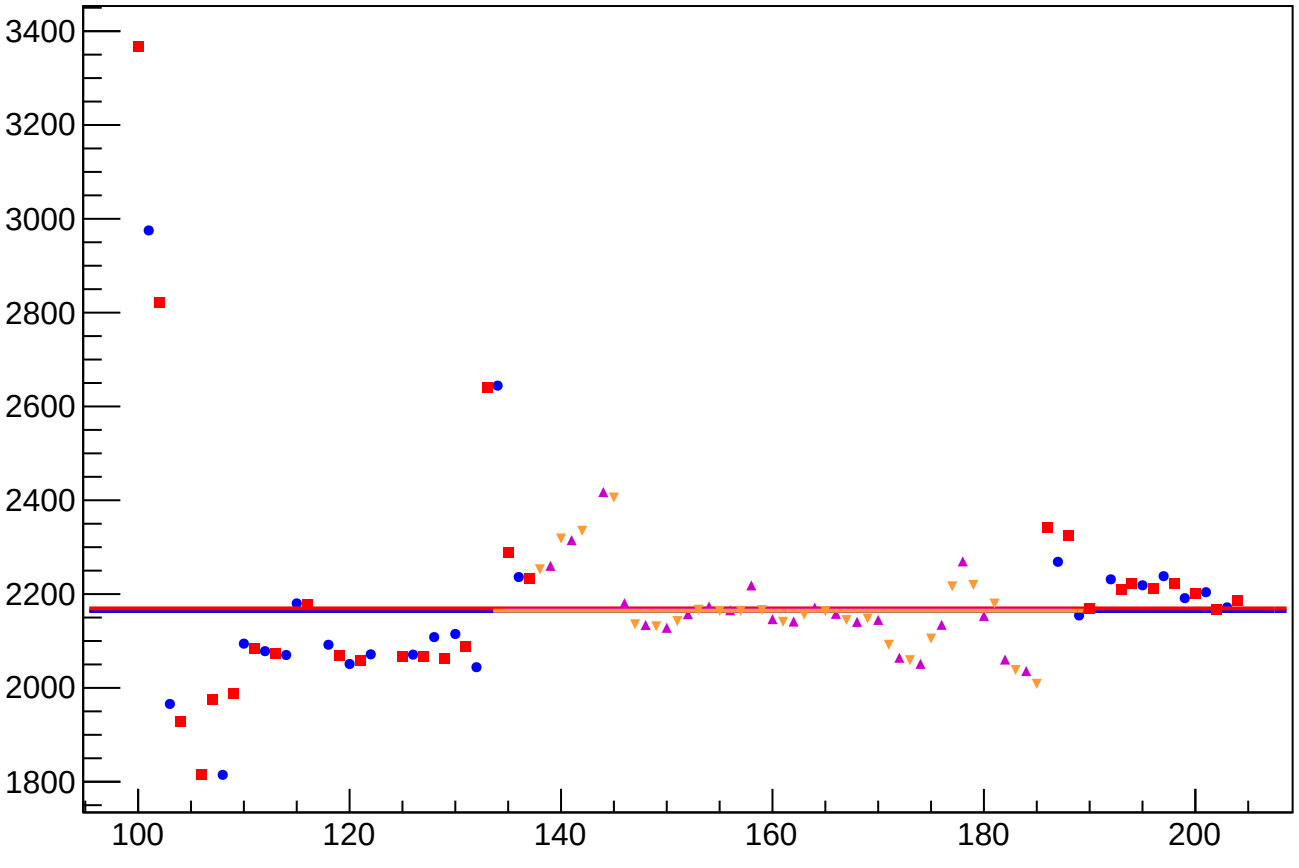
Right: 2593.527+/-0.378 χ^2/NDF: 8978733.9/51

In: 1518.682+/-0.207 χ^2/NDF:8925817.3/46

Out: 1513.744+/-0.202 χ^2/NDF:10718049.6/51

All: 1516.158+/-0.145 χ^2/NDF: 19644158.2/9


eigen_dit_asym_us_dd_at2lr_dd_avg_mean vs Slug, Sign Corrected
10000
5000
0
−5000
−10000
−15000
100
120
140
160
180
200
Right In: -1148.395+/-597.407 χ²/NDF: 14.2/23
Left Out: -773.576+/-502.816 χ²/NDF:28.6/23
Right Out: 728.059+/-564.434 χ²/NDF: 22.5/27
Left In: -385.269+/-506.052 χ²/NDF:15.6/22
Left: -580.668+/-356.683 χ²/NDF: 44.5/46
Right: -156.958+/-410.277 χ²/NDF: 41.9/51
In: -704.083+/-386.137 χ²/NDF:30.8/46
Out: -109.168+/-375.447 χ²/NDF:55.0/51
All: -398.277+/-269.181 χ²/NDF: 87.0/98



Right In: 2163.998+/-0.422 χ^2/NDF: 185664.3/23

Left Out: 2164.532+/-0.356 χ^2/NDF:50676.3/23

Right Out: 2169.373+/-0.399 χ^2/NDF: 188625.8/27

Left In: 2165.643+/-0.358 χ^2/NDF:52124.4/22

Left: 2165.084+/-0.252 χ^2/NDF: 102805.6/46

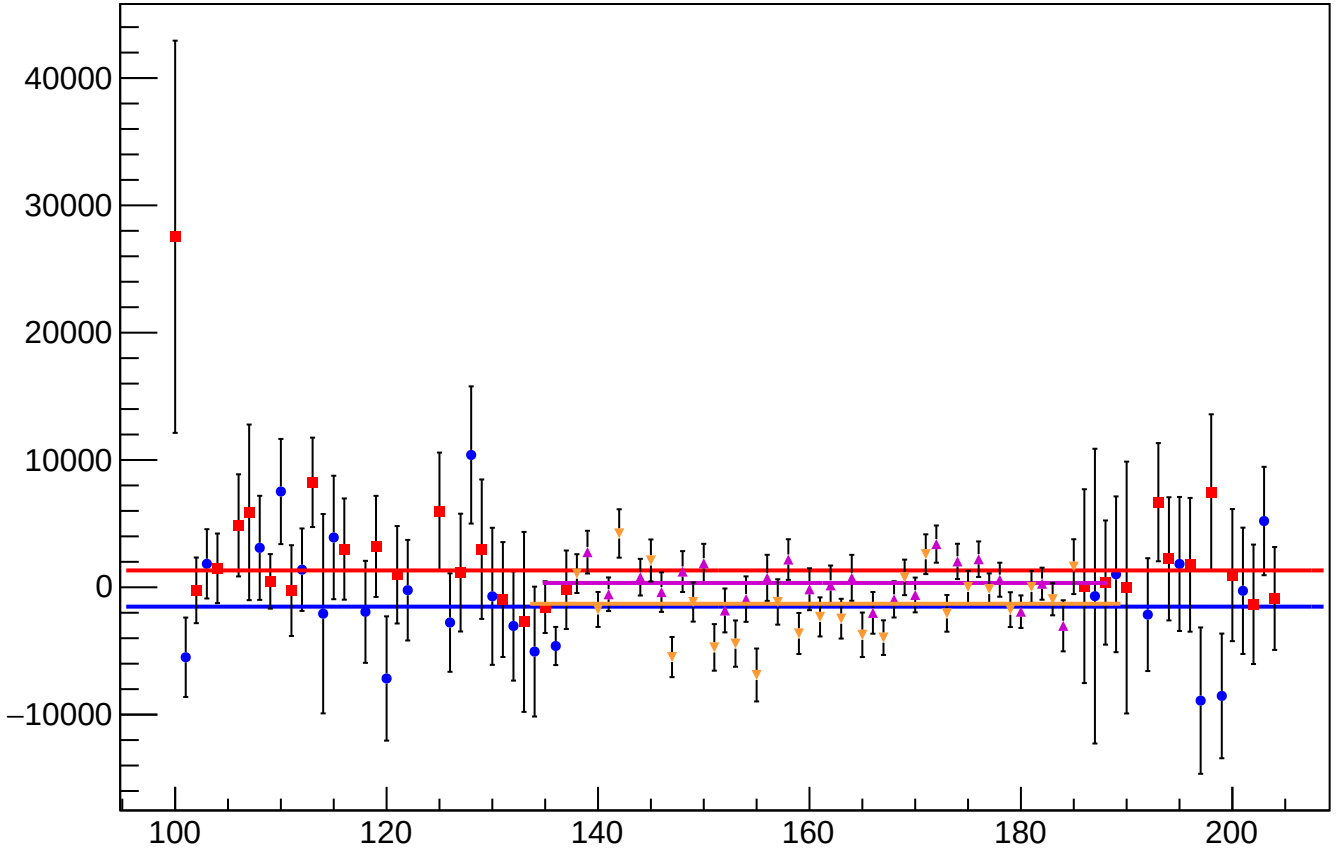
Right: 2166.838+/-0.290 χ^2/NDF: 374375.6/51

In: 2164.956+/-0.273 χ^2/NDF:237797.5/46

Out: 2166.674+/-0.265 χ^2/NDF:239384.2/51

All: 2165.839+/-0.190 χ^2/NDF: 477202.1/98

asym_us_dd_at2lr_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -1520.054+/-780.432 χ^2/NDF: 29.5/23

Left Out: -1293.717+/-310.622 χ^2/NDF:58.7/23

Right Out: 1324.470+/-734.503 χ^2/NDF: 16.2/27

Left In: 341.256+/-315.566 χ^2/NDF:24.8/22

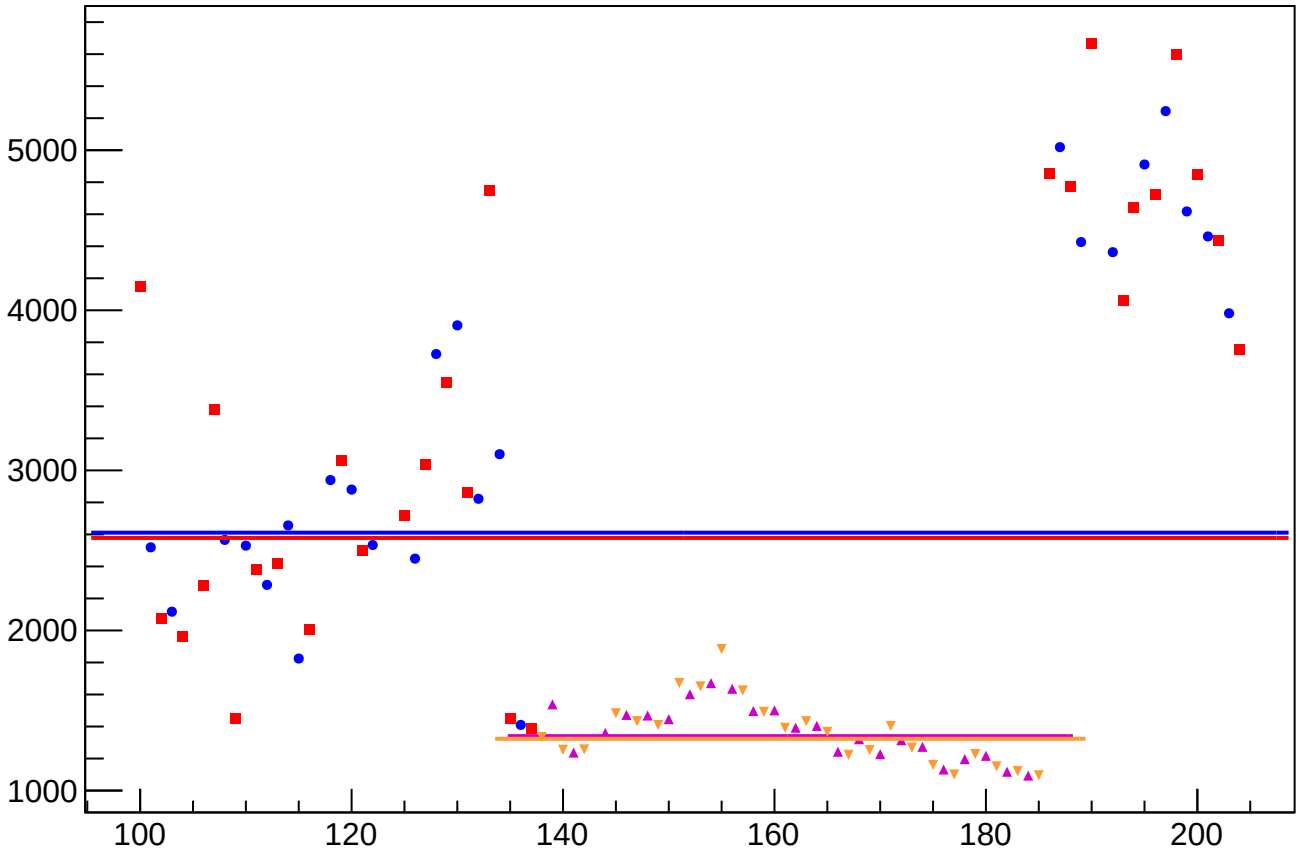
Left: -489.138+/-221.370 χ^2/NDF: 97.1/46

Right: -11.632+/-534.872 χ^2/NDF: 52.7/51

In: 79.701+/-292.555 χ^2/NDF:59.1/46

Out: -896.506+/-286.091 χ^2/NDF:85.6/51

All: -419.306+/-204.544 χ^2/NDF: 150.5/98



Right In: 2611.050+/-0.552 χ^2/NDF: 3872610.9/23

Left Out: 1323.402+/-0.220 χ^2/NDF:663857.6/23

Right Out: 2578.030+/-0.519 χ^2/NDF: 5104055.5/27

Left In: 1340.083+/-0.223 χ^2/NDF:494276.1/22

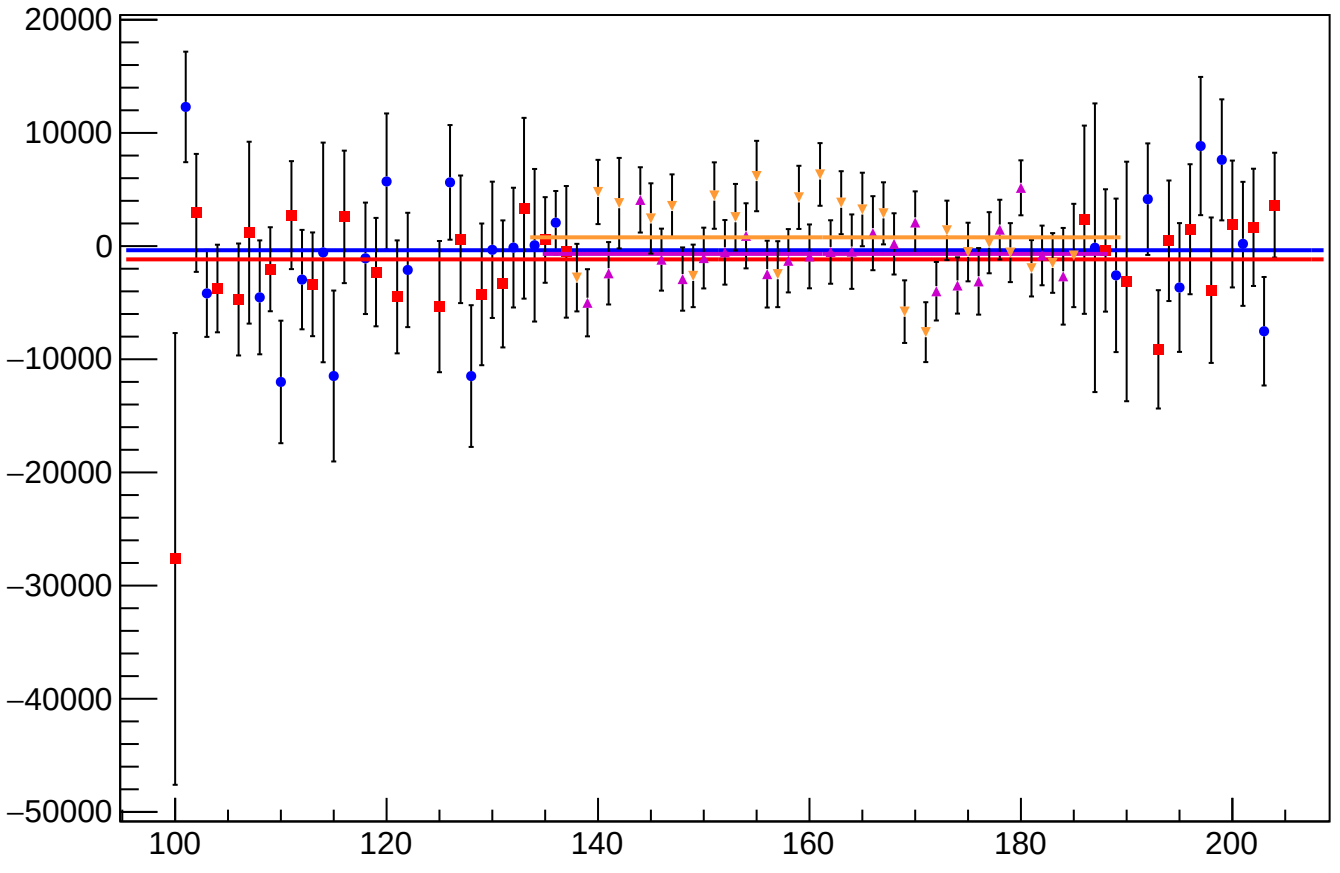
Left: 1331.611+/-0.157 χ^2/NDF: 1160972.0/46

Right: 2593.540+/-0.378 χ^2/NDF: 8978564.9/51

In: 1518.682+/-0.207 χ^2/NDF:8925819.3/46

Out: 1513.744+/-0.202 χ^2/NDF:10718040.4/51

All: 1516.158+/-0.145 χ^2/NDF: 19644150.8/9



Right In: -364.637+/-1061.729 χ^2/NDF: 30.0/23

Left Out: 774.788+/-583.692 χ^2/NDF:39.3/23

Right Out: -1173.129+/-1013.956 χ^2/NDF: 11.6/27

Left In: -689.981+/-587.431 χ^2/NDF:18.3/22

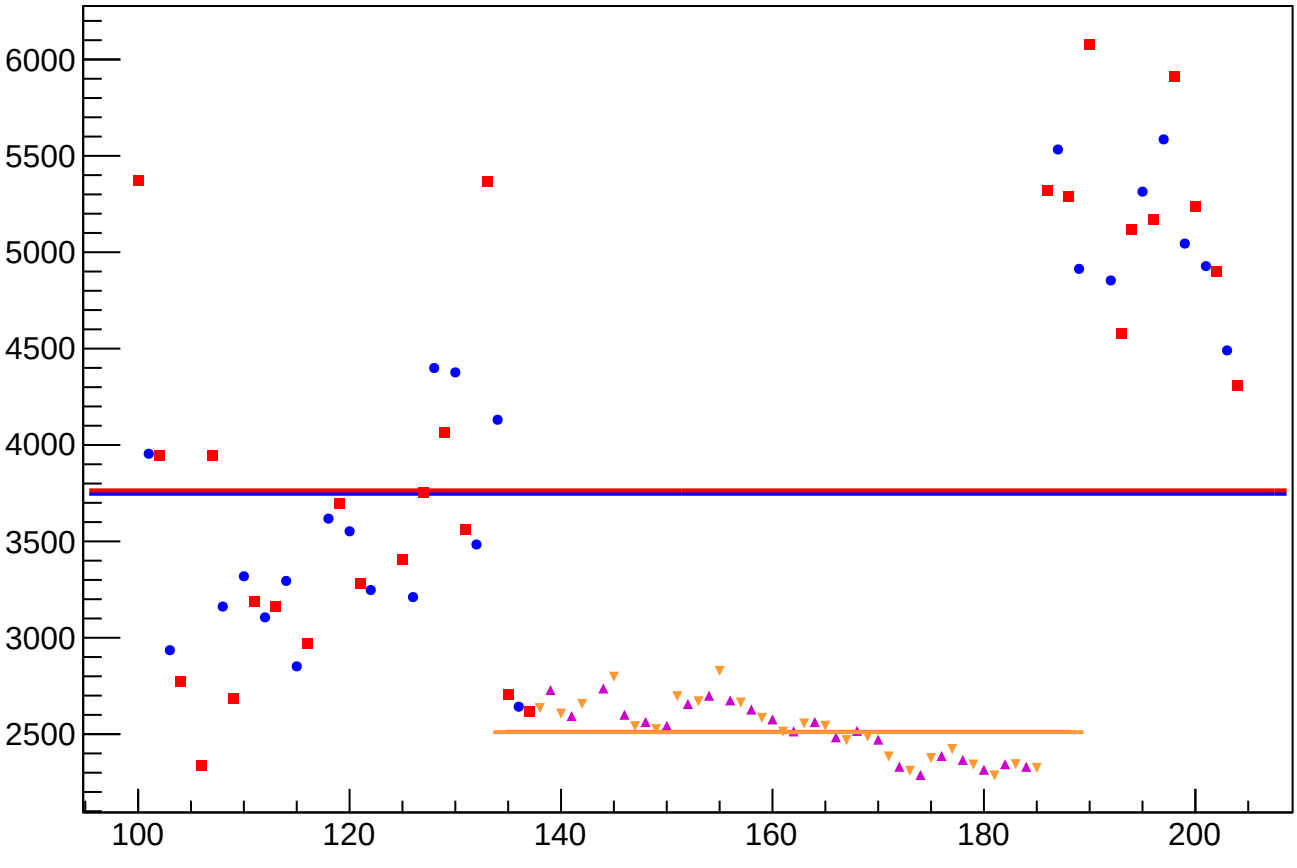
Left: 47.079+/-414.048 χ^2/NDF: 60.8/46

Right: -787.482+/-733.283 χ^2/NDF: 41.9/51

In: -613.730+/-514.003 χ^2/NDF:48.4/46

Out: 289.949+/-505.863 χ^2/NDF:53.7/51

All: -154.677+/-360.543 χ^2/NDF: 103.7/98



Right In: 3747.074+/-0.751 χ^2/NDF: 1409887.7/23

Left Out: 2510.069+/-0.413 χ^2/NDF:128632.5/23

Right Out: 3764.601+/-0.717 χ^2/NDF: 2039456.4/27

Left In: 2511.613+/-0.415 χ^2/NDF:113485.5/22

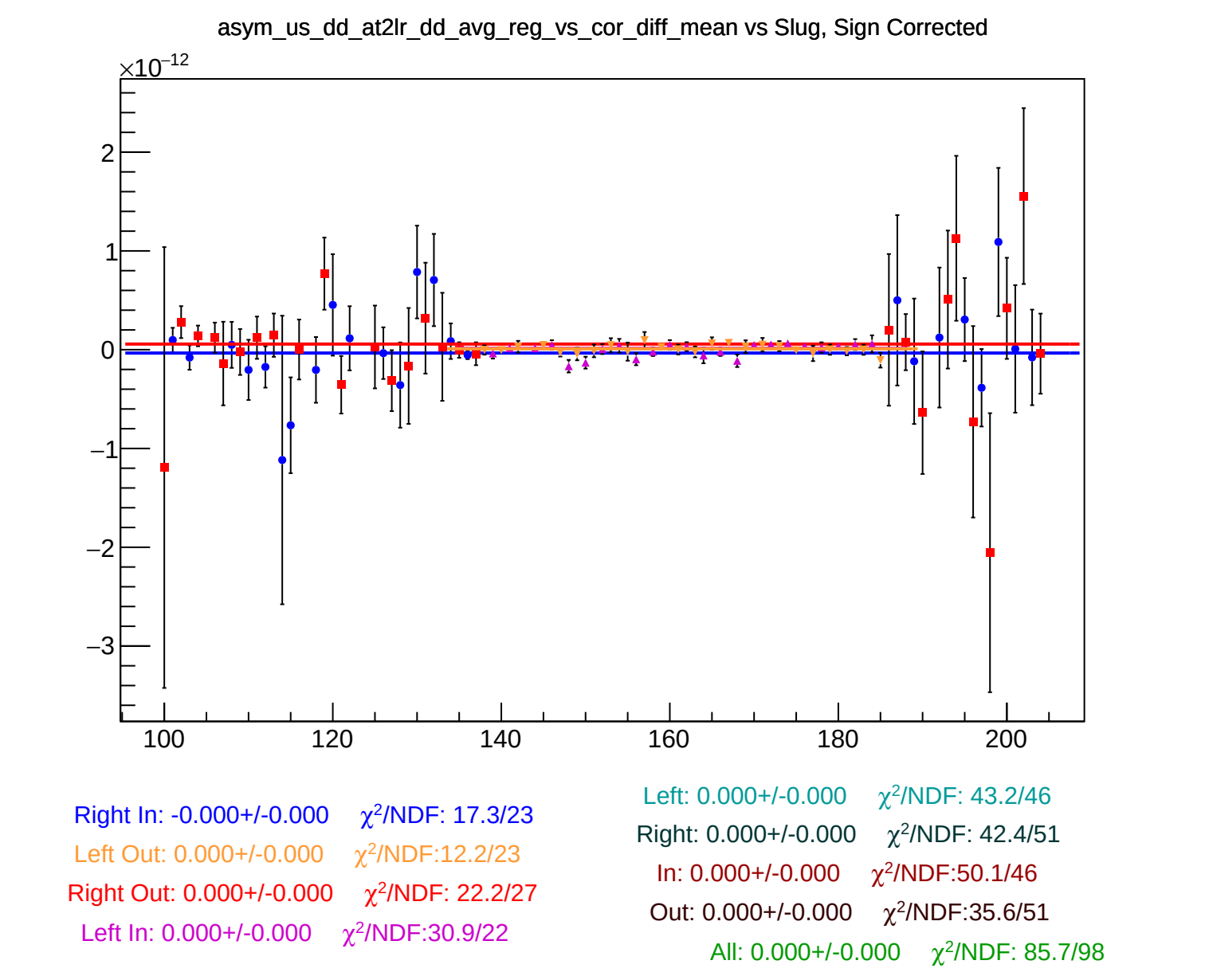
Left: 2510.836+/-0.293 χ^2/NDF: 242124.9/46

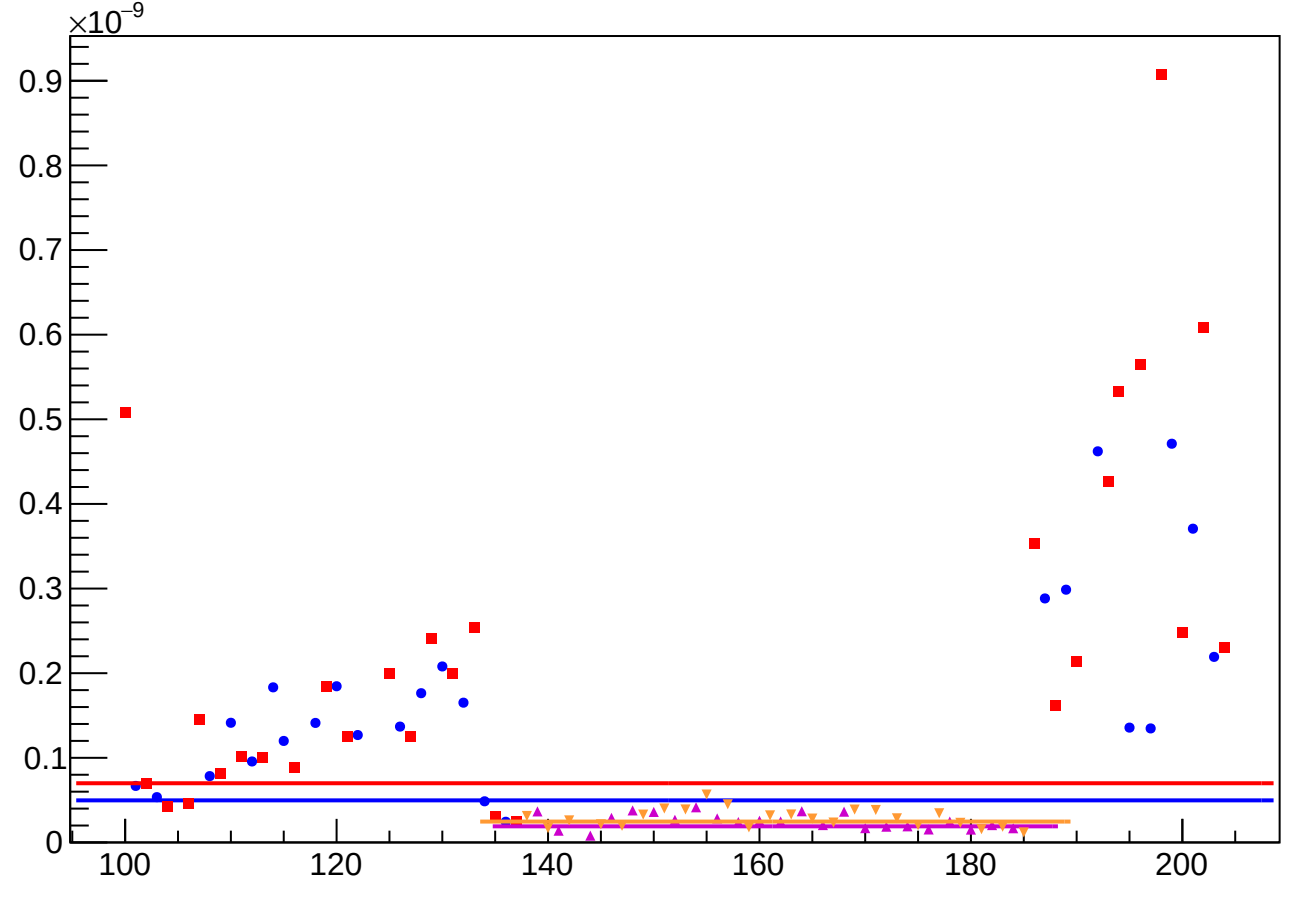
Right: 3756.241+/-0.519 χ^2/NDF: 3449629.1/51

In: 2801.169+/-0.363 χ^2/NDF:3596756.7/46

Out: 2822.328+/-0.358 χ^2/NDF:4467726.4/51

All: 2811.918+/-0.255 χ^2/NDF: 8066204.7/98


asym_us_dd_at2lr_dd_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
1
0
−1
−2
−3
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 17.3/23
Left Out: 0.000+/-0.000 χ²/NDF:12.2/23
Right Out: 0.000+/-0.000 χ²/NDF: 22.2/27
Left In: 0.000+/-0.000 χ²/NDF:30.9/22
Left: 0.000+/-0.000 χ²/NDF: 43.2/46
Right: 0.000+/-0.000 χ²/NDF: 42.4/51
In: 0.000+/-0.000 χ²/NDF:50.1/46
Out: 0.000+/-0.000 χ²/NDF:35.6/51
All: 0.000+/-0.000 χ²/NDF: 85.7/98



Right In: 0.000+/-0.000 χ^2/NDF: 4974293.1/23

Left Out: 0.000+/-0.000 χ^2/NDF:1413212.9/23

Right Out: 0.000+/-0.000 χ^2/NDF: 6487613.3/27

Left In: 0.000+/-0.000 χ^2/NDF:2190334.0/22

Left: 0.000+/-0.000 χ^2/NDF: 3972817.3/46

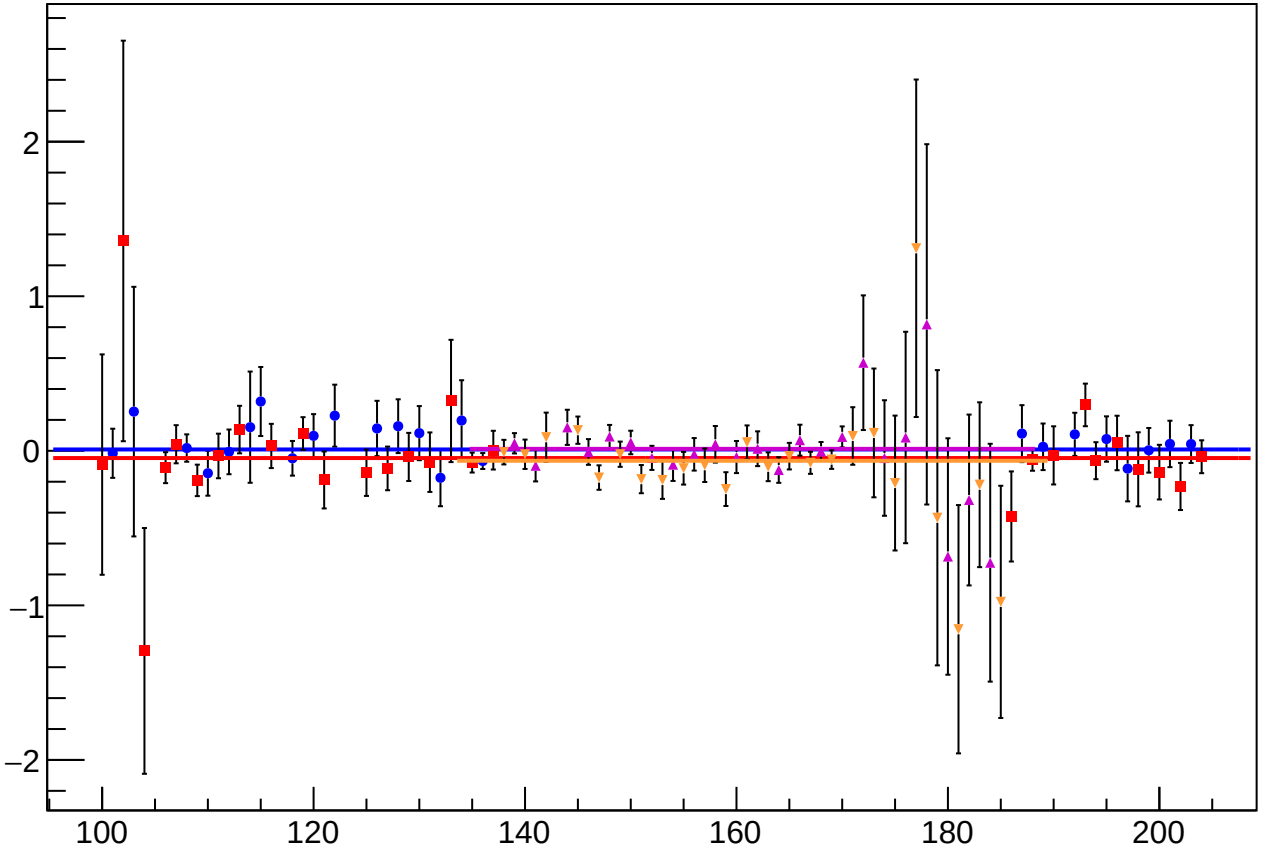
Right: 0.000+/-0.000 χ^2/NDF: 11742601.5/51

In: 0.000+/-0.000 χ^2/NDF:8711668.2/46

Out: 0.000+/-0.000 χ^2/NDF:10094864.2/51

All: 0.000+/-0.000 χ^2/NDF: 19282095.8/98

asym_us_dd_at2lr_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.028 χ^2/NDF: 12.0/23

Left Out: -0.064+/-0.022 χ^2/NDF:22.3/23

Right Out: -0.047+/-0.025 χ^2/NDF: 23.1/27

Left In: 0.013+/-0.021 χ^2/NDF:15.0/22

Left: -0.024+/-0.015 χ^2/NDF: 43.7/46

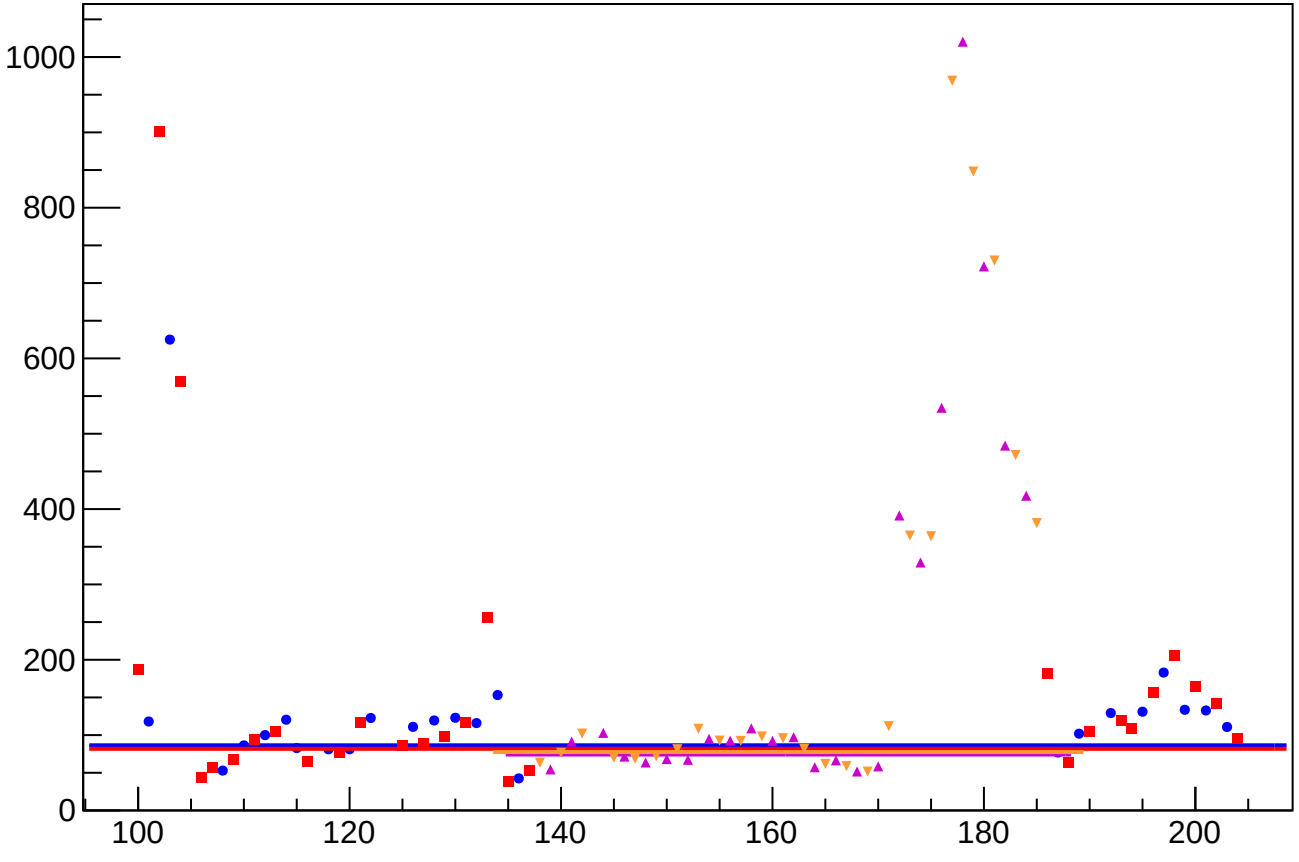
Right: -0.022+/-0.019 χ^2/NDF: 37.3/51

In: 0.011+/-0.017 χ^2/NDF:27.0/46

Out: -0.057+/-0.017 χ^2/NDF:45.7/51

All: -0.023+/-0.012 χ^2/NDF: 81.1/98

asym_us_dd_at2lr_dd_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 86.476+/-0.019 χ^2/NDF: 4487657.9/23

Left Out: 77.533+/-0.016 χ^2/NDF:8331194.0/23

Right Out: 81.833+/-0.018 χ^2/NDF: 5989783.2/27

Left In: 74.216+/-0.015 χ^2/NDF:8514080.5/22

Left: 75.800+/-0.011 χ^2/NDF: 16868814.0/46

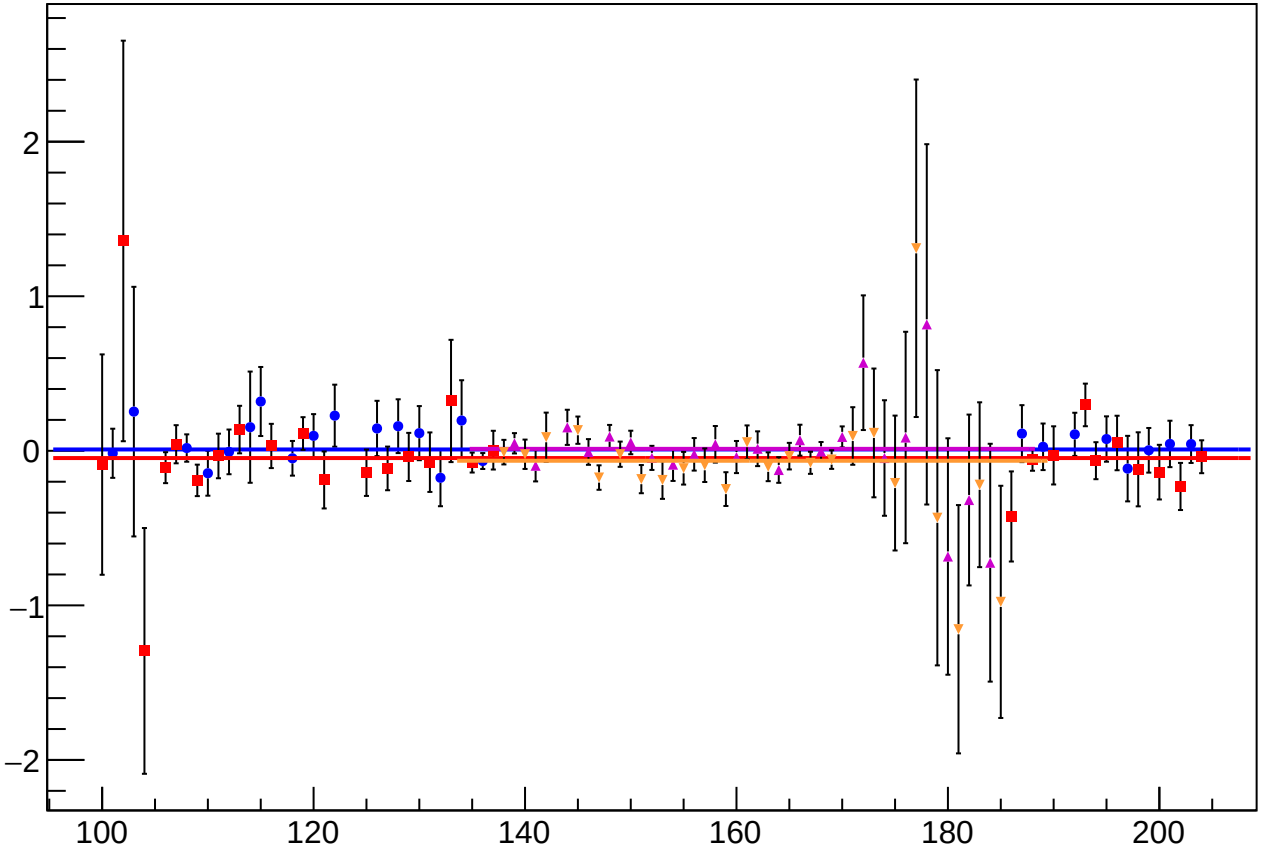
Right: 83.950+/-0.013 χ^2/NDF: 10508301.9/51

In: 78.751+/-0.012 χ^2/NDF:13250932.0/46

Out: 79.400+/-0.012 χ^2/NDF:14353832.5/51

All: 79.078+/-0.008 χ^2/NDF: 27606273.6/98

asym_us_dd_at2lr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.028 χ^2/NDF: 12.0/23

Left Out: -0.064+/-0.022 χ^2/NDF:22.3/23

Right Out: -0.047+/-0.025 χ^2/NDF: 23.1/27

Left In: 0.013+/-0.021 χ^2/NDF:15.0/22

Left: -0.024+/-0.015 χ^2/NDF: 43.7/46

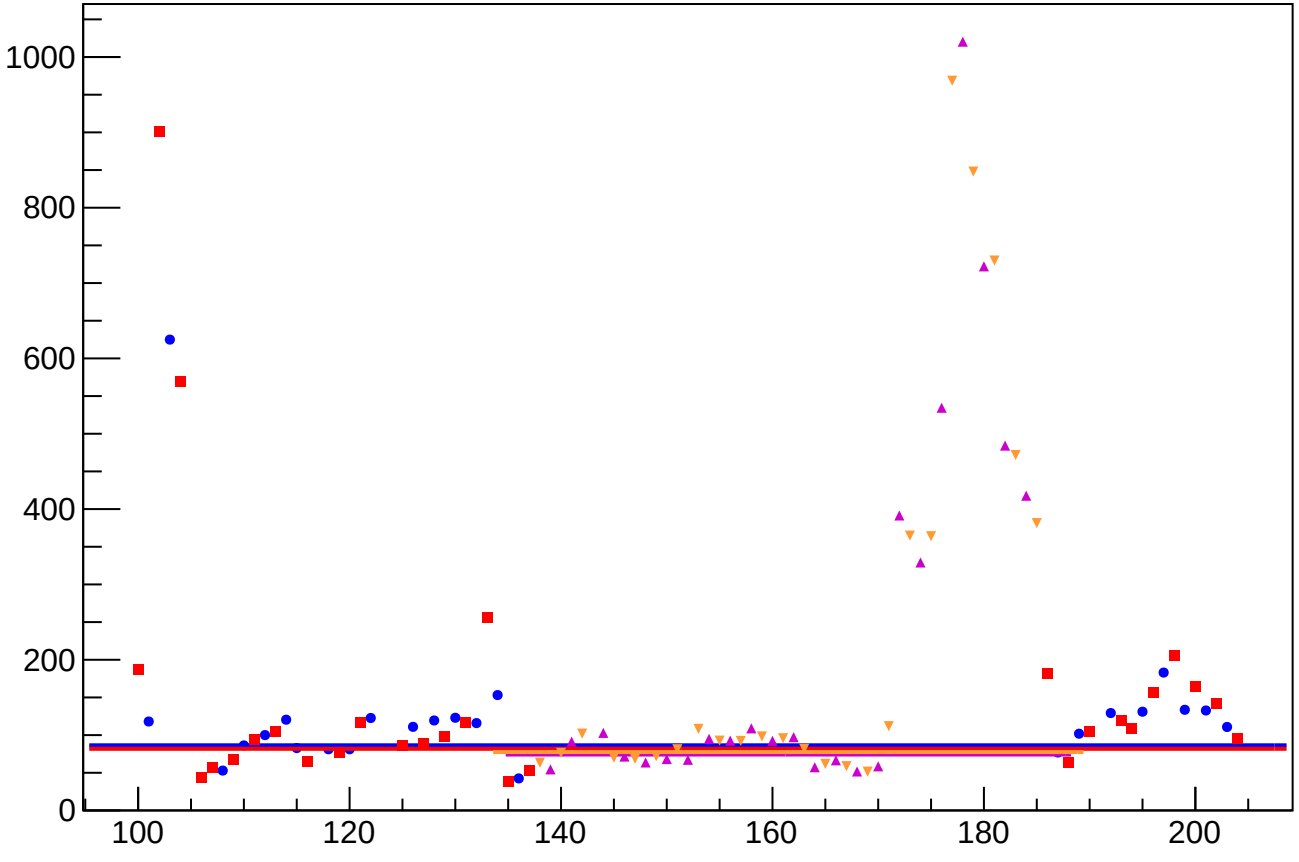
Right: -0.022+/-0.019 χ^2/NDF: 37.3/51

In: 0.011+/-0.017 χ^2/NDF:27.0/46

Out: -0.057+/-0.017 χ^2/NDF:45.7/51

All: -0.023+/-0.012 χ^2/NDF: 81.1/98

asym_us_dd_at2lr_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 86.476+/-0.019 χ^2/NDF: 4487657.9/23

Left Out: 77.533+/-0.016 χ^2/NDF:8331194.0/23

Right Out: 81.833+/-0.018 χ^2/NDF: 5989783.2/27

Left In: 74.216+/-0.015 χ^2/NDF:8514080.5/22

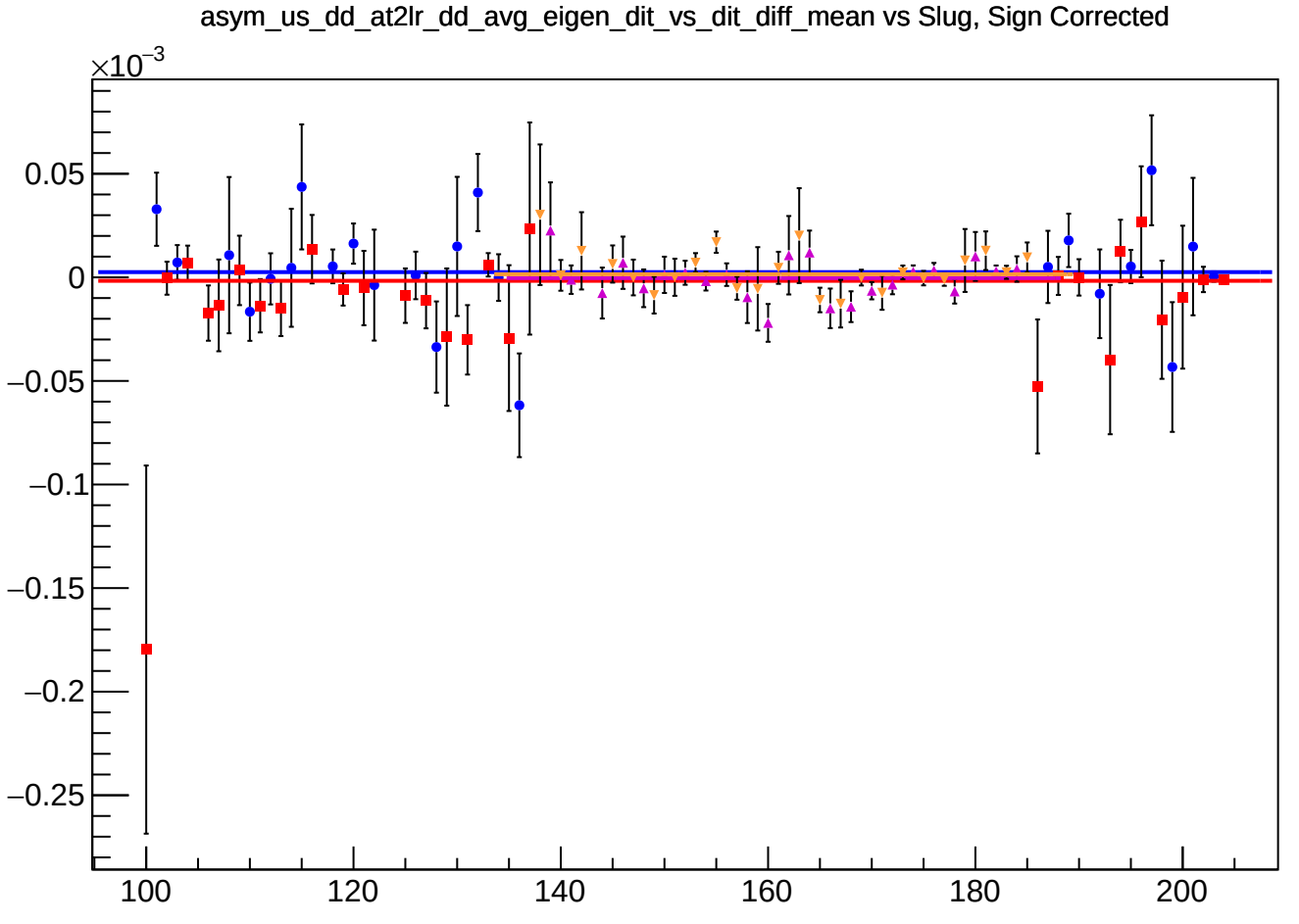
Left: 75.800+/-0.011 χ^2/NDF: 16868814.0/46

Right: 83.950+/-0.013 χ^2/NDF: 10508301.9/51

In: 78.751+/-0.012 χ^2/NDF:13250932.0/46

Out: 79.400+/-0.012 χ^2/NDF:14353832.5/51

All: 79.078+/-0.008 χ^2/NDF: 27606273.6/98



Right In: 0.000+/-0.000 χ^2/NDF: 31.3/23

Left Out: 0.000+/-0.000 χ^2/NDF:27.1/23

Right Out: -0.000+/-0.000 χ^2/NDF: 23.2/27

Left In: -0.000+/-0.000 χ^2/NDF:24.6/22

Left: 0.000+/-0.000 χ^2/NDF: 52.9/46

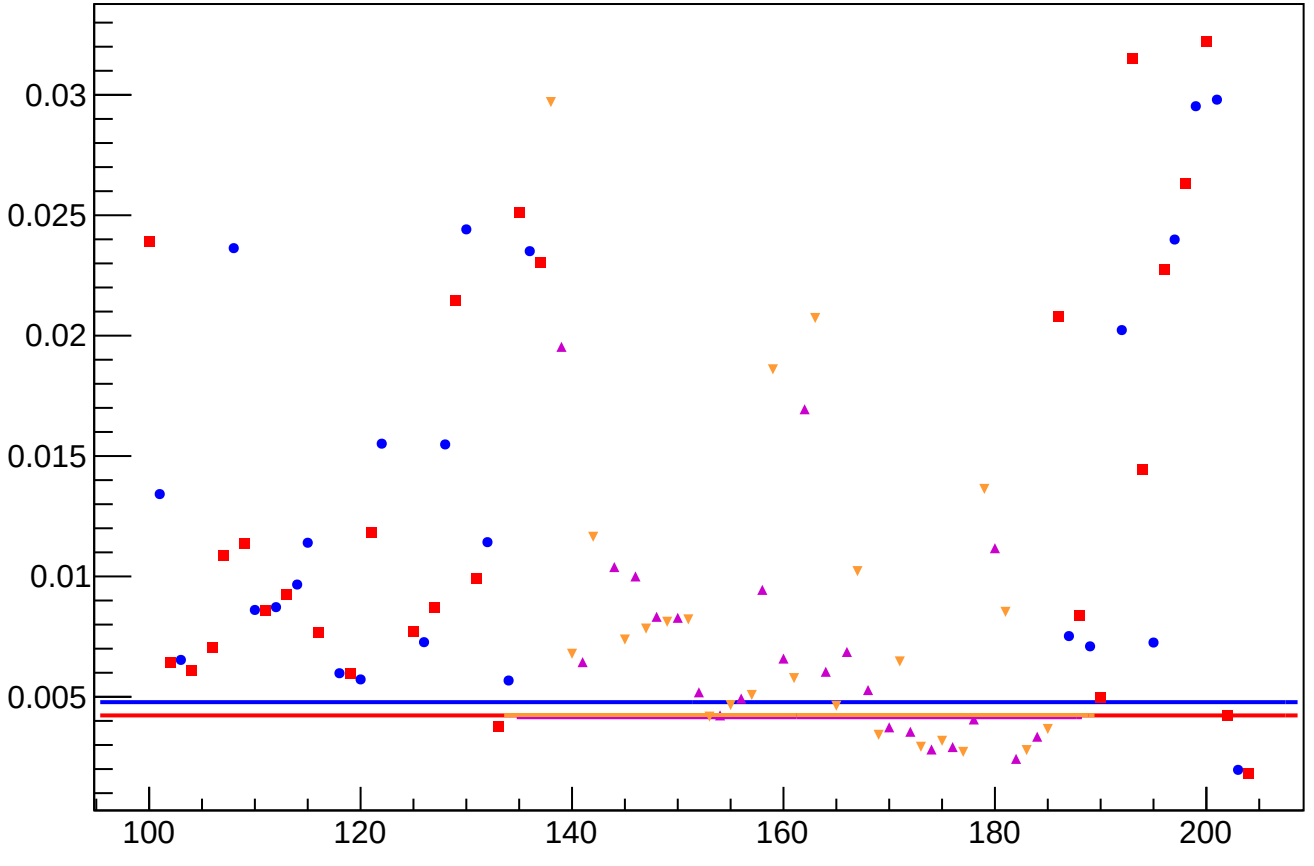
Right: 0.000+/-0.000 χ^2/NDF: 57.3/51

In: 0.000+/-0.000 χ^2/NDF:57.5/46

Out: 0.000+/-0.000 χ^2/NDF:53.0/51

All: 0.000+/-0.000 χ^2/NDF: 110.5/98

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 11922473.9/23

Left Out: 0.004+/-0.000 χ^2/NDF:8650909.7/23

Right Out: 0.004+/-0.000 χ^2/NDF: 13284242.6/27

Left In: 0.004+/-0.000 χ^2/NDF:6886421.5/22

Left: 0.004+/-0.000 χ^2/NDF: 15543472.1/46

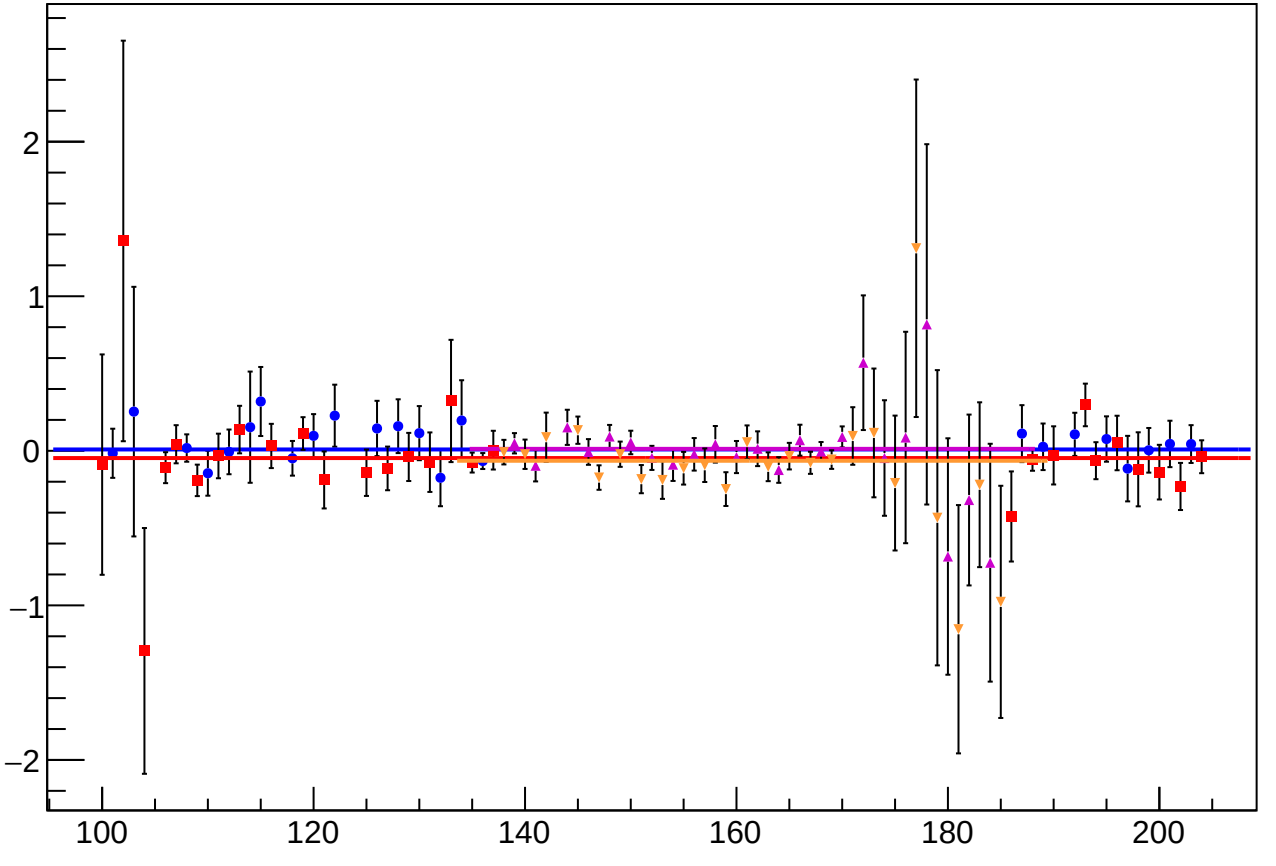
Right: 0.004+/-0.000 χ^2/NDF: 25306354.3/51

In: 0.004+/-0.000 χ^2/NDF:18963578.6/46

Out: 0.004+/-0.000 χ^2/NDF:21935303.1/51

All: 0.004+/-0.000 χ^2/NDF: 40907112.1/98

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.028 χ^2/NDF: 12.0/23

Left Out: -0.064+/-0.022 χ^2/NDF:22.3/23

Right Out: -0.047+/-0.025 χ^2/NDF: 23.1/27

Left In: 0.013+/-0.021 χ^2/NDF:15.0/22

Left: -0.024+/-0.015 χ^2/NDF: 43.7/46

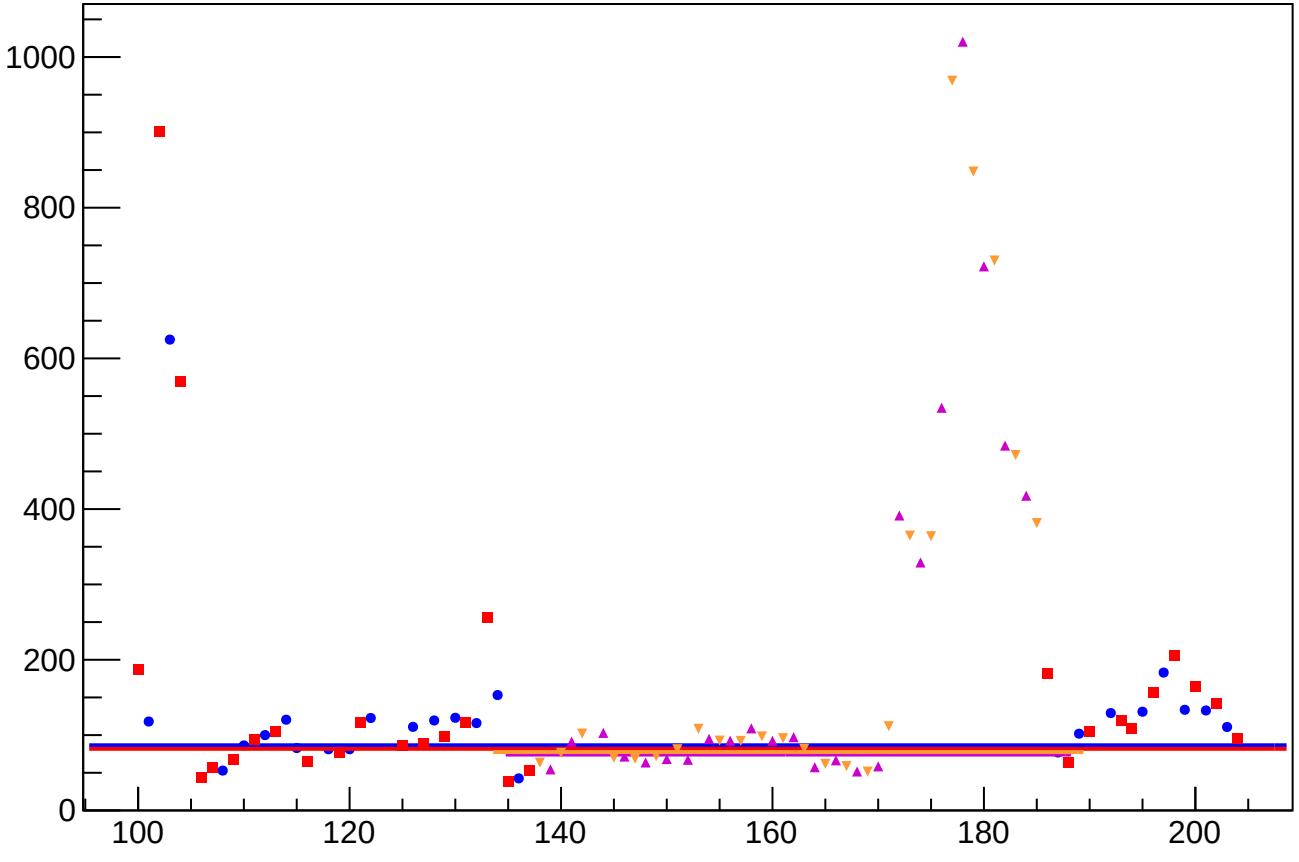
Right: -0.022+/-0.019 χ^2/NDF: 37.3/51

In: 0.011+/-0.017 χ^2/NDF:27.0/46

Out: -0.057+/-0.017 χ^2/NDF:45.7/51

All: -0.023+/-0.012 χ^2/NDF: 81.1/98

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 86.498+/-0.019 χ^2/NDF: 4483965.9/23

Left Out: 77.533+/-0.016 χ^2/NDF:8331106.7/23

Right Out: 81.825+/-0.018 χ^2/NDF: 5991427.6/27

Left In: 74.217+/-0.015 χ^2/NDF:8513791.3/22

Left: 75.800+/-0.011 χ^2/NDF: 16868415.3/46

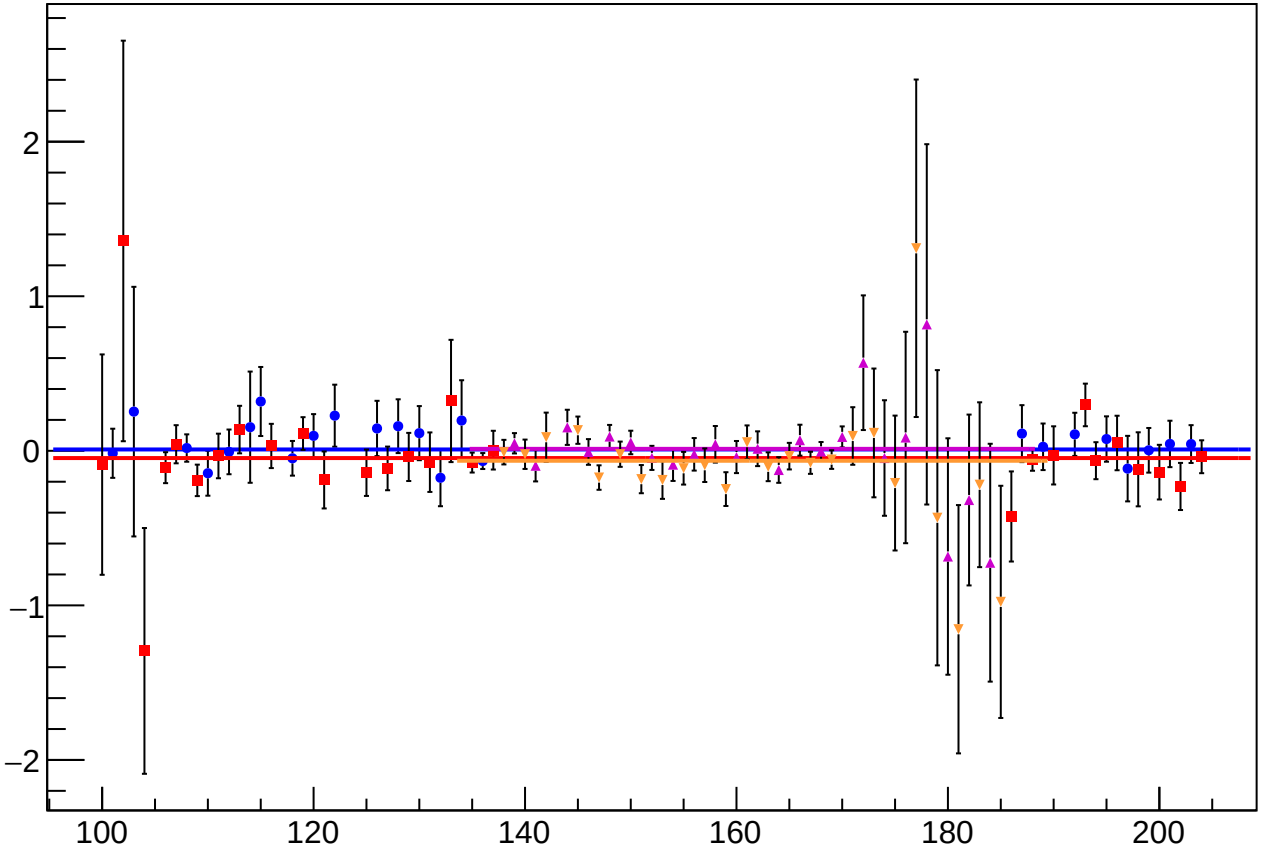
Right: 83.955+/-0.013 χ^2/NDF: 10506655.8/51

In: 78.759+/-0.012 χ^2/NDF:13247756.6/46

Out: 79.396+/-0.012 χ^2/NDF:14355272.0/51

All: 79.081+/-0.008 χ^2/NDF: 27604483.0/98

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.028 χ^2/NDF: 12.0/23

Left Out: -0.064+/-0.022 χ^2/NDF:22.3/23

Right Out: -0.047+/-0.025 χ^2/NDF: 23.1/27

Left In: 0.013+/-0.021 χ^2/NDF:15.0/22

Left: -0.024+/-0.015 χ^2/NDF: 43.7/46

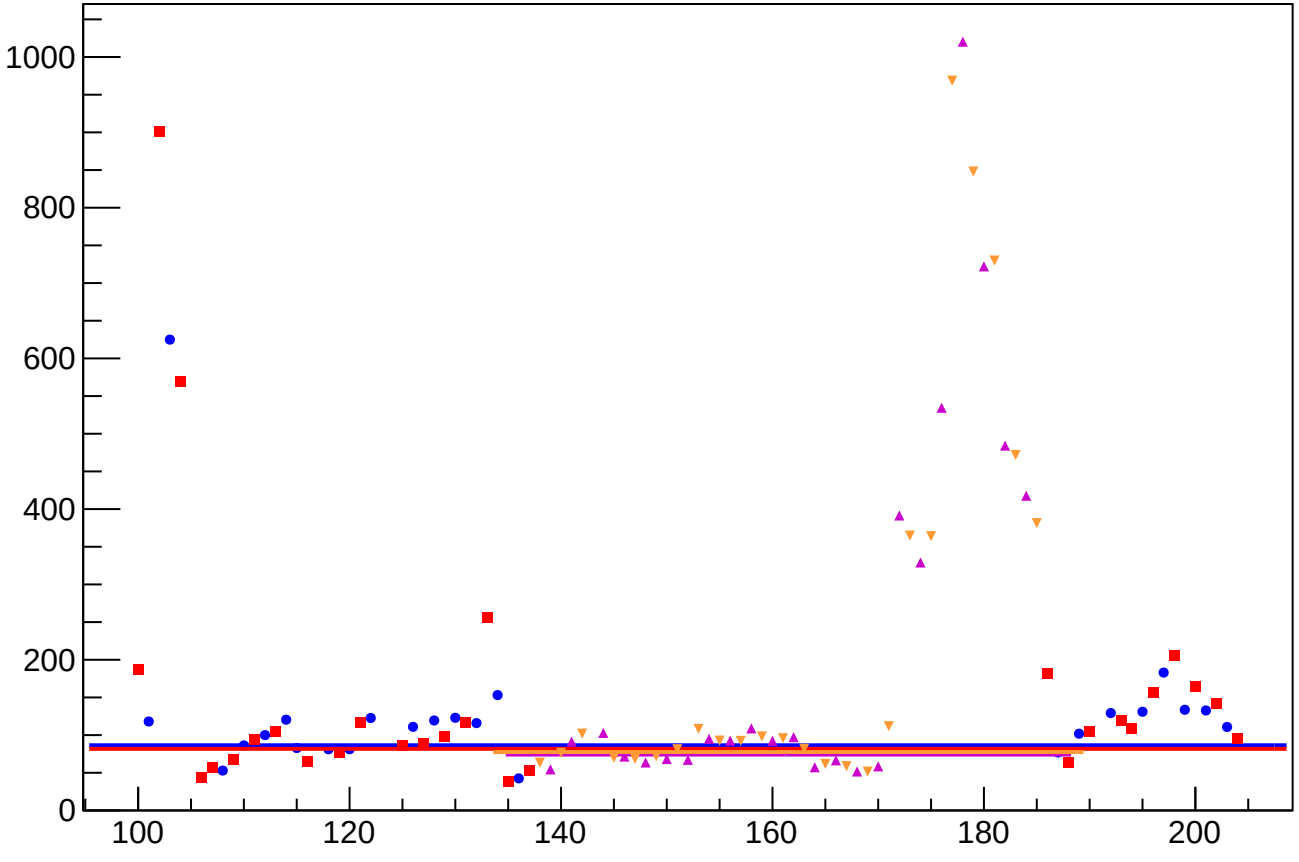
Right: -0.022+/-0.019 χ^2/NDF: 37.3/51

In: 0.011+/-0.017 χ^2/NDF:27.0/46

Out: -0.057+/-0.017 χ^2/NDF:45.7/51

All: -0.023+/-0.012 χ^2/NDF: 81.1/98

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 86.498+/-0.019 χ^2/NDF: 4483965.9/23

Left Out: 77.533+/-0.016 χ^2/NDF:8331106.7/23

Right Out: 81.825+/-0.018 χ^2/NDF: 5991427.6/27

Left In: 74.217+/-0.015 χ^2/NDF:8513791.3/22

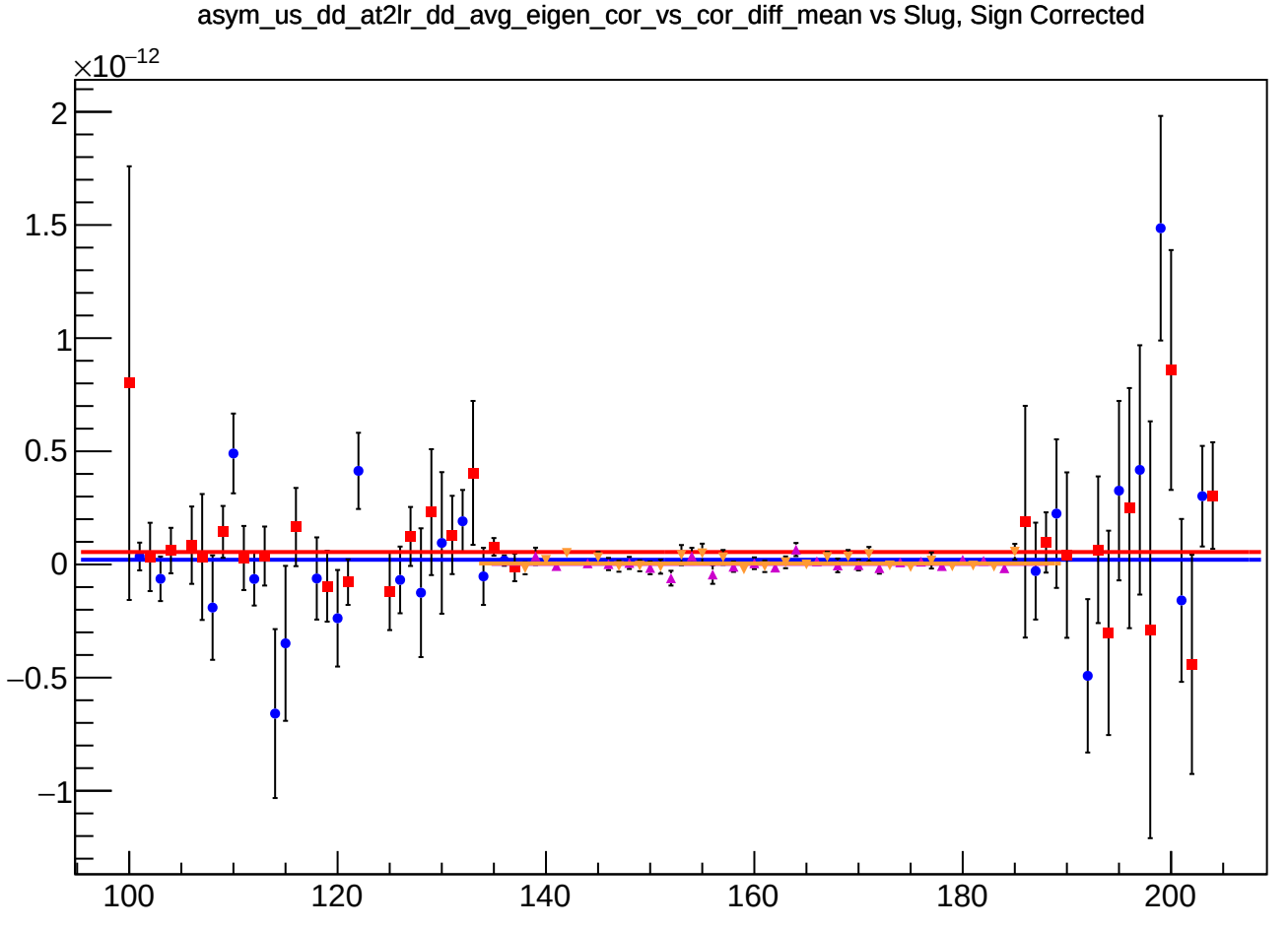
Left: 75.800+/-0.011 χ^2/NDF: 16868415.3/46

Right: 83.955+/-0.013 χ^2/NDF: 10506655.8/51

In: 78.759+/-0.012 χ^2/NDF:13247756.6/46

Out: 79.396+/-0.012 χ^2/NDF:14355272.0/51

All: 79.081+/-0.008 χ^2/NDF: 27604483.0/98



Right In: 0.000+/-0.000 χ^2/NDF: 37.8/23

Left Out: 0.000+/-0.000 χ^2/NDF:21.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 14.6/27

Left In: 0.000+/-0.000 χ^2/NDF:17.5/22

Left: 0.000+/-0.000 χ^2/NDF: 39.3/46

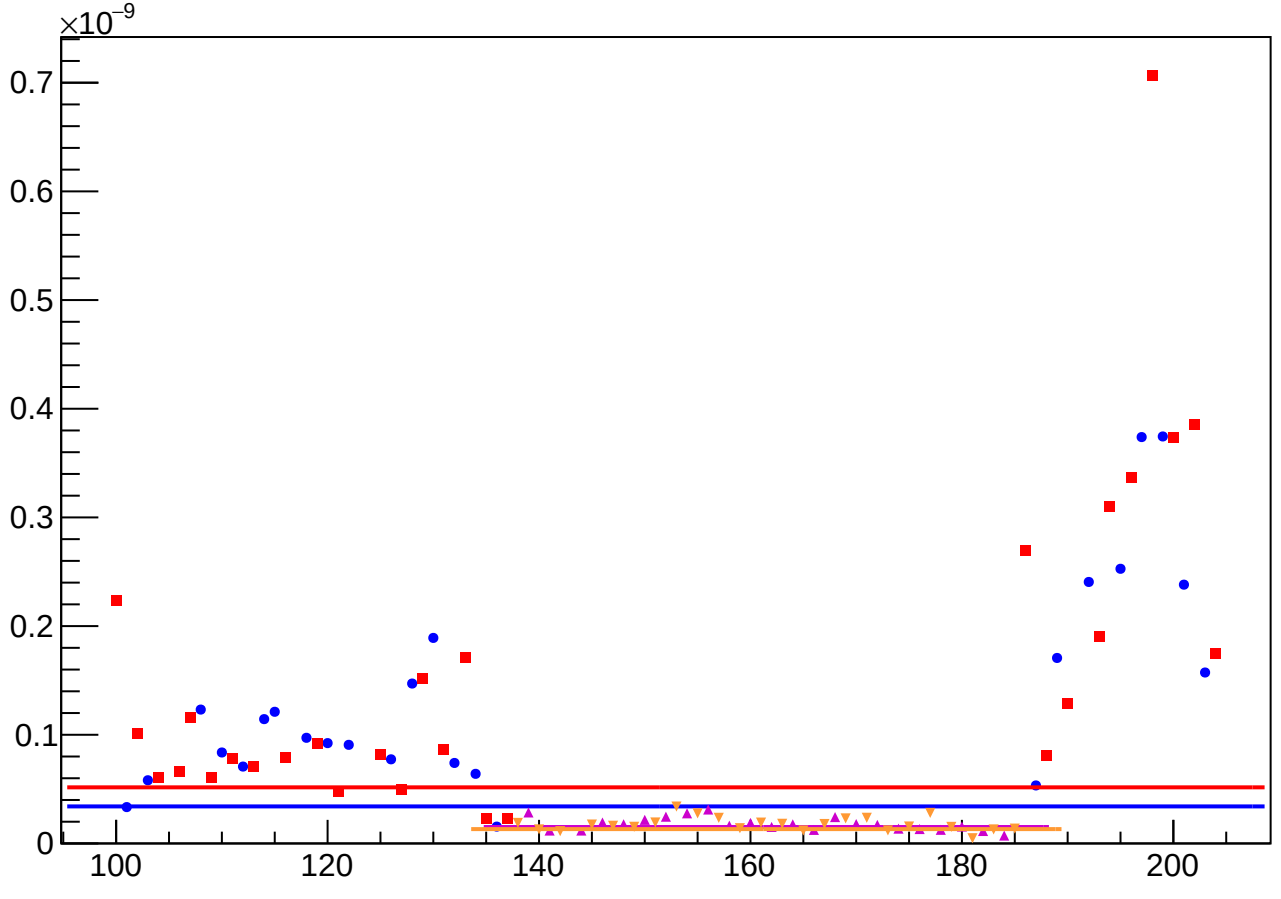
Right: 0.000+/-0.000 χ^2/NDF: 53.7/51

In: 0.000+/-0.000 χ^2/NDF:56.2/46

Out: 0.000+/-0.000 χ^2/NDF:40.6/51

All: 0.000+/-0.000 χ^2/NDF: 97.0/98

asym_us_dd_at2lr_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 8852170.9/23

Left Out: 0.000+/-0.000 χ^2/NDF:4237321.5/23

Right Out: 0.000+/-0.000 χ^2/NDF: 8348915.7/27

Left In: 0.000+/-0.000 χ^2/NDF:2148796.4/22

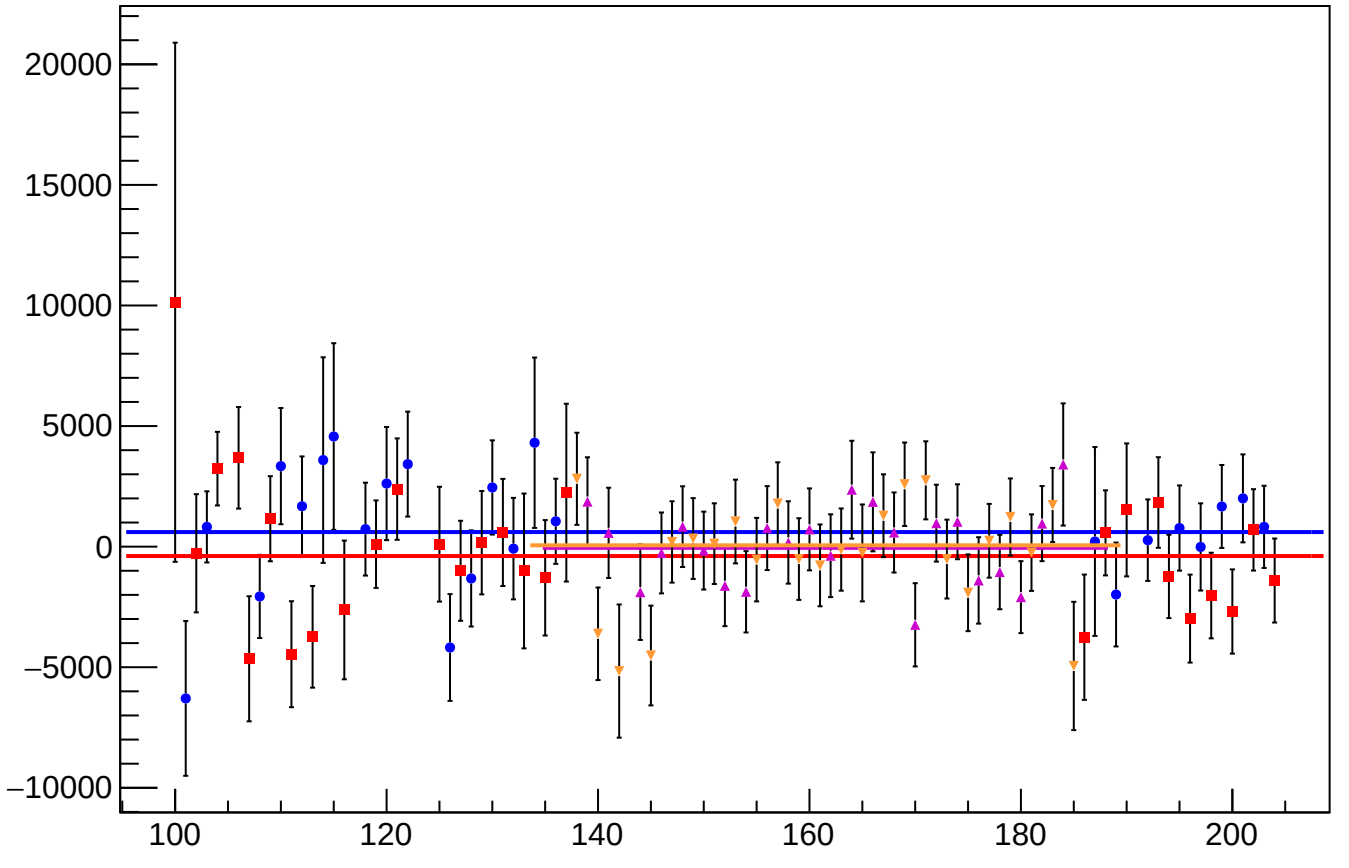
Left: 0.000+/-0.000 χ^2/NDF: 6568948.9/46

Right: 0.000+/-0.000 χ^2/NDF: 17857138.3/51

In: 0.000+/-0.000 χ^2/NDF:12870116.8/46

Out: 0.000+/-0.000 χ^2/NDF:17558154.9/51

All: 0.000+/-0.000 χ^2/NDF: 30590793.9/98



Right In: 604.673+/-420.008 χ^2/NDF: 22.9/23

Left Out: 54.770+/-356.375 χ^2/NDF:28.5/23

Right Out: -389.889+/-395.164 χ^2/NDF: 32.7/27

Left In: -48.177+/-359.531 χ^2/NDF:16.8/22

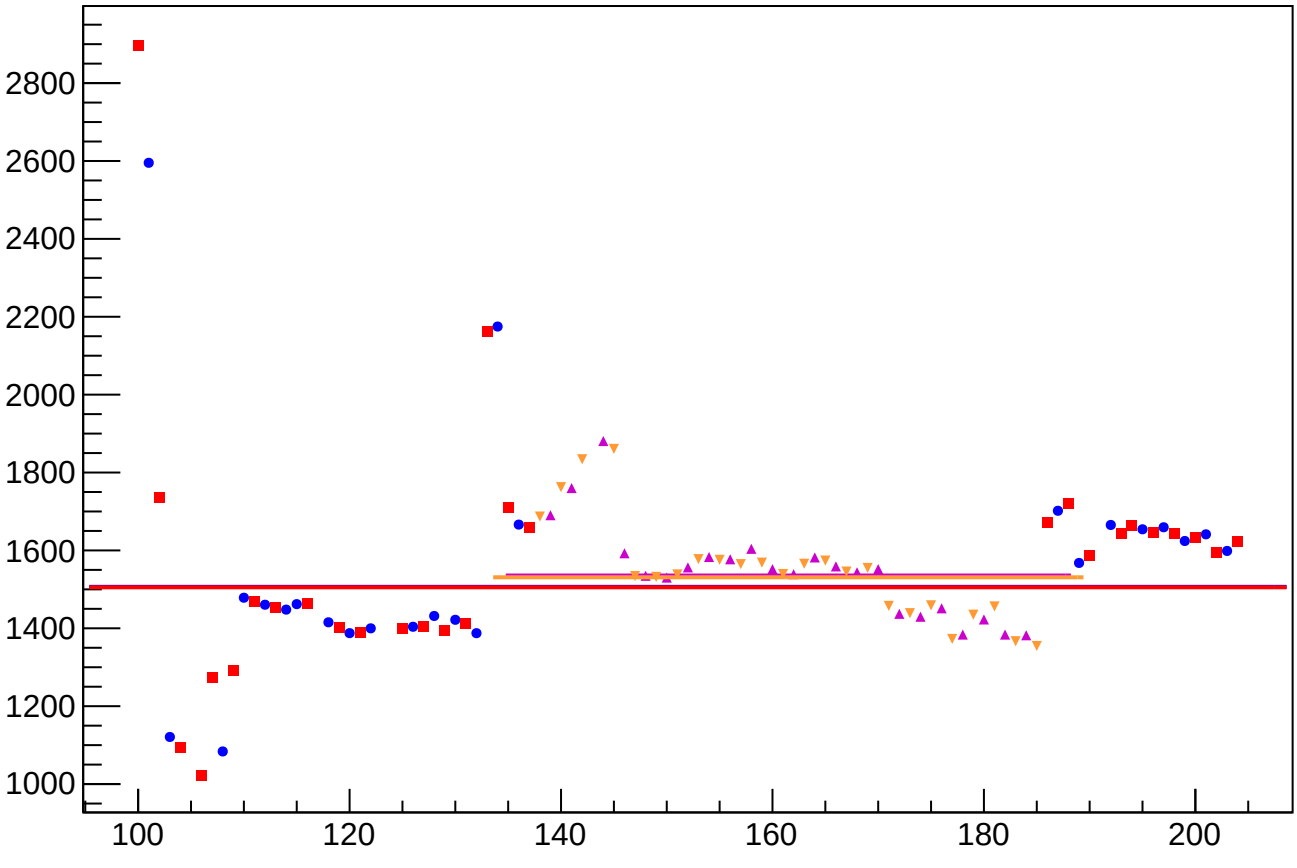
Left: 3.751+/-253.103 χ^2/NDF: 45.3/46

Right: 77.109+/-287.805 χ^2/NDF: 58.6/51

In: 227.902+/-273.129 χ^2/NDF:41.1/46

Out: -144.670+/-264.649 χ^2/NDF:61.9/51

All: 35.743+/-190.062 χ^2/NDF: 103.9/98



Right In: 1506.470+/-0.297 χ^2/NDF: 687357.9/23

Left Out: 1530.976+/-0.252 χ^2/NDF:203539.8/23

Right Out: 1505.277+/-0.279 χ^2/NDF: 598528.3/27

Left In: 1535.551+/-0.254 χ^2/NDF:192432.7/22

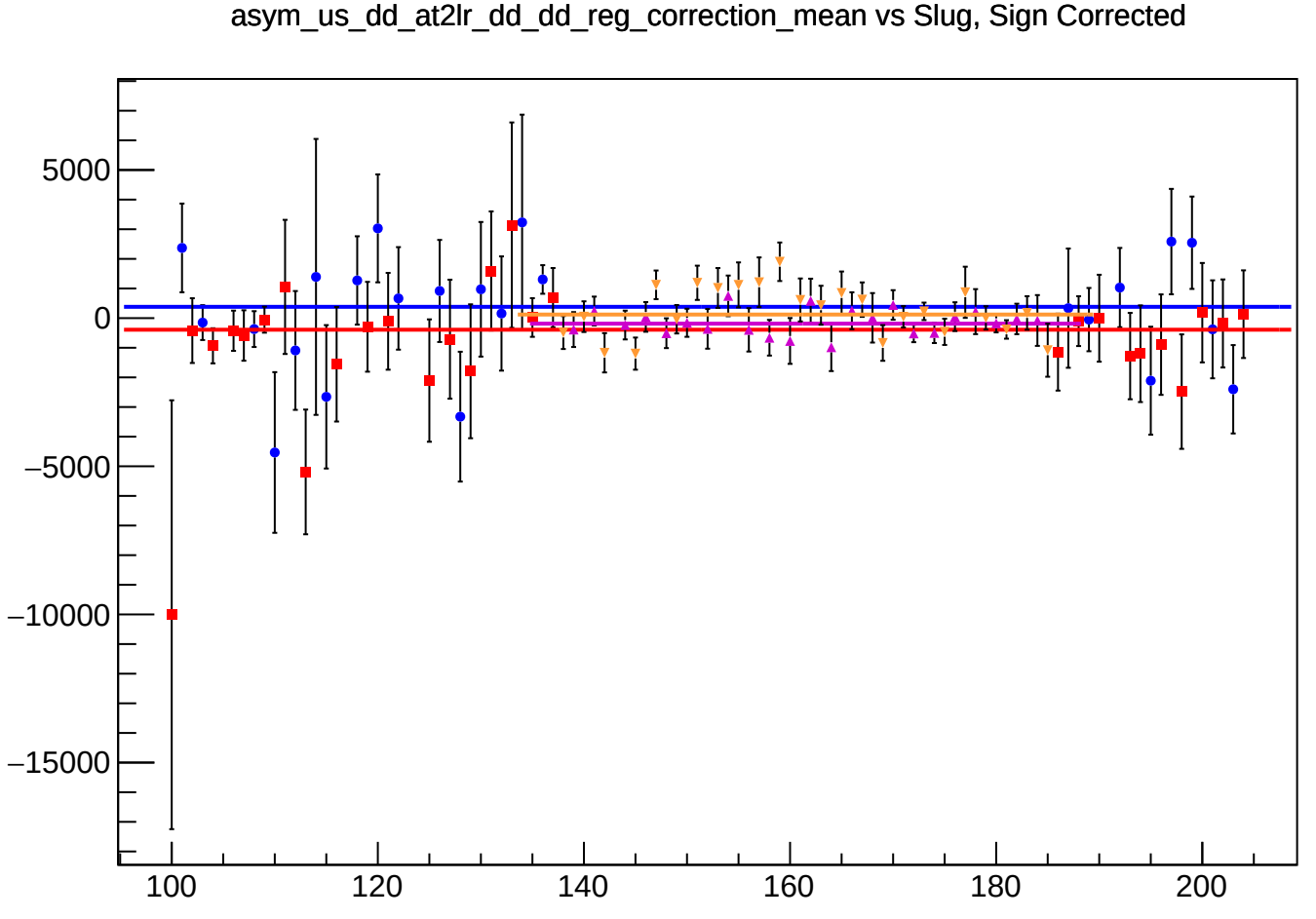
Left: 1533.243+/-0.179 χ^2/NDF: 396135.8/46

Right: 1505.837+/-0.204 χ^2/NDF: 1285894.7/51

In: 1523.253+/-0.193 χ^2/NDF:885324.1/46

Out: 1519.449+/-0.187 χ^2/NDF:806732.9/51

All: 1521.291+/-0.134 χ^2/NDF: 1692257.1/98



Right In: 381.652+/-244.974 χ^2/NDF: 28.8/23

Left Out: 121.327+/-105.060 χ^2/NDF:43.6/23

Right Out: -391.077+/-206.271 χ^2/NDF: 16.6/27

Left In: -186.828+/-106.975 χ^2/NDF:11.6/22

Left: -29.966+/-74.957 χ^2/NDF: 59.5/46

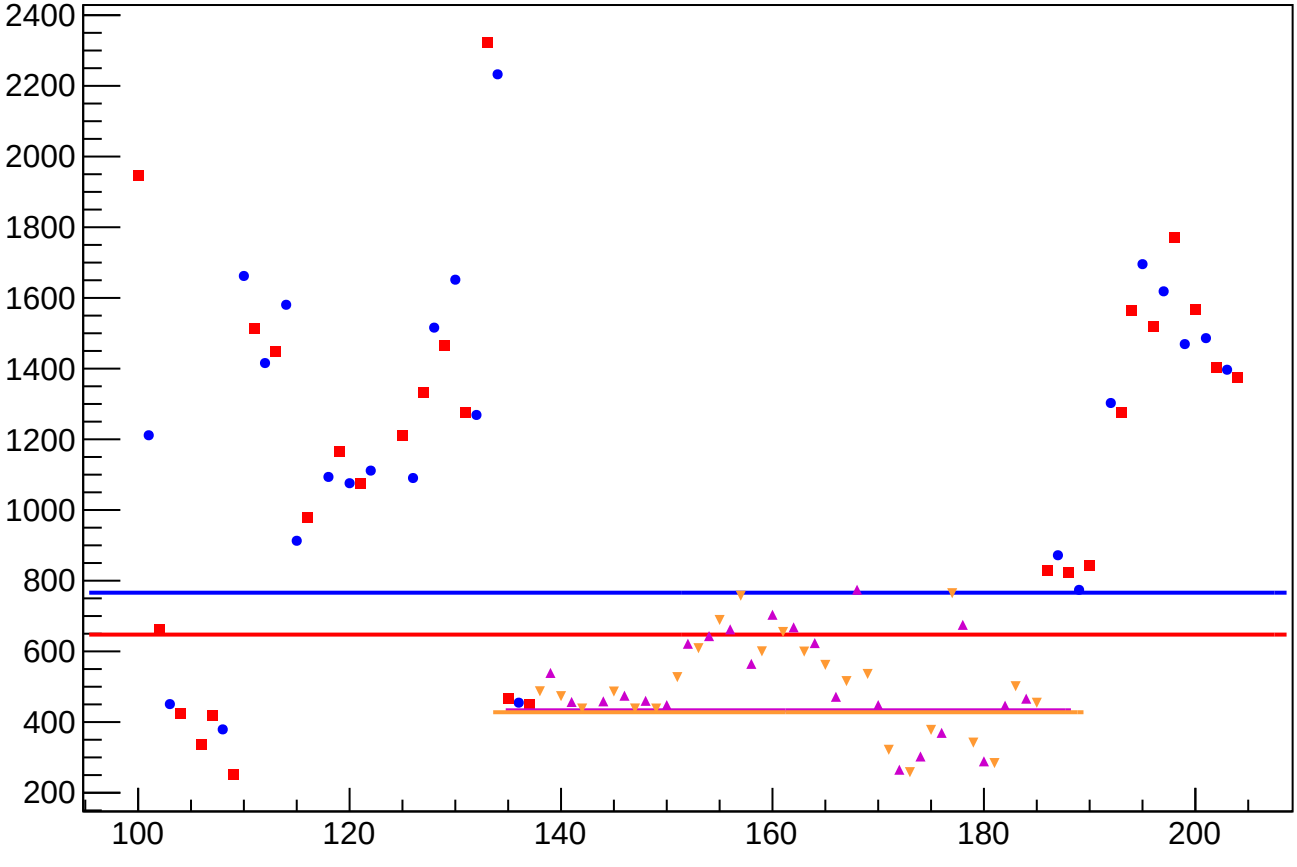
Right: -70.505+/-157.786 χ^2/NDF: 51.3/51

In: -95.785+/-98.036 χ^2/NDF:44.9/46

Out: 15.781+/-93.616 χ^2/NDF:65.2/51

All: -37.430+/-67.705 χ^2/NDF: 110.8/98

asym_us_dd_at2lr_dd_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 766.049+/-0.173 χ^2/NDF: 6655886.8/23

Left Out: 427.814+/-0.074 χ^2/NDF:3188159.5/23

Right Out: 647.492+/-0.146 χ^2/NDF: 9077611.8/27

Left In: 433.283+/-0.076 χ^2/NDF:3247998.9/22

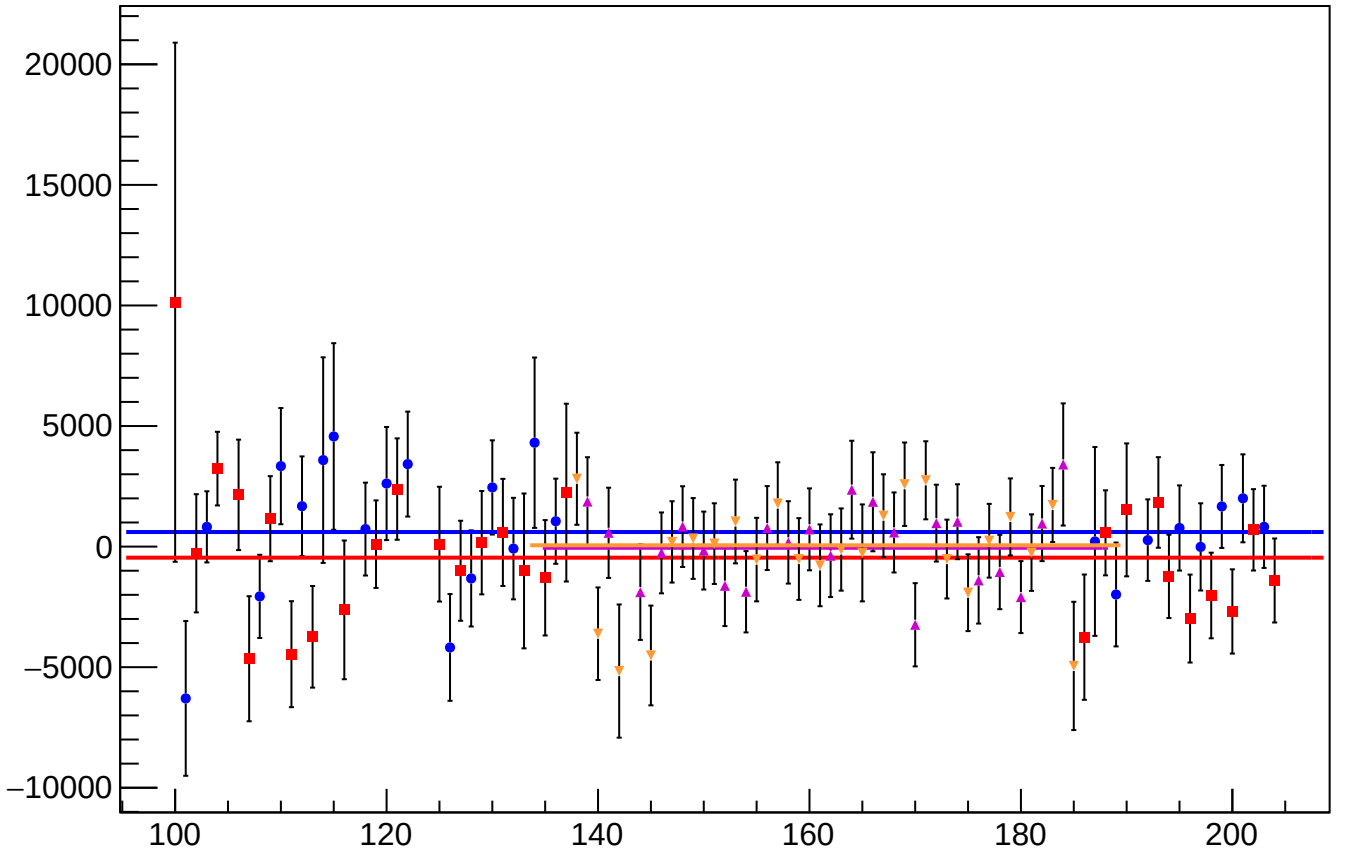
Left: 430.499+/-0.053 χ^2/NDF: 6438819.2/46

Right: 696.676+/-0.112 χ^2/NDF: 16007600.7/51

In: 486.576+/-0.069 χ^2/NDF:13003227.5/46

Out: 473.064+/-0.066 χ^2/NDF:14066944.9/51

All: 479.509+/-0.048 χ^2/NDF: 27090045.2/98



Right In: 604.685+/-420.008 χ^2/NDF: 22.9/23

Left Out: 54.734+/-356.375 χ^2/NDF:28.5/23

Right Out: -458.414+/-396.245 χ^2/NDF: 30.2/27

Left In: -48.256+/-359.531 χ^2/NDF:16.8/22

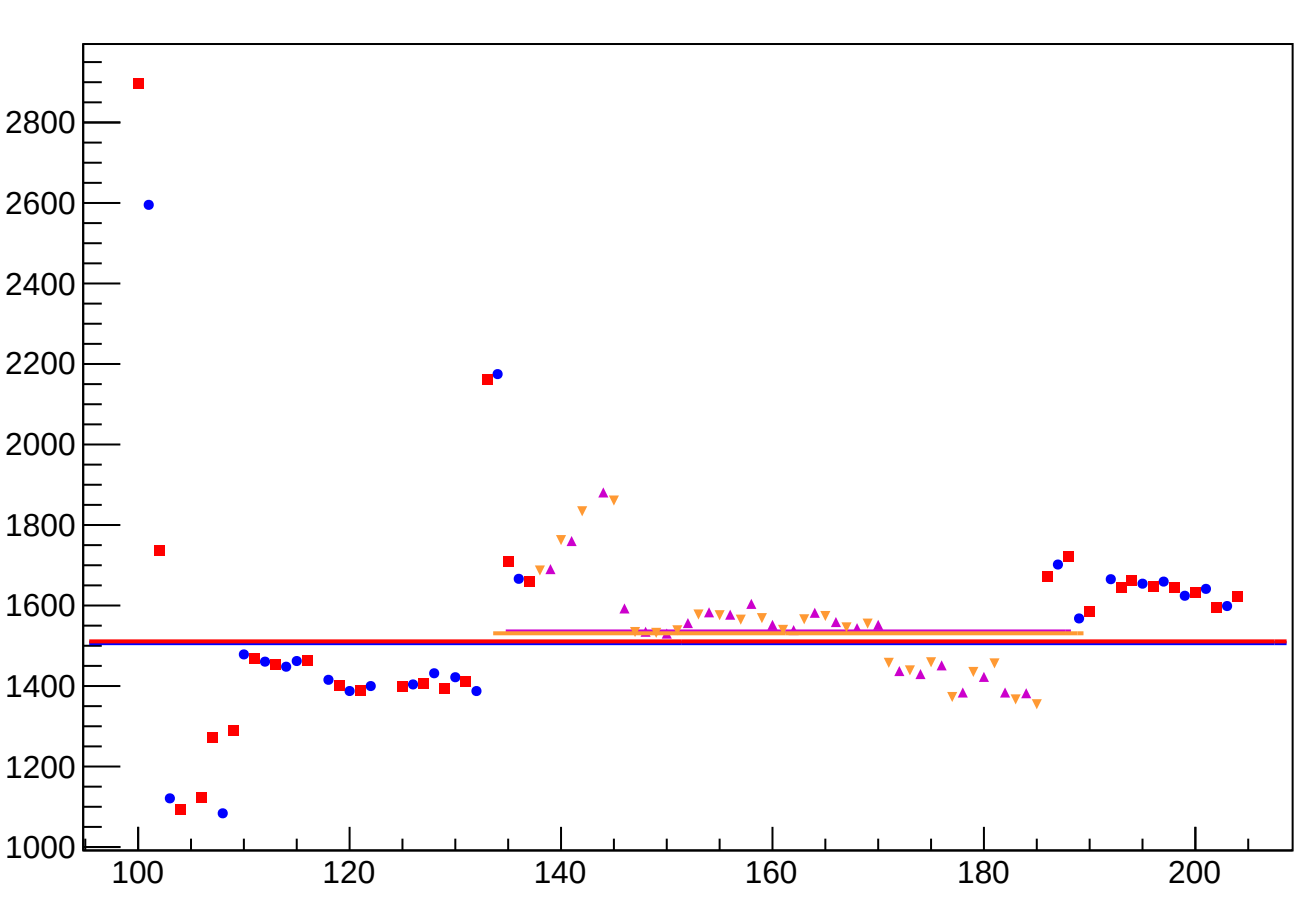
Left: 3.693+/-253.103 χ^2/NDF: 45.3/46

Right: 42.213+/-288.222 χ^2/NDF: 56.5/51

In: 227.862+/-273.129 χ^2/NDF:41.1/46

Out: -174.732+/-264.973 χ^2/NDF:59.6/51

All: 20.464+/-190.182 χ^2/NDF: 101.8/98



Right In: 1506.470+/-0.297 χ^2/NDF: 687358.2/23

Left Out: 1530.976+/-0.252 χ^2/NDF:203539.7/23

Right Out: 1510.890+/-0.280 χ^2/NDF: 549124.2/27

Left In: 1535.551+/-0.254 χ^2/NDF:192432.7/22

Left: 1533.243+/-0.179 χ^2/NDF: 396135.7/46

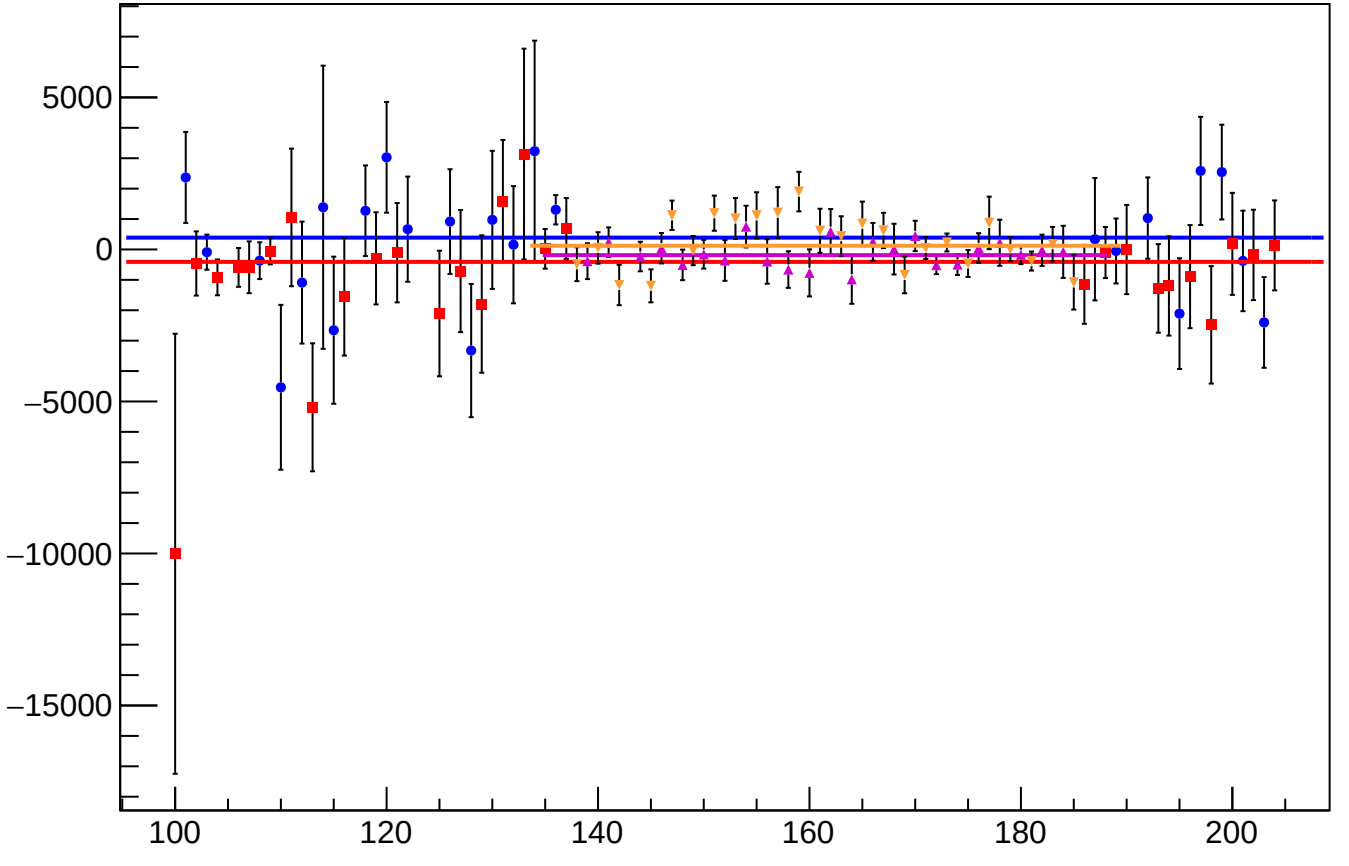
Right: 1508.808+/-0.204 χ^2/NDF: 1236599.6/51

In: 1523.253+/-0.193 χ^2/NDF:885324.5/46

Out: 1521.994+/-0.187 χ^2/NDF:755504.9/51

All: 1522.604+/-0.134 χ^2/NDF: 1640851.2/98

asym_us_dd_at2lr_dd_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: 388.851+/-244.147 χ^2/NDF: 28.7/23

Left Out: 121.325+/-105.060 χ^2/NDF:43.7/23

Right Out: -409.148+/-204.622 χ^2/NDF: 16.7/27

Left In: -187.037+/-106.975 χ^2/NDF:11.6/22

Left: -30.071+/-74.957 χ^2/NDF: 59.5/46

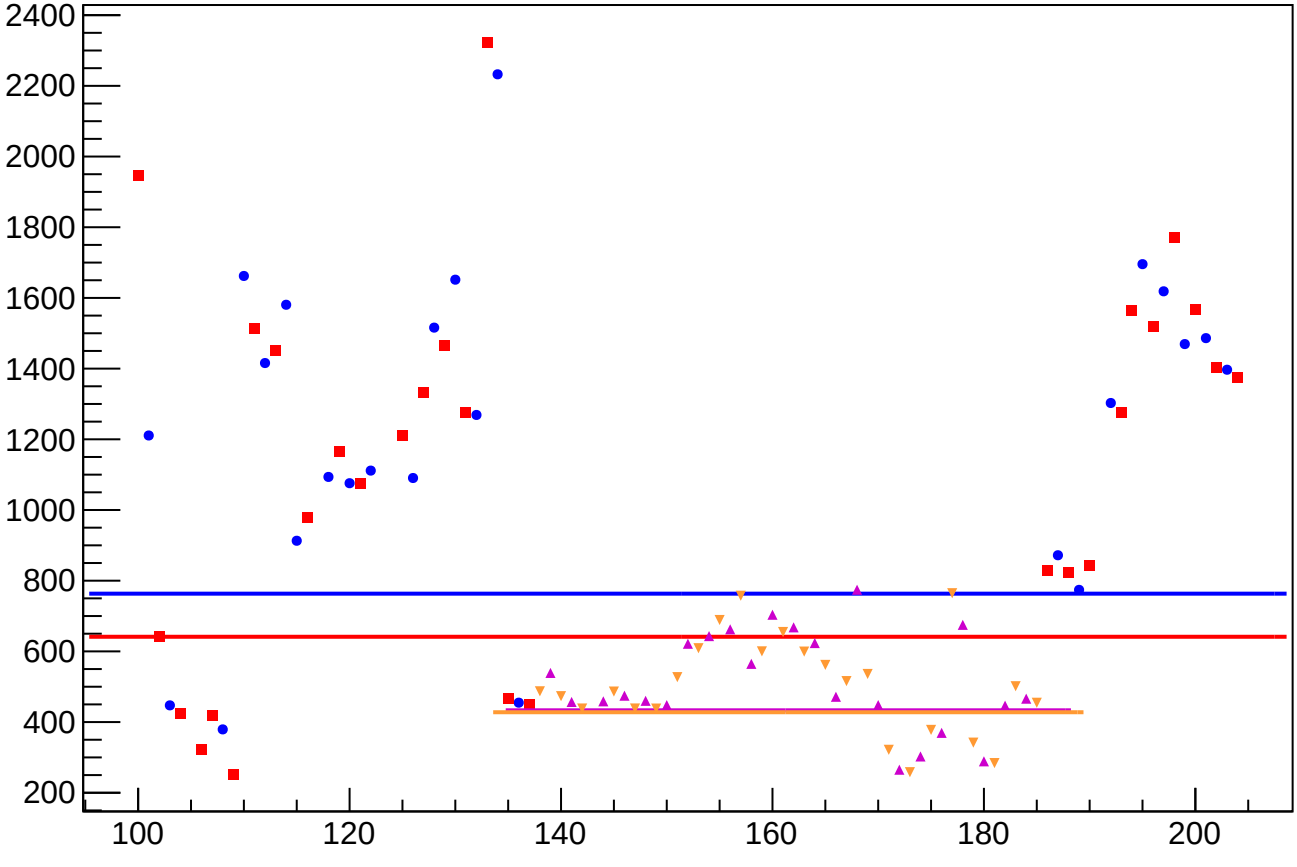
Right: -79.892+/-156.826 χ^2/NDF: 51.6/51

In: -94.283+/-97.983 χ^2/NDF:44.9/46

Out: 10.658+/-93.461 χ^2/NDF:65.6/51

All: -39.336+/-67.629 χ^2/NDF: 111.2/98

asym_us_dd_at2lr_dd_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 763.286+/-0.173 χ^2/NDF: 6691329.7/23

Left Out: 427.814+/-0.074 χ^2/NDF:3188396.1/23

Right Out: 641.352+/-0.145 χ^2/NDF: 9174960.7/27

Left In: 433.285+/-0.076 χ^2/NDF:3247871.5/22

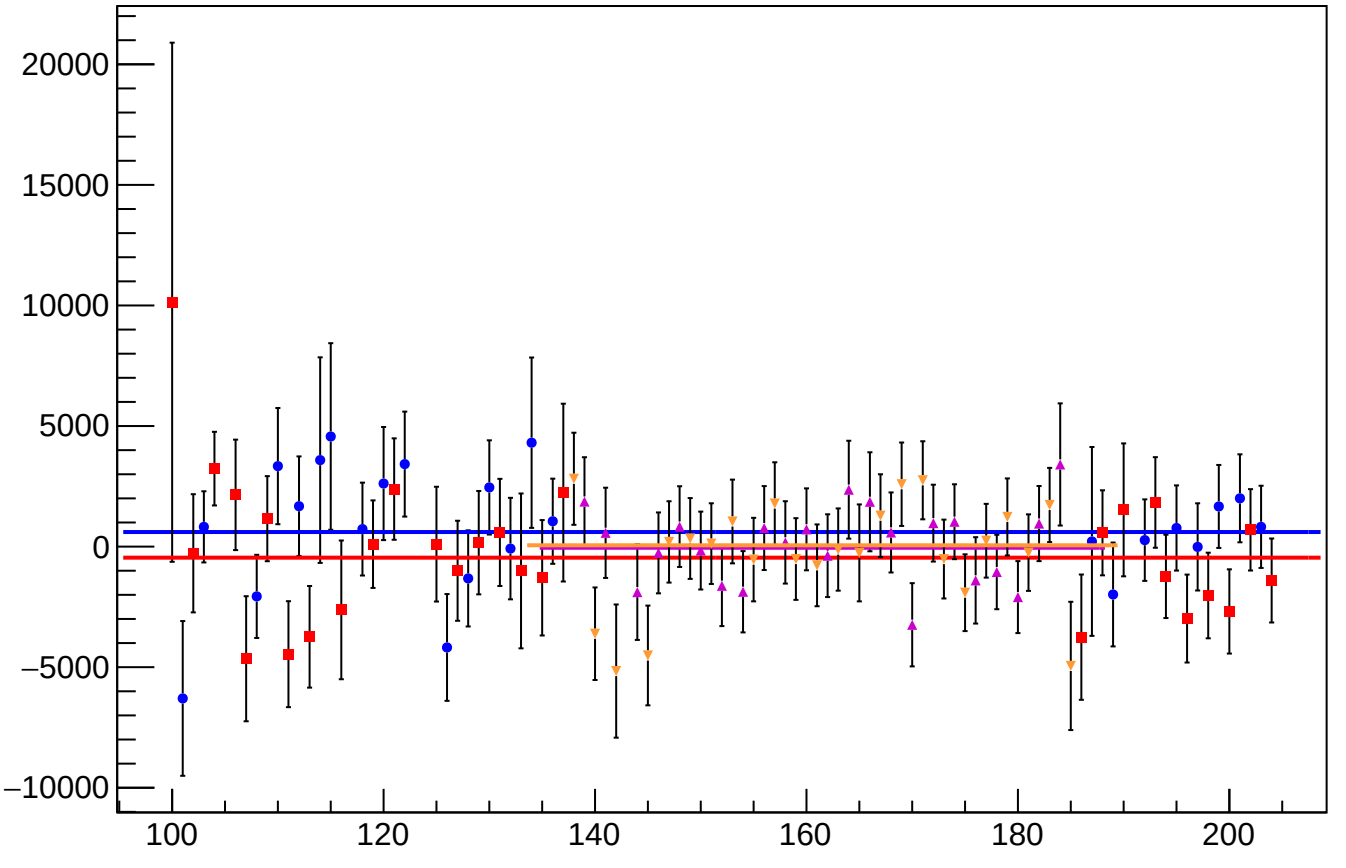
Left: 430.500+/-0.053 χ^2/NDF: 6438930.2/46

Right: 691.662+/-0.111 χ^2/NDF: 16159320.9/51

In: 486.436+/-0.069 χ^2/NDF:13004602.3/46

Out: 472.362+/-0.066 χ^2/NDF:14087049.1/51

All: 479.067+/-0.048 χ^2/NDF: 27113255.0/98



Right In: 604.685+/-420.008 χ^2/NDF: 22.9/23

Left Out: 54.734+/-356.375 χ^2/NDF:28.5/23

Right Out: -458.414+/-396.245 χ^2/NDF: 30.2/27

Left In: -48.256+/-359.531 χ^2/NDF:16.8/22

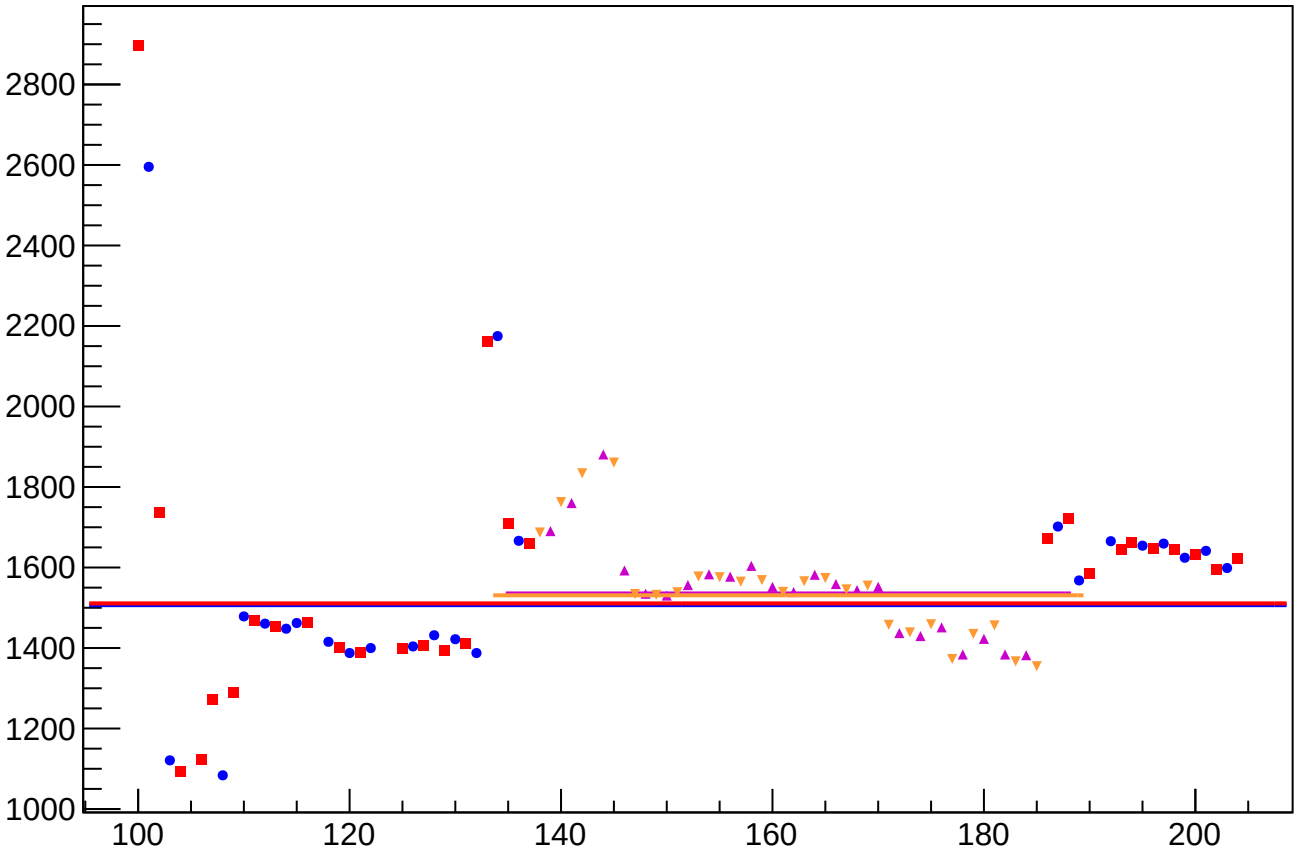
Left: 3.693+/-253.103 χ^2/NDF: 45.3/46

Right: 42.213+/-288.222 χ^2/NDF: 56.5/51

In: 227.862+/-273.129 χ^2/NDF:41.1/46

Out: -174.732+/-264.973 χ^2/NDF:59.6/51

All: 20.464+/-190.182 χ^2/NDF: 101.8/98



Right In: 1506.470+/-0.297 χ^2/NDF: 687358.2/23

Left Out: 1530.976+/-0.252 χ^2/NDF:203539.7/23

Right Out: 1510.890+/-0.280 χ^2/NDF: 549124.2/27

Left In: 1535.551+/-0.254 χ^2/NDF:192432.7/22

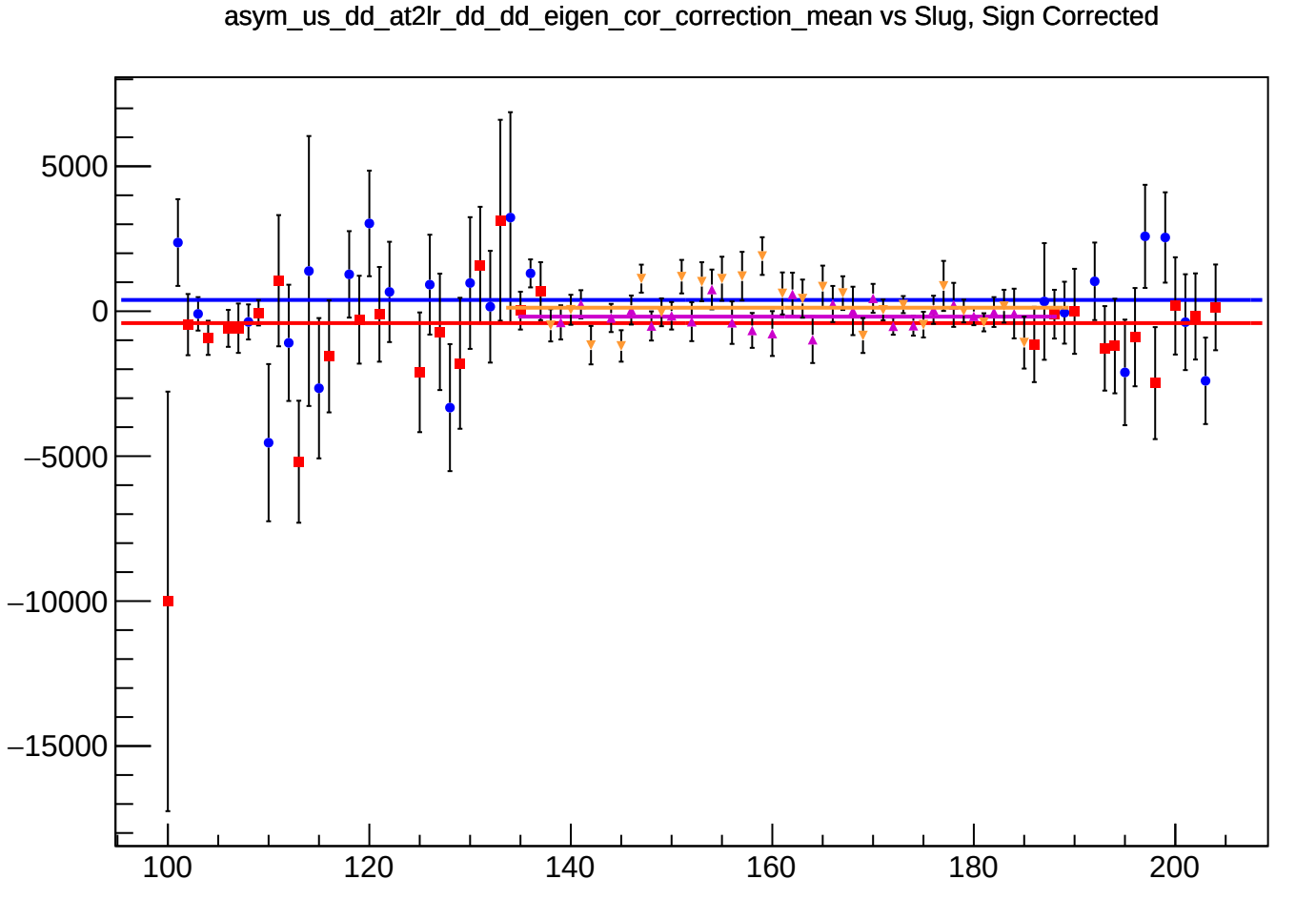
Left: 1533.243+/-0.179 χ^2/NDF: 396135.7/46

Right: 1508.808+/-0.204 χ^2/NDF: 1236599.6/51

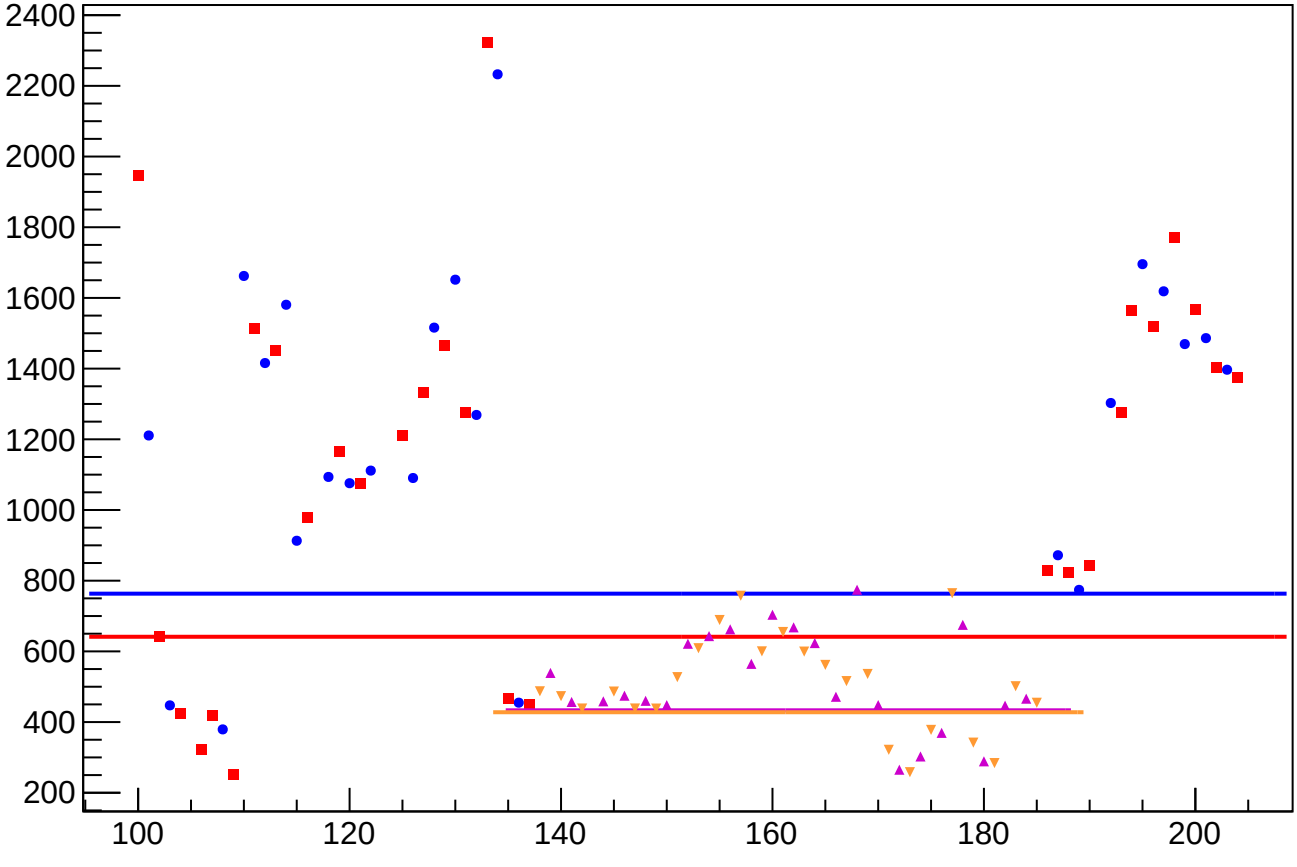
In: 1523.253+/-0.193 χ^2/NDF:885324.5/46

Out: 1521.994+/-0.187 χ^2/NDF:755504.9/51

All: 1522.604+/-0.134 χ^2/NDF: 1640851.2/98


asym_us_dd_at2lr_dd_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
100
120
140
160
180
200
Right In: 388.851+/-244.147 χ²/NDF: 28.7/23
Left Out: 121.325+/-105.060 χ²/NDF:43.7/23
Right Out: -409.148+/-204.622 χ²/NDF: 16.7/27
Left In: -187.037+/-106.975 χ²/NDF:11.6/22
Left: -30.071+/-74.957 χ²/NDF: 59.5/46
Right: -79.892+/-156.826 χ²/NDF: 51.6/51
In: -94.283+/-97.983 χ²/NDF:44.9/46
Out: 10.658+/-93.461 χ²/NDF:65.6/51
All: -39.336+/-67.629 χ²/NDF: 111.2/98

asym_us_dd_at2lr_dd_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 763.286+/-0.173 χ^2/NDF: 6691329.7/23

Left Out: 427.814+/-0.074 χ^2/NDF:3188396.1/23

Right Out: 641.352+/-0.145 χ^2/NDF: 9174960.7/27

Left In: 433.285+/-0.076 χ^2/NDF:3247871.5/22

Left: 430.500+/-0.053 χ^2/NDF: 6438930.2/46

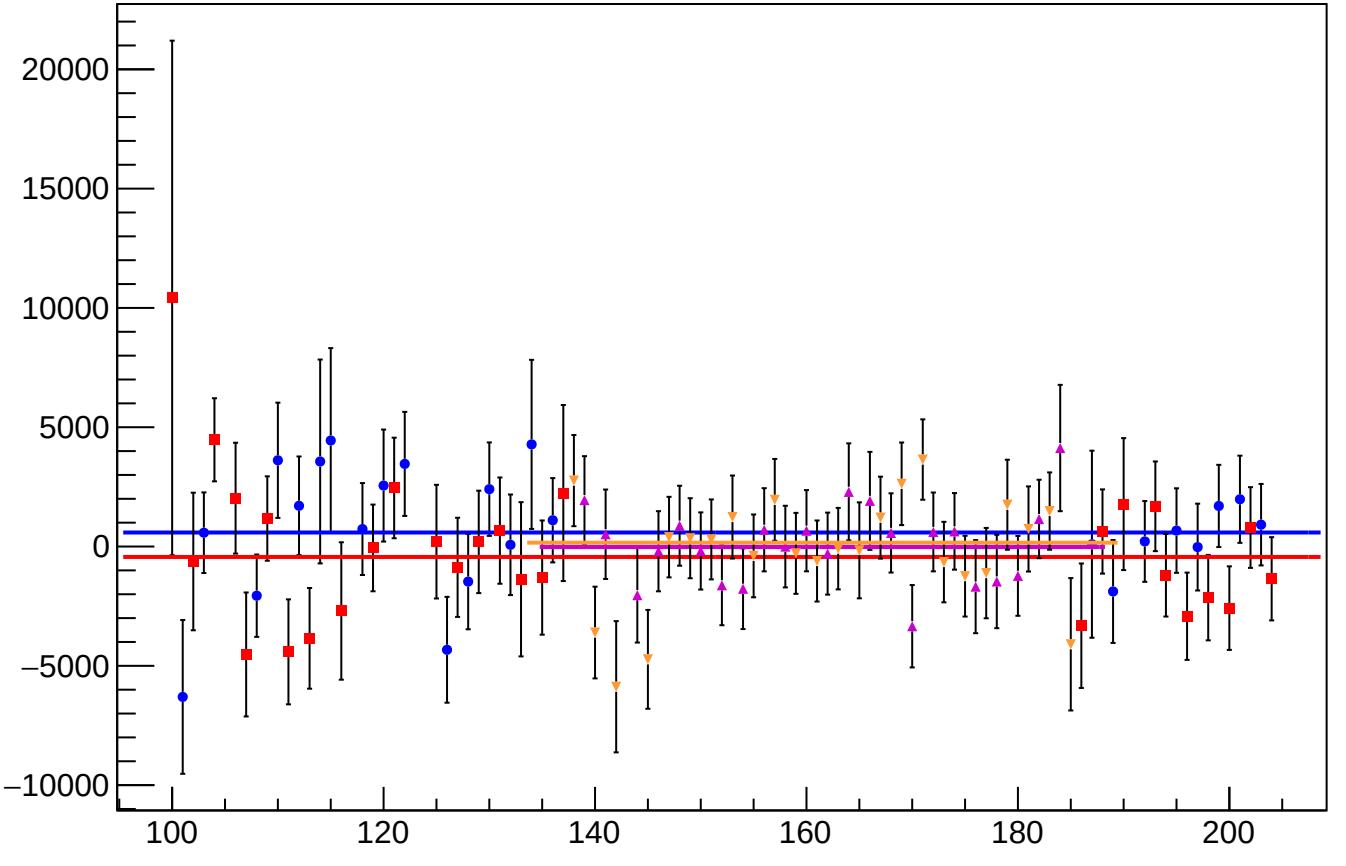
Right: 691.662+/-0.111 χ^2/NDF: 16159320.9/51

In: 486.436+/-0.069 χ^2/NDF:13004602.3/46

Out: 472.362+/-0.066 χ^2/NDF:14087049.1/51

All: 479.067+/-0.048 χ^2/NDF: 27113255.0/98

dit_asym_us_dd_at2lr_dd_dd_mean vs Slug, Sign Corrected



Right In: 587.915+/-424.881 χ^2/NDF: 23.3/23

Left Out: 161.591+/-368.366 χ^2/NDF:29.9/23

Right Out: -437.309+/-401.806 χ^2/NDF: 31.8/27

Left In: -20.252+/-369.781 χ^2/NDF:16.0/22

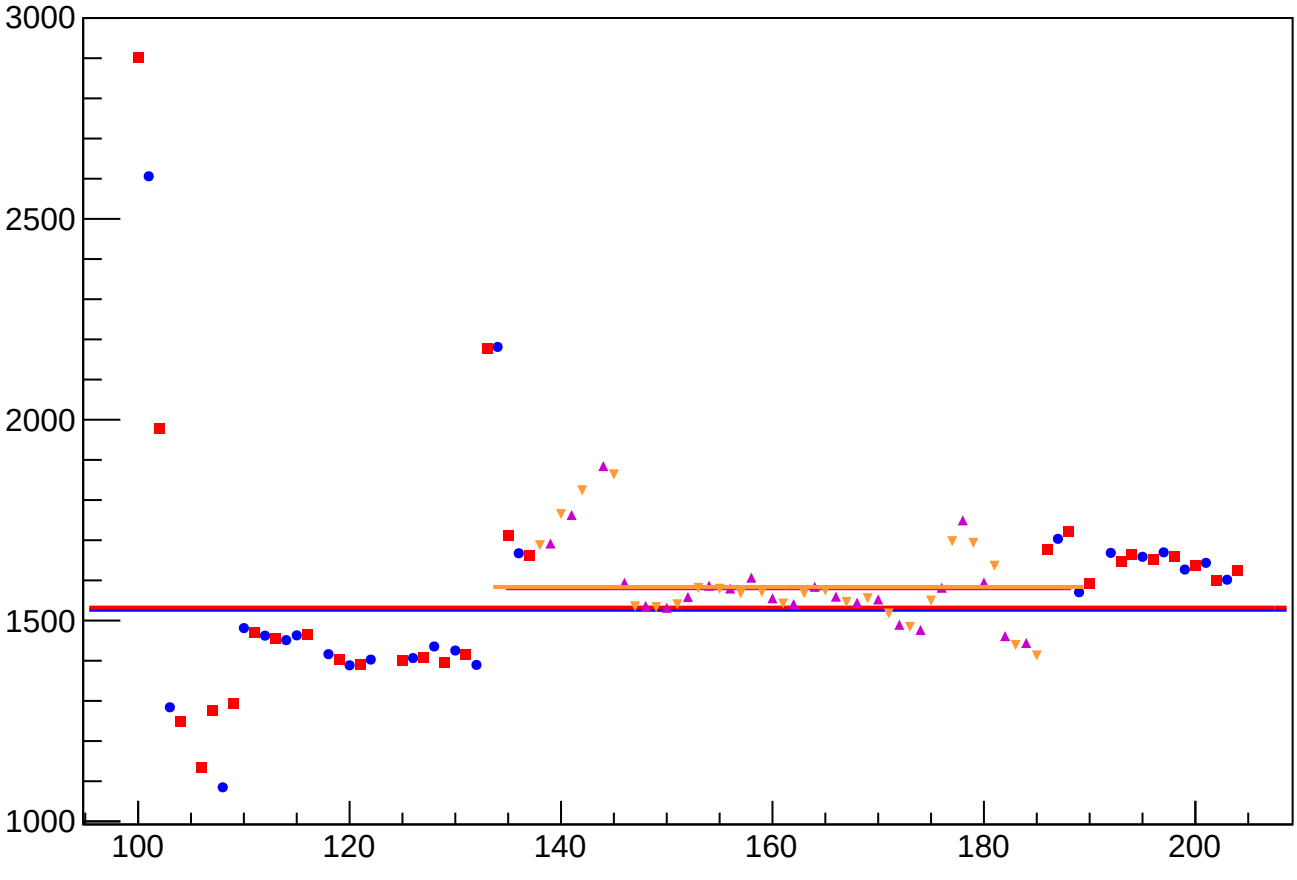
Left: 71.018+/-260.973 χ^2/NDF: 46.0/46

Right: 46.708+/-291.936 χ^2/NDF: 58.2/51

In: 241.864+/-278.935 χ^2/NDF:40.5/46

Out: -111.904+/-271.528 χ^2/NDF:62.9/51

All: 60.220+/-194.565 χ^2/NDF: 104.2/98



Right In: 1526.977+/-0.300 χ^2/NDF: 586409.4/23

Left Out: 1583.673+/-0.260 χ^2/NDF:133583.1/23

Right Out: 1532.242+/-0.284 χ^2/NDF: 476766.1/27

Left In: 1580.464+/-0.261 χ^2/NDF:125745.6/22

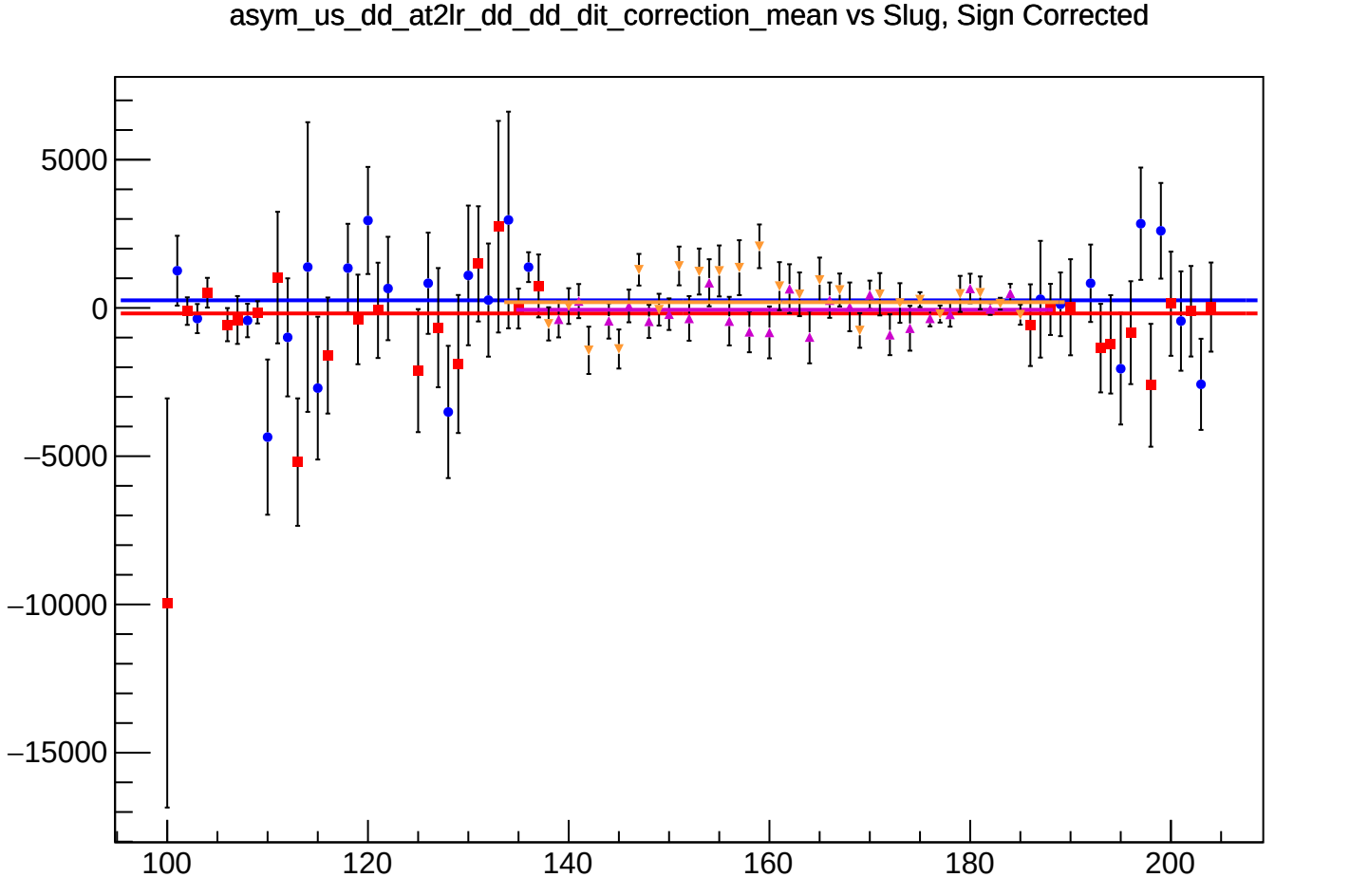
Left: 1582.075+/-0.185 χ^2/NDF: 259404.3/46

Right: 1529.756+/-0.206 χ^2/NDF: 1063337.6/51

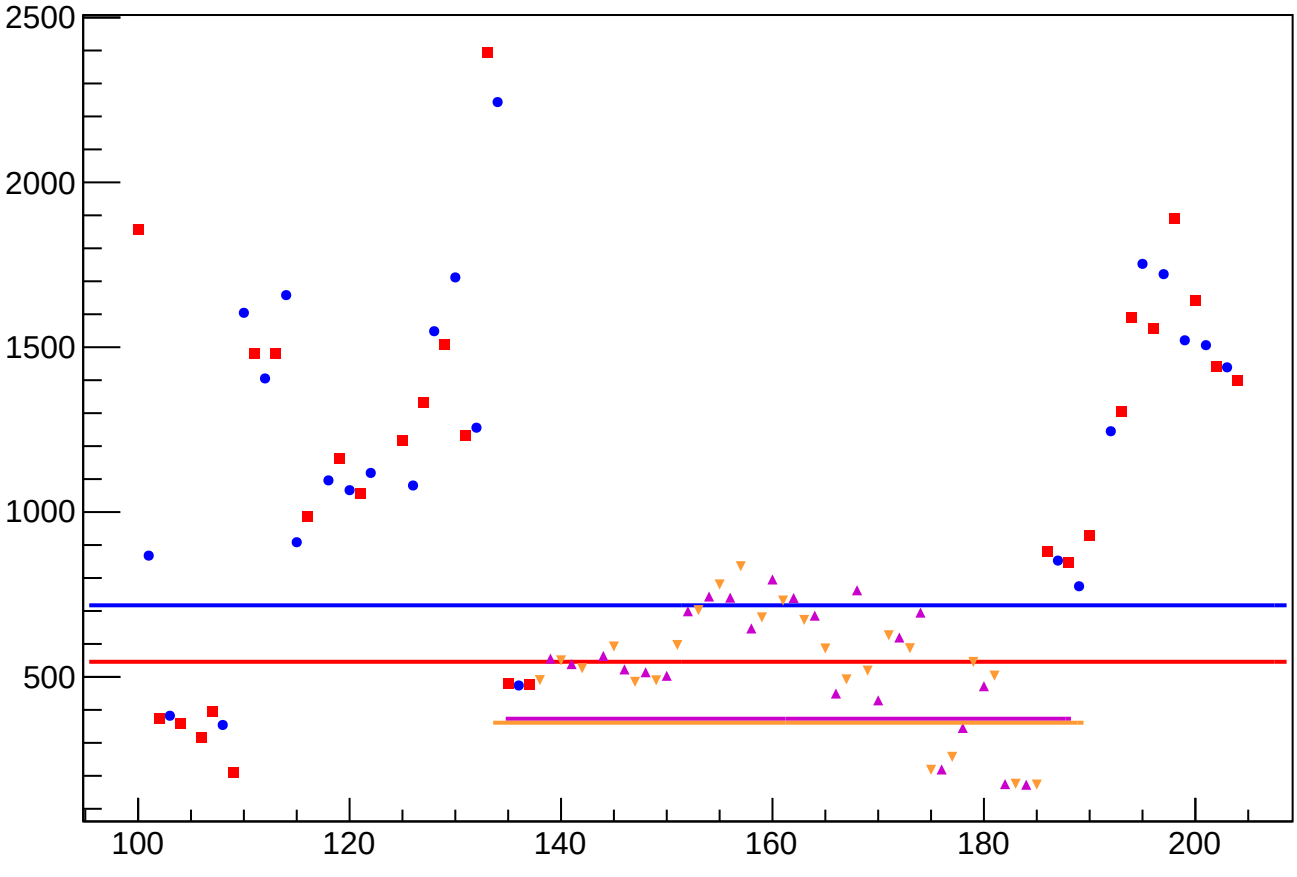
In: 1557.412+/-0.197 χ^2/NDF:730190.0/46

Out: 1560.186+/-0.192 χ^2/NDF:628153.6/51

All: 1558.836+/-0.138 χ^2/NDF: 1358445.2/98


asym_us_dd_at2lr_dd_dd_dit_correction_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
100
120
140
160
180
200
Right In: 256.604+/-234.603 χ²/NDF: 29.5/23
Left Out: 193.307+/-95.894 χ²/NDF:40.1/23
Right Out: -186.159+/-179.974 χ²/NDF: 17.2/27
Left In: -62.183+/-99.717 χ²/NDF:17.0/22
Left: 70.554+/-69.119 χ²/NDF: 60.5/46
Right: -22.126+/-142.795 χ²/NDF: 48.9/51
In: -13.402+/-91.771 χ²/NDF:48.1/46
Out: 109.399+/-84.630 χ²/NDF:60.7/51
All: 52.962+/-62.214 χ²/NDF: 109.8/98

asym_us_dd_at2lr_dd_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 717.195+/-0.166 χ^2/NDF: 7248269.3/23

Left Out: 361.100+/-0.068 χ^2/NDF:8183123.9/23

Right Out: 545.894+/-0.127 χ^2/NDF: 11061588.3/27

Left In: 373.140+/-0.071 χ^2/NDF:8207354.5/22

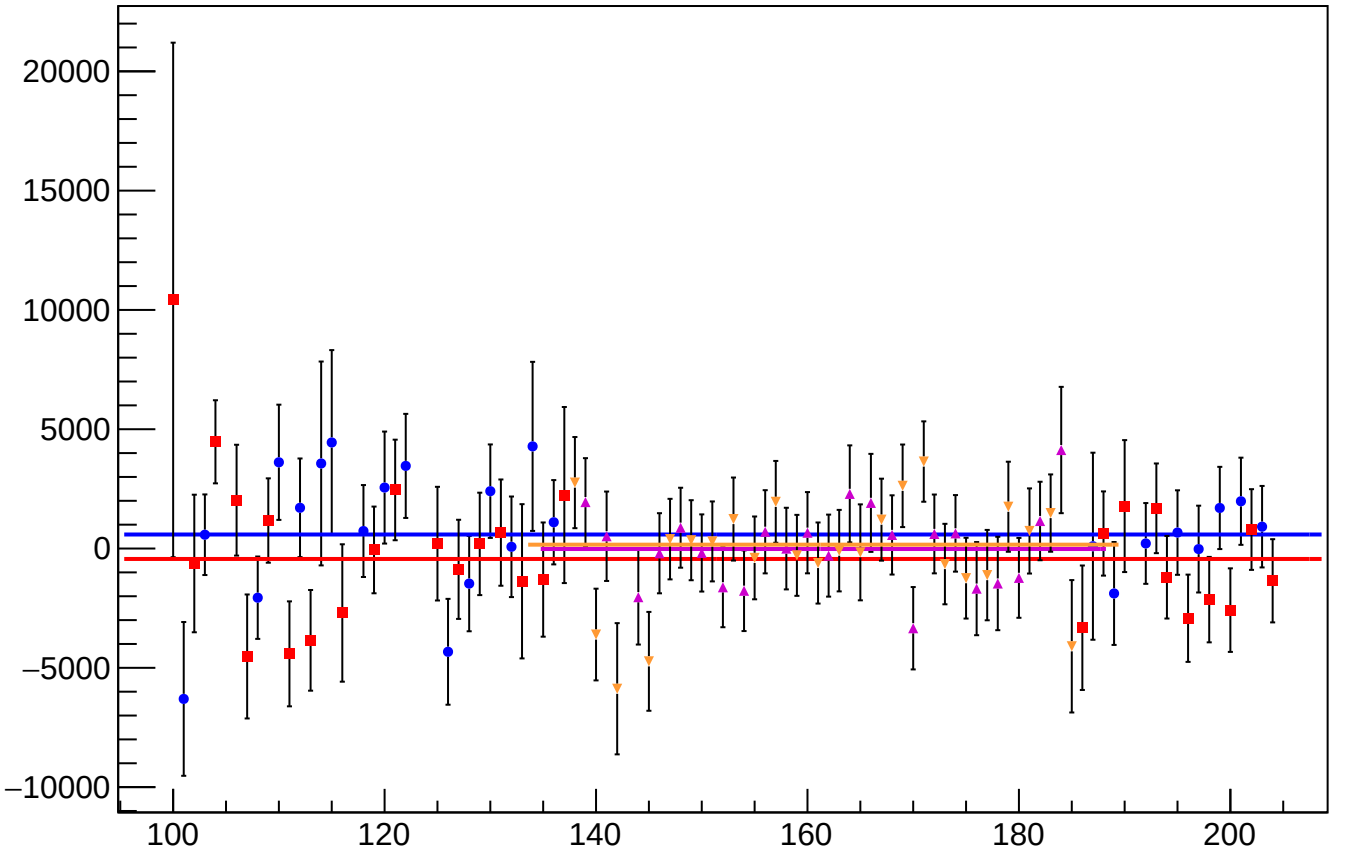
Left: 366.885+/-0.049 χ^2/NDF: 16405627.7/46

Right: 609.357+/-0.101 χ^2/NDF: 18981127.6/51

In: 425.787+/-0.065 χ^2/NDF:19098906.7/46

Out: 401.962+/-0.060 χ^2/NDF:20887032.8/51

All: 412.911+/-0.044 χ^2/NDF: 40058789.9/98



Right In: 587.917+/-424.881 χ^2/NDF: 23.3/23

Left Out: 161.587+/-368.366 χ^2/NDF:29.9/23

Right Out: -437.309+/-401.806 χ^2/NDF: 31.8/27

Left In: -20.250+/-369.781 χ^2/NDF:16.0/22

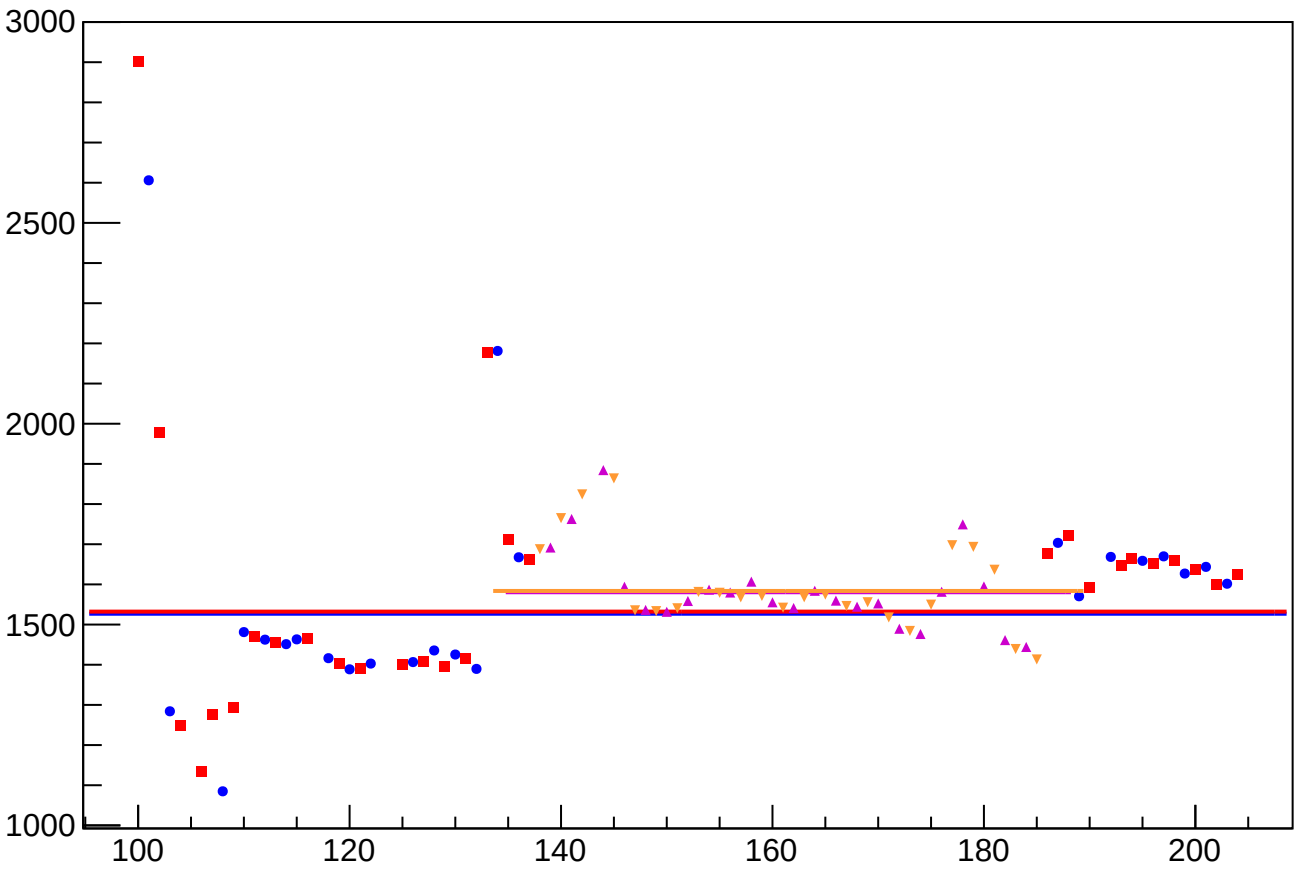
Left: 71.017+/-260.973 χ^2/NDF: 46.0/46

Right: 46.709+/-291.936 χ^2/NDF: 58.2/51

In: 241.866+/-278.935 χ^2/NDF:40.5/46

Out: -111.906+/-271.528 χ^2/NDF:62.9/51

All: 60.220+/-194.565 χ^2/NDF: 104.2/98



Right In: 1526.977+/-0.300 χ^2/NDF: 586408.9/23

Left Out: 1583.673+/-0.260 χ^2/NDF:133583.3/23

Right Out: 1532.241+/-0.284 χ^2/NDF: 476766.1/27

Left In: 1580.464+/-0.261 χ^2/NDF:125745.6/22

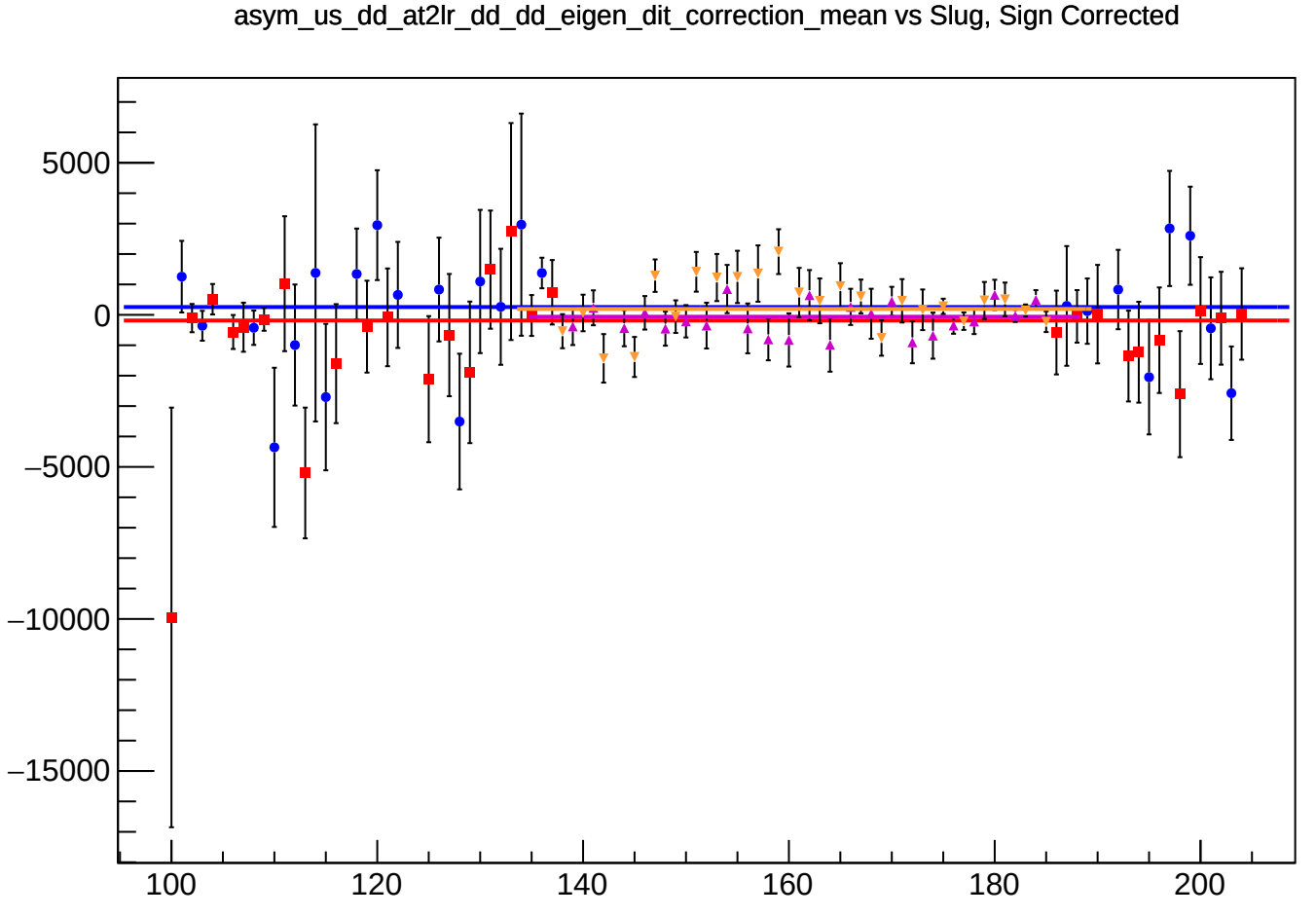
Left: 1582.075+/-0.185 χ^2/NDF: 259404.5/46

Right: 1529.756+/-0.206 χ^2/NDF: 1063337.1/51

In: 1557.411+/-0.197 χ^2/NDF:730189.2/46

Out: 1560.186+/-0.192 χ^2/NDF:628153.8/51

All: 1558.836+/-0.138 χ^2/NDF: 1358444.6/98



Right In: 256.598+/-234.603 χ^2/NDF: 29.5/23

Left Out: 193.312+/-95.894 χ^2/NDF:40.1/23

Right Out: -186.156+/-179.975 χ^2/NDF: 17.2/27

Left In: -62.181+/-99.718 χ^2/NDF:17.0/22

Left: 70.558+/-69.120 χ^2/NDF: 60.5/46

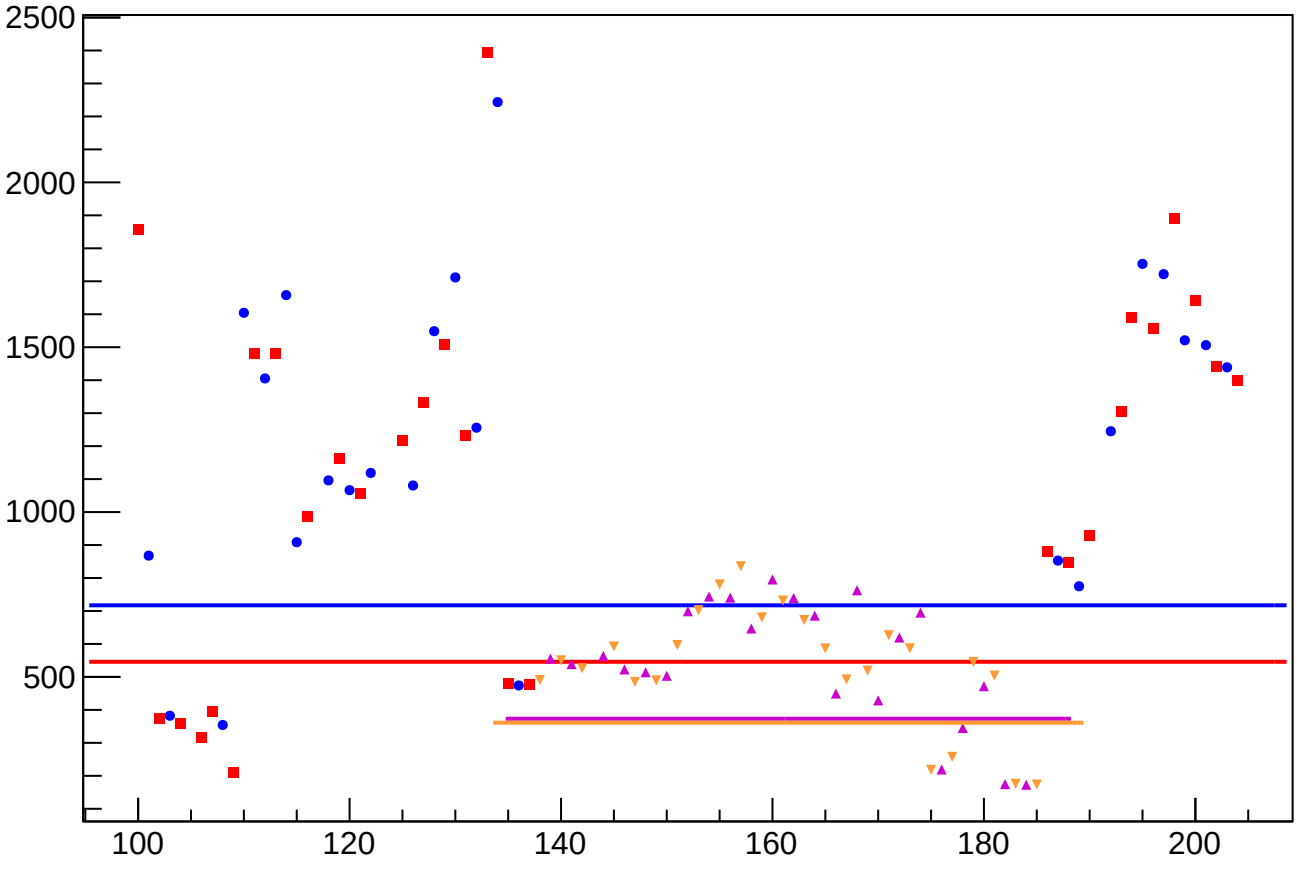
Right: -22.124+/-142.796 χ^2/NDF: 48.9/51

In: -13.401+/-91.772 χ^2/NDF:48.1/46

Out: 109.404+/-84.631 χ^2/NDF:60.7/51

All: 52.965+/-62.214 χ^2/NDF: 109.8/98

asym_us_dd_at2lr_dd_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 717.194+/-0.166 χ^2/NDF: 7248318.6/23

Left Out: 361.103+/-0.068 χ^2/NDF:8182968.2/23

Right Out: 545.900+/-0.127 χ^2/NDF: 11061447.7/27

Left In: 373.145+/-0.071 χ^2/NDF:8207110.6/22

Left: 366.889+/-0.049 χ^2/NDF: 16405230.8/46

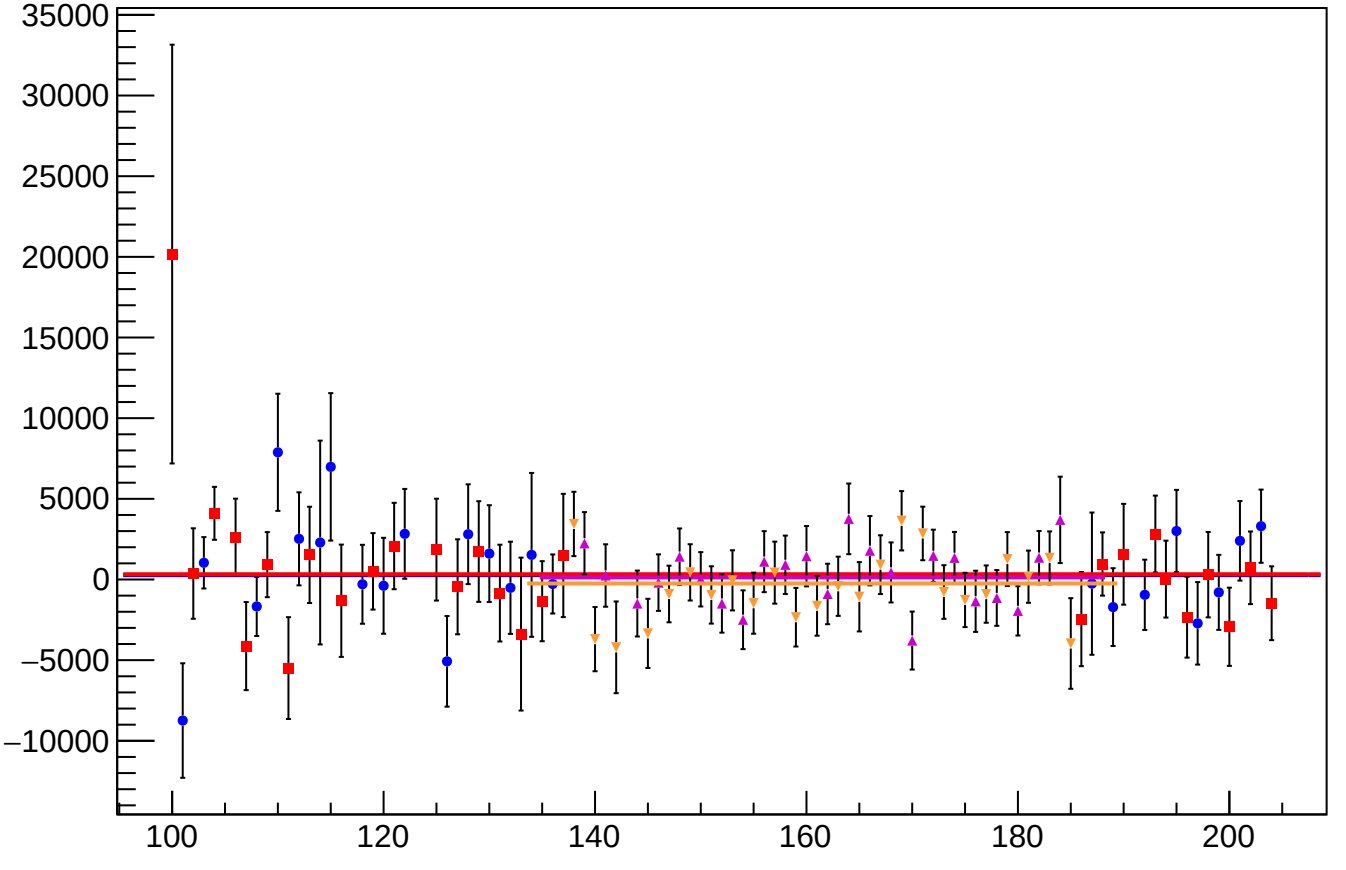
Right: 609.361+/-0.101 χ^2/NDF: 18980968.5/51

In: 425.792+/-0.065 χ^2/NDF:19098573.5/46

Out: 401.966+/-0.060 χ^2/NDF:20886765.5/51

All: 412.916+/-0.044 χ^2/NDF: 40058190.7/98

asym_us_dd_at2lr_dd_dd_mean vs Slug, Sign Corrected



Right In: 267.841+/-531.650 χ^2/NDF: 27.0/23

Left Out: -247.110+/-378.224 χ^2/NDF:26.0/23

Right Out: 326.166+/-495.549 χ^2/NDF: 23.2/27

Left In: 126.114+/-381.305 χ^2/NDF:21.2/22

Left: -62.012+/-268.528 χ^2/NDF: 47.7/46

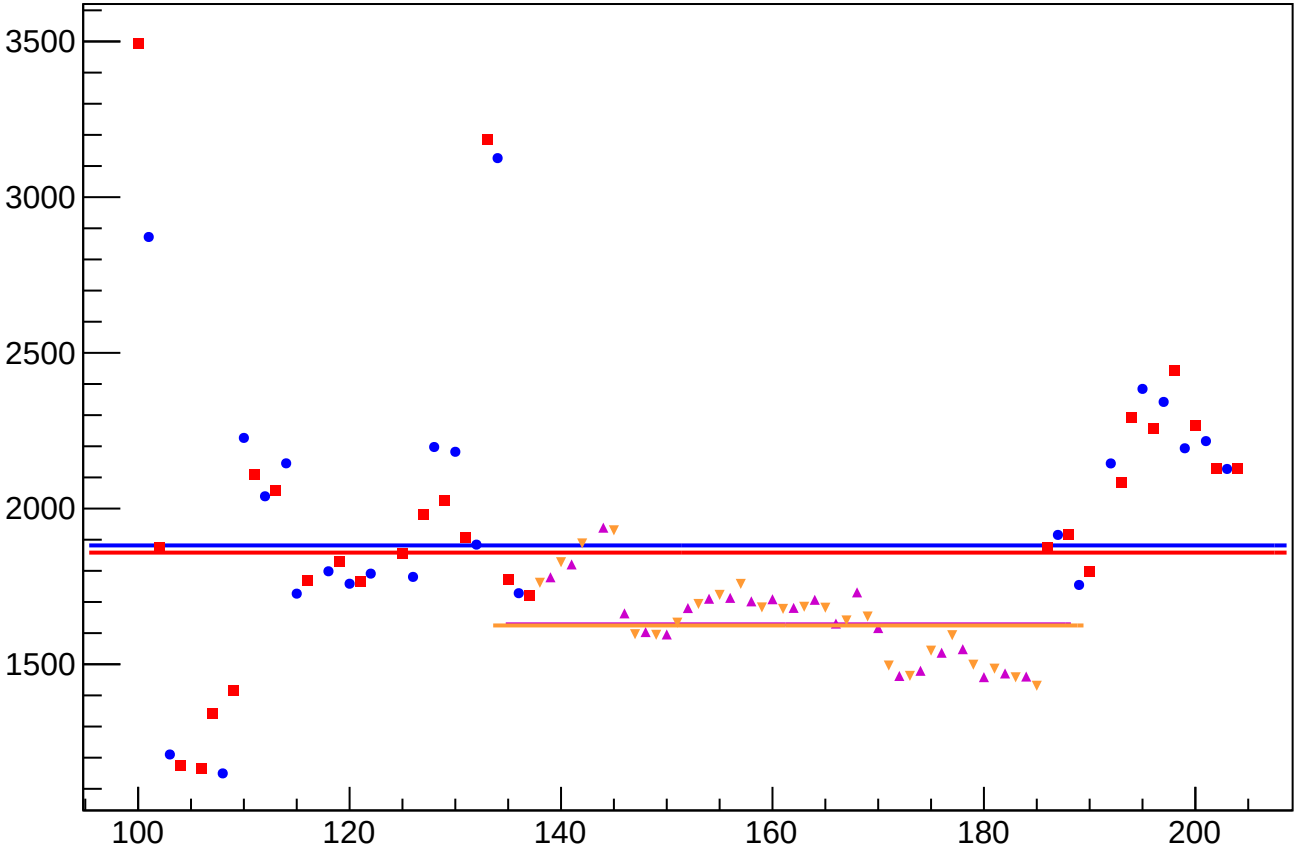
Right: 299.051+/-362.497 χ^2/NDF: 50.2/51

In: 174.254+/-309.851 χ^2/NDF:48.3/46

Out: -36.084+/-300.657 χ^2/NDF:50.1/51

All: 65.918+/-215.774 χ^2/NDF: 98.6/98

asym_us_dd_at2lr_dd_dd_rms vs Slug, Sign Corrected



Right In: 1881.630+/-0.376 χ^2/NDF: 1320926.8/23

Left Out: 1624.614+/-0.267 χ^2/NDF:207257.7/23

Right Out: 1858.542+/-0.350 χ^2/NDF: 1261950.5/27

Left In: 1628.221+/-0.270 χ^2/NDF:204880.6/22

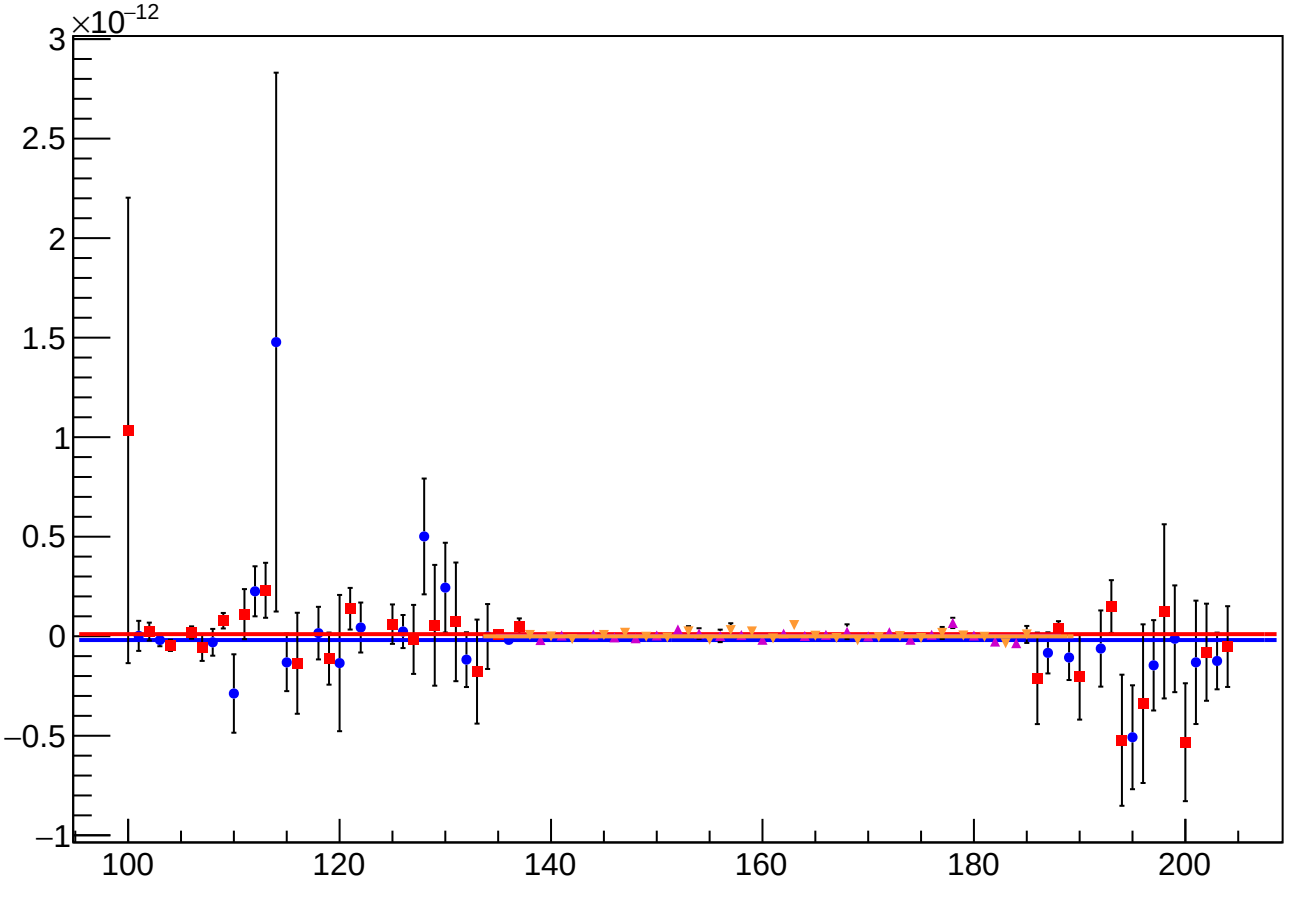
Left: 1626.403+/-0.190 χ^2/NDF: 412228.5/46

Right: 1869.276+/-0.256 χ^2/NDF: 2584895.6/51

In: 1714.296+/-0.219 χ^2/NDF:1825851.5/46

Out: 1710.725+/-0.213 χ^2/NDF:1750831.4/51

All: 1712.457+/-0.153 χ^2/NDF: 3576819.8/98



Right In: -0.000+/-0.000 χ^2/NDF: 18.9/23

Left Out: -0.000+/-0.000 χ^2/NDF:22.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 27.1/27

Left In: 0.000+/-0.000 χ^2/NDF:24.2/22

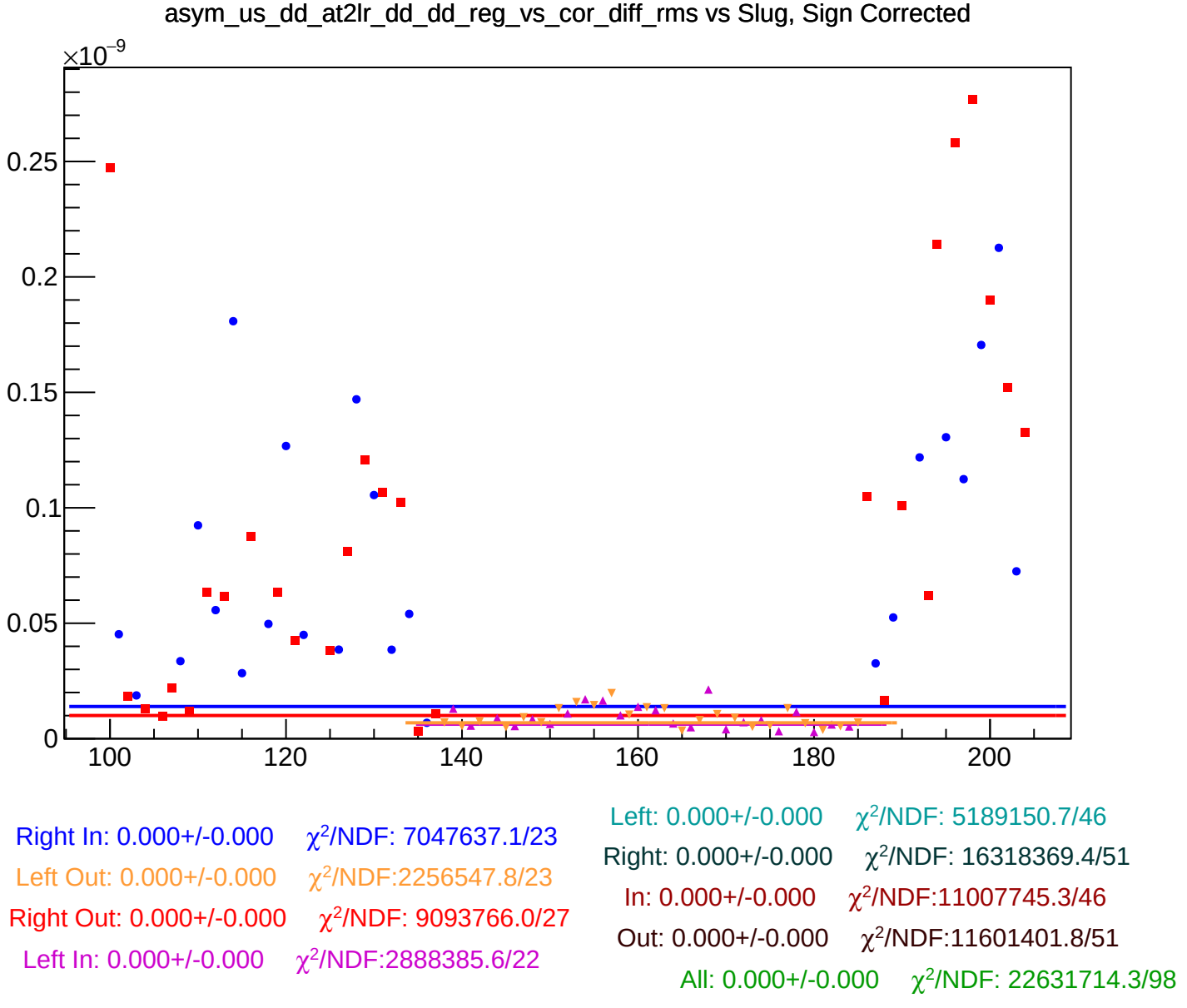
Left: 0.000+/-0.000 χ^2/NDF: 47.2/46

Right: -0.000+/-0.000 χ^2/NDF: 51.1/51

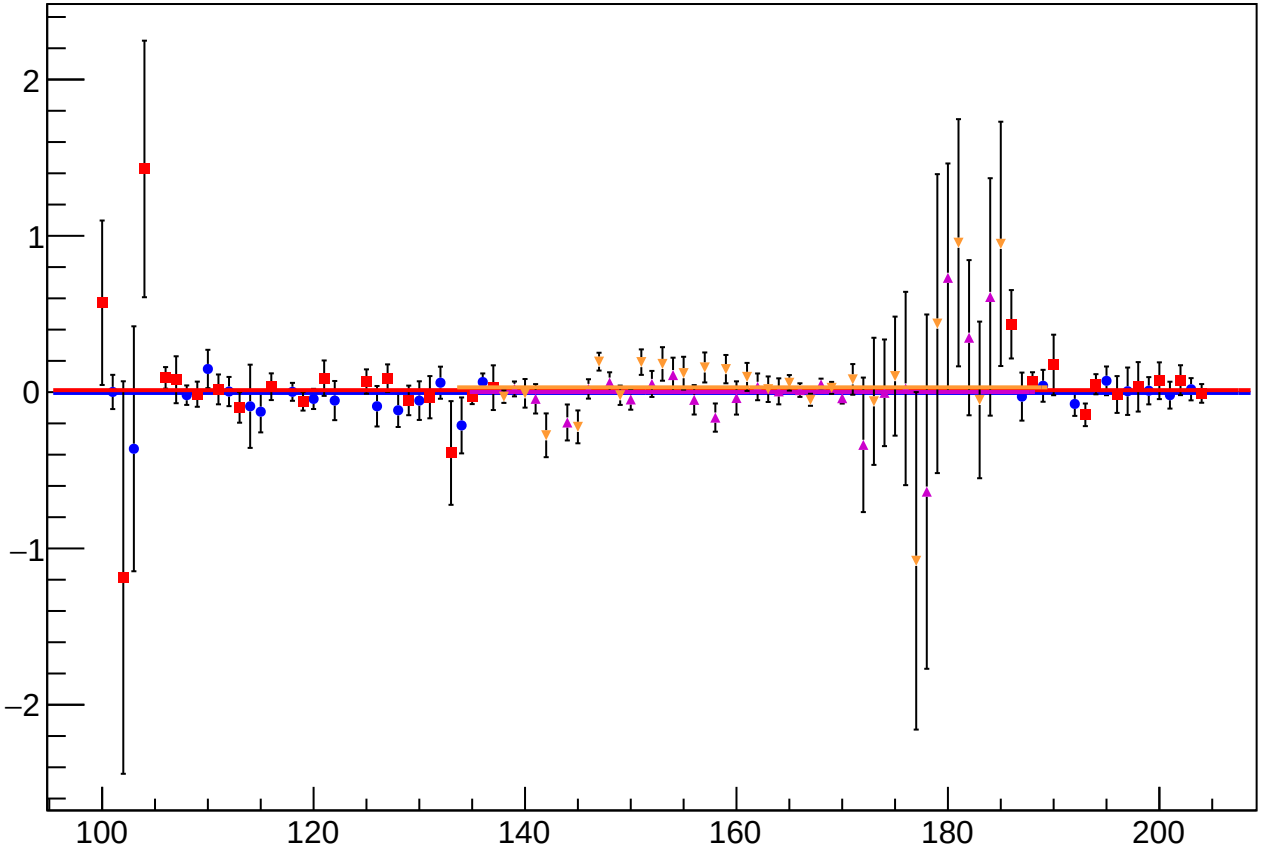
In: 0.000+/-0.000 χ^2/NDF:47.2/46

Out: 0.000+/-0.000 χ^2/NDF:51.2/51

All: 0.000+/-0.000 χ^2/NDF: 98.4/98


asym_us_dd_at2lr_dd_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.25
0.2
0.15
0.1
0.05
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 7047637.1/23
Left Out: 0.000+/-0.000 χ²/NDF:2256547.8/23
Right Out: 0.000+/-0.000 χ²/NDF: 9093766.0/27
Left In: 0.000+/-0.000 χ²/NDF:2888385.6/22
Left: 0.000+/-0.000 χ²/NDF: 5189150.7/46
Right: 0.000+/-0.000 χ²/NDF: 16318369.4/51
In: 0.000+/-0.000 χ²/NDF:11007745.3/46
Out: 0.000+/-0.000 χ²/NDF:11601401.8/51
All: 0.000+/-0.000 χ²/NDF: 22631714.3/98

asym_us_dd_at2lr_dd_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.005+/-0.019 χ^2/NDF: 10.3/23

Left Out: 0.031+/-0.015 χ^2/NDF:41.5/23

Right Out: 0.013+/-0.017 χ^2/NDF: 25.0/27

Left In: 0.001+/-0.015 χ^2/NDF:16.0/22

Left: 0.015+/-0.011 χ^2/NDF: 59.5/46

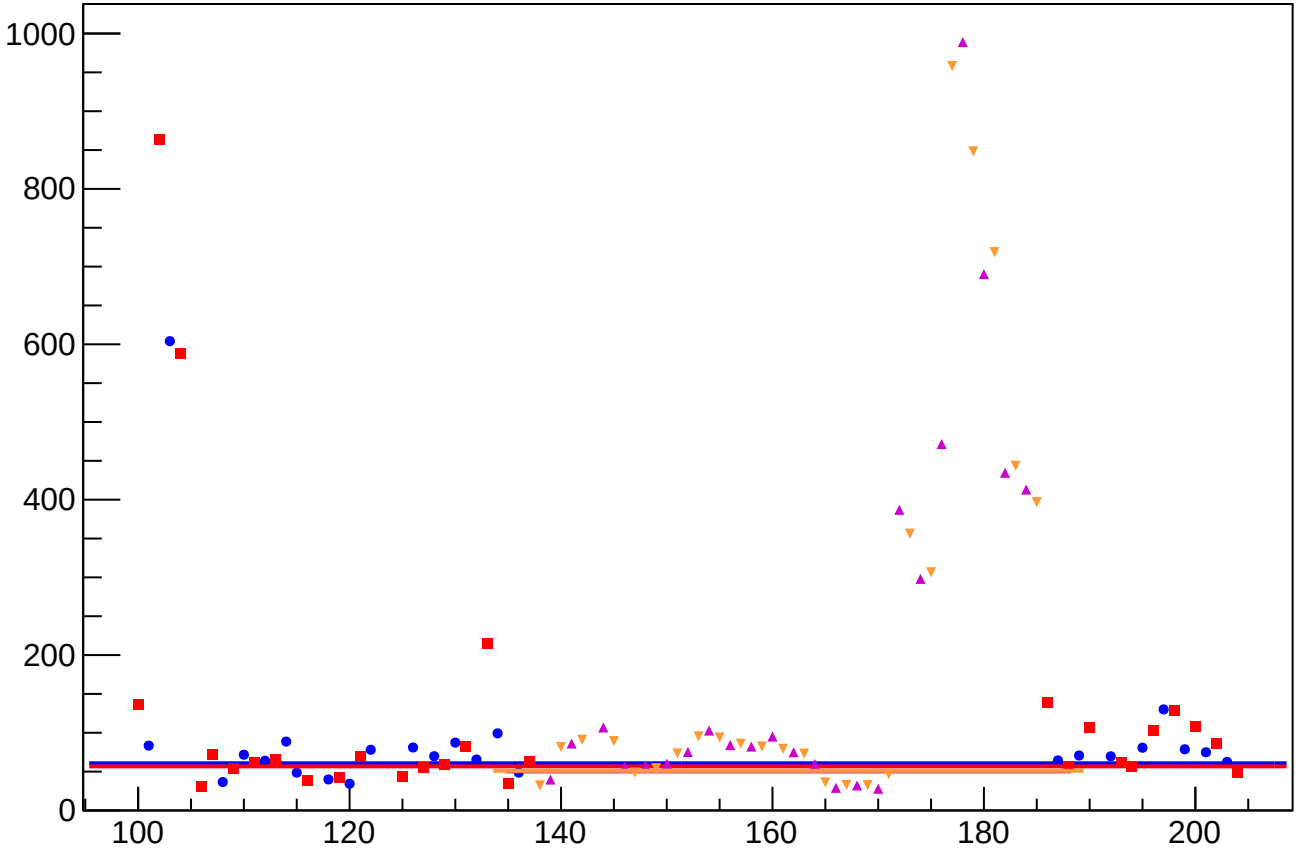
Right: 0.005+/-0.013 χ^2/NDF: 35.7/51

In: -0.002+/-0.012 χ^2/NDF:26.3/46

Out: 0.023+/-0.012 χ^2/NDF:67.1/51

All: 0.011+/-0.008 χ^2/NDF: 95.6/98

asym_us_dd_at2lr_dd_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 60.701+/-0.013 χ^2/NDF: 3089224.2/23

Left Out: 51.081+/-0.011 χ^2/NDF:11736636.7/23

Right Out: 56.751+/-0.012 χ^2/NDF: 4985200.7/27

Left In: 50.251+/-0.011 χ^2/NDF:12195723.8/22

Left: 50.660+/-0.008 χ^2/NDF: 23935280.6/46

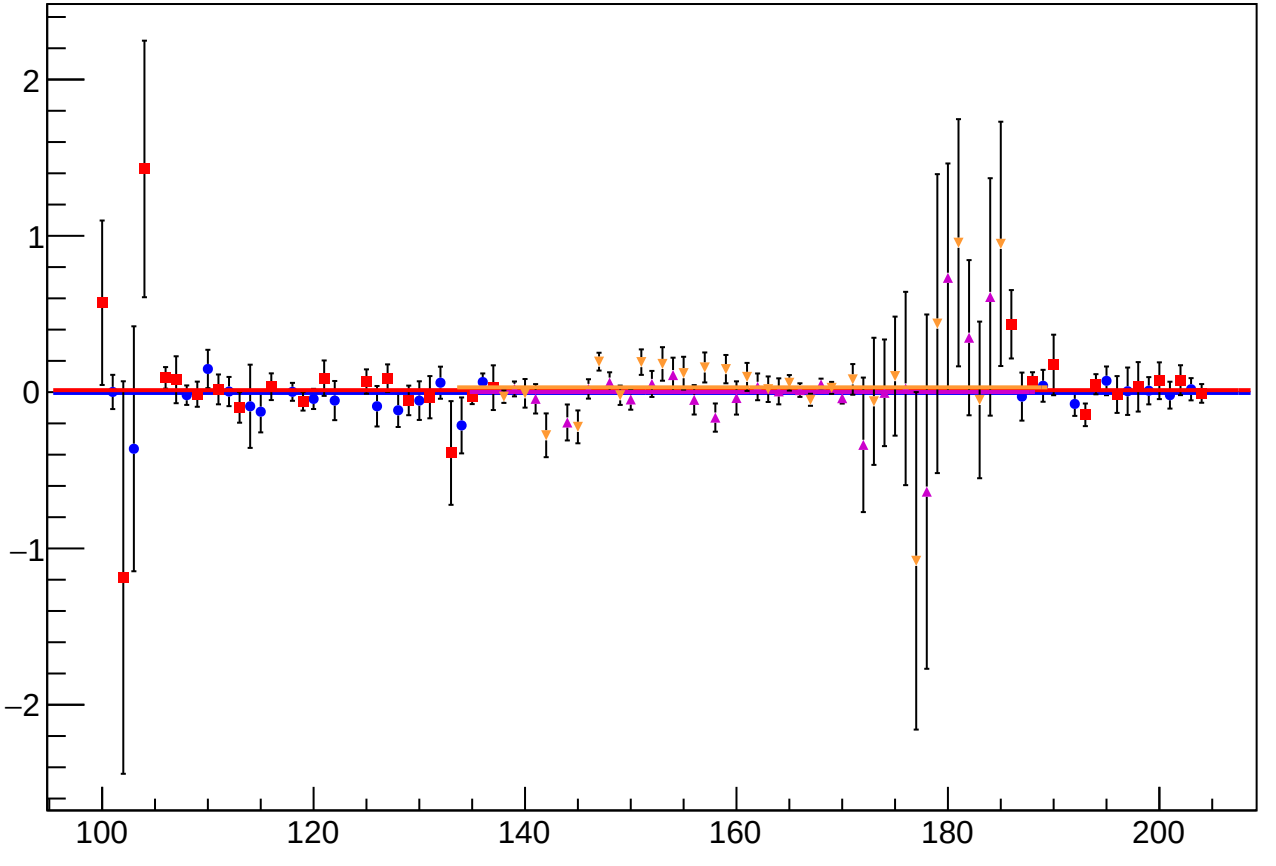
Right: 58.552+/-0.009 χ^2/NDF: 8122095.8/51

In: 54.382+/-0.008 χ^2/NDF:15655818.2/46

Out: 53.605+/-0.008 χ^2/NDF:16841417.9/51

All: 53.982+/-0.006 χ^2/NDF: 32501648.4/98

asym_us_dd_at2lr_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.005+/-0.019 χ^2/NDF: 10.3/23

Left Out: 0.031+/-0.015 χ^2/NDF:41.5/23

Right Out: 0.013+/-0.017 χ^2/NDF: 25.0/27

Left In: 0.001+/-0.015 χ^2/NDF:16.0/22

Left: 0.015+/-0.011 χ^2/NDF: 59.5/46

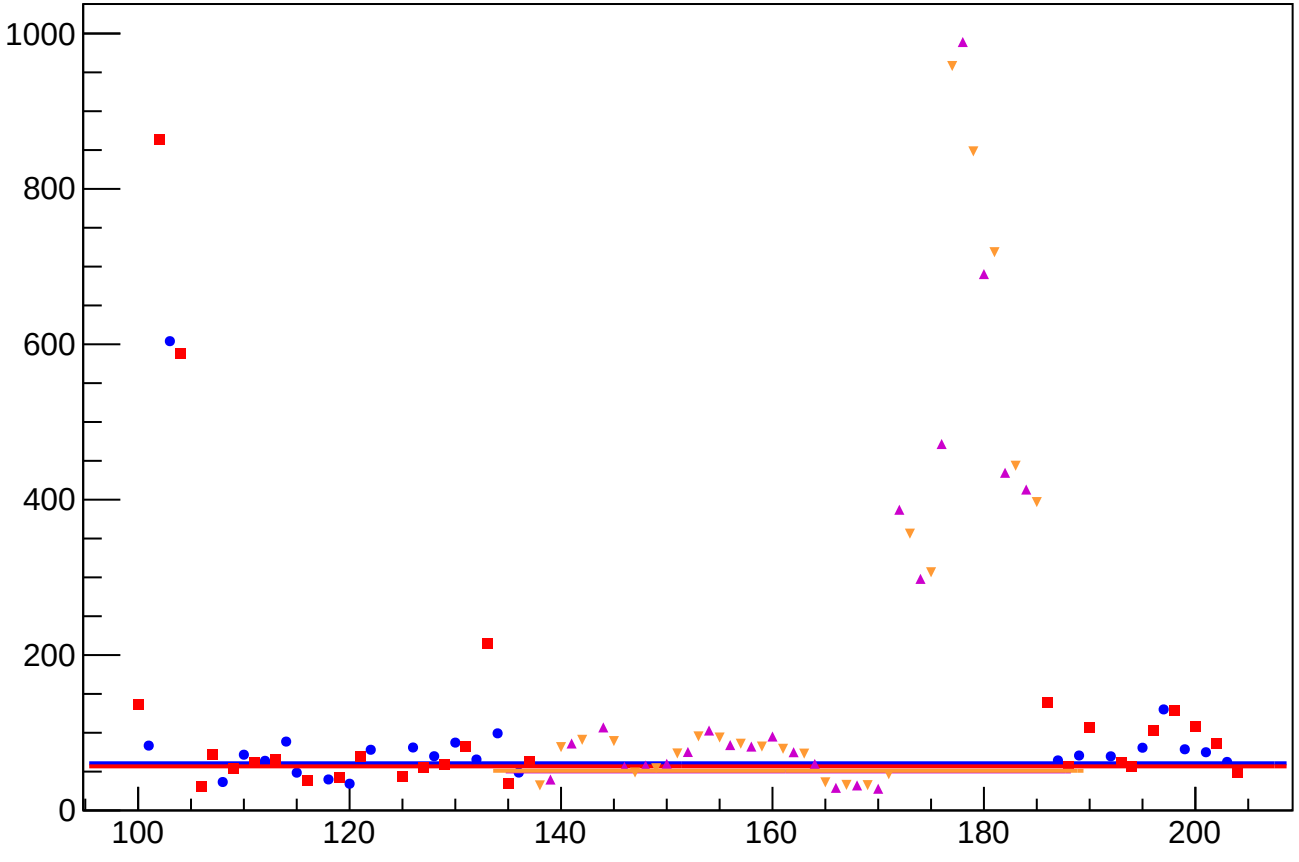
Right: 0.005+/-0.013 χ^2/NDF: 35.7/51

In: -0.002+/-0.012 χ^2/NDF:26.3/46

Out: 0.023+/-0.012 χ^2/NDF:67.1/51

All: 0.011+/-0.008 χ^2/NDF: 95.6/98

asym_us_dd_at2lr_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 60.701+/-0.013 χ^2/NDF: 3089224.2/23

Left Out: 51.081+/-0.011 χ^2/NDF:11736636.7/23

Right Out: 56.751+/-0.012 χ^2/NDF: 4985200.7/27

Left In: 50.251+/-0.011 χ^2/NDF:12195723.8/22

Left: 50.660+/-0.008 χ^2/NDF: 23935280.6/46

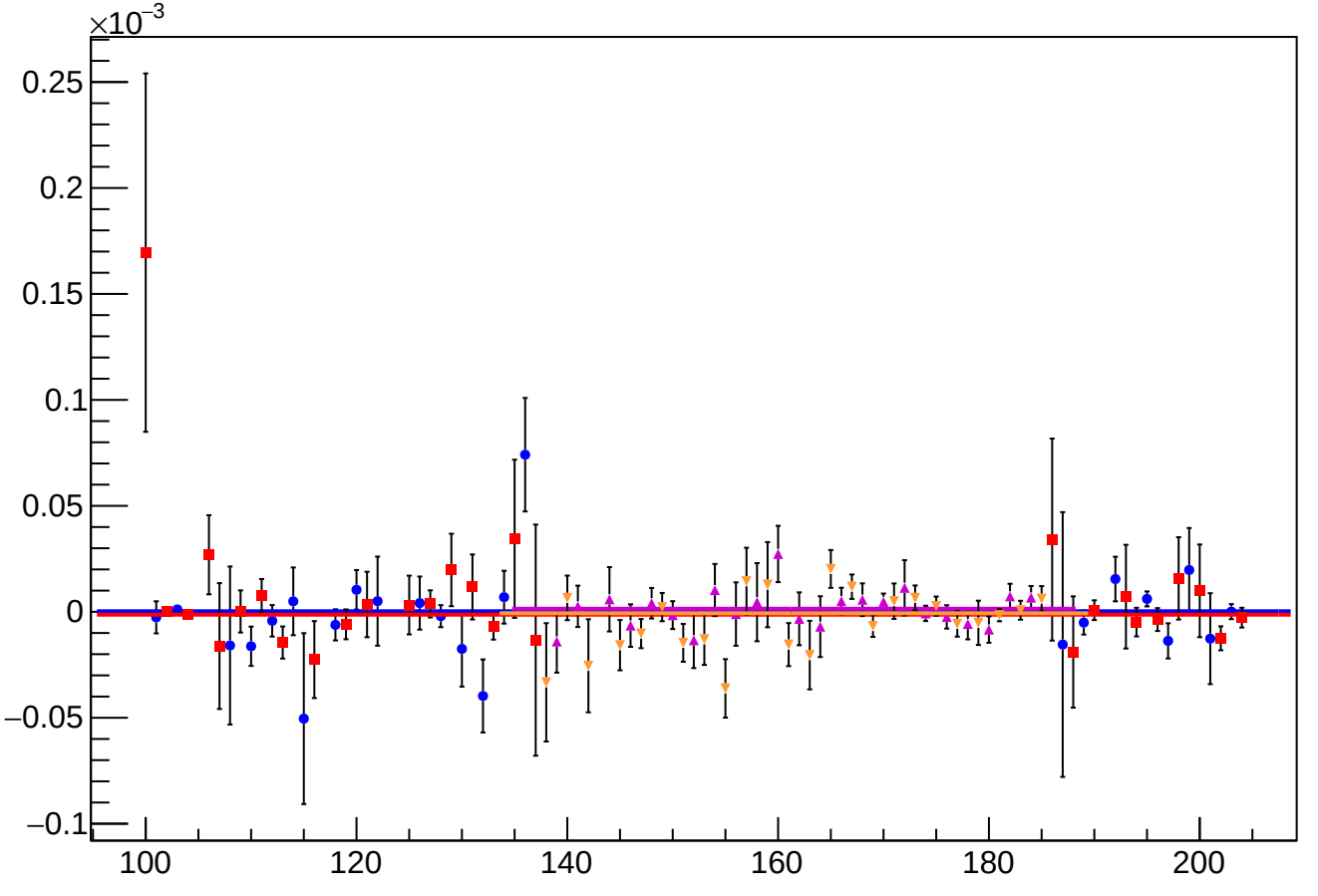
Right: 58.552+/-0.009 χ^2/NDF: 8122095.8/51

In: 54.382+/-0.008 χ^2/NDF:15655818.2/46

Out: 53.605+/-0.008 χ^2/NDF:16841417.9/51

All: 53.982+/-0.006 χ^2/NDF: 32501648.4/98

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: 32.2/23

Left Out: -0.000+/-0.000 χ^2/NDF:38.5/23

Right Out: -0.000+/-0.000 χ^2/NDF: 24.9/27

Left In: 0.000+/-0.000 χ^2/NDF:16.4/22

Left: 0.000+/-0.000 χ^2/NDF: 56.0/46

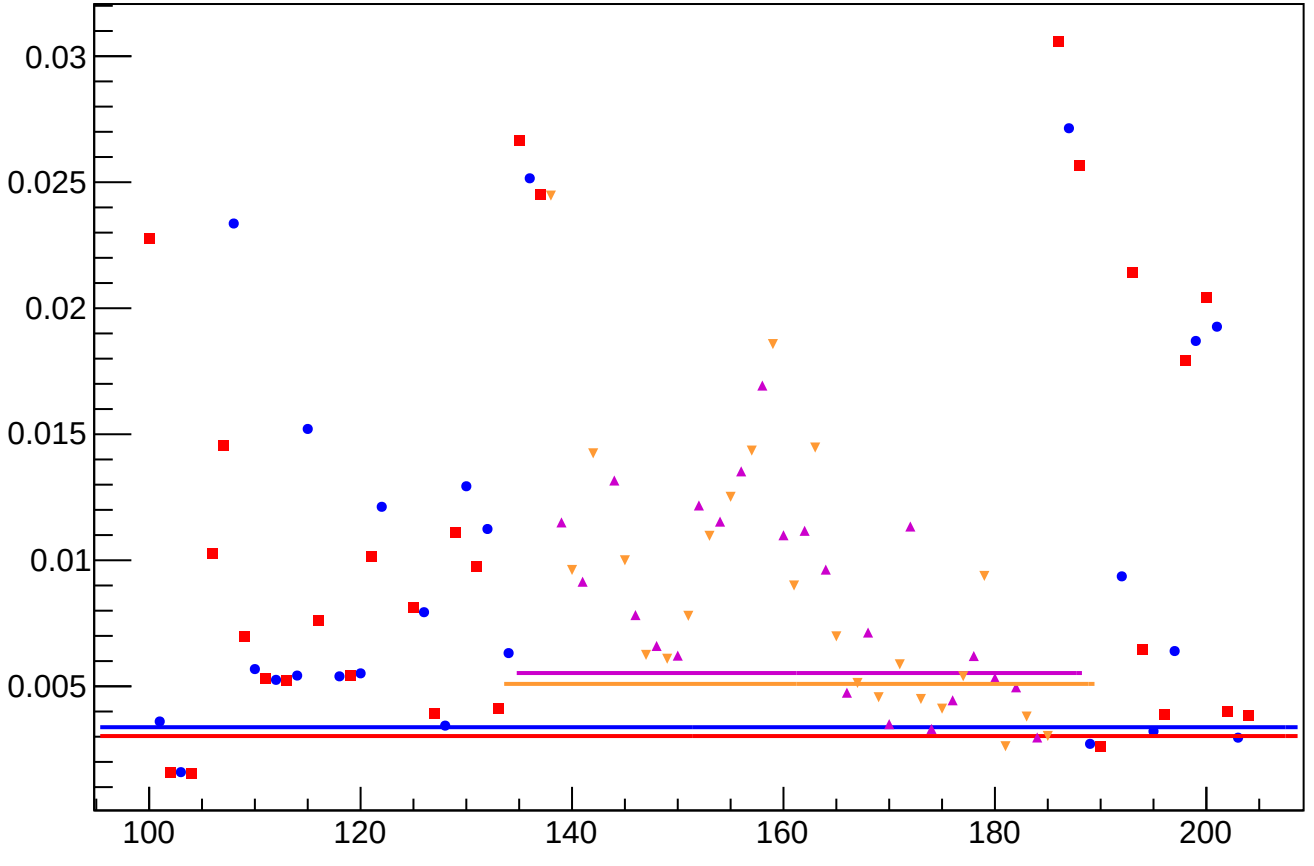
Right: -0.000+/-0.000 χ^2/NDF: 58.0/51

In: 0.000+/-0.000 χ^2/NDF:49.0/46

Out: -0.000+/-0.000 χ^2/NDF:63.5/51

All: -0.000+/-0.000 χ^2/NDF: 114.5/98

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 9398116.0/23

Left Out: 0.005+/-0.000 χ^2/NDF:8380878.9/23

Right Out: 0.003+/-0.000 χ^2/NDF: 12963728.6/27

Left In: 0.006+/-0.000 χ^2/NDF:6892708.8/22

Left: 0.005+/-0.000 χ^2/NDF: 15361726.2/46

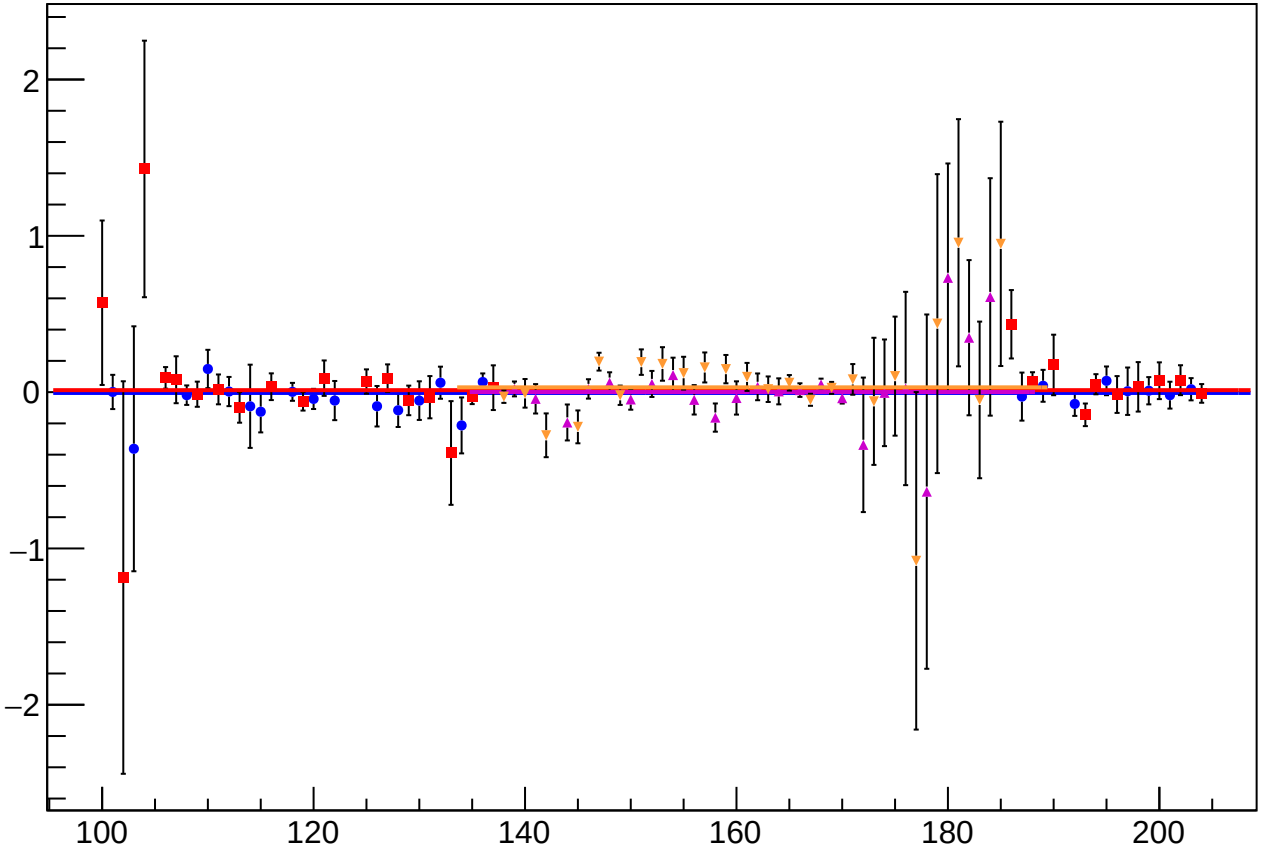
Right: 0.003+/-0.000 χ^2/NDF: 22446804.1/51

In: 0.004+/-0.000 χ^2/NDF:18630847.6/46

Out: 0.004+/-0.000 χ^2/NDF:24043497.7/51

All: 0.004+/-0.000 χ^2/NDF: 42914171.8/98

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.005+/-0.019 χ^2/NDF: 10.3/23

Left Out: 0.031+/-0.015 χ^2/NDF:41.5/23

Right Out: 0.013+/-0.017 χ^2/NDF: 25.0/27

Left In: 0.001+/-0.015 χ^2/NDF:16.0/22

Left: 0.015+/-0.011 χ^2/NDF: 59.5/46

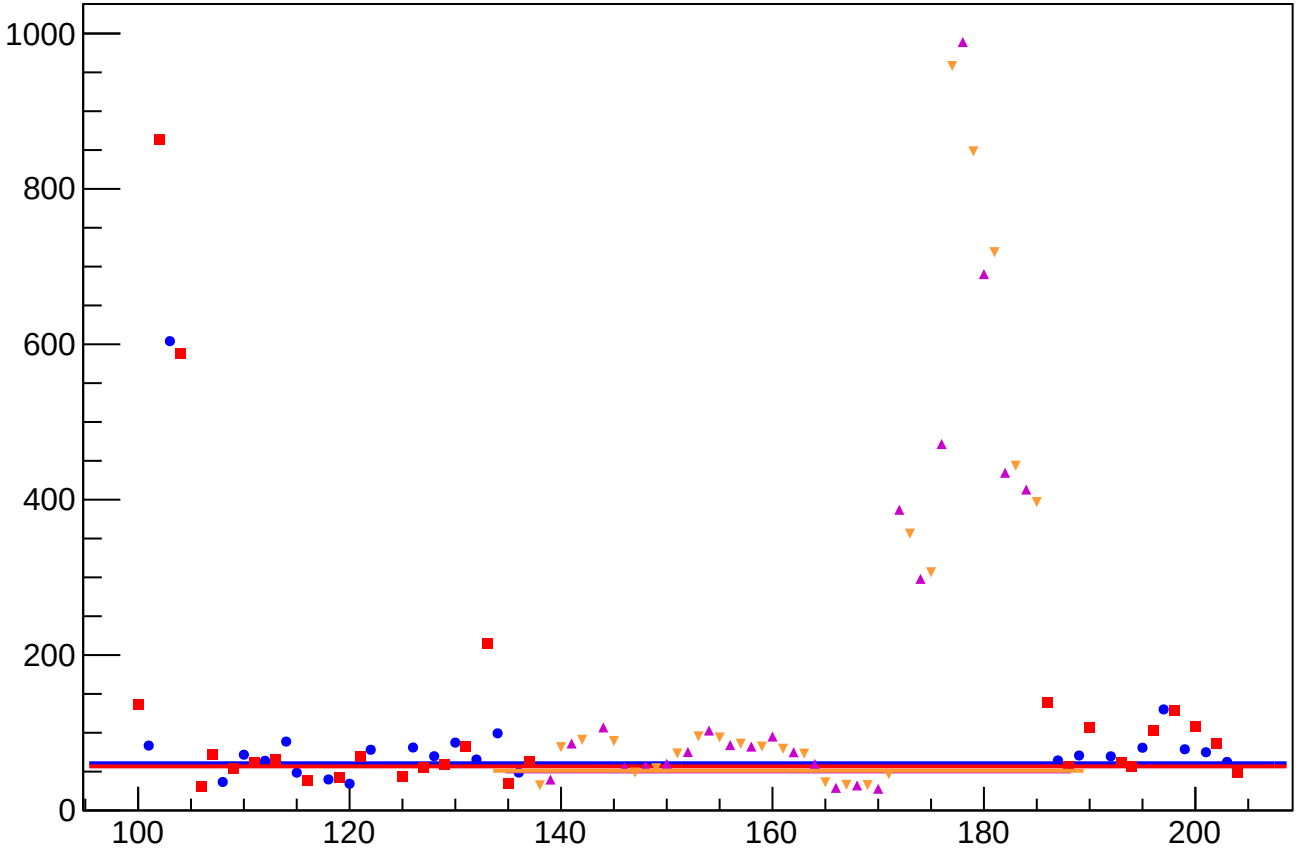
Right: 0.005+/-0.013 χ^2/NDF: 35.7/51

In: -0.002+/-0.012 χ^2/NDF:26.3/46

Out: 0.023+/-0.012 χ^2/NDF:67.1/51

All: 0.011+/-0.008 χ^2/NDF: 95.6/98

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 60.703+/-0.013 χ^2/NDF: 3088631.2/23

Left Out: 51.083+/-0.011 χ^2/NDF:11735805.5/23

Right Out: 56.752+/-0.012 χ^2/NDF: 4984953.2/27

Left In: 50.251+/-0.011 χ^2/NDF:12195665.4/22

Left: 50.661+/-0.008 χ^2/NDF: 23934407.8/46

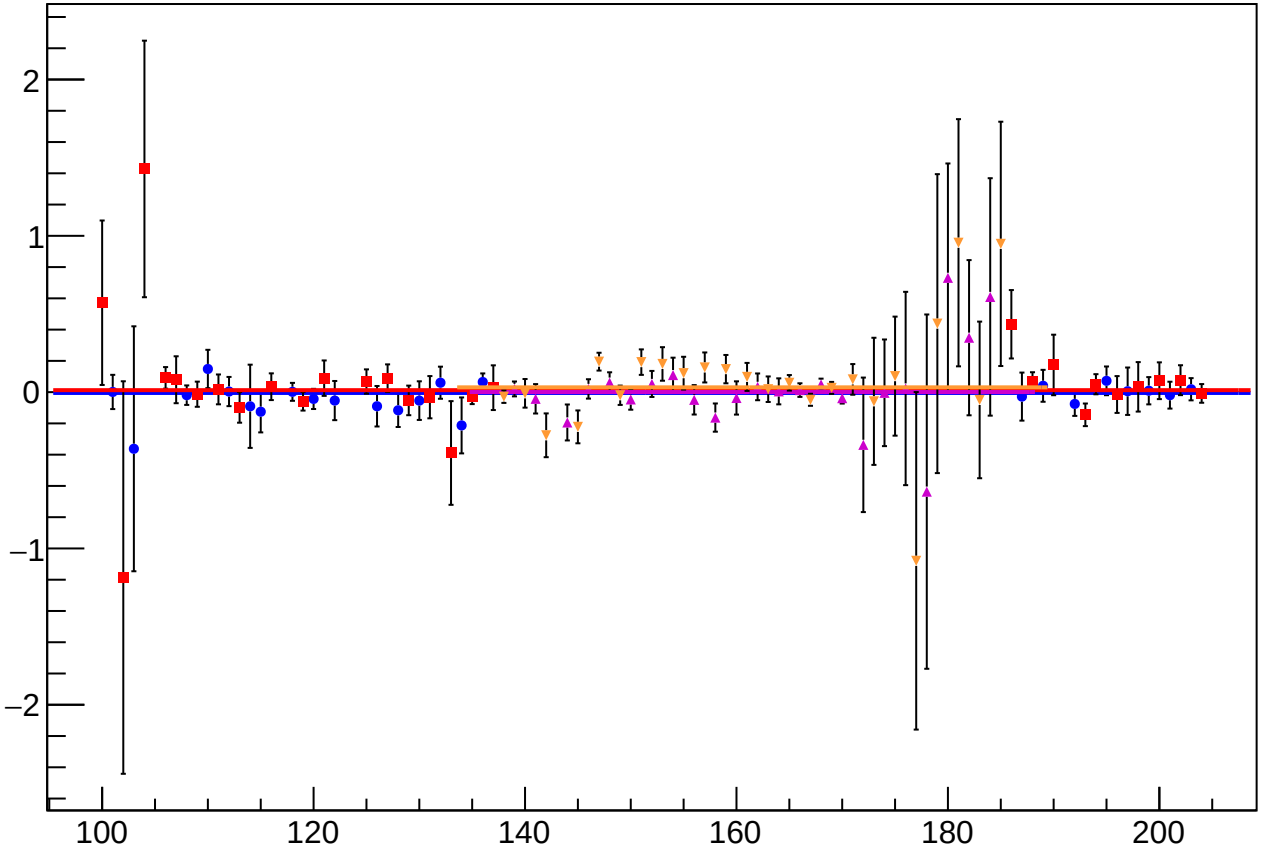
Right: 58.554+/-0.009 χ^2/NDF: 8121284.6/51

In: 54.383+/-0.008 χ^2/NDF:15655330.0/46

Out: 53.607+/-0.008 χ^2/NDF:16840284.1/51

All: 53.984+/-0.006 χ^2/NDF: 32500014.0/98

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.005+/-0.019 χ^2/NDF: 10.3/23

Left Out: 0.031+/-0.015 χ^2/NDF:41.5/23

Right Out: 0.013+/-0.017 χ^2/NDF: 25.0/27

Left In: 0.001+/-0.015 χ^2/NDF:16.0/22

Left: 0.015+/-0.011 χ^2/NDF: 59.5/46

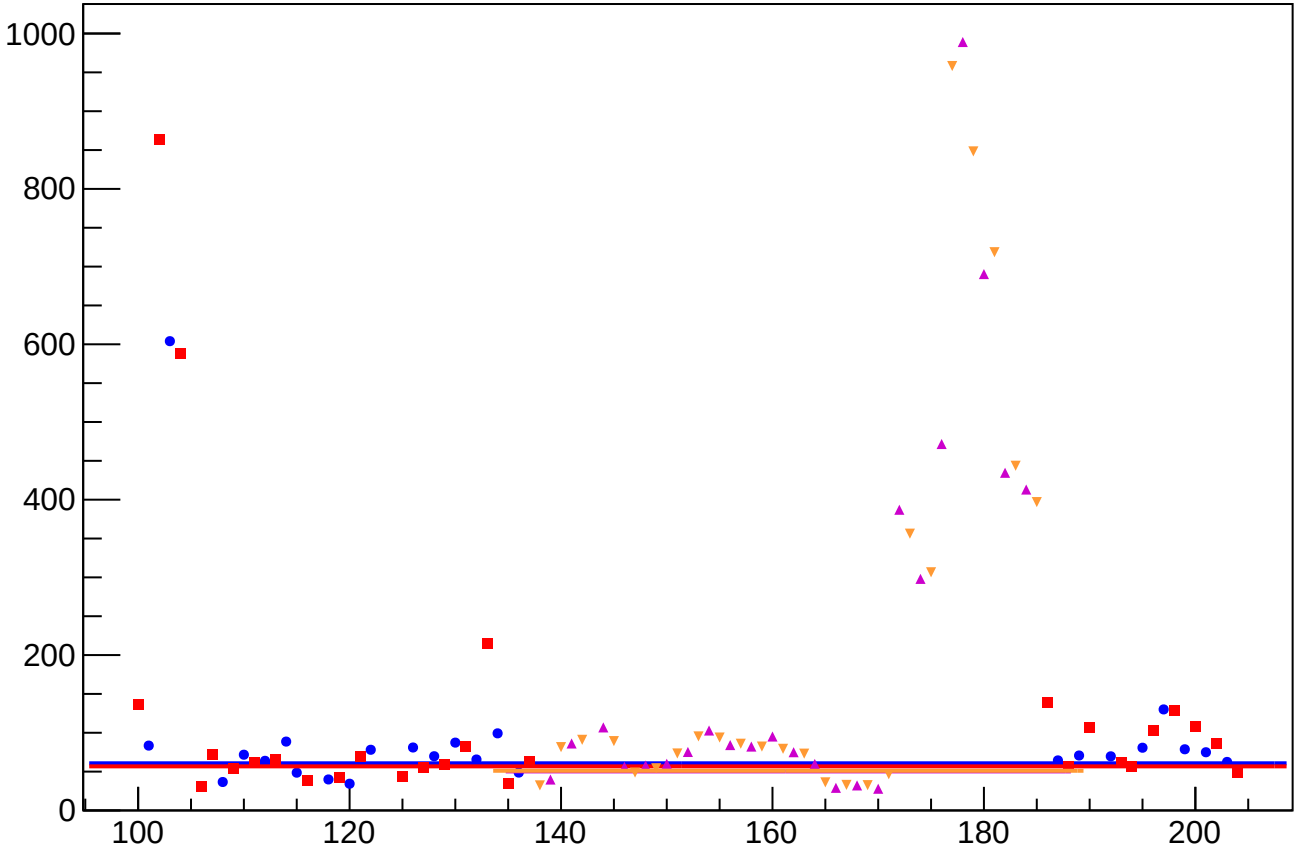
Right: 0.005+/-0.013 χ^2/NDF: 35.7/51

In: -0.002+/-0.012 χ^2/NDF:26.3/46

Out: 0.023+/-0.012 χ^2/NDF:67.1/51

All: 0.011+/-0.008 χ^2/NDF: 95.6/98

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 60.703+/-0.013 χ^2/NDF: 3088631.2/23

Left Out: 51.083+/-0.011 χ^2/NDF:11735805.5/23

Right Out: 56.752+/-0.012 χ^2/NDF: 4984953.2/27

Left In: 50.251+/-0.011 χ^2/NDF:12195665.4/22

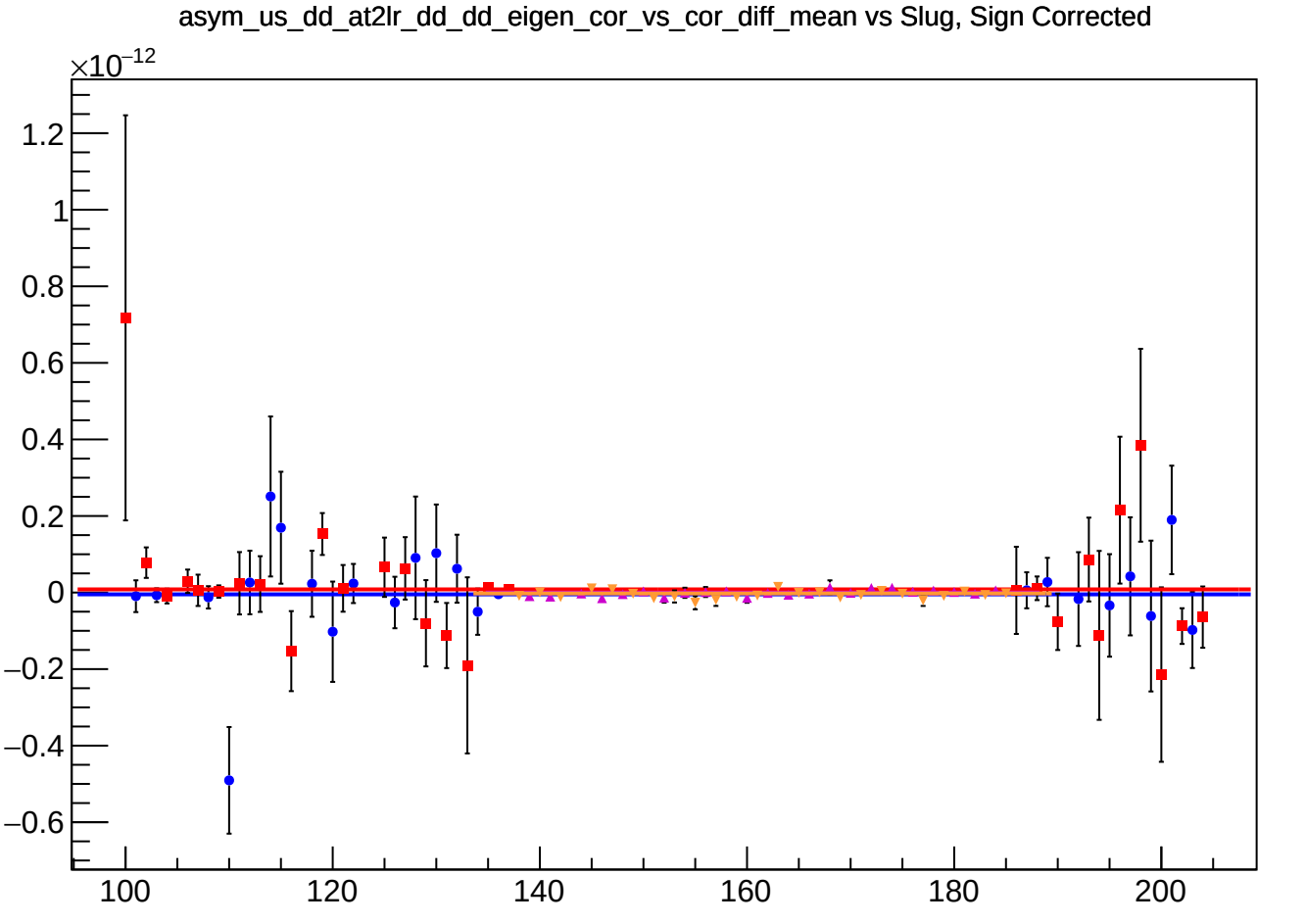
Left: 50.661+/-0.008 χ^2/NDF: 23934407.8/46

Right: 58.554+/-0.009 χ^2/NDF: 8121284.6/51

In: 54.383+/-0.008 χ^2/NDF:15655330.0/46

Out: 53.607+/-0.008 χ^2/NDF:16840284.1/51

All: 53.984+/-0.006 χ^2/NDF: 32500014.0/98



Right In: -0.000+/-0.000 χ^2/NDF: 21.9/23

Left Out: -0.000+/-0.000 χ^2/NDF:22.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 31.8/27

Left In: -0.000+/-0.000 χ^2/NDF:18.2/22

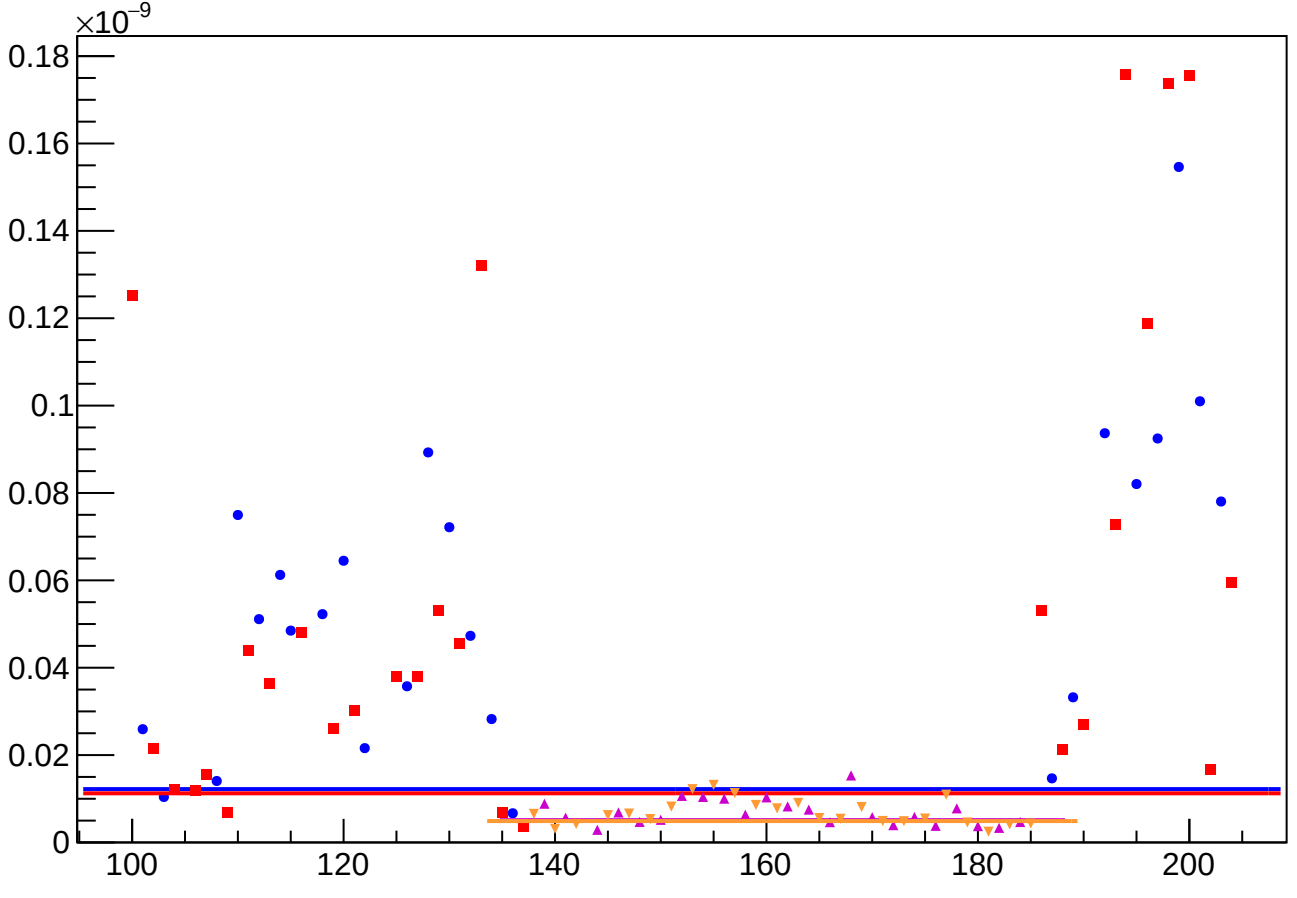
Left: -0.000+/-0.000 χ^2/NDF: 41.4/46

Right: 0.000+/-0.000 χ^2/NDF: 55.7/51

In: -0.000+/-0.000 χ^2/NDF:40.5/46

Out: -0.000+/-0.000 χ^2/NDF:56.7/51

All: -0.000+/-0.000 χ^2/NDF: 97.6/98



Right In: 0.000+/-0.000 χ^2/NDF: 9567998.8/23

Left Out: 0.000+/-0.000 χ^2/NDF:4312108.9/23

Right Out: 0.000+/-0.000 χ^2/NDF: 9754300.4/27

Left In: 0.000+/-0.000 χ^2/NDF:3777059.0/22

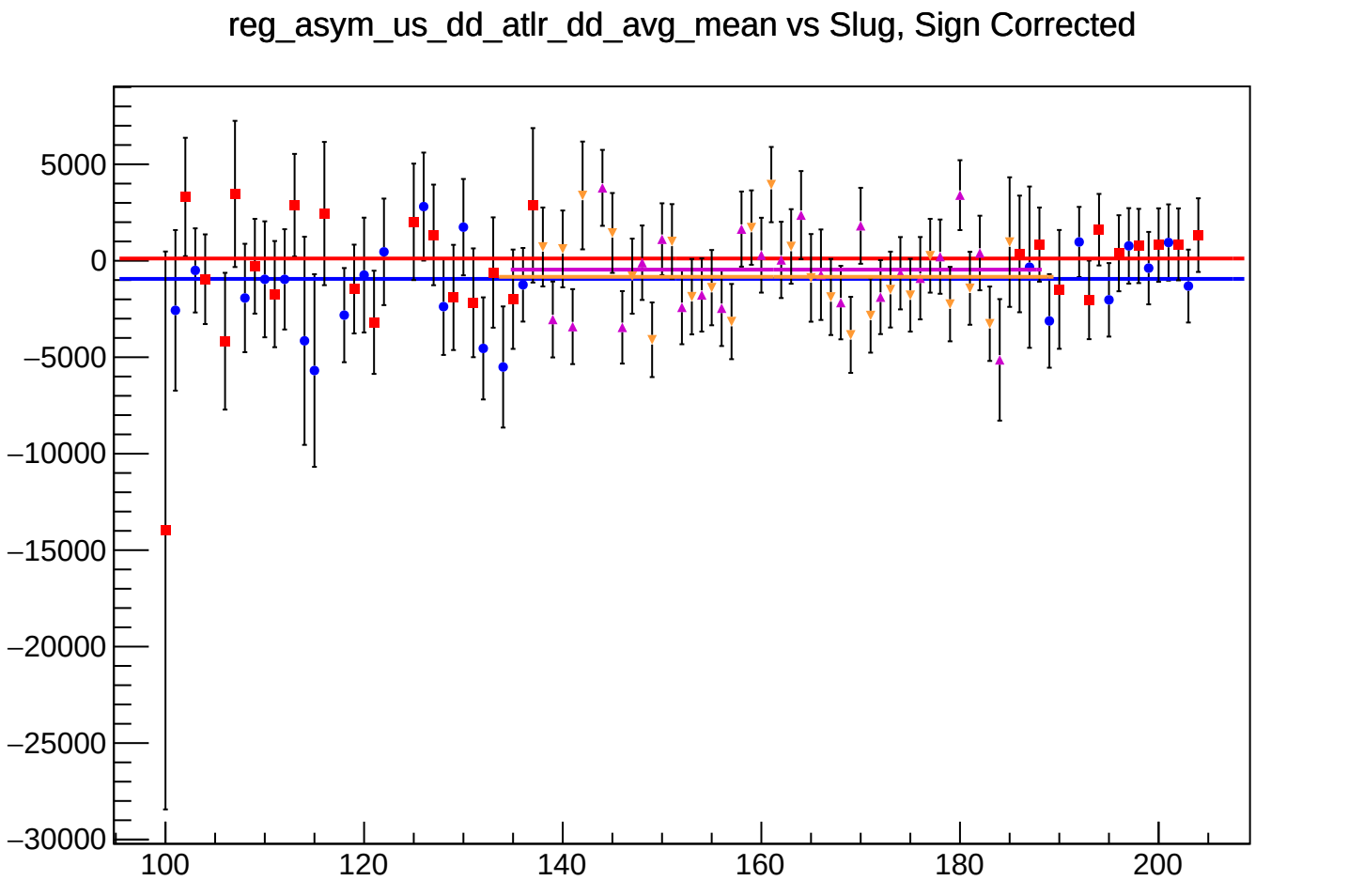
Left: 0.000+/-0.000 χ^2/NDF: 8107483.0/46

Right: 0.000+/-0.000 χ^2/NDF: 19344635.0/51

In: 0.000+/-0.000 χ^2/NDF:15493318.3/46

Out: 0.000+/-0.000 χ^2/NDF:16052506.2/51

All: 0.000+/-0.000 χ^2/NDF: 31567707.0/98



Right In: -938.829+/-500.438 χ^2/NDF: 13.8/23

Left Out: -832.582+/-410.448 χ^2/NDF:25.4/23

Right Out: 116.569+/-470.345 χ^2/NDF: 14.5/27

Left In: -459.594+/-413.637 χ^2/NDF:27.3/22

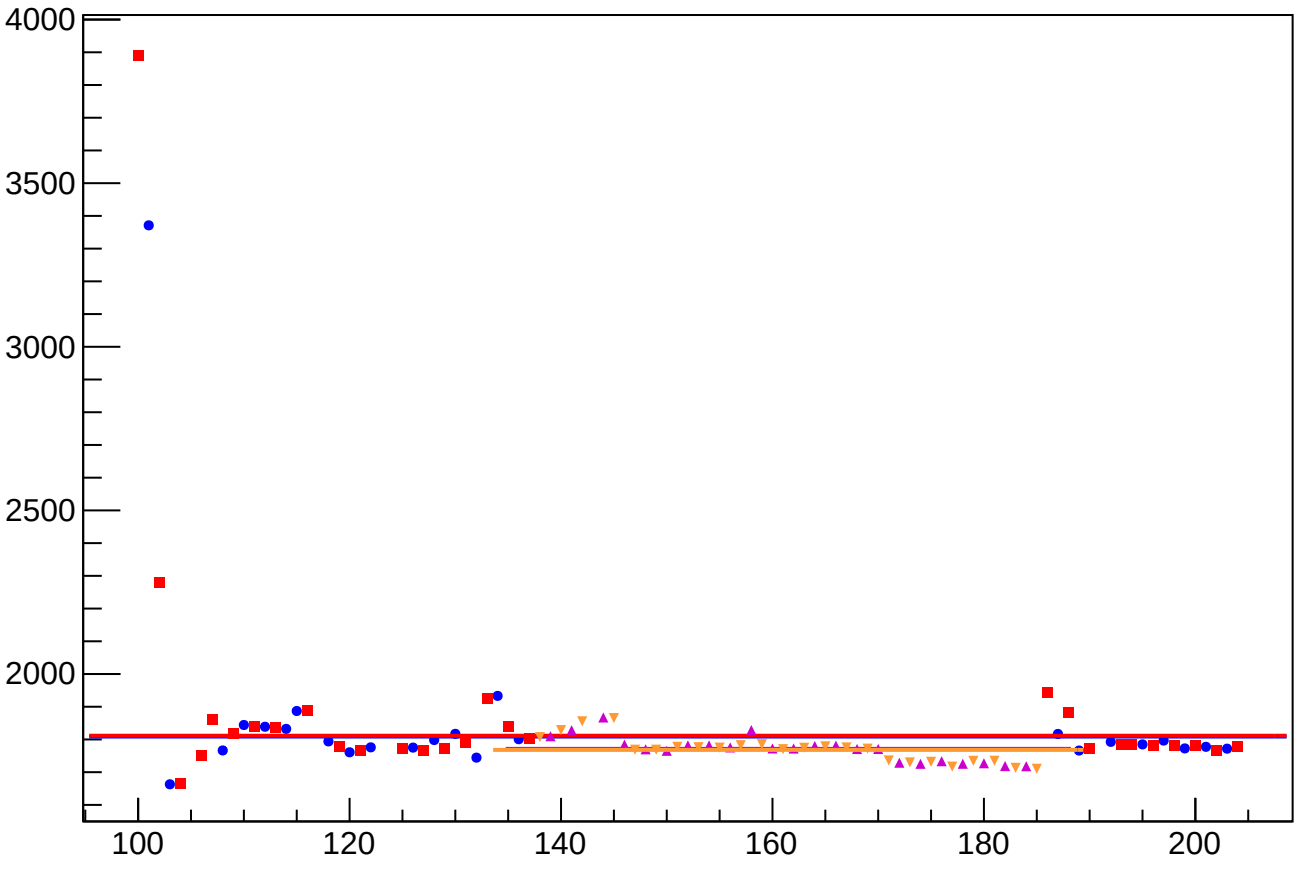
Left: -647.532+/-291.352 χ^2/NDF: 53.1/46

Right: -378.446+/-342.729 χ^2/NDF: 30.6/51

In: -654.110+/-318.826 χ^2/NDF:41.6/46

Out: -422.256+/-309.253 χ^2/NDF:42.2/51

All: -534.650+/-221.982 χ^2/NDF: 84.1/98



Right In: 1809.000+/-0.354 χ^2/NDF: 301077.7/23

Left Out: 1768.125+/-0.290 χ^2/NDF:16358.2/23

Right Out: 1811.376+/-0.333 χ^2/NDF: 114930.7/27

Left In: 1771.217+/-0.292 χ^2/NDF:16425.7/22

Left: 1769.659+/-0.206 χ^2/NDF: 32840.2/46

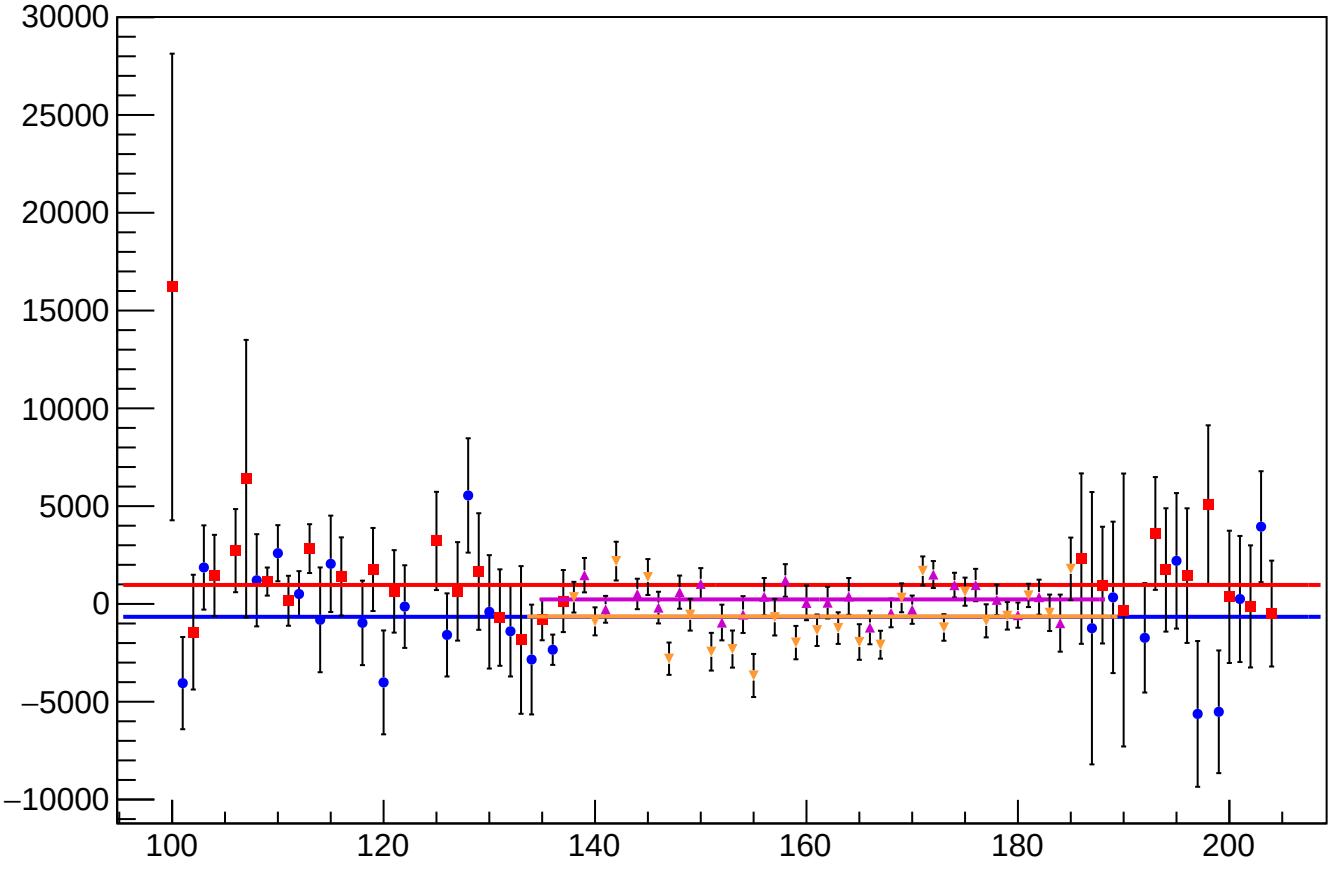
Right: 1810.262+/-0.242 χ^2/NDF: 416032.3/51

In: 1786.553+/-0.225 χ^2/NDF:324276.6/46

Out: 1786.823+/-0.219 χ^2/NDF:140889.2/51

All: 1786.692+/-0.157 χ^2/NDF: 465166.5/98

asym_us_dd_atlr_dd_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -658.747+/-414.935 χ^2/NDF: 31.0/23

Left Out: -641.029+/-166.449 χ^2/NDF:66.7/23

Right Out: 970.612+/-369.136 χ^2/NDF: 14.1/27

Left In: 230.653+/-168.319 χ^2/NDF:19.9/22

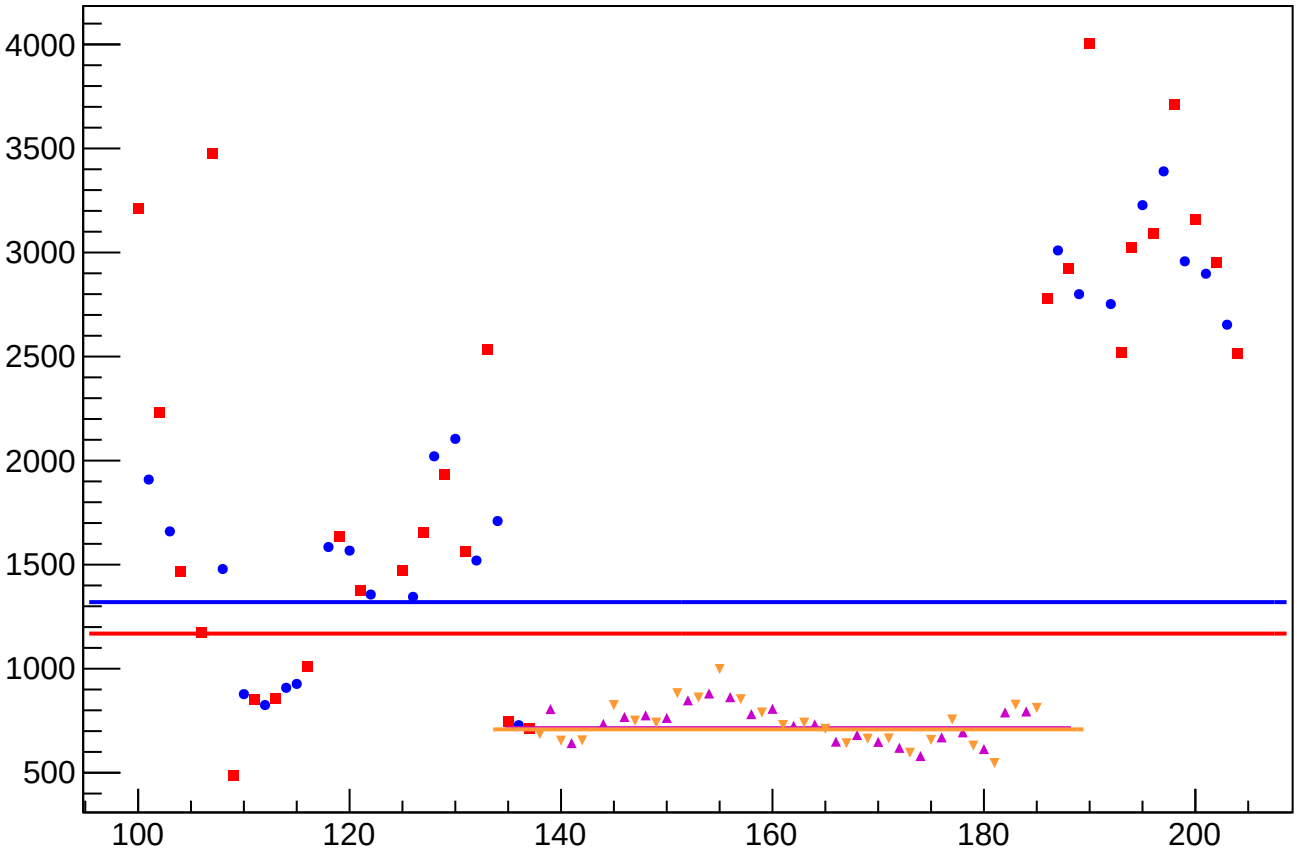
Left: -210.057+/-118.353 χ^2/NDF: 100.2/46

Right: 250.783+/-275.795 χ^2/NDF: 53.7/51

In: 104.979+/-155.975 χ^2/NDF:54.9/46

Out: -368.711+/-151.737 χ^2/NDF:96.6/51

All: -138.389+/-108.761 χ^2/NDF: 156.2/98



Right In: 1319.913+/-0.293 χ^2/NDF: 5983139.3/23

Left Out: 708.503+/-0.118 χ^2/NDF:700473.3/23

Right Out: 1168.716+/-0.261 χ^2/NDF: 9467265.8/27

Left In: 714.162+/-0.119 χ^2/NDF:497246.5/22

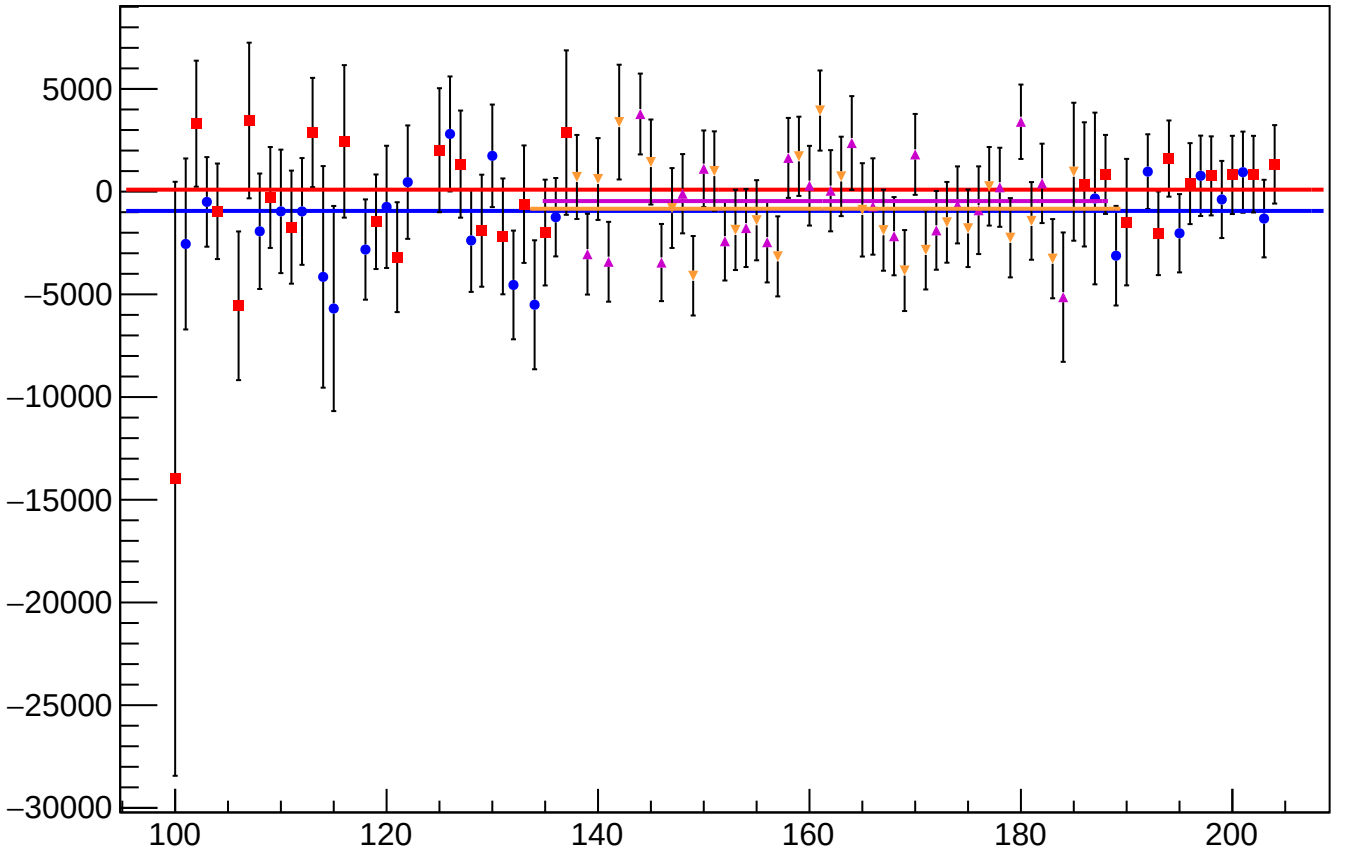
Left: 711.301+/-0.084 χ^2/NDF: 1198862.9/46

Right: 1235.513+/-0.195 χ^2/NDF: 15598641.8/51

In: 799.756+/-0.110 χ^2/NDF:10140531.6/46

Out: 786.264+/-0.107 χ^2/NDF:12751147.0/51

All: 792.824+/-0.077 χ^2/NDF: 22899366.1/98



Right In: -938.531+/-500.438 χ^2/NDF: 13.8/23

Left Out: -832.476+/-410.448 χ^2/NDF:25.4/23

Right Out: 96.238+/-470.514 χ^2/NDF: 15.5/27

Left In: -459.554+/-413.637 χ^2/NDF:27.3/22

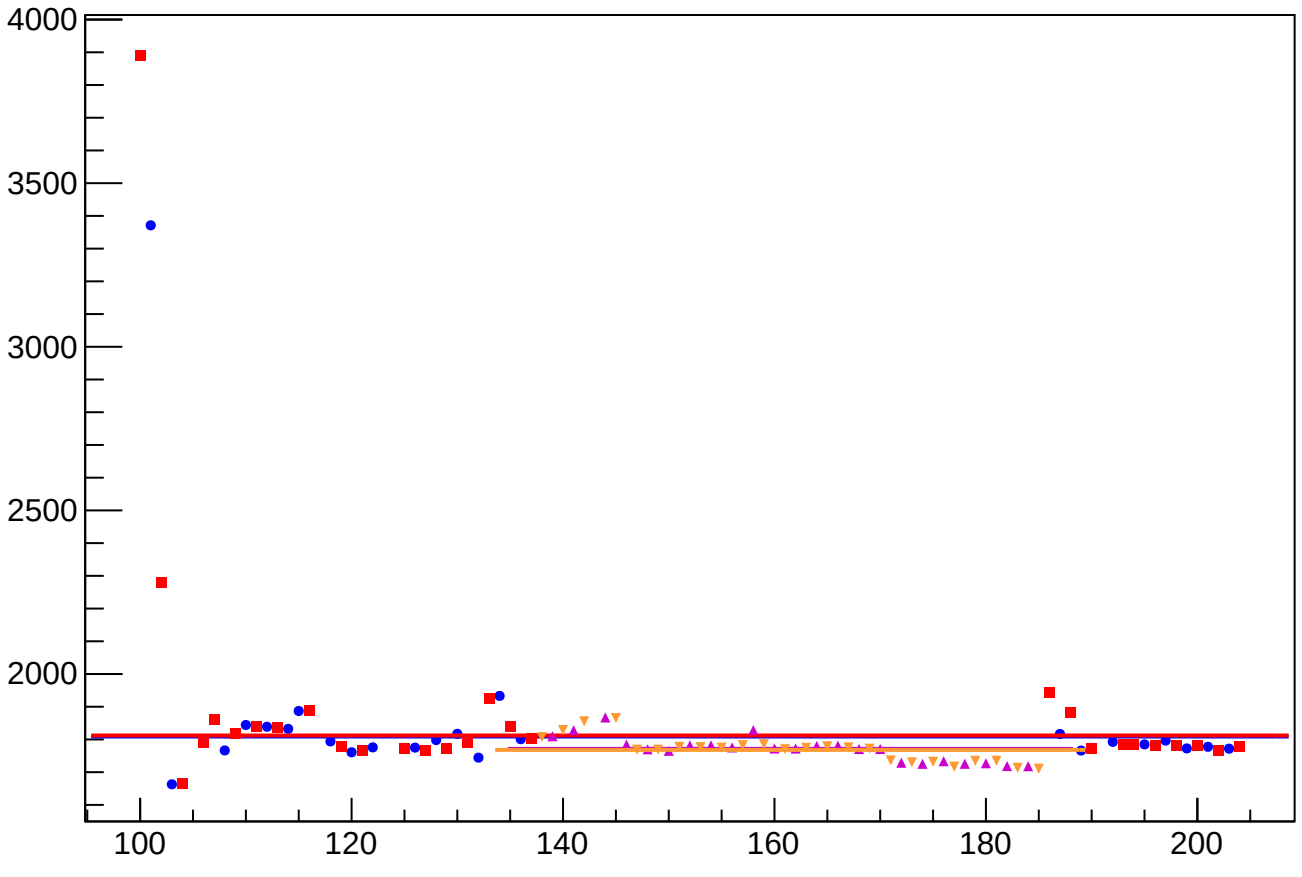
Left: -647.458+/-291.352 χ^2/NDF: 53.1/46

Right: -389.286+/-342.795 χ^2/NDF: 31.5/51

In: -653.965+/-318.826 χ^2/NDF:41.6/46

Out: -431.148+/-309.301 χ^2/NDF:43.1/51

All: -539.179+/-222.000 χ^2/NDF: 84.9/98



Right In: 1809.000+/-0.354 χ^2/NDF: 301079.6/23

Left Out: 1768.125+/-0.290 χ^2/NDF:16358.2/23

Right Out: 1812.110+/-0.333 χ^2/NDF: 114398.4/27

Left In: 1771.217+/-0.292 χ^2/NDF:16425.7/22

Left: 1769.659+/-0.206 χ^2/NDF: 32840.2/46

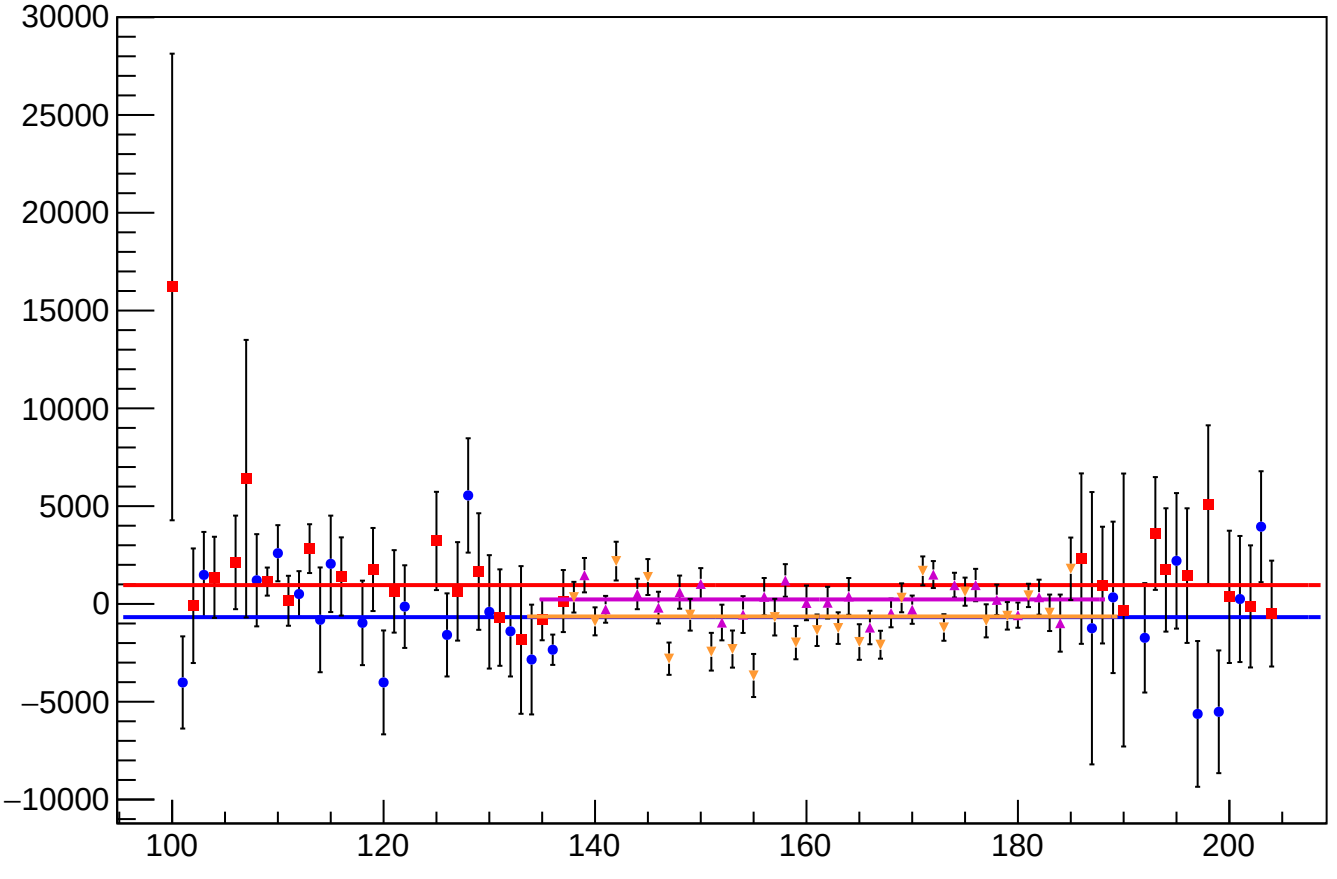
Right: 1810.651+/-0.242 χ^2/NDF: 415519.0/51

In: 1786.553+/-0.225 χ^2/NDF:324278.4/46

Out: 1787.133+/-0.219 χ^2/NDF:140681.8/51

All: 1786.852+/-0.157 χ^2/NDF: 464963.6/98

asym_us_dd_atlr_dd_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -675.149+/-415.241 χ^2/NDF: 30.6/23

Left Out: -641.004+/-166.450 χ^2/NDF:66.7/23

Right Out: 963.188+/-370.286 χ^2/NDF: 13.1/27

Left In: 230.572+/-168.320 χ^2/NDF:19.9/22

Left: -210.085+/-118.354 χ^2/NDF: 100.2/46

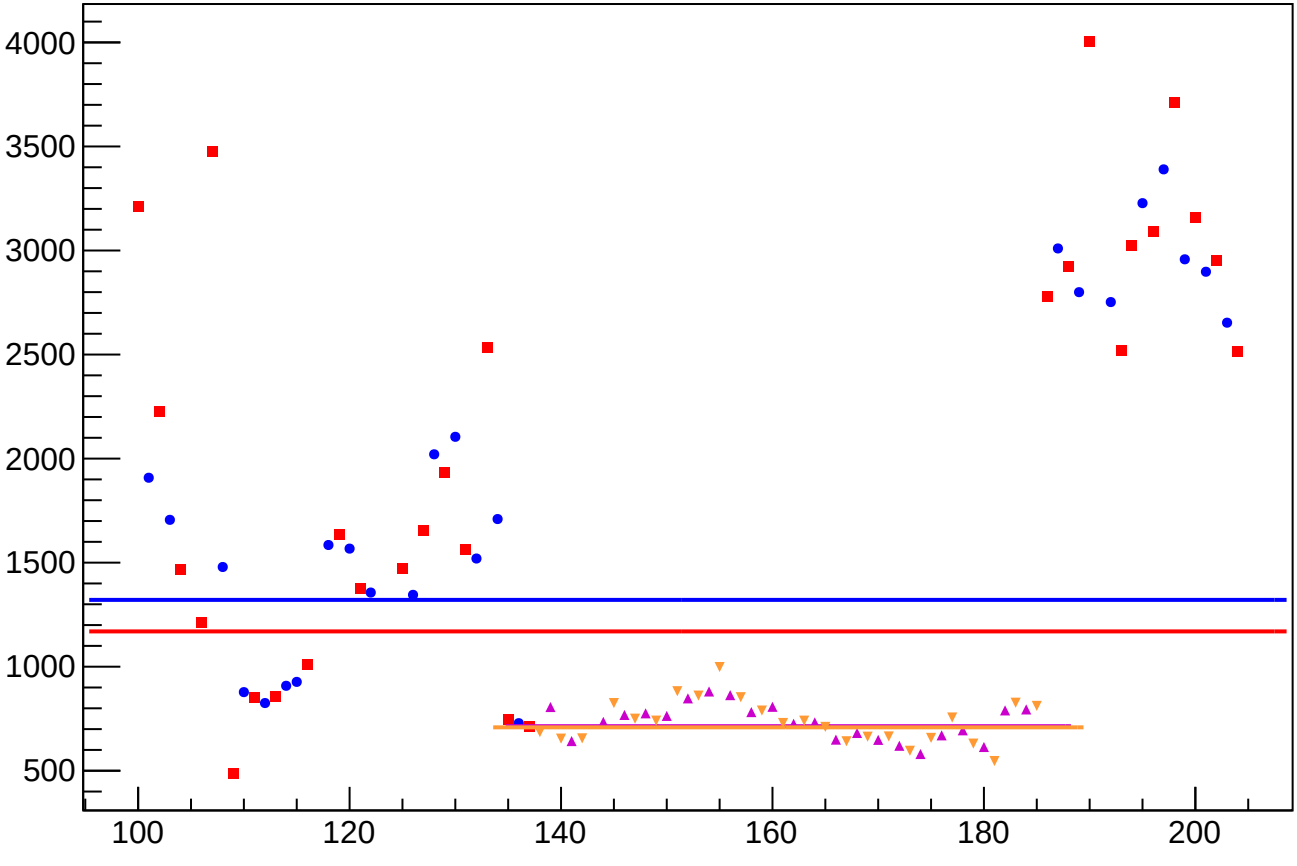
Right: 237.475+/-276.364 χ^2/NDF: 52.3/51

In: 102.753+/-155.992 χ^2/NDF:54.6/46

Out: -371.340+/-151.817 χ^2/NDF:95.3/51

All: -140.723+/-108.797 χ^2/NDF: 154.7/98

asym_us_dd_atlr_dd_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 1321.043+/-0.294 χ^2/NDF: 5994561.4/23

Left Out: 708.508+/-0.118 χ^2/NDF:700448.7/23

Right Out: 1169.570+/-0.262 χ^2/NDF: 9466796.6/27

Left In: 714.168+/-0.119 χ^2/NDF:497252.3/22

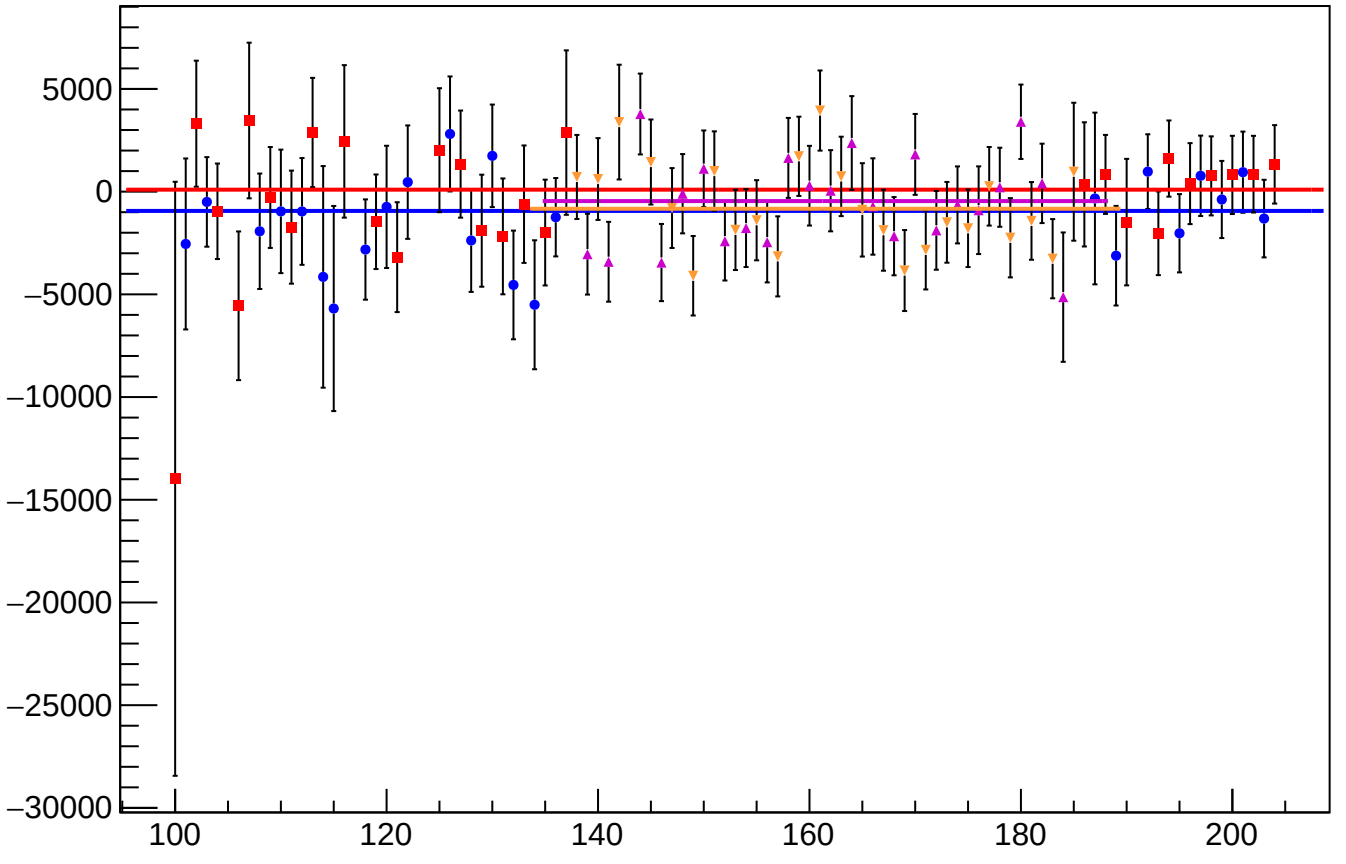
Left: 711.307+/-0.084 χ^2/NDF: 1198844.2/46

Right: 1236.666+/-0.195 χ^2/NDF: 15609605.3/51

In: 799.813+/-0.110 χ^2/NDF:10160891.0/46

Out: 786.013+/-0.107 χ^2/NDF:12746798.7/51

All: 792.726+/-0.077 χ^2/NDF: 22915728.7/98



Right In: -938.531+/-500.438 χ^2/NDF: 13.8/23

Left Out: -832.476+/-410.448 χ^2/NDF:25.4/23

Right Out: 96.238+/-470.514 χ^2/NDF: 15.5/27

Left In: -459.554+/-413.637 χ^2/NDF:27.3/22

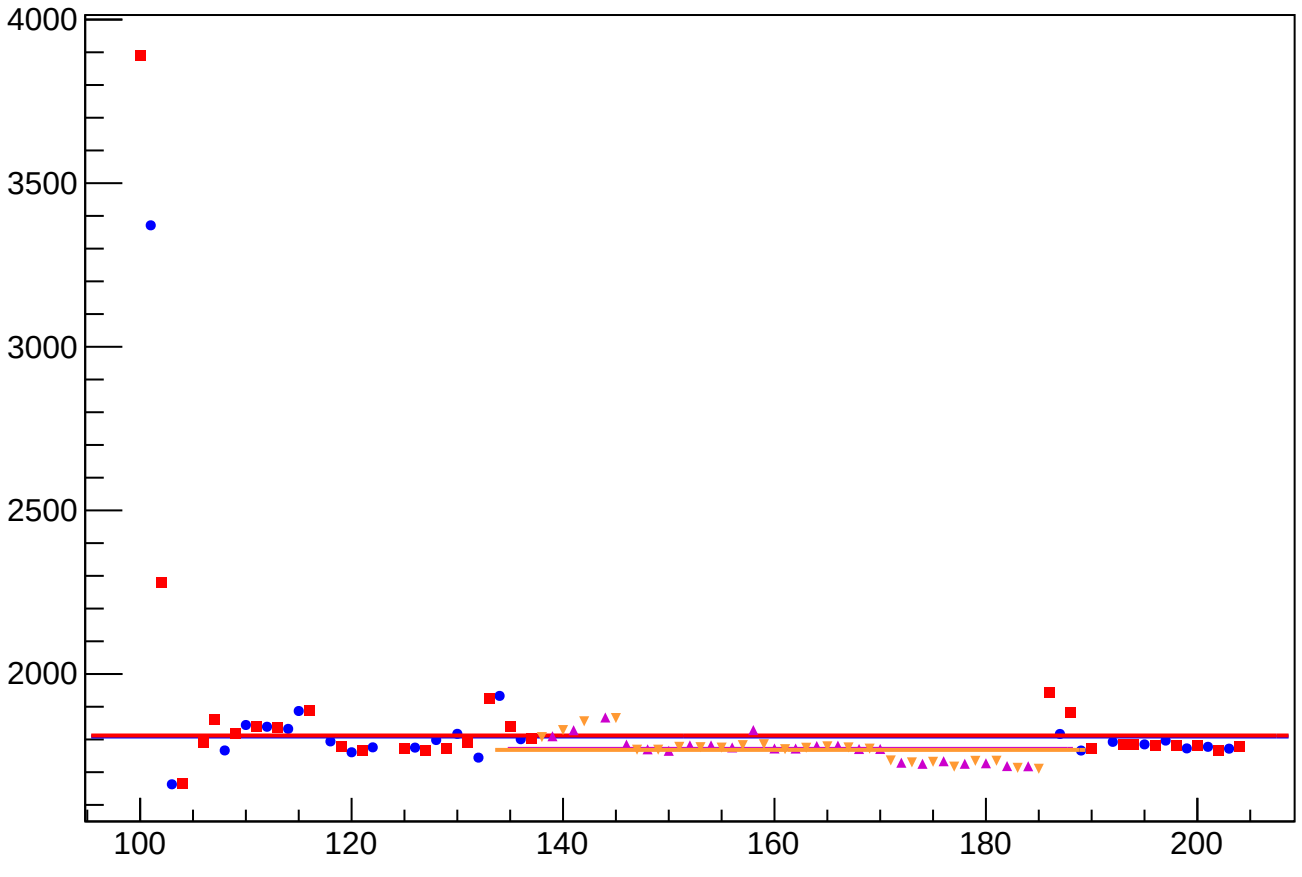
Left: -647.458+/-291.352 χ^2/NDF: 53.1/46

Right: -389.286+/-342.795 χ^2/NDF: 31.5/51

In: -653.965+/-318.826 χ^2/NDF:41.6/46

Out: -431.148+/-309.301 χ^2/NDF:43.1/51

All: -539.179+/-222.000 χ^2/NDF: 84.9/98



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Left Out: 1768.125+/-0.290 χ^2/NDF:16358.2/23

Right Out: 1812.110+/-0.333 χ^2/NDF: 114398.4/27

Left In: 1771.217+/-0.292 χ^2/NDF:16425.7/22

Left: 1769.659+/-0.206 χ^2/NDF: 32840.2/46

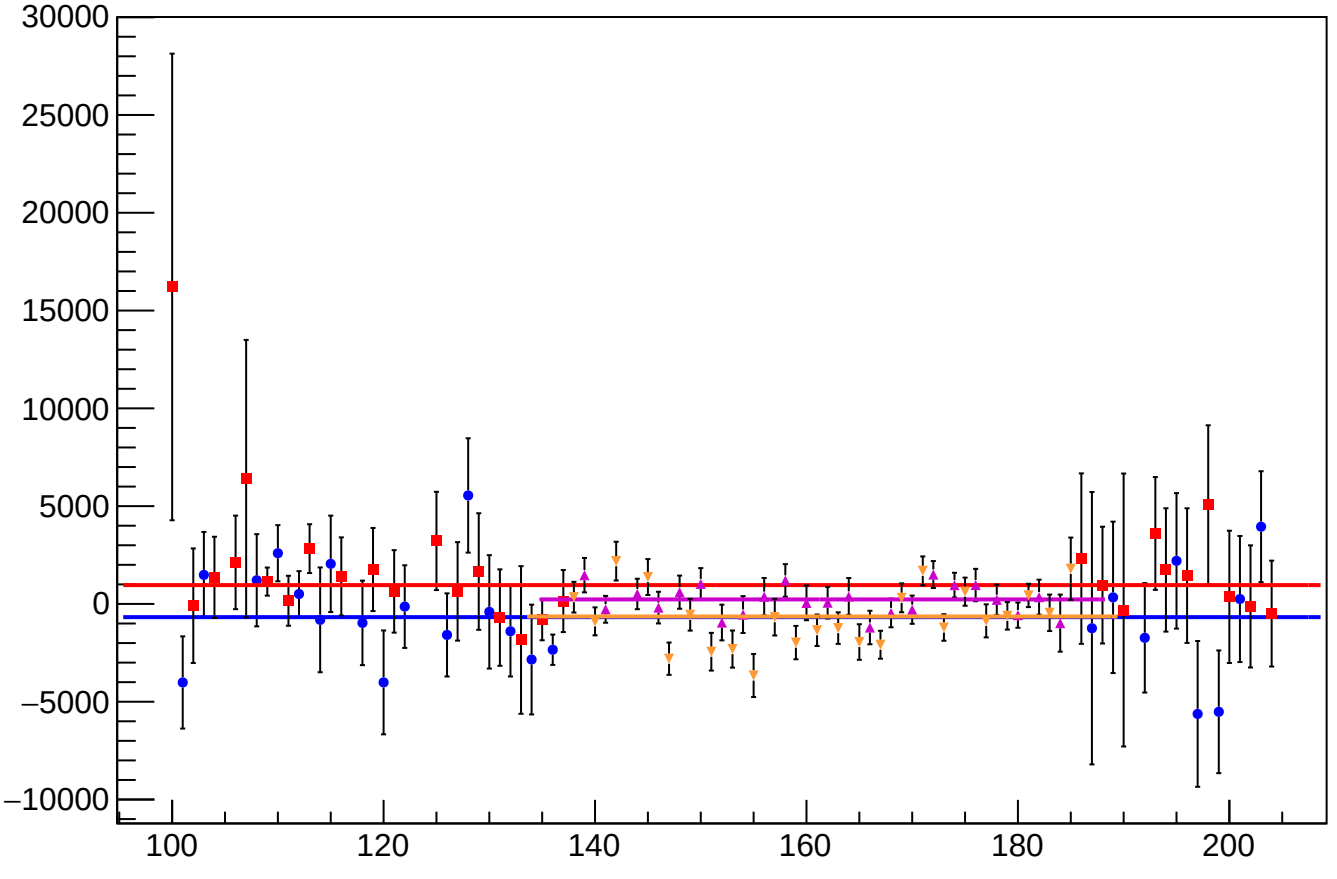
Right: 1810.651+/-0.242 χ^2/NDF: 415519.0/51

In: 1786.553+/-0.225 χ^2/NDF:324278.4/46

Out: 1787.133+/-0.219 χ^2/NDF:140681.8/51

All: 1786.852+/-0.157 χ^2/NDF: 464963.6/98

asym_us_dd_atlr_dd_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -675.149+/-415.241 χ^2/NDF: 30.6/23

Left Out: -641.004+/-166.450 χ^2/NDF:66.7/23

Right Out: 963.188+/-370.286 χ^2/NDF: 13.1/27

Left In: 230.572+/-168.320 χ^2/NDF:19.9/22

Left: -210.085+/-118.354 χ^2/NDF: 100.2/46

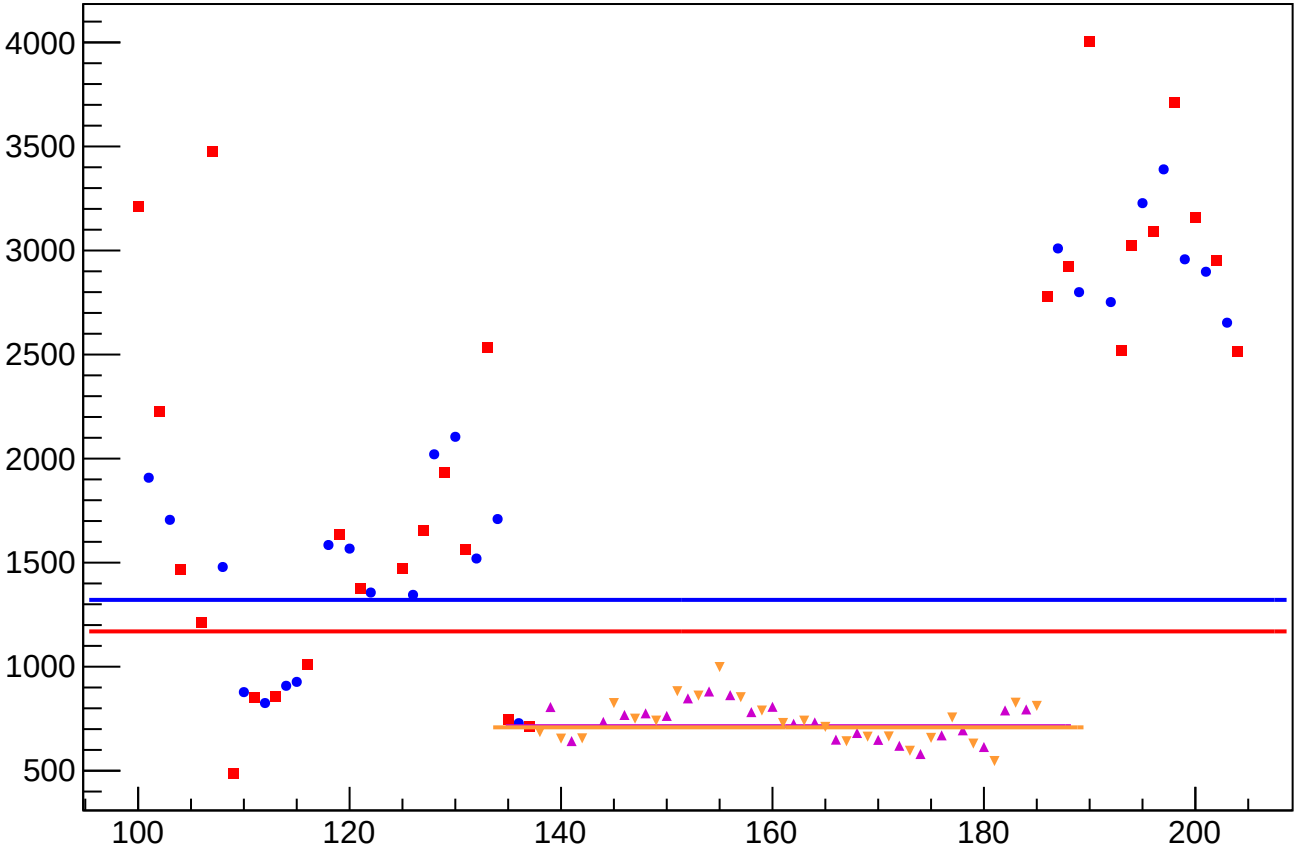
Right: 237.475+/-276.364 χ^2/NDF: 52.3/51

In: 102.753+/-155.992 χ^2/NDF:54.6/46

Out: -371.340+/-151.817 χ^2/NDF:95.3/51

All: -140.723+/-108.797 χ^2/NDF: 154.7/98

asym_us_dd_atlr_dd_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1321.043+/-0.294 χ^2/NDF: 5994561.4/23

Left Out: 708.508+/-0.118 χ^2/NDF:700448.7/23

Right Out: 1169.570+/-0.262 χ^2/NDF: 9466796.6/27

Left In: 714.168+/-0.119 χ^2/NDF:497252.3/22

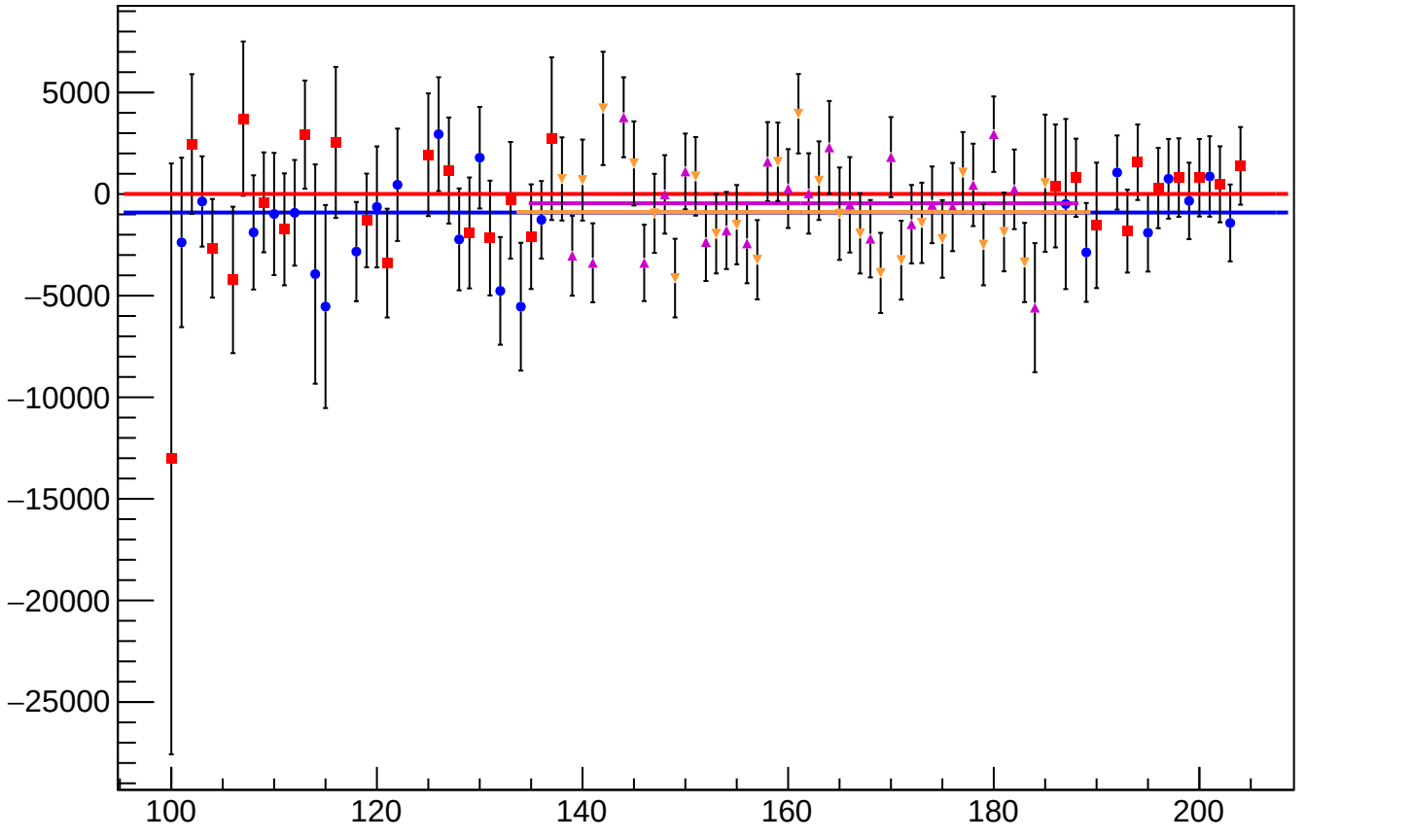
Left: 711.307+/-0.084 χ^2/NDF: 1198844.2/46

Right: 1236.666+/-0.195 χ^2/NDF: 15609605.3/51

In: 799.813+/-0.110 χ^2/NDF:10160891.0/46

Out: 786.013+/-0.107 χ^2/NDF:12746798.7/51

All: 792.726+/-0.077 χ^2/NDF: 22915728.7/98



Right In: -907.949+/-501.745 χ^2/NDF: 13.8/23

Left Out: -886.354+/-413.227 χ^2/NDF:28.1/23

Right Out: 6.503+/-473.117 χ^2/NDF: 14.6/27

Left In: -453.237+/-416.200 χ^2/NDF:25.8/22

Left: -671.348+/-293.241 χ^2/NDF: 54.5/46

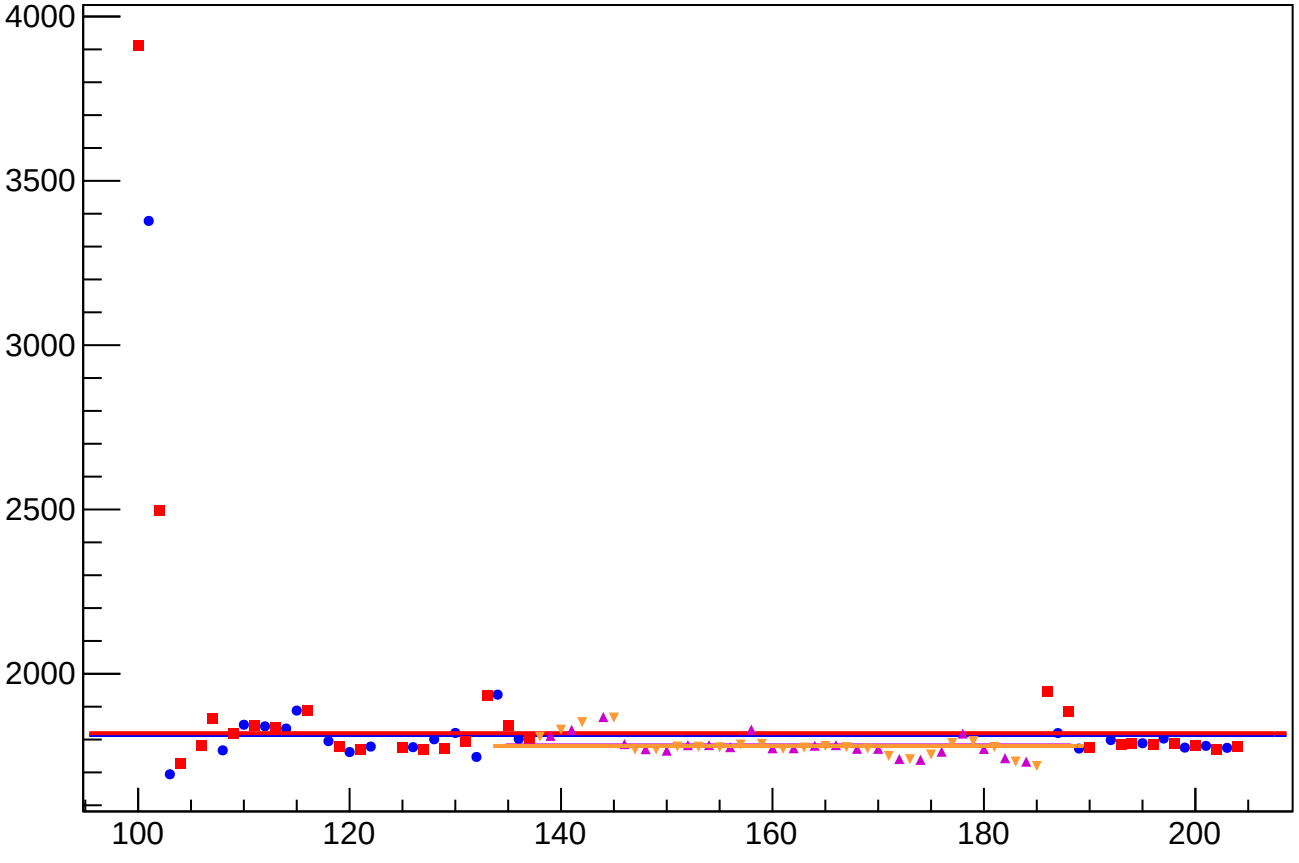
Right: -423.892+/-344.220 χ^2/NDF: 30.2/51

In: -638.582+/-320.336 χ^2/NDF:40.1/46

Out: -499.981+/-311.229 χ^2/NDF:44.8/51

All: -567.284+/-223.223 χ^2/NDF: 85.0/98

dit_asym_us_dd_atlr_dd_avg_rms vs Slug, Sign Corrected



Right In: 1813.785+/-0.355 χ^2/NDF: 297833.3/23

Left Out: 1780.220+/-0.292 χ^2/NDF:10380.2/23

Right Out: 1819.357+/-0.335 χ^2/NDF: 141316.6/27

Left In: 1782.298+/-0.294 χ^2/NDF:11232.1/22

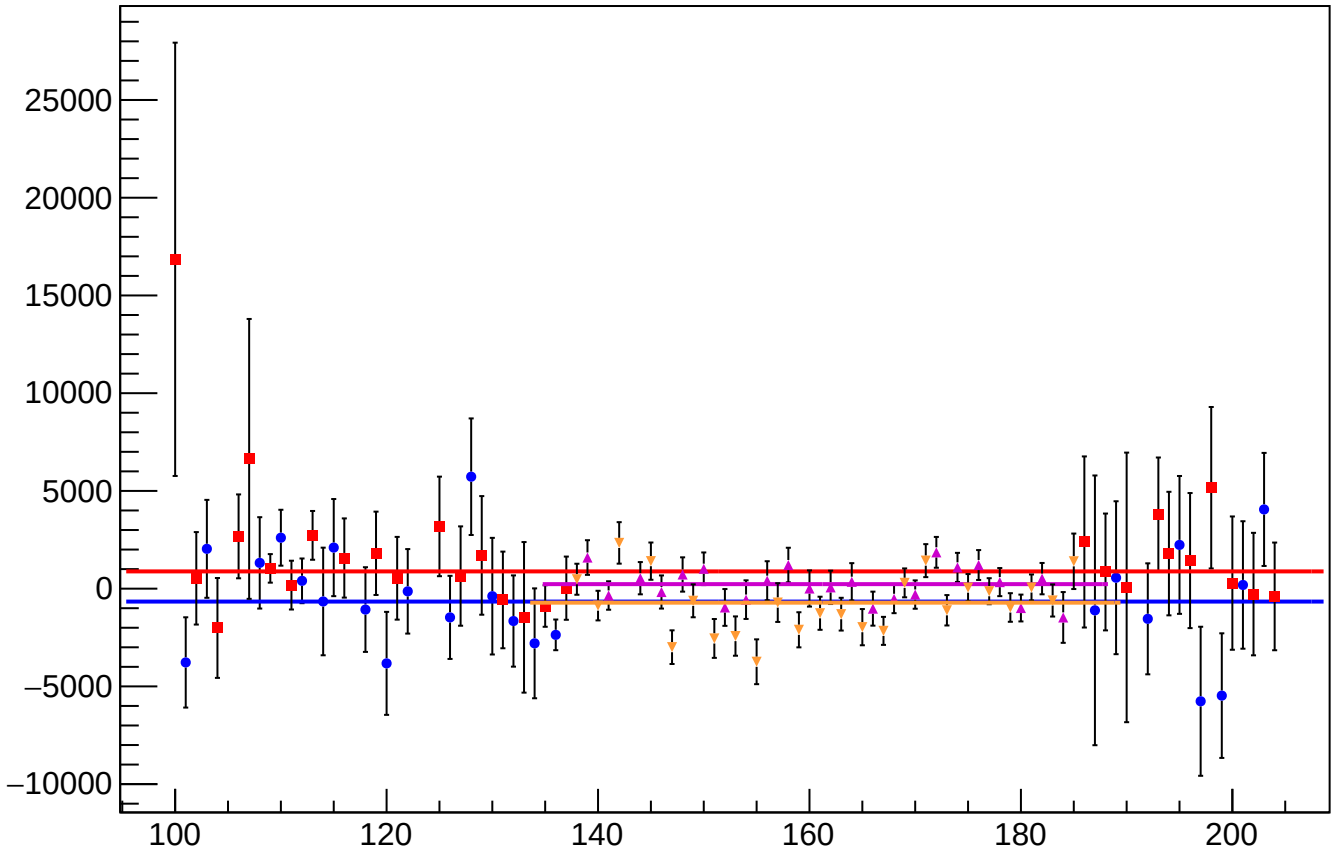
Left: 1781.252+/-0.207 χ^2/NDF: 21637.4/46

Right: 1816.734+/-0.243 χ^2/NDF: 439280.5/51

In: 1795.132+/-0.227 χ^2/NDF:313731.2/46

Out: 1797.156+/-0.220 χ^2/NDF:159460.0/51

All: 1796.174+/-0.158 χ^2/NDF: 473232.3/98



Right In: -660.904+/-418.814 χ^2/NDF: 30.4/23

Left Out: -716.600+/-170.602 χ^2/NDF:59.4/23

Right Out: 882.750+/-372.600 χ^2/NDF: 15.0/27

Left In: 231.320+/-173.436 χ^2/NDF:24.1/22

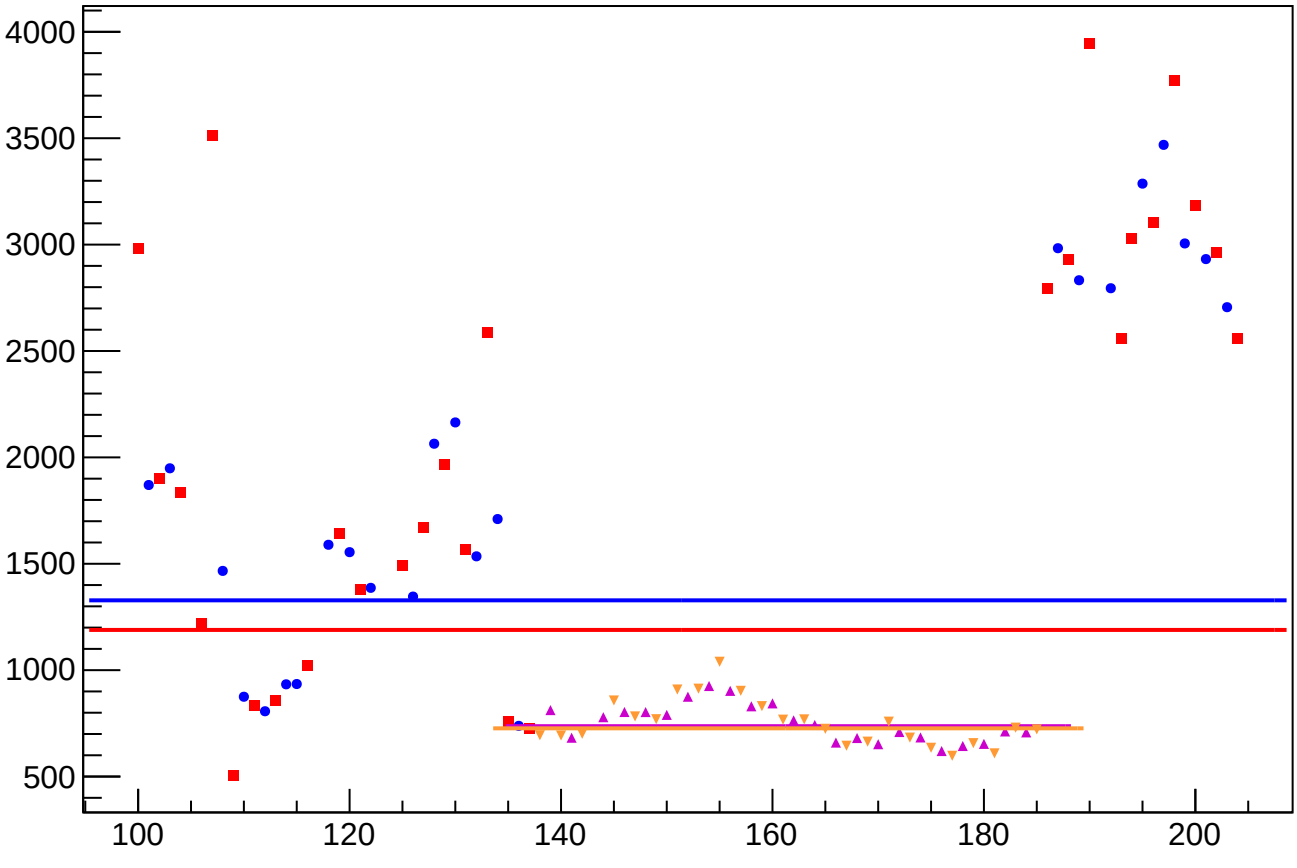
Left: -250.446+/-121.623 χ^2/NDF: 98.6/46

Right: 200.757+/-278.379 χ^2/NDF: 53.0/51

In: 100.712+/-160.239 χ^2/NDF:58.4/46

Out: -439.414+/-155.116 χ^2/NDF:89.5/51

All: -178.124+/-111.451 χ^2/NDF: 153.8/98



Right In: 1328.165+/-0.296 χ^2/NDF: 6138481.4/23

Left Out: 726.604+/-0.121 χ^2/NDF:684784.1/23

Right Out: 1189.056+/-0.263 χ^2/NDF: 9384780.8/27

Left In: 736.709+/-0.123 χ^2/NDF:465041.6/22

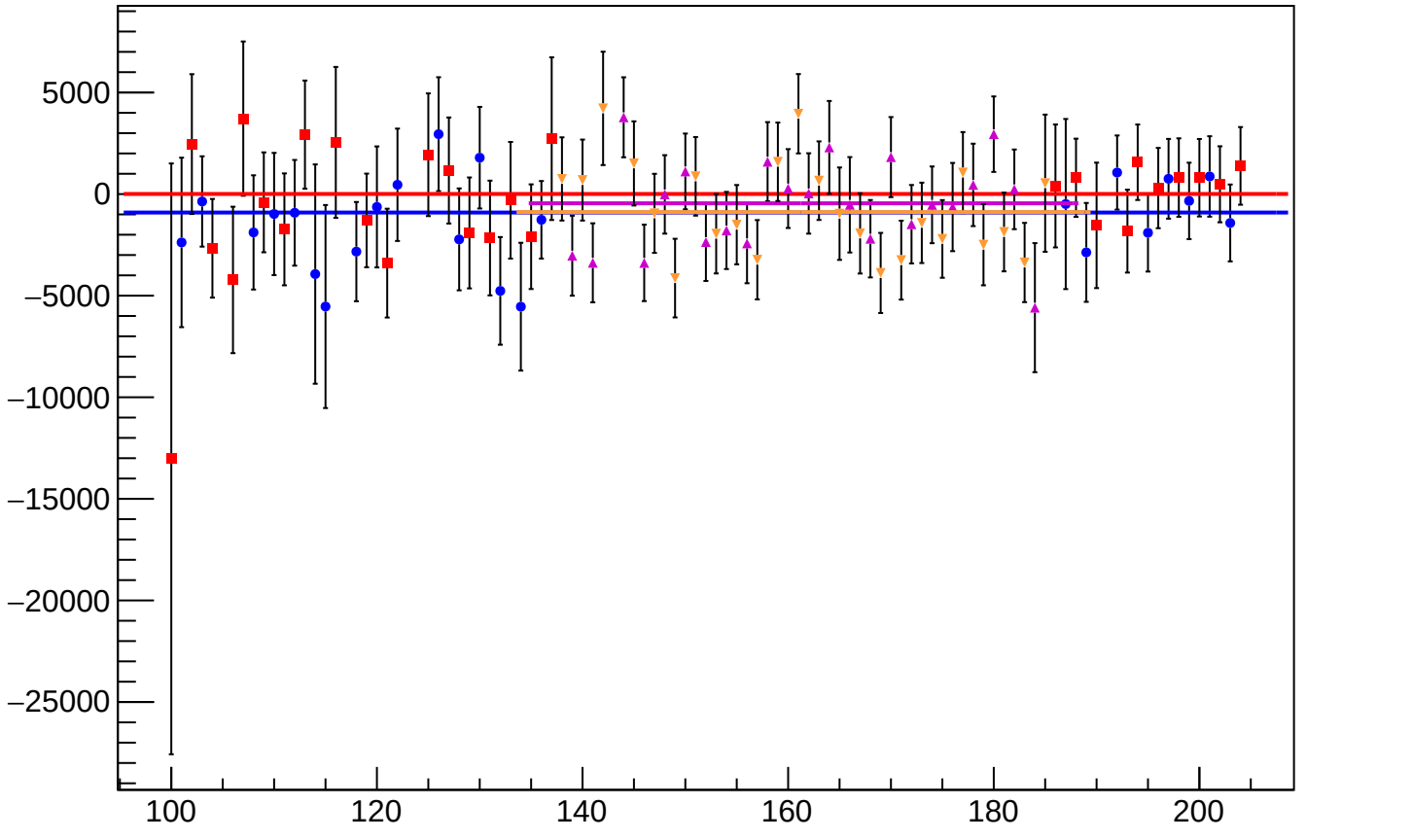
Left: 731.574+/-0.086 χ^2/NDF: 1153276.2/46

Right: 1250.515+/-0.197 χ^2/NDF: 15646426.4/51

In: 823.290+/-0.113 χ^2/NDF:10008344.5/46

Out: 806.752+/-0.110 χ^2/NDF:12616504.6/51

All: 814.752+/-0.079 χ^2/NDF: 22635846.0/98



Right In: -907.950+/-501.745 χ^2/NDF: 13.8/23

Left Out: -886.352+/-413.227 χ^2/NDF:28.1/23

Right Out: 6.504+/-473.117 χ^2/NDF: 14.6/27

Left In: -453.236+/-416.200 χ^2/NDF:25.8/22

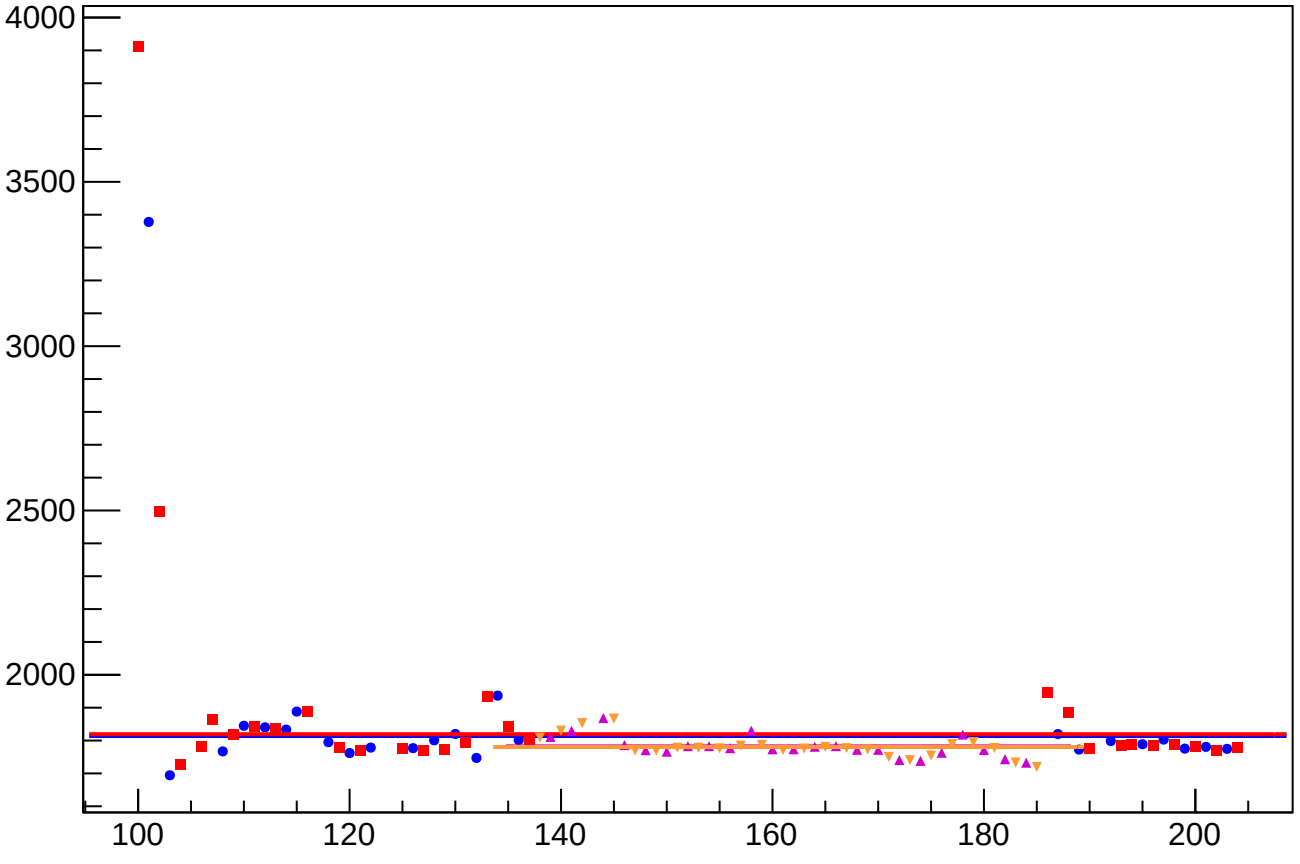
Left: -671.347+/-293.241 χ^2/NDF: 54.5/46

Right: -423.892+/-344.220 χ^2/NDF: 30.2/51

In: -638.582+/-320.336 χ^2/NDF:40.1/46

Out: -499.980+/-311.229 χ^2/NDF:44.8/51

All: -567.283+/-223.223 χ^2/NDF: 85.0/98



Right In: 1813.785+/-0.355 χ^2/NDF: 297833.3/23

Left Out: 1780.220+/-0.292 χ^2/NDF:10380.2/23

Right Out: 1819.357+/-0.335 χ^2/NDF: 141316.7/27

Left In: 1782.298+/-0.294 χ^2/NDF:11232.1/22

Left: 1781.252+/-0.207 χ^2/NDF: 21637.4/46

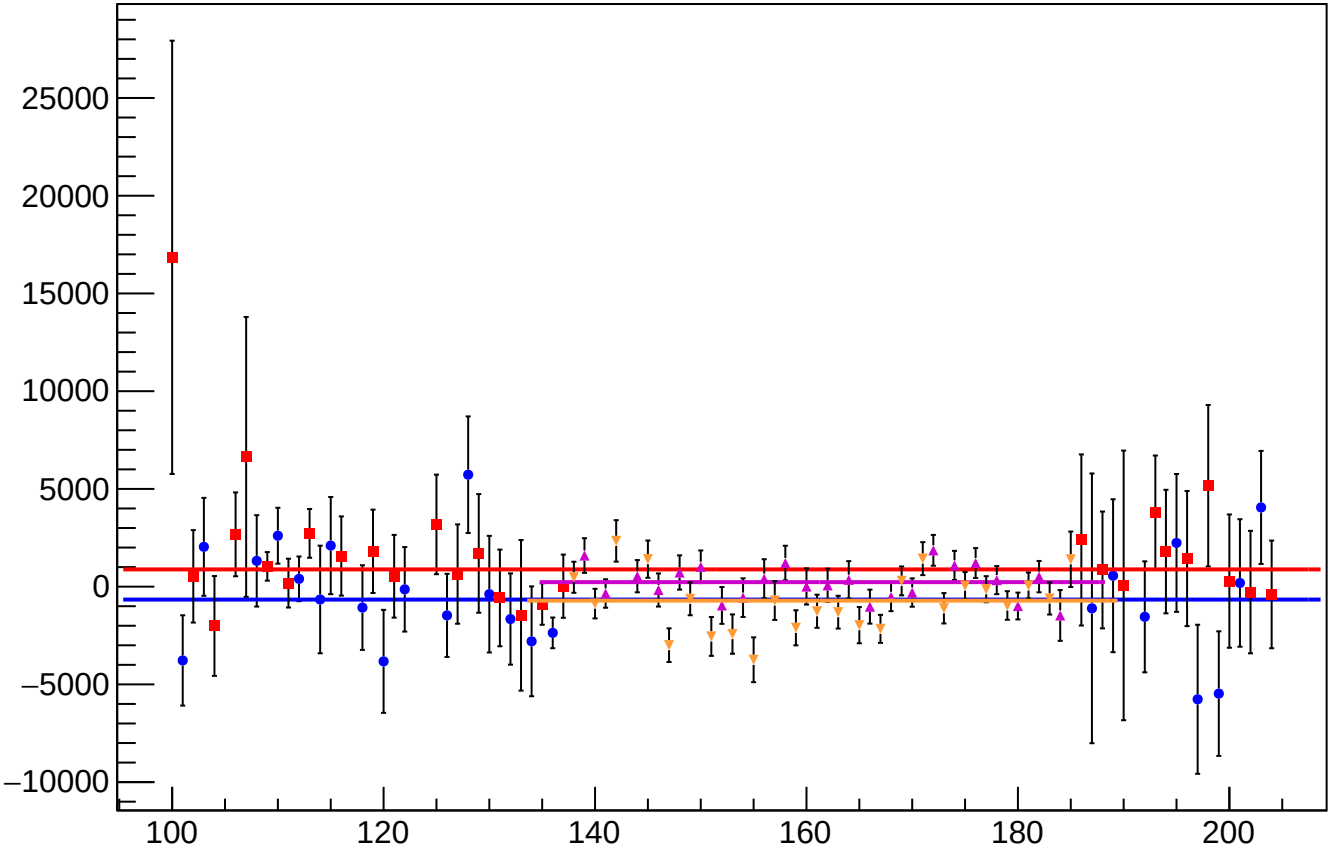
Right: 1816.734+/-0.243 χ^2/NDF: 439280.5/51

In: 1795.132+/-0.227 χ^2/NDF:313731.2/46

Out: 1797.156+/-0.220 χ^2/NDF:159460.1/51

All: 1796.173+/-0.158 χ^2/NDF: 473232.4/98

asym_us_dd_atlr_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -660.892+/-418.814 χ^2/NDF: 30.4/23

Left Out: -716.601+/-170.602 χ^2/NDF:59.4/23

Right Out: 882.756+/-372.600 χ^2/NDF: 15.0/27

Left In: 231.318+/-173.435 χ^2/NDF:24.1/22

Left: -250.447+/-121.623 χ^2/NDF: 98.6/46

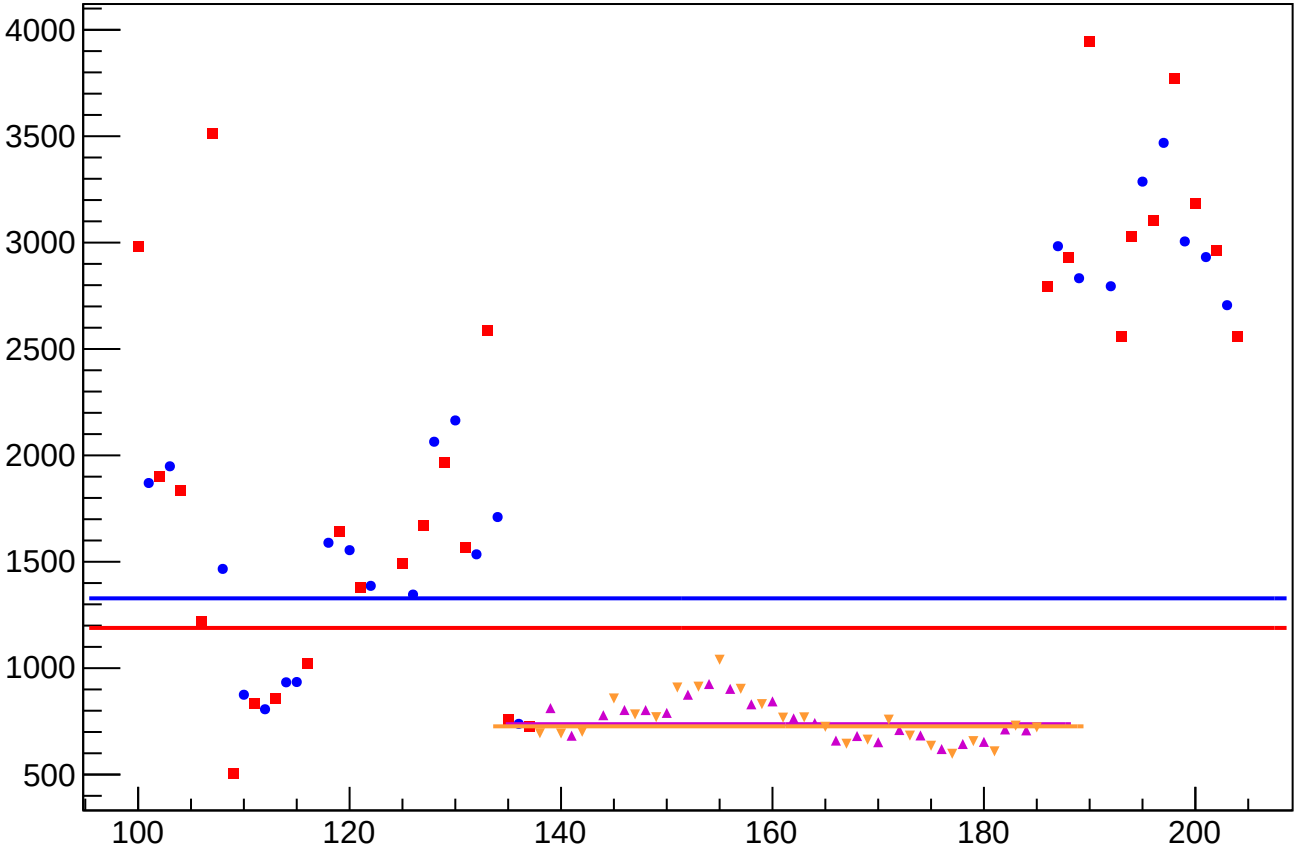
Right: 200.765+/-278.379 χ^2/NDF: 53.0/51

In: 100.712+/-160.239 χ^2/NDF:58.4/46

Out: -439.415+/-155.116 χ^2/NDF:89.5/51

All: -178.124+/-111.451 χ^2/NDF: 153.8/98

asym_us_dd_atlr_dd_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1328.168+/-0.296 χ^2/NDF: 6138434.6/23

Left Out: 726.605+/-0.121 χ^2/NDF:684780.2/23

Right Out: 1189.058+/-0.263 χ^2/NDF: 9384743.7/27

Left In: 736.709+/-0.123 χ^2/NDF:465053.4/22

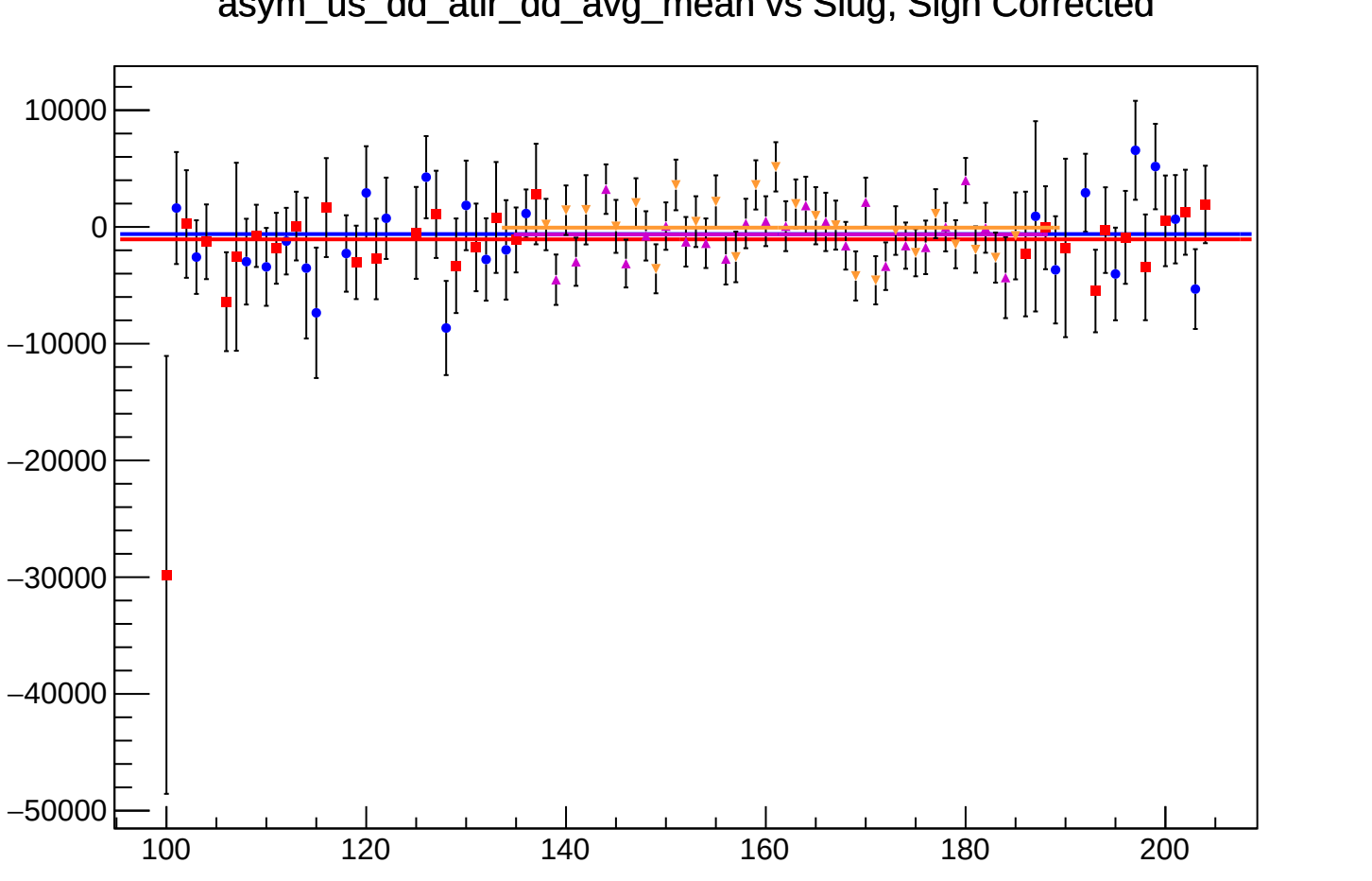
Left: 731.574+/-0.086 χ^2/NDF: 1153283.6/46

Right: 1250.518+/-0.197 χ^2/NDF: 15646342.9/51

In: 823.289+/-0.113 χ^2/NDF:10008344.2/46

Out: 806.753+/-0.110 χ^2/NDF:12616484.0/51

All: 814.753+/-0.079 χ^2/NDF: 22635824.0/98



Right In: -610.428+/-743.091 χ^2/NDF: 21.9/23

Left Out: -59.589+/-445.601 χ^2/NDF:33.0/23

Right Out: -1062.021+/-716.098 χ^2/NDF: 10.4/27

Left In: -646.910+/-448.538 χ^2/NDF:23.7/22

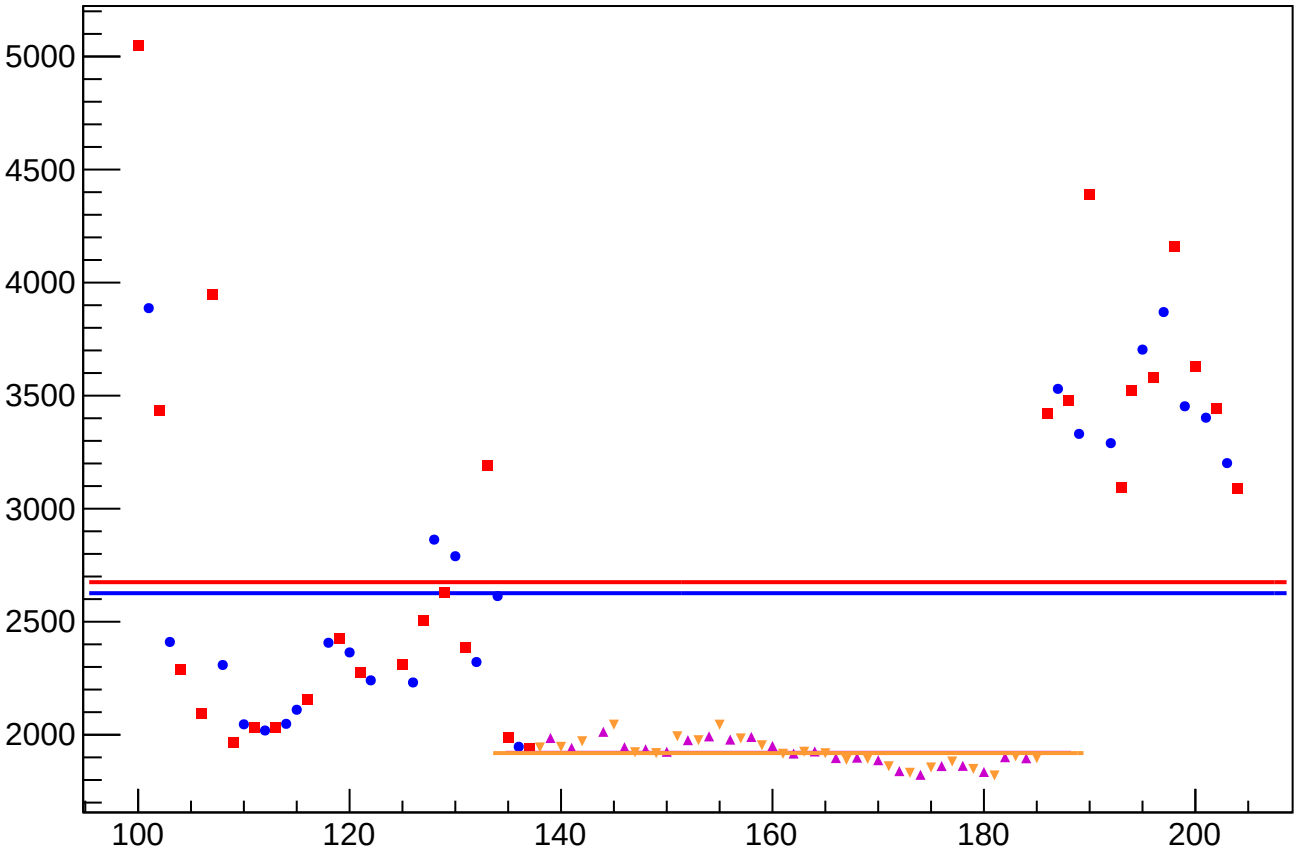
Left: -351.320+/-316.121 χ^2/NDF: 57.5/46

Right: -844.575+/-515.636 χ^2/NDF: 32.5/51

In: -637.167+/-384.005 χ^2/NDF:45.5/46

Out: -339.397+/-378.334 χ^2/NDF:44.8/51

All: -486.067+/-269.505 χ^2/NDF: 90.7/98



Right In: 2626.293+/-0.525 χ^2/NDF: 1371668.6/23

Left Out: 1918.975+/-0.315 χ^2/NDF:35574.5/23

Right Out: 2675.001+/-0.506 χ^2/NDF: 1773617.0/27

Left In: 1920.214+/-0.317 χ^2/NDF:29912.0/22

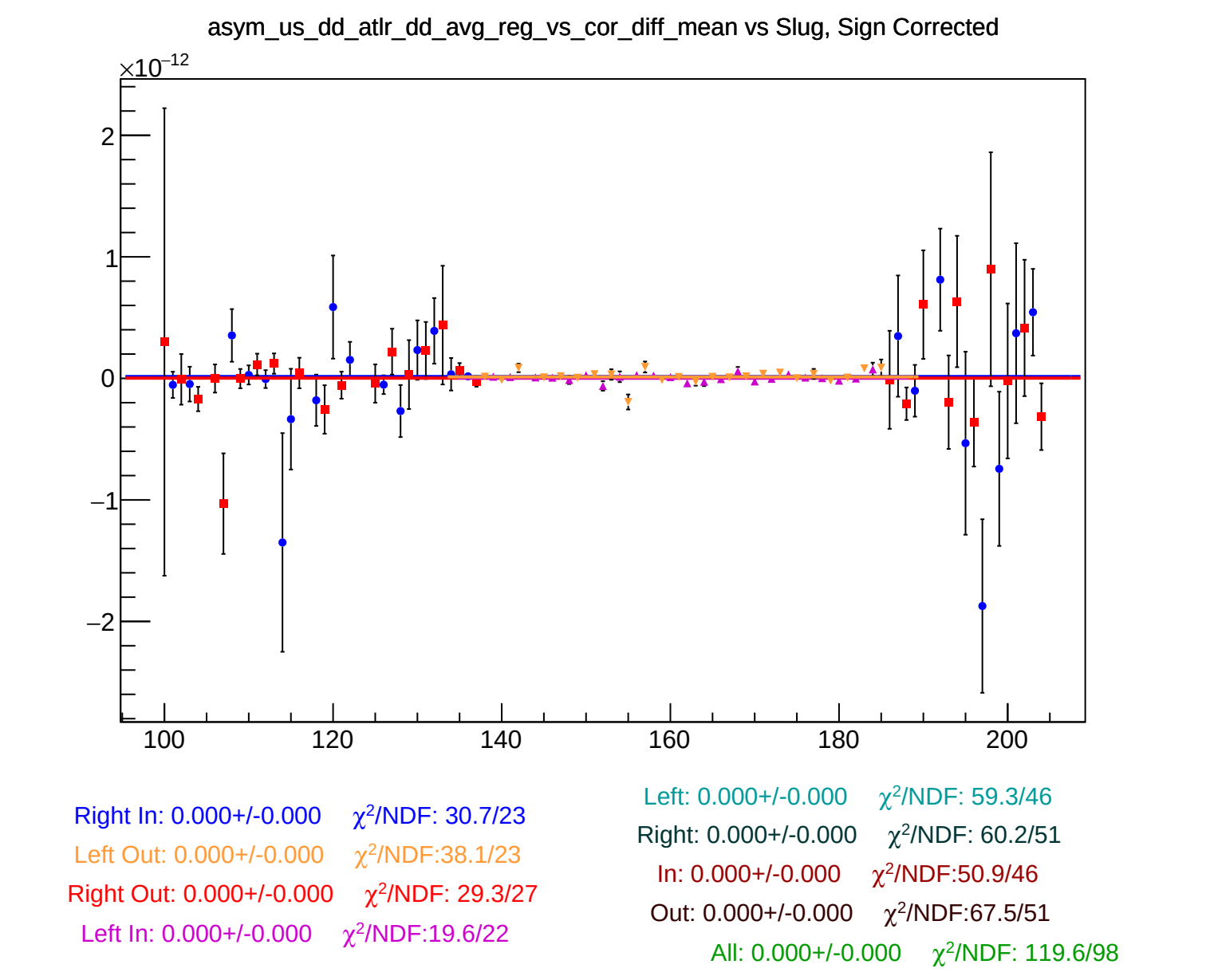
Left: 1919.591+/-0.224 χ^2/NDF: 65494.2/46

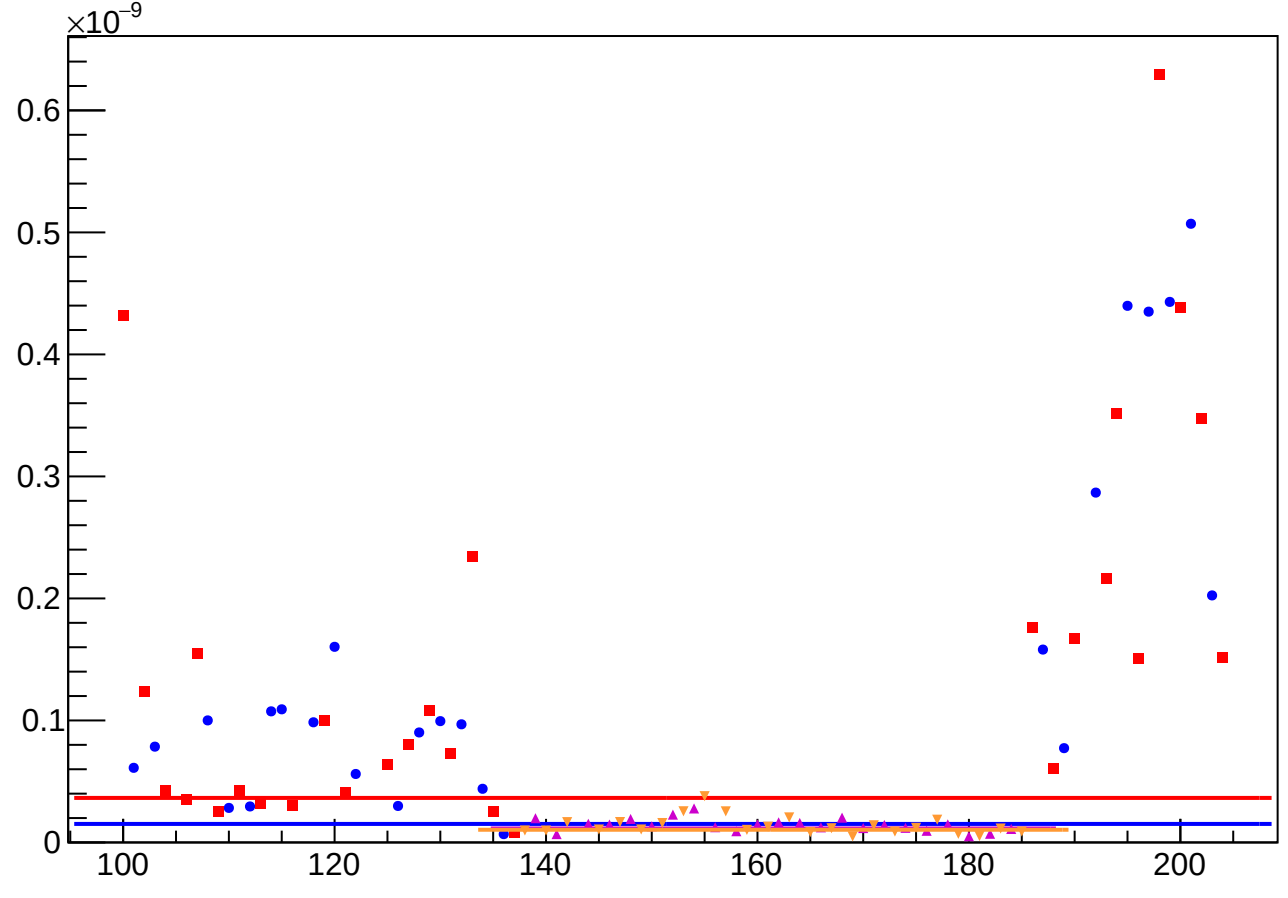
Right: 2651.548+/-0.365 χ^2/NDF: 3149741.0/51

In: 2108.772+/-0.272 χ^2/NDF:2725094.5/46

Out: 2130.006+/-0.268 χ^2/NDF:3416204.5/51

All: 2119.547+/-0.191 χ^2/NDF: 6144402.2/98


asym_us_dd_atlr_dd_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
1
0
−1
−2
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 30.7/23
Left Out: 0.000+/-0.000 χ²/NDF:38.1/23
Right Out: 0.000+/-0.000 χ²/NDF: 29.3/27
Left In: 0.000+/-0.000 χ²/NDF:19.6/22
Left: 0.000+/-0.000 χ²/NDF: 59.3/46
Right: 0.000+/-0.000 χ²/NDF: 60.2/51
In: 0.000+/-0.000 χ²/NDF:50.9/46
Out: 0.000+/-0.000 χ²/NDF:67.5/51
All: 0.000+/-0.000 χ²/NDF: 119.6/98



Right In: 0.000+/-0.000 χ^2/NDF: 8284542.0/23

Left Out: 0.000+/-0.000 χ^2/NDF:2075235.5/23

Right Out: 0.000+/-0.000 χ^2/NDF: 6779364.6/27

Left In: 0.000+/-0.000 χ^2/NDF:1894438.8/22

Left: 0.000+/-0.000 χ^2/NDF: 4014682.3/46

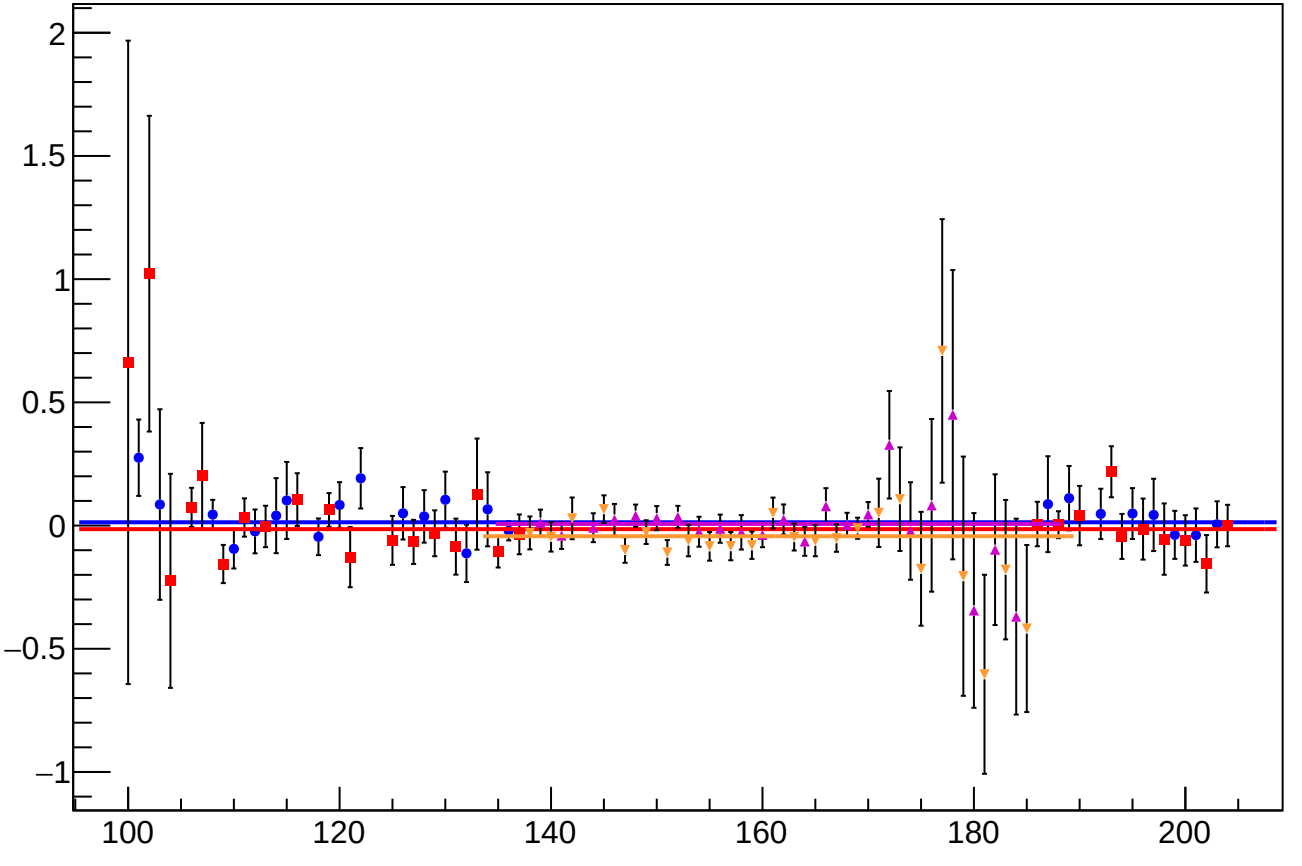
Right: 0.000+/-0.000 χ^2/NDF: 16290576.1/51

In: 0.000+/-0.000 χ^2/NDF:10305764.0/46

Out: 0.000+/-0.000 χ^2/NDF:11244638.0/51

All: 0.000+/-0.000 χ^2/NDF: 21559843.9/98

asym_us_dd_atlr_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.013+/-0.019 χ^2/NDF: 13.2/23

Left Out: -0.043+/-0.014 χ^2/NDF:18.9/23

Right Out: -0.015+/-0.018 χ^2/NDF: 23.4/27

Left In: 0.007+/-0.014 χ^2/NDF:11.3/22

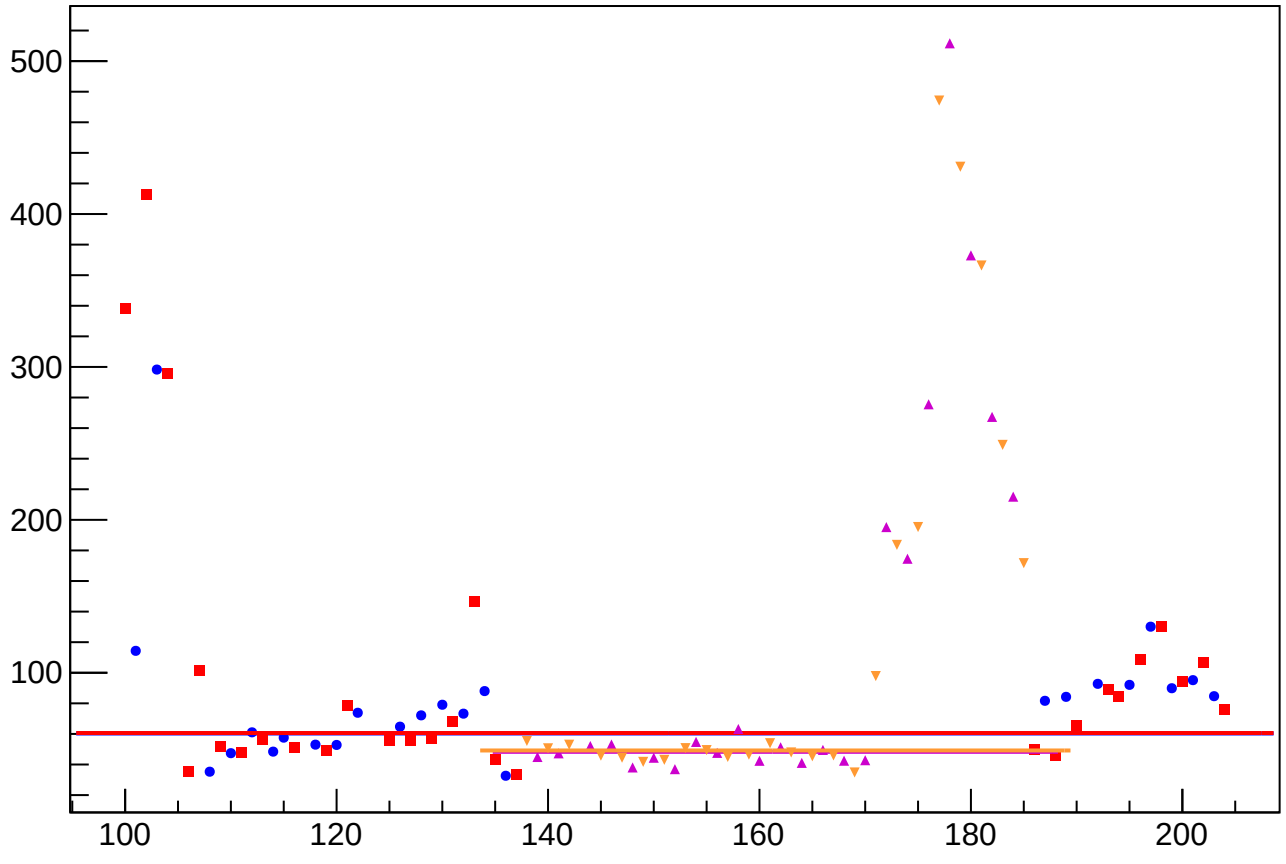
Left: -0.018+/-0.010 χ^2/NDF: 36.8/46

Right: -0.001+/-0.013 χ^2/NDF: 37.7/51

In: 0.009+/-0.011 χ^2/NDF:24.6/46

Out: -0.033+/-0.011 χ^2/NDF:43.8/51

All: -0.012+/-0.008 χ^2/NDF: 75.5/98



Right In: 60.304+/-0.014 χ^2/NDF: 4120634.1/23

Left Out: 49.180+/-0.010 χ^2/NDF:7250092.4/23

Right Out: 60.595+/-0.013 χ^2/NDF: 4270234.7/27

Left In: 48.307+/-0.010 χ^2/NDF:7040663.5/22

Left: 48.731+/-0.007 χ^2/NDF: 14294810.2/46

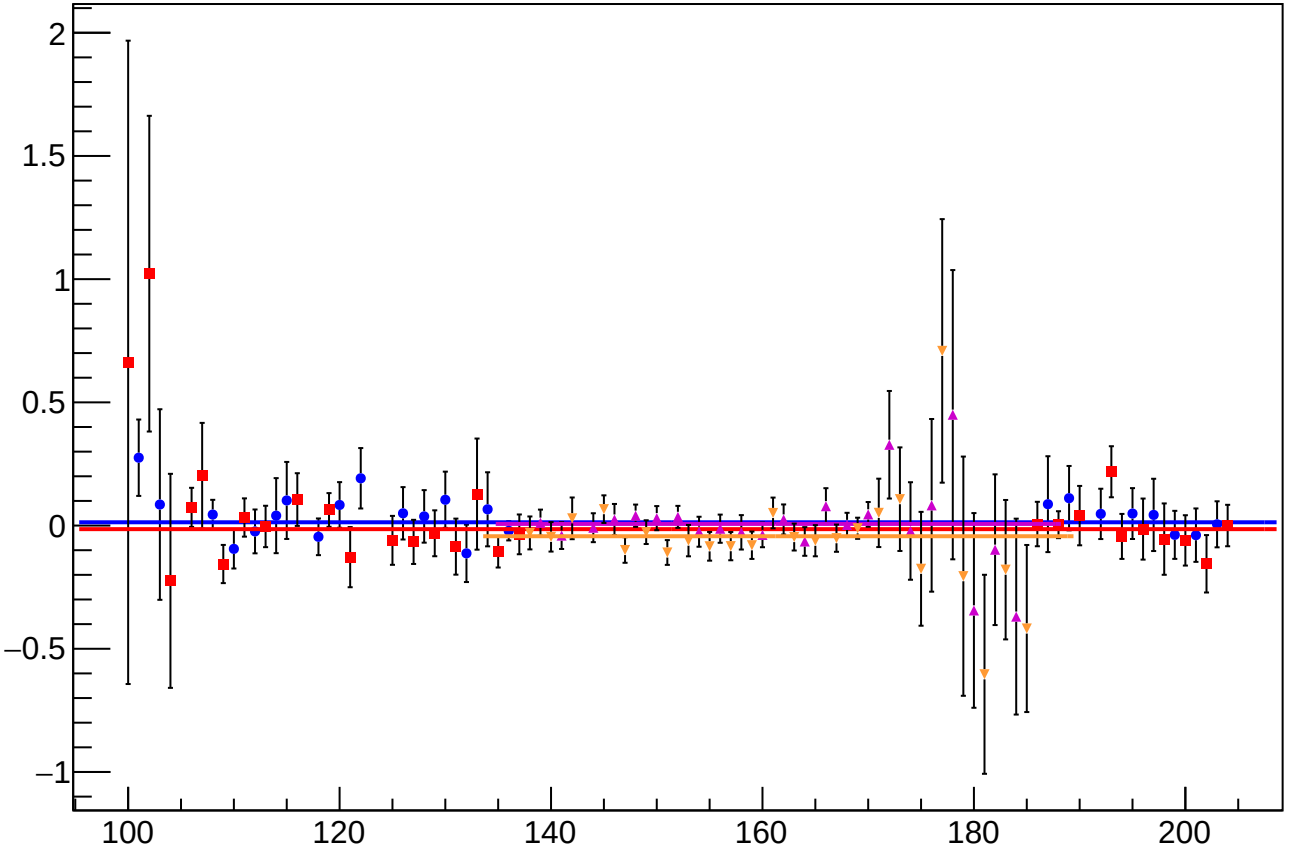
Right: 60.457+/-0.009 χ^2/NDF: 8391111.9/51

In: 52.288+/-0.008 χ^2/NDF:11683727.6/46

Out: 53.402+/-0.008 χ^2/NDF:12018833.1/51

All: 52.846+/-0.006 χ^2/NDF: 23712732.9/98

asym_us_dd_atlr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.013+/-0.019 χ^2/NDF: 13.2/23

Left Out: -0.043+/-0.014 χ^2/NDF:18.9/23

Right Out: -0.015+/-0.018 χ^2/NDF: 23.4/27

Left In: 0.007+/-0.014 χ^2/NDF:11.3/22

Left: -0.018+/-0.010 χ^2/NDF: 36.8/46

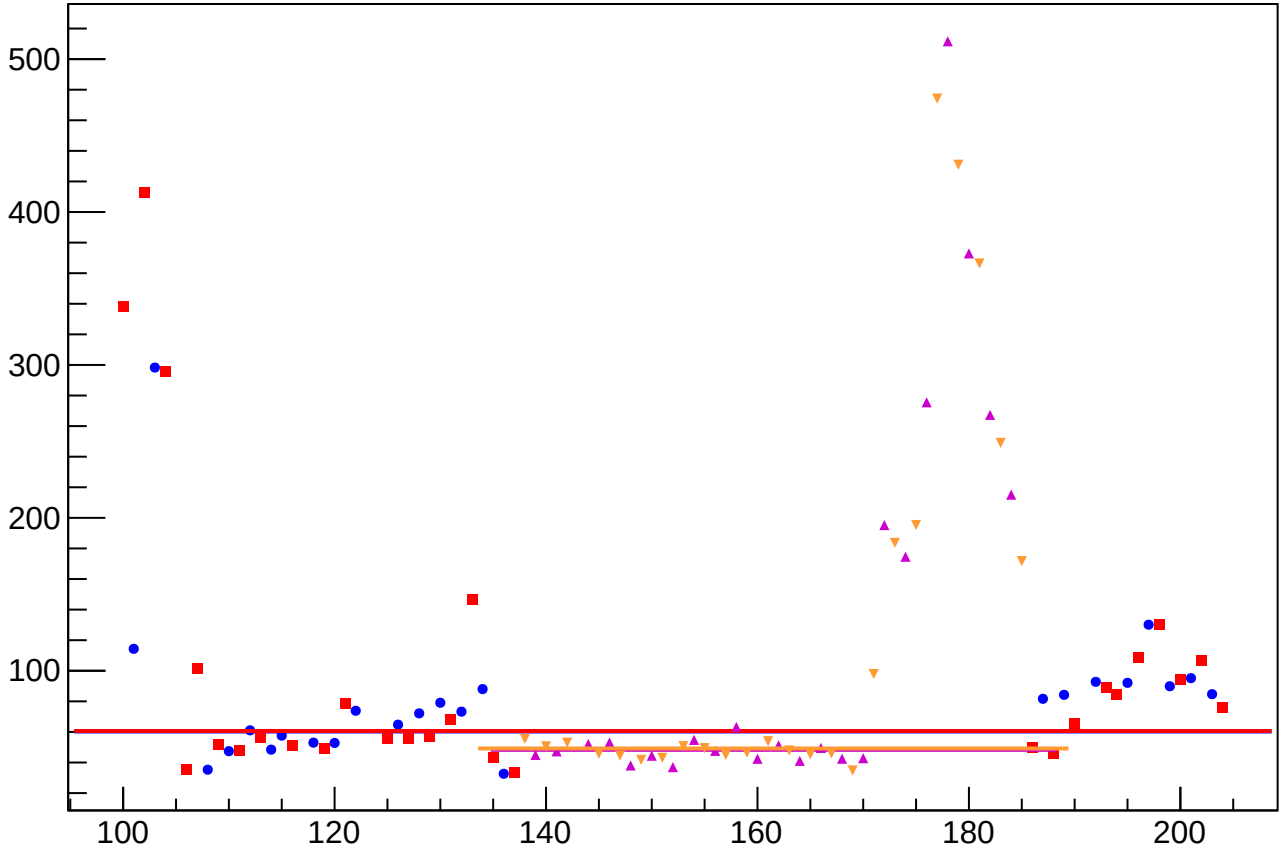
Right: -0.001+/-0.013 χ^2/NDF: 37.7/51

In: 0.009+/-0.011 χ^2/NDF:24.6/46

Out: -0.033+/-0.011 χ^2/NDF:43.8/51

All: -0.012+/-0.008 χ^2/NDF: 75.5/98

asym_us_dd_atlr_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 60.304+/-0.014 χ^2/NDF: 4120634.1/23

Left Out: 49.180+/-0.010 χ^2/NDF:7250092.4/23

Right Out: 60.595+/-0.013 χ^2/NDF: 4270234.7/27

Left In: 48.307+/-0.010 χ^2/NDF:7040663.5/22

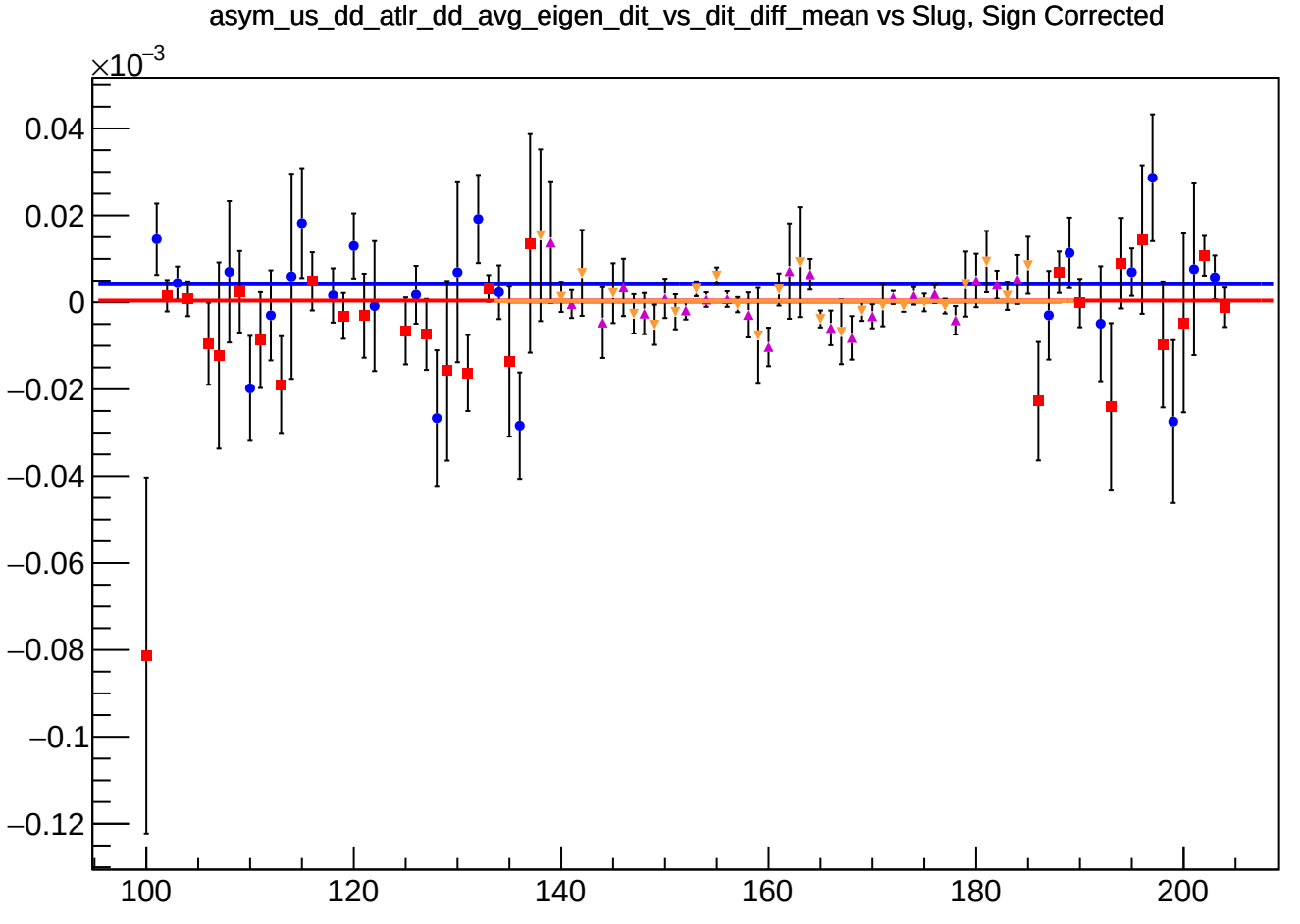
Left: 48.731+/-0.007 χ^2/NDF: 14294810.2/46

Right: 60.457+/-0.009 χ^2/NDF: 8391111.9/51

In: 52.288+/-0.008 χ^2/NDF:11683727.6/46

Out: 53.402+/-0.008 χ^2/NDF:12018833.1/51

All: 52.846+/-0.006 χ^2/NDF: 23712732.9/98



Right In: 0.000+/-0.000 χ^2/NDF: 30.2/23

Left Out: 0.000+/-0.000 χ^2/NDF:28.8/23

Right Out: 0.000+/-0.000 χ^2/NDF: 31.5/27

Left In: 0.000+/-0.000 χ^2/NDF:25.3/22

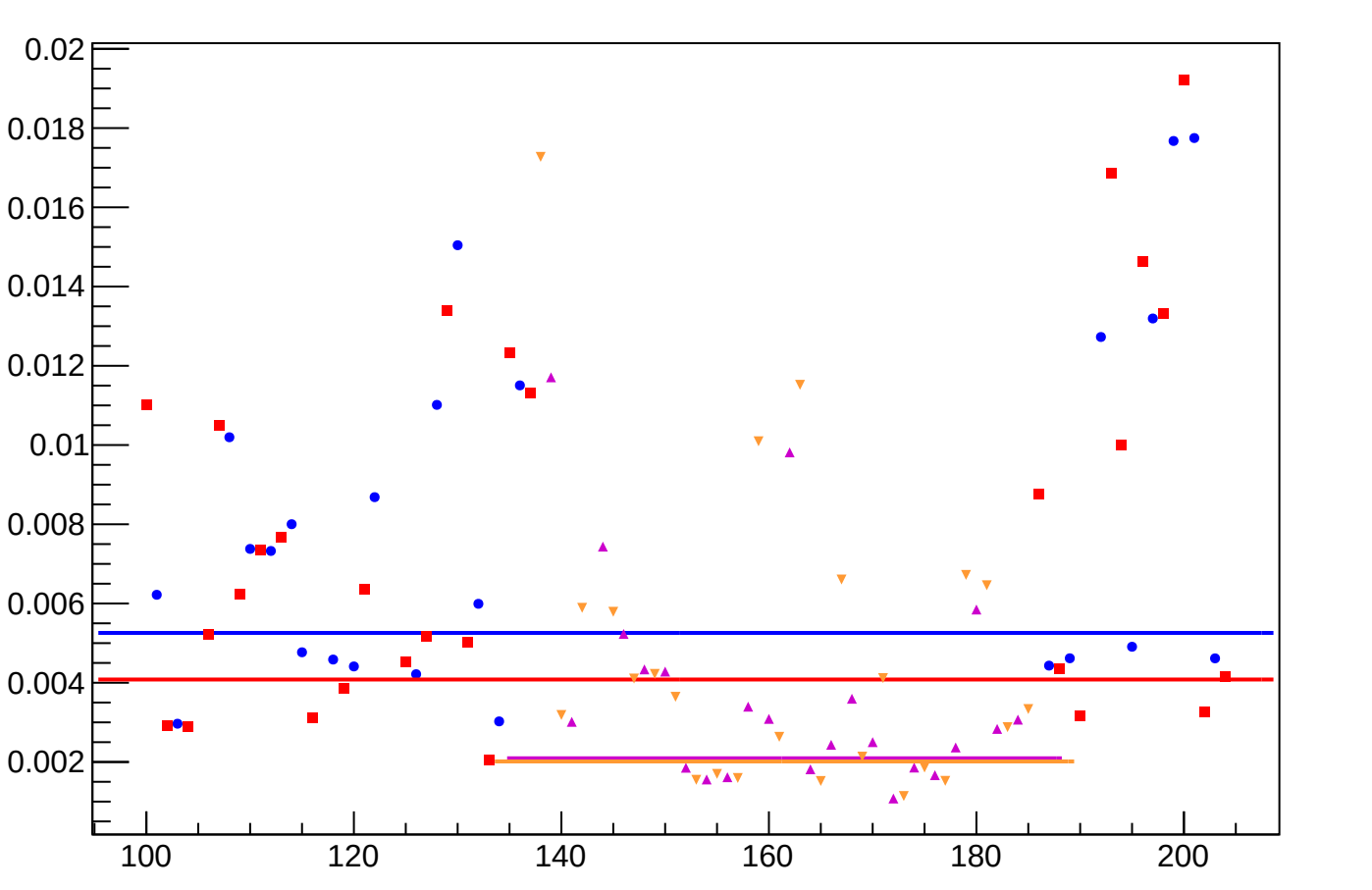
Left: 0.000+/-0.000 χ^2/NDF: 54.1/46

Right: 0.000+/-0.000 χ^2/NDF: 64.8/51

In: 0.000+/-0.000 χ^2/NDF:60.3/46

Out: 0.000+/-0.000 χ^2/NDF:60.3/51

All: 0.000+/-0.000 χ^2/NDF: 120.8/98



Right In: 0.005+/-0.000 χ^2/NDF: 5795186.6/23

Left Out: 0.002+/-0.000 χ^2/NDF:10262318.5/23

Right Out: 0.004+/-0.000 χ^2/NDF: 7805048.6/27

Left In: 0.002+/-0.000 χ^2/NDF:7141979.6/22

Left: 0.002+/-0.000 χ^2/NDF: 17422562.9/46

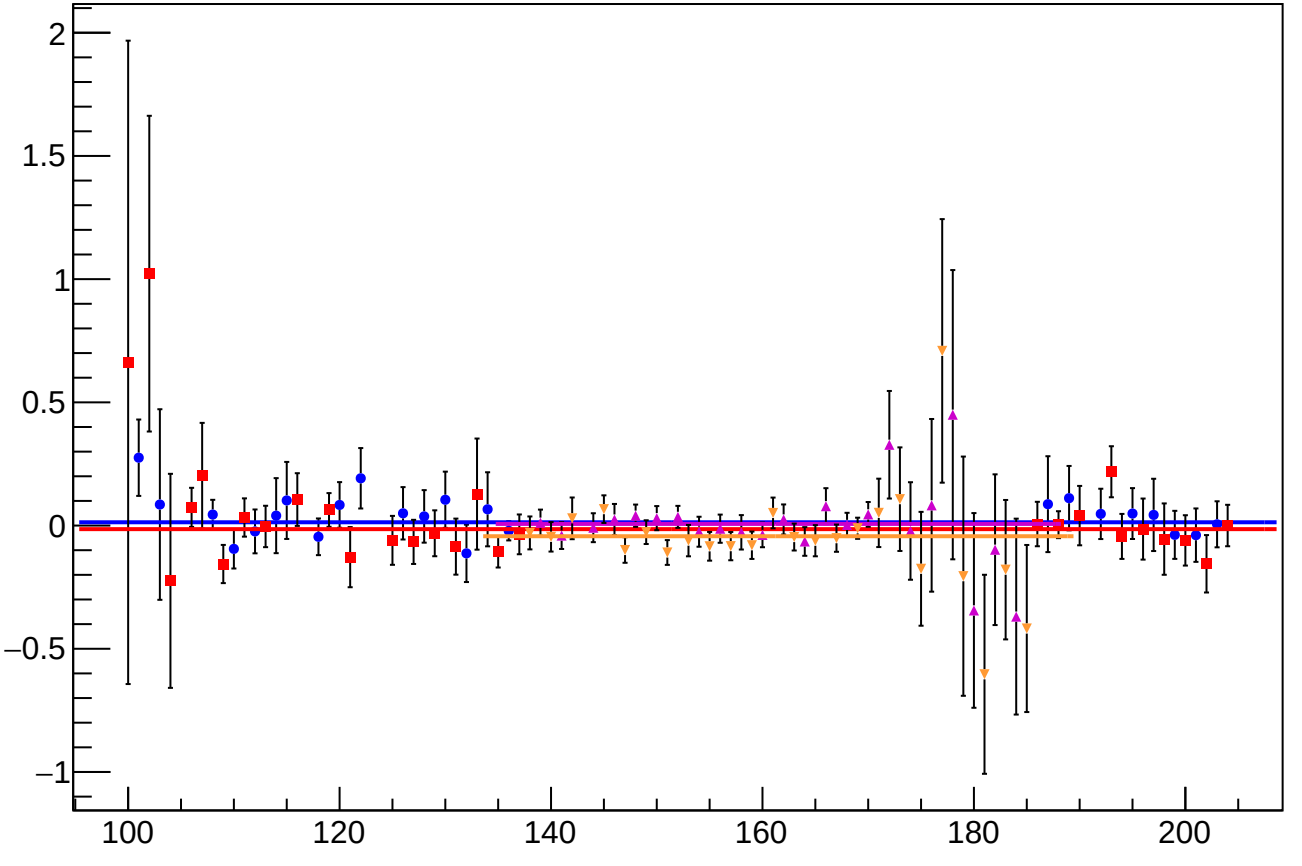
Right: 0.005+/-0.000 χ^2/NDF: 14208636.5/51

In: 0.002+/-0.000 χ^2/NDF:19062803.7/46

Out: 0.002+/-0.000 χ^2/NDF:22417850.3/51

All: 0.002+/-0.000 χ^2/NDF: 41514058.7/98

asym_us_dd_atlr_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.013+/-0.019 χ^2/NDF: 13.2/23

Left Out: -0.043+/-0.014 χ^2/NDF:18.9/23

Right Out: -0.015+/-0.018 χ^2/NDF: 23.4/27

Left In: 0.007+/-0.014 χ^2/NDF:11.3/22

Left: -0.018+/-0.010 χ^2/NDF: 36.8/46

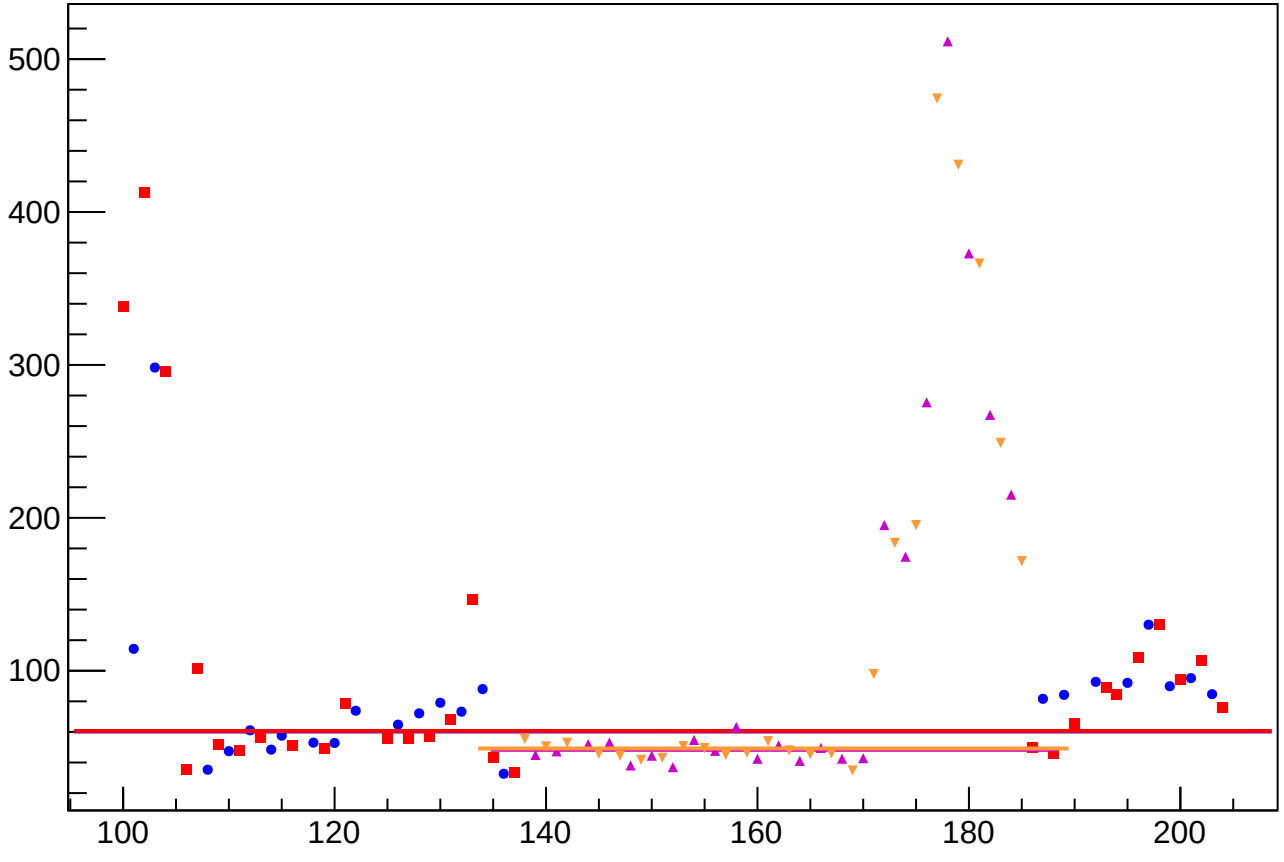
Right: -0.001+/-0.013 χ^2/NDF: 37.7/51

In: 0.009+/-0.011 χ^2/NDF:24.6/46

Out: -0.033+/-0.011 χ^2/NDF:43.8/51

All: -0.012+/-0.008 χ^2/NDF: 75.5/98

asym_us_dd_atlr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 60.304+/-0.014 χ^2/NDF: 4120486.2/23

Left Out: 49.180+/-0.010 χ^2/NDF:7250102.5/23

Right Out: 60.595+/-0.013 χ^2/NDF: 4270097.0/27

Left In: 48.307+/-0.010 χ^2/NDF:7040585.4/22

Left: 48.731+/-0.007 χ^2/NDF: 14294736.5/46

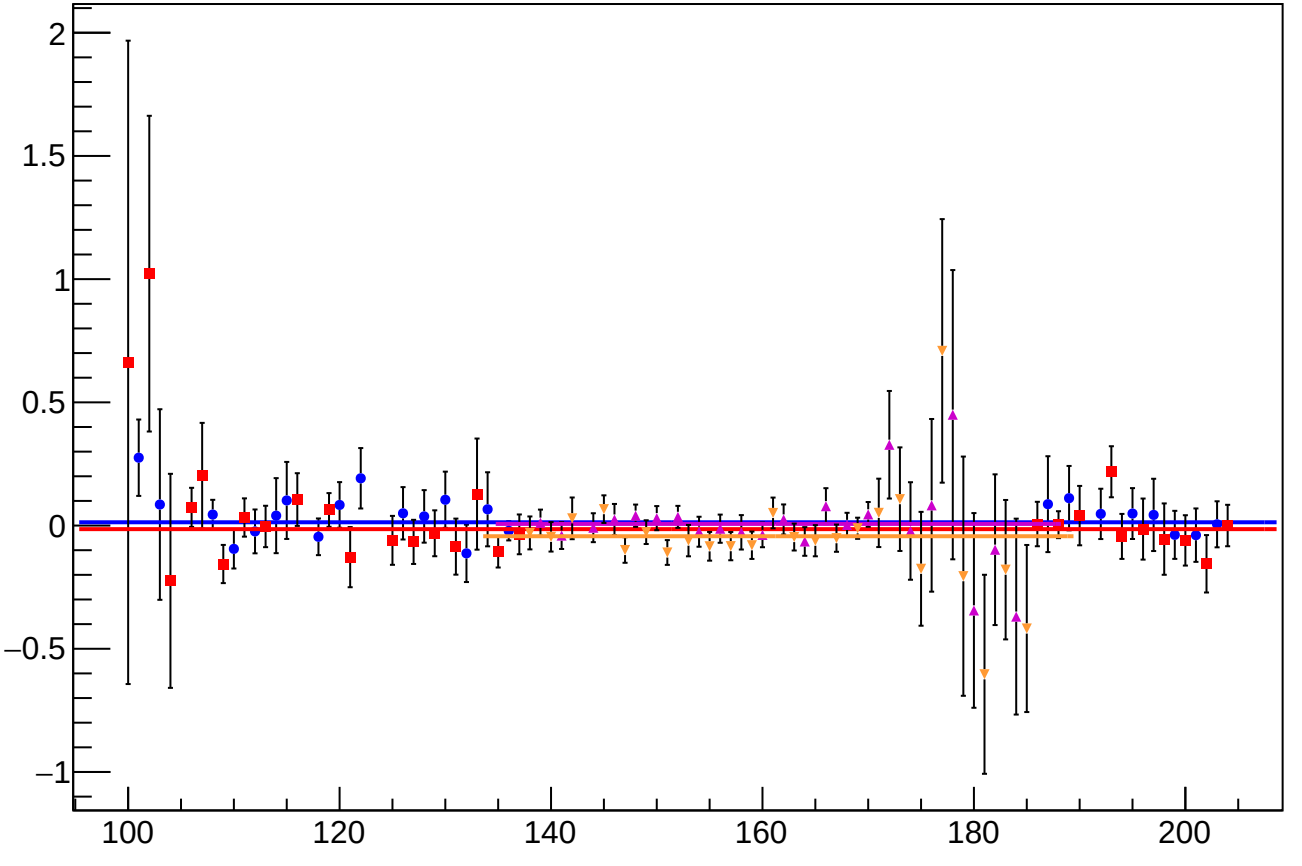
Right: 60.458+/-0.009 χ^2/NDF: 8390826.6/51

In: 52.289+/-0.008 χ^2/NDF:11683514.9/46

Out: 53.402+/-0.008 χ^2/NDF:12018795.4/51

All: 52.846+/-0.006 χ^2/NDF: 23712476.3/98

asym_us_dd_atlr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.013+/-0.019 χ^2/NDF: 13.2/23

Left Out: -0.043+/-0.014 χ^2/NDF:18.9/23

Right Out: -0.015+/-0.018 χ^2/NDF: 23.4/27

Left In: 0.007+/-0.014 χ^2/NDF:11.3/22

Left: -0.018+/-0.010 χ^2/NDF: 36.8/46

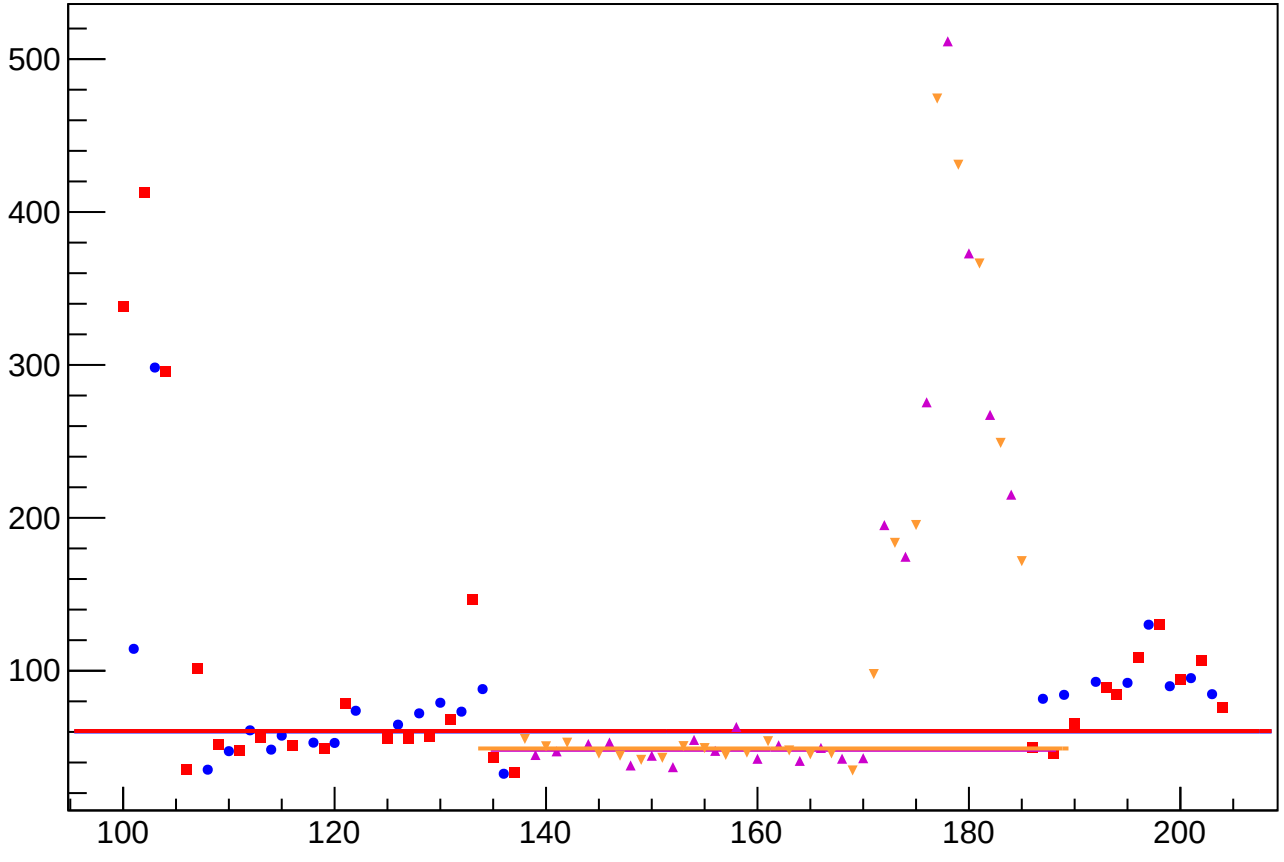
Right: -0.001+/-0.013 χ^2/NDF: 37.7/51

In: 0.009+/-0.011 χ^2/NDF:24.6/46

Out: -0.033+/-0.011 χ^2/NDF:43.8/51

All: -0.012+/-0.008 χ^2/NDF: 75.5/98

asym_us_dd_atlr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 60.304+/-0.014 χ^2/NDF: 4120486.2/23

Left Out: 49.180+/-0.010 χ^2/NDF:7250102.5/23

Right Out: 60.595+/-0.013 χ^2/NDF: 4270097.0/27

Left In: 48.307+/-0.010 χ^2/NDF:7040585.4/22

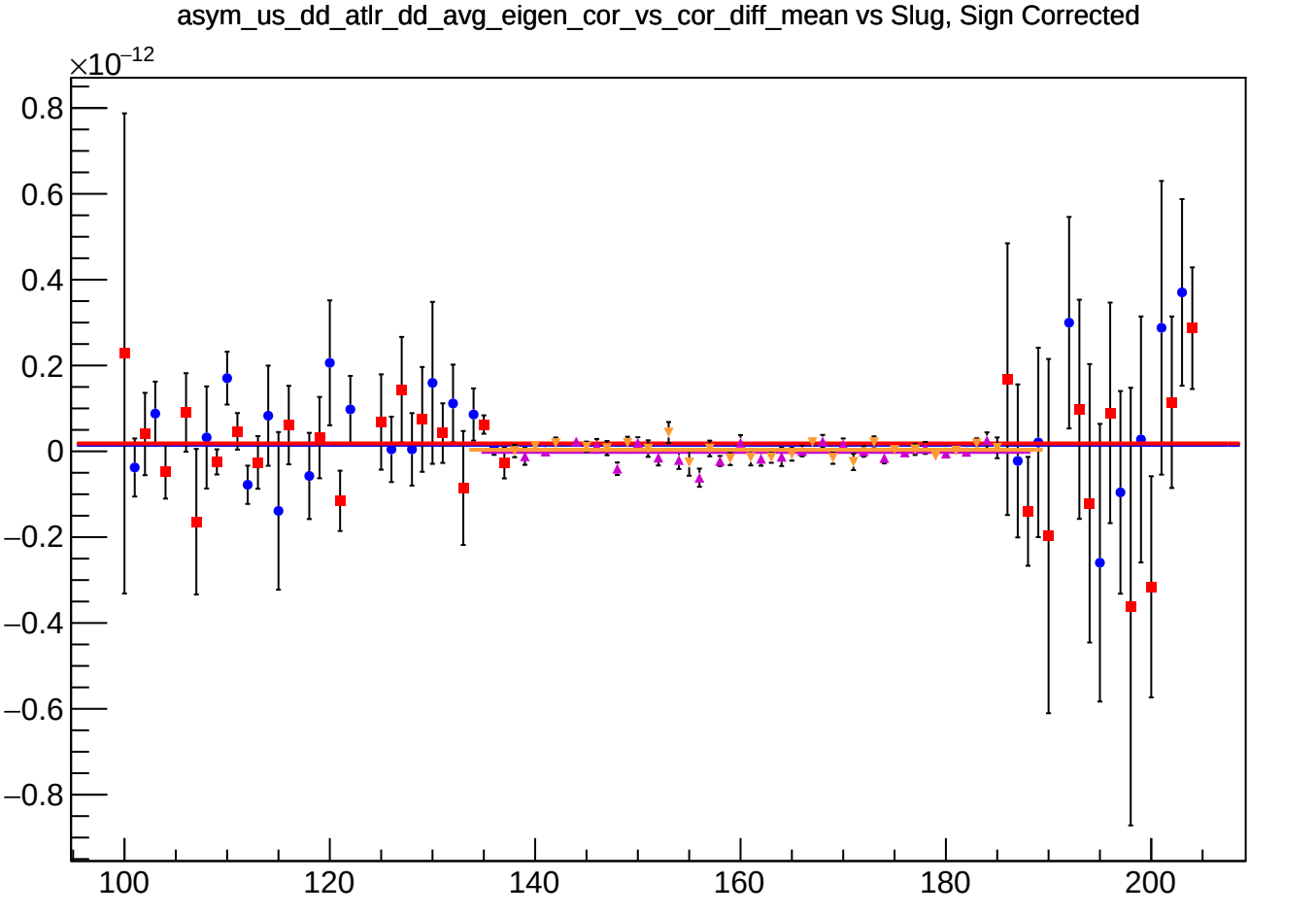
Left: 48.731+/-0.007 χ^2/NDF: 14294736.5/46

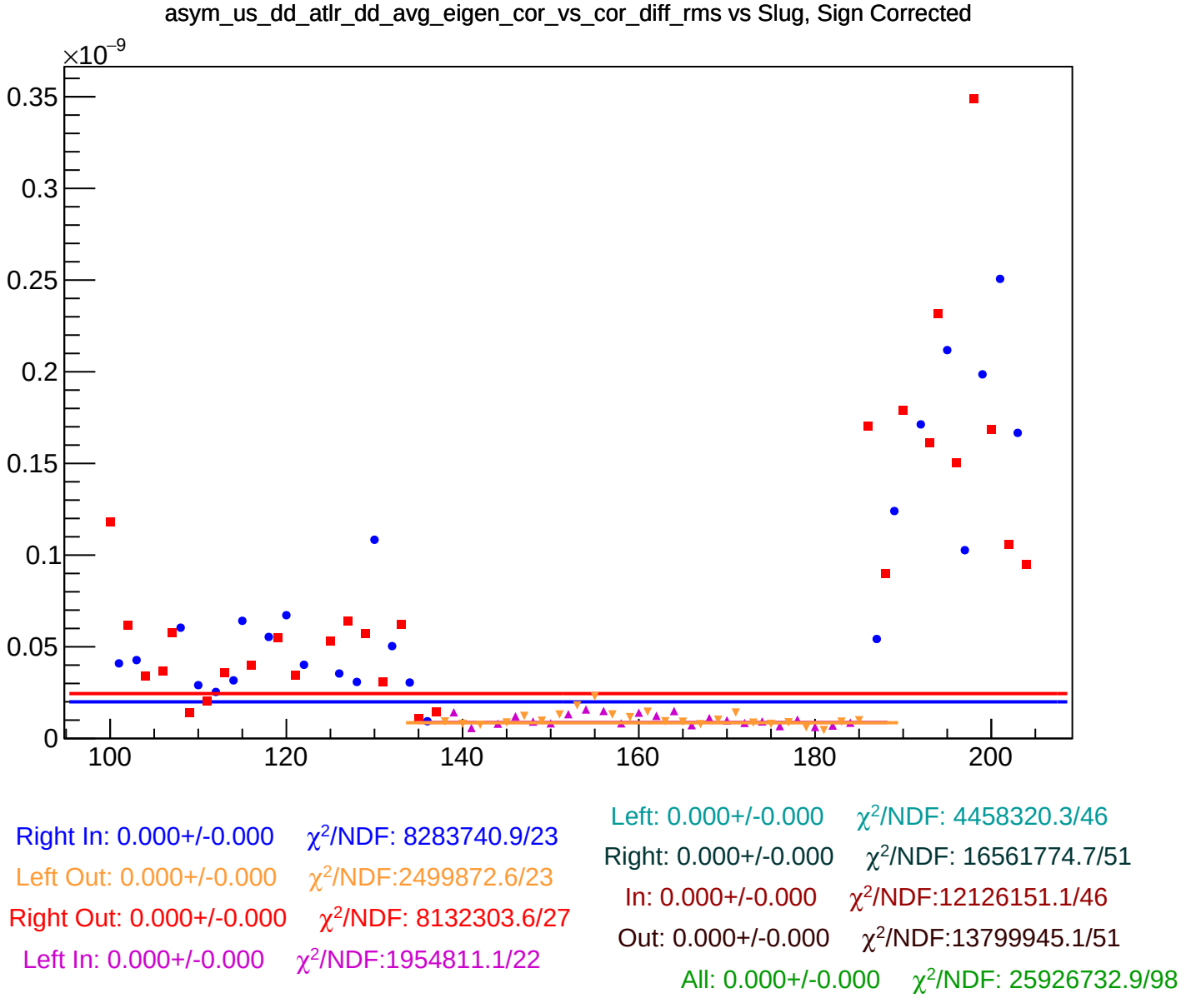
Right: 60.458+/-0.009 χ^2/NDF: 8390826.6/51

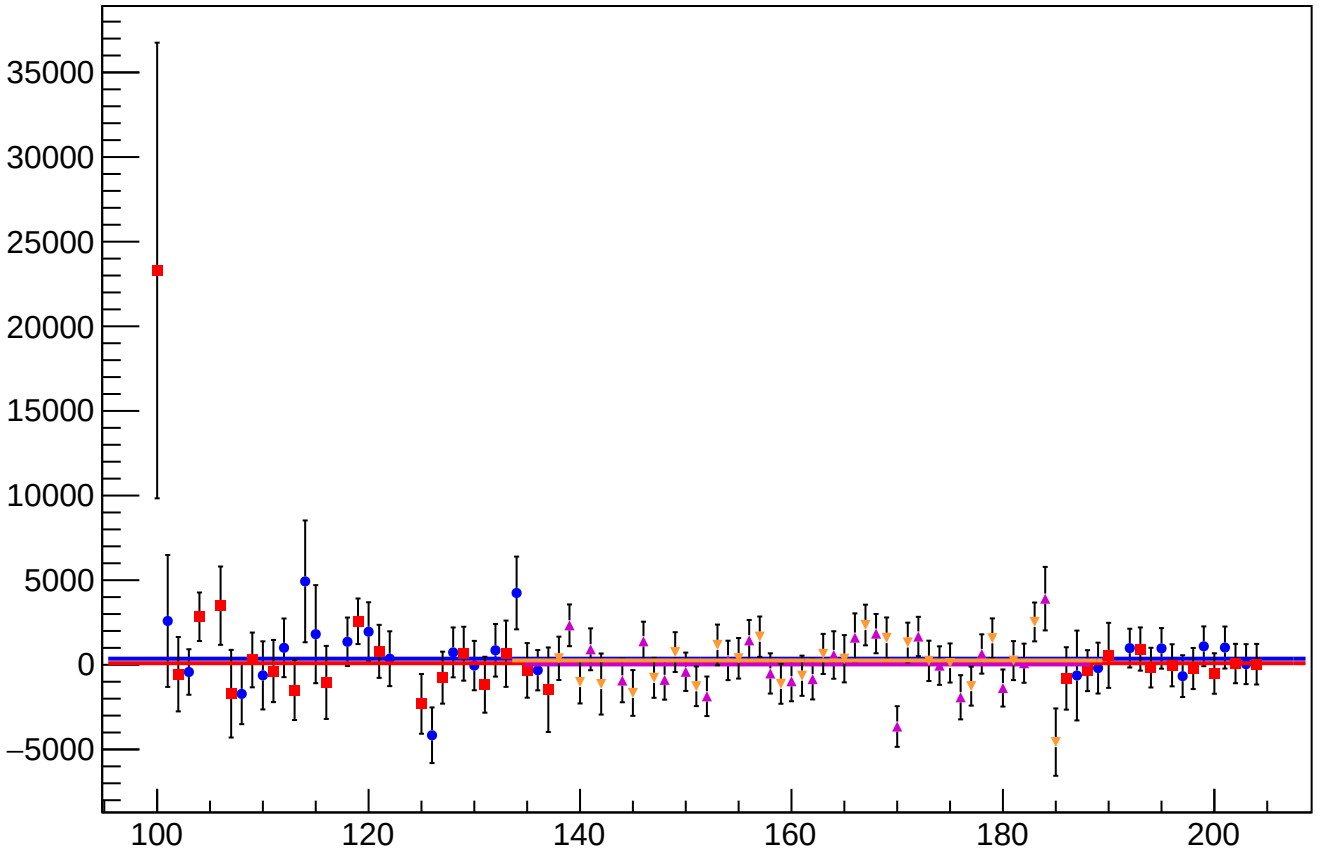
In: 52.289+/-0.008 χ^2/NDF:11683514.9/46

Out: 53.402+/-0.008 χ^2/NDF:12018795.4/51

All: 52.846+/-0.006 χ^2/NDF: 23712476.3/98


asym_us_dd_atlr_dd_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 26.0/23
Left Out: 0.000+/-0.000 χ²/NDF:24.6/23
Right Out: 0.000+/-0.000 χ²/NDF: 26.5/27
Left In: -0.000+/-0.000 χ²/NDF:40.0/22
Left: 0.000+/-0.000 χ²/NDF: 66.3/46
Right: 0.000+/-0.000 χ²/NDF: 52.5/51
In: -0.000+/-0.000 χ²/NDF:68.0/46
Out: 0.000+/-0.000 χ²/NDF:52.4/51
All: 0.000+/-0.000 χ²/NDF: 122.1/98


asym_us_dd_atlr_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 8283740.9/23
Left Out: 0.000+/-0.000 χ²/NDF:2499872.6/23
Right Out: 0.000+/-0.000 χ²/NDF: 8132303.6/27
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: 16561774.7/51
In: 0.000+/-0.000 χ²/NDF:12126151.1/46
Out: 0.000+/-0.000 χ²/NDF:13799945.1/51
All: 0.000+/-0.000 χ²/NDF: 25926732.9/98



Right In: 361.868+/-311.068 χ^2/NDF: 19.3/23

Left Out: 260.650+/-251.401 χ^2/NDF:28.2/23

Right Out: 94.751+/-294.015 χ^2/NDF: 18.8/27

Left In: 22.368+/-253.332 χ^2/NDF:35.8/22

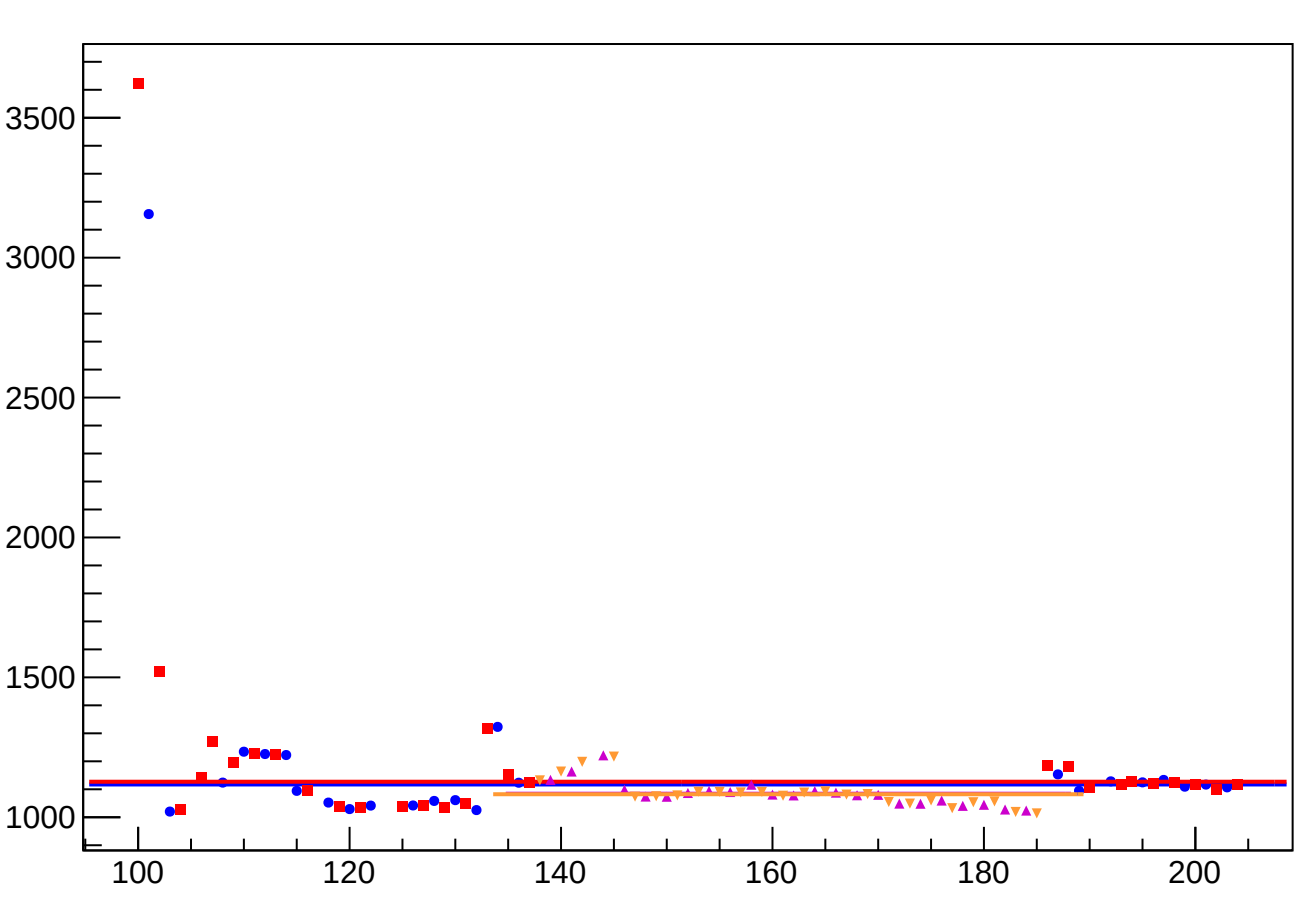
Left: 142.421+/-178.446 χ^2/NDF: 64.5/46

Right: 220.787+/-213.674 χ^2/NDF: 38.4/51

In: 157.748+/-196.432 χ^2/NDF:55.8/46

Out: 190.584+/-191.074 χ^2/NDF:47.2/51

All: 174.620+/-136.965 χ^2/NDF: 103.0/98



Right In: 1117.203+/-0.220 χ^2/NDF: 625079.8/23

Left Out: 1082.308+/-0.178 χ^2/NDF:57873.0/23

Right Out: 1127.029+/-0.208 χ^2/NDF: 230111.1/27

Left In: 1084.166+/-0.179 χ^2/NDF:53438.8/22

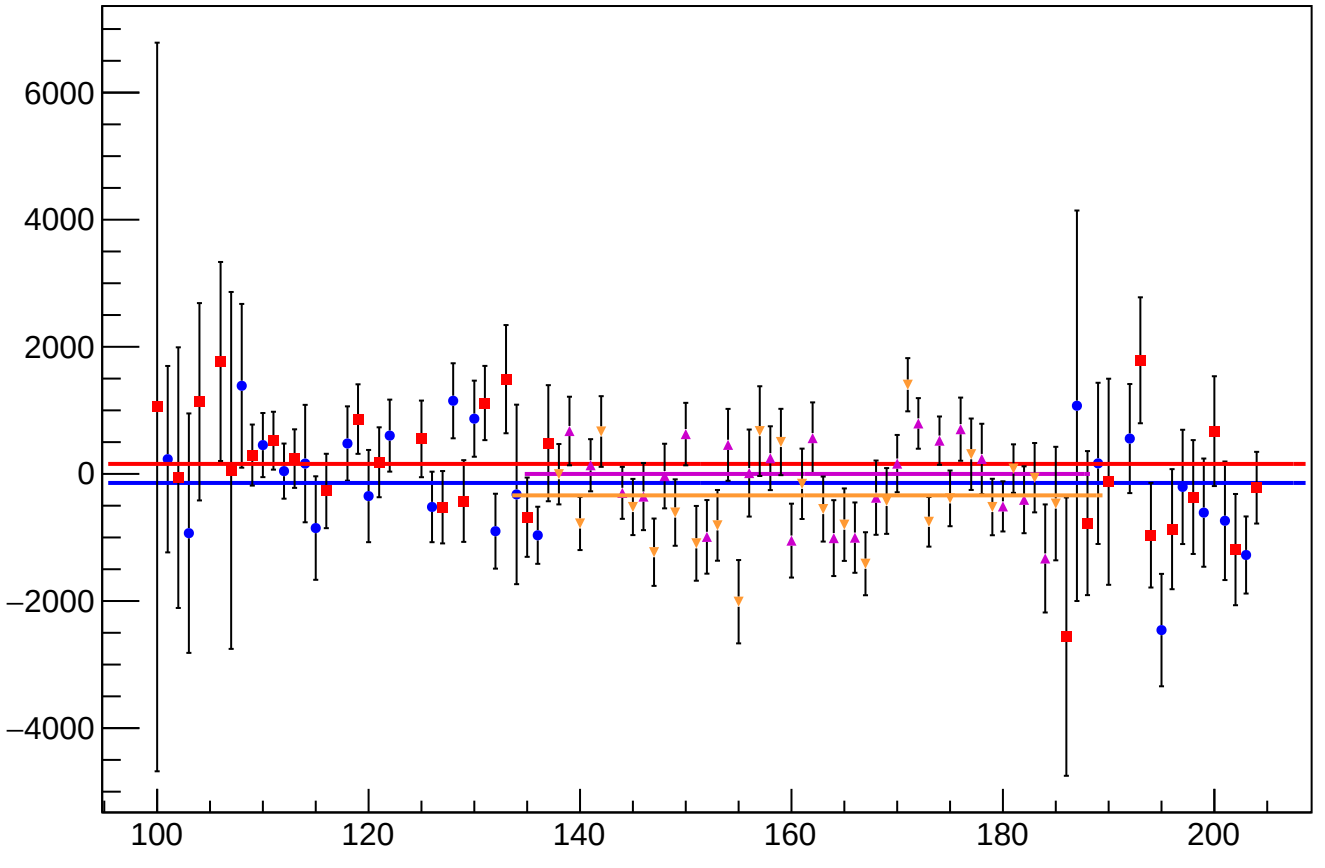
Left: 1083.230+/-0.126 χ^2/NDF: 111366.1/46

Right: 1122.392+/-0.151 χ^2/NDF: 856244.9/51

In: 1097.340+/-0.139 χ^2/NDF:692081.5/46

Out: 1101.195+/-0.135 χ^2/NDF:314713.5/51

All: 1099.321+/-0.097 χ^2/NDF: 1007191.0/98



Right In: -142.151+/-143.868 χ^2/NDF: 32.1/23

Left Out: -337.727+/-102.601 χ^2/NDF:48.8/23

Right Out: 157.298+/-137.353 χ^2/NDF: 25.7/27

Left In: -0.547+/-104.733 χ^2/NDF:31.9/22

Left: -172.603+/-73.292 χ^2/NDF: 85.9/46

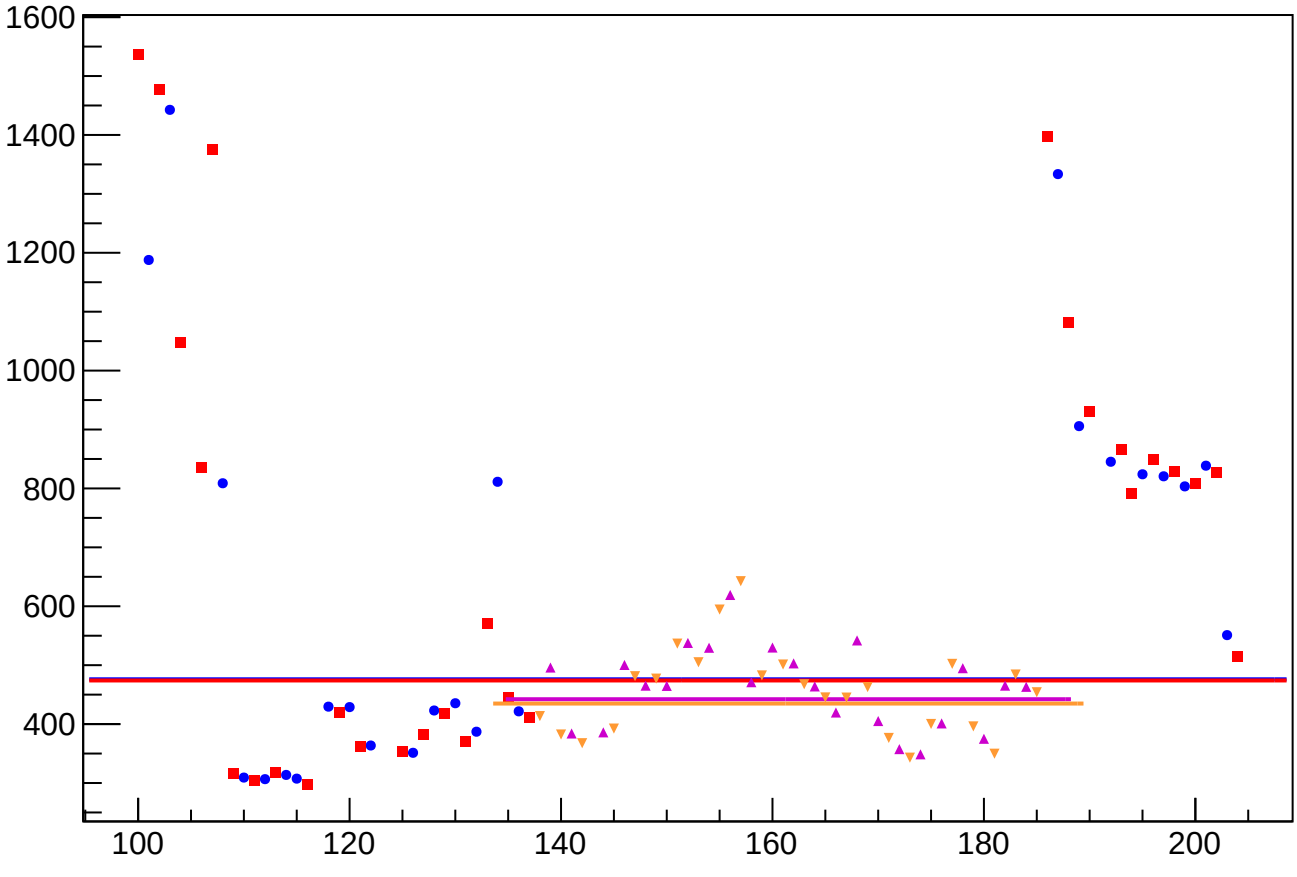
Right: 14.507+/-99.347 χ^2/NDF: 60.1/51

In: -49.596+/-84.673 χ^2/NDF:64.6/46

Out: -160.435+/-82.200 χ^2/NDF:82.8/51

All: -106.658+/-58.979 χ^2/NDF: 148.3/98

asym_us_dd_atlr_dd_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 476.061+/-0.102 χ^2/NDF: 4204482.4/23

Left Out: 434.858+/-0.073 χ^2/NDF:878416.4/23

Right Out: 474.048+/-0.097 χ^2/NDF: 5354410.3/27

Left In: 442.209+/-0.074 χ^2/NDF:825972.2/22

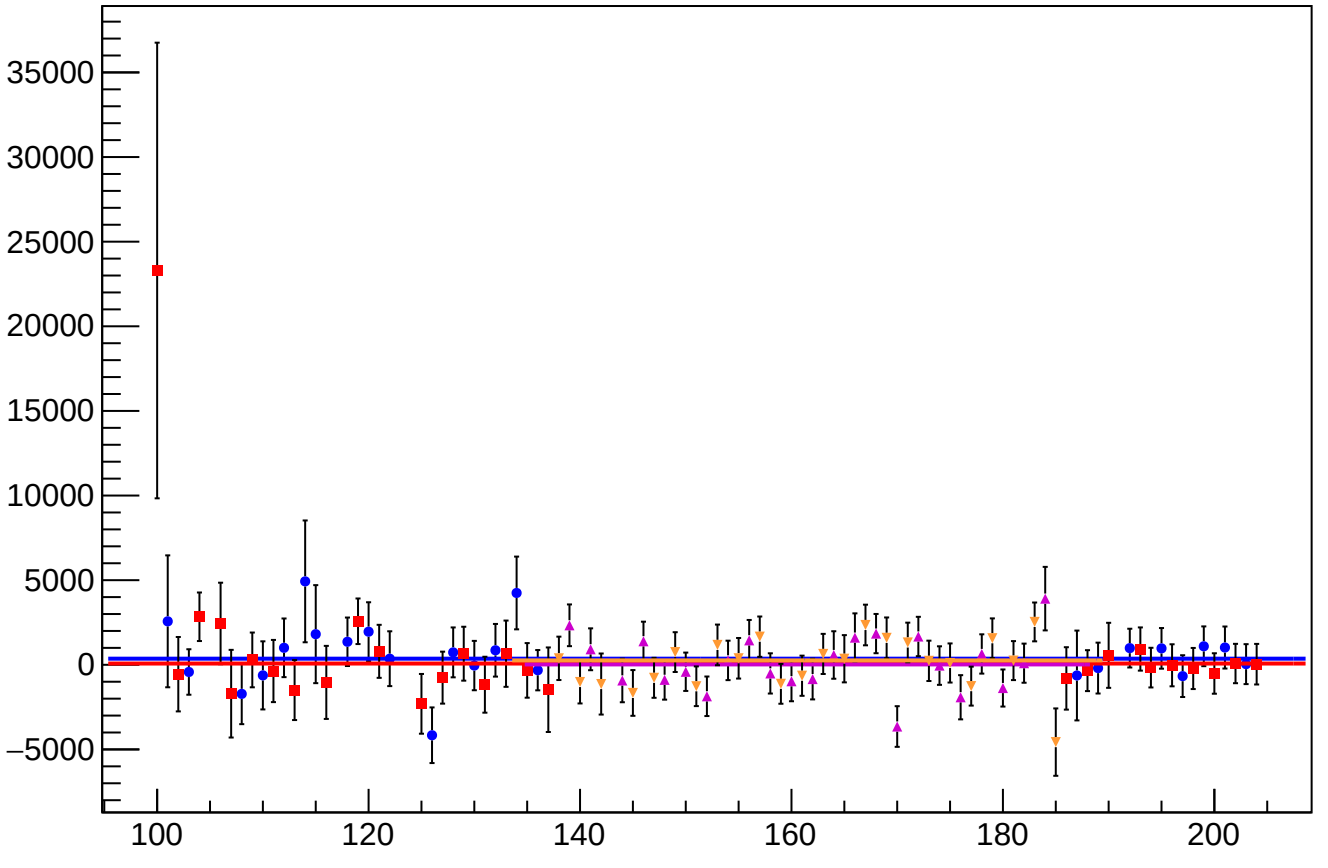
Left: 438.458+/-0.052 χ^2/NDF: 1709415.0/46

Right: 475.008+/-0.070 χ^2/NDF: 9559097.5/51

In: 453.934+/-0.060 χ^2/NDF:5102830.2/46

Out: 448.894+/-0.058 χ^2/NDF:6337330.0/51

All: 451.340+/-0.042 χ^2/NDF: 11443808.6/98



Right In: 361.720+/-311.068 χ^2/NDF: 19.3/23

Left Out: 260.639+/-251.401 χ^2/NDF:28.2/23

Right Out: 74.785+/-294.198 χ^2/NDF: 17.6/27

Left In: 22.362+/-253.332 χ^2/NDF:35.8/22

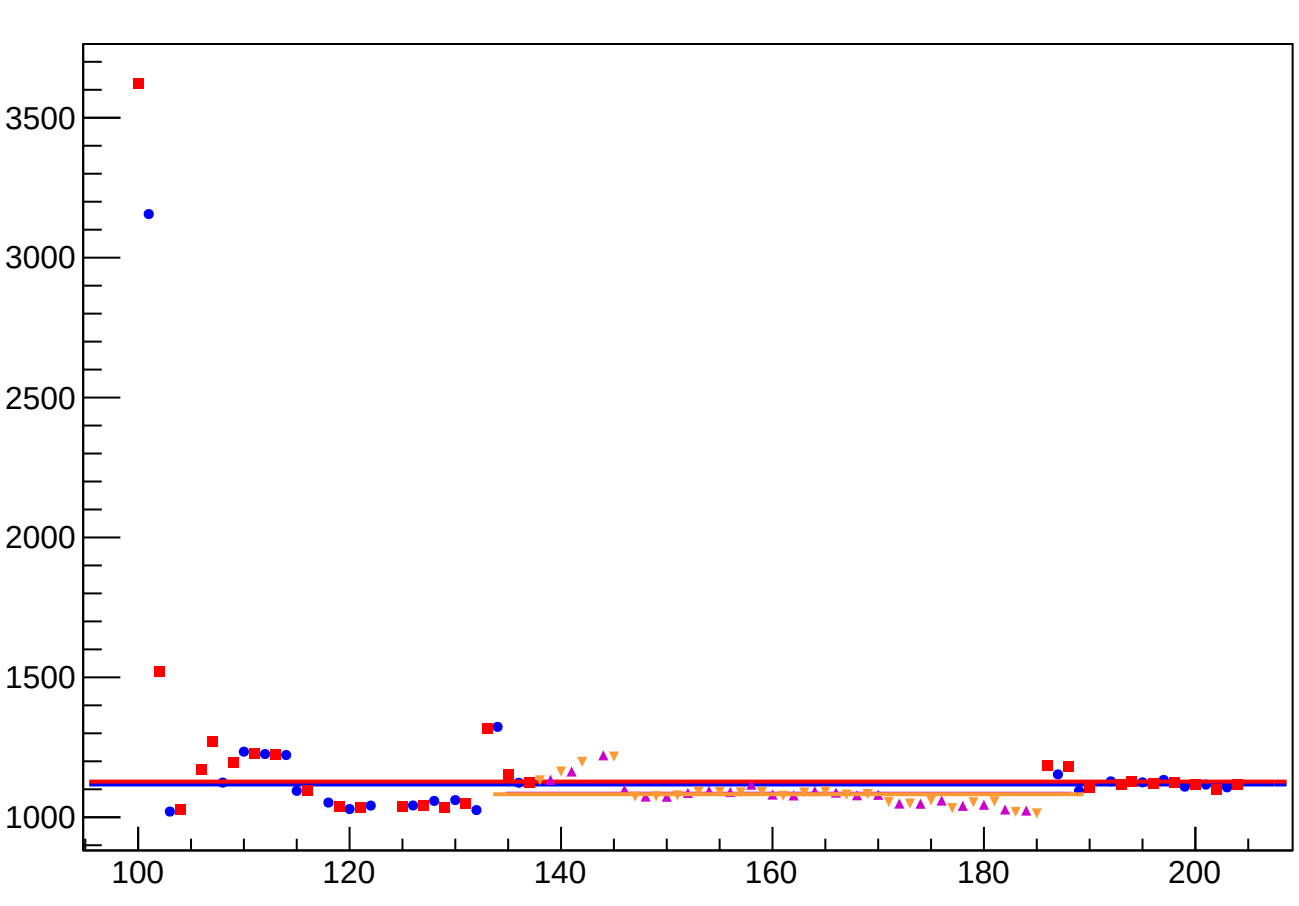
Left: 142.412+/-178.446 χ^2/NDF: 64.5/46

Right: 210.261+/-213.744 χ^2/NDF: 37.3/51

In: 157.686+/-196.432 χ^2/NDF:55.8/46

Out: 182.201+/-191.124 χ^2/NDF:46.0/51

All: 170.279+/-136.983 χ^2/NDF: 101.8/98



Right In: 1117.202+/-0.220 χ^2/NDF: 625080.8/23

Left Out: 1082.308+/-0.178 χ^2/NDF:57873.0/23

Right Out: 1127.480+/-0.208 χ^2/NDF: 230729.3/27

Left In: 1084.166+/-0.179 χ^2/NDF:53438.8/22

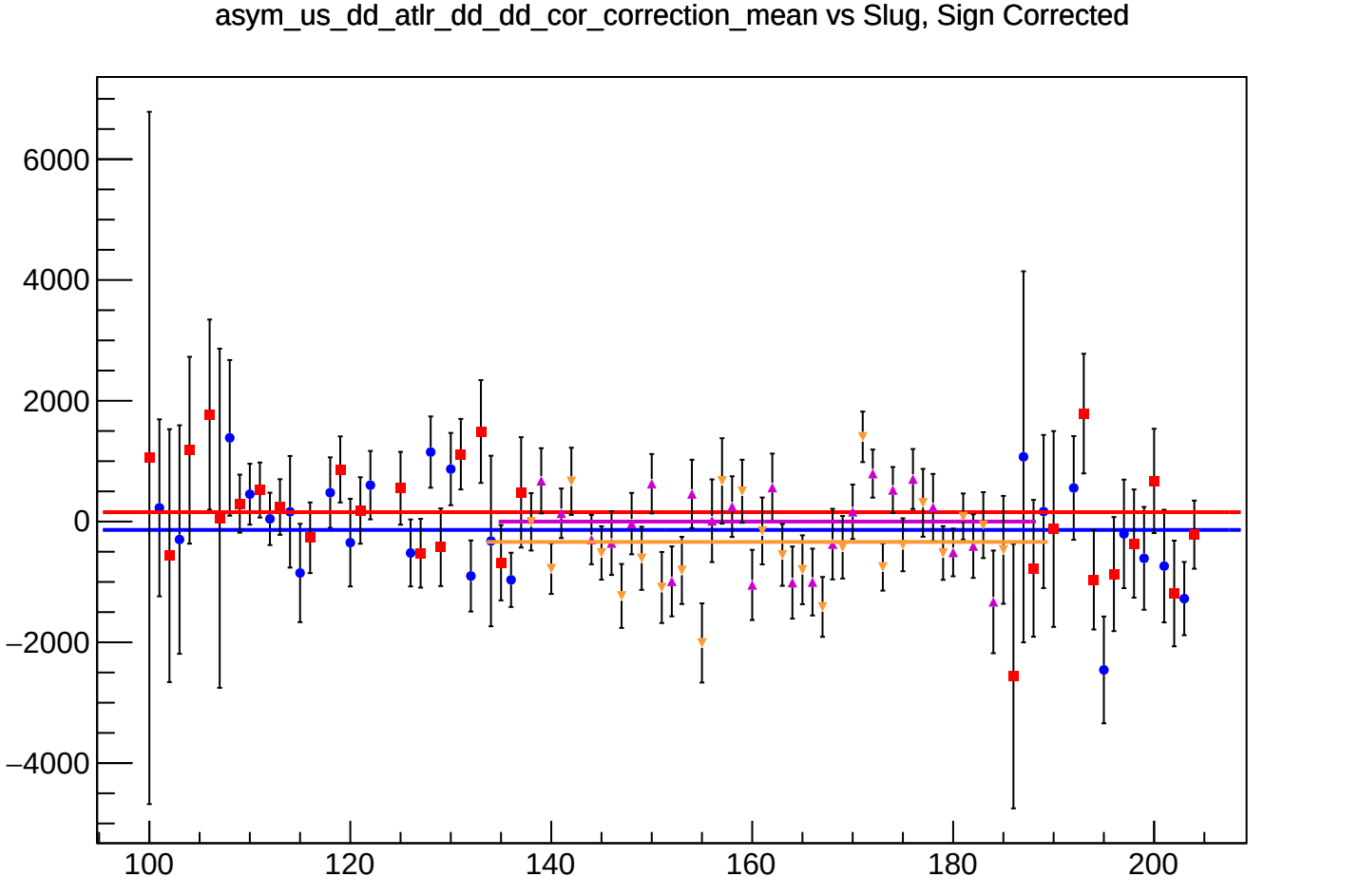
Left: 1083.230+/-0.126 χ^2/NDF: 111366.0/46

Right: 1122.627+/-0.151 χ^2/NDF: 856962.5/51

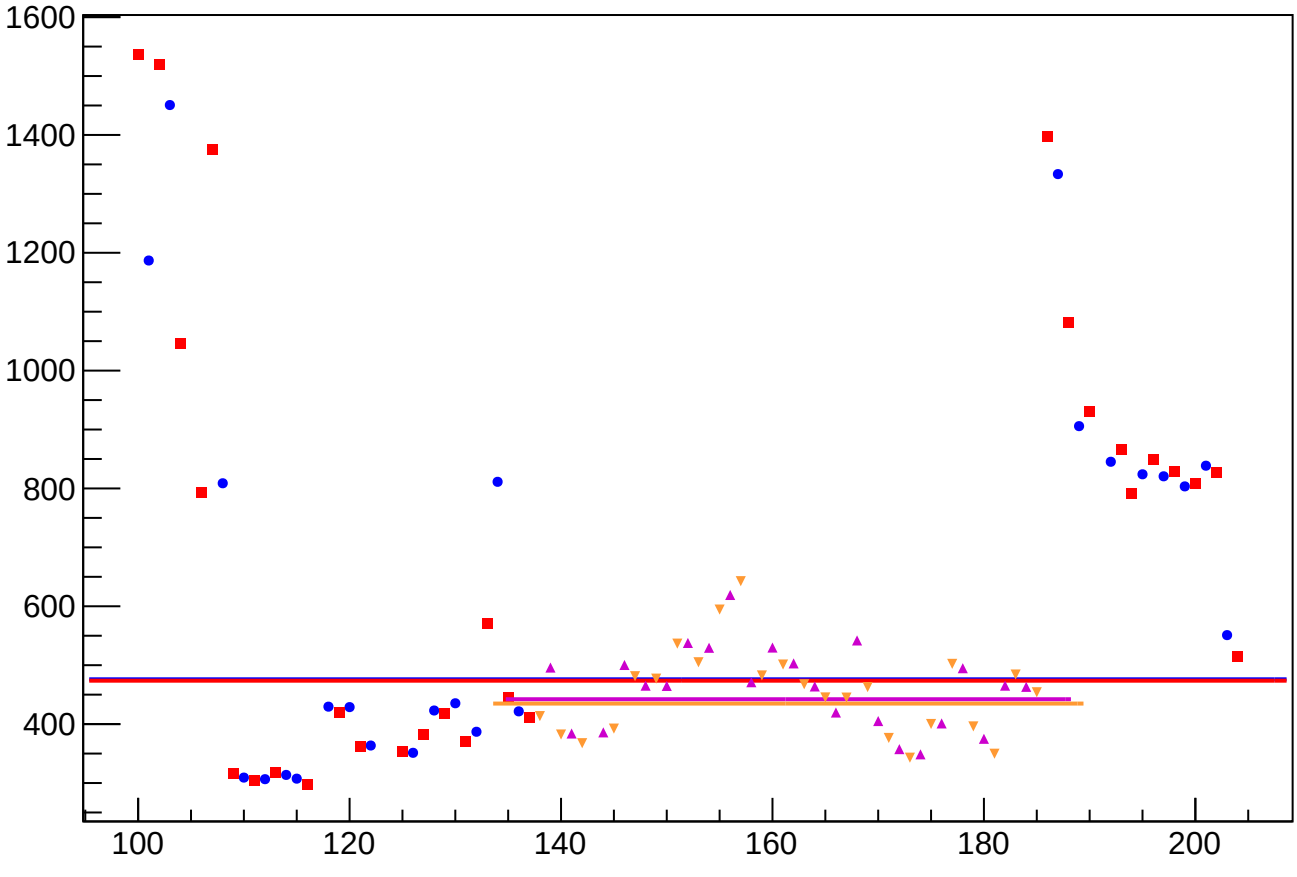
In: 1097.340+/-0.139 χ^2/NDF:692082.4/46

Out: 1101.372+/-0.135 χ^2/NDF:315854.1/51

All: 1099.411+/-0.097 χ^2/NDF: 1008369.4/98


asym_us_dd_atlr_dd_dd_cor_correction_mean vs Slug, Sign Corrected
6000
4000
2000
0
−2000
−4000
100
120
140
160
180
200
Right In: -138.584+/-143.869 χ²/NDF: 31.9/23
Left Out: -337.816+/-102.601 χ²/NDF:48.8/23
Right Out: 155.470+/-137.369 χ²/NDF: 25.8/27
Left In: -0.567+/-104.733 χ²/NDF:31.9/22
Left: -172.659+/-73.292 χ²/NDF: 85.9/46
Right: 15.236+/-99.353 χ²/NDF: 60.0/51
In: -48.373+/-84.673 χ²/NDF:64.4/46
Out: -161.174+/-82.203 χ²/NDF:82.9/51
All: -106.443+/-58.980 χ²/NDF: 148.2/98

asym_us_dd_atlr_dd_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 476.053+/-0.102 χ^2/NDF: 4208300.0/23

Left Out: 434.856+/-0.073 χ^2/NDF:878507.3/23

Right Out: 473.709+/-0.097 χ^2/NDF: 5348999.4/27

Left In: 442.210+/-0.074 χ^2/NDF:825844.5/22

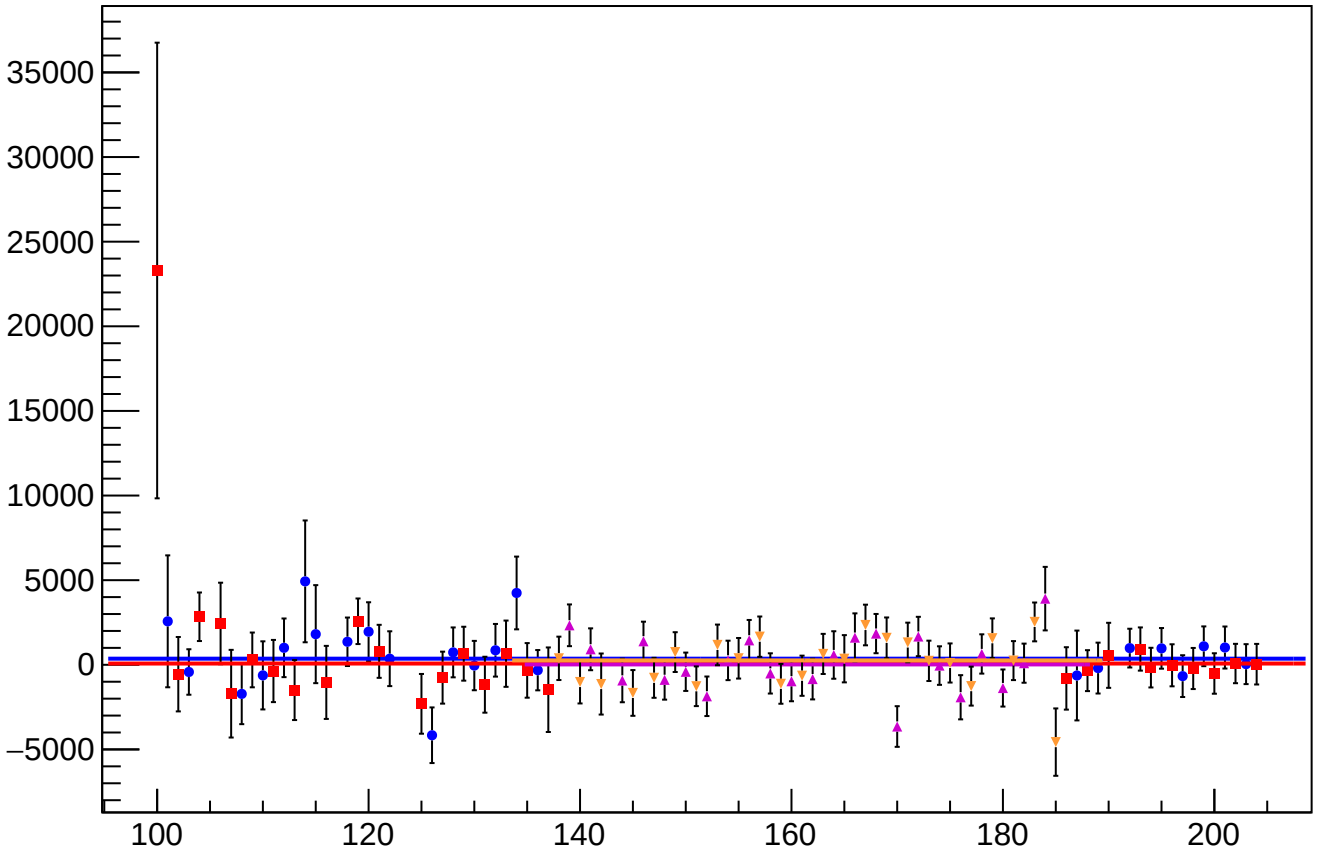
Left: 438.457+/-0.052 χ^2/NDF: 1709383.2/46

Right: 474.827+/-0.070 χ^2/NDF: 9557577.0/51

In: 453.932+/-0.060 χ^2/NDF:5106481.5/46

Out: 448.769+/-0.058 χ^2/NDF:6330209.7/51

All: 451.274+/-0.042 χ^2/NDF: 11440519.8/98



Right In: 361.720+/-311.068 χ^2/NDF: 19.3/23

Left Out: 260.639+/-251.401 χ^2/NDF:28.2/23

Right Out: 74.785+/-294.198 χ^2/NDF: 17.6/27

Left In: 22.362+/-253.332 χ^2/NDF:35.8/22

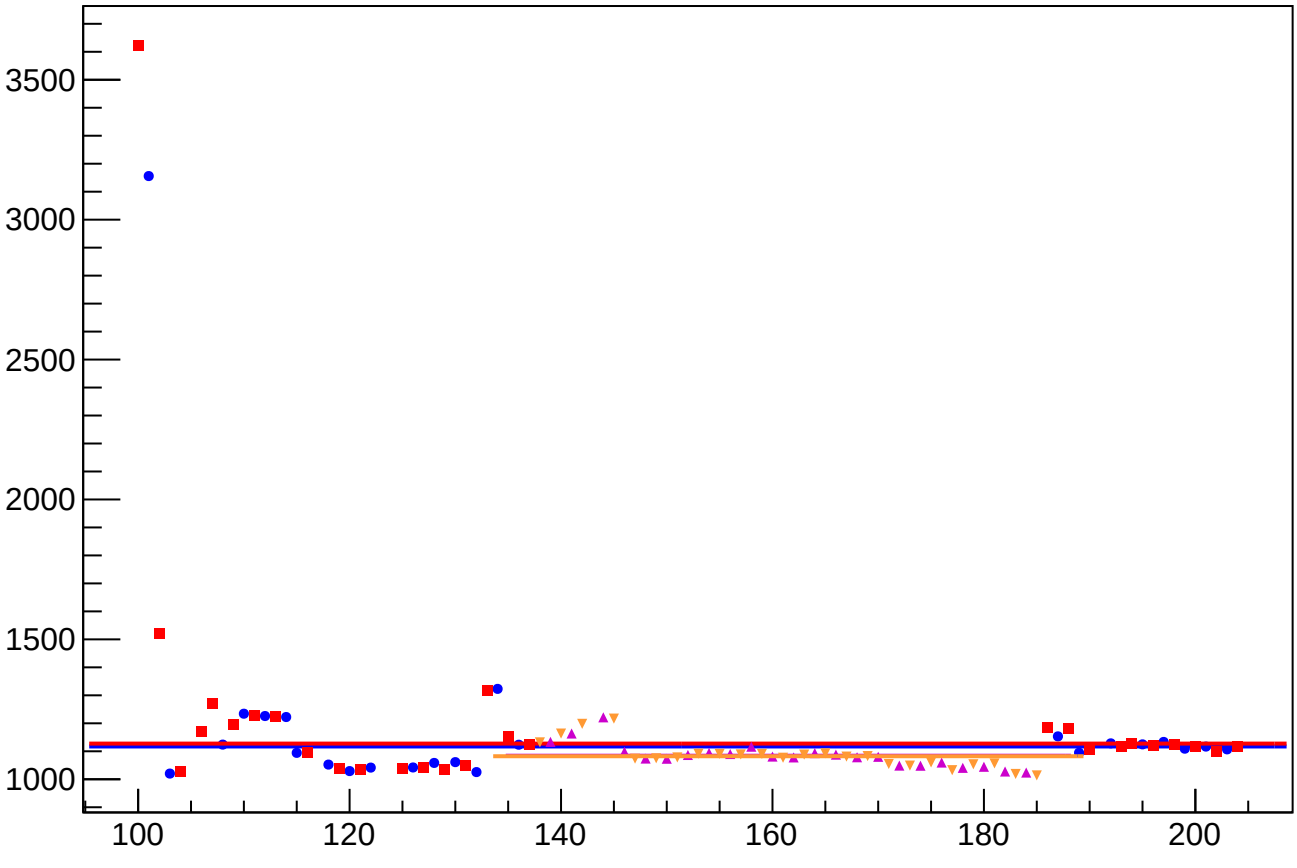
Left: 142.412+/-178.446 χ^2/NDF: 64.5/46

Right: 210.261+/-213.744 χ^2/NDF: 37.3/51

In: 157.686+/-196.432 χ^2/NDF:55.8/46

Out: 182.201+/-191.124 χ^2/NDF:46.0/51

All: 170.279+/-136.983 χ^2/NDF: 101.8/98



Right In: 1117.202+/-0.220 χ^2/NDF: 625080.8/23

Left Out: 1082.308+/-0.178 χ^2/NDF:57873.0/23

Right Out: 1127.480+/-0.208 χ^2/NDF: 230729.3/27

Left In: 1084.166+/-0.179 χ^2/NDF:53438.8/22

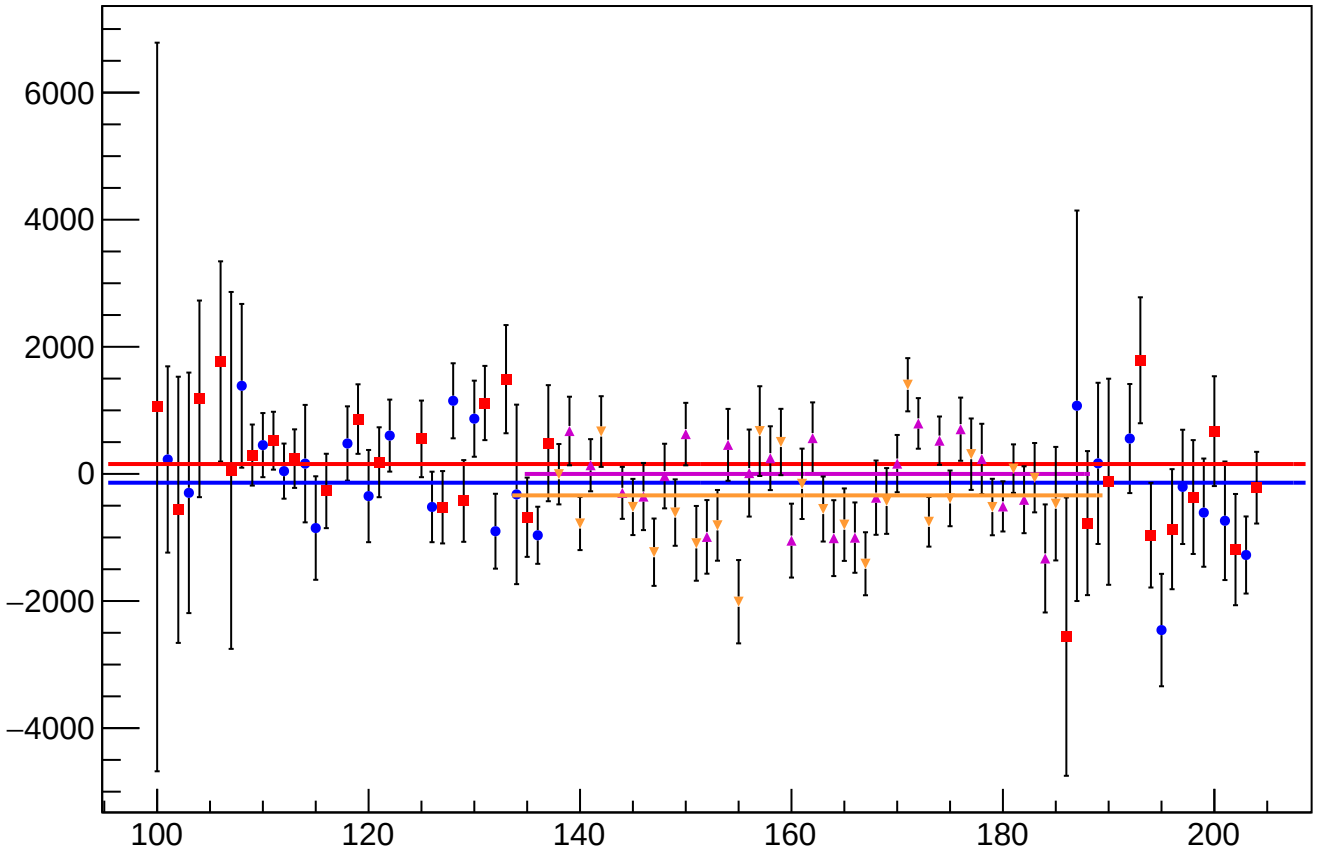
Left: 1083.230+/-0.126 χ^2/NDF: 111366.0/46

Right: 1122.627+/-0.151 χ^2/NDF: 856962.5/51

In: 1097.340+/-0.139 χ^2/NDF:692082.4/46

Out: 1101.372+/-0.135 χ^2/NDF:315854.1/51

All: 1099.411+/-0.097 χ^2/NDF: 1008369.4/98


asym_us_dd_atlr_dd_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
6000
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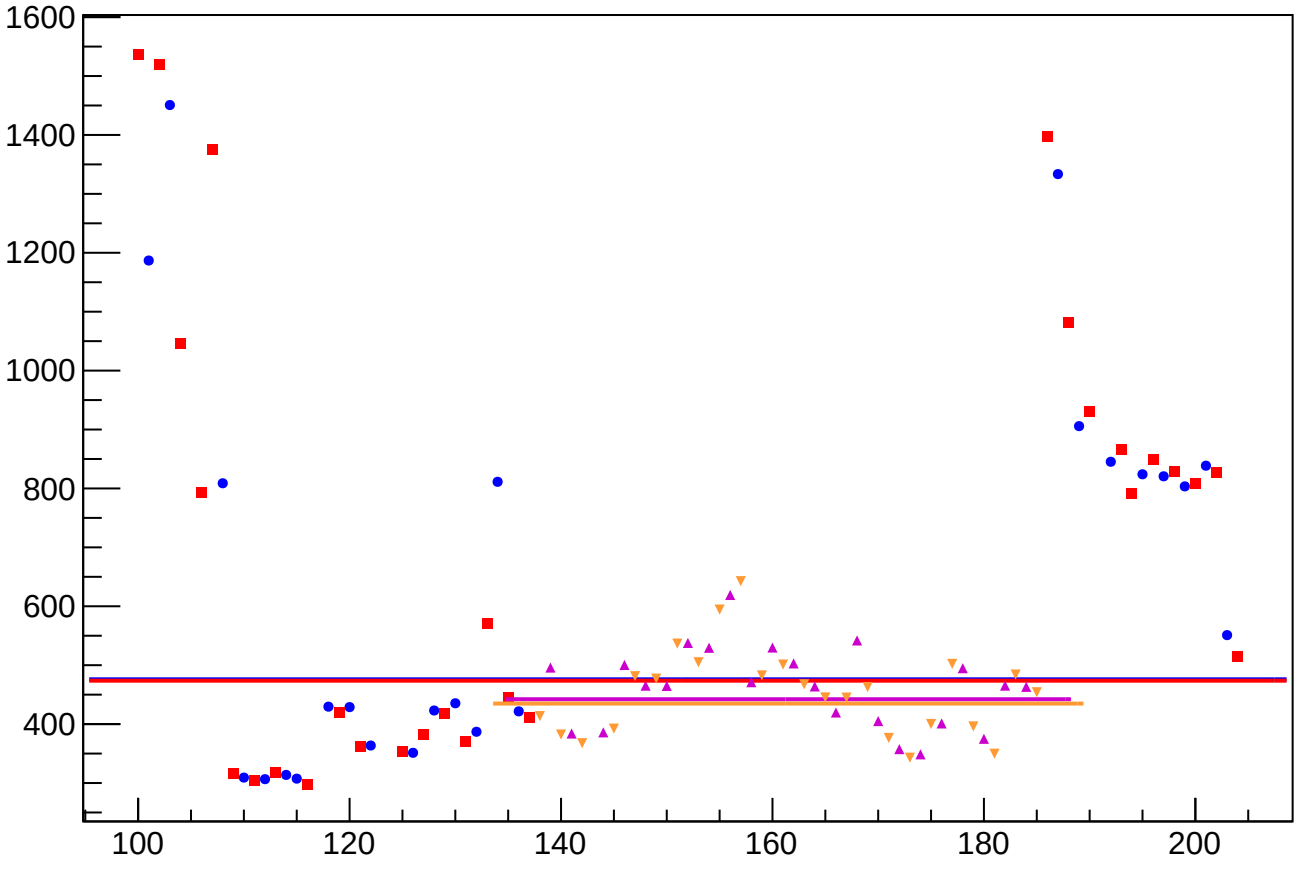
−2000
−4000
100
120
140
160
180
200
Right In: -138.584+/-143.869 χ²/NDF: 31.9/23
Left Out: -337.816+/-102.601 χ²/NDF:48.8/23
Right Out: 155.470+/-137.369 χ²/NDF: 25.8/27
Left In: -0.567+/-104.733 χ²/NDF:31.9/22
Left: -172.659+/-73.292 χ²/NDF: 85.9/46
Right: 15.236+/-99.353 χ²/NDF: 60.0/51
In: -48.373+/-84.673 χ²/NDF:64.4/46
Out: -161.174+/-82.203 χ²/NDF:82.9/51
All: -106.443+/-58.980 χ²/NDF: 148.2/98

asym_us_dd_atlr_dd_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 476.053+/-0.102 χ^2/NDF: 4208300.0/23

Left Out: 434.856+/-0.073 χ^2/NDF:878507.3/23

Right Out: 473.709+/-0.097 χ^2/NDF: 5348999.4/27

Left In: 442.210+/-0.074 χ^2/NDF:825844.5/22

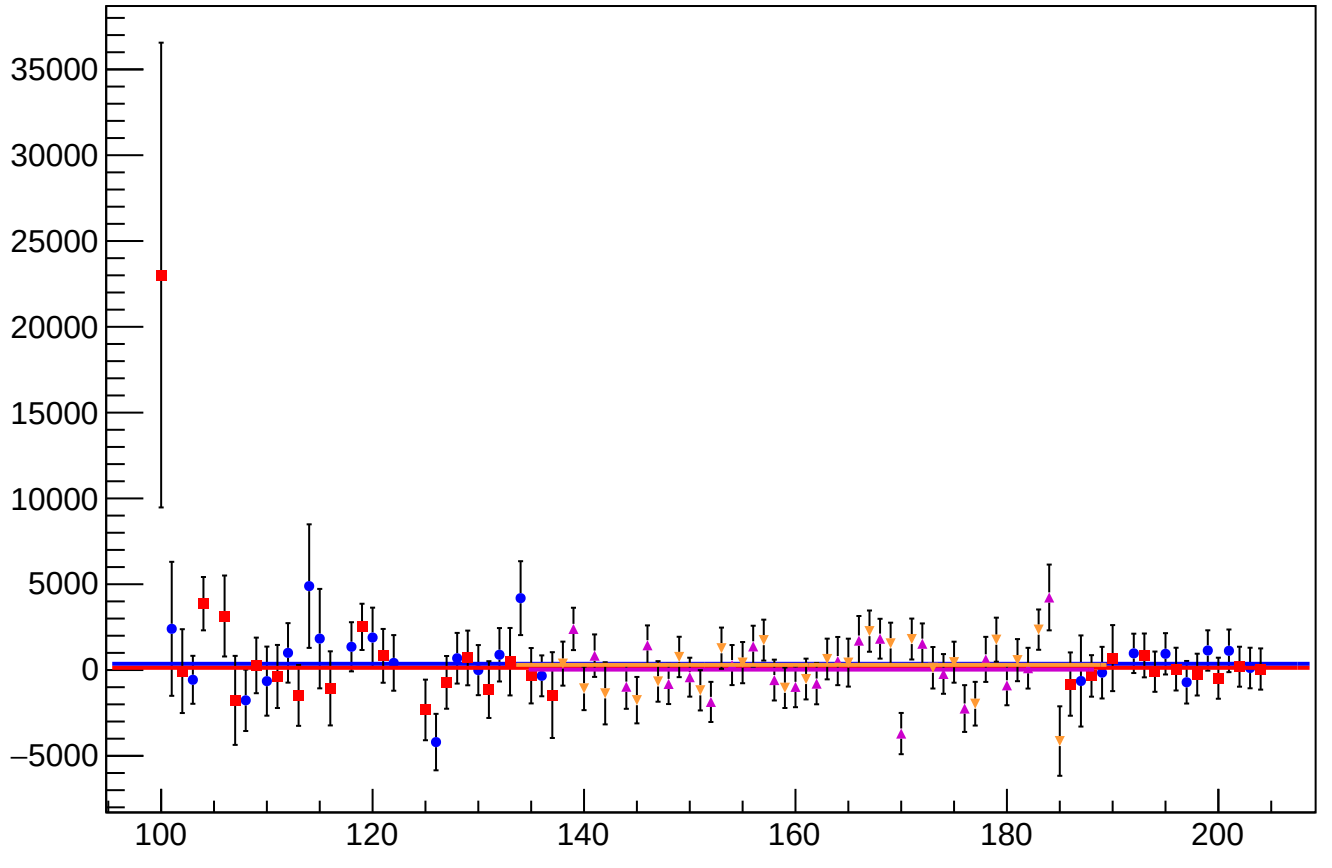
Left: 438.457+/-0.052 χ^2/NDF: 1709383.2/46

Right: 474.827+/-0.070 χ^2/NDF: 9557577.0/51

In: 453.932+/-0.060 χ^2/NDF:5106481.5/46

Out: 448.769+/-0.058 χ^2/NDF:6330209.7/51

All: 451.274+/-0.042 χ^2/NDF: 11440519.8/98



Right In: 363.198+/-312.090 χ^2/NDF: 19.4/23

Left Out: 303.404+/-255.556 χ^2/NDF:28.5/23

Right Out: 129.829+/-295.848 χ^2/NDF: 20.1/27

Left In: 25.319+/-256.866 χ^2/NDF:35.9/22

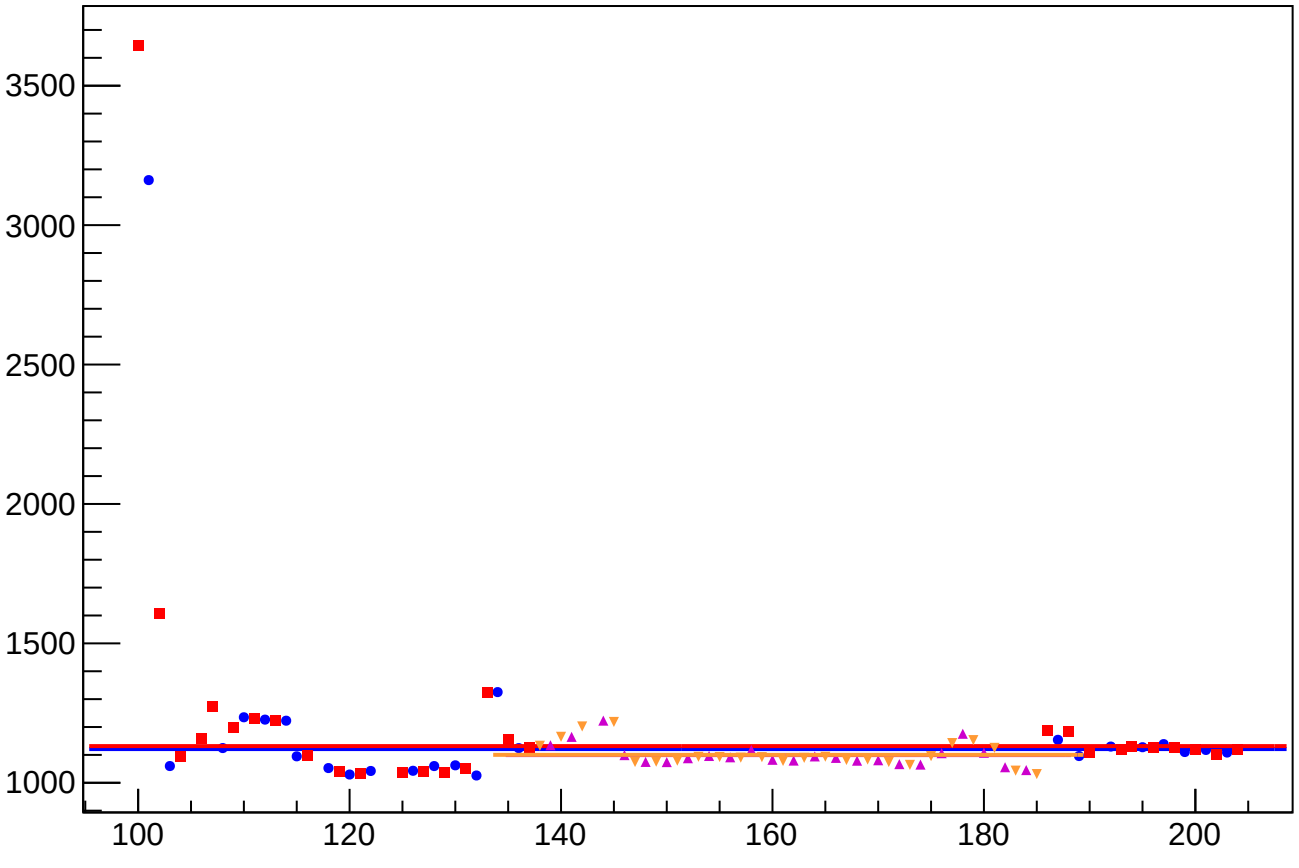
Left: 165.072+/-181.167 χ^2/NDF: 64.9/46

Right: 240.283+/-214.709 χ^2/NDF: 39.8/51

In: 161.769+/-198.329 χ^2/NDF:56.0/46

Out: 229.232+/-193.394 χ^2/NDF:48.8/51

All: 196.350+/-138.462 χ^2/NDF: 104.8/98



Right In: 1120.936+/-0.221 χ^2/NDF: 618885.7/23

Left Out: 1100.258+/-0.181 χ^2/NDF:48774.1/23

Right Out: 1131.569+/-0.209 χ^2/NDF: 235378.5/27

Left In: 1099.342+/-0.182 χ^2/NDF:44785.6/22

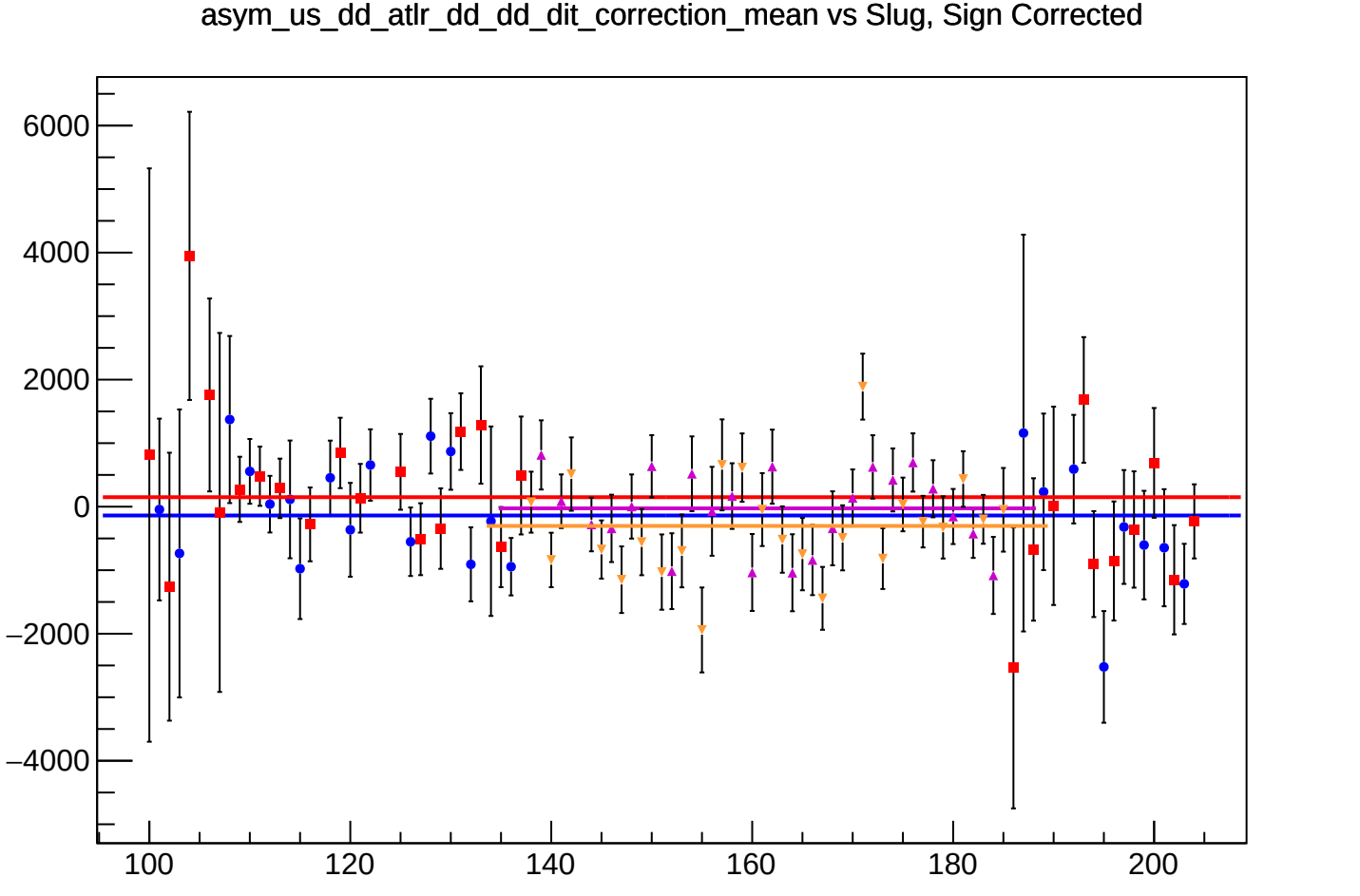
Left: 1099.802+/-0.128 χ^2/NDF: 93572.4/46

Right: 1126.537+/-0.152 χ^2/NDF: 855487.0/51

In: 1108.063+/-0.140 χ^2/NDF:669379.6/46

Out: 1113.638+/-0.137 χ^2/NDF:296982.0/51

All: 1110.920+/-0.098 χ^2/NDF: 967171.7/98


asym_us_dd_atlr_dd_dd_dit_correction_mean vs Slug, Sign Corrected
6000
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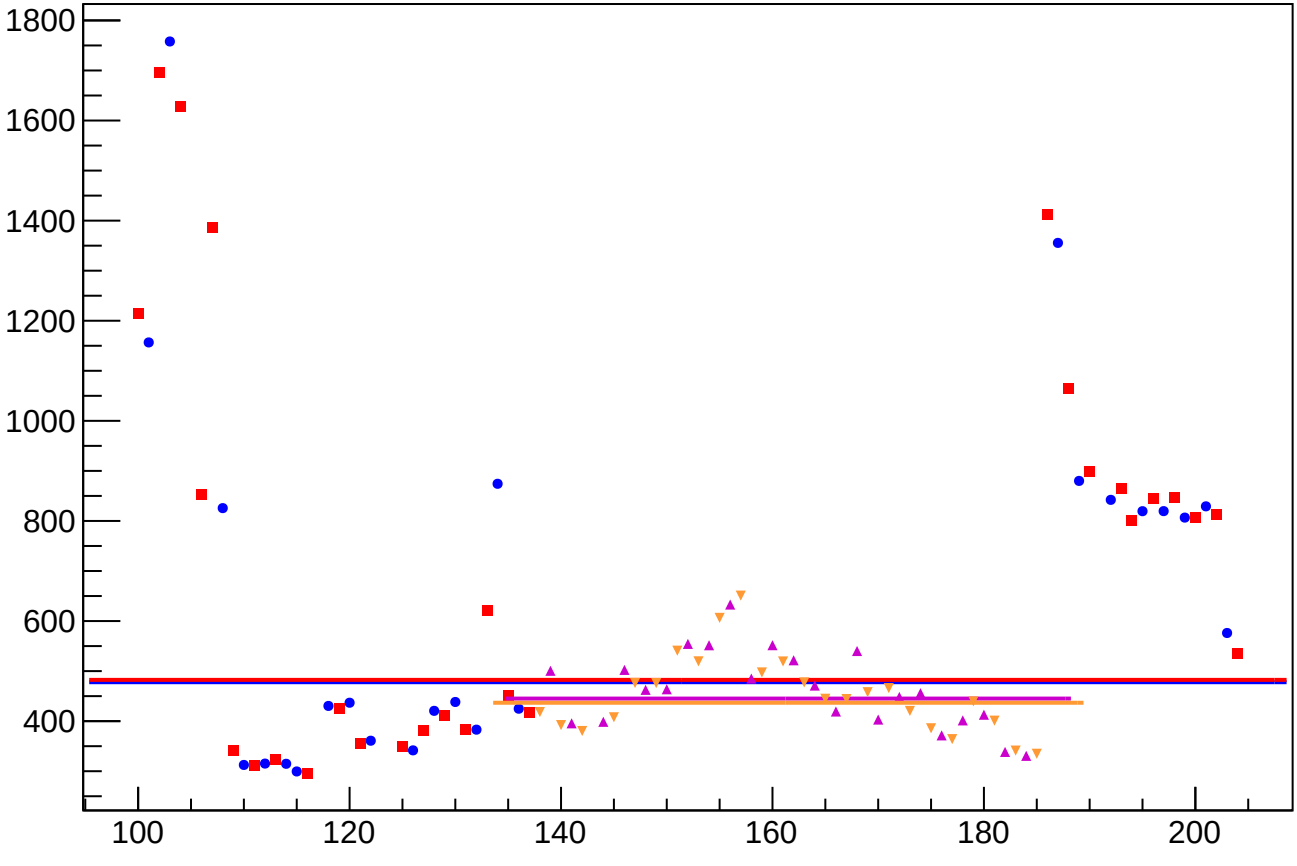
200
Right In: -138.641+/-144.483 χ²/NDF: 32.4/23
Left Out: -303.217+/-102.979 χ²/NDF:49.5/23
Right Out: 149.301+/-139.387 χ²/NDF: 26.3/27
Left In: -26.740+/-105.420 χ²/NDF:27.9/22
Left: -168.216+/-73.665 χ²/NDF: 80.9/46
Right: 10.498+/-100.314 χ²/NDF: 60.8/51
In: -65.616+/-85.161 χ²/NDF:60.7/46
Out: -143.433+/-82.827 χ²/NDF:82.7/51
All: -105.606+/-59.375 χ²/NDF: 143.8/98

asym_us_dd_atlr_dd_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 477.832+/-0.102 χ^2/NDF: 4312241.6/23

Left Out: 436.787+/-0.073 χ^2/NDF:855206.3/23

Right Out: 482.480+/-0.099 χ^2/NDF: 5674671.3/27

Left In: 445.109+/-0.075 χ^2/NDF:874534.9/22

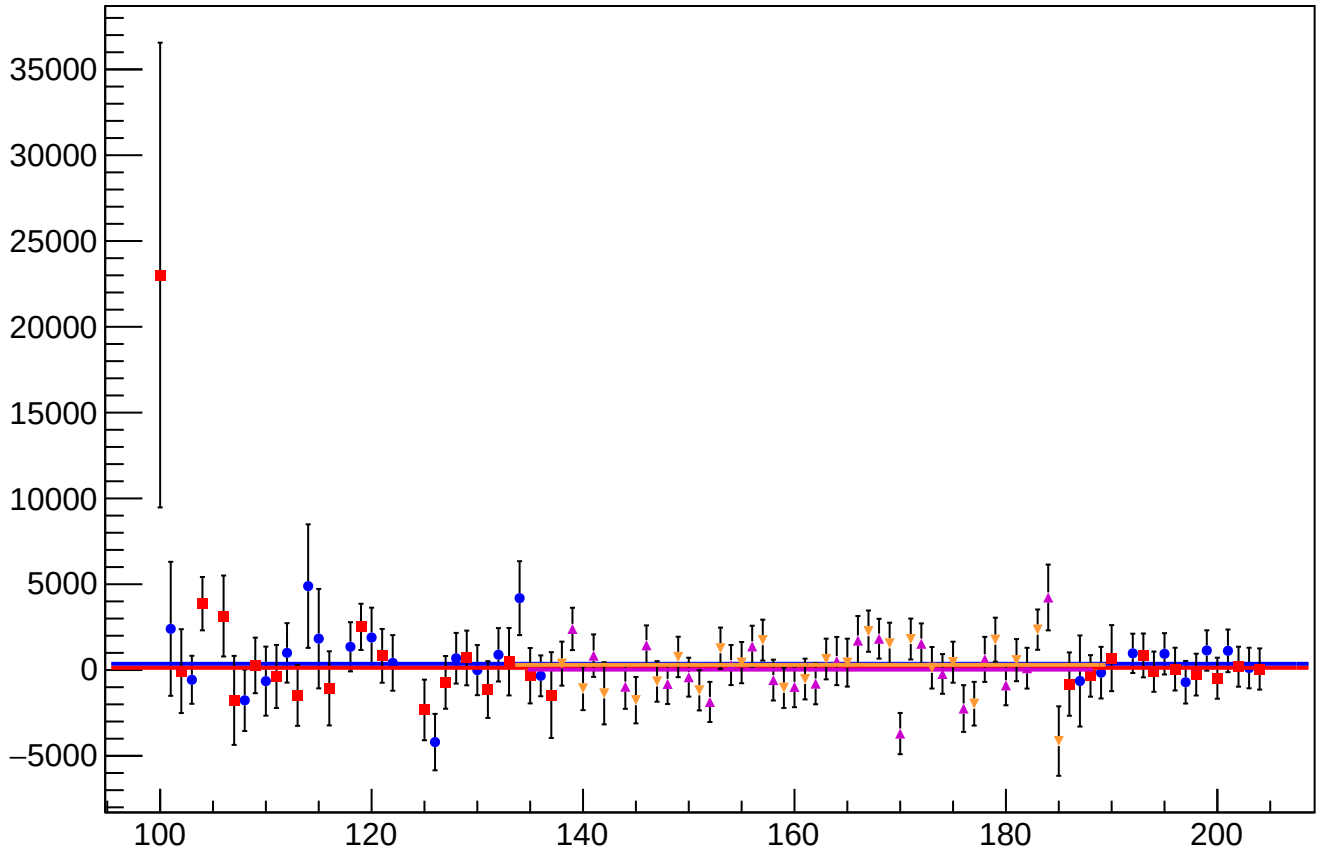
Left: 440.850+/-0.052 χ^2/NDF: 1736118.5/46

Right: 480.239+/-0.071 χ^2/NDF: 9987984.8/51

In: 456.478+/-0.060 χ^2/NDF:5253726.6/46

Out: 452.921+/-0.059 χ^2/NDF:6668911.8/51

All: 454.650+/-0.042 χ^2/NDF: 11924430.8/98



Right In: 363.201+/-312.090 χ^2/NDF: 19.4/23

Left Out: 303.402+/-255.556 χ^2/NDF:28.5/23

Right Out: 129.828+/-295.848 χ^2/NDF: 20.1/27

Left In: 25.320+/-256.866 χ^2/NDF:35.9/22

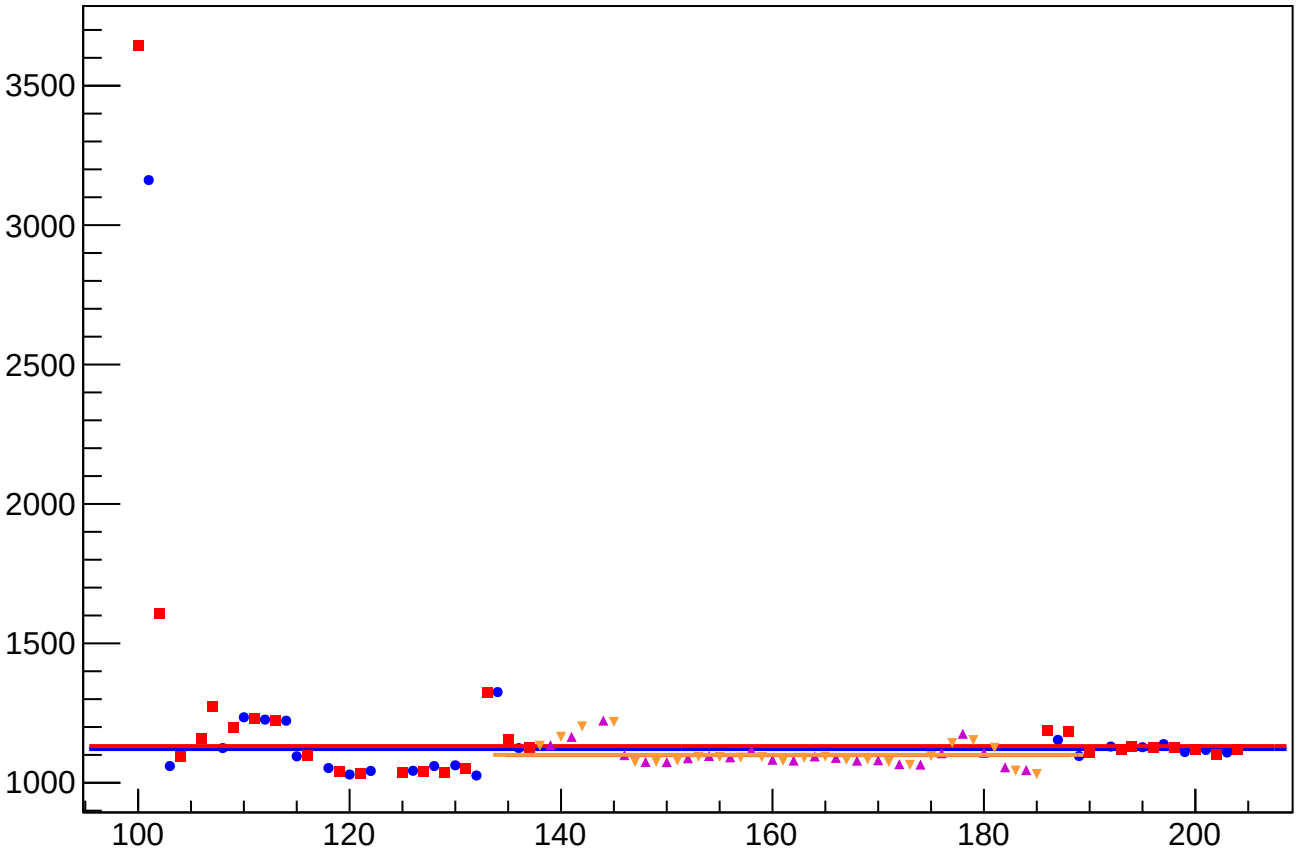
Left: 165.071+/-181.167 χ^2/NDF: 64.9/46

Right: 240.284+/-214.709 χ^2/NDF: 39.8/51

In: 161.770+/-198.329 χ^2/NDF:56.0/46

Out: 229.231+/-193.394 χ^2/NDF:48.8/51

All: 196.350+/-138.462 χ^2/NDF: 104.8/98



Right In: 1120.936+/-0.221 χ^2/NDF: 618885.7/23

Left Out: 1100.258+/-0.181 χ^2/NDF:48774.3/23

Right Out: 1131.569+/-0.209 χ^2/NDF: 235378.6/27

Left In: 1099.342+/-0.182 χ^2/NDF:44785.7/22

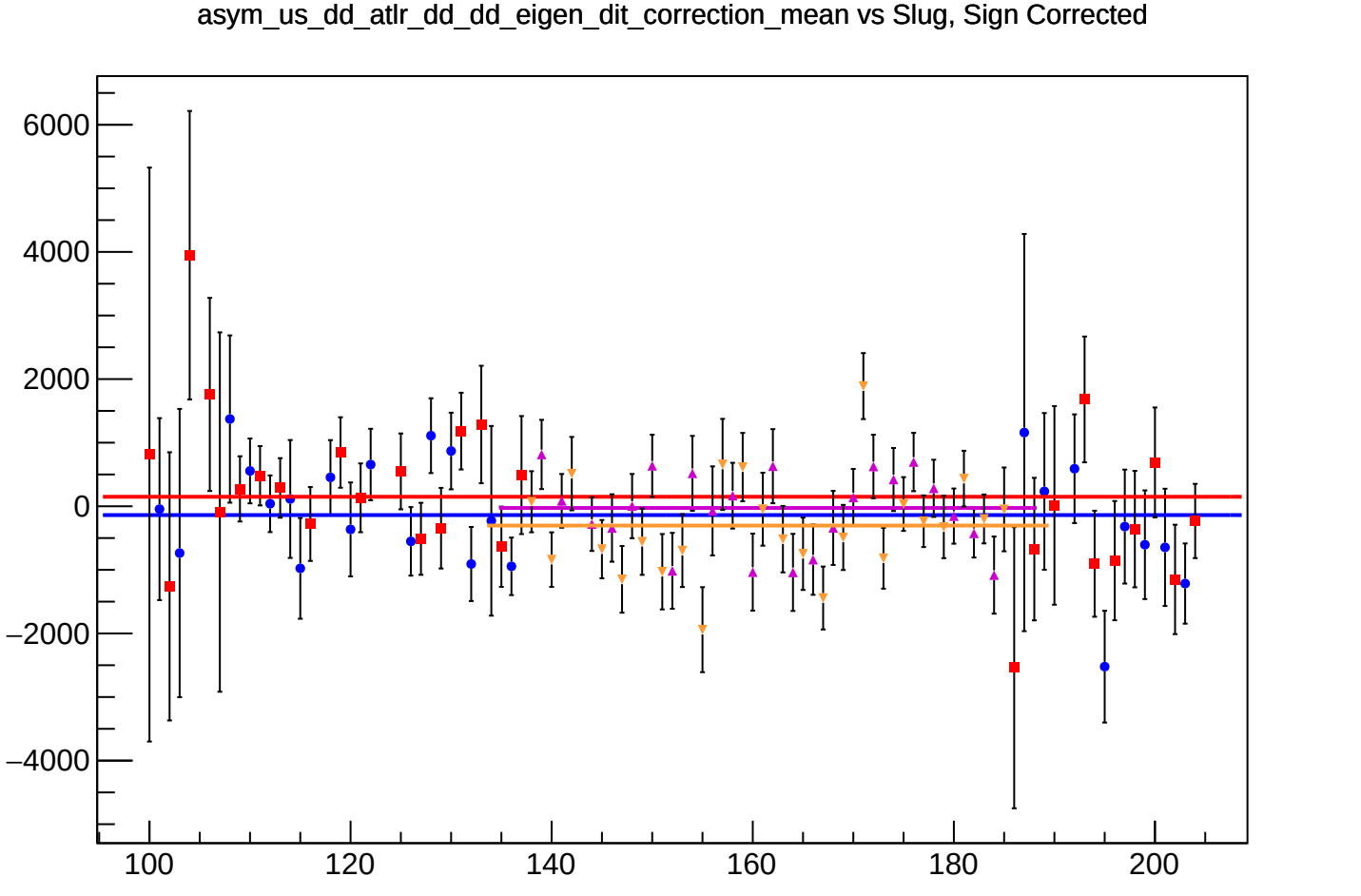
Left: 1099.802+/-0.128 χ^2/NDF: 93572.8/46

Right: 1126.536+/-0.152 χ^2/NDF: 855487.1/51

In: 1108.063+/-0.140 χ^2/NDF:669379.8/46

Out: 1113.638+/-0.137 χ^2/NDF:296982.2/51

All: 1110.920+/-0.098 χ^2/NDF: 967172.1/98


asym_us_dd_atlr_dd_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
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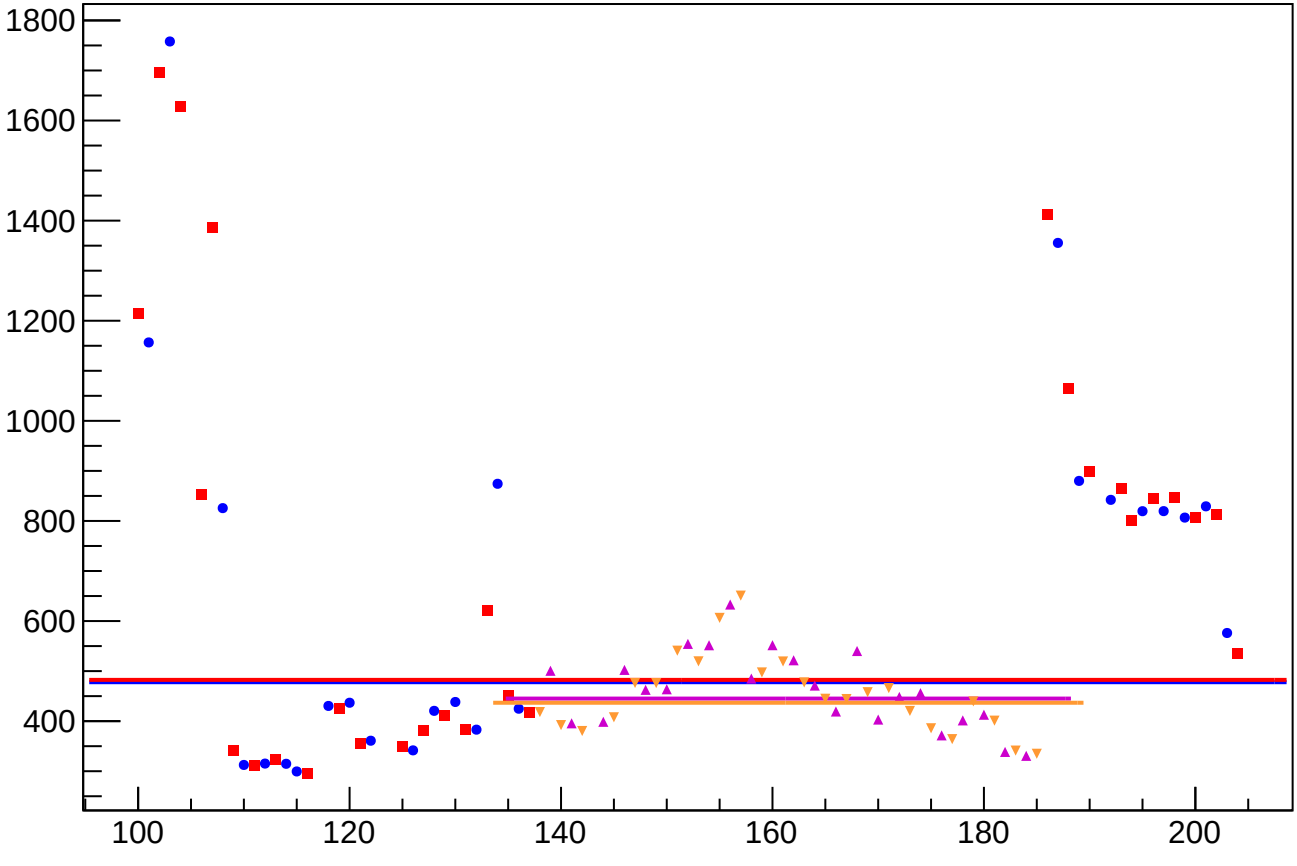
Right In: -138.641+/-144.482 χ²/NDF: 32.4/23
Left Out: -303.218+/-102.979 χ²/NDF:49.5/23
Right Out: 149.301+/-139.386 χ²/NDF: 26.3/27
Left In: -26.739+/-105.420 χ²/NDF:27.9/22
Left: -168.217+/-73.665 χ²/NDF: 80.9/46
Right: 10.497+/-100.314 χ²/NDF: 60.8/51
In: -65.616+/-85.161 χ²/NDF:60.7/46
Out: -143.433+/-82.826 χ²/NDF:82.7/51
All: -105.606+/-59.375 χ²/NDF: 143.8/98

asym_us_dd_atlr_dd_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 477.829+/-0.102 χ^2/NDF: 4312282.5/23

Left Out: 436.787+/-0.073 χ^2/NDF:855236.5/23

Right Out: 482.476+/-0.099 χ^2/NDF: 5674732.2/27

Left In: 445.108+/-0.075 χ^2/NDF:874568.8/22

Left: 440.850+/-0.052 χ^2/NDF: 1736182.6/46

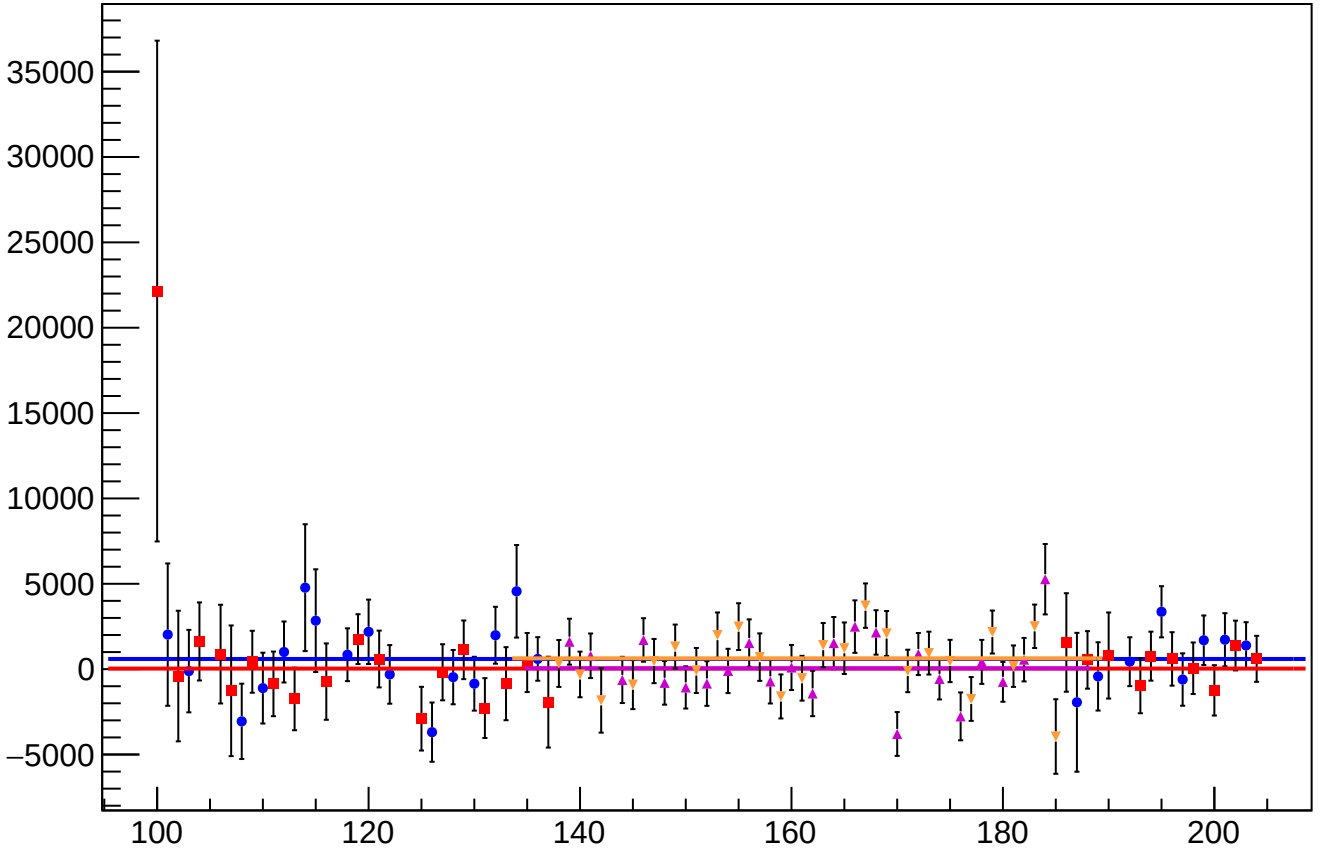
Right: 480.236+/-0.071 χ^2/NDF: 9988086.5/51

In: 456.476+/-0.060 χ^2/NDF:5253790.0/46

Out: 452.920+/-0.059 χ^2/NDF:6668984.4/51

All: 454.648+/-0.042 χ^2/NDF: 11924566.9/98

asym_us_dd_atlr_dd_dd_mean vs Slug, Sign Corrected



Right In: 596.032+/-364.255 χ^2/NDF: 22.9/23

Left Out: 632.875+/-274.060 χ^2/NDF:30.1/23

Right Out: 32.633+/-349.096 χ^2/NDF: 14.2/27

Left In: 50.835+/-276.213 χ^2/NDF:35.0/22

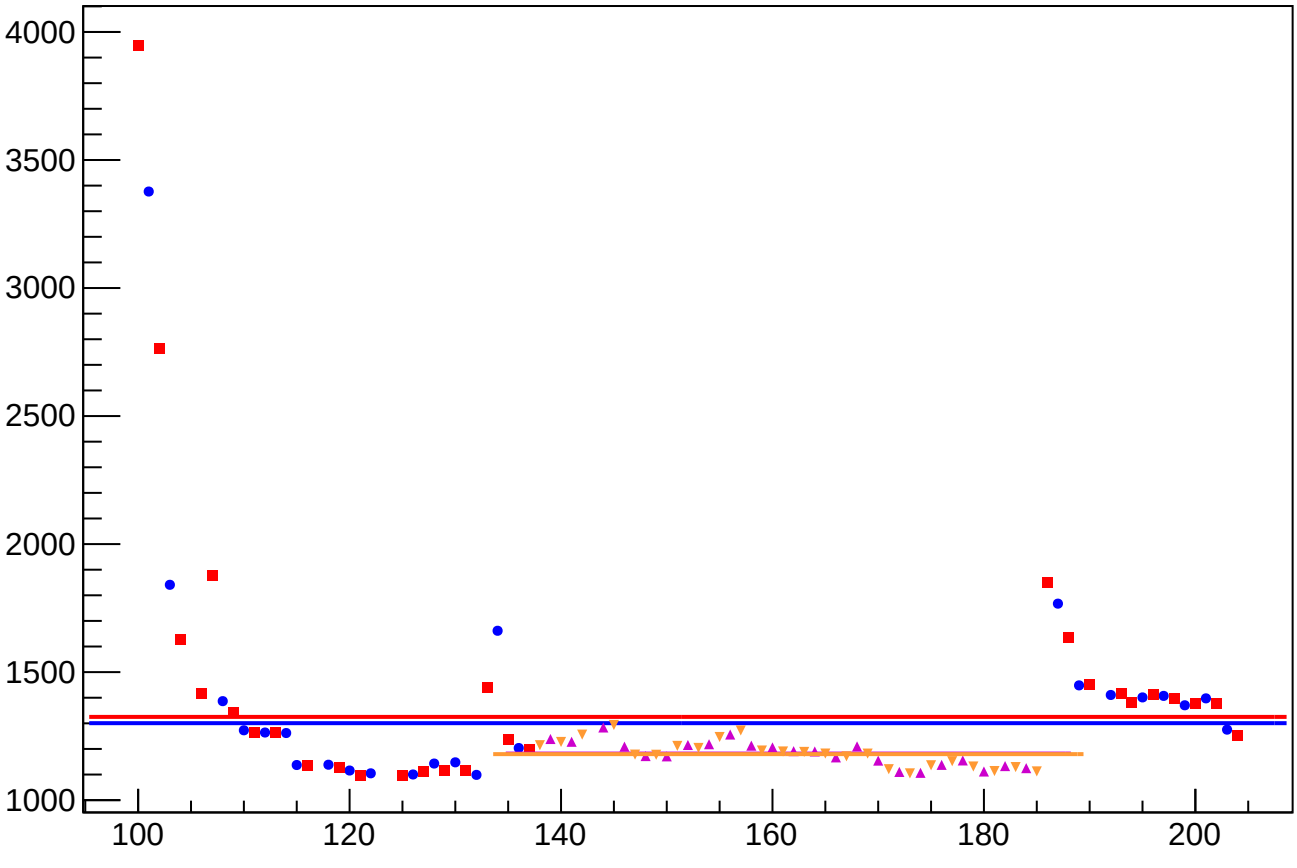
Left: 344.131+/-194.546 χ^2/NDF: 67.4/46

Right: 302.366+/-252.037 χ^2/NDF: 38.3/51

In: 249.878+/-220.091 χ^2/NDF:59.3/46

Out: 403.997+/-215.567 χ^2/NDF:46.2/51

All: 328.538+/-154.003 χ^2/NDF: 105.7/98



Right In: 1300.628+/-0.258 χ^2/NDF: 896007.8/23

Left Out: 1179.713+/-0.194 χ^2/NDF:64667.7/23

Right Out: 1325.137+/-0.247 χ^2/NDF: 826991.6/27

Left In: 1181.929+/-0.195 χ^2/NDF:60355.9/22

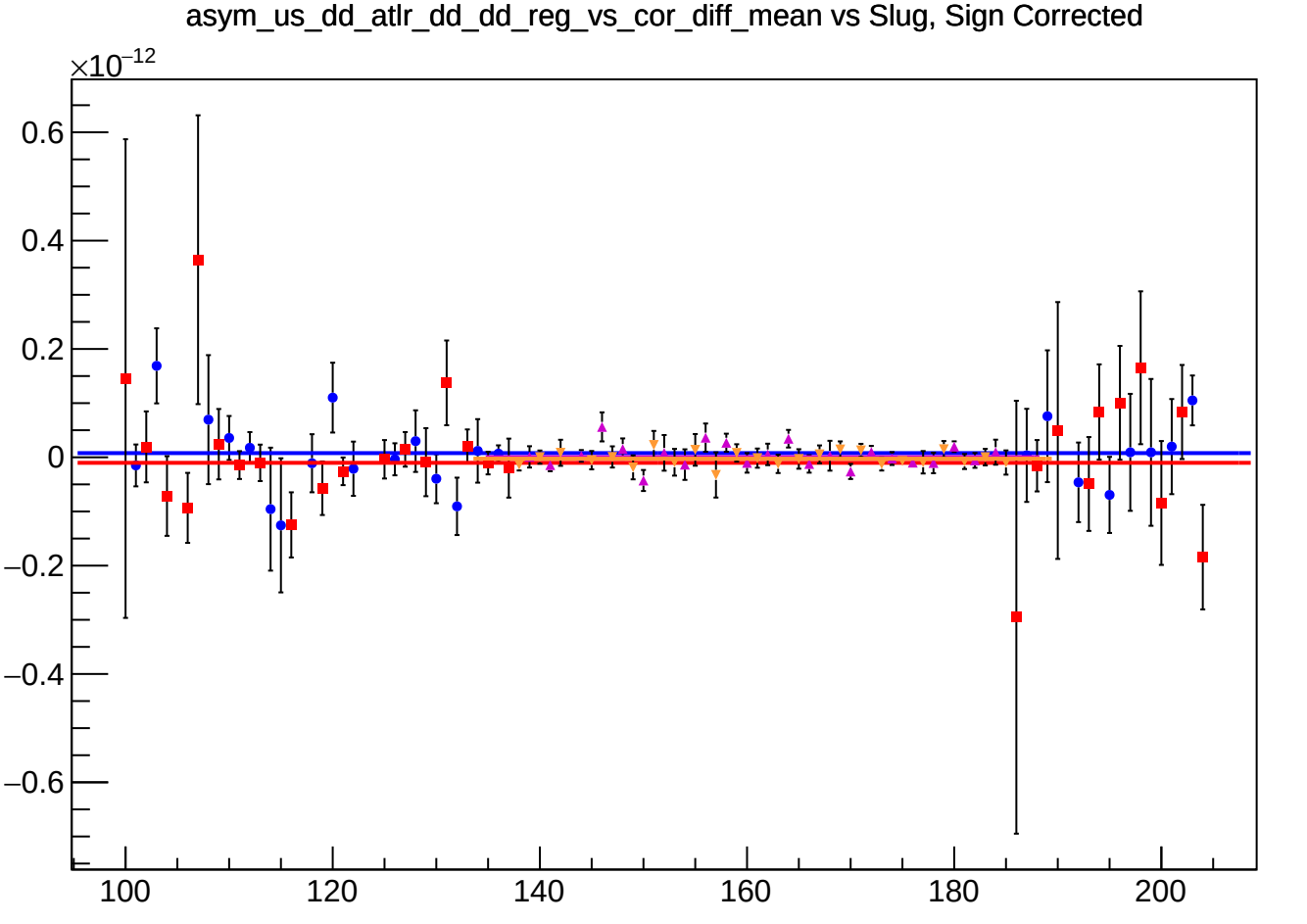
Left: 1180.812+/-0.138 χ^2/NDF: 125088.5/46

Right: 1313.403+/-0.178 χ^2/NDF: 1727719.0/51

In: 1225.264+/-0.156 χ^2/NDF:1091207.0/46

Out: 1235.165+/-0.152 χ^2/NDF:1106385.5/51

All: 1230.317+/-0.109 χ^2/NDF: 2199658.1/98



Right In: 0.000+/-0.000 χ^2/NDF: 23.0/23

Left Out: -0.000+/-0.000 χ^2/NDF:10.5/23

Right Out: -0.000+/-0.000 χ^2/NDF: 24.5/27

Left In: 0.000+/-0.000 χ^2/NDF:32.5/22

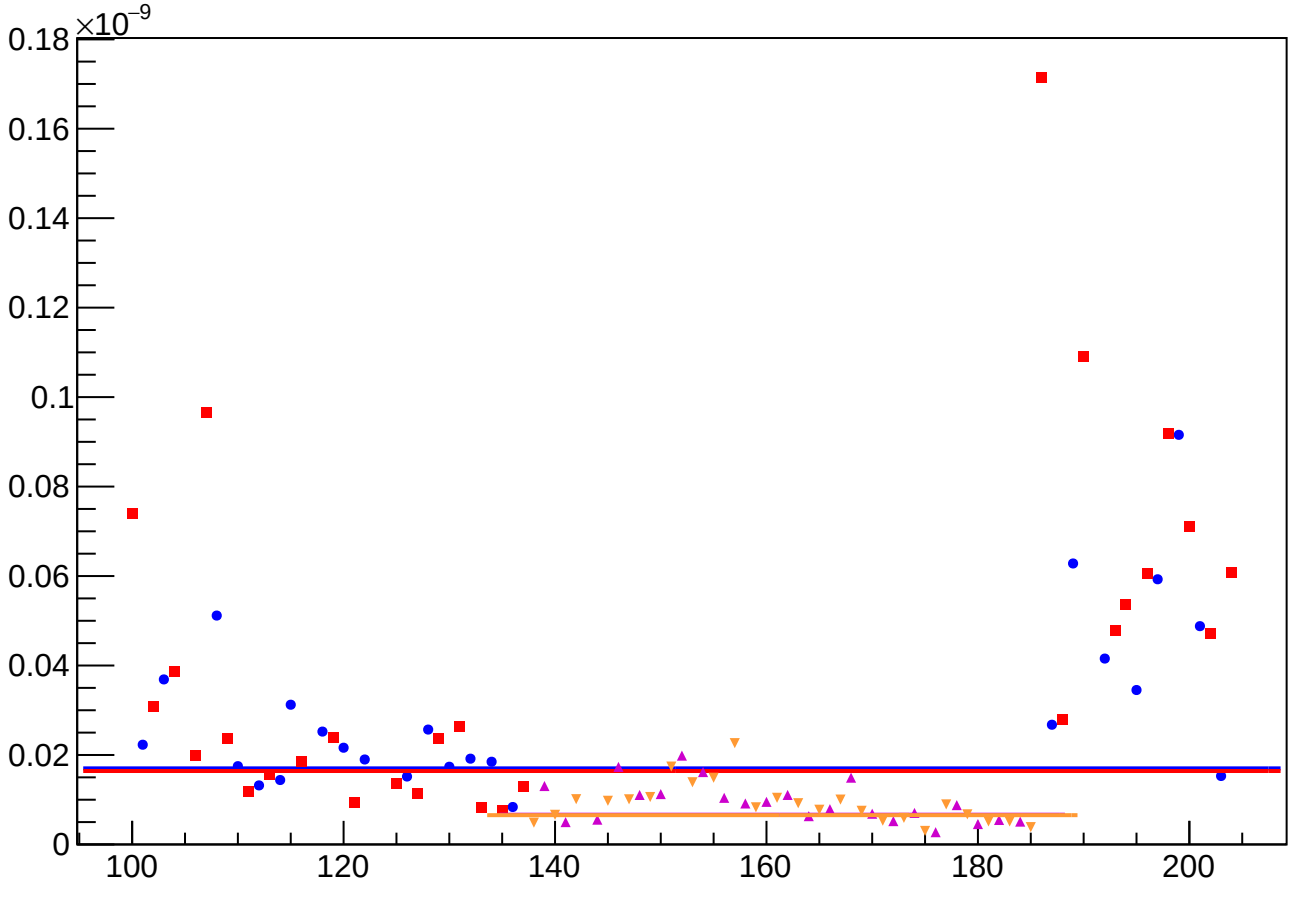
Left: -0.000+/-0.000 χ^2/NDF: 43.4/46

Right: -0.000+/-0.000 χ^2/NDF: 49.4/51

In: 0.000+/-0.000 χ^2/NDF:56.1/46

Out: -0.000+/-0.000 χ^2/NDF:35.6/51

All: -0.000+/-0.000 χ^2/NDF: 92.8/98



Right In: 0.000+/-0.000 χ^2/NDF: 3018129.6/23

Left Out: 0.000+/-0.000 χ^2/NDF:2332749.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 4832622.0/27

Left In: 0.000+/-0.000 χ^2/NDF:2542530.1/22

Left: 0.000+/-0.000 χ^2/NDF: 4876422.9/46

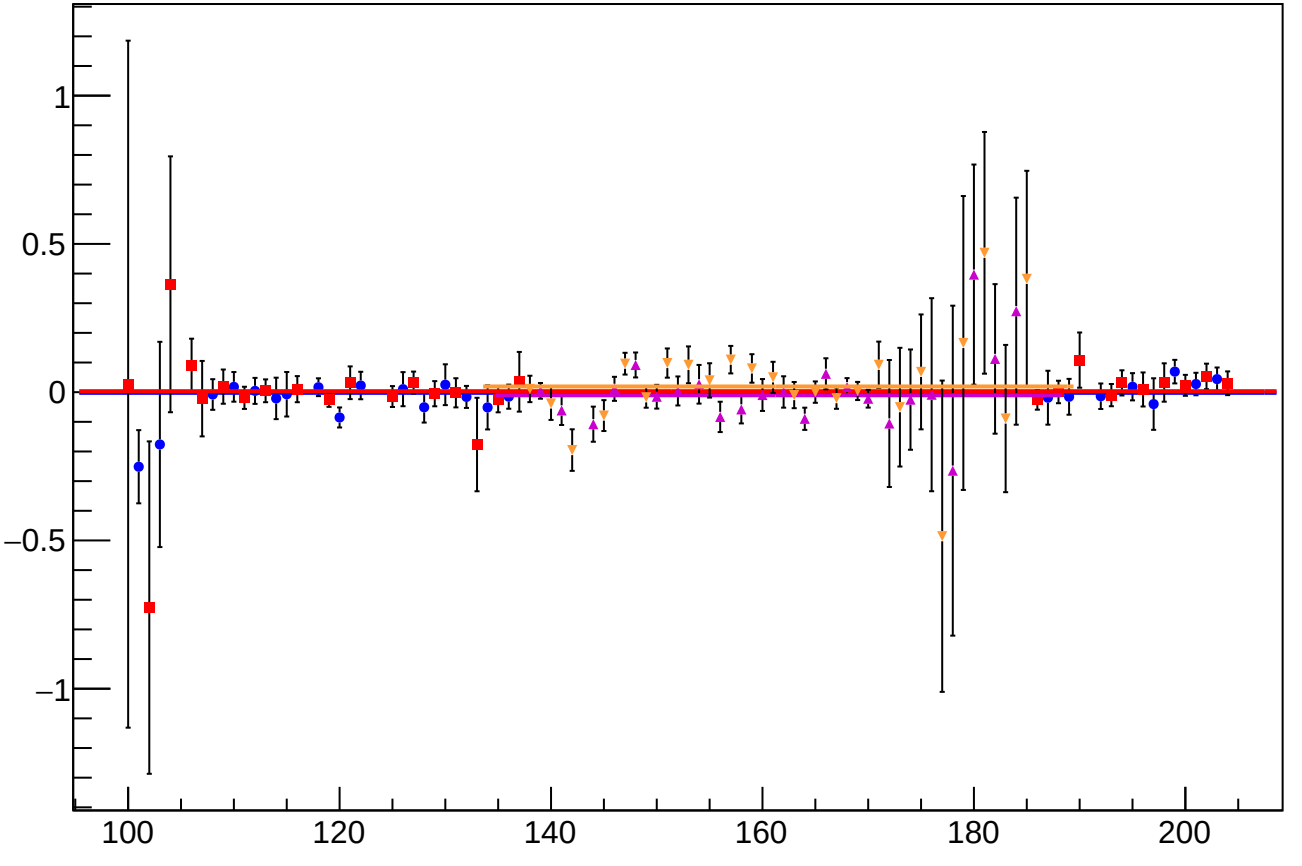
Right: 0.000+/-0.000 χ^2/NDF: 7855023.2/51

In: 0.000+/-0.000 χ^2/NDF:7886655.9/46

Out: 0.000+/-0.000 χ^2/NDF:9364691.2/51

All: 0.000+/-0.000 χ^2/NDF: 17253842.7/98

asym_us_dd_atlr_dd_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.002+/-0.010 χ^2/NDF: 18.9/23

Left Out: 0.019+/-0.011 χ^2/NDF:35.9/23

Right Out: 0.003+/-0.009 χ^2/NDF: 13.2/27

Left In: -0.010+/-0.010 χ^2/NDF:23.6/22

Left: 0.004+/-0.007 χ^2/NDF: 63.5/46

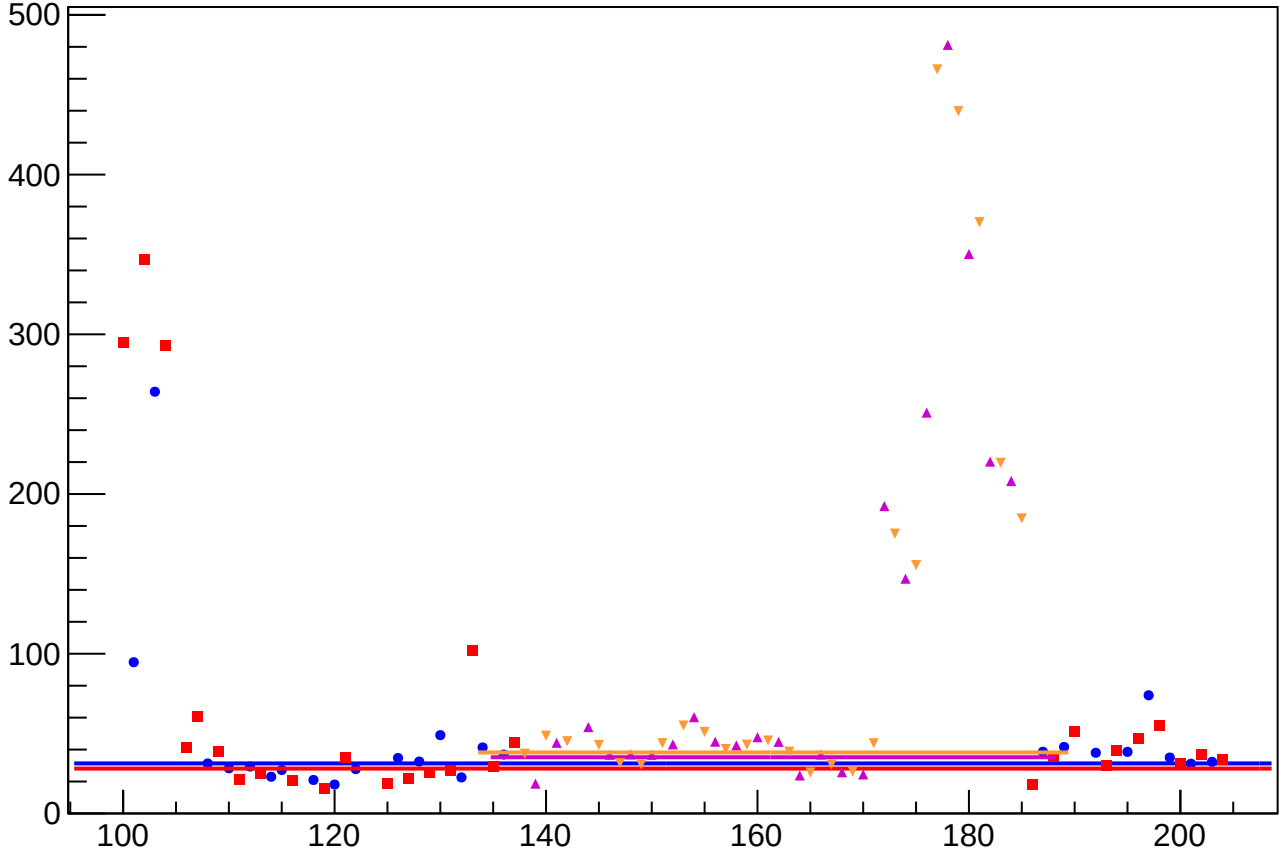
Right: 0.001+/-0.007 χ^2/NDF: 32.3/51

In: -0.006+/-0.007 χ^2/NDF:42.8/46

Out: 0.010+/-0.007 χ^2/NDF:50.5/51

All: 0.002+/-0.005 χ^2/NDF: 95.8/98

asym_us_dd_atlr_dd_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 31.326+/-0.007 χ^2/NDF: 3027561.2/23

Left Out: 38.211+/-0.008 χ^2/NDF:8285024.8/23

Right Out: 28.094+/-0.006 χ^2/NDF: 4380986.1/27

Left In: 35.195+/-0.007 χ^2/NDF:9390926.6/22

Left: 36.625+/-0.005 χ^2/NDF: 17757838.6/46

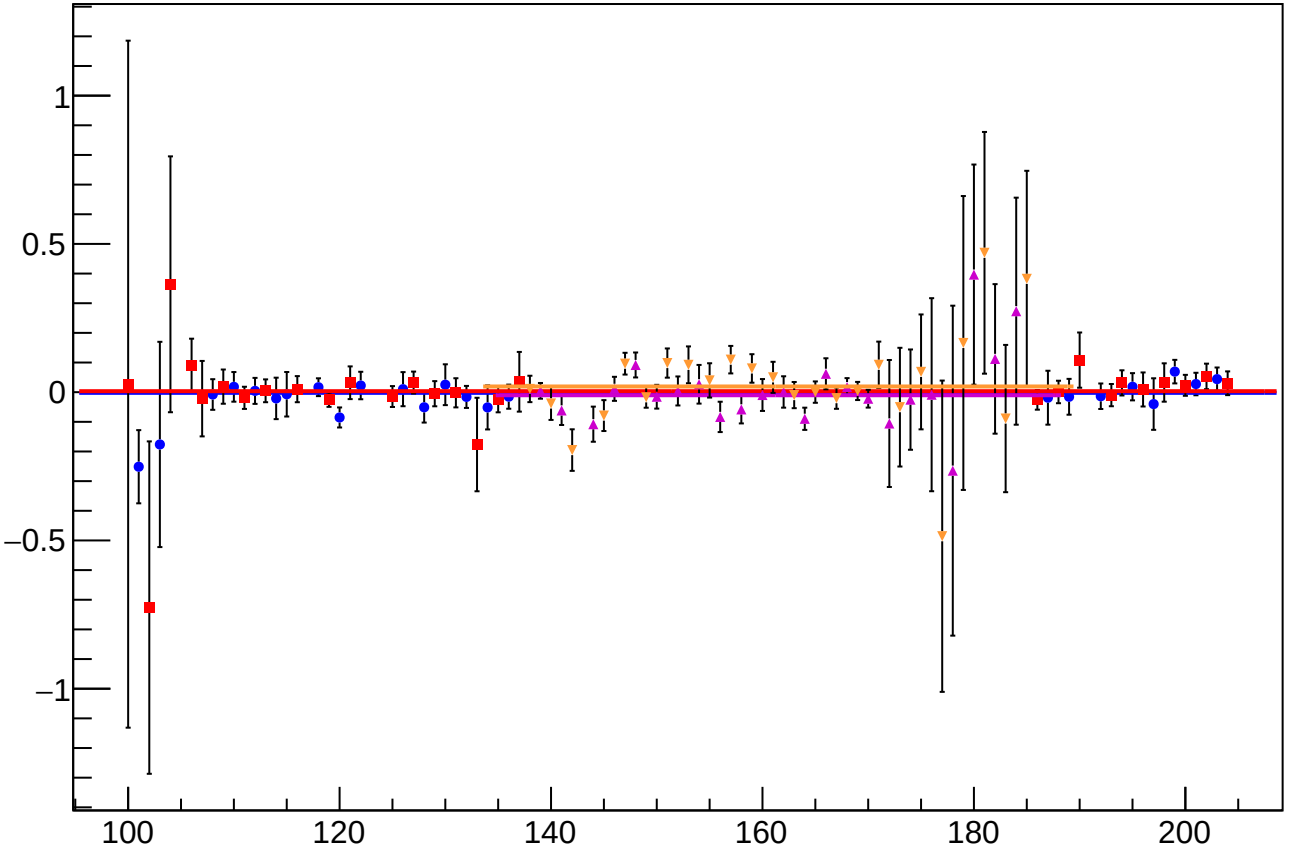
Right: 29.501+/-0.005 χ^2/NDF: 7528028.2/51

In: 33.198+/-0.005 χ^2/NDF:12565197.1/46

Out: 32.085+/-0.005 χ^2/NDF:13727126.4/51

All: 32.614+/-0.003 χ^2/NDF: 26317844.7/98

asym_us_dd_atlr_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.002+/-0.010 χ^2/NDF: 18.9/23

Left Out: 0.019+/-0.011 χ^2/NDF:35.9/23

Right Out: 0.003+/-0.009 χ^2/NDF: 13.2/27

Left In: -0.010+/-0.010 χ^2/NDF:23.6/22

Left: 0.004+/-0.007 χ^2/NDF: 63.5/46

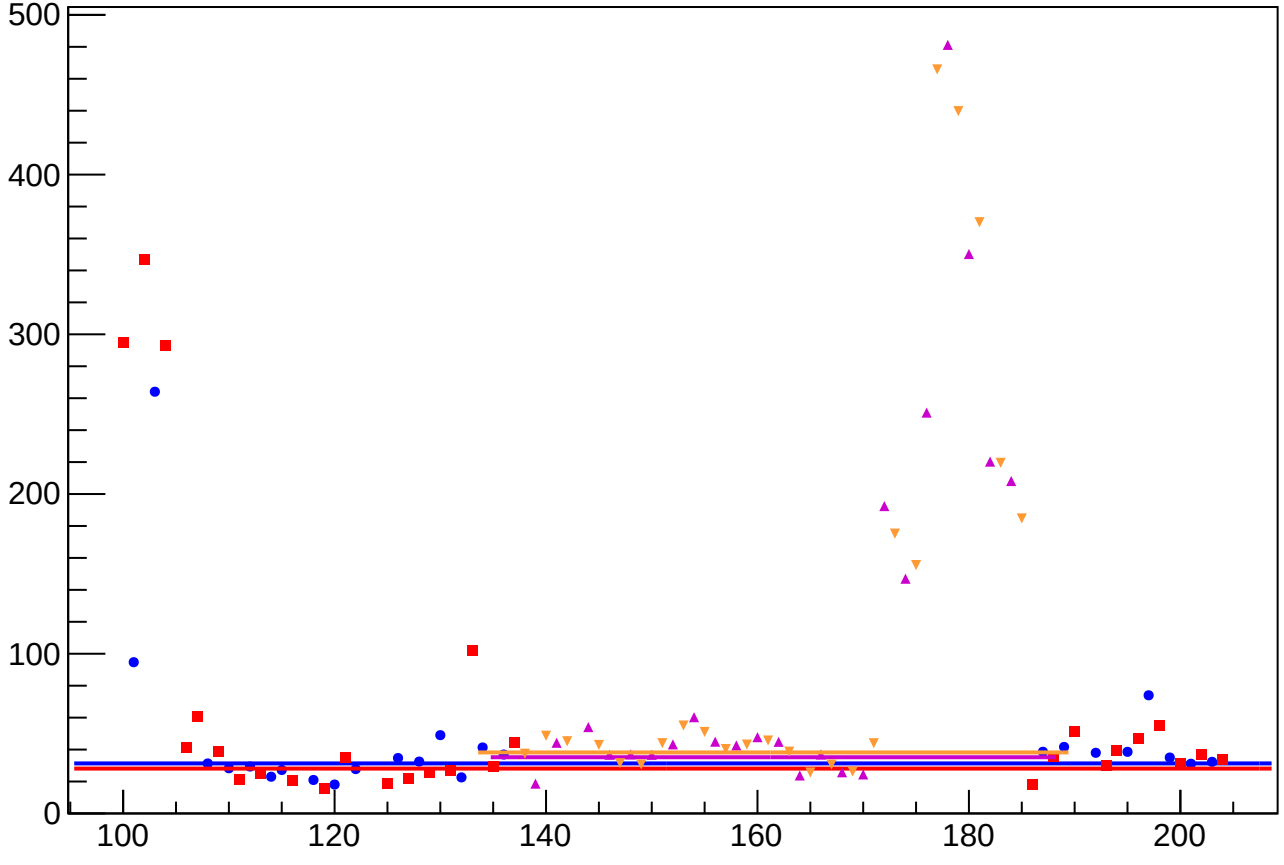
Right: 0.001+/-0.007 χ^2/NDF: 32.3/51

In: -0.006+/-0.007 χ^2/NDF:42.8/46

Out: 0.010+/-0.007 χ^2/NDF:50.5/51

All: 0.002+/-0.005 χ^2/NDF: 95.8/98

asym_us_dd_atlr_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 31.326+/-0.007 χ^2/NDF: 3027561.2/23

Left Out: 38.211+/-0.008 χ^2/NDF:8285024.8/23

Right Out: 28.094+/-0.006 χ^2/NDF: 4380986.1/27

Left In: 35.195+/-0.007 χ^2/NDF:9390926.6/22

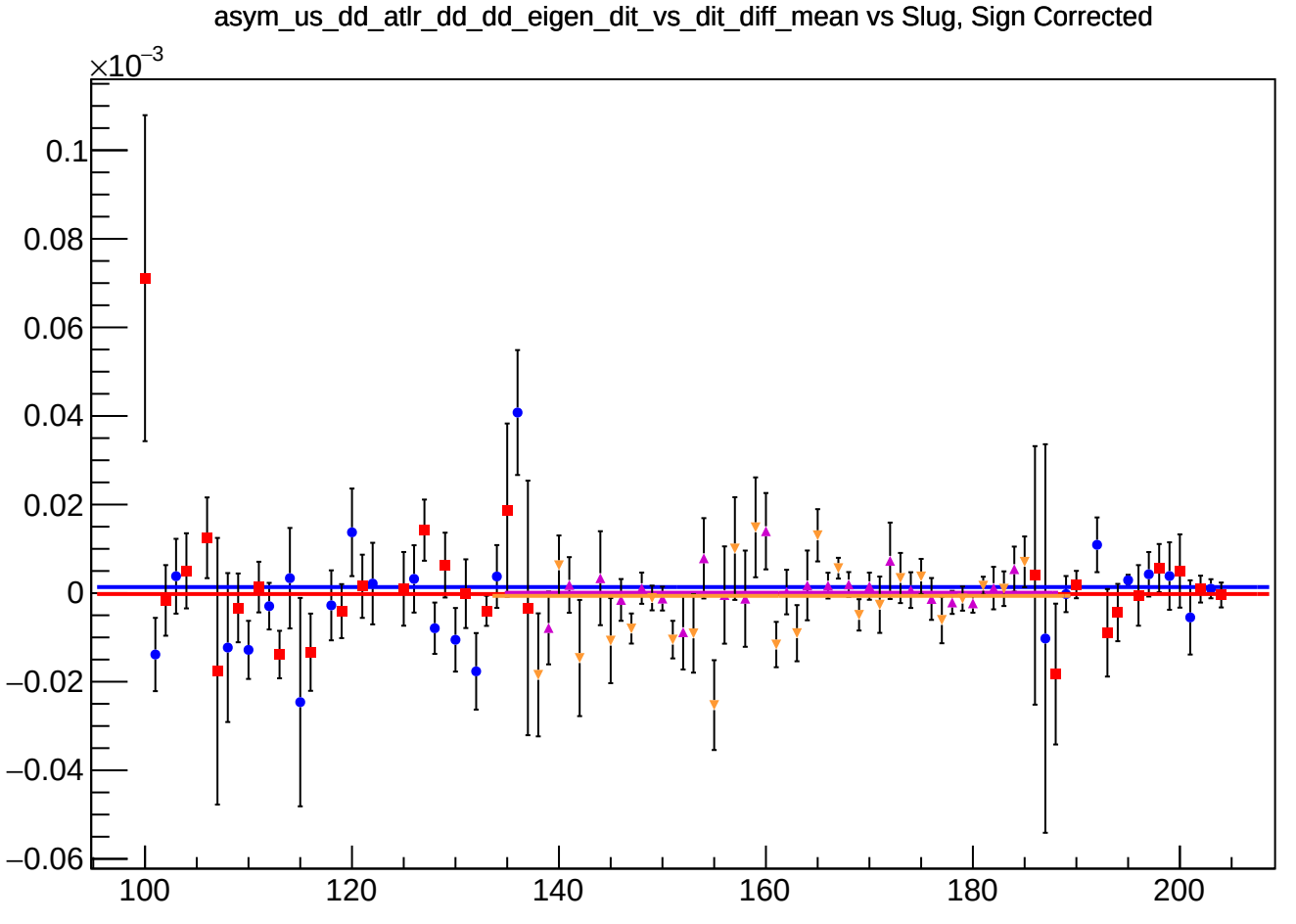
Left: 36.625+/-0.005 χ^2/NDF: 17757838.6/46

Right: 29.501+/-0.005 χ^2/NDF: 7528028.2/51

In: 33.198+/-0.005 χ^2/NDF:12565197.1/46

Out: 32.085+/-0.005 χ^2/NDF:13727126.4/51

All: 32.614+/-0.003 χ^2/NDF: 26317844.7/98



Right In: 0.000+/-0.000 χ^2/NDF: 36.1/23

Left Out: -0.000+/-0.000 χ^2/NDF:51.2/23

Right Out: -0.000+/-0.000 χ^2/NDF: 28.0/27

Left In: 0.000+/-0.000 χ^2/NDF:11.0/22

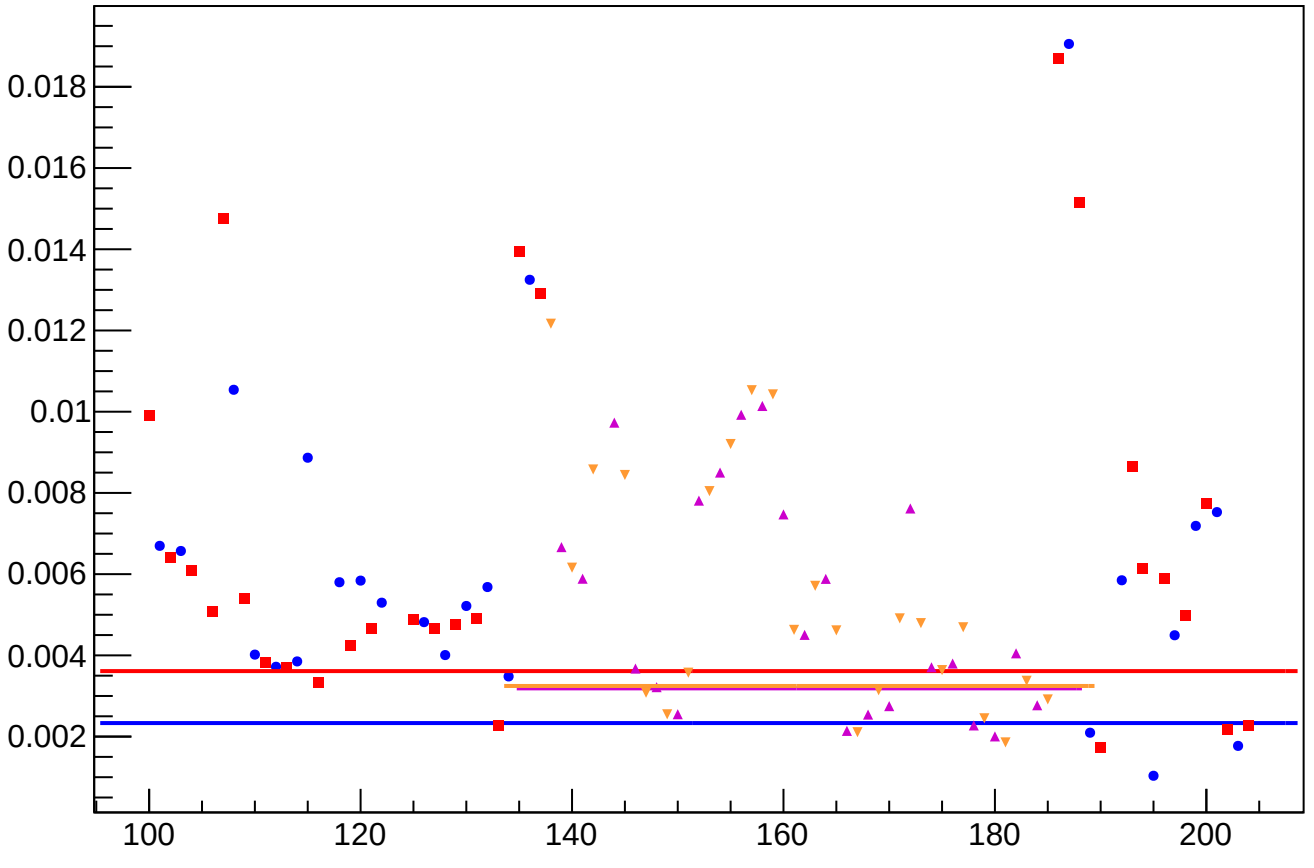
Left: -0.000+/-0.000 χ^2/NDF: 62.5/46

Right: 0.000+/-0.000 χ^2/NDF: 65.3/51

In: 0.000+/-0.000 χ^2/NDF:48.2/46

Out: -0.000+/-0.000 χ^2/NDF:79.3/51

All: 0.000+/-0.000 χ^2/NDF: 129.1/98



Right In: 0.002+/-0.000 χ^2/NDF: 10392944.2/23

Left Out: 0.003+/-0.000 χ^2/NDF:7736973.1/23

Right Out: 0.004+/-0.000 χ^2/NDF: 7157309.2/27

Left In: 0.003+/-0.000 χ^2/NDF:7301771.9/22

Left: 0.003+/-0.000 χ^2/NDF: 15043467.2/46

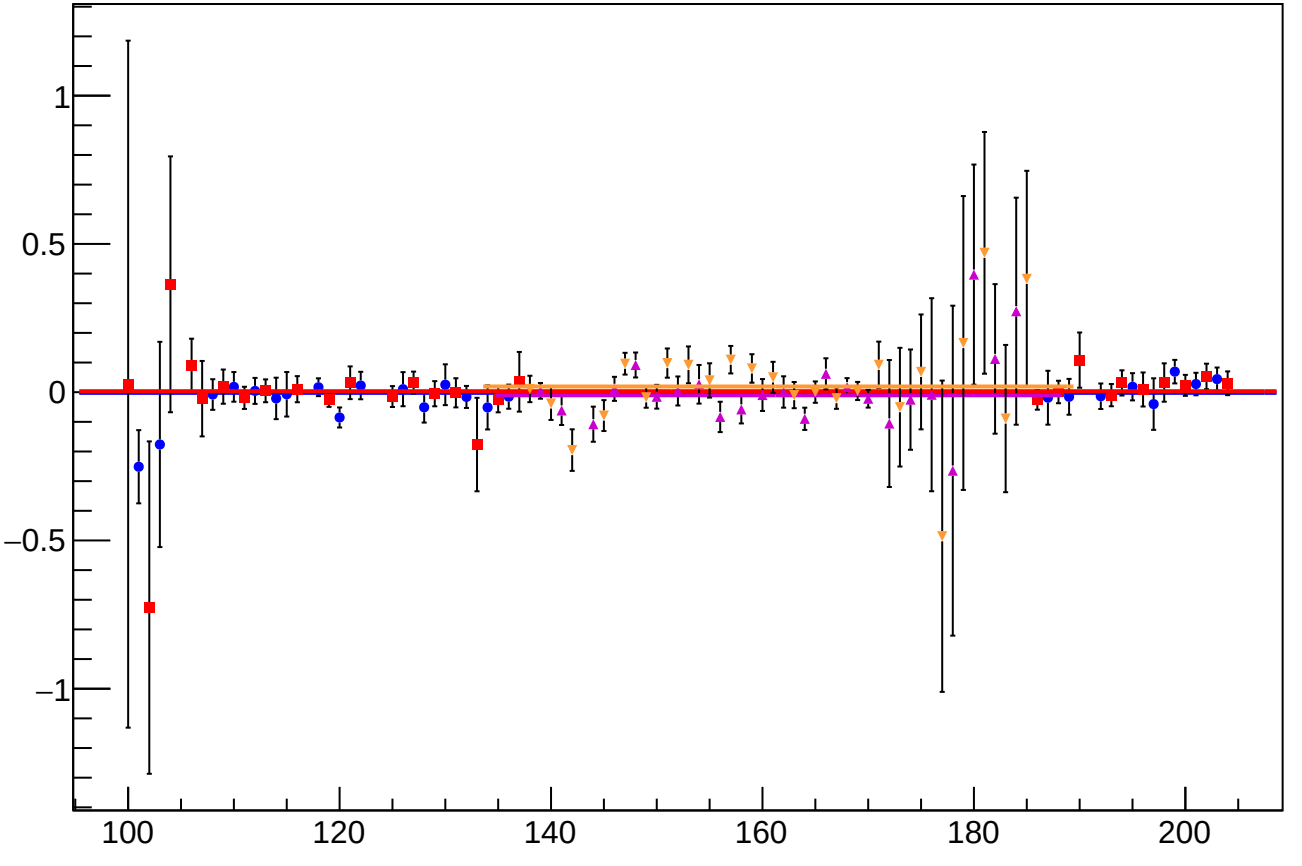
Right: 0.003+/-0.000 χ^2/NDF: 19161782.7/51

In: 0.003+/-0.000 χ^2/NDF:18657446.0/46

Out: 0.003+/-0.000 χ^2/NDF:15028007.6/51

All: 0.003+/-0.000 χ^2/NDF: 34571935.2/98

asym_us_dd_atlr_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.002+/-0.010 χ^2/NDF: 18.9/23

Left Out: 0.019+/-0.011 χ^2/NDF:35.9/23

Right Out: 0.003+/-0.009 χ^2/NDF: 13.2/27

Left In: -0.010+/-0.010 χ^2/NDF:23.6/22

Left: 0.004+/-0.007 χ^2/NDF: 63.5/46

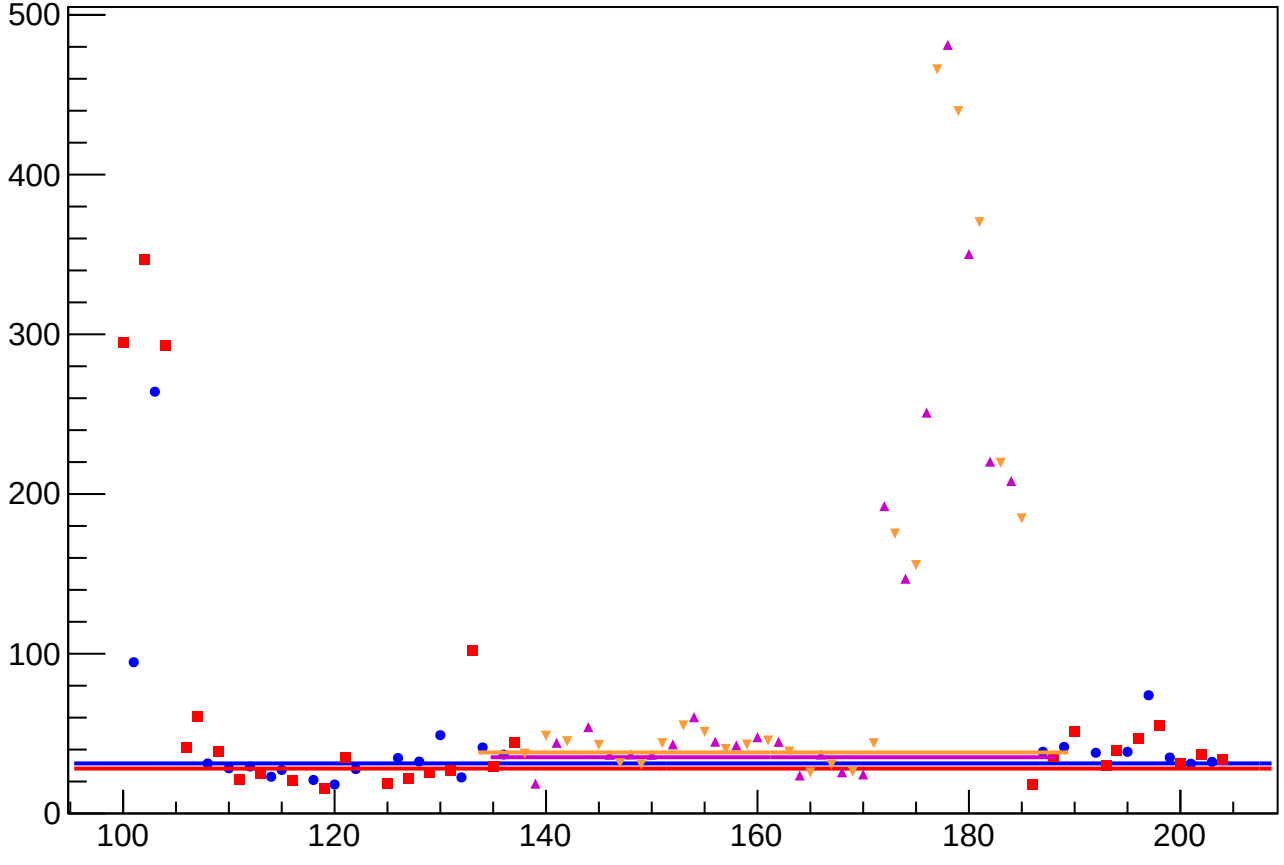
Right: 0.001+/-0.007 χ^2/NDF: 32.3/51

In: -0.006+/-0.007 χ^2/NDF:42.8/46

Out: 0.010+/-0.007 χ^2/NDF:50.5/51

All: 0.002+/-0.005 χ^2/NDF: 95.8/98

asym_us_dd_atlr_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 31.326+/-0.007 χ^2/NDF: 3027592.9/23

Left Out: 38.210+/-0.008 χ^2/NDF:8285200.7/23

Right Out: 28.092+/-0.006 χ^2/NDF: 4381407.0/27

Left In: 35.195+/-0.007 χ^2/NDF:9391361.4/22

Left: 36.625+/-0.005 χ^2/NDF: 17758448.1/46

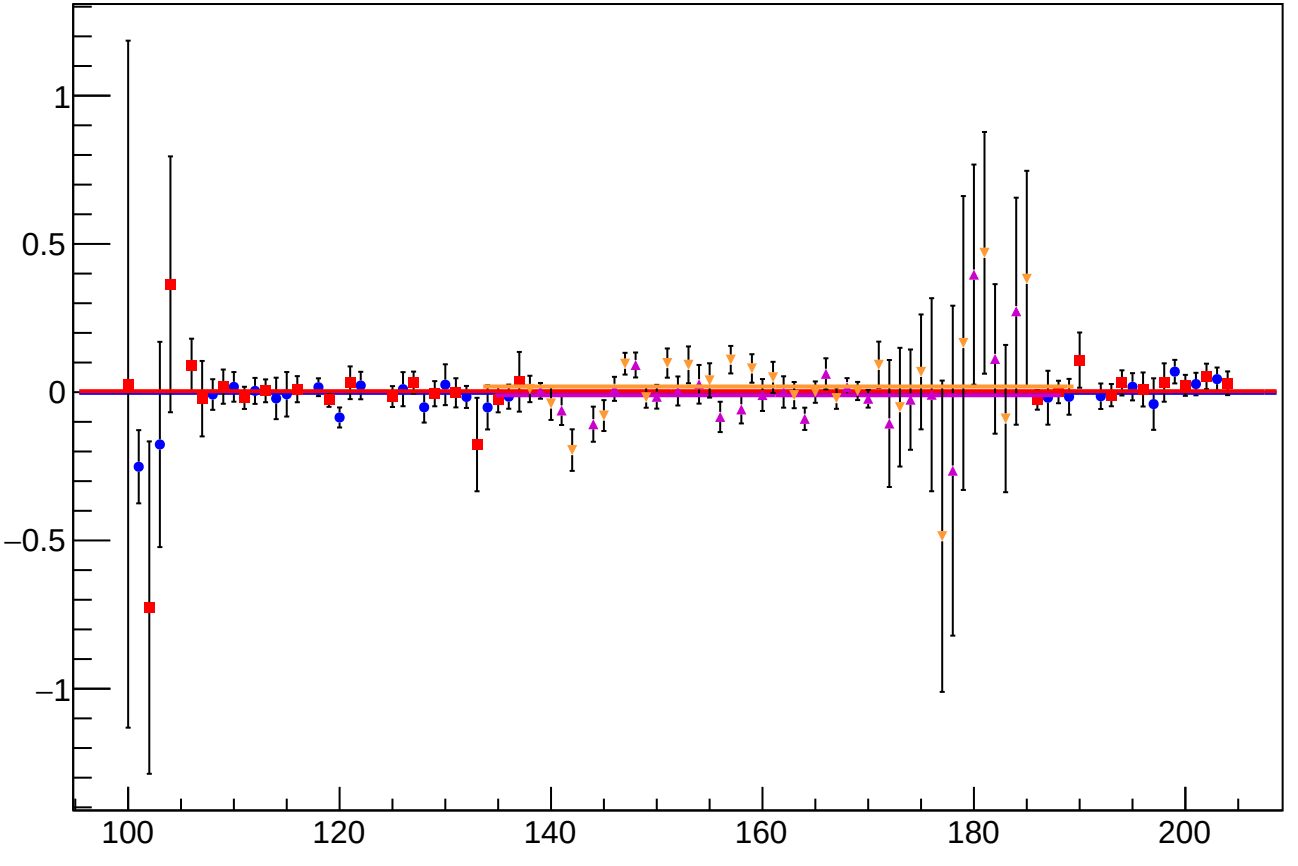
Right: 29.500+/-0.005 χ^2/NDF: 7528628.2/51

In: 33.198+/-0.005 χ^2/NDF:12565645.1/46

Out: 32.084+/-0.005 χ^2/NDF:13728113.0/51

All: 32.613+/-0.003 χ^2/NDF: 26319344.4/98

asym_us_dd_atlr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.002+/-0.010 χ^2/NDF: 18.9/23

Left Out: 0.019+/-0.011 χ^2/NDF:35.9/23

Right Out: 0.003+/-0.009 χ^2/NDF: 13.2/27

Left In: -0.010+/-0.010 χ^2/NDF:23.6/22

Left: 0.004+/-0.007 χ^2/NDF: 63.5/46

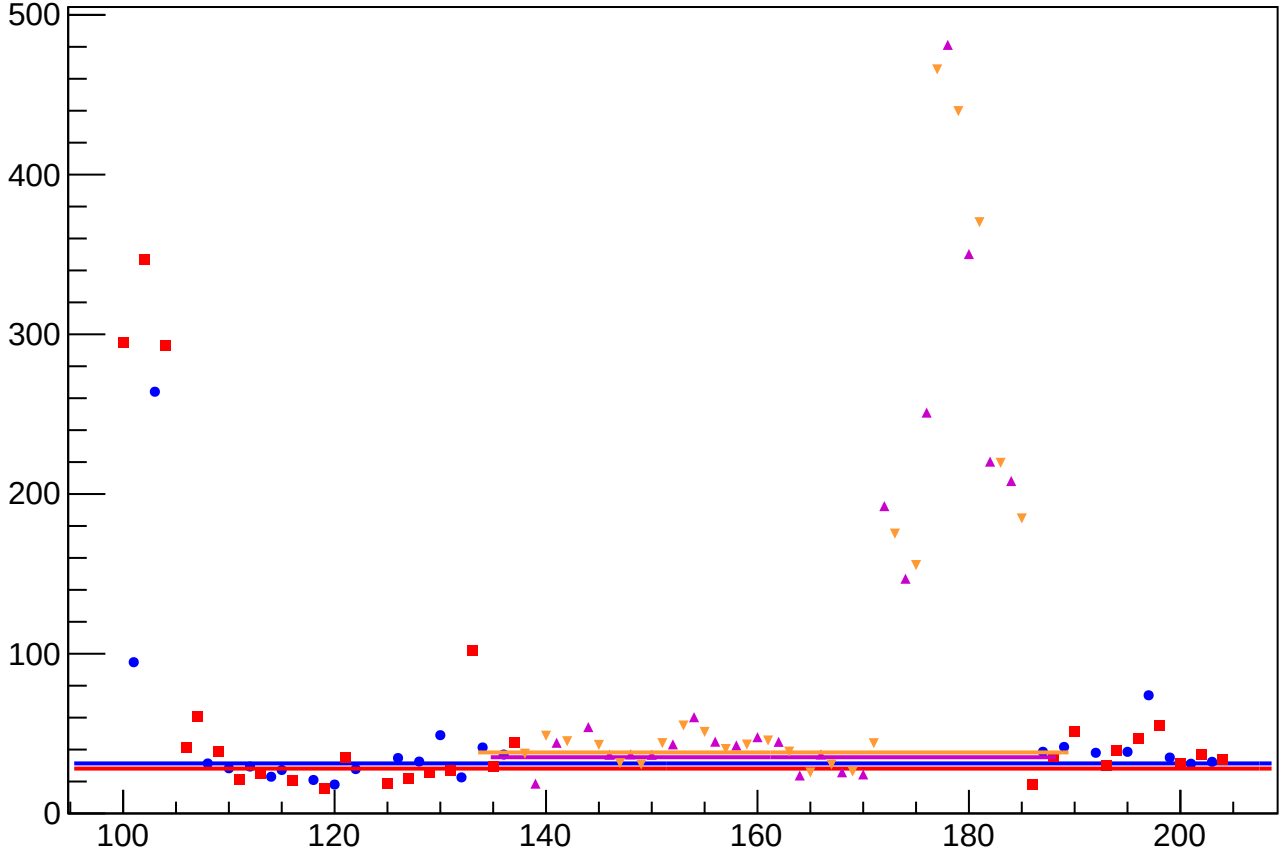
Right: 0.001+/-0.007 χ^2/NDF: 32.3/51

In: -0.006+/-0.007 χ^2/NDF:42.8/46

Out: 0.010+/-0.007 χ^2/NDF:50.5/51

All: 0.002+/-0.005 χ^2/NDF: 95.8/98

asym_us_dd_atlr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 31.326+/-0.007 χ^2/NDF: 3027592.9/23

Left Out: 38.210+/-0.008 χ^2/NDF:8285200.7/23

Right Out: 28.092+/-0.006 χ^2/NDF: 4381407.0/27

Left In: 35.195+/-0.007 χ^2/NDF:9391361.4/22

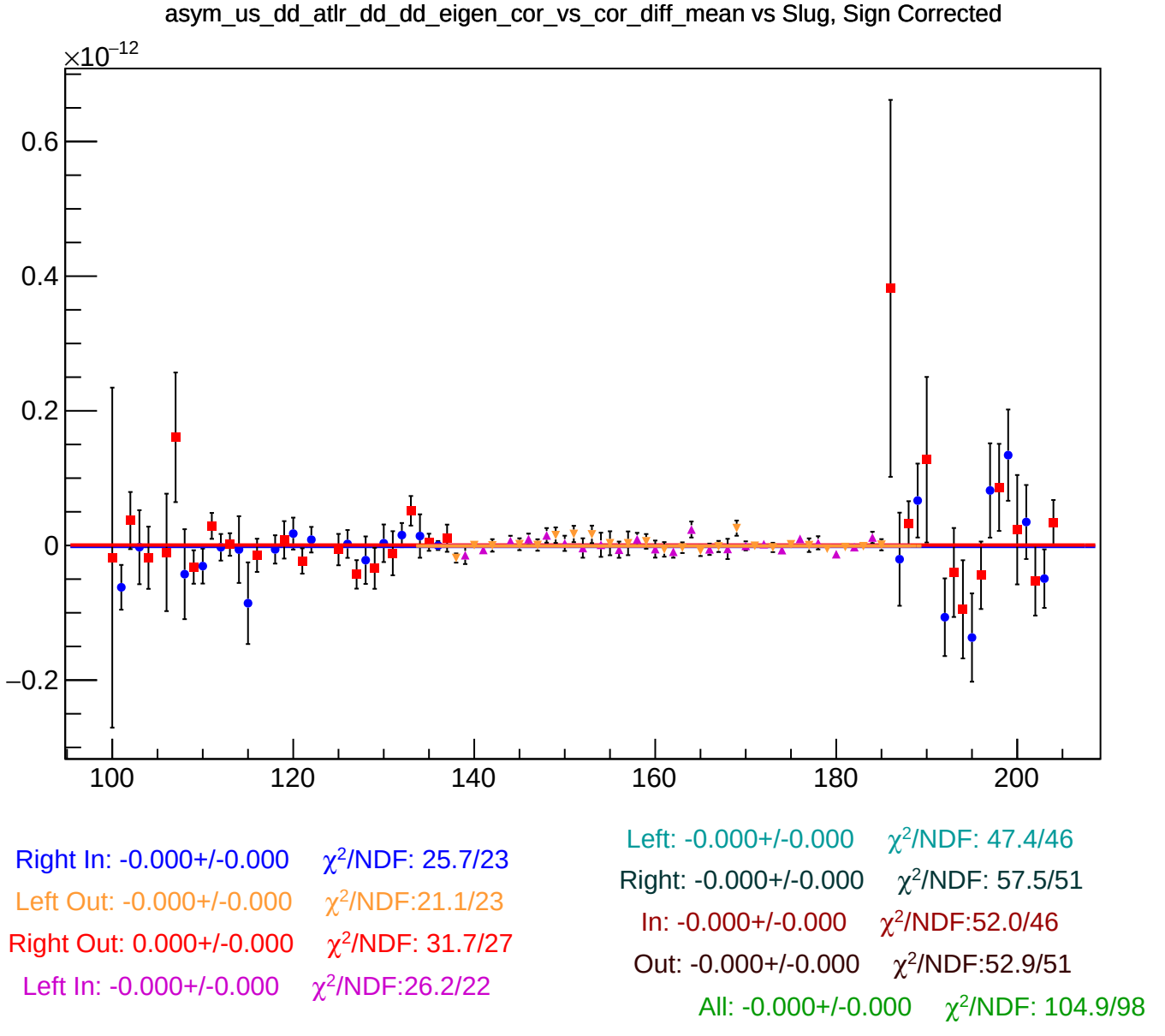
Left: 36.625+/-0.005 χ^2/NDF: 17758448.1/46

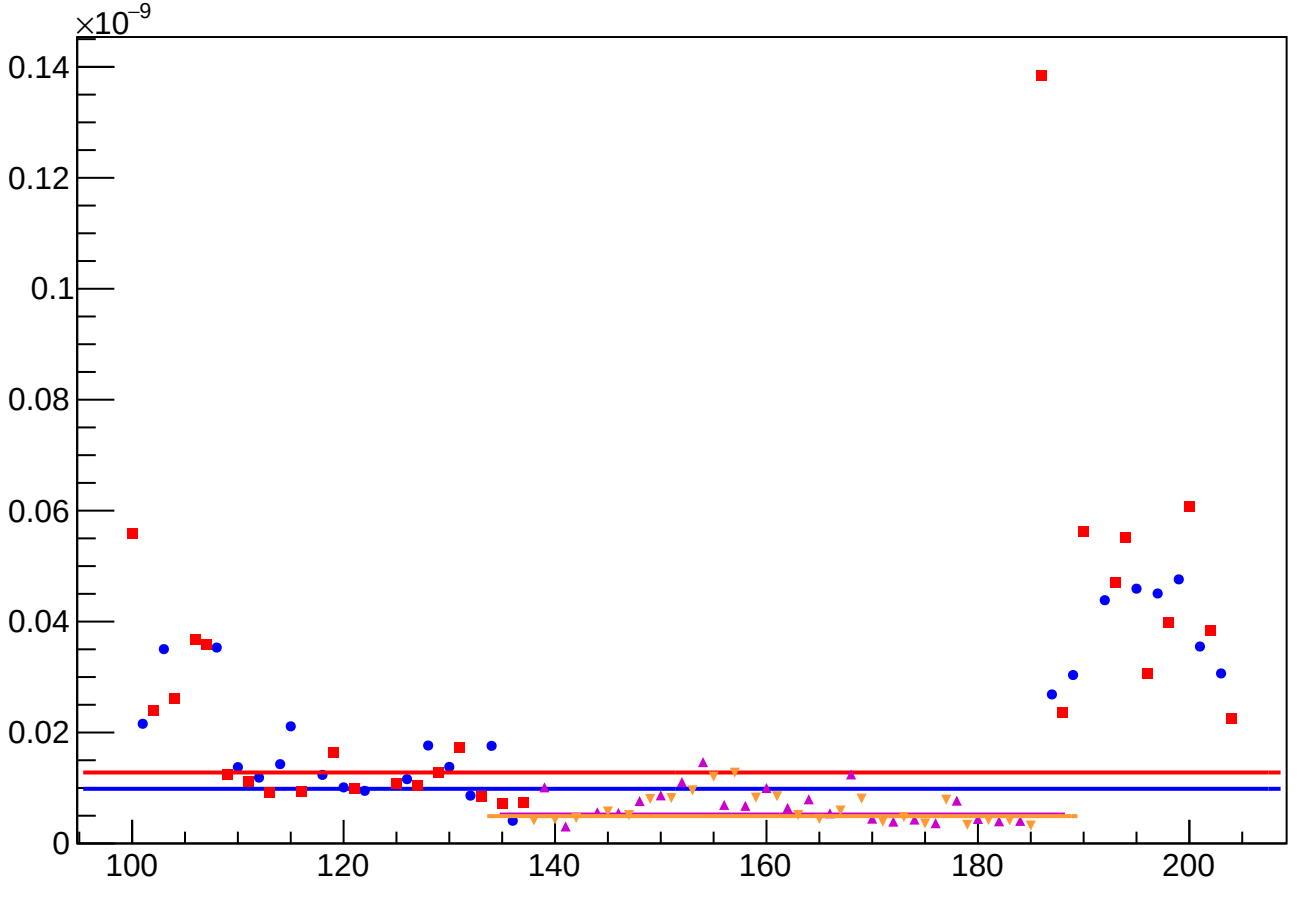
Right: 29.500+/-0.005 χ^2/NDF: 7528628.2/51

In: 33.198+/-0.005 χ^2/NDF:12565645.1/46

Out: 32.084+/-0.005 χ^2/NDF:13728113.0/51

All: 32.613+/-0.003 χ^2/NDF: 26319344.4/98


asym_us_dd_atlr_dd_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.6
0.4
0.2
0
−0.2
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 25.7/23
Left Out: -0.000+/-0.000 χ²/NDF:21.1/23
Right Out: 0.000+/-0.000 χ²/NDF: 31.7/27
Left In: -0.000+/-0.000 χ²/NDF:26.2/22
Left: -0.000+/-0.000 χ²/NDF: 47.4/46
Right: -0.000+/-0.000 χ²/NDF: 57.5/51
In: -0.000+/-0.000 χ²/NDF:52.0/46
Out: -0.000+/-0.000 χ²/NDF:52.9/51
All: -0.000+/-0.000 χ²/NDF: 104.9/98



Right In: 0.000+/-0.000 χ^2/NDF: 6617005.2/23

Left Out: 0.000+/-0.000 χ^2/NDF:2632036.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 5567485.6/27

Left In: 0.000+/-0.000 χ^2/NDF:3449719.7/22

Left: 0.000+/-0.000 χ^2/NDF: 6113497.8/46

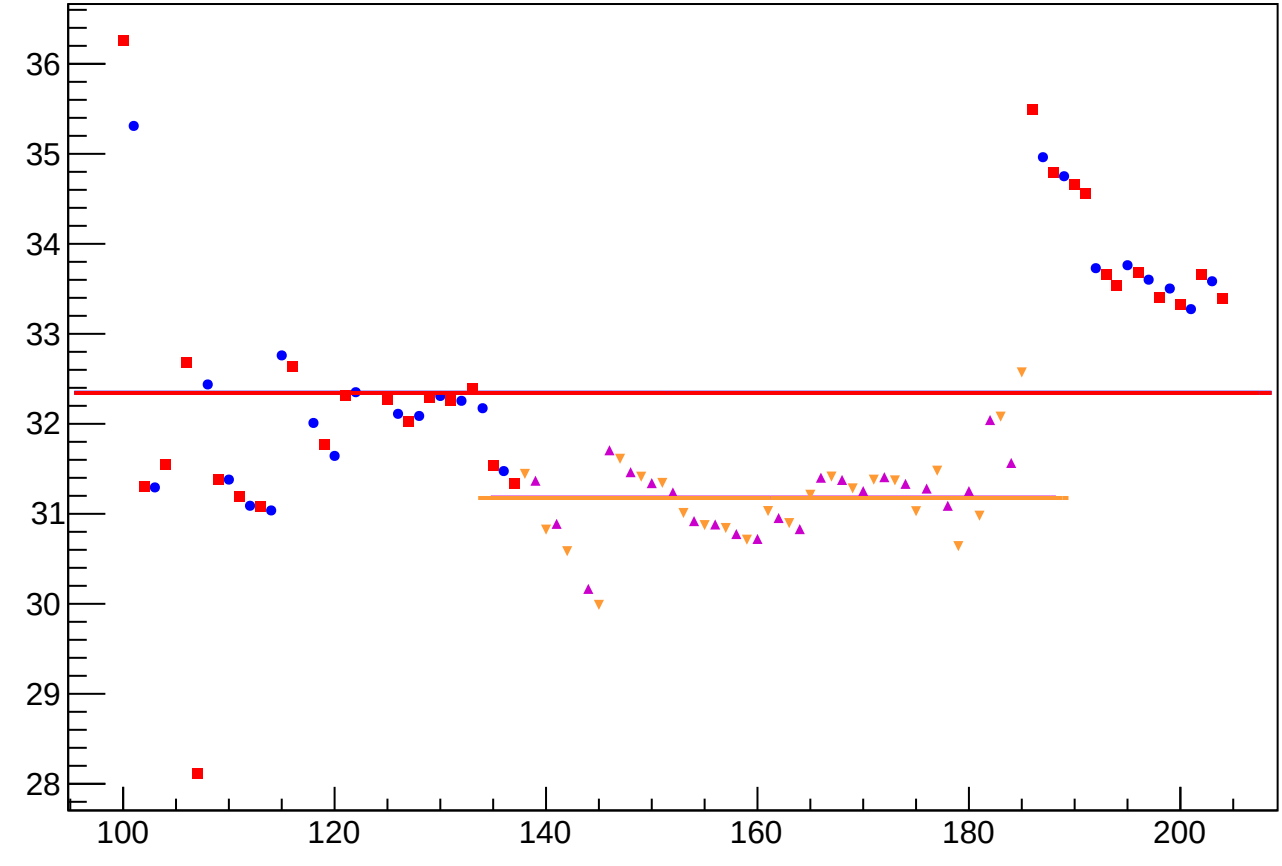
Right: 0.000+/-0.000 χ^2/NDF: 12530105.1/51

In: 0.000+/-0.000 χ^2/NDF:11829101.6/46

Out: 0.000+/-0.000 χ^2/NDF:12201873.2/51

All: 0.000+/-0.000 χ^2/NDF: 24043568.7/98

yield_usl_mean vs Slug, Sign Corrected



Right In: 32.346+/-0.000 χ^2/NDF: 1622378787.0/23

Left Out: 31.176+/-0.000 χ^2/NDF:529824418.6/23

Right Out: 32.343+/-0.000 χ^2/NDF: 1786084091.2/28

Left In: 31.181+/-0.000 χ^2/NDF:376263410.1/22

Left: 31.178+/-0.000 χ^2/NDF: 906123108.5/46

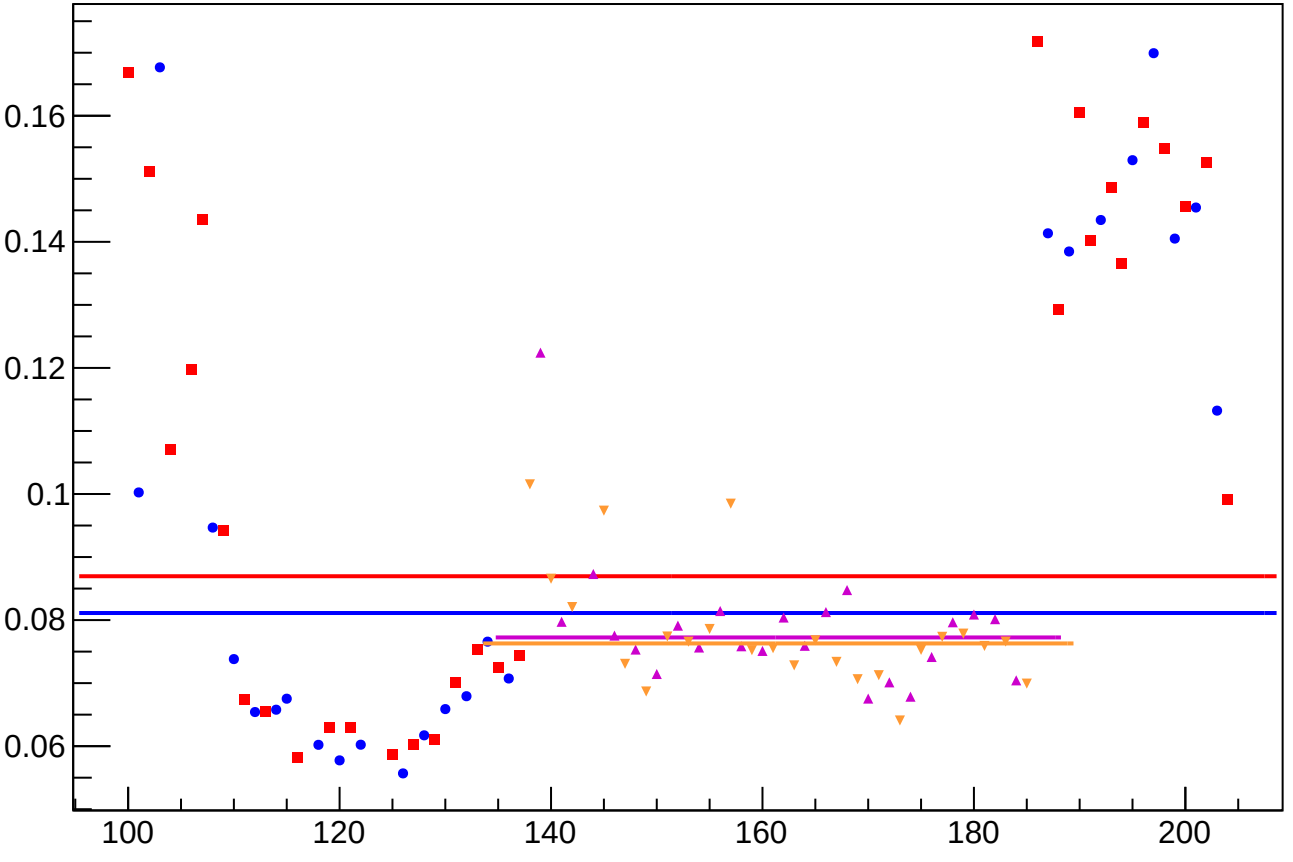
Right: 32.344+/-0.000 χ^2/NDF: 3408468560.9/52

In: 31.612+/-0.000 χ^2/NDF:3389196796.1/46

Out: 31.600+/-0.000 χ^2/NDF:3740842268.0/52

All: 31.606+/-0.000 χ^2/NDF: 7130345414.1/9

yield_usl_rms vs Slug, Sign Corrected



Right In: 0.081+/-0.000 χ^2/NDF: 3294039.6/23

Left Out: 0.076+/-0.000 χ^2/NDF:356697.3/23

Right Out: 0.087+/-0.000 χ^2/NDF: 3879054.5/28

Left In: 0.077+/-0.000 χ^2/NDF:365206.5/22

Left: 0.077+/-0.000 χ^2/NDF: 724458.6/46

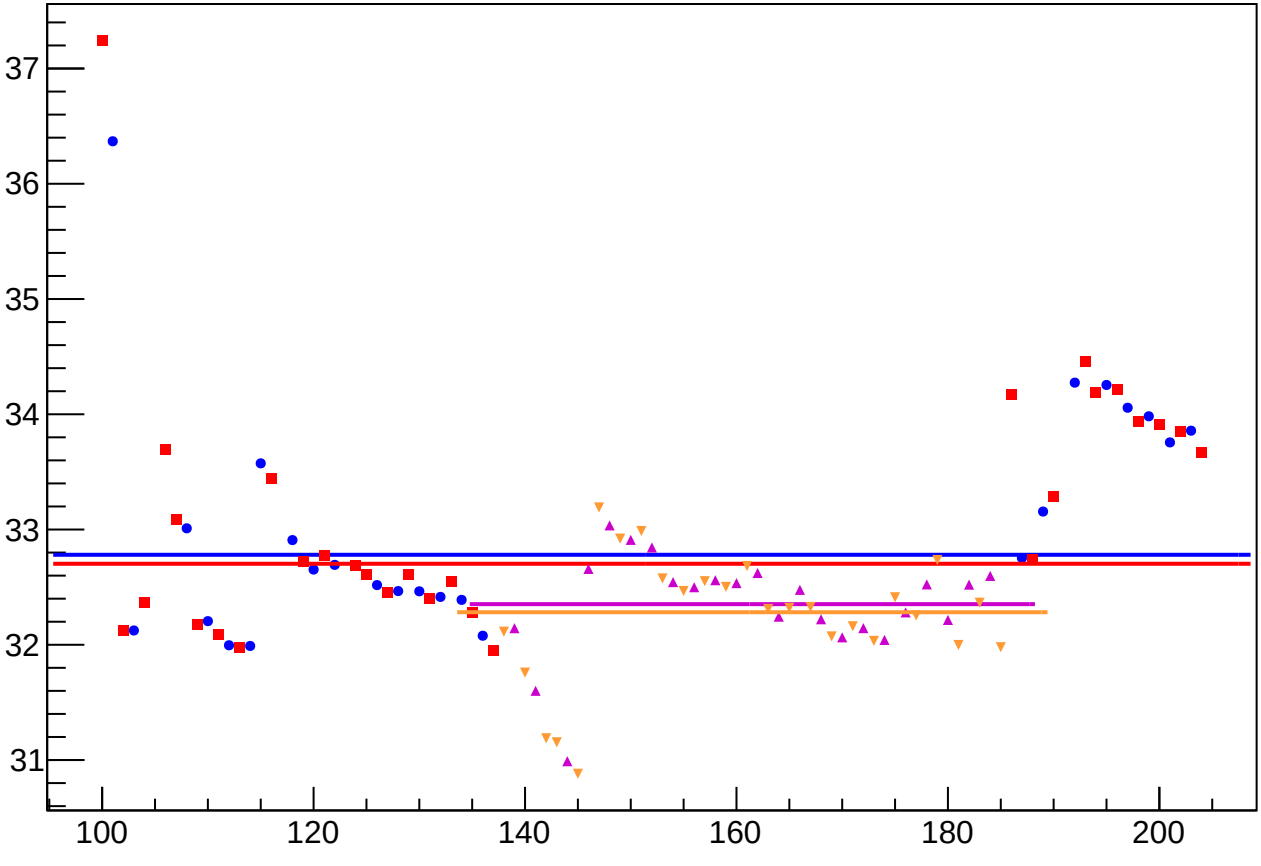
Right: 0.084+/-0.000 χ^2/NDF: 7228719.6/52

In: 0.079+/-0.000 χ^2/NDF:3690047.3/46

Out: 0.080+/-0.000 χ^2/NDF:4473522.9/52

All: 0.079+/-0.000 χ^2/NDF: 8173451.5/99

yield_usr_mean vs Slug, Sign Corrected



Right In: 32.781+/-0.000 χ^2/NDF: 924065803.6/23

Left Out: 32.282+/-0.000 χ^2/NDF:838959313.2/24

Right Out: 32.703+/-0.000 χ^2/NDF: 451113452.5/28

Left In: 32.353+/-0.000 χ^2/NDF:589893462.0/22

Left: 32.317+/-0.000 χ^2/NDF: 1436074258.4/47

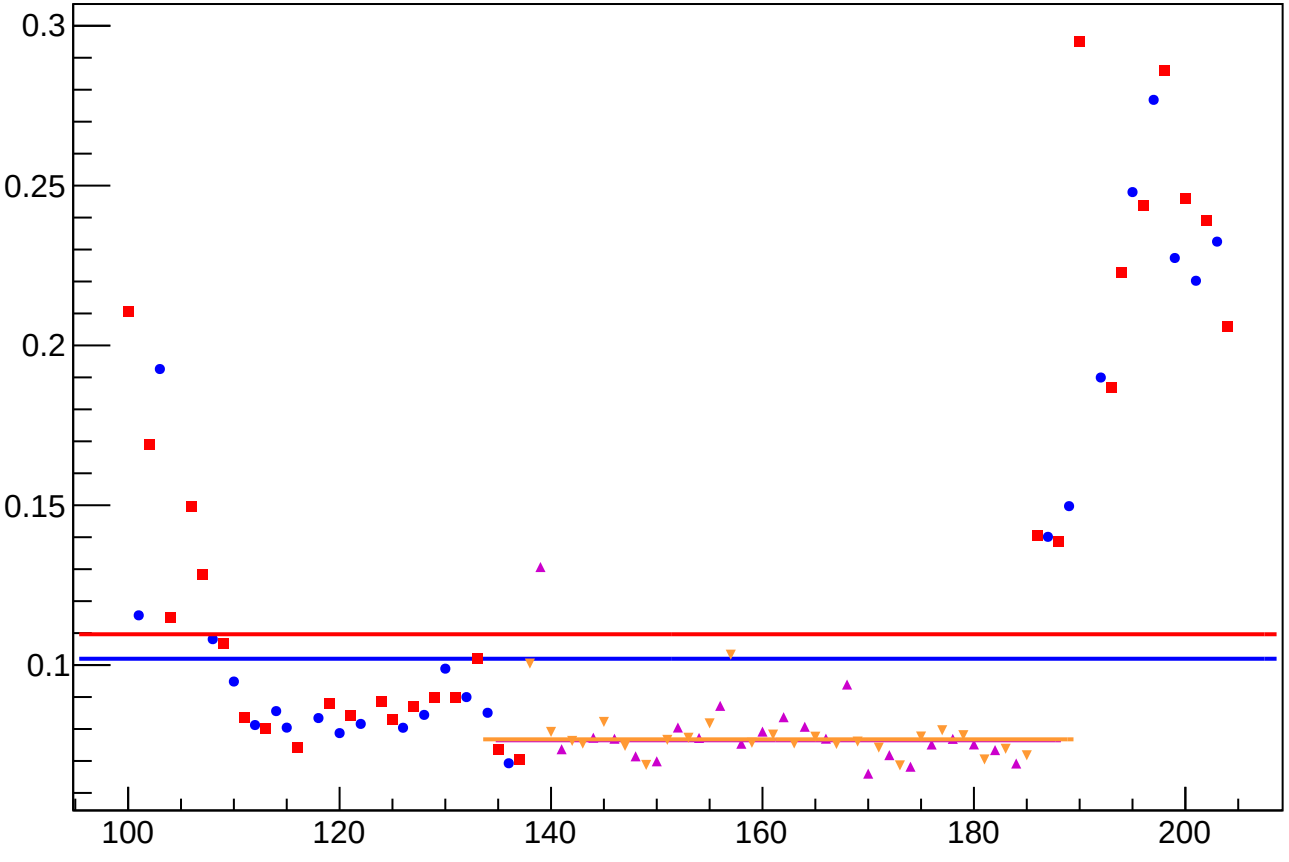
Right: 32.742+/-0.000 χ^2/NDF: 1378135089.0/52

In: 32.461+/-0.000 χ^2/NDF:1647182155.5/46

Out: 32.385+/-0.000 χ^2/NDF:1420022466.2/53

All: 32.422+/-0.000 χ^2/NDF: 3078251692.2/1

yield_usr_rms vs Slug, Sign Corrected



Right In: 0.102+/-0.000 χ^2/NDF: 4229617.2/23

Left Out: 0.077+/-0.000 χ^2/NDF:250795.7/24

Right Out: 0.110+/-0.000 χ^2/NDF: 4788640.1/28

Left In: 0.076+/-0.000 χ^2/NDF:482593.3/22

Left: 0.077+/-0.000 χ^2/NDF: 733655.0/47

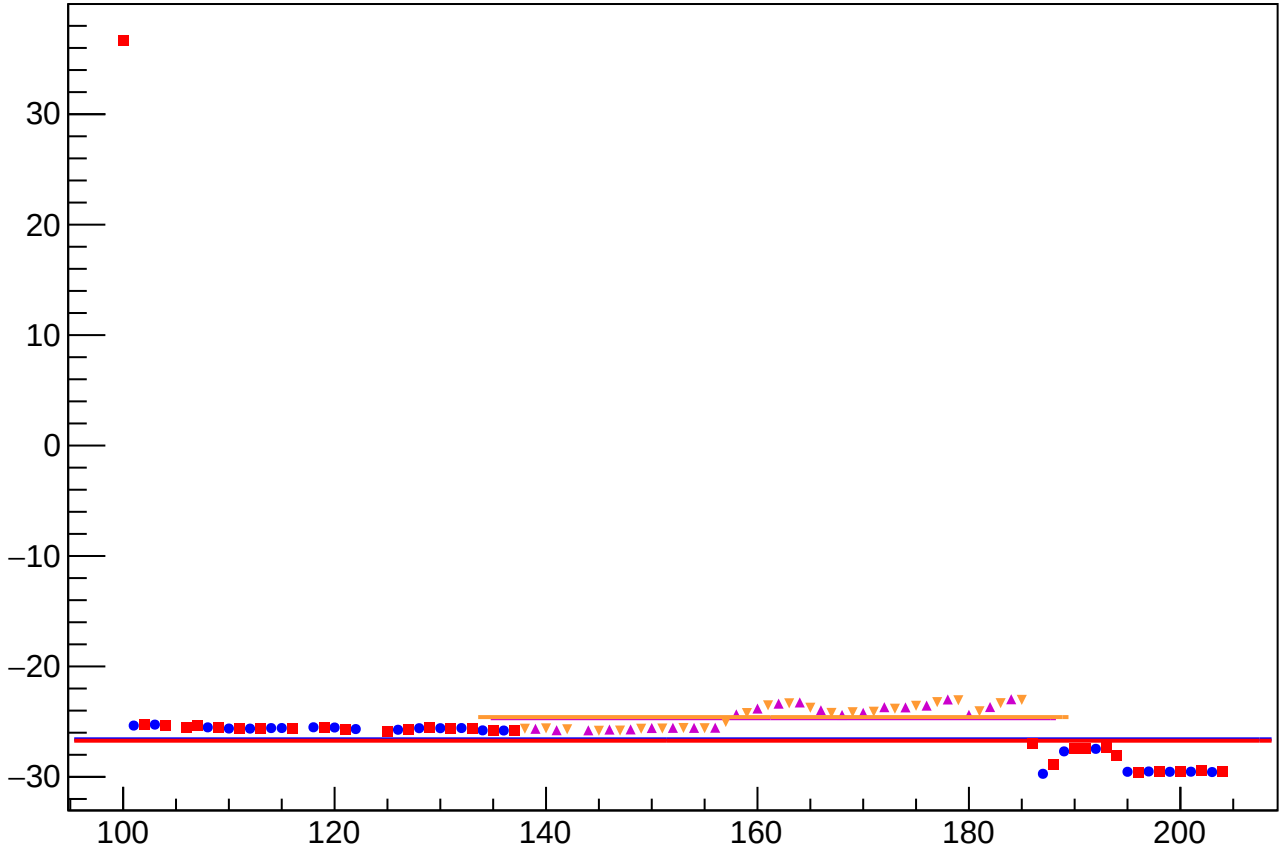
Right: 0.106+/-0.000 χ^2/NDF: 9075331.2/52

In: 0.083+/-0.000 χ^2/NDF:5657354.1/46

Out: 0.085+/-0.000 χ^2/NDF:6627815.0/53

All: 0.084+/-0.000 χ^2/NDF: 12299556.0/100

yield_dsl_mean vs Slug, Sign Corrected



Right In: -26.599+/-0.000 χ^2/NDF: 15660335694.6/23

Left Out: -24.587+/-0.000 χ^2/NDF:9182387434.6/23

Right Out: -26.723+/-0.000 χ^2/NDF: 26130407599.0/28

Left In: -24.689+/-0.000 χ^2/NDF:8820957974.3/22

Left: -24.638+/-0.000 χ^2/NDF: 18048773381.1/46

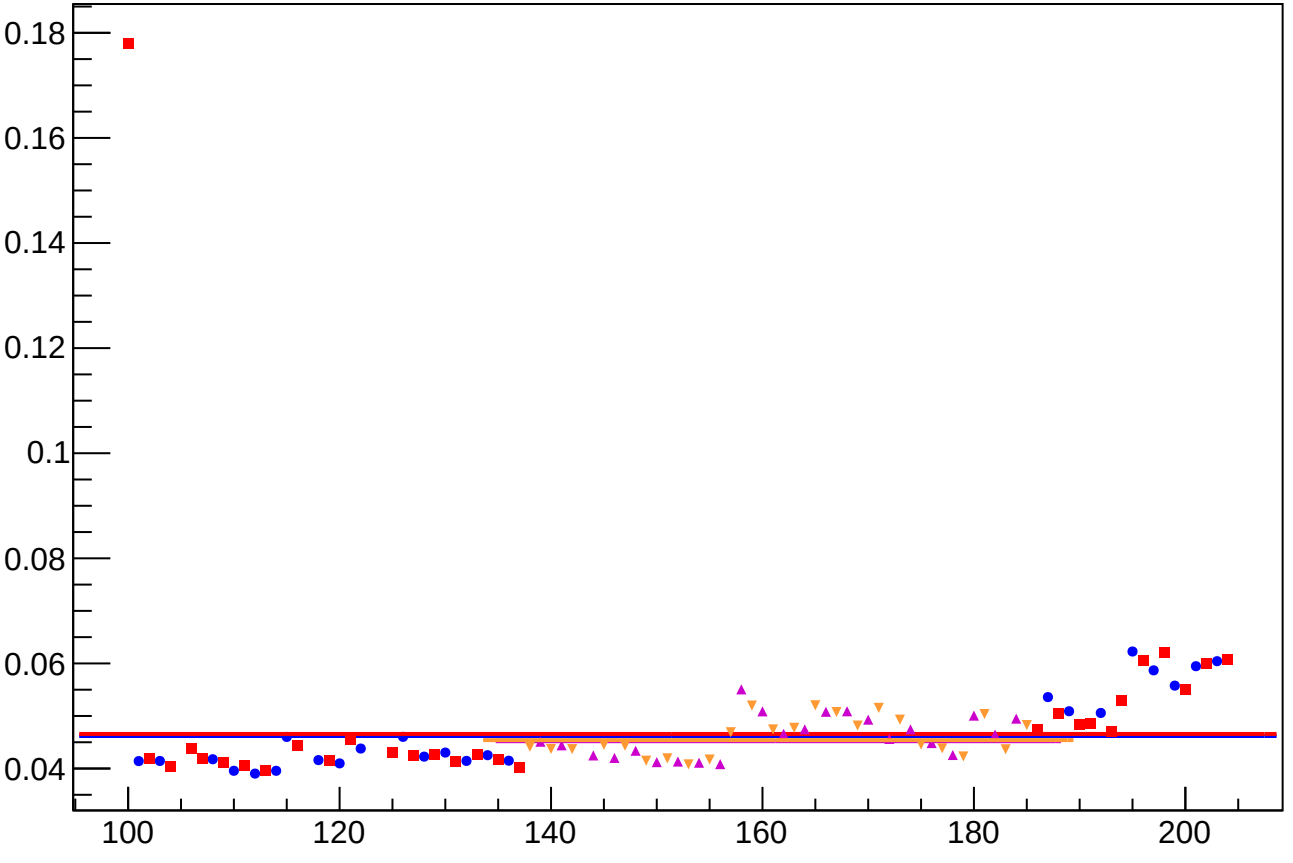
Right: -26.665+/-0.000 χ^2/NDF: 41839471721.5/52

In: -25.462+/-0.000 χ^2/NDF:37346840507.1/46

Out: -25.517+/-0.000 χ^2/NDF:52660986776.2/52

All: -25.490+/-0.000 χ^2/NDF: 90031056804.9

yield_dsl_rms vs Slug, Sign Corrected



Right In: 0.046+/-0.000 χ^2/NDF: 618653.5/23

Left Out: 0.045+/-0.000 χ^2/NDF:205535.7/23

Right Out: 0.047+/-0.000 χ^2/NDF: 716172.2/28

Left In: 0.045+/-0.000 χ^2/NDF:244675.5/22

Left: 0.045+/-0.000 χ^2/NDF: 450560.0/46

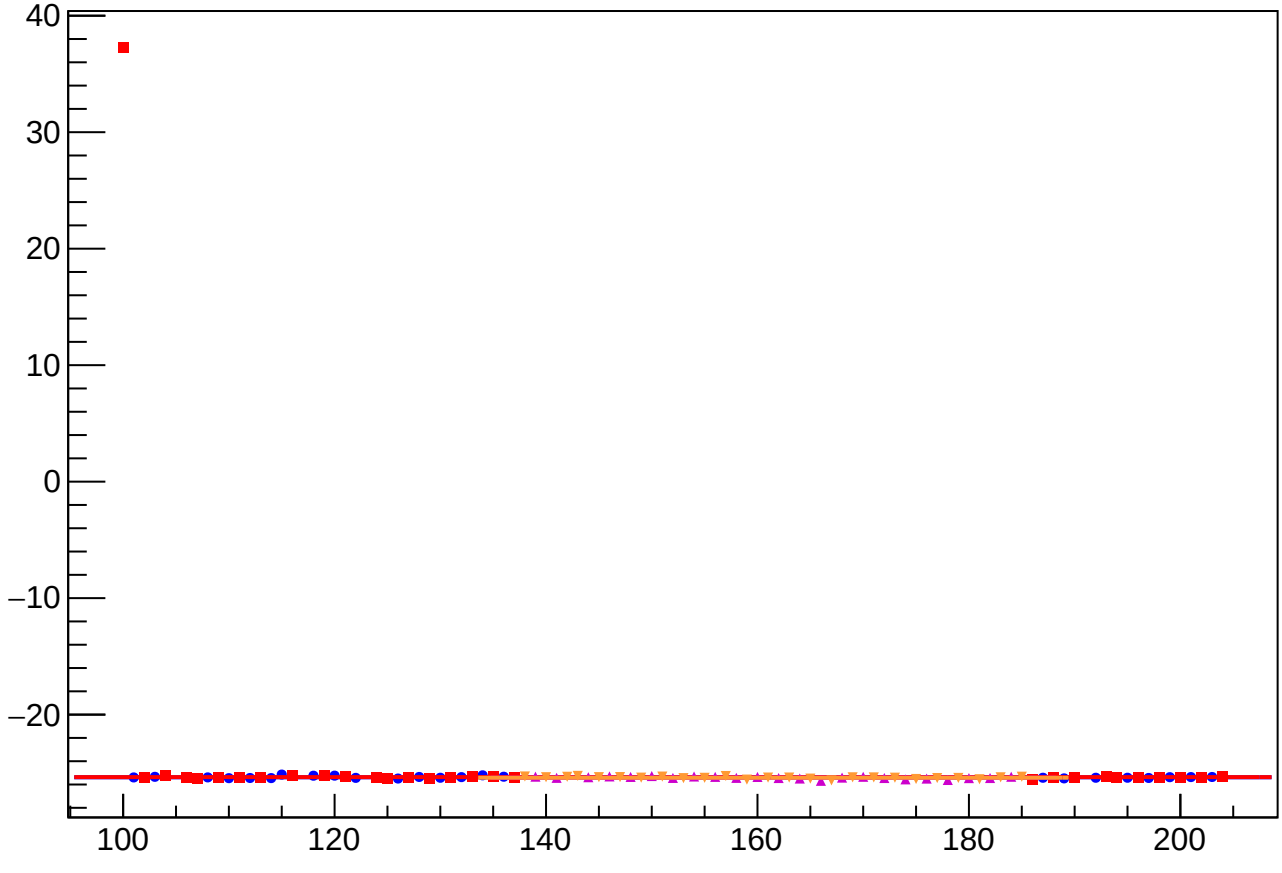
Right: 0.046+/-0.000 χ^2/NDF: 1335777.2/52

In: 0.046+/-0.000 χ^2/NDF:870199.5/46

Out: 0.046+/-0.000 χ^2/NDF:932212.2/52

All: 0.046+/-0.000 χ^2/NDF: 1803881.6/99

yield_dsr_mean vs Slug, Sign Corrected



Right In: -25.382+/-0.000 χ^2/NDF: 18790361.1/23

Left Out: -25.417+/-0.000 χ^2/NDF:52213098.9/24

Right Out: -25.366+/-0.000 χ^2/NDF: 6331681156.5/28

Left In: -25.414+/-0.000 χ^2/NDF:55851916.1/22

Left: -25.416+/-0.000 χ^2/NDF: 108085070.9/47

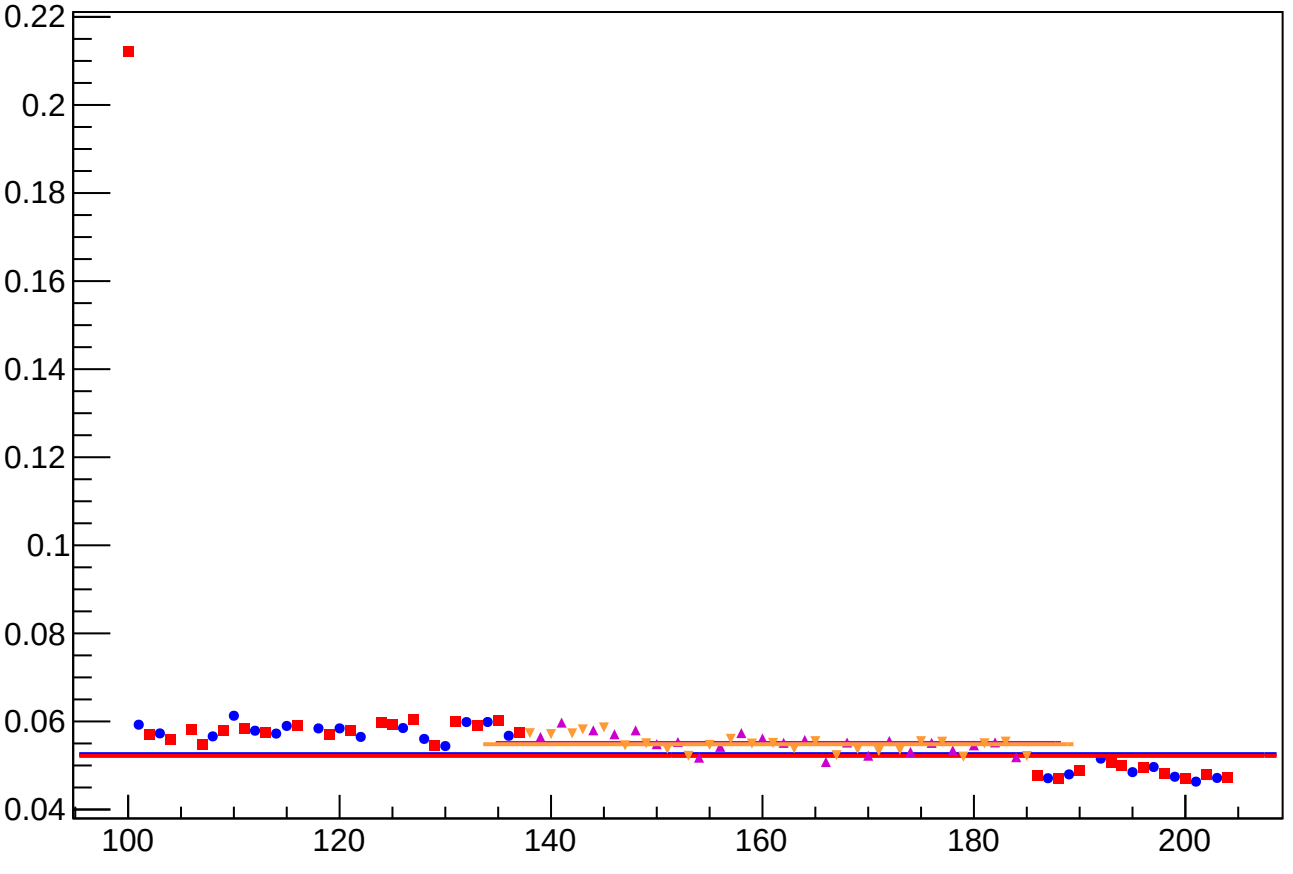
Right: -25.373+/-0.000 χ^2/NDF: 6351139034.1/52

In: -25.400+/-0.000 χ^2/NDF:77298535.9/46

Out: -25.393+/-0.000 χ^2/NDF:6391419292.9/53

All: -25.396+/-0.000 χ^2/NDF: 6468982941.0/

yield_dsr_rms vs Slug, Sign Corrected



Right In: 0.053+/-0.000 χ^2/NDF: 227561.8/23

Left Out: 0.055+/-0.000 χ^2/NDF:38095.1/24

Right Out: 0.052+/-0.000 χ^2/NDF: 341118.7/28

Left In: 0.055+/-0.000 χ^2/NDF:51531.3/22

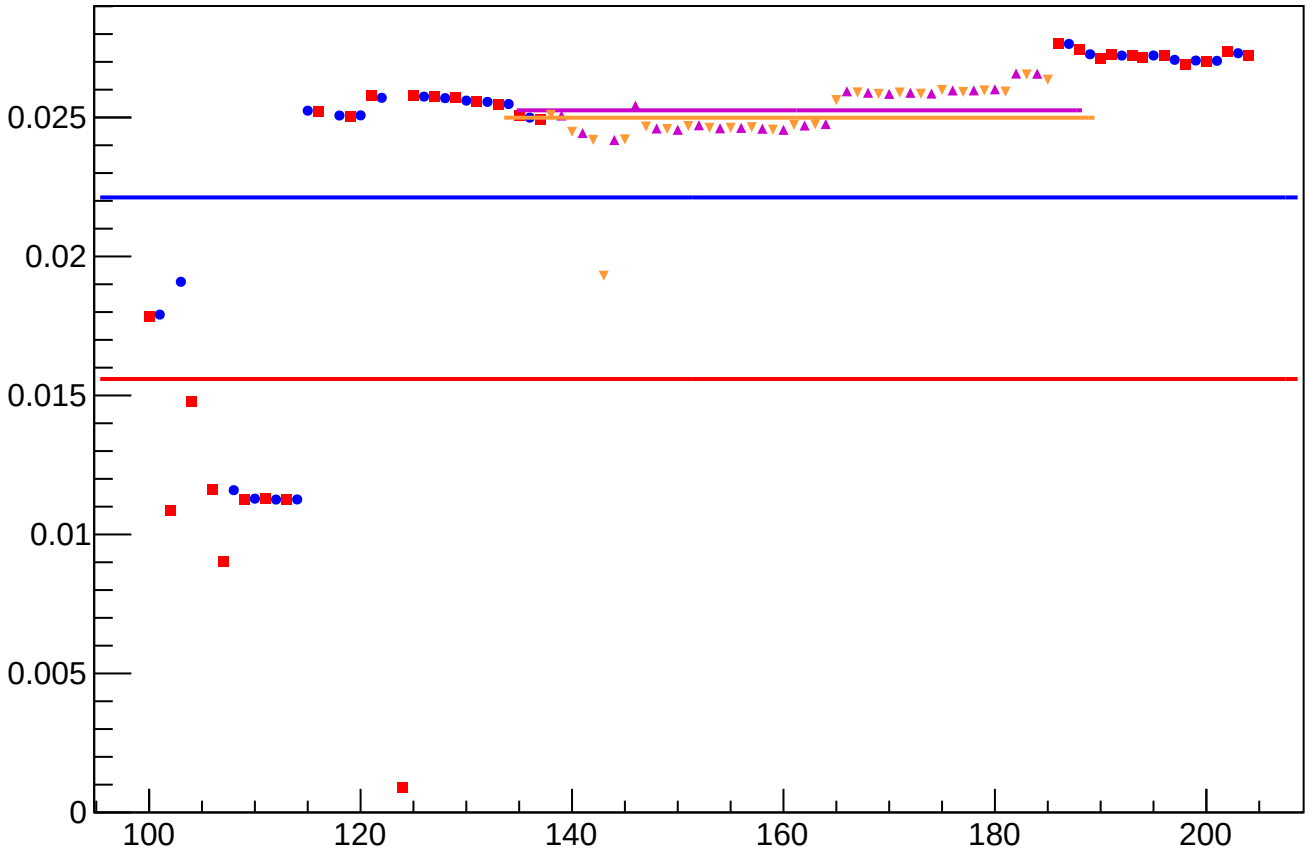
Left: 0.055+/-0.000 χ^2/NDF: 90127.5/47

Right: 0.052+/-0.000 χ^2/NDF: 569452.8/52

In: 0.054+/-0.000 χ^2/NDF:312298.0/46

Out: 0.054+/-0.000 χ^2/NDF:419541.1/53

All: 0.054+/-0.000 χ^2/NDF: 733546.3/100



Right In: 0.022+/-0.000 χ^2/NDF: 87227462772.6/23

Left Out: 0.025+/-0.000 χ^2/NDF:7880064969.5/24

Right Out: 0.016+/-0.000 χ^2/NDF: 419156453370.4/29

Left In: 0.025+/-0.000 χ^2/NDF:1884783780.3/22

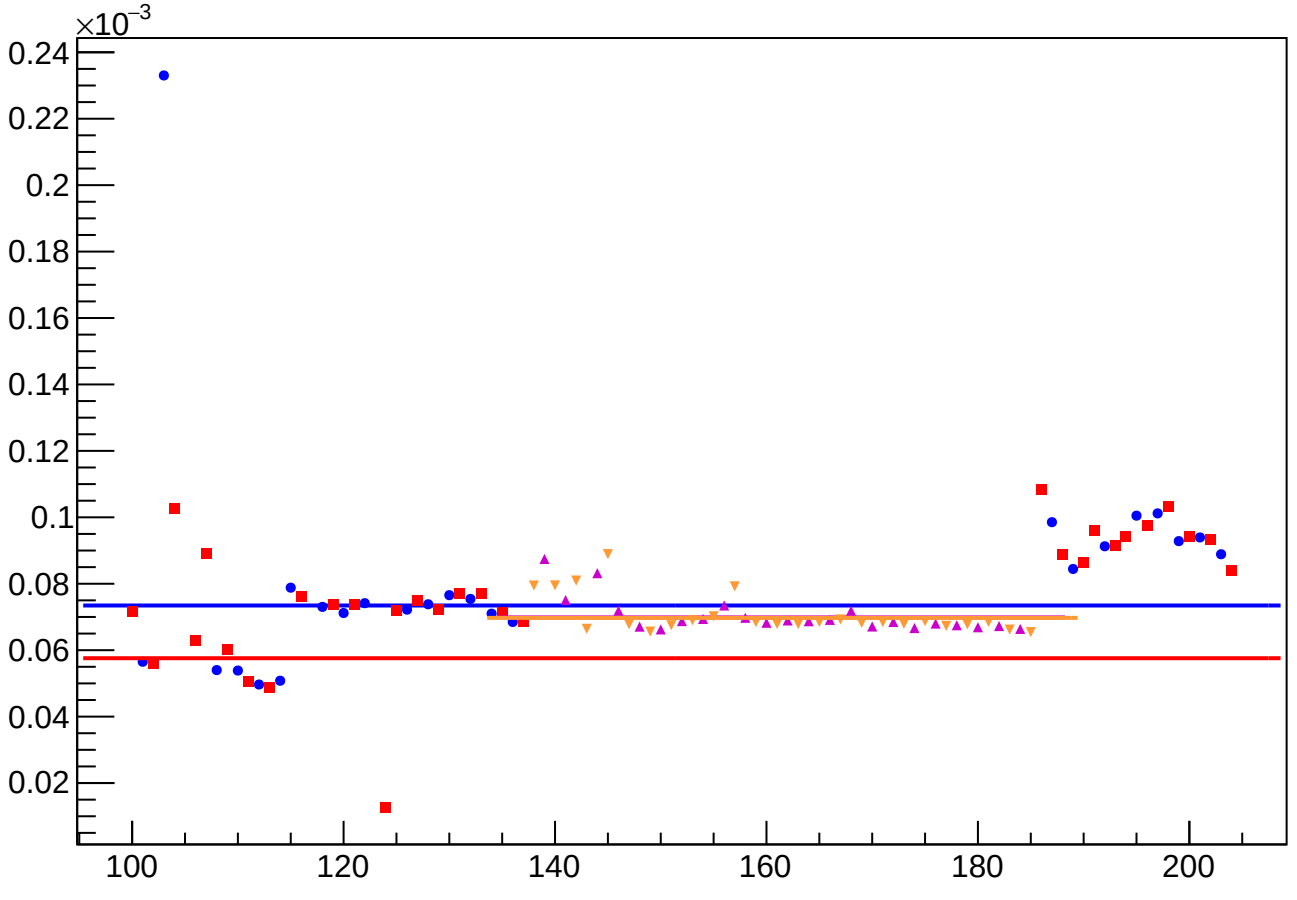
Left: 0.025+/-0.000 χ^2/NDF: 9897726075.2/47

Right: 0.018+/-0.000 χ^2/NDF: 563999178936.4/53

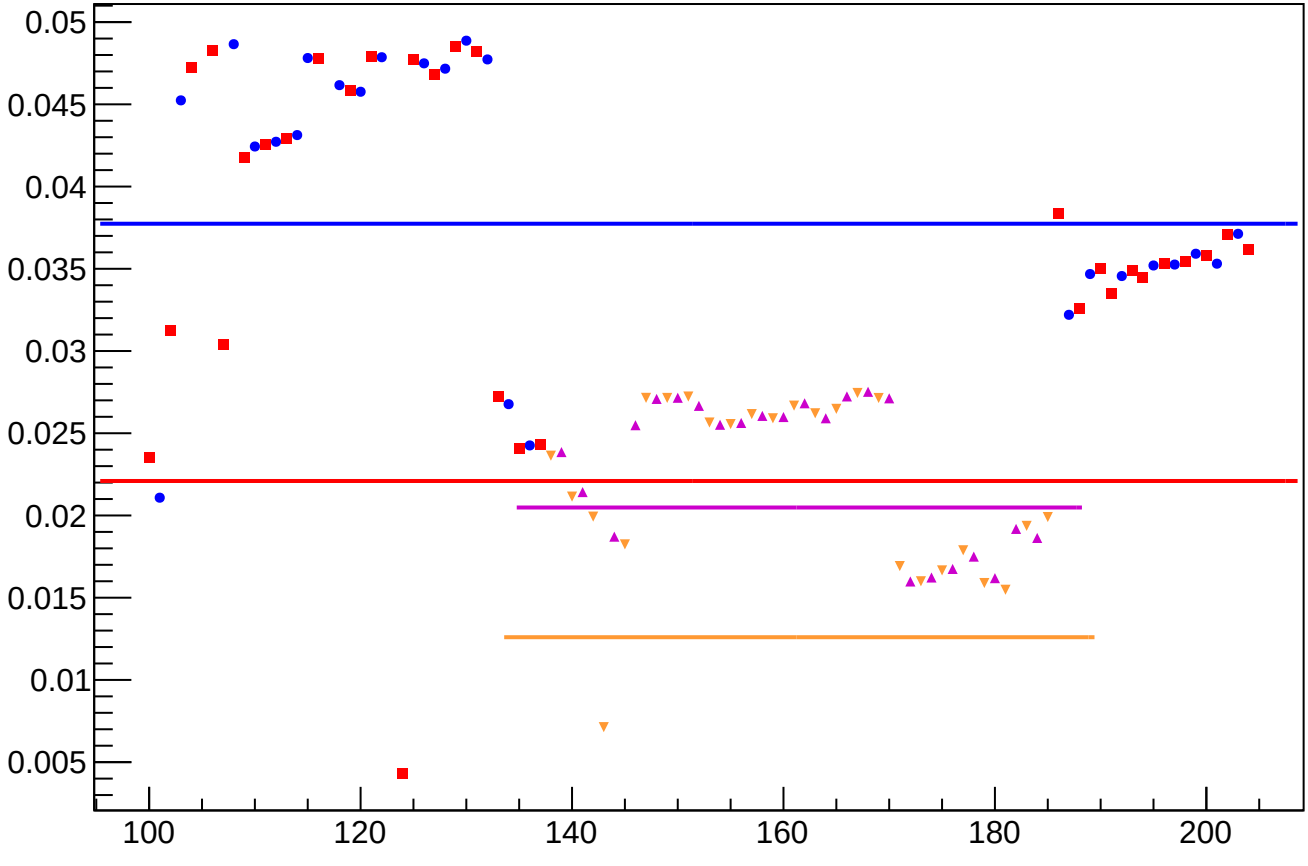
In: 0.024+/-0.000 χ^2/NDF:102749382636.8/46

Out: 0.021+/-0.000 χ^2/NDF:587947150853.3/54

All: 0.022+/-0.000 χ^2/NDF: 730273098643.1


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
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 1612337.8/23
Left Out: 0.000+/-0.000 χ²/NDF:188211.8/24
Right Out: 0.000+/-0.000 χ²/NDF: 6916873.6/29
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: 9209403.8/53
In: 0.000+/-0.000 χ²/NDF:1800438.8/46
Out: 0.000+/-0.000 χ²/NDF:7642275.7/54
All: 0.000+/-0.000 χ²/NDF: 9779249.4/101

yield_atl2_mean vs Slug, Sign Corrected



Right In: 0.038+/-0.000 χ^2/NDF: 7220140056.4/23

Left Out: 0.013+/-0.000 χ^2/NDF:37338500367.6/24

Right Out: 0.022+/-0.000 χ^2/NDF: 45914234655.1/29

Left In: 0.020+/-0.000 χ^2/NDF:6099907424.9/22

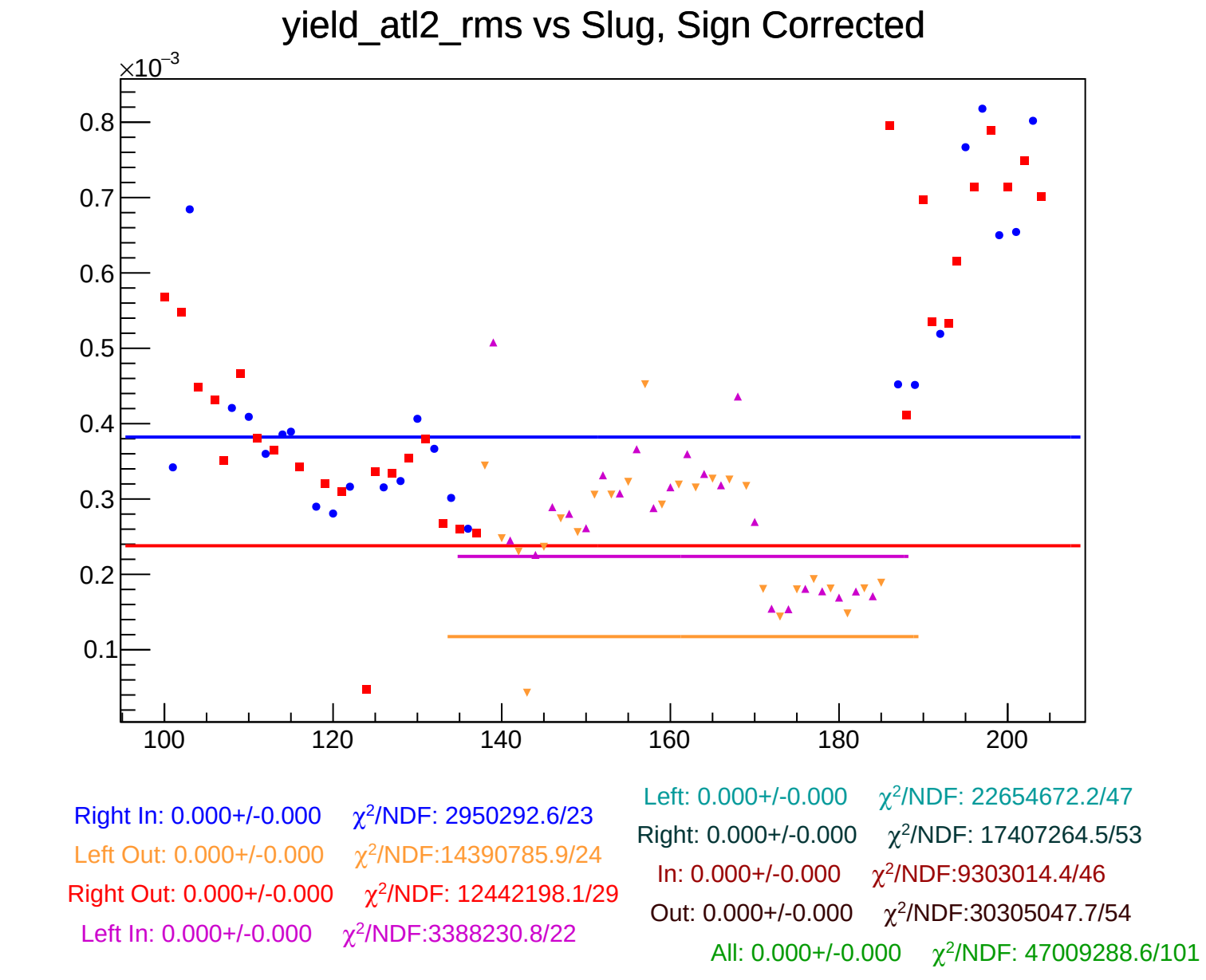
Left: 0.015+/-0.000 χ^2/NDF: 56833428679.6/47

Right: 0.027+/-0.000 χ^2/NDF: 64986661051.5/53

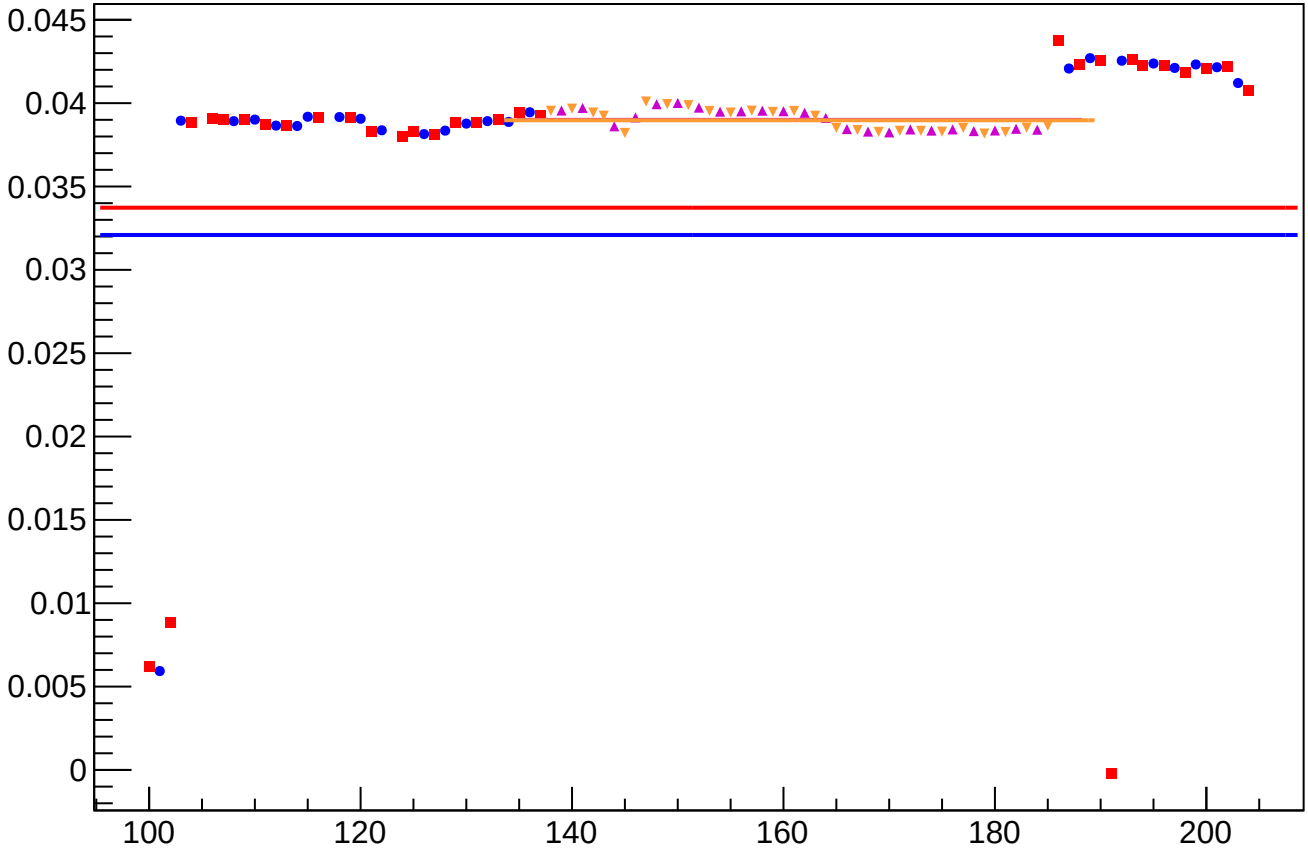
In: 0.024+/-0.000 χ^2/NDF:30918321839.7/46

Out: 0.014+/-0.000 χ^2/NDF:94033737095.7/54

All: 0.017+/-0.000 χ^2/NDF: 150144817220.1


yield_atl2_rms vs Slug, Sign Corrected
×10⁻³
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 2950292.6/23
Left Out: 0.000+/-0.000 χ²/NDF:14390785.9/24
Right Out: 0.000+/-0.000 χ²/NDF: 12442198.1/29
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: 17407264.5/53
In: 0.000+/-0.000 χ²/NDF:9303014.4/46
Out: 0.000+/-0.000 χ²/NDF:30305047.7/54
All: 0.000+/-0.000 χ²/NDF: 47009288.6/101

yield_atr1_mean vs Slug, Sign Corrected



Right In: 0.032+/-0.000 χ^2/NDF: 121418694408.1/23

Left Out: 0.039+/-0.000 χ^2/NDF:477670162.8/24

Right Out: 0.034+/-0.000 χ^2/NDF: 115439480539.5/29

Left In: 0.039+/-0.000 χ^2/NDF:408808029.6/22

Left: 0.039+/-0.000 χ^2/NDF: 886762060.9/47

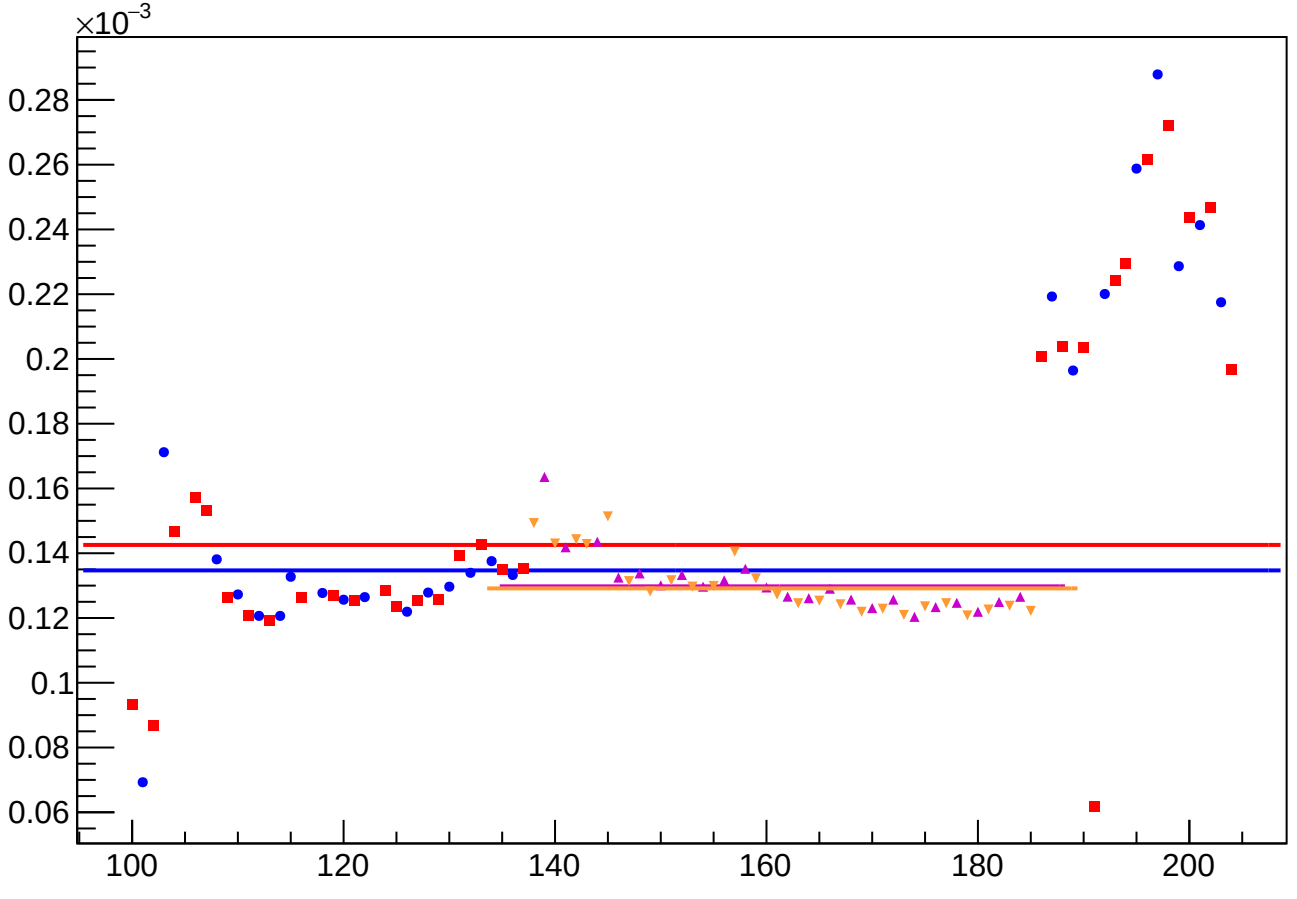
Right: 0.033+/-0.000 χ^2/NDF: 237697404984.3/53

In: 0.036+/-0.000 χ^2/NDF:140361363725.6/46

Out: 0.037+/-0.000 χ^2/NDF:127163499540.0/54

All: 0.037+/-0.000 χ^2/NDF: 267846842438.7

yield_atr1_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3378069.2/23

Left Out: 0.000+/-0.000 χ^2/NDF:157557.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3364022.0/29

Left In: 0.000+/-0.000 χ^2/NDF:141831.6/22

Left: 0.000+/-0.000 χ^2/NDF: 299820.4/47

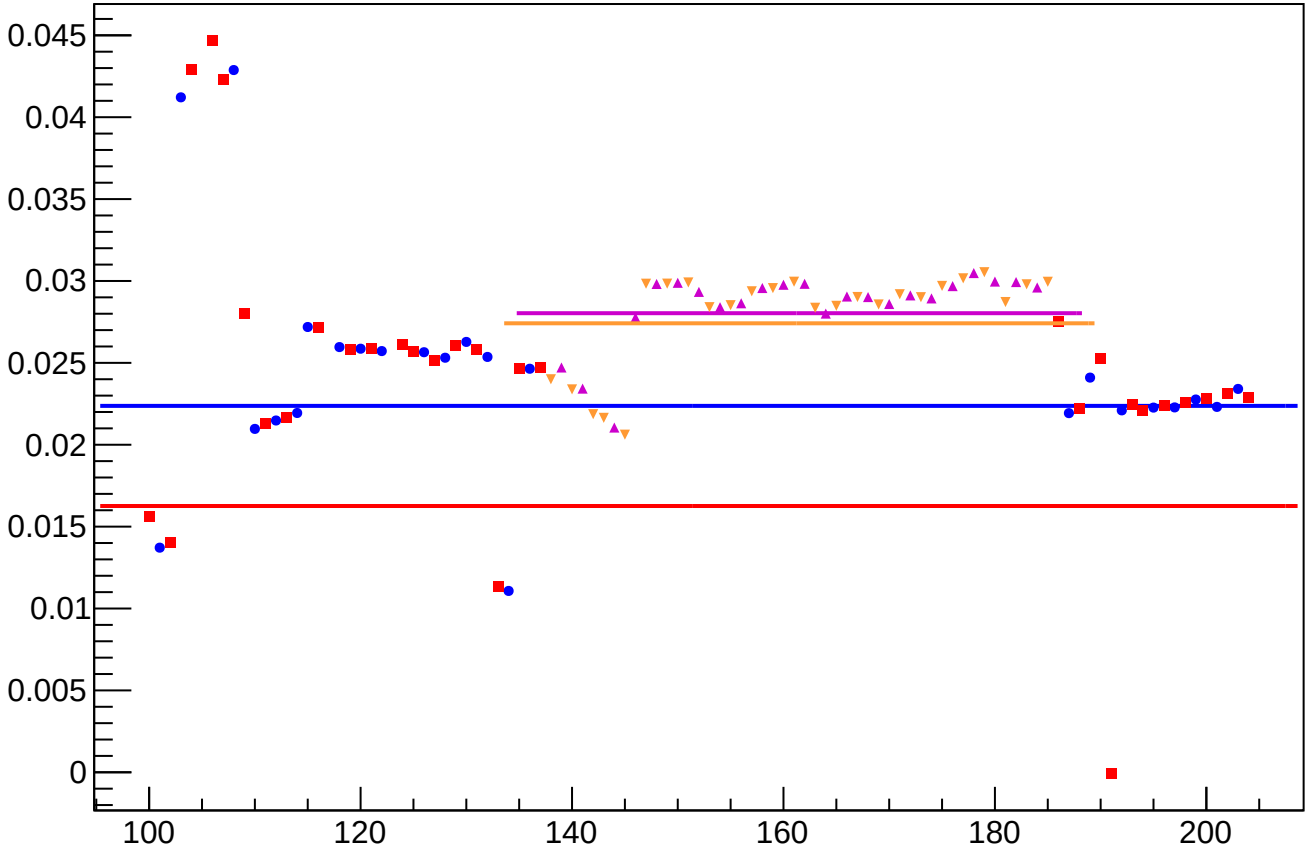
Right: 0.000+/-0.000 χ^2/NDF: 6780885.7/53

In: 0.000+/-0.000 χ^2/NDF:3538770.9/46

Out: 0.000+/-0.000 χ^2/NDF:3668859.7/54

All: 0.000+/-0.000 χ^2/NDF: 7217702.9/101

yield_atr2_mean vs Slug, Sign Corrected



Right In: 0.022+/-0.000 χ^2/NDF: 5026469269.0/23

Left Out: 0.027+/-0.000 χ^2/NDF:2240091851.9/24

Right Out: 0.016+/-0.000 χ^2/NDF: 25242483341.2/29

Left In: 0.028+/-0.000 χ^2/NDF:1490587051.3/22

Left: 0.028+/-0.000 χ^2/NDF: 3768752418.2/47

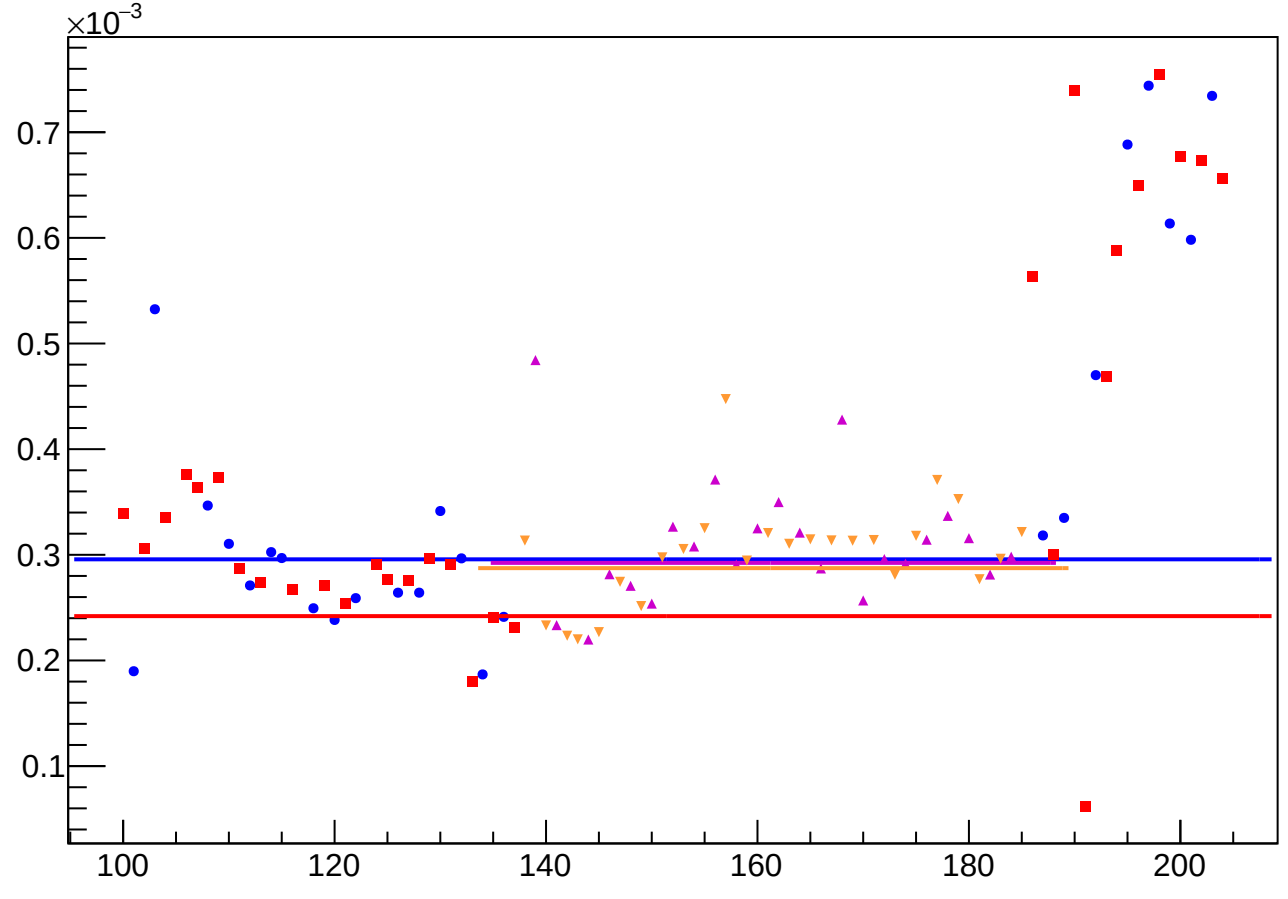
Right: 0.019+/-0.000 χ^2/NDF: 32830738436.4/53

In: 0.026+/-0.000 χ^2/NDF:8846621196.4/46

Out: 0.022+/-0.000 χ^2/NDF:38951312215.5/54

All: 0.024+/-0.000 χ^2/NDF: 49798145667.8/1

yield_atr2_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3860221.1/23

Left Out: 0.000+/-0.000 χ^2/NDF:821515.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8840129.4/29

Left In: 0.000+/-0.000 χ^2/NDF:970483.1/22

Left: 0.000+/-0.000 χ^2/NDF: 1796968.4/47

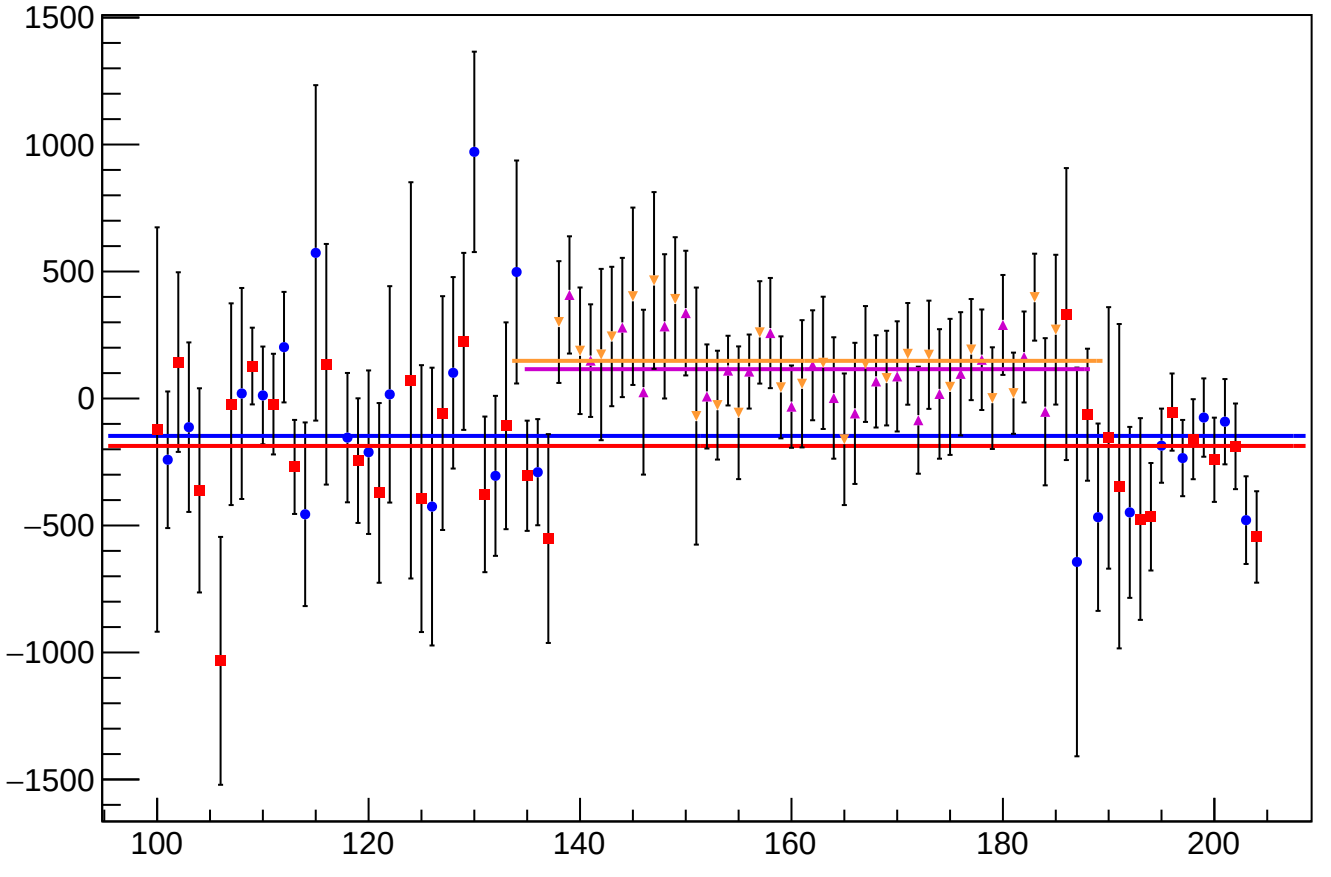
Right: 0.000+/-0.000 χ^2/NDF: 13096378.9/53

In: 0.000+/-0.000 χ^2/NDF:4832337.3/46

Out: 0.000+/-0.000 χ^2/NDF:10041804.4/54

All: 0.000+/-0.000 χ^2/NDF: 15110494.5/101

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: -147.312+/-50.478 χ^2/NDF: 23.7/23

Left Out: 148.273+/-46.219 χ^2/NDF:10.4/24

Right Out: -186.785+/-46.904 χ^2/NDF: 21.7/29

Left In: 115.487+/-43.568 χ^2/NDF:7.8/22

Left: 130.913+/-31.703 χ^2/NDF: 18.4/47

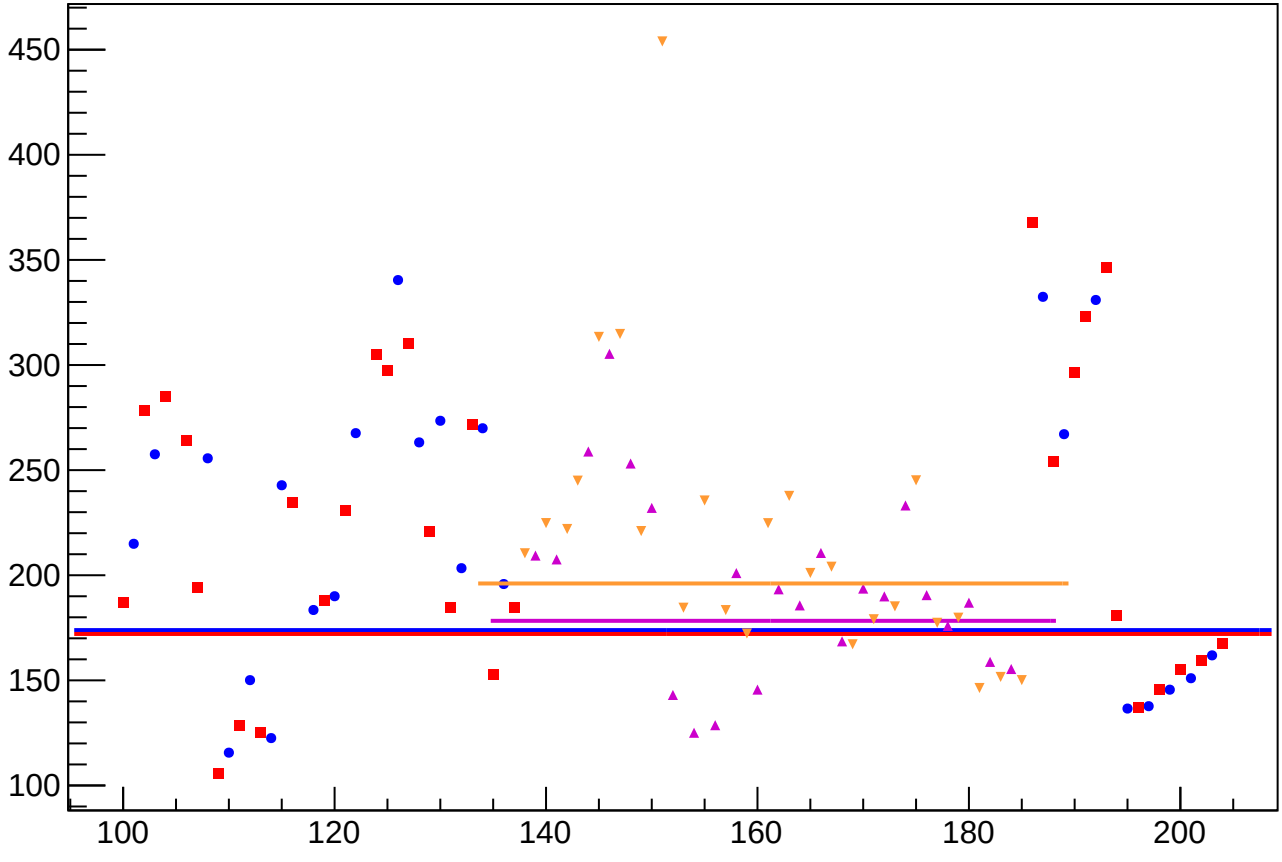
Right: -168.495+/-34.360 χ^2/NDF: 45.7/53

In: 3.293+/-32.982 χ^2/NDF:47.0/46

Out: -16.793+/-32.921 χ^2/NDF:58.0/54

All: -6.768+/-23.300 χ^2/NDF: 105.1/101

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 173.906+/-0.036 χ^2/NDF: 2194188.9/23

Left Out: 196.087+/-0.033 χ^2/NDF:1818492.9/24

Right Out: 172.071+/-0.033 χ^2/NDF: 2902084.9/29

Left In: 178.318+/-0.031 χ^2/NDF:1678336.4/22

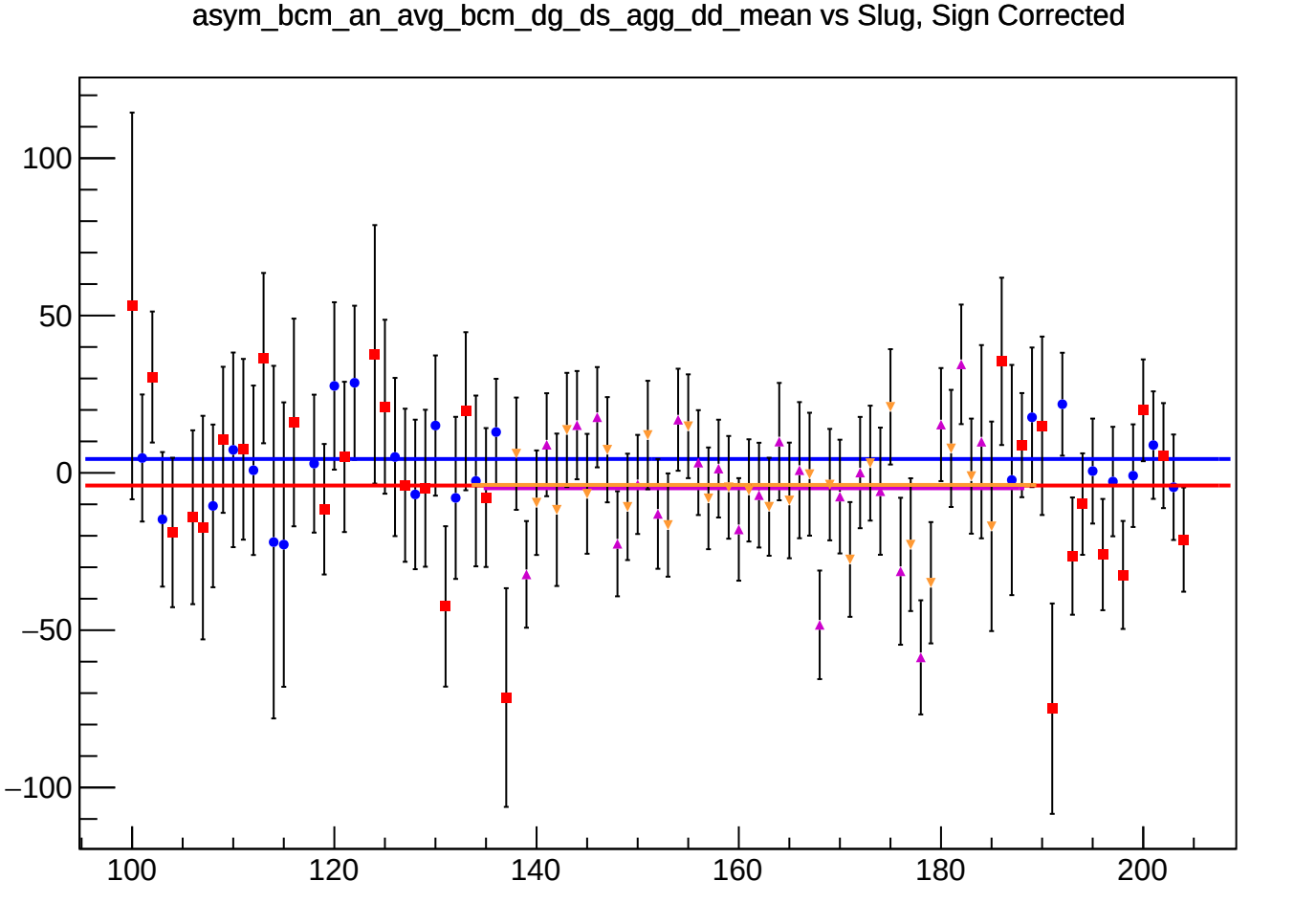
Left: 186.678+/-0.022 χ^2/NDF: 3653348.5/47

Right: 172.921+/-0.024 χ^2/NDF: 5097691.8/53

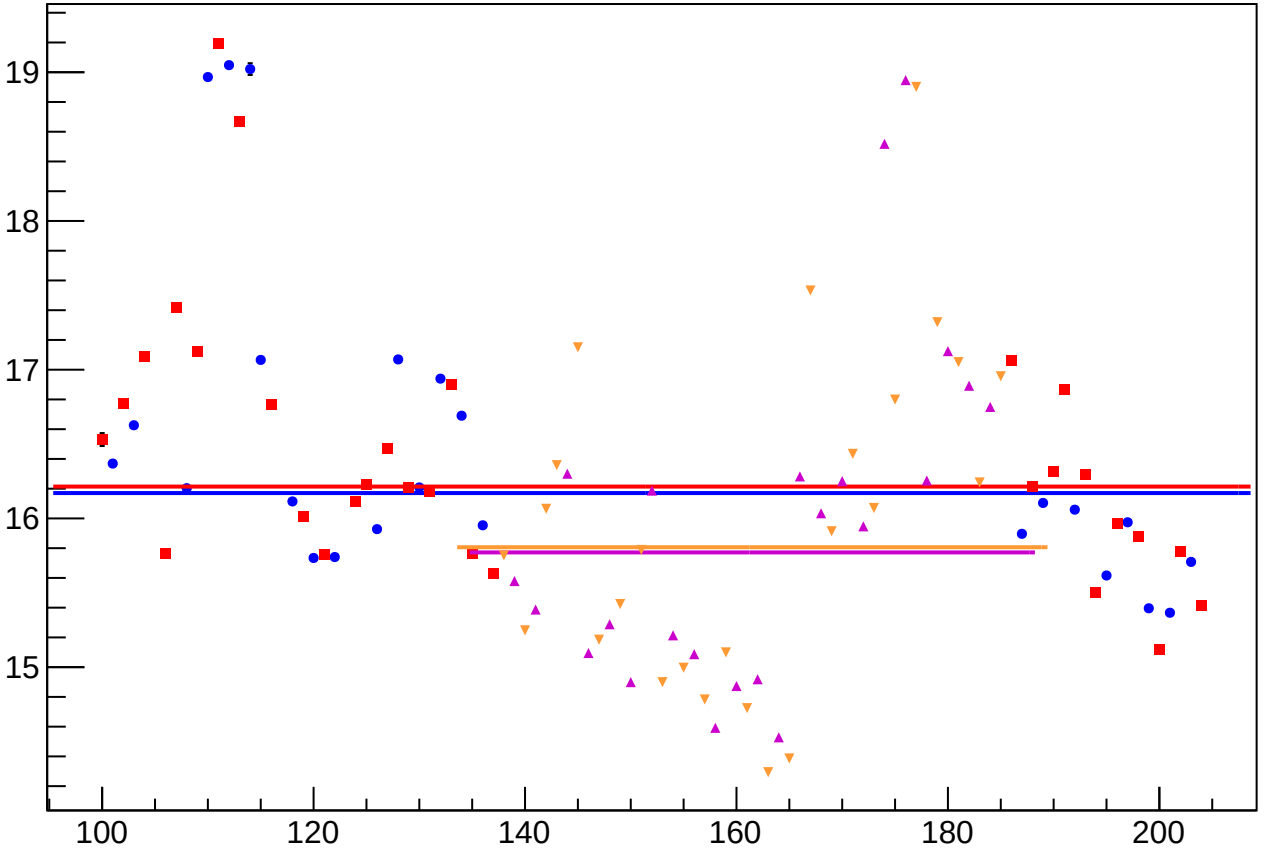
In: 176.434+/-0.023 χ^2/NDF:3881281.6/46

Out: 184.255+/-0.023 χ^2/NDF:4986592.5/54

All: 180.352+/-0.016 χ^2/NDF: 8924209.8/101


asym_bcm_an_avg_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected
100
50
0
−50
−100
100
120
140
160
180
200
Right In: 4.408+/-4.454 χ²/NDF: 6.7/23
Left Out: -3.834+/-3.603 χ²/NDF:12.9/24
Right Out: -4.022+/-4.129 χ²/NDF: 33.7/29
Left In: -4.903+/-3.695 χ²/NDF:33.9/22
Left: -4.355+/-2.580 χ²/NDF: 46.8/47
Right: -0.126+/-3.028 χ²/NDF: 42.3/53
In: -1.107+/-2.844 χ²/NDF:43.2/46
Out: -3.916+/-2.715 χ²/NDF:46.6/54
All: -2.577+/-1.964 χ²/NDF: 90.3/101

asym_bcm_an_avg_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 16.171+/-0.003 χ^2/NDF: 66477.3/23

Left Out: 15.806+/-0.003 χ^2/NDF:172651.3/24

Right Out: 16.214+/-0.003 χ^2/NDF: 75773.7/29

Left In: 15.771+/-0.003 χ^2/NDF:152136.7/22

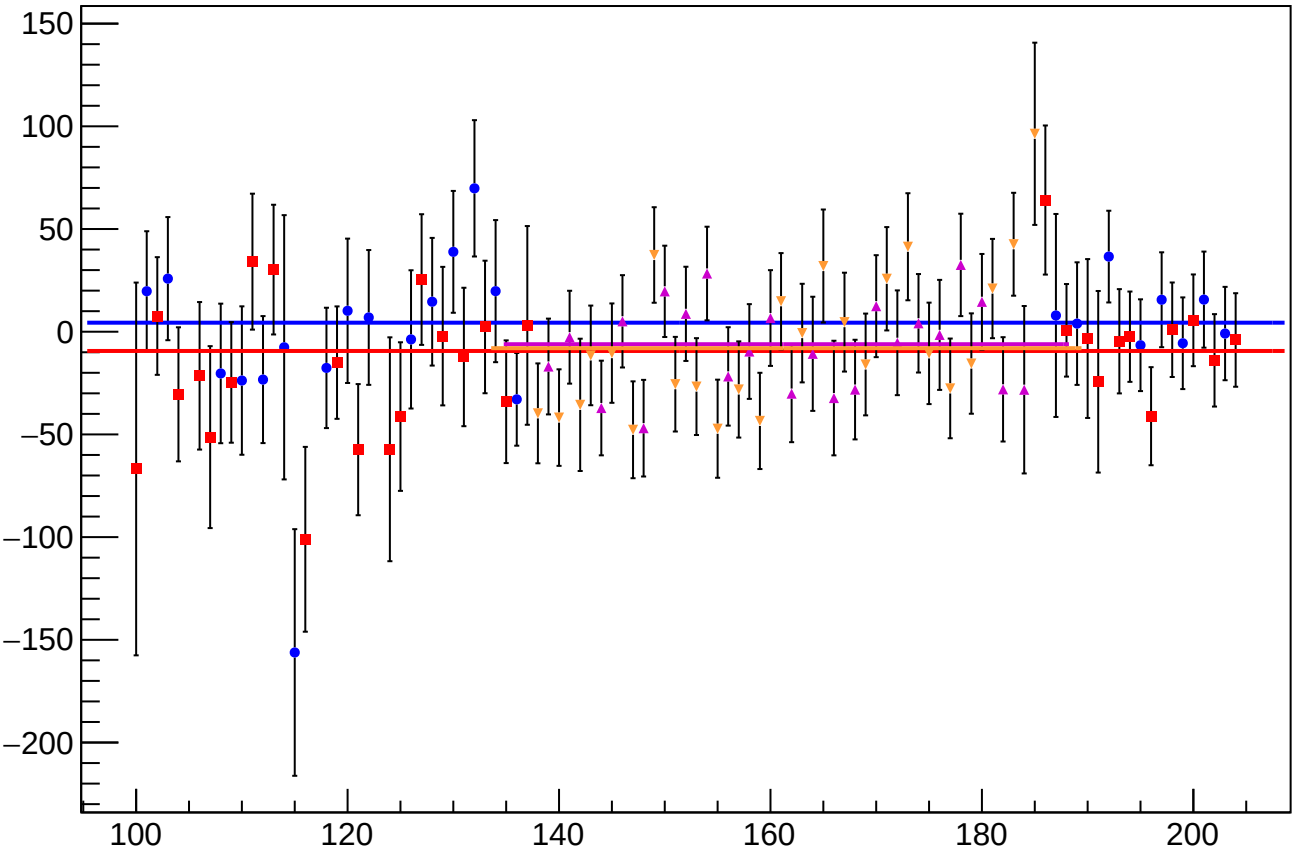
Left: 15.789+/-0.002 χ^2/NDF: 324879.5/47

Right: 16.194+/-0.002 χ^2/NDF: 142354.2/53

In: 15.934+/-0.002 χ^2/NDF:228127.2/46

Out: 15.983+/-0.002 χ^2/NDF:259505.3/54

All: 15.960+/-0.001 χ^2/NDF: 487936.2/101



Right In: 4.396+/-5.941 χ^2/NDF: 21.9/23

Left Out: -8.016+/-4.956 χ^2/NDF:38.9/24

Right Out: -9.372+/-5.514 χ^2/NDF: 23.0/29

Left In: -6.086+/-5.080 χ^2/NDF:17.9/22

Left: -7.075+/-3.547 χ^2/NDF: 56.8/47

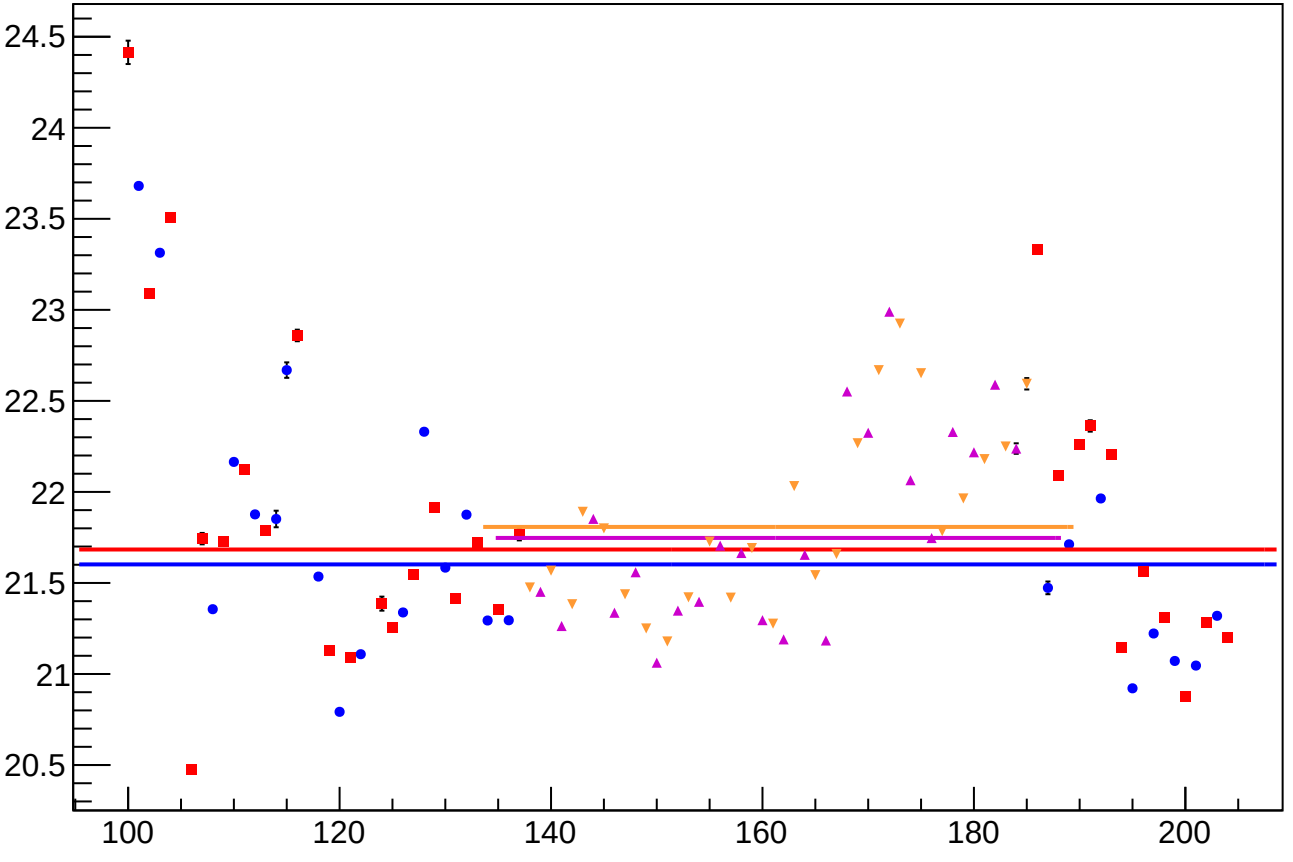
Right: -3.000+/-4.041 χ^2/NDF: 47.8/53

In: -1.659+/-3.861 χ^2/NDF:41.6/46

Out: -8.622+/-3.686 χ^2/NDF:61.9/54

All: -5.302+/-2.666 χ^2/NDF: 105.1/101

asym_bcm_an_avg_bcm_dg_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 21.602+/-0.004 χ^2/NDF: 27008.5/23

Left Out: 21.808+/-0.004 χ^2/NDF:17561.0/24

Right Out: 21.684+/-0.004 χ^2/NDF: 31715.4/29

Left In: 21.747+/-0.004 χ^2/NDF:20560.9/22

Left: 21.778+/-0.003 χ^2/NDF: 38266.9/47

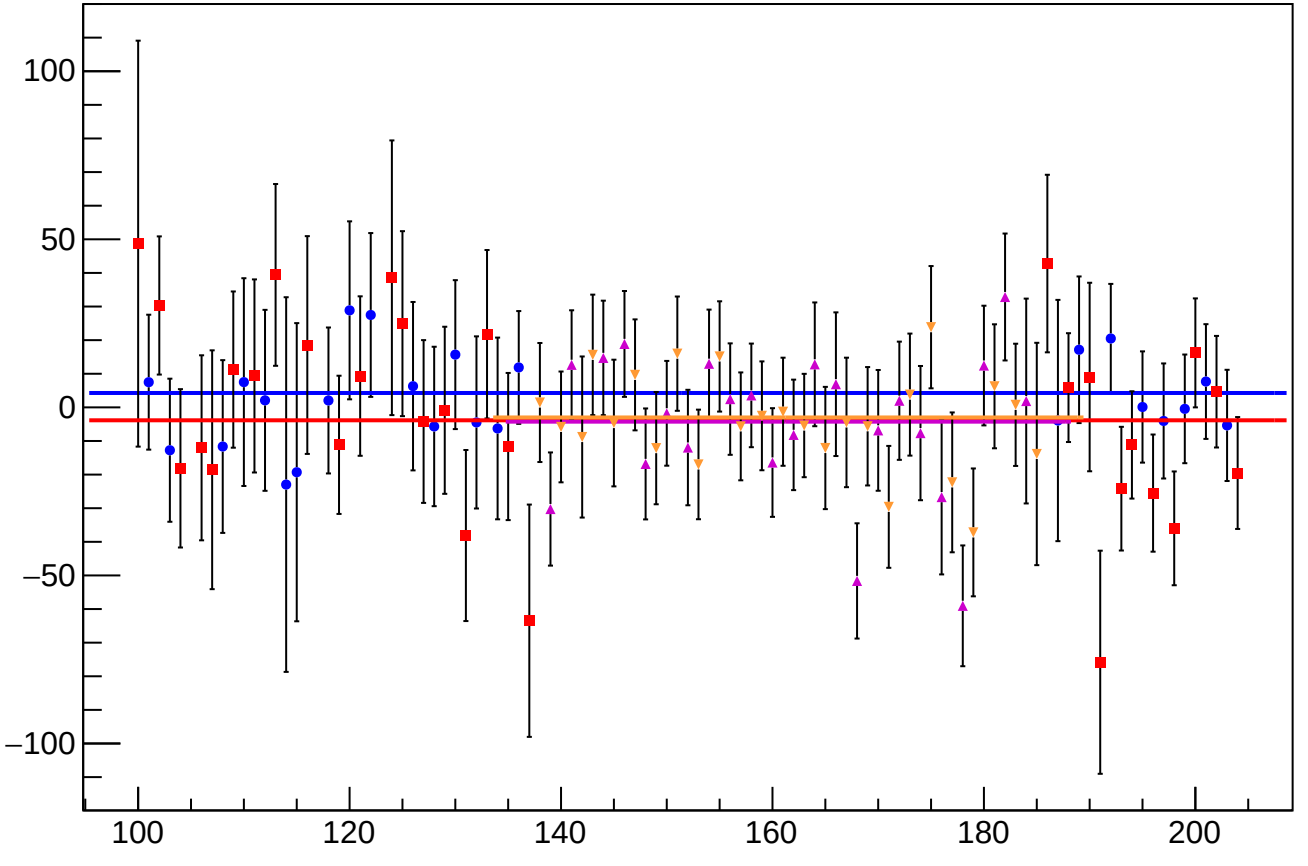
Right: 21.646+/-0.003 χ^2/NDF: 58927.9/53

In: 21.686+/-0.003 χ^2/NDF:48261.4/46

Out: 21.752+/-0.003 χ^2/NDF:49835.6/54

All: 21.721+/-0.002 χ^2/NDF: 98407.0/101

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 4.283+/-4.419 χ^2/NDF: 6.5/23

Left Out: -3.002+/-3.569 χ^2/NDF:14.6/24

Right Out: -3.845+/-4.099 χ^2/NDF: 34.1/29

Left In: -4.249+/-3.661 χ^2/NDF:33.8/22

Left: -3.610+/-2.555 χ^2/NDF: 48.5/47

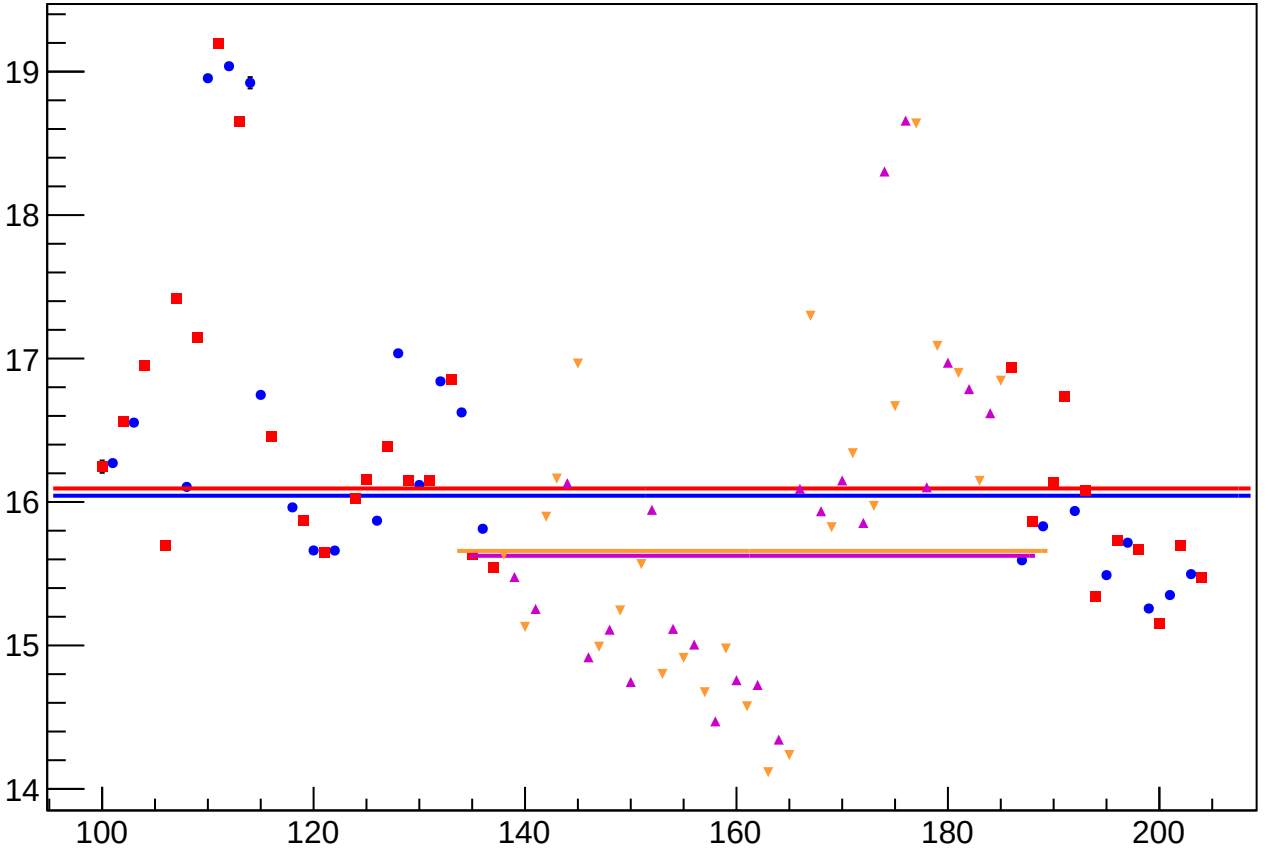
Right: -0.087+/-3.005 χ^2/NDF: 42.3/53

In: -0.777+/-2.819 χ^2/NDF:42.5/46

Out: -3.366+/-2.691 χ^2/NDF:48.7/54

All: -2.131+/-1.947 χ^2/NDF: 91.7/101

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 16.044+/-0.003 χ^2/NDF: 71296.8/23

Left Out: 15.659+/-0.003 χ^2/NDF:169838.6/24

Right Out: 16.094+/-0.003 χ^2/NDF: 77376.1/29

Left In: 15.625+/-0.003 χ^2/NDF:150431.7/22

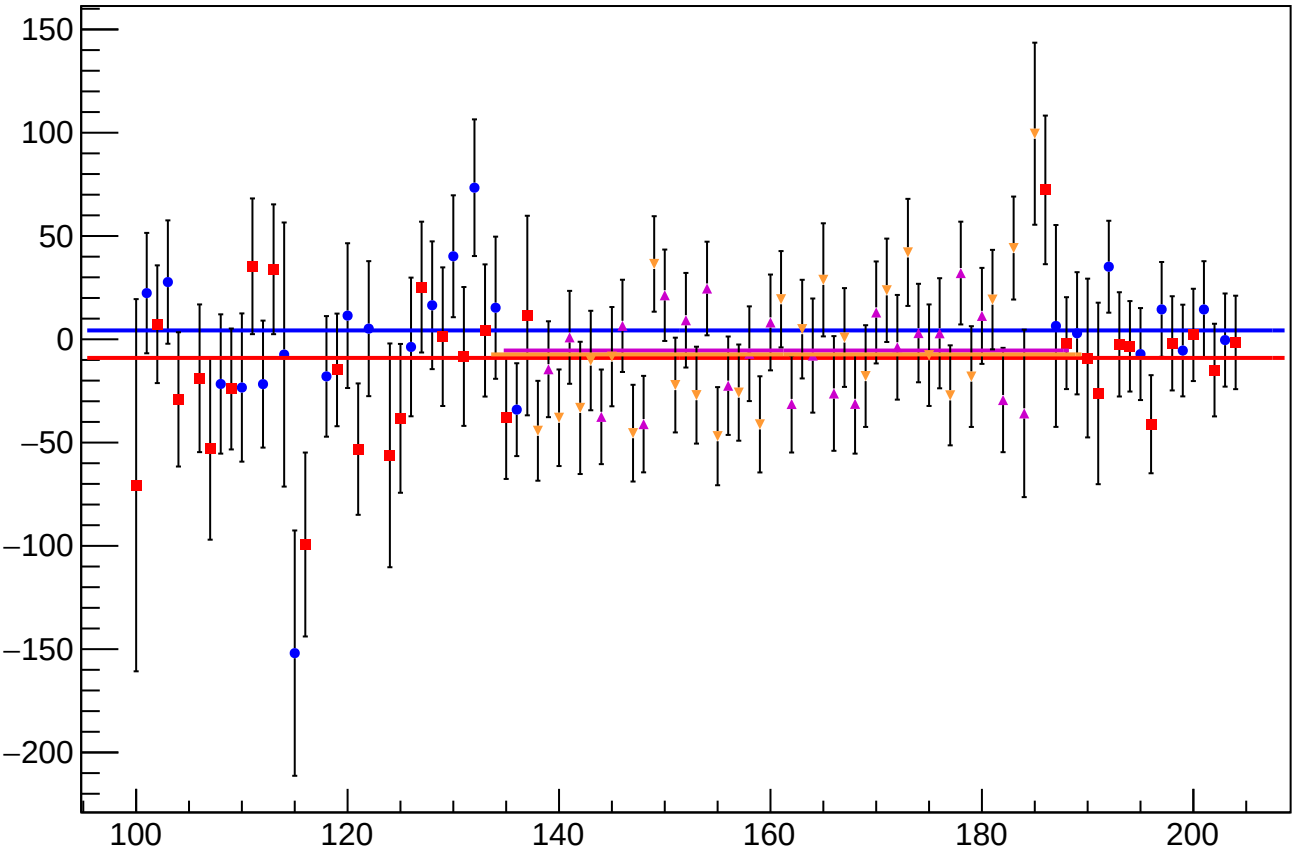
Left: 15.642+/-0.002 χ^2/NDF: 320358.4/47

Right: 16.071+/-0.002 χ^2/NDF: 148813.9/53

In: 15.795+/-0.002 χ^2/NDF:232371.2/46

Out: 15.847+/-0.002 χ^2/NDF:260047.0/54

All: 15.822+/-0.001 χ^2/NDF: 492764.3/101



Right In: 4.293+/-5.912 χ^2/NDF: 22.4/23

Left Out: -7.318+/-4.929 χ^2/NDF:38.6/24

Right Out: -9.017+/-5.484 χ^2/NDF: 24.1/29

Left In: -5.435+/-5.054 χ^2/NDF:17.3/22

Left: -6.400+/-3.529 χ^2/NDF: 56.0/47

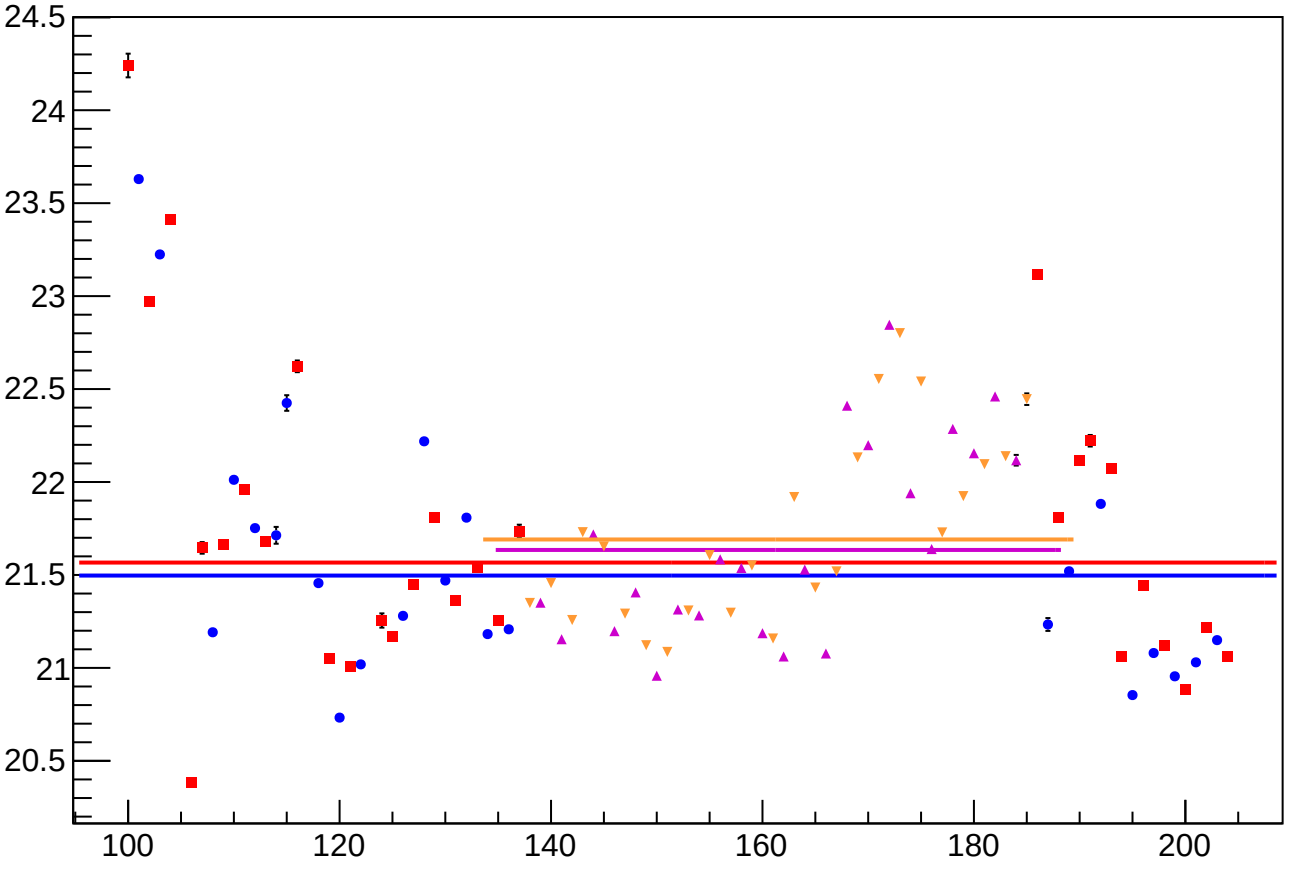
Right: -2.861+/-4.021 χ^2/NDF: 49.2/53

In: -1.327+/-3.841 χ^2/NDF:41.2/46

Out: -8.077+/-3.666 χ^2/NDF:62.8/54

All: -4.860+/-2.652 χ^2/NDF: 105.6/101

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 21.497+/-0.004 χ^2/NDF: 27320.0/23

Left Out: 21.691+/-0.003 χ^2/NDF:17934.9/24

Right Out: 21.567+/-0.004 χ^2/NDF: 29660.5/29

Left In: 21.635+/-0.004 χ^2/NDF:20561.5/22

Left: 21.663+/-0.002 χ^2/NDF: 38623.9/47

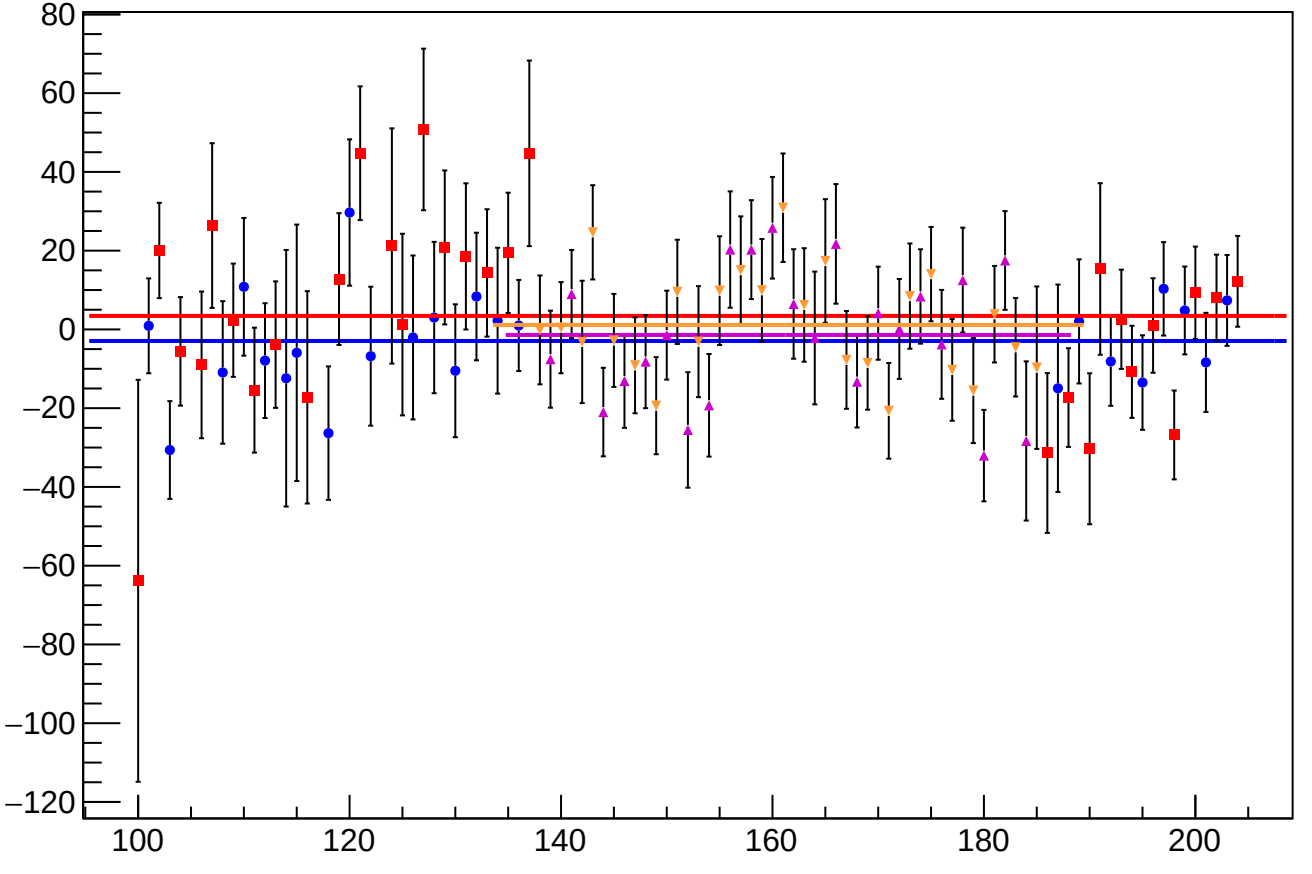
Right: 21.534+/-0.003 χ^2/NDF: 57131.1/53

In: 21.576+/-0.003 χ^2/NDF:48509.6/46

Out: 21.635+/-0.003 χ^2/NDF:48163.1/54

All: 21.607+/-0.002 χ^2/NDF: 96919.9/101

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -2.937+/-3.045 χ^2/NDF: 16.1/23

Left Out: 1.138+/-2.620 χ^2/NDF:24.5/24

Right Out: 3.435+/-2.830 χ^2/NDF: 44.7/29

Left In: -1.407+/-2.674 χ^2/NDF:36.3/22

Left: -0.108+/-1.871 χ^2/NDF: 61.3/47

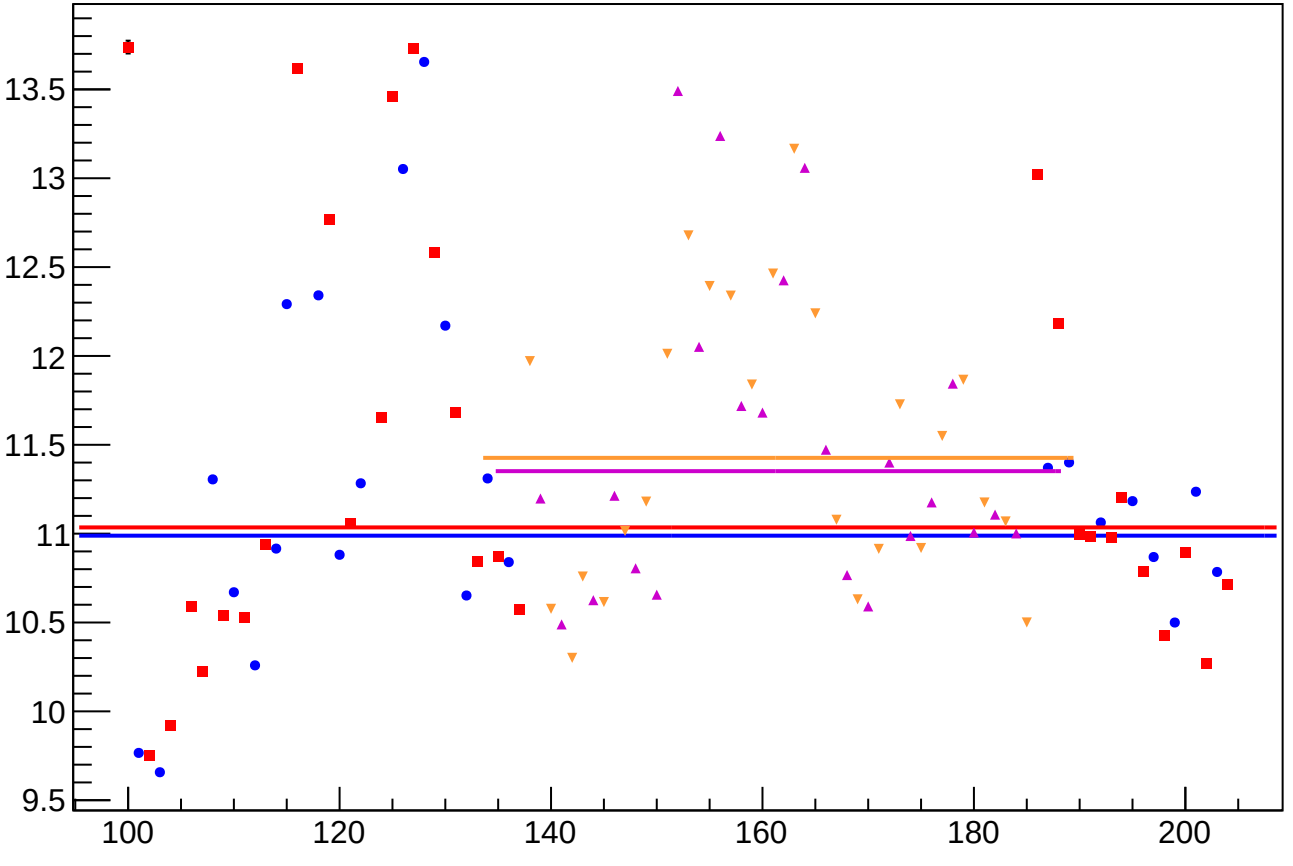
Right: 0.482+/-2.073 χ^2/NDF: 63.2/53

In: -2.073+/-2.009 χ^2/NDF:52.6/46

Out: 2.198+/-1.923 χ^2/NDF:69.6/54

All: 0.156+/-1.389 χ^2/NDF: 124.5/101

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 10.989+/-0.002 χ^2/NDF: 144014.2/23

Left Out: 11.426+/-0.002 χ^2/NDF:156973.4/24

Right Out: 11.035+/-0.002 χ^2/NDF: 218319.9/29

Left In: 11.352+/-0.002 χ^2/NDF:170563.6/22

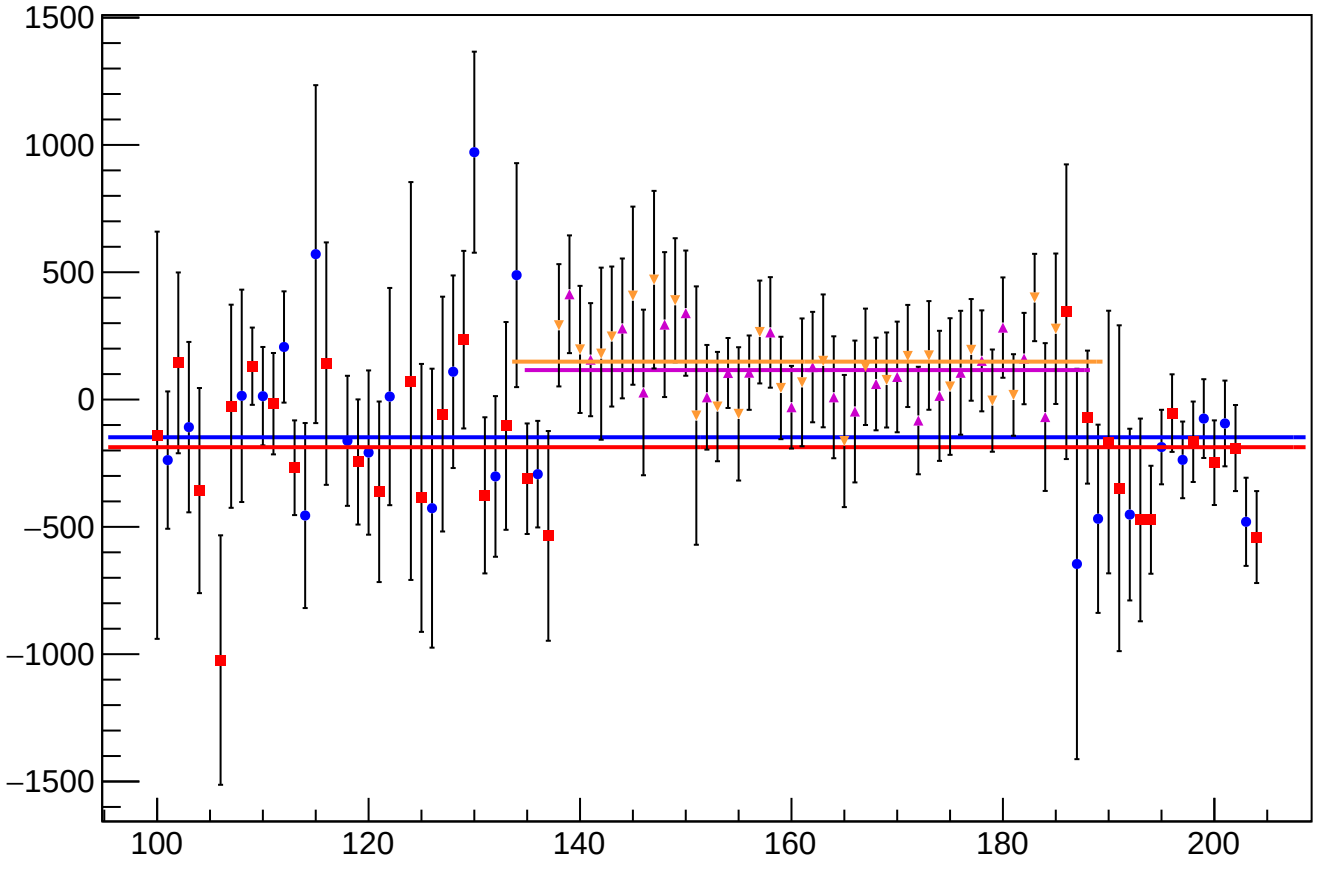
Left: 11.390+/-0.001 χ^2/NDF: 328334.9/47

Right: 11.014+/-0.001 χ^2/NDF: 362584.2/53

In: 11.194+/-0.001 χ^2/NDF:330634.7/46

Out: 11.246+/-0.001 χ^2/NDF:395891.9/54

All: 11.221+/-0.001 χ^2/NDF: 727231.9/101



Right In: -148.072+/-50.617 χ^2/NDF: 23.7/23

Left Out: 148.905+/-46.306 χ^2/NDF:10.5/24

Right Out: -187.095+/-47.036 χ^2/NDF: 21.7/29

Left In: 115.709+/-43.641 χ^2/NDF:7.8/22

Left: 131.325+/-31.759 χ^2/NDF: 18.6/47

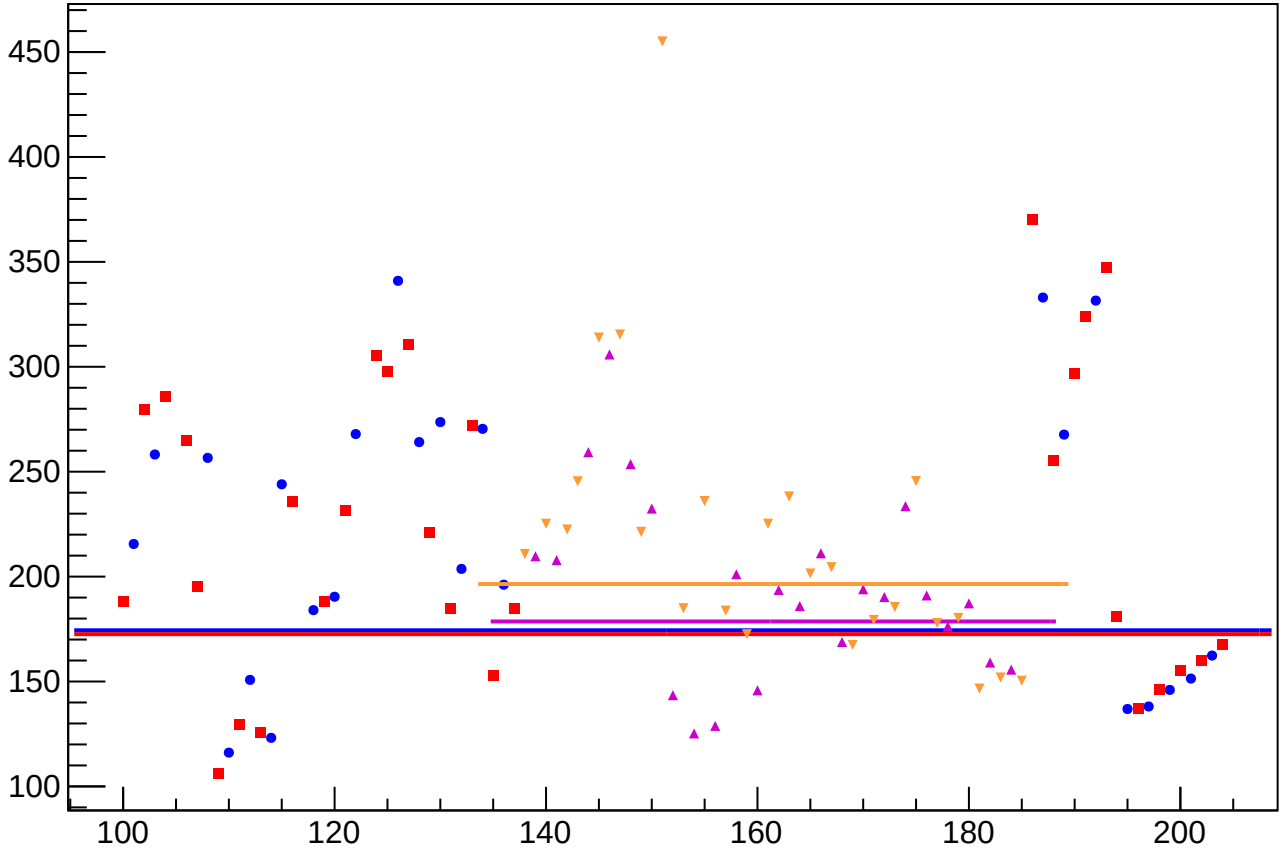
Right: -169.013+/-34.456 χ^2/NDF: 45.6/53

In: 3.235+/-33.052 χ^2/NDF:47.0/46

Out: -16.470+/-32.998 χ^2/NDF:58.1/54

All: -6.634+/-23.352 χ^2/NDF: 105.3/101

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs Slug, Sign Corrected



Right In: 174.404+/-0.036 χ^2/NDF: 2188481.3/23

Left Out: 196.454+/-0.033 χ^2/NDF:1818746.1/24

Right Out: 172.566+/-0.033 χ^2/NDF: 2898741.0/29

Left In: 178.614+/-0.031 χ^2/NDF:1678859.8/22

Left: 187.006+/-0.022 χ^2/NDF: 3654827.6/47

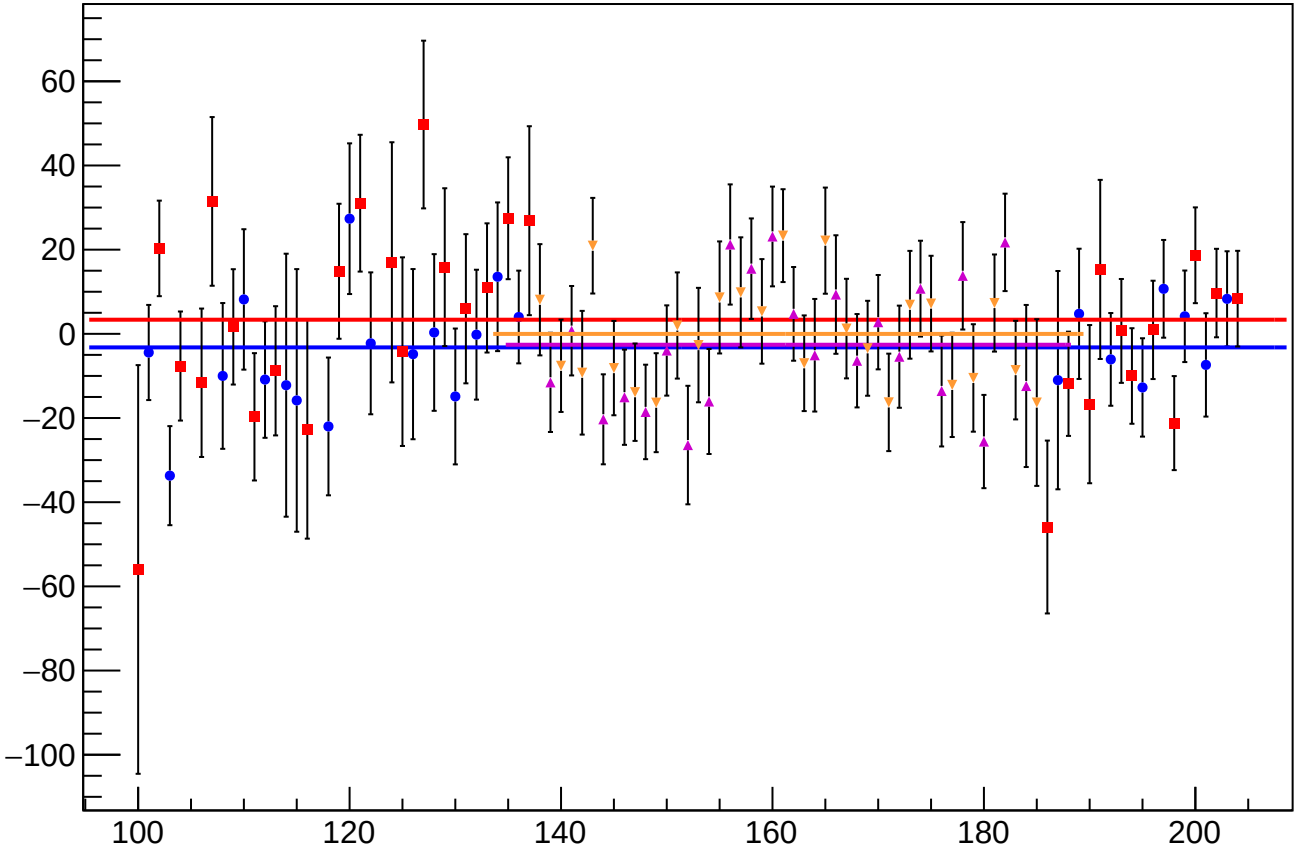
Right: 173.418+/-0.024 χ^2/NDF: 5088638.5/53

In: 176.819+/-0.023 χ^2/NDF:3875275.9/46

Out: 184.697+/-0.023 χ^2/NDF:4979463.4/54

All: 180.764+/-0.017 χ^2/NDF: 8911637.7/101

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs Slug, Sign Corrected



Right In: -3.222+/-2.936 χ^2/NDF: 18.2/23

Left Out: -0.018+/-2.445 χ^2/NDF:23.7/24

Right Out: 3.357+/-2.733 χ^2/NDF: 42.3/29

Left In: -2.591+/-2.506 χ^2/NDF:34.8/22

Left: -1.272+/-1.750 χ^2/NDF: 59.1/47

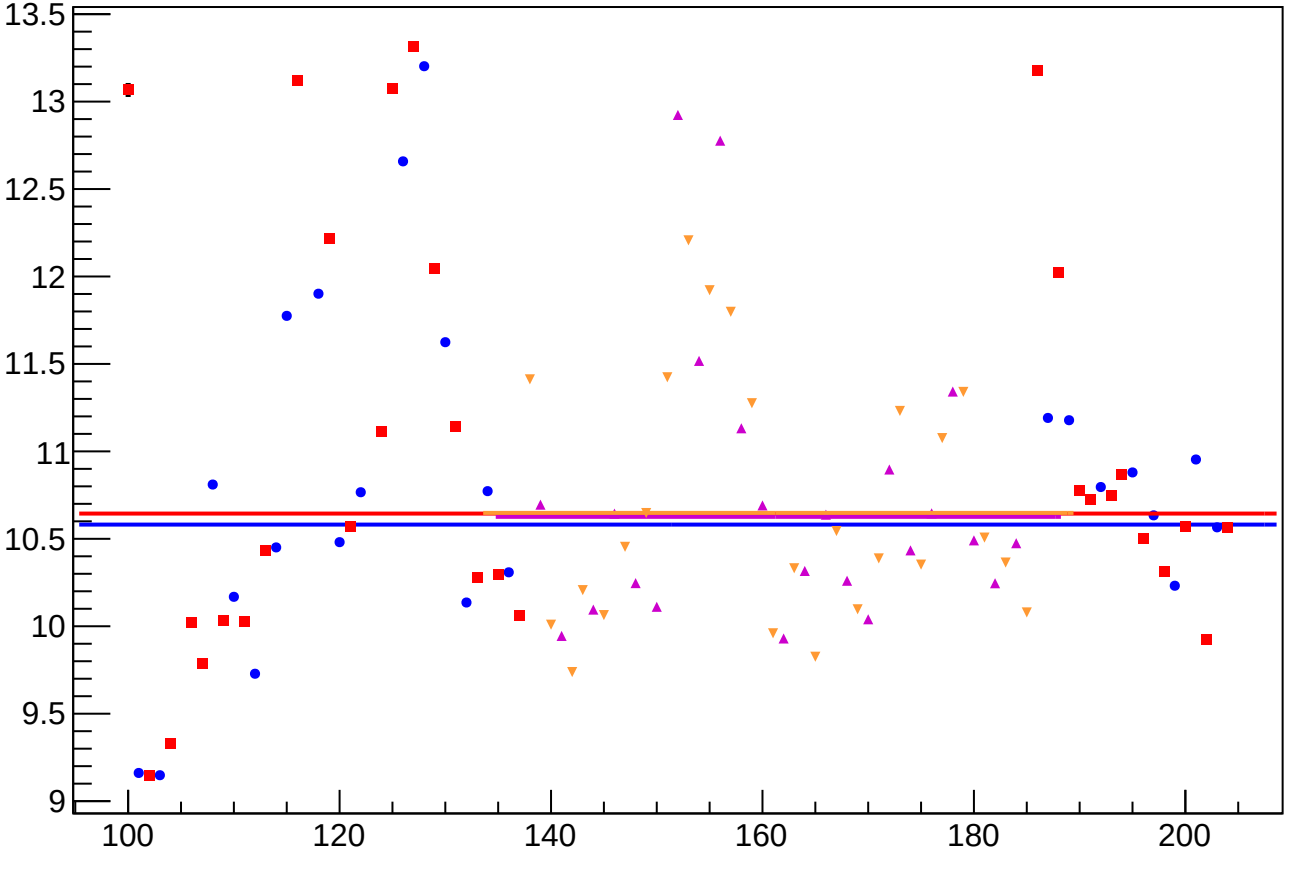
Right: 0.303+/-2.001 χ^2/NDF: 63.1/53

In: -2.857+/-1.906 χ^2/NDF:53.0/46

Out: 1.482+/-1.822 χ^2/NDF:66.9/54

All: -0.590+/-1.317 χ^2/NDF: 122.6/101

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug, Sign Corrected



Right In: 10.581+/-0.002 χ^2/NDF: 169042.9/23

Left Out: 10.648+/-0.002 χ^2/NDF:143535.9/24

Right Out: 10.644+/-0.002 χ^2/NDF: 256106.6/29

Left In: 10.626+/-0.002 χ^2/NDF:159543.1/22

Left: 10.637+/-0.001 χ^2/NDF: 303162.3/47

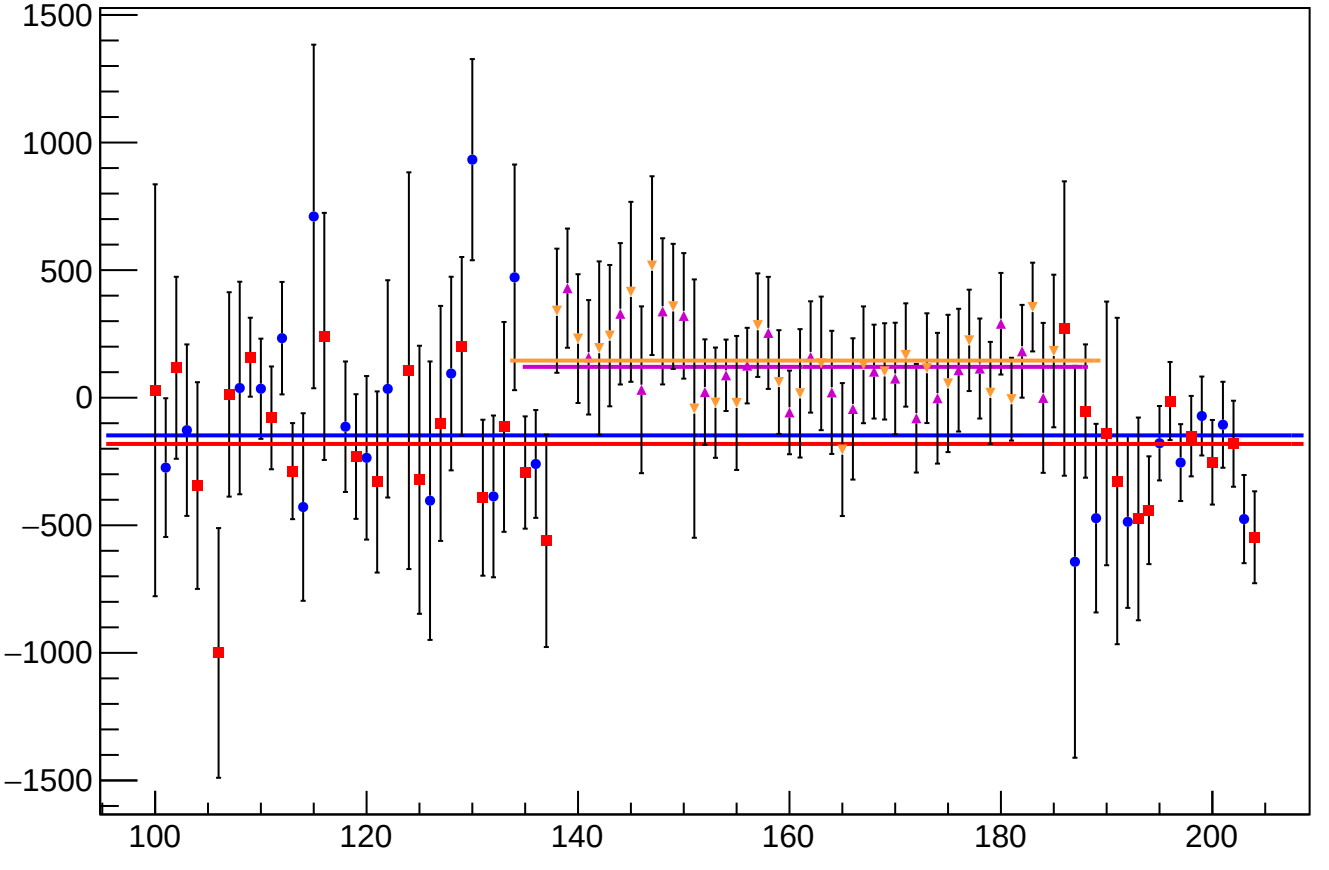
Right: 10.615+/-0.001 χ^2/NDF: 425643.0/53

In: 10.607+/-0.001 χ^2/NDF:328849.8/46

Out: 10.647+/-0.001 χ^2/NDF:399644.9/54

All: 10.628+/-0.001 χ^2/NDF: 728944.2/101

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: -147.686+/-50.738 χ^2/NDF: 24.4/23

Left Out: 145.545+/-46.613 χ^2/NDF:10.3/24

Right Out: -181.192+/-47.212 χ^2/NDF: 21.9/29

Left In: 120.888+/-43.994 χ^2/NDF:8.2/22

Left: 132.504+/-31.994 χ^2/NDF: 18.7/47

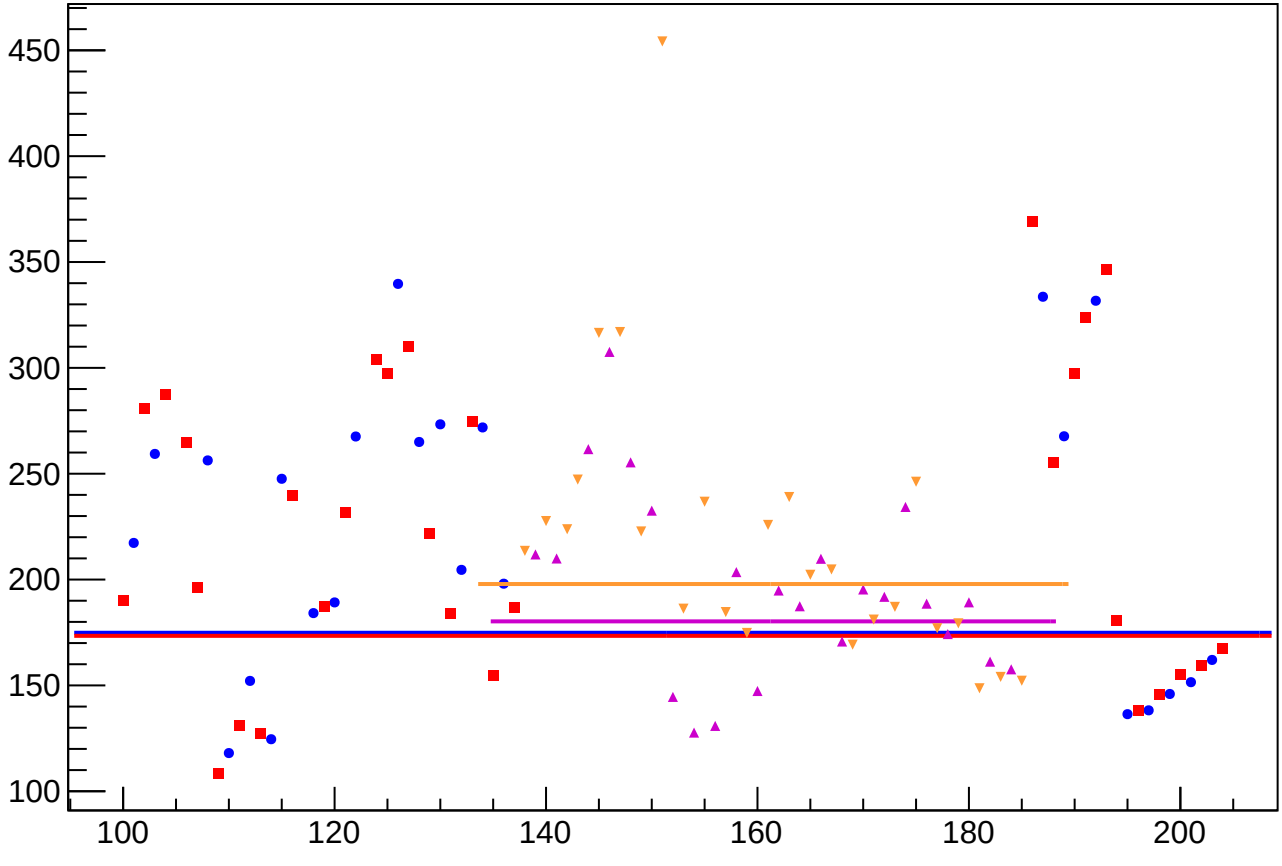
Right: -165.644+/-34.563 χ^2/NDF: 46.5/53

In: 5.622+/-33.239 χ^2/NDF:48.6/46

Out: -15.739+/-33.170 χ^2/NDF:56.4/54

All: -5.081+/-23.479 χ^2/NDF: 105.2/101

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 174.864+/-0.036 χ^2/NDF: 2181103.3/23

Left Out: 197.890+/-0.033 χ^2/NDF:1788849.3/24

Right Out: 173.416+/-0.033 χ^2/NDF: 2842915.5/29

Left In: 180.248+/-0.031 χ^2/NDF:1627777.0/22

Left: 188.560+/-0.023 χ^2/NDF: 3568150.7/47

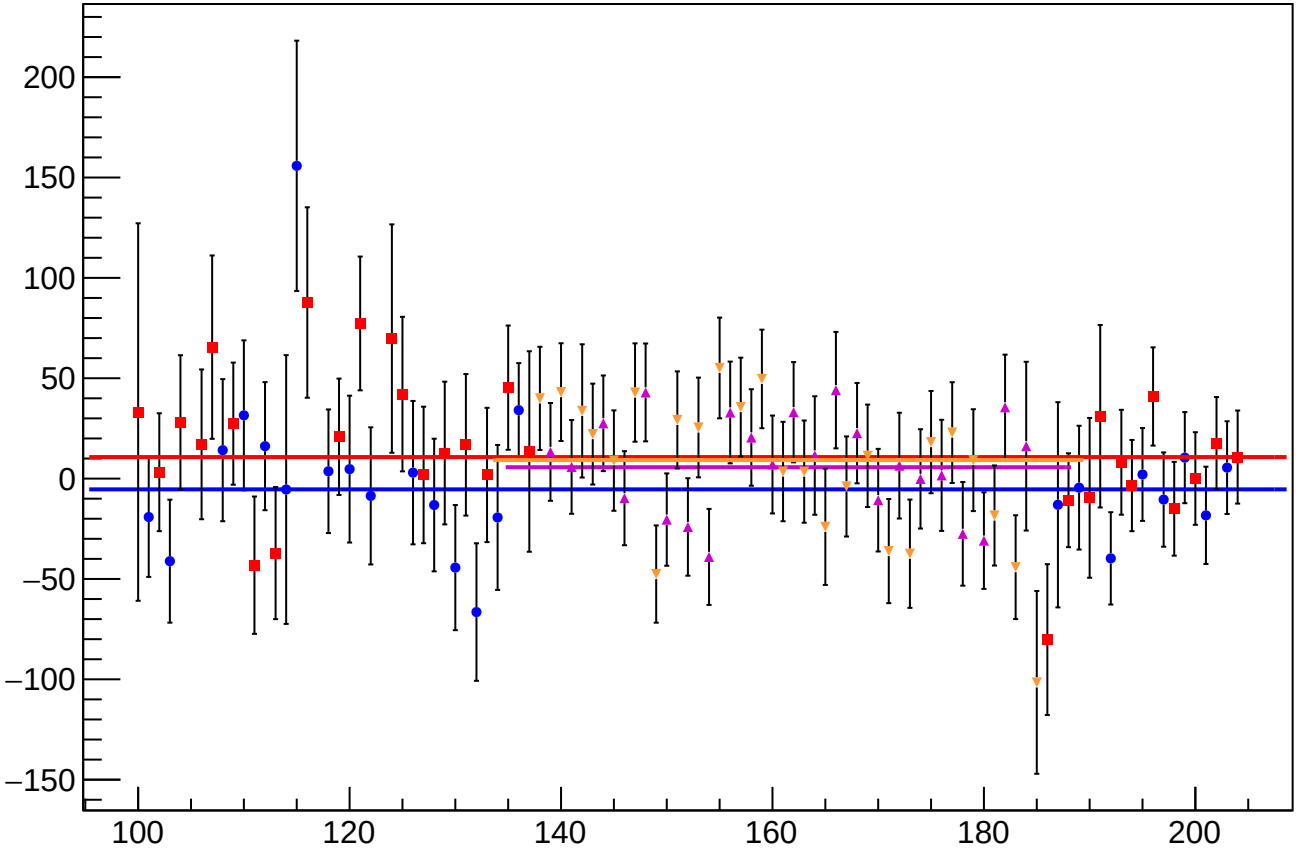
Right: 174.088+/-0.024 χ^2/NDF: 5024892.1/53

In: 177.937+/-0.024 χ^2/NDF:3821735.1/46

Out: 185.809+/-0.023 χ^2/NDF:4903930.0/54

All: 181.881+/-0.017 χ^2/NDF: 8781868.9/101

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -5.359+/-6.141 χ^2/NDF: 21.4/23

Left Out: 9.234+/-5.162 χ^2/NDF:39.4/24

Right Out: 10.728+/-5.703 χ^2/NDF: 27.3/29

Left In: 5.668+/-5.286 χ^2/NDF:20.8/22

Left: 7.493+/-3.693 χ^2/NDF: 60.5/47

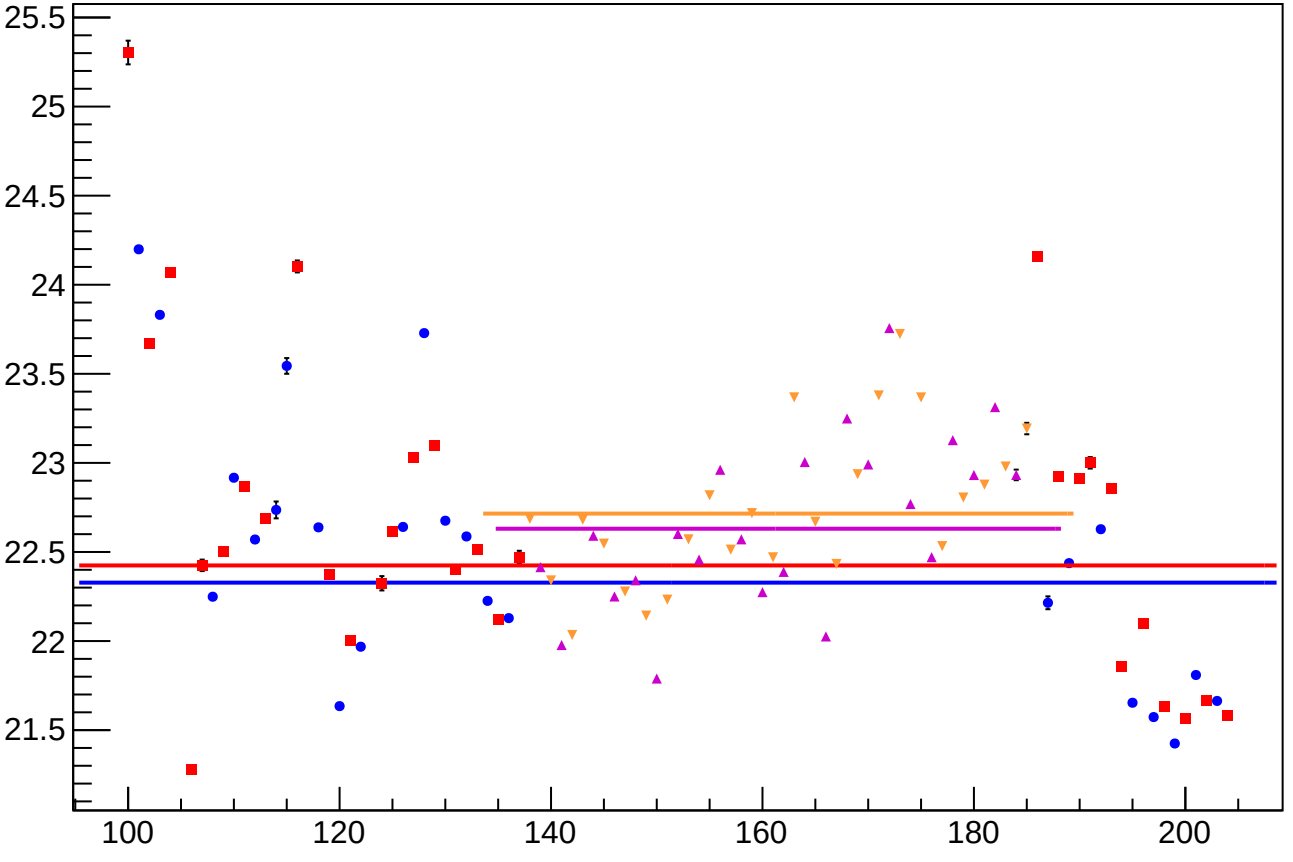
Right: 3.279+/-4.179 χ^2/NDF: 52.4/53

In: 0.975+/-4.006 χ^2/NDF:44.1/46

Out: 9.907+/-3.827 χ^2/NDF:66.8/54

All: 5.645+/-2.767 χ^2/NDF: 113.4/101

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 22.328+/-0.004 χ^2/NDF: 29423.1/23

Left Out: 22.715+/-0.004 χ^2/NDF:12181.4/24

Right Out: 22.424+/-0.004 χ^2/NDF: 34965.1/29

Left In: 22.631+/-0.004 χ^2/NDF:15391.4/22

Left: 22.674+/-0.003 χ^2/NDF: 27836.9/47

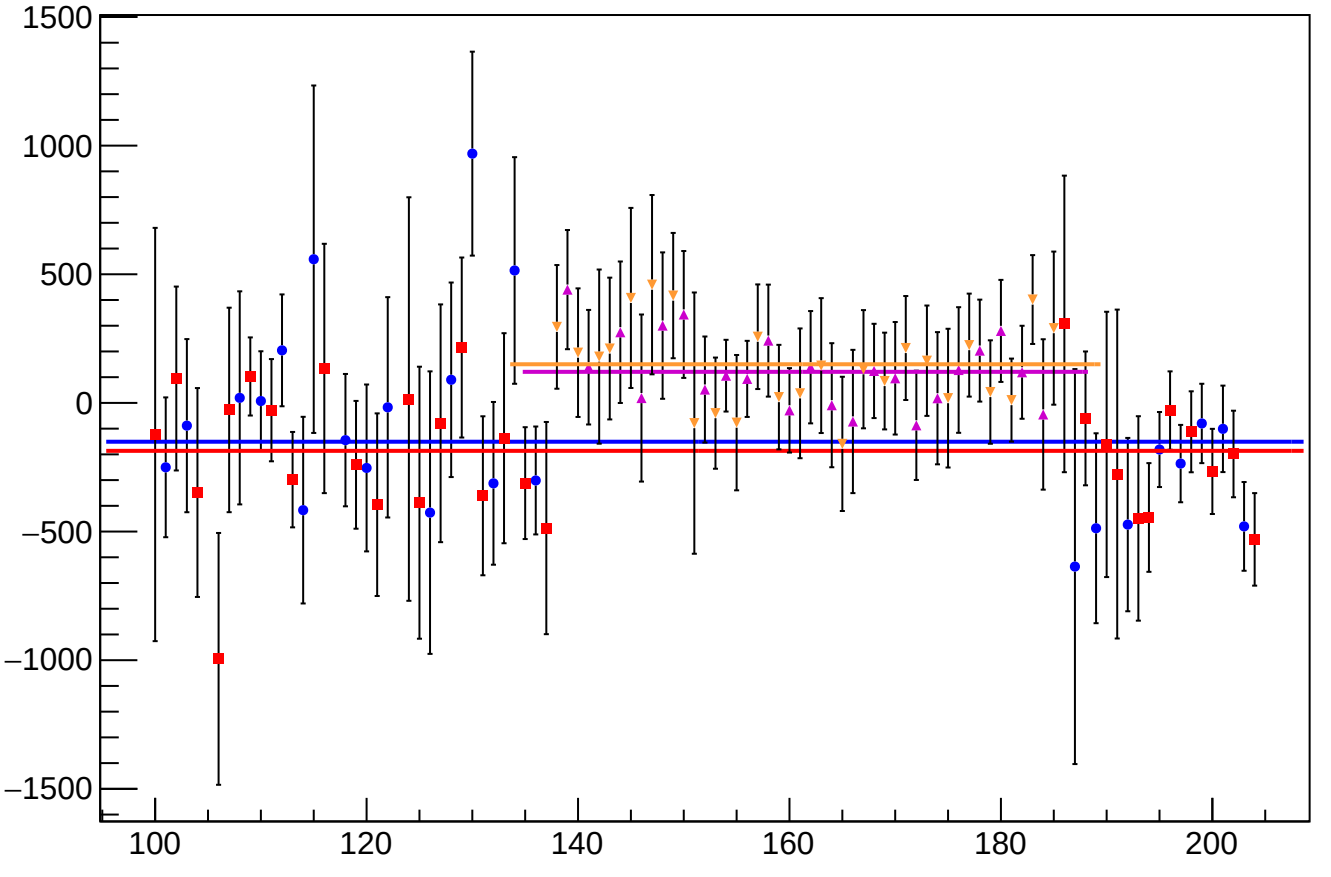
Right: 22.380+/-0.003 χ^2/NDF: 64653.5/53

In: 22.502+/-0.003 χ^2/NDF:47604.3/46

Out: 22.584+/-0.003 χ^2/NDF:50009.0/54

All: 22.545+/-0.002 χ^2/NDF: 98058.5/101

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: -150.855+/-50.587 χ^2/NDF: 23.7/23

Left Out: 150.218+/-46.535 χ^2/NDF:11.0/24

Right Out: -186.300+/-46.995 χ^2/NDF: 20.0/29

Left In: 120.760+/-43.920 χ^2/NDF:7.9/22

Left: 134.638+/-31.941 χ^2/NDF: 19.1/47

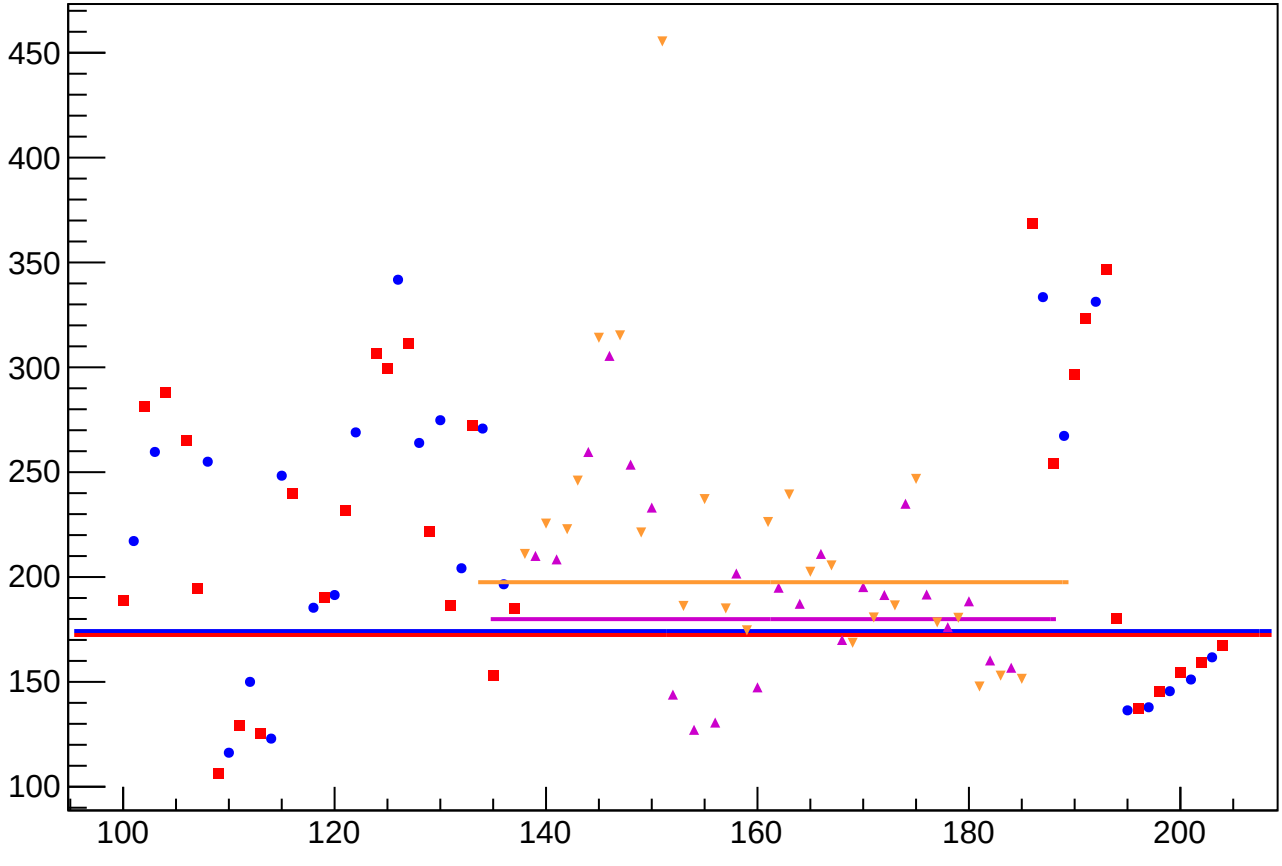
Right: -169.881+/-34.430 χ^2/NDF: 43.9/53

In: 4.020+/-33.165 χ^2/NDF:48.0/46

Out: -16.387+/-33.067 χ^2/NDF:56.9/54

All: -6.214+/-23.416 χ^2/NDF: 105.1/101

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 174.230+/-0.036 χ^2/NDF: 2211716.9/23

Left Out: 197.534+/-0.033 χ^2/NDF:1789891.0/24

Right Out: 172.374+/-0.033 χ^2/NDF: 2918180.1/29

Left In: 179.923+/-0.031 χ^2/NDF:1624144.3/22

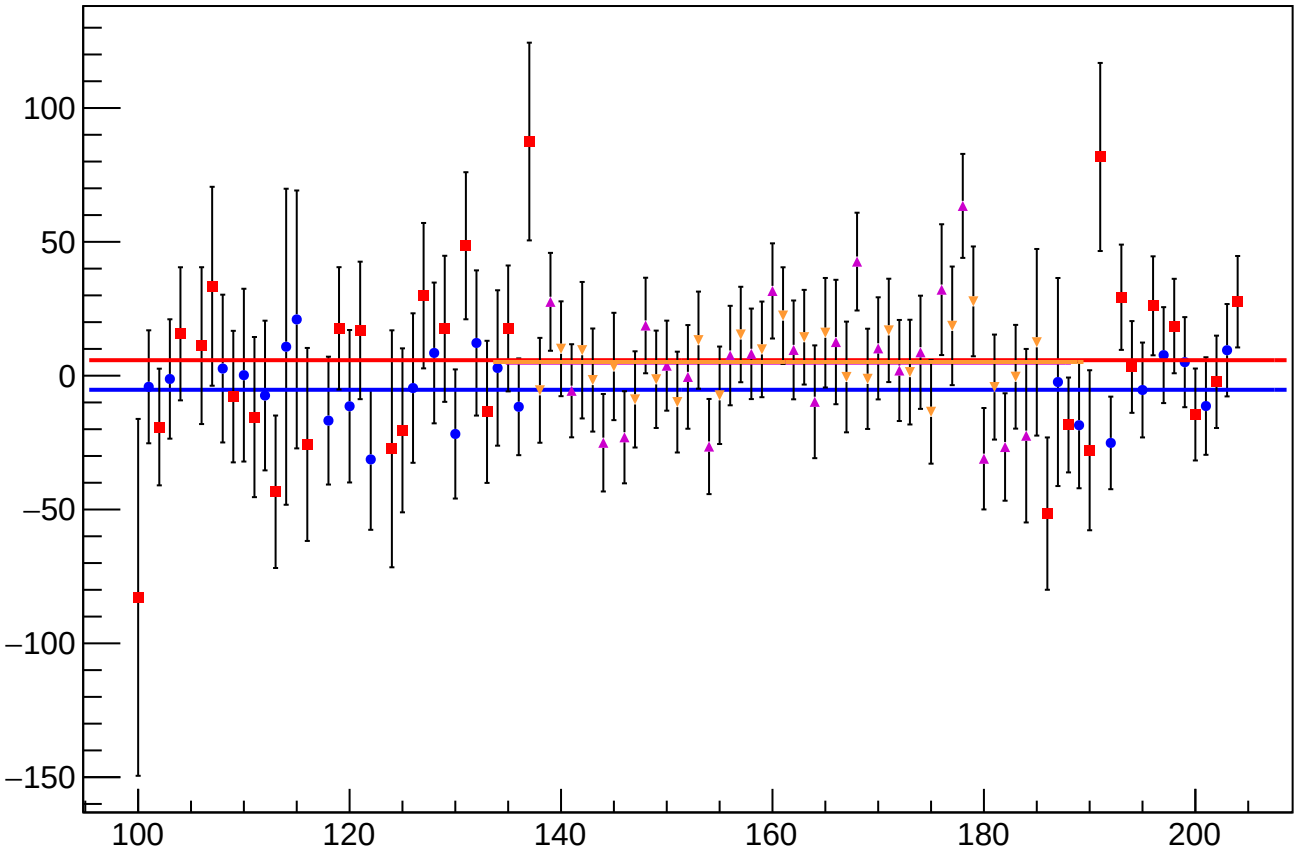
Left: 188.220+/-0.023 χ^2/NDF: 3565525.8/47

Right: 173.234+/-0.024 χ^2/NDF: 5131341.5/53

In: 177.476+/-0.023 χ^2/NDF:3850307.1/46

Out: 185.078+/-0.023 χ^2/NDF:4997517.1/54

All: 181.288+/-0.017 χ^2/NDF: 8900514.9/101



Right In: -5.269+/-4.713 χ^2/NDF: 6.5/23

Left Out: 5.119+/-3.890 χ^2/NDF:7.9/24

Right Out: 5.787+/-4.375 χ^2/NDF: 37.5/29

Left In: 4.858+/-3.980 χ^2/NDF:35.5/22

Left: 4.992+/-2.782 χ^2/NDF: 43.4/47

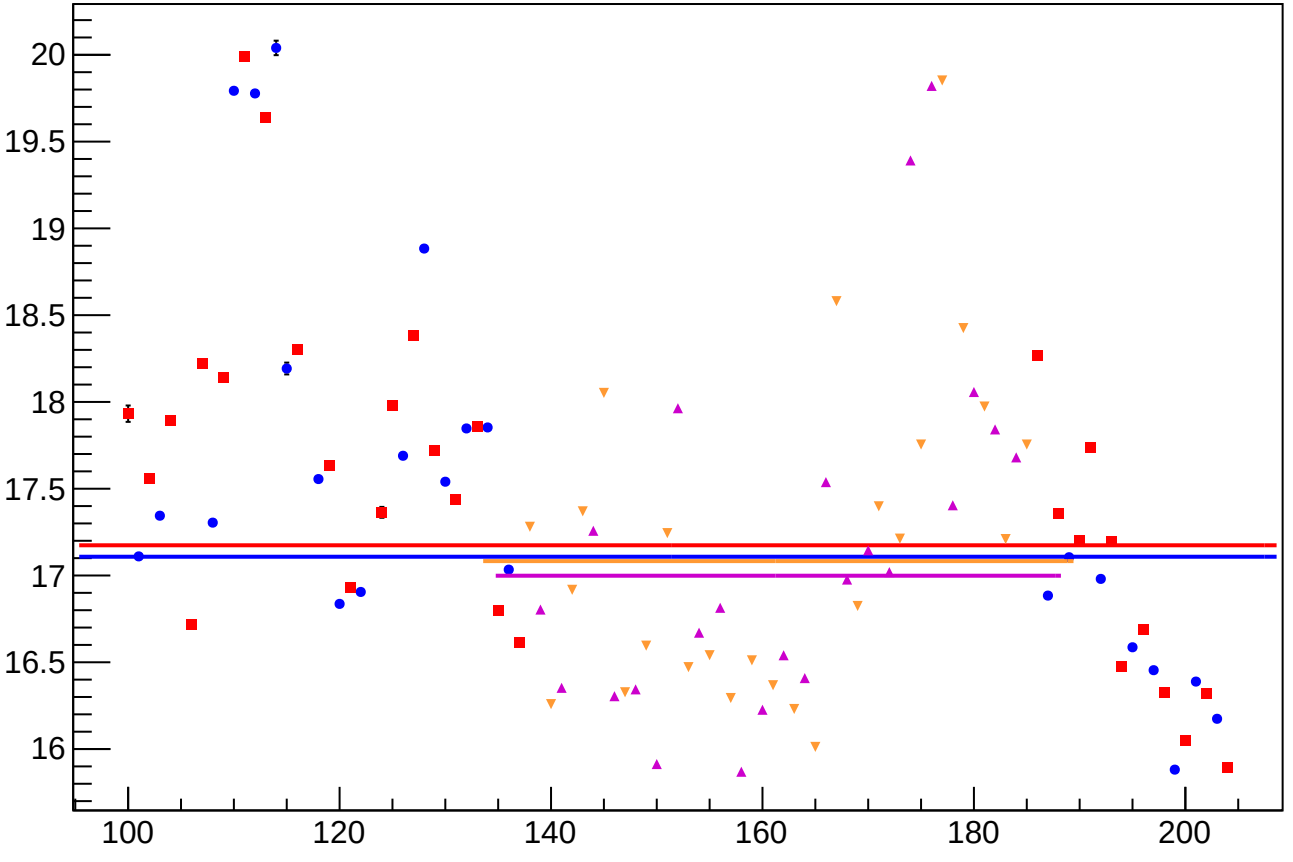
Right: 0.671+/-3.206 χ^2/NDF: 47.0/53

In: 0.642+/-3.041 χ^2/NDF:44.7/46

Out: 5.414+/-2.907 χ^2/NDF:45.4/54

All: 3.136+/-2.101 χ^2/NDF: 91.4/101

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 17.108+/-0.003 χ^2/NDF: 76971.1/23

Left Out: 17.083+/-0.003 χ^2/NDF:96774.9/24

Right Out: 17.174+/-0.003 χ^2/NDF: 89687.5/29

Left In: 16.999+/-0.003 χ^2/NDF:104021.0/22

Left: 17.042+/-0.002 χ^2/NDF: 201253.4/47

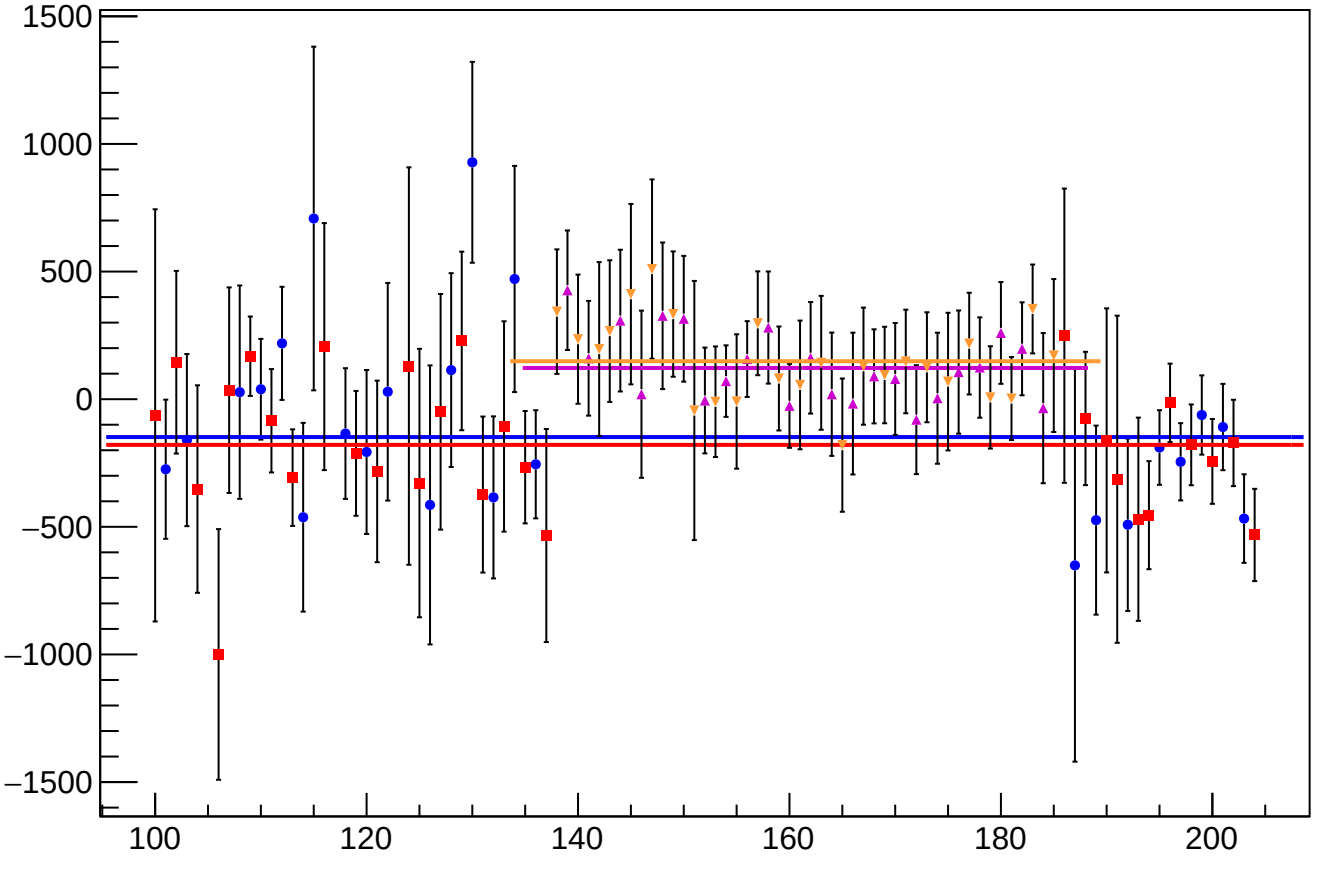
Right: 17.144+/-0.002 χ^2/NDF: 166869.0/53

In: 17.044+/-0.002 χ^2/NDF:181621.1/46

Out: 17.123+/-0.002 χ^2/NDF:186947.4/54

All: 17.085+/-0.001 χ^2/NDF: 369271.9/101

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs Slug, Sign Corrected



Right In: -148.374+/-50.899 χ^2/NDF: 24.0/23

Left Out: 148.758+/-46.714 χ^2/NDF:9.5/24

Right Out: -178.992+/-47.351 χ^2/NDF: 21.6/29

Left In: 122.376+/-44.081 χ^2/NDF:7.9/22

Left: 134.803+/-32.060 χ^2/NDF: 17.6/47

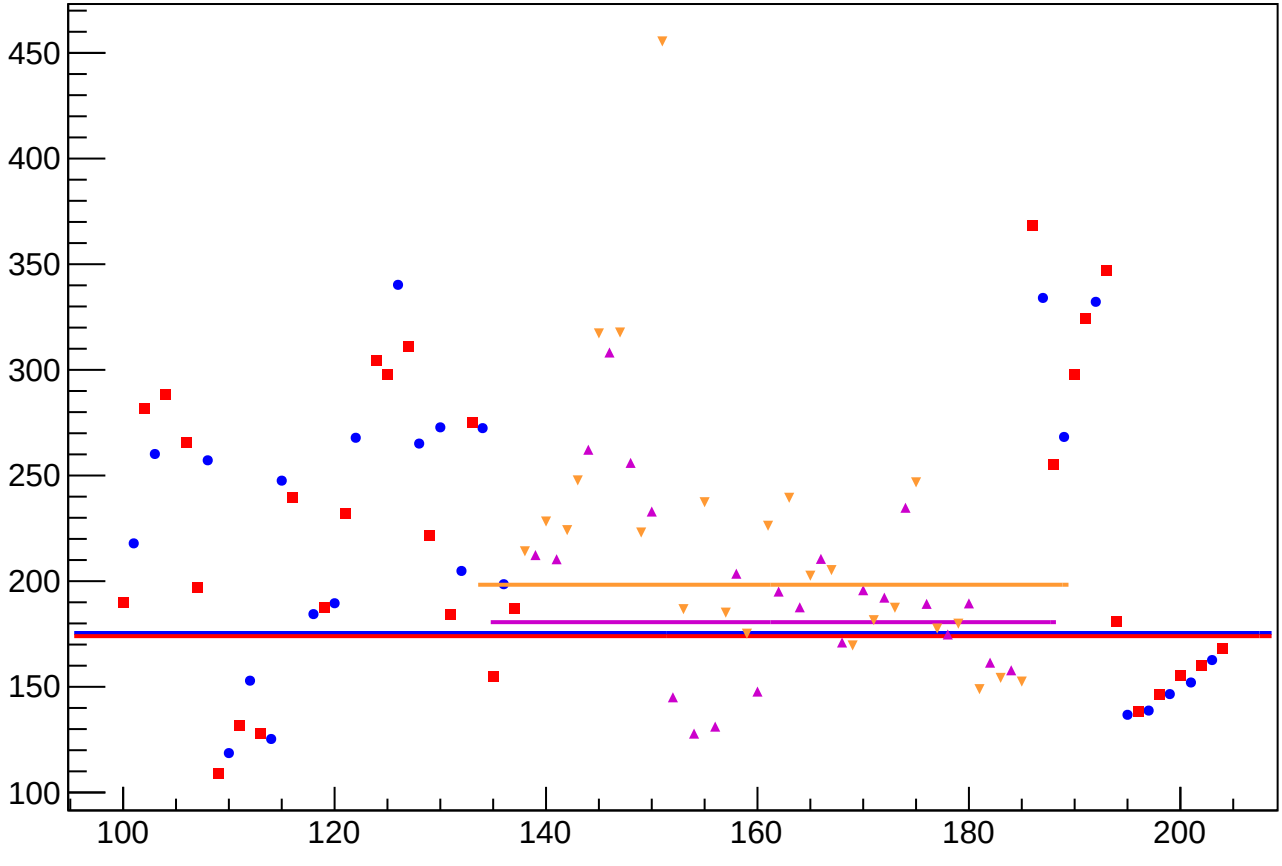
Right: -164.787+/-34.668 χ^2/NDF: 45.8/53

In: 6.336+/-33.322 χ^2/NDF:48.1/46

Out: -12.898+/-33.255 χ^2/NDF:55.4/54

All: -3.301+/-23.538 χ^2/NDF: 103.6/101

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 175.467+/-0.036 χ^2/NDF: 2167687.6/23

Left Out: 198.313+/-0.033 χ^2/NDF:1790279.4/24

Right Out: 173.980+/-0.033 χ^2/NDF: 2825354.1/29

Left In: 180.601+/-0.031 χ^2/NDF:1628072.3/22

Left: 188.944+/-0.023 χ^2/NDF: 3570441.0/47

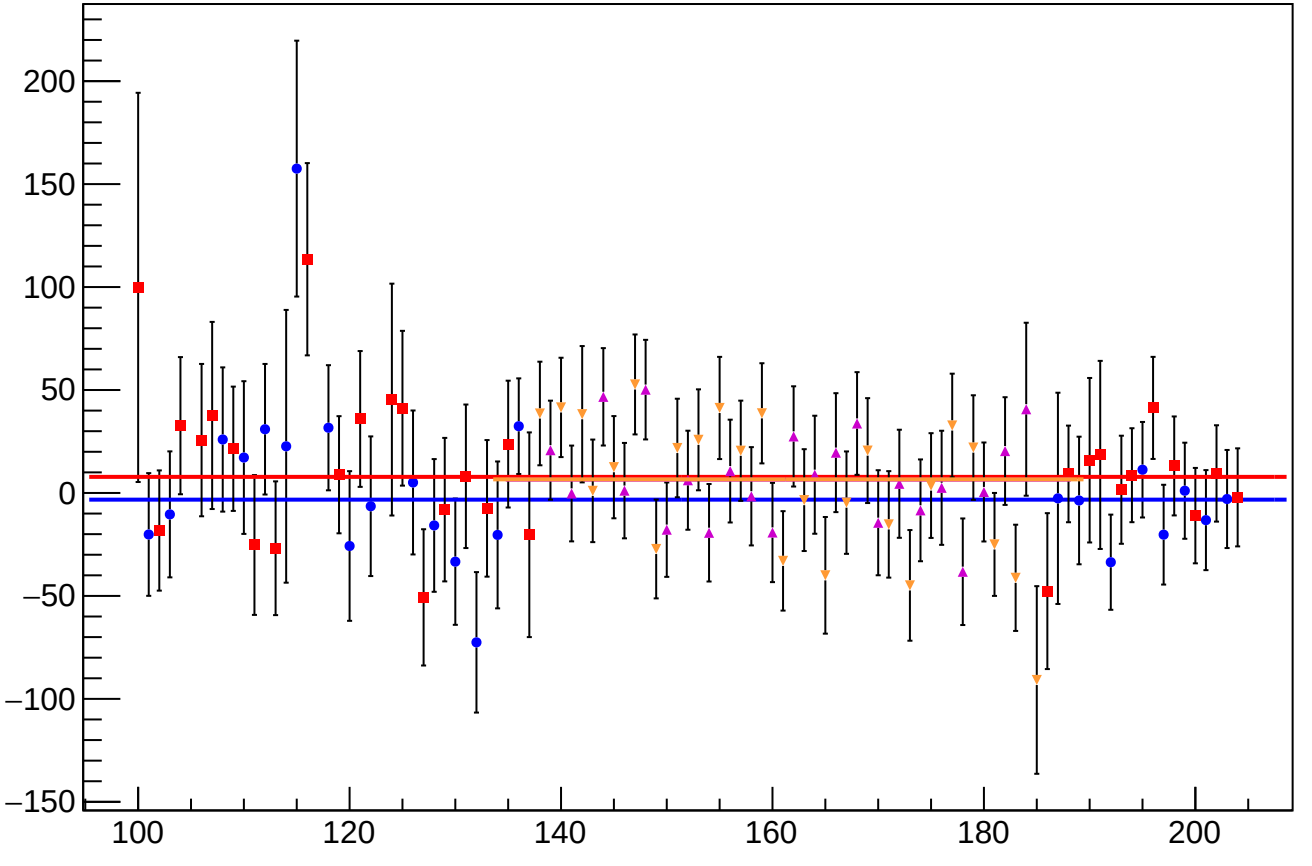
Right: 174.670+/-0.025 χ^2/NDF: 4993956.5/53

In: 178.401+/-0.024 χ^2/NDF:3807389.1/46

Out: 186.311+/-0.024 χ^2/NDF:4883289.7/54

All: 182.364+/-0.017 χ^2/NDF: 8747151.9/101

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



Right In: -3.245+/-6.152 χ^2/NDF: 21.8/23

Left Out: 6.611+/-5.117 χ^2/NDF:36.9/24

Right Out: 7.815+/-5.709 χ^2/NDF: 21.5/29

Left In: 6.482+/-5.247 χ^2/NDF:17.4/22

Left: 6.548+/-3.663 χ^2/NDF: 54.3/47

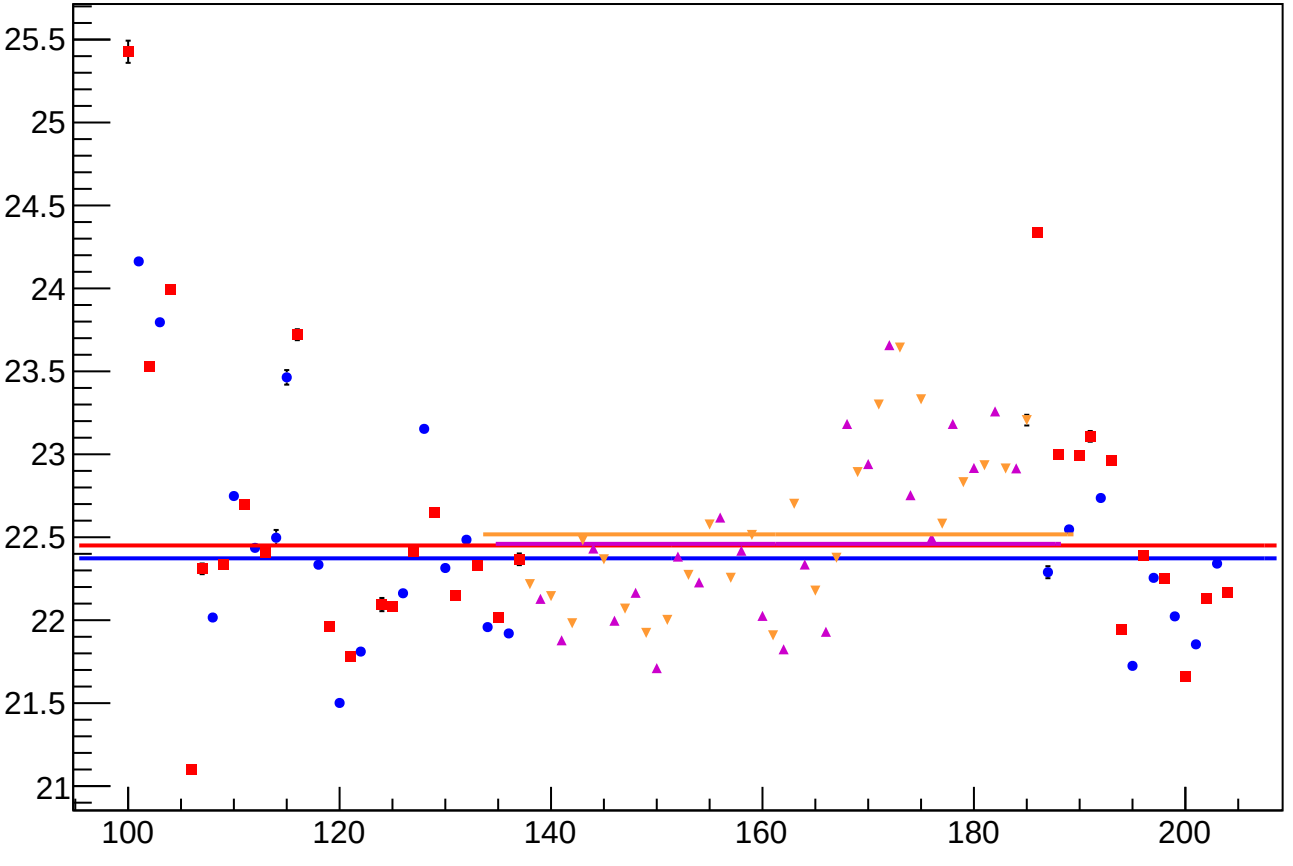
Right: 2.698+/-4.185 χ^2/NDF: 45.0/53

In: 2.386+/-3.992 χ^2/NDF:40.7/46

Out: 7.147+/-3.810 χ^2/NDF:58.4/54

All: 4.878+/-2.756 χ^2/NDF: 99.9/101

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 22.373+/-0.004 χ^2/NDF: 20132.5/23

Left Out: 22.517+/-0.004 χ^2/NDF:16002.5/24

Right Out: 22.450+/-0.004 χ^2/NDF: 27369.7/29

Left In: 22.460+/-0.004 χ^2/NDF:19117.2/22

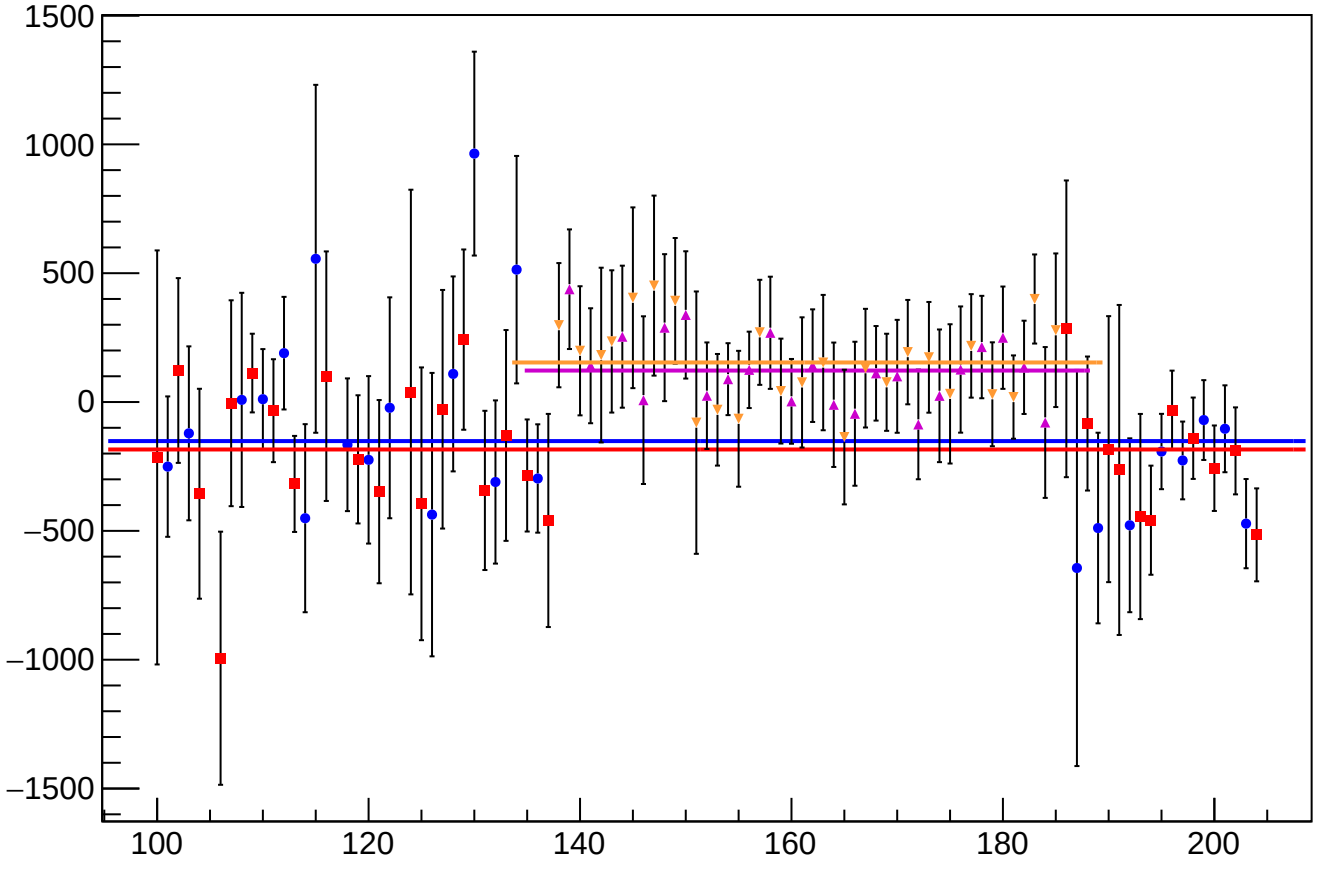
Left: 22.490+/-0.003 χ^2/NDF: 35241.4/47

Right: 22.415+/-0.003 χ^2/NDF: 47673.2/53

In: 22.423+/-0.003 χ^2/NDF:39483.0/46

Out: 22.488+/-0.003 χ^2/NDF:43524.5/54

All: 22.457+/-0.002 χ^2/NDF: 83277.8/101



Right In: -151.570+/-50.750 χ^2/NDF: 23.3/23

Left Out: 153.507+/-46.636 χ^2/NDF:10.1/24

Right Out: -184.131+/-47.135 χ^2/NDF: 19.6/29

Left In: 122.165+/-44.006 χ^2/NDF:7.5/22

Left: 136.928+/-32.006 χ^2/NDF: 17.8/47

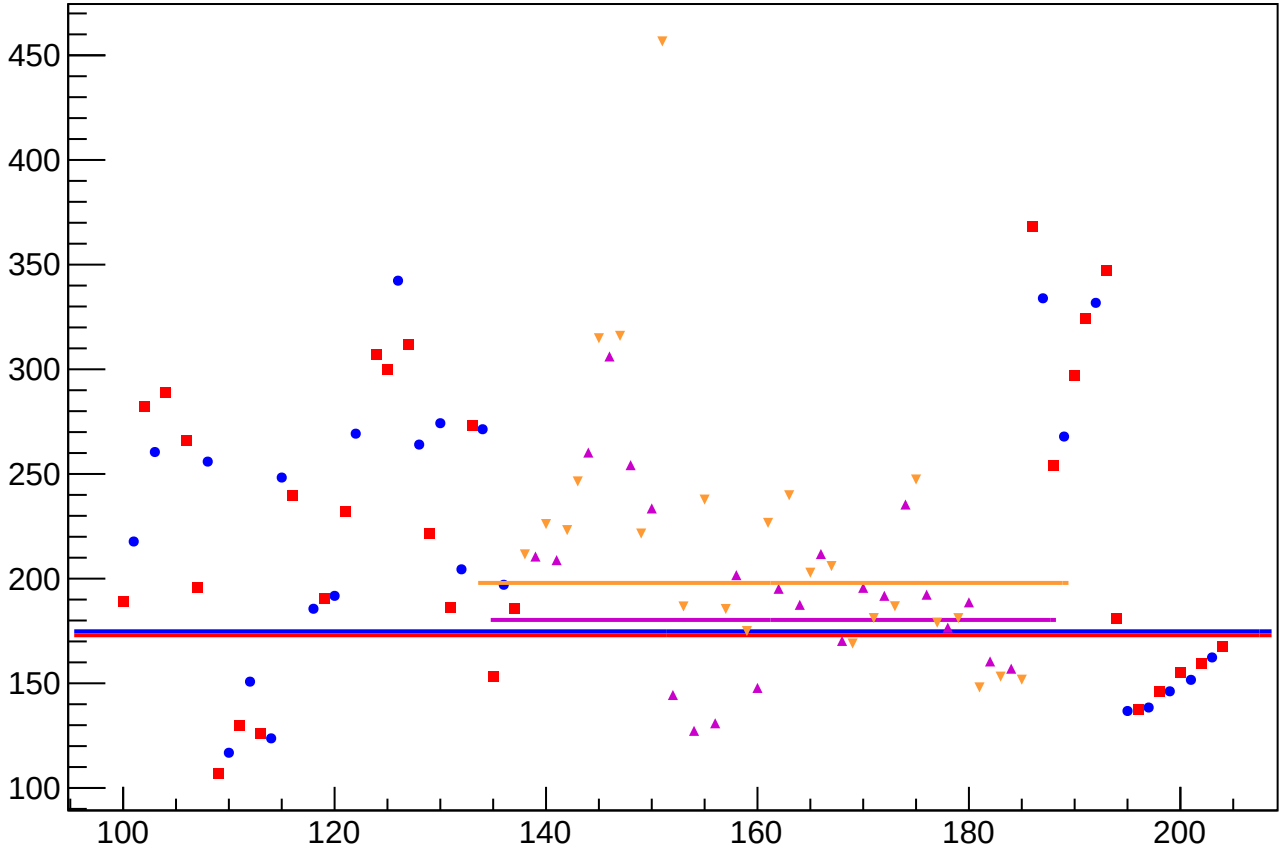
Right: -169.052+/-34.537 χ^2/NDF: 43.2/53

In: 4.681+/-33.248 χ^2/NDF:47.4/46

Out: -13.513+/-33.152 χ^2/NDF:55.6/54

All: -4.442+/-23.476 χ^2/NDF: 103.2/101

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 174.839+/-0.036 χ^2/NDF: 2197765.7/23

Left Out: 197.957+/-0.033 χ^2/NDF:1791354.6/24

Right Out: 172.947+/-0.033 χ^2/NDF: 2899707.4/29

Left In: 180.274+/-0.031 χ^2/NDF:1624682.7/22

Left: 188.603+/-0.023 χ^2/NDF: 3568141.6/47

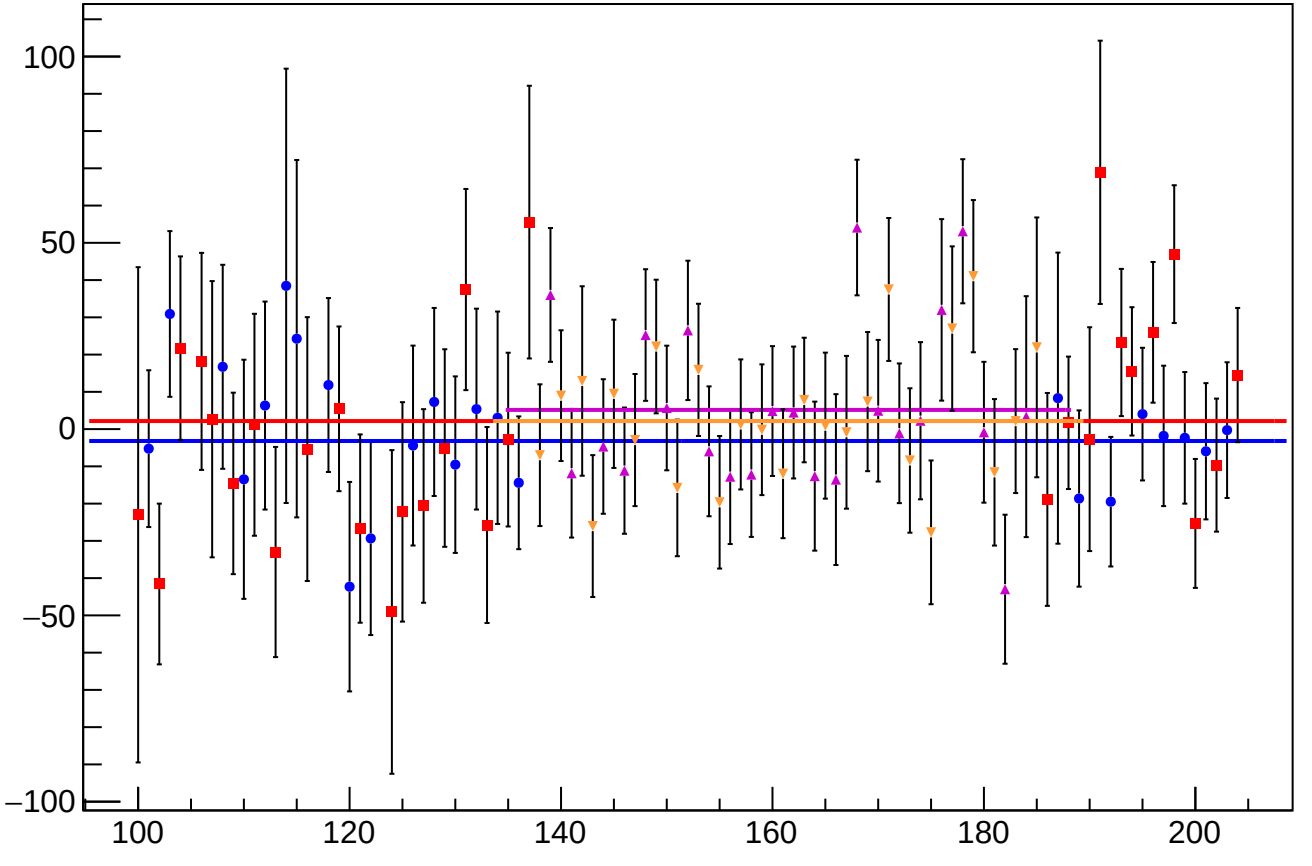
Right: 173.823+/-0.024 χ^2/NDF: 5098966.2/53

In: 177.942+/-0.024 χ^2/NDF:3835543.2/46

Out: 185.585+/-0.023 χ^2/NDF:4975609.5/54

All: 181.774+/-0.017 χ^2/NDF: 8864159.0/101

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



Right In: -3.191+/-4.735 χ^2/NDF: 9.7/23

Left Out: 2.174+/-3.825 χ^2/NDF:20.0/24

Right Out: 2.164+/-4.389 χ^2/NDF: 33.3/29

Left In: 5.150+/-3.924 χ^2/NDF:32.3/22

Left: 3.624+/-2.739 χ^2/NDF: 52.5/47

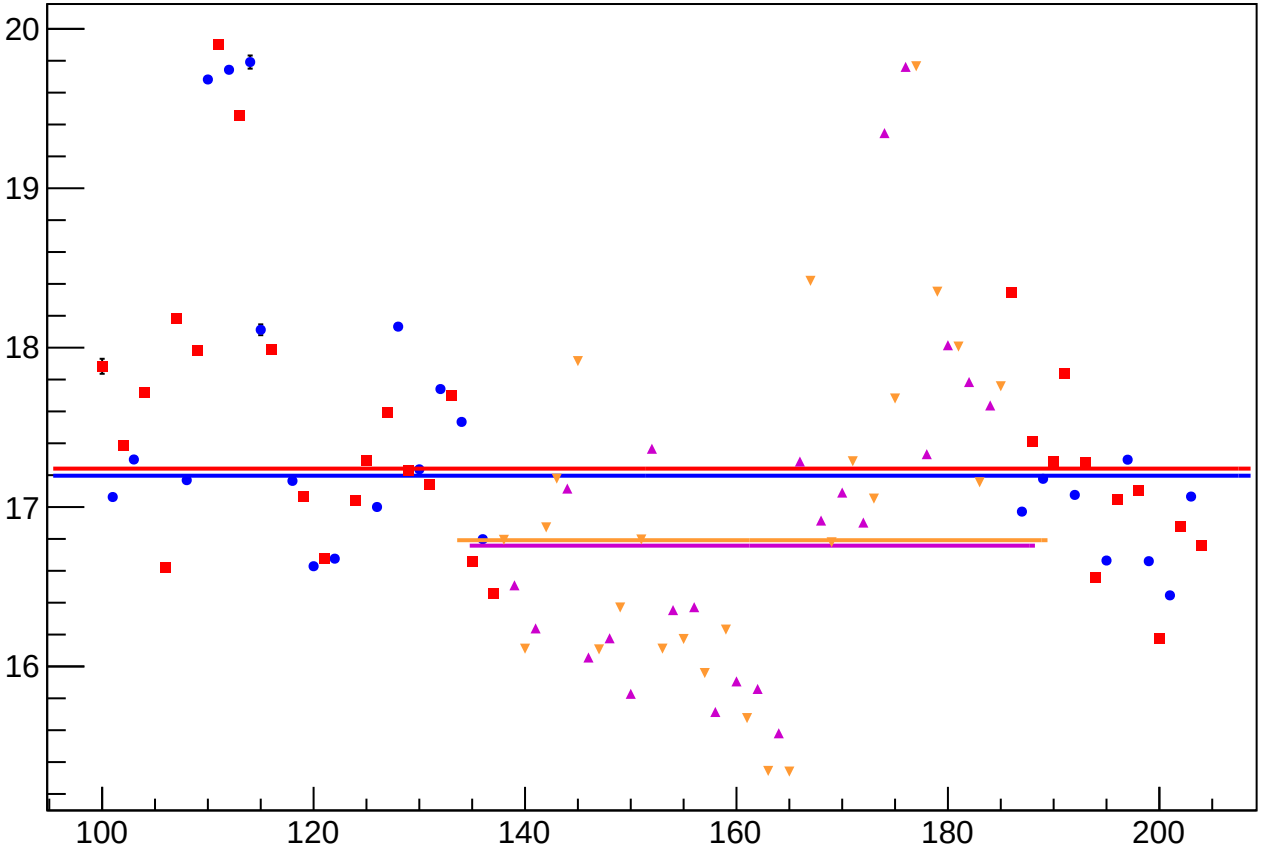
Right: -0.311+/-3.219 χ^2/NDF: 43.7/53

In: 1.754+/-3.021 χ^2/NDF:43.8/46

Out: 2.170+/-2.884 χ^2/NDF:53.3/54

All: 1.971+/-2.086 χ^2/NDF: 97.1/101

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 17.197+/-0.003 χ^2/NDF: 47363.8/23

Left Out: 16.792+/-0.003 χ^2/NDF:137000.5/24

Right Out: 17.241+/-0.003 χ^2/NDF: 55721.1/29

Left In: 16.758+/-0.003 χ^2/NDF:123306.8/22

Left: 16.775+/-0.002 χ^2/NDF: 260385.1/47

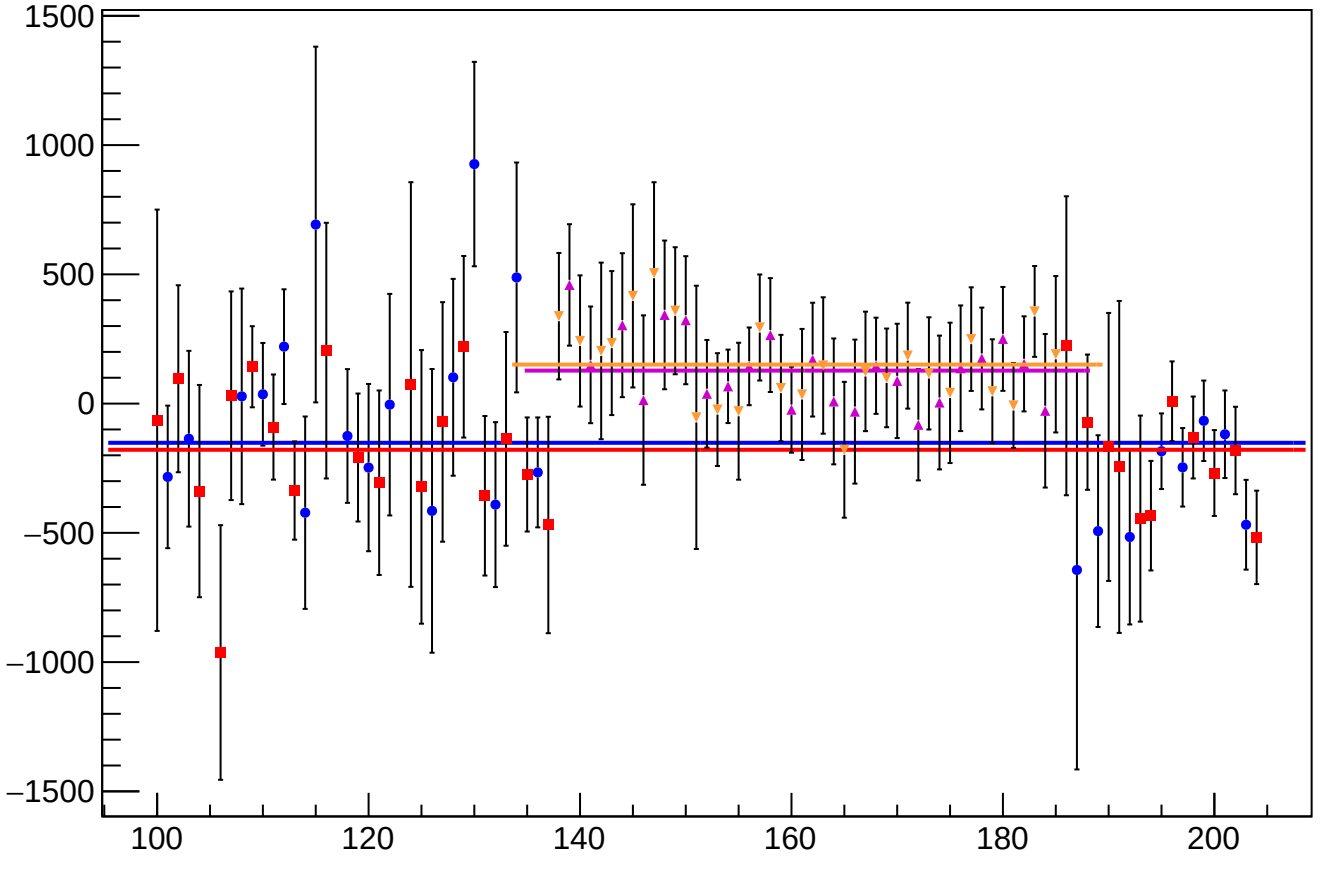
Right: 17.221+/-0.002 χ^2/NDF: 103180.0/53

In: 16.936+/-0.002 χ^2/NDF:180856.4/46

Out: 16.986+/-0.002 χ^2/NDF:204627.8/54

All: 16.962+/-0.001 χ^2/NDF: 385763.8/101

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: -151.619+/-51.085 χ^2/NDF: 23.9/23

Left Out: 150.884+/-47.035 χ^2/NDF:10.0/24

Right Out: -178.655+/-47.527 χ^2/NDF: 19.8/29

Left In: 127.710+/-44.426 χ^2/NDF:7.8/22

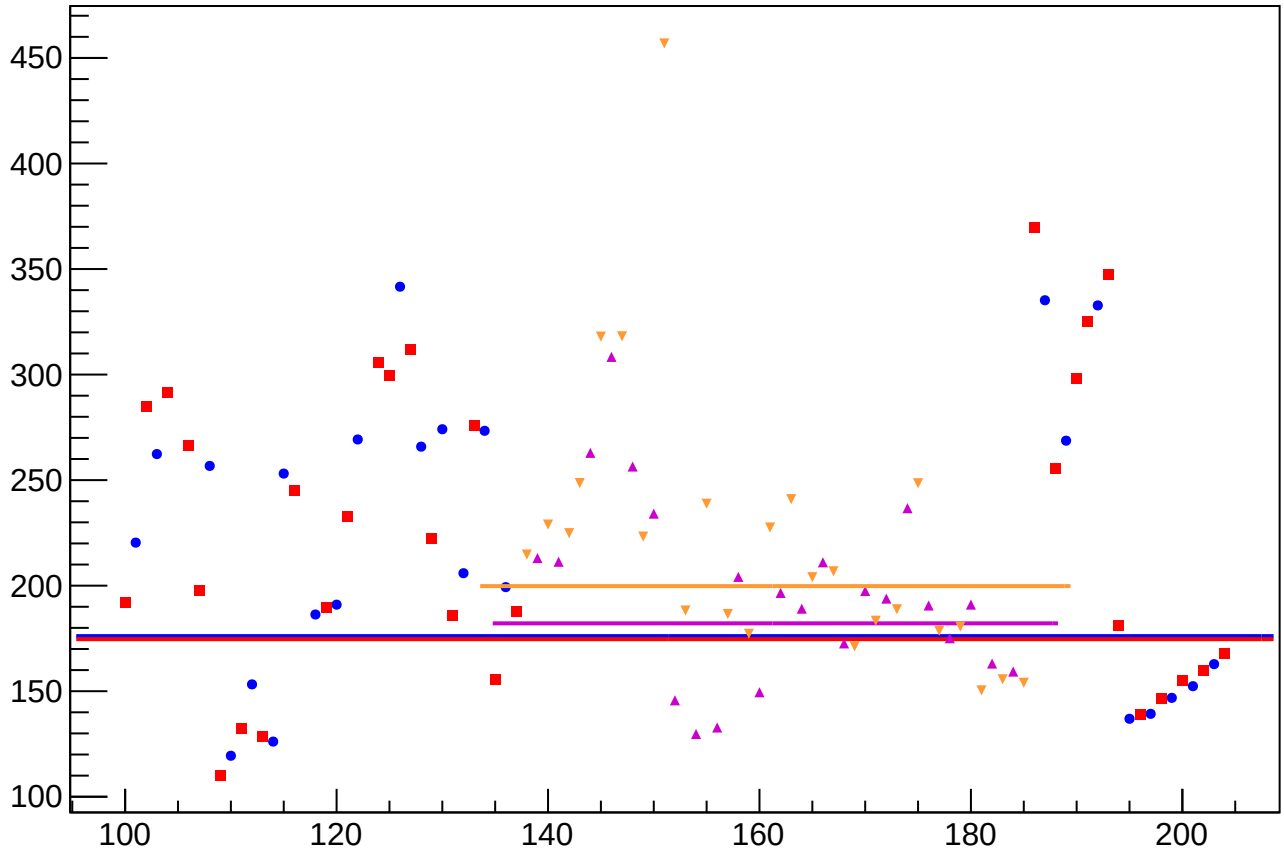
Left: 138.637+/-32.297 χ^2/NDF: 17.9/47

Right: -166.111+/-34.796 χ^2/NDF: 43.9/53

In: 7.425+/-33.523 χ^2/NDF:48.8/46

Out: -12.171+/-33.431 χ^2/NDF:54.1/54

All: -2.400+/-23.672 χ^2/NDF: 103.0/101



Right In: 176.092+/-0.036 χ^2/NDF: 2176141.6/23

Left Out: 199.785+/-0.033 χ^2/NDF:1760326.2/24

Right Out: 174.653+/-0.034 χ^2/NDF: 2827521.3/29

Left In: 182.150+/-0.031 χ^2/NDF:1584358.1/22

Left: 190.465+/-0.023 χ^2/NDF: 3493266.0/47

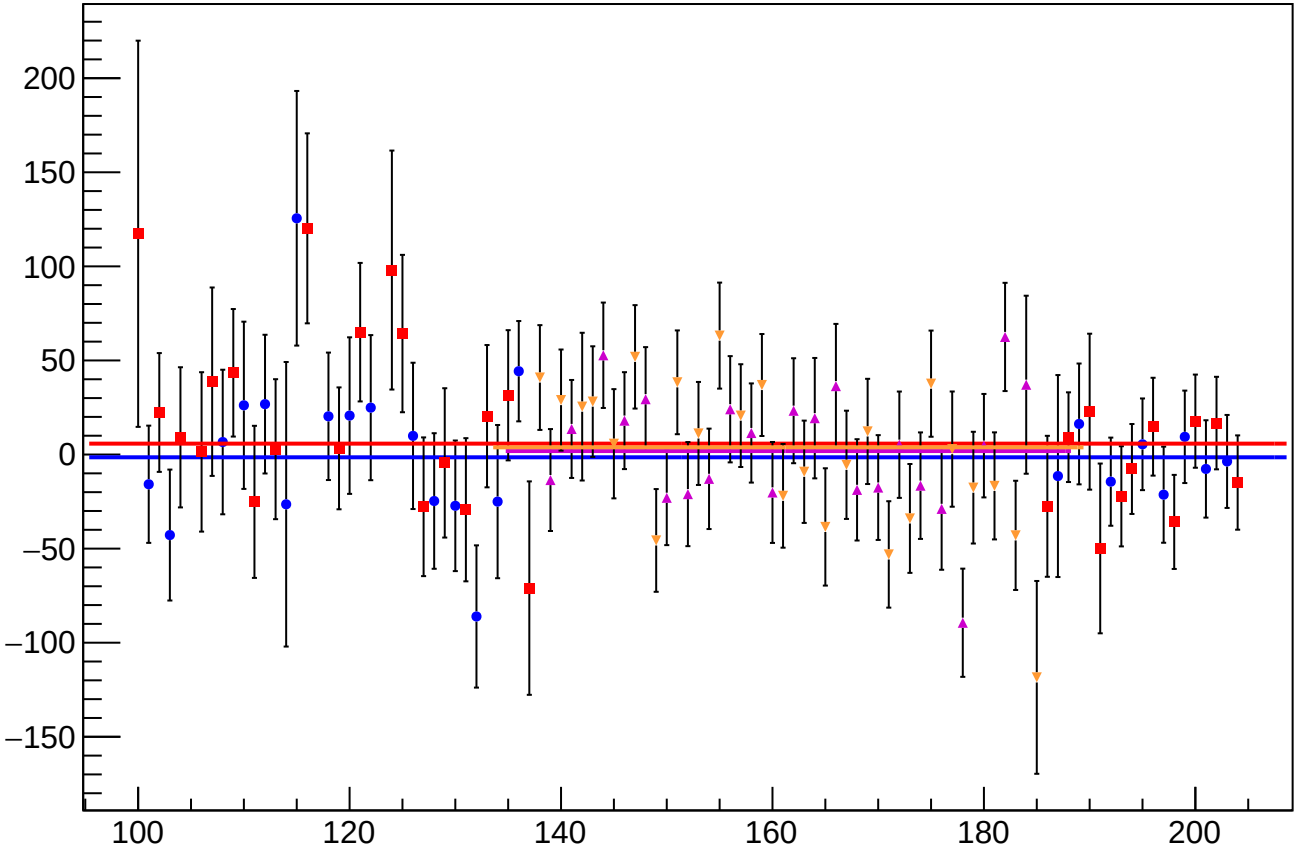
Right: 175.321+/-0.025 χ^2/NDF: 5004513.0/53

In: 179.541+/-0.024 χ^2/NDF:3776514.7/46

Out: 187.350+/-0.024 χ^2/NDF:4870365.8/54

All: 183.456+/-0.017 χ^2/NDF: 8701285.3/101

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -1.469+/-6.680 χ^2/NDF: 18.4/23

Left Out: 3.831+/-5.789 χ^2/NDF:37.6/24

Right Out: 5.791+/-6.148 χ^2/NDF: 27.7/29

Left In: 1.850+/-5.893 χ^2/NDF:28.1/22

Left: 2.858+/-4.130 χ^2/NDF: 65.7/47

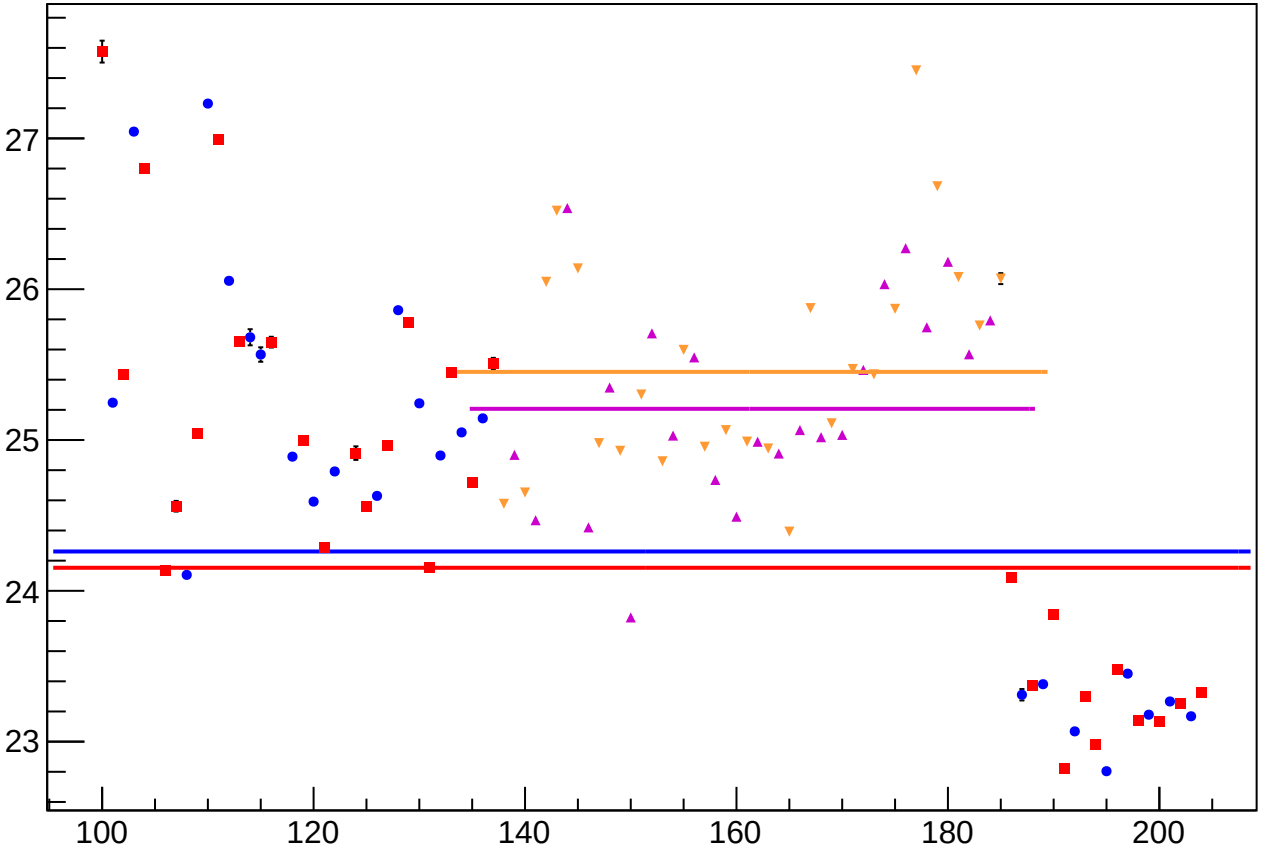
Right: 2.462+/-4.523 χ^2/NDF: 46.8/53

In: 0.397+/-4.419 χ^2/NDF:46.6/46

Out: 4.752+/-4.214 χ^2/NDF:65.4/54

All: 2.678+/-3.050 χ^2/NDF: 112.5/101

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 24.261+/-0.005 χ^2/NDF: 67639.6/23

Left Out: 25.452+/-0.004 χ^2/NDF:29612.4/24

Right Out: 24.153+/-0.004 χ^2/NDF: 65967.3/29

Left In: 25.207+/-0.004 χ^2/NDF:25827.4/22

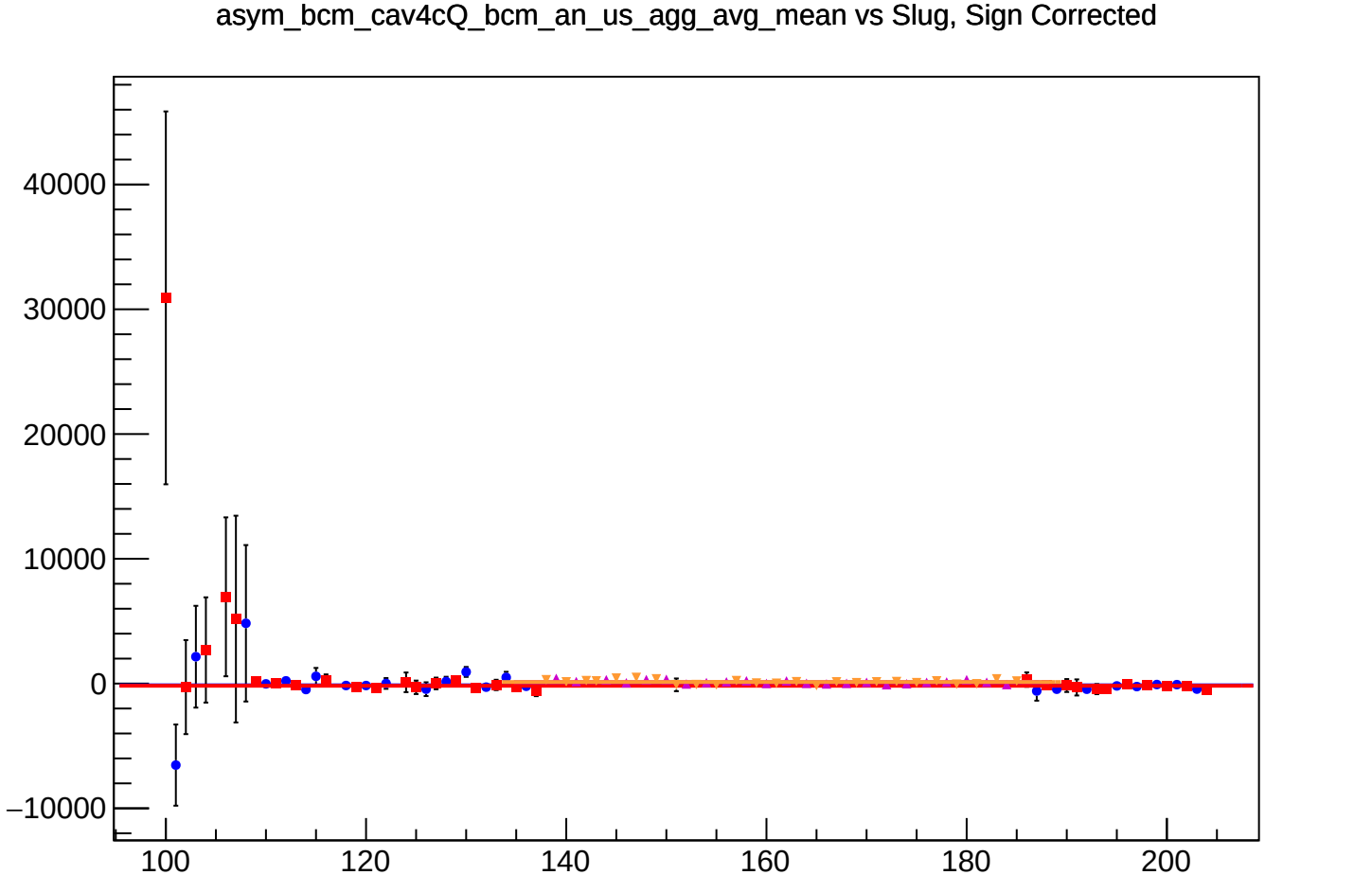
Left: 25.332+/-0.003 χ^2/NDF: 57199.0/47

Right: 24.202+/-0.003 χ^2/NDF: 133889.8/53

In: 24.793+/-0.003 χ^2/NDF:116024.0/46

Out: 24.841+/-0.003 χ^2/NDF:142906.5/54

All: 24.818+/-0.002 χ^2/NDF: 259057.1/101



Right In: -139.585+/-53.924 χ^2/NDF: 26.0/23

Left Out: 125.161+/-46.925 χ^2/NDF:11.1/24

Right Out: -177.037+/-50.725 χ^2/NDF: 21.6/29

Left In: 117.291+/-44.871 χ^2/NDF:8.0/22

Left: 121.050+/-32.431 χ^2/NDF: 19.1/47

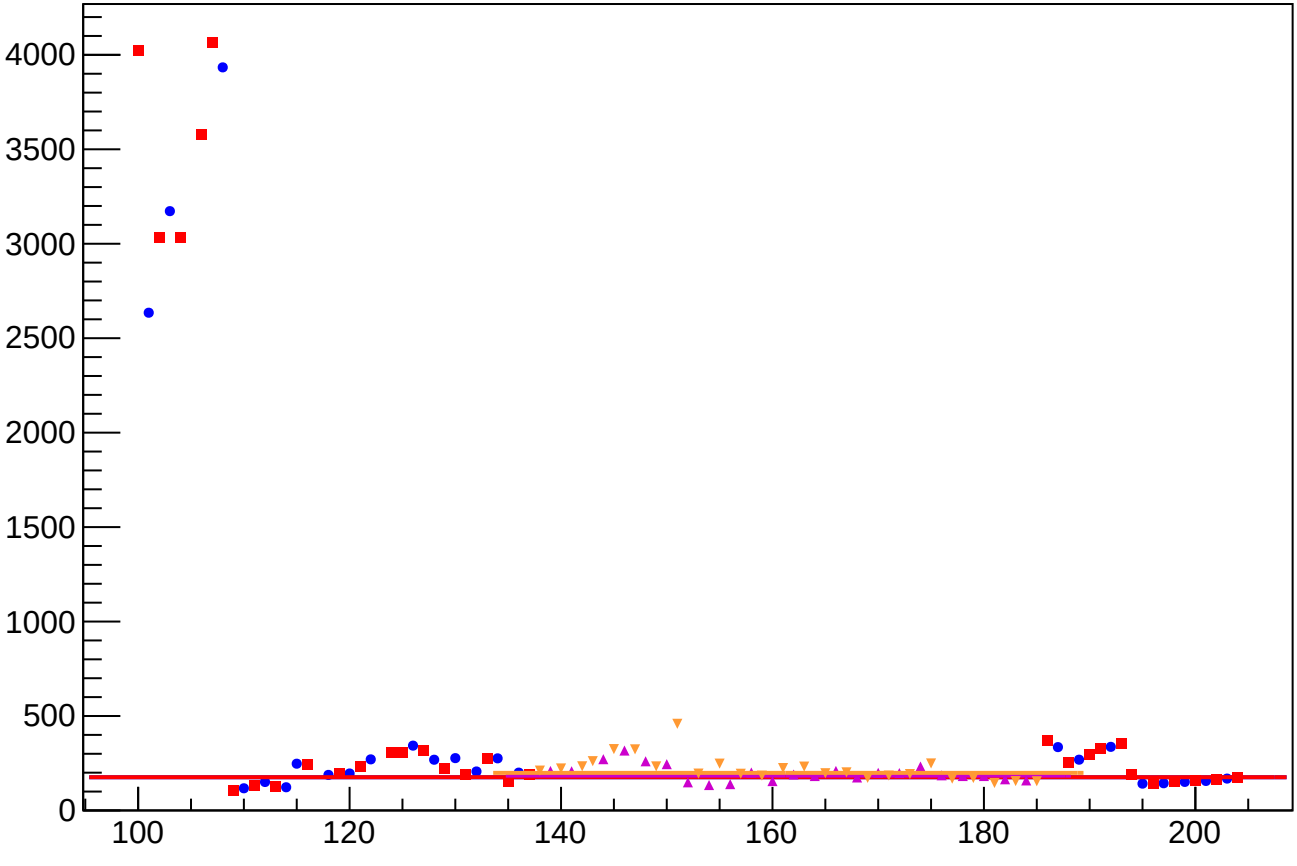
Right: -159.455+/-36.947 χ^2/NDF: 47.9/53

In: 12.195+/-34.492 χ^2/NDF:47.4/46

Out: -14.197+/-34.446 χ^2/NDF:51.8/54

All: -1.018+/-24.373 χ^2/NDF: 99.5/101

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 175.650+/-0.038 χ^2/NDF: 4802403.8/23

Left Out: 198.994+/-0.033 χ^2/NDF:1902155.1/24

Right Out: 175.976+/-0.036 χ^2/NDF: 5482377.7/29

Left In: 184.399+/-0.032 χ^2/NDF:1446306.0/22

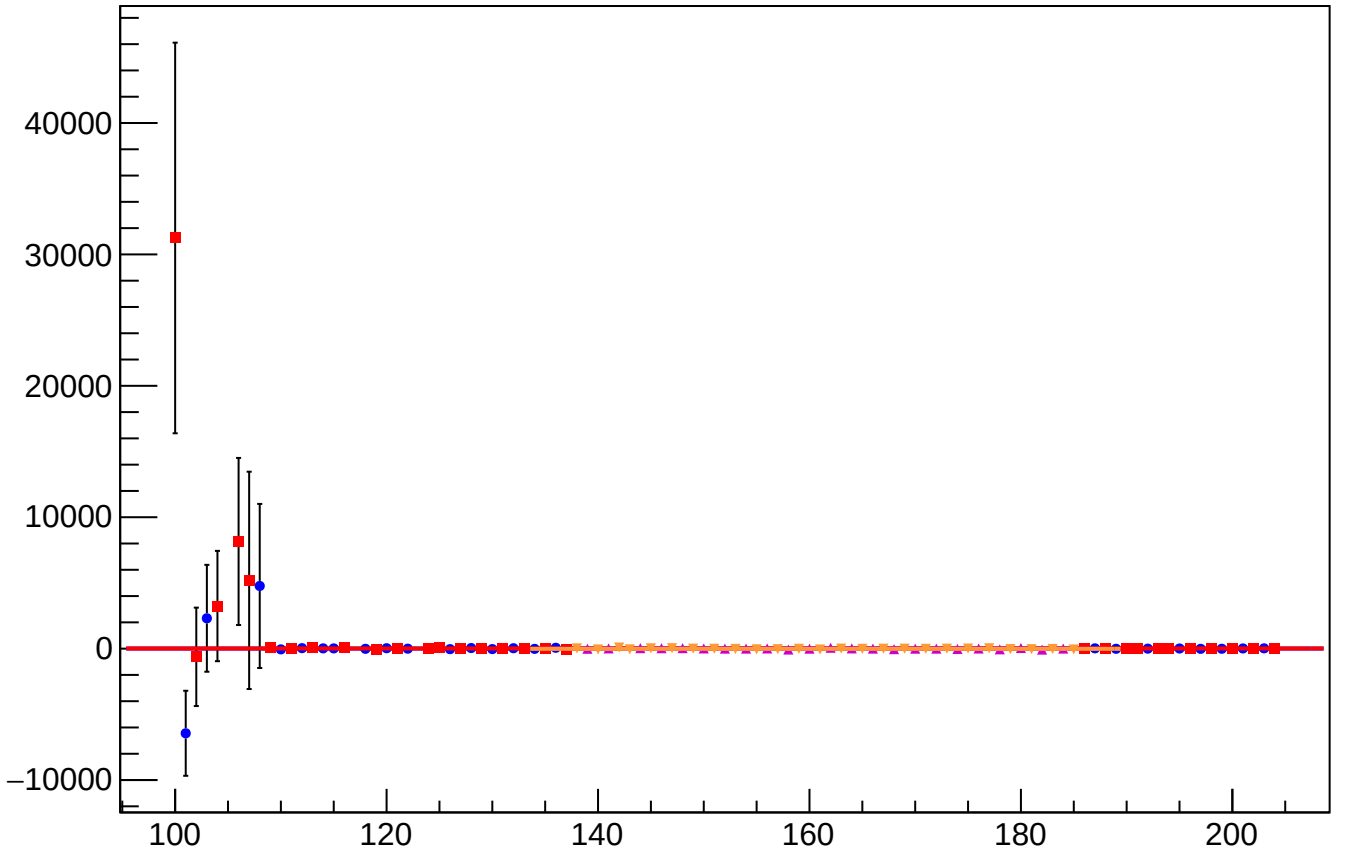
Left: 191.370+/-0.023 χ^2/NDF: 3449526.4/47

Right: 175.823+/-0.026 χ^2/NDF: 10284820.4/53

In: 180.819+/-0.024 χ^2/NDF:6279815.8/46

Out: 188.379+/-0.024 χ^2/NDF:7606437.1/54

All: 184.604+/-0.017 χ^2/NDF: 13934358.4/10



Right In: 5.749+/-8.097 χ^2/NDF: 17.7/23

Left Out: -14.827+/-6.512 χ^2/NDF:22.2/24

Right Out: 12.572+/-7.531 χ^2/NDF: 29.4/29

Left In: 2.172+/-6.703 χ^2/NDF:28.3/22

Left: -6.574+/-4.671 χ^2/NDF: 53.9/47

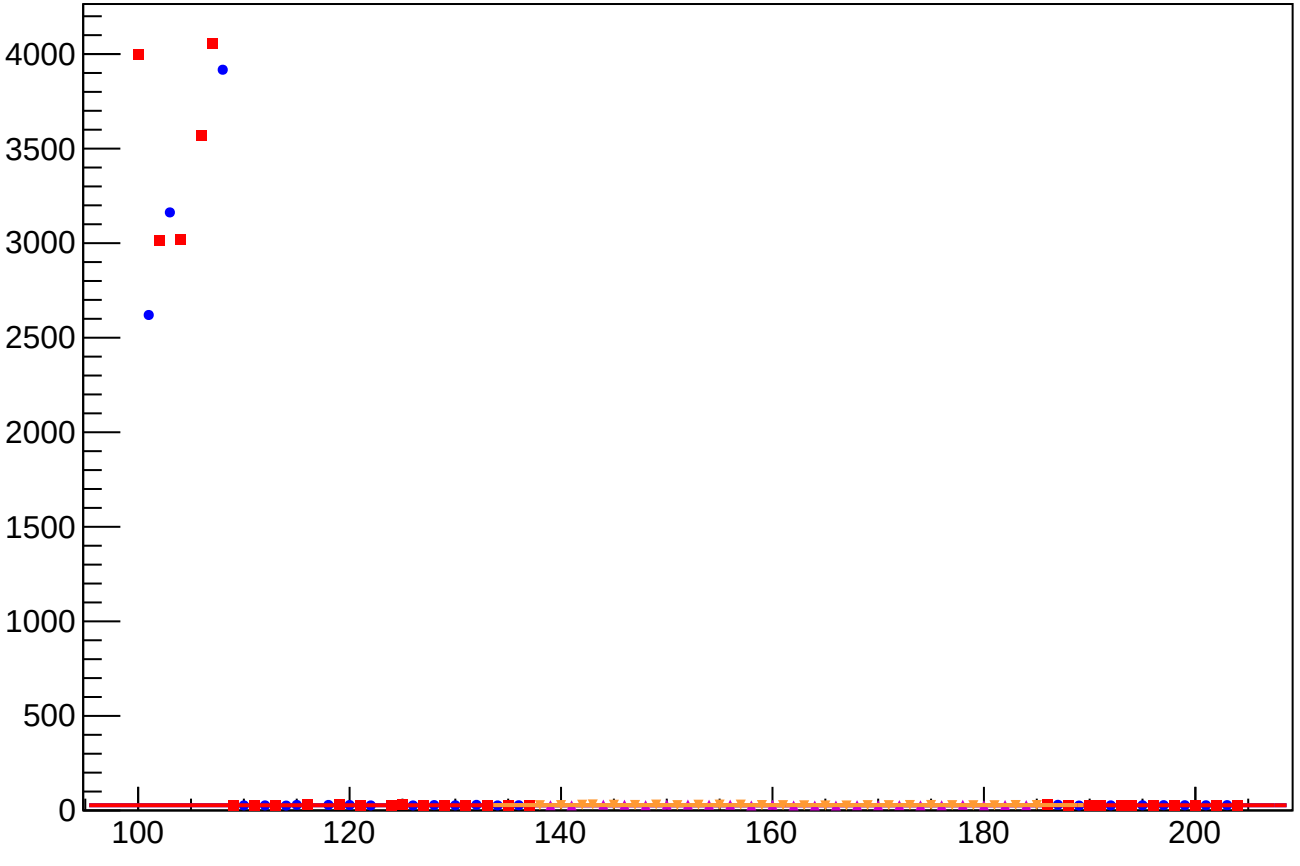
Right: 9.407+/-5.515 χ^2/NDF: 47.5/53

In: 3.627+/-5.164 χ^2/NDF:46.1/46

Out: -3.107+/-4.926 χ^2/NDF:59.2/54

All: 0.101+/-3.564 χ^2/NDF: 106.2/101

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 27.546+/-0.006 χ^2/NDF: 3274427.7/23

Left Out: 28.586+/-0.005 χ^2/NDF:88130.9/24

Right Out: 27.521+/-0.005 χ^2/NDF: 3583579.3/29

Left In: 28.606+/-0.005 χ^2/NDF:122928.2/22

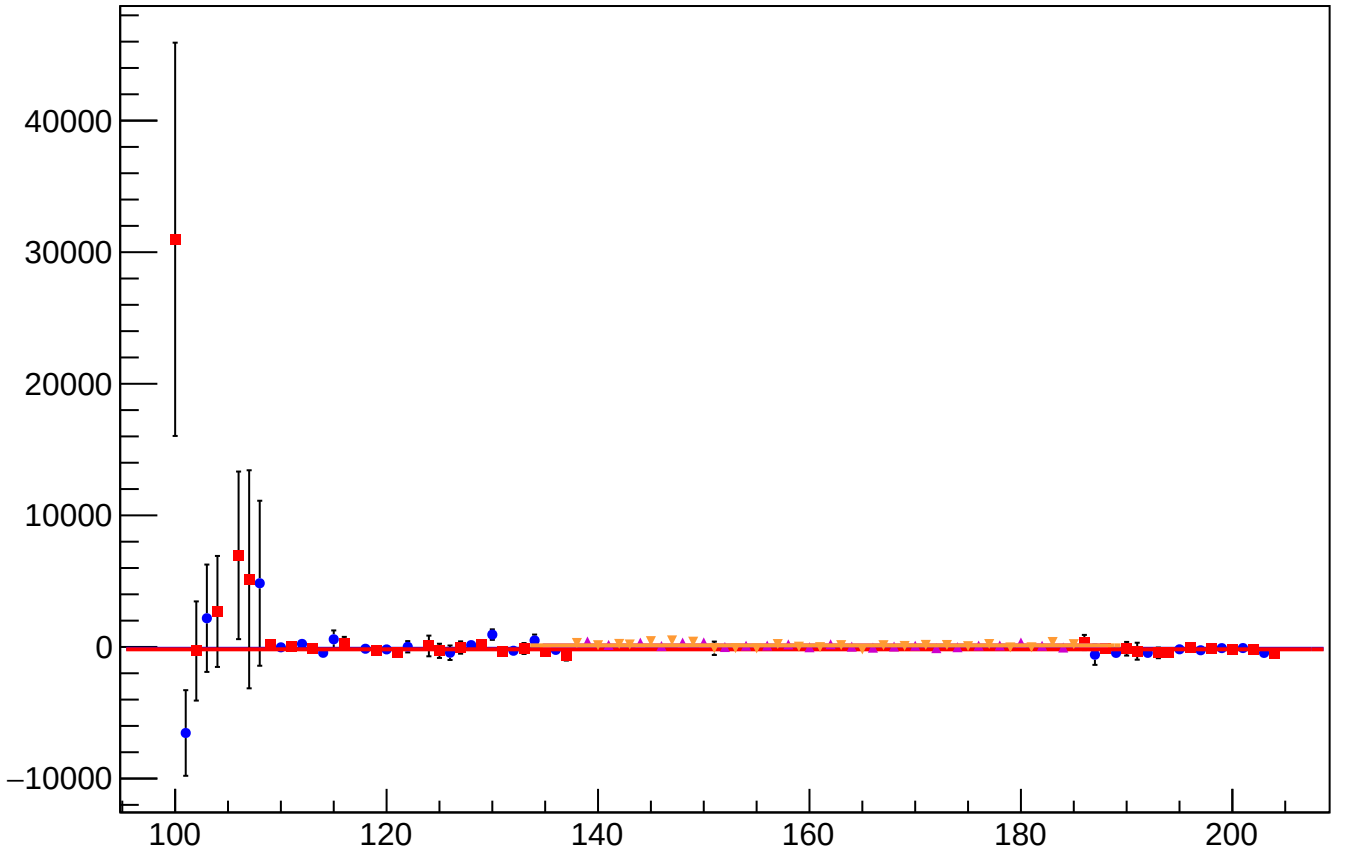
Left: 28.595+/-0.003 χ^2/NDF: 211068.4/47

Right: 27.532+/-0.004 χ^2/NDF: 6858017.8/53

In: 28.175+/-0.004 χ^2/NDF:3417678.9/46

Out: 28.130+/-0.003 χ^2/NDF:3694605.0/54

All: 28.151+/-0.003 χ^2/NDF: 7112363.1/101



Right In: -139.632+/-53.758 χ^2/NDF: 26.2/23

Left Out: 121.915+/-46.825 χ^2/NDF:12.0/24

Right Out: -178.956+/-50.586 χ^2/NDF: 22.3/29

Left In: 116.243+/-44.786 χ^2/NDF:8.4/22

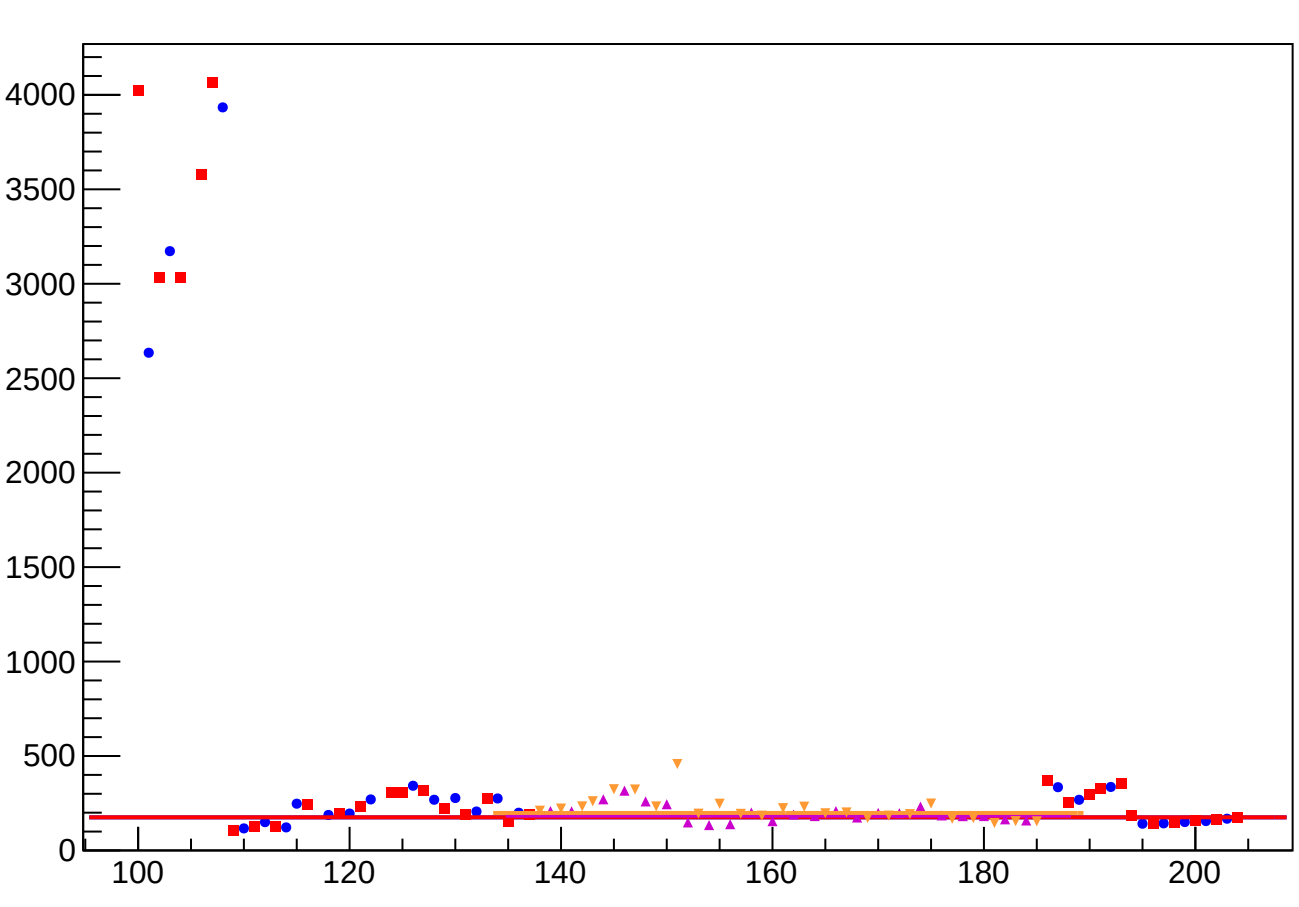
Left: 118.953+/-32.365 χ^2/NDF: 20.4/47

Right: -160.488+/-36.840 χ^2/NDF: 48.8/53

In: 11.411+/-34.410 χ^2/NDF:48.0/46

Out: -16.920+/-34.363 χ^2/NDF:53.3/54

All: -2.774+/-24.315 χ^2/NDF: 101.7/101



Right In: 175.052+/-0.038 χ^2/NDF: 4816696.4/23

Left Out: 198.571+/-0.033 χ^2/NDF:1901504.1/24

Right Out: 175.430+/-0.036 χ^2/NDF: 5500672.8/29

Left In: 184.051+/-0.032 χ^2/NDF:1445426.0/22

Left: 190.988+/-0.023 χ^2/NDF: 3447360.1/47

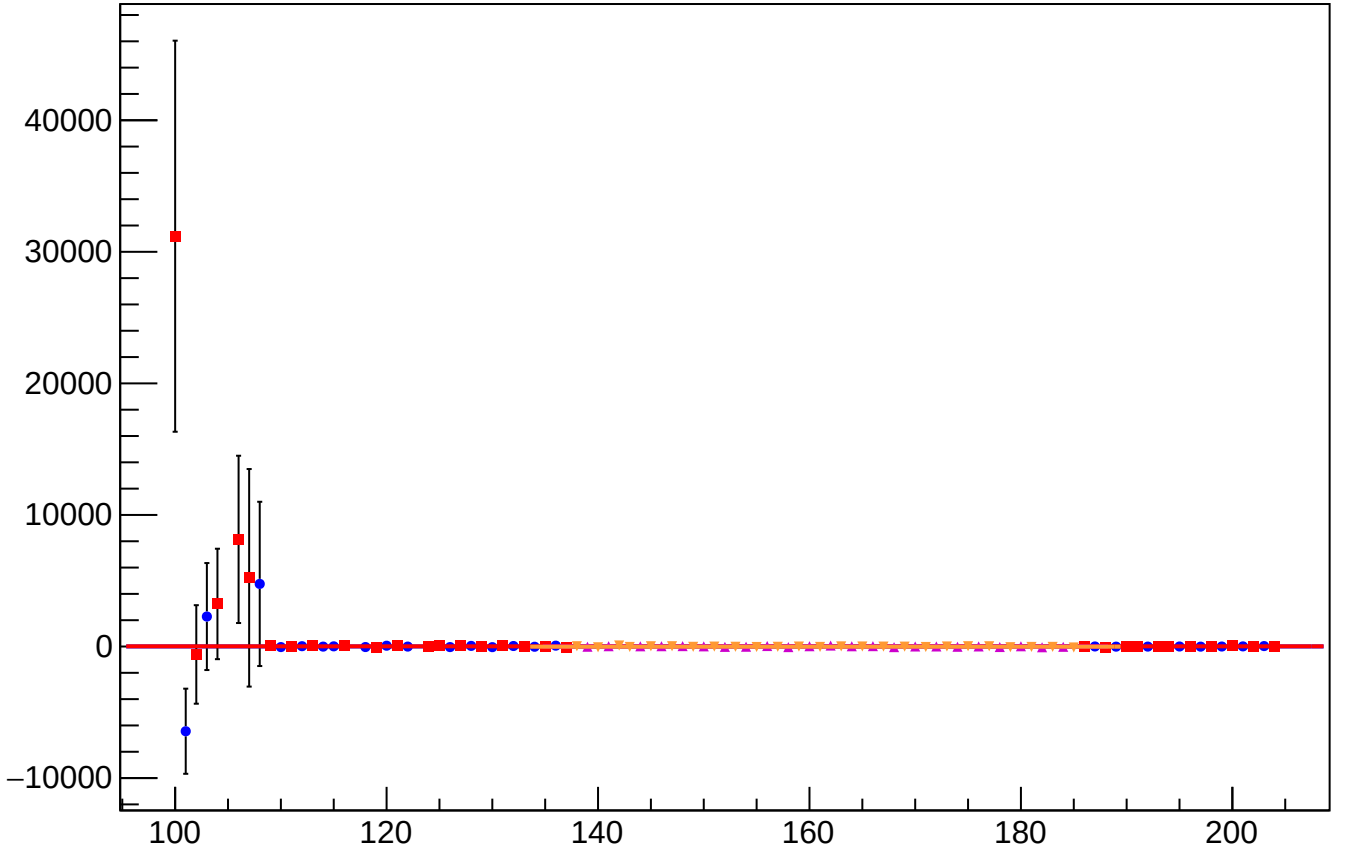
Right: 175.252+/-0.026 χ^2/NDF: 10317421.7/53

In: 180.364+/-0.024 χ^2/NDF:6295207.0/46

Out: 187.892+/-0.024 χ^2/NDF:7627579.0/54

All: 184.133+/-0.017 χ^2/NDF: 13970719.2/10

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 4.475+/-8.091 χ^2/NDF: 19.9/23

Left Out: -11.862+/-6.541 χ^2/NDF:17.9/24

Right Out: 15.249+/-7.523 χ^2/NDF: 28.7/29

Left In: 2.576+/-6.732 χ^2/NDF:22.2/22

Left: -4.851+/-4.691 χ^2/NDF: 42.4/47

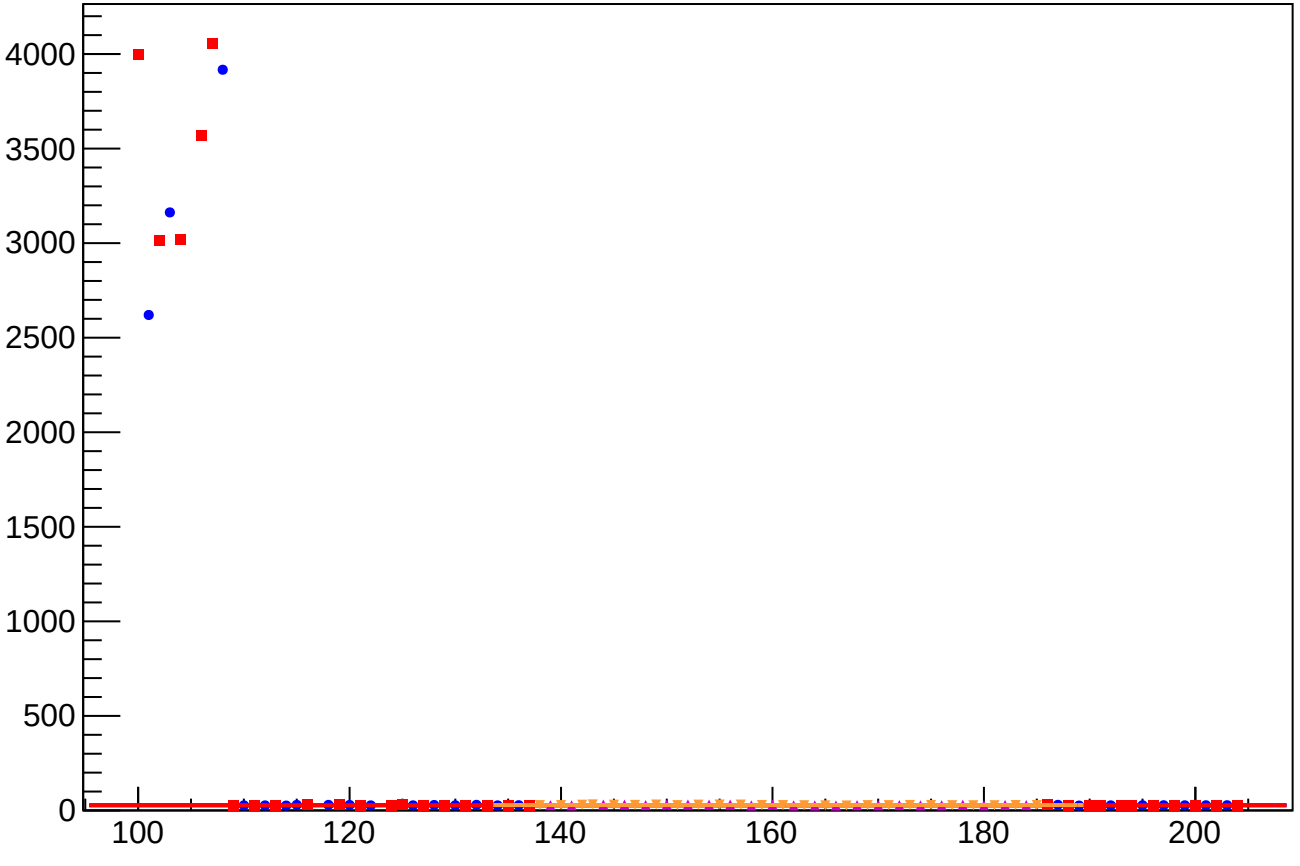
Right: 10.254+/-5.509 χ^2/NDF: 49.5/53

In: 3.353+/-5.175 χ^2/NDF:42.1/46

Out: -0.191+/-4.936 χ^2/NDF:54.0/54

All: 1.497+/-3.572 χ^2/NDF: 96.3/101

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 27.522+/-0.006 χ^2/NDF: 3275079.6/23

Left Out: 28.707+/-0.005 χ^2/NDF:98865.9/24

Right Out: 27.490+/-0.005 χ^2/NDF: 3583052.0/29

Left In: 28.728+/-0.005 χ^2/NDF:127383.0/22

Left: 28.717+/-0.003 χ^2/NDF: 226258.3/47

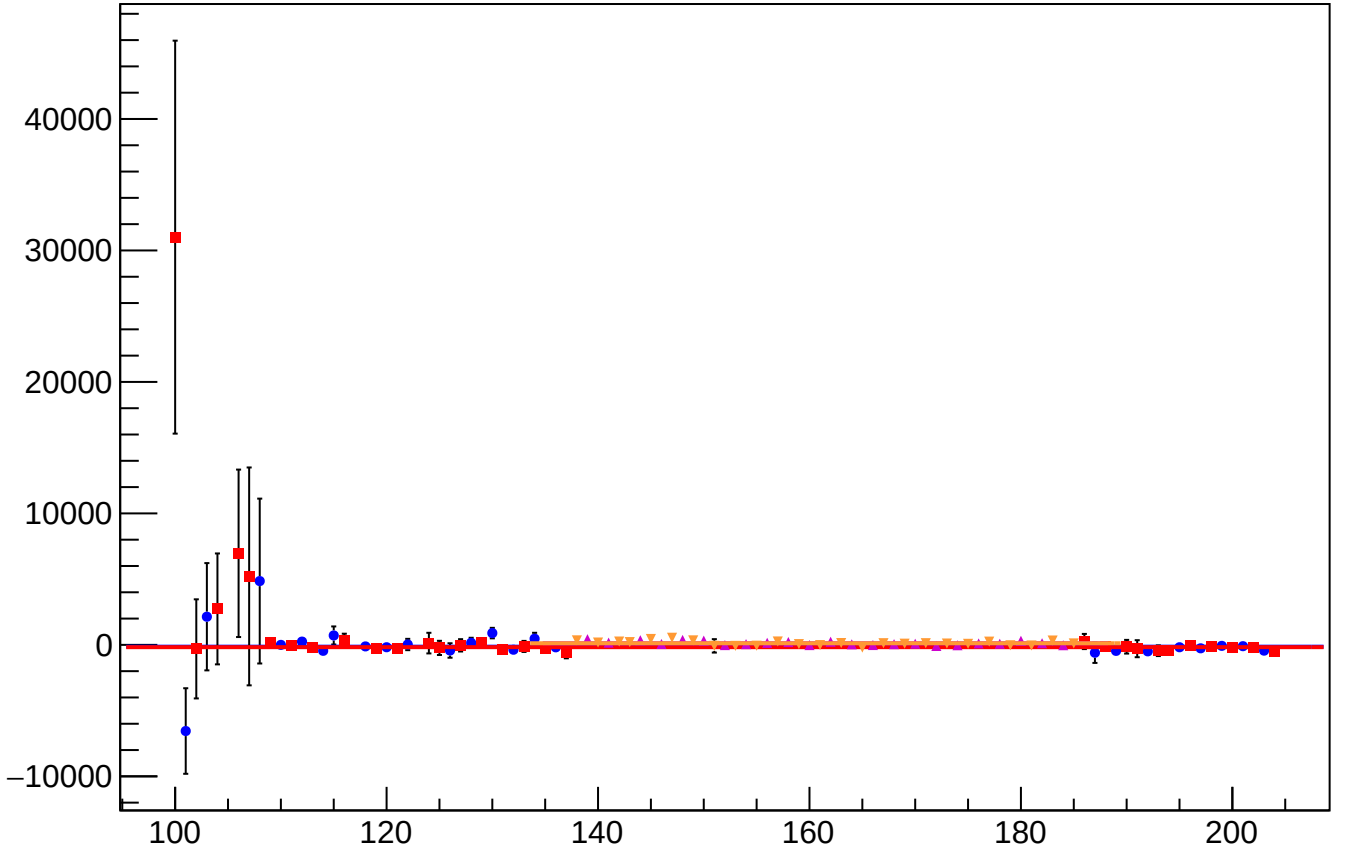
Right: 27.505+/-0.004 χ^2/NDF: 6858149.4/53

In: 28.235+/-0.004 χ^2/NDF:3428687.5/46

Out: 28.183+/-0.003 χ^2/NDF:3711768.3/54

All: 28.208+/-0.003 χ^2/NDF: 7140559.5/101

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs Slug, Sign Corrected



Right In: -138.070+/-54.185 χ^2/NDF: 26.6/23

Left Out: 122.864+/-47.300 χ^2/NDF:11.3/24

Right Out: -174.837+/-51.002 χ^2/NDF: 21.2/29

Left In: 123.046+/-45.269 χ^2/NDF:8.5/22

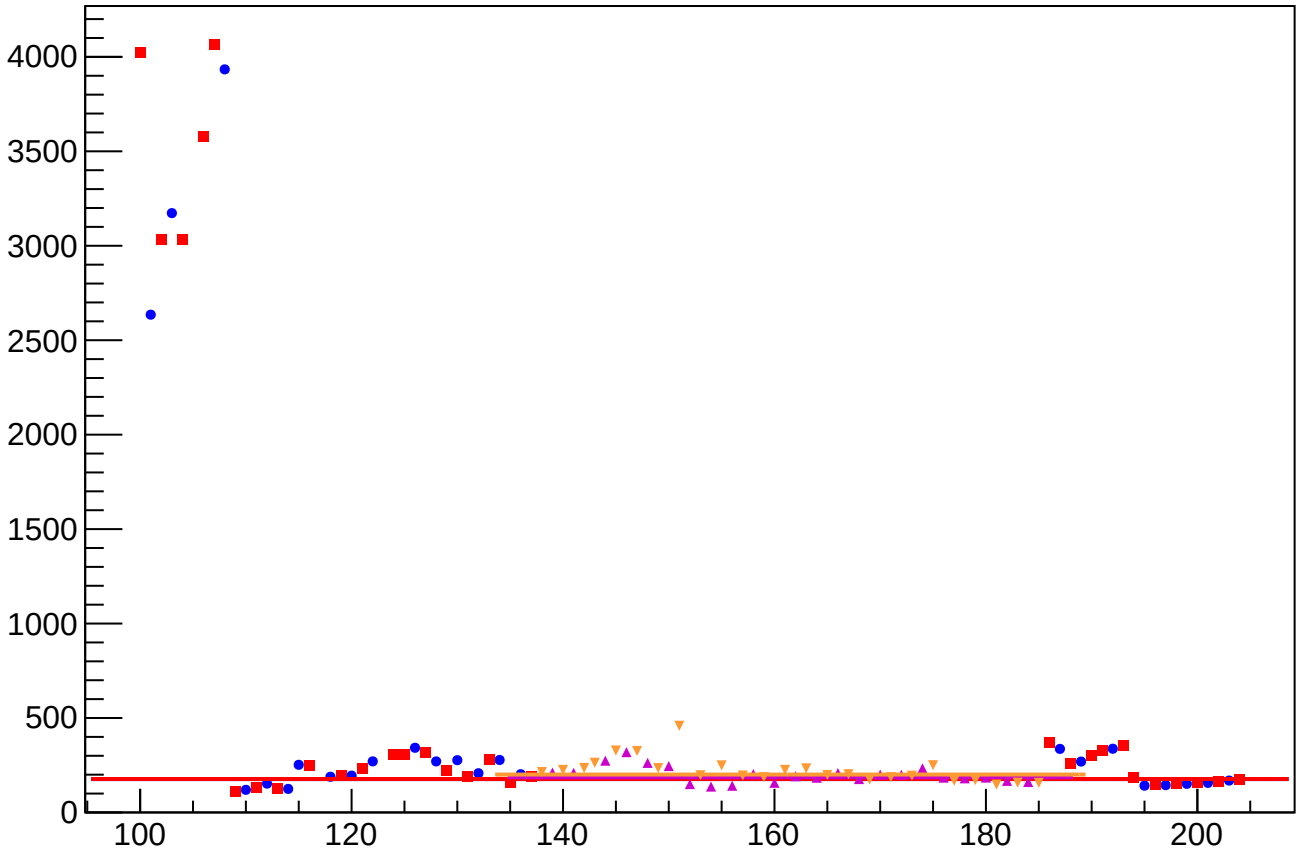
Left: 122.959+/-32.704 χ^2/NDF: 19.8/47

Right: -157.565+/-37.138 χ^2/NDF: 48.0/53

In: 15.709+/-34.740 χ^2/NDF:48.7/46

Out: -14.790+/-34.681 χ^2/NDF:50.9/54

All: 0.434+/-24.544 χ^2/NDF: 100.0/101



Right In: 176.594+/-0.038 χ^2/NDF: 4783062.5/23

Left Out: 200.686+/-0.033 χ^2/NDF:1880083.2/24

Right Out: 177.127+/-0.036 χ^2/NDF: 5435578.8/29

Left In: 186.169+/-0.032 χ^2/NDF:1413387.1/22

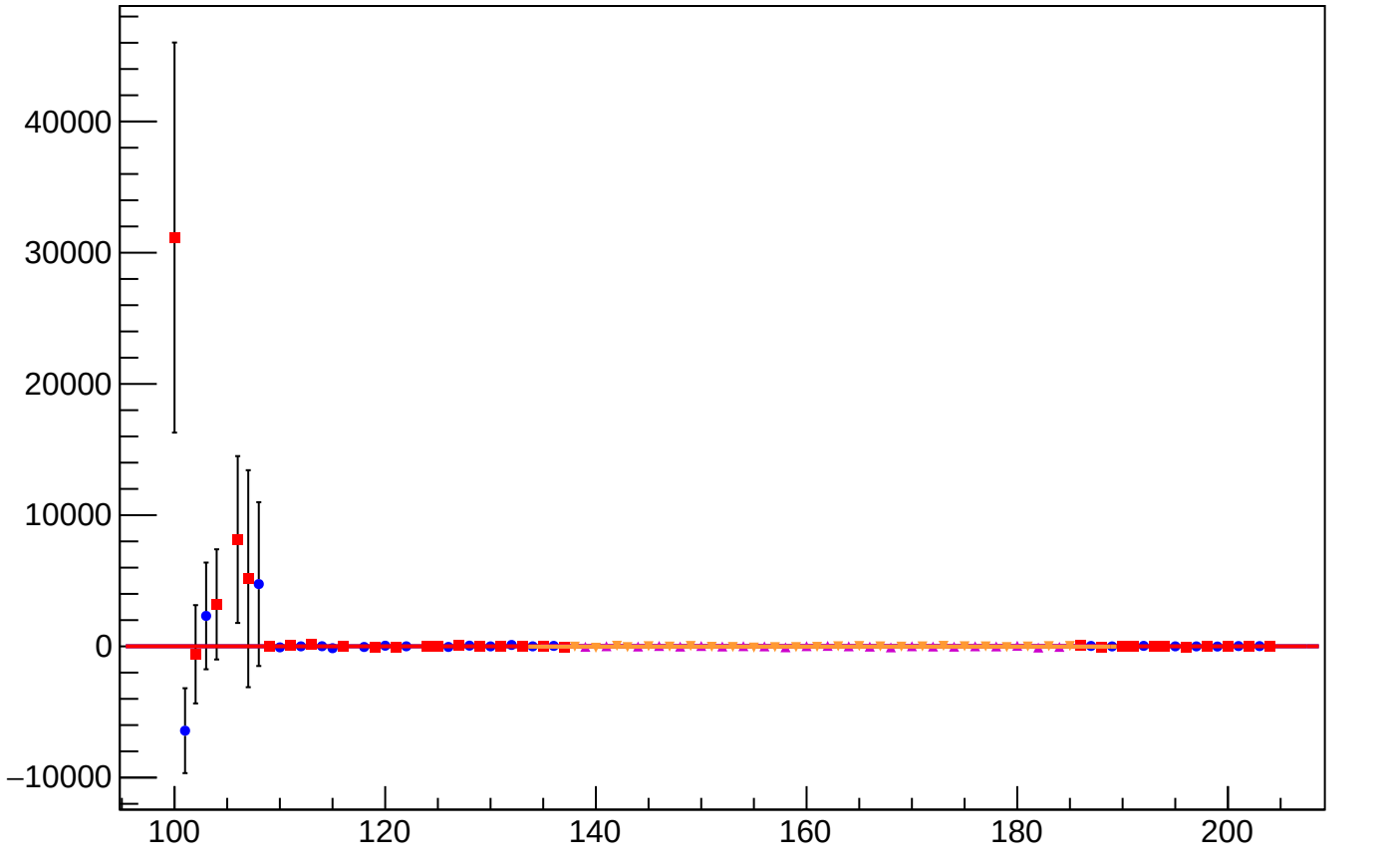
Left: 193.109+/-0.023 χ^2/NDF: 3391793.2/47

Right: 176.877+/-0.026 χ^2/NDF: 10218743.8/53

In: 182.233+/-0.025 χ^2/NDF:6233227.5/46

Out: 189.792+/-0.025 χ^2/NDF:7545077.0/54

All: 186.019+/-0.017 χ^2/NDF: 13825731.8/10



Right In: 8.345+/-9.859 χ^2/NDF: 19.1/23

Left Out: -21.228+/-7.835 χ^2/NDF:22.9/24

Right Out: 5.008+/-9.171 χ^2/NDF: 30.8/29

Left In: -4.029+/-8.083 χ^2/NDF:18.9/22

Left: -12.896+/-5.626 χ^2/NDF: 44.2/47

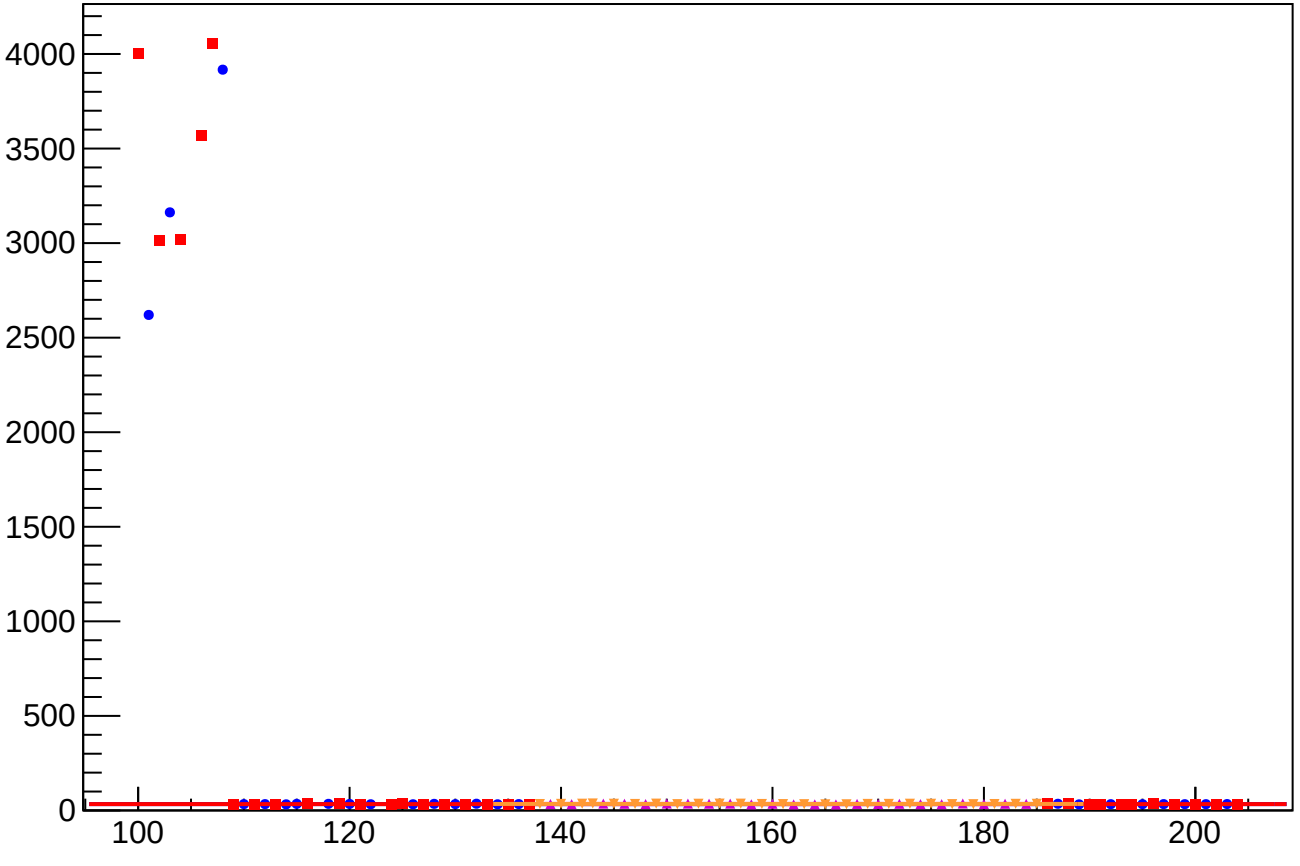
Right: 6.556+/-6.715 χ^2/NDF: 49.9/53

In: 0.945+/-6.251 χ^2/NDF:39.0/46

Out: -10.158+/-5.957 χ^2/NDF:58.4/54

All: -4.874+/-4.312 χ^2/NDF: 99.0/101

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 33.576+/-0.007 χ^2/NDF: 3249279.1/23

Left Out: 34.439+/-0.006 χ^2/NDF:44686.3/24

Right Out: 33.562+/-0.006 χ^2/NDF: 3541843.5/29

Left In: 34.552+/-0.006 χ^2/NDF:59280.9/22

Left: 34.494+/-0.004 χ^2/NDF: 104170.1/47

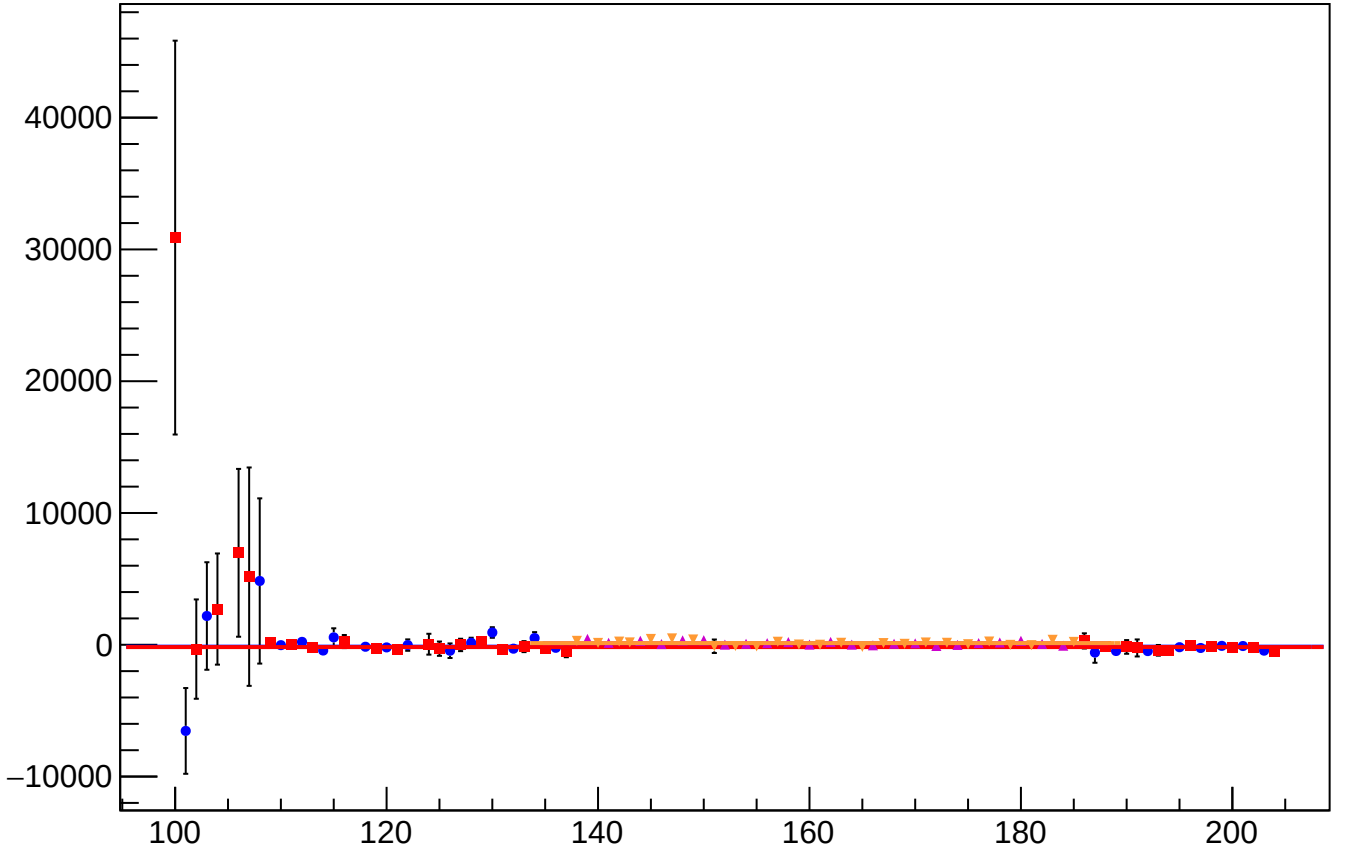
Right: 33.568+/-0.005 χ^2/NDF: 6791124.9/53

In: 34.160+/-0.004 χ^2/NDF:3320278.3/46

Out: 34.069+/-0.004 χ^2/NDF:3597099.9/54

All: 34.112+/-0.003 χ^2/NDF: 6917600.8/101

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: -143.552+/-54.017 χ^2/NDF: 25.9/23

Left Out: 127.689+/-47.228 χ^2/NDF:11.6/24

Right Out: -175.343+/-50.802 χ^2/NDF: 20.4/29

Left In: 122.809+/-45.199 χ^2/NDF:8.0/22

Left: 125.142+/-32.654 χ^2/NDF: 19.6/47

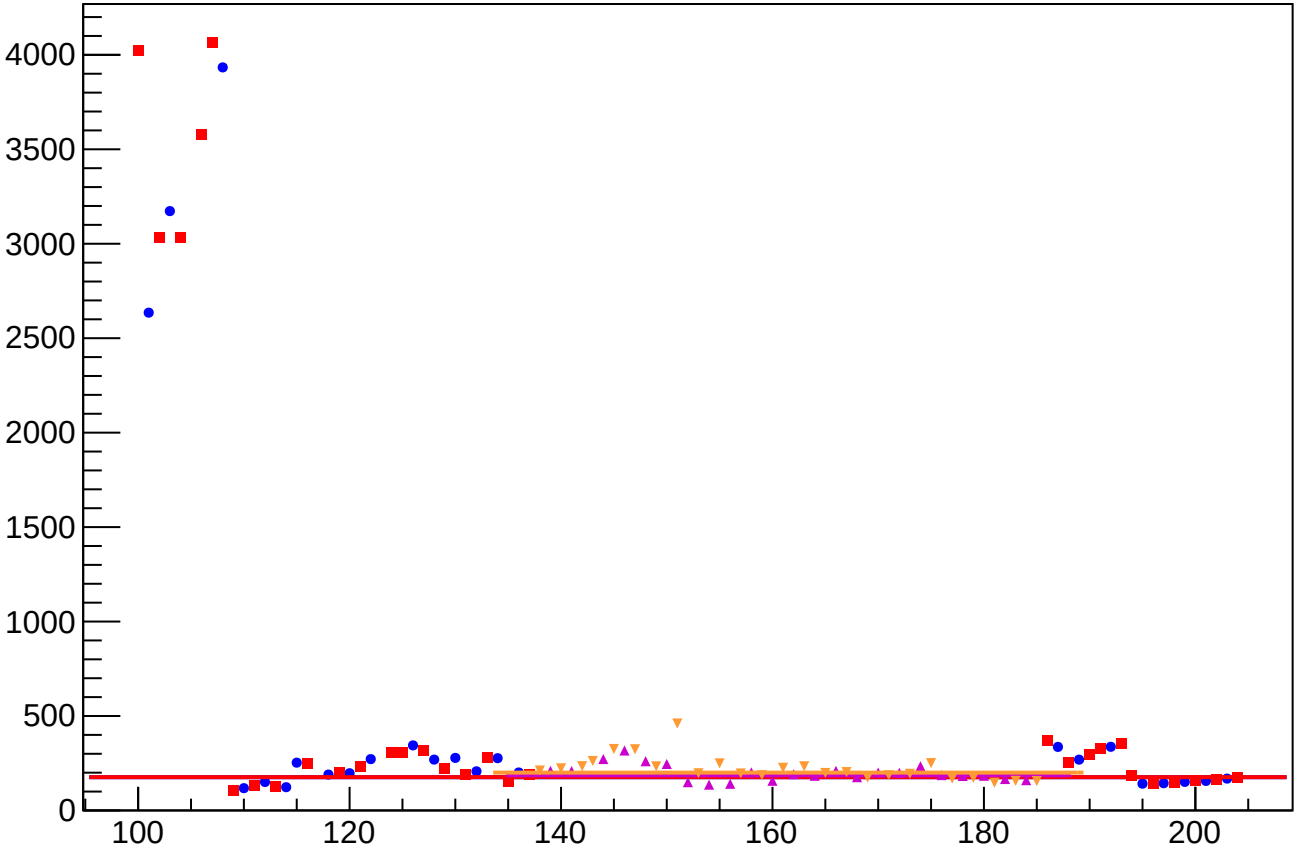
Right: -160.422+/-37.007 χ^2/NDF: 46.5/53

In: 13.116+/-34.664 χ^2/NDF:48.2/46

Out: -12.794+/-34.590 χ^2/NDF:51.1/54

All: 0.133+/-24.485 χ^2/NDF: 99.6/101

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 175.916+/-0.038 χ^2/NDF: 4812377.5/23

Left Out: 200.372+/-0.033 χ^2/NDF:1876533.6/24

Right Out: 176.233+/-0.036 χ^2/NDF: 5488608.3/29

Left In: 185.871+/-0.032 χ^2/NDF:1405525.2/22

Left: 192.803+/-0.023 χ^2/NDF: 3380466.3/47

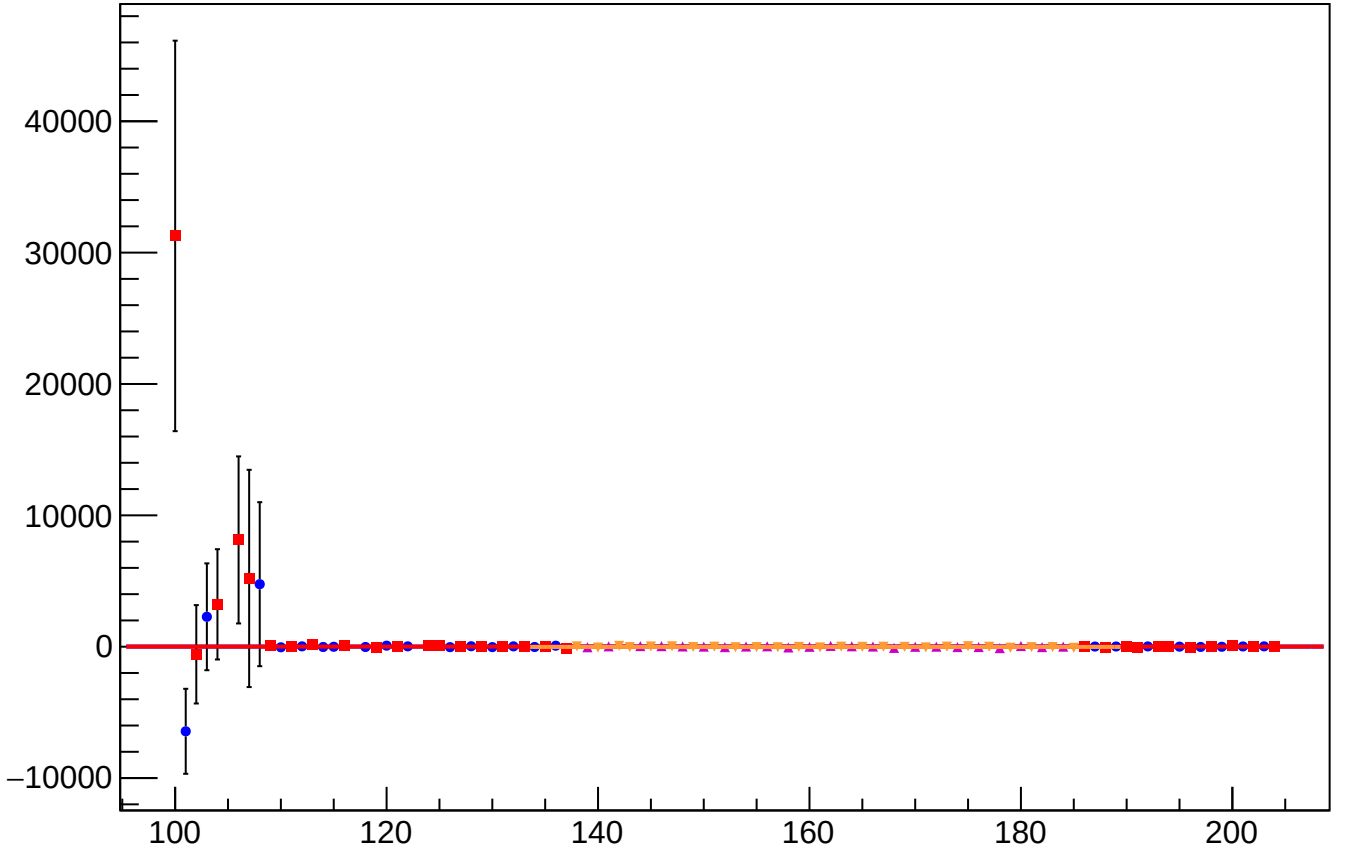
Right: 176.084+/-0.026 χ^2/NDF: 10301022.2/53

In: 181.772+/-0.025 χ^2/NDF:6257858.3/46

Out: 189.181+/-0.024 χ^2/NDF:7607365.1/54

All: 185.484+/-0.017 χ^2/NDF: 13911011.6/10

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 11.263+/-8.944 χ^2/NDF: 17.0/23

Left Out: -18.581+/-7.135 χ^2/NDF:20.4/24

Right Out: 7.571+/-8.308 χ^2/NDF: 38.5/29

Left In: -2.709+/-7.348 χ^2/NDF:35.5/22

Left: -10.878+/-5.119 χ^2/NDF: 58.3/47

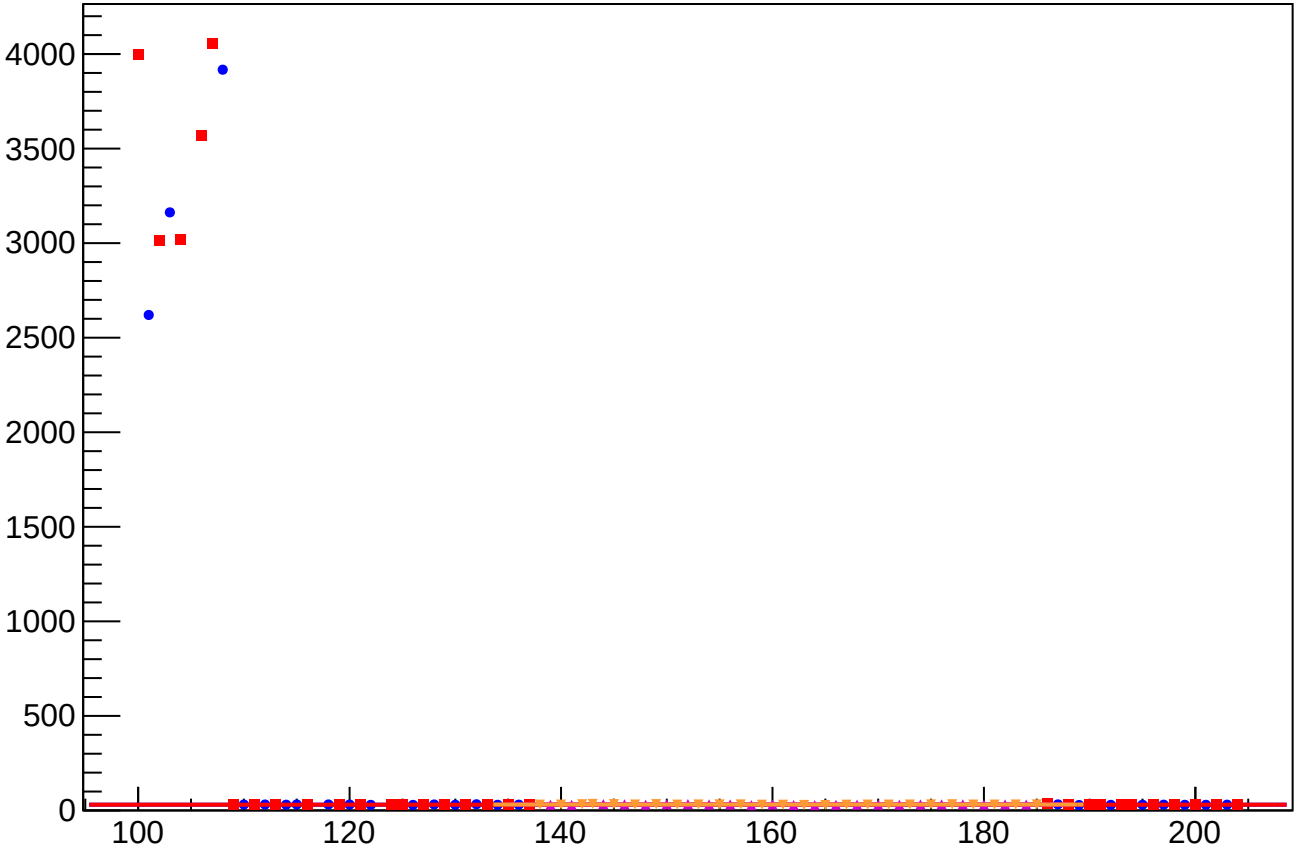
Right: 9.282+/-6.087 χ^2/NDF: 55.5/53

In: 2.921+/-5.677 χ^2/NDF:54.0/46

Out: -7.480+/-5.413 χ^2/NDF:64.6/54

All: -2.527+/-3.918 χ^2/NDF: 120.3/101

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 30.437+/-0.006 χ^2/NDF: 3263263.6/23

Left Out: 31.340+/-0.005 χ^2/NDF:63017.9/24

Right Out: 30.377+/-0.006 χ^2/NDF: 3560052.3/29

Left In: 31.379+/-0.005 χ^2/NDF:85229.7/22

Left: 31.359+/-0.004 χ^2/NDF: 148277.4/47

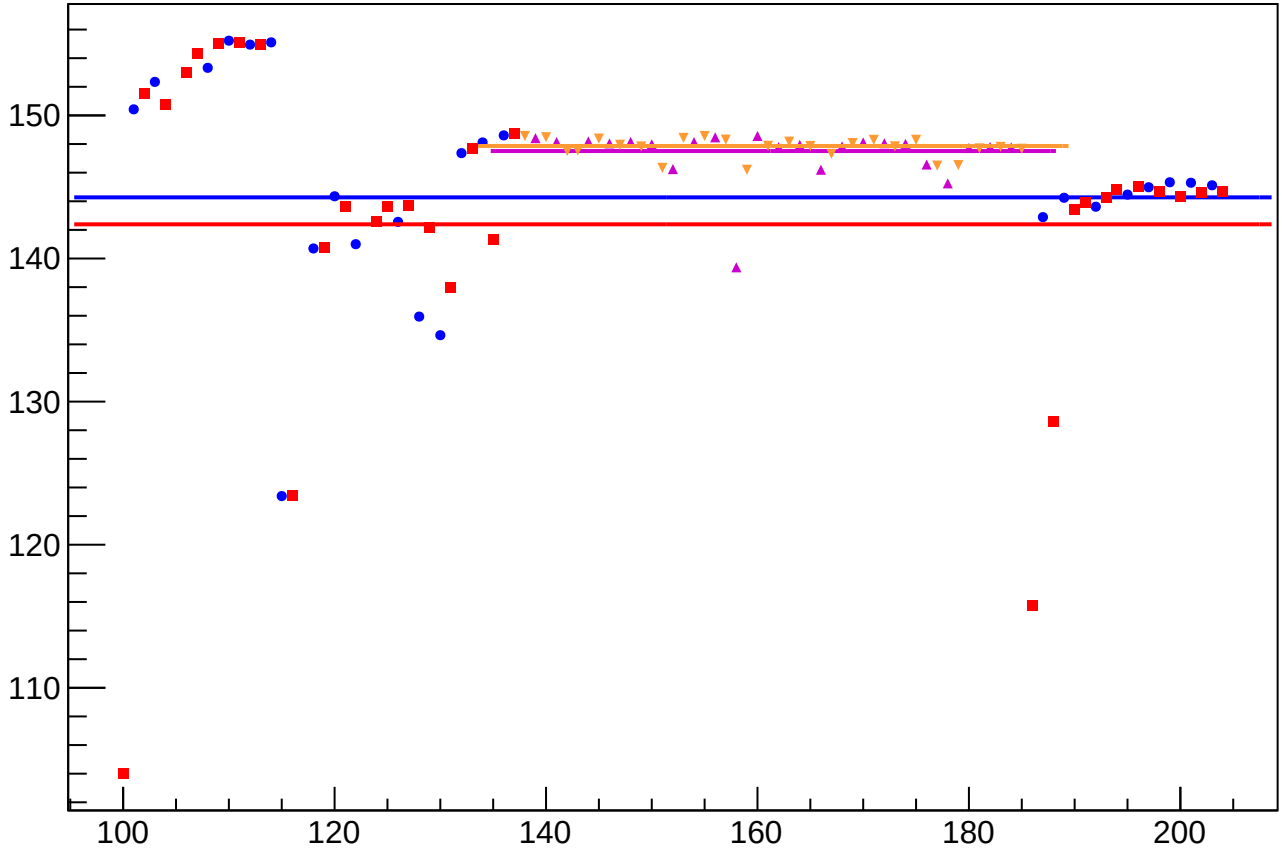
Right: 30.405+/-0.004 χ^2/NDF: 6823363.1/53

In: 30.999+/-0.004 χ^2/NDF:3361764.1/46

Out: 30.931+/-0.004 χ^2/NDF:3638521.4/54

All: 30.964+/-0.003 χ^2/NDF: 7000436.6/101

yield_bcm_target_mean vs Slug, Sign Corrected



Right In: 144.274+/-0.000 χ^2/NDF: 3738017721.3/23

Left Out: 147.864+/-0.000 χ^2/NDF:44922014.2/24

Right Out: 142.391+/-0.000 χ^2/NDF: 7536156499.4/29

Left In: 147.511+/-0.000 χ^2/NDF:306421789.5/22

Left: 147.695+/-0.000 χ^2/NDF: 357135734.4/47

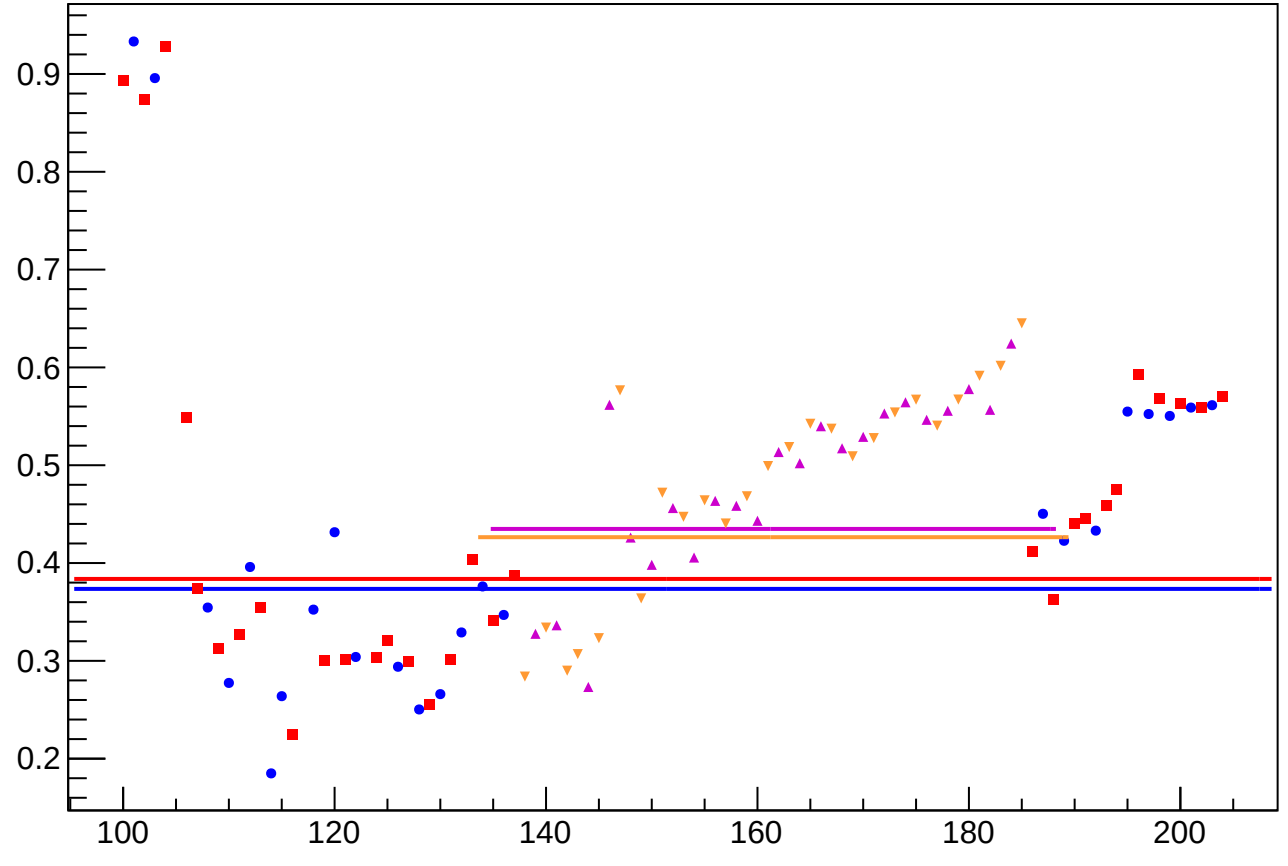
Right: 143.275+/-0.000 χ^2/NDF: 11422377714.3/53

In: 145.993+/-0.000 χ^2/NDF:4482627782.0/46

Out: 145.245+/-0.000 χ^2/NDF:8971897808.6/54

All: 145.600+/-0.000 χ^2/NDF: 13503935016.

yield_bcm_target_rms vs Slug, Sign Corrected



Right In: 0.374+/-0.000 χ^2/NDF: 2621606.2/23

Left Out: 0.426+/-0.000 χ^2/NDF:2259192.5/24

Right Out: 0.384+/-0.000 χ^2/NDF: 2678125.3/29

Left In: 0.435+/-0.000 χ^2/NDF:1774903.7/22

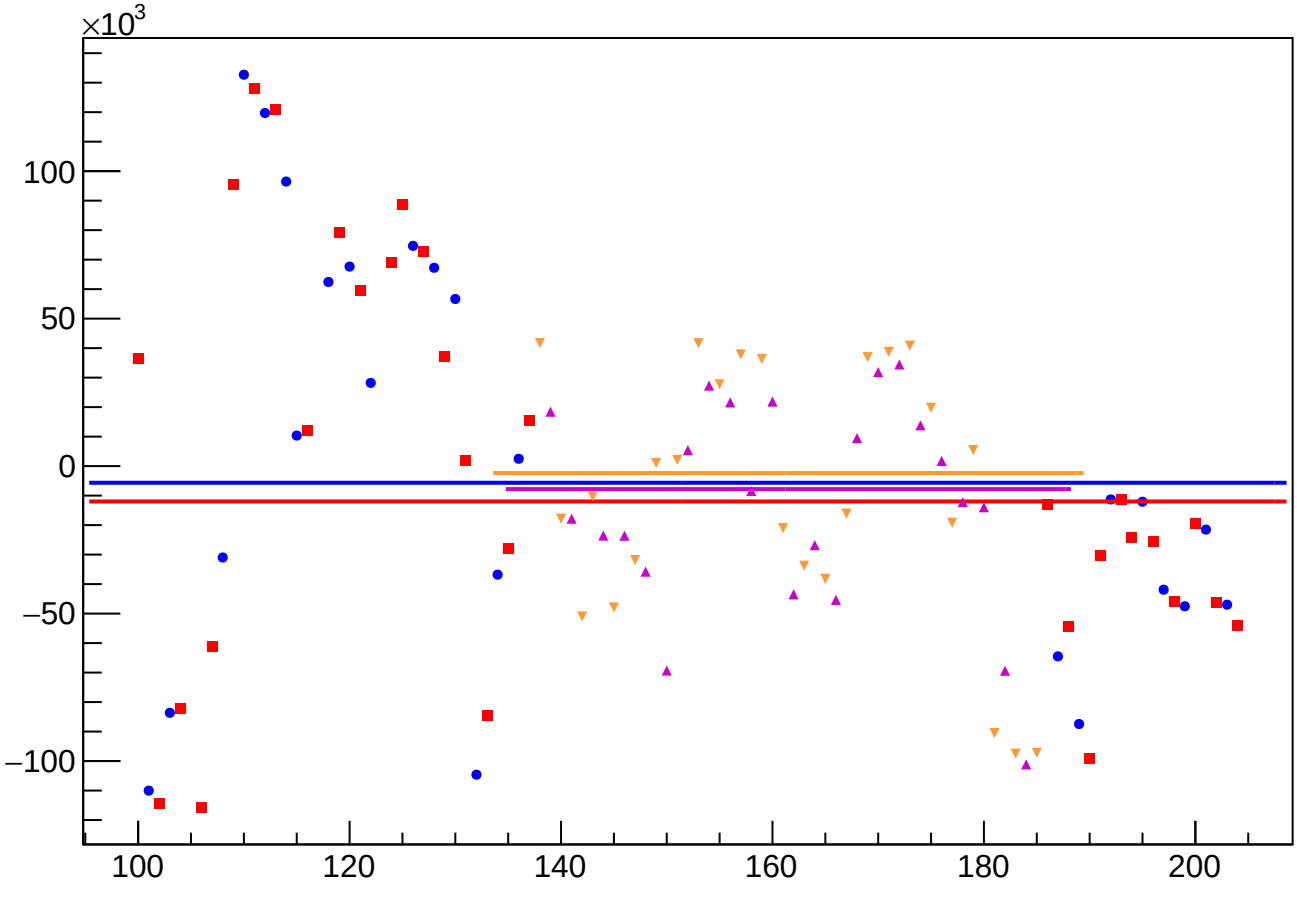
Left: 0.430+/-0.000 χ^2/NDF: 4040738.3/47

Right: 0.379+/-0.000 χ^2/NDF: 5308403.4/53

In: 0.406+/-0.000 χ^2/NDF:4710928.7/46

Out: 0.406+/-0.000 χ^2/NDF:5106389.0/54

All: 0.406+/-0.000 χ^2/NDF: 9817320.4/101



Right In: -5645.550+/-1.506 χ^2/NDF: 1808410655.2/23

Left Out: -2344.855+/-1.123 χ^2/NDF:1230029339.6/24

Right Out: -11987.372+/-1.355 χ^2/NDF: 2324571370.9/29

Left In: -7787.808+/-1.145 χ^2/NDF:762496621.5/22

Left: -5015.253+/-0.802 χ^2/NDF: 2004045886.0/47

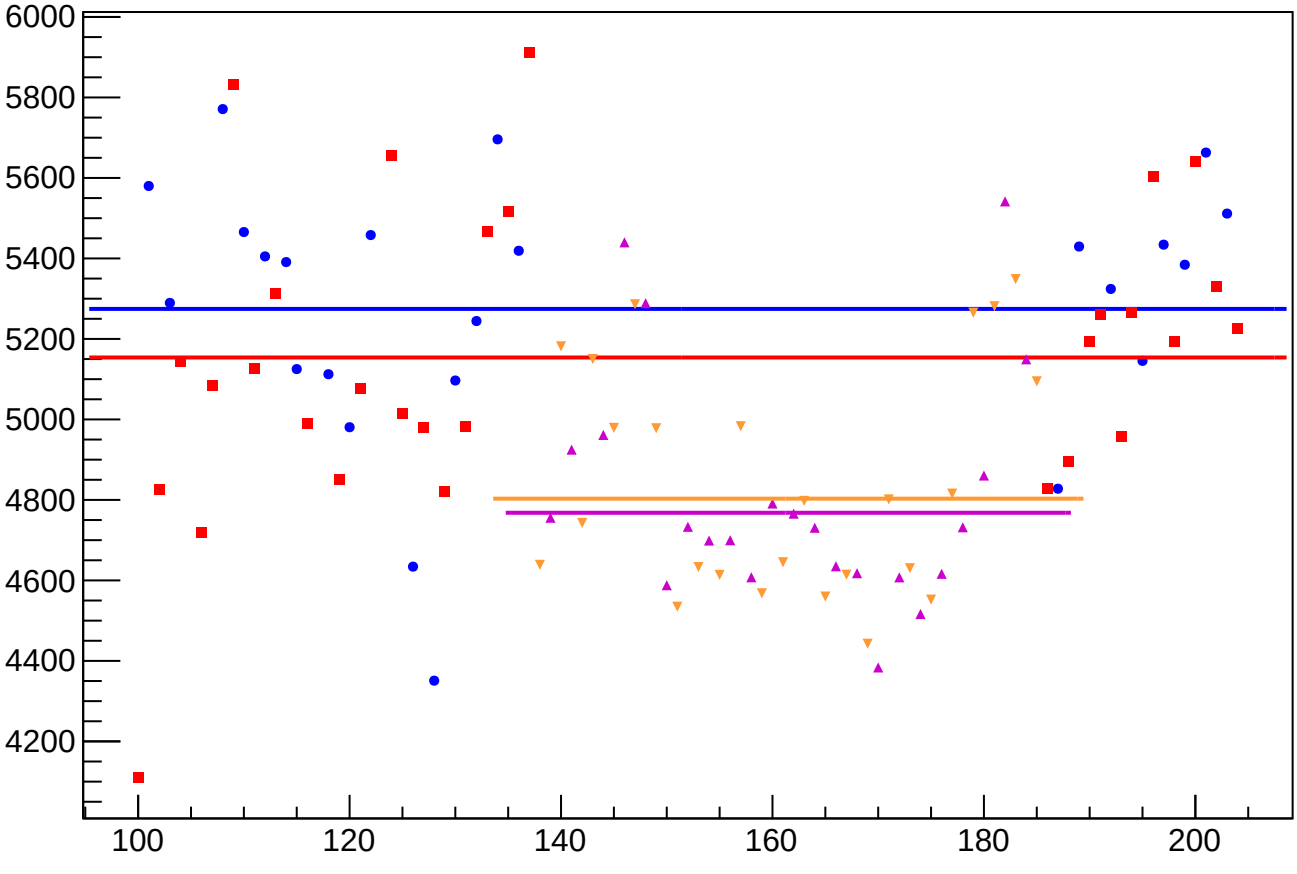
Right: -9148.529+/-1.007 χ^2/NDF: 4142781429.5/5

In: -7003.259+/-0.911 χ^2/NDF:2572190276.8/46

Out: -6270.782+/-0.865 χ^2/NDF:3584604191.2/54

All: -6617.940+/-0.627 χ^2/NDF: 6157134417

yield_bcm_an_diff_rms vs Slug, Sign Corrected



Right In: 5274.596+/-1.065 χ^2/NDF: 97366.3/23

Left Out: 4803.136+/-0.794 χ^2/NDF:114681.5/24

Right Out: 5153.890+/-0.958 χ^2/NDF: 97409.4/29

Left In: 4768.055+/-0.809 χ^2/NDF:102355.5/22

Left: 4785.925+/-0.567 χ^2/NDF: 217994.1/47

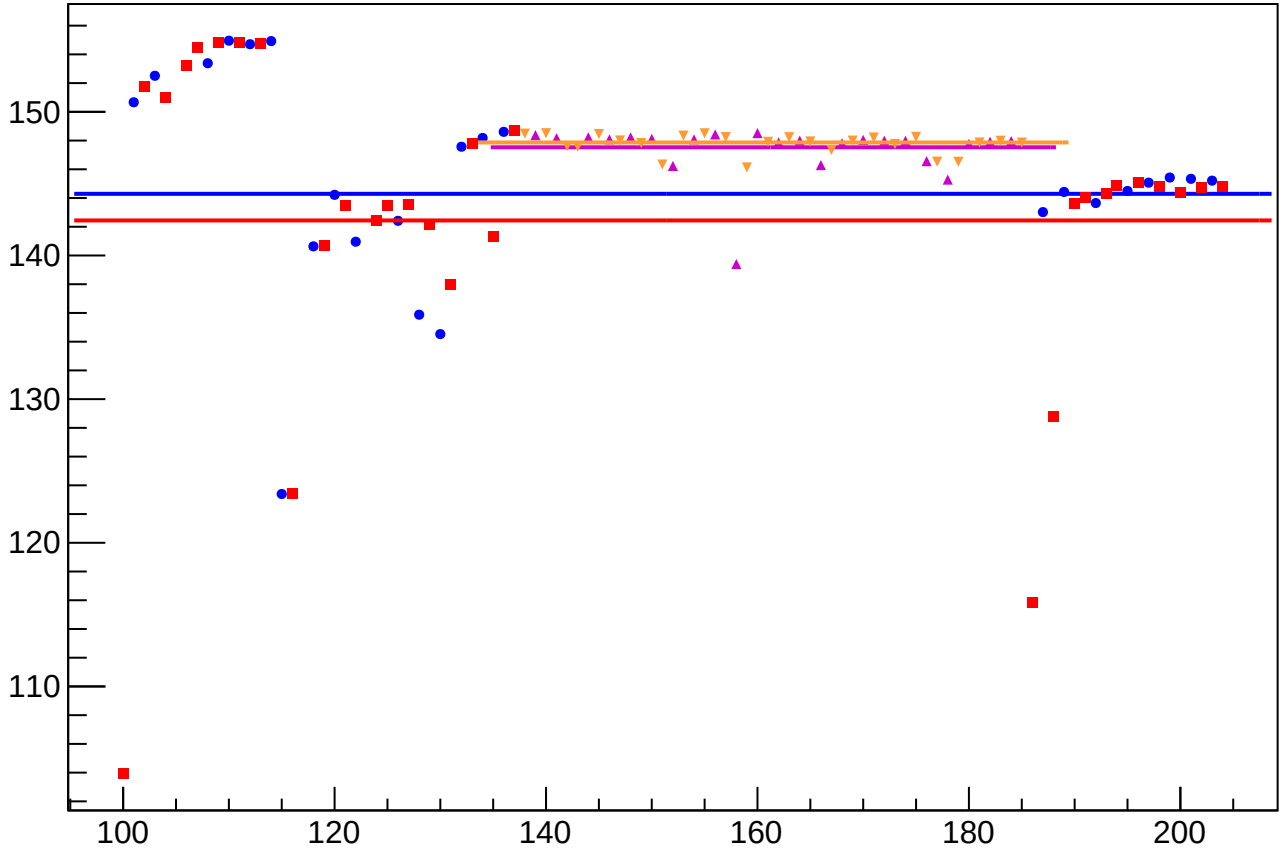
Right: 5207.923+/-0.712 χ^2/NDF: 201875.8/53

In: 4953.563+/-0.644 χ^2/NDF:343185.7/46

Out: 4945.945+/-0.612 χ^2/NDF:291491.8/54

All: 4949.556+/-0.444 χ^2/NDF: 634751.0/101

yield_bcm_an_ds_mean vs Slug, Sign Corrected



Right In: 144.292+/-0.000 χ^2/NDF: 3779500927.3/23

Left Out: 147.870+/-0.000 χ^2/NDF:44483332.4/24

Right Out: 142.440+/-0.000 χ^2/NDF: 7511186736.6/29

Left In: 147.532+/-0.000 χ^2/NDF:307143604.6/22

Left: 147.708+/-0.000 χ^2/NDF: 356985822.2/47

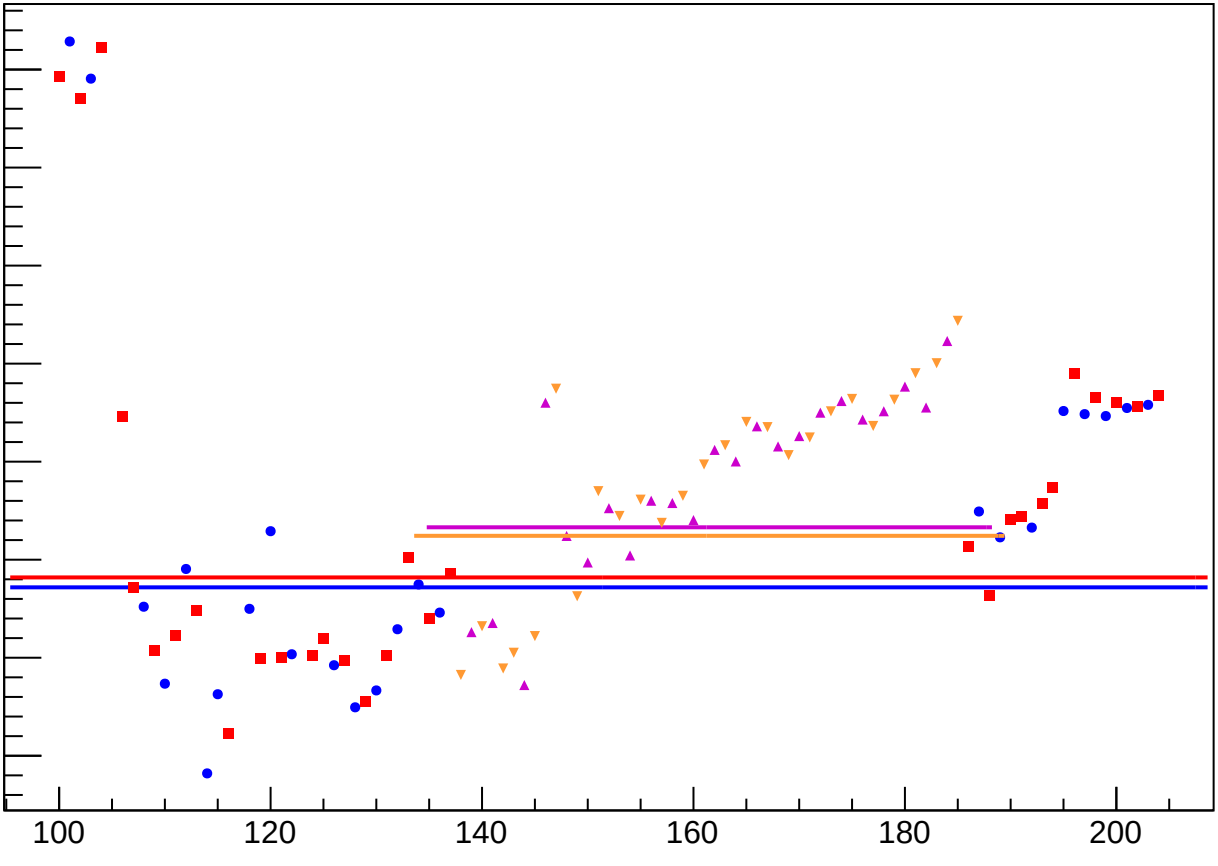
Right: 143.310+/-0.000 χ^2/NDF: 11435419396.7/53

In: 146.012+/-0.000 χ^2/NDF:4529429051.0/46

Out: 145.272+/-0.000 χ^2/NDF:8937290887.0/54

All: 145.623+/-0.000 χ^2/NDF: 13515437053.

yield_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 0.372+/-0.000 χ^2/NDF: 2618715.8/23

Left Out: 0.424+/-0.000 χ^2/NDF:2260723.7/24

Right Out: 0.382+/-0.000 χ^2/NDF: 2685058.8/29

Left In: 0.433+/-0.000 χ^2/NDF:1771141.8/22

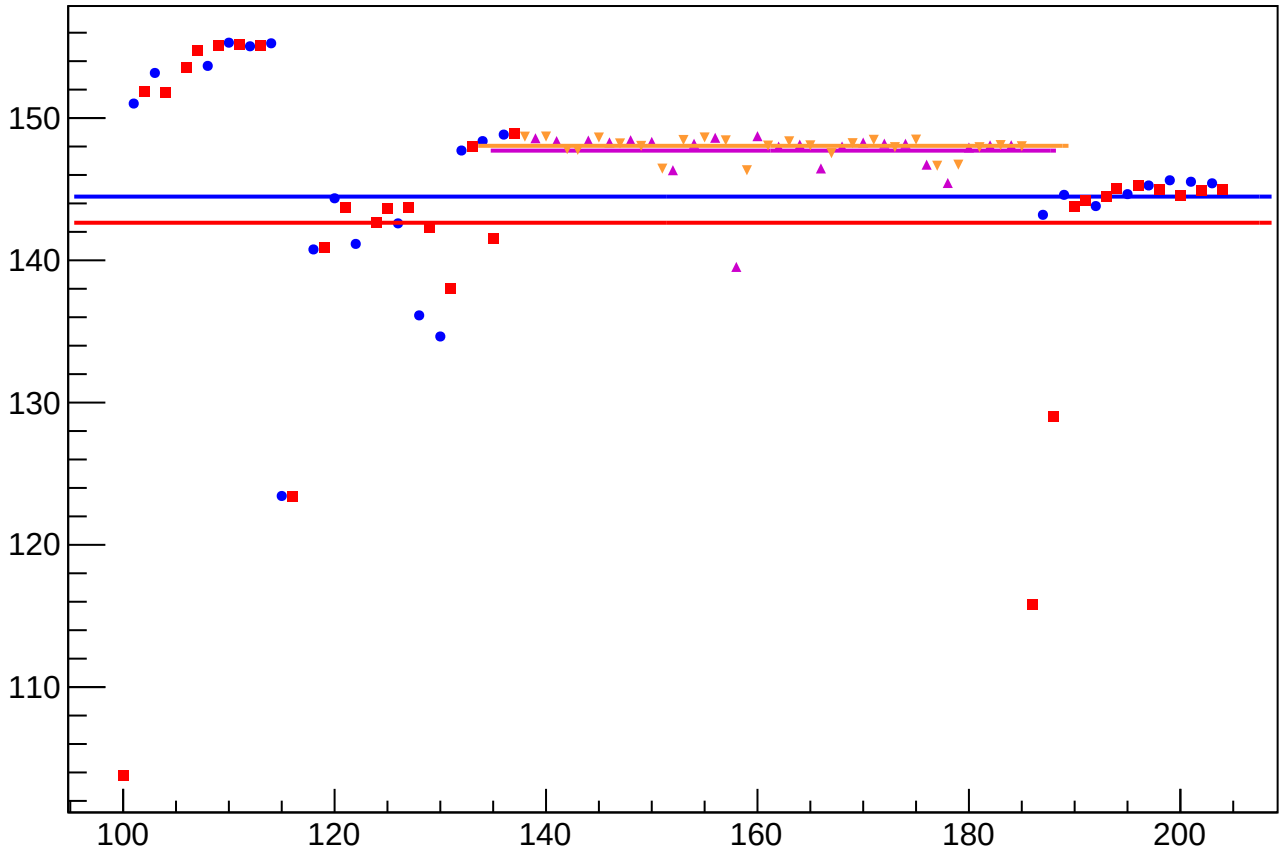
Left: 0.429+/-0.000 χ^2/NDF: 4038947.9/47

Right: 0.377+/-0.000 χ^2/NDF: 5312416.0/53

In: 0.404+/-0.000 χ^2/NDF:4706502.7/46

Out: 0.404+/-0.000 χ^2/NDF:5114593.4/54

All: 0.404+/-0.000 χ^2/NDF: 9821107.6/101



Right In: 144.480+/-0.000 χ^2/NDF: 3773423963.5/23

Left Out: 148.049+/-0.000 χ^2/NDF:44901895.1/24

Right Out: 142.642+/-0.000 χ^2/NDF: 7446300905.4/29

Left In: 147.710+/-0.000 χ^2/NDF:311841433.9/22

Left: 147.887+/-0.000 χ^2/NDF: 362079380.3/47

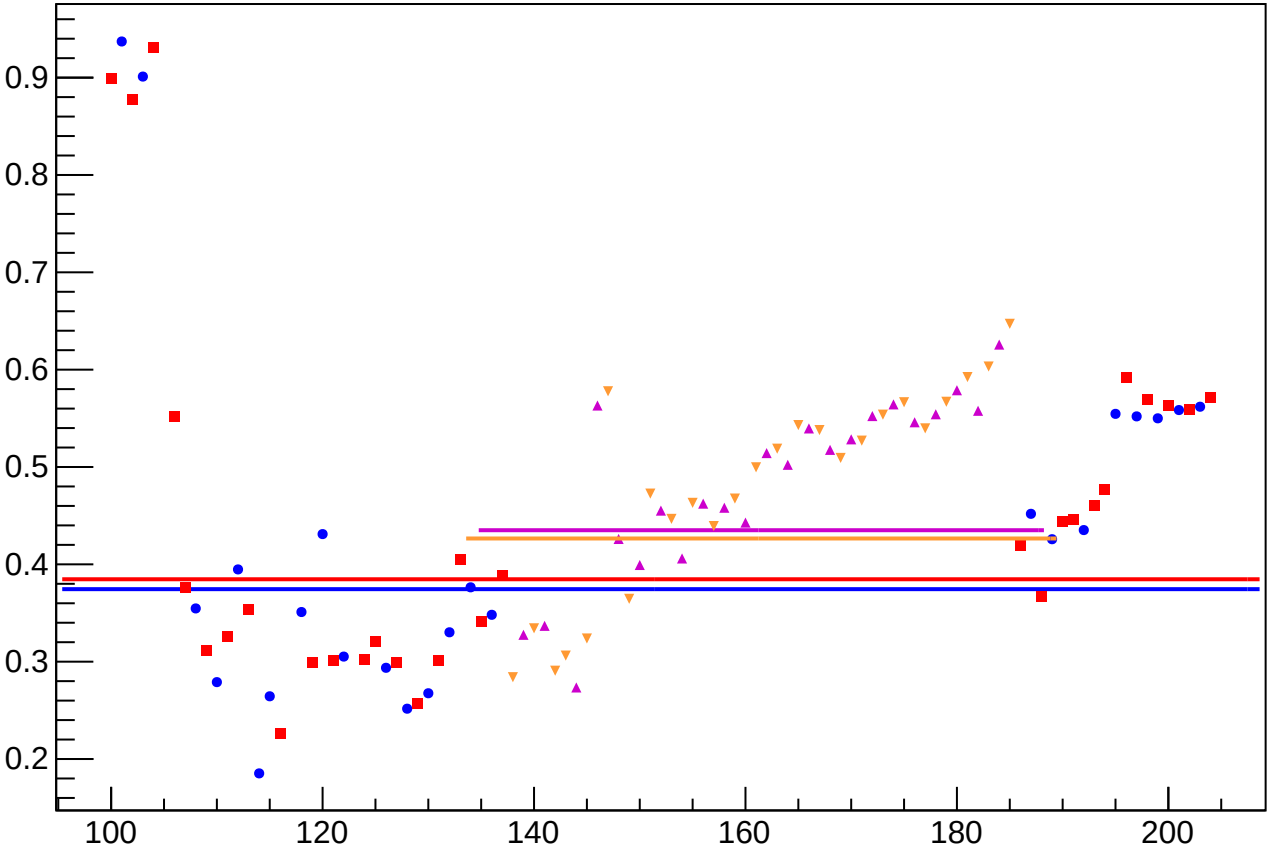
Right: 143.504+/-0.000 χ^2/NDF: 11360199336.5/53

In: 146.199+/-0.000 χ^2/NDF:4520601609.6/46

Out: 145.468+/-0.000 χ^2/NDF:8844957779.7/54

All: 145.815+/-0.000 χ^2/NDF: 13412556052.

yield_bcm_an_ds3_rms vs Slug, Sign Corrected



Right In: 0.375+/-0.000 χ^2/NDF: 2609852.1/23

Left Out: 0.427+/-0.000 χ^2/NDF:2257492.3/24

Right Out: 0.385+/-0.000 χ^2/NDF: 2680502.1/29

Left In: 0.435+/-0.000 χ^2/NDF:1769716.0/22

Left: 0.431+/-0.000 χ^2/NDF: 4033919.8/47

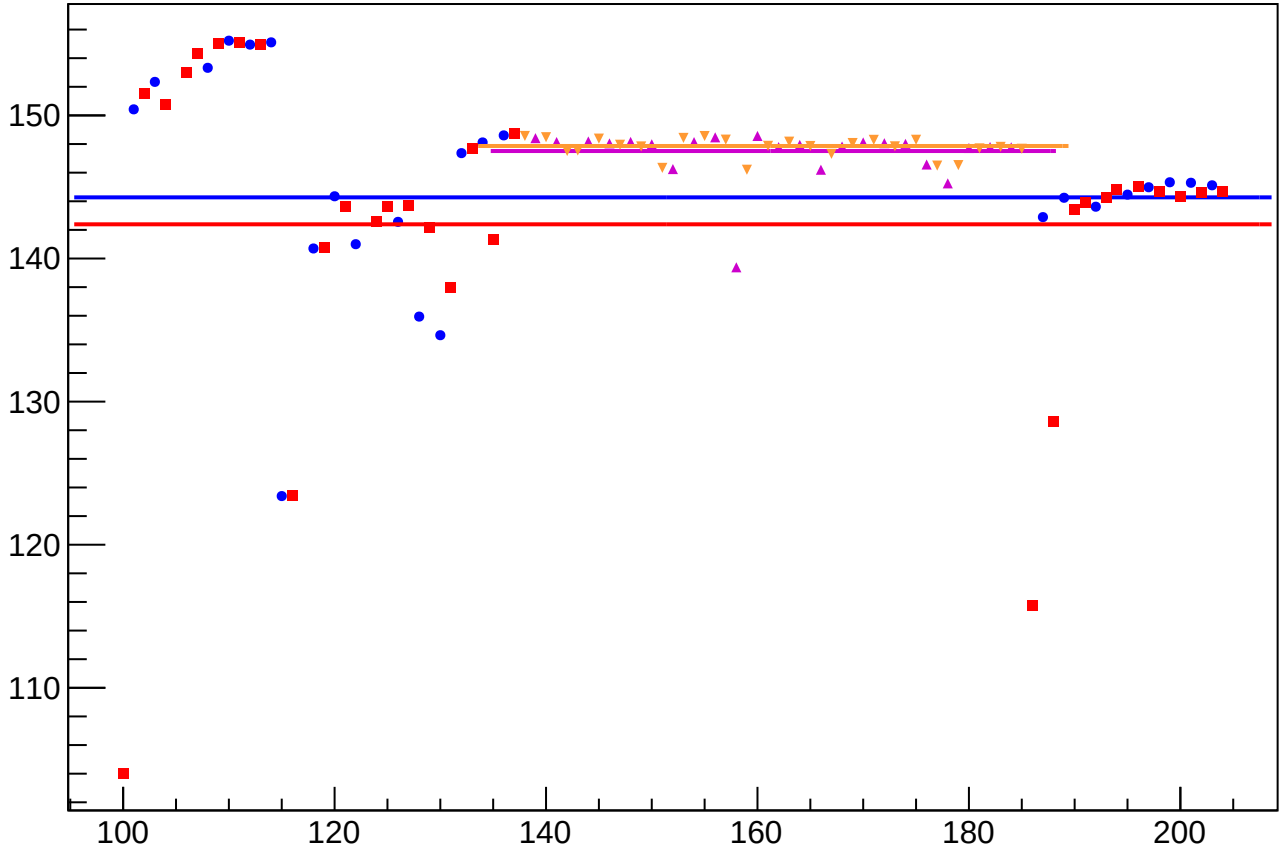
Right: 0.380+/-0.000 χ^2/NDF: 5298949.2/53

In: 0.407+/-0.000 χ^2/NDF:4685401.8/46

Out: 0.407+/-0.000 χ^2/NDF:5100428.3/54

All: 0.407+/-0.000 χ^2/NDF: 9785834.7/101

yield_bcm_an_us_mean vs Slug, Sign Corrected



Right In: 144.274+/-0.000 χ^2/NDF: 3738017721.3/23

Left Out: 147.864+/-0.000 χ^2/NDF:44922014.2/24

Right Out: 142.391+/-0.000 χ^2/NDF: 7536156499.4/29

Left In: 147.511+/-0.000 χ^2/NDF:306421789.5/22

Left: 147.695+/-0.000 χ^2/NDF: 357135734.4/47

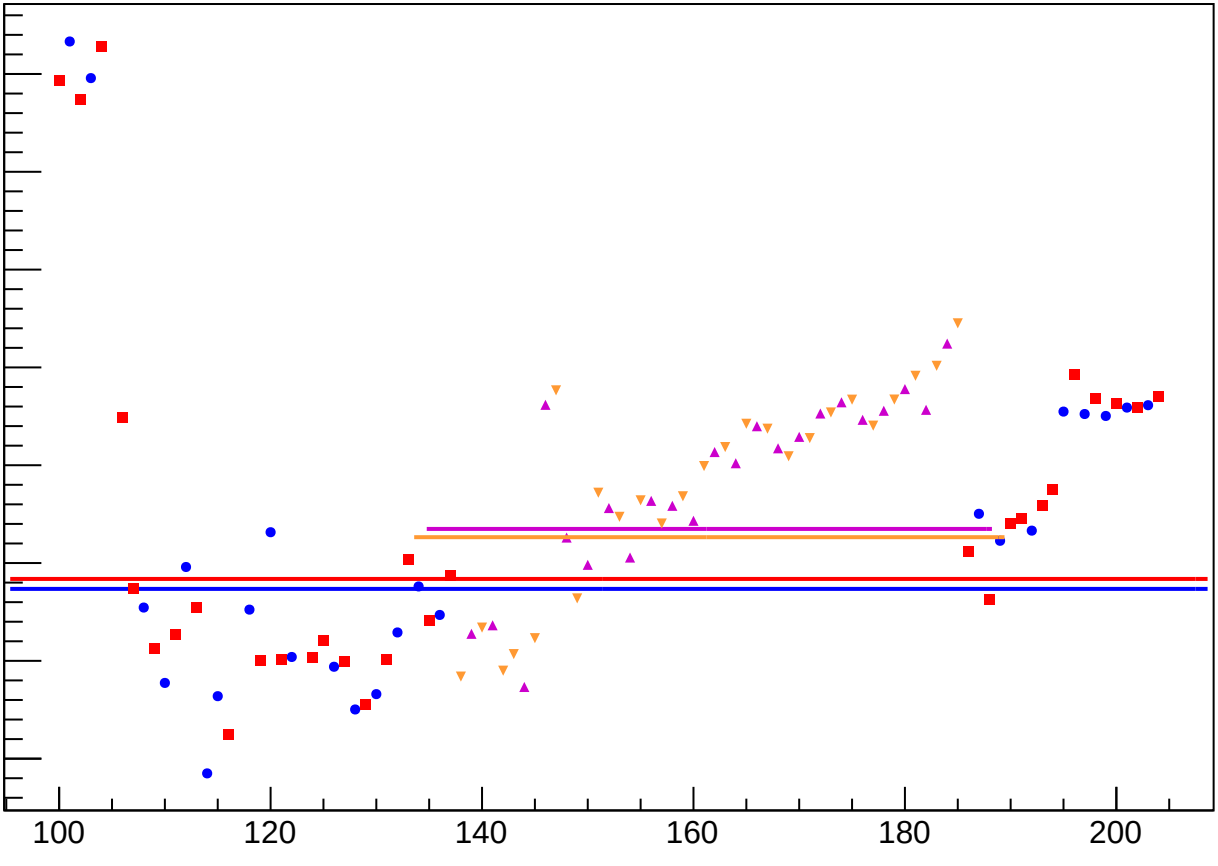
Right: 143.275+/-0.000 χ^2/NDF: 11422377714.3/53

In: 145.993+/-0.000 χ^2/NDF:4482627782.0/46

Out: 145.245+/-0.000 χ^2/NDF:8971897808.6/54

All: 145.600+/-0.000 χ^2/NDF: 13503935016.

yield_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 0.374+/-0.000 χ^2/NDF: 2621606.2/23

Left Out: 0.426+/-0.000 χ^2/NDF:2259192.5/24

Right Out: 0.384+/-0.000 χ^2/NDF: 2678125.3/29

Left In: 0.435+/-0.000 χ^2/NDF:1774903.7/22

Left: 0.430+/-0.000 χ^2/NDF: 4040738.3/47

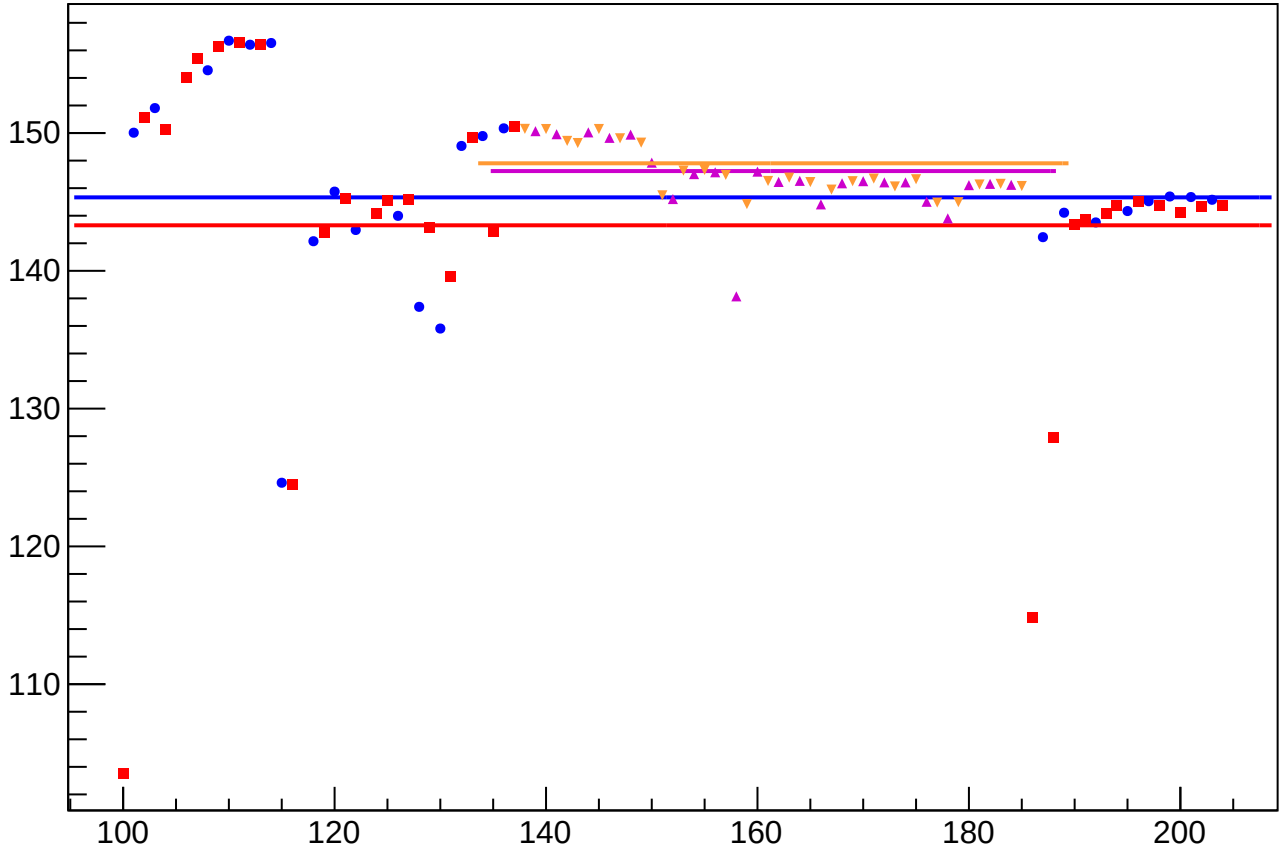
Right: 0.379+/-0.000 χ^2/NDF: 5308403.4/53

In: 0.406+/-0.000 χ^2/NDF:4710928.7/46

Out: 0.406+/-0.000 χ^2/NDF:5106389.0/54

All: 0.406+/-0.000 χ^2/NDF: 9817320.4/101

yield_bcm_dg_us_mean vs Slug, Sign Corrected



Right In: 145.332+/-0.000 χ^2/NDF: 3515066958.2/23

Left Out: 147.804+/-0.000 χ^2/NDF:327059704.2/24

Right Out: 143.304+/-0.000 χ^2/NDF: 7610856763.2/29

Left In: 147.241+/-0.000 χ^2/NDF:618679483.9/22

Left: 147.533+/-0.000 χ^2/NDF: 959733428.8/47

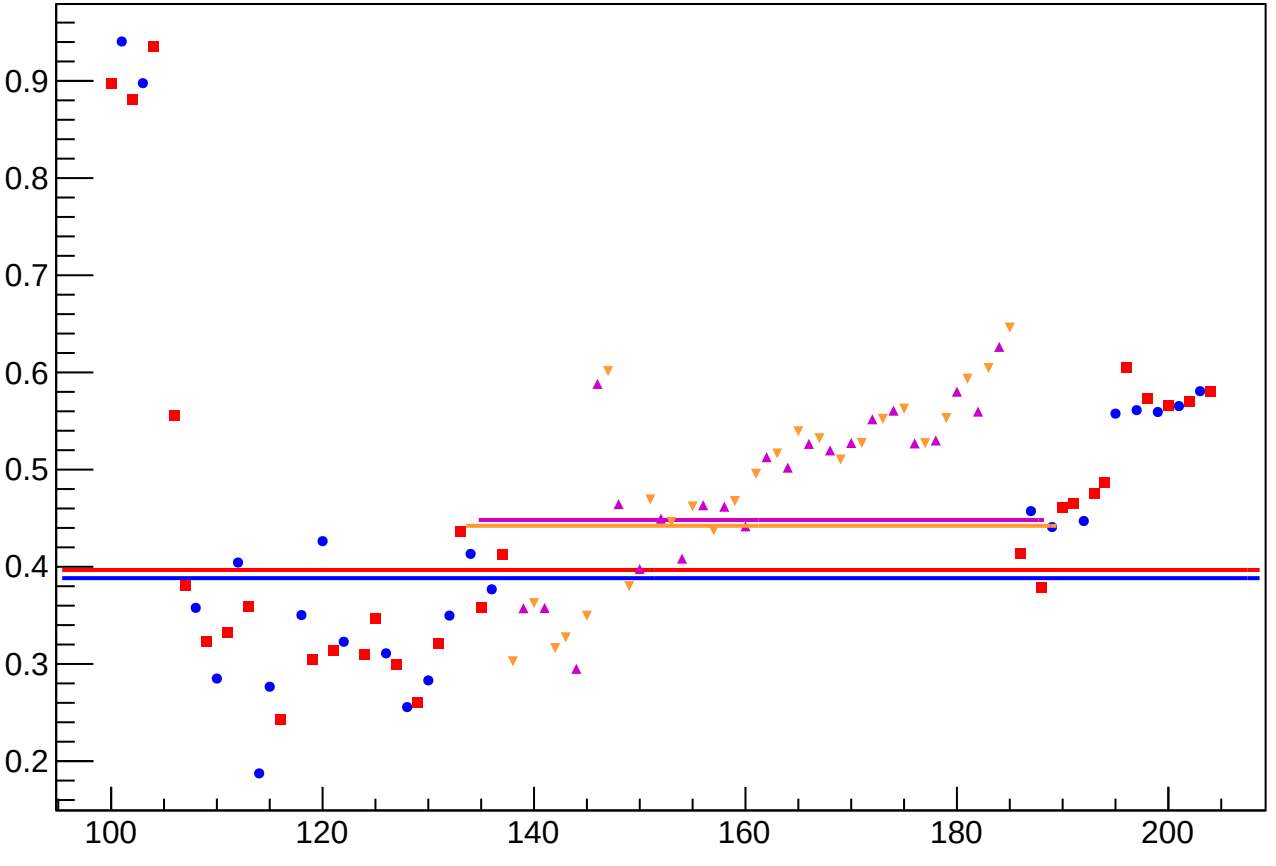
Right: 144.251+/-0.000 χ^2/NDF: 11286107969.4/53

In: 146.359+/-0.000 χ^2/NDF:4276894521.6/46

Out: 145.657+/-0.000 χ^2/NDF:8821358599.3/54

All: 145.990+/-0.000 χ^2/NDF: 13139102464.

yield_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 0.388+/-0.000 χ^2/NDF: 2497456.8/23

Left Out: 0.442+/-0.000 χ^2/NDF:1704199.1/24

Right Out: 0.397+/-0.000 χ^2/NDF: 2559366.9/29

Left In: 0.448+/-0.000 χ^2/NDF:1347802.9/22

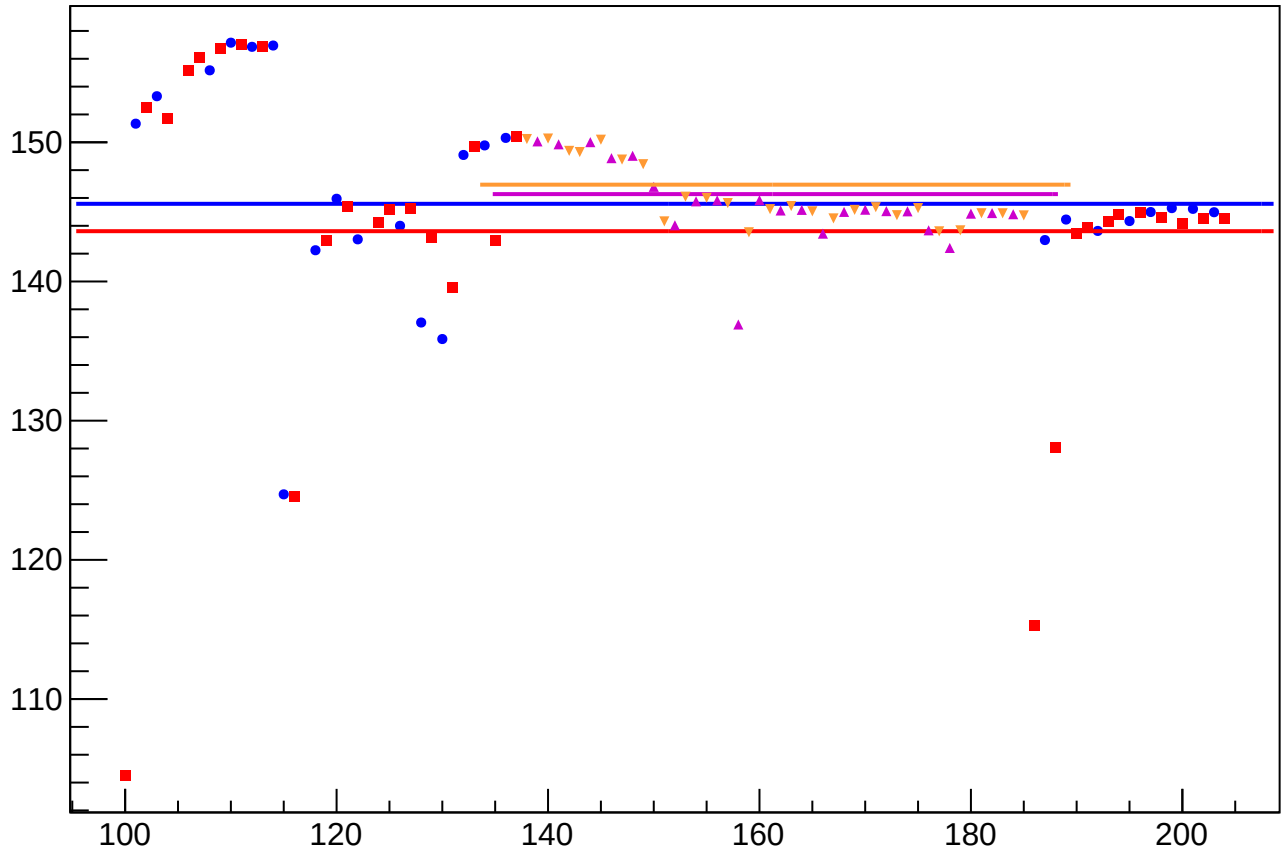
Left: 0.445+/-0.000 χ^2/NDF: 3055136.8/47

Right: 0.393+/-0.000 χ^2/NDF: 5062340.6/53

In: 0.420+/-0.000 χ^2/NDF:4126630.2/46

Out: 0.420+/-0.000 χ^2/NDF:4443828.8/54

All: 0.420+/-0.000 χ^2/NDF: 8570459.0/101



Right In: 145.580+/-0.000 χ^2/NDF: 3661897598.5/23

Left Out: 146.956+/-0.000 χ^2/NDF:542800379.5/24

Right Out: 143.614+/-0.000 χ^2/NDF: 7672643324.2/29

Left In: 146.278+/-0.000 χ^2/NDF:825161532.5/22

Left: 146.630+/-0.000 χ^2/NDF: 1388188459.0/47

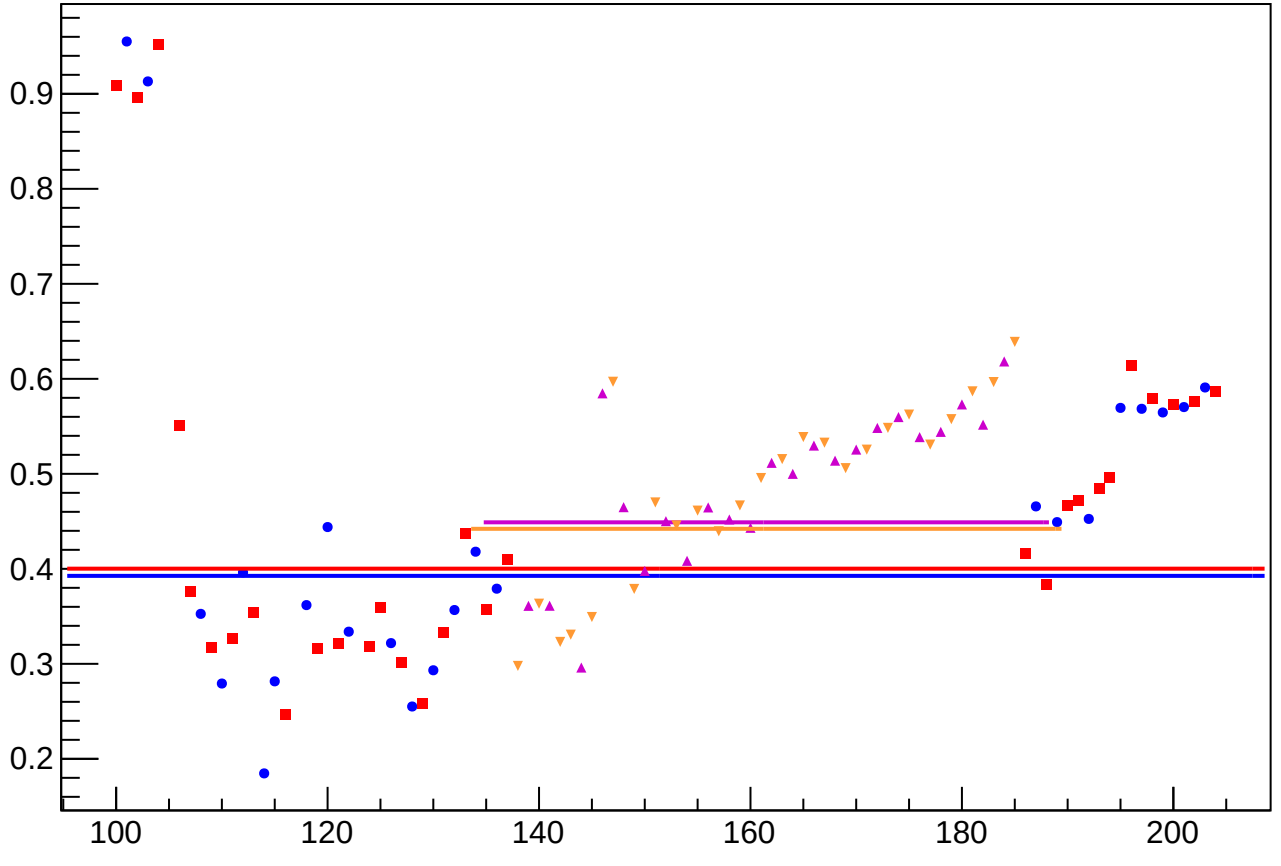
Right: 144.529+/-0.000 χ^2/NDF: 11481708278.1/53

In: 145.959+/-0.000 χ^2/NDF:4505900339.3/46

Out: 145.378+/-0.000 χ^2/NDF:8697534918.9/54

All: 145.654+/-0.000 χ^2/NDF: 13231129533.

yield_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 0.393+/-0.000 χ^2/NDF: 2535081.6/23

Left Out: 0.442+/-0.000 χ^2/NDF:1676682.9/24

Right Out: 0.400+/-0.000 χ^2/NDF: 2583625.7/29

Left In: 0.449+/-0.000 χ^2/NDF:1300658.3/22

Left: 0.445+/-0.000 χ^2/NDF: 2981452.0/47

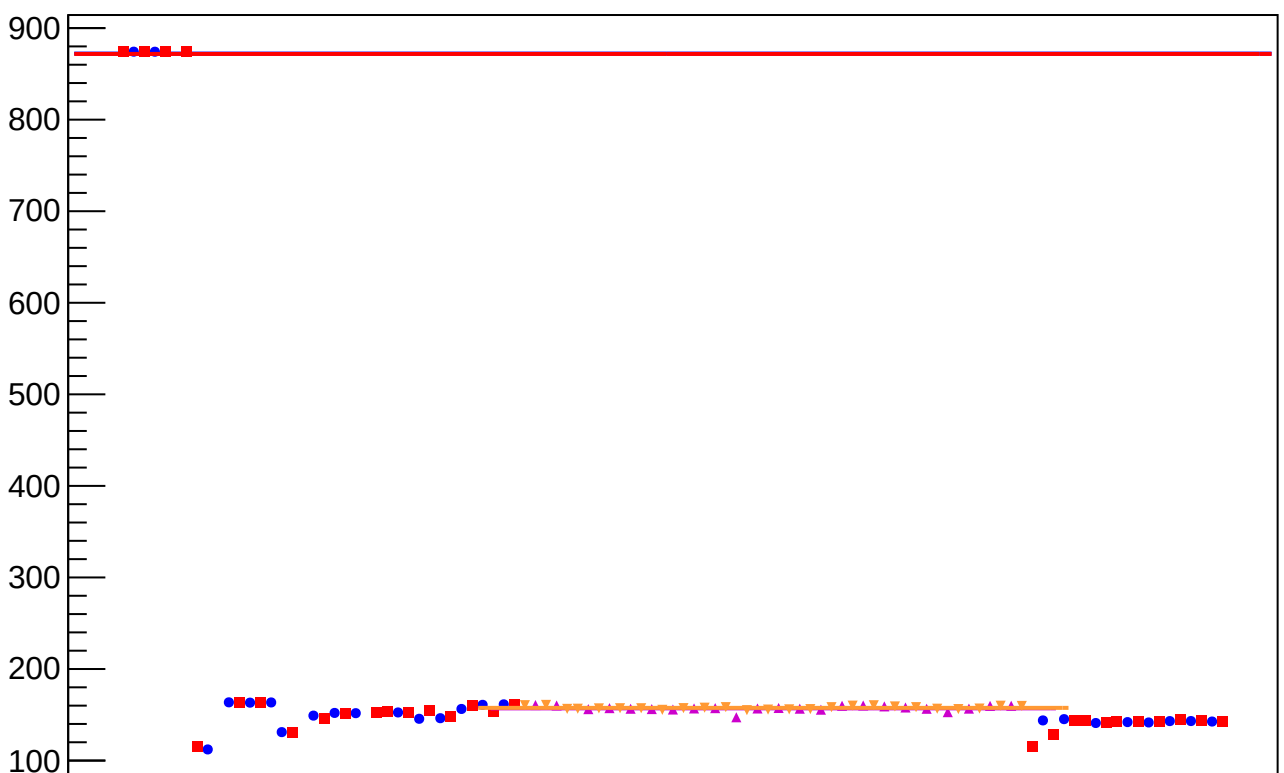
Right: 0.397+/-0.000 χ^2/NDF: 5123081.9/53

In: 0.423+/-0.000 χ^2/NDF:4081633.3/46

Out: 0.422+/-0.000 χ^2/NDF:4412168.9/54

All: 0.423+/-0.000 χ^2/NDF: 8493935.4/101

yield_cav4bQ_mean vs Slug, Sign Corrected



Right In: 872.149+/-0.000 χ^2/NDF: 10691126424386.2/23

Left Out: 157.566+/-0.000 χ^2/NDF:104641292.0/24

Right Out: 871.777+/-0.000 χ^2/NDF: 14588226899165.8/29

Left In: 157.013+/-0.000 χ^2/NDF:239819941.9/22

Left: 157.295+/-0.000 χ^2/NDF: 349528490.6/47

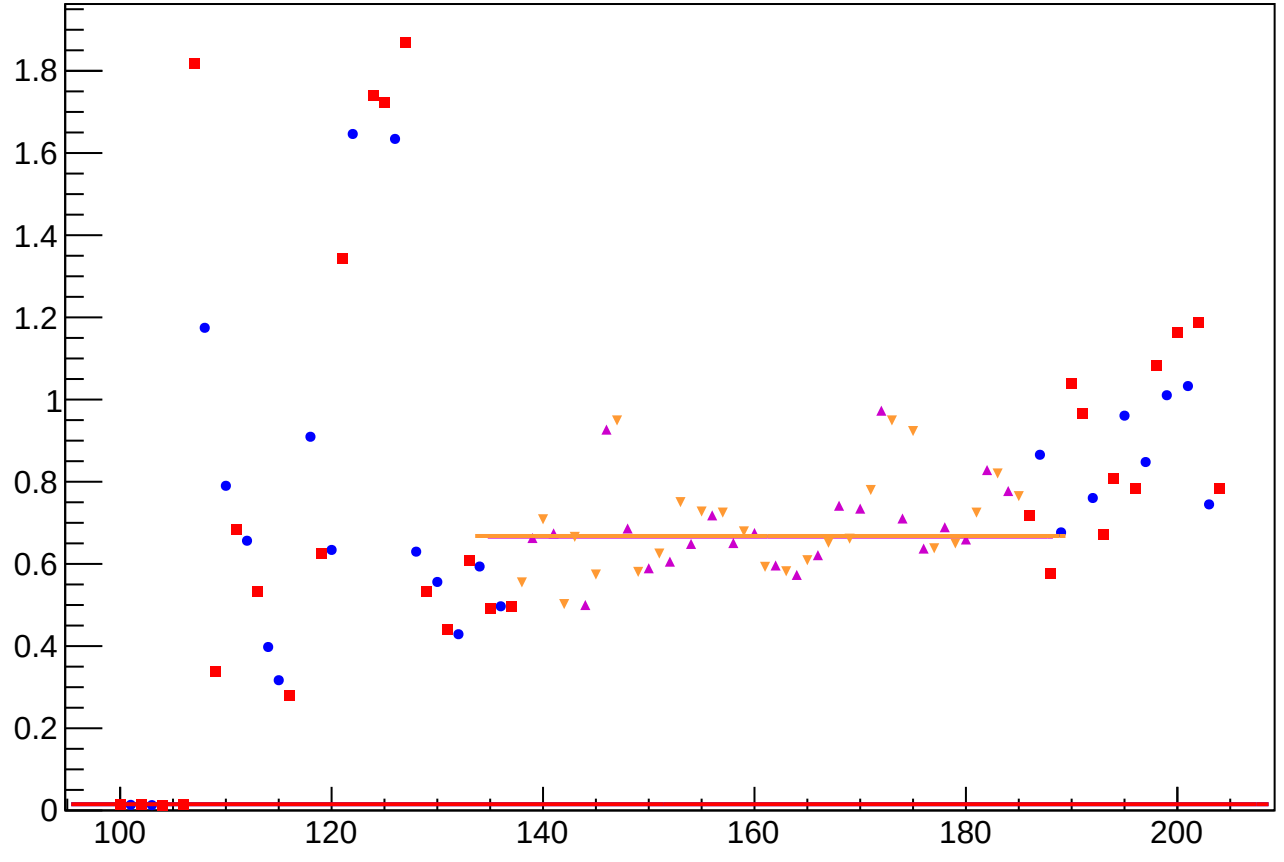
Right: 871.950+/-0.000 χ^2/NDF: 25279881231311.

In: 868.914+/-0.000 χ^2/NDF:27190858875278.0/

Out: 868.845+/-0.000 χ^2/NDF:31799846546262.7

All: 868.877+/-0.000 χ^2/NDF: 589907234661

yield_cav4bQ_rms vs Slug, Sign Corrected



Right In: 0.015+/-0.000 χ^2/NDF: 18649854.4/23

Left Out: 0.668+/-0.000 χ^2/NDF:681720.2/24

Right Out: 0.015+/-0.000 χ^2/NDF: 22026435.4/29

Left In: 0.666+/-0.000 χ^2/NDF:536078.9/22

Left: 0.667+/-0.000 χ^2/NDF: 1217874.8/47

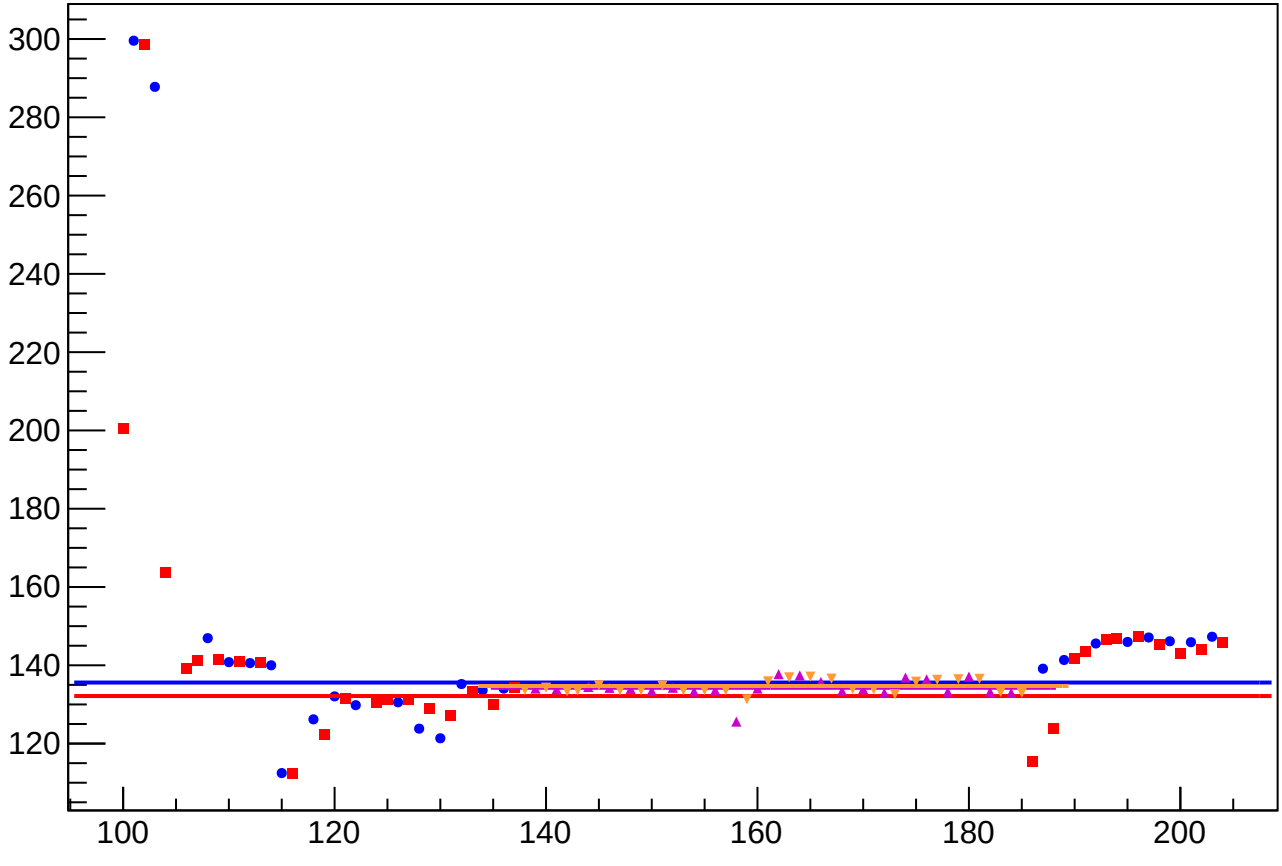
Right: 0.015+/-0.000 χ^2/NDF: 40676304.5/53

In: 0.018+/-0.000 χ^2/NDF:46558769.7/46

Out: 0.018+/-0.000 χ^2/NDF:51465408.0/54

All: 0.018+/-0.000 χ^2/NDF: 98024558.5/101

yield_cav4cQ_mean vs Slug, Sign Corrected



Right In: 135.595+/-0.000 χ^2/NDF: 3235568054.7/23

Left Out: 134.714+/-0.000 χ^2/NDF:159886495.0/24

Right Out: 132.146+/-0.000 χ^2/NDF: 4689544671.5/29

Left In: 134.250+/-0.000 χ^2/NDF:441522664.4/22

Left: 134.494+/-0.000 χ^2/NDF: 608238403.3/47

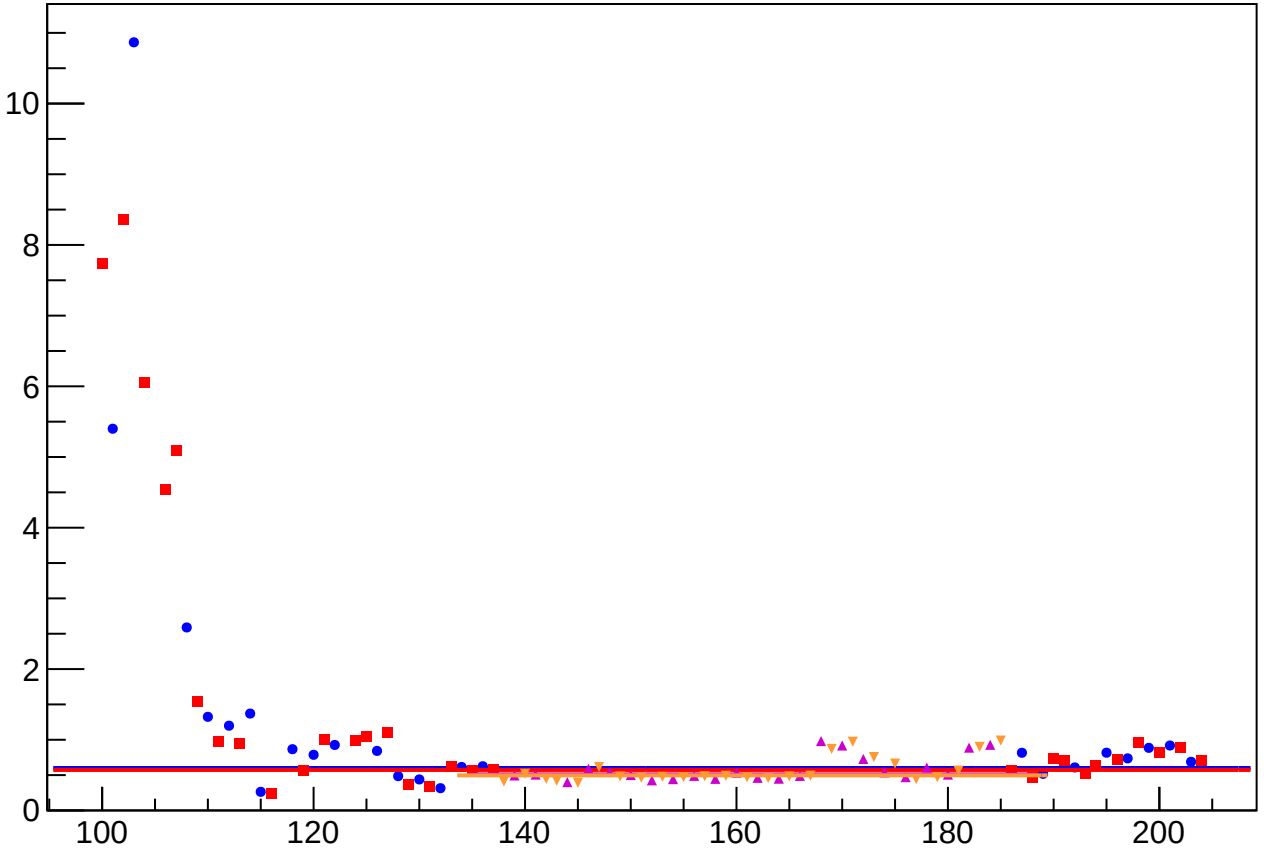
Right: 133.645+/-0.000 χ^2/NDF: 8078504379.7/53

In: 134.618+/-0.000 χ^2/NDF:3707053329.0/46

Out: 133.925+/-0.000 χ^2/NDF:4984957062.7/54

All: 134.246+/-0.000 χ^2/NDF: 8713513304.1

yield_cav4cQ_rms vs Slug, Sign Corrected



Right In: 0.601+/-0.000 χ^2/NDF: 4832771.7/23

Left Out: 0.497+/-0.000 χ^2/NDF:1572512.9/24

Right Out: 0.573+/-0.000 χ^2/NDF: 5866224.4/29

Left In: 0.510+/-0.000 χ^2/NDF:1485489.4/22

Left: 0.503+/-0.000 χ^2/NDF: 3068206.7/47

Right: 0.585+/-0.000 χ^2/NDF: 10718397.0/53

In: 0.534+/-0.000 χ^2/NDF:6592000.6/46

Out: 0.520+/-0.000 χ^2/NDF:7677275.1/54

All: 0.527+/-0.000 χ^2/NDF: 14287265.9/101

yield_cav4dQ_mean vs Slug, Sign Corrected

Right In: 1784.922+/-0.000 χ^2/NDF: 198961522269534.5/23

Left Out: 137.578+/-0.000 χ^2/NDF:64111345.2/24

Right Out: 1797.069+/-0.000 χ^2/NDF: 221990796463824.0/29

Left In: 137.349+/-0.000 χ^2/NDF:248752254.7/22

Left: 137.469+/-0.000 χ^2/NDF: 315189054.5/47

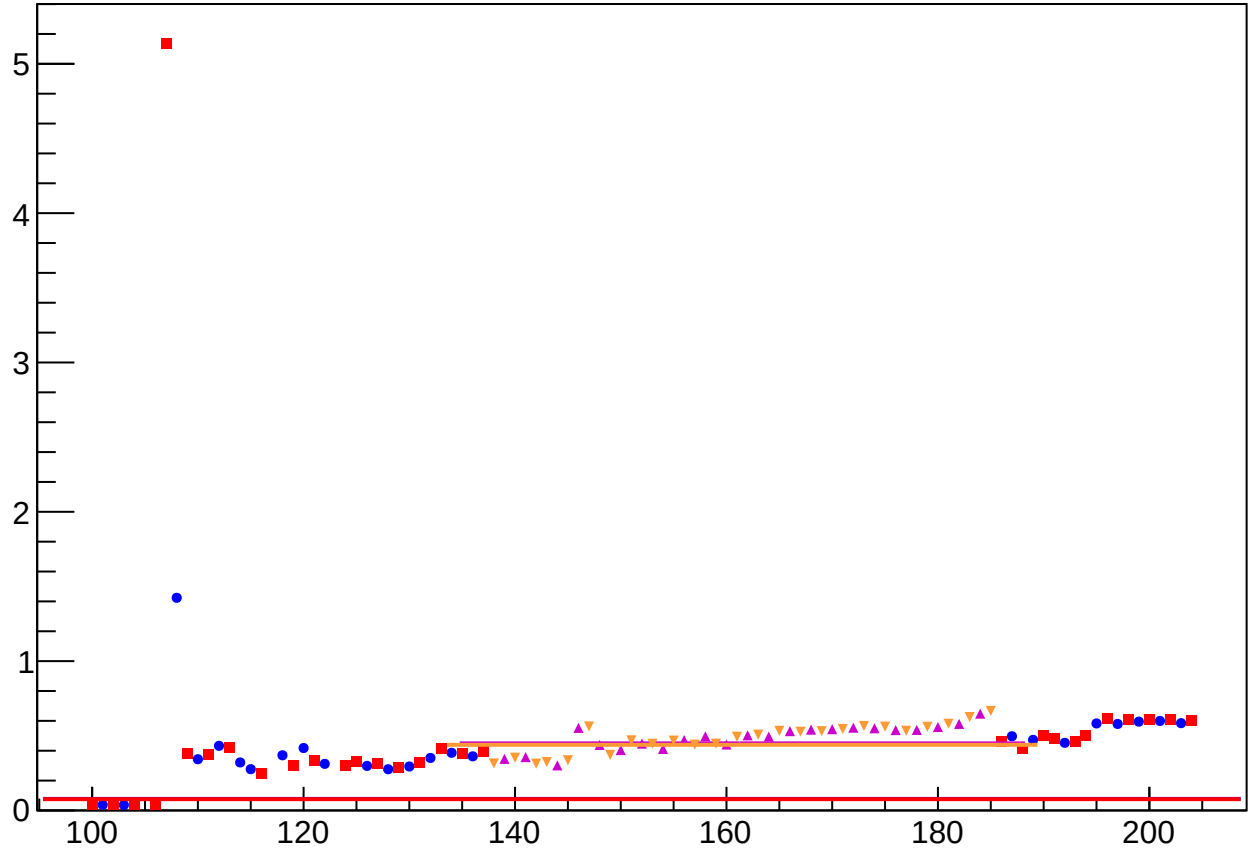
Right: 1791.489+/-0.000 χ^2/NDF: 4209993270178

In: 1577.518+/-0.000 χ^2/NDF:400367096655328.

Out: 1601.155+/-0.000 χ^2/NDF:447493111692751

All: 1590.244+/-0.000 χ^2/NDF: 8480630461

yield_cav4dQ_rms vs Slug, Sign Corrected



Right In: 0.077+/-0.000 χ^2/NDF: 16763548.3/23

Left Out: 0.440+/-0.000 χ^2/NDF:1765604.0/24

Right Out: 0.076+/-0.000 χ^2/NDF: 19495127.0/29

Left In: 0.449+/-0.000 χ^2/NDF:1340860.2/22

Left: 0.444+/-0.000 χ^2/NDF: 3114822.4/47

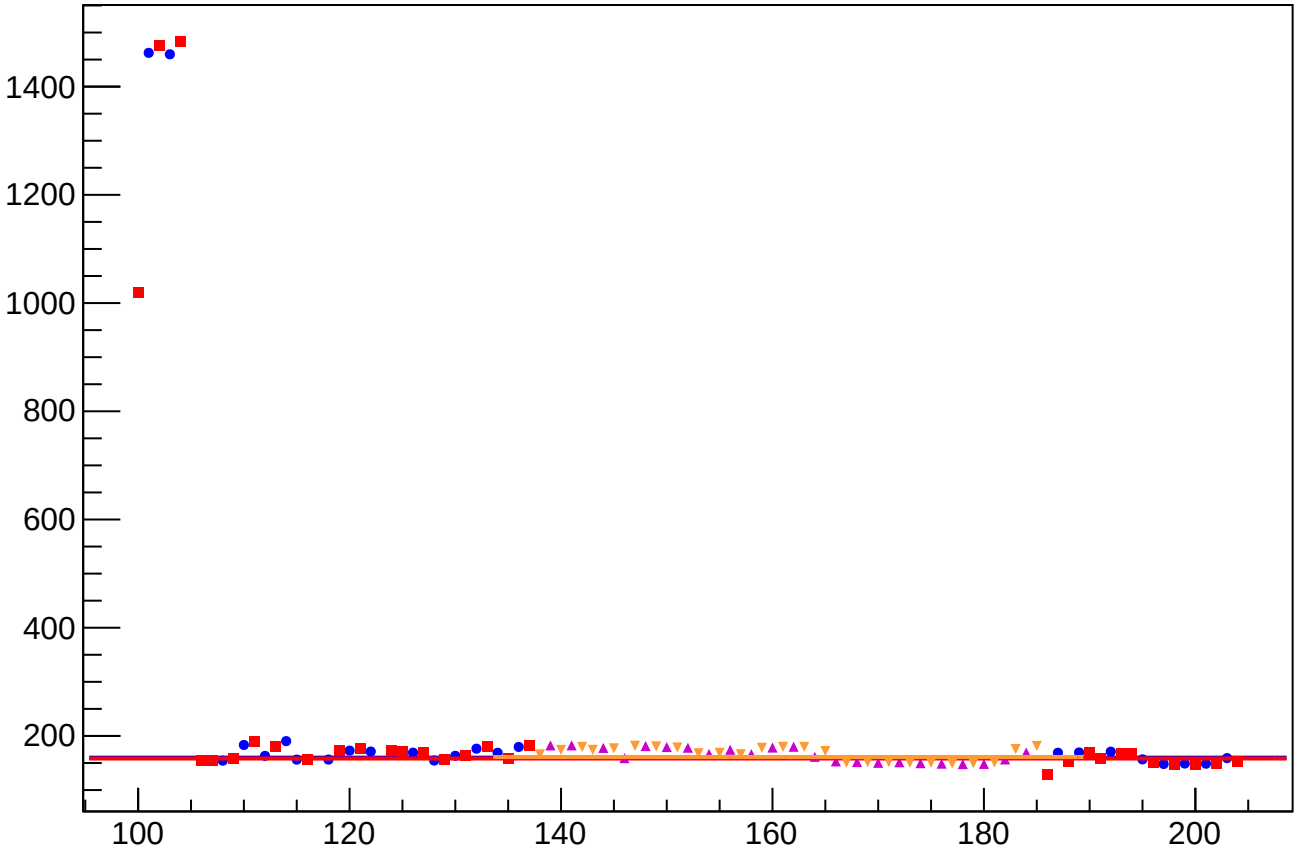
Right: 0.076+/-0.000 χ^2/NDF: 36260044.2/53

In: 0.124+/-0.000 χ^2/NDF:38641239.1/46

Out: 0.119+/-0.000 χ^2/NDF:42932400.8/54

All: 0.121+/-0.000 χ^2/NDF: 81594429.9/101

yield_bcm0l02_mean vs Slug, Sign Corrected



Right In: 159.899+/-0.000 χ^2/NDF: 15735390759.2/23

Left Out: 161.147+/-0.000 χ^2/NDF:3739064587.8/24

Right Out: 158.285+/-0.000 χ^2/NDF: 18162557705.1/29

Left In: 160.140+/-0.000 χ^2/NDF:3738383186.1/22

Left: 160.653+/-0.000 χ^2/NDF: 7489655459.9/47

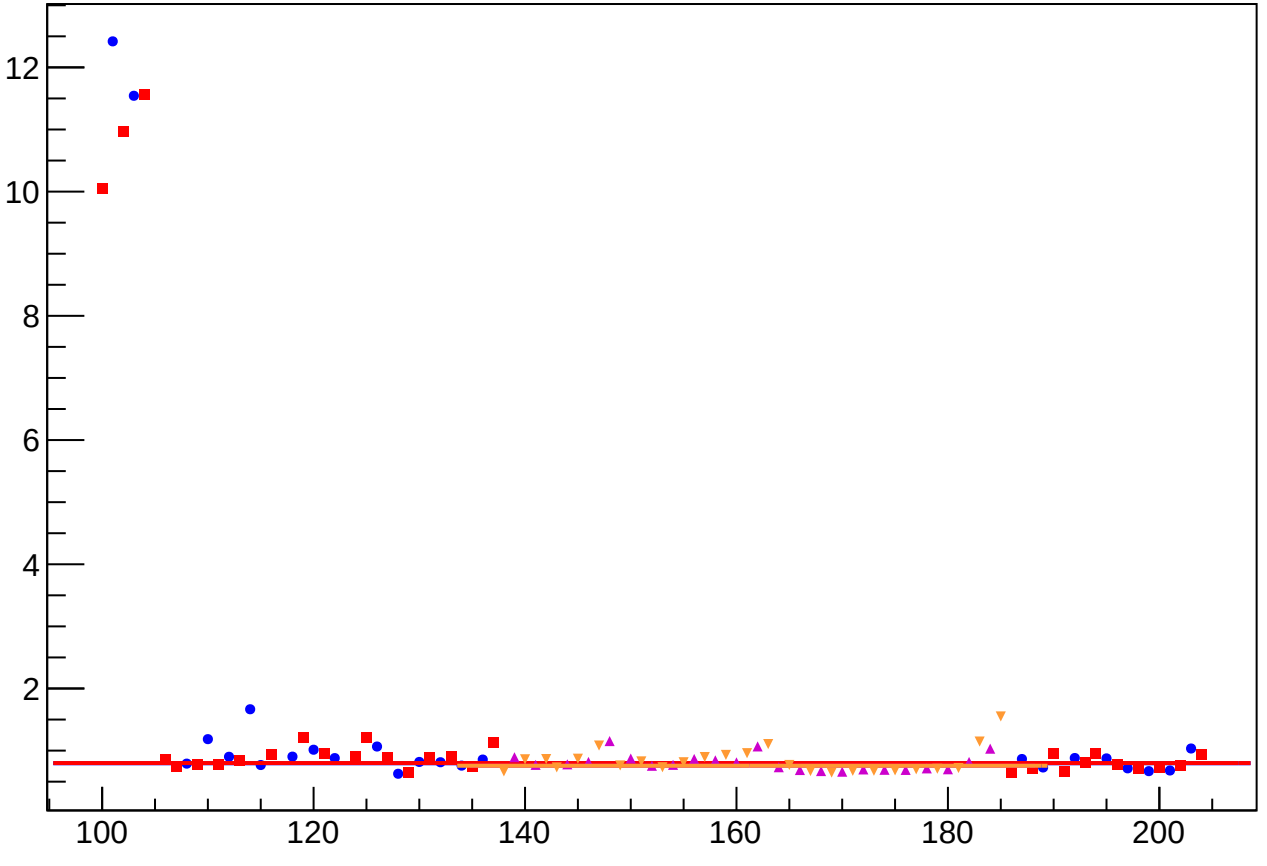
Right: 159.021+/-0.000 χ^2/NDF: 33917476161.5/53

In: 160.051+/-0.000 χ^2/NDF:19474275796.6/46

Out: 159.998+/-0.000 χ^2/NDF:21982238873.5/54

All: 160.024+/-0.000 χ^2/NDF: 41456568900.

yield_bcm0l02_rms vs Slug, Sign Corrected



Right In: 0.796+/-0.000 χ^2/NDF: 2558808.4/23

Left Out: 0.756+/-0.000 χ^2/NDF:750259.3/24

Right Out: 0.800+/-0.000 χ^2/NDF: 2453017.4/29

Left In: 0.755+/-0.000 χ^2/NDF:472792.1/22

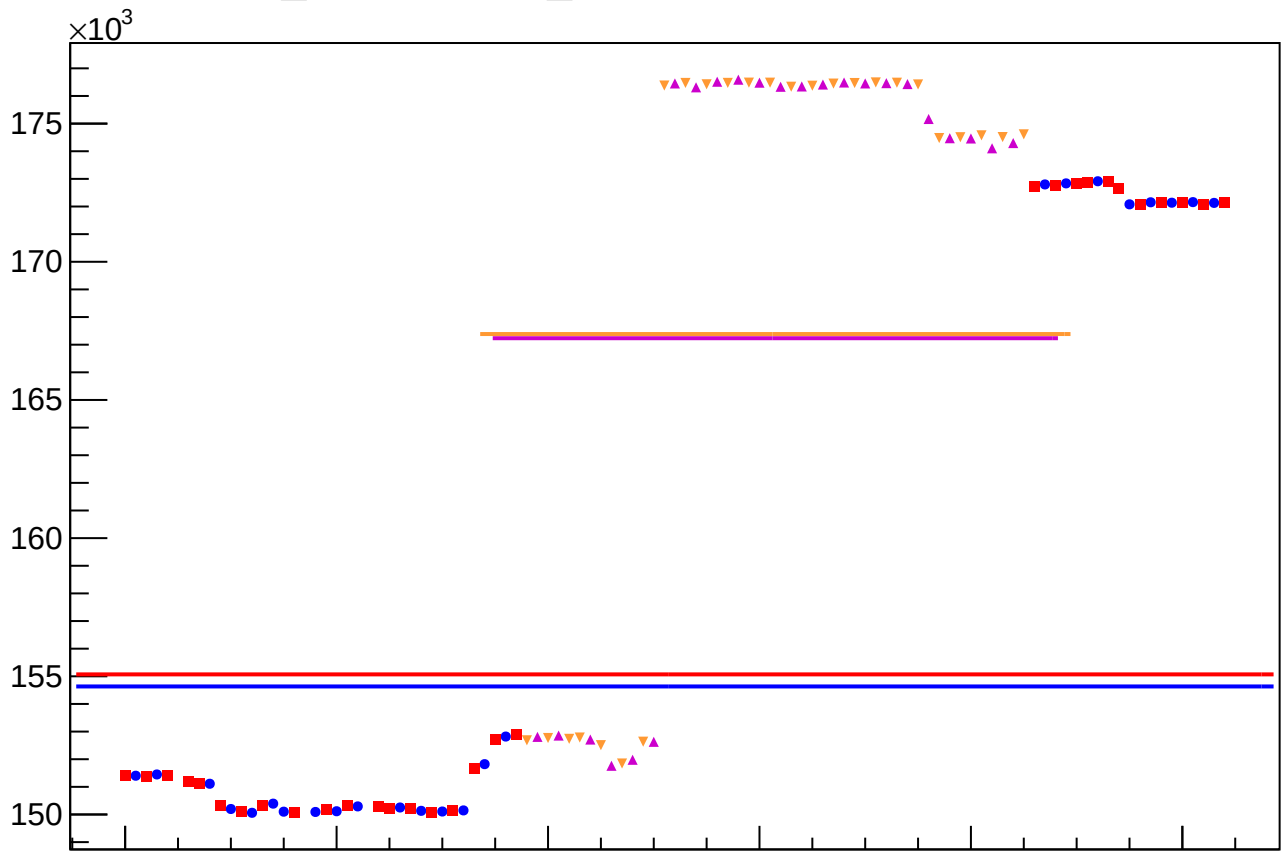
Left: 0.756+/-0.000 χ^2/NDF: 1223069.5/47

Right: 0.798+/-0.000 χ^2/NDF: 5012010.8/53

In: 0.770+/-0.000 χ^2/NDF:3060406.2/46

Out: 0.774+/-0.000 χ^2/NDF:3240257.6/54

All: 0.772+/-0.000 χ^2/NDF: 6301080.7/101



Right In: 154633.107+/-0.049 χ^2/NDF: 29933703709.2/23

Left Out: 167385.483+/-0.047 χ^2/NDF:59602607546.2/24

Right Out: 155069.740+/-0.045 χ^2/NDF: 38151226546.1/29

Left In: 167234.214+/-0.049 χ^2/NDF:55099214555.0/22

Left: 167313.229+/-0.034 χ^2/NDF: 114706826739.

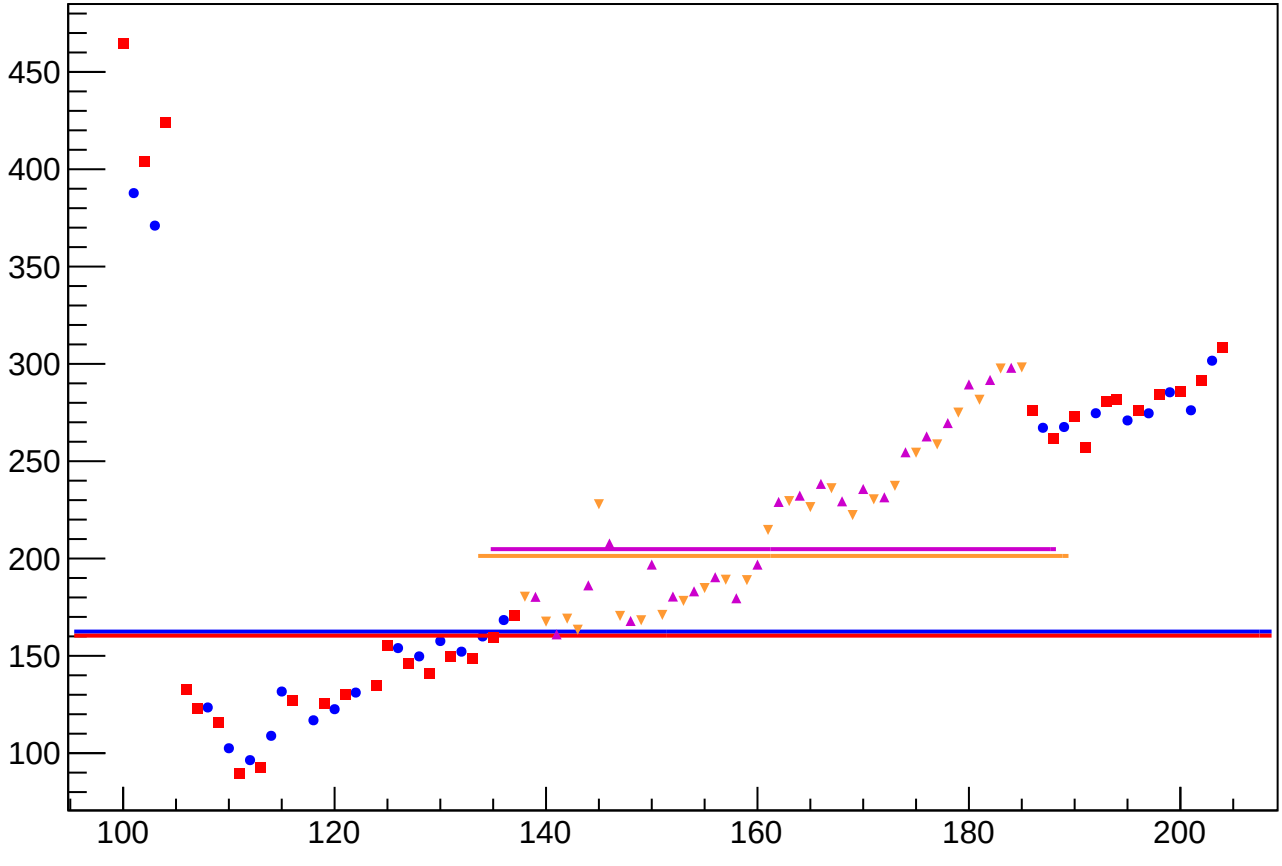
Right: 154869.044+/-0.033 χ^2/NDF: 68127396763.5

In: 160982.816+/-0.035 χ^2/NDF:118016437383.9

Out: 161053.055+/-0.033 χ^2/NDF:133464098861.

All: 161020.145+/-0.024 χ^2/NDF: 25148271

yield_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 162.461+/-0.035 χ^2/NDF: 3968729.1/23

Left Out: 201.329+/-0.033 χ^2/NDF:1230655.6/24

Right Out: 160.376+/-0.032 χ^2/NDF: 5292504.7/29

Left In: 204.826+/-0.035 χ^2/NDF:1053130.7/22

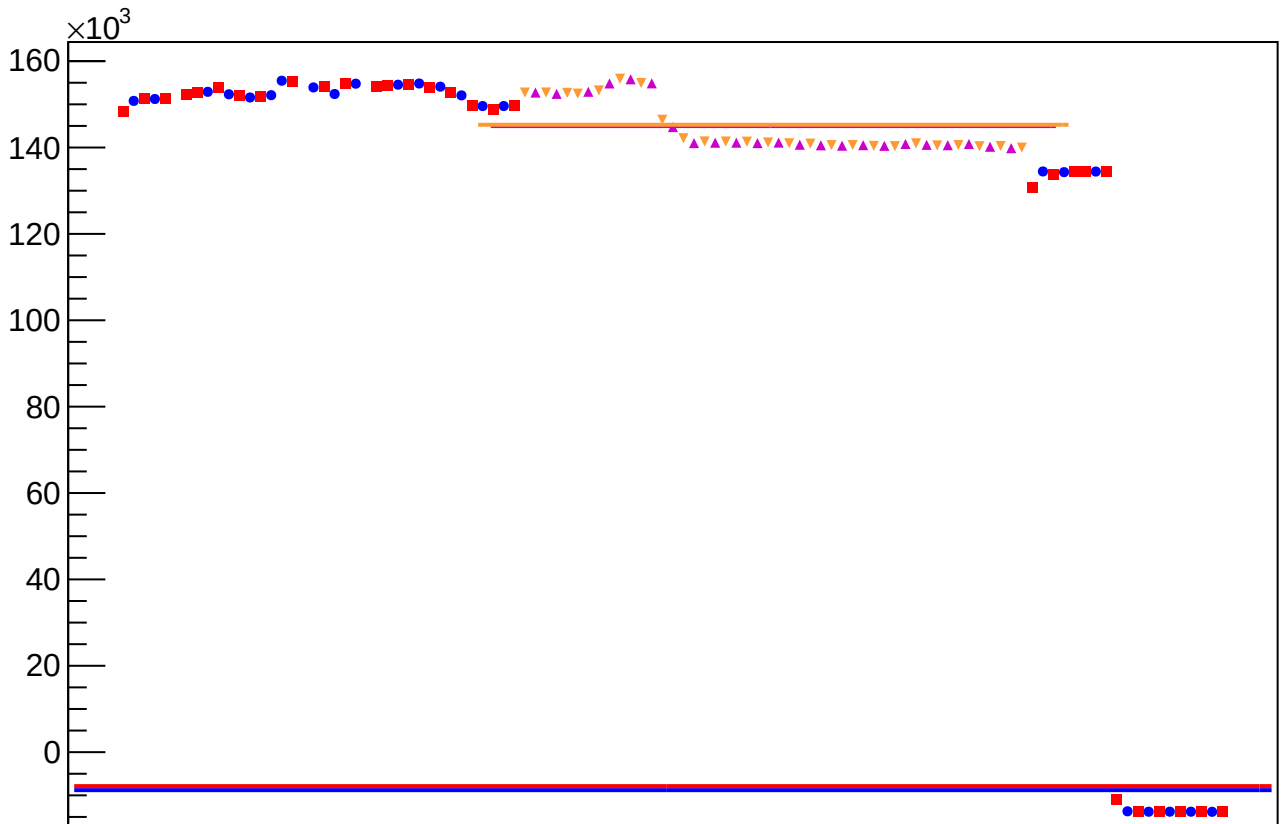
Left: 202.999+/-0.024 χ^2/NDF: 2289136.5/47

Right: 161.335+/-0.024 χ^2/NDF: 9263170.4/53

In: 183.809+/-0.025 χ^2/NDF:5767477.2/46

Out: 180.272+/-0.023 χ^2/NDF:7312851.6/54

All: 181.929+/-0.017 χ^2/NDF: 13091376.9/10



Right In: -8797.904+/-0.012 χ^2/NDF: 5802443748044.1/23

Left Out: 145269.857+/-0.049 χ^2/NDF:13706269279.5/24

Right Out: -7865.801+/-0.011 χ^2/NDF: 7054488327091.9/29

Left In: 144966.398+/-0.051 χ^2/NDF:13154547043.3/22

Left: 145123.606+/-0.036 χ^2/NDF: 26879011850.5

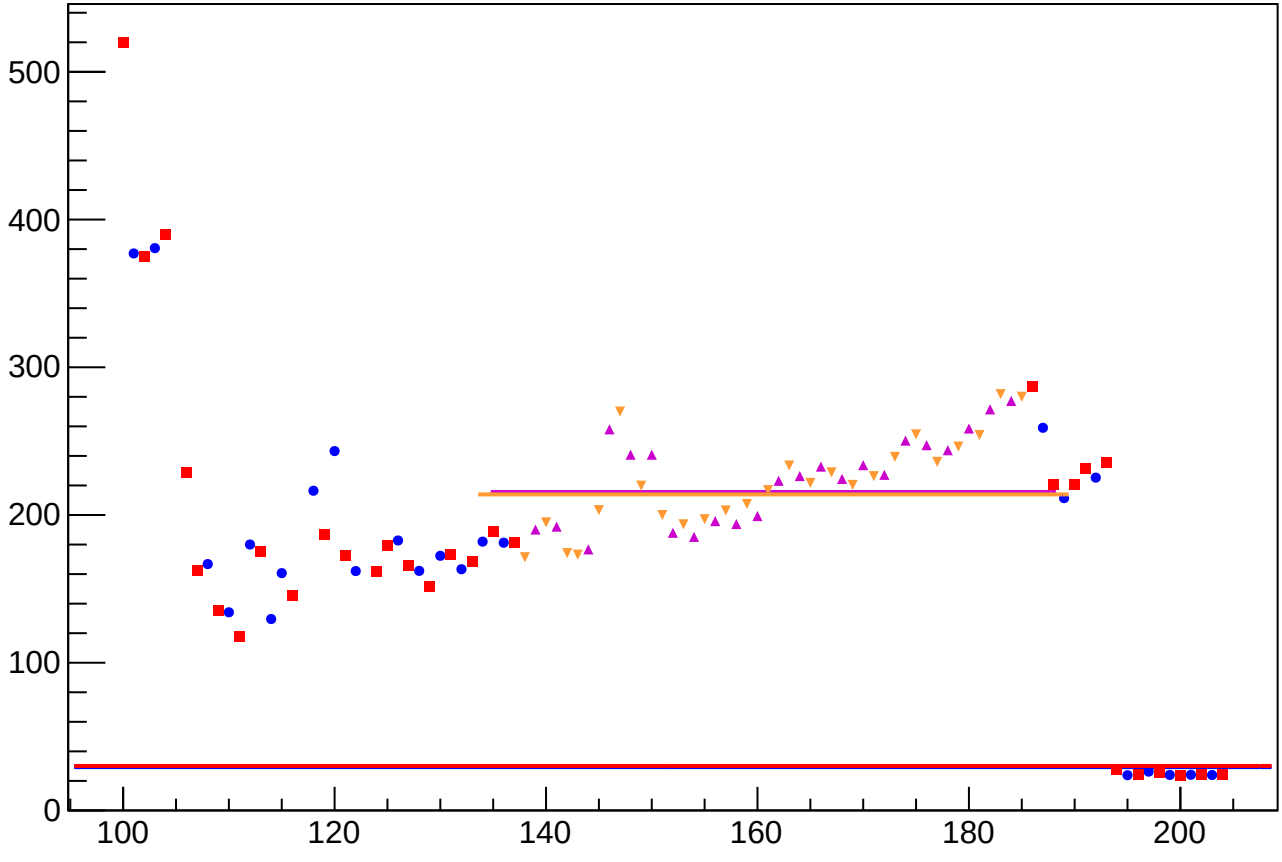
Right: -8314.859+/-0.008 χ^2/NDF: 1286023813268

In: -1205.289+/-0.011 χ^2/NDF:14388084769572.7

Out: -309.309+/-0.011 χ^2/NDF:16208077071577.7

All: -740.973+/-0.008 χ^2/NDF: 3059937524

yield_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 29.347+/-0.008 χ^2/NDF: 12516762.1/23

Left Out: 213.951+/-0.035 χ^2/NDF:650607.8/24

Right Out: 30.125+/-0.008 χ^2/NDF: 14235932.6/29

Left In: 215.539+/-0.036 χ^2/NDF:600575.7/22

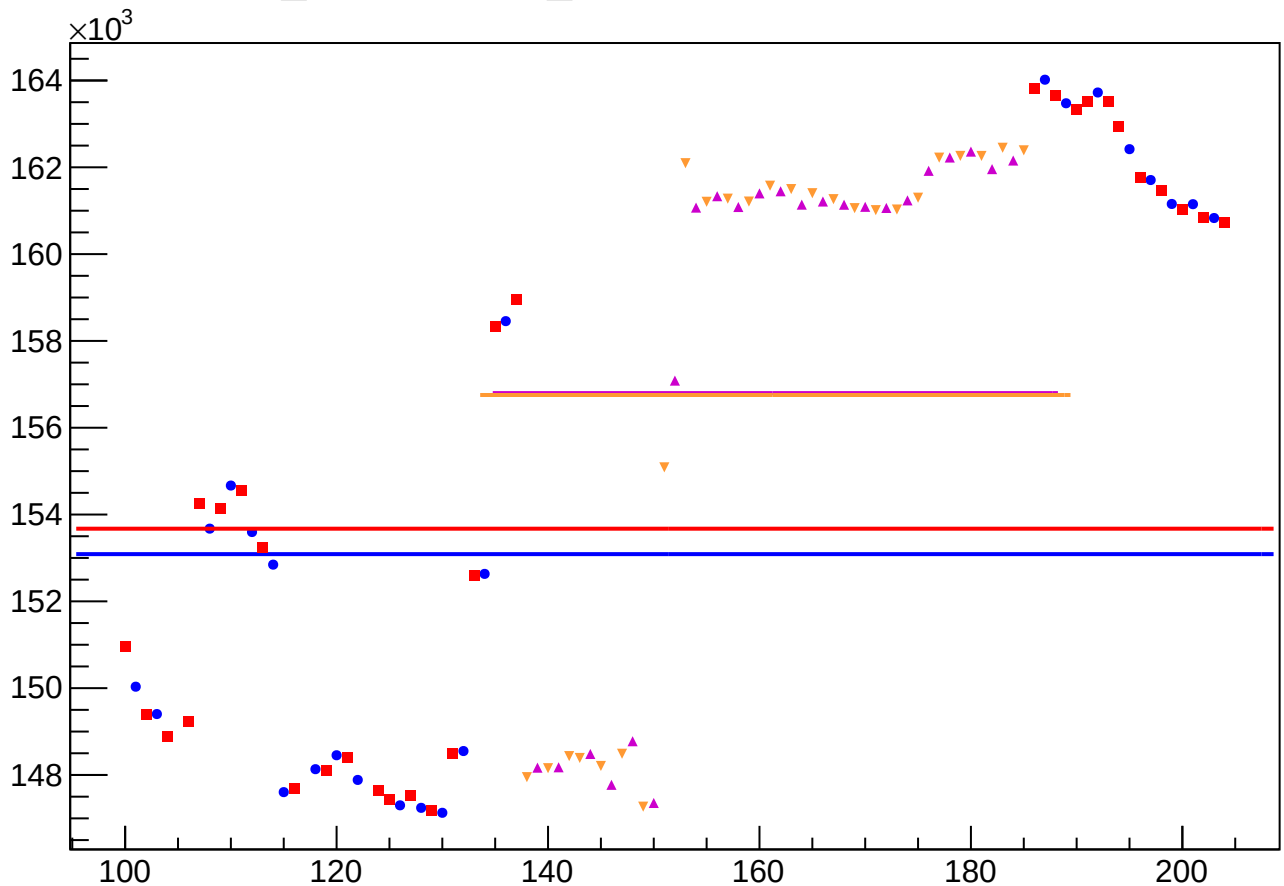
Left: 214.716+/-0.025 χ^2/NDF: 1252179.3/47

Right: 29.750+/-0.006 χ^2/NDF: 26757311.6/53

In: 38.540+/-0.008 χ^2/NDF:38256331.9/46

Out: 39.196+/-0.008 χ^2/NDF:41227424.0/54

All: 38.880+/-0.006 χ^2/NDF: 79487200.4/101



Right In: 153087.879+/-0.056 χ^2/NDF: 10140353586.7/23

Left Out: 156754.233+/-0.049 χ^2/NDF:16380807583.4/24

Right Out: 153673.961+/-0.052 χ^2/NDF: 11688165115.9/29

Left In: 156798.005+/-0.051 χ^2/NDF:14344098884.4/22

Left: 156775.103+/-0.035 χ^2/NDF: 30725292627.5

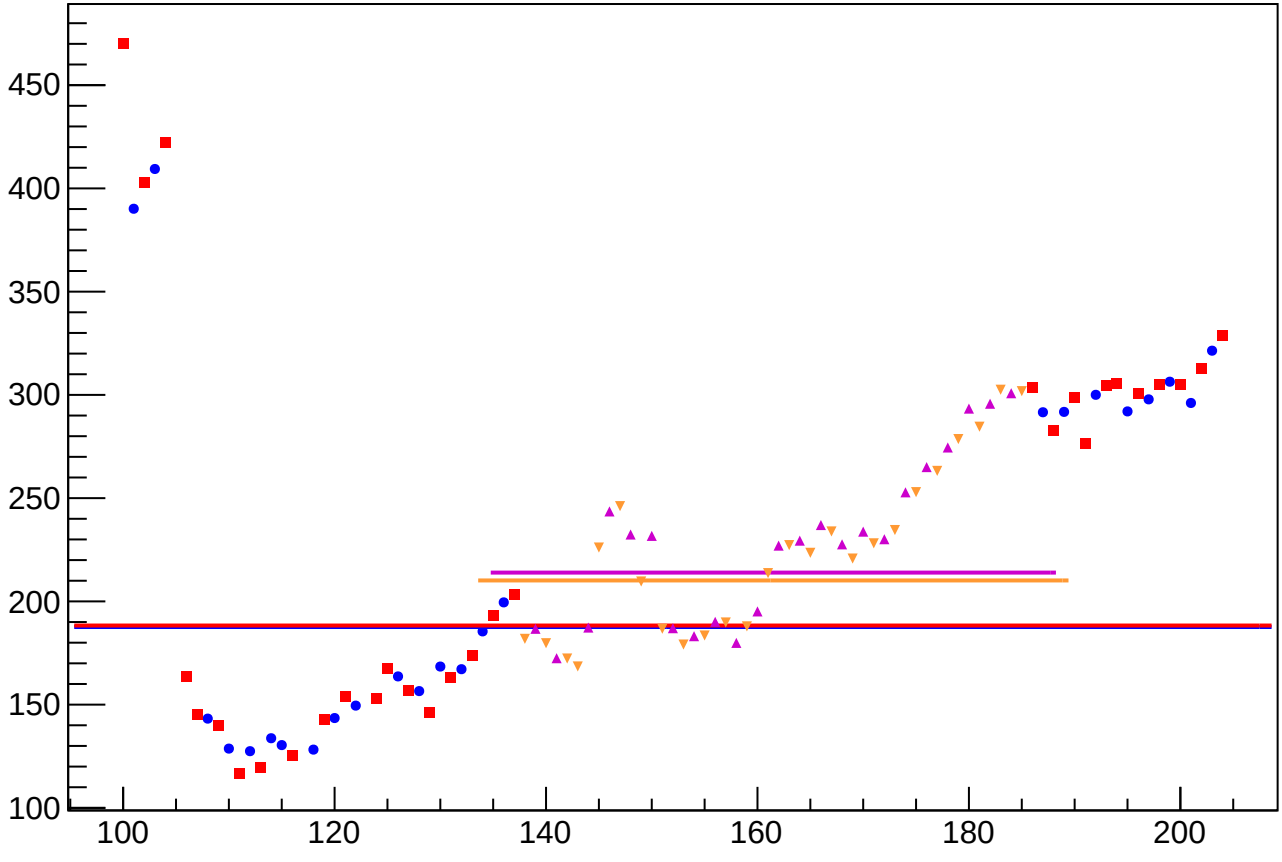
Right: 153399.954+/-0.038 χ^2/NDF: 21886804768.

In: 155118.275+/-0.038 χ^2/NDF:26885038131.7/

Out: 155331.222+/-0.036 χ^2/NDF:29921757385.5

All: 155230.594+/-0.026 χ^2/NDF: 56823630

yield_bpm0i01WS_rms vs Slug, Sign Corrected



Right In: 187.592+/-0.040 χ^2/NDF: 3327596.0/23

Left Out: 210.142+/-0.034 χ^2/NDF:997802.7/24

Right Out: 188.310+/-0.037 χ^2/NDF: 4246913.1/29

Left In: 213.945+/-0.036 χ^2/NDF:914465.3/22

Left: 211.955+/-0.025 χ^2/NDF: 1918098.0/47

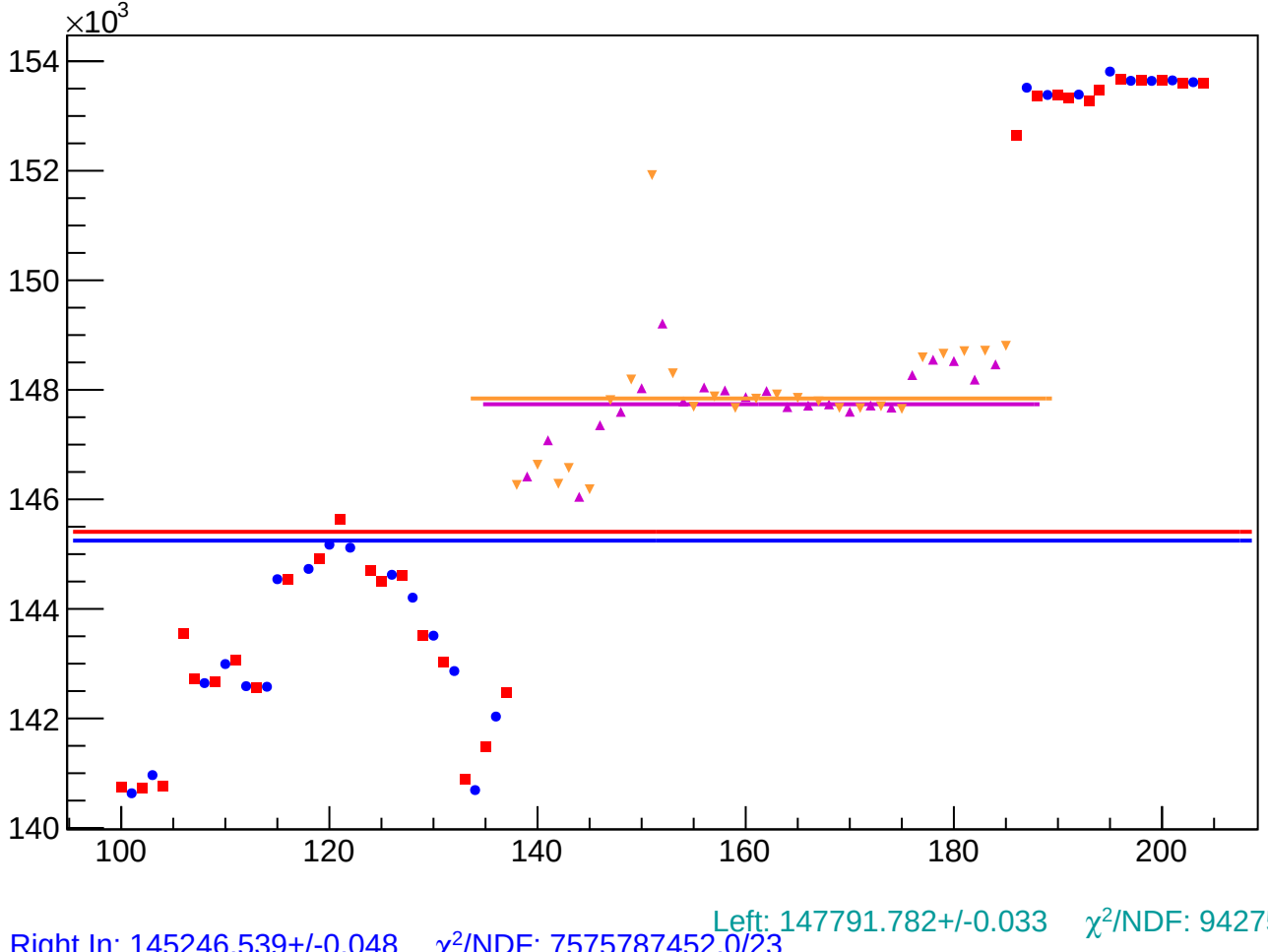
Right: 187.975+/-0.027 χ^2/NDF: 7574684.1/53

In: 202.014+/-0.027 χ^2/NDF:4484289.8/46

Out: 200.056+/-0.025 χ^2/NDF:5430860.1/54

All: 200.982+/-0.018 χ^2/NDF: 9917995.8/101

yield_bpm0i01aWS_mean vs Slug, Sign Corrected



Right In: 145246.539+/-0.048 χ^2/NDF: 7575787452.0/23

Left Out: 147842.157+/-0.045 χ^2/NDF:713066054.2/24

Right Out: 145407.714+/-0.044 χ^2/NDF: 9364844022.5/29

Left In: 147736.722+/-0.047 χ^2/NDF:227077133.0/22

Left: 147791.782+/-0.033 χ^2/NDF: 942750848.6/47

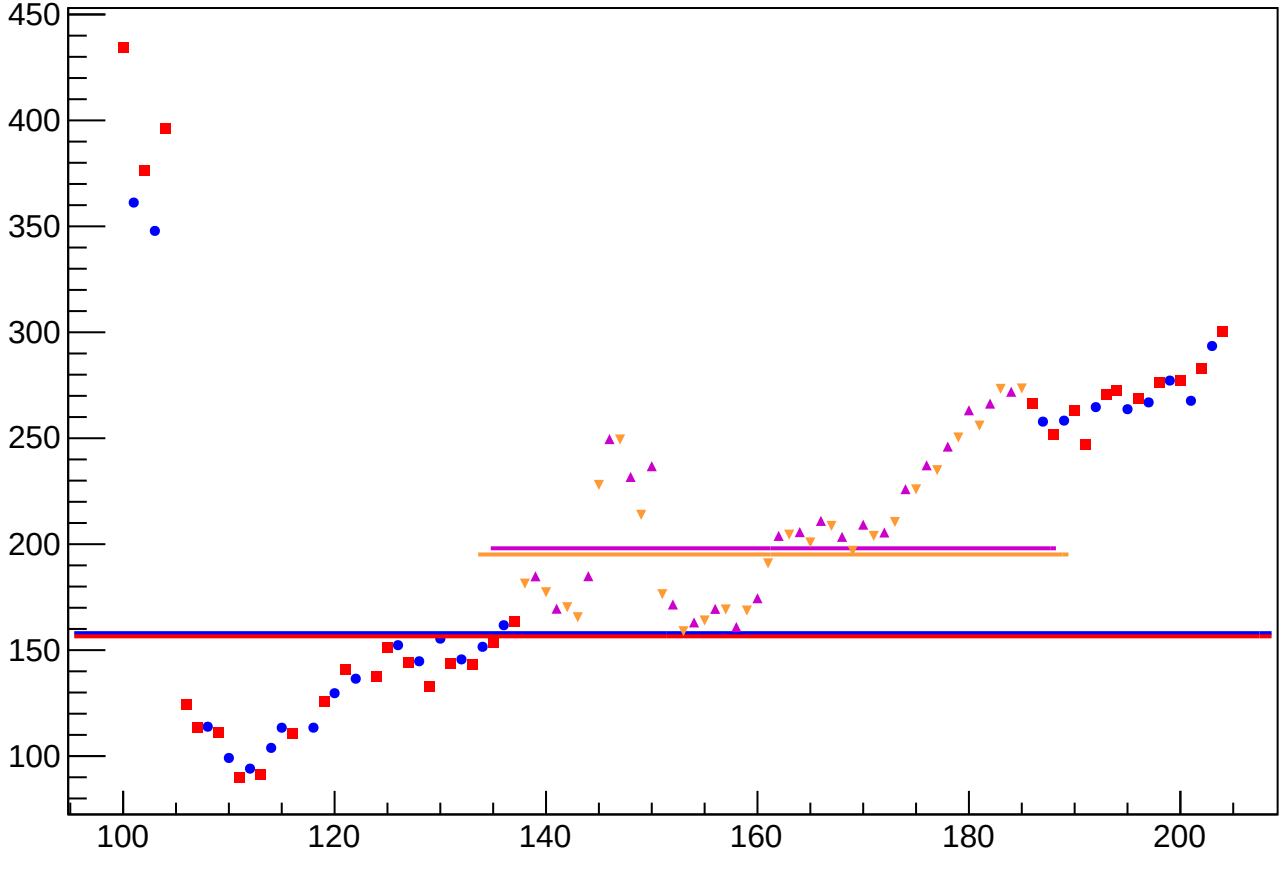
Right: 145333.515+/-0.032 χ^2/NDF: 16946745294.

In: 146509.990+/-0.034 χ^2/NDF:9175022972.2/46

Out: 146600.329+/-0.032 χ^2/NDF:11562196117.0

All: 146557.956+/-0.023 χ^2/NDF: 20741055

yield_bpm0i01aWS_rms vs Slug, Sign Corrected



Right In: 158.008+/-0.034 χ^2/NDF: 3912736.0/23

Left Out: 195.145+/-0.032 χ^2/NDF:903994.2/24

Right Out: 156.512+/-0.031 χ^2/NDF: 5155502.5/29

Left In: 198.057+/-0.033 χ^2/NDF:900359.1/22

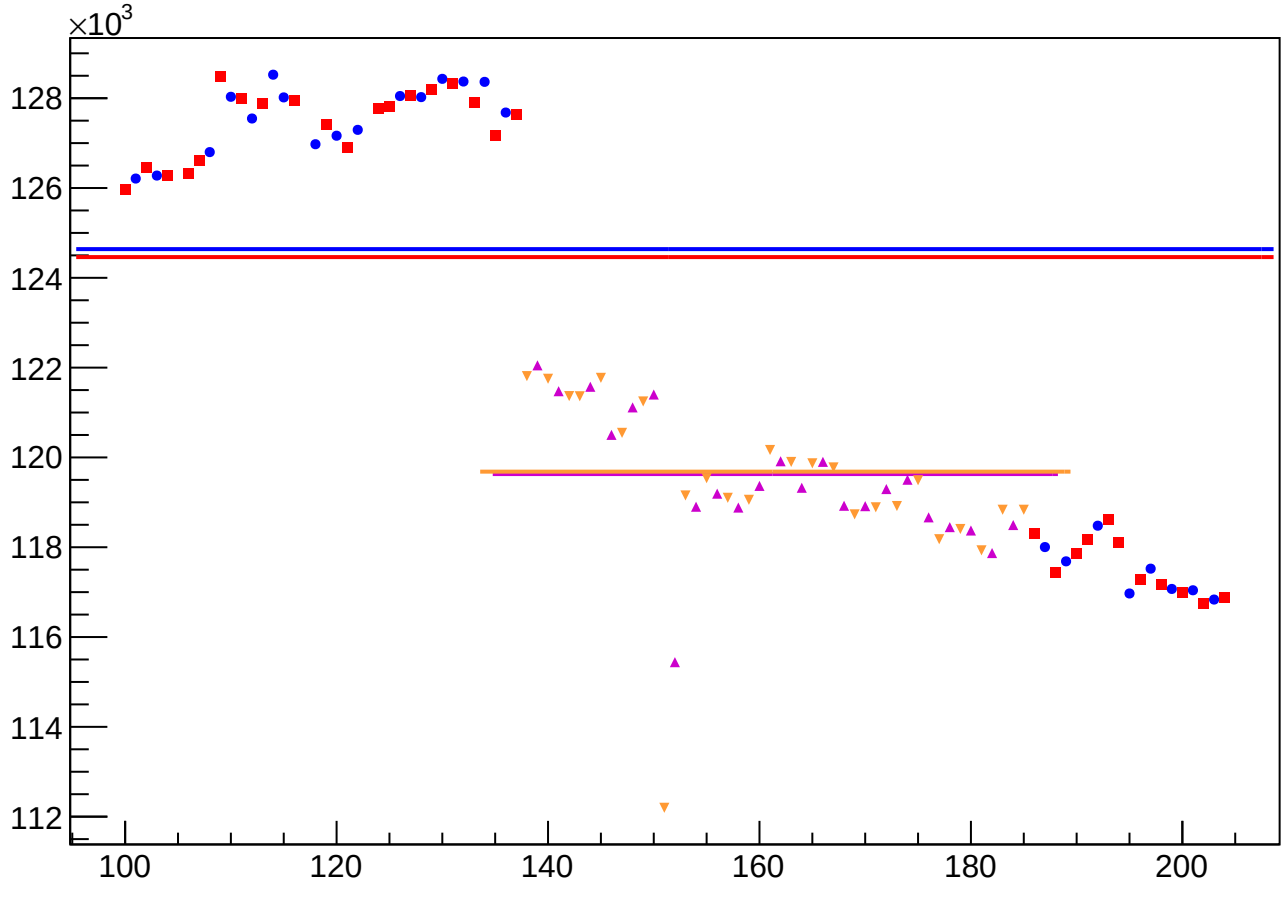
Left: 196.536+/-0.023 χ^2/NDF: 1808329.6/47

Right: 157.201+/-0.023 χ^2/NDF: 9069292.7/53

In: 178.328+/-0.024 χ^2/NDF:5522914.0/46

Out: 175.438+/-0.022 χ^2/NDF:6807124.9/54

All: 176.793+/-0.016 χ^2/NDF: 12337889.4/10



Right In: 124639.302+/-0.049 χ^2/NDF: 9402995484.1/23

Left Out: 119683.519+/-0.044 χ^2/NDF:1985993997.6/24

Right Out: 124461.672+/-0.045 χ^2/NDF: 11301195549.6/29

Left In: 119629.600+/-0.045 χ^2/NDF:1317214801.7/22

Left: 119656.996+/-0.032 χ^2/NDF: 3303938698.8/4

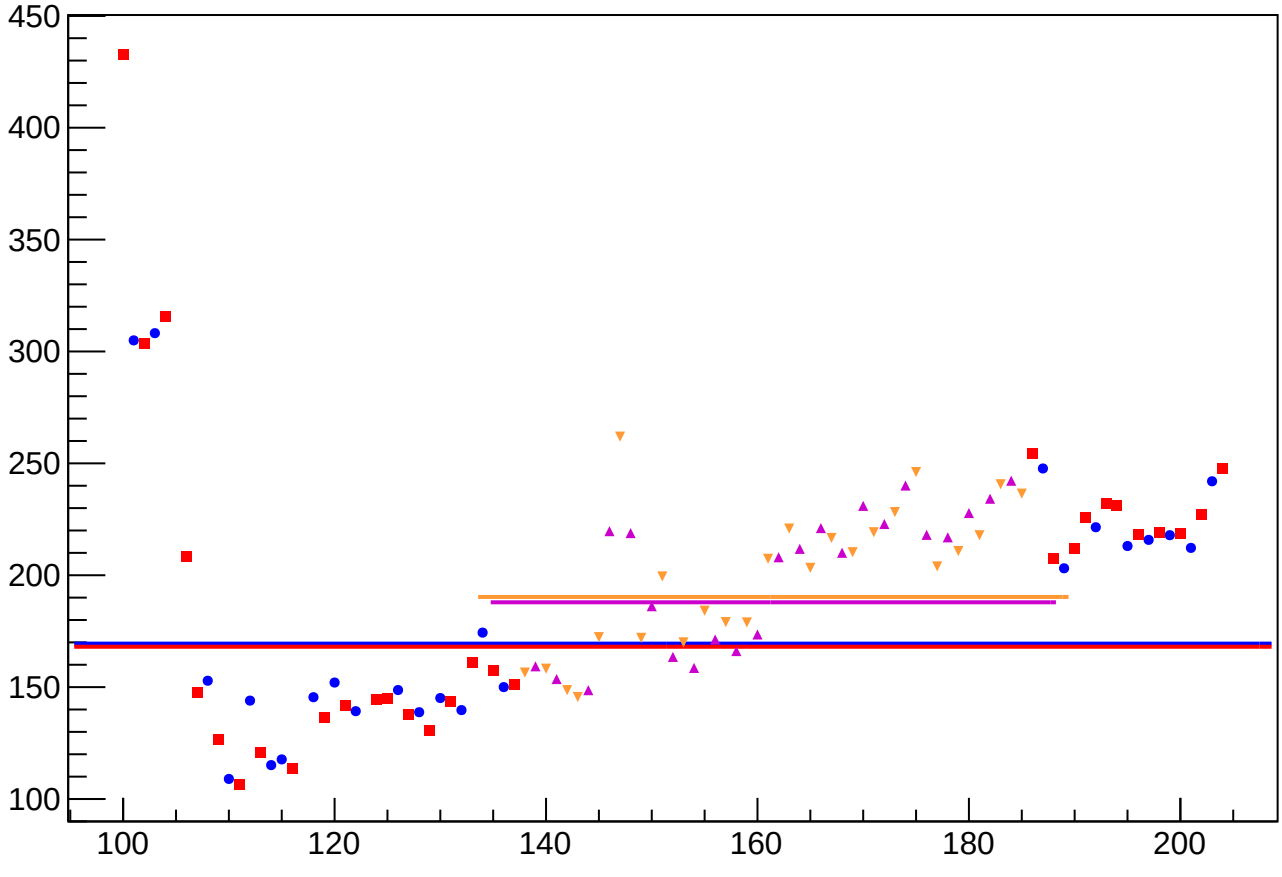
Right: 124543.631+/-0.033 χ^2/NDF: 20711279620.

In: 121922.760+/-0.033 χ^2/NDF:16396776930.9/4

Out: 122016.365+/-0.032 χ^2/NDF:18976219068.4

All: 121971.672+/-0.023 χ^2/NDF: 35377168

yield_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 169.440+/-0.035 χ^2/NDF: 1714718.8/23

Left Out: 190.298+/-0.031 χ^2/NDF:924542.3/24

Right Out: 168.046+/-0.032 χ^2/NDF: 2507699.4/29

Left In: 187.909+/-0.032 χ^2/NDF:926037.0/22

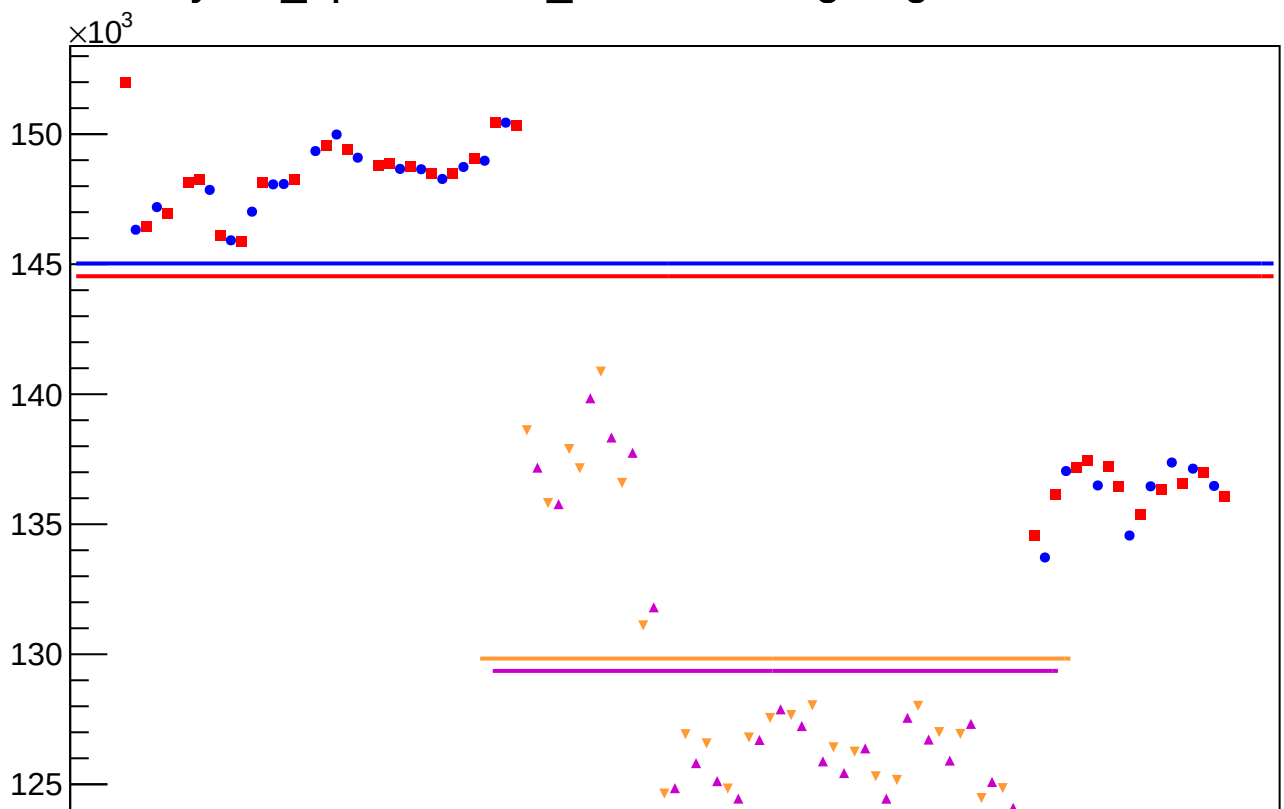
Left: 189.123+/-0.022 χ^2/NDF: 1853444.5/47

Right: 168.689+/-0.024 χ^2/NDF: 4223291.1/53

In: 179.455+/-0.023 χ^2/NDF:2795059.1/46

Out: 179.434+/-0.022 χ^2/NDF:3678996.8/54

All: 179.444+/-0.016 χ^2/NDF: 6474056.3/101



Right In: 145027.436+/-0.069 χ^2/NDF: 6598850380.7/23

Left Out: 129834.437+/-0.064 χ^2/NDF:6793515279.7/24

Right Out: 144536.015+/-0.063 χ^2/NDF: 7949225474.7/29

Left In: 129360.487+/-0.065 χ^2/NDF:6626094577.9/22

Left: 129601.685+/-0.046 χ^2/NDF: 13446375271.9

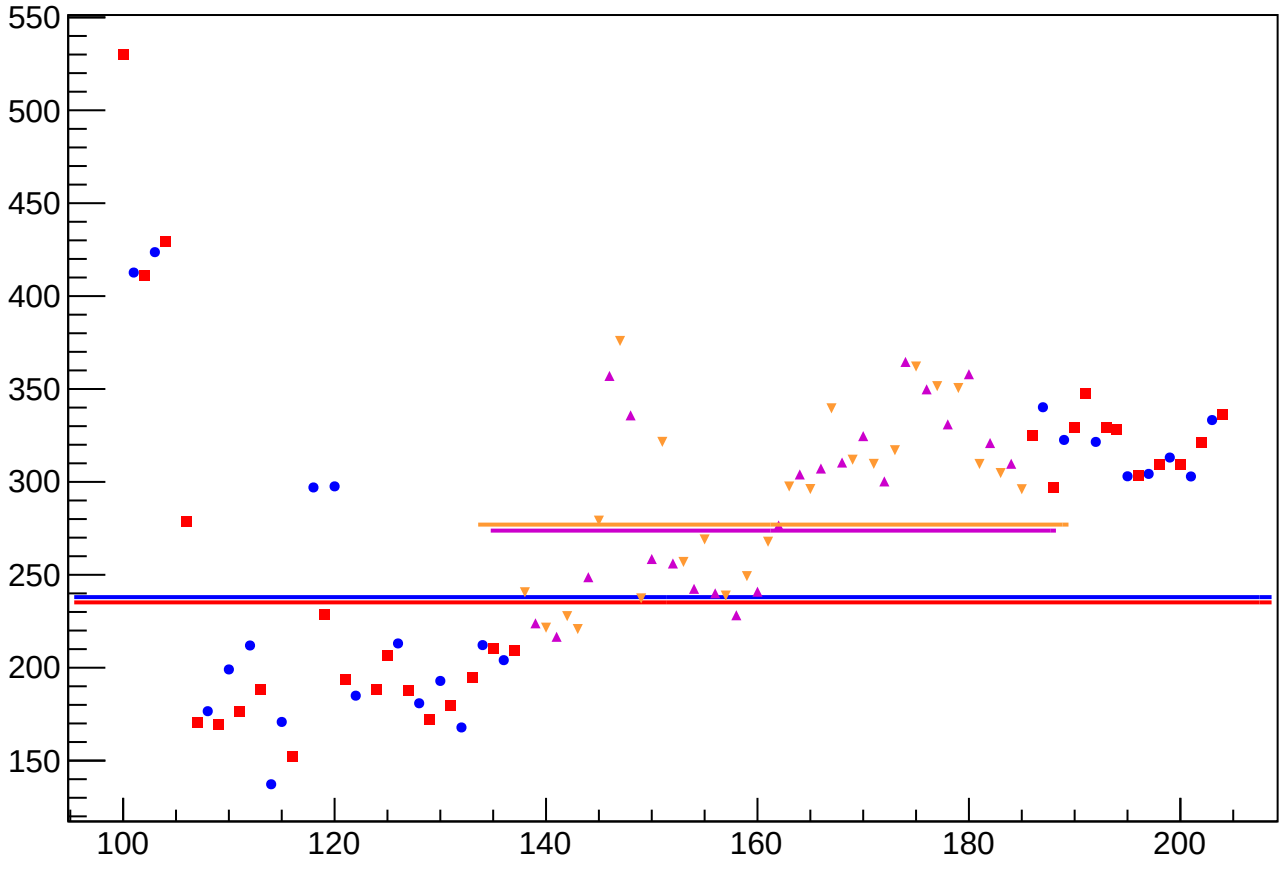
Right: 144760.734+/-0.047 χ^2/NDF: 14575500897.3

In: 136754.310+/-0.047 χ^2/NDF:40346888936.4/4

Out: 137270.732+/-0.045 χ^2/NDF:41268539133.0

All: 137025.672+/-0.033 χ^2/NDF: 81677563

yield_bpm0l02WS_rms vs Slug, Sign Corrected



Right In: 237.991+/-0.049 χ^2/NDF: 1972218.6/23

Left Out: 277.021+/-0.045 χ^2/NDF:946602.2/24

Right Out: 235.160+/-0.045 χ^2/NDF: 2467627.4/29

Left In: 273.784+/-0.046 χ^2/NDF:1003910.6/22

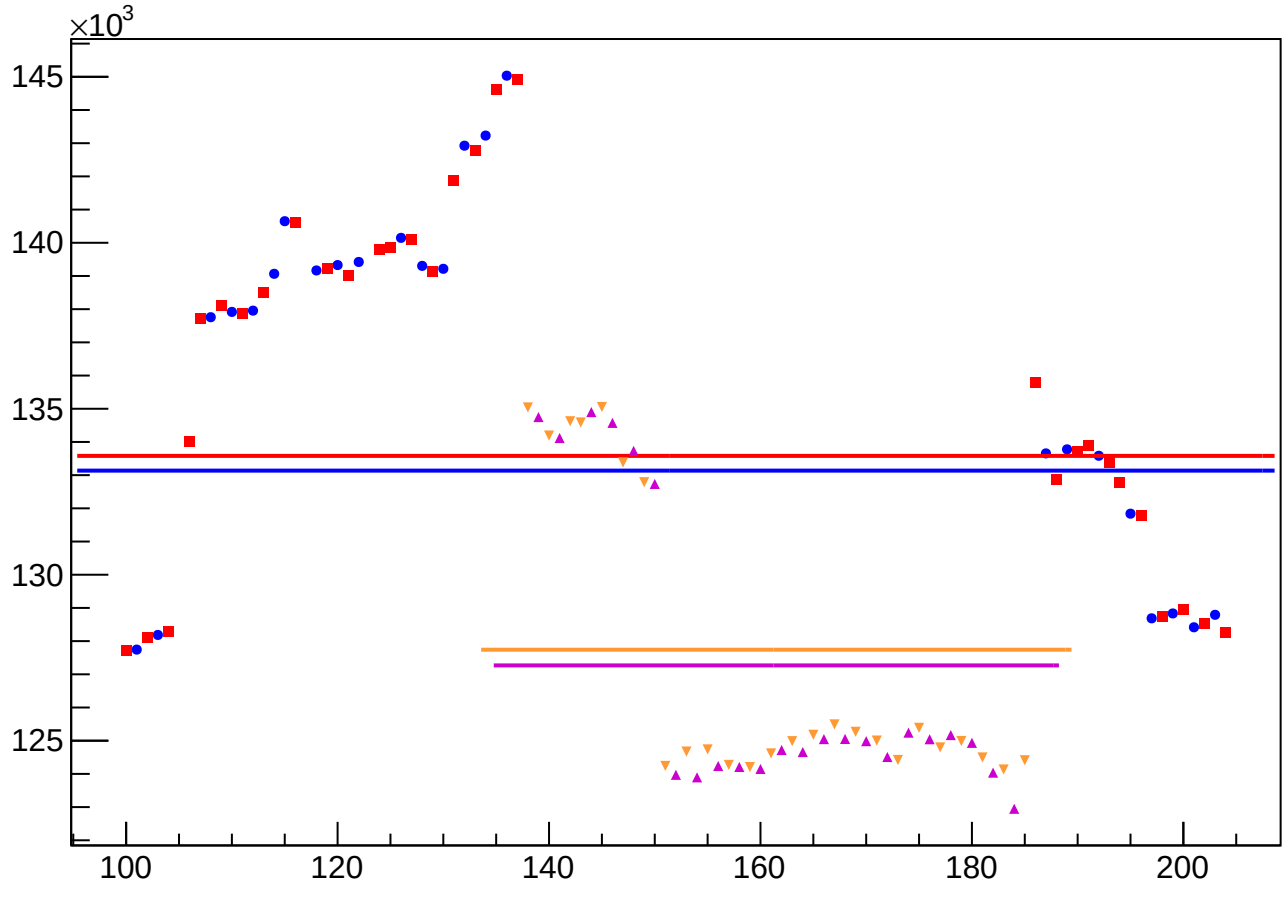
Left: 275.432+/-0.032 χ^2/NDF: 1953009.0/47

Right: 236.455+/-0.033 χ^2/NDF: 4441666.6/53

In: 256.892+/-0.034 χ^2/NDF:3259259.3/46

Out: 255.847+/-0.032 χ^2/NDF:3844349.0/54

All: 256.343+/-0.023 χ^2/NDF: 7104117.4/101



Right In: 133136.400+/-0.113 χ^2/NDF: 2465679931.4/23

Left Out: 127741.156+/-0.136 χ^2/NDF:1092529845.6/24

Right Out: 133580.428+/-0.115 χ^2/NDF: 1633300386.7/29

Left In: 127268.542+/-0.139 χ^2/NDF:971404491.0/22

Left: 127510.062+/-0.097 χ^2/NDF: 2069876354.9/4

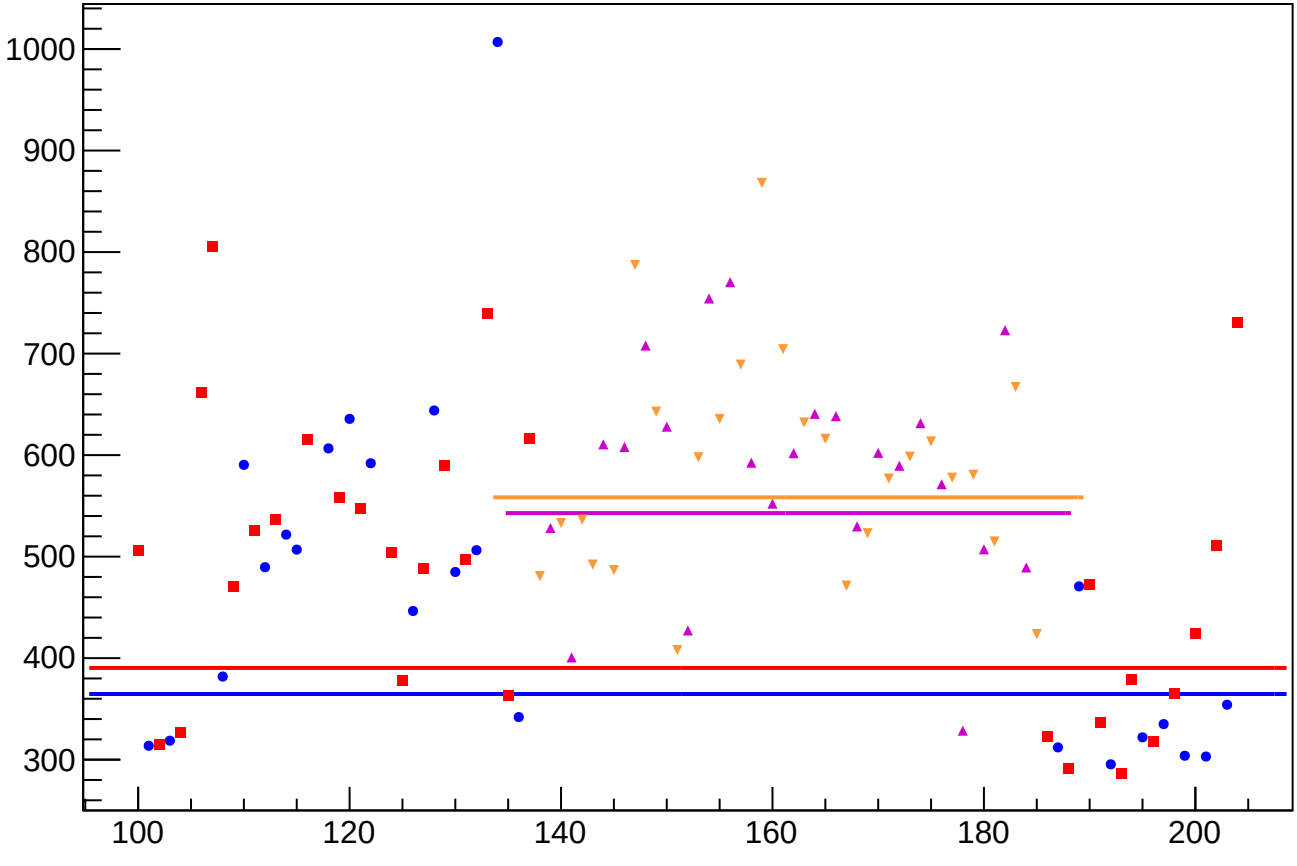
Right: 133355.371+/-0.081 χ^2/NDF: 4106553272.9/

In: 130785.700+/-0.088 χ^2/NDF:4511432388.8/46

Out: 131140.188+/-0.088 χ^2/NDF:3805651847.7/5

All: 130963.109+/-0.062 χ^2/NDF: 83252636

yield_bpm0l03WS_rms vs Slug, Sign Corrected



Right In: 364.683+/-0.080 χ^2/NDF: 1480892.6/23

Left Out: 558.373+/-0.096 χ^2/NDF:968289.3/24

Right Out: 390.381+/-0.081 χ^2/NDF: 1878741.8/29

Left In: 542.872+/-0.098 χ^2/NDF:1416690.9/22

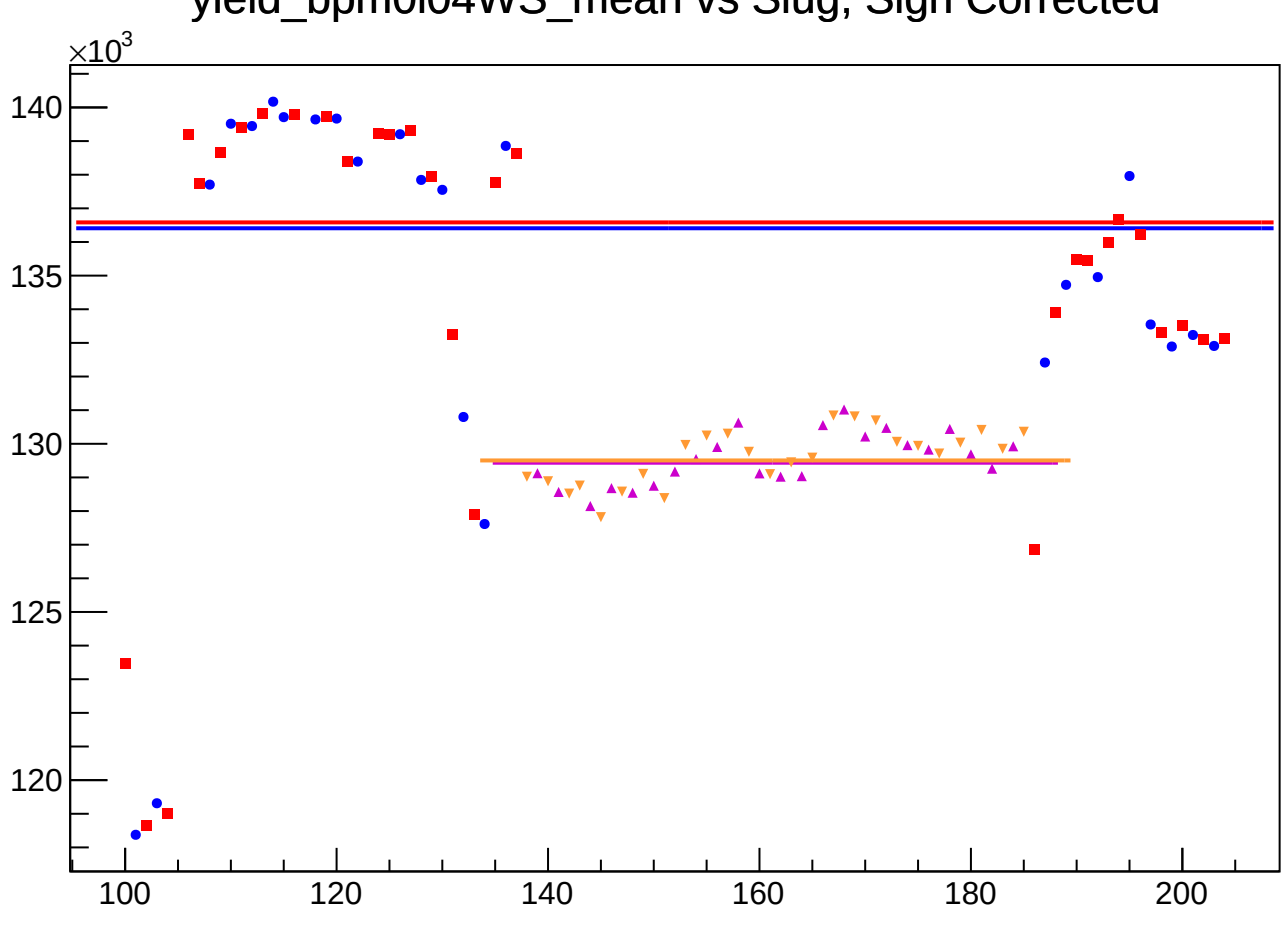
Left: 550.793+/-0.069 χ^2/NDF: 2397764.2/47

Right: 377.356+/-0.057 χ^2/NDF: 3410365.1/53

In: 436.067+/-0.062 χ^2/NDF:4879005.7/46

Out: 460.585+/-0.062 χ^2/NDF:4634509.9/54

All: 448.337+/-0.044 χ^2/NDF: 9591704.3/101



Right In: 136407.802+/-0.062 χ^2/NDF: 6261293186.8/23

Left Out: 129504.922+/-0.047 χ^2/NDF:299464438.2/24

Right Out: 136582.282+/-0.057 χ^2/NDF: 6631863319.9/29

Left In: 129437.551+/-0.048 χ^2/NDF:269025464.3/22

Left: 129472.248+/-0.034 χ^2/NDF: 569486507.5/47

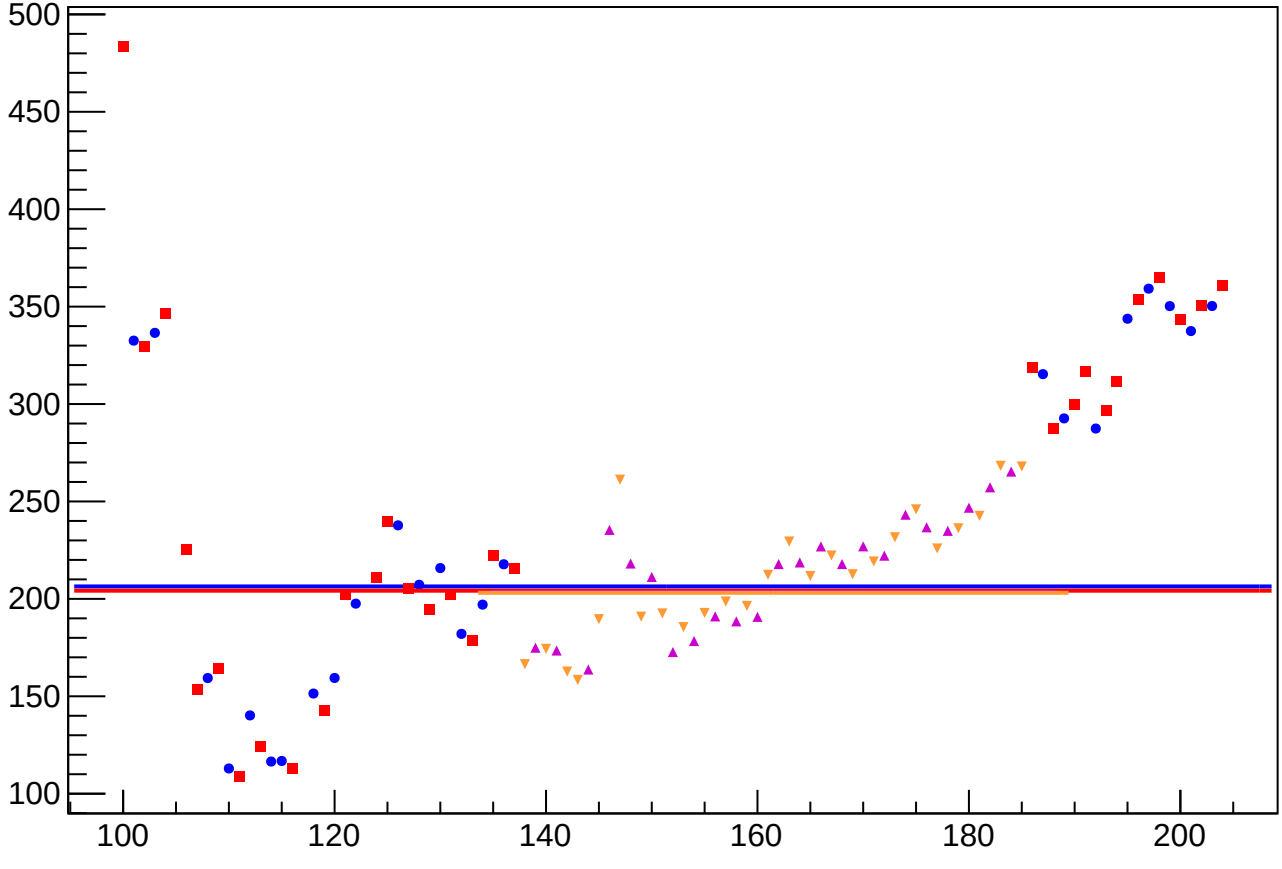
Right: 136501.976+/-0.042 χ^2/NDF: 12897437358.0

In: 132081.349+/-0.038 χ^2/NDF:14386847459.5/4

Out: 132356.544+/-0.036 χ^2/NDF:16068533527.7

All: 132225.745+/-0.026 χ^2/NDF: 30482674

yield_bpm0l04WS_rms vs Slug, Sign Corrected



Right In: 206.377+/-0.044 χ^2/NDF: 3325424.5/23

Left Out: 203.129+/-0.033 χ^2/NDF:758448.5/24

Right Out: 204.201+/-0.040 χ^2/NDF: 4405670.4/29

Left In: 203.546+/-0.034 χ^2/NDF:666043.6/22

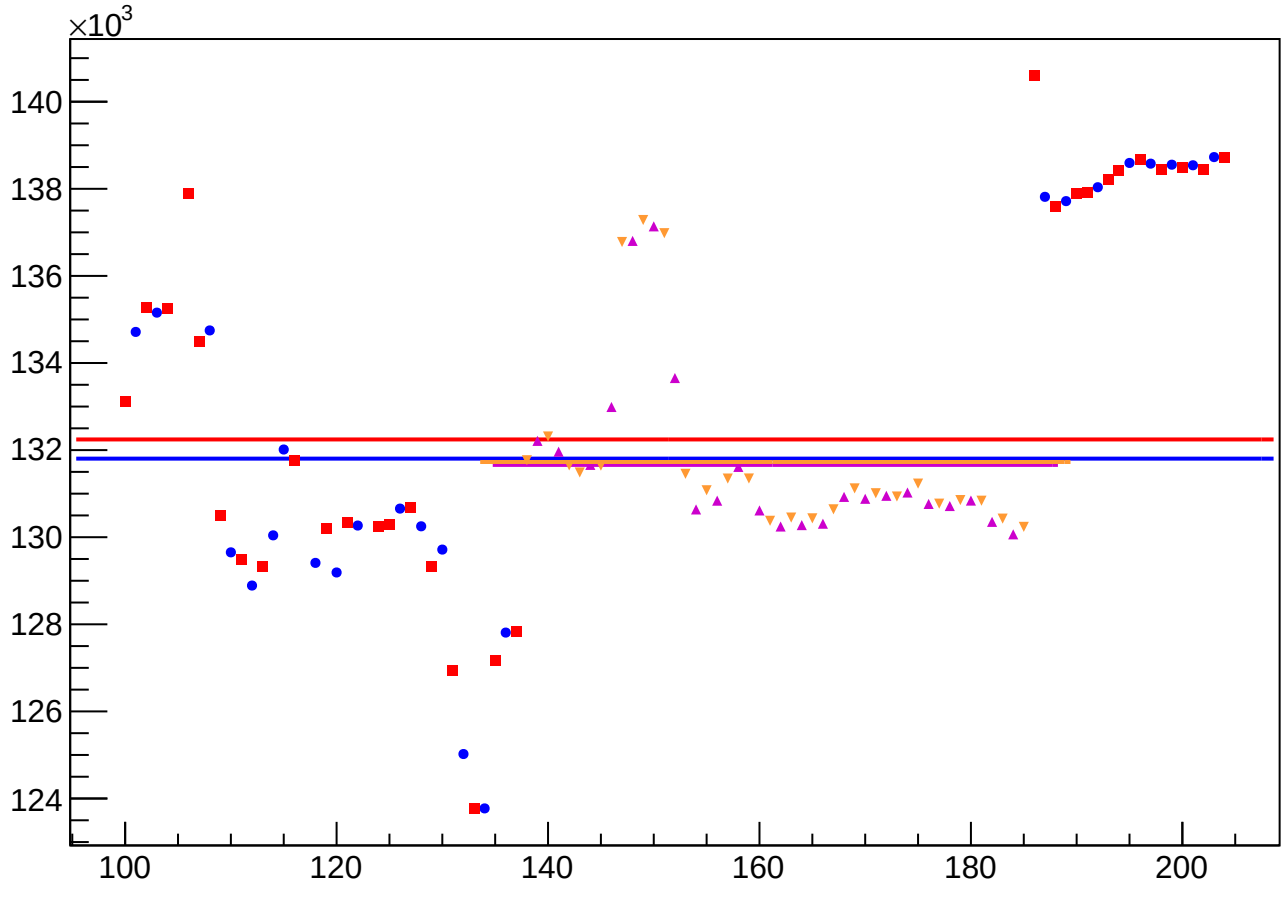
Left: 203.331+/-0.024 χ^2/NDF: 1424568.7/47

Right: 205.203+/-0.030 χ^2/NDF: 7732426.3/53

In: 204.620+/-0.027 χ^2/NDF:3994059.5/46

Out: 203.561+/-0.026 χ^2/NDF:5164538.4/54

All: 204.064+/-0.019 χ^2/NDF: 9159406.4/101



Right In: 131804.258+/-0.056 χ^2/NDF: 6842877982.2/23

Left Out: 131727.086+/-0.047 χ^2/NDF:1425045697.6/24

Right Out: 132244.774+/-0.052 χ^2/NDF: 7644197055.0/29

Left In: 131660.490+/-0.048 χ^2/NDF:1164380319.7/22

Left: 131694.721+/-0.034 χ^2/NDF: 2590408205.6/4

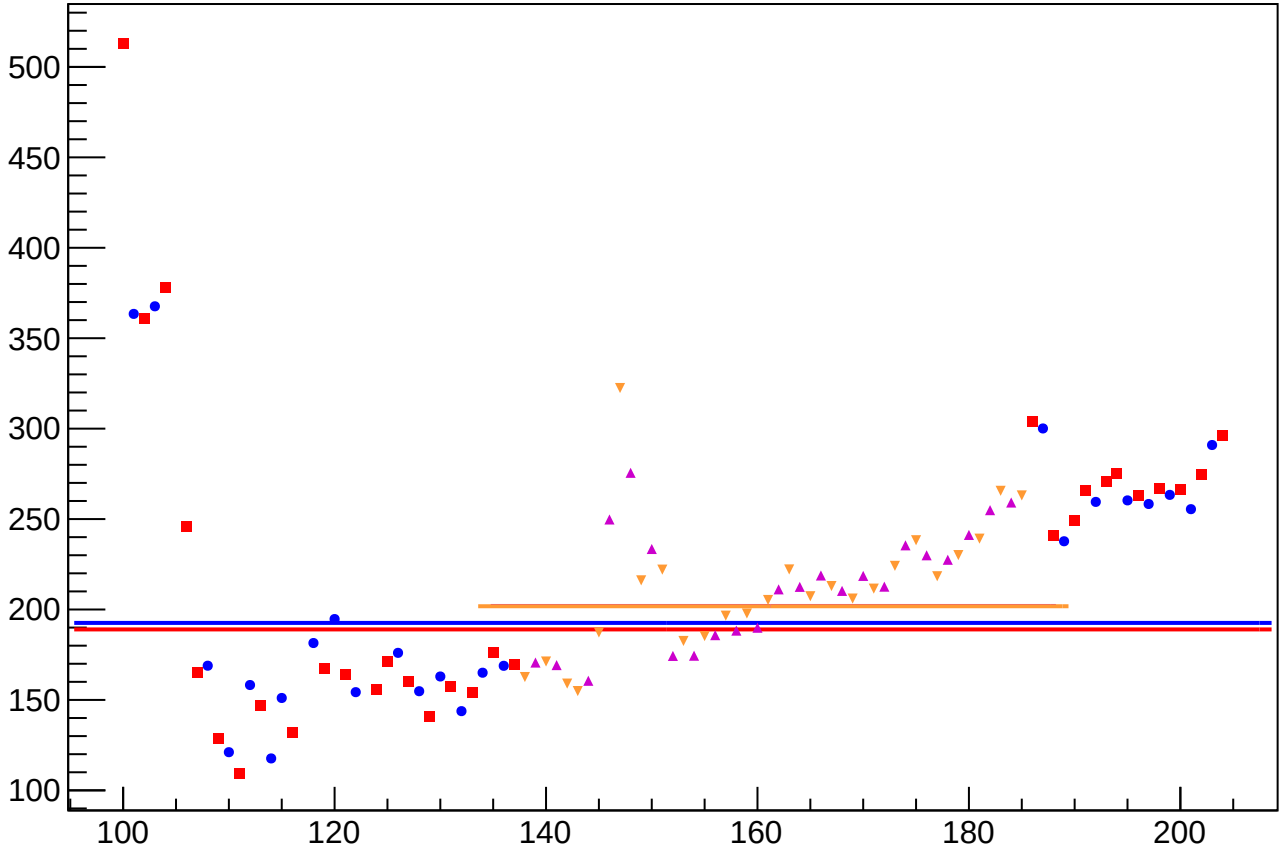
Right: 132043.228+/-0.038 χ^2/NDF: 14520216340.

In: 131721.189+/-0.037 χ^2/NDF:8011018164.4/46

Out: 131960.198+/-0.035 χ^2/NDF:9124234789.9/5

All: 131847.014+/-0.025 χ^2/NDF: 17157678

yield_bpm0l05WS_rms vs Slug, Sign Corrected



Right In: 192.585+/-0.040 χ^2/NDF: 2119256.9/23

Left Out: 201.798+/-0.033 χ^2/NDF:905352.1/24

Right Out: 188.982+/-0.037 χ^2/NDF: 3154276.1/29

Left In: 201.947+/-0.034 χ^2/NDF:802700.2/22

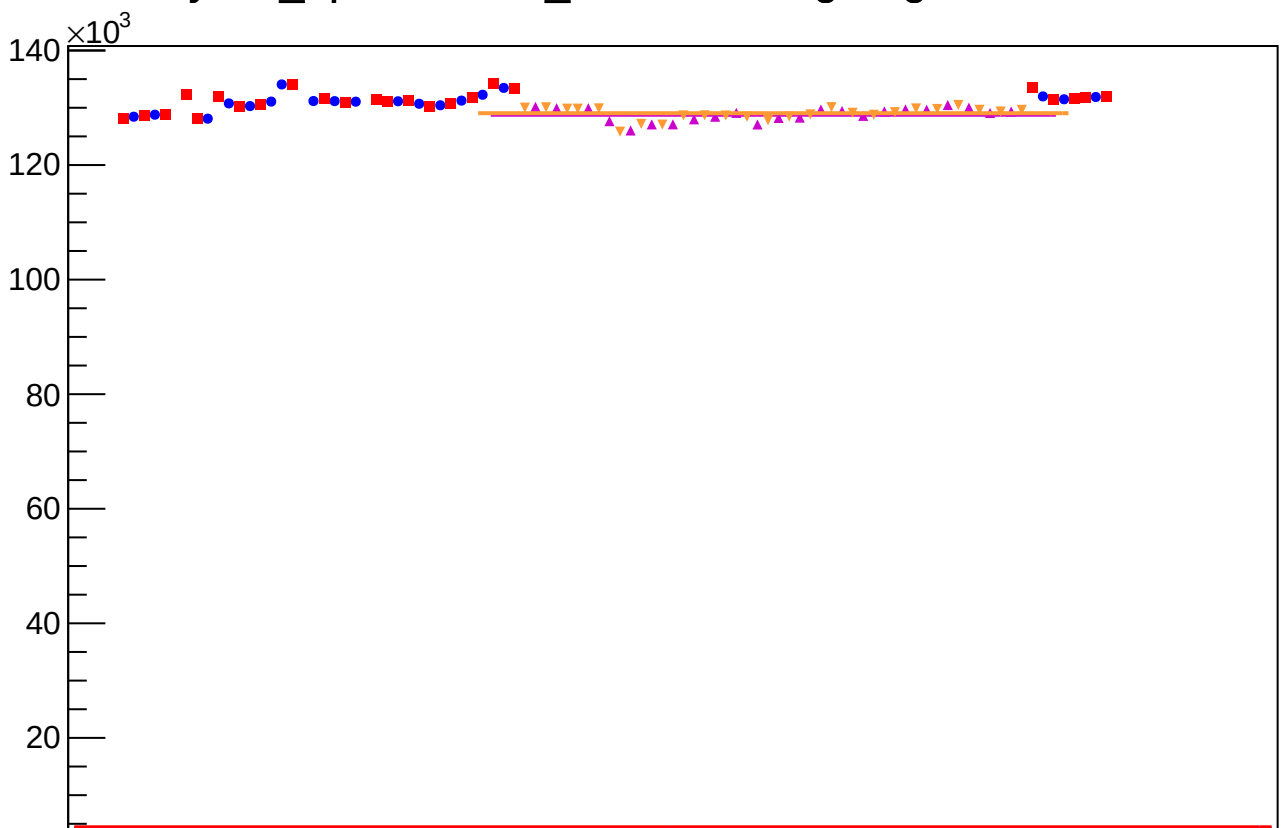
Left: 201.870+/-0.024 χ^2/NDF: 1708062.2/47

Right: 190.630+/-0.027 χ^2/NDF: 5277967.2/53

In: 197.994+/-0.026 χ^2/NDF:2953843.0/46

Out: 196.027+/-0.025 χ^2/NDF:4127033.7/54

All: 196.959+/-0.018 χ^2/NDF: 7083915.5/101



Right In: 4162.554+/-0.007 χ^2/NDF: 4965950243223.9/23

Left Out: 129050.458+/-0.045 χ^2/NDF:530879250.1/24

Right Out: 4393.316+/-0.006 χ^2/NDF: 5874960828318.1/29

Left In: 128783.852+/-0.047 χ^2/NDF:655675405.6/22

Left: 128921.210+/-0.033 χ^2/NDF: 1203205446.5/4

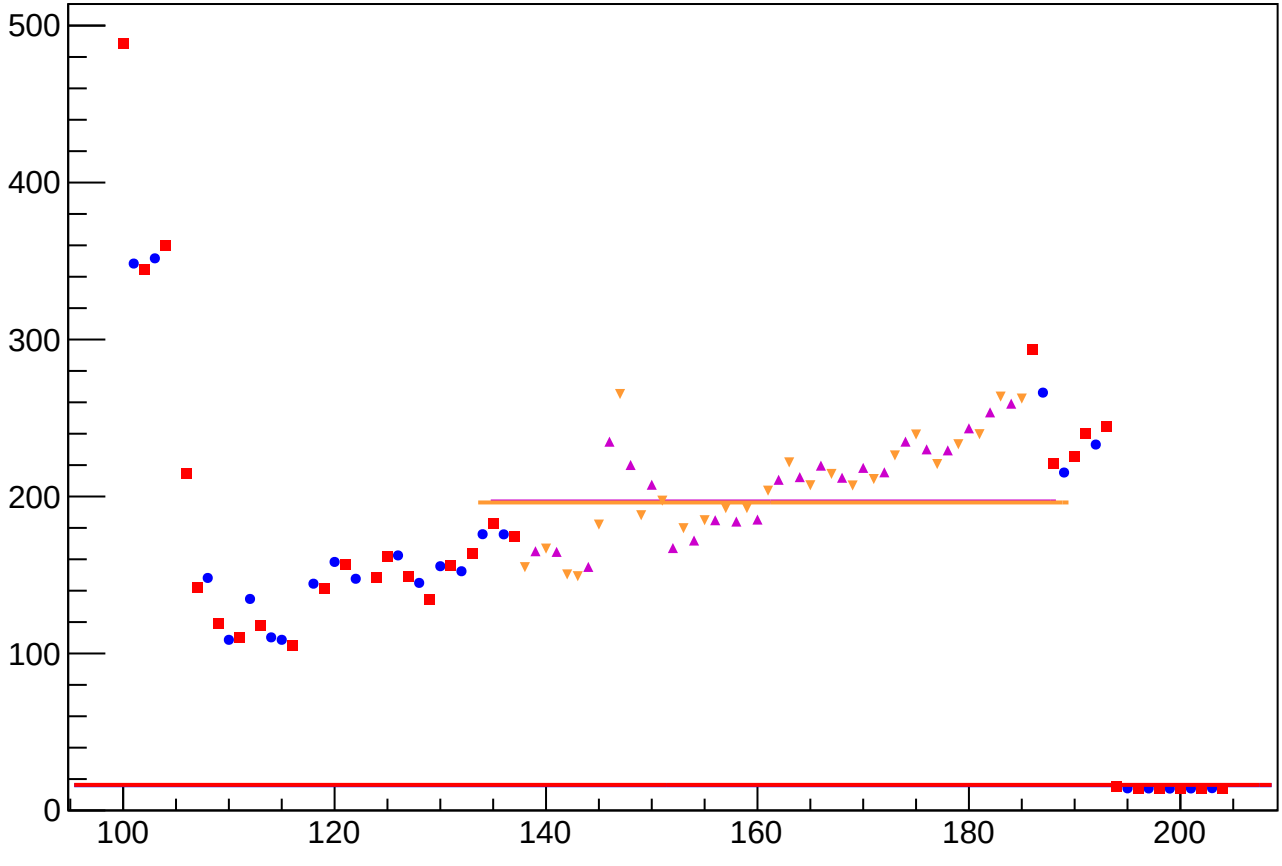
Right: 4282.140+/-0.005 χ^2/NDF: 10841520034012

In: 6678.513+/-0.007 χ^2/NDF:11885545630437.9

Out: 6880.420+/-0.006 χ^2/NDF:13234594184023.

All: 6783.134+/-0.005 χ^2/NDF: 2512061552

yield_bpm0l06WS_rms vs Slug, Sign Corrected



Right In: 16.070+/-0.005 χ^2/NDF: 14354585.8/23

Left Out: 196.203+/-0.032 χ^2/NDF:922826.1/24

Right Out: 16.294+/-0.005 χ^2/NDF: 16439939.2/29

Left In: 196.840+/-0.033 χ^2/NDF:773052.6/22

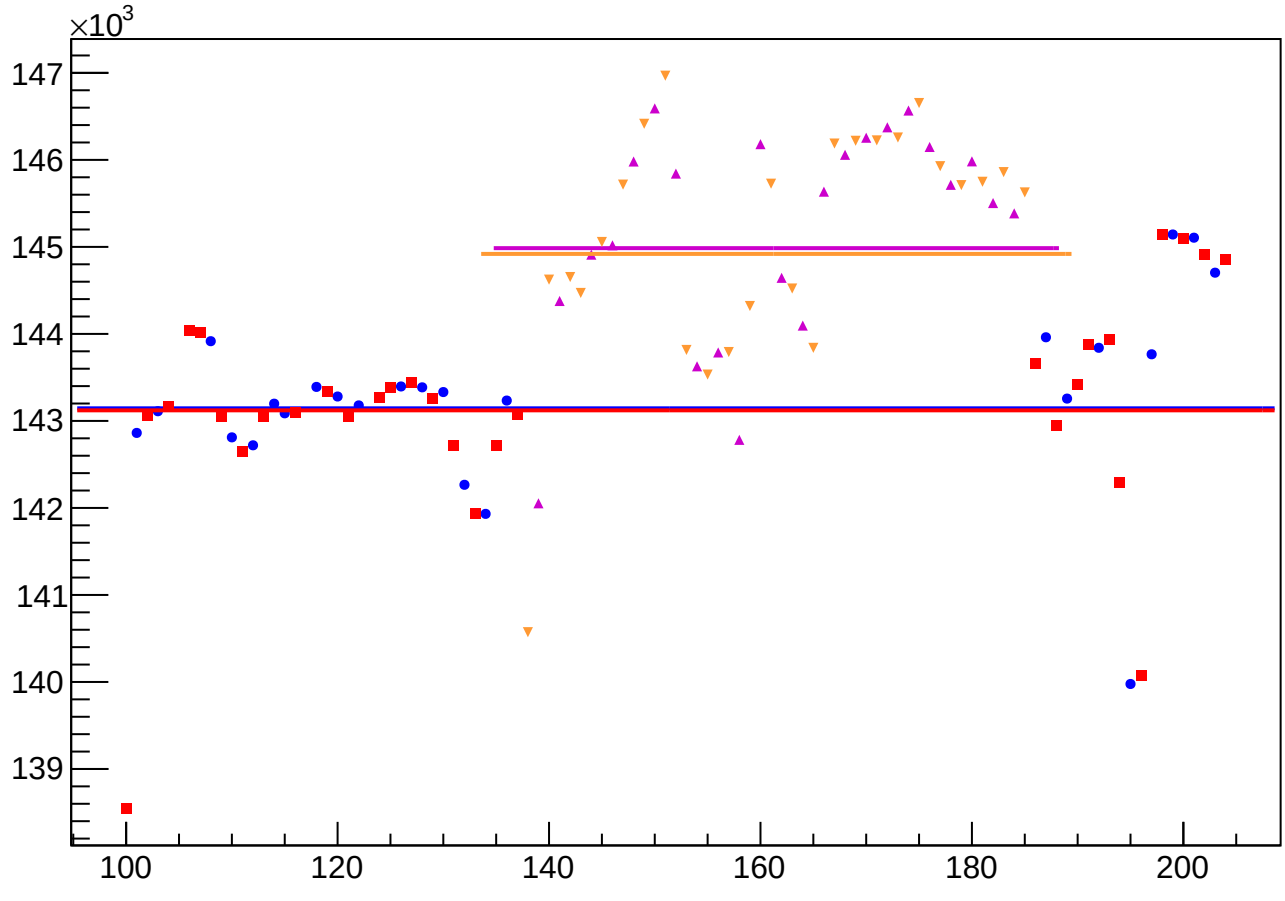
Left: 196.512+/-0.023 χ^2/NDF: 1696068.8/47

Right: 16.186+/-0.003 χ^2/NDF: 30795667.1/53

In: 19.720+/-0.005 χ^2/NDF:44243976.7/46

Out: 19.883+/-0.005 χ^2/NDF:48019623.5/54

All: 19.804+/-0.003 χ^2/NDF: 92264223.4/101



Right In: 143144.726+/-0.059 χ^2/NDF: 203363100.8/23

Left Out: 144919.479+/-0.052 χ^2/NDF:835478710.7/24

Right Out: 143121.737+/-0.054 χ^2/NDF: 208568191.9/29

Left In: 144985.586+/-0.054 χ^2/NDF:618782558.7/22

Left: 144951.693+/-0.037 χ^2/NDF: 1455041879.5/4

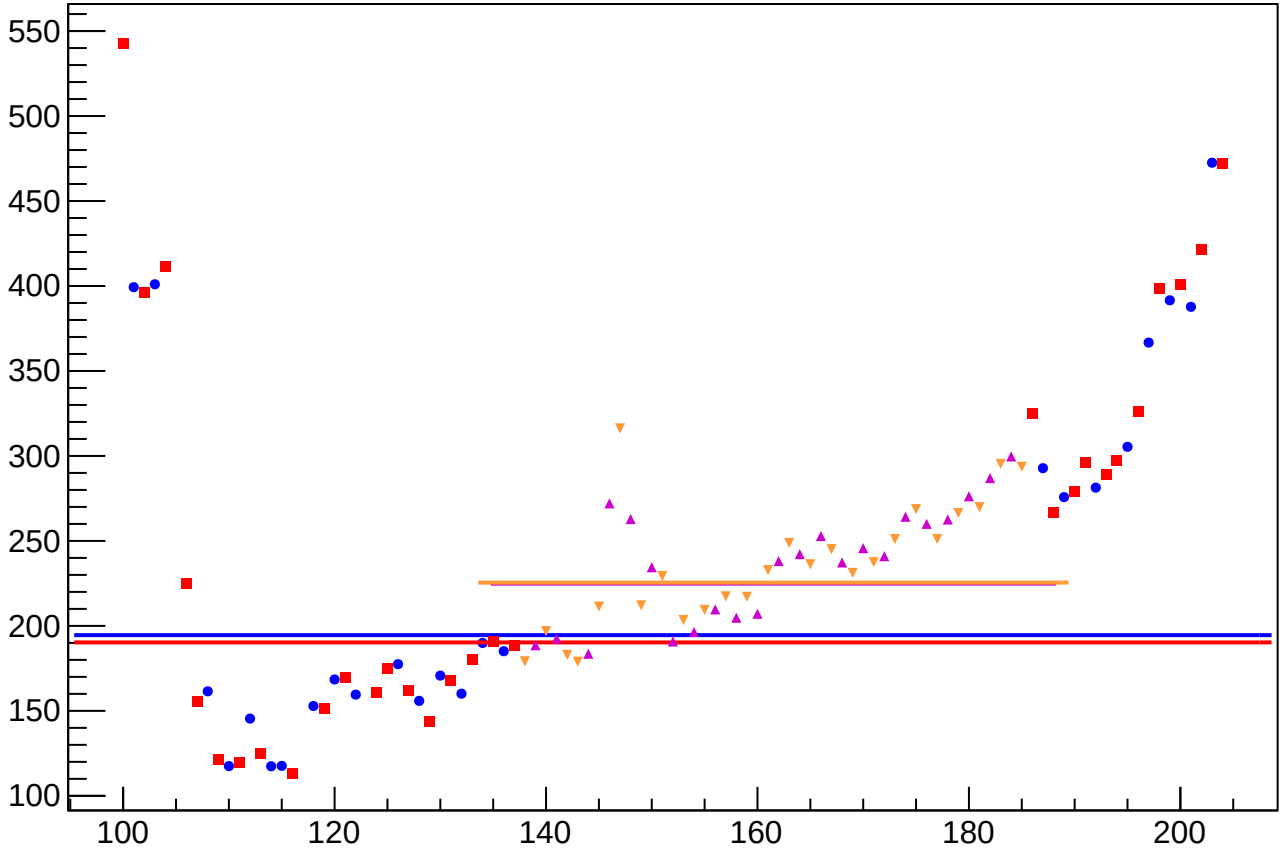
Right: 143132.236+/-0.040 χ^2/NDF: 412013931.5/5

In: 144152.783+/-0.040 χ^2/NDF:1356272131.0/46

Out: 144051.253+/-0.038 χ^2/NDF:1616198820.8/5

All: 144099.273+/-0.027 χ^2/NDF: 29759274

yield_bpm0l07WS_rms vs Slug, Sign Corrected



Right In: 194.561+/-0.042 χ^2/NDF: 3924670.8/23

Left Out: 225.478+/-0.037 χ^2/NDF:775365.4/24

Right Out: 190.278+/-0.038 χ^2/NDF: 5259899.0/29

Left In: 224.869+/-0.038 χ^2/NDF:723816.1/22

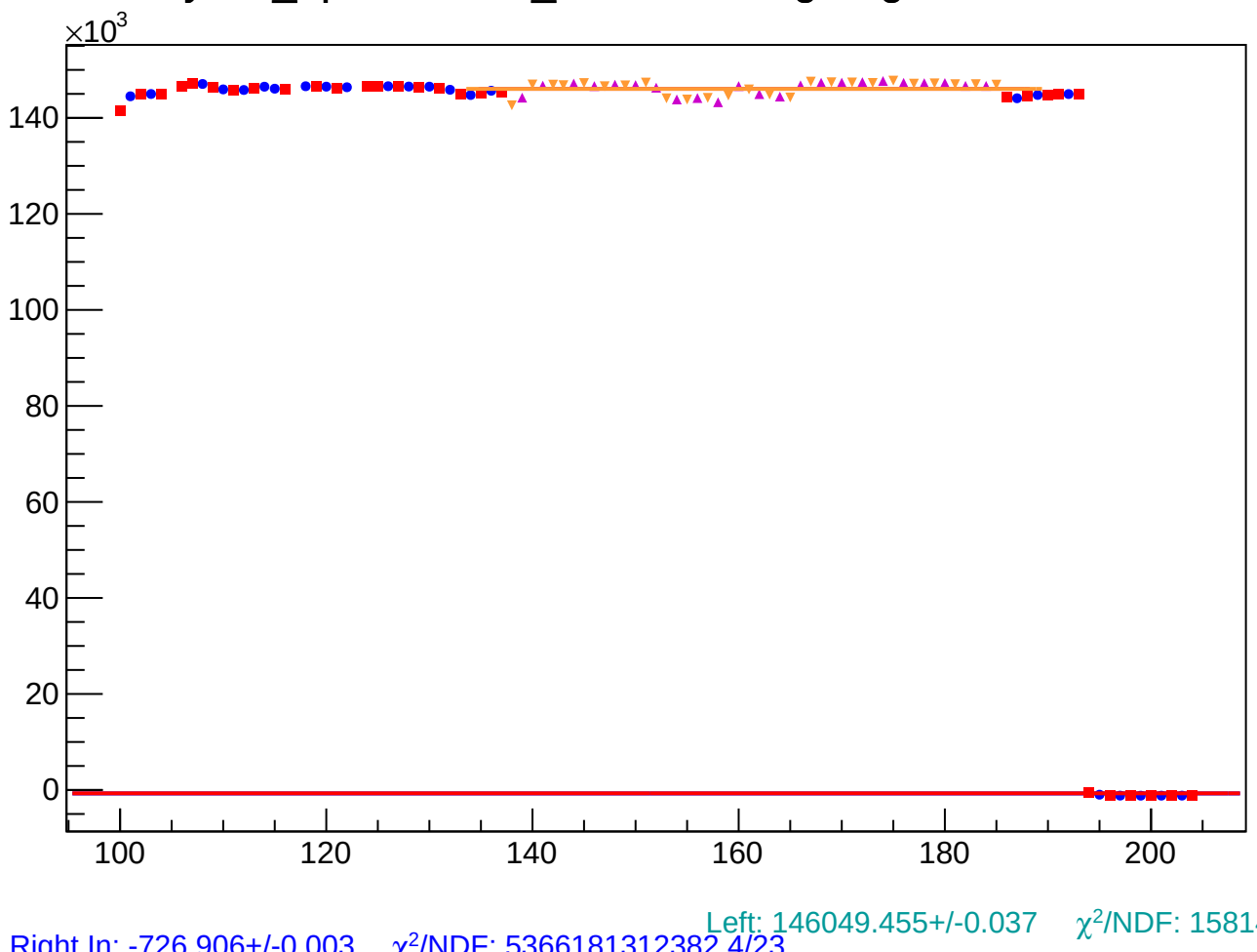
Left: 225.181+/-0.026 χ^2/NDF: 1499314.5/47

Right: 192.234+/-0.028 χ^2/NDF: 9190307.6/53

In: 211.158+/-0.028 χ^2/NDF:4938034.6/46

Out: 208.478+/-0.027 χ^2/NDF:6473972.8/54

All: 209.746+/-0.019 χ^2/NDF: 11416821.7/10



Right In: -726.906+/-0.003 χ^2/NDF: 5366181312382.4/23

Left Out: 146042.636+/-0.052 χ^2/NDF:882705044.1/24

Right Out: -696.538+/-0.003 χ^2/NDF: 6455822331939.0/29

Left In: 146056.687+/-0.054 χ^2/NDF:698743124.4/22

Left: 146049.455+/-0.037 χ^2/NDF: 1581483589.3/4

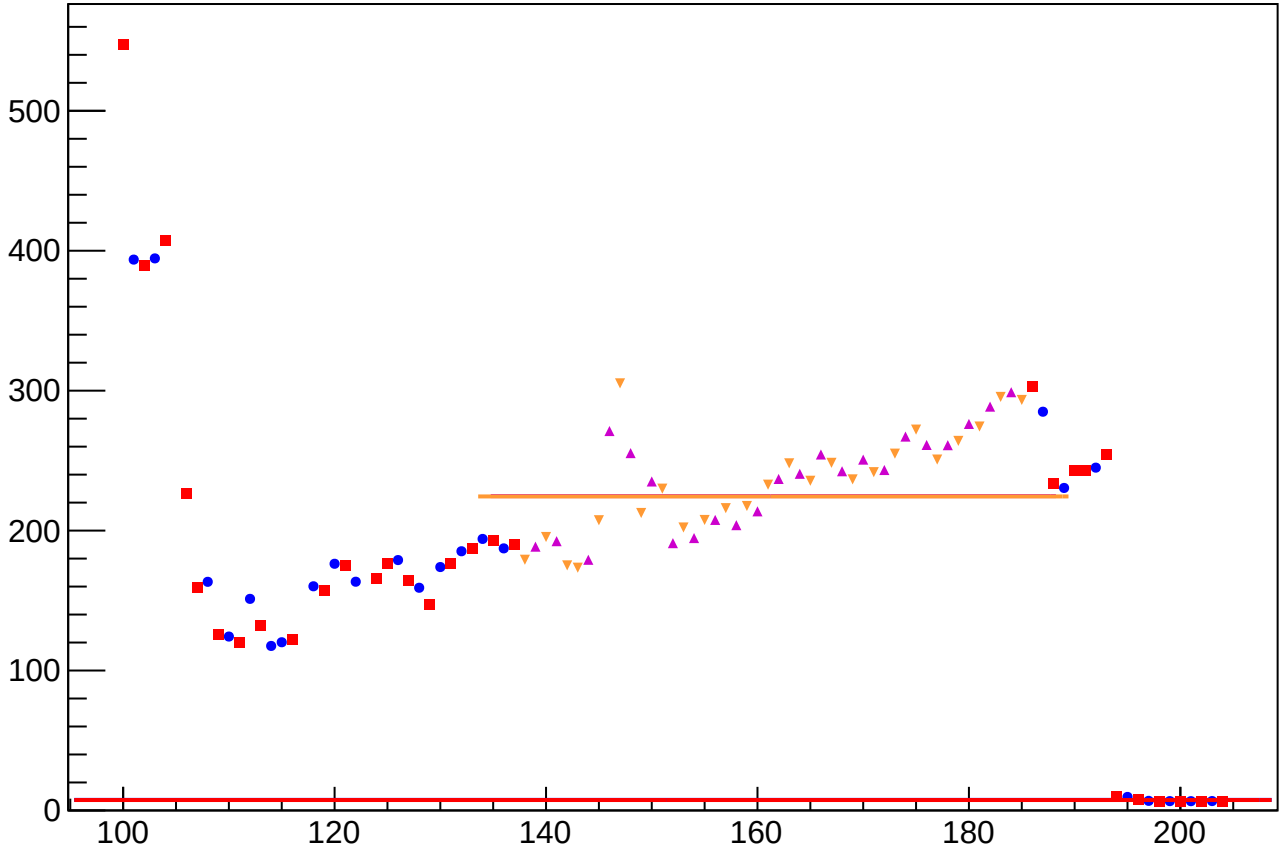
Right: -710.843+/-0.002 χ^2/NDF: 11822045064669

In: -126.802+/-0.003 χ^2/NDF:12846275312426.9/

Out: -129.832+/-0.003 χ^2/NDF:14386075489703.2

All: -128.405+/-0.002 χ^2/NDF: 27232351216

yield_bpm0l08WS_rms vs Slug, Sign Corrected



Right In: 7.549+/-0.002 χ^2/NDF: 16065107.7/23

Left Out: 224.409+/-0.037 χ^2/NDF:849100.4/24

Right Out: 7.452+/-0.002 χ^2/NDF: 18396038.5/29

Left In: 224.655+/-0.038 χ^2/NDF:756996.8/22

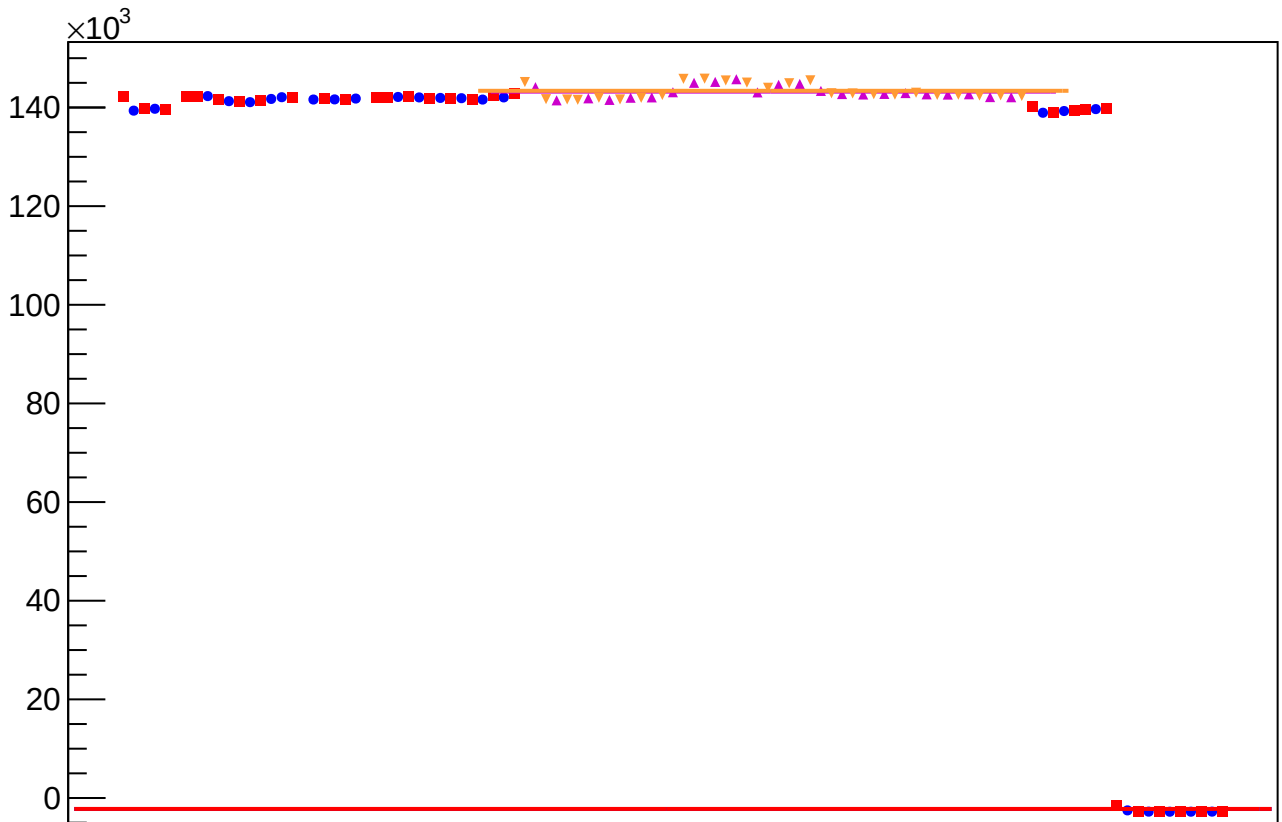
Left: 224.528+/-0.026 χ^2/NDF: 1606118.8/47

Right: 7.498+/-0.002 χ^2/NDF: 34461995.0/53

In: 8.437+/-0.002 χ^2/NDF:49547313.9/46

Out: 8.290+/-0.002 χ^2/NDF:53912856.3/54

All: 8.359+/-0.002 χ^2/NDF: 103462117.1/101



Right In: -2229.743+/-0.004 χ^2/NDF: 4953974755395.5/23

Left Out: 143386.915+/-0.054 χ^2/NDF:784001363.1/24

Right Out: -2213.316+/-0.004 χ^2/NDF: 5824226906036.4/29

Left In: 143221.802+/-0.055 χ^2/NDF:540234973.1/22

Left: 143306.102+/-0.038 χ^2/NDF: 1328866261.9/4

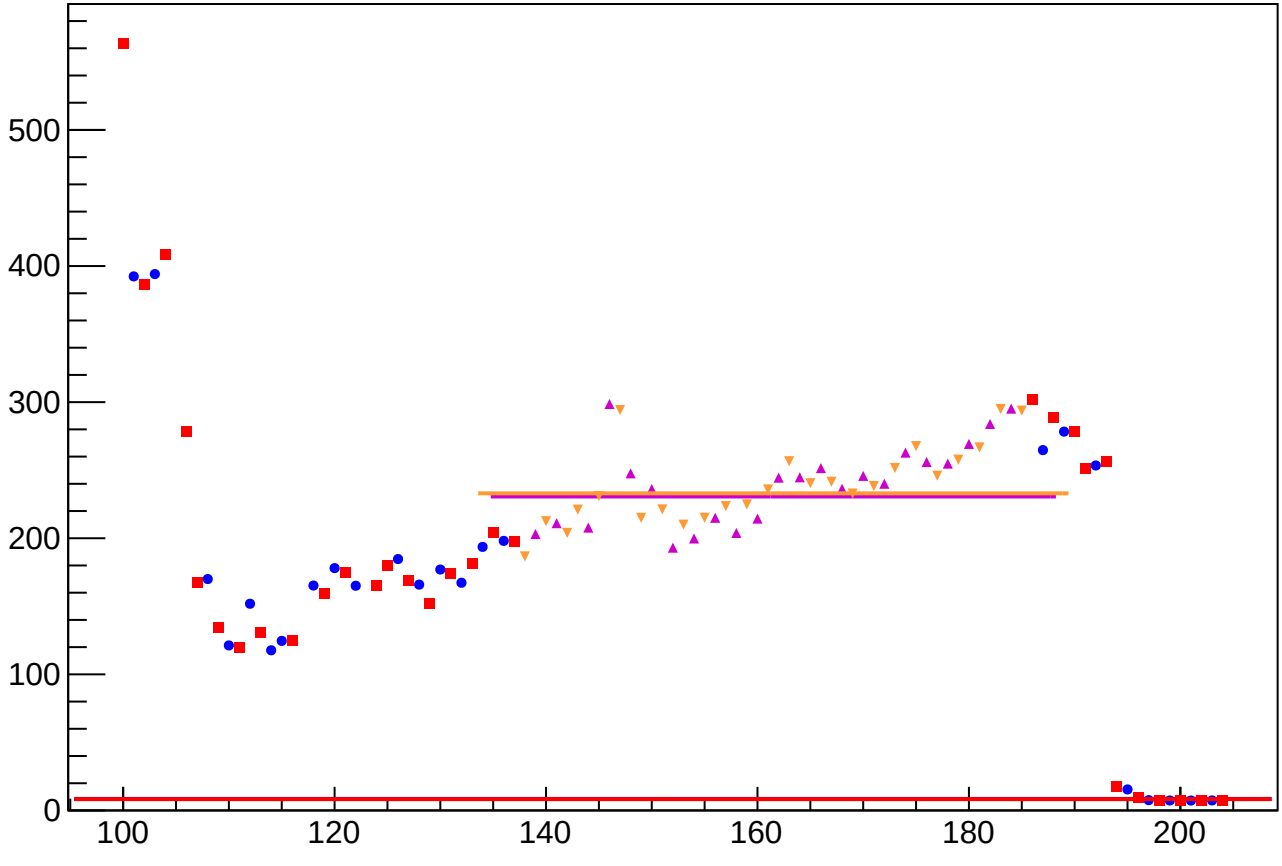
Right: -2220.984+/-0.003 χ^2/NDF: 1077821111774

In: -1497.289+/-0.004 χ^2/NDF:11956361230235.2

Out: -1543.391+/-0.004 χ^2/NDF:13147044040865

All: -1521.865+/-0.003 χ^2/NDF: 2510348011

yield_bpm0l09WS_rms vs Slug, Sign Corrected



Right In: 8.476+/-0.003 χ^2/NDF: 16210237.4/23

Left Out: 233.007+/-0.038 χ^2/NDF:446120.9/24

Right Out: 8.333+/-0.003 χ^2/NDF: 18429363.4/29

Left In: 230.693+/-0.039 χ^2/NDF:512017.9/22

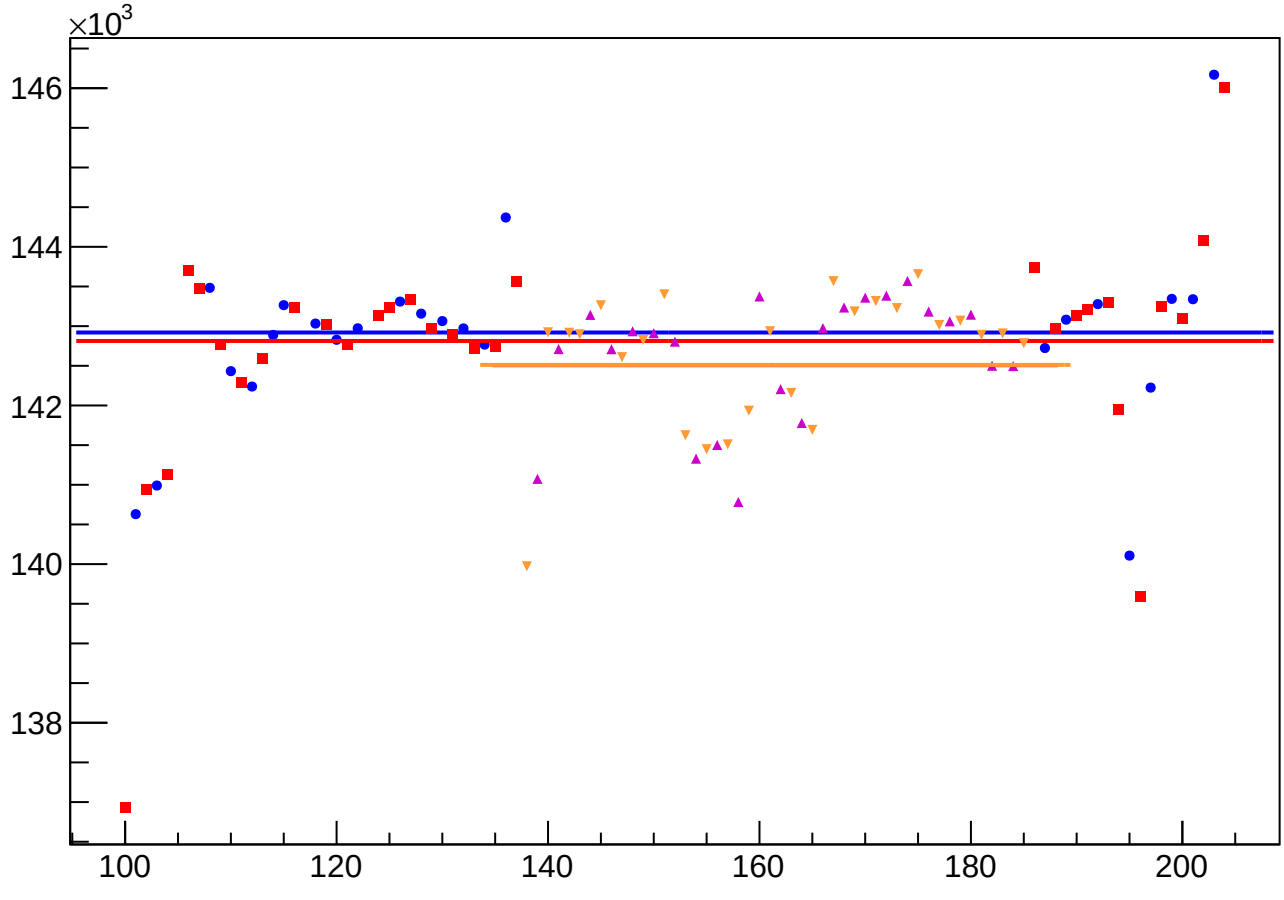
Left: 231.874+/-0.027 χ^2/NDF: 959957.6/47

Right: 8.399+/-0.002 χ^2/NDF: 34641032.1/53

In: 9.595+/-0.003 χ^2/NDF:49408258.7/46

Out: 9.366+/-0.003 χ^2/NDF:53744862.8/54

All: 9.473+/-0.002 χ^2/NDF: 103156788.2/101



Right In: 142920.068+/-0.062 χ^2/NDF: 237589402.1/23

Left Out: 142511.381+/-0.051 χ^2/NDF:338087157.2/24

Right Out: 142813.135+/-0.056 χ^2/NDF: 201454113.7/29

Left In: 142507.563+/-0.052 χ^2/NDF:269272097.4/22

Left: 142509.527+/-0.037 χ^2/NDF: 607361986.5/47

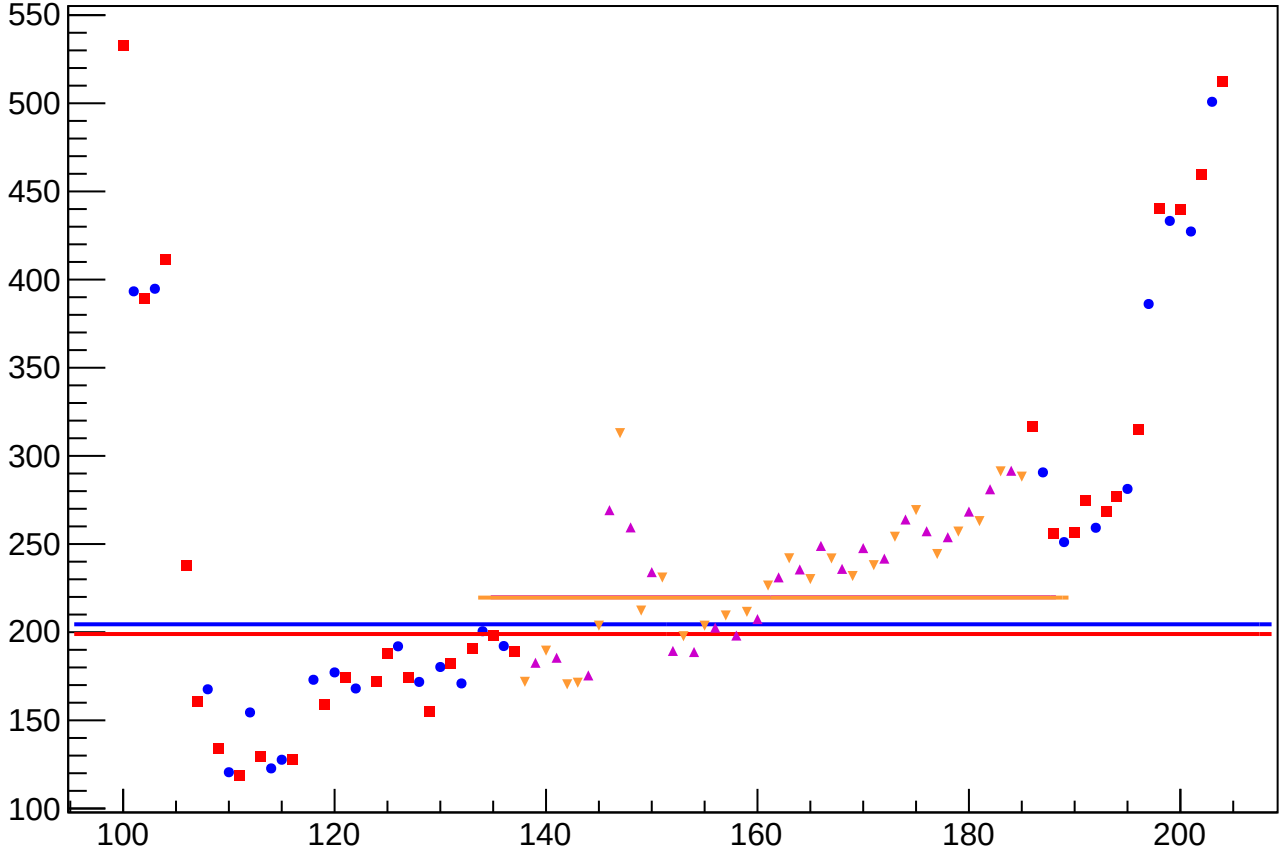
Right: 142861.625+/-0.042 χ^2/NDF: 440688596.1/5

In: 142680.631+/-0.040 χ^2/NDF:532861235.3/46

Out: 142647.514+/-0.038 χ^2/NDF:555396922.6/54

All: 142663.129+/-0.027 χ^2/NDF: 10886218

yield_bpm0l10WS_rms vs Slug, Sign Corrected



Right In: 204.479+/-0.044 χ^2/NDF: 3611838.9/23

Left Out: 219.618+/-0.036 χ^2/NDF:902026.4/24

Right Out: 198.959+/-0.040 χ^2/NDF: 4874241.2/29

Left In: 219.813+/-0.037 χ^2/NDF:805501.8/22

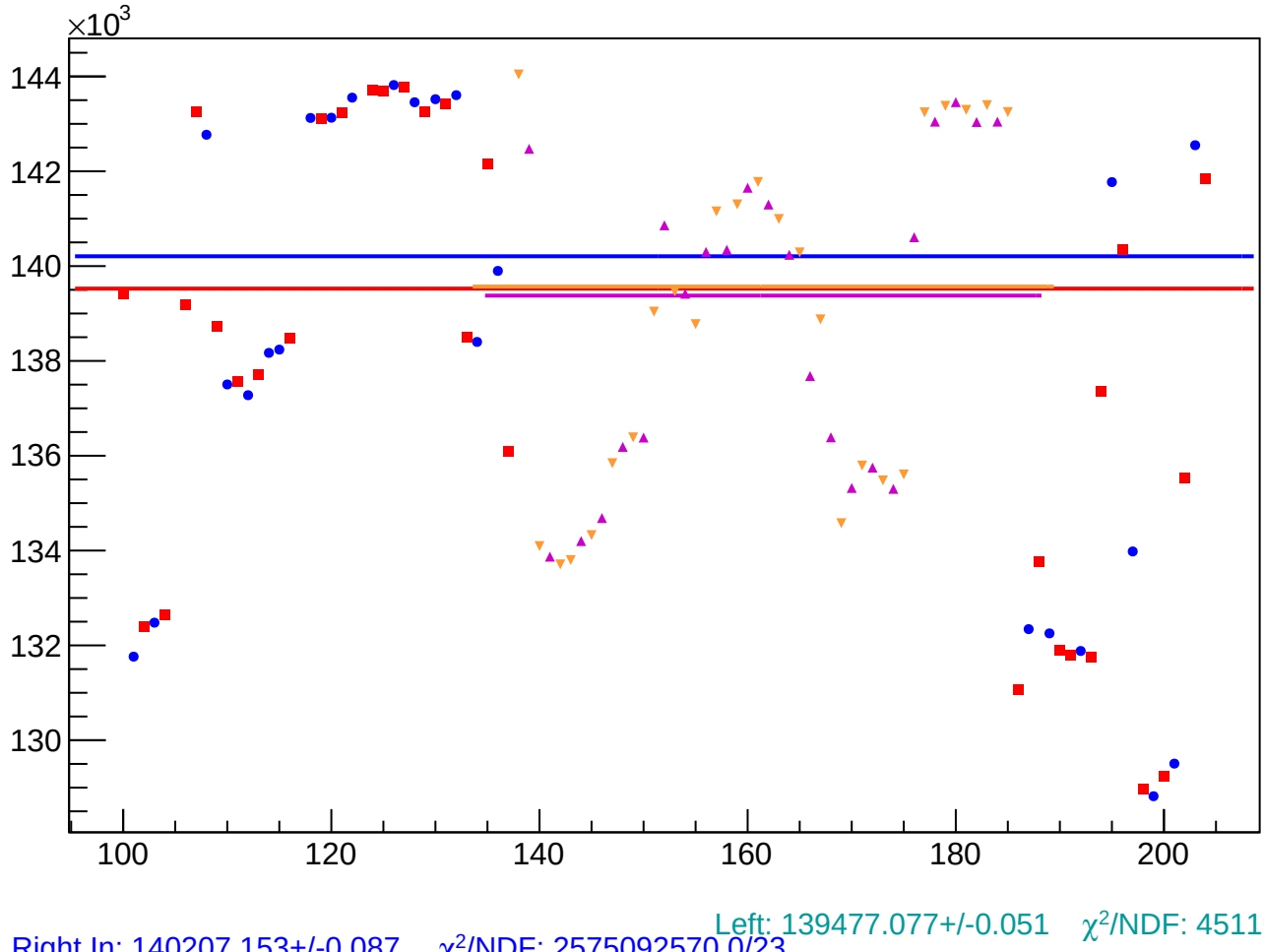
Left: 219.713+/-0.026 χ^2/NDF: 1707542.5/47

Right: 201.462+/-0.029 χ^2/NDF: 8494846.2/53

In: 213.380+/-0.028 χ^2/NDF:4489198.3/46

Out: 210.298+/-0.027 χ^2/NDF:5924898.6/54

All: 211.751+/-0.019 χ^2/NDF: 10420394.9/10



Right In: 140207.153+/-0.087 χ^2/NDF: 2575092570.0/23

Left Out: 139568.750+/-0.070 χ^2/NDF:2586638805.4/24

Right Out: 139525.119+/-0.085 χ^2/NDF: 2727872086.4/29

Left In: 139377.582+/-0.073 χ^2/NDF:1921434868.2/22

Left: 139477.077+/-0.051 χ^2/NDF: 4511647582.8/4

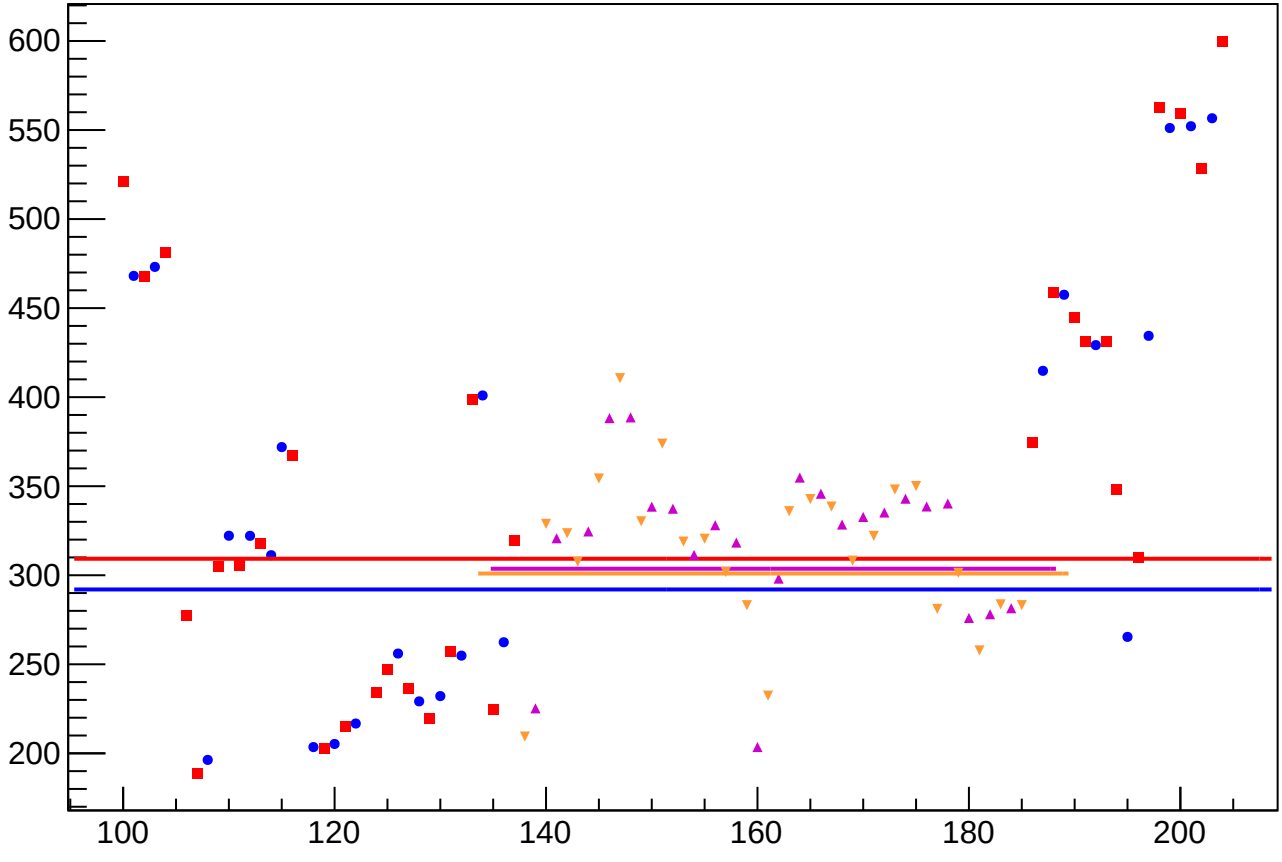
Right: 139857.833+/-0.061 χ^2/NDF: 5334299814.3/

In: 139719.159+/-0.056 χ^2/NDF:4549771358.6/46

Out: 139551.134+/-0.054 χ^2/NDF:5314667629.5/5

All: 139632.277+/-0.039 χ^2/NDF: 98691020

yield_bpm0r03WS_rms vs Slug, Sign Corrected



Right In: 292.016+/-0.062 χ^2/NDF: 2888081.3/23

Left Out: 300.964+/-0.050 χ^2/NDF:876889.9/24

Right Out: 309.260+/-0.060 χ^2/NDF: 3327243.2/29

Left In: 303.658+/-0.052 χ^2/NDF:976252.9/22

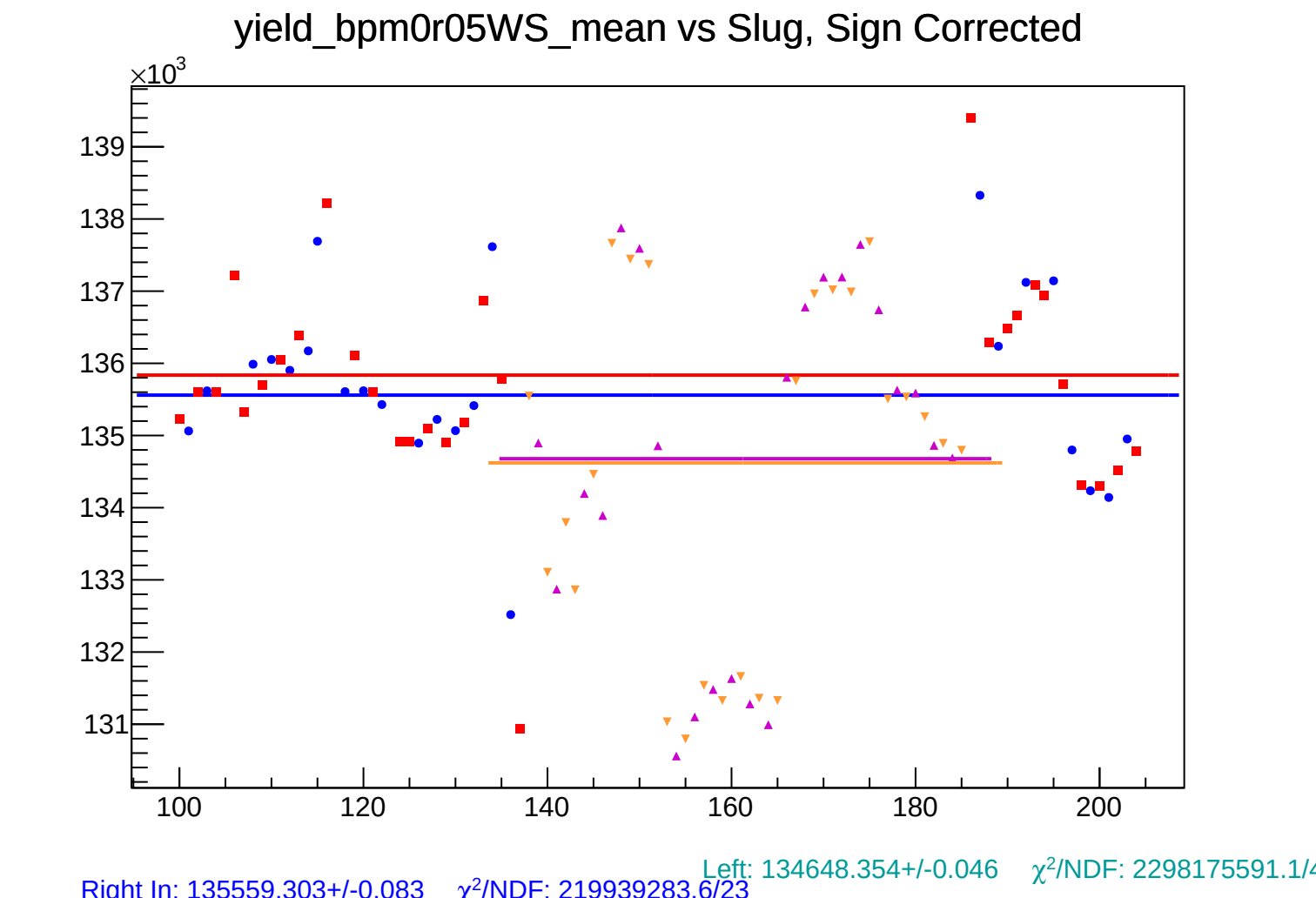
Left: 302.256+/-0.036 χ^2/NDF: 1854562.6/47

Right: 300.848+/-0.043 χ^2/NDF: 6255385.2/53

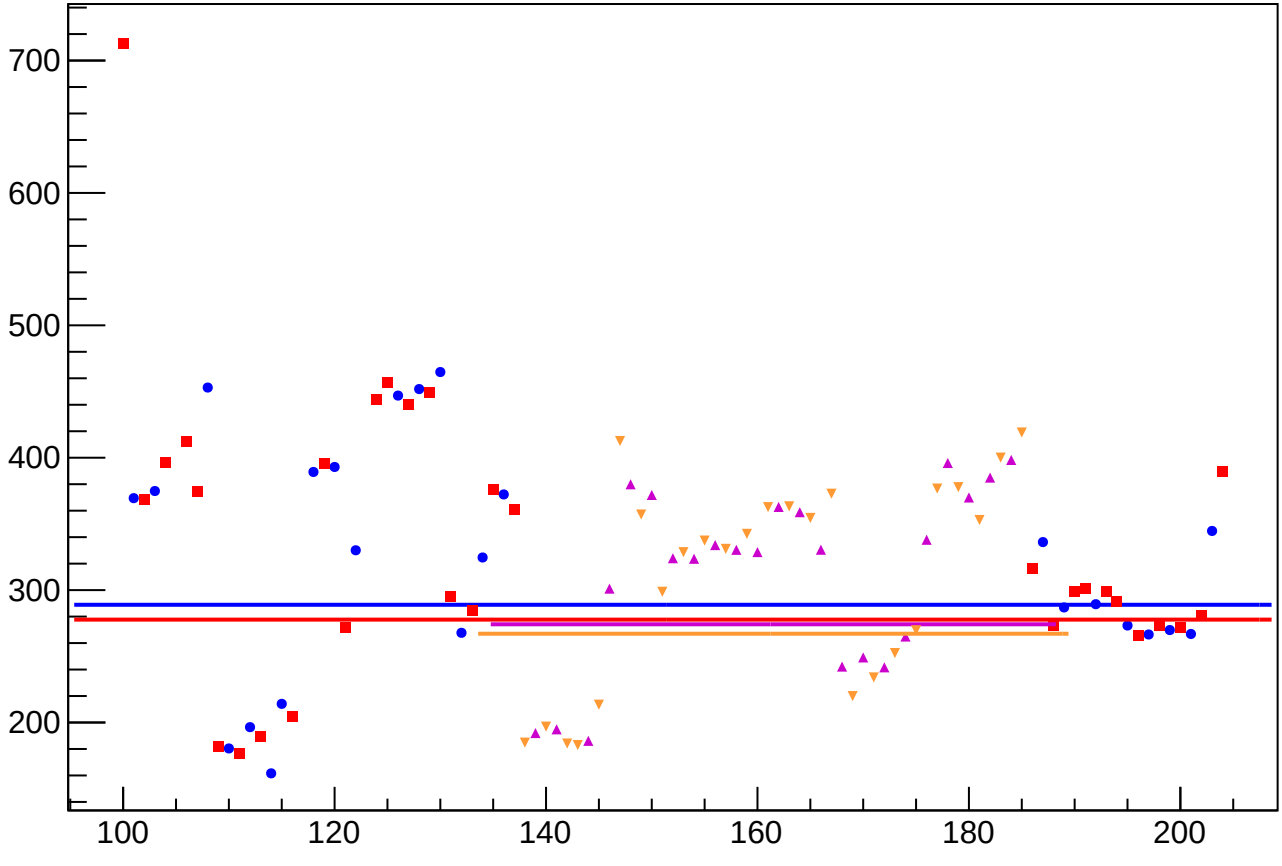
In: 298.865+/-0.040 χ^2/NDF:3885306.5/46

Out: 304.314+/-0.038 χ^2/NDF:4215466.9/54

All: 301.682+/-0.027 χ^2/NDF: 8110580.9/101


yield_bpm0r05WS_mean vs Slug, Sign Corrected
×10^3
139
138
137
136
135
134
133
132
131
100
120
140
160
180
200
Right In: 135559.303+/-0.083 χ²/NDF: 219939283.6/23
Left Out: 134620.993+/-0.064 χ²/NDF:1201492843.7/24
Right Out: 135836.790+/-0.074 χ²/NDF: 256953050.7/29
Left In: 134678.497+/-0.067 χ²/NDF:1096295429.9/22
Left: 134648.354+/-0.046 χ²/NDF: 2298175591.1/4
Right: 135713.747+/-0.055 χ²/NDF: 483099514.2/5
In: 135024.888+/-0.052 χ²/NDF:1384412257.4/46
Out: 135137.455+/-0.048 χ²/NDF:1613021618.1/5
All: 135085.390+/-0.035 χ²/NDF: 29999421

yield_bpm0r05WS_rms vs Slug, Sign Corrected



Right In: 288.922+/-0.059 χ^2/NDF: 1537037.6/23

Left Out: 267.053+/-0.045 χ^2/NDF:2843307.1/24

Right Out: 277.715+/-0.052 χ^2/NDF: 1871077.0/29

Left In: 274.177+/-0.047 χ^2/NDF:2236755.2/22

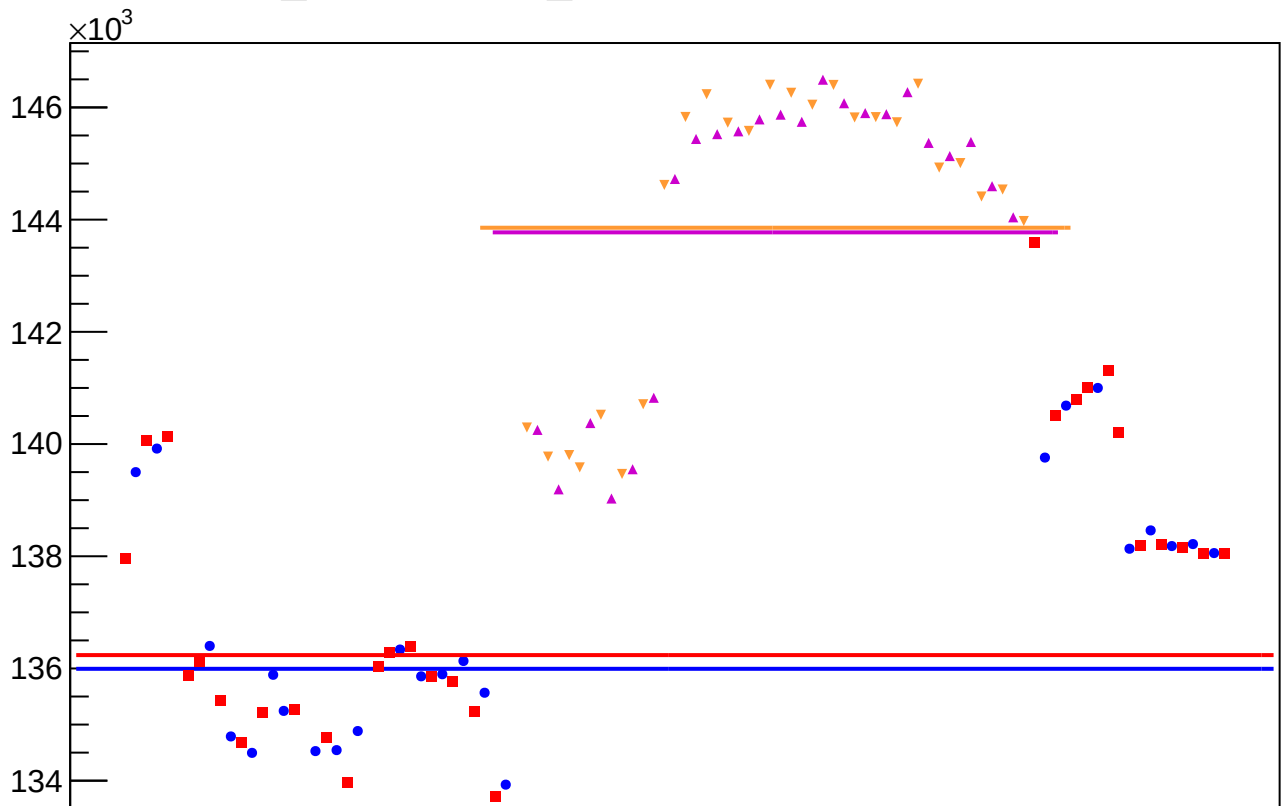
Left: 270.443+/-0.033 χ^2/NDF: 5091950.9/47

Right: 282.685+/-0.039 χ^2/NDF: 3428364.2/53

In: 279.976+/-0.037 χ^2/NDF:3812005.0/46

Out: 271.582+/-0.034 χ^2/NDF:4738158.9/54

All: 275.465+/-0.025 χ^2/NDF: 8578054.9/101



Right In: 135993.924+/-0.049 χ^2/NDF: 1426184048.1/23

Left Out: 143855.894+/-0.048 χ^2/NDF:3130204188.4/24

Right Out: 136238.422+/-0.046 χ^2/NDF: 2135769524.0/29

Left In: 143773.112+/-0.051 χ^2/NDF:2803362782.2/22

Left: 143816.659+/-0.035 χ^2/NDF: 5934957242.3/4

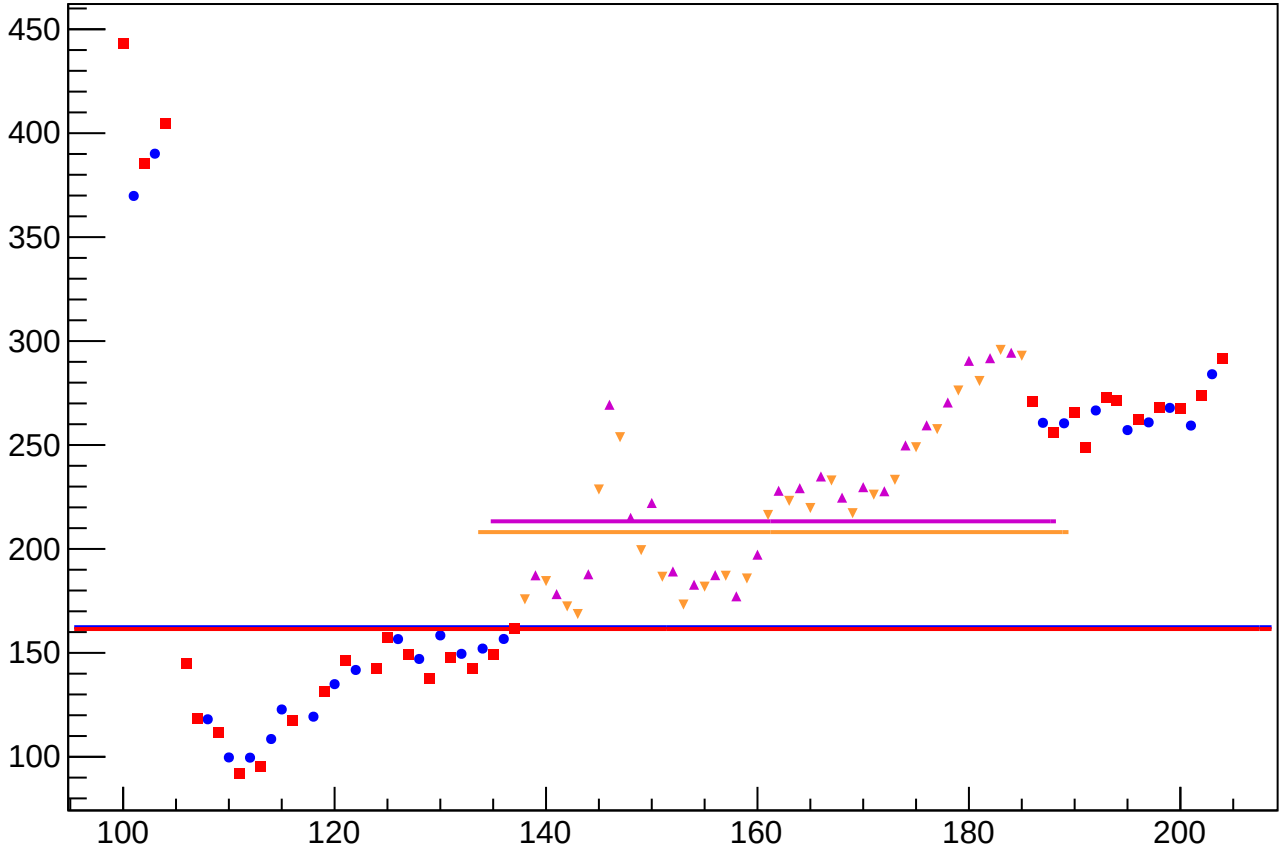
Right: 136124.781+/-0.033 χ^2/NDF: 3575352728.8/

In: 139723.341+/-0.035 χ^2/NDF:16379596862.5/4

Out: 139820.380+/-0.033 χ^2/NDF:18424263274.8

All: 139774.855+/-0.024 χ^2/NDF: 34807881

yield_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 162.355+/-0.035 χ^2/NDF: 3635893.2/23

Left Out: 208.100+/-0.034 χ^2/NDF:993011.6/24

Right Out: 161.471+/-0.032 χ^2/NDF: 4775965.8/29

Left In: 213.288+/-0.036 χ^2/NDF:865525.4/22

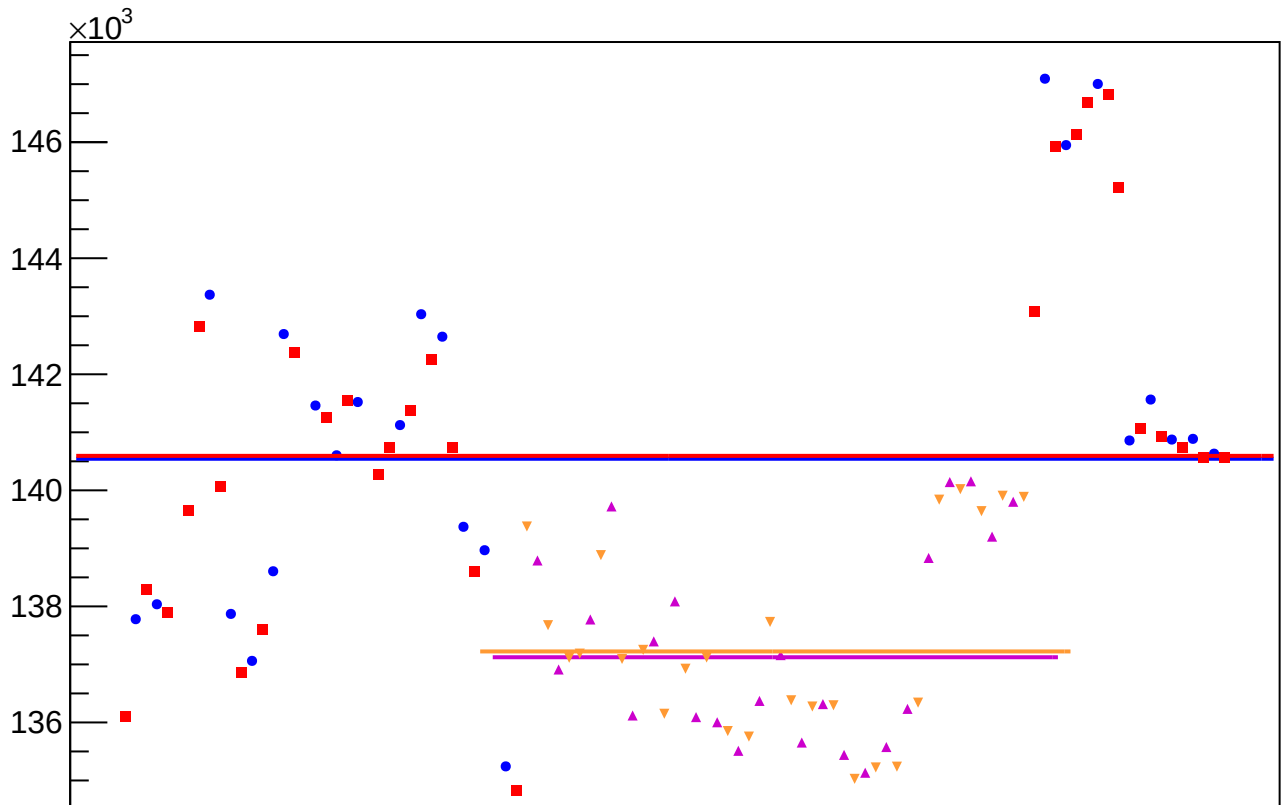
Left: 210.559+/-0.025 χ^2/NDF: 1869455.6/47

Right: 161.882+/-0.024 χ^2/NDF: 8412208.6/53

In: 186.772+/-0.025 χ^2/NDF:5543115.3/46

Out: 183.398+/-0.023 χ^2/NDF:6755072.1/54

All: 184.981+/-0.017 χ^2/NDF: 12307914.7/10



Right In: 140544.244+/-0.055 χ^2/NDF: 2807462107.8/23

Left Out: 137223.651+/-0.049 χ^2/NDF:894565924.0/24

Right Out: 140594.251+/-0.051 χ^2/NDF: 3239185758.8/29

Left In: 137123.557+/-0.051 χ^2/NDF:860635149.0/22

Left: 137175.466+/-0.035 χ^2/NDF: 1757205976.7/4

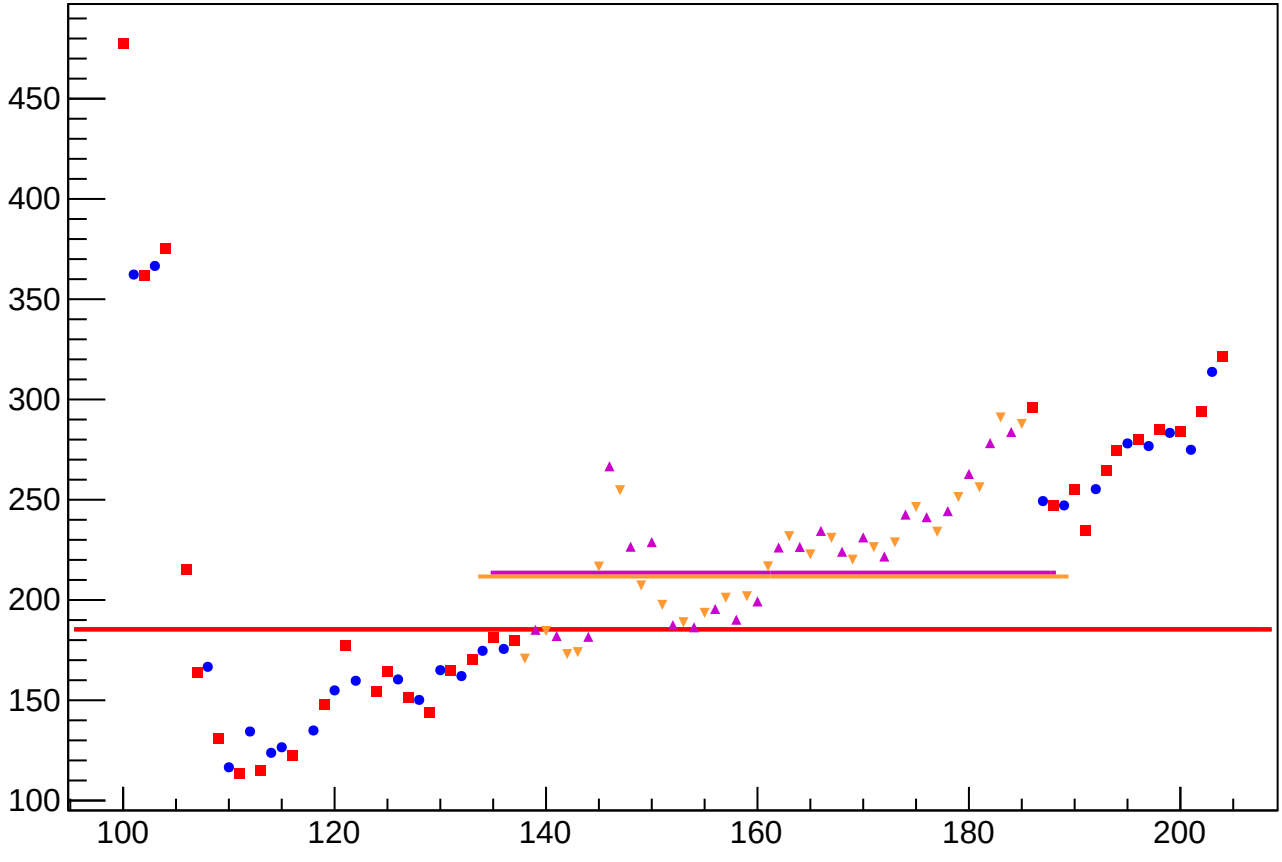
Right: 140570.933+/-0.037 χ^2/NDF: 6047094162.0/

In: 138711.639+/-0.037 χ^2/NDF:5764291150.4/46

Out: 138839.387+/-0.035 χ^2/NDF:6397623814.2/5

All: 138778.801+/-0.026 χ^2/NDF: 12168094

yield_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 185.401+/-0.039 χ^2/NDF: 2685085.1/23

Left Out: 211.714+/-0.035 χ^2/NDF:675587.4/24

Right Out: 185.290+/-0.036 χ^2/NDF: 3628107.3/29

Left In: 213.641+/-0.036 χ^2/NDF:621332.1/22

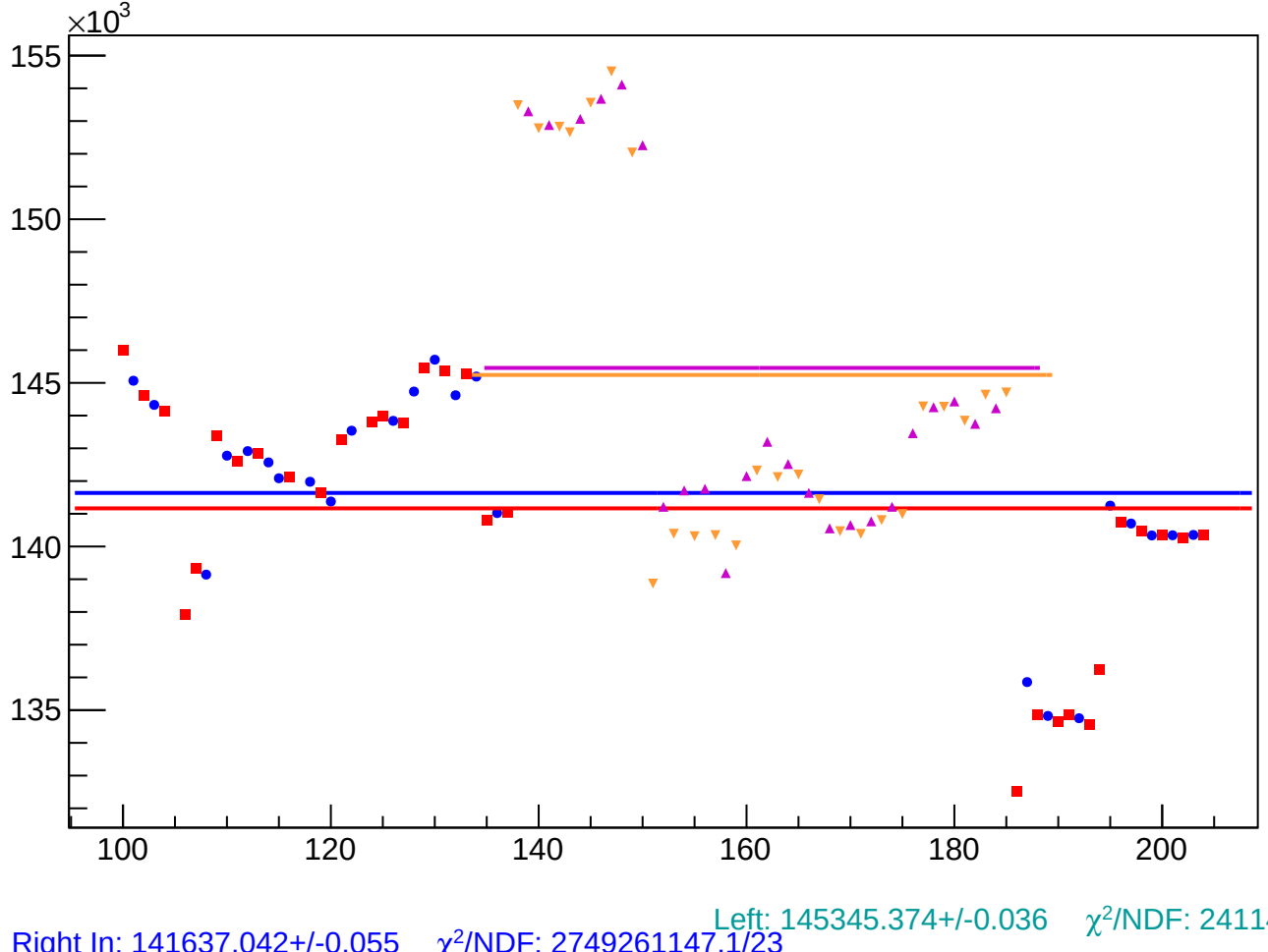
Left: 212.641+/-0.025 χ^2/NDF: 1298405.5/47

Right: 185.342+/-0.026 χ^2/NDF: 6313196.9/53

In: 200.530+/-0.026 χ^2/NDF:3592141.3/46

Out: 199.047+/-0.025 χ^2/NDF:4581969.1/54

All: 199.750+/-0.018 χ^2/NDF: 8175776.6/101



Right In: 141637.042+/-0.055 χ^2/NDF: 2749261147.1/23

Left Out: 145242.337+/-0.050 χ^2/NDF:13032998081.1/24

Right Out: 141165.048+/-0.051 χ^2/NDF: 4395319887.1/29

Left In: 145456.704+/-0.052 χ^2/NDF:11073020116.4/22

Left: 145345.374+/-0.036 χ^2/NDF: 24114988758.0

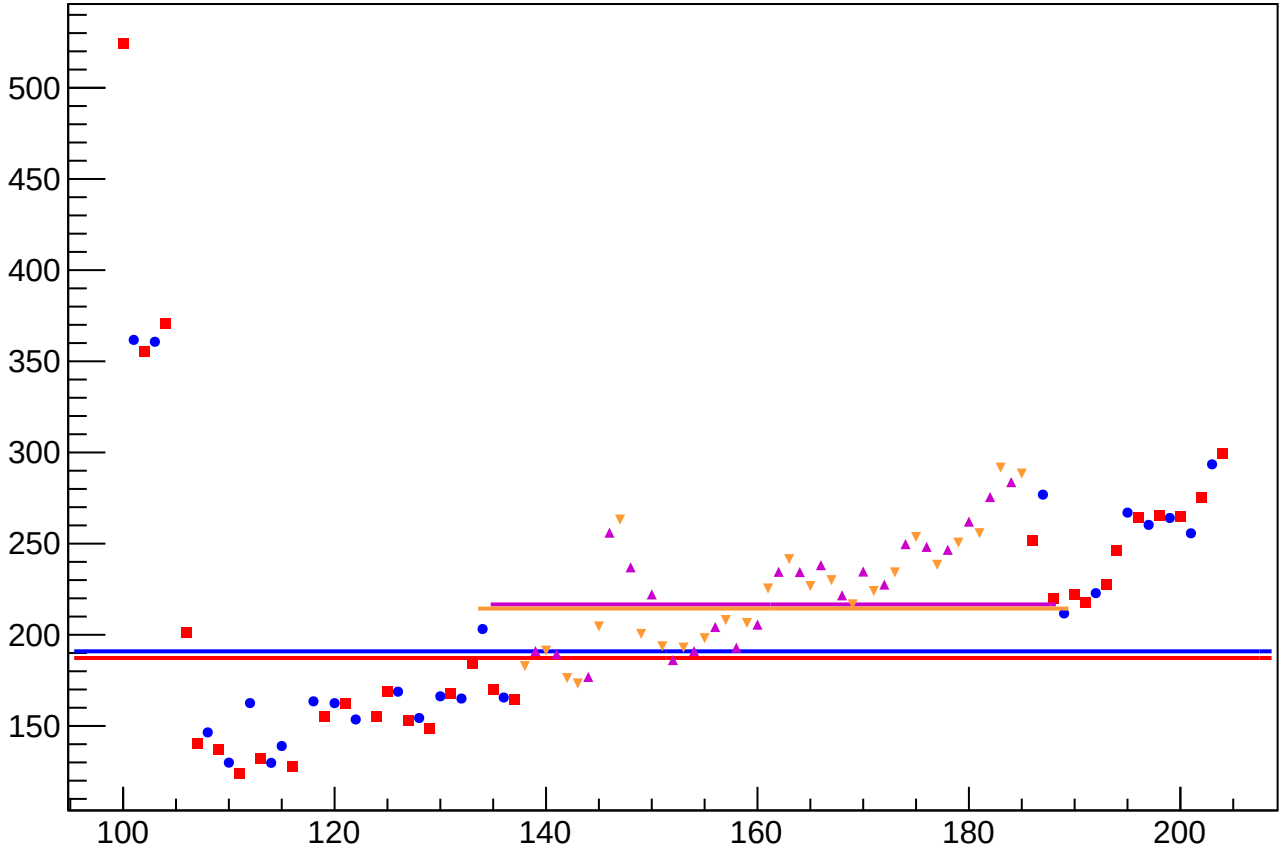
Right: 141380.123+/-0.037 χ^2/NDF: 7184020918.1/

In: 143684.814+/-0.038 χ^2/NDF:16366243815.9/4

Out: 143248.886+/-0.035 χ^2/NDF:20729316857.2

All: 143453.221+/-0.026 χ^2/NDF: 3716634

yield_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 190.943+/-0.039 χ^2/NDF: 1935535.6/23

Left Out: 214.391+/-0.035 χ^2/NDF:643384.3/24

Right Out: 187.289+/-0.036 χ^2/NDF: 2605613.2/29

Left In: 216.654+/-0.036 χ^2/NDF:587166.8/22

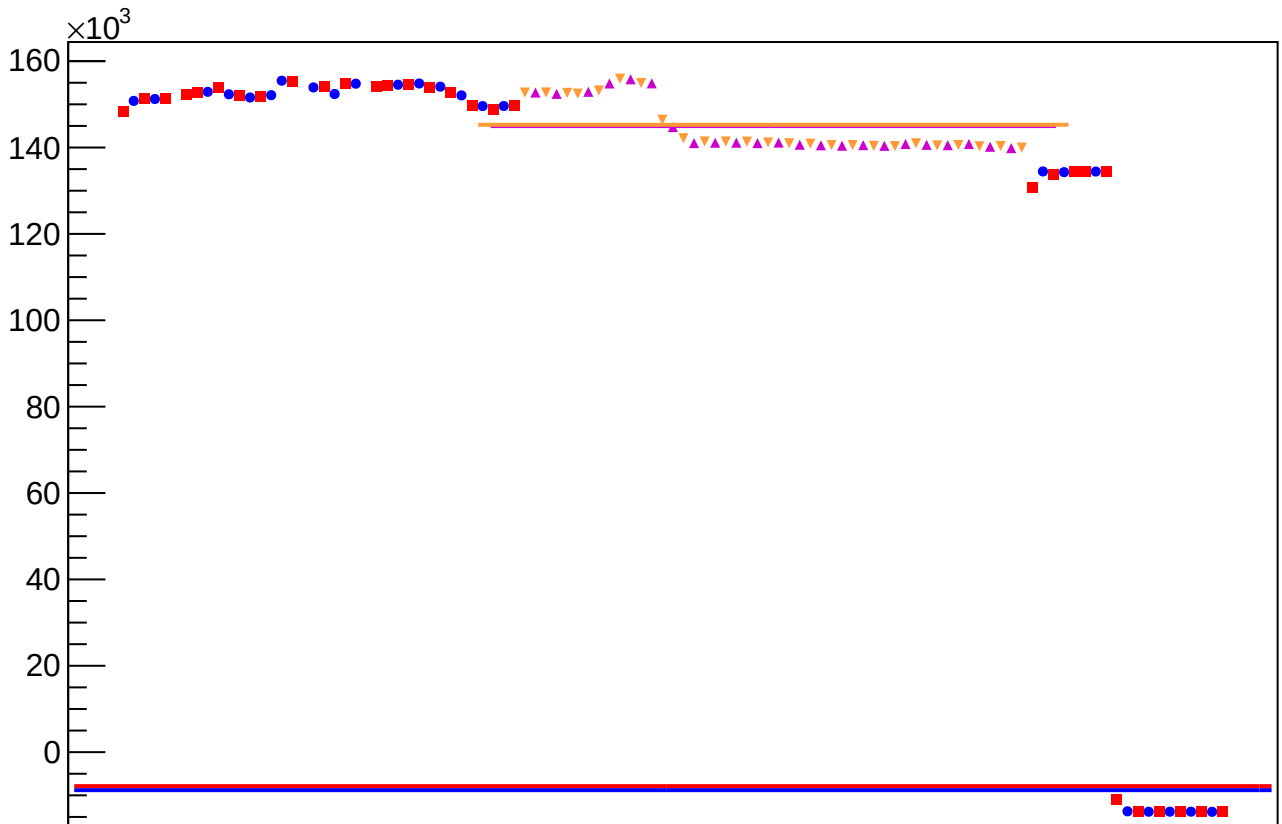
Left: 215.479+/-0.025 χ^2/NDF: 1232550.4/47

Right: 188.954+/-0.026 χ^2/NDF: 4545877.6/53

In: 204.727+/-0.027 χ^2/NDF:2753230.4/46

Out: 201.140+/-0.025 χ^2/NDF:3540704.2/54

All: 202.822+/-0.018 χ^2/NDF: 6303518.9/101



Right In: -8797.904+/-0.012 χ^2/NDF: 5802443748044.1/23

Left Out: 145269.857+/-0.049 χ^2/NDF:13706269279.5/24

Right Out: -7865.801+/-0.011 χ^2/NDF: 7054488327091.9/29

Left In: 144966.398+/-0.051 χ^2/NDF:13154547043.3/22

Left: 145123.606+/-0.036 χ^2/NDF: 26879011850.5

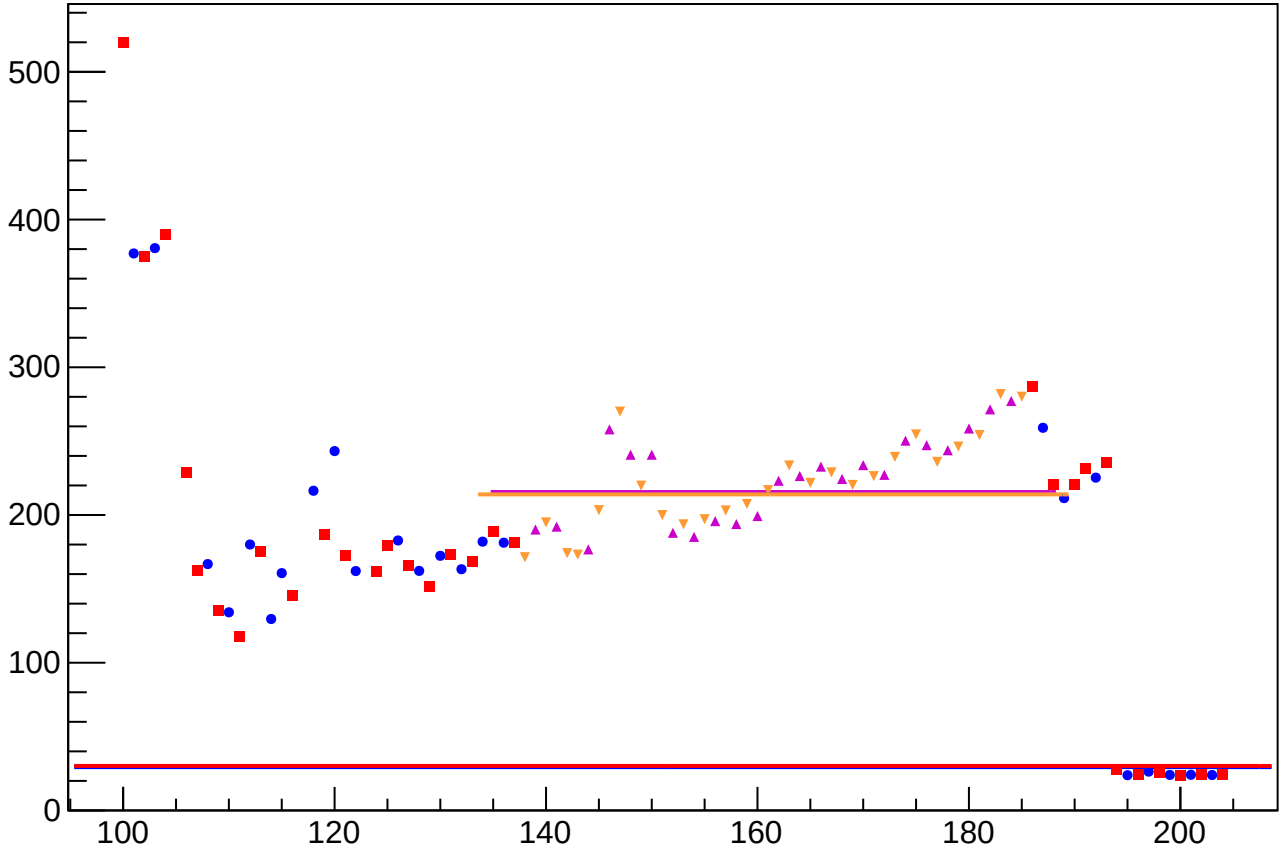
Right: -8314.859+/-0.008 χ^2/NDF: 1286023813268

In: -1205.289+/-0.011 χ^2/NDF:14388084769572.7

Out: -309.309+/-0.011 χ^2/NDF:16208077071577.7

All: -740.973+/-0.008 χ^2/NDF: 3059937524

yield_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 29.347+/-0.008 χ^2/NDF: 12516762.1/23

Left Out: 213.951+/-0.035 χ^2/NDF:650607.8/24

Right Out: 30.125+/-0.008 χ^2/NDF: 14235932.6/29

Left In: 215.539+/-0.036 χ^2/NDF:600575.7/22

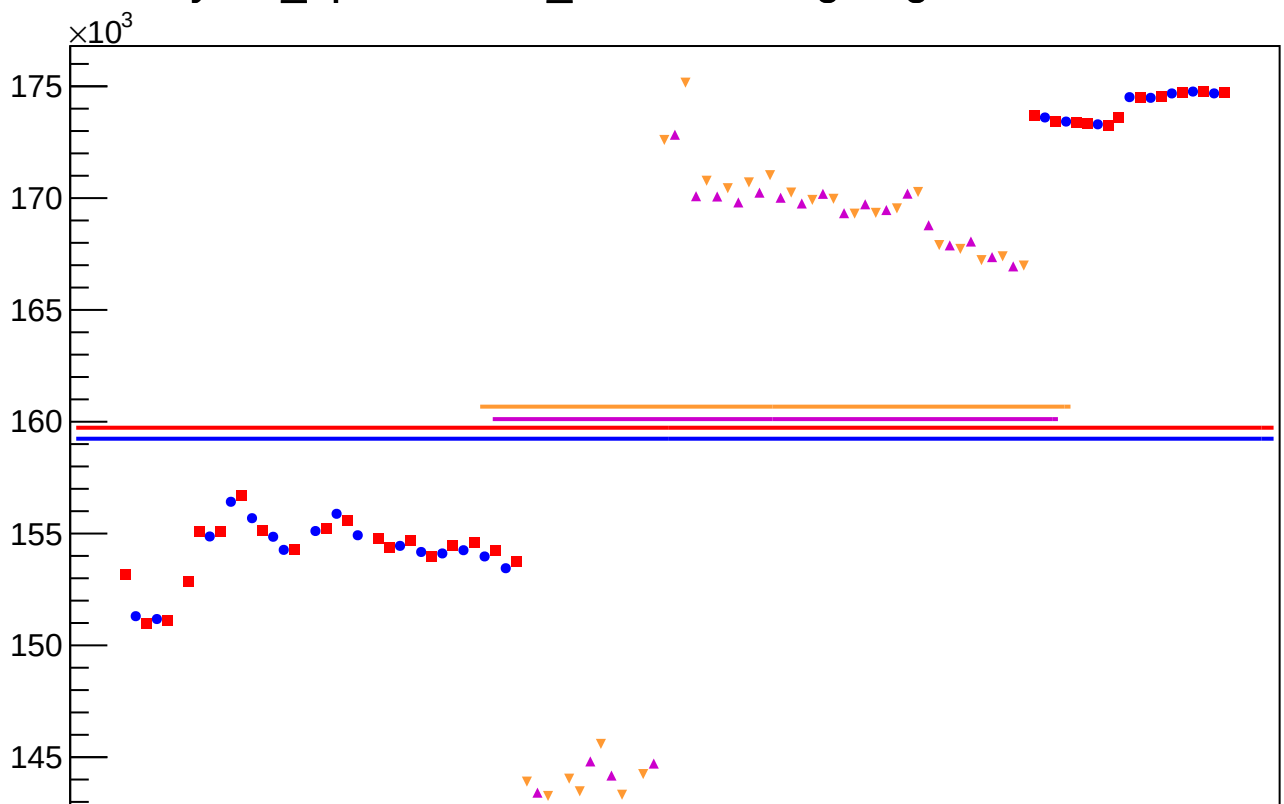
Left: 214.716+/-0.025 χ^2/NDF: 1252179.3/47

Right: 29.750+/-0.006 χ^2/NDF: 26757311.6/53

In: 38.540+/-0.008 χ^2/NDF:38256331.9/46

Out: 39.196+/-0.008 χ^2/NDF:41227424.0/54

All: 38.880+/-0.006 χ^2/NDF: 79487200.4/101



Right In: 159240.731+/-0.057 χ^2/NDF: 20989777428.2/23

Left Out: 160674.818+/-0.047 χ^2/NDF:74155131898.4/24

Right Out: 159732.527+/-0.053 χ^2/NDF: 25830448212.2/29

Left In: 160117.460+/-0.049 χ^2/NDF:66553191753.2/22

Left: 160407.689+/-0.034 χ^2/NDF: 140774615101.

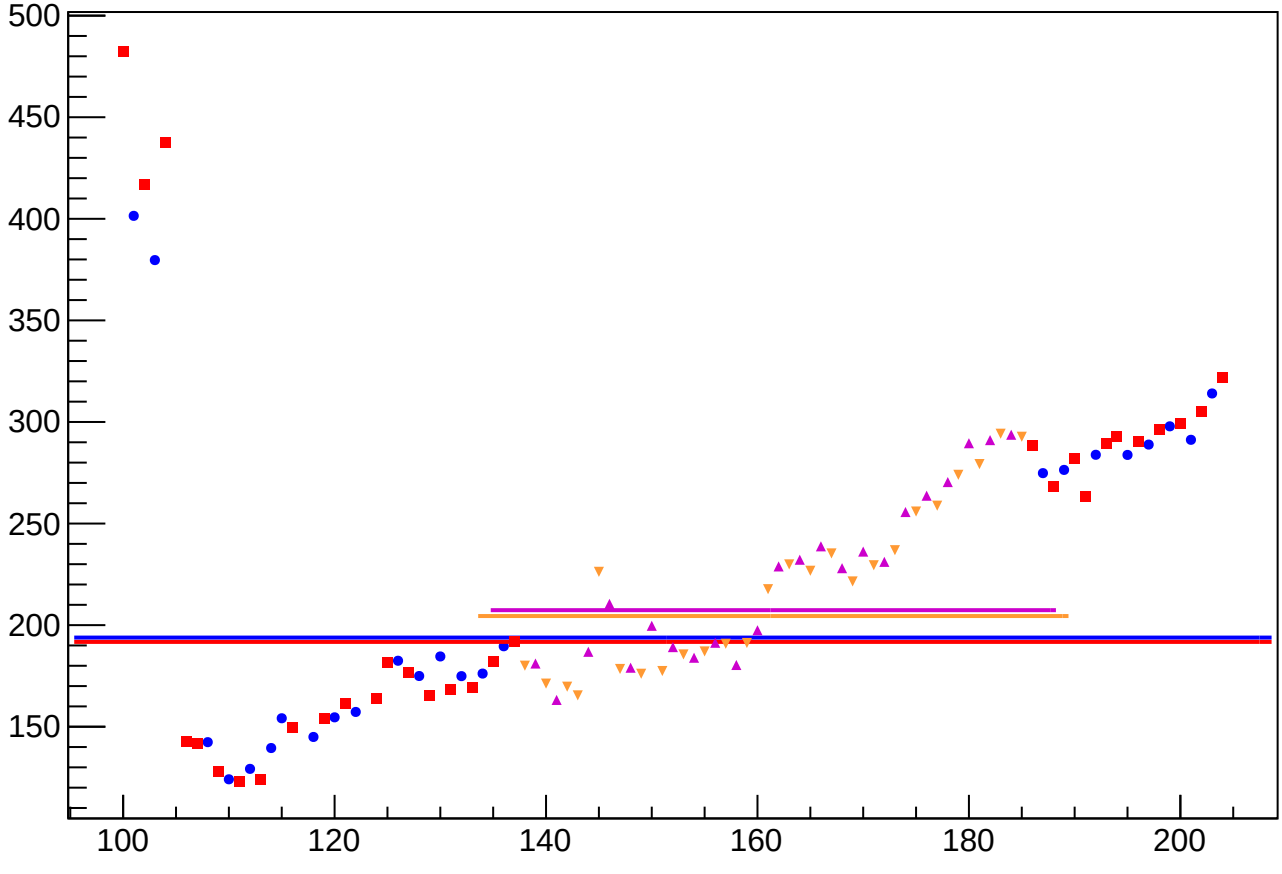
Right: 159506.798+/-0.039 χ^2/NDF: 46860260164.

In: 159742.699+/-0.037 χ^2/NDF:87677617365.9/4

Out: 160253.143+/-0.035 χ^2/NDF:100162495203.

All: 160013.035+/-0.026 χ^2/NDF: 18793881

yield_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 193.877+/-0.040 χ^2/NDF: 2799095.9/23

Left Out: 204.476+/-0.034 χ^2/NDF:1073199.0/24

Right Out: 191.749+/-0.037 χ^2/NDF: 3782089.5/29

Left In: 207.368+/-0.035 χ^2/NDF:956644.0/22

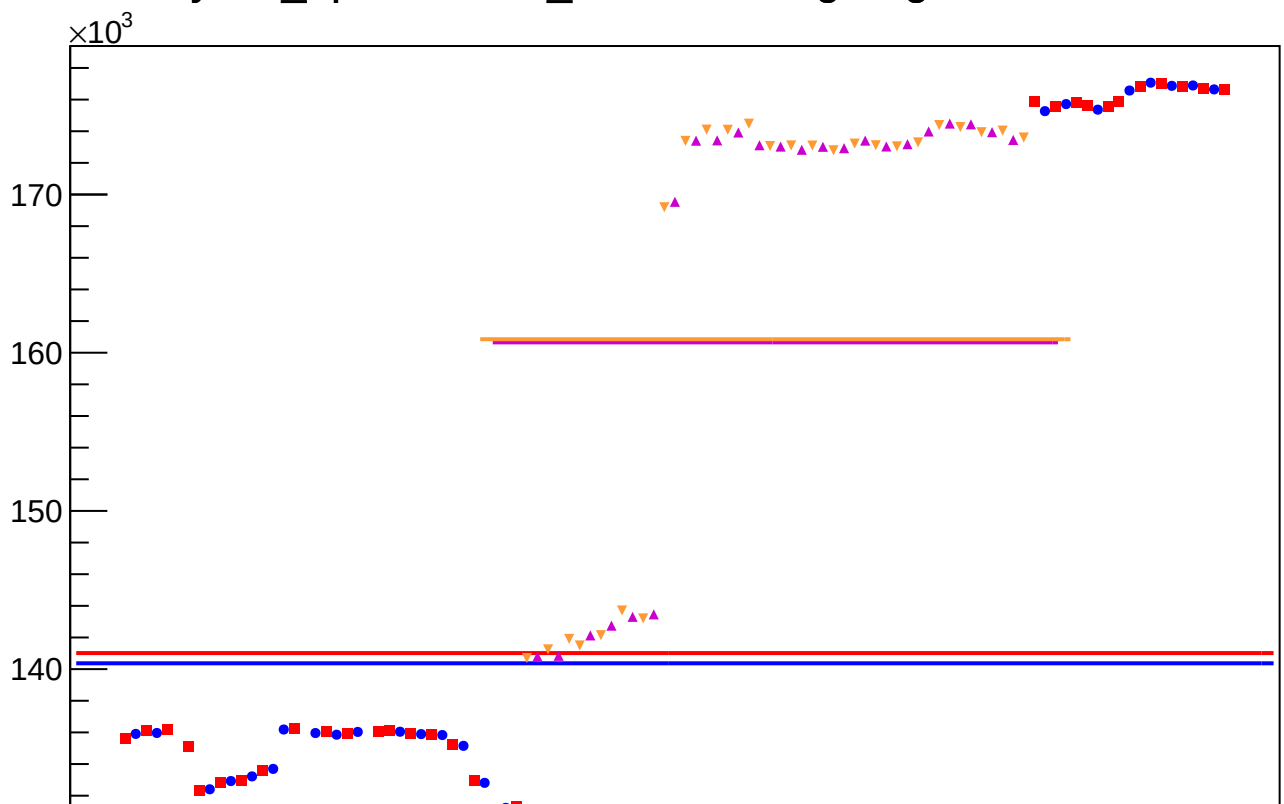
Left: 205.862+/-0.024 χ^2/NDF: 2033412.9/47

Right: 192.726+/-0.027 χ^2/NDF: 6582683.7/53

In: 201.601+/-0.026 χ^2/NDF:3819512.4/46

Out: 198.781+/-0.025 χ^2/NDF:4919834.7/54

All: 200.107+/-0.018 χ^2/NDF: 8745377.9/101



Right In: 140367.918+/-0.047 χ^2/NDF: 100558569823.1/23

Left Out: 160851.077+/-0.048 χ^2/NDF:99202825178.3/24

Right Out: 141013.999+/-0.044 χ^2/NDF: 125916725390.9/29

Left In: 160654.189+/-0.051 χ^2/NDF:90149721861.0/22

Left: 160756.959+/-0.035 χ^2/NDF: 189360447861.

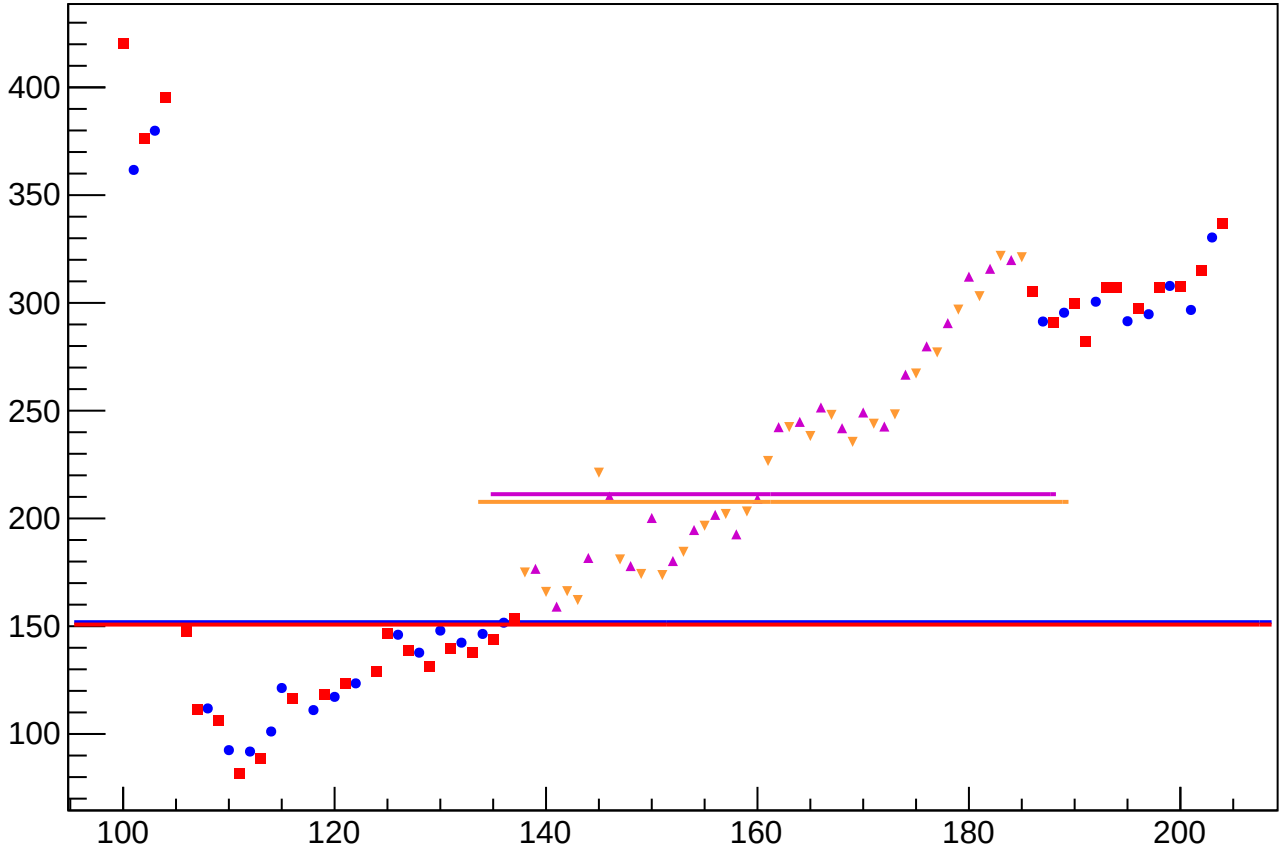
Right: 140712.909+/-0.032 χ^2/NDF: 226576159250

In: 149764.360+/-0.034 χ^2/NDF:276967751818.8

Out: 149965.325+/-0.033 χ^2/NDF:317189360487.

All: 149870.568+/-0.024 χ^2/NDF: 594175105

yield_bpm1i04WS_rms vs Slug, Sign Corrected



Right In: 151.866+/-0.033 χ^2/NDF: 4928482.3/23

Left Out: 207.689+/-0.034 χ^2/NDF:1500711.5/24

Right Out: 150.765+/-0.031 χ^2/NDF: 6499503.1/29

Left In: 211.254+/-0.036 χ^2/NDF:1305730.5/22

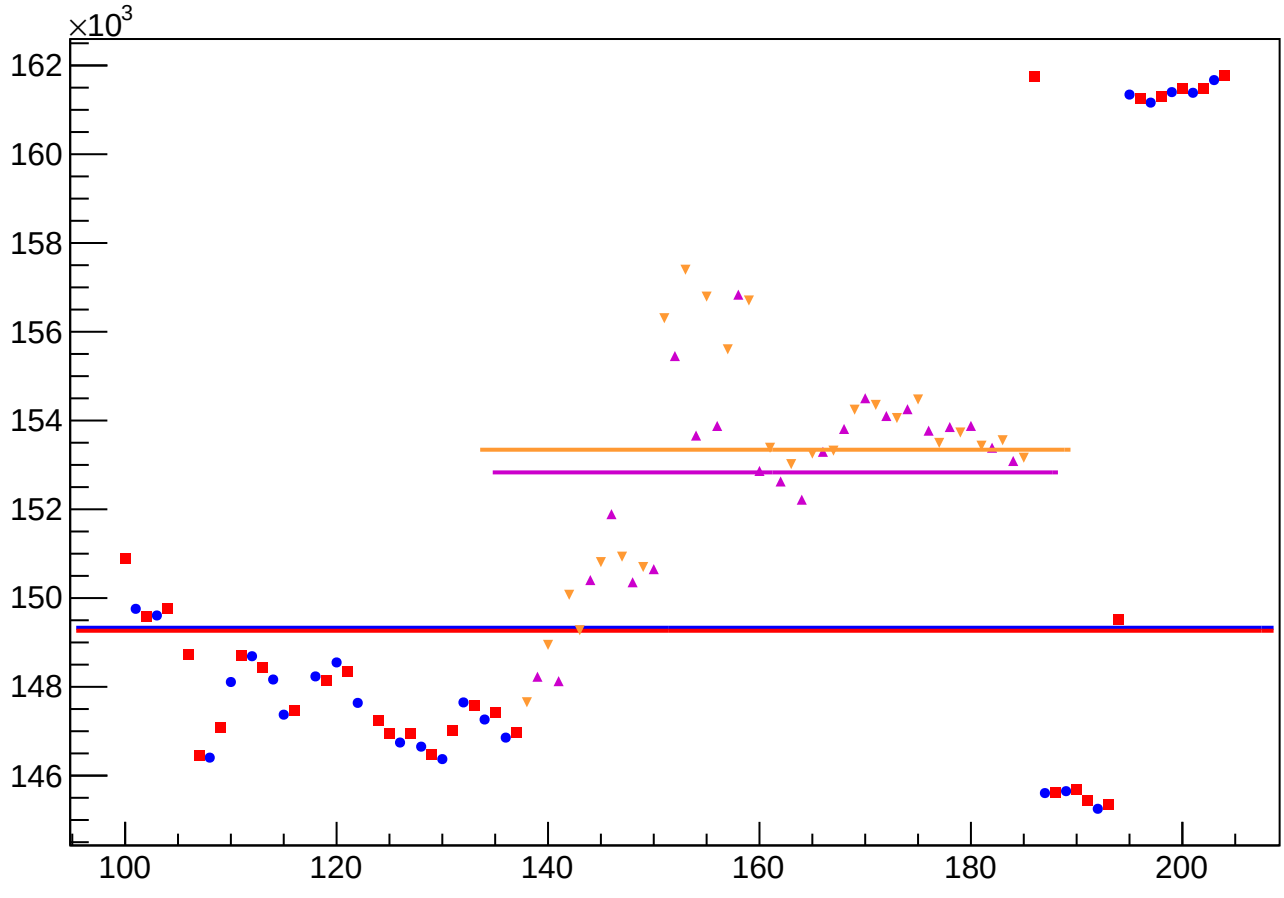
Left: 209.393+/-0.025 χ^2/NDF: 2811623.6/47

Right: 151.278+/-0.023 χ^2/NDF: 11428571.0/53

In: 179.374+/-0.024 χ^2/NDF:7712765.5/46

Out: 176.452+/-0.023 χ^2/NDF:9516504.2/54

All: 177.830+/-0.017 χ^2/NDF: 17236880.5/10



Right In: 149331.316+/-0.055 χ^2/NDF: 7821464039.3/23

Left Out: 153342.472+/-0.051 χ^2/NDF:2978670616.9/24

Right Out: 149263.647+/-0.051 χ^2/NDF: 8262921344.0/29

Left In: 152831.399+/-0.053 χ^2/NDF:1914395326.4/22

Left: 153096.797+/-0.037 χ^2/NDF: 4941719474.7/4

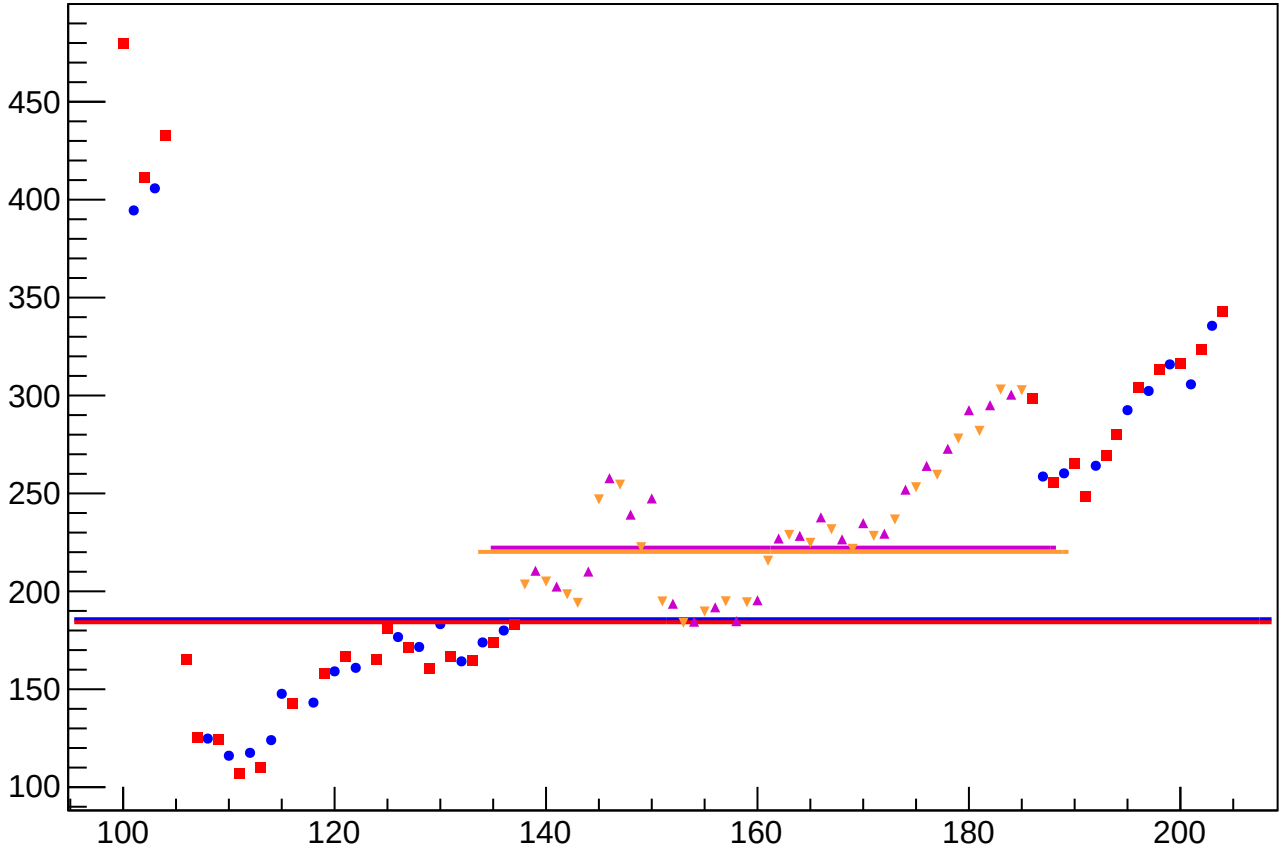
Right: 149294.867+/-0.038 χ^2/NDF: 16085187742.

In: 151166.806+/-0.038 χ^2/NDF:11825739318.9/4

Out: 151323.574+/-0.036 χ^2/NDF:14432542638.4

All: 151249.687+/-0.026 χ^2/NDF: 26267169

yield_bpm1i06WS_rms vs Slug, Sign Corrected



Right In: 185.753+/-0.039 χ^2/NDF: 3358978.5/23

Left Out: 220.156+/-0.036 χ^2/NDF:685590.6/24

Right Out: 184.224+/-0.036 χ^2/NDF: 4394595.6/29

Left In: 222.304+/-0.037 χ^2/NDF:697605.9/22

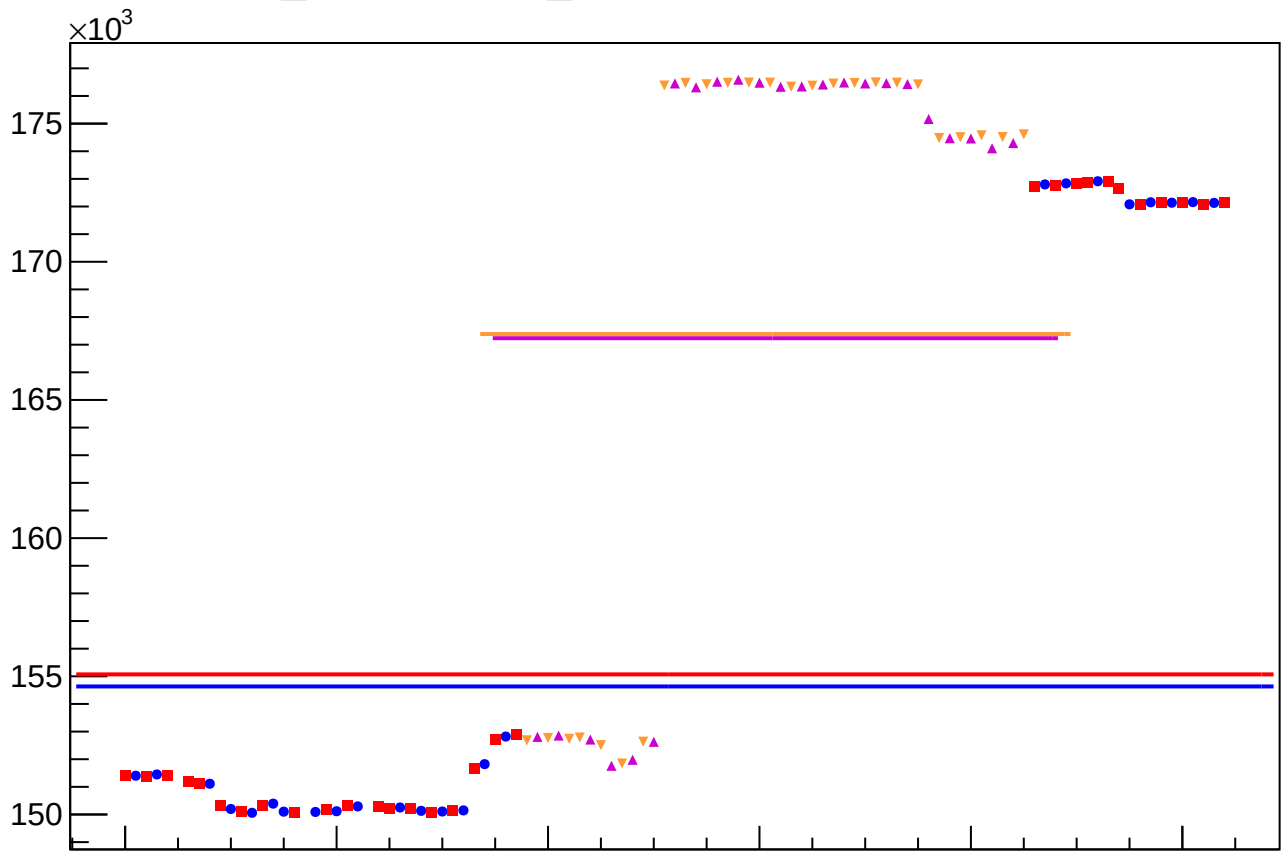
Left: 221.189+/-0.026 χ^2/NDF: 1384916.2/47

Right: 184.930+/-0.027 χ^2/NDF: 7754392.9/53

In: 204.921+/-0.027 χ^2/NDF:4512408.5/46

Out: 202.371+/-0.026 χ^2/NDF:5575437.0/54

All: 203.573+/-0.019 χ^2/NDF: 10092549.2/10



Right In: 154633.107+/-0.049 χ^2/NDF: 29933703709.2/23

Left Out: 167385.483+/-0.047 χ^2/NDF:59602607546.2/24

Right Out: 155069.740+/-0.045 χ^2/NDF: 38151226546.1/29

Left In: 167234.214+/-0.049 χ^2/NDF:55099214555.0/22

Left: 167313.229+/-0.034 χ^2/NDF: 114706826739.

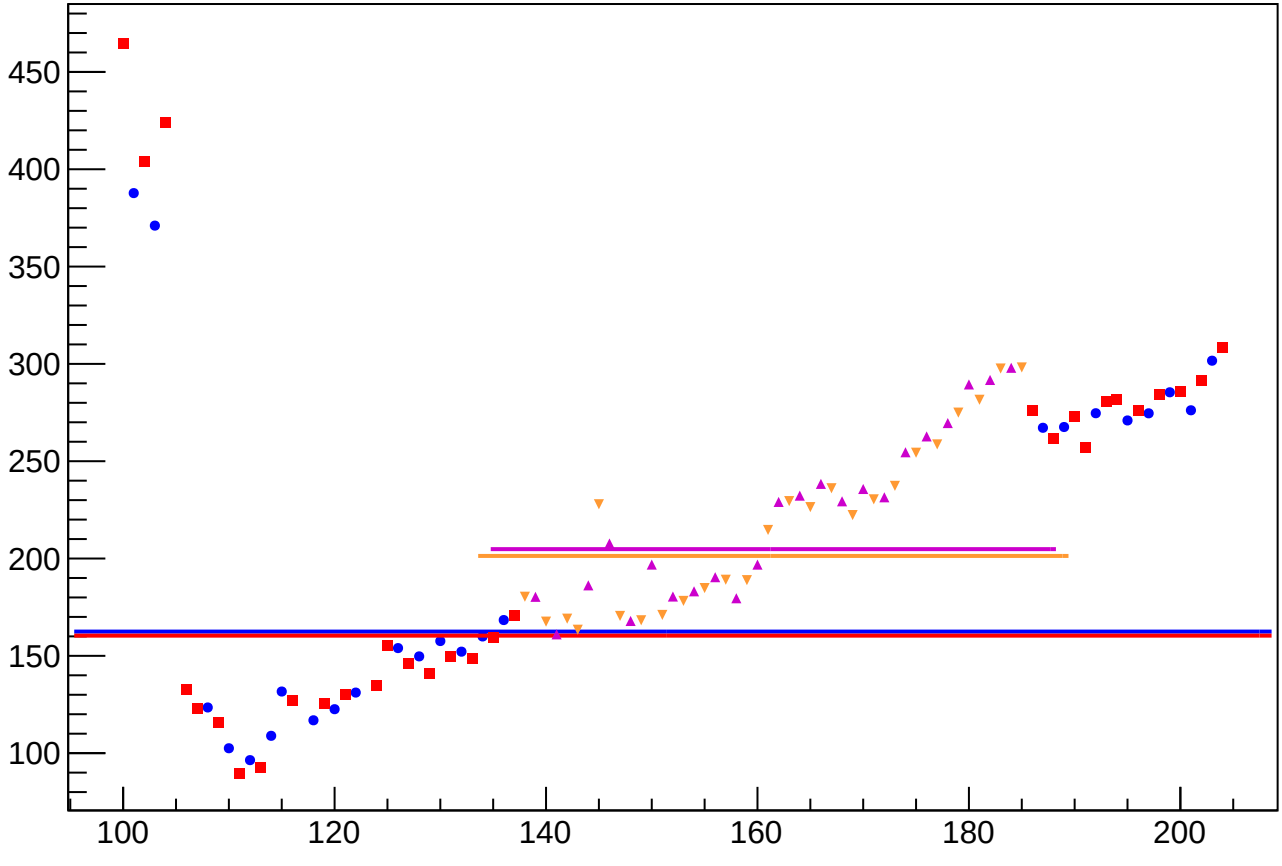
Right: 154869.044+/-0.033 χ^2/NDF: 68127396763.5

In: 160982.816+/-0.035 χ^2/NDF:118016437383.9

Out: 161053.055+/-0.033 χ^2/NDF:133464098861.

All: 161020.145+/-0.024 χ^2/NDF: 25148271

yield_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 162.461+/-0.035 χ^2/NDF: 3968729.1/23

Left Out: 201.329+/-0.033 χ^2/NDF:1230655.6/24

Right Out: 160.376+/-0.032 χ^2/NDF: 5292504.7/29

Left In: 204.826+/-0.035 χ^2/NDF:1053130.7/22

Left: 202.999+/-0.024 χ^2/NDF: 2289136.5/47

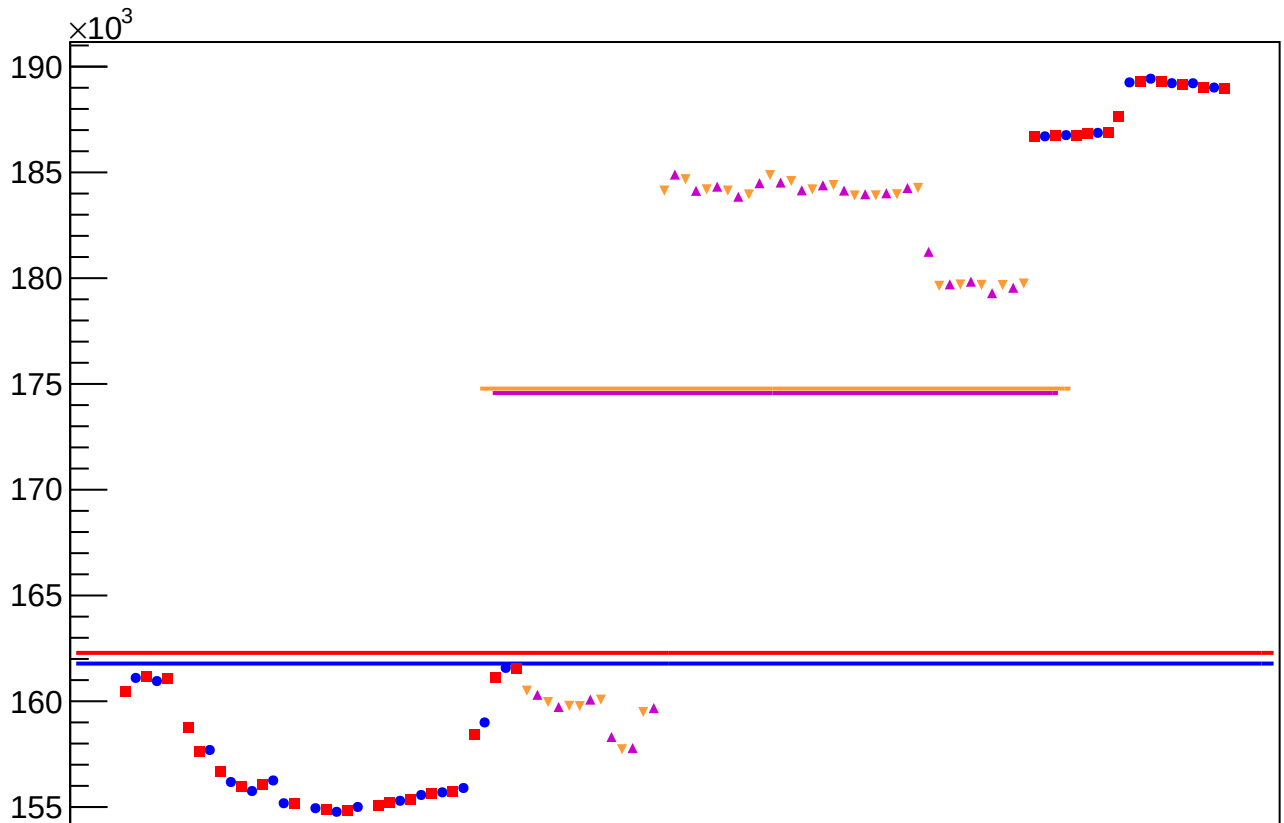
Right: 161.335+/-0.024 χ^2/NDF: 9263170.4/53

In: 183.809+/-0.025 χ^2/NDF:5767477.2/46

Out: 180.272+/-0.023 χ^2/NDF:7312851.6/54

All: 181.929+/-0.017 χ^2/NDF: 13091376.9/10

yield_bpm2i02WS_mean vs Slug, Sign Corrected



Right In: 161782.017+/-0.052 χ^2/NDF: 54009326066.7/23

Left Out: 174780.651+/-0.048 χ^2/NDF:58132787948.0/24

Right Out: 162286.829+/-0.048 χ^2/NDF: 66508917144.5/29

Left In: 174570.001+/-0.050 χ^2/NDF:54757801795.4/22

Left: 174679.876+/-0.035 χ^2/NDF: 112899724862.

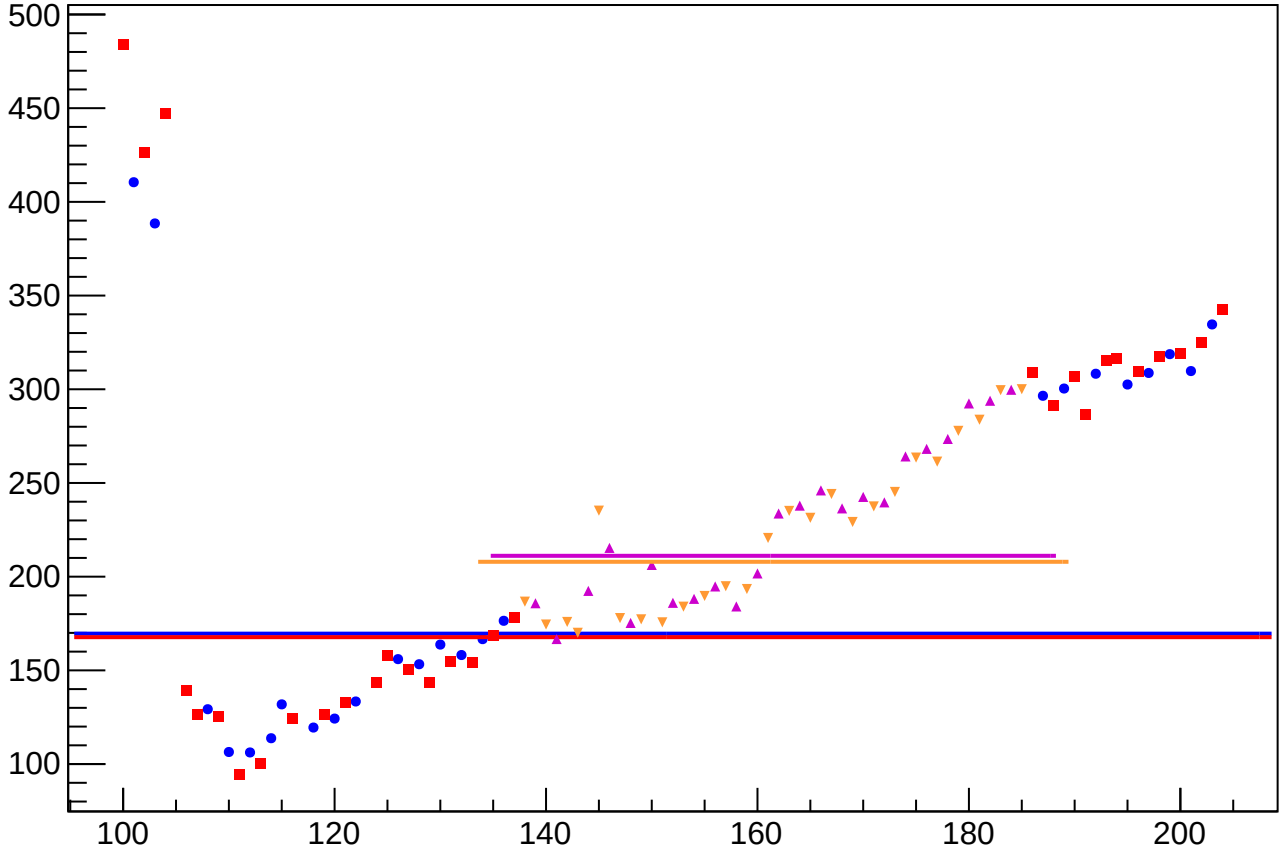
Right: 162054.170+/-0.035 χ^2/NDF: 120569249563

In: 168371.572+/-0.036 χ^2/NDF:140052361170.1

Out: 168505.143+/-0.034 χ^2/NDF:158381623808.

All: 168442.398+/-0.025 χ^2/NDF: 298441231

yield_bpm2i02WS_rms vs Slug, Sign Corrected



Right In: 169.592+/-0.037 χ^2/NDF: 4365682.1/23

Left Out: 207.940+/-0.034 χ^2/NDF:1132127.7/24

Right Out: 167.713+/-0.034 χ^2/NDF: 5792808.0/29

Left In: 211.133+/-0.036 χ^2/NDF:993720.4/22

Left: 209.467+/-0.025 χ^2/NDF: 2130047.7/47

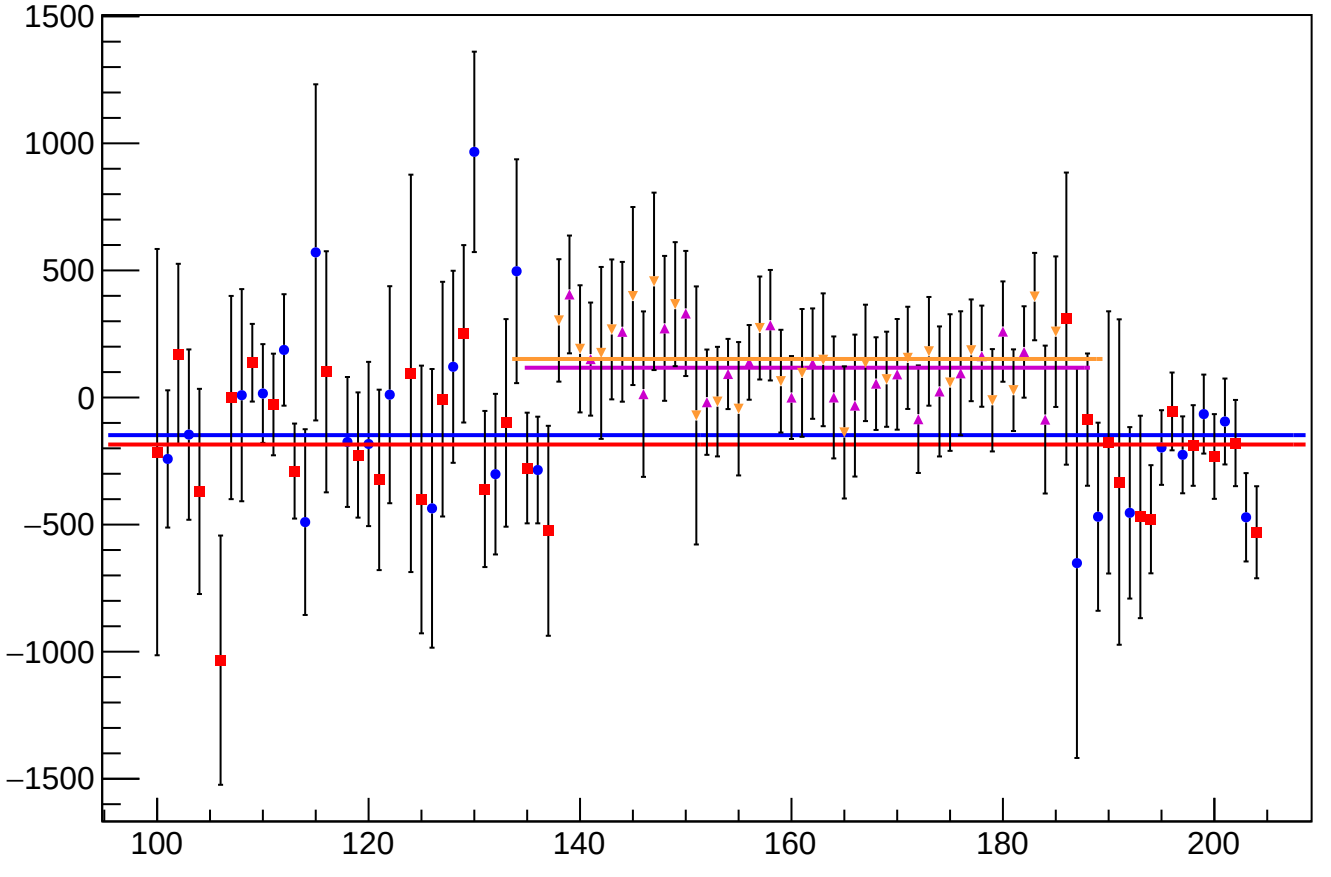
Right: 168.579+/-0.025 χ^2/NDF: 10159903.3/53

In: 190.998+/-0.026 χ^2/NDF:6019681.3/46

Out: 187.734+/-0.024 χ^2/NDF:7624472.4/54

All: 189.267+/-0.018 χ^2/NDF: 13652805.9/10

asym_bcm_target_mean vs Slug, Sign Corrected



Right In: -148.035+/-50.779 χ^2/NDF: 23.3/23

Left Out: 151.598+/-46.419 χ^2/NDF:9.6/24

Right Out: -184.940+/-47.183 χ^2/NDF: 21.4/29

Left In: 117.163+/-43.778 χ^2/NDF:7.5/22

Left: 133.373+/-31.848 χ^2/NDF: 17.4/47

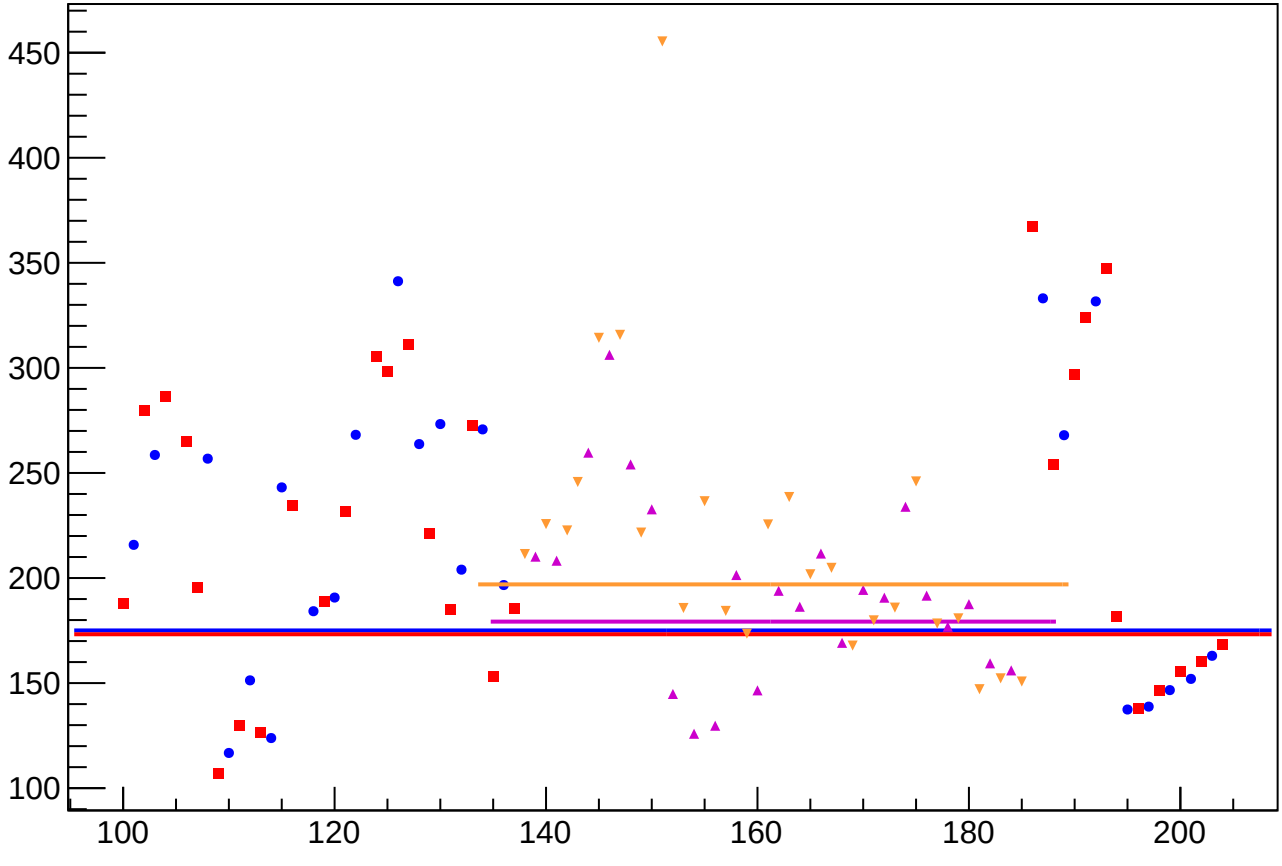
Right: -167.840+/-34.565 χ^2/NDF: 45.0/53

In: 4.093+/-33.157 χ^2/NDF:46.5/46

Out: -13.923+/-33.090 χ^2/NDF:56.8/54

All: -4.933+/-23.422 χ^2/NDF: 103.4/101

asym_bcm_target_rms vs Slug, Sign Corrected



Right In: 175.055+/-0.036 χ^2/NDF: 2165403.0/23

Left Out: 196.975+/-0.033 χ^2/NDF:1809307.4/24

Right Out: 173.239+/-0.033 χ^2/NDF: 2862576.2/29

Left In: 179.256+/-0.031 χ^2/NDF:1656023.5/22

Left: 187.597+/-0.023 χ^2/NDF: 3619571.5/47

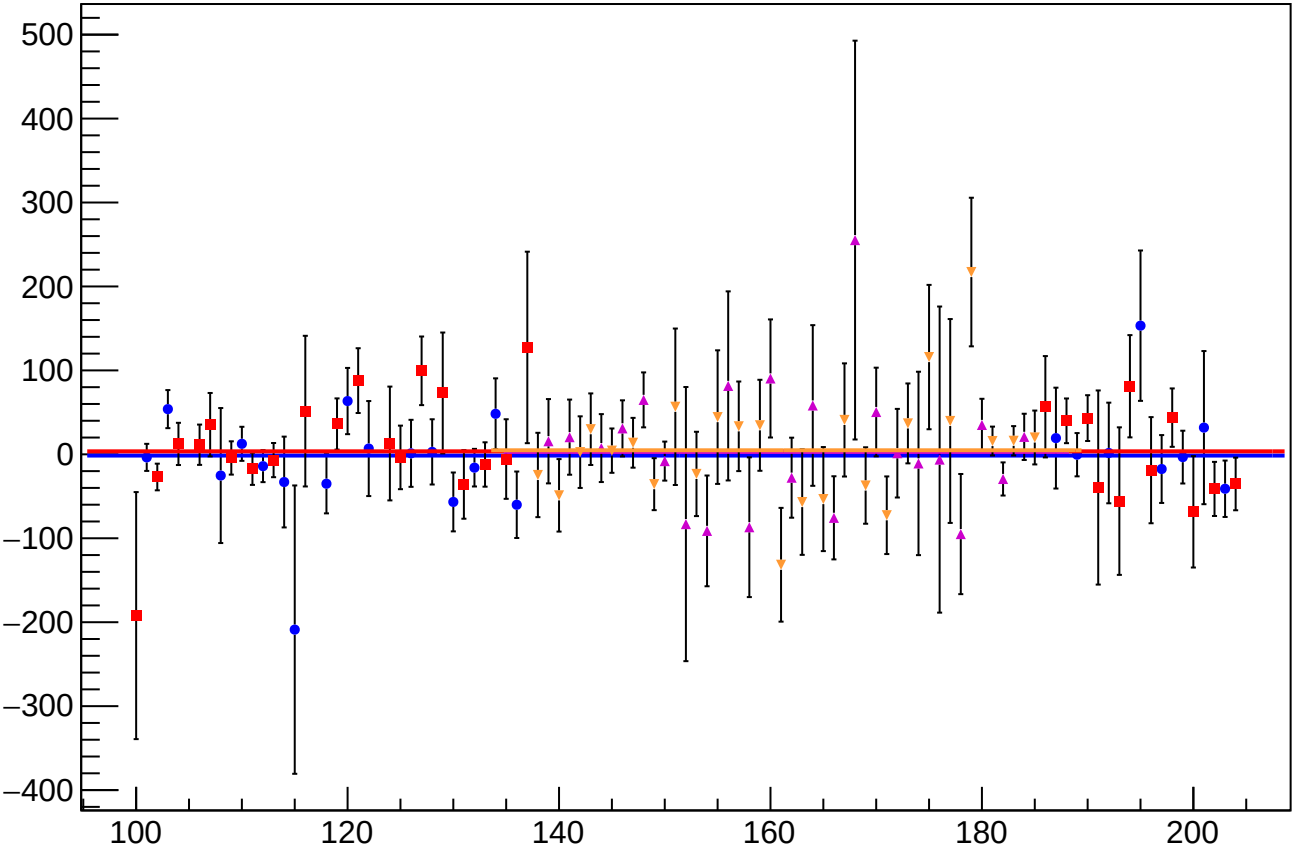
Right: 174.080+/-0.024 χ^2/NDF: 5029352.8/53

In: 177.465+/-0.023 χ^2/NDF:3829277.3/46

Out: 185.301+/-0.023 χ^2/NDF:4929095.2/54

All: 181.391+/-0.017 χ^2/NDF: 8814335.5/101

asym_bcm_an_diff_mean vs Slug, Sign Corrected



Right In: -1.449+/-6.541 χ^2/NDF: 23.7/23

Left Out: 4.803+/-7.601 χ^2/NDF:24.3/24

Right Out: 3.574+/-5.911 χ^2/NDF: 36.3/29

Left In: 2.918+/-8.840 χ^2/NDF:21.5/22

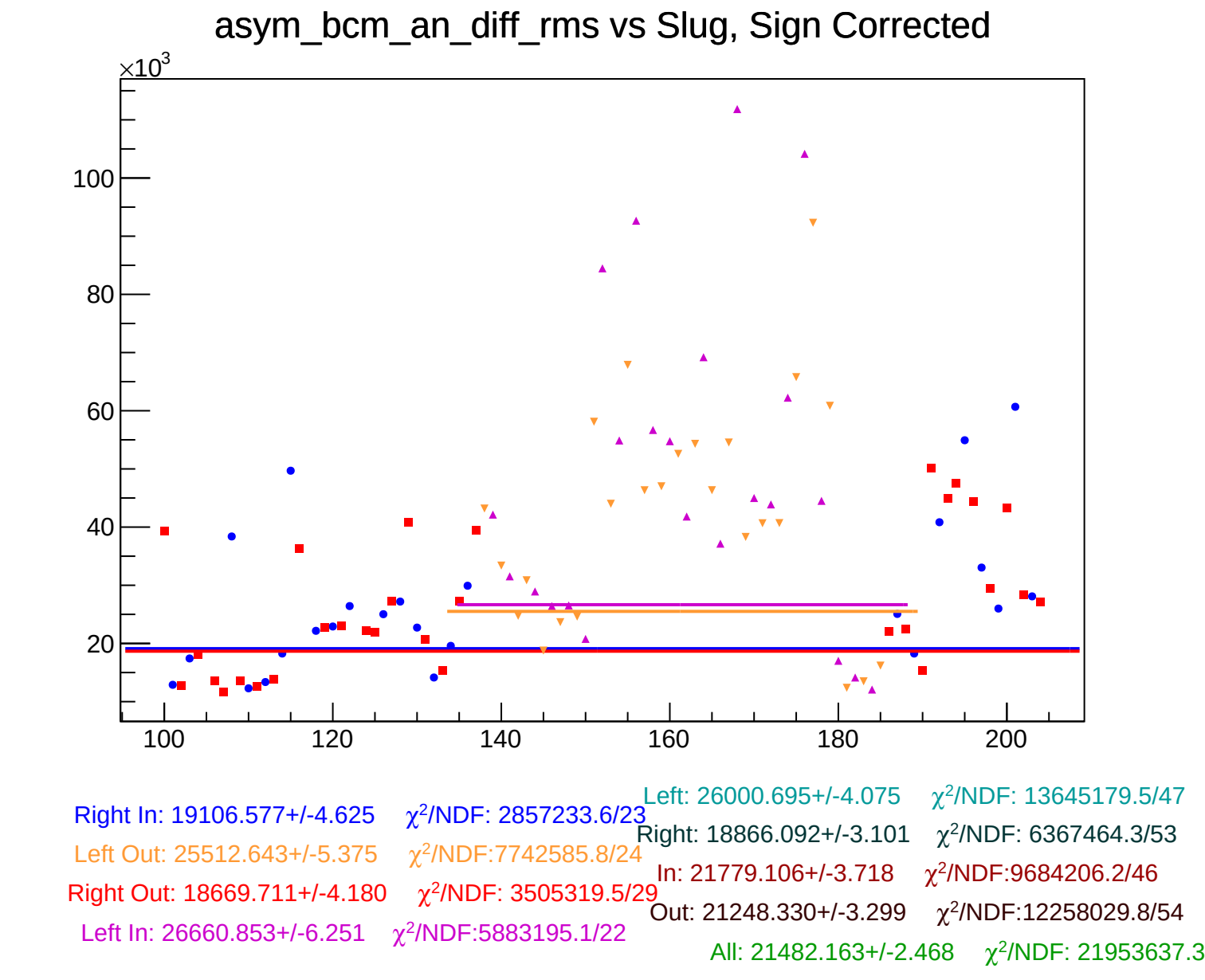
Left: 4.002+/-5.763 χ^2/NDF: 45.9/47

Right: 1.316+/-4.385 χ^2/NDF: 60.3/53

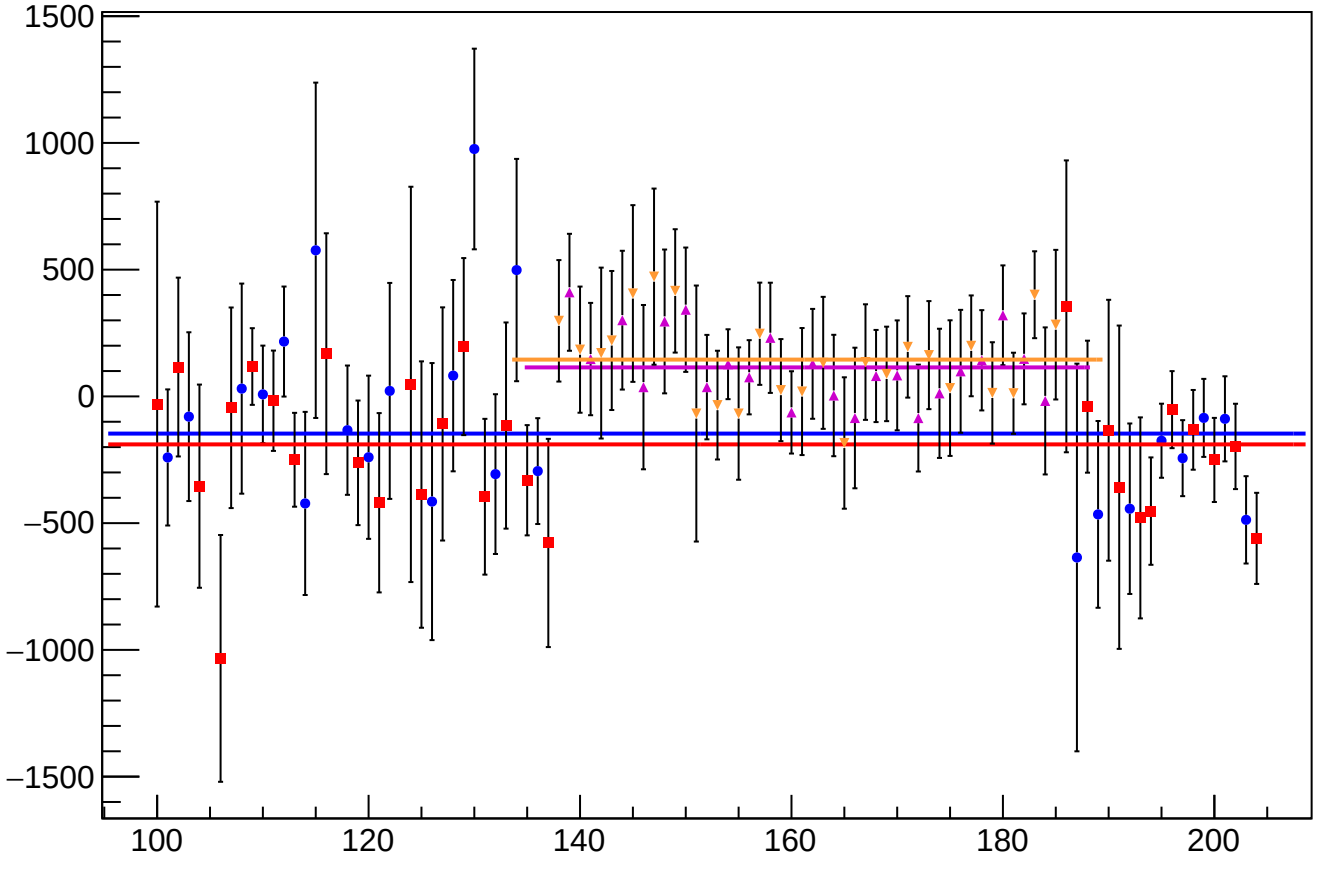
In: 0.096+/-5.258 χ^2/NDF:45.3/46

Out: 4.037+/-4.666 χ^2/NDF:60.6/54

All: 2.301+/-3.490 χ^2/NDF: 106.3/101


asym_bcm_an_diff_rms vs Slug, Sign Corrected
×10^3
100
80
60
40
20
100
120
140
160
180
200
Right In: 19106.577+/-4.625 χ²/NDF: 2857233.6/23
Left Out: 25512.643+/-5.375 χ²/NDF:7742585.8/24
Right Out: 18669.711+/-4.180 χ²/NDF: 3505319.5/29
Left In: 26660.853+/-6.251 χ²/NDF:5883195.1/22
Left: 26000.695+/-4.075 χ²/NDF: 13645179.5/47
Right: 18866.092+/-3.101 χ²/NDF: 6367464.3/53
In: 21779.106+/-3.718 χ²/NDF:9684206.2/46
Out: 21248.330+/-3.299 χ²/NDF:12258029.8/54
All: 21482.163+/-2.468 χ²/NDF: 21953637.3

asym_bcm_an_ds_mean vs Slug, Sign Corrected



Right In: -146.726+/-50.438 χ^2/NDF: 24.0/23

Left Out: 145.172+/-46.225 χ^2/NDF:11.2/24

Right Out: -189.306+/-46.896 χ^2/NDF: 22.2/29

Left In: 114.400+/-43.619 χ^2/NDF:8.4/22

Left: 128.894+/-31.725 χ^2/NDF: 19.8/47

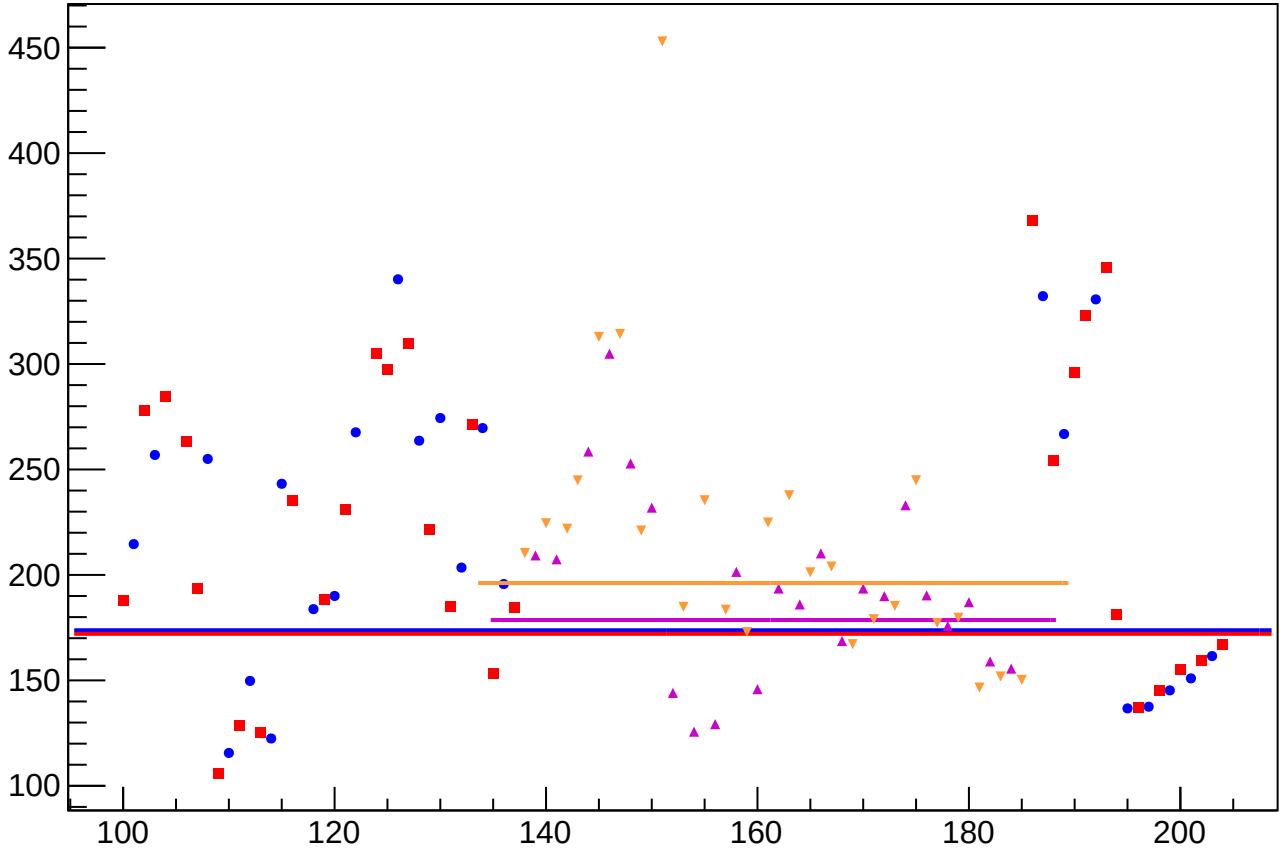
Right: -169.563+/-34.345 χ^2/NDF: 46.5/53

In: 2.668+/-32.993 χ^2/NDF:47.7/46

Out: -19.657+/-32.921 χ^2/NDF:59.2/54

All: -8.519+/-23.304 χ^2/NDF: 107.1/101

asym_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 173.770+/-0.036 χ^2/NDF: 2196270.9/23

Left Out: 196.166+/-0.033 χ^2/NDF:1806871.5/24

Right Out: 172.072+/-0.033 χ^2/NDF: 2899677.2/29

Left In: 178.621+/-0.031 χ^2/NDF:1651873.8/22

Left: 186.885+/-0.022 χ^2/NDF: 3611152.5/47

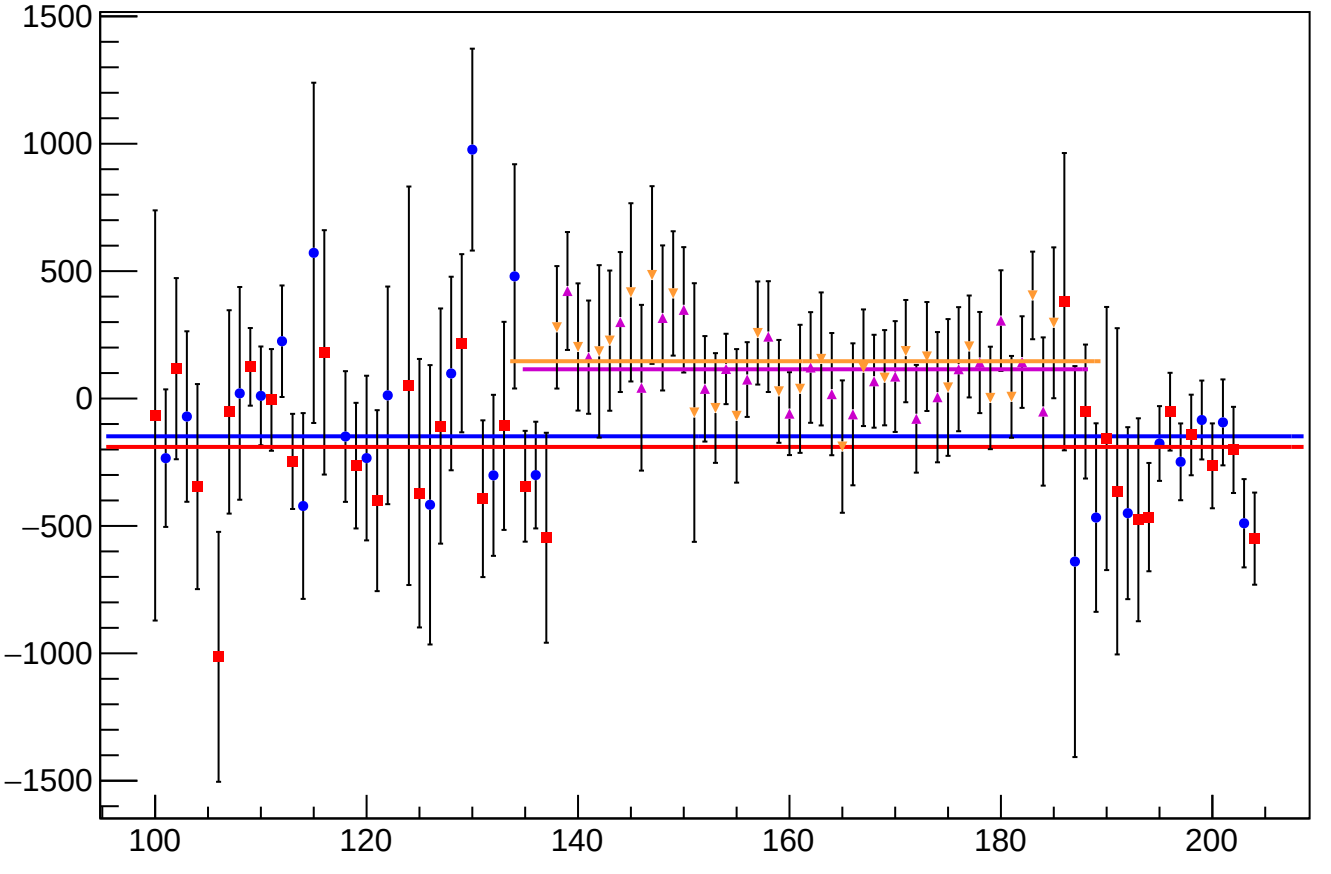
Right: 172.859+/-0.024 χ^2/NDF: 5097163.4/53

In: 176.545+/-0.023 χ^2/NDF:3858727.9/46

Out: 184.292+/-0.023 χ^2/NDF:4974298.5/54

All: 180.427+/-0.016 χ^2/NDF: 8888285.4/101

asym_bcm_an_ds3_mean vs Slug, Sign Corrected



Right In: -148.215+/-50.700 χ^2/NDF: 23.9/23

Left Out: 146.417+/-46.379 χ^2/NDF:11.4/24

Right Out: -189.918+/-47.143 χ^2/NDF: 22.0/29

Left In: 114.807+/-43.740 χ^2/NDF:8.4/22

Left: 129.688+/-31.821 χ^2/NDF: 20.1/47

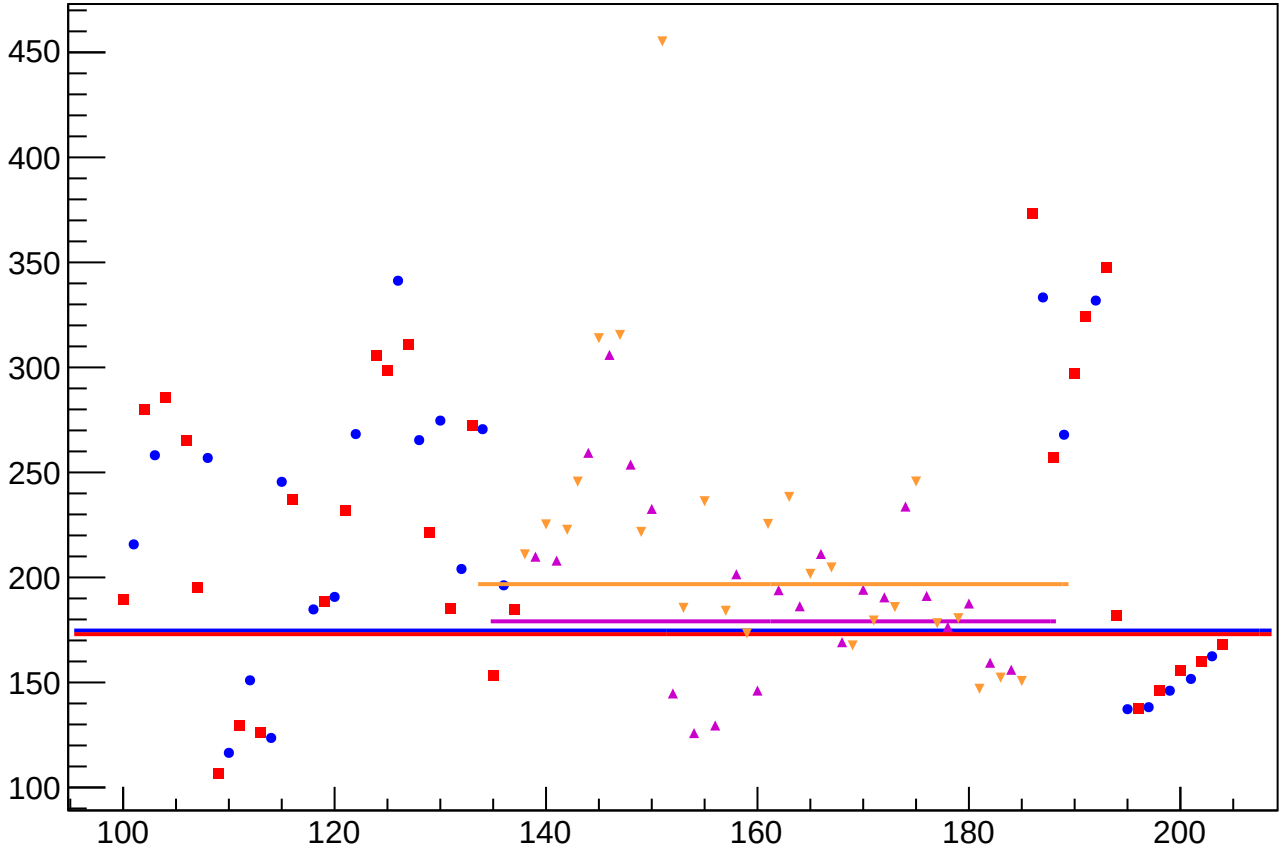
Right: -170.581+/-34.524 χ^2/NDF: 46.3/53

In: 2.575+/-33.119 χ^2/NDF:47.8/46

Out: -19.003+/-33.062 χ^2/NDF:59.3/54

All: -8.232+/-23.398 χ^2/NDF: 107.3/101

asym_bcm_an_ds3_rms vs Slug, Sign Corrected



Right In: 174.709+/-0.036 χ^2/NDF: 2186252.6/23

Left Out: 196.805+/-0.033 χ^2/NDF:1808608.7/24

Right Out: 172.986+/-0.033 χ^2/NDF: 2895929.3/29

Left In: 179.101+/-0.031 χ^2/NDF:1655866.1/22

Left: 187.435+/-0.023 χ^2/NDF: 3618723.6/47

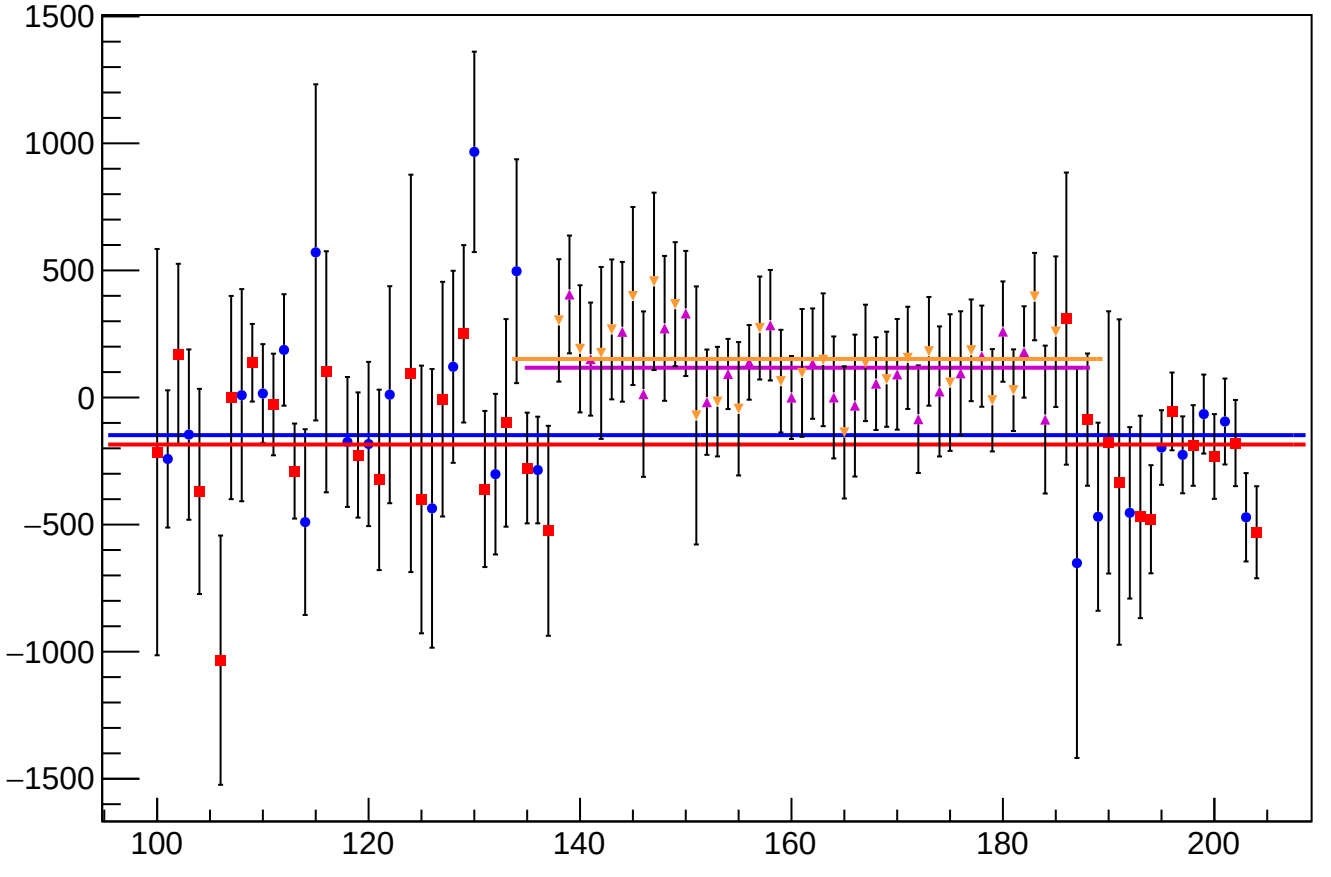
Right: 173.785+/-0.024 χ^2/NDF: 5083420.0/53

In: 177.227+/-0.023 χ^2/NDF:3850723.9/46

Out: 185.090+/-0.023 χ^2/NDF:4963995.8/54

All: 181.165+/-0.017 χ^2/NDF: 8871193.7/101

asym_bcm_an_us_mean vs Slug, Sign Corrected



Right In: -148.035+/-50.779 χ^2/NDF: 23.3/23

Left Out: 151.598+/-46.419 χ^2/NDF:9.6/24

Right Out: -184.940+/-47.183 χ^2/NDF: 21.4/29

Left In: 117.163+/-43.778 χ^2/NDF:7.5/22

Left: 133.373+/-31.848 χ^2/NDF: 17.4/47

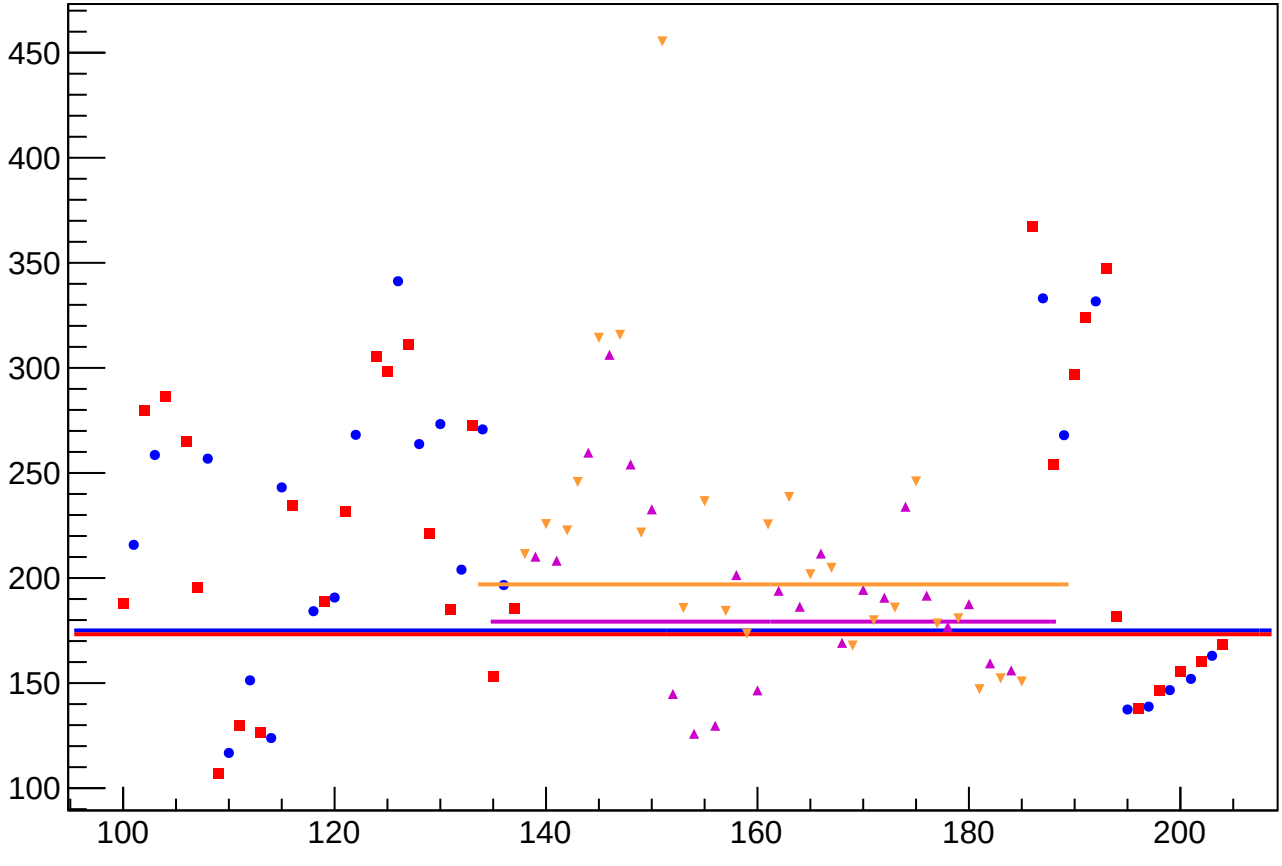
Right: -167.840+/-34.565 χ^2/NDF: 45.0/53

In: 4.093+/-33.157 χ^2/NDF:46.5/46

Out: -13.923+/-33.090 χ^2/NDF:56.8/54

All: -4.933+/-23.422 χ^2/NDF: 103.4/101

asym_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 175.055+/-0.036 χ^2/NDF: 2165403.0/23

Left Out: 196.975+/-0.033 χ^2/NDF:1809307.4/24

Right Out: 173.239+/-0.033 χ^2/NDF: 2862576.2/29

Left In: 179.256+/-0.031 χ^2/NDF:1656023.5/22

Left: 187.597+/-0.023 χ^2/NDF: 3619571.5/47

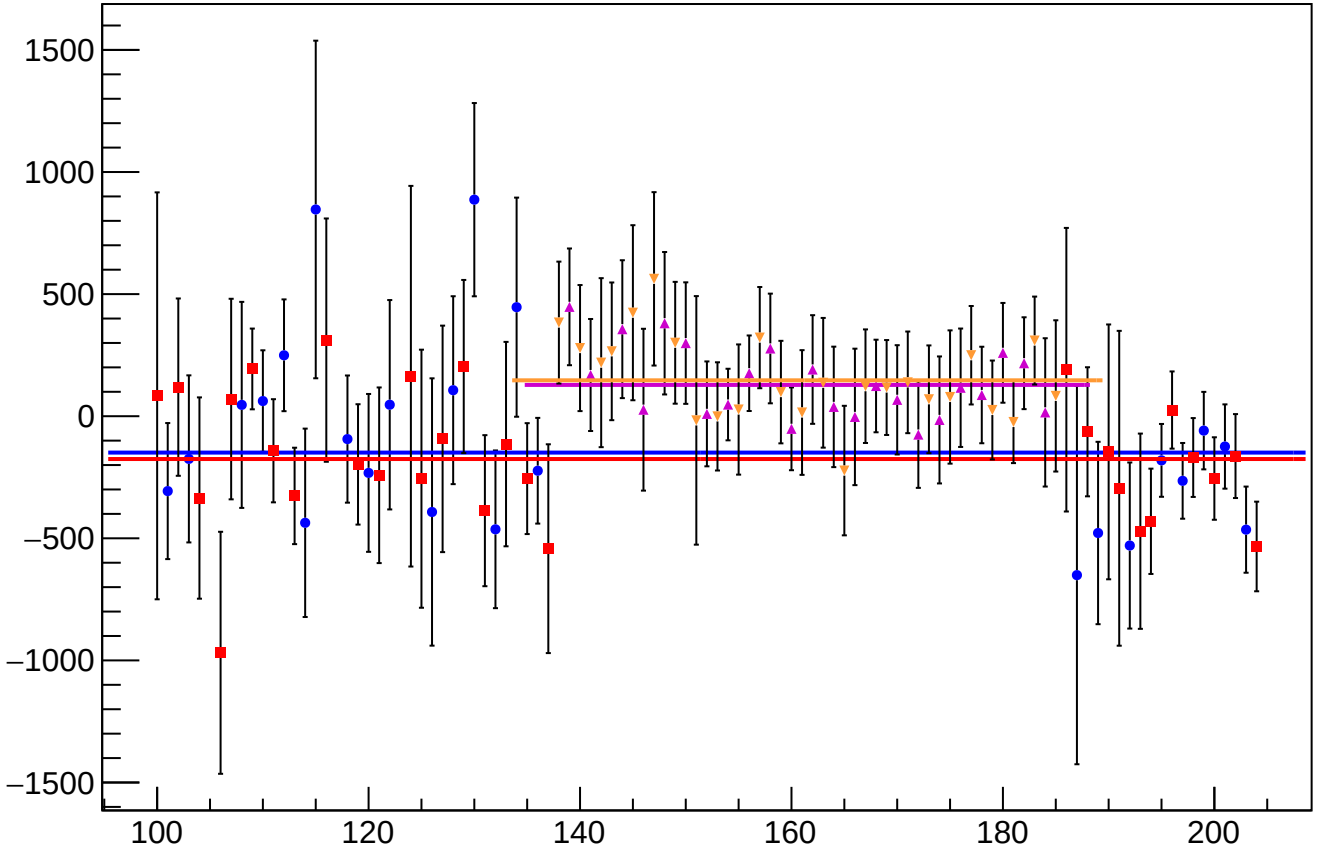
Right: 174.080+/-0.024 χ^2/NDF: 5029352.8/53

In: 177.465+/-0.023 χ^2/NDF:3829277.3/46

Out: 185.301+/-0.023 χ^2/NDF:4929095.2/54

All: 181.391+/-0.017 χ^2/NDF: 8814335.5/101

asym_bcm_dg_us_mean vs Slug, Sign Corrected



Right In: -148.969+/-52.008 χ^2/NDF: 24.5/23

Left Out: 146.973+/-47.709 χ^2/NDF:10.2/24

Right Out: -175.328+/-48.521 χ^2/NDF: 21.4/29

Left In: 128.159+/-45.200 χ^2/NDF:8.6/22

Left: 137.058+/-32.812 χ^2/NDF: 18.8/47

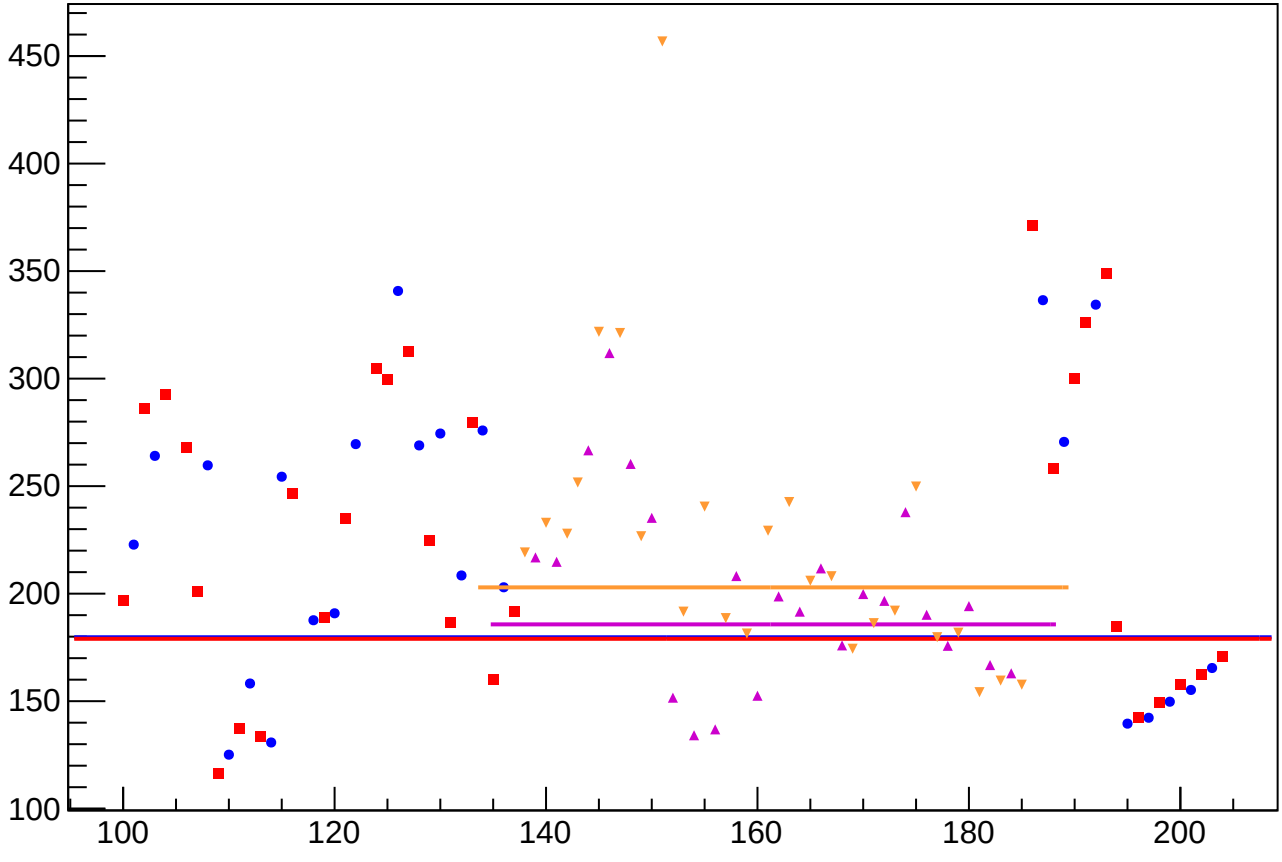
Right: -163.062+/-35.478 χ^2/NDF: 46.0/53

In: 8.909+/-34.116 χ^2/NDF:49.2/46

Out: -11.458+/-34.019 χ^2/NDF:54.0/54

All: -1.303+/-24.089 χ^2/NDF: 103.4/101

asym_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 179.721+/-0.037 χ^2/NDF: 2071058.0/23

Left Out: 202.920+/-0.034 χ^2/NDF:1700115.2/24

Right Out: 179.013+/-0.034 χ^2/NDF: 2645141.5/29

Left In: 185.716+/-0.032 χ^2/NDF:1489487.2/22

Left: 193.854+/-0.023 χ^2/NDF: 3326661.1/47

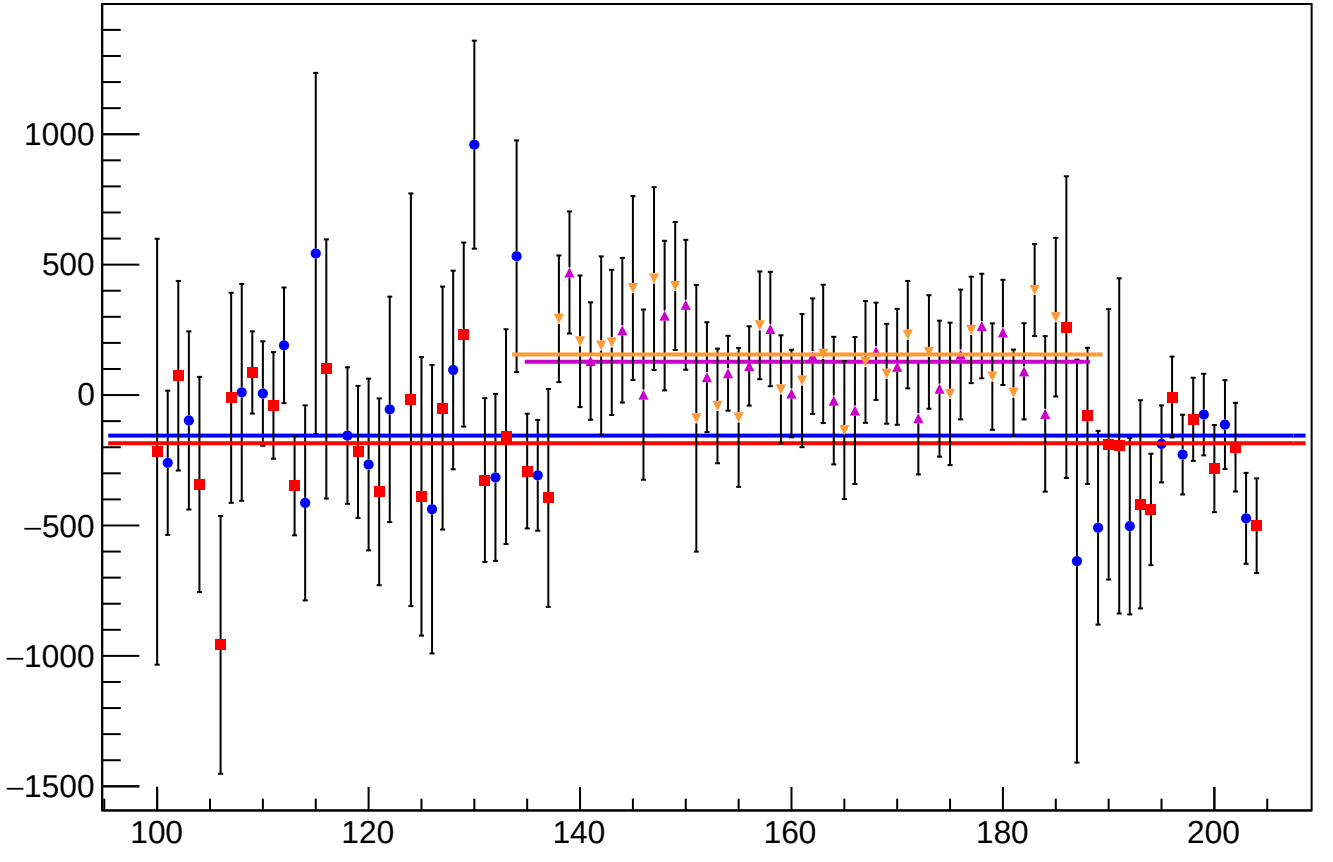
Right: 179.342+/-0.025 χ^2/NDF: 4716397.9/53

In: 183.136+/-0.024 χ^2/NDF:3575682.8/46

Out: 191.168+/-0.024 χ^2/NDF:4592131.4/54

All: 187.164+/-0.017 χ^2/NDF: 8223399.9/101

asym_bcm_dg_ds_mean vs Slug, Sign Corrected



Right In: -155.417+/-51.354 χ^2/NDF: 23.0/23

Left Out: 155.646+/-47.263 χ^2/NDF:10.7/24

Right Out: -184.685+/-47.749 χ^2/NDF: 18.0/29

Left In: 127.660+/-44.698 χ^2/NDF:8.0/22

Left: 140.872+/-32.475 χ^2/NDF: 18.8/47

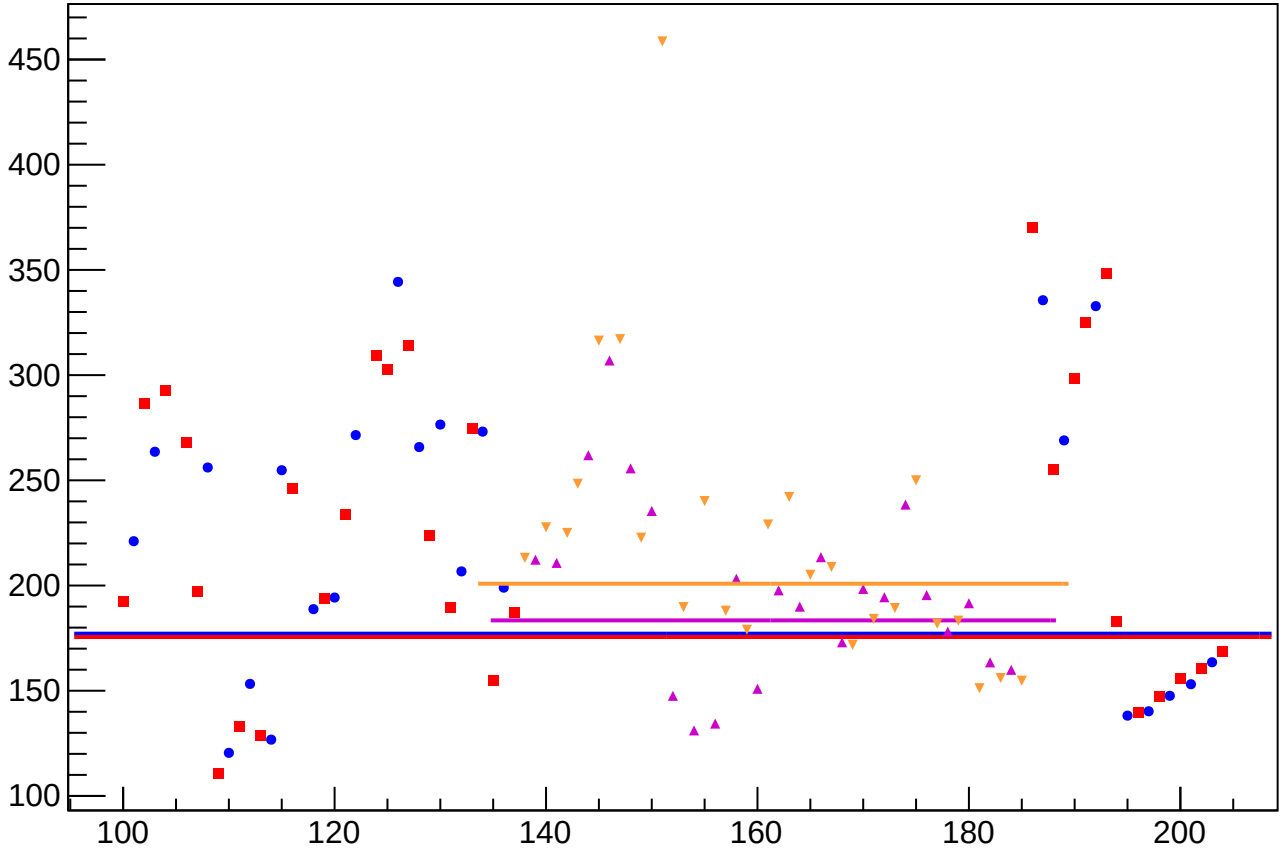
Right: -171.115+/-34.969 χ^2/NDF: 41.2/53

In: 5.645+/-33.716 χ^2/NDF:48.3/46

Out: -12.781+/-33.590 χ^2/NDF:54.3/54

All: -3.602+/-23.796 χ^2/NDF: 102.7/101

asym_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 177.117+/-0.036 χ^2/NDF: 2156047.4/23

Left Out: 200.865+/-0.033 χ^2/NDF:1727404.3/24

Right Out: 175.538+/-0.034 χ^2/NDF: 2820921.3/29

Left In: 183.433+/-0.032 χ^2/NDF:1530678.8/22

Left: 191.663+/-0.023 χ^2/NDF: 3401689.7/47

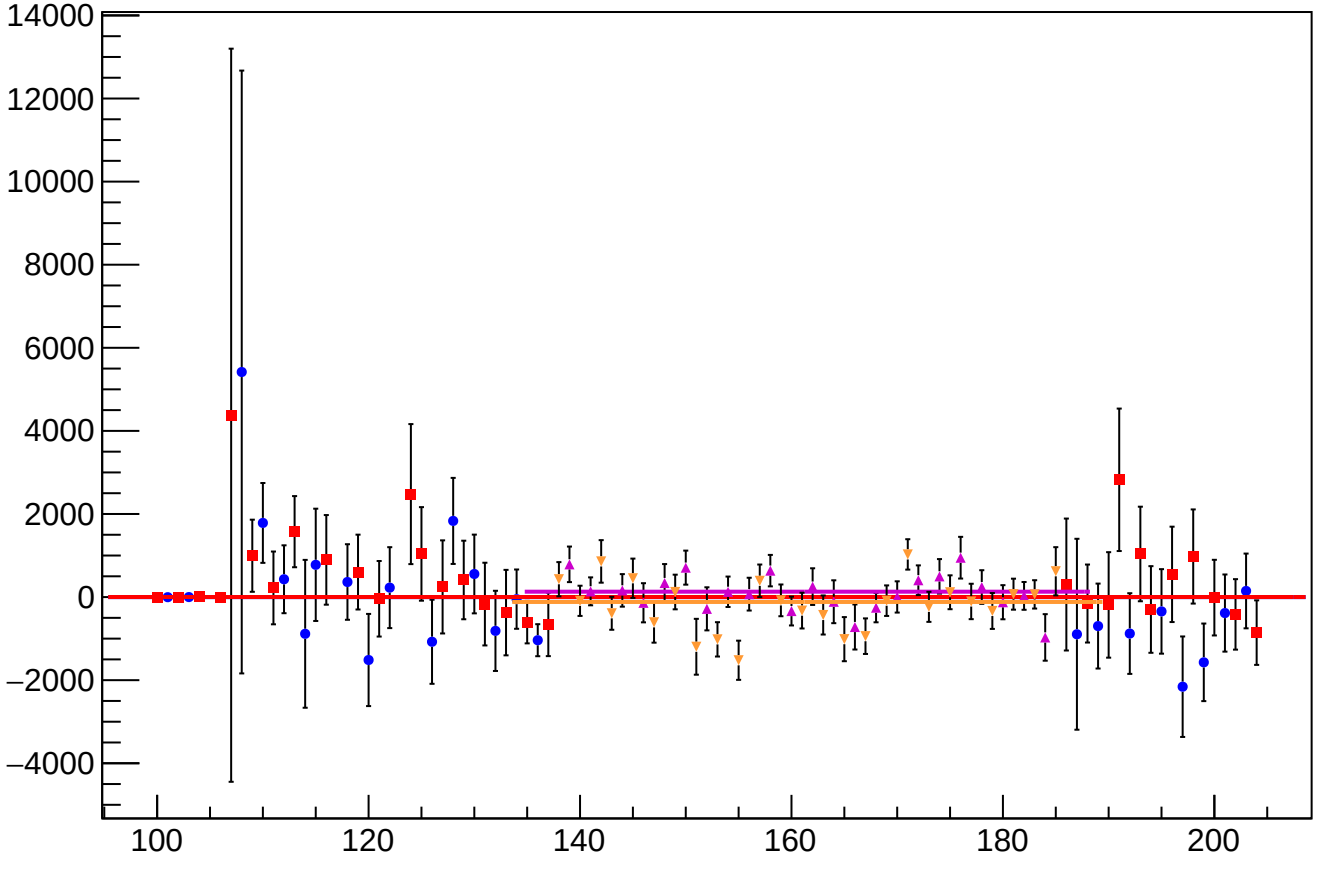
Right: 176.270+/-0.025 χ^2/NDF: 4977982.6/53

In: 180.711+/-0.024 χ^2/NDF:3703941.8/46

Out: 188.331+/-0.024 χ^2/NDF:4832541.9/54

All: 184.535+/-0.017 χ^2/NDF: 8587753.2/101

asym_cav4bQ_mean vs Slug, Sign Corrected



Right In: -1.265+/-2.171 χ^2/NDF: 27.7/23

Left Out: -117.658+/-84.207 χ^2/NDF:46.4/24

Right Out: 1.379+/-2.022 χ^2/NDF: 23.0/29

Left In: 129.738+/-85.075 χ^2/NDF:21.7/22

Left: 4.773+/-59.848 χ^2/NDF: 72.3/47

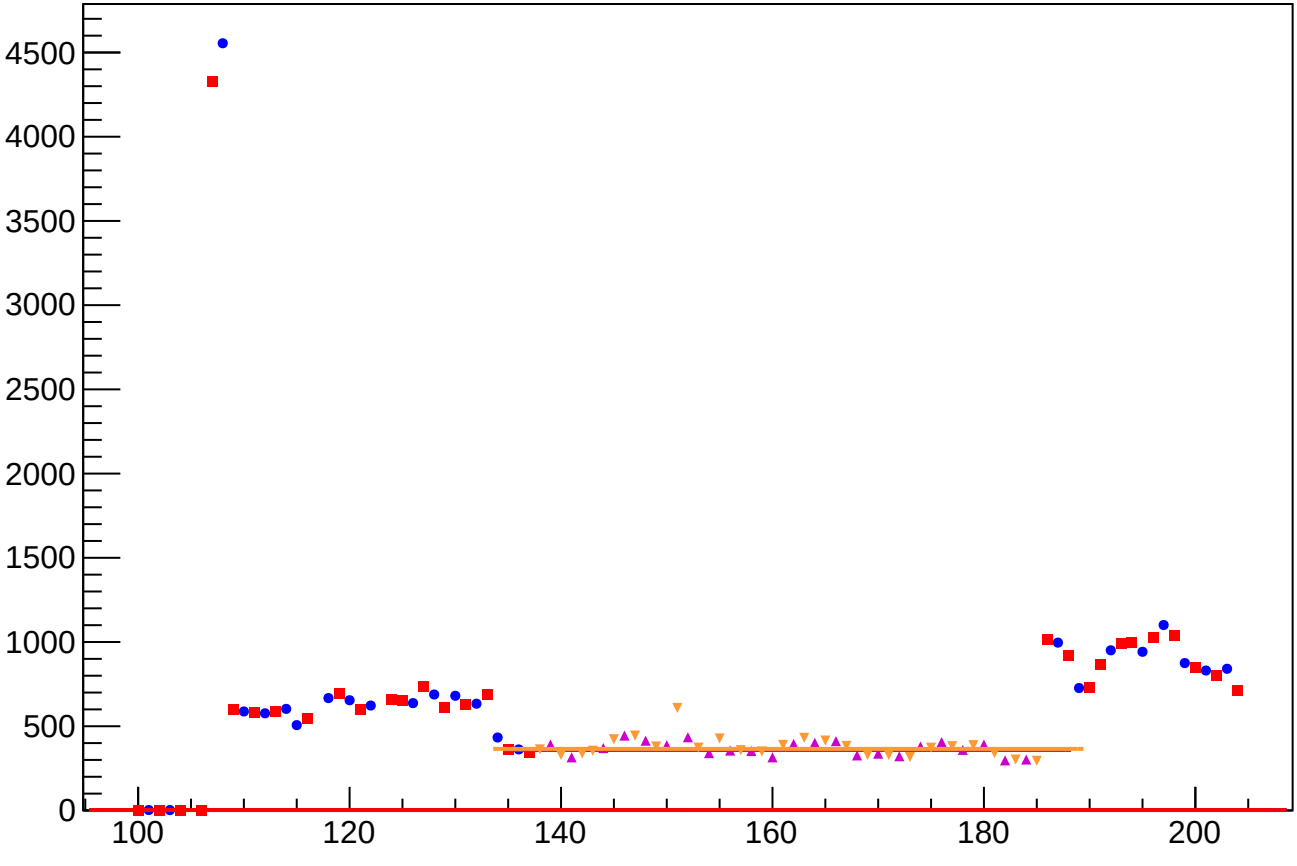
Right: 0.150+/-1.480 χ^2/NDF: 51.4/53

In: -1.180+/-2.170 χ^2/NDF:51.7/46

Out: 1.311+/-2.022 χ^2/NDF:71.4/54

All: 0.153+/-1.479 χ^2/NDF: 123.8/101

asym_cav4bQ_rms vs Slug, Sign Corrected



Right In: 2.508+/-0.002 χ^2/NDF: 23346188.0/23

Left Out: 365.603+/-0.060 χ^2/NDF:668124.0/24

Right Out: 2.498+/-0.001 χ^2/NDF: 27178020.6/29

Left In: 359.024+/-0.060 χ^2/NDF:446263.1/22

Left: 362.347+/-0.042 χ^2/NDF: 1120429.0/47

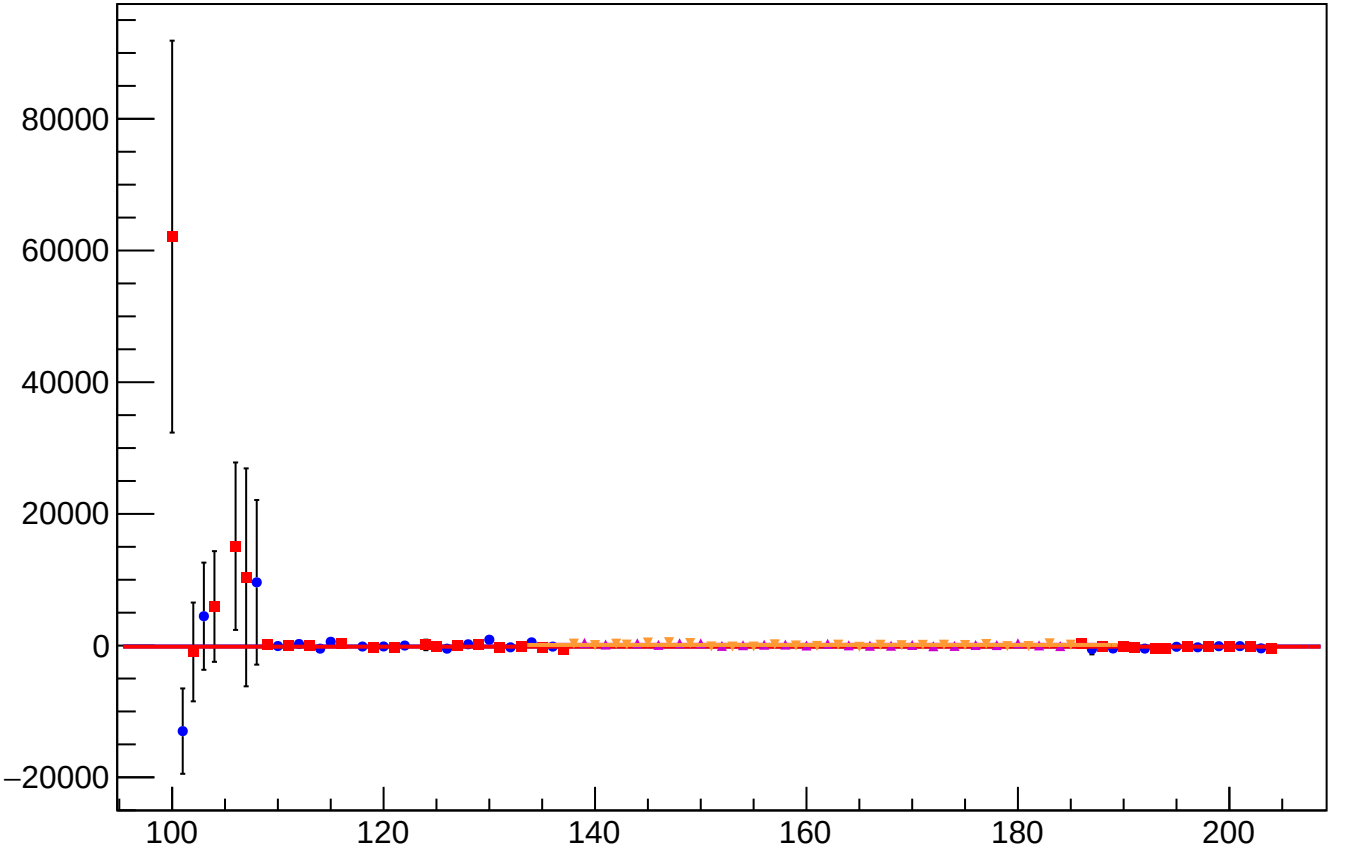
Right: 2.502+/-0.001 χ^2/NDF: 50524229.4/53

In: 2.740+/-0.002 χ^2/NDF:58892345.5/46

Out: 2.707+/-0.001 χ^2/NDF:65011863.2/54

All: 2.722+/-0.001 χ^2/NDF: 123904444.9/101

asym_cav4cQ_mean vs Slug, Sign Corrected



Right In: -130.088+/-56.602 χ^2/NDF: 23.9/23

Left Out: 99.601+/-48.250 χ^2/NDF:12.7/24

Right Out: -162.259+/-53.163 χ^2/NDF: 21.7/29

Left In: 119.345+/-46.957 χ^2/NDF:9.3/22

Left: 109.741+/-33.651 χ^2/NDF: 22.1/47

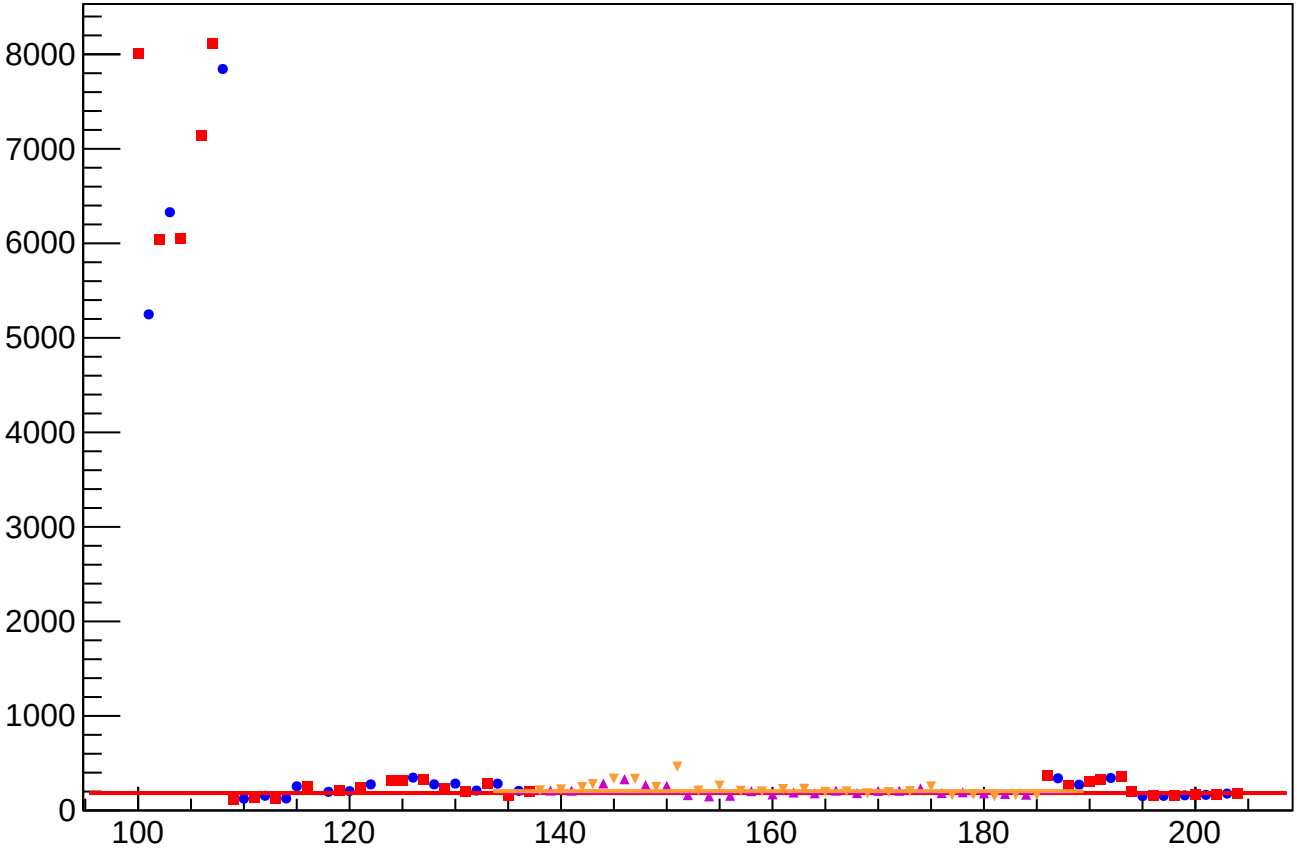
Right: -147.180+/-38.751 χ^2/NDF: 45.8/53

In: 17.659+/-36.140 χ^2/NDF:44.7/46

Out: -18.672+/-35.729 χ^2/NDF:47.7/54

All: -0.714+/-25.408 χ^2/NDF: 93.0/101

asym_cav4cQ_rms vs Slug, Sign Corrected



Right In: 184.354+/-0.040 χ^2/NDF: 4819869.8/23

Left Out: 204.581+/-0.034 χ^2/NDF:1975114.7/24

Right Out: 184.528+/-0.038 χ^2/NDF: 5502333.9/29

Left In: 193.895+/-0.033 χ^2/NDF:1191589.3/22

Left: 199.093+/-0.024 χ^2/NDF: 3217084.5/47

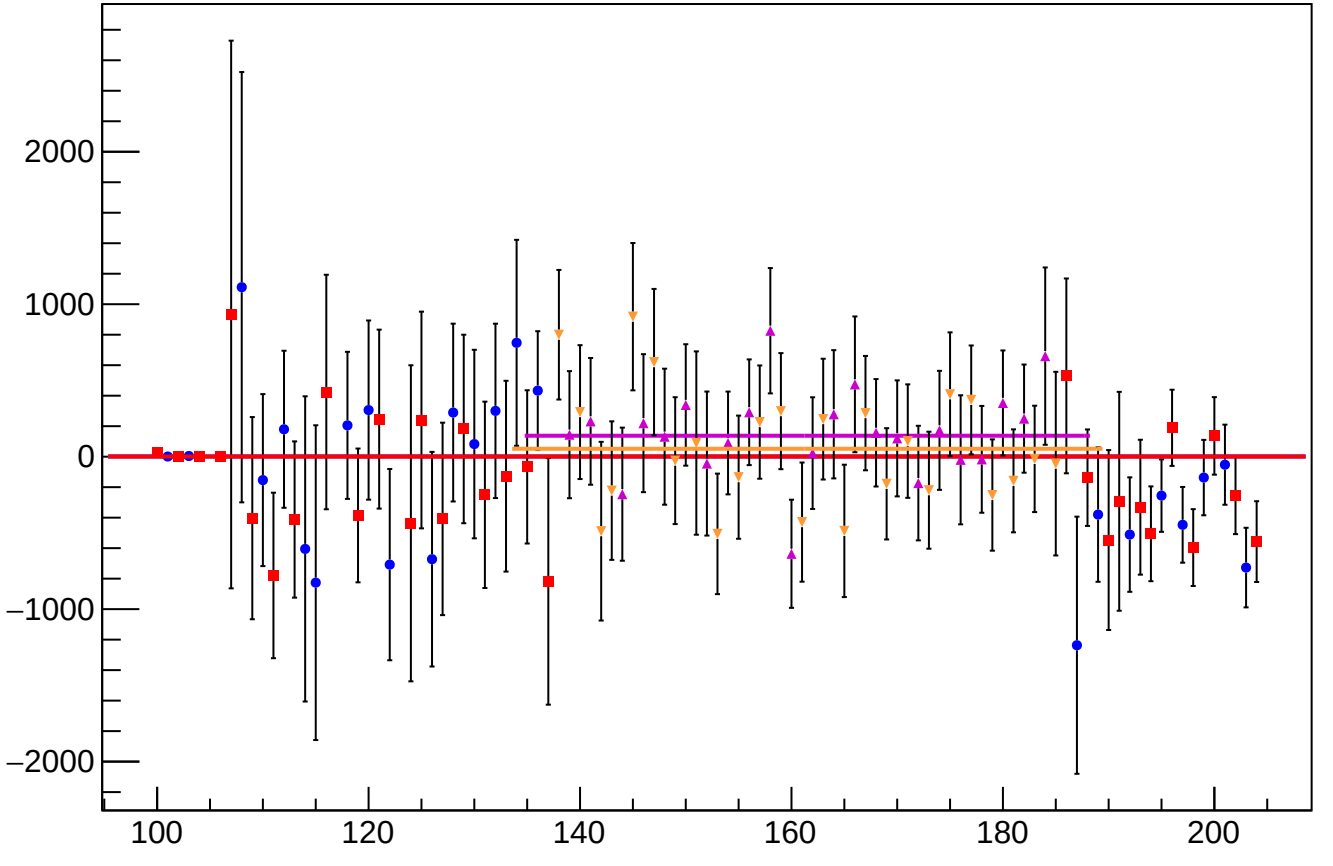
Right: 184.447+/-0.027 χ^2/NDF: 10322213.6/53

In: 190.006+/-0.026 χ^2/NDF:6045118.1/46

Out: 195.524+/-0.025 χ^2/NDF:7633477.7/54

All: 192.796+/-0.018 χ^2/NDF: 13702176.4/10

asym_cav4dQ_mean vs Slug, Sign Corrected



Right In: 1.365+/-1.660 χ^2/NDF: 25.2/23

Left Out: 51.829+/-81.555 χ^2/NDF:19.4/24

Right Out: 1.034+/-1.528 χ^2/NDF: 26.2/29

Left In: 137.399+/-82.111 χ^2/NDF:12.2/22

Left: 94.324+/-57.864 χ^2/NDF: 32.2/47

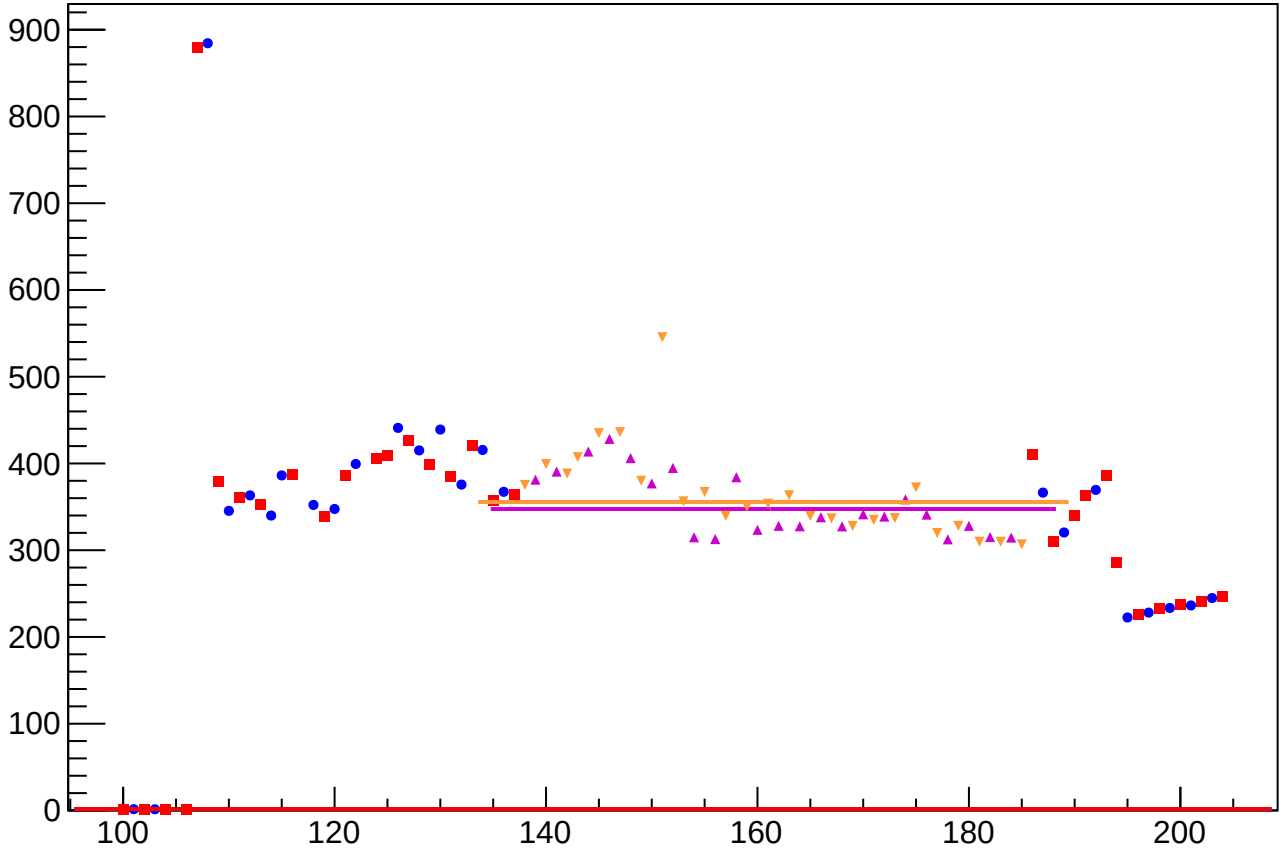
Right: 1.186+/-1.124 χ^2/NDF: 51.4/53

In: 1.421+/-1.660 χ^2/NDF:40.1/46

Out: 1.052+/-1.527 χ^2/NDF:46.0/54

All: 1.221+/-1.124 χ^2/NDF: 86.2/101

asym_cav4dQ_rms vs Slug, Sign Corrected



Right In: 1.534+/-0.001 χ^2/NDF: 23569013.7/23

Left Out: 355.535+/-0.058 χ^2/NDF:528878.5/24

Right Out: 1.534+/-0.001 χ^2/NDF: 26847645.4/29

Left In: 347.484+/-0.058 χ^2/NDF:344530.3/22

Left: 351.537+/-0.041 χ^2/NDF: 883088.0/47

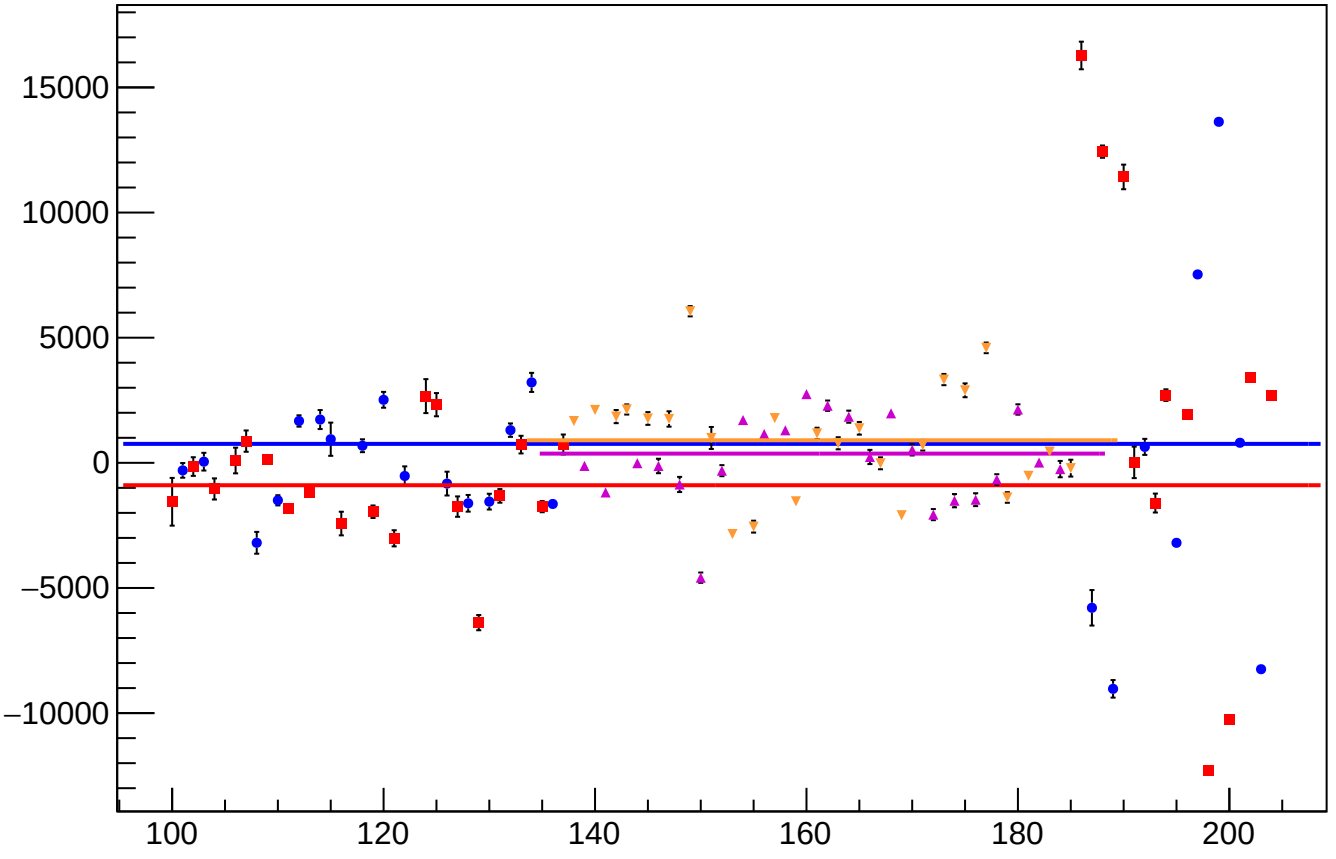
Right: 1.534+/-0.001 χ^2/NDF: 50416659.2/53

In: 1.675+/-0.001 χ^2/NDF:59401216.8/46

Out: 1.658+/-0.001 χ^2/NDF:65045670.2/54

All: 1.666+/-0.001 χ^2/NDF: 124446998.9/101

asym_bcm0l02_mean vs Slug, Sign Corrected



Right In: 757.218+/-53.076 χ^2/NDF: 11262.6/23

Left Out: 901.476+/-44.481 χ^2/NDF:2411.0/24

Right Out: -894.774+/-49.268 χ^2/NDF: 13318.5/29

Left In: 368.252+/-42.700 χ^2/NDF:1593.0/22

Left: 623.972+/-30.804 χ^2/NDF: 4078.7/47

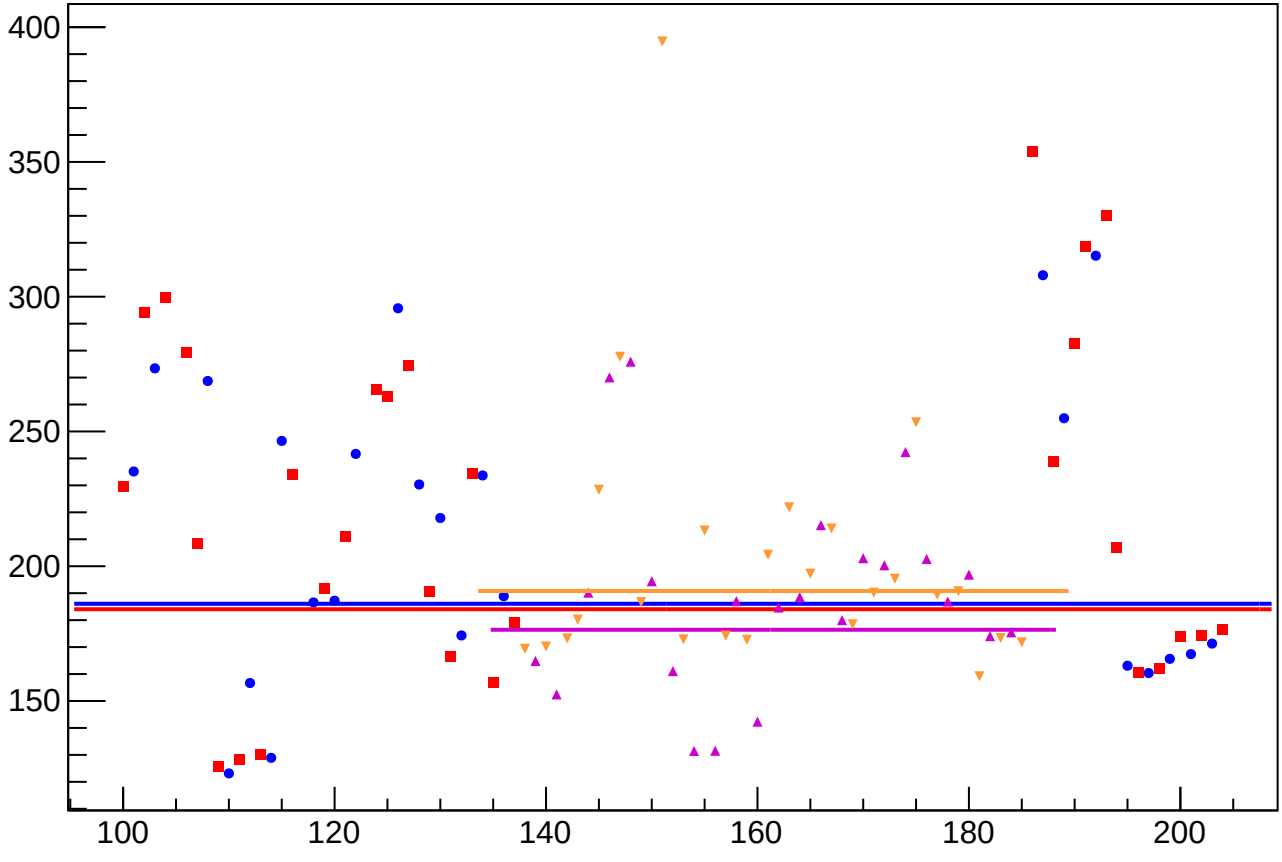
Right: -130.159+/-36.109 χ^2/NDF: 25101.5/53

In: 521.083+/-33.270 χ^2/NDF:12888.2/46

Out: 94.832+/-33.016 χ^2/NDF:16461.8/54

All: 306.326+/-23.435 χ^2/NDF: 29432.7/101

asym_bcm0l02_rms vs Slug, Sign Corrected



Right In: 186.068+/-0.038 χ^2/NDF: 1373561.2/23

Left Out: 190.801+/-0.031 χ^2/NDF:1019598.1/24

Right Out: 184.043+/-0.035 χ^2/NDF: 2105518.8/29

Left In: 176.431+/-0.030 χ^2/NDF:1257661.0/22

Left: 183.323+/-0.022 χ^2/NDF: 2385884.9/47

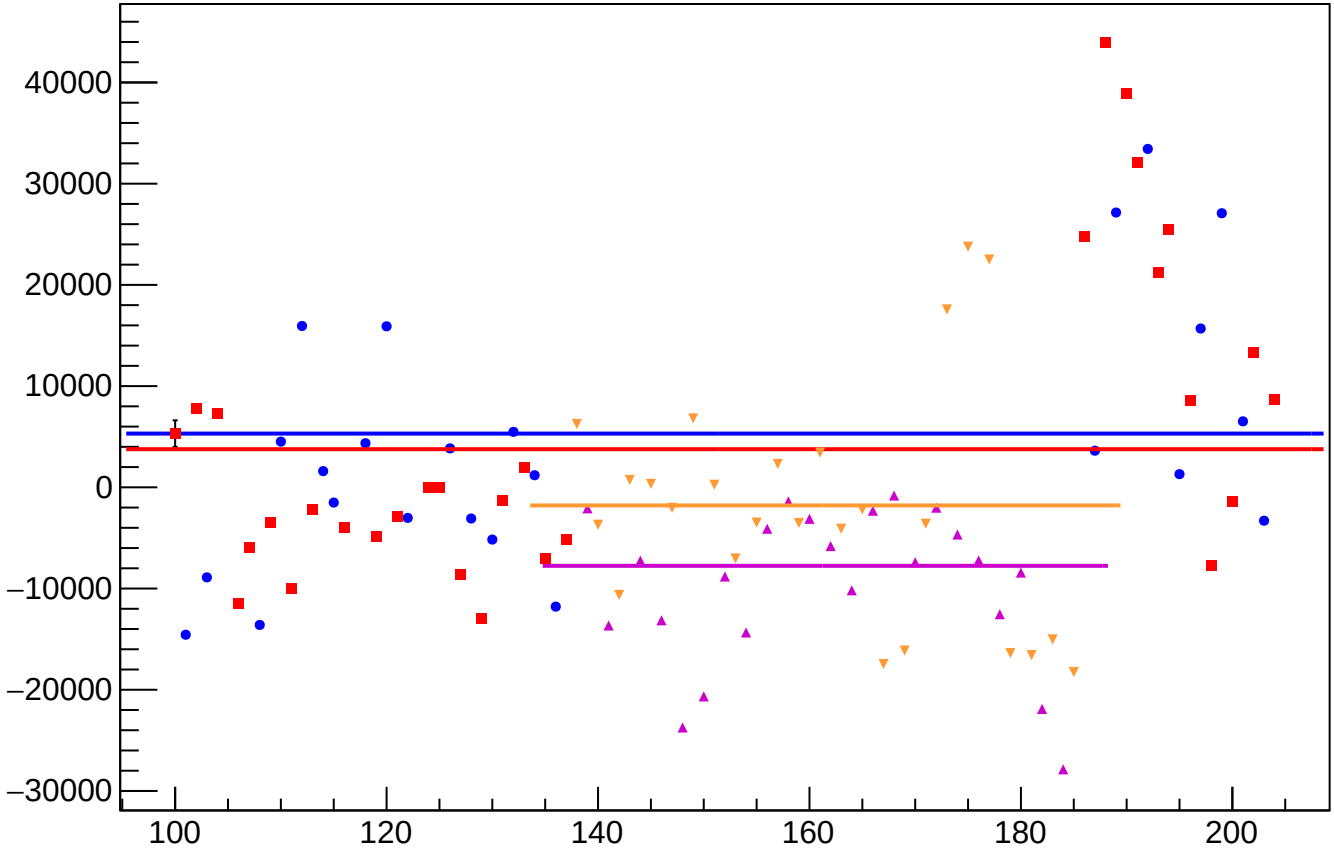
Right: 184.980+/-0.026 χ^2/NDF: 3480645.2/53

In: 180.218+/-0.024 χ^2/NDF:2671251.5/46

Out: 187.766+/-0.023 χ^2/NDF:3145851.1/54

All: 184.021+/-0.017 χ^2/NDF: 5868969.4/101

asym_bpm0i02WS_mean vs Slug, Sign Corrected



Right In: 5309.244+/-43.458 χ^2/NDF: 90036.9/23

Left Out: -1790.289+/-40.910 χ^2/NDF:65745.9/24

Right Out: 3766.635+/-40.412 χ^2/NDF: 136201.2/29

Left In: -7754.468+/-42.571 χ^2/NDF:23278.0/22

Left: -4653.749+/-29.498 χ^2/NDF: 99228.2/47

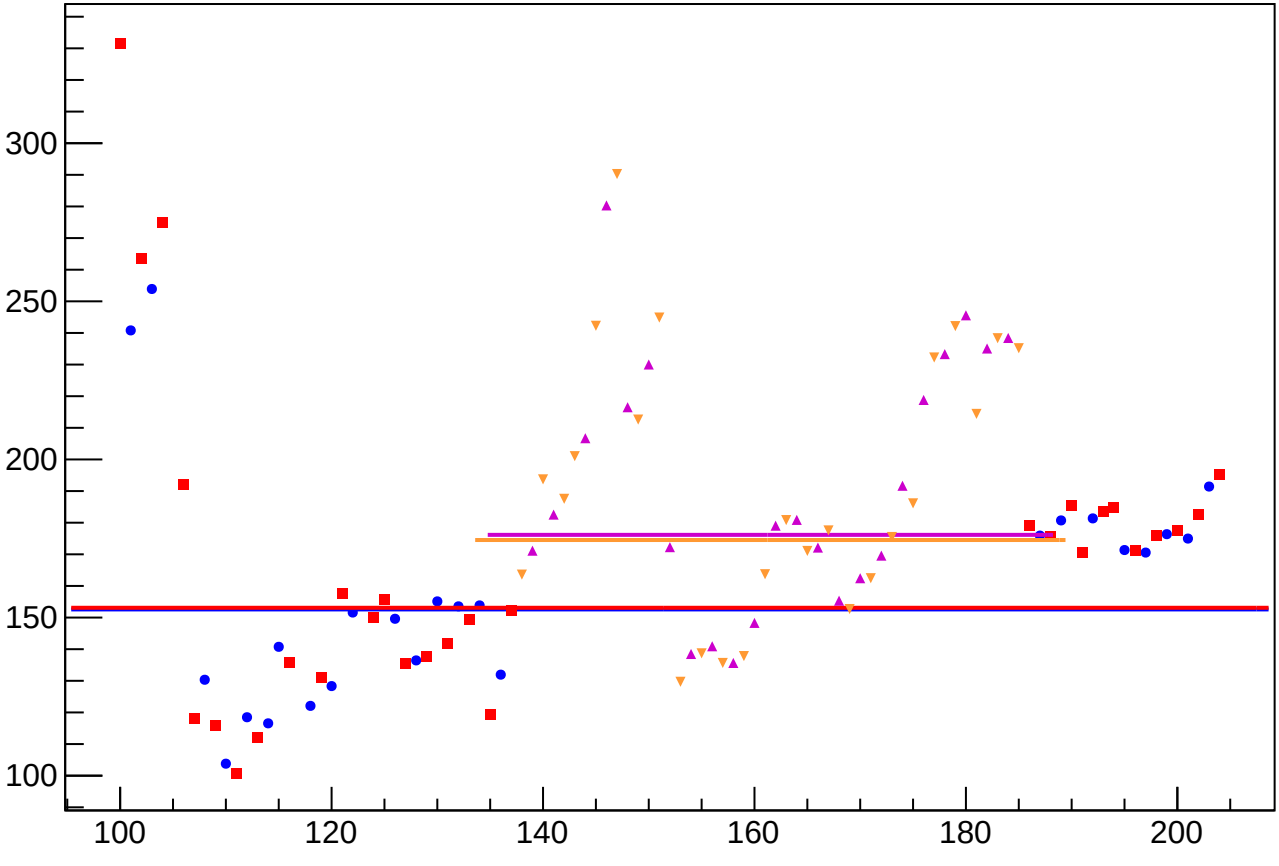
Right: 4481.976+/-29.594 χ^2/NDF: 226913.8/53

In: -1357.320+/-30.411 χ^2/NDF:159427.9/46

Out: 1022.226+/-28.750 χ^2/NDF:211285.4/54

All: -100.783+/-20.892 χ^2/NDF: 373946.3/10

asym_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 152.572+/-0.031 χ^2/NDF: 1040087.1/23

Left Out: 174.520+/-0.029 χ^2/NDF:1659469.6/24

Right Out: 153.095+/-0.029 χ^2/NDF: 1500984.3/29

Left In: 176.155+/-0.030 χ^2/NDF:1367059.2/22

Left: 175.305+/-0.021 χ^2/NDF: 3028060.8/47

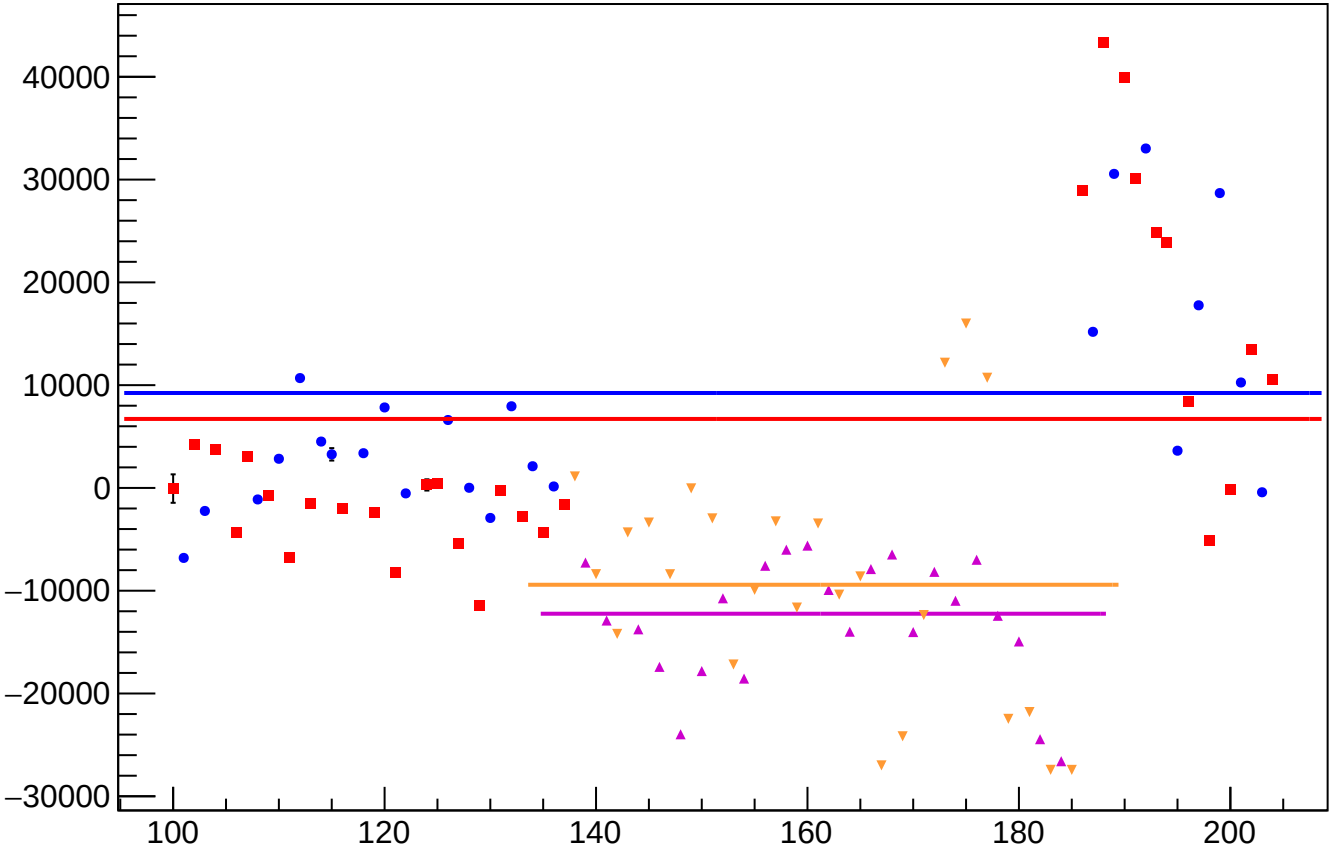
Right: 152.853+/-0.021 χ^2/NDF: 2541226.8/53

In: 164.607+/-0.022 χ^2/NDF:2707677.3/46

Out: 163.677+/-0.020 χ^2/NDF:3438089.4/54

All: 164.116+/-0.015 χ^2/NDF: 6146754.2/101

asym_bpm0i02aWS_mean vs Slug, Sign Corrected



Right In: 9238.247+/-49.805 χ^2/NDF: 50909.6/23

Left Out: -9420.181+/-45.698 χ^2/NDF:64719.0/24

Right Out: 6712.746+/-45.630 χ^2/NDF: 105331.2/29

Left In: -12238.678+/-44.195 χ^2/NDF:16015.8/22

Left: -10876.538+/-31.769 χ^2/NDF: 82700.4/47

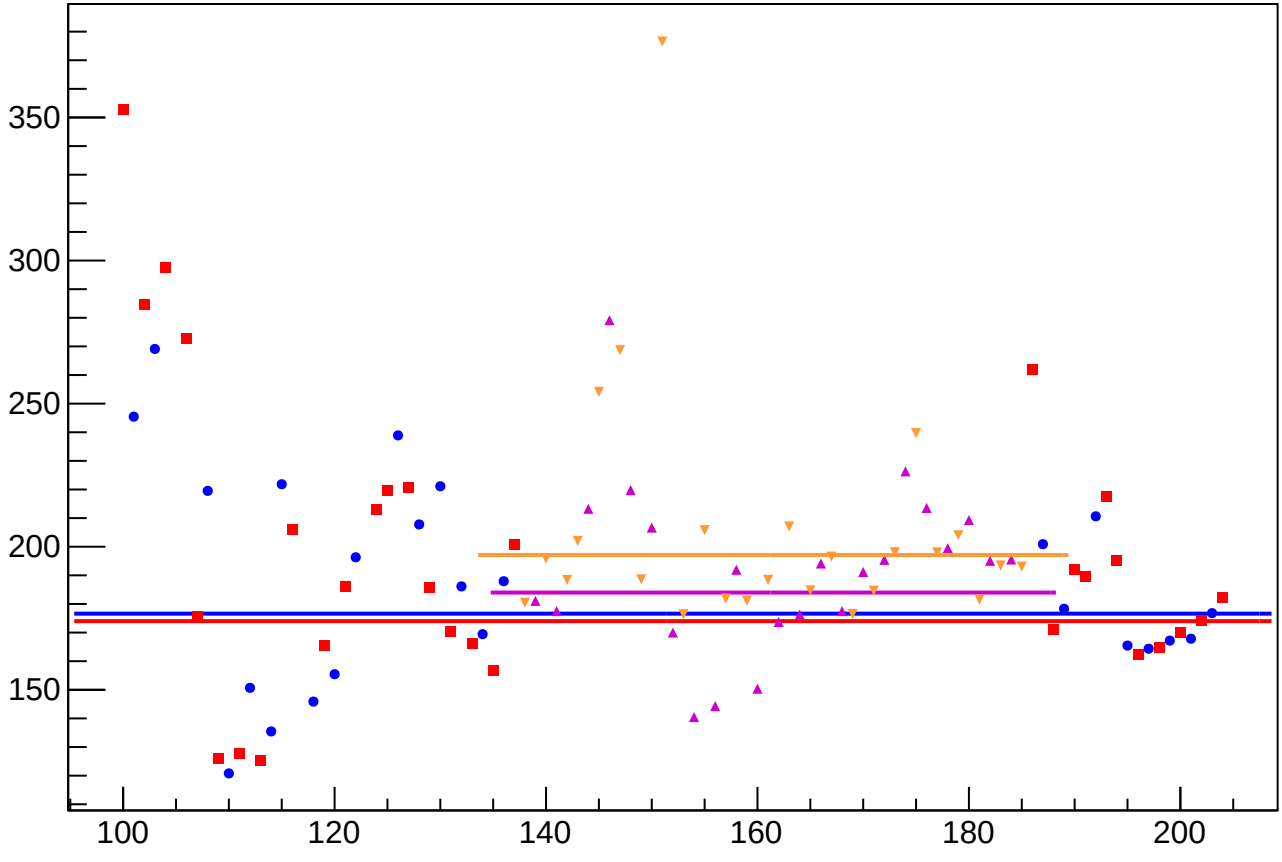
Right: 7865.228+/-33.645 χ^2/NDF: 157638.7/53

In: -2777.478+/-33.057 χ^2/NDF:170958.5/46

Out: -1341.790+/-32.289 χ^2/NDF:232459.0/54

All: -2042.773+/-23.099 χ^2/NDF: 404382.7/1

asym_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 176.611+/-0.035 χ^2/NDF: 759490.5/23

Left Out: 197.122+/-0.032 χ^2/NDF:732529.8/24

Right Out: 173.993+/-0.032 χ^2/NDF: 1197146.7/29

Left In: 183.985+/-0.031 χ^2/NDF:829778.1/22

Left: 190.334+/-0.022 χ^2/NDF: 1647711.2/47

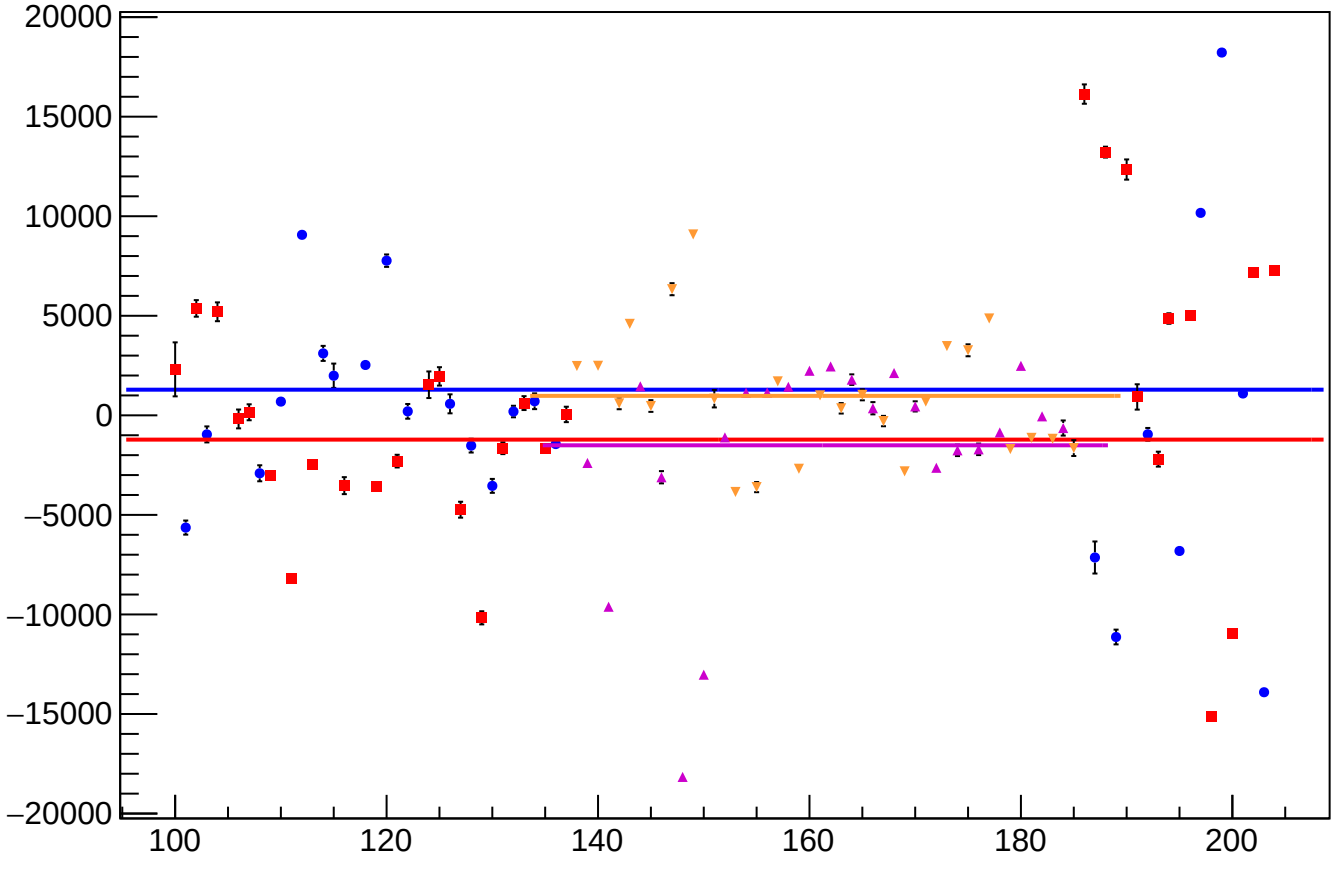
Right: 175.188+/-0.024 χ^2/NDF: 1959641.5/53

In: 180.737+/-0.023 χ^2/NDF:1613797.8/46

Out: 185.541+/-0.023 χ^2/NDF:2186222.7/54

All: 183.195+/-0.016 χ^2/NDF: 3821634.3/101

asym_bpm0i05WS_mean vs Slug, Sign Corrected



Right In: 1288.463+/-56.136 χ^2/NDF: 20335.8/23

Left Out: 978.429+/-49.607 χ^2/NDF:4322.9/24

Right Out: -1219.489+/-51.665 χ^2/NDF: 19713.1/29

Left In: -1505.093+/-48.051 χ^2/NDF:11480.6/22

Left: -302.894+/-34.514 χ^2/NDF: 17096.7/47

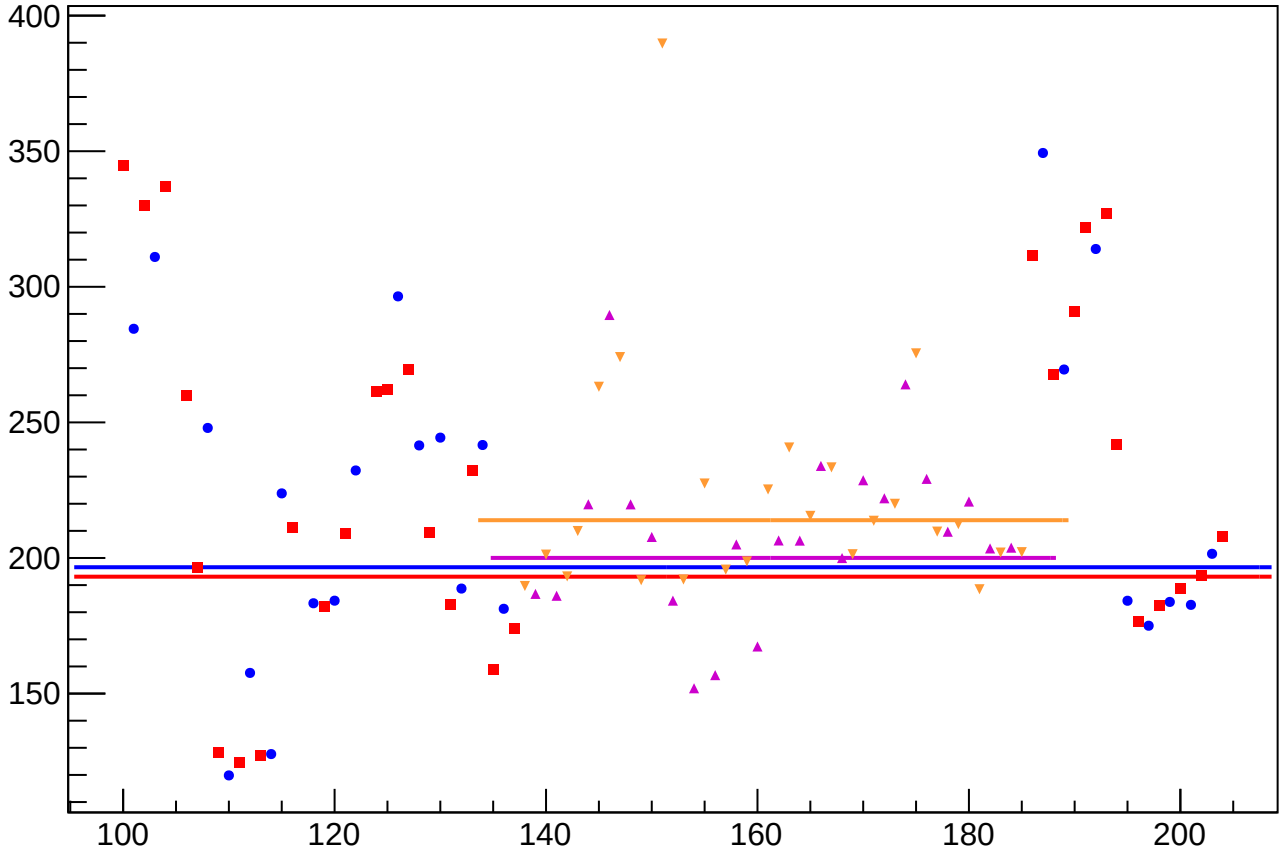
Right: -69.347+/-38.015 χ^2/NDF: 41129.5/53

In: -323.812+/-36.504 χ^2/NDF:33245.7/46

Out: -75.872+/-35.783 χ^2/NDF:24977.7/54

All: -197.369+/-25.553 χ^2/NDF: 58246.9/101

asym_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 196.592+/-0.040 χ^2/NDF: 1440137.9/23

Left Out: 213.931+/-0.035 χ^2/NDF:733638.6/24

Right Out: 193.106+/-0.037 χ^2/NDF: 2243149.1/29

Left In: 200.031+/-0.034 χ^2/NDF:785525.4/22

Left: 206.759+/-0.024 χ^2/NDF: 1600185.7/47

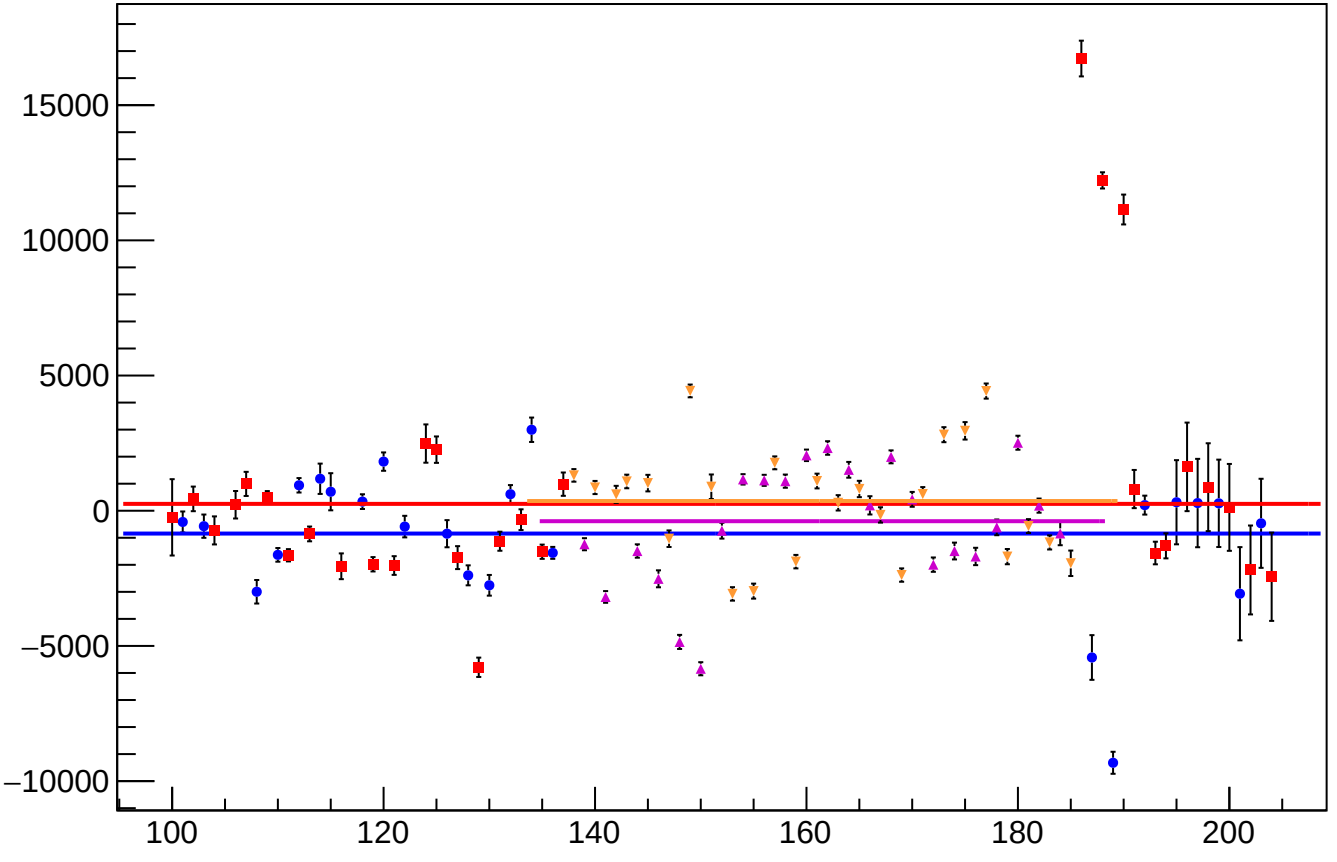
Right: 194.705+/-0.027 χ^2/NDF: 3687463.5/53

In: 198.577+/-0.026 χ^2/NDF:2229994.1/46

Out: 203.942+/-0.025 χ^2/NDF:3145866.1/54

All: 201.313+/-0.018 χ^2/NDF: 5397891.2/101

asym_bpm0i07WS_mean vs Slug, Sign Corrected



Right In: -843.965+/-81.486 χ^2/NDF: 799.5/23

Left Out: 358.680+/-54.992 χ^2/NDF:1418.9/24

Right Out: 253.715+/-73.797 χ^2/NDF: 3273.9/29

Left In: -386.941+/-53.528 χ^2/NDF:1804.2/22

Left: -24.183+/-38.357 χ^2/NDF: 3317.4/47

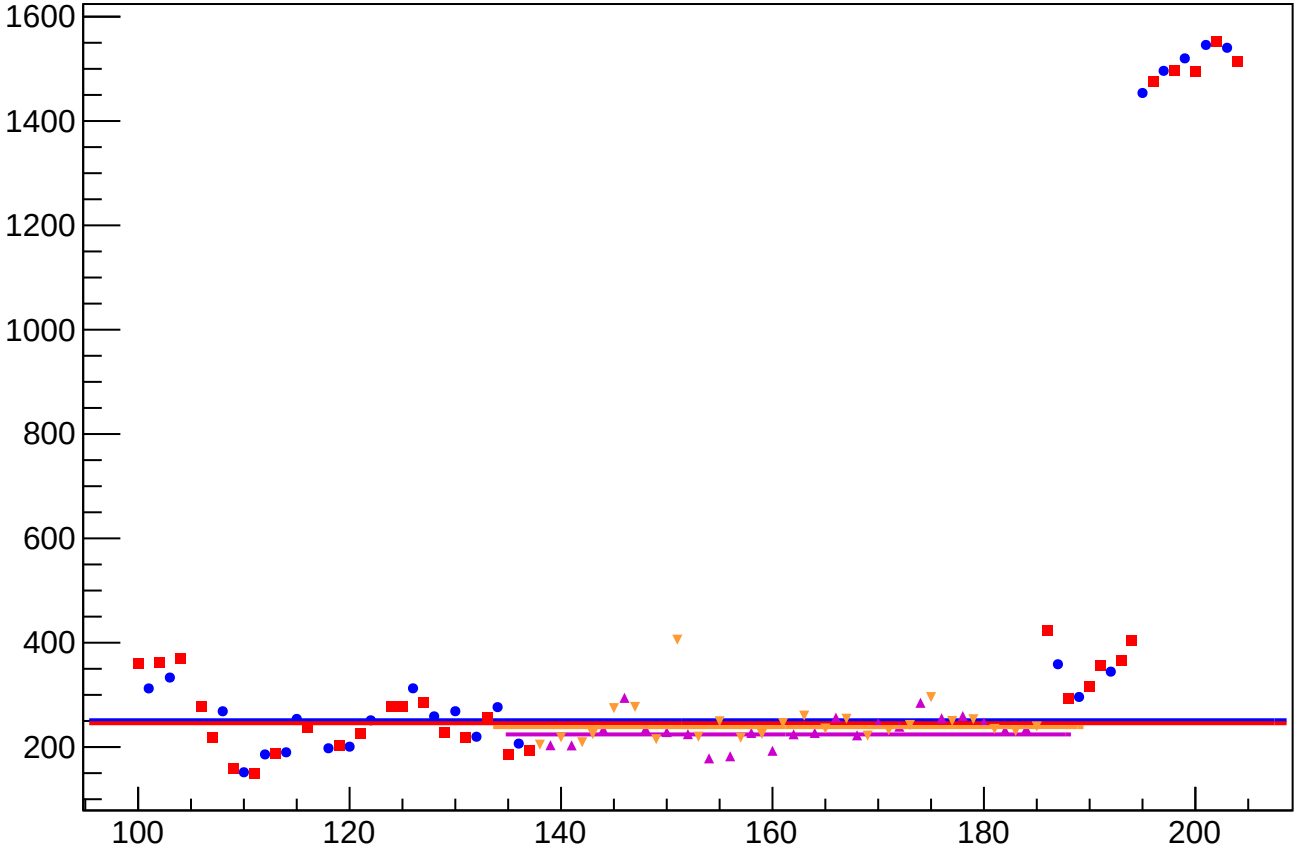
Right: -240.909+/-54.699 χ^2/NDF: 4173.0/53

In: -524.708+/-44.739 χ^2/NDF:2625.6/46

Out: 321.205+/-44.095 χ^2/NDF:4694.0/54

All: -95.624+/-31.405 χ^2/NDF: 7501.0/101

asym_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 251.328+/-0.058 χ^2/NDF: 6981863.3/23

Left Out: 238.199+/-0.039 χ^2/NDF:567935.3/24

Right Out: 245.632+/-0.052 χ^2/NDF: 7960482.4/29

Left In: 224.212+/-0.038 χ^2/NDF:563231.1/22

Left: 231.017+/-0.027 χ^2/NDF: 1197606.4/47

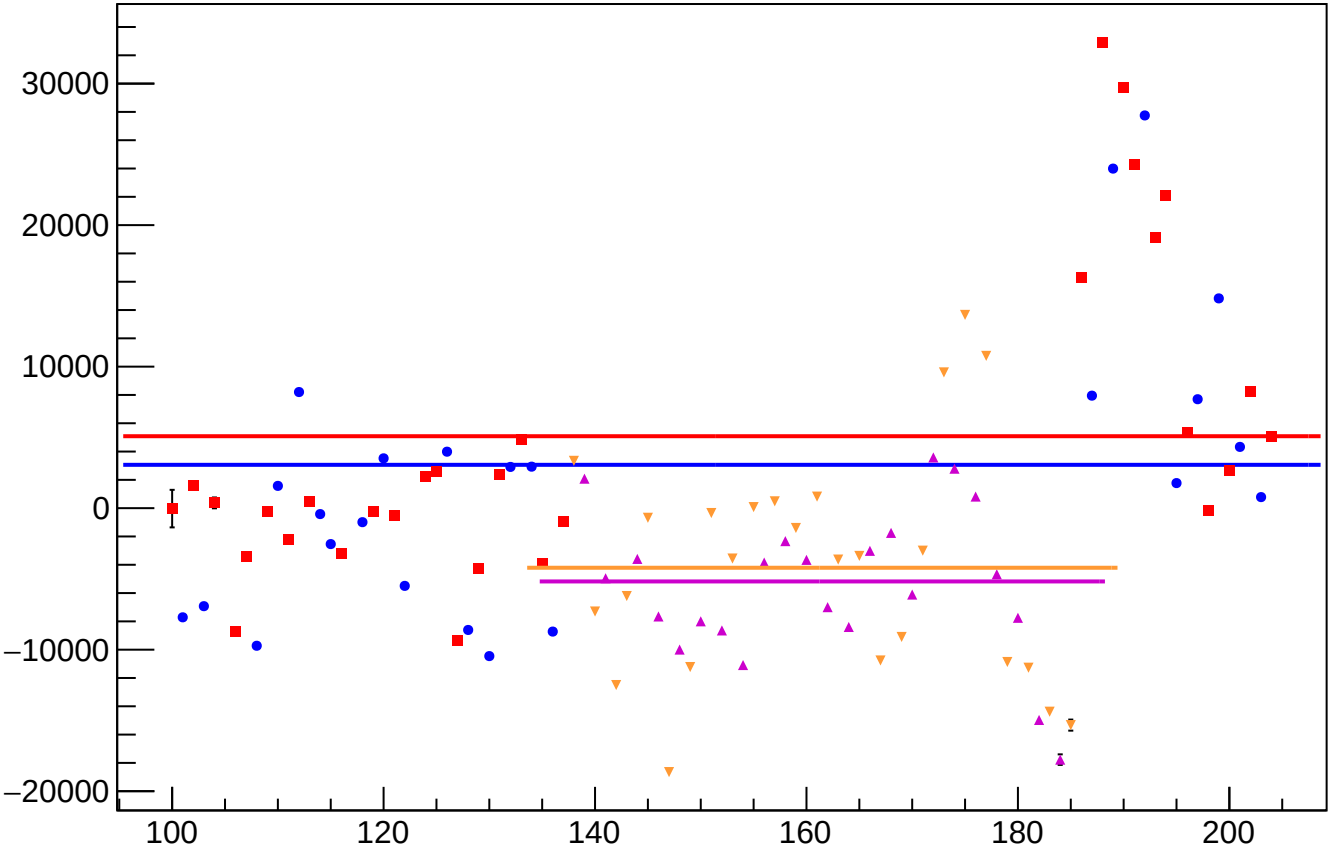
Right: 248.199+/-0.039 χ^2/NDF: 14947714.7/53

In: 232.386+/-0.032 χ^2/NDF:7699809.9/46

Out: 240.853+/-0.031 χ^2/NDF:8541463.9/54

All: 236.681+/-0.022 χ^2/NDF: 16277610.4/10

asym_bpm1i02WS_mean vs Slug, Sign Corrected



Right In: 3062.327+/-36.883 χ^2/NDF: 75849.4/23

Left Out: -4210.601+/-30.828 χ^2/NDF:56802.7/24

Right Out: 5083.887+/-34.063 χ^2/NDF: 102886.4/29

Left In: -5178.213+/-31.969 χ^2/NDF:18541.3/22

Left: -4676.831+/-22.191 χ^2/NDF: 75818.6/47

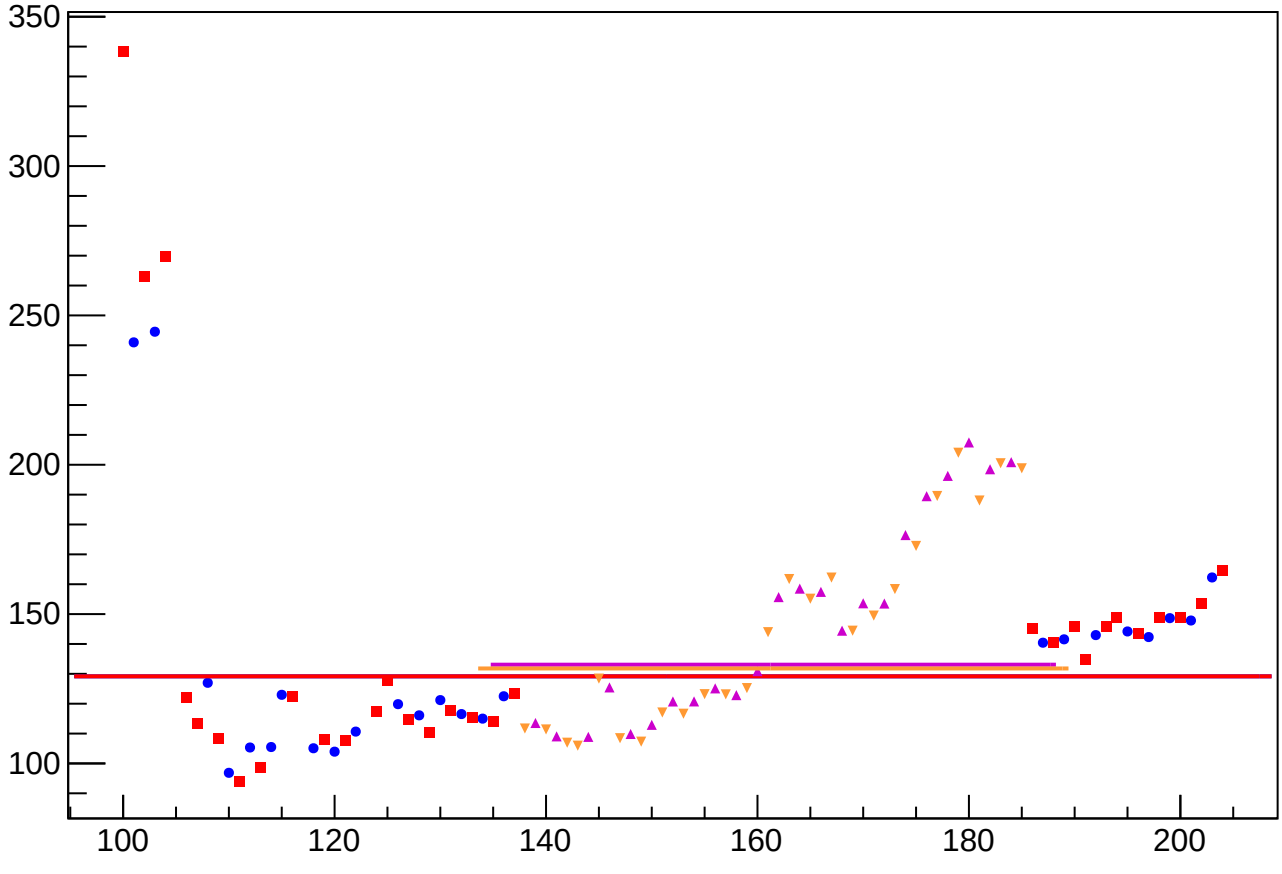
Right: 4153.347+/-25.024 χ^2/NDF: 180357.1/53

In: -1643.082+/-24.158 χ^2/NDF:122893.9/46

Out: -25.498+/-22.857 χ^2/NDF:200618.2/54

All: -789.578+/-16.603 χ^2/NDF: 325877.9/10

asym_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 129.161+/-0.026 χ^2/NDF: 1027670.8/23

Left Out: 131.798+/-0.022 χ^2/NDF:1544340.3/24

Right Out: 129.166+/-0.024 χ^2/NDF: 1330943.5/29

Left In: 133.061+/-0.023 χ^2/NDF:1418252.2/22

Left: 132.406+/-0.016 χ^2/NDF: 2964211.9/47

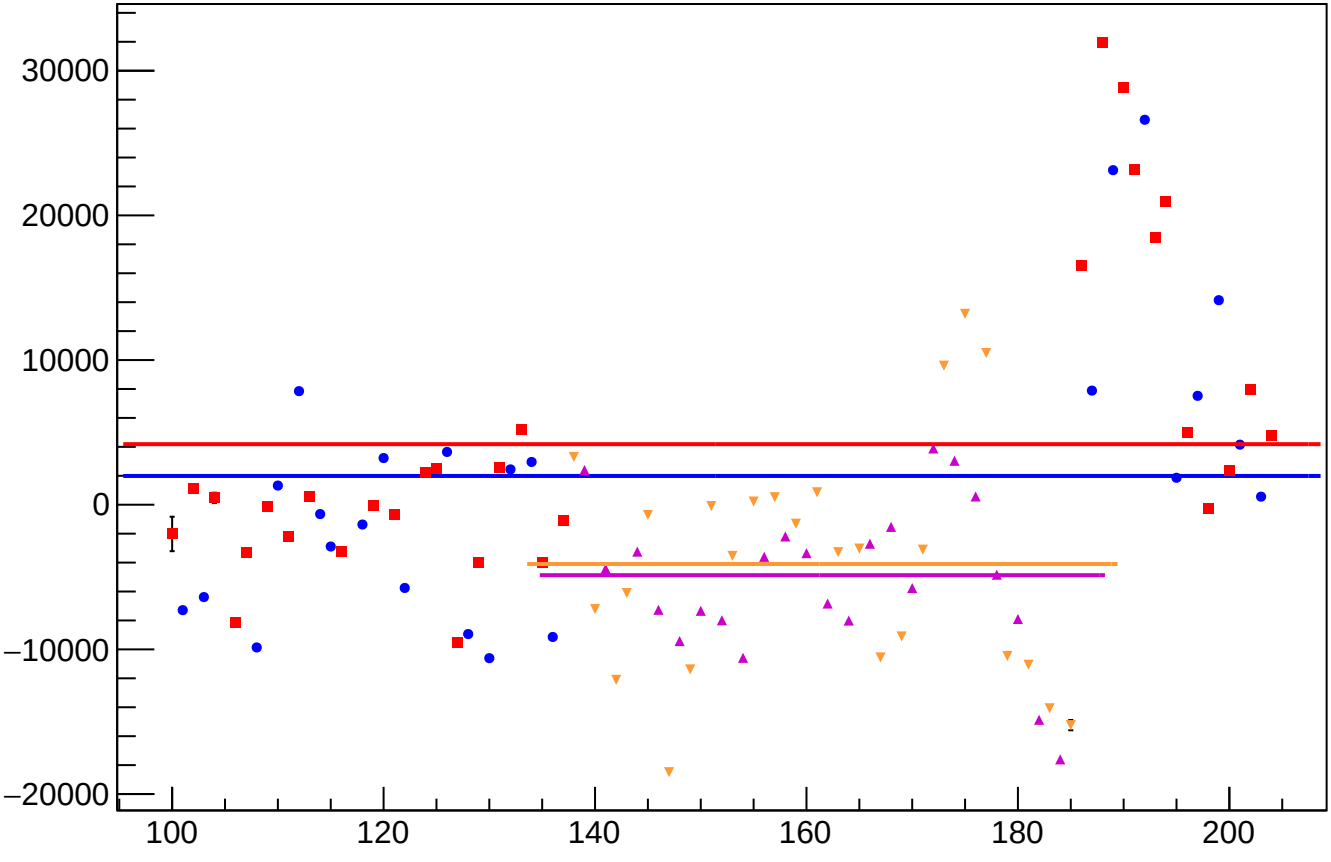
Right: 129.164+/-0.018 χ^2/NDF: 2358614.3/53

In: 131.388+/-0.017 χ^2/NDF:2458695.2/46

Out: 130.613+/-0.016 χ^2/NDF:2881844.0/54

All: 130.979+/-0.012 χ^2/NDF: 5341625.7/101

asym_bpm2i01WS_mean vs Slug, Sign Corrected



Right In: 1988.216+/-33.556 χ^2/NDF: 82560.3/23

Left Out: -4098.897+/-27.771 χ^2/NDF:66271.3/24

Right Out: 4185.803+/-31.261 χ^2/NDF: 108597.7/29

Left In: -4869.740+/-28.809 χ^2/NDF:21913.6/22

Left: -4470.191+/-19.994 χ^2/NDF: 88556.0/47

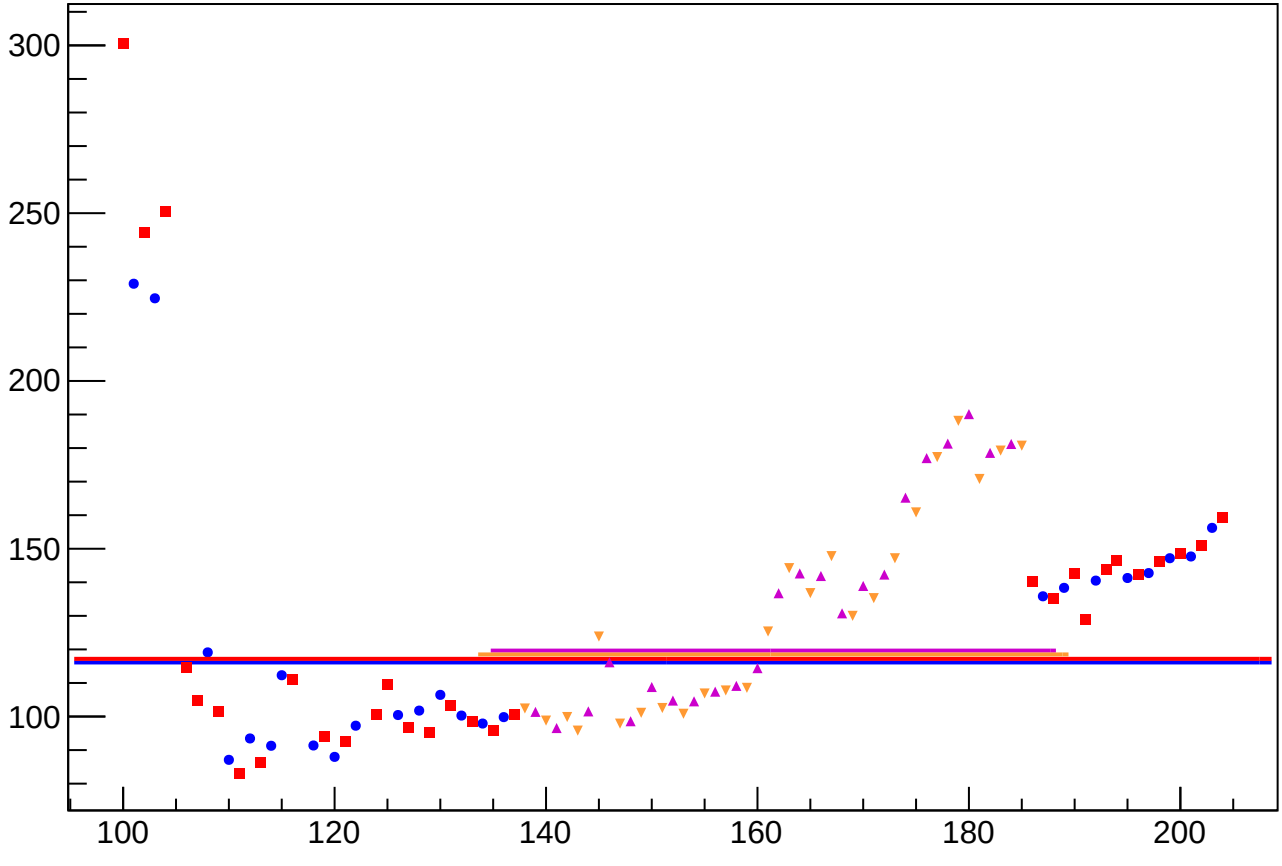
Right: 3164.726+/-22.873 χ^2/NDF: 193454.2/53

In: -1959.753+/-21.858 χ^2/NDF:128519.5/46

Out: -444.528+/-20.762 χ^2/NDF:214123.8/54

All: -1163.188+/-15.054 χ^2/NDF: 345169.5/1

asym_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 116.113+/-0.024 χ^2/NDF: 1518685.9/23

Left Out: 118.502+/-0.020 χ^2/NDF:1627138.9/24

Right Out: 117.192+/-0.022 χ^2/NDF: 1879775.9/29

Left In: 119.645+/-0.020 χ^2/NDF:1512380.5/22

Left: 119.052+/-0.014 χ^2/NDF: 3141151.7/47

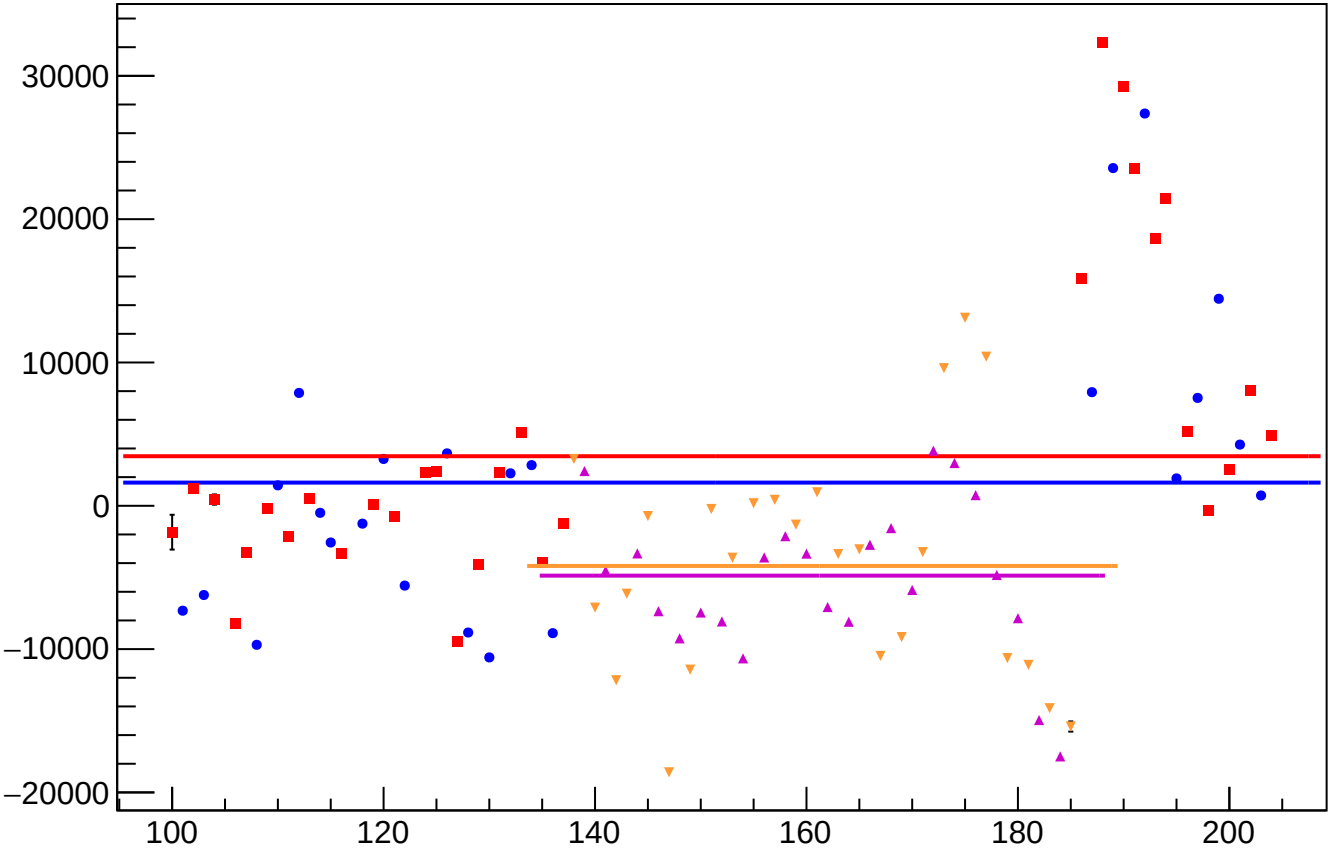
Right: 116.691+/-0.016 χ^2/NDF: 3399567.6/53

In: 118.146+/-0.015 χ^2/NDF:3043819.8/46

Out: 117.924+/-0.015 χ^2/NDF:3508877.9/54

All: 118.029+/-0.011 χ^2/NDF: 6552806.7/101

asym_bpm2i02WS_mean vs Slug, Sign Corrected



Right In: 1618.423+/-32.911 χ^2/NDF: 81382.5/23

Left Out: -4197.414+/-27.211 χ^2/NDF:70415.4/24

Right Out: 3459.797+/-30.789 χ^2/NDF: 101914.8/29

Left In: -4873.124+/-28.200 χ^2/NDF:22923.8/22

Left: -4523.205+/-19.581 χ^2/NDF: 93636.5/47

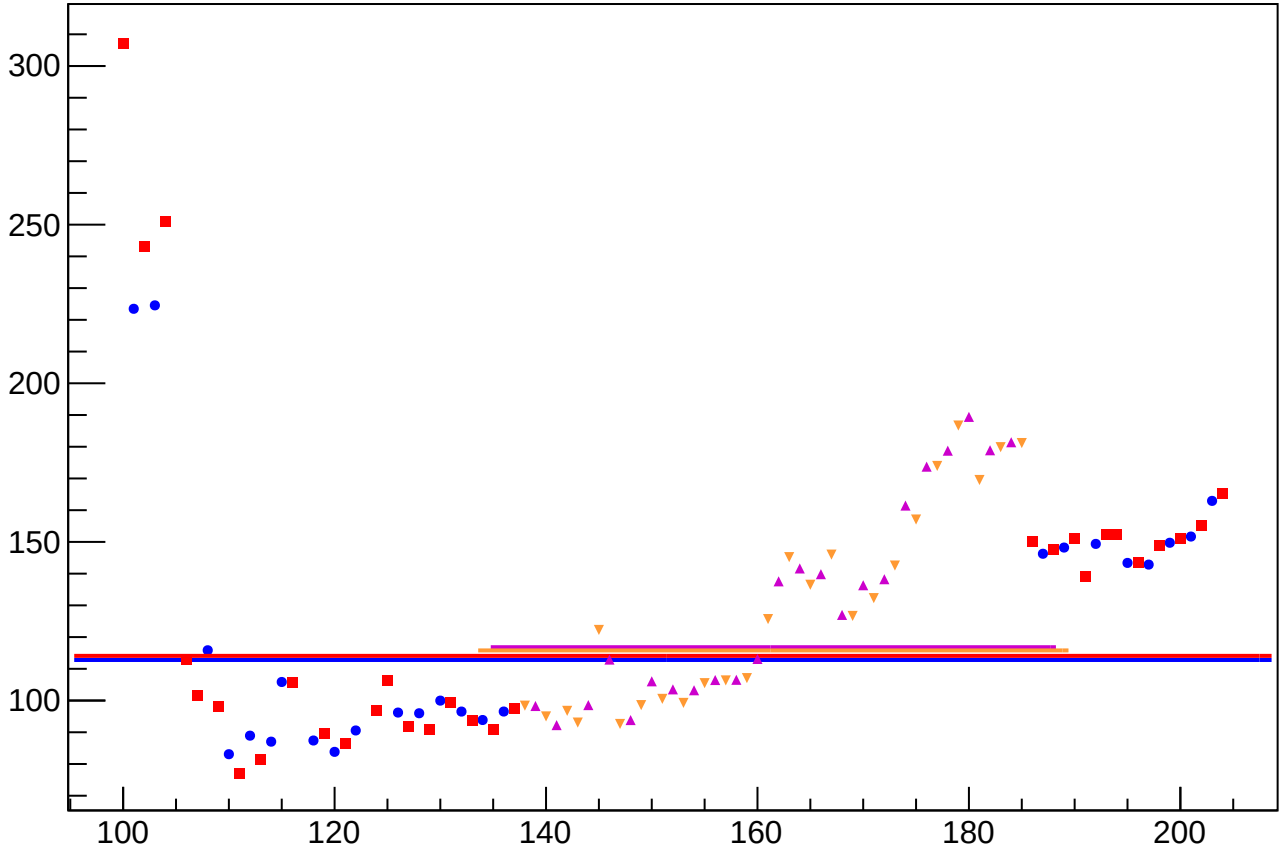
Right: 2600.404+/-22.484 χ^2/NDF: 184966.7/53

In: -2124.829+/-21.414 χ^2/NDF:126740.2/46

Out: -839.391+/-20.389 χ^2/NDF:207057.9/54

All: -1450.603+/-14.766 χ^2/NDF: 335688.0/1

asym_bpm2i02WS_rms vs Slug, Sign Corrected



Right In: 112.783+/-0.023 χ^2/NDF: 1886493.5/23

Left Out: 115.798+/-0.019 χ^2/NDF:1749021.2/24

Right Out: 114.083+/-0.022 χ^2/NDF: 2443882.8/29

Left In: 116.808+/-0.020 χ^2/NDF:1617645.9/22

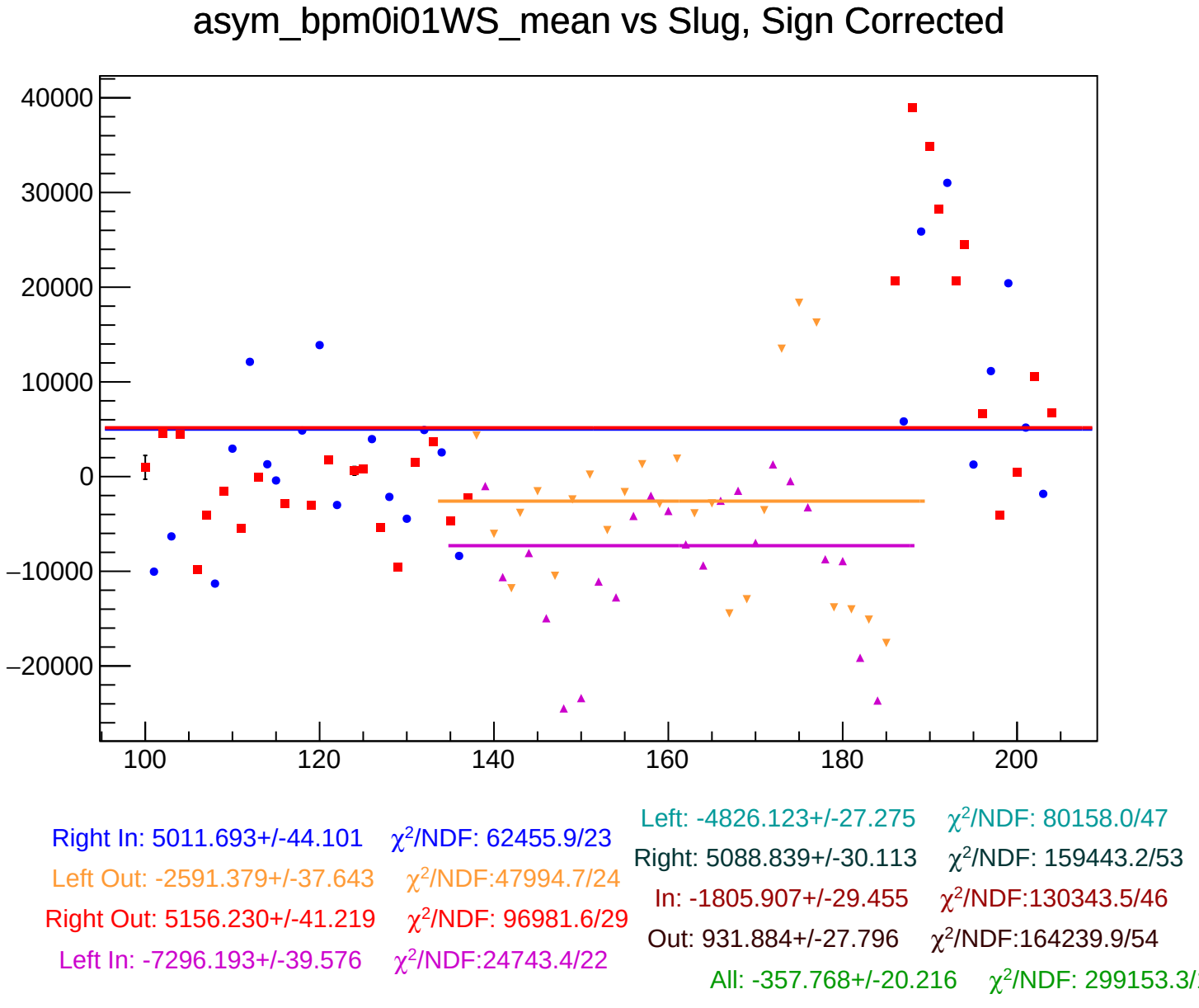
Left: 116.285+/-0.014 χ^2/NDF: 3367997.1/47

Right: 113.476+/-0.016 χ^2/NDF: 4332038.0/53

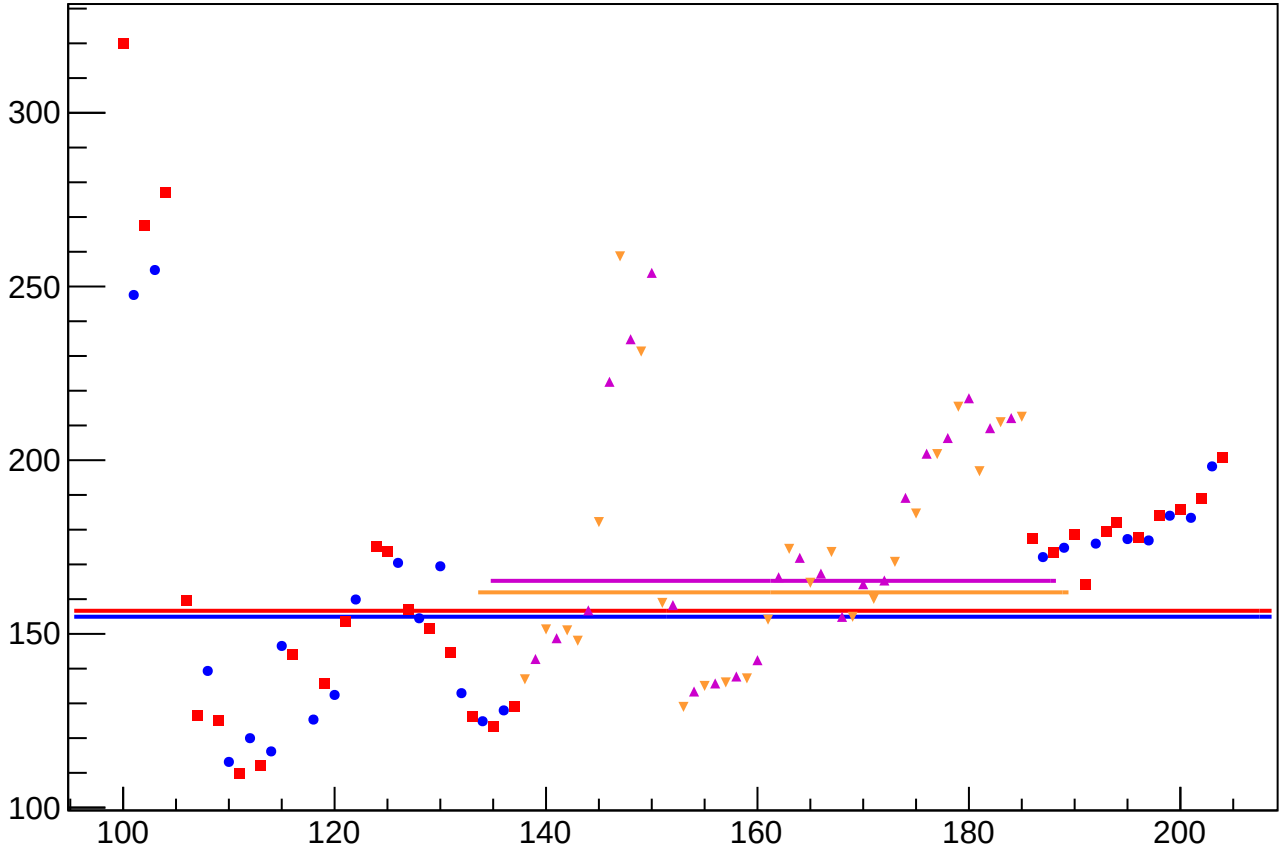
In: 115.104+/-0.015 χ^2/NDF:3521388.6/46

Out: 115.046+/-0.014 χ^2/NDF:4196389.6/54

All: 115.074+/-0.010 χ^2/NDF: 7717786.1/101


asym_bpm0i01WS_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
100
120
140
160
180
200
Right In: 5011.693+/-44.101 χ²/NDF: 62455.9/23
Left Out: -2591.379+/-37.643 χ²/NDF:47994.7/24
Right Out: 5156.230+/-41.219 χ²/NDF: 96981.6/29
Left In: -7296.193+/-39.576 χ²/NDF:24743.4/22
Left: -4826.123+/-27.275 χ²/NDF: 80158.0/47
Right: 5088.839+/-30.113 χ²/NDF: 159443.2/53
In: -1805.907+/-29.455 χ²/NDF:130343.5/46
Out: 931.884+/-27.796 χ²/NDF:164239.9/54
All: -357.768+/-20.216 χ²/NDF: 299153.3/10

asym_bpm0i01WS_rms vs Slug, Sign Corrected



Right In: 154.942+/-0.031 χ^2/NDF: 1075554.8/23

Left Out: 161.957+/-0.027 χ^2/NDF:1144808.3/24

Right Out: 156.653+/-0.029 χ^2/NDF: 1352169.6/29

Left In: 165.273+/-0.028 χ^2/NDF:1179090.6/22

Left: 163.532+/-0.019 χ^2/NDF: 2331268.8/47

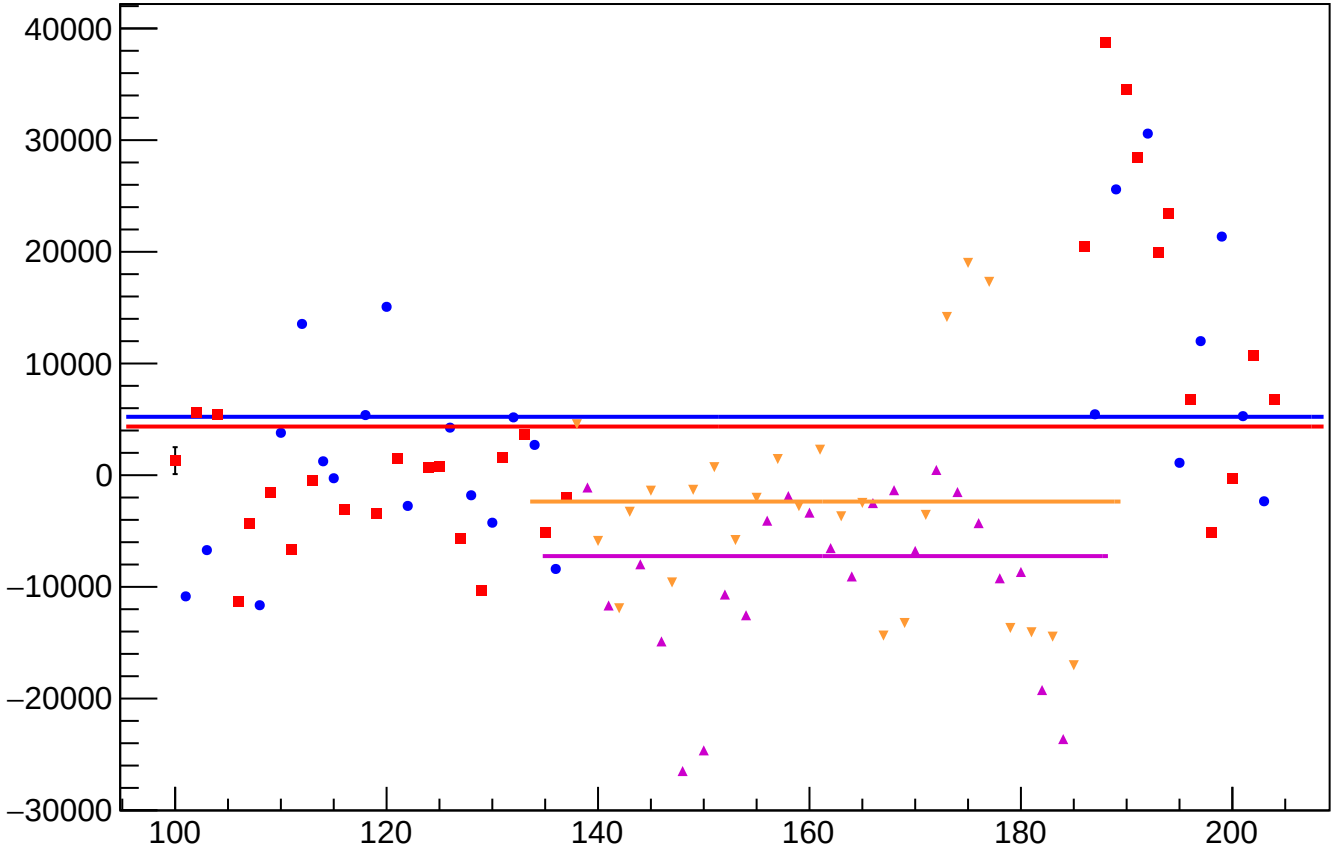
Right: 155.855+/-0.021 χ^2/NDF: 2429331.4/53

In: 160.664+/-0.021 χ^2/NDF:2315435.8/46

Out: 159.545+/-0.020 χ^2/NDF:2515034.6/54

All: 160.072+/-0.014 χ^2/NDF: 4831998.1/101

asym_bpm0i01aWS_mean vs Slug, Sign Corrected



Right In: 5228.243+/-37.366 χ^2/NDF: 87361.6/23

Left Out: -2360.753+/-33.680 χ^2/NDF:58566.4/24

Right Out: 4355.290+/-34.738 χ^2/NDF: 134612.9/29

Left In: -7244.763+/-35.507 χ^2/NDF:30447.9/22

Left: -4673.874+/-24.436 χ^2/NDF: 98973.5/47

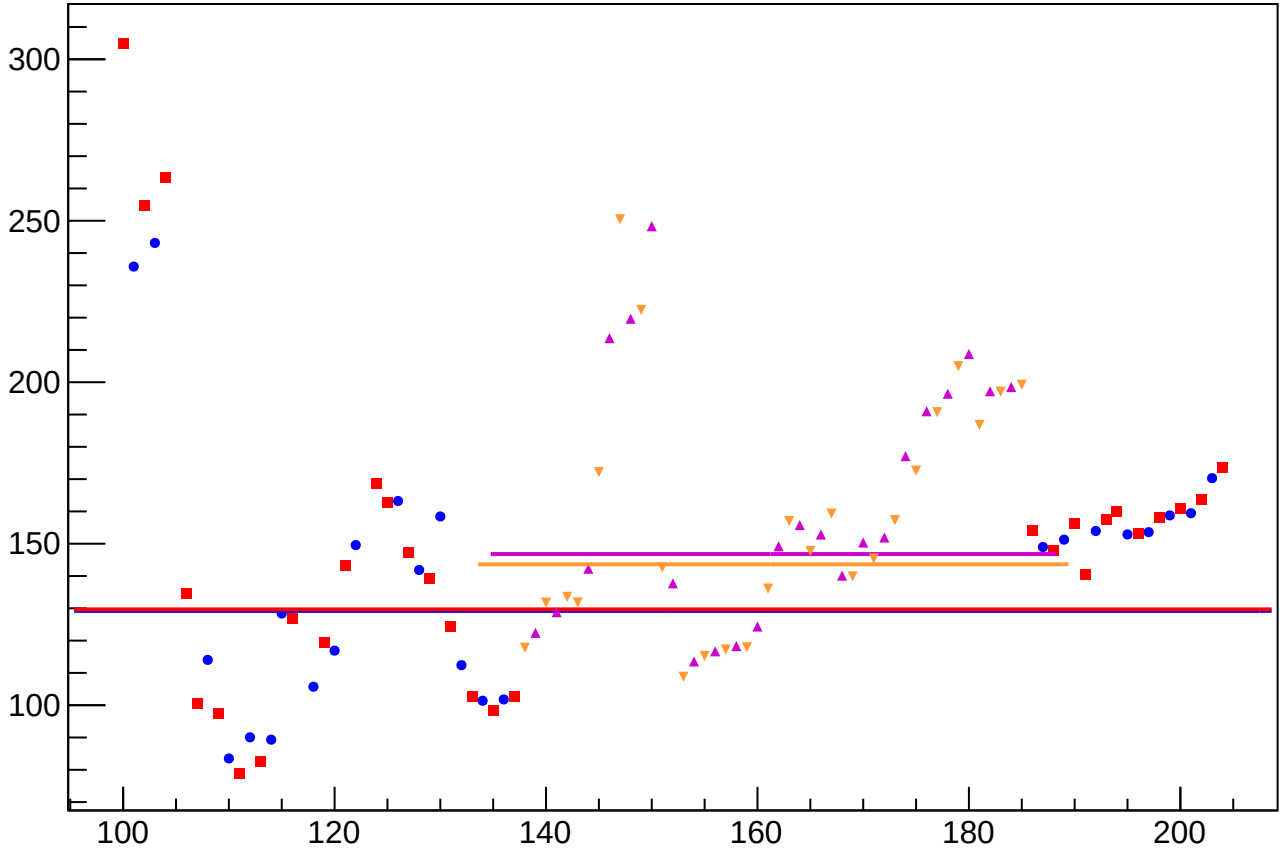
Right: 4759.992+/-25.442 χ^2/NDF: 222267.3/53

In: -1326.228+/-25.739 χ^2/NDF:176363.0/46

Out: 893.440+/-24.181 χ^2/NDF:212446.1/54

All: -147.158+/-17.624 χ^2/NDF: 392759.3/10

asym_bpm0i01aWS_rms vs Slug, Sign Corrected



Right In: 129.206+/-0.026 χ^2/NDF: 1685564.1/23

Left Out: 143.622+/-0.024 χ^2/NDF:1662825.4/24

Right Out: 129.663+/-0.025 χ^2/NDF: 2171379.4/29

Left In: 146.793+/-0.025 χ^2/NDF:1694524.1/22

Left: 145.124+/-0.017 χ^2/NDF: 3365746.4/47

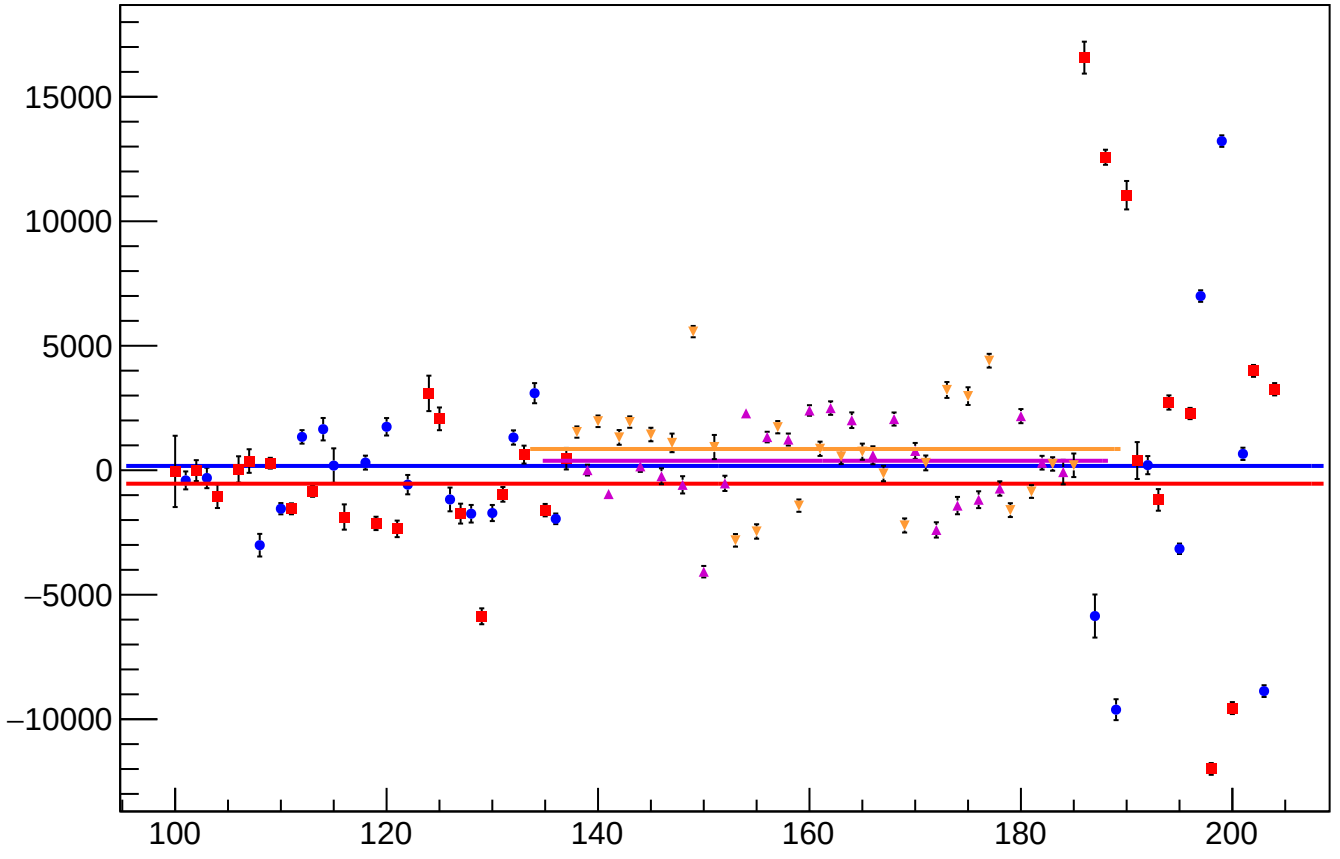
Right: 129.451+/-0.018 χ^2/NDF: 3857104.3/53

In: 138.448+/-0.018 χ^2/NDF:3612922.1/46

Out: 136.859+/-0.017 χ^2/NDF:4000663.0/54

All: 137.604+/-0.012 χ^2/NDF: 7617635.5/101

asym_bpm0l01WS_mean vs Slug, Sign Corrected



Right In: 173.345+/-62.365 χ^2/NDF: 6763.5/23

Left Out: 853.916+/-56.237 χ^2/NDF:1443.8/24

Right Out: -540.316+/-58.154 χ^2/NDF: 8148.4/29

Left In: 380.865+/-55.135 χ^2/NDF:982.4/22

Left: 612.713+/-39.370 χ^2/NDF: 2462.3/47

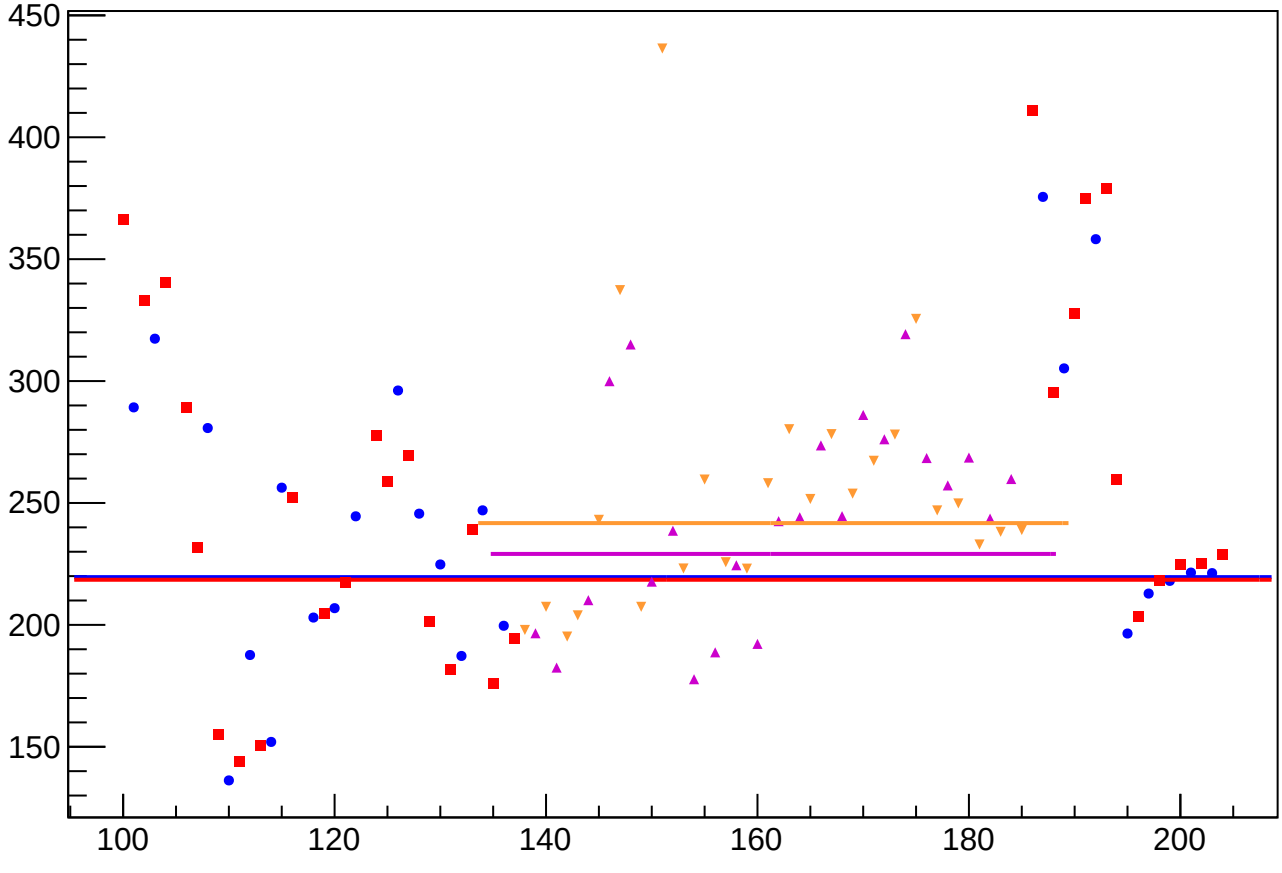
Right: -208.394+/-42.532 χ^2/NDF: 14982.0/53

In: 289.826+/-41.307 χ^2/NDF:7752.1/46

Out: 180.163+/-40.426 χ^2/NDF:9889.3/54

All: 233.812+/-28.892 χ^2/NDF: 17645.0/101

asym_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 219.585+/-0.044 χ^2/NDF: 1171352.8/23

Left Out: 241.746+/-0.040 χ^2/NDF:986390.8/24

Right Out: 218.509+/-0.041 χ^2/NDF: 1908850.2/29

Left In: 229.103+/-0.039 χ^2/NDF:1068960.6/22

Left: 235.300+/-0.028 χ^2/NDF: 2106890.7/47

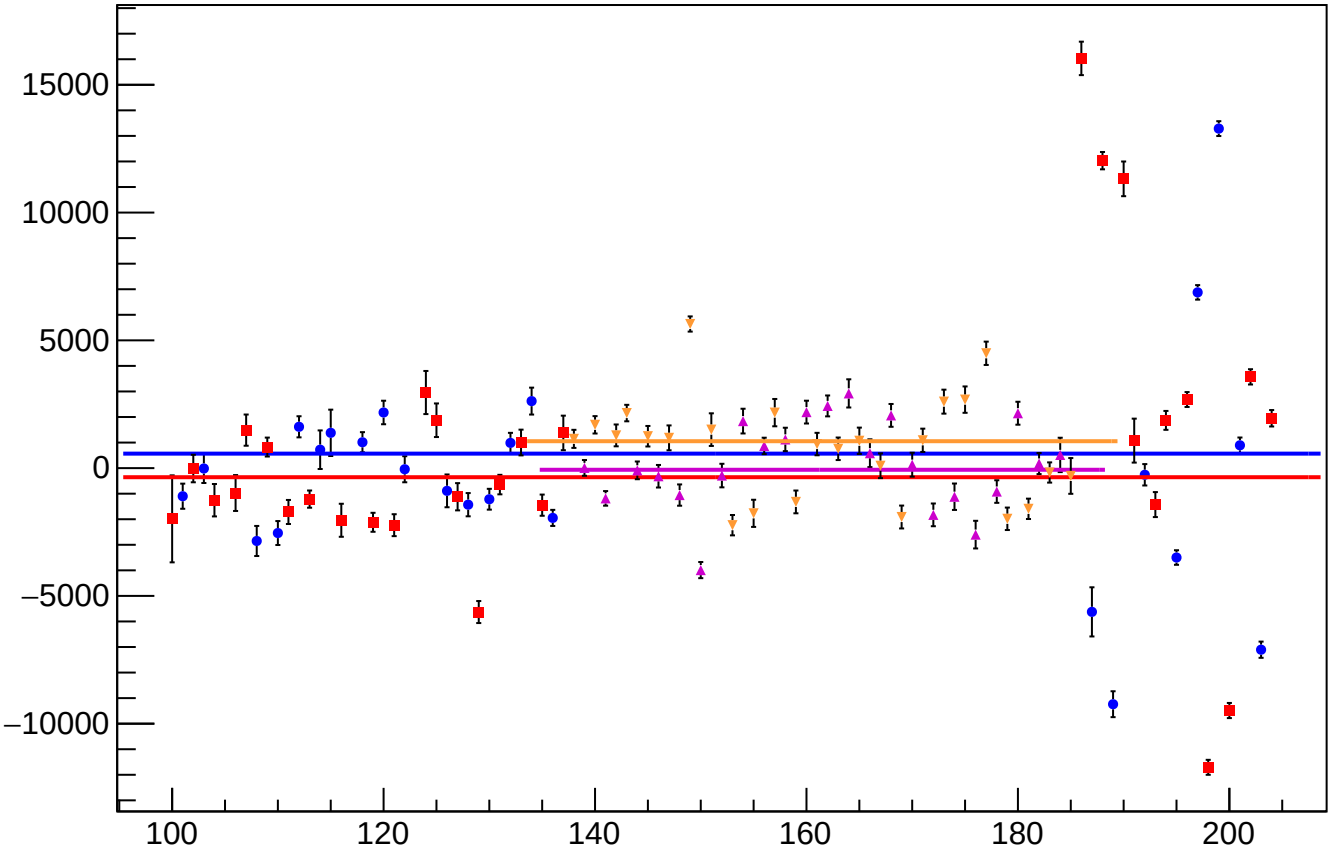
Right: 219.009+/-0.030 χ^2/NDF: 3080521.4/53

In: 224.928+/-0.029 χ^2/NDF:2266463.1/46

Out: 230.517+/-0.029 χ^2/NDF:3060251.7/54

All: 227.782+/-0.020 χ^2/NDF: 5345418.0/101

asym_bpm0l02WS_mean vs Slug, Sign Corrected



Right In: 567.133+/-84.523 χ^2/NDF: 3856.7/23

Left Out: 1053.354+/-85.895 χ^2/NDF:614.6/24

Right Out: -355.650+/-79.094 χ^2/NDF: 5371.2/29

Left In: -64.646+/-86.660 χ^2/NDF:394.4/22

Left: 499.305+/-61.006 χ^2/NDF: 1093.0/47

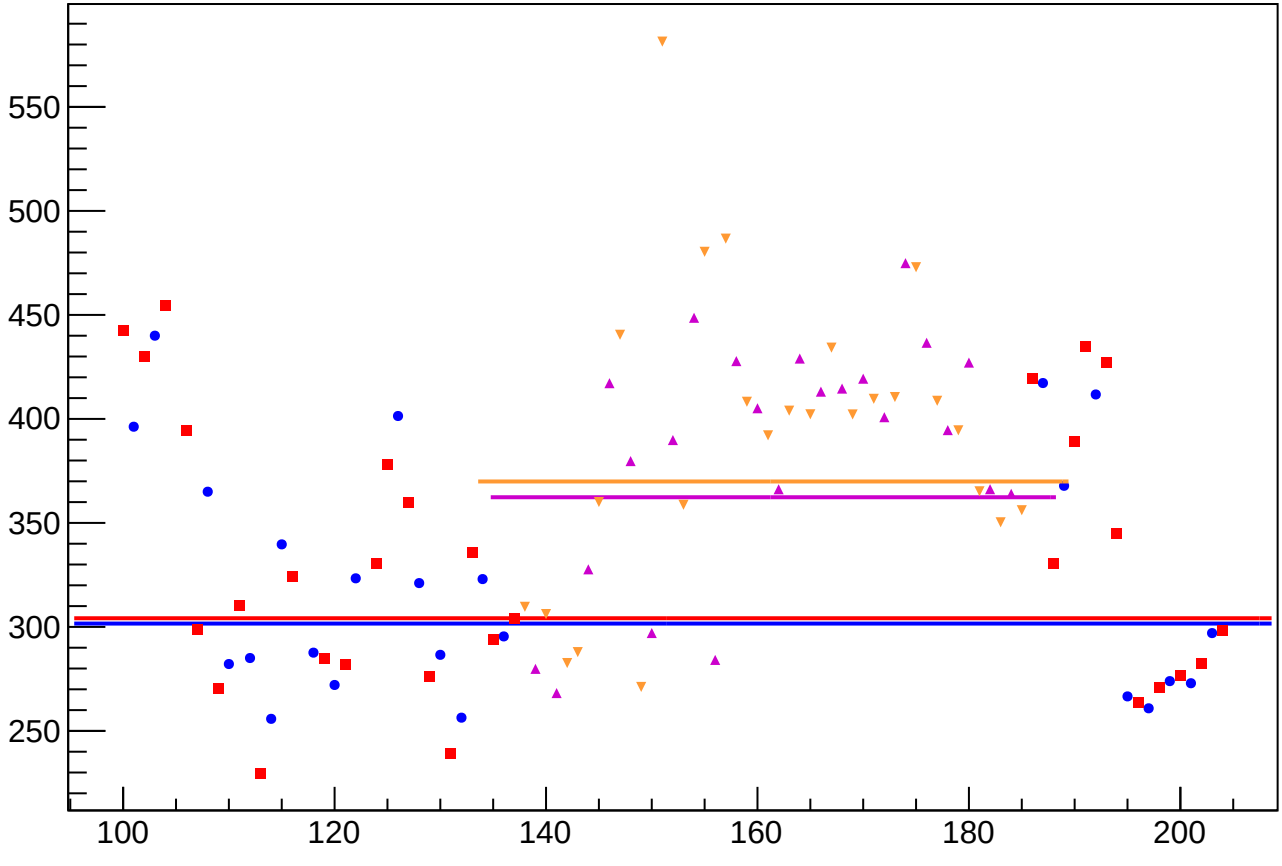
Right: 75.157+/-57.752 χ^2/NDF: 9291.4/53

In: 259.129+/-60.508 χ^2/NDF:4278.4/46

Out: 290.867+/-58.184 χ^2/NDF:6131.4/54

All: 275.619+/-41.940 χ^2/NDF: 10409.9/101

asym_bpm0l02WS_rms vs Slug, Sign Corrected



Right In: 301.612+/-0.060 χ^2/NDF: 642904.2/23

Left Out: 369.923+/-0.061 χ^2/NDF:1230300.9/24

Right Out: 304.166+/-0.056 χ^2/NDF: 916620.0/29

Left In: 362.341+/-0.061 χ^2/NDF:1053395.6/22

Left: 366.166+/-0.043 χ^2/NDF: 2291420.1/47

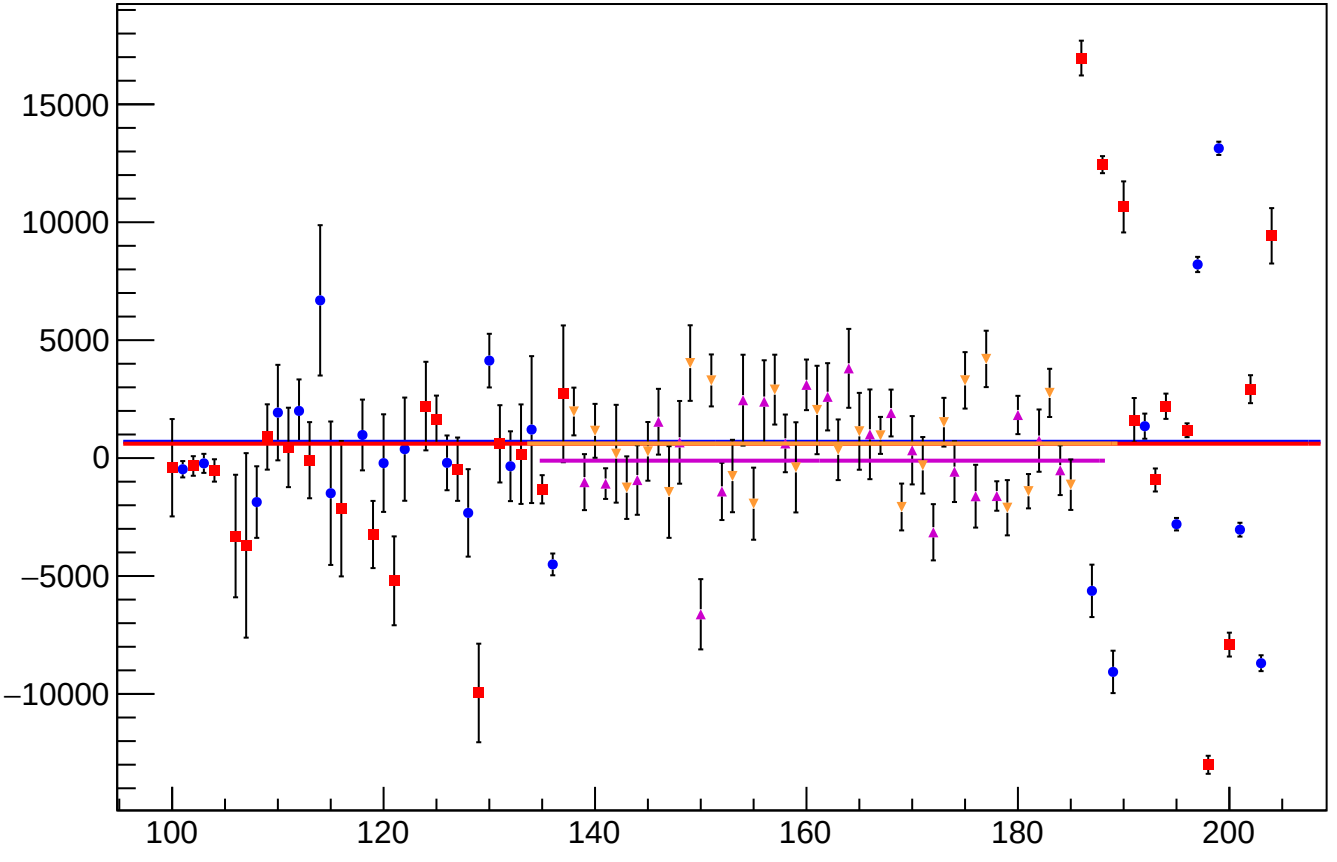
Right: 302.973+/-0.041 χ^2/NDF: 1560497.5/53

In: 331.219+/-0.043 χ^2/NDF:2199646.1/46

Out: 334.338+/-0.041 χ^2/NDF:2781238.4/54

All: 332.840+/-0.030 χ^2/NDF: 4983647.2/101

asym_bpm0l03WS_mean vs Slug, Sign Corrected



Right In: 691.419+/-107.626 χ^2/NDF: 3928.5/23

Left Out: 618.538+/-238.150 χ^2/NDF:65.7/24

Right Out: 609.304+/-125.491 χ^2/NDF: 3369.2/29

Left In: -109.519+/-237.827 χ^2/NDF:71.7/22

Left: 254.016+/-168.283 χ^2/NDF: 142.1/47

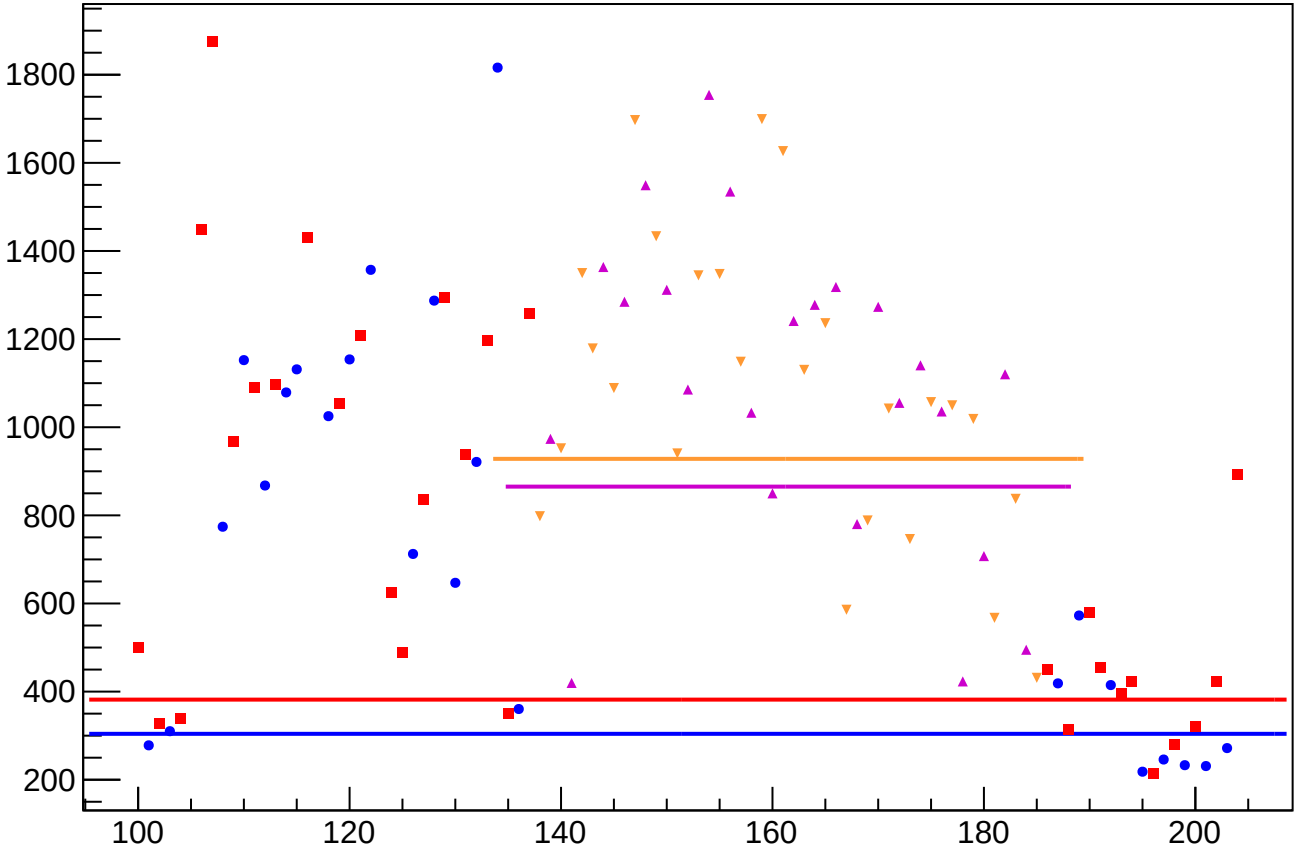
Right: 656.617+/-81.696 χ^2/NDF: 7297.9/53

In: 555.274+/-98.053 χ^2/NDF:4009.6/46

Out: 611.311+/-111.020 χ^2/NDF:3434.9/54

All: 579.830+/-73.493 χ^2/NDF: 7444.7/101

asym_bpm0l03WS_rms vs Slug, Sign Corrected



Right In: 304.183+/-0.076 χ^2/NDF: 5111026.5/23

Left Out: 928.240+/-0.168 χ^2/NDF:3294716.2/24

Right Out: 381.820+/-0.089 χ^2/NDF: 5665289.6/29

Left In: 865.223+/-0.168 χ^2/NDF:4792678.4/22

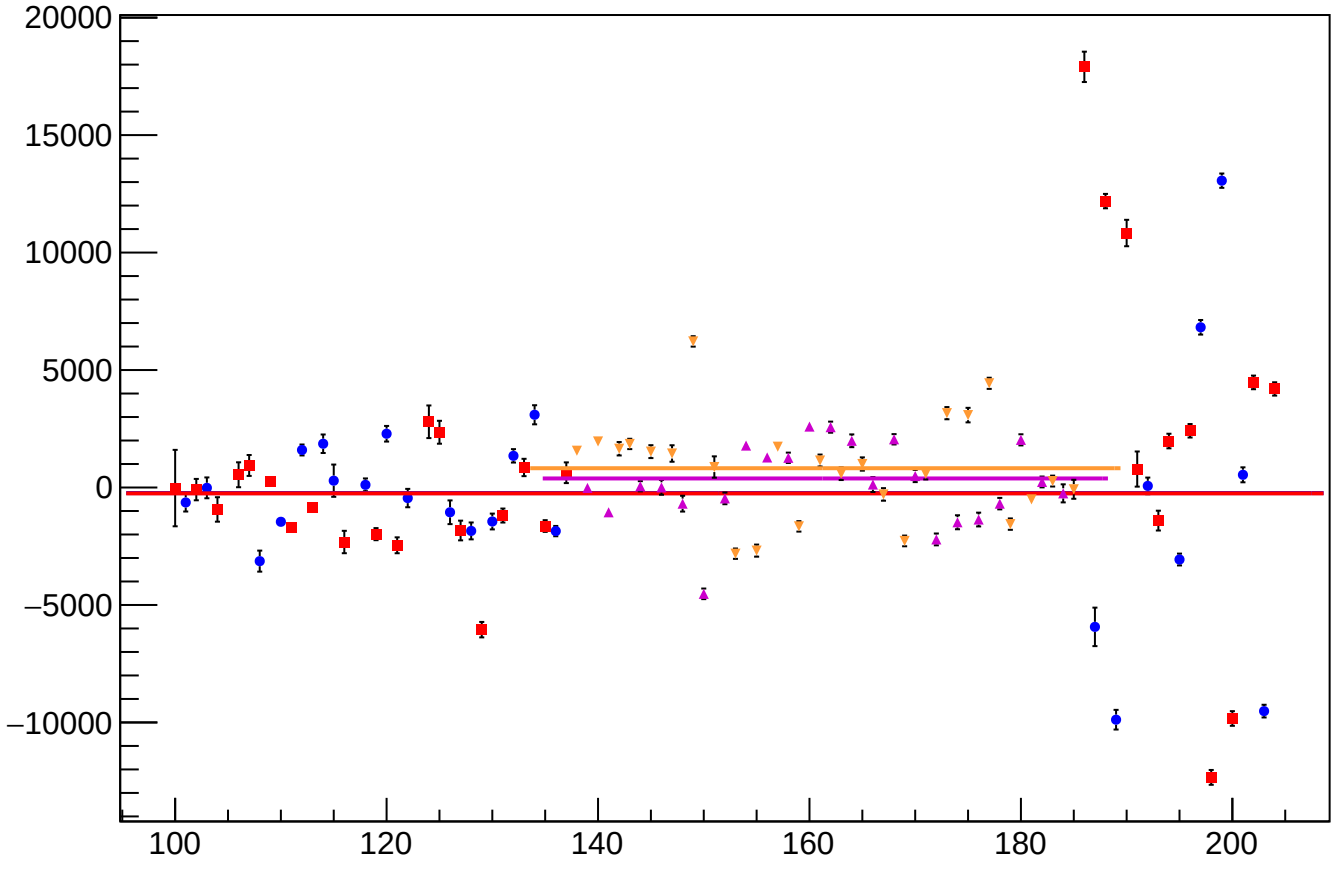
Left: 896.689+/-0.119 χ^2/NDF: 8157507.8/47

Right: 337.087+/-0.058 χ^2/NDF: 11217389.4/53

In: 399.550+/-0.069 χ^2/NDF:19141788.9/46

Out: 500.569+/-0.079 χ^2/NDF:17200705.3/54

All: 443.818+/-0.052 χ^2/NDF: 37272758.5/10



Right In: -236.962+/-65.605 χ^2/NDF: 4726.7/23

Left Out: 820.821+/-49.996 χ^2/NDF:1990.8/24

Right Out: -249.840+/-59.962 χ^2/NDF: 6513.3/29

Left In: 385.002+/-48.455 χ^2/NDF:1253.3/22

Left: 596.090+/-34.795 χ^2/NDF: 3283.3/47

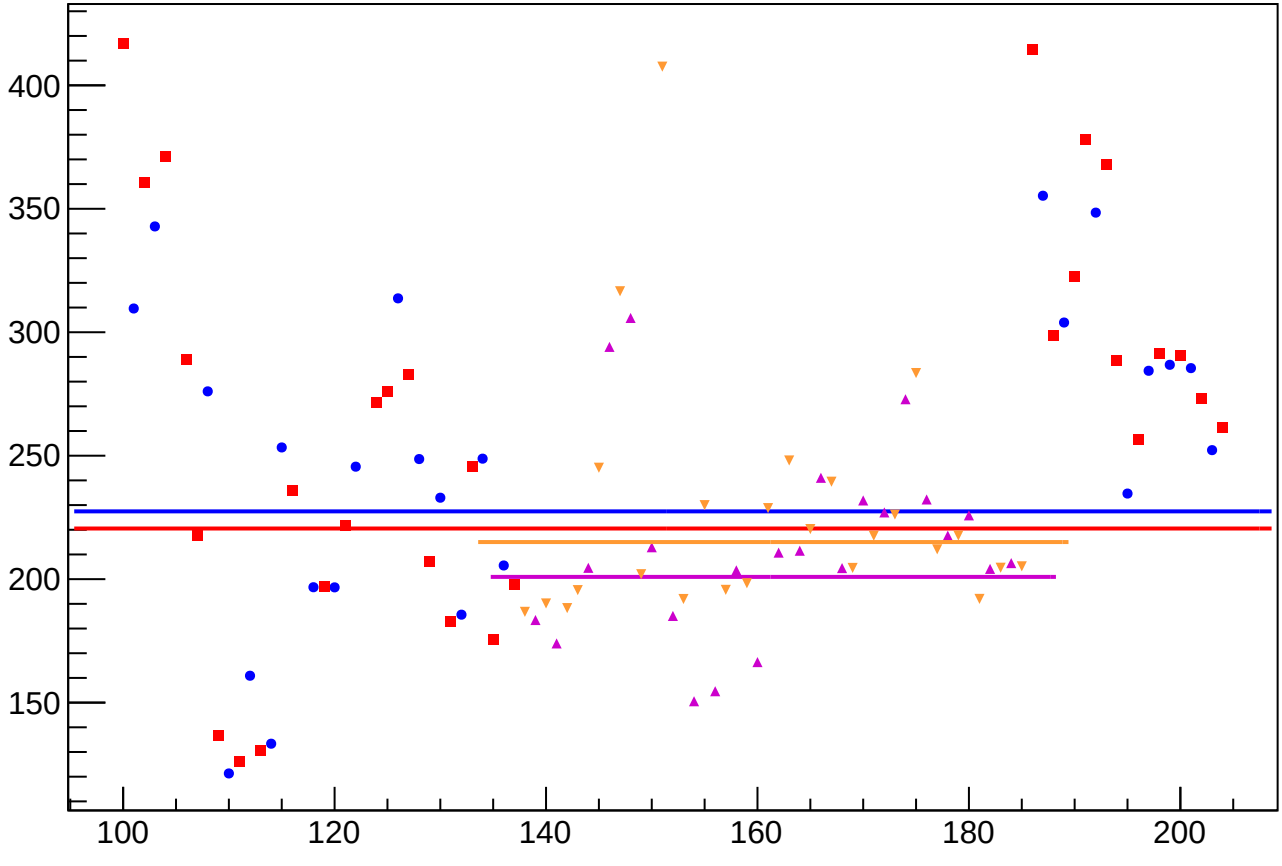
Right: -243.979+/-44.260 χ^2/NDF: 11240.0/53

In: 165.474+/-38.976 χ^2/NDF:6038.1/46

Out: 381.735+/-38.399 χ^2/NDF:8692.1/54

All: 275.217+/-27.354 χ^2/NDF: 14745.9/101

asym_bpm0l04WS_rms vs Slug, Sign Corrected



Right In: 227.454+/-0.046 χ^2/NDF: 1836704.2/23

Left Out: 215.027+/-0.035 χ^2/NDF:897791.6/24

Right Out: 220.510+/-0.042 χ^2/NDF: 3071197.0/29

Left In: 200.917+/-0.034 χ^2/NDF:1105842.5/22

Left: 207.751+/-0.025 χ^2/NDF: 2085775.1/47

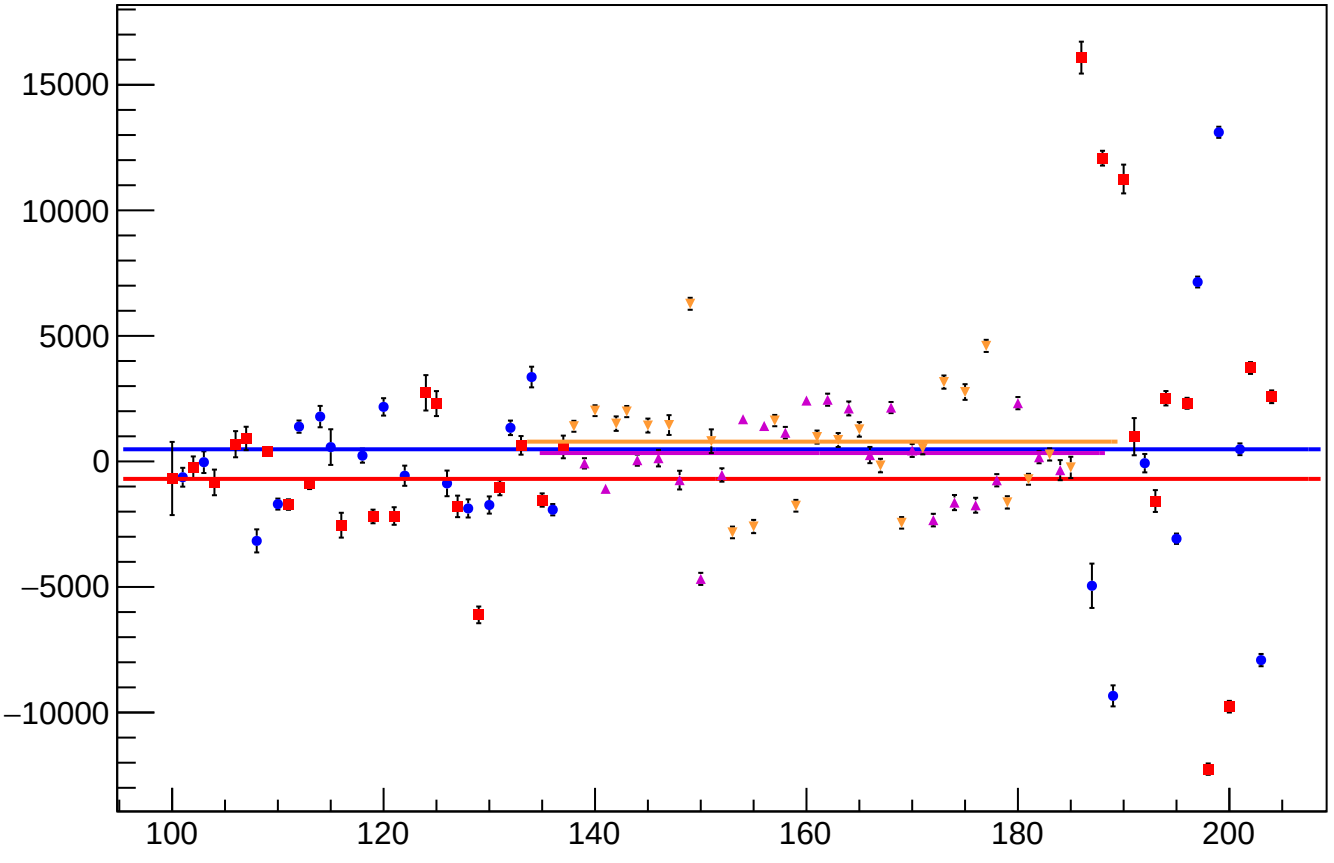
Right: 223.670+/-0.031 χ^2/NDF: 4920112.0/53

In: 210.284+/-0.028 χ^2/NDF:3154285.6/46

Out: 217.275+/-0.027 χ^2/NDF:3978852.8/54

All: 213.832+/-0.019 χ^2/NDF: 7165797.3/101

asym_bpm0l05WS_mean vs Slug, Sign Corrected



Right In: 483.321+/-61.846 χ^2/NDF: 6749.4/23

Left Out: 788.110+/-51.424 χ^2/NDF:1890.2/24

Right Out: -696.014+/-57.511 χ^2/NDF: 8495.8/29

Left In: 333.303+/-50.194 χ^2/NDF:1215.2/22

Left: 555.203+/-35.920 χ^2/NDF: 3145.5/47

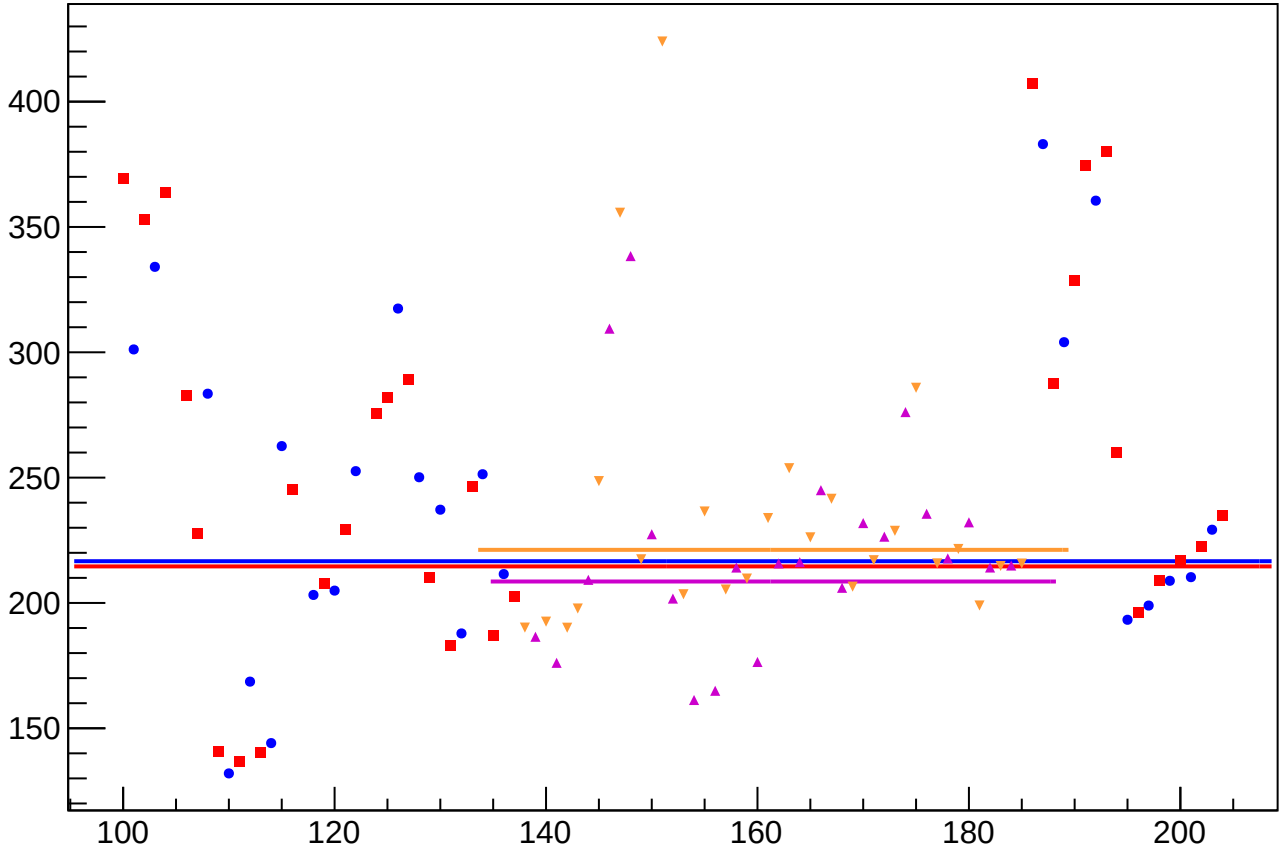
Right: -149.118+/-42.116 χ^2/NDF: 15440.2/53

In: 392.879+/-38.974 χ^2/NDF:7968.2/46

Out: 128.714+/-38.334 χ^2/NDF:10756.1/54

All: 258.613+/-27.330 χ^2/NDF: 18747.6/101

asym_bpm0l05WS_rms vs Slug, Sign Corrected



Right In: 216.652+/-0.044 χ^2/NDF: 1407342.1/23

Left Out: 221.185+/-0.036 χ^2/NDF:939520.0/24

Right Out: 214.580+/-0.041 χ^2/NDF: 2264936.8/29

Left In: 208.556+/-0.035 χ^2/NDF:1035638.0/22

Left: 214.718+/-0.025 χ^2/NDF: 2036930.5/47

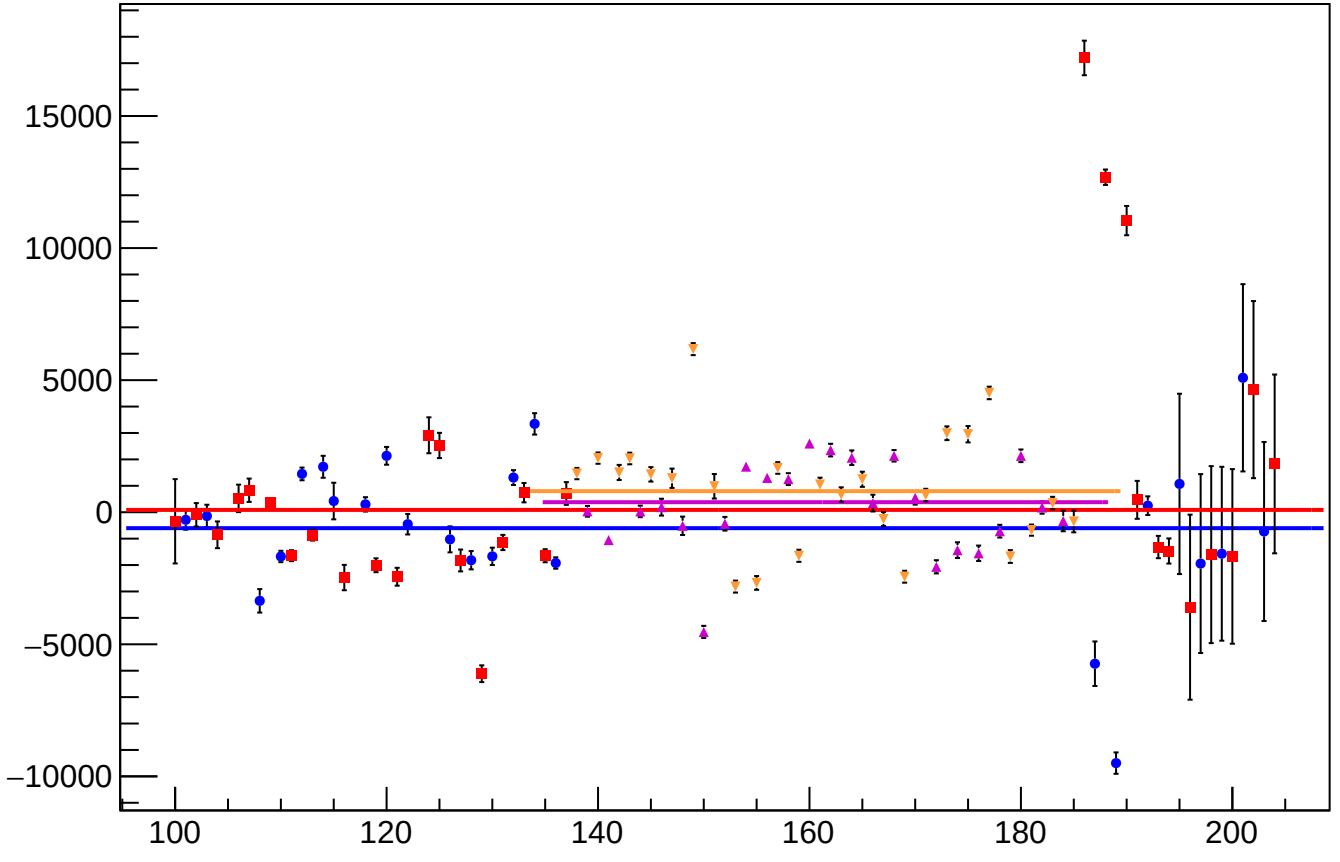
Right: 215.541+/-0.030 χ^2/NDF: 3673483.0/53

In: 211.771+/-0.028 χ^2/NDF:2463642.6/46

Out: 218.250+/-0.027 χ^2/NDF:3219117.9/54

All: 215.064+/-0.019 χ^2/NDF: 5710855.6/101

asym_bpm0l06WS_mean vs Slug, Sign Corrected



Right In: -603.385+/-76.398 χ^2/NDF: 979.6/23

Left Out: 797.475+/-50.495 χ^2/NDF:1960.8/24

Right Out: 87.534+/-68.115 χ^2/NDF: 3733.9/29

Left In: 379.578+/-49.183 χ^2/NDF:1201.2/22

Left: 583.028+/-35.232 χ^2/NDF: 3197.2/47

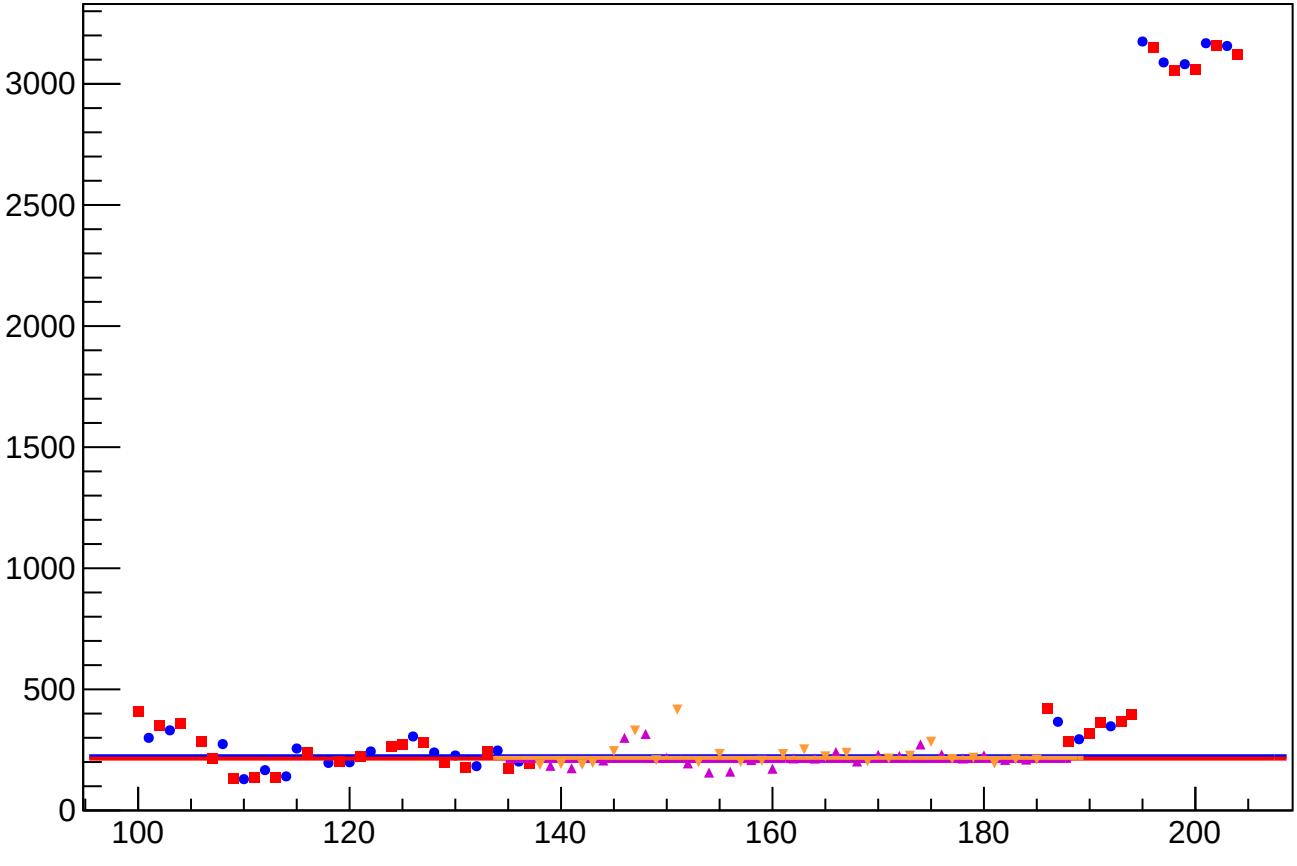
Right: -218.456+/-50.842 χ^2/NDF: 4759.0/53

In: 91.556+/-41.355 χ^2/NDF:2297.8/46

Out: 545.693+/-40.564 χ^2/NDF:5764.8/54

All: 323.004+/-28.959 χ^2/NDF: 8124.1/101

asym_bpm0l06WS_rms vs Slug, Sign Corrected



Right In: 223.844+/-0.054 χ^2/NDF: 8655921.9/23

Left Out: 217.224+/-0.036 χ^2/NDF:910445.0/24

Right Out: 214.104+/-0.048 χ^2/NDF: 9972695.3/29

Left In: 204.308+/-0.035 χ^2/NDF:1015049.0/22

Left: 210.596+/-0.025 χ^2/NDF: 1992646.9/47

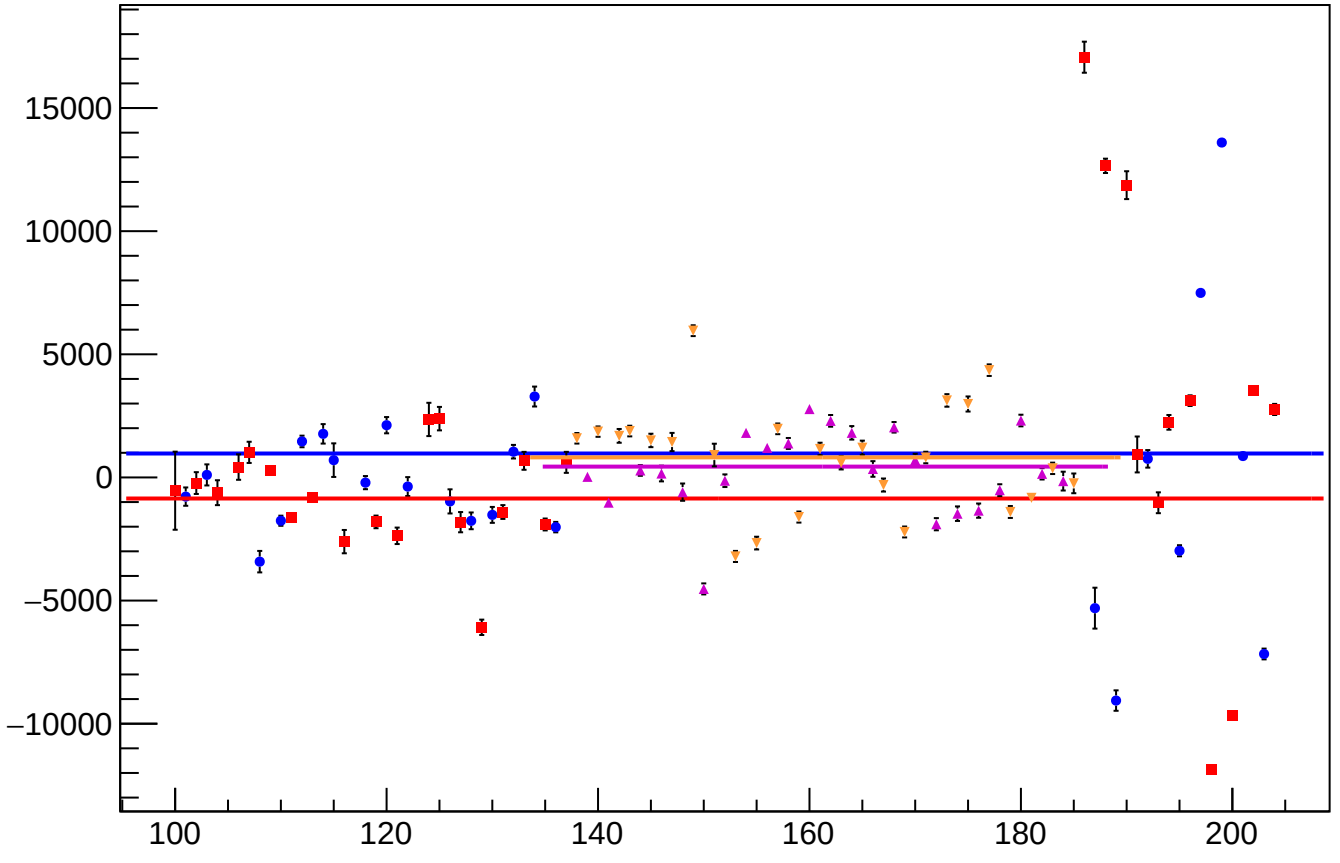
Right: 218.418+/-0.036 χ^2/NDF: 18646728.6/53

In: 210.032+/-0.029 χ^2/NDF:9763432.3/46

Out: 216.118+/-0.029 χ^2/NDF:10885848.9/54

All: 213.134+/-0.020 χ^2/NDF: 20671352.4/10

asym_bpm0l07WS_mean vs Slug, Sign Corrected



Right In: 971.779+/-58.039 χ^2/NDF: 8679.4/23

Left Out: 814.275+/-49.760 χ^2/NDF:2000.4/24

Right Out: -855.542+/-53.596 χ^2/NDF: 10244.0/29

Left In: 439.674+/-48.535 χ^2/NDF:1235.0/22

Left: 622.309+/-34.745 χ^2/NDF: 3264.4/47

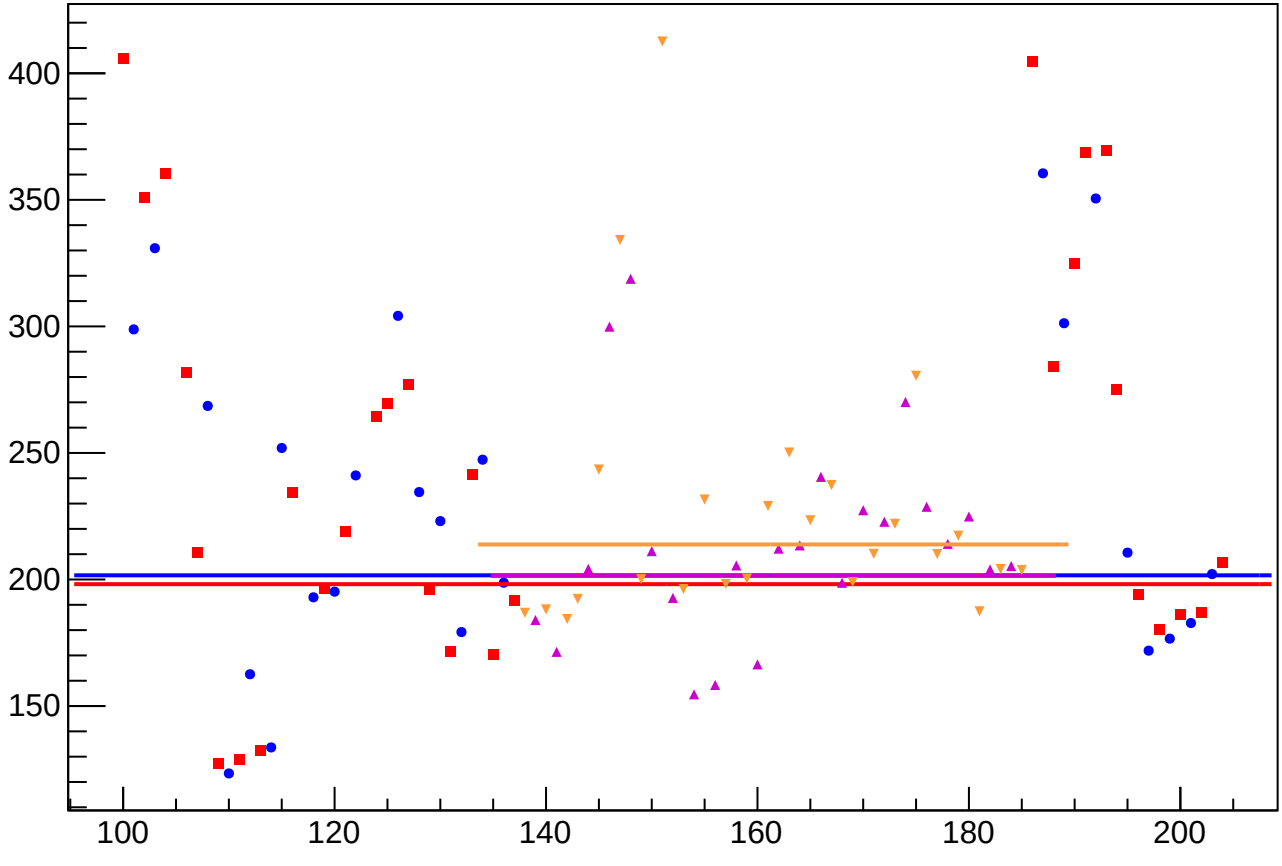
Right: -14.502+/-39.375 χ^2/NDF: 19458.4/53

In: 658.649+/-37.232 χ^2/NDF:9963.8/46

Out: 41.257+/-36.466 χ^2/NDF:12765.7/54

All: 343.535+/-26.052 χ^2/NDF: 22869.8/101

asym_bpm0l07WS_rms vs Slug, Sign Corrected



Right In: 201.646+/-0.041 χ^2/NDF: 1600694.4/23

Left Out: 213.848+/-0.035 χ^2/NDF:963582.3/24

Right Out: 198.156+/-0.038 χ^2/NDF: 2637118.8/29

Left In: 201.446+/-0.034 χ^2/NDF:1061972.3/22

Left: 207.492+/-0.025 χ^2/NDF: 2089227.0/47

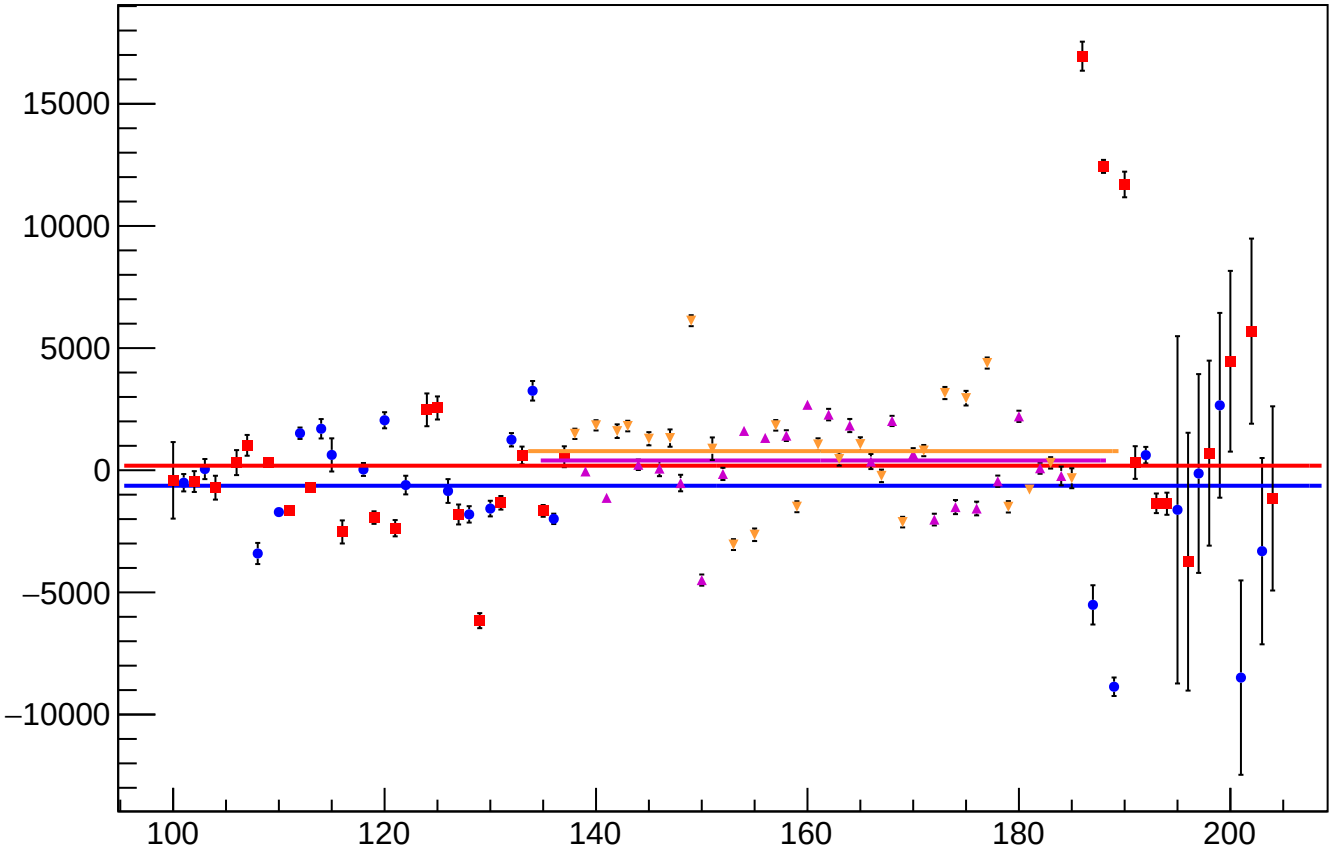
Right: 199.762+/-0.028 χ^2/NDF: 4241716.0/53

In: 201.528+/-0.026 χ^2/NDF:2662680.7/46

Out: 206.584+/-0.026 χ^2/NDF:3692780.2/54

All: 204.108+/-0.018 χ^2/NDF: 6374282.6/101

asym_bpm0l08WS_mean vs Slug, Sign Corrected



Right In: -634.611+/-74.008 χ^2/NDF: 997.6/23

Left Out: 782.388+/-49.199 χ^2/NDF:2001.3/24

Right Out: 186.230+/-65.436 χ^2/NDF: 4276.1/29

Left In: 399.798+/-47.819 χ^2/NDF:1232.0/22

Left: 585.651+/-34.291 χ^2/NDF: 3264.4/47

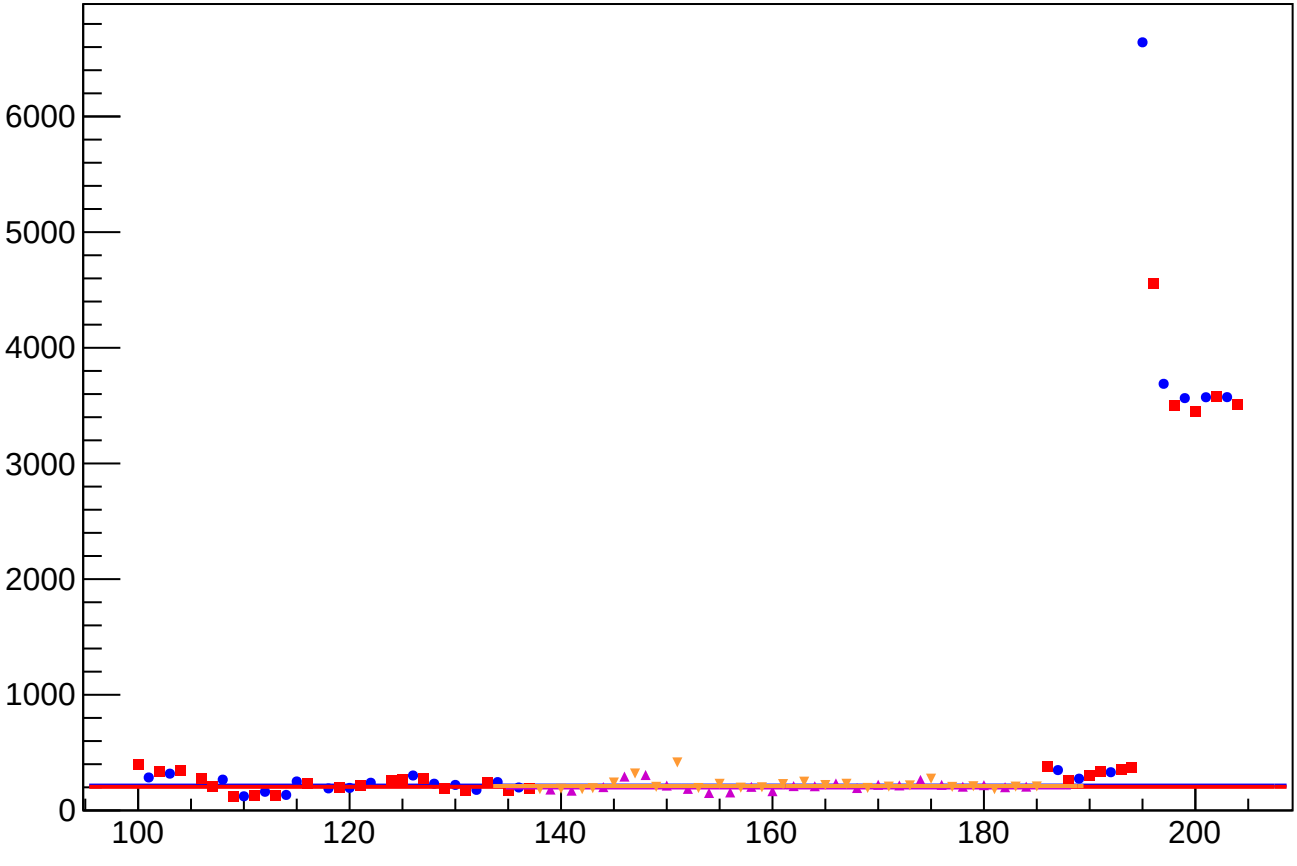
Right: -173.921+/-49.022 χ^2/NDF: 5342.7/53

In: 95.142+/-40.164 χ^2/NDF:2367.4/46

Out: 567.090+/-39.324 χ^2/NDF:6330.4/54

All: 336.104+/-28.099 χ^2/NDF: 8768.3/101

asym_bpm0l08WS_rms vs Slug, Sign Corrected



Right In: 215.040+/-0.052 χ^2/NDF: 8976579.8/23

Left Out: 211.496+/-0.035 χ^2/NDF:934978.4/24

Right Out: 204.201+/-0.046 χ^2/NDF: 10136460.5/29

Left In: 198.524+/-0.034 χ^2/NDF:1006458.6/22

Left: 204.826+/-0.024 χ^2/NDF: 2012924.3/47

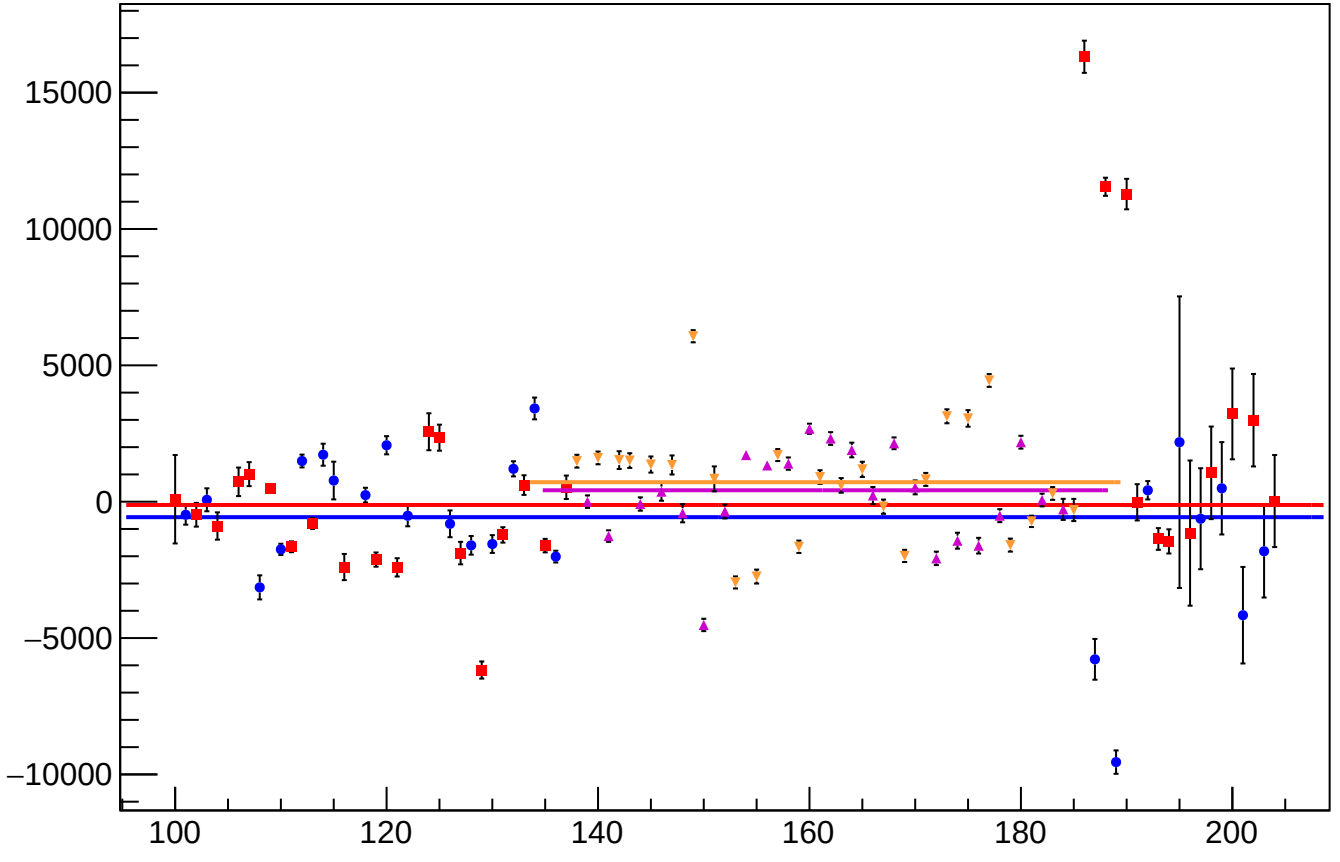
Right: 208.957+/-0.035 χ^2/NDF: 19137118.5/53

In: 203.389+/-0.028 χ^2/NDF:10053306.3/46

Out: 208.861+/-0.028 χ^2/NDF:11087317.1/54

All: 206.183+/-0.020 χ^2/NDF: 21159580.6/10

asym_bpm0l09WS_mean vs Slug, Sign Corrected



Right In: -567.318+/-75.009 χ^2/NDF: 958.4/23

Left Out: 715.643+/-51.110 χ^2/NDF:1918.0/24

Right Out: -120.476+/-67.080 χ^2/NDF: 3166.5/29

Left In: 418.574+/-49.523 χ^2/NDF:1241.0/22

Left: 562.426+/-35.566 χ^2/NDF: 3176.4/47

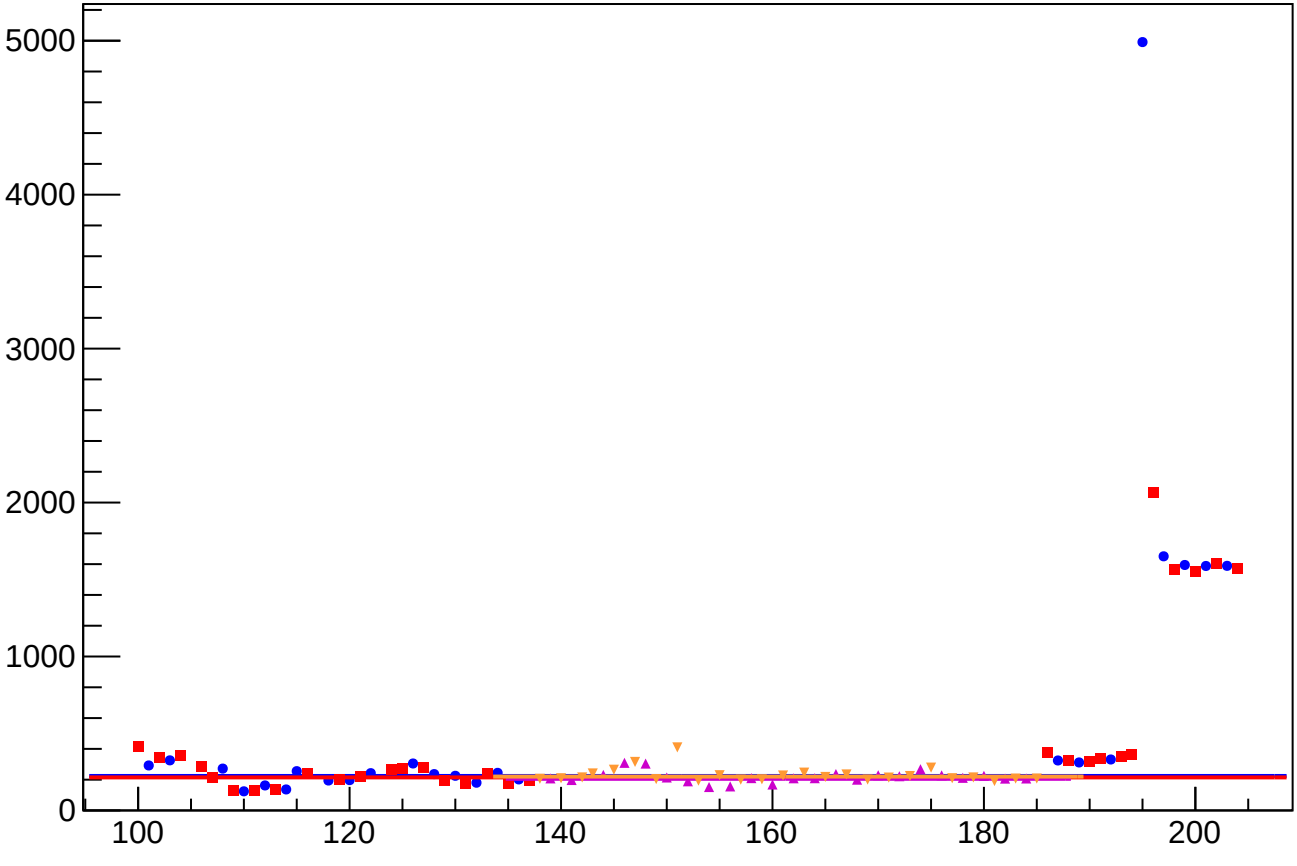
Right: -319.039+/-50.002 χ^2/NDF: 4144.6/53

In: 119.283+/-41.328 χ^2/NDF:2319.6/46

Out: 408.537+/-40.654 χ^2/NDF:5182.8/54

All: 266.289+/-28.982 χ^2/NDF: 7527.3/101

asym_bpm0l09WS_rms vs Slug, Sign Corrected



Right In: 224.002+/-0.053 χ^2/NDF: 7978264.1/23

Left Out: 220.145+/-0.036 χ^2/NDF:799699.4/24

Right Out: 214.708+/-0.047 χ^2/NDF: 8878063.3/29

Left In: 205.481+/-0.035 χ^2/NDF:1013965.4/22

Left: 212.582+/-0.025 χ^2/NDF: 1898571.5/47

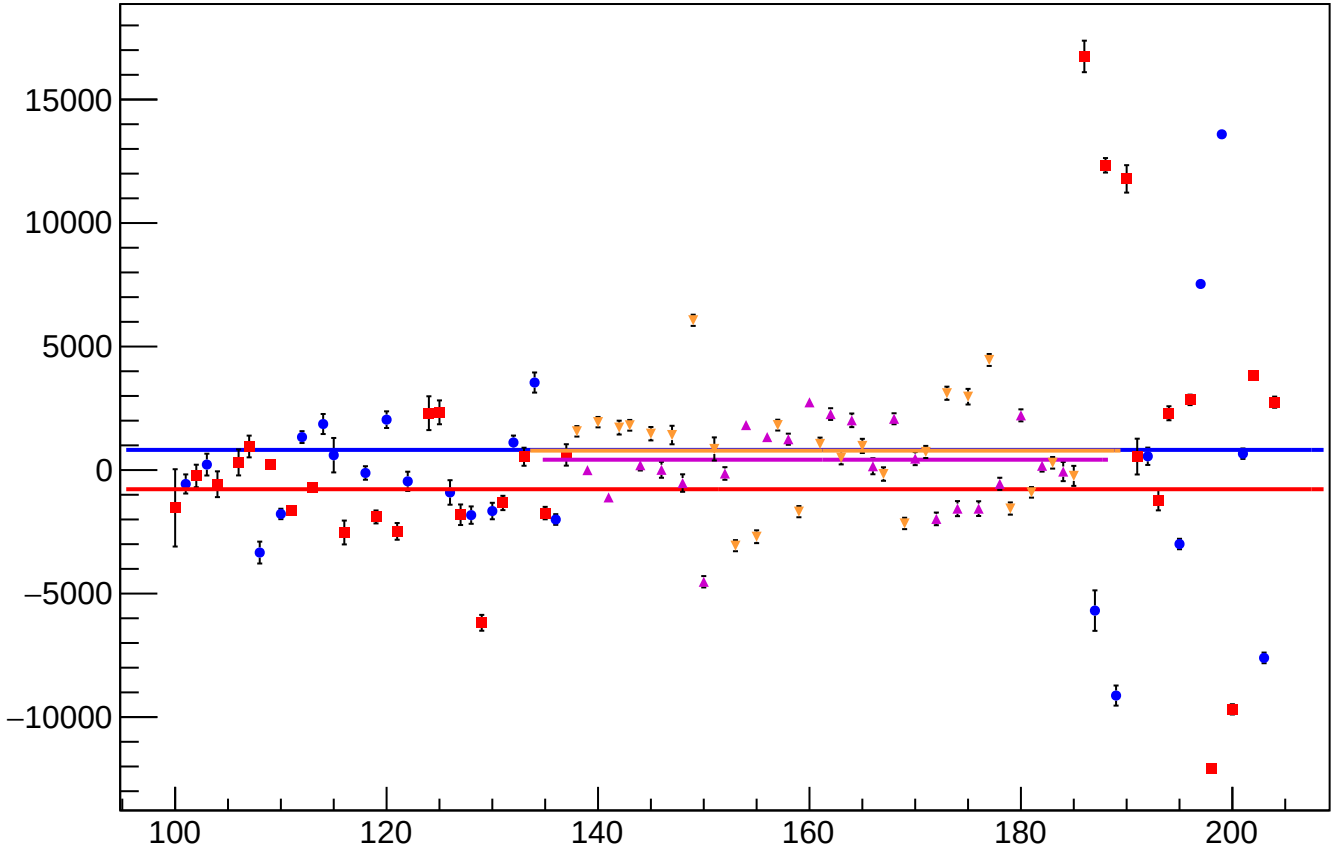
Right: 218.838+/-0.035 χ^2/NDF: 16873388.5/53

In: 211.104+/-0.029 χ^2/NDF:9077147.3/46

Out: 218.148+/-0.029 χ^2/NDF:9686074.9/54

All: 214.684+/-0.020 χ^2/NDF: 18792750.5/10

asym_bpm0l10WS_mean vs Slug, Sign Corrected



Right In: 816.441+/-58.752 χ^2/NDF: 8683.5/23

Left Out: 786.922+/-50.524 χ^2/NDF:1937.6/24

Right Out: -775.749+/-54.498 χ^2/NDF: 9896.7/29

Left In: 418.824+/-49.152 χ^2/NDF:1211.0/22

Left: 597.806+/-35.231 χ^2/NDF: 3175.8/47

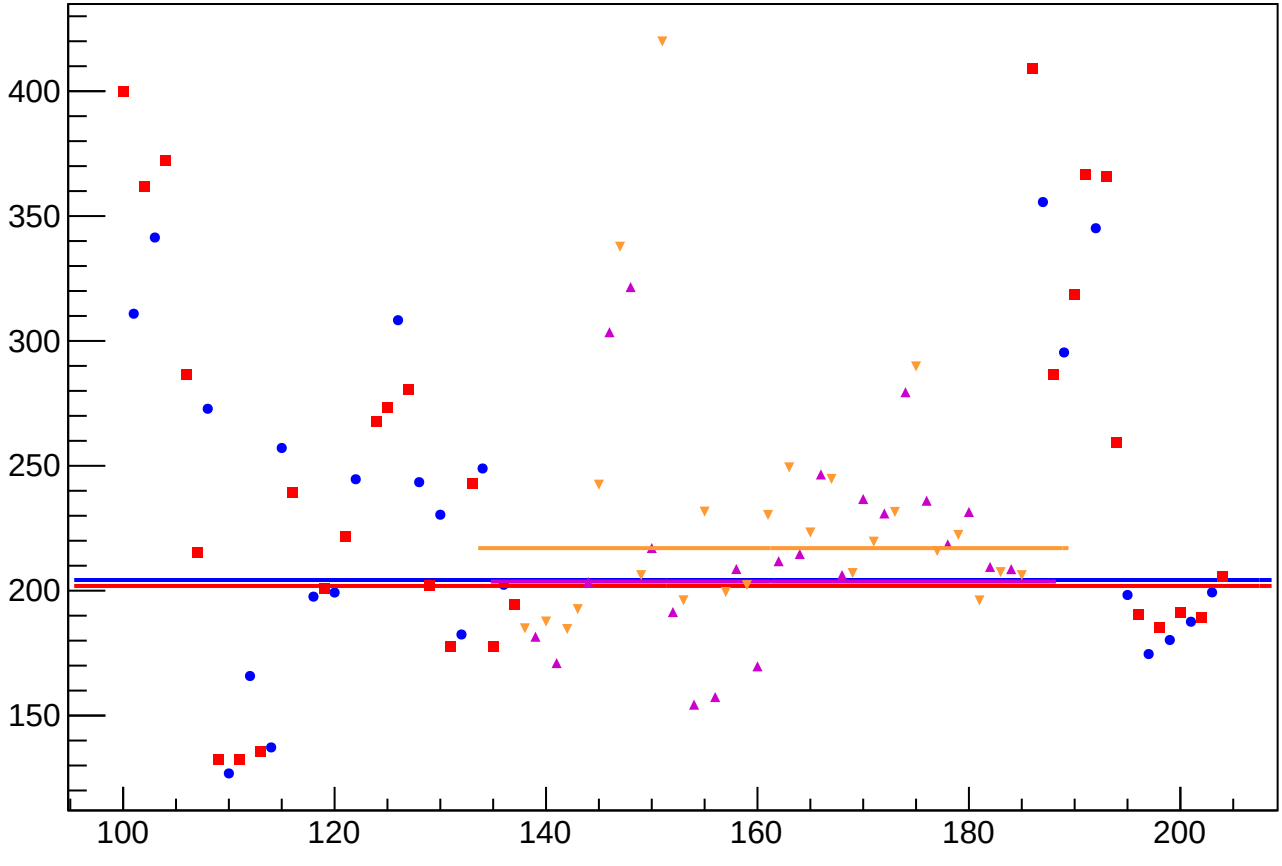
Right: -39.376+/-39.955 χ^2/NDF: 18975.0/53

In: 582.535+/-37.699 χ^2/NDF:9921.5/46

Out: 64.631+/-37.051 χ^2/NDF:12276.4/54

All: 319.096+/-26.425 χ^2/NDF: 22293.9/101

asym_bpm0l10WS_rms vs Slug, Sign Corrected



Right In: 204.274+/-0.042 χ^2/NDF: 1546493.9/23

Left Out: 217.040+/-0.036 χ^2/NDF:983170.6/24

Right Out: 201.896+/-0.039 χ^2/NDF: 2476762.9/29

Left In: 203.660+/-0.035 χ^2/NDF:1165334.8/22

Left: 210.166+/-0.025 χ^2/NDF: 2220567.5/47

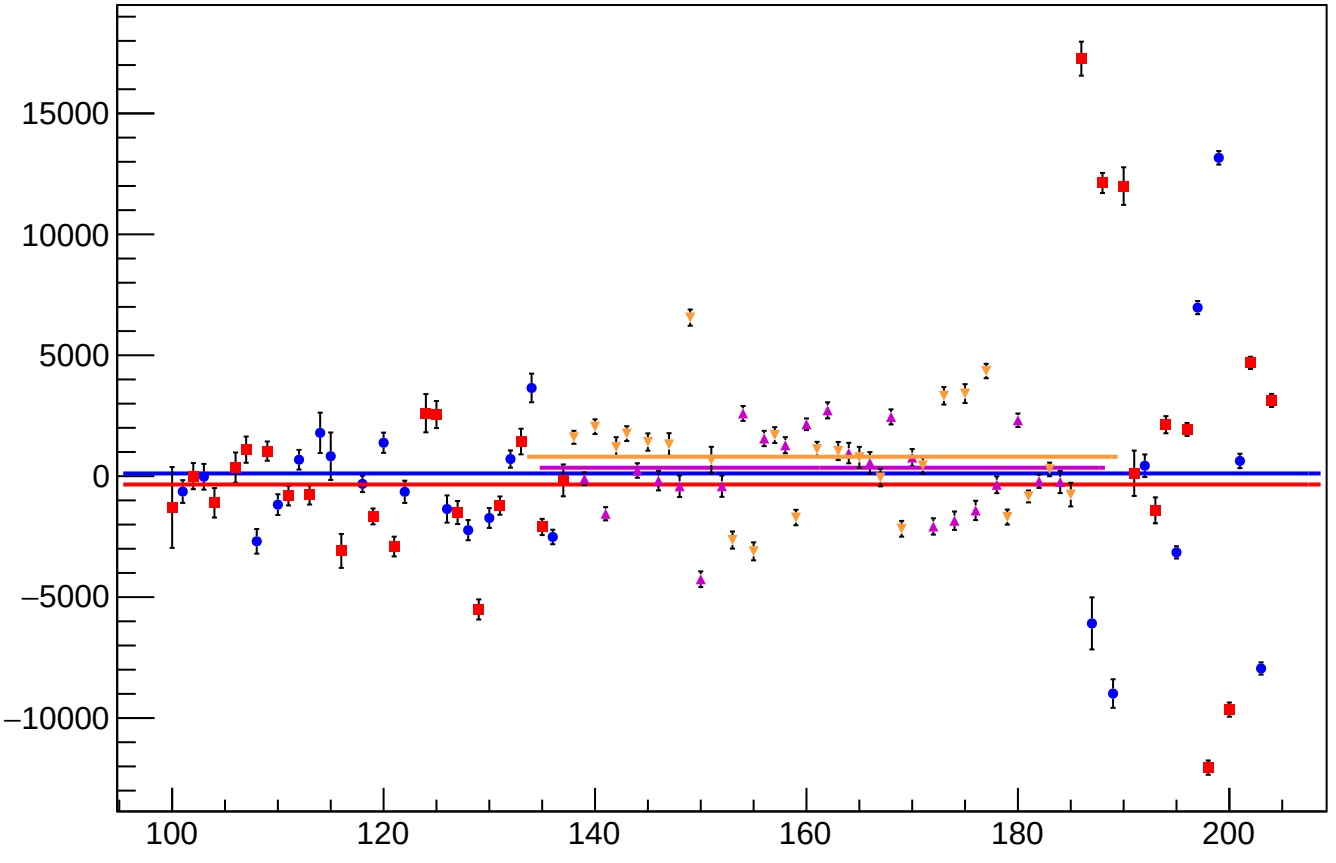
Right: 202.996+/-0.028 χ^2/NDF: 4025019.0/53

In: 203.913+/-0.027 χ^2/NDF:2711957.3/46

Out: 210.040+/-0.026 χ^2/NDF:3542991.9/54

All: 207.030+/-0.019 χ^2/NDF: 6281821.9/101

asym_bpm0r03WS_mean vs Slug, Sign Corrected



Right In: 114.071+/-79.330 χ^2/NDF: 4514.7/23

Left Out: 803.752+/-67.693 χ^2/NDF:1057.7/24

Right Out: -343.526+/-75.928 χ^2/NDF: 5367.9/29

Left In: 350.095+/-68.985 χ^2/NDF:656.1/22

Left: 581.210+/-48.316 χ^2/NDF: 1735.8/47

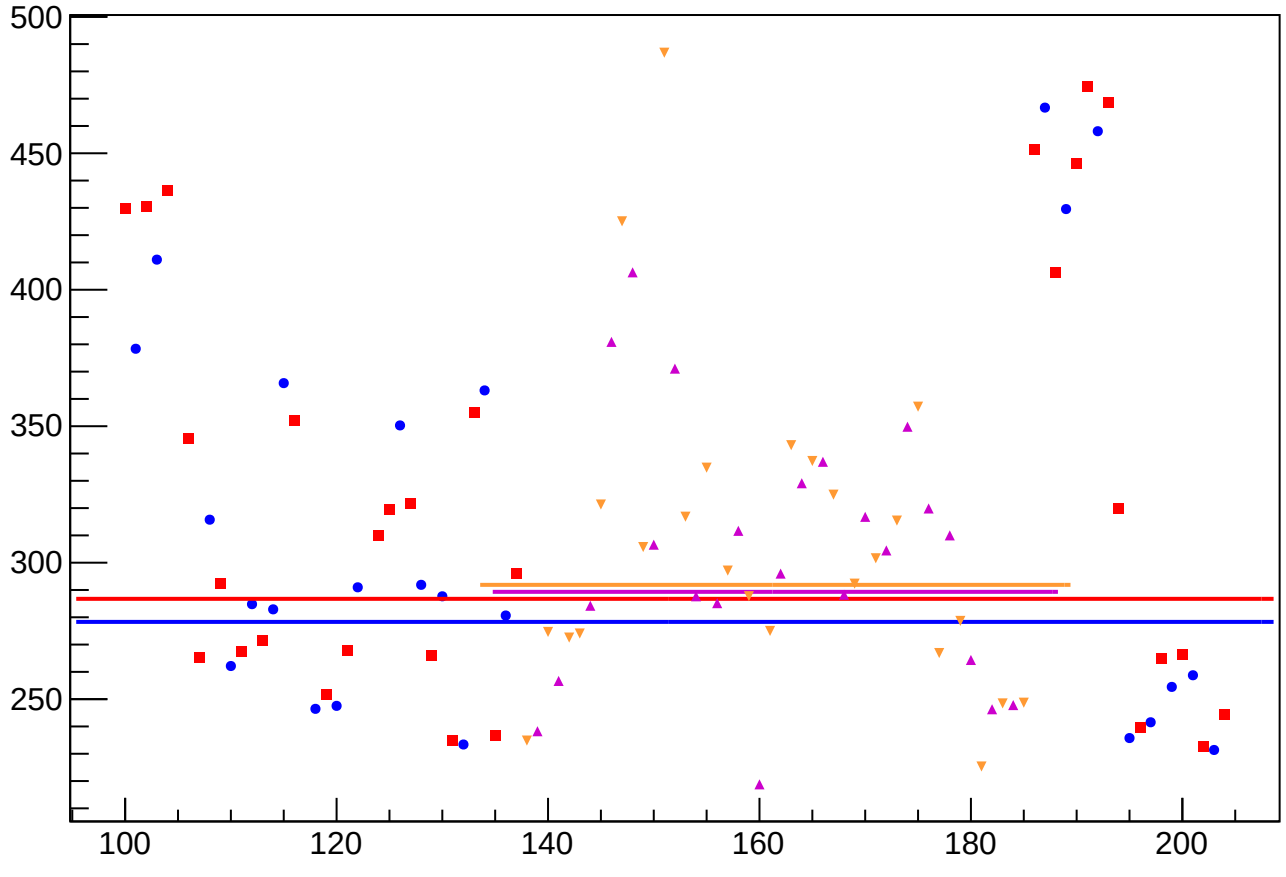
Right: -124.747+/-54.852 χ^2/NDF: 9899.9/53

In: 248.466+/-52.055 χ^2/NDF:5175.8/46

Out: 295.684+/-50.528 χ^2/NDF:6552.8/54

All: 272.778+/-36.257 χ^2/NDF: 11729.0/101

asym_bpm0r03WS_rms vs Slug, Sign Corrected



Right In: 278.310+/-0.056 χ^2/NDF: 1059992.9/23

Left Out: 291.882+/-0.048 χ^2/NDF:959919.3/24

Right Out: 286.758+/-0.054 χ^2/NDF: 1398110.2/29

Left In: 289.321+/-0.049 χ^2/NDF:808605.3/22

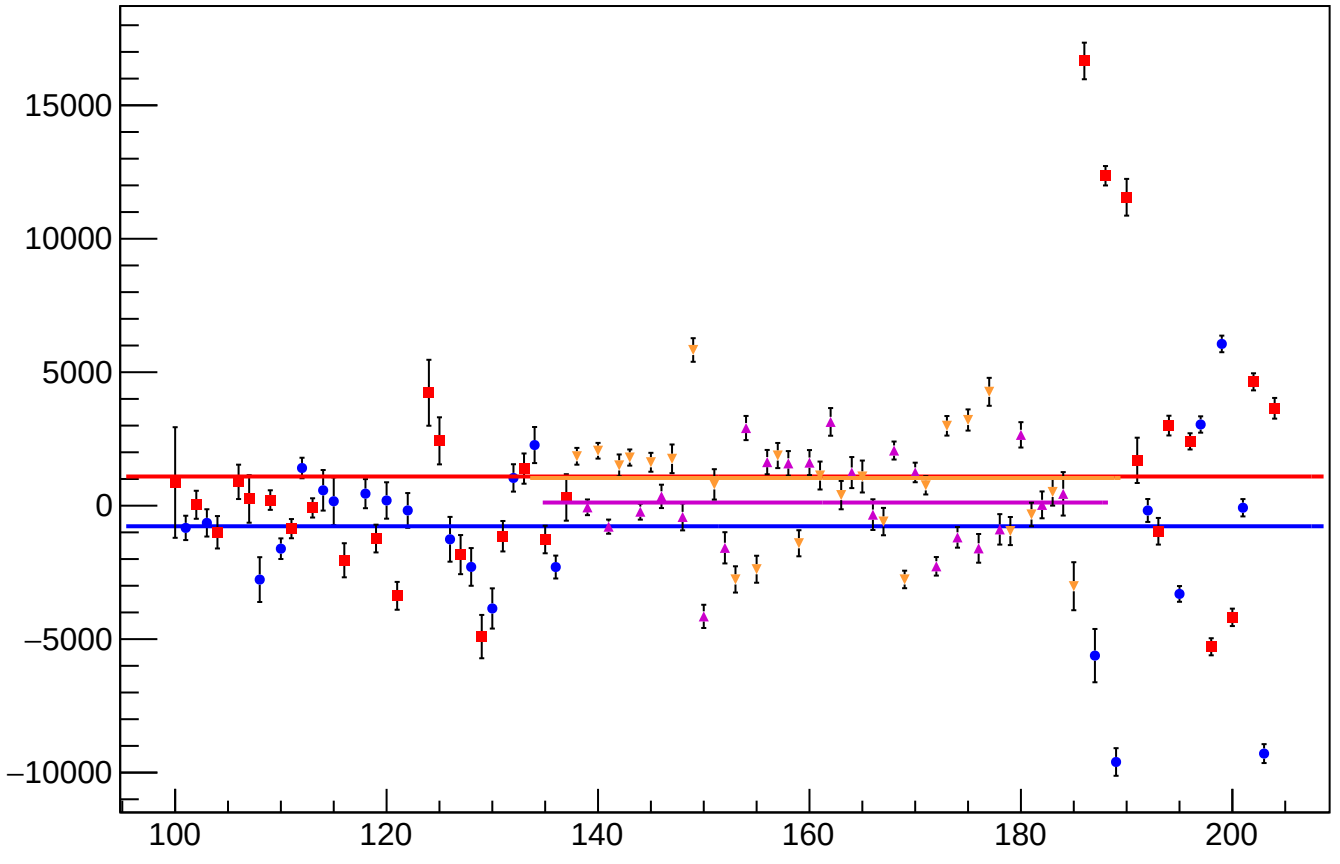
Left: 290.626+/-0.034 χ^2/NDF: 1769929.4/47

Right: 282.719+/-0.039 χ^2/NDF: 2469939.4/53

In: 284.580+/-0.037 χ^2/NDF:1890538.3/46

Out: 289.613+/-0.036 χ^2/NDF:2363105.7/54

All: 287.171+/-0.026 χ^2/NDF: 4263271.0/101



Right In: -771.458+/-94.869 χ^2/NDF: 1733.5/23

Left Out: 1037.330+/-85.200 χ^2/NDF:570.2/24

Right Out: 1092.968+/-87.564 χ^2/NDF: 2892.6/29

Left In: 117.211+/-87.461 χ^2/NDF:370.4/22

Left: 589.317+/-61.029 χ^2/NDF: 997.4/47

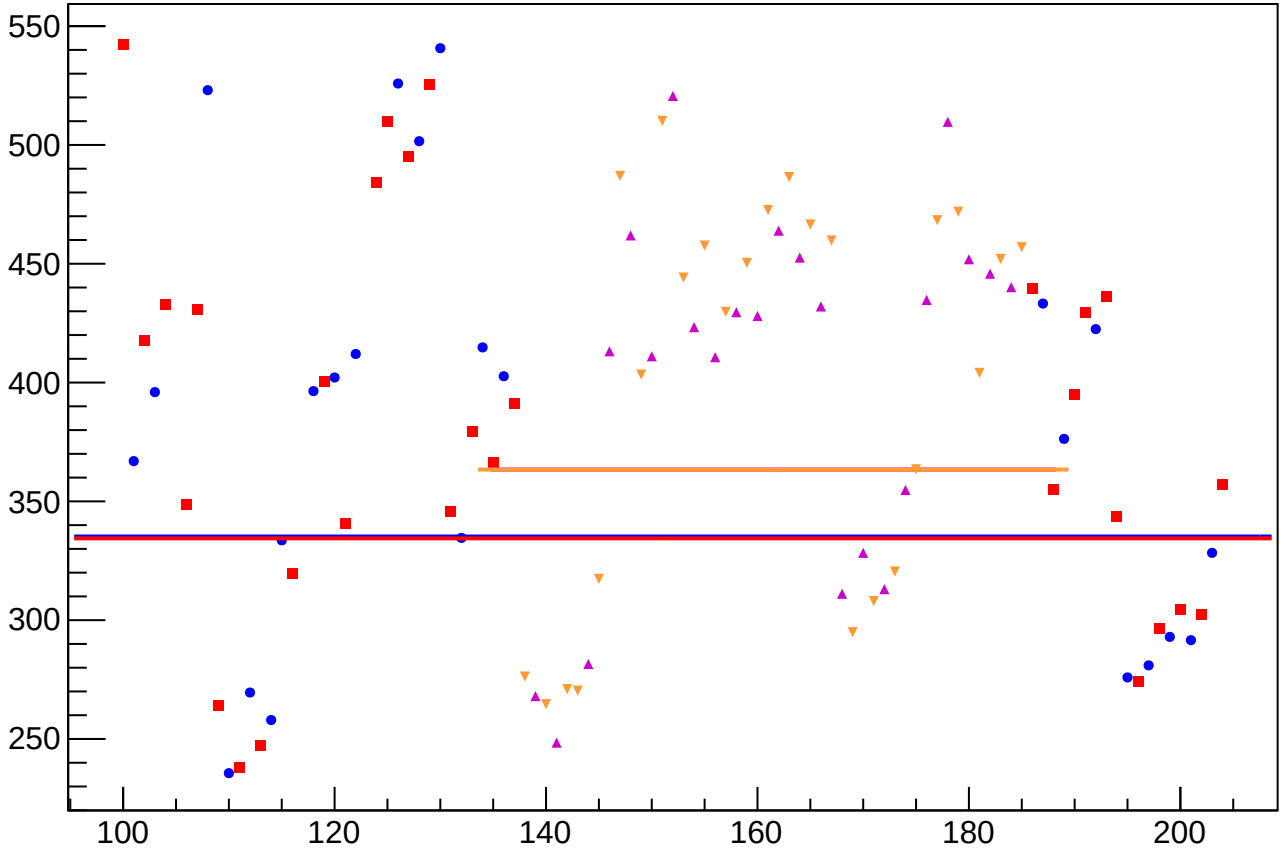
Right: 235.285+/-64.345 χ^2/NDF: 4834.6/53

In: -291.077+/-64.304 χ^2/NDF:2151.3/46

Out: 1064.388+/-61.064 χ^2/NDF:3463.0/54

All: 421.658+/-44.280 χ^2/NDF: 5847.9/101

asym_bpm0r05WS_rms vs Slug, Sign Corrected



Right In: 335.207+/-0.067 χ^2/NDF: 1194259.4/23

Left Out: 363.387+/-0.060 χ^2/NDF:1940497.4/24

Right Out: 334.434+/-0.062 χ^2/NDF: 1189054.6/29

Left In: 363.386+/-0.062 χ^2/NDF:1711599.2/22

Left: 363.387+/-0.043 χ^2/NDF: 3652096.5/47

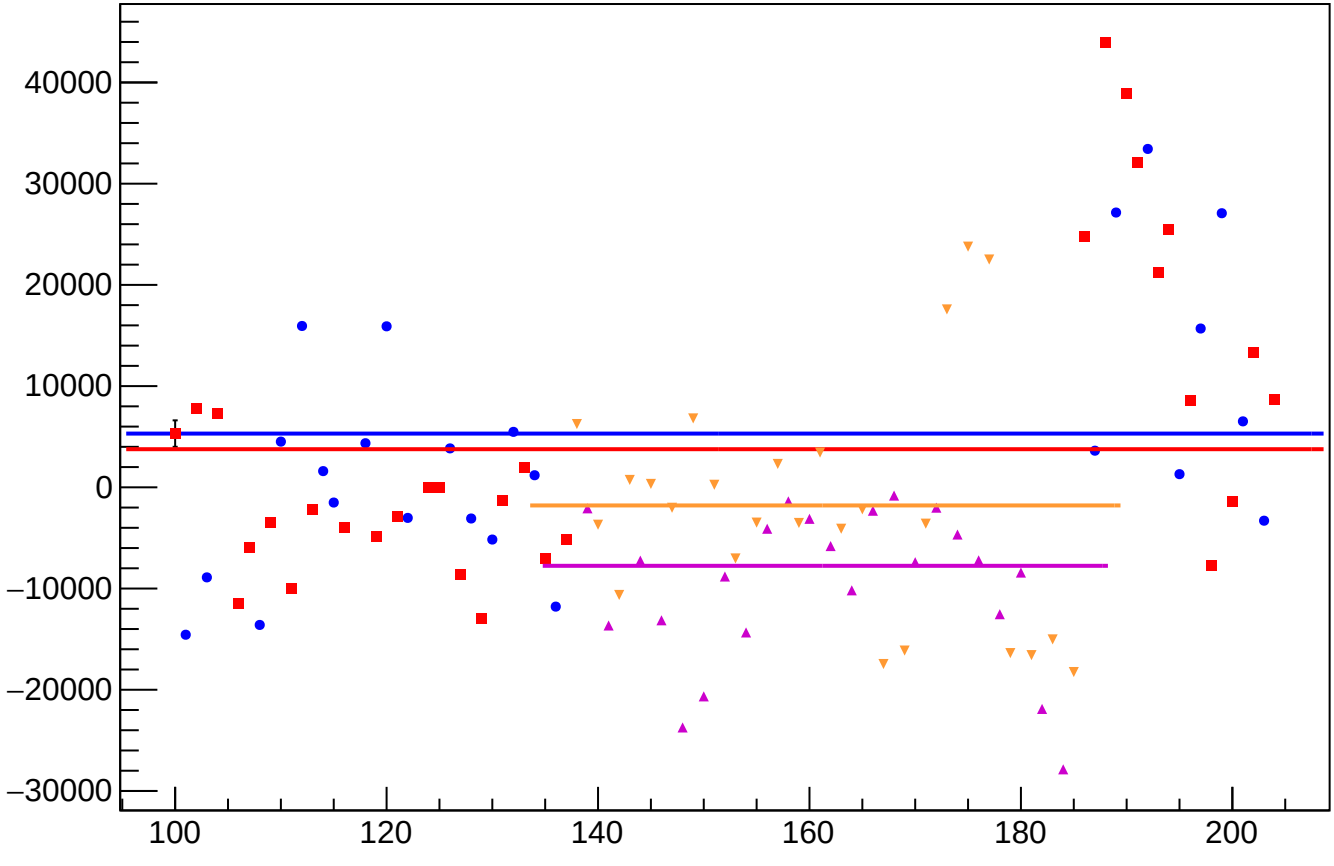
Right: 334.789+/-0.045 χ^2/NDF: 2383385.7/53

In: 350.440+/-0.045 χ^2/NDF:3001246.7/46

Out: 349.306+/-0.043 χ^2/NDF:3241874.2/54

All: 349.844+/-0.031 χ^2/NDF: 6243447.4/101

asym_bpm0i02WS_mean vs Slug, Sign Corrected



Right In: 5309.244+/-43.458 χ^2/NDF: 90036.9/23

Left Out: -1790.289+/-40.910 χ^2/NDF:65745.9/24

Right Out: 3766.635+/-40.412 χ^2/NDF: 136201.2/29

Left In: -7754.468+/-42.571 χ^2/NDF:23278.0/22

Left: -4653.749+/-29.498 χ^2/NDF: 99228.2/47

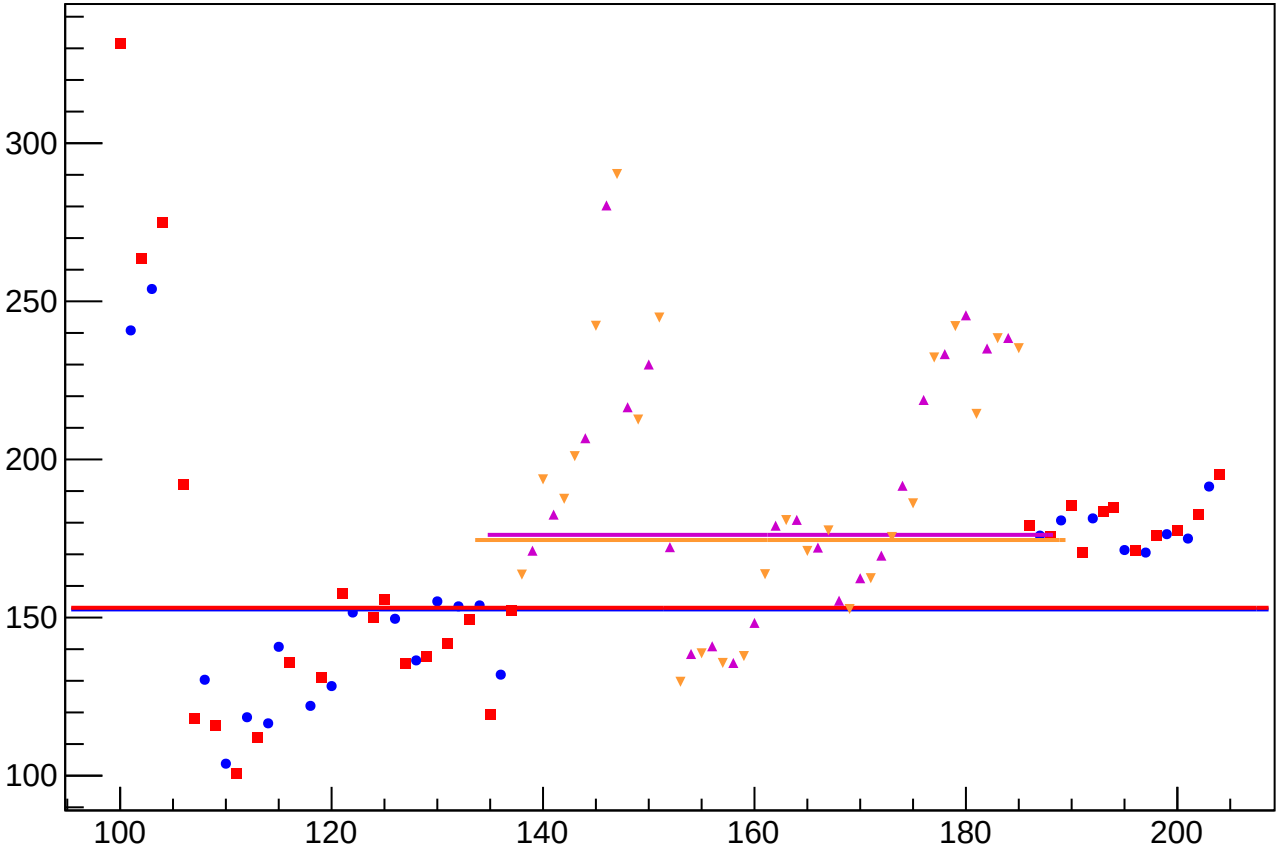
Right: 4481.976+/-29.594 χ^2/NDF: 226913.8/53

In: -1357.320+/-30.411 χ^2/NDF:159427.9/46

Out: 1022.226+/-28.750 χ^2/NDF:211285.4/54

All: -100.783+/-20.892 χ^2/NDF: 373946.3/10

asym_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 152.572+/-0.031 χ^2/NDF: 1040087.1/23

Left Out: 174.520+/-0.029 χ^2/NDF:1659469.6/24

Right Out: 153.095+/-0.029 χ^2/NDF: 1500984.3/29

Left In: 176.155+/-0.030 χ^2/NDF:1367059.2/22

Left: 175.305+/-0.021 χ^2/NDF: 3028060.8/47

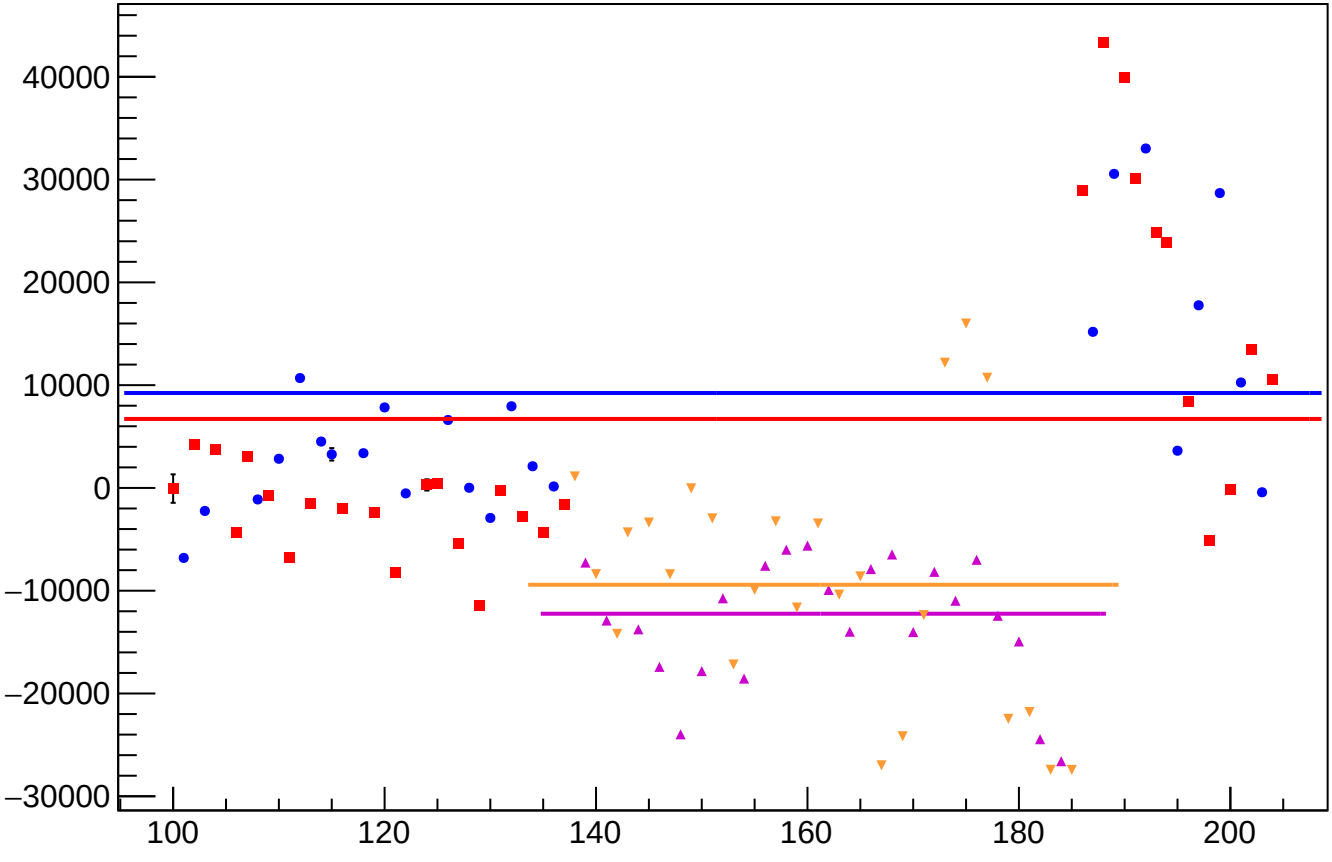
Right: 152.853+/-0.021 χ^2/NDF: 2541226.8/53

In: 164.607+/-0.022 χ^2/NDF:2707677.3/46

Out: 163.677+/-0.020 χ^2/NDF:3438089.4/54

All: 164.116+/-0.015 χ^2/NDF: 6146754.2/101

asym_bpm0i02aWS_mean vs Slug, Sign Corrected



Right In: 9238.247+/-49.805 χ^2/NDF: 50909.6/23

Left Out: -9420.181+/-45.698 χ^2/NDF:64719.0/24

Right Out: 6712.746+/-45.630 χ^2/NDF: 105331.2/29

Left In: -12238.678+/-44.195 χ^2/NDF:16015.8/22

Left: -10876.538+/-31.769 χ^2/NDF: 82700.4/47

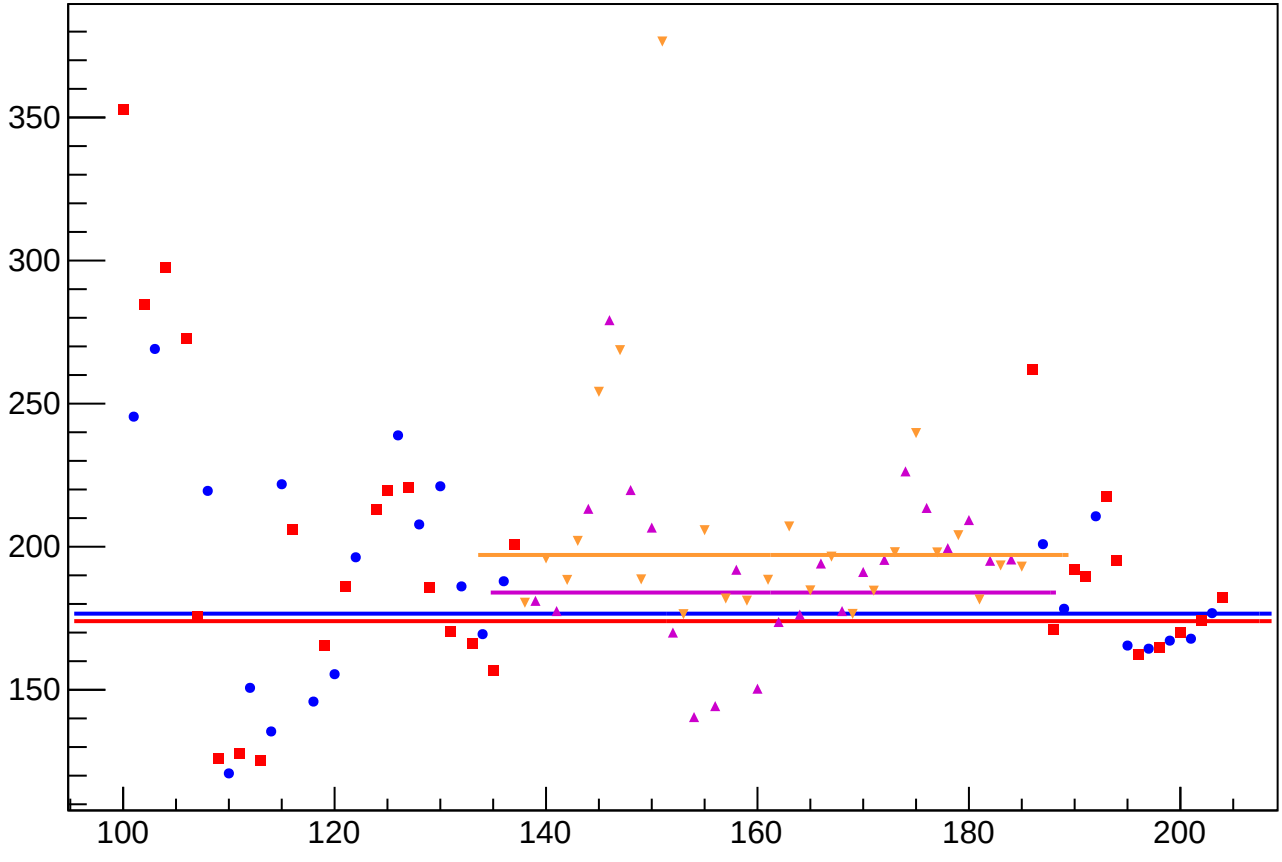
Right: 7865.228+/-33.645 χ^2/NDF: 157638.7/53

In: -2777.478+/-33.057 χ^2/NDF:170958.5/46

Out: -1341.790+/-32.289 χ^2/NDF:232459.0/54

All: -2042.773+/-23.099 χ^2/NDF: 404382.7/1

asym_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 176.611+/-0.035 χ^2/NDF: 759490.5/23

Left Out: 197.122+/-0.032 χ^2/NDF:732529.8/24

Right Out: 173.993+/-0.032 χ^2/NDF: 1197146.7/29

Left In: 183.985+/-0.031 χ^2/NDF:829778.1/22

Left: 190.334+/-0.022 χ^2/NDF: 1647711.2/47

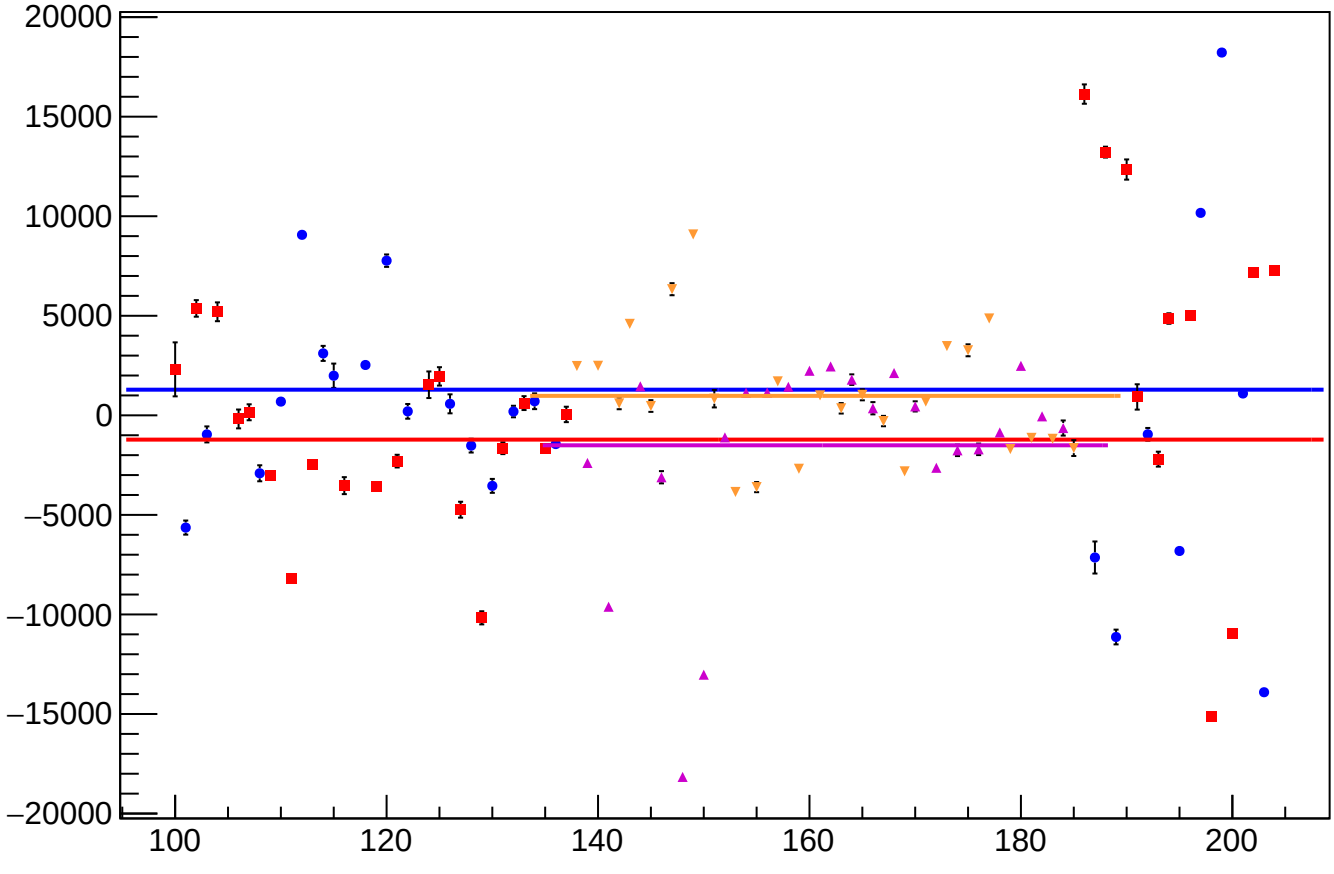
Right: 175.188+/-0.024 χ^2/NDF: 1959641.5/53

In: 180.737+/-0.023 χ^2/NDF:1613797.8/46

Out: 185.541+/-0.023 χ^2/NDF:2186222.7/54

All: 183.195+/-0.016 χ^2/NDF: 3821634.3/101

asym_bpm0i05WS_mean vs Slug, Sign Corrected



Right In: 1288.463+/-56.136 χ^2/NDF: 20335.8/23

Left Out: 978.429+/-49.607 χ^2/NDF:4322.9/24

Right Out: -1219.489+/-51.665 χ^2/NDF: 19713.1/29

Left In: -1505.093+/-48.051 χ^2/NDF:11480.6/22

Left: -302.894+/-34.514 χ^2/NDF: 17096.7/47

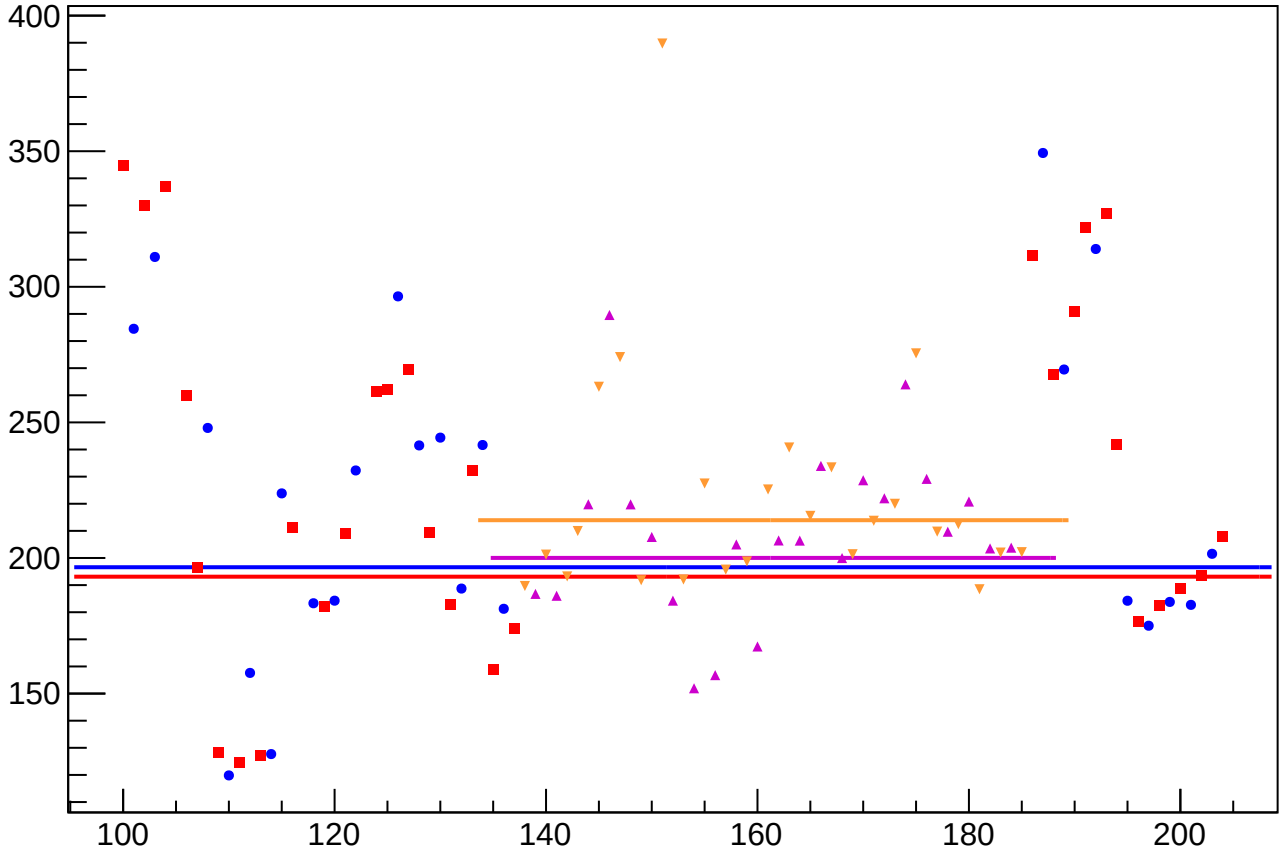
Right: -69.347+/-38.015 χ^2/NDF: 41129.5/53

In: -323.812+/-36.504 χ^2/NDF:33245.7/46

Out: -75.872+/-35.783 χ^2/NDF:24977.7/54

All: -197.369+/-25.553 χ^2/NDF: 58246.9/101

asym_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 196.592+/-0.040 χ^2/NDF: 1440137.9/23

Left Out: 213.931+/-0.035 χ^2/NDF:733638.6/24

Right Out: 193.106+/-0.037 χ^2/NDF: 2243149.1/29

Left In: 200.031+/-0.034 χ^2/NDF:785525.4/22

Left: 206.759+/-0.024 χ^2/NDF: 1600185.7/47

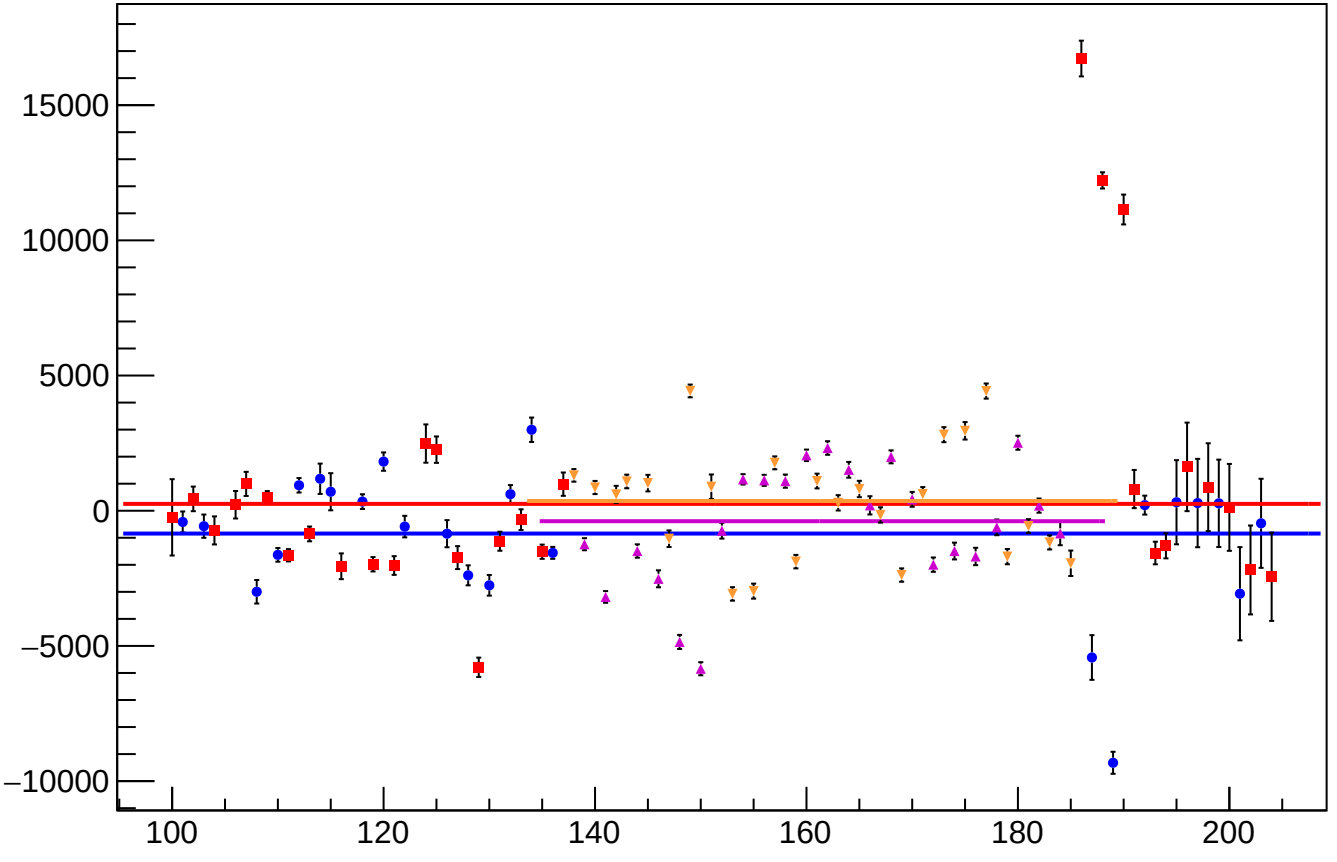
Right: 194.705+/-0.027 χ^2/NDF: 3687463.5/53

In: 198.577+/-0.026 χ^2/NDF:2229994.1/46

Out: 203.942+/-0.025 χ^2/NDF:3145866.1/54

All: 201.313+/-0.018 χ^2/NDF: 5397891.2/101

asym_bpm0i07WS_mean vs Slug, Sign Corrected



Right In: -843.965+/-81.486 χ^2/NDF: 799.5/23

Left Out: 358.680+/-54.992 χ^2/NDF:1418.9/24

Right Out: 253.715+/-73.797 χ^2/NDF: 3273.9/29

Left In: -386.941+/-53.528 χ^2/NDF:1804.2/22

Left: -24.183+/-38.357 χ^2/NDF: 3317.4/47

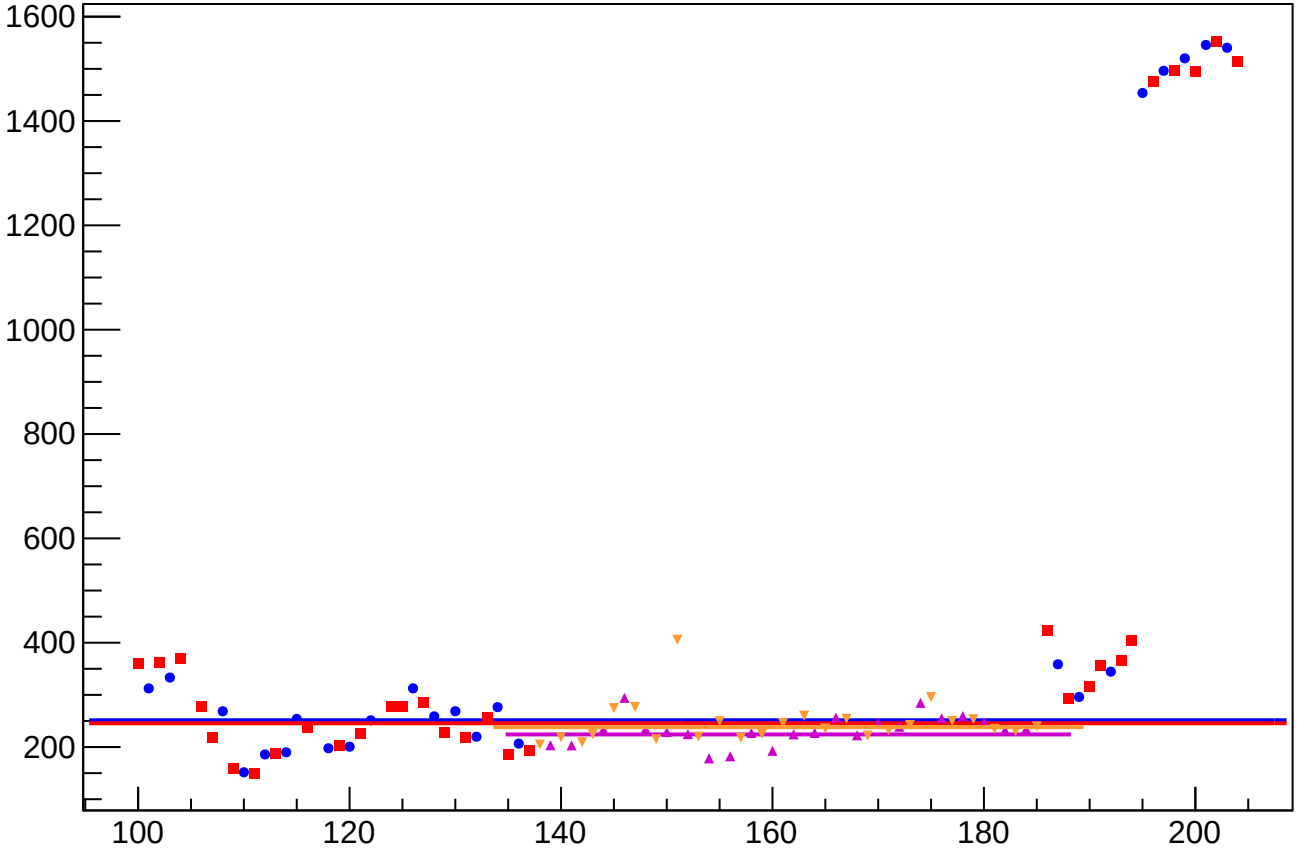
Right: -240.909+/-54.699 χ^2/NDF: 4173.0/53

In: -524.708+/-44.739 χ^2/NDF:2625.6/46

Out: 321.205+/-44.095 χ^2/NDF:4694.0/54

All: -95.624+/-31.405 χ^2/NDF: 7501.0/101

asym_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 251.328+/-0.058 χ^2/NDF: 6981863.3/23

Left Out: 238.199+/-0.039 χ^2/NDF:567935.3/24

Right Out: 245.632+/-0.052 χ^2/NDF: 7960482.4/29

Left In: 224.212+/-0.038 χ^2/NDF:563231.1/22

Left: 231.017+/-0.027 χ^2/NDF: 1197606.4/47

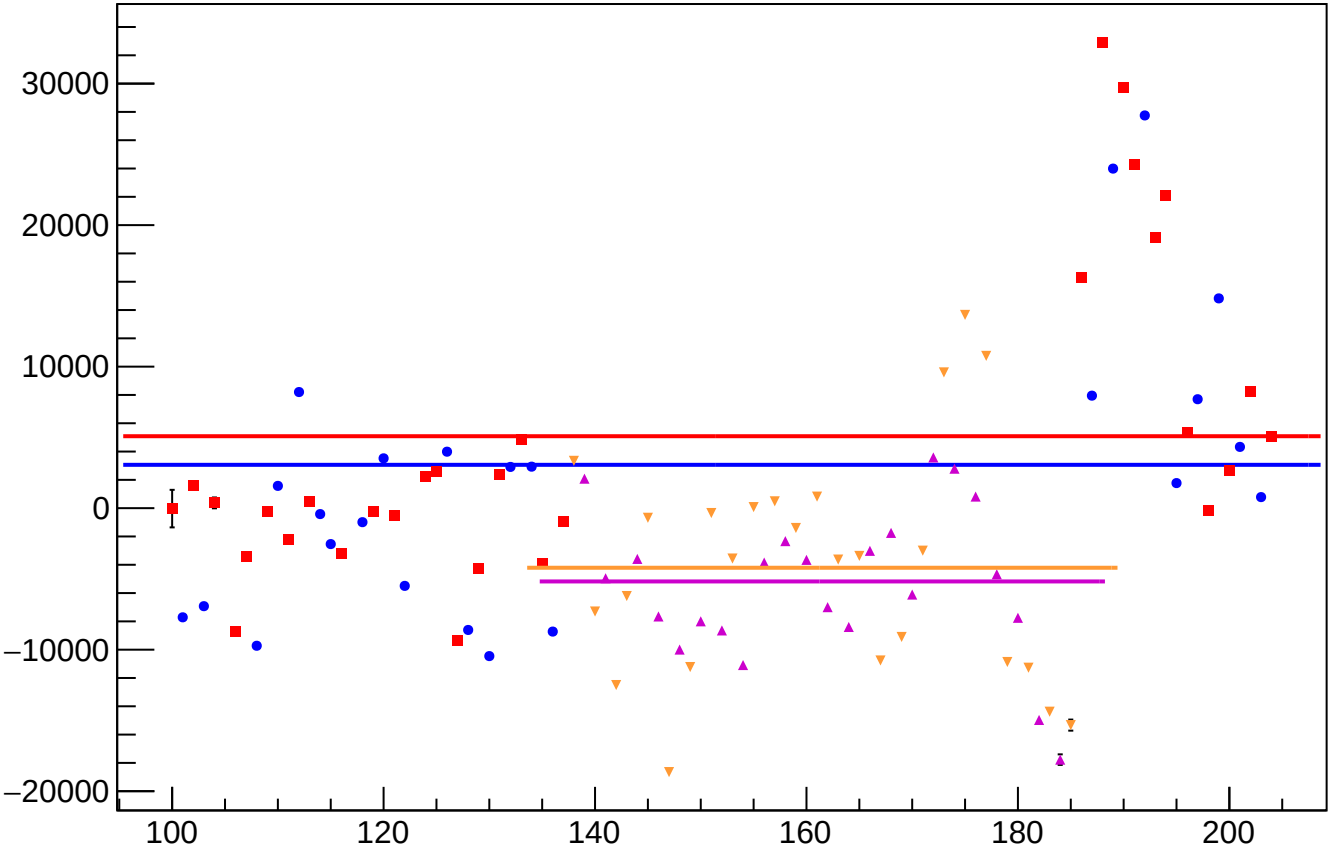
Right: 248.199+/-0.039 χ^2/NDF: 14947714.7/53

In: 232.386+/-0.032 χ^2/NDF:7699809.9/46

Out: 240.853+/-0.031 χ^2/NDF:8541463.9/54

All: 236.681+/-0.022 χ^2/NDF: 16277610.4/10

asym_bpm1i02WS_mean vs Slug, Sign Corrected



Right In: 3062.327+/-36.883 χ^2/NDF: 75849.4/23

Left Out: -4210.601+/-30.828 χ^2/NDF:56802.7/24

Right Out: 5083.887+/-34.063 χ^2/NDF: 102886.4/29

Left In: -5178.213+/-31.969 χ^2/NDF:18541.3/22

Left: -4676.831+/-22.191 χ^2/NDF: 75818.6/47

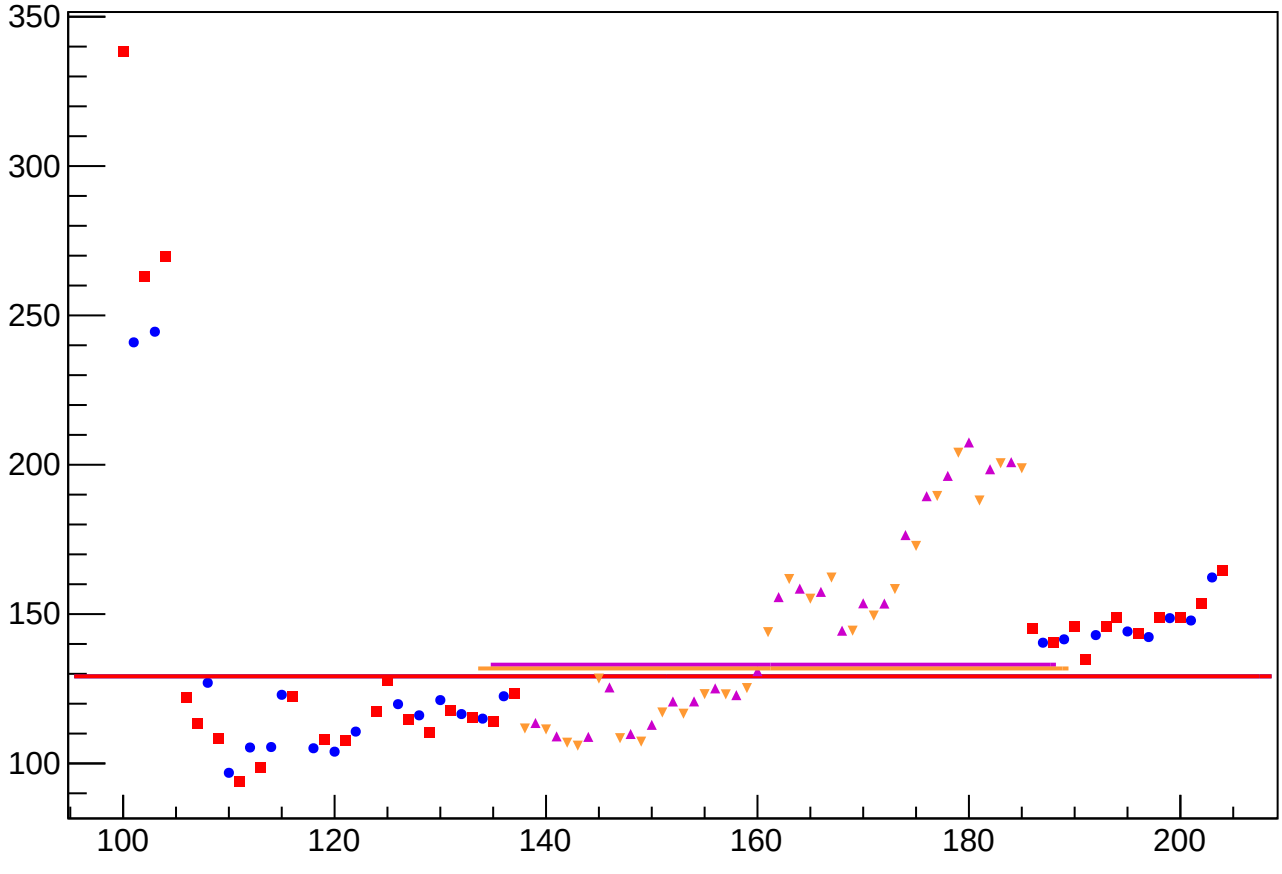
Right: 4153.347+/-25.024 χ^2/NDF: 180357.1/53

In: -1643.082+/-24.158 χ^2/NDF:122893.9/46

Out: -25.498+/-22.857 χ^2/NDF:200618.2/54

All: -789.578+/-16.603 χ^2/NDF: 325877.9/10

asym_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 129.161+/-0.026 χ^2/NDF: 1027670.8/23

Left Out: 131.798+/-0.022 χ^2/NDF:1544340.3/24

Right Out: 129.166+/-0.024 χ^2/NDF: 1330943.5/29

Left In: 133.061+/-0.023 χ^2/NDF:1418252.2/22

Left: 132.406+/-0.016 χ^2/NDF: 2964211.9/47

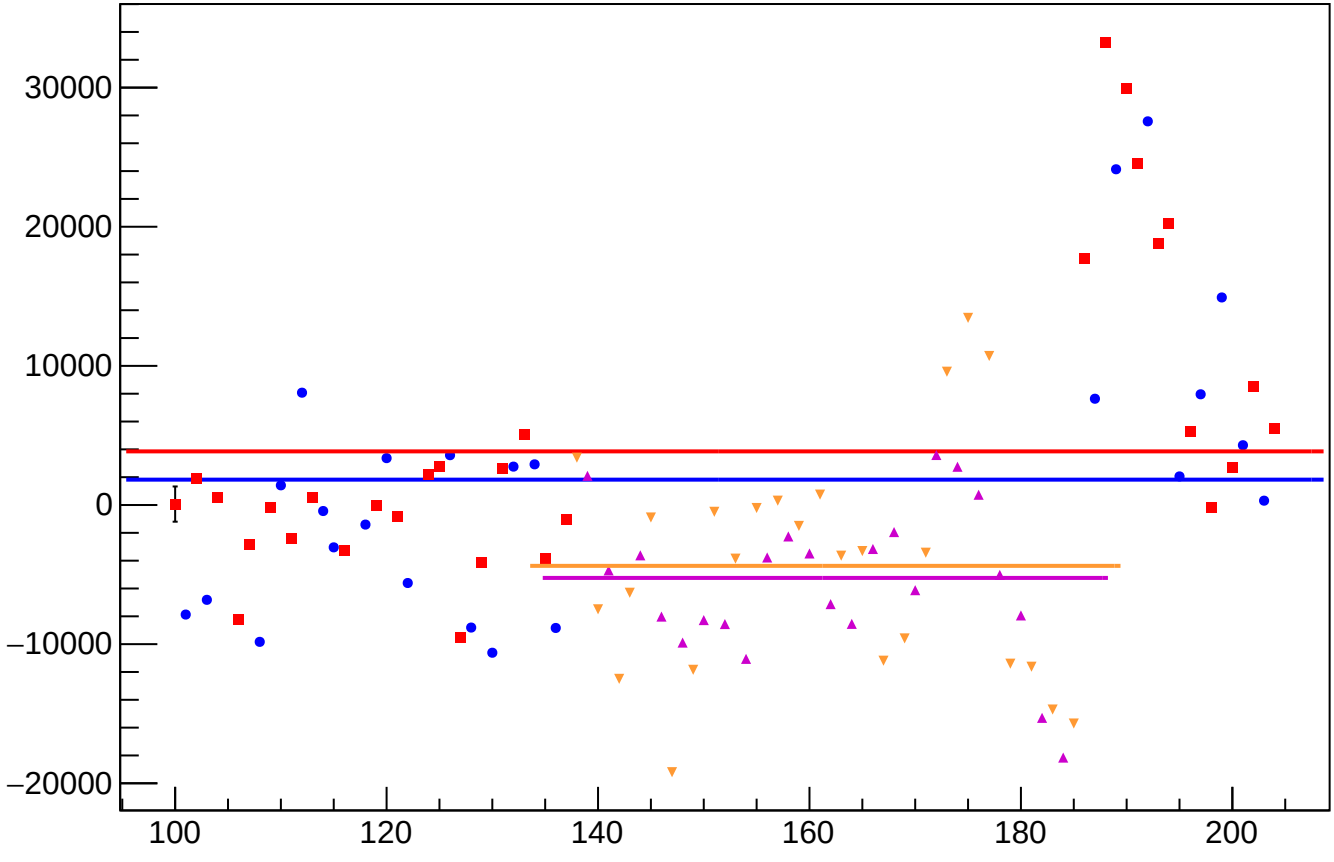
Right: 129.164+/-0.018 χ^2/NDF: 2358614.3/53

In: 131.388+/-0.017 χ^2/NDF:2458695.2/46

Out: 130.613+/-0.016 χ^2/NDF:2881844.0/54

All: 130.979+/-0.012 χ^2/NDF: 5341625.7/101

asym_bpm1i04WS_mean vs Slug, Sign Corrected



Right In: 1823.067+/-33.004 χ^2/NDF: 82842.5/23

Left Out: -4372.743+/-27.955 χ^2/NDF:67218.5/24

Right Out: 3855.078+/-30.713 χ^2/NDF: 110718.9/29

Left In: -5239.784+/-29.252 χ^2/NDF:22273.2/22

Left: -4786.626+/-20.210 χ^2/NDF: 89950.9/47

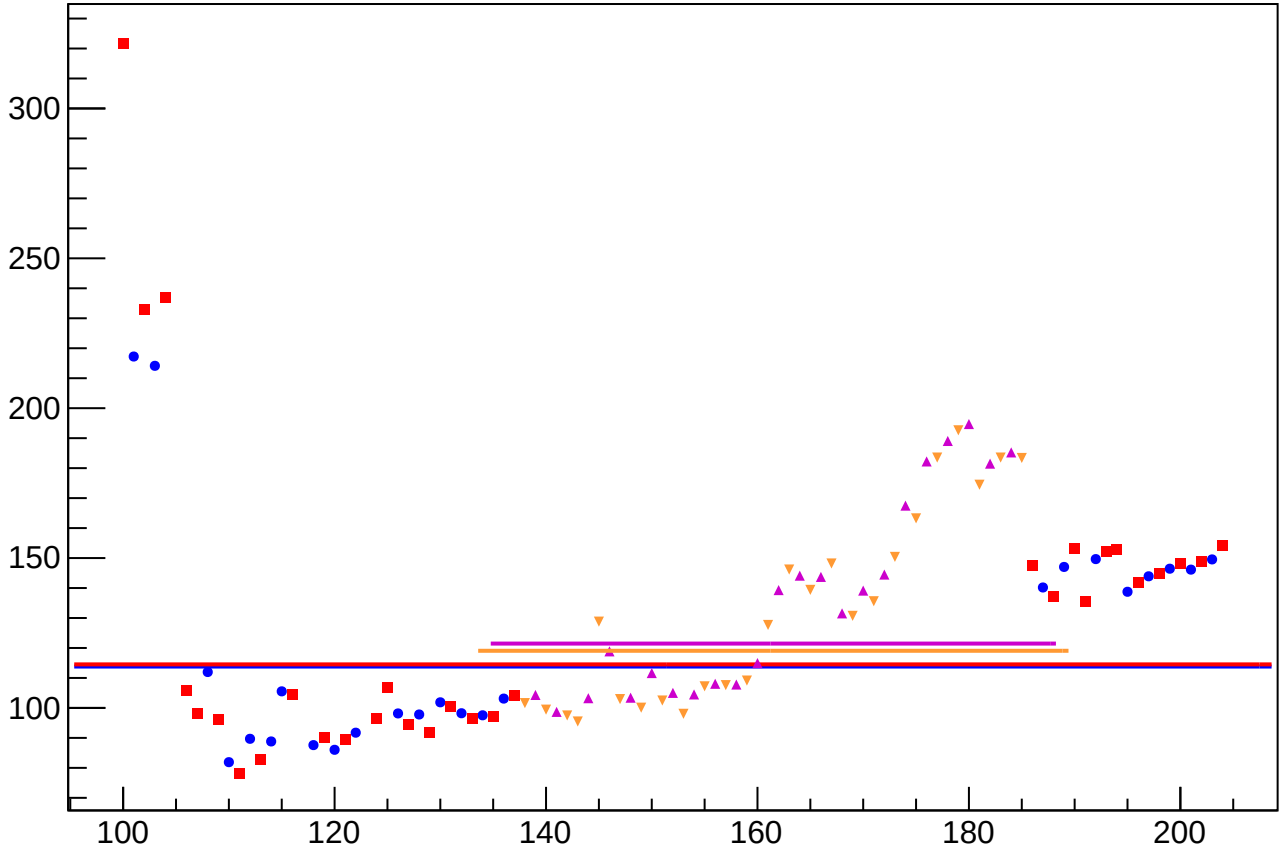
Right: 2912.061+/-22.484 χ^2/NDF: 195592.8/53

In: -2132.565+/-21.891 χ^2/NDF:130763.6/46

Out: -644.703+/-20.674 χ^2/NDF:217187.3/54

All: -1346.112+/-15.030 χ^2/NDF: 350392.6/1

asym_bpm1i04WS_rms vs Slug, Sign Corrected



Right In: 113.806+/-0.023 χ^2/NDF: 1634998.0/23

Left Out: 119.064+/-0.020 χ^2/NDF:1755428.3/24

Right Out: 114.527+/-0.022 χ^2/NDF: 2123991.4/29

Left In: 121.468+/-0.021 χ^2/NDF:1529379.8/22

Left: 120.212+/-0.014 χ^2/NDF: 3291866.1/47

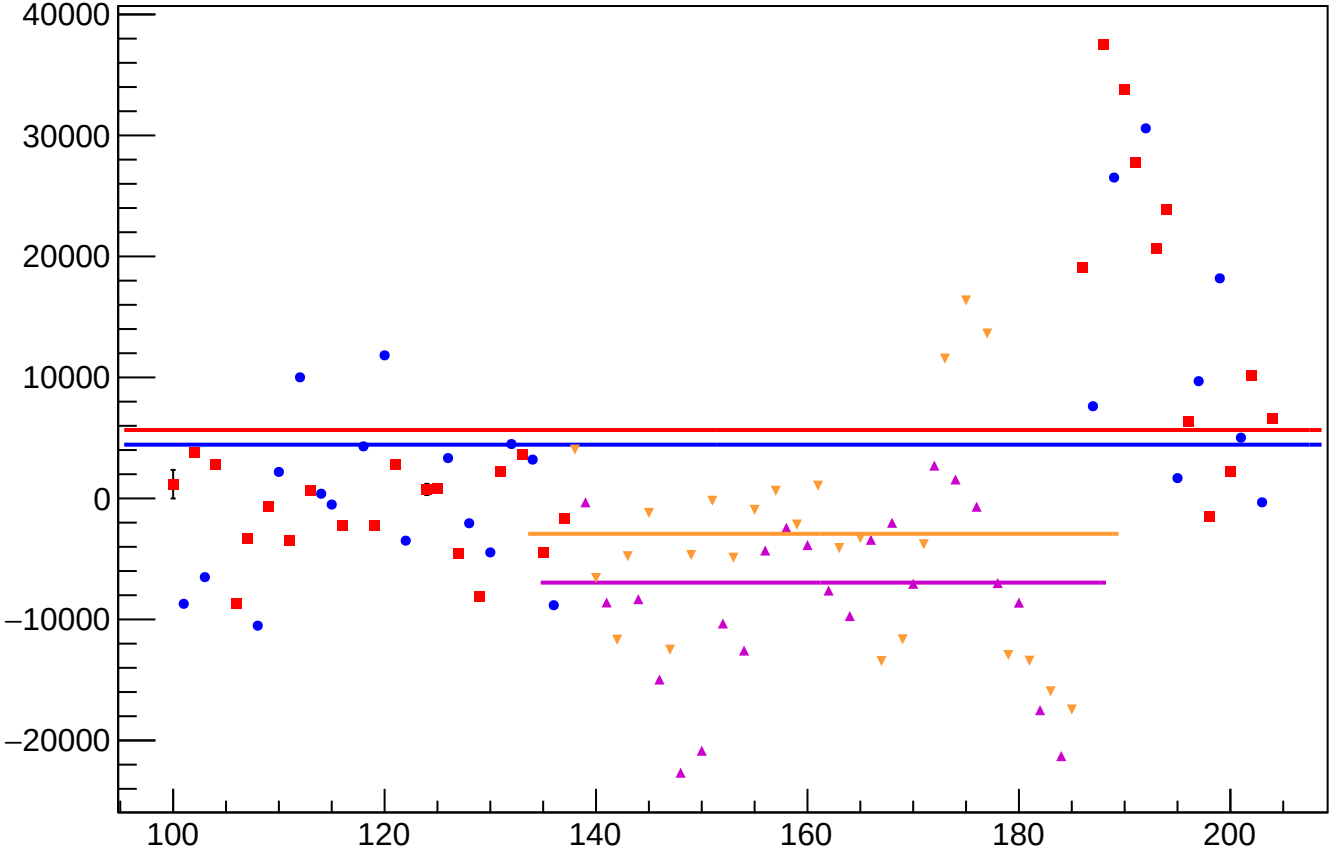
Right: 114.192+/-0.016 χ^2/NDF: 3759500.9/53

In: 118.097+/-0.015 χ^2/NDF:3224742.2/46

Out: 117.008+/-0.015 χ^2/NDF:3903290.3/54

All: 117.522+/-0.011 χ^2/NDF: 7130647.3/101

asym_bpm1i06WS_mean vs Slug, Sign Corrected



Right In: 4442.442+/-43.389 χ^2/NDF: 60916.8/23

Left Out: -2923.060+/-38.185 χ^2/NDF:38052.4/24

Right Out: 5654.318+/-40.416 χ^2/NDF: 92459.6/29

Left In: -6956.884+/-40.245 χ^2/NDF:22339.0/22

Left: -4834.088+/-27.700 χ^2/NDF: 65678.3/47

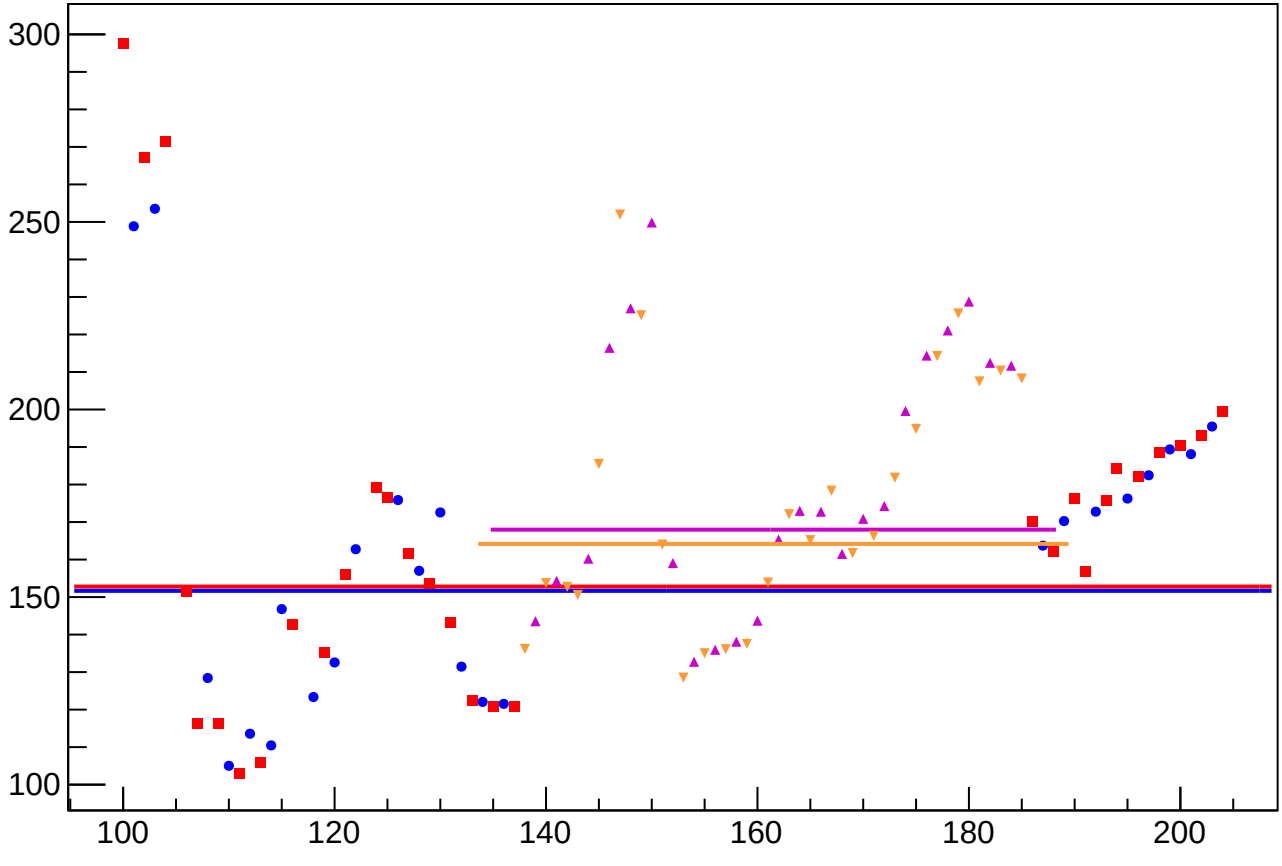
Right: 5091.307+/-29.574 χ^2/NDF: 153794.1/53

In: -1685.082+/-29.506 χ^2/NDF:120359.2/46

Out: 1122.322+/-27.756 χ^2/NDF:154309.5/54

All: -195.654+/-20.217 χ^2/NDF: 279471.5/10

asym_bpm1i06WS_rms vs Slug, Sign Corrected



Right In: 151.661+/-0.031 χ^2/NDF: 1304624.7/23

Left Out: 164.172+/-0.027 χ^2/NDF:1224405.6/24

Right Out: 152.804+/-0.029 χ^2/NDF: 1614577.2/29

Left In: 167.975+/-0.028 χ^2/NDF:1222745.4/22

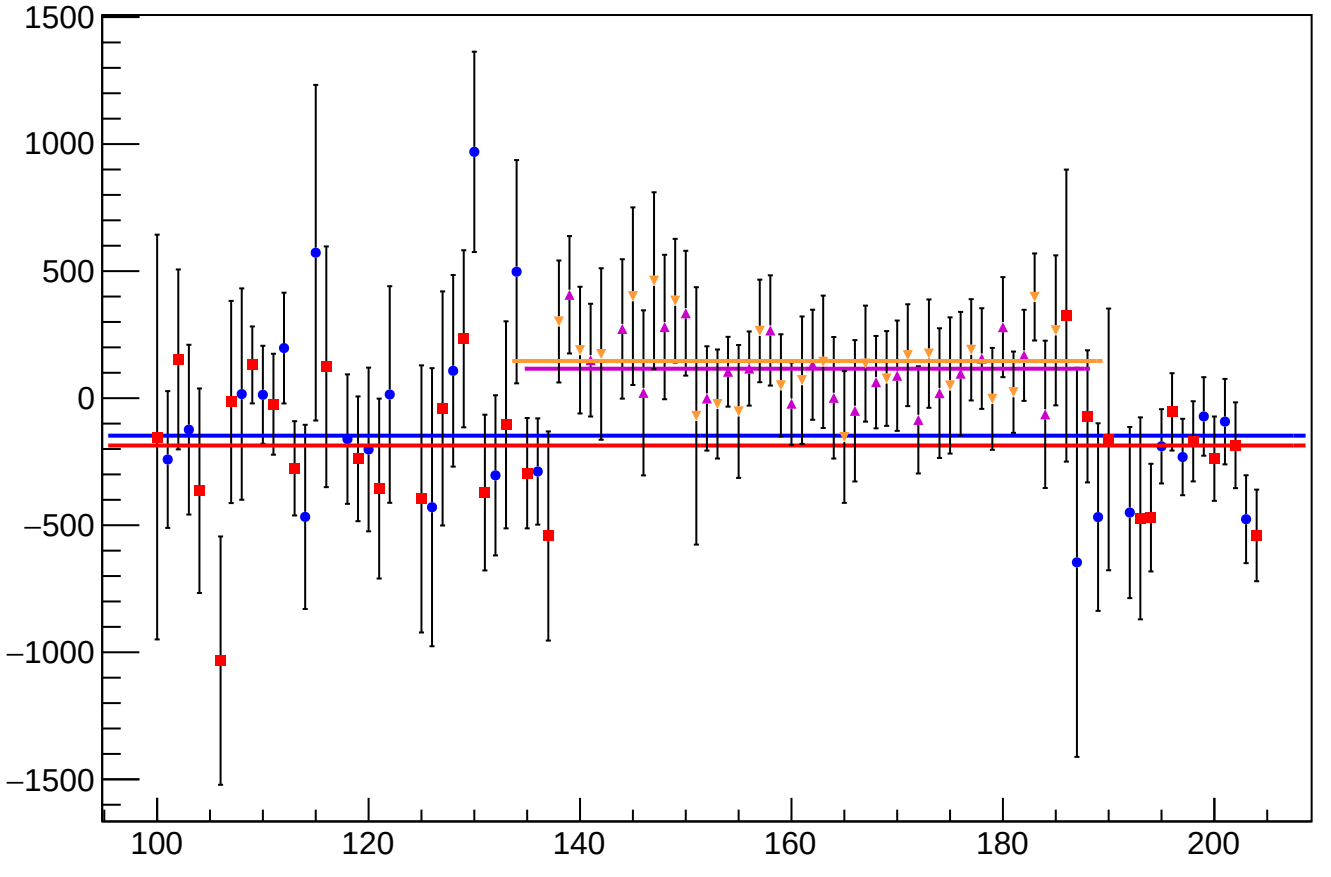
Left: 165.974+/-0.020 χ^2/NDF: 2456548.5/47

Right: 152.273+/-0.021 χ^2/NDF: 2919944.8/53

In: 160.430+/-0.021 χ^2/NDF:2679362.9/46

Out: 158.810+/-0.020 χ^2/NDF:2922595.4/54

All: 159.571+/-0.014 χ^2/NDF: 5605156.3/101



Right In: -147.523+/-50.545 χ^2/NDF: 23.6/23

Left Out: 146.352+/-46.929 χ^2/NDF:10.0/23

Right Out: -186.204+/-47.176 χ^2/NDF: 21.4/27

Left In: 115.974+/-43.605 χ^2/NDF:7.6/22

Left: 130.049+/-31.944 χ^2/NDF: 17.8/46

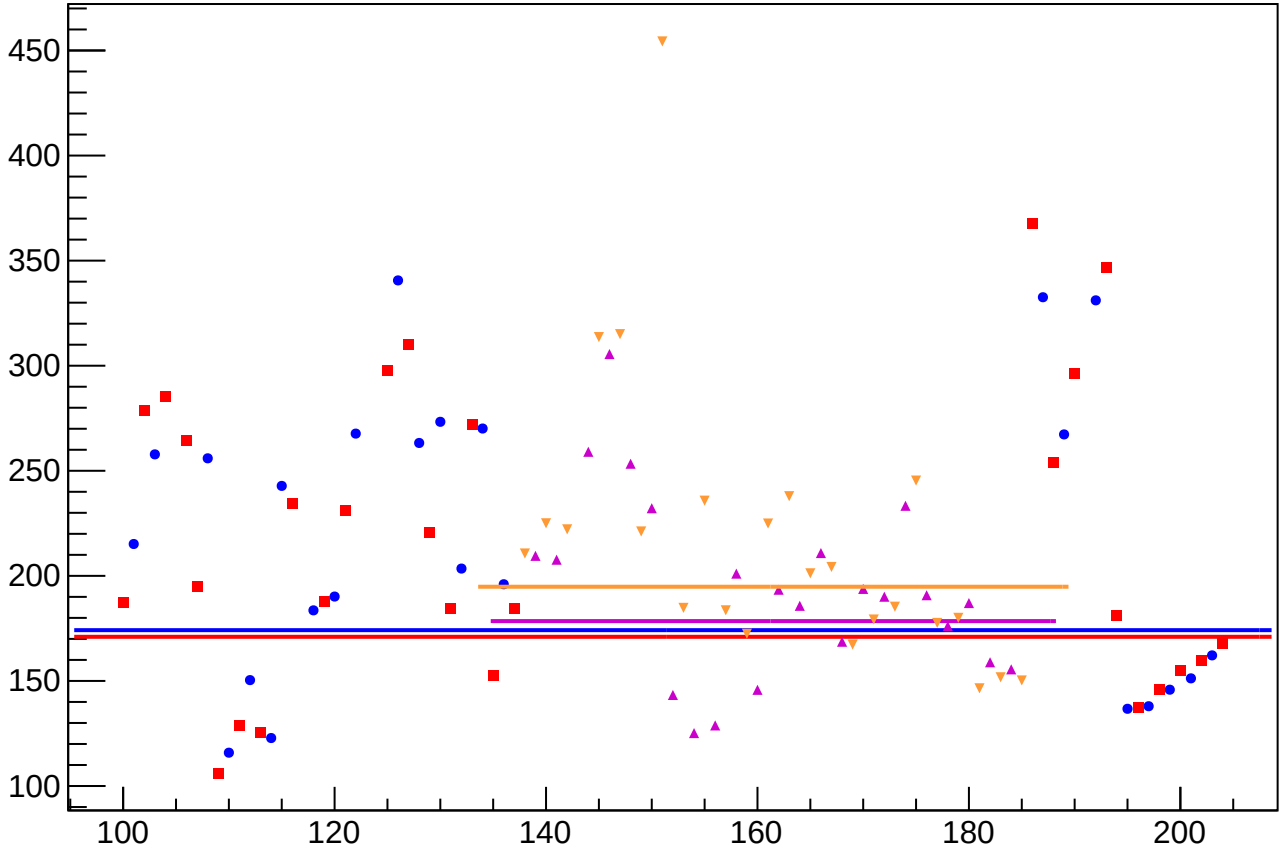
Right: -168.195+/-34.488 χ^2/NDF: 45.3/51

In: 3.544+/-33.016 χ^2/NDF:46.8/46

Out: -19.054+/-33.271 χ^2/NDF:56.4/51

All: -7.668+/-23.435 χ^2/NDF: 103.4/98

asym_bcm_2an_us_an_ds_avg_rms vs Slug, Sign Corrected



Right In: 174.160+/-0.036 χ^2/NDF: 2187496.3/23

Left Out: 194.828+/-0.033 χ^2/NDF:1752475.1/23

Right Out: 171.006+/-0.033 χ^2/NDF: 2722285.2/27

Left In: 178.475+/-0.031 χ^2/NDF:1676266.4/22

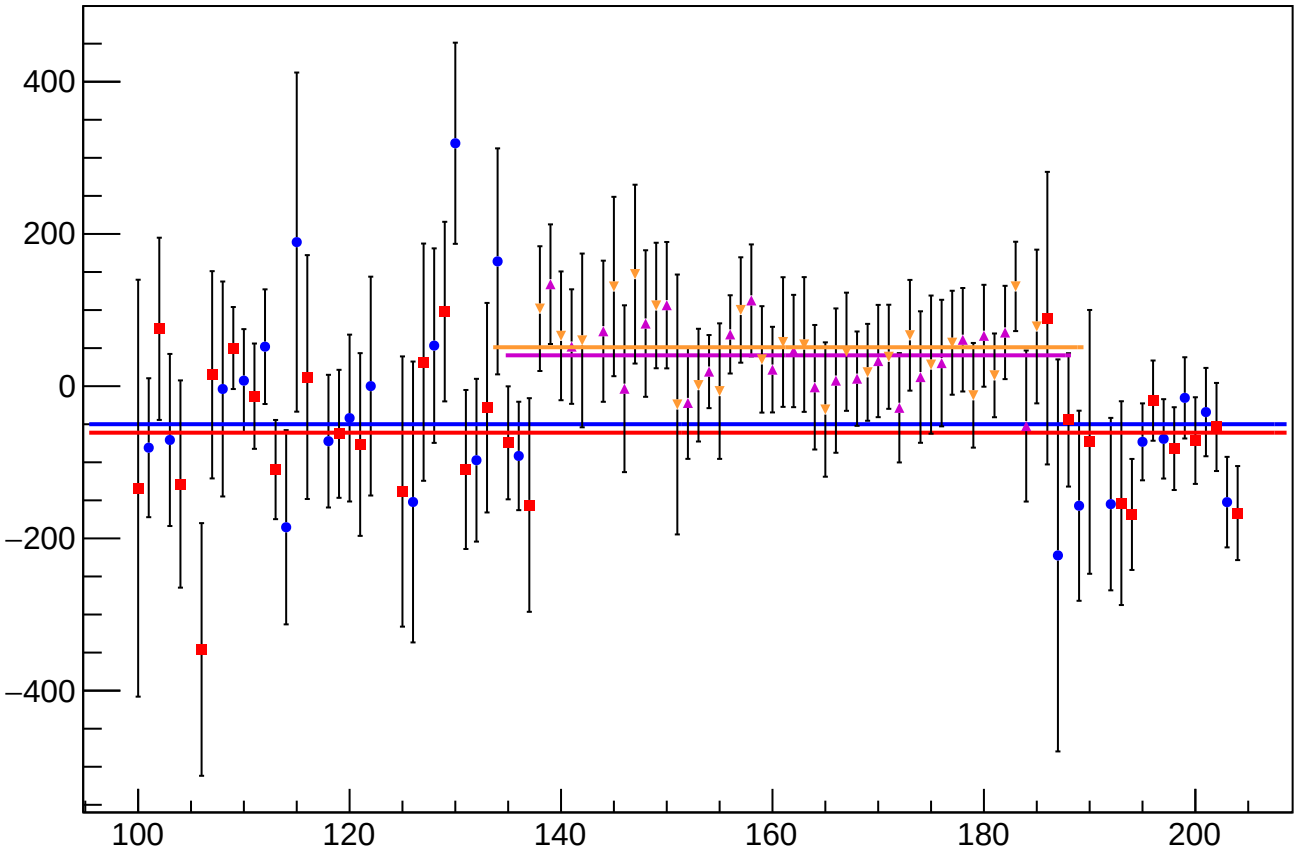
Left: 186.052+/-0.023 χ^2/NDF: 3559074.3/46

Right: 172.474+/-0.024 χ^2/NDF: 4913943.5/51

In: 176.634+/-0.023 χ^2/NDF:3872121.4/46

Out: 182.980+/-0.024 χ^2/NDF:4731097.3/51

All: 179.782+/-0.017 χ^2/NDF: 8639874.7/98



Right In: -49.952+/-17.374 χ^2/NDF: 22.5/23

Left Out: 51.161+/-16.037 χ^2/NDF:8.1/23

Right Out: -61.109+/-16.245 χ^2/NDF: 20.6/27

Left In: 40.540+/-14.978 χ^2/NDF:7.9/22

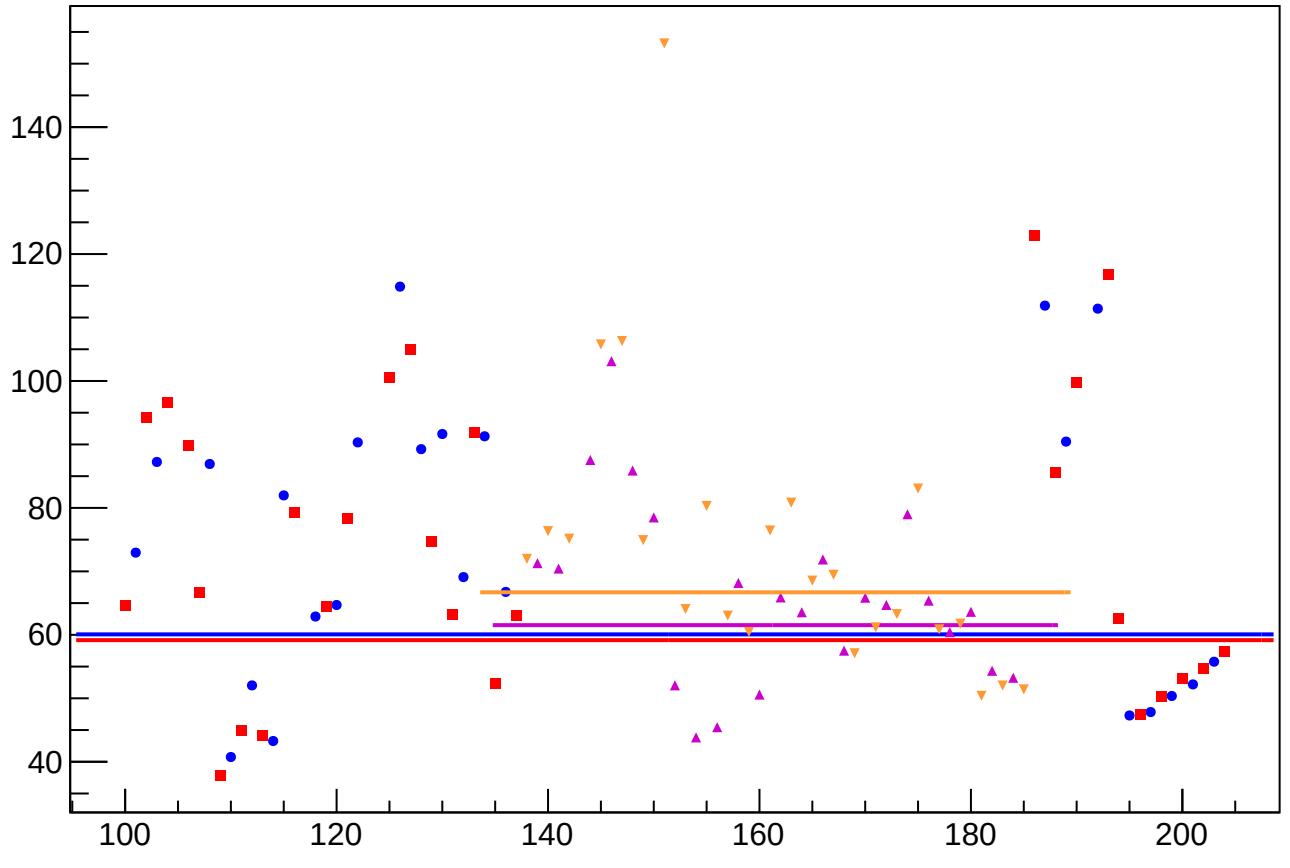
Left: 45.488+/-10.946 χ^2/NDF: 16.2/46

Right: -55.905+/-11.866 χ^2/NDF: 43.3/51

In: 1.960+/-11.344 χ^2/NDF:45.9/46

Out: -4.251+/-11.413 χ^2/NDF:52.9/51

All: -1.127+/-8.046 χ^2/NDF: 99.0/98



Right In: 60.074+/-0.012 χ^2/NDF: 2038178.0/23

Left Out: 66.703+/-0.011 χ^2/NDF:1676329.9/23

Right Out: 59.164+/-0.011 χ^2/NDF: 2518413.1/27

Left In: 61.529+/-0.011 χ^2/NDF:1489848.4/22

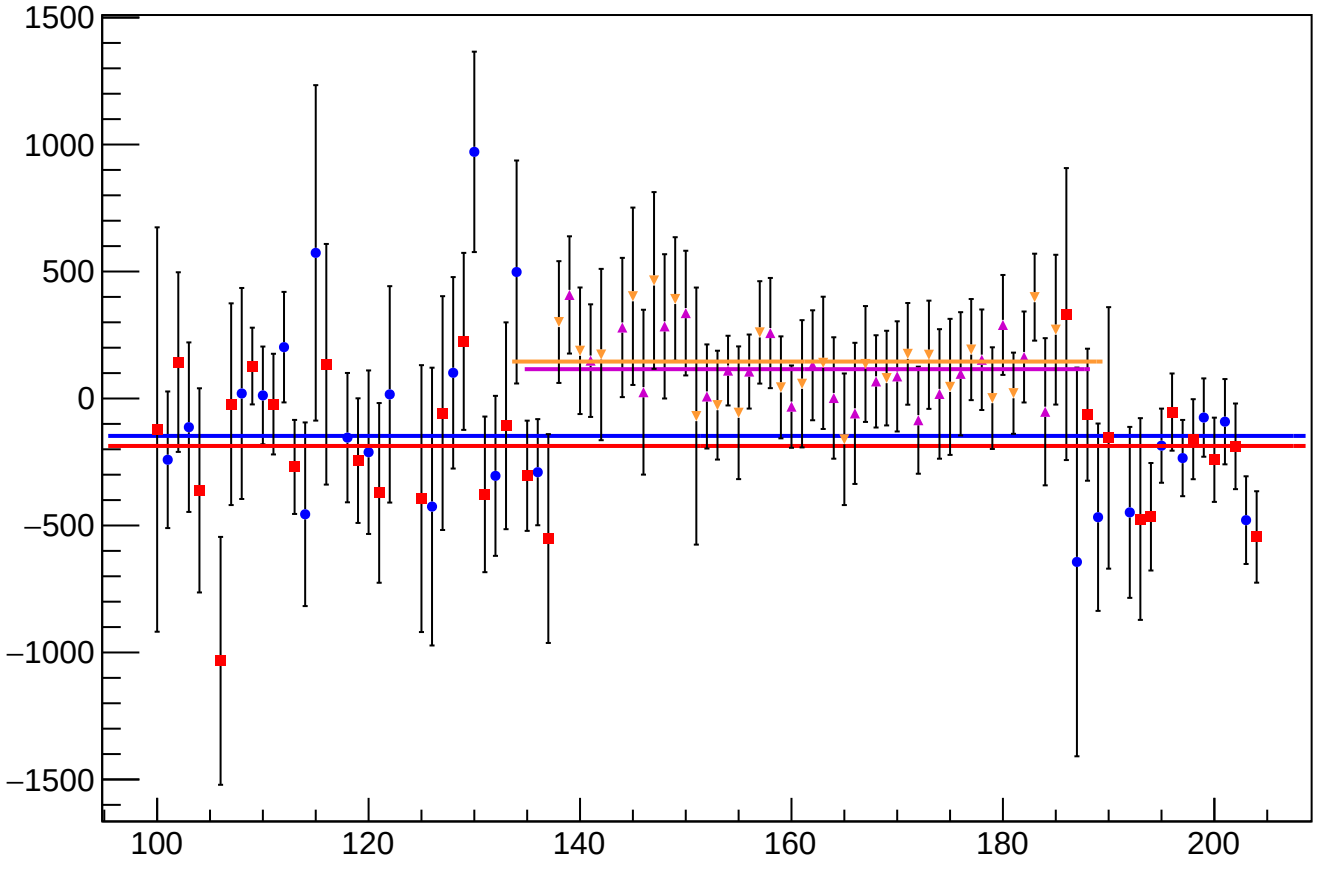
Left: 63.939+/-0.008 χ^2/NDF: 3277377.5/46

Right: 59.588+/-0.008 χ^2/NDF: 4559519.6/51

In: 60.908+/-0.008 χ^2/NDF:3536074.7/46

Out: 62.982+/-0.008 χ^2/NDF:4412921.5/51

All: 61.939+/-0.006 χ^2/NDF: 7982199.3/98



Right In: -147.312+/-50.478 χ^2/NDF: 23.7/23

Left Out: 145.476+/-46.889 χ^2/NDF:10.2/23

Right Out: -186.864+/-47.117 χ^2/NDF: 21.6/27

Left In: 115.487+/-43.568 χ^2/NDF:7.8/22

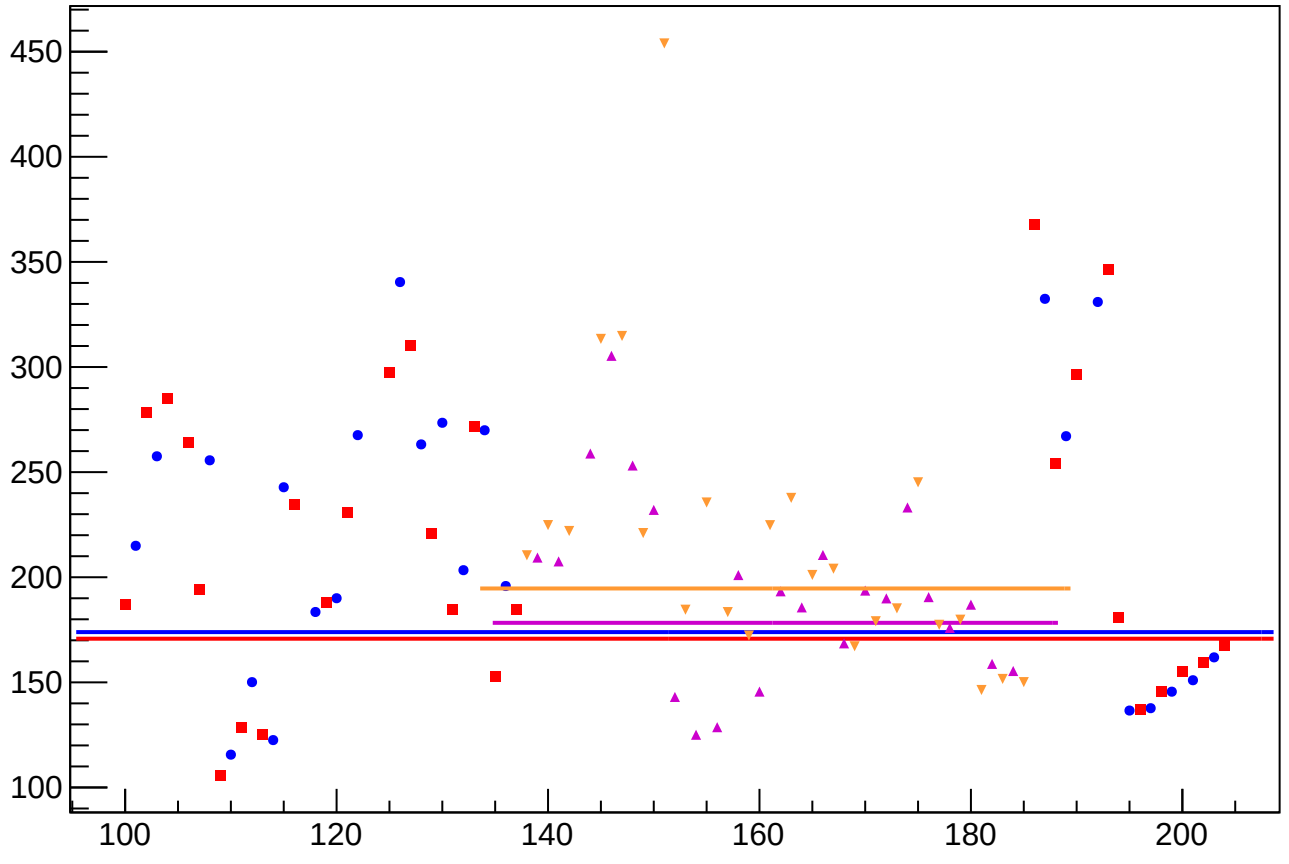
Left: 129.382+/-31.917 χ^2/NDF: 18.2/46

Right: -168.448+/-34.444 χ^2/NDF: 45.6/51

In: 3.293+/-32.982 χ^2/NDF:47.0/46

Out: -19.889+/-33.236 χ^2/NDF:56.8/51

All: -8.209+/-23.411 χ^2/NDF: 104.0/98



Right In: 173.906+/-0.036 χ^2/NDF: 2194188.9/23

Left Out: 194.659+/-0.033 χ^2/NDF:1753119.9/23

Right Out: 170.764+/-0.033 χ^2/NDF: 2730548.5/27

Left In: 178.318+/-0.031 χ^2/NDF:1678336.4/22

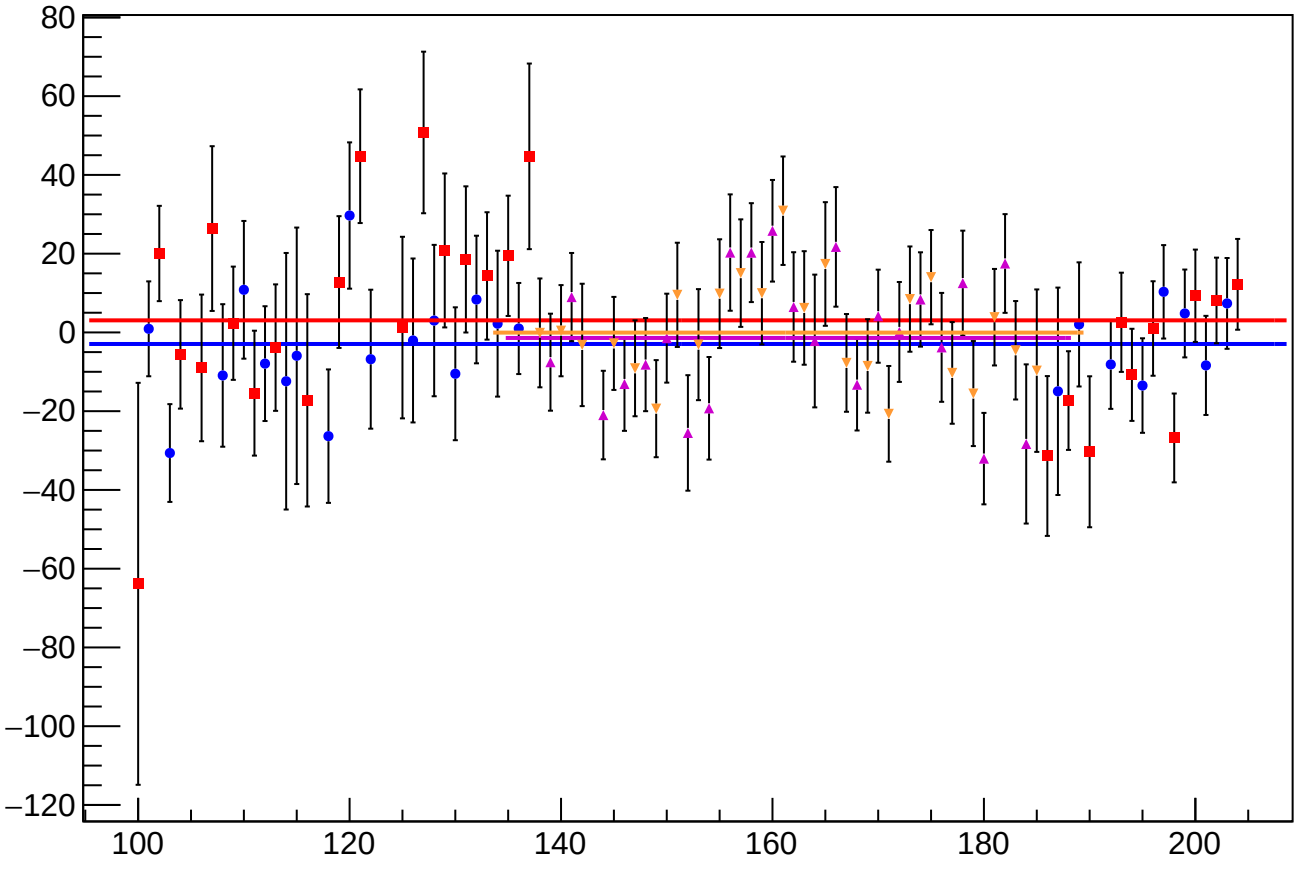
Left: 185.889+/-0.023 χ^2/NDF: 3561822.0/46

Right: 172.227+/-0.024 χ^2/NDF: 4928878.4/51

In: 176.434+/-0.023 χ^2/NDF:3881281.6/46

Out: 182.769+/-0.024 χ^2/NDF:4742117.4/51

All: 179.578+/-0.017 χ^2/NDF: 8660009.9/98



Right In: -2.937+/-3.045 χ^2/NDF: 16.1/23

Left Out: -0.047+/-2.685 χ^2/NDF:20.5/23

Right Out: 3.065+/-2.867 χ^2/NDF: 44.0/27

Left In: -1.407+/-2.674 χ^2/NDF:36.3/22

Left: -0.729+/-1.895 χ^2/NDF: 56.9/46

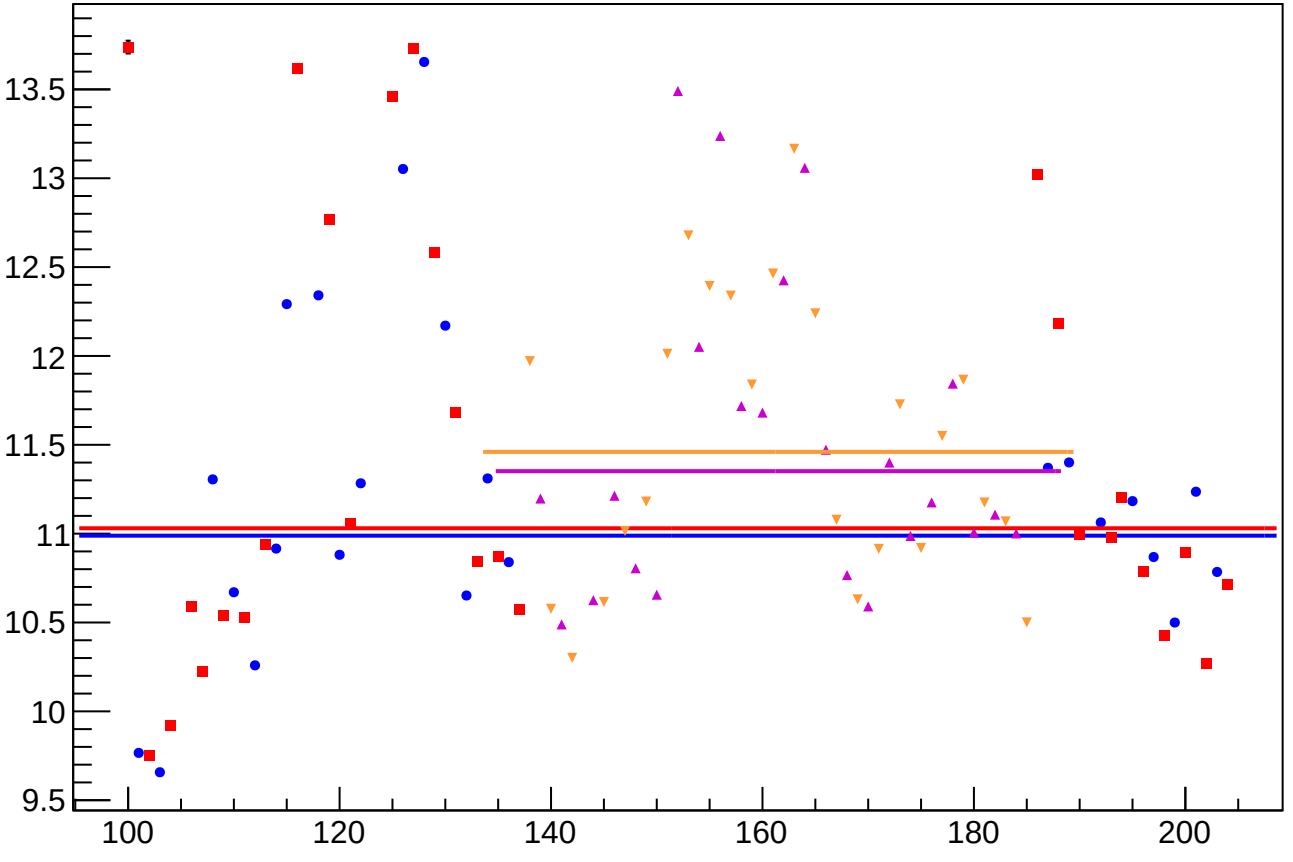
Right: 0.244+/-2.088 χ^2/NDF: 62.2/51

In: -2.073+/-2.009 χ^2/NDF:52.6/46

Out: 1.407+/-1.960 χ^2/NDF:65.1/51

All: -0.290+/-1.403 χ^2/NDF: 119.3/98

asym_bcm_an_us_an_ds_dd_rms vs Slug, Sign Corrected



Right In: 10.989+/-0.002 χ^2/NDF: 144014.2/23

Left Out: 11.460+/-0.002 χ^2/NDF:150430.0/23

Right Out: 11.030+/-0.002 χ^2/NDF: 217452.9/27

Left In: 11.352+/-0.002 χ^2/NDF:170563.6/22

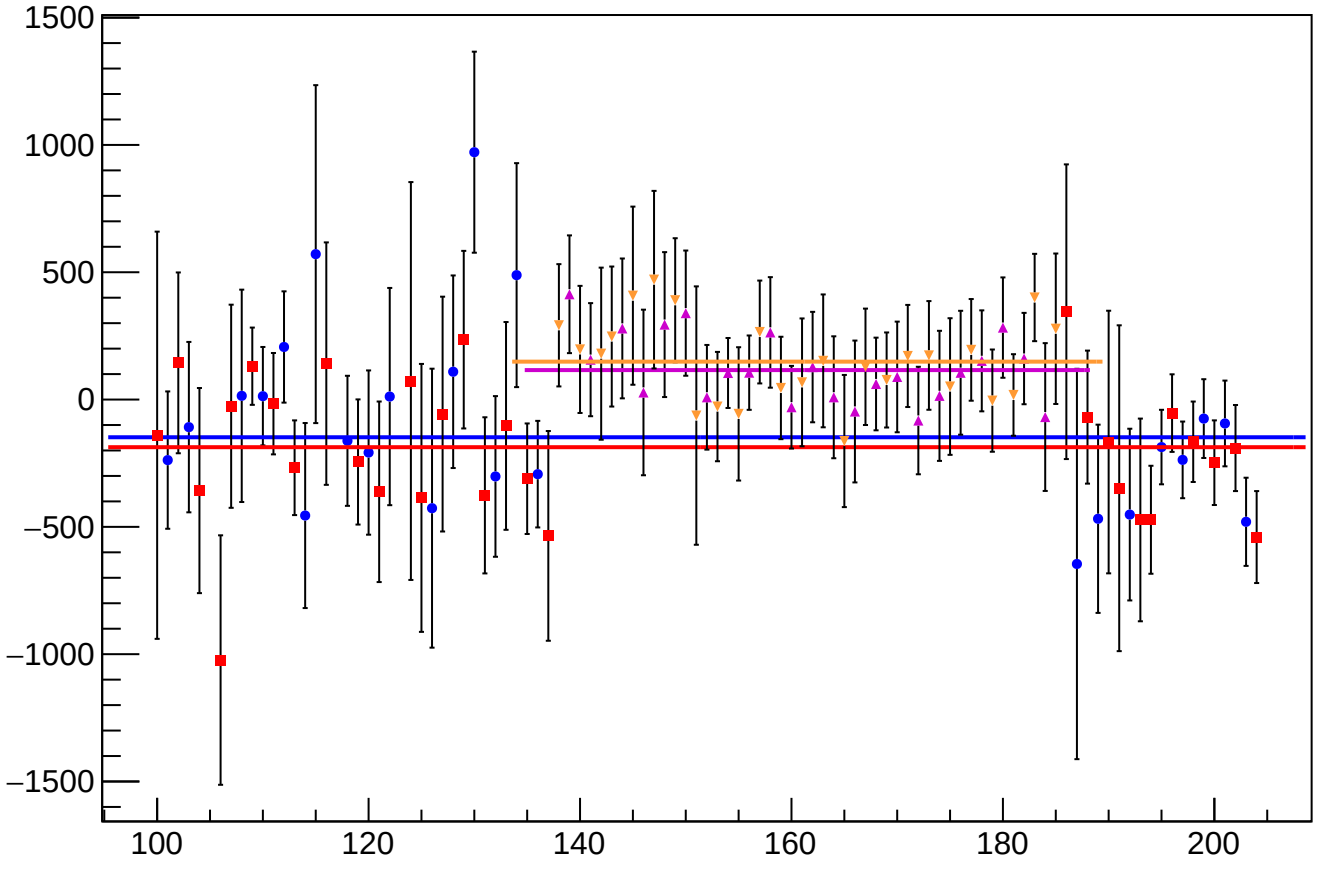
Left: 11.406+/-0.001 χ^2/NDF: 322630.2/46

Right: 11.011+/-0.001 χ^2/NDF: 361665.6/51

In: 11.194+/-0.001 χ^2/NDF:330634.7/46

Out: 11.259+/-0.001 χ^2/NDF:391828.6/51

All: 11.227+/-0.001 χ^2/NDF: 723557.6/98



Right In: -148.072+/-50.617 χ^2/NDF: 23.7/23

Left Out: 148.905+/-46.306 χ^2/NDF:10.5/24

Right Out: -187.095+/-47.036 χ^2/NDF: 21.7/29

Left In: 115.709+/-43.641 χ^2/NDF:7.8/22

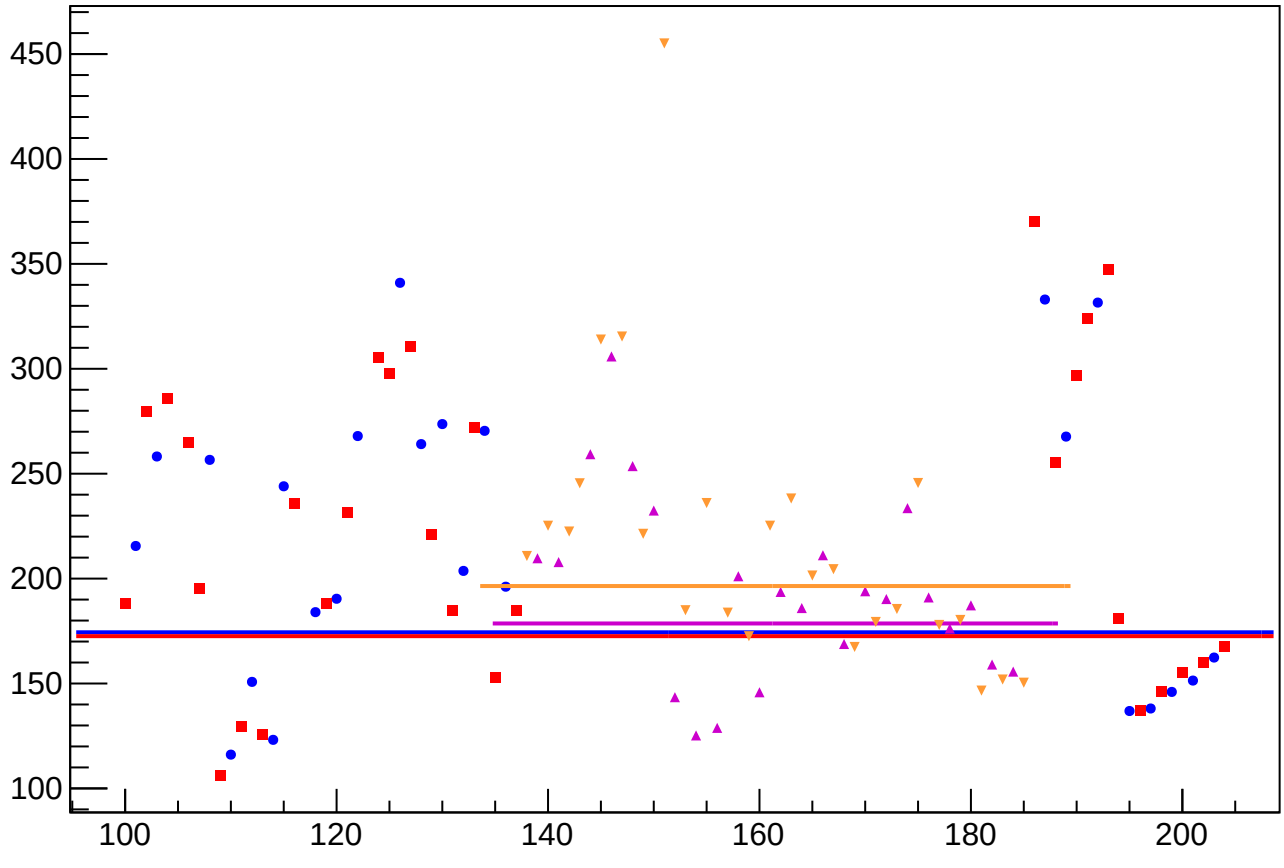
Left: 131.325+/-31.759 χ^2/NDF: 18.6/47

Right: -169.013+/-34.456 χ^2/NDF: 45.6/53

In: 3.235+/-33.052 χ^2/NDF:47.0/46

Out: -16.470+/-32.998 χ^2/NDF:58.1/54

All: -6.634+/-23.352 χ^2/NDF: 105.3/101



Right In: 174.404+/-0.036 χ^2/NDF: 2188481.3/23

Left Out: 196.454+/-0.033 χ^2/NDF:1818746.1/24

Right Out: 172.566+/-0.033 χ^2/NDF: 2898741.0/29

Left In: 178.614+/-0.031 χ^2/NDF:1678859.8/22

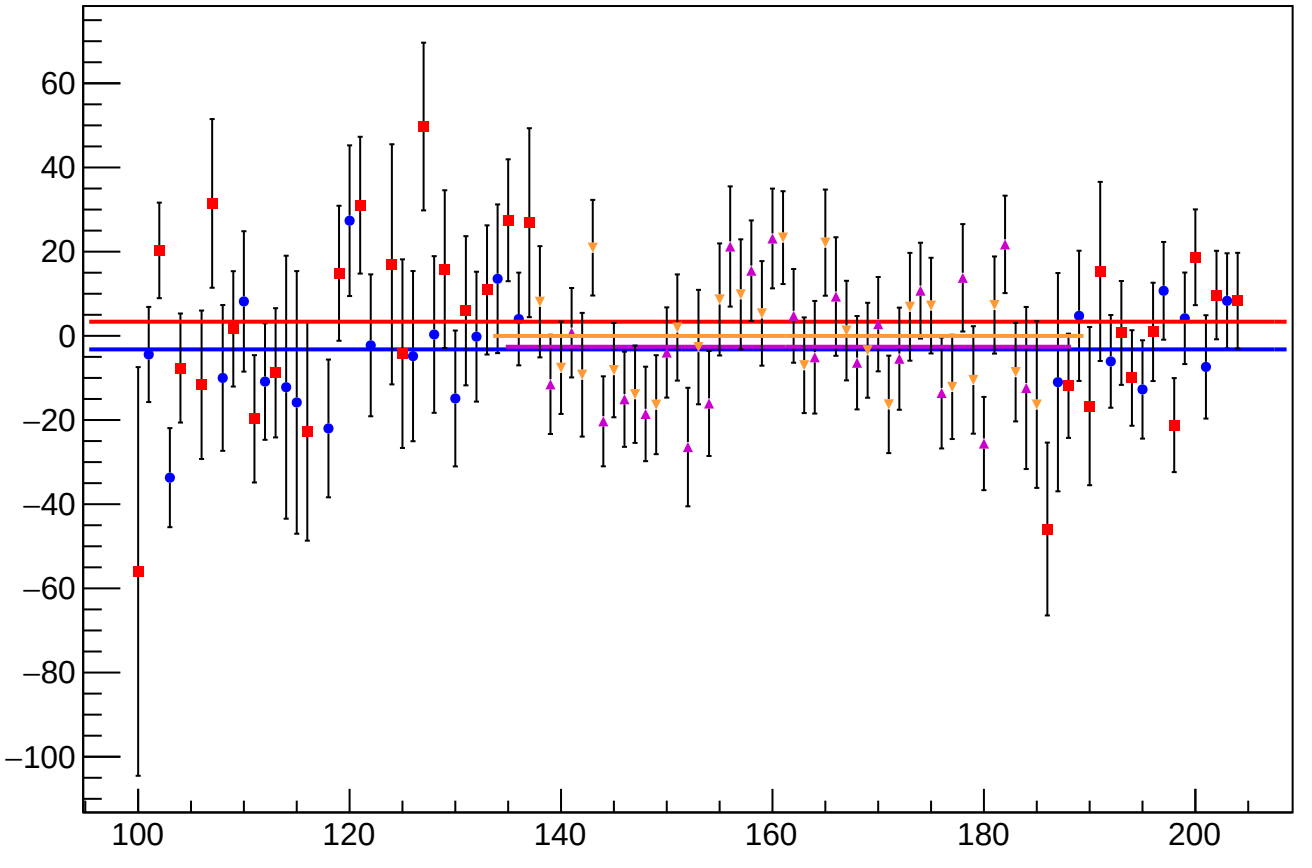
Left: 187.006+/-0.022 χ^2/NDF: 3654827.6/47

Right: 173.418+/-0.024 χ^2/NDF: 5088638.5/53

In: 176.819+/-0.023 χ^2/NDF:3875275.9/46

Out: 184.697+/-0.023 χ^2/NDF:4979463.4/54

All: 180.764+/-0.017 χ^2/NDF: 8911637.7/101



Right In: -3.222+/-2.936 χ^2/NDF: 18.2/23

Left Out: -0.018+/-2.445 χ^2/NDF:23.7/24

Right Out: 3.357+/-2.733 χ^2/NDF: 42.3/29

Left In: -2.591+/-2.506 χ^2/NDF:34.8/22

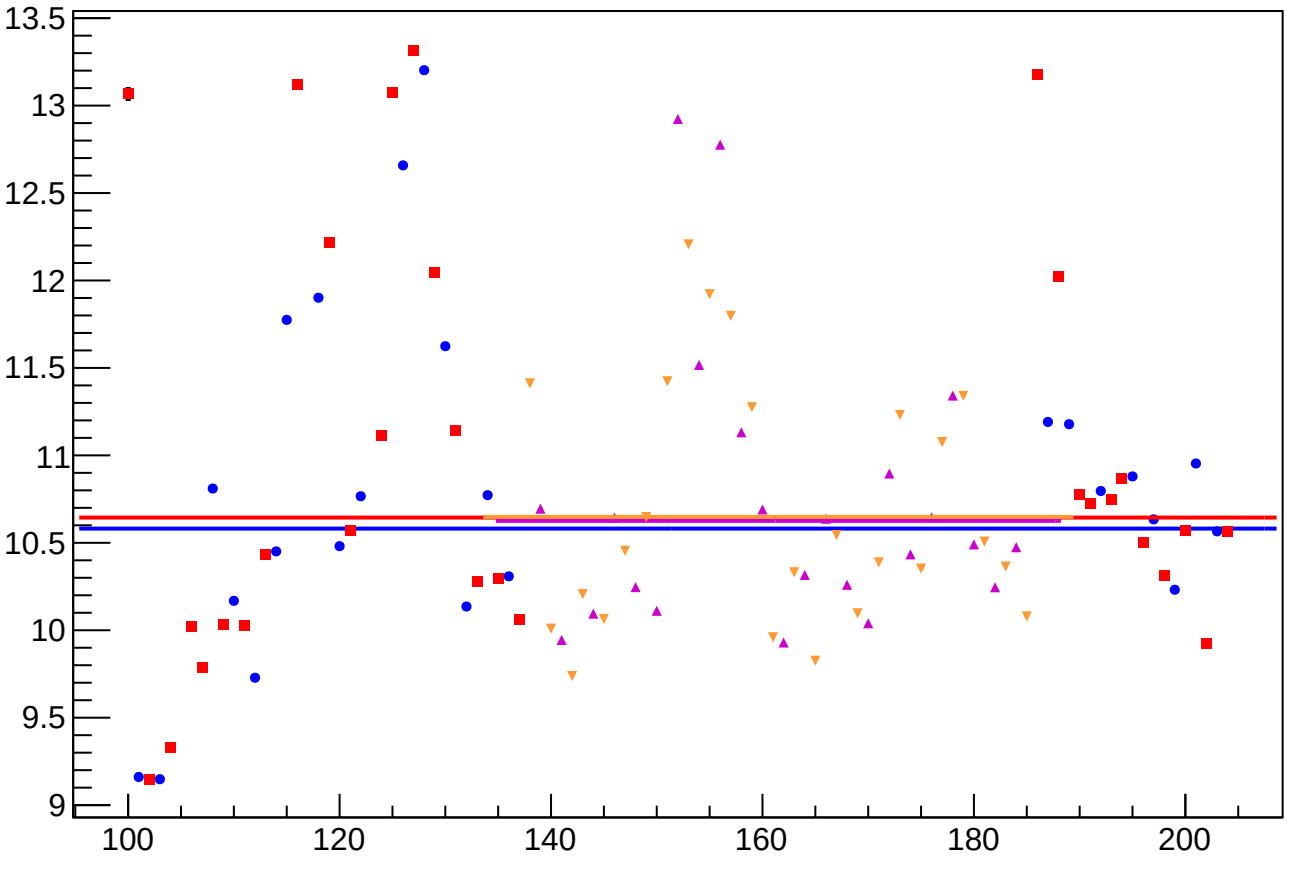
Left: -1.272+/-1.750 χ^2/NDF: 59.1/47

Right: 0.303+/-2.001 χ^2/NDF: 63.1/53

In: -2.857+/-1.906 χ^2/NDF:53.0/46

Out: 1.482+/-1.822 χ^2/NDF:66.9/54

All: -0.590+/-1.317 χ^2/NDF: 122.6/101



Right In: 10.581+/-0.002 χ^2/NDF: 169042.9/23

Left Out: 10.648+/-0.002 χ^2/NDF:143535.9/24

Right Out: 10.644+/-0.002 χ^2/NDF: 256106.6/29

Left In: 10.626+/-0.002 χ^2/NDF:159543.1/22

Left: 10.637+/-0.001 χ^2/NDF: 303162.3/47

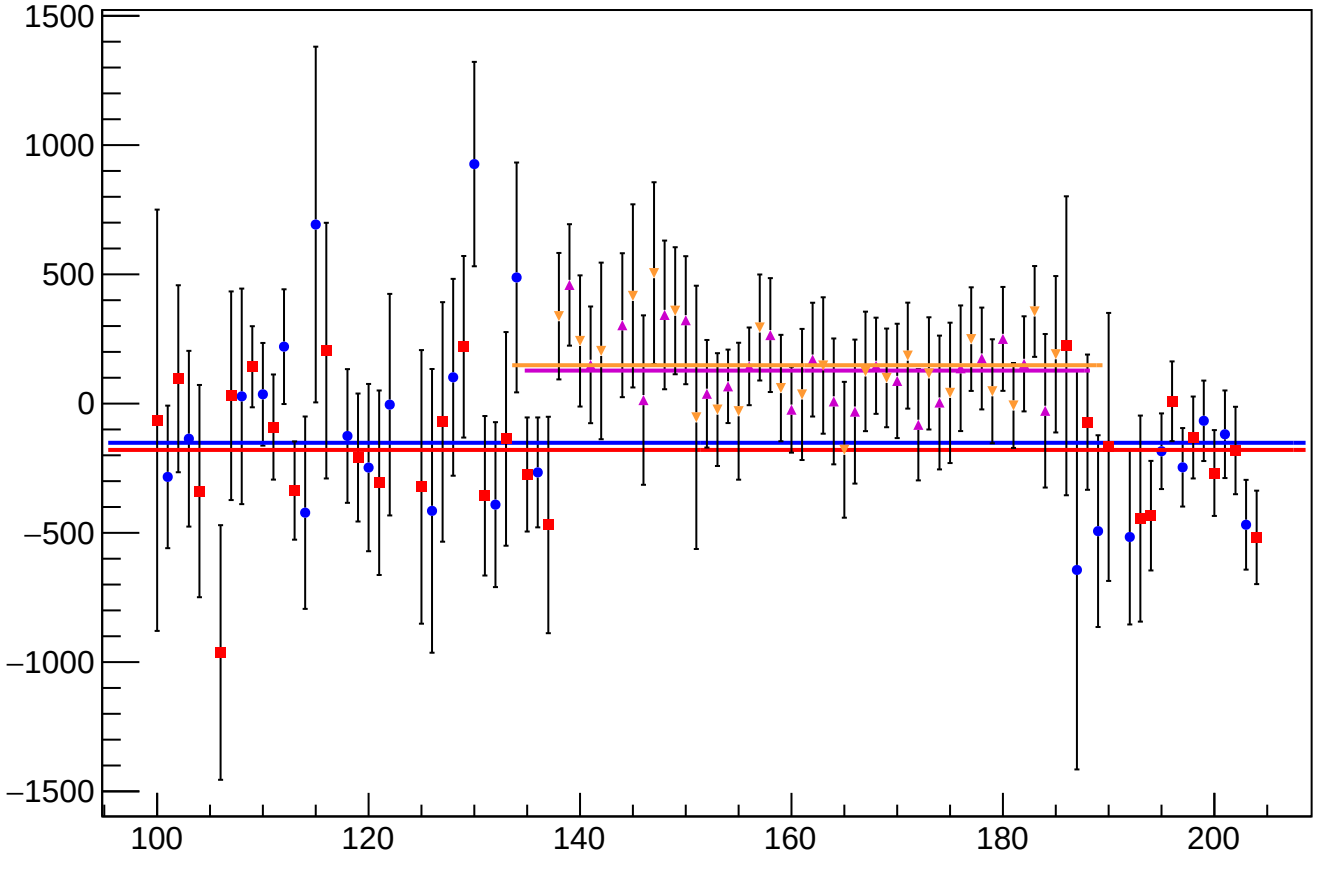
Right: 10.615+/-0.001 χ^2/NDF: 425643.0/53

In: 10.607+/-0.001 χ^2/NDF:328849.8/46

Out: 10.647+/-0.001 χ^2/NDF:399644.9/54

All: 10.628+/-0.001 χ^2/NDF: 728944.2/101

asym_bcm_dg_us_dg_ds_avg_mean vs Slug, Sign Corrected



Right In: -151.619+/-51.085 χ^2/NDF: 23.9/23

Left Out: 148.441+/-47.720 χ^2/NDF:9.9/23

Right Out: -179.228+/-47.746 χ^2/NDF: 19.7/27

Left In: 127.710+/-44.426 χ^2/NDF:7.8/22

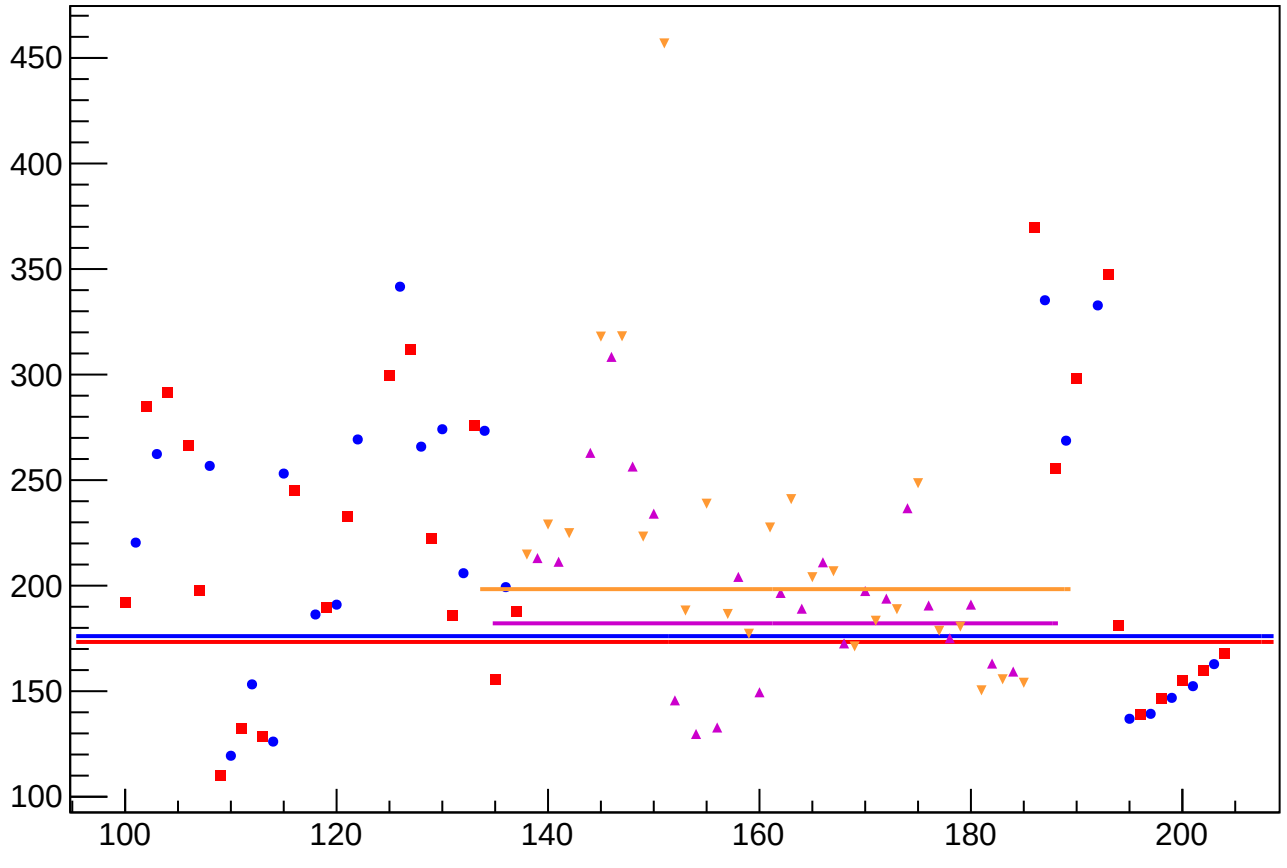
Left: 137.335+/-32.516 χ^2/NDF: 17.8/46

Right: -166.355+/-34.882 χ^2/NDF: 43.8/51

In: 7.425+/-33.523 χ^2/NDF:48.8/46

Out: -15.306+/-33.753 χ^2/NDF:53.2/51

All: -3.863+/-23.785 χ^2/NDF: 102.2/98



Right In: 176.092+/-0.036 χ^2/NDF: 2176141.6/23

Left Out: 198.351+/-0.034 χ^2/NDF:1697058.2/23

Right Out: 173.334+/-0.034 χ^2/NDF: 2660147.4/27

Left In: 182.150+/-0.031 χ^2/NDF:1584358.1/22

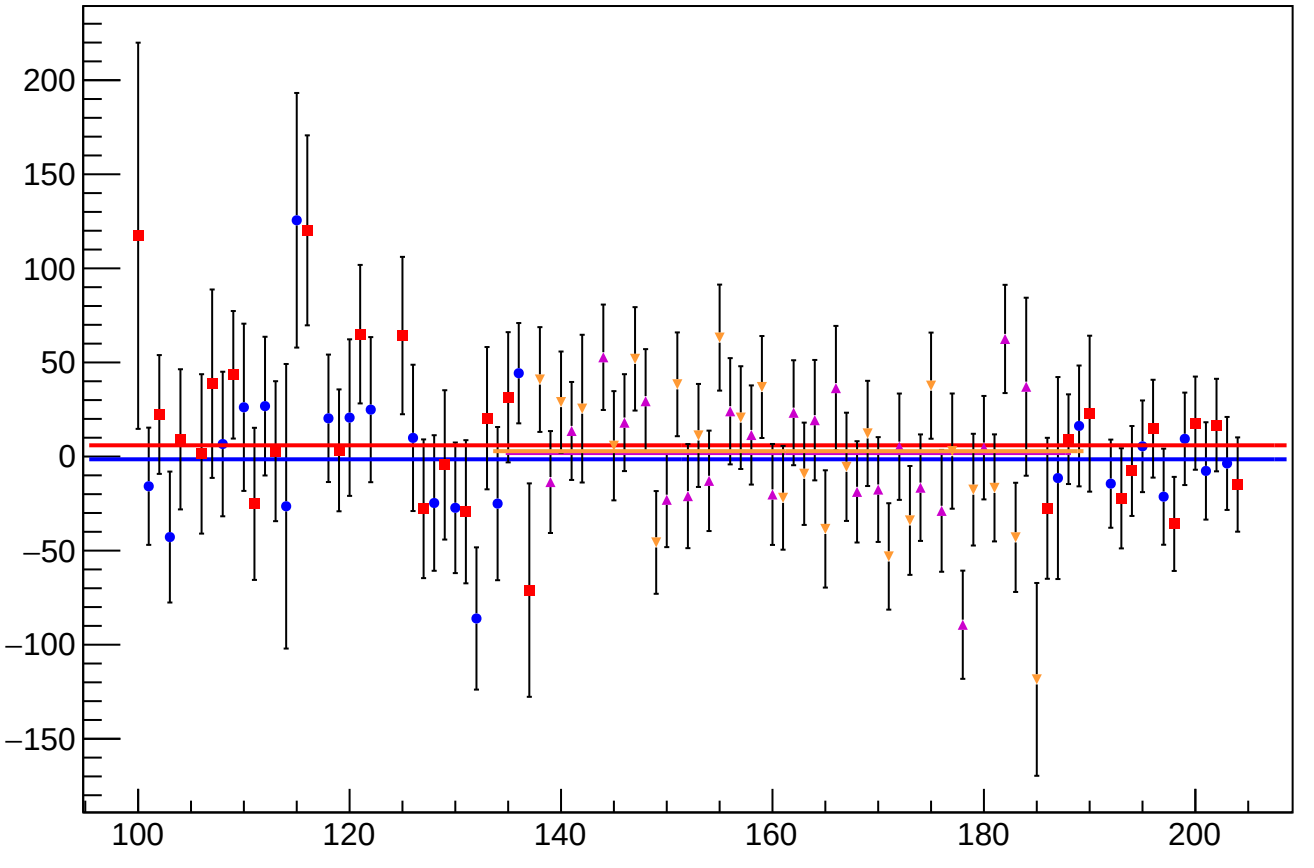
Left: 189.672+/-0.023 χ^2/NDF: 3404908.8/46

Right: 174.620+/-0.025 χ^2/NDF: 4839400.9/51

In: 179.541+/-0.024 χ^2/NDF:3776514.7/46

Out: 185.849+/-0.024 χ^2/NDF:4631897.5/51

All: 182.674+/-0.017 χ^2/NDF: 8443578.0/98



Right In: -1.469+/-6.680 χ^2/NDF: 18.4/23

Left Out: 2.851+/-5.904 χ^2/NDF:36.9/23

Right Out: 5.966+/-6.235 χ^2/NDF: 24.1/27

Left In: 1.850+/-5.893 χ^2/NDF:28.1/22

Left: 2.349+/-4.171 χ^2/NDF: 65.0/46

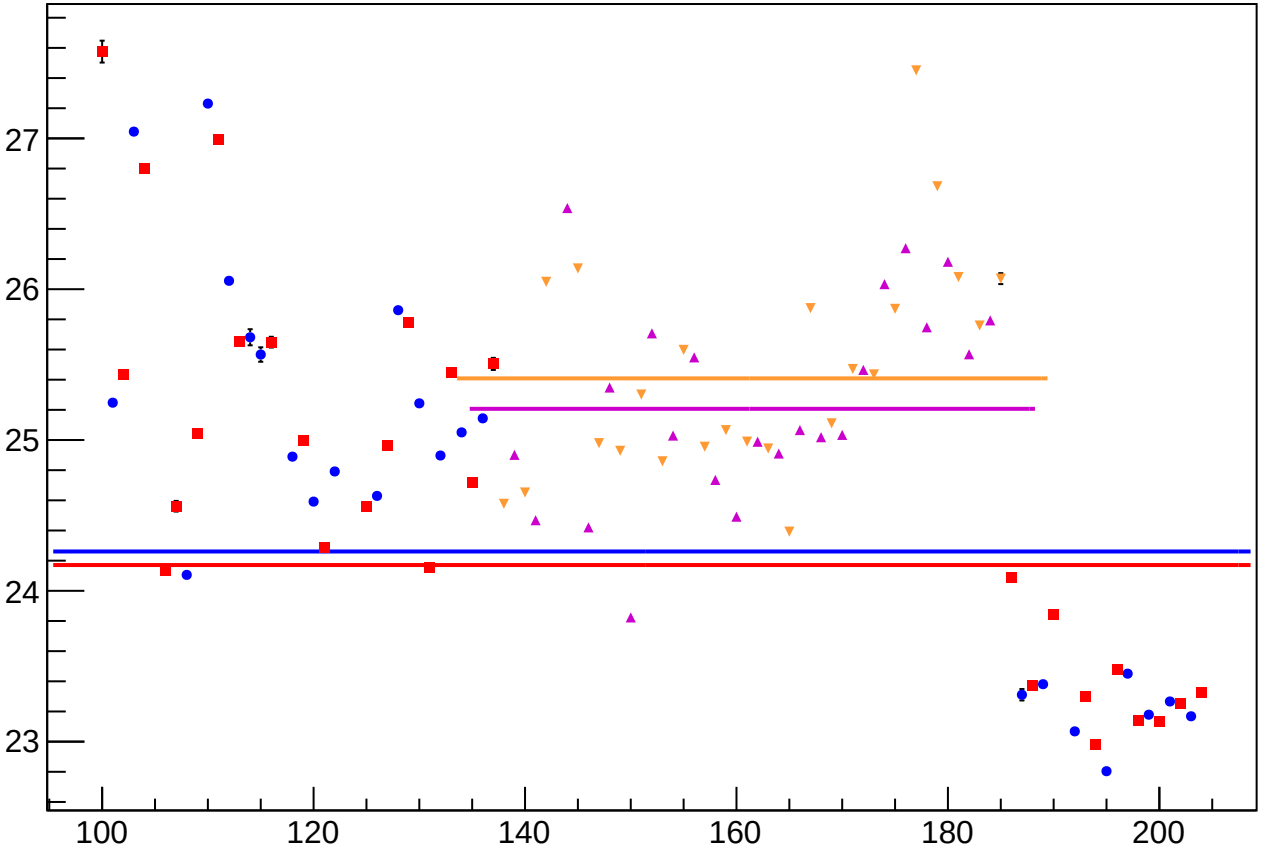
Right: 2.504+/-4.558 χ^2/NDF: 43.1/51

In: 0.397+/-4.419 χ^2/NDF:46.6/46

Out: 4.323+/-4.287 χ^2/NDF:61.1/51

All: 2.420+/-3.077 χ^2/NDF: 108.1/98

asym_bcm_dg_us_dg_ds_dd_rms vs Slug, Sign Corrected



Right In: 24.261+/-0.005 χ^2/NDF: 67639.6/23

Left Out: 25.409+/-0.004 χ^2/NDF:26863.6/23

Right Out: 24.171+/-0.004 χ^2/NDF: 63922.2/27

Left In: 25.207+/-0.004 χ^2/NDF:25827.4/22

Left: 25.308+/-0.003 χ^2/NDF: 53862.4/46

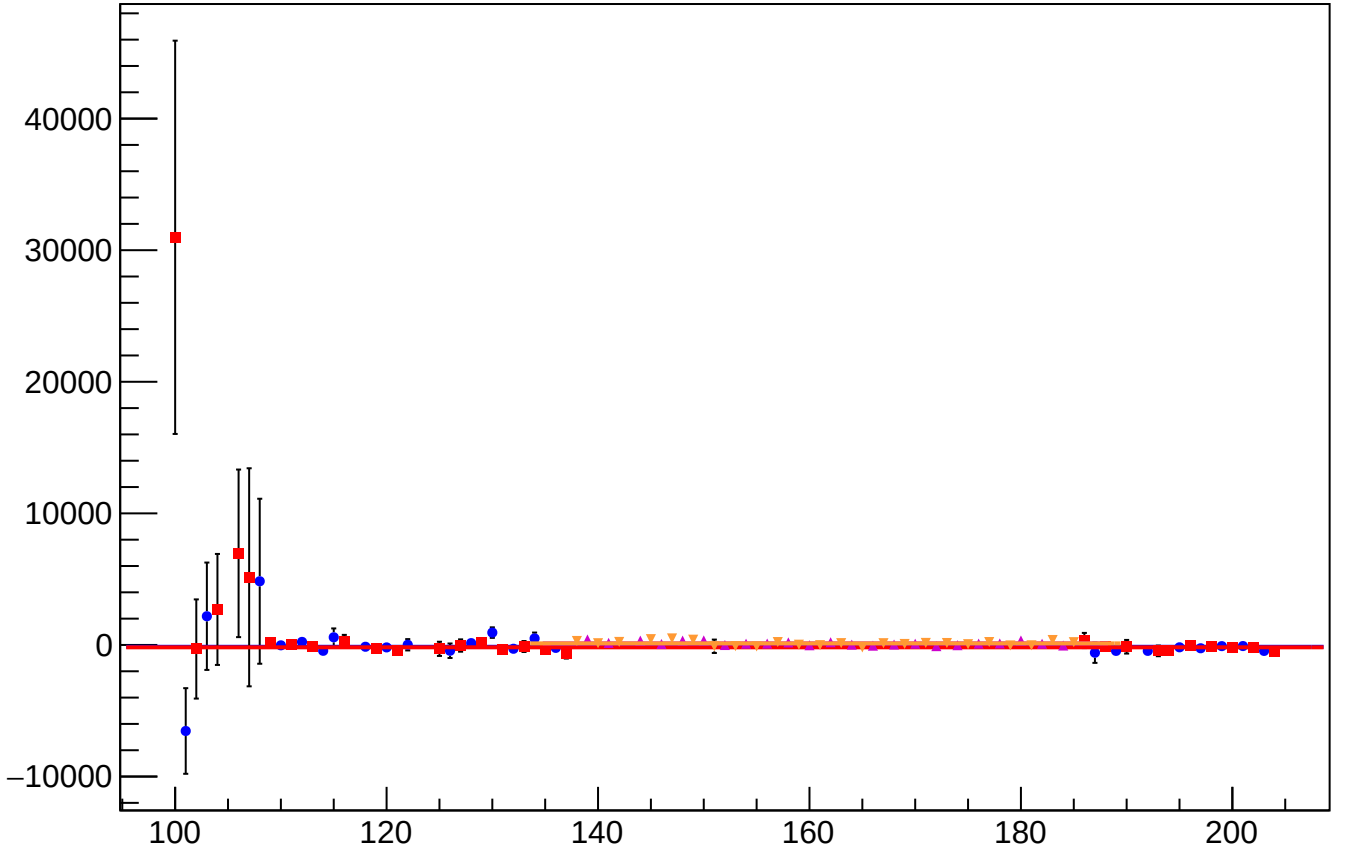
Right: 24.213+/-0.003 χ^2/NDF: 131755.2/51

In: 24.793+/-0.003 χ^2/NDF:116024.0/46

Out: 24.824+/-0.003 χ^2/NDF:132336.8/51

All: 24.809+/-0.002 χ^2/NDF: 248410.8/98

asym_bcm_cav4cQ_an_ds_avg_mean vs Slug, Sign Corrected



Right In: -139.632+/-53.758 χ^2/NDF: 26.2/23

Left Out: 120.221+/-47.440 χ^2/NDF:11.9/23

Right Out: -179.126+/-50.849 χ^2/NDF: 22.1/27

Left In: 116.243+/-44.786 χ^2/NDF:8.4/22

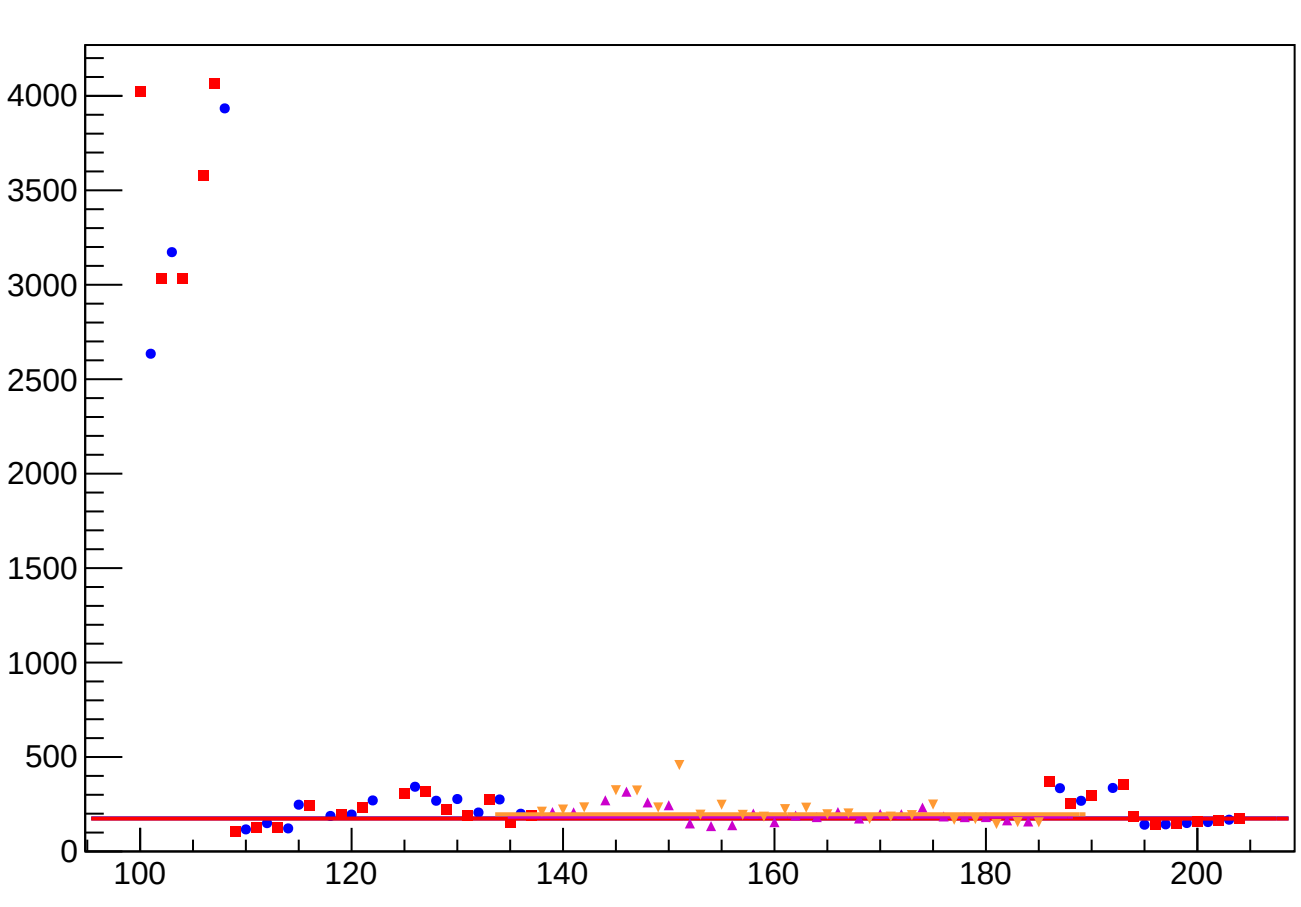
Left: 118.118+/-32.566 χ^2/NDF: 20.4/46

Right: -160.476+/-36.941 χ^2/NDF: 48.6/51

In: 11.411+/-34.410 χ^2/NDF:48.0/46

Out: -19.084+/-34.688 χ^2/NDF:52.6/51

All: -3.713+/-24.429 χ^2/NDF: 101.0/98



Right In: 175.052+/-0.038 χ^2/NDF: 4816696.4/23

Left Out: 196.935+/-0.034 χ^2/NDF:1809266.5/23

Right Out: 173.940+/-0.036 χ^2/NDF: 5333302.5/27

Left In: 184.051+/-0.032 χ^2/NDF:1445426.0/22

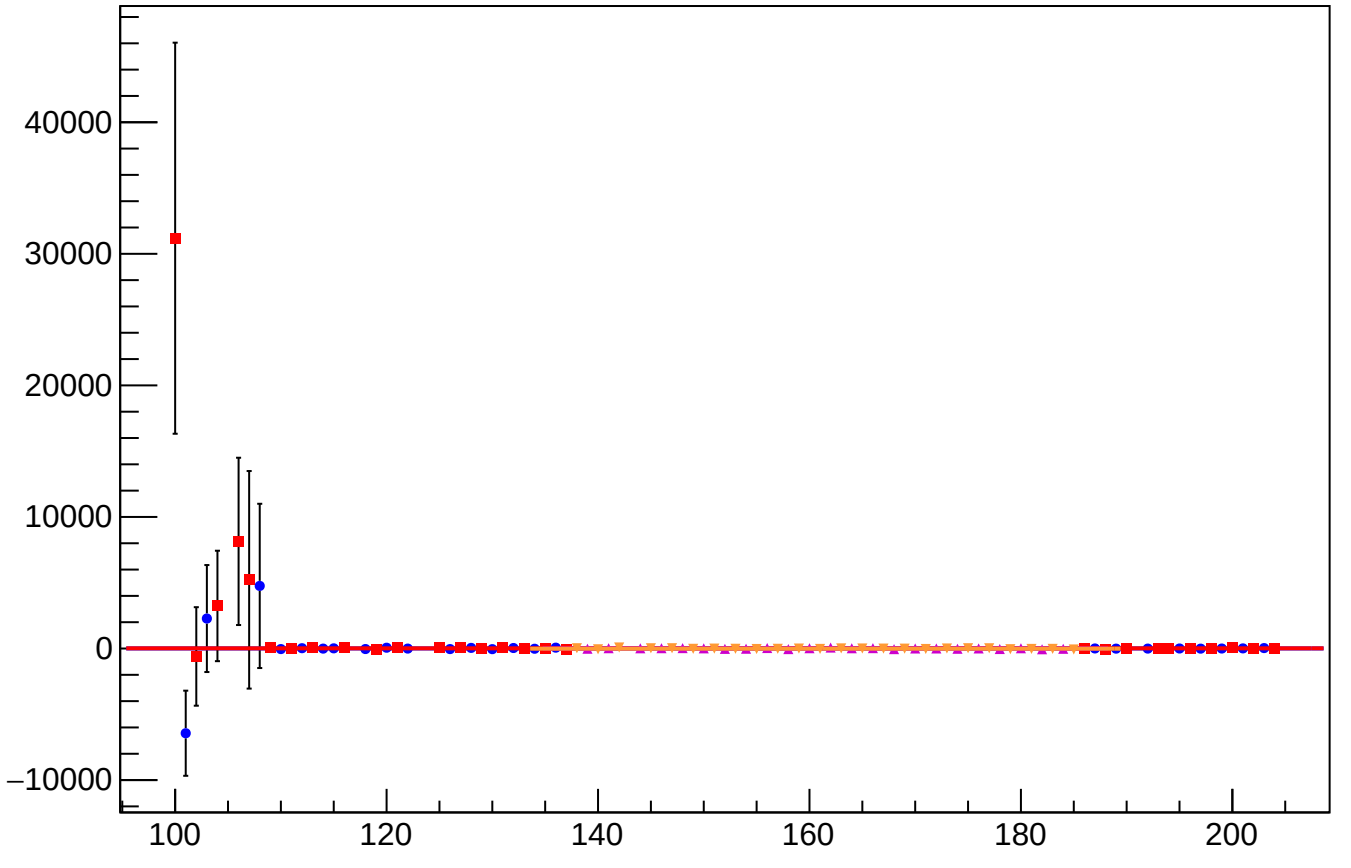
Left: 190.123+/-0.023 χ^2/NDF: 3332695.4/46

Right: 174.465+/-0.026 χ^2/NDF: 10150450.4/51

In: 180.364+/-0.024 χ^2/NDF:6295207.0/46

Out: 186.234+/-0.025 χ^2/NDF:7361247.8/51

All: 183.275+/-0.017 χ^2/NDF: 13685323.6/98



Right In: 4.475+/-8.091 χ^2/NDF: 19.9/23

Left Out: -11.111+/-6.653 χ^2/NDF:17.5/23

Right Out: 14.670+/-7.651 χ^2/NDF: 28.5/27

Left In: 2.576+/-6.732 χ^2/NDF:22.2/22

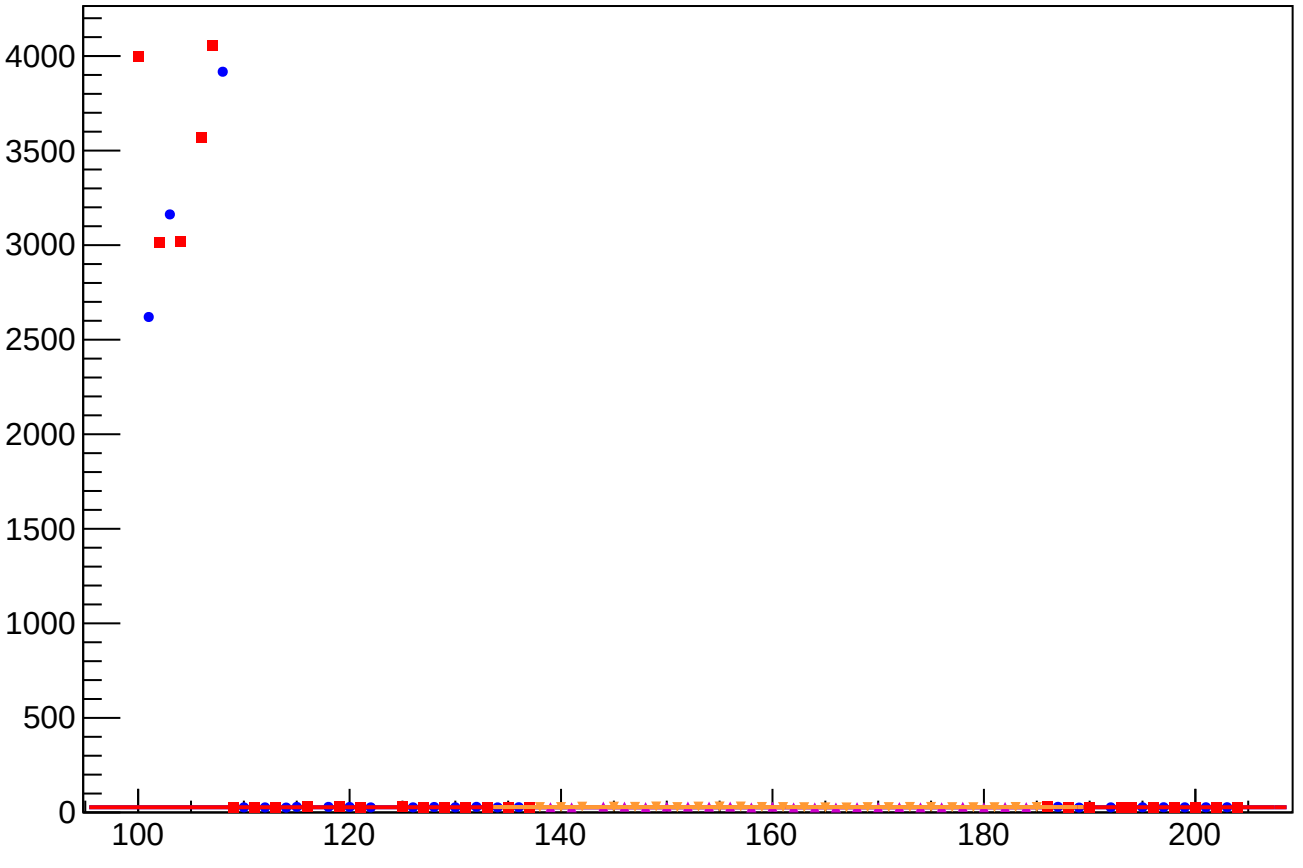
Left: -4.348+/-4.732 χ^2/NDF: 41.8/46

Right: 9.857+/-5.559 χ^2/NDF: 49.3/51

In: 3.353+/-5.175 χ^2/NDF:42.1/46

Out: -0.011+/-5.020 χ^2/NDF:52.5/51

All: 1.620+/-3.603 χ^2/NDF: 94.8/98



Right In: 27.522+/-0.006 χ^2/NDF: 3275079.6/23

Left Out: 28.592+/-0.005 χ^2/NDF:80997.4/23

Right Out: 27.526+/-0.005 χ^2/NDF: 3581517.0/27

Left In: 28.728+/-0.005 χ^2/NDF:127383.0/22

Left: 28.659+/-0.003 χ^2/NDF: 208789.7/46

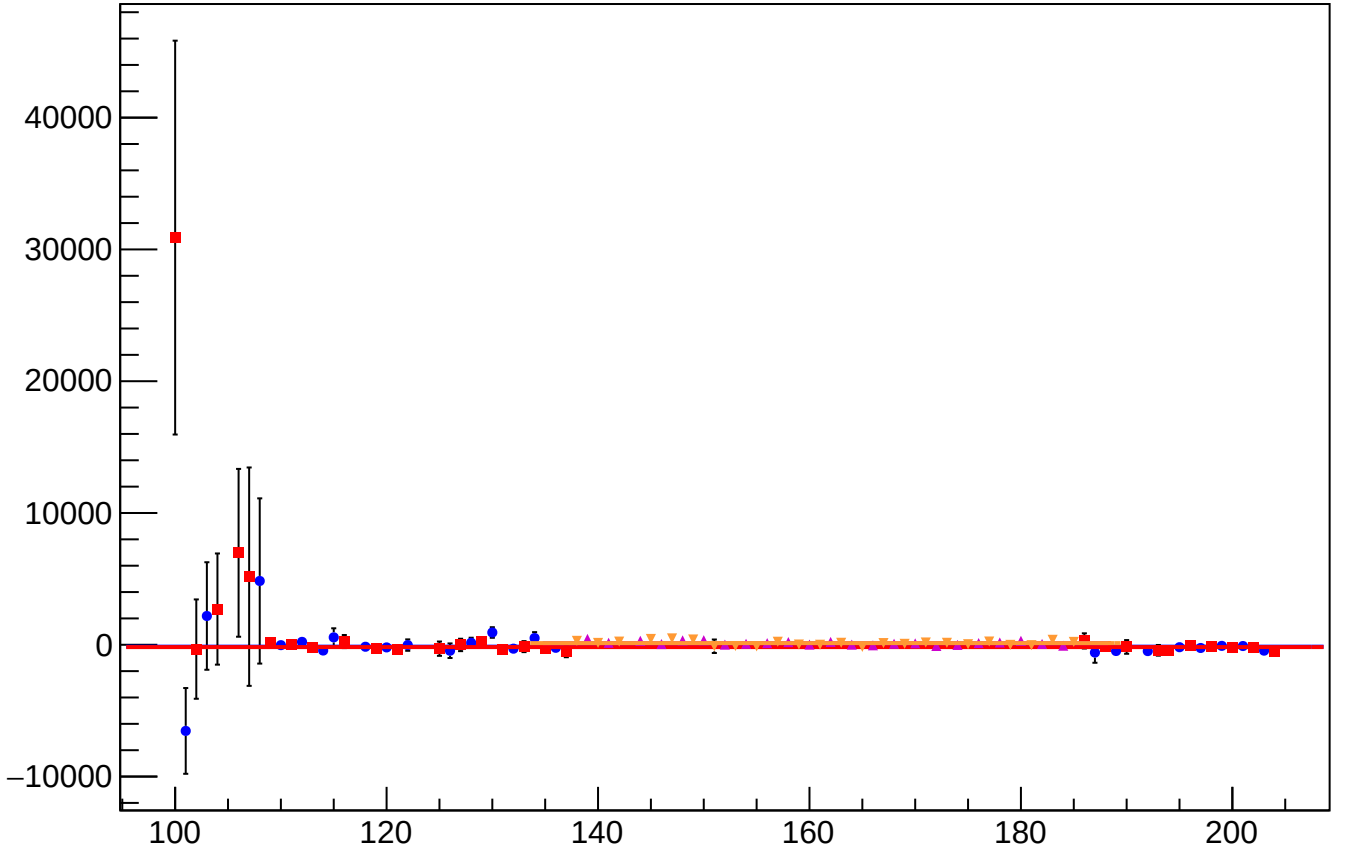
Right: 27.524+/-0.004 χ^2/NDF: 6856596.8/51

In: 28.235+/-0.004 χ^2/NDF:3428687.5/46

Out: 28.133+/-0.004 χ^2/NDF:3684642.0/51

All: 28.182+/-0.003 χ^2/NDF: 7113725.8/98

asym_bcm_cav4cQ_dg_ds_avg_mean vs Slug, Sign Corrected



Right In: -143.552+/-54.017 χ^2/NDF: 25.9/23

Left Out: 126.373+/-47.852 χ^2/NDF:11.6/23

Right Out: -175.843+/-51.065 χ^2/NDF: 20.3/27

Left In: 122.809+/-45.199 χ^2/NDF:8.0/22

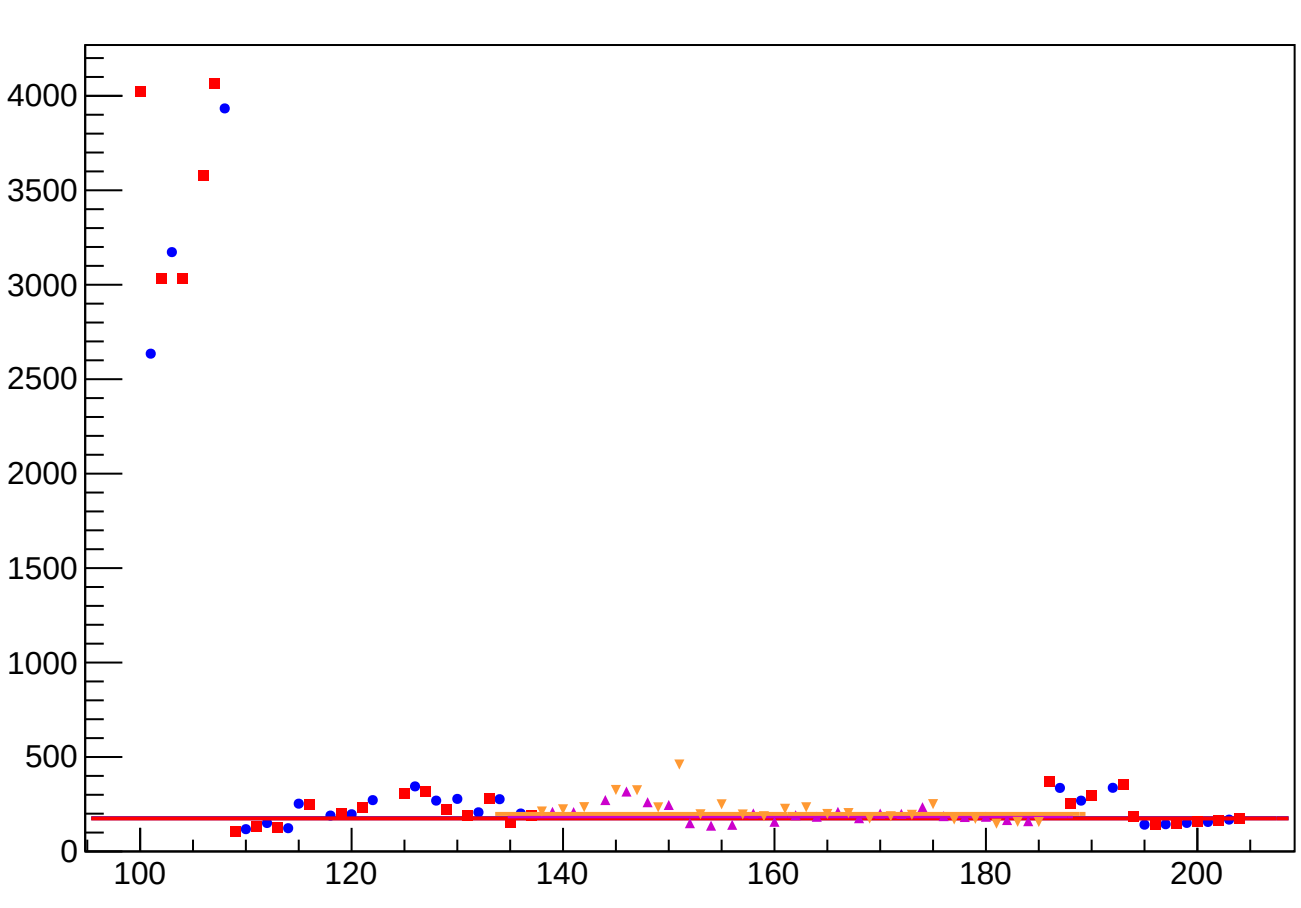
Left: 124.489+/-32.858 χ^2/NDF: 19.6/46

Right: -160.604+/-37.108 χ^2/NDF: 46.4/51

In: 13.116+/-34.664 χ^2/NDF:48.2/46

Out: -14.929+/-34.917 χ^2/NDF:50.6/51

All: -0.804+/-24.600 χ^2/NDF: 99.1/98



Right In: 175.916+/-0.038 χ^2/NDF: 4812377.5/23

Left Out: 198.736+/-0.034 χ^2/NDF:1786406.6/23

Right Out: 174.737+/-0.036 χ^2/NDF: 5321416.1/27

Left In: 185.871+/-0.032 χ^2/NDF:1405525.2/22

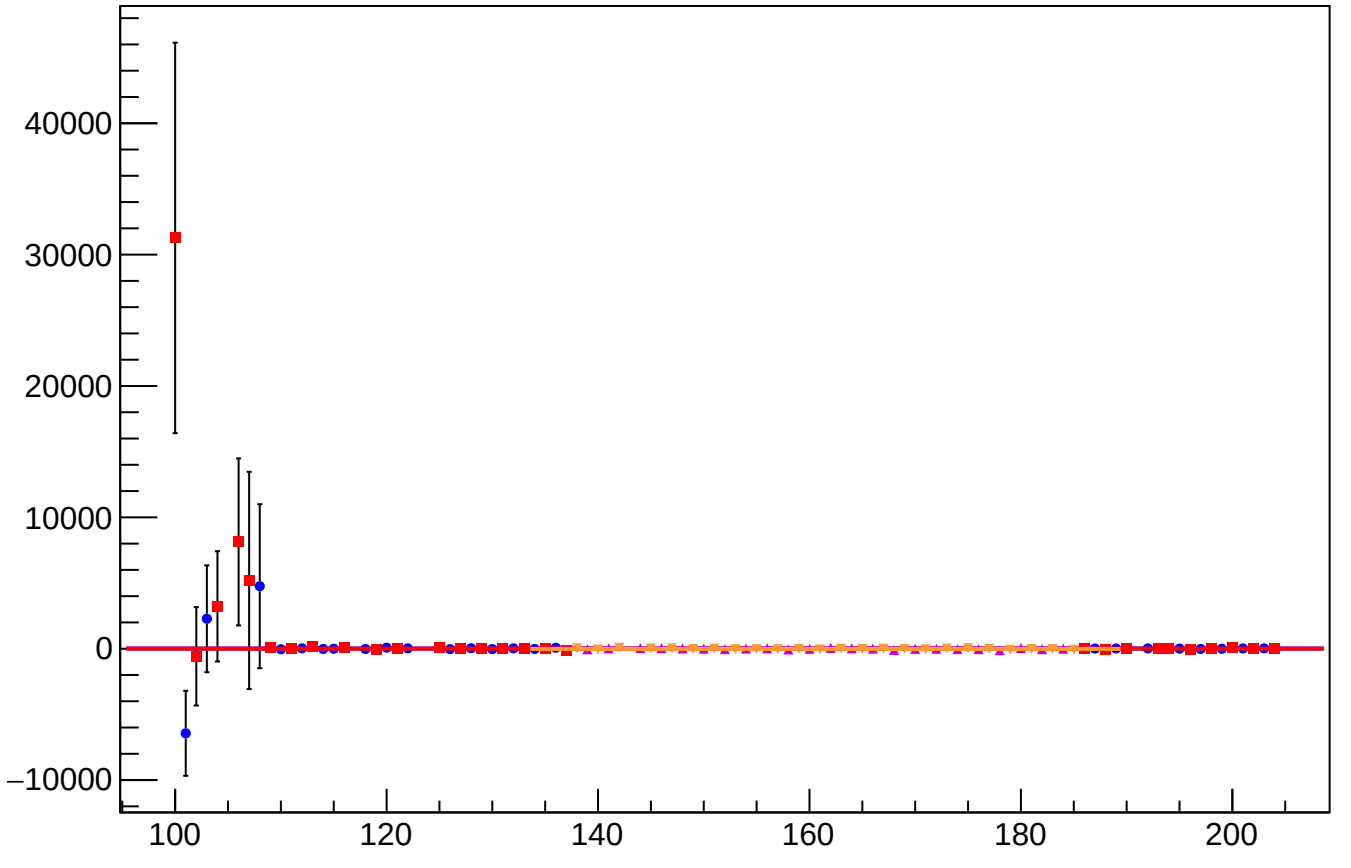
Left: 191.937+/-0.023 χ^2/NDF: 3268326.7/46

Right: 175.294+/-0.026 χ^2/NDF: 10134296.9/51

In: 181.772+/-0.025 χ^2/NDF:6257858.3/46

Out: 187.515+/-0.025 χ^2/NDF:7343024.8/51

All: 184.623+/-0.017 χ^2/NDF: 13628137.0/98



Right In: 11.263+/-8.944 χ^2/NDF: 17.0/23

Left Out: -18.187+/-7.260 χ^2/NDF:20.3/23

Right Out: 8.110+/-8.446 χ^2/NDF: 36.8/27

Left In: -2.709+/-7.348 χ^2/NDF:35.5/22

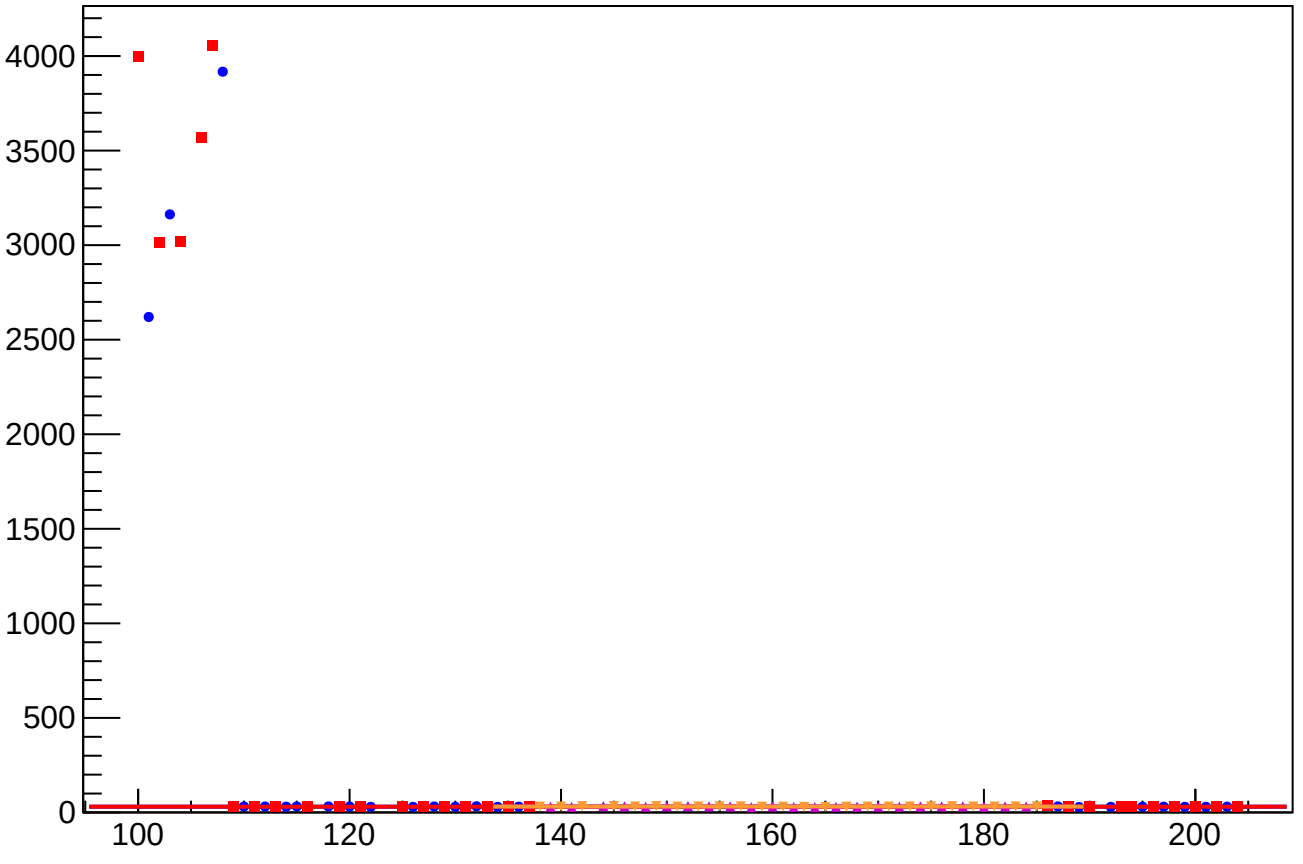
Left: -10.542+/-5.164 χ^2/NDF: 58.1/46

Right: 9.596+/-6.141 χ^2/NDF: 53.9/51

In: 2.921+/-5.677 χ^2/NDF:54.0/46

Out: -7.014+/-5.505 χ^2/NDF:62.7/51

All: -2.199+/-3.952 χ^2/NDF: 118.2/98



Right In: 30.437+/-0.006 χ^2/NDF: 3263263.6/23

Left Out: 31.221+/-0.005 χ^2/NDF:47423.0/23

Right Out: 30.407+/-0.006 χ^2/NDF: 3559222.3/27

Left In: 31.379+/-0.005 χ^2/NDF:85229.7/22

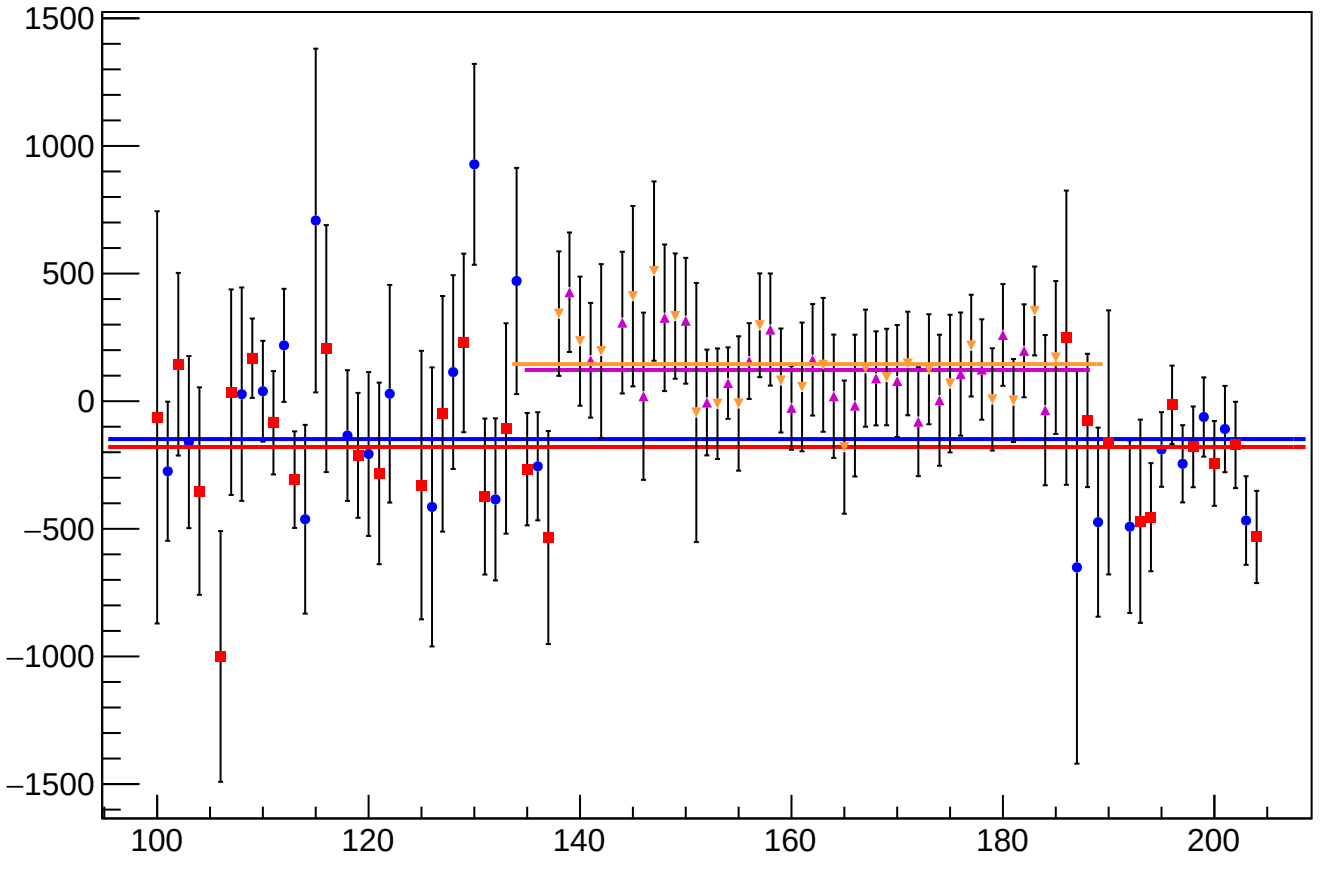
Left: 31.299+/-0.004 χ^2/NDF: 133120.3/46

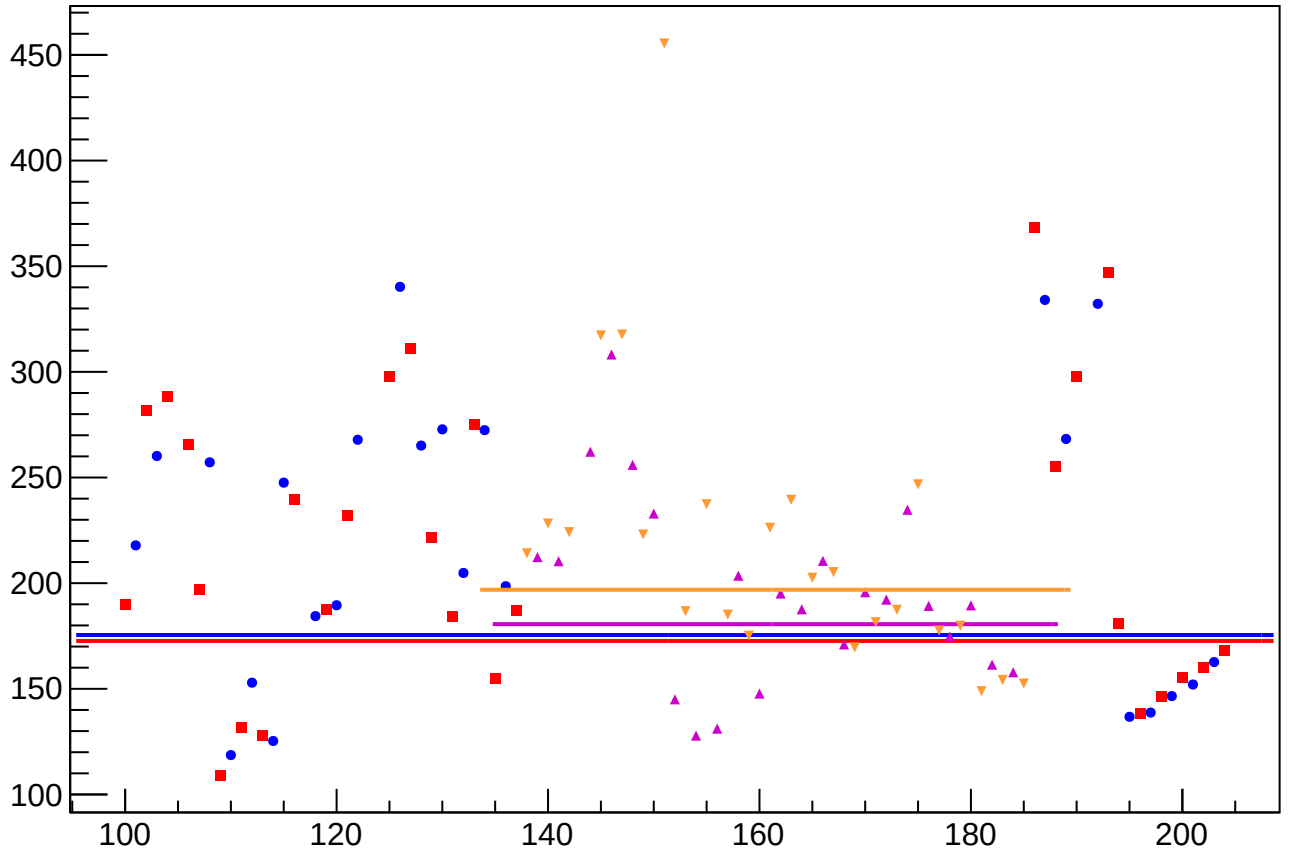
Right: 30.421+/-0.004 χ^2/NDF: 6822497.8/51

In: 30.999+/-0.004 χ^2/NDF:3361764.1/46

Out: 30.875+/-0.004 χ^2/NDF:3617350.3/51

All: 30.935+/-0.003 χ^2/NDF: 6979607.5/98


asym_bcm_dg_us_an_us_avg_mean vs Slug, Sign Corrected
1500
1000
500
0
−500
−1000
−1500
100
120
140
160
180
200
Right In: -148.374+/-50.899 χ²/NDF: 24.0/23
Left Out: 145.314+/-47.390 χ²/NDF:9.4/23
Right Out: -179.404+/-47.569 χ²/NDF: 21.4/27
Left In: 122.376+/-44.081 χ²/NDF:7.9/22
Left: 133.016+/-32.277 χ²/NDF: 17.4/46
Right: -164.937+/-34.754 χ²/NDF: 45.6/51
In: 6.336+/-33.322 χ²/NDF:48.1/46
Out: -16.434+/-33.573 χ²/NDF:54.1/51
All: -4.964+/-23.650 χ²/NDF: 102.4/98



Right In: 175.467+/-0.036 χ^2/NDF: 2167687.6/23

Left Out: 196.873+/-0.034 χ^2/NDF:1725106.9/23

Right Out: 172.665+/-0.034 χ^2/NDF: 2657717.8/27

Left In: 180.601+/-0.031 χ^2/NDF:1628072.3/22

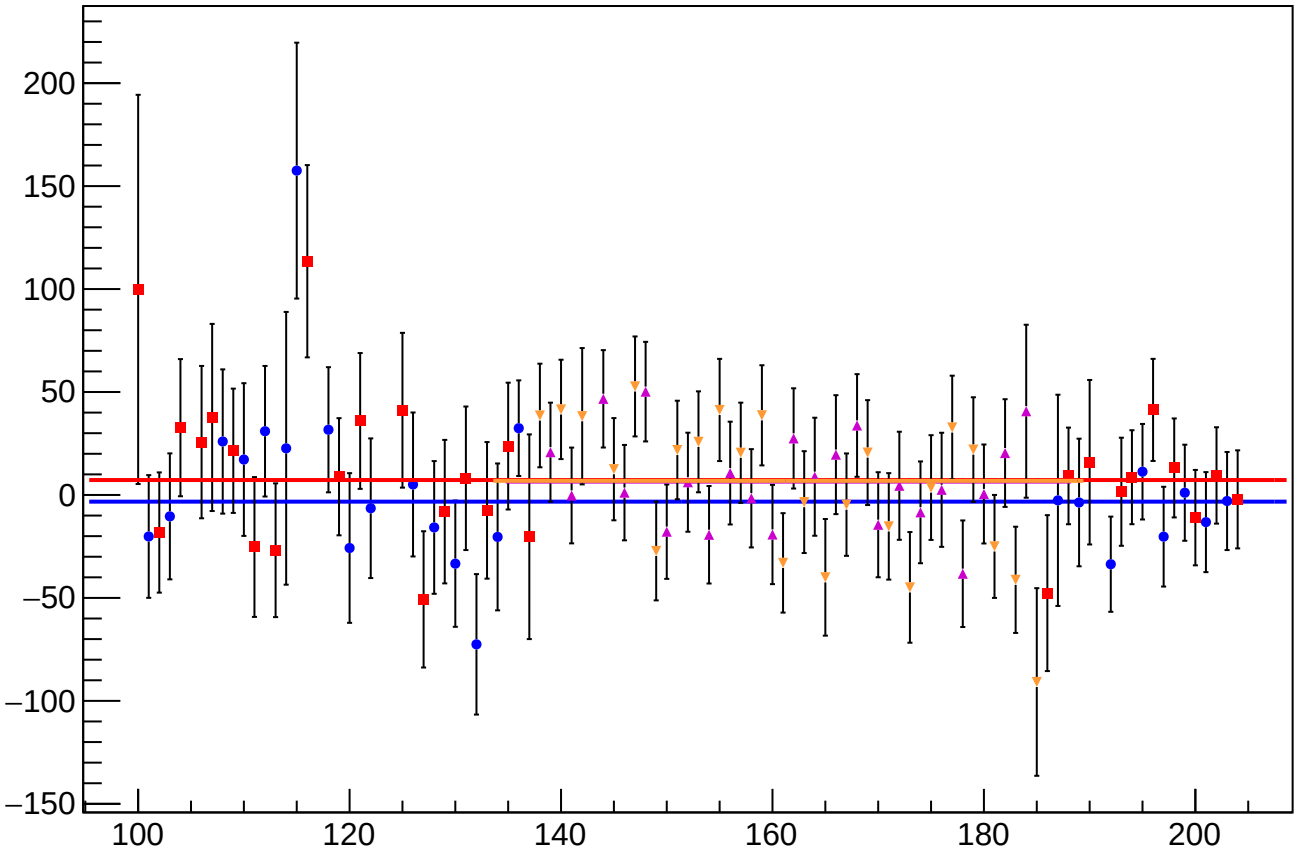
Left: 188.149+/-0.023 χ^2/NDF: 3479589.1/46

Right: 173.972+/-0.025 χ^2/NDF: 4828640.0/51

In: 178.401+/-0.024 χ^2/NDF:3807389.1/46

Out: 184.815+/-0.024 χ^2/NDF:4642773.6/51

All: 181.584+/-0.017 χ^2/NDF: 8486933.8/98



Right In: -3.245+/-6.152 χ^2/NDF: 21.8/23

Left Out: 6.857+/-5.229 χ^2/NDF:36.8/23

Right Out: 7.248+/-5.784 χ^2/NDF: 21.0/27

Left In: 6.482+/-5.247 χ^2/NDF:17.4/22

Left: 6.670+/-3.704 χ^2/NDF: 54.3/46

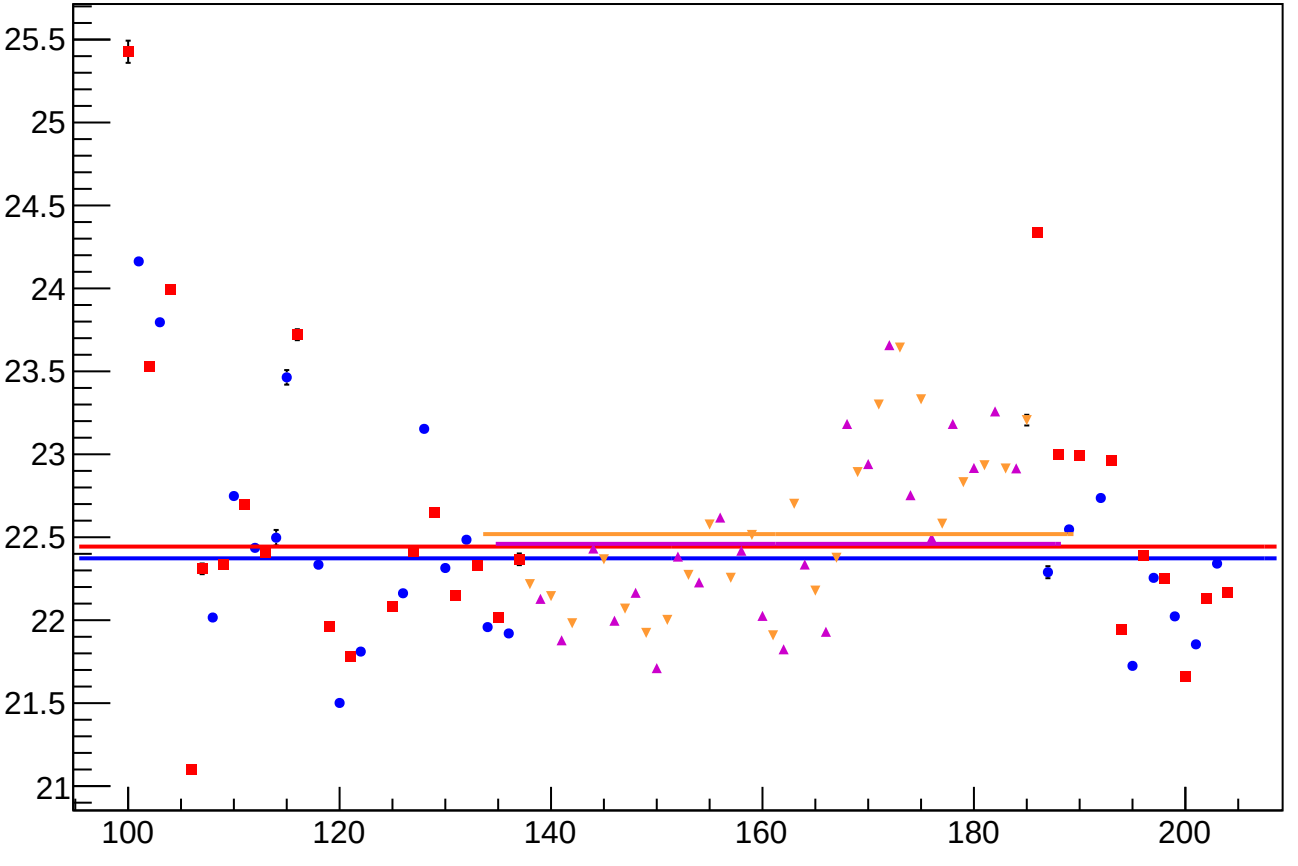
Right: 2.324+/-4.214 χ^2/NDF: 44.3/51

In: 2.386+/-3.992 χ^2/NDF:40.7/46

Out: 7.033+/-3.879 χ^2/NDF:57.8/51

All: 4.776+/-2.782 χ^2/NDF: 99.2/98

asym_bcm_dg_us_an_us_dd_rms vs Slug, Sign Corrected



Right In: 22.373+/-0.004 χ^2/NDF: 20132.5/23

Left Out: 22.519+/-0.004 χ^2/NDF:15998.2/23

Right Out: 22.444+/-0.004 χ^2/NDF: 26872.1/27

Left In: 22.460+/-0.004 χ^2/NDF:19117.2/22

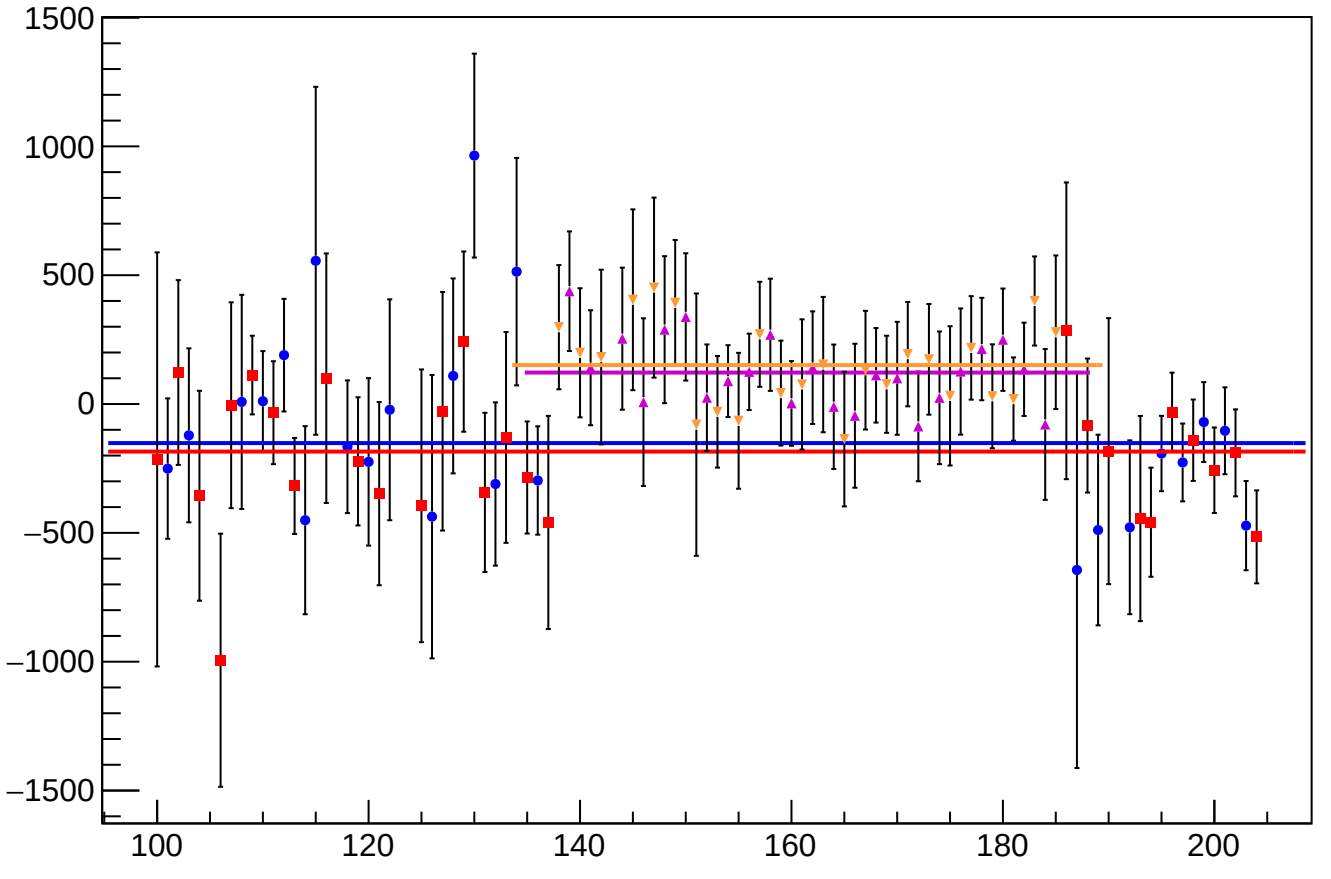
Left: 22.490+/-0.003 χ^2/NDF: 35241.2/46

Right: 22.410+/-0.003 χ^2/NDF: 47145.3/51

In: 22.423+/-0.003 χ^2/NDF:39483.0/46

Out: 22.485+/-0.003 χ^2/NDF:43056.7/51

All: 22.455+/-0.002 χ^2/NDF: 82785.3/98



Right In: -151.570+/-50.750 χ^2/NDF: 23.3/23

Left Out: 151.108+/-47.316 χ^2/NDF:10.0/23

Right Out: -184.507+/-47.350 χ^2/NDF: 19.5/27

Left In: 122.165+/-44.006 χ^2/NDF:7.5/22

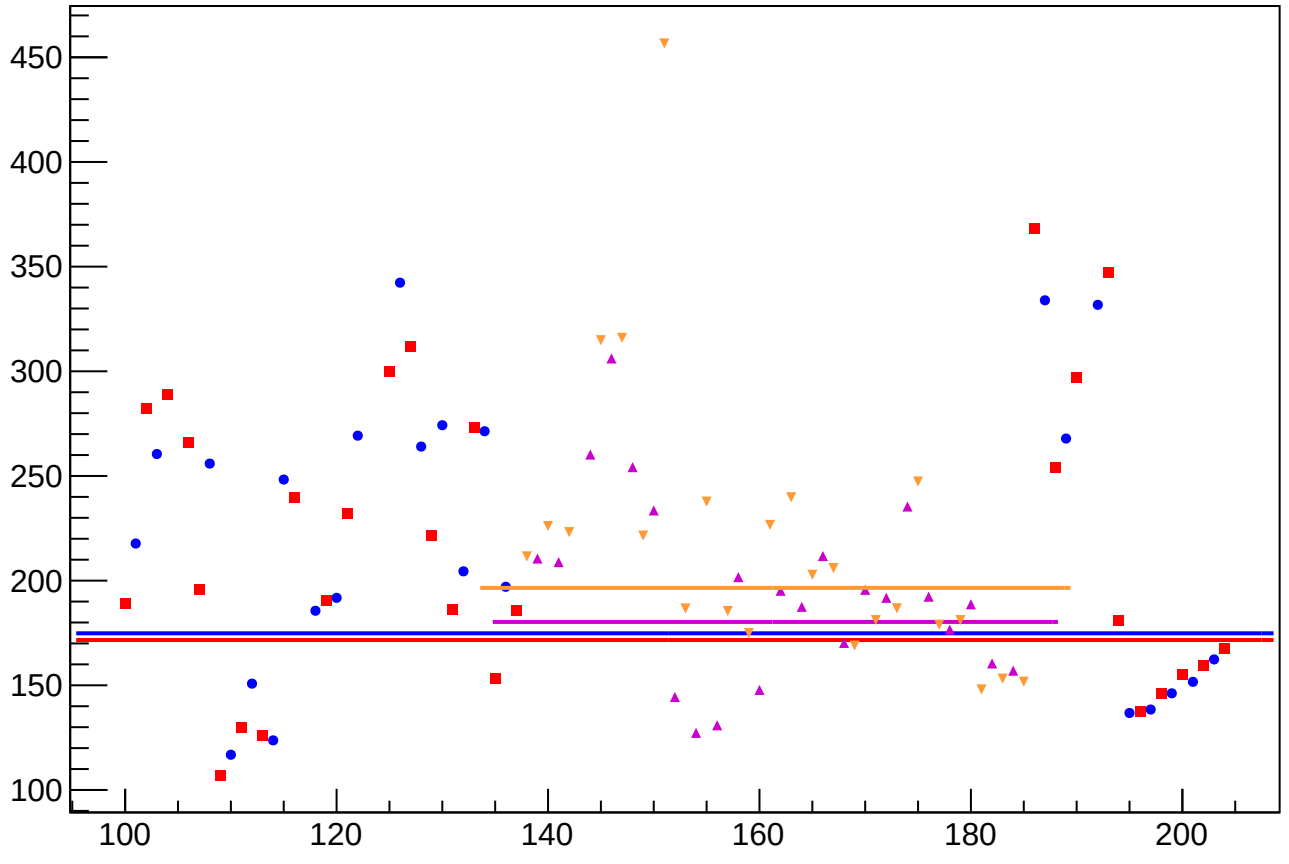
Left: 135.589+/-32.224 χ^2/NDF: 17.6/46

Right: -169.179+/-34.621 χ^2/NDF: 43.1/51

In: 4.681+/-33.248 χ^2/NDF:47.4/46

Out: -16.580+/-33.469 χ^2/NDF:54.6/51

All: -5.879+/-23.588 χ^2/NDF: 102.2/98



Right In: 174.839+/-0.036 χ^2/NDF: 2197765.7/23

Left Out: 196.533+/-0.033 χ^2/NDF:1727888.6/23

Right Out: 171.633+/-0.033 χ^2/NDF: 2728530.7/27

Left In: 180.274+/-0.031 χ^2/NDF:1624682.7/22

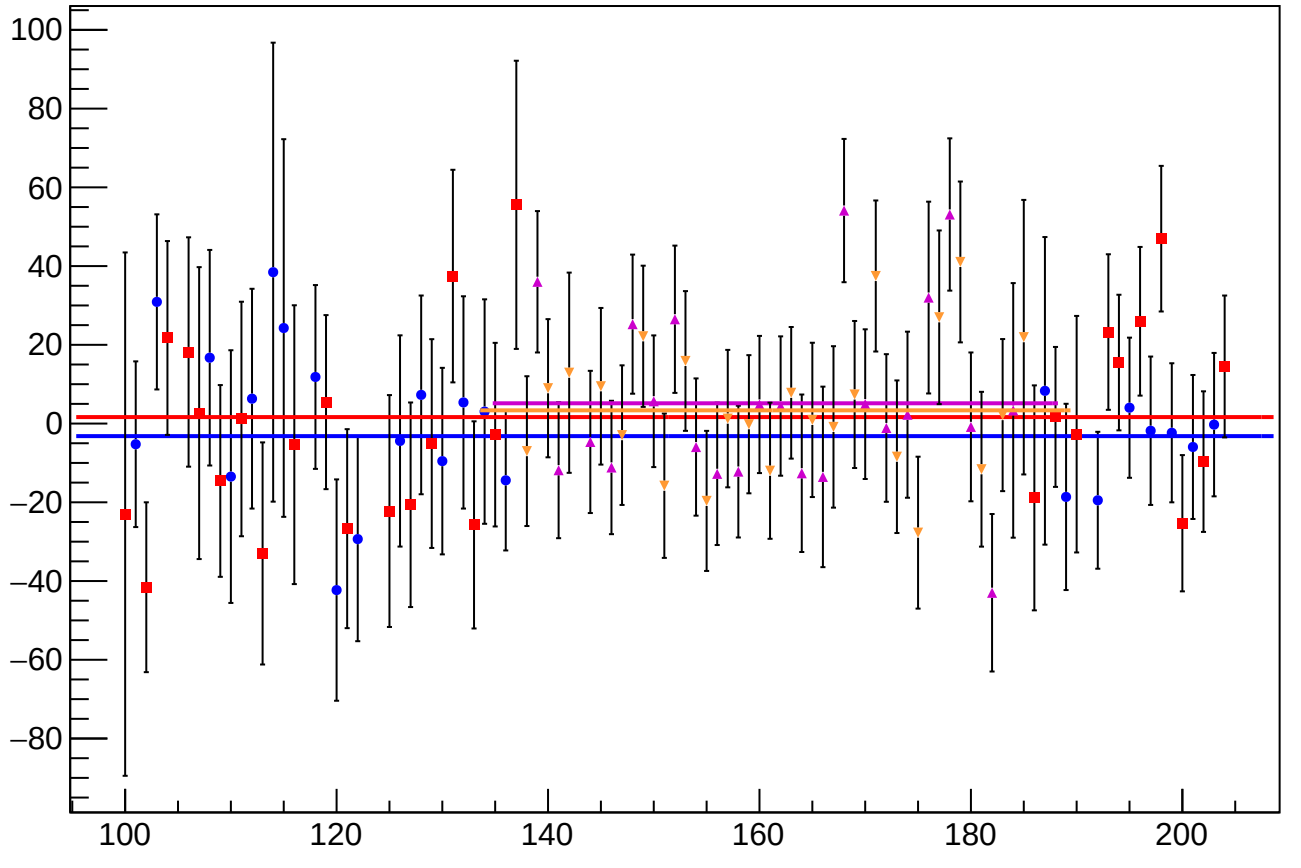
Left: 187.815+/-0.023 χ^2/NDF: 3479198.8/46

Right: 173.125+/-0.024 χ^2/NDF: 4930563.1/51

In: 177.942+/-0.024 χ^2/NDF:3835543.2/46

Out: 184.092+/-0.024 χ^2/NDF:4733166.1/51

All: 180.996+/-0.017 χ^2/NDF: 8602704.1/98



Right In: -3.191+/-4.735 χ^2/NDF: 9.7/23

Left Out: 3.359+/-3.905 χ^2/NDF:17.7/23

Right Out: 1.644+/-4.446 χ^2/NDF: 28.3/27

Left In: 5.150+/-3.924 χ^2/NDF:32.3/22

Left: 4.250+/-2.768 χ^2/NDF: 50.1/46

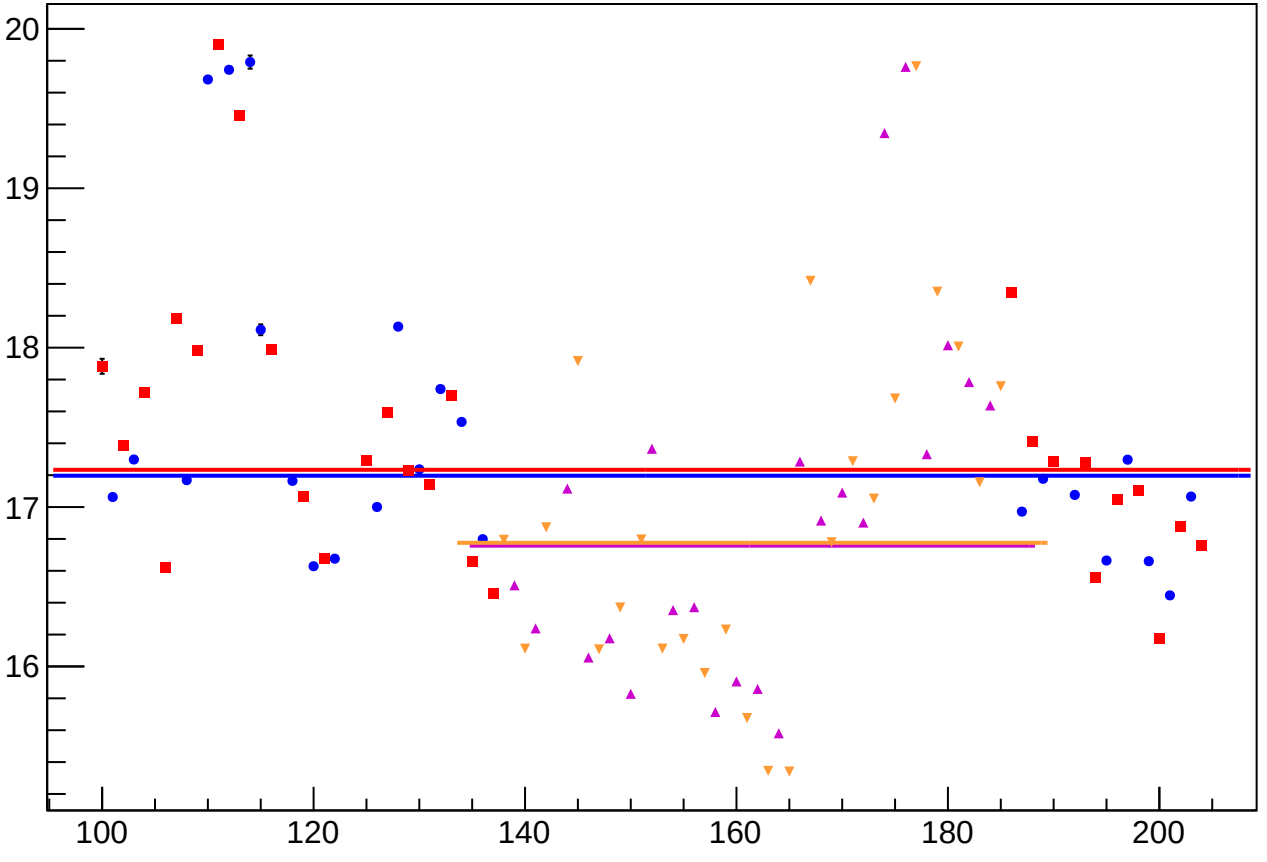
Right: -0.622+/-3.241 χ^2/NDF: 38.6/51

In: 1.754+/-3.021 χ^2/NDF:43.8/46

Out: 2.612+/-2.934 χ^2/NDF:46.1/51

All: 2.196+/-2.105 χ^2/NDF: 90.0/98

asym_bcm_dg_ds_an_us_dd_rms vs Slug, Sign Corrected



Right In: 17.197+/-0.003 χ^2/NDF: 47363.8/23

Left Out: 16.776+/-0.003 χ^2/NDF:136142.5/23

Right Out: 17.234+/-0.003 χ^2/NDF: 55098.0/27

Left In: 16.758+/-0.003 χ^2/NDF:123306.8/22

Left: 16.767+/-0.002 χ^2/NDF: 259470.4/46

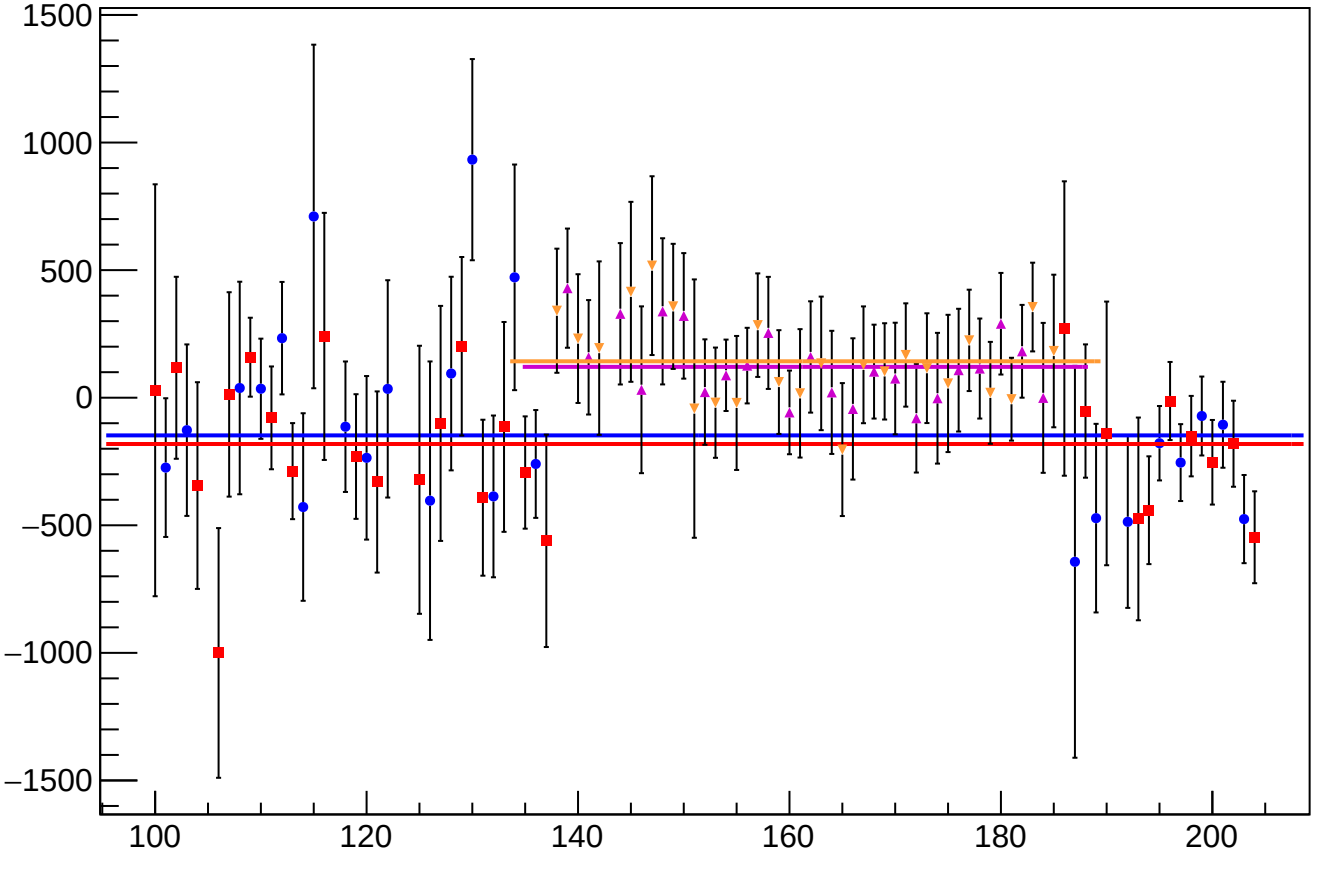
Right: 17.216+/-0.002 χ^2/NDF: 102527.1/51

In: 16.936+/-0.002 χ^2/NDF:180856.4/46

Out: 16.975+/-0.002 χ^2/NDF:203222.6/51

All: 16.956+/-0.001 χ^2/NDF: 384247.6/98

asym_bcm_dg_us_an_ds_avg_mean vs Slug, Sign Corrected



Right In: -147.686+/-50.738 χ^2/NDF: 24.4/23

Left Out: 142.696+/-47.288 χ^2/NDF:10.2/23

Right Out: -181.462+/-47.429 χ^2/NDF: 21.7/27

Left In: 120.888+/-43.994 χ^2/NDF:8.2/22

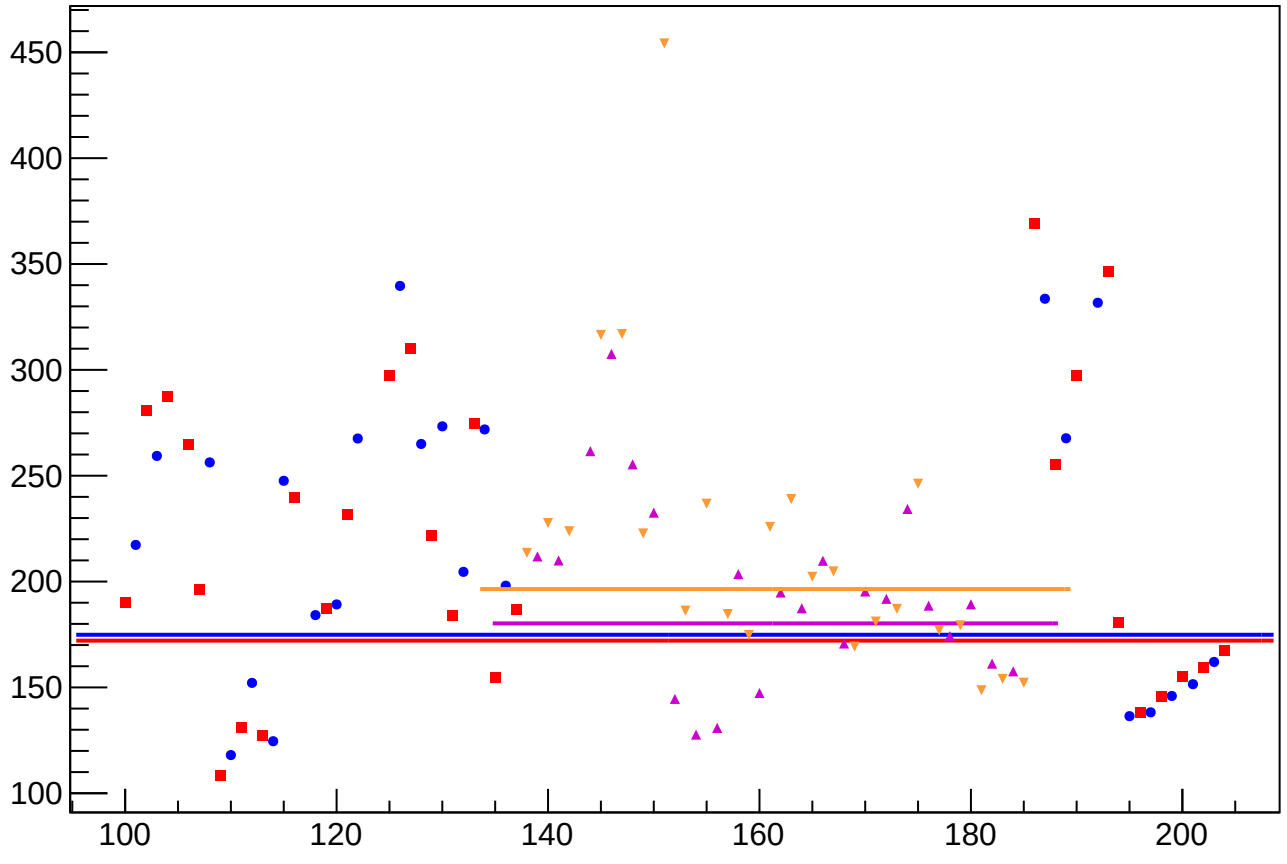
Left: 131.006+/-32.210 χ^2/NDF: 18.5/46

Right: -165.711+/-34.648 χ^2/NDF: 46.3/51

In: 5.622+/-33.239 χ^2/NDF:48.6/46

Out: -18.900+/-33.487 χ^2/NDF:55.3/51

All: -6.548+/-23.591 χ^2/NDF: 104.2/98



Right In: 174.864+/-0.036 χ^2/NDF: 2181103.3/23

Left Out: 196.452+/-0.033 χ^2/NDF:1723529.1/23

Right Out: 172.104+/-0.034 χ^2/NDF: 2674638.1/27

Left In: 180.248+/-0.031 χ^2/NDF:1627777.0/22

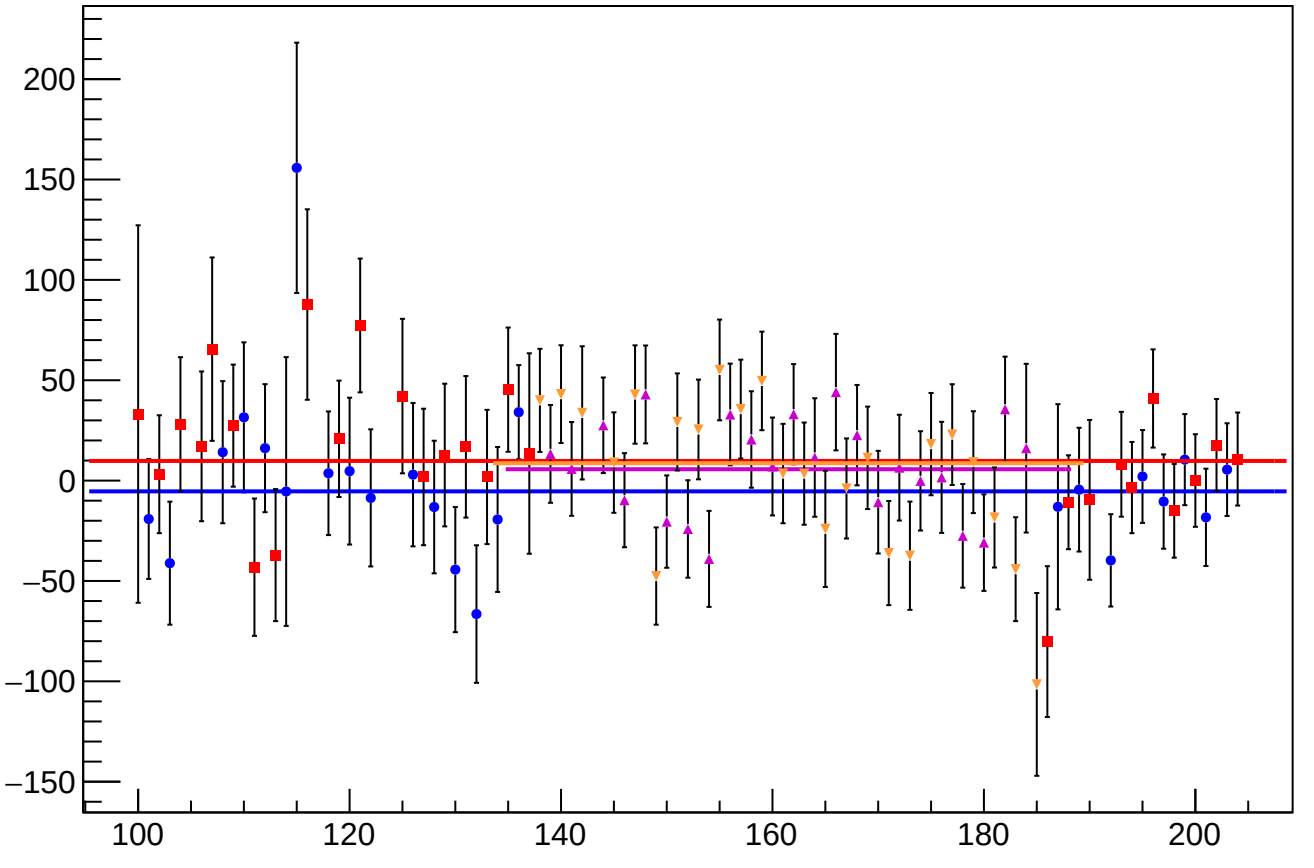
Left: 187.766+/-0.023 χ^2/NDF: 3477190.3/46

Right: 173.391+/-0.024 χ^2/NDF: 4858900.0/51

In: 177.937+/-0.024 χ^2/NDF:3821735.1/46

Out: 184.314+/-0.024 χ^2/NDF:4662491.3/51

All: 181.102+/-0.017 χ^2/NDF: 8520759.4/98



Right In: -5.359+/-6.141 χ^2/NDF: 21.4/23

Left Out: 8.664+/-5.275 χ^2/NDF:39.2/23

Right Out: 9.790+/-5.778 χ^2/NDF: 26.0/27

Left In: 5.668+/-5.286 χ^2/NDF:20.8/22

Left: 7.169+/-3.734 χ^2/NDF: 60.1/46

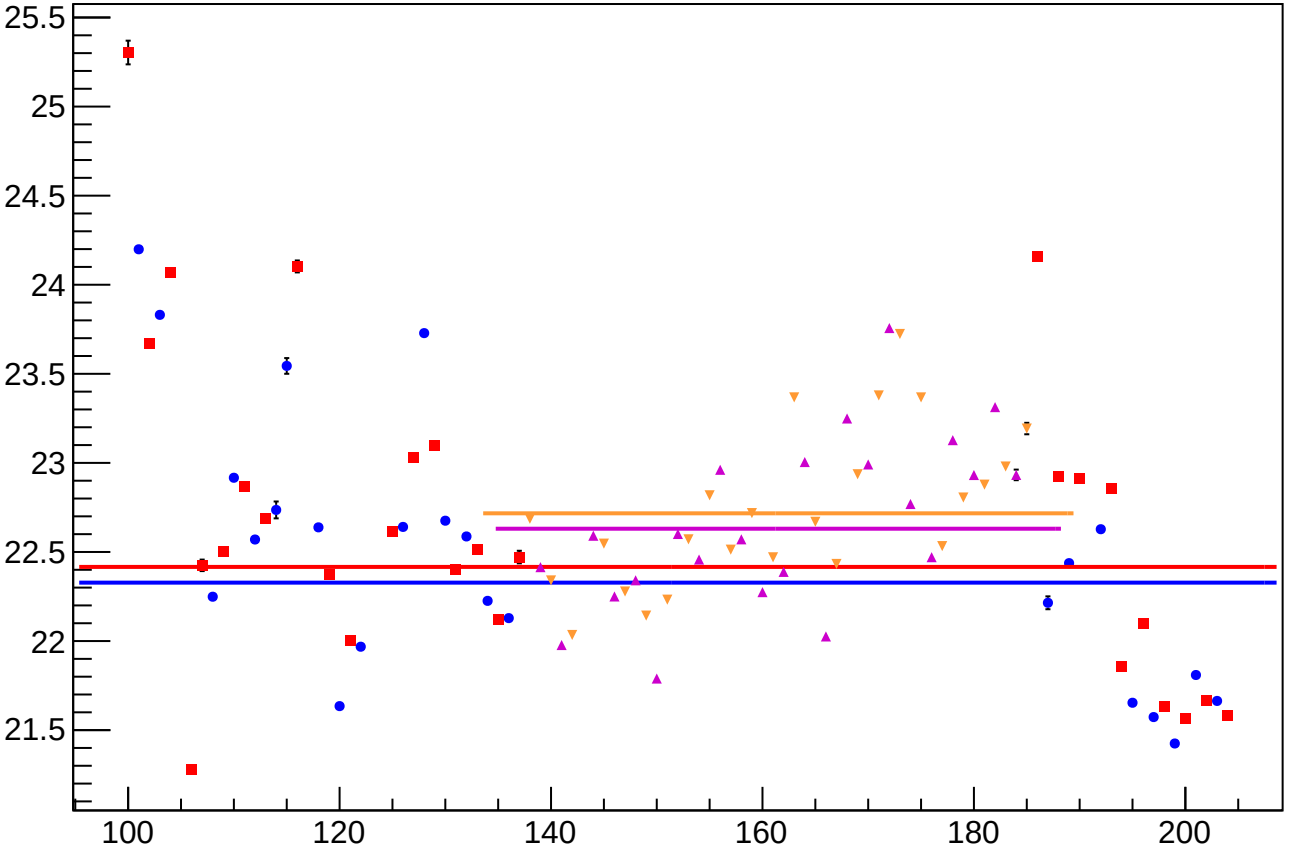
Right: 2.677+/-4.208 χ^2/NDF: 50.6/51

In: 0.975+/-4.006 χ^2/NDF:44.1/46

Out: 9.176+/-3.896 χ^2/NDF:65.2/51

All: 5.190+/-2.793 χ^2/NDF: 111.4/98

asym_bcm_dg_us_an_ds_dd_rms vs Slug, Sign Corrected



Right In: 22.328+/-0.004 χ^2/NDF: 29423.1/23

Left Out: 22.717+/-0.004 χ^2/NDF:12177.5/23

Right Out: 22.416+/-0.004 χ^2/NDF: 34633.8/27

Left In: 22.631+/-0.004 χ^2/NDF:15391.4/22

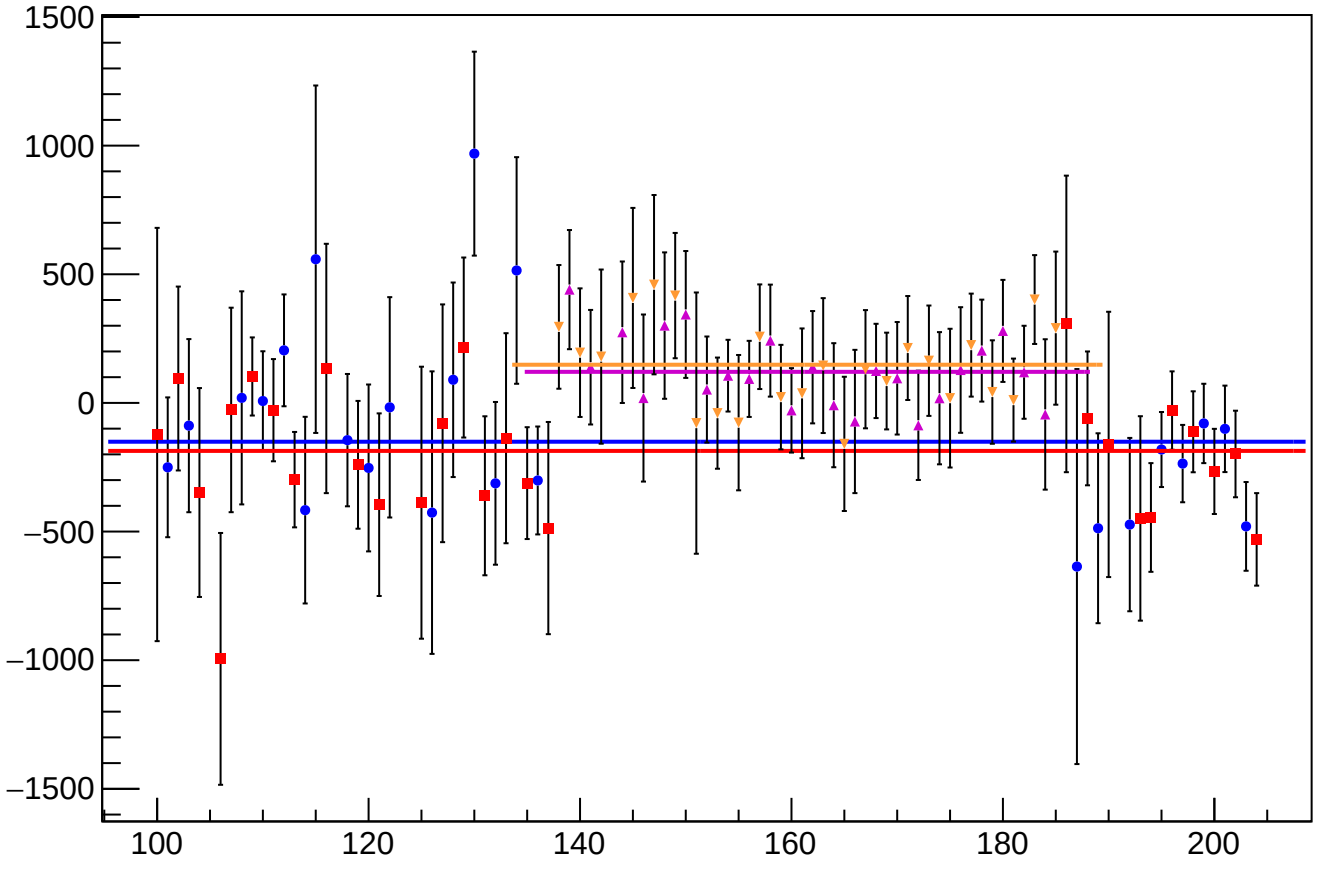
Left: 22.674+/-0.003 χ^2/NDF: 27836.8/46

Right: 22.375+/-0.003 χ^2/NDF: 64276.0/51

In: 22.502+/-0.003 χ^2/NDF:47604.3/46

Out: 22.580+/-0.003 χ^2/NDF:49768.0/51

All: 22.542+/-0.002 χ^2/NDF: 97767.0/98



Right In: -150.855+/-50.587 χ^2/NDF: 23.7/23

Left Out: 148.424+/-47.213 χ^2/NDF:10.9/23

Right Out: -186.538+/-47.208 χ^2/NDF: 19.9/27

Left In: 120.760+/-43.920 χ^2/NDF:7.9/22

Left: 133.593+/-32.157 χ^2/NDF: 19.0/46

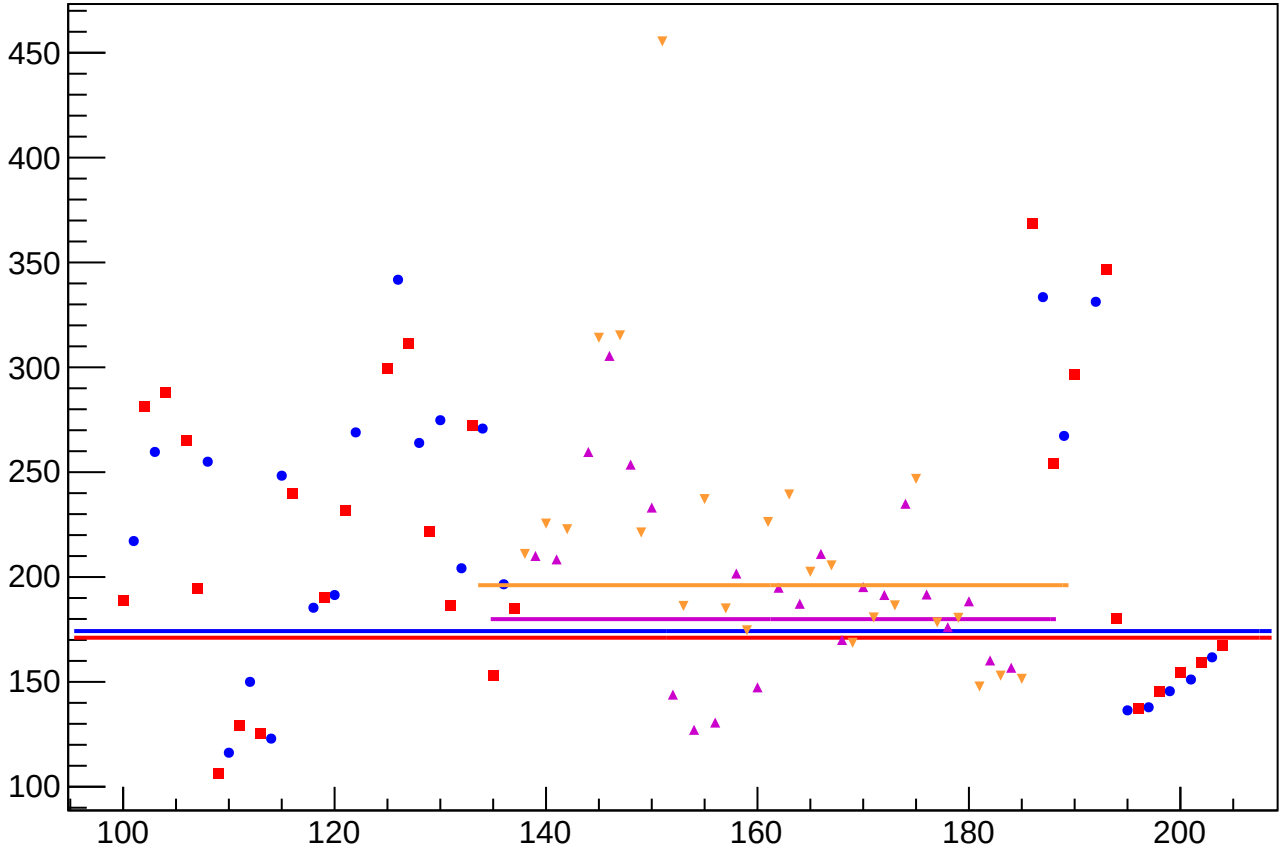
Right: -169.928+/-34.514 χ^2/NDF: 43.9/51

In: 4.020+/-33.165 χ^2/NDF:48.0/46

Out: -19.076+/-33.383 χ^2/NDF:56.0/51

All: -7.453+/-23.528 χ^2/NDF: 104.3/98

asym_bcm_dg_ds_an_ds_avg_rms vs Slug, Sign Corrected



Right In: 174.230+/-0.036 χ^2/NDF: 2211716.9/23

Left Out: 196.112+/-0.033 χ^2/NDF:1726285.1/23

Right Out: 171.064+/-0.033 χ^2/NDF: 2746332.8/27

Left In: 179.923+/-0.031 χ^2/NDF:1624144.3/22

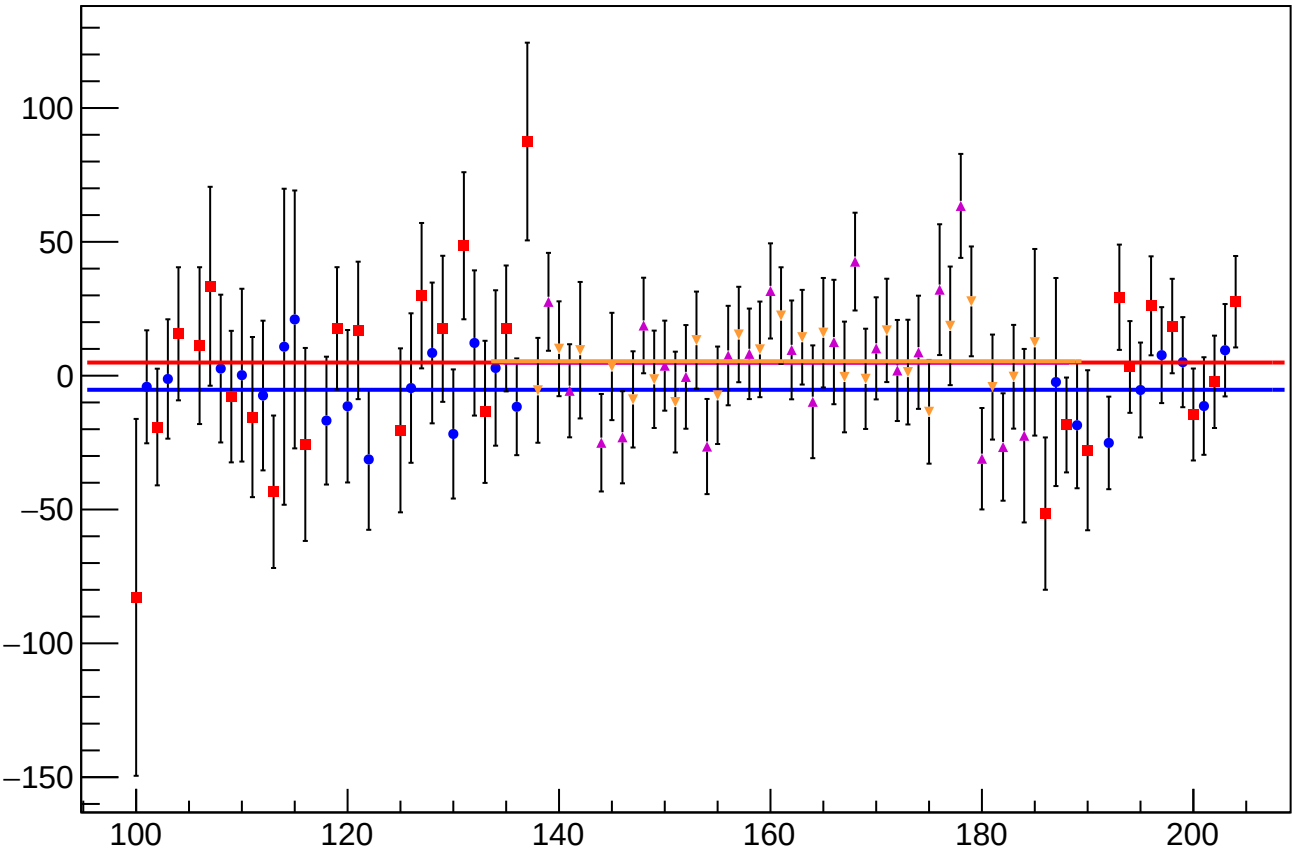
Left: 187.434+/-0.023 χ^2/NDF: 3476487.5/46

Right: 172.538+/-0.024 χ^2/NDF: 4962237.0/51

In: 177.476+/-0.023 χ^2/NDF:3850307.1/46

Out: 183.587+/-0.024 χ^2/NDF:4754122.2/51

All: 180.511+/-0.017 χ^2/NDF: 8638151.1/98



Right In: -5.269+/-4.713 χ^2/NDF: 6.5/23

Left Out: 5.406+/-3.972 χ^2/NDF:7.8/23

Right Out: 4.912+/-4.431 χ^2/NDF: 32.2/27

Left In: 4.858+/-3.980 χ^2/NDF:35.5/22

Left: 5.133+/-2.812 χ^2/NDF: 43.3/46

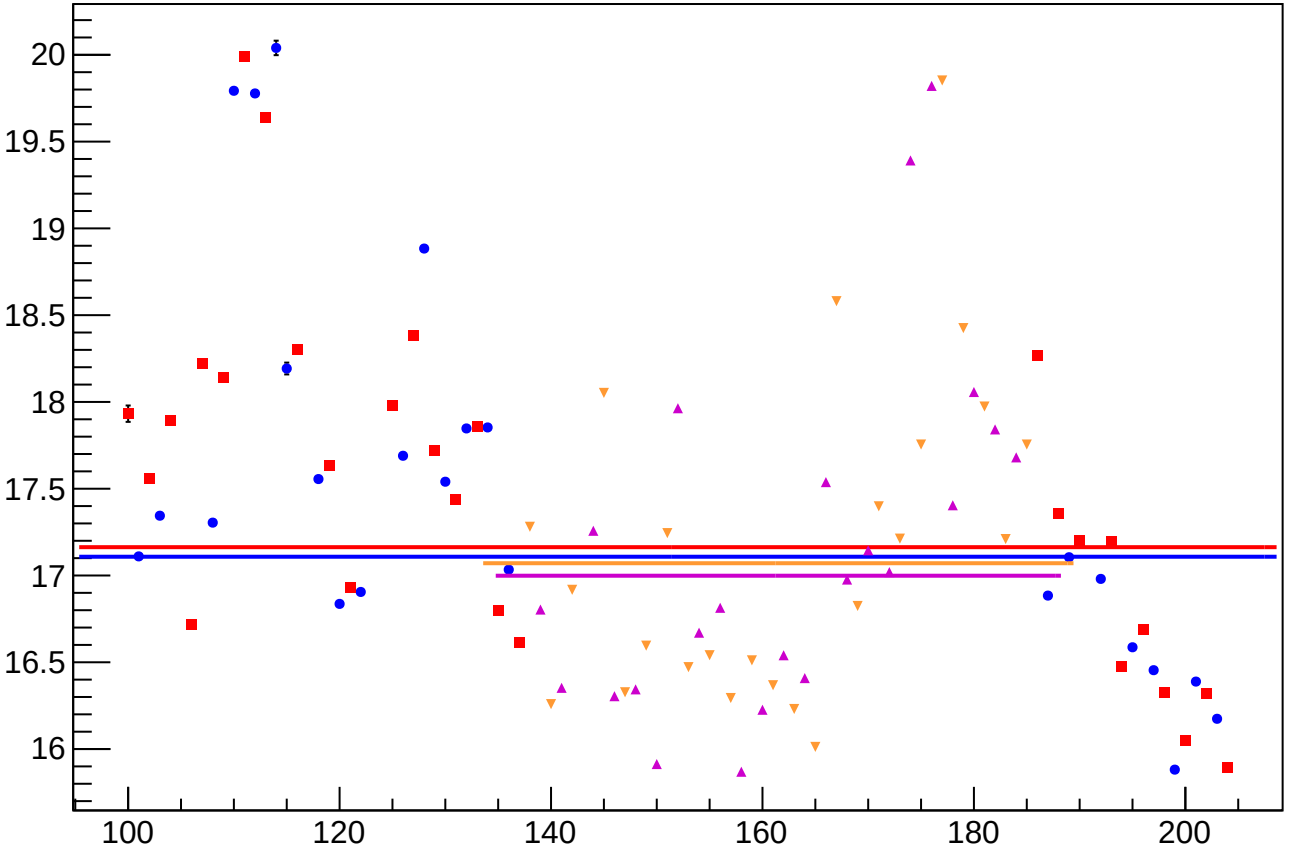
Right: 0.135+/-3.228 χ^2/NDF: 41.2/51

In: 0.642+/-3.041 χ^2/NDF:44.7/46

Out: 5.186+/-2.958 χ^2/NDF:40.0/51

All: 2.977+/-2.120 χ^2/NDF: 85.9/98

asym_bcm_dg_ds_an_ds_dd_rms vs Slug, Sign Corrected



Right In: 17.108+/-0.003 χ^2/NDF: 76971.1/23

Left Out: 17.071+/-0.003 χ^2/NDF:96312.6/23

Right Out: 17.163+/-0.003 χ^2/NDF: 89123.7/27

Left In: 16.999+/-0.003 χ^2/NDF:104021.0/22

Left: 17.035+/-0.002 χ^2/NDF: 200661.3/46

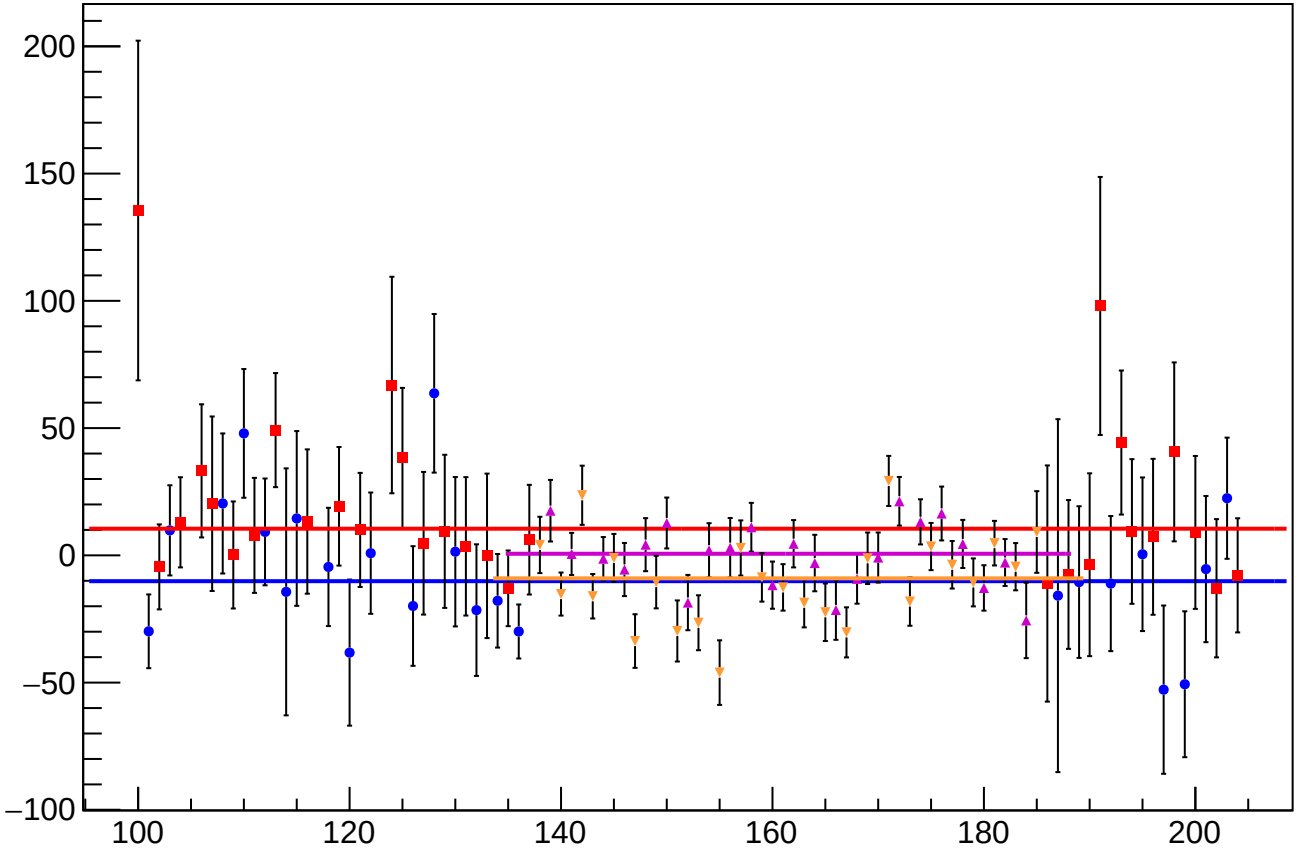
Right: 17.137+/-0.002 χ^2/NDF: 166239.9/51

In: 17.044+/-0.002 χ^2/NDF:181621.1/46

Out: 17.112+/-0.002 χ^2/NDF:185919.5/51

All: 17.079+/-0.001 χ^2/NDF: 368049.3/98

diff_bpm_4aX_4acX_avg_mean vs Slug, Sign Corrected



Right In: -10.148+/-4.688 χ^2/NDF: 27.7/23

Left Out: -9.027+/-2.006 χ^2/NDF:62.0/24

Right Out: 10.472+/-4.691 χ^2/NDF: 21.4/29

Left In: 0.628+/-2.079 χ^2/NDF:29.5/22

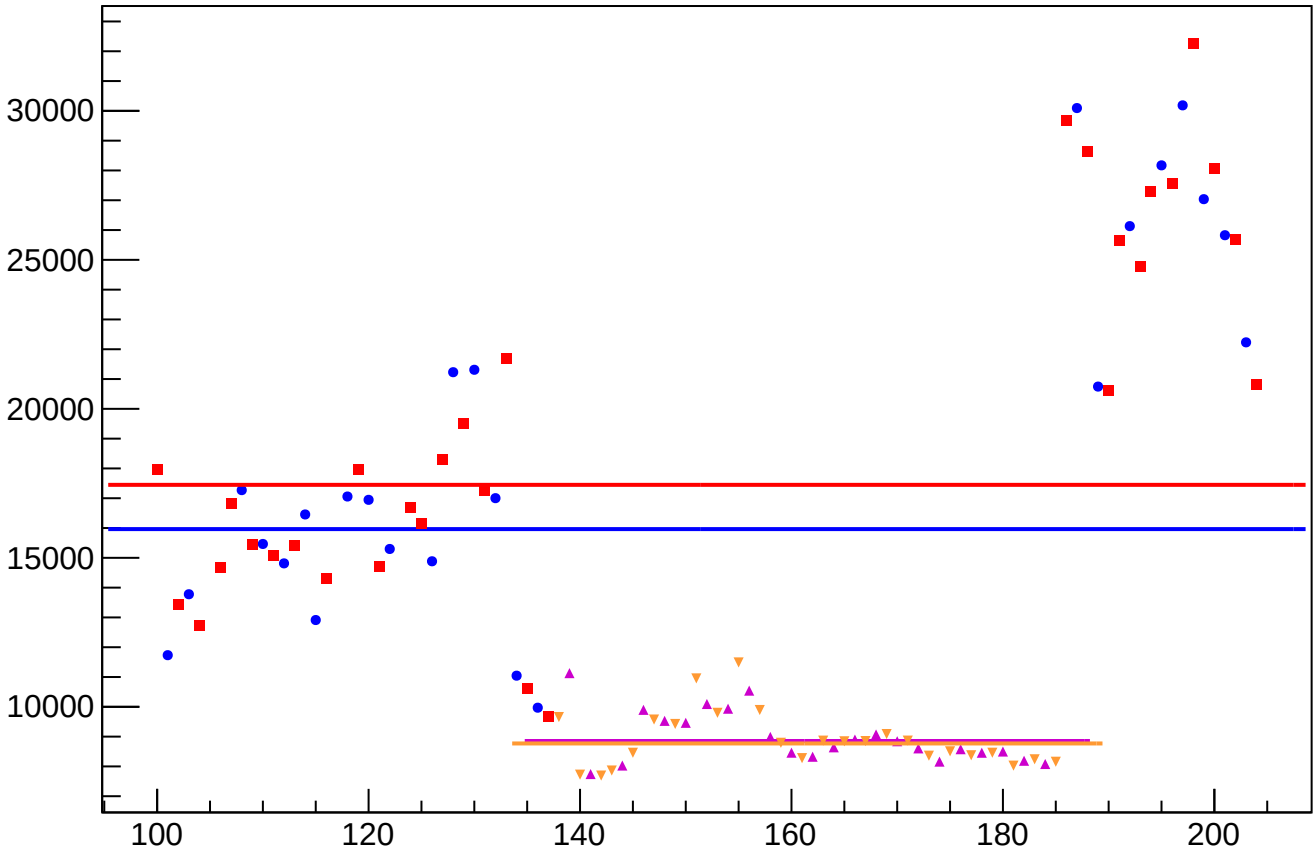
Left: -4.372+/-1.444 χ^2/NDF: 102.7/47

Right: 0.157+/-3.316 χ^2/NDF: 58.8/53

In: -1.143+/-1.901 χ^2/NDF:61.6/46

Out: -6.011+/-1.845 χ^2/NDF:98.0/54

All: -3.650+/-1.324 χ^2/NDF: 163.0/101



Right In: 15964.169+/-3.315 χ^2/NDF: 2946793.9/23

Left Out: 8770.330+/-1.419 χ^2/NDF:345180.6/24

Right Out: 17449.172+/-3.317 χ^2/NDF: 3049853.6/29

Left In: 8852.820+/-1.470 χ^2/NDF:299860.4/22

Left: 8810.105+/-1.021 χ^2/NDF: 646671.0/47

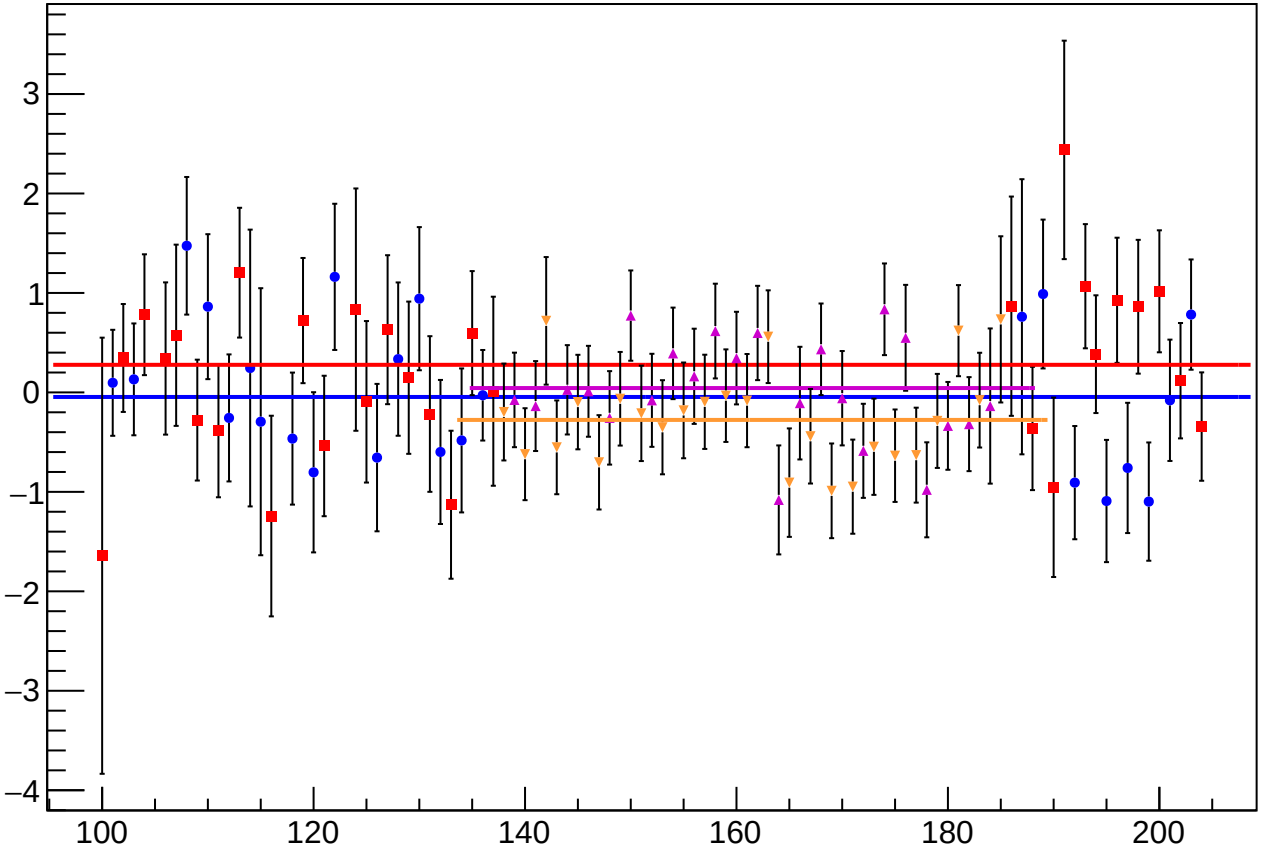
Right: 16706.265+/-2.345 χ^2/NDF: 6096930.7/53

In: 10021.766+/-1.344 χ^2/NDF:7092175.1/46

Out: 10112.709+/-1.304 χ^2/NDF:9182860.4/54

All: 10068.596+/-0.936 χ^2/NDF: 16277393.3

diff_bpm_4aX_4acX_dd_mean vs Slug, Sign Corrected



Right In: -0.046+/-0.137 χ^2/NDF: 28.5/23

Left Out: -0.277+/-0.097 χ^2/NDF:21.0/24

Right Out: 0.277+/-0.130 χ^2/NDF: 27.9/29

Left In: 0.044+/-0.100 χ^2/NDF:23.8/22

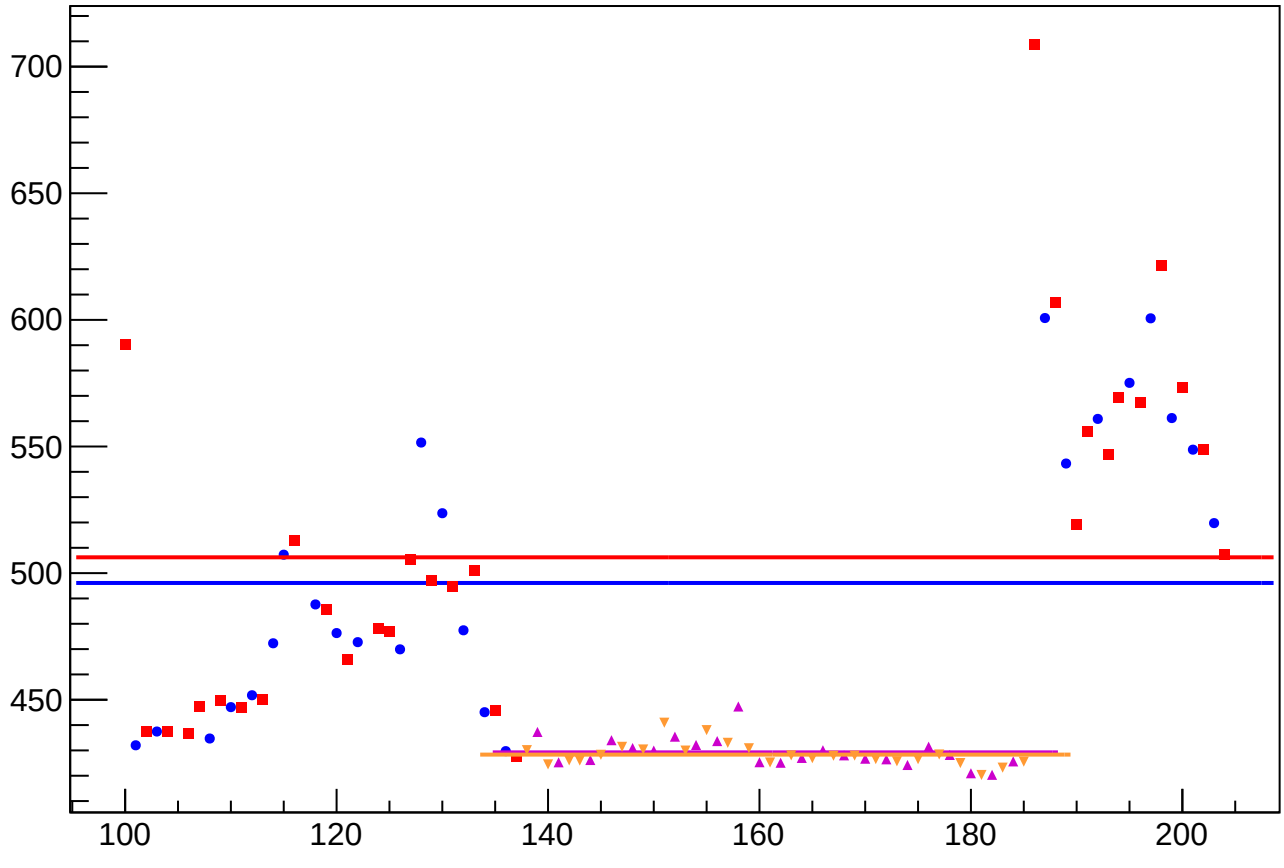
Left: -0.121+/-0.070 χ^2/NDF: 50.1/47

Right: 0.125+/-0.094 χ^2/NDF: 59.3/53

In: 0.013+/-0.081 χ^2/NDF:52.6/46

Out: -0.077+/-0.078 χ^2/NDF:60.6/54

All: -0.034+/-0.056 χ^2/NDF: 113.8/101



Right In: 496.119+/-0.097 χ^2/NDF: 330840.3/23

Left Out: 428.343+/-0.069 χ^2/NDF:4016.5/24

Right Out: 506.247+/-0.092 χ^2/NDF: 447024.9/29

Left In: 429.228+/-0.071 χ^2/NDF:6749.9/22

Left: 428.772+/-0.049 χ^2/NDF: 10846.7/47

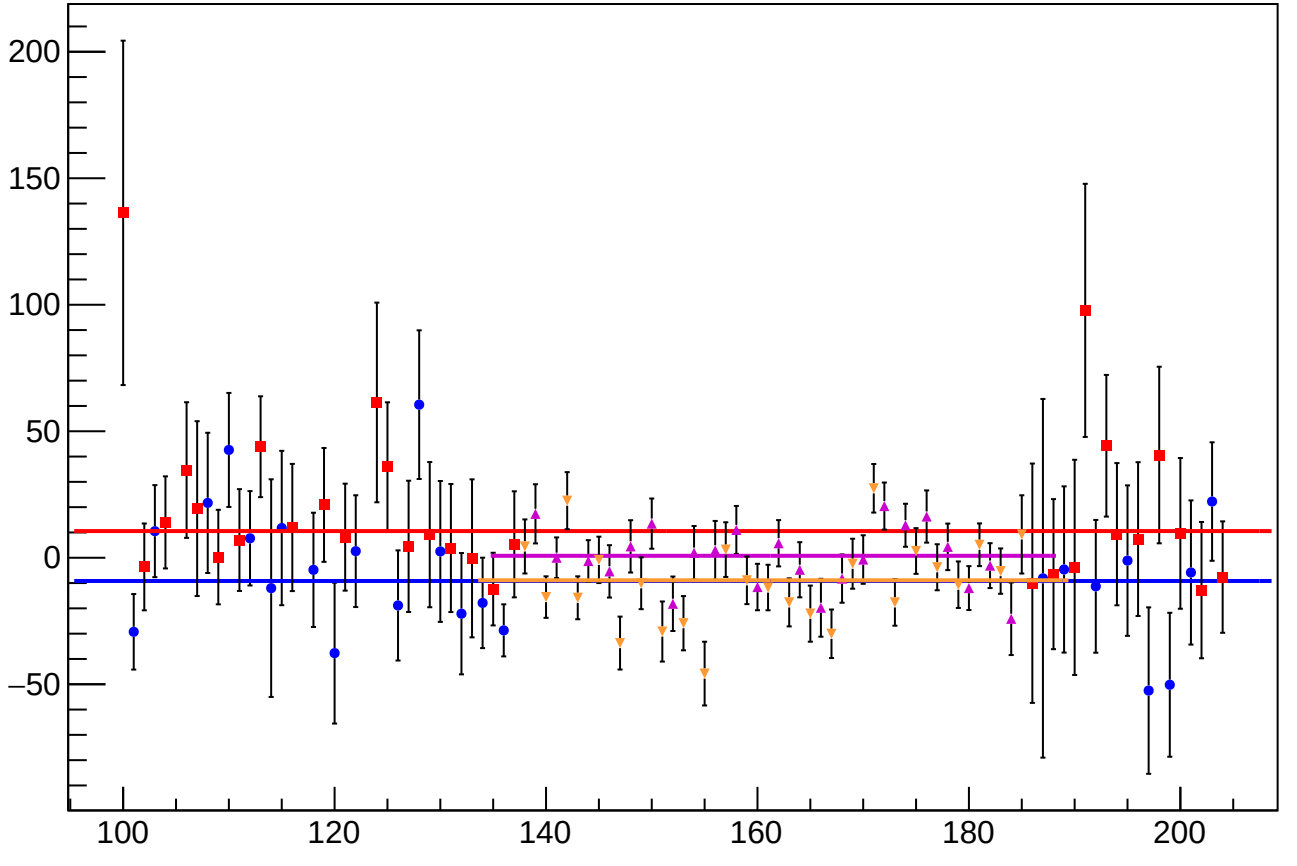
Right: 501.471+/-0.067 χ^2/NDF: 783617.7/53

In: 452.488+/-0.057 χ^2/NDF:647324.1/46

Out: 456.407+/-0.055 χ^2/NDF:912852.0/54

All: 454.524+/-0.040 χ^2/NDF: 1562611.8/101

diff_bpm_4aX_4eX_avg_mean vs Slug, Sign Corrected



Right In: -9.184+/-4.547 χ^2/NDF: 28.0/23

Left Out: -8.904+/-1.961 χ^2/NDF:61.6/24

Right Out: 10.548+/-4.534 χ^2/NDF: 21.2/29

Left In: 0.773+/-2.034 χ^2/NDF:29.3/22

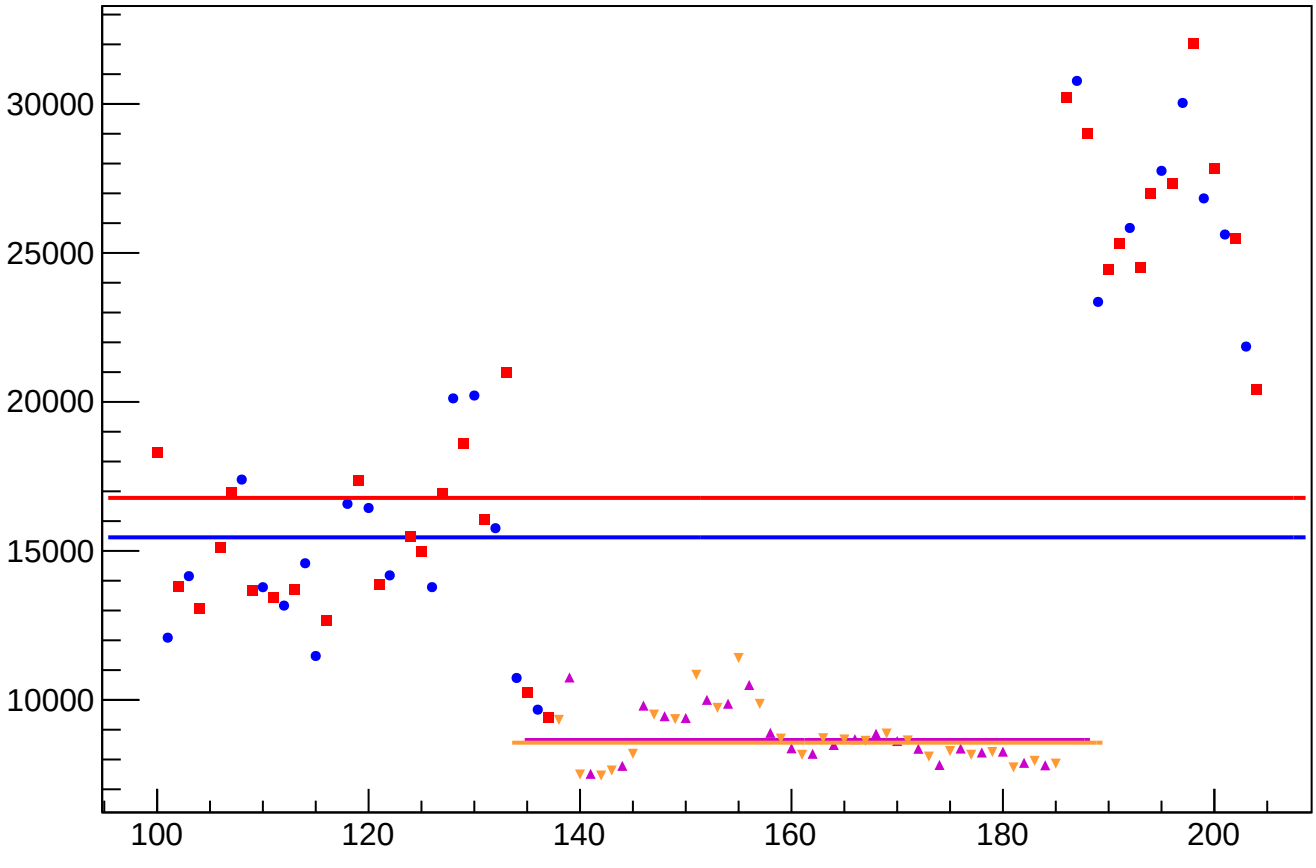
Left: -4.243+/-1.412 χ^2/NDF: 102.6/47

Right: 0.712+/-3.211 χ^2/NDF: 58.6/53

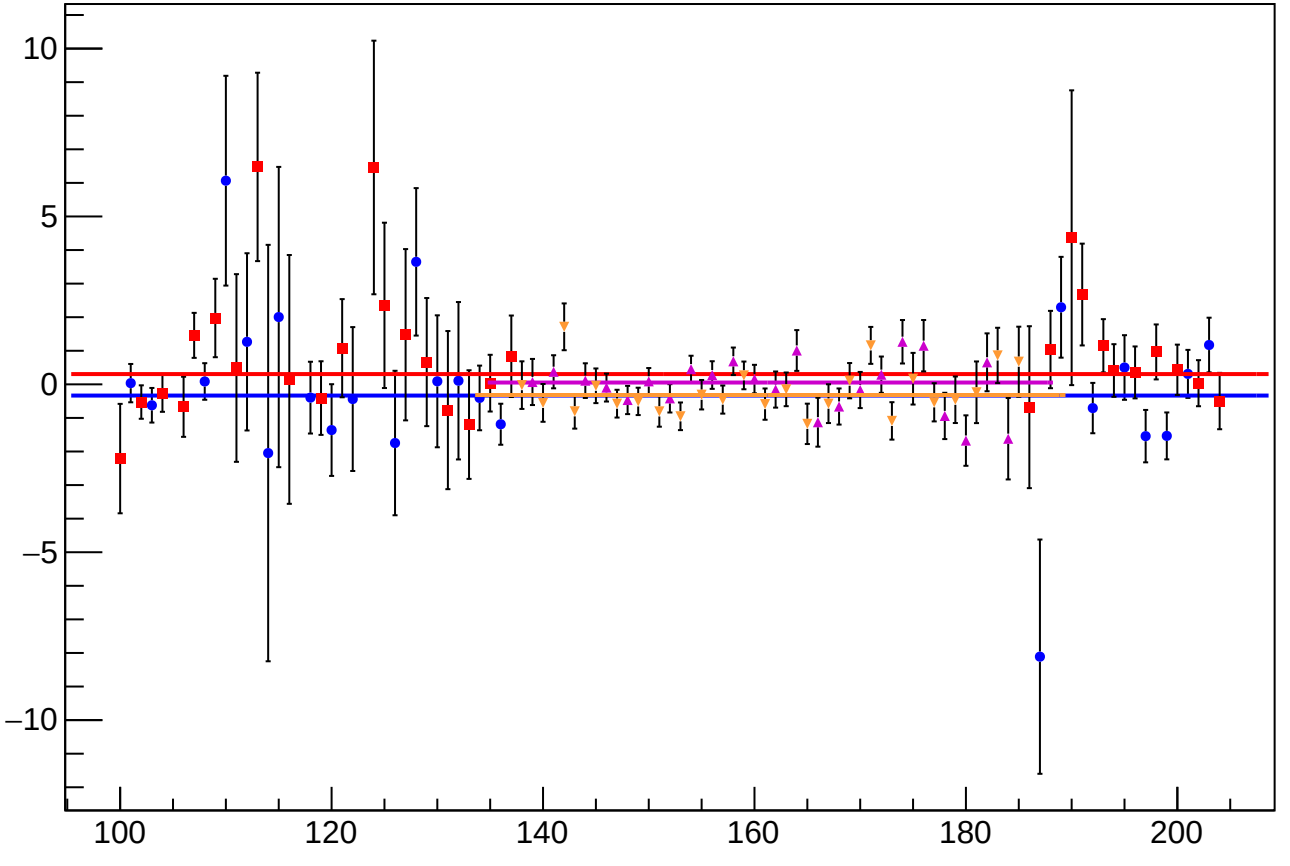
In: -0.887+/-1.857 χ^2/NDF:61.3/46

Out: -5.839+/-1.800 χ^2/NDF:98.2/54

All: -3.440+/-1.292 χ^2/NDF: 163.2/101


diff_bpm_4aX_4eX_avg_rms vs Slug, Sign Corrected
30000
25000
20000
15000
10000
100
120
140
160
180
200
Right In: 15455.568+/-3.216 χ²/NDF: 3084346.1/23
Left Out: 8564.413+/-1.387 χ²/NDF:400646.9/24
Right Out: 16779.334+/-3.206 χ²/NDF: 3324058.8/29
Left In: 8654.310+/-1.438 χ²/NDF:345603.4/22
Left: 8607.718+/-0.998 χ²/NDF: 748275.4/47
Right: 16119.453+/-2.270 χ²/NDF: 6493401.8/53
In: 9788.079+/-1.313 χ²/NDF:7157980.2/46
Out: 9858.956+/-1.273 χ²/NDF:9256426.1/54
All: 9824.621+/-0.914 χ²/NDF: 16415908.9/1

diff_bpm_4aX_4eX_dd_mean vs Slug, Sign Corrected



Right In: -0.334+/-0.191 χ^2/NDF: 31.2/23

Left Out: -0.318+/-0.106 χ^2/NDF:32.3/24

Right Out: 0.306+/-0.183 χ^2/NDF: 29.7/29

Left In: 0.054+/-0.108 χ^2/NDF:29.8/22

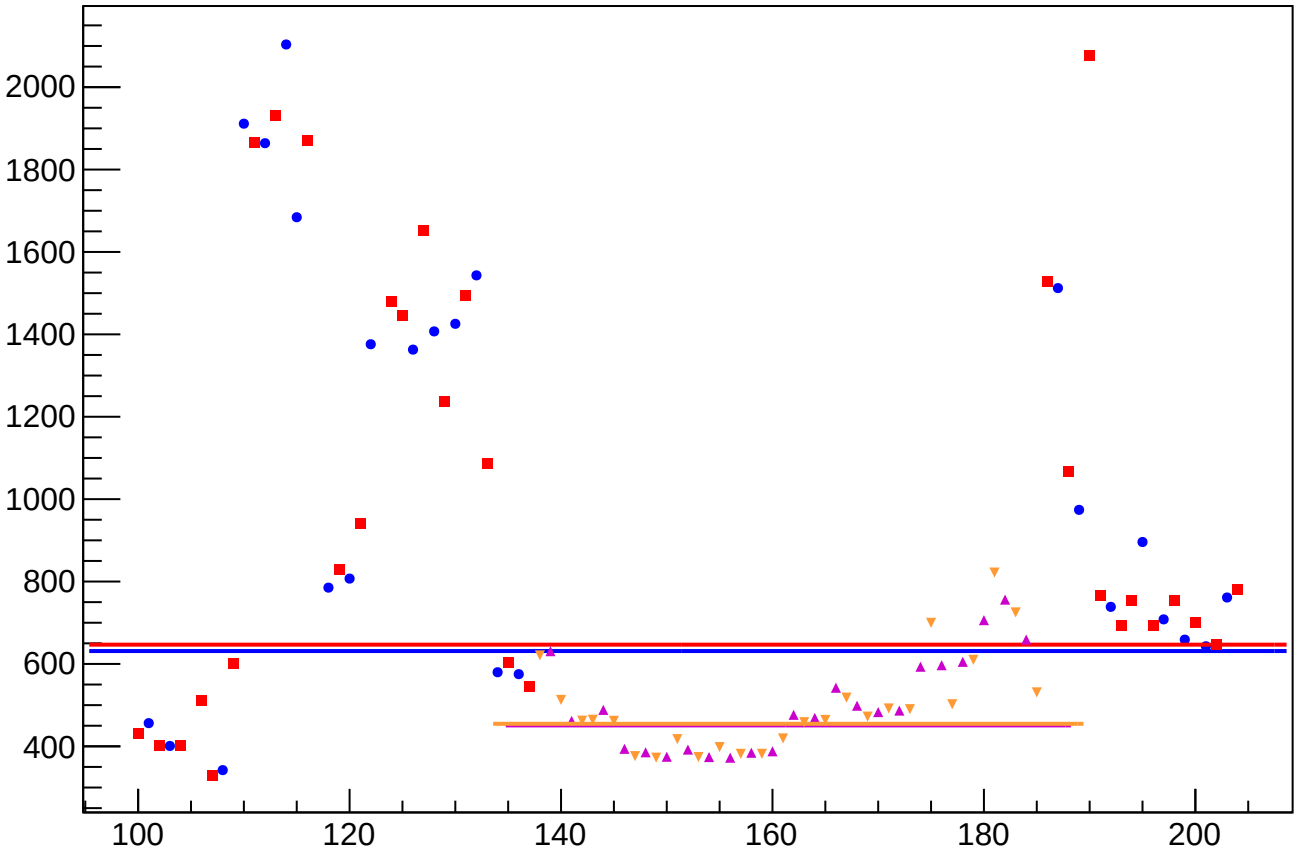
Left: -0.136+/-0.076 χ^2/NDF: 68.1/47

Right: 0.000+/-0.132 χ^2/NDF: 66.7/53

In: -0.040+/-0.094 χ^2/NDF:64.1/46

Out: -0.161+/-0.092 χ^2/NDF:70.6/54

All: -0.102+/-0.066 χ^2/NDF: 135.6/101



Right In: 631.282+/-0.135 χ^2/NDF: 4093825.2/23

Left Out: 454.697+/-0.075 χ^2/NDF:1451363.0/24

Right Out: 646.794+/-0.129 χ^2/NDF: 4698200.7/29

Left In: 450.767+/-0.076 χ^2/NDF:1471497.9/22

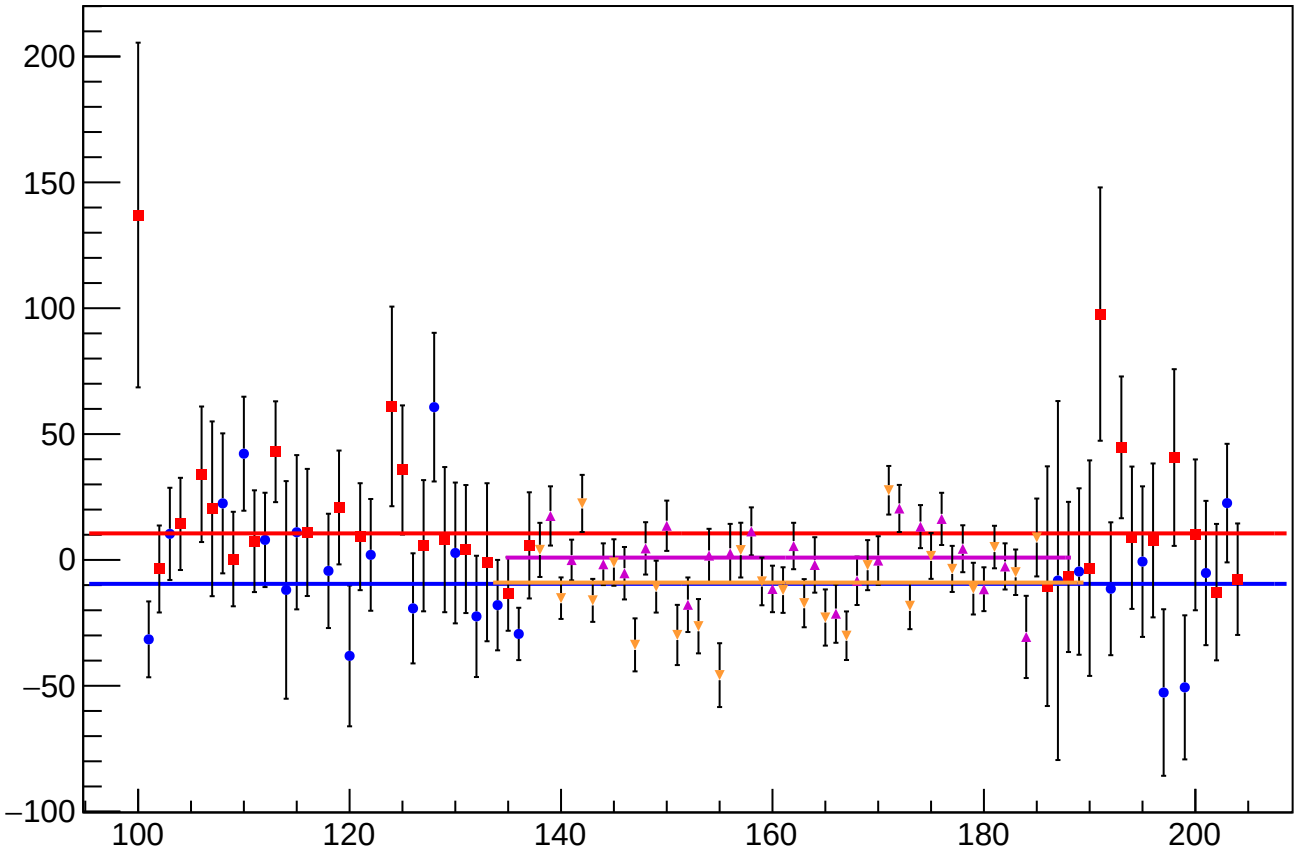
Left: 452.772+/-0.054 χ^2/NDF: 2924208.1/47

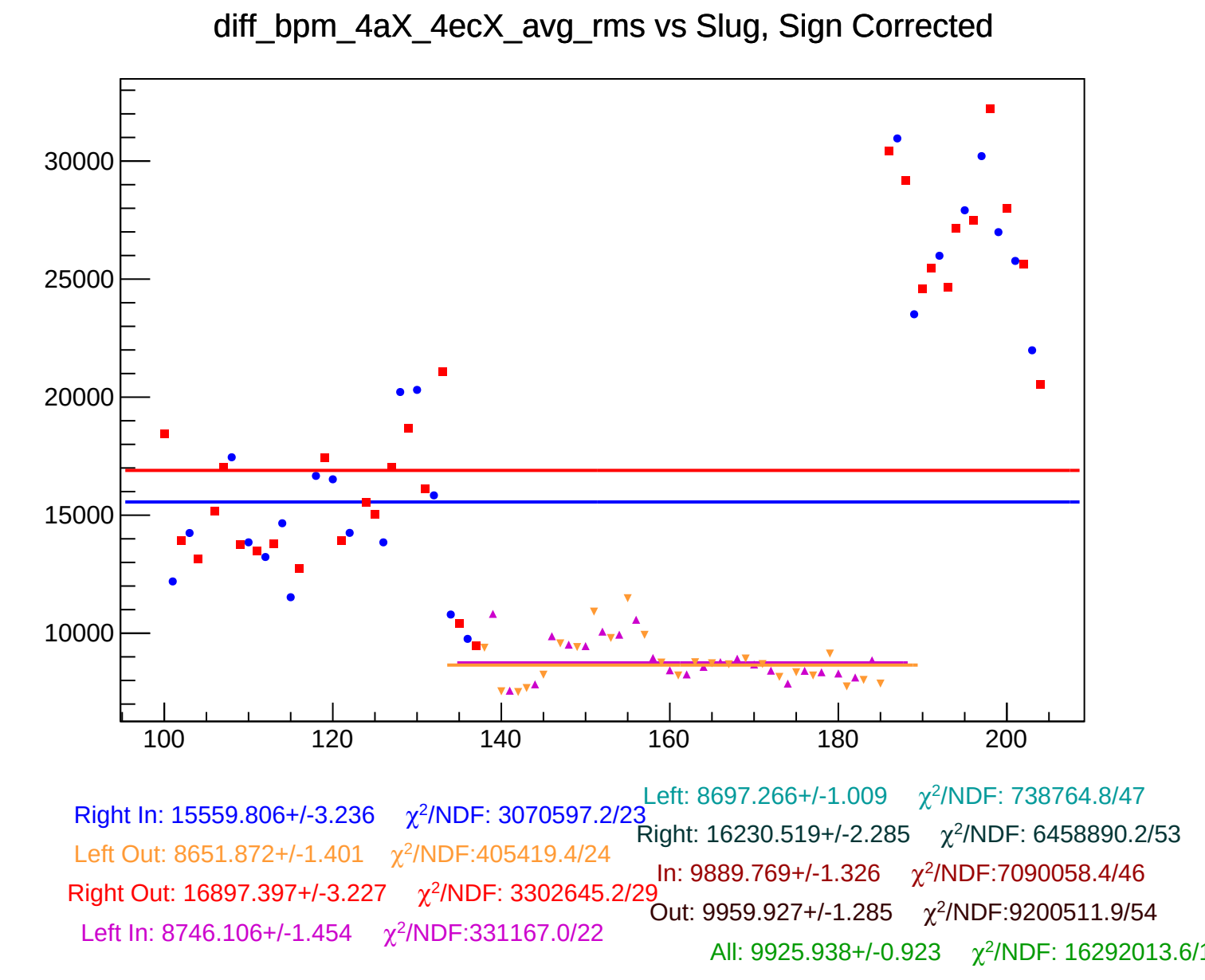
Right: 639.383+/-0.094 χ^2/NDF: 8798893.3/53

In: 494.477+/-0.067 χ^2/NDF:6914823.9/46

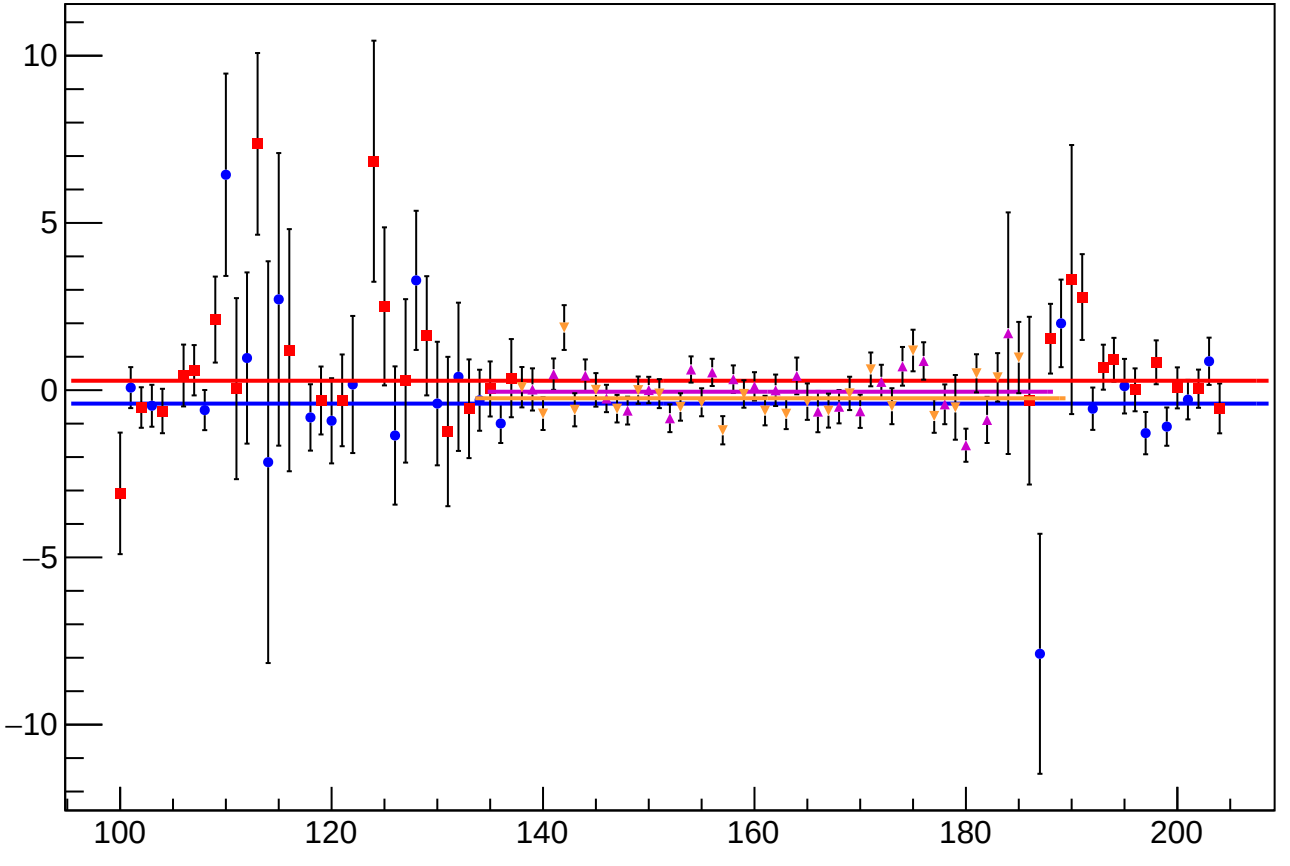
Out: 502.948+/-0.065 χ^2/NDF:7800164.9/54

All: 498.823+/-0.046 χ^2/NDF: 14723298.0/10


diff_bpm_4aX_4ecX_avg_mean vs Slug, Sign Corrected
200
150
100
50
0
−50
−100
100
120
140
160
180
200
Right In: -9.508+/-4.577 χ²/NDF: 28.5/23
Left Out: -9.001+/-1.982 χ²/NDF:61.3/24
Right Out: 10.543+/-4.564 χ²/NDF: 21.0/29
Left In: 0.925+/-2.056 χ²/NDF:29.9/22
Left: -4.219+/-1.427 χ²/NDF: 103.2/47
Right: 0.546+/-3.232 χ²/NDF: 59.1/53
In: -0.826+/-1.875 χ²/NDF:62.7/46
Out: -5.900+/-1.818 χ²/NDF:97.7/54
All: -3.442+/-1.305 χ²/NDF: 164.1/101


diff_bpm_4aX_4ecX_avg_rms vs Slug, Sign Corrected
30000
25000
20000
15000
10000
100
120
140
160
180
200
Right In: 15559.806+/-3.236 χ²/NDF: 3070597.2/23
Left Out: 8651.872+/-1.401 χ²/NDF:405419.4/24
Right Out: 16897.397+/-3.227 χ²/NDF: 3302645.2/29
Left In: 8746.106+/-1.454 χ²/NDF:331167.0/22
Left: 8697.266+/-1.009 χ²/NDF: 738764.8/47
Right: 16230.519+/-2.285 χ²/NDF: 6458890.2/53
In: 9889.769+/-1.326 χ²/NDF:7090058.4/46
Out: 9959.927+/-1.285 χ²/NDF:9200511.9/54
All: 9925.938+/-0.923 χ²/NDF: 16292013.6/

diff_bpm_4aX_4ecX_dd_mean vs Slug, Sign Corrected



Right In: -0.402+/-0.181 χ^2/NDF: 26.5/23

Left Out: -0.242+/-0.100 χ^2/NDF:34.3/24

Right Out: 0.282+/-0.174 χ^2/NDF: 31.9/29

Left In: -0.047+/-0.102 χ^2/NDF:35.1/22

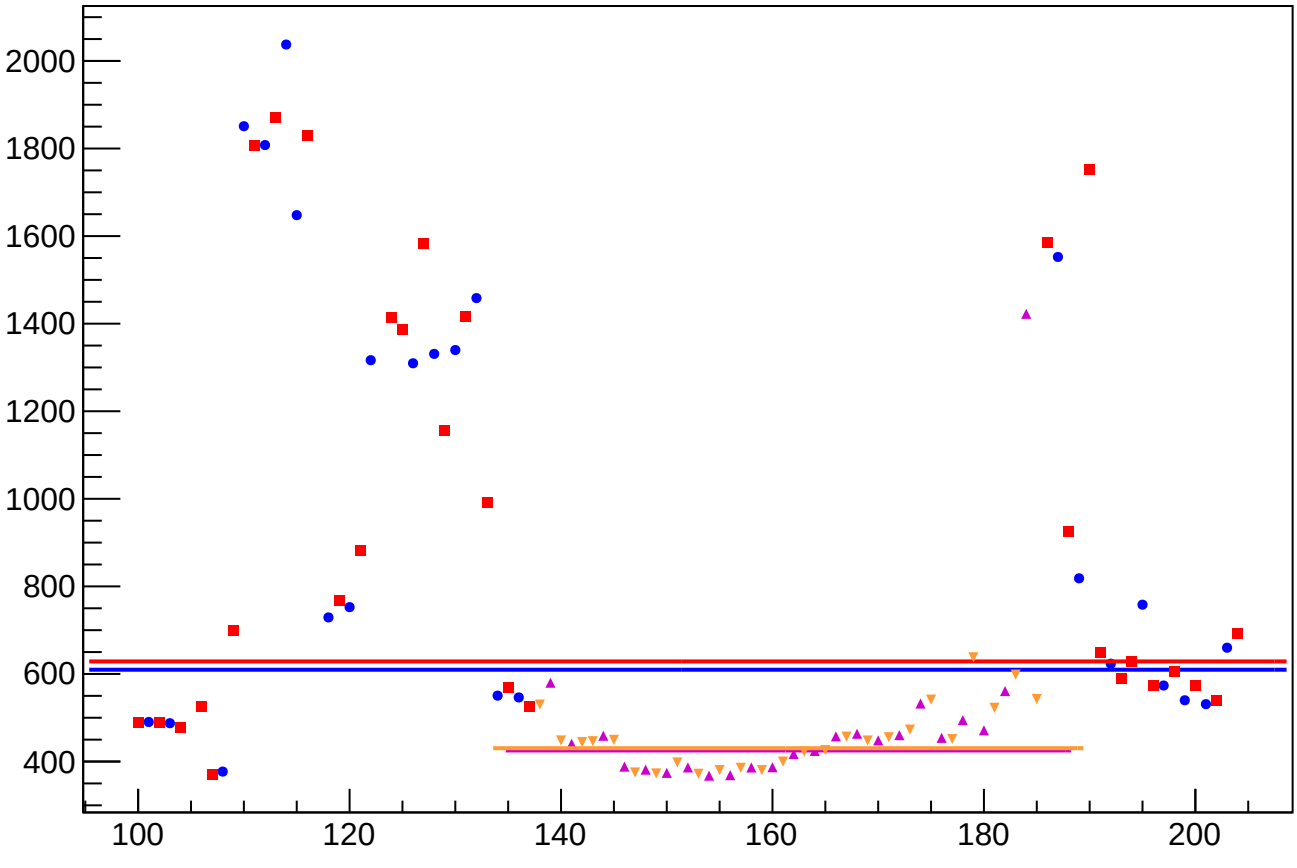
Left: -0.146+/-0.071 χ^2/NDF: 71.2/47

Right: -0.046+/-0.126 χ^2/NDF: 65.7/53

In: -0.131+/-0.089 χ^2/NDF:64.4/46

Out: -0.112+/-0.087 χ^2/NDF:73.0/54

All: -0.122+/-0.062 χ^2/NDF: 137.4/101



Right In: 609.672+/-0.128 χ^2/NDF: 3190743.9/23

Left Out: 430.437+/-0.071 χ^2/NDF:648114.1/24

Right Out: 628.649+/-0.123 χ^2/NDF: 3503814.8/29

Left In: 425.312+/-0.072 χ^2/NDF:716953.2/22

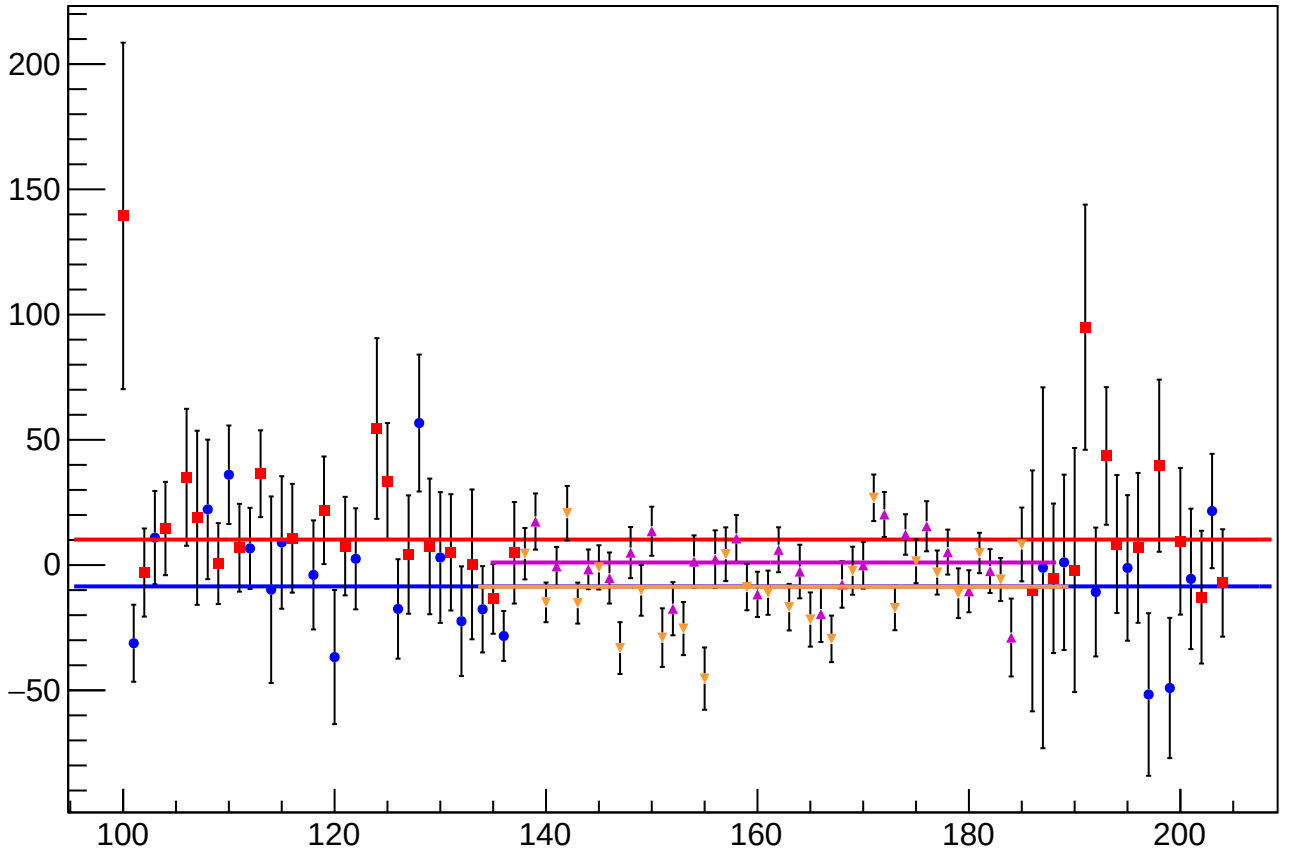
Left: 427.910+/-0.050 χ^2/NDF: 1367648.1/47

Right: 619.535+/-0.089 χ^2/NDF: 6705929.5/53

In: 469.309+/-0.063 χ^2/NDF:5479756.7/46

Out: 479.625+/-0.061 χ^2/NDF:6093693.0/54

All: 474.570+/-0.044 χ^2/NDF: 11587262.8/10



Right In: -8.510+/-4.348 χ^2/NDF: 28.9/23

Left Out: -8.623+/-1.913 χ^2/NDF:61.6/24

Right Out: 10.192+/-4.309 χ^2/NDF: 20.8/29

Left In: 1.027+/-1.987 χ^2/NDF:29.8/22

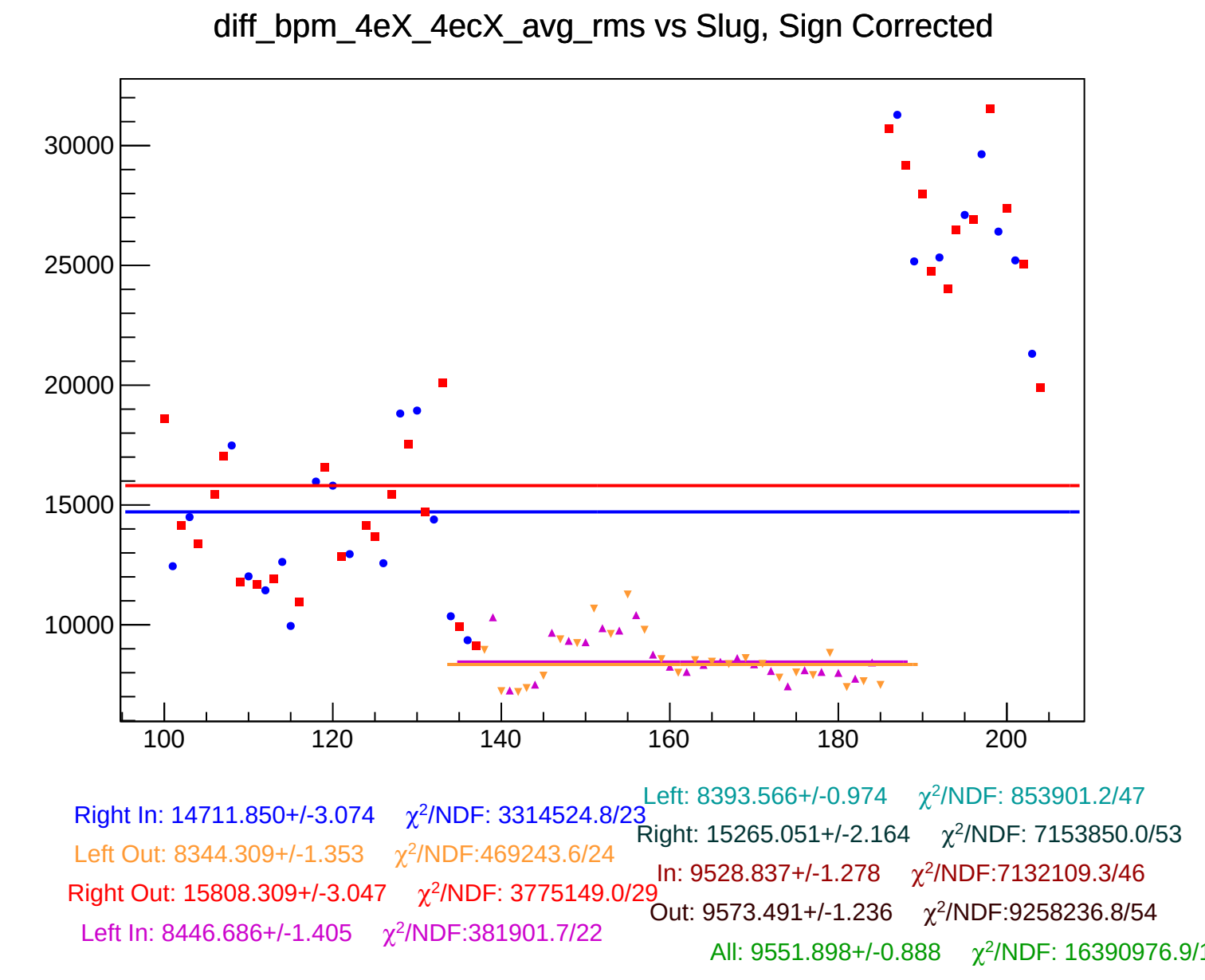
Left: -3.980+/-1.378 χ^2/NDF: 103.6/47

Right: 0.926+/-3.060 χ^2/NDF: 59.1/53

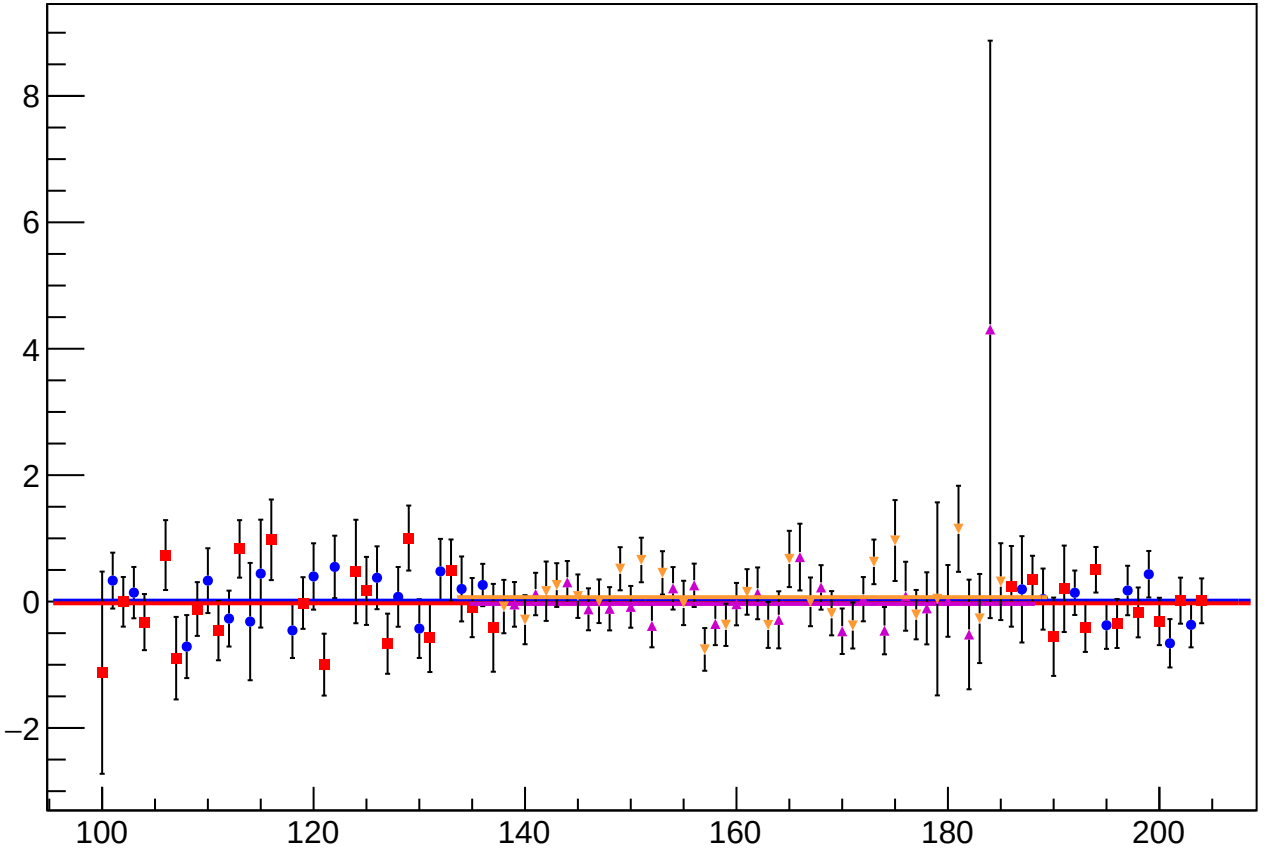
In: -0.620+/-1.807 χ^2/NDF:62.7/46

Out: -5.524+/-1.748 χ^2/NDF:98.4/54

All: -3.153+/-1.257 χ^2/NDF: 164.8/101


diff_bpm_4eX_4ecX_avg_rms vs Slug, Sign Corrected
30000
25000
20000
15000
10000
100
120
140
160
180
200
Right In: 14711.850+/-3.074 χ²/NDF: 3314524.8/23
Left Out: 8344.309+/-1.353 χ²/NDF:469243.6/24
Right Out: 15808.309+/-3.047 χ²/NDF: 3775149.0/29
Left In: 8446.686+/-1.405 χ²/NDF:381901.7/22
Left: 8393.566+/-0.974 χ²/NDF: 853901.2/47
Right: 15265.051+/-2.164 χ²/NDF: 7153850.0/53
In: 9528.837+/-1.278 χ²/NDF:7132109.3/46
Out: 9573.491+/-1.236 χ²/NDF:9258236.8/54
All: 9551.898+/-0.888 χ²/NDF: 16390976.9/1

diff_bpm_4eX_4ecX_dd_mean vs Slug, Sign Corrected



Right In: 0.014+/-0.092 χ^2/NDF: 16.7/23

Left Out: 0.069+/-0.079 χ^2/NDF:28.2/24

Right Out: -0.027+/-0.086 χ^2/NDF: 30.8/29

Left In: -0.037+/-0.081 χ^2/NDF:11.7/22

Left: 0.017+/-0.057 χ^2/NDF: 40.8/47

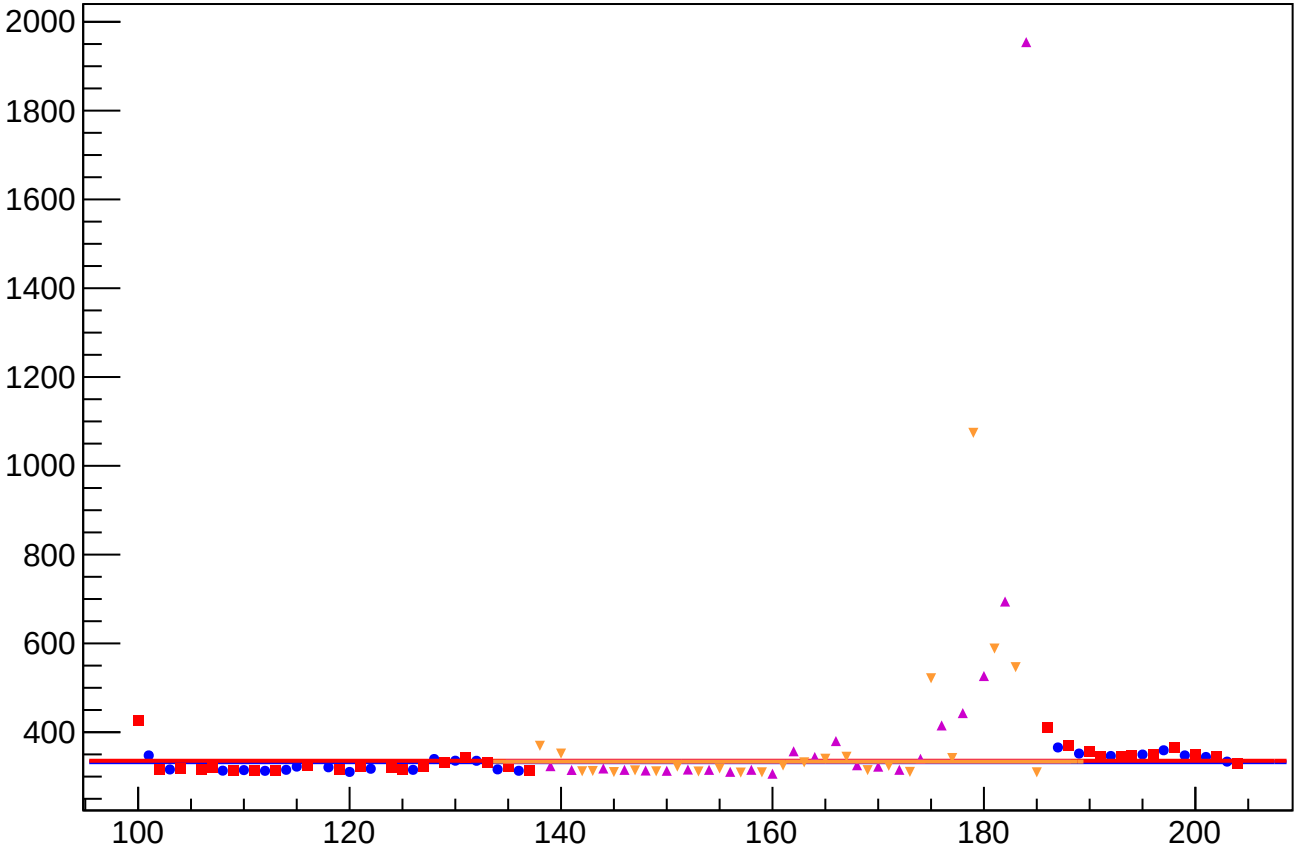
Right: -0.008+/-0.063 χ^2/NDF: 47.6/53

In: -0.015+/-0.061 χ^2/NDF:28.5/46

Out: 0.025+/-0.058 χ^2/NDF:59.7/54

All: 0.006+/-0.042 χ^2/NDF: 88.5/101

diff_bpm_4eX_4ecX_dd_rms vs Slug, Sign Corrected



Right In: 332.476+/-0.065 χ^2/NDF: 62700.8/23

Left Out: 333.783+/-0.056 χ^2/NDF:1217257.0/24

Right Out: 335.681+/-0.061 χ^2/NDF: 115734.9/29

Left In: 333.979+/-0.057 χ^2/NDF:1050984.2/22

Left: 333.879+/-0.040 χ^2/NDF: 2268247.2/47

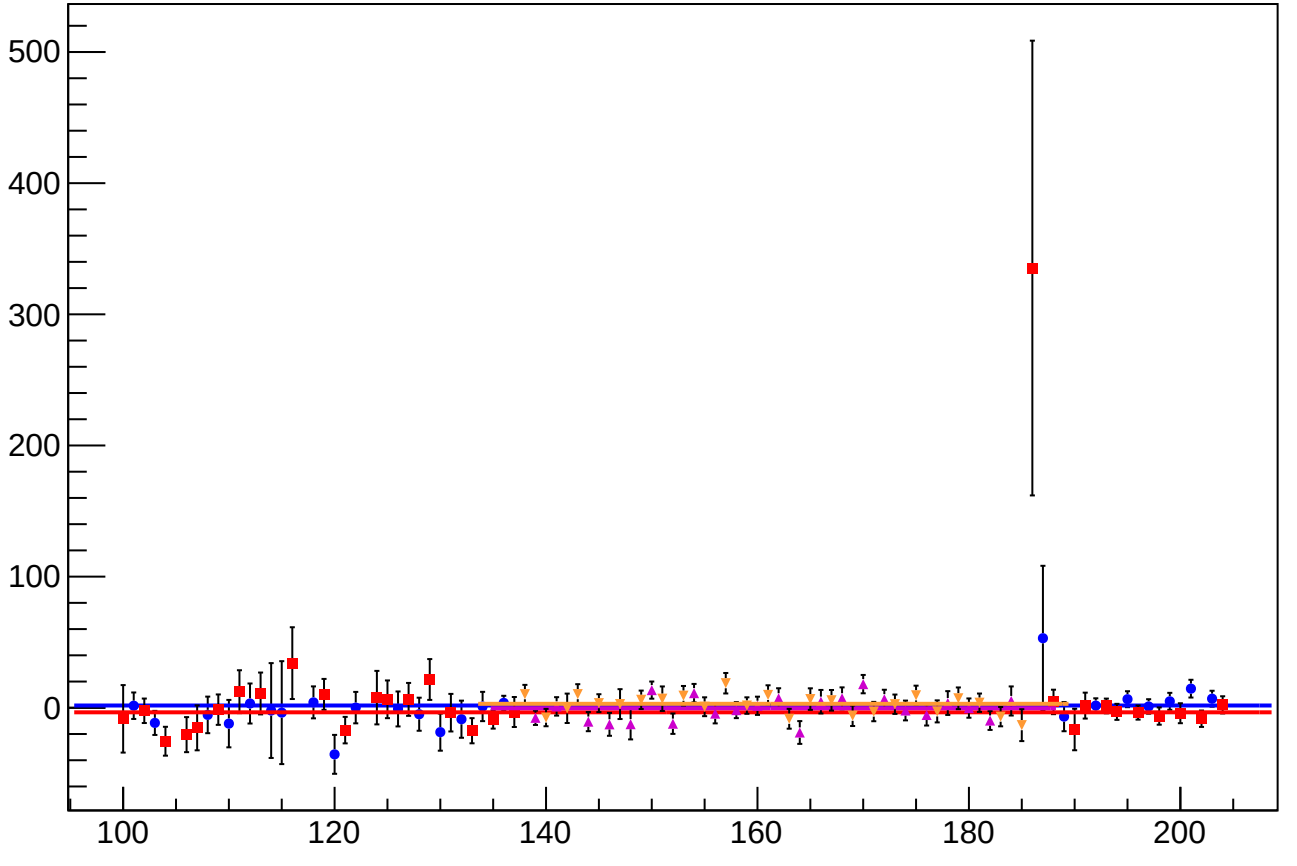
Right: 334.189+/-0.044 χ^2/NDF: 179740.7/53

In: 333.321+/-0.043 χ^2/NDF:1113987.1/46

Out: 334.657+/-0.041 χ^2/NDF:1333522.2/54

All: 334.018+/-0.030 χ^2/NDF: 2448014.9/101

diff_bpm_4aY_4acY_avg_mean vs Slug, Sign Corrected



Right In: 1.739+/-1.851 χ^2/NDF: 19.1/23

Left Out: 3.023+/-1.542 χ^2/NDF:20.3/24

Right Out: -3.461+/-1.732 χ^2/NDF: 27.5/29

Left In: -0.351+/-1.568 χ^2/NDF:33.8/22

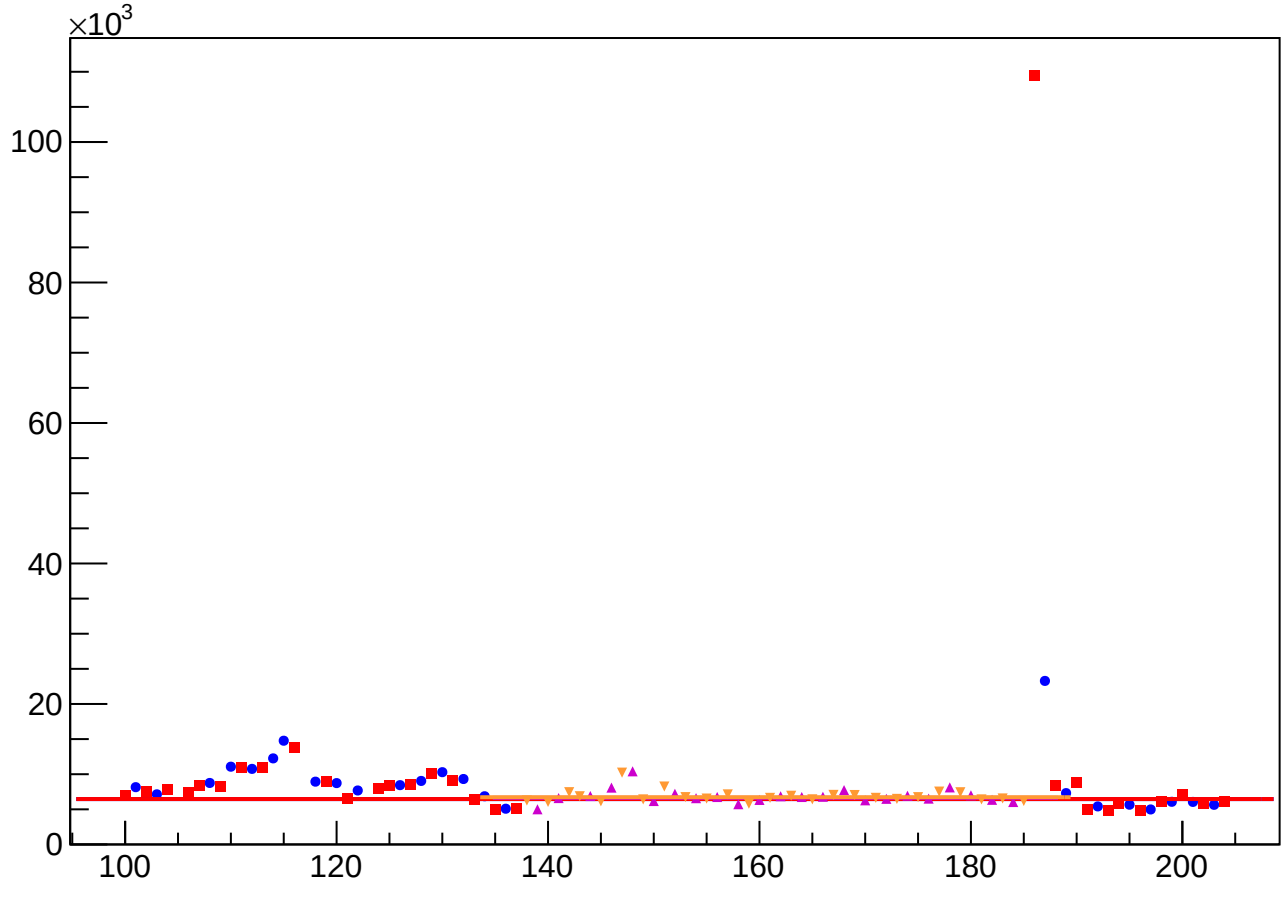
Left: 1.365+/-1.099 χ^2/NDF: 56.5/47

Right: -1.034+/-1.265 χ^2/NDF: 50.8/53

In: 0.522+/-1.197 χ^2/NDF:53.6/46

Out: 0.156+/-1.151 χ^2/NDF:55.7/54

All: 0.332+/-0.830 χ^2/NDF: 109.3/101



Right In: 6458.124+/-1.309 χ^2/NDF: 1687049.8/23

Left Out: 6722.984+/-1.090 χ^2/NDF:403317.7/24

Right Out: 6466.132+/-1.224 χ^2/NDF: 2370051.3/29

Left In: 6632.723+/-1.109 χ^2/NDF:629490.9/22

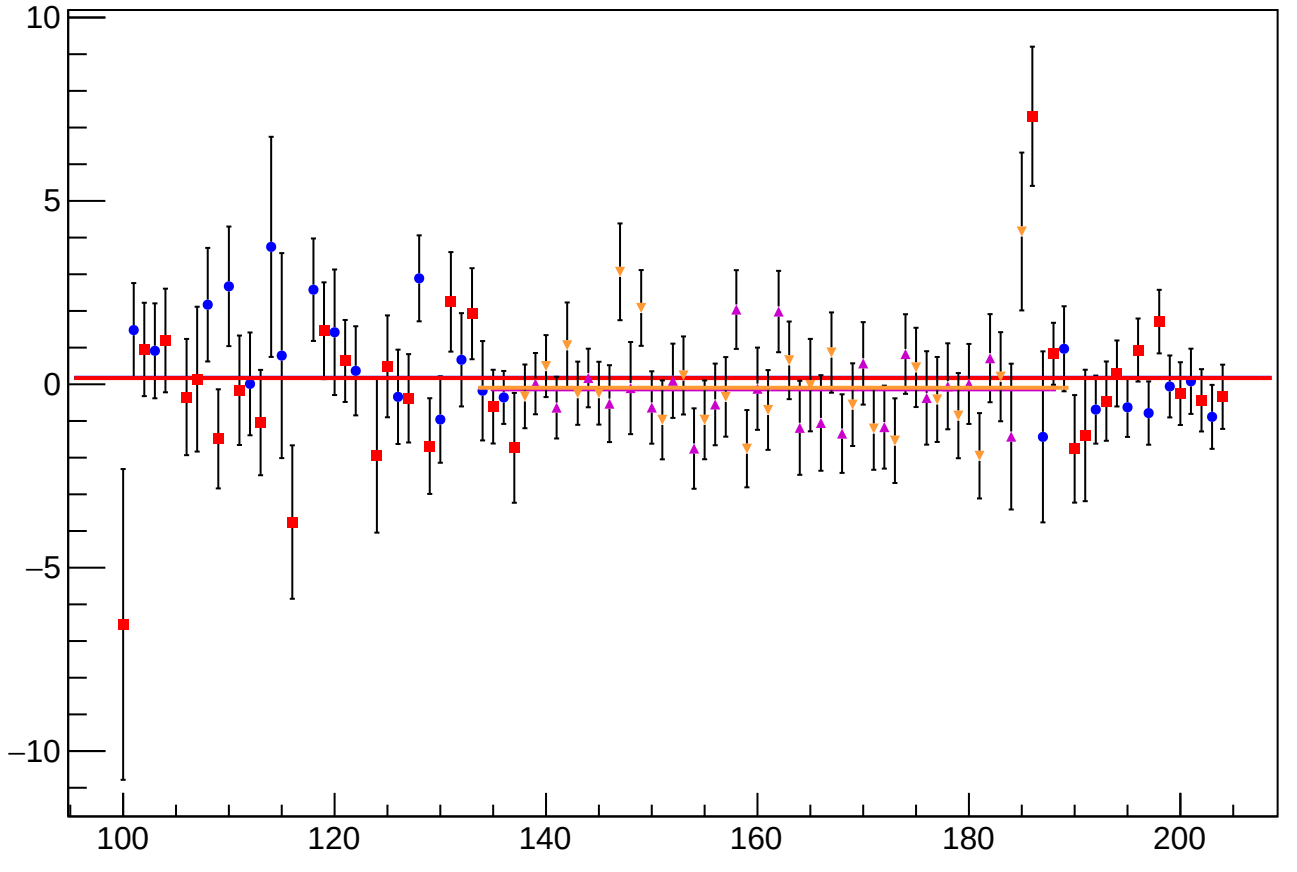
Left: 6678.628+/-0.777 χ^2/NDF: 1036177.6/47

Right: 6462.395+/-0.894 χ^2/NDF: 4057121.1/53

In: 6559.772+/-0.846 χ^2/NDF:2326897.7/46

Out: 6609.421+/-0.814 χ^2/NDF:2797915.3/54

All: 6585.552+/-0.587 χ^2/NDF: 5126600.7/10



Right In: 0.178+/-0.233 χ^2/NDF: 23.2/23

Left Out: -0.095+/-0.215 χ^2/NDF:27.3/24

Right Out: 0.169+/-0.219 χ^2/NDF: 42.9/29

Left In: -0.138+/-0.225 χ^2/NDF:16.5/22

Left: -0.115+/-0.156 χ^2/NDF: 43.8/47

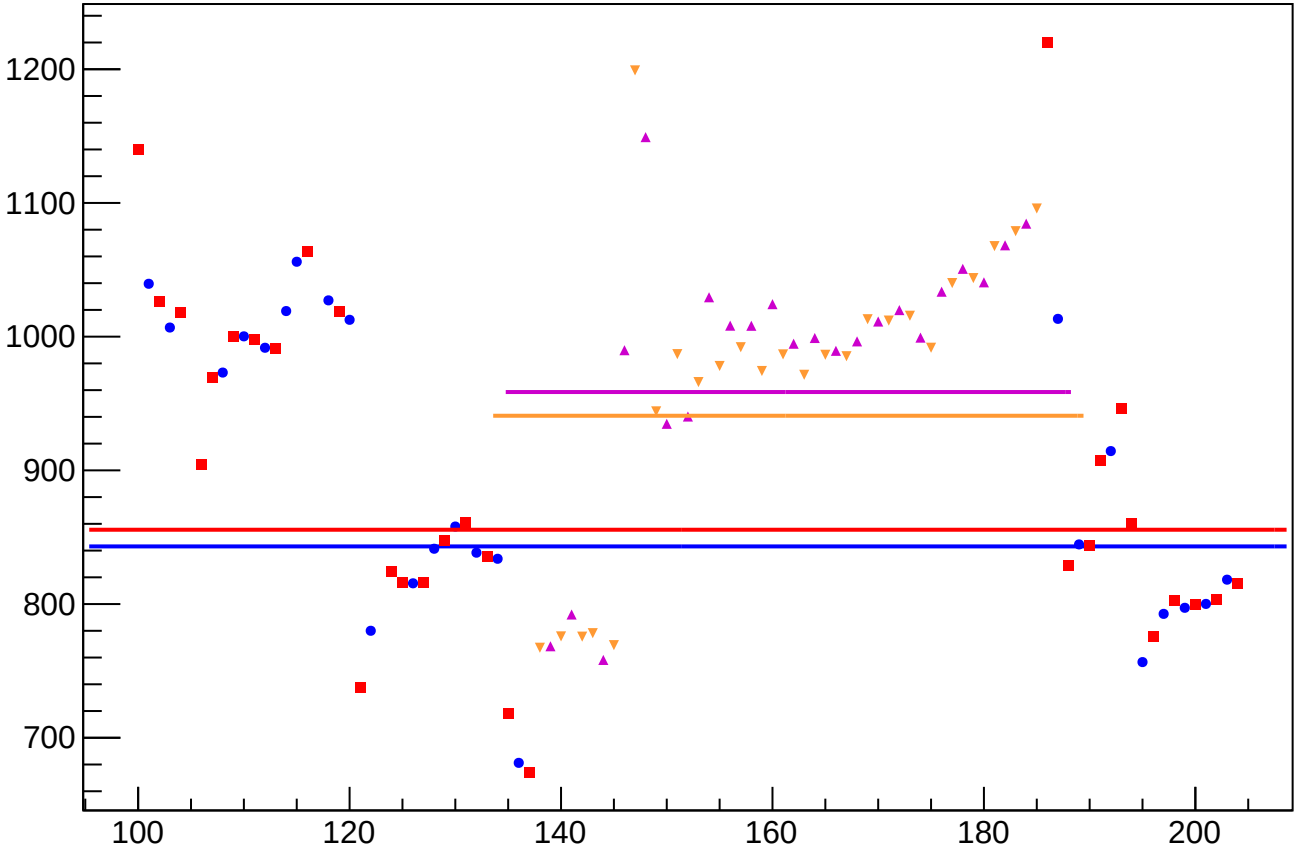
Right: 0.173+/-0.160 χ^2/NDF: 66.1/53

In: 0.014+/-0.162 χ^2/NDF:40.6/46

Out: 0.035+/-0.154 χ^2/NDF:71.0/54

All: 0.025+/-0.111 χ^2/NDF: 111.6/101

diff_bpm_4aY_4acY_dd_rms vs Slug, Sign Corrected



Right In: 843.120+/-0.165 χ^2/NDF: 378769.5/23

Left Out: 940.844+/-0.152 χ^2/NDF:568776.0/24

Right Out: 855.588+/-0.155 χ^2/NDF: 419327.3/29

Left In: 958.578+/-0.159 χ^2/NDF:456824.8/22

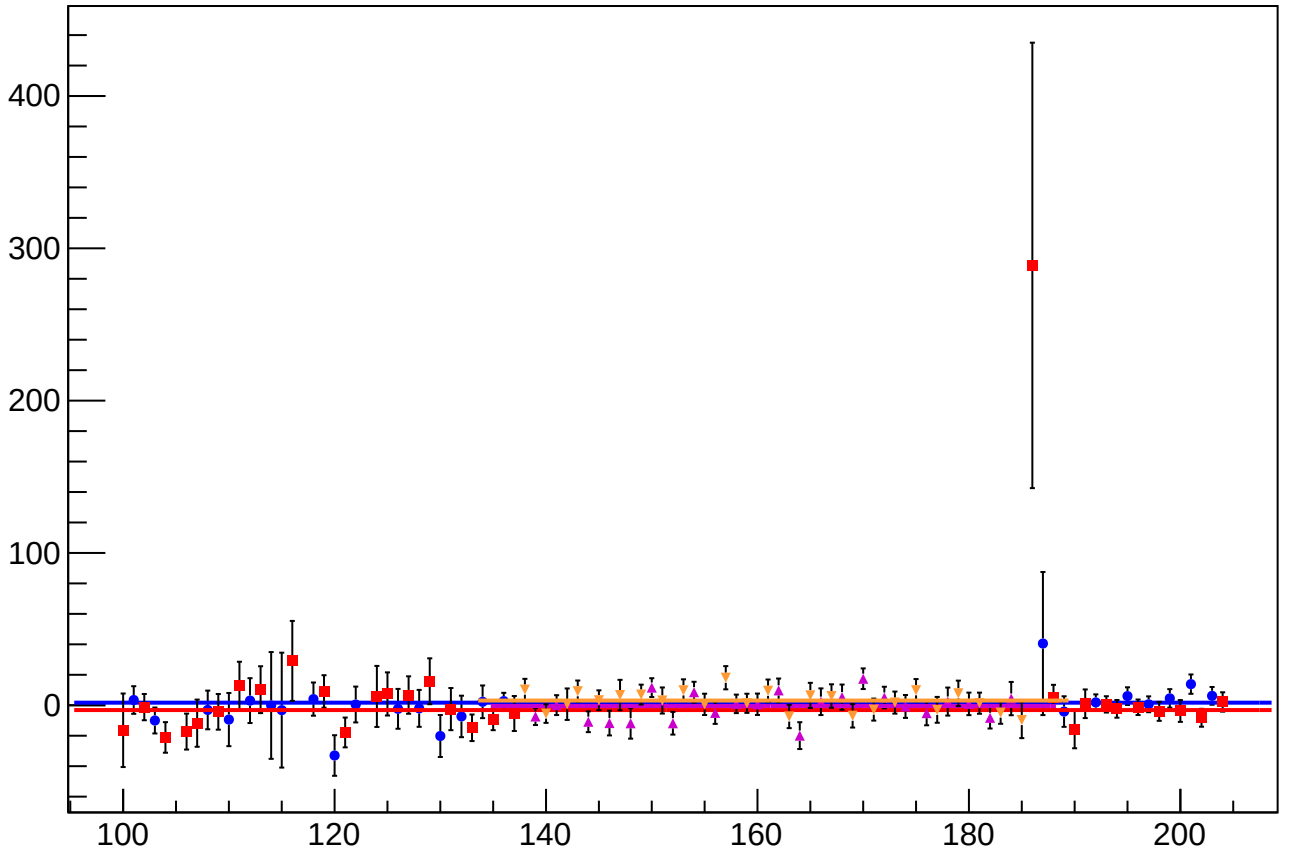
Left: 949.310+/-0.110 χ^2/NDF: 1032074.6/47

Right: 849.750+/-0.113 χ^2/NDF: 801132.4/53

In: 902.872+/-0.115 χ^2/NDF:1088917.4/46

Out: 898.926+/-0.109 χ^2/NDF:1142187.6/54

All: 900.792+/-0.079 χ^2/NDF: 2231729.5/101



Right In: 1.702+/-1.760 χ^2/NDF: 18.6/23

Left Out: 3.099+/-1.500 χ^2/NDF:18.6/24

Right Out: -3.156+/-1.640 χ^2/NDF: 26.0/29

Left In: -0.519+/-1.535 χ^2/NDF:32.0/22

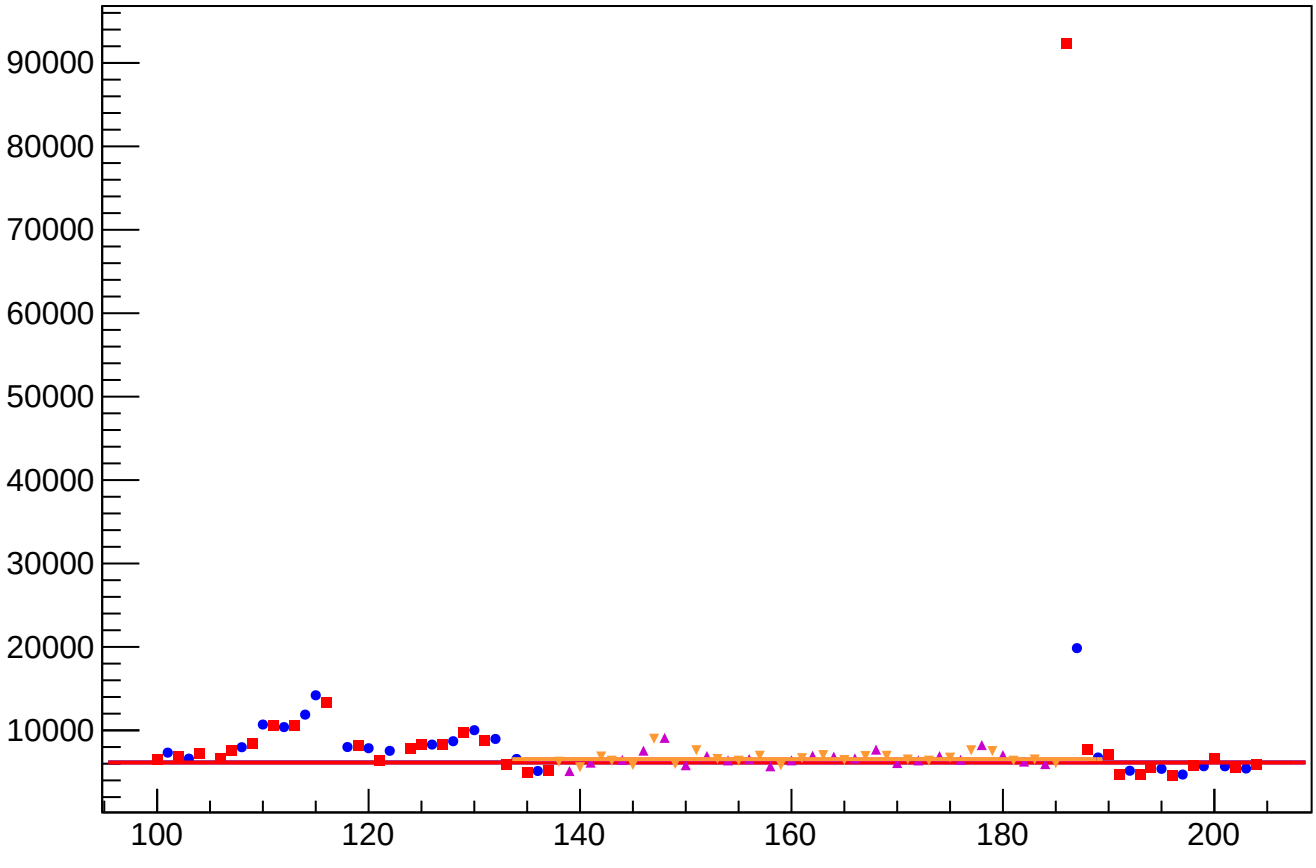
Left: 1.331+/-1.073 χ^2/NDF: 53.4/47

Right: -0.898+/-1.200 χ^2/NDF: 48.7/53

In: 0.441+/-1.157 χ^2/NDF:51.5/46

Out: 0.249+/-1.107 χ^2/NDF:52.5/54

All: 0.340+/-0.800 χ^2/NDF: 104.1/101



Right In: 6156.111+/-1.244 χ^2/NDF: 1594866.6/23

Left Out: 6548.897+/-1.061 χ^2/NDF:366072.4/24

Right Out: 6142.515+/-1.159 χ^2/NDF: 2297149.8/29

Left In: 6505.057+/-1.085 χ^2/NDF:515496.8/22

Left: 6527.477+/-0.759 χ^2/NDF: 882403.7/47

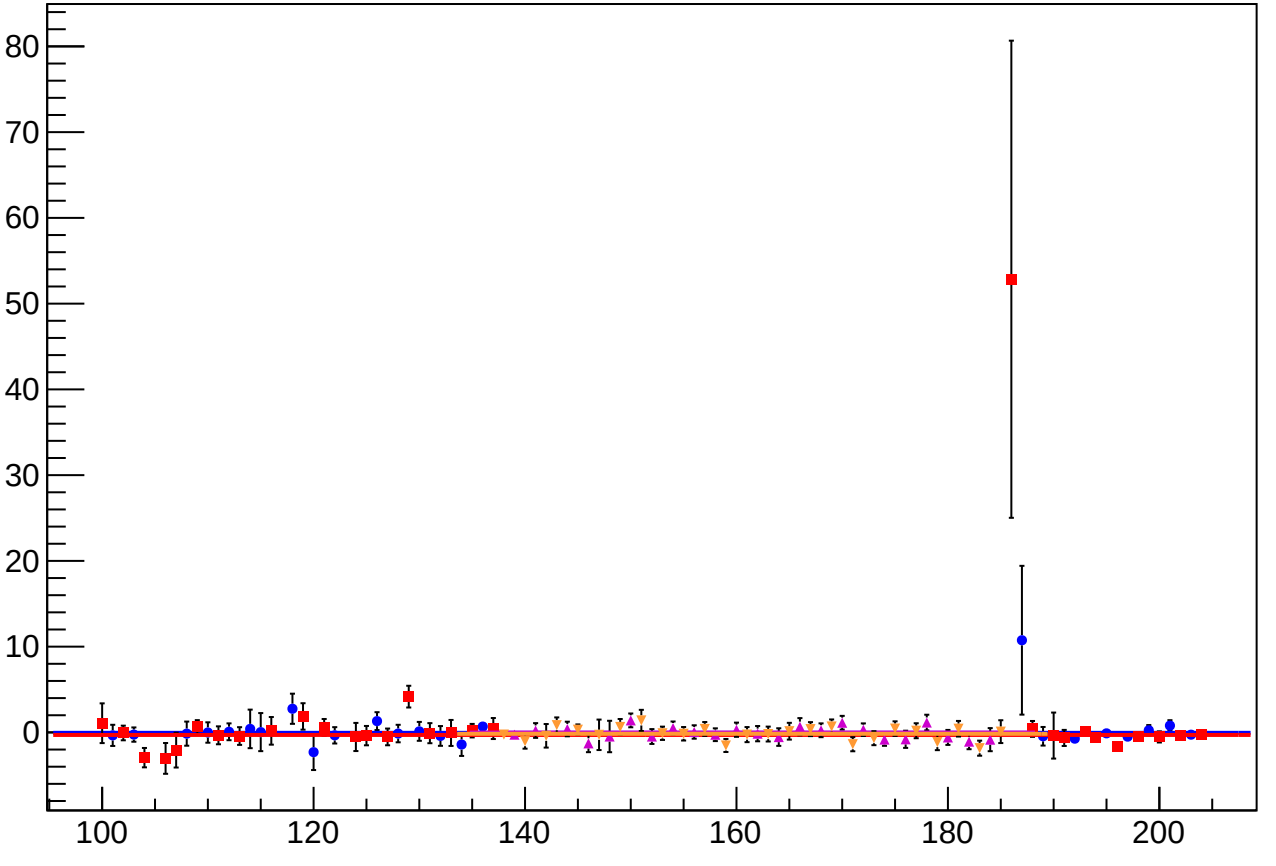
Right: 6148.834+/-0.848 χ^2/NDF: 3892080.4/53

In: 6354.275+/-0.818 χ^2/NDF:2155032.5/46

Out: 6363.704+/-0.783 χ^2/NDF:2730099.1/54

All: 6359.197+/-0.565 χ^2/NDF: 4885201.0/10

diff_bpm_4aY_4eY_dd_mean vs Slug, Sign Corrected



Right In: -0.051+/-0.171 χ^2/NDF: 14.7/23

Left Out: -0.162+/-0.172 χ^2/NDF:19.0/24

Right Out: -0.297+/-0.159 χ^2/NDF: 37.9/29

Left In: -0.017+/-0.169 χ^2/NDF:15.2/22

Left: -0.089+/-0.121 χ^2/NDF: 34.6/47

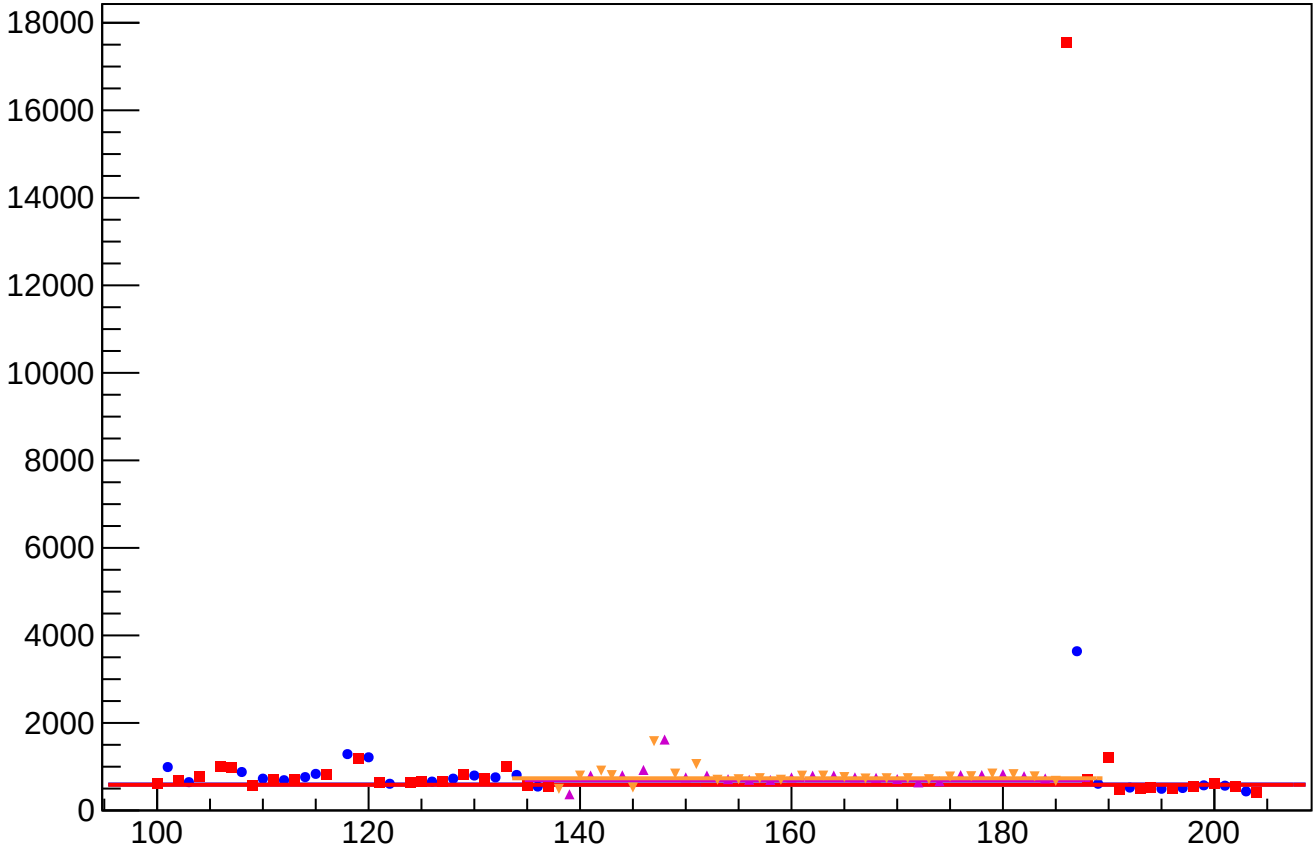
Right: -0.183+/-0.116 χ^2/NDF: 53.7/53

In: -0.034+/-0.120 χ^2/NDF:29.9/46

Out: -0.235+/-0.117 χ^2/NDF:57.2/54

All: -0.138+/-0.084 χ^2/NDF: 88.6/101

diff_bpm_4aY_4eY_dd_rms vs Slug, Sign Corrected



Right In: 592.763+/-0.121 χ^2/NDF: 1710193.2/23

Left Out: 734.984+/-0.122 χ^2/NDF:1339748.9/24

Right Out: 586.631+/-0.112 χ^2/NDF: 2267956.0/29

Left In: 694.150+/-0.120 χ^2/NDF:2225094.5/22

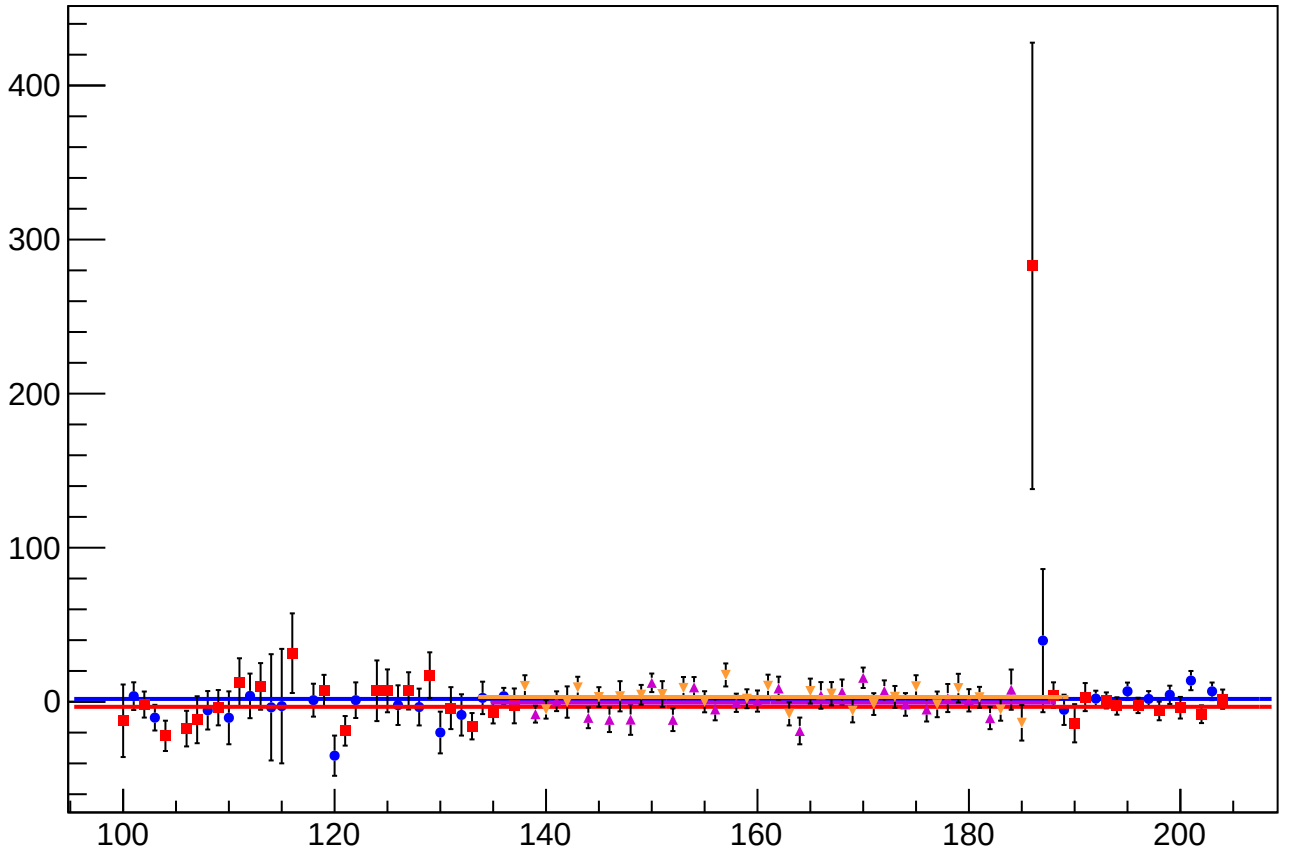
Left: 714.202+/-0.085 χ^2/NDF: 3622132.3/47

Right: 589.472+/-0.082 χ^2/NDF: 3979530.5/53

In: 644.013+/-0.085 χ^2/NDF:4290950.9/46

Out: 654.859+/-0.083 χ^2/NDF:4410200.6/54

All: 649.595+/-0.059 χ^2/NDF: 8709531.2/101



Right In: 1.847+/-1.725 χ^2/NDF: 21.2/23

Left Out: 3.111+/-1.476 χ^2/NDF:18.7/24

Right Out: -3.278+/-1.606 χ^2/NDF: 27.1/29

Left In: -0.550+/-1.512 χ^2/NDF:33.6/22

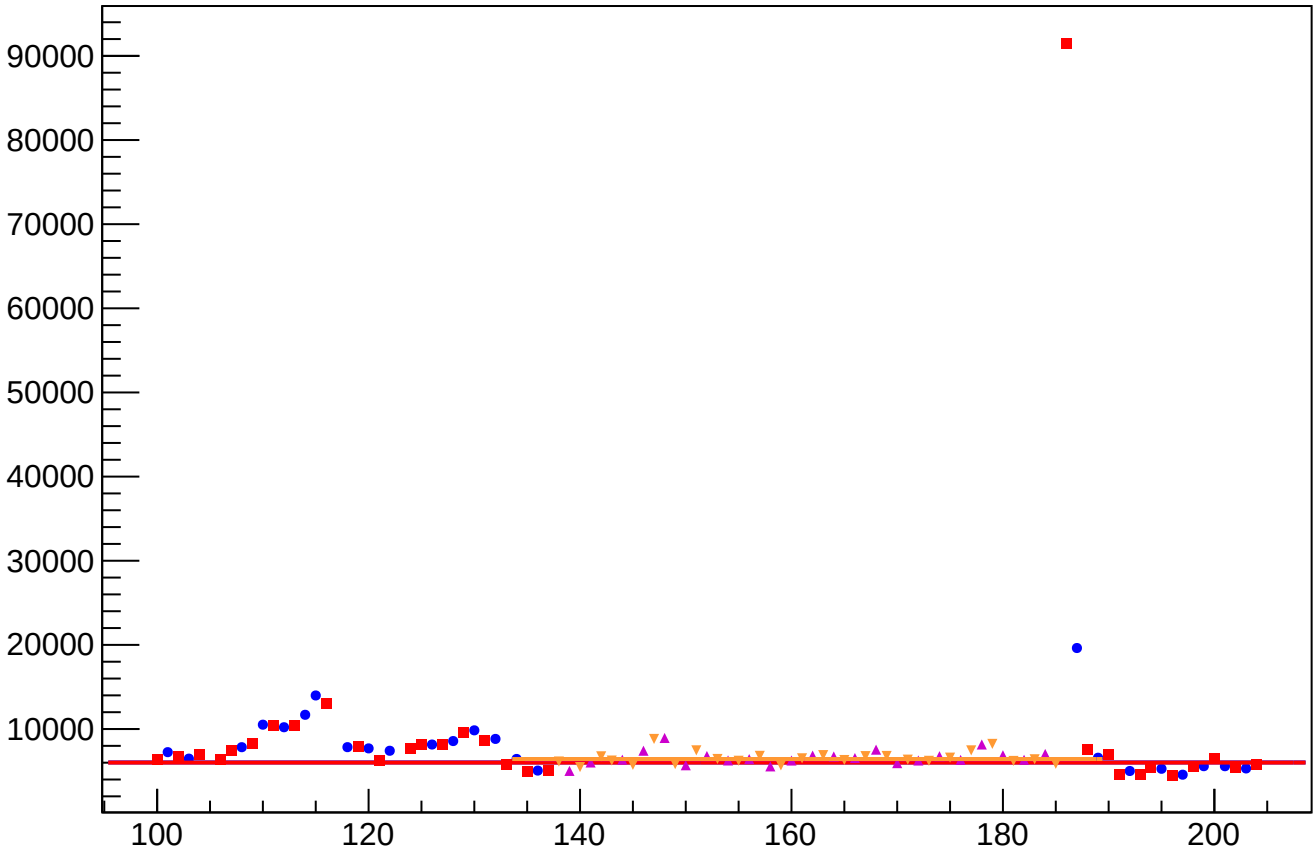
Left: 1.325+/-1.056 χ^2/NDF: 55.3/47

Right: -0.897+/-1.175 χ^2/NDF: 53.0/53

In: 0.492+/-1.137 χ^2/NDF:55.9/46

Out: 0.186+/-1.087 χ^2/NDF:54.4/54

All: 0.332+/-0.786 χ^2/NDF: 110.3/101



Right In: 6028.815+/-1.220 χ^2/NDF: 1622089.8/23

Left Out: 6435.363+/-1.044 χ^2/NDF:417318.3/24

Right Out: 6011.863+/-1.136 χ^2/NDF: 2318344.2/29

Left In: 6405.229+/-1.069 χ^2/NDF:525079.4/22

Left: 6420.661+/-0.747 χ^2/NDF: 942804.2/47

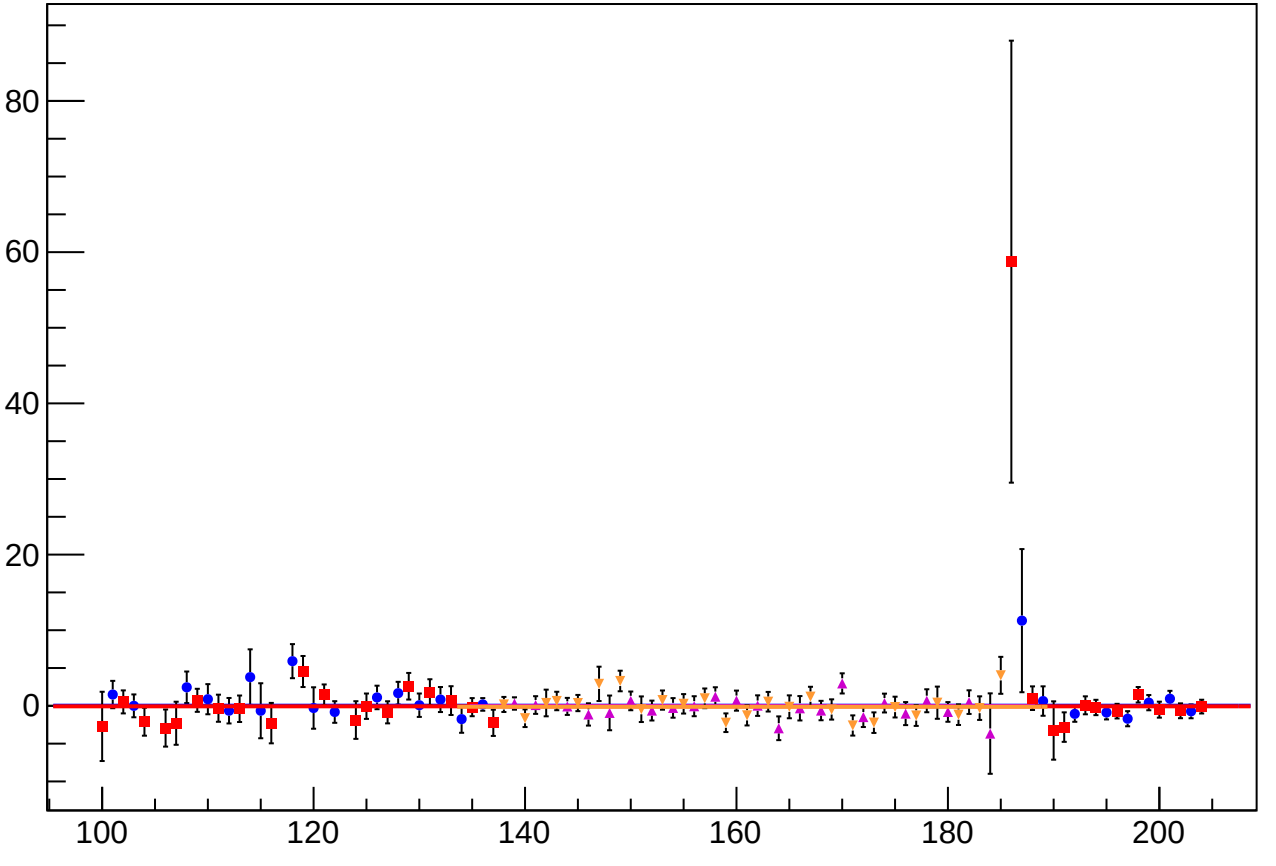
Right: 6019.736+/-0.831 χ^2/NDF: 3940537.4/53

In: 6241.611+/-0.804 χ^2/NDF:2201017.8/46

Out: 6241.432+/-0.769 χ^2/NDF:2811037.5/54

All: 6241.517+/-0.556 χ^2/NDF: 5012055.3/10

diff_bpm_4aY_4ecY_dd_mean vs Slug, Sign Corrected



Right In: 0.019+/-0.284 χ^2/NDF: 21.7/23

Left Out: -0.122+/-0.273 χ^2/NDF:27.0/24

Right Out: -0.066+/-0.272 χ^2/NDF: 27.4/29

Left In: -0.029+/-0.279 χ^2/NDF:14.4/22

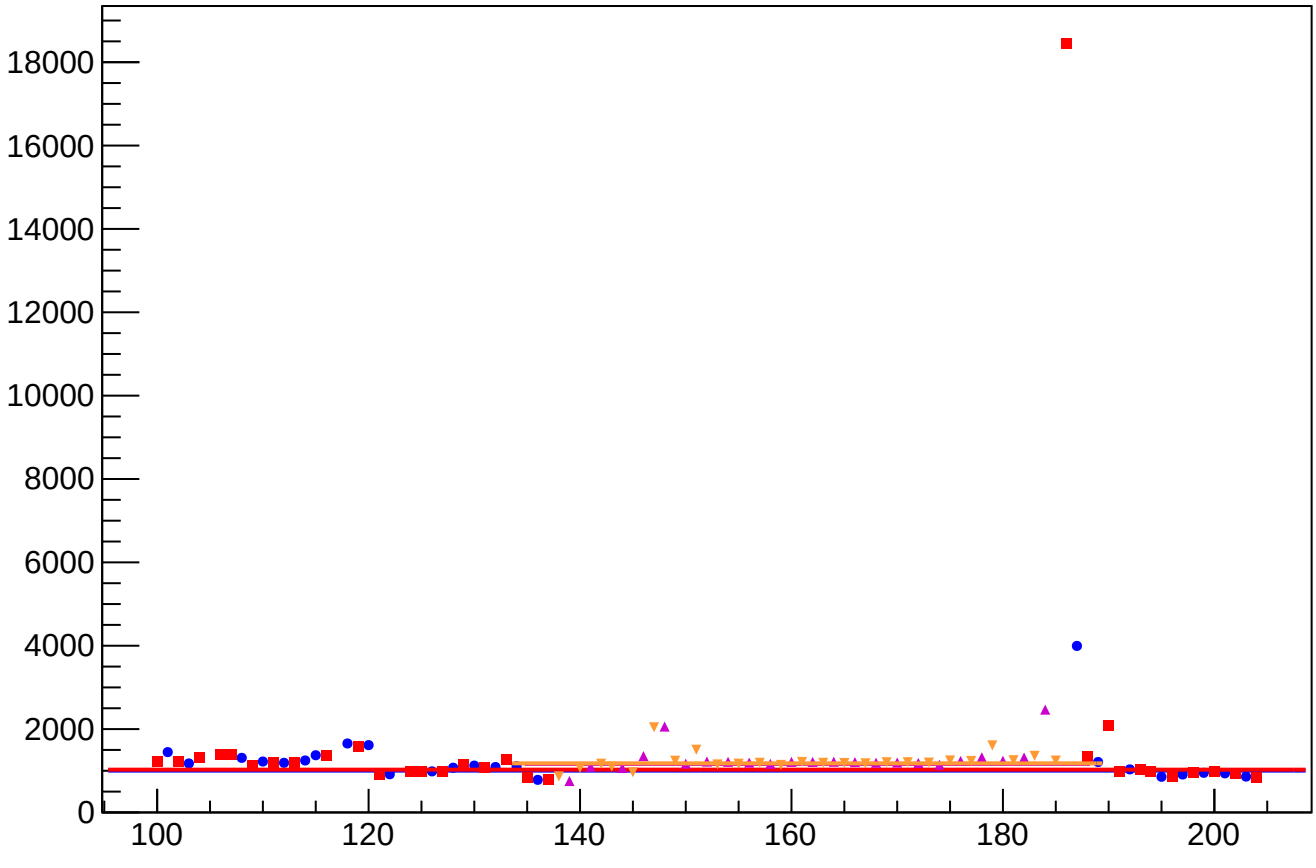
Left: -0.077+/-0.195 χ^2/NDF: 41.5/47

Right: -0.026+/-0.196 χ^2/NDF: 49.1/53

In: -0.006+/-0.199 χ^2/NDF:36.1/46

Out: -0.094+/-0.193 χ^2/NDF:54.4/54

All: -0.051+/-0.138 χ^2/NDF: 90.6/101



Right In: 1003.844+/-0.201 χ^2/NDF: 1065302.4/23

Left Out: 1177.742+/-0.193 χ^2/NDF:800899.0/24

Right Out: 1026.611+/-0.192 χ^2/NDF: 1658526.4/29

Left In: 1163.827+/-0.197 χ^2/NDF:1052206.0/22

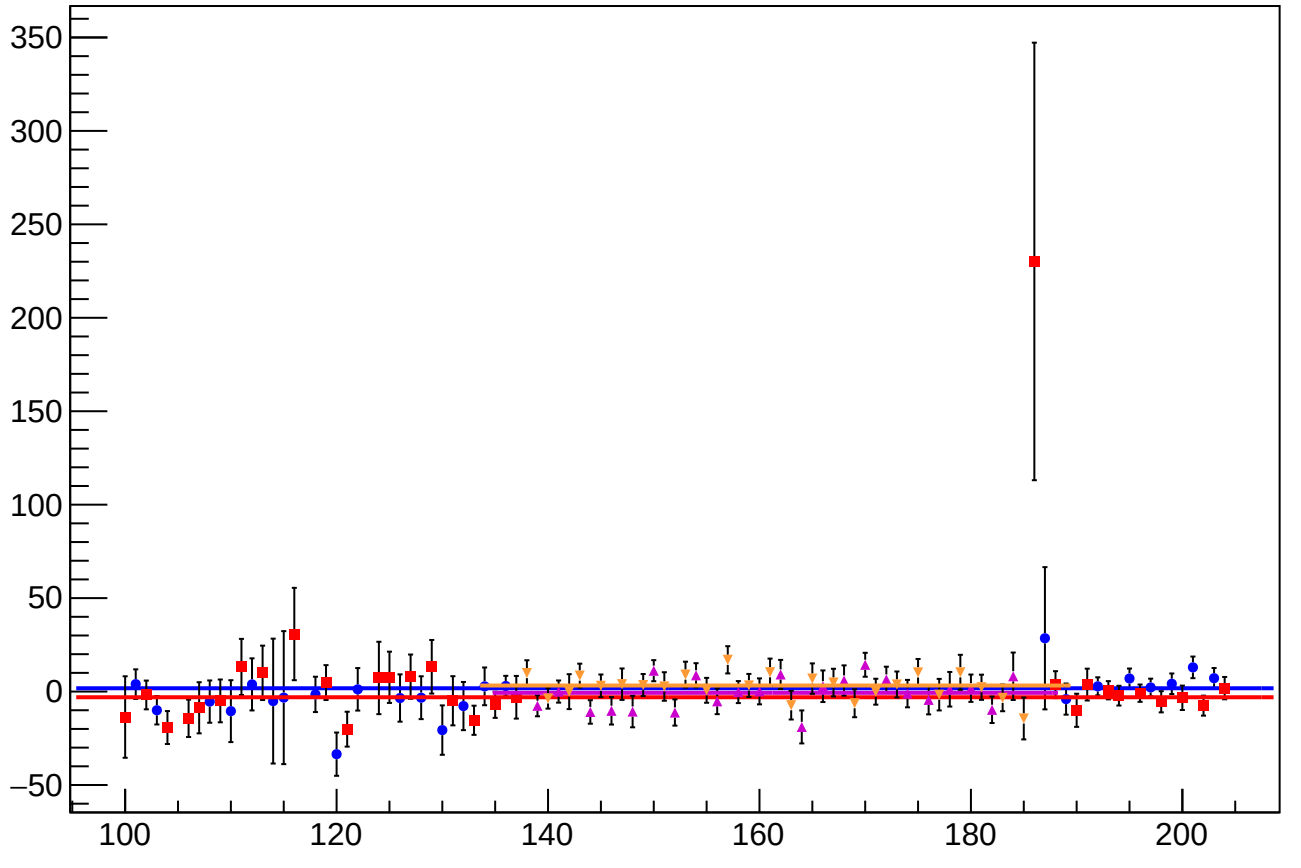
Left: 1170.916+/-0.138 χ^2/NDF: 1855646.9/47

Right: 1015.747+/-0.139 χ^2/NDF: 2730538.0/53

In: 1085.437+/-0.141 χ^2/NDF:2440708.6/46

Out: 1101.666+/-0.136 χ^2/NDF:2767118.6/54

All: 1093.812+/-0.098 χ^2/NDF: 5214694.9/10



Right In: 1.767+/-1.617 χ^2/NDF: 23.6/23

Left Out: 3.234+/-1.430 χ^2/NDF:17.9/24

Right Out: -3.048+/-1.496 χ^2/NDF: 27.4/29

Left In: -0.667+/-1.474 χ^2/NDF:32.4/22

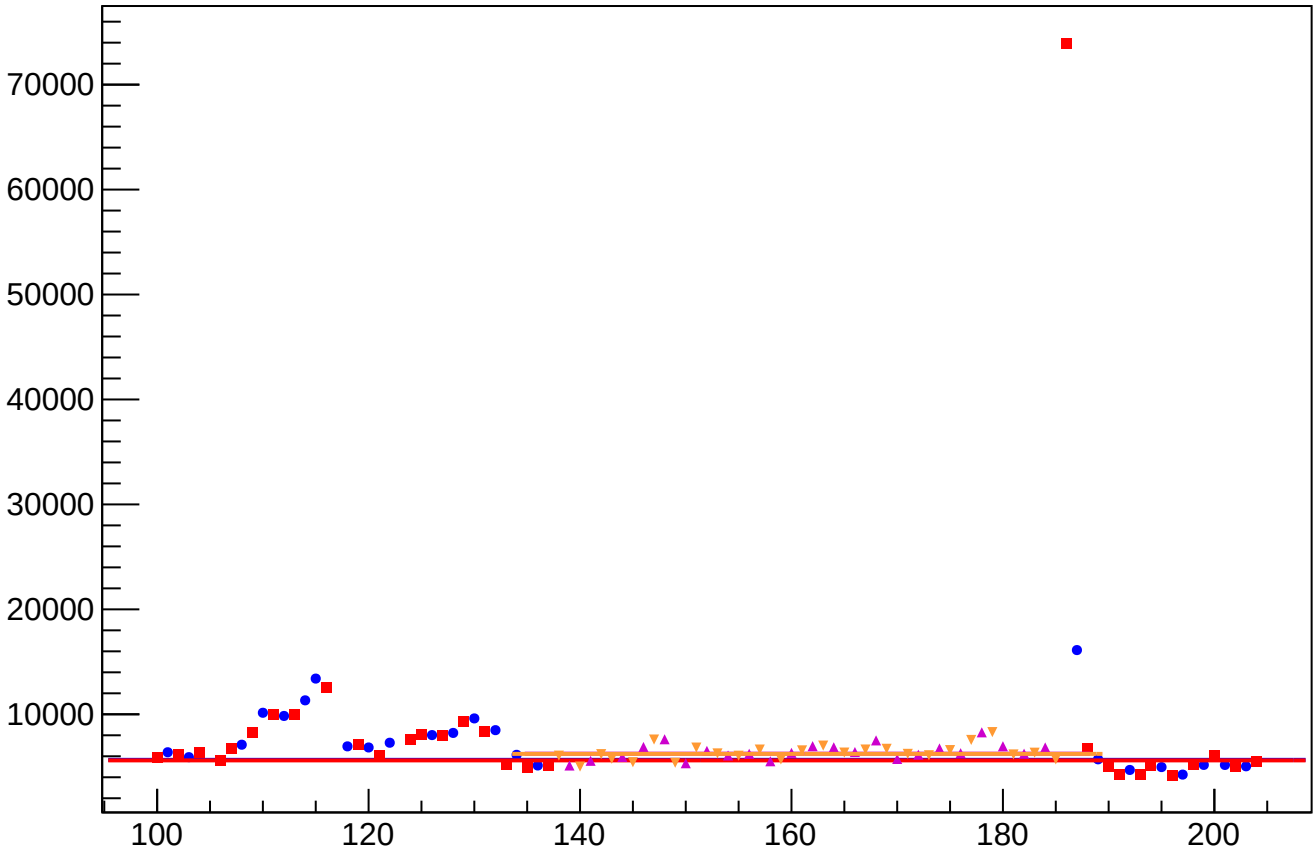
Left: 1.343+/-1.026 χ^2/NDF: 53.9/47

Right: -0.828+/-1.098 χ^2/NDF: 55.8/53

In: 0.437+/-1.089 χ^2/NDF:57.2/46

Out: 0.236+/-1.034 χ^2/NDF:54.5/54

All: 0.331+/-0.750 χ^2/NDF: 111.8/101



Right In: 5660.209+/-1.144 χ^2/NDF: 1596230.8/23

Left Out: 6228.654+/-1.011 χ^2/NDF:470851.7/24

Right Out: 5608.475+/-1.058 χ^2/NDF: 2333505.2/29

Left In: 6246.800+/-1.042 χ^2/NDF:484982.9/22

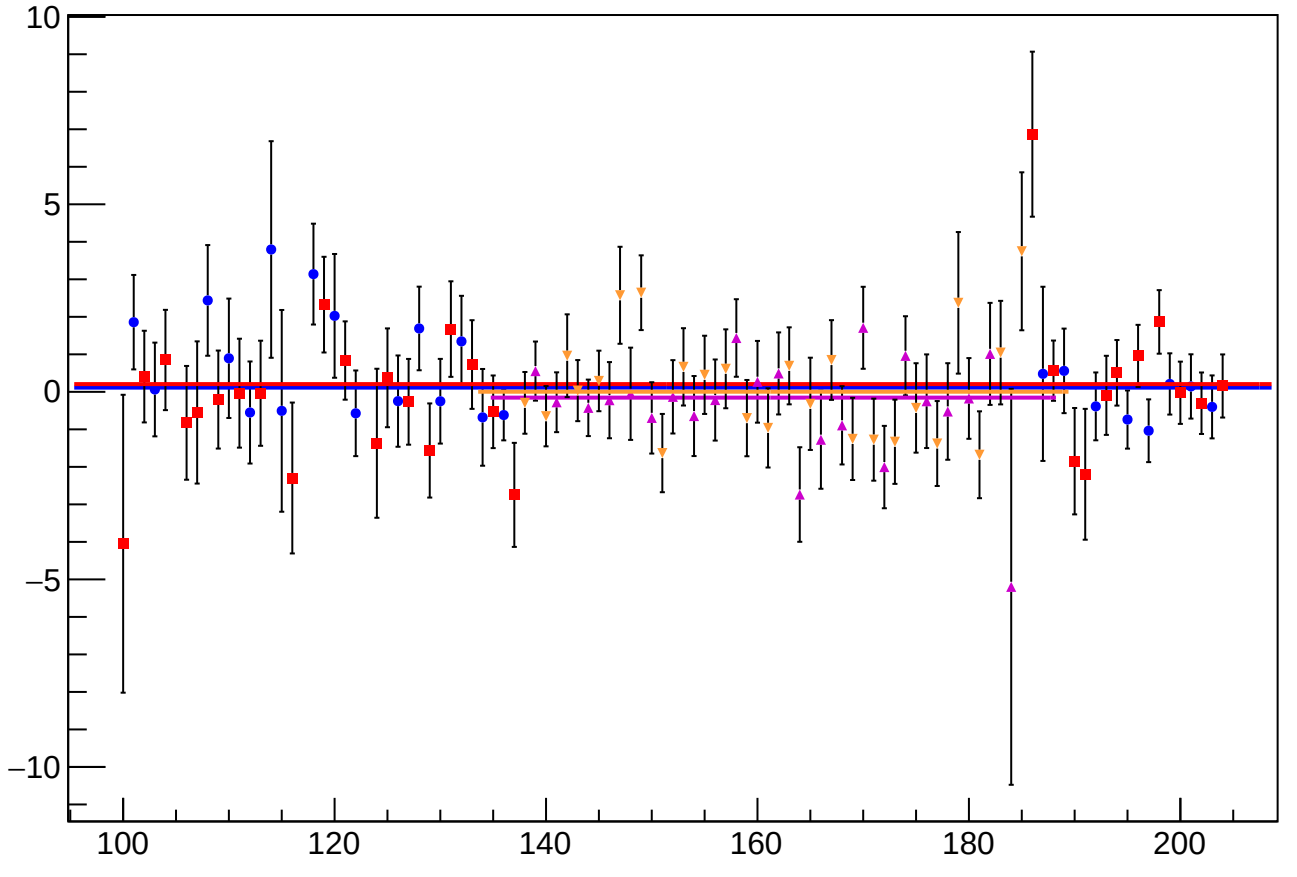
Left: 6237.452+/-0.726 χ^2/NDF: 955990.8/47

Right: 5632.331+/-0.777 χ^2/NDF: 3930838.6/53

In: 5980.712+/-0.770 χ^2/NDF:2224954.5/46

Out: 5932.670+/-0.731 χ^2/NDF:2983992.5/54

All: 5955.431+/-0.530 χ^2/NDF: 5210994.1/10



Right In: 0.113+/-0.224 χ^2/NDF: 22.1/23

Left Out: 0.003+/-0.212 χ^2/NDF:31.6/24

Right Out: 0.206+/-0.211 χ^2/NDF: 35.0/29

Left In: -0.154+/-0.221 χ^2/NDF:18.4/22

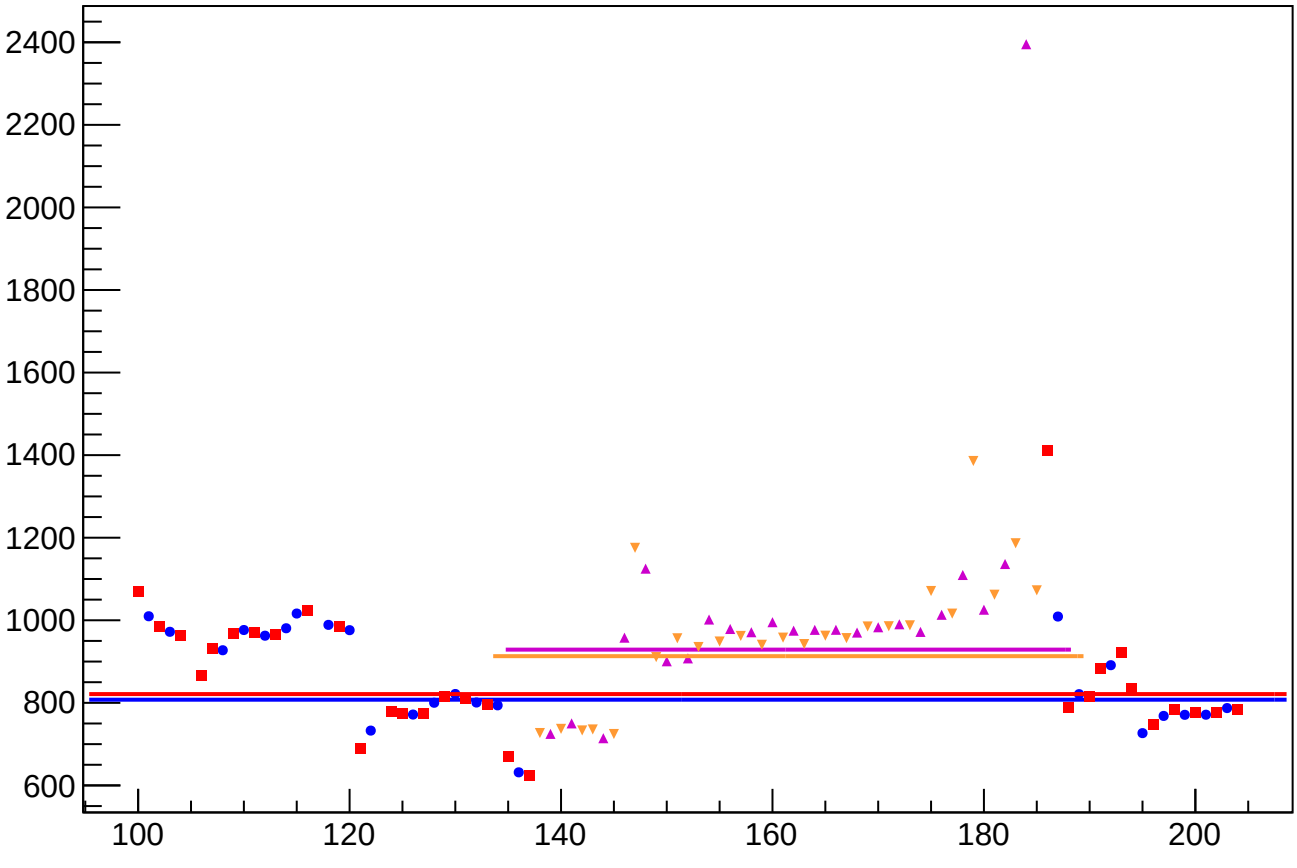
Left: -0.072+/-0.153 χ^2/NDF: 50.3/47

Right: 0.162+/-0.154 χ^2/NDF: 57.2/53

In: -0.022+/-0.157 χ^2/NDF:41.2/46

Out: 0.105+/-0.149 χ^2/NDF:67.1/54

All: 0.045+/-0.108 χ^2/NDF: 108.7/101



Right In: 807.636+/-0.158 χ^2/NDF: 438710.8/23

Left Out: 913.070+/-0.150 χ^2/NDF:889200.0/24

Right Out: 821.216+/-0.149 χ^2/NDF: 528968.3/29

Left In: 928.913+/-0.156 χ^2/NDF:769065.0/22

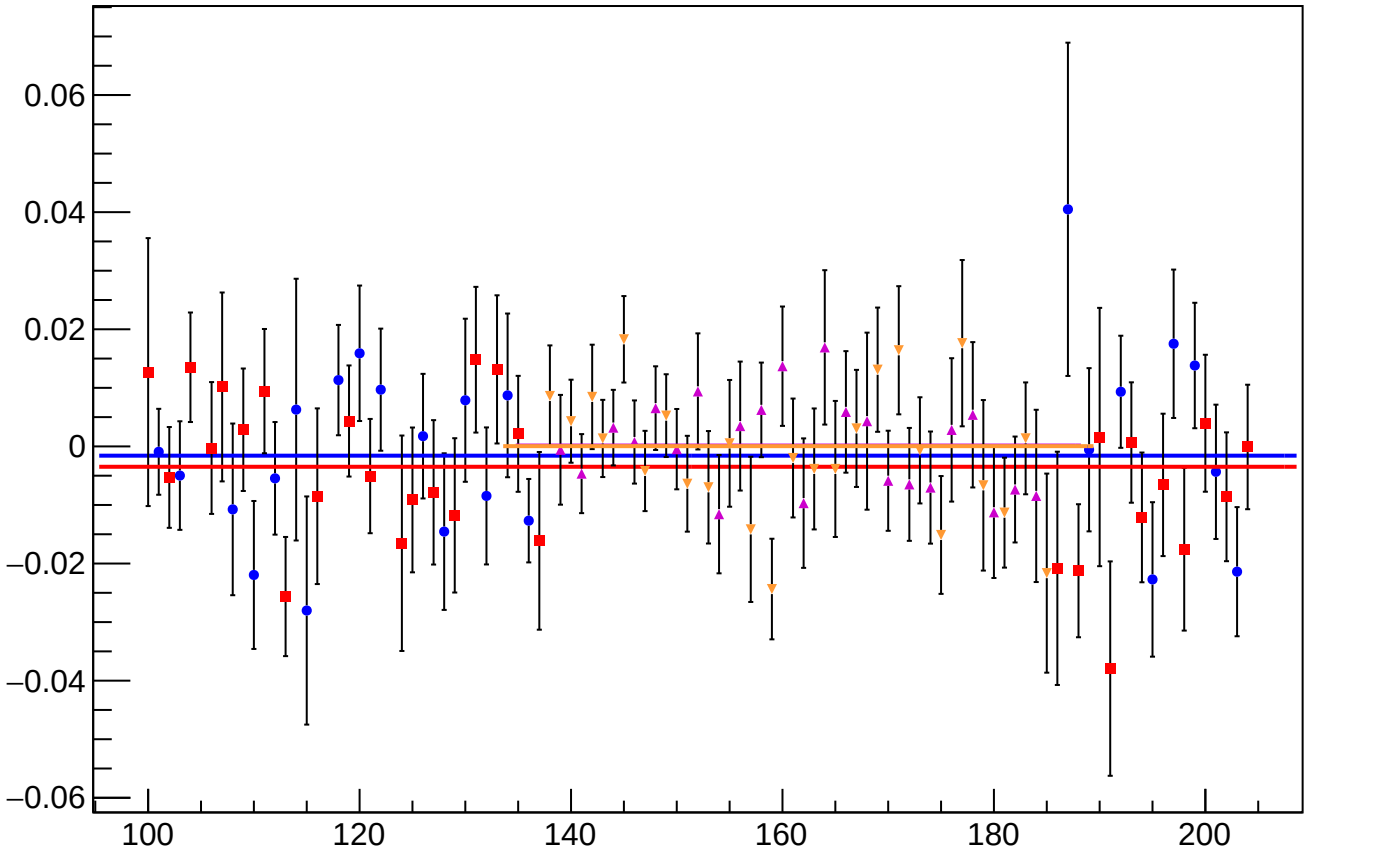
Left: 920.657+/-0.108 χ^2/NDF: 1663617.7/47

Right: 814.840+/-0.109 χ^2/NDF: 971576.2/53

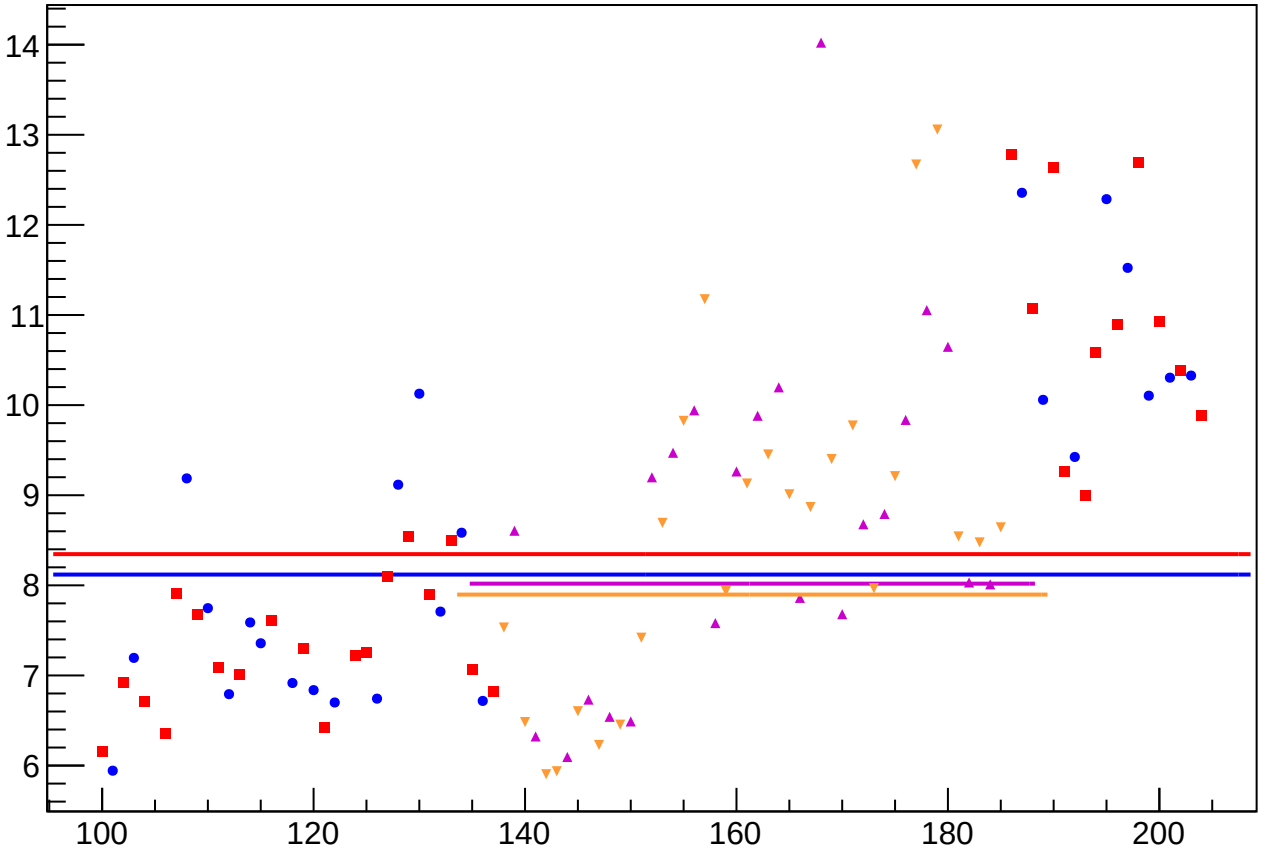
In: 869.091+/-0.111 χ^2/NDF:1504678.6/46

Out: 866.901+/-0.106 χ^2/NDF:1607022.9/54

All: 867.940+/-0.077 χ^2/NDF: 3111905.1/101


diff_dispE_bpm12X_mean vs Slug, Sign Corrected
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
100
120
140
160
180
200
Right In: -0.002+/-0.002 χ²/NDF: 29.1/23
Left Out: 0.000+/-0.002 χ²/NDF:31.1/24
Right Out: -0.003+/-0.002 χ²/NDF: 27.6/29
Left In: 0.000+/-0.002 χ²/NDF:12.8/22
Left: 0.000+/-0.001 χ²/NDF: 43.9/47
Right: -0.003+/-0.002 χ²/NDF: 57.0/53
In: -0.001+/-0.001 χ²/NDF:42.2/46
Out: -0.001+/-0.001 χ²/NDF:60.2/54
All: -0.001+/-0.001 χ²/NDF: 102.6/101

diff_dispE_bpm12X_rms vs Slug, Sign Corrected



Right In: 8.120+/-0.002 χ^2/NDF: 1198975.2/23

Left Out: 7.897+/-0.001 χ^2/NDF:1590867.7/24

Right Out: 8.346+/-0.002 χ^2/NDF: 1331142.4/29

Left In: 8.019+/-0.001 χ^2/NDF:1455714.6/22

Left: 7.956+/-0.001 χ^2/NDF: 3050743.5/47

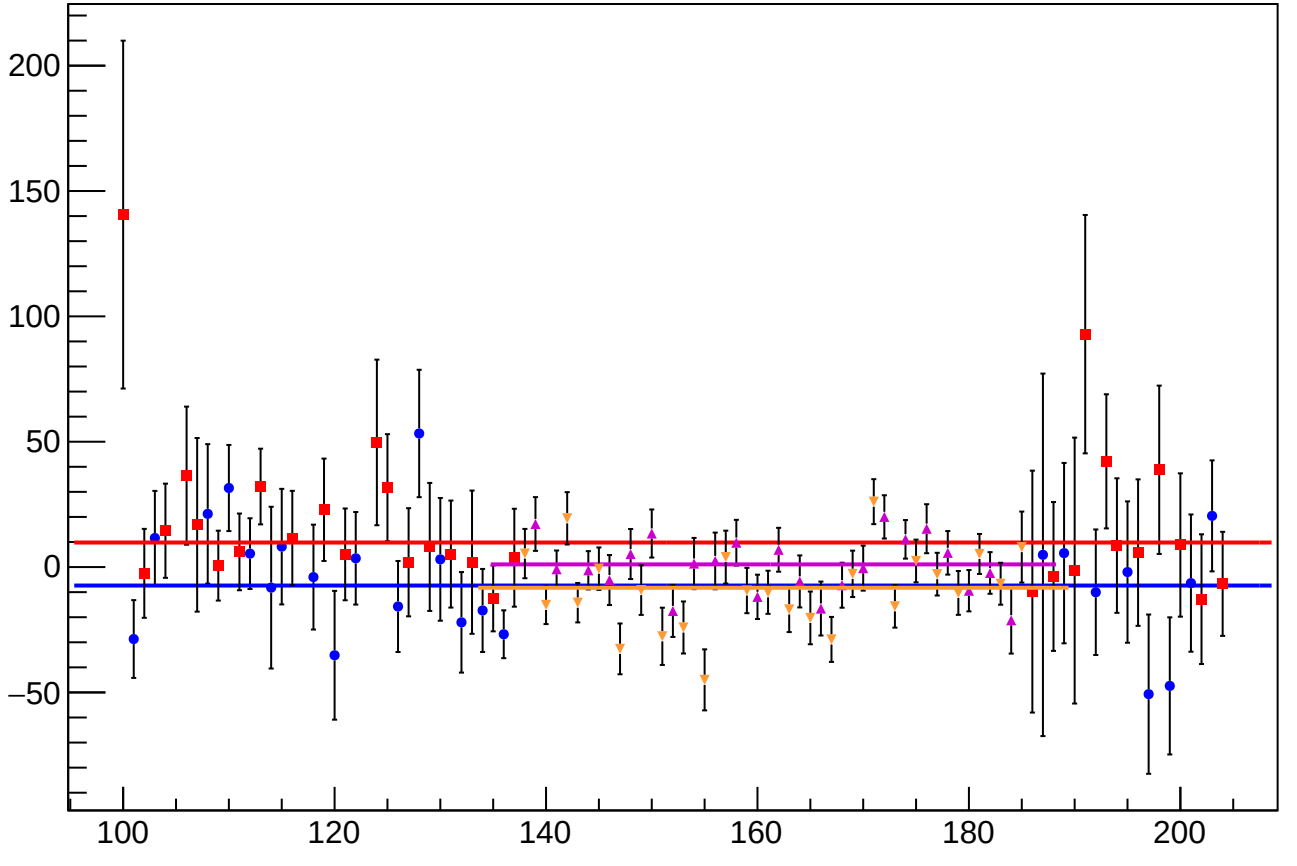
Right: 8.239+/-0.001 χ^2/NDF: 2540383.6/53

In: 8.060+/-0.001 χ^2/NDF:2656968.4/46

Out: 8.085+/-0.001 χ^2/NDF:2971478.5/54

All: 8.073+/-0.001 χ^2/NDF: 5628737.3/101

diff_targ_positionX_mean vs Slug, Sign Corrected



Right In: -7.366+/-4.111 χ^2/NDF: 28.8/23

Left Out: -8.256+/-1.849 χ^2/NDF:62.2/24

Right Out: 9.797+/-4.041 χ^2/NDF: 21.1/29

Left In: 1.072+/-1.921 χ^2/NDF:28.8/22

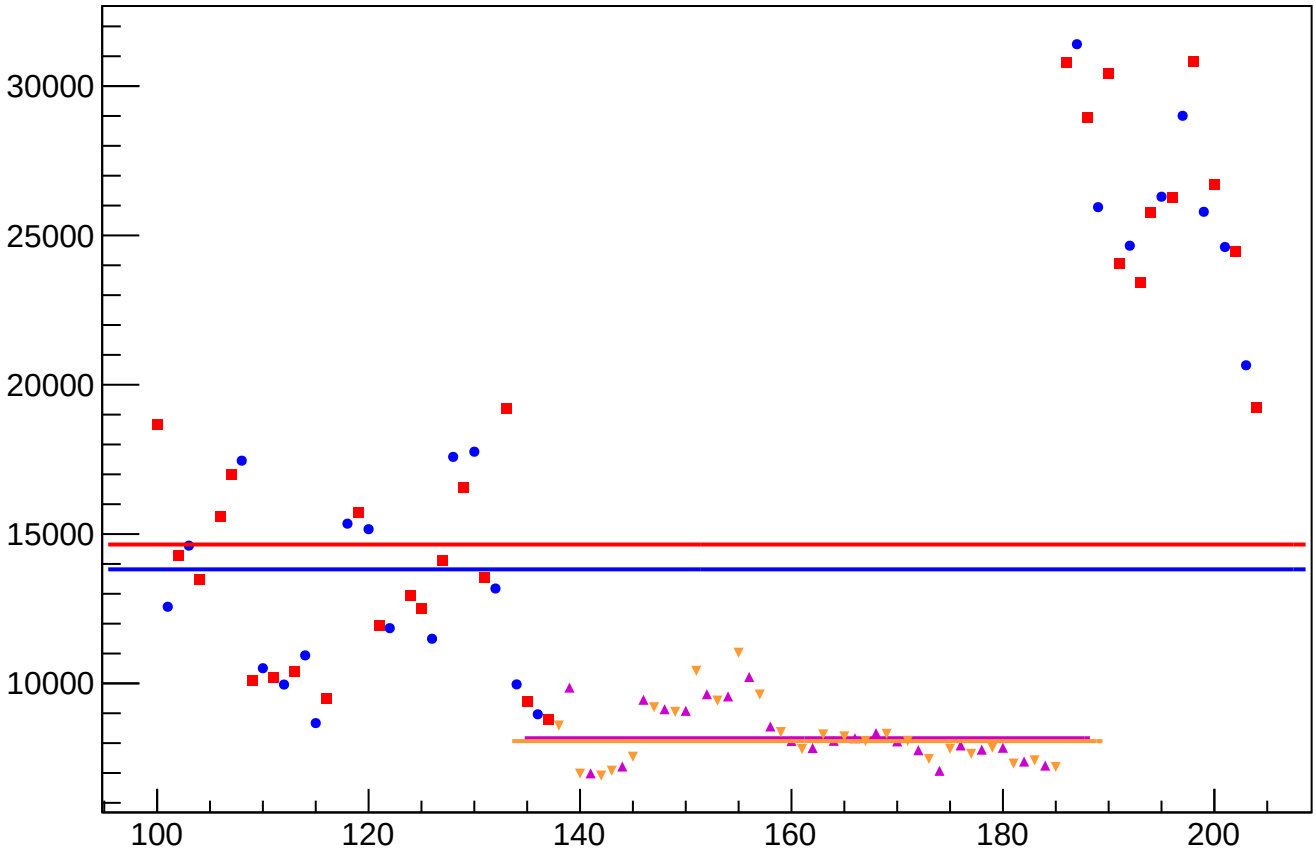
Left: -3.769+/-1.332 χ^2/NDF: 103.2/47

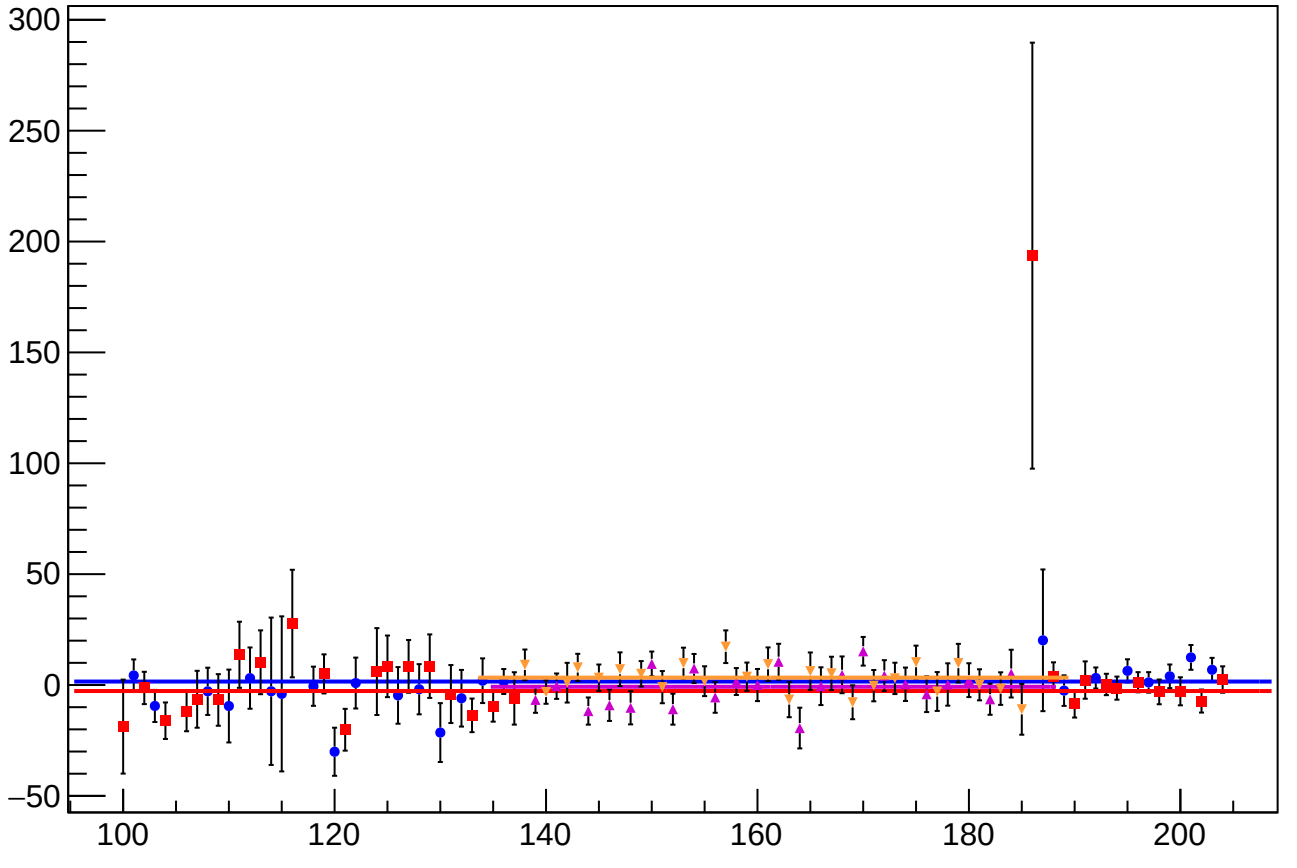
Right: 1.364+/-2.882 χ^2/NDF: 58.8/53

In: -0.440+/-1.740 χ^2/NDF:61.1/46

Out: -5.129+/-1.682 χ^2/NDF:99.8/54

All: -2.865+/-1.209 χ^2/NDF: 164.6/101


diff_targ_positionX_rms vs Slug, Sign Corrected
30000
25000
20000
15000
10000
100
120
140
160
180
200
Right In: 13818.478+/-2.907 χ²/NDF: 3639607.7/23
Left Out: 8066.710+/-1.308 χ²/NDF:498146.1/24
Right Out: 14650.532+/-2.857 χ²/NDF: 4384860.5/29
Left In: 8163.472+/-1.358 χ²/NDF:432350.3/22
Left: 8113.259+/-0.942 χ²/NDF: 933130.1/47
Right: 14241.730+/-2.038 χ²/NDF: 8066137.0/53
In: 9176.669+/-1.231 χ²/NDF:7177801.9/46
Out: 9207.118+/-1.189 χ²/NDF:9273313.0/54
All: 9192.415+/-0.855 χ²/NDF: 16451431.5/1



Right In: 1.567+/-1.571 χ^2/NDF: 22.0/23

Left Out: 3.330+/-1.431 χ^2/NDF:16.9/24

Right Out: -2.710+/-1.440 χ^2/NDF: 26.8/29

Left In: -0.797+/-1.479 χ^2/NDF:29.4/22

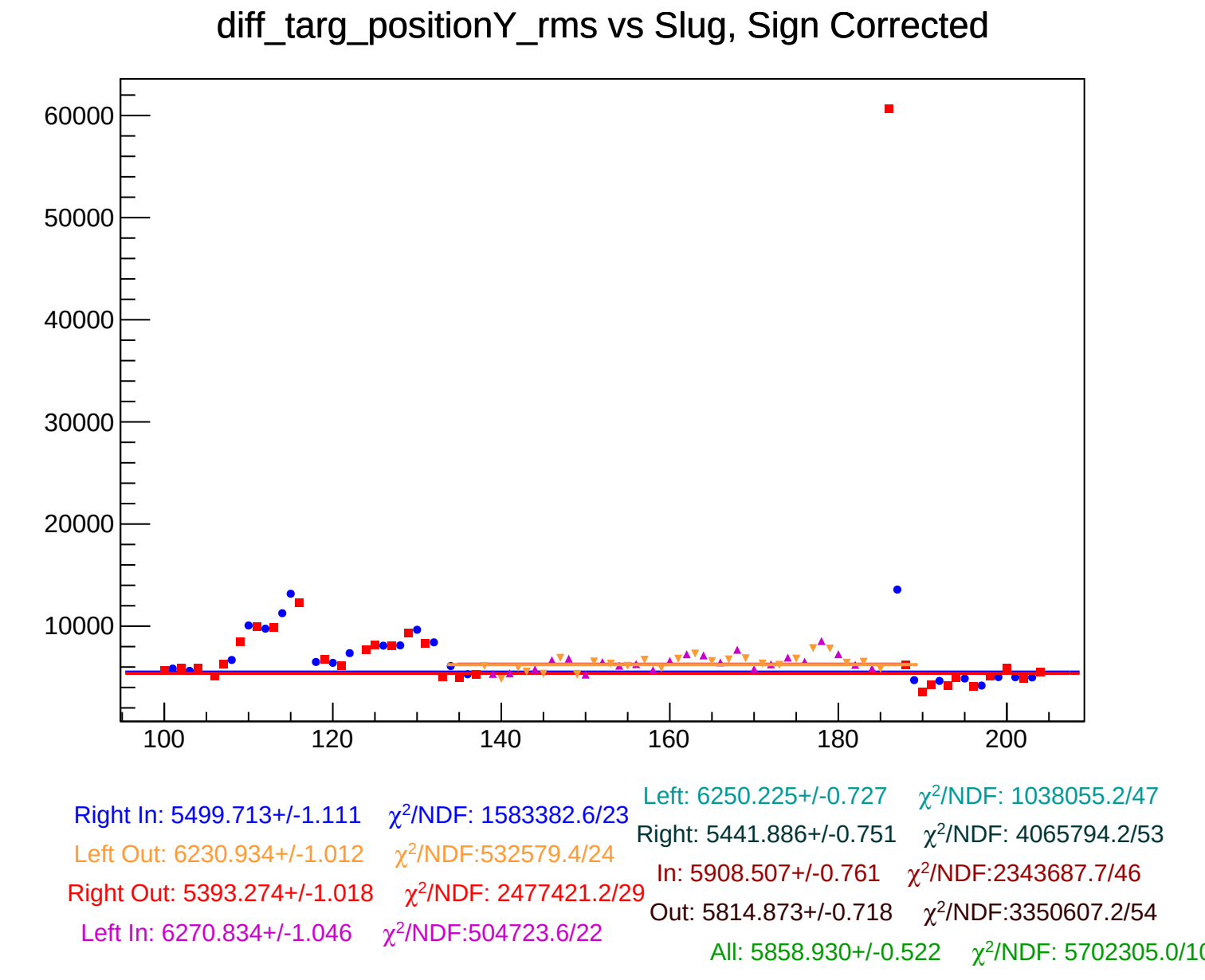
Left: 1.335+/-1.028 χ^2/NDF: 50.4/47

Right: -0.757+/-1.061 χ^2/NDF: 52.9/53

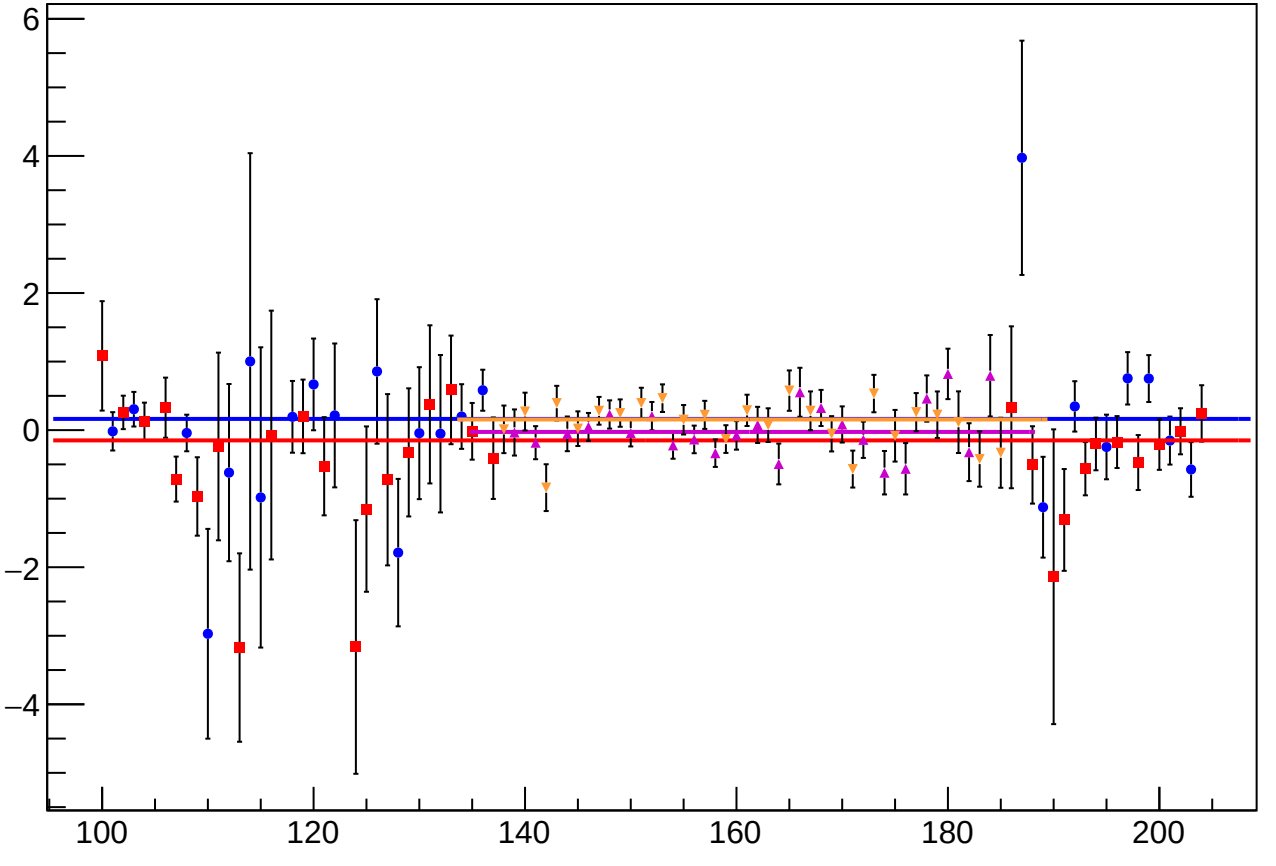
In: 0.314+/-1.077 χ^2/NDF:52.7/46

Out: 0.330+/-1.015 χ^2/NDF:52.6/54

All: 0.322+/-0.738 χ^2/NDF: 105.3/101


diff_targ_positionY_rms vs Slug, Sign Corrected
60000
50000
40000
30000
20000
10000
100
120
140
160
180
200
Right In: 5499.713+/-1.111 χ²/NDF: 1583382.6/23
Left Out: 6230.934+/-1.012 χ²/NDF:532579.4/24
Right Out: 5393.274+/-1.018 χ²/NDF: 2477421.2/29
Left In: 6270.834+/-1.046 χ²/NDF:504723.6/22
Left: 6250.225+/-0.727 χ²/NDF: 1038055.2/47
Right: 5441.886+/-0.751 χ²/NDF: 4065794.2/53
In: 5908.507+/-0.761 χ²/NDF:2343687.7/46
Out: 5814.873+/-0.718 χ²/NDF:3350607.2/54
All: 5858.930+/-0.522 χ²/NDF: 5702305.0/10

diff_targ_thetaX_mean vs Slug, Sign Corrected



Right In: 0.164+/-0.094 χ^2/NDF: 31.2/23

Left Out: 0.156+/-0.052 χ^2/NDF:32.3/24

Right Out: -0.150+/-0.090 χ^2/NDF: 29.7/29

Left In: -0.026+/-0.053 χ^2/NDF:29.8/22

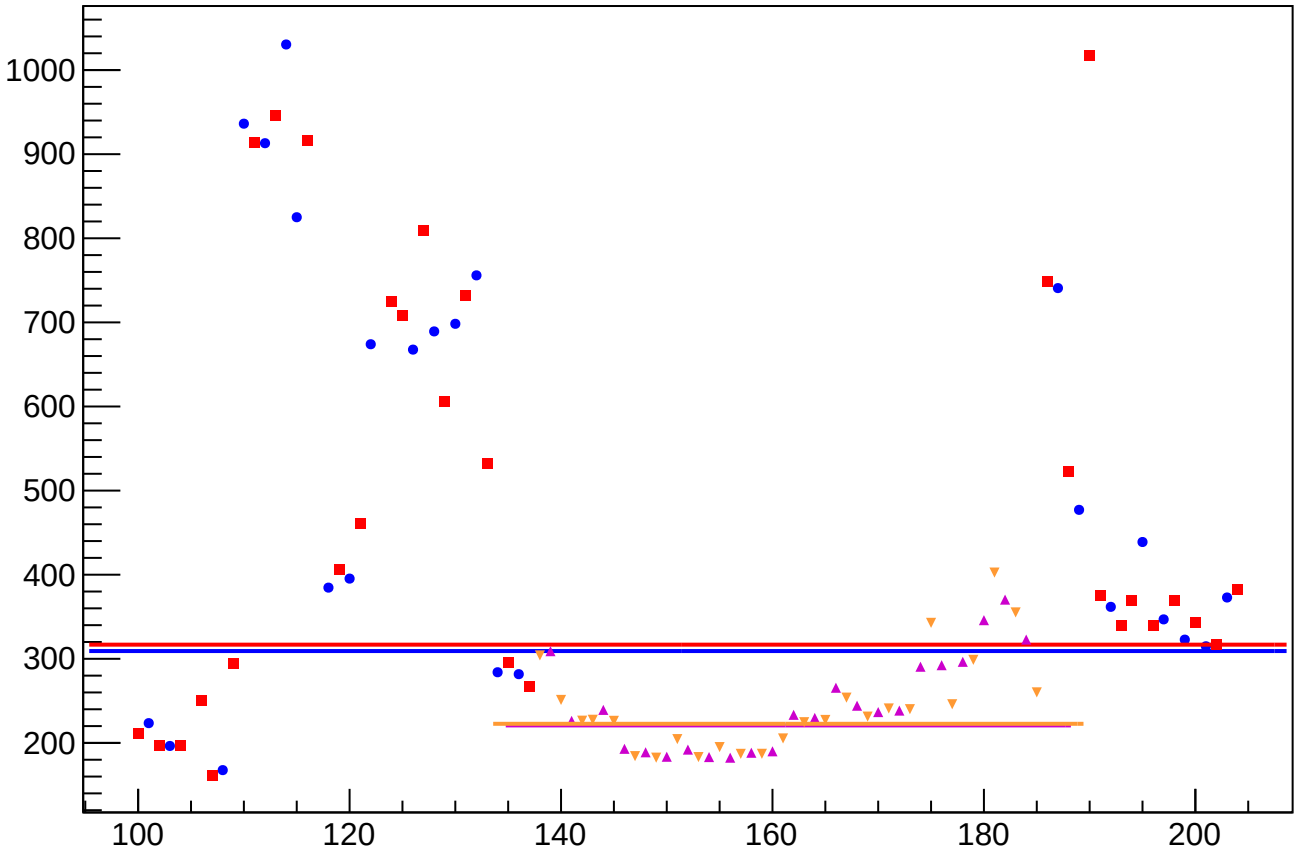
Left: 0.066+/-0.037 χ^2/NDF: 68.1/47

Right: -0.000+/-0.065 χ^2/NDF: 66.7/53

In: 0.020+/-0.046 χ^2/NDF:64.1/46

Out: 0.079+/-0.045 χ^2/NDF:70.6/54

All: 0.050+/-0.032 χ^2/NDF: 135.6/101



Right In: 309.225+/-0.066 χ^2/NDF: 4093825.2/23

Left Out: 222.727+/-0.037 χ^2/NDF:1451363.0/24

Right Out: 316.823+/-0.063 χ^2/NDF: 4698200.7/29

Left In: 220.802+/-0.037 χ^2/NDF:1471497.9/22

Left: 221.784+/-0.026 χ^2/NDF: 2924208.1/47

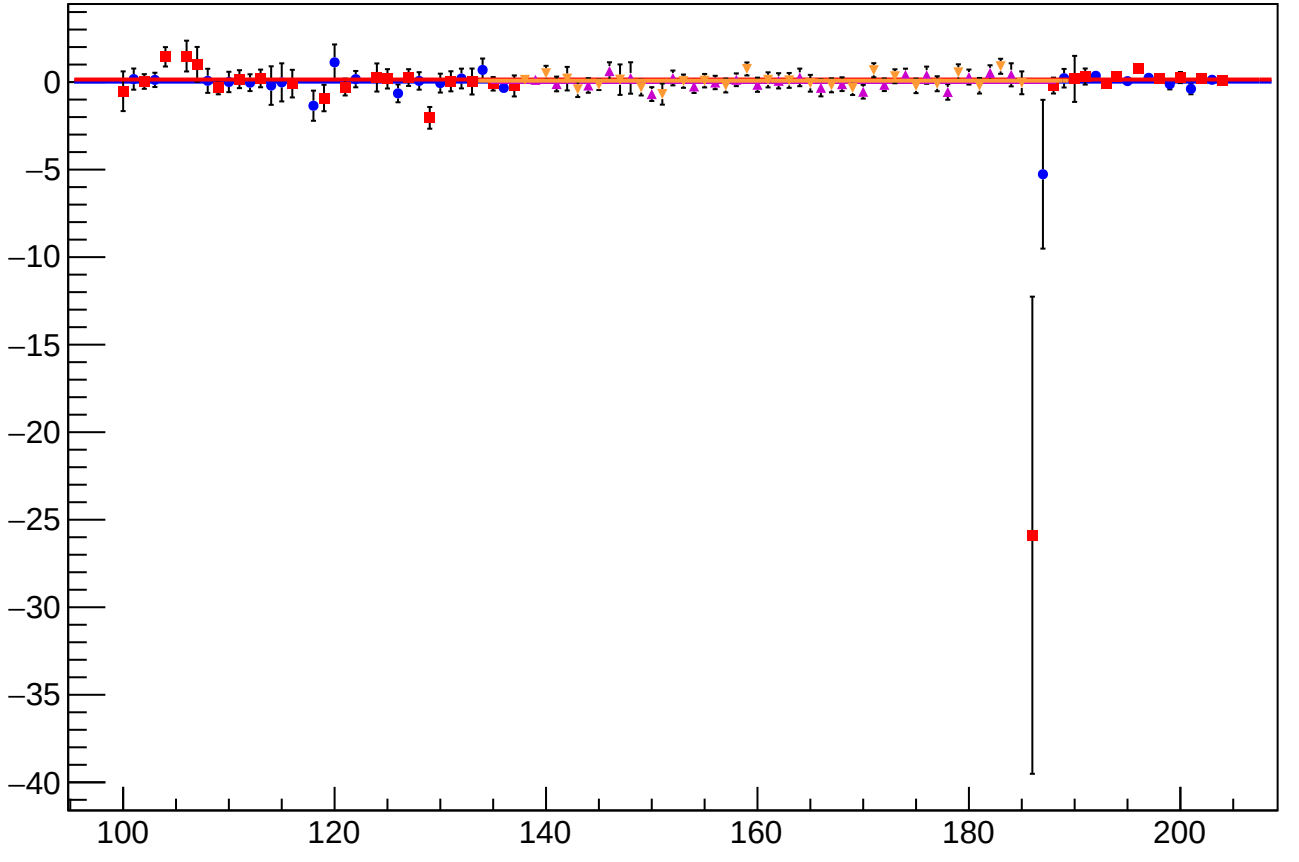
Right: 313.193+/-0.046 χ^2/NDF: 8798893.3/53

In: 242.213+/-0.033 χ^2/NDF:6914823.9/46

Out: 246.362+/-0.032 χ^2/NDF:7800164.9/54

All: 244.342+/-0.023 χ^2/NDF: 14723298.0/10

diff_targ_thetaY_mean vs Slug, Sign Corrected



Right In: 0.025+/-0.084 χ^2/NDF: 14.7/23

Left Out: 0.079+/-0.084 χ^2/NDF:19.0/24

Right Out: 0.146+/-0.078 χ^2/NDF: 37.9/29

Left In: 0.009+/-0.083 χ^2/NDF:15.2/22

Left: 0.043+/-0.059 χ^2/NDF: 34.6/47

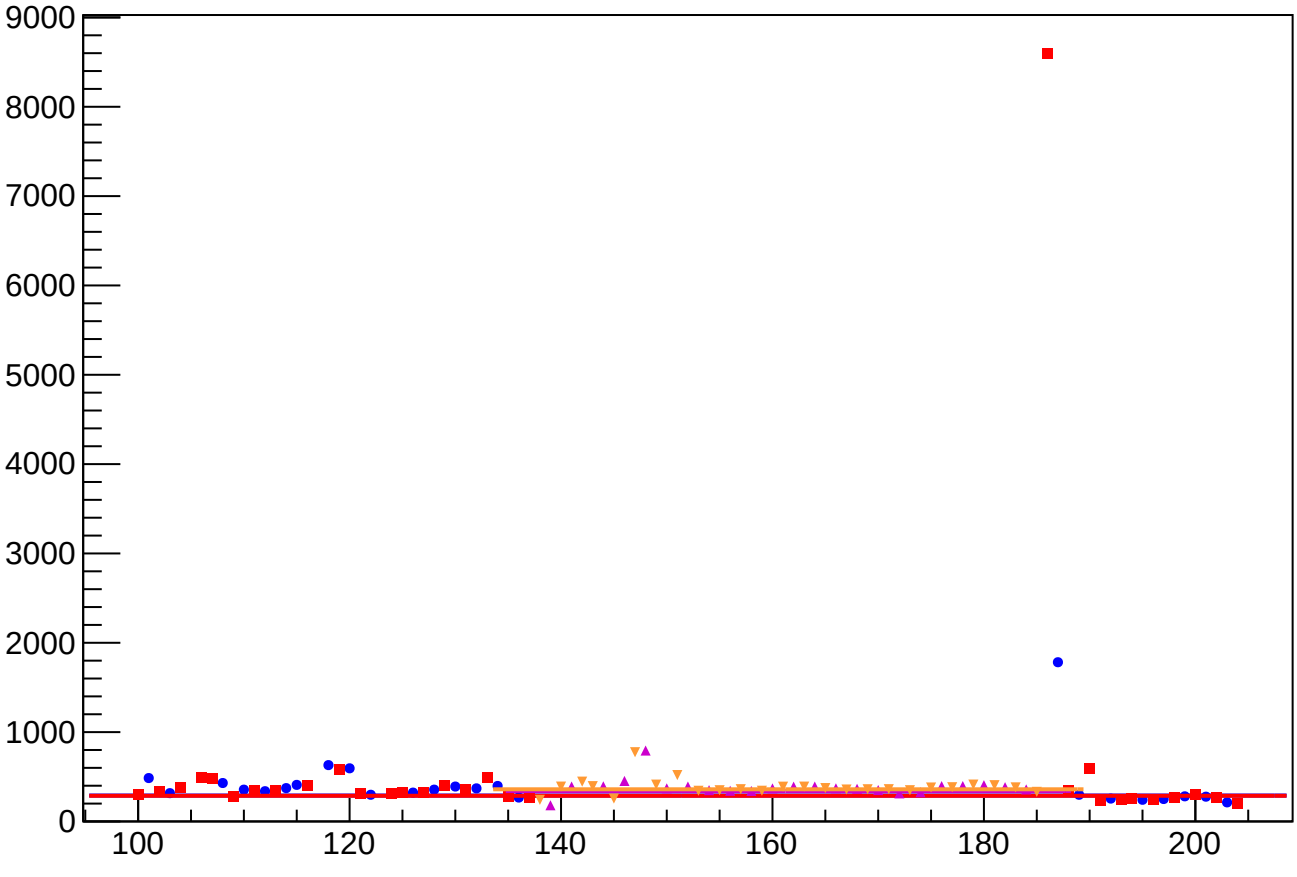
Right: 0.090+/-0.057 χ^2/NDF: 53.7/53

In: 0.017+/-0.059 χ^2/NDF:29.9/46

Out: 0.115+/-0.057 χ^2/NDF:57.2/54

All: 0.067+/-0.041 χ^2/NDF: 88.6/101

diff_targ_thetaY_rms vs Slug, Sign Corrected



Right In: 290.357+/-0.059 χ^2/NDF: 1710193.2/23

Left Out: 360.021+/-0.060 χ^2/NDF:1339748.9/24

Right Out: 287.353+/-0.055 χ^2/NDF: 2267956.0/29

Left In: 340.020+/-0.059 χ^2/NDF:2225094.5/22

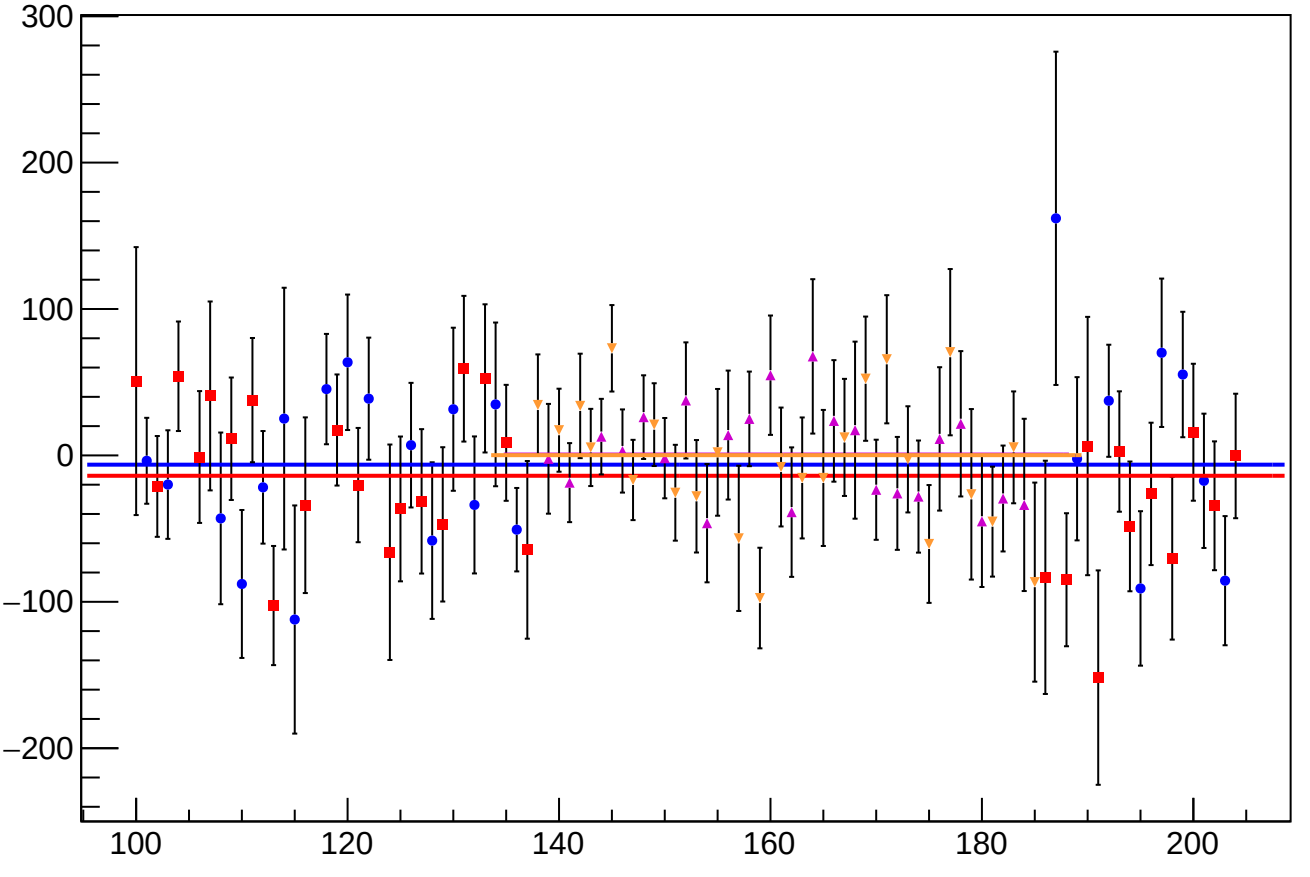
Left: 349.842+/-0.042 χ^2/NDF: 3622132.3/47

Right: 288.745+/-0.040 χ^2/NDF: 3979530.5/53

In: 315.461+/-0.042 χ^2/NDF:4290950.9/46

Out: 320.773+/-0.040 χ^2/NDF:4410200.6/54

All: 318.195+/-0.029 χ^2/NDF: 8709531.2/101



Right In: -6.326+/-9.175 χ^2/NDF: 29.1/23

Left Out: 0.168+/-7.375 χ^2/NDF:31.1/24

Right Out: -13.909+/-8.713 χ^2/NDF: 27.6/29

Left In: 0.586+/-7.667 χ^2/NDF:12.8/22

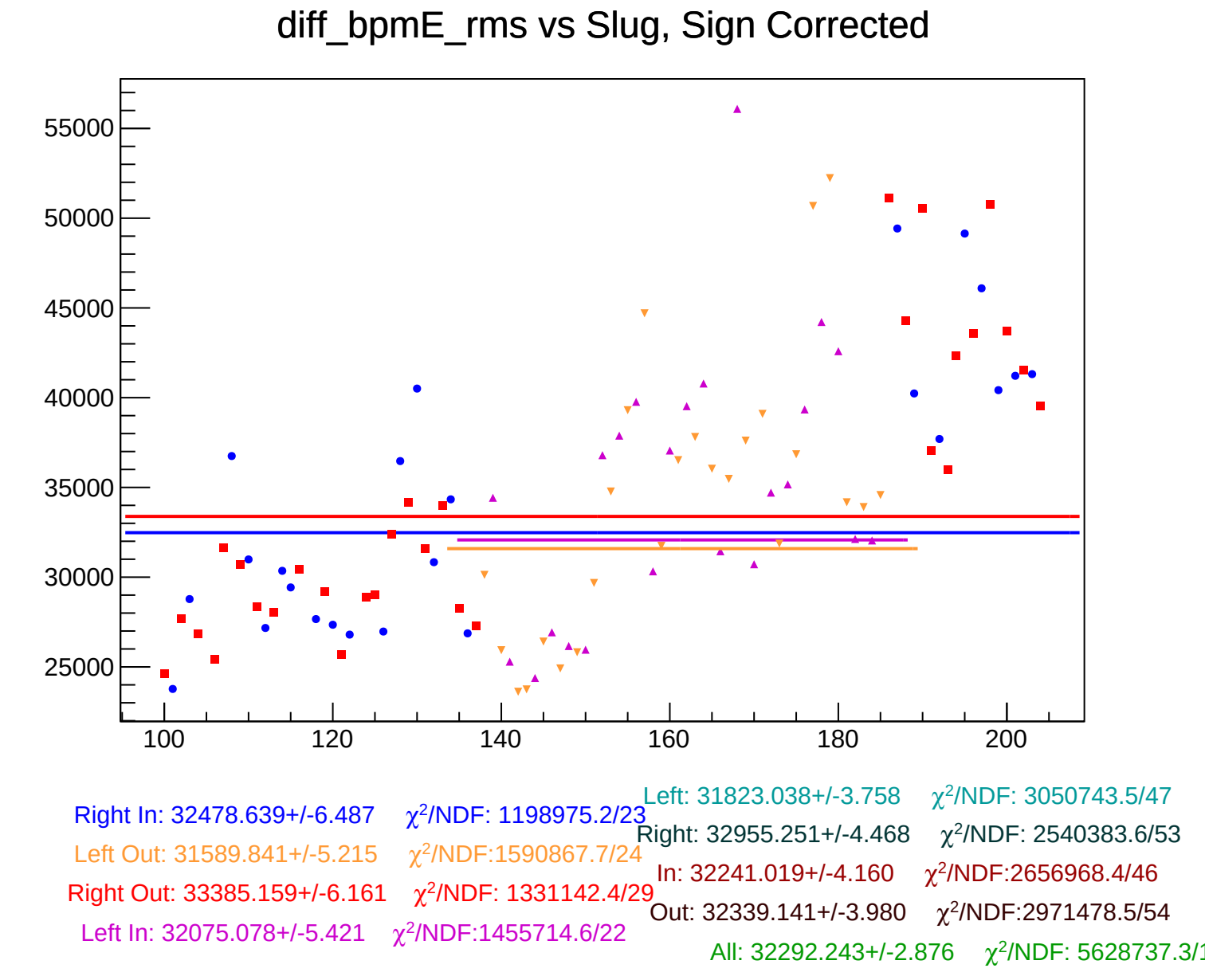
Left: 0.369+/-5.315 χ^2/NDF: 43.9/47

Right: -10.313+/-6.318 χ^2/NDF: 57.0/53

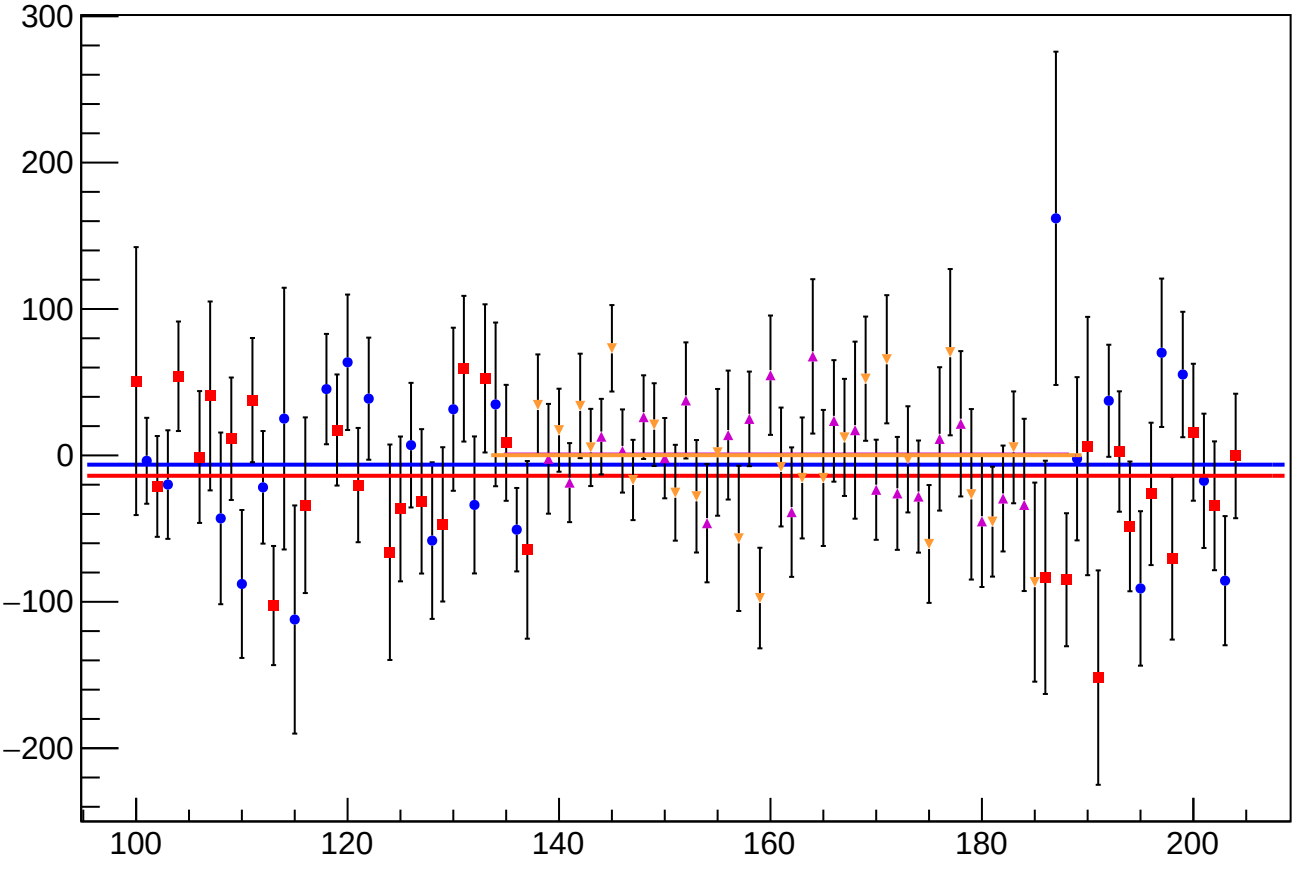
In: -2.256+/-5.883 χ^2/NDF:42.2/46

Out: -5.707+/-5.629 χ^2/NDF:60.2/54

All: -4.058+/-4.067 χ^2/NDF: 102.6/101


diff_bpmE_rms vs Slug, Sign Corrected
55000
50000
45000
40000
35000
30000
25000
100
120
140
160
180
200
Right In: 32478.639+/-6.487 χ²/NDF: 1198975.2/23
Left Out: 31589.841+/-5.215 χ²/NDF:1590867.7/24
Right Out: 33385.159+/-6.161 χ²/NDF: 1331142.4/29
Left In: 32075.078+/-5.421 χ²/NDF:1455714.6/22
Left: 31823.038+/-3.758 χ²/NDF: 3050743.5/47
Right: 32955.251+/-4.468 χ²/NDF: 2540383.6/53
In: 32241.019+/-4.160 χ²/NDF:2656968.4/46
Out: 32339.141+/-3.980 χ²/NDF:2971478.5/54
All: 32292.243+/-2.876 χ²/NDF: 5628737.3/1

diff_bpmEX_mean vs Slug, Sign Corrected



Right In: -6.326+/-9.175 χ^2/NDF: 29.1/23

Left Out: 0.168+/-7.375 χ^2/NDF:31.1/24

Right Out: -13.909+/-8.713 χ^2/NDF: 27.6/29

Left In: 0.586+/-7.667 χ^2/NDF:12.8/22

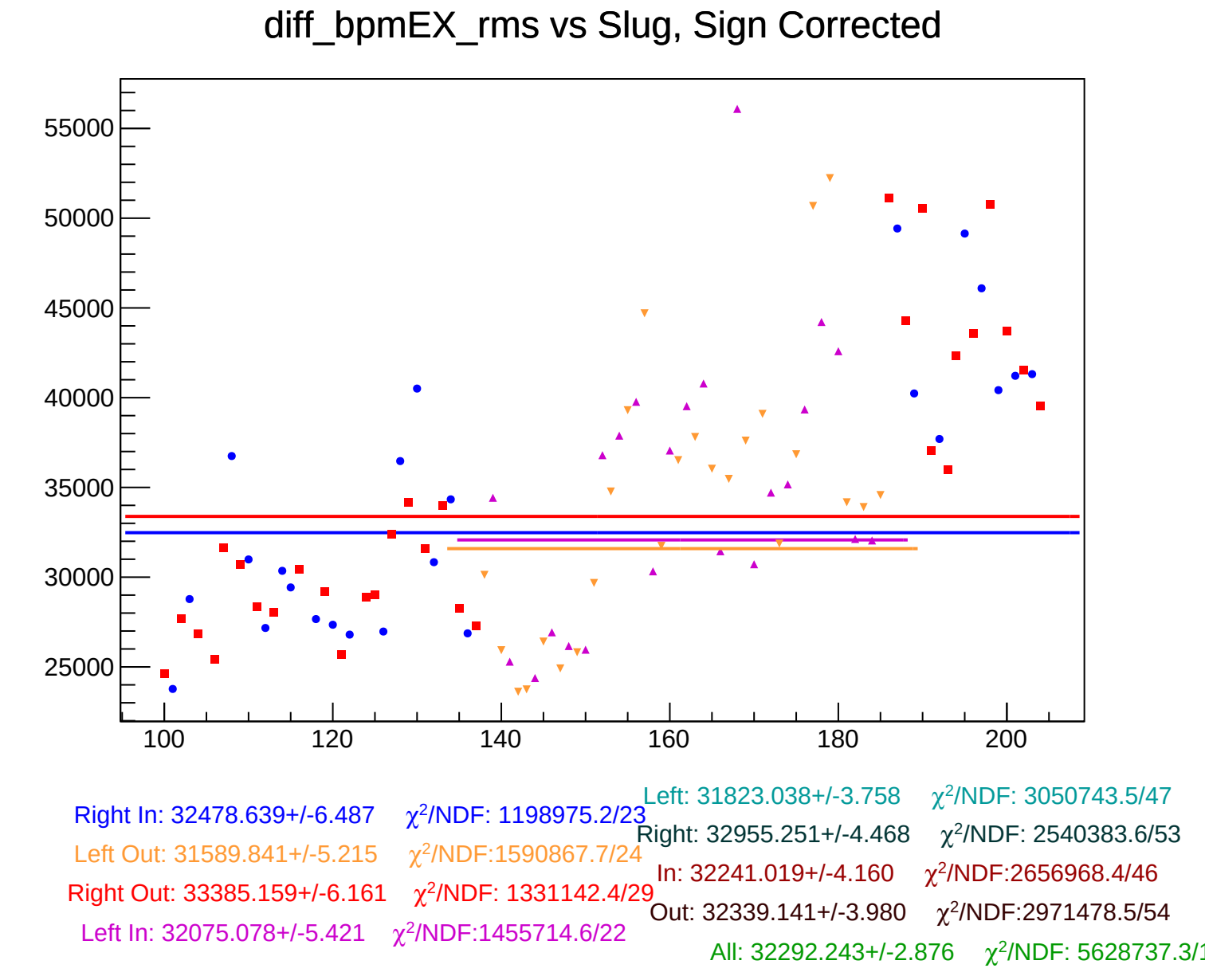
Left: 0.369+/-5.315 χ^2/NDF: 43.9/47

Right: -10.313+/-6.318 χ^2/NDF: 57.0/53

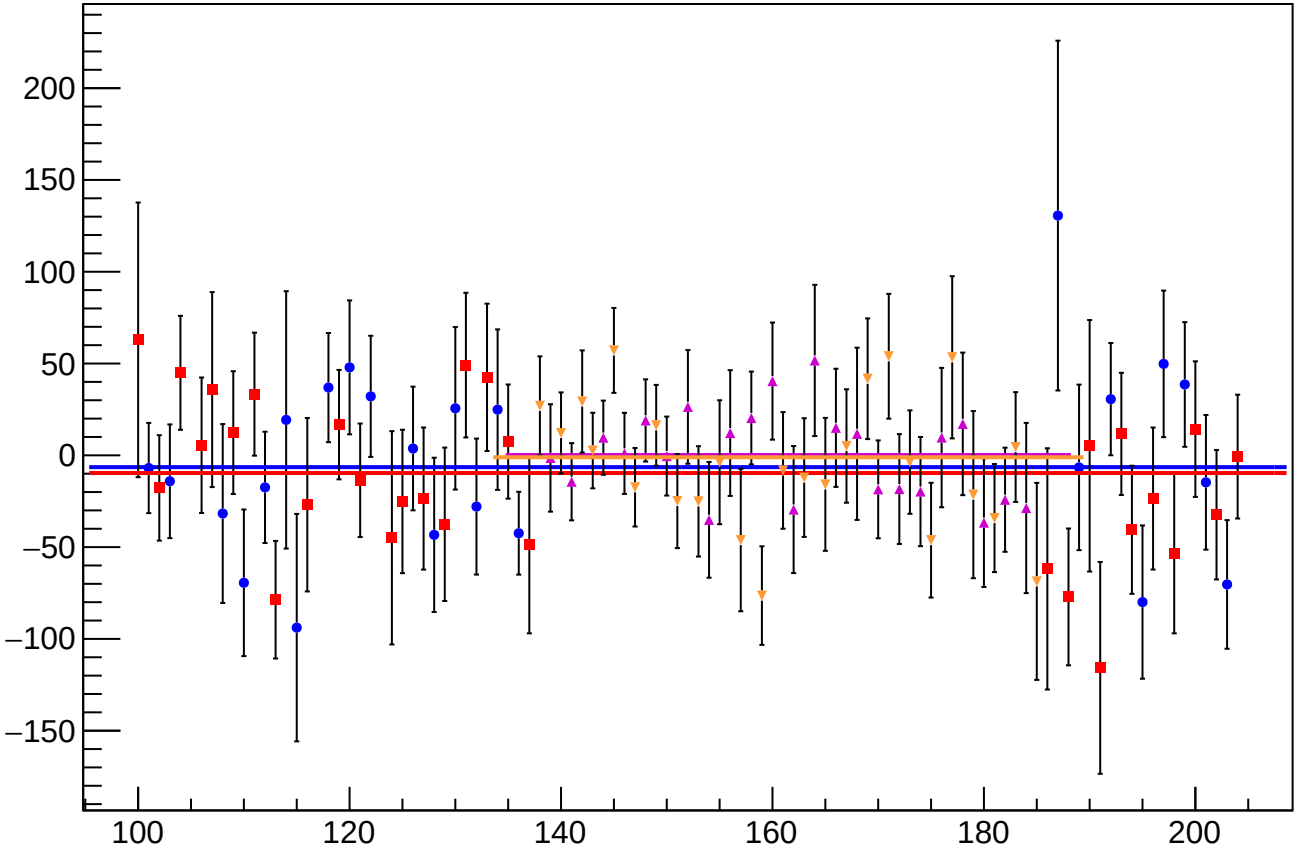
In: -2.256+/-5.883 χ^2/NDF:42.2/46

Out: -5.707+/-5.629 χ^2/NDF:60.2/54

All: -4.058+/-4.067 χ^2/NDF: 102.6/101


diff_bpmEX_rms vs Slug, Sign Corrected
55000
50000
45000
40000
35000
30000
25000
100
120
140
160
180
200
Right In: 32478.639+/-6.487 χ²/NDF: 1198975.2/23
Left Out: 31589.841+/-5.215 χ²/NDF:1590867.7/24
Right Out: 33385.159+/-6.161 χ²/NDF: 1331142.4/29
Left In: 32075.078+/-5.421 χ²/NDF:1455714.6/22
Left: 31823.038+/-3.758 χ²/NDF: 3050743.5/47
Right: 32955.251+/-4.468 χ²/NDF: 2540383.6/53
In: 32241.019+/-4.160 χ²/NDF:2656968.4/46
Out: 32339.141+/-3.980 χ²/NDF:2971478.5/54
All: 32292.243+/-2.876 χ²/NDF: 5628737.3/1

diff_bpmE_11X12X_mean vs Slug, Sign Corrected



Right In: -6.437+/-7.337 χ^2/NDF: 29.3/23

Left Out: -1.042+/-5.755 χ^2/NDF:32.3/24

Right Out: -9.642+/-6.963 χ^2/NDF: 29.2/29

Left In: 0.147+/-5.985 χ^2/NDF:12.1/22

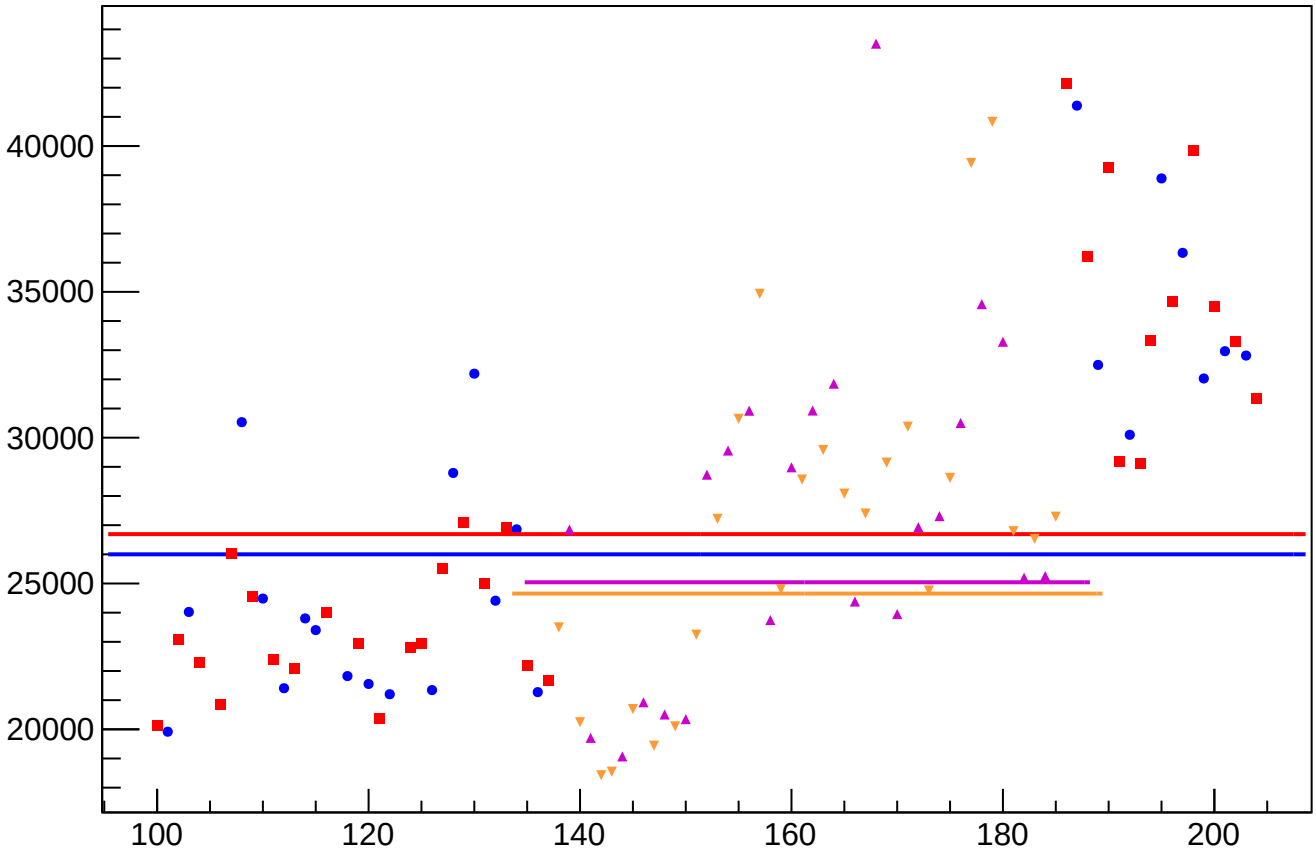
Left: -0.471+/-4.148 χ^2/NDF: 44.5/47

Right: -8.123+/-5.051 χ^2/NDF: 58.7/53

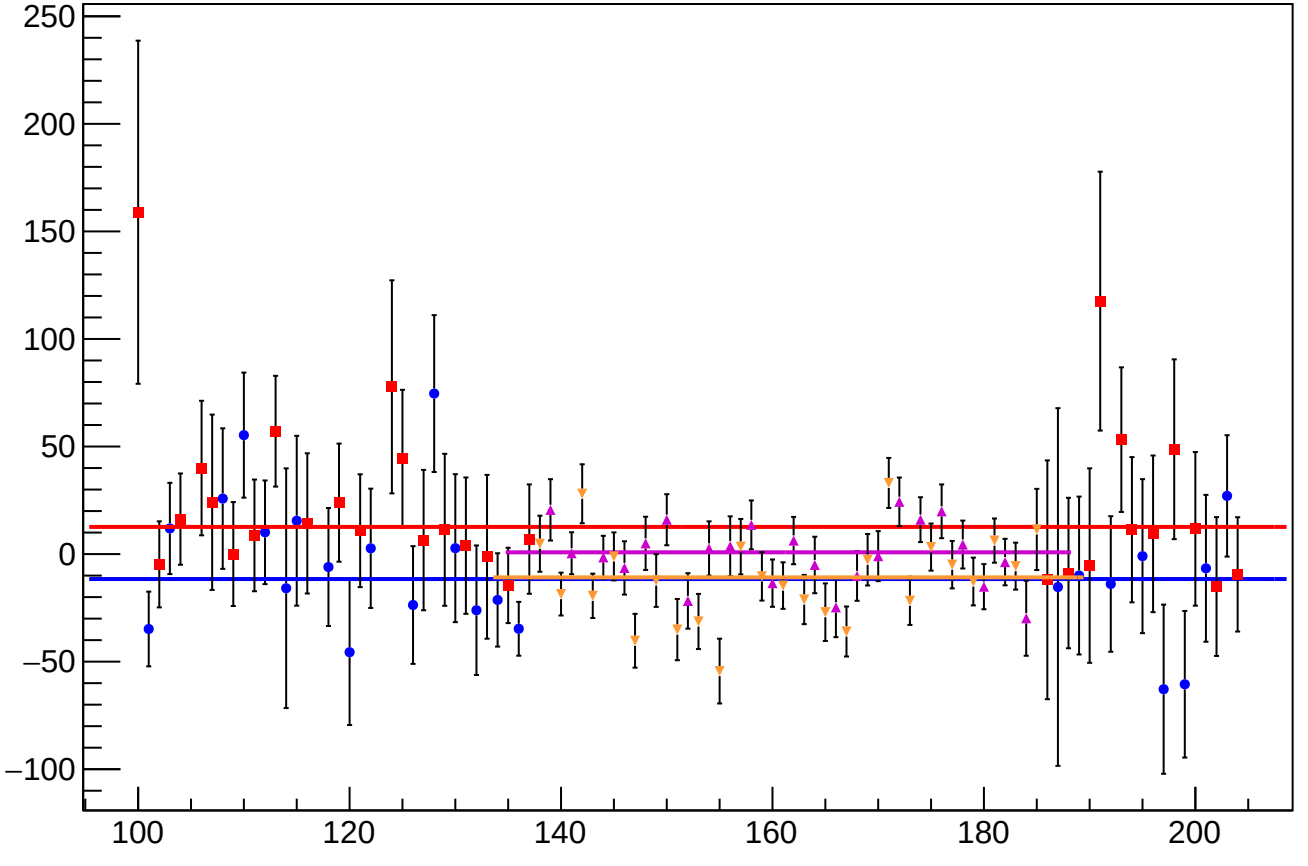
In: -2.484+/-4.638 χ^2/NDF:41.9/46

Out: -4.532+/-4.436 χ^2/NDF:62.5/54

All: -3.553+/-3.206 χ^2/NDF: 104.5/101


diff_bpmE_11X12X_rms vs Slug, Sign Corrected
40000
35000
30000
25000
20000
100
120
140
160
180
200
Right In: 26000.265+/-5.188 χ²/NDF: 1157220.6/23
Left Out: 24654.001+/-4.069 χ²/NDF:1582710.2/24
Right Out: 26692.203+/-4.924 χ²/NDF: 1299473.6/29
Left In: 25041.993+/-4.232 χ²/NDF:1441641.5/22
Left: 24840.393+/-2.933 χ²/NDF: 3028719.5/47
Right: 26364.299+/-3.571 χ²/NDF: 2466052.9/53
In: 25424.852+/-3.279 χ²/NDF:2619349.0/46
Out: 25481.117+/-3.137 χ²/NDF:2984001.3/54
All: 25454.235+/-2.267 χ²/NDF: 5603504.0/

diff_bpm4aesumX_mean vs Slug, Sign Corrected



Right In: -11.599+/-5.531 χ^2/NDF: 27.8/23

Left Out: -10.822+/-2.370 χ^2/NDF:61.3/24

Right Out: 12.629+/-5.529 χ^2/NDF: 21.3/29

Left In: 0.826+/-2.457 χ^2/NDF:29.4/22

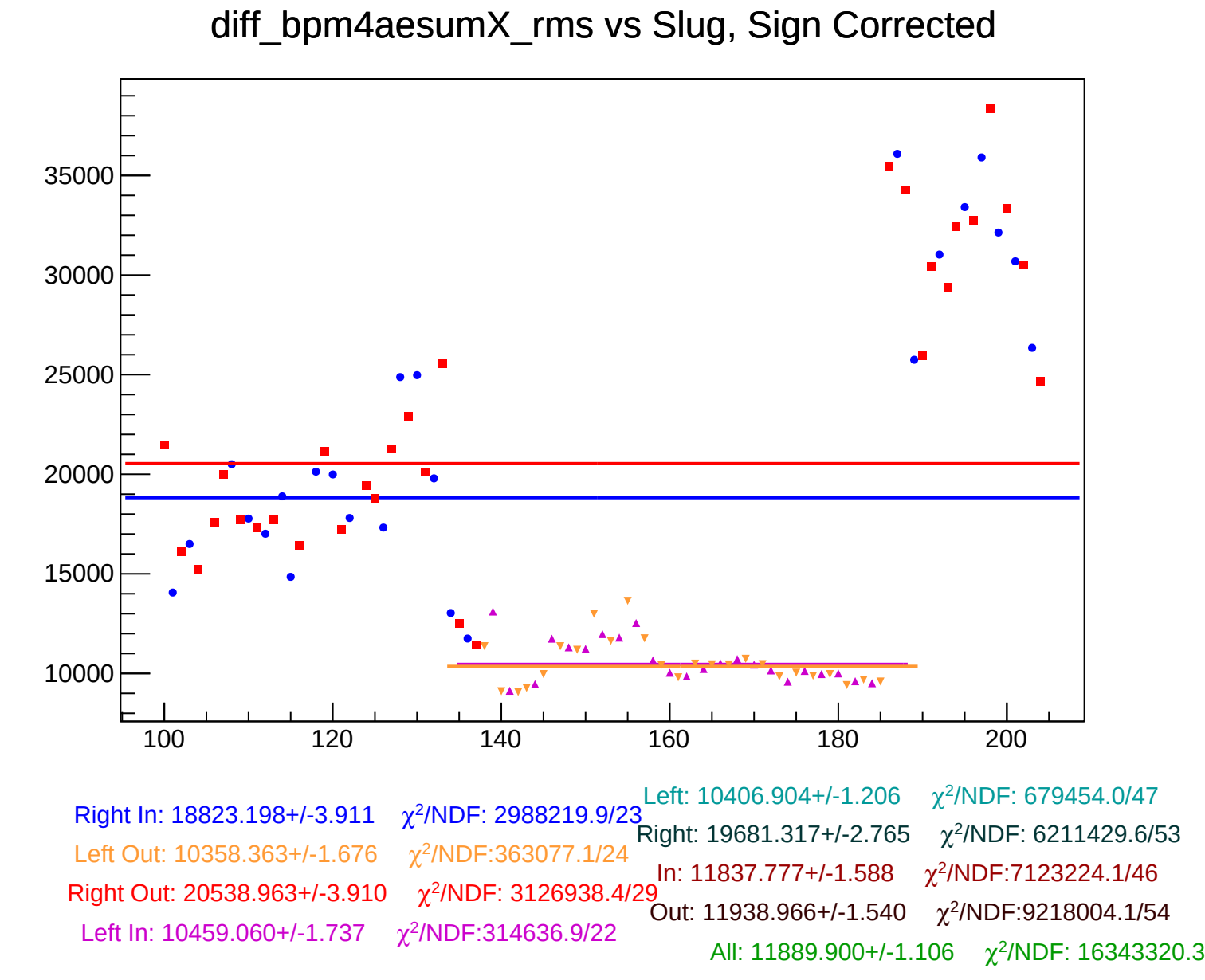
Left: -5.207+/-1.706 χ^2/NDF: 102.3/47

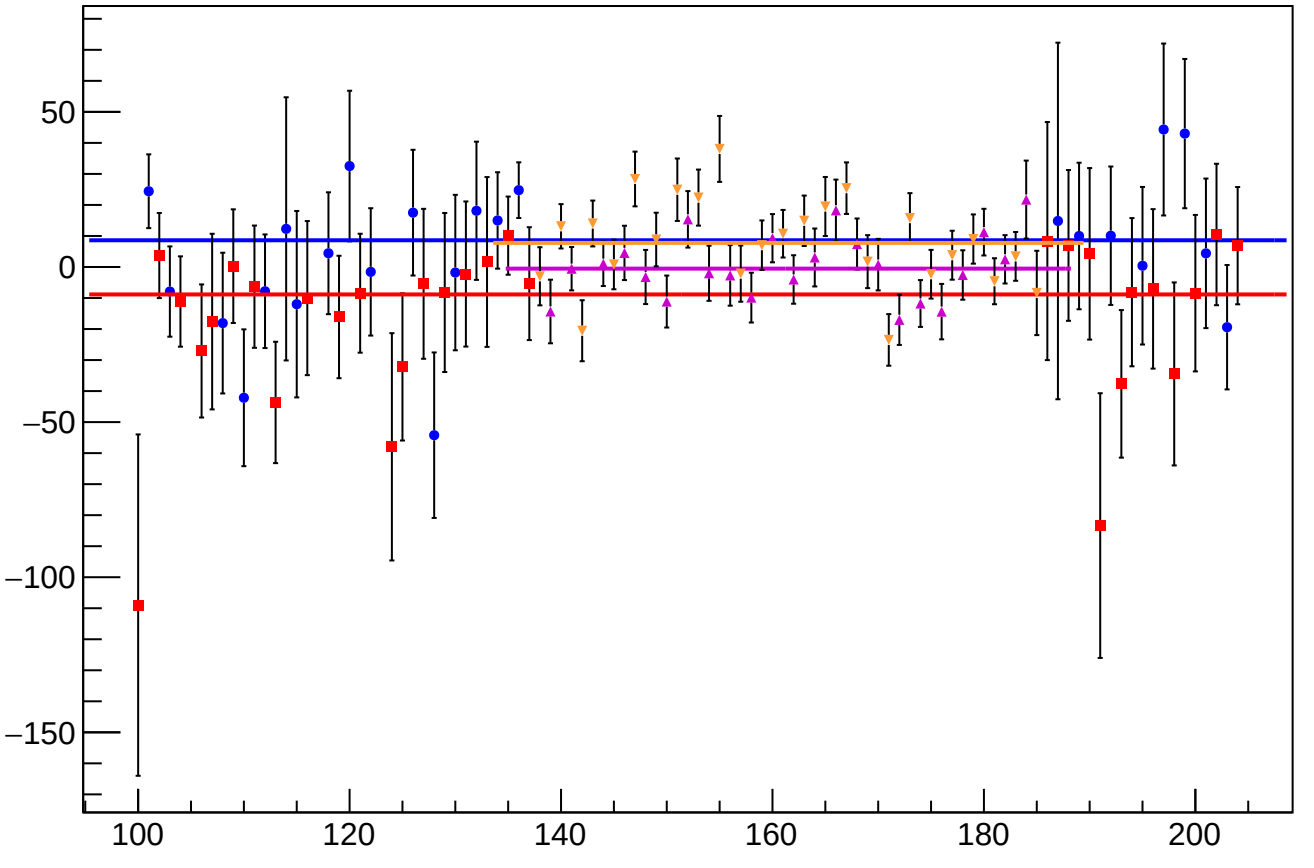
Right: 0.518+/-3.910 χ^2/NDF: 58.7/53

In: -1.222+/-2.245 χ^2/NDF:61.4/46

Out: -7.181+/-2.179 χ^2/NDF:97.7/54

All: -4.292+/-1.564 χ^2/NDF: 162.8/101


diff_bpm4aesumX_rms vs Slug, Sign Corrected
35000
30000
25000
20000
15000
10000
100
120
140
160
180
200
Right In: 18823.198+/-3.911 χ²/NDF: 2988219.9/23
Left Out: 10358.363+/-1.676 χ²/NDF:363077.1/24
Right Out: 20538.963+/-3.910 χ²/NDF: 3126938.4/29
Left In: 10459.060+/-1.737 χ²/NDF:314636.9/22
Left: 10406.904+/-1.206 χ²/NDF: 679454.0/47
Right: 19681.317+/-2.765 χ²/NDF: 6211429.6/53
In: 11837.777+/-1.588 χ²/NDF:7123224.1/46
Out: 11938.966+/-1.540 χ²/NDF:9218004.1/54
All: 11889.900+/-1.106 χ²/NDF: 16343320.3



Right In: 8.611+/-3.952 χ^2/NDF: 27.6/23

Left Out: 7.763+/-1.691 χ^2/NDF:60.9/24

Right Out: -8.846+/-3.958 χ^2/NDF: 21.4/29

Left In: -0.532+/-1.752 χ^2/NDF:29.4/22

Left: 3.761+/-1.217 χ^2/NDF: 102.0/47

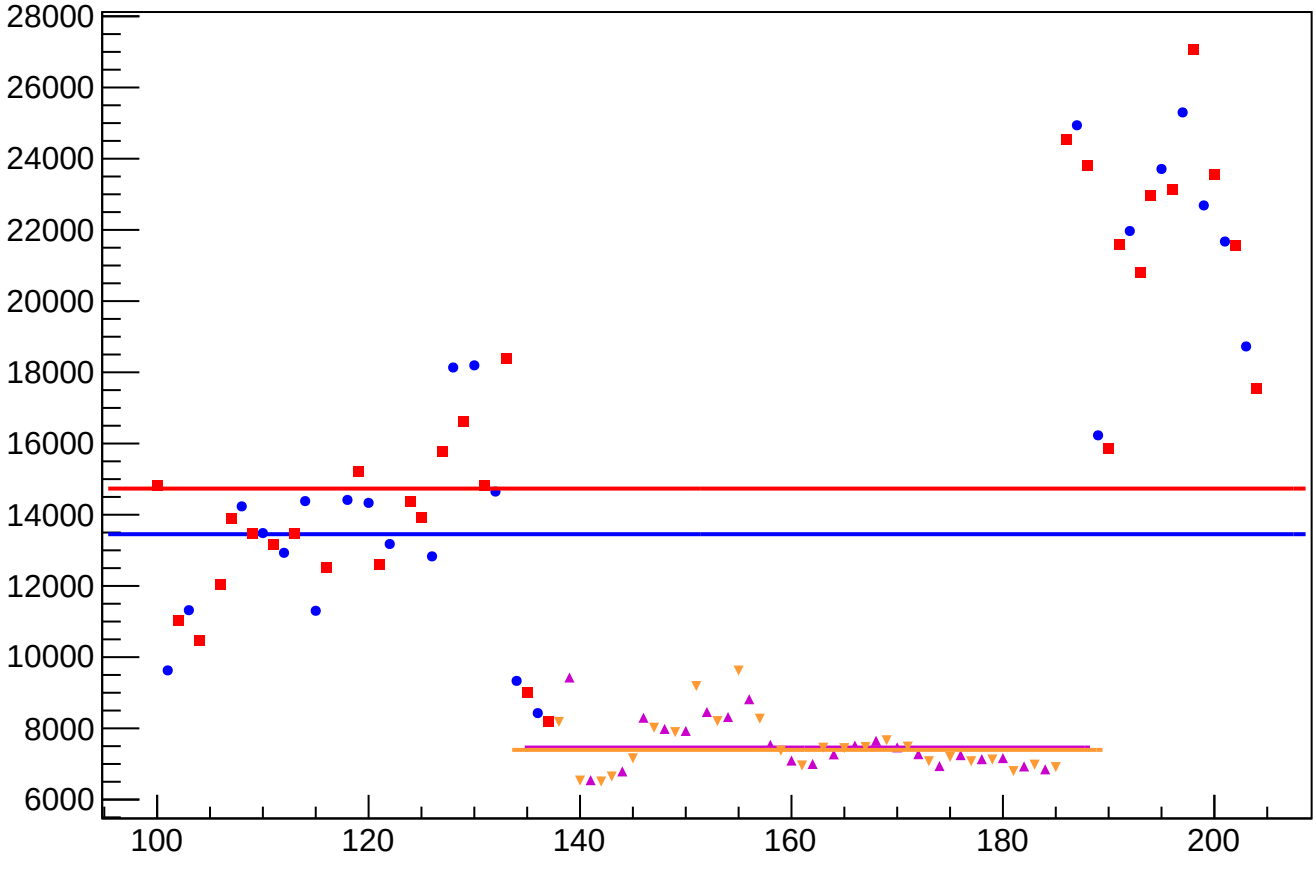
Right: -0.104+/-2.797 χ^2/NDF: 58.8/53

In: 0.970+/-1.602 χ^2/NDF:61.5/46

Out: 5.199+/-1.555 χ^2/NDF:97.2/54

All: 3.146+/-1.116 χ^2/NDF: 162.4/101

diff_bpm4aediffX_rms vs Slug, Sign Corrected



Right In: 13453.240+/-2.795 χ^2/NDF: 2938321.9/23

Left Out: 7395.667+/-1.196 χ^2/NDF:324459.4/24

Right Out: 14735.047+/-2.799 χ^2/NDF: 3014262.7/29

Left In: 7460.824+/-1.239 χ^2/NDF:284034.9/22

Left: 7427.101+/-0.860 χ^2/NDF: 609926.1/47

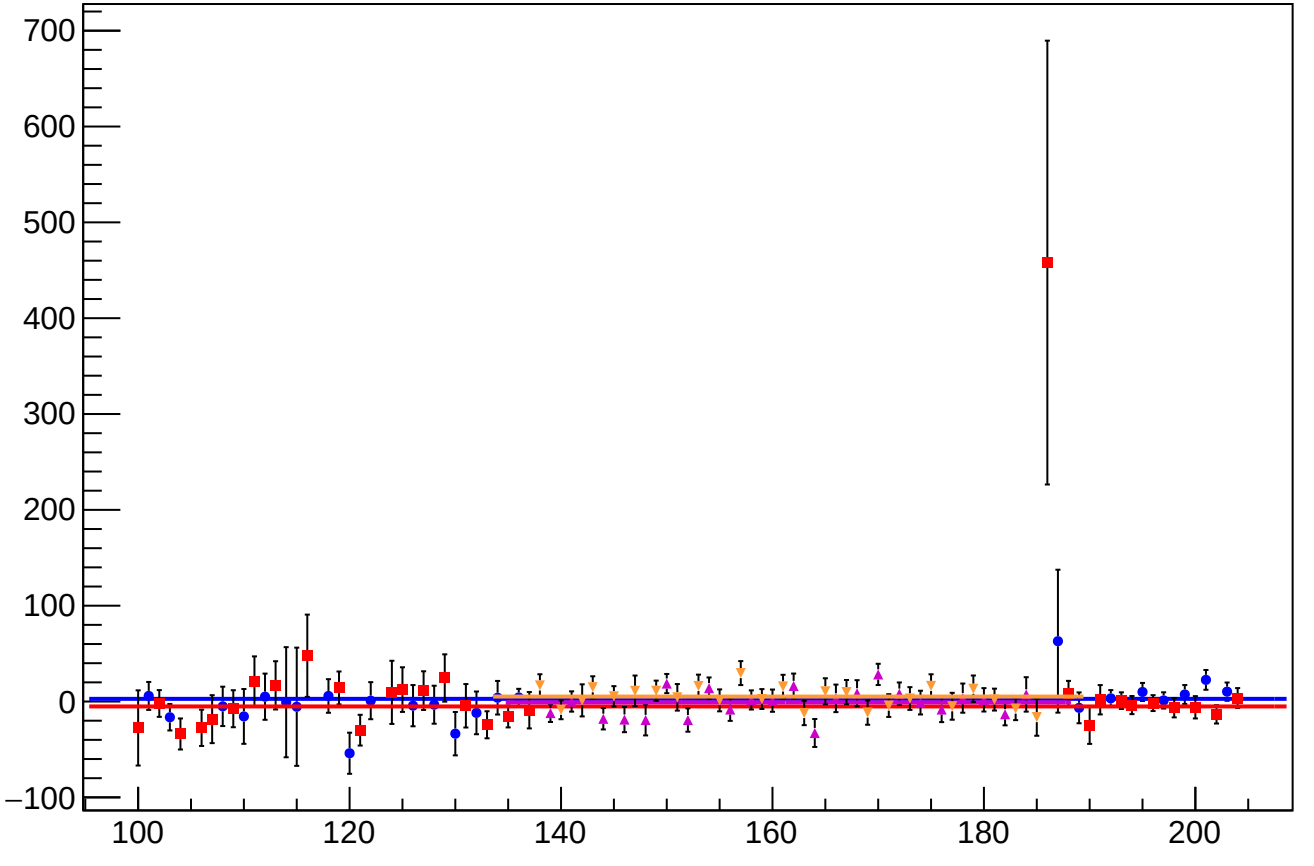
Right: 14093.171+/-1.978 χ^2/NDF: 6057600.6/53

In: 8444.869+/-1.133 χ^2/NDF:7064723.6/46

Out: 8528.861+/-1.100 χ^2/NDF:9152613.5/54

All: 8488.095+/-0.789 χ^2/NDF: 16220167.7/1

diff_bpm4aesumY_mean vs Slug, Sign Corrected



Right In: 2.794+/-2.867 χ^2/NDF: 19.0/23

Left Out: 5.178+/-2.459 χ^2/NDF:18.4/24

Right Out: -5.126+/-2.668 χ^2/NDF: 26.1/29

Left In: -0.891+/-2.519 χ^2/NDF:31.8/22

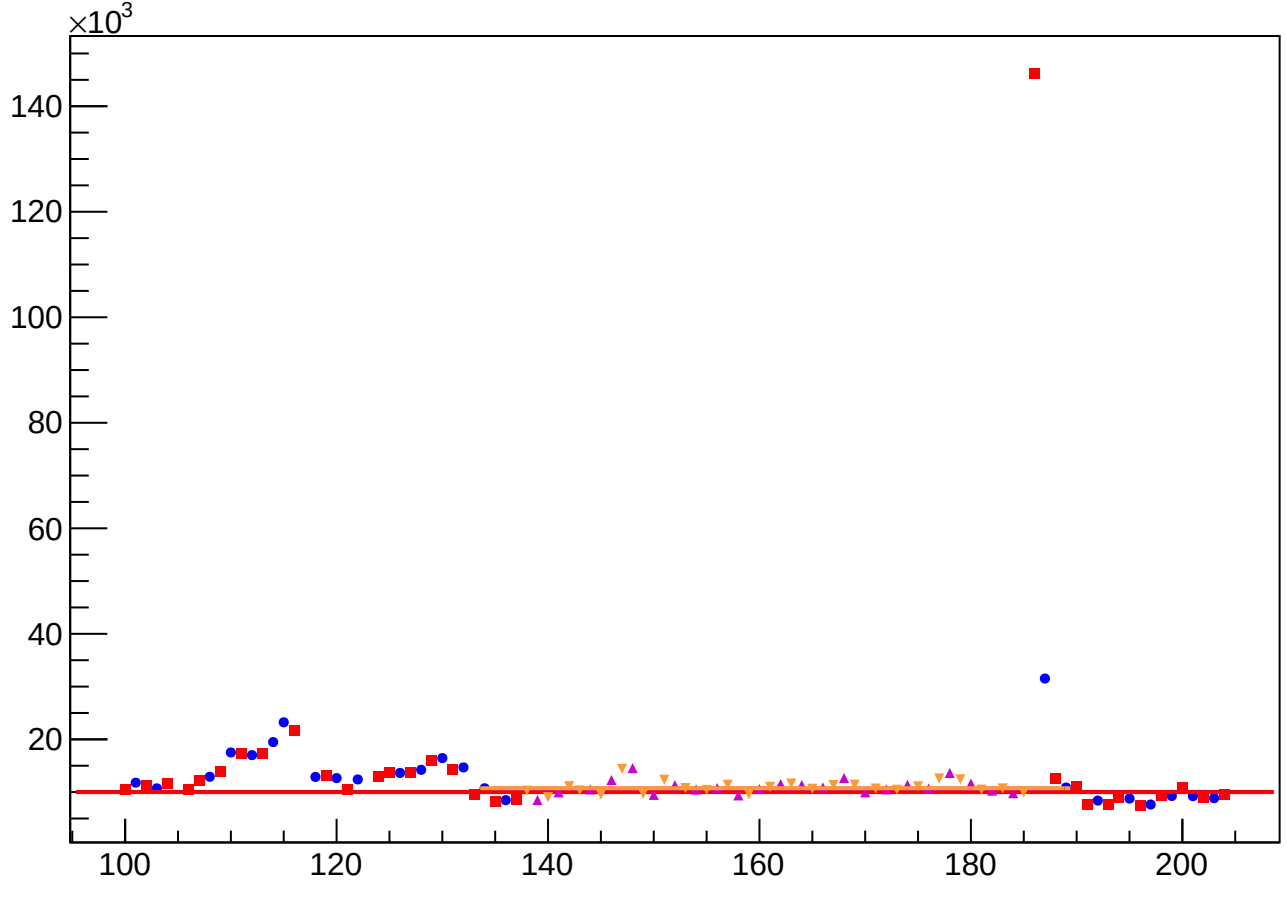
Left: 2.216+/-1.759 χ^2/NDF: 53.2/47

Right: -1.450+/-1.953 χ^2/NDF: 49.2/53

In: 0.714+/-1.892 χ^2/NDF:51.7/46

Out: 0.446+/-1.808 χ^2/NDF:52.5/54

All: 0.574+/-1.307 χ^2/NDF: 104.3/101



Right In: 10034.083+/-2.027 χ^2/NDF: 1584137.8/23

Left Out: 10733.733+/-1.739 χ^2/NDF:368279.7/24

Right Out: 10001.743+/-1.887 χ^2/NDF: 2290958.4/29

Left In: 10677.154+/-1.781 χ^2/NDF:500574.4/22

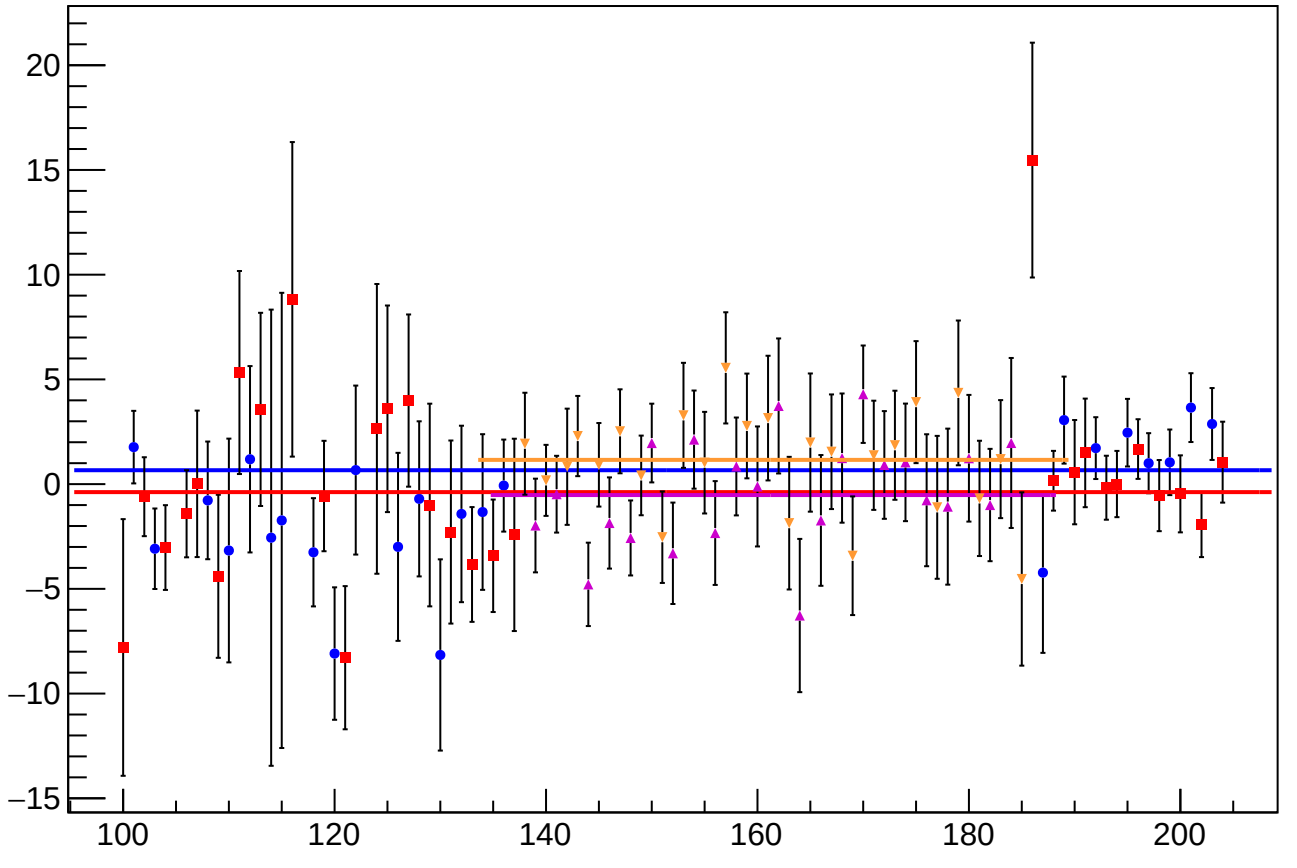
Left: 10706.122+/-1.244 χ^2/NDF: 869370.9/47

Right: 10016.755+/-1.381 χ^2/NDF: 3875232.6/53

In: 10397.036+/-1.338 χ^2/NDF:2141511.3/46

Out: 10397.599+/-1.279 χ^2/NDF:2740631.2/54

All: 10397.330+/-0.924 χ^2/NDF: 4882142.6/



Right In: 0.664+/-0.477 χ^2/NDF: 30.1/23

Left Out: 1.158+/-0.500 χ^2/NDF:16.8/24

Right Out: -0.382+/-0.435 χ^2/NDF: 31.3/29

Left In: -0.522+/-0.520 χ^2/NDF:22.3/22

Left: 0.350+/-0.360 χ^2/NDF: 44.6/47

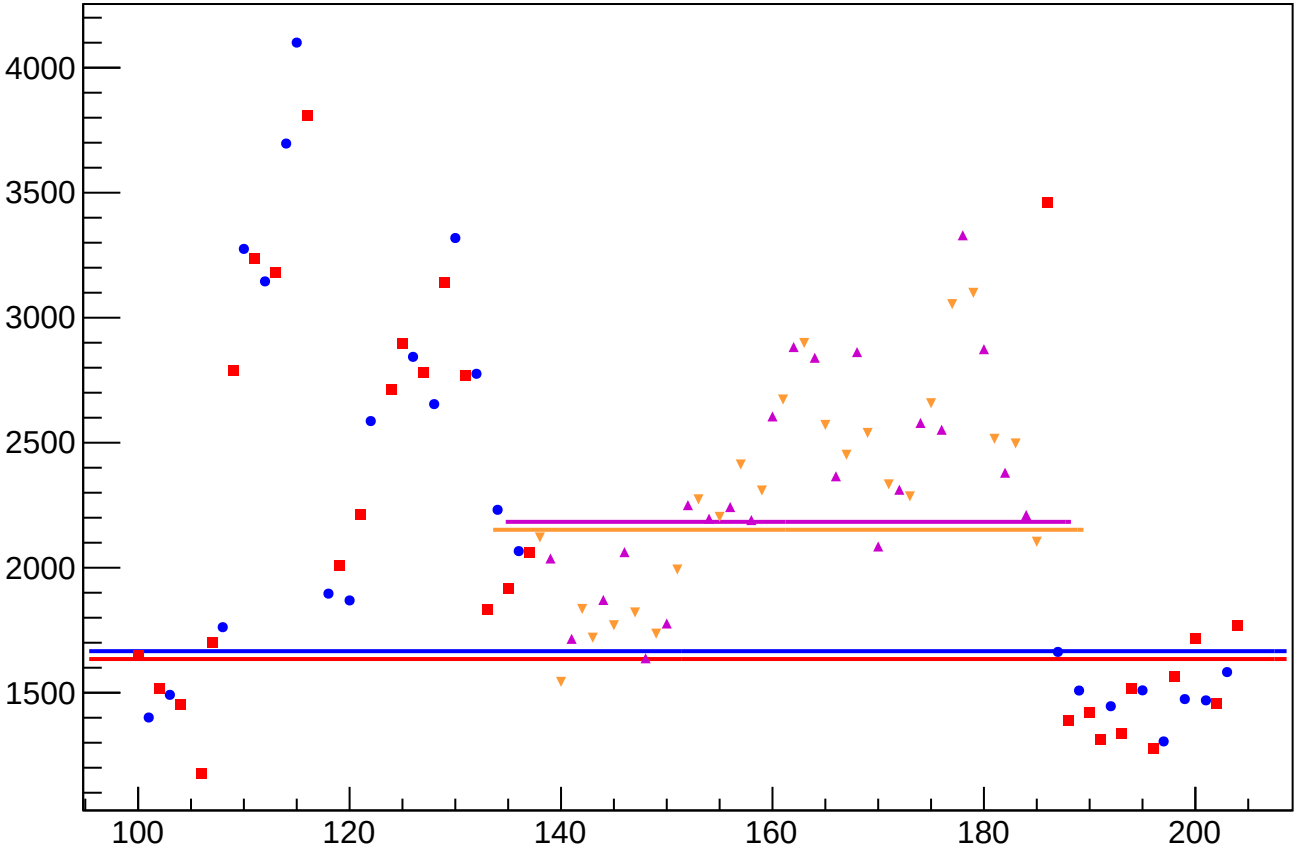
Right: 0.093+/-0.321 χ^2/NDF: 64.0/53

In: 0.122+/-0.351 χ^2/NDF:55.2/46

Out: 0.281+/-0.328 χ^2/NDF:53.5/54

All: 0.207+/-0.240 χ^2/NDF: 108.8/101

diff_bpm4aediffY_rms vs Slug, Sign Corrected



Right In: 1666.231+/-0.337 χ^2/NDF: 1824705.6/23

Left Out: 2151.757+/-0.354 χ^2/NDF:1349537.9/24

Right Out: 1634.748+/-0.307 χ^2/NDF: 2291849.5/29

Left In: 2183.482+/-0.368 χ^2/NDF:1162266.2/22

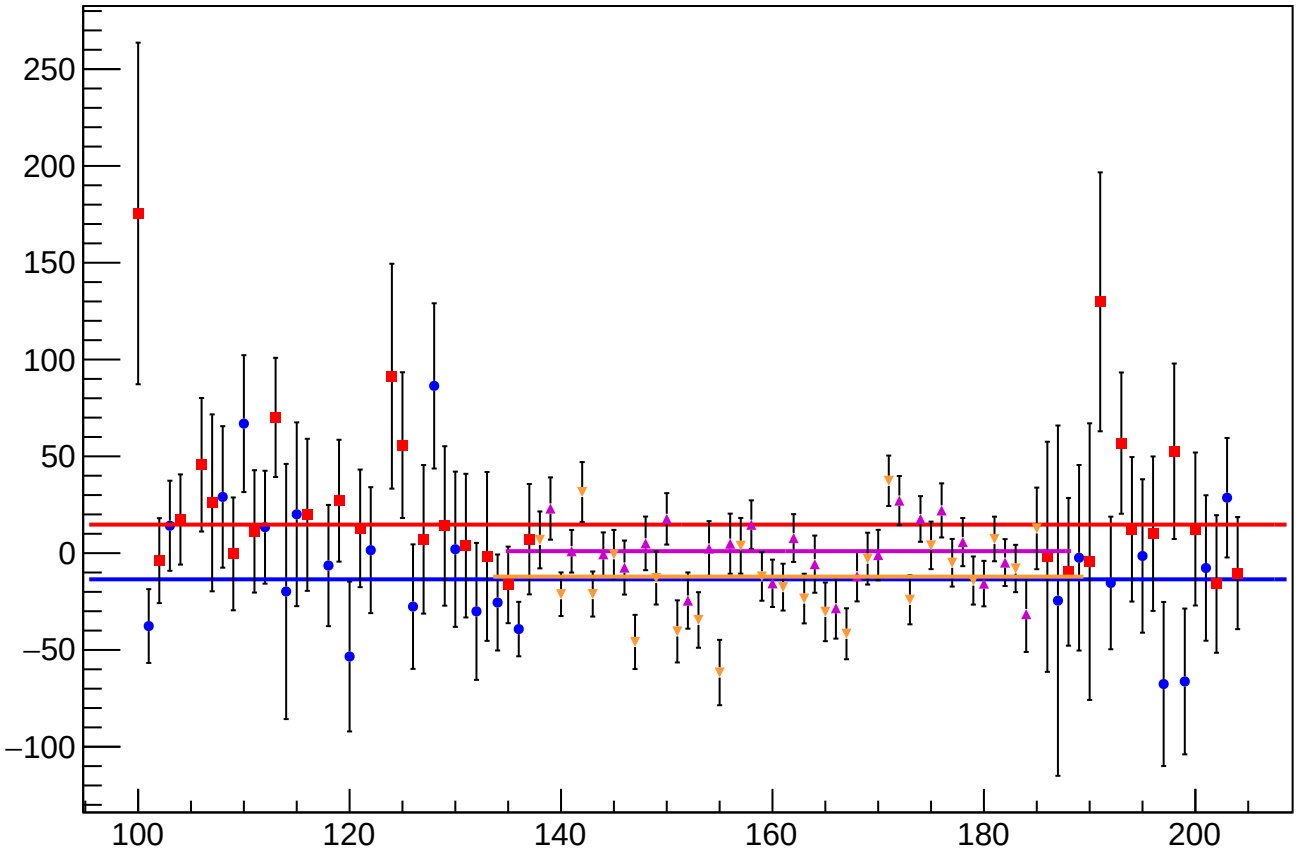
Left: 2167.006+/-0.255 χ^2/NDF: 2515672.1/47

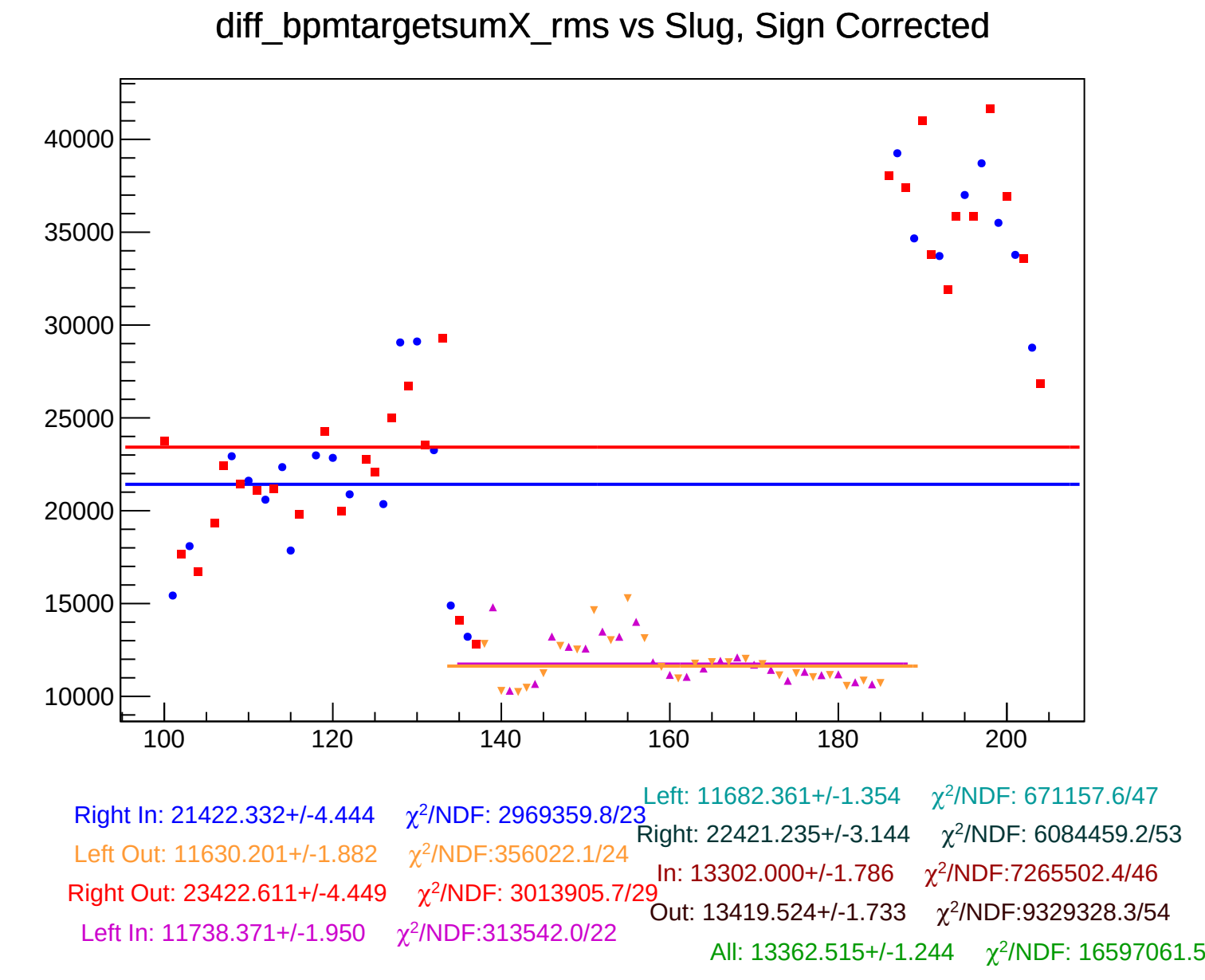
Right: 1649.041+/-0.227 χ^2/NDF: 4121314.5/53

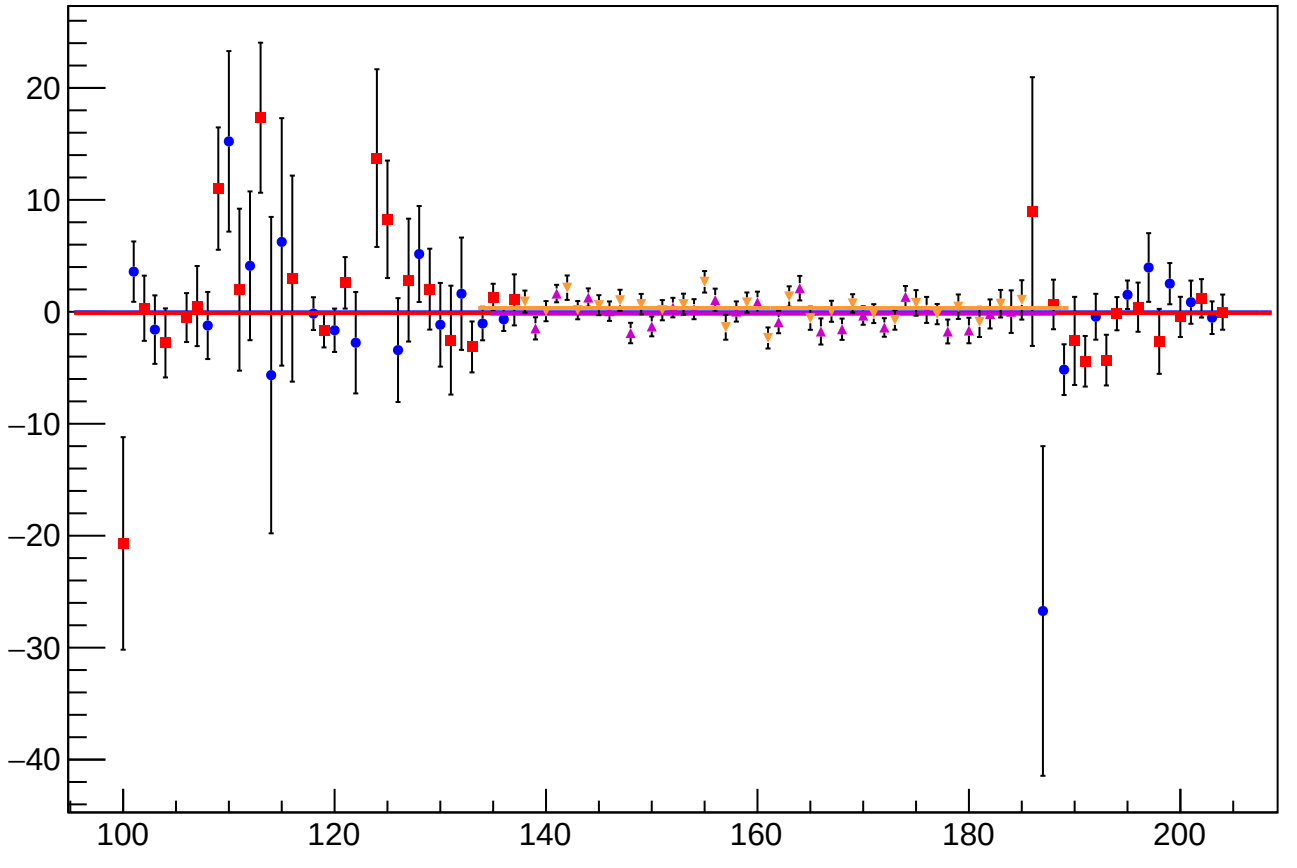
In: 1902.592+/-0.248 χ^2/NDF:4062167.3/46

Out: 1857.324+/-0.232 χ^2/NDF:4858524.8/54

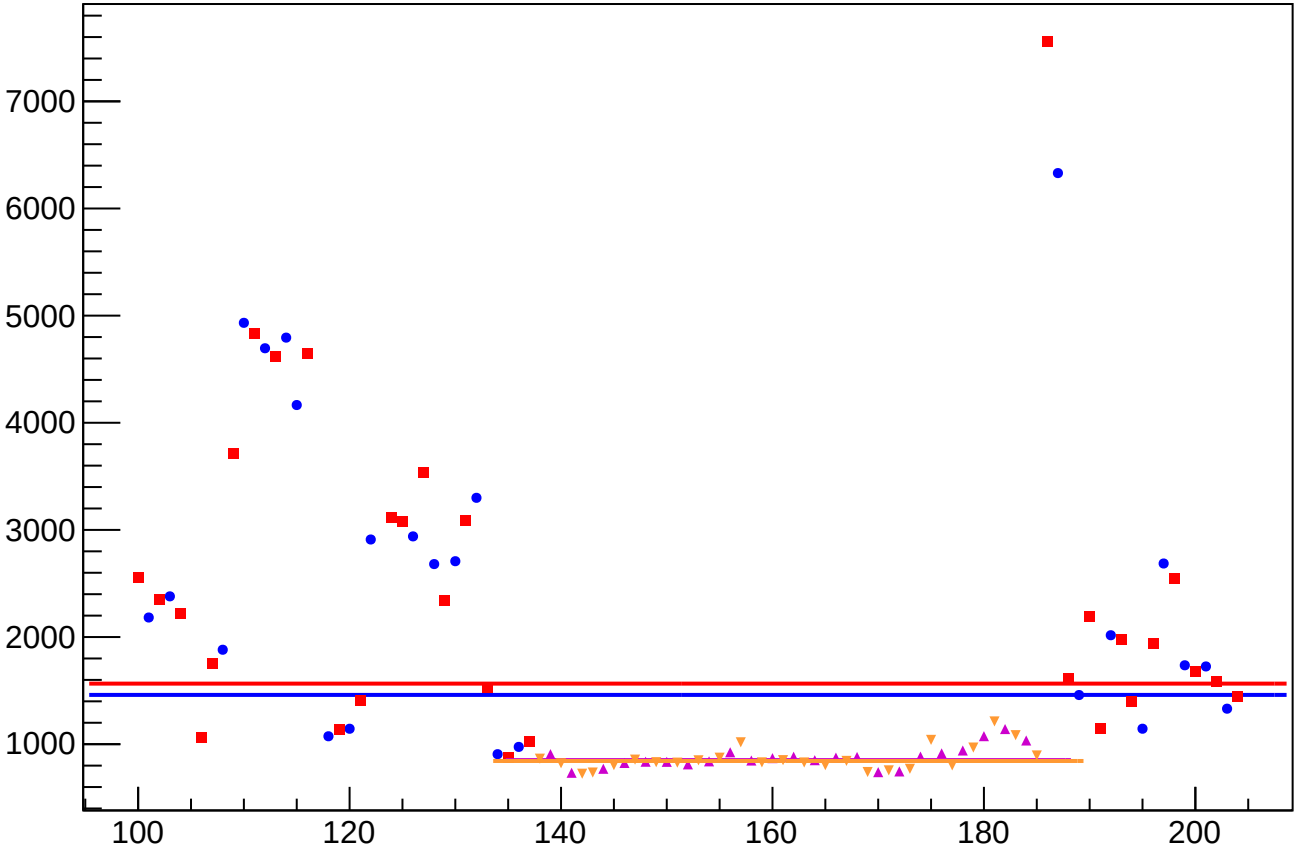
All: 1878.410+/-0.170 χ^2/NDF: 8938420.1/10


diff_bpmtargetsumX_mean vs Slug, Sign Corrected
250
200
150
100
50
0
−50
−100
100
120
140
160
180
200
Right In: -13.526+/-6.284 χ²/NDF: 27.5/23
Left Out: -12.135+/-2.661 χ²/NDF:62.6/24
Right Out: 14.733+/-6.292 χ²/NDF: 21.4/29
Left In: 1.024+/-2.758 χ²/NDF:28.8/22
Left: -5.790+/-1.915 χ²/NDF: 103.2/47
Right: 0.586+/-4.446 χ²/NDF: 59.0/53
In: -1.325+/-2.525 χ²/NDF:60.8/46
Out: -8.058+/-2.451 χ²/NDF:99.5/54
All: -4.792+/-1.759 χ²/NDF: 164.0/101


diff_bpmtargetsumX_rms vs Slug, Sign Corrected
40000
35000
30000
25000
20000
15000
10000
100
120
140
160
180
200
Right In: 21422.332+/-4.444 χ²/NDF: 2969359.8/23
Left Out: 11630.201+/-1.882 χ²/NDF:356022.1/24
Right Out: 23422.611+/-4.449 χ²/NDF: 3013905.7/29
Left In: 11738.371+/-1.950 χ²/NDF:313542.0/22
Left: 11682.361+/-1.354 χ²/NDF: 671157.6/47
Right: 22421.235+/-3.144 χ²/NDF: 6084459.2/53
In: 13302.000+/-1.786 χ²/NDF:7265502.4/46
Out: 13419.524+/-1.733 χ²/NDF:9329328.3/54
All: 13362.515+/-1.244 χ²/NDF: 16597061.5


diff_bpmtargetdiffX_mean vs Slug, Sign Corrected
20
10
0
−10
−20
−30
−40
100
120
140
160
180
200
Right In: -0.049+/-0.449 χ²/NDF: 24.7/23
Left Out: 0.343+/-0.194 χ²/NDF:26.8/24
Right Out: -0.114+/-0.448 χ²/NDF: 38.5/29
Left In: -0.165+/-0.201 χ²/NDF:36.3/22
Left: 0.098+/-0.139 χ²/NDF: 66.4/47
Right: -0.081+/-0.317 χ²/NDF: 63.1/53
In: -0.146+/-0.183 χ²/NDF:61.1/46
Out: 0.271+/-0.178 χ²/NDF:66.1/54
All: 0.069+/-0.128 χ²/NDF: 129.8/101

diff_bpmtargetdiffX_rms vs Slug, Sign Corrected



Right In: 1459.957+/-0.317 χ^2/NDF: 4312792.9/23

Left Out: 843.266+/-0.137 χ^2/NDF:505106.4/24

Right Out: 1565.288+/-0.317 χ^2/NDF: 4451295.9/29

Left In: 851.618+/-0.142 χ^2/NDF:382555.6/22

Left: 847.291+/-0.099 χ^2/NDF: 889453.1/47

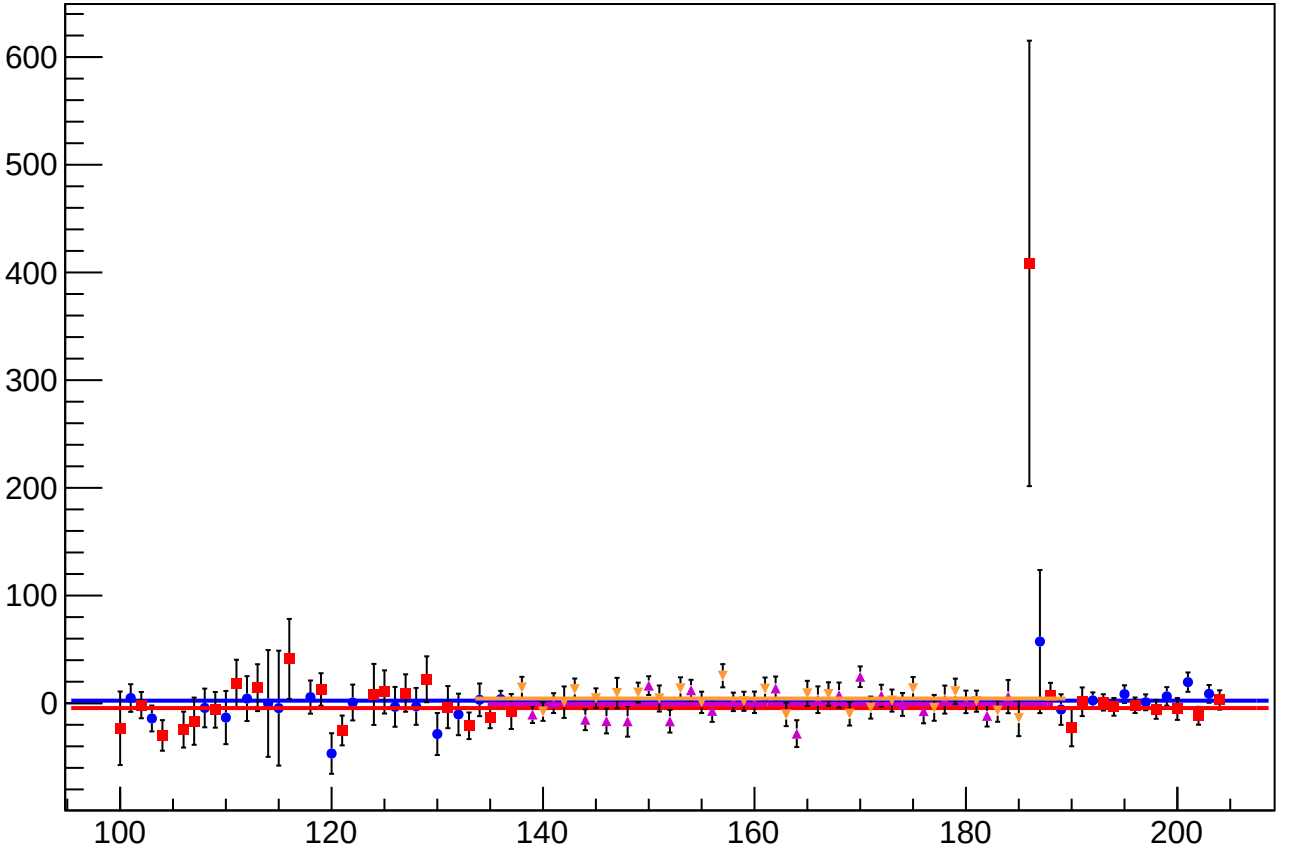
Right: 1512.731+/-0.224 χ^2/NDF: 8819342.3/53

In: 953.231+/-0.130 χ^2/NDF:7759426.6/46

Out: 957.195+/-0.126 χ^2/NDF:9338613.2/54

All: 955.273+/-0.090 χ^2/NDF: 17098521.7/10

diff_bpmtargetsumY_mean vs Slug, Sign Corrected



Right In: 2.407+/-2.488 χ^2/NDF: 18.6/23

Left Out: 4.383+/-2.122 χ^2/NDF:18.6/24

Right Out: -4.463+/-2.319 χ^2/NDF: 26.0/29

Left In: -0.734+/-2.171 χ^2/NDF:32.0/22

Left: 1.883+/-1.517 χ^2/NDF: 53.4/47

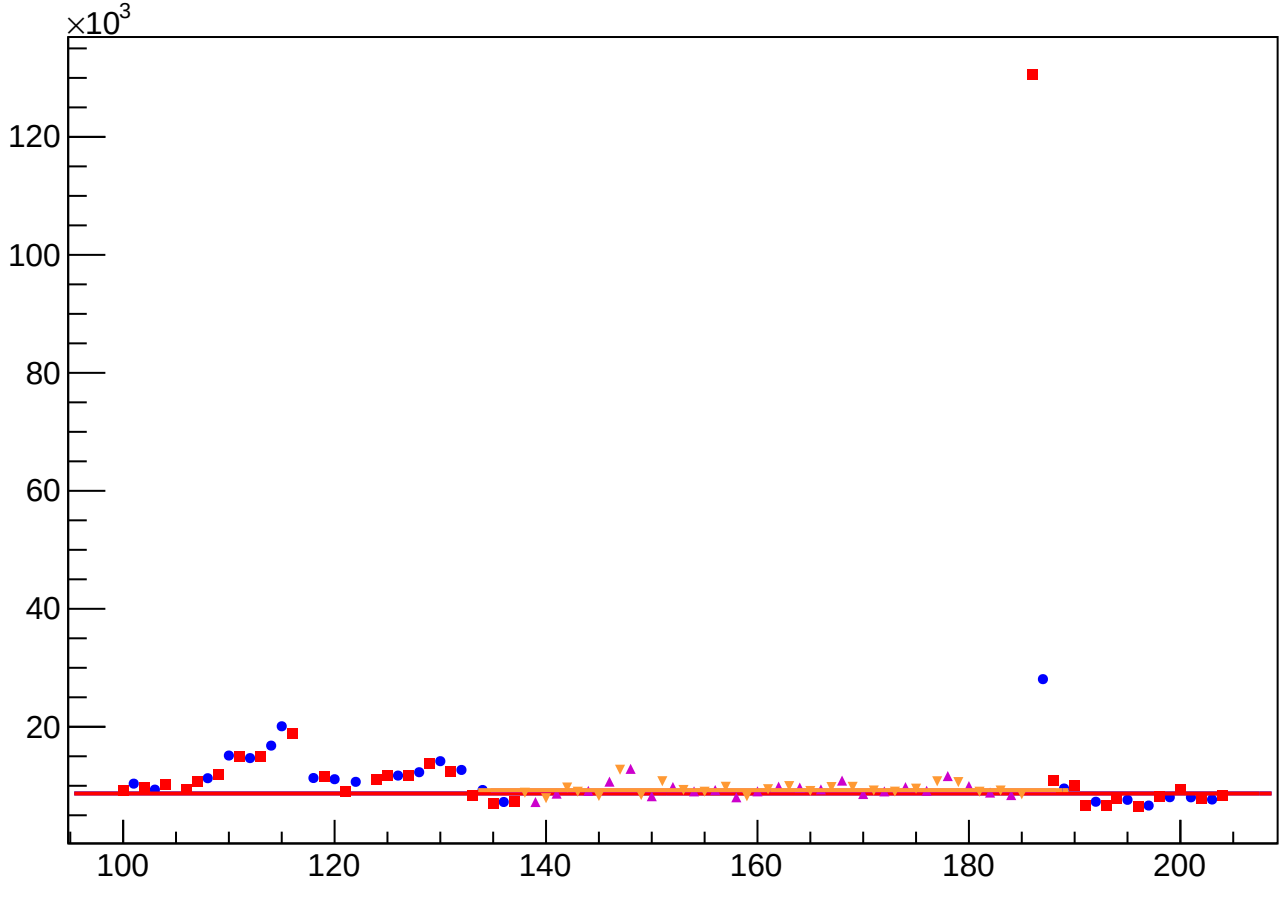
Right: -1.270+/-1.696 χ^2/NDF: 48.7/53

In: 0.623+/-1.636 χ^2/NDF:51.5/46

Out: 0.352+/-1.565 χ^2/NDF:52.5/54

All: 0.481+/-1.131 χ^2/NDF: 104.1/101

diff_bpmtargetsumY_rms vs Slug, Sign Corrected



Right In: 8706.058+/-1.760 χ^2/NDF: 1594866.6/23

Left Out: 9261.542+/-1.500 χ^2/NDF:366072.4/24

Right Out: 8686.831+/-1.640 χ^2/NDF: 2297149.8/29

Left In: 9199.542+/-1.535 χ^2/NDF:515496.8/22

Left: 9231.249+/-1.073 χ^2/NDF: 882403.7/47

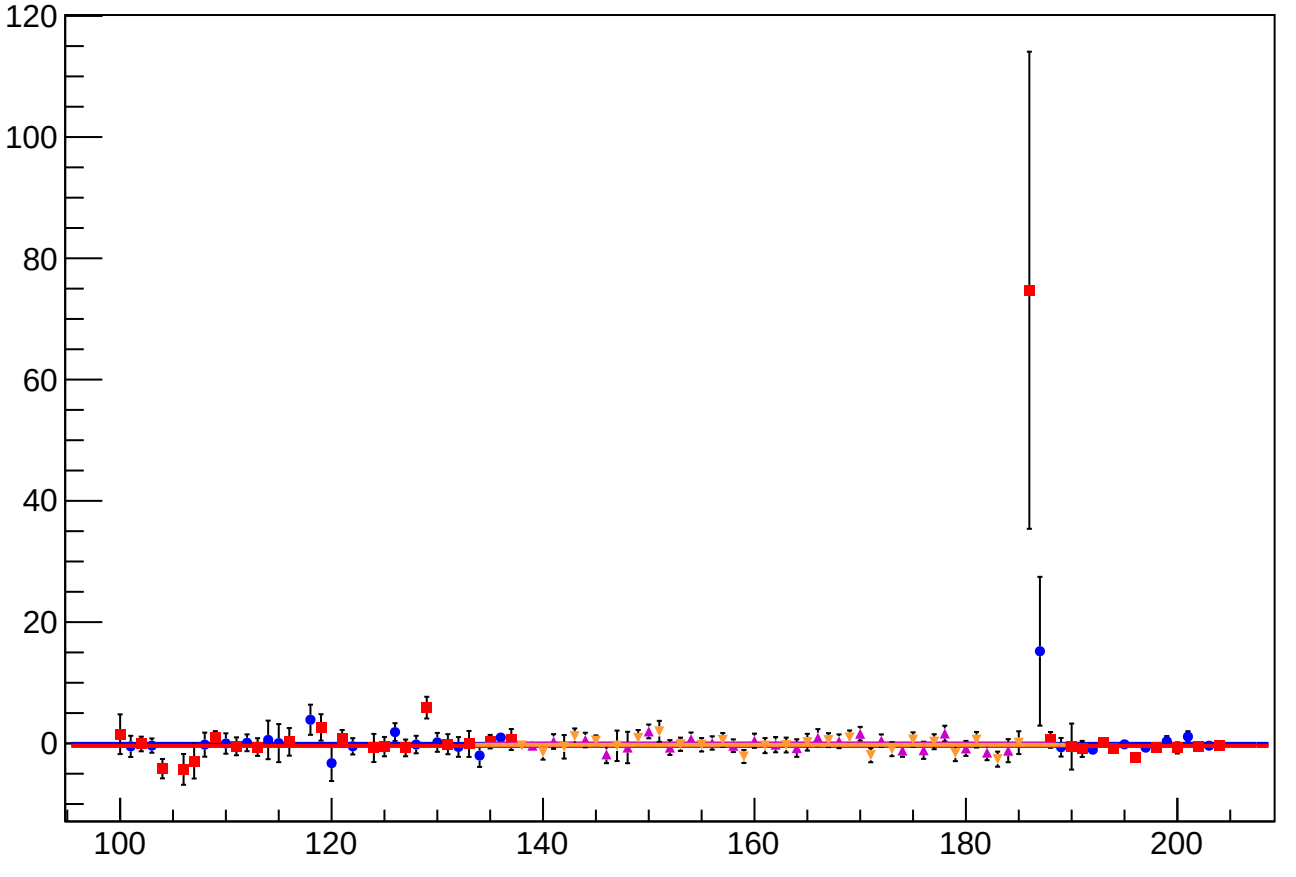
Right: 8695.766+/-1.200 χ^2/NDF: 3892080.4/53

In: 8986.305+/-1.157 χ^2/NDF:2155032.5/46

Out: 8999.639+/-1.107 χ^2/NDF:2730099.1/54

All: 8993.265+/-0.800 χ^2/NDF: 4885201.0/10

diff_bpmtargetdiffY_mean vs Slug, Sign Corrected



Right In: -0.072+/-0.242 χ^2/NDF: 14.7/23

Left Out: -0.229+/-0.243 χ^2/NDF:19.0/24

Right Out: -0.420+/-0.225 χ^2/NDF: 37.9/29

Left In: -0.025+/-0.239 χ^2/NDF:15.2/22

Left: -0.125+/-0.171 χ^2/NDF: 34.6/47

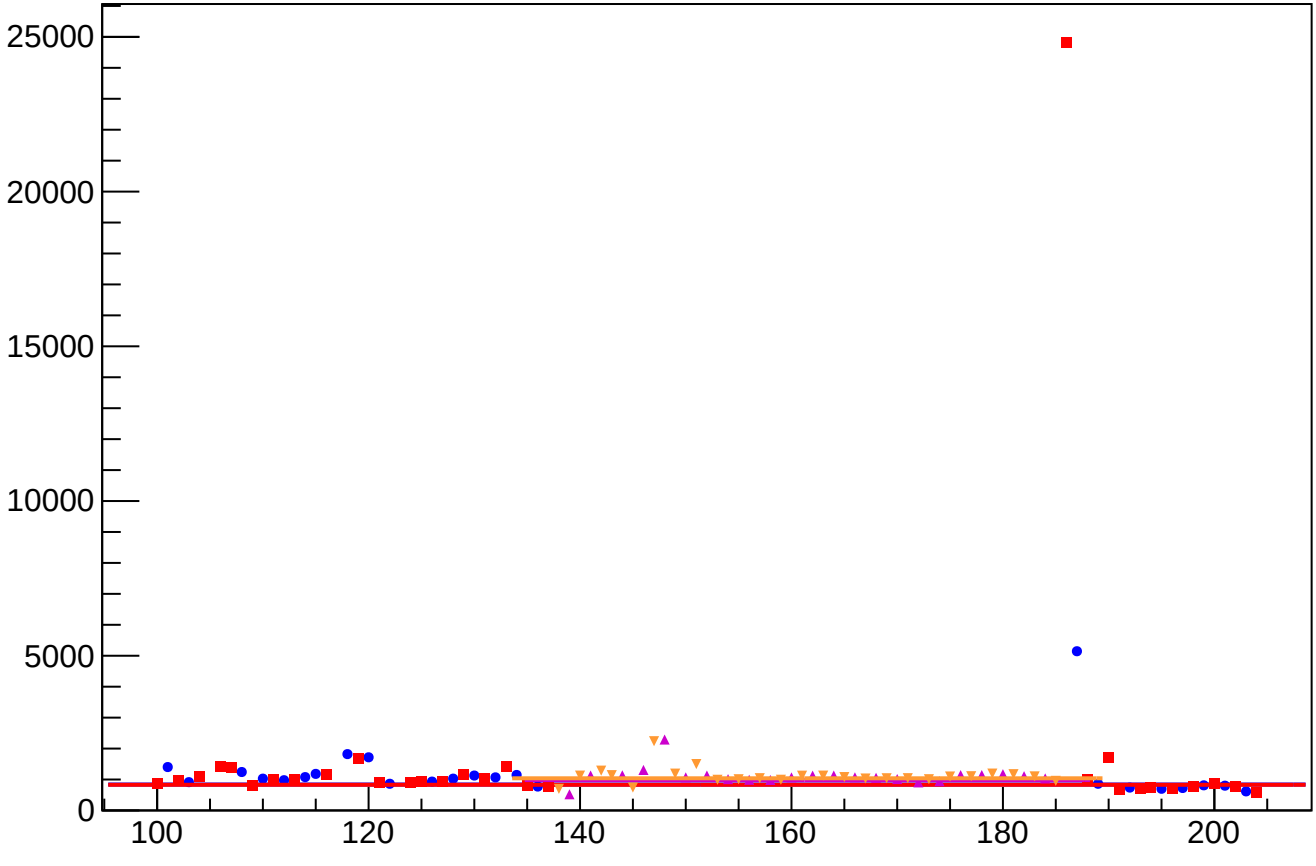
Right: -0.259+/-0.165 χ^2/NDF: 53.7/53

In: -0.048+/-0.170 χ^2/NDF:29.9/46

Out: -0.332+/-0.165 χ^2/NDF:57.2/54

All: -0.195+/-0.118 χ^2/NDF: 88.6/101

diff_bpmtargetdiffY_rms vs Slug, Sign Corrected



Right In: 838.294+/-0.171 χ^2/NDF: 1710193.2/23

Left Out: 1039.424+/-0.172 χ^2/NDF:1339748.9/24

Right Out: 829.622+/-0.159 χ^2/NDF: 2267956.0/29

Left In: 981.677+/-0.169 χ^2/NDF:2225094.5/22

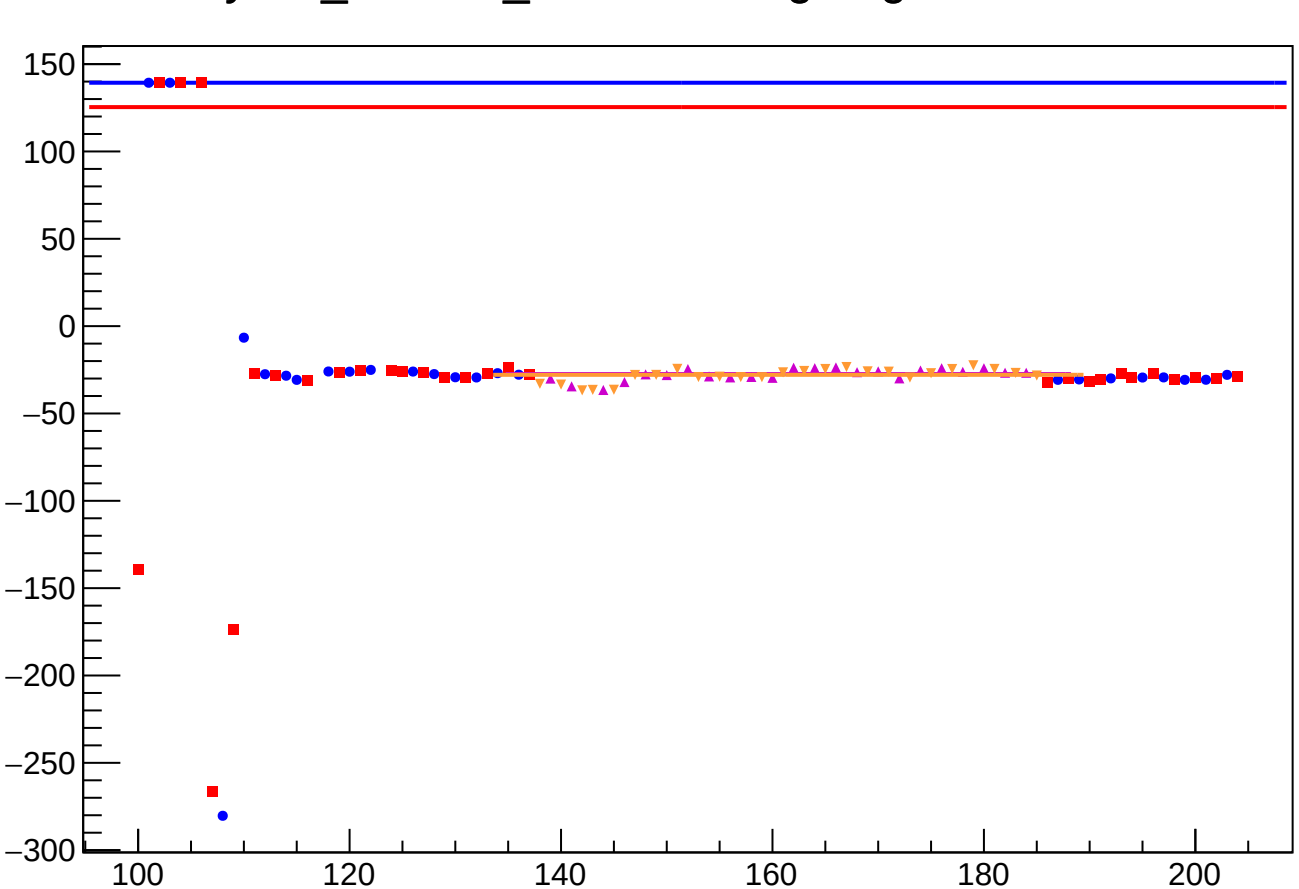
Left: 1010.035+/-0.121 χ^2/NDF: 3622132.3/47

Right: 833.640+/-0.116 χ^2/NDF: 3979530.5/53

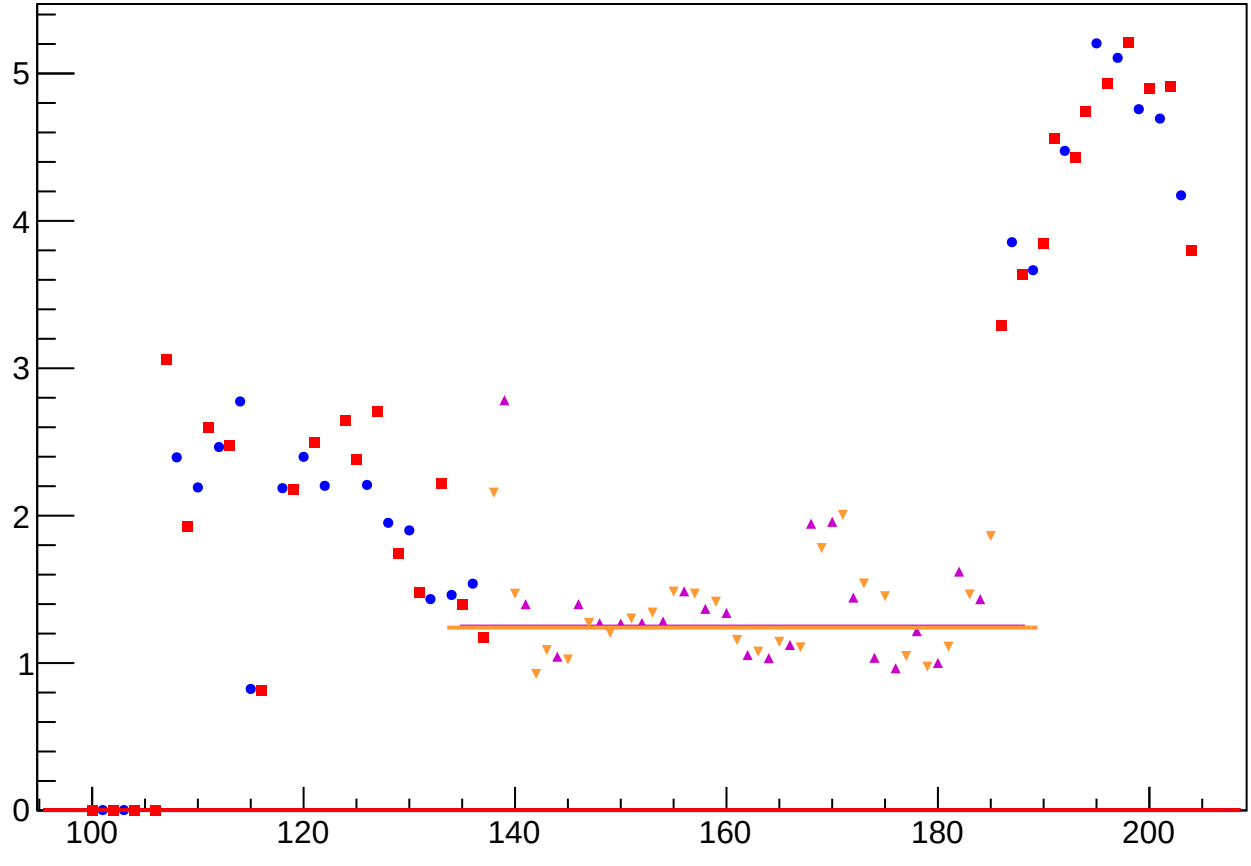
In: 910.772+/-0.120 χ^2/NDF:4290950.9/46

Out: 926.110+/-0.117 χ^2/NDF:4410200.6/54

All: 918.667+/-0.084 χ^2/NDF: 8709531.2/101


yield_cav4bX_mean vs Slug, Sign Corrected
150
100
50
0
−50
−100
−150
−200
−250
−300
100
120
140
160
180
200
Right In: 139.337+/-0.000 χ²/NDF: 55153534262.7/23
Left Out: -27.865+/-0.000 χ²/NDF:181586557.6/24
Right Out: 125.391+/-0.000 χ²/NDF: 774182980135348.1/29
Left In: -27.427+/-0.000 χ²/NDF:123181562.3/22
Left: -27.654+/-0.000 χ²/NDF: 305673778.0/47
Right: 131.818+/-0.000 χ²/NDF: 793023058243857
In: 139.328+/-0.000 χ²/NDF:309552602013.5/46
Out: 125.384+/-0.000 χ²/NDF:774413668402034.
All: 131.810+/-0.000 χ²/NDF: 79350547115

yield_cav4bX_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 21158374.7/23

Left Out: 1.241+/-0.000 χ^2/NDF:1221248.2/24

Right Out: 0.003+/-0.000 χ^2/NDF: 25172795.3/29

Left In: 1.247+/-0.000 χ^2/NDF:1436411.6/22

Left: 1.244+/-0.000 χ^2/NDF: 2658093.9/47

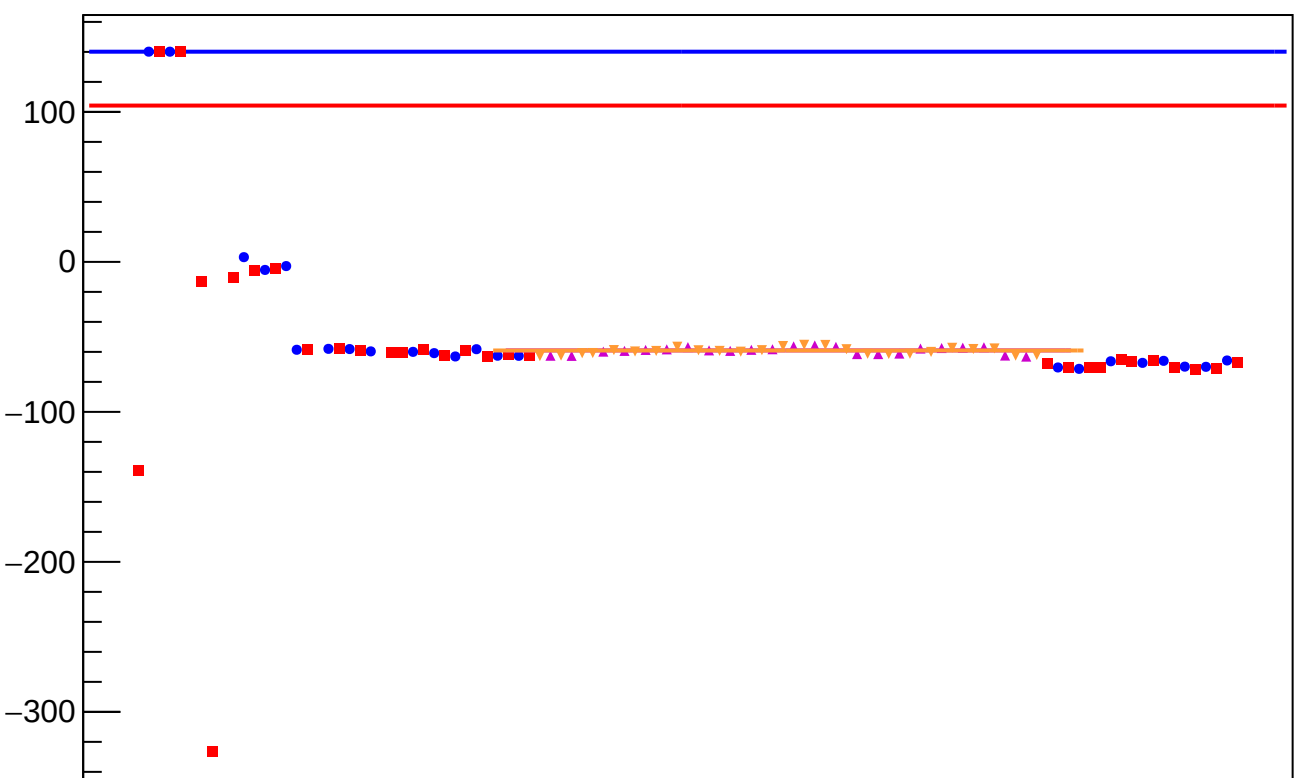
Right: 0.003+/-0.000 χ^2/NDF: 46331338.2/53

In: 0.003+/-0.000 χ^2/NDF:50923816.3/46

Out: 0.003+/-0.000 χ^2/NDF:56472779.5/54

All: 0.003+/-0.000 χ^2/NDF: 107396833.4/101

yield_cav4bY_mean vs Slug, Sign Corrected



Right In: 140.138+/-0.000 χ^2/NDF: 382300762332.4/23

Left Out: -59.066+/-0.000 χ^2/NDF:177511074.0/24

Right Out: 104.219+/-0.000 χ^2/NDF: 1257573472964045.5/29

Left In: -59.020+/-0.000 χ^2/NDF:179236820.4/22

Left: -59.043+/-0.000 χ^2/NDF: 356781901.8/47

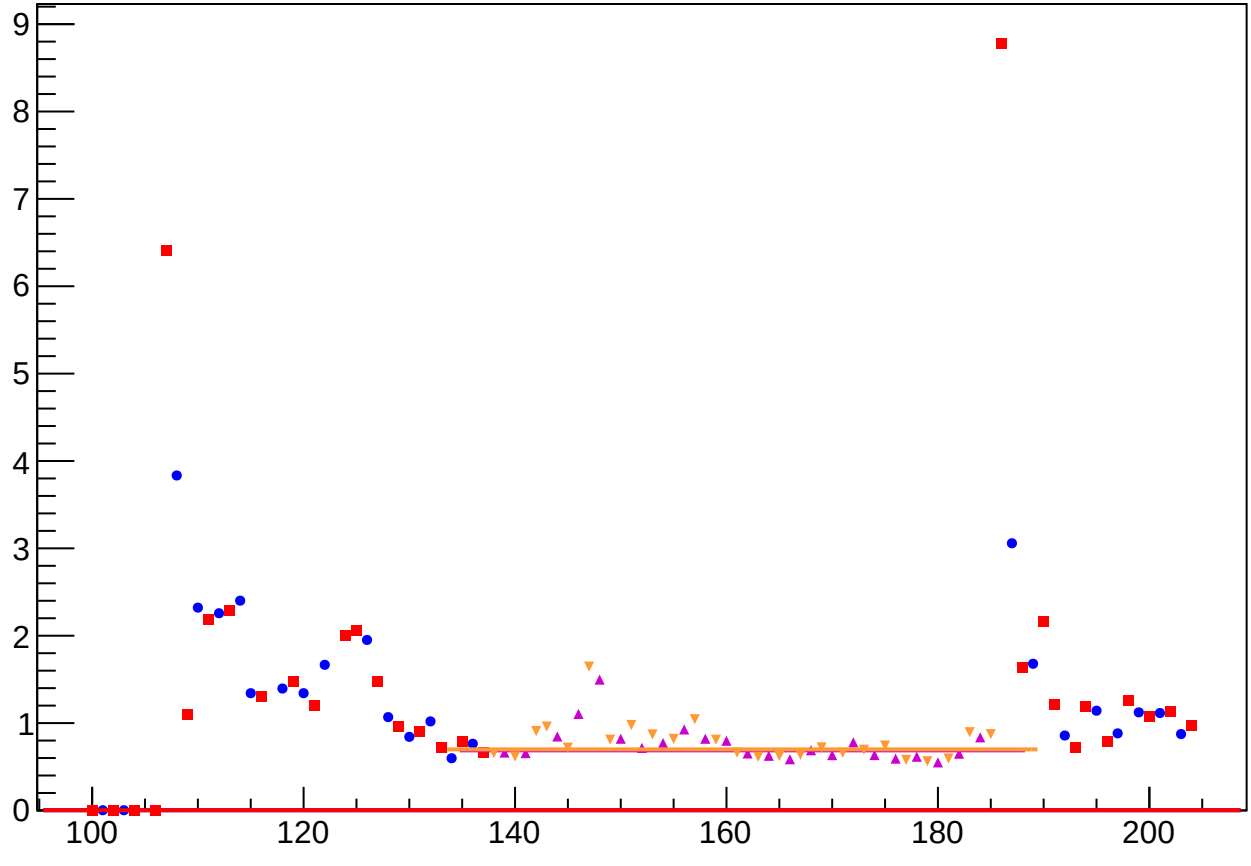
Right: 120.827+/-0.000 χ^2/NDF: 138126227317525

In: 140.102+/-0.000 χ^2/NDF:1657837612470.8/46

Out: 104.194+/-0.000 χ^2/NDF:125844507731497

All: 120.796+/-0.000 χ^2/NDF: 13833603449

yield_cav4bY_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 20012093.0/23

Left Out: 0.699+/-0.000 χ^2/NDF:1357196.3/24

Right Out: 0.003+/-0.000 χ^2/NDF: 23574110.7/29

Left In: 0.688+/-0.000 χ^2/NDF:1107767.8/22

Left: 0.694+/-0.000 χ^2/NDF: 2468947.3/47

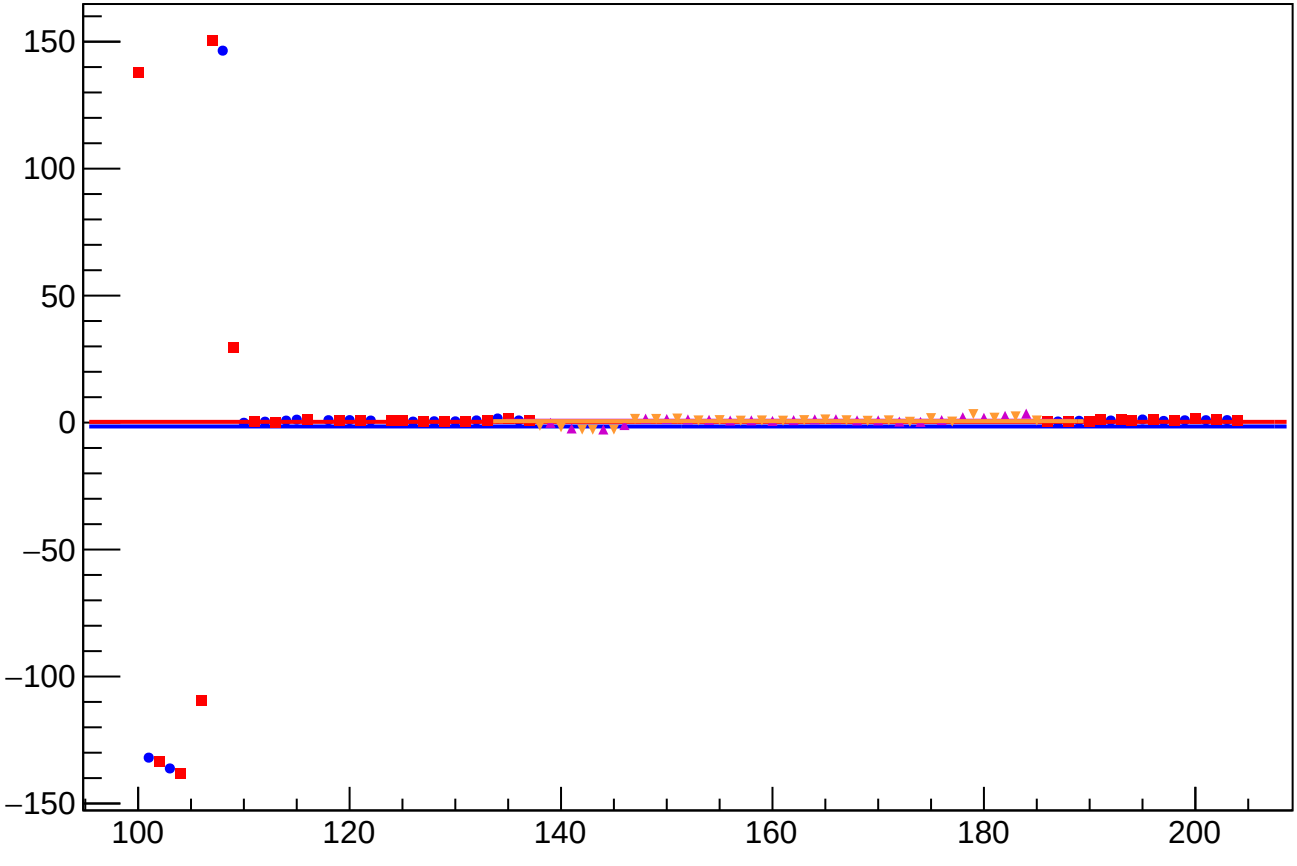
Right: 0.003+/-0.000 χ^2/NDF: 43586374.8/53

In: 0.003+/-0.000 χ^2/NDF:51316758.5/46

Out: 0.003+/-0.000 χ^2/NDF:56629715.8/54

All: 0.003+/-0.000 χ^2/NDF: 107946840.4/101

yield_cav4cX_mean vs Slug, Sign Corrected



Right In: -1.531+/-0.000 χ^2/NDF: 9899615589.2/23

Left Out: 0.575+/-0.000 χ^2/NDF:154364809.1/24

Right Out: 0.290+/-0.000 χ^2/NDF: 3612899480.7/29

Left In: 0.732+/-0.000 χ^2/NDF:105135095.8/22

Left: 0.650+/-0.000 χ^2/NDF: 260223435.2/47

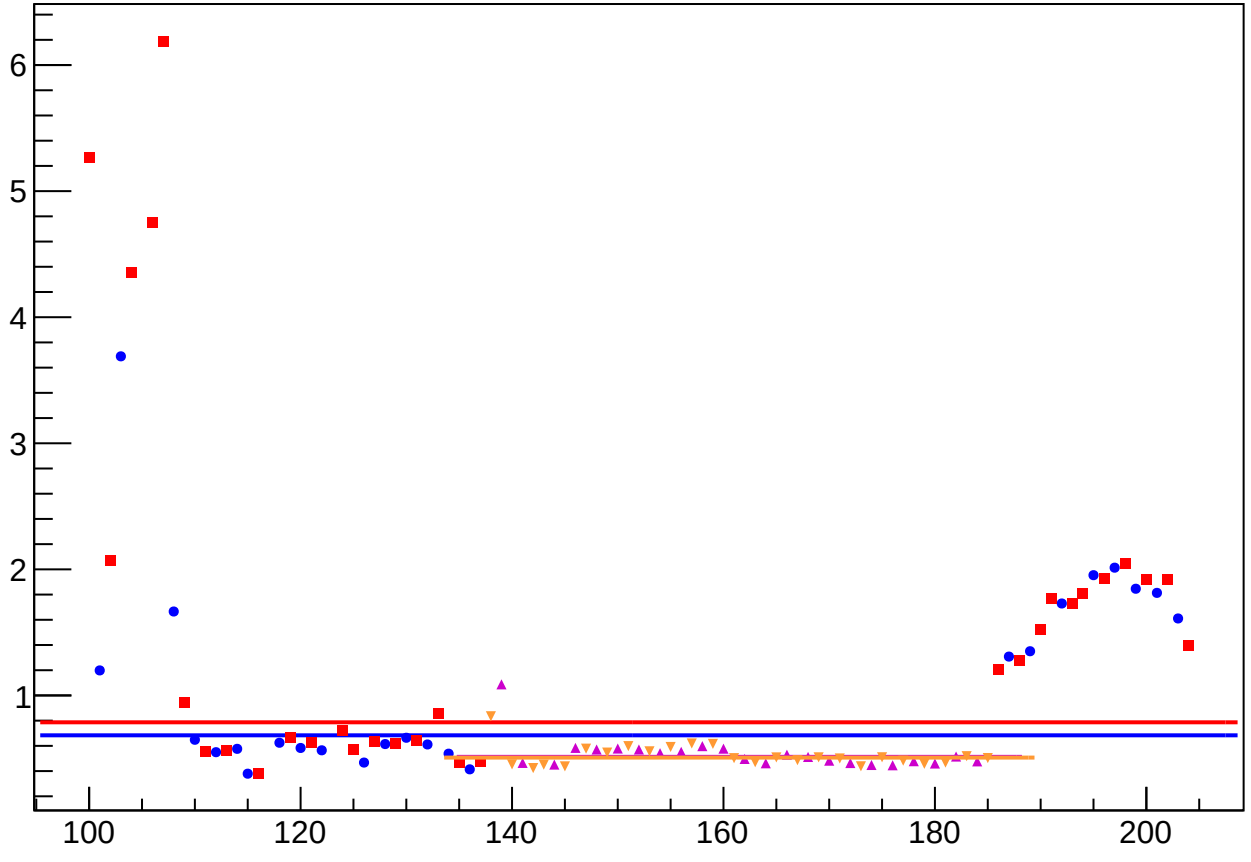
Right: -0.668+/-0.000 χ^2/NDF: 13540905812.9/53

In: 0.180+/-0.000 χ^2/NDF:10074742454.6/46

Out: 0.515+/-0.000 χ^2/NDF:3768304207.3/54

All: 0.351+/-0.000 χ^2/NDF: 13847272821.5/1

yield_cav4cX_rms vs Slug, Sign Corrected



Right In: 0.684+/-0.000 χ^2/NDF: 6406199.1/23

Left Out: 0.507+/-0.000 χ^2/NDF:554639.8/24

Right Out: 0.787+/-0.000 χ^2/NDF: 7733199.0/29

Left In: 0.513+/-0.000 χ^2/NDF:753419.6/22

Left: 0.510+/-0.000 χ^2/NDF: 1310004.6/47

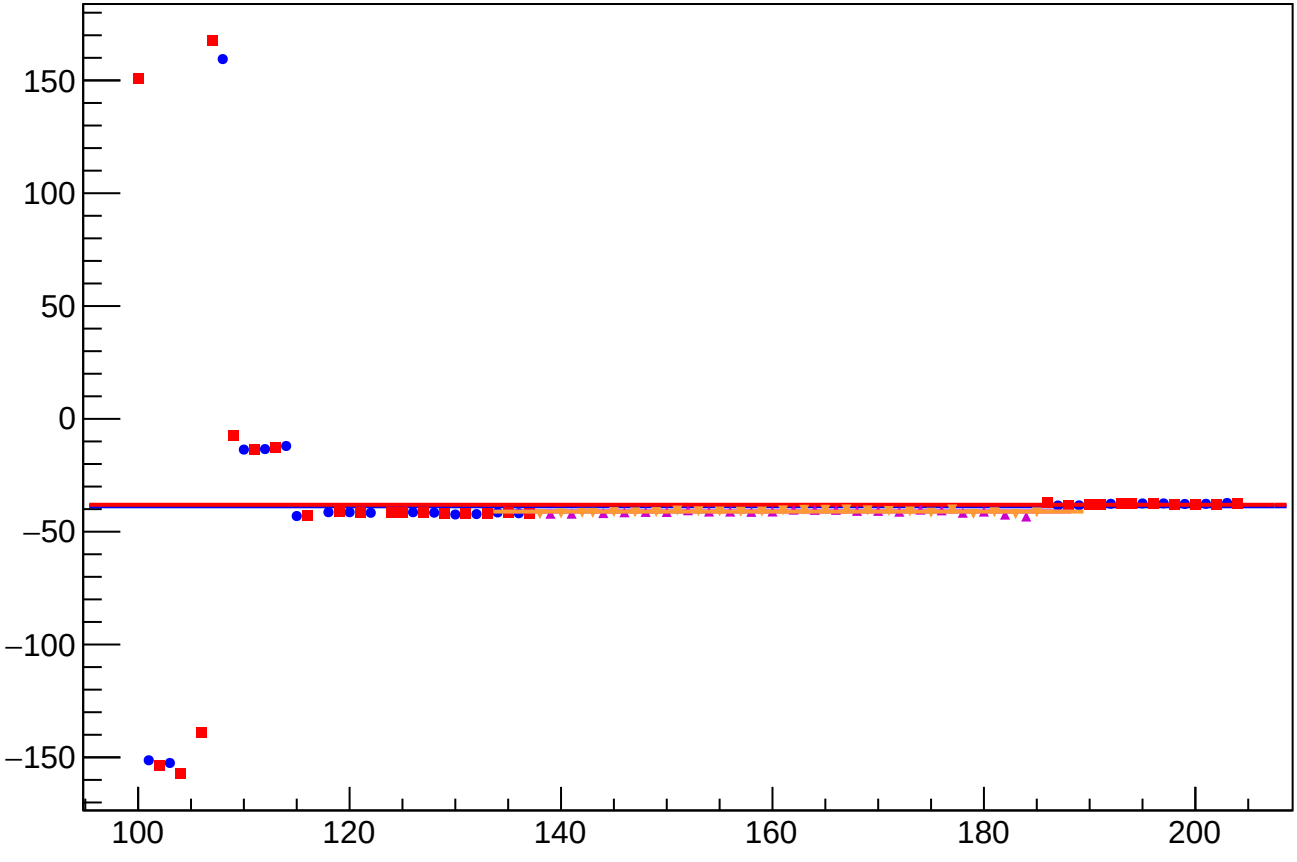
Right: 0.733+/-0.000 χ^2/NDF: 14321570.9/53

In: 0.554+/-0.000 χ^2/NDF:7957602.5/46

Out: 0.566+/-0.000 χ^2/NDF:10297748.3/54

All: 0.560+/-0.000 χ^2/NDF: 18265445.7/101

yield_cav4cY_mean vs Slug, Sign Corrected



Right In: -38.739+/-0.000 χ^2/NDF: 3593543674.5/23

Left Out: -41.092+/-0.000 χ^2/NDF:60251030.2/24

Right Out: -38.060+/-0.000 χ^2/NDF: 2510916983.4/29

Left In: -41.029+/-0.000 χ^2/NDF:51382147.2/22

Left: -41.062+/-0.000 χ^2/NDF: 111932061.5/47

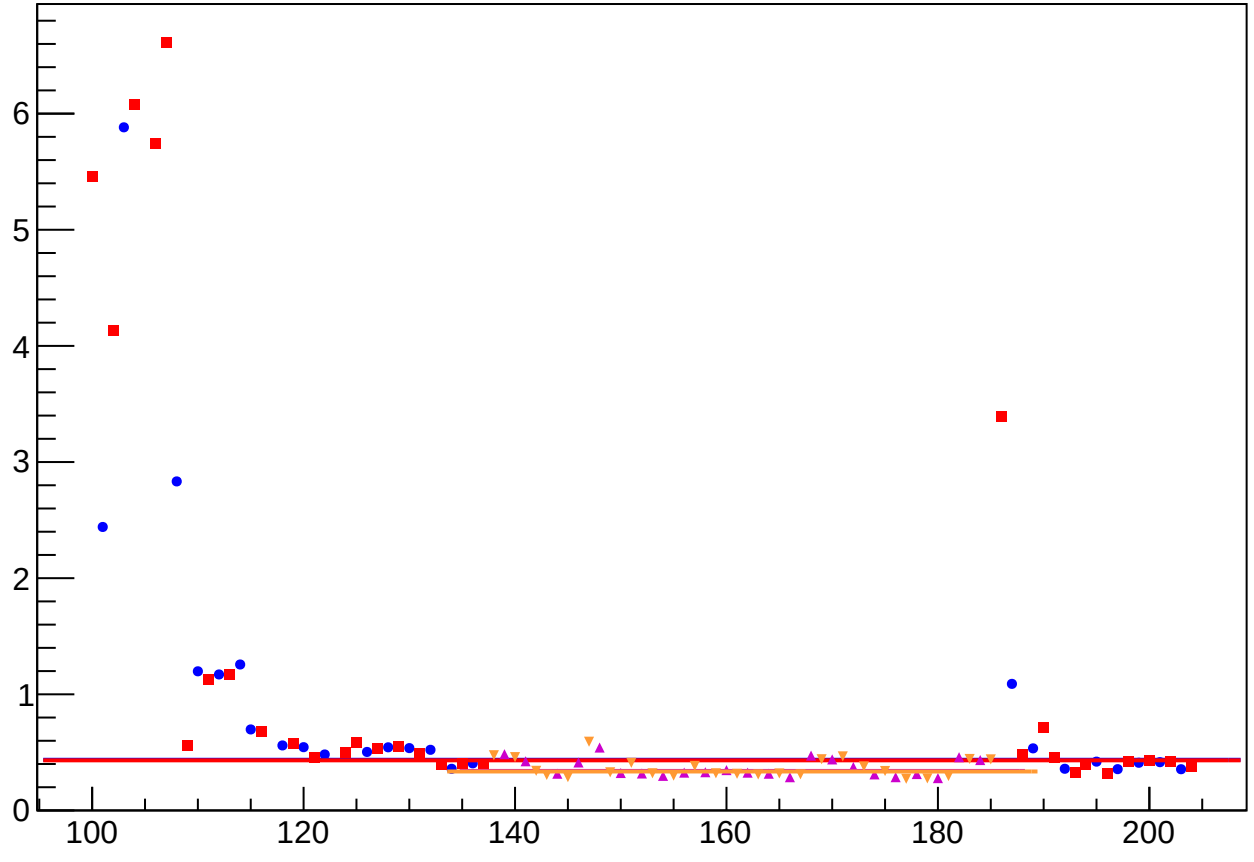
Right: -38.372+/-0.000 χ^2/NDF: 6117828145.9/53

In: -40.411+/-0.000 χ^2/NDF:3850402848.4/46

Out: -40.226+/-0.000 χ^2/NDF:2984647741.9/54

All: -40.314+/-0.000 χ^2/NDF: 6838616420.0/

yield_cav4cY_rms vs Slug, Sign Corrected



Right In: 0.436+/-0.000 χ^2/NDF: 3641399.5/23

Left Out: 0.336+/-0.000 χ^2/NDF:1238006.0/24

Right Out: 0.432+/-0.000 χ^2/NDF: 4650623.3/29

Left In: 0.340+/-0.000 χ^2/NDF:1065343.8/22

Left: 0.338+/-0.000 χ^2/NDF: 2306534.0/47

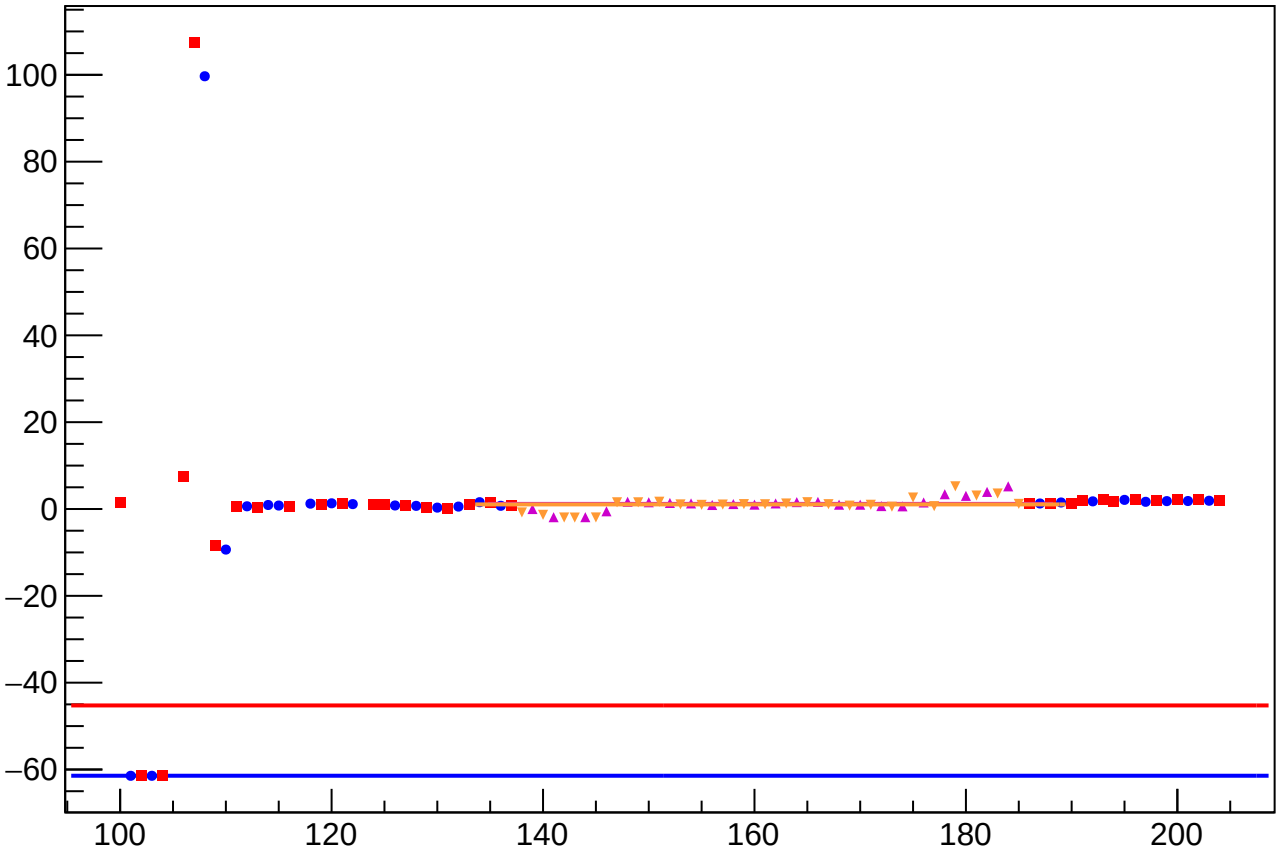
Right: 0.434+/-0.000 χ^2/NDF: 8293298.6/53

In: 0.366+/-0.000 χ^2/NDF:5430394.8/46

Out: 0.363+/-0.000 χ^2/NDF:6717460.3/54

All: 0.365+/-0.000 χ^2/NDF: 12149894.6/101

yield_cav4dX_mean vs Slug, Sign Corrected



Right In: -61.436+/-0.000 χ^2/NDF: 283699201896.9/23

Left Out: 1.059+/-0.000 χ^2/NDF:253133917.4/24

Right Out: -45.245+/-0.000 χ^2/NDF: 357878727024461.8/29

Left In: 1.175+/-0.000 χ^2/NDF:182397676.2/22

Left: 1.114+/-0.000 χ^2/NDF: 436074136.1/47

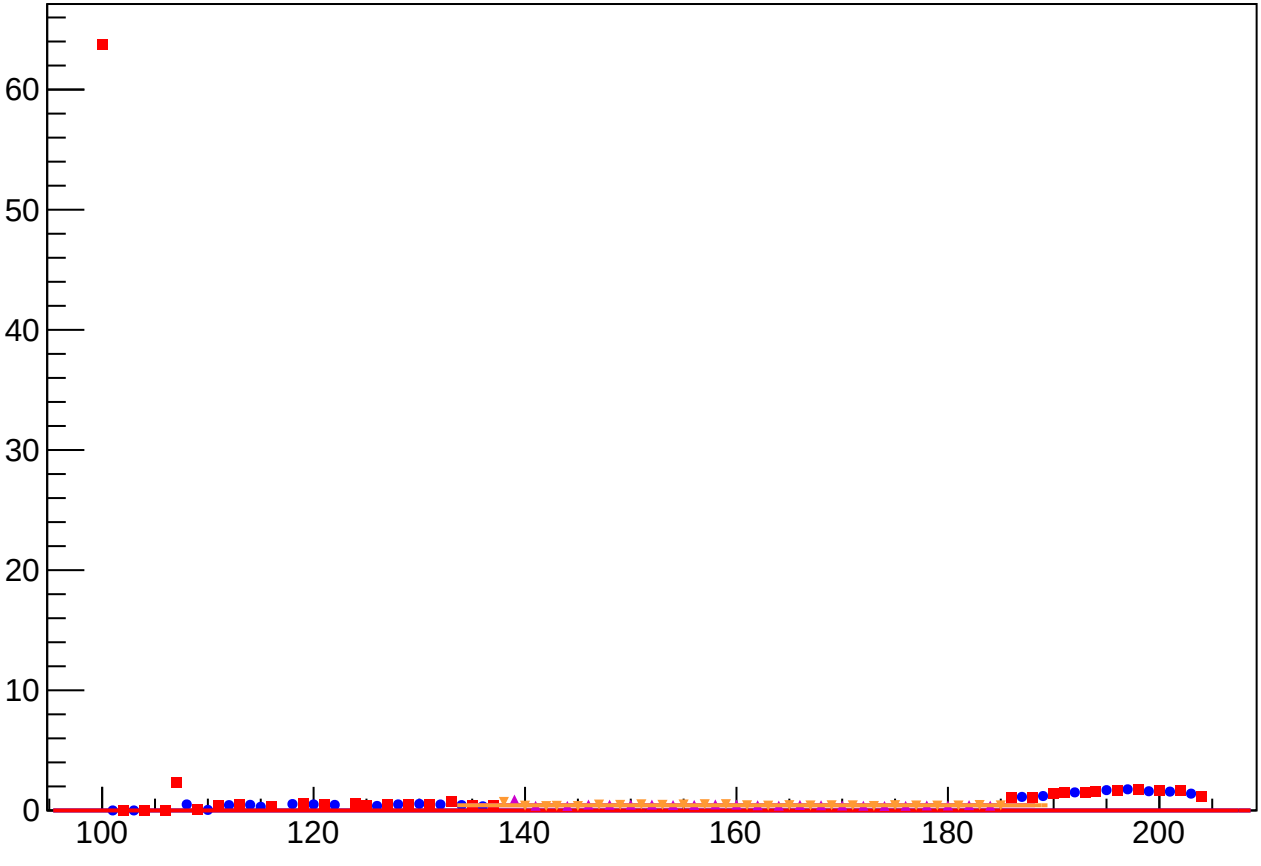
Right: -52.749+/-0.000 χ^2/NDF: 409140804076616

In: -61.422+/-0.000 χ^2/NDF:586561913114.1/46

Out: -45.235+/-0.000 χ^2/NDF:358060008033743.1

All: -52.738+/-0.000 χ^2/NDF: 409610213264

yield_cav4dX_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 20723902.7/23

Left Out: 0.432+/-0.000 χ^2/NDF:527546.3/24

Right Out: 0.001+/-0.000 χ^2/NDF: 24774112.8/29

Left In: 0.438+/-0.000 χ^2/NDF:698702.2/22

Left: 0.435+/-0.000 χ^2/NDF: 1229702.8/47

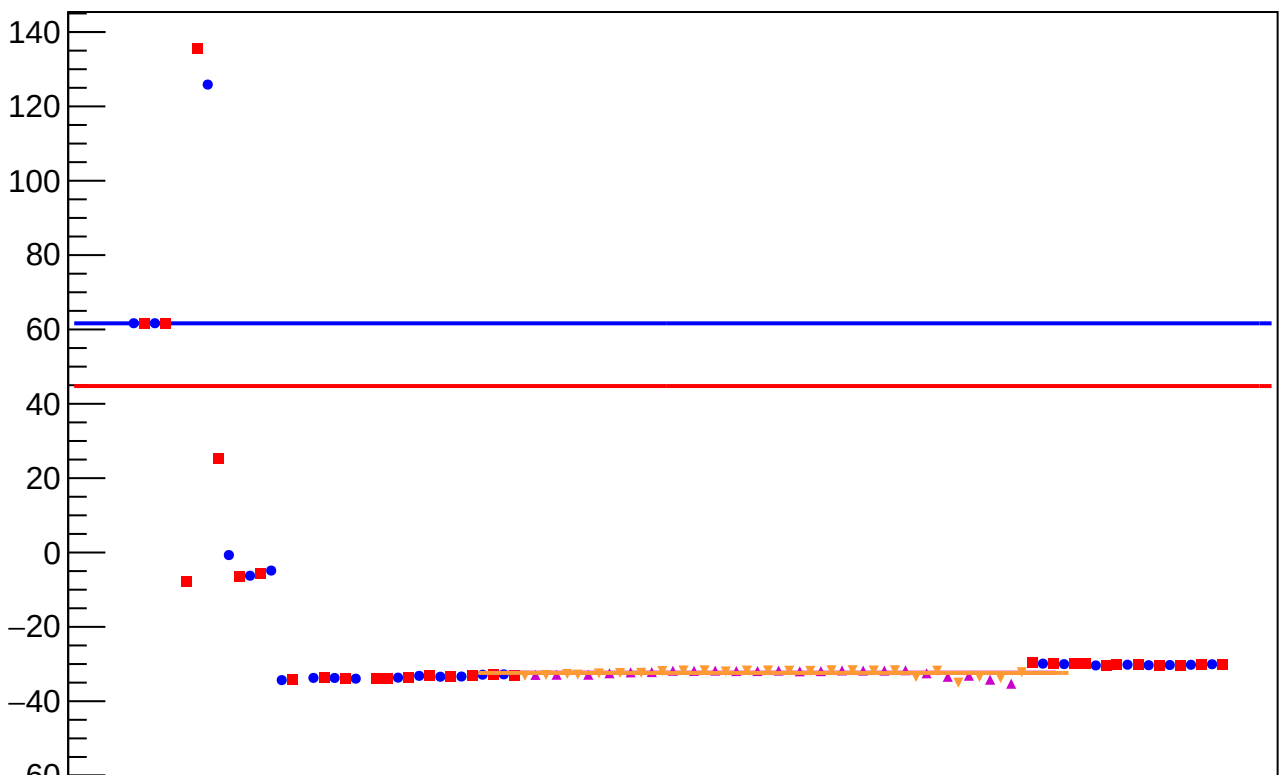
Right: 0.001+/-0.000 χ^2/NDF: 45498015.6/53

In: 0.002+/-0.000 χ^2/NDF:50864645.3/46

Out: 0.002+/-0.000 χ^2/NDF:56539364.9/54

All: 0.002+/-0.000 χ^2/NDF: 107404027.6/101

yield_cav4dY_mean vs Slug, Sign Corrected



Right In: 61.648+/-0.000 χ^2/NDF: 812166712329.2/23

Left Out: -32.386+/-0.000 χ^2/NDF:172024234.9/24

Right Out: 44.773+/-0.000 χ^2/NDF: 3664595914724 18.4/29

Left In: -32.325+/-0.000 χ^2/NDF:118654391.5/22

Left: -32.356+/-0.000 χ^2/NDF: 291084378.8/47

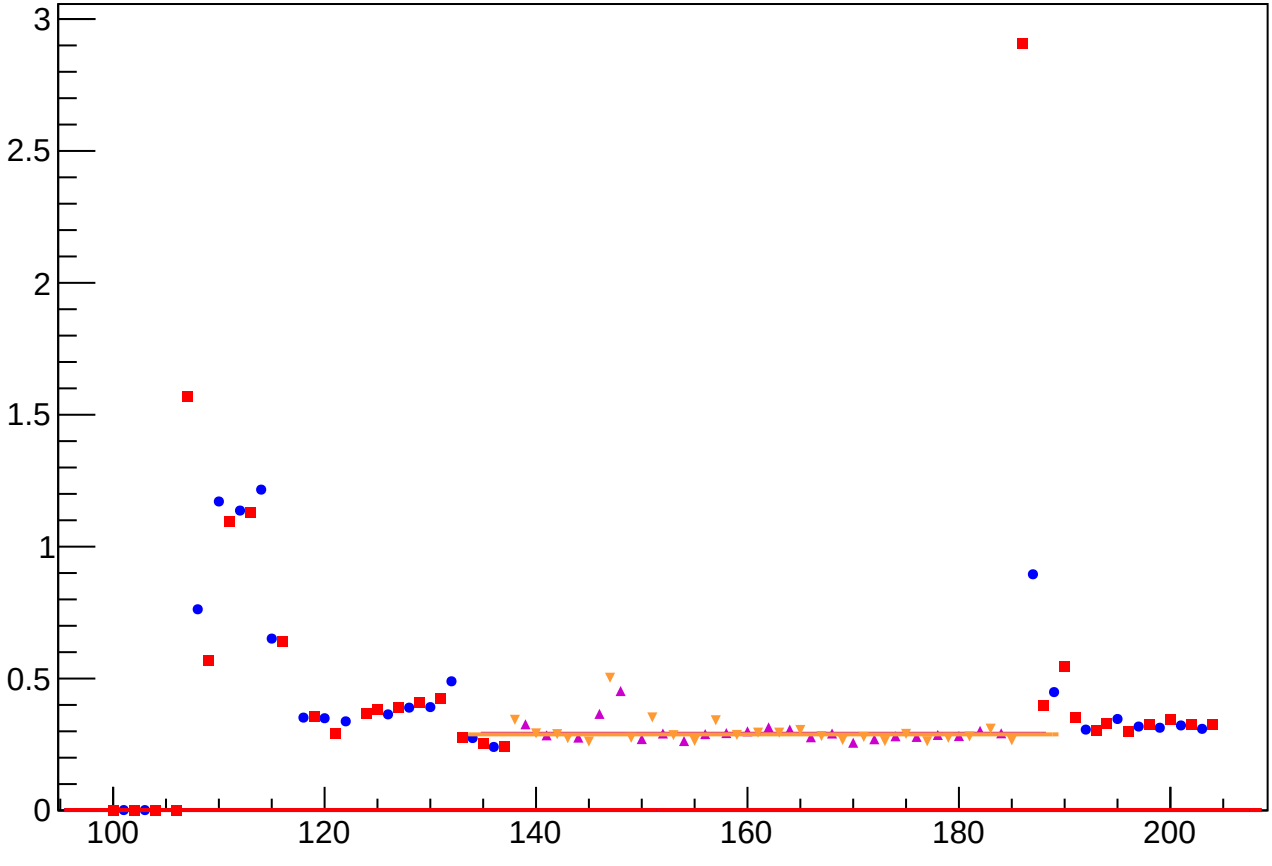
Right: 52.675+/-0.000 χ^2/NDF: 418374347563669.4

In: 61.590+/-0.000 χ^2/NDF:2635491499637.1/46

Out: 44.728+/-0.000 χ^2/NDF:367777752169503.1

All: 52.625+/-0.000 χ^2/NDF: 4214680776022

yield_cav4dY_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 22340458.7/23

Left Out: 0.288+/-0.000 χ^2/NDF:522979.2/24

Right Out: 0.002+/-0.000 χ^2/NDF: 25723195.5/29

Left In: 0.291+/-0.000 χ^2/NDF:387524.5/22

Left: 0.290+/-0.000 χ^2/NDF: 911587.8/47

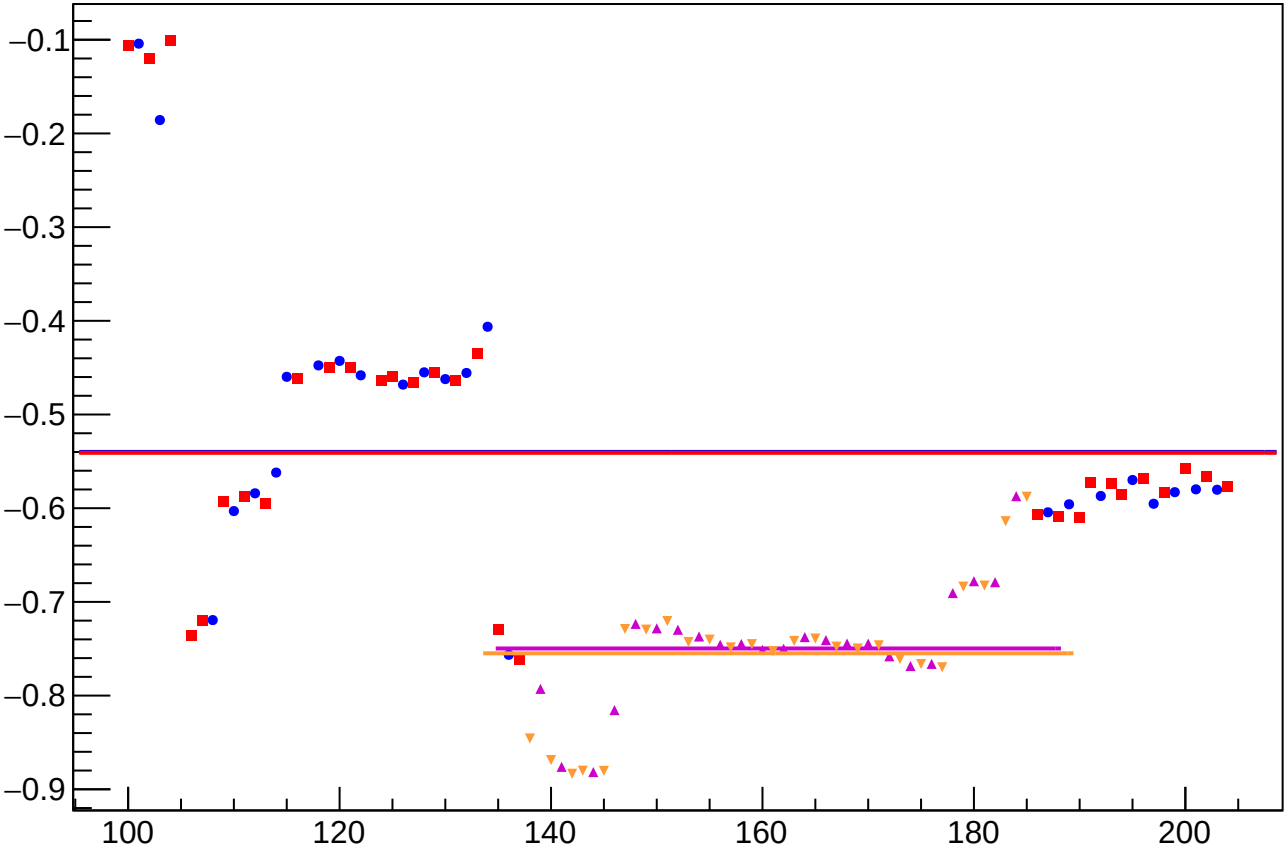
Right: 0.002+/-0.000 χ^2/NDF: 48063874.7/53

In: 0.002+/-0.000 χ^2/NDF:57238778.9/46

Out: 0.002+/-0.000 χ^2/NDF:62670283.0/54

All: 0.002+/-0.000 χ^2/NDF: 119909128.6/101

yield_bpm4aX_mean vs Slug, Sign Corrected



Right In: -0.540+/-0.000 χ^2/NDF: 303863169.3/23

Left Out: -0.755+/-0.000 χ^2/NDF:212643091.8/24

Right Out: -0.541+/-0.000 χ^2/NDF: 219327635.8/29

Left In: -0.750+/-0.000 χ^2/NDF:140839352.1/22

Left: -0.752+/-0.000 χ^2/NDF: 354065711.9/47

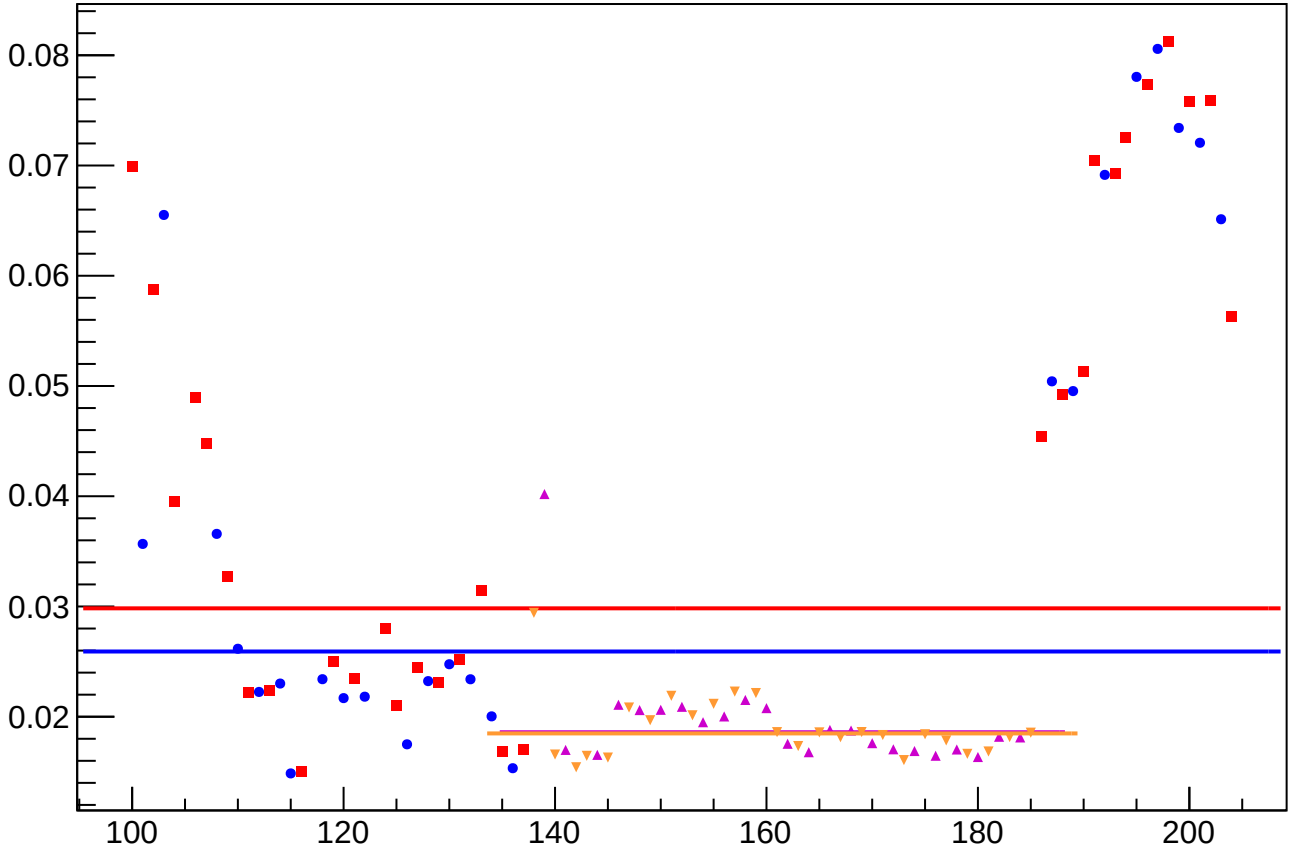
Right: -0.540+/-0.000 χ^2/NDF: 523196360.8/53

In: -0.701+/-0.000 χ^2/NDF:879517525.6/46

Out: -0.711+/-0.000 χ^2/NDF:863734883.7/54

All: -0.706+/-0.000 χ^2/NDF: 1745975384.1/1

yield_bpm4aX_rms vs Slug, Sign Corrected



Right In: 0.026+/-0.000 χ^2/NDF: 6164963.4/23

Left Out: 0.018+/-0.000 χ^2/NDF:491665.0/24

Right Out: 0.030+/-0.000 χ^2/NDF: 6737103.5/29

Left In: 0.019+/-0.000 χ^2/NDF:739183.3/22

Left: 0.019+/-0.000 χ^2/NDF: 1231372.8/47

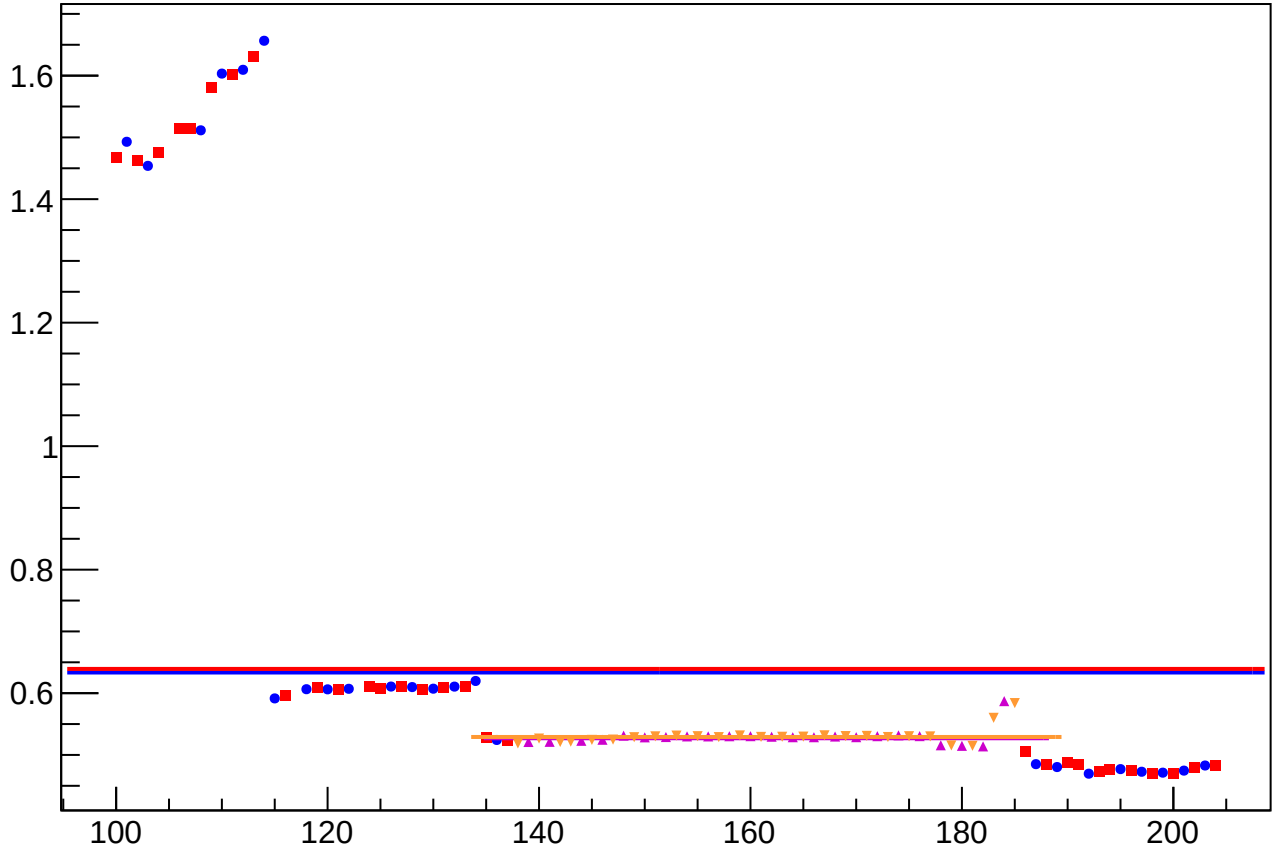
Right: 0.028+/-0.000 χ^2/NDF: 13091437.4/53

In: 0.020+/-0.000 χ^2/NDF:7963446.8/46

Out: 0.021+/-0.000 χ^2/NDF:9656406.7/54

All: 0.021+/-0.000 χ^2/NDF: 17635541.2/101

yield_bpm4aY_mean vs Slug, Sign Corrected



Right In: 0.633+/-0.000 χ^2/NDF: 5425735470.6/23

Left Out: 0.529+/-0.000 χ^2/NDF:16236836.5/24

Right Out: 0.639+/-0.000 χ^2/NDF: 6449901752.8/29

Left In: 0.527+/-0.000 χ^2/NDF:13035326.4/22

Left: 0.528+/-0.000 χ^2/NDF: 29556075.1/47

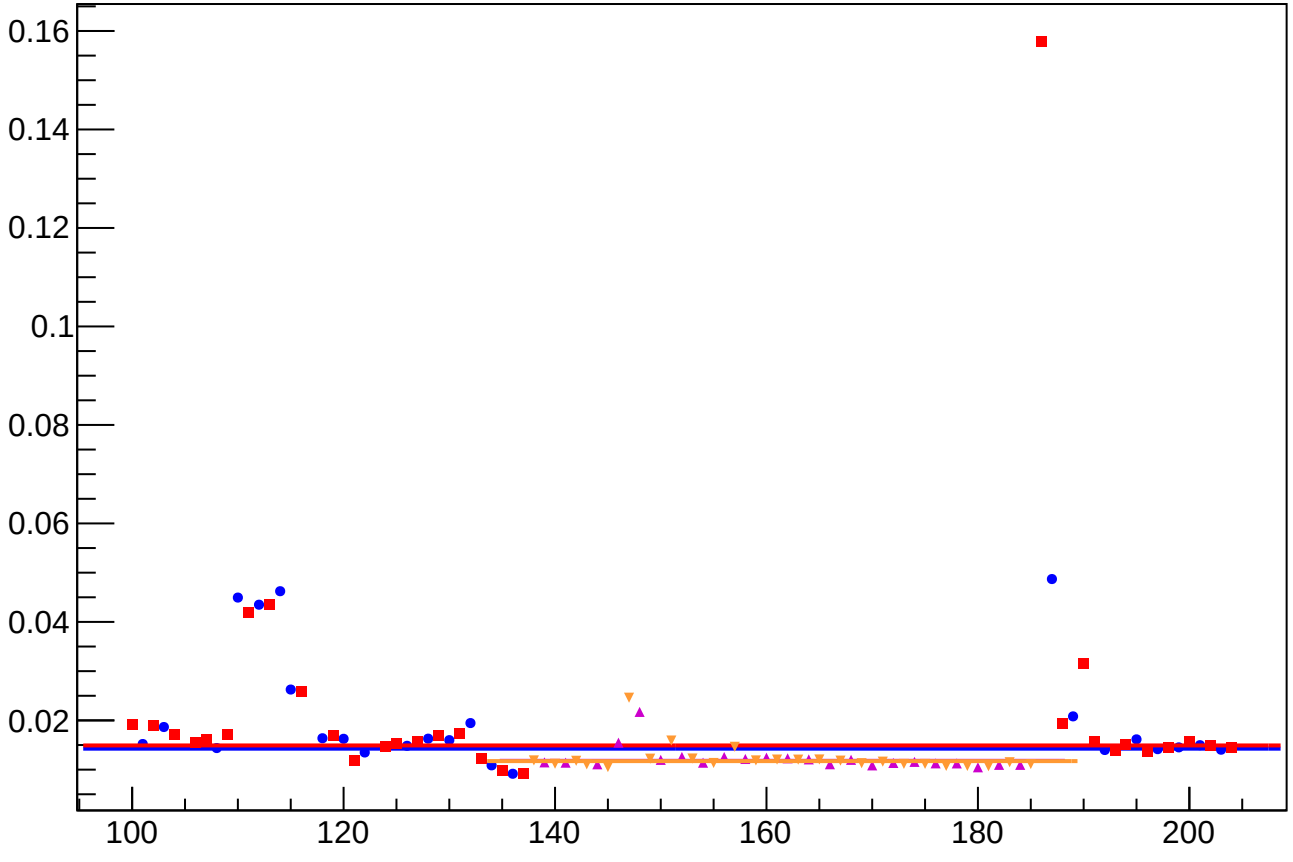
Right: 0.636+/-0.000 χ^2/NDF: 11876619270.3/53

In: 0.560+/-0.000 χ^2/NDF:5881056814.9/46

Out: 0.563+/-0.000 χ^2/NDF:6971702440.7/54

All: 0.562+/-0.000 χ^2/NDF: 12853791100.4/1

yield_bpm4aY_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 1963150.9/23

Left Out: 0.012+/-0.000 χ^2/NDF:699878.1/24

Right Out: 0.015+/-0.000 χ^2/NDF: 2383944.8/29

Left In: 0.012+/-0.000 χ^2/NDF:519826.8/22

Left: 0.012+/-0.000 χ^2/NDF: 1220115.4/47

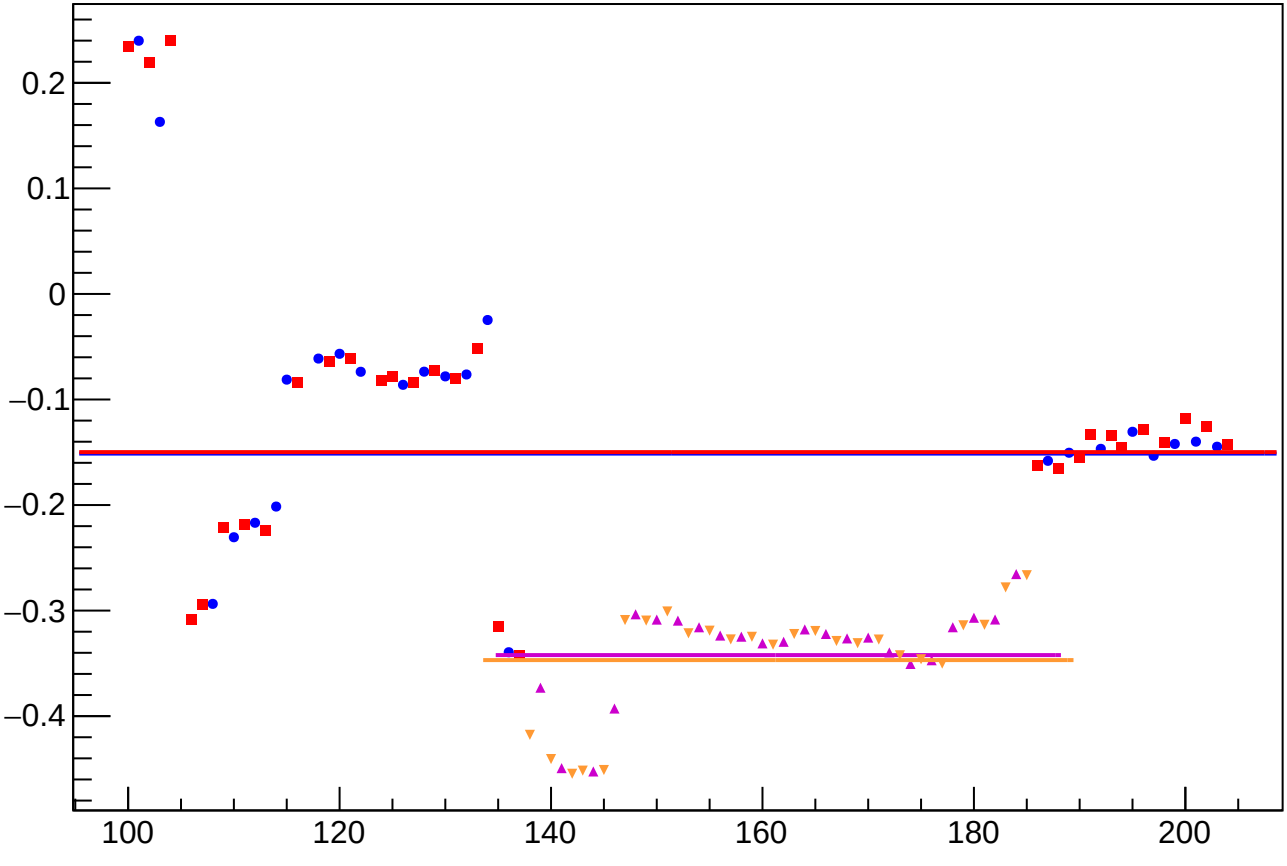
Right: 0.015+/-0.000 χ^2/NDF: 4371982.5/53

In: 0.013+/-0.000 χ^2/NDF:2959145.4/46

Out: 0.013+/-0.000 χ^2/NDF:3925846.2/54

All: 0.013+/-0.000 χ^2/NDF: 6890125.6/101

yield_bpm4eX_mean vs Slug, Sign Corrected



Right In: -0.151+/-0.000 χ^2/NDF: 276912247.2/23

Left Out: -0.347+/-0.000 χ^2/NDF:125890246.2/24

Right Out: -0.150+/-0.000 χ^2/NDF: 199946052.3/29

Left In: -0.342+/-0.000 χ^2/NDF:88220744.3/22

Left: -0.345+/-0.000 χ^2/NDF: 214611737.9/47

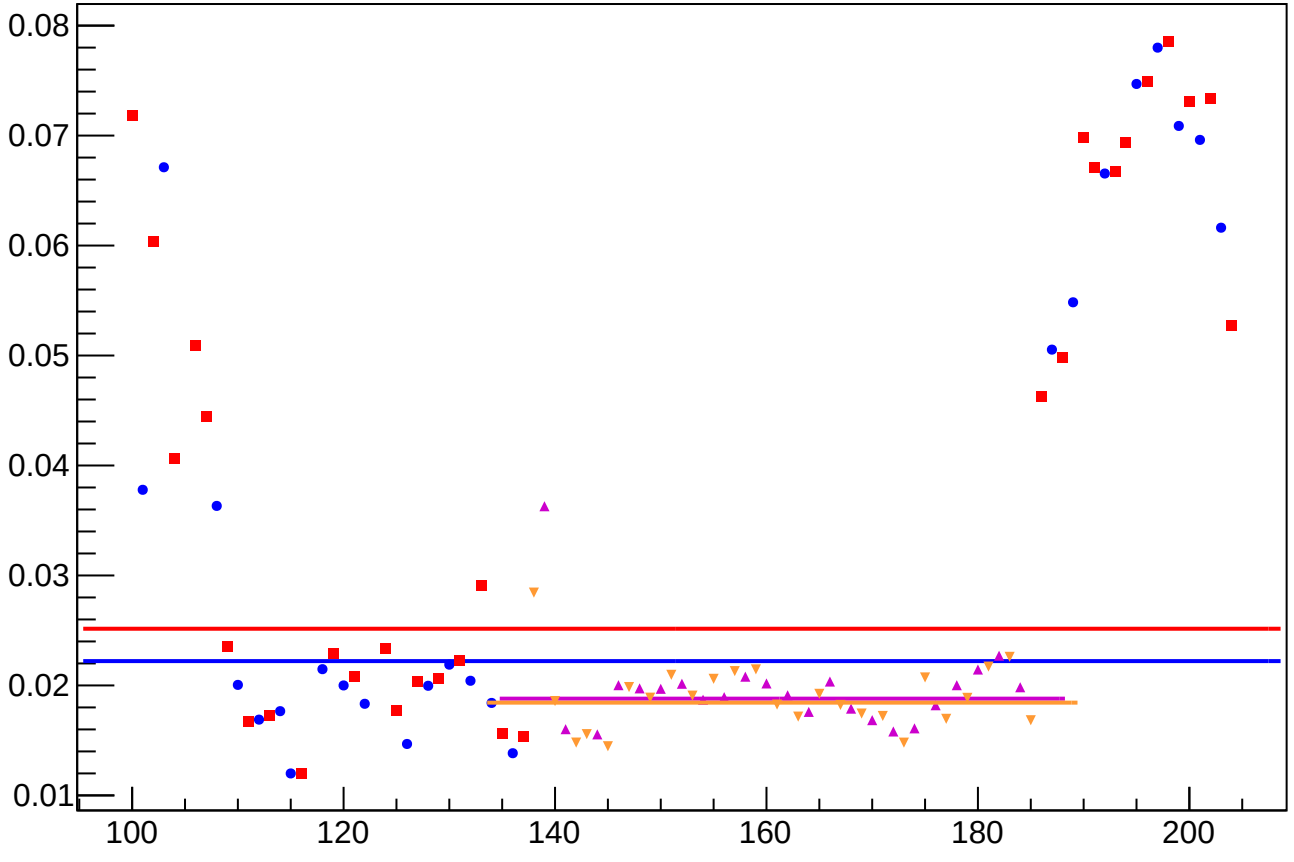
Right: -0.151+/-0.000 χ^2/NDF: 476873686.7/53

In: -0.288+/-0.000 χ^2/NDF:802142581.5/46

Out: -0.297+/-0.000 χ^2/NDF:780540504.1/54

All: -0.293+/-0.000 χ^2/NDF: 1585239547.7/1

yield_bpm4eX_rms vs Slug, Sign Corrected



Right In: 0.022+/-0.000 χ^2/NDF: 7022950.4/23

Left Out: 0.018+/-0.000 χ^2/NDF:640029.5/24

Right Out: 0.025+/-0.000 χ^2/NDF: 8117455.6/29

Left In: 0.019+/-0.000 χ^2/NDF:718726.0/22

Left: 0.019+/-0.000 χ^2/NDF: 1364603.4/47

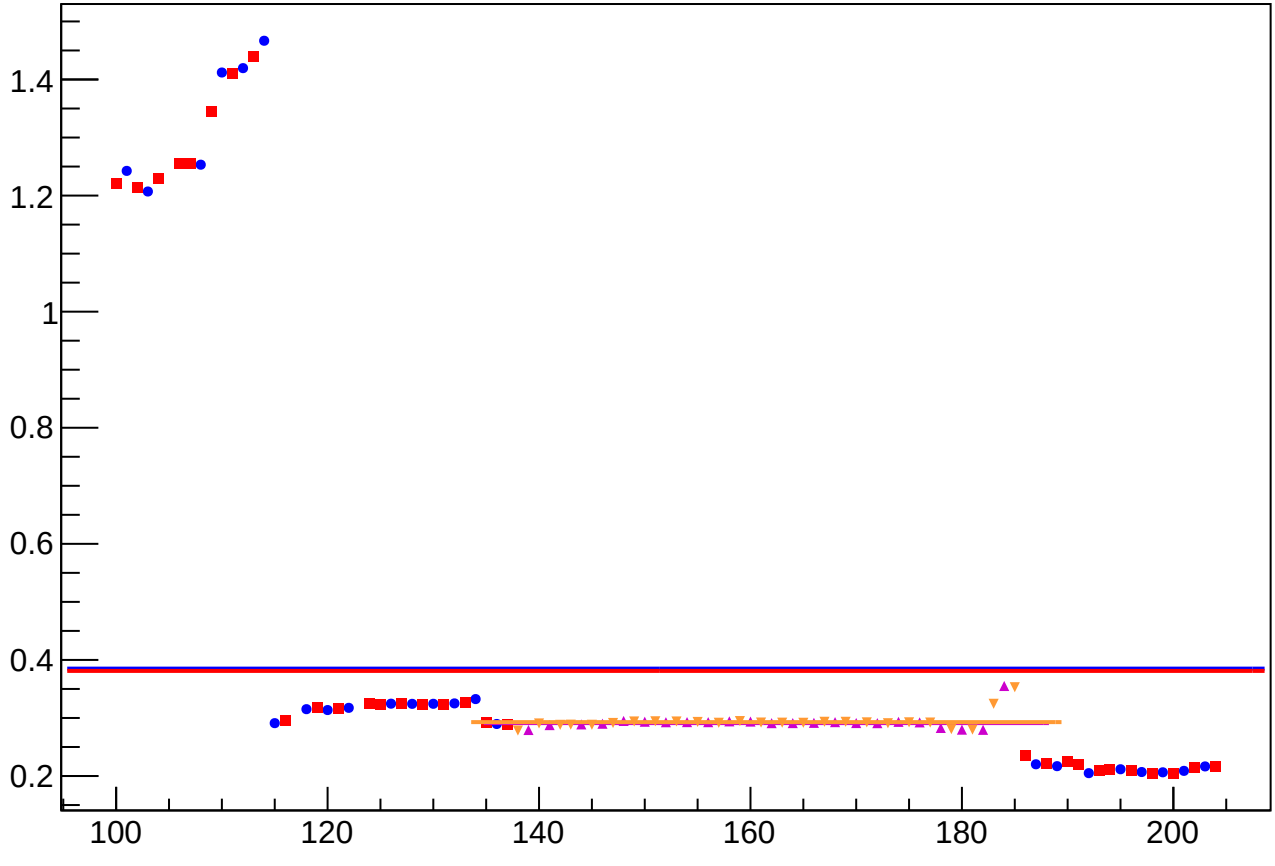
Right: 0.024+/-0.000 χ^2/NDF: 15280224.8/53

In: 0.020+/-0.000 χ^2/NDF:8021256.4/46

Out: 0.020+/-0.000 χ^2/NDF:9815106.9/54

All: 0.020+/-0.000 χ^2/NDF: 17844218.9/101

yield_bpm4eY_mean vs Slug, Sign Corrected



Right In: 0.385+/-0.000 χ^2/NDF: 8044756785.8/23

Left Out: 0.293+/-0.000 χ^2/NDF:17281571.0/24

Right Out: 0.381+/-0.000 χ^2/NDF: 9125586996.4/29

Left In: 0.291+/-0.000 χ^2/NDF:10282762.1/22

Left: 0.292+/-0.000 χ^2/NDF: 27773527.3/47

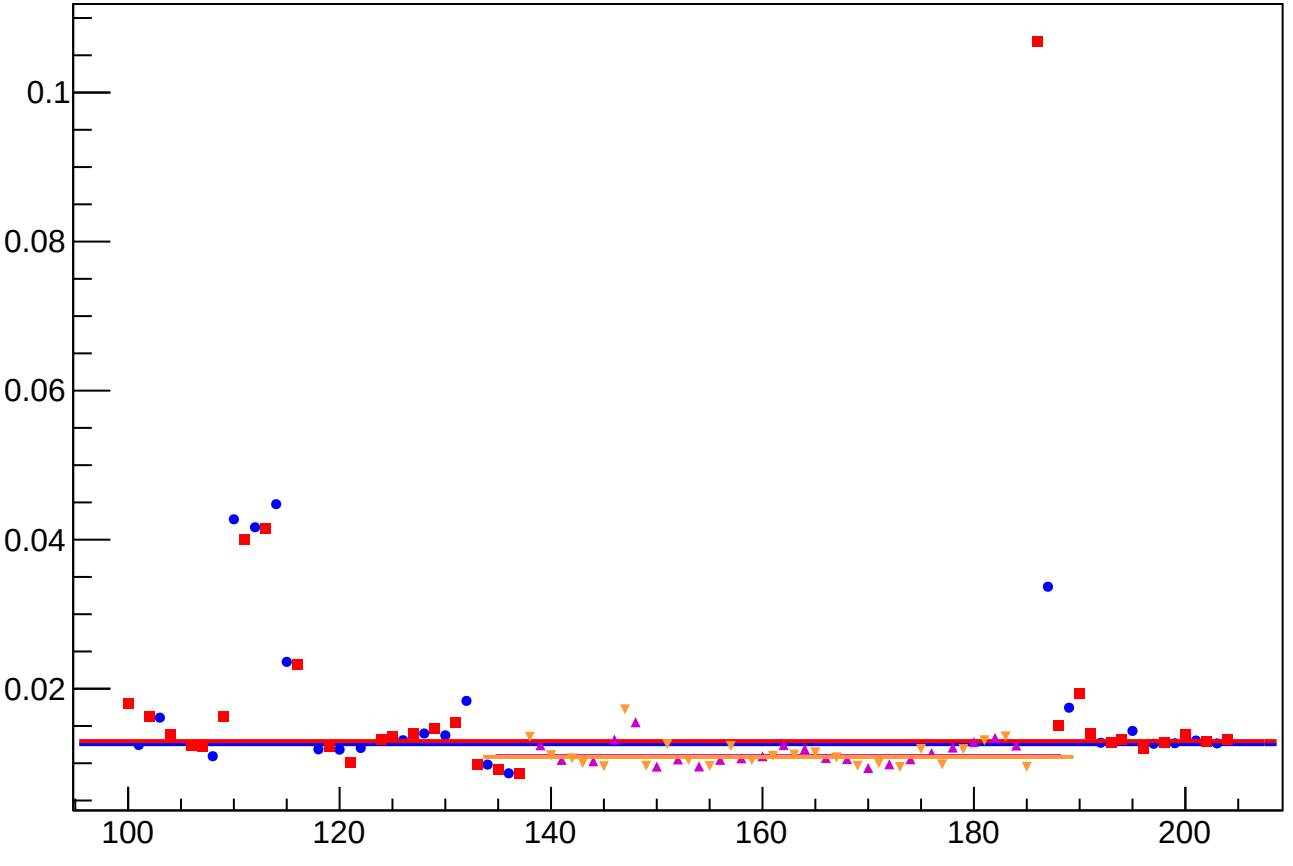
Right: 0.383+/-0.000 χ^2/NDF: 17170931937.6/53

In: 0.323+/-0.000 χ^2/NDF:8482783148.6/46

Out: 0.323+/-0.000 χ^2/NDF:9553167059.1/54

All: 0.323+/-0.000 χ^2/NDF: 18035950219.0/1

yield_bpm4eY_rms vs Slug, Sign Corrected



Right In: 0.013+/-0.000 χ^2/NDF: 1765581.8/23

Left Out: 0.011+/-0.000 χ^2/NDF:654475.7/24

Right Out: 0.013+/-0.000 χ^2/NDF: 2165446.2/29

Left In: 0.011+/-0.000 χ^2/NDF:512130.1/22

Left: 0.011+/-0.000 χ^2/NDF: 1168468.8/47

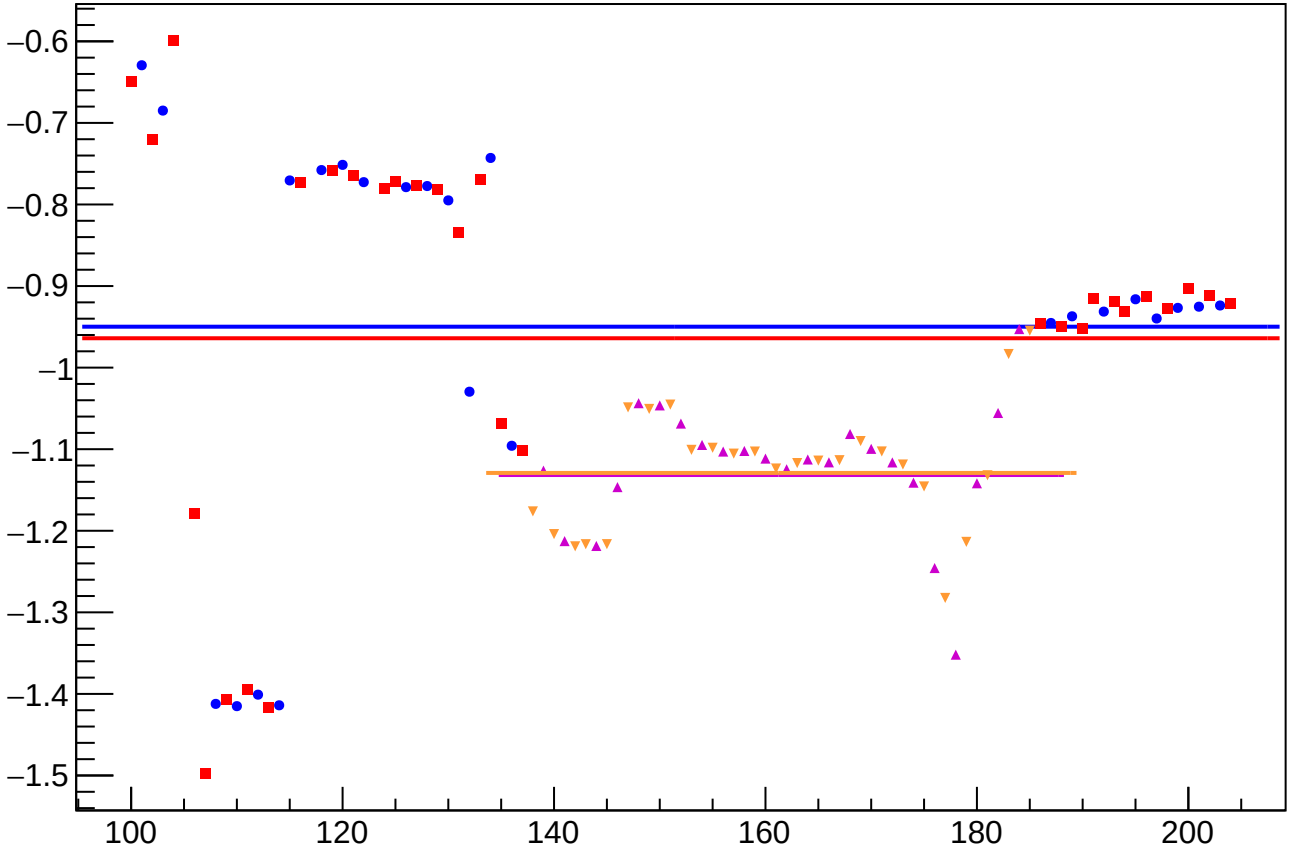
Right: 0.013+/-0.000 χ^2/NDF: 3943919.2/53

In: 0.011+/-0.000 χ^2/NDF:2528066.1/46

Out: 0.012+/-0.000 χ^2/NDF:3297134.8/54

All: 0.012+/-0.000 χ^2/NDF: 5826287.3/101

yield_bpm4acX_mean vs Slug, Sign Corrected



Right In: -0.950+/-0.000 χ^2/NDF: 700137899.1/23

Left Out: -1.129+/-0.000 χ^2/NDF:238152679.4/24

Right Out: -0.964+/-0.000 χ^2/NDF: 717851072.1/29

Left In: -1.132+/-0.000 χ^2/NDF:260075820.5/22

Left: -1.130+/-0.000 χ^2/NDF: 498379456.8/47

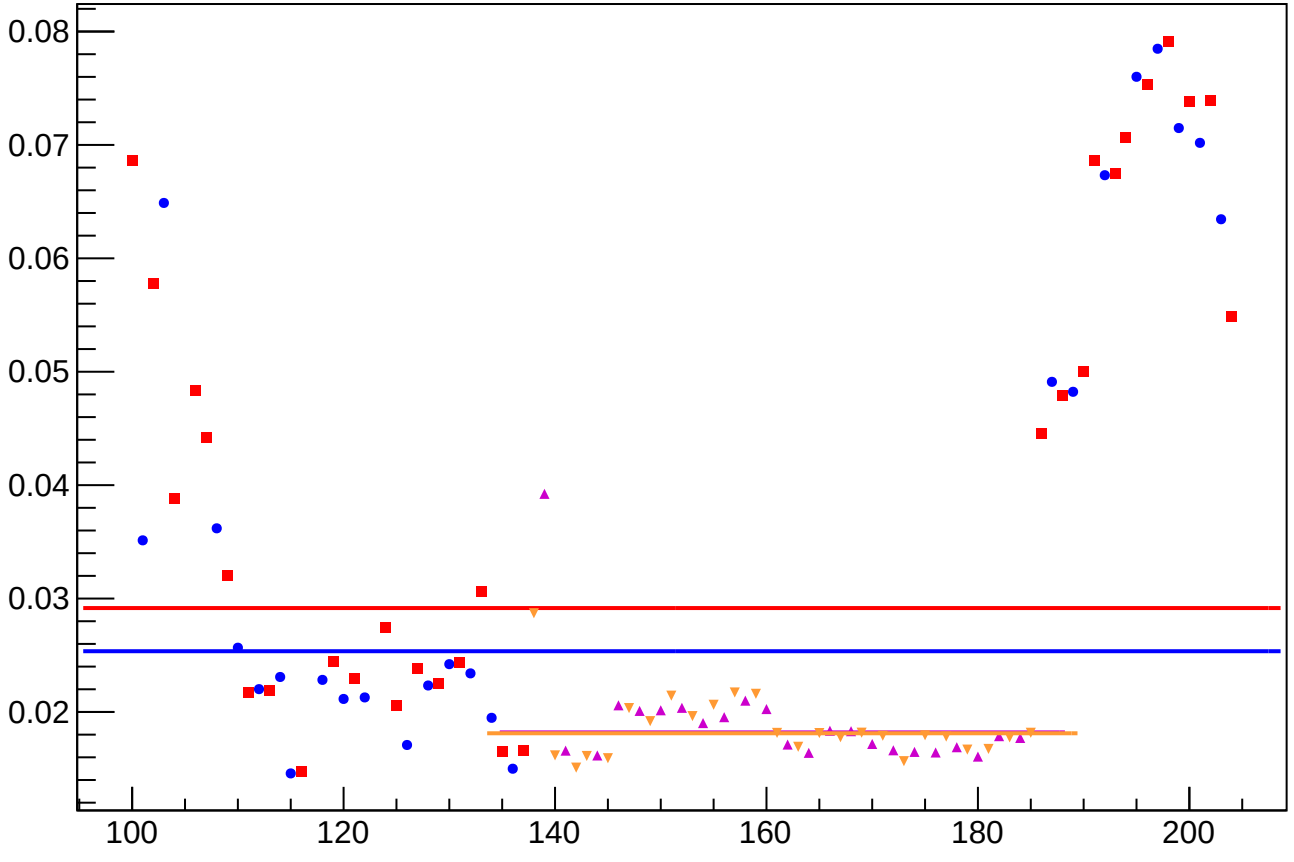
Right: -0.957+/-0.000 χ^2/NDF: 1419285659.2/53

In: -1.089+/-0.000 χ^2/NDF:1301498472.8/46

Out: -1.095+/-0.000 χ^2/NDF:1224449540.1/54

All: -1.092+/-0.000 χ^2/NDF: 2526862619.0/1

yield_bpm4acX_rms vs Slug, Sign Corrected



Right In: 0.025+/-0.000 χ^2/NDF: 6154919.9/23

Left Out: 0.018+/-0.000 χ^2/NDF:474004.4/24

Right Out: 0.029+/-0.000 χ^2/NDF: 6718004.9/29

Left In: 0.018+/-0.000 χ^2/NDF:723957.3/22

Left: 0.018+/-0.000 χ^2/NDF: 1198259.9/47

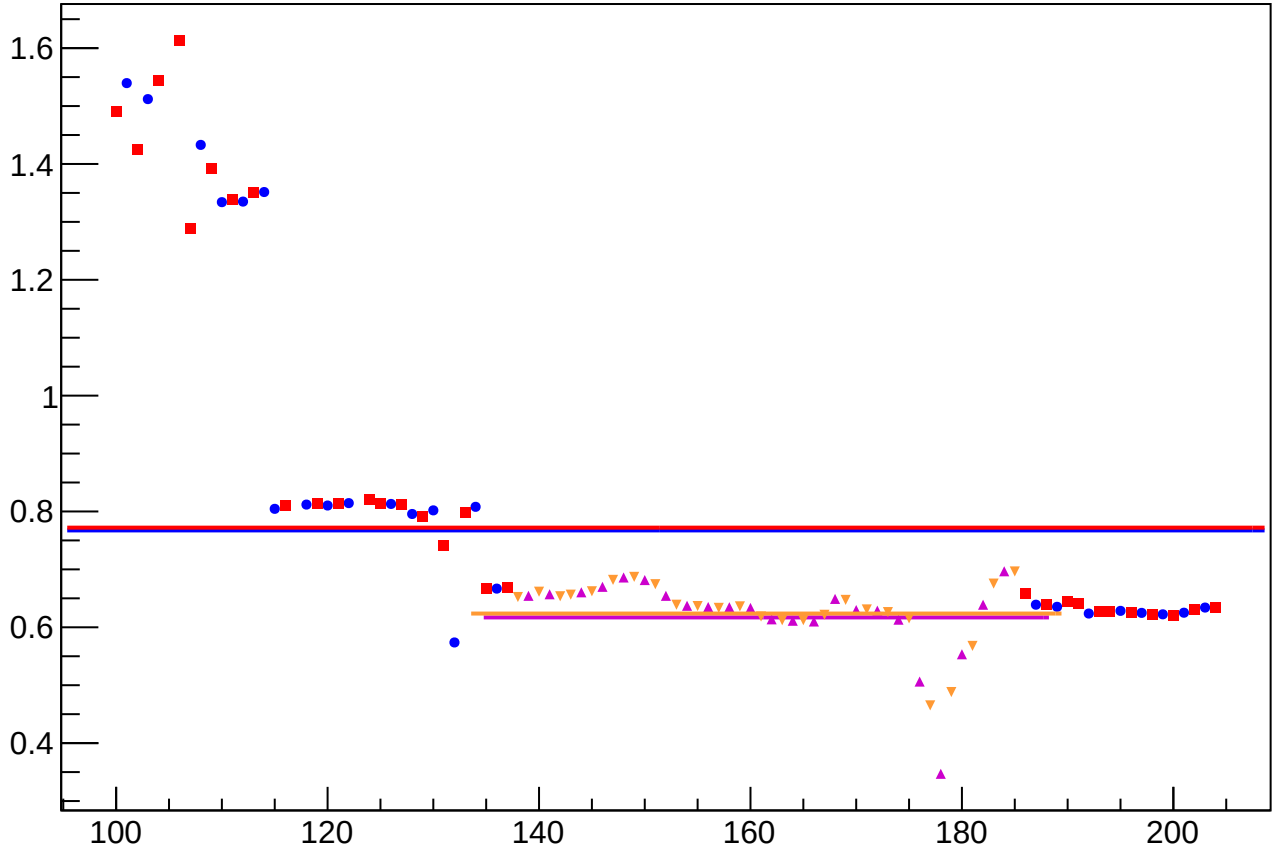
Right: 0.027+/-0.000 χ^2/NDF: 13059965.3/53

In: 0.020+/-0.000 χ^2/NDF:7936047.8/46

Out: 0.020+/-0.000 χ^2/NDF:9593705.5/54

All: 0.020+/-0.000 χ^2/NDF: 17546908.5/101

yield_bpm4acY_mean vs Slug, Sign Corrected



Right In: 0.767+/-0.000 χ^2/NDF: 3689064617.3/23

Left Out: 0.624+/-0.000 χ^2/NDF:400613435.2/24

Right Out: 0.772+/-0.000 χ^2/NDF: 4100827660.3/29

Left In: 0.617+/-0.000 χ^2/NDF:646297442.3/22

Left: 0.620+/-0.000 χ^2/NDF: 1049789293.9/47

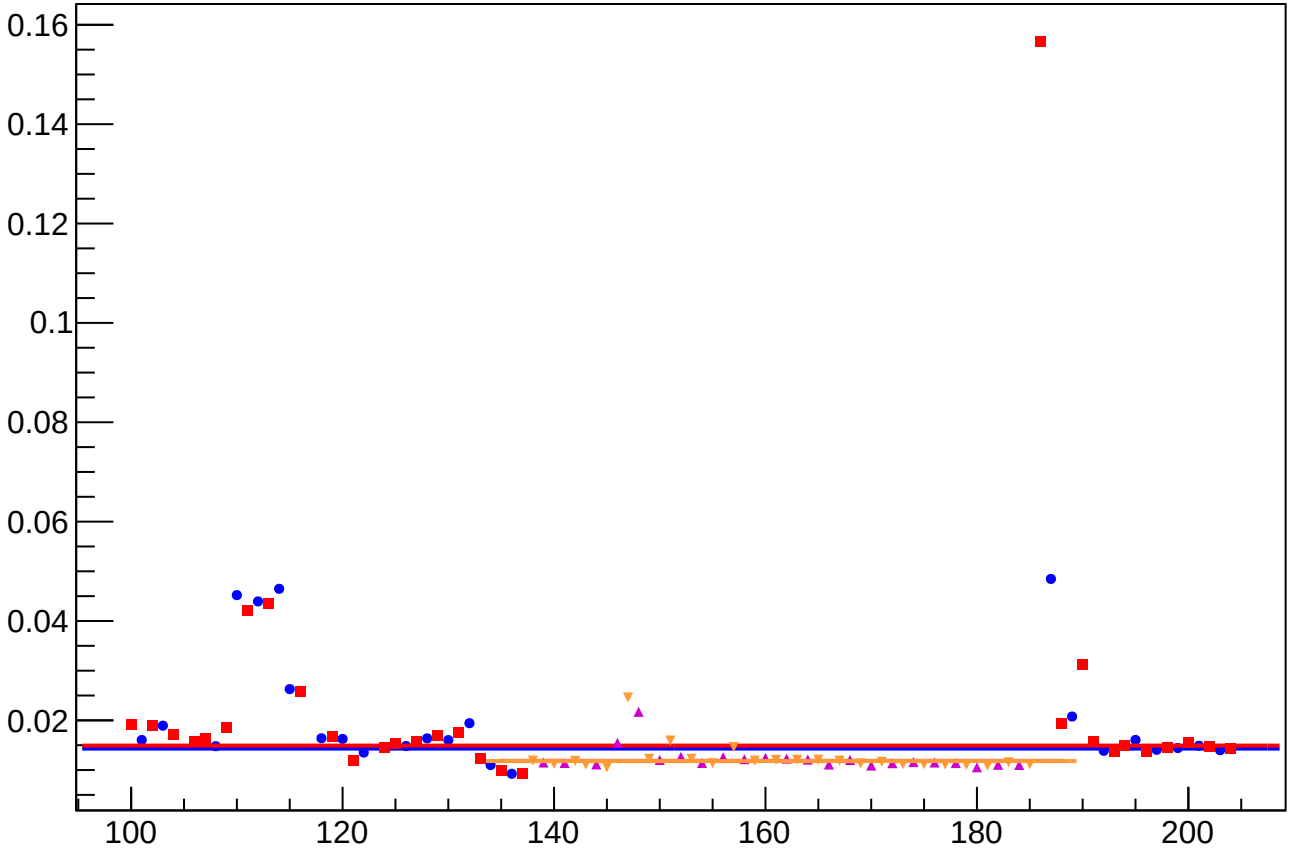
Right: 0.770+/-0.000 χ^2/NDF: 7790551596.3/53

In: 0.663+/-0.000 χ^2/NDF:5207362394.6/46

Out: 0.670+/-0.000 χ^2/NDF:5411142146.6/54

All: 0.667+/-0.000 χ^2/NDF: 10622477059.0/1

yield_bpm4acY_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 1947693.1/23

Left Out: 0.012+/-0.000 χ^2/NDF:673680.7/24

Right Out: 0.015+/-0.000 χ^2/NDF: 2389000.3/29

Left In: 0.012+/-0.000 χ^2/NDF:508762.0/22

Left: 0.012+/-0.000 χ^2/NDF: 1182628.0/47

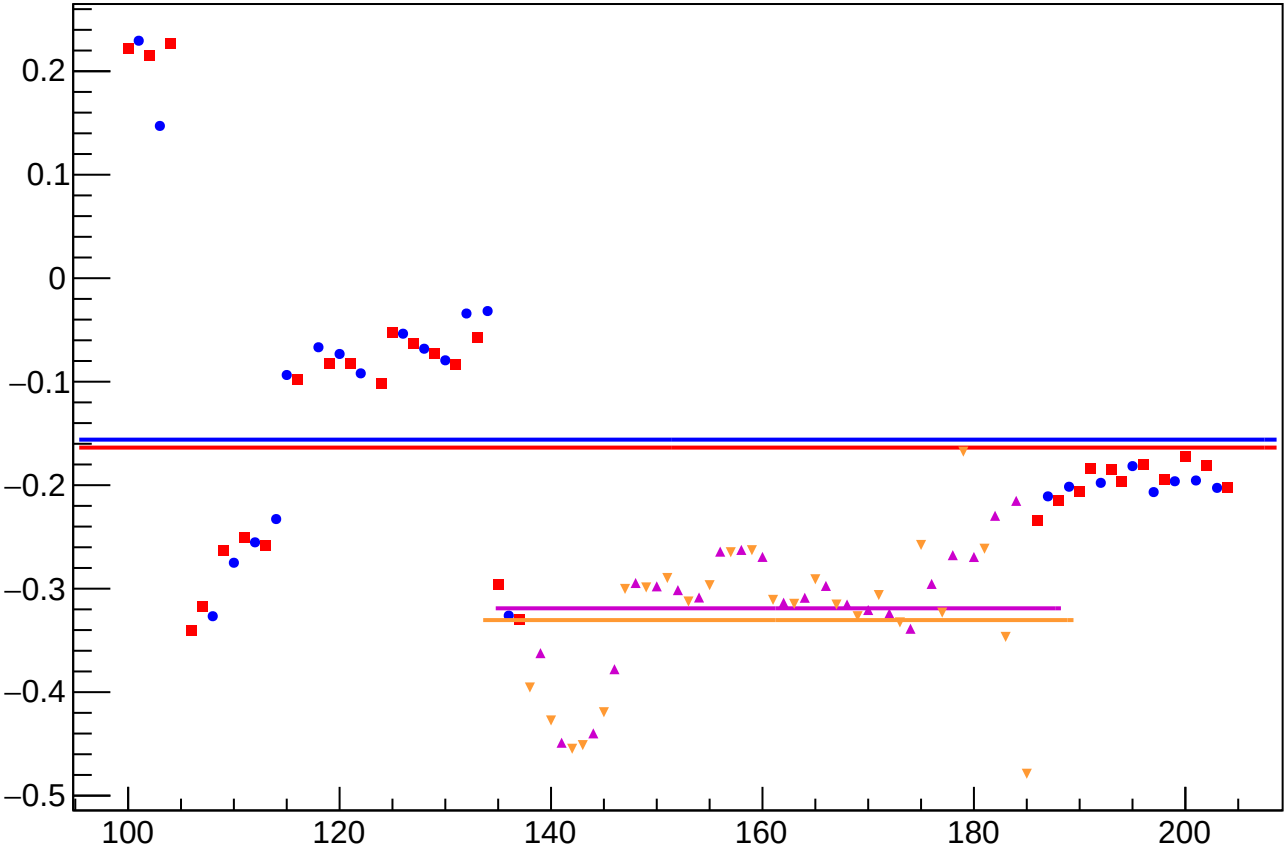
Right: 0.015+/-0.000 χ^2/NDF: 4357997.0/53

In: 0.013+/-0.000 χ^2/NDF:2927768.1/46

Out: 0.013+/-0.000 χ^2/NDF:3864761.1/54

All: 0.013+/-0.000 χ^2/NDF: 6797929.3/101

yield_bpm4ecX_mean vs Slug, Sign Corrected



Right In: -0.156+/-0.000 χ^2/NDF: 276780668.0/23

Left Out: -0.330+/-0.000 χ^2/NDF:182729419.2/24

Right Out: -0.164+/-0.000 χ^2/NDF: 198817859.2/29

Left In: -0.319+/-0.000 χ^2/NDF:130589173.8/22

Left: -0.325+/-0.000 χ^2/NDF: 316163358.3/47

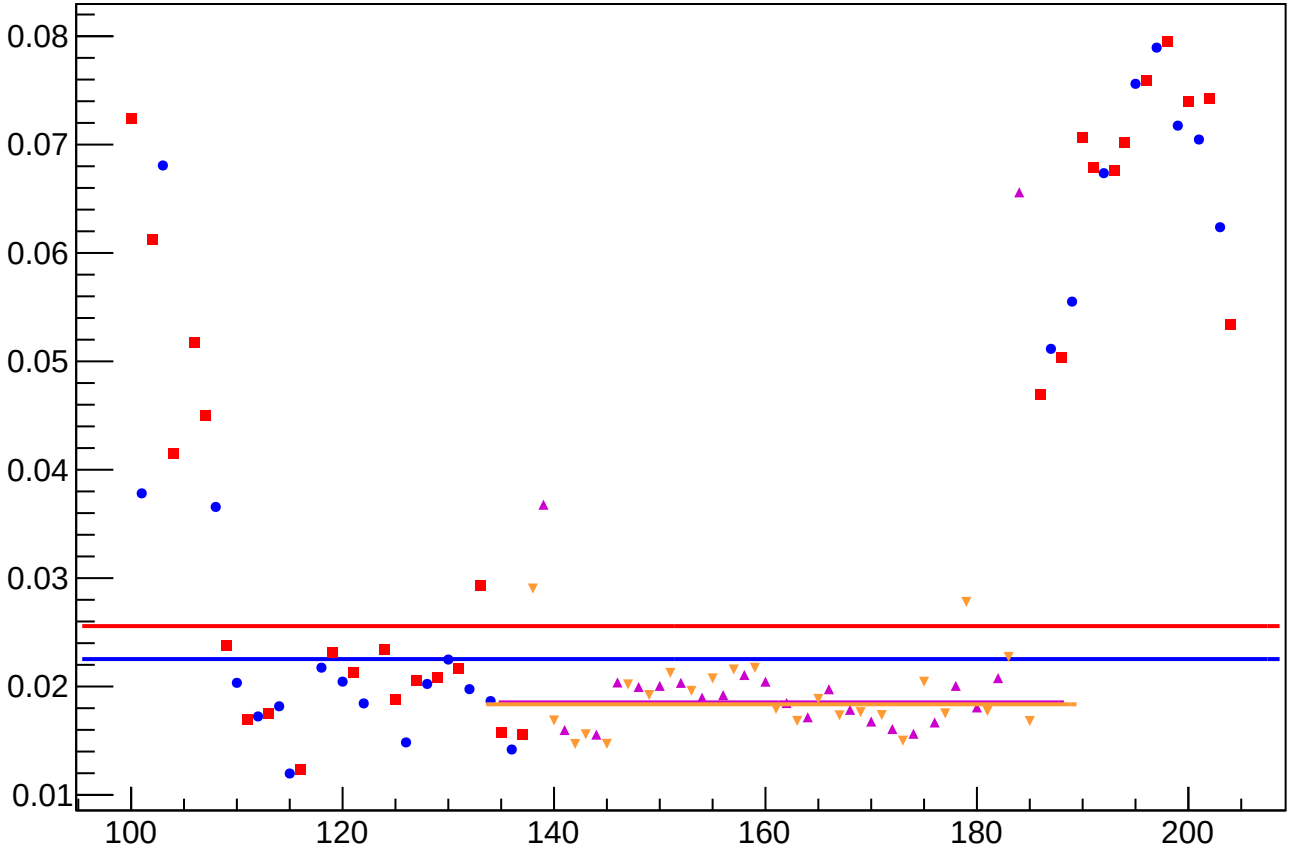
Right: -0.160+/-0.000 χ^2/NDF: 476062206.5/53

In: -0.274+/-0.000 χ^2/NDF:719513227.5/46

Out: -0.289+/-0.000 χ^2/NDF:697493885.4/54

All: -0.281+/-0.000 χ^2/NDF: 1423767369.2/1

yield_bpm4ecX_rms vs Slug, Sign Corrected



Right In: 0.023+/-0.000 χ^2/NDF: 6989728.7/23

Left Out: 0.018+/-0.000 χ^2/NDF:737503.8/24

Right Out: 0.026+/-0.000 χ^2/NDF: 8070810.8/29

Left In: 0.019+/-0.000 χ^2/NDF:933807.9/22

Left: 0.018+/-0.000 χ^2/NDF: 1672700.6/47

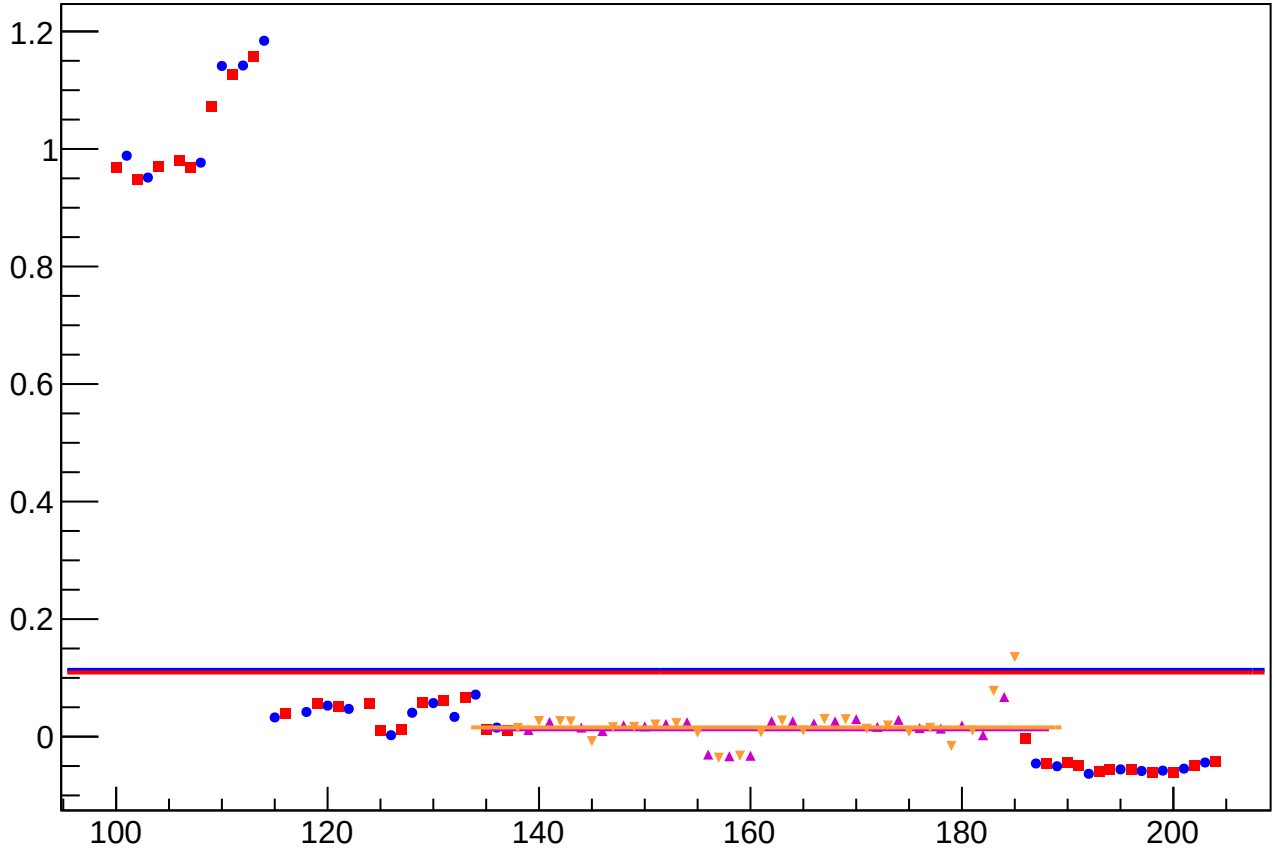
Right: 0.024+/-0.000 χ^2/NDF: 15205700.6/53

In: 0.020+/-0.000 χ^2/NDF:8298539.6/46

Out: 0.020+/-0.000 χ^2/NDF:9992325.3/54

All: 0.020+/-0.000 χ^2/NDF: 18306509.0/101

yield_bpm4ecY_mean vs Slug, Sign Corrected



Right In: 0.114+/-0.000 χ^2/NDF: 8120713804.8/23

Left Out: 0.016+/-0.000 χ^2/NDF:104485335.8/24

Right Out: 0.109+/-0.000 χ^2/NDF: 9007742423.3/29

Left In: 0.012+/-0.000 χ^2/NDF:58674739.1/22

Left: 0.014+/-0.000 χ^2/NDF: 163971847.3/47

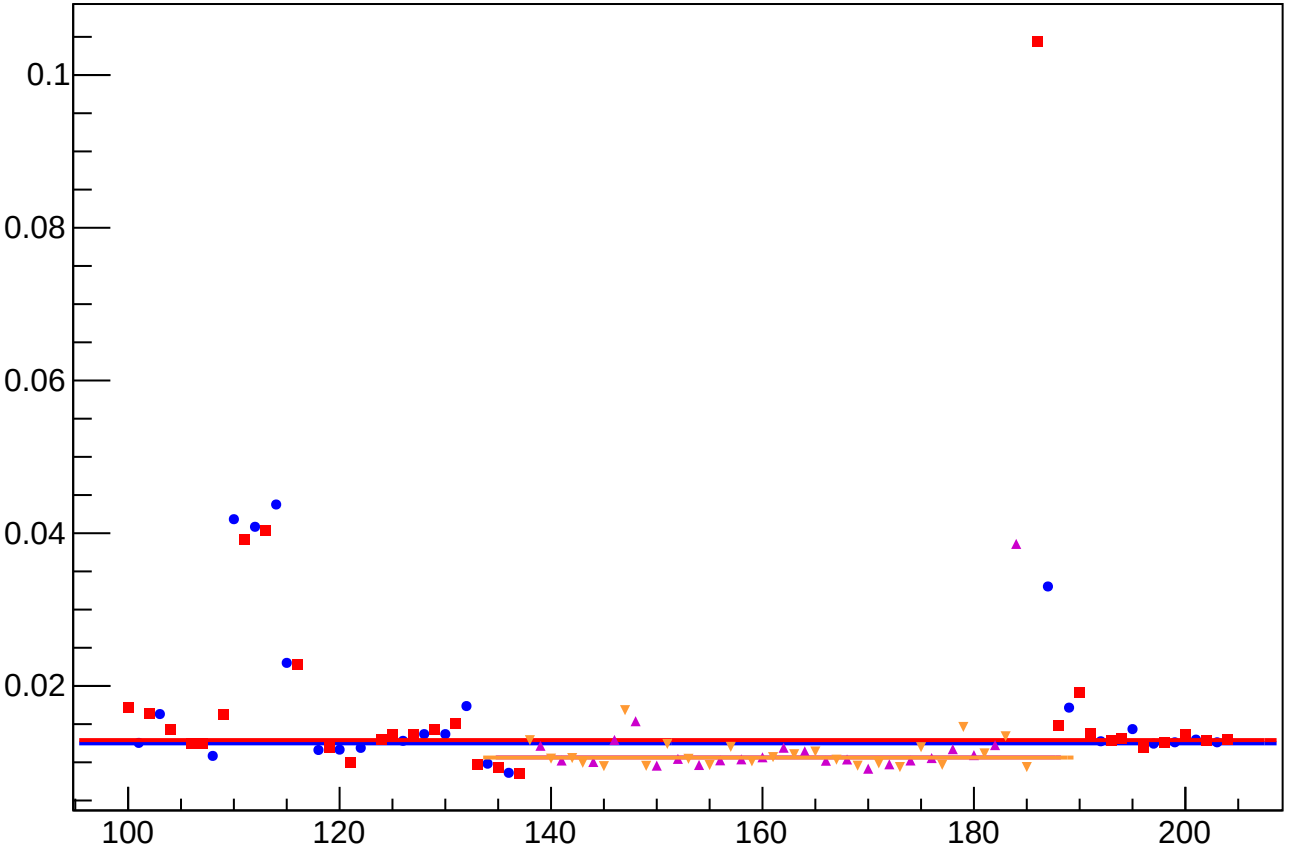
Right: 0.111+/-0.000 χ^2/NDF: 17129241225.0/53

In: 0.046+/-0.000 χ^2/NDF:8687216834.5/46

Out: 0.047+/-0.000 χ^2/NDF:9577577932.7/54

All: 0.047+/-0.000 χ^2/NDF: 18264993361.5/1

yield_bpm4ecY_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 1731423.4/23

Left Out: 0.011+/-0.000 χ^2/NDF:622208.3/24

Right Out: 0.013+/-0.000 χ^2/NDF: 2109616.5/29

Left In: 0.011+/-0.000 χ^2/NDF:571950.9/22

Left: 0.011+/-0.000 χ^2/NDF: 1194217.8/47

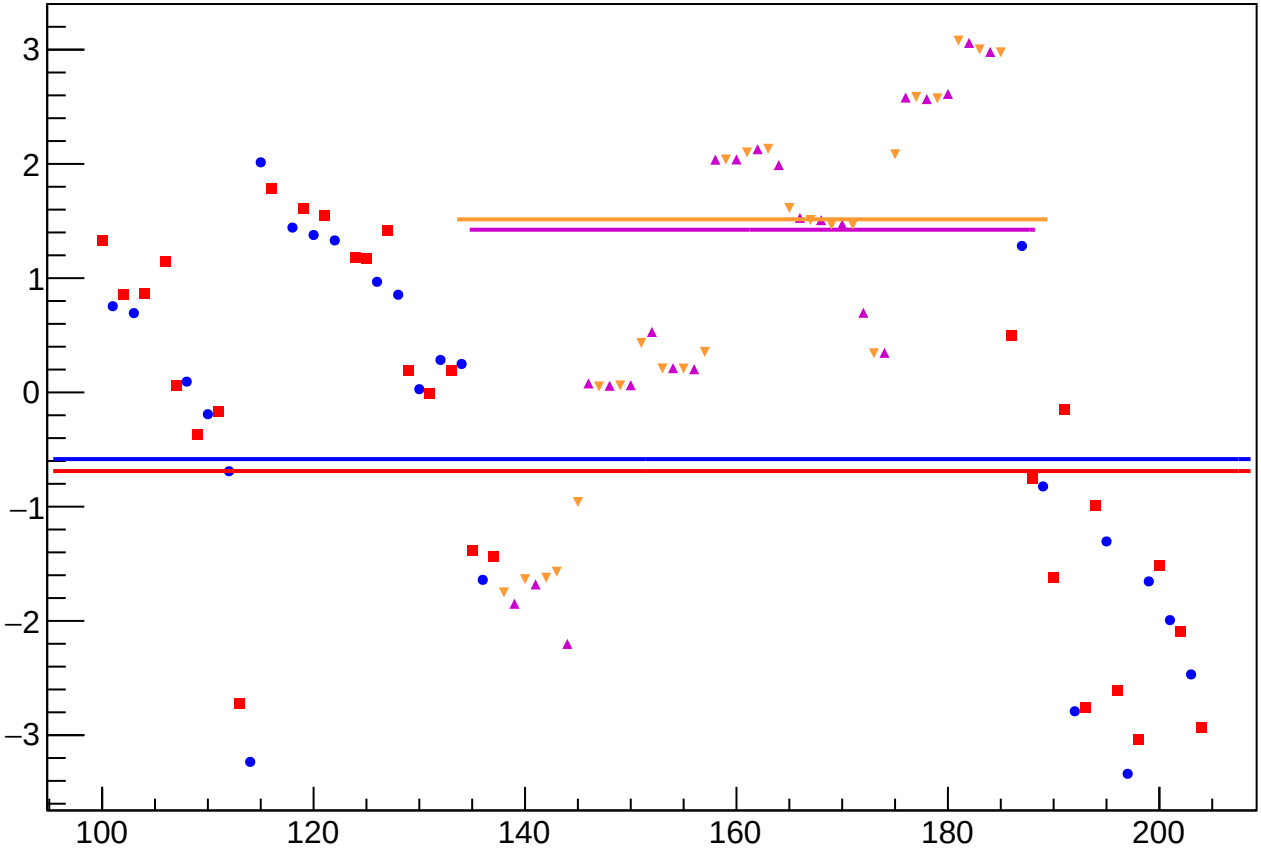
Right: 0.013+/-0.000 χ^2/NDF: 3855116.9/53

In: 0.011+/-0.000 χ^2/NDF:2639008.1/46

Out: 0.011+/-0.000 χ^2/NDF:3289083.7/54

All: 0.011+/-0.000 χ^2/NDF: 5932853.3/101

yield_bpm1X_mean vs Slug, Sign Corrected



Right In: -0.584+/-0.000 χ^2/NDF: 7207792005.0/23

Left Out: 1.515+/-0.000 χ^2/NDF:67789388512.2/24

Right Out: -0.688+/-0.000 χ^2/NDF: 8400191388.2/29

Left In: 1.424+/-0.000 χ^2/NDF:68046262594.0/22

Left: 1.469+/-0.000 χ^2/NDF: 136089936937.5/47

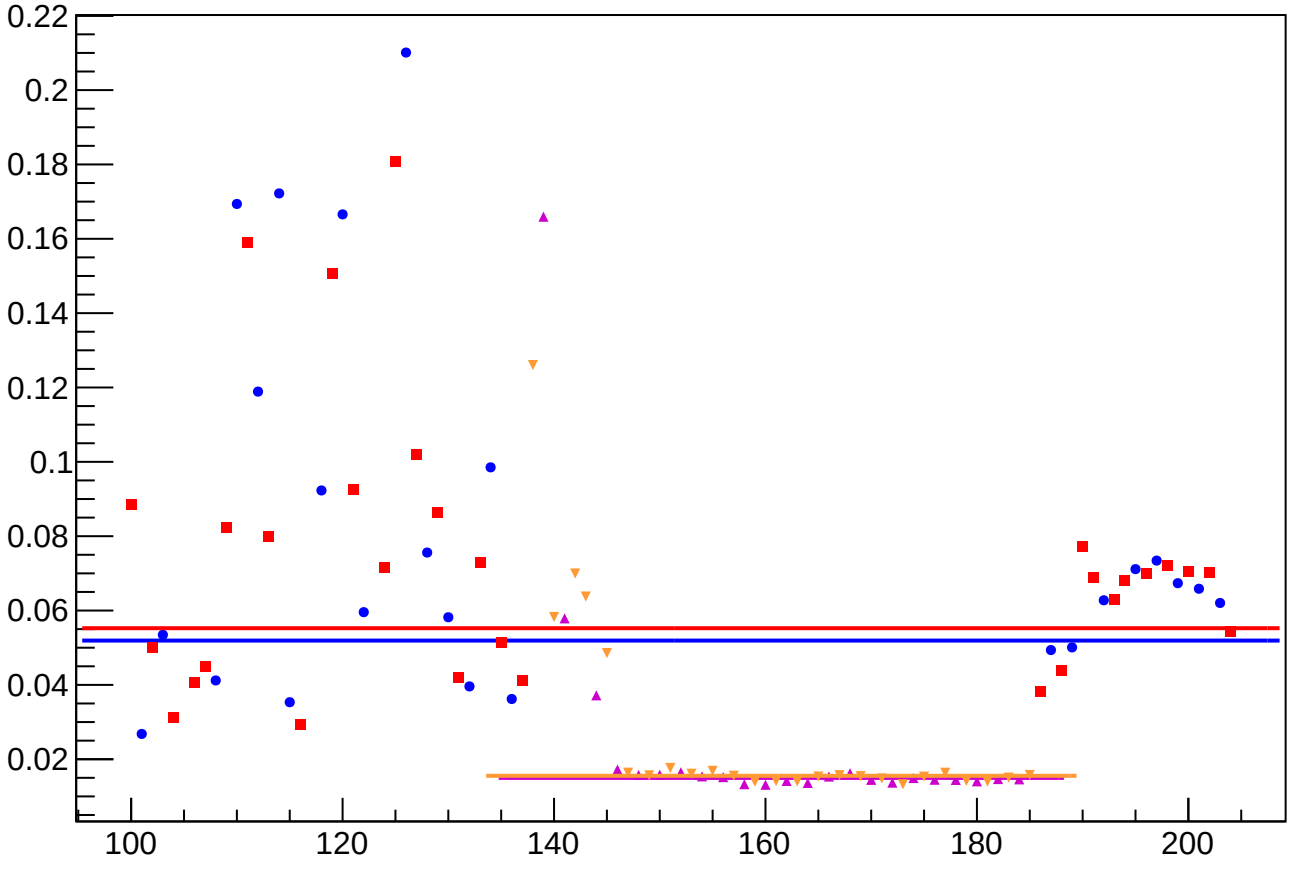
Right: -0.639+/-0.000 χ^2/NDF: 15627463487.1/53

In: 1.321+/-0.000 χ^2/NDF:88056967448.1/46

Out: 1.386+/-0.000 χ^2/NDF:93397572733.6/54

All: 1.354+/-0.000 χ^2/NDF: 181591283489.1

yield_bpm1X_rms vs Slug, Sign Corrected



Right In: 0.052+/-0.000 χ^2/NDF: 3550755.3/23

Left Out: 0.016+/-0.000 χ^2/NDF:2984313.0/24

Right Out: 0.055+/-0.000 χ^2/NDF: 3141374.5/29

Left In: 0.015+/-0.000 χ^2/NDF:2182916.7/22

Left: 0.015+/-0.000 χ^2/NDF: 5187209.1/47

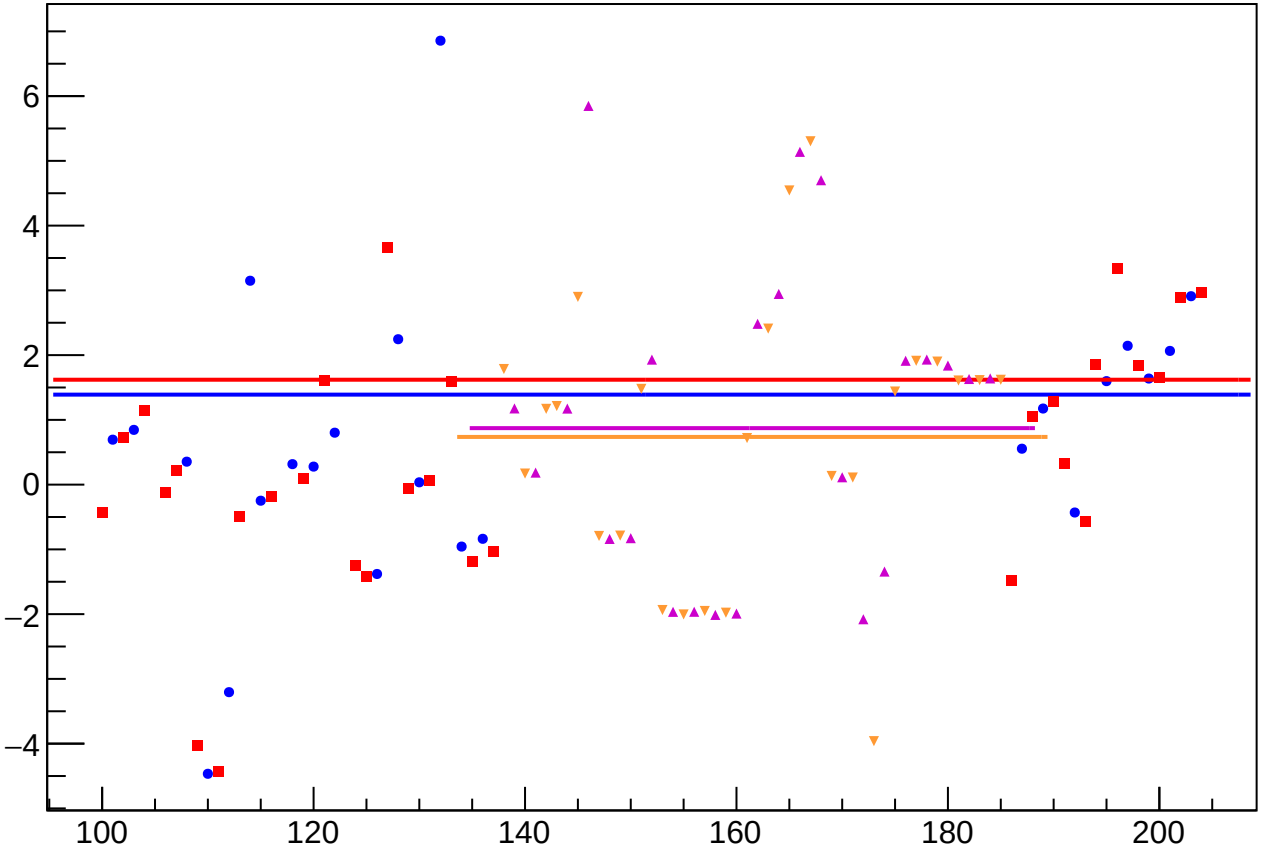
Right: 0.054+/-0.000 χ^2/NDF: 6731365.0/53

In: 0.017+/-0.000 χ^2/NDF:14404863.6/46

Out: 0.018+/-0.000 χ^2/NDF:17297794.2/54

All: 0.017+/-0.000 χ^2/NDF: 31767836.9/101

yield_bpm1Y_mean vs Slug, Sign Corrected



Right In: 1.390+/-0.000 χ^2/NDF: 27940677060.4/23

Left Out: 0.737+/-0.000 χ^2/NDF:535962480112.3/24

Right Out: 1.620+/-0.000 χ^2/NDF: 35819622376.1/29

Left In: 0.872+/-0.000 χ^2/NDF:620161319368.2/22

Left: 0.804+/-0.000 χ^2/NDF: 1157039374771.8/47

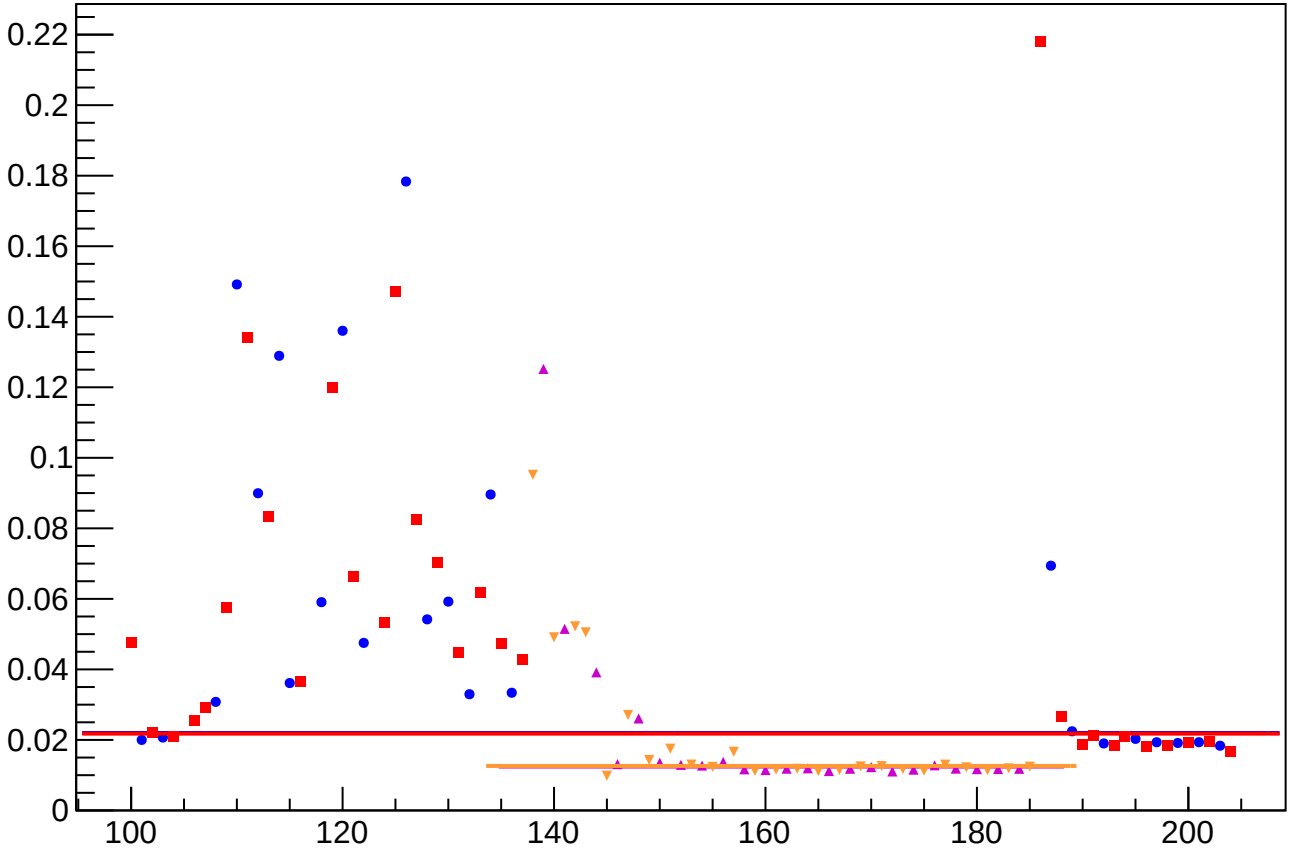
Right: 1.517+/-0.000 χ^2/NDF: 64267285015.0/53

In: 0.950+/-0.000 χ^2/NDF:652063072199.8/46

Out: 0.893+/-0.000 χ^2/NDF:585455253714.7/54

All: 0.921+/-0.000 χ^2/NDF: 1237712223657.

yield_bpm1Y_rms vs Slug, Sign Corrected



Right In: 0.022+/-0.000 χ^2/NDF: 4025091.4/23

Left Out: 0.013+/-0.000 χ^2/NDF:3191407.4/24

Right Out: 0.022+/-0.000 χ^2/NDF: 5223186.1/29

Left In: 0.012+/-0.000 χ^2/NDF:2756702.2/22

Left: 0.013+/-0.000 χ^2/NDF: 5950839.9/47

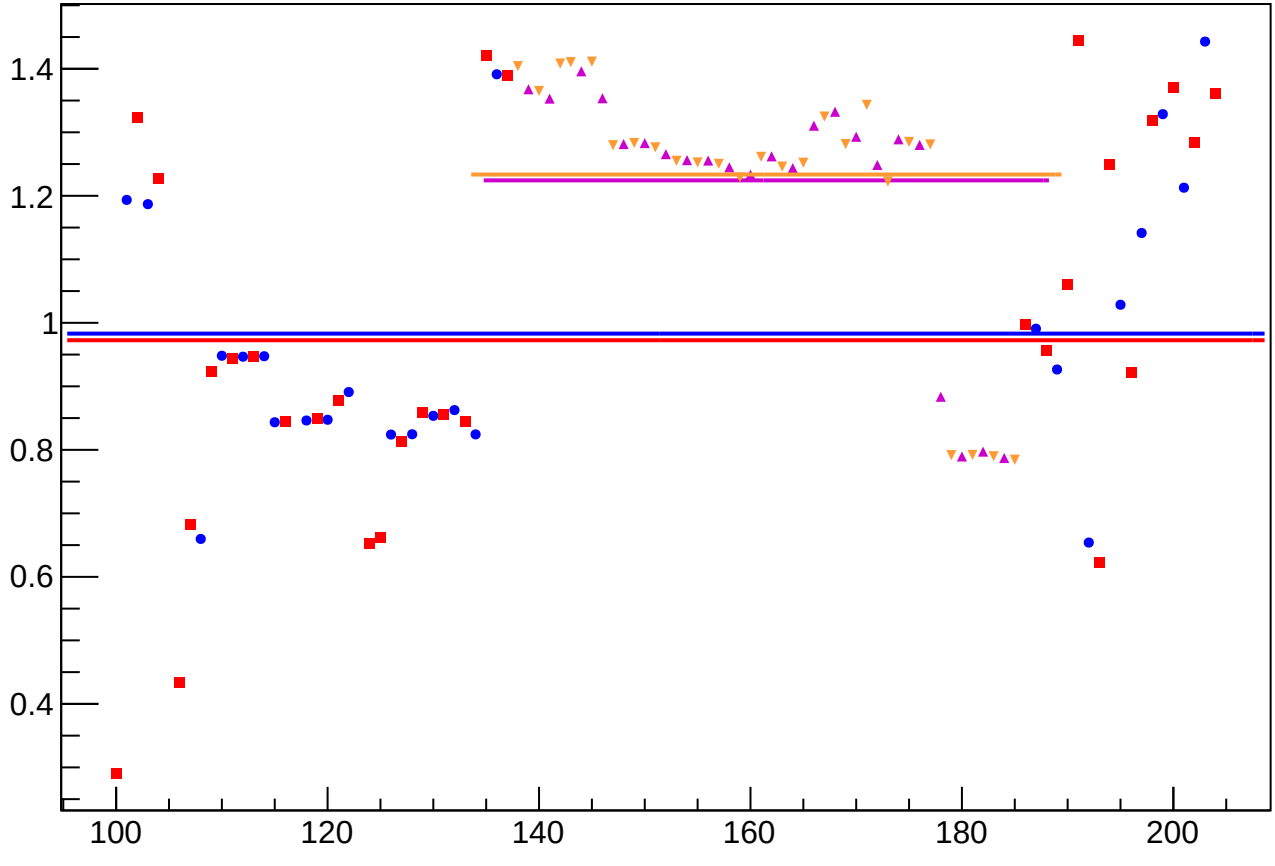
Right: 0.022+/-0.000 χ^2/NDF: 9248903.8/53

In: 0.014+/-0.000 χ^2/NDF:9458044.0/46

Out: 0.014+/-0.000 χ^2/NDF:11356300.8/54

All: 0.014+/-0.000 χ^2/NDF: 20829971.1/101

yield_bpm11X_mean vs Slug, Sign Corrected



Right In: 0.983+/-0.000 χ^2/NDF: 1848504615.2/23

Left Out: 1.234+/-0.000 χ^2/NDF:3043934887.1/24

Right Out: 0.973+/-0.000 χ^2/NDF: 2269802028.2/29

Left In: 1.224+/-0.000 χ^2/NDF:2653773297.1/22

Left: 1.229+/-0.000 χ^2/NDF: 5701436778.1/47

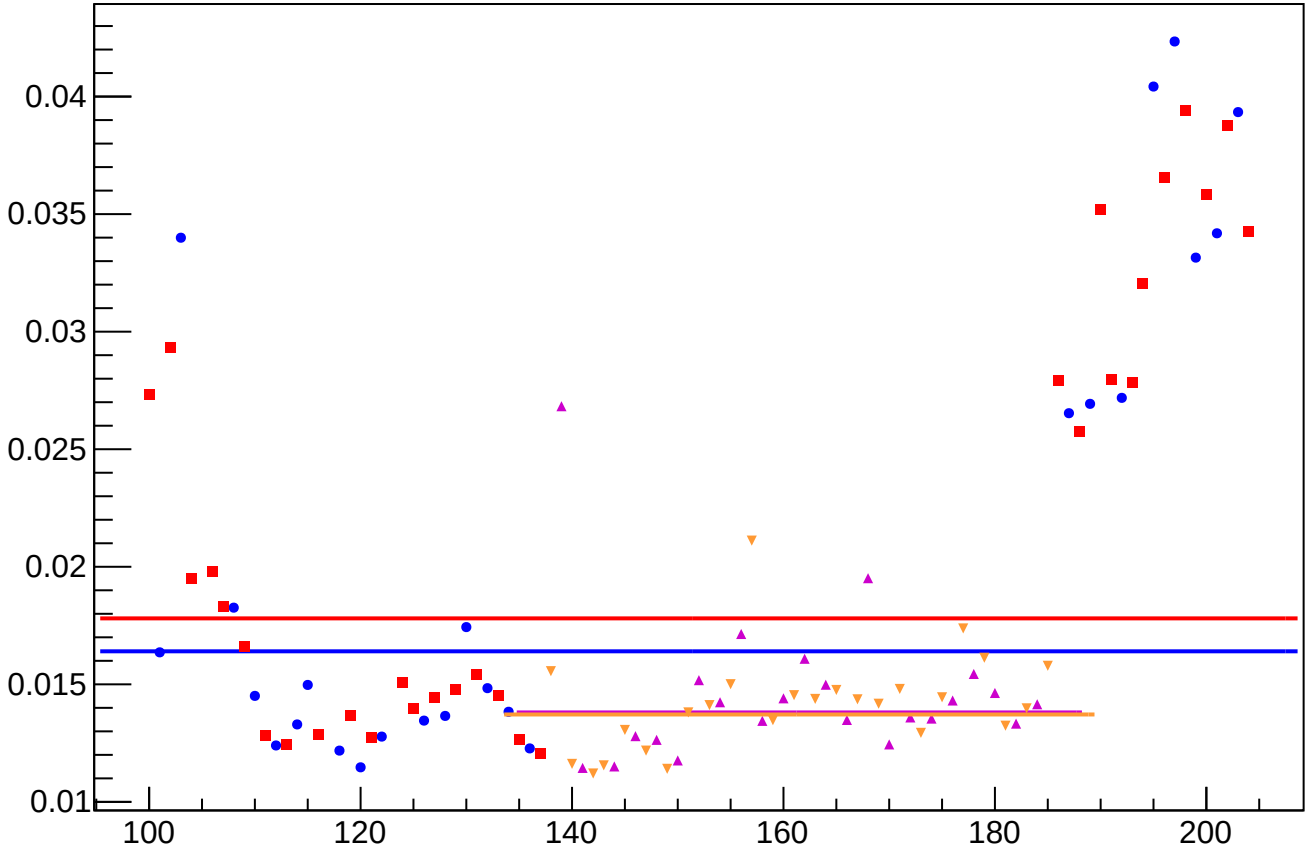
Right: 0.978+/-0.000 χ^2/NDF: 4120349500.7/53

In: 1.151+/-0.000 χ^2/NDF:6016263353.7/46

Out: 1.157+/-0.000 χ^2/NDF:7125041795.6/54

All: 1.154+/-0.000 χ^2/NDF: 13143451630.0/1

yield_bpm11X_rms vs Slug, Sign Corrected



Right In: 0.016+/-0.000 χ^2/NDF: 4027182.7/23

Left Out: 0.014+/-0.000 χ^2/NDF:550789.3/24

Right Out: 0.018+/-0.000 χ^2/NDF: 4375826.4/29

Left In: 0.014+/-0.000 χ^2/NDF:870104.2/22

Left: 0.014+/-0.000 χ^2/NDF: 1421553.5/47

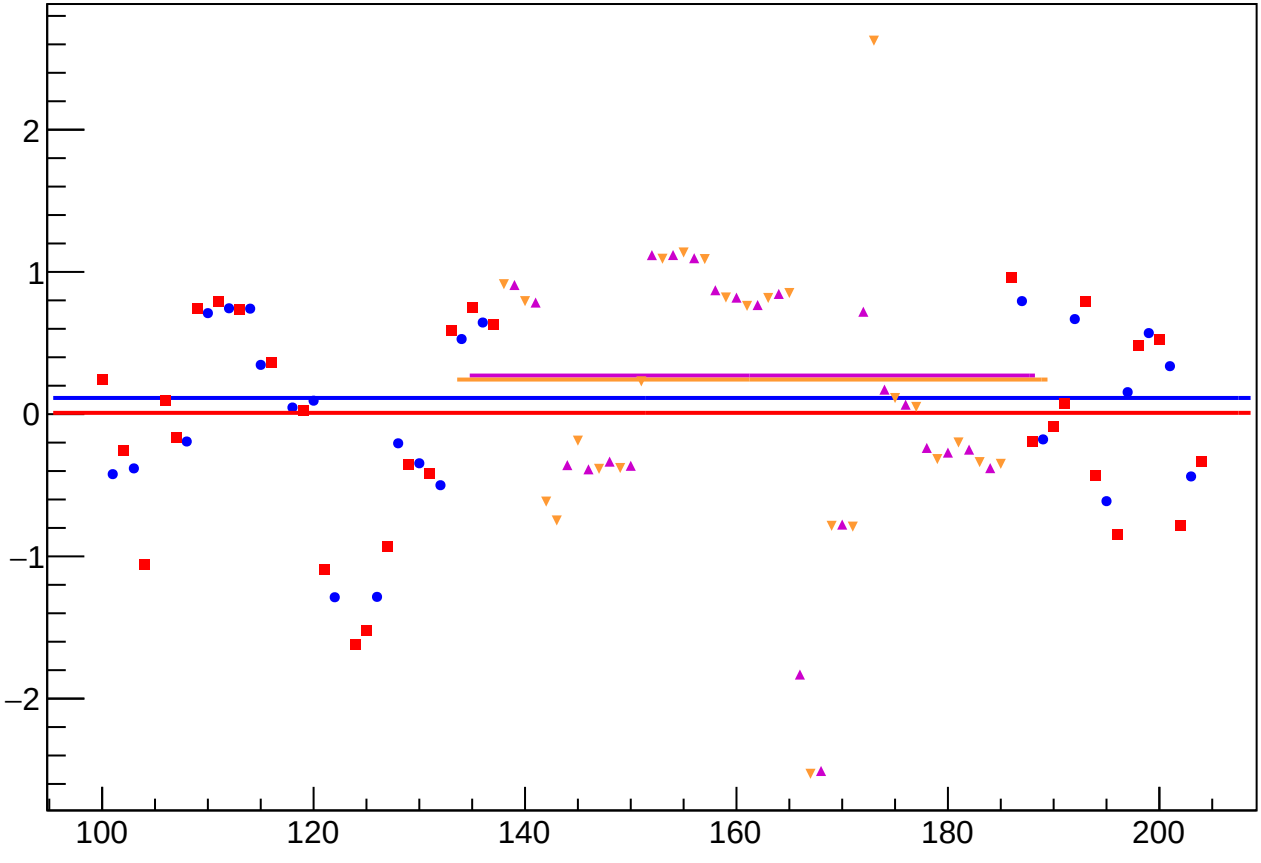
Right: 0.017+/-0.000 χ^2/NDF: 8476736.0/53

In: 0.015+/-0.000 χ^2/NDF:5248854.5/46

Out: 0.015+/-0.000 χ^2/NDF:5815470.0/54

All: 0.015+/-0.000 χ^2/NDF: 11077628.2/101

yield_bpm11Y_mean vs Slug, Sign Corrected



Right In: 0.114+/-0.000 χ^2/NDF: 20443922315.7/23

Left Out: 0.243+/-0.000 χ^2/NDF:105591710525.9/24

Right Out: 0.009+/-0.000 χ^2/NDF: 34063518107.2/29

Left In: 0.271+/-0.000 χ^2/NDF:90500933388.6/22

Left: 0.257+/-0.000 χ^2/NDF: 196139241247.8/47

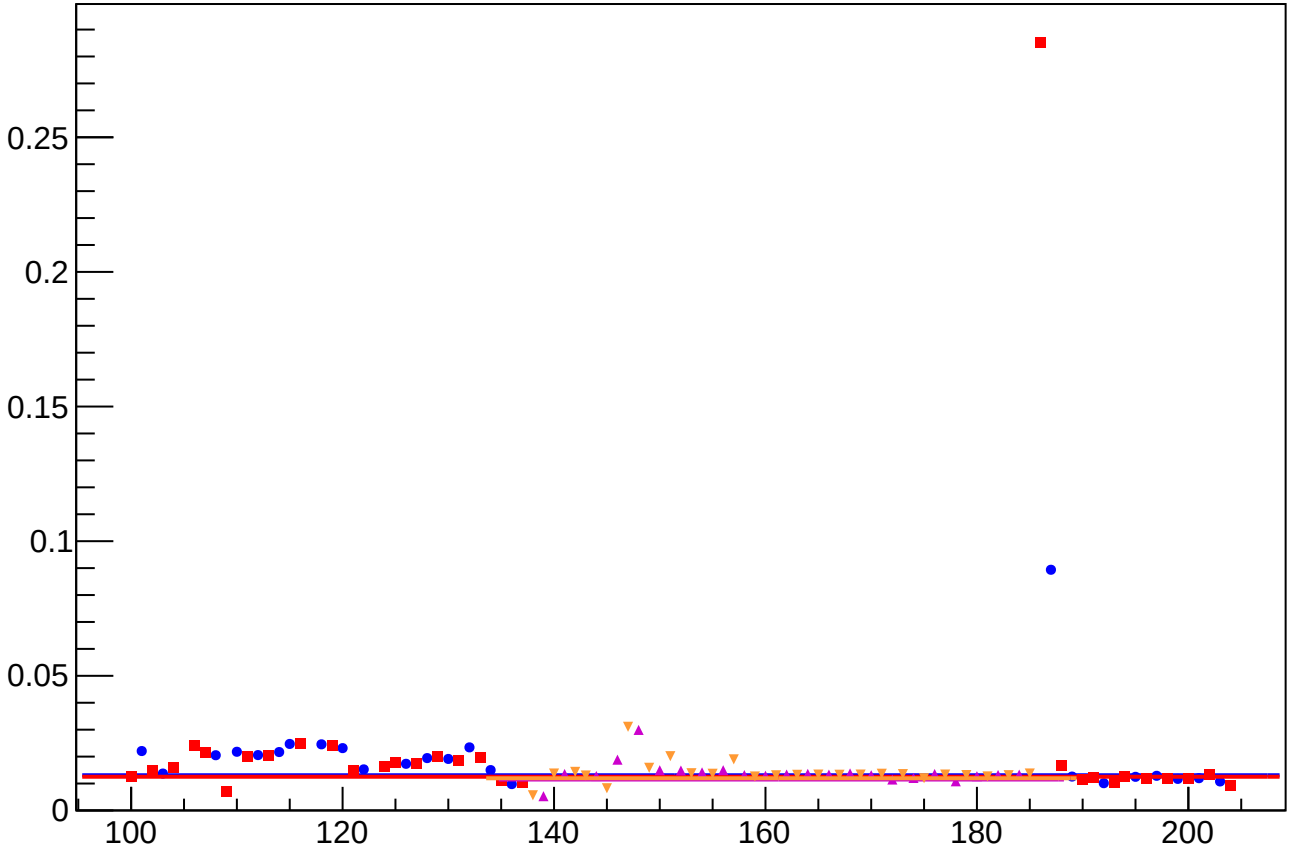
Right: 0.056+/-0.000 χ^2/NDF: 54895951566.5/53

In: 0.216+/-0.000 χ^2/NDF:111972766603.4/46

Out: 0.149+/-0.000 χ^2/NDF:142252674795.0/54

All: 0.181+/-0.000 χ^2/NDF: 254650301172.6

yield_bpm11Y_rms vs Slug, Sign Corrected



Right In: 0.013+/-0.000 χ^2/NDF: 2107045.6/23

Left Out: 0.012+/-0.000 χ^2/NDF:3266034.8/24

Right Out: 0.013+/-0.000 χ^2/NDF: 2862027.4/29

Left In: 0.011+/-0.000 χ^2/NDF:3671096.5/22

Left: 0.012+/-0.000 χ^2/NDF: 6962181.1/47

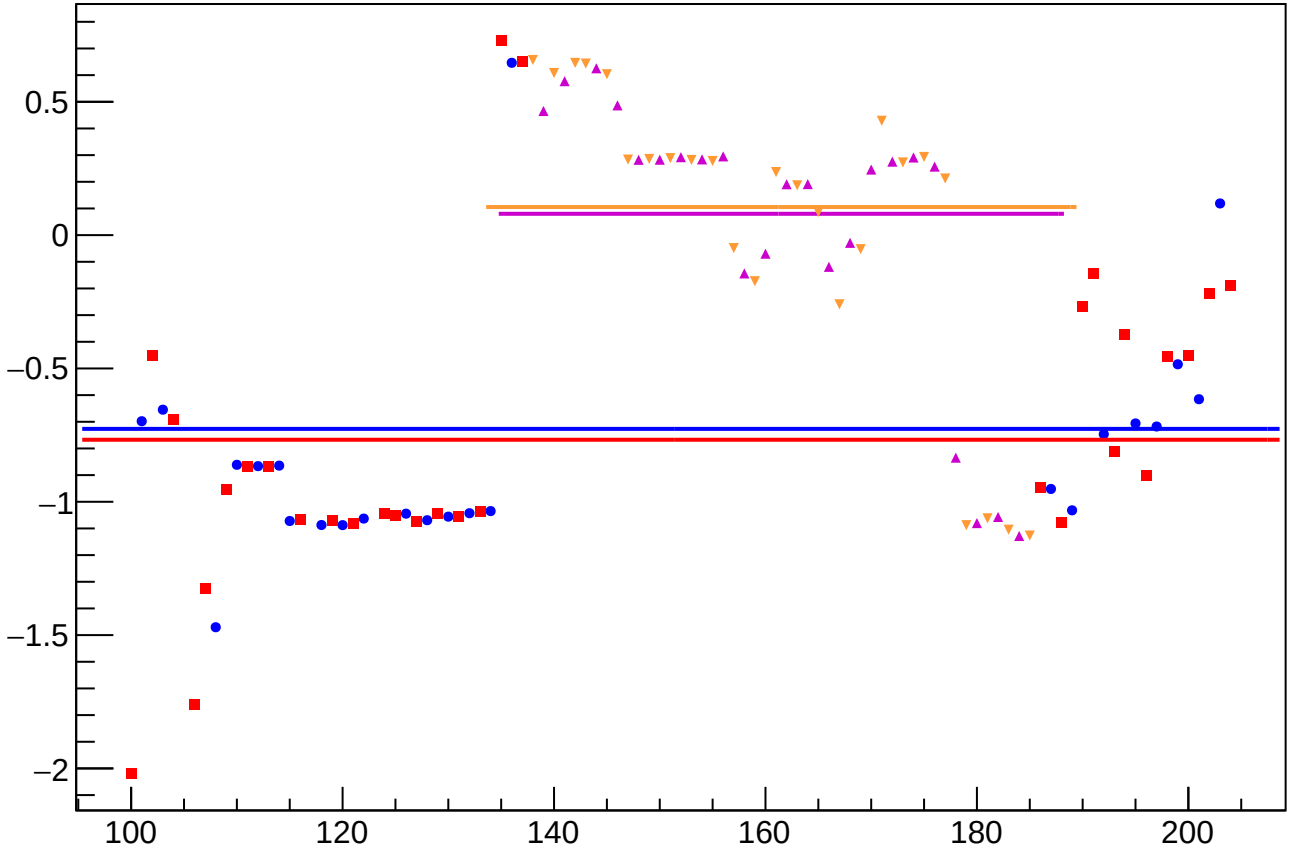
Right: 0.013+/-0.000 χ^2/NDF: 4990688.5/53

In: 0.012+/-0.000 χ^2/NDF:5986964.9/46

Out: 0.012+/-0.000 χ^2/NDF:6159225.1/54

All: 0.012+/-0.000 χ^2/NDF: 12149594.0/101

yield_bpm12X_mean vs Slug, Sign Corrected



Right In: -0.727+/-0.000 χ^2/NDF: 2162116014.8/23

Left Out: 0.105+/-0.000 χ^2/NDF:3787188881.7/24

Right Out: -0.767+/-0.000 χ^2/NDF: 2069092521.3/29

Left In: 0.080+/-0.000 χ^2/NDF:3269598614.0/22

Left: 0.093+/-0.000 χ^2/NDF: 7060999344.9/47

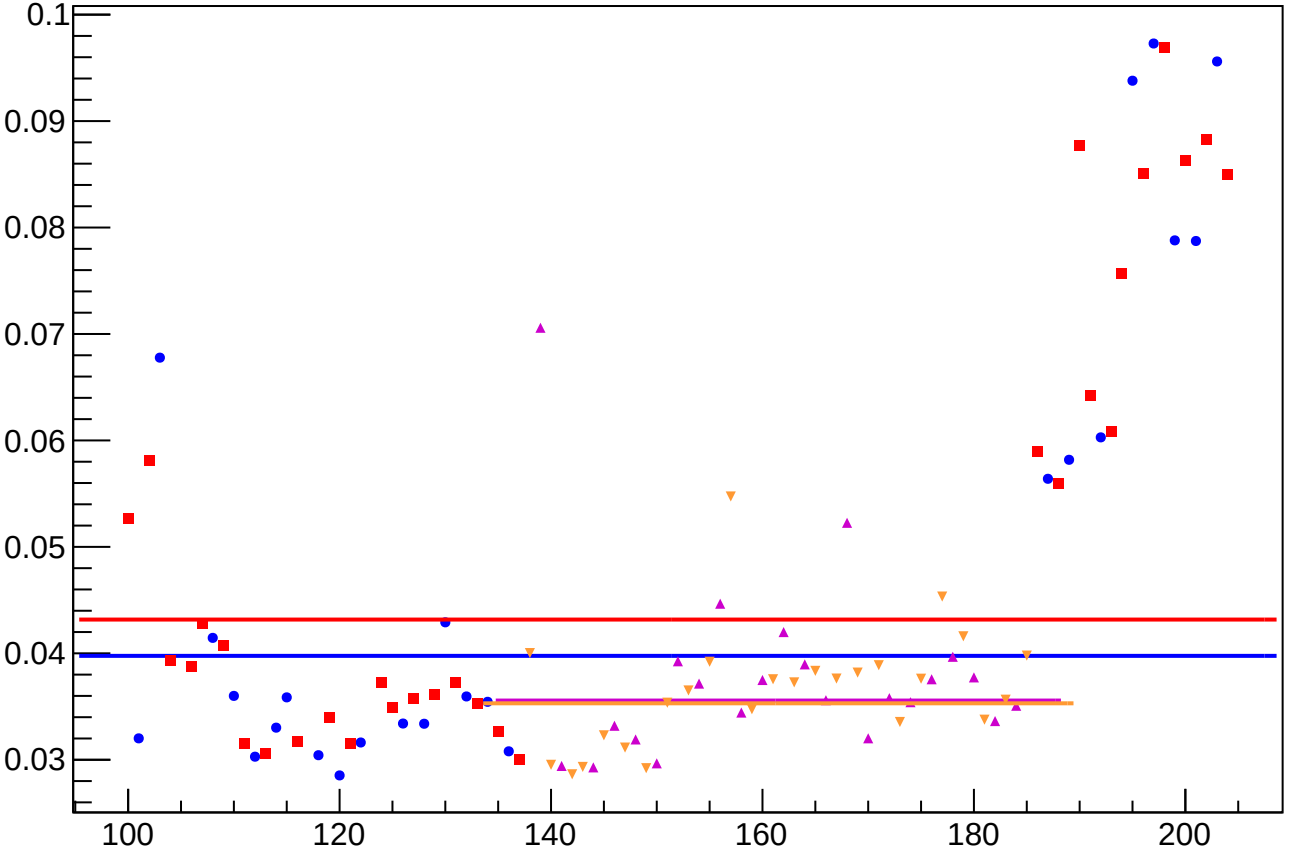
Right: -0.747+/-0.000 χ^2/NDF: 4236653837.8/53

In: -0.194+/-0.000 χ^2/NDF:8242111188.0/46

Out: -0.180+/-0.000 χ^2/NDF:9215650478.3/54

All: -0.187+/-0.000 χ^2/NDF: 17459678966.5/

yield_bpm12X_rms vs Slug, Sign Corrected



Right In: 0.040+/-0.000 χ^2/NDF: 3600944.1/23

Left Out: 0.035+/-0.000 χ^2/NDF:612627.1/24

Right Out: 0.043+/-0.000 χ^2/NDF: 3842419.4/29

Left In: 0.036+/-0.000 χ^2/NDF:960383.5/22

Left: 0.035+/-0.000 χ^2/NDF: 1573892.0/47

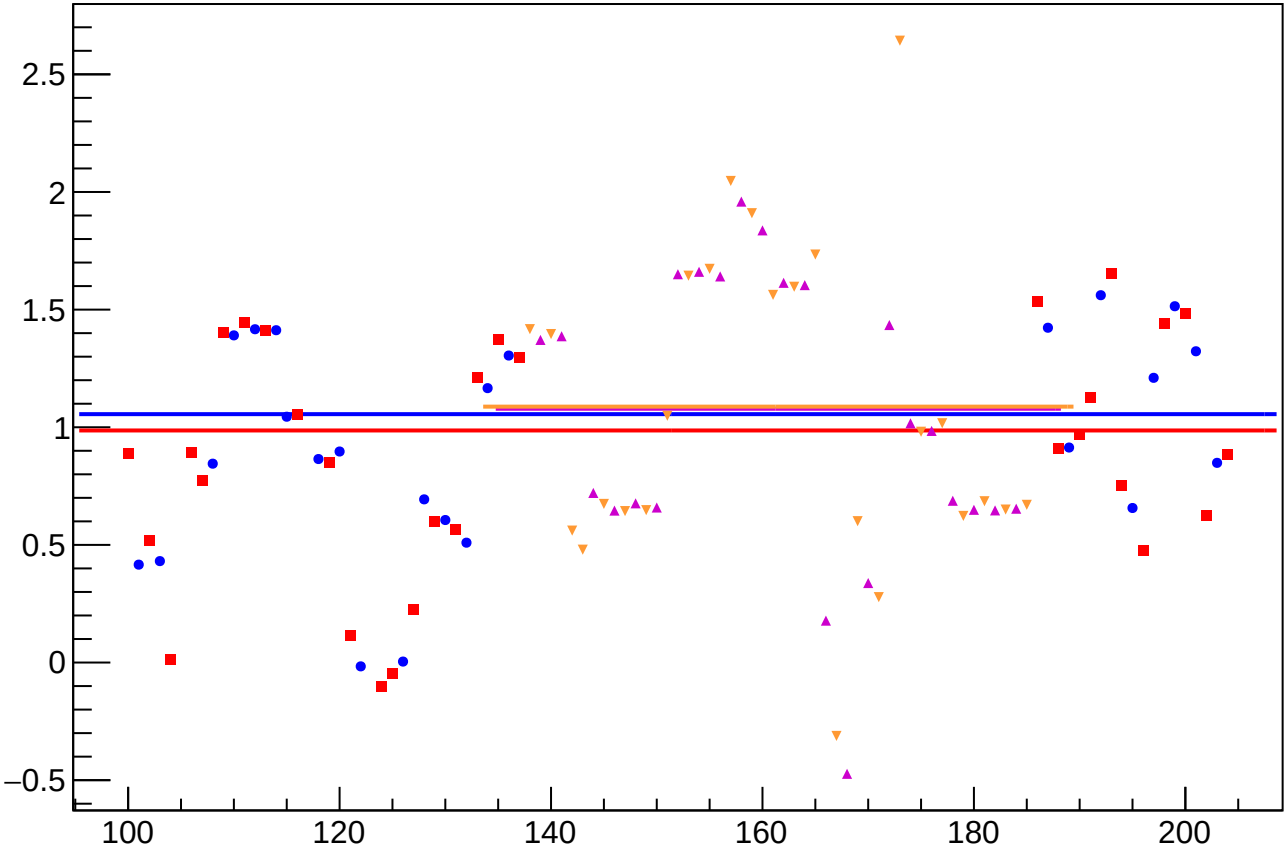
Right: 0.041+/-0.000 χ^2/NDF: 7519487.0/53

In: 0.037+/-0.000 χ^2/NDF:4713657.4/46

Out: 0.038+/-0.000 χ^2/NDF:5001176.4/54

All: 0.037+/-0.000 χ^2/NDF: 9730282.0/101

yield_bpm12Y_mean vs Slug, Sign Corrected



Right In: 1.056+/-0.000 χ^2/NDF: 25264565130.6/23

Left Out: 1.088+/-0.000 χ^2/NDF:93851056436.3/24

Right Out: 0.986+/-0.000 χ^2/NDF: 34946887366.8/29

Left In: 1.079+/-0.000 χ^2/NDF:74081002727.0/22

Left: 1.083+/-0.000 χ^2/NDF: 167940854654.3/47

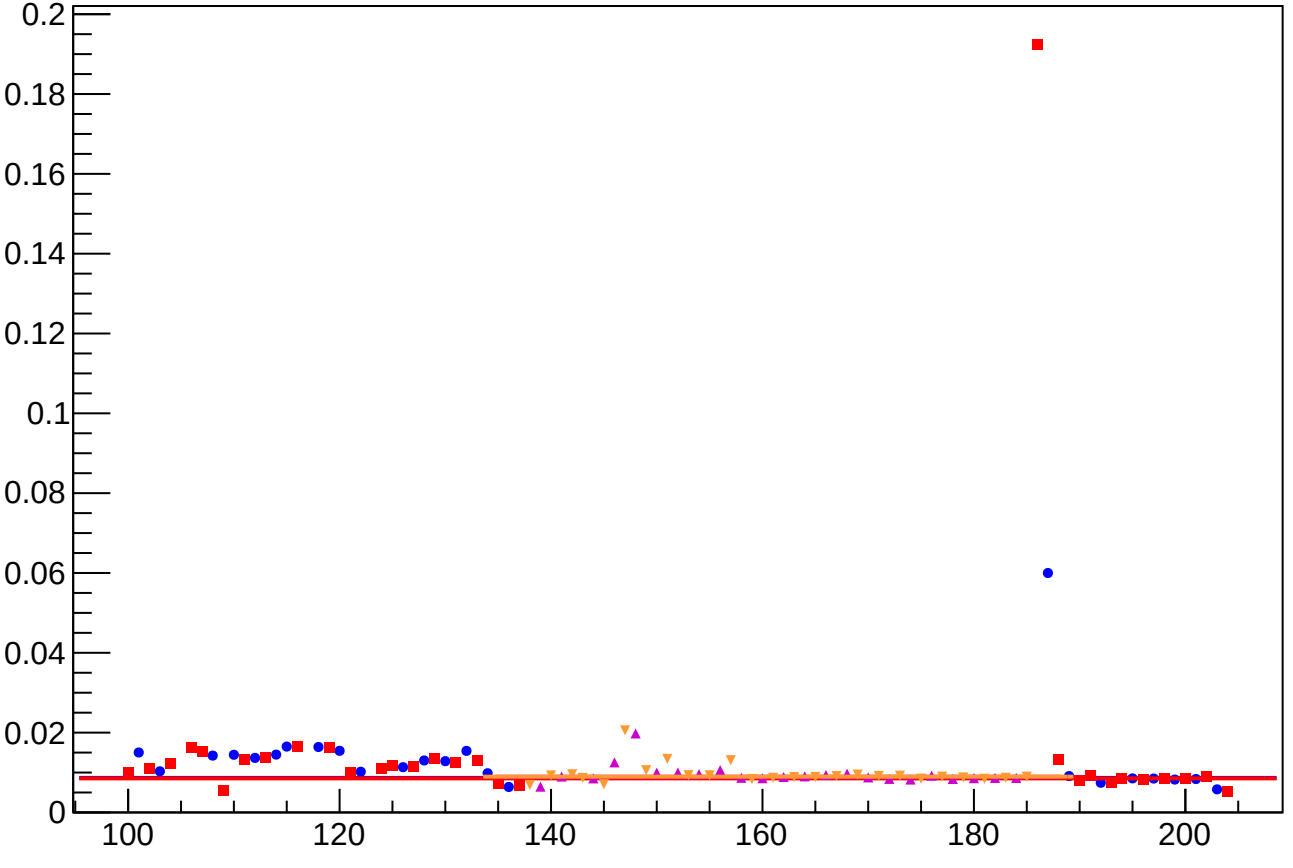
Right: 1.018+/-0.000 χ^2/NDF: 60592278901.8/53

In: 1.069+/-0.000 χ^2/NDF:99391298908.2/46

Out: 1.044+/-0.000 χ^2/NDF:129797000728.8/54

All: 1.056+/-0.000 χ^2/NDF: 229311506196.3

yield_bpm12Y_rms vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 2371795.0/23

Left Out: 0.009+/-0.000 χ^2/NDF:1146497.6/24

Right Out: 0.009+/-0.000 χ^2/NDF: 3156268.0/29

Left In: 0.009+/-0.000 χ^2/NDF:966765.2/22

Left: 0.009+/-0.000 χ^2/NDF: 2113402.8/47

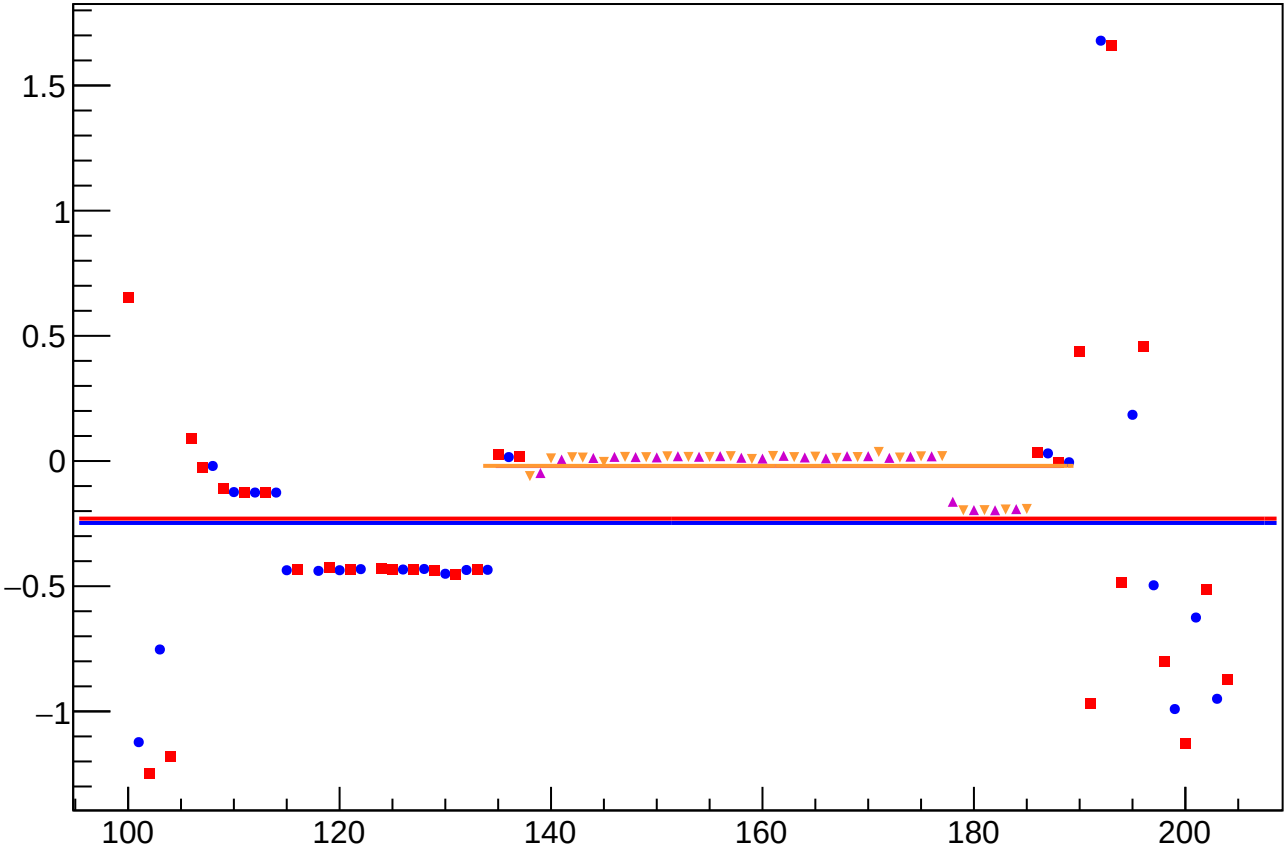
Right: 0.009+/-0.000 χ^2/NDF: 5530149.2/53

In: 0.009+/-0.000 χ^2/NDF:3353792.8/46

Out: 0.009+/-0.000 χ^2/NDF:4339865.7/54

All: 0.009+/-0.000 χ^2/NDF: 7694349.1/101

yield_bpm16X_mean vs Slug, Sign Corrected



Right In: -0.247+/-0.000 χ^2/NDF: 3297349533.0/23

Left Out: -0.019+/-0.000 χ^2/NDF:1058597672.8/24

Right Out: -0.230+/-0.000 χ^2/NDF: 3051486290.1/29

Left In: -0.020+/-0.000 χ^2/NDF:984483299.5/22

Left: -0.020+/-0.000 χ^2/NDF: 2043130063.5/47

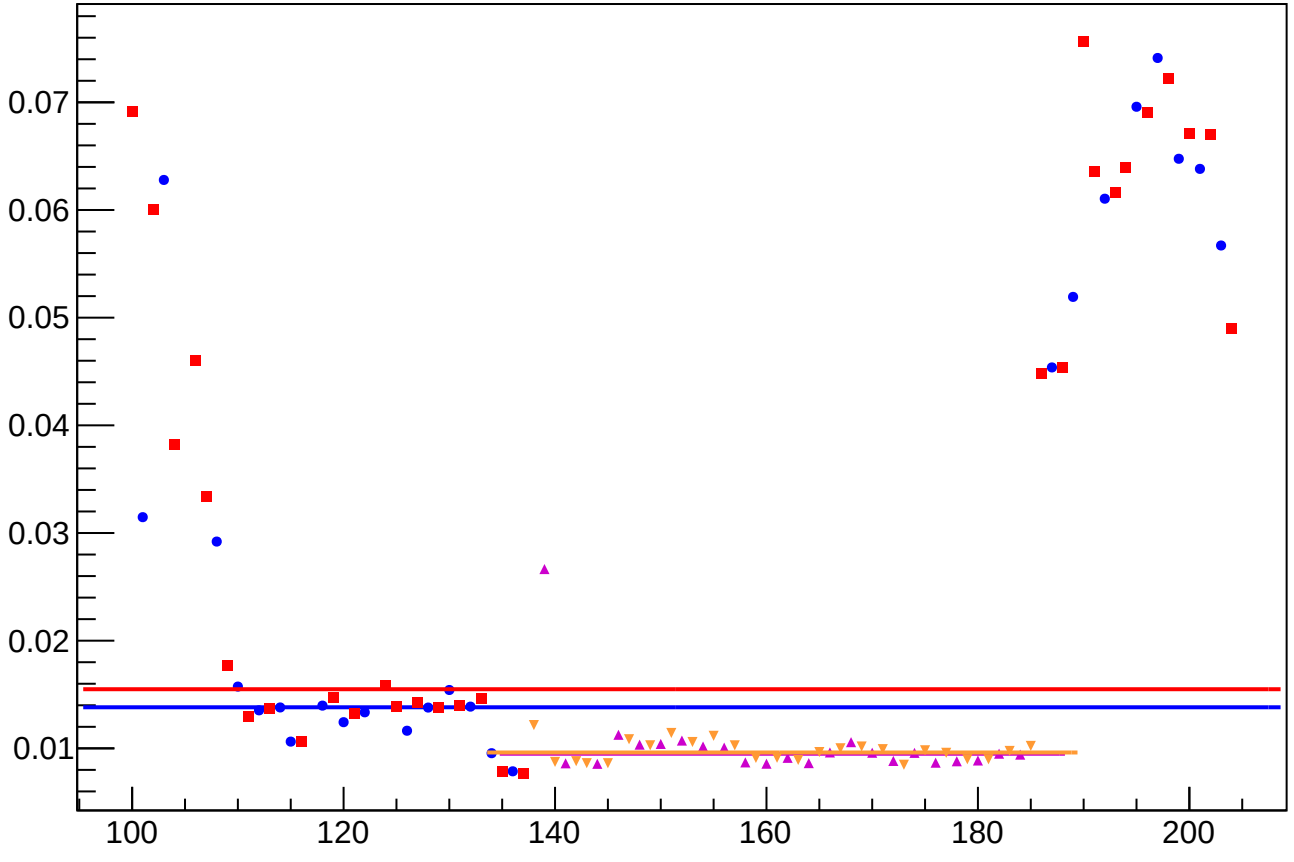
Right: -0.239+/-0.000 χ^2/NDF: 6354209210.6/53

In: -0.061+/-0.000 χ^2/NDF:5849597618.0/46

Out: -0.053+/-0.000 χ^2/NDF:5374556624.2/54

All: -0.057+/-0.000 χ^2/NDF: 11230463244.7/

yield_bpm16X_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 9088447.9/23

Left Out: 0.010+/-0.000 χ^2/NDF:271912.7/24

Right Out: 0.015+/-0.000 χ^2/NDF: 11136439.6/29

Left In: 0.009+/-0.000 χ^2/NDF:900469.0/22

Left: 0.010+/-0.000 χ^2/NDF: 1174797.3/47

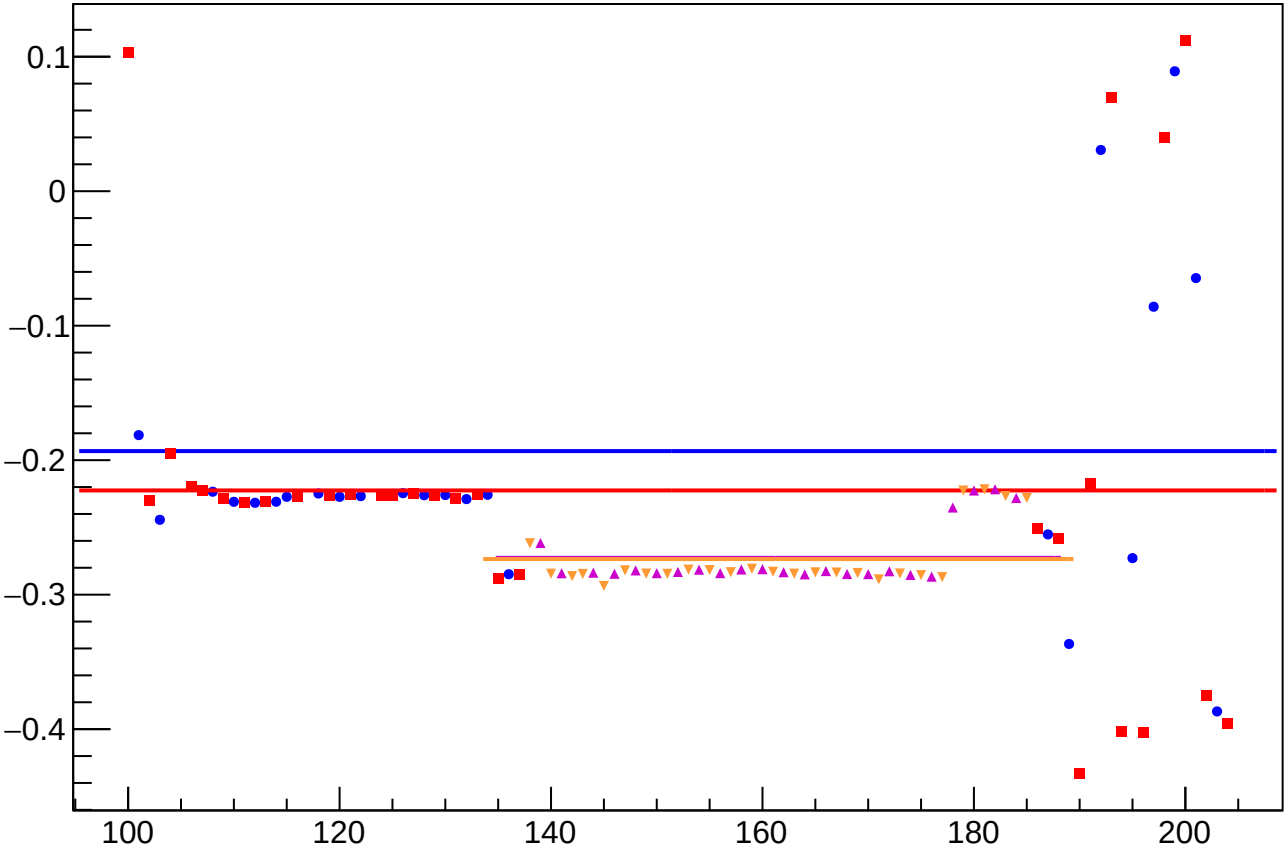
Right: 0.015+/-0.000 χ^2/NDF: 20324469.4/53

In: 0.010+/-0.000 χ^2/NDF:11119631.5/46

Out: 0.011+/-0.000 χ^2/NDF:13376023.0/54

All: 0.010+/-0.000 χ^2/NDF: 24512705.4/101

yield_bpm16Y_mean vs Slug, Sign Corrected



Right In: -0.193+/-0.000 χ^2/NDF: 5792314443.3/23

Left Out: -0.274+/-0.000 χ^2/NDF:395563277.1/24

Right Out: -0.222+/-0.000 χ^2/NDF: 9254651959.2/29

Left In: -0.273+/-0.000 χ^2/NDF:335149425.2/22

Left: -0.273+/-0.000 χ^2/NDF: 730998387.7/47

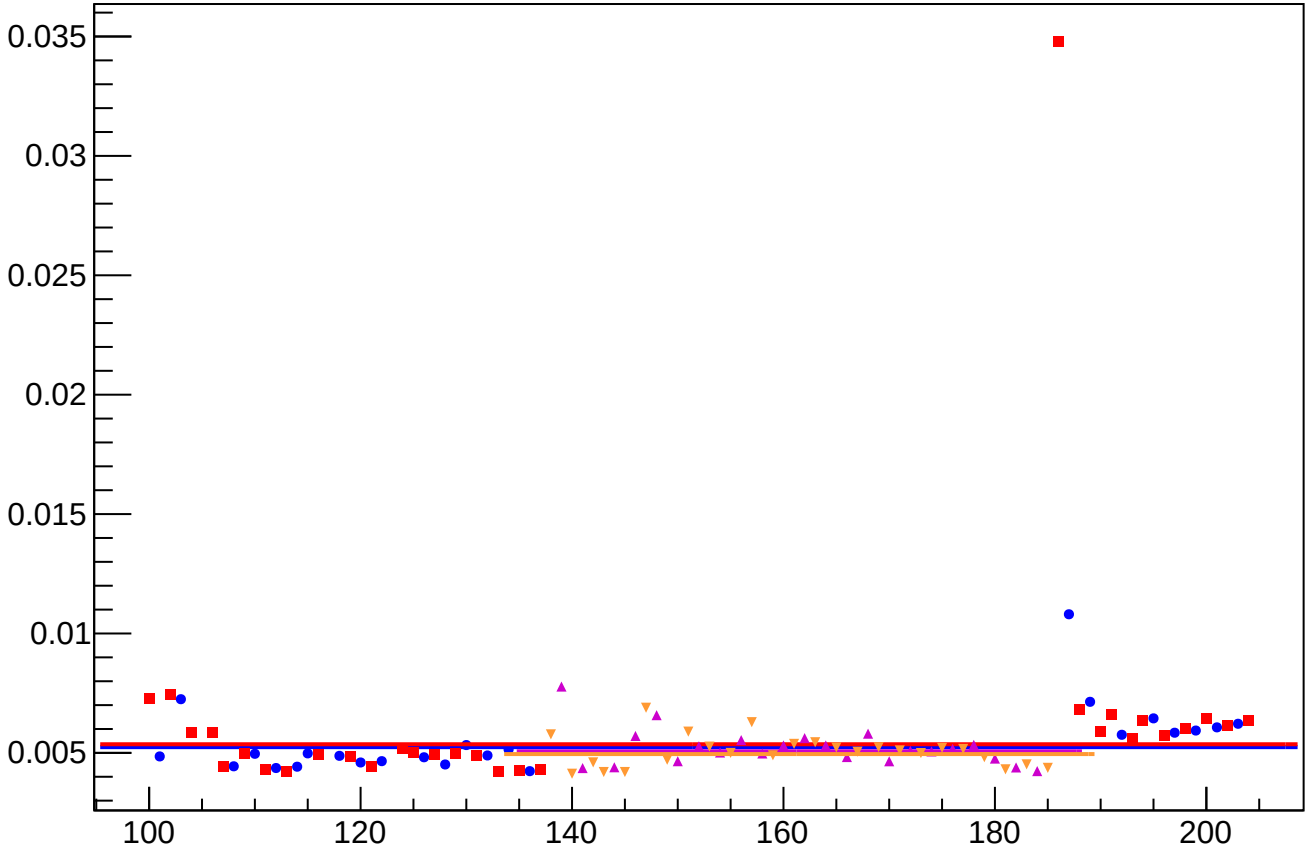
Right: -0.209+/-0.000 χ^2/NDF: 15241281075.8/53

In: -0.241+/-0.000 χ^2/NDF:7780541906.5/46

Out: -0.253+/-0.000 χ^2/NDF:10406067767.5/54

All: -0.248+/-0.000 χ^2/NDF: 18269594096.7/

yield_bpm16Y_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 664585.7/23

Left Out: 0.005+/-0.000 χ^2/NDF:528766.8/24

Right Out: 0.005+/-0.000 χ^2/NDF: 1314196.7/29

Left In: 0.005+/-0.000 χ^2/NDF:539392.8/22

Left: 0.005+/-0.000 χ^2/NDF: 1077679.9/47

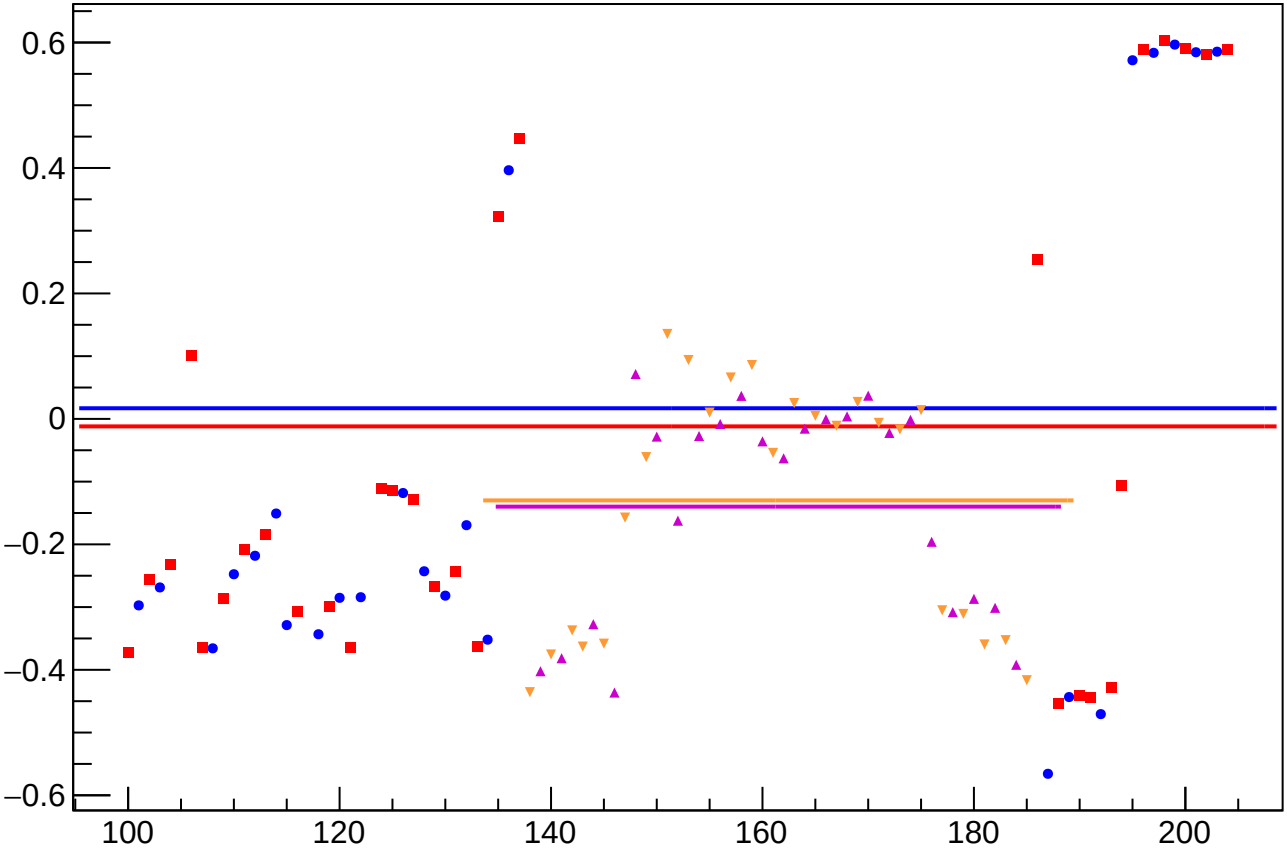
Right: 0.005+/-0.000 χ^2/NDF: 1985469.3/53

In: 0.005+/-0.000 χ^2/NDF:1219766.7/46

Out: 0.005+/-0.000 χ^2/NDF:1941199.5/54

All: 0.005+/-0.000 χ^2/NDF: 3161565.0/101

yield_bpm0i02X_mean vs Slug, Sign Corrected



Right In: 0.017+/-0.000 χ^2/NDF: 50677484000.6/23

Left Out: -0.130+/-0.000 χ^2/NDF:21496239338.5/24

Right Out: -0.012+/-0.000 χ^2/NDF: 52236834769.5/29

Left In: -0.140+/-0.000 χ^2/NDF:15148699439.4/22

Left: -0.135+/-0.000 χ^2/NDF: 36673480193.4/47

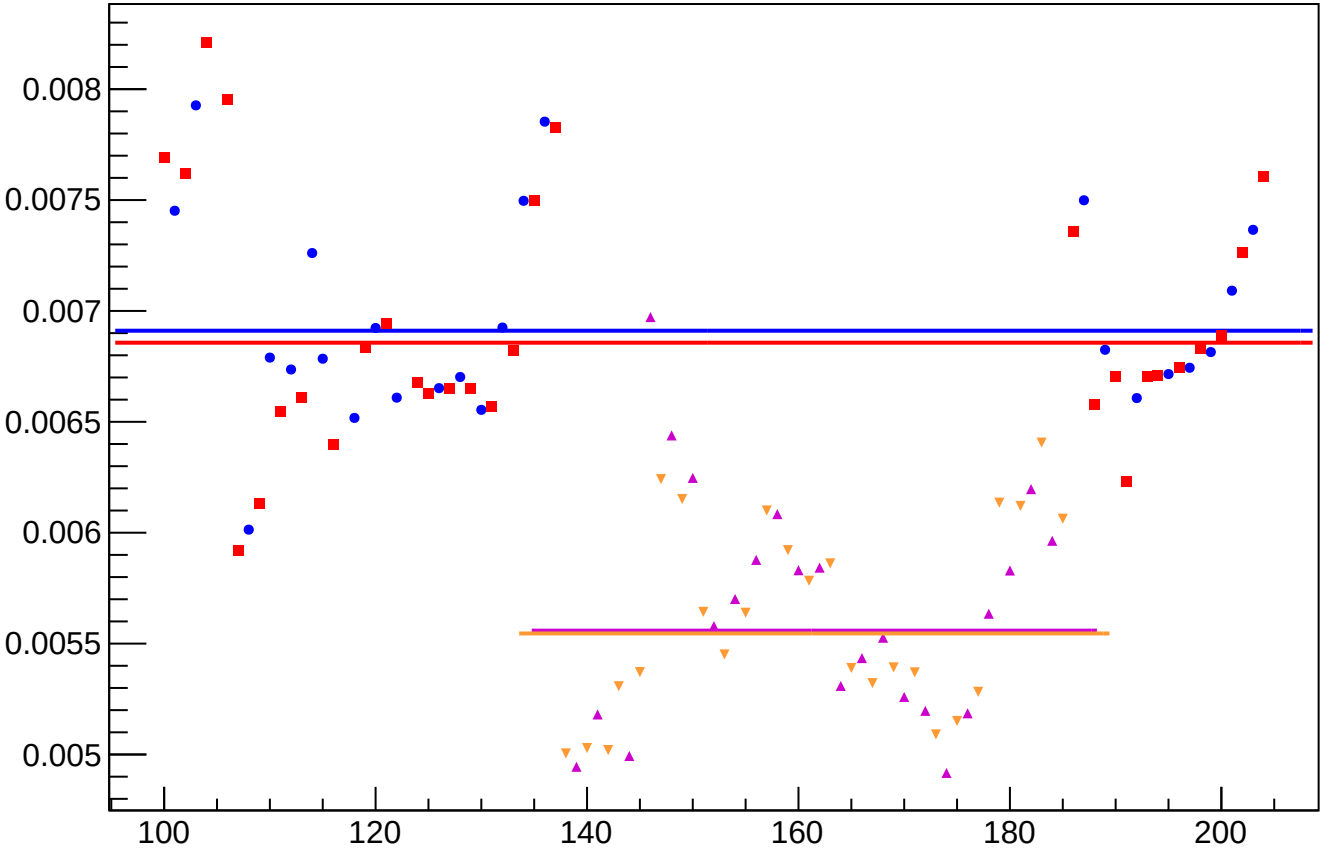
Right: 0.001+/-0.000 χ^2/NDF: 103037011085.7/53

In: -0.089+/-0.000 χ^2/NDF:70319476511.6/46

Out: -0.089+/-0.000 χ^2/NDF:76633382062.4/54

All: -0.089+/-0.000 χ^2/NDF: 146952862475.4

yield_bpm0i02X_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 102378.0/23

Left Out: 0.006+/-0.000 χ^2/NDF:201874.8/24

Right Out: 0.007+/-0.000 χ^2/NDF: 136163.7/29

Left In: 0.006+/-0.000 χ^2/NDF:260994.3/22

Left: 0.006+/-0.000 χ^2/NDF: 462963.1/47

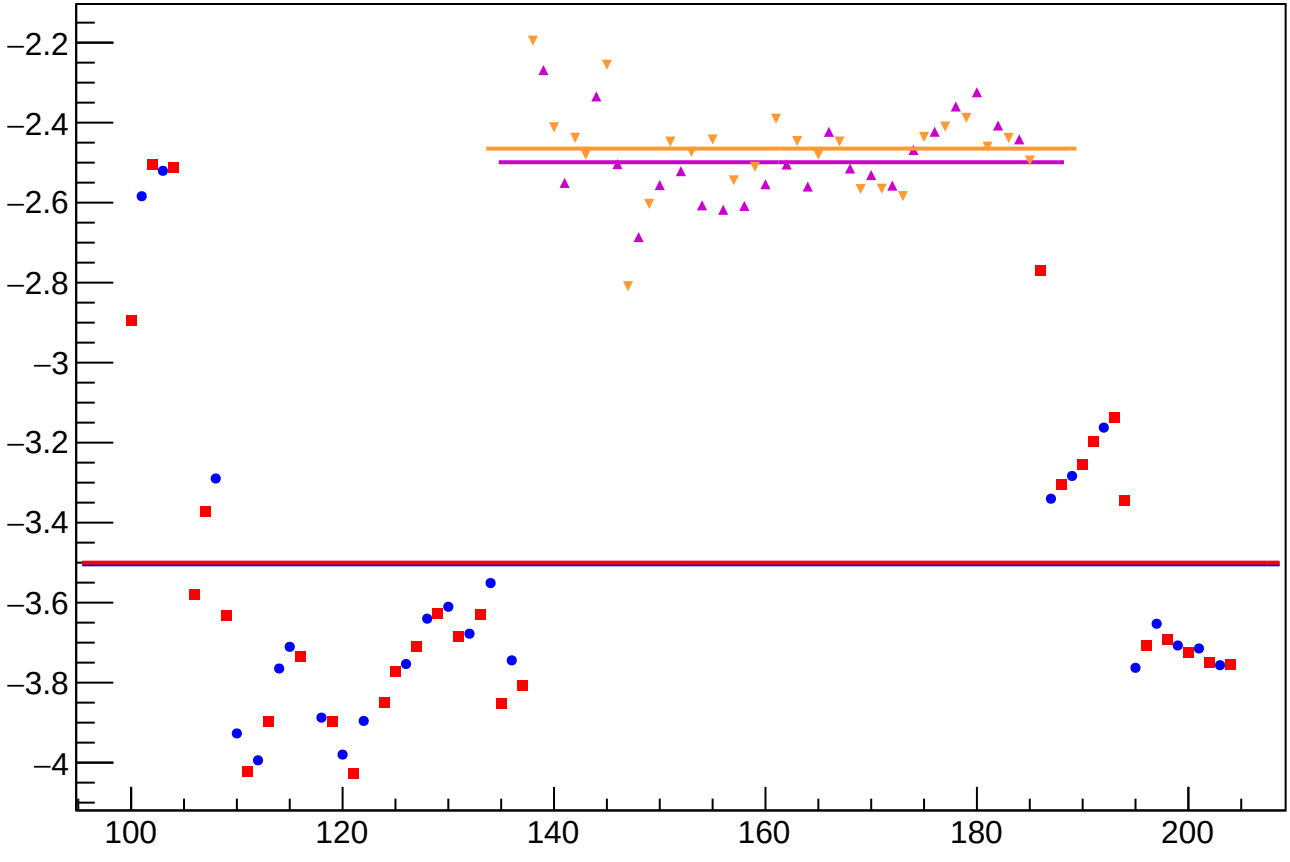
Right: 0.007+/-0.000 χ^2/NDF: 239399.4/53

In: 0.006+/-0.000 χ^2/NDF:1031534.7/46

Out: 0.006+/-0.000 χ^2/NDF:1054269.8/54

All: 0.006+/-0.000 χ^2/NDF: 2085813.6/101

yield_bpm0i02Y_mean vs Slug, Sign Corrected



Right In: -3.504+/-0.000 χ^2/NDF: 32184205094.7/23

Left Out: -2.465+/-0.000 χ^2/NDF:2167098053.0/24

Right Out: -3.500+/-0.000 χ^2/NDF: 34368372222.9/29

Left In: -2.499+/-0.000 χ^2/NDF:2273256162.3/22

Left: -2.482+/-0.000 χ^2/NDF: 4579764851.4/47

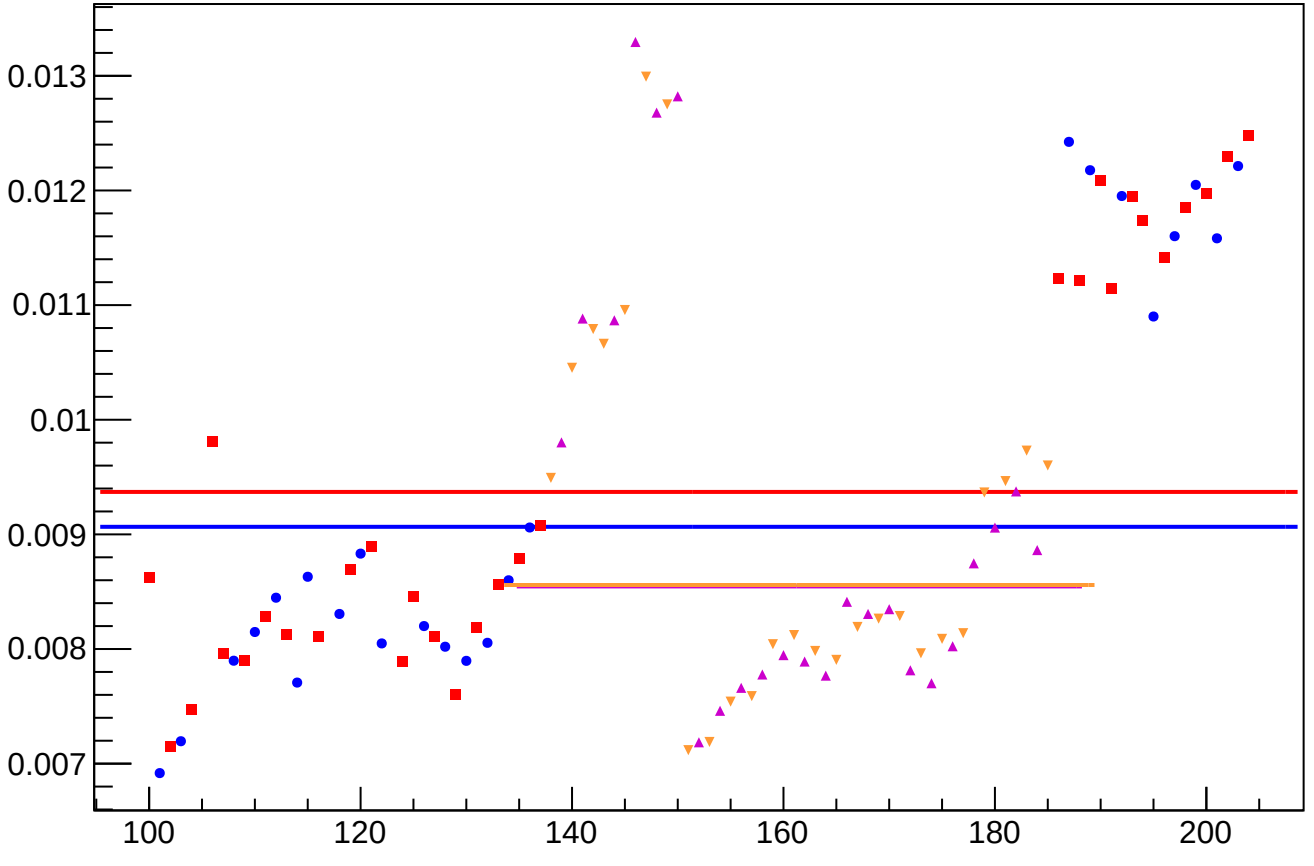
Right: -3.502+/-0.000 χ^2/NDF: 66553940971.9/53

In: -2.894+/-0.000 χ^2/NDF:127272537983.3/46

Out: -2.879+/-0.000 χ^2/NDF:142210770664.4/54

All: -2.886+/-0.000 χ^2/NDF: 269528573139.5

yield_bpm0i02Y_rms vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 956895.1/23

Left Out: 0.009+/-0.000 χ^2/NDF:824029.0/24

Right Out: 0.009+/-0.000 χ^2/NDF: 1086220.6/29

Left In: 0.009+/-0.000 χ^2/NDF:910760.2/22

Left: 0.009+/-0.000 χ^2/NDF: 1734826.3/47

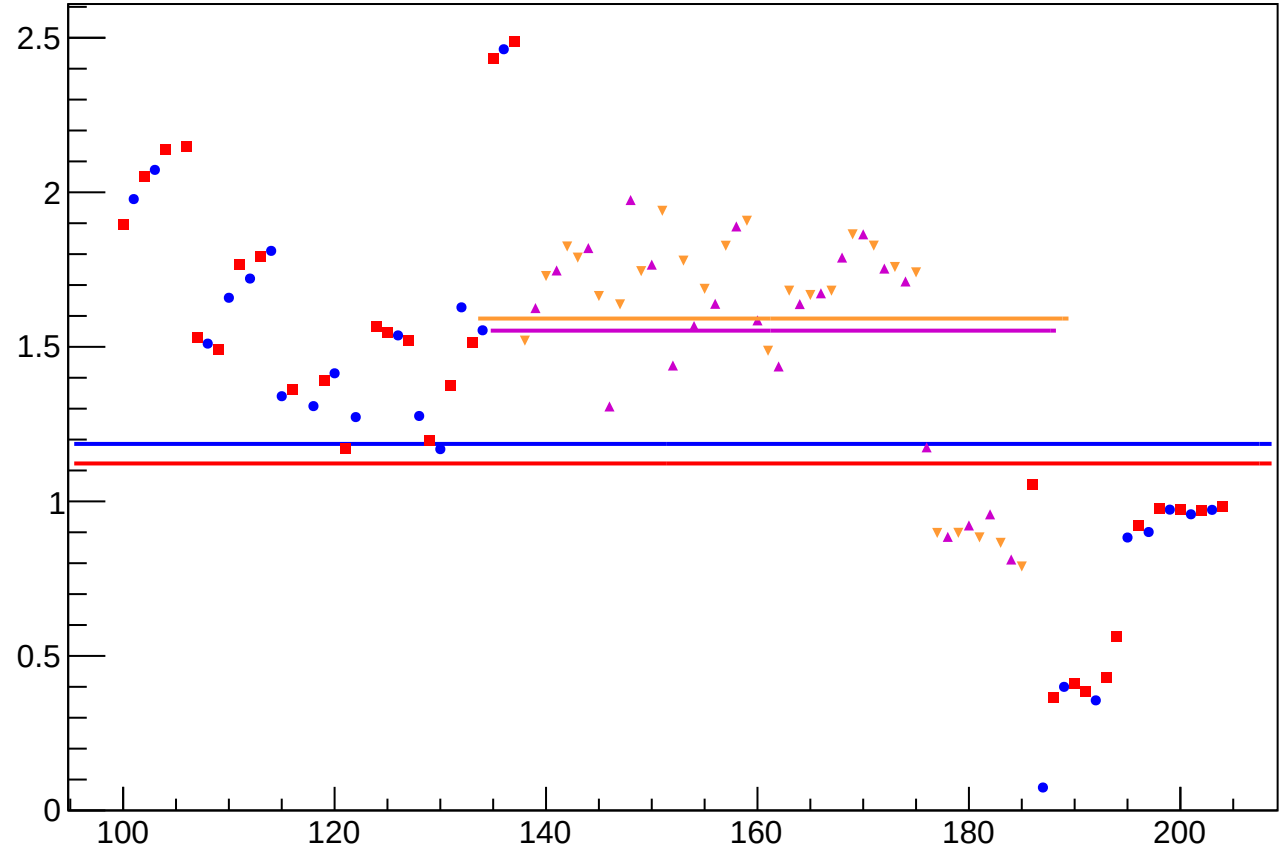
Right: 0.009+/-0.000 χ^2/NDF: 2057704.4/53

In: 0.009+/-0.000 χ^2/NDF:1917347.9/46

Out: 0.009+/-0.000 χ^2/NDF:2040318.0/54

All: 0.009+/-0.000 χ^2/NDF: 3964671.7/101

yield_bpm0i02aX_mean vs Slug, Sign Corrected



Right In: 1.186+/-0.000 χ^2/NDF: 28961840671.1/23

Left Out: 1.592+/-0.000 χ^2/NDF:17078853061.6/24

Right Out: 1.123+/-0.000 χ^2/NDF: 34317633615.7/29

Left In: 1.552+/-0.000 χ^2/NDF:14055987405.9/22

Left: 1.573+/-0.000 χ^2/NDF: 31243382500.9/47

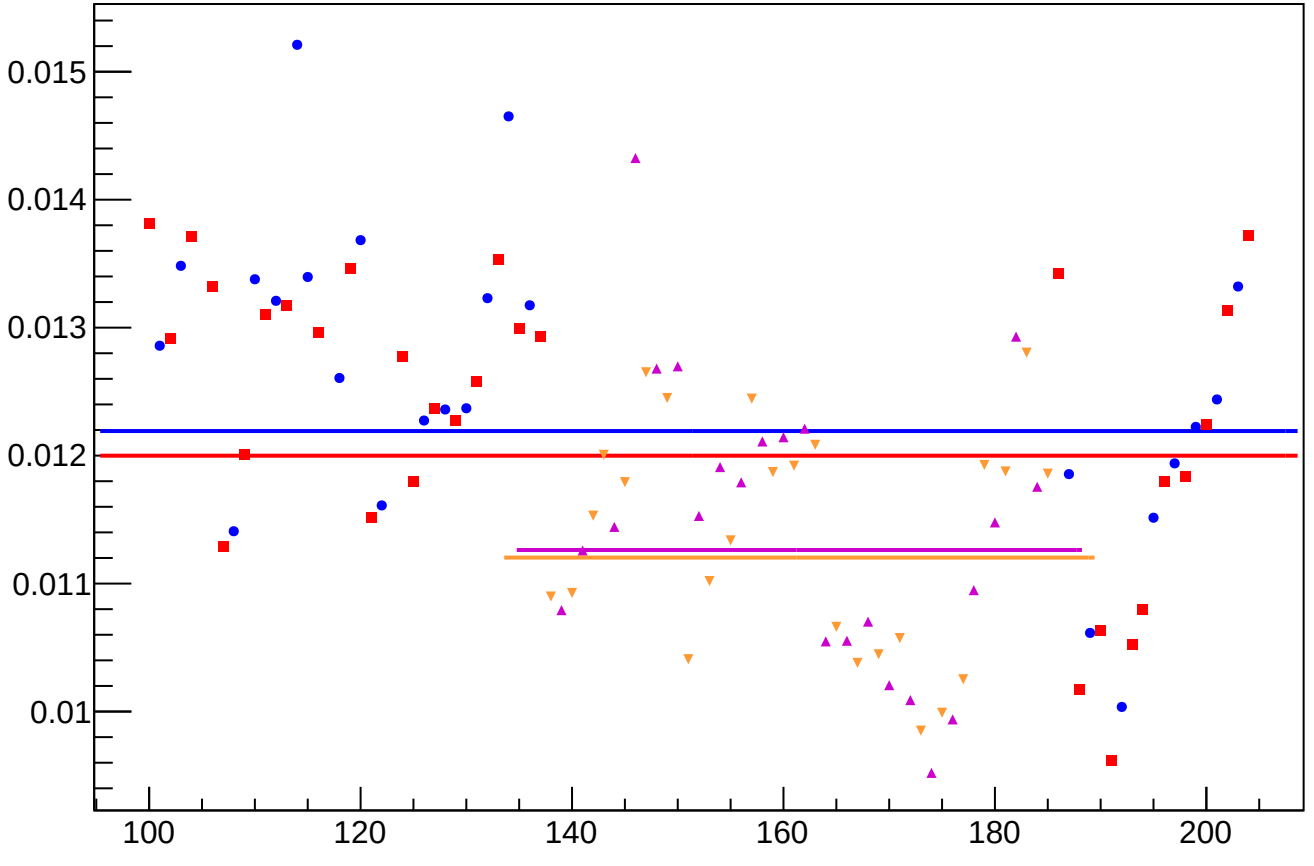
Right: 1.151+/-0.000 χ^2/NDF: 63467796457.8/53

In: 1.411+/-0.000 χ^2/NDF:50124401415.7/46

Out: 1.398+/-0.000 χ^2/NDF:64751855100.2/54

All: 1.404+/-0.000 χ^2/NDF: 114894967782.6

yield_bpm0i02aX_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 219206.8/23

Left Out: 0.011+/-0.000 χ^2/NDF:223594.3/24

Right Out: 0.012+/-0.000 χ^2/NDF: 290029.0/29

Left In: 0.011+/-0.000 χ^2/NDF:311660.7/22

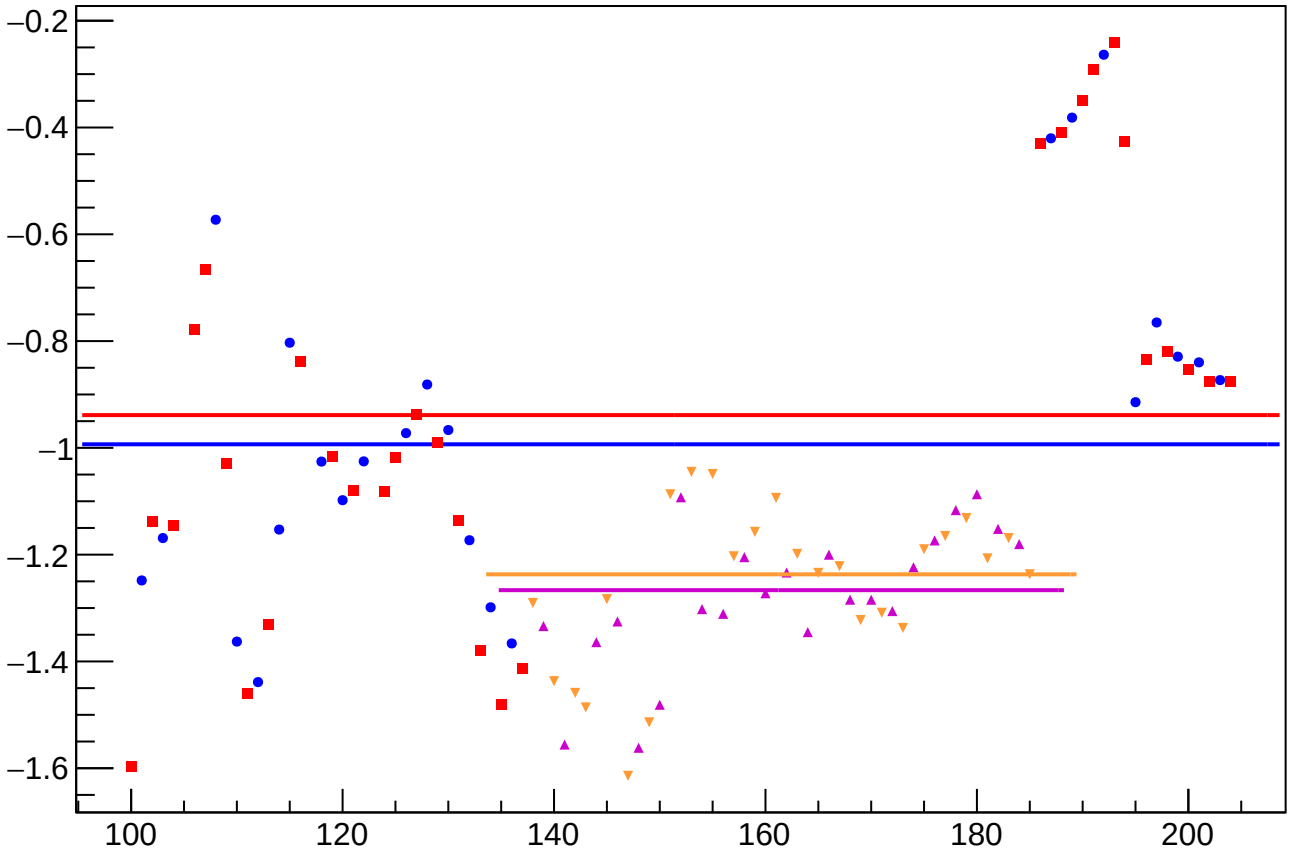
Left: 0.011+/-0.000 χ^2/NDF: 535750.7/47

Right: 0.012+/-0.000 χ^2/NDF: 512730.9/53

In: 0.012+/-0.000 χ^2/NDF:622340.7/46

Out: 0.012+/-0.000 χ^2/NDF:590645.7/54

All: 0.012+/-0.000 χ^2/NDF: 1214912.0/101



Right In: -0.993+/-0.000 χ^2/NDF: 11706291042.5/23

Left Out: -1.237+/-0.000 χ^2/NDF:4972272024.7/24

Right Out: -0.939+/-0.000 χ^2/NDF: 16598180050.9/29

Left In: -1.267+/-0.000 χ^2/NDF:3674801511.3/22

Left: -1.251+/-0.000 χ^2/NDF: 8764581472.4/47

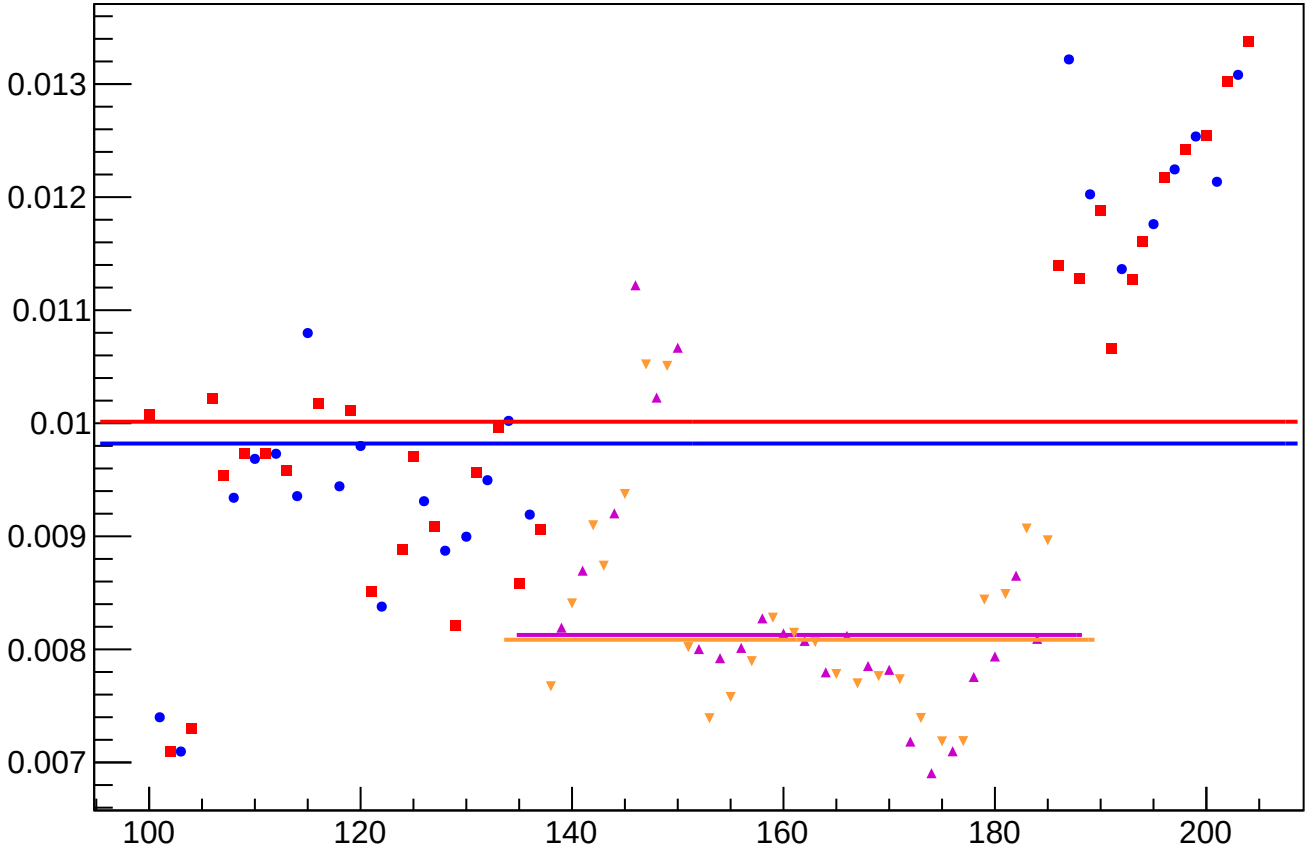
Right: -0.964+/-0.000 χ^2/NDF: 28506671061.1/53

In: -1.176+/-0.000 χ^2/NDF:21782194860.2/46

Out: -1.135+/-0.000 χ^2/NDF:29952796860.5/54

All: -1.155+/-0.000 χ^2/NDF: 52072086147.8/

yield_bpm0i02aY_rms vs Slug, Sign Corrected



Right In: 0.010+/-0.000 χ^2/NDF: 814023.6/23

Left Out: 0.008+/-0.000 χ^2/NDF:326825.0/24

Right Out: 0.010+/-0.000 χ^2/NDF: 950705.5/29

Left In: 0.008+/-0.000 χ^2/NDF:409030.0/22

Left: 0.008+/-0.000 χ^2/NDF: 736335.1/47

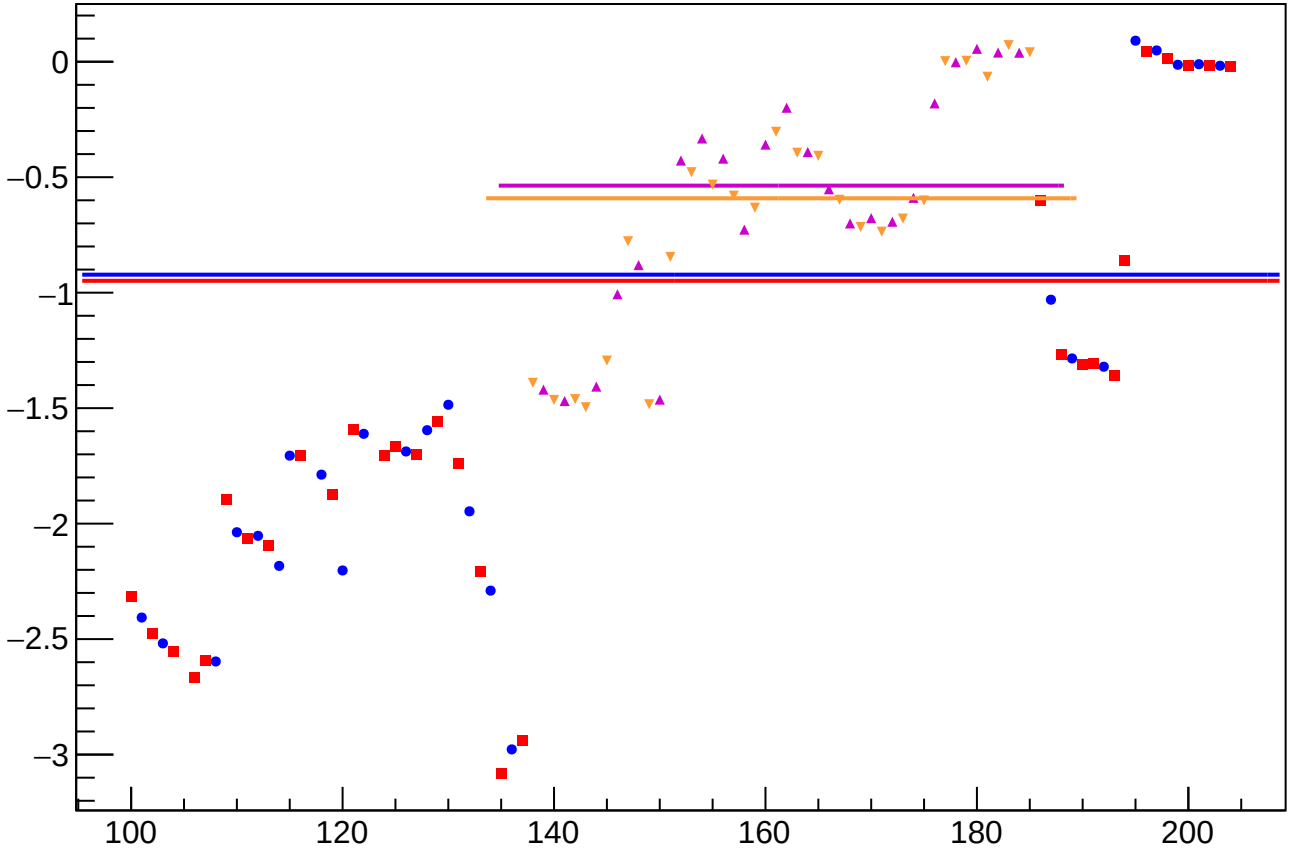
Right: 0.010+/-0.000 χ^2/NDF: 1769760.9/53

In: 0.009+/-0.000 χ^2/NDF:1714720.8/46

Out: 0.009+/-0.000 χ^2/NDF:1978321.3/54

All: 0.009+/-0.000 χ^2/NDF: 3694251.2/101

yield_bpm0i05X_mean vs Slug, Sign Corrected



Right In: -0.922+/-0.000 χ^2/NDF: 317536319457.8/23

Left Out: -0.591+/-0.000 χ^2/NDF:72678844667.5/24

Right Out: -0.949+/-0.000 χ^2/NDF: 340531107915.8/29

Left In: -0.536+/-0.000 χ^2/NDF:70168781562.6/22

Left: -0.564+/-0.000 χ^2/NDF: 143410113051.4/47

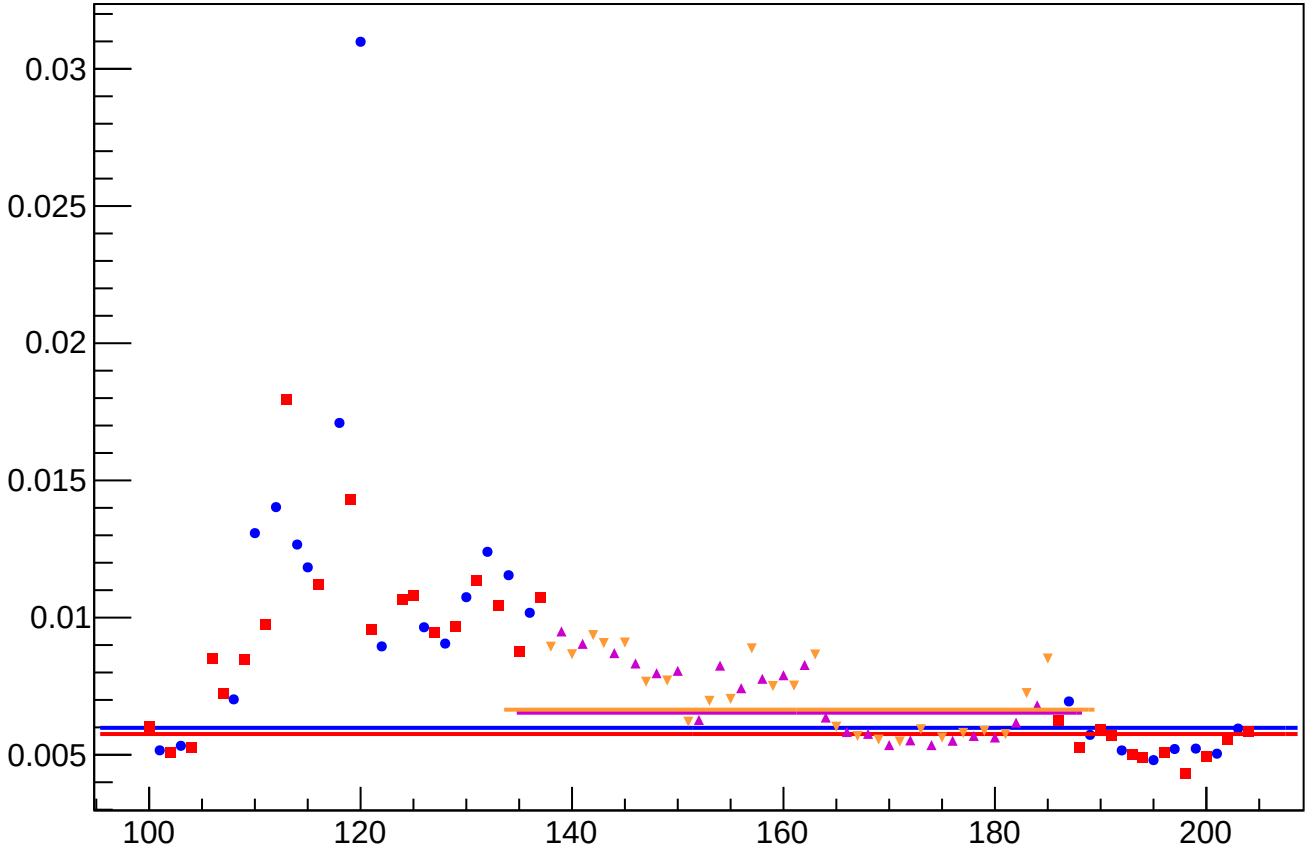
Right: -0.937+/-0.000 χ^2/NDF: 658181783611.4/53

In: -0.705+/-0.000 χ^2/NDF:411754051146.4/46

Out: -0.769+/-0.000 χ^2/NDF:437296597419.6/54

All: -0.739+/-0.000 χ^2/NDF: 850512863487.0

yield_bpm0i05X_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 2459353.9/23

Left Out: 0.007+/-0.000 χ^2/NDF:1091920.0/24

Right Out: 0.006+/-0.000 χ^2/NDF: 2346930.4/29

Left In: 0.007+/-0.000 χ^2/NDF:1151126.7/22

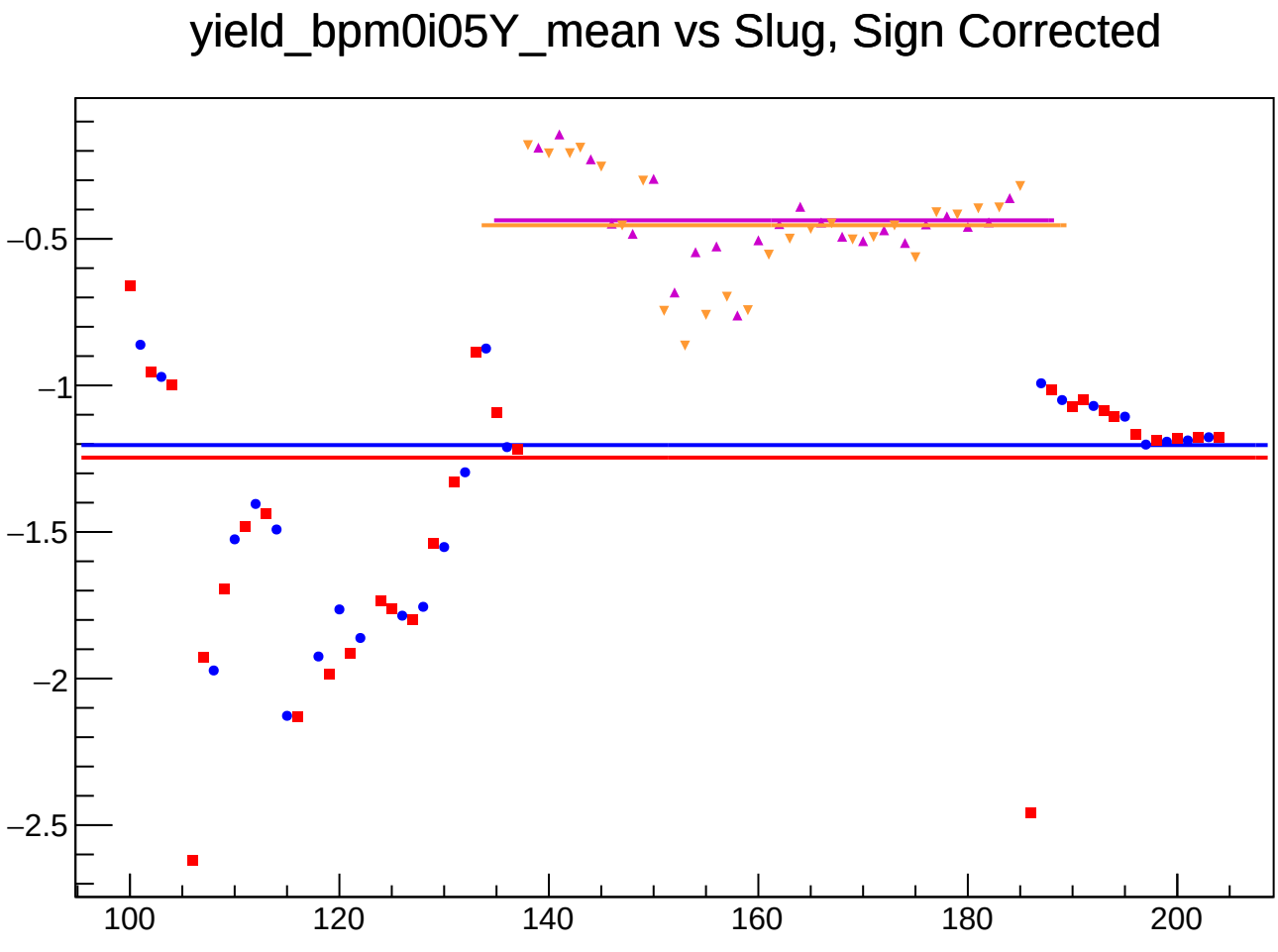
Left: 0.007+/-0.000 χ^2/NDF: 2247615.4/47

Right: 0.006+/-0.000 χ^2/NDF: 4822874.5/53

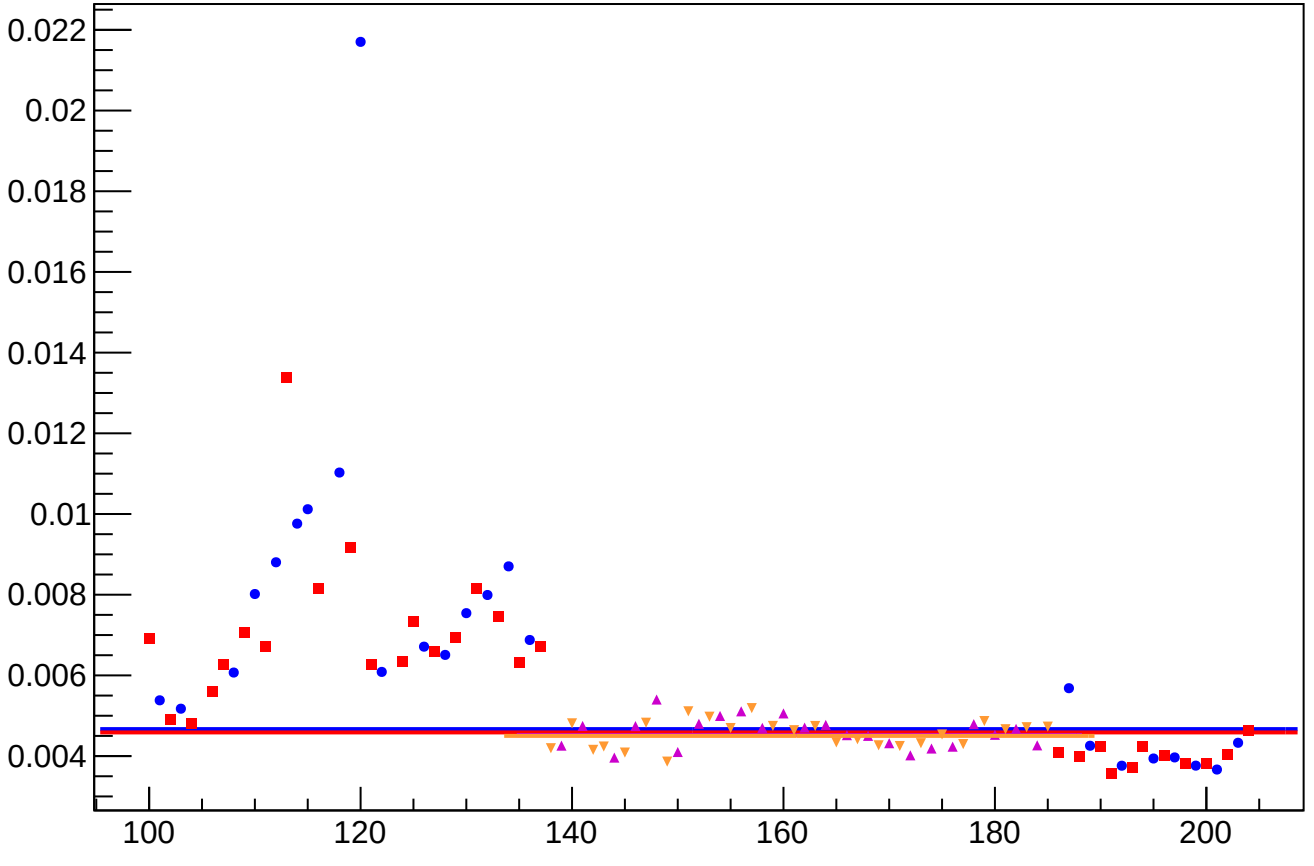
In: 0.006+/-0.000 χ^2/NDF:3709075.4/46

Out: 0.006+/-0.000 χ^2/NDF:3736545.7/54

All: 0.006+/-0.000 χ^2/NDF: 7451441.4/101


yield_bpm0i05Y_mean vs Slug, Sign Corrected
−0.5
−1
−1.5
−2
−2.5
100
120
140
160
180
200
Right In: -1.204+/-0.000 χ²/NDF: 27102409735.0/23
Left Out: -0.454+/-0.000 χ²/NDF:29096412438.0/24
Right Out: -1.246+/-0.000 χ²/NDF: 72164446124.3/29
Left In: -0.437+/-0.000 χ²/NDF:16544160360.6/22
Left: -0.446+/-0.000 χ²/NDF: 45759847773.7/47
Right: -1.227+/-0.000 χ²/NDF: 99754621505.1/53
In: -0.721+/-0.000 χ²/NDF:221454610300.8/46
Out: -0.778+/-0.000 χ²/NDF:325154854353.0/54
All: -0.752+/-0.000 χ²/NDF: 548847040802.9

yield_bpm0i05Y_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 2143345.8/23

Left Out: 0.005+/-0.000 χ^2/NDF:189230.5/24

Right Out: 0.005+/-0.000 χ^2/NDF: 1844364.1/29

Left In: 0.005+/-0.000 χ^2/NDF:212056.7/22

Left: 0.005+/-0.000 χ^2/NDF: 401608.0/47

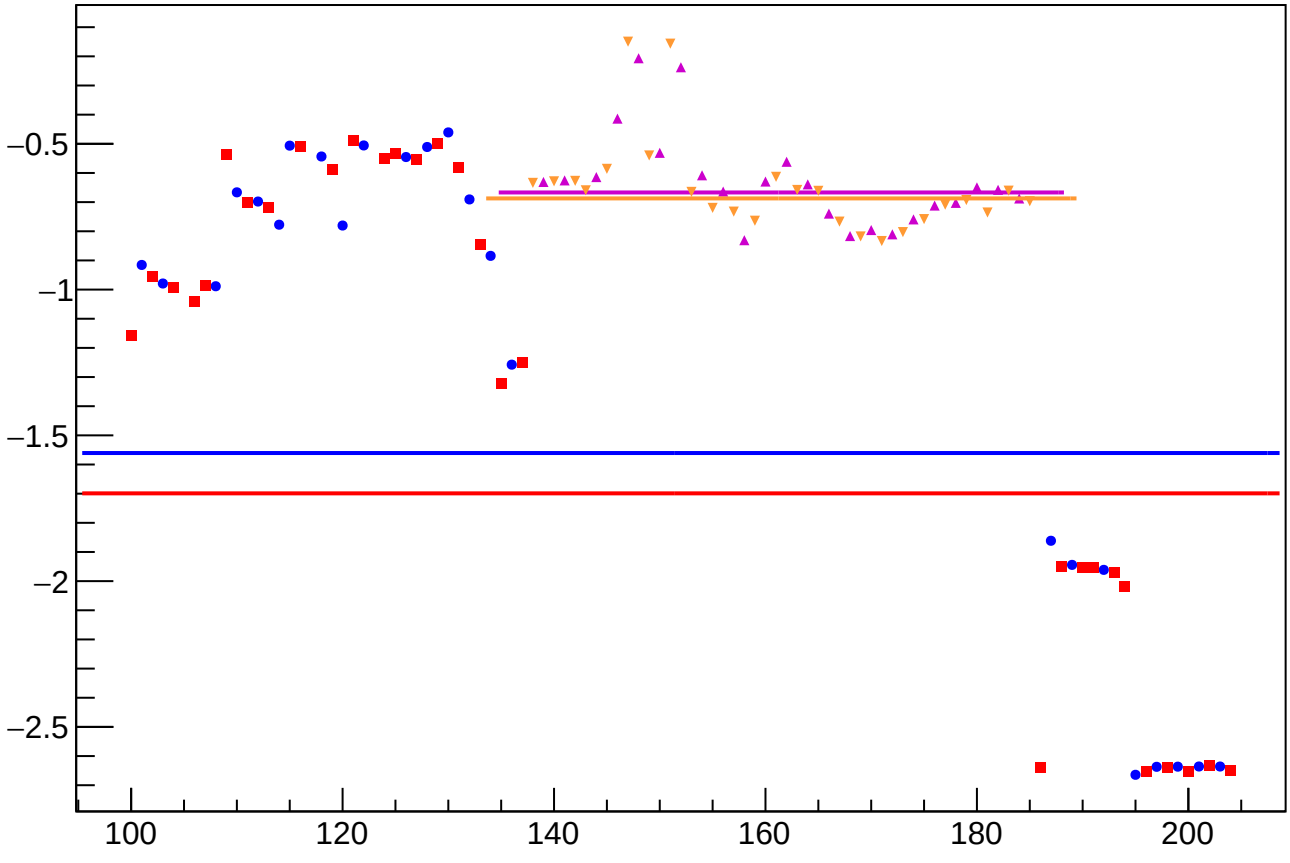
Right: 0.005+/-0.000 χ^2/NDF: 3991340.1/53

In: 0.005+/-0.000 χ^2/NDF:2368721.0/46

Out: 0.005+/-0.000 χ^2/NDF:2038811.8/54

All: 0.005+/-0.000 χ^2/NDF: 4409688.8/101

yield_bpm0i07X_mean vs Slug, Sign Corrected



Right In: -1.561+/-0.000 χ^2/NDF: 214127183228.7/23

Left Out: -0.687+/-0.000 χ^2/NDF:22462821855.7/24

Right Out: -1.699+/-0.000 χ^2/NDF: 284970415798.2/29

Left In: -0.667+/-0.000 χ^2/NDF:22531477329.1/22

Left: -0.677+/-0.000 χ^2/NDF: 45194028028.5/47

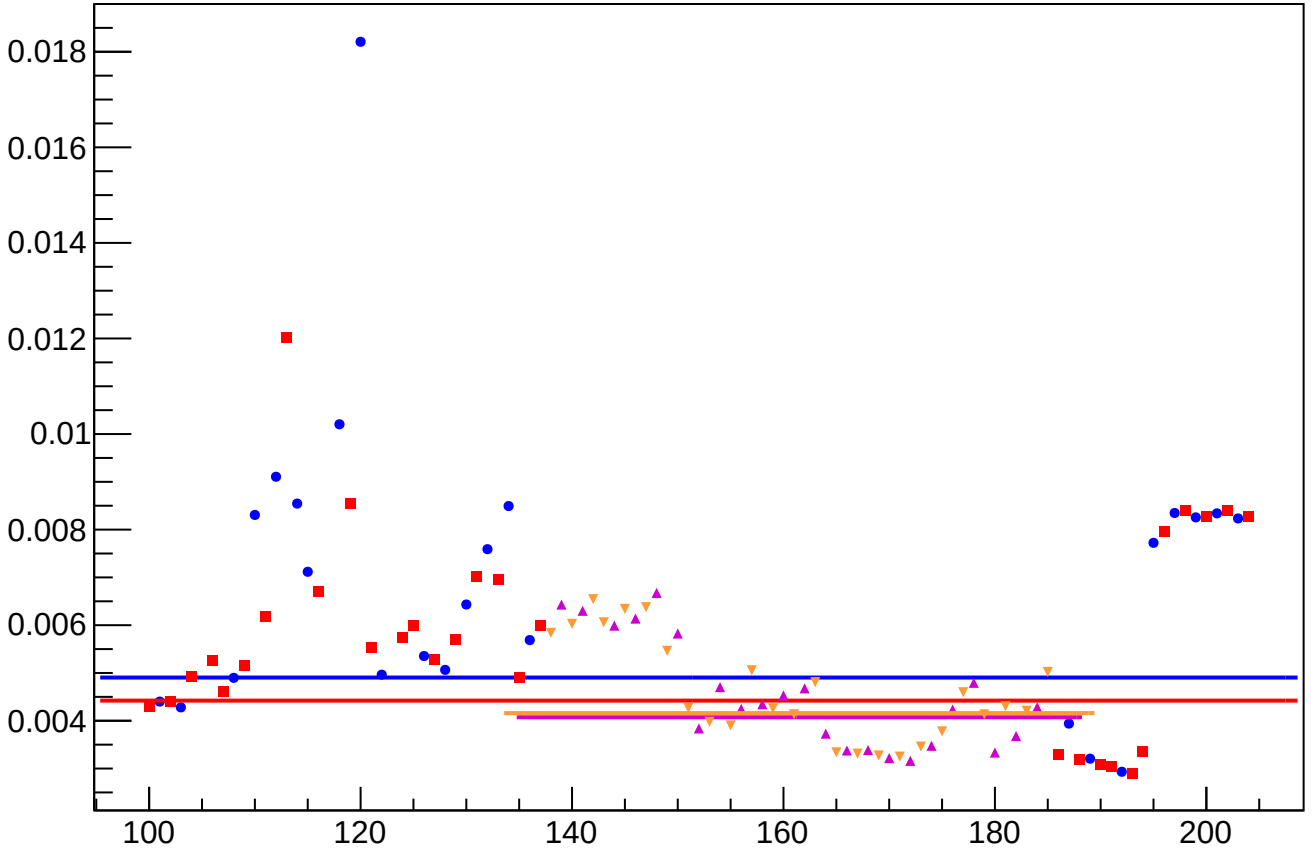
Right: -1.643+/-0.000 χ^2/NDF: 503874304082.3/53

In: -0.941+/-0.000 χ^2/NDF:469528445555.3/46

Out: -1.081+/-0.000 χ^2/NDF:691819837612.2/54

All: -1.016+/-0.000 χ^2/NDF: 1175835479019

yield_bpm0i07X_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 3615109.3/23

Left Out: 0.004+/-0.000 χ^2/NDF:1520055.0/24

Right Out: 0.004+/-0.000 χ^2/NDF: 3973857.7/29

Left In: 0.004+/-0.000 χ^2/NDF:1750303.9/22

Left: 0.004+/-0.000 χ^2/NDF: 3277736.9/47

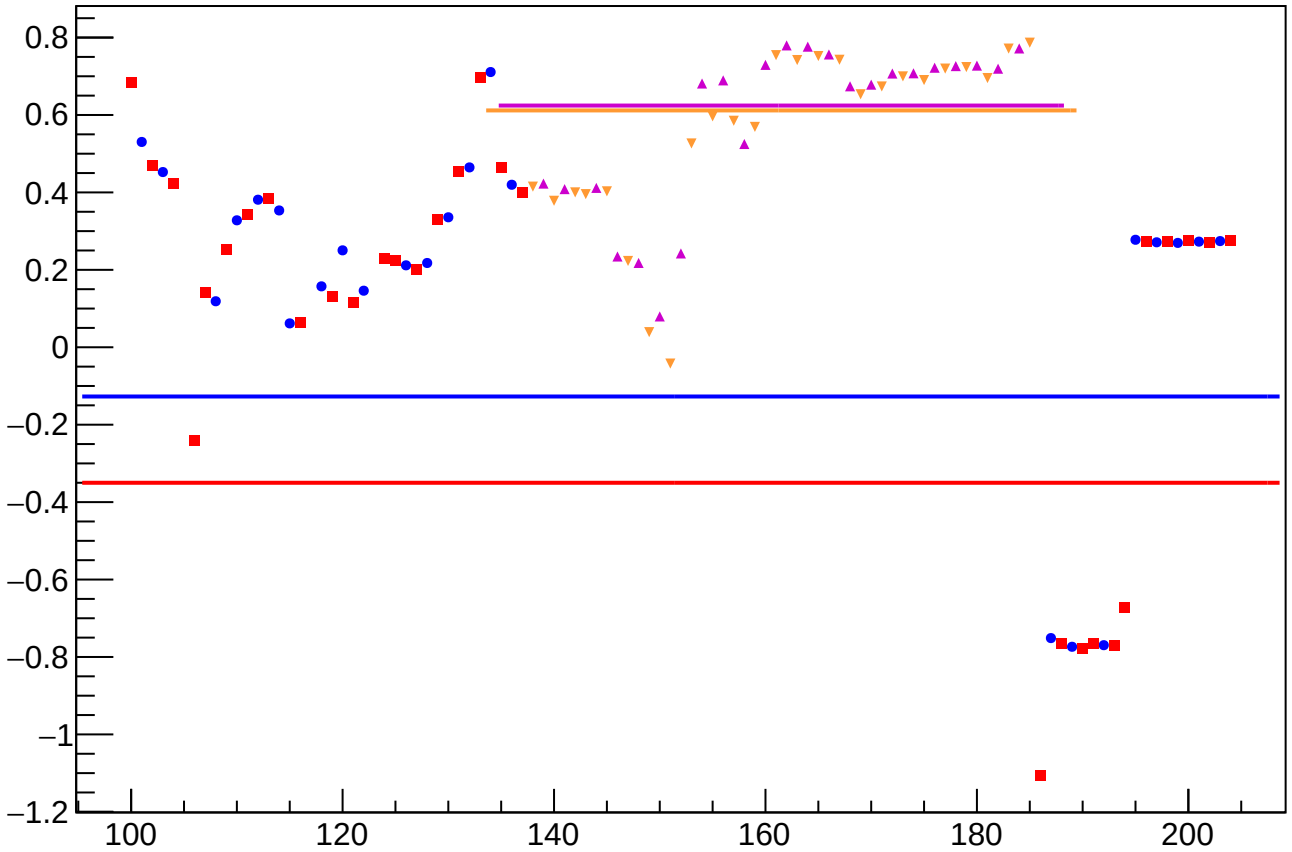
Right: 0.005+/-0.000 χ^2/NDF: 7705332.1/53

In: 0.004+/-0.000 χ^2/NDF:5768649.1/46

Out: 0.004+/-0.000 χ^2/NDF:5545119.8/54

All: 0.004+/-0.000 χ^2/NDF: 11320035.9/101

yield_bpm0i07Y_mean vs Slug, Sign Corrected



Right In: -0.127+/-0.000 χ^2/NDF: 297641775074.0/23

Left Out: 0.612+/-0.000 χ^2/NDF:45742599949.2/24

Right Out: -0.350+/-0.000 χ^2/NDF: 472271381436.9/29

Left In: 0.624+/-0.000 χ^2/NDF:40353141115.4/22

Left: 0.618+/-0.000 χ^2/NDF: 86197864169.1/47

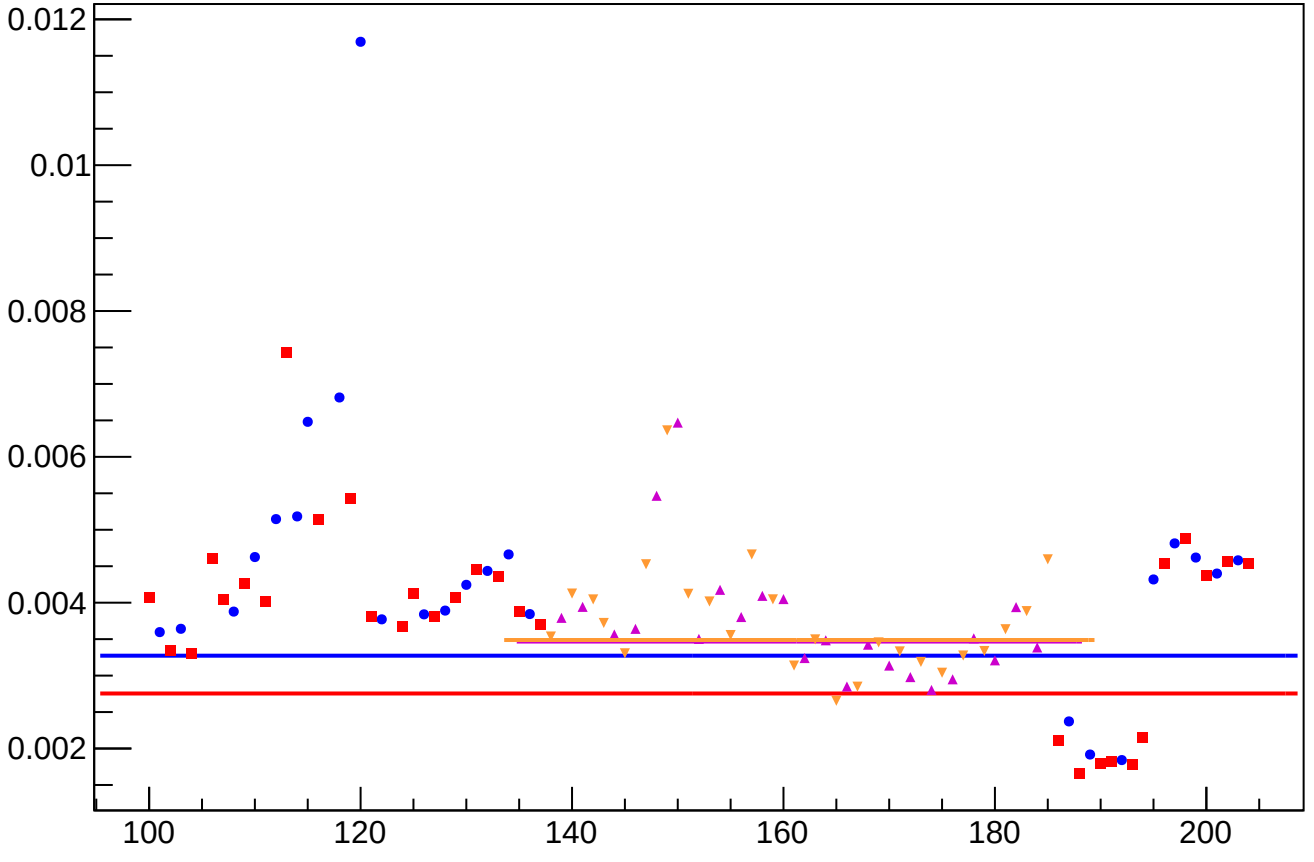
Right: -0.264+/-0.000 χ^2/NDF: 799807907605.6/53

In: 0.296+/-0.000 χ^2/NDF:650165973222.2/46

Out: 0.091+/-0.000 χ^2/NDF:1178895733038.4/54

All: 0.181+/-0.000 χ^2/NDF: 1882463851505.

yield_bpm0i07Y_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 3208847.4/23

Left Out: 0.003+/-0.000 χ^2/NDF:850746.8/24

Right Out: 0.003+/-0.000 χ^2/NDF: 4522906.2/29

Left In: 0.003+/-0.000 χ^2/NDF:894124.0/22

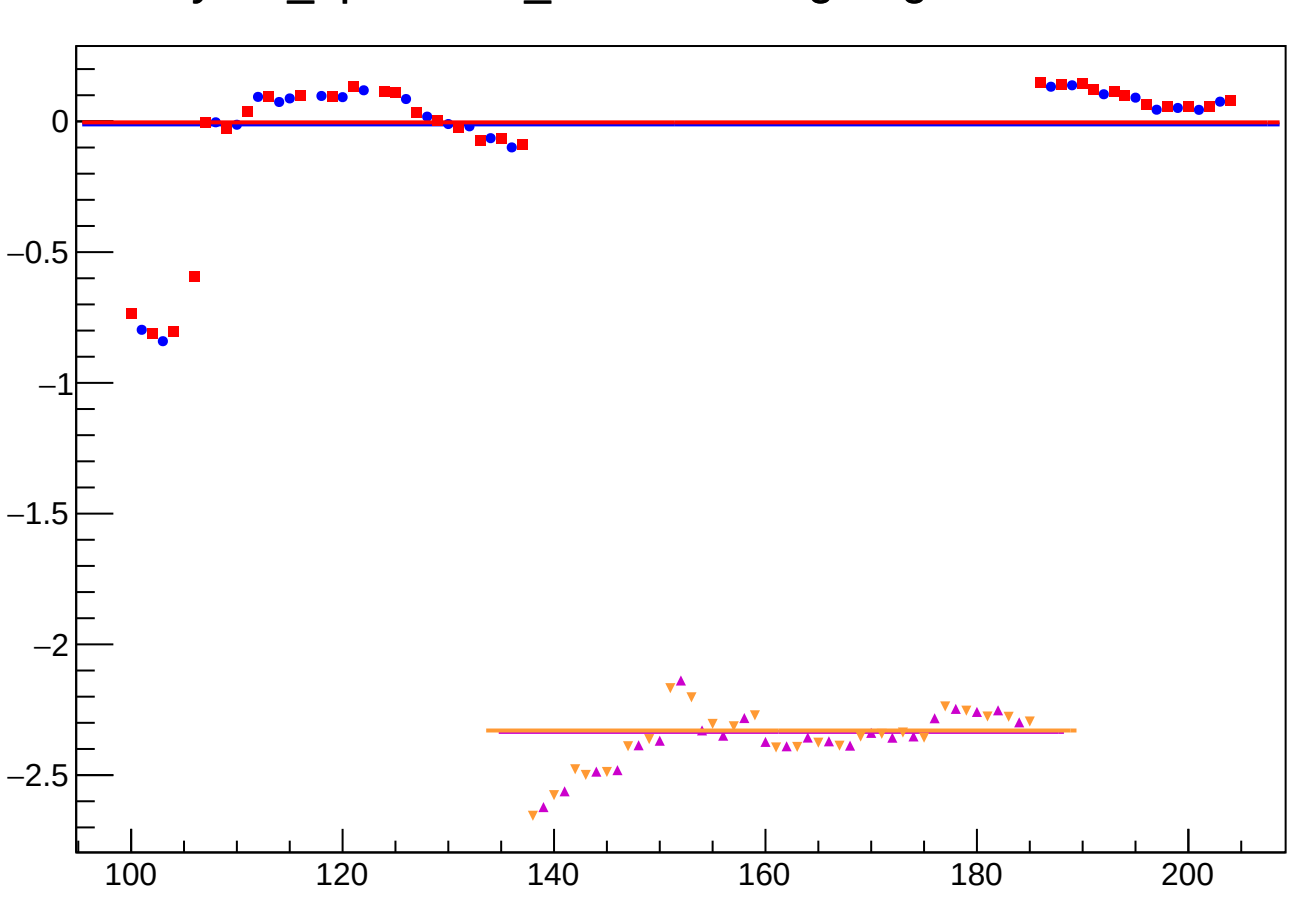
Left: 0.003+/-0.000 χ^2/NDF: 1745449.7/47

Right: 0.003+/-0.000 χ^2/NDF: 8055253.4/53

In: 0.003+/-0.000 χ^2/NDF:4144486.7/46

Out: 0.003+/-0.000 χ^2/NDF:6142058.3/54

All: 0.003+/-0.000 χ^2/NDF: 10501068.0/101



Right In: -0.012+/-0.000 χ^2/NDF: 6406033227.5/23

Left Out: -2.329+/-0.000 χ^2/NDF:1982733526.8/24

Right Out: -0.004+/-0.000 χ^2/NDF: 7742687623.4/29

Left In: -2.335+/-0.000 χ^2/NDF:1676703216.8/22

Left: -2.332+/-0.000 χ^2/NDF: 3662448442.3/47

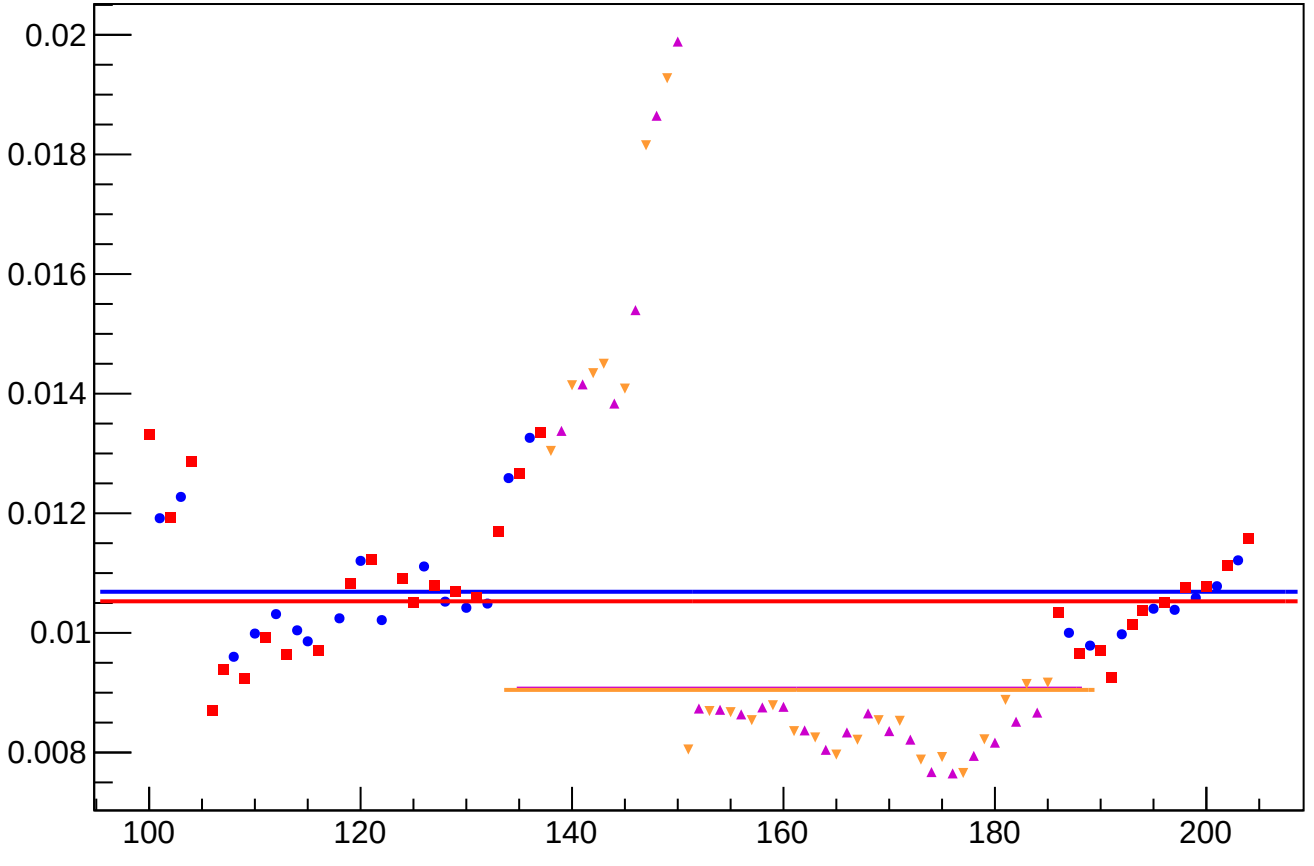
Right: -0.007+/-0.000 χ^2/NDF: 14152498877.4/53

In: -1.512+/-0.000 χ^2/NDF:406622844035.0/46

Out: -1.440+/-0.000 χ^2/NDF:469354703085.2/54

All: -1.474+/-0.000 χ^2/NDF: 876874969429.3

yield_bpm1i02X_rms vs Slug, Sign Corrected



Right In: 0.011+/-0.000 χ^2/NDF: 170685.4/23

Left Out: 0.009+/-0.000 χ^2/NDF:2048729.6/24

Right Out: 0.011+/-0.000 χ^2/NDF: 245839.7/29

Left In: 0.009+/-0.000 χ^2/NDF:2134207.9/22

Left: 0.009+/-0.000 χ^2/NDF: 4183033.5/47

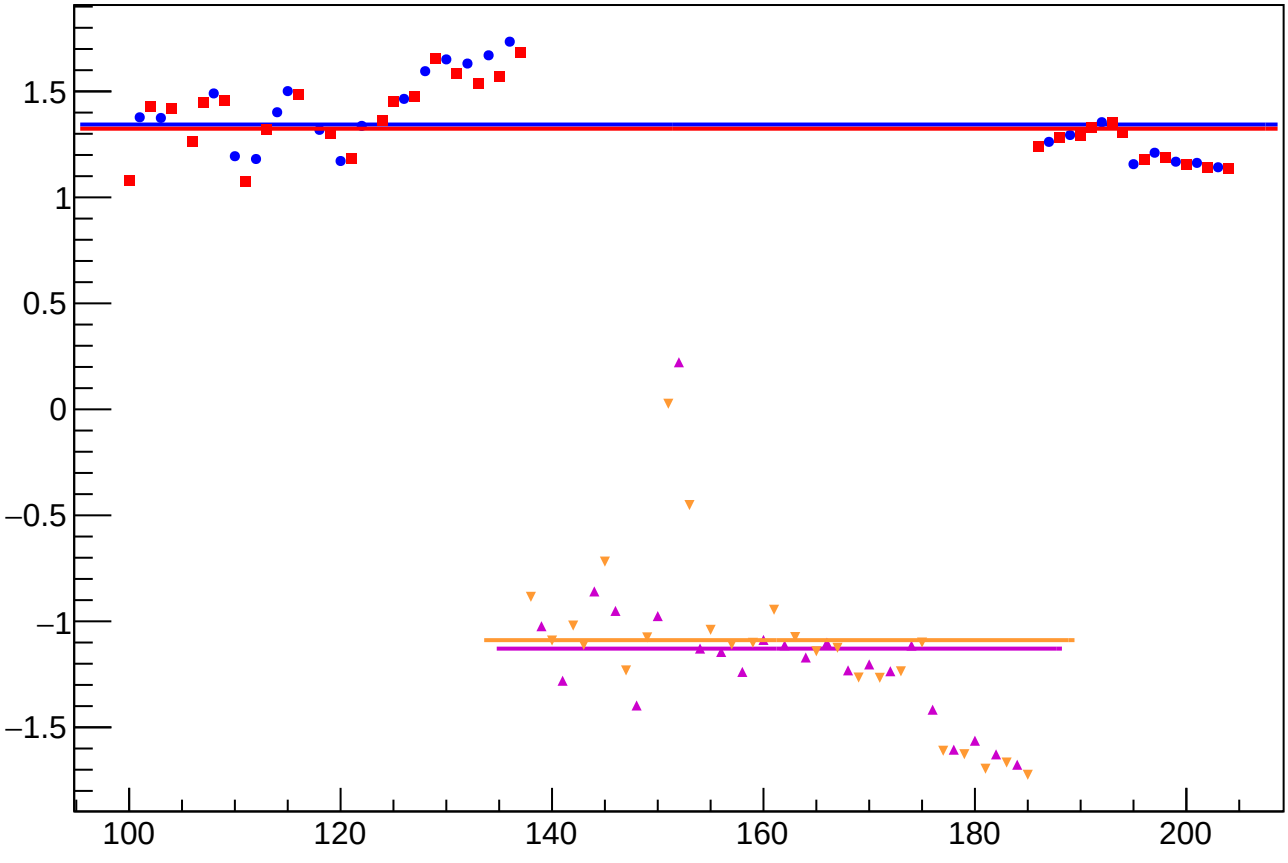
Right: 0.011+/-0.000 χ^2/NDF: 419711.0/53

In: 0.010+/-0.000 χ^2/NDF:2692332.5/46

Out: 0.010+/-0.000 χ^2/NDF:2667400.2/54

All: 0.010+/-0.000 χ^2/NDF: 5359997.1/101

yield_bpm1i02Y_mean vs Slug, Sign Corrected



Right In: 1.344+/-0.000 χ^2/NDF: 7289796790.0/23

Left Out: -1.089+/-0.000 χ^2/NDF:61255304912.3/24

Right Out: 1.324+/-0.000 χ^2/NDF: 5908993588.2/29

Left In: -1.129+/-0.000 χ^2/NDF:58876825364.1/22

Left: -1.108+/-0.000 χ^2/NDF: 120403370890.0/47

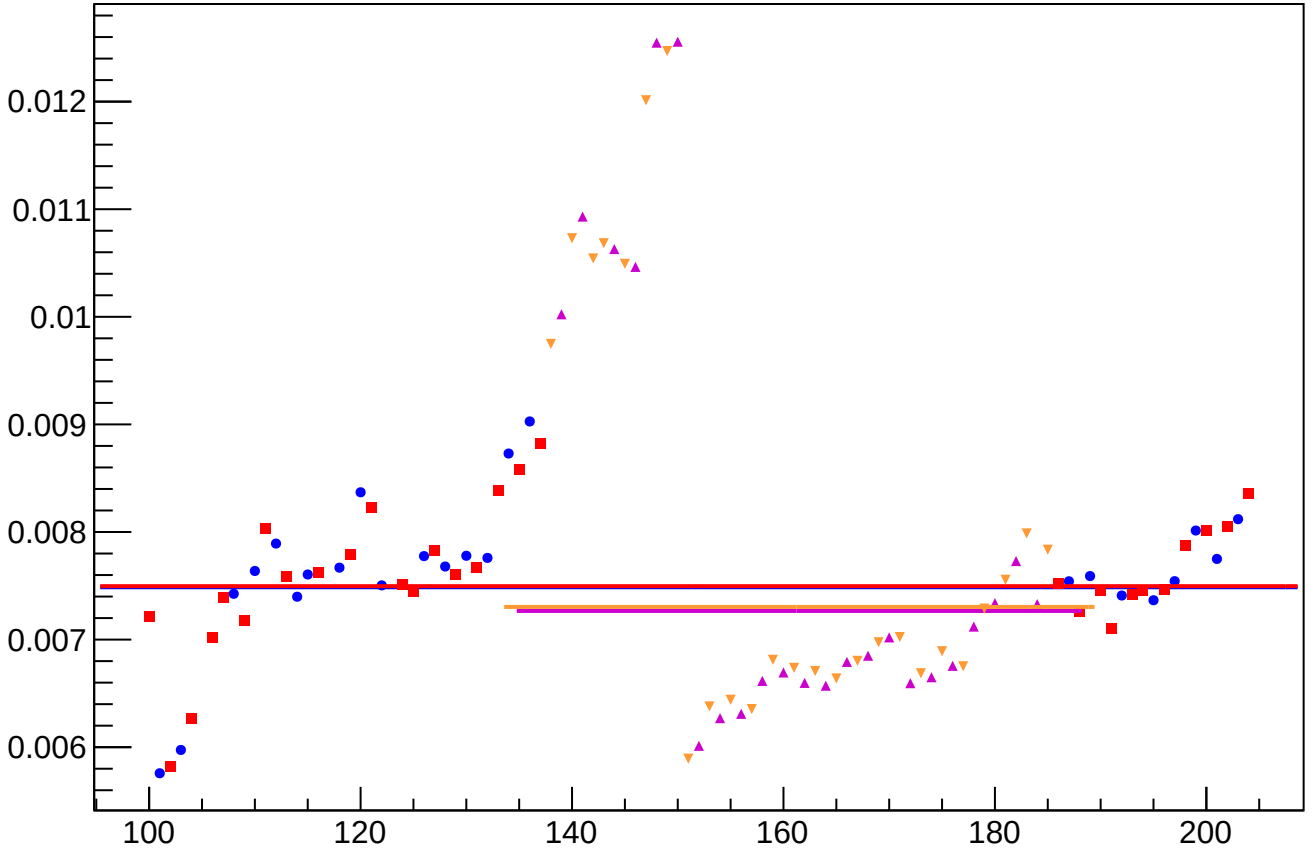
Right: 1.333+/-0.000 χ^2/NDF: 13247150495.0/53

In: -0.110+/-0.000 χ^2/NDF:899183696223.0/46

Out: -0.029+/-0.000 χ^2/NDF:952883331121.0/54

All: -0.068+/-0.000 χ^2/NDF: 1854022638718

yield_bpm1i02Y_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 296965.3/23

Left Out: 0.007+/-0.000 χ^2/NDF:1504103.4/24

Right Out: 0.007+/-0.000 χ^2/NDF: 243927.8/29

Left In: 0.007+/-0.000 χ^2/NDF:1560089.8/22

Left: 0.007+/-0.000 χ^2/NDF: 3064663.5/47

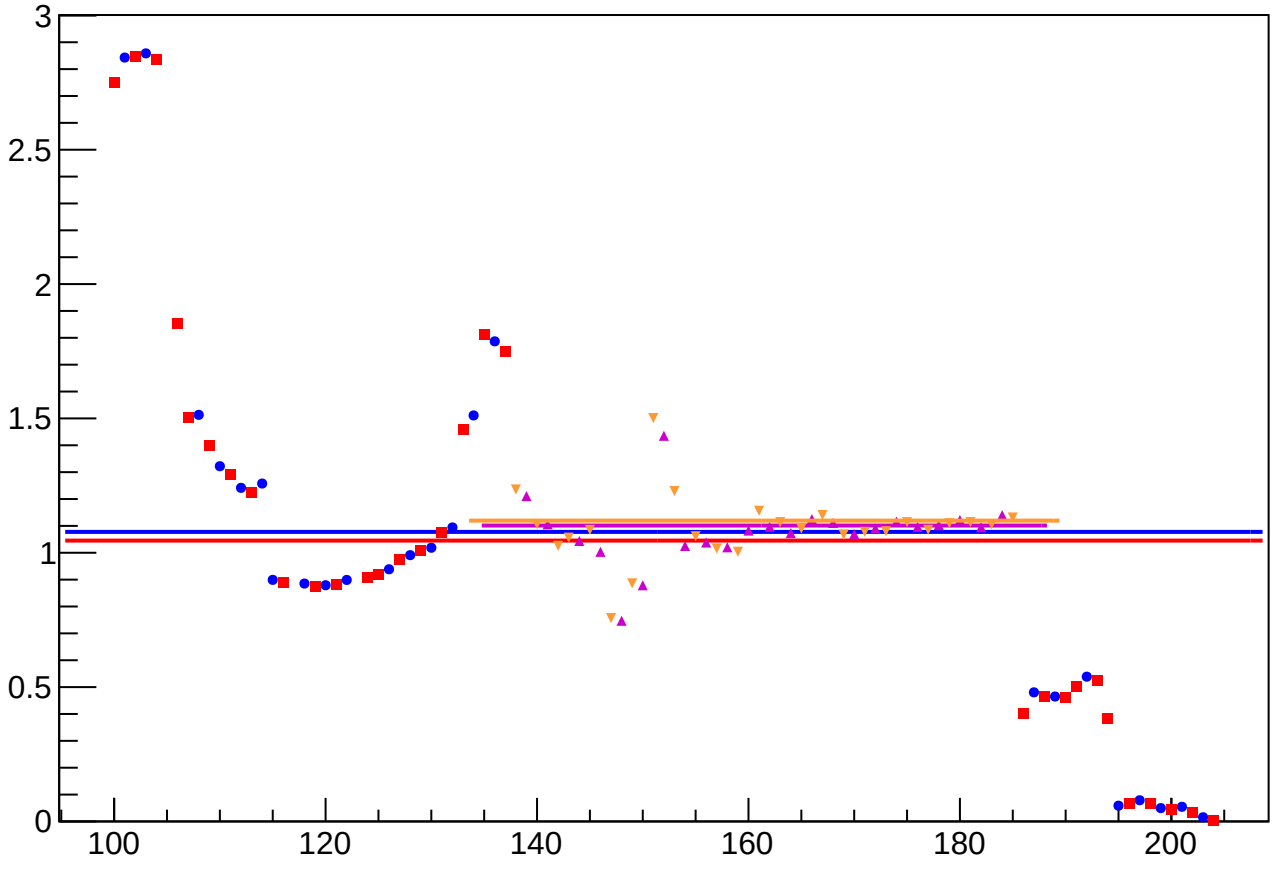
Right: 0.007+/-0.000 χ^2/NDF: 540918.7/53

In: 0.007+/-0.000 χ^2/NDF:1870268.0/46

Out: 0.007+/-0.000 χ^2/NDF:1759369.1/54

All: 0.007+/-0.000 χ^2/NDF: 3630216.6/101

yield_bpm1i04X_mean vs Slug, Sign Corrected



Right In: 1.078+/-0.000 χ^2/NDF: 117978694549.6/23

Left Out: 1.120+/-0.000 χ^2/NDF:5515079117.9/24

Right Out: 1.045+/-0.000 χ^2/NDF: 122735321207.5/29

Left In: 1.101+/-0.000 χ^2/NDF:4201972548.8/22

Left: 1.111+/-0.000 χ^2/NDF: 9774836704.8/47

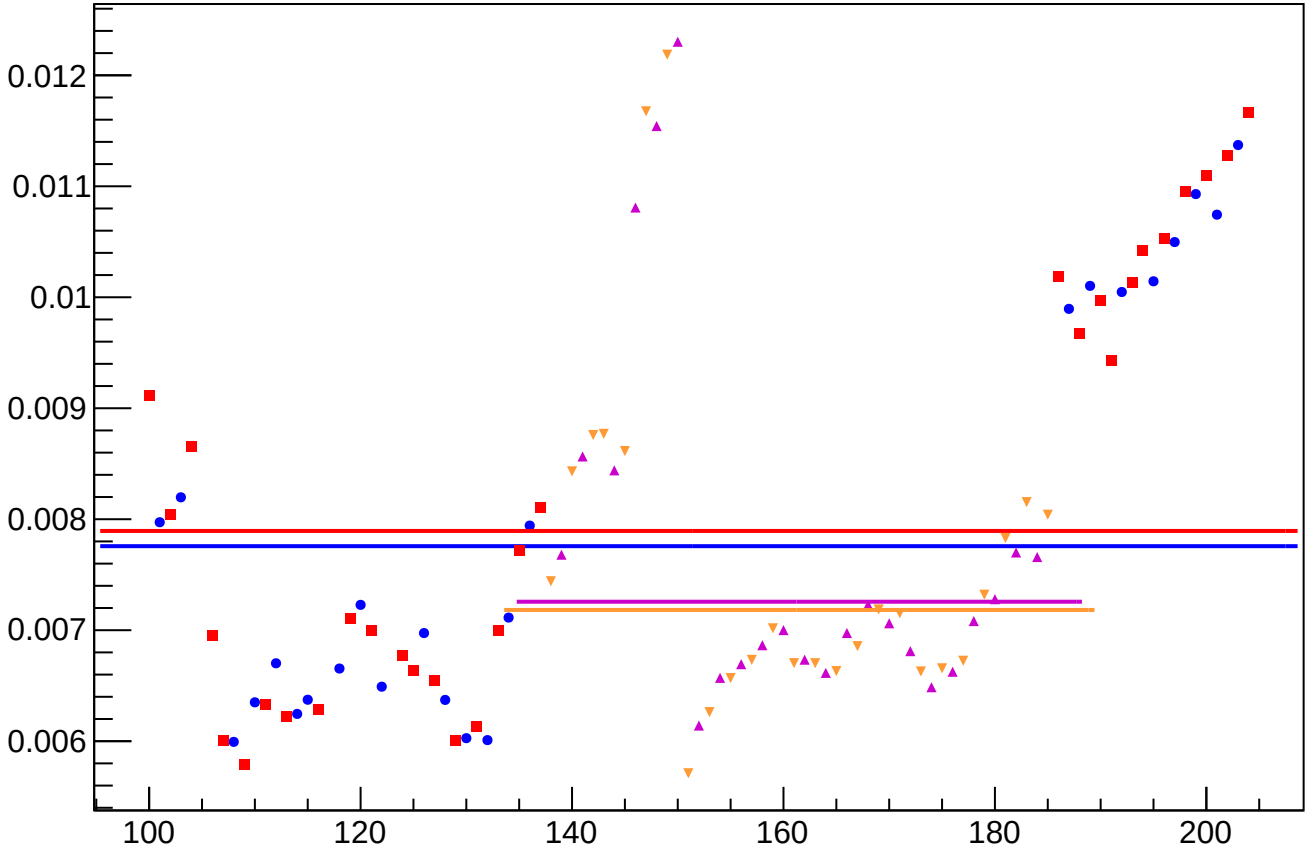
Right: 1.061+/-0.000 χ^2/NDF: 240828816812.3/53

In: 1.092+/-0.000 χ^2/NDF:122252269639.0/46

Out: 1.090+/-0.000 χ^2/NDF:129029751295.2/54

All: 1.091+/-0.000 χ^2/NDF: 251283057747.2

yield_bpm1i04X_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 1286249.1/23

Left Out: 0.007+/-0.000 χ^2/NDF:893807.0/24

Right Out: 0.008+/-0.000 χ^2/NDF: 1685026.2/29

Left In: 0.007+/-0.000 χ^2/NDF:916696.6/22

Left: 0.007+/-0.000 χ^2/NDF: 1812400.5/47

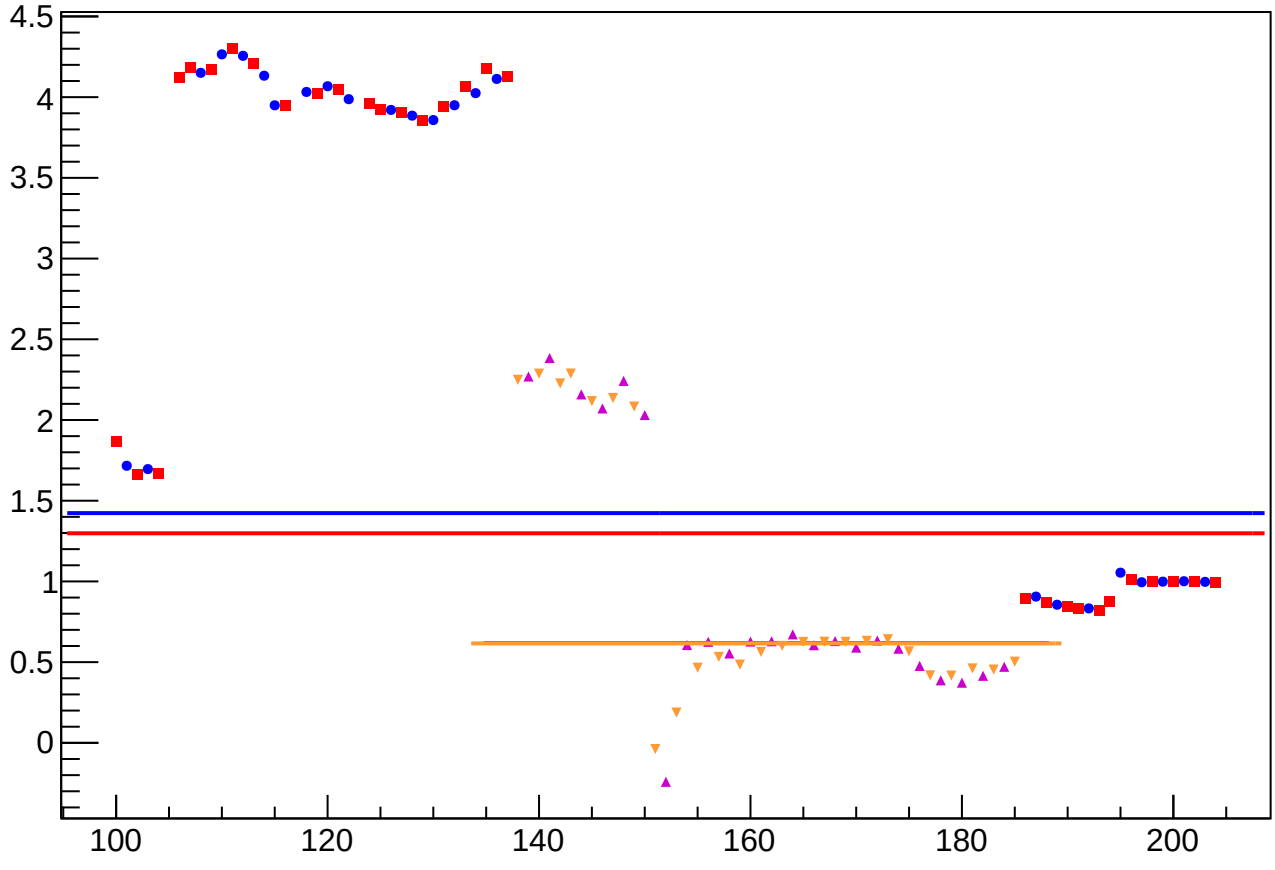
Right: 0.008+/-0.000 χ^2/NDF: 2975411.6/53

In: 0.007+/-0.000 χ^2/NDF:2267009.5/46

Out: 0.007+/-0.000 χ^2/NDF:2721928.4/54

All: 0.007+/-0.000 χ^2/NDF: 4989054.1/101

yield_bpm1i04Y_mean vs Slug, Sign Corrected



Right In: 1.423+/-0.000 χ^2/NDF: 1524457424706.5/23

Left Out: 0.616+/-0.000 χ^2/NDF:251940630795.3/24

Right Out: 1.298+/-0.000 χ^2/NDF: 1739358583949.7/29

Left In: 0.618+/-0.000 χ^2/NDF:254248143278.9/22

Left: 0.617+/-0.000 χ^2/NDF: 506191281472.3/47

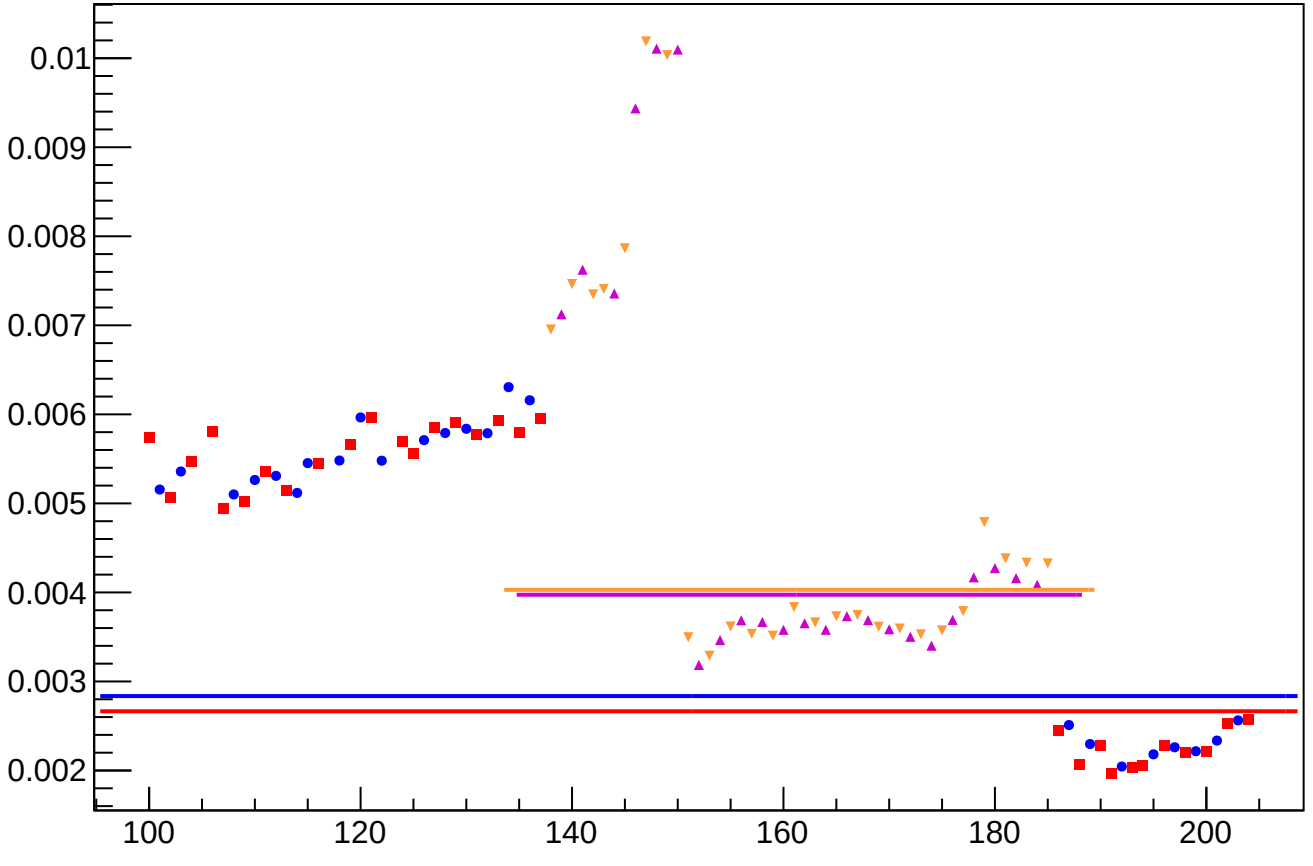
Right: 1.352+/-0.000 χ^2/NDF: 3275499616683.3/53

In: 1.070+/-0.000 χ^2/NDF:2151833684914.3/46

Out: 1.041+/-0.000 χ^2/NDF:2297910490554.7/54

All: 1.054+/-0.000 χ^2/NDF: 4450754998877.

yield_bpm1i04Y_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 4305857.4/23

Left Out: 0.004+/-0.000 χ^2/NDF:2965028.8/24

Right Out: 0.003+/-0.000 χ^2/NDF: 4671129.7/29

Left In: 0.004+/-0.000 χ^2/NDF:3121901.5/22

Left: 0.004+/-0.000 χ^2/NDF: 6090115.0/47

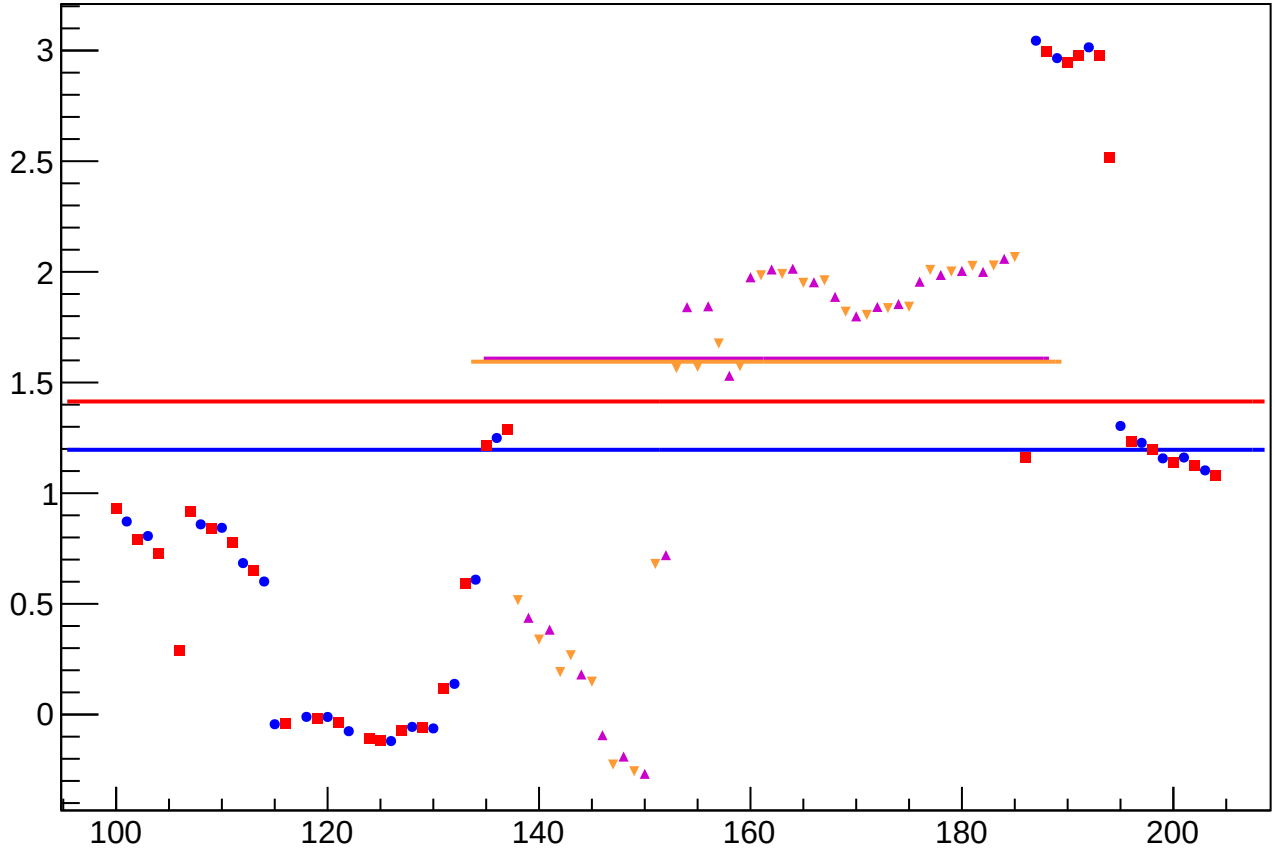
Right: 0.003+/-0.000 χ^2/NDF: 9020802.0/53

In: 0.003+/-0.000 χ^2/NDF:8919322.8/46

Out: 0.003+/-0.000 χ^2/NDF:10088027.0/54

All: 0.003+/-0.000 χ^2/NDF: 19070395.0/101

yield_bpm1i06X_mean vs Slug, Sign Corrected



Right In: 1.196+/-0.000 χ^2/NDF: 77527052546.0/23

Left Out: 1.594+/-0.000 χ^2/NDF:62632055963.2/24

Right Out: 1.414+/-0.000 χ^2/NDF: 104902343913.1/29

Left In: 1.608+/-0.000 χ^2/NDF:66403809503.4/22

Left: 1.601+/-0.000 χ^2/NDF: 129051467837.0/47

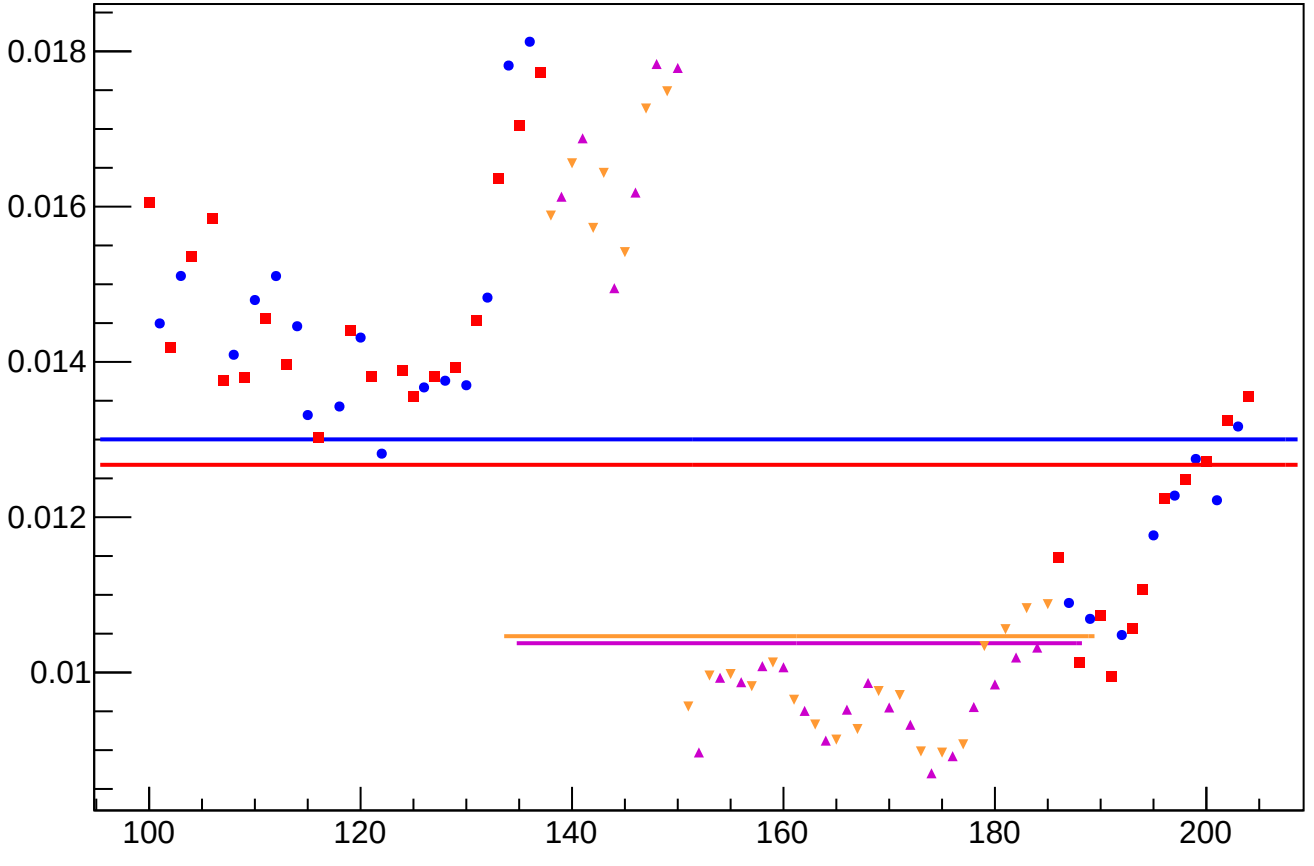
Right: 1.316+/-0.000 χ^2/NDF: 184414731024.0/53

In: 1.476+/-0.000 χ^2/NDF:152668305827.4/46

Out: 1.530+/-0.000 χ^2/NDF:169461644326.5/54

All: 1.504+/-0.000 χ^2/NDF: 322491039075.9

yield_bpm1i06X_rms vs Slug, Sign Corrected



Right In: 0.013+/-0.000 χ^2/NDF: 501944.0/23

Left Out: 0.010+/-0.000 χ^2/NDF:1661211.8/24

Right Out: 0.013+/-0.000 χ^2/NDF: 600957.0/29

Left In: 0.010+/-0.000 χ^2/NDF:1710541.0/22

Left: 0.010+/-0.000 χ^2/NDF: 3373093.6/47

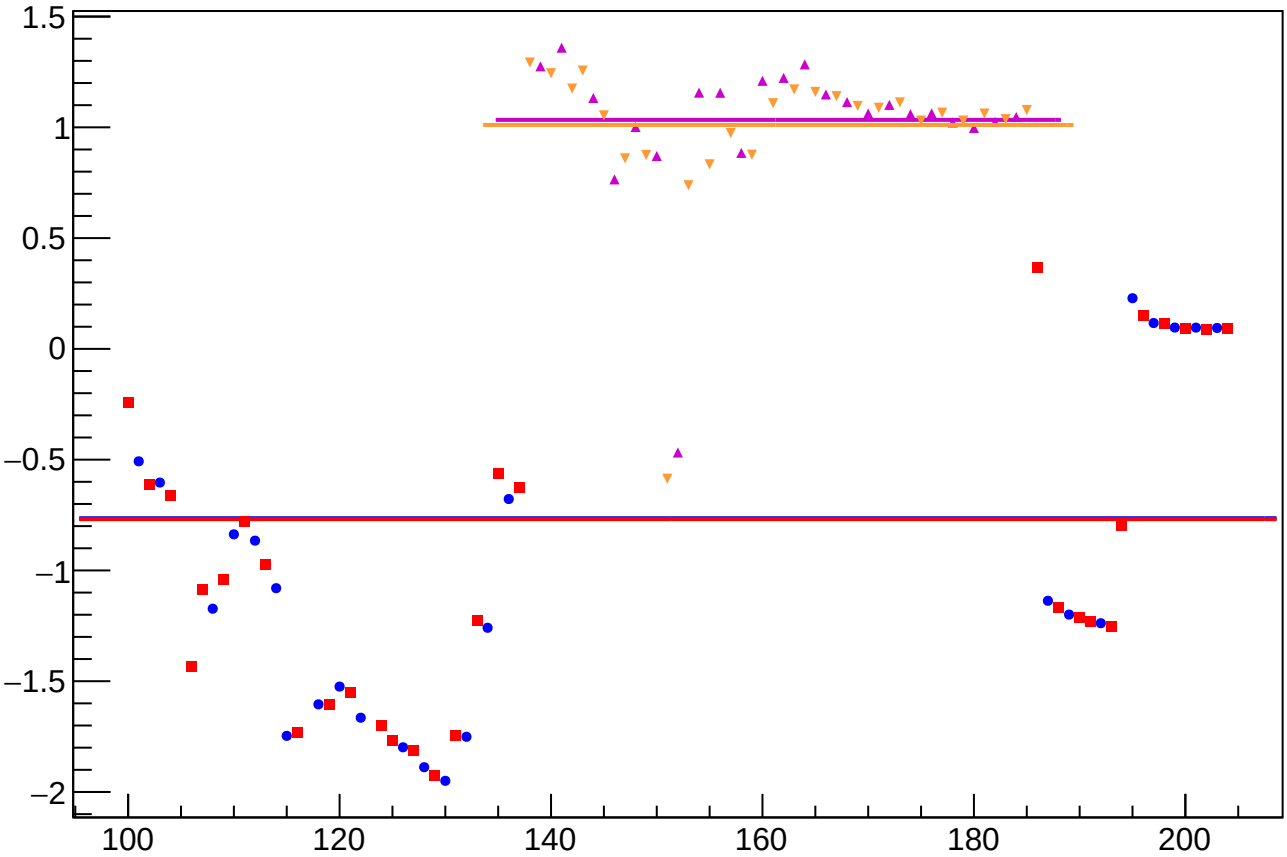
Right: 0.013+/-0.000 χ^2/NDF: 1111852.4/53

In: 0.011+/-0.000 χ^2/NDF:2922318.8/46

Out: 0.011+/-0.000 χ^2/NDF:2842501.7/54

All: 0.011+/-0.000 χ^2/NDF: 5765156.7/101

yield_bpm1i06Y_mean vs Slug, Sign Corrected



Right In: -0.764+/-0.000 χ^2/NDF: 160201955858.0/23

Left Out: 1.011+/-0.000 χ^2/NDF:111188616245.0/24

Right Out: -0.769+/-0.000 χ^2/NDF: 156638357846.6/29

Left In: 1.034+/-0.000 χ^2/NDF:125385050389.9/22

Left: 1.022+/-0.000 χ^2/NDF: 236930467589.7/47

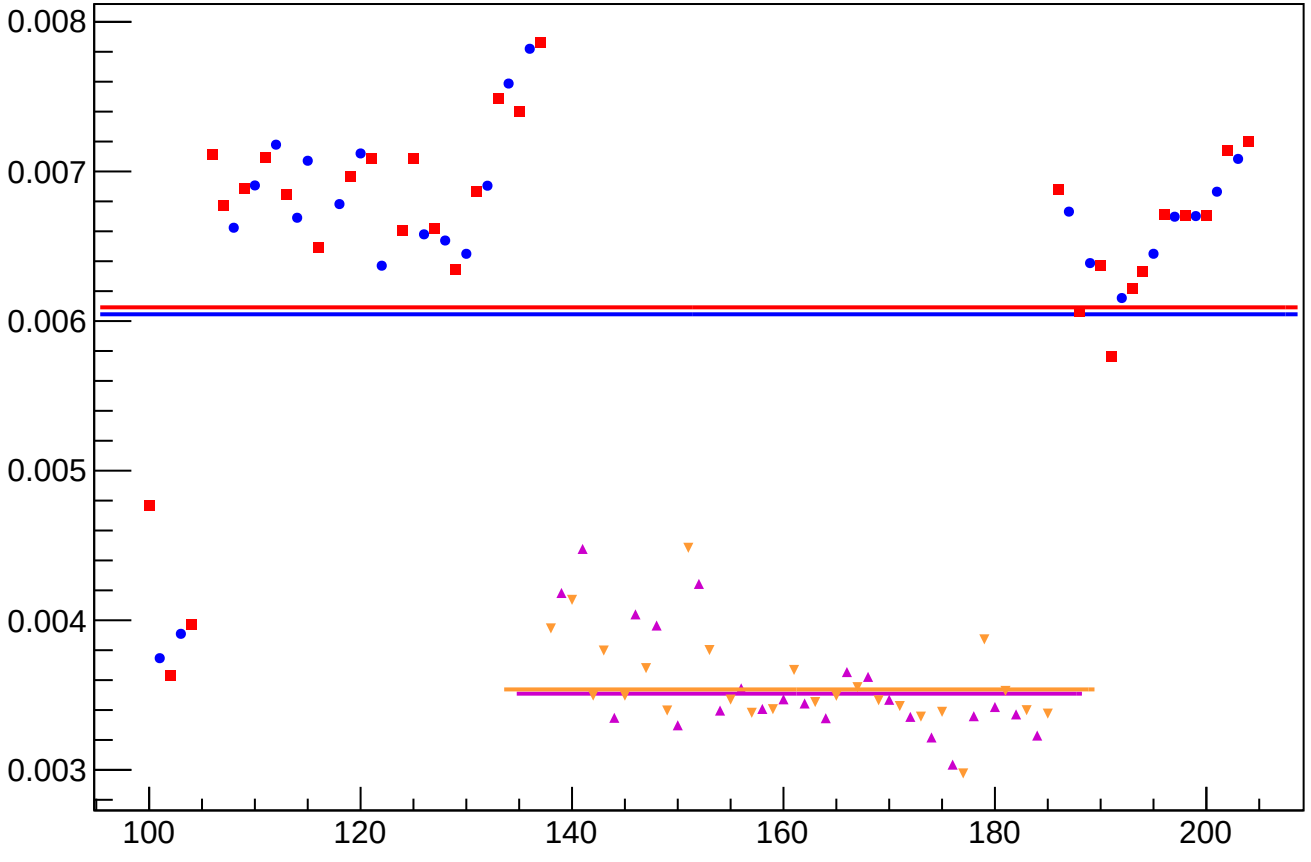
Right: -0.767+/-0.000 χ^2/NDF: 316843340864.3/53

In: 0.681+/-0.000 χ^2/NDF:1139961840817.3/46

Out: 0.634+/-0.000 χ^2/NDF:1210897159434.0/54

All: 0.656+/-0.000 χ^2/NDF: 2352747037024.

yield_bpm1i06Y_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 1102835.6/23

Left Out: 0.004+/-0.000 χ^2/NDF:215725.1/24

Right Out: 0.006+/-0.000 χ^2/NDF: 1182100.0/29

Left In: 0.004+/-0.000 χ^2/NDF:284960.7/22

Left: 0.004+/-0.000 χ^2/NDF: 501791.4/47

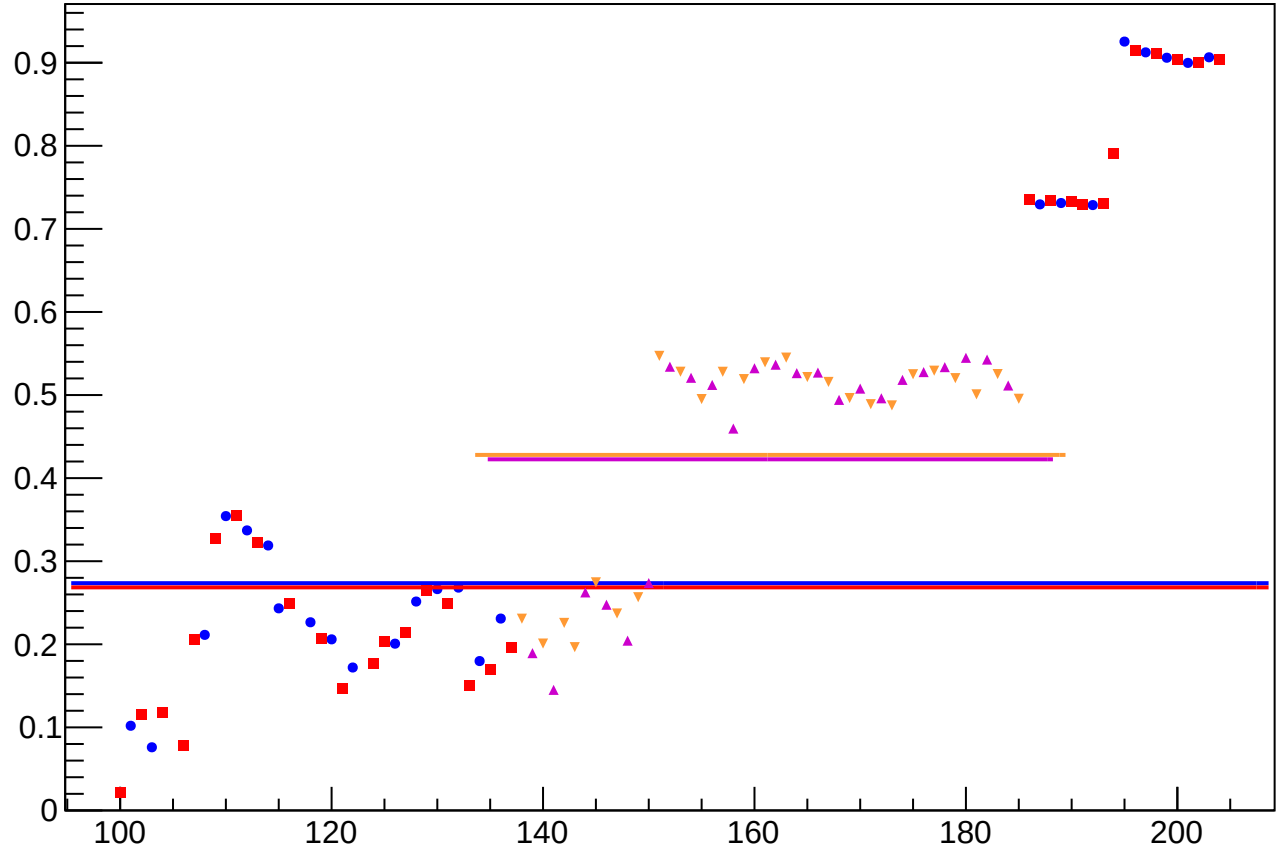
Right: 0.006+/-0.000 χ^2/NDF: 2285696.5/53

In: 0.004+/-0.000 χ^2/NDF:4786535.3/46

Out: 0.004+/-0.000 χ^2/NDF:5283428.2/54

All: 0.004+/-0.000 χ^2/NDF: 10078815.0/101

yield_bpm2i01X_mean vs Slug, Sign Corrected



Right In: 0.274+/-0.000 χ^2/NDF: 139342637539.4/23

Left Out: 0.428+/-0.000 χ^2/NDF:153820853539.2/24

Right Out: 0.269+/-0.000 χ^2/NDF: 175991344307.0/29

Left In: 0.423+/-0.000 χ^2/NDF:158122093061.2/22

Left: 0.425+/-0.000 χ^2/NDF: 312056221639.2/47

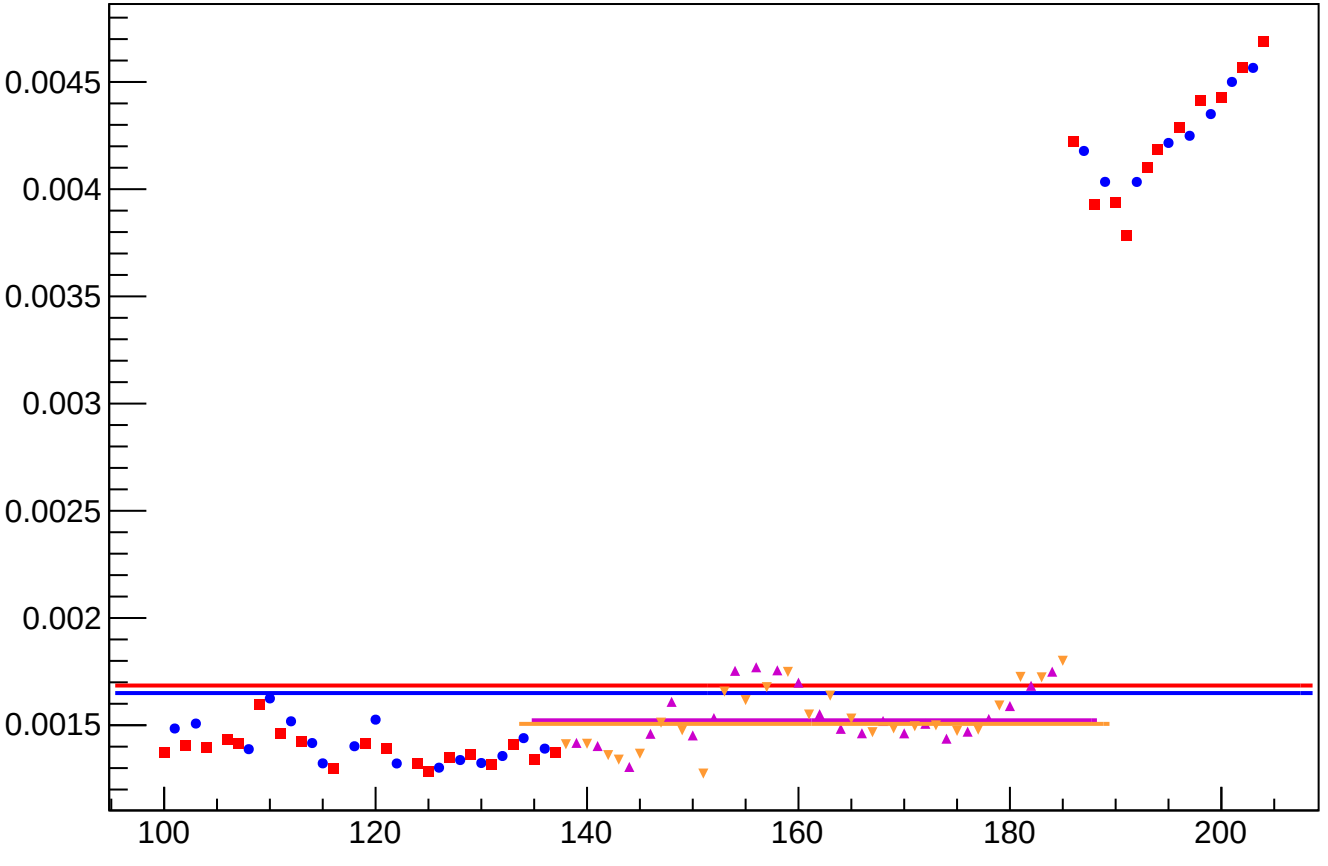
Right: 0.271+/-0.000 χ^2/NDF: 315385377109.9/53

In: 0.373+/-0.000 χ^2/NDF:354483526911.3/46

Out: 0.375+/-0.000 χ^2/NDF:401311342262.8/54

All: 0.374+/-0.000 χ^2/NDF: 755804221217.1

yield_bpm2i01X_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 4964236.2/23

Left Out: 0.002+/-0.000 χ^2/NDF:278895.8/24

Right Out: 0.002+/-0.000 χ^2/NDF: 6504214.5/29

Left In: 0.002+/-0.000 χ^2/NDF:234679.9/22

Left: 0.002+/-0.000 χ^2/NDF: 515814.5/47

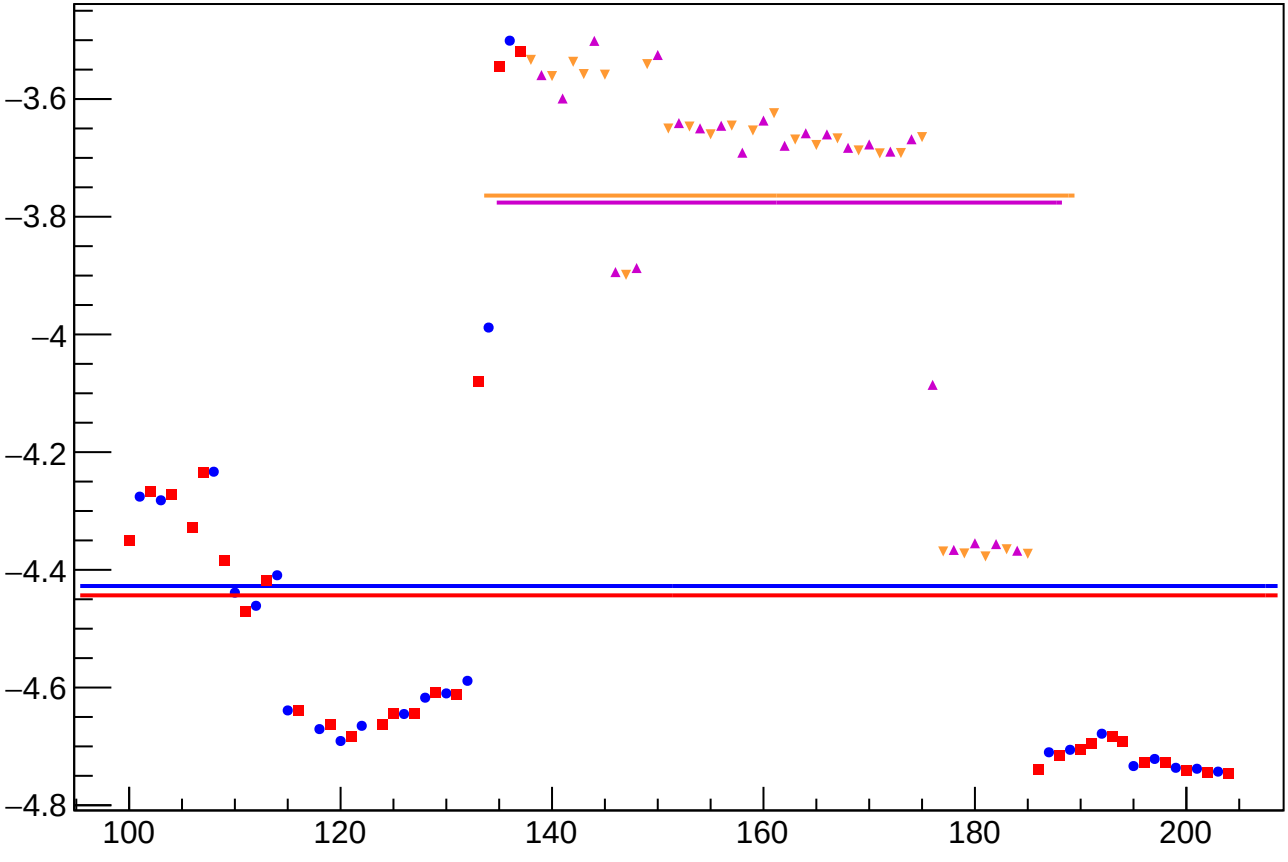
Right: 0.002+/-0.000 χ^2/NDF: 11473430.5/53

In: 0.002+/-0.000 χ^2/NDF:5281695.1/46

Out: 0.002+/-0.000 χ^2/NDF:6963080.9/54

All: 0.002+/-0.000 χ^2/NDF: 12244793.6/101

yield_bpm2i01Y_mean vs Slug, Sign Corrected



Right In: -4.427+/-0.000 χ^2/NDF: 410079497713.7/23

Left Out: -3.764+/-0.000 χ^2/NDF:483461311370.8/24

Right Out: -4.443+/-0.000 χ^2/NDF: 367200980957.5/29

Left In: -3.776+/-0.000 χ^2/NDF:402659987166.3/22

Left: -3.770+/-0.000 χ^2/NDF: 886556013091.1/47

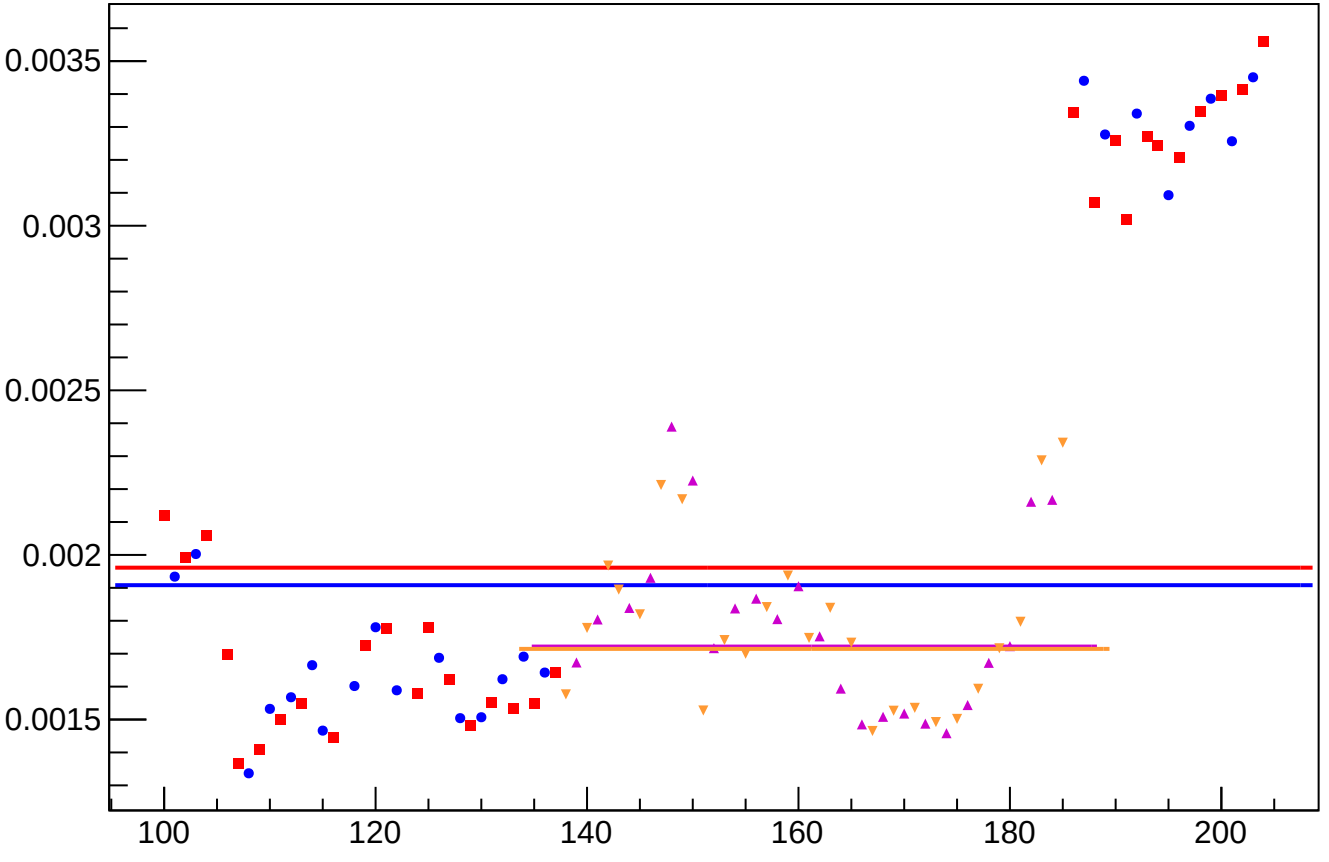
Right: -4.436+/-0.000 χ^2/NDF: 777698096731.6/53

In: -4.002+/-0.000 χ^2/NDF:1687625505619.8/46

Out: -4.005+/-0.000 χ^2/NDF:1884774028504.2/54

All: -4.004+/-0.000 χ^2/NDF: 3572437851839

yield_bpm2i01Y_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 2686972.2/23

Left Out: 0.002+/-0.000 χ^2/NDF:562338.1/24

Right Out: 0.002+/-0.000 χ^2/NDF: 3461359.6/29

Left In: 0.002+/-0.000 χ^2/NDF:581878.6/22

Left: 0.002+/-0.000 χ^2/NDF: 1144519.8/47

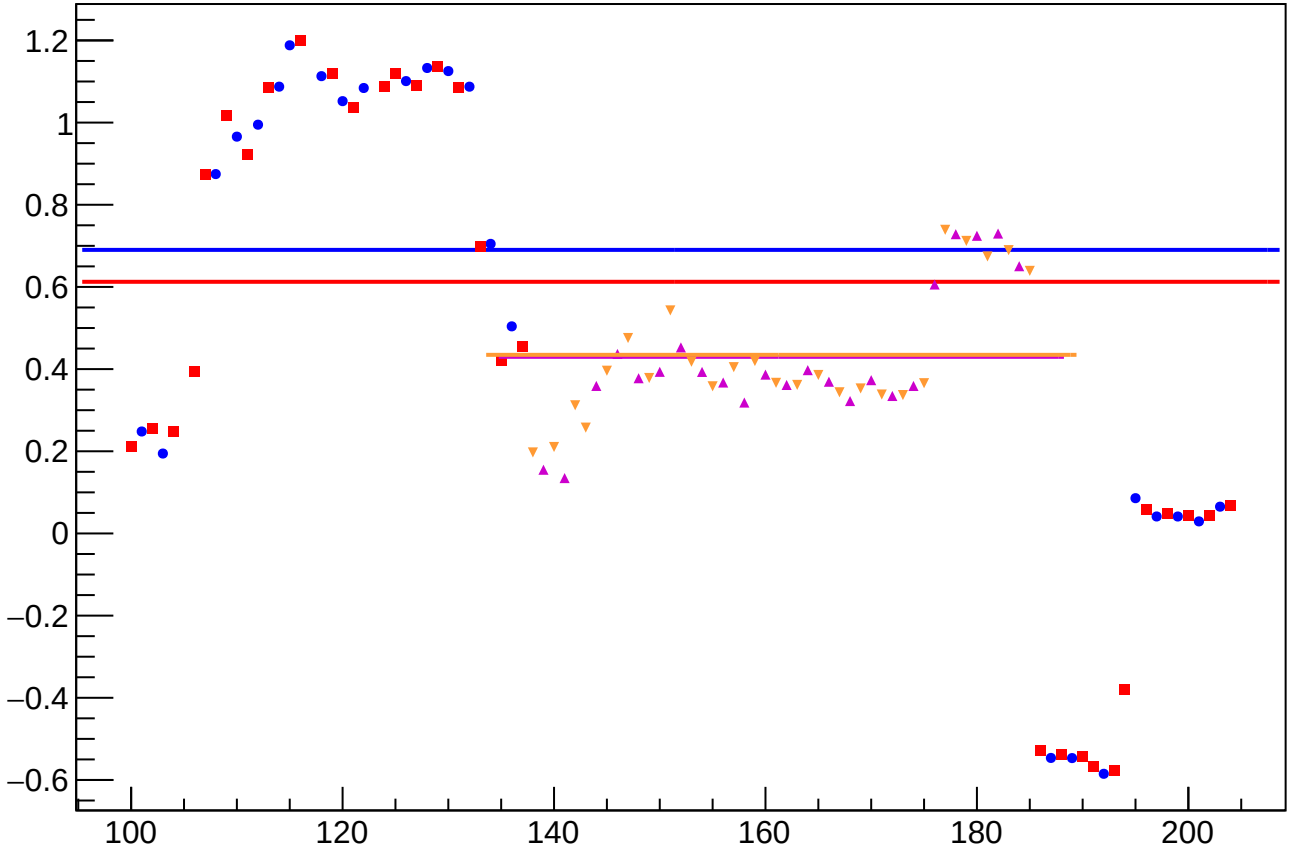
Right: 0.002+/-0.000 χ^2/NDF: 6157693.0/53

In: 0.002+/-0.000 χ^2/NDF:3412200.8/46

Out: 0.002+/-0.000 χ^2/NDF:4296464.1/54

All: 0.002+/-0.000 χ^2/NDF: 7711002.7/101

yield_bpm2i02X_mean vs Slug, Sign Corrected



Right In: 0.690+/-0.000 χ^2/NDF: 61781434721.7/23

Left Out: 0.435+/-0.000 χ^2/NDF:8515333254.7/24

Right Out: 0.613+/-0.000 χ^2/NDF: 84973669292.5/29

Left In: 0.430+/-0.000 χ^2/NDF:9041195997.1/22

Left: 0.432+/-0.000 χ^2/NDF: 17560906918.4/47

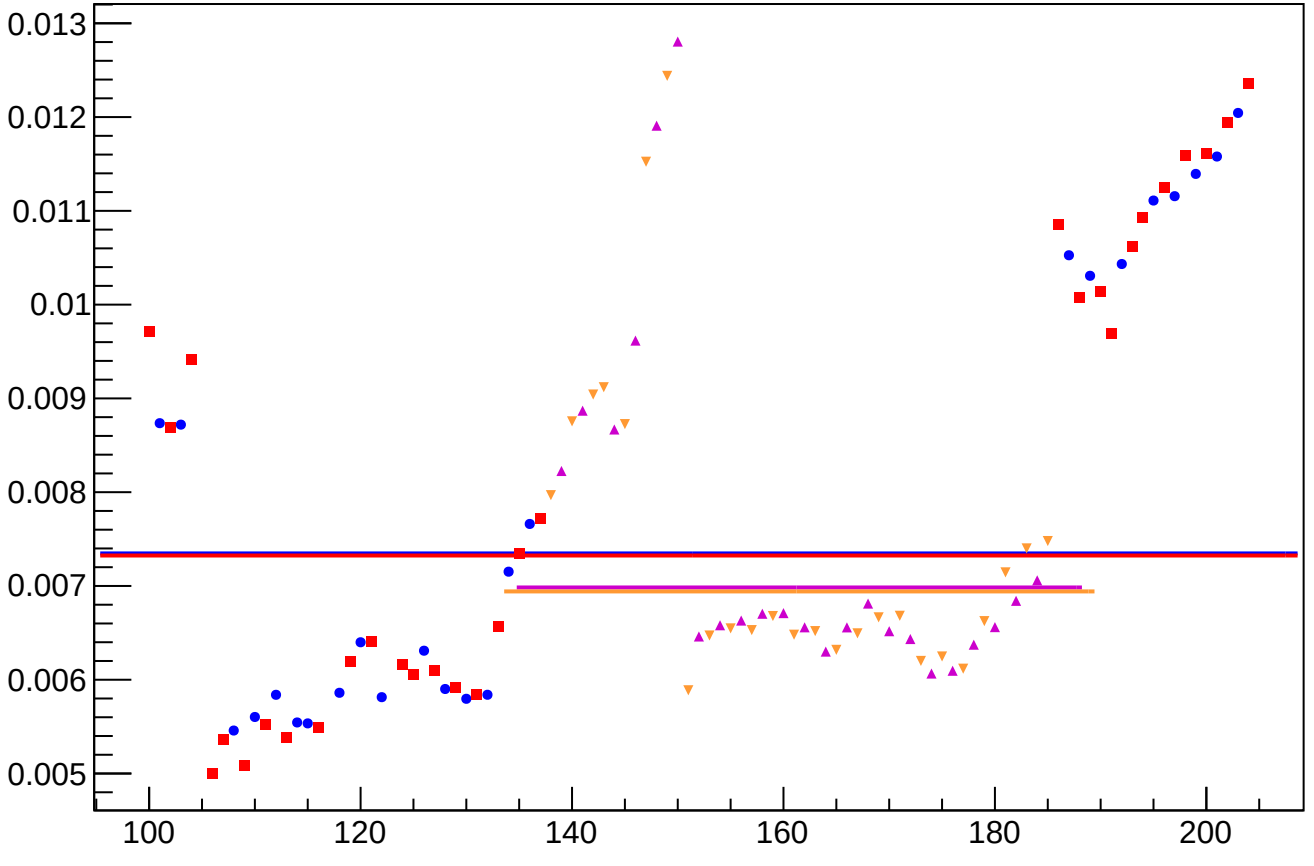
Right: 0.648+/-0.000 χ^2/NDF: 147480769192.9/53

In: 0.529+/-0.000 χ^2/NDF:80199266895.4/46

Out: 0.506+/-0.000 χ^2/NDF:98405081468.8/54

All: 0.517+/-0.000 χ^2/NDF: 178771661390.4

yield_bpm2i02X_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 2100529.6/23

Left Out: 0.007+/-0.000 χ^2/NDF:1090916.4/24

Right Out: 0.007+/-0.000 χ^2/NDF: 2902168.7/29

Left In: 0.007+/-0.000 χ^2/NDF:1136529.0/22

Left: 0.007+/-0.000 χ^2/NDF: 2228107.8/47

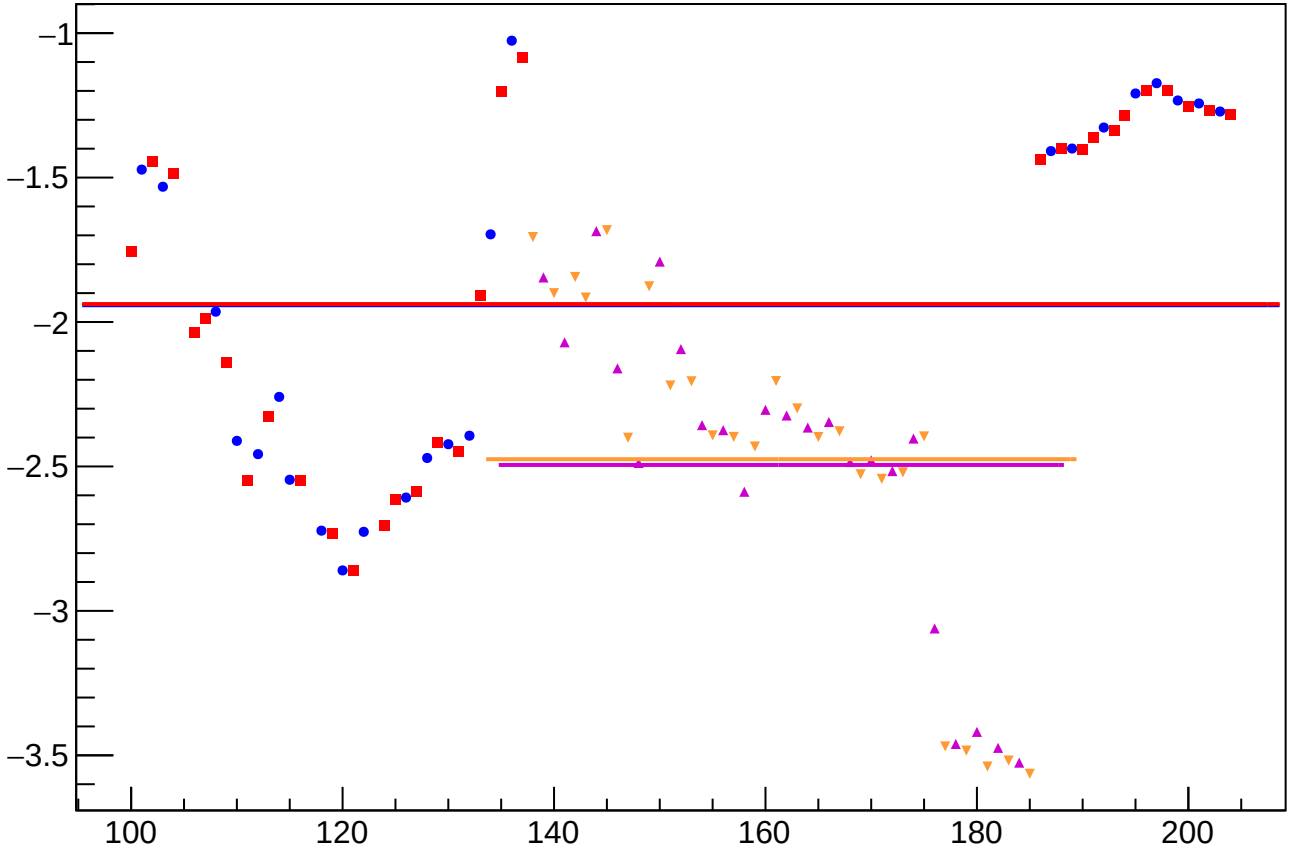
Right: 0.007+/-0.000 χ^2/NDF: 5002816.0/53

In: 0.007+/-0.000 χ^2/NDF:3273550.0/46

Out: 0.007+/-0.000 χ^2/NDF:4038724.2/54

All: 0.007+/-0.000 χ^2/NDF: 7312728.3/101

yield_bpm2i02Y_mean vs Slug, Sign Corrected



Right In: -1.942+/-0.000 χ^2/NDF: 101888605730.9/23

Left Out: -2.475+/-0.000 χ^2/NDF:122955897541.5/24

Right Out: -1.938+/-0.000 χ^2/NDF: 102568625186.0/29

Left In: -2.495+/-0.000 χ^2/NDF:96774638297.6/22

Left: -2.485+/-0.000 χ^2/NDF: 219817663018.7/47

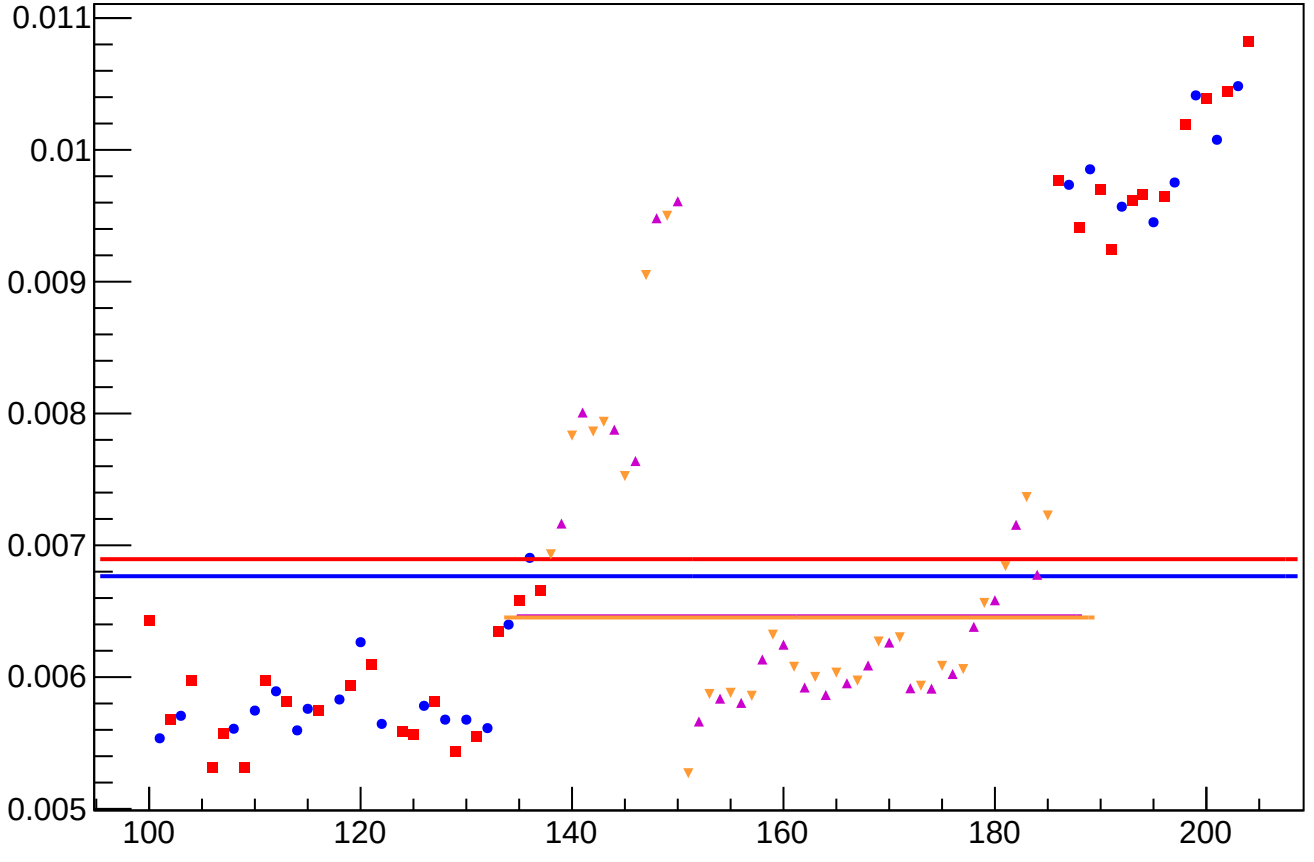
Right: -1.940+/-0.000 χ^2/NDF: 204459474432.0/53

In: -2.281+/-0.000 χ^2/NDF:249363271741.2/46

Out: -2.261+/-0.000 χ^2/NDF:277874934379.9/54

All: -2.270+/-0.000 χ^2/NDF: 527393369133.9

yield_bpm2i02Y_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 1621807.5/23

Left Out: 0.006+/-0.000 χ^2/NDF:713238.0/24

Right Out: 0.007+/-0.000 χ^2/NDF: 2102328.1/29

Left In: 0.006+/-0.000 χ^2/NDF:720640.7/22

Left: 0.006+/-0.000 χ^2/NDF: 1433914.6/47

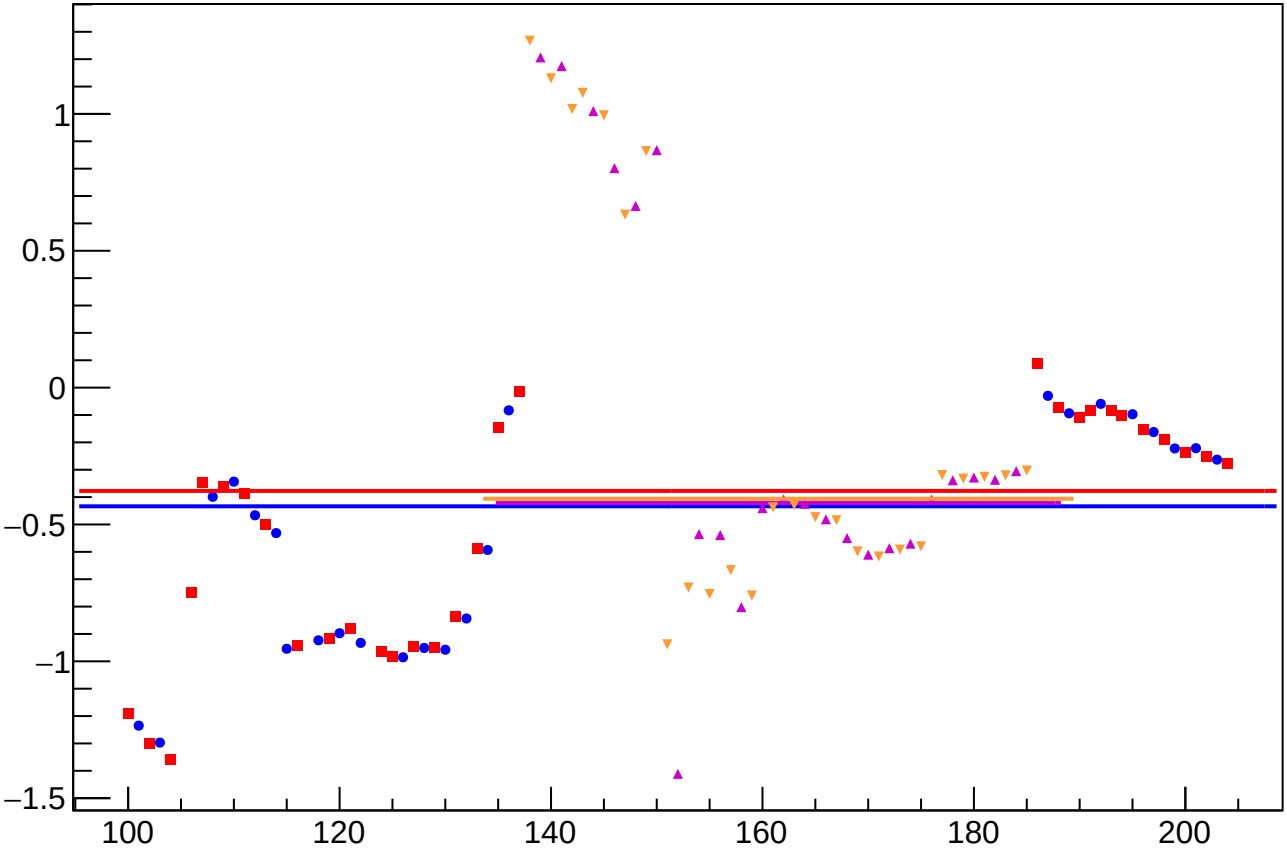
Right: 0.007+/-0.000 χ^2/NDF: 3728903.0/53

In: 0.007+/-0.000 χ^2/NDF:2373128.4/46

Out: 0.007+/-0.000 χ^2/NDF:2886628.7/54

All: 0.007+/-0.000 χ^2/NDF: 5261583.4/101

yield_bpm0i01X_mean vs Slug, Sign Corrected



Right In: -0.434+/-0.000 χ^2/NDF: 23682325569.1/23

Left Out: -0.406+/-0.000 χ^2/NDF:81633647828.2/24

Right Out: -0.377+/-0.000 χ^2/NDF: 26976115238.7/29

Left In: -0.421+/-0.000 χ^2/NDF:90241717621.7/22

Left: -0.413+/-0.000 χ^2/NDF: 171915637988.1/47

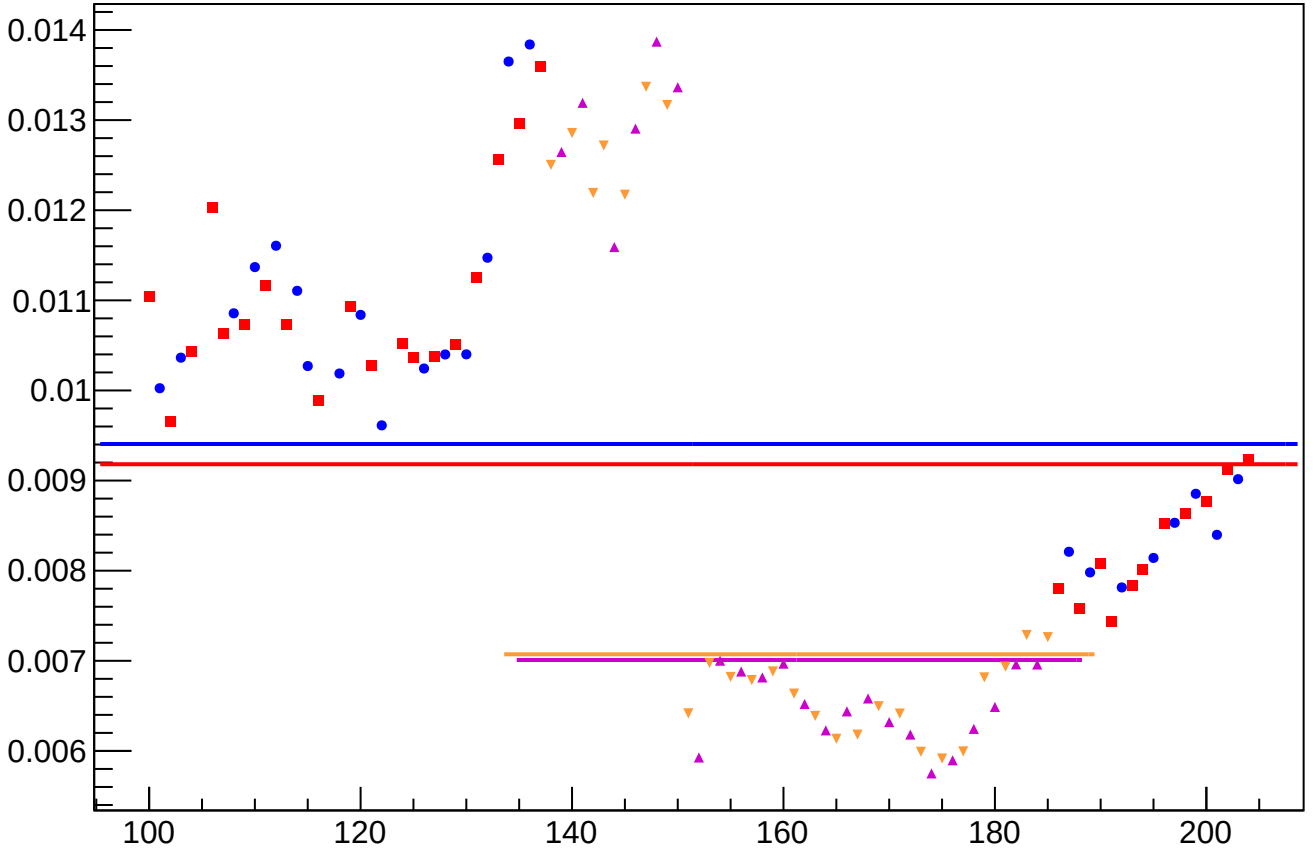
Right: -0.403+/-0.000 χ^2/NDF: 50907527982.1/53

In: -0.425+/-0.000 χ^2/NDF:113939626022.2/46

Out: -0.397+/-0.000 χ^2/NDF:108705707824.9/54

All: -0.410+/-0.000 χ^2/NDF: 222848478078.

yield_bpm0i01X_rms vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 625235.2/23

Left Out: 0.007+/-0.000 χ^2/NDF:2384159.5/24

Right Out: 0.009+/-0.000 χ^2/NDF: 675256.8/29

Left In: 0.007+/-0.000 χ^2/NDF:2456348.6/22

Left: 0.007+/-0.000 χ^2/NDF: 4841897.1/47

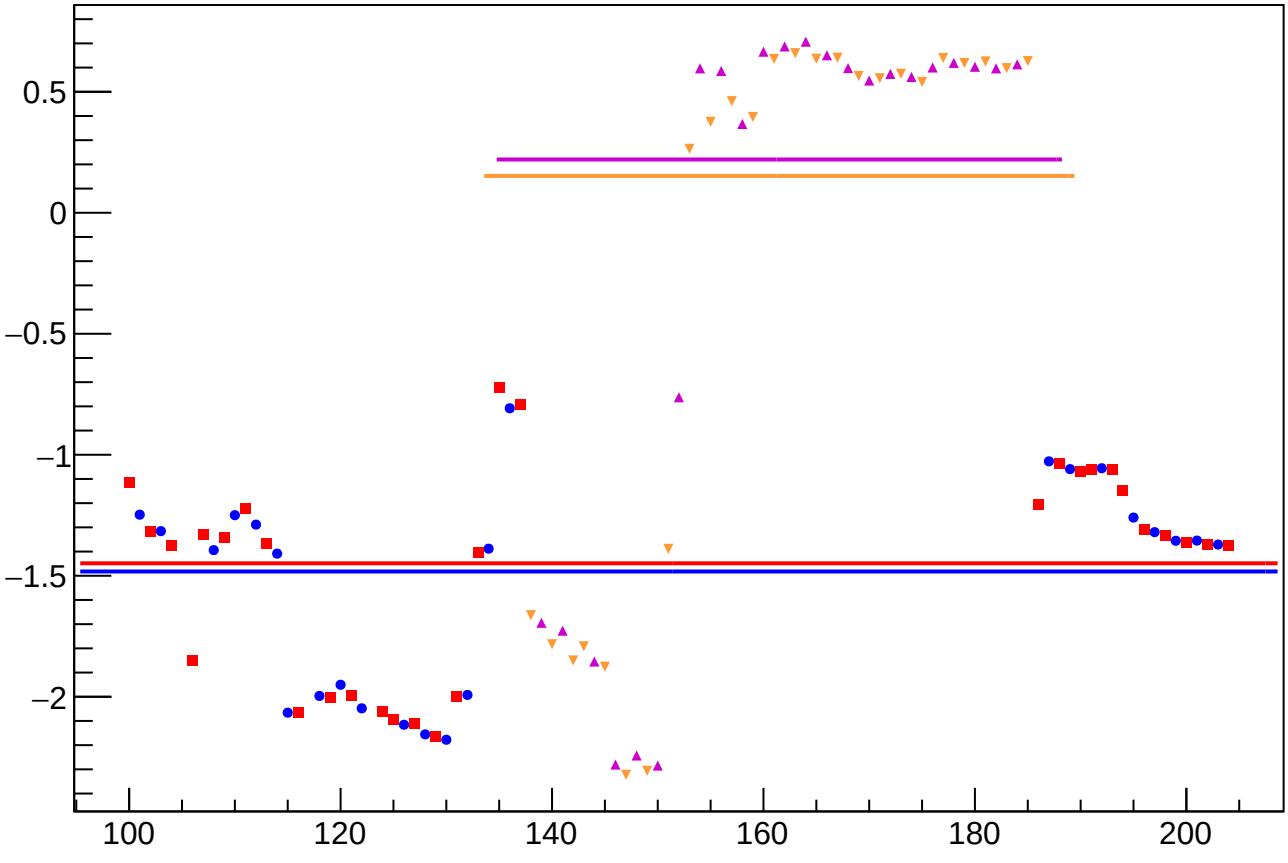
Right: 0.009+/-0.000 χ^2/NDF: 1308426.6/53

In: 0.008+/-0.000 χ^2/NDF:4240257.2/46

Out: 0.008+/-0.000 χ^2/NDF:4103708.1/54

All: 0.008+/-0.000 χ^2/NDF: 8345316.7/101

yield_bpm0i01Y_mean vs Slug, Sign Corrected



Right In: -1.482+/-0.000 χ^2/NDF: 182327972049.3/23

Left Out: 0.152+/-0.000 χ^2/NDF:2398778835341.2/24

Right Out: -1.449+/-0.000 χ^2/NDF: 172023048373.1/29

Left In: 0.220+/-0.000 χ^2/NDF:2121977245985.6/22

Left: 0.185+/-0.000 χ^2/NDF: 4527353258188.4/47

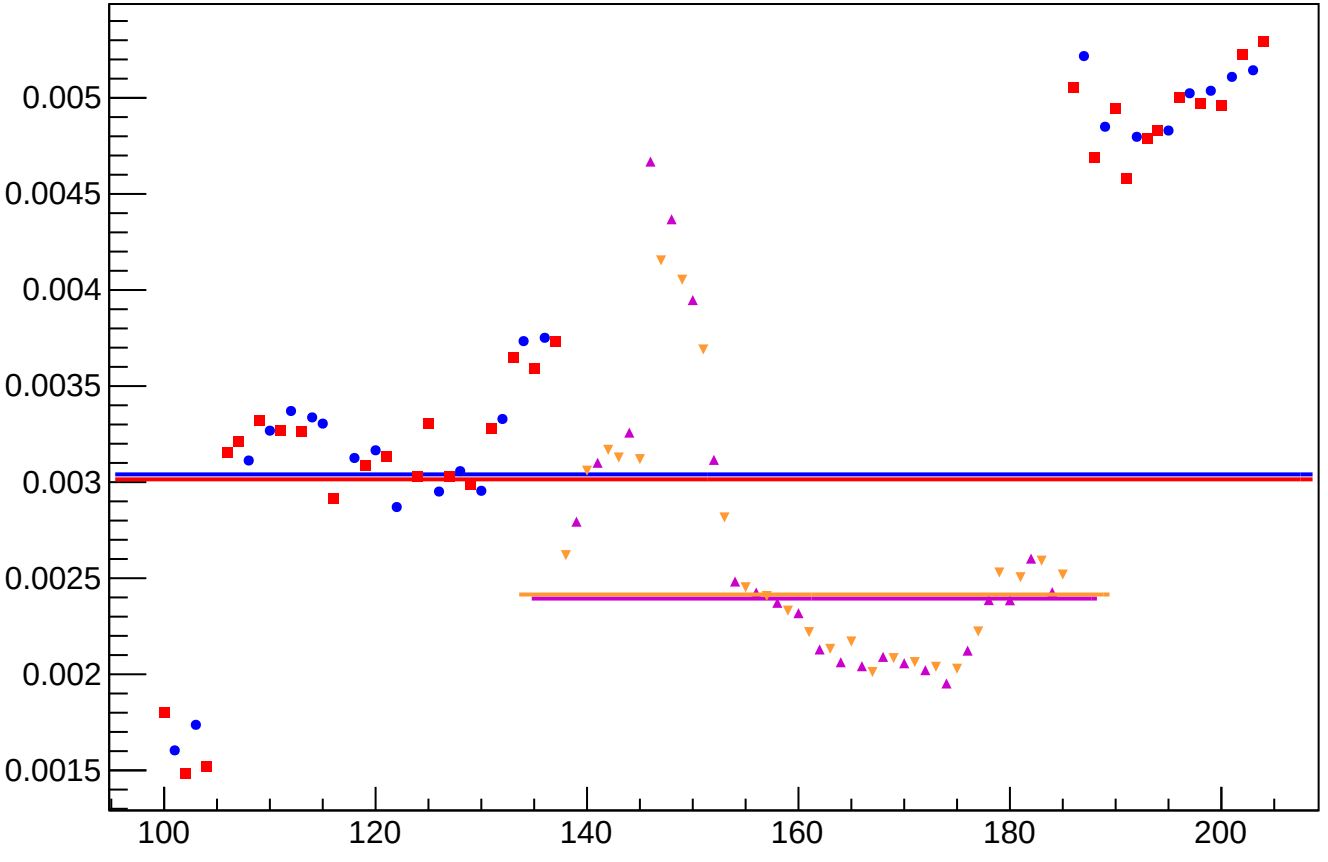
Right: -1.464+/-0.000 χ^2/NDF: 355062300161.4/53

In: -0.281+/-0.000 χ^2/NDF:4682048820811.0/46

Out: -0.349+/-0.000 χ^2/NDF:4918774405965.8/54

All: -0.316+/-0.000 χ^2/NDF: 9610386129493

yield_bpm0i01Y_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 3365967.6/23

Left Out: 0.002+/-0.000 χ^2/NDF:1220406.4/24

Right Out: 0.003+/-0.000 χ^2/NDF: 4662164.5/29

Left In: 0.002+/-0.000 χ^2/NDF:1409595.4/22

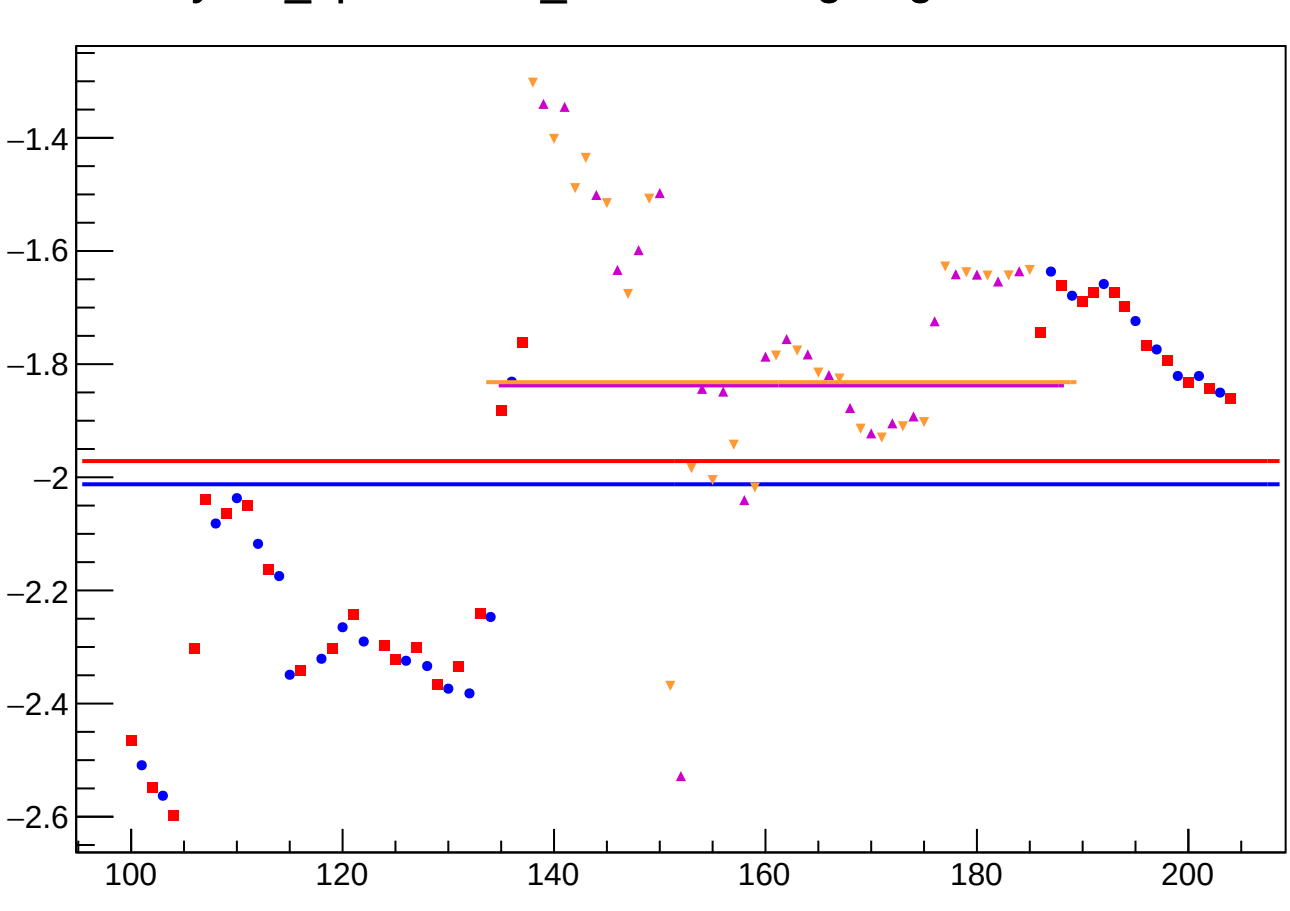
Left: 0.002+/-0.000 χ^2/NDF: 2631272.1/47

Right: 0.003+/-0.000 χ^2/NDF: 8028960.9/53

In: 0.003+/-0.000 χ^2/NDF:5460910.3/46

Out: 0.003+/-0.000 χ^2/NDF:6541040.8/54

All: 0.003+/-0.000 χ^2/NDF: 12003373.5/101



Right In: -2.012+/-0.000 χ^2/NDF: 32111267054.9/23

Left Out: -1.832+/-0.000 χ^2/NDF:38365576589.1/24

Right Out: -1.971+/-0.000 χ^2/NDF: 37106113024.3/29

Left In: -1.838+/-0.000 χ^2/NDF:53437434367.2/22

Left: -1.835+/-0.000 χ^2/NDF: 91818701563.9/47

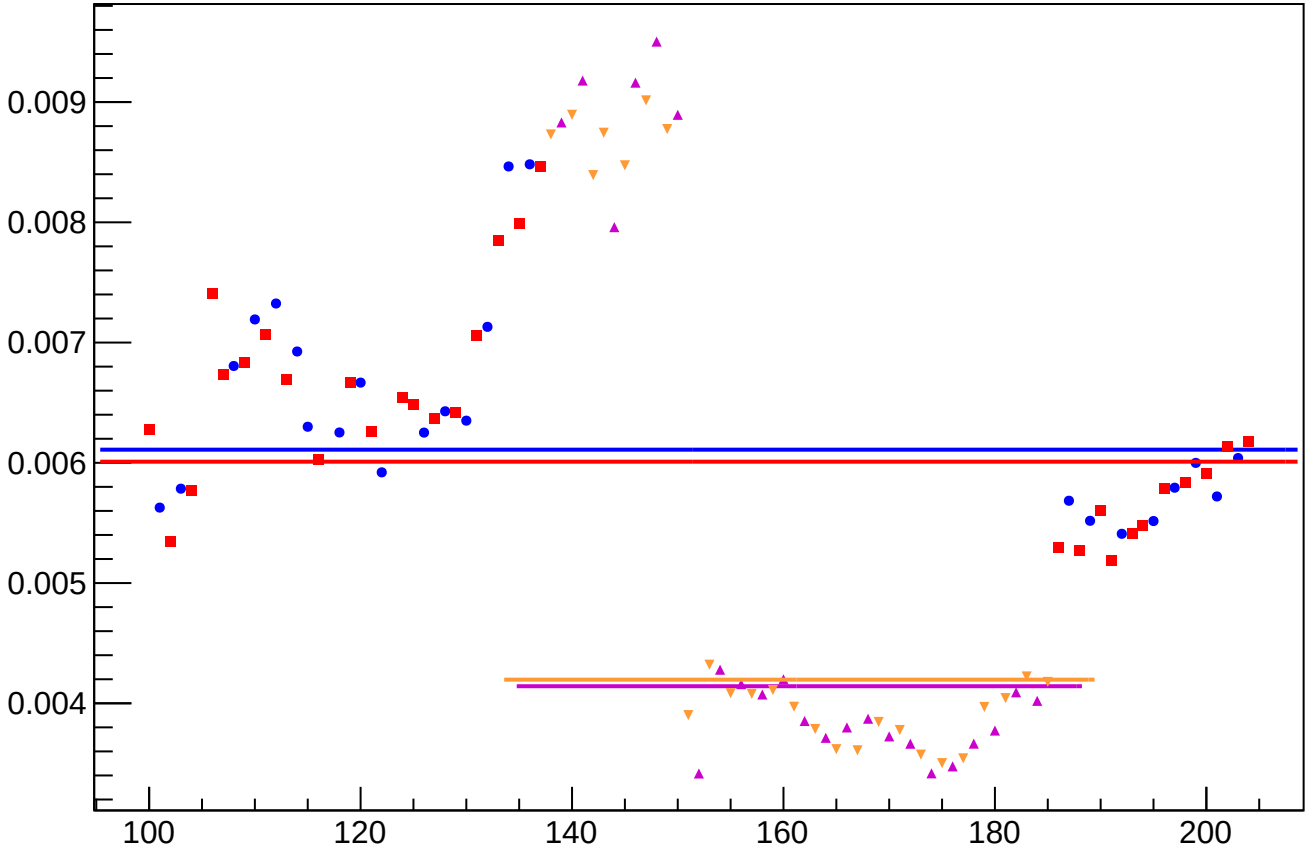
Right: -1.990+/-0.000 χ^2/NDF: 69530255256.7/53

In: -1.884+/-0.000 χ^2/NDF:93167332602.9/46

Out: -1.873+/-0.000 χ^2/NDF:81084512679.6/54

All: -1.878+/-0.000 χ^2/NDF: 174329647072.8

yield_bpm0i01aX_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 365614.1/23

Left Out: 0.004+/-0.000 χ^2/NDF:3091489.2/24

Right Out: 0.006+/-0.000 χ^2/NDF: 379464.6/29

Left In: 0.004+/-0.000 χ^2/NDF:3193924.3/22

Left: 0.004+/-0.000 χ^2/NDF: 6288278.1/47

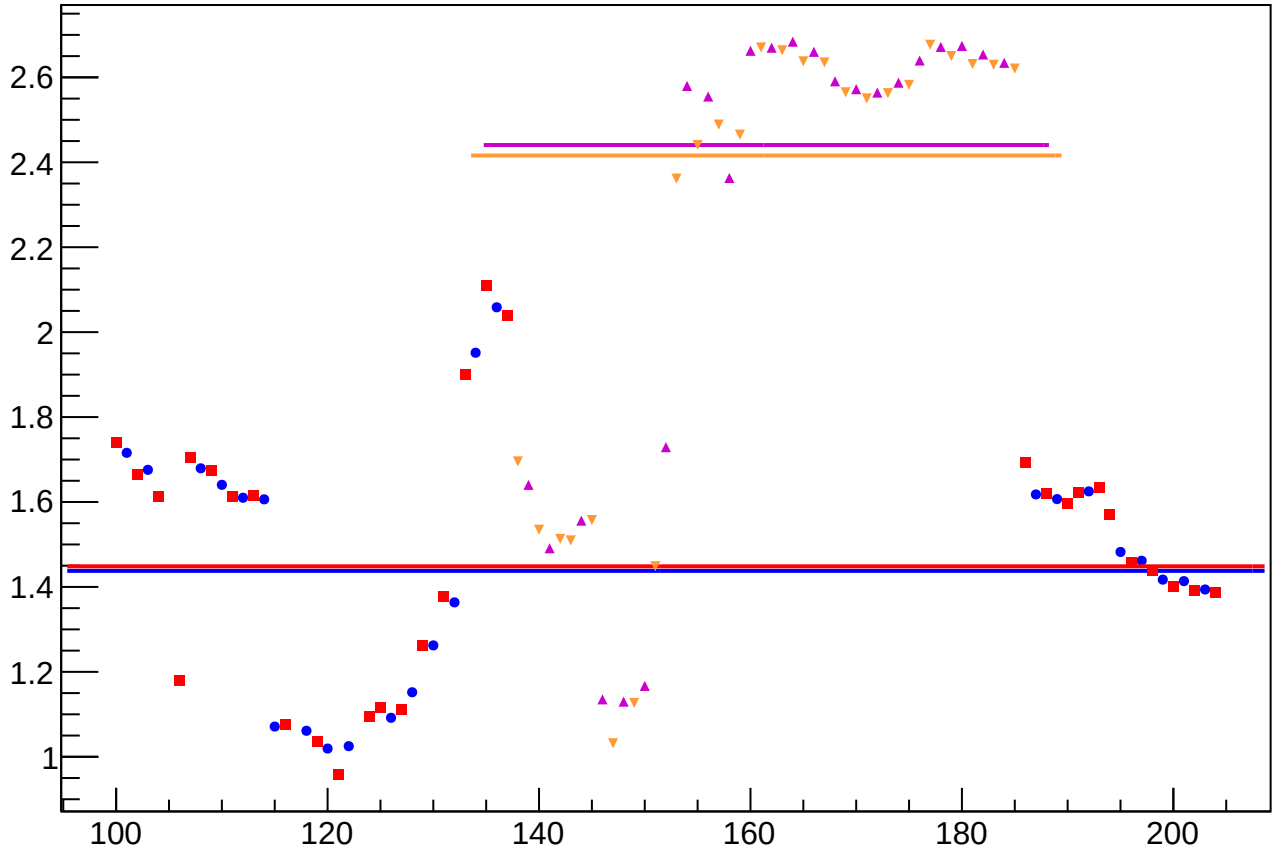
Right: 0.006+/-0.000 χ^2/NDF: 748786.4/53

In: 0.005+/-0.000 χ^2/NDF:5490544.8/46

Out: 0.005+/-0.000 χ^2/NDF:5368114.4/54

All: 0.005+/-0.000 χ^2/NDF: 10865052.4/101

yield_bpm0i01aY_mean vs Slug, Sign Corrected



Right In: 1.438+/-0.000 χ^2/NDF: 191365447156.6/23

Left Out: 2.416+/-0.000 χ^2/NDF:242949391498.0/24

Right Out: 1.449+/-0.000 χ^2/NDF: 186557943934.4/29

Left In: 2.441+/-0.000 χ^2/NDF:231724954471.8/22

Left: 2.428+/-0.000 χ^2/NDF: 475134633285.5/47

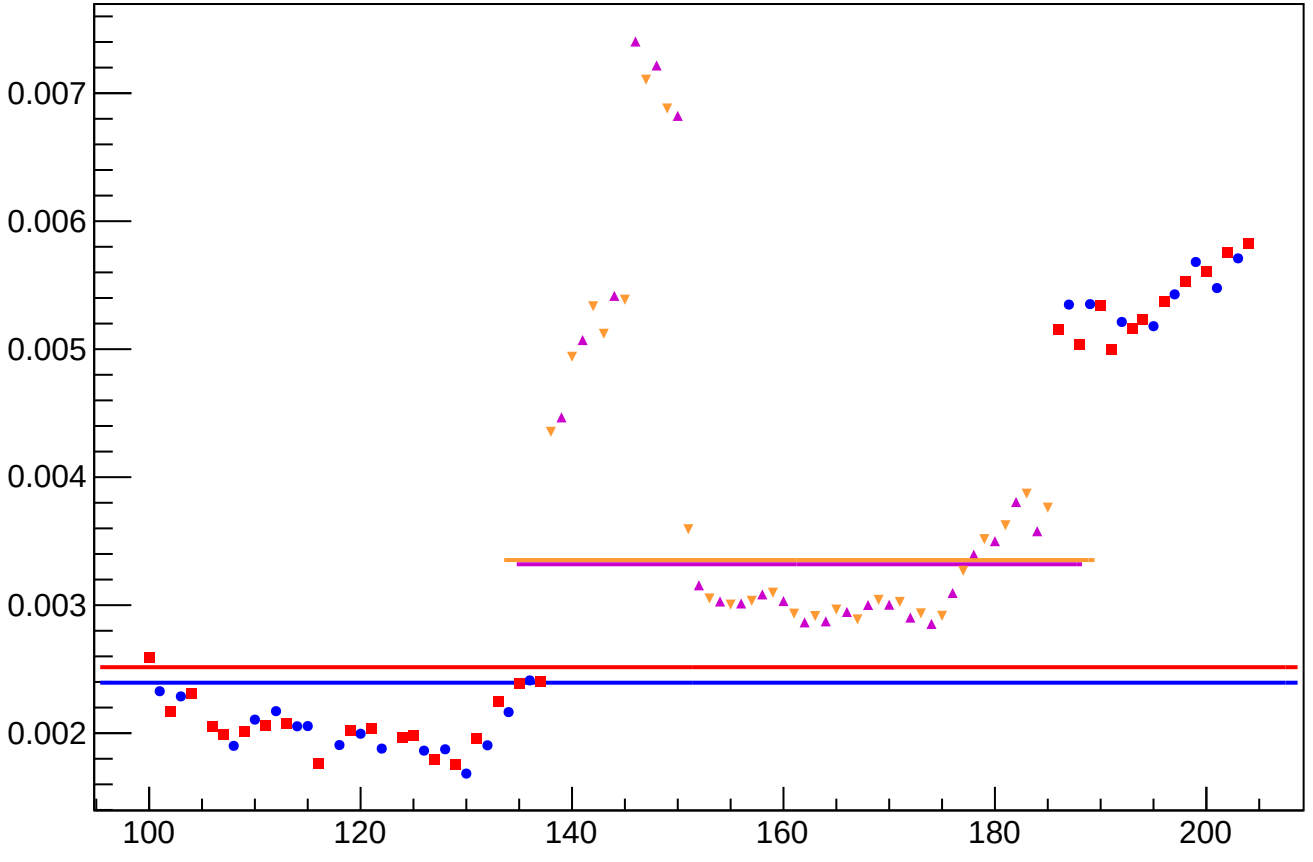
Right: 1.443+/-0.000 χ^2/NDF: 378030010933.8/53

In: 1.887+/-0.000 χ^2/NDF:1245869461939.8/46

Out: 1.883+/-0.000 χ^2/NDF:1229899714535.1/54

All: 1.885+/-0.000 χ^2/NDF: 2475795058853.

yield_bpm0i01aY_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 4300170.5/23

Left Out: 0.003+/-0.000 χ^2/NDF:1819921.4/24

Right Out: 0.003+/-0.000 χ^2/NDF: 5365294.5/29

Left In: 0.003+/-0.000 χ^2/NDF:2055631.9/22

Left: 0.003+/-0.000 χ^2/NDF: 3877180.3/47

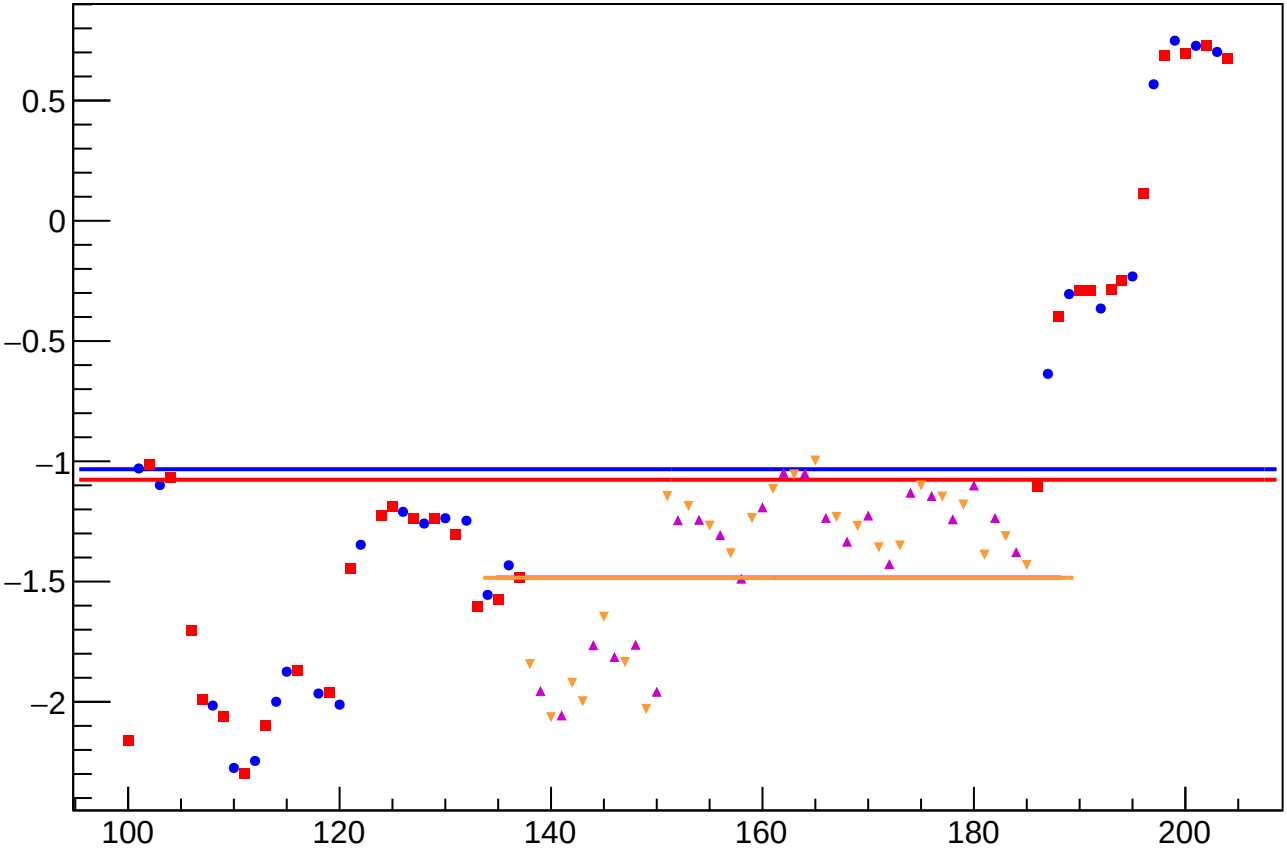
Right: 0.002+/-0.000 χ^2/NDF: 9692870.1/53

In: 0.003+/-0.000 χ^2/NDF:7756973.6/46

Out: 0.003+/-0.000 χ^2/NDF:8382977.1/54

All: 0.003+/-0.000 χ^2/NDF: 16163051.5/101

yield_bpm0l01X_mean vs Slug, Sign Corrected



Right In: -1.033+/-0.000 χ^2/NDF: 150352709631.6/23

Left Out: -1.484+/-0.000 χ^2/NDF:48438764764.6/24

Right Out: -1.077+/-0.000 χ^2/NDF: 193564648075.2/29

Left In: -1.483+/-0.000 χ^2/NDF:40353431150.9/22

Left: -1.484+/-0.000 χ^2/NDF: 88792333216.2/47

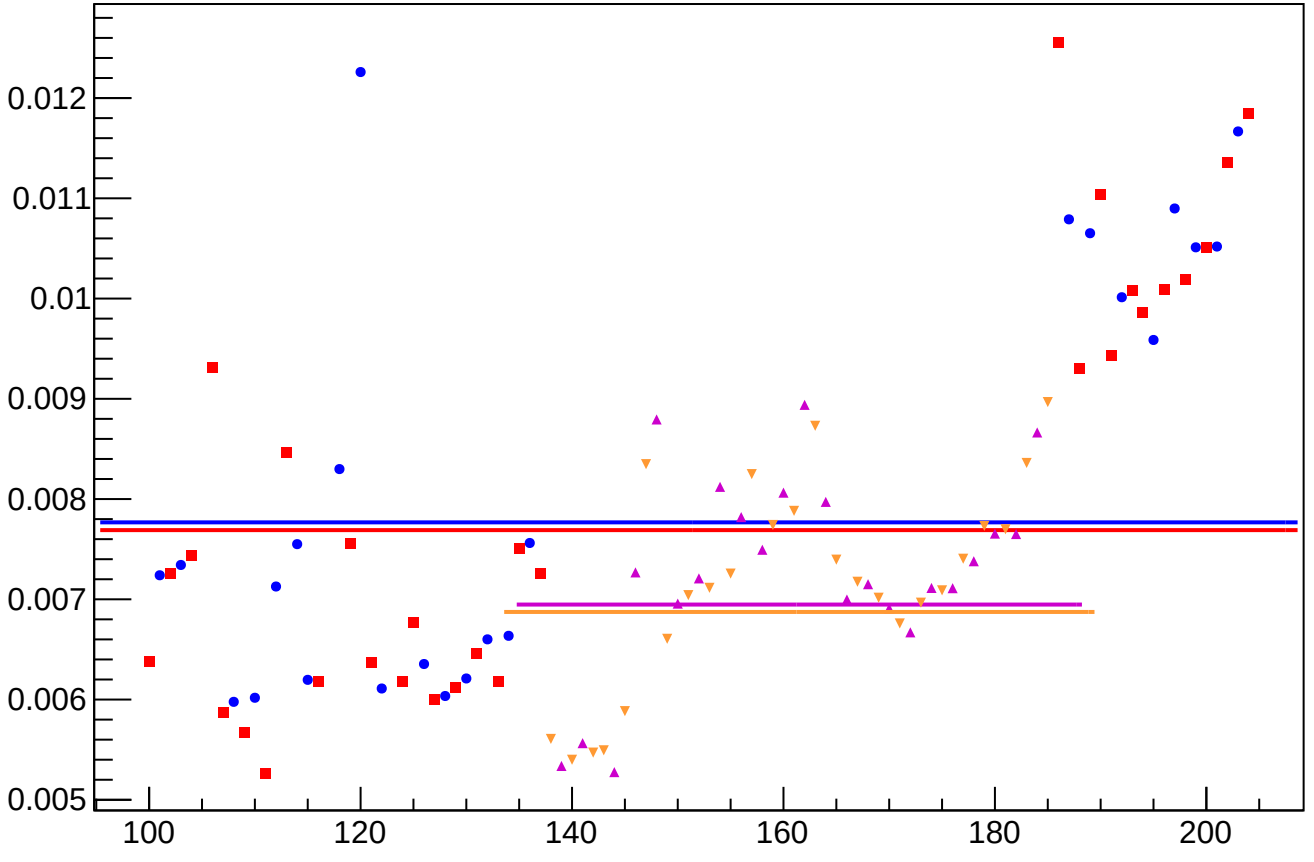
Right: -1.057+/-0.000 χ^2/NDF: 344120165549.2/53

In: -1.323+/-0.000 χ^2/NDF:216138531257.8/46

Out: -1.330+/-0.000 χ^2/NDF:266126104995.3/54

All: -1.327+/-0.000 χ^2/NDF: 482276988736.2

yield_bpm0l01X_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 1330573.3/23

Left Out: 0.007+/-0.000 χ^2/NDF:745531.3/24

Right Out: 0.008+/-0.000 χ^2/NDF: 1799302.9/29

Left In: 0.007+/-0.000 χ^2/NDF:746731.6/22

Left: 0.007+/-0.000 χ^2/NDF: 1494256.2/47

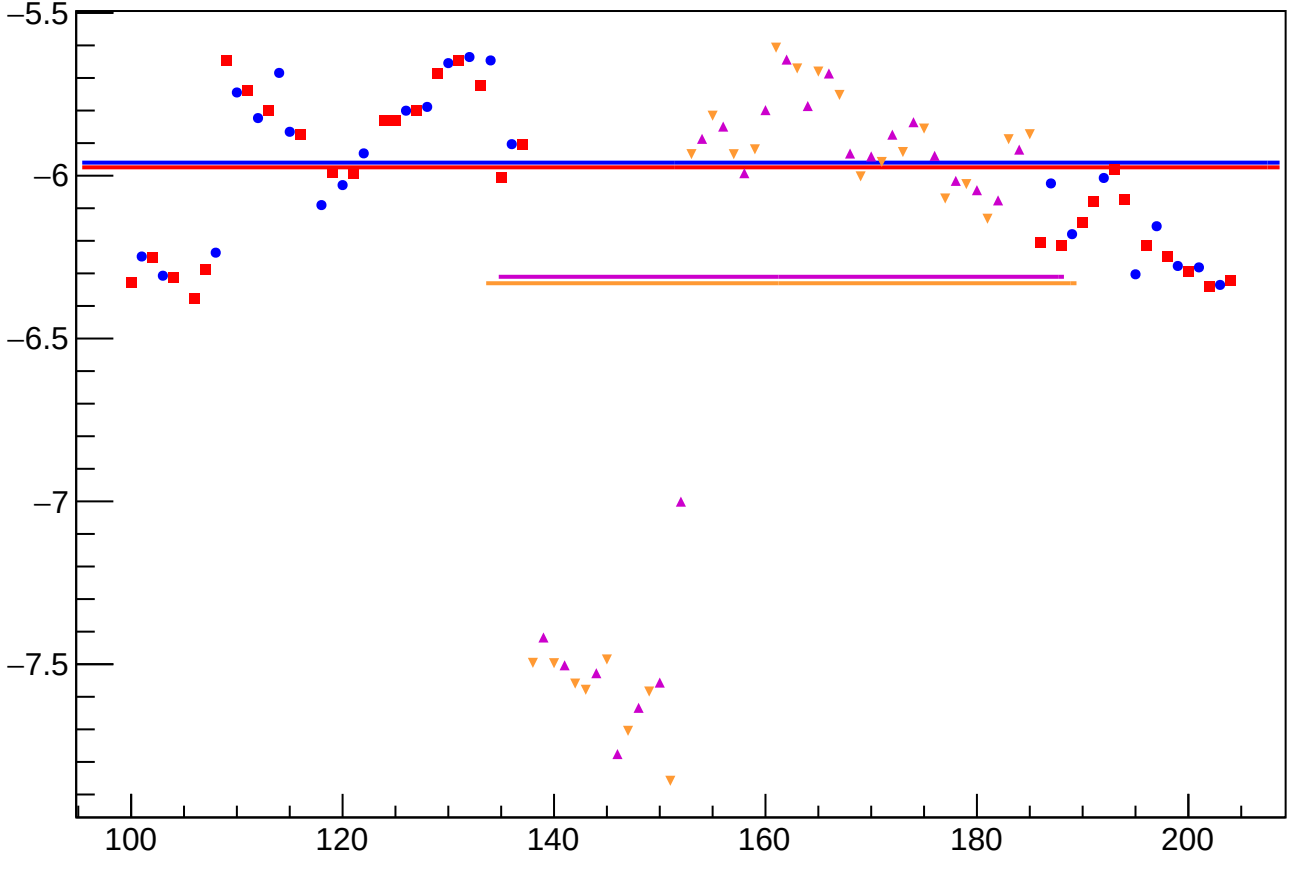
Right: 0.008+/-0.000 χ^2/NDF: 3131149.8/53

In: 0.007+/-0.000 χ^2/NDF:2245856.8/46

Out: 0.007+/-0.000 χ^2/NDF:2738287.9/54

All: 0.007+/-0.000 χ^2/NDF: 4985953.9/101

yield_bpm0l01Y_mean vs Slug, Sign Corrected



Right In: -5.960+/-0.000 χ^2/NDF: 14493478932.6/23

Left Out: -6.330+/-0.000 χ^2/NDF:110328634370.4/24

Right Out: -5.974+/-0.000 χ^2/NDF: 15791109620.9/29

Left In: -6.310+/-0.000 χ^2/NDF:91689184100.9/22

Left: -6.321+/-0.000 χ^2/NDF: 202054497687.3/47

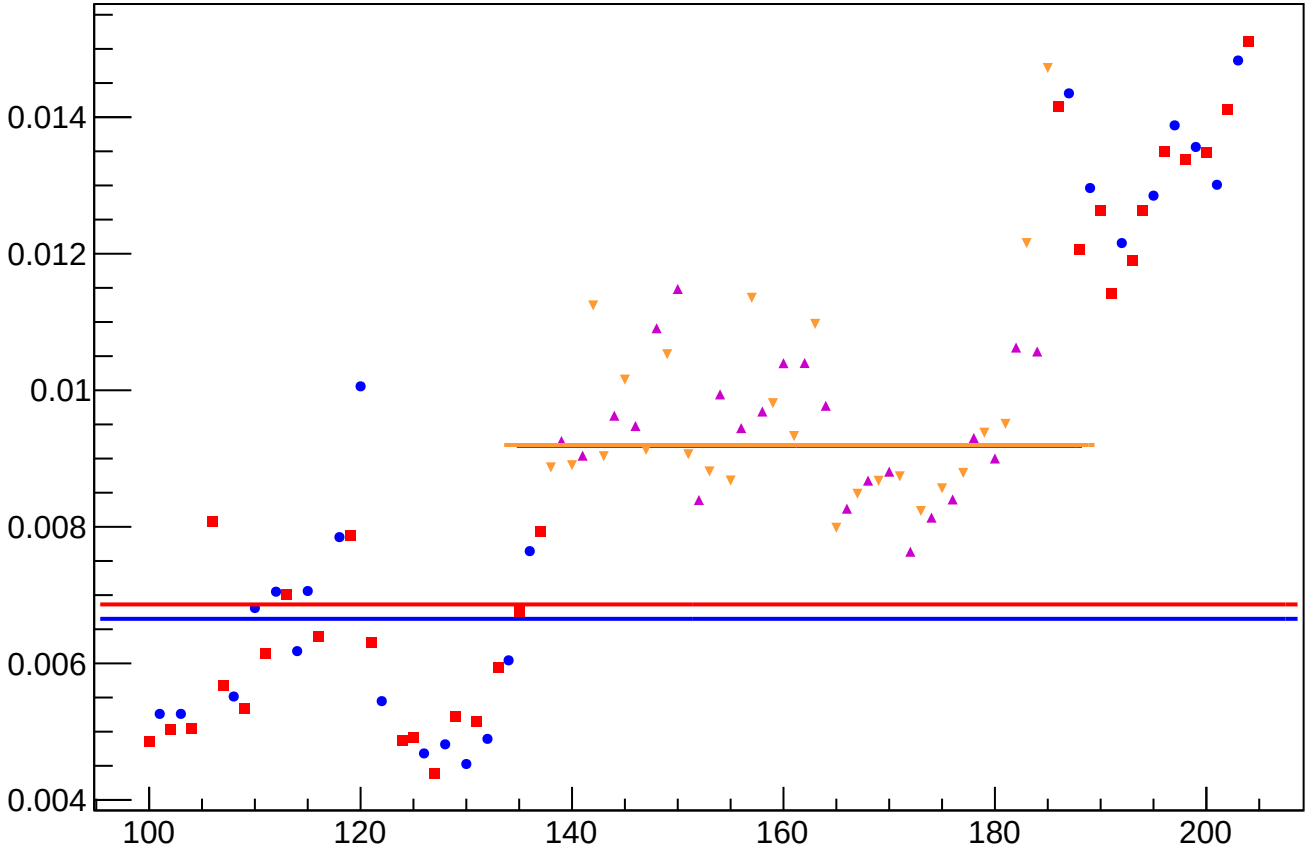
Right: -5.968+/-0.000 χ^2/NDF: 30309928419.2/53

In: -6.115+/-0.000 χ^2/NDF:118708474280.6/46

Out: -6.127+/-0.000 χ^2/NDF:139939949256.7/54

All: -6.121+/-0.000 χ^2/NDF: 258678642399.9

yield_bpm0l01Y_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 3855491.2/23

Left Out: 0.009+/-0.000 χ^2/NDF:367040.4/24

Right Out: 0.007+/-0.000 χ^2/NDF: 4606659.0/29

Left In: 0.009+/-0.000 χ^2/NDF:319063.5/22

Left: 0.009+/-0.000 χ^2/NDF: 686142.8/47

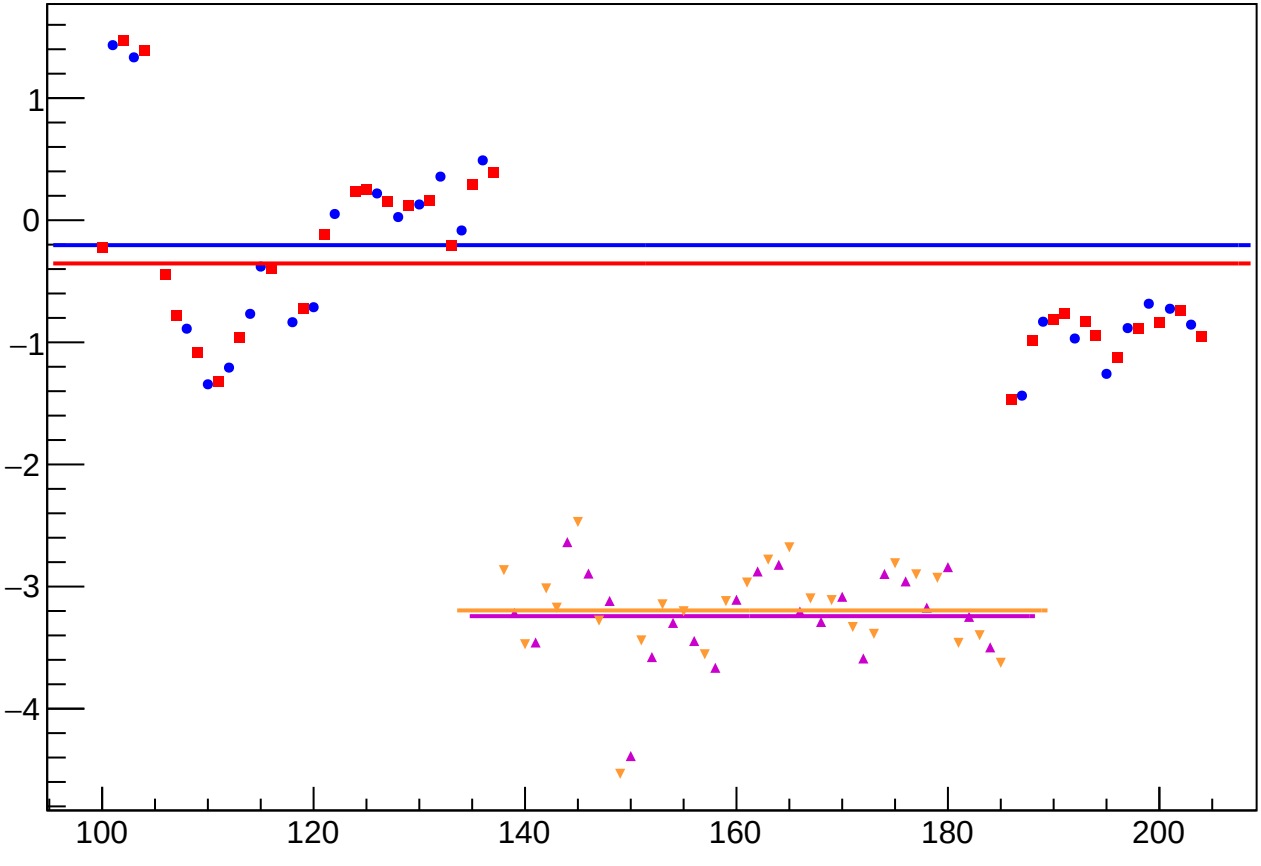
Right: 0.007+/-0.000 χ^2/NDF: 8472947.6/53

In: 0.008+/-0.000 χ^2/NDF:5481492.5/46

Out: 0.008+/-0.000 χ^2/NDF:6163669.1/54

All: 0.008+/-0.000 χ^2/NDF: 11648765.2/101

yield_bpm0l02X_mean vs Slug, Sign Corrected



Right In: -0.204+/-0.000 χ^2/NDF: 31471875379.8/23

Left Out: -3.195+/-0.000 χ^2/NDF:9538006171.4/24

Right Out: -0.354+/-0.000 χ^2/NDF: 34639810677.6/29

Left In: -3.242+/-0.000 χ^2/NDF:7955956403.6/22

Left: -3.218+/-0.000 χ^2/NDF: 17560435430.7/47

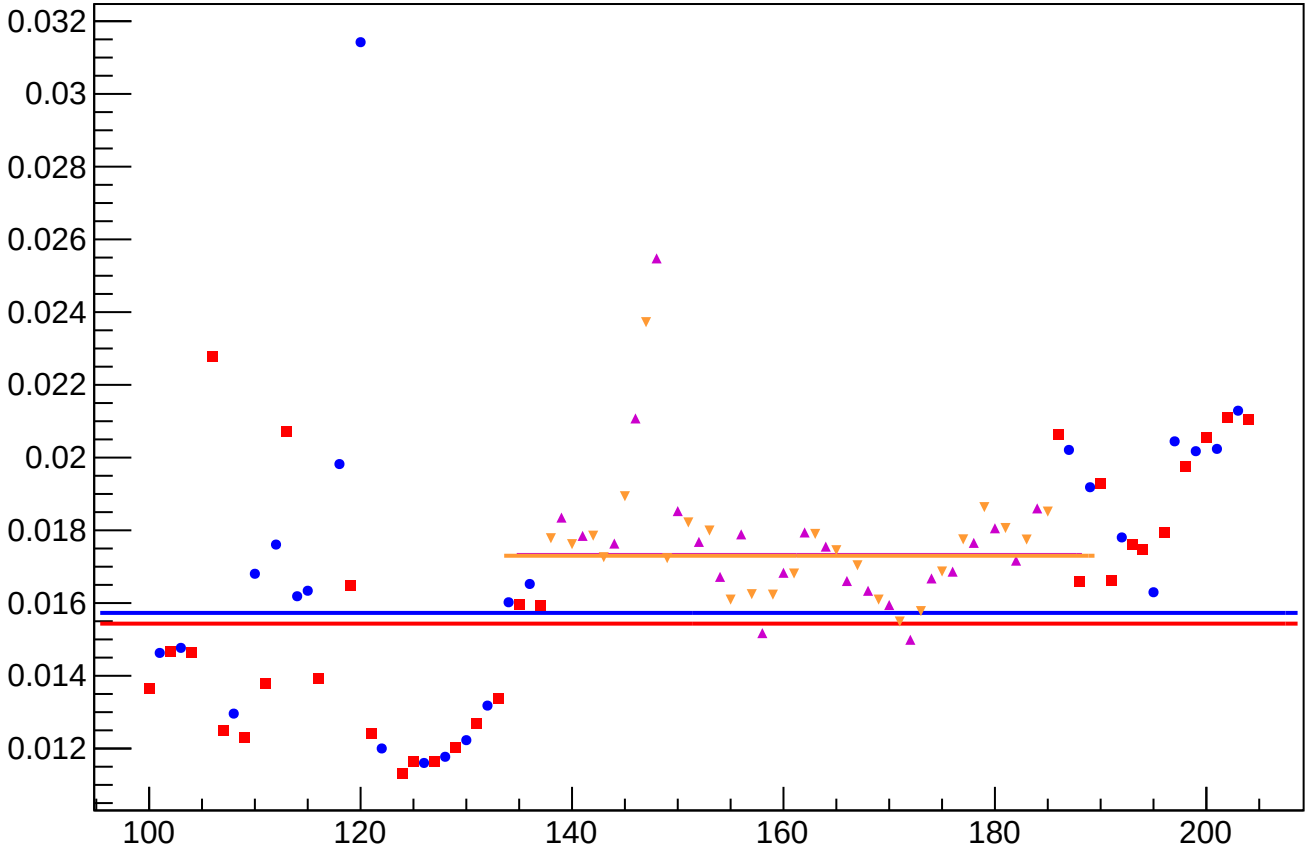
Right: -0.287+/-0.000 χ^2/NDF: 66704979459.5/53

In: -1.875+/-0.000 χ^2/NDF:282044669462.5/46

Out: -1.809+/-0.000 χ^2/NDF:288636924156.8/54

All: -1.840+/-0.000 χ^2/NDF: 570926932346.5

yield_bpm0l02X_rms vs Slug, Sign Corrected



Right In: 0.016+/-0.000 χ^2/NDF: 1085448.1/23

Left Out: 0.017+/-0.000 χ^2/NDF:218030.0/24

Right Out: 0.015+/-0.000 χ^2/NDF: 1190545.7/29

Left In: 0.017+/-0.000 χ^2/NDF:329879.6/22

Left: 0.017+/-0.000 χ^2/NDF: 547937.7/47

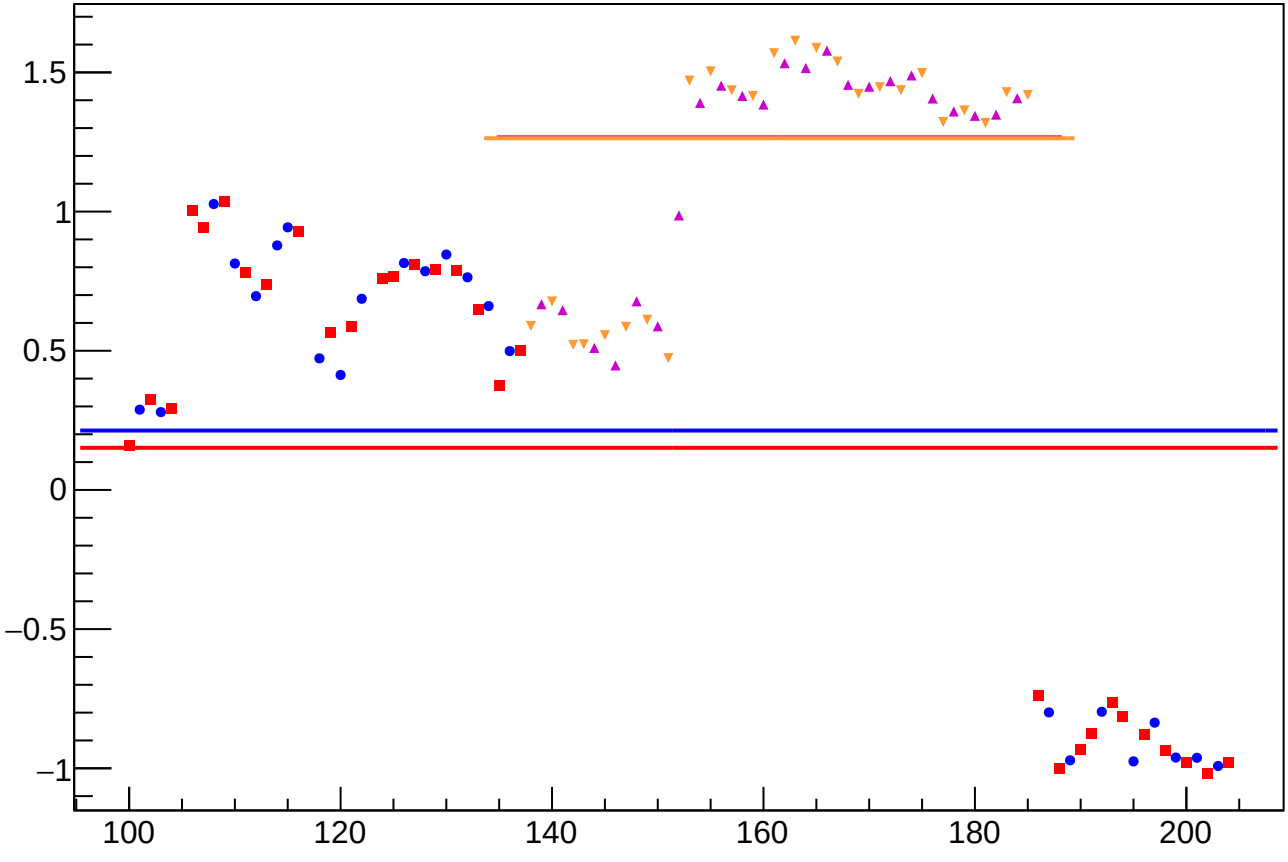
Right: 0.016+/-0.000 χ^2/NDF: 2280600.2/53

In: 0.017+/-0.000 χ^2/NDF:1548795.9/46

Out: 0.016+/-0.000 χ^2/NDF:1619677.1/54

All: 0.016+/-0.000 χ^2/NDF: 3173720.5/101

yield_bpm0l02Y_mean vs Slug, Sign Corrected



Right In: 0.213+/-0.000 χ^2/NDF: 63302560221.6/23

Left Out: 1.263+/-0.000 χ^2/NDF:45594559273.0/24

Right Out: 0.151+/-0.000 χ^2/NDF: 81232947043.4/29

Left In: 1.267+/-0.000 χ^2/NDF:37614918579.9/22

Left: 1.265+/-0.000 χ^2/NDF: 83211392403.2/47

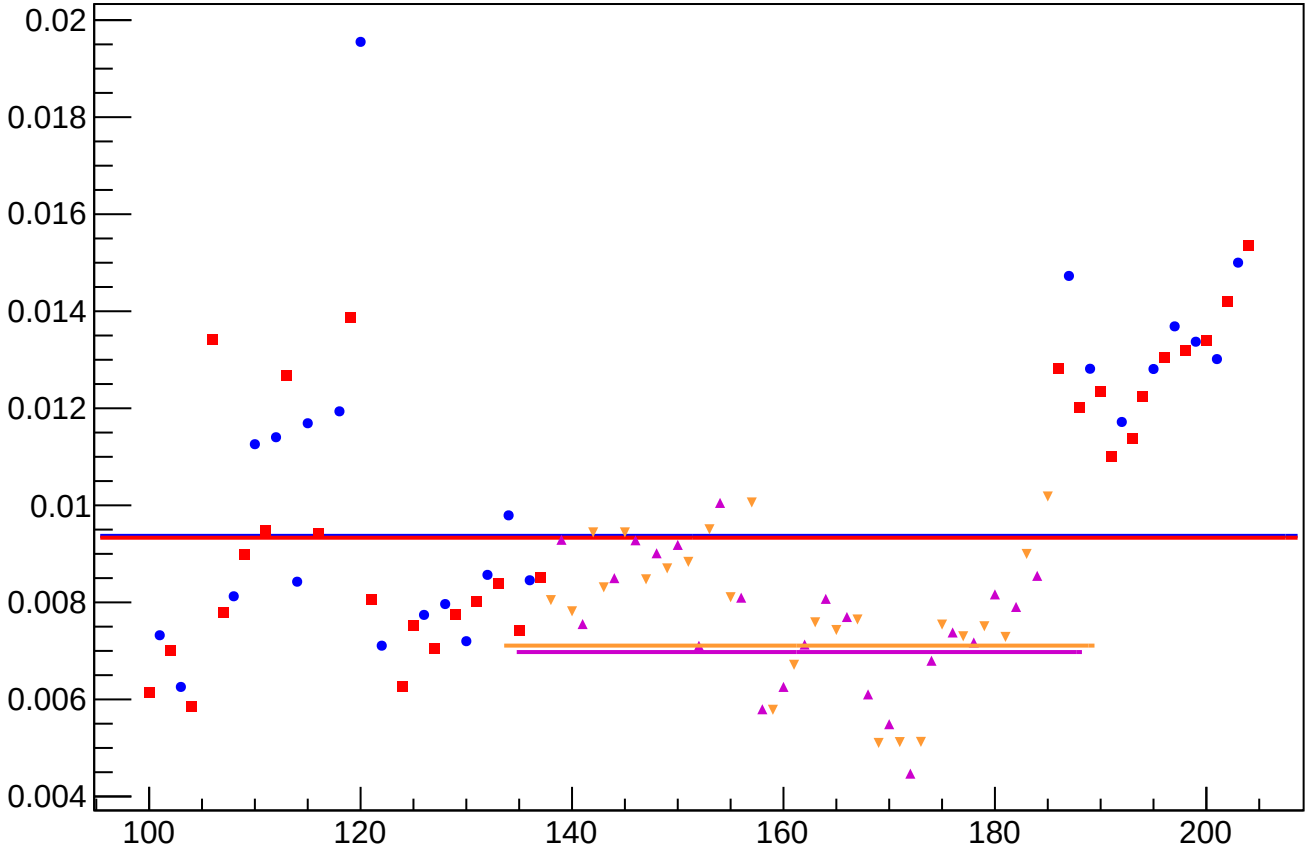
Right: 0.180+/-0.000 χ^2/NDF: 144801741601.1/53

In: 0.975+/-0.000 χ^2/NDF:203505411427.1/46

Out: 0.918+/-0.000 χ^2/NDF:256022868048.2/54

All: 0.946+/-0.000 χ^2/NDF: 460296924905.6

yield_bpm0l02Y_rms vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 1918687.4/23

Left Out: 0.007+/-0.000 χ^2/NDF:1519295.8/24

Right Out: 0.009+/-0.000 χ^2/NDF: 2305934.4/29

Left In: 0.007+/-0.000 χ^2/NDF:1457031.8/22

Left: 0.007+/-0.000 χ^2/NDF: 2982253.4/47

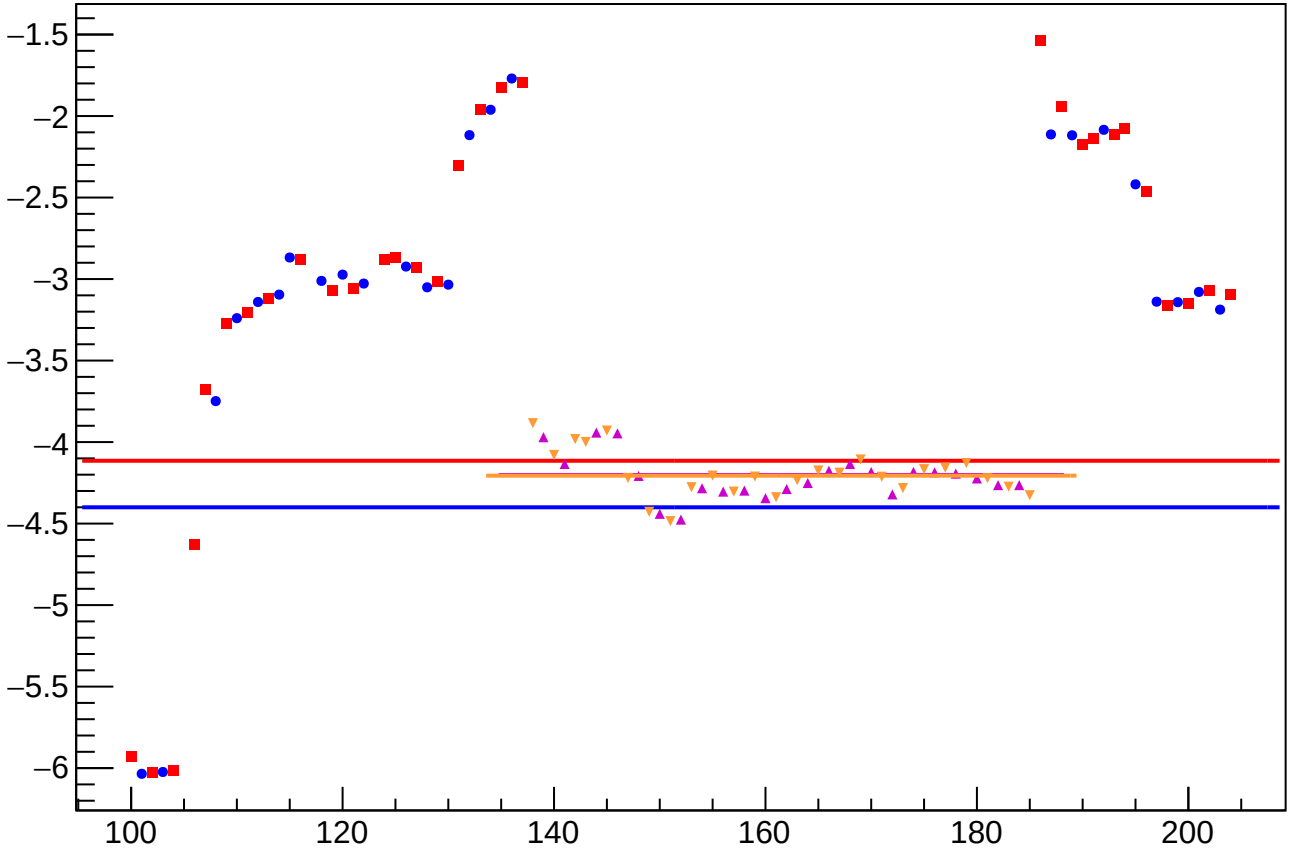
Right: 0.009+/-0.000 χ^2/NDF: 4224824.3/53

In: 0.008+/-0.000 χ^2/NDF:4435975.0/46

Out: 0.008+/-0.000 χ^2/NDF:4858311.7/54

All: 0.008+/-0.000 χ^2/NDF: 9306461.4/101

yield_bpm0l03X_mean vs Slug, Sign Corrected



Right In: -4.400+/-0.000 χ^2/NDF: 276035443860.0/23

Left Out: -4.206+/-0.000 χ^2/NDF:61558336.8/24

Right Out: -4.115+/-0.000 χ^2/NDF: 297643782537.2/29

Left In: -4.202+/-0.000 χ^2/NDF:42747893.4/22

Left: -4.203+/-0.000 χ^2/NDF: 104337107.5/47

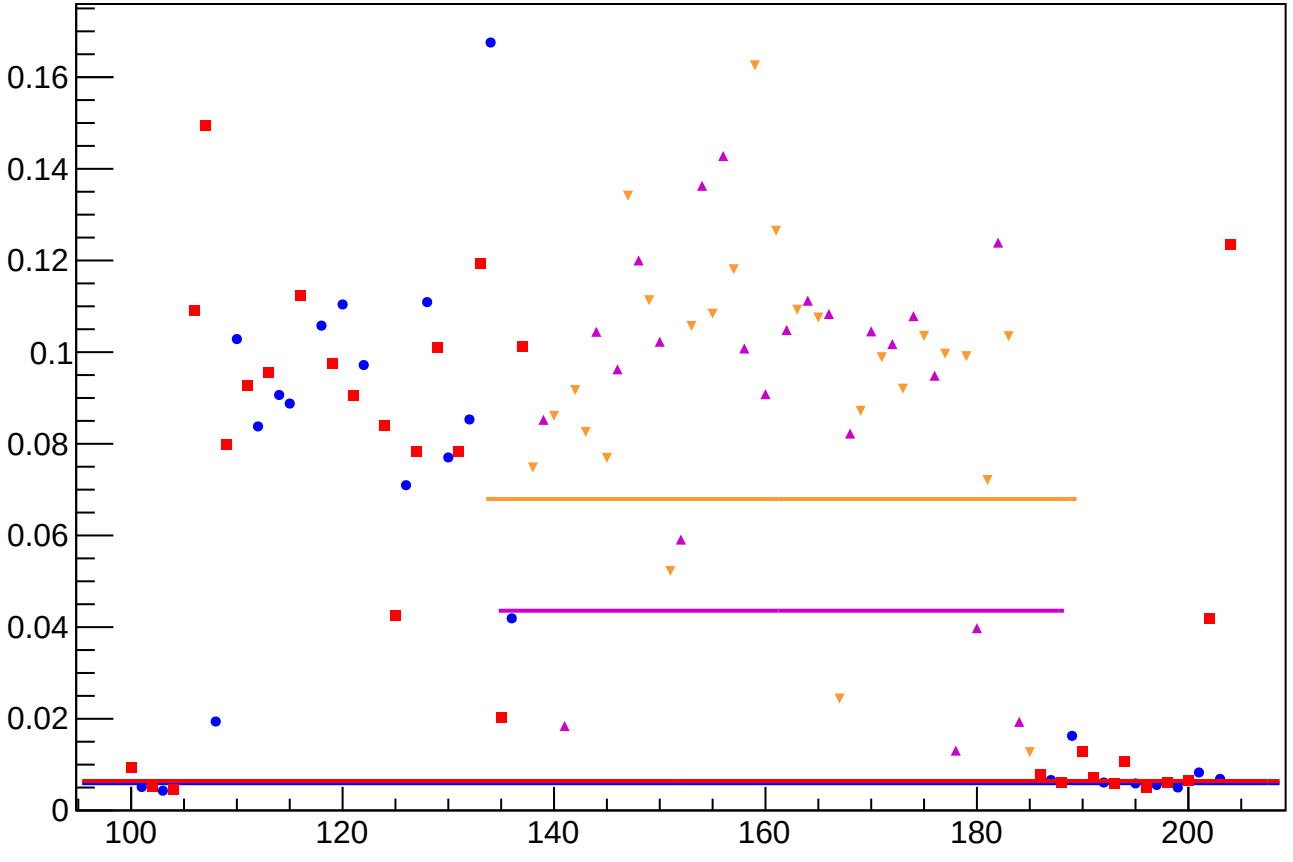
Right: -4.270+/-0.000 χ^2/NDF: 577472836827.8/53

In: -4.392+/-0.000 χ^2/NDF:276232945844.9/46

Out: -4.117+/-0.000 χ^2/NDF:297726938055.9/54

All: -4.267+/-0.000 χ^2/NDF: 577605636726.

yield_bpm0l03X_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 8874508.8/23

Left Out: 0.068+/-0.000 χ^2/NDF:7631751.0/24

Right Out: 0.006+/-0.000 χ^2/NDF: 10452262.4/29

Left In: 0.044+/-0.000 χ^2/NDF:12761920.2/22

Left: 0.053+/-0.000 χ^2/NDF: 22308835.8/47

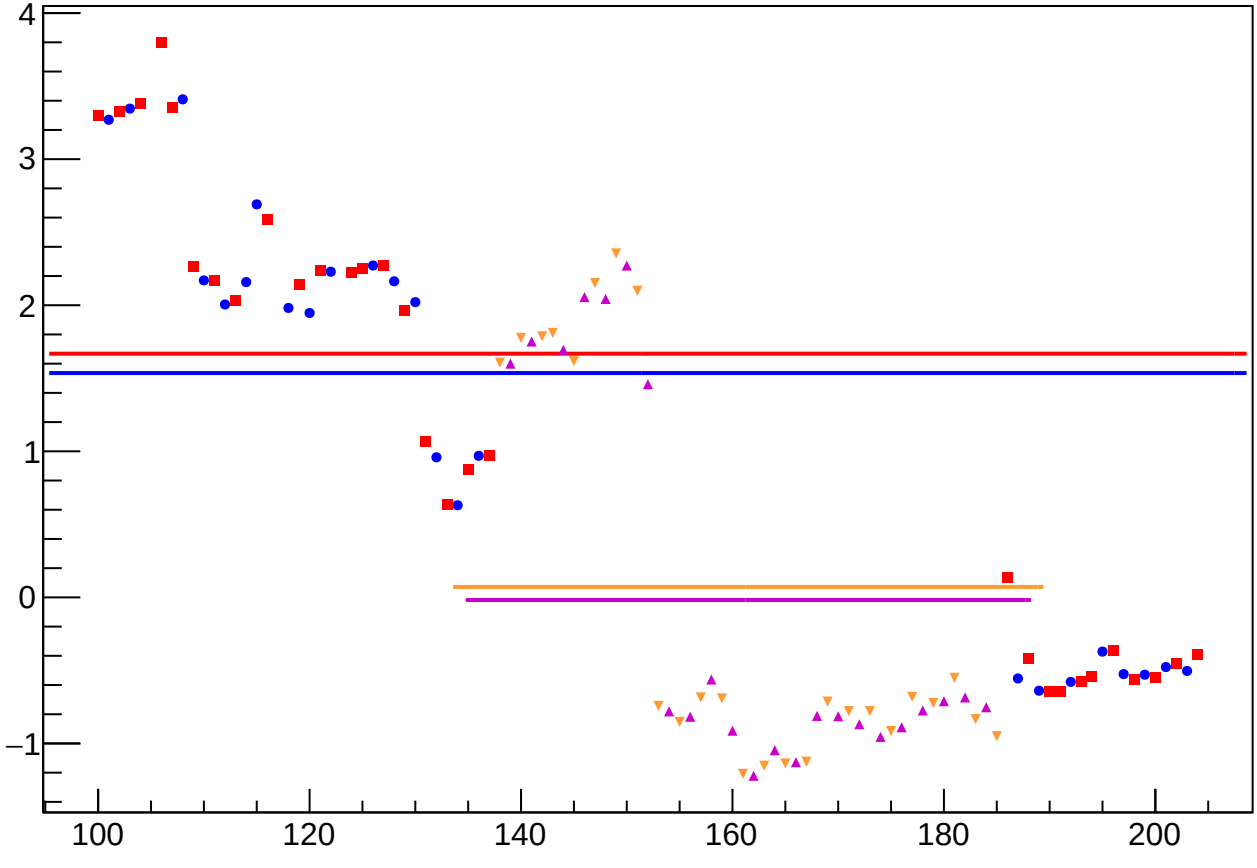
Right: 0.006+/-0.000 χ^2/NDF: 19347771.8/53

In: 0.007+/-0.000 χ^2/NDF:32777377.6/46

Out: 0.008+/-0.000 χ^2/NDF:37624657.8/54

All: 0.008+/-0.000 χ^2/NDF: 70475301.6/101

yield_bpm0l03Y_mean vs Slug, Sign Corrected



Right In: 1.536+/-0.000 χ^2/NDF: 204582846097.3/23

Left Out: 0.072+/-0.000 χ^2/NDF:3635027099.6/24

Right Out: 1.668+/-0.000 χ^2/NDF: 182351727603.8/29

Left In: -0.018+/-0.000 χ^2/NDF:3455714643.1/22

Left: 0.024+/-0.000 χ^2/NDF: 7099580100.2/47

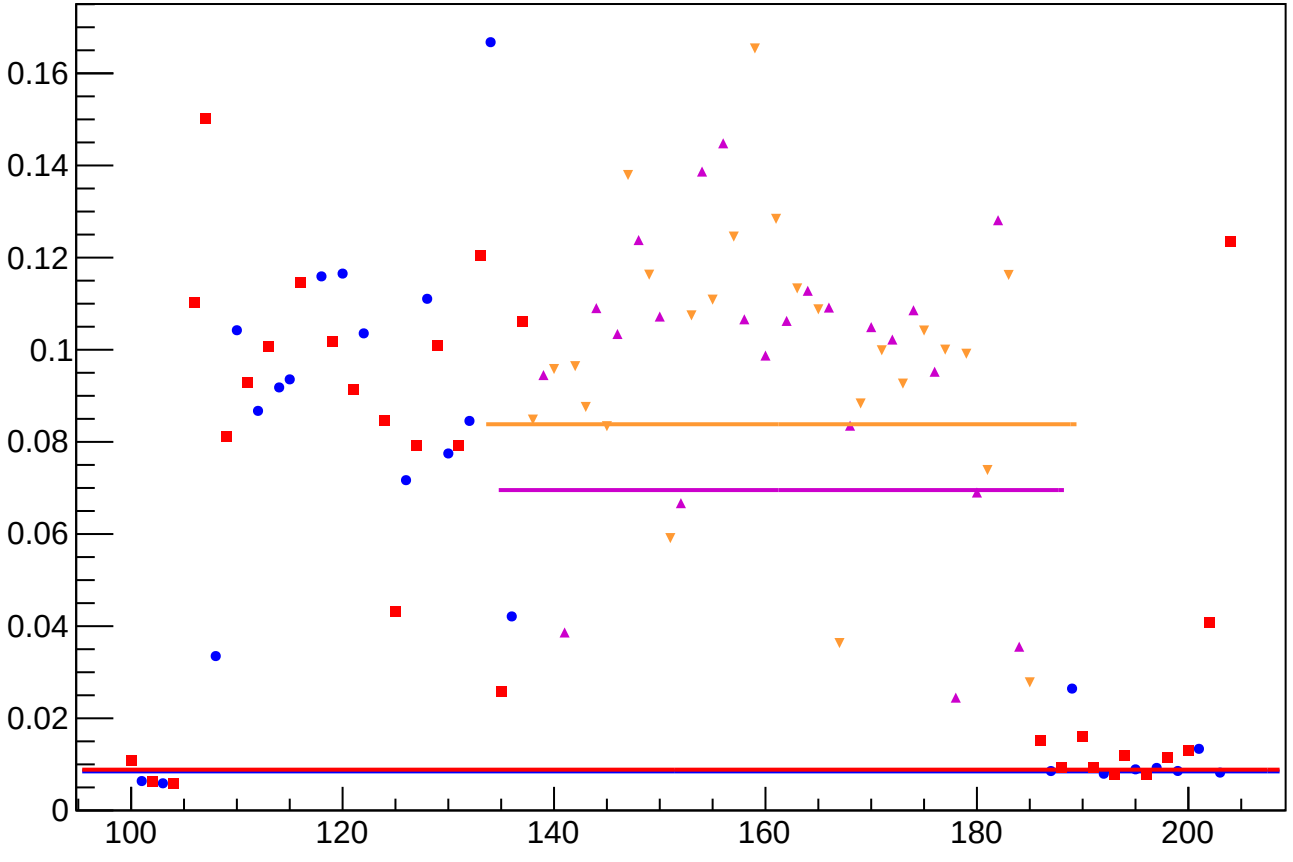
Right: 1.599+/-0.000 χ^2/NDF: 387411411855.0/53

In: 1.474+/-0.000 χ^2/NDF:213549127935.2/46

Out: 1.607+/-0.000 χ^2/NDF:191030788111.6/54

All: 1.537+/-0.000 χ^2/NDF: 405081302970.5

yield_bpm0l03Y_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 8681444.2/23

Left Out: 0.084+/-0.000 χ^2/NDF:3830160.2/24

Right Out: 0.009+/-0.000 χ^2/NDF: 10218938.7/29

Left In: 0.070+/-0.000 χ^2/NDF:6697383.9/22

Left: 0.076+/-0.000 χ^2/NDF: 10977959.7/47

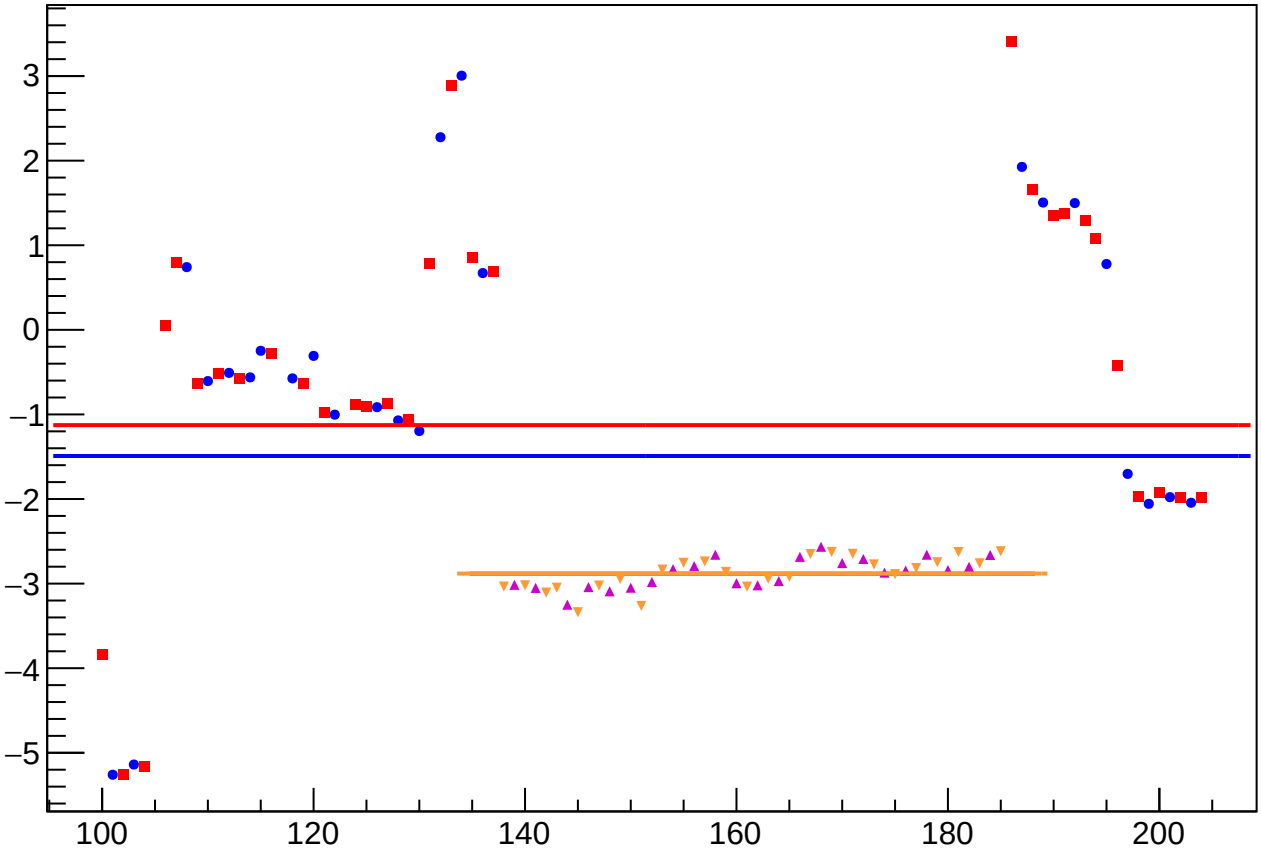
Right: 0.009+/-0.000 χ^2/NDF: 18907978.6/53

In: 0.011+/-0.000 χ^2/NDF:32403602.7/46

Out: 0.012+/-0.000 χ^2/NDF:36292201.0/54

All: 0.011+/-0.000 χ^2/NDF: 68733431.5/101

yield_bpm0l04X_mean vs Slug, Sign Corrected



Right In: -1.491+/-0.000 χ^2/NDF: 207707145446.9/23

Left Out: -2.881+/-0.000 χ^2/NDF:10553050715.1/24

Right Out: -1.126+/-0.000 χ^2/NDF: 234978799953.6/29

Left In: -2.882+/-0.000 χ^2/NDF:8300047325.0/22

Left: -2.882+/-0.000 χ^2/NDF: 18853297310.6/47

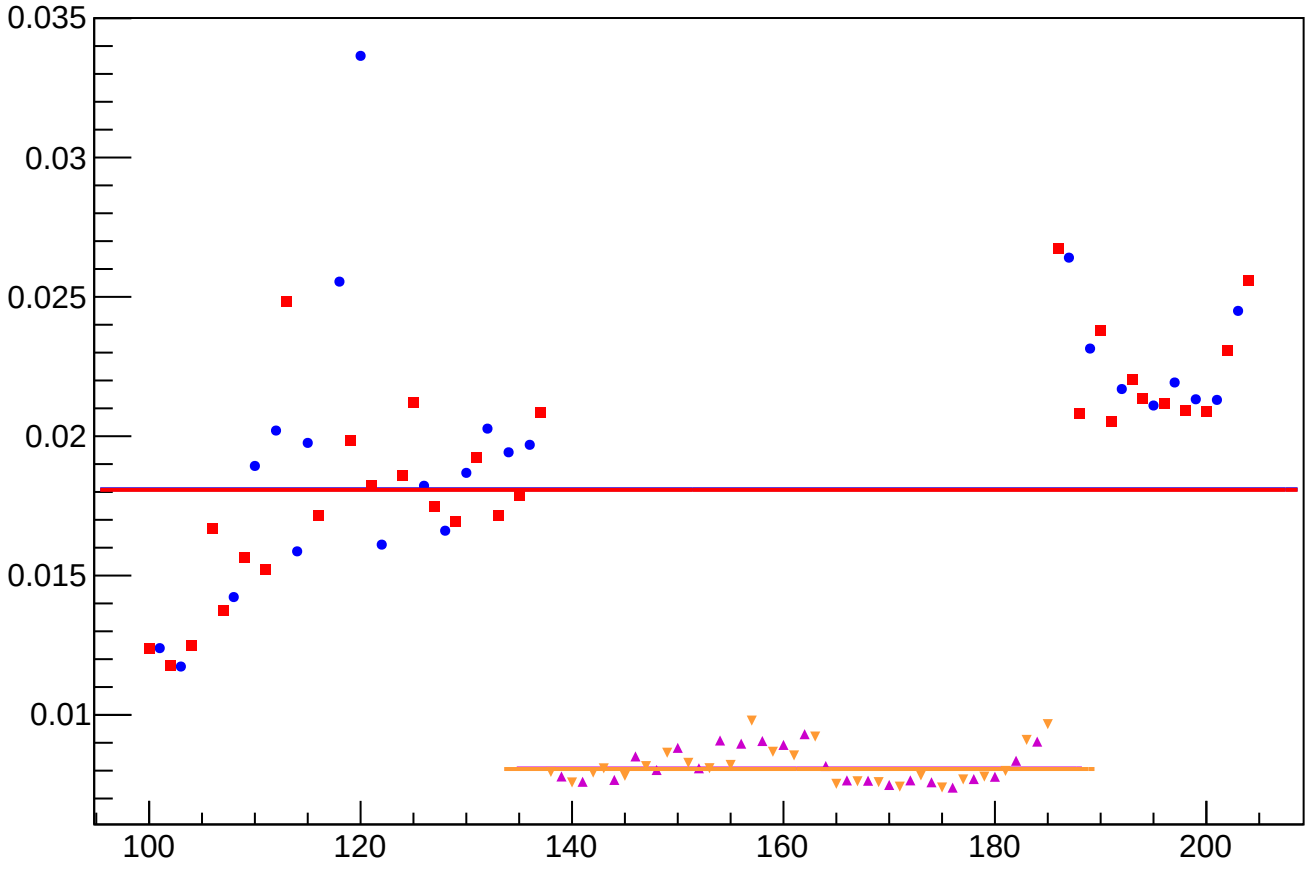
Right: -1.292+/-0.000 χ^2/NDF: 445201215372.4/53

In: -2.724+/-0.000 χ^2/NDF:275131042799.8/46

Out: -2.657+/-0.000 χ^2/NDF:357504001872.8/54

All: -2.689+/-0.000 χ^2/NDF: 633339932779.4

yield_bpm0l04X_rms vs Slug, Sign Corrected



Right In: 0.018+/-0.000 χ^2/NDF: 1334161.5/23

Left Out: 0.008+/-0.000 χ^2/NDF:185446.1/24

Right Out: 0.018+/-0.000 χ^2/NDF: 1353006.6/29

Left In: 0.008+/-0.000 χ^2/NDF:181843.4/22

Left: 0.008+/-0.000 χ^2/NDF: 367394.9/47

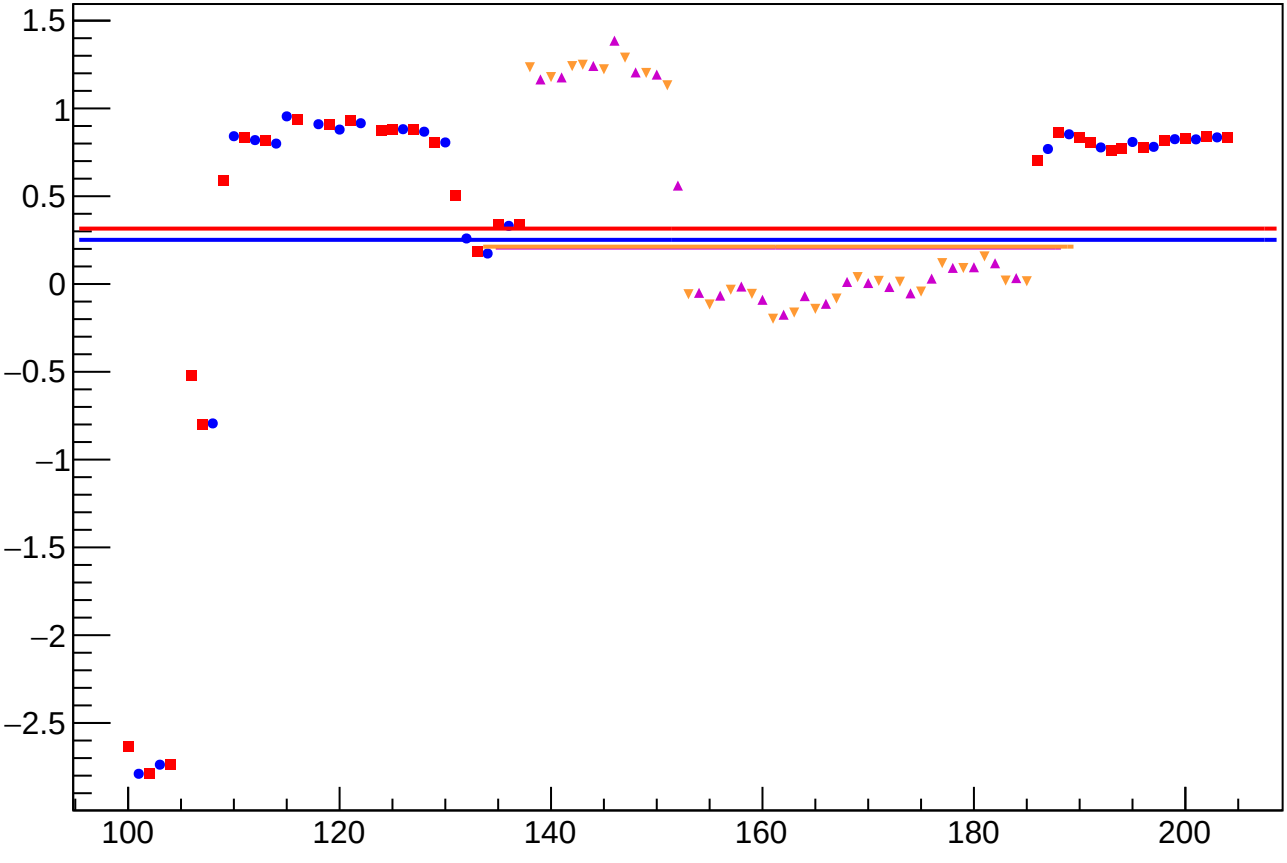
Right: 0.018+/-0.000 χ^2/NDF: 2687183.4/53

In: 0.009+/-0.000 χ^2/NDF:7649139.5/46

Out: 0.009+/-0.000 χ^2/NDF:8835964.7/54

All: 0.009+/-0.000 χ^2/NDF: 16489556.8/101

yield_bpm0l04Y_mean vs Slug, Sign Corrected



Right In: 0.252+/-0.000 χ^2/NDF: 941596844725.0/23

Left Out: 0.213+/-0.000 χ^2/NDF:102819241186.2/24

Right Out: 0.316+/-0.000 χ^2/NDF: 1039492775775.2/29

Left In: 0.207+/-0.000 χ^2/NDF:87109076861.7/22

Left: 0.210+/-0.000 χ^2/NDF: 189934243300.6/47

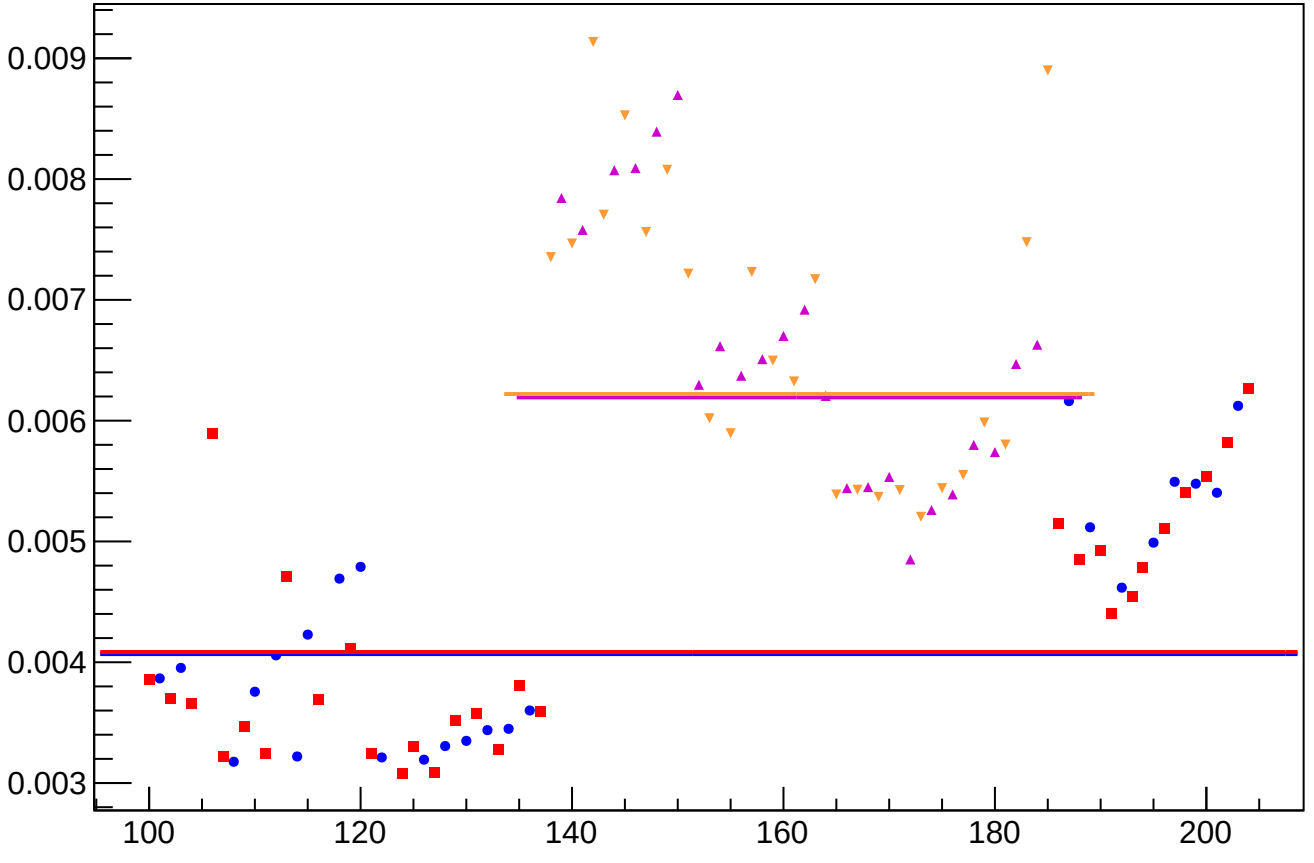
Right: 0.286+/-0.000 χ^2/NDF: 1982694057755.4/53

In: 0.236+/-0.000 χ^2/NDF:1029219373627.9/46

Out: 0.281+/-0.000 χ^2/NDF:1145331679527.1/54

All: 0.260+/-0.000 χ^2/NDF: 2175789034249.

yield_bpm0l04Y_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 1091976.0/23

Left Out: 0.006+/-0.000 χ^2/NDF:813678.9/24

Right Out: 0.004+/-0.000 χ^2/NDF: 1338353.8/29

Left In: 0.006+/-0.000 χ^2/NDF:816234.4/22

Left: 0.006+/-0.000 χ^2/NDF: 1630235.5/47

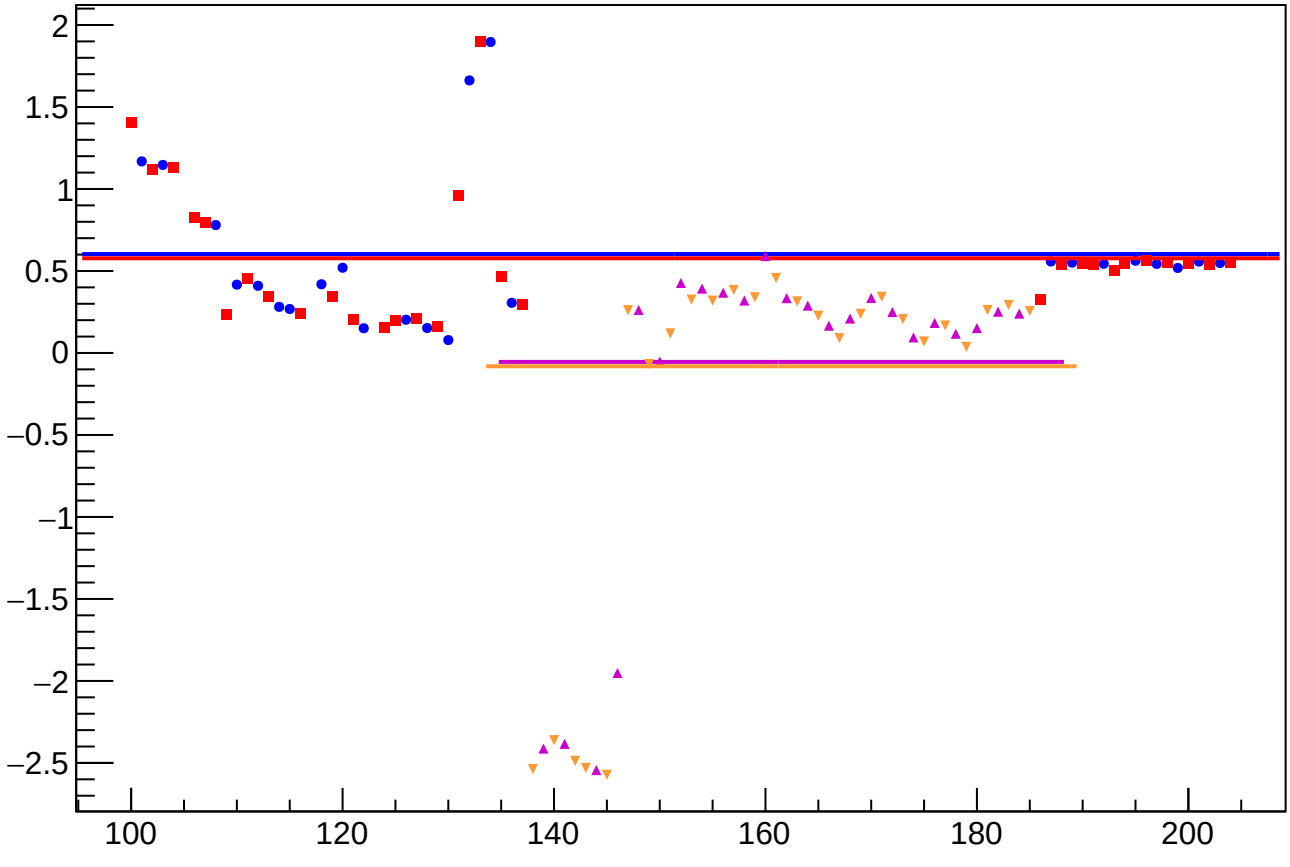
Right: 0.004+/-0.000 χ^2/NDF: 2430556.2/53

In: 0.005+/-0.000 χ^2/NDF:4288735.9/46

Out: 0.005+/-0.000 χ^2/NDF:4754524.9/54

All: 0.005+/-0.000 χ^2/NDF: 9044525.7/101

yield_bpm0l05X_mean vs Slug, Sign Corrected



Right In: 0.603+/-0.000 χ^2/NDF: 43672362097.6/23

Left Out: -0.081+/-0.000 χ^2/NDF:388332231902.9/24

Right Out: 0.577+/-0.000 χ^2/NDF: 43713004634.3/29

Left In: -0.055+/-0.000 χ^2/NDF:347072248163.0/22

Left: -0.068+/-0.000 χ^2/NDF: 735579885262.1/47

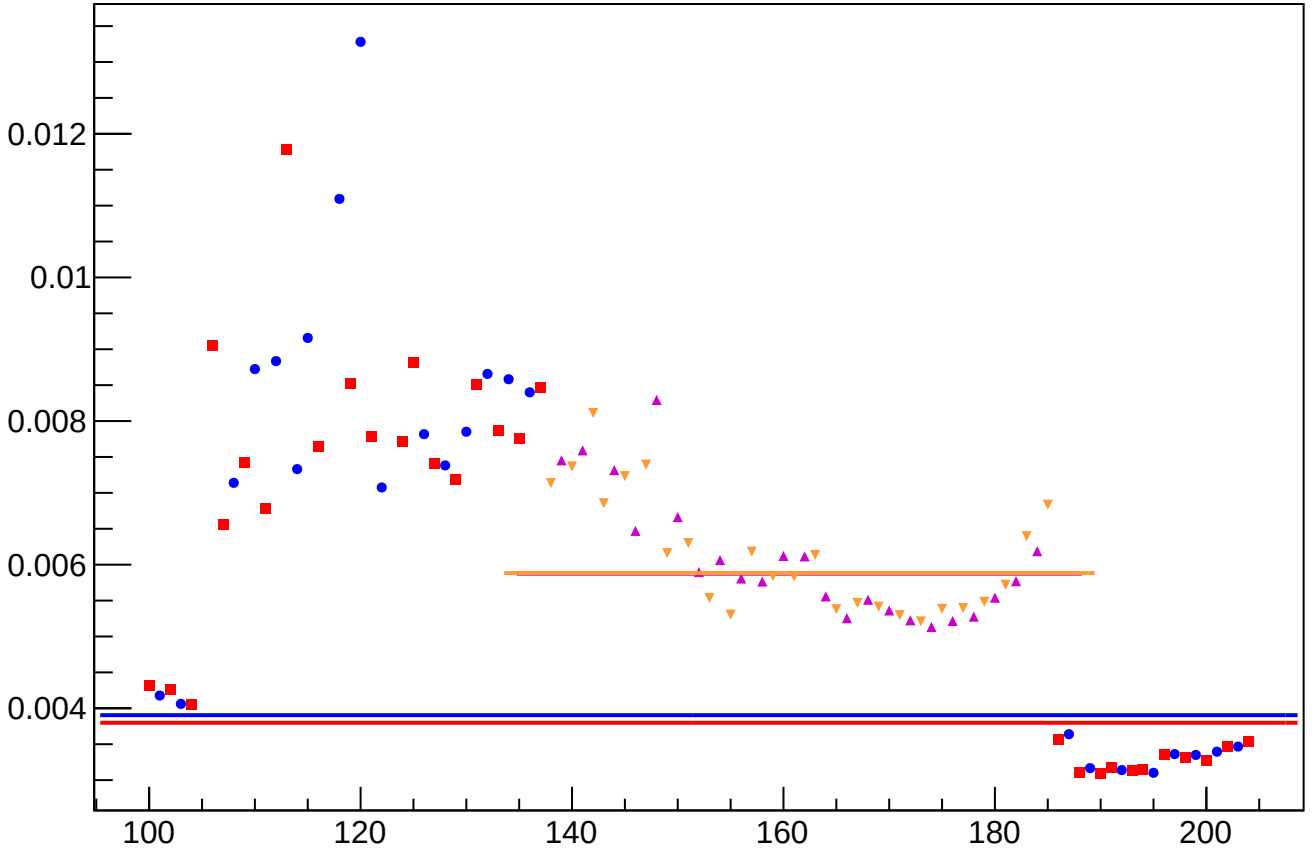
Right: 0.589+/-0.000 χ^2/NDF: 87638382247.2/53

In: 0.330+/-0.000 χ^2/NDF:513190462301.5/46

Out: 0.336+/-0.000 χ^2/NDF:571252558457.2/54

All: 0.333+/-0.000 χ^2/NDF: 1084470006820.

yield_bpm0l05X_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 3387356.7/23

Left Out: 0.006+/-0.000 χ^2/NDF:457789.1/24

Right Out: 0.004+/-0.000 χ^2/NDF: 3406180.6/29

Left In: 0.006+/-0.000 χ^2/NDF:521878.3/22

Left: 0.006+/-0.000 χ^2/NDF: 979706.0/47

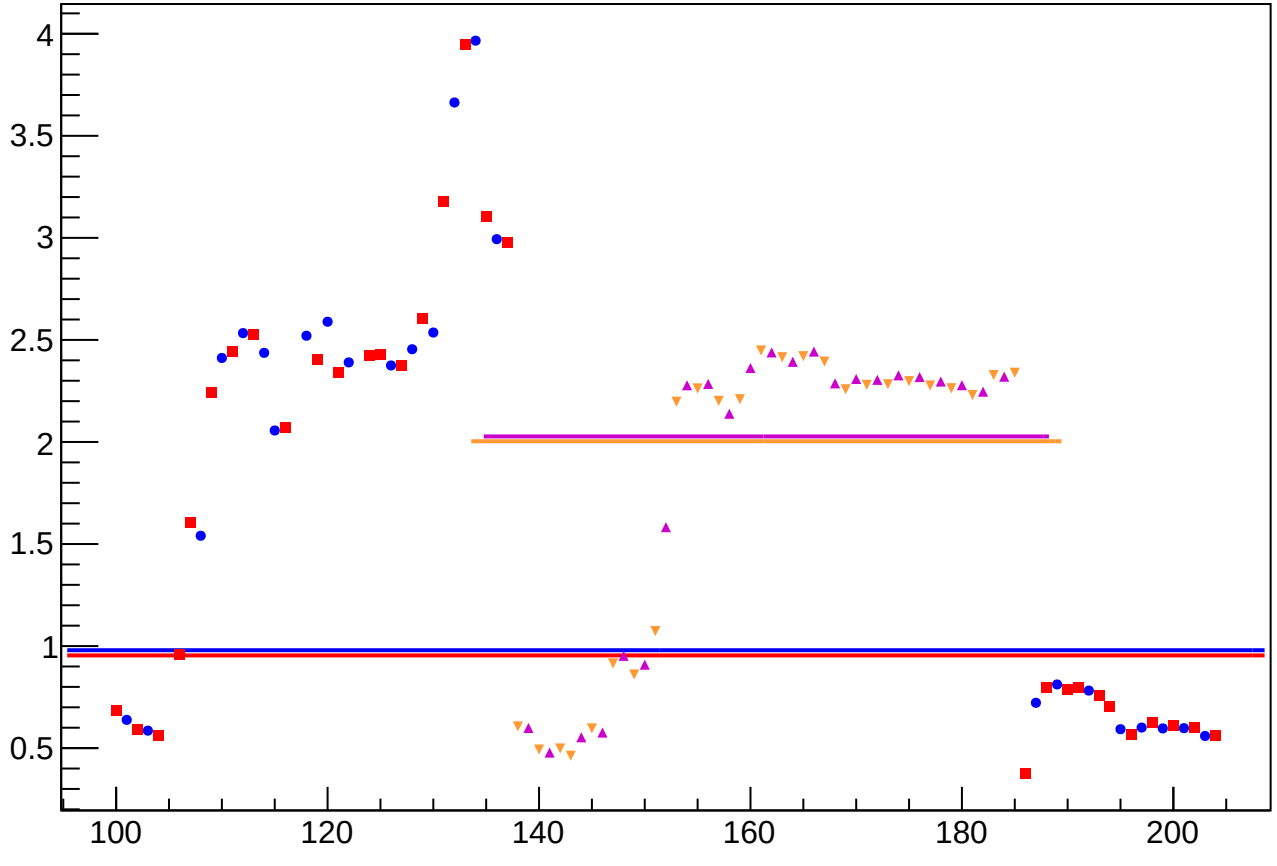
Right: 0.004+/-0.000 χ^2/NDF: 6802101.1/53

In: 0.005+/-0.000 χ^2/NDF:6107104.4/46

Out: 0.005+/-0.000 χ^2/NDF:6654143.8/54

All: 0.005+/-0.000 χ^2/NDF: 12794157.8/101

yield_bpm0l05Y_mean vs Slug, Sign Corrected



Right In: 0.980+/-0.000 χ^2/NDF: 227917600849.4/23

Left Out: 2.004+/-0.000 χ^2/NDF:219172813454.7/24

Right Out: 0.954+/-0.000 χ^2/NDF: 262297240402.1/29

Left In: 2.027+/-0.000 χ^2/NDF:194461333084.6/22

Left: 2.015+/-0.000 χ^2/NDF: 413784920453.7/47

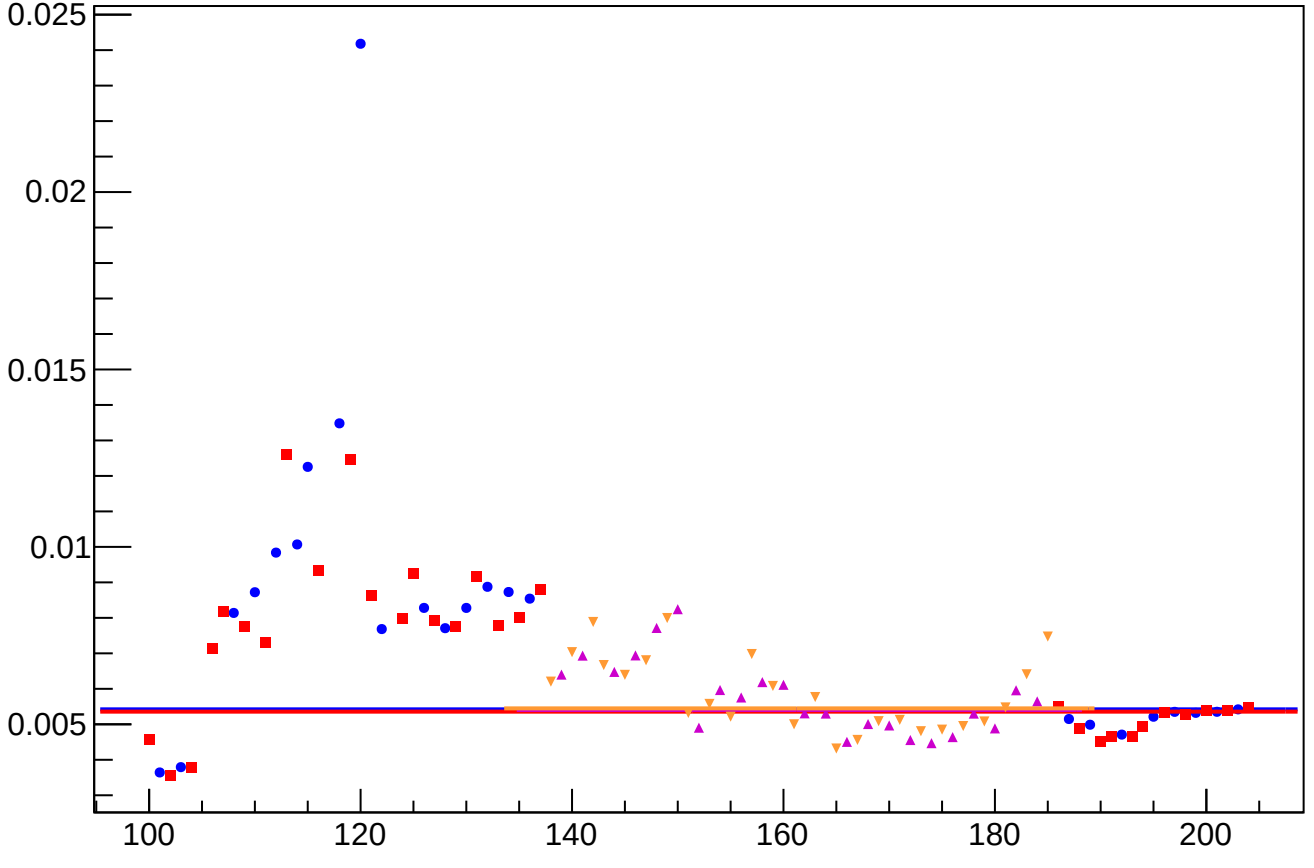
Right: 0.966+/-0.000 χ^2/NDF: 490346318297.0/53

In: 1.601+/-0.000 χ^2/NDF:659777683322.4/46

Out: 1.529+/-0.000 χ^2/NDF:756277102161.5/54

All: 1.563+/-0.000 χ^2/NDF: 1418511630132.

yield_bpm0l05Y_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 2307210.9/23

Left Out: 0.005+/-0.000 χ^2/NDF:771417.6/24

Right Out: 0.005+/-0.000 χ^2/NDF: 2125461.5/29

Left In: 0.005+/-0.000 χ^2/NDF:815136.5/22

Left: 0.005+/-0.000 χ^2/NDF: 1587605.4/47

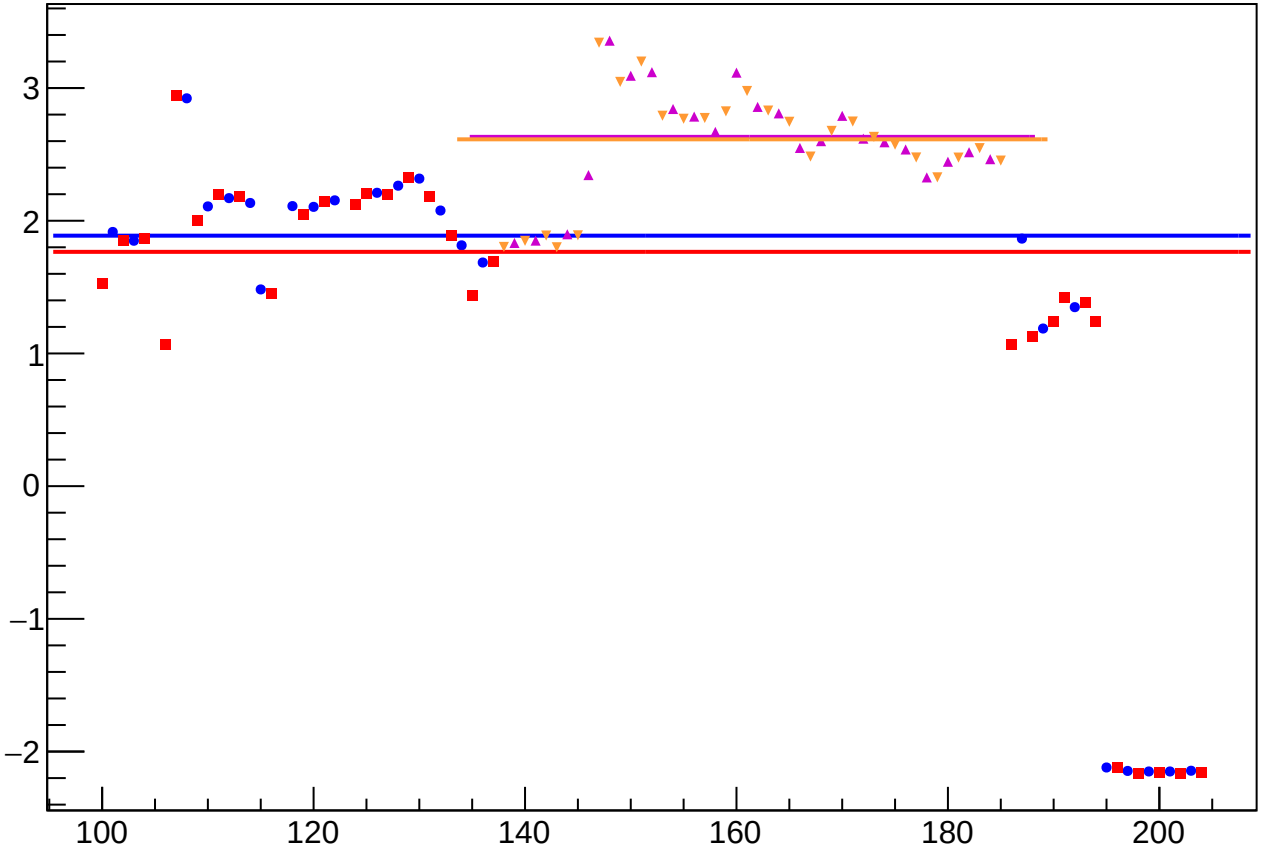
Right: 0.005+/-0.000 χ^2/NDF: 4434379.8/53

In: 0.005+/-0.000 χ^2/NDF:3122470.2/46

Out: 0.005+/-0.000 χ^2/NDF:2901114.9/54

All: 0.005+/-0.000 χ^2/NDF: 6023604.1/101

yield_bpm0l06X_mean vs Slug, Sign Corrected



Right In: 1.888+/-0.000 χ^2/NDF: 115836437845.6/23

Left Out: 2.614+/-0.000 χ^2/NDF:46402554271.4/24

Right Out: 1.766+/-0.000 χ^2/NDF: 123250017137.3/29

Left In: 2.632+/-0.000 χ^2/NDF:40551967819.7/22

Left: 2.623+/-0.000 χ^2/NDF: 87009327498.9/47

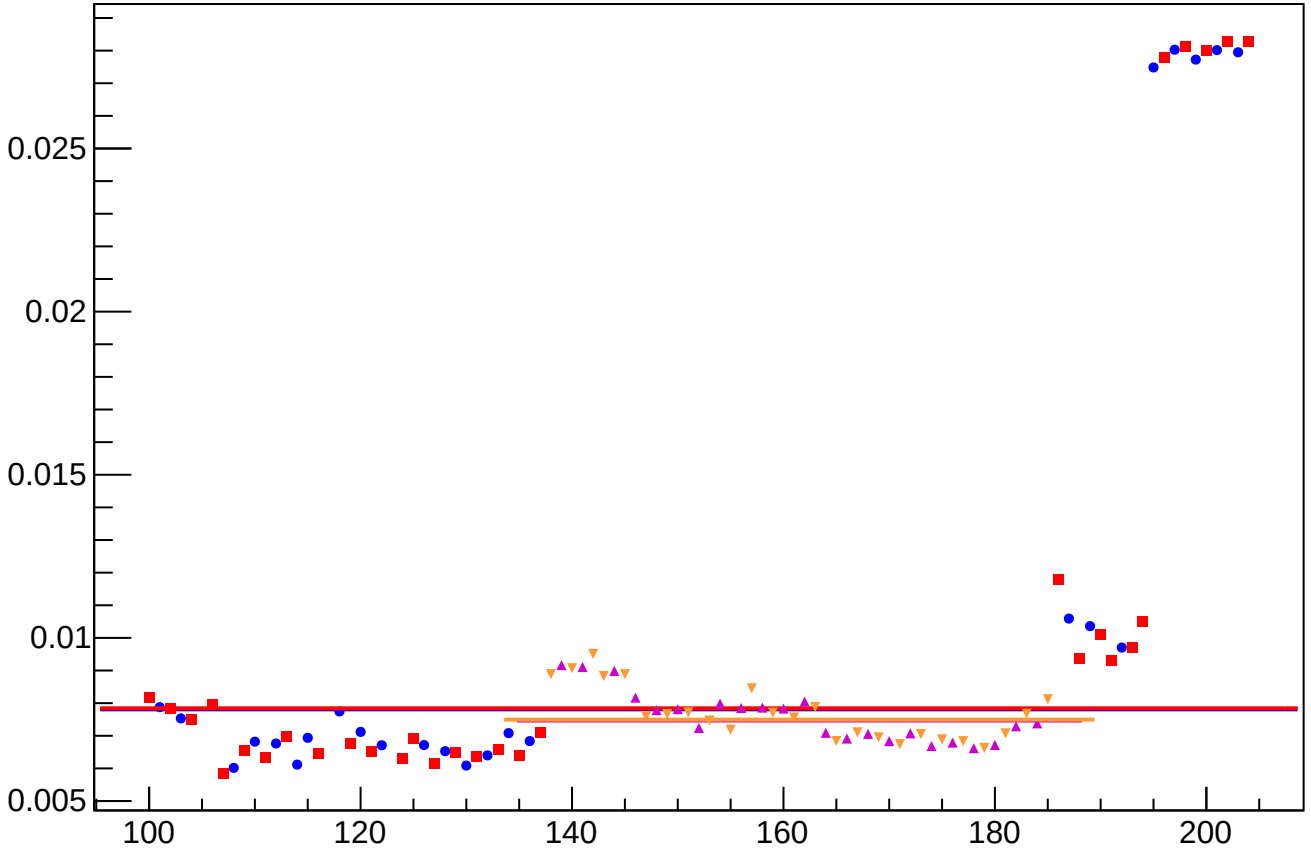
Right: 1.822+/-0.000 χ^2/NDF: 240446399051.8/53

In: 2.370+/-0.000 χ^2/NDF:217016411109.0/46

Out: 2.290+/-0.000 χ^2/NDF:258346925924.4/54

All: 2.328+/-0.000 χ^2/NDF: 476970585575.8

yield_bpm0l06X_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 4982764.8/23

Left Out: 0.007+/-0.000 χ^2/NDF:332673.2/24

Right Out: 0.008+/-0.000 χ^2/NDF: 5320564.8/29

Left In: 0.007+/-0.000 χ^2/NDF:321914.4/22

Left: 0.007+/-0.000 χ^2/NDF: 654825.5/47

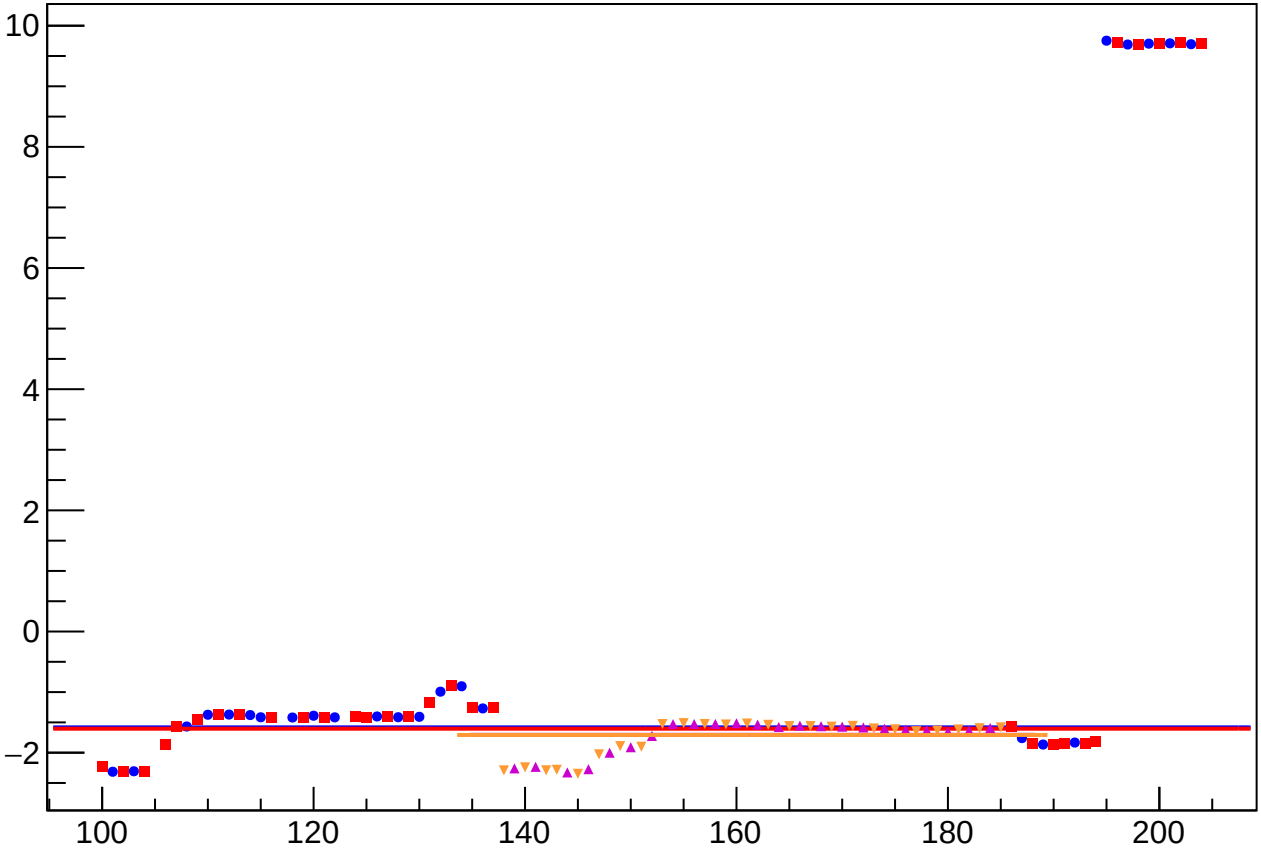
Right: 0.008+/-0.000 χ^2/NDF: 10303497.1/53

In: 0.008+/-0.000 χ^2/NDF:5330496.6/46

Out: 0.008+/-0.000 χ^2/NDF:5682846.2/54

All: 0.008+/-0.000 χ^2/NDF: 11014091.6/101

yield_bpm0l06Y_mean vs Slug, Sign Corrected



Right In: -1.582+/-0.000 χ^2/NDF: 331744848132.5/23

Left Out: -1.708+/-0.000 χ^2/NDF:151845502556.2/24

Right Out: -1.604+/-0.000 χ^2/NDF: 340710755637.3/29

Left In: -1.705+/-0.000 χ^2/NDF:136540618081.0/22

Left: -1.707+/-0.000 χ^2/NDF: 288391574261.0/47

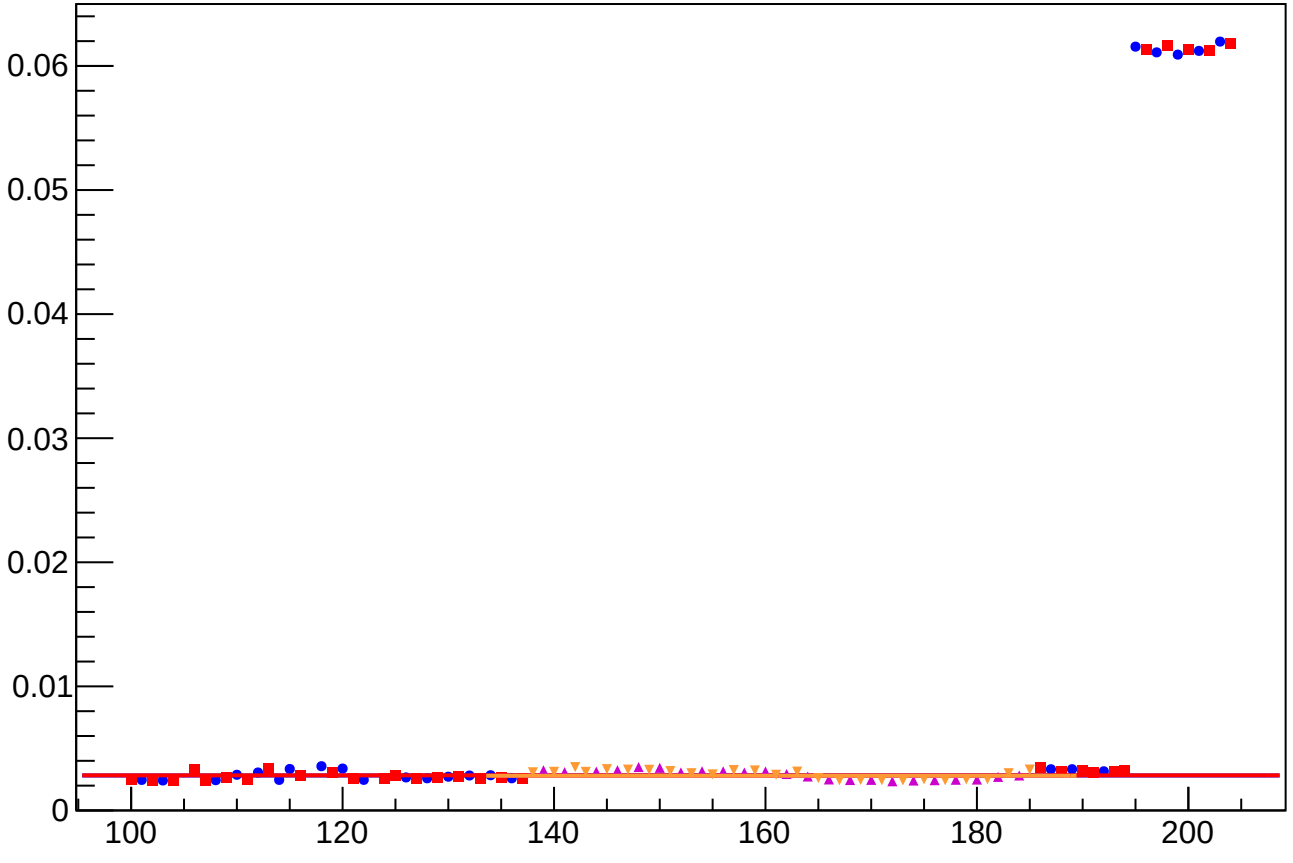
Right: -1.594+/-0.000 χ^2/NDF: 672739510900.5/53

In: -1.664+/-0.000 χ^2/NDF:479353165514.7/46

Out: -1.670+/-0.000 χ^2/NDF:501563783560.2/54

All: -1.667+/-0.000 χ^2/NDF: 980961103390.2

yield_bpm0l06Y_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 8070900.9/23

Left Out: 0.003+/-0.000 χ^2/NDF:547758.3/24

Right Out: 0.003+/-0.000 χ^2/NDF: 8107172.4/29

Left In: 0.003+/-0.000 χ^2/NDF:557113.5/22

Left: 0.003+/-0.000 χ^2/NDF: 1105212.9/47

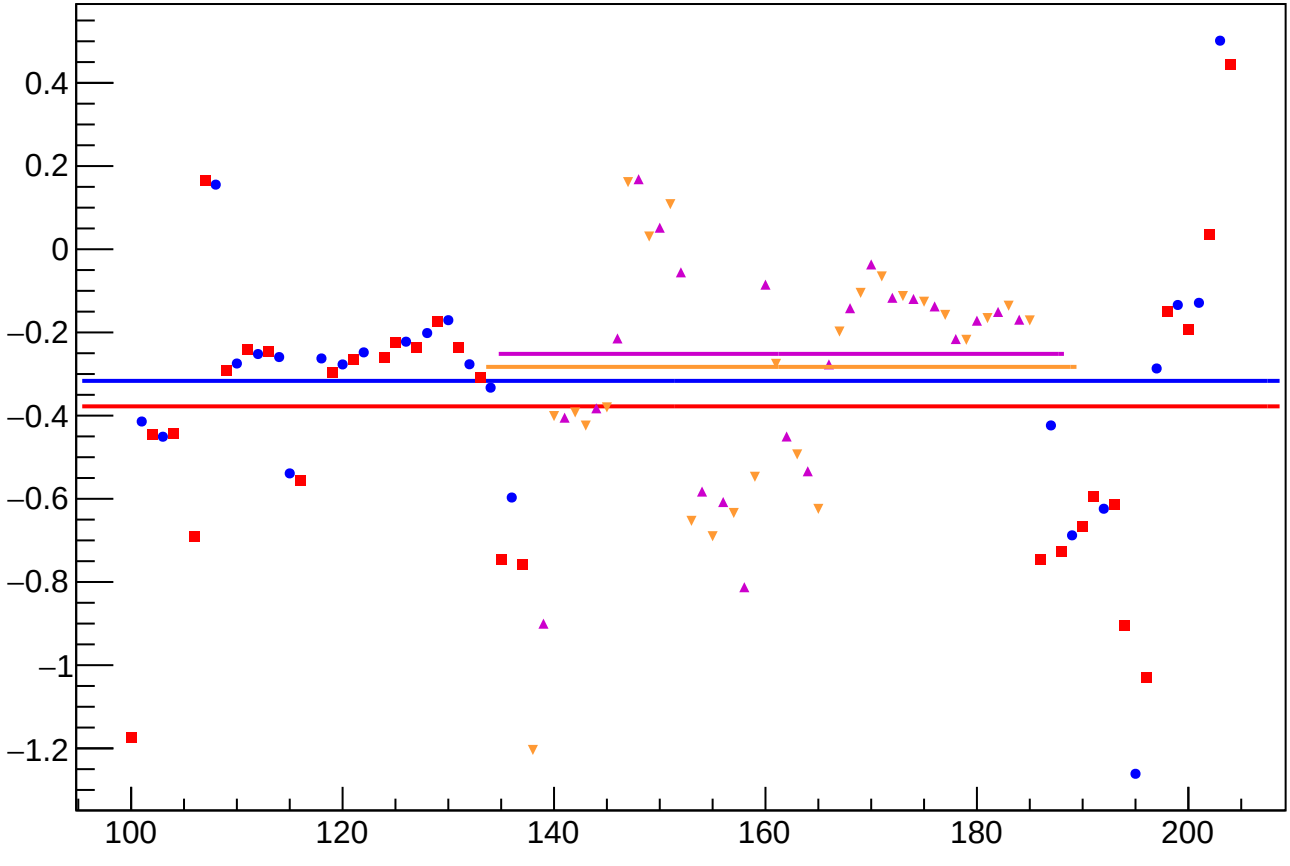
Right: 0.003+/-0.000 χ^2/NDF: 16178248.2/53

In: 0.003+/-0.000 χ^2/NDF:8629632.1/46

Out: 0.003+/-0.000 χ^2/NDF:8656762.6/54

All: 0.003+/-0.000 χ^2/NDF: 17287014.3/101

yield_bpm0l07X_mean vs Slug, Sign Corrected



Right In: -0.316+/-0.000 χ^2/NDF: 6375690112.1/23

Left Out: -0.283+/-0.000 χ^2/NDF:9343511244.8/24

Right Out: -0.378+/-0.000 χ^2/NDF: 7556293828.9/29

Left In: -0.252+/-0.000 χ^2/NDF:7167367678.6/22

Left: -0.267+/-0.000 χ^2/NDF: 16567222880.0/47

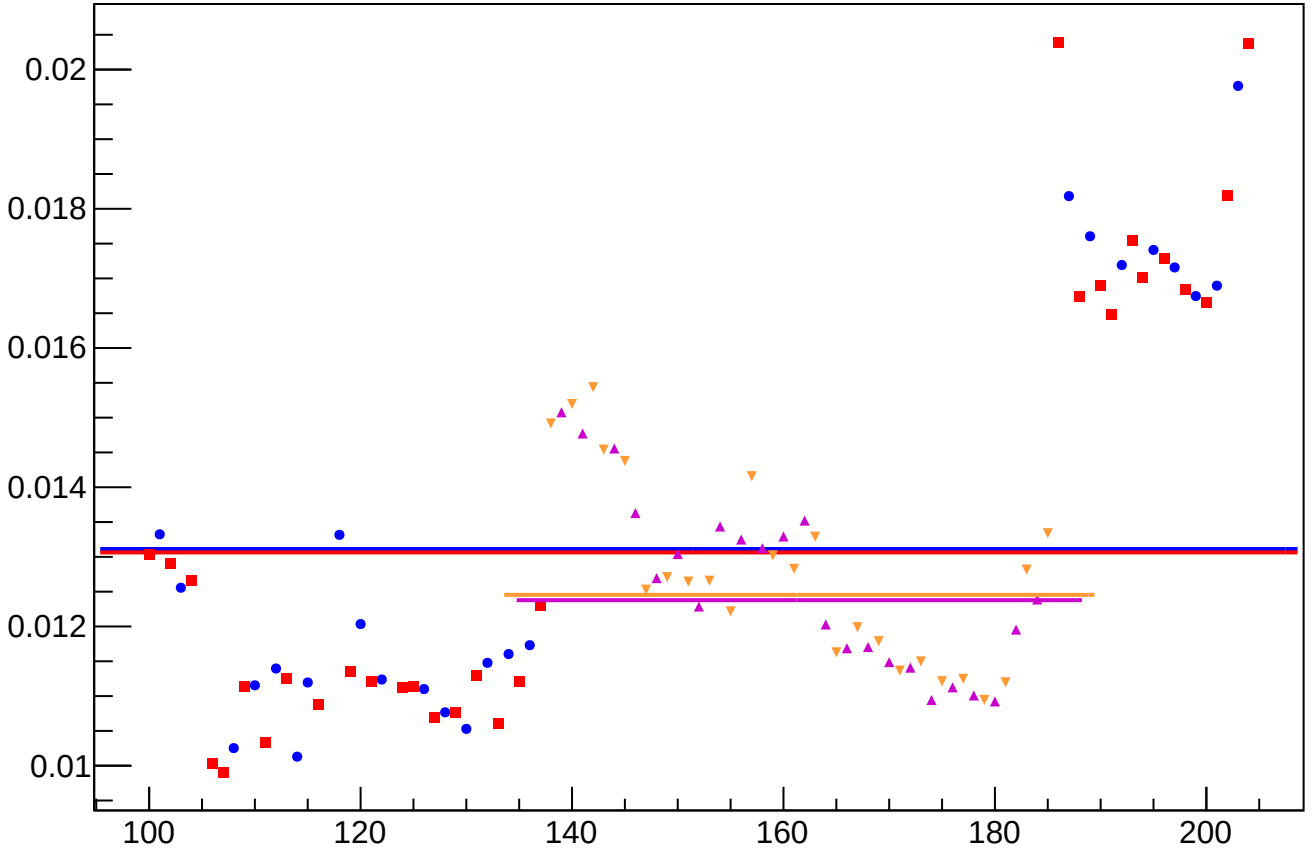
Right: -0.350+/-0.000 χ^2/NDF: 14076506427.7/53

In: -0.277+/-0.000 χ^2/NDF:13727246541.8/46

Out: -0.322+/-0.000 χ^2/NDF:17340395269.0/54

All: -0.300+/-0.000 χ^2/NDF: 31267744750.2/

yield_bpm0l07X_rms vs Slug, Sign Corrected



Right In: 0.013+/-0.000 χ^2/NDF: 1101353.3/23

Left Out: 0.012+/-0.000 χ^2/NDF:341430.5/24

Right Out: 0.013+/-0.000 χ^2/NDF: 1545438.5/29

Left In: 0.012+/-0.000 χ^2/NDF:326925.9/22

Left: 0.012+/-0.000 χ^2/NDF: 669035.7/47

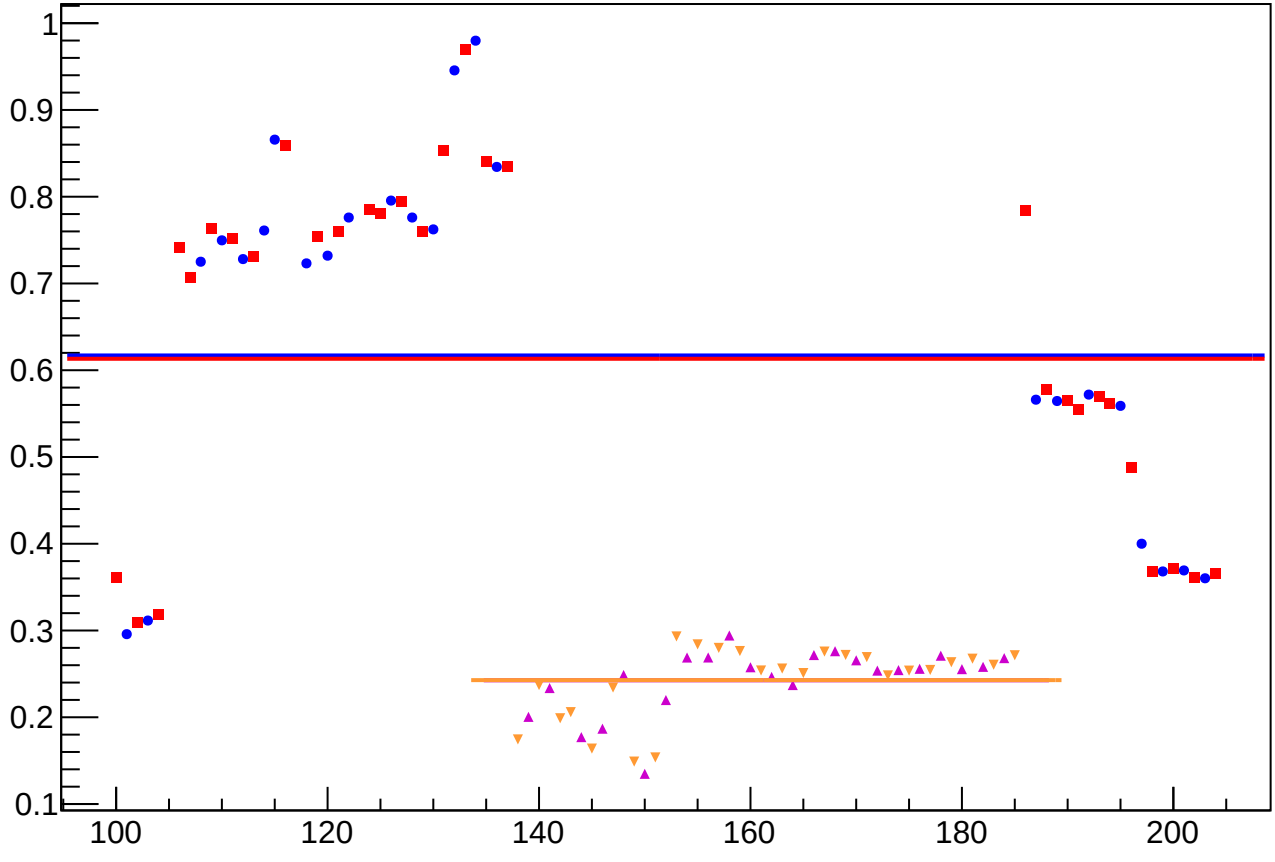
Right: 0.013+/-0.000 χ^2/NDF: 2646977.3/53

In: 0.013+/-0.000 χ^2/NDF:1475524.5/46

Out: 0.013+/-0.000 χ^2/NDF:1923184.7/54

All: 0.013+/-0.000 χ^2/NDF: 3399108.9/101

yield_bpm0l07Y_mean vs Slug, Sign Corrected



Right In: 0.617+/-0.000 χ^2/NDF: 80520907480.5/23

Left Out: 0.243+/-0.000 χ^2/NDF:7290530687.7/24

Right Out: 0.613+/-0.000 χ^2/NDF: 80210709038.3/29

Left In: 0.243+/-0.000 χ^2/NDF:5781231269.1/22

Left: 0.243+/-0.000 χ^2/NDF: 13071863849.3/47

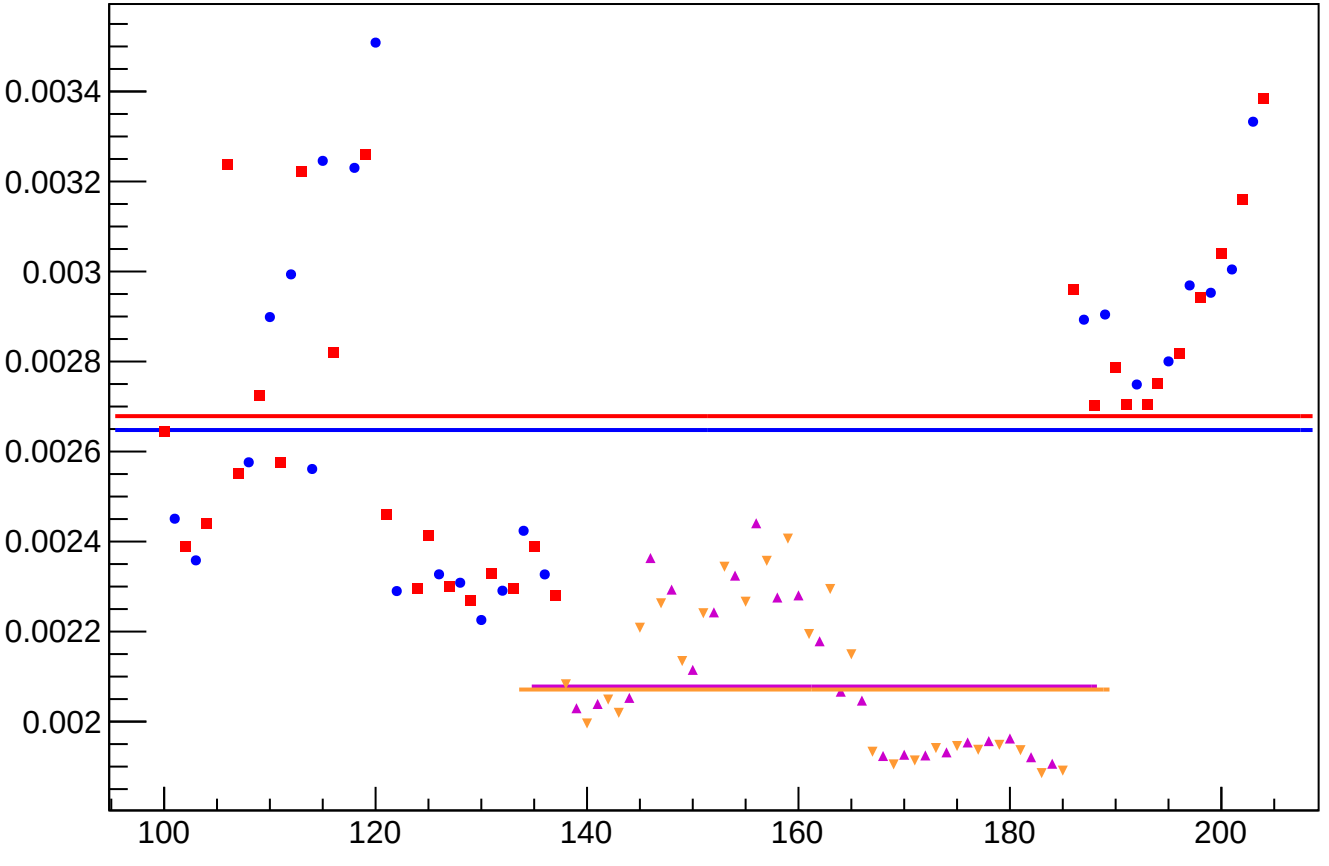
Right: 0.615+/-0.000 χ^2/NDF: 160745607465.4/53

In: 0.355+/-0.000 χ^2/NDF:262128129382.5/46

Out: 0.360+/-0.000 χ^2/NDF:279909857358.4/54

All: 0.357+/-0.000 χ^2/NDF: 542112512242.3

yield_bpm0l07Y_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 426529.5/23

Left Out: 0.002+/-0.000 χ^2/NDF:233799.0/24

Right Out: 0.003+/-0.000 χ^2/NDF: 412410.5/29

Left In: 0.002+/-0.000 χ^2/NDF:211544.0/22

Left: 0.002+/-0.000 χ^2/NDF: 445534.4/47

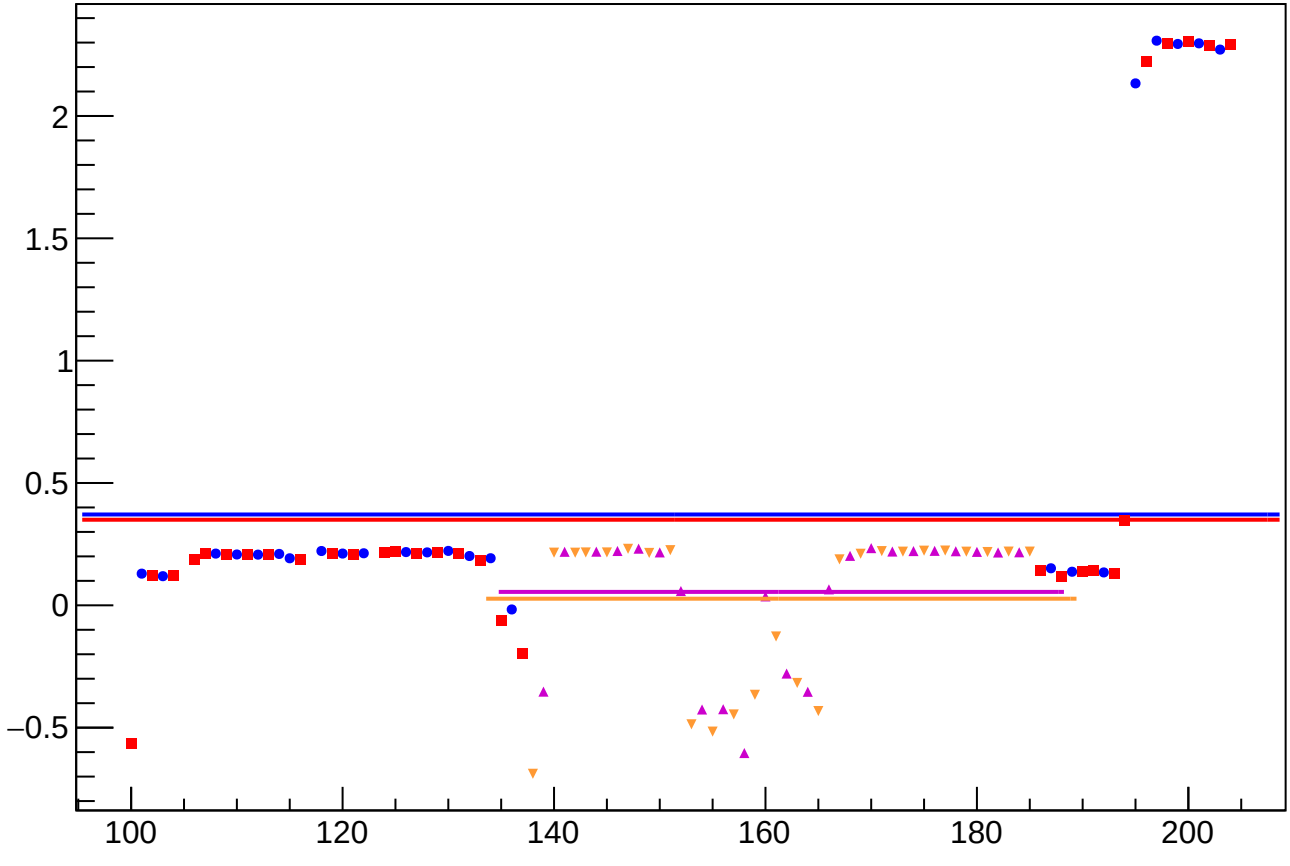
Right: 0.003+/-0.000 χ^2/NDF: 840759.0/53

In: 0.002+/-0.000 χ^2/NDF:1452692.9/46

Out: 0.002+/-0.000 χ^2/NDF:1681128.9/54

All: 0.002+/-0.000 χ^2/NDF: 3135081.5/101

yield_bpm0l08X_mean vs Slug, Sign Corrected



Right In: 0.371+/-0.000 χ^2/NDF: 32812929325.6/23

Left Out: 0.027+/-0.000 χ^2/NDF:12975171876.0/24

Right Out: 0.350+/-0.000 χ^2/NDF: 36593747024.1/29

Left In: 0.055+/-0.000 χ^2/NDF:9704180322.0/22

Left: 0.041+/-0.000 χ^2/NDF: 22733670617.6/47

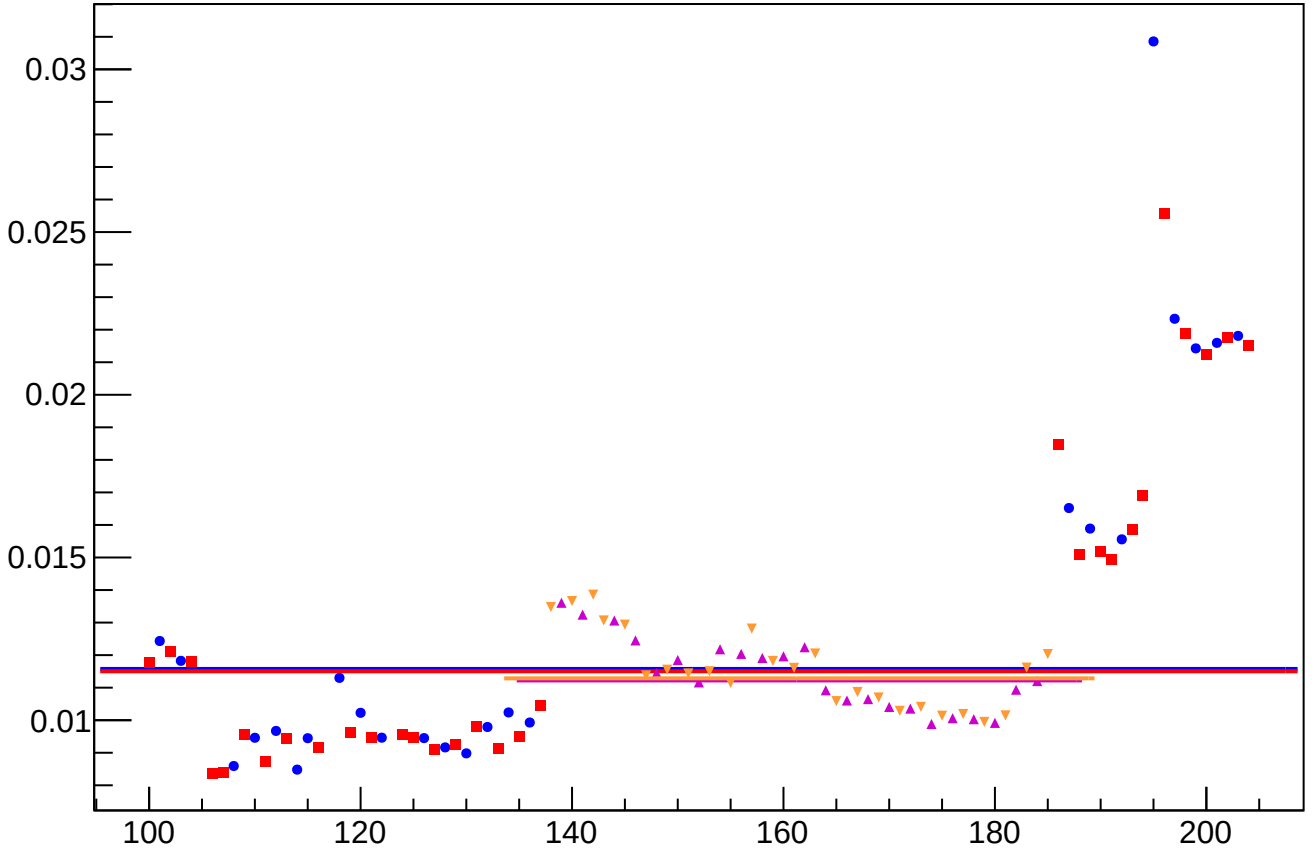
Right: 0.360+/-0.000 χ^2/NDF: 69427897300.2/53

In: 0.176+/-0.000 χ^2/NDF:47774040250.4/46

Out: 0.161+/-0.000 χ^2/NDF:55755716425.0/54

All: 0.168+/-0.000 χ^2/NDF: 103556188949.2

yield_bpm0l08X_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 2960117.4/23

Left Out: 0.011+/-0.000 χ^2/NDF:328248.0/24

Right Out: 0.012+/-0.000 χ^2/NDF: 3298151.5/29

Left In: 0.011+/-0.000 χ^2/NDF:315246.6/22

Left: 0.011+/-0.000 χ^2/NDF: 644069.7/47

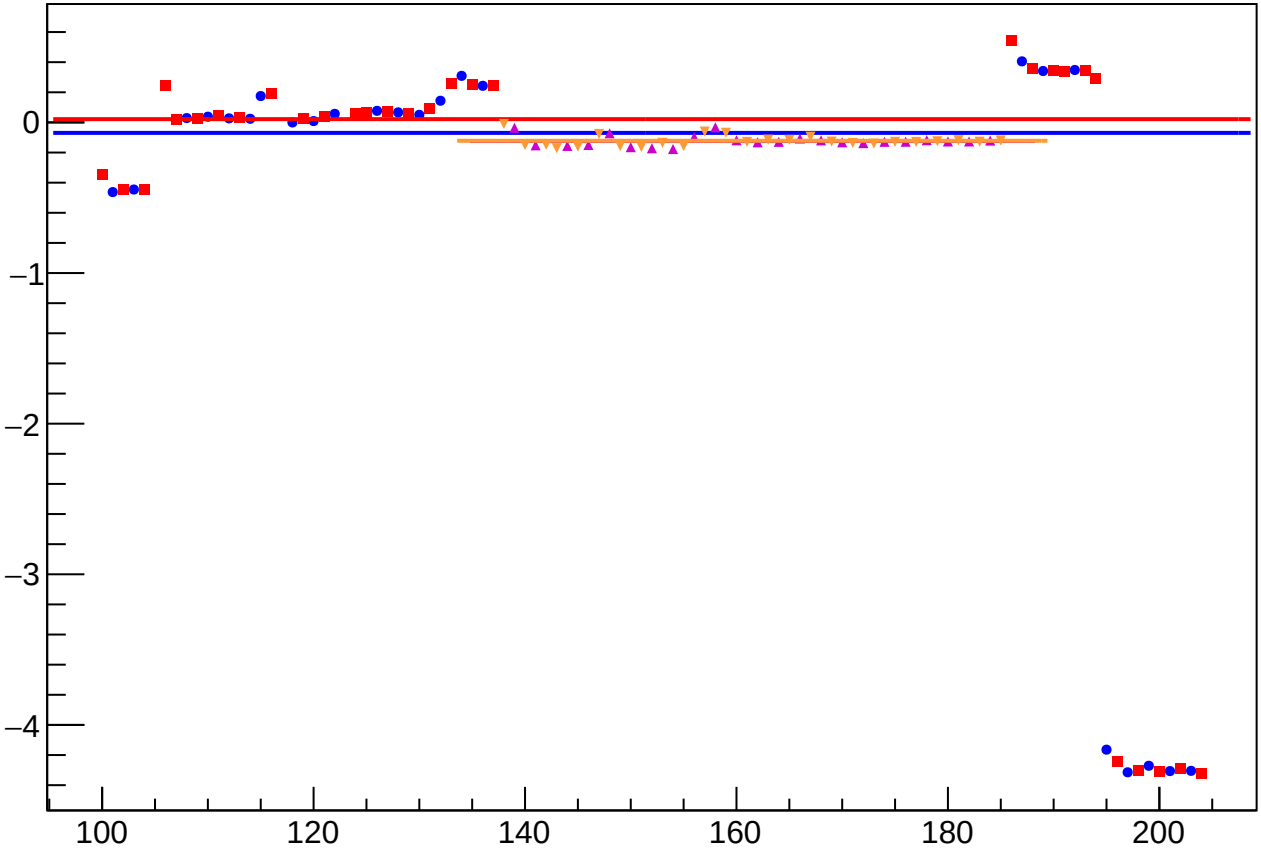
Right: 0.012+/-0.000 χ^2/NDF: 6258749.3/53

In: 0.011+/-0.000 χ^2/NDF:3288440.4/46

Out: 0.011+/-0.000 χ^2/NDF:3631980.7/54

All: 0.011+/-0.000 χ^2/NDF: 6920505.0/101

yield_bpm0l08Y_mean vs Slug, Sign Corrected



Right In: -0.069+/-0.000 χ^2/NDF: 252324628534.5/23

Left Out: -0.122+/-0.000 χ^2/NDF:2922583819.6/24

Right Out: 0.022+/-0.000 χ^2/NDF: 286149153956.7/29

Left In: -0.124+/-0.000 χ^2/NDF:2809457047.2/22

Left: -0.123+/-0.000 χ^2/NDF: 5736373212.1/47

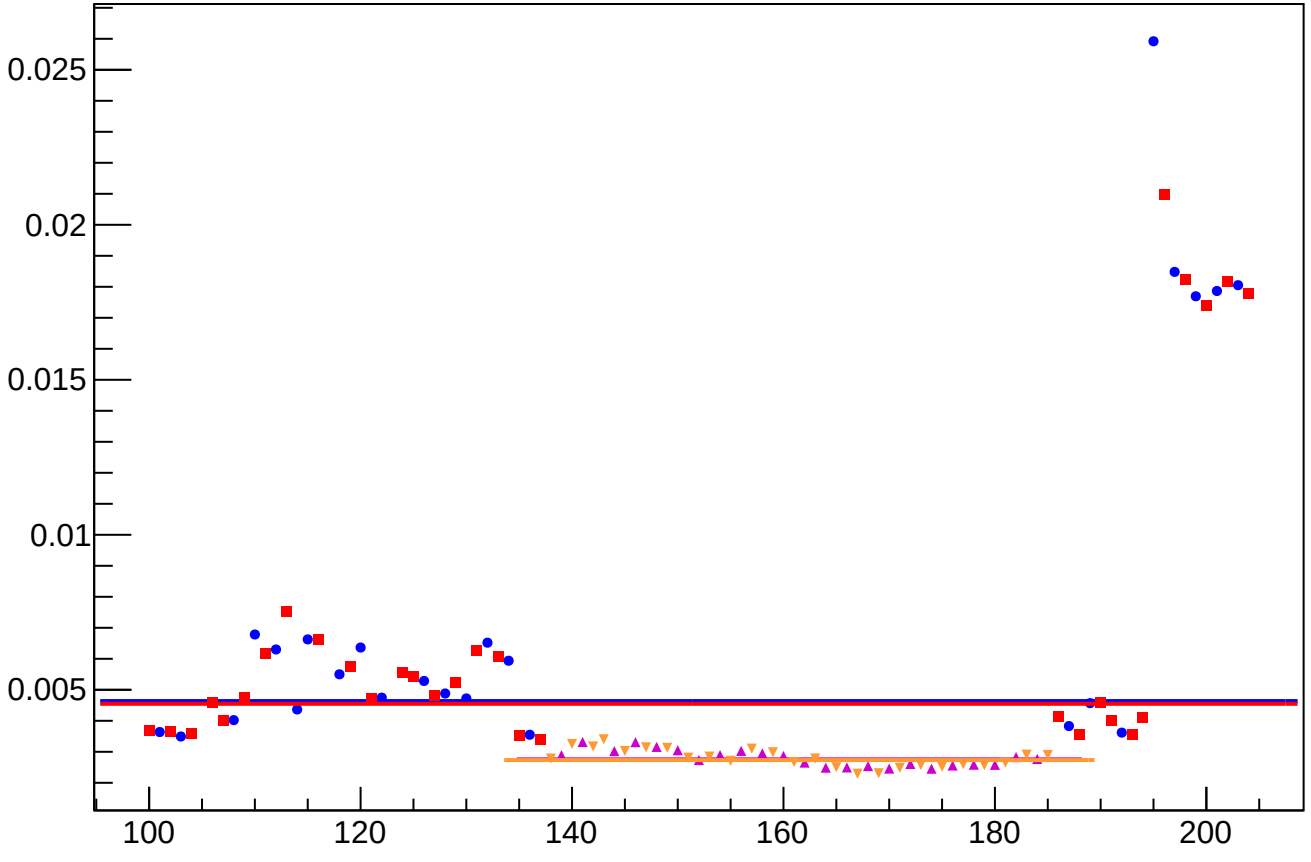
Right: -0.019+/-0.000 χ^2/NDF: 540504653154.9/53

In: -0.115+/-0.000 χ^2/NDF:256211991196.5/46

Out: -0.095+/-0.000 χ^2/NDF:298336583227.5/54

All: -0.105+/-0.000 χ^2/NDF: 555090070386.3

yield_bpm0l08Y_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 5796766.3/23

Left Out: 0.003+/-0.000 χ^2/NDF:391885.5/24

Right Out: 0.005+/-0.000 χ^2/NDF: 5823081.8/29

Left In: 0.003+/-0.000 χ^2/NDF:293113.7/22

Left: 0.003+/-0.000 χ^2/NDF: 686267.5/47

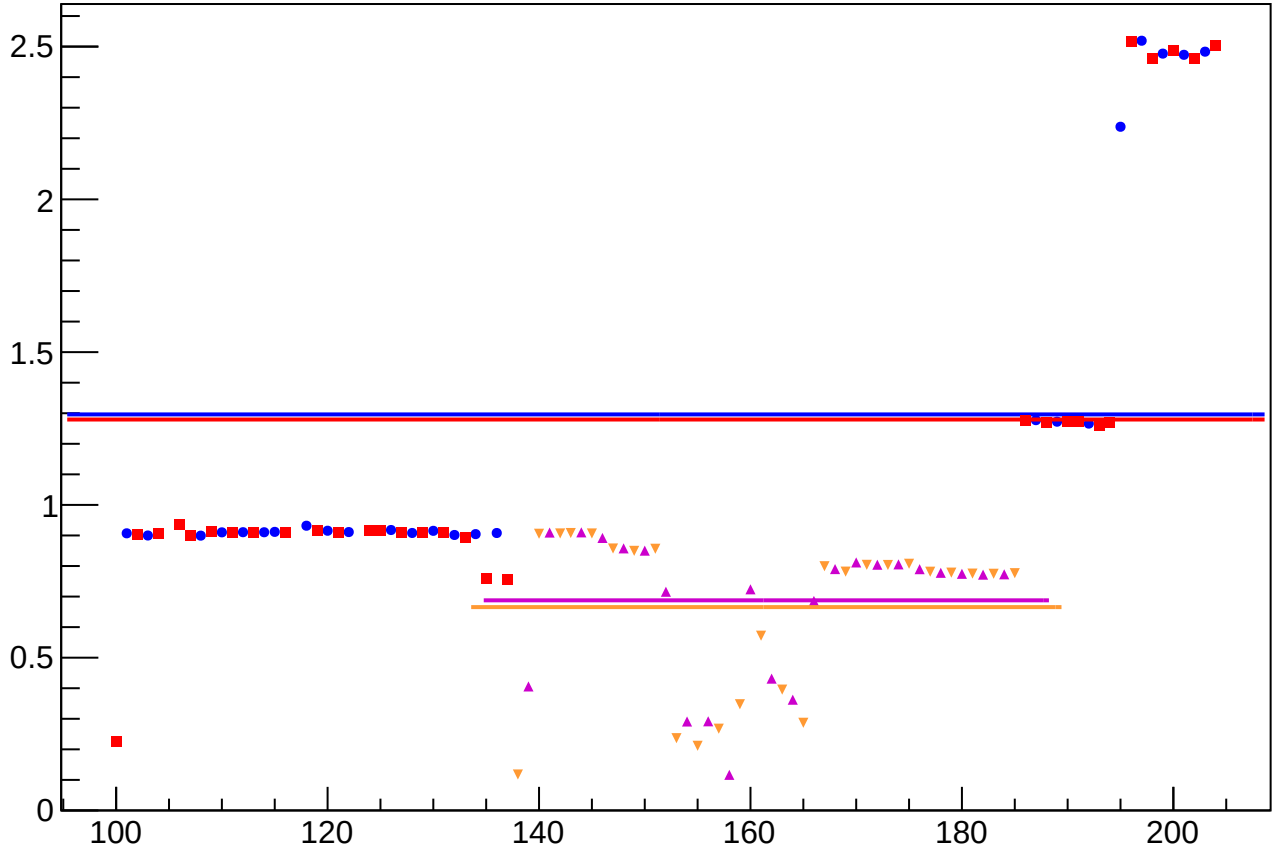
Right: 0.005+/-0.000 χ^2/NDF: 11623595.8/53

In: 0.003+/-0.000 χ^2/NDF:8688355.1/46

Out: 0.003+/-0.000 χ^2/NDF:9182042.5/54

All: 0.003+/-0.000 χ^2/NDF: 17870531.7/101

yield_bpm0l09X_mean vs Slug, Sign Corrected



Right In: 1.296+/-0.000 χ^2/NDF: 34624638442.0/23

Left Out: 0.666+/-0.000 χ^2/NDF:9213839939.9/24

Right Out: 1.279+/-0.000 χ^2/NDF: 39831564052.2/29

Left In: 0.688+/-0.000 χ^2/NDF:6999062215.3/22

Left: 0.676+/-0.000 χ^2/NDF: 16249398180.7/47

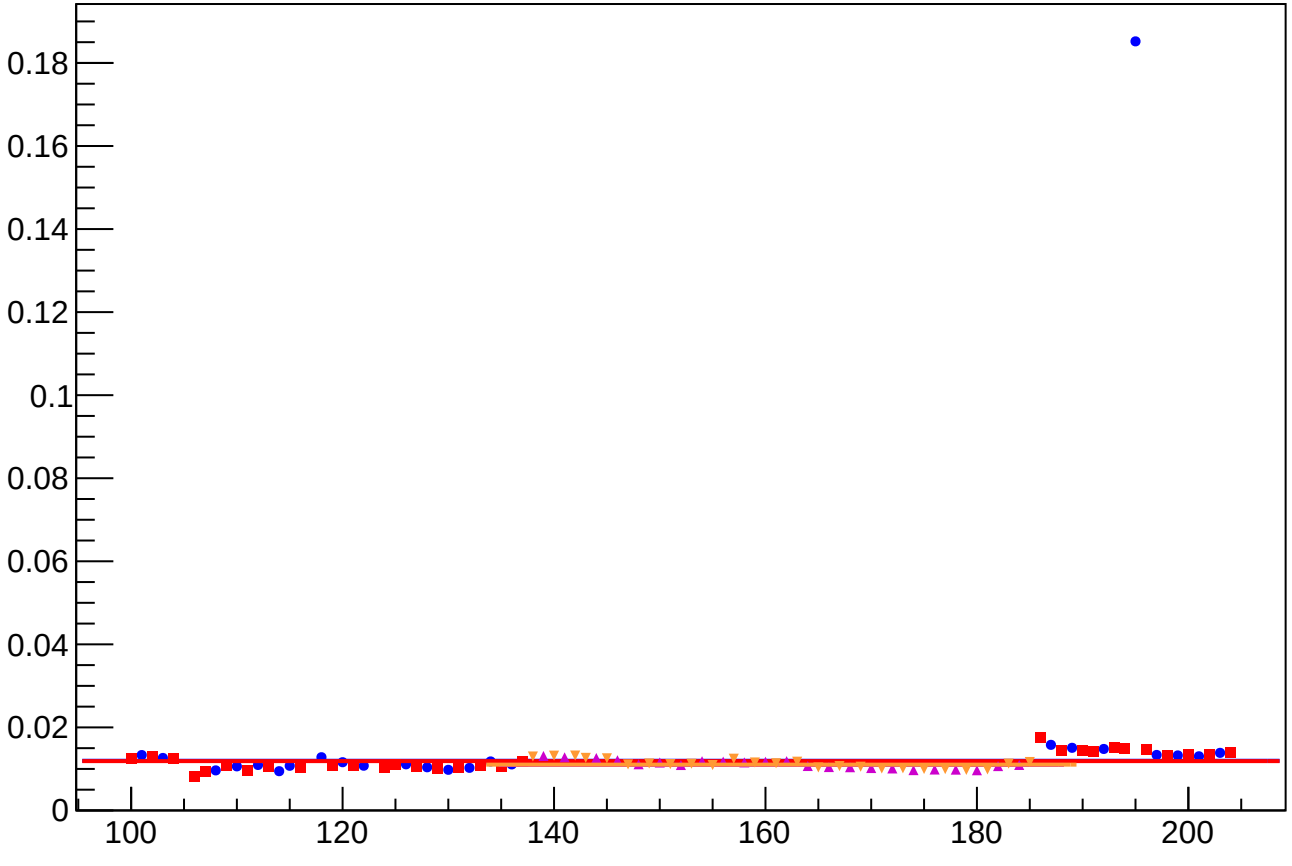
Right: 1.287+/-0.000 χ^2/NDF: 74468740848.9/53

In: 0.908+/-0.000 χ^2/NDF:61049485068.4/46

Out: 0.909+/-0.000 χ^2/NDF:71700676509.4/54

All: 0.909+/-0.000 χ^2/NDF: 132750461356.6

yield_bpm0l09X_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 1974948.3/23

Left Out: 0.011+/-0.000 χ^2/NDF:299445.0/24

Right Out: 0.012+/-0.000 χ^2/NDF: 779108.2/29

Left In: 0.011+/-0.000 χ^2/NDF:287650.0/22

Left: 0.011+/-0.000 χ^2/NDF: 587697.9/47

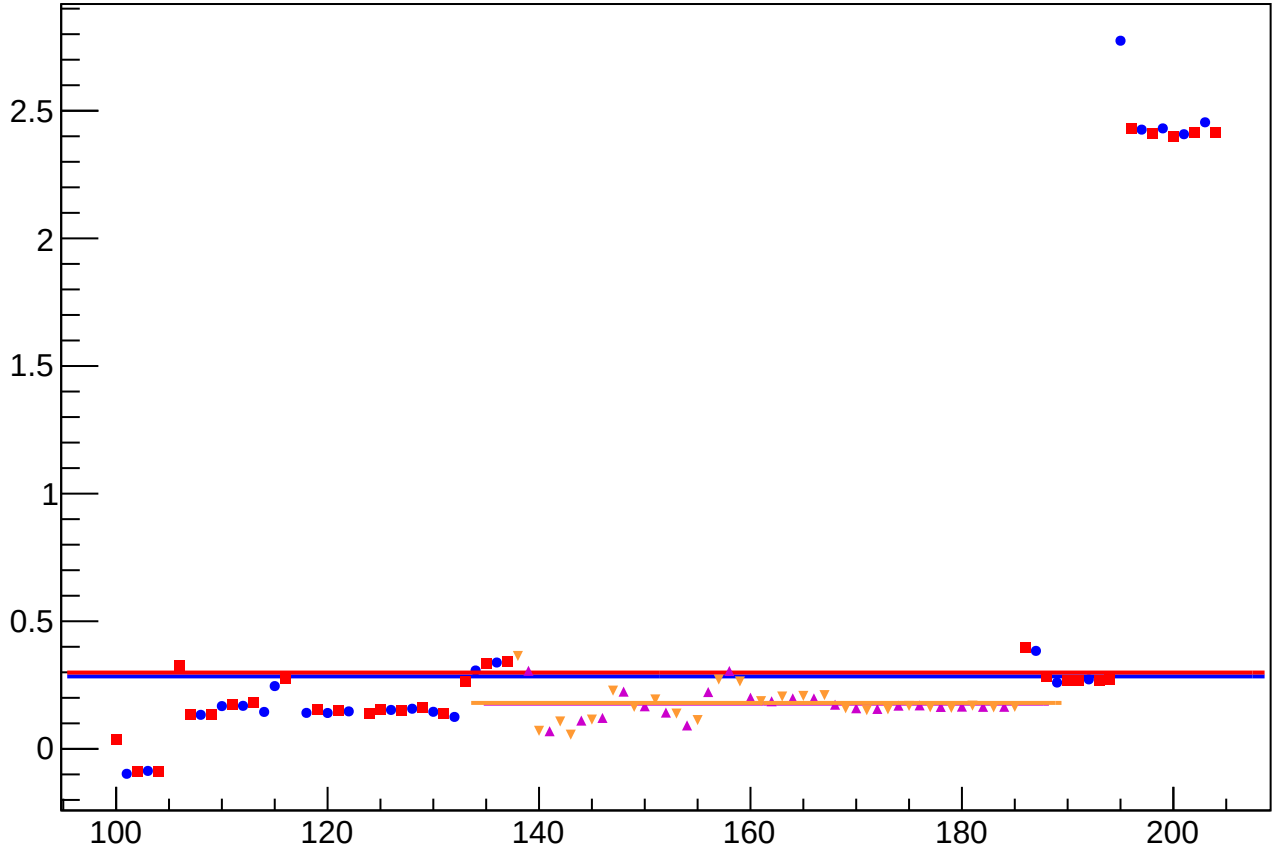
Right: 0.012+/-0.000 χ^2/NDF: 2754728.3/53

In: 0.011+/-0.000 χ^2/NDF:2367779.3/46

Out: 0.011+/-0.000 χ^2/NDF:1165600.7/54

All: 0.011+/-0.000 χ^2/NDF: 3533756.0/101

yield_bpm0l09Y_mean vs Slug, Sign Corrected



Right In: 0.284+/-0.000 χ^2/NDF: 106528900158.6/23

Left Out: 0.180+/-0.000 χ^2/NDF:6448853953.3/24

Right Out: 0.299+/-0.000 χ^2/NDF: 112645773453.5/29

Left In: 0.177+/-0.000 χ^2/NDF:4620854117.7/22

Left: 0.179+/-0.000 χ^2/NDF: 11077549854.5/47

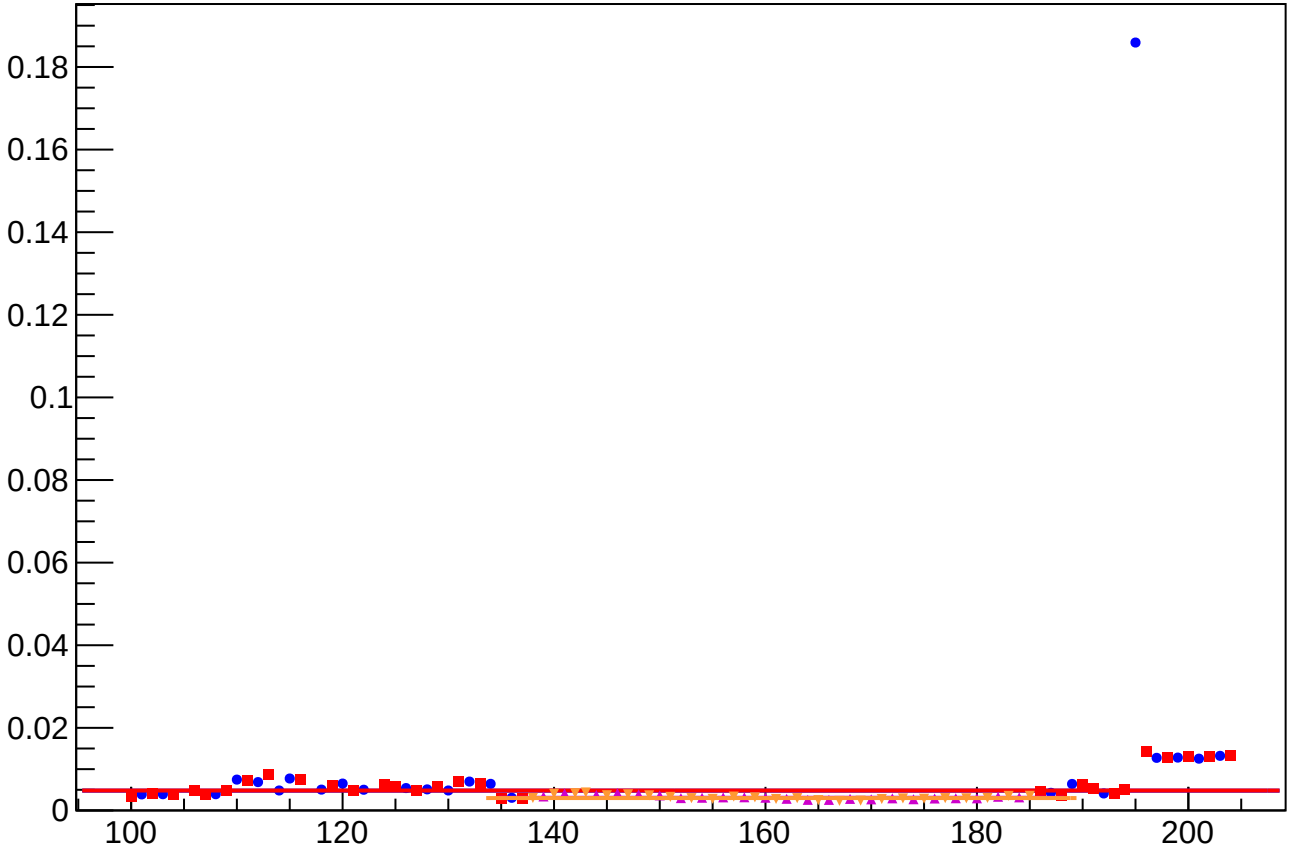
Right: 0.292+/-0.000 χ^2/NDF: 219224722826.8/53

In: 0.197+/-0.000 χ^2/NDF:114883502763.7/46

Out: 0.204+/-0.000 χ^2/NDF:124556613566.9/54

All: 0.200+/-0.000 χ^2/NDF: 239490067036.2

yield_bpm0l09Y_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 5389624.7/23

Left Out: 0.003+/-0.000 χ^2/NDF:888350.2/24

Right Out: 0.005+/-0.000 χ^2/NDF: 4507227.3/29

Left In: 0.003+/-0.000 χ^2/NDF:587459.6/22

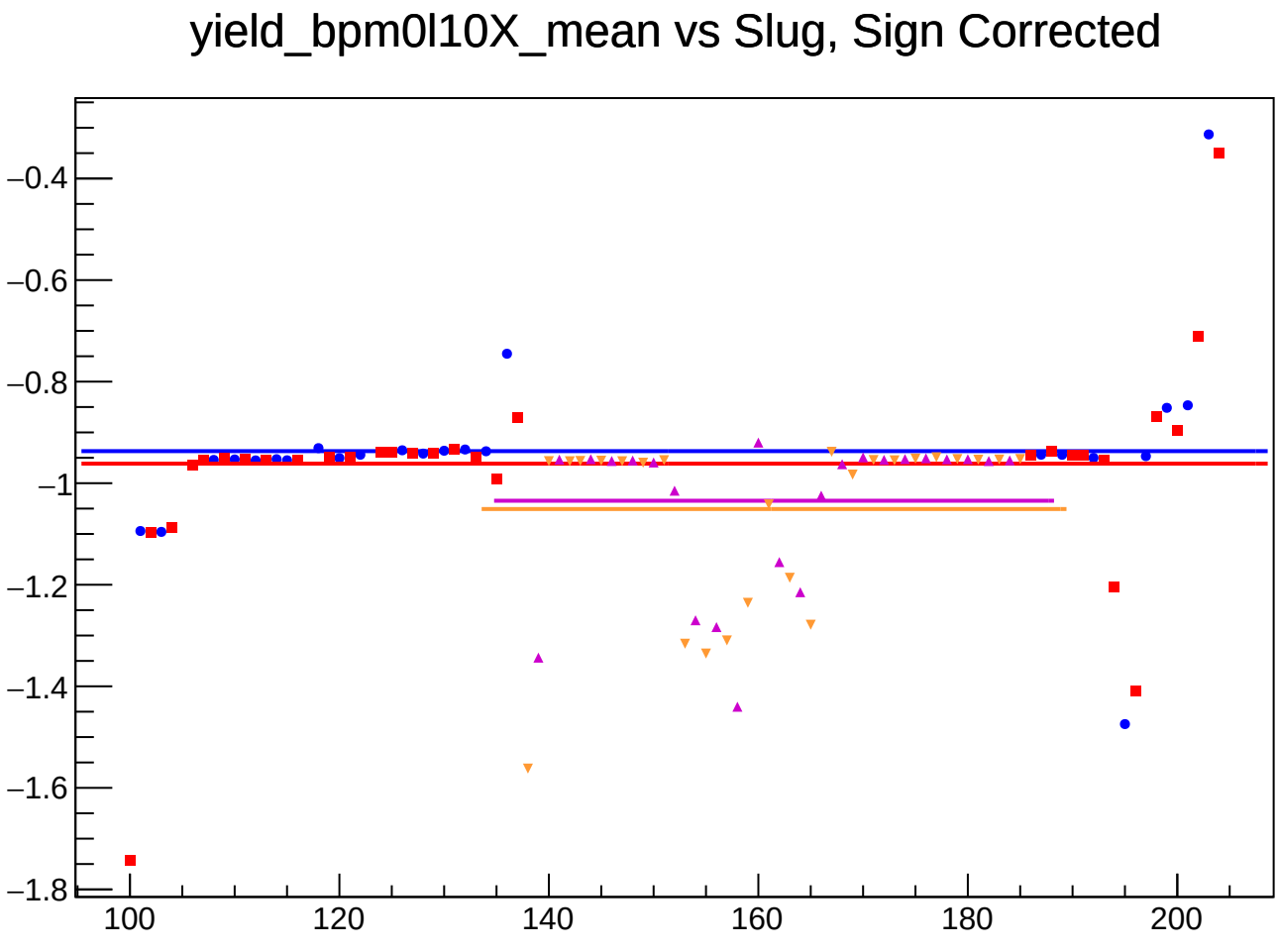
Left: 0.003+/-0.000 χ^2/NDF: 1485282.4/47

Right: 0.005+/-0.000 χ^2/NDF: 9897395.2/53

In: 0.003+/-0.000 χ^2/NDF:7912692.8/46

Out: 0.003+/-0.000 χ^2/NDF:7966496.2/54

All: 0.003+/-0.000 χ^2/NDF: 15881217.2/101



Right In: -0.937+/-0.000 χ^2/NDF: 3463281777.2/23

Left Out: -1.051+/-0.000 χ^2/NDF:5082084184.4/24

Right Out: -0.961+/-0.000 χ^2/NDF: 3456231864.1/29

Left In: -1.035+/-0.000 χ^2/NDF:3925761523.9/22

Left: -1.043+/-0.000 χ^2/NDF: 9032853026.0/47

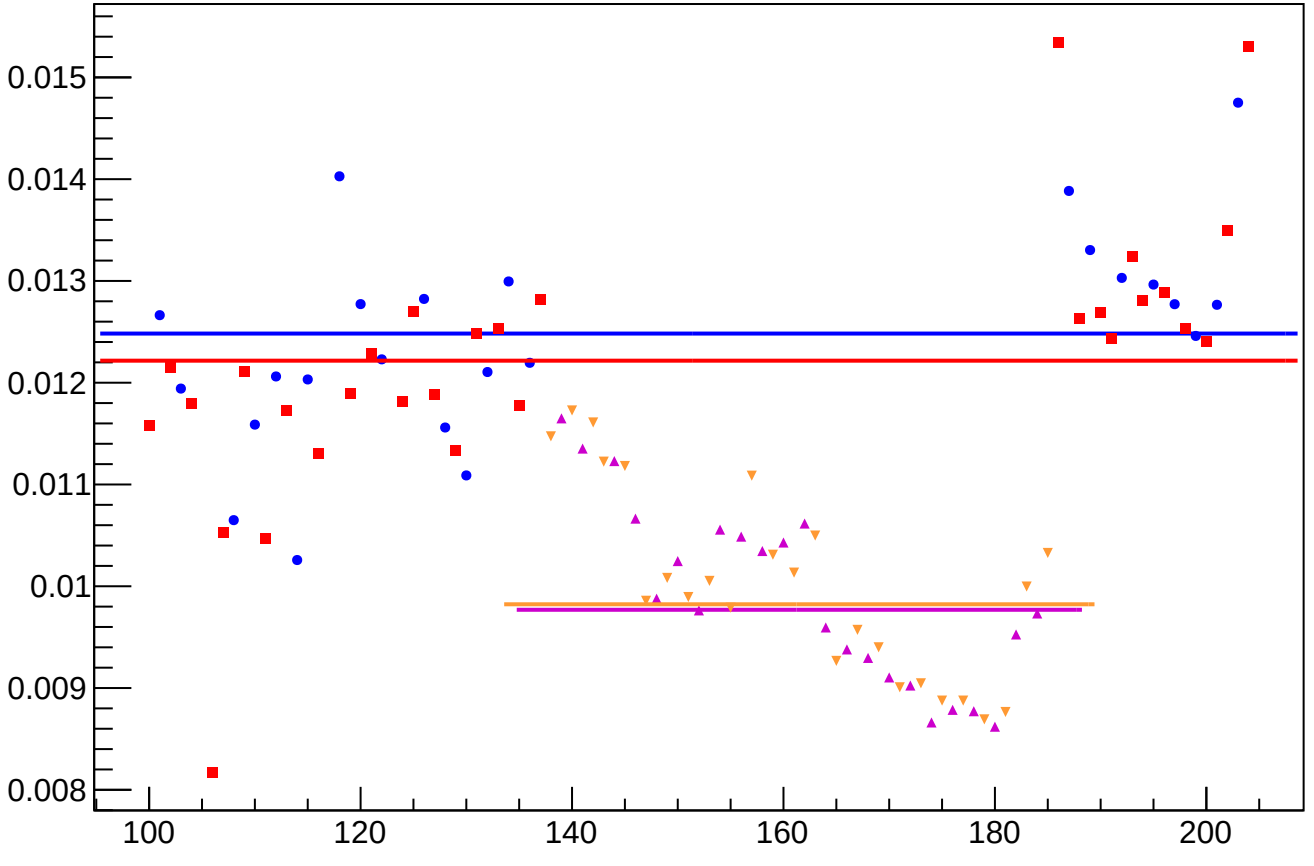
Right: -0.950+/-0.000 χ^2/NDF: 6946619682.1/53

In: -1.005+/-0.000 χ^2/NDF:7927224647.9/46

Out: -1.020+/-0.000 χ^2/NDF:9061417413.2/54

All: -1.013+/-0.000 χ^2/NDF: 17023178228.4/

yield_bpm0l10X_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 134929.2/23

Left Out: 0.010+/-0.000 χ^2/NDF:293862.1/24

Right Out: 0.012+/-0.000 χ^2/NDF: 342630.9/29

Left In: 0.010+/-0.000 χ^2/NDF:281817.4/22

Left: 0.010+/-0.000 χ^2/NDF: 576227.7/47

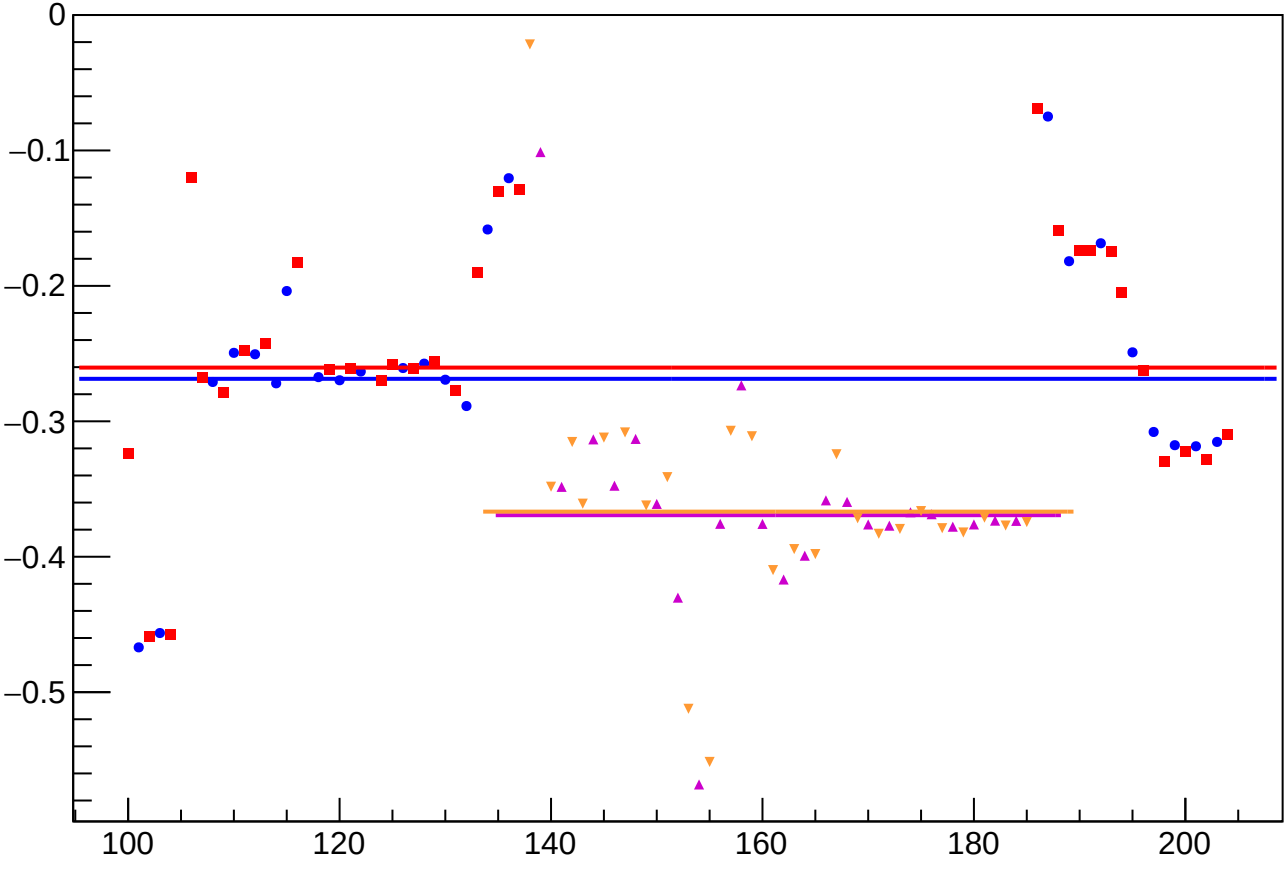
Right: 0.012+/-0.000 χ^2/NDF: 483915.4/53

In: 0.011+/-0.000 χ^2/NDF:1248001.6/46

Out: 0.011+/-0.000 χ^2/NDF:1386764.5/54

All: 0.011+/-0.000 χ^2/NDF: 2635177.4/101

yield_bpm0l10Y_mean vs Slug, Sign Corrected



Right In: -0.269+/-0.000 χ^2/NDF: 7708547387.0/23

Left Out: -0.367+/-0.000 χ^2/NDF:11945266102.2/24

Right Out: -0.260+/-0.000 χ^2/NDF: 8183842917.1/29

Left In: -0.369+/-0.000 χ^2/NDF:7581323027.3/22

Left: -0.368+/-0.000 χ^2/NDF: 19531807890.3/47

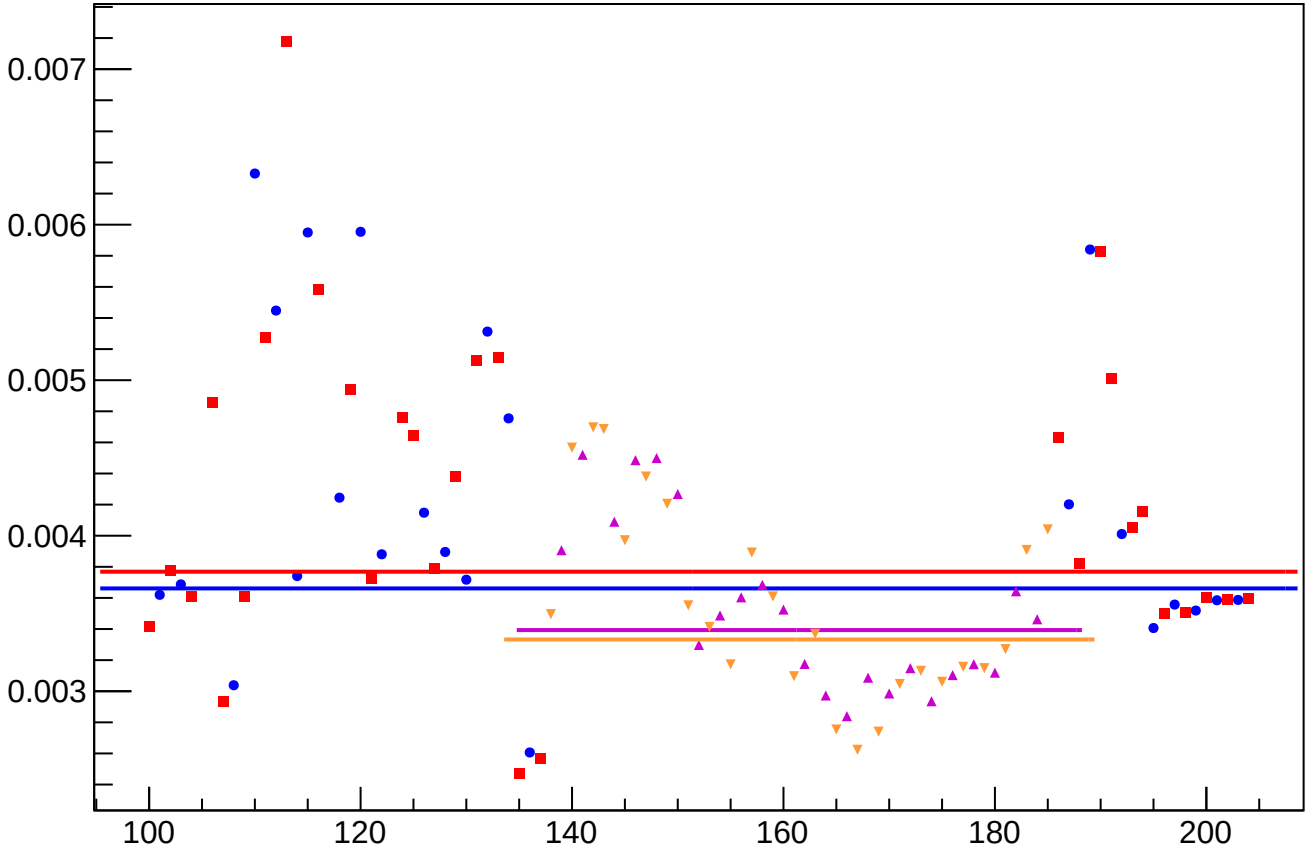
Right: -0.264+/-0.000 χ^2/NDF: 15923417708.4/53

In: -0.332+/-0.000 χ^2/NDF:20728737051.4/46

Out: -0.327+/-0.000 χ^2/NDF:26862466455.8/54

All: -0.329+/-0.000 χ^2/NDF: 47623938111.2/

yield_bpm0l10Y_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 902846.1/23

Left Out: 0.003+/-0.000 χ^2/NDF:857705.2/24

Right Out: 0.004+/-0.000 χ^2/NDF: 1082313.5/29

Left In: 0.003+/-0.000 χ^2/NDF:633604.8/22

Left: 0.003+/-0.000 χ^2/NDF: 1496833.9/47

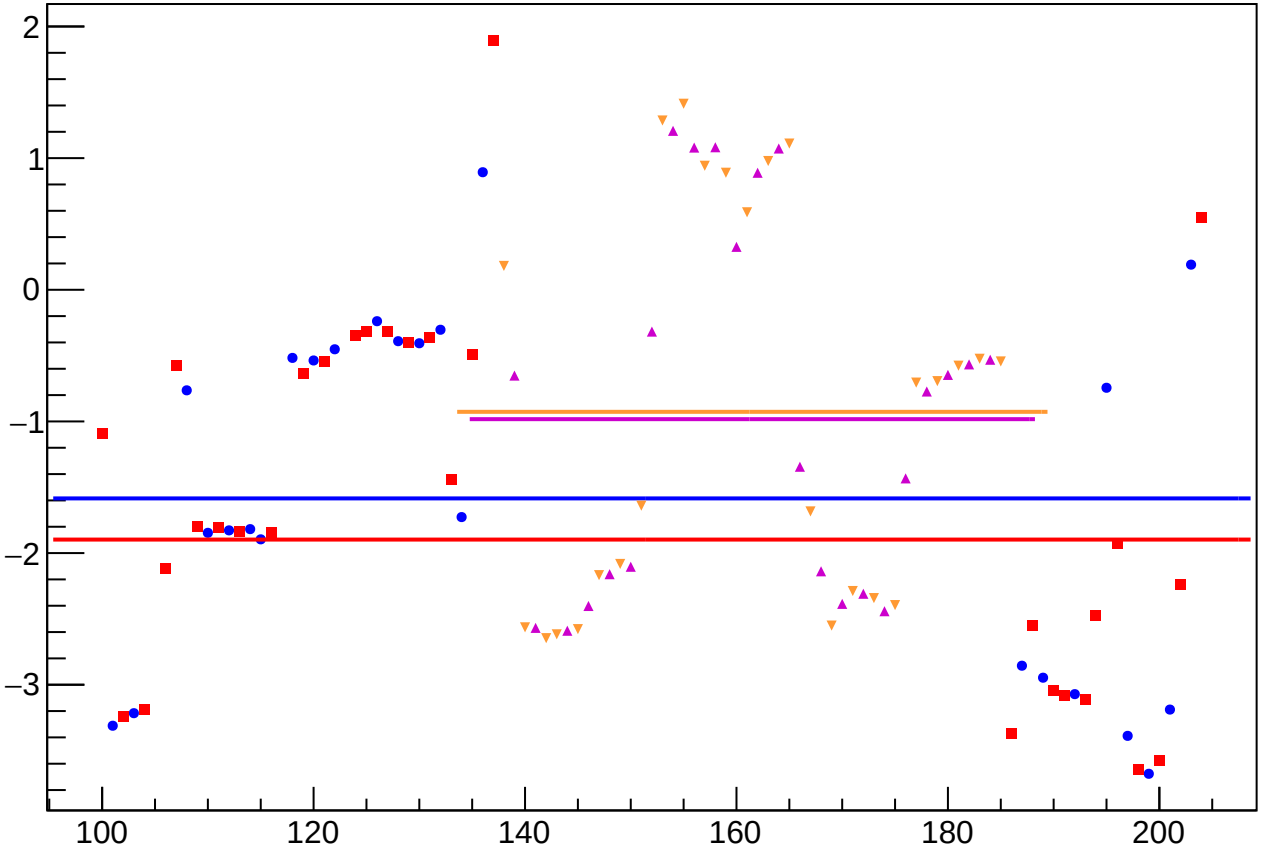
Right: 0.004+/-0.000 χ^2/NDF: 1995594.8/53

In: 0.003+/-0.000 χ^2/NDF:1613374.0/46

Out: 0.003+/-0.000 χ^2/NDF:2166193.9/54

All: 0.003+/-0.000 χ^2/NDF: 3779606.2/101

yield_bpm0r03X_mean vs Slug, Sign Corrected



Right In: -1.585+/-0.000 χ^2/NDF: 5253098952.7/23

Left Out: -0.927+/-0.000 χ^2/NDF:7248712470.7/24

Right Out: -1.897+/-0.000 χ^2/NDF: 4615679592.8/29

Left In: -0.983+/-0.000 χ^2/NDF:5918975536.0/22

Left: -0.954+/-0.000 χ^2/NDF: 13173158507.1/47

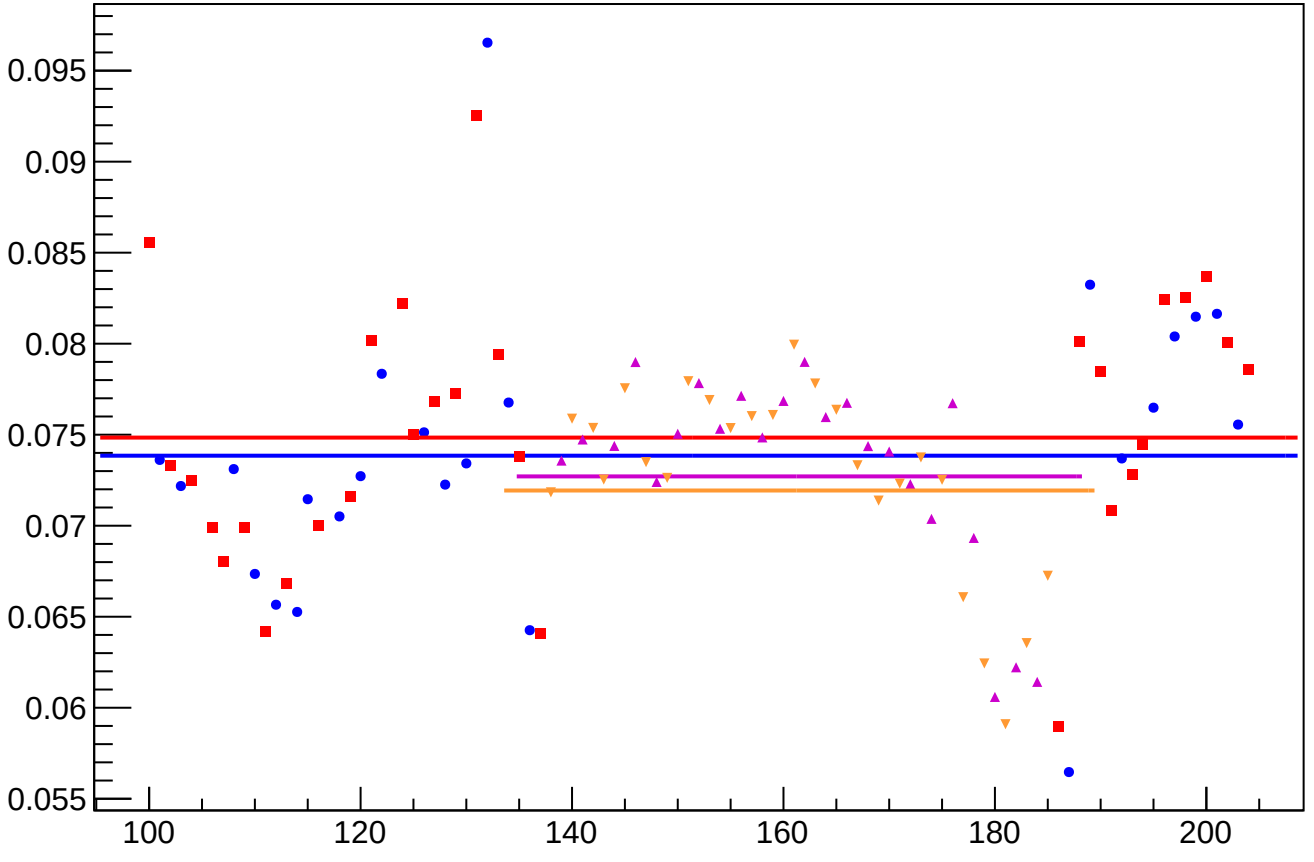
Right: -1.752+/-0.000 χ^2/NDF: 9991723062.1/53

In: -1.230+/-0.000 χ^2/NDF:11675750904.7/46

Out: -1.338+/-0.000 χ^2/NDF:13327207712.9/54

All: -1.287+/-0.000 χ^2/NDF: 25038496663.9/

yield_bpm0r03X_rms vs Slug, Sign Corrected



Right In: 0.074+/-0.000 χ^2/NDF: 205620.6/23

Left Out: 0.072+/-0.000 χ^2/NDF:235534.6/24

Right Out: 0.075+/-0.000 χ^2/NDF: 238769.6/29

Left In: 0.073+/-0.000 χ^2/NDF:197009.2/22

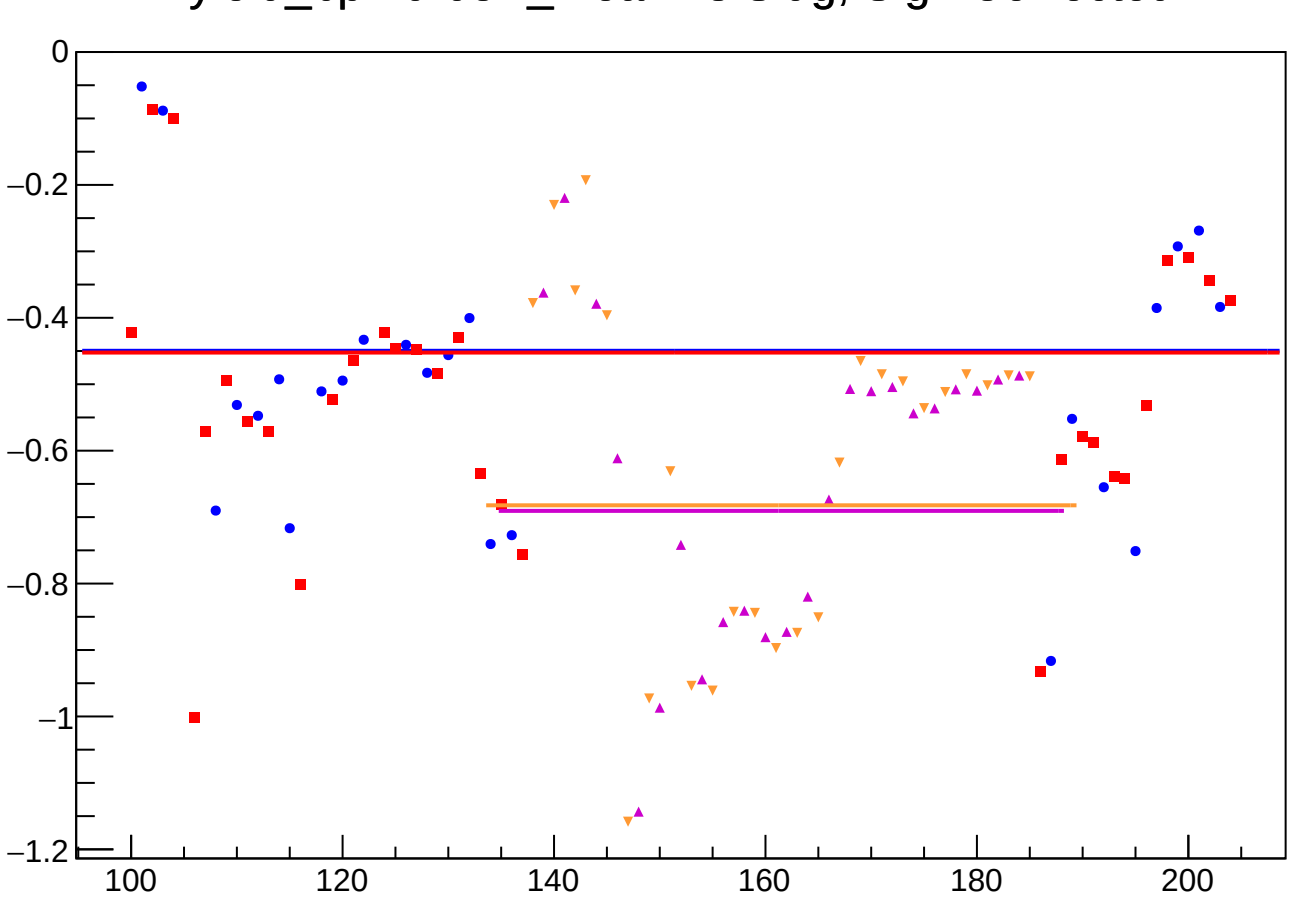
Left: 0.072+/-0.000 χ^2/NDF: 434657.5/47

Right: 0.074+/-0.000 χ^2/NDF: 446877.4/53

In: 0.073+/-0.000 χ^2/NDF:406226.1/46

Out: 0.073+/-0.000 χ^2/NDF:500552.4/54

All: 0.073+/-0.000 χ^2/NDF: 906779.0/101



Right In: -0.450+/-0.000 χ^2/NDF: 7449214970.2/23

Left Out: -0.682+/-0.000 χ^2/NDF:21823342960.4/24

Right Out: -0.452+/-0.000 χ^2/NDF: 6438492209.8/29

Left In: -0.691+/-0.000 χ^2/NDF:16867819938.3/22

Left: -0.686+/-0.000 χ^2/NDF: 38704767627.1/47

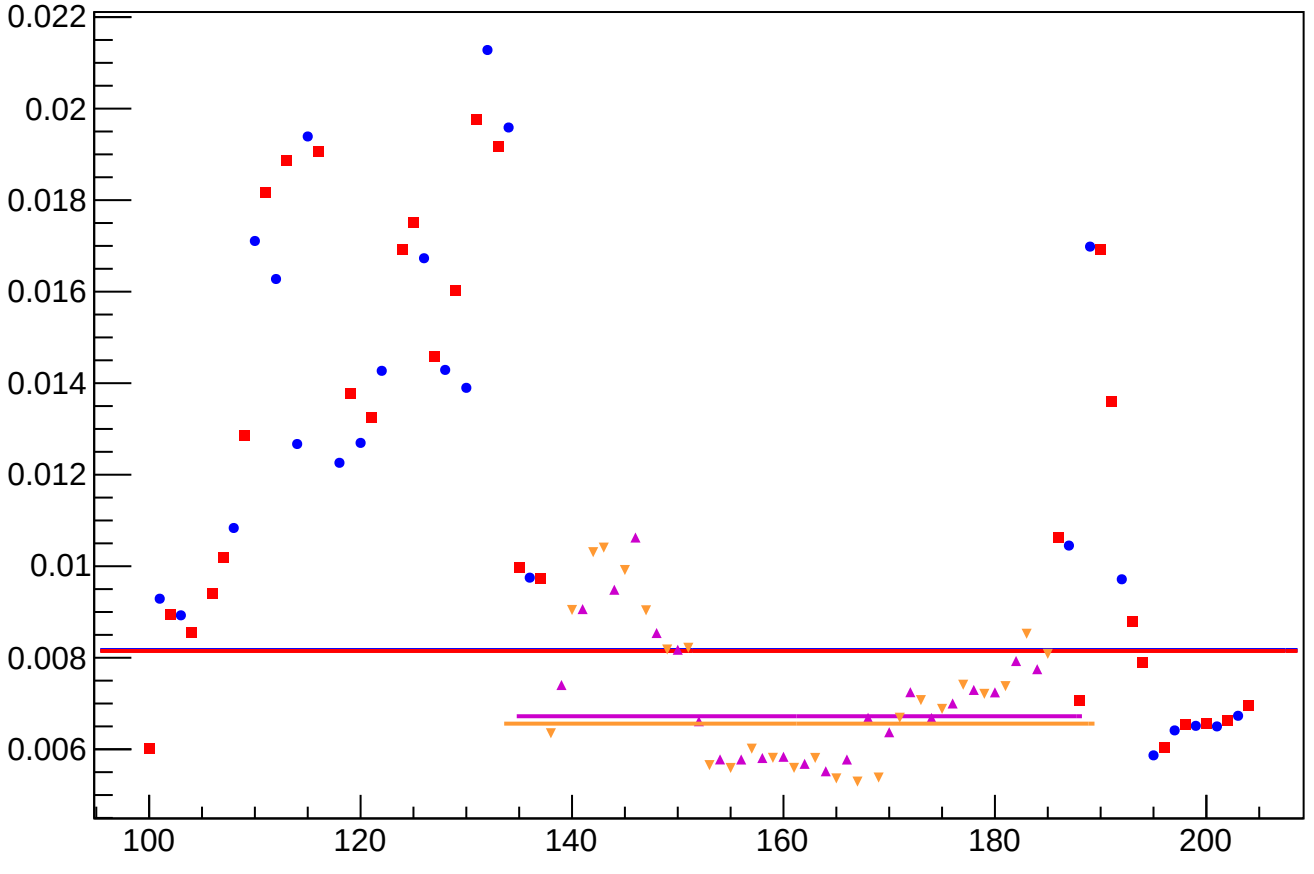
Right: -0.451+/-0.000 χ^2/NDF: 13888310729.8/53

In: -0.617+/-0.000 χ^2/NDF:30824034910.3/46

Out: -0.610+/-0.000 χ^2/NDF:35063691498.5/54

All: -0.613+/-0.000 χ^2/NDF: 65904567144.9/

yield_bpm0r03Y_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 2842693.6/23

Left Out: 0.007+/-0.000 χ^2/NDF:1404221.4/24

Right Out: 0.008+/-0.000 χ^2/NDF: 3056656.5/29

Left In: 0.007+/-0.000 χ^2/NDF:960755.3/22

Left: 0.007+/-0.000 χ^2/NDF: 2375100.1/47

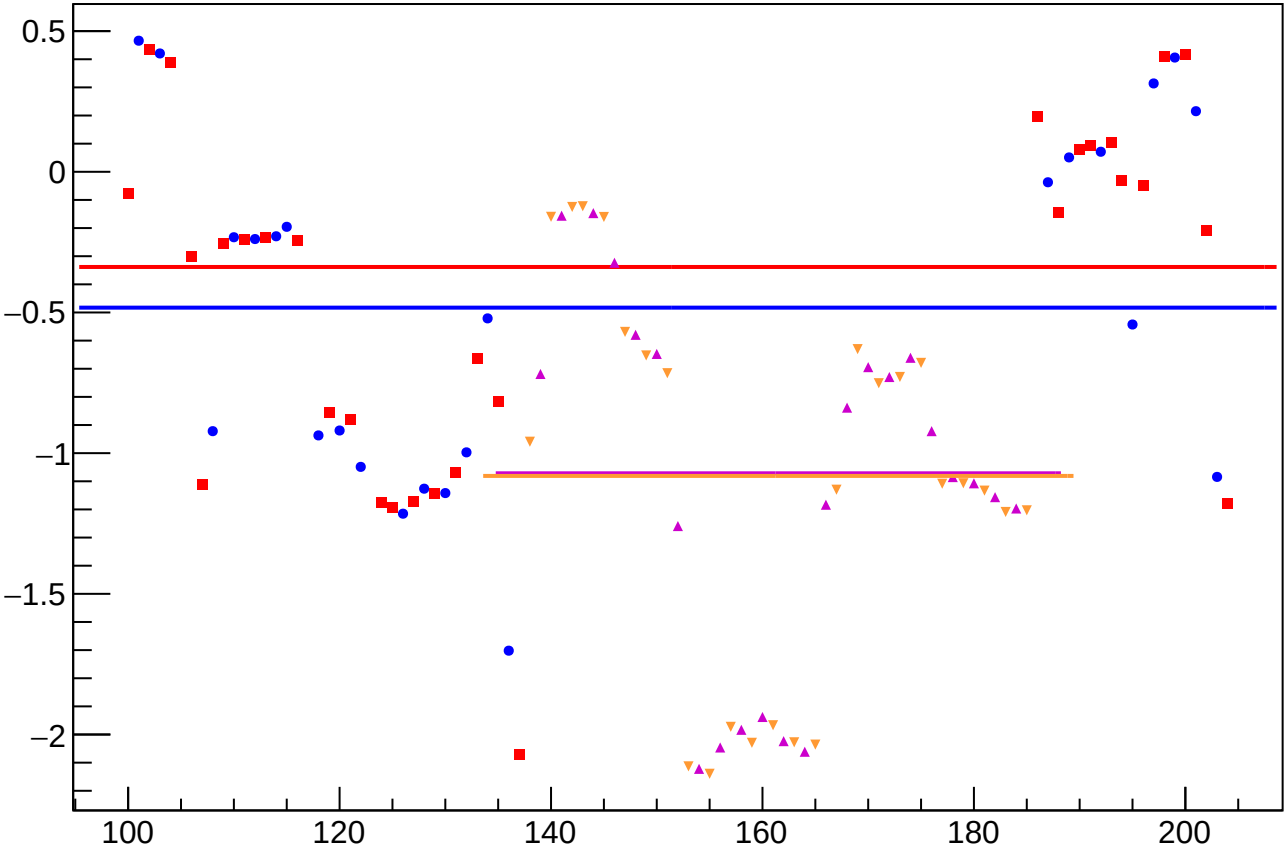
Right: 0.008+/-0.000 χ^2/NDF: 5899422.2/53

In: 0.007+/-0.000 χ^2/NDF:4272787.1/46

Out: 0.007+/-0.000 χ^2/NDF:5109948.4/54

All: 0.007+/-0.000 χ^2/NDF: 9388344.2/101

yield_bpm0r05X_mean vs Slug, Sign Corrected



Right In: -0.483+/-0.000 χ^2/NDF: 736095295.4/23

Left Out: -1.081+/-0.000 χ^2/NDF:1152285460.9/24

Right Out: -0.338+/-0.000 χ^2/NDF: 633772892.4/29

Left In: -1.072+/-0.000 χ^2/NDF:975623531.2/22

Left: -1.076+/-0.000 χ^2/NDF: 2128025374.6/47

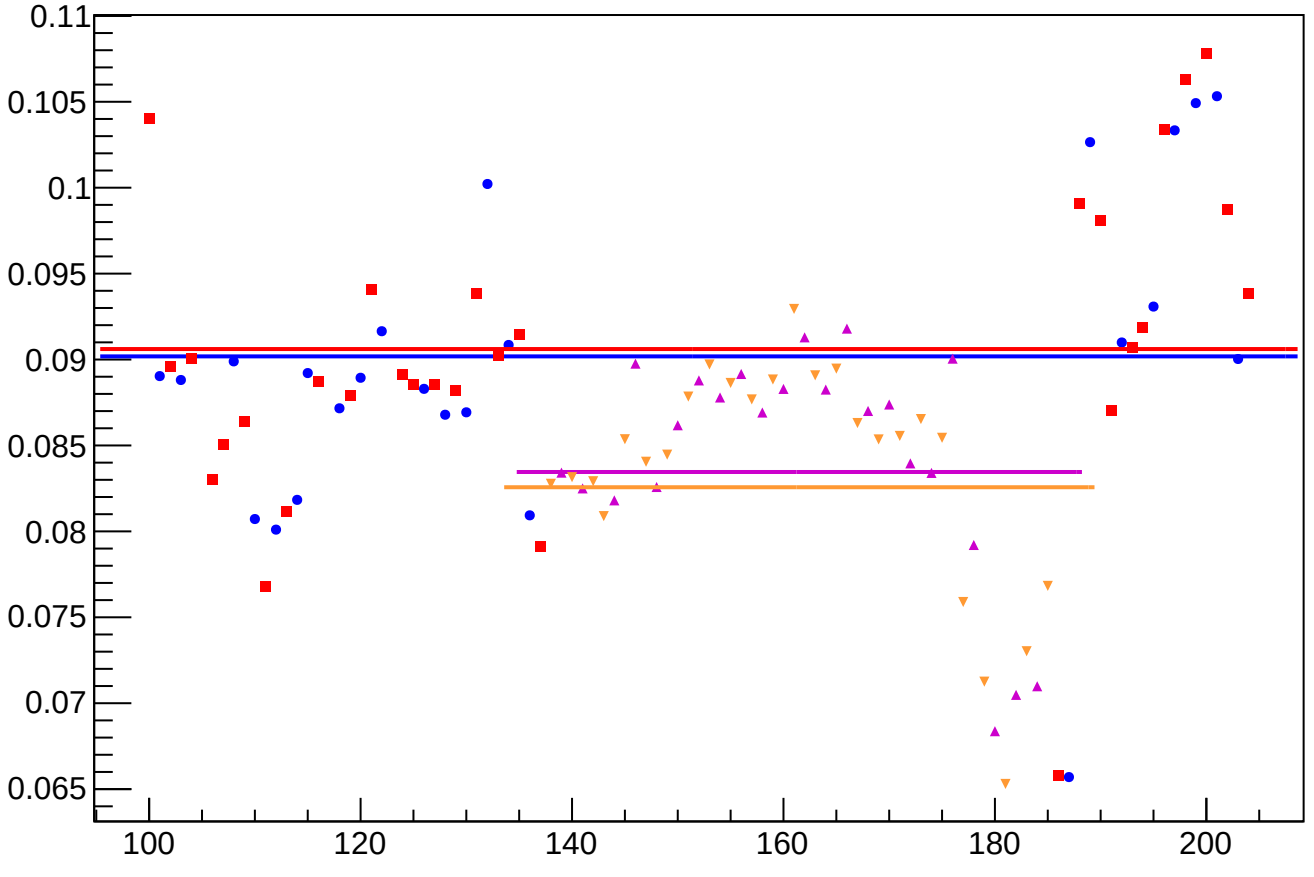
Right: -0.405+/-0.000 χ^2/NDF: 1387824853.3/53

In: -0.847+/-0.000 χ^2/NDF:2055117415.5/46

Out: -0.785+/-0.000 χ^2/NDF:2401907118.9/54

All: -0.814+/-0.000 χ^2/NDF: 4465498898.7/1

yield_bpm0r05X_rms vs Slug, Sign Corrected



Right In: 0.090+/-0.000 χ^2/NDF: 229126.1/23

Left Out: 0.083+/-0.000 χ^2/NDF:291134.3/24

Right Out: 0.091+/-0.000 χ^2/NDF: 325048.7/29

Left In: 0.083+/-0.000 χ^2/NDF:238412.3/22

Left: 0.083+/-0.000 χ^2/NDF: 531669.0/47

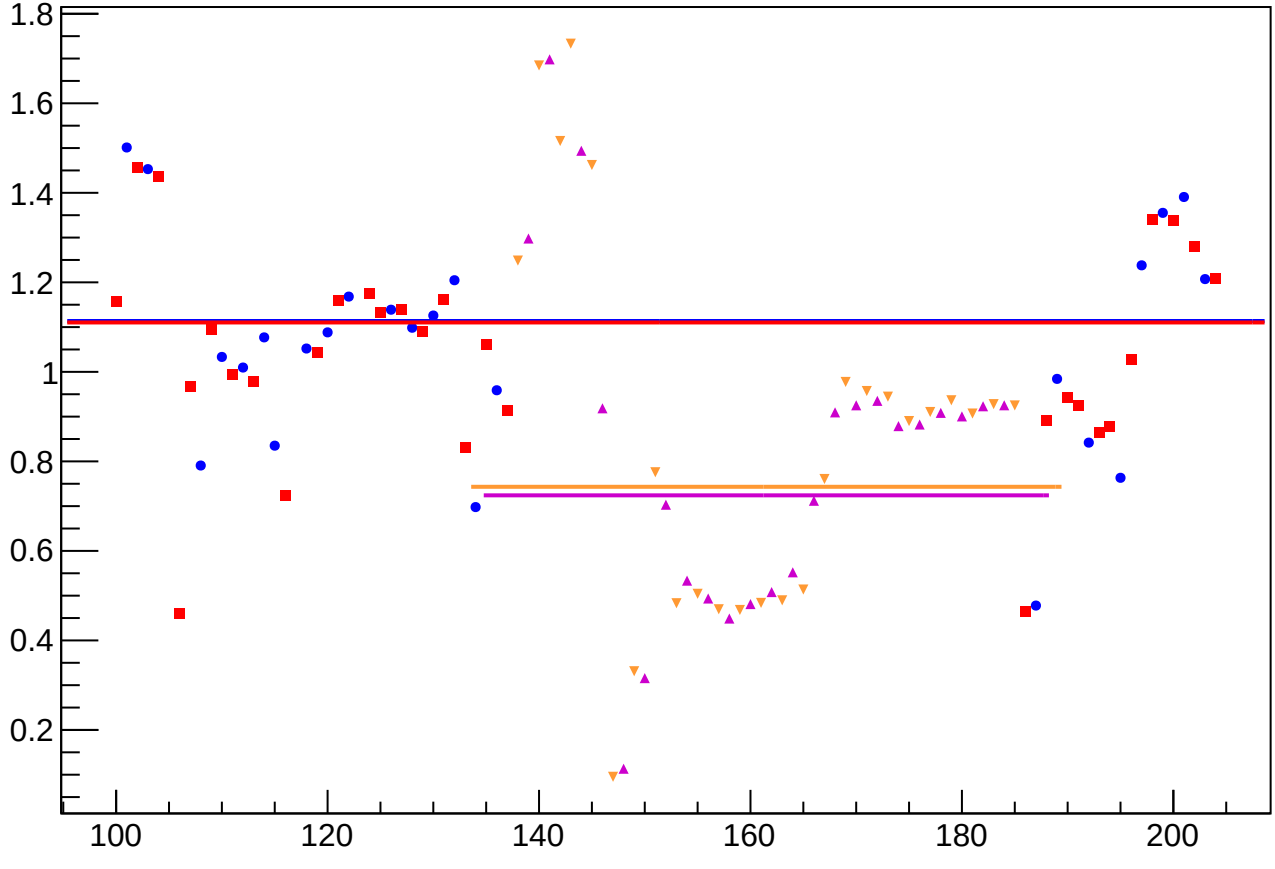
Right: 0.090+/-0.000 χ^2/NDF: 554488.6/53

In: 0.086+/-0.000 χ^2/NDF:557203.1/46

Out: 0.086+/-0.000 χ^2/NDF:760632.8/54

All: 0.086+/-0.000 χ^2/NDF: 1318111.5/101

yield_bpm0r05Y_mean vs Slug, Sign Corrected



Right In: 1.114+/-0.000 χ^2/NDF: 4992283332.6/23

Left Out: 0.743+/-0.000 χ^2/NDF:32581746516.6/24

Right Out: 1.110+/-0.000 χ^2/NDF: 4643179477.0/29

Left In: 0.724+/-0.000 χ^2/NDF:25654534031.9/22

Left: 0.734+/-0.000 χ^2/NDF: 58283506093.5/47

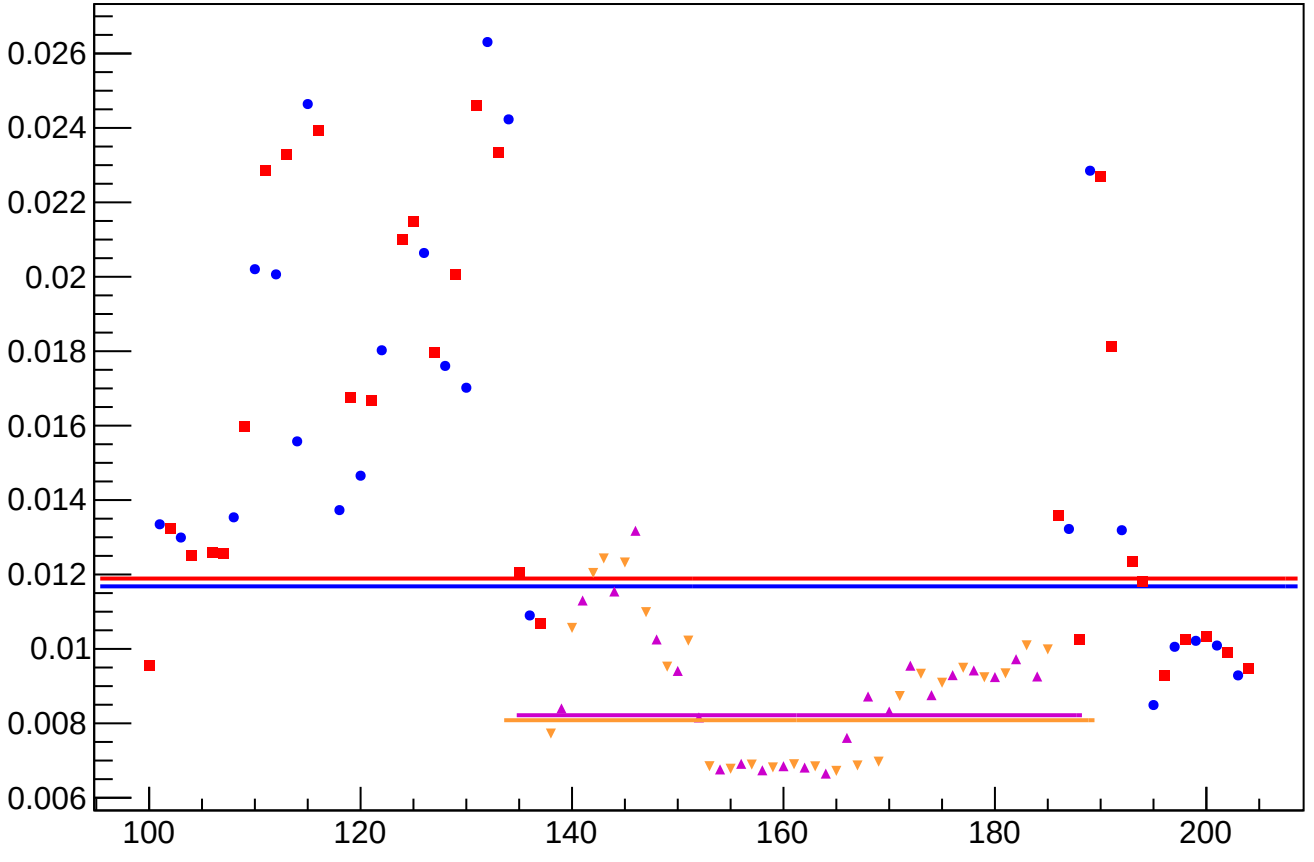
Right: 1.112+/-0.000 χ^2/NDF: 9635919137.5/53

In: 0.821+/-0.000 χ^2/NDF:39985868127.8/46

Out: 0.836+/-0.000 χ^2/NDF:46482369858.1/54

All: 0.829+/-0.000 χ^2/NDF: 86508159613.7/1

yield_bpm0r05Y_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 1907721.7/23

Left Out: 0.008+/-0.000 χ^2/NDF:1406307.1/24

Right Out: 0.012+/-0.000 χ^2/NDF: 2078770.8/29

Left In: 0.008+/-0.000 χ^2/NDF:1127833.6/22

Left: 0.008+/-0.000 χ^2/NDF: 2538791.6/47

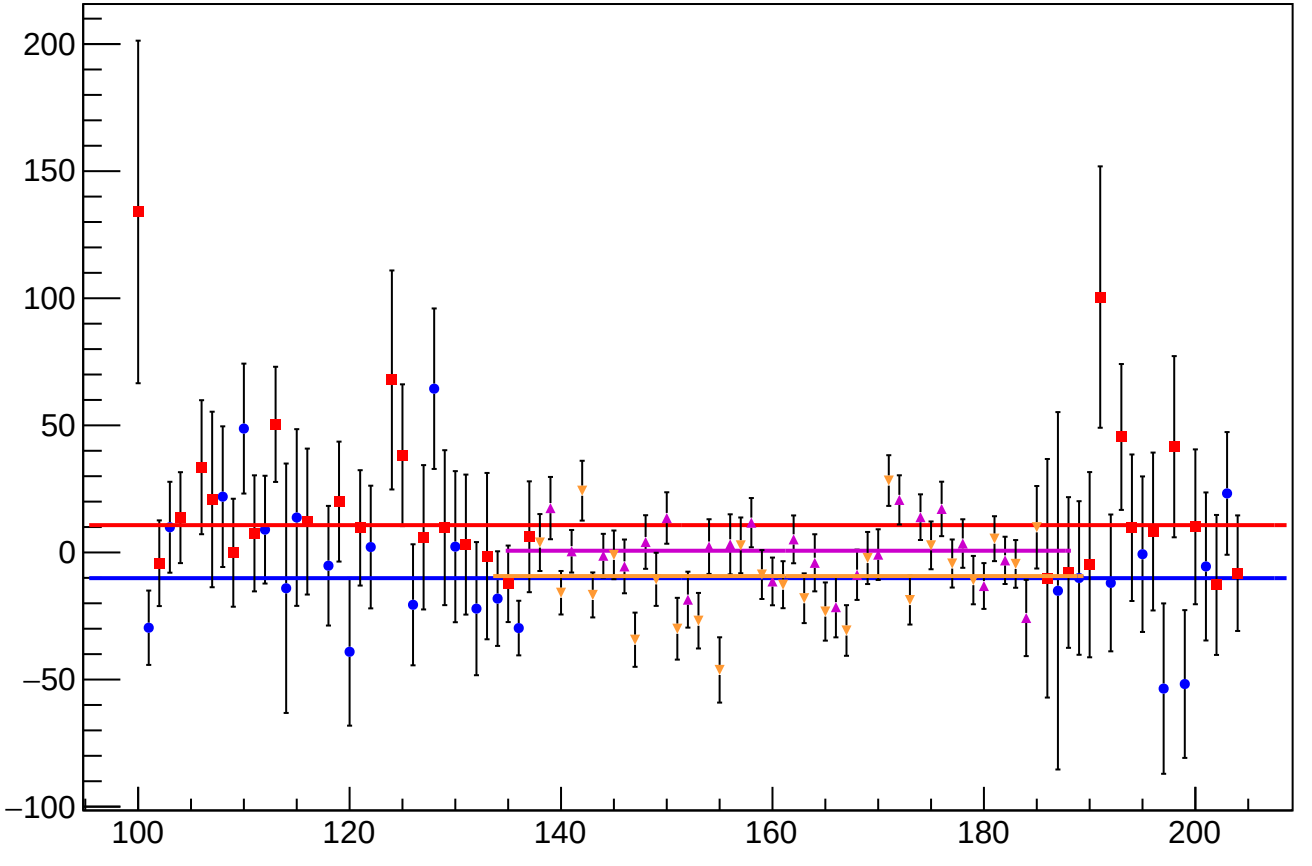
Right: 0.012+/-0.000 χ^2/NDF: 3990313.7/53

In: 0.009+/-0.000 χ^2/NDF:4512232.0/46

Out: 0.009+/-0.000 χ^2/NDF:5476056.6/54

All: 0.009+/-0.000 χ^2/NDF: 9988626.8/101

diff_bpm4aX_mean vs Slug, Sign Corrected



Right In: -10.107+/-4.744 χ^2/NDF: 27.7/23

Left Out: -9.292+/-2.031 χ^2/NDF:61.1/24

Right Out: 10.748+/-4.746 χ^2/NDF: 21.3/29

Left In: 0.676+/-2.104 χ^2/NDF:29.4/22

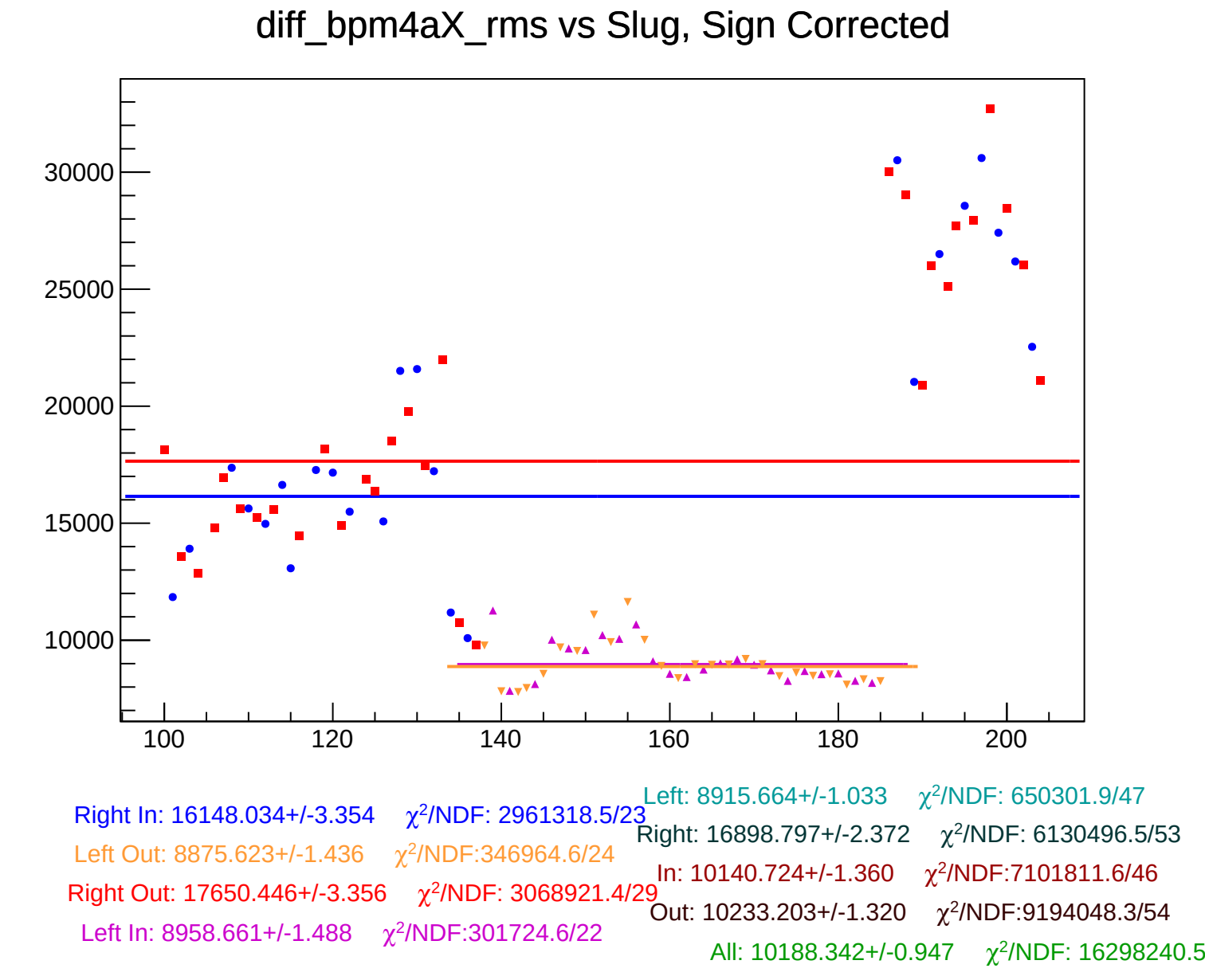
Left: -4.485+/-1.461 χ^2/NDF: 102.2/47

Right: 0.314+/-3.355 χ^2/NDF: 58.7/53

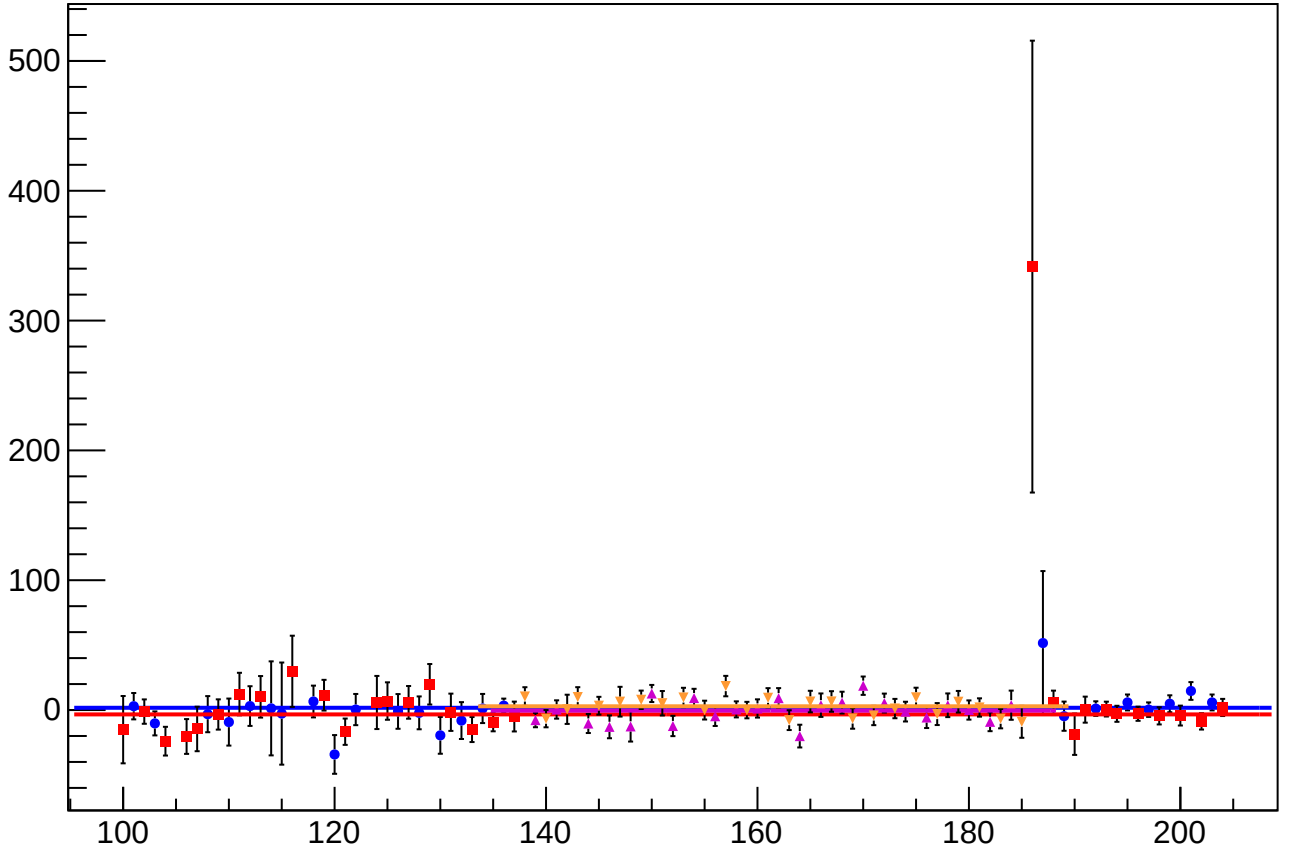
In: -1.097+/-1.923 χ^2/NDF:61.4/46

Out: -6.191+/-1.867 χ^2/NDF:97.5/54

All: -3.720+/-1.340 χ^2/NDF: 162.6/101


diff_bpm4aX_rms vs Slug, Sign Corrected
30000
25000
20000
15000
10000
100
120
140
160
180
200
Right In: 16148.034+/-3.354 χ²/NDF: 2961318.5/23
Left Out: 8875.623+/-1.436 χ²/NDF:346964.6/24
Right Out: 17650.446+/-3.356 χ²/NDF: 3068921.4/29
Left In: 8958.661+/-1.488 χ²/NDF:301724.6/22
Left: 8915.664+/-1.033 χ²/NDF: 650301.9/47
Right: 16898.797+/-2.372 χ²/NDF: 6130496.5/53
In: 10140.724+/-1.360 χ²/NDF:7101811.6/46
Out: 10233.203+/-1.320 χ²/NDF:9194048.3/54
All: 10188.342+/-0.947 χ²/NDF: 16298240.5

diff_bpm4aY_mean vs Slug, Sign Corrected



Right In: 1.729+/-1.866 χ^2/NDF: 17.1/23

Left Out: 2.879+/-1.554 χ^2/NDF:19.5/24

Right Out: -3.374+/-1.746 χ^2/NDF: 25.7/29

Left In: -0.456+/-1.581 χ^2/NDF:32.8/22

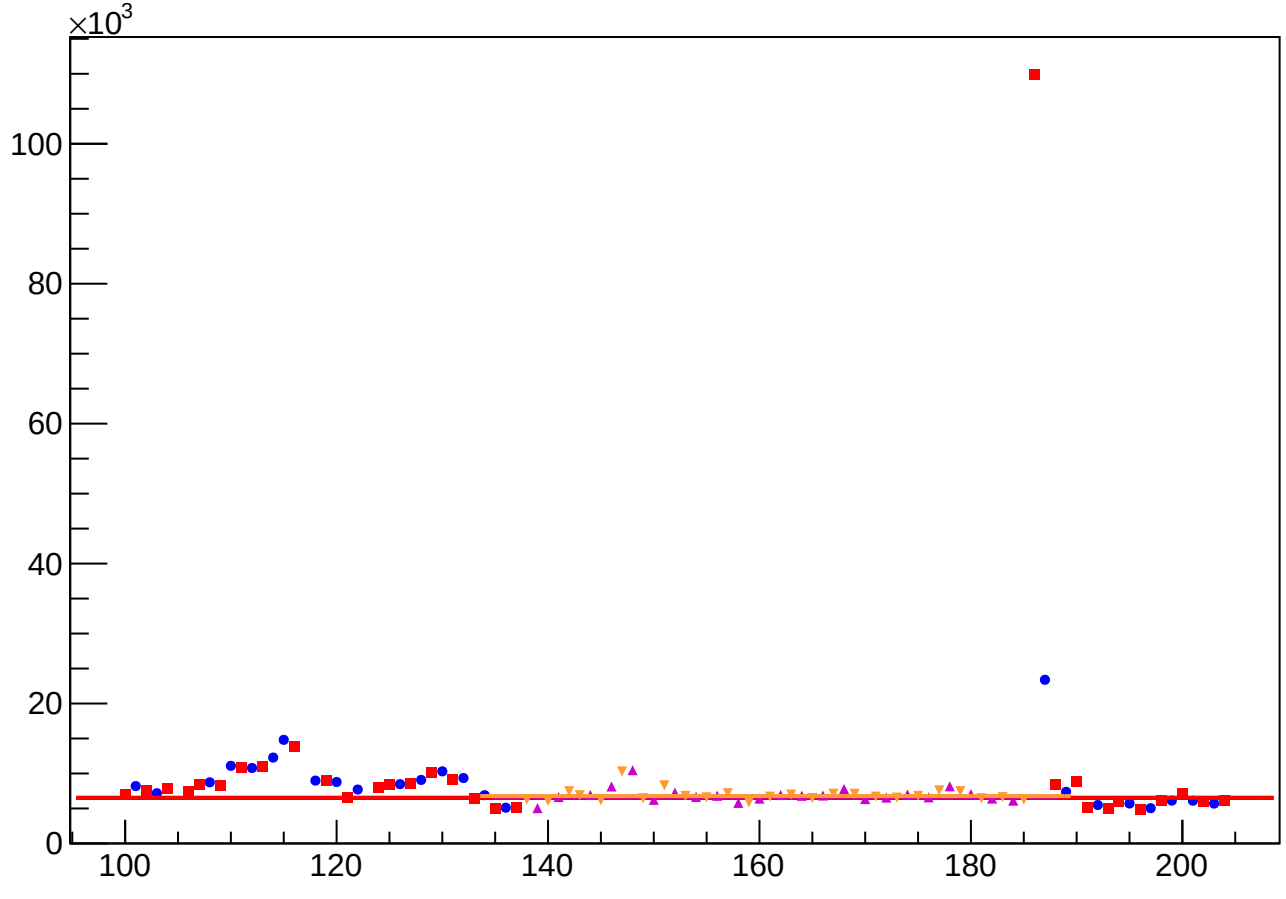
Left: 1.241+/-1.108 χ^2/NDF: 54.5/47

Right: -0.991+/-1.275 χ^2/NDF: 46.8/53

In: 0.458+/-1.206 χ^2/NDF:50.7/46

Out: 0.116+/-1.161 χ^2/NDF:52.3/54

All: 0.280+/-0.836 χ^2/NDF: 103.1/101



Right In: 6513.581+/-1.319 χ^2/NDF: 1656670.7/23

Left Out: 6776.739+/-1.099 χ^2/NDF:400166.7/24

Right Out: 6525.298+/-1.235 χ^2/NDF: 2332432.0/29

Left In: 6689.550+/-1.118 χ^2/NDF:620276.8/22

Left: 6733.914+/-0.784 χ^2/NDF: 1023536.8/47

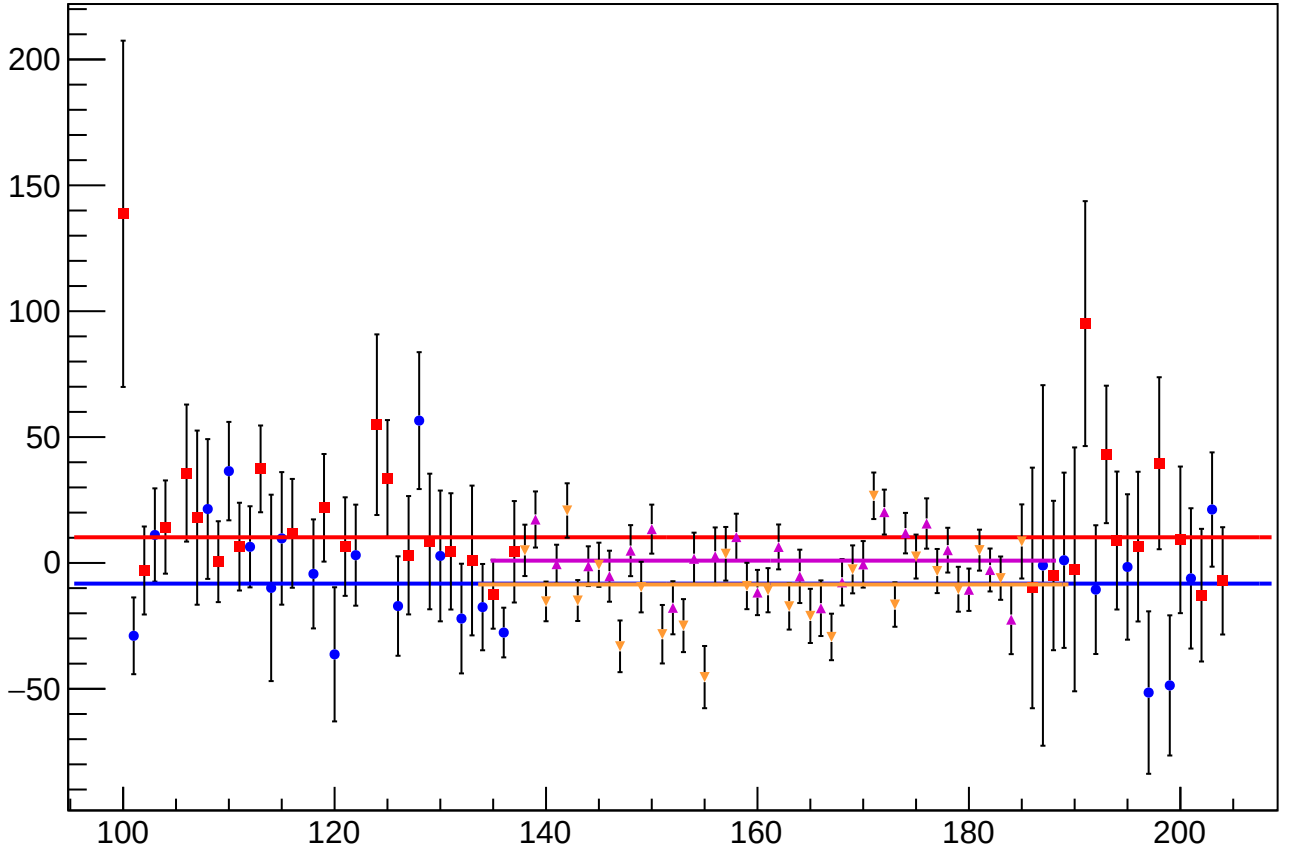
Right: 6519.828+/-0.901 χ^2/NDF: 3989144.7/53

In: 6615.979+/-0.853 χ^2/NDF:2287300.5/46

Out: 6665.618+/-0.821 χ^2/NDF:2755745.9/54

All: 6641.755+/-0.591 χ^2/NDF: 5044804.8/10

diff_bpm4eX_mean vs Slug, Sign Corrected



Right In: -8.206+/-4.320 χ^2/NDF: 28.4/23

Left Out: -8.536+/-1.897 χ^2/NDF:61.9/24

Right Out: 10.199+/-4.280 χ^2/NDF: 21.1/29

Left In: 0.919+/-1.969 χ^2/NDF:29.1/22

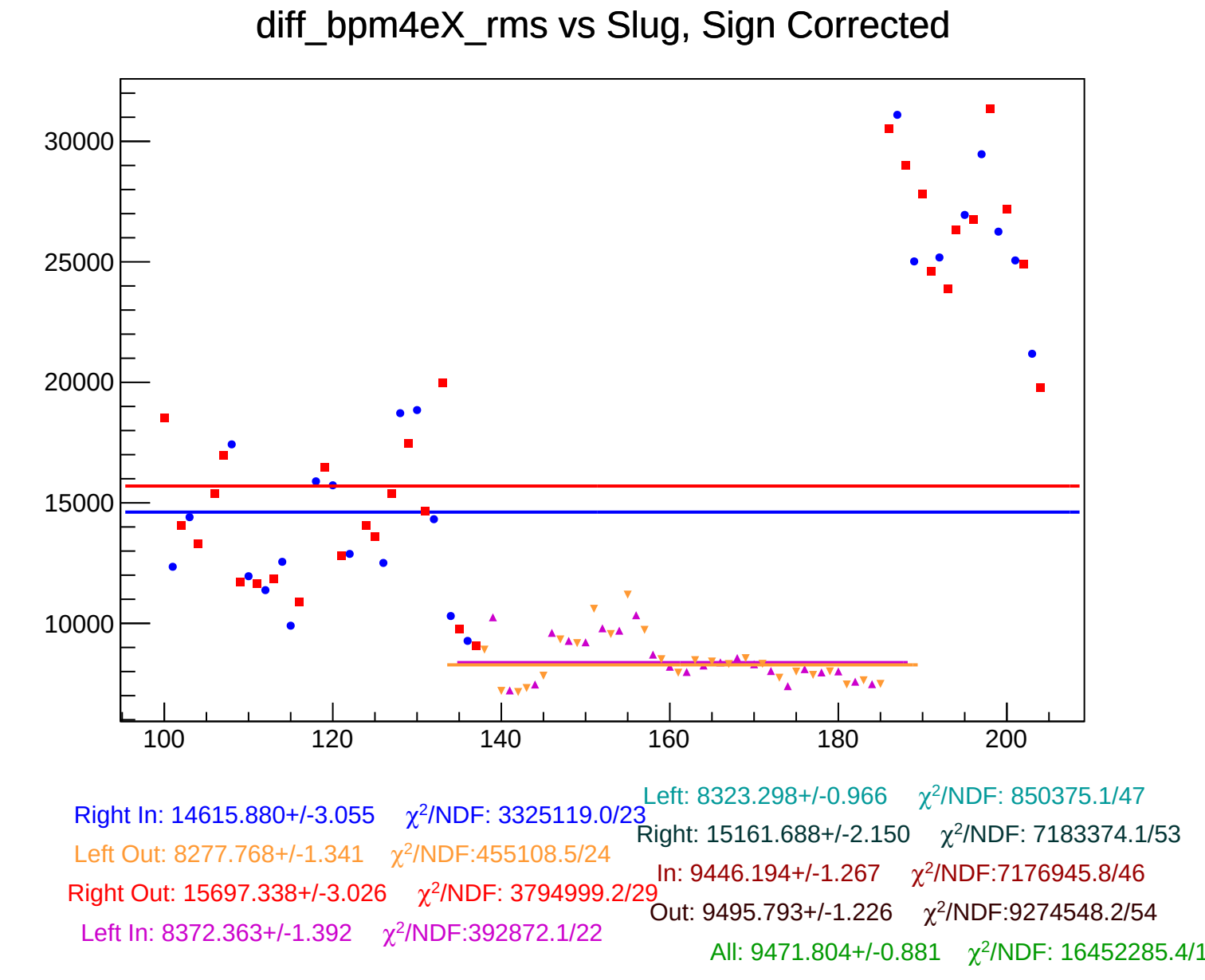
Left: -3.985+/-1.366 χ^2/NDF: 103.0/47

Right: 1.083+/-3.040 χ^2/NDF: 58.7/53

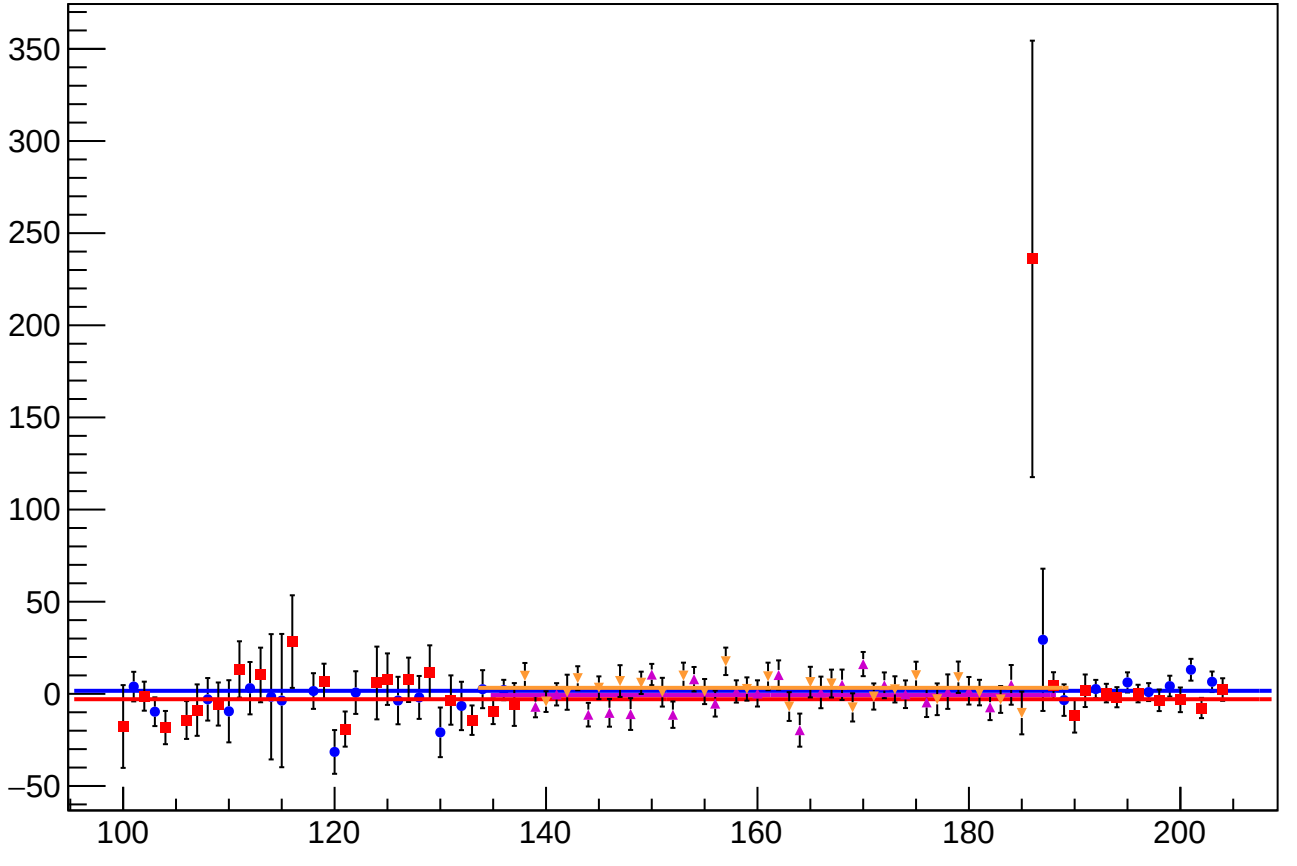
In: -0.650+/-1.792 χ^2/NDF:61.2/46

Out: -5.461+/-1.734 χ^2/NDF:99.0/54

All: -3.134+/-1.246 χ^2/NDF: 164.0/101


diff_bpm4eX_rms vs Slug, Sign Corrected
30000
25000
20000
15000
10000
100
120
140
160
180
200
Right In: 14615.880+/-3.055 χ²/NDF: 3325119.0/23
Left Out: 8277.768+/-1.341 χ²/NDF:455108.5/24
Right Out: 15697.338+/-3.026 χ²/NDF: 3794999.2/29
Left In: 8372.363+/-1.392 χ²/NDF:392872.1/22
Left: 8323.298+/-0.966 χ²/NDF: 850375.1/47
Right: 15161.688+/-2.150 χ²/NDF: 7183374.1/53
In: 9446.194+/-1.267 χ²/NDF:7176945.8/46
Out: 9495.793+/-1.226 χ²/NDF:9274548.2/54
All: 9471.804+/-0.881 χ²/NDF: 16452285.4/1

diff_bpm4eY_mean vs Slug, Sign Corrected



Right In: 1.647+/-1.656 χ^2/NDF: 20.4/23

Left Out: 3.255+/-1.457 χ^2/NDF:17.6/24

Right Out: -2.915+/-1.533 χ^2/NDF: 26.5/29

Left In: -0.645+/-1.499 χ^2/NDF:30.8/22

Left: 1.360+/-1.045 χ^2/NDF: 51.9/47

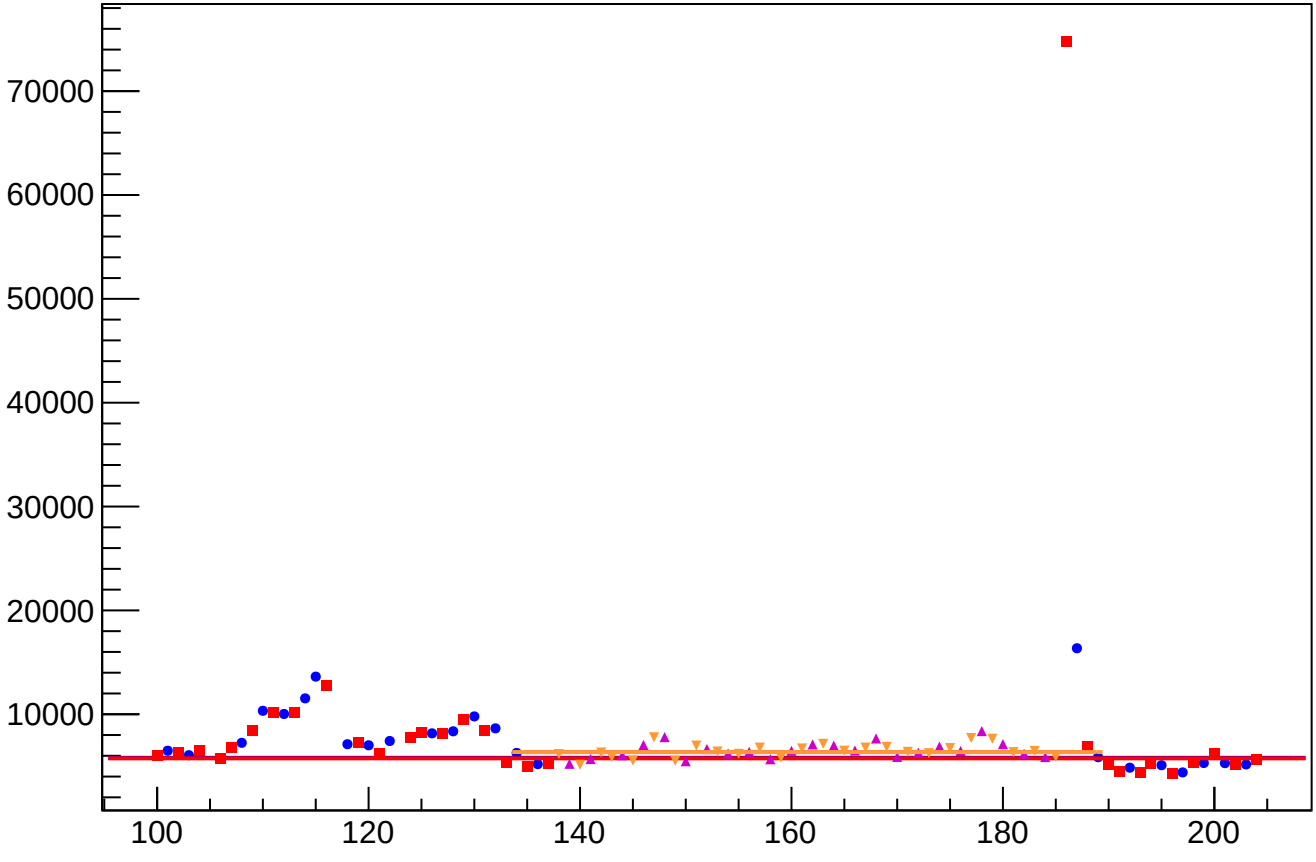
Right: -0.809+/-1.125 χ^2/NDF: 51.0/53

In: 0.387+/-1.111 χ^2/NDF:52.3/46

Out: 0.327+/-1.056 χ^2/NDF:52.6/54

All: 0.356+/-0.766 χ^2/NDF: 104.9/101

diff_bpm4eY_rms vs Slug, Sign Corrected



Right In: 5802.889+/-1.171 χ^2/NDF: 1556279.7/23

Left Out: 6357.608+/-1.030 χ^2/NDF:414119.5/24

Right Out: 5754.983+/-1.084 χ^2/NDF: 2292666.1/29

Left In: 6359.907+/-1.060 χ^2/NDF:473875.4/22

Left: 6358.725+/-0.739 χ^2/NDF: 887997.3/47

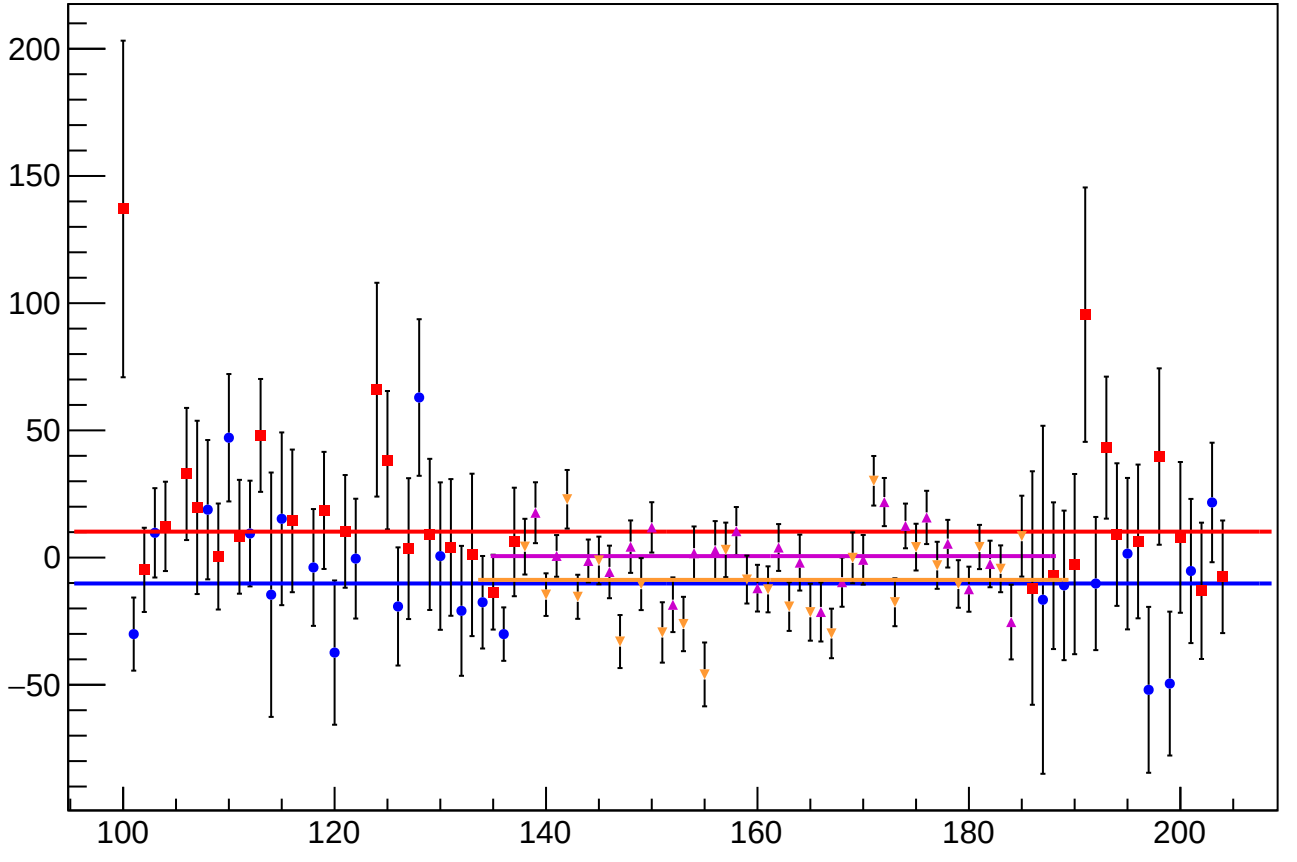
Right: 5777.096+/-0.796 χ^2/NDF: 3849846.9/53

In: 6109.012+/-0.786 χ^2/NDF:2154506.0/46

Out: 6071.637+/-0.747 χ^2/NDF:2869109.0/54

All: 6089.374+/-0.541 χ^2/NDF: 5024803.3/10

diff_bpm4acX_mean vs Slug, Sign Corrected



Right In: -10.179+/-4.637 χ^2/NDF: 27.7/23

Left Out: -8.767+/-1.987 χ^2/NDF:62.7/24

Right Out: 10.199+/-4.639 χ^2/NDF: 21.5/29

Left In: 0.579+/-2.059 χ^2/NDF:29.6/22

Left: -4.260+/-1.430 χ^2/NDF: 102.9/47

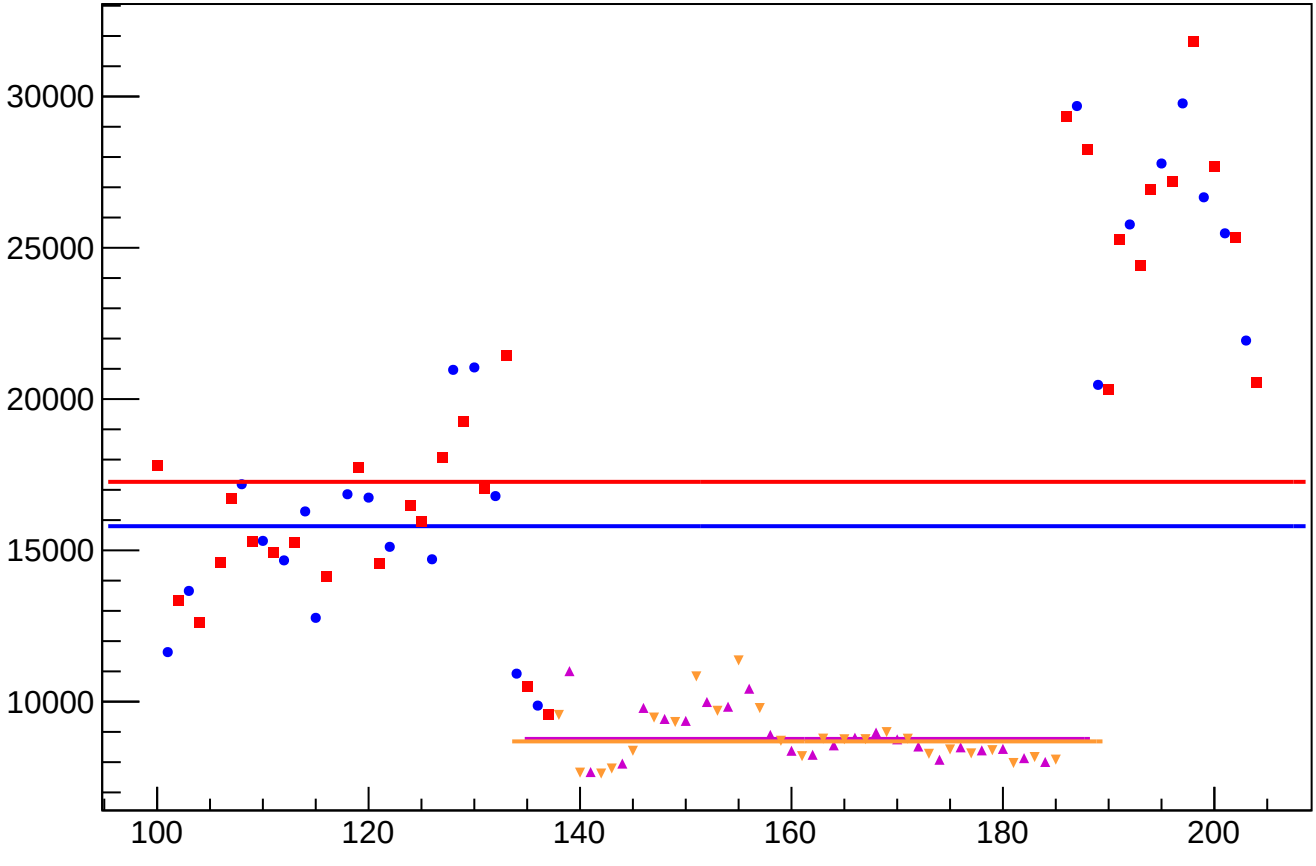
Right: 0.007+/-3.279 χ^2/NDF: 58.8/53

In: -1.193+/-1.882 χ^2/NDF:61.7/46

Out: -5.826+/-1.826 χ^2/NDF:98.3/54

All: -3.579+/-1.311 χ^2/NDF: 163.2/101

diff_bpm4acX_rms vs Slug, Sign Corrected



Right In: 15798.747+/-3.279 χ^2/NDF: 2924042.0/23

Left Out: 8686.048+/-1.405 χ^2/NDF:340655.6/24

Right Out: 17264.389+/-3.280 χ^2/NDF: 3022942.8/29

Left In: 8767.705+/-1.456 χ^2/NDF:295552.8/22

Left: 8725.421+/-1.011 χ^2/NDF: 637837.1/47

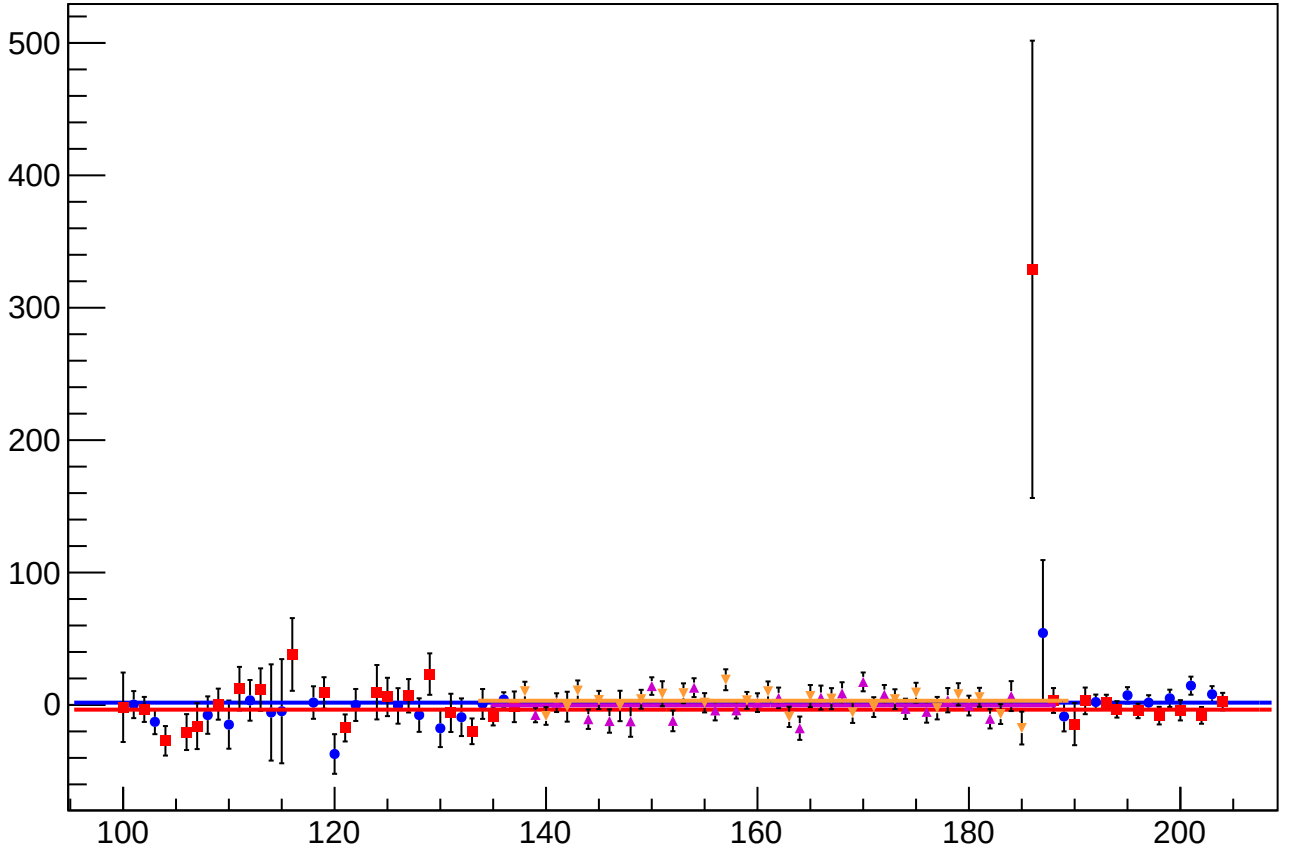
Right: 16531.323+/-2.319 χ^2/NDF: 6046849.3/53

In: 9925.740+/-1.331 χ^2/NDF:7060295.6/46

Out: 10016.005+/-1.292 χ^2/NDF:9143028.8/54

All: 9972.222+/-0.927 χ^2/NDF: 16205693.7/1

diff_bpm4acY_mean vs Slug, Sign Corrected



Right In: 1.731+/-1.872 χ^2/NDF: 21.2/23

Left Out: 3.171+/-1.562 χ^2/NDF:21.7/24

Right Out: -3.560+/-1.753 χ^2/NDF: 29.5/29

Left In: -0.269+/-1.590 χ^2/NDF:34.2/22

Left: 1.482+/-1.114 χ^2/NDF: 58.3/47

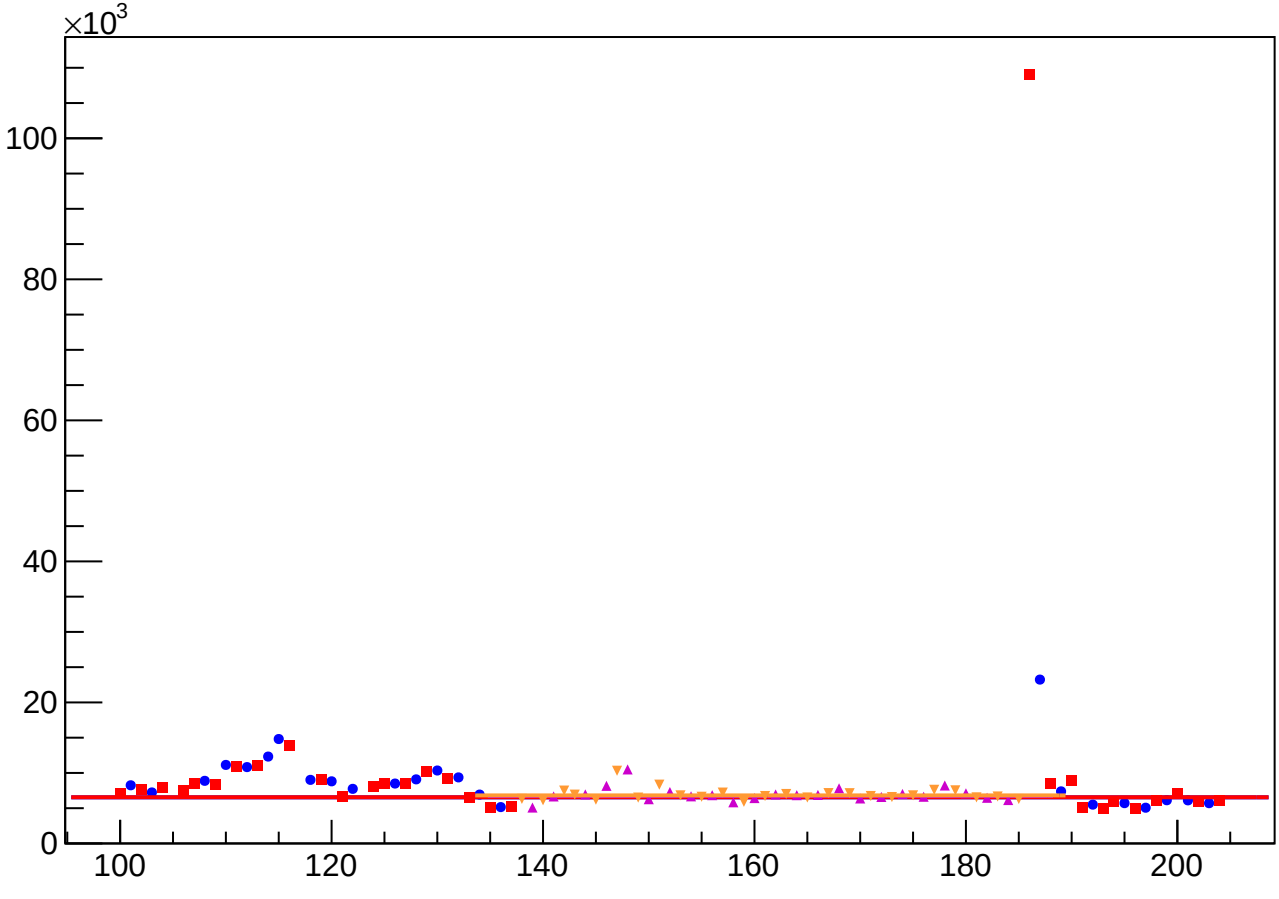
Right: -1.089+/-1.280 χ^2/NDF: 55.0/53

In: 0.569+/-1.212 χ^2/NDF:56.1/46

Out: 0.192+/-1.166 χ^2/NDF:59.4/54

All: 0.373+/-0.840 χ^2/NDF: 115.6/101

diff_bpm4acY_rms vs Slug, Sign Corrected



Right In: 6537.891+/-1.324 χ^2/NDF: 1655881.3/23

Left Out: 6812.964+/-1.104 χ^2/NDF:394620.8/24

Right Out: 6552.257+/-1.239 χ^2/NDF: 2326912.2/29

Left In: 6727.864+/-1.124 χ^2/NDF:610037.3/22

Left: 6771.179+/-0.788 χ^2/NDF: 1007573.6/47

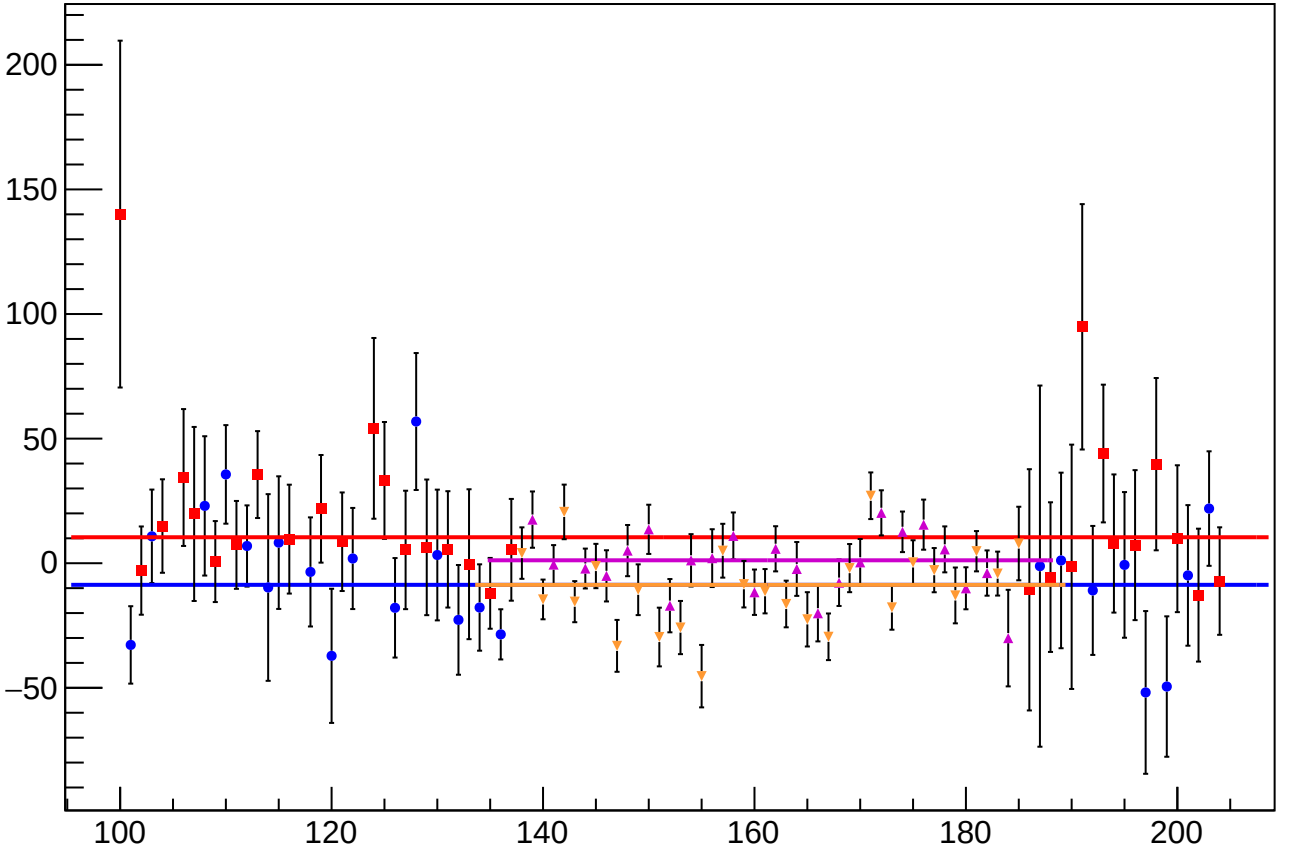
Right: 6545.548+/-0.905 χ^2/NDF: 3982856.2/53

In: 6648.258+/-0.857 χ^2/NDF:2277879.7/46

Out: 6697.575+/-0.825 χ^2/NDF:2746197.9/54

All: 6673.870+/-0.594 χ^2/NDF: 5025797.2/10

diff_bpm4ecX_mean vs Slug, Sign Corrected



Right In: -8.673+/-4.378 χ^2/NDF: 29.1/23

Left Out: -8.692+/-1.936 χ^2/NDF:61.4/24

Right Out: 10.424+/-4.340 χ^2/NDF: 20.0/29

Left In: 1.174+/-2.012 χ^2/NDF:28.6/22

Left: -3.950+/-1.395 χ^2/NDF: 102.4/47

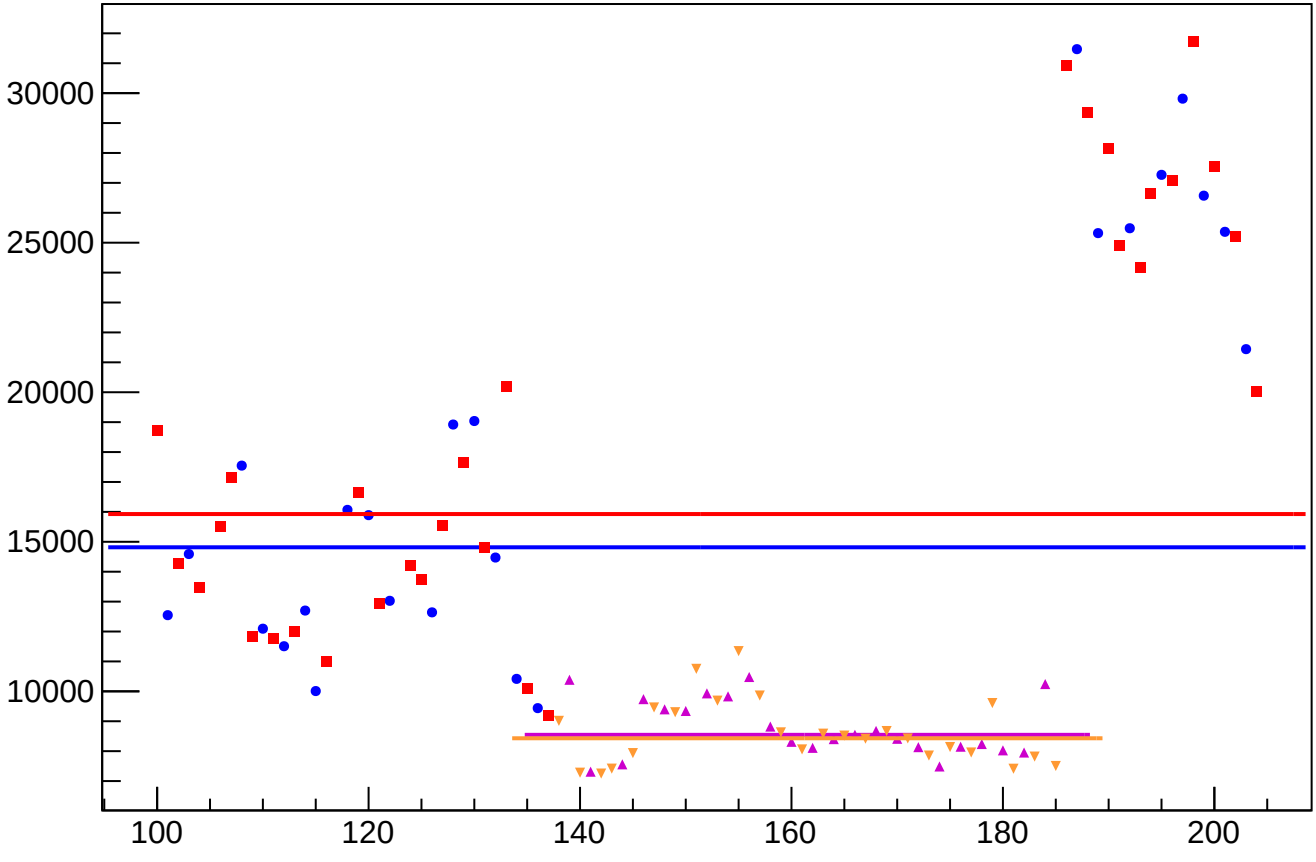
Right: 0.959+/-3.082 χ^2/NDF: 58.7/53

In: -0.543+/-1.828 χ^2/NDF:61.8/46

Out: -5.520+/-1.768 χ^2/NDF:97.6/54

All: -3.115+/-1.271 χ^2/NDF: 163.2/101

diff_bpm4ecX_rms vs Slug, Sign Corrected



Right In: 14816.161+/-3.096 χ^2/NDF: 3301900.6/23

Left Out: 8430.683+/-1.369 χ^2/NDF:484653.2/24

Right Out: 15927.575+/-3.069 χ^2/NDF: 3753675.0/29

Left In: 8545.534+/-1.423 χ^2/NDF:389747.0/22

Left: 8485.892+/-0.987 χ^2/NDF: 877783.2/47

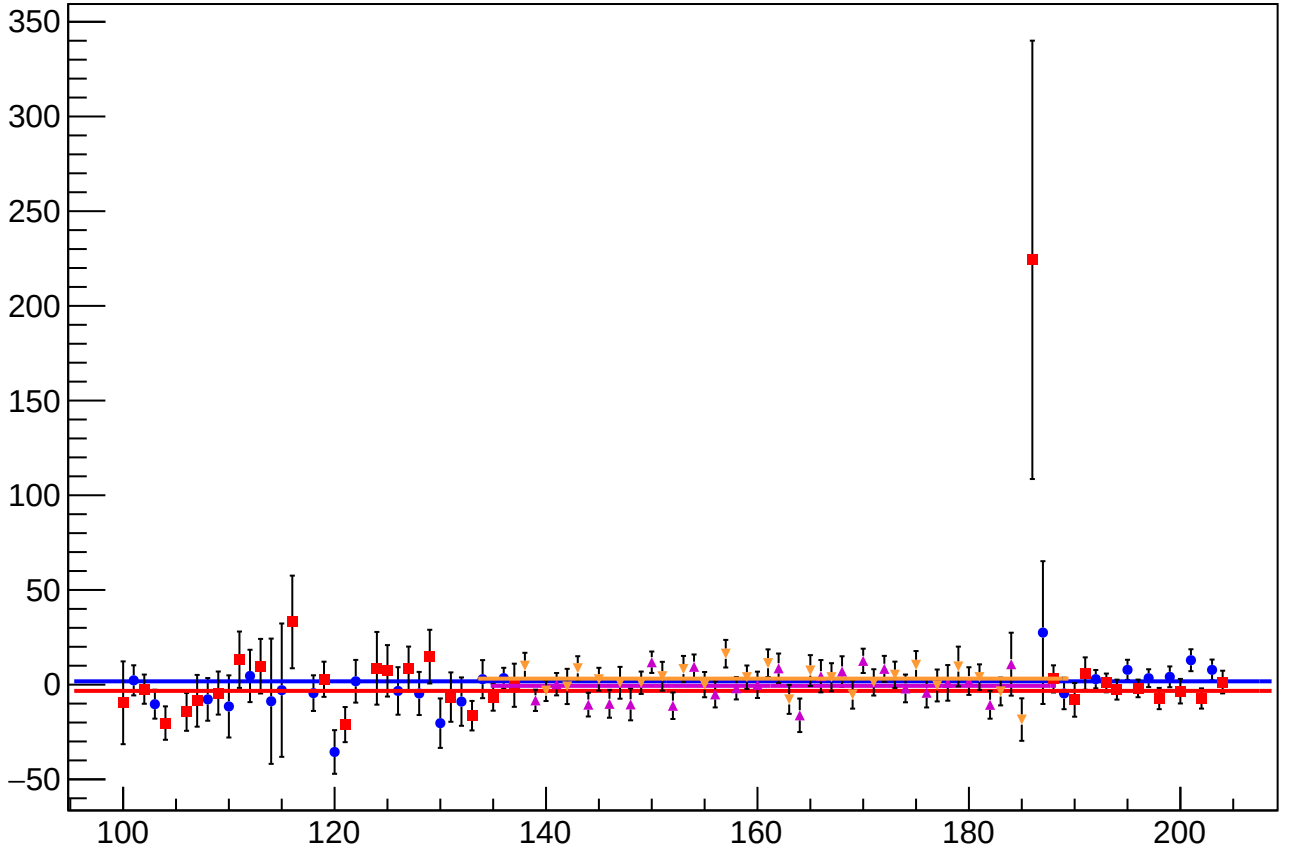
Right: 15376.746+/-2.180 χ^2/NDF: 7120576.2/53

In: 9639.152+/-1.293 χ^2/NDF:7078450.4/46

Out: 9675.005+/-1.250 χ^2/NDF:9215287.0/54

All: 9657.679+/-0.899 χ^2/NDF: 16294134.7/1

diff_bpm4ecY_mean vs Slug, Sign Corrected



Right In: 1.753+/-1.616 χ^2/NDF: 26.8/23

Left Out: 3.185+/-1.435 χ^2/NDF:18.7/24

Right Out: -3.294+/-1.495 χ^2/NDF: 29.0/29

Left In: -0.633+/-1.482 χ^2/NDF:31.8/22

Left: 1.337+/-1.031 χ^2/NDF: 53.9/47

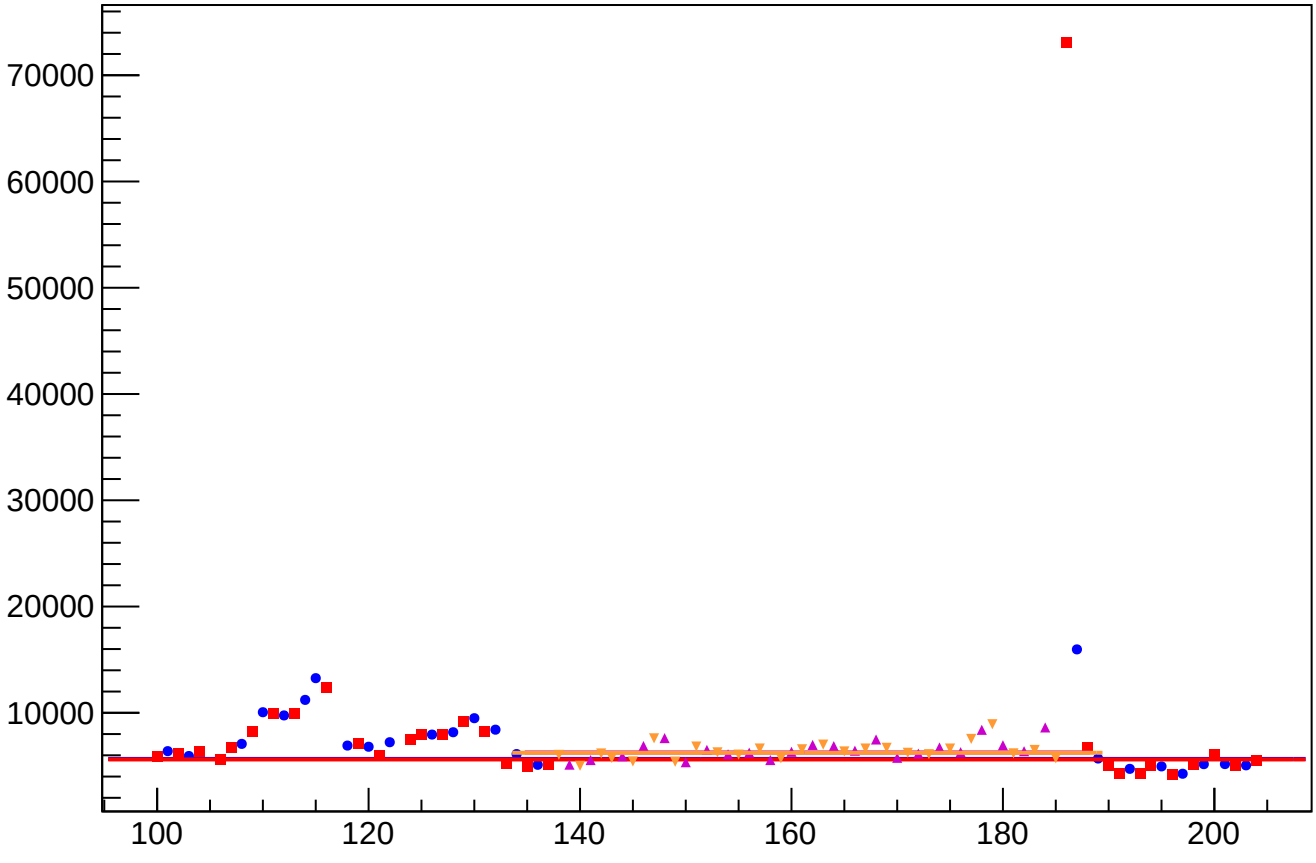
Right: -0.966+/-1.098 χ^2/NDF: 61.0/53

In: 0.457+/-1.092 χ^2/NDF:59.8/46

Out: 0.079+/-1.035 χ^2/NDF:57.4/54

All: 0.258+/-0.751 χ^2/NDF: 117.3/101

diff_bpm4ecY_rms vs Slug, Sign Corrected



Right In: 5659.582+/-1.143 χ^2/NDF: 1556897.8/23

Left Out: 6237.931+/-1.015 χ^2/NDF:507726.8/24

Right Out: 5610.600+/-1.057 χ^2/NDF: 2274434.5/29

Left In: 6268.263+/-1.048 χ^2/NDF:524326.6/22

Left: 6252.609+/-0.729 χ^2/NDF: 1032485.9/47

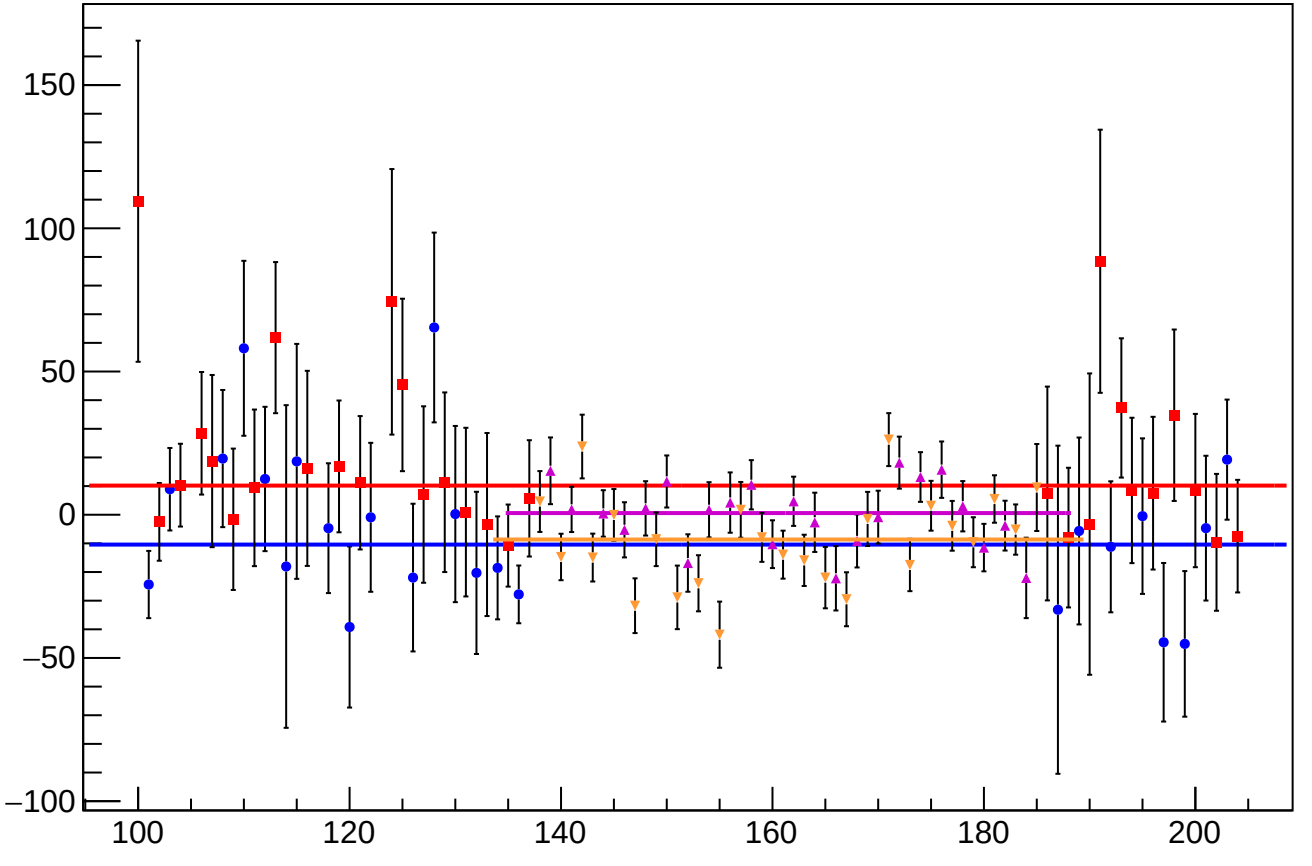
Right: 5633.194+/-0.776 χ^2/NDF: 3832322.3/53

In: 5990.247+/-0.772 χ^2/NDF:2235375.4/46

Out: 5937.211+/-0.732 χ^2/NDF:2965439.9/54

All: 5962.313+/-0.531 χ^2/NDF: 5203299.5/10

diff_bpm1X_mean vs Slug, Sign Corrected



Right In: -10.420+/-4.431 χ^2/NDF: 27.0/23

Left Out: -8.650+/-1.875 χ^2/NDF:63.0/24

Right Out: 10.175+/-4.443 χ^2/NDF: 21.7/29

Left In: 0.583+/-1.939 χ^2/NDF:28.5/22

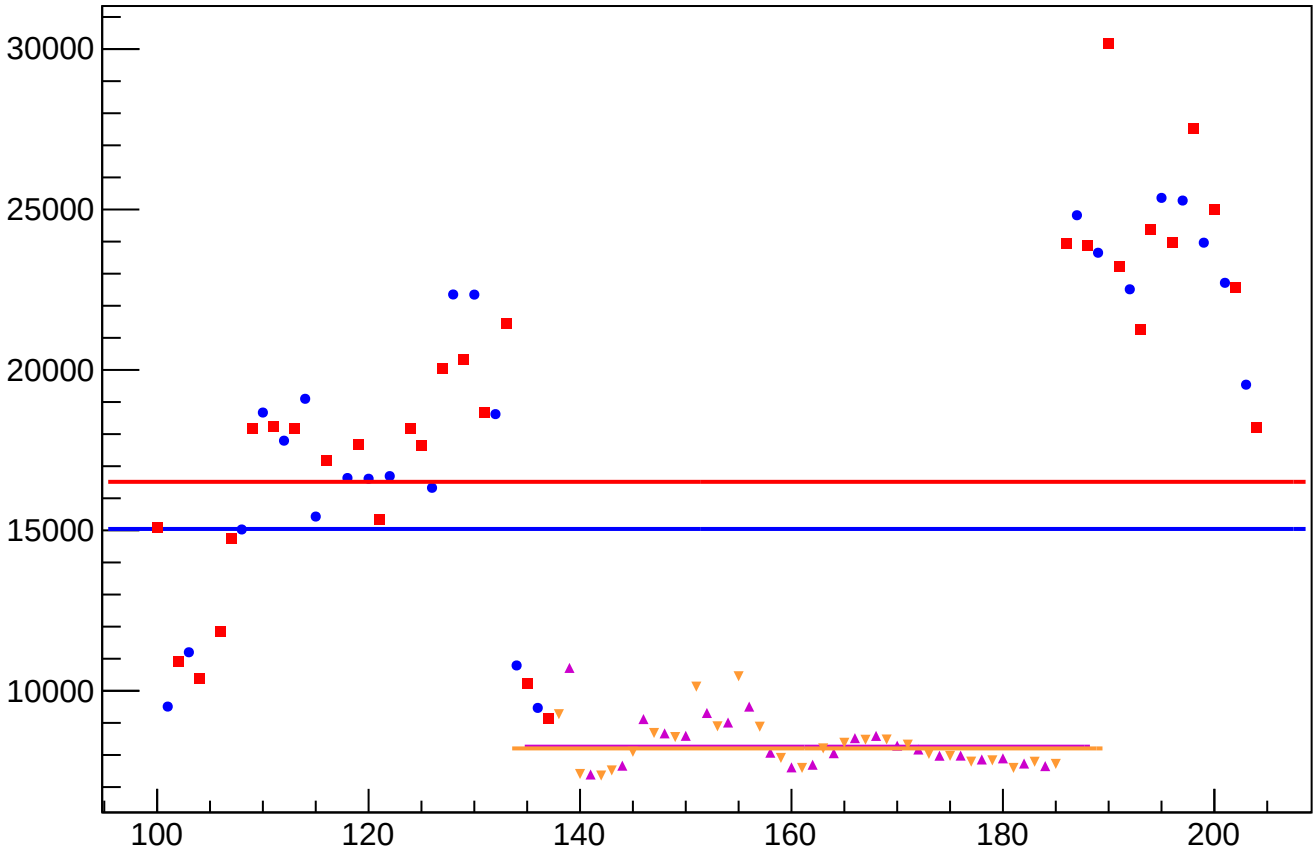
Left: -4.188+/-1.348 χ^2/NDF: 103.3/47

Right: -0.151+/-3.137 χ^2/NDF: 59.5/53

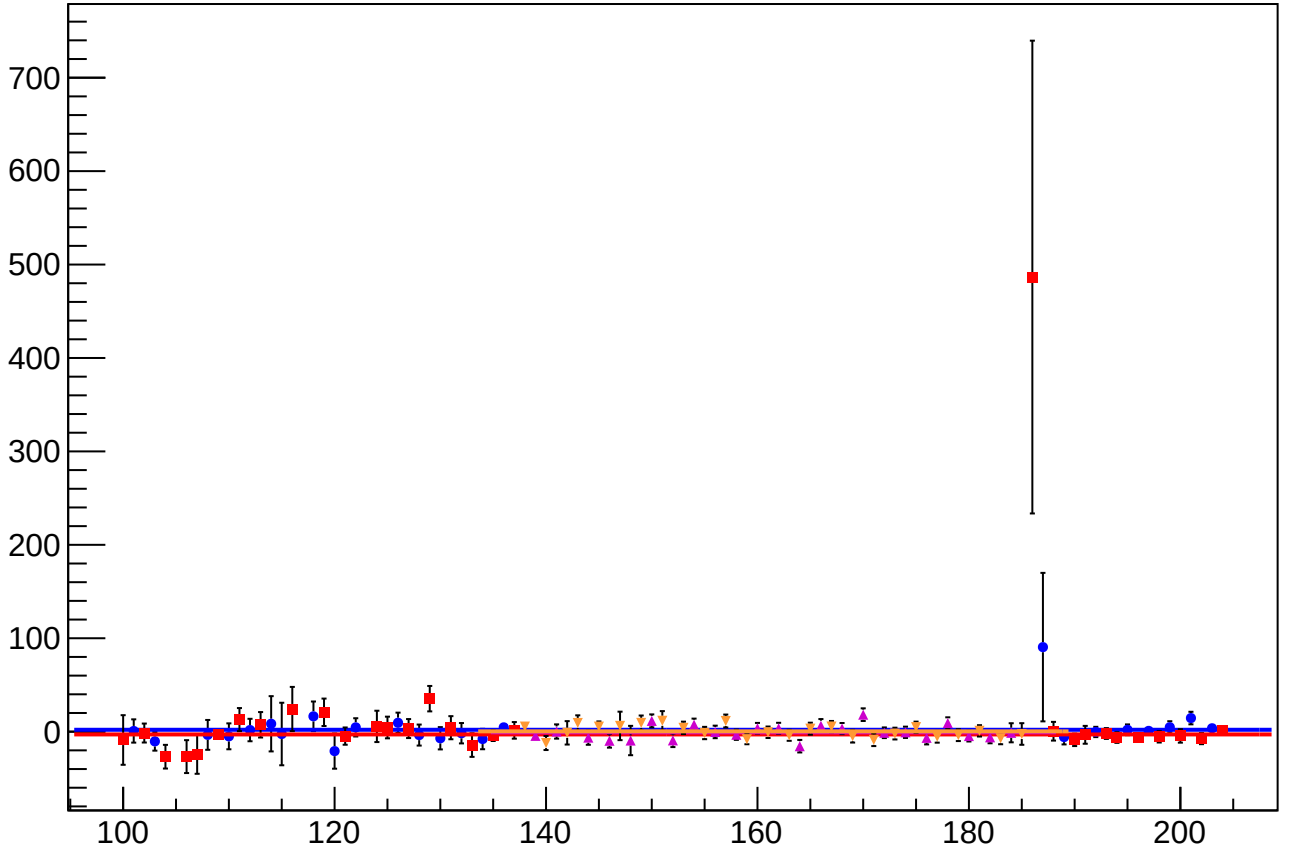
In: -1.185+/-1.776 χ^2/NDF:60.7/46

Out: -5.804+/-1.728 χ^2/NDF:100.0/54

All: -3.559+/-1.238 χ^2/NDF: 164.2/101


diff_bpm1X_rms vs Slug, Sign Corrected
30000
25000
20000
15000
10000
100
120
140
160
180
200
Right In: 15044.162+/-3.133 χ²/NDF: 3140675.1/23
Left Out: 8204.502+/-1.326 χ²/NDF:272958.7/24
Right Out: 16512.911+/-3.142 χ²/NDF: 3088504.3/29
Left In: 8259.162+/-1.371 χ²/NDF:257333.8/22
Left: 8230.919+/-0.953 χ²/NDF: 531113.9/47
Right: 15776.542+/-2.219 χ²/NDF: 6338753.6/53
In: 9349.450+/-1.256 χ²/NDF:7333928.2/46
Out: 9460.557+/-1.222 χ²/NDF:9297790.2/54
All: 9406.547+/-0.876 χ²/NDF: 16635739.9/1

diff_bpm1Y_mean vs Slug, Sign Corrected



Right In: 2.029+/-1.695 χ^2/NDF: 13.2/23

Left Out: 0.353+/-1.322 χ^2/NDF:21.5/24

Right Out: -2.958+/-1.512 χ^2/NDF: 29.8/29

Left In: -0.709+/-1.291 χ^2/NDF:29.9/22

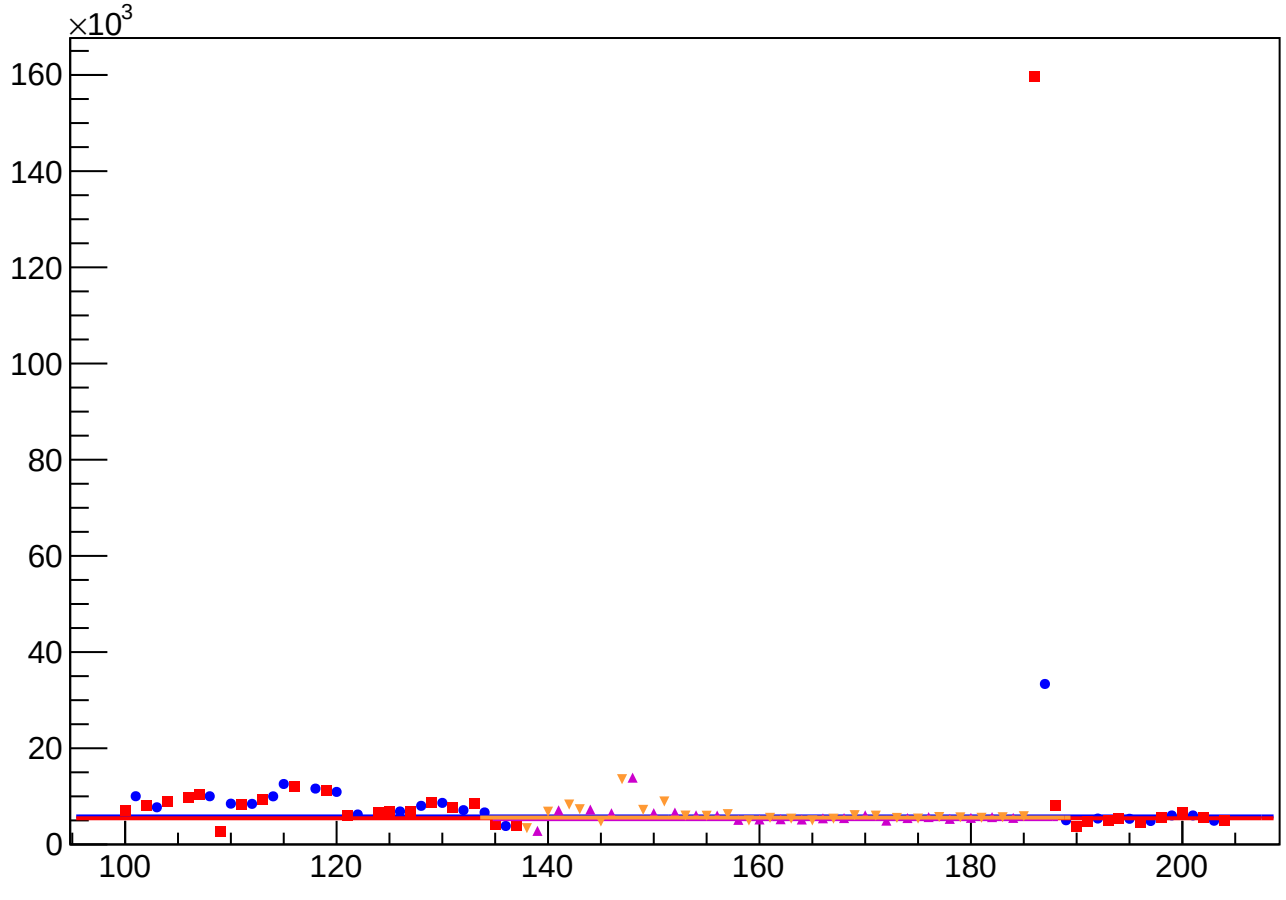
Left: -0.191+/-0.924 χ^2/NDF: 51.7/47

Right: -0.747+/-1.129 χ^2/NDF: 47.9/53

In: 0.296+/-1.027 χ^2/NDF:44.8/46

Out: -1.081+/-0.995 χ^2/NDF:54.1/54

All: -0.414+/-0.715 χ^2/NDF: 99.7/101



Right In: 5824.731+/-1.199 χ^2/NDF: 2274107.5/23

Left Out: 5594.503+/-0.935 χ^2/NDF:1784259.1/24

Right Out: 5442.965+/-1.069 χ^2/NDF: 3750397.9/29

Left In: 5262.754+/-0.913 χ^2/NDF:2425604.2/22

Left: 5424.765+/-0.653 χ^2/NDF: 4274340.6/47

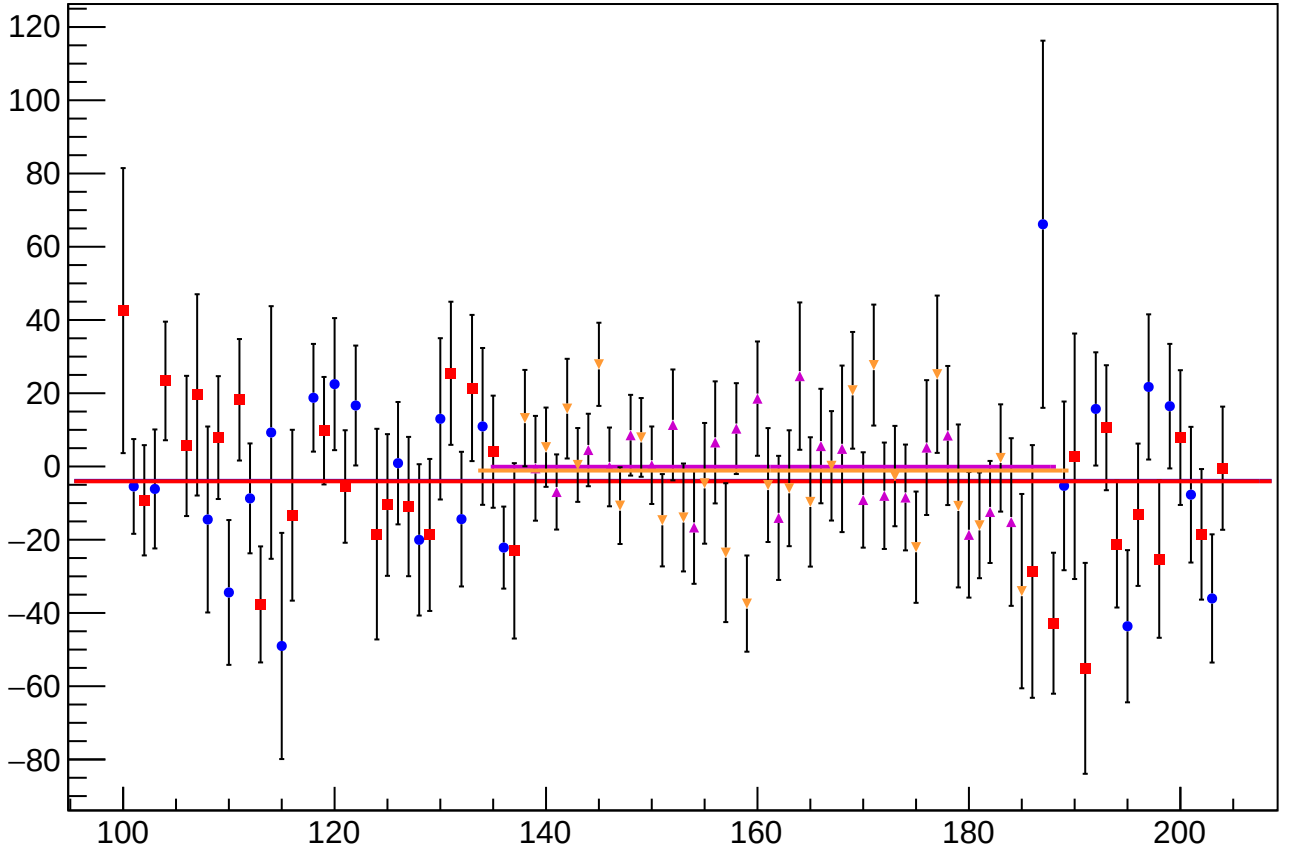
Right: 5612.194+/-0.798 χ^2/NDF: 6080987.7/53

In: 5469.109+/-0.726 χ^2/NDF:4838831.2/46

Out: 5528.894+/-0.704 χ^2/NDF:5546041.2/54

All: 5499.945+/-0.505 χ^2/NDF: 10388367.3/1

diff_bpm11X_mean vs Slug, Sign Corrected



Right In: -3.927+/-3.684 χ^2/NDF: 29.5/23

Left Out: -1.111+/-2.813 χ^2/NDF:33.8/24

Right Out: -4.046+/-3.497 χ^2/NDF: 30.9/29

Left In: -0.084+/-2.926 χ^2/NDF:11.5/22

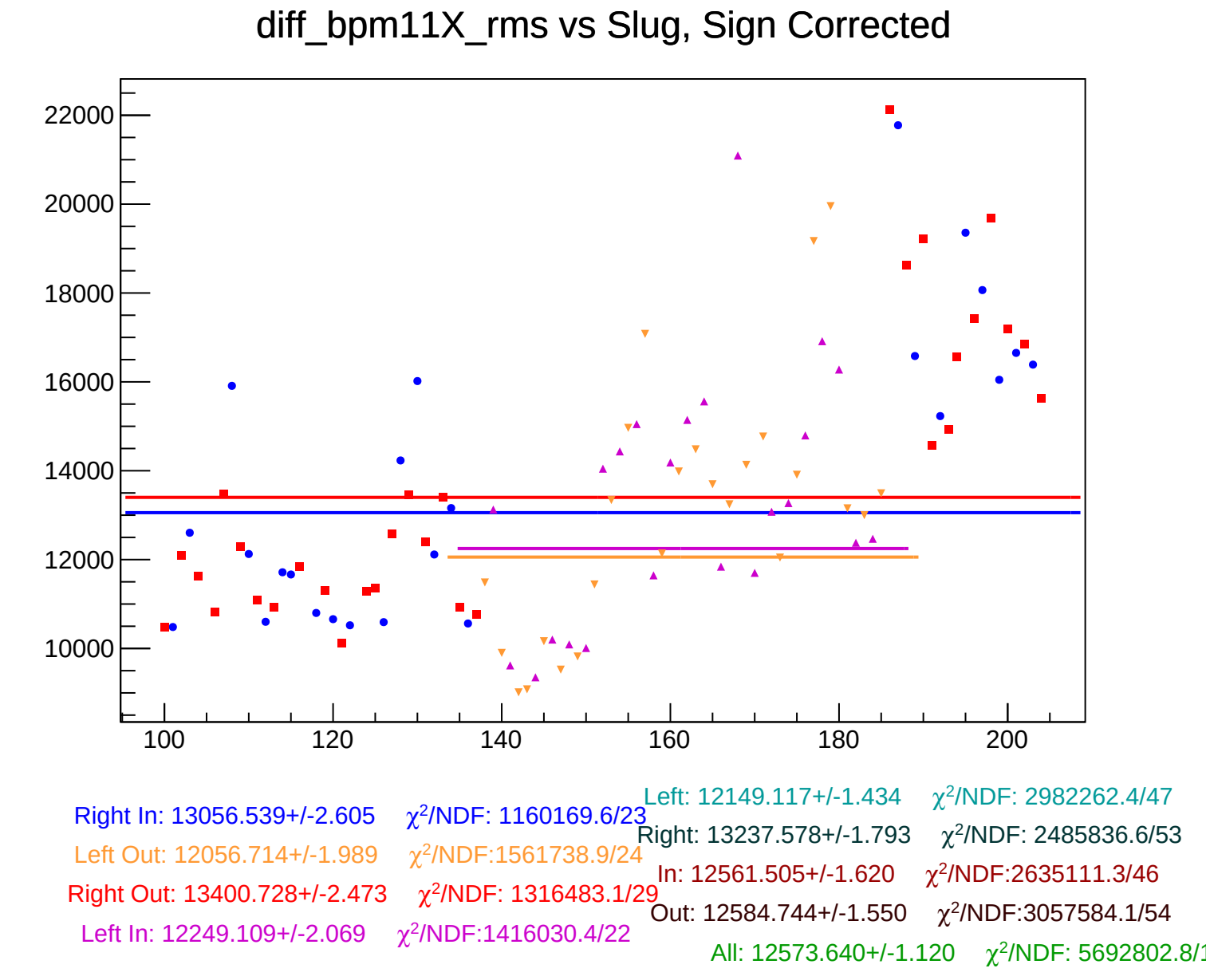
Left: -0.618+/-2.028 χ^2/NDF: 45.3/47

Right: -3.989+/-2.536 χ^2/NDF: 60.4/53

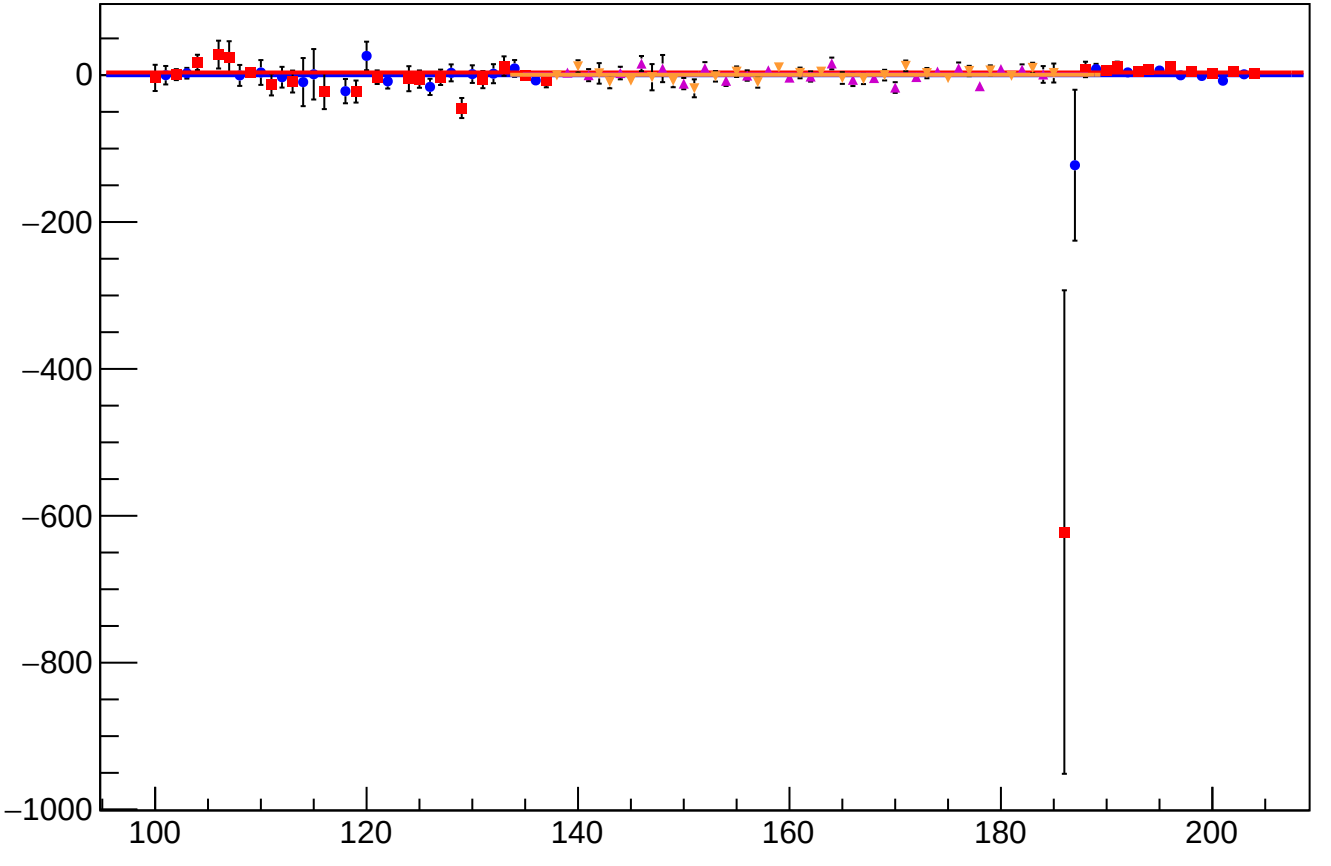
In: -1.571+/-2.291 χ^2/NDF:41.7/46

Out: -2.264+/-2.192 χ^2/NDF:65.1/54

All: -1.933+/-1.584 χ^2/NDF: 106.8/101


diff_bpm11X_rms vs Slug, Sign Corrected
22000
20000
18000
16000
14000
12000
10000
100
120
140
160
180
200
Right In: 13056.539+/-2.605 χ²/NDF: 1160169.6/23
Left Out: 12056.714+/-1.989 χ²/NDF:1561738.9/24
Right Out: 13400.728+/-2.473 χ²/NDF: 1316483.1/29
Left In: 12249.109+/-2.069 χ²/NDF:1416030.4/22
Left: 12149.117+/-1.434 χ²/NDF: 2982262.4/47
Right: 13237.578+/-1.793 χ²/NDF: 2485836.6/53
In: 12561.505+/-1.620 χ²/NDF:2635111.3/46
Out: 12584.744+/-1.550 χ²/NDF:3057584.1/54
All: 12573.640+/-1.120 χ²/NDF: 5692802.8/1

diff_bpm11Y_mean vs Slug, Sign Corrected



Right In: -0.113+/-1.514 χ^2/NDF: 17.2/23

Left Out: 0.526+/-1.369 χ^2/NDF:21.4/24

Right Out: 3.600+/-1.342 χ^2/NDF: 36.7/29

Left In: 0.946+/-1.294 χ^2/NDF:32.2/22

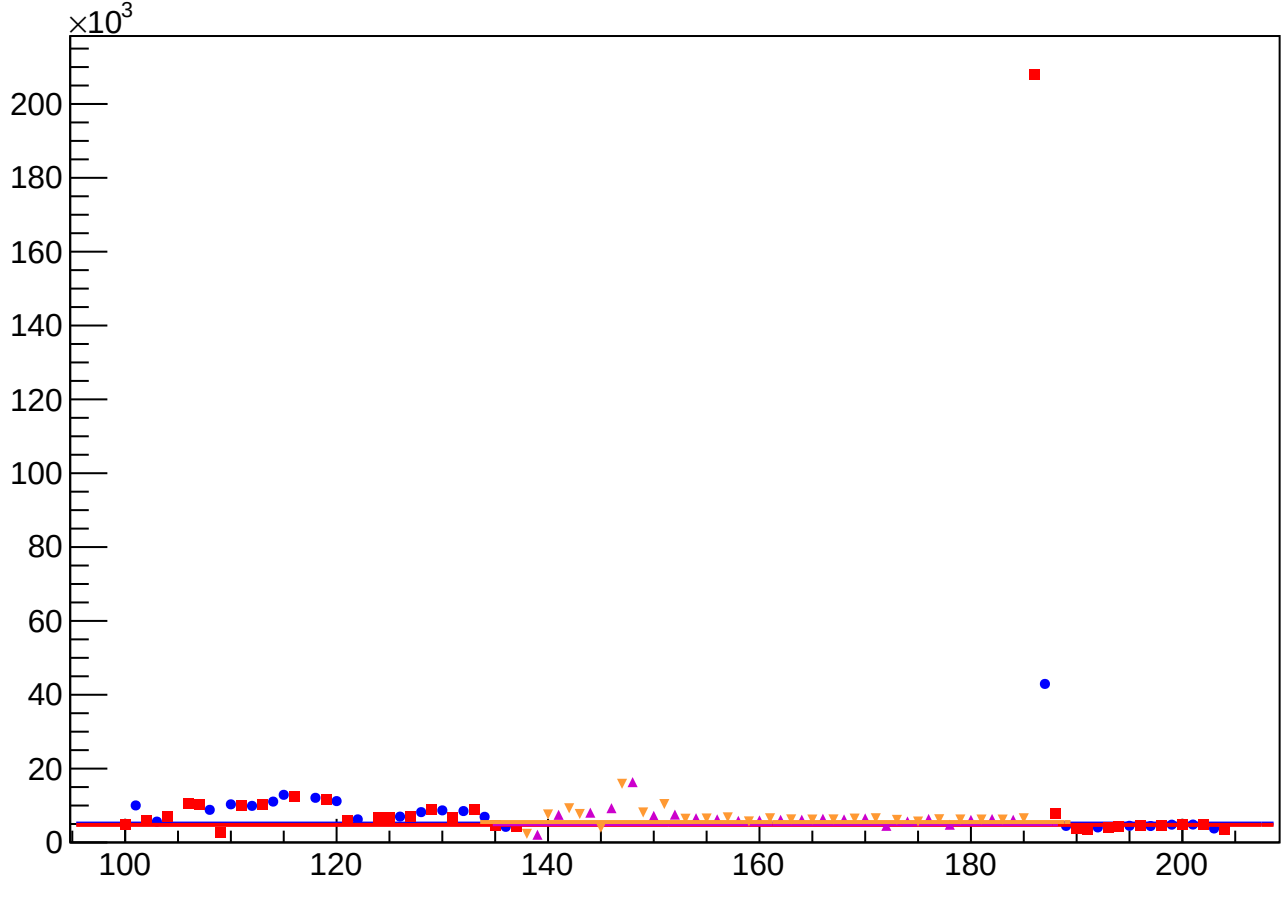
Left: 0.748+/-0.940 χ^2/NDF: 53.7/47

Right: 1.966+/-1.005 χ^2/NDF: 57.3/53

In: 0.499+/-0.984 χ^2/NDF:49.7/46

Out: 2.093+/-0.958 χ^2/NDF:60.7/54

All: 1.317+/-0.687 χ^2/NDF: 111.8/101



Right In: 5112.032+/-1.071 χ^2/NDF: 2970301.5/23

Left Out: 5527.971+/-0.968 χ^2/NDF:4375722.1/24

Right Out: 4760.001+/-0.949 χ^2/NDF: 3950631.8/29

Left In: 4941.993+/-0.915 χ^2/NDF:5936108.3/22

Left: 5218.619+/-0.665 χ^2/NDF: 10505353.1/47

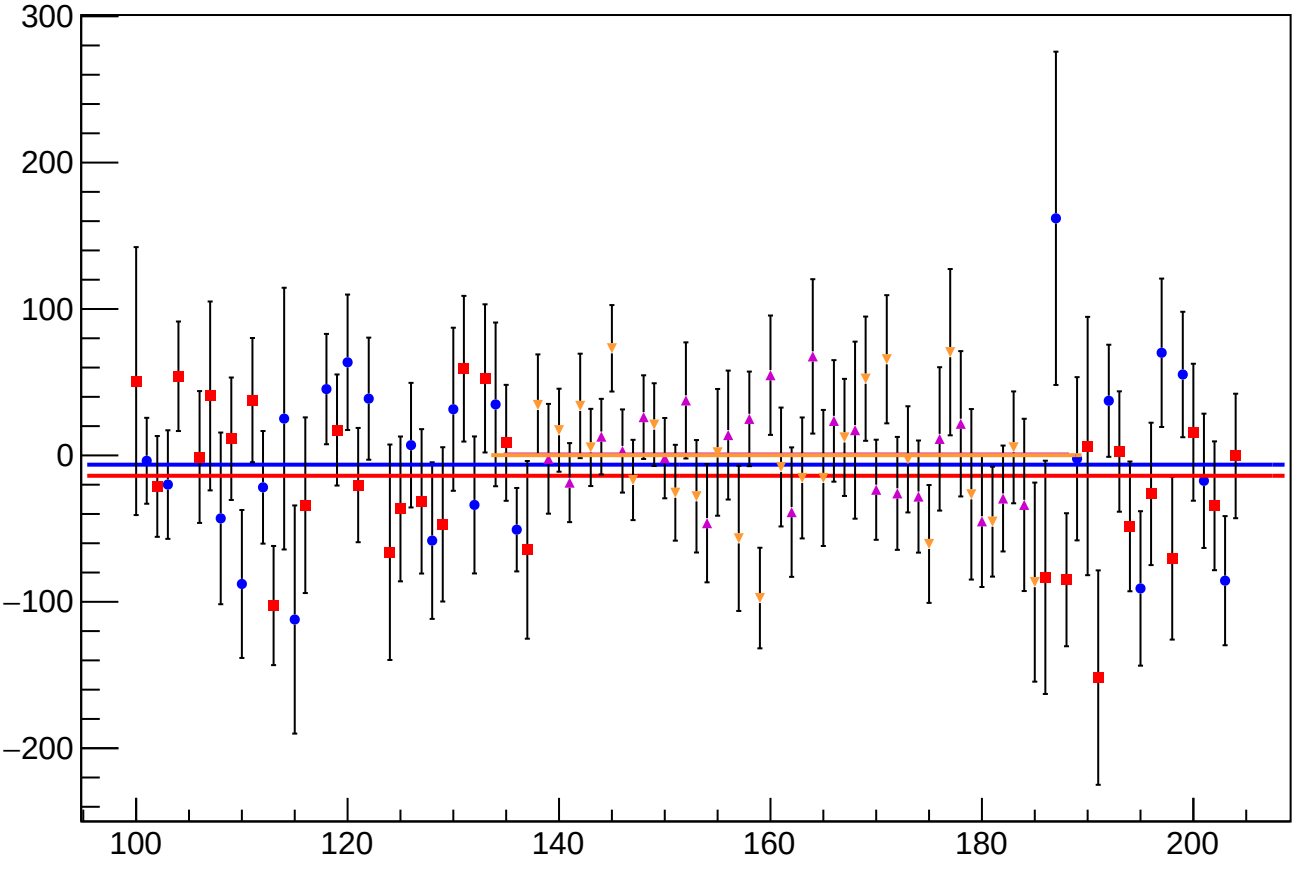
Right: 4914.916+/-0.710 χ^2/NDF: 6981456.3/53

In: 5013.776+/-0.696 χ^2/NDF:8920982.0/46

Out: 5136.539+/-0.678 χ^2/NDF:8647275.5/54

All: 5076.767+/-0.485 χ^2/NDF: 17584234.5/

diff_bpm12X_mean vs Slug, Sign Corrected



Right In: -6.326+/-9.175 χ^2/NDF: 29.1/23

Left Out: 0.168+/-7.375 χ^2/NDF:31.1/24

Right Out: -13.909+/-8.713 χ^2/NDF: 27.6/29

Left In: 0.586+/-7.667 χ^2/NDF:12.8/22

Left: 0.369+/-5.315 χ^2/NDF: 43.9/47

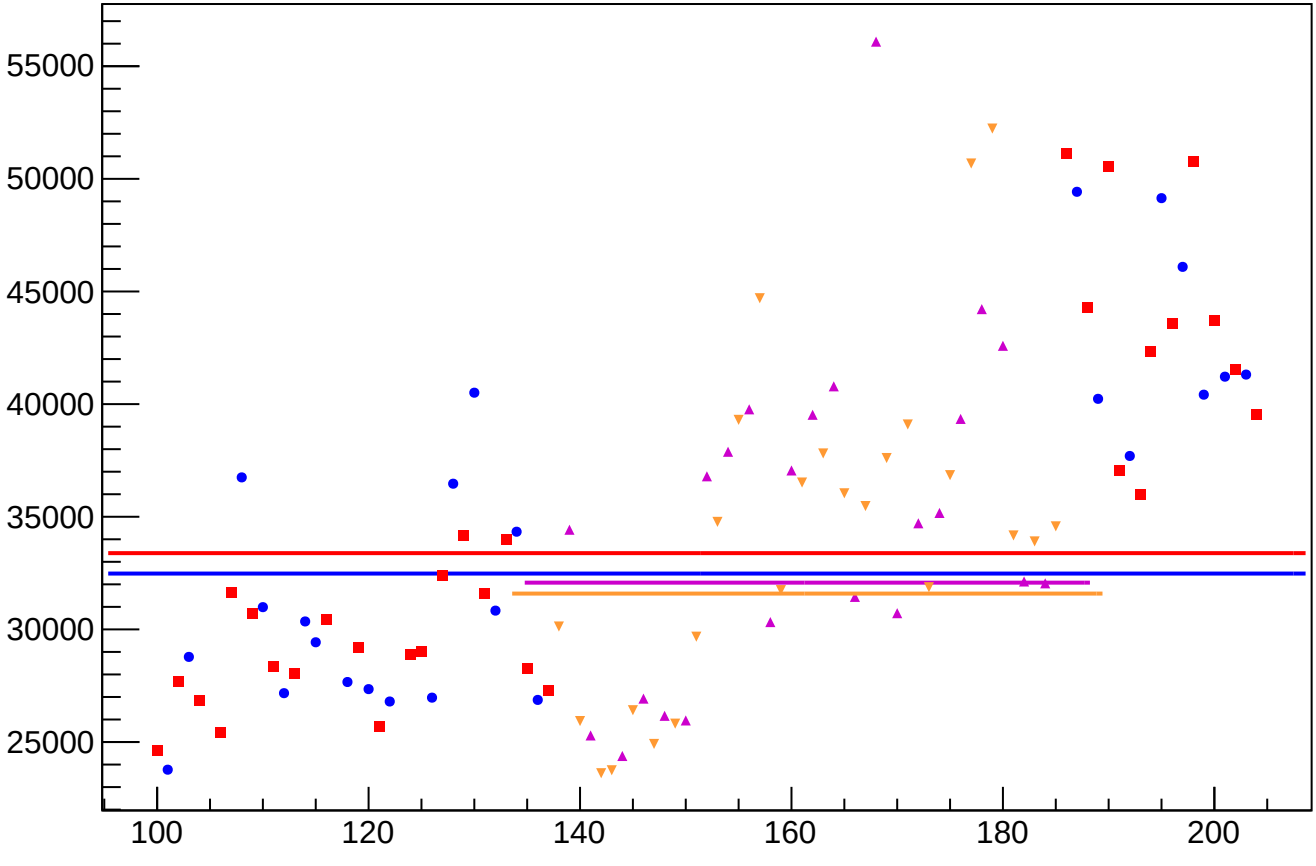
Right: -10.313+/-6.318 χ^2/NDF: 57.0/53

In: -2.256+/-5.883 χ^2/NDF:42.2/46

Out: -5.707+/-5.629 χ^2/NDF:60.2/54

All: -4.058+/-4.067 χ^2/NDF: 102.6/101

diff_bpm12X_rms vs Slug, Sign Corrected



Right In: 32478.639+/-6.487 χ^2/NDF: 1198975.2/23

Left Out: 31589.841+/-5.215 χ^2/NDF:1590867.7/24

Right Out: 33385.159+/-6.161 χ^2/NDF: 1331142.4/29

Left In: 32075.078+/-5.421 χ^2/NDF:1455714.6/22

Left: 31823.038+/-3.758 χ^2/NDF: 3050743.5/47

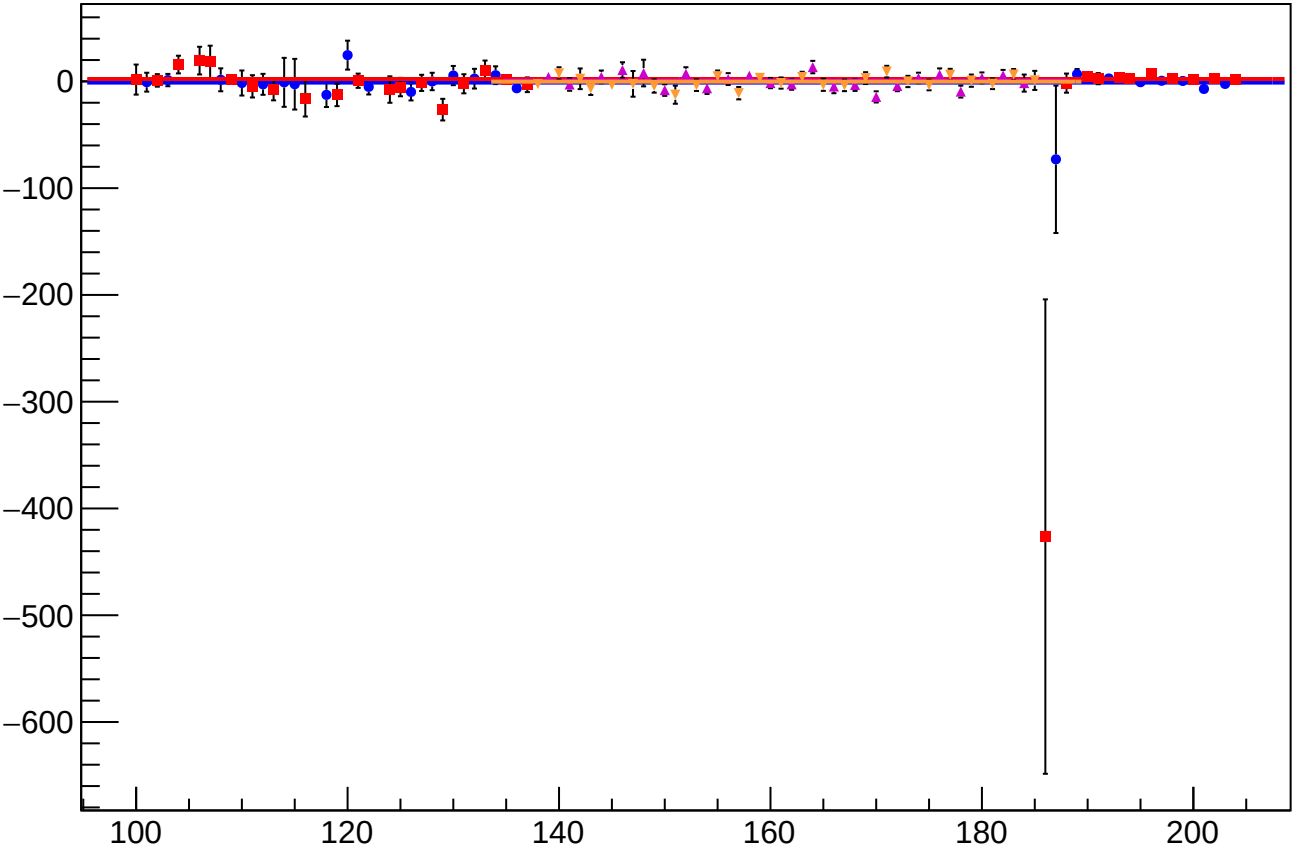
Right: 32955.251+/-4.468 χ^2/NDF: 2540383.6/53

In: 32241.019+/-4.160 χ^2/NDF:2656968.4/46

Out: 32339.141+/-3.980 χ^2/NDF:2971478.5/54

All: 32292.243+/-2.876 χ^2/NDF: 5628737.3/1

diff_bpm12Y_mean vs Slug, Sign Corrected



Right In: -1.116+/-1.014 χ^2/NDF: 19.4/23

Left Out: -0.226+/-1.094 χ^2/NDF:19.9/24

Right Out: 2.241+/-0.927 χ^2/NDF: 29.1/29

Left In: 0.788+/-1.061 χ^2/NDF:33.8/22

Left: 0.297+/-0.761 χ^2/NDF: 54.1/47

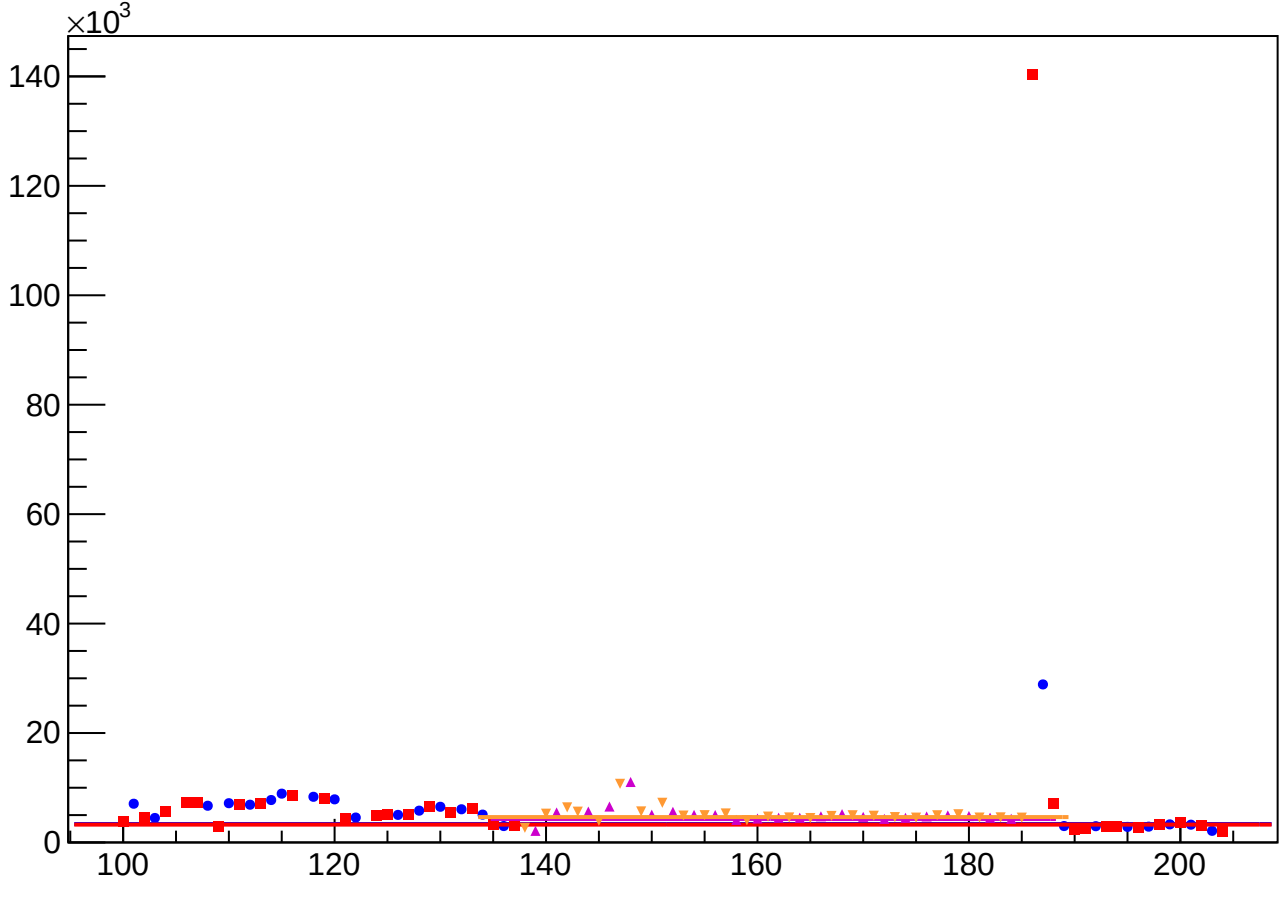
Right: 0.714+/-0.684 χ^2/NDF: 54.4/53

In: -0.206+/-0.733 χ^2/NDF:54.8/46

Out: 1.210+/-0.707 χ^2/NDF:51.9/54

All: 0.528+/-0.509 χ^2/NDF: 108.7/101

diff_bpm12Y_rms vs Slug, Sign Corrected



Right In: 3365.582+/-0.717 χ^2/NDF: 3727596.1/23

Left Out: 4637.399+/-0.774 χ^2/NDF:1763103.2/24

Right Out: 3263.545+/-0.655 χ^2/NDF: 4691806.2/29

Left In: 4295.074+/-0.750 χ^2/NDF:3095610.0/22

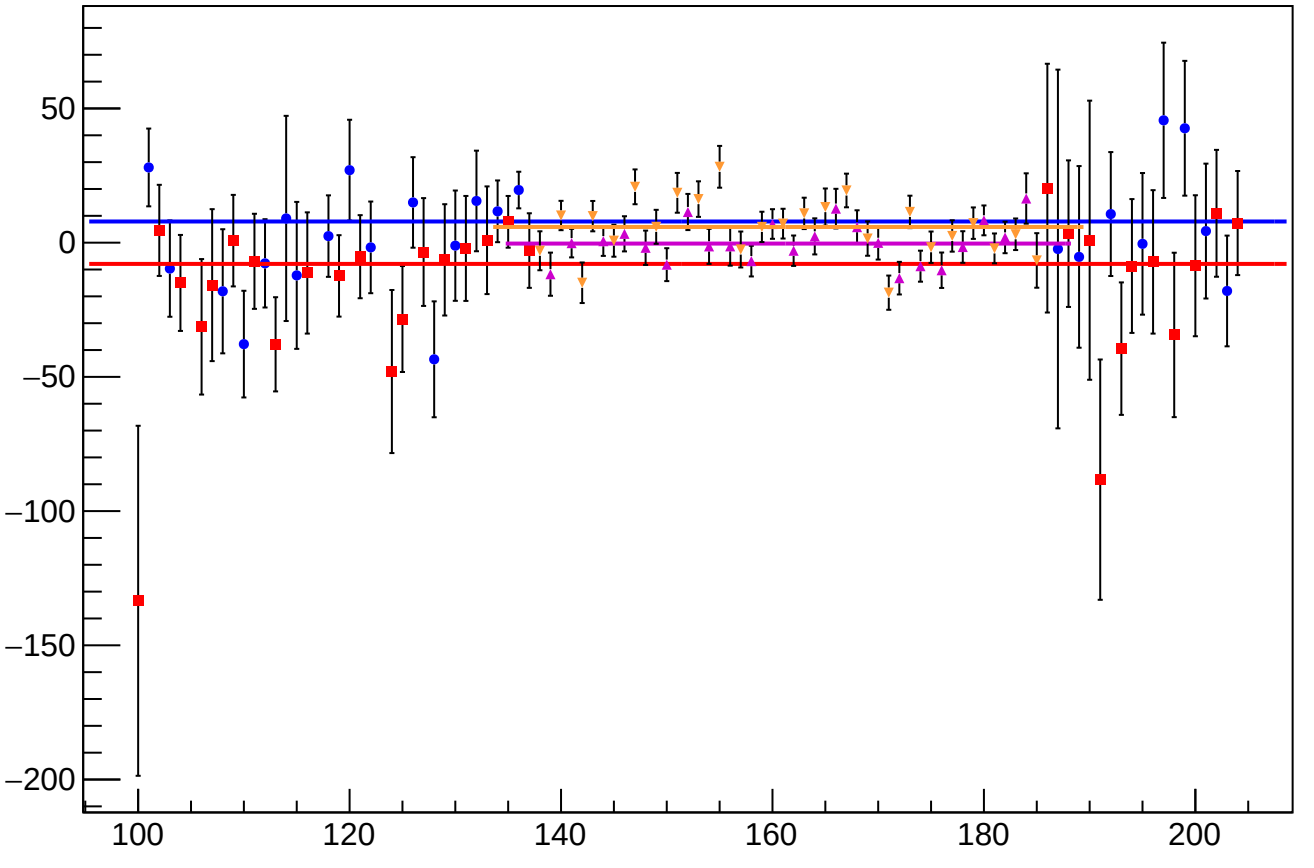
Left: 4460.947+/-0.538 χ^2/NDF: 4959666.2/47

Right: 3309.960+/-0.484 χ^2/NDF: 8430431.7/53

In: 3809.663+/-0.518 χ^2/NDF:7625365.3/46

Out: 3837.559+/-0.500 χ^2/NDF:8291434.6/54

All: 3824.115+/-0.360 χ^2/NDF: 15918300.1/1



Right In: 7.890+/-3.543 χ^2/NDF: 27.1/23

Left Out: 5.849+/-1.257 χ^2/NDF:60.0/24

Right Out: -7.912+/-3.681 χ^2/NDF: 22.0/29

Left In: -0.337+/-1.301 χ^2/NDF:29.4/22

Left: 2.861+/-0.904 χ^2/NDF: 101.1/47

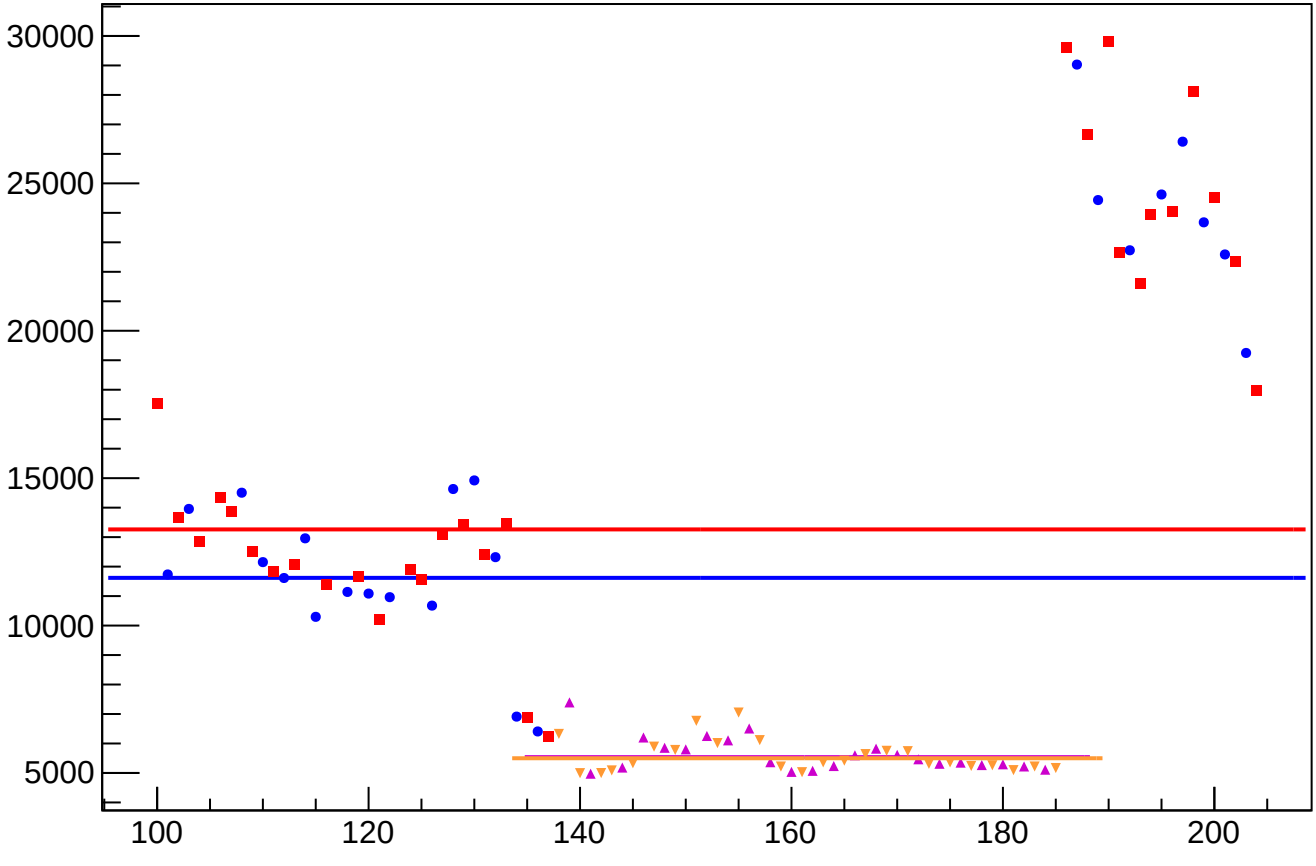
Right: 0.290+/-2.553 χ^2/NDF: 58.7/53

In: 0.640+/-1.221 χ^2/NDF:61.2/46

Out: 4.411+/-1.190 χ^2/NDF:94.6/54

All: 2.574+/-0.852 χ^2/NDF: 160.7/101

diff_bpm16X_rms vs Slug, Sign Corrected



Right In: 11618.311+/-2.505 χ^2/NDF: 4694514.4/23

Left Out: 5499.215+/-0.889 χ^2/NDF:297719.4/24

Right Out: 13261.693+/-2.603 χ^2/NDF: 4759068.3/29

Left In: 5537.777+/-0.920 χ^2/NDF:304062.1/22

Left: 5517.842+/-0.639 χ^2/NDF: 602690.2/47

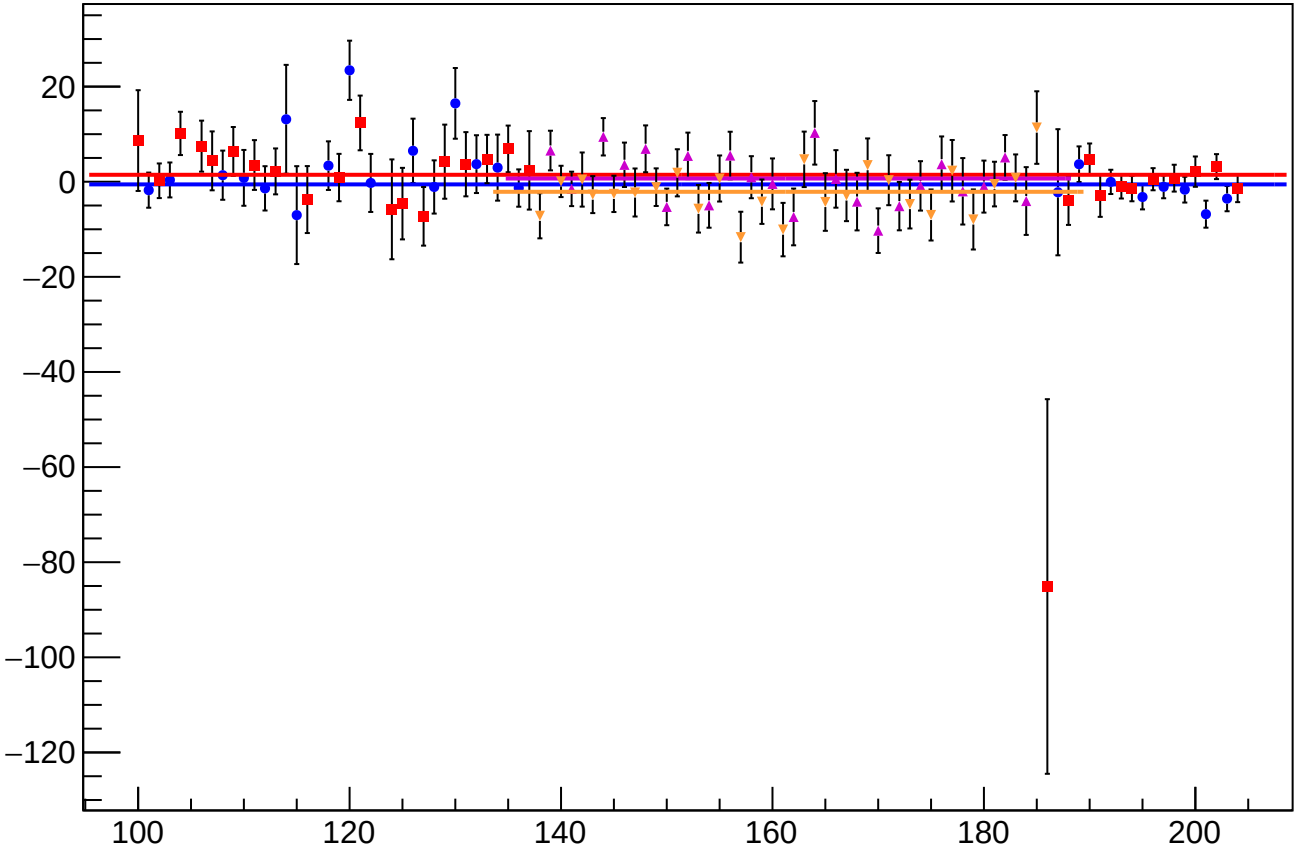
Right: 12408.635+/-1.805 χ^2/NDF: 9660519.6/53

In: 6260.045+/-0.863 χ^2/NDF:10189687.3/46

Out: 6310.377+/-0.841 χ^2/NDF:13021830.3/54

All: 6285.862+/-0.603 χ^2/NDF: 23213260.6/1

diff_bpm16Y_mean vs Slug, Sign Corrected



Right In: -0.560+/-0.815 χ^2/NDF: 33.5/23

Left Out: -2.116+/-0.987 χ^2/NDF:17.5/24

Right Out: 1.459+/-0.759 χ^2/NDF: 27.7/29

Left In: 0.670+/-1.031 χ^2/NDF:28.4/22

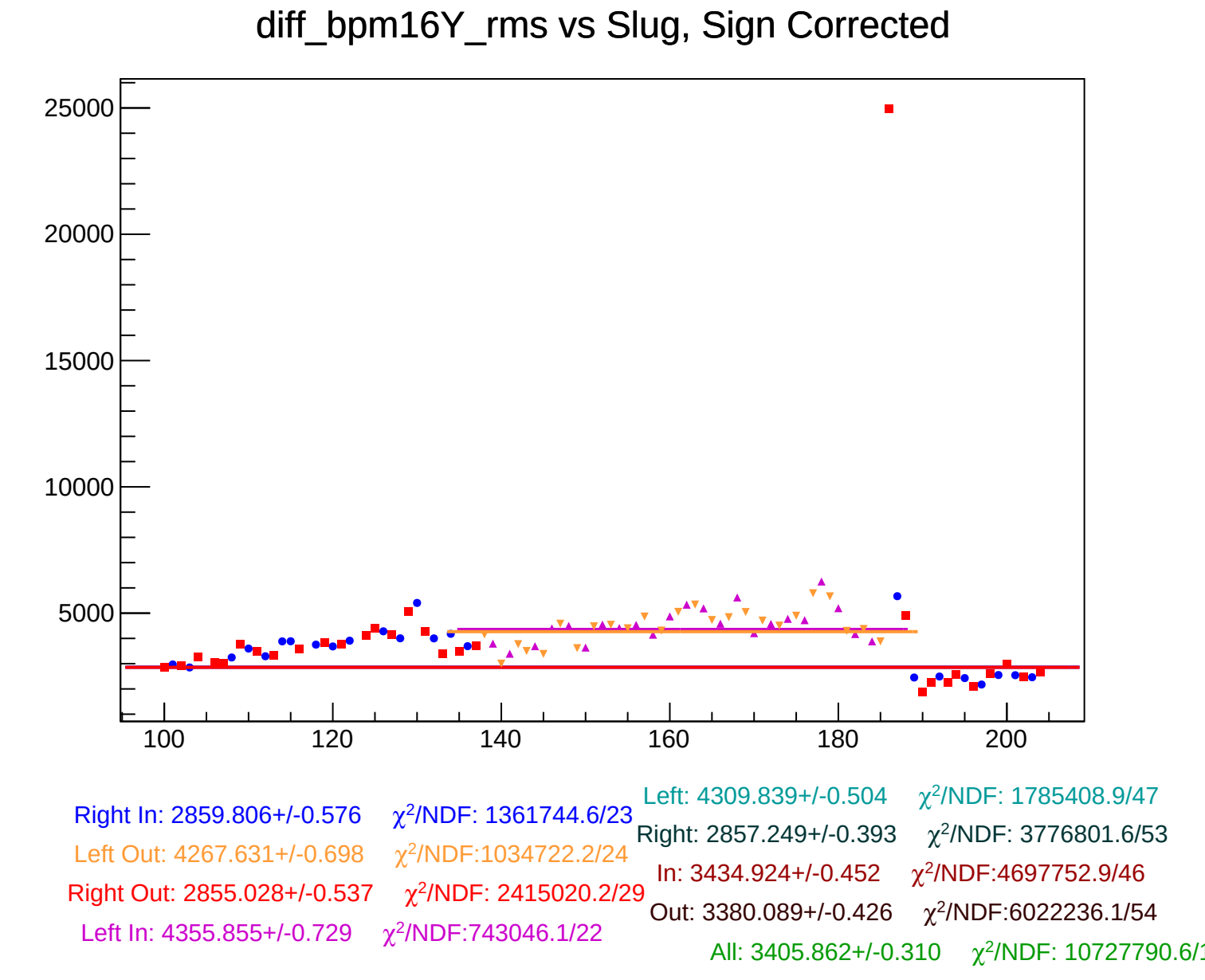
Left: -0.783+/-0.713 χ^2/NDF: 49.6/47

Right: 0.520+/-0.555 χ^2/NDF: 64.5/53

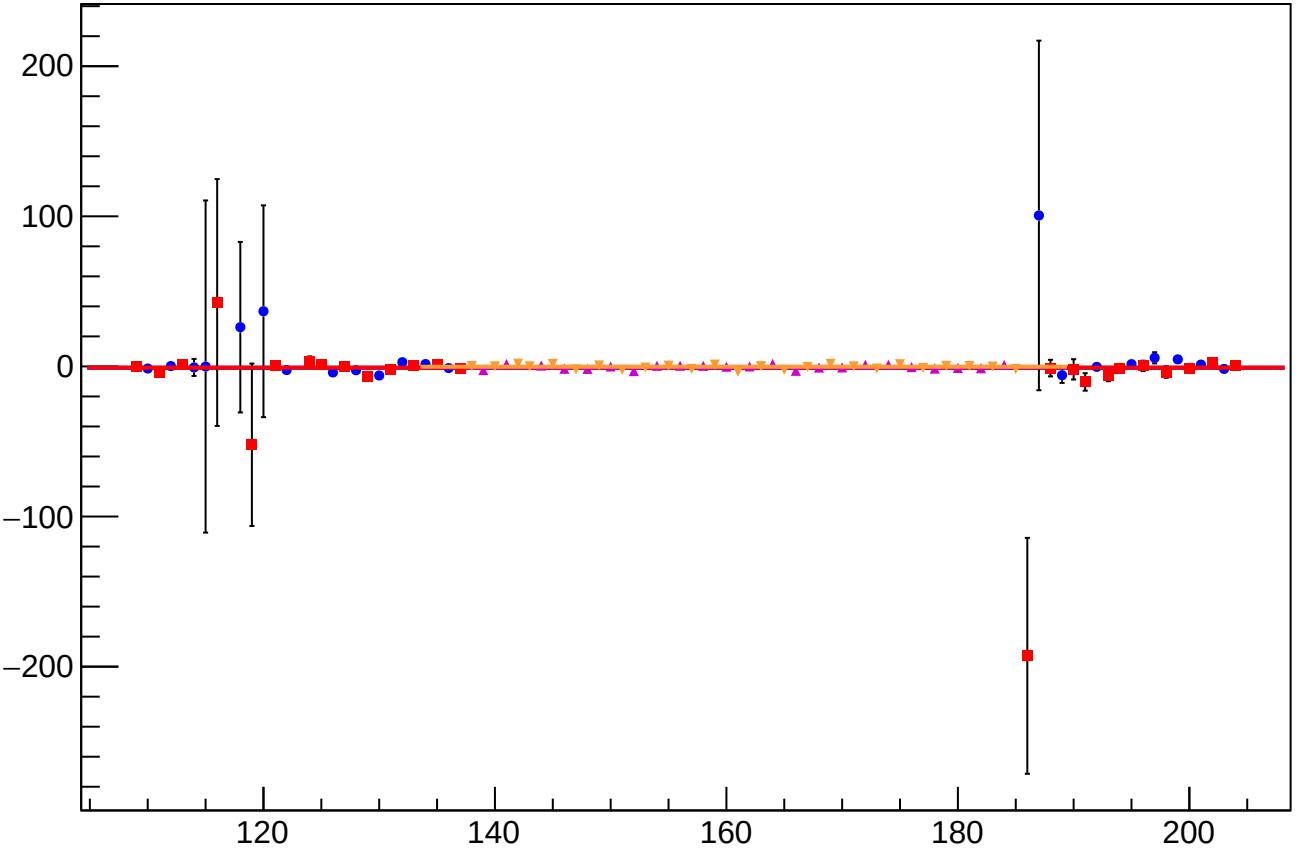
In: -0.087+/-0.639 χ^2/NDF:62.8/46

Out: 0.130+/-0.602 χ^2/NDF:53.4/54

All: 0.028+/-0.438 χ^2/NDF: 116.2/101


diff_bpm16Y_rms vs Slug, Sign Corrected
25000
20000
15000
10000
5000
100
120
140
160
180
200
Right In: 2859.806+/-0.576 χ²/NDF: 1361744.6/23
Left Out: 4267.631+/-0.698 χ²/NDF:1034722.2/24
Right Out: 2855.028+/-0.537 χ²/NDF: 2415020.2/29
Left In: 4355.855+/-0.729 χ²/NDF:743046.1/22
Left: 4309.839+/-0.504 χ²/NDF: 1785408.9/47
Right: 2857.249+/-0.393 χ²/NDF: 3776801.6/53
In: 3434.924+/-0.452 χ²/NDF:4697752.9/46
Out: 3380.089+/-0.426 χ²/NDF:6022236.1/54
All: 3405.862+/-0.310 χ²/NDF: 10727790.6/

diff_bpm1p02bX_mean vs Slug, Sign Corrected



Right In: -0.881+/-0.633 χ^2/NDF: 20.7/20

Left Out: -0.201+/-0.236 χ^2/NDF:33.9/24

Right Out: -0.821+/-0.608 χ^2/NDF: 26.1/24

Left In: -0.333+/-0.242 χ^2/NDF:29.4/22

Left: -0.265+/-0.169 χ^2/NDF: 63.5/47

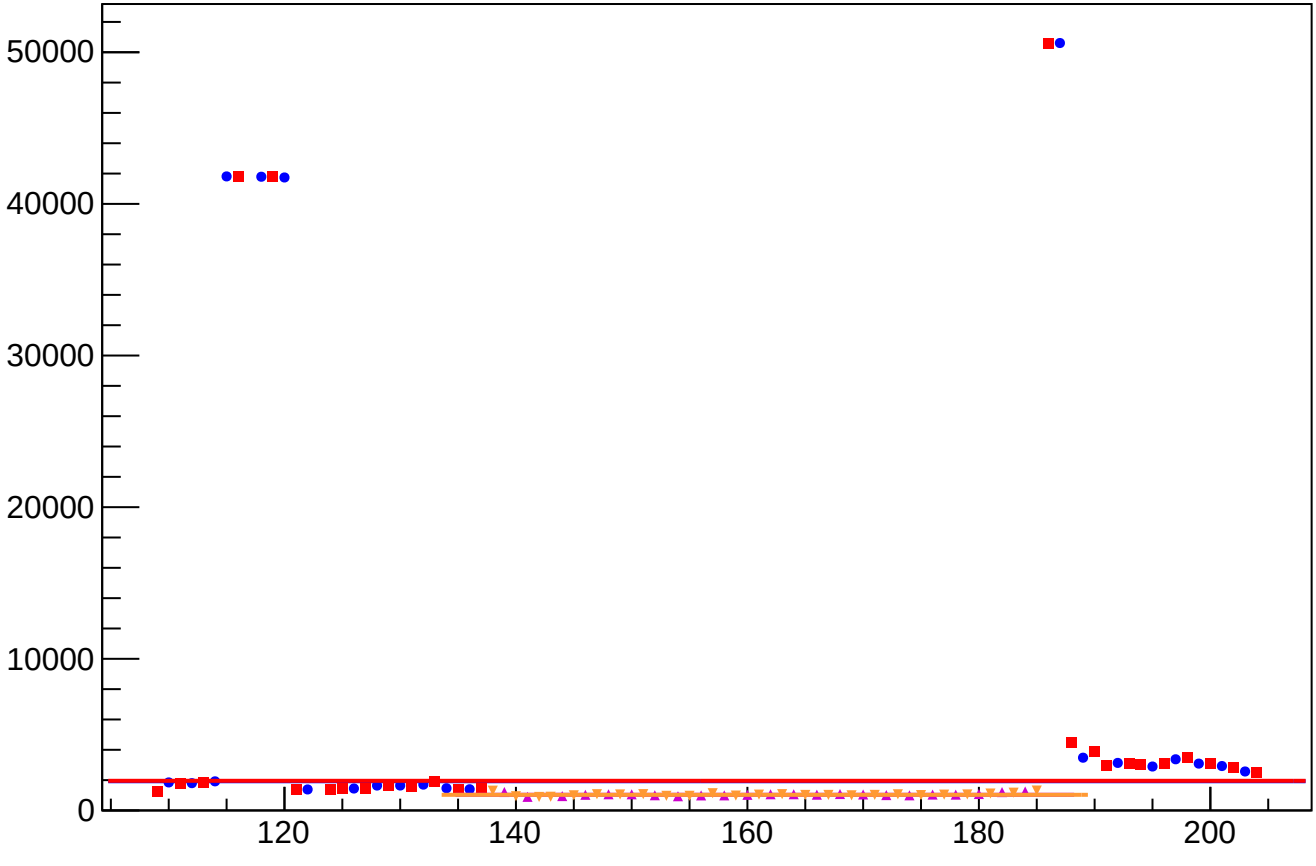
Right: -0.850+/-0.439 χ^2/NDF: 46.8/45

In: -0.403+/-0.226 χ^2/NDF:50.8/43

Out: -0.282+/-0.220 χ^2/NDF:60.9/49

All: -0.341+/-0.158 χ^2/NDF: 111.9/93

diff_bpm1p02bX_rms vs Slug, Sign Corrected



Right In: 1925.421+/-0.448 χ^2/NDF: 4369030.4/20

Left Out: 1031.473+/-0.167 χ^2/NDF:244095.3/24

Right Out: 1955.530+/-0.430 χ^2/NDF: 5346937.7/24

Left In: 1032.715+/-0.171 χ^2/NDF:187148.3/22

Left: 1032.077+/-0.119 χ^2/NDF: 431270.7/47

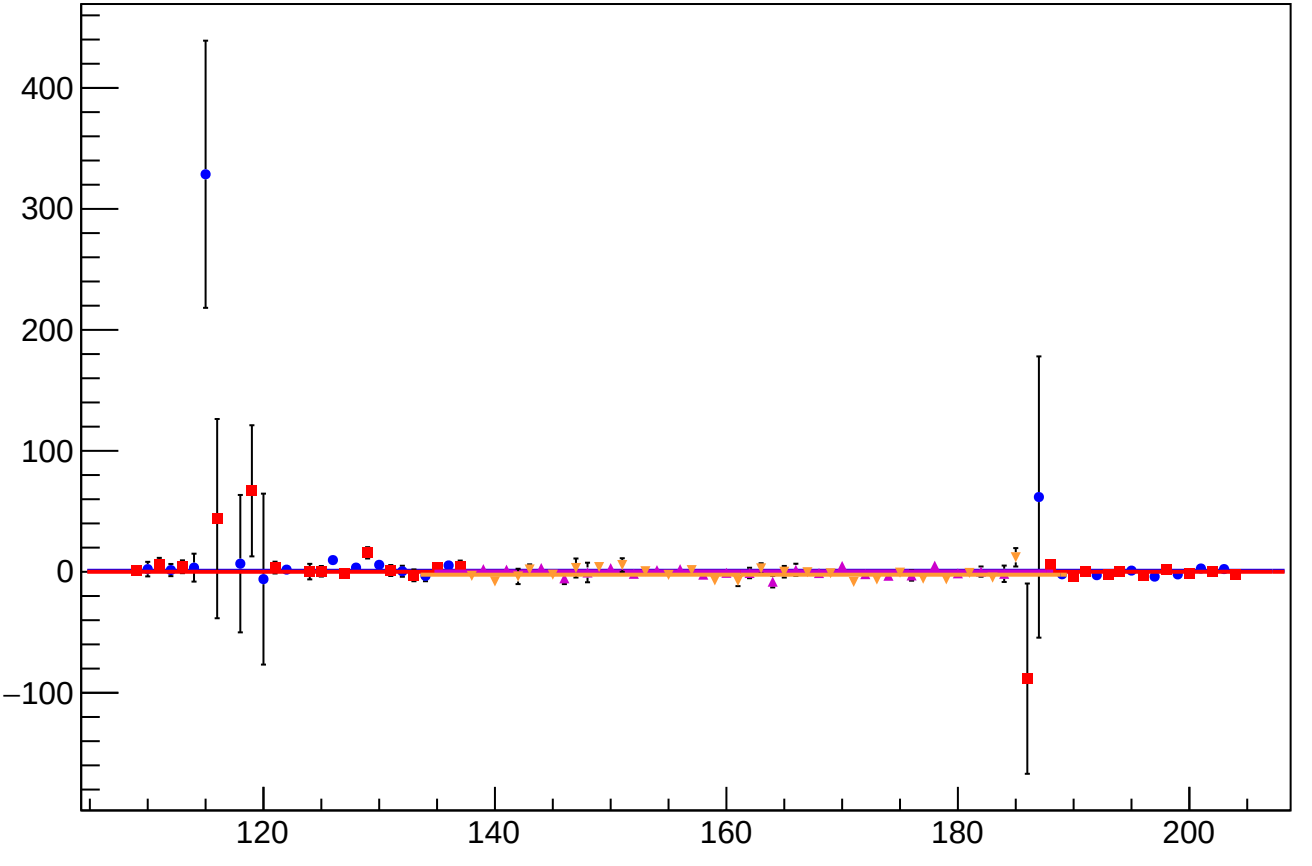
Right: 1941.082+/-0.310 χ^2/NDF: 9718318.1/45

In: 1146.538+/-0.160 χ^2/NDF:8021674.8/43

Out: 1151.870+/-0.155 χ^2/NDF:9602986.1/49

All: 1149.283+/-0.111 χ^2/NDF: 17625232.7/9

diff_bpm1p02bY_mean vs Slug, Sign Corrected



Right In: 0.867+/-0.674 χ^2/NDF: 33.2/20

Left Out: -2.380+/-0.782 χ^2/NDF:24.3/24

Right Out: 0.042+/-0.630 χ^2/NDF: 29.9/24

Left In: 0.171+/-0.810 χ^2/NDF:12.6/22

Left: -1.149+/-0.563 χ^2/NDF: 42.1/47

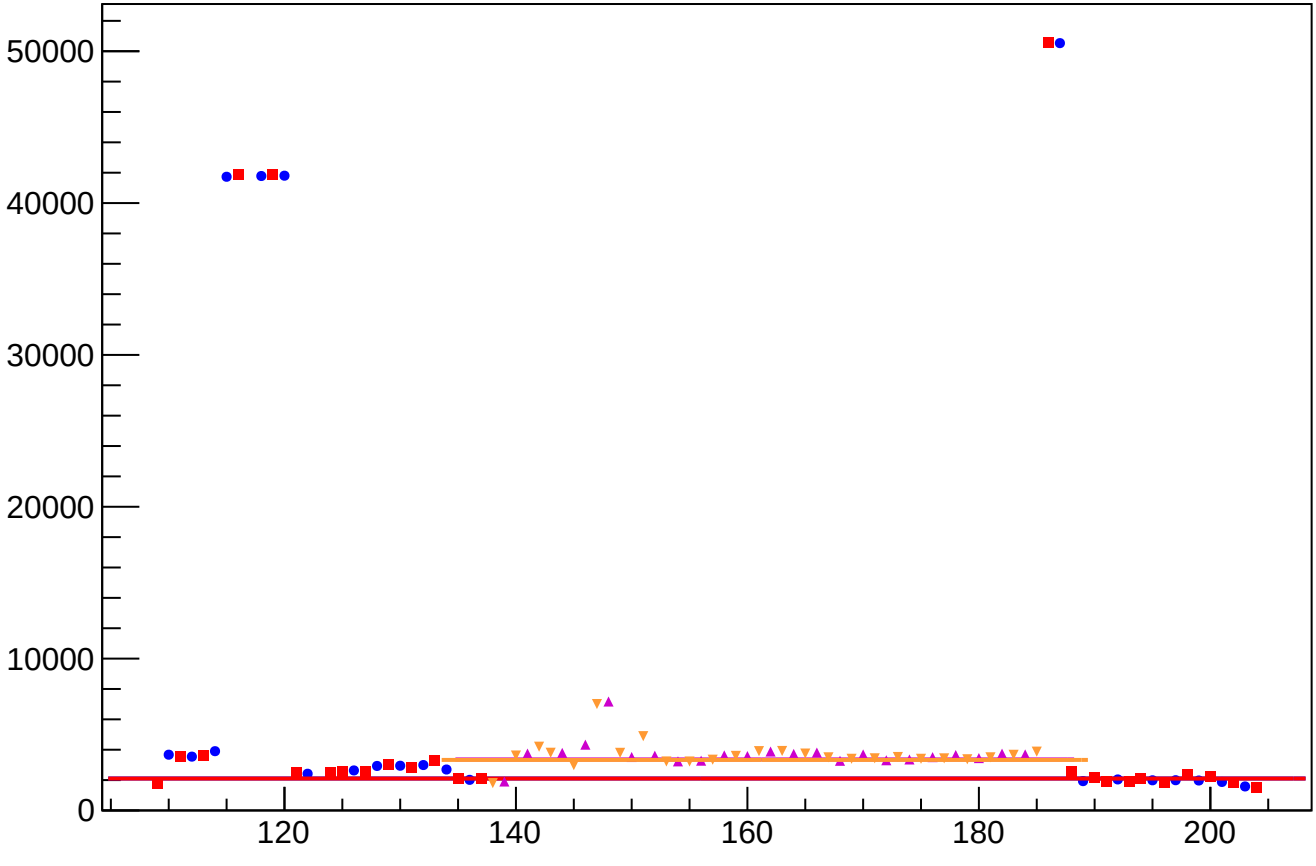
Right: 0.427+/-0.460 χ^2/NDF: 63.9/45

In: 0.582+/-0.518 χ^2/NDF:46.2/43

Out: -0.912+/-0.491 χ^2/NDF:60.1/49

All: -0.205+/-0.356 χ^2/NDF: 110.7/93

diff_bpm1p02bY_rms vs Slug, Sign Corrected



Right In: 2105.612+/-0.476 χ^2/NDF: 3129380.9/20

Left Out: 3328.251+/-0.553 χ^2/NDF:1915576.2/24

Right Out: 2101.457+/-0.446 χ^2/NDF: 3389607.2/24

Left In: 3360.799+/-0.572 χ^2/NDF:1649390.5/22

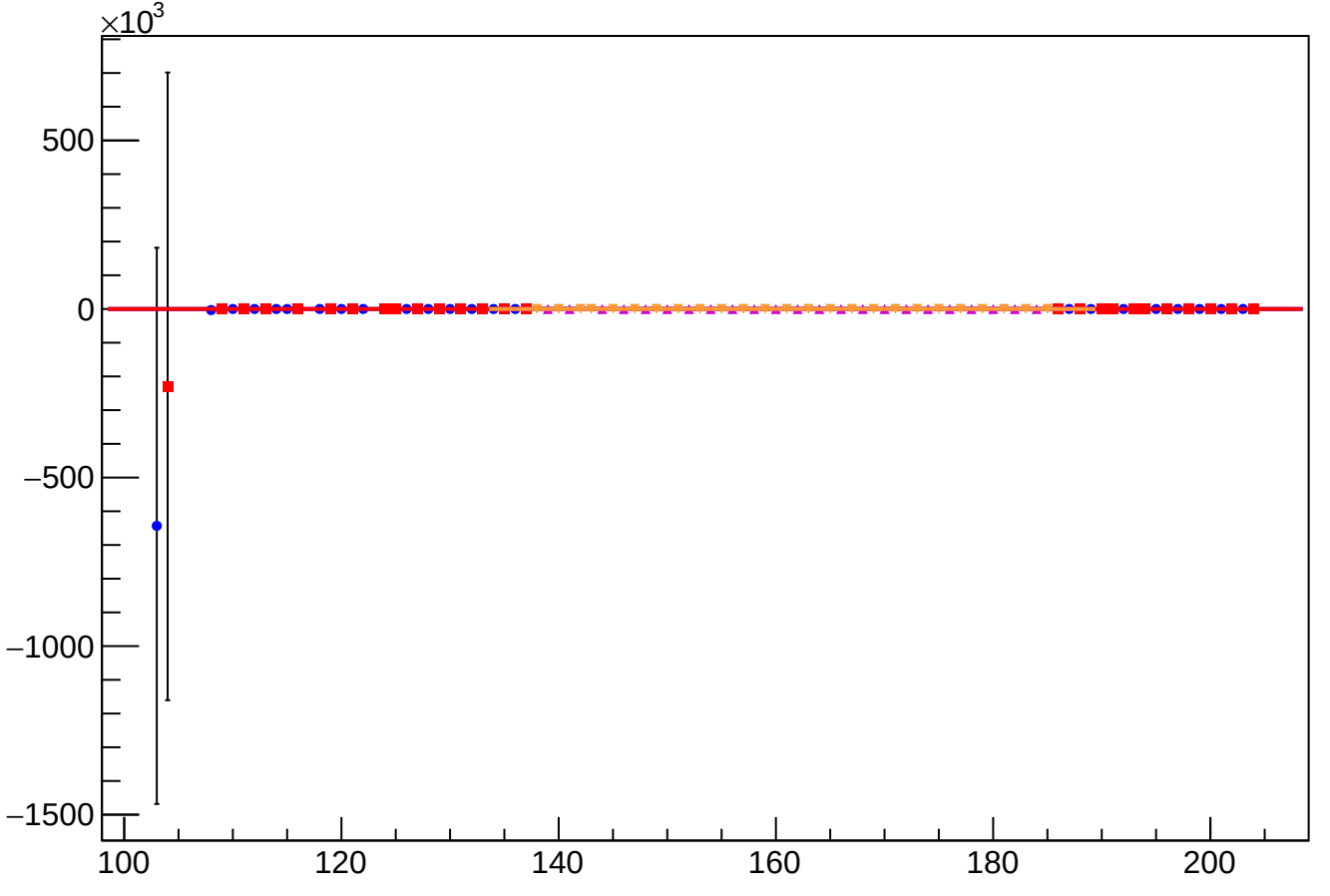
Left: 3343.963+/-0.398 χ^2/NDF: 3566638.9/47

Right: 2103.396+/-0.325 χ^2/NDF: 6519028.7/45

In: 2619.274+/-0.366 χ^2/NDF:7618725.7/43

Out: 2584.470+/-0.347 χ^2/NDF:8288713.4/49

All: 2600.935+/-0.252 χ^2/NDF: 15912198.2/9



Right In: -0.899+/-0.677 χ^2/NDF: 26.2/22

Left Out: -1.573+/-0.363 χ^2/NDF:50.3/24

Right Out: 1.634+/-0.651 χ^2/NDF: 24.5/25

Left In: -0.018+/-0.374 χ^2/NDF:27.3/22

Left: -0.819+/-0.261 χ^2/NDF: 86.5/47

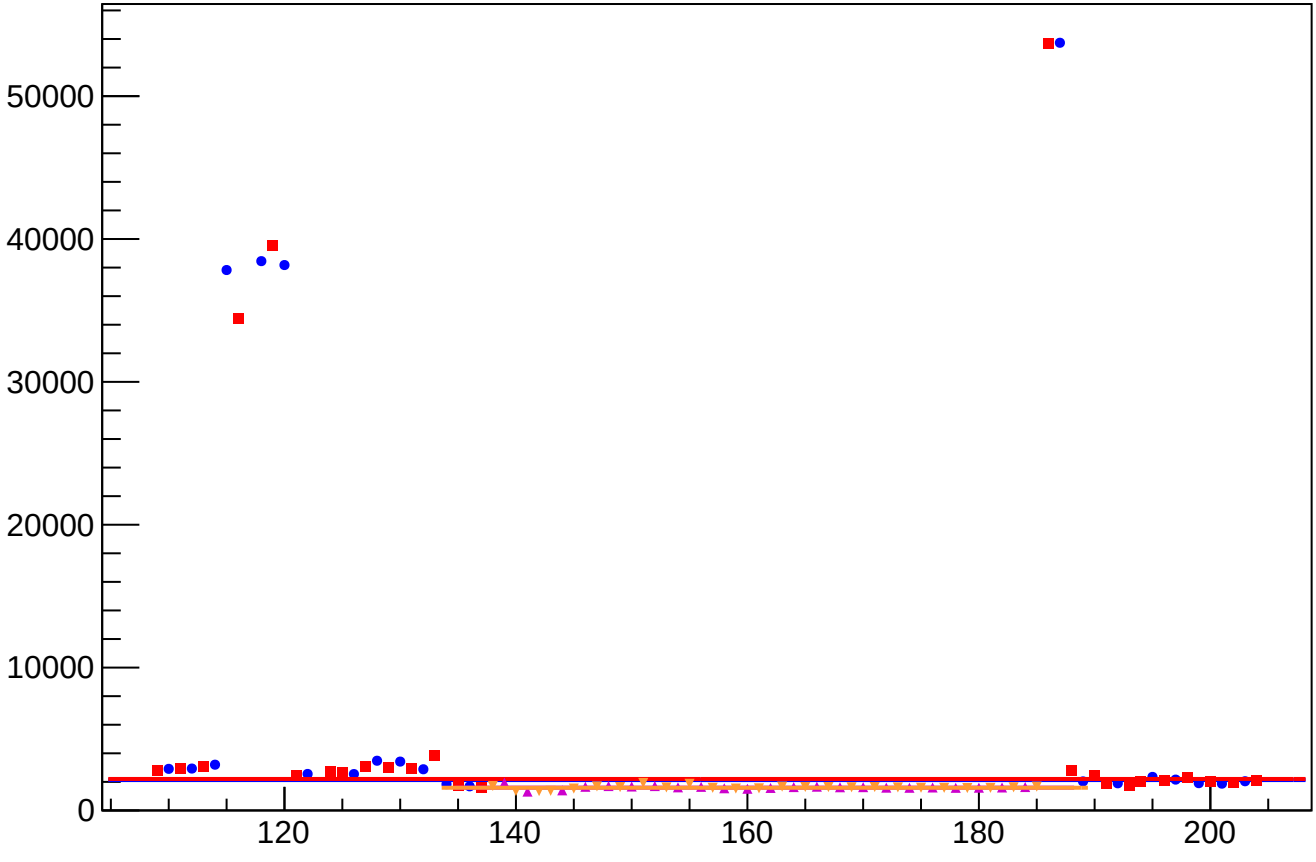
Right: 0.418+/-0.469 χ^2/NDF: 57.9/48

In: -0.224+/-0.328 χ^2/NDF:54.8/45

Out: -0.813+/-0.317 χ^2/NDF:93.2/50

All: -0.528+/-0.228 χ^2/NDF: 149.7/96

diff_bpm1p03aX_rms vs Slug, Sign Corrected



Right In: 2126.354+/-0.479 χ^2/NDF: 2968193.7/20

Left Out: 1589.488+/-0.257 χ^2/NDF:232518.0/24

Right Out: 2204.720+/-0.460 χ^2/NDF: 3216896.4/24

Left In: 1596.179+/-0.265 χ^2/NDF:196833.1/22

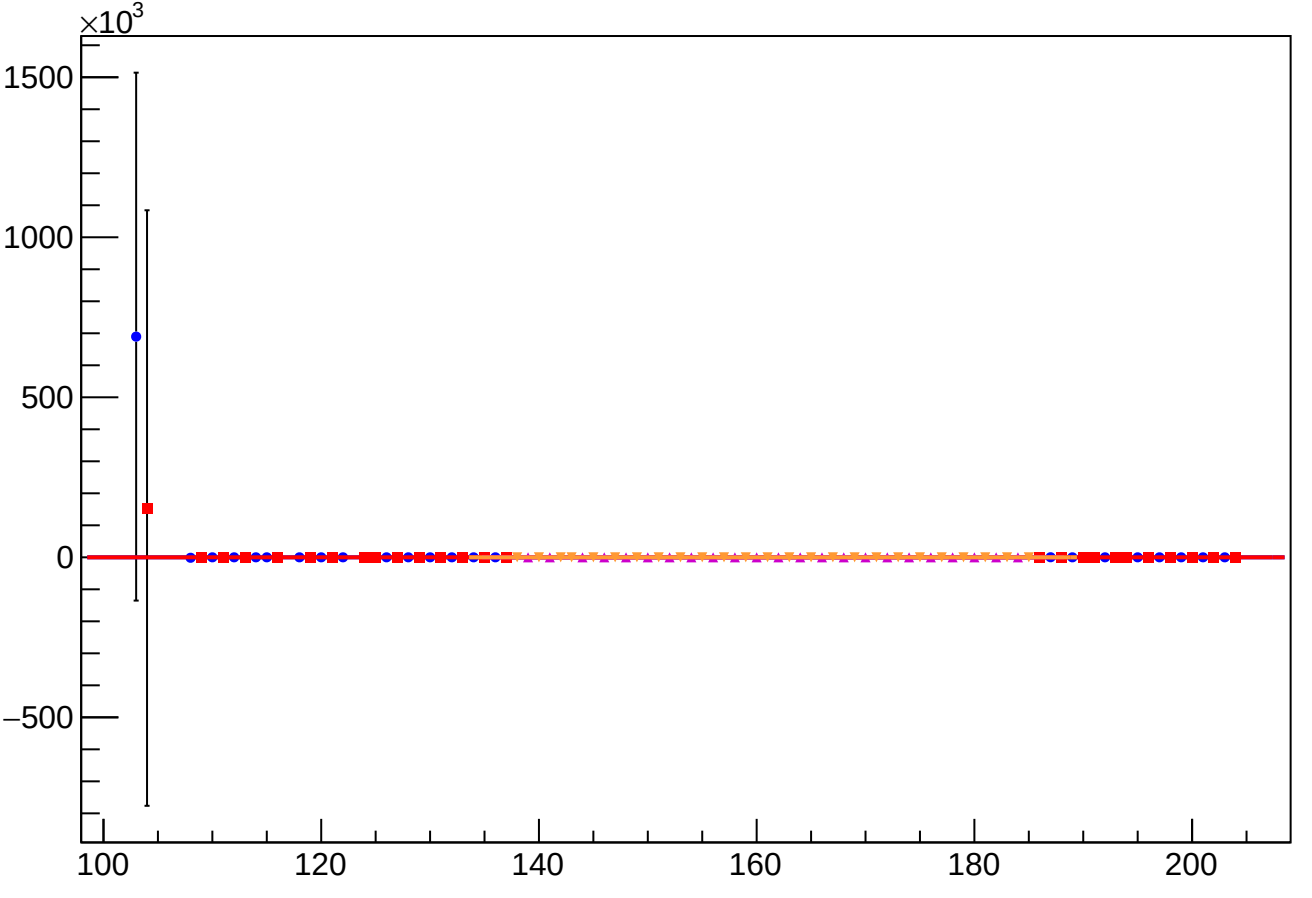
Left: 1592.729+/-0.184 χ^2/NDF: 429680.4/47

Right: 2167.094+/-0.332 χ^2/NDF: 6199001.4/45

In: 1720.235+/-0.232 χ^2/NDF:4103202.2/43

Out: 1735.316+/-0.224 χ^2/NDF:4811883.6/49

All: 1728.026+/-0.161 χ^2/NDF: 8917273.9/93



Right In: 0.823+/-0.564 χ^2/NDF: 15.5/22

Left Out: -1.179+/-0.502 χ^2/NDF:24.4/24

Right Out: -0.149+/-0.523 χ^2/NDF: 26.5/25

Left In: -0.125+/-0.501 χ^2/NDF:16.9/22

Left: -0.651+/-0.355 χ^2/NDF: 43.5/47

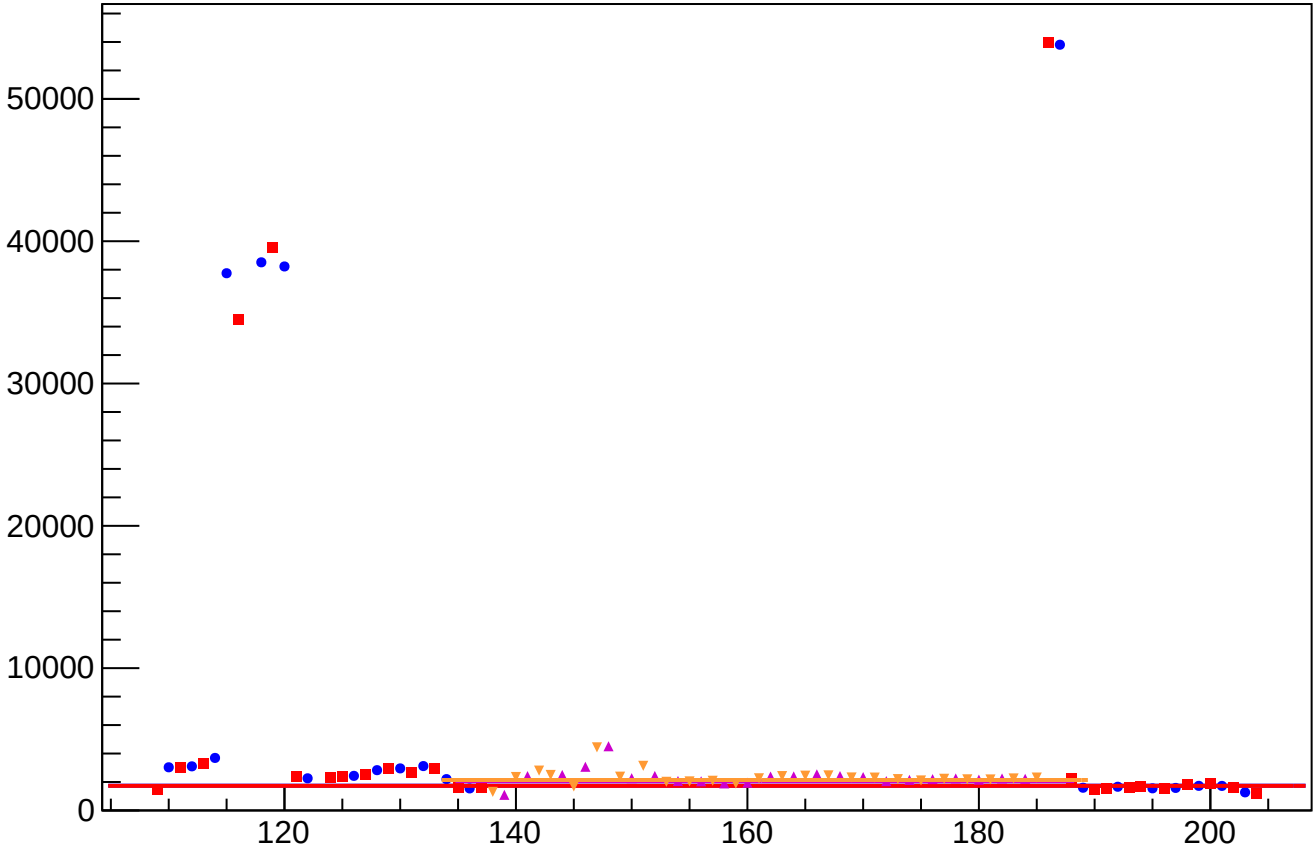
Right: 0.301+/-0.383 χ^2/NDF: 43.6/48

In: 0.294+/-0.375 χ^2/NDF:33.9/45

Out: -0.685+/-0.362 χ^2/NDF:52.9/50

All: -0.212+/-0.260 χ^2/NDF: 90.4/96

diff_bpm1p03aY_rms vs Slug, Sign Corrected



Right In: 1740.747+/-0.398 χ^2/NDF: 3569311.7/20

Left Out: 2139.248+/-0.355 χ^2/NDF:1480000.5/24

Right Out: 1728.729+/-0.370 χ^2/NDF: 3799026.0/24

Left In: 2058.216+/-0.354 χ^2/NDF:2293601.6/22

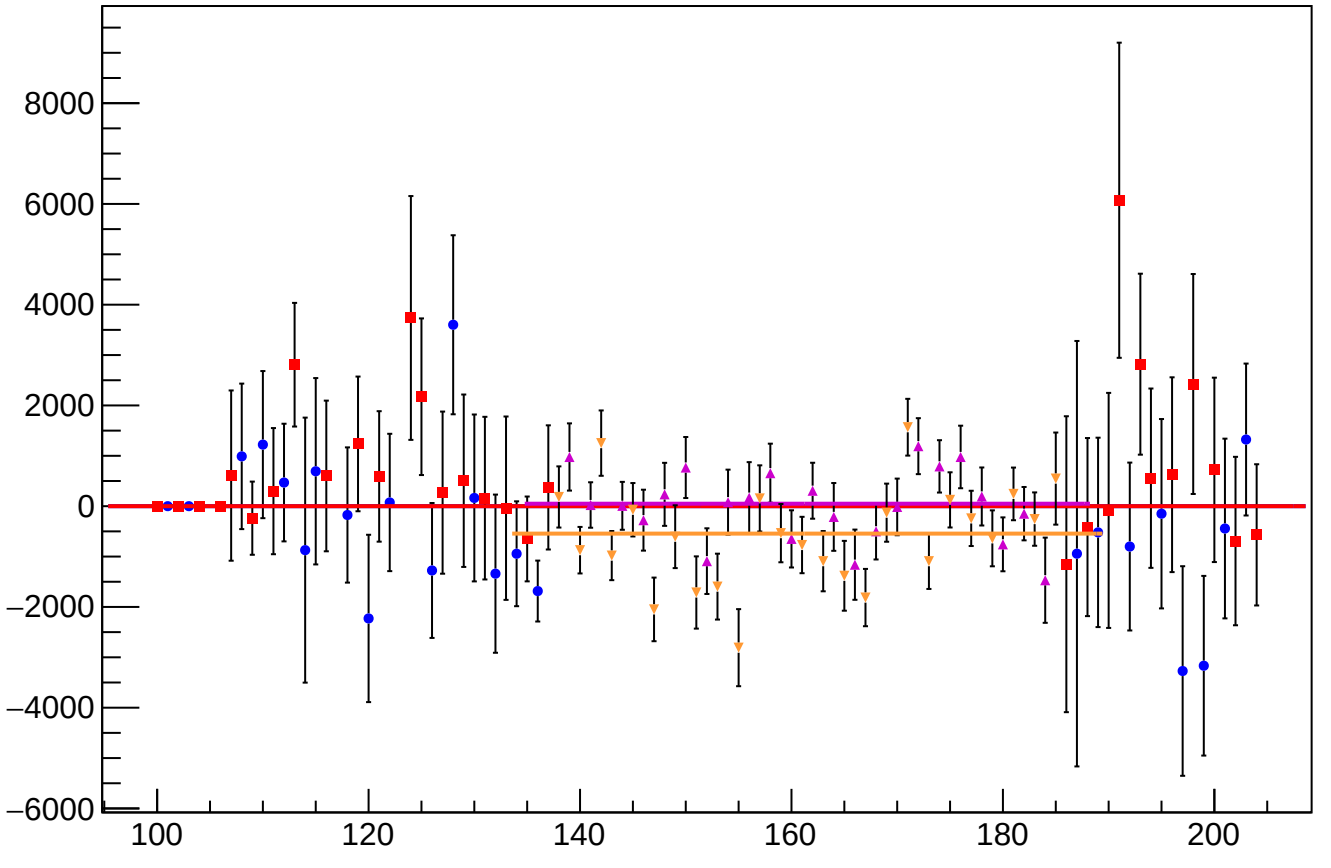
Left: 2098.634+/-0.251 χ^2/NDF: 3799672.6/47

Right: 1734.291+/-0.271 χ^2/NDF: 7368826.4/45

In: 1917.991+/-0.265 χ^2/NDF:6217279.0/43

Out: 1942.225+/-0.256 χ^2/NDF:5919739.4/49

All: 1930.508+/-0.184 χ^2/NDF: 12141343.5/9



Right In: 0.255+/-0.356 χ^2/NDF: 24.6/23

Left Out: -544.414+/-117.154 χ^2/NDF:60.9/24

Right Out: -0.096+/-0.328 χ^2/NDF: 23.8/29

Left In: 49.119+/-121.932 χ^2/NDF:28.0/22

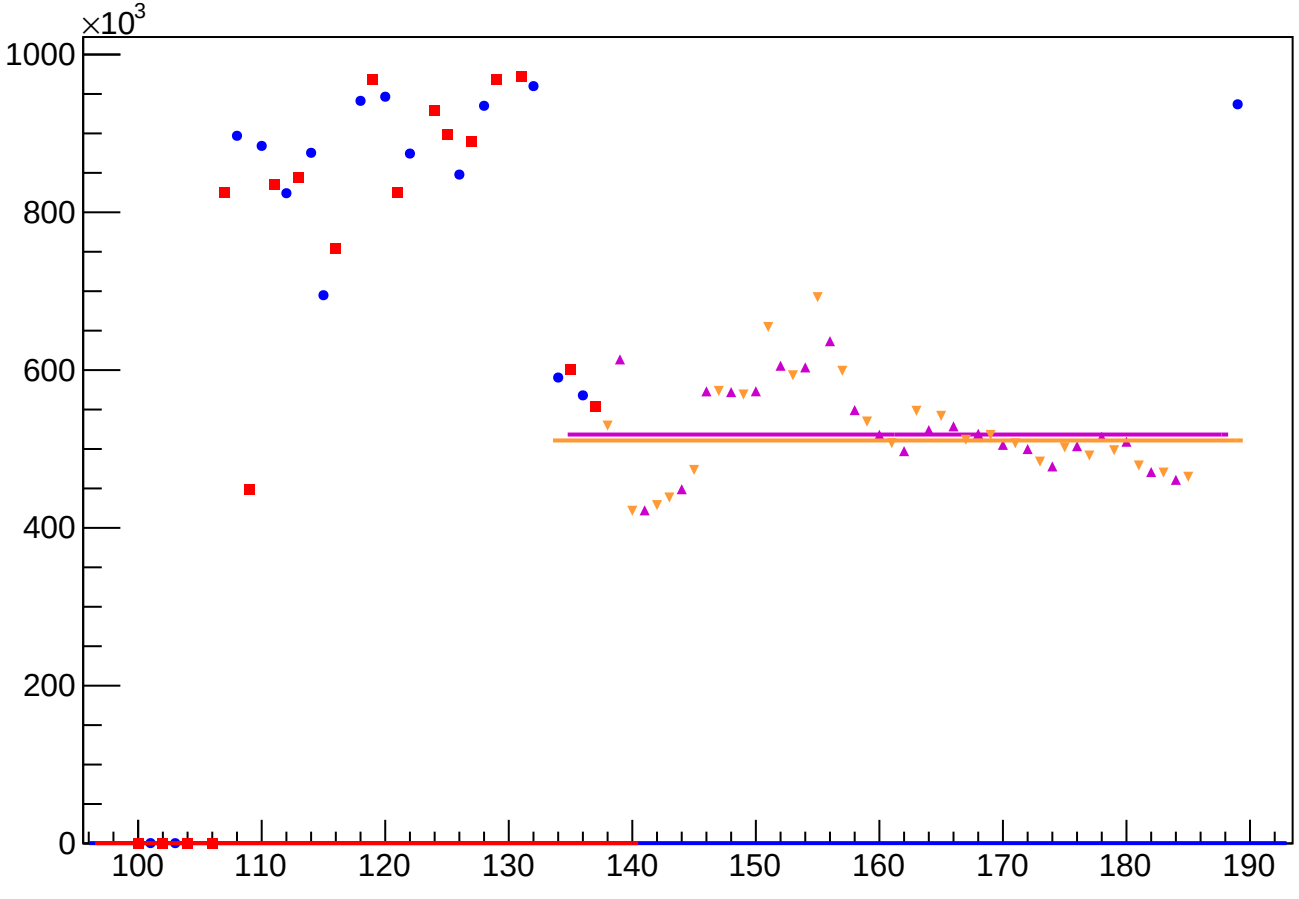
Left: -259.505+/-84.479 χ^2/NDF: 101.1/47

Right: 0.065+/-0.241 χ^2/NDF: 48.9/53

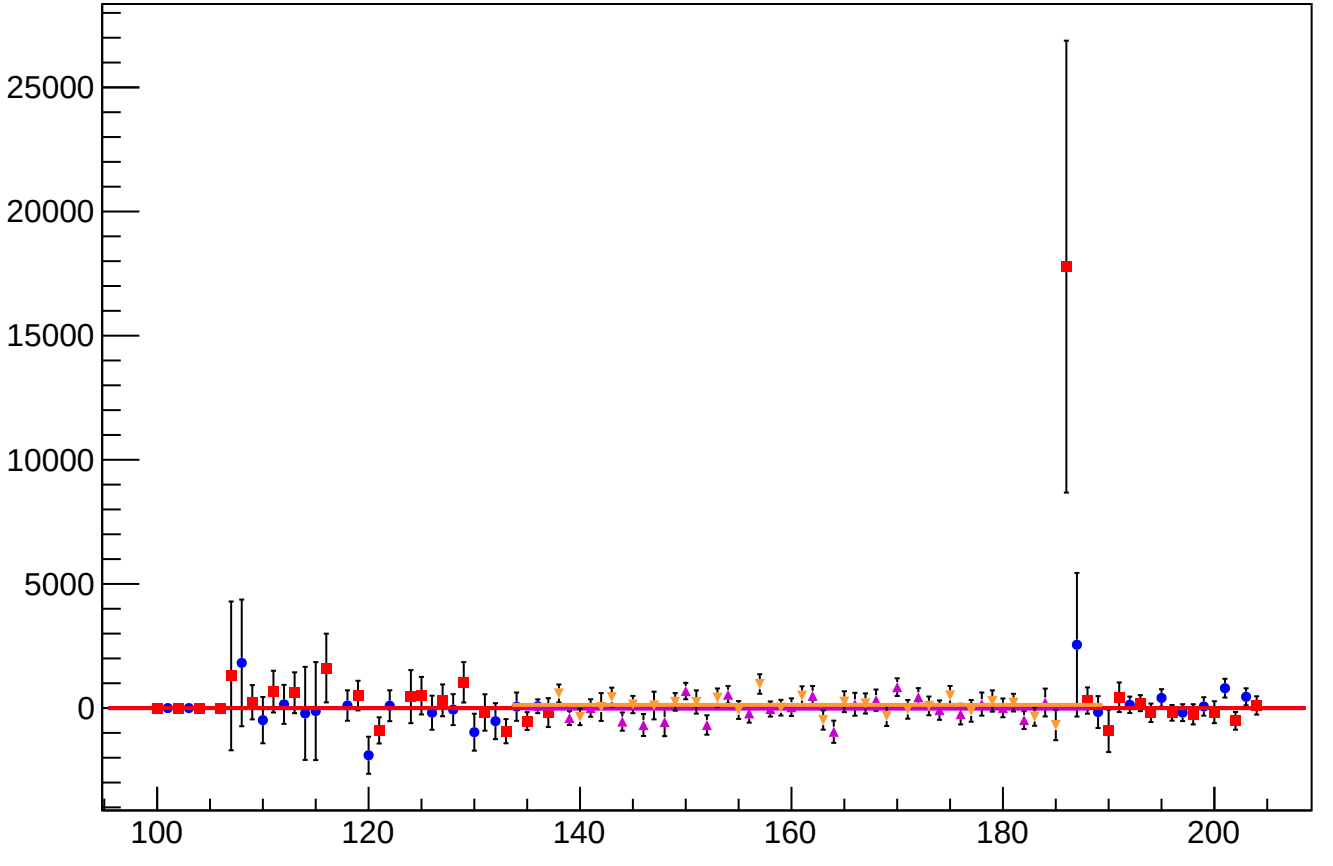
In: 0.256+/-0.356 χ^2/NDF:52.7/46

Out: -0.100+/-0.328 χ^2/NDF:106.2/54

All: 0.063+/-0.241 χ^2/NDF: 159.5/101


diff_cav4bX_rms vs Slug, Sign Corrected
×10^3
1000
800
600
400
200
0
100
110
120
130
140
150
160
170
180
190
Right In: 398.894+/-0.251 χ²/NDF: 8685185.3/15
Left Out: 510811.545+/-82.841 χ²/NDF:509606.7/24
Right Out: 393.240+/-0.232 χ²/NDF: 7648578.2/17
Left In: 518313.411+/-86.219 χ²/NDF:399884.6/22
Left: 514412.615+/-59.736 χ²/NDF: 913427.9/47
Right: 395.837+/-0.170 χ²/NDF: 16334036.8/33
In: 403.300+/-0.251 χ²/NDF:45168150.0/38
Out: 397.235+/-0.232 χ²/NDF:46121298.2/42
All: 400.021+/-0.170 χ²/NDF: 91289762.7/81

diff_cav4bY_mean vs Slug, Sign Corrected



Right In: -0.019+/-0.347 χ^2/NDF: 19.4/23

Left Out: 128.971+/-78.249 χ^2/NDF:20.1/24

Right Out: -0.599+/-0.324 χ^2/NDF: 24.5/29

Left In: -19.324+/-79.767 χ^2/NDF:33.7/22

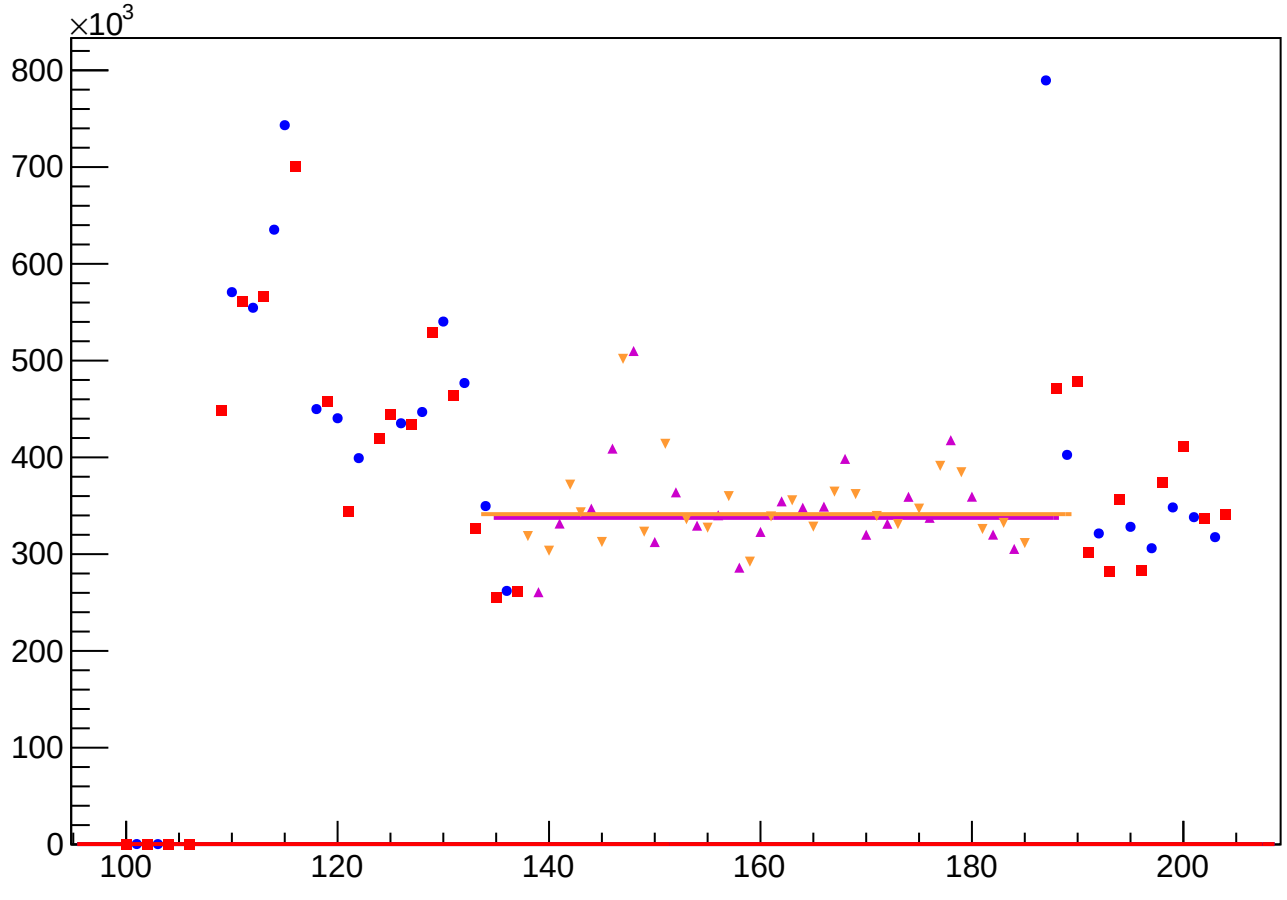
Left: 56.249+/-55.859 χ^2/NDF: 55.5/47

Right: -0.329+/-0.237 χ^2/NDF: 45.4/53

In: -0.019+/-0.347 χ^2/NDF:53.1/46

Out: -0.597+/-0.324 χ^2/NDF:47.4/54

All: -0.328+/-0.237 χ^2/NDF: 102.0/101



Right In: 392.301+/-0.245 χ^2/NDF: 22248193.9/22

Left Out: 341327.149+/-55.330 χ^2/NDF:403173.8/24

Right Out: 390.158+/-0.229 χ^2/NDF: 25591032.4/27

Left In: 337505.654+/-56.407 χ^2/NDF:600776.4/22

Left: 339453.220+/-39.500 χ^2/NDF: 1006289.4/47

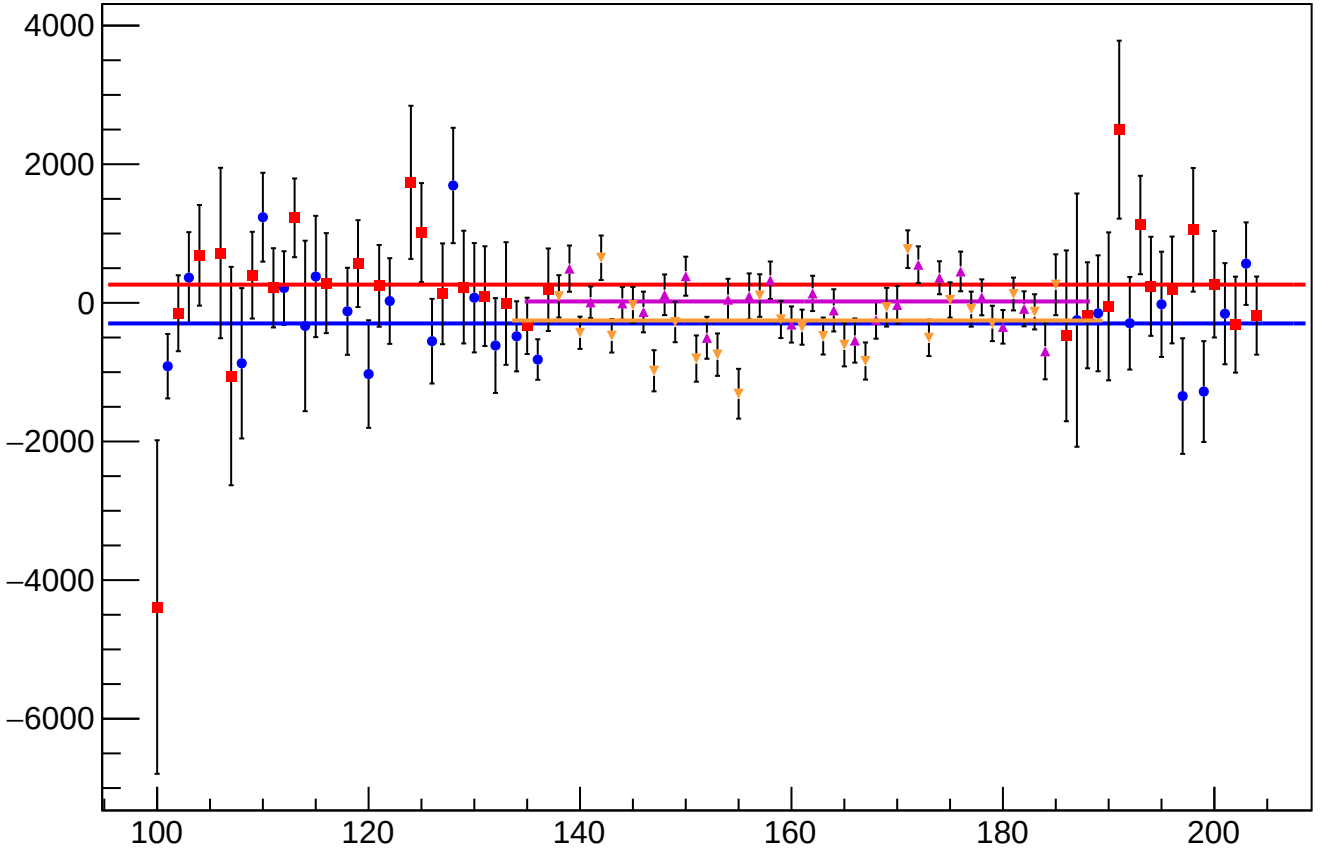
Right: 391.155+/-0.167 χ^2/NDF: 47839267.1/50

In: 398.684+/-0.245 χ^2/NDF:58566385.3/45

Out: 395.996+/-0.229 χ^2/NDF:63962066.1/52

All: 397.247+/-0.167 χ^2/NDF: 122528515.5/9

diff_cav4cX_mean vs Slug, Sign Corrected



Right In: -297.252+/-129.336 χ^2/NDF: 26.9/23

Left Out: -254.371+/-55.417 χ^2/NDF:61.3/24

Right Out: 262.951+/-130.797 χ^2/NDF: 21.3/29

Left In: 20.176+/-57.484 χ^2/NDF:28.6/22

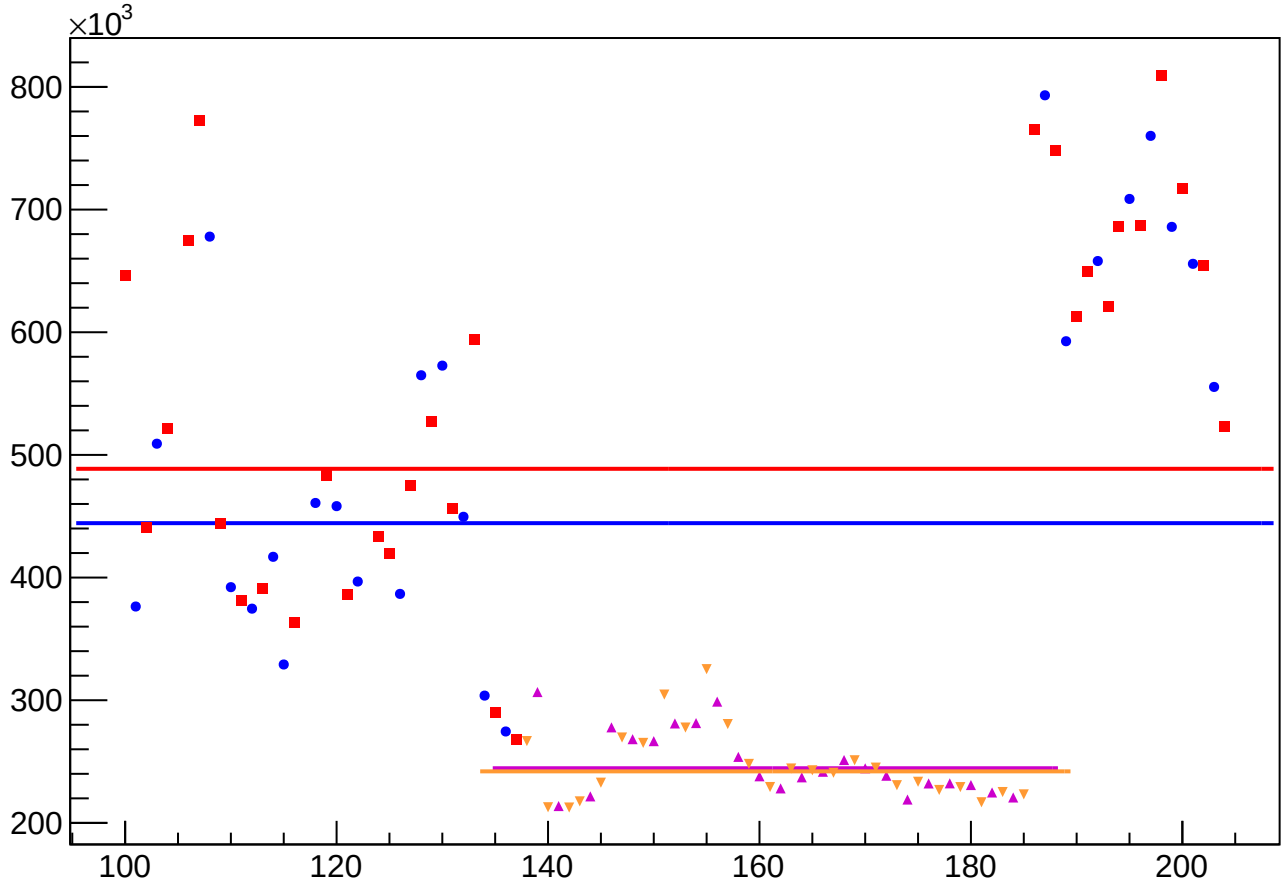
Left: -122.121+/-39.897 χ^2/NDF: 101.7/47

Right: -20.296+/-91.966 χ^2/NDF: 57.4/53

In: -32.186+/-52.529 χ^2/NDF:60.5/46

Out: -175.638+/-51.026 χ^2/NDF:95.8/54

All: -105.993+/-36.601 χ^2/NDF: 160.2/101



Right In: 444358.055+/-91.474 χ^2/NDF: 2520654.6/23

Left Out: 242008.749+/-39.186 χ^2/NDF:413236.1/24

Right Out: 488673.582+/-92.602 χ^2/NDF: 2494523.2/29

Left In: 244542.686+/-40.647 χ^2/NDF:361527.4/22

Left: 243229.356+/-28.211 χ^2/NDF: 776777.7/47

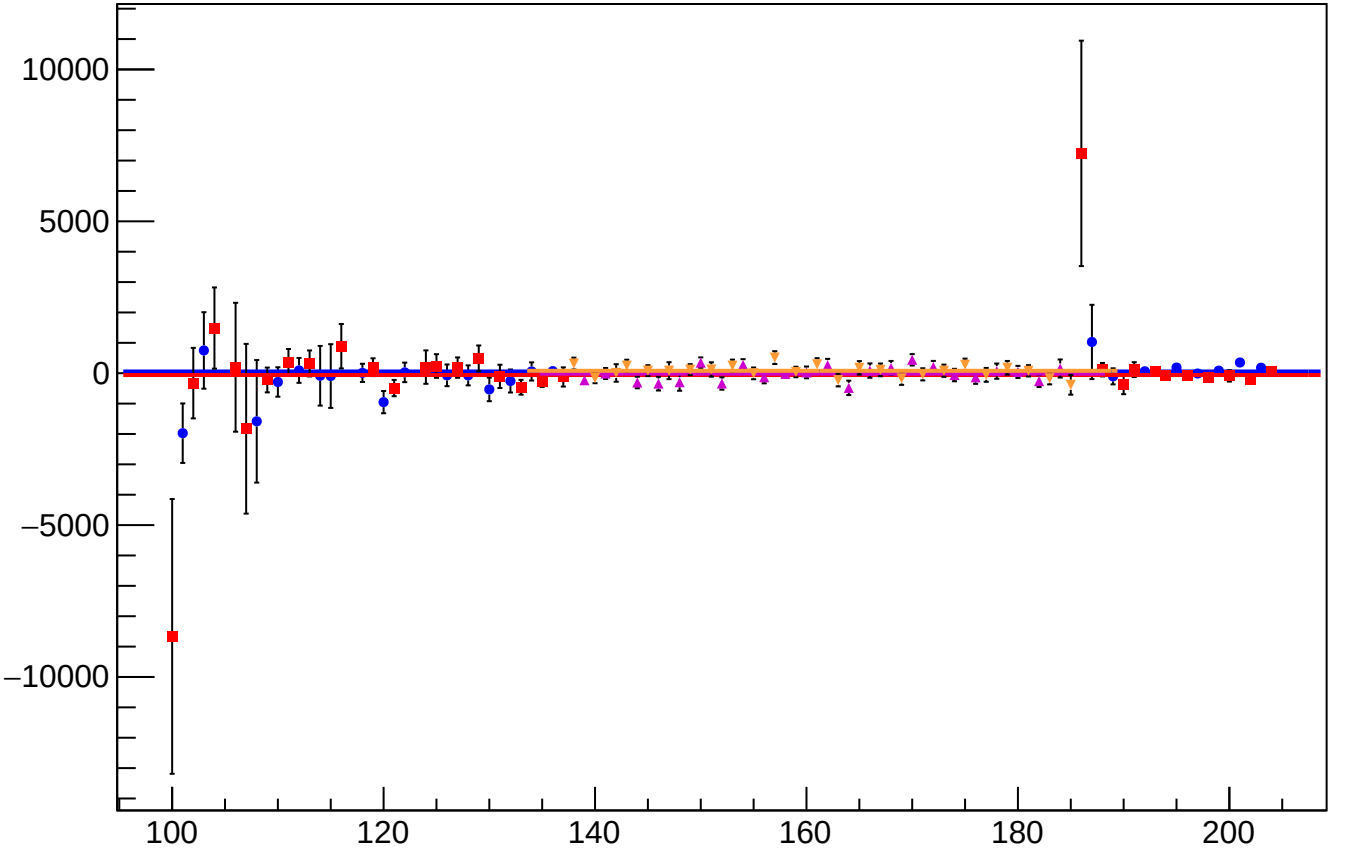
Right: 466244.134+/-65.077 χ^2/NDF: 5131090.1/53

In: 277491.283+/-37.145 χ^2/NDF:6866961.3/46

Out: 279470.382+/-36.088 χ^2/NDF:8925457.8/54

All: 278509.395+/-25.884 χ^2/NDF: 1579387

diff_cav4cY_mean vs Slug, Sign Corrected



Right In: 57.039+/-48.208 χ^2/NDF: 22.9/23

Left Out: 79.495+/-41.301 χ^2/NDF:19.7/24

Right Out: -59.390+/-45.152 χ^2/NDF: 27.4/29

Left In: -14.032+/-42.233 χ^2/NDF:33.2/22

Left: 33.776+/-29.528 χ^2/NDF: 55.4/47

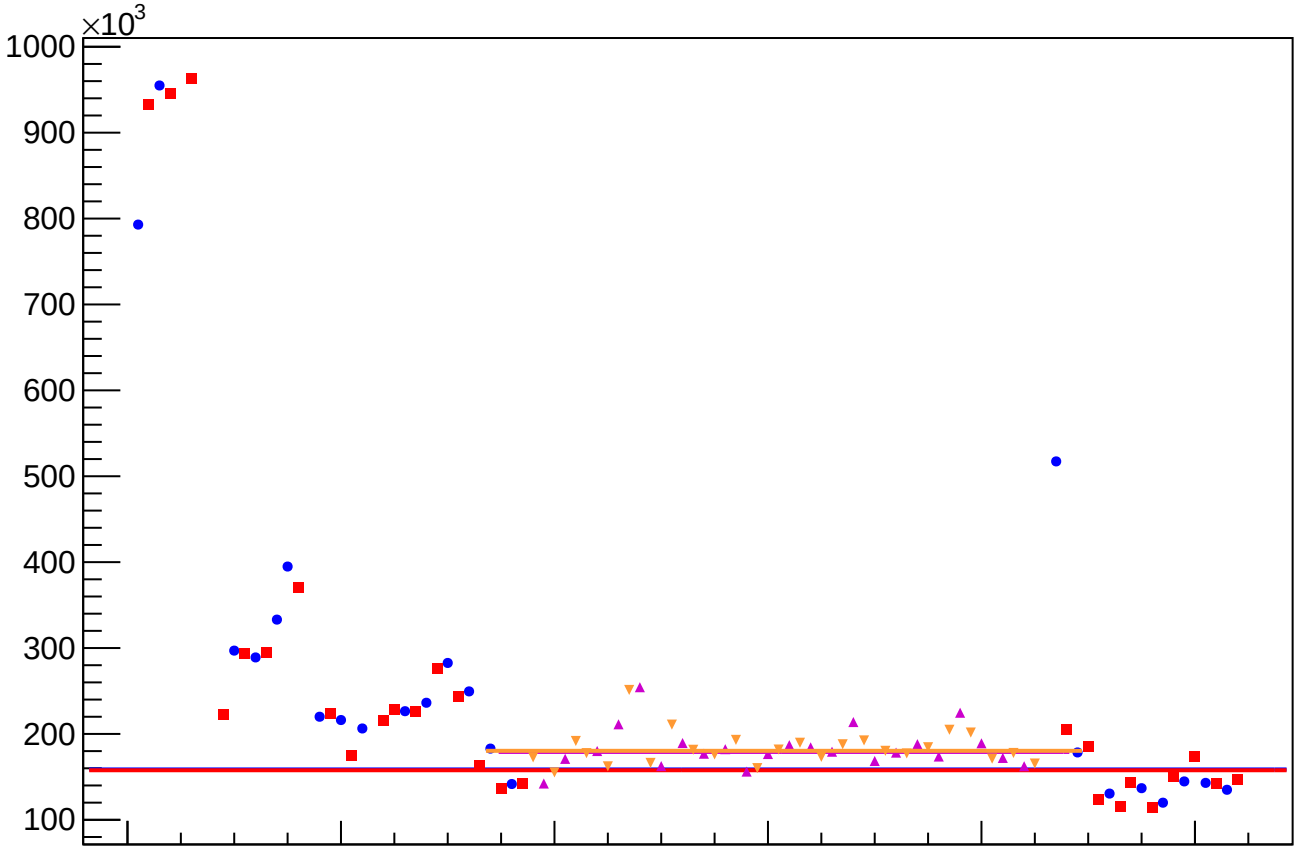
Right: -4.983+/-32.955 χ^2/NDF: 53.4/53

In: 16.829+/-31.767 χ^2/NDF:57.3/46

Out: 16.227+/-30.475 χ^2/NDF:52.3/54

All: 16.516+/-21.992 χ^2/NDF: 109.6/101

diff_cav4cY_rms vs Slug, Sign Corrected



Right In: 158663.056+/-34.106 χ^2/NDF: 3204953.1/22

Left Out: 180342.867+/-29.204 χ^2/NDF:346596.9/24

Right Out: 157719.789+/-31.951 χ^2/NDF: 3271521.5/26

Left In: 179024.195+/-29.863 χ^2/NDF:501400.7/22

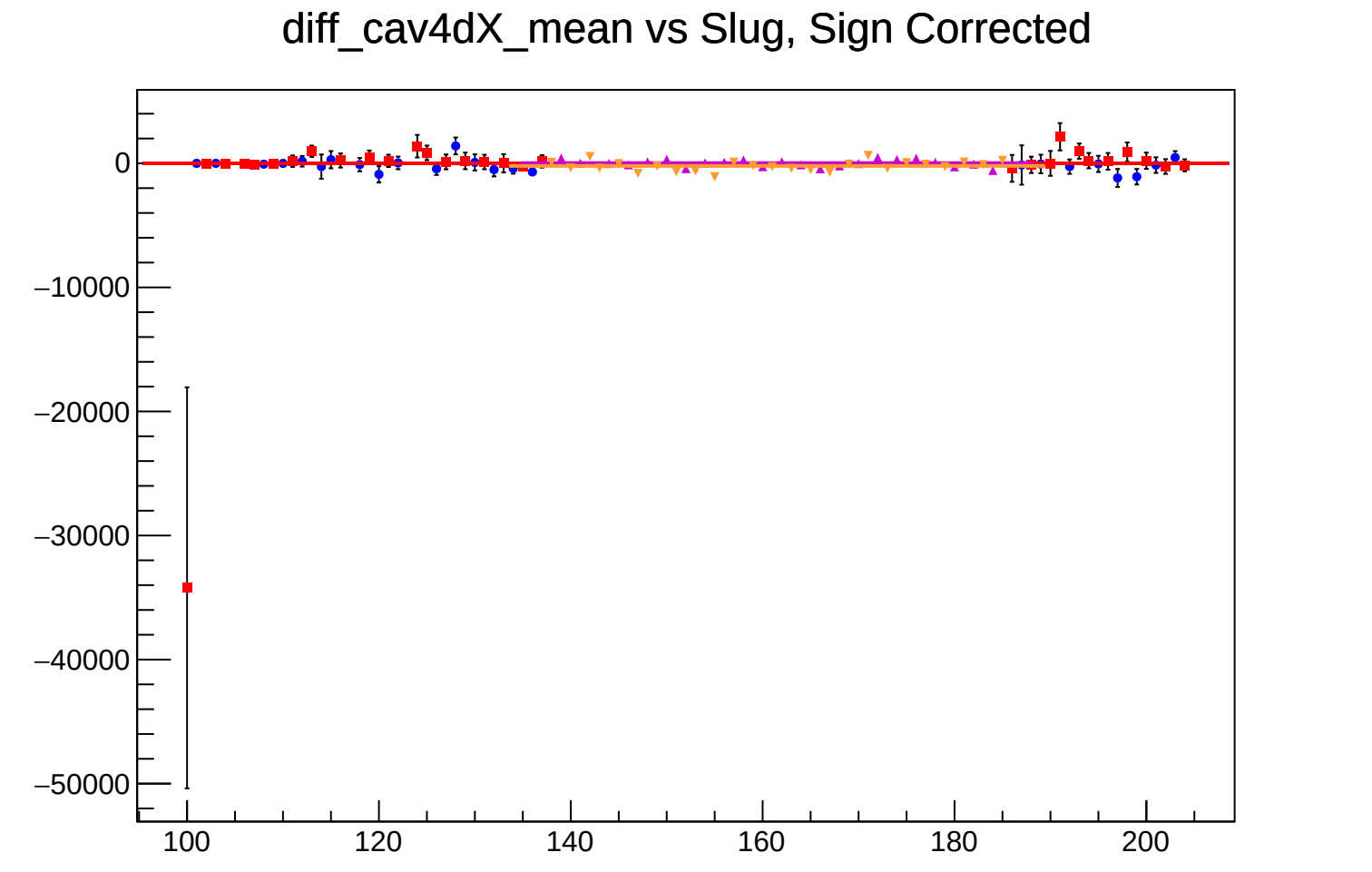
Left: 179698.251+/-20.880 χ^2/NDF: 848994.3/47

Right: 158160.678+/-23.317 χ^2/NDF: 6476882.0/49

In: 170188.077+/-22.468 χ^2/NDF:3908090.5/45

Out: 170045.338+/-21.556 χ^2/NDF:3891268.1/51

All: 170113.753+/-15.555 χ^2/NDF: 7799379.



Right In: -0.035+/-0.172 χ^2/NDF: 24.8/23

Left Out: -210.198+/-46.290 χ^2/NDF:61.2/24

Right Out: 0.355+/-0.160 χ^2/NDF: 24.9/29

Left In: 21.095+/-48.037 χ^2/NDF:28.6/22

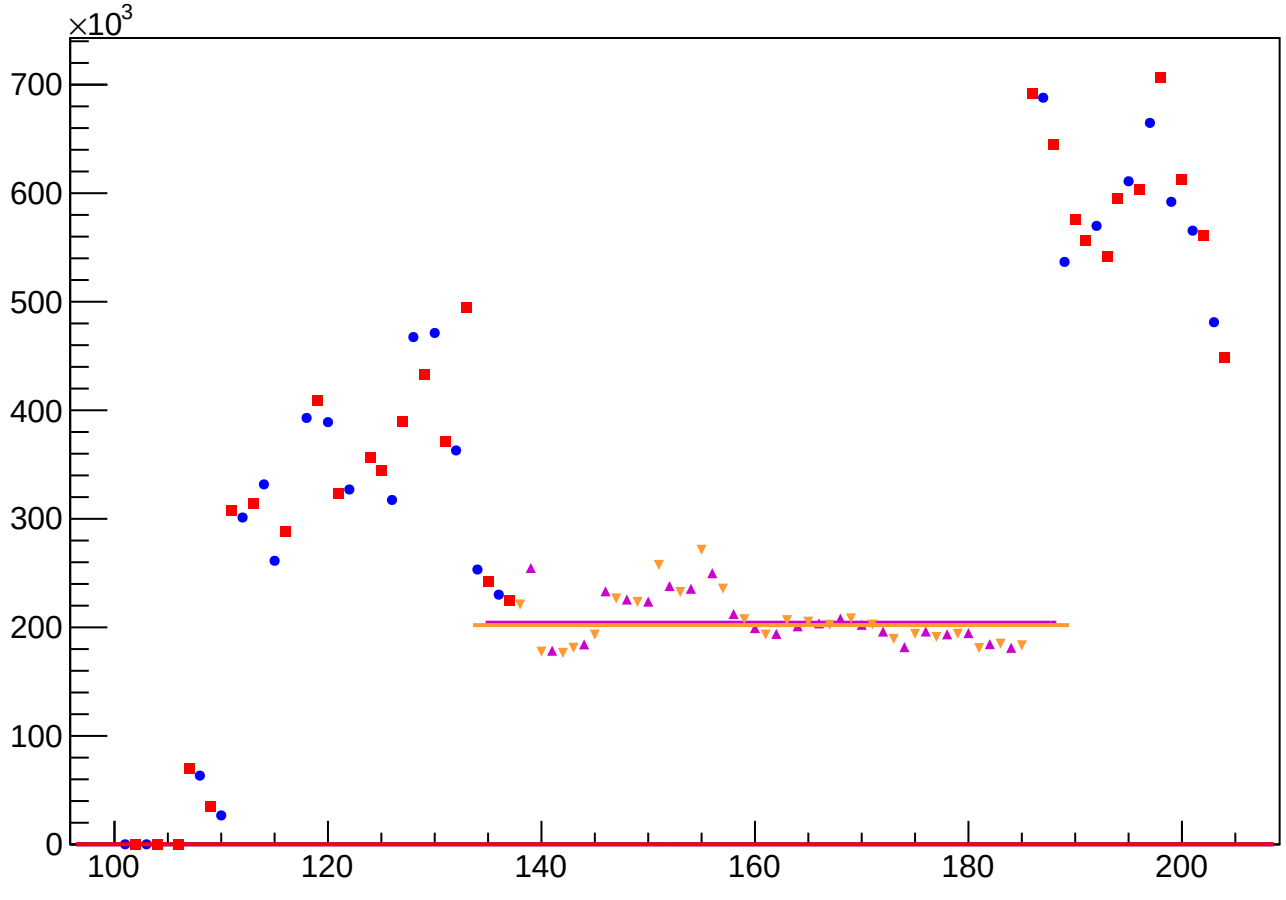
Left: -98.836+/-33.332 χ^2/NDF: 101.8/47

Right: 0.174+/-0.117 χ^2/NDF: 52.5/53

In: -0.035+/-0.172 χ^2/NDF:53.6/46

Out: 0.353+/-0.160 χ^2/NDF:106.8/54

All: 0.173+/-0.117 χ^2/NDF: 163.1/101



Right In: 149.399+/-0.122 χ^2/NDF: 23182156.8/23

Left Out: 202085.802+/-32.732 χ^2/NDF:434069.3/24

Right Out: 149.725+/-0.113 χ^2/NDF: 27102859.2/28

Left In: 204310.238+/-33.967 χ^2/NDF:377332.3/22

Left: 203156.818+/-23.570 χ^2/NDF: 813625.2/47

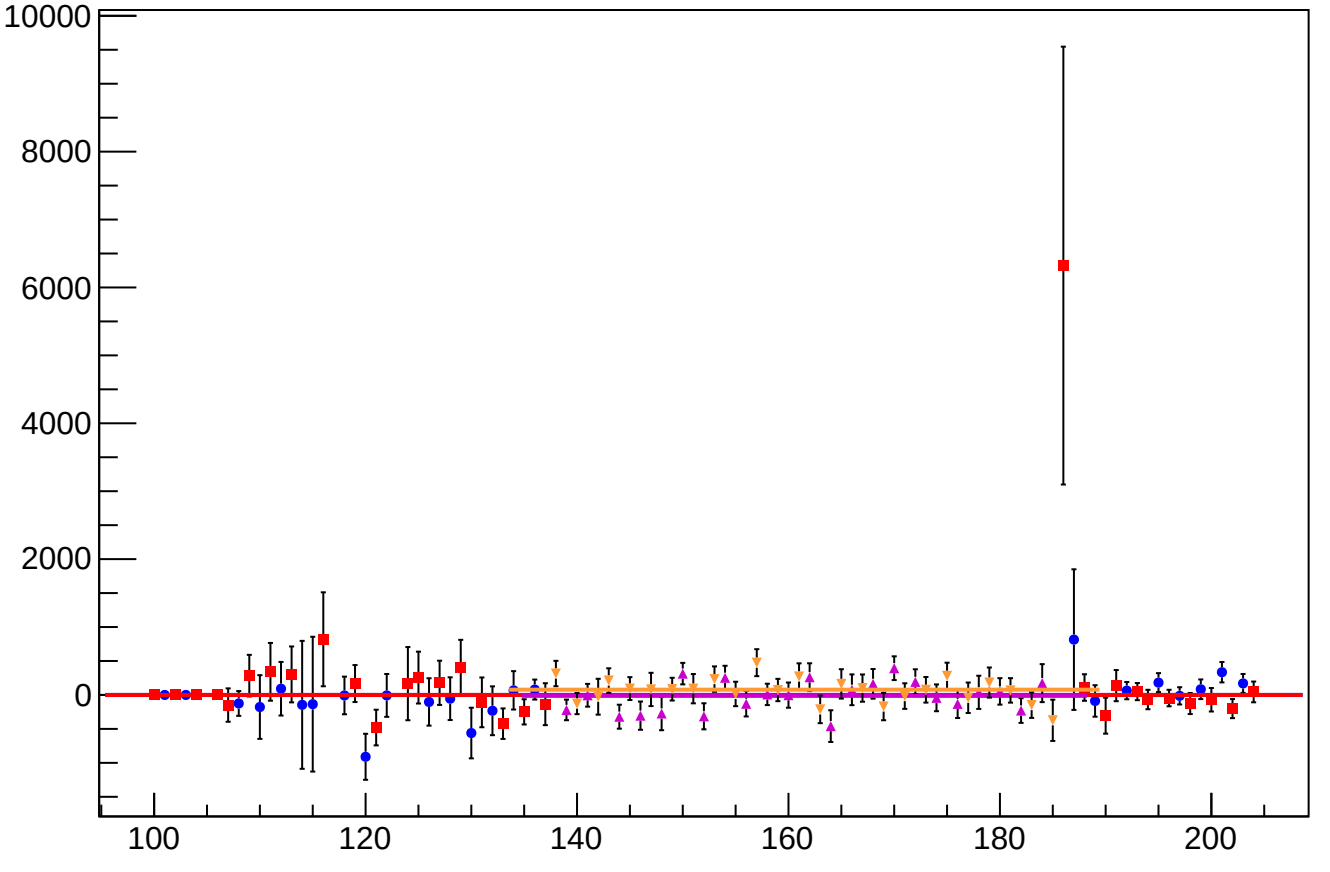
Right: 149.574+/-0.083 χ^2/NDF: 50285019.9/52

In: 152.024+/-0.122 χ^2/NDF:59684868.0/46

Out: 152.142+/-0.113 χ^2/NDF:65598565.7/53

All: 152.088+/-0.083 χ^2/NDF: 125283434.2/

diff_cav4dY_mean vs Slug, Sign Corrected



Right In: -0.067+/-0.177 χ^2/NDF: 20.7/23

Left Out: 77.572+/-38.921 χ^2/NDF:19.1/24

Right Out: -0.126+/-0.166 χ^2/NDF: 24.5/29

Left In: -13.457+/-39.929 χ^2/NDF:32.7/22

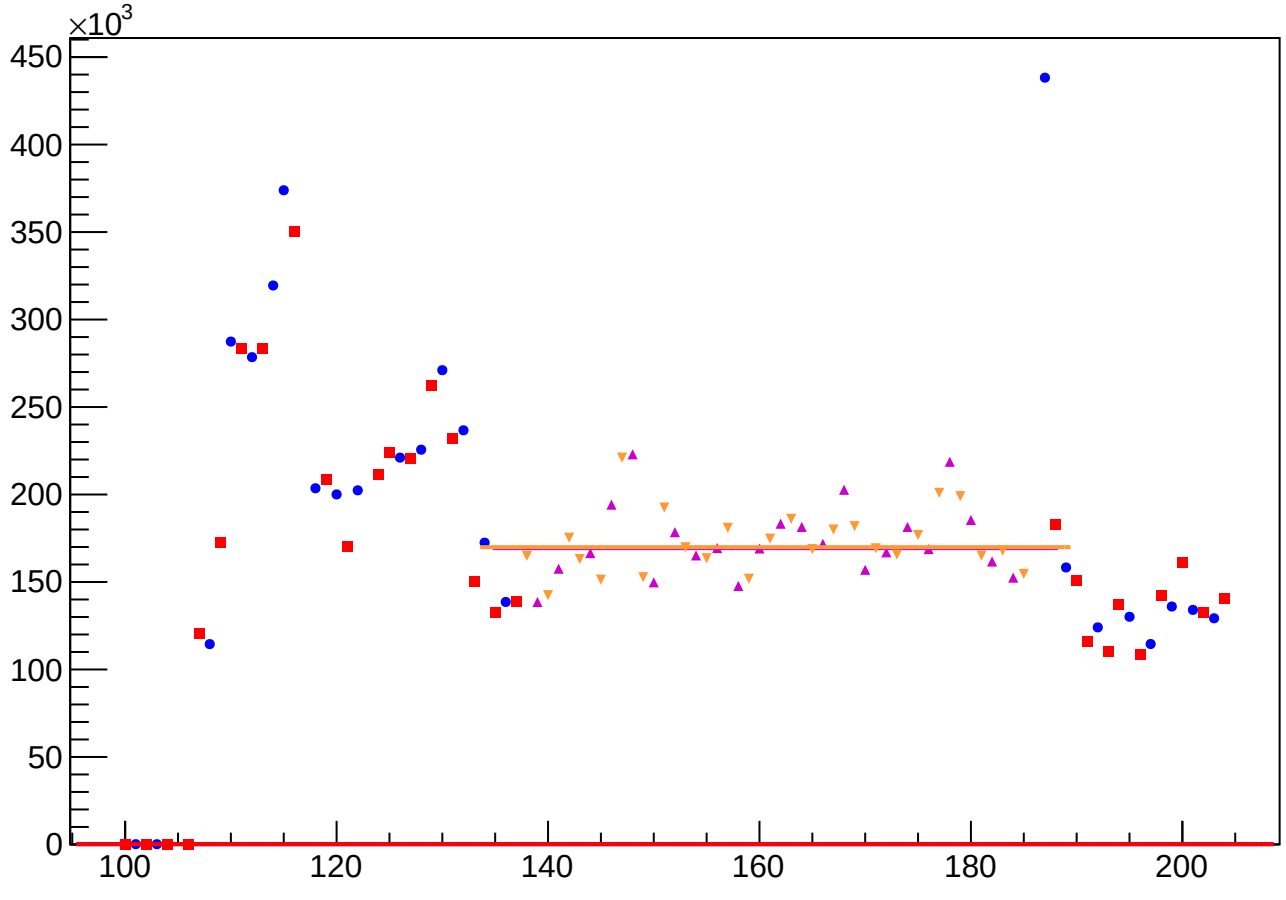
Left: 33.221+/-27.871 χ^2/NDF: 54.4/47

Right: -0.099+/-0.121 χ^2/NDF: 45.3/53

In: -0.067+/-0.177 χ^2/NDF:53.5/46

Out: -0.125+/-0.166 χ^2/NDF:47.6/54

All: -0.098+/-0.121 χ^2/NDF: 101.2/101



Right In: 154.837+/-0.125 χ^2/NDF: 23517174.5/23

Left Out: 169916.225+/-27.521 χ^2/NDF:363966.0/24

Right Out: 157.658+/-0.118 χ^2/NDF: 26072031.7/28

Left In: 169352.083+/-28.234 χ^2/NDF:474852.1/22

Left: 169641.366+/-19.708 χ^2/NDF: 839022.8/47

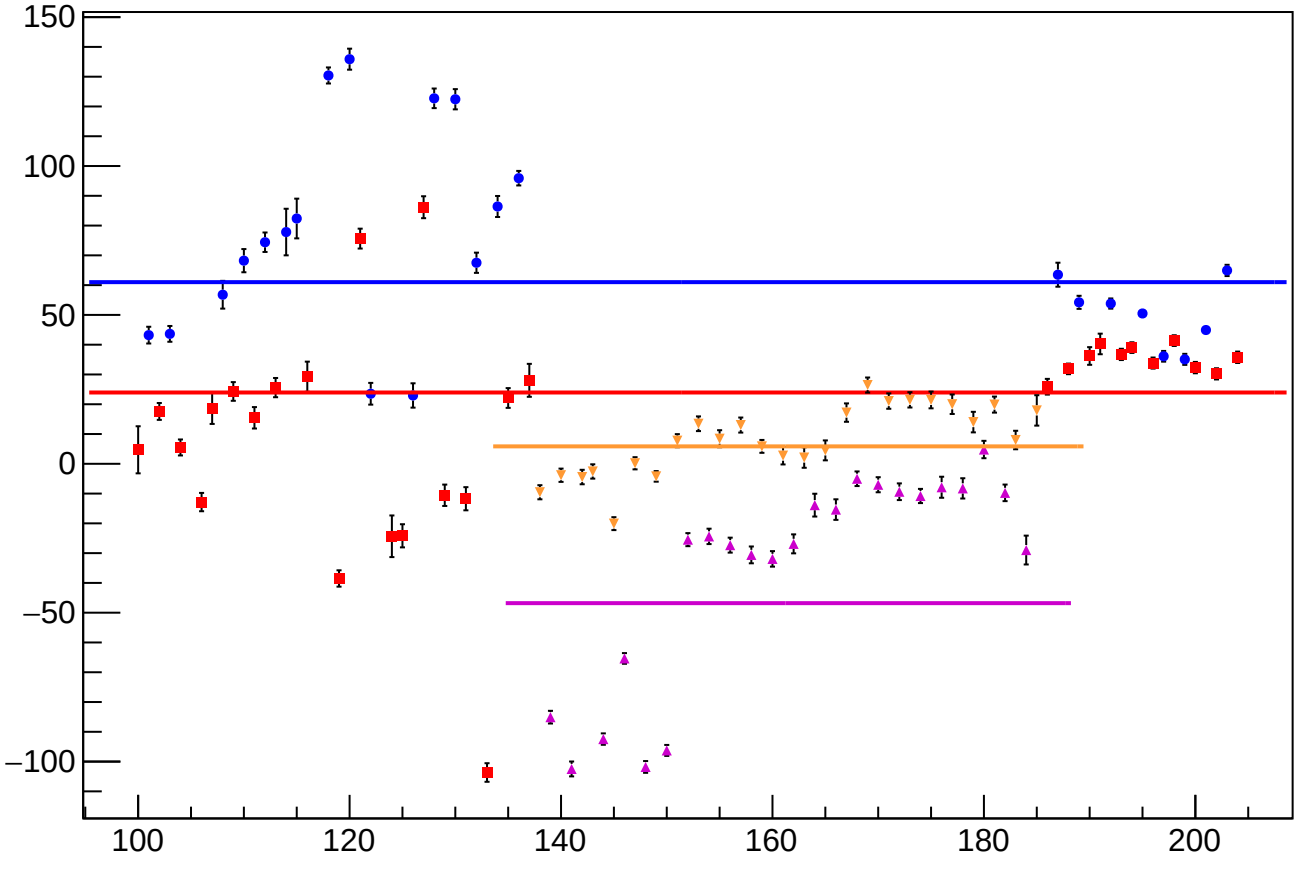
Right: 156.336+/-0.086 χ^2/NDF: 49589475.3/52

In: 158.171+/-0.125 χ^2/NDF:59902665.8/46

Out: 160.764+/-0.118 χ^2/NDF:64482371.7/53

All: 159.548+/-0.086 χ^2/NDF: 124385265.0/1

diff_bpm0i01X_mean vs Slug, Sign Corrected



Right In: 61.004+/-0.527 χ^2/NDF: 2915.3/23

Left Out: 5.852+/-0.514 χ^2/NDF:535.3/24

Right Out: 23.945+/-0.490 χ^2/NDF: 3667.7/29

Left In: -46.796+/-0.524 χ^2/NDF:5175.4/22

Left: -19.940+/-0.367 χ^2/NDF: 10850.6/47

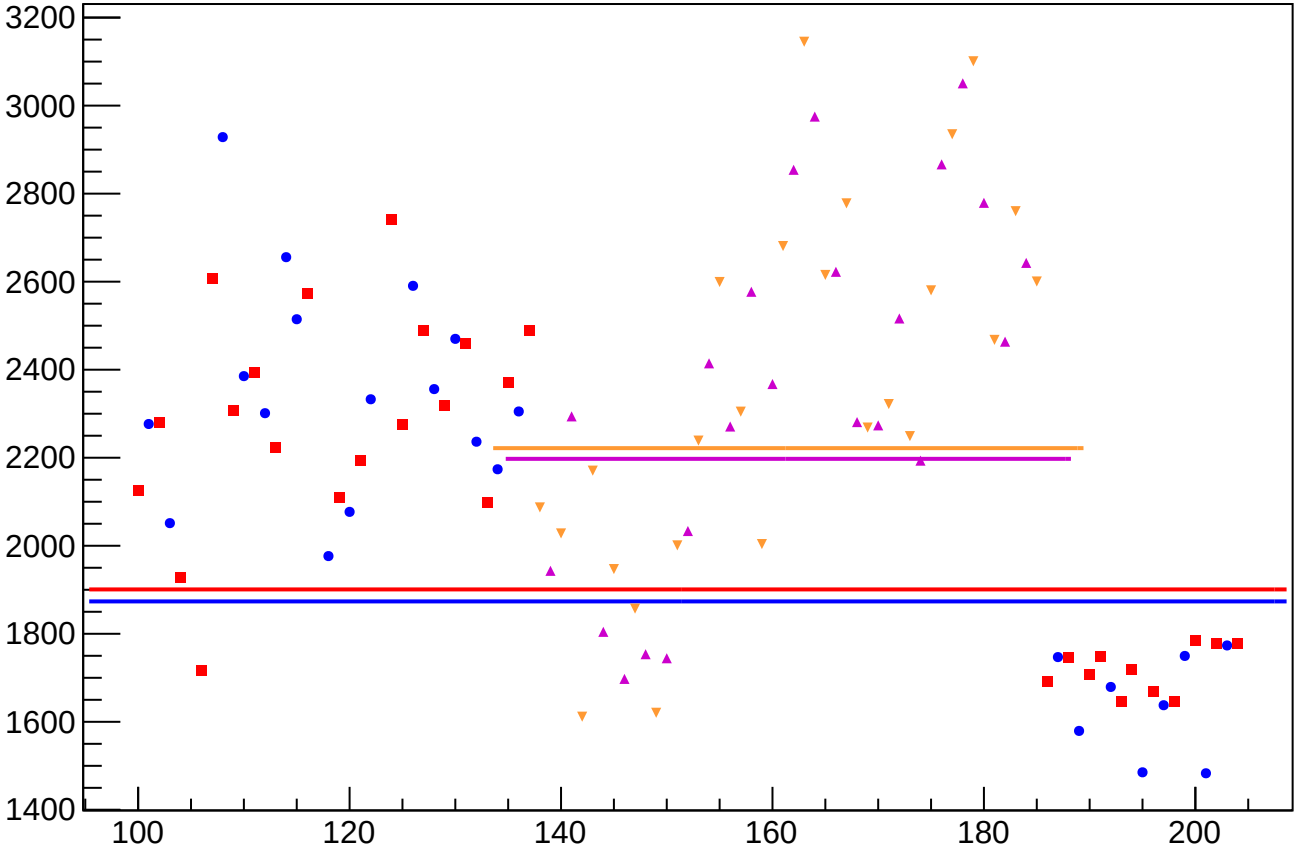
Right: 41.133+/-0.359 χ^2/NDF: 9236.2/53

In: 6.864+/-0.372 χ^2/NDF:29118.9/46

Out: 15.331+/-0.355 χ^2/NDF:4852.2/54

All: 11.296+/-0.257 χ^2/NDF: 34242.8/101

diff_bpm0i01X_rms vs Slug, Sign Corrected



Right In: 1873.558+/-0.373 χ^2/NDF: 901721.1/23

Left Out: 2221.771+/-0.363 χ^2/NDF:1184043.2/24

Right Out: 1900.801+/-0.346 χ^2/NDF: 662912.0/29

Left In: 2197.471+/-0.371 χ^2/NDF:1104663.4/22

Left: 2209.867+/-0.260 χ^2/NDF: 2290896.6/47

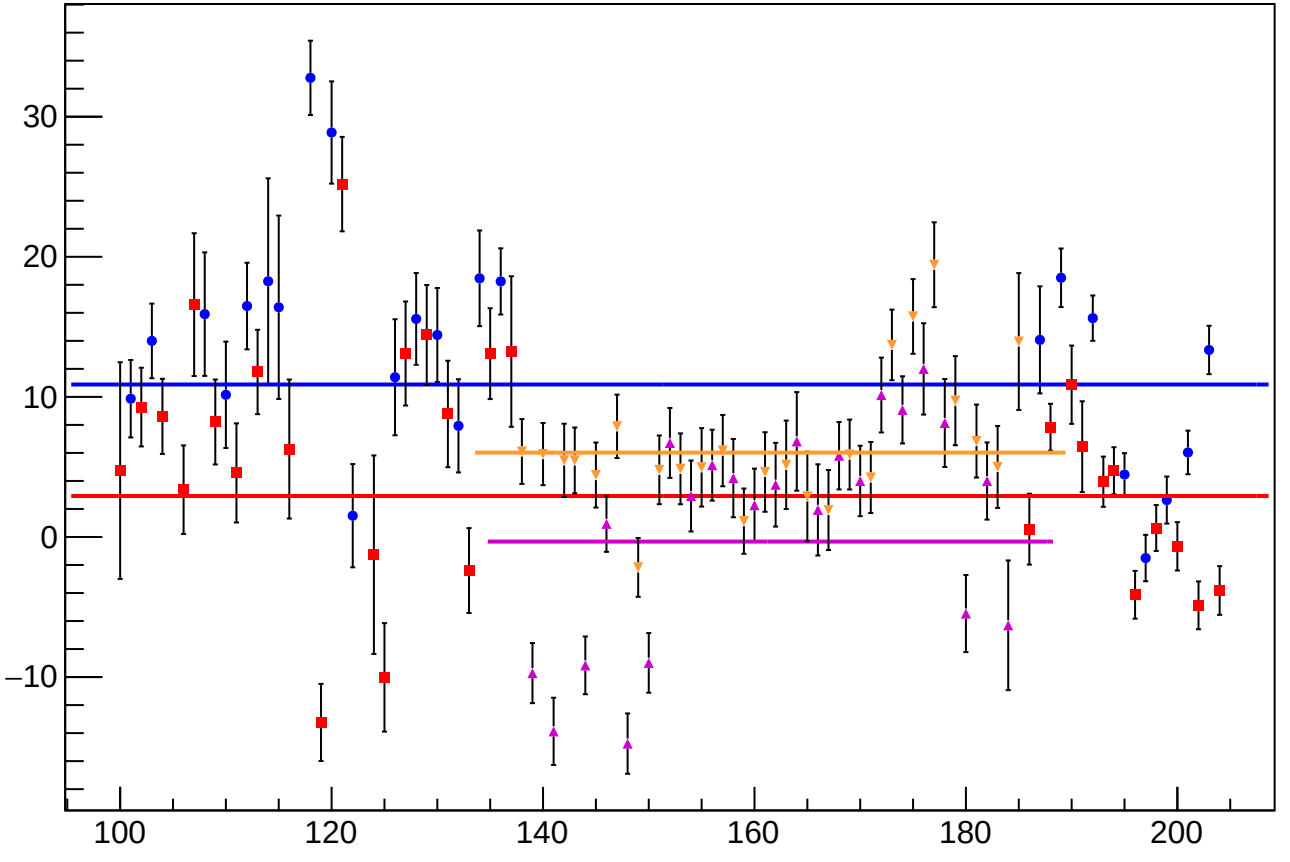
Right: 1888.166+/-0.254 χ^2/NDF: 1567500.8/53

In: 2036.236+/-0.263 χ^2/NDF:2386097.5/46

Out: 2053.613+/-0.251 χ^2/NDF:2255570.3/54

All: 2045.332+/-0.181 χ^2/NDF: 4643956.1/10

diff_bpm0i01Y_mean vs Slug, Sign Corrected



Right In: 10.884+/-0.500 χ^2/NDF: 257.4/23

Left Out: 6.022+/-0.521 χ^2/NDF:71.8/24

Right Out: 2.926+/-0.463 χ^2/NDF: 235.3/29

Left In: -0.329+/-0.535 χ^2/NDF:224.9/22

Left: 2.929+/-0.373 χ^2/NDF: 369.1/47

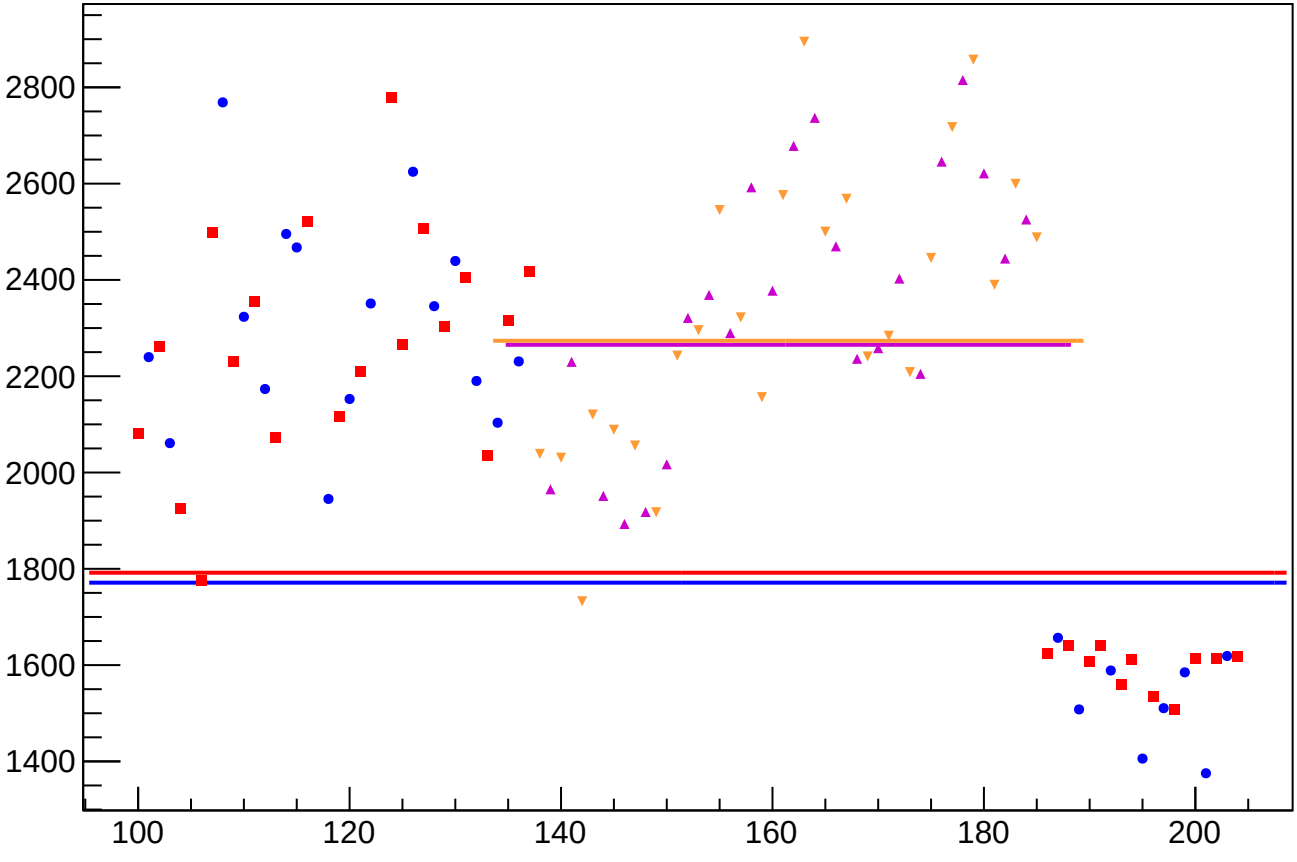
Right: 6.605+/-0.340 χ^2/NDF: 629.0/53

In: 5.654+/-0.365 χ^2/NDF:717.0/46

Out: 4.294+/-0.346 χ^2/NDF:326.8/54

All: 4.938+/-0.251 χ^2/NDF: 1051.1/101

diff_bpm0i01Y_rms vs Slug, Sign Corrected



Right In: 1771.216+/-0.353 χ^2/NDF: 1126784.9/23

Left Out: 2273.612+/-0.368 χ^2/NDF:536838.6/24

Right Out: 1791.887+/-0.328 χ^2/NDF: 905182.3/29

Left In: 2265.257+/-0.378 χ^2/NDF:495816.5/22

Left: 2269.543+/-0.264 χ^2/NDF: 1032905.7/47

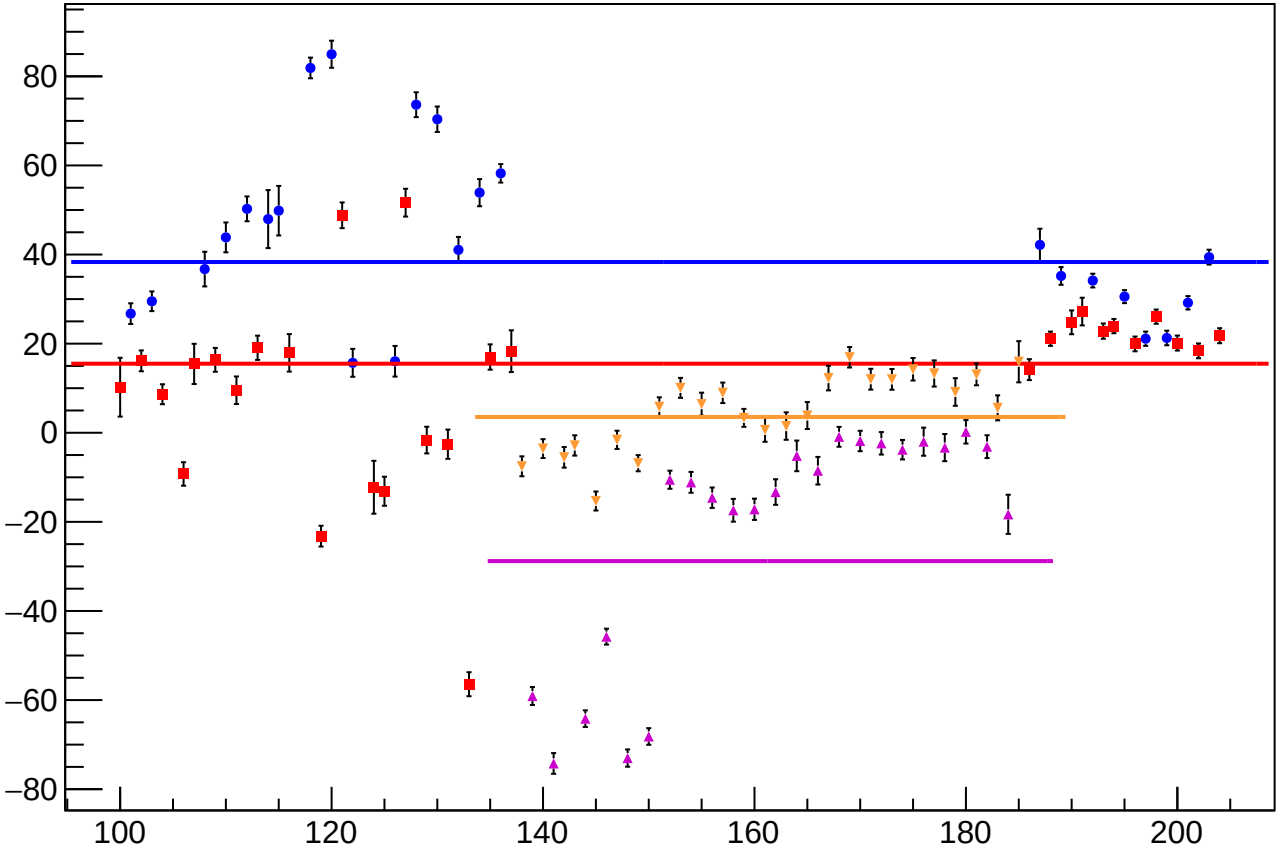
Right: 1782.329+/-0.240 χ^2/NDF: 2033806.7/53

In: 2001.640+/-0.258 χ^2/NDF:2534082.3/46

Out: 2004.788+/-0.245 χ^2/NDF:2396828.3/54

All: 2003.297+/-0.178 χ^2/NDF: 4930988.9/10

diff_bpm0i01aX_mean vs Slug, Sign Corrected



Right In: 38.322+/-0.461 χ^2/NDF: 1454.7/23

Left Out: 3.544+/-0.480 χ^2/NDF:319.8/24

Right Out: 15.503+/-0.429 χ^2/NDF: 1681.4/29

Left In: -28.804+/-0.491 χ^2/NDF:3262.5/22

Left: -12.278+/-0.343 χ^2/NDF: 5801.2/47

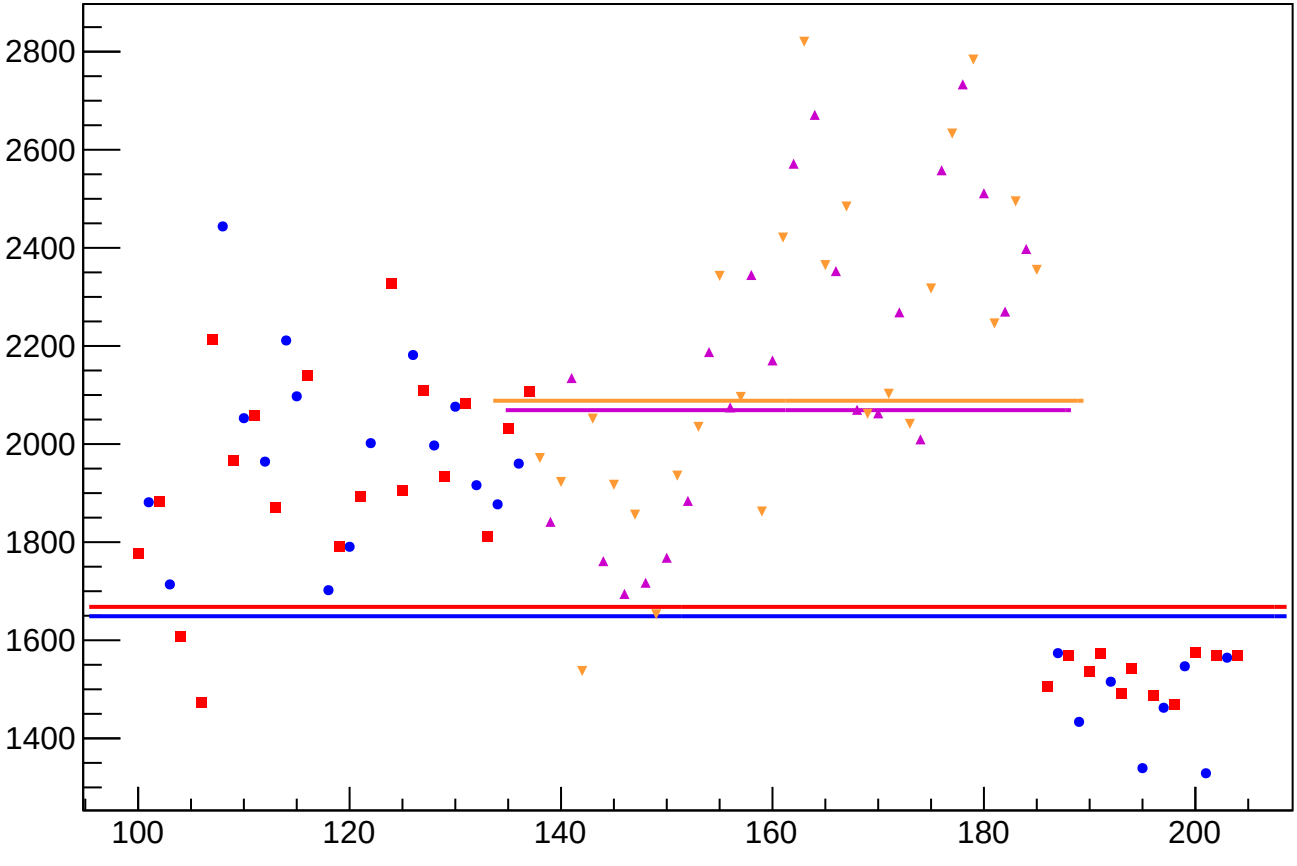
Right: 26.074+/-0.314 χ^2/NDF: 4449.5/53

In: 6.841+/-0.336 χ^2/NDF:14647.9/46

Out: 10.202+/-0.320 χ^2/NDF:2346.4/54

All: 8.605+/-0.232 χ^2/NDF: 17046.7/101

diff_bpm0i01aX_rms vs Slug, Sign Corrected



Right In: 1648.997+/-0.326 χ^2/NDF: 675305.0/23

Left Out: 2088.353+/-0.340 χ^2/NDF:787429.8/24

Right Out: 1668.062+/-0.303 χ^2/NDF: 481742.7/29

Left In: 2069.116+/-0.347 χ^2/NDF:711501.5/22

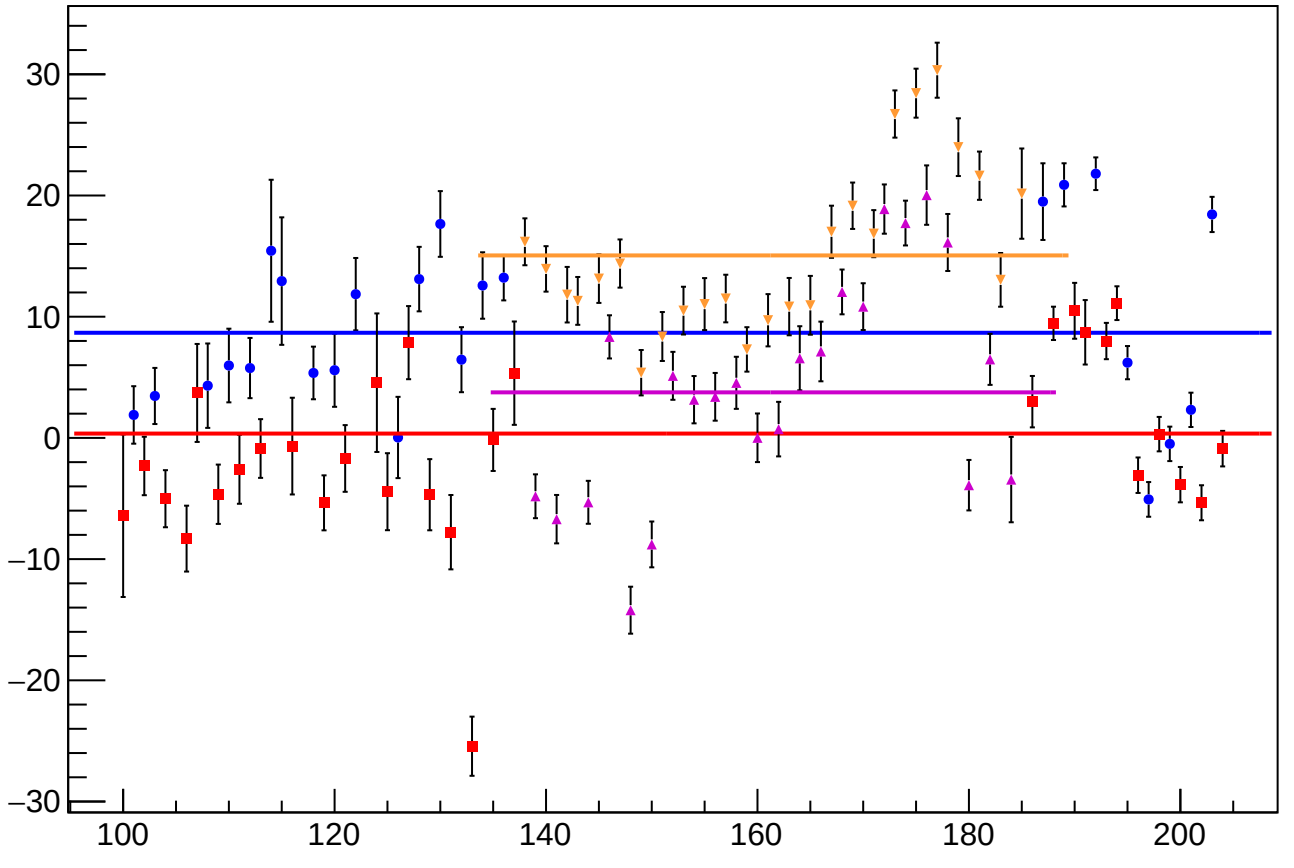
Left: 2078.944+/-0.243 χ^2/NDF: 1500500.6/47

Right: 1659.230+/-0.222 χ^2/NDF: 1158881.2/53

In: 1846.028+/-0.238 χ^2/NDF:2164784.4/46

Out: 1854.373+/-0.226 χ^2/NDF:2121838.9/54

All: 1850.409+/-0.164 χ^2/NDF: 4287270.5/10



Right In: 8.675+/-0.423 χ^2/NDF: 408.4/23

Left Out: 15.056+/-0.416 χ^2/NDF:246.2/24

Right Out: 0.358+/-0.387 χ^2/NDF: 353.2/29

Left In: 3.758+/-0.428 χ^2/NDF:459.1/22

Left: 9.570+/-0.298 χ^2/NDF: 1064.0/47

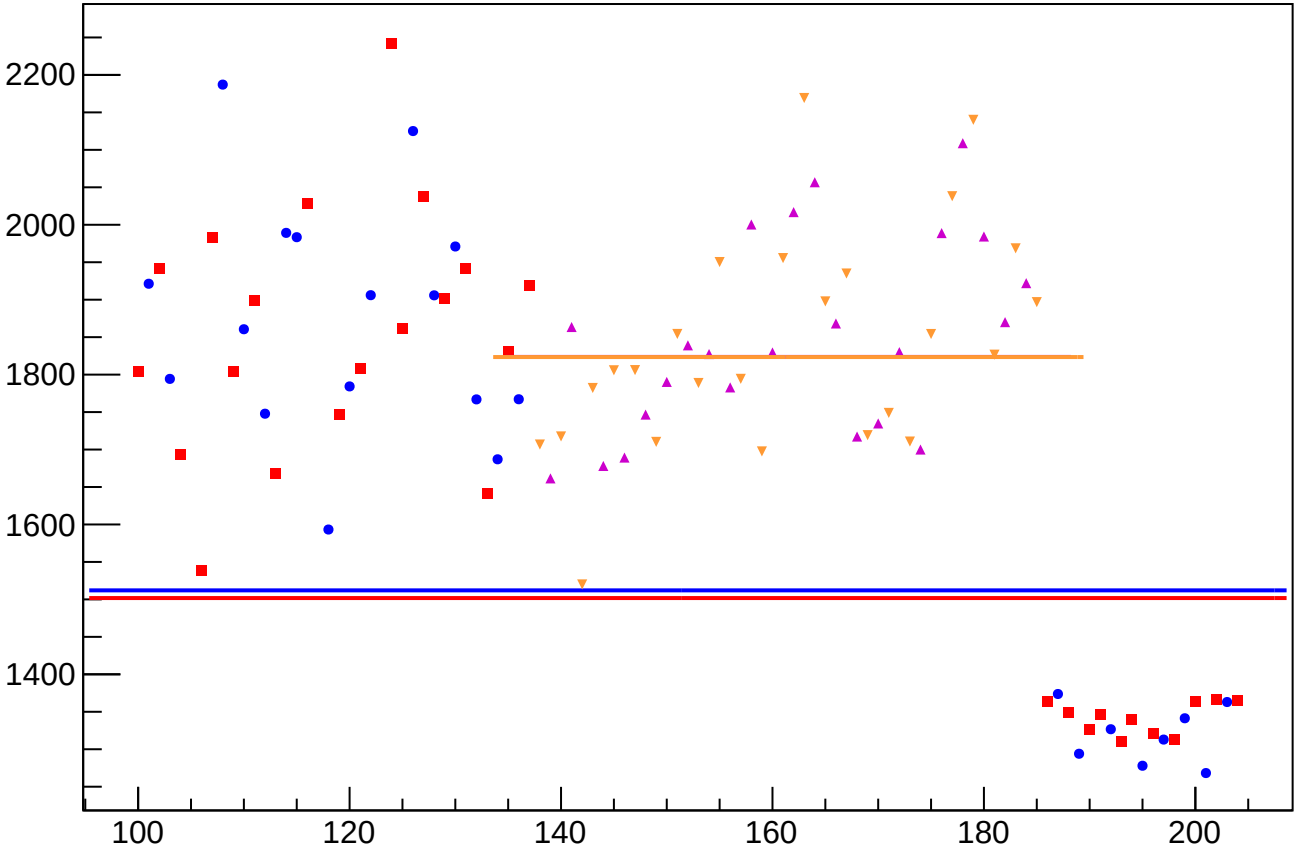
Right: 4.150+/-0.285 χ^2/NDF: 972.1/53

In: 6.246+/-0.301 χ^2/NDF:934.3/46

Out: 7.182+/-0.283 χ^2/NDF:1269.2/54

All: 6.742+/-0.206 χ^2/NDF: 2208.6/101

diff_bpm0i01aY_rms vs Slug, Sign Corrected



Right In: 1512.058+/-0.299 χ^2/NDF: 801276.6/23

Left Out: 1823.452+/-0.294 χ^2/NDF:211274.0/24

Right Out: 1501.783+/-0.274 χ^2/NDF: 763253.3/29

Left In: 1823.627+/-0.303 χ^2/NDF:163768.2/22

Left: 1823.537+/-0.211 χ^2/NDF: 375042.4/47

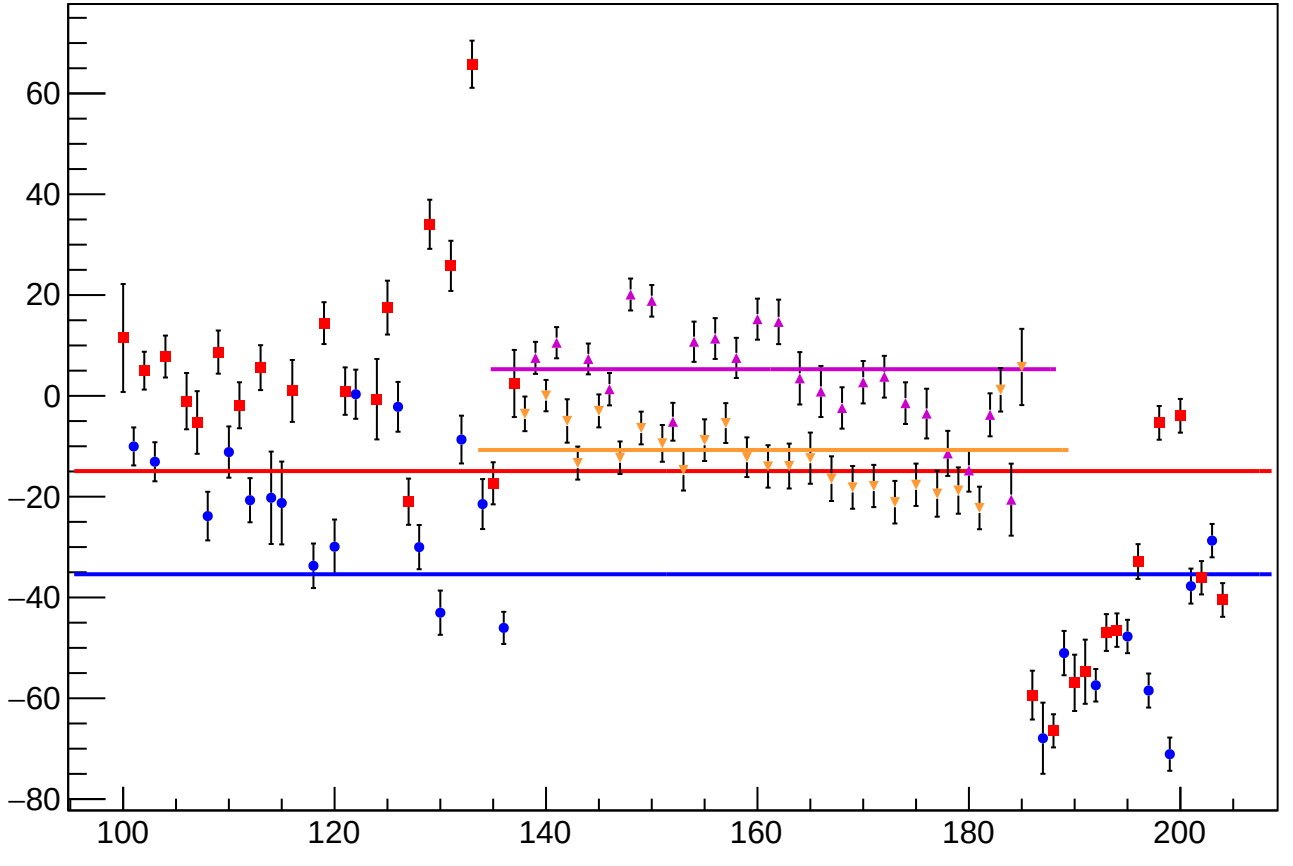
Right: 1506.467+/-0.202 χ^2/NDF: 1565172.9/53

In: 1665.994+/-0.213 χ^2/NDF:1501715.9/46

Out: 1651.132+/-0.200 χ^2/NDF:1616091.0/54

All: 1658.119+/-0.146 χ^2/NDF: 3120395.4/10

diff_bpm0l01X_mean vs Slug, Sign Corrected



Right In: -35.394+/-0.855 χ^2/NDF: 542.1/23

Left Out: -10.732+/-0.794 χ^2/NDF:73.8/24

Right Out: -14.921+/-0.794 χ^2/NDF: 1453.9/29

Left In: 5.291+/-0.814 χ^2/NDF:133.6/22

Left: -2.925+/-0.568 χ^2/NDF: 405.9/47

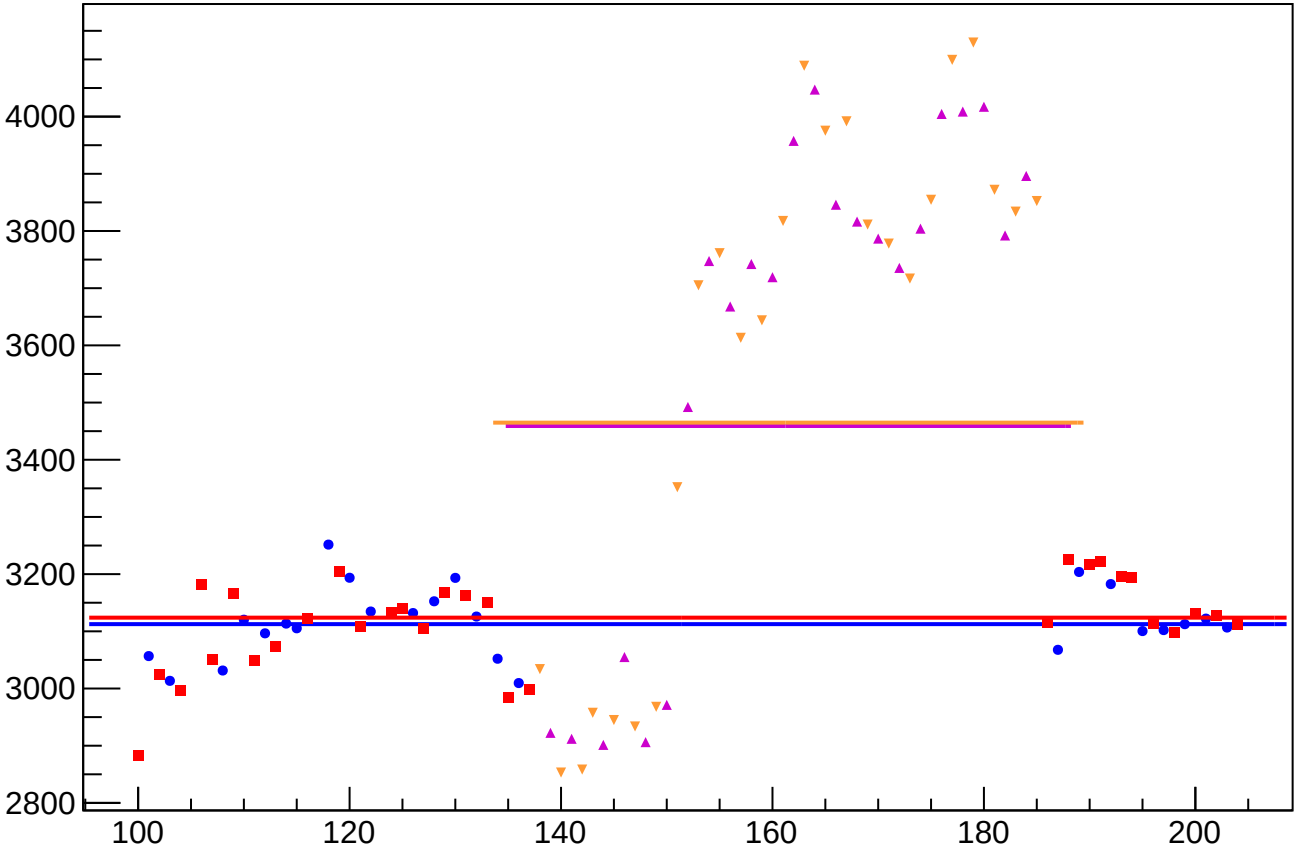
Right: -24.396+/-0.582 χ^2/NDF: 2303.6/53

In: -14.050+/-0.590 χ^2/NDF:1862.3/46

Out: -12.826+/-0.561 χ^2/NDF:1541.6/54

All: -13.408+/-0.407 χ^2/NDF: 3406.1/101

diff_bpm0l01X_rms vs Slug, Sign Corrected



Right In: 3112.574+/-0.605 χ^2/NDF: 10048.1/23

Left Out: 3464.906+/-0.561 χ^2/NDF:644023.5/24

Right Out: 3123.906+/-0.561 χ^2/NDF: 14680.4/29

Left In: 3459.050+/-0.576 χ^2/NDF:583309.1/22

Left: 3462.053+/-0.402 χ^2/NDF: 1227385.7/47

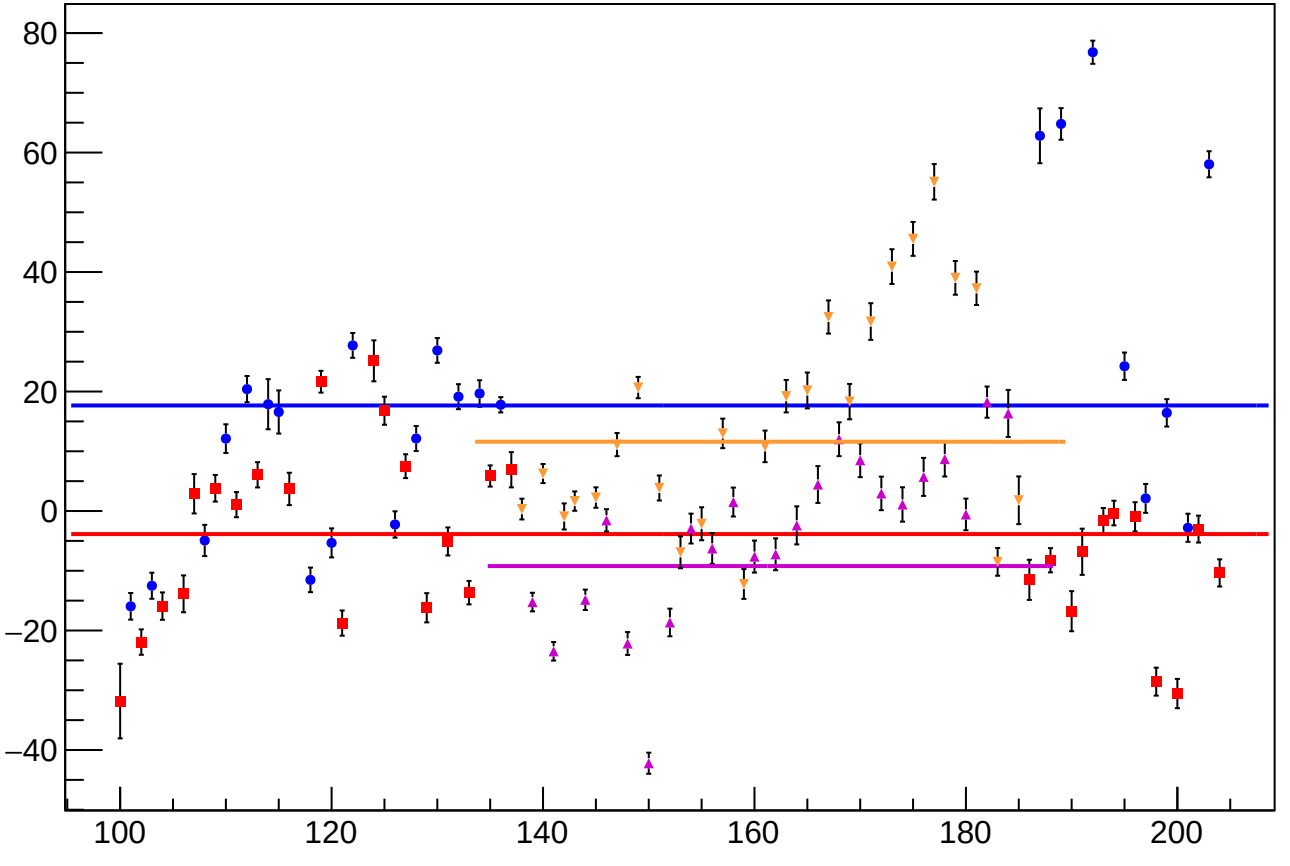
Right: 3118.662+/-0.411 χ^2/NDF: 24917.0/53

In: 3294.343+/-0.417 χ^2/NDF:765479.4/46

Out: 3294.442+/-0.397 χ^2/NDF:843196.6/54

All: 3294.395+/-0.288 χ^2/NDF: 1608676.0/10

diff_bpm0l01Y_mean vs Slug, Sign Corrected



Right In: 17.666+/-0.456 χ^2/NDF: 2736.0/23

Left Out: 11.599+/-0.463 χ^2/NDF:1196.9/24

Right Out: -3.858+/-0.432 χ^2/NDF: 971.6/29

Left In: -9.213+/-0.484 χ^2/NDF:940.6/22

Left: 1.641+/-0.335 χ^2/NDF: 3102.6/47

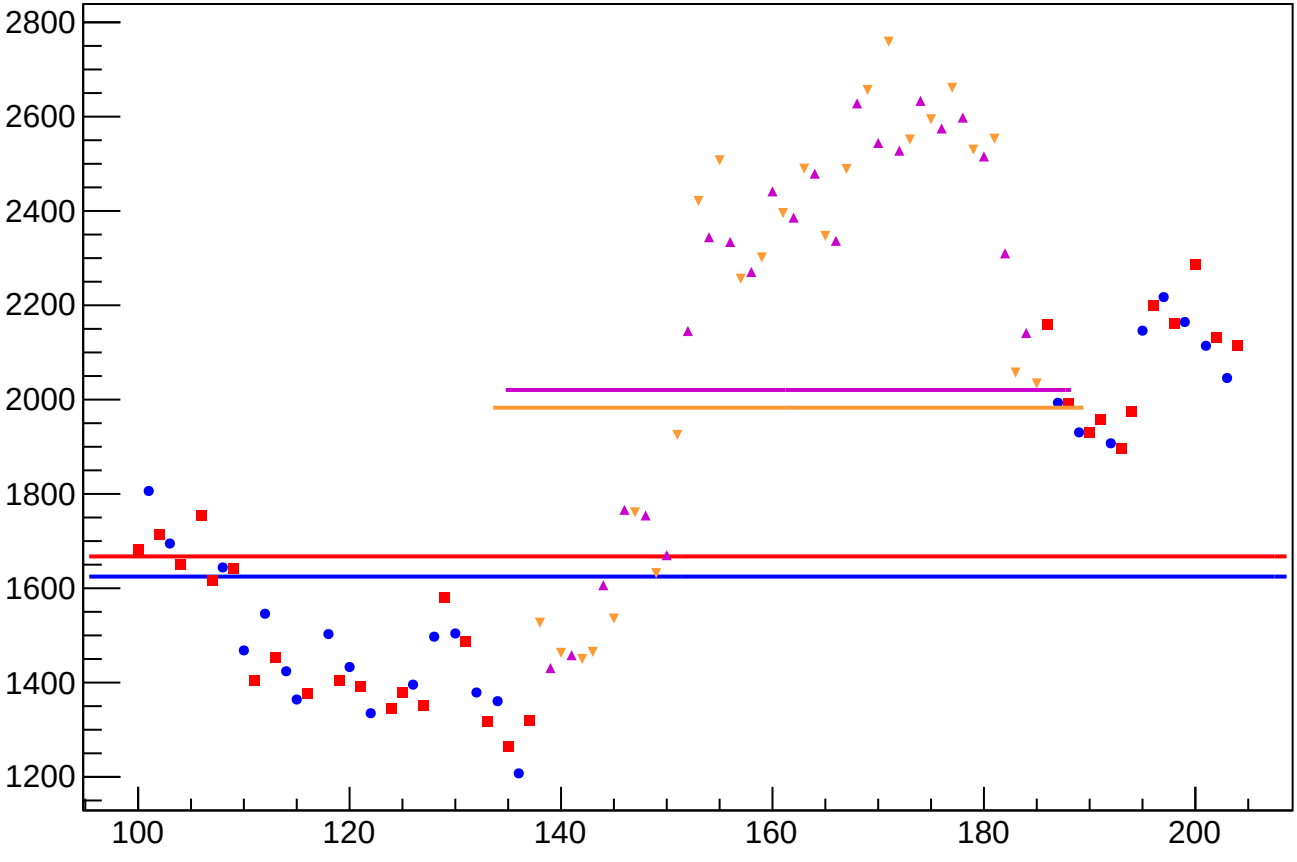
Right: 6.335+/-0.314 χ^2/NDF: 4881.0/53

In: 5.024+/-0.332 χ^2/NDF:5311.4/46

Out: 3.336+/-0.316 χ^2/NDF:2763.3/54

All: 4.139+/-0.229 χ^2/NDF: 8088.3/101

diff_bpm0l01Y_rms vs Slug, Sign Corrected



Right In: 1624.748+/-0.322 χ^2/NDF: 980016.6/23

Left Out: 1982.871+/-0.328 χ^2/NDF:1977669.4/24

Right Out: 1667.477+/-0.306 χ^2/NDF: 1119309.8/29

Left In: 2020.468+/-0.342 χ^2/NDF:1614691.2/22

Left: 2000.860+/-0.237 χ^2/NDF: 3598659.4/47

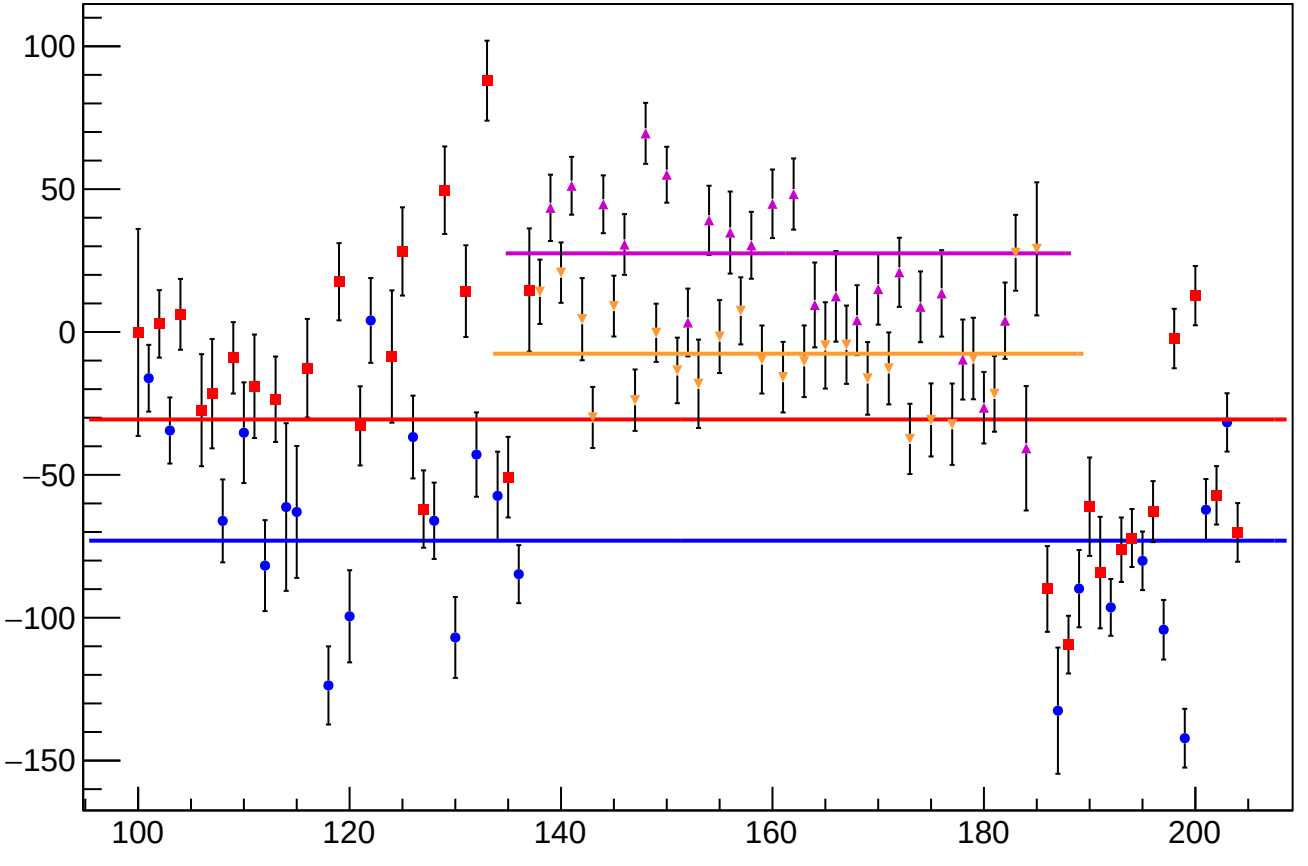
Right: 1647.242+/-0.222 χ^2/NDF: 2108574.7/53

In: 1810.871+/-0.235 χ^2/NDF:3303395.4/46

Out: 1814.270+/-0.224 χ^2/NDF:3592205.4/54

All: 1812.652+/-0.162 χ^2/NDF: 6895710.7/10

diff_bpm0l02X_mean vs Slug, Sign Corrected



Right In: -73.031+/-2.660 χ^2/NDF: 188.8/23

Left Out: -7.594+/-2.495 χ^2/NDF:47.9/24

Right Out: -30.602+/-2.471 χ^2/NDF: 345.2/29

Left In: 27.528+/-2.556 χ^2/NDF:93.0/22

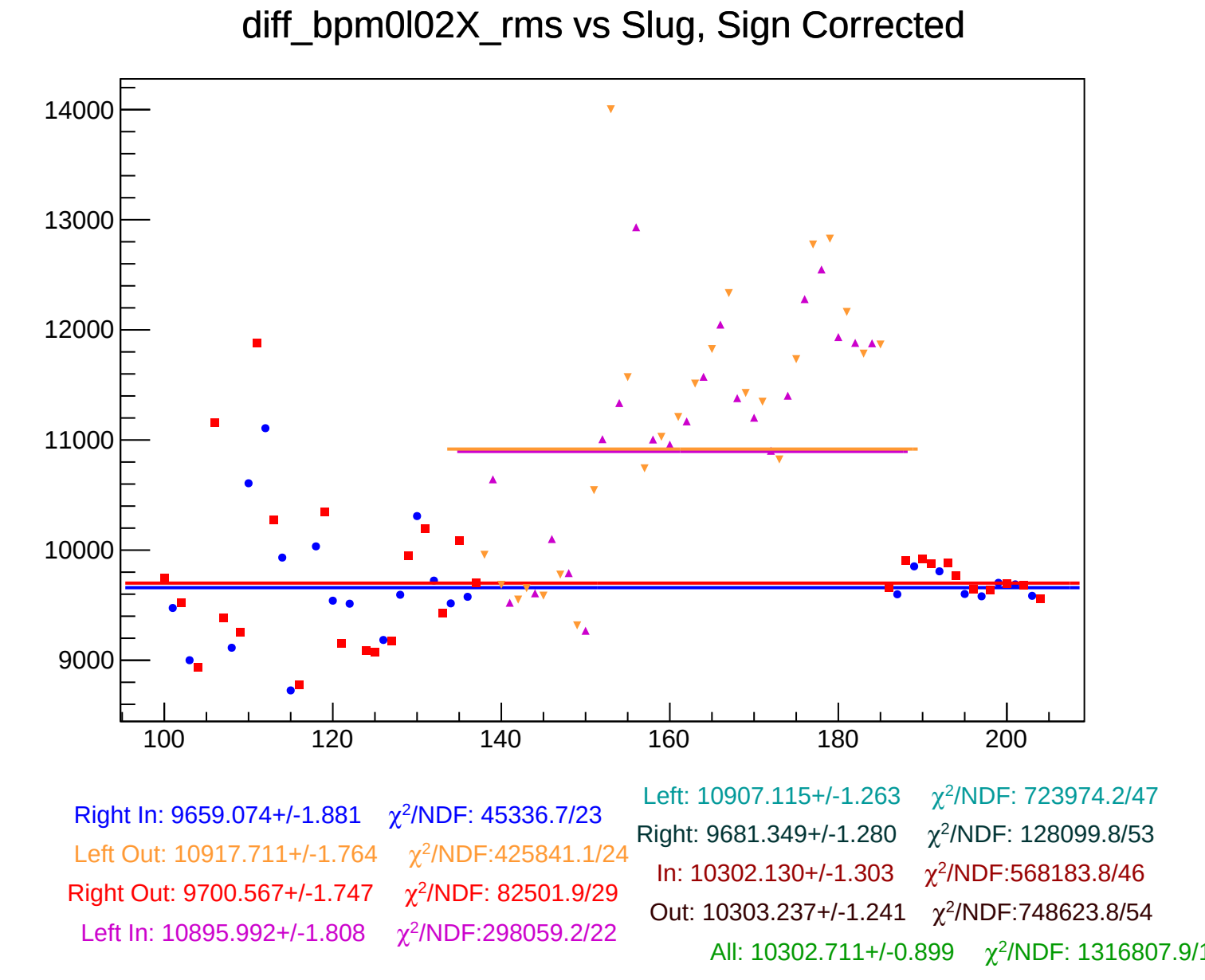
Left: 9.540+/-1.786 χ^2/NDF: 237.6/47

Right: -50.253+/-1.810 χ^2/NDF: 670.6/53

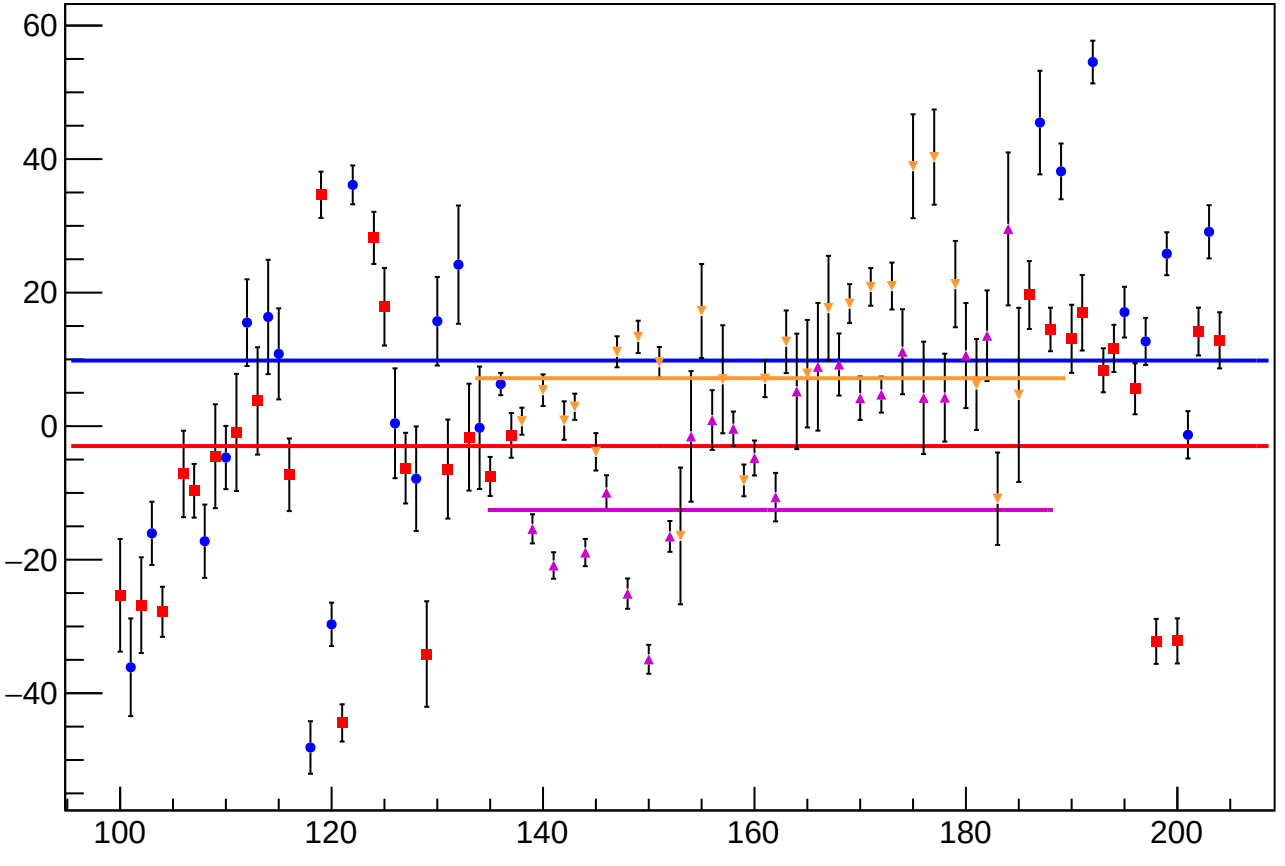
In: -20.752+/-1.843 χ^2/NDF:1024.7/46

Out: -19.209+/-1.756 χ^2/NDF:436.1/54

All: -19.943+/-1.271 χ^2/NDF: 1461.1/101


diff_bpm0l02X_rms vs Slug, Sign Corrected
14000
13000
12000
11000
10000
9000
100
120
140
160
180
200
Right In: 9659.074+/-1.881 χ²/NDF: 45336.7/23
Left Out: 10917.711+/-1.764 χ²/NDF:425841.1/24
Right Out: 9700.567+/-1.747 χ²/NDF: 82501.9/29
Left In: 10895.992+/-1.808 χ²/NDF:298059.2/22
Left: 10907.115+/-1.263 χ²/NDF: 723974.2/47
Right: 9681.349+/-1.280 χ²/NDF: 128099.8/53
In: 10302.130+/-1.303 χ²/NDF:568183.8/46
Out: 10303.237+/-1.241 χ²/NDF:748623.8/54
All: 10302.711+/-0.899 χ²/NDF: 1316807.9/1

diff_bpm0l02Y_mean vs Slug, Sign Corrected



Right In: 9.828+/-0.823 χ^2/NDF: 890.1/23

Left Out: 7.185+/-0.654 χ^2/NDF:201.7/24

Right Out: -2.981+/-0.785 χ^2/NDF: 793.2/29

Left In: -12.553+/-0.661 χ^2/NDF:372.1/22

Left: -2.580+/-0.465 χ^2/NDF: 1025.0/47

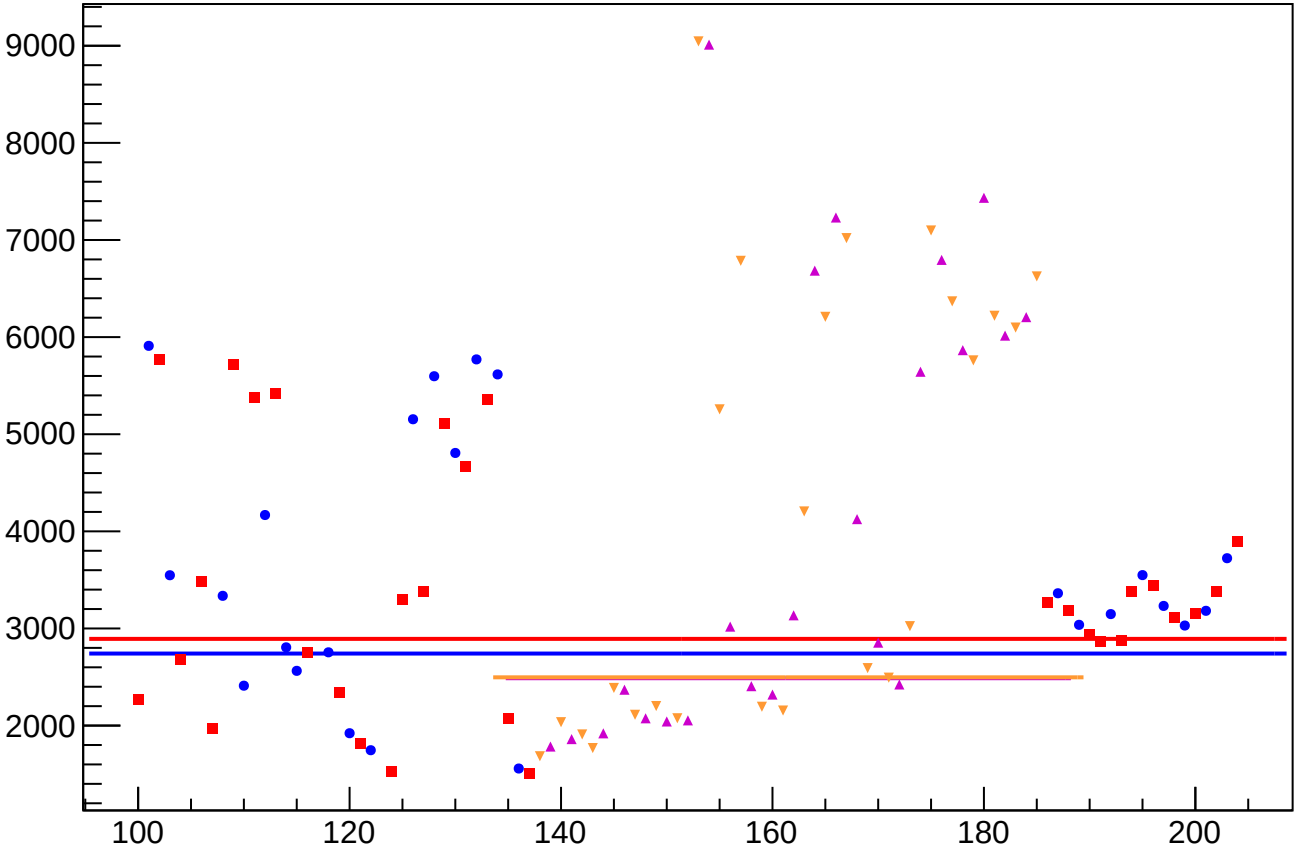
Right: 3.122+/-0.568 χ^2/NDF: 1810.1/53

In: -3.787+/-0.515 χ^2/NDF:1711.8/46

Out: 3.025+/-0.502 χ^2/NDF:1093.9/54

All: -0.296+/-0.360 χ^2/NDF: 2895.4/101

diff_bpm0l02Y_rms vs Slug, Sign Corrected



Right In: 2741.699+/-0.582 χ^2/NDF: 3347661.0/23

Left Out: 2496.801+/-0.462 χ^2/NDF:7205827.8/24

Right Out: 2892.786+/-0.555 χ^2/NDF: 2945502.4/29

Left In: 2487.721+/-0.467 χ^2/NDF:6103466.5/22

Left: 2492.309+/-0.329 χ^2/NDF: 13309485.2/47

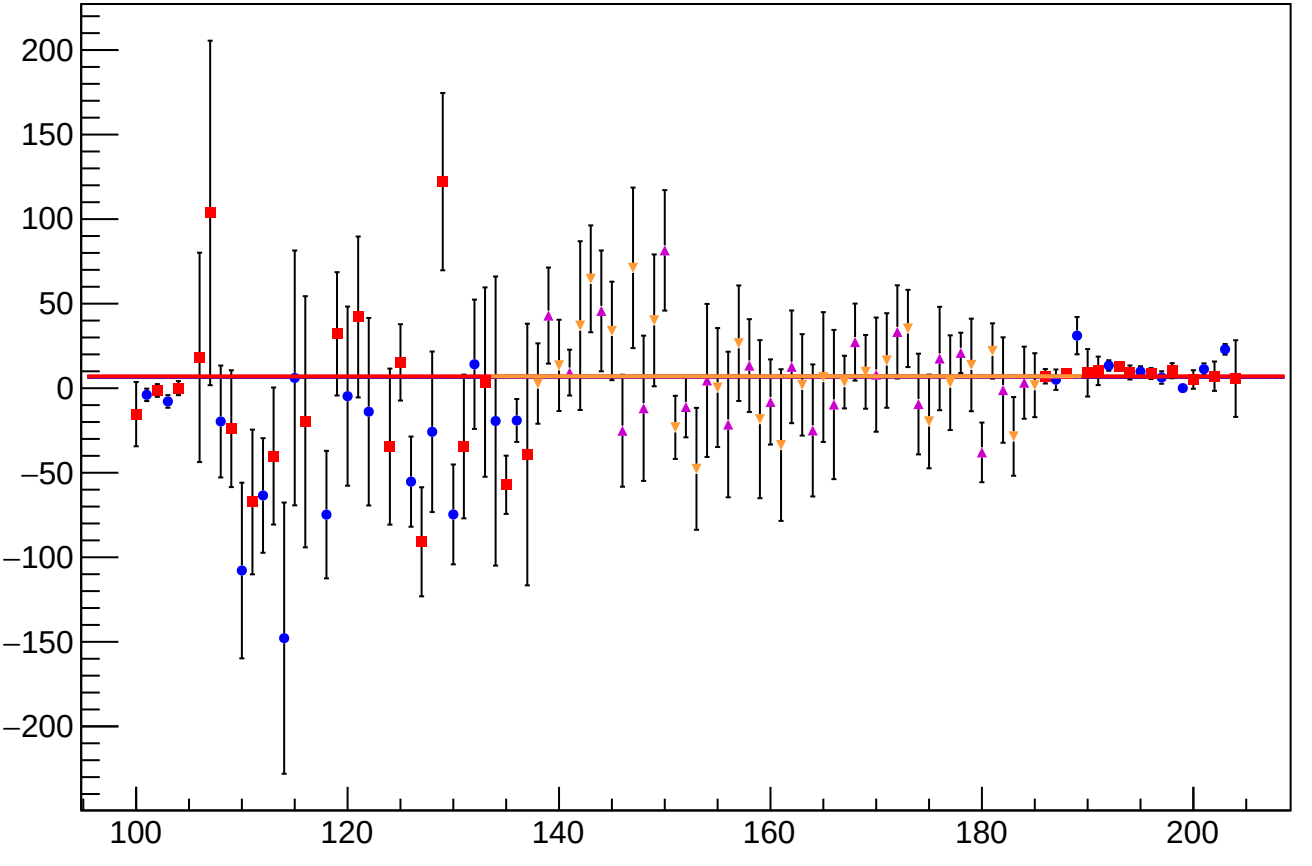
Right: 2820.796+/-0.402 χ^2/NDF: 6328430.8/53

In: 2587.191+/-0.364 χ^2/NDF:9566934.9/46

Out: 2658.840+/-0.355 χ^2/NDF:10451711.0/54

All: 2623.917+/-0.254 χ^2/NDF: 20038473.2/

diff_bpm0l03X_mean vs Slug, Sign Corrected



Right In: 6.671+/-1.138 χ^2/NDF: 103.6/23

Left Out: 7.059+/-5.227 χ^2/NDF:19.6/24

Right Out: 6.993+/-1.183 χ^2/NDF: 52.7/29

Left In: 6.944+/-5.090 χ^2/NDF:21.1/22

Left: 7.000+/-3.647 χ^2/NDF: 40.7/47

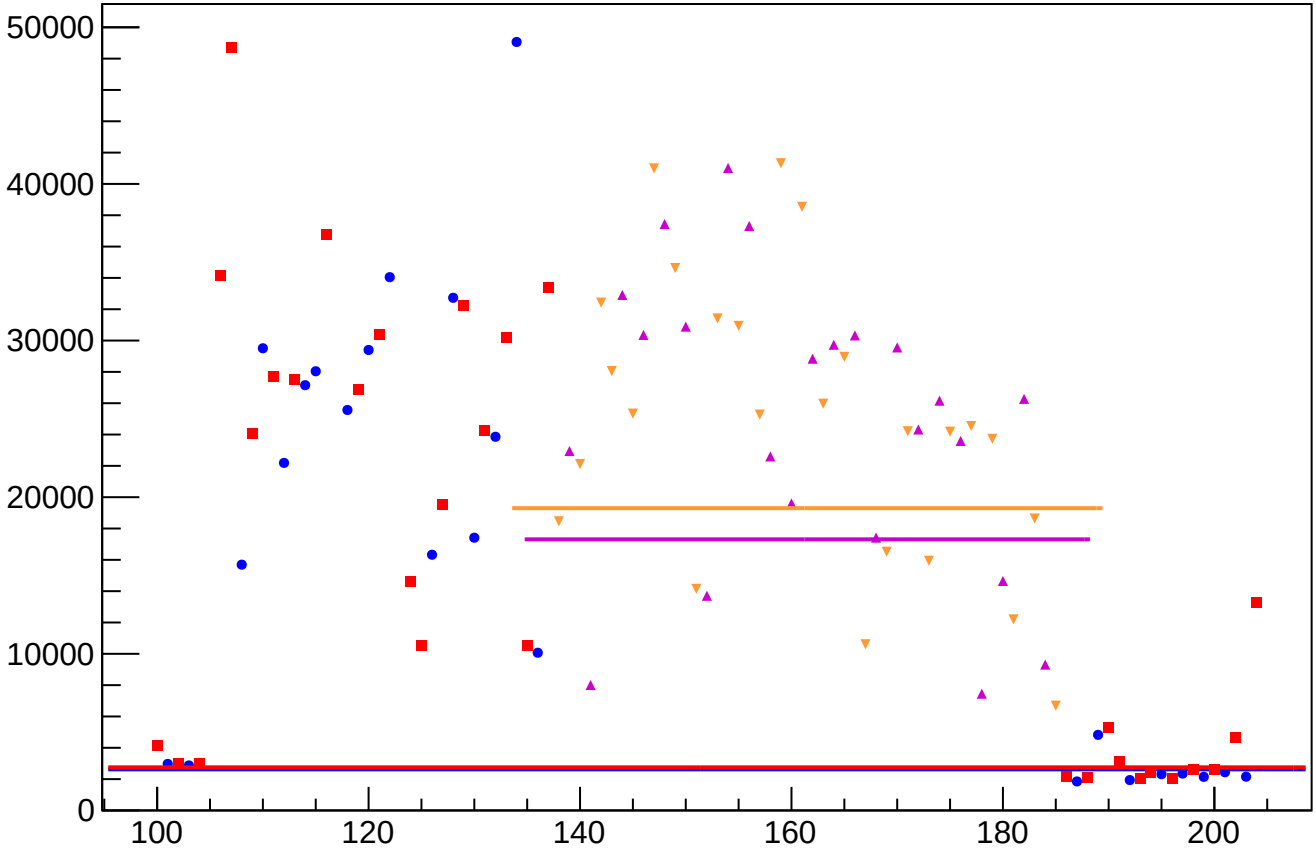
Right: 6.825+/-0.820 χ^2/NDF: 156.3/53

In: 6.684+/-1.110 χ^2/NDF:124.7/46

Out: 6.996+/-1.154 χ^2/NDF:72.2/54

All: 6.834+/-0.800 χ^2/NDF: 197.0/101

diff_bpm0l03X_rms vs Slug, Sign Corrected



Right In: 2626.500+/-0.804 χ^2/NDF: 7919102.0/23

Left Out: 19299.351+/-3.696 χ^2/NDF:5037014.9/24

Right Out: 2752.504+/-0.837 χ^2/NDF: 9331268.7/29

Left In: 17309.081+/-3.600 χ^2/NDF:6719993.9/22

Left: 18277.793+/-2.579 χ^2/NDF: 11905813.9/47

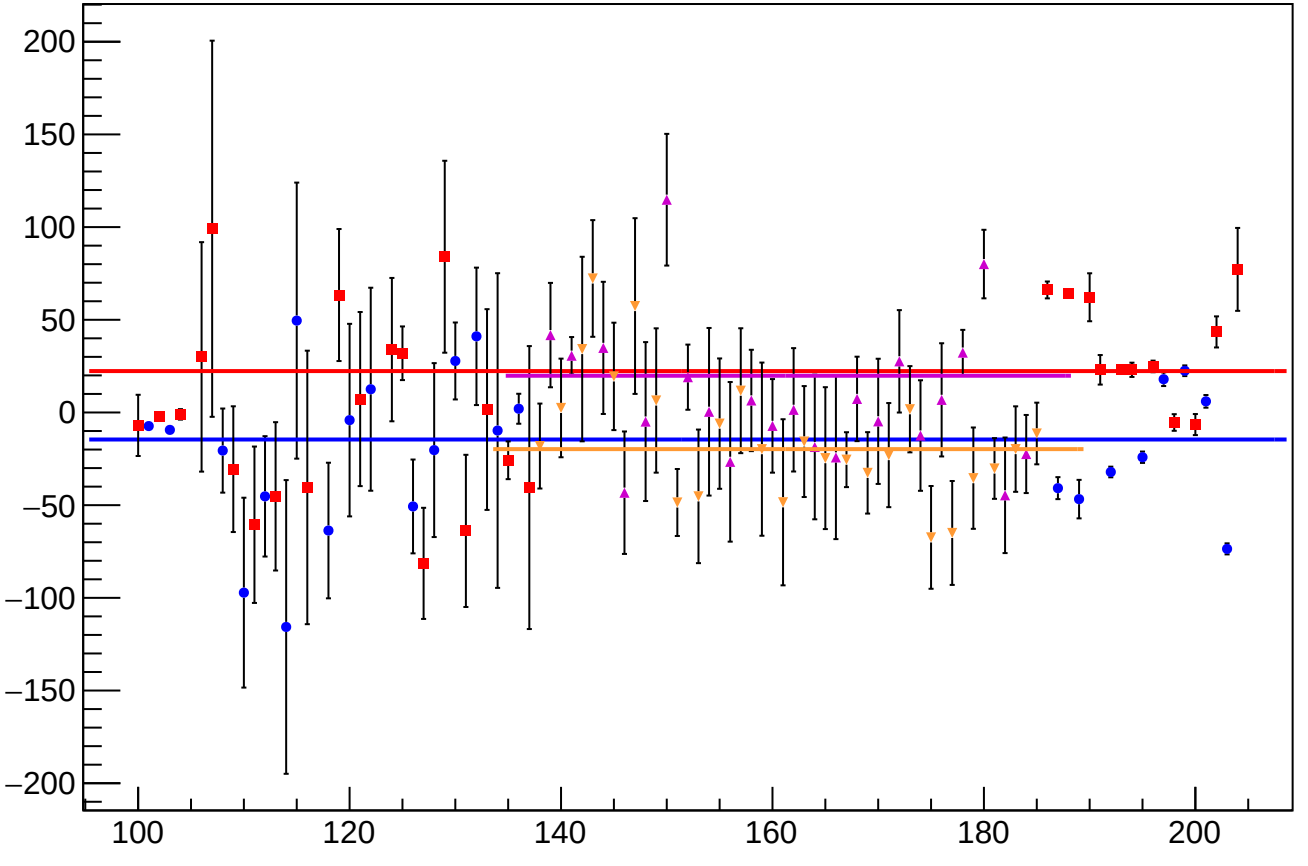
Right: 2687.040+/-0.580 χ^2/NDF: 17262158.8/53

In: 3324.938+/-0.785 χ^2/NDF:30486181.0/46

Out: 3558.651+/-0.816 χ^2/NDF:33430888.5/54

All: 3437.298+/-0.566 χ^2/NDF: 63959675.9/1

diff_bpm0l03Y_mean vs Slug, Sign Corrected



Right In: -14.581+/-1.003 χ^2/NDF: 779.3/23

Left Out: -19.769+/-5.117 χ^2/NDF:27.8/24

Right Out: 22.334+/-1.037 χ^2/NDF: 665.9/29

Left In: 19.822+/-4.846 χ^2/NDF:40.3/22

Left: 1.103+/-3.518 χ^2/NDF: 99.6/47

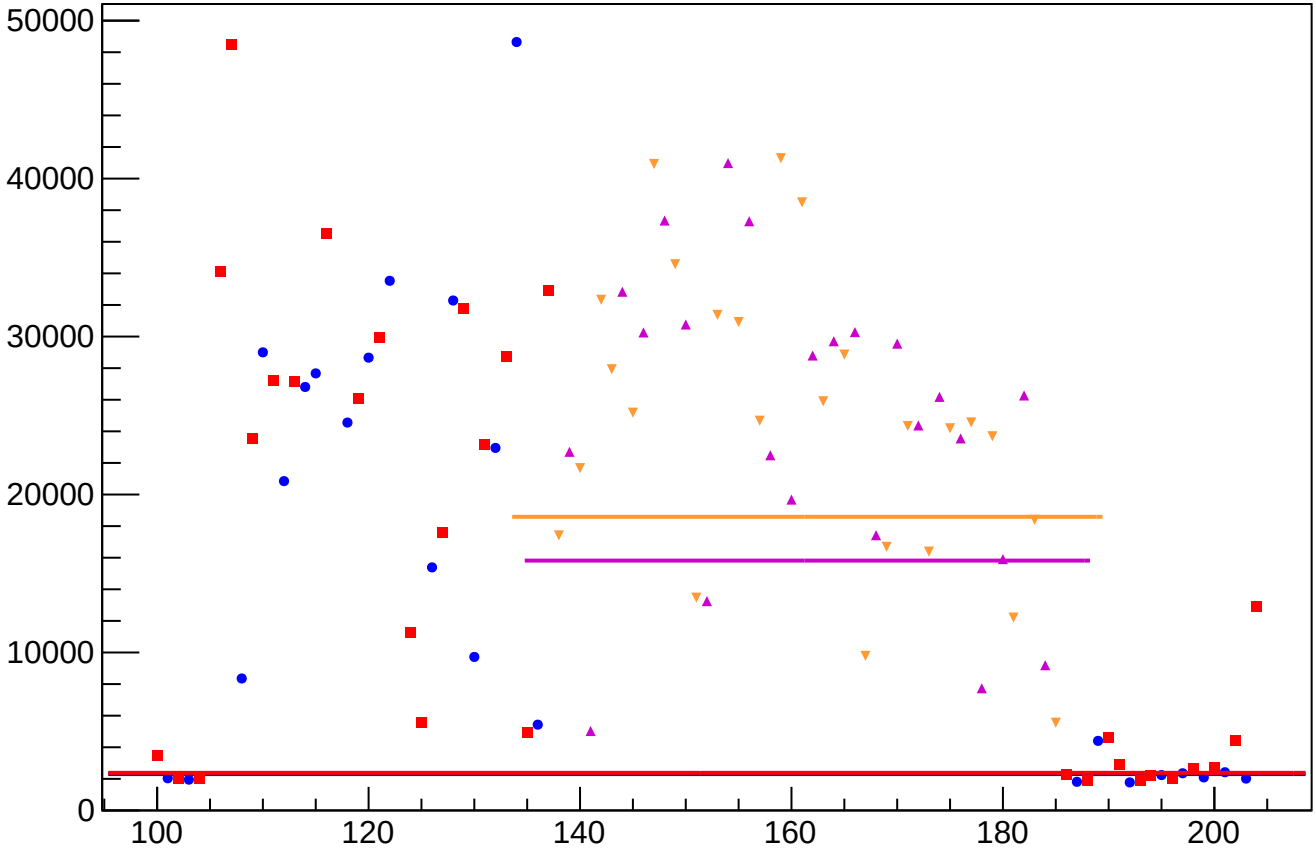
Right: 3.254+/-0.721 χ^2/NDF: 2100.1/53

In: -13.168+/-0.982 χ^2/NDF:867.9/46

Out: 20.672+/-1.016 χ^2/NDF:758.7/54

All: 3.167+/-0.706 χ^2/NDF: 2200.1/101

diff_bpm0l03Y_rms vs Slug, Sign Corrected



Right In: 2303.622+/-0.709 χ^2/NDF: 7047194.6/23

Left Out: 18589.195+/-3.618 χ^2/NDF:5698567.3/24

Right Out: 2380.691+/-0.733 χ^2/NDF: 8894225.3/29

Left In: 15817.655+/-3.426 χ^2/NDF:8406830.8/22

Left: 17128.048+/-2.488 χ^2/NDF: 14414756.2/47

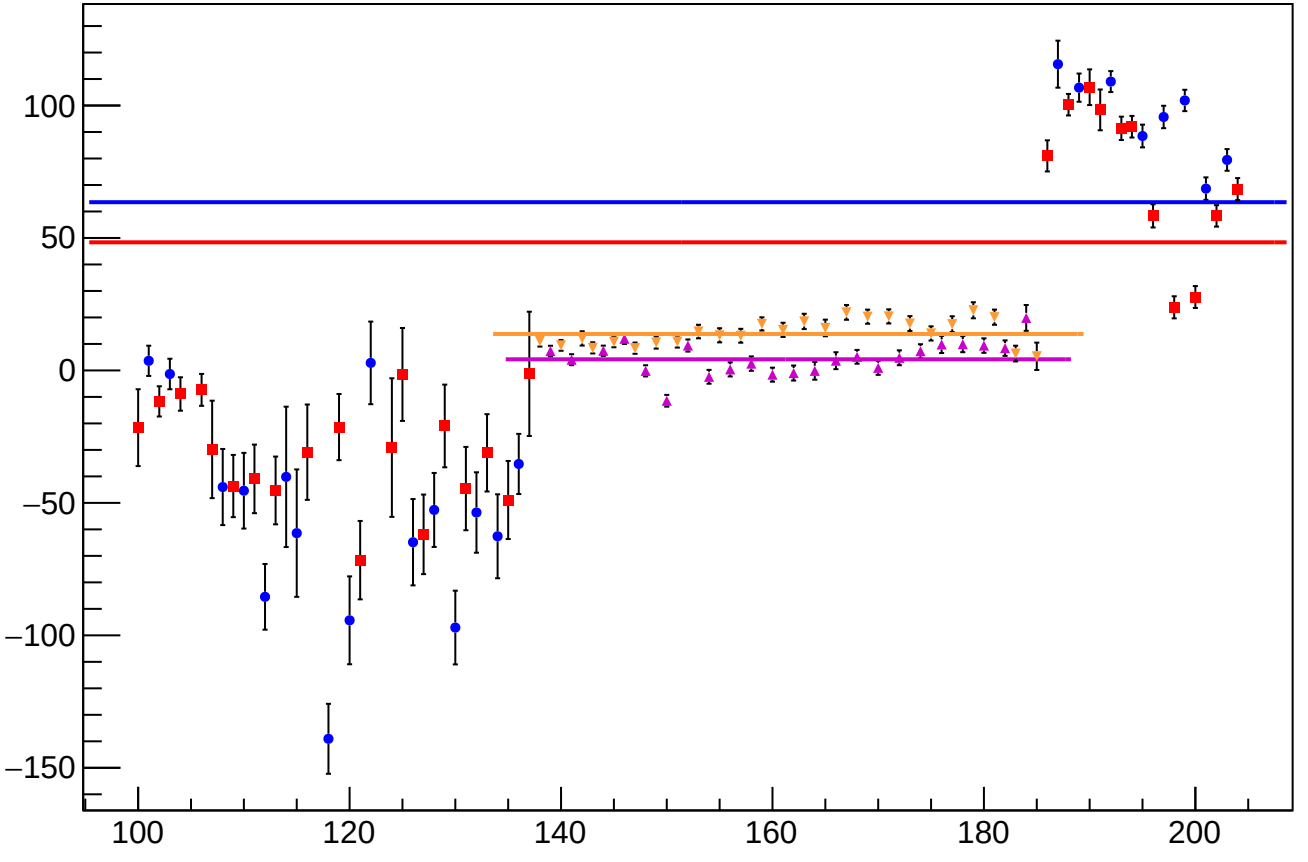
Right: 2340.856+/-0.510 χ^2/NDF: 15947129.4/53

In: 2858.432+/-0.694 χ^2/NDF:30371754.2/46

Out: 3020.212+/-0.719 χ^2/NDF:33870258.2/54

All: 2936.525+/-0.499 χ^2/NDF: 64268225.6/

diff_bpm0l04X_mean vs Slug, Sign Corrected



Right In: 63.505+/-1.383 χ^2/NDF: 1773.1/23

Left Out: 13.761+/-0.514 χ^2/NDF:77.2/24

Right Out: 48.362+/-1.213 χ^2/NDF: 1417.5/29

Left In: 4.202+/-0.530 χ^2/NDF:123.9/22

Left: 9.129+/-0.369 χ^2/NDF: 368.8/47

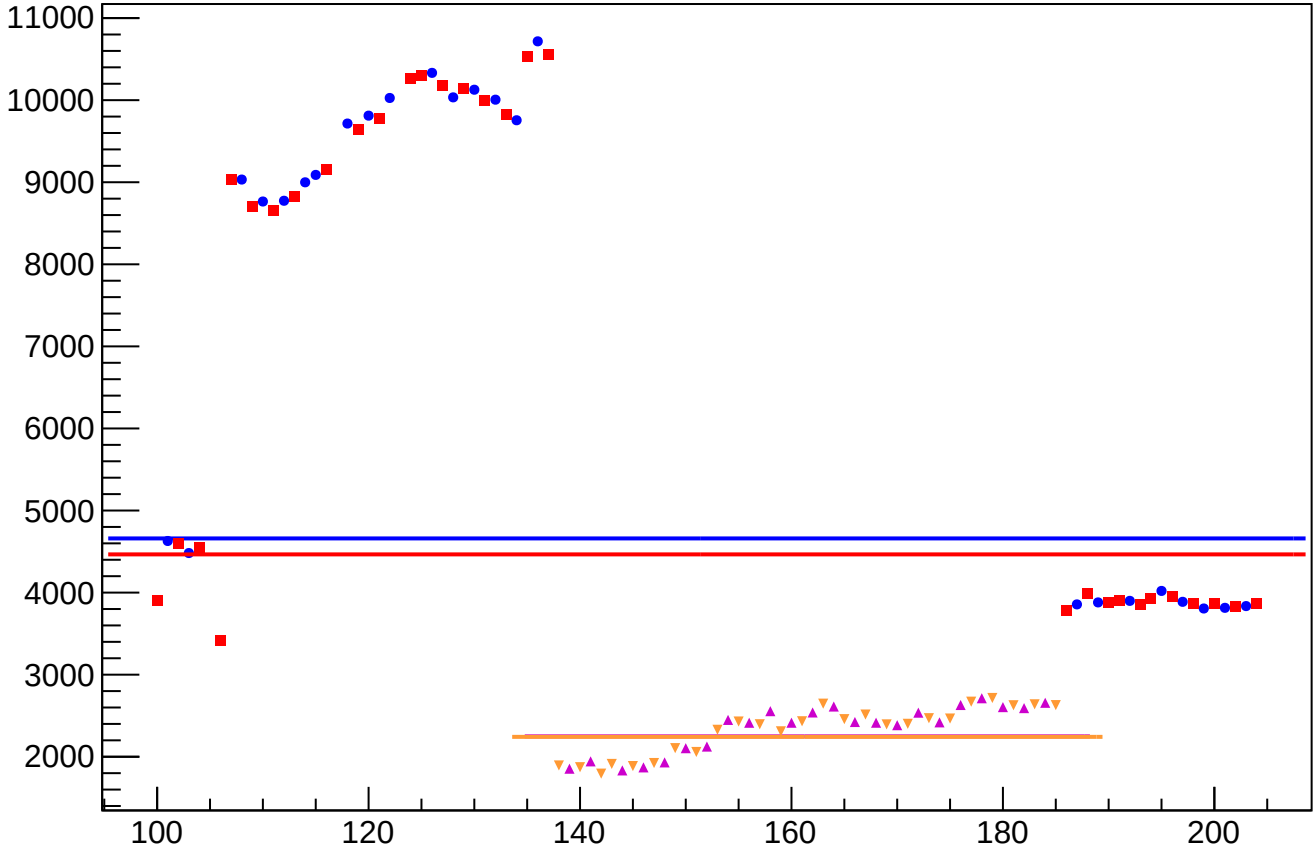
Right: 54.943+/-0.912 χ^2/NDF: 3258.4/53

In: 11.796+/-0.495 χ^2/NDF:3499.9/46

Out: 19.030+/-0.473 χ^2/NDF:2184.9/54

All: 15.576+/-0.342 χ^2/NDF: 5796.3/101

diff_bpm0l04X_rms vs Slug, Sign Corrected



Right In: 4660.089+/-0.978 χ^2/NDF: 3782532.0/23

Left Out: 2242.334+/-0.363 χ^2/NDF:657865.5/24

Right Out: 4465.609+/-0.858 χ^2/NDF: 3847705.6/29

Left In: 2248.582+/-0.375 χ^2/NDF:642255.3/22

Left: 2245.362+/-0.261 χ^2/NDF: 1300264.0/47

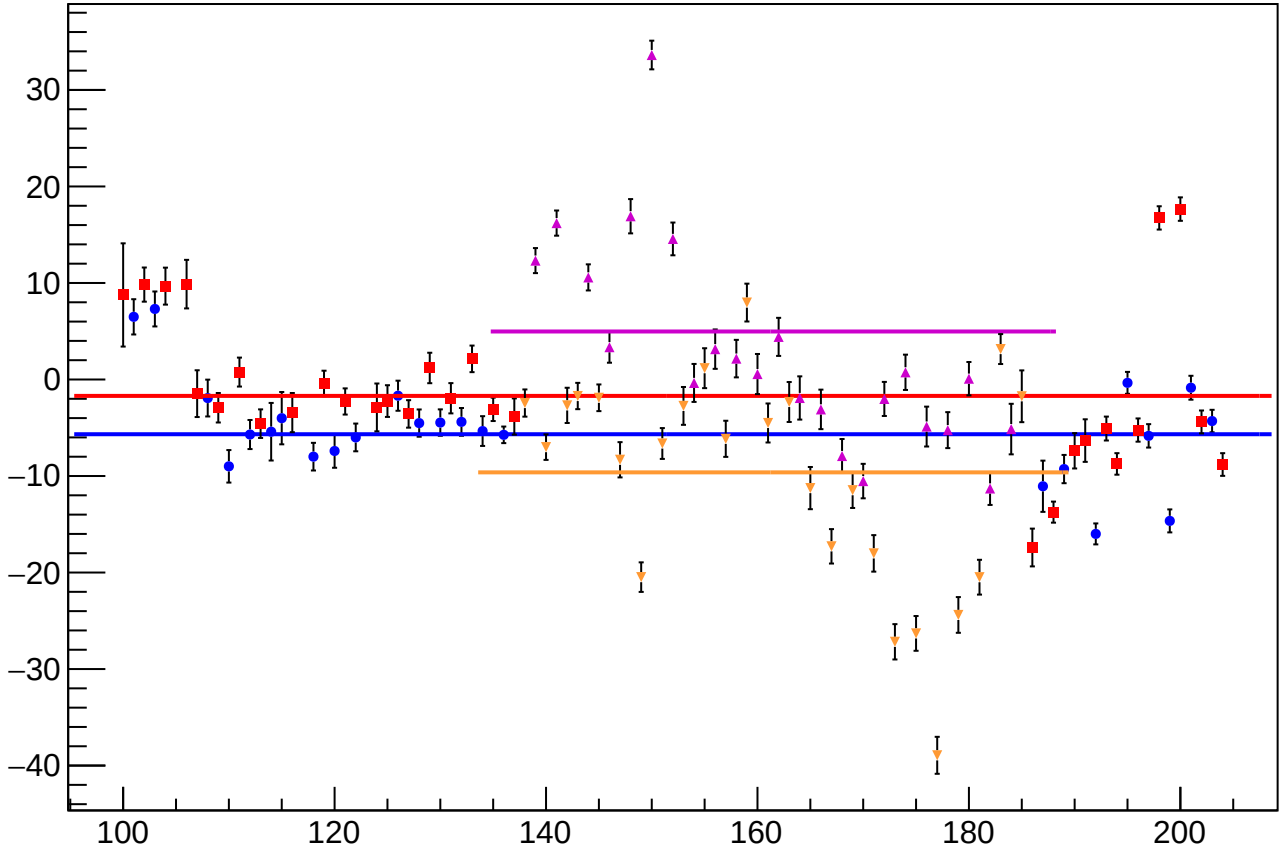
Right: 4550.132+/-0.645 χ^2/NDF: 7652592.6/53

In: 2557.388+/-0.350 χ^2/NDF:9725617.8/46

Out: 2580.921+/-0.335 χ^2/NDF:10204048.4/54

All: 2569.682+/-0.242 χ^2/NDF: 19932028.2/1

diff_bpm0l04Y_mean vs Slug, Sign Corrected



Right In: -5.671+/-0.289 χ^2/NDF: 312.4/23

Left Out: -9.622+/-0.349 χ^2/NDF:934.3/24

Right Out: -1.699+/-0.272 χ^2/NDF: 912.5/29

Left In: 4.974+/-0.365 χ^2/NDF:929.8/22

Left: -2.641+/-0.252 χ^2/NDF: 2700.1/47

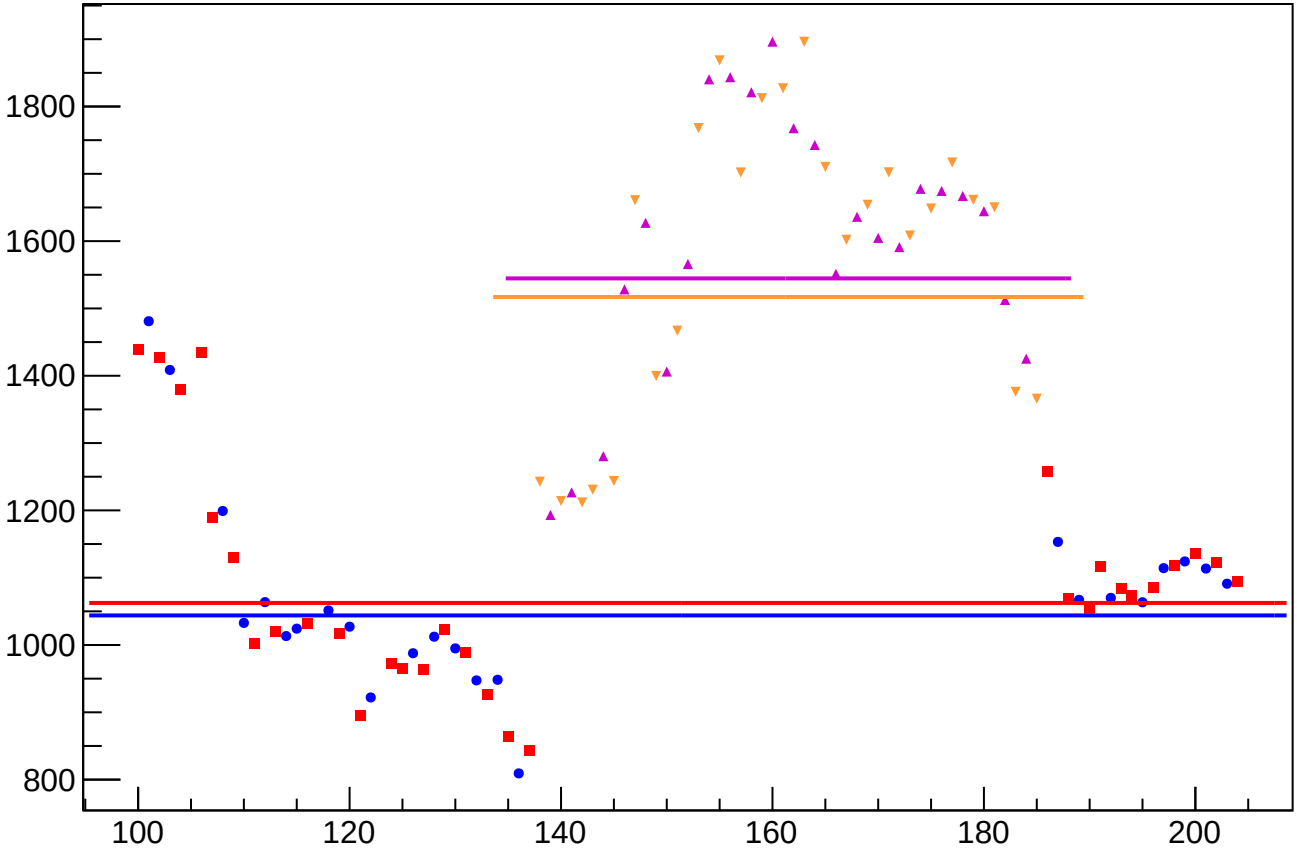
Right: -3.562+/-0.198 χ^2/NDF: 1325.0/53

In: -1.557+/-0.227 χ^2/NDF:1765.1/46

Out: -4.691+/-0.215 χ^2/NDF:2167.4/54

All: -3.210+/-0.156 χ^2/NDF: 4033.3/101

diff_bpm0l04Y_rms vs Slug, Sign Corrected



Right In: 1043.914+/-0.205 χ^2/NDF: 427657.8/23

Left Out: 1517.008+/-0.247 χ^2/NDF:832983.9/24

Right Out: 1062.479+/-0.192 χ^2/NDF: 406111.3/29

Left In: 1544.620+/-0.258 χ^2/NDF:638659.4/22

Left: 1530.214+/-0.178 χ^2/NDF: 1477627.5/47

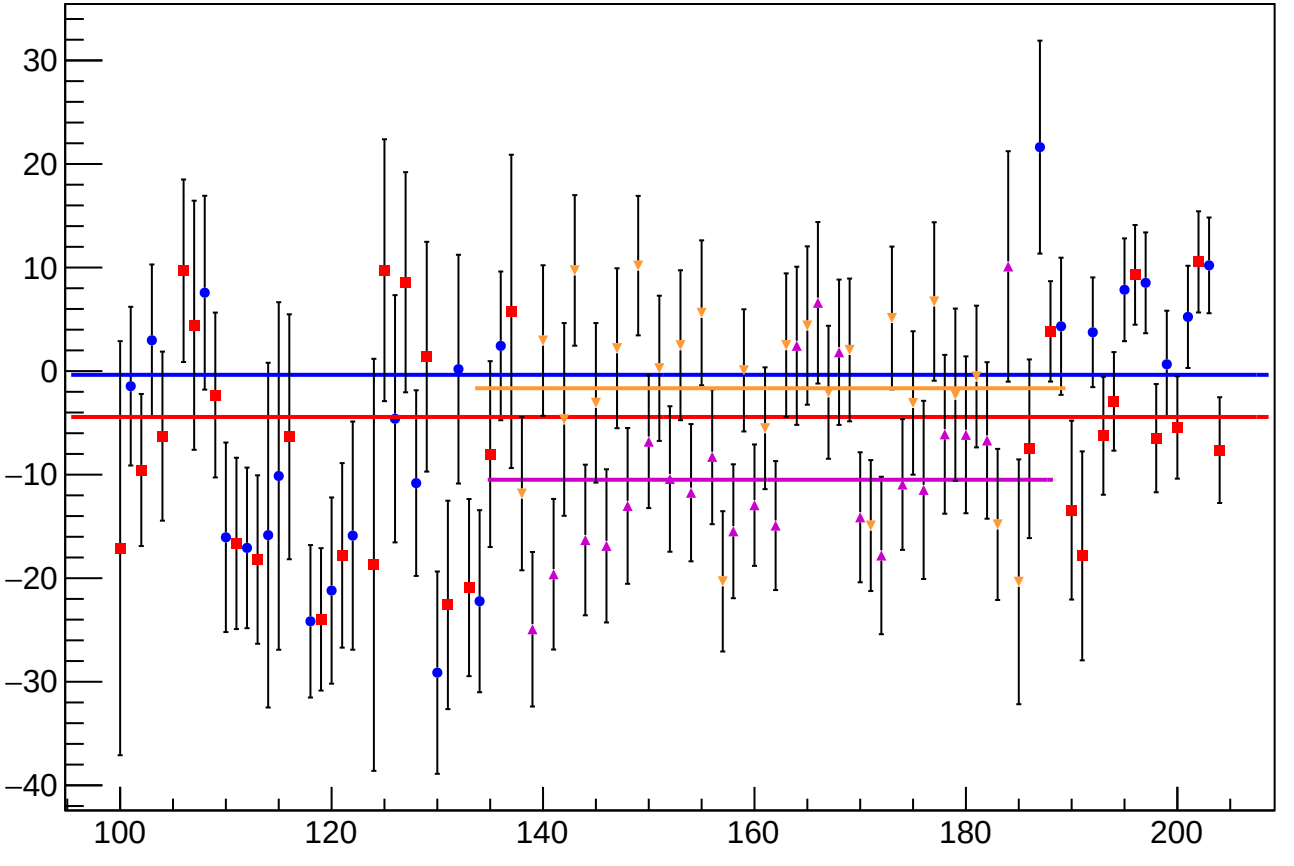
Right: 1053.773+/-0.140 χ^2/NDF: 838141.0/53

In: 1237.409+/-0.160 χ^2/NDF:3380423.2/46

Out: 1234.125+/-0.152 χ^2/NDF:3349129.8/54

All: 1235.677+/-0.110 χ^2/NDF: 6729774.4/10

diff_bpm0l05X_mean vs Slug, Sign Corrected



Right In: -0.360+/-1.461 χ^2/NDF: 62.3/23

Left Out: -1.655+/-1.426 χ^2/NDF:31.5/24

Right Out: -4.430+/-1.332 χ^2/NDF: 54.8/29

Left In: -10.492+/-1.480 χ^2/NDF:24.9/22

Left: -5.911+/-1.027 χ^2/NDF: 74.9/47

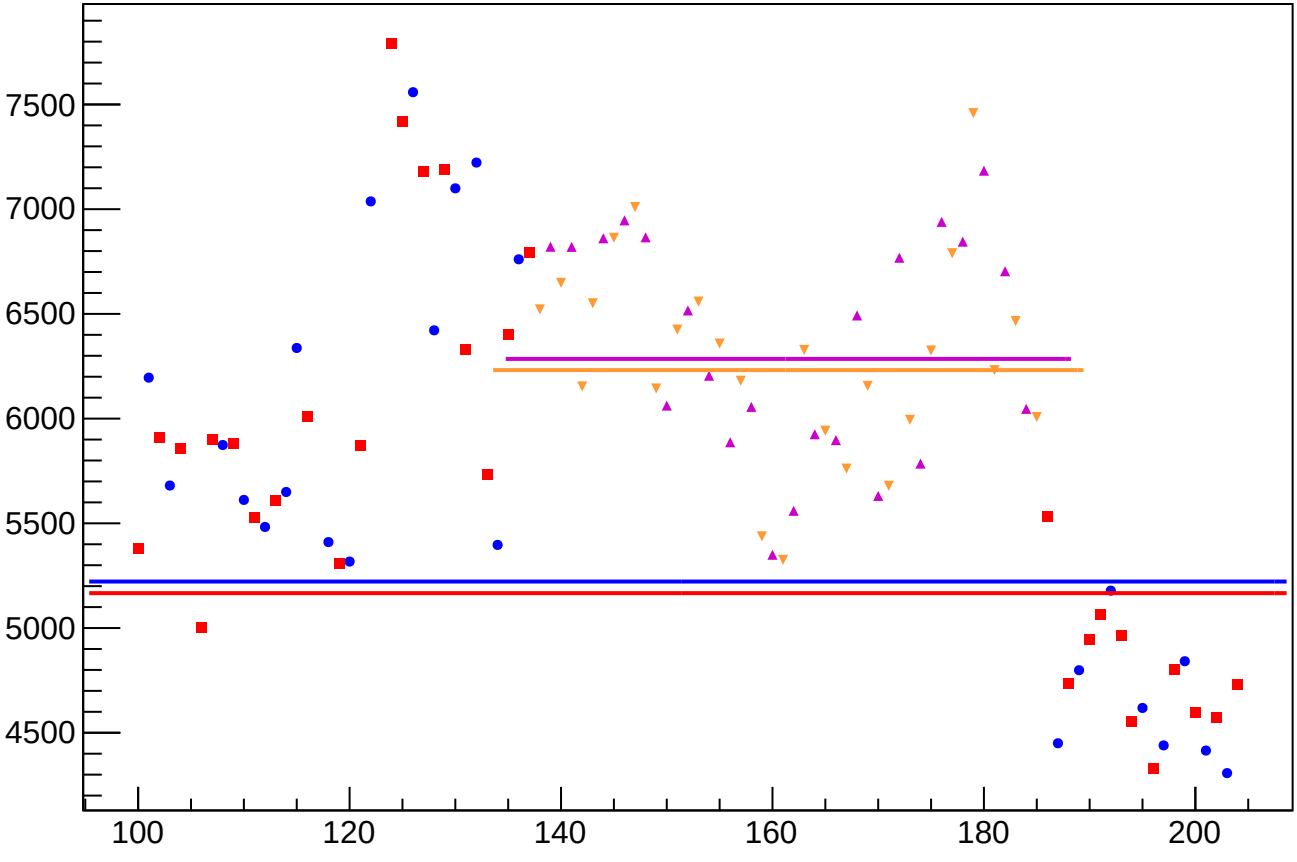
Right: -2.583+/-0.984 χ^2/NDF: 121.4/53

In: -5.363+/-1.040 χ^2/NDF:111.0/46

Out: -3.137+/-0.974 χ^2/NDF:88.3/54

All: -4.177+/-0.711 χ^2/NDF: 201.8/101

diff_bpm0l05X_rms vs Slug, Sign Corrected



Right In: 5222.028+/-1.033 χ^2/NDF: 709640.7/23

Left Out: 6231.572+/-1.009 χ^2/NDF:226959.2/24

Right Out: 5166.641+/-0.942 χ^2/NDF: 623439.7/29

Left In: 6285.058+/-1.046 χ^2/NDF:265370.2/22

Left: 6257.332+/-0.726 χ^2/NDF: 493684.0/47

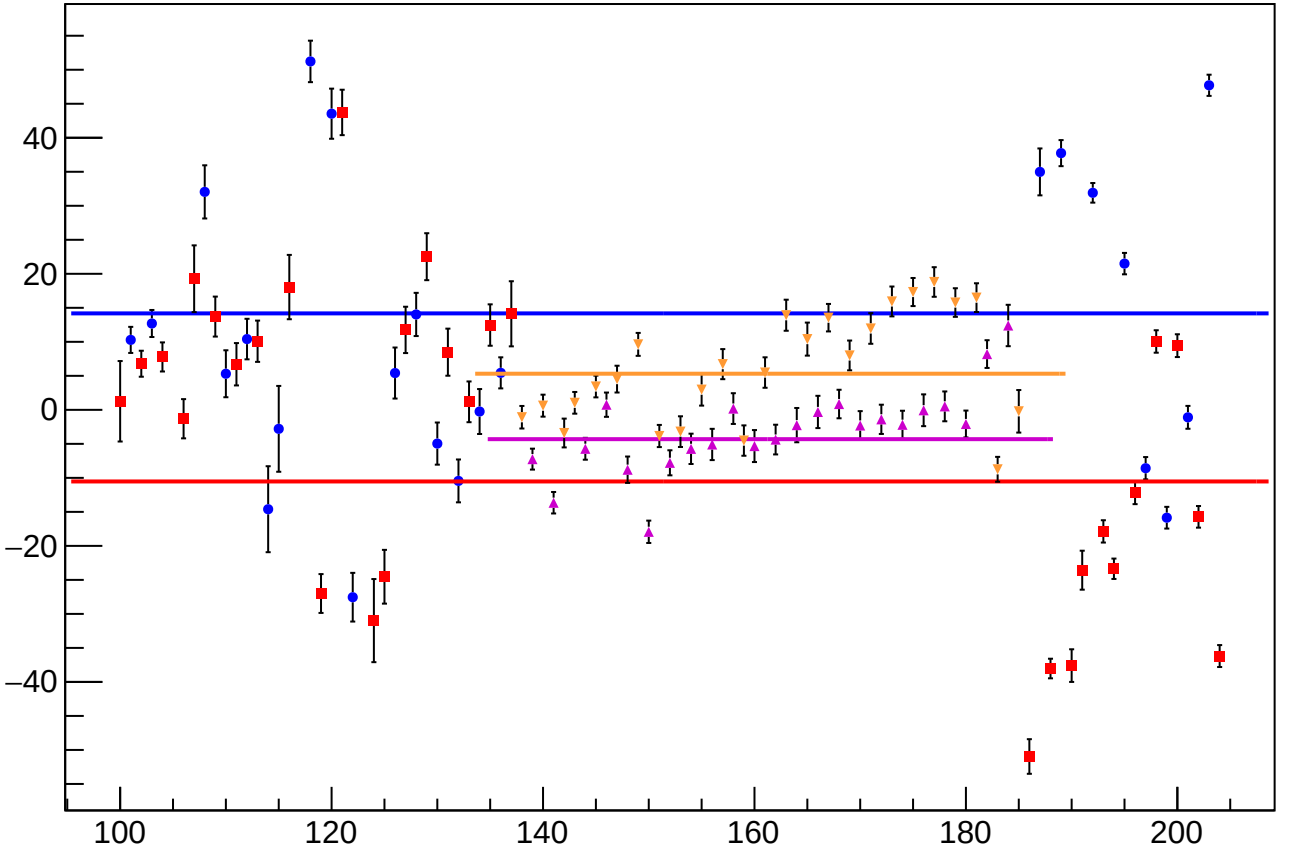
Right: 5191.778+/-0.696 χ^2/NDF: 1334649.5/53

In: 5746.903+/-0.735 χ^2/NDF:1497553.1/46

Out: 5662.795+/-0.688 χ^2/NDF:1445891.0/54

All: 5702.086+/-0.503 χ^2/NDF: 2950417.4/10

diff_bpm0l05Y_mean vs Slug, Sign Corrected



Right In: 14.181+/-0.470 χ^2/NDF: 2000.5/23

Left Out: 5.313+/-0.400 χ^2/NDF:378.1/24

Right Out: -10.529+/-0.427 χ^2/NDF: 2392.4/29

Left In: -4.310+/-0.420 χ^2/NDF:220.4/22

Left: 0.733+/-0.290 χ^2/NDF: 873.5/47

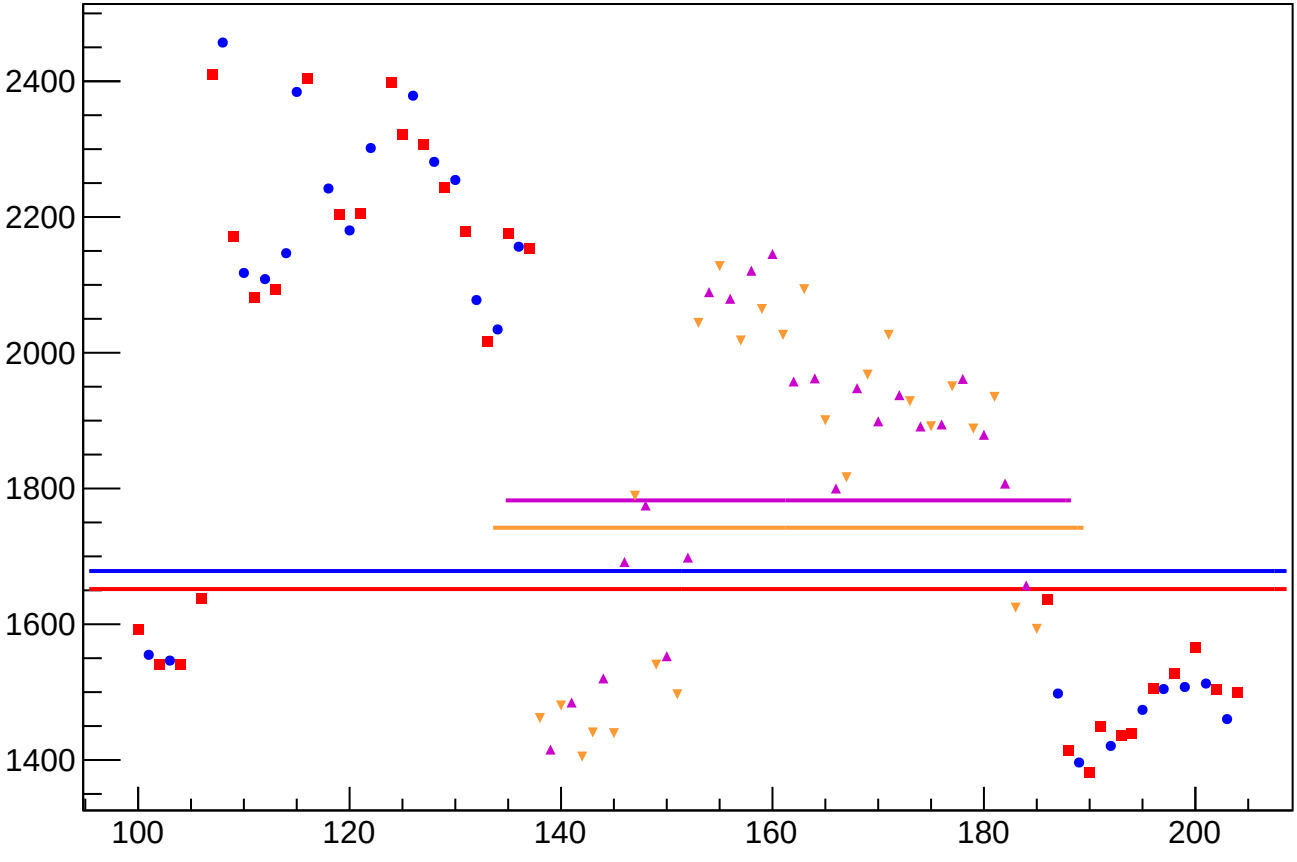
Right: 0.641+/-0.316 χ^2/NDF: 5907.1/53

In: 3.901+/-0.313 χ^2/NDF:3081.2/46

Out: -2.100+/-0.292 χ^2/NDF:3503.1/54

All: 0.691+/-0.214 χ^2/NDF: 6780.6/101

diff_bpm0l05Y_rms vs Slug, Sign Corrected



Right In: 1678.419+/-0.332 χ^2/NDF: 976809.0/23

Left Out: 1742.217+/-0.283 χ^2/NDF:767663.9/24

Right Out: 1651.852+/-0.302 χ^2/NDF: 992682.4/29

Left In: 1782.502+/-0.297 χ^2/NDF:534374.9/22

Left: 1761.391+/-0.205 χ^2/NDF: 1311677.3/47

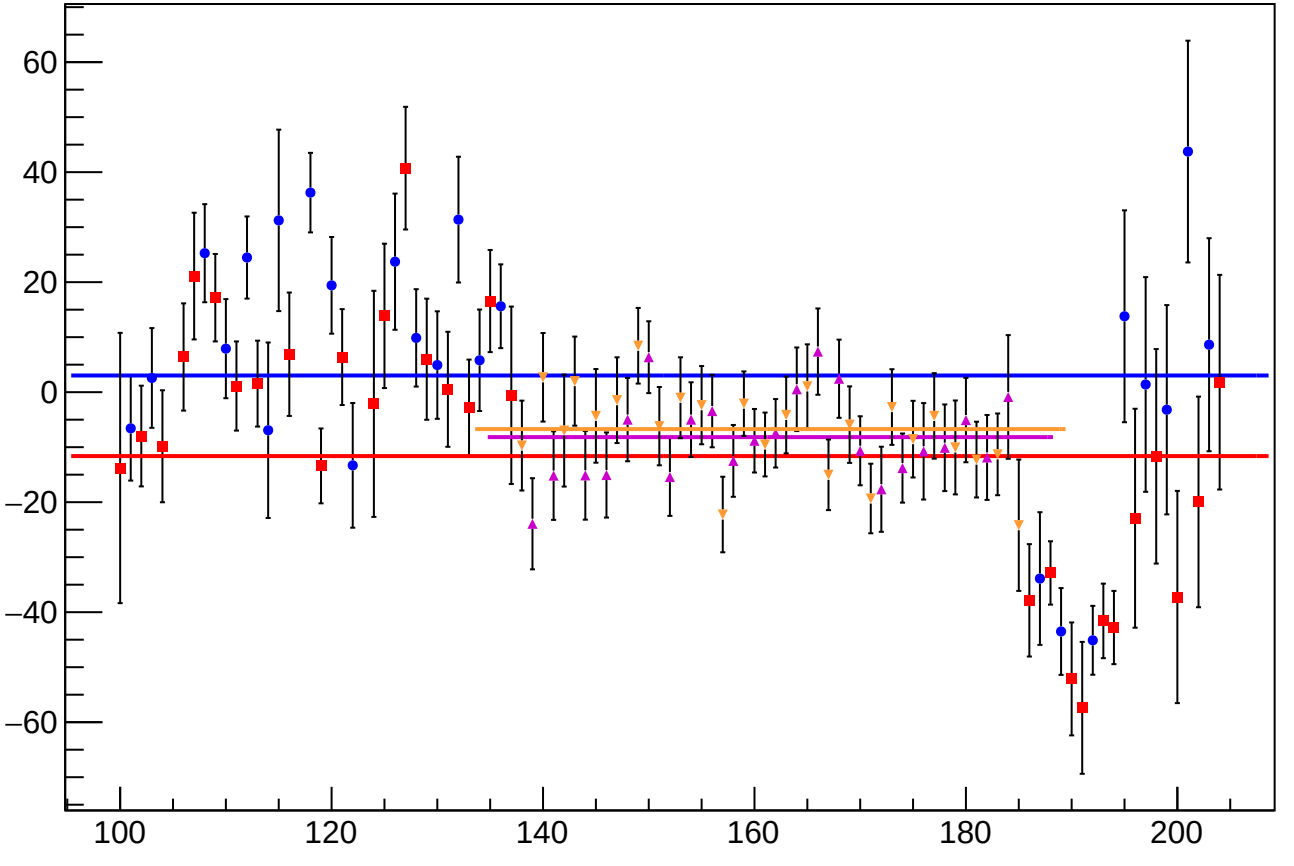
Right: 1663.862+/-0.223 χ^2/NDF: 1972992.3/53

In: 1736.283+/-0.221 χ^2/NDF:1565705.0/46

Out: 1699.936+/-0.207 χ^2/NDF:1808022.2/54

All: 1716.839+/-0.151 χ^2/NDF: 3388134.7/10

diff_bpm0l06X_mean vs Slug, Sign Corrected



Right In: 3.030+/-2.035 χ^2/NDF: 166.0/23

Left Out: -6.713+/-1.458 χ^2/NDF:25.7/24

Right Out: -11.620+/-1.804 χ^2/NDF: 172.4/29

Left In: -8.171+/-1.510 χ^2/NDF:24.2/22

Left: -7.416+/-1.049 χ^2/NDF: 50.3/47

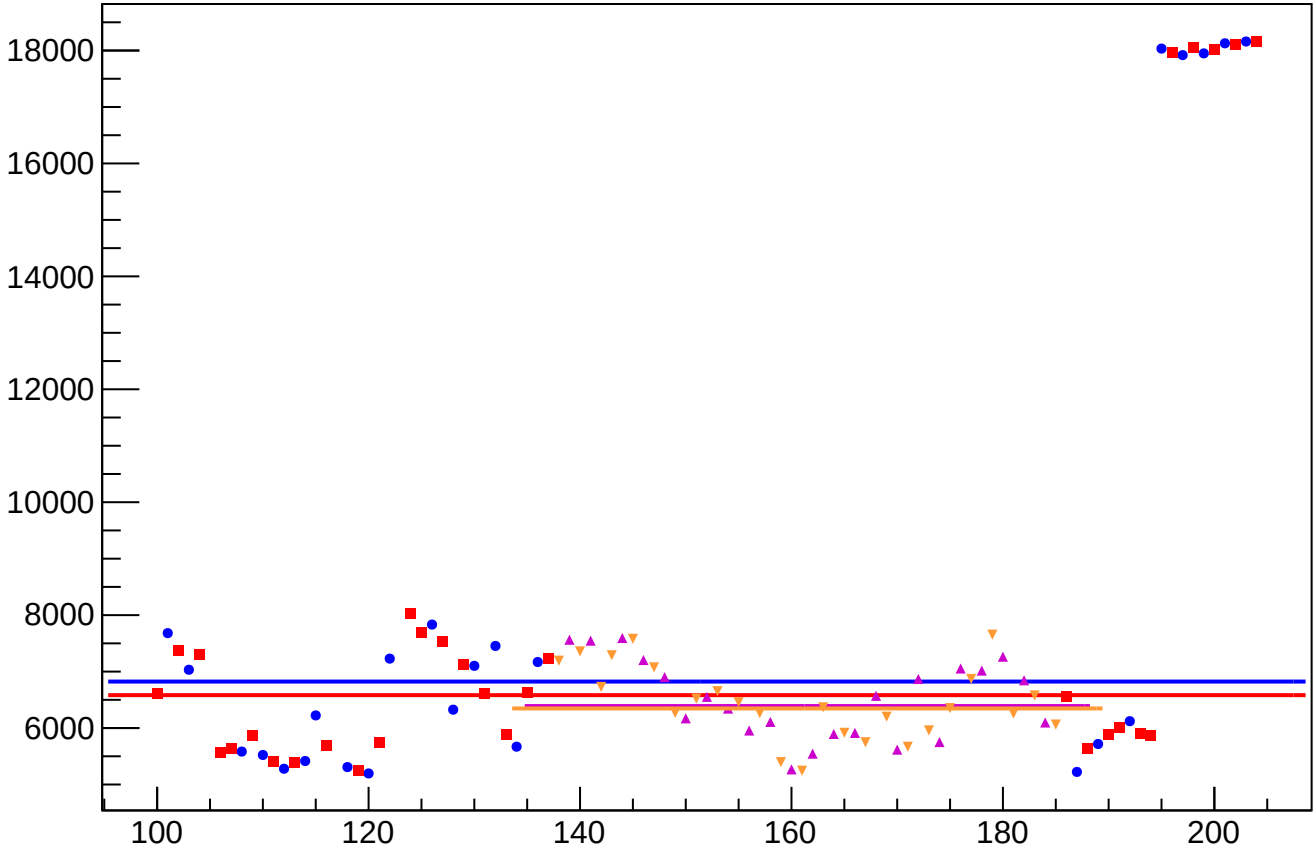
Right: -5.170+/-1.350 χ^2/NDF: 367.4/53

In: -4.193+/-1.213 χ^2/NDF:209.8/46

Out: -8.651+/-1.134 χ^2/NDF:202.5/54

All: -6.571+/-0.828 χ^2/NDF: 419.5/101

diff_bpm0l06X_rms vs Slug, Sign Corrected



Right In: 6823.463+/-1.439 χ^2/NDF: 3845128.6/23

Left Out: 6347.287+/-1.031 χ^2/NDF:386025.6/24

Right Out: 6582.489+/-1.276 χ^2/NDF: 3924251.7/29

Left In: 6389.425+/-1.068 χ^2/NDF:419756.4/22

Left: 6367.615+/-0.742 χ^2/NDF: 806588.2/47

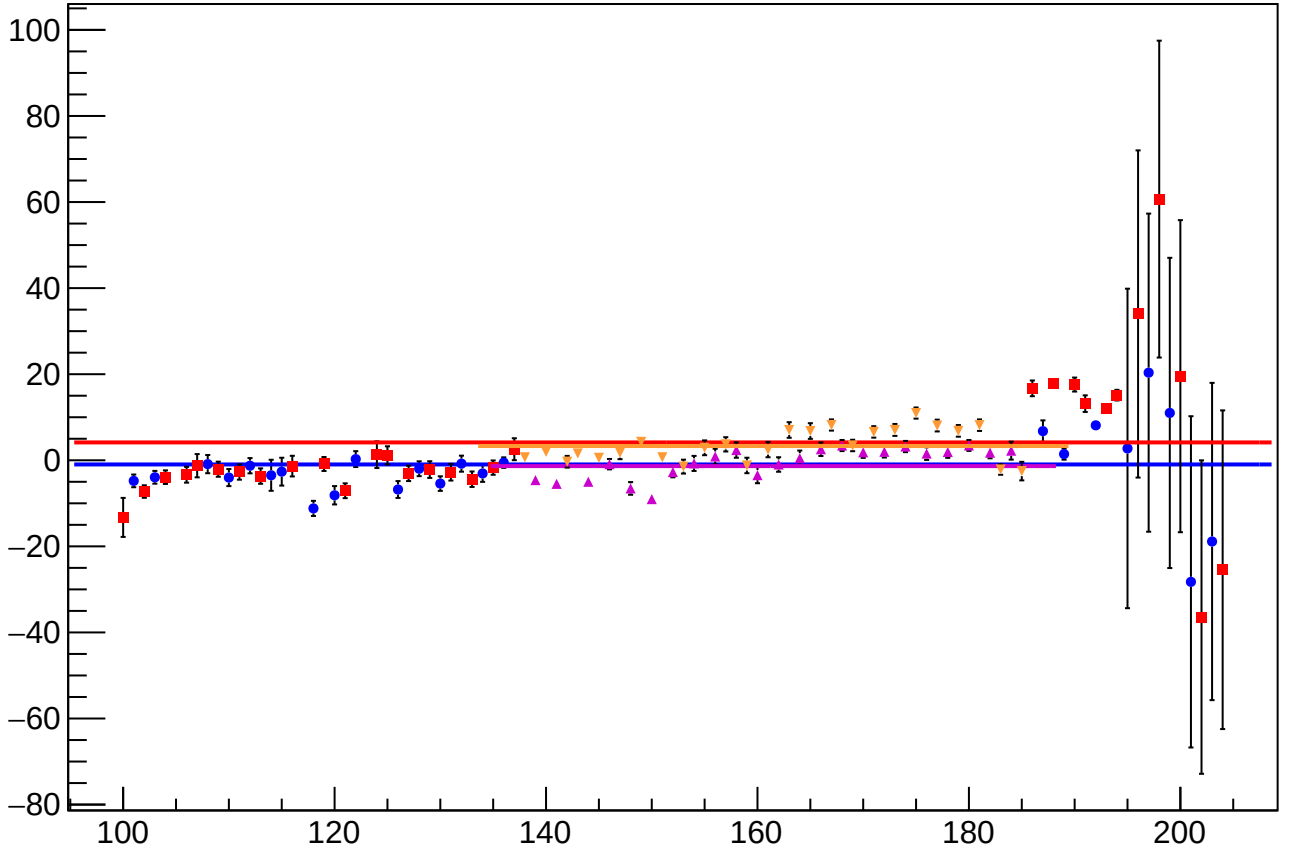
Right: 6688.579+/-0.955 χ^2/NDF: 7785083.7/53

In: 6543.577+/-0.857 χ^2/NDF:4323576.1/46

Out: 6440.172+/-0.802 χ^2/NDF:4330838.5/54

All: 6488.415+/-0.586 χ^2/NDF: 8662173.9/10

diff_bpm0l06Y_mean vs Slug, Sign Corrected



Right In: -0.970+/-0.386 χ^2/NDF: 180.1/23

Left Out: 3.311+/-0.264 χ^2/NDF:177.9/24

Right Out: 4.148+/-0.342 χ^2/NDF: 749.4/29

Left In: -1.355+/-0.277 χ^2/NDF:196.3/22

Left: 1.083+/-0.191 χ^2/NDF: 522.8/47

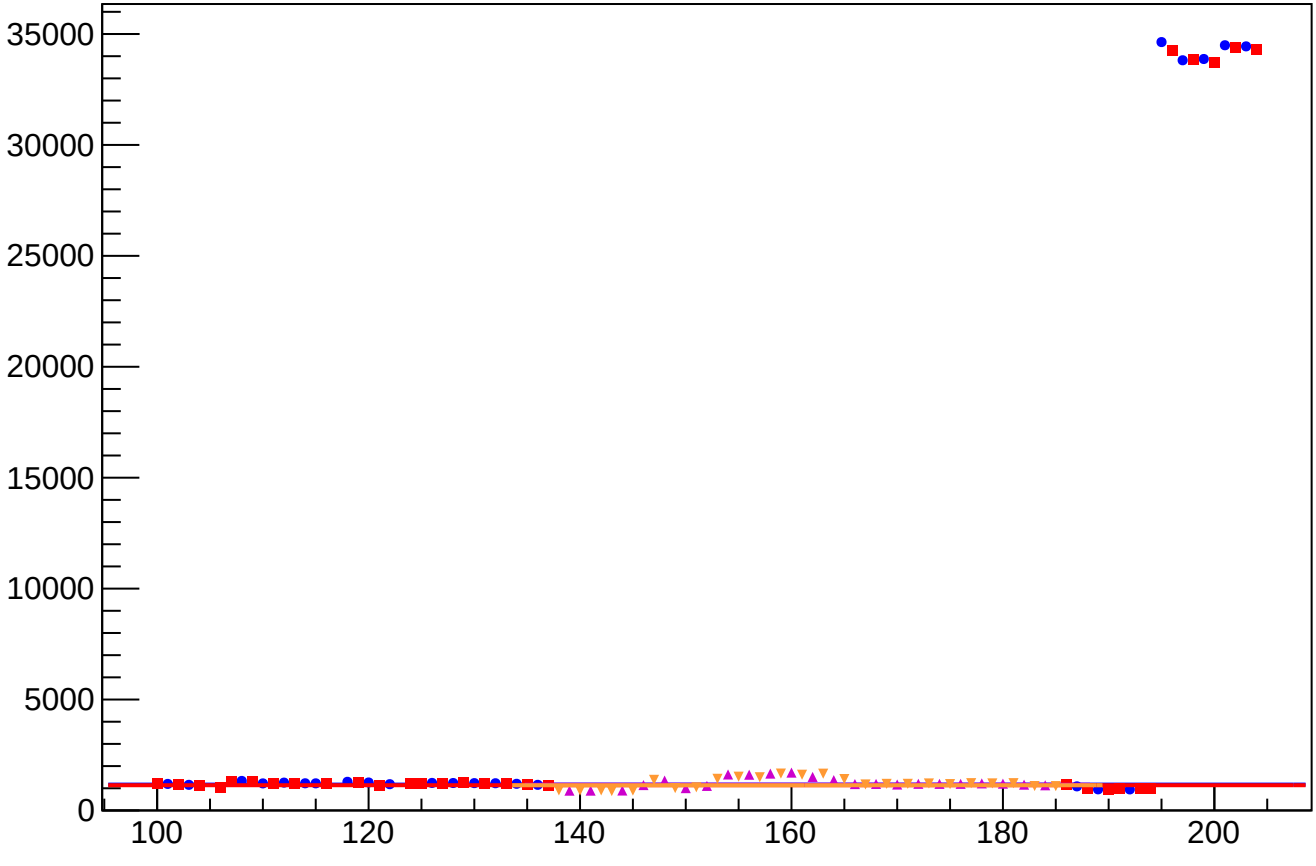
Right: 1.897+/-0.256 χ^2/NDF: 1028.0/53

In: -1.224+/-0.225 χ^2/NDF:377.0/46

Out: 3.624+/-0.209 χ^2/NDF:931.1/54

All: 1.375+/-0.153 χ^2/NDF: 1557.3/101

diff_bpm0l06Y_rms vs Slug, Sign Corrected



Right In: 1165.669+/-0.273 χ^2/NDF: 8169492.0/23

Left Out: 1137.150+/-0.187 χ^2/NDF:1469686.1/24

Right Out: 1137.414+/-0.242 χ^2/NDF: 8207848.1/29

Left In: 1159.432+/-0.196 χ^2/NDF:1259793.6/22

Left: 1147.788+/-0.135 χ^2/NDF: 2736258.7/47

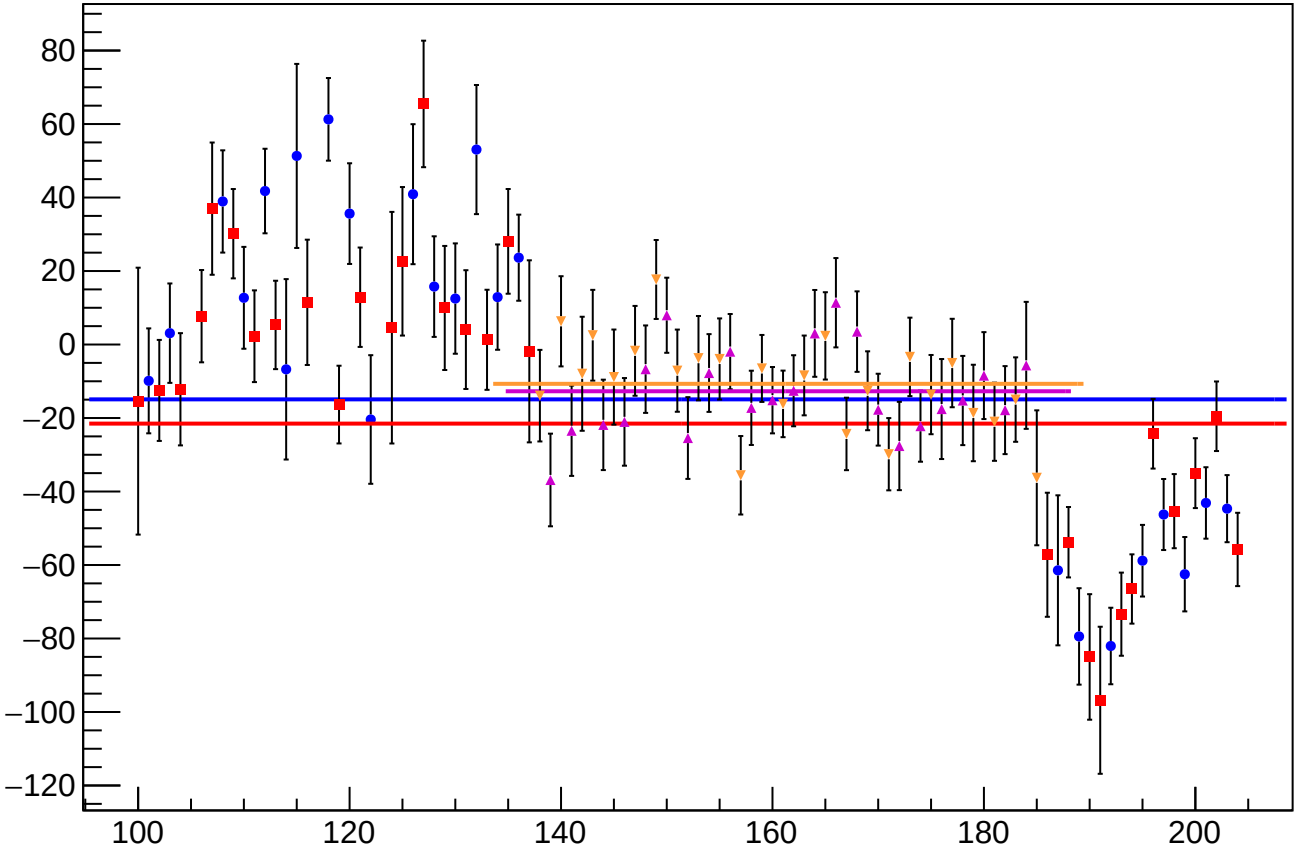
Right: 1149.843+/-0.181 χ^2/NDF: 16383343.5/53

In: 1161.549+/-0.159 χ^2/NDF:9429630.5/46

Out: 1137.249+/-0.148 χ^2/NDF:9677534.9/54

All: 1148.523+/-0.108 χ^2/NDF: 19119684.9/1

diff_bpm0l07X_mean vs Slug, Sign Corrected



Right In: -14.925+/-2.608 χ^2/NDF: 301.2/23

Left Out: -10.696+/-2.257 χ^2/NDF:28.7/24

Right Out: -21.521+/-2.380 χ^2/NDF: 213.6/29

Left In: -12.719+/-2.341 χ^2/NDF:24.0/22

Left: -11.671+/-1.625 χ^2/NDF: 53.1/47

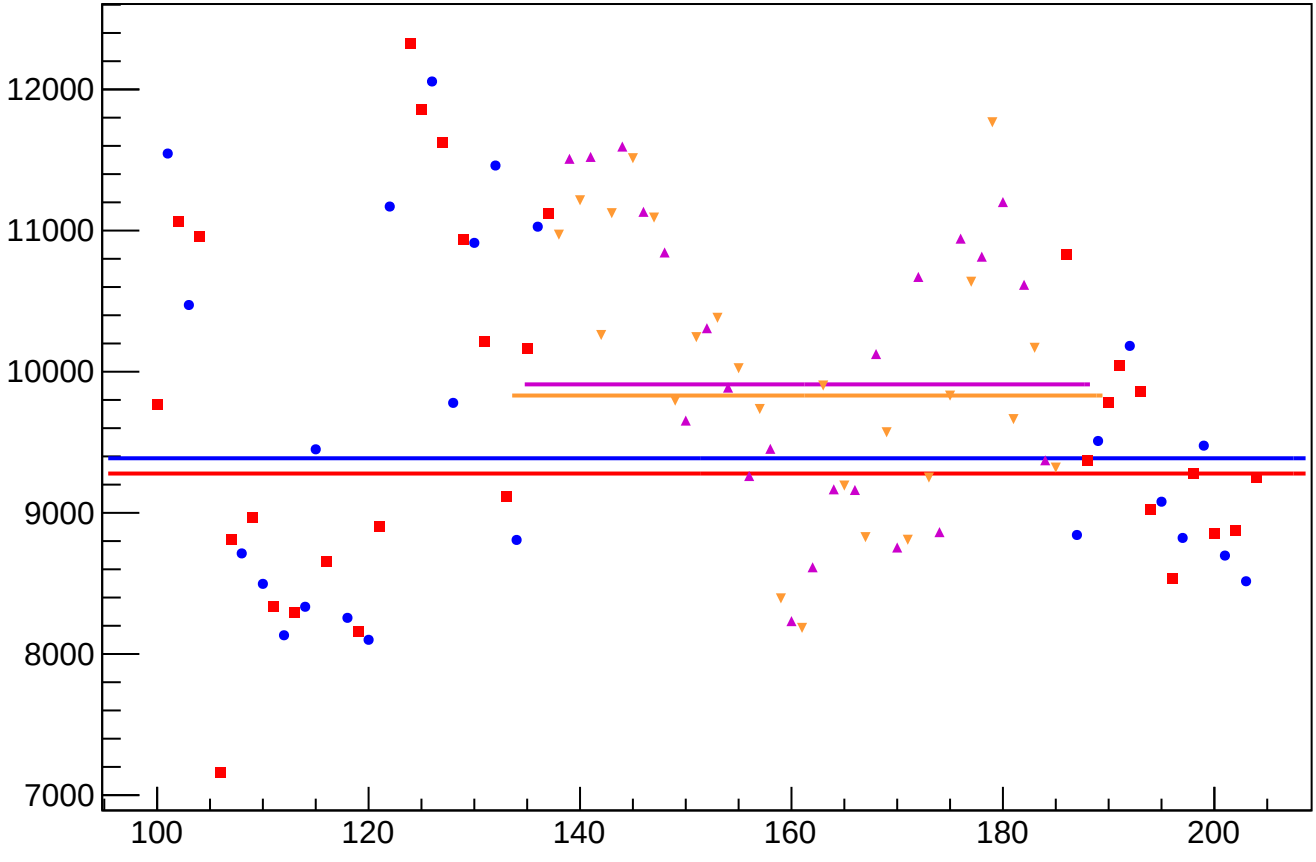
Right: -18.524+/-1.758 χ^2/NDF: 518.3/53

In: -13.703+/-1.742 χ^2/NDF:325.7/46

Out: -15.821+/-1.638 χ^2/NDF:253.2/54

All: -14.828+/-1.193 χ^2/NDF: 579.7/101

diff_bpm0l07X_rms vs Slug, Sign Corrected



Right In: 9386.761+/-1.844 χ^2/NDF: 340091.0/23

Left Out: 9831.301+/-1.596 χ^2/NDF:356125.1/24

Right Out: 9278.575+/-1.683 χ^2/NDF: 351220.7/29

Left In: 9910.300+/-1.655 χ^2/NDF:389368.1/22

Left: 9869.364+/-1.149 χ^2/NDF: 746673.5/47

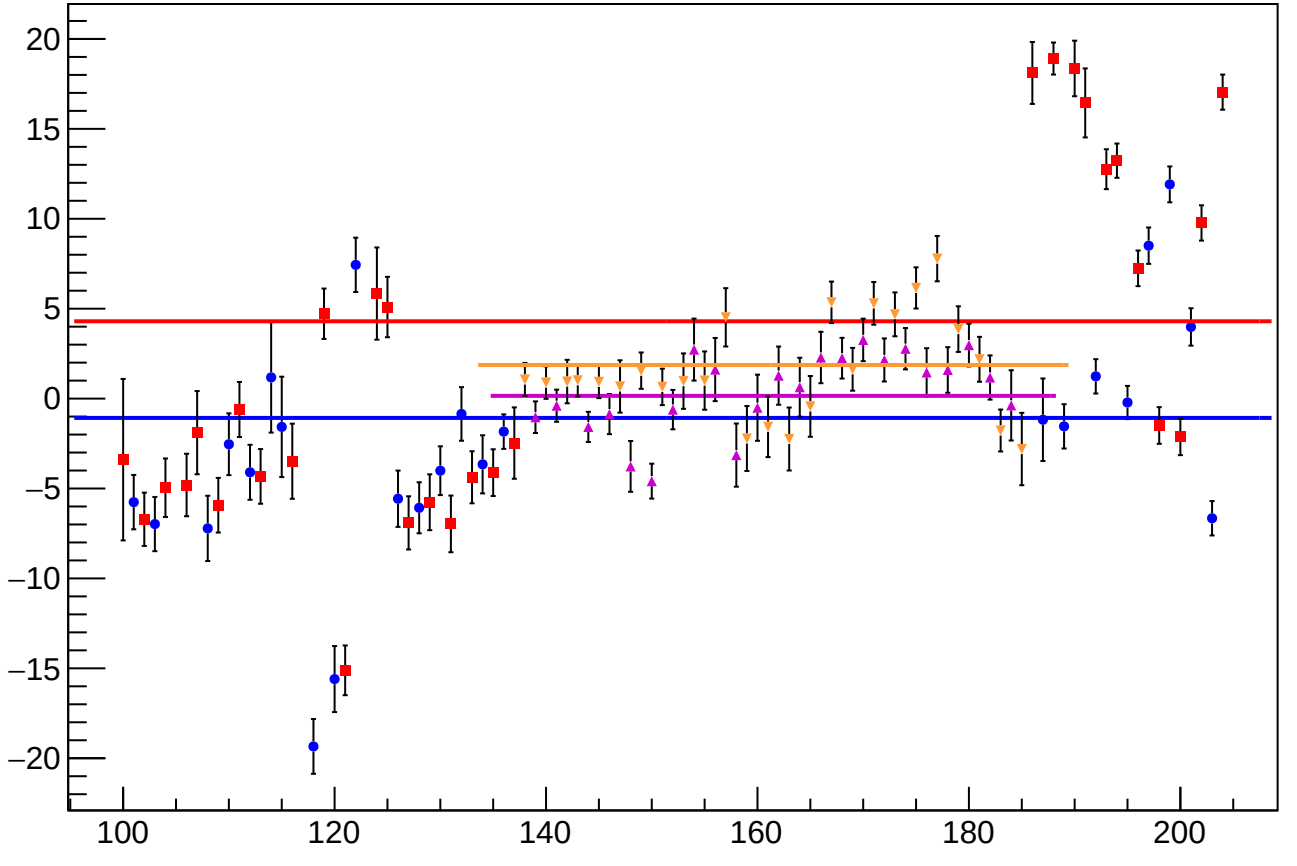
Right: 9327.736+/-1.243 χ^2/NDF: 693188.8/53

In: 9676.745+/-1.232 χ^2/NDF:774087.7/46

Out: 9569.615+/-1.158 χ^2/NDF:764121.8/54

All: 9619.880+/-0.844 χ^2/NDF: 1542223.8/10

diff_bpm0l07Y_mean vs Slug, Sign Corrected



Right In: -1.075+/-0.269 χ^2/NDF: 632.9/23

Left Out: 1.869+/-0.243 χ^2/NDF:103.2/24

Right Out: 4.299+/-0.248 χ^2/NDF: 1550.3/29

Left In: 0.152+/-0.254 χ^2/NDF:75.7/22

Left: 1.051+/-0.176 χ^2/NDF: 202.7/47

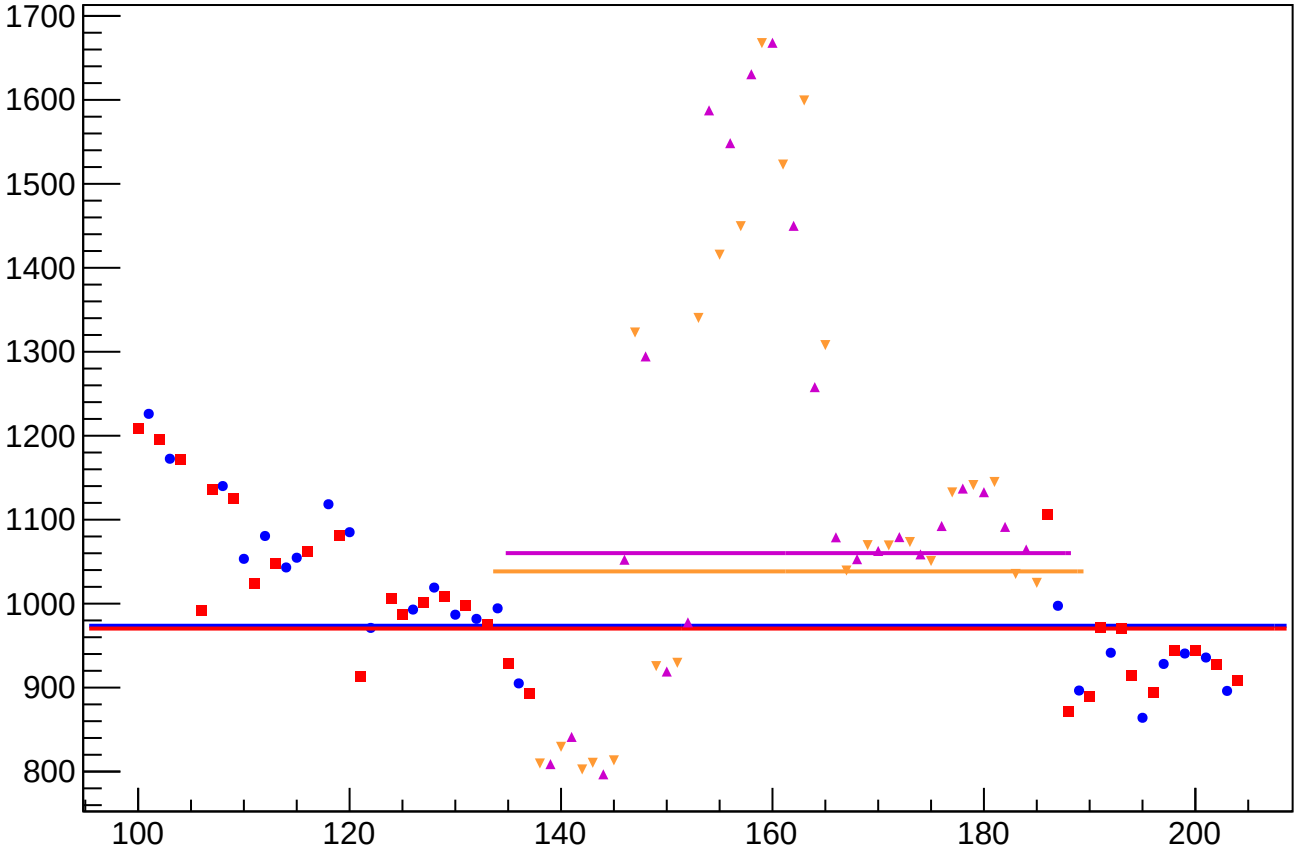
Right: 1.832+/-0.182 χ^2/NDF: 2399.4/53

In: -0.428+/-0.185 χ^2/NDF:719.5/46

Out: 3.059+/-0.173 χ^2/NDF:1702.6/54

All: 1.427+/-0.126 χ^2/NDF: 2611.6/101

diff_bpm0l07Y_rms vs Slug, Sign Corrected



Right In: 973.662+/-0.190 χ^2/NDF: 223503.5/23

Left Out: 1038.406+/-0.172 χ^2/NDF:1706682.8/24

Right Out: 970.314+/-0.175 χ^2/NDF: 225238.4/29

Left In: 1060.162+/-0.180 χ^2/NDF:1523219.9/22

Left: 1048.767+/-0.124 χ^2/NDF: 3237559.4/47

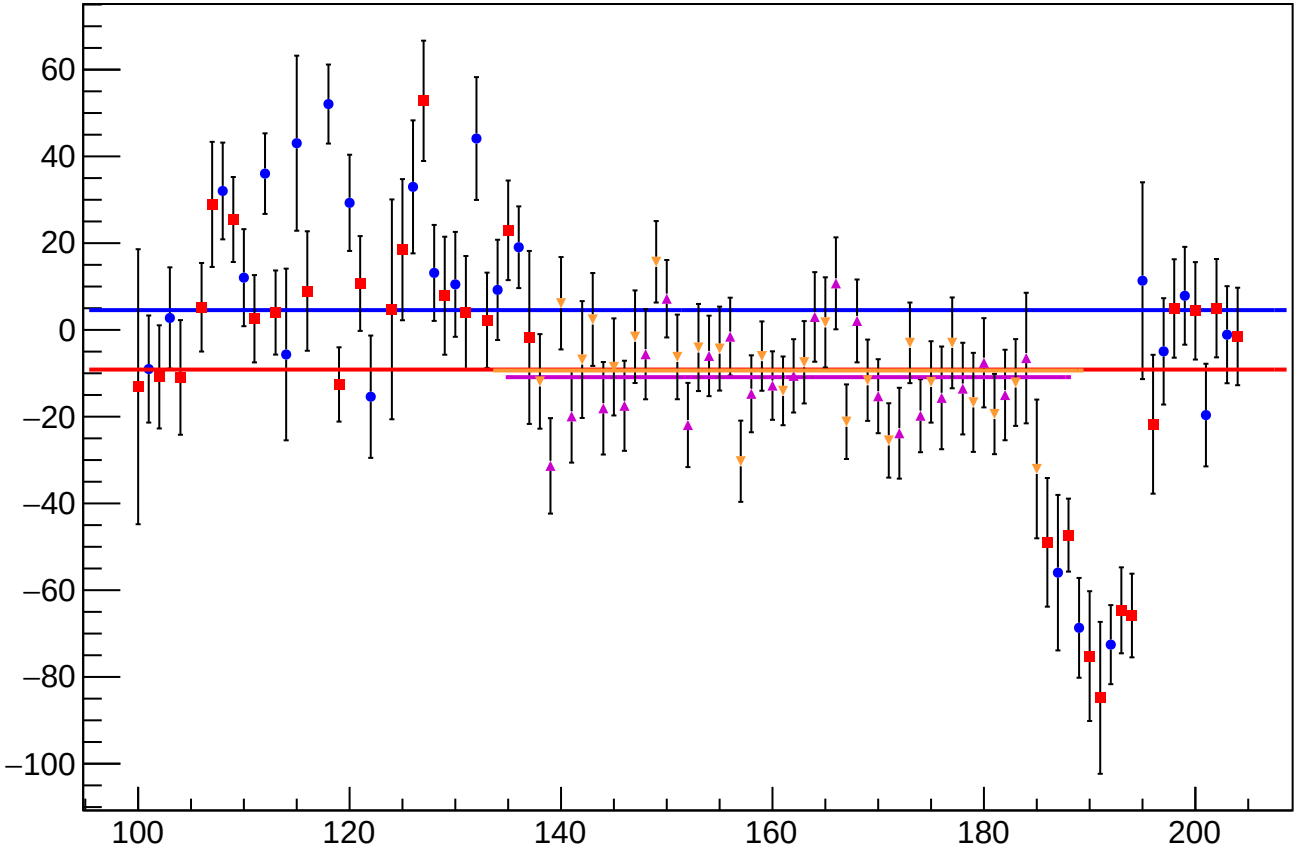
Right: 971.851+/-0.129 χ^2/NDF: 448909.8/53

In: 1019.271+/-0.131 χ^2/NDF:1855957.6/46

Out: 1005.047+/-0.123 χ^2/NDF:2009079.2/54

All: 1011.703+/-0.089 χ^2/NDF: 3871341.8/10

diff_bpm0l08X_mean vs Slug, Sign Corrected



Right In: 4.562+/-2.432 χ^2/NDF: 200.7/23

Left Out: -9.355+/-1.969 χ^2/NDF:28.5/24

Right Out: -9.142+/-2.186 χ^2/NDF: 202.1/29

Left In: -10.892+/-2.043 χ^2/NDF:23.6/22

Left: -10.095+/-1.418 χ^2/NDF: 52.4/47

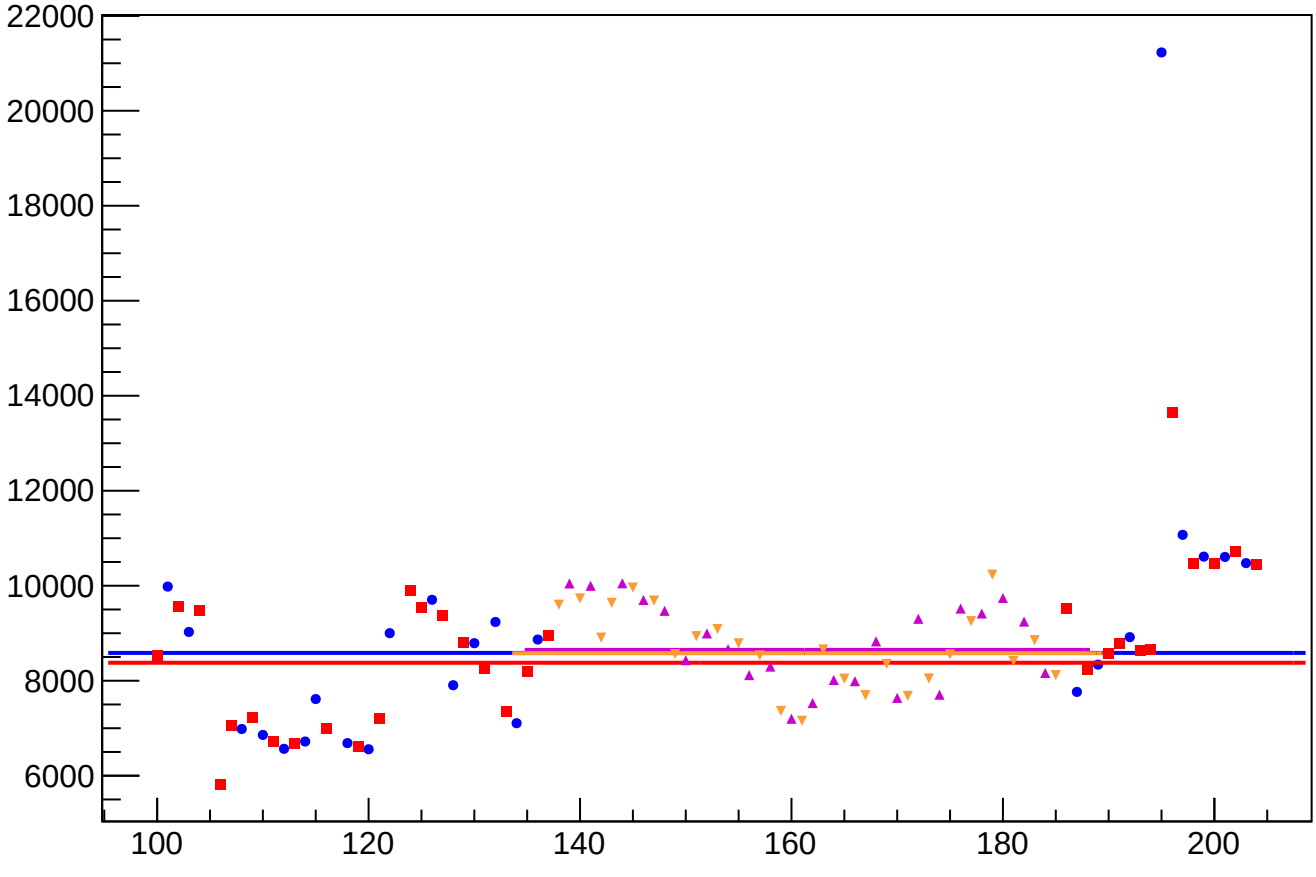
Right: -3.018+/-1.626 χ^2/NDF: 420.3/53

In: -4.500+/-1.564 χ^2/NDF:247.9/46

Out: -9.260+/-1.463 χ^2/NDF:230.6/54

All: -7.039+/-1.068 χ^2/NDF: 483.5/101

diff_bpm0l08X_rms vs Slug, Sign Corrected



Right In: 8585.384+/-1.720 χ^2/NDF: 1338689.9/23

Left Out: 8578.396+/-1.392 χ^2/NDF:343721.1/24

Right Out: 8378.900+/-1.546 χ^2/NDF: 1020133.6/29

Left In: 8649.232+/-1.444 χ^2/NDF:377932.0/22

Left: 8612.520+/-1.002 χ^2/NDF: 722899.8/47

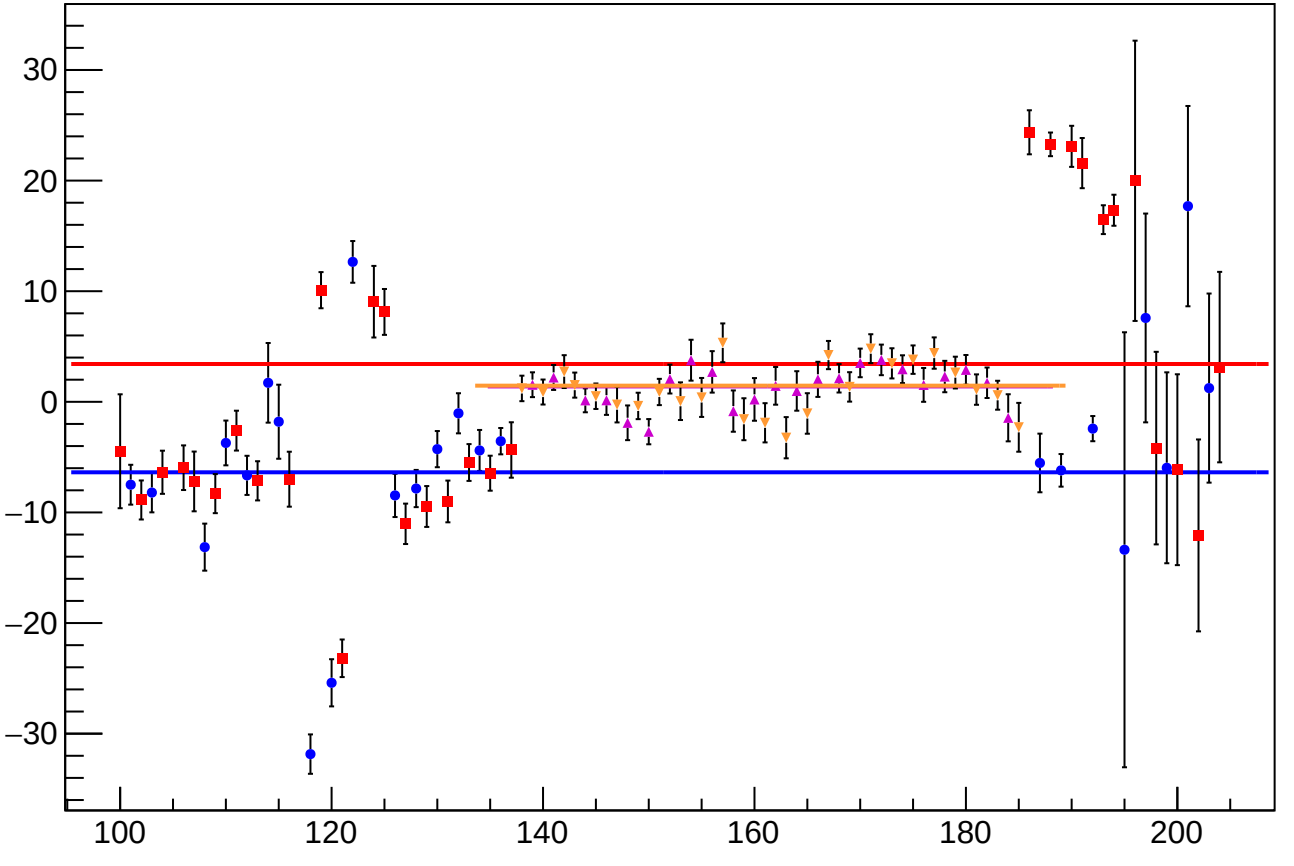
Right: 8471.174+/-1.150 χ^2/NDF: 2366797.4/53

In: 8622.825+/-1.106 χ^2/NDF:1717430.2/46

Out: 8489.032+/-1.035 χ^2/NDF:1373049.8/54

All: 8551.470+/-0.756 χ^2/NDF: 3098284.8/10

diff_bpm0l08Y_mean vs Slug, Sign Corrected



Right In: -6.372+/-0.405 χ^2/NDF: 447.7/23

Left Out: 1.461+/-0.281 χ^2/NDF:51.0/24

Right Out: 3.419+/-0.360 χ^2/NDF: 1561.1/29

Left In: 1.390+/-0.294 χ^2/NDF:35.5/22

Left: 1.427+/-0.203 χ^2/NDF: 86.6/47

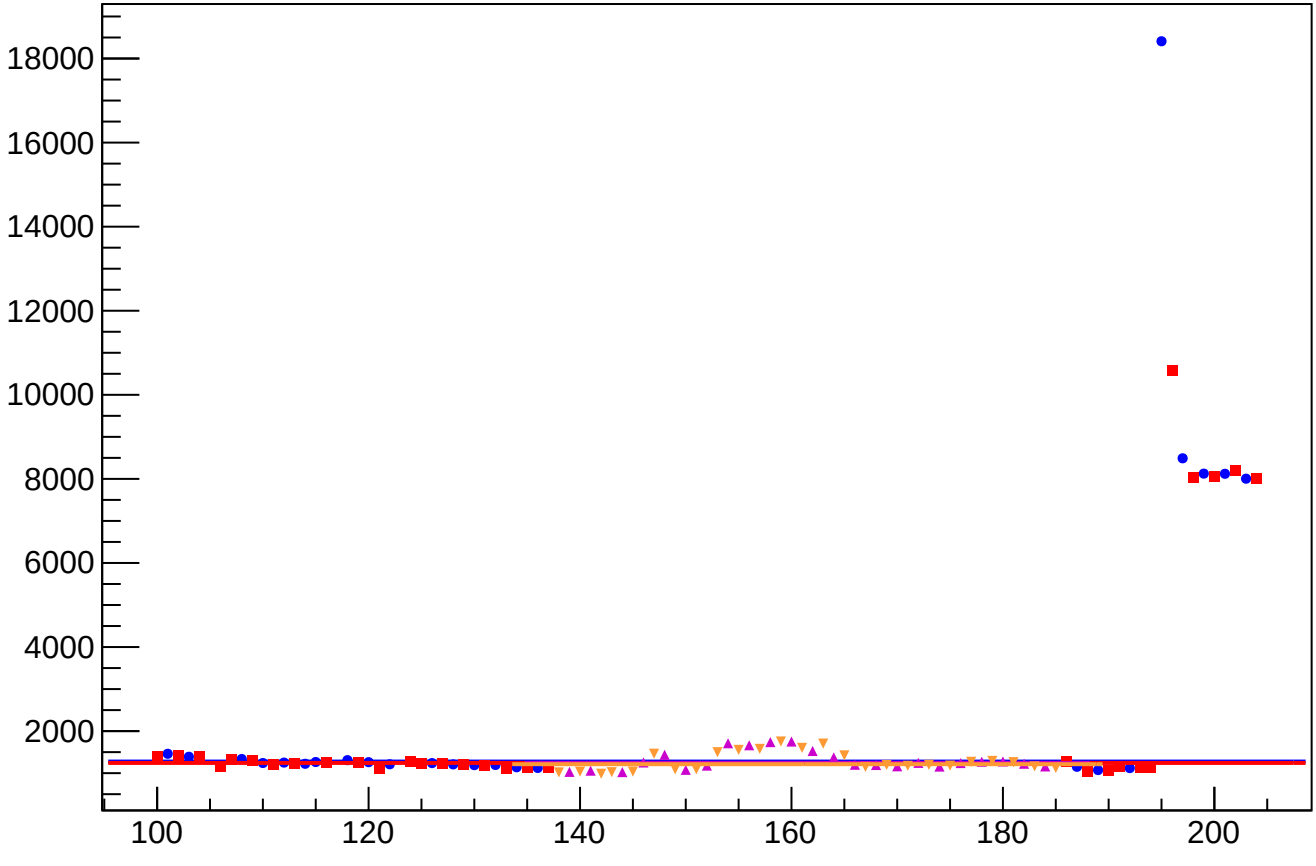
Right: -0.904+/-0.269 χ^2/NDF: 2335.7/53

In: -1.295+/-0.238 χ^2/NDF:723.8/46

Out: 2.201+/-0.221 χ^2/NDF:1630.6/54

All: 0.581+/-0.162 χ^2/NDF: 2470.2/101

diff_bpm0l08Y_rms vs Slug, Sign Corrected



Right In: 1275.661+/-0.286 χ^2/NDF: 6501015.5/23

Left Out: 1213.262+/-0.198 χ^2/NDF:1012762.9/24

Right Out: 1243.501+/-0.254 χ^2/NDF: 6263830.4/29

Left In: 1239.174+/-0.208 χ^2/NDF:885596.7/22

Left: 1225.599+/-0.144 χ^2/NDF: 1906483.7/47

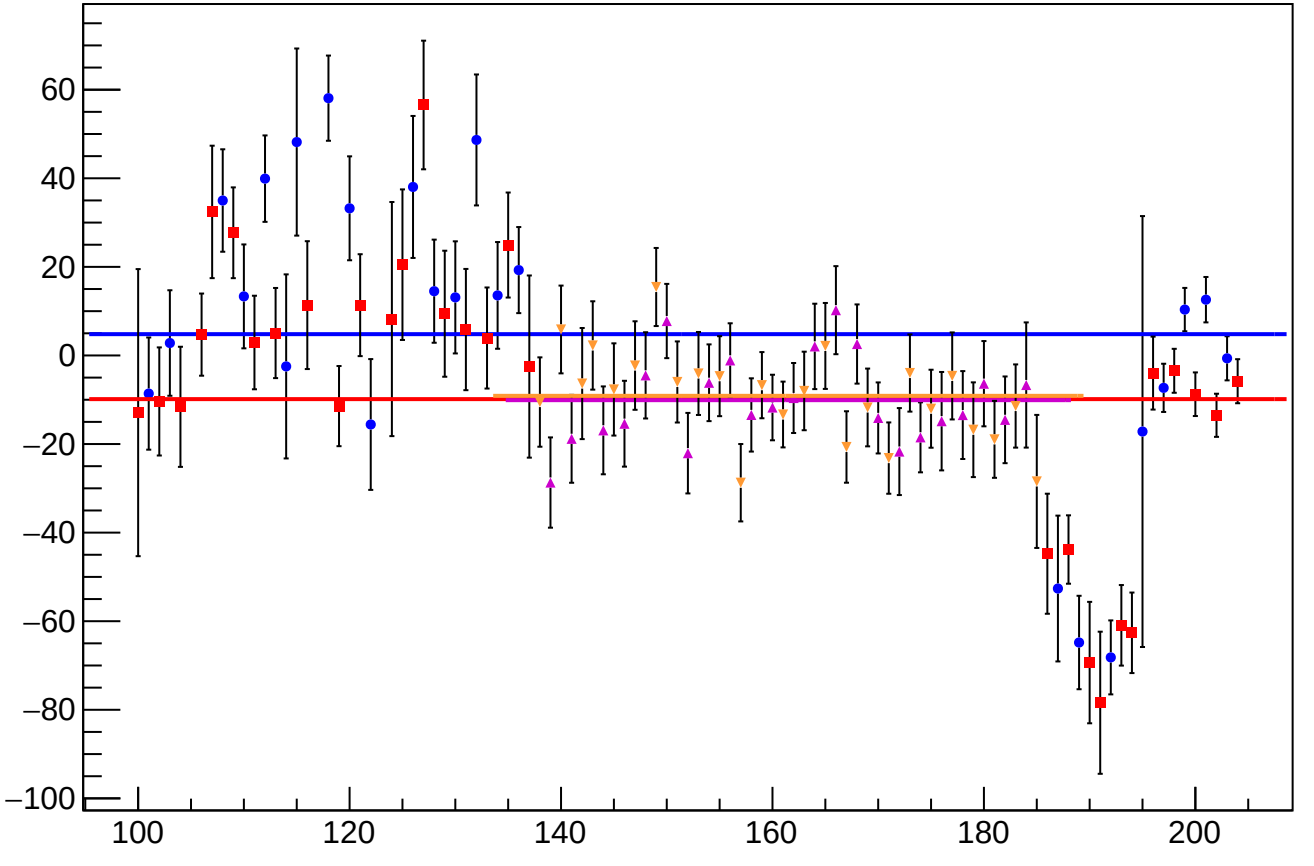
Right: 1257.698+/-0.190 χ^2/NDF: 12771901.5/53

In: 1251.795+/-0.168 χ^2/NDF:7397247.7/46

Out: 1224.696+/-0.156 χ^2/NDF:7285379.9/54

All: 1237.257+/-0.115 χ^2/NDF: 14696538.5/1

diff_bpm0l09X_mean vs Slug, Sign Corrected



Right In: 4.809+/-1.868 χ^2/NDF: 223.3/23

Left Out: -9.114+/-1.842 χ^2/NDF:28.8/24

Right Out: -9.858+/-1.681 χ^2/NDF: 202.8/29

Left In: -10.095+/-1.911 χ^2/NDF:24.3/22

Left: -9.587+/-1.326 χ^2/NDF: 53.2/47

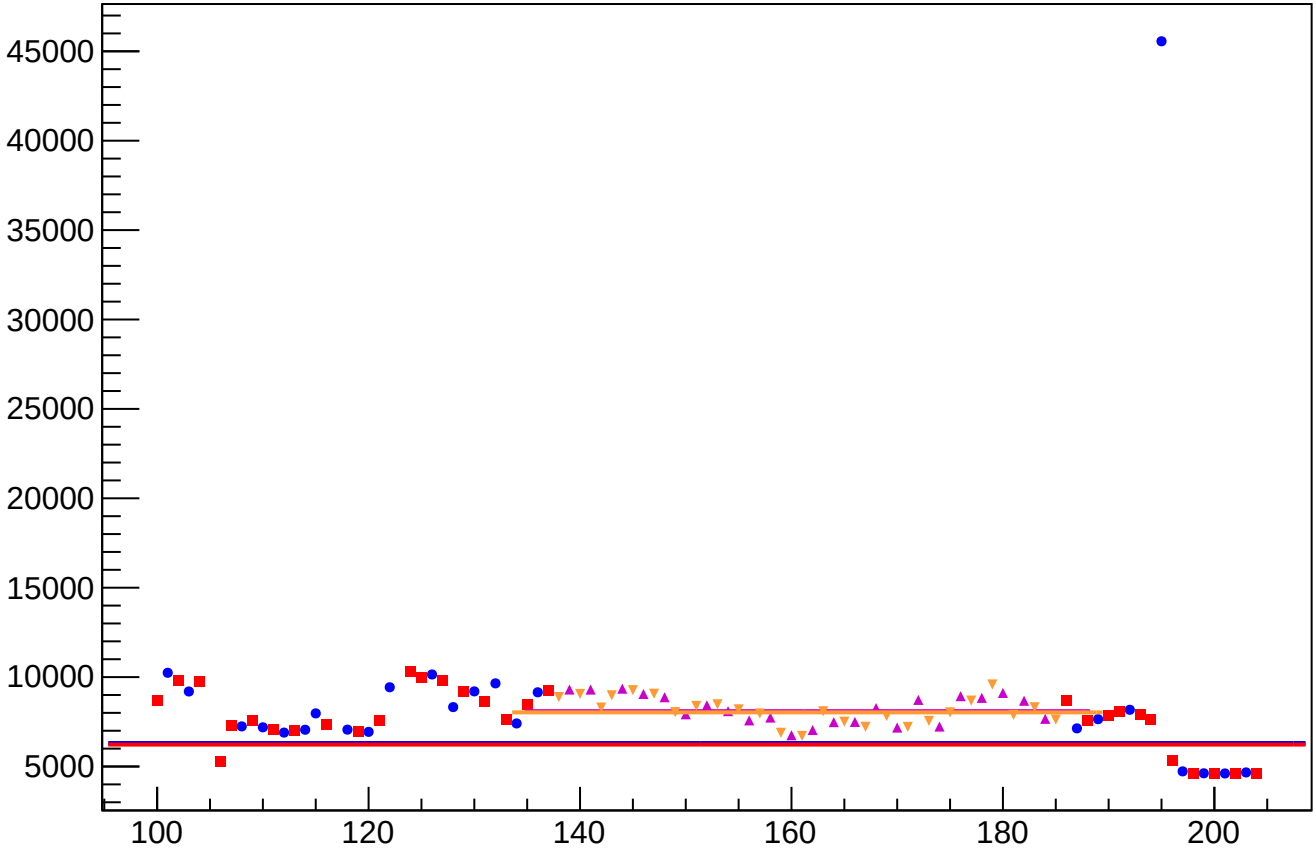
Right: -3.293+/-1.250 χ^2/NDF: 460.1/53

In: -2.471+/-1.336 χ^2/NDF:278.7/46

Out: -9.520+/-1.242 χ^2/NDF:231.6/54

All: -6.252+/-0.910 χ^2/NDF: 525.2/101

diff_bpm0l09X_rms vs Slug, Sign Corrected



Right In: 6313.937+/-1.321 χ^2/NDF: 3315092.0/23

Left Out: 8028.056+/-1.303 χ^2/NDF:332457.9/24

Right Out: 6226.028+/-1.189 χ^2/NDF: 2208283.6/29

Left In: 8095.368+/-1.351 χ^2/NDF:367451.5/22

Left: 8060.478+/-0.938 χ^2/NDF: 701195.2/47

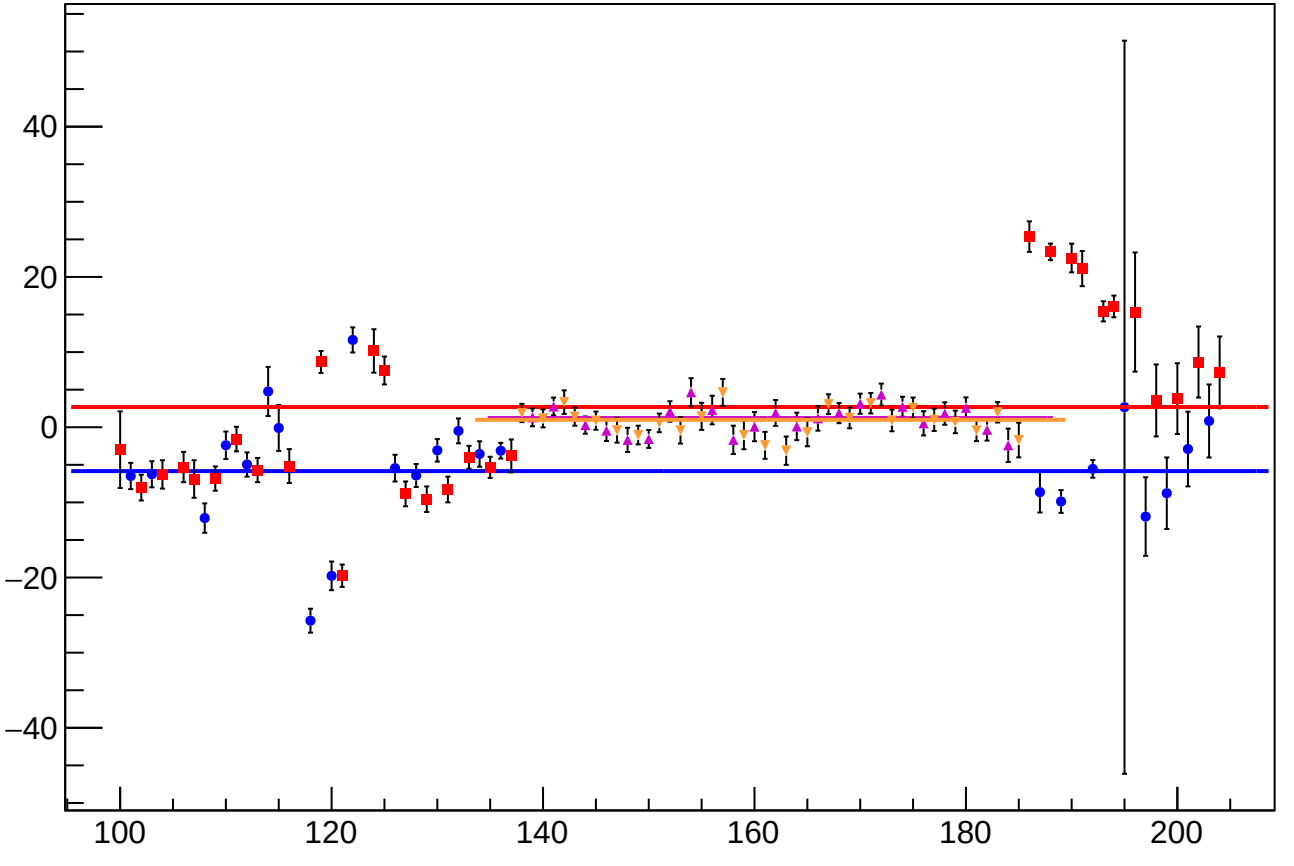
Right: 6265.375+/-0.884 χ^2/NDF: 5525823.2/53

In: 7184.111+/-0.945 χ^2/NDF:4571326.1/46

Out: 7044.735+/-0.878 χ^2/NDF:3584720.1/54

All: 7109.352+/-0.643 χ^2/NDF: 8167725.1/10

diff_bpm0l09Y_mean vs Slug, Sign Corrected



Right In: -5.838+/-0.375 χ^2/NDF: 382.6/23

Left Out: 0.988+/-0.292 χ^2/NDF:31.0/24

Right Out: 2.693+/-0.339 χ^2/NDF: 1461.3/29

Left In: 1.219+/-0.307 χ^2/NDF:33.1/22

Left: 1.098+/-0.212 χ^2/NDF: 64.4/47

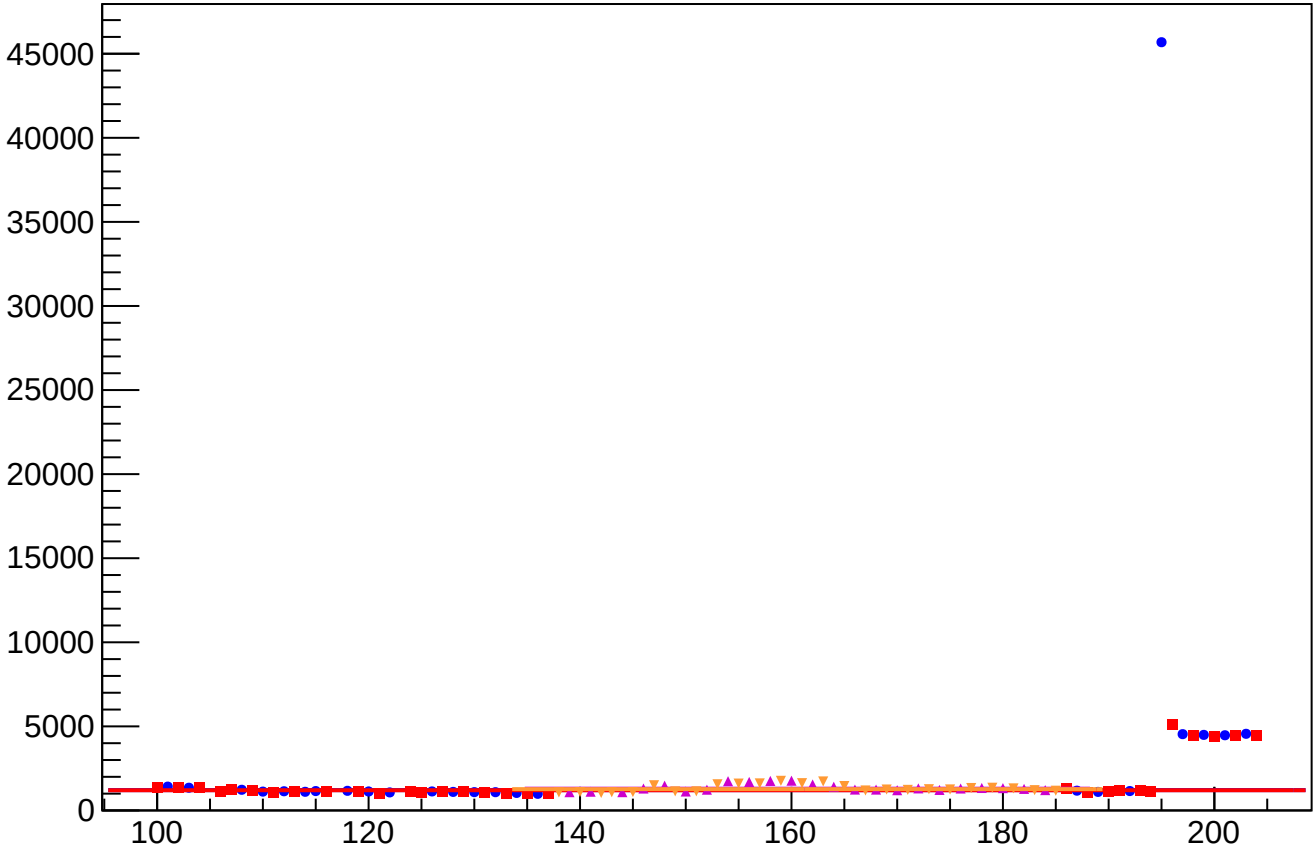
Right: -1.147+/-0.252 χ^2/NDF: 2128.4/53

In: -1.607+/-0.237 χ^2/NDF:628.0/46

Out: 1.715+/-0.221 χ^2/NDF:1506.8/54

All: 0.169+/-0.162 χ^2/NDF: 2239.5/101

diff_bpm0l09Y_rms vs Slug, Sign Corrected



Right In: 1210.117+/-0.265 χ^2/NDF: 5468721.7/23

Left Out: 1267.405+/-0.207 χ^2/NDF:878431.8/24

Right Out: 1202.412+/-0.240 χ^2/NDF: 4468428.5/29

Left In: 1294.076+/-0.217 χ^2/NDF:758193.5/22

Left: 1280.108+/-0.150 χ^2/NDF: 1644552.9/47

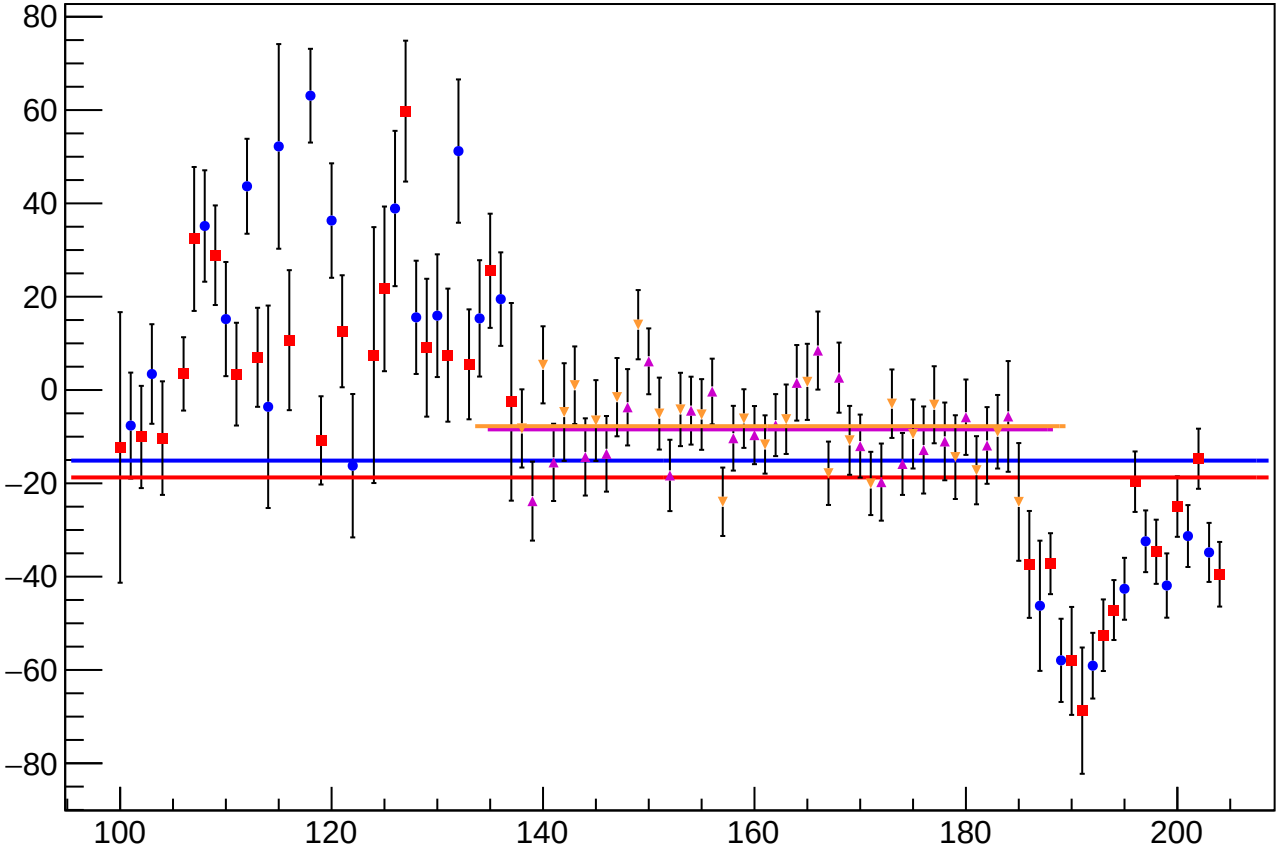
Right: 1205.880+/-0.178 χ^2/NDF: 9937614.4/53

In: 1260.447+/-0.168 χ^2/NDF:6286997.7/46

Out: 1239.712+/-0.157 χ^2/NDF:5388976.3/54

All: 1249.362+/-0.115 χ^2/NDF: 11684133.0/1

diff_bpm0l10X_mean vs Slug, Sign Corrected



Right In: -15.130+/-1.985 χ^2/NDF: 329.3/23

Left Out: -7.752+/-1.547 χ^2/NDF:30.4/24

Right Out: -18.736+/-1.772 χ^2/NDF: 209.9/29

Left In: -8.438+/-1.605 χ^2/NDF:24.8/22

Left: -8.082+/-1.114 χ^2/NDF: 55.3/47

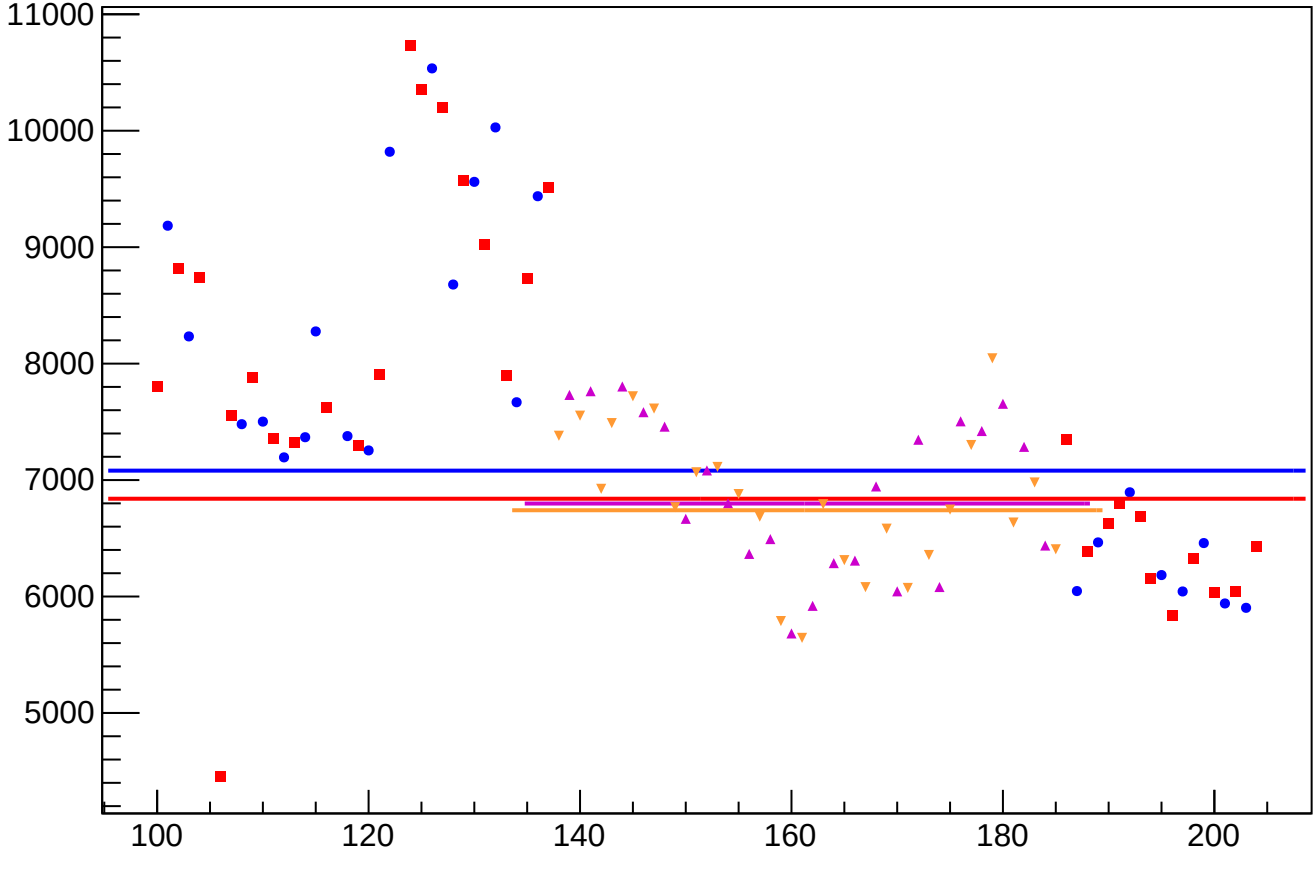
Right: -17.136+/-1.322 χ^2/NDF: 541.0/53

In: -11.083+/-1.248 χ^2/NDF:361.0/46

Out: -12.502+/-1.165 χ^2/NDF:262.1/54

All: -11.841+/-0.852 χ^2/NDF: 623.8/101

diff_bpm0l10X_rms vs Slug, Sign Corrected



Right In: 7081.009+/-1.403 χ^2/NDF: 801651.6/23

Left Out: 6740.835+/-1.094 χ^2/NDF:316707.6/24

Right Out: 6839.767+/-1.253 χ^2/NDF: 952484.1/29

Left In: 6798.524+/-1.135 χ^2/NDF:353277.6/22

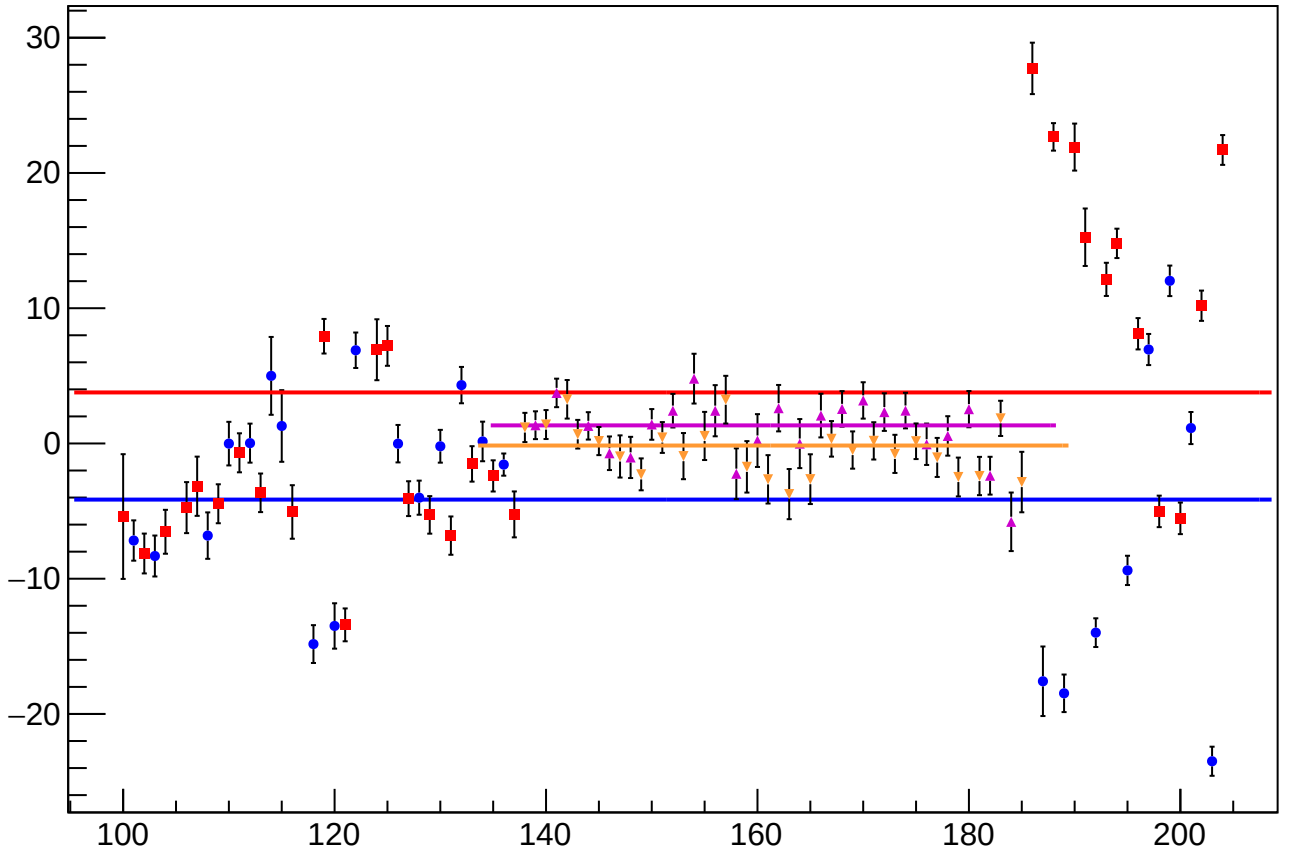
Left: 6768.617+/-0.787 χ^2/NDF: 671325.3/47

Right: 6946.753+/-0.935 χ^2/NDF: 1770578.5/53

In: 6910.179+/-0.882 χ^2/NDF:1179428.4/46

Out: 6783.618+/-0.824 χ^2/NDF:1272730.7/54

All: 6842.566+/-0.602 χ^2/NDF: 2463150.1/10



Right In: -4.150+/-0.270 χ^2/NDF: 1166.0/23

Left Out: -0.152+/-0.277 χ^2/NDF:36.1/24

Right Out: 3.773+/-0.254 χ^2/NDF: 1879.9/29

Left In: 1.337+/-0.290 χ^2/NDF:44.0/22

Left: 0.557+/-0.200 χ^2/NDF: 93.9/47

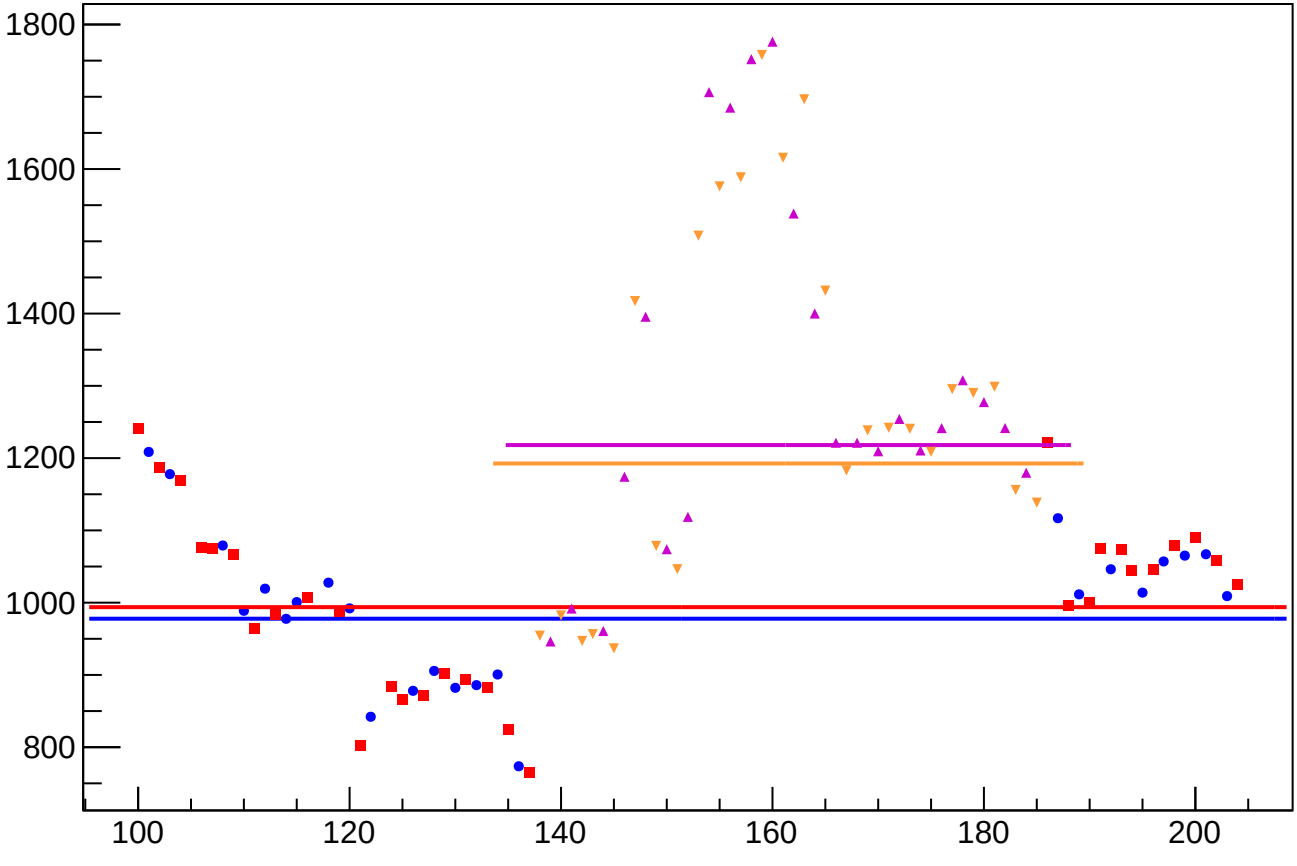
Right: 0.058+/-0.185 χ^2/NDF: 3501.6/53

In: -1.599+/-0.198 χ^2/NDF:1401.4/46

Out: 1.977+/-0.187 χ^2/NDF:2025.1/54

All: 0.288+/-0.136 χ^2/NDF: 3598.8/101

diff_bpm0l10Y_rms vs Slug, Sign Corrected



Right In: 977.808+/-0.191 χ^2/NDF: 336235.3/23

Left Out: 1192.579+/-0.196 χ^2/NDF:1320181.3/24

Right Out: 993.810+/-0.180 χ^2/NDF: 358290.6/29

Left In: 1218.058+/-0.205 χ^2/NDF:1127896.8/22

Left: 1204.714+/-0.142 χ^2/NDF: 2456154.6/47

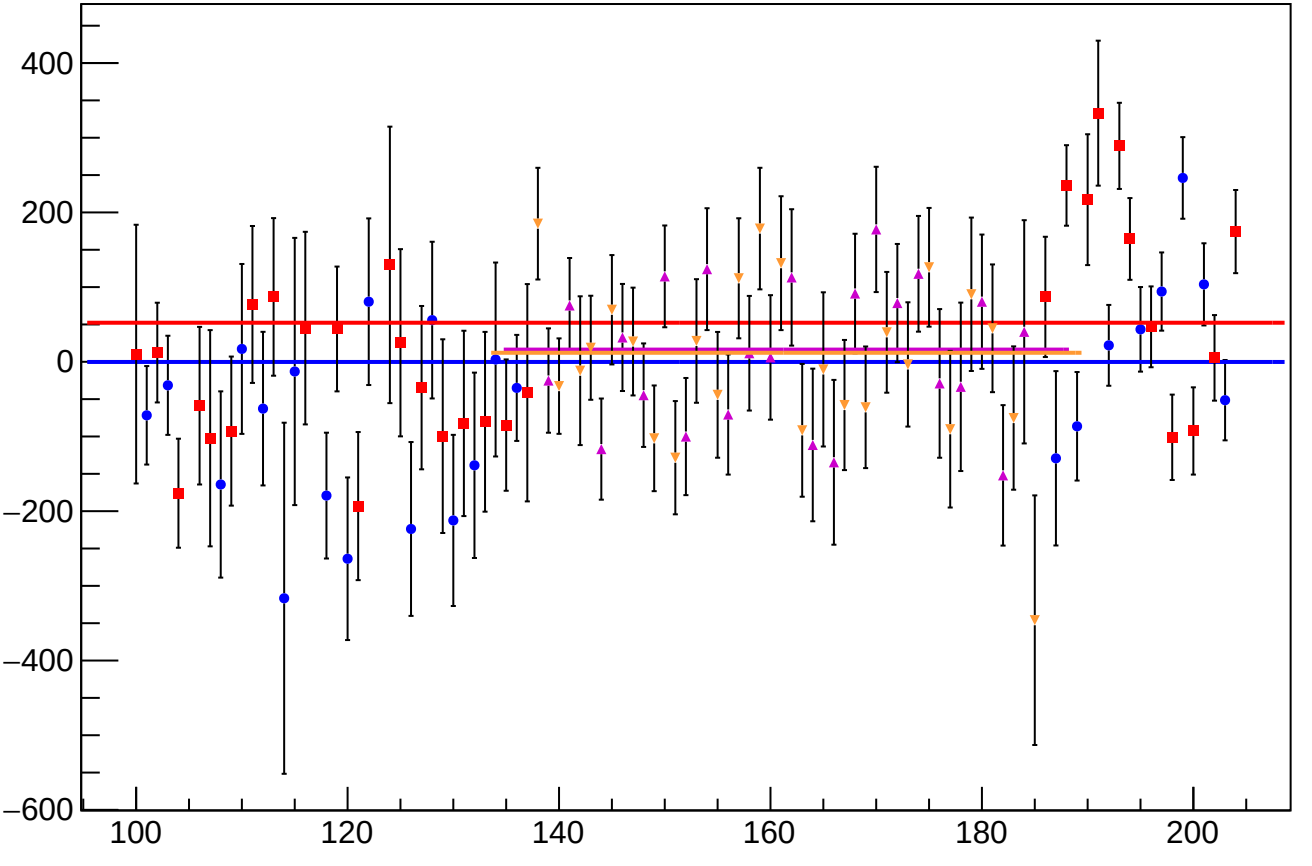
Right: 986.307+/-0.131 χ^2/NDF: 698243.6/53

In: 1089.517+/-0.140 χ^2/NDF:2197754.6/46

Out: 1084.759+/-0.132 χ^2/NDF:2238286.1/54

All: 1087.006+/-0.096 χ^2/NDF: 4436651.0/10

diff_bpm0r03X_mean vs Slug, Sign Corrected



Right In: -0.213+/-16.006 χ^2/NDF: 56.6/23

Left Out: 12.081+/-16.608 χ^2/NDF:32.8/24

Right Out: 52.305+/-14.661 χ^2/NDF: 91.9/29

Left In: 16.339+/-17.018 χ^2/NDF:28.7/22

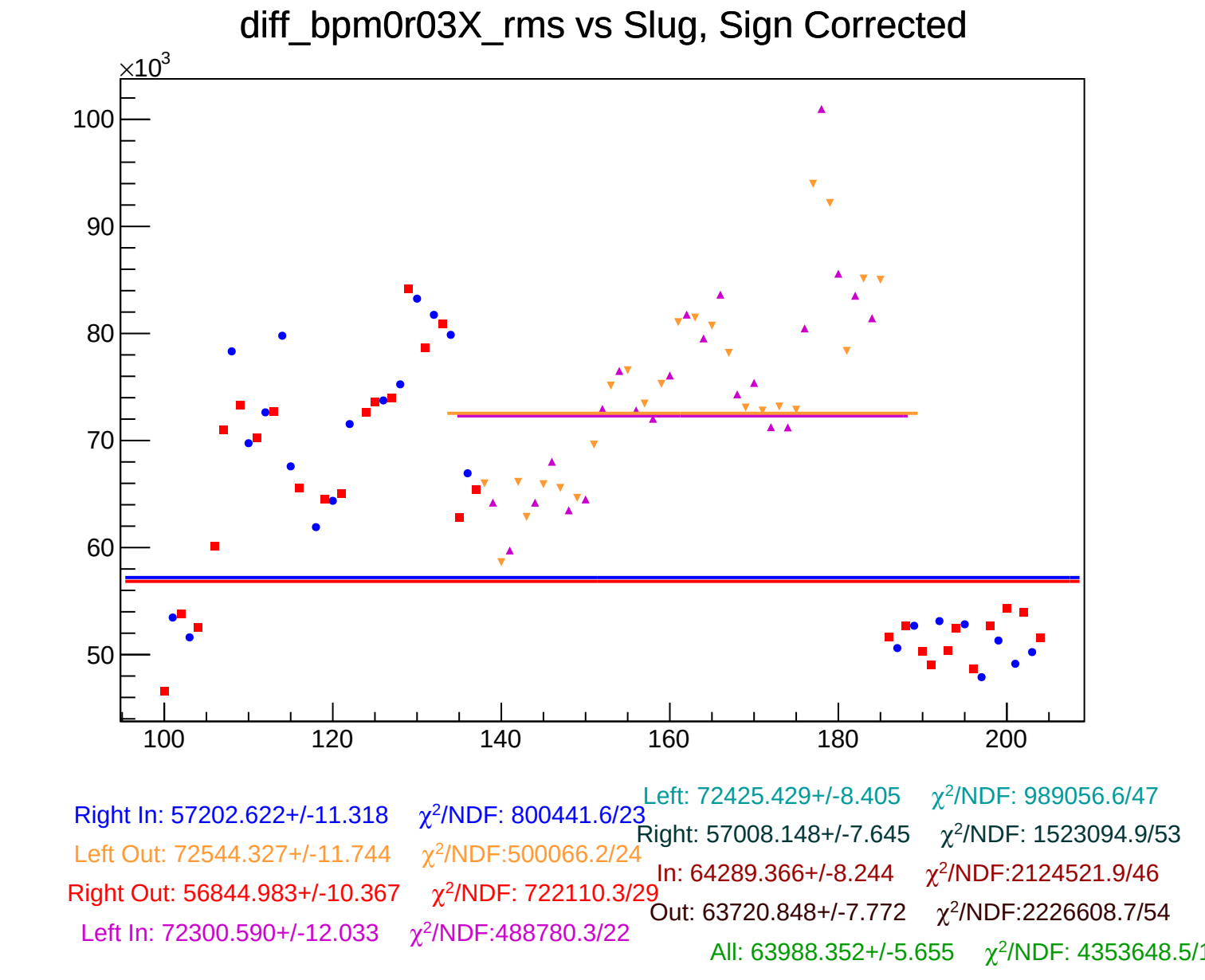
Left: 14.158+/-11.886 χ^2/NDF: 61.5/47

Right: 28.345+/-10.811 χ^2/NDF: 154.4/53

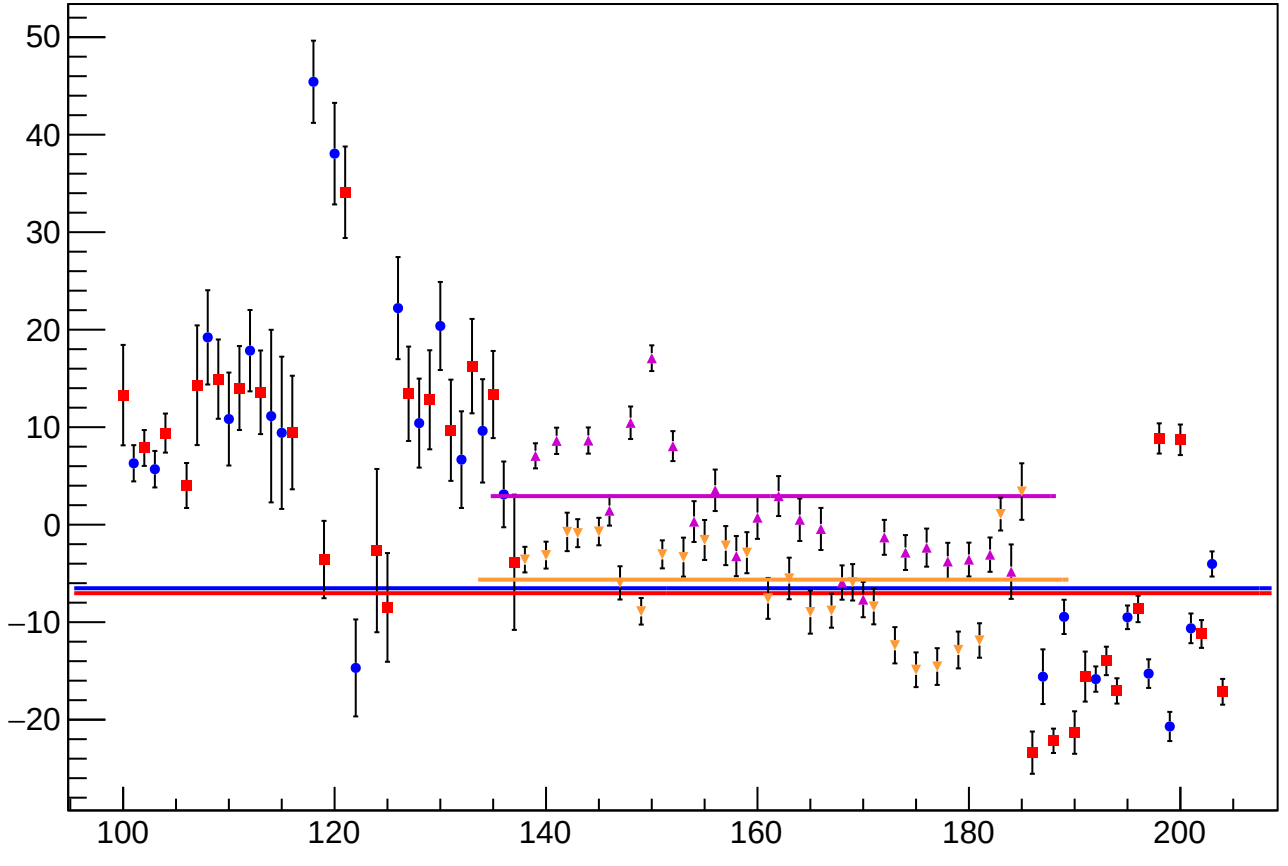
In: 7.556+/-11.659 χ^2/NDF:85.8/46

Out: 34.688+/-10.991 χ^2/NDF:128.0/54

All: 21.922+/-7.998 χ^2/NDF: 216.7/101


diff_bpm0r03X_rms vs Slug, Sign Corrected
×10^3
100
90
80
70
60
50
100
120
140
160
180
200
Right In: 57202.622+/-11.318 χ²/NDF: 800441.6/23
Left Out: 72544.327+/-11.744 χ²/NDF:500066.2/24
Right Out: 56844.983+/-10.367 χ²/NDF: 722110.3/29
Left In: 72300.590+/-12.033 χ²/NDF:488780.3/22
Left: 72425.429+/-8.405 χ²/NDF: 989056.6/47
Right: 57008.148+/-7.645 χ²/NDF: 1523094.9/53
In: 64289.366+/-8.244 χ²/NDF:2124521.9/46
Out: 63720.848+/-7.772 χ²/NDF:2226608.7/54
All: 63988.352+/-5.655 χ²/NDF: 4353648.5/1

diff_bpm0r03Y_mean vs Slug, Sign Corrected



Right In: -6.519+/-0.454 χ^2/NDF: 712.8/23

Left Out: -5.636+/-0.349 χ^2/NDF:178.2/24

Right Out: -7.028+/-0.405 χ^2/NDF: 1047.9/29

Left In: 2.929+/-0.362 χ^2/NDF:337.4/22

Left: -1.513+/-0.251 χ^2/NDF: 805.4/47

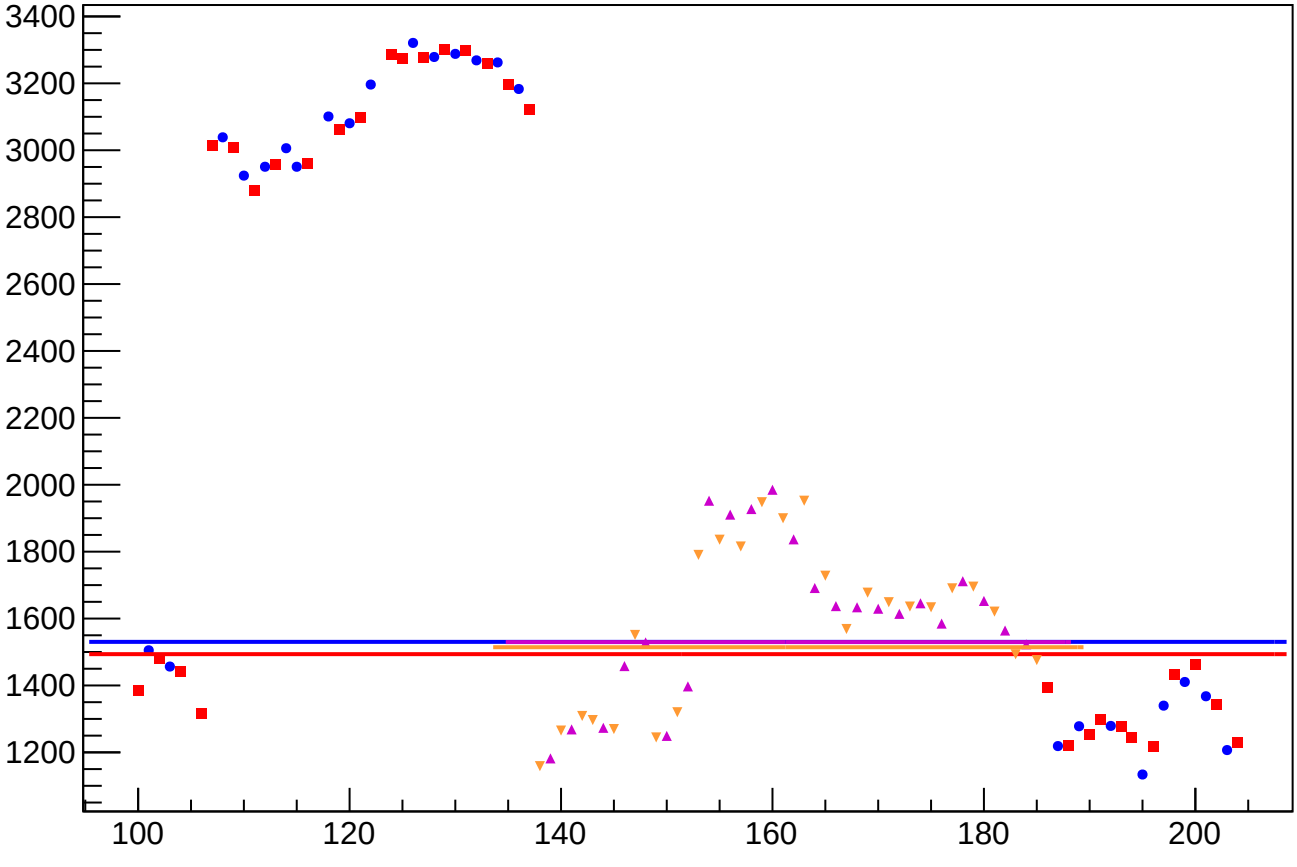
Right: -6.802+/-0.302 χ^2/NDF: 1761.3/53

In: -0.745+/-0.283 χ^2/NDF:1314.6/46

Out: -6.229+/-0.264 χ^2/NDF:1232.8/54

All: -3.675+/-0.193 χ^2/NDF: 2747.8/101

diff_bpm0r03Y_rms vs Slug, Sign Corrected



Right In: 1530.328+/-0.321 χ^2/NDF: 3722389.7/23

Left Out: 1514.334+/-0.247 χ^2/NDF:933332.1/24

Right Out: 1493.601+/-0.286 χ^2/NDF: 3699248.6/29

Left In: 1529.635+/-0.256 χ^2/NDF:828481.7/22

Left: 1521.700+/-0.178 χ^2/NDF: 1763664.0/47

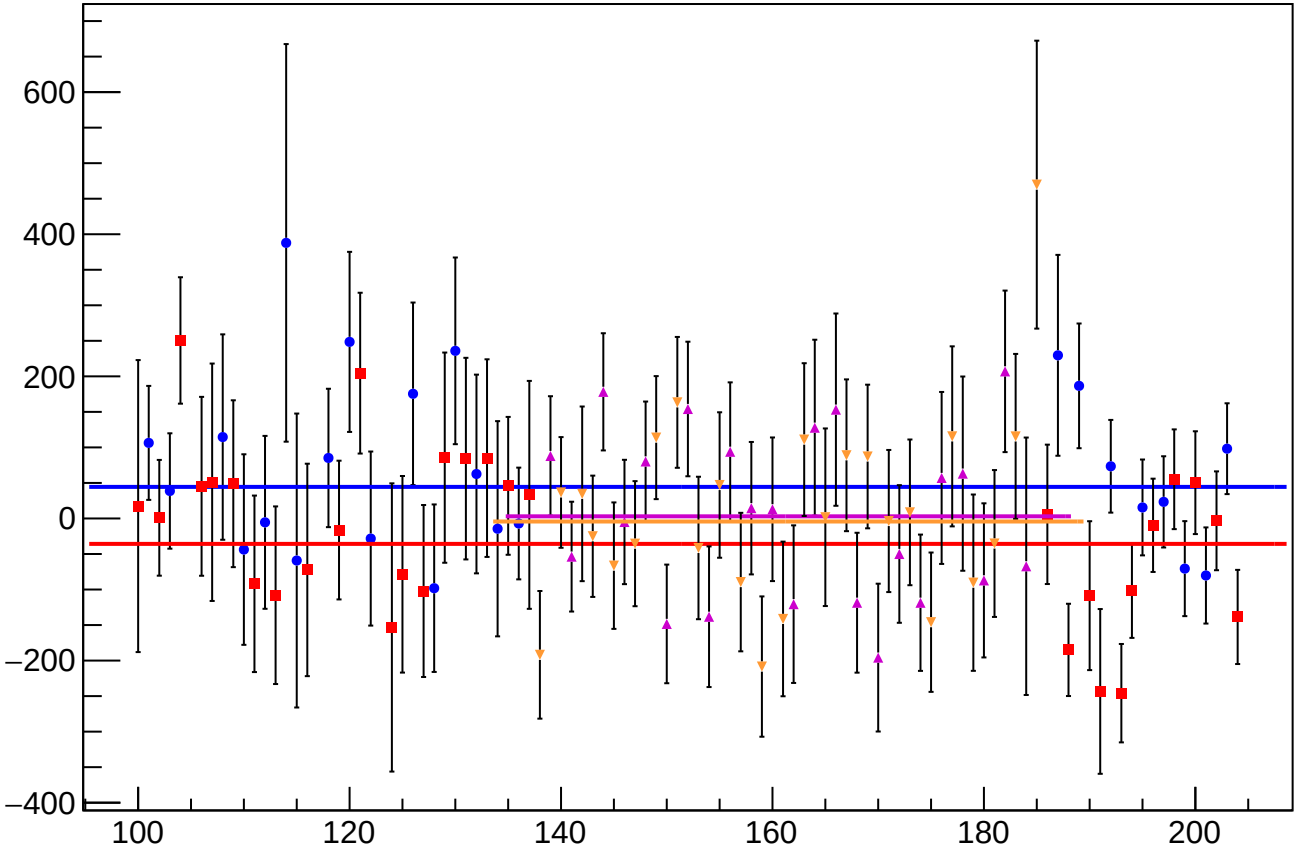
Right: 1509.870+/-0.214 χ^2/NDF: 7428924.5/53

In: 1529.904+/-0.200 χ^2/NDF:4550874.3/46

Out: 1505.498+/-0.187 χ^2/NDF:4635588.4/54

All: 1516.863+/-0.137 χ^2/NDF: 9194399.7/10

diff_bpm0r05X_mean vs Slug, Sign Corrected



Right In: 44.437+/-19.033 χ^2/NDF: 23.4/23

Left Out: -4.274+/-20.240 χ^2/NDF:30.4/24

Right Out: -35.772+/-17.489 χ^2/NDF: 46.0/29

Left In: 3.017+/-20.720 χ^2/NDF:30.7/22

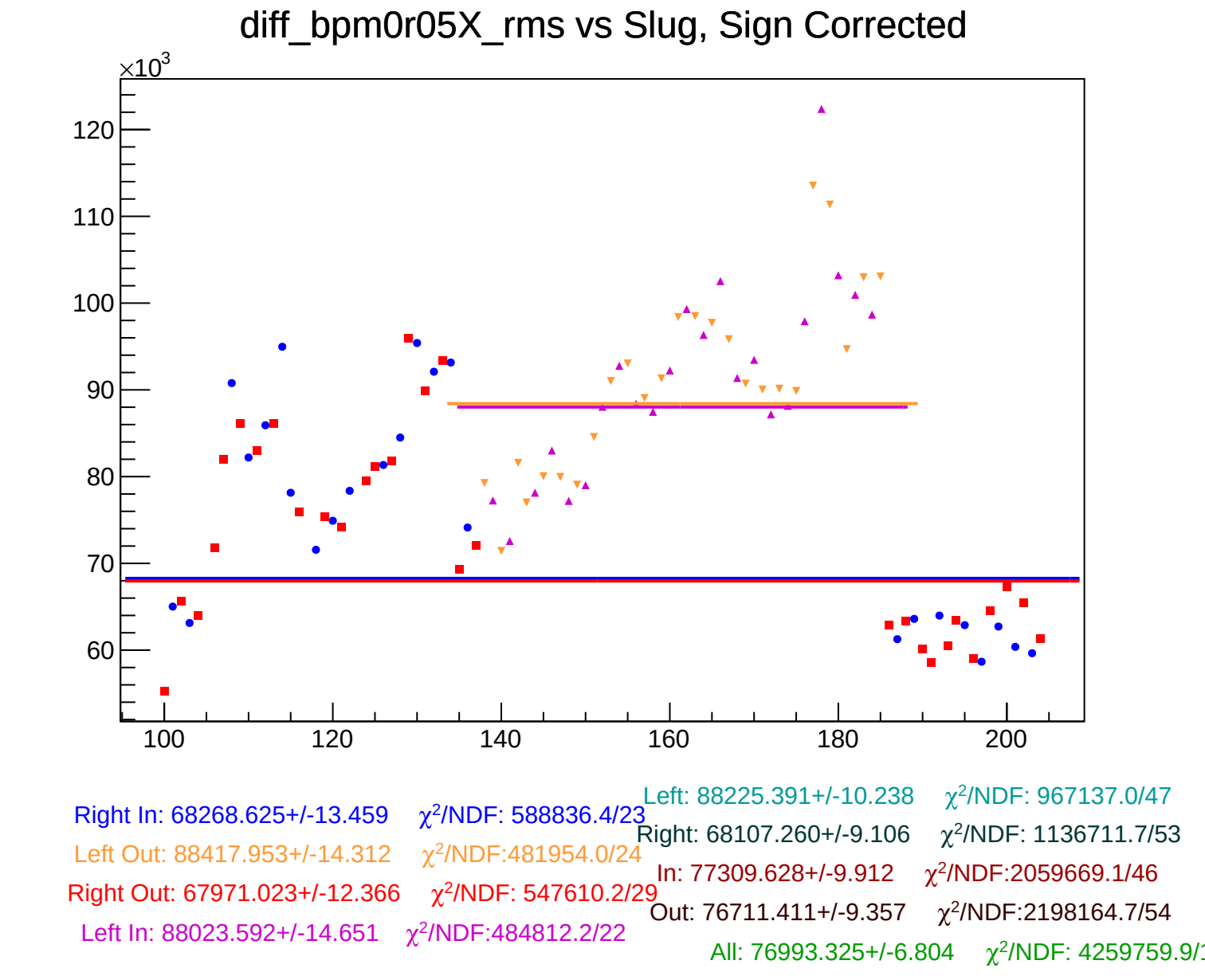
Left: -0.714+/-14.478 χ^2/NDF: 61.2/47

Right: 0.946+/-12.878 χ^2/NDF: 79.0/53

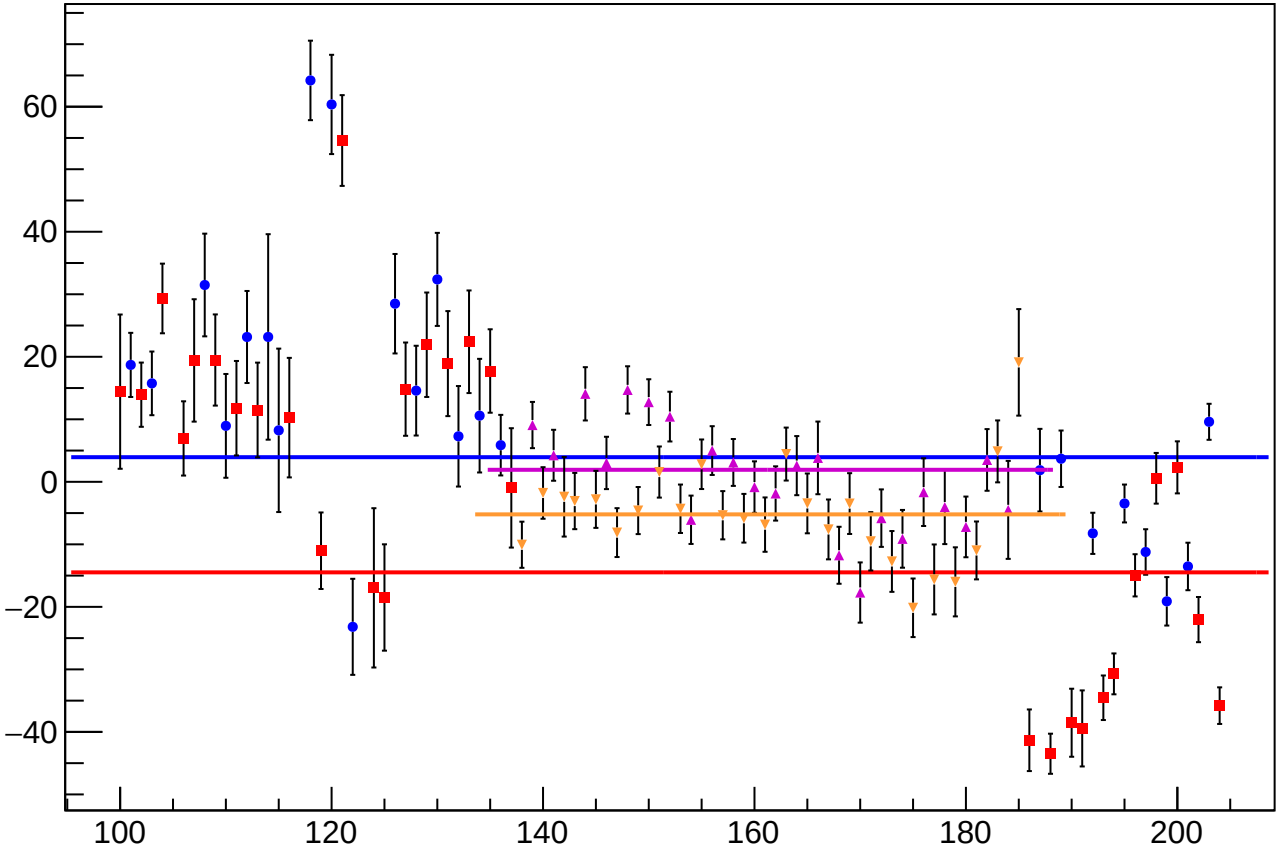
In: 25.481+/-14.017 χ^2/NDF:56.3/46

Out: -22.308+/-13.233 χ^2/NDF:77.8/54

All: 0.213+/-9.622 χ^2/NDF: 140.3/101


diff_bpm0r05X_rms vs Slug, Sign Corrected
×10^3
120
110
100
90
80
70
60
100
120
140
160
180
200
Right In: 68268.625+/-13.459 χ²/NDF: 588836.4/23
Left Out: 88417.953+/-14.312 χ²/NDF:481954.0/24
Right Out: 67971.023+/-12.366 χ²/NDF: 547610.2/29
Left In: 88023.592+/-14.651 χ²/NDF:484812.2/22
Left: 88225.391+/-10.238 χ²/NDF: 967137.0/47
Right: 68107.260+/-9.106 χ²/NDF: 1136711.7/53
In: 77309.628+/-9.912 χ²/NDF:2059669.1/46
Out: 76711.411+/-9.357 χ²/NDF:2198164.7/54
All: 76993.325+/-6.804 χ²/NDF: 4259759.9/

diff_bpm0r05Y_mean vs Slug, Sign Corrected



Right In: 3.941+/-1.043 χ^2/NDF: 311.1/23

Left Out: -5.206+/-0.894 χ^2/NDF:51.0/24

Right Out: -14.482+/-0.948 χ^2/NDF: 653.7/29

Left In: 1.924+/-0.916 χ^2/NDF:83.2/22

Left: -1.729+/-0.640 χ^2/NDF: 165.2/47

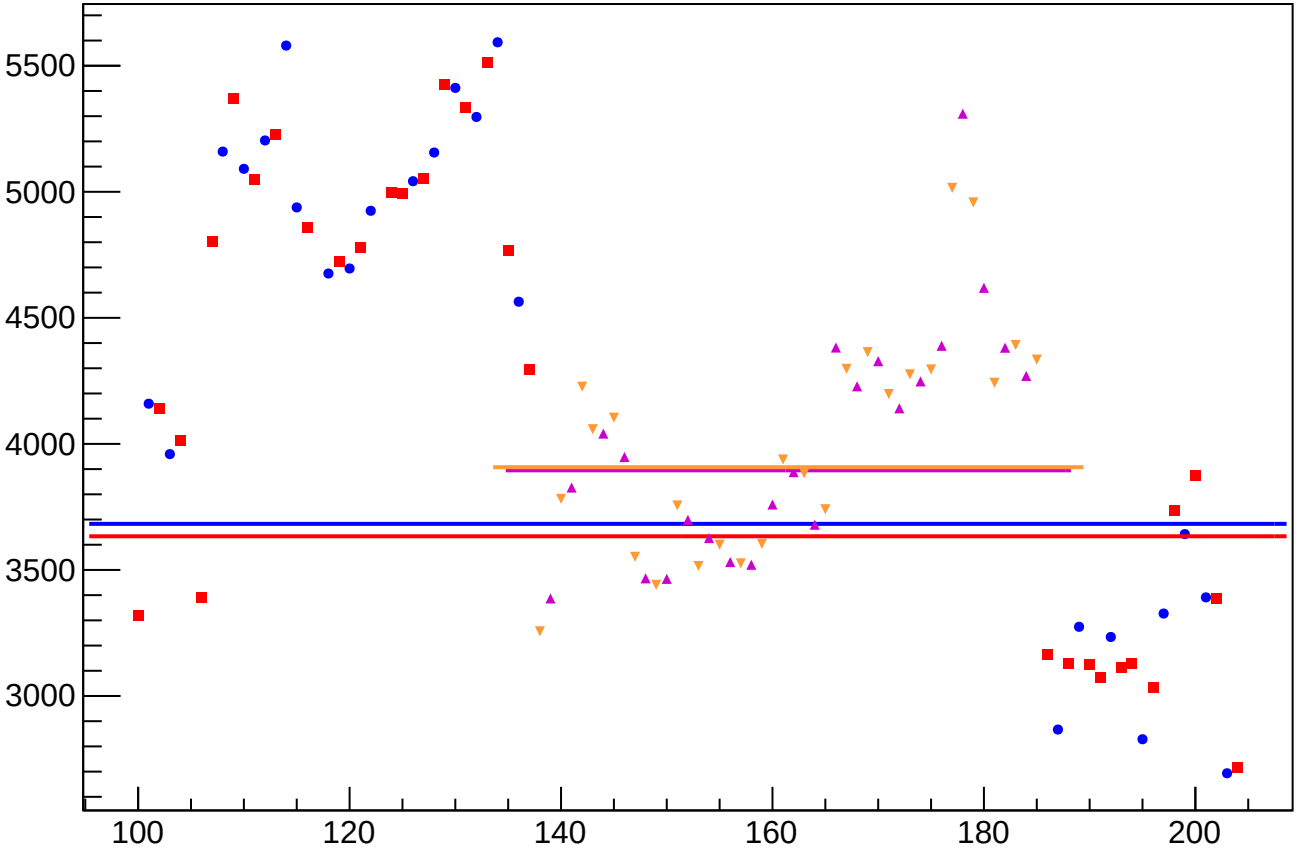
Right: -6.140+/-0.702 χ^2/NDF: 1135.6/53

In: 2.803+/-0.688 χ^2/NDF:396.4/46

Out: -9.569+/-0.650 χ^2/NDF:755.4/54

All: -3.732+/-0.473 χ^2/NDF: 1322.5/101

diff_bpm0r05Y_rms vs Slug, Sign Corrected



Right In: 3682.847+/-0.737 χ^2/NDF: 1405340.8/23

Left Out: 3907.465+/-0.632 χ^2/NDF:441202.5/24

Right Out: 3633.497+/-0.671 χ^2/NDF: 1441377.1/29

Left In: 3895.108+/-0.648 χ^2/NDF:409913.9/22

Left: 3901.439+/-0.452 χ^2/NDF: 851302.8/47

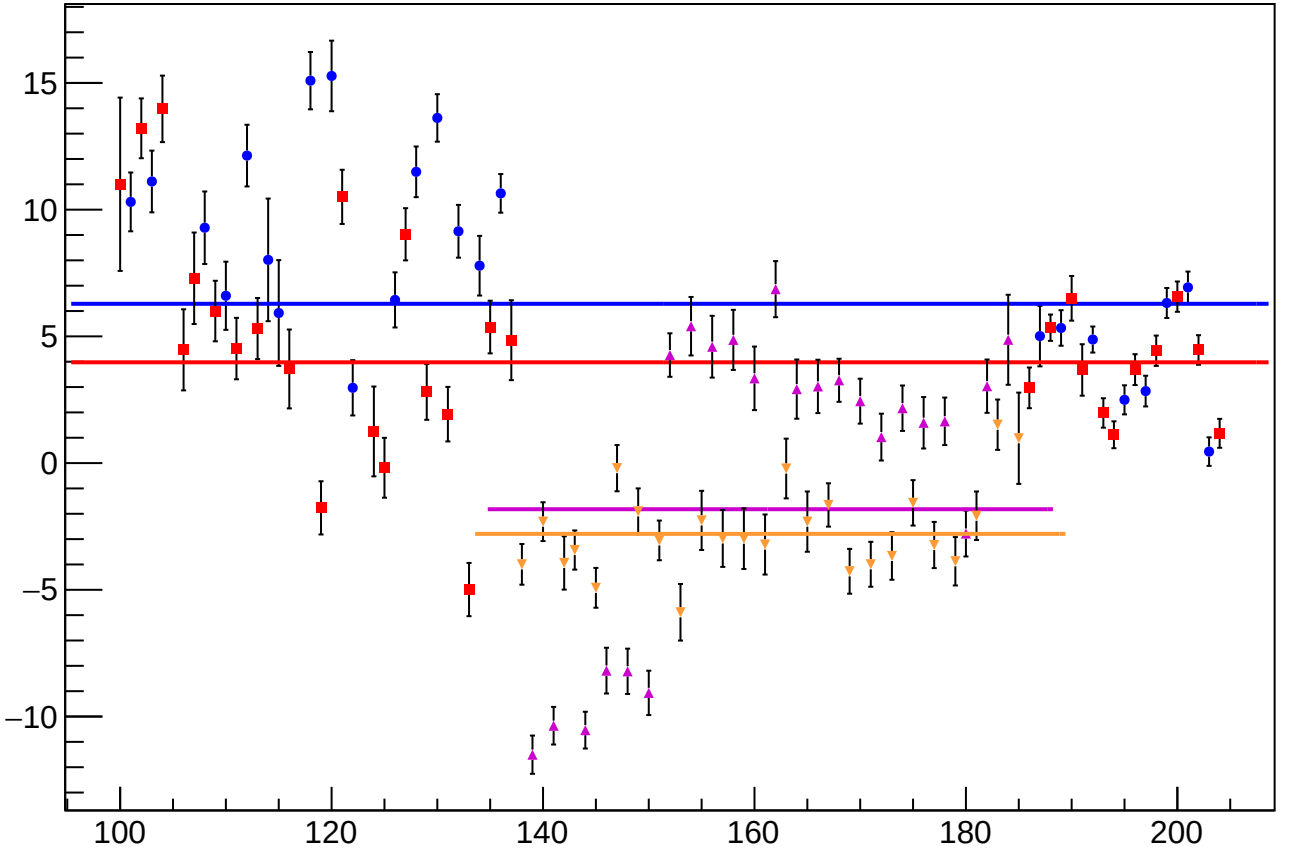
Right: 3655.843+/-0.496 χ^2/NDF: 2849169.6/53

In: 3802.616+/-0.487 χ^2/NDF:1862022.7/46

Out: 3778.598+/-0.460 χ^2/NDF:1970958.6/54

All: 3789.930+/-0.334 χ^2/NDF: 3834267.7/10

diff_bpm2i01X_mean vs Slug, Sign Corrected



Right In: 6.286+/-0.174 χ^2/NDF: 492.4/23

Left Out: -2.792+/-0.190 χ^2/NDF:68.4/24

Right Out: 3.977+/-0.157 χ^2/NDF: 419.0/29

Left In: -1.820+/-0.198 χ^2/NDF:1026.0/22

Left: -2.327+/-0.137 χ^2/NDF: 1107.0/47

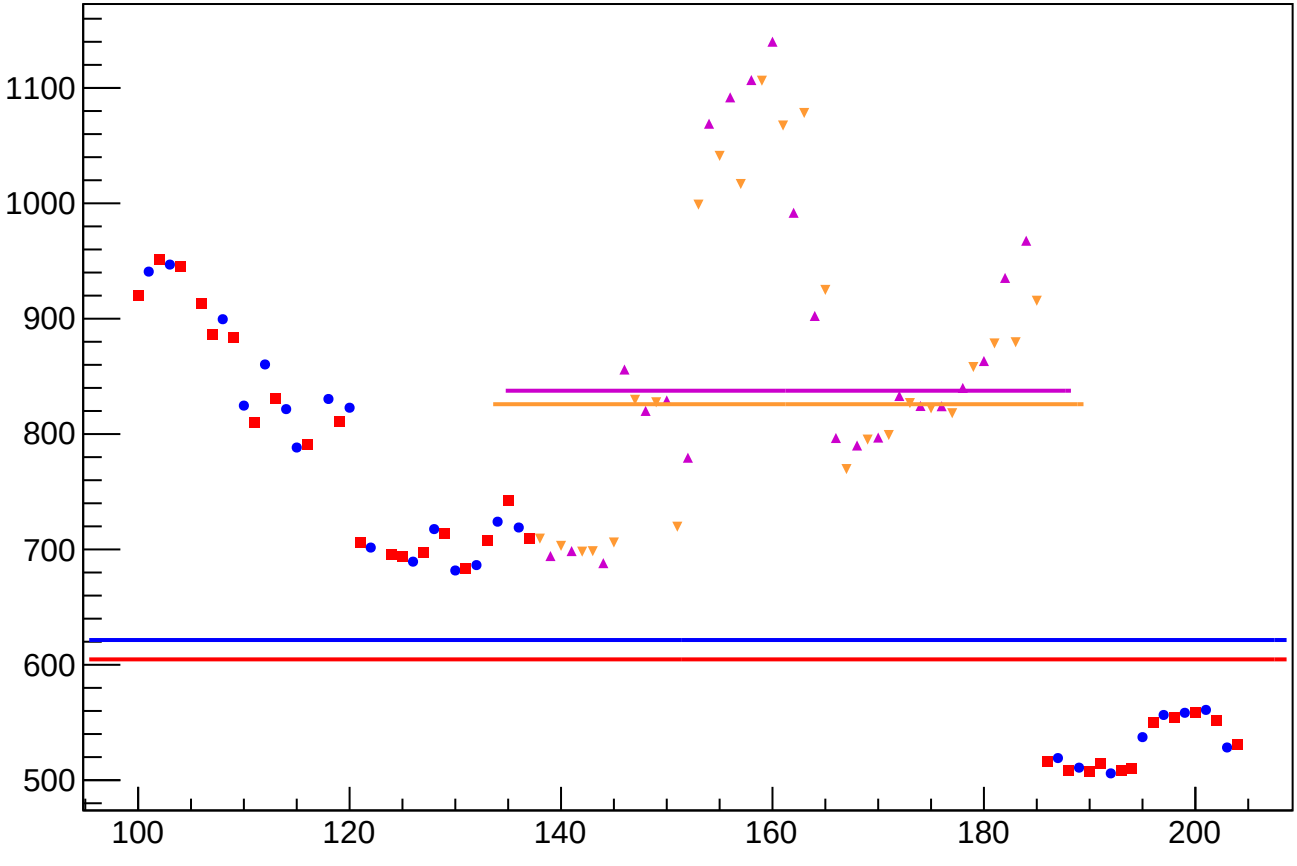
Right: 5.010+/-0.117 χ^2/NDF: 1008.2/53

In: 2.749+/-0.131 χ^2/NDF:2461.5/46

Out: 1.232+/-0.121 χ^2/NDF:1241.5/54

All: 1.931+/-0.089 χ^2/NDF: 3775.4/101

diff_bpm2i01X_rms vs Slug, Sign Corrected



Right In: 621.484+/-0.123 χ^2/NDF: 1058559.3/23

Left Out: 825.883+/-0.134 χ^2/NDF:765050.9/24

Right Out: 604.702+/-0.111 χ^2/NDF: 1278844.4/29

Left In: 837.569+/-0.140 χ^2/NDF:714157.0/22

Left: 831.482+/-0.097 χ^2/NDF: 1482830.3/47

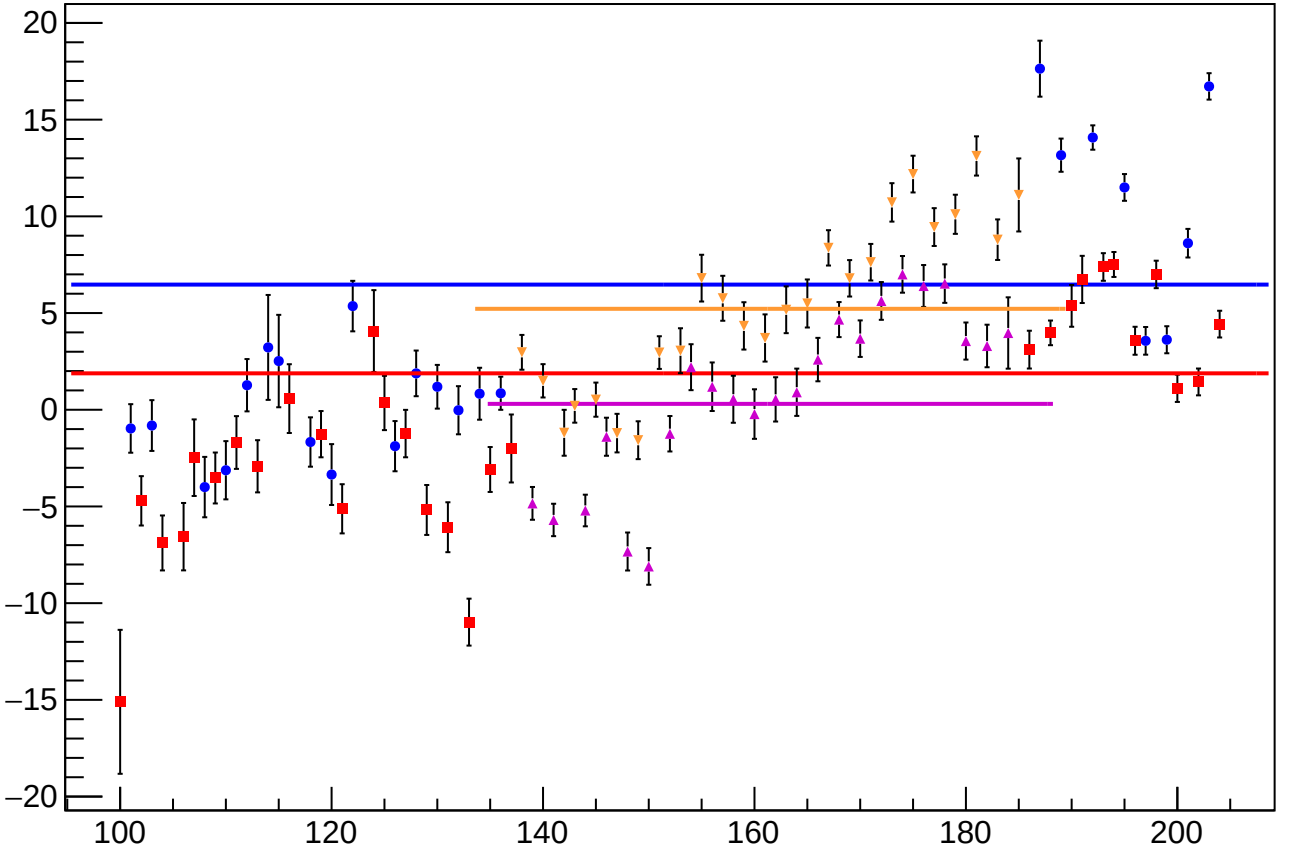
Right: 612.215+/-0.082 χ^2/NDF: 2347638.1/53

In: 715.765+/-0.093 χ^2/NDF:3113169.5/46

Out: 694.383+/-0.086 χ^2/NDF:3654058.4/54

All: 704.238+/-0.063 χ^2/NDF: 6795996.3/101

diff_bpm2i01Y_mean vs Slug, Sign Corrected



Right In: 6.471+/-0.206 χ^2/NDF: 1002.7/23

Left Out: 5.219+/-0.204 χ^2/NDF:449.9/24

Right Out: 1.883+/-0.186 χ^2/NDF: 647.0/29

Left In: 0.304+/-0.213 χ^2/NDF:495.2/22

Left: 2.859+/-0.147 χ^2/NDF: 1222.8/47

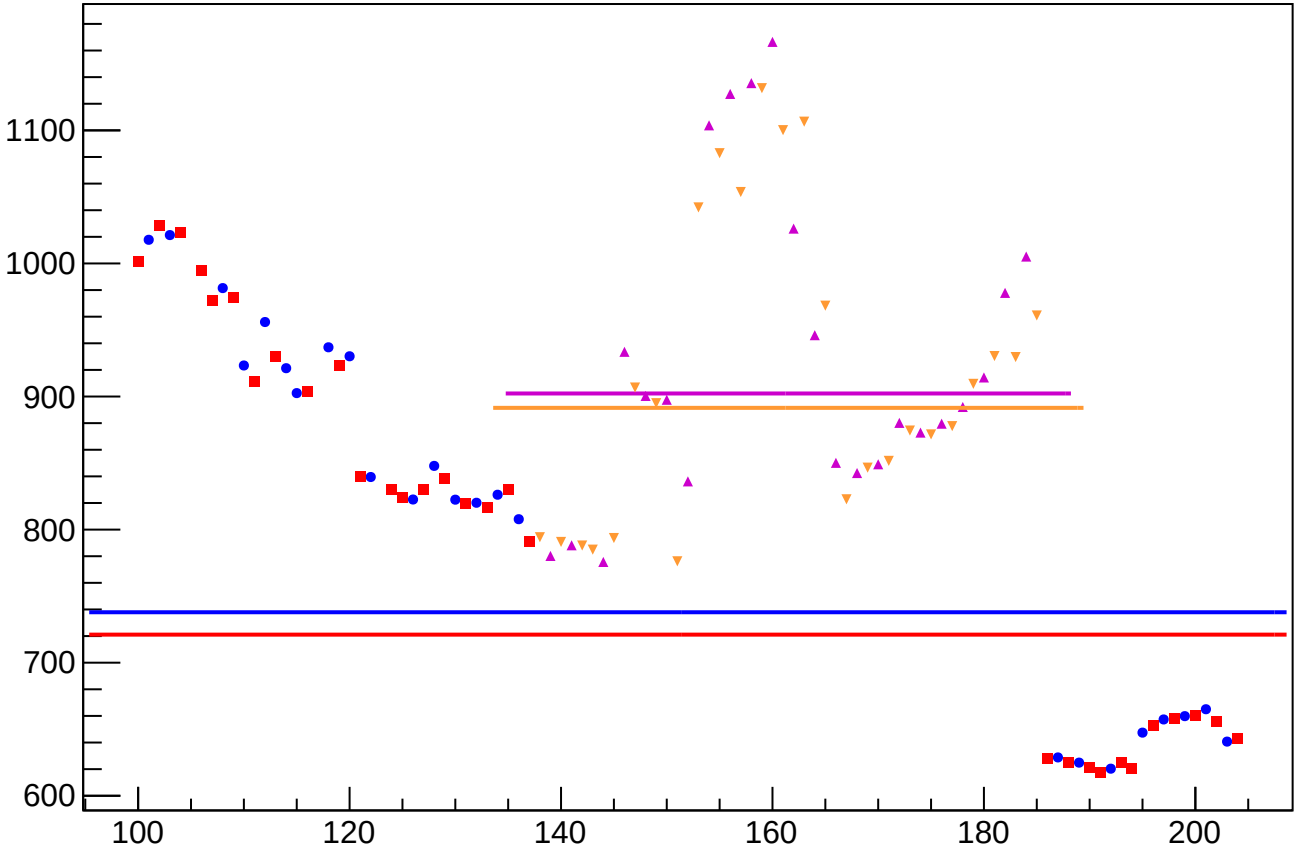
Right: 3.947+/-0.138 χ^2/NDF: 1923.1/53

In: 3.488+/-0.148 χ^2/NDF:1932.1/46

Out: 3.395+/-0.138 χ^2/NDF:1242.7/54

All: 3.438+/-0.101 χ^2/NDF: 3175.0/101

diff_bpm2i01Y_rms vs Slug, Sign Corrected



Right In: 737.897+/-0.146 χ^2/NDF: 761028.3/23

Left Out: 891.492+/-0.145 χ^2/NDF:517791.6/24

Right Out: 721.082+/-0.132 χ^2/NDF: 921589.4/29

Left In: 902.292+/-0.150 χ^2/NDF:484924.8/22

Left: 896.677+/-0.104 χ^2/NDF: 1005398.0/47

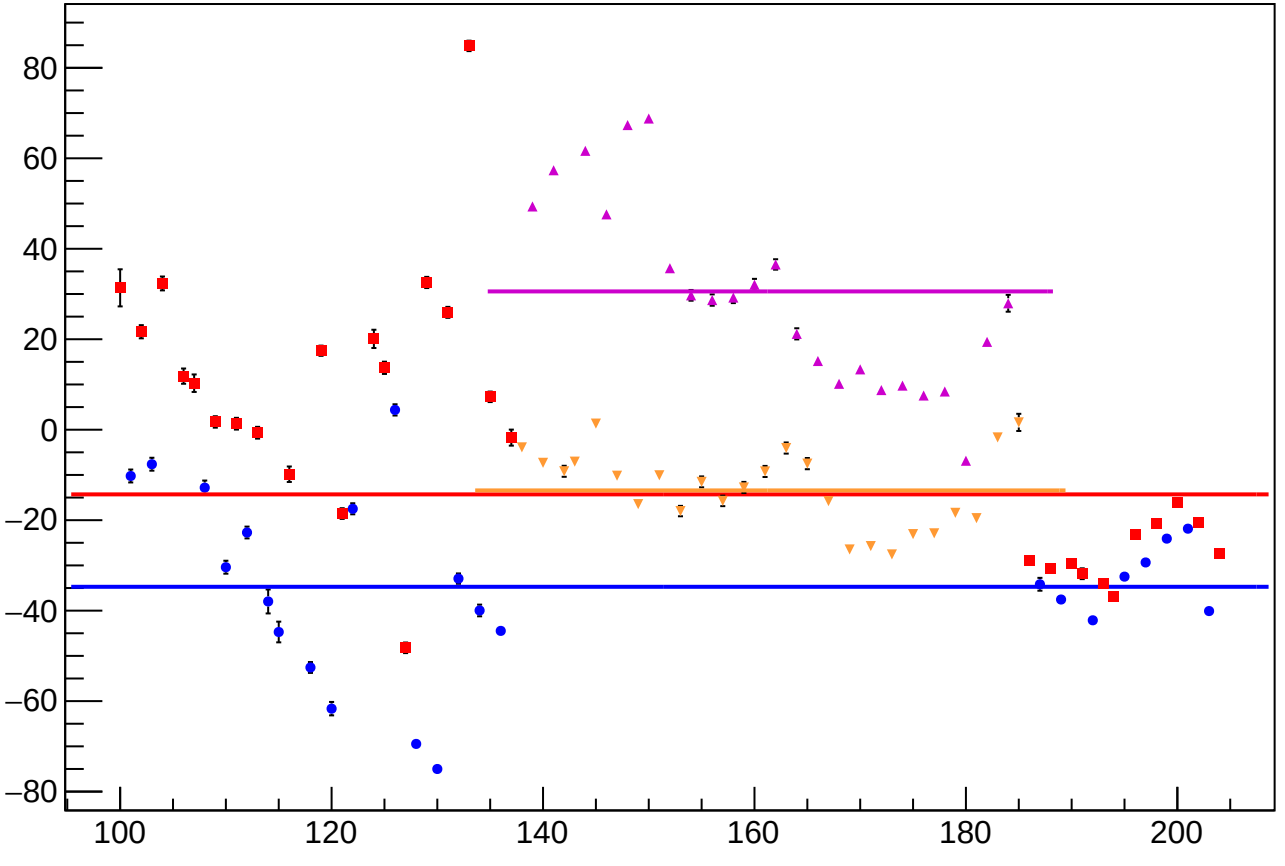
Right: 728.645+/-0.098 χ^2/NDF: 1689961.9/53

In: 817.410+/-0.105 χ^2/NDF:1863074.5/46

Out: 798.324+/-0.097 χ^2/NDF:2199631.1/54

All: 807.179+/-0.071 χ^2/NDF: 4080560.6/101

diff_bpm2i02X_mean vs Slug, Sign Corrected



Right In: -34.727+/-0.202 χ^2/NDF: 6069.9/23

Left Out: -13.420+/-0.206 χ^2/NDF:1663.3/24

Right Out: -14.296+/-0.183 χ^2/NDF: 19282.4/29

Left In: 30.571+/-0.215 χ^2/NDF:10386.5/22

Left: 7.613+/-0.149 χ^2/NDF: 33863.7/47

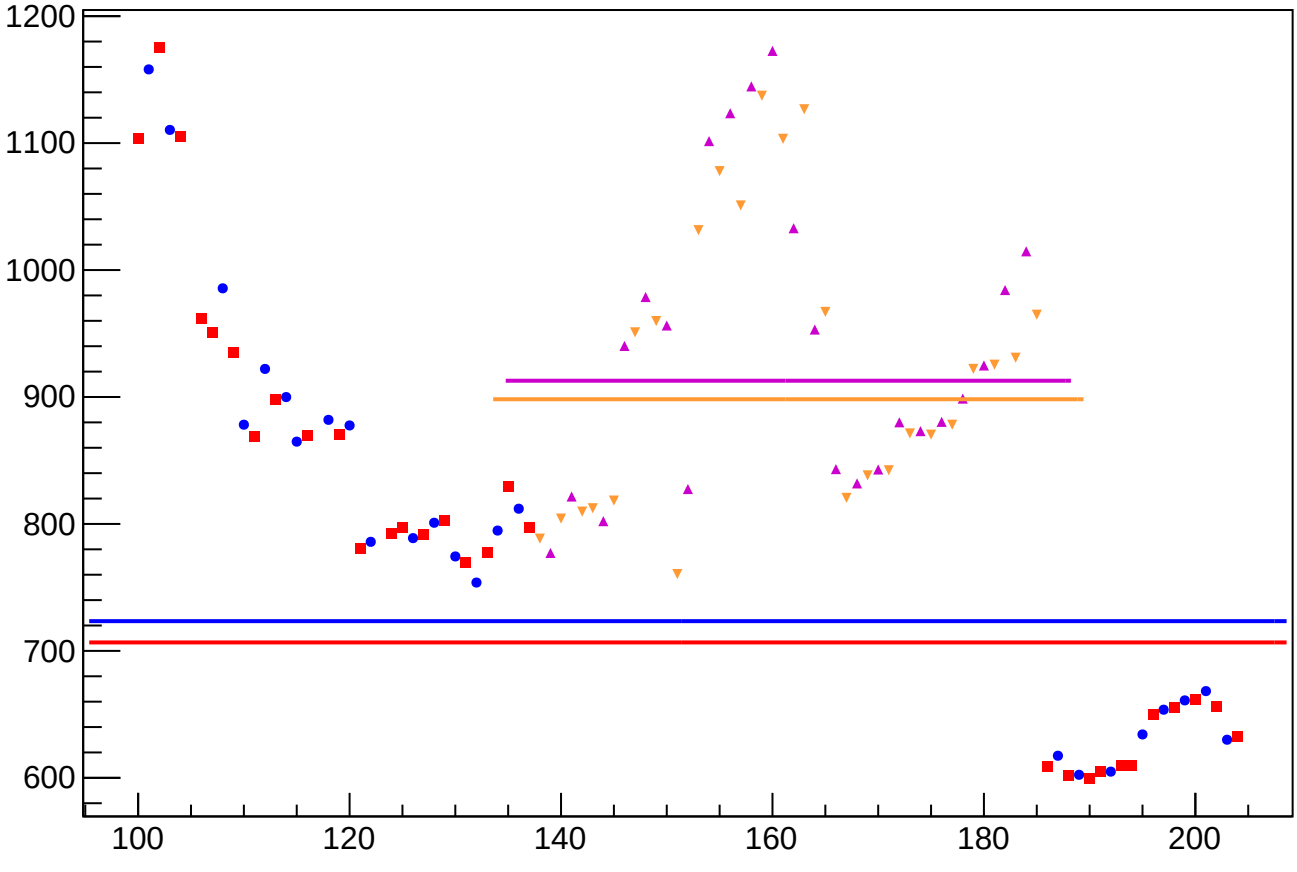
Right: -23.478+/-0.135 χ^2/NDF: 30982.7/53

In: -4.131+/-0.147 χ^2/NDF:65399.0/46

Out: -13.911+/-0.137 χ^2/NDF:20955.9/54

All: -9.389+/-0.100 χ^2/NDF: 88725.0/101

diff_bpm2i02X_rms vs Slug, Sign Corrected



Right In: 723.432+/-0.143 χ^2/NDF: 832618.7/23

Left Out: 898.227+/-0.146 χ^2/NDF:518370.6/24

Right Out: 706.662+/-0.129 χ^2/NDF: 988255.2/29

Left In: 912.817+/-0.152 χ^2/NDF:480021.0/22

Left: 905.203+/-0.105 χ^2/NDF: 1003190.0/47

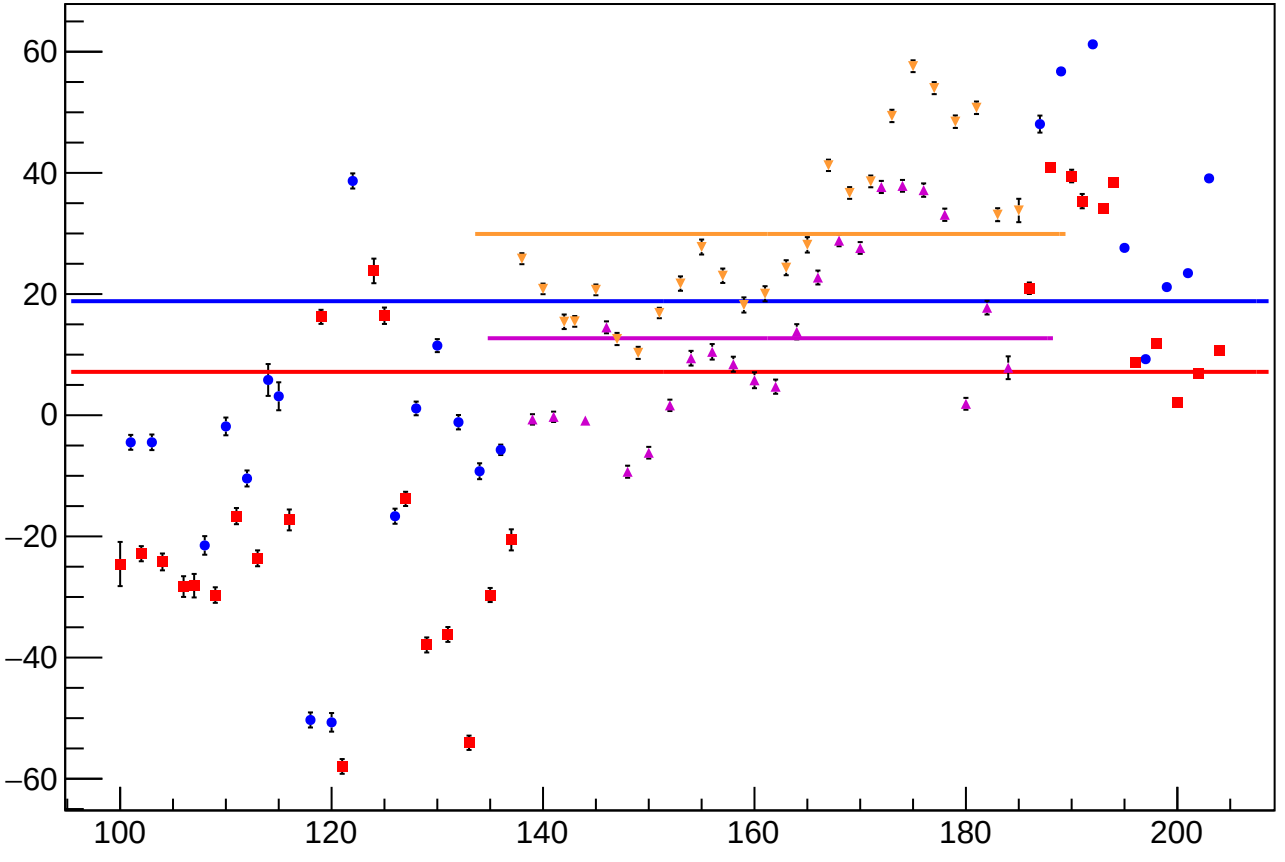
Right: 714.198+/-0.096 χ^2/NDF: 1828461.1/53

In: 812.169+/-0.104 χ^2/NDF:2136014.9/46

Out: 790.935+/-0.097 χ^2/NDF:2475744.4/54

All: 800.754+/-0.071 χ^2/NDF: 4634105.7/101

diff_bpm2i02Y_mean vs Slug, Sign Corrected



Right In: 18.824+/-0.200 χ^2/NDF: 18950.8/23

Left Out: 29.922+/-0.209 χ^2/NDF:4580.4/24

Right Out: 7.158+/-0.181 χ^2/NDF: 22634.0/29

Left In: 12.708+/-0.217 χ^2/NDF:4791.2/22

Left: 21.661+/-0.150 χ^2/NDF: 12640.8/47

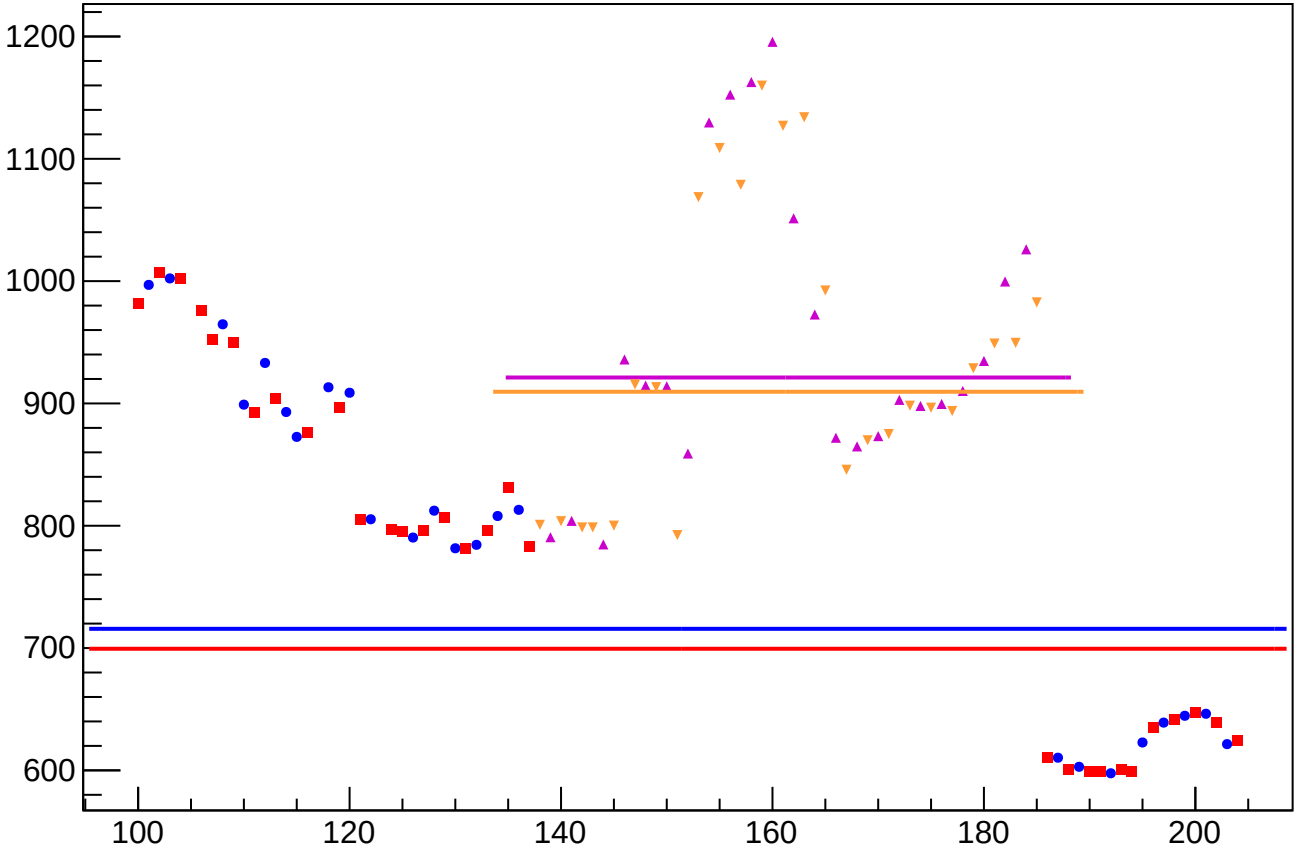
Right: 12.404+/-0.134 χ^2/NDF: 43462.4/53

In: 16.021+/-0.147 χ^2/NDF:24171.8/46

Out: 16.909+/-0.136 χ^2/NDF:34024.6/54

All: 16.498+/-0.100 χ^2/NDF: 58216.0/101

diff_bpm2i02Y_rms vs Slug, Sign Corrected



Right In: 715.724+/-0.141 χ^2/NDF: 792179.7/23

Left Out: 909.552+/-0.147 χ^2/NDF:541710.0/24

Right Out: 699.430+/-0.128 χ^2/NDF: 949690.8/29

Left In: 921.198+/-0.154 χ^2/NDF:497337.0/22

Left: 915.140+/-0.106 χ^2/NDF: 1042039.9/47

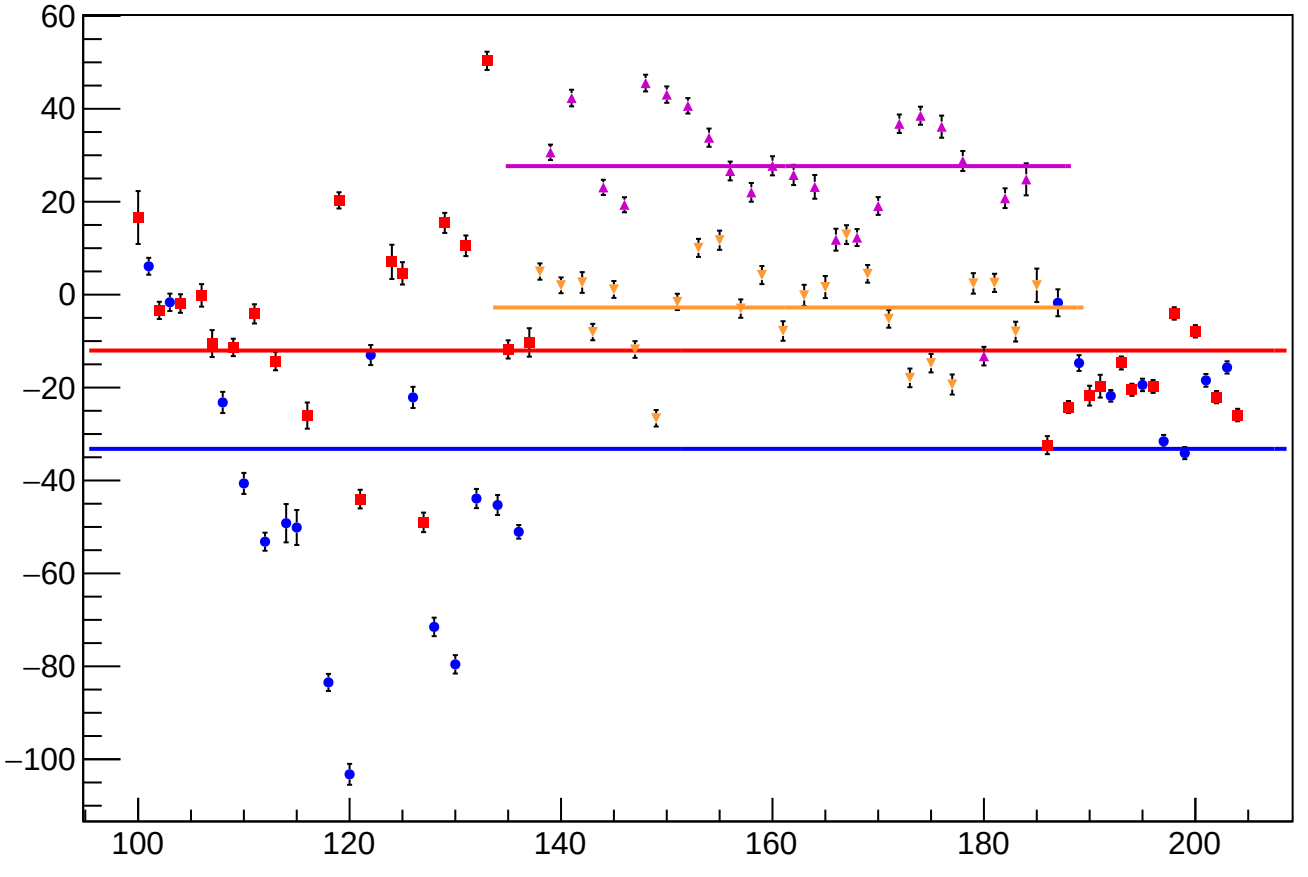
Right: 706.757+/-0.095 χ^2/NDF: 1749196.8/53

In: 809.897+/-0.104 χ^2/NDF:2259708.5/46

Out: 789.436+/-0.097 χ^2/NDF:2651913.4/54

All: 798.910+/-0.071 χ^2/NDF: 4932430.0/101

diff_bpm0i02X_mean vs Slug, Sign Corrected



Right In: -33.191+/-0.363 χ^2/NDF: 4603.8/23

Left Out: -2.767+/-0.397 χ^2/NDF:616.1/24

Right Out: -12.030+/-0.333 χ^2/NDF: 2905.6/29

Left In: 27.663+/-0.409 χ^2/NDF:989.9/22

Left: 12.021+/-0.285 χ^2/NDF: 4455.3/47

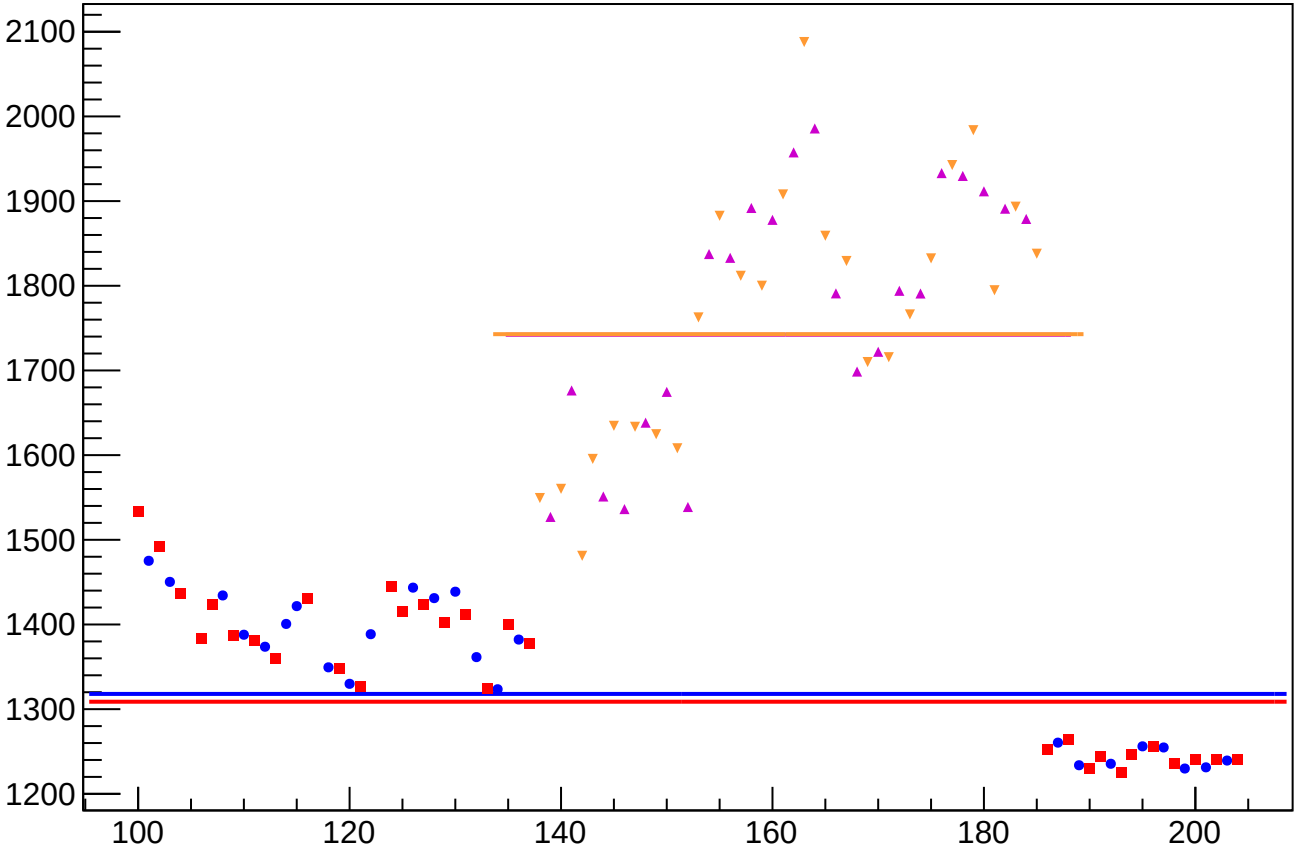
Right: -21.712+/-0.245 χ^2/NDF: 9353.5/53

In: -6.363+/-0.271 χ^2/NDF:17988.2/46

Out: -8.205+/-0.255 χ^2/NDF:3840.7/54

All: -7.340+/-0.186 χ^2/NDF: 21853.3/101

diff_bpm0i02X_rms vs Slug, Sign Corrected



Right In: 1317.999+/-0.257 χ^2/NDF: 110810.1/23

Left Out: 1742.842+/-0.281 χ^2/NDF:263118.4/24

Right Out: 1308.788+/-0.236 χ^2/NDF: 119129.2/29

Left In: 1742.153+/-0.289 χ^2/NDF:261606.6/22

Left: 1742.507+/-0.201 χ^2/NDF: 524727.9/47

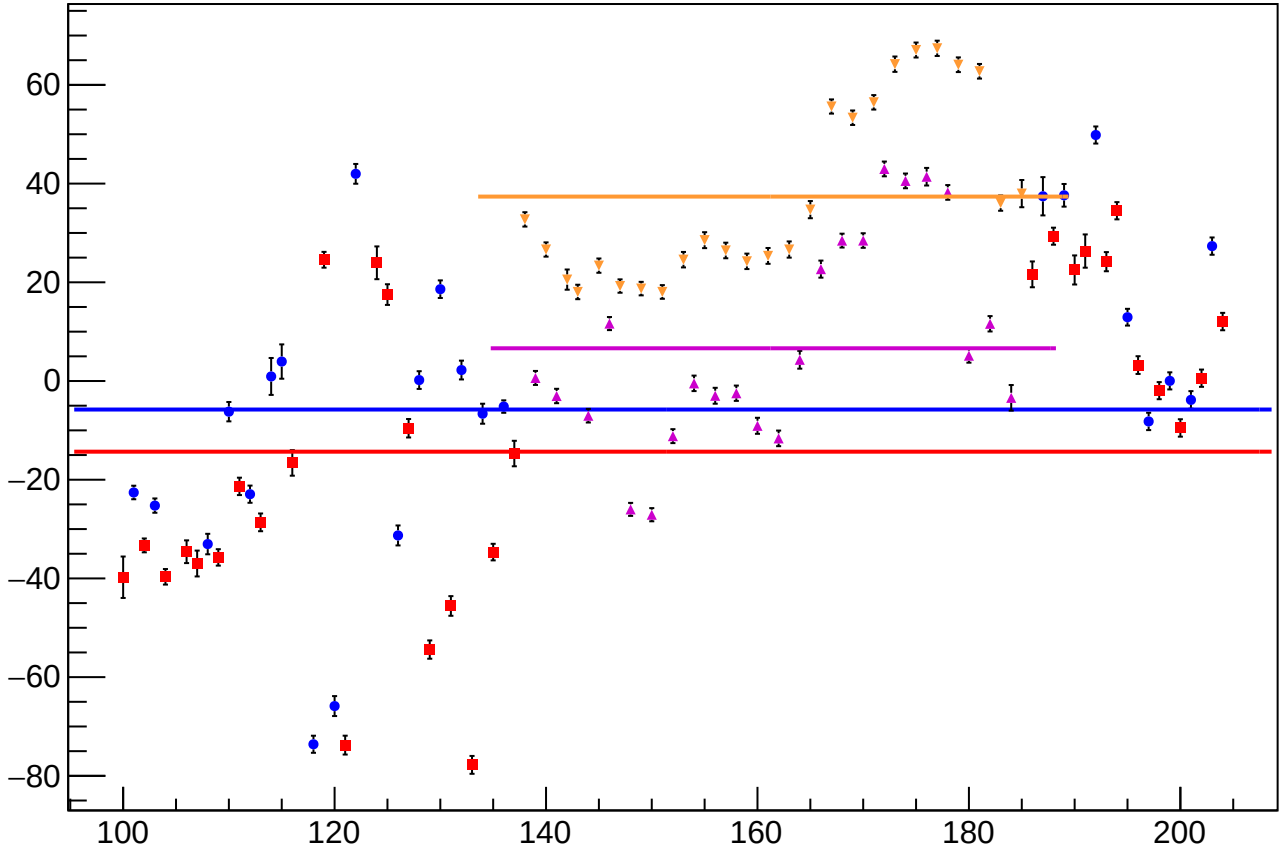
Right: 1313.002+/-0.174 χ^2/NDF: 230638.3/53

In: 1504.991+/-0.192 χ^2/NDF:1576714.3/46

Out: 1488.030+/-0.181 χ^2/NDF:1782855.2/54

All: 1495.996+/-0.132 χ^2/NDF: 3363712.9/10

diff_bpm0i02Y_mean vs Slug, Sign Corrected



Right In: -5.778+/-0.376 χ^2/NDF: 5977.6/23

Left Out: 37.369+/-0.308 χ^2/NDF:3395.8/24

Right Out: -14.318+/-0.355 χ^2/NDF: 7650.4/29

Left In: 6.631+/-0.316 χ^2/NDF:4410.3/22

Left: 22.404+/-0.221 χ^2/NDF: 12659.0/47

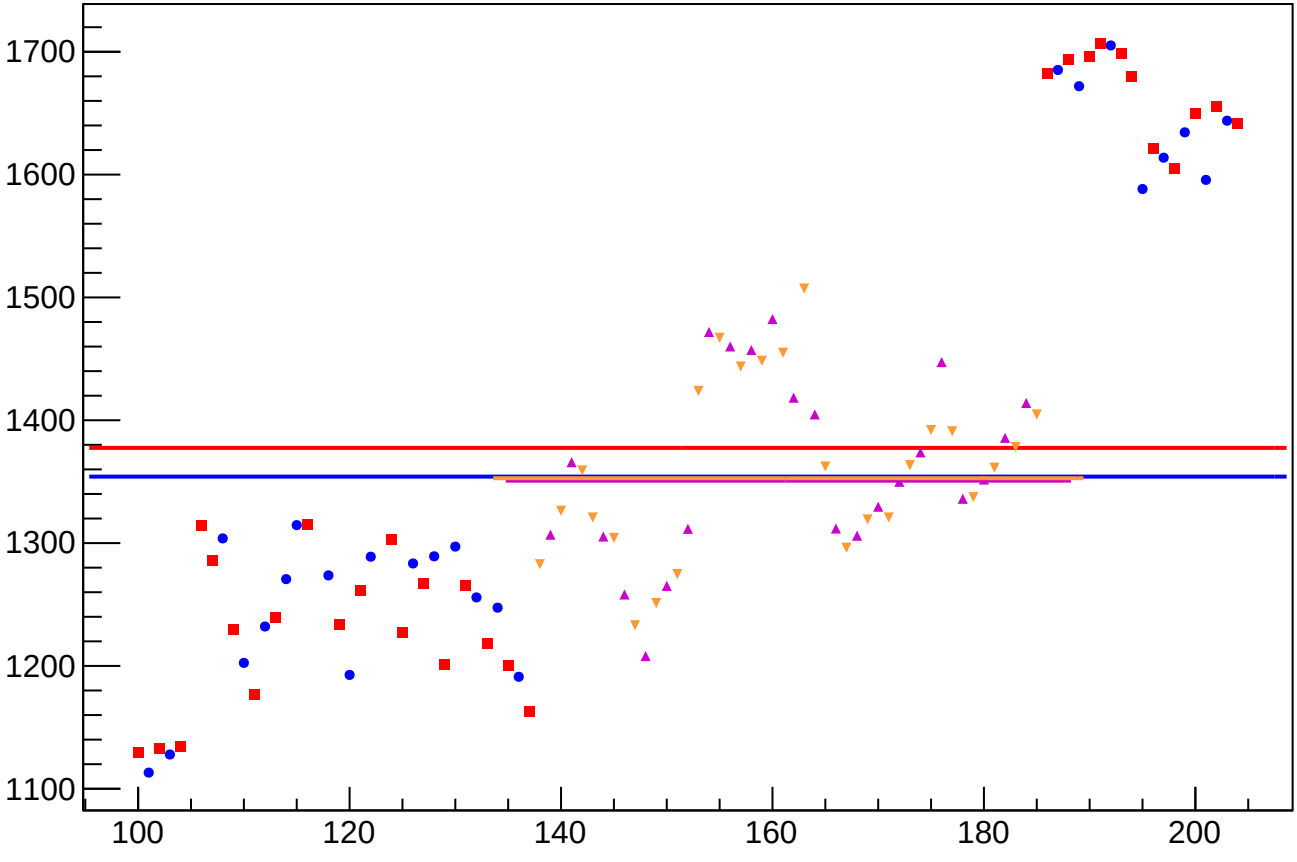
Right: -10.302+/-0.258 χ^2/NDF: 13900.9/53

In: 1.498+/-0.242 χ^2/NDF:11025.6/46

Out: 15.149+/-0.232 χ^2/NDF:23163.2/54

All: 8.599+/-0.168 χ^2/NDF: 35843.8/101

diff_bpm0i02Y_rms vs Slug, Sign Corrected



Right In: 1354.129+/-0.266 χ^2/NDF: 566064.8/23

Left Out: 1352.820+/-0.218 χ^2/NDF:104845.3/24

Right Out: 1377.512+/-0.251 χ^2/NDF: 757508.0/29

Left In: 1350.830+/-0.223 χ^2/NDF:108618.5/22

Left: 1351.851+/-0.156 χ^2/NDF: 213504.5/47

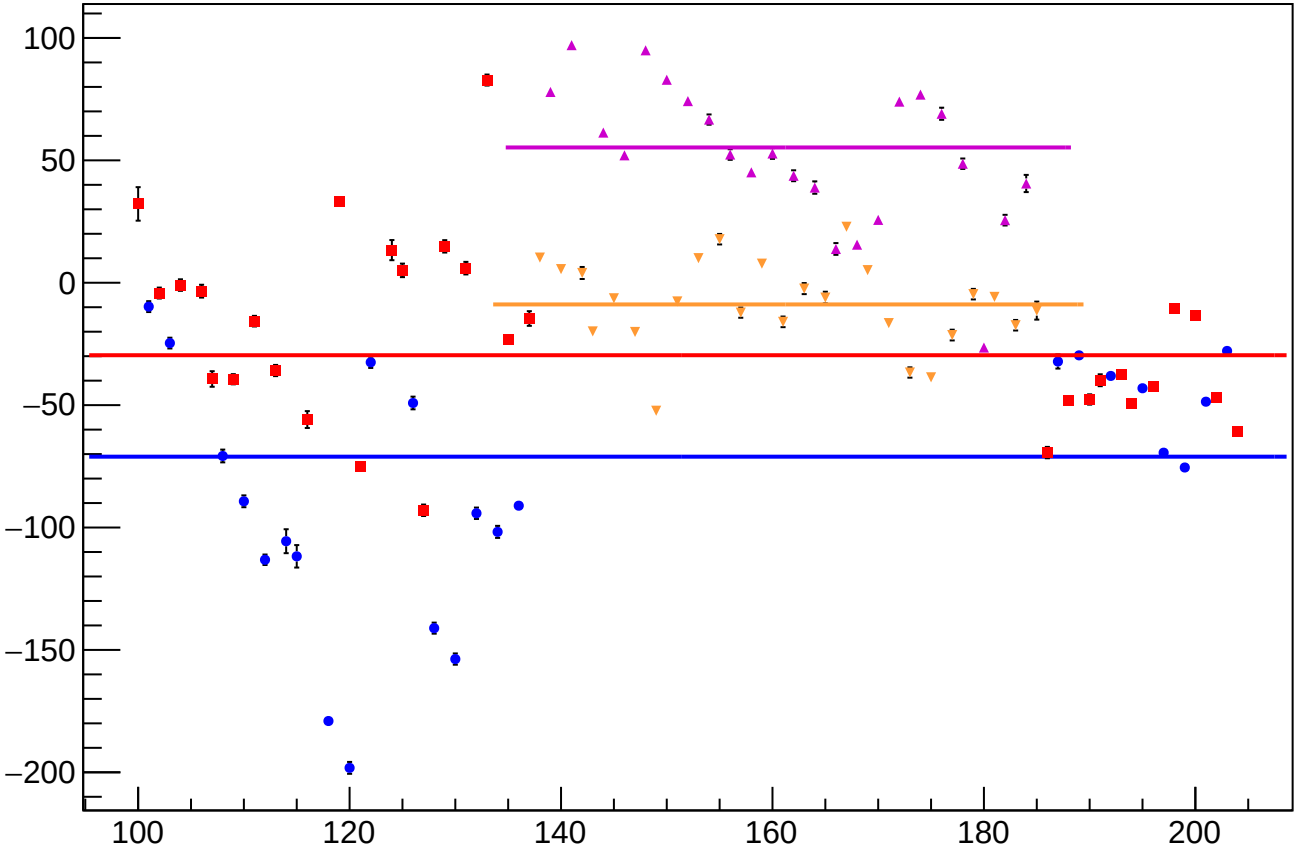
Right: 1366.516+/-0.182 χ^2/NDF: 1327663.8/53

In: 1352.195+/-0.171 χ^2/NDF:674773.4/46

Out: 1363.435+/-0.164 χ^2/NDF:867883.9/54

All: 1358.041+/-0.119 χ^2/NDF: 1544901.1/10

diff_bpm0i02aX_mean vs Slug, Sign Corrected



Right In: -71.054+/-0.401 χ^2/NDF: 13205.9/23

Left Out: -8.859+/-0.407 χ^2/NDF:1953.2/24

Right Out: -29.608+/-0.366 χ^2/NDF: 7825.1/29

Left In: 55.266+/-0.420 χ^2/NDF:4736.1/22

Left: 22.173+/-0.293 χ^2/NDF: 18692.1/47

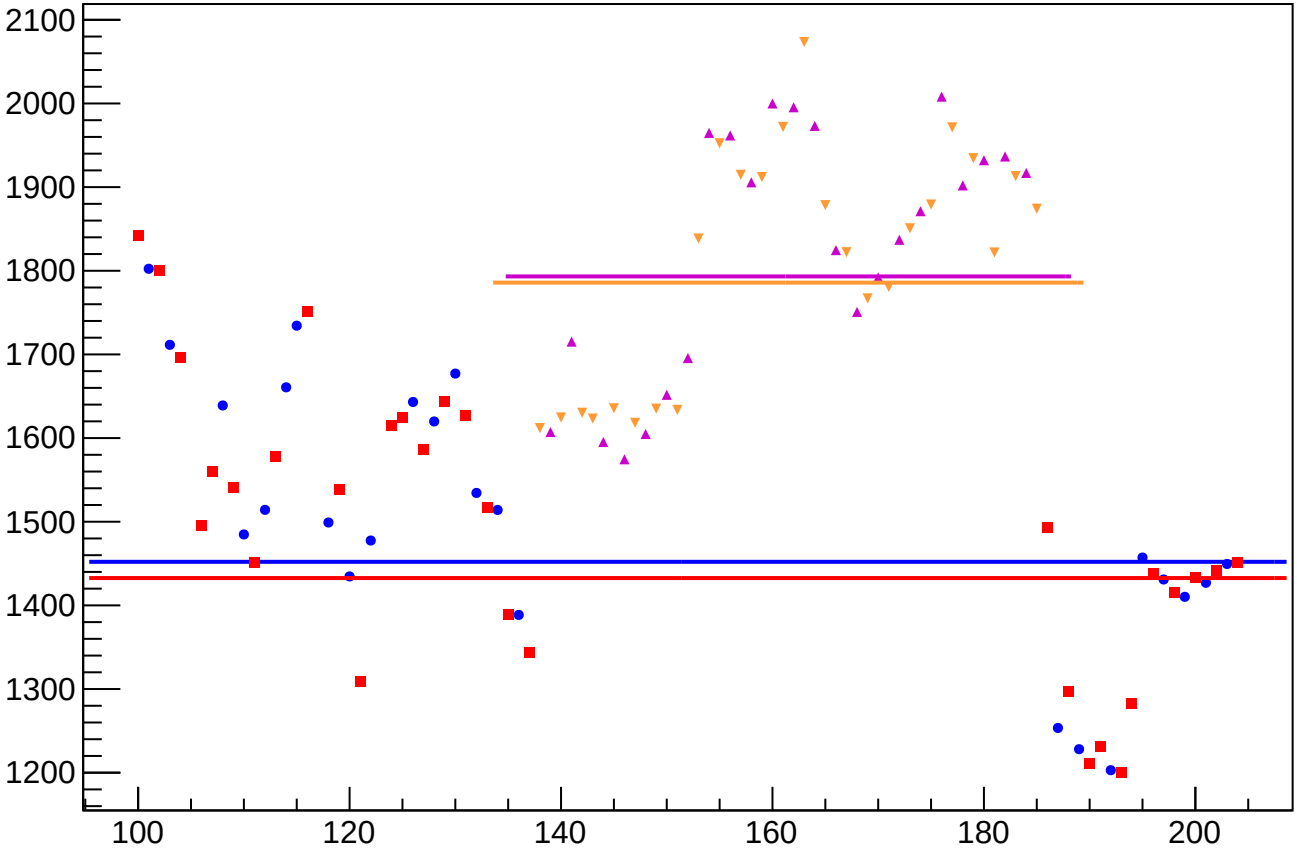
Right: -48.440+/-0.270 χ^2/NDF: 26853.2/53

In: -10.851+/-0.290 χ^2/NDF:65181.3/46

Out: -20.331+/-0.272 χ^2/NDF:11213.9/54

All: -15.895+/-0.199 χ^2/NDF: 76962.6/101

diff_bpm0i02aX_rms vs Slug, Sign Corrected



Right In: 1452.081+/-0.284 χ^2/NDF: 281459.4/23

Left Out: 1785.836+/-0.288 χ^2/NDF:237239.4/24

Right Out: 1432.670+/-0.259 χ^2/NDF: 330247.3/29

Left In: 1793.249+/-0.297 χ^2/NDF:252788.2/22

Left: 1789.423+/-0.207 χ^2/NDF: 490348.4/47

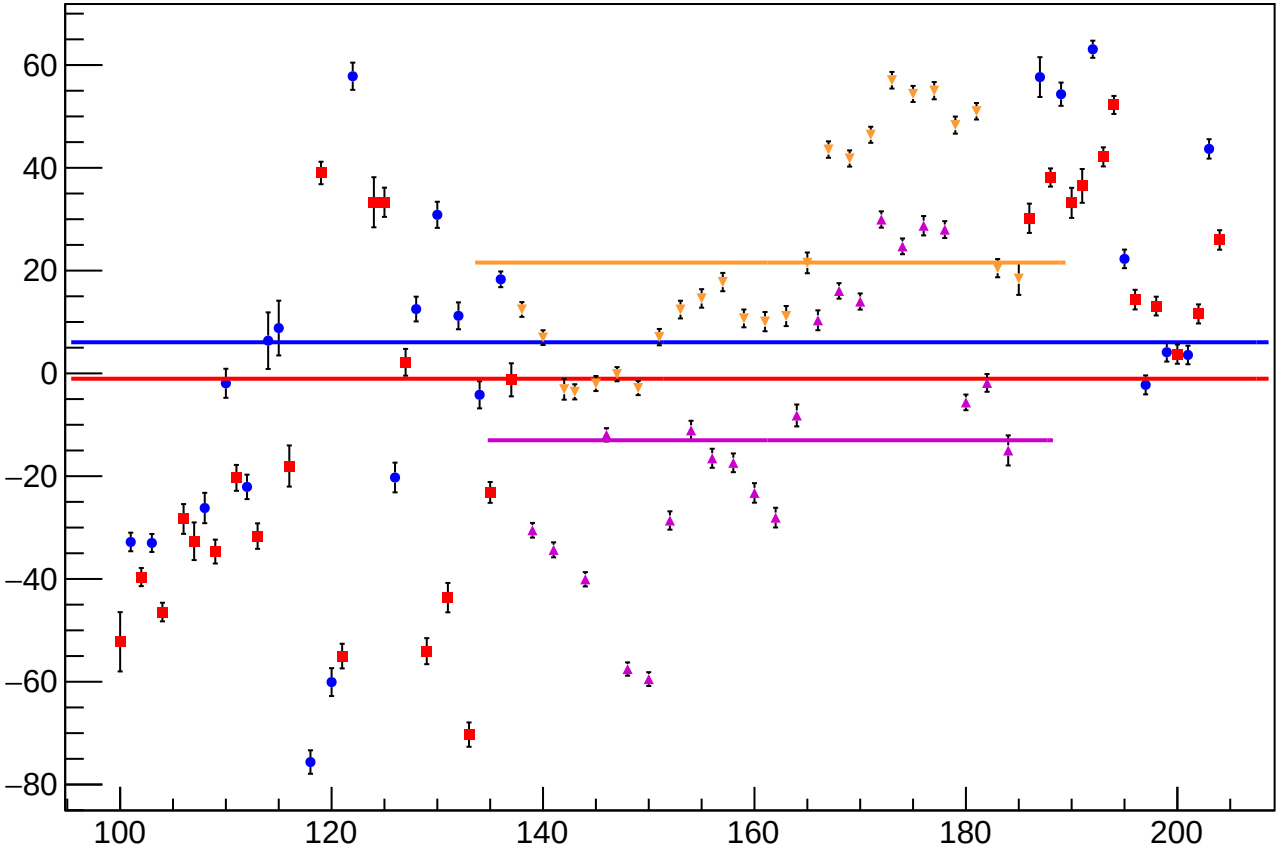
Right: 1441.490+/-0.191 χ^2/NDF: 614260.7/53

In: 1614.678+/-0.205 χ^2/NDF:1223411.9/46

Out: 1590.568+/-0.193 χ^2/NDF:1399391.7/54

All: 1601.851+/-0.140 χ^2/NDF: 2630143.8/10

diff_bpm0i02aY_mean vs Slug, Sign Corrected



Right In: 6.058+/-0.454 χ^2/NDF: 6047.6/23

Left Out: 21.567+/-0.330 χ^2/NDF:4160.8/24

Right Out: -1.037+/-0.422 χ^2/NDF: 7178.2/29

Left In: -13.014+/-0.340 χ^2/NDF:6627.2/22

Left: 4.798+/-0.237 χ^2/NDF: 16115.3/47

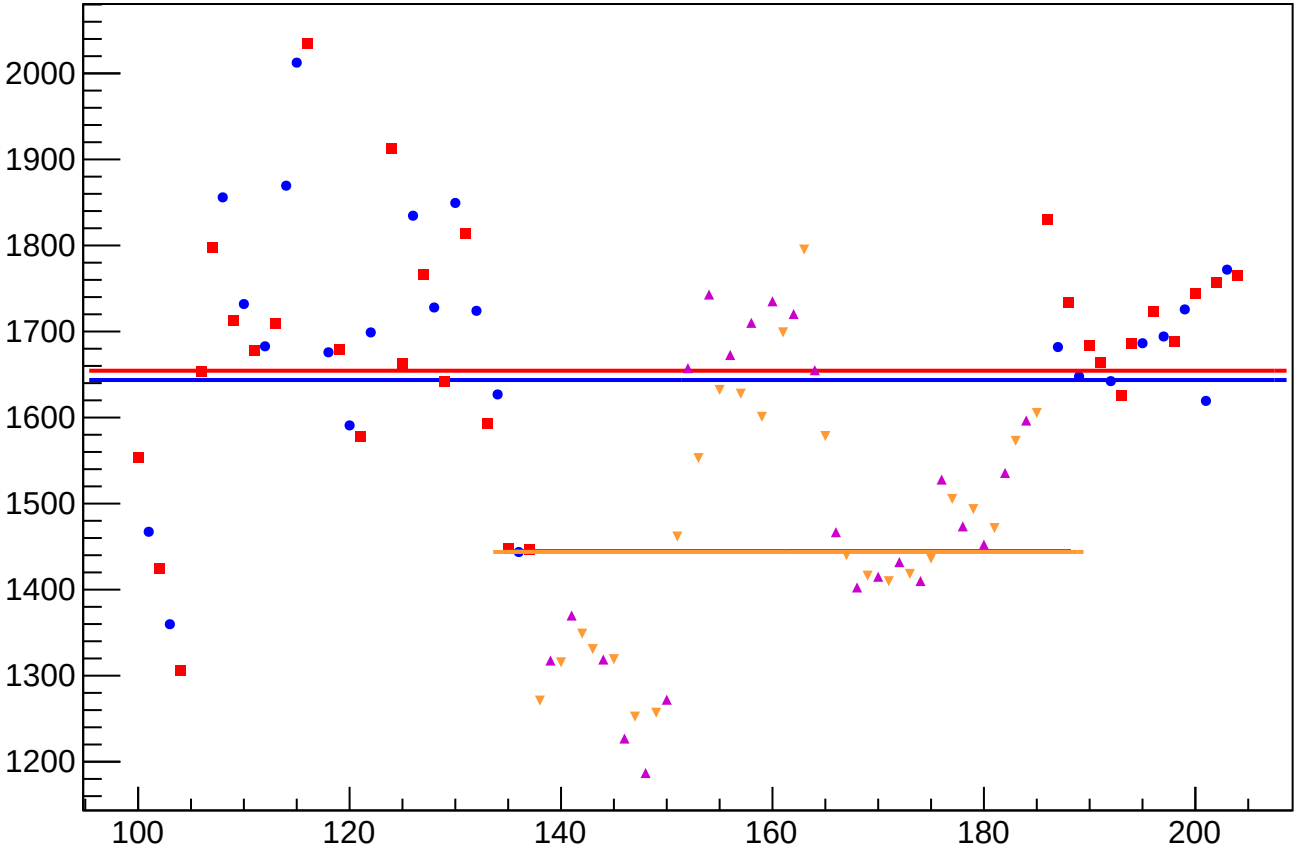
Right: 2.256+/-0.309 χ^2/NDF: 13356.8/53

In: -6.157+/-0.272 χ^2/NDF:13805.8/46

Out: 13.002+/-0.260 χ^2/NDF:13117.7/54

All: 3.859+/-0.188 χ^2/NDF: 29514.7/101

diff_bpm0i02aY_rms vs Slug, Sign Corrected



Right In: 1643.614+/-0.321 χ^2/NDF: 176270.8/23

Left Out: 1443.826+/-0.233 χ^2/NDF:352397.9/24

Right Out: 1654.438+/-0.299 χ^2/NDF: 214170.5/29

Left In: 1444.817+/-0.240 χ^2/NDF:485230.7/22

Left: 1444.307+/-0.167 χ^2/NDF: 837637.3/47

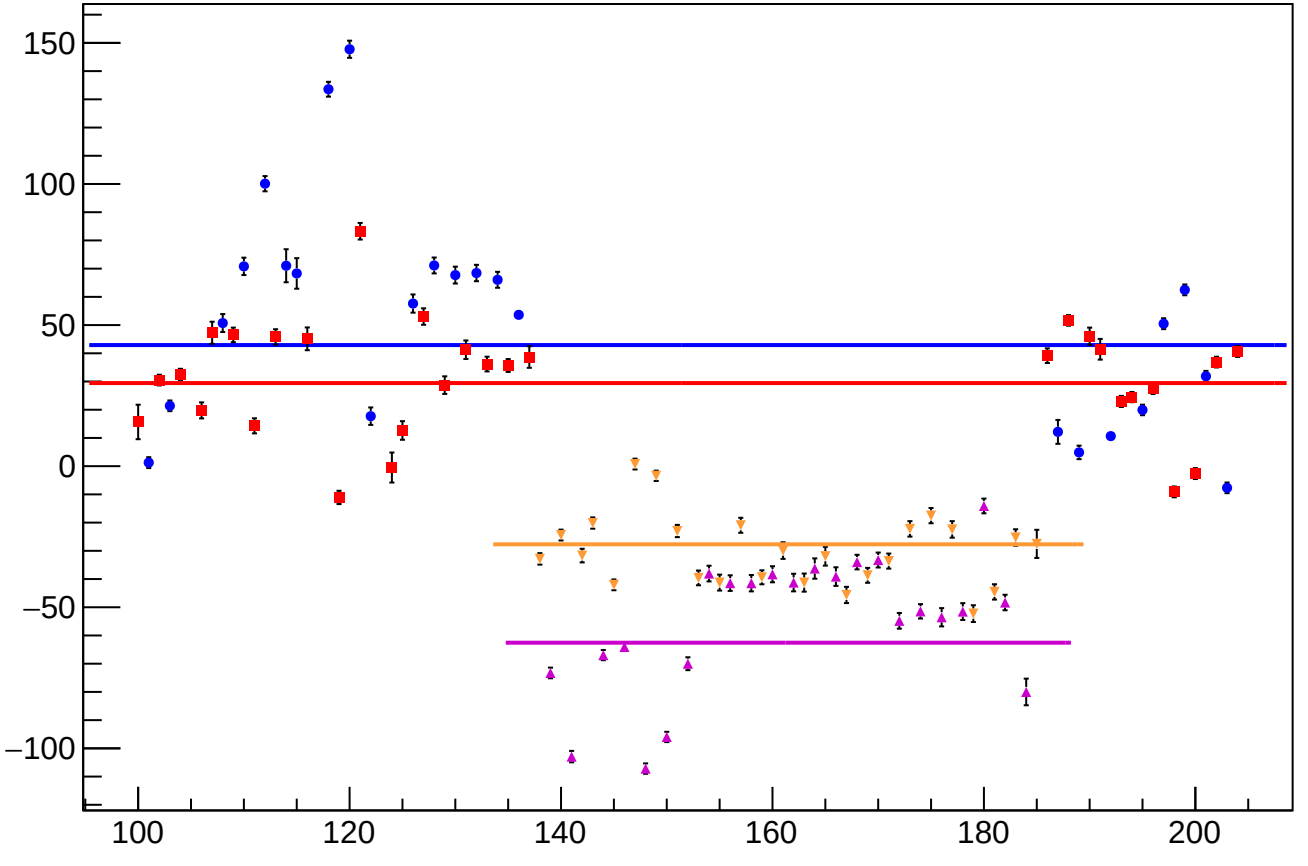
Right: 1649.415+/-0.219 χ^2/NDF: 391050.9/53

In: 1516.285+/-0.192 χ^2/NDF:907260.9/46

Out: 1523.632+/-0.184 χ^2/NDF:875408.8/54

All: 1520.126+/-0.133 χ^2/NDF: 1783431.8/10

diff_bpm0i05X_mean vs Slug, Sign Corrected



Right In: 42.916+/-0.491 χ^2/NDF: 5657.3/23

Left Out: -27.692+/-0.496 χ^2/NDF:766.1/24

Right Out: 29.456+/-0.452 χ^2/NDF: 1890.3/29

Left In: -62.558+/-0.512 χ^2/NDF:2458.2/22

Left: -44.581+/-0.356 χ^2/NDF: 5617.4/47

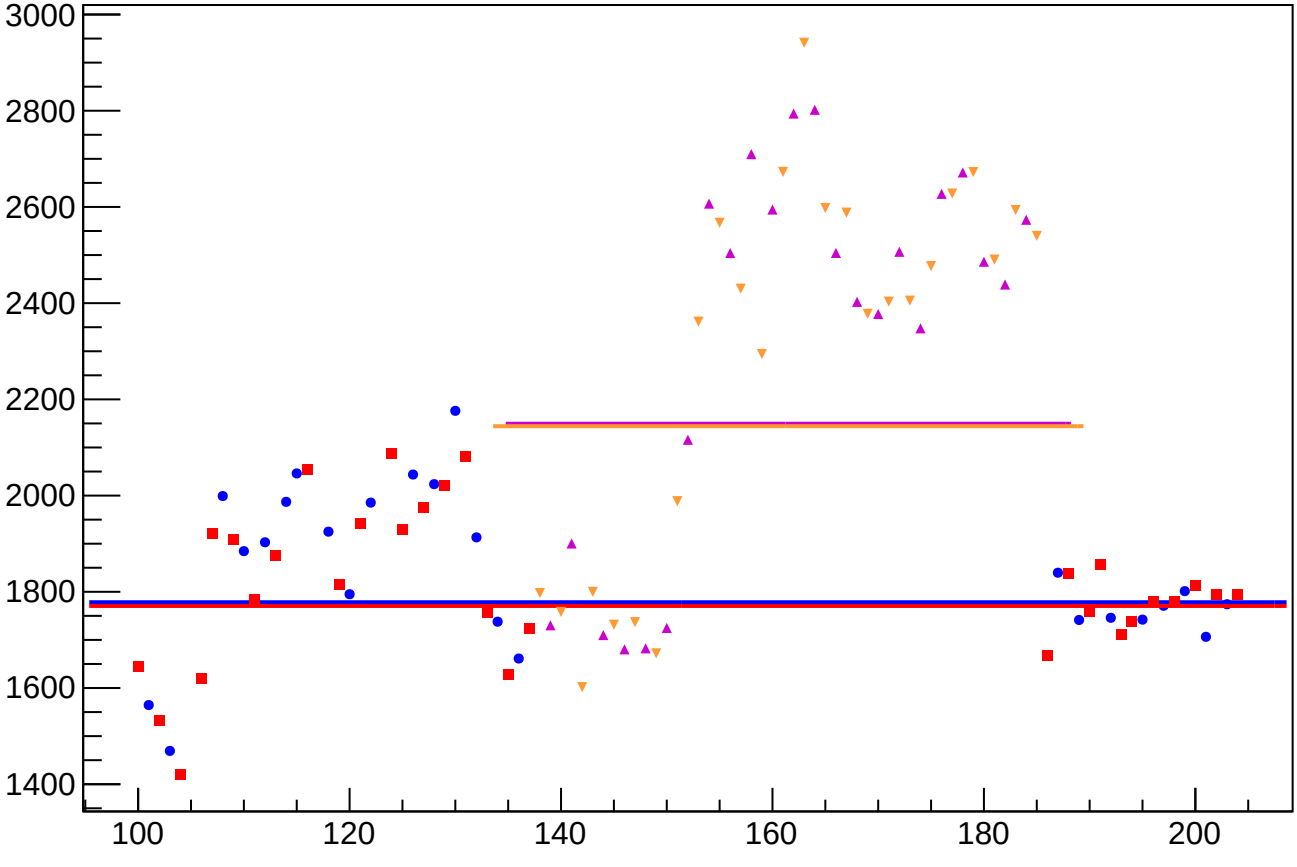
Right: 35.626+/-0.332 χ^2/NDF: 7954.5/53

In: -7.644+/-0.354 χ^2/NDF:30231.5/46

Out: 3.546+/-0.334 χ^2/NDF:9911.9/54

All: -1.719+/-0.243 χ^2/NDF: 40671.5/101

diff_bpm0i05X_rms vs Slug, Sign Corrected



Right In: 1778.300+/-0.347 χ^2/NDF: 200148.2/23

Left Out: 2144.219+/-0.351 χ^2/NDF:1279852.9/24

Right Out: 1770.591+/-0.319 χ^2/NDF: 201054.1/29

Left In: 2149.354+/-0.362 χ^2/NDF:1265722.5/22

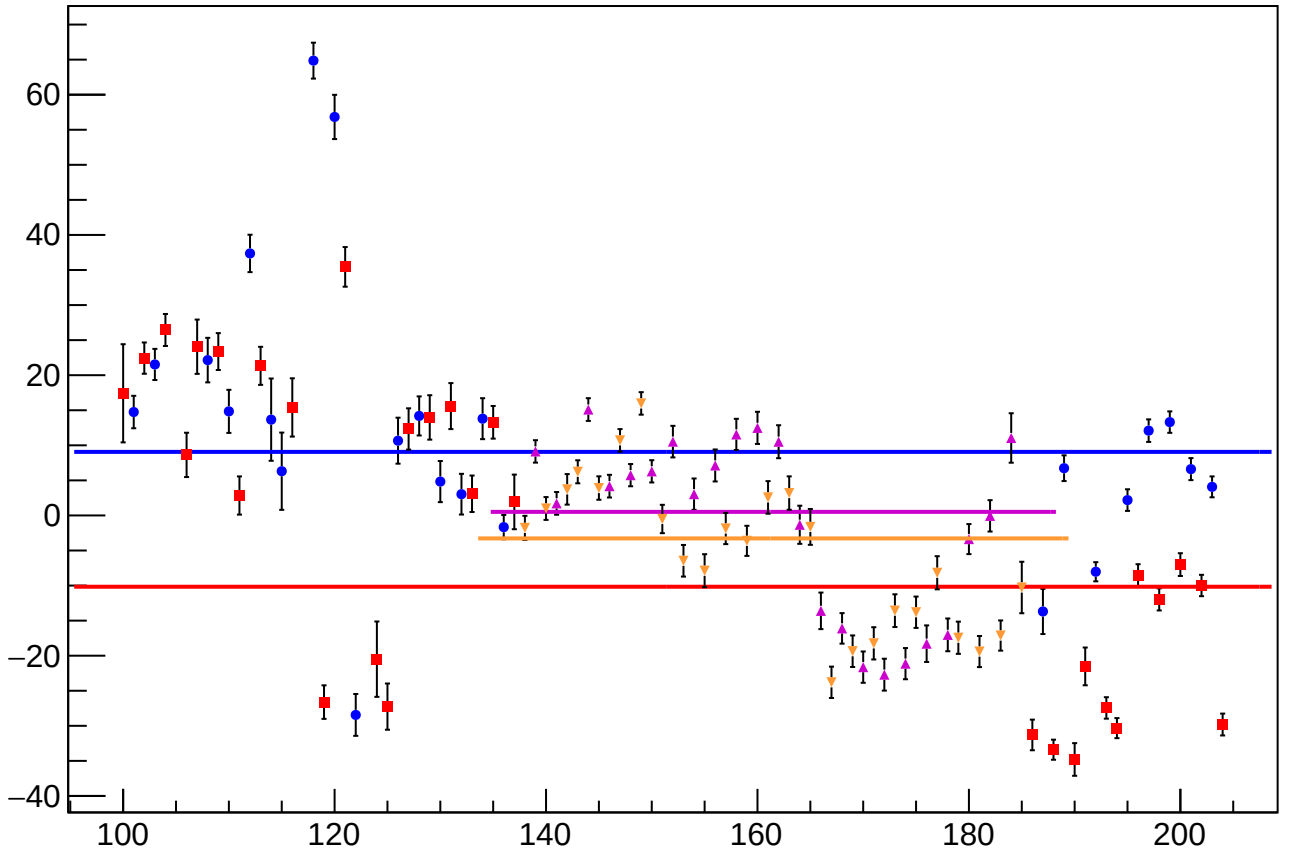
Left: 2146.707+/-0.252 χ^2/NDF: 2545679.2/47

Right: 1774.125+/-0.235 χ^2/NDF: 401469.3/53

In: 1956.168+/-0.251 χ^2/NDF:2013301.3/46

Out: 1939.988+/-0.236 χ^2/NDF:2101175.0/54

All: 1947.601+/-0.172 χ^2/NDF: 4116684.8/10



Right In: 9.065+/-0.443 χ^2/NDF: 1337.2/23

Left Out: -3.275+/-0.415 χ^2/NDF:671.1/24

Right Out: -10.166+/-0.404 χ^2/NDF: 2590.2/29

Left In: 0.511+/-0.430 χ^2/NDF:745.8/22

Left: -1.450+/-0.298 χ^2/NDF: 1457.1/47

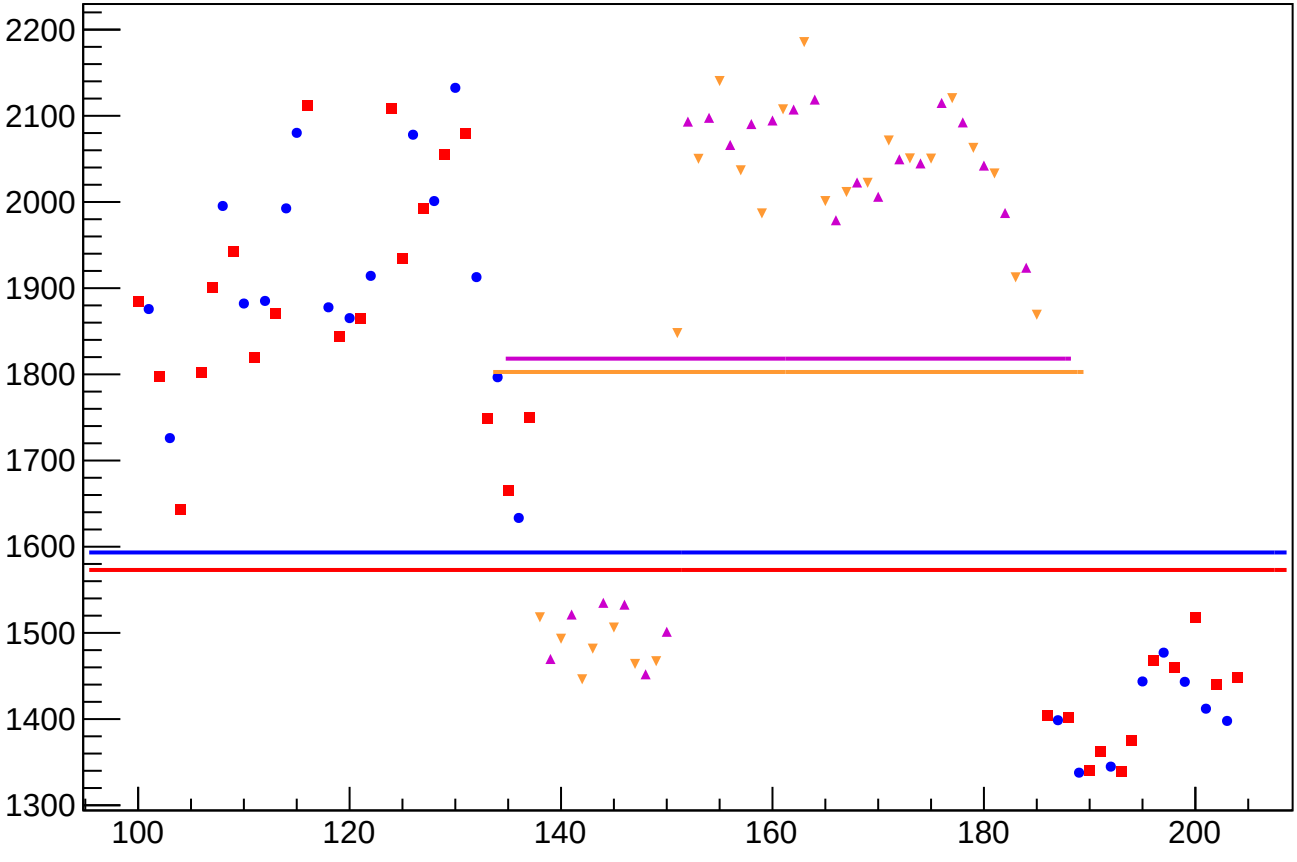
Right: -1.438+/-0.299 χ^2/NDF: 4955.3/53

In: 4.655+/-0.309 χ^2/NDF:2275.0/46

Out: -6.809+/-0.289 χ^2/NDF:3402.9/54

All: -1.444+/-0.211 χ^2/NDF: 6412.4/101

diff_bpm0i05Y_rms vs Slug, Sign Corrected



Right In: 1593.325+/-0.313 χ^2/NDF: 609184.0/23

Left Out: 1802.748+/-0.293 χ^2/NDF:897375.1/24

Right Out: 1573.019+/-0.286 χ^2/NDF: 612820.9/29

Left In: 1818.225+/-0.304 χ^2/NDF:840353.0/22

Left: 1810.209+/-0.211 χ^2/NDF: 1739071.4/47

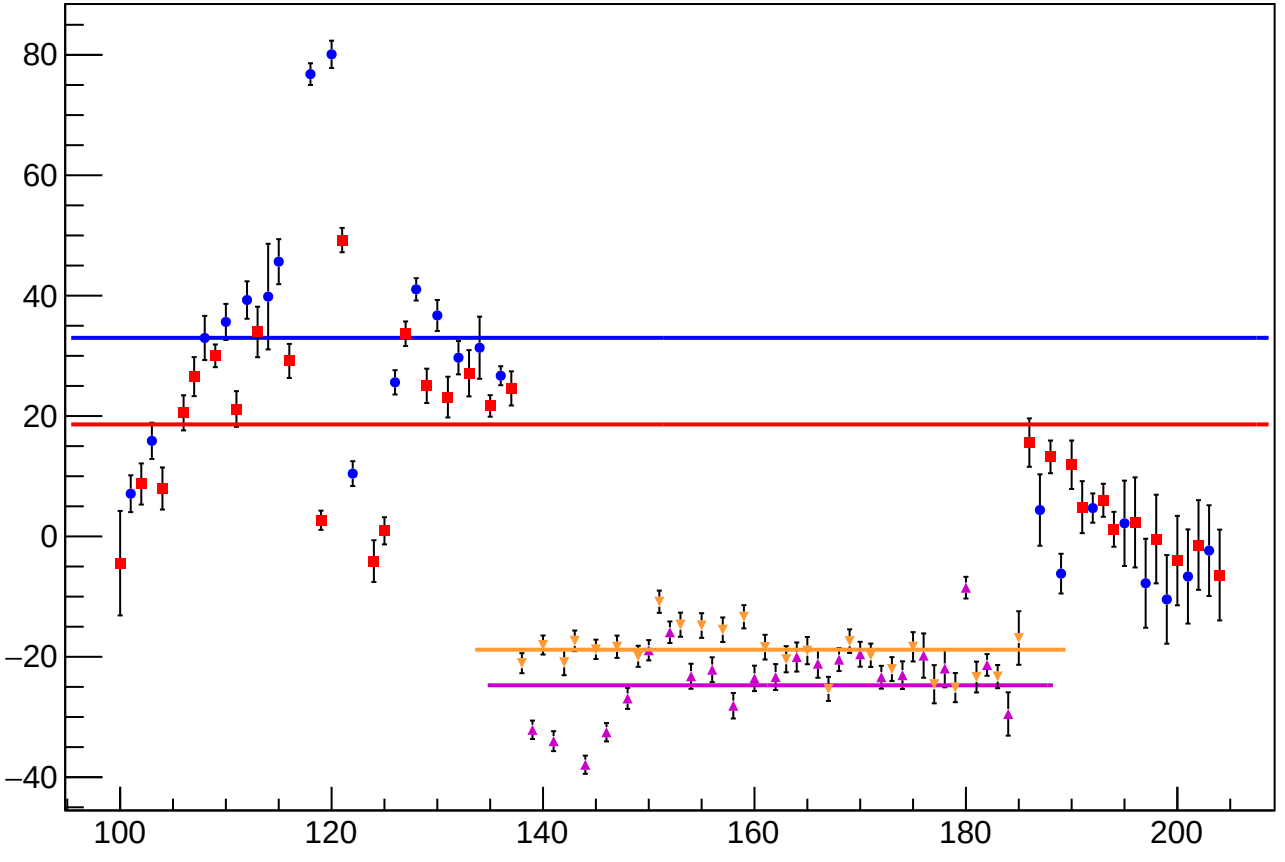
Right: 1582.235+/-0.211 χ^2/NDF: 1224297.0/53

In: 1709.252+/-0.218 χ^2/NDF:1714903.1/46

Out: 1684.926+/-0.205 χ^2/NDF:1825066.8/54

All: 1696.310+/-0.149 χ^2/NDF: 3546583.1/10

diff_bpm0i07X_mean vs Slug, Sign Corrected



Right In: 32.993+/-0.581 χ^2/NDF: 1742.5/23

Left Out: -18.816+/-0.402 χ^2/NDF:74.9/24

Right Out: 18.612+/-0.535 χ^2/NDF: 716.8/29

Left In: -24.731+/-0.409 χ^2/NDF:308.0/22

Left: -21.723+/-0.287 χ^2/NDF: 489.4/47

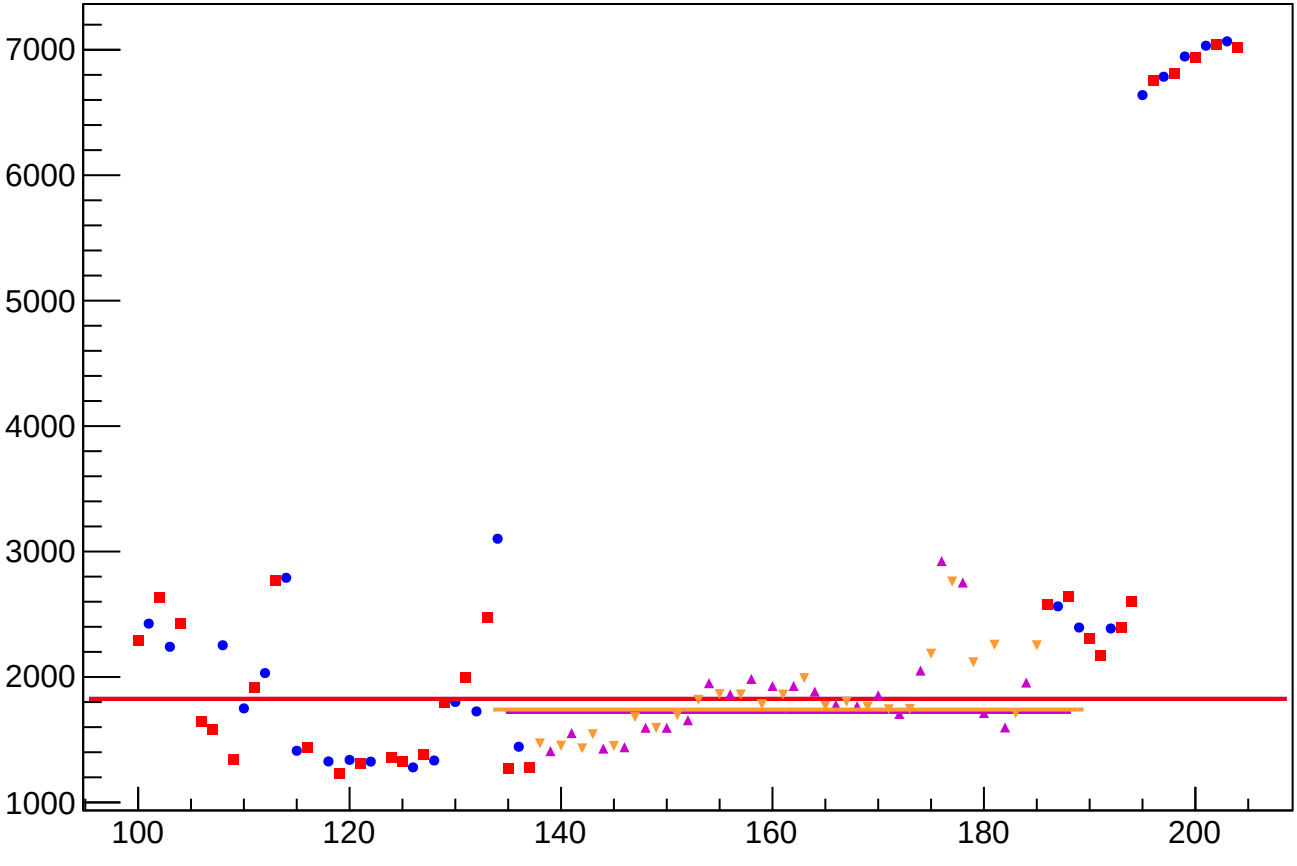
Right: 25.205+/-0.393 χ^2/NDF: 2791.0/53

In: -5.622+/-0.334 χ^2/NDF:8651.9/46

Out: -5.302+/-0.321 χ^2/NDF:3922.7/54

All: -5.456+/-0.232 χ^2/NDF: 12575.1/101

diff_bpm0i07X_rms vs Slug, Sign Corrected



Right In: 1825.579+/-0.411 χ^2/NDF: 5929440.9/23

Left Out: 1740.089+/-0.284 χ^2/NDF:753377.5/24

Right Out: 1825.432+/-0.378 χ^2/NDF: 6619707.6/29

Left In: 1720.864+/-0.289 χ^2/NDF:883990.4/22

Left: 1730.639+/-0.203 χ^2/NDF: 1639617.2/47

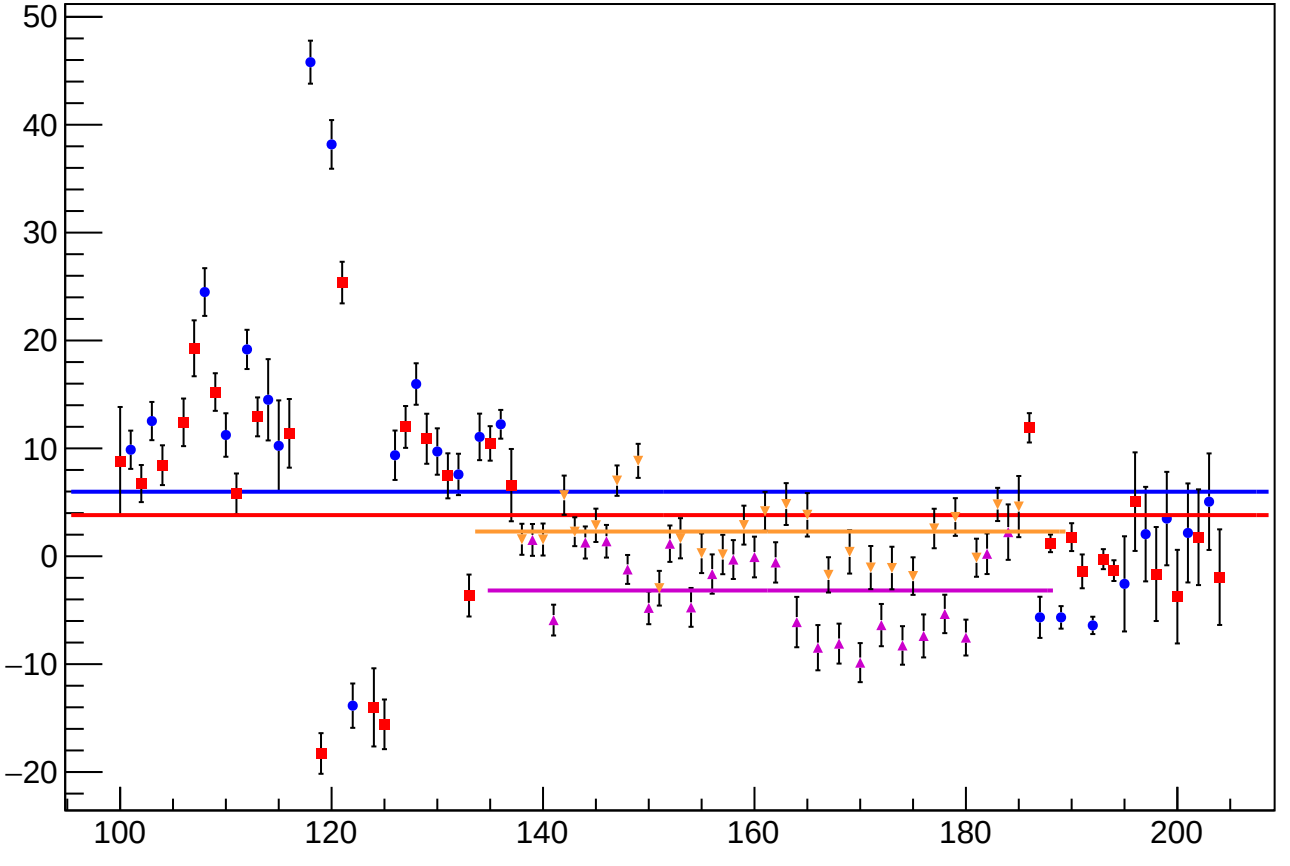
Right: 1825.499+/-0.278 χ^2/NDF: 12549148.6/53

In: 1755.528+/-0.236 χ^2/NDF:6856877.5/46

Out: 1770.904+/-0.227 χ^2/NDF:7405644.7/54

All: 1763.523+/-0.164 χ^2/NDF: 14264721.6/

diff_bpm0i07Y_mean vs Slug, Sign Corrected



Right In: 5.983+/-0.380 χ^2/NDF: 1315.7/23

Left Out: 2.293+/-0.343 χ^2/NDF:73.5/24

Right Out: 3.815+/-0.319 χ^2/NDF: 670.5/29

Left In: -3.173+/-0.362 χ^2/NDF:110.4/22

Left: -0.293+/-0.249 χ^2/NDF: 303.7/47

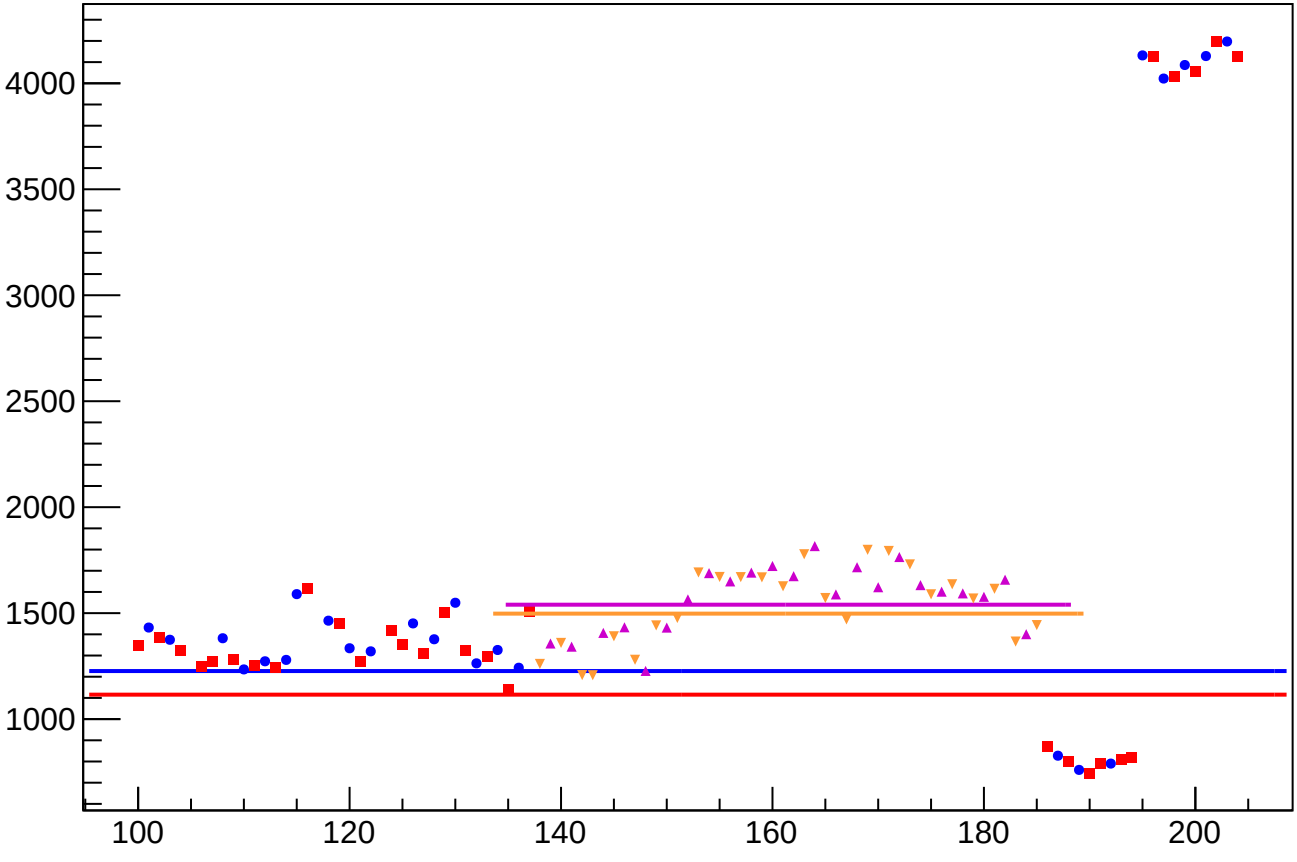
Right: 4.711+/-0.244 χ^2/NDF: 2005.2/53

In: 1.188+/-0.262 χ^2/NDF:1730.0/46

Out: 3.110+/-0.234 χ^2/NDF:754.5/54

All: 2.259+/-0.175 χ^2/NDF: 2514.4/101

diff_bpm0i07Y_rms vs Slug, Sign Corrected



Right In: 1226.770+/-0.269 χ^2/NDF: 5498947.0/23

Left Out: 1497.713+/-0.243 χ^2/NDF:568629.4/24

Right Out: 1115.405+/-0.226 χ^2/NDF: 6020429.3/29

Left In: 1539.884+/-0.256 χ^2/NDF:380330.7/22

Left: 1517.667+/-0.176 χ^2/NDF: 963225.2/47

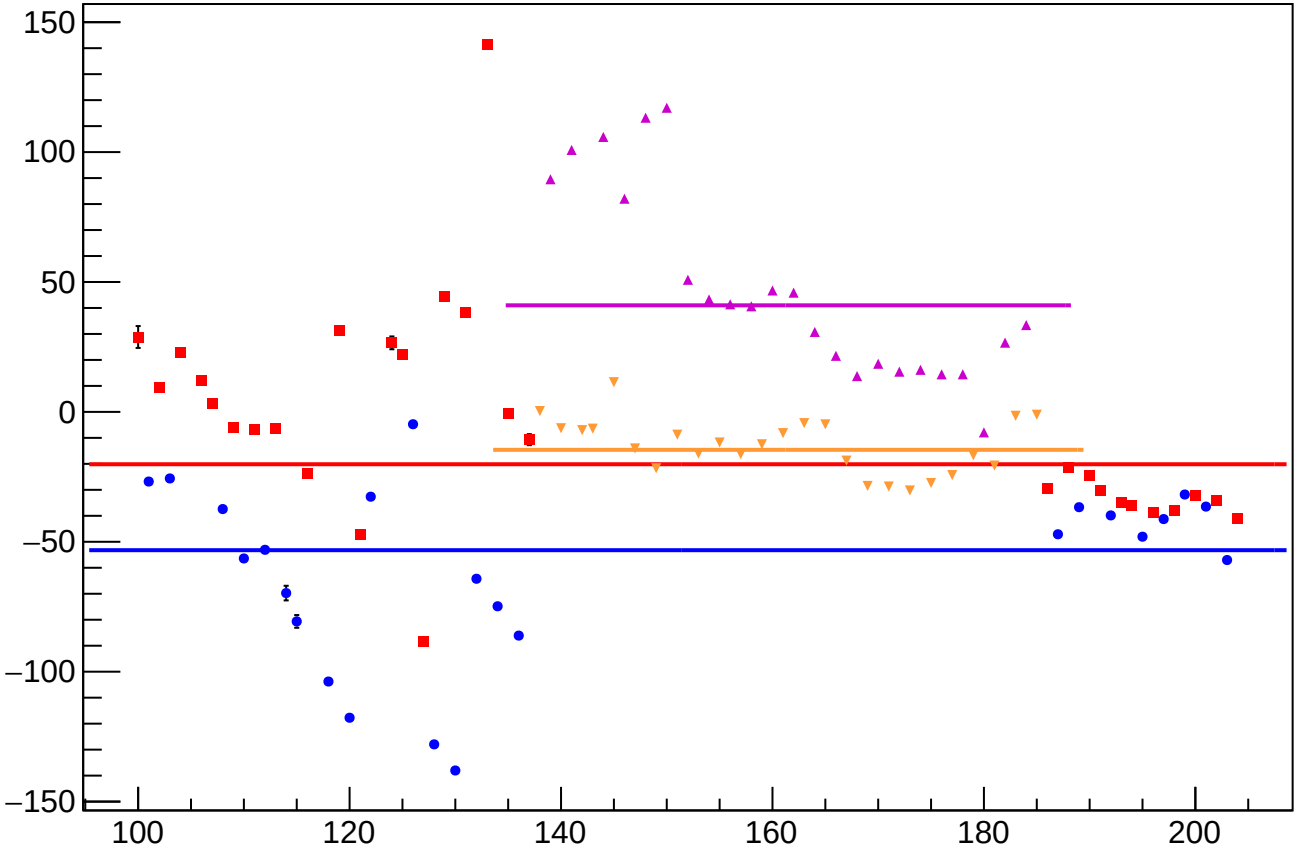
Right: 1161.446+/-0.173 χ^2/NDF: 11620124.3/53

In: 1390.737+/-0.185 χ^2/NDF:6590299.5/46

Out: 1292.477+/-0.165 χ^2/NDF:7919243.7/54

All: 1335.976+/-0.123 χ^2/NDF: 14665987.8/1

diff_bpm1i02X_mean vs Slug, Sign Corrected



Right In: -53.232+/-0.211 χ^2/NDF: 17756.7/23

Left Out: -14.597+/-0.183 χ^2/NDF:3159.3/24

Right Out: -20.151+/-0.190 χ^2/NDF: 30894.0/29

Left In: 41.021+/-0.190 χ^2/NDF:31066.6/22

Left: 12.192+/-0.132 χ^2/NDF: 78745.1/47

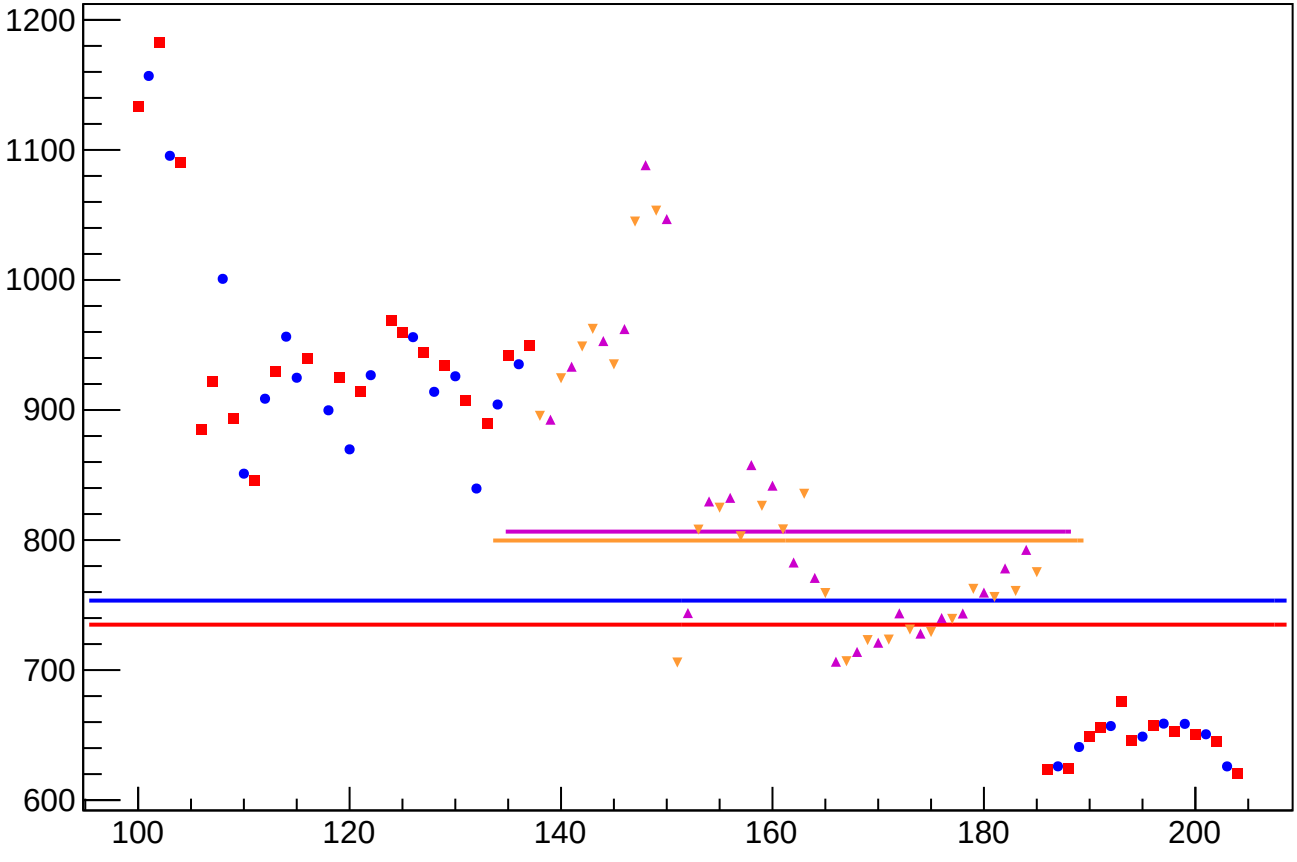
Right: -34.991+/-0.141 χ^2/NDF: 62201.1/53

In: -1.123+/-0.141 χ^2/NDF:159111.6/46

Out: -17.265+/-0.132 χ^2/NDF:34495.9/54

All: -9.738+/-0.096 χ^2/NDF: 200591.1/101

diff_bpm1i02X_rms vs Slug, Sign Corrected



Right In: 753.440+/-0.149 χ^2/NDF: 978247.8/23

Left Out: 799.639+/-0.129 χ^2/NDF:497430.7/24

Right Out: 734.931+/-0.135 χ^2/NDF: 1144052.1/29

Left In: 806.478+/-0.134 χ^2/NDF:511294.8/22

Left: 802.933+/-0.093 χ^2/NDF: 1010071.7/47

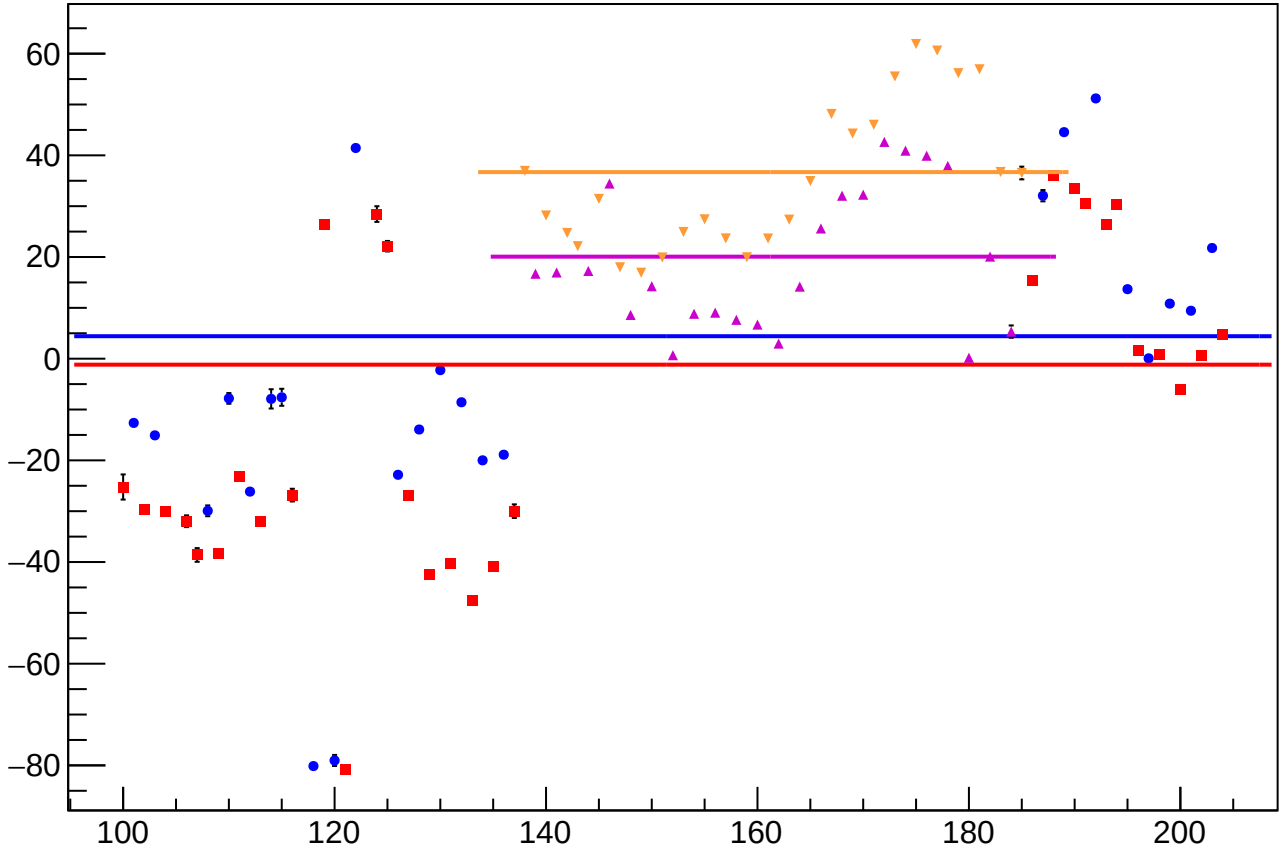
Right: 743.233+/-0.100 χ^2/NDF: 2130784.4/53

In: 782.763+/-0.100 χ^2/NDF:1559389.0/46

Out: 768.565+/-0.093 χ^2/NDF:1761640.1/54

All: 775.186+/-0.068 χ^2/NDF: 3331834.6/101

diff_bpm1i02Y_mean vs Slug, Sign Corrected



Right In: 4.421+/-0.152 χ^2/NDF: 39158.1/23

Left Out: 36.705+/-0.145 χ^2/NDF:10231.1/24

Right Out: -1.175+/-0.138 χ^2/NDF: 43099.8/29

Left In: 20.069+/-0.151 χ^2/NDF:8560.6/22

Left: 28.712+/-0.105 χ^2/NDF: 25078.0/47

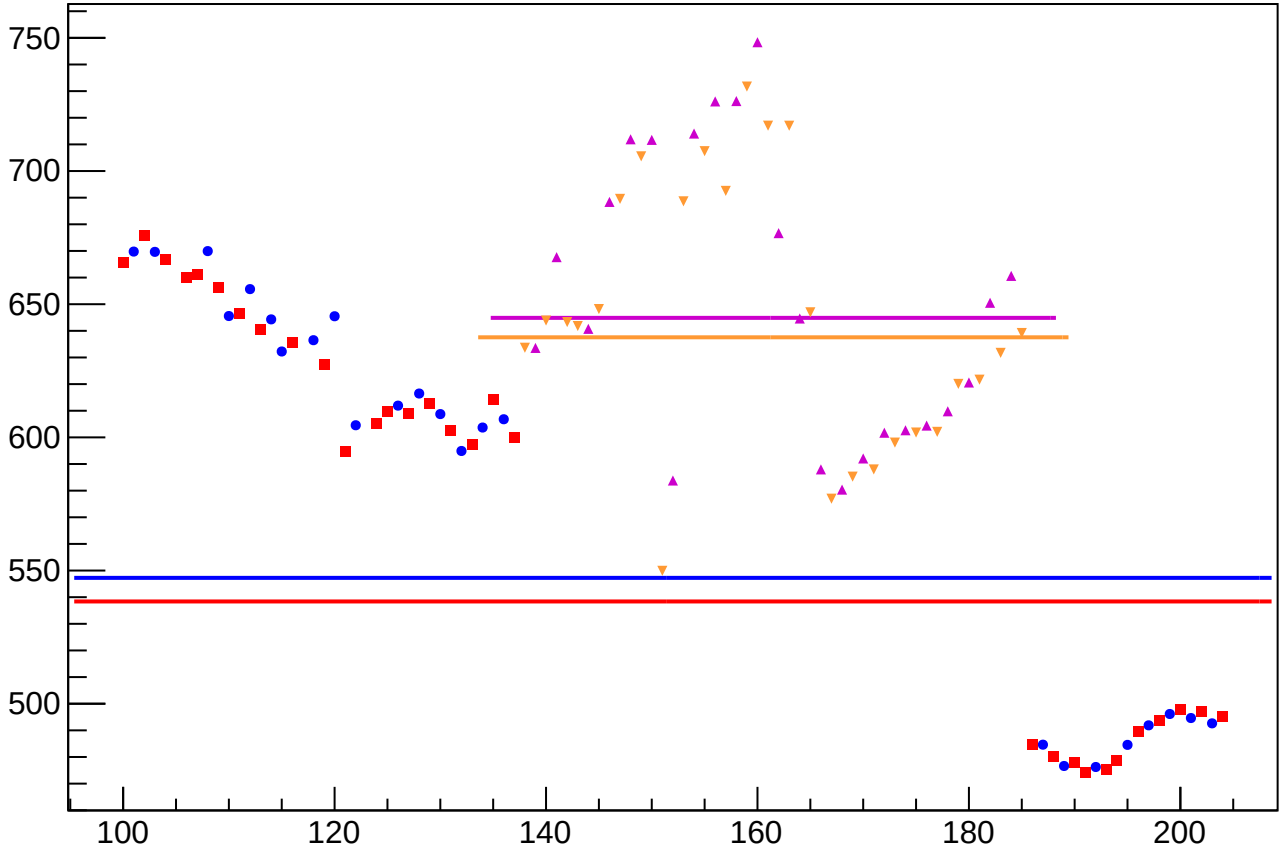
Right: 1.358+/-0.102 χ^2/NDF: 83002.7/53

In: 12.269+/-0.107 χ^2/NDF:53055.5/46

Out: 16.769+/-0.100 χ^2/NDF:89037.8/54

All: 14.671+/-0.073 χ^2/NDF: 143035.6/101

diff_bpm1i02Y_rms vs Slug, Sign Corrected



Right In: 547.255+/-0.107 χ^2/NDF: 455707.6/23

Left Out: 637.569+/-0.103 χ^2/NDF:236539.6/24

Right Out: 538.395+/-0.098 χ^2/NDF: 522530.4/29

Left In: 644.873+/-0.107 χ^2/NDF:229560.3/22

Left: 641.078+/-0.074 χ^2/NDF: 468523.1/47

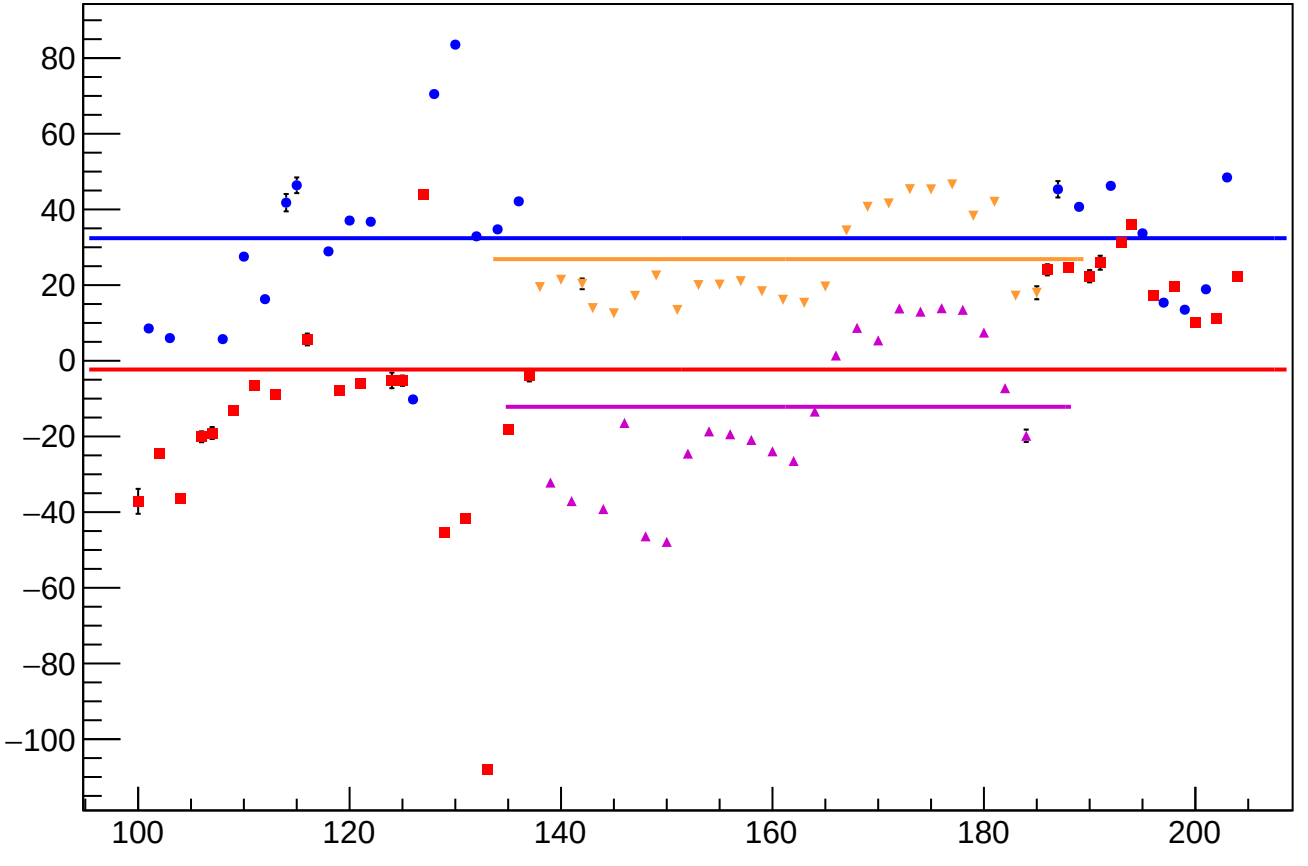
Right: 542.406+/-0.072 χ^2/NDF: 981972.4/53

In: 596.211+/-0.076 χ^2/NDF:1100640.9/46

Out: 585.374+/-0.071 χ^2/NDF:1248589.0/54

All: 590.427+/-0.052 χ^2/NDF: 2360159.2/101

diff_bpm1i04X_mean vs Slug, Sign Corrected



Right In: 32.402+/-0.231 χ^2/NDF: 8057.7/23

Left Out: 26.866+/-0.207 χ^2/NDF:3390.4/24

Right Out: -2.311+/-0.217 χ^2/NDF: 21680.3/29

Left In: -12.159+/-0.214 χ^2/NDF:8547.0/22

Left: 8.004+/-0.149 χ^2/NDF: 29170.3/47

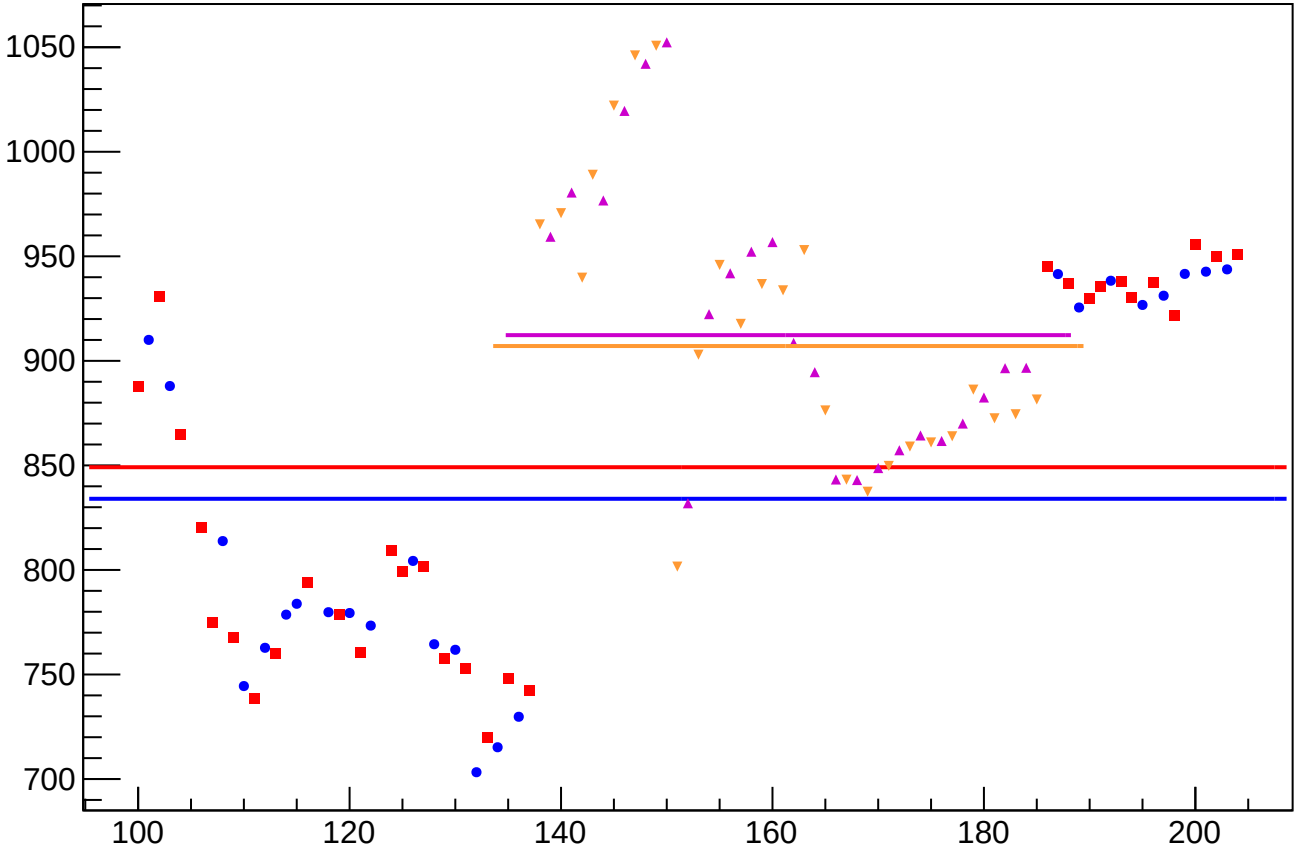
Right: 13.990+/-0.158 χ^2/NDF: 41763.4/53

In: 8.433+/-0.157 χ^2/NDF:36700.8/46

Out: 12.983+/-0.150 χ^2/NDF:34553.8/54

All: 10.814+/-0.108 χ^2/NDF: 71695.6/101

diff_bpm1i04X_rms vs Slug, Sign Corrected



Right In: 834.033+/-0.163 χ^2/NDF: 300043.2/23

Left Out: 907.089+/-0.146 χ^2/NDF:194606.8/24

Right Out: 849.132+/-0.153 χ^2/NDF: 323349.5/29

Left In: 912.301+/-0.151 χ^2/NDF:174715.2/22

Left: 909.608+/-0.105 χ^2/NDF: 369936.7/47

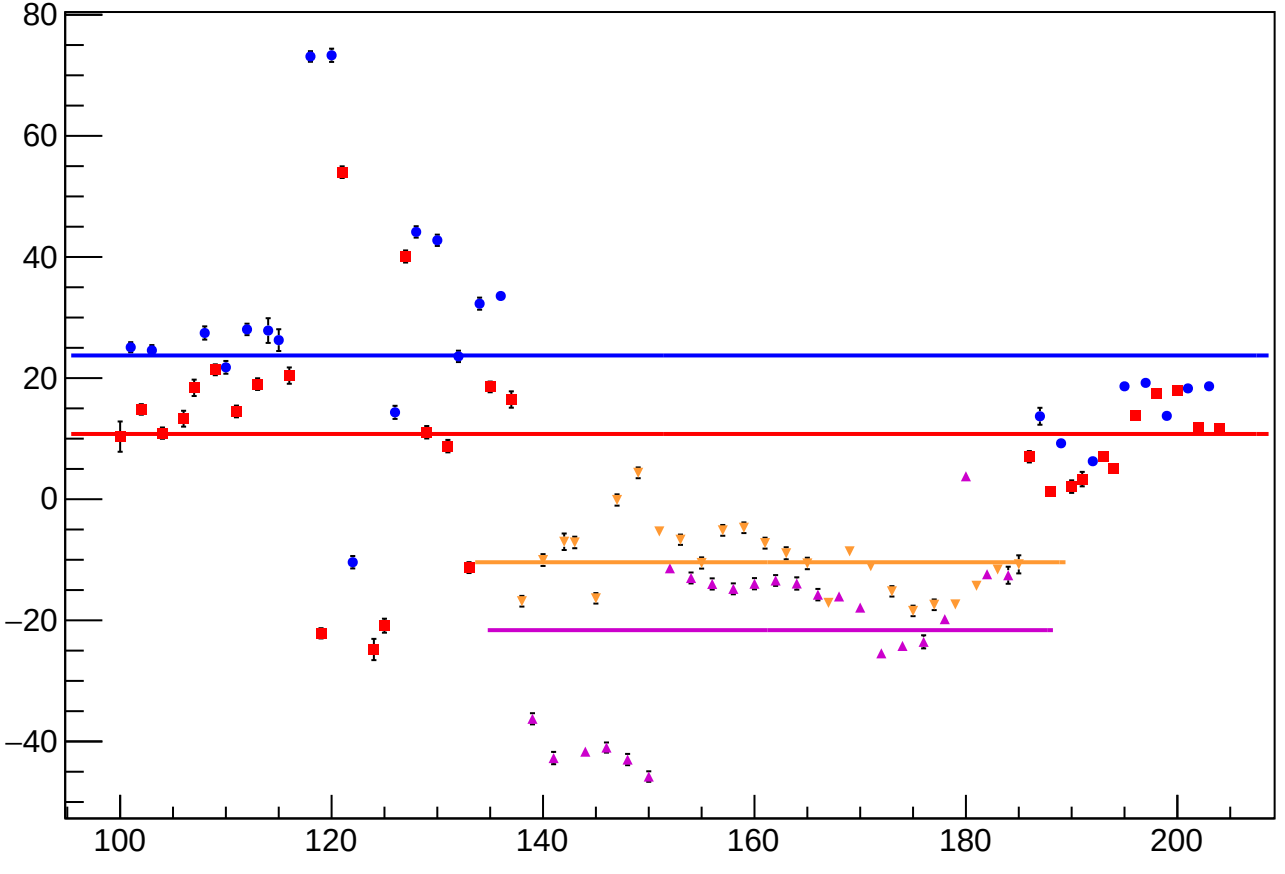
Right: 842.041+/-0.112 χ^2/NDF: 627943.1/53

In: 876.132+/-0.111 χ^2/NDF:598750.7/46

Out: 879.512+/-0.106 χ^2/NDF:592792.8/54

All: 877.900+/-0.077 χ^2/NDF: 1192030.1/101

diff_bpm1i04Y_mean vs Slug, Sign Corrected



Right In: 23.738+/-0.170 χ^2/NDF: 9388.6/23

Left Out: -10.406+/-0.176 χ^2/NDF:1041.8/24

Right Out: 10.775+/-0.160 χ^2/NDF: 7303.2/29

Left In: -21.621+/-0.182 χ^2/NDF:5241.8/22

Left: -15.828+/-0.126 χ^2/NDF: 8246.4/47

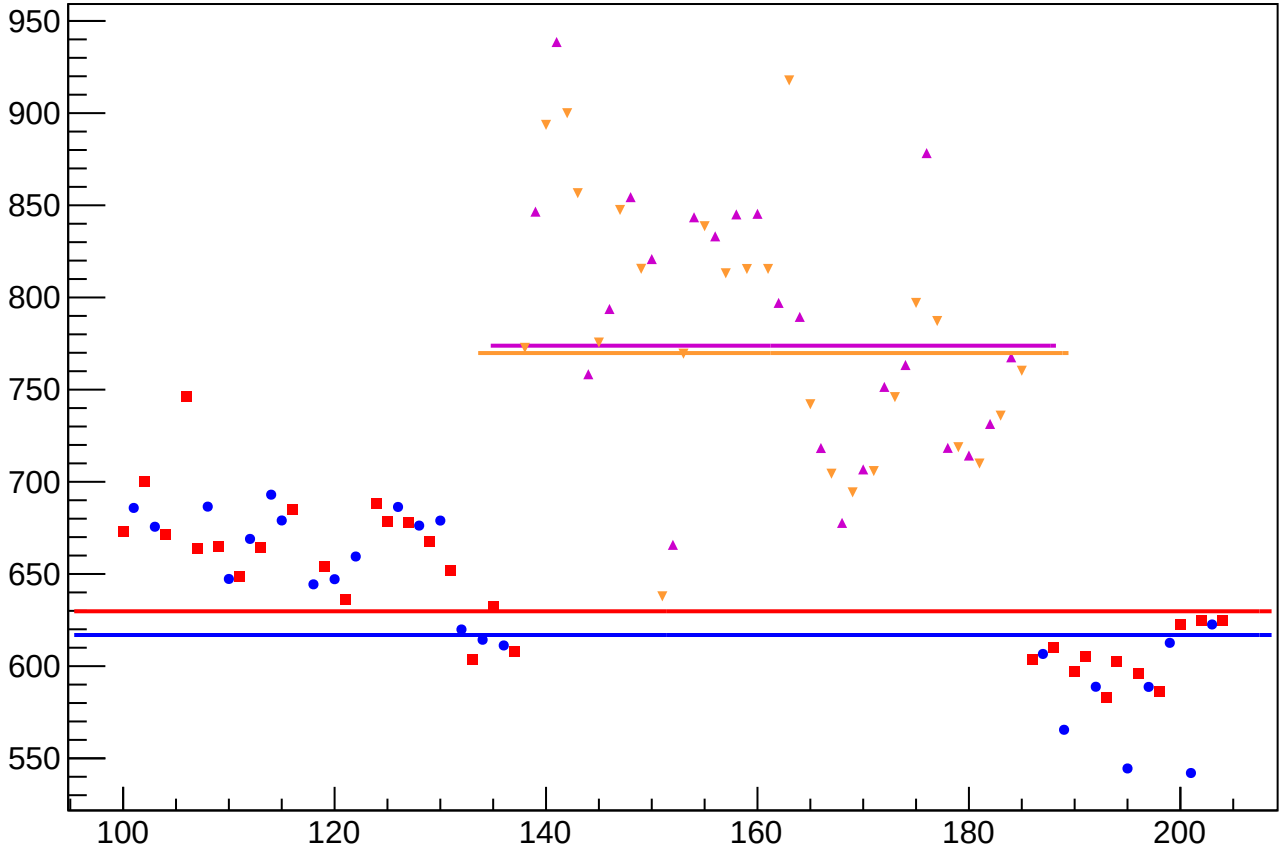
Right: 16.864+/-0.117 χ^2/NDF: 19758.3/53

In: 2.533+/-0.124 χ^2/NDF:47729.3/46

Out: 1.162+/-0.119 χ^2/NDF:16255.2/54

All: 1.815+/-0.086 χ^2/NDF: 64048.2/101

diff_bpm1i04Y_rms vs Slug, Sign Corrected



Right In: 616.900+/-0.121 χ^2/NDF: 153109.6/23

Left Out: 769.850+/-0.124 χ^2/NDF:304526.6/24

Right Out: 629.766+/-0.113 χ^2/NDF: 97503.2/29

Left In: 773.845+/-0.129 χ^2/NDF:282843.1/22

Left: 771.781+/-0.089 χ^2/NDF: 587867.8/47

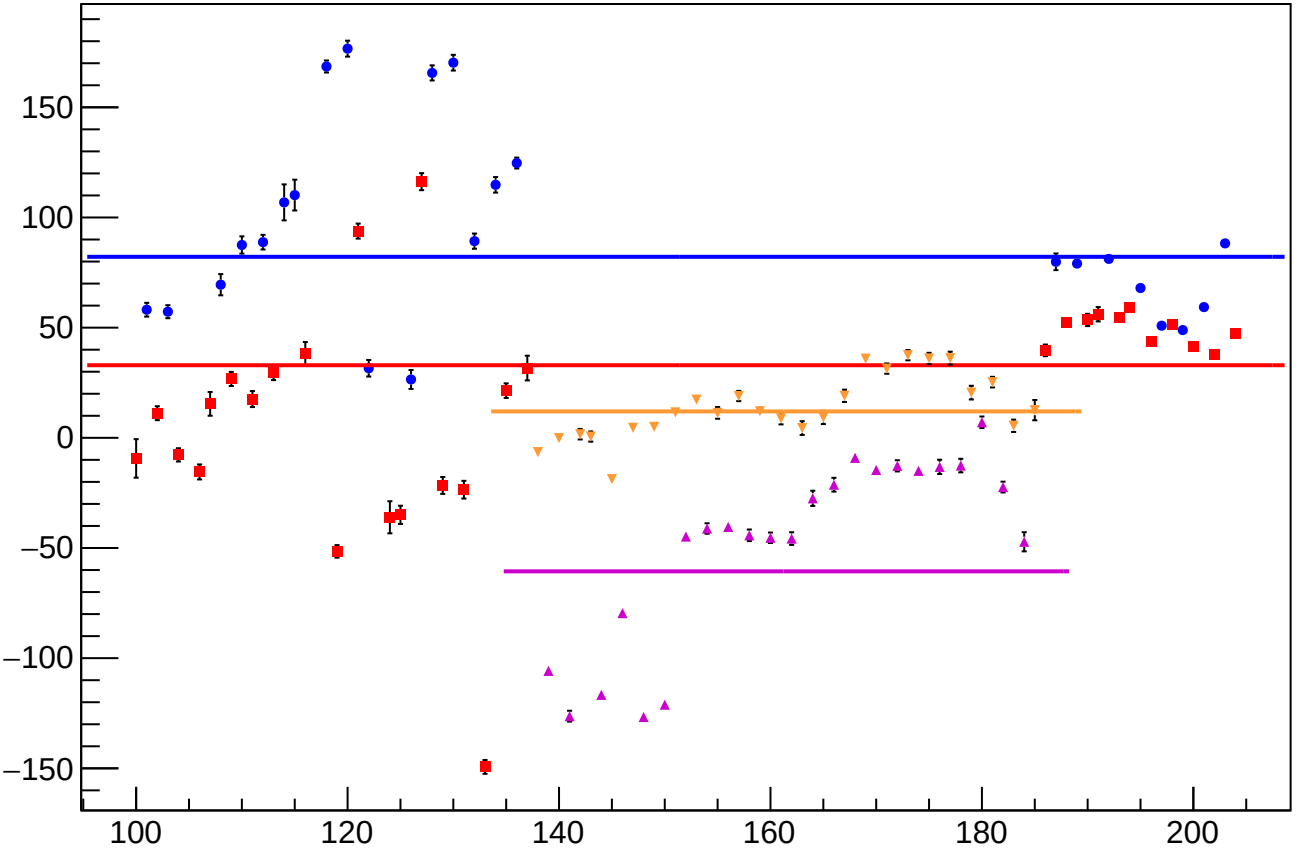
Right: 623.722+/-0.083 χ^2/NDF: 256653.9/53

In: 690.271+/-0.088 χ^2/NDF:1228477.3/46

Out: 693.341+/-0.084 χ^2/NDF:1094024.2/54

All: 691.879+/-0.061 χ^2/NDF: 2323140.0/101

diff_bpm1i06X_mean vs Slug, Sign Corrected



Right In: 82.156+/-0.529 χ^2/NDF: 4681.7/23

Left Out: 11.989+/-0.472 χ^2/NDF:947.1/24

Right Out: 32.941+/-0.489 χ^2/NDF: 7162.0/29

Left In: -60.598+/-0.481 χ^2/NDF:8638.1/22

Left: -23.591+/-0.337 χ^2/NDF: 21200.1/47

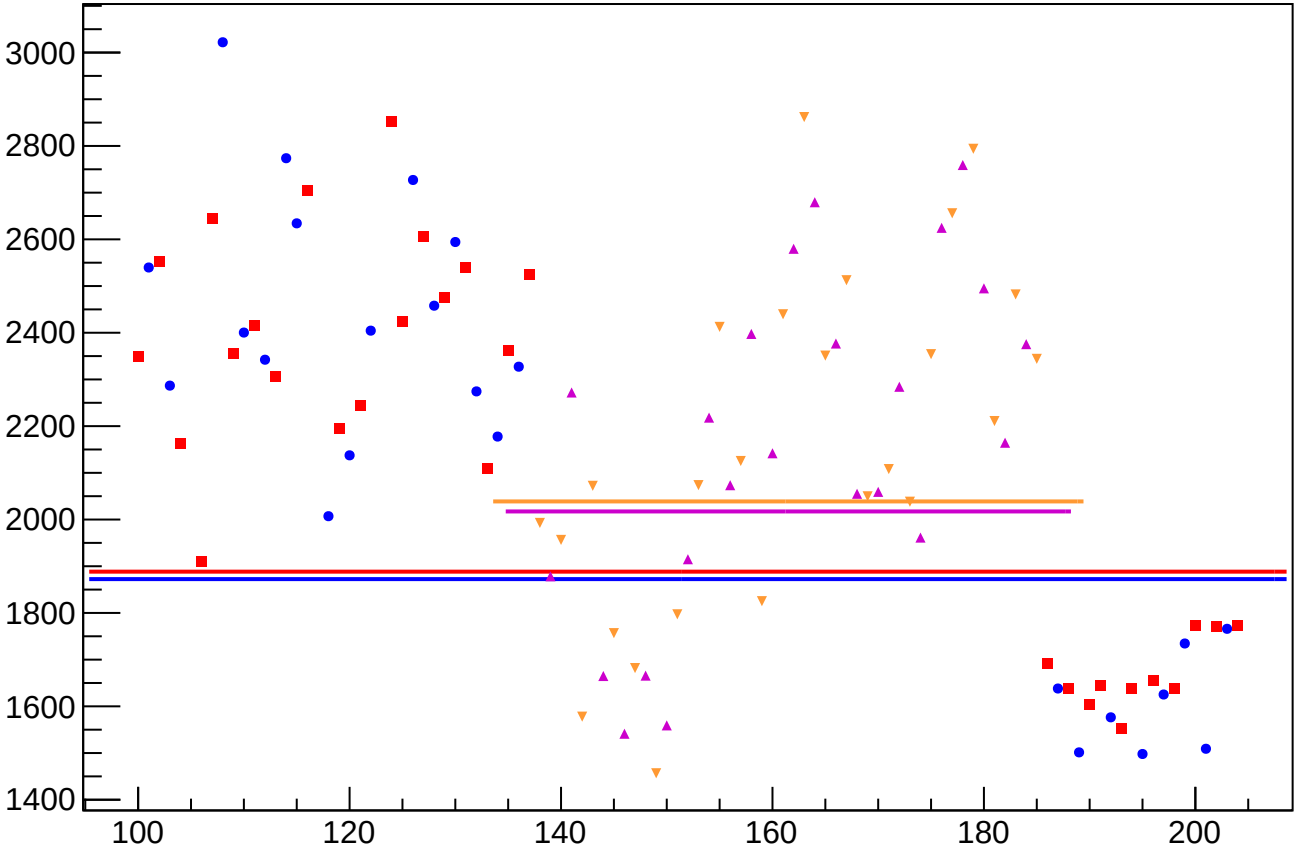
Right: 55.635+/-0.359 χ^2/NDF: 16514.8/53

In: 4.050+/-0.356 χ^2/NDF:53223.6/46

Out: 22.085+/-0.339 χ^2/NDF:9060.4/54

All: 13.490+/-0.246 χ^2/NDF: 63629.5/101

diff_bpm1i06X_rms vs Slug, Sign Corrected



Right In: 1872.442+/-0.374 χ^2/NDF: 1144369.7/23

Left Out: 2038.784+/-0.333 χ^2/NDF:1123518.3/24

Right Out: 1888.411+/-0.346 χ^2/NDF: 967890.0/29

Left In: 2017.328+/-0.340 χ^2/NDF:1050043.3/22

Left: 2028.267+/-0.238 χ^2/NDF: 2175591.3/47

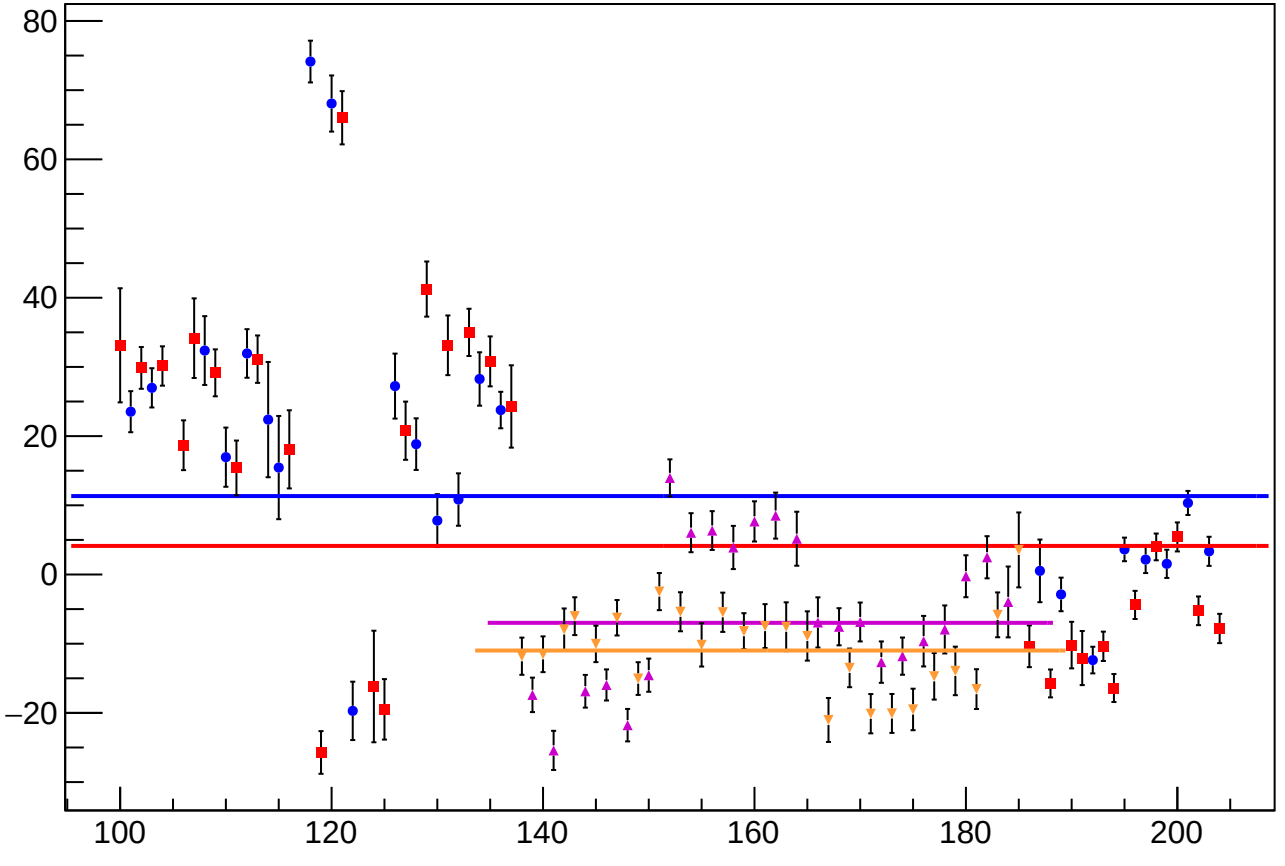
Right: 1881.048+/-0.254 χ^2/NDF: 2113243.4/53

In: 1951.715+/-0.252 χ^2/NDF:2276622.5/46

Out: 1966.325+/-0.240 χ^2/NDF:2189412.1/54

All: 1959.363+/-0.174 χ^2/NDF: 4467800.6/10

diff_bpm1i06Y_mean vs Slug, Sign Corrected



Right In: 11.335+/-0.574 χ^2/NDF: 1116.1/23

Left Out: -10.985+/-0.586 χ^2/NDF:87.6/24

Right Out: 4.132+/-0.543 χ^2/NDF: 1402.3/29

Left In: -6.985+/-0.598 χ^2/NDF:339.5/22

Left: -9.027+/-0.419 χ^2/NDF: 449.9/47

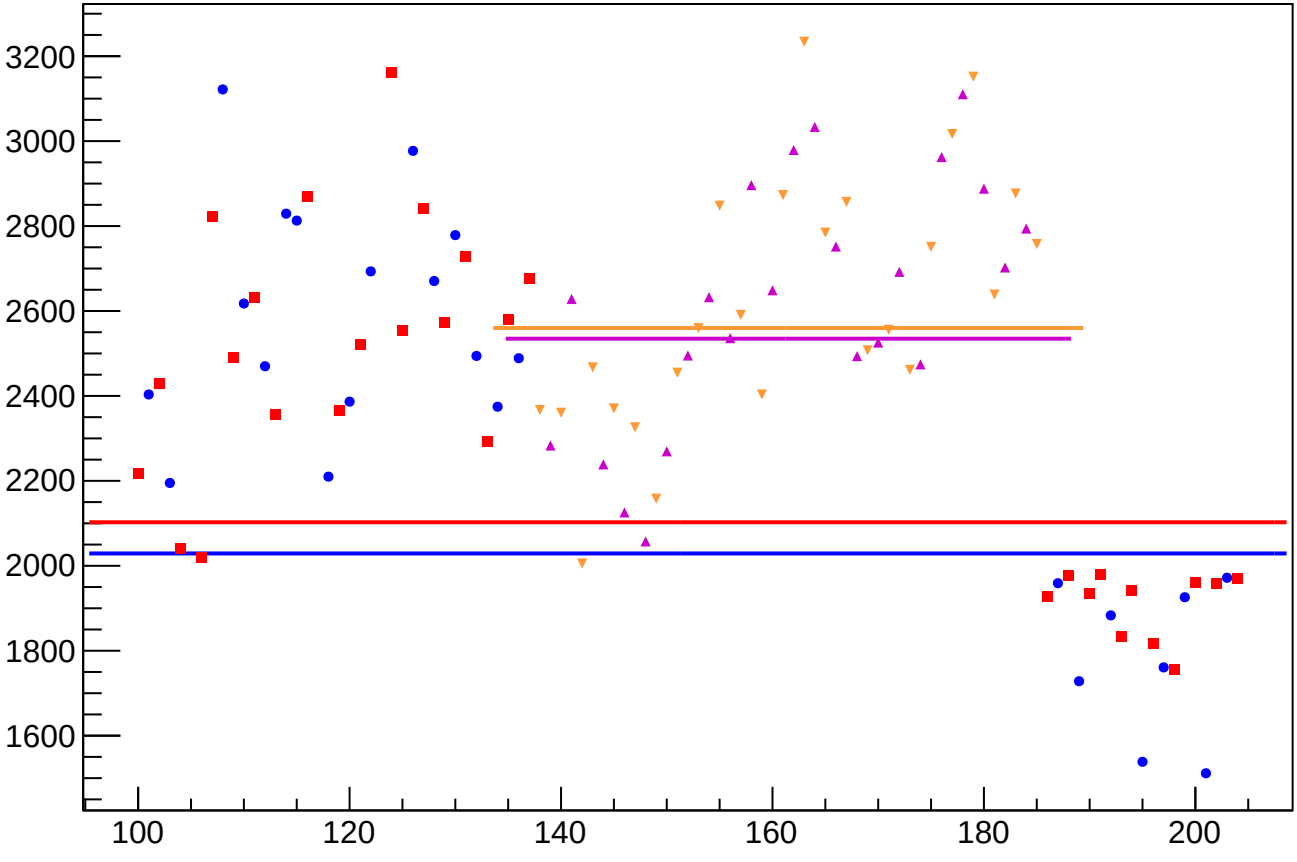
Right: 7.529+/-0.394 χ^2/NDF: 2601.5/53

In: 2.553+/-0.414 χ^2/NDF:1943.4/46

Out: -2.847+/-0.398 χ^2/NDF:1848.3/54

All: -0.255+/-0.287 χ^2/NDF: 3880.0/101

diff_bpm1i06Y_rms vs Slug, Sign Corrected



Right In: 2029.087+/-0.406 χ^2/NDF: 1071815.6/23

Left Out: 2559.931+/-0.414 χ^2/NDF:450188.5/24

Right Out: 2102.524+/-0.384 χ^2/NDF: 649119.3/29

Left In: 2534.780+/-0.423 χ^2/NDF:463621.9/22

Left: 2547.623+/-0.296 χ^2/NDF: 915614.3/47

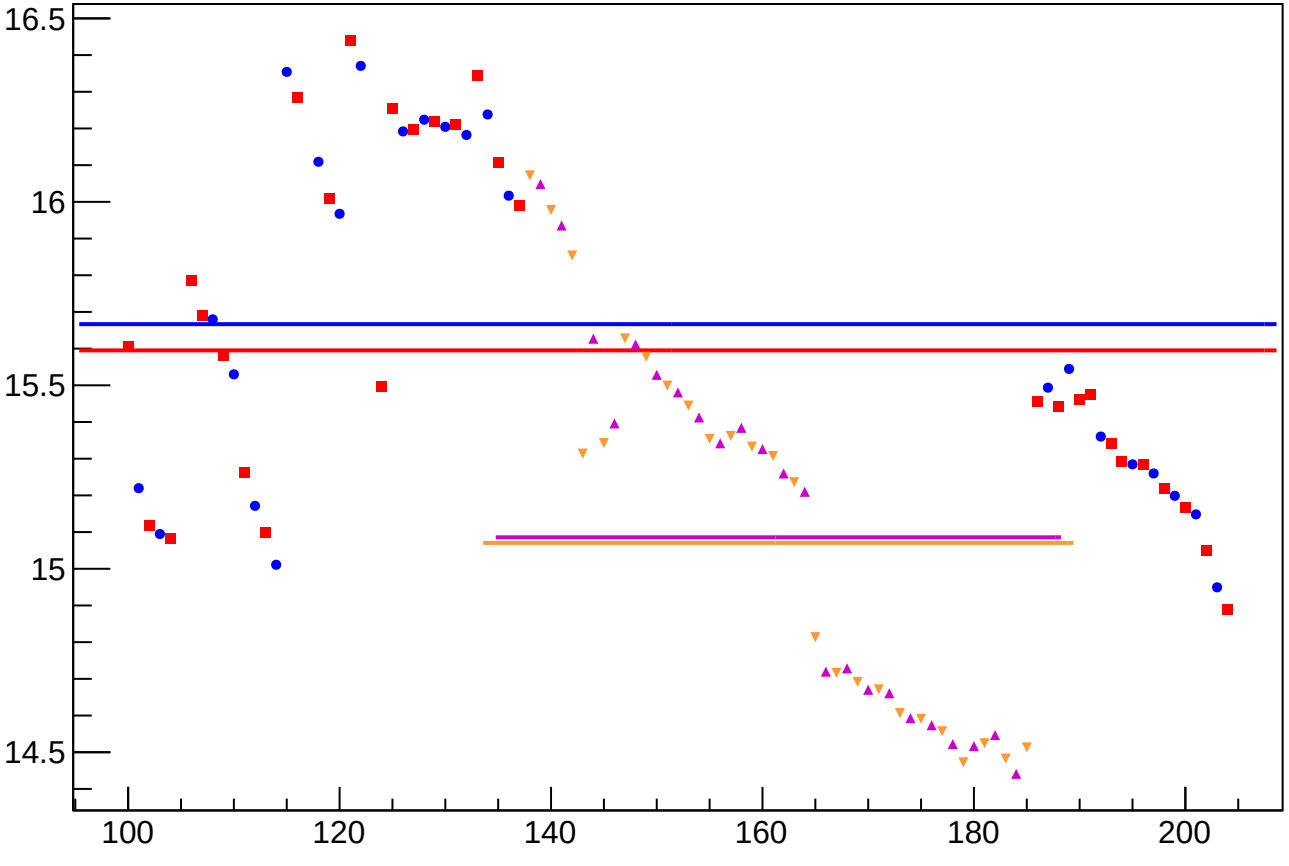
Right: 2067.893+/-0.279 χ^2/NDF: 1738216.3/53

In: 2271.516+/-0.293 χ^2/NDF:2278858.7/46

Out: 2313.671+/-0.281 χ^2/NDF:1755594.4/54

All: 2293.439+/-0.203 χ^2/NDF: 4045217.8/10

yield_sam1_mean vs Slug, Sign Corrected



Right In: 15.667+/-0.000 χ^2/NDF: 14388184212.7/23

Left Out: 15.070+/-0.000 χ^2/NDF:43718295237.2/24

Right Out: 15.595+/-0.000 χ^2/NDF: 15785620885.6/29

Left In: 15.086+/-0.000 χ^2/NDF:39504896066.7/22

Left: 15.078+/-0.000 χ^2/NDF: 83242630627.9/47

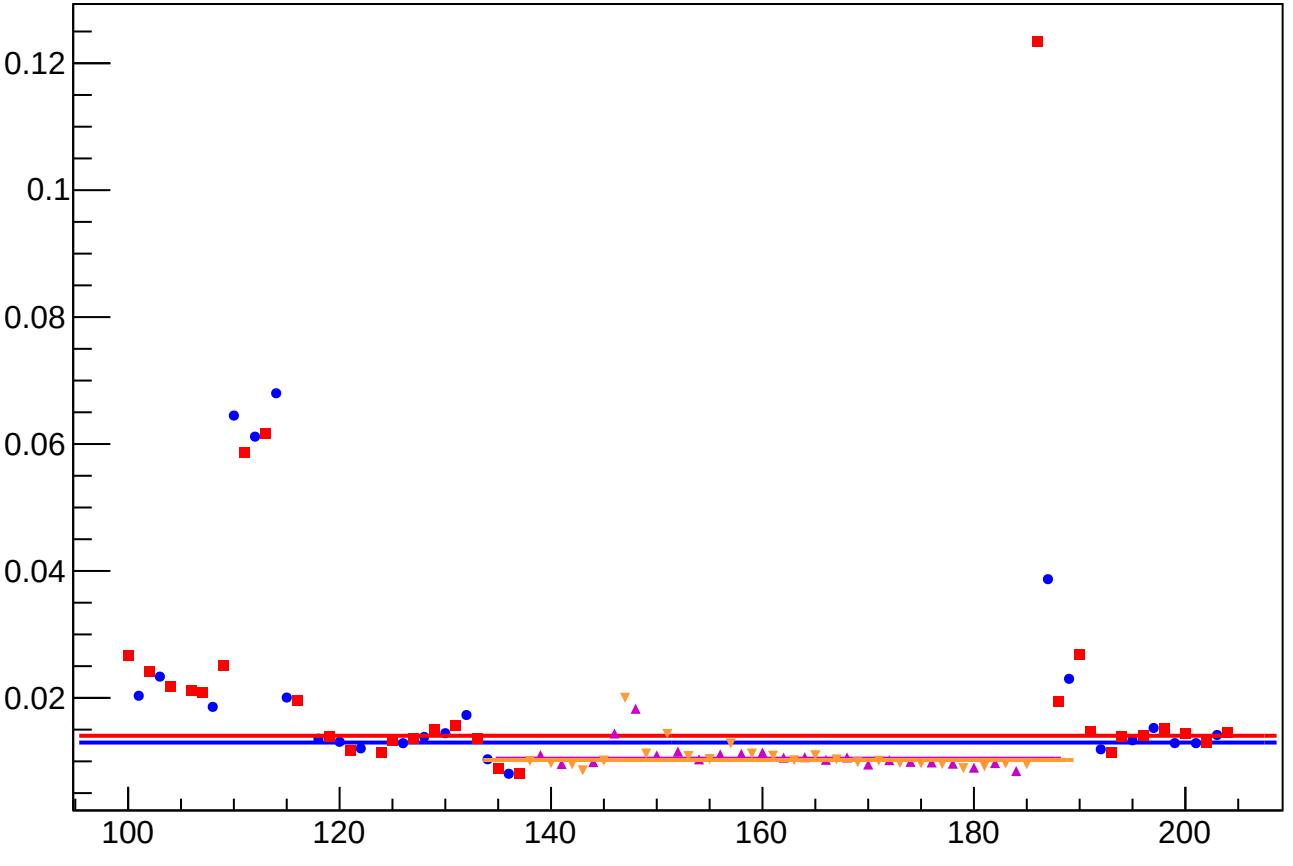
Right: 15.631+/-0.000 χ^2/NDF: 30341883709.8/53

In: 15.257+/-0.000 χ^2/NDF:69585240453.4/46

Out: 15.214+/-0.000 χ^2/NDF:72630167634.0/54

All: 15.235+/-0.000 χ^2/NDF: 142424095312.

yield_sam1_rms vs Slug, Sign Corrected



Right In: 0.013+/-0.000 χ^2/NDF: 2750829.9/23

Left Out: 0.010+/-0.000 χ^2/NDF:760322.0/24

Right Out: 0.014+/-0.000 χ^2/NDF: 3245867.5/29

Left In: 0.010+/-0.000 χ^2/NDF:597752.6/22

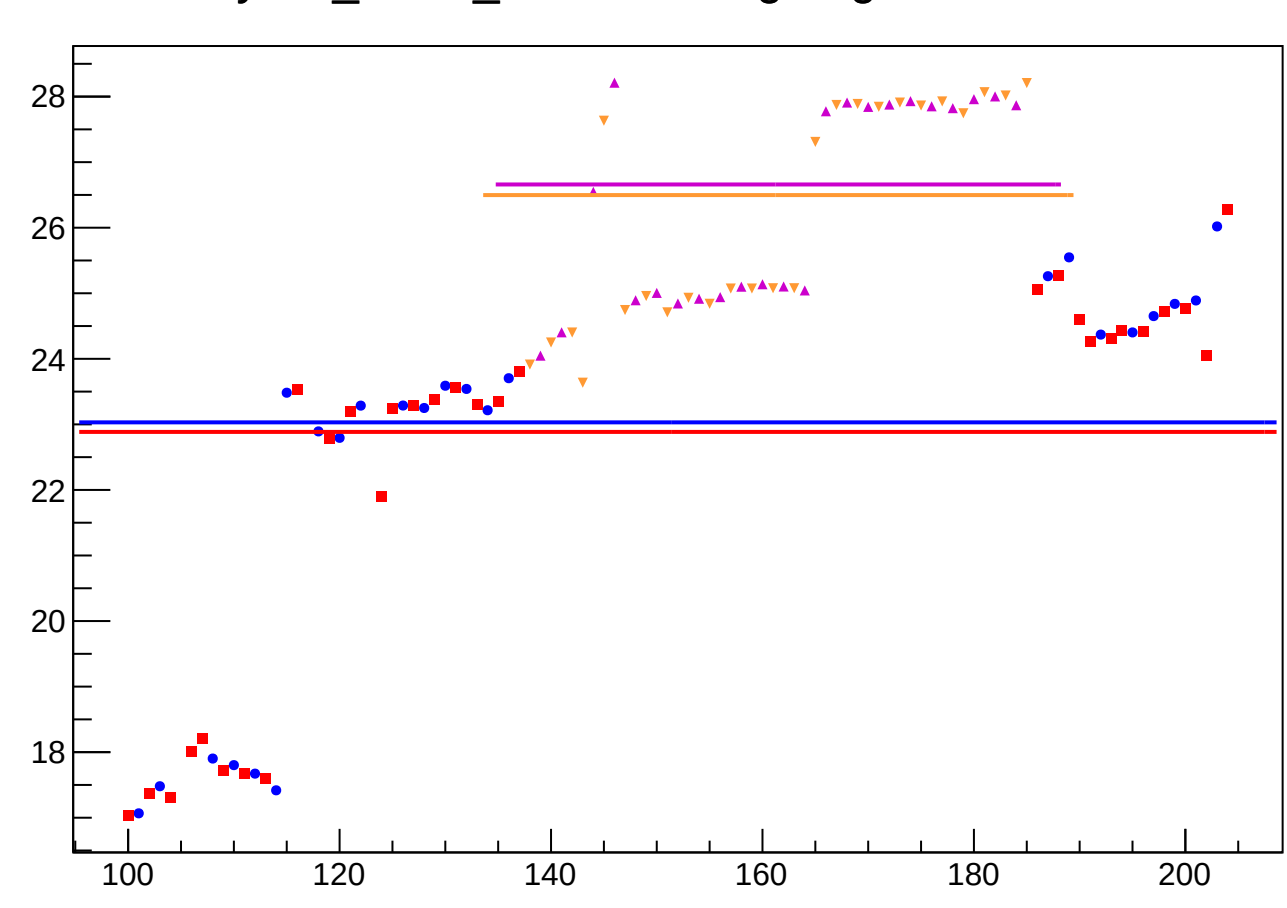
Left: 0.010+/-0.000 χ^2/NDF: 1365448.4/47

Right: 0.013+/-0.000 χ^2/NDF: 6071741.6/53

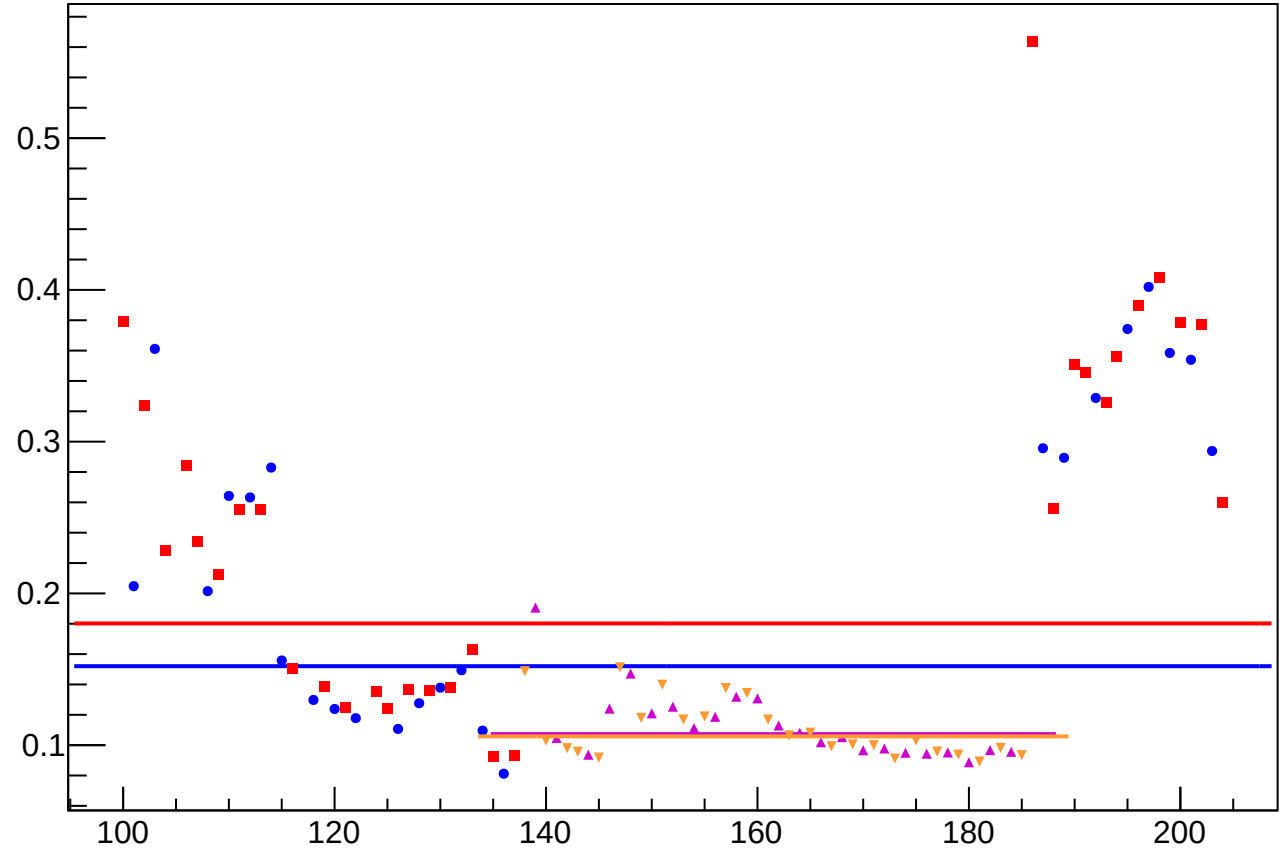
In: 0.011+/-0.000 χ^2/NDF:3947251.0/46

Out: 0.011+/-0.000 χ^2/NDF:5394571.7/54

All: 0.011+/-0.000 χ^2/NDF: 9343632.7/101


yield_sam2_mean vs Slug, Sign Corrected
28
26
24
22
20
18
100
120
140
160
180
200
Right In: 23.031+/-0.000 χ²/NDF: 1470408775.0/23
Left Out: 26.498+/-0.000 χ²/NDF:3909357236.5/24
Right Out: 22.885+/-0.000 χ²/NDF: 1618907323.9/29
Left In: 26.660+/-0.000 χ²/NDF:2886823196.4/22
Left: 26.575+/-0.000 χ²/NDF: 6814787304.8/47
Right: 22.962+/-0.000 χ²/NDF: 3093242236.2/53
In: 25.844+/-0.000 χ²/NDF:8384142409.2/46
Out: 25.810+/-0.000 χ²/NDF:9213066311.7/54
All: 25.826+/-0.000 χ²/NDF: 17598237412.1

yield_sam2_rms vs Slug, Sign Corrected



Right In: 0.152+/-0.000 χ^2/NDF: 5849645.4/23

Left Out: 0.106+/-0.000 χ^2/NDF:756185.0/24

Right Out: 0.180+/-0.000 χ^2/NDF: 5970155.2/29

Left In: 0.107+/-0.000 χ^2/NDF:859458.3/22

Left: 0.106+/-0.000 χ^2/NDF: 1618736.7/47

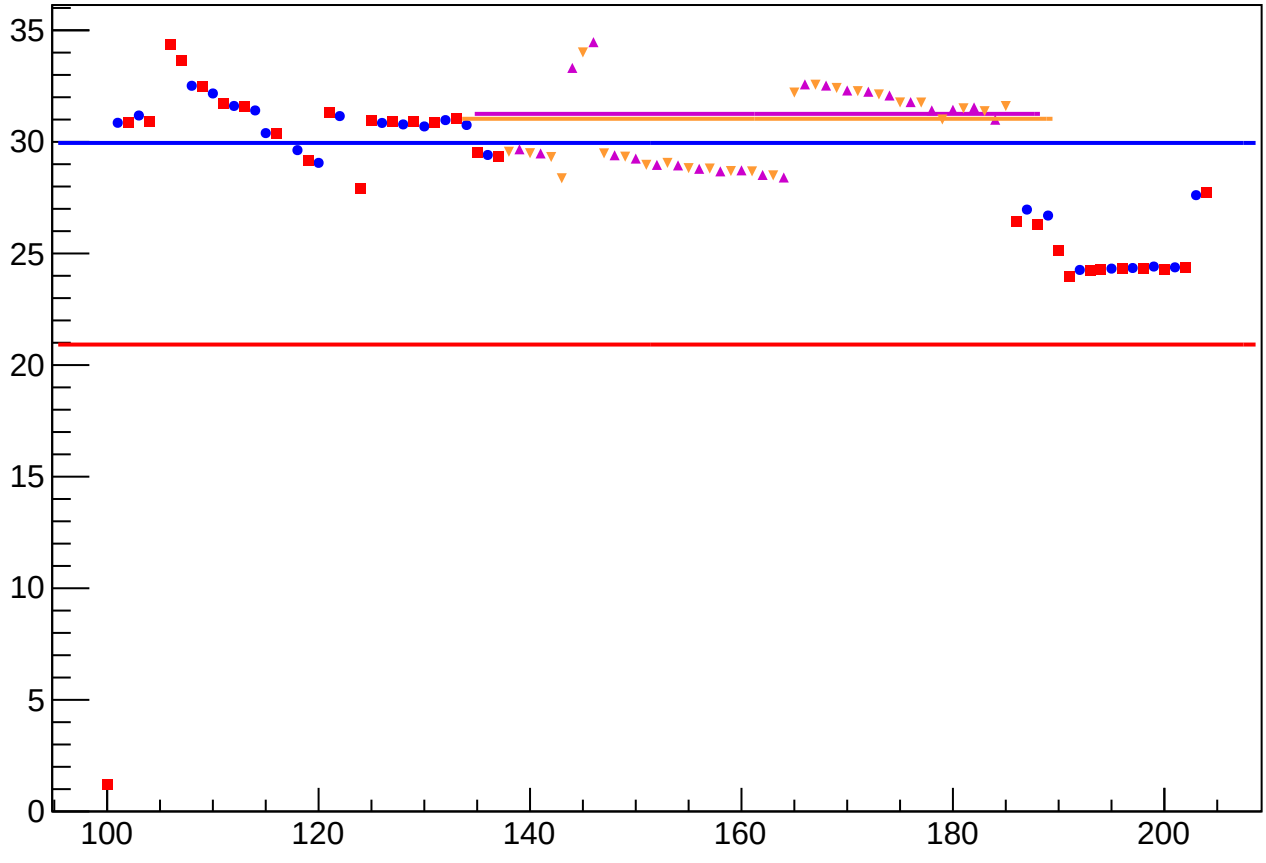
Right: 0.165+/-0.000 χ^2/NDF: 12113533.7/53

In: 0.117+/-0.000 χ^2/NDF:7935170.2/46

Out: 0.120+/-0.000 χ^2/NDF:9853699.5/54

All: 0.119+/-0.000 χ^2/NDF: 17801223.7/101

yield_sam3_mean vs Slug, Sign Corrected



Right In: 29.953+/-0.000 χ^2/NDF: 3353216716.5/23

Left Out: 31.035+/-0.000 χ^2/NDF:11897463221.2/24

Right Out: 20.919+/-0.000 χ^2/NDF: 225630050639.9/29

Left In: 31.256+/-0.000 χ^2/NDF:12589744083.0/22

Left: 31.143+/-0.000 χ^2/NDF: 24589664395.0/47

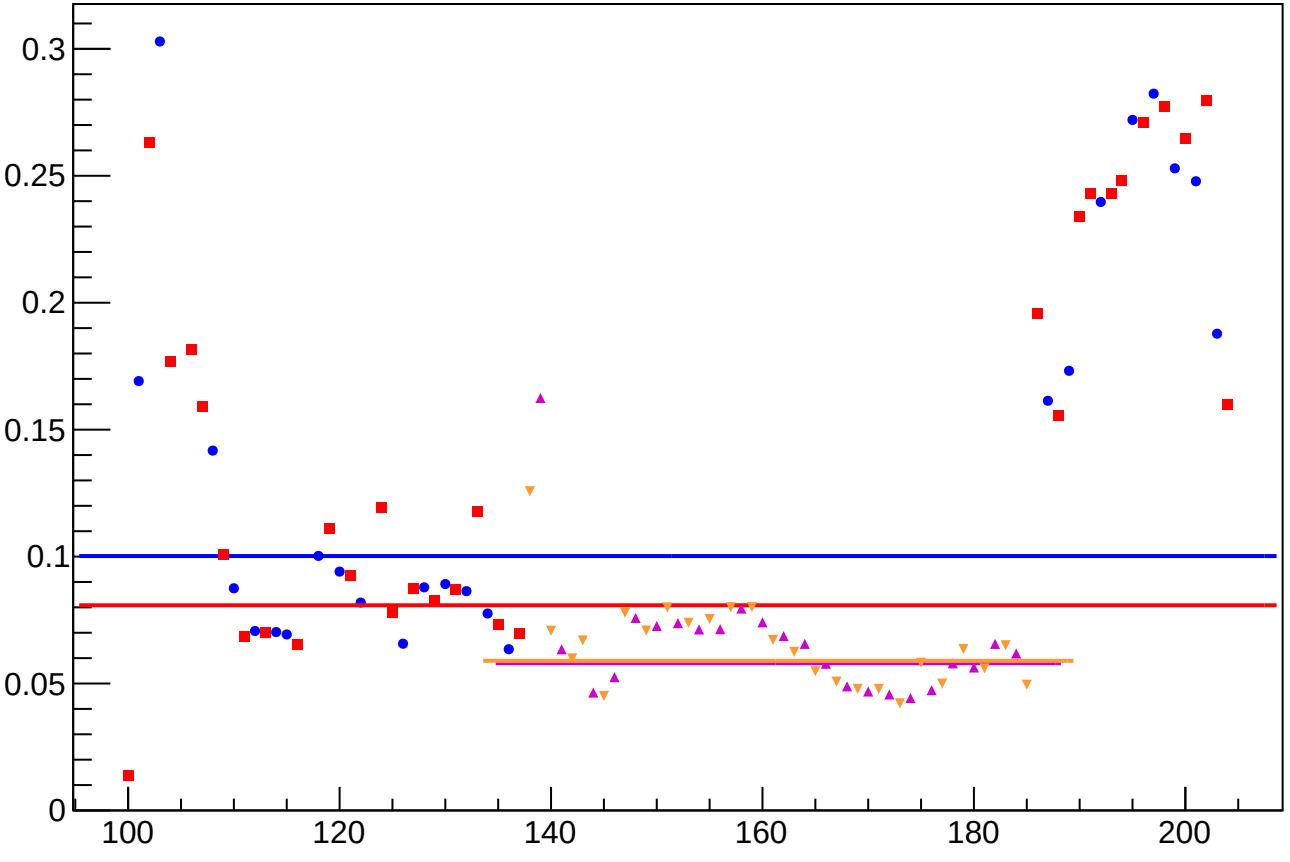
Right: 24.662+/-0.000 χ^2/NDF: 271246840062.4/53

In: 31.026+/-0.000 χ^2/NDF:17178211479.3/46

Out: 28.749+/-0.000 χ^2/NDF:336545392883.5/54

All: 29.831+/-0.000 χ^2/NDF: 367348998592.

yield_sam3_rms vs Slug, Sign Corrected



Right In: 0.100+/-0.000 χ^2/NDF: 5516382.8/23

Left Out: 0.059+/-0.000 χ^2/NDF:1536601.0/24

Right Out: 0.081+/-0.000 χ^2/NDF: 11264090.5/29

Left In: 0.058+/-0.000 χ^2/NDF:1716553.7/22

Left: 0.058+/-0.000 χ^2/NDF: 3257018.5/47

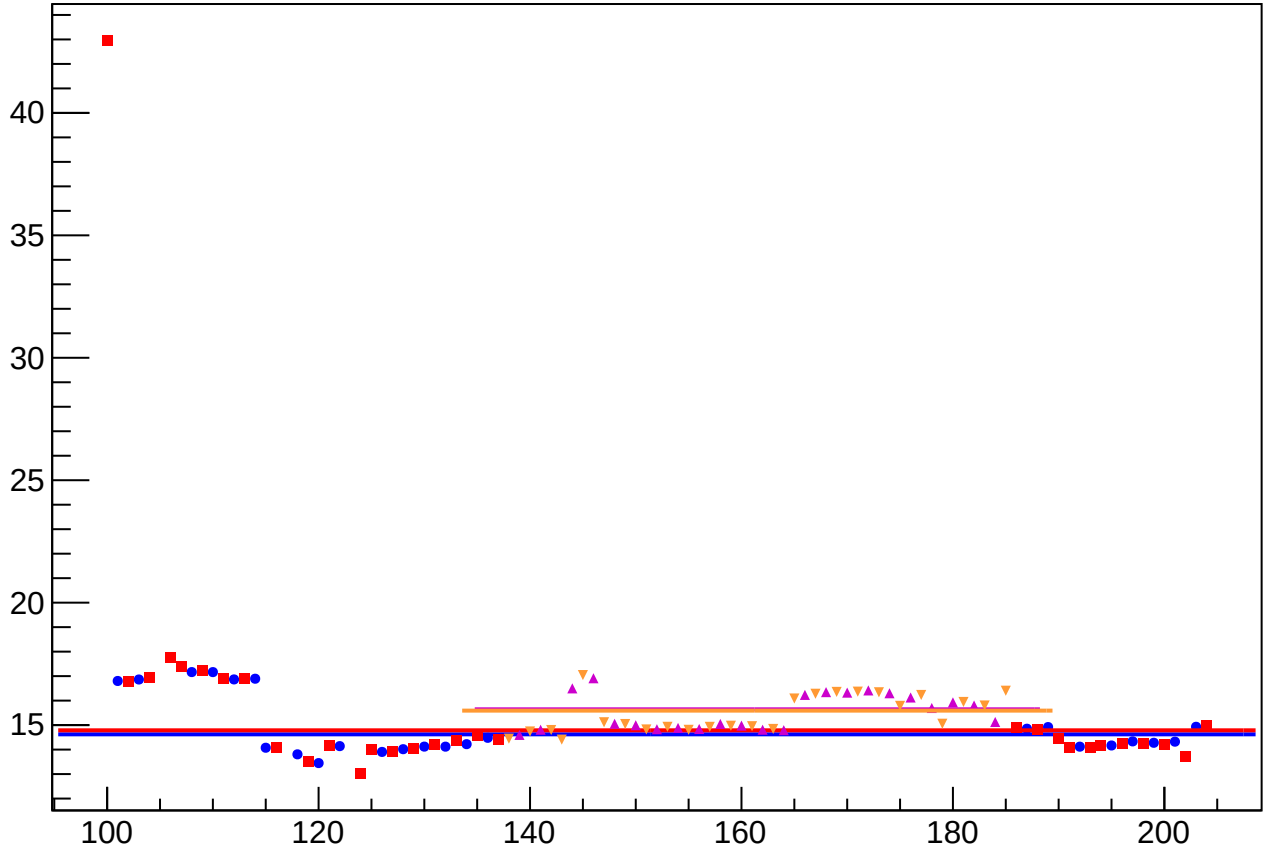
Right: 0.089+/-0.000 χ^2/NDF: 17169778.9/53

In: 0.065+/-0.000 χ^2/NDF:9829097.0/46

Out: 0.064+/-0.000 χ^2/NDF:13726968.9/54

All: 0.065+/-0.000 χ^2/NDF: 23568684.9/101

yield_sam4_mean vs Slug, Sign Corrected



Right In: 14.623+/-0.000 χ^2/NDF: 1211771902.1/23

Left Out: 15.591+/-0.000 χ^2/NDF:2257437225.0/24

Right Out: 14.787+/-0.000 χ^2/NDF: 1789807722.7/29

Left In: 15.645+/-0.000 χ^2/NDF:1858454747.6/22

Left: 15.617+/-0.000 χ^2/NDF: 4121246437.2/47

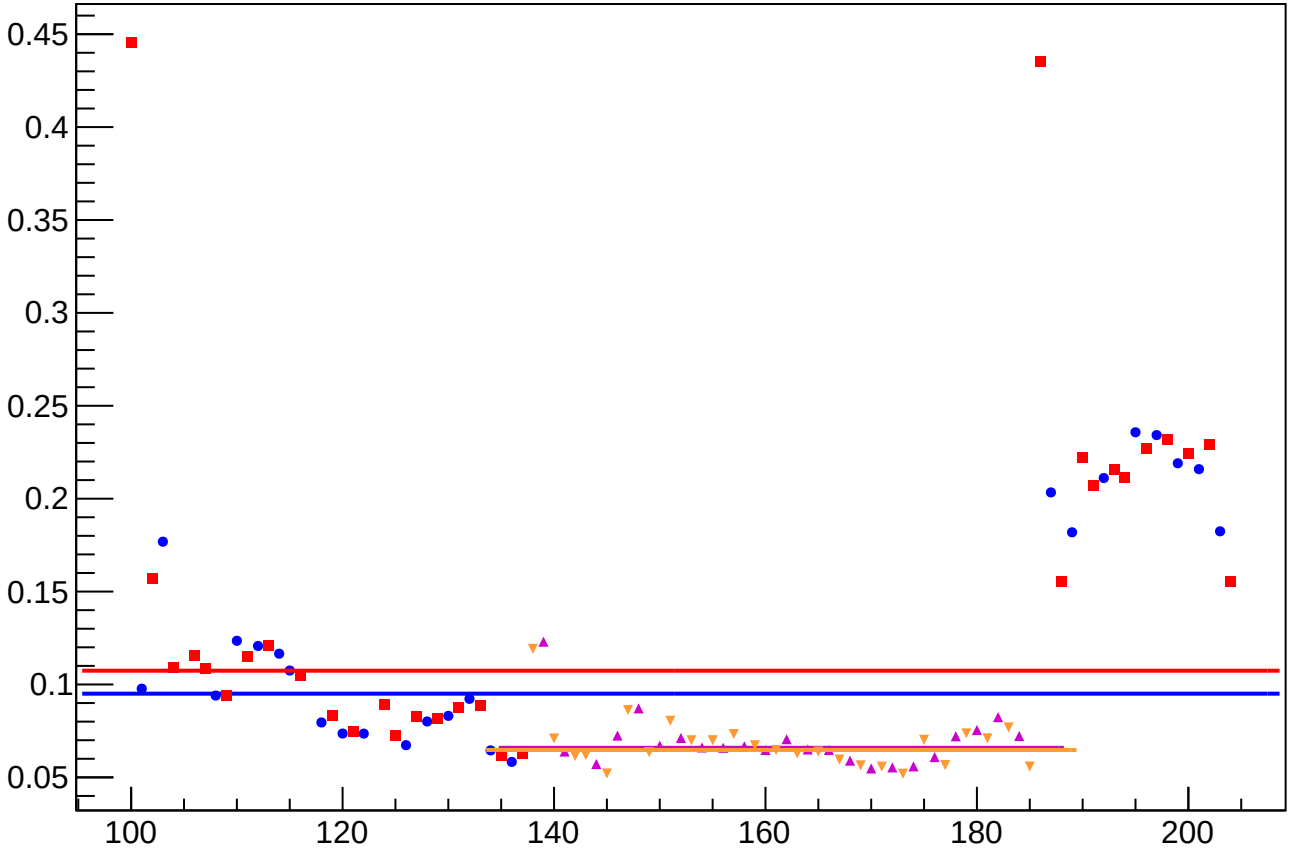
Right: 14.703+/-0.000 χ^2/NDF: 3015538395.9/53

In: 15.410+/-0.000 χ^2/NDF:3929879768.2/46

Out: 15.426+/-0.000 χ^2/NDF:4565604113.7/54

All: 15.418+/-0.000 χ^2/NDF: 8496142641.0/1

yield_sam4_rms vs Slug, Sign Corrected



Right In: 0.095+/-0.000 χ^2/NDF: 4908918.7/23

Left Out: 0.065+/-0.000 χ^2/NDF:855753.3/24

Right Out: 0.107+/-0.000 χ^2/NDF: 5272317.9/29

Left In: 0.066+/-0.000 χ^2/NDF:788235.2/22

Left: 0.065+/-0.000 χ^2/NDF: 1648838.5/47

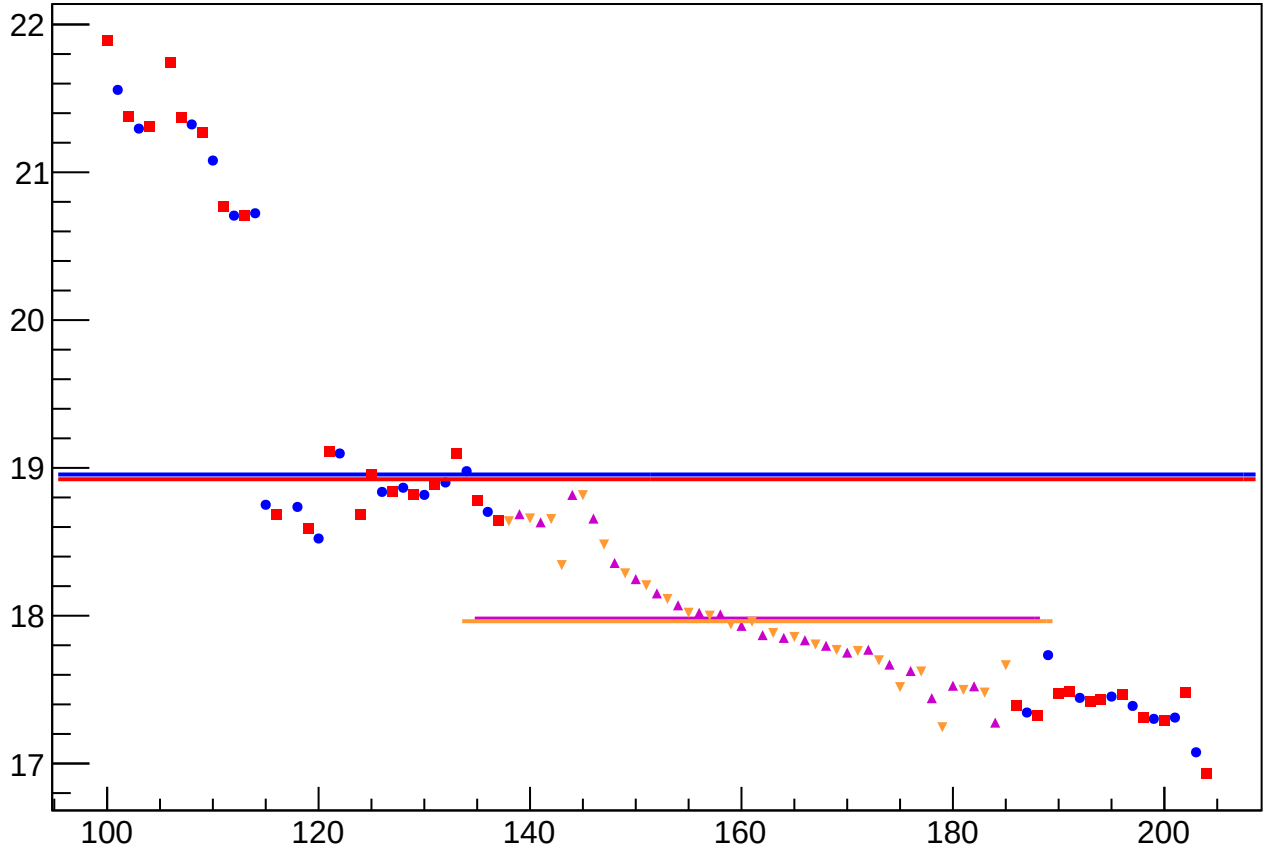
Right: 0.101+/-0.000 χ^2/NDF: 10340133.9/53

In: 0.073+/-0.000 χ^2/NDF:7097038.1/46

Out: 0.074+/-0.000 χ^2/NDF:9046217.1/54

All: 0.073+/-0.000 χ^2/NDF: 16147153.4/101

yield_sam5_mean vs Slug, Sign Corrected



Right In: 18.955+/-0.000 χ^2/NDF: 29042454277.5/23

Left Out: 17.963+/-0.000 χ^2/NDF:3041551307.2/24

Right Out: 18.923+/-0.000 χ^2/NDF: 33732973357.5/29

Left In: 17.980+/-0.000 χ^2/NDF:2720441956.8/22

Left: 17.971+/-0.000 χ^2/NDF: 5764899395.7/47

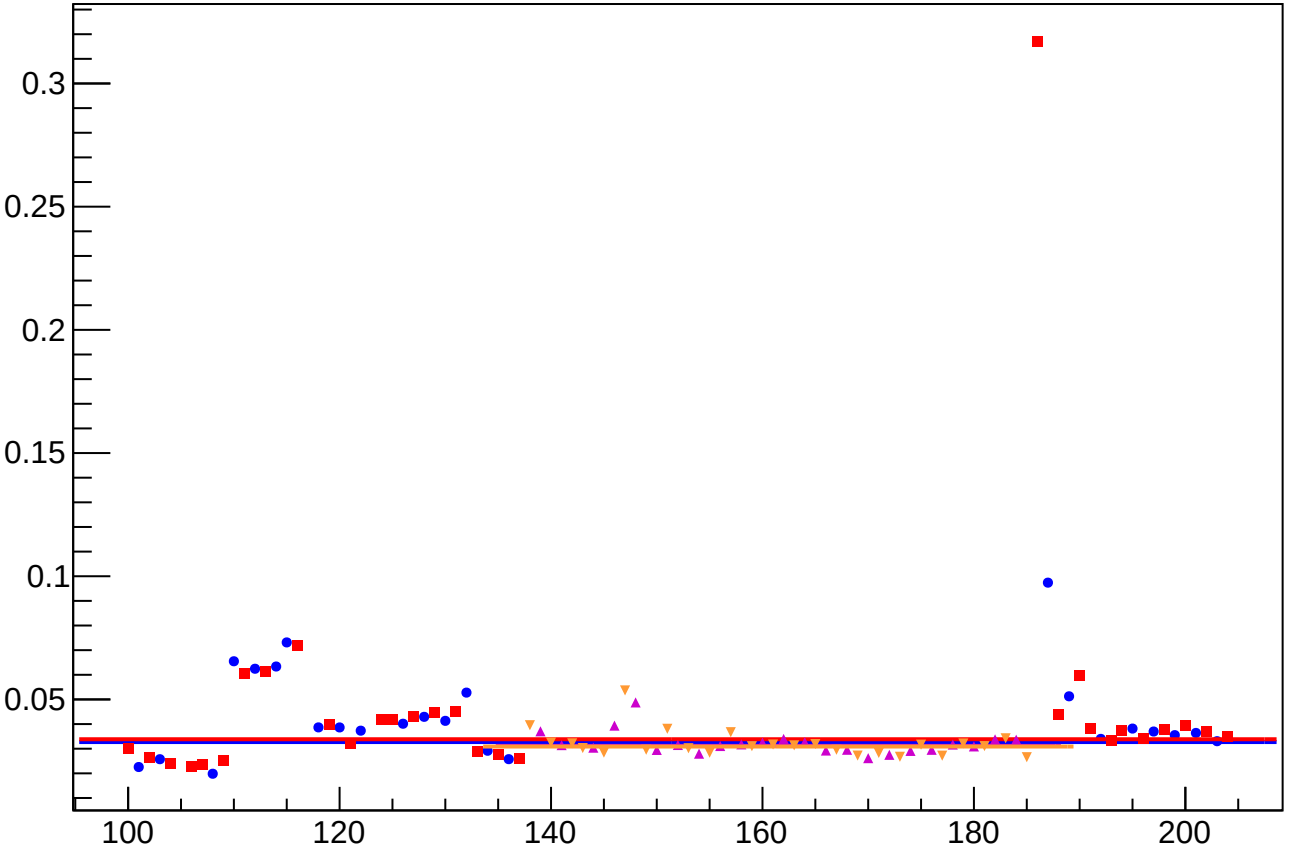
Right: 18.939+/-0.000 χ^2/NDF: 62781195226.3/53

In: 18.346+/-0.000 χ^2/NDF:38126873025.7/46

Out: 18.326+/-0.000 χ^2/NDF:43463716788.2/54

All: 18.335+/-0.000 χ^2/NDF: 81596520813.0

yield_sam5_rms vs Slug, Sign Corrected



Right In: 0.033+/-0.000 χ^2/NDF: 1895087.1/23

Left Out: 0.031+/-0.000 χ^2/NDF:633519.6/24

Right Out: 0.034+/-0.000 χ^2/NDF: 2236001.7/29

Left In: 0.031+/-0.000 χ^2/NDF:482919.2/22

Left: 0.031+/-0.000 χ^2/NDF: 1117566.2/47

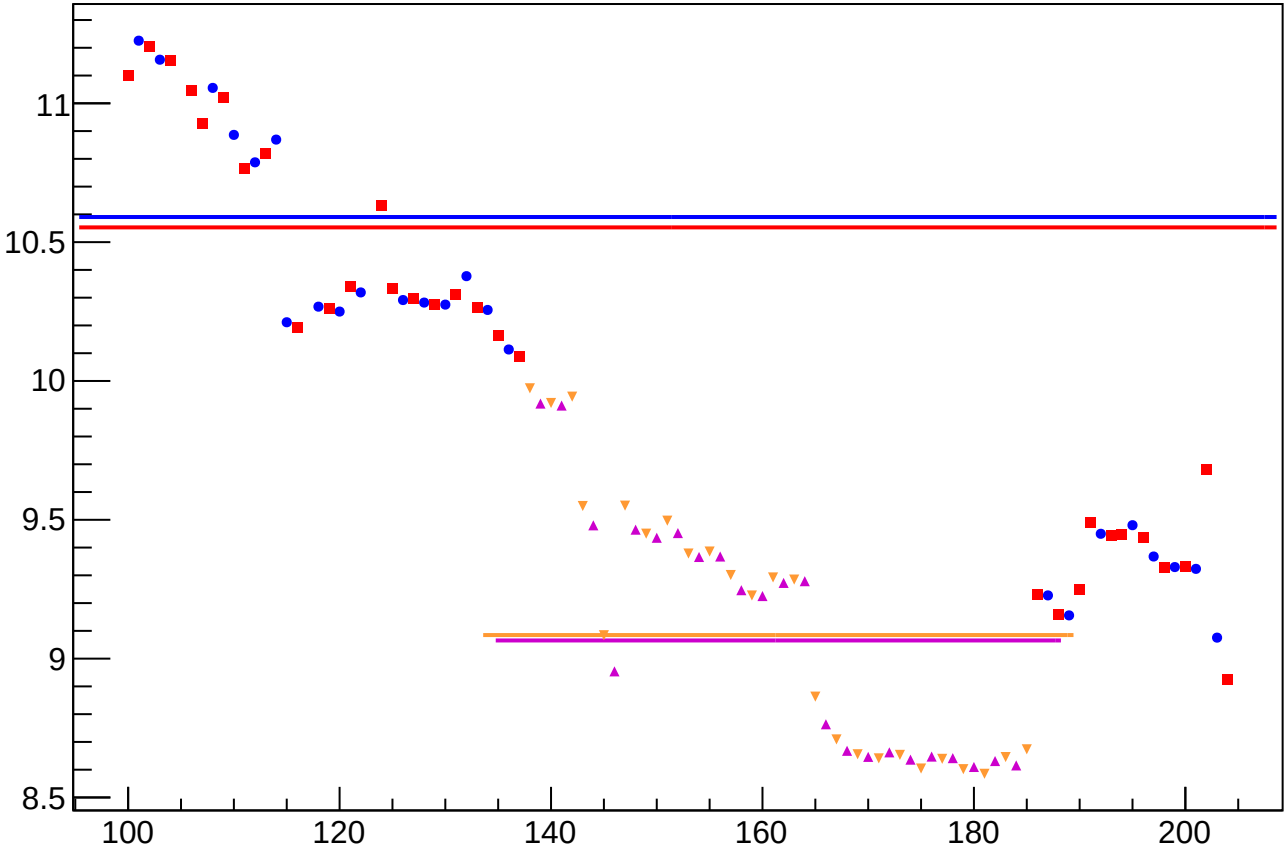
Right: 0.033+/-0.000 χ^2/NDF: 4145557.0/53

In: 0.032+/-0.000 χ^2/NDF:2410901.6/46

Out: 0.032+/-0.000 χ^2/NDF:2995950.5/54

All: 0.032+/-0.000 χ^2/NDF: 5409208.9/101

yield_sam6_mean vs Slug, Sign Corrected



Right In: 10.590+/-0.000 χ^2/NDF: 11567185641.8/23

Left Out: 9.085+/-0.000 χ^2/NDF:10203625727.4/24

Right Out: 10.553+/-0.000 χ^2/NDF: 11804414937.0/29

Left In: 9.065+/-0.000 χ^2/NDF:8070708662.0/22

Left: 9.076+/-0.000 χ^2/NDF: 18283226528.9/47

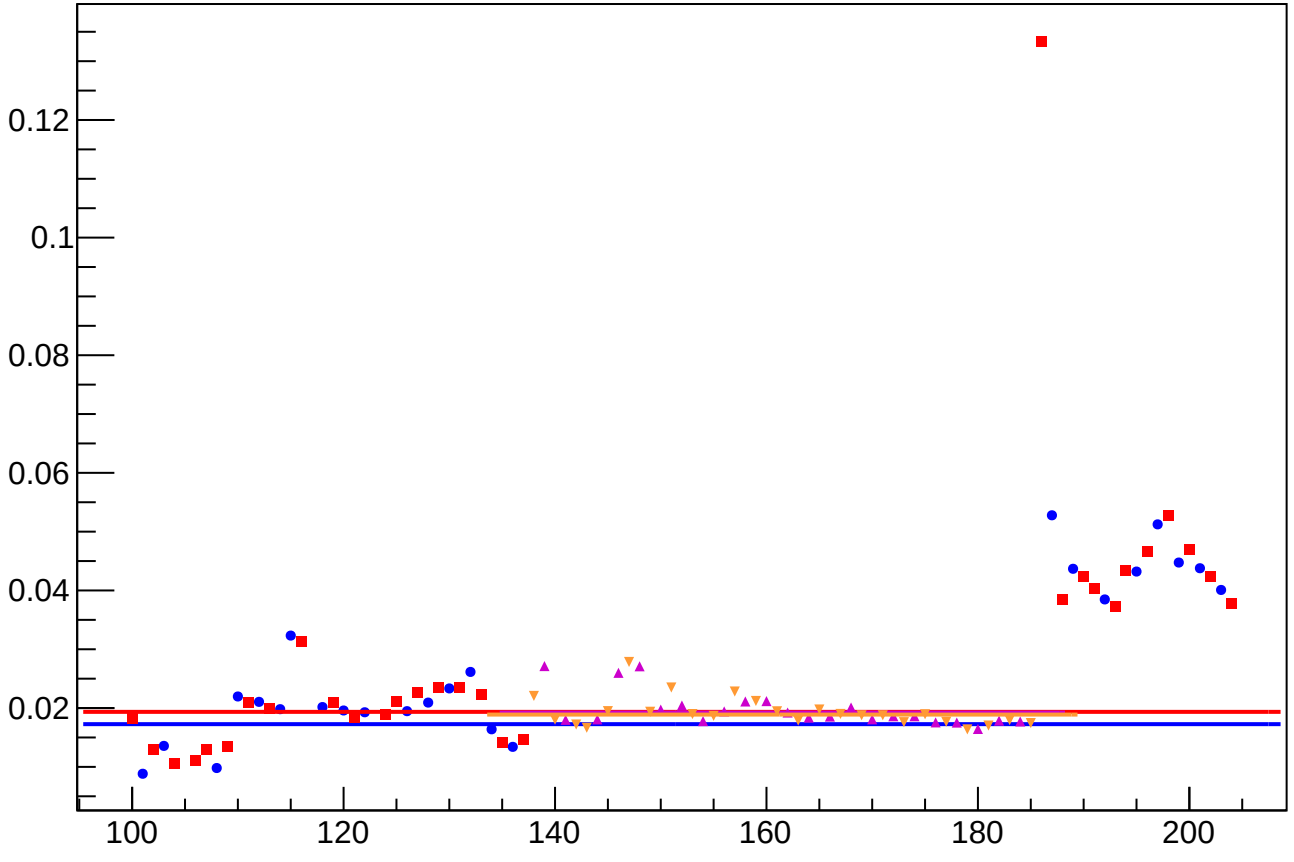
Right: 10.572+/-0.000 χ^2/NDF: 23392666480.7/53

In: 9.686+/-0.000 χ^2/NDF:62030221198.2/46

Out: 9.637+/-0.000 χ^2/NDF:61926403500.6/54

All: 9.661+/-0.000 χ^2/NDF: 124051660303.1

yield_sam6_rms vs Slug, Sign Corrected



Right In: 0.017+/-0.000 χ^2/NDF: 6195915.0/23

Left Out: 0.019+/-0.000 χ^2/NDF:441360.7/24

Right Out: 0.019+/-0.000 χ^2/NDF: 6806184.1/29

Left In: 0.019+/-0.000 χ^2/NDF:540886.4/22

Left: 0.019+/-0.000 χ^2/NDF: 987575.7/47

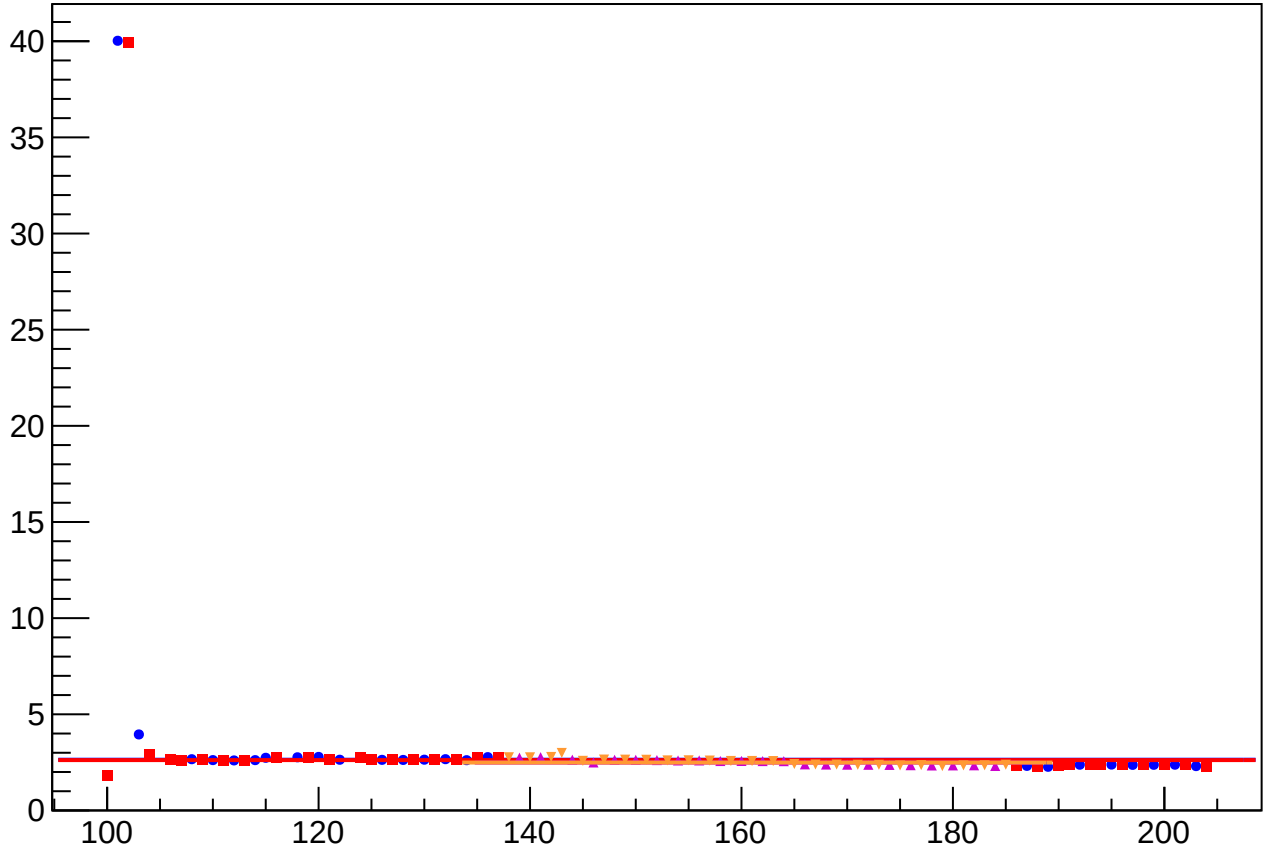
Right: 0.018+/-0.000 χ^2/NDF: 13134058.7/53

In: 0.018+/-0.000 χ^2/NDF:6877659.8/46

Out: 0.019+/-0.000 χ^2/NDF:7255446.5/54

All: 0.019+/-0.000 χ^2/NDF: 14164400.3/101

yield_sam7_mean vs Slug, Sign Corrected



Right In: 2.638+/-0.000 χ^2/NDF: 79823467671.1/23

Left Out: 2.491+/-0.000 χ^2/NDF:92364283353.6/24

Right Out: 2.619+/-0.000 χ^2/NDF: 81900042180.3/29

Left In: 2.489+/-0.000 χ^2/NDF:61212546319.1/22

Left: 2.490+/-0.000 χ^2/NDF: 153590739615.6/47

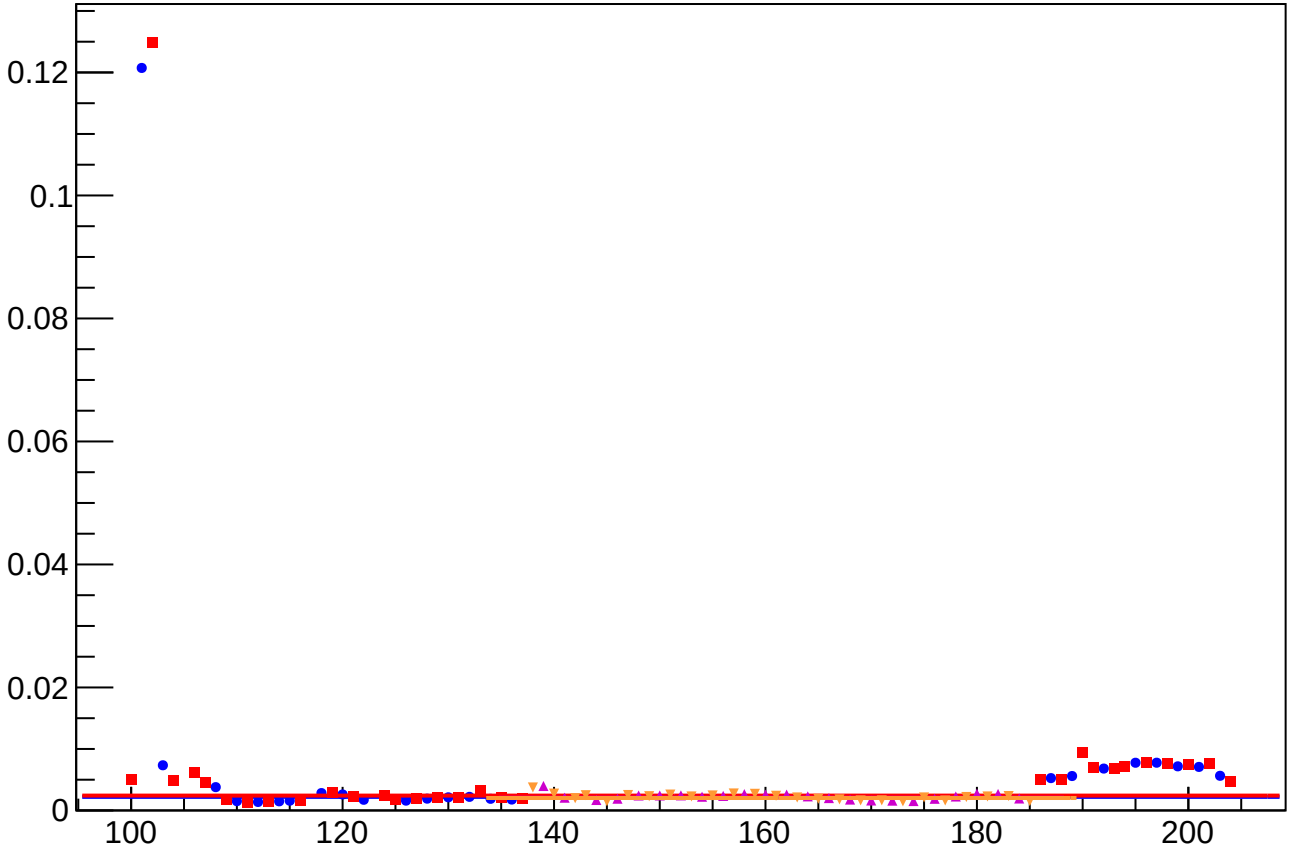
Right: 2.628+/-0.000 χ^2/NDF: 162007845634.0/53

In: 2.535+/-0.000 χ^2/NDF:165103521486.9/46

Out: 2.529+/-0.000 χ^2/NDF:192519217140.1/54

All: 2.532+/-0.000 χ^2/NDF: 357723553887.3

yield_sam7_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 7514259.8/23

Left Out: 0.002+/-0.000 χ^2/NDF:1556481.5/24

Right Out: 0.002+/-0.000 χ^2/NDF: 9488366.4/29

Left In: 0.002+/-0.000 χ^2/NDF:1402331.9/22

Left: 0.002+/-0.000 χ^2/NDF: 2965051.2/47

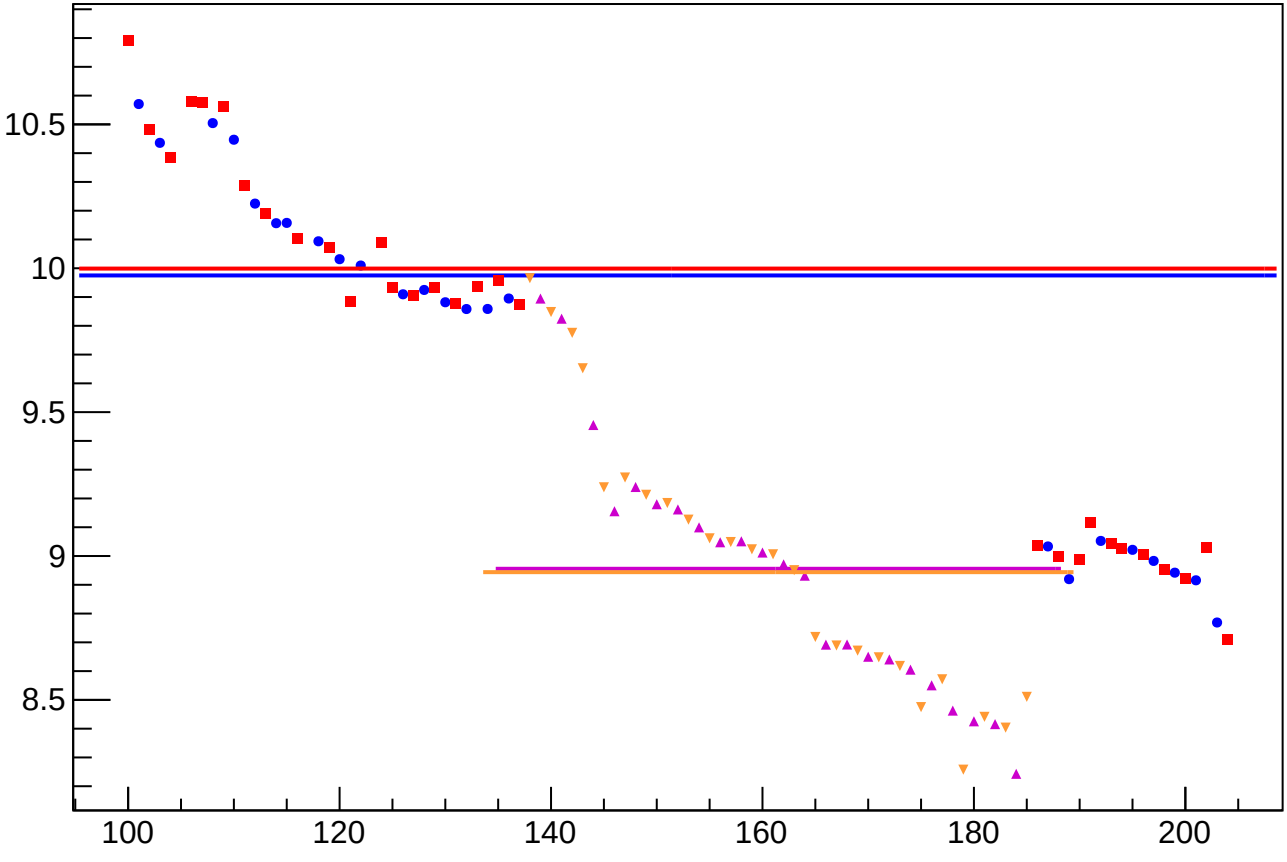
Right: 0.002+/-0.000 χ^2/NDF: 17070531.7/53

In: 0.002+/-0.000 χ^2/NDF:8960604.1/46

Out: 0.002+/-0.000 χ^2/NDF:11388665.1/54

All: 0.002+/-0.000 χ^2/NDF: 20353812.1/101

yield_sam8_mean vs Slug, Sign Corrected



Right In: 9.975+/-0.000 χ^2/NDF: 38534549069.8/23

Left Out: 8.944+/-0.000 χ^2/NDF:65887712966.5/24

Right Out: 9.999+/-0.000 χ^2/NDF: 50399451630.8/29

Left In: 8.956+/-0.000 χ^2/NDF:51572164470.4/22

Left: 8.949+/-0.000 χ^2/NDF: 117486228855.1/47

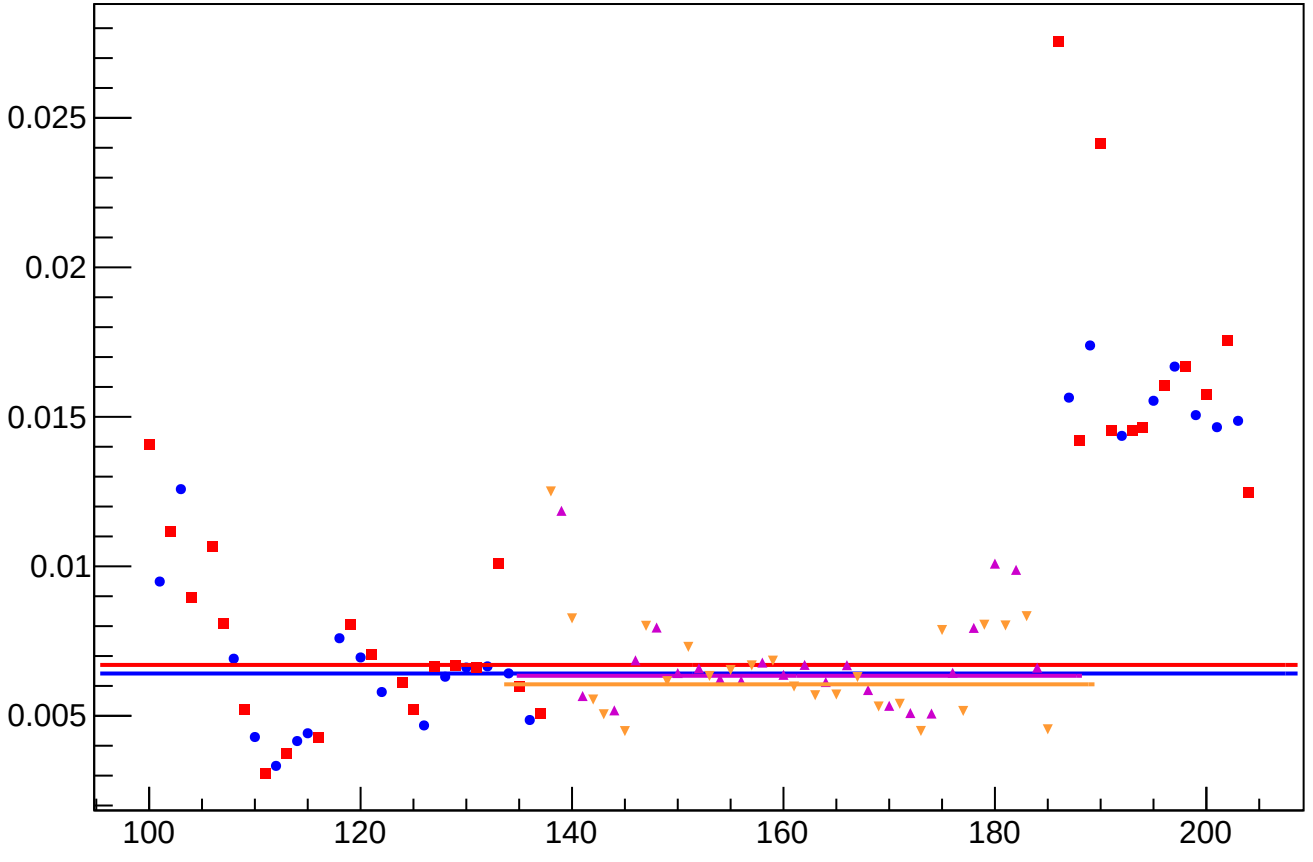
Right: 9.987+/-0.000 χ^2/NDF: 88997605377.5/53

In: 9.339+/-0.000 χ^2/NDF:231575760349.8/46

Out: 9.318+/-0.000 χ^2/NDF:280789343643.2/54

All: 9.328+/-0.000 χ^2/NDF: 512492914360.2

yield_sam8_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 5684623.6/23

Left Out: 0.006+/-0.000 χ^2/NDF:1461022.8/24

Right Out: 0.007+/-0.000 χ^2/NDF: 7732440.1/29

Left In: 0.006+/-0.000 χ^2/NDF:1175260.9/22

Left: 0.006+/-0.000 χ^2/NDF: 2667941.0/47

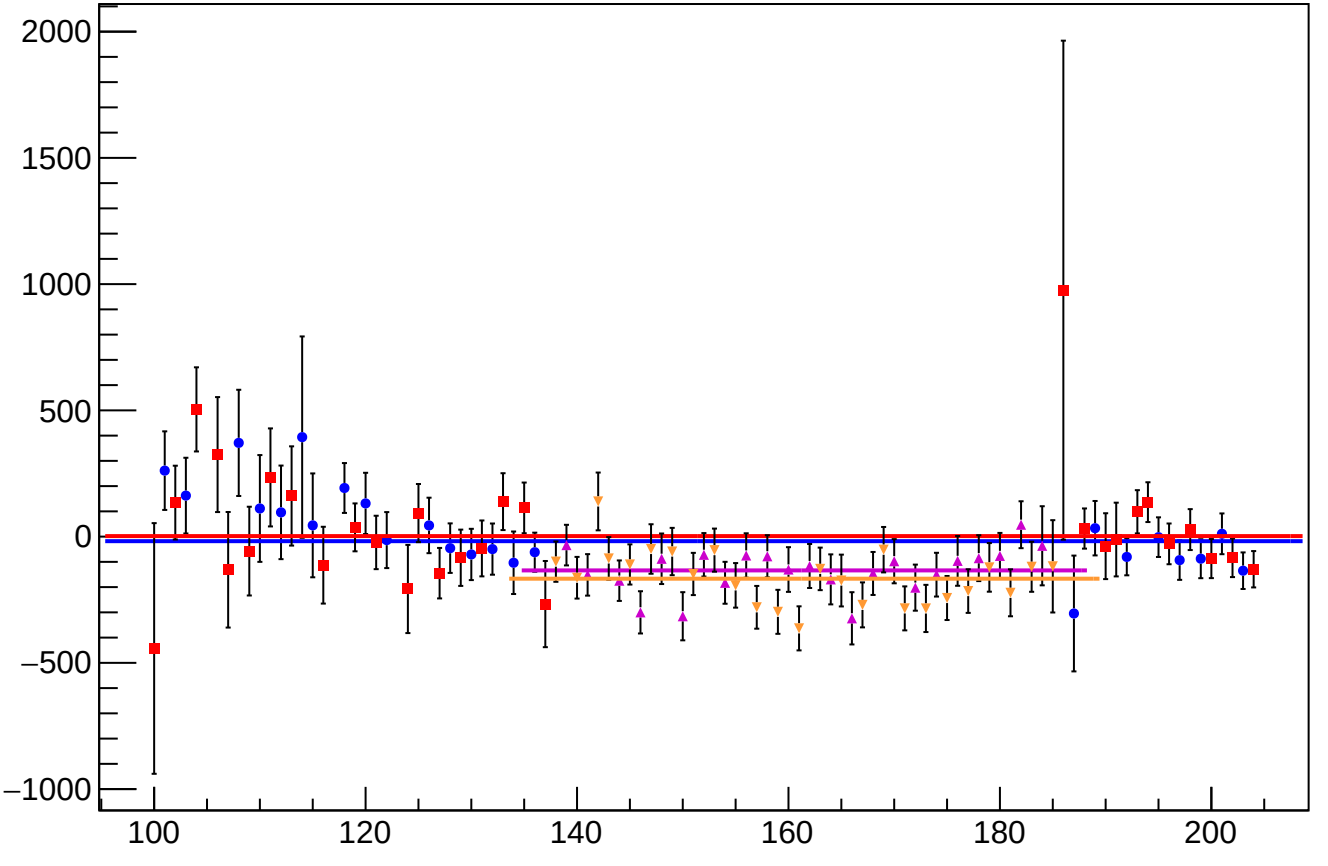
Right: 0.007+/-0.000 χ^2/NDF: 13435477.5/53

In: 0.006+/-0.000 χ^2/NDF:6861448.1/46

Out: 0.006+/-0.000 χ^2/NDF:9317859.7/54

All: 0.006+/-0.000 χ^2/NDF: 16183632.1/101

reg_asym_sam1_mean vs Slug, Sign Corrected



Right In: -18.049+/-21.384 χ^2/NDF: 24.7/23

Left Out: -166.676+/-18.079 χ^2/NDF:31.6/24

Right Out: 2.019+/-20.262 χ^2/NDF: 37.8/29

Left In: -133.843+/-18.756 χ^2/NDF:20.7/22

Left: -150.863+/-13.016 χ^2/NDF: 54.0/47

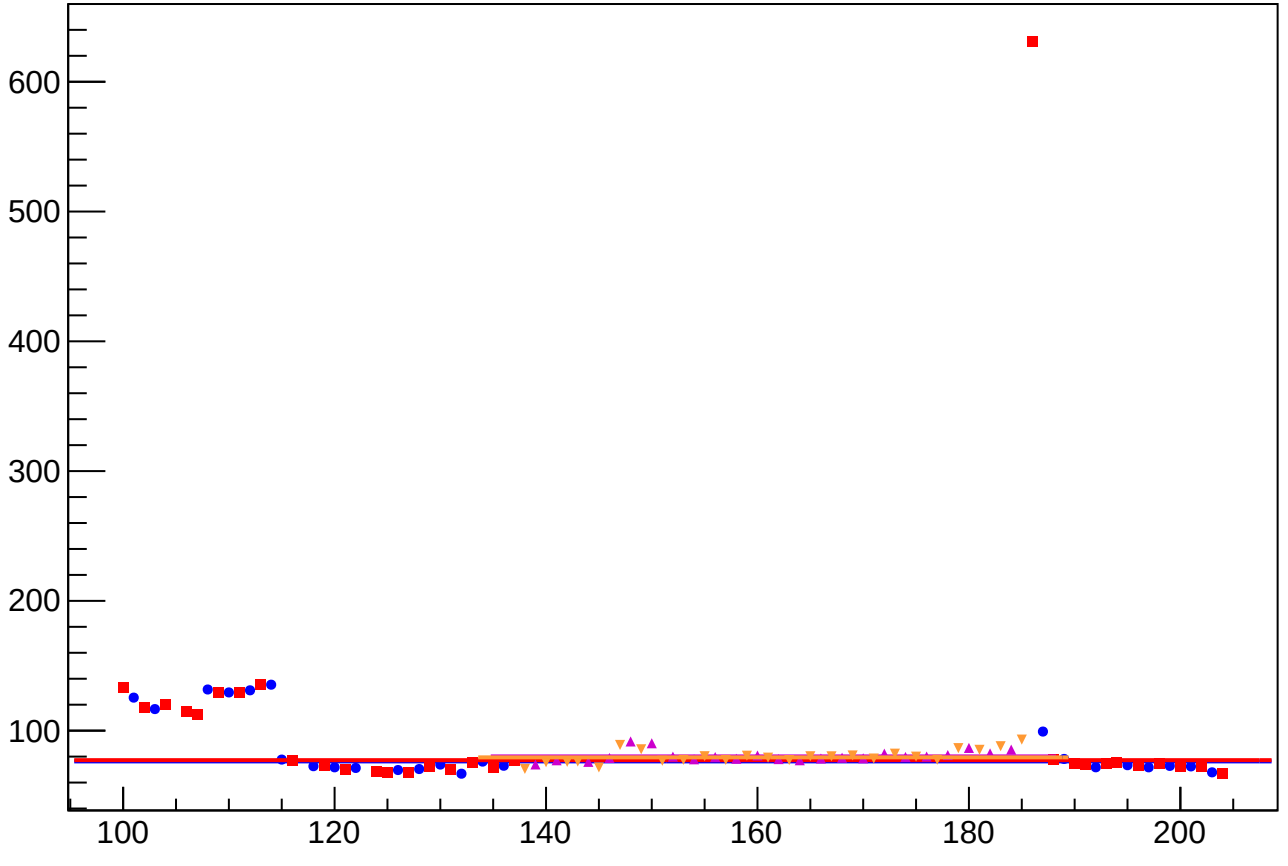
Right: -7.474+/-14.708 χ^2/NDF: 62.9/53

In: -83.496+/-14.101 χ^2/NDF:62.0/46

Out: -91.901+/-13.490 χ^2/NDF:108.0/54

All: -87.884+/-9.747 χ^2/NDF: 170.2/101

reg_asym_sam1_rms vs Slug, Sign Corrected



Right In: 76.309+/-0.015 χ^2/NDF: 948507.3/23

Left Out: 79.410+/-0.013 χ^2/NDF:134796.0/24

Right Out: 77.260+/-0.014 χ^2/NDF: 1676017.4/29

Left In: 80.160+/-0.013 χ^2/NDF:91469.5/22

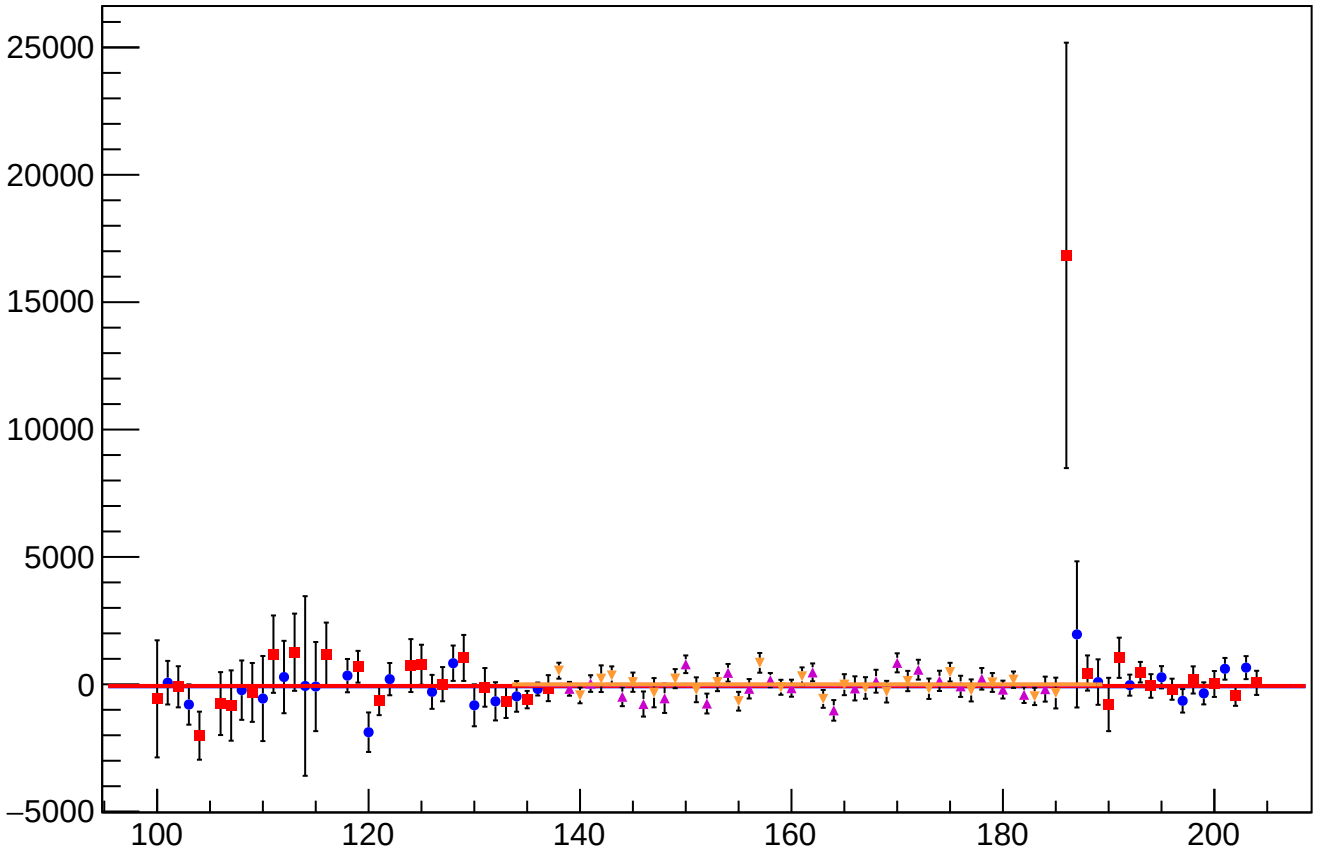
Left: 79.771+/-0.009 χ^2/NDF: 227922.3/47

Right: 76.810+/-0.010 χ^2/NDF: 2626610.2/53

In: 78.486+/-0.010 χ^2/NDF:1076636.2/46

Out: 78.457+/-0.010 χ^2/NDF:1823350.4/54

All: 78.471+/-0.007 χ^2/NDF: 2899990.8/101



Right In: -79.094+/-119.337 χ^2/NDF: 19.3/23

Left Out: -3.474+/-75.863 χ^2/NDF:24.0/24

Right Out: -63.651+/-116.353 χ^2/NDF: 26.7/29

Left In: -19.298+/-77.541 χ^2/NDF:35.0/22

Left: -11.213+/-54.227 χ^2/NDF: 59.1/47

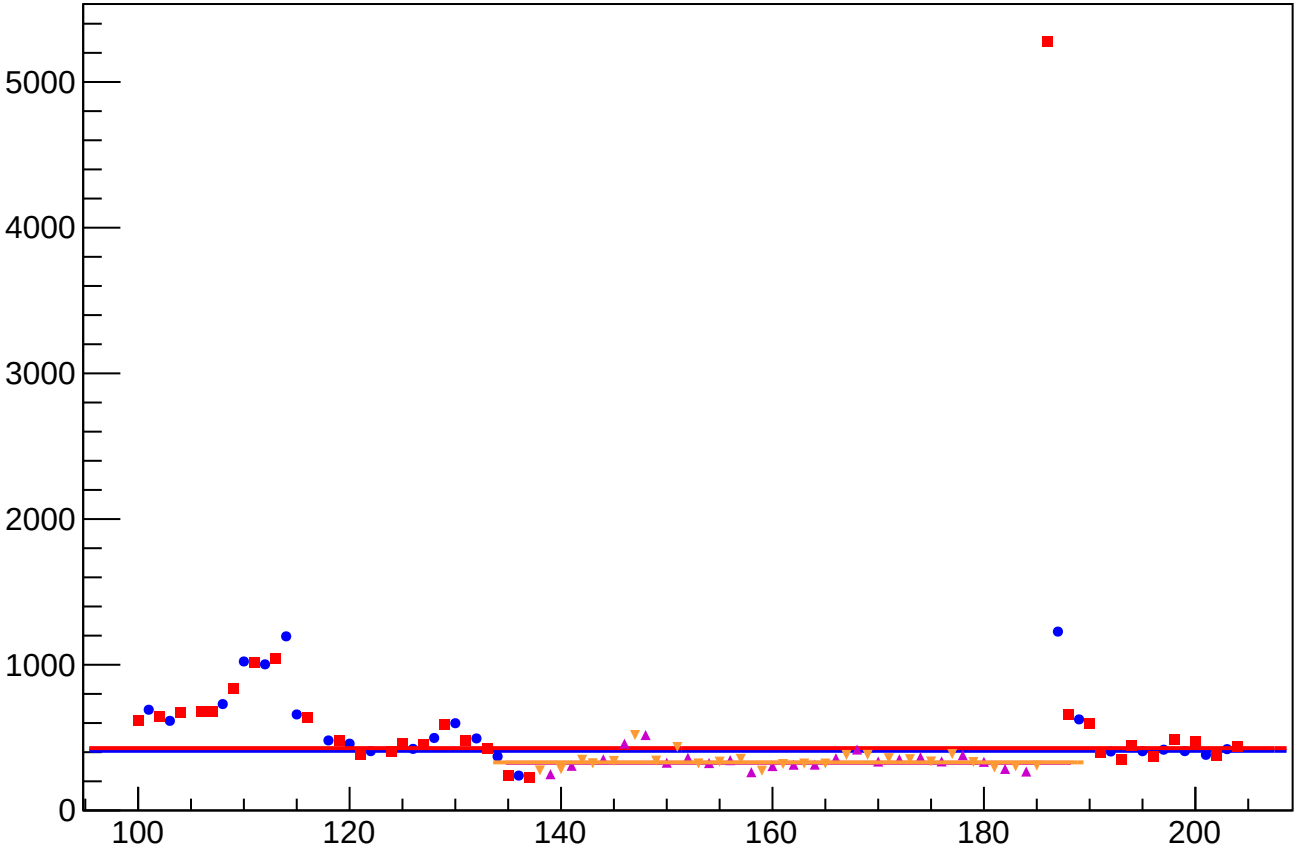
Right: -71.177+/-83.309 χ^2/NDF: 45.9/53

In: -37.049+/-65.020 χ^2/NDF:54.4/46

Out: -21.425+/-63.548 χ^2/NDF:50.9/54

All: -29.058+/-45.447 χ^2/NDF: 105.4/101

asym_sam1_reg_correction_rms vs Slug, Sign Corrected



Right In: 409.466+/-0.084 χ^2/NDF: 2653609.2/23

Left Out: 329.968+/-0.054 χ^2/NDF:659241.4/24

Right Out: 427.795+/-0.082 χ^2/NDF: 3515597.2/29

Left In: 326.963+/-0.055 χ^2/NDF:899326.3/22

Left: 328.498+/-0.038 χ^2/NDF: 1560101.8/47

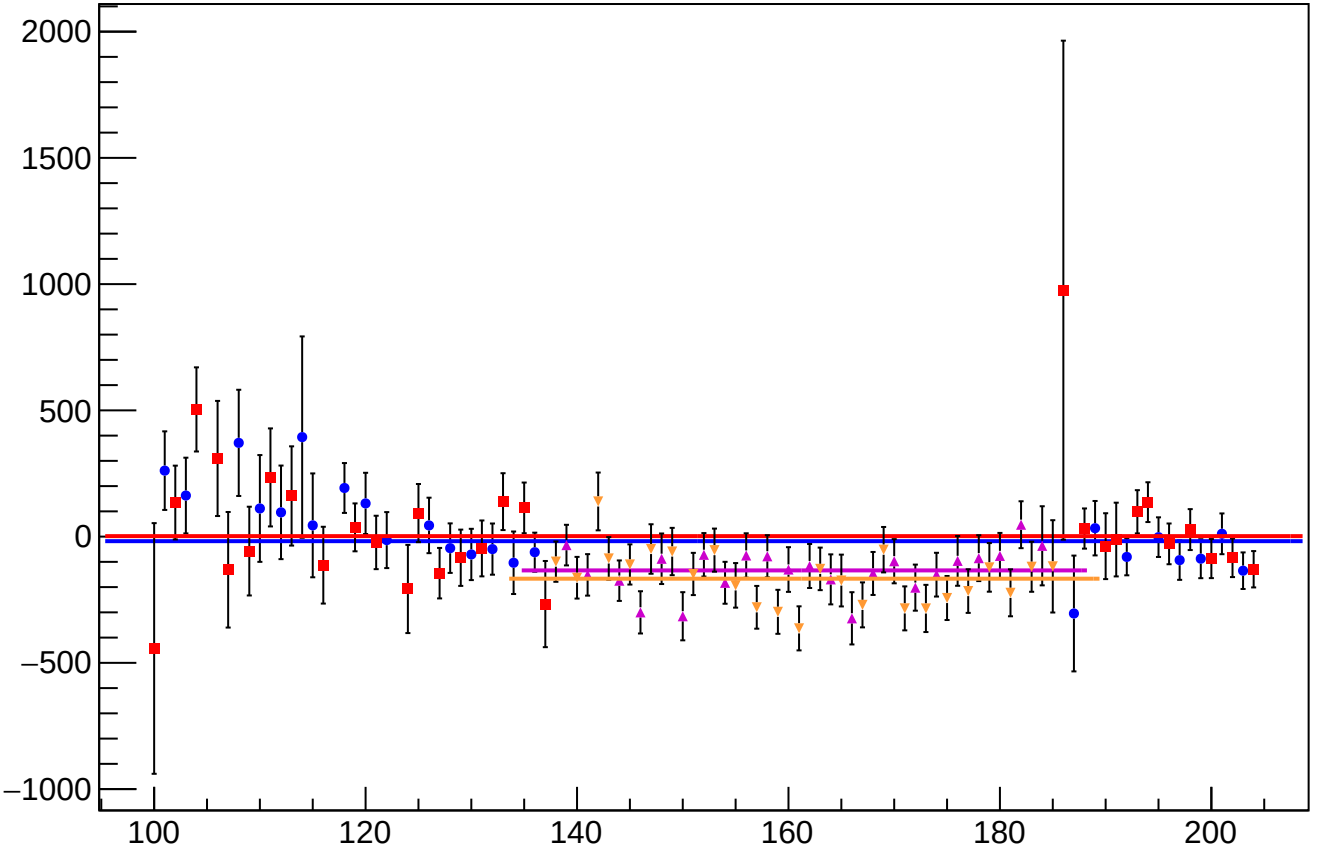
Right: 418.862+/-0.059 χ^2/NDF: 6193393.1/53

In: 351.455+/-0.046 χ^2/NDF:4225076.9/46

Out: 359.149+/-0.045 χ^2/NDF:5166910.0/54

All: 355.390+/-0.032 χ^2/NDF: 9406311.7/101

cor_asym_sam1_mean vs Slug, Sign Corrected



Right In: -18.044+/-21.384 χ^2/NDF: 24.7/23

Left Out: -166.675+/-18.079 χ^2/NDF:31.6/24

Right Out: 1.891+/-20.262 χ^2/NDF: 37.6/29

Left In: -133.850+/-18.756 χ^2/NDF:20.7/22

Left: -150.865+/-13.016 χ^2/NDF: 54.0/47

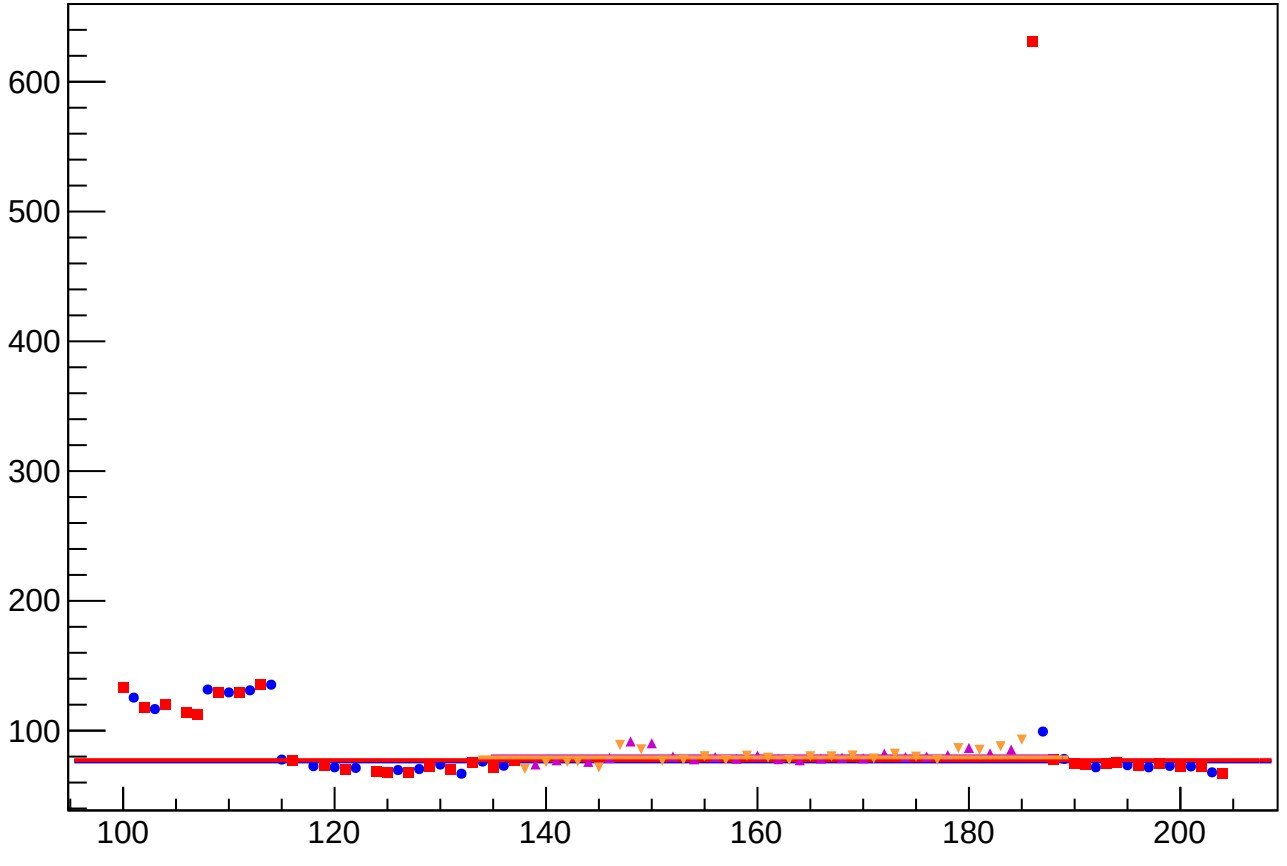
Right: -7.540+/-14.708 χ^2/NDF: 62.7/53

In: -83.497+/-14.101 χ^2/NDF:62.0/46

Out: -91.958+/-13.490 χ^2/NDF:107.8/54

All: -87.915+/-9.747 χ^2/NDF: 170.0/101

cor_asym_sam1_rms vs Slug, Sign Corrected



Right In: 76.309+/-0.015 χ^2/NDF: 948507.5/23

Left Out: 79.410+/-0.013 χ^2/NDF:134796.1/24

Right Out: 77.254+/-0.014 χ^2/NDF: 1673848.6/29

Left In: 80.160+/-0.013 χ^2/NDF:91469.5/22

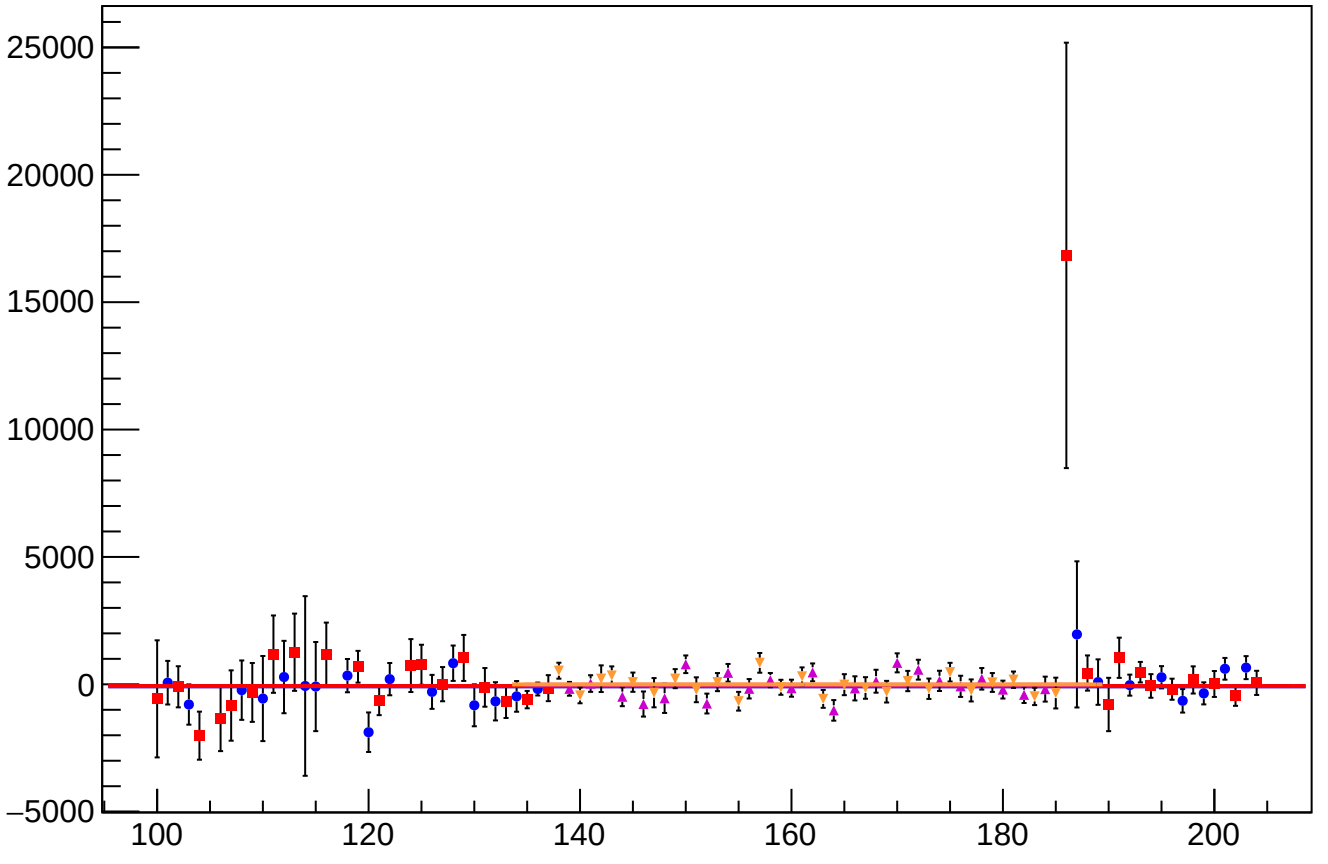
Left: 79.771+/-0.009 χ^2/NDF: 227922.4/47

Right: 76.807+/-0.010 χ^2/NDF: 2624413.1/53

In: 78.486+/-0.010 χ^2/NDF:1076636.4/46

Out: 78.454+/-0.010 χ^2/NDF:1821257.5/54

All: 78.469+/-0.007 χ^2/NDF: 2897899.0/101



Right In: -79.093+/-119.337 χ^2/NDF: 19.3/23

Left Out: -3.474+/-75.863 χ^2/NDF:24.0/24

Right Out: -68.223+/-116.385 χ^2/NDF: 27.4/29

Left In: -19.305+/-77.541 χ^2/NDF:35.0/22

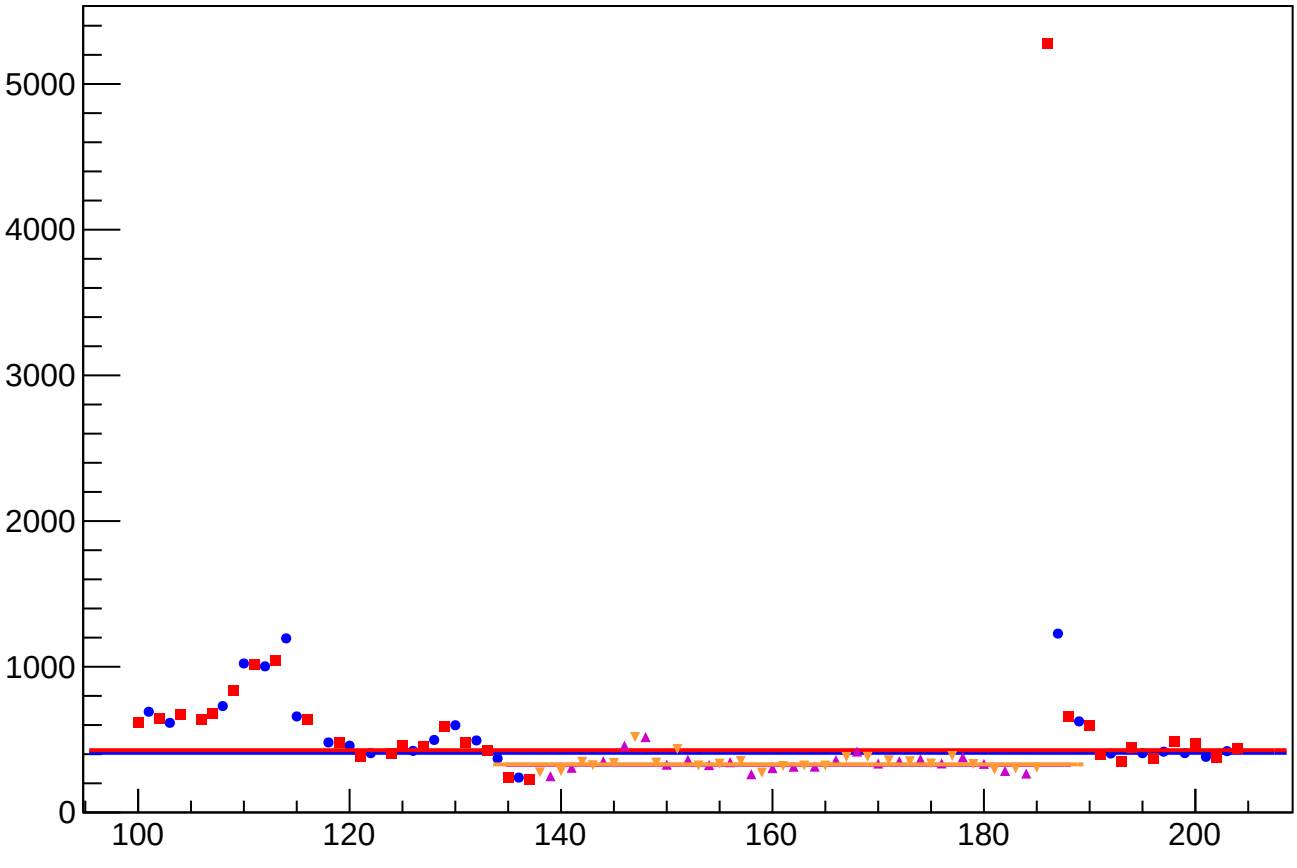
Left: -11.216+/-54.227 χ^2/NDF: 59.1/47

Right: -73.522+/-83.321 χ^2/NDF: 46.6/53

In: -37.054+/-65.020 χ^2/NDF:54.4/46

Out: -22.781+/-63.553 χ^2/NDF:51.6/54

All: -29.755+/-45.449 χ^2/NDF: 106.1/101



Right In: 409.466+/-0.084 χ^2/NDF: 2653603.7/23

Left Out: 329.968+/-0.054 χ^2/NDF:659249.8/24

Right Out: 427.334+/-0.082 χ^2/NDF: 3488115.7/29

Left In: 326.963+/-0.055 χ^2/NDF:899329.3/22

Left: 328.498+/-0.038 χ^2/NDF: 1560113.2/47

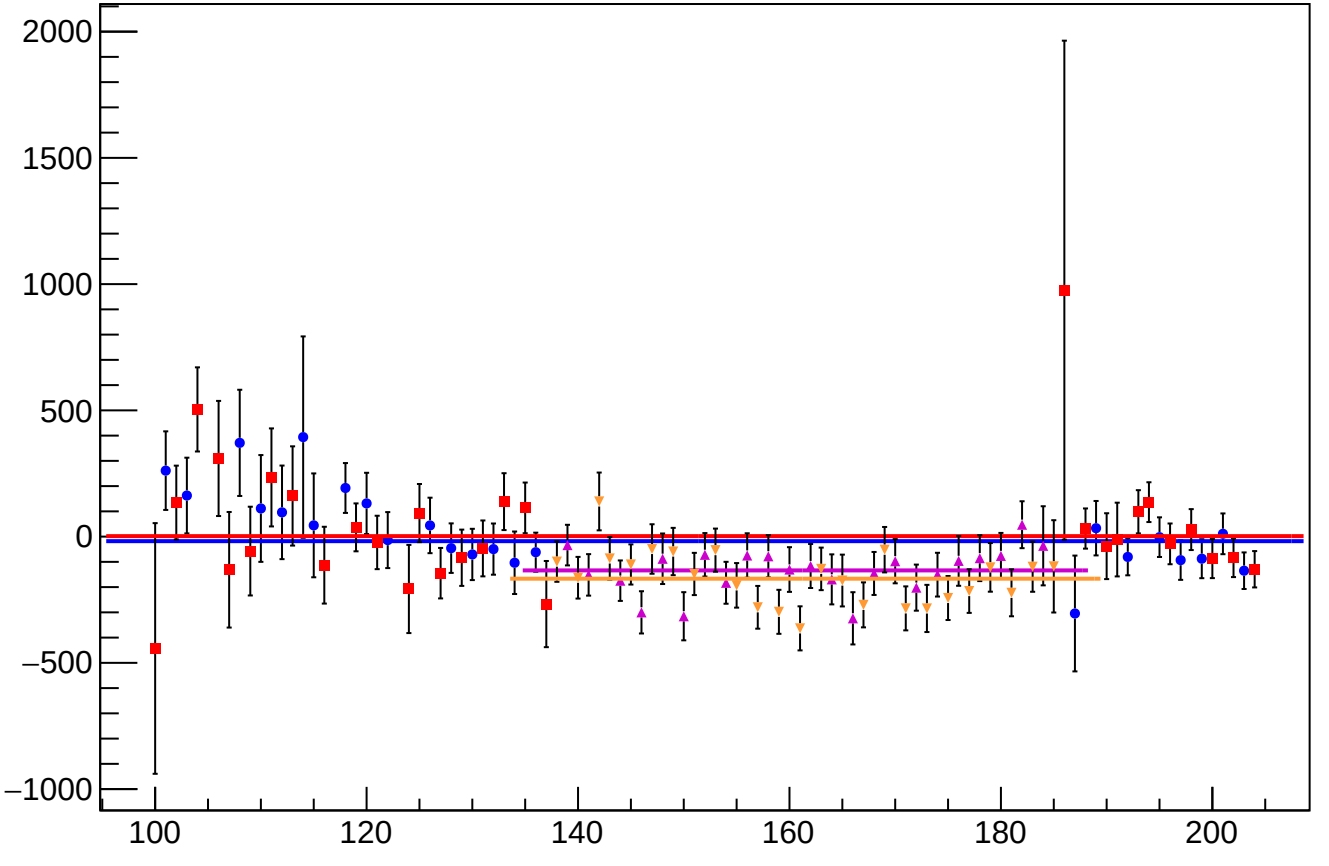
Right: 418.624+/-0.059 χ^2/NDF: 6164697.5/53

In: 351.455+/-0.046 χ^2/NDF:4225077.3/46

Out: 359.001+/-0.045 χ^2/NDF:5129736.7/54

All: 355.314+/-0.032 χ^2/NDF: 9368589.7/101

eigen_cor_asym_sam1_mean vs Slug, Sign Corrected



Right In: -18.044+/-21.384 χ^2/NDF: 24.7/23

Left Out: -166.675+/-18.079 χ^2/NDF:31.6/24

Right Out: 1.891+/-20.262 χ^2/NDF: 37.6/29

Left In: -133.850+/-18.756 χ^2/NDF:20.7/22

Left: -150.865+/-13.016 χ^2/NDF: 54.0/47

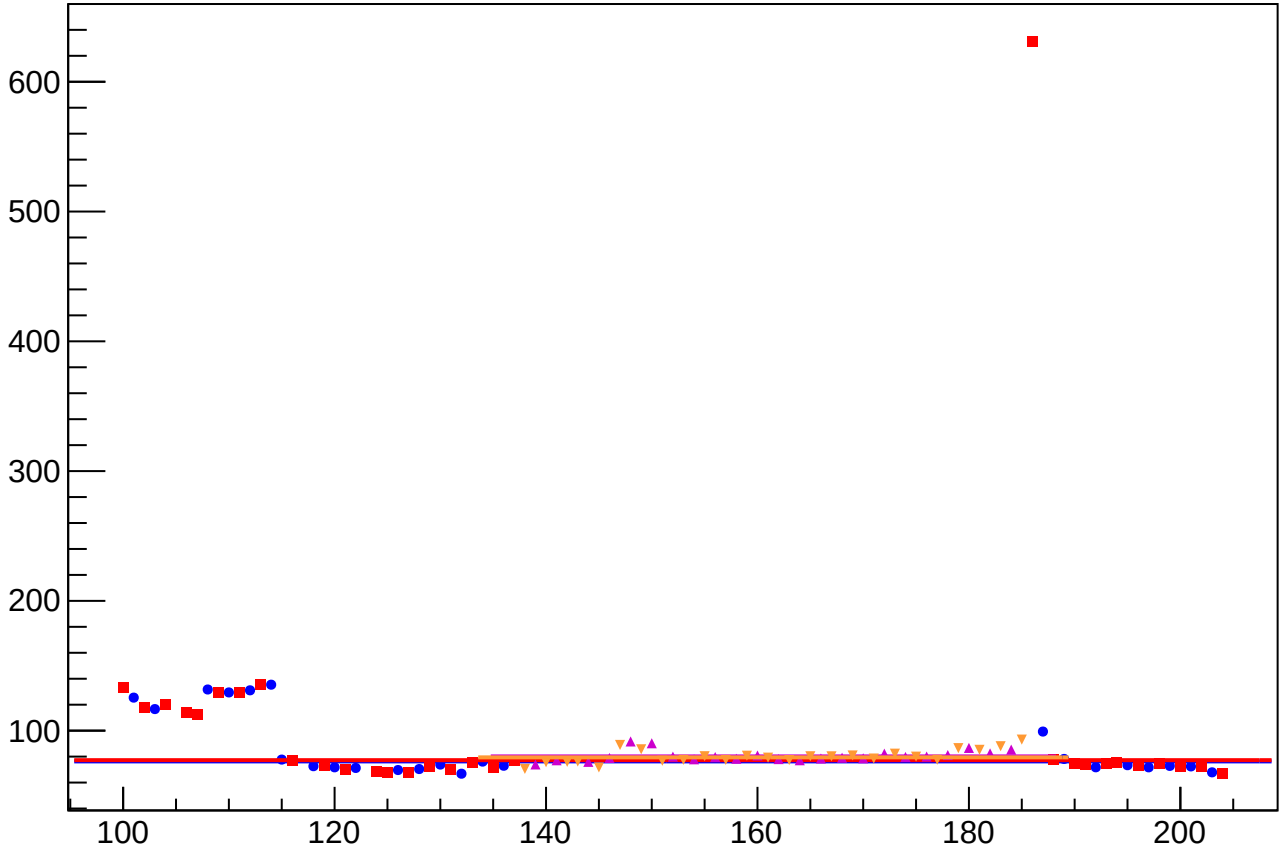
Right: -7.540+/-14.708 χ^2/NDF: 62.7/53

In: -83.497+/-14.101 χ^2/NDF:62.0/46

Out: -91.958+/-13.490 χ^2/NDF:107.8/54

All: -87.915+/-9.747 χ^2/NDF: 170.0/101

eigen_cor_asym_sam1_rms vs Slug, Sign Corrected



Right In: 76.309+/-0.015 χ^2/NDF: 948507.5/23

Left Out: 79.410+/-0.013 χ^2/NDF:134796.1/24

Right Out: 77.254+/-0.014 χ^2/NDF: 1673848.6/29

Left In: 80.160+/-0.013 χ^2/NDF:91469.5/22

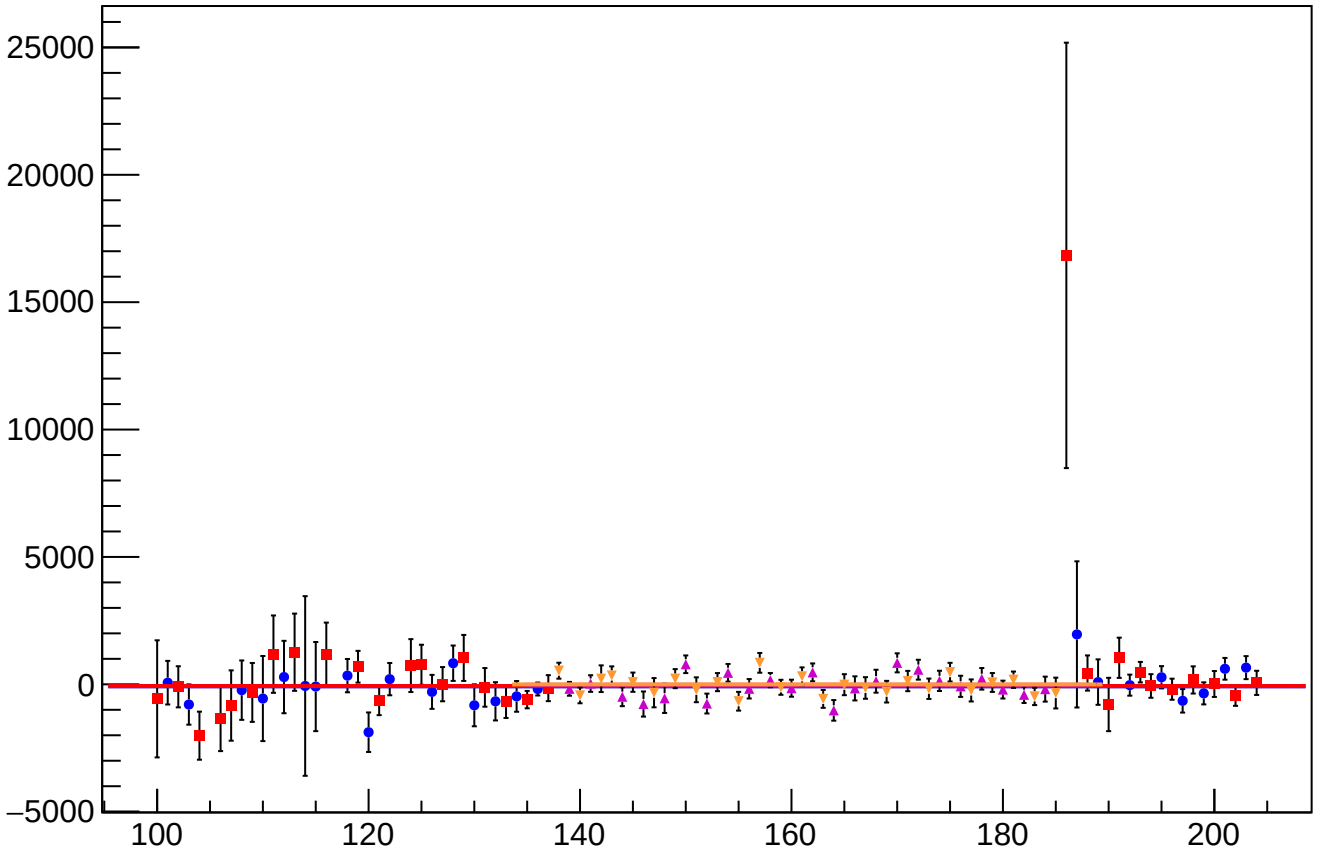
Left: 79.771+/-0.009 χ^2/NDF: 227922.4/47

Right: 76.807+/-0.010 χ^2/NDF: 2624413.1/53

In: 78.486+/-0.010 χ^2/NDF:1076636.4/46

Out: 78.454+/-0.010 χ^2/NDF:1821257.5/54

All: 78.469+/-0.007 χ^2/NDF: 2897899.0/101



Right In: -79.093+/-119.337 χ^2/NDF: 19.3/23

Left Out: -3.474+/-75.863 χ^2/NDF:24.0/24

Right Out: -68.223+/-116.385 χ^2/NDF: 27.4/29

Left In: -19.305+/-77.541 χ^2/NDF:35.0/22

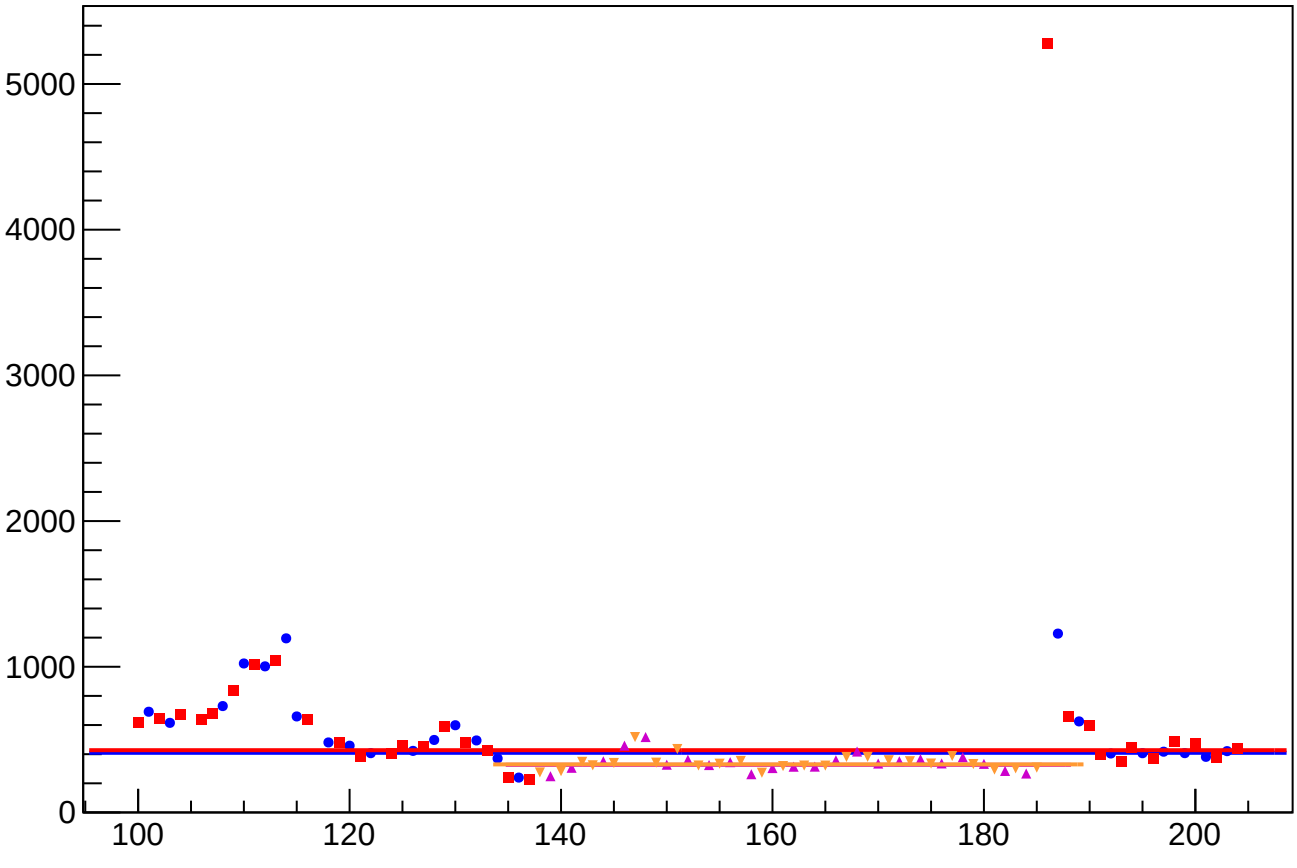
Left: -11.216+/-54.227 χ^2/NDF: 59.1/47

Right: -73.522+/-83.321 χ^2/NDF: 46.6/53

In: -37.054+/-65.020 χ^2/NDF:54.4/46

Out: -22.781+/-63.553 χ^2/NDF:51.6/54

All: -29.755+/-45.449 χ^2/NDF: 106.1/101



Right In: 409.466+/-0.084 χ^2/NDF: 2653603.7/23

Left Out: 329.968+/-0.054 χ^2/NDF:659249.8/24

Right Out: 427.334+/-0.082 χ^2/NDF: 3488115.7/29

Left In: 326.963+/-0.055 χ^2/NDF:899329.3/22

Left: 328.498+/-0.038 χ^2/NDF: 1560113.2/47

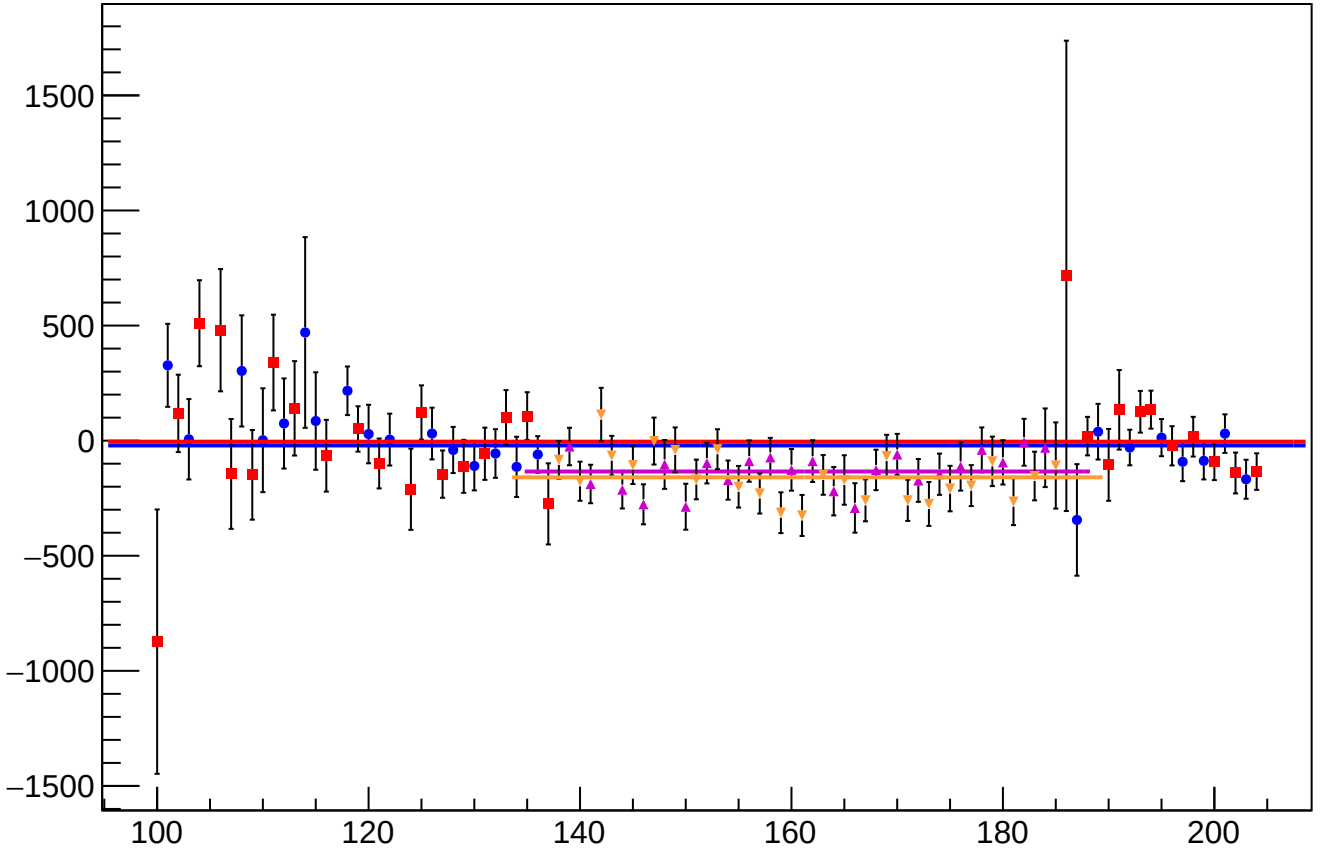
Right: 418.624+/-0.059 χ^2/NDF: 6164697.5/53

In: 351.455+/-0.046 χ^2/NDF:4225077.3/46

Out: 359.001+/-0.045 χ^2/NDF:5129736.7/54

All: 355.314+/-0.032 χ^2/NDF: 9368589.7/101

dit_asym_sam1_mean vs Slug, Sign Corrected



Right In: -20.804+/-22.701 χ^2/NDF: 21.5/23

Left Out: -159.223+/-18.749 χ^2/NDF:28.2/24

Right Out: -4.383+/-21.584 χ^2/NDF: 41.7/29

Left In: -134.010+/-19.441 χ^2/NDF:16.4/22

Left: -147.073+/-13.496 χ^2/NDF: 45.5/47

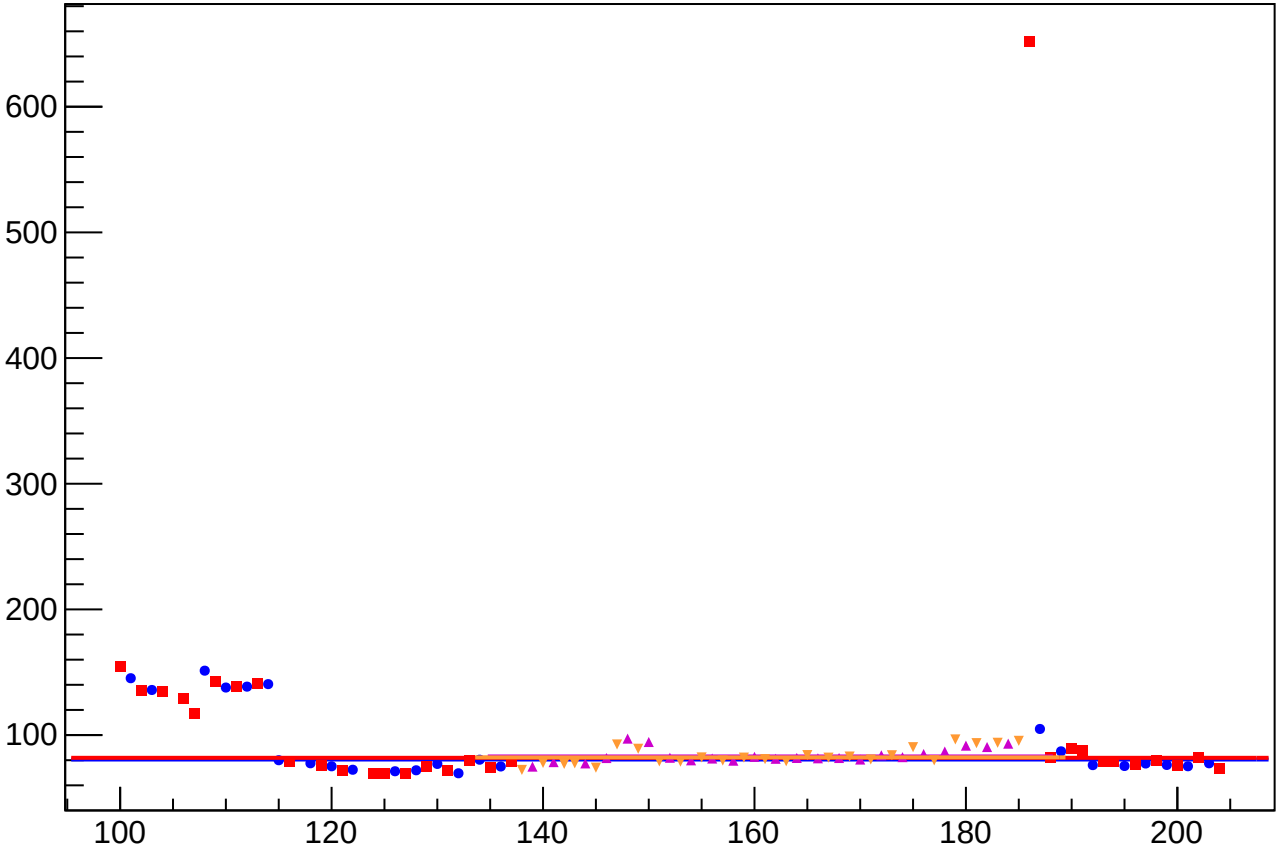
Right: -12.180+/-15.642 χ^2/NDF: 63.5/53

In: -86.112+/-14.766 χ^2/NDF:52.3/46

Out: -92.633+/-14.155 χ^2/NDF:99.2/54

All: -89.511+/-10.218 χ^2/NDF: 151.6/101

dit_asym_sam1_rms vs Slug, Sign Corrected



Right In: 80.555+/-0.016 χ^2/NDF: 1113274.1/23

Left Out: 82.247+/-0.013 χ^2/NDF:216548.3/24

Right Out: 81.900+/-0.015 χ^2/NDF: 1814556.0/29

Left In: 82.993+/-0.014 χ^2/NDF:145608.6/22

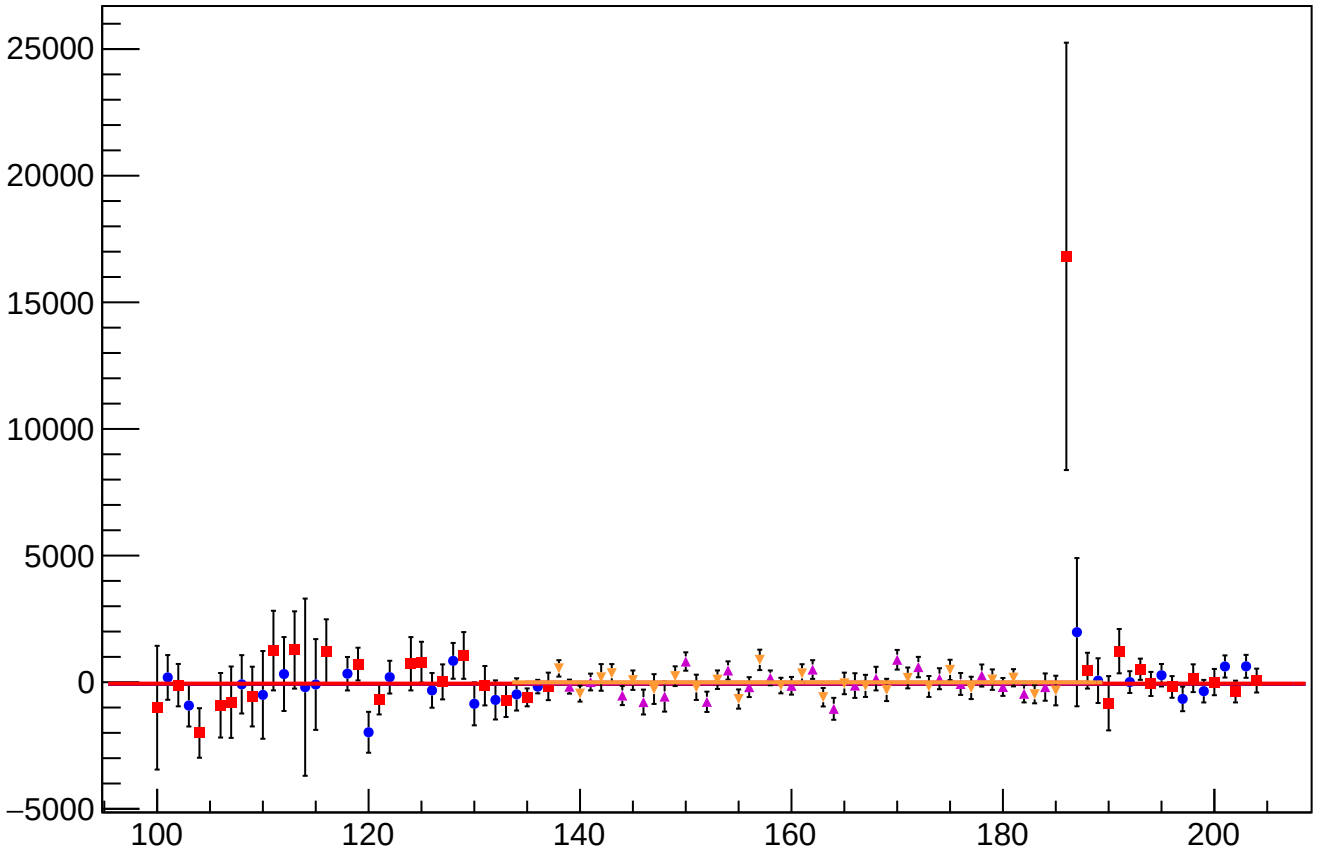
Left: 82.607+/-0.010 χ^2/NDF: 363681.9/47

Right: 81.262+/-0.011 χ^2/NDF: 2931517.3/53

In: 81.962+/-0.010 χ^2/NDF:1272189.1/46

Out: 82.098+/-0.010 χ^2/NDF:2031399.0/54

All: 82.033+/-0.007 χ^2/NDF: 3303677.1/101



Right In: -69.062+/-123.242 χ^2/NDF: 19.2/23

Left Out: -3.095+/-78.582 χ^2/NDF:23.5/24

Right Out: -56.624+/-120.433 χ^2/NDF: 26.4/29

Left In: -16.519+/-80.410 χ^2/NDF:34.9/22

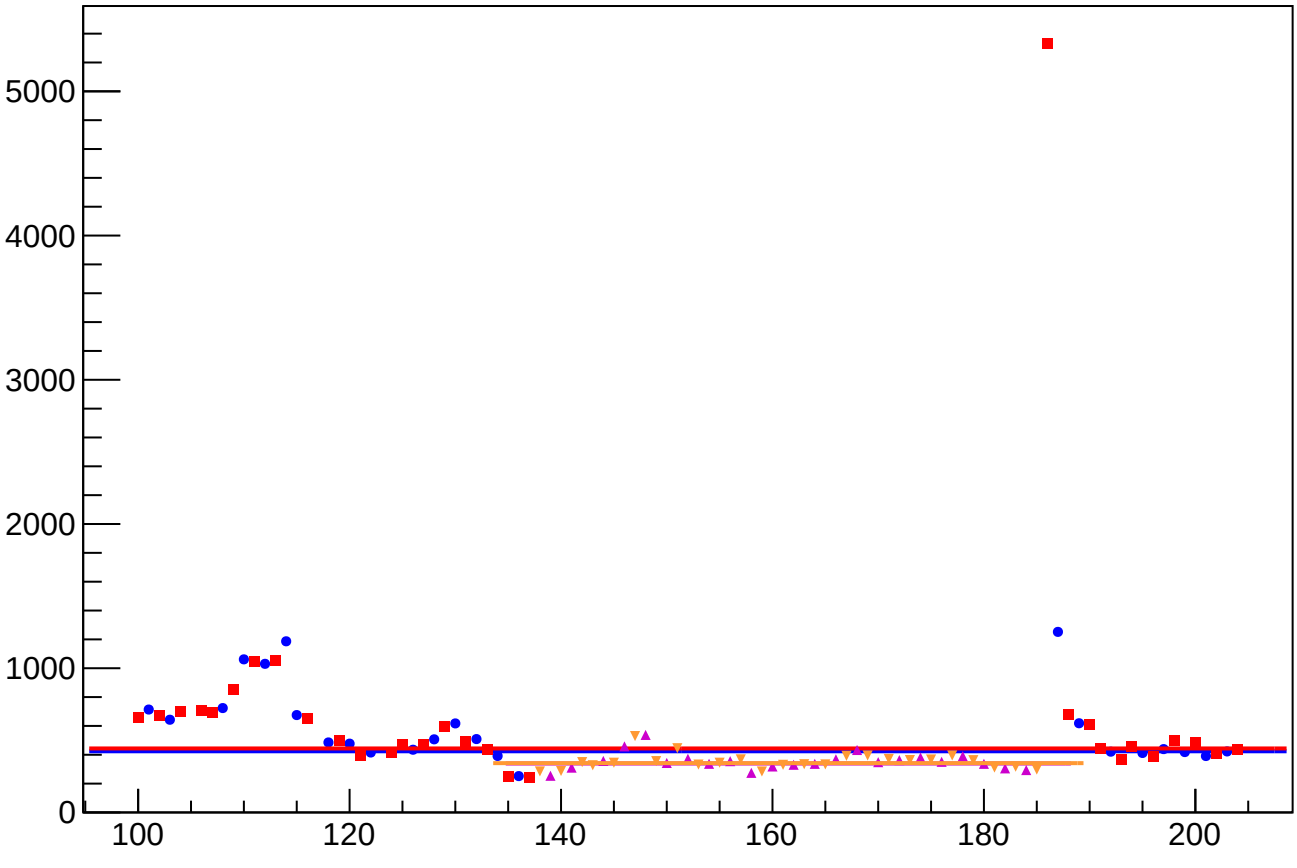
Left: -9.652+/-56.201 χ^2/NDF: 58.4/47

Right: -62.700+/-86.135 χ^2/NDF: 45.6/53

In: -32.208+/-67.343 χ^2/NDF:54.2/46

Out: -19.079+/-65.811 χ^2/NDF:50.1/54

All: -25.492+/-47.068 χ^2/NDF: 104.3/101



Right In: 424.144+/-0.087 χ^2/NDF: 2527518.4/23

Left Out: 341.918+/-0.056 χ^2/NDF:653930.4/24

Right Out: 443.789+/-0.085 χ^2/NDF: 3401022.9/29

Left In: 339.430+/-0.057 χ^2/NDF:846706.0/22

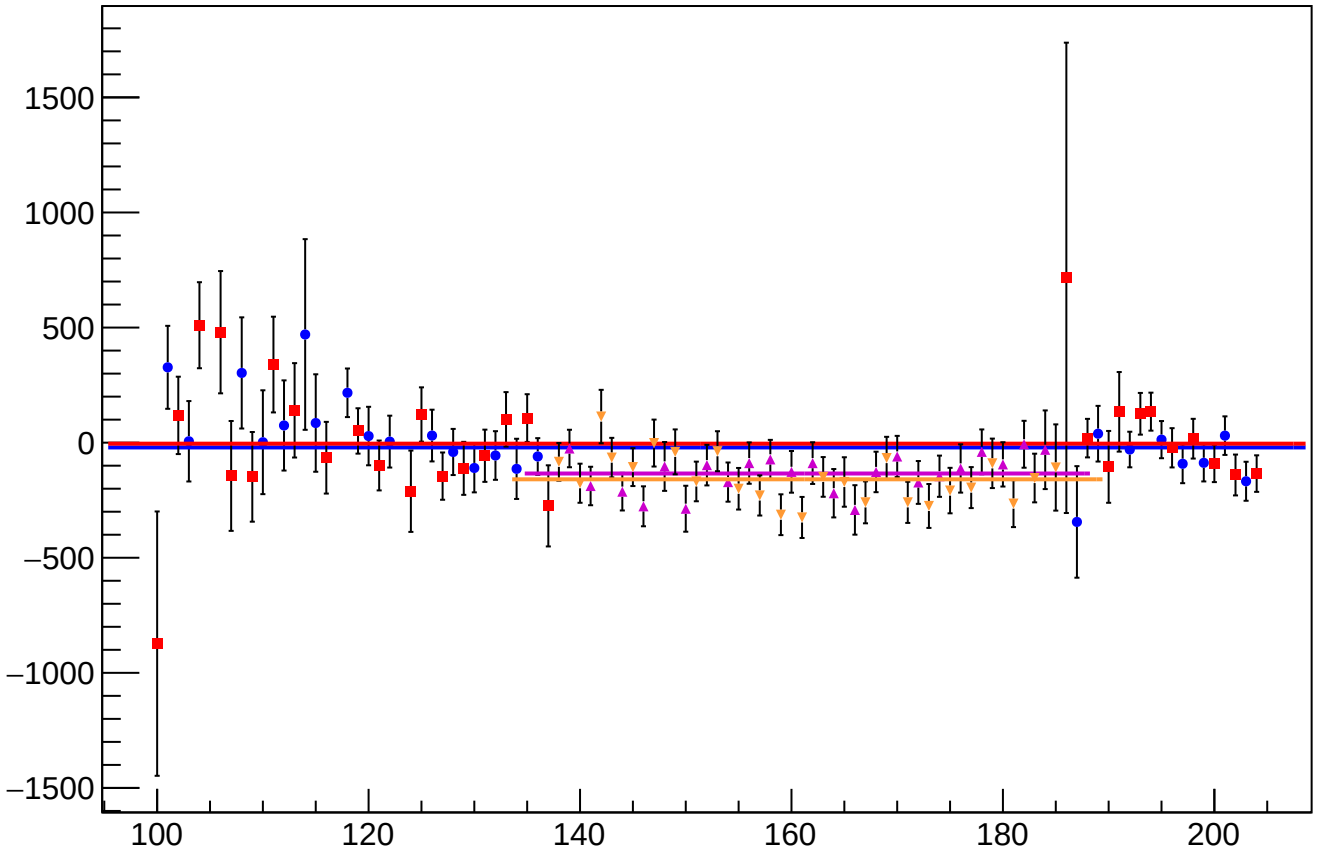
Left: 340.702+/-0.040 χ^2/NDF: 1501615.8/47

Right: 434.193+/-0.061 χ^2/NDF: 5954537.0/53

In: 364.724+/-0.048 χ^2/NDF:4037043.8/46

Out: 372.338+/-0.047 χ^2/NDF:5058649.9/54

All: 368.619+/-0.033 χ^2/NDF: 9108770.4/101



Right In: -20.804+/-22.701 χ^2/NDF: 21.5/23

Left Out: -159.223+/-18.749 χ^2/NDF:28.2/24

Right Out: -4.383+/-21.584 χ^2/NDF: 41.7/29

Left In: -134.010+/-19.441 χ^2/NDF:16.4/22

Left: -147.073+/-13.496 χ^2/NDF: 45.5/47

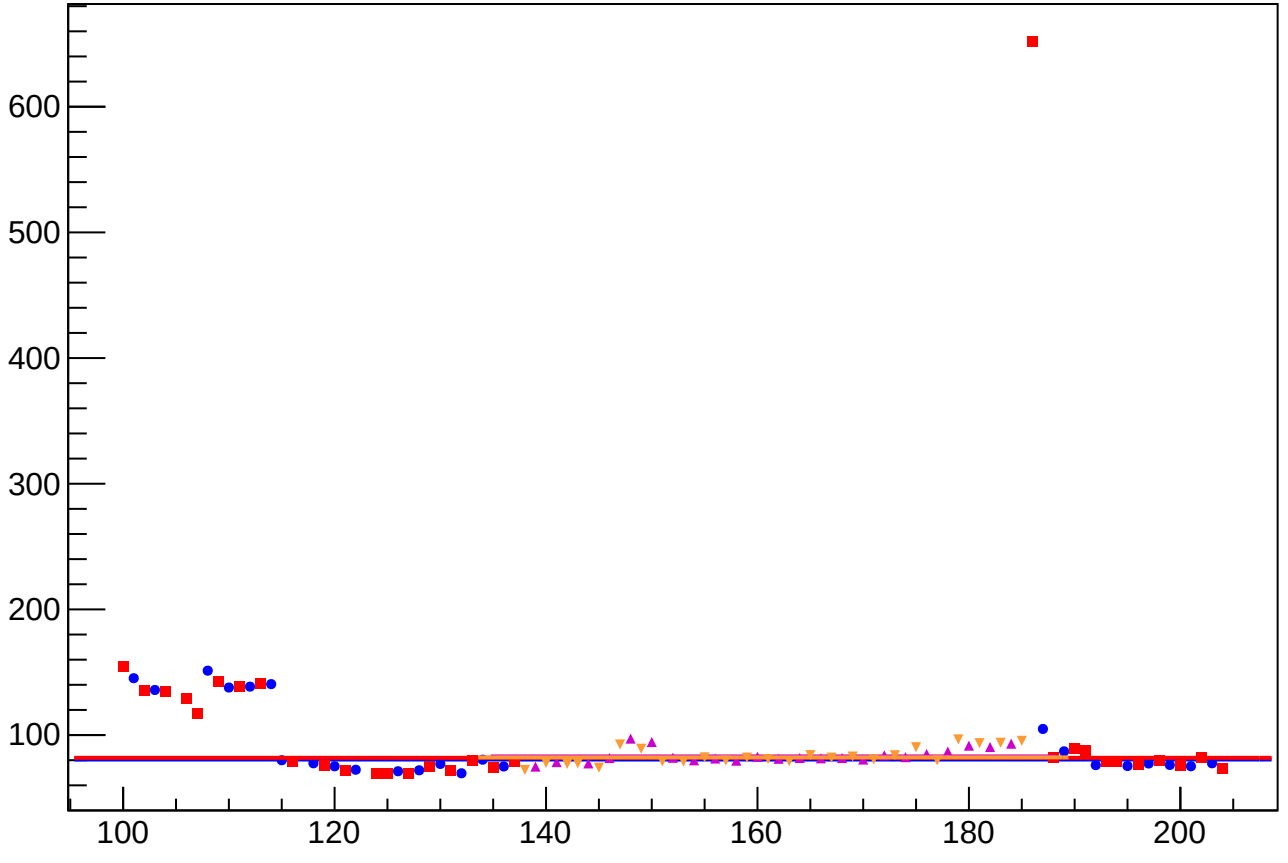
Right: -12.180+/-15.642 χ^2/NDF: 63.5/53

In: -86.112+/-14.766 χ^2/NDF:52.3/46

Out: -92.633+/-14.155 χ^2/NDF:99.2/54

All: -89.510+/-10.218 χ^2/NDF: 151.6/101

eigen_dit_asym_sam1_rms vs Slug, Sign Corrected



Right In: 80.555+/-0.016 χ^2/NDF: 1113275.5/23

Left Out: 82.247+/-0.013 χ^2/NDF:216548.5/24

Right Out: 81.900+/-0.015 χ^2/NDF: 1814556.3/29

Left In: 82.993+/-0.014 χ^2/NDF:145607.1/22

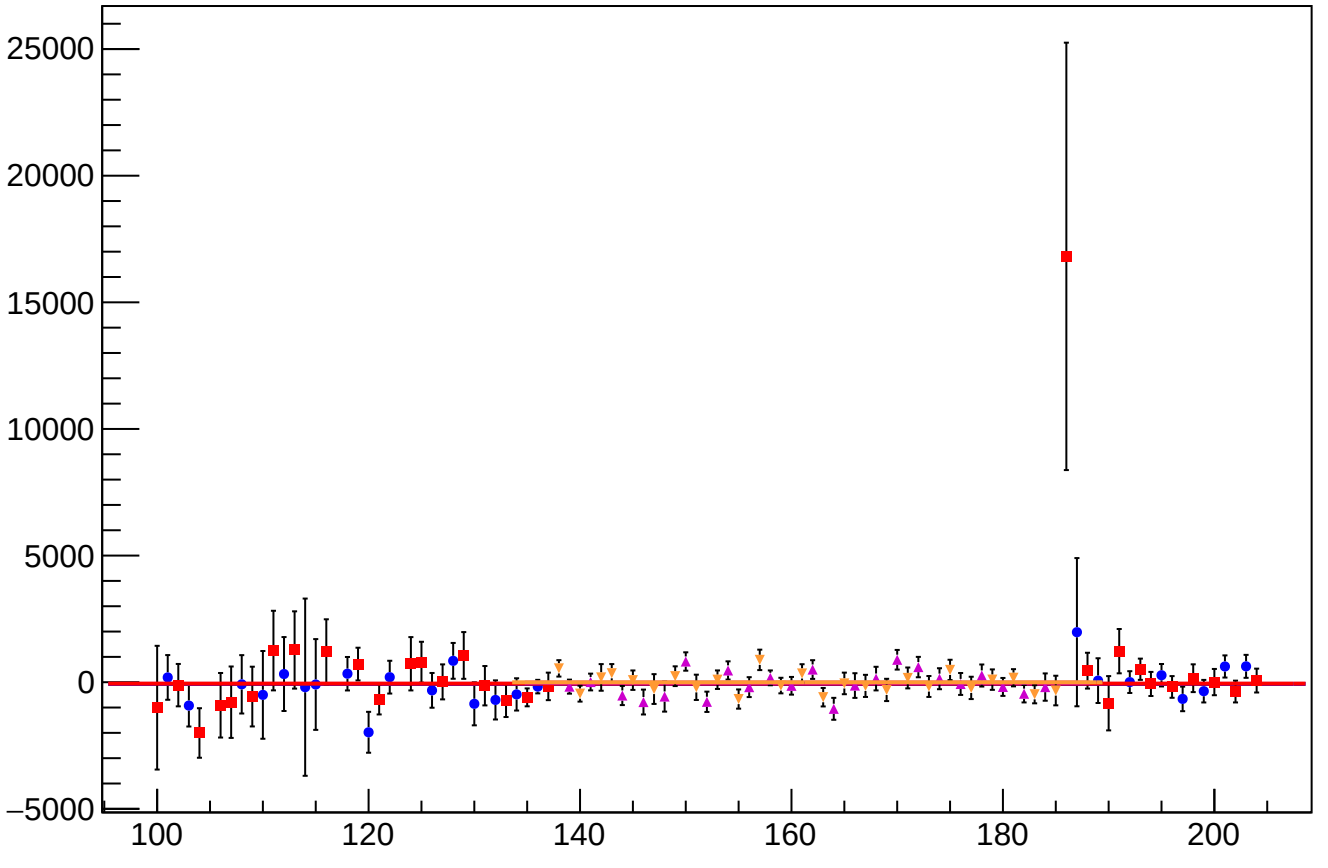
Left: 82.607+/-0.010 χ^2/NDF: 363680.5/47

Right: 81.261+/-0.011 χ^2/NDF: 2931519.0/53

In: 81.961+/-0.010 χ^2/NDF:1272190.2/46

Out: 82.098+/-0.010 χ^2/NDF:2031399.8/54

All: 82.033+/-0.007 χ^2/NDF: 3303679.0/101



Right In: -69.061+/-123.242 χ^2/NDF: 19.2/23

Left Out: -3.094+/-78.582 χ^2/NDF:23.5/24

Right Out: -56.624+/-120.432 χ^2/NDF: 26.4/29

Left In: -16.519+/-80.410 χ^2/NDF:34.9/22

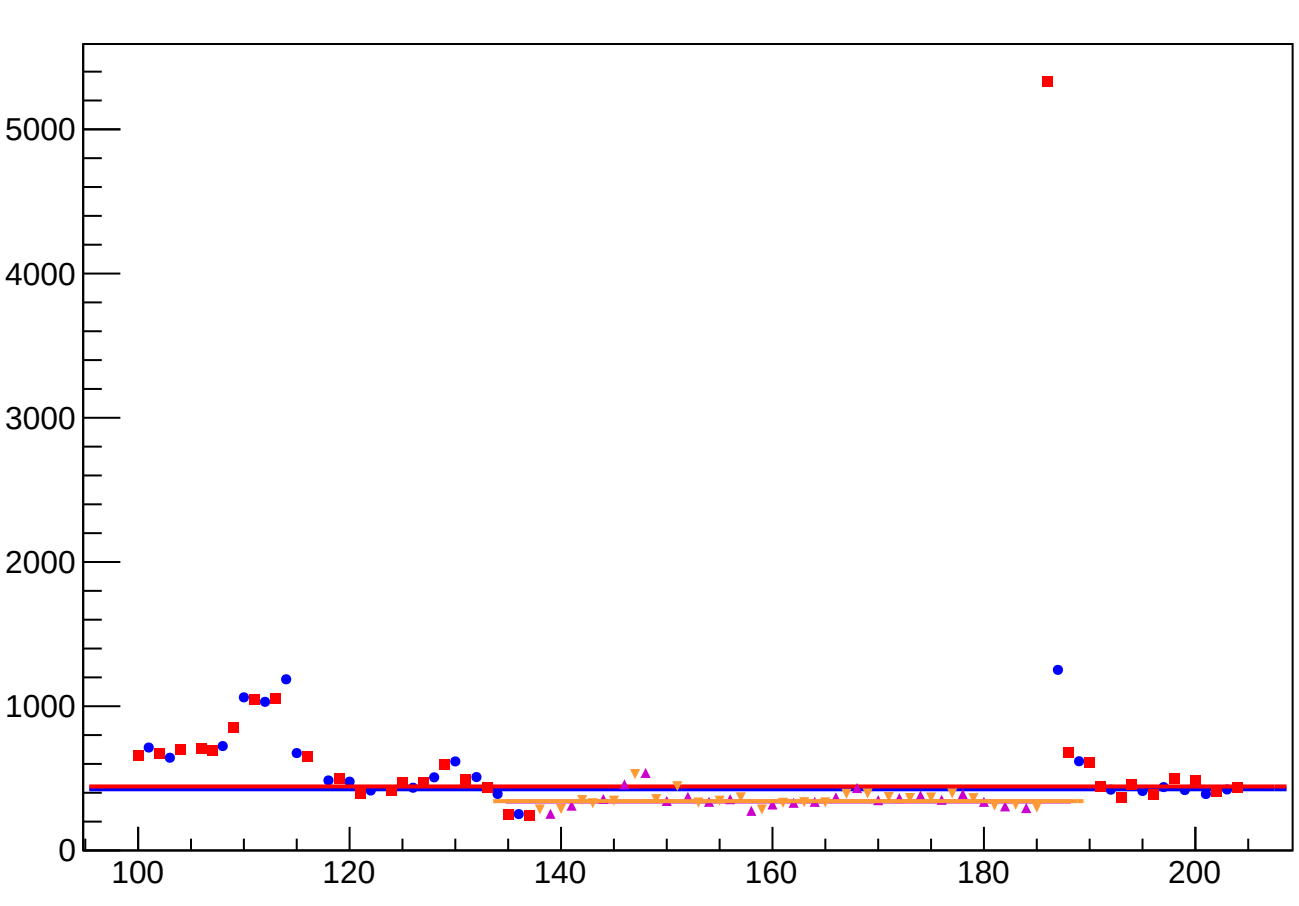
Left: -9.652+/-56.201 χ^2/NDF: 58.4/47

Right: -62.699+/-86.135 χ^2/NDF: 45.6/53

In: -32.207+/-67.343 χ^2/NDF:54.2/46

Out: -19.079+/-65.811 χ^2/NDF:50.1/54

All: -25.492+/-47.068 χ^2/NDF: 104.3/101



Right In: 424.143+/-0.087 χ^2/NDF: 2527523.9/23

Left Out: 341.918+/-0.056 χ^2/NDF:653932.3/24

Right Out: 443.788+/-0.085 χ^2/NDF: 3401031.5/29

Left In: 339.430+/-0.057 χ^2/NDF:846709.1/22

Left: 340.702+/-0.040 χ^2/NDF: 1501620.7/47

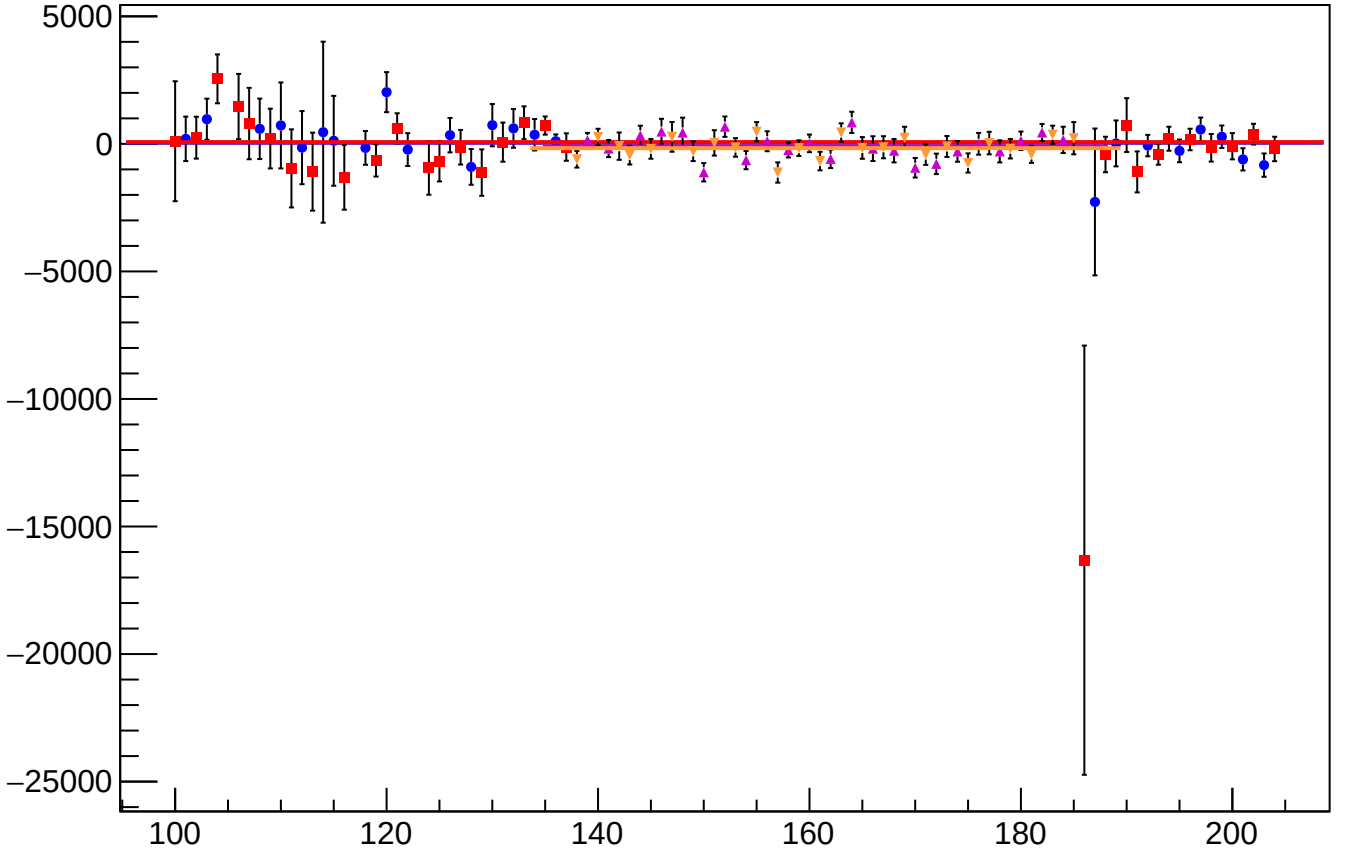
Right: 434.192+/-0.061 χ^2/NDF: 5954550.6/53

In: 364.724+/-0.048 χ^2/NDF:4037042.0/46

Out: 372.338+/-0.047 χ^2/NDF:5058643.3/54

All: 368.618+/-0.033 χ^2/NDF: 9108761.9/101

asym_sam1_mean vs Slug, Sign Corrected



Right In: 46.284+/-121.940 χ^2/NDF: 20.7/23

Left Out: -167.380+/-78.179 χ^2/NDF:25.6/24

Right Out: 67.002+/-118.728 χ^2/NDF: 30.4/29

Left In: -104.016+/-79.995 χ^2/NDF:37.5/22

Left: -136.425+/-55.912 χ^2/NDF: 63.4/47

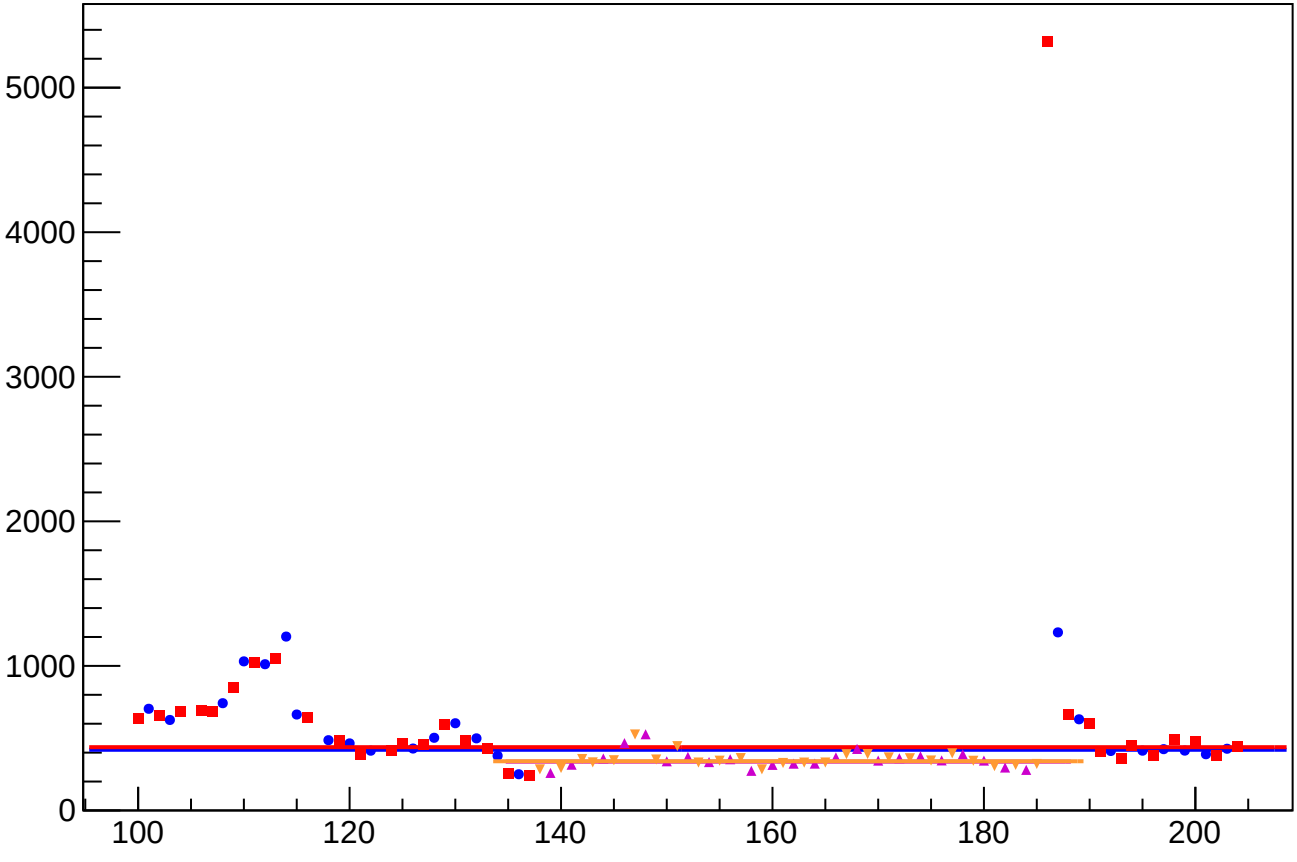
Right: 56.919+/-85.066 χ^2/NDF: 51.1/53

In: -58.794+/-66.887 χ^2/NDF:59.2/46

Out: -96.492+/-65.295 χ^2/NDF:58.7/54

All: -78.097+/-46.723 χ^2/NDF: 118.1/101

asym_sam1_rms vs Slug, Sign Corrected



Right In: 419.762+/-0.086 χ^2/NDF: 2506339.2/23

Left Out: 340.391+/-0.055 χ^2/NDF:604155.3/24

Right Out: 437.687+/-0.084 χ^2/NDF: 3360268.4/29

Left In: 337.759+/-0.057 χ^2/NDF:820674.4/22

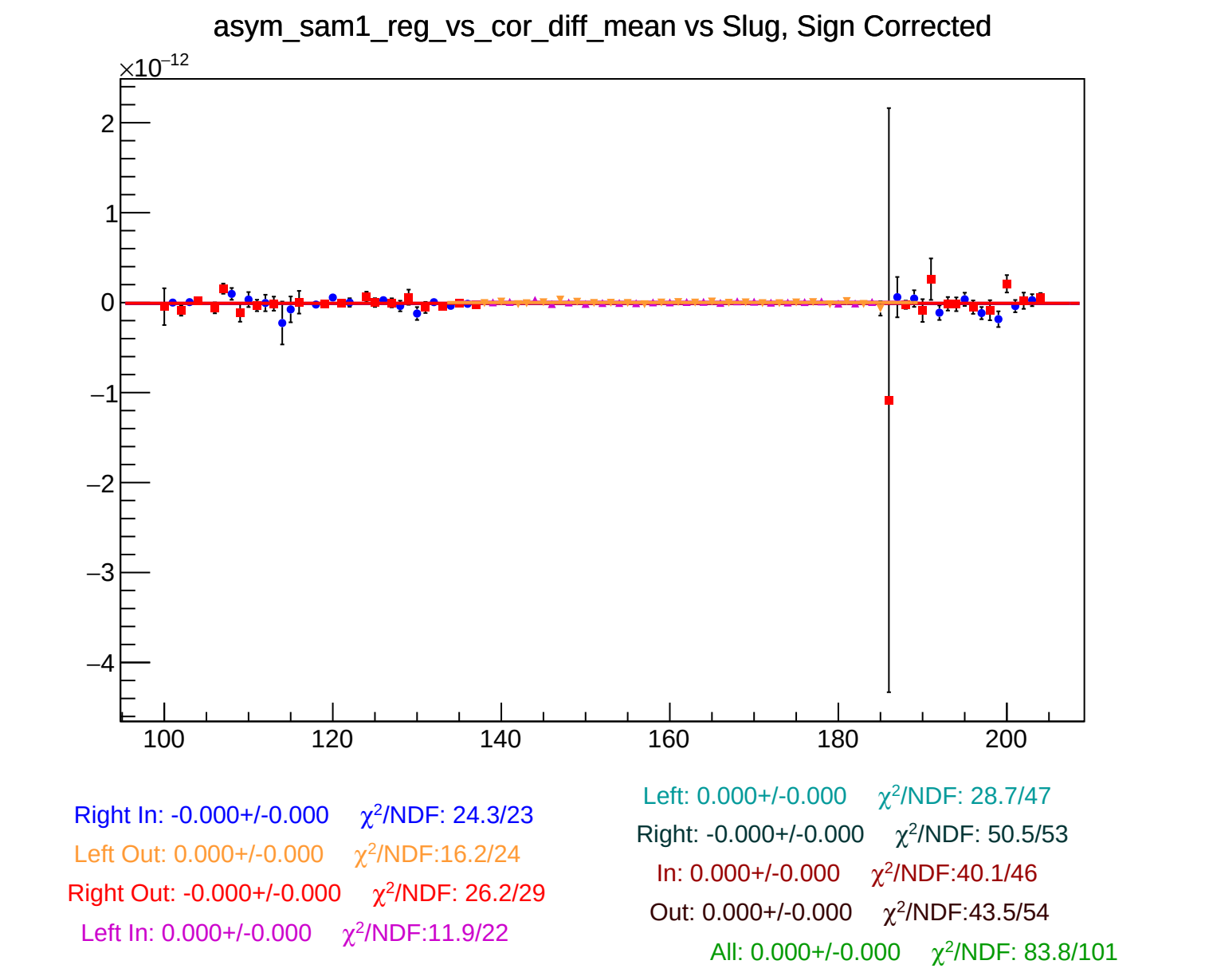
Left: 339.105+/-0.040 χ^2/NDF: 1425937.5/47

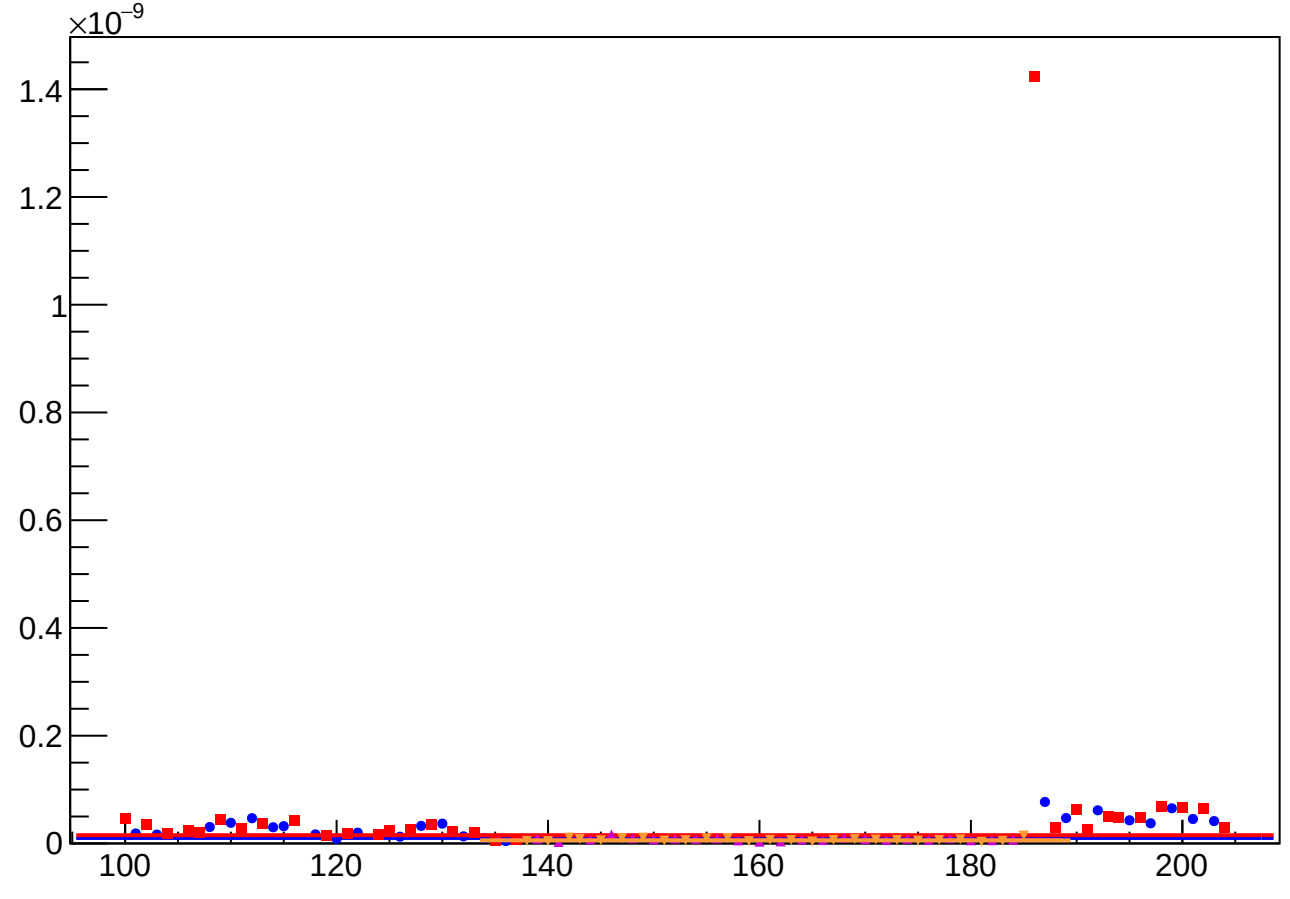
Right: 428.964+/-0.060 χ^2/NDF: 5888793.9/53

In: 362.432+/-0.047 χ^2/NDF:3959361.3/46

Out: 369.818+/-0.046 χ^2/NDF:4901322.1/54

All: 366.214+/-0.033 χ^2/NDF: 8873171.8/101


asym_sam1_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
1
0
−1
−2
−3
−4
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 24.3/23
Left Out: 0.000+/-0.000 χ²/NDF:16.2/24
Right Out: -0.000+/-0.000 χ²/NDF: 26.2/29
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: 50.5/53
In: 0.000+/-0.000 χ²/NDF:40.1/46
Out: 0.000+/-0.000 χ²/NDF:43.5/54
All: 0.000+/-0.000 χ²/NDF: 83.8/101



Right In: 0.000+/-0.000 χ^2/NDF: 6706672.5/23

Left Out: 0.000+/-0.000 χ^2/NDF:1155947.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6973505.8/29

Left In: 0.000+/-0.000 χ^2/NDF:1970663.5/22

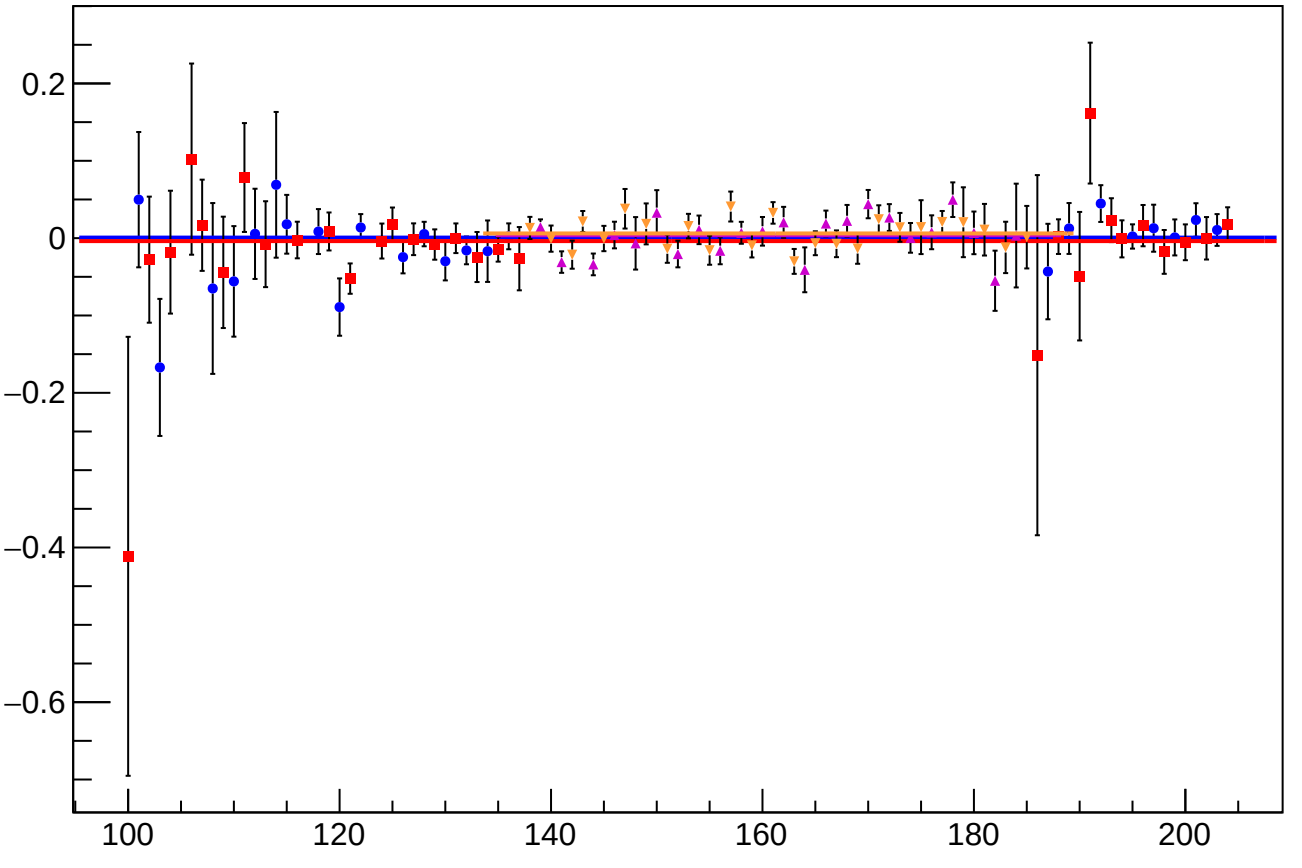
Left: 0.000+/-0.000 χ^2/NDF: 3156838.2/47

Right: 0.000+/-0.000 χ^2/NDF: 14216988.9/53

In: 0.000+/-0.000 χ^2/NDF:9421427.0/46

Out: 0.000+/-0.000 χ^2/NDF:10914102.9/54

All: 0.000+/-0.000 χ^2/NDF: 20347826.4/101



Right In: 0.001+/-0.005 χ^2/NDF: 21.8/23

Left Out: 0.006+/-0.004 χ^2/NDF:26.7/24

Right Out: -0.004+/-0.005 χ^2/NDF: 20.1/29

Left In: 0.004+/-0.004 χ^2/NDF:37.1/22

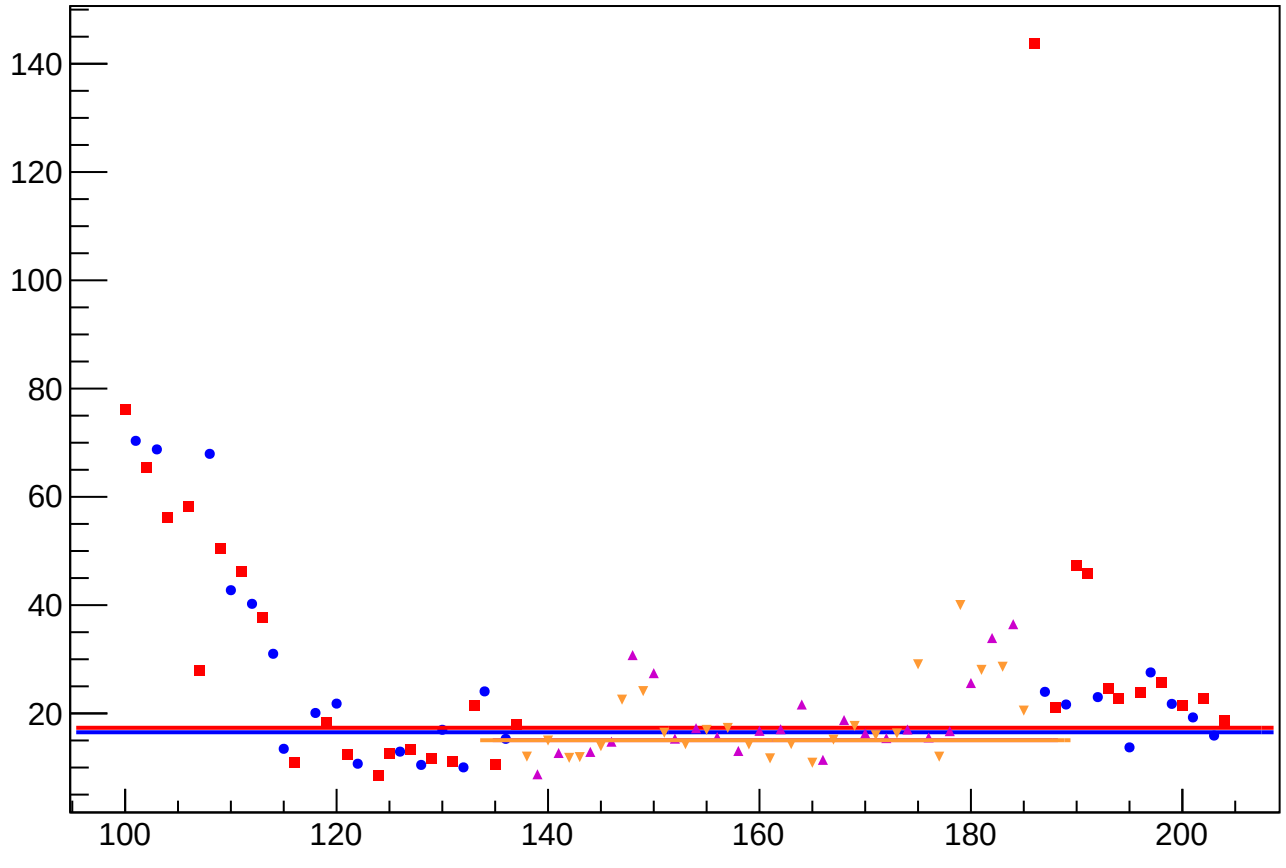
Left: 0.005+/-0.003 χ^2/NDF: 64.0/47

Right: -0.002+/-0.004 χ^2/NDF: 42.3/53

In: 0.003+/-0.003 χ^2/NDF:59.1/46

Out: 0.003+/-0.003 χ^2/NDF:49.2/54

All: 0.003+/-0.002 χ^2/NDF: 108.3/101



Right In: 16.516+/-0.004 χ^2/NDF: 4226422.6/23

Left Out: 15.046+/-0.003 χ^2/NDF:2758075.6/24

Right Out: 17.345+/-0.004 χ^2/NDF: 5853240.7/29

Left In: 15.068+/-0.003 χ^2/NDF:3066591.4/22

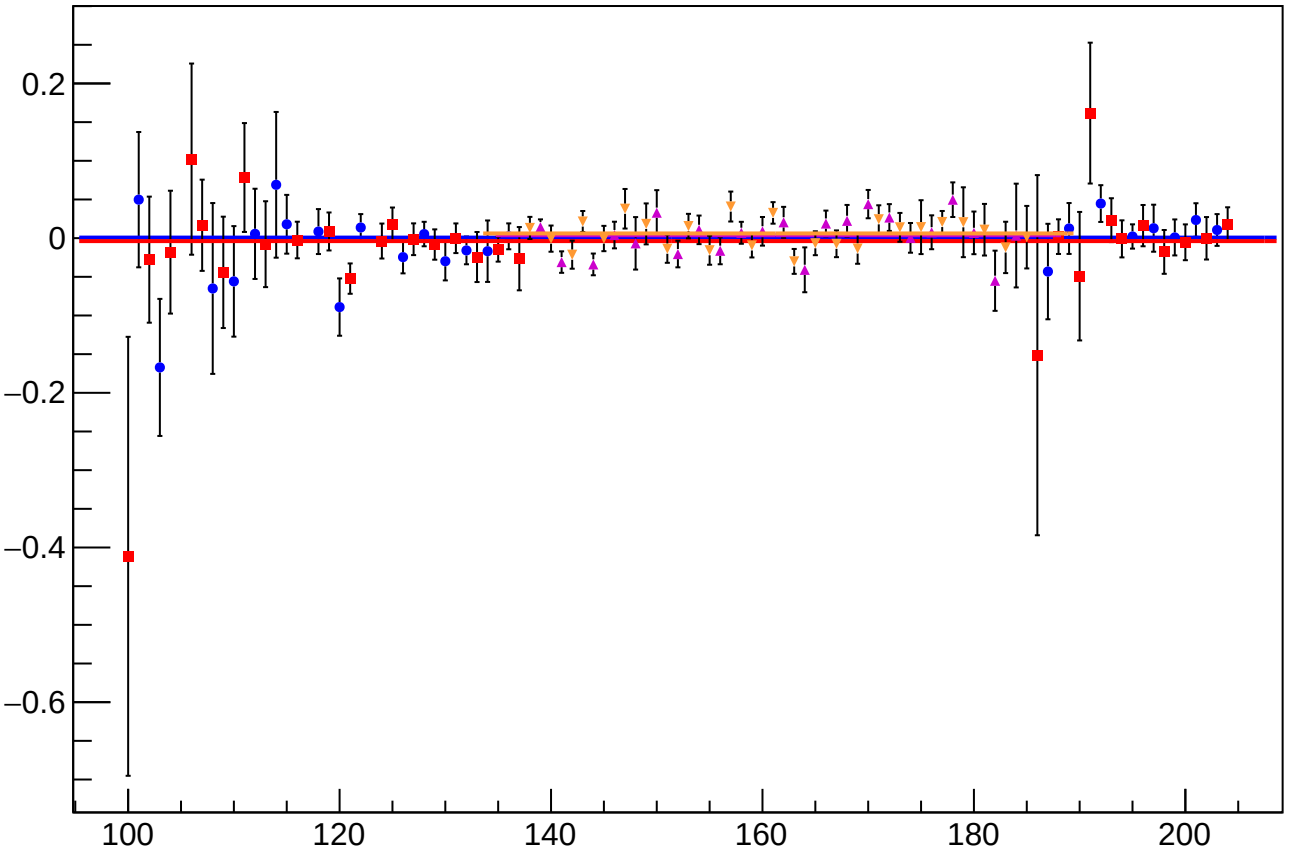
Left: 15.057+/-0.002 χ^2/NDF: 5824699.0/47

Right: 16.937+/-0.003 χ^2/NDF: 10105203.1/53

In: 15.573+/-0.002 χ^2/NDF:7392651.2/46

Out: 15.824+/-0.002 χ^2/NDF:8875305.3/54

All: 15.703+/-0.002 χ^2/NDF: 16274743.4/101



Right In: 0.001+/-0.005 χ^2/NDF: 21.8/23

Left Out: 0.006+/-0.004 χ^2/NDF:26.7/24

Right Out: -0.004+/-0.005 χ^2/NDF: 20.1/29

Left In: 0.004+/-0.004 χ^2/NDF:37.1/22

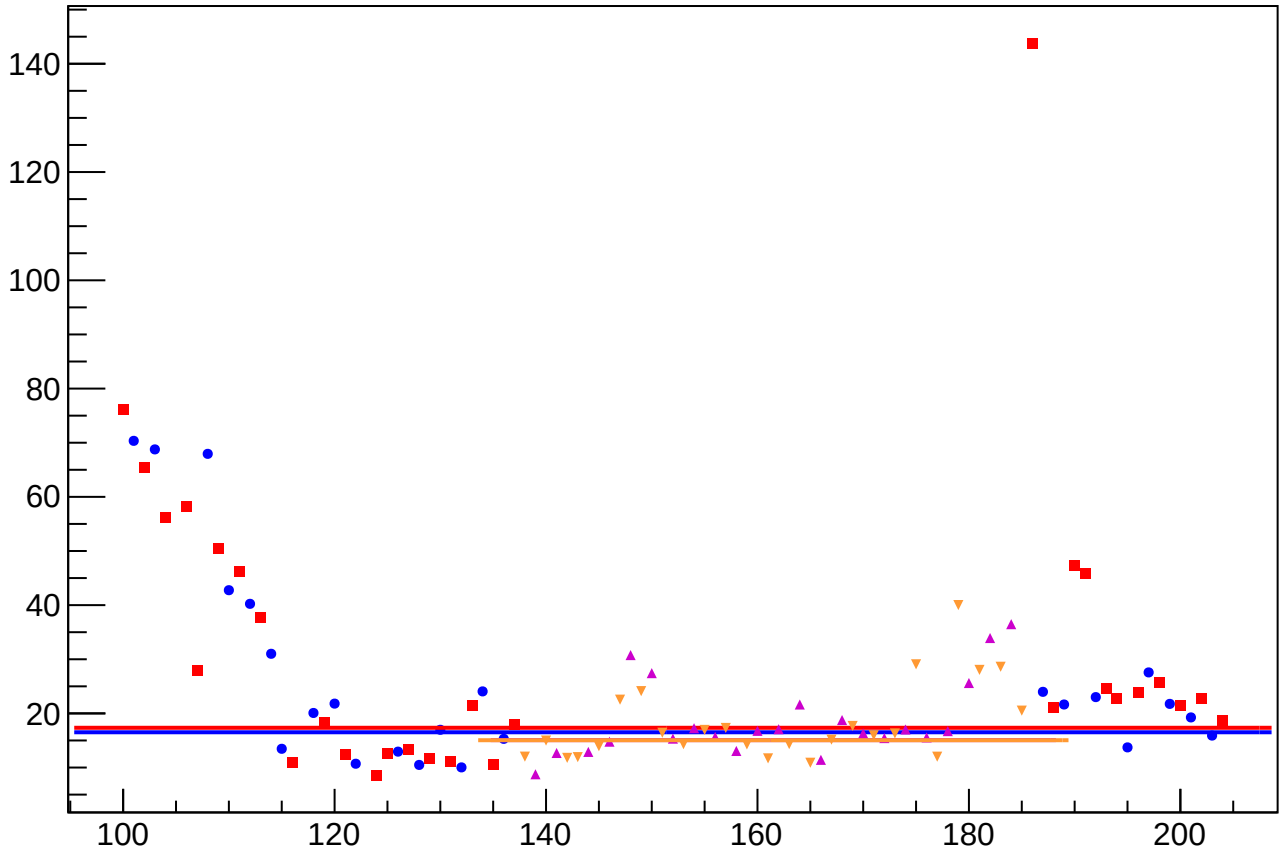
Left: 0.005+/-0.003 χ^2/NDF: 64.0/47

Right: -0.002+/-0.004 χ^2/NDF: 42.3/53

In: 0.003+/-0.003 χ^2/NDF:59.1/46

Out: 0.003+/-0.003 χ^2/NDF:49.2/54

All: 0.003+/-0.002 χ^2/NDF: 108.3/101



Right In: 16.516+/-0.004 χ^2/NDF: 4226422.6/23

Left Out: 15.046+/-0.003 χ^2/NDF:2758075.6/24

Right Out: 17.345+/-0.004 χ^2/NDF: 5853240.7/29

Left In: 15.068+/-0.003 χ^2/NDF:3066591.4/22

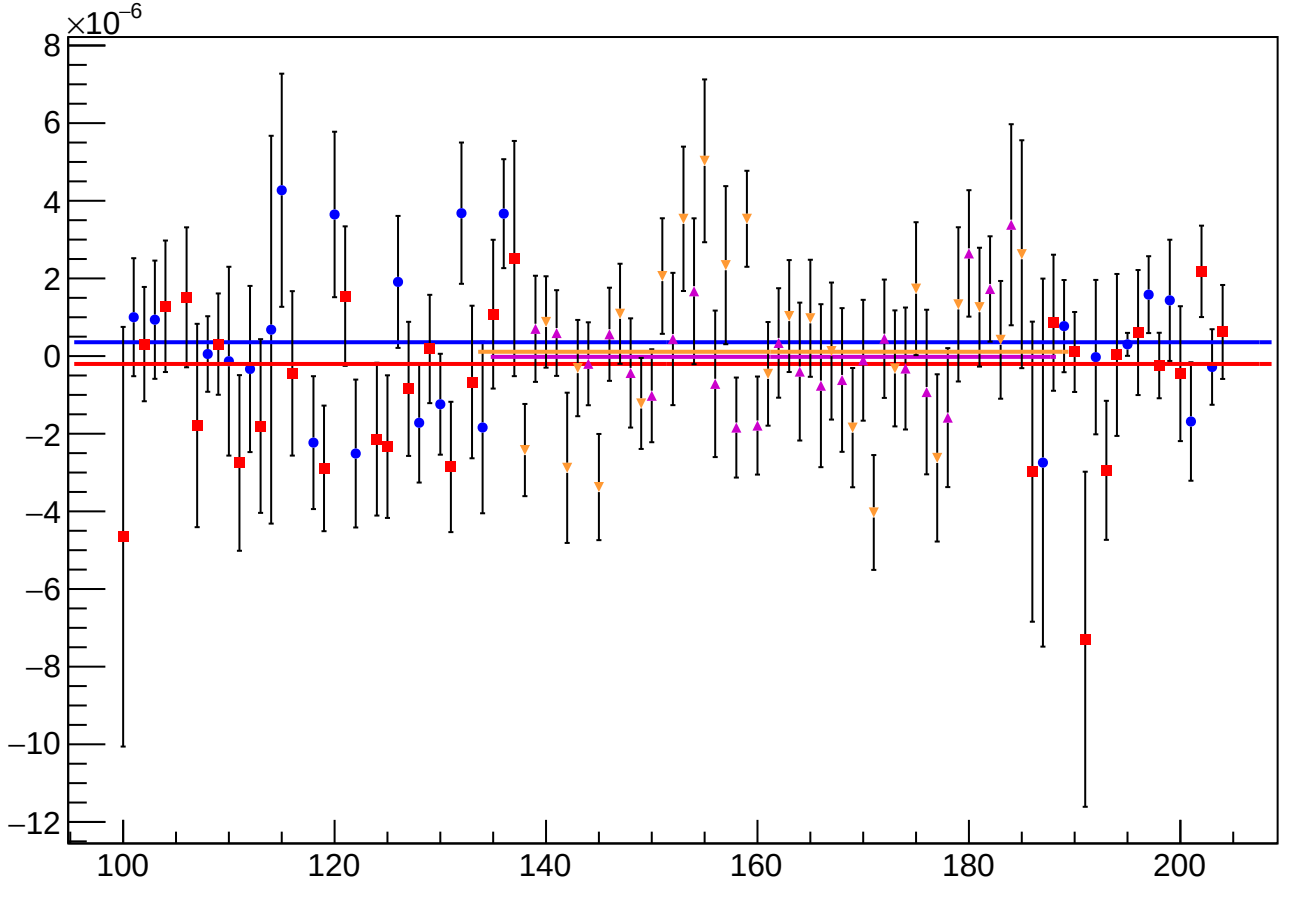
Left: 15.057+/-0.002 χ^2/NDF: 5824699.0/47

Right: 16.937+/-0.003 χ^2/NDF: 10105203.1/53

In: 15.573+/-0.002 χ^2/NDF:7392651.2/46

Out: 15.824+/-0.002 χ^2/NDF:8875305.3/54

All: 15.703+/-0.002 χ^2/NDF: 16274743.4/101



Right In: 0.000+/-0.000 χ^2/NDF: 28.1/23

Left Out: 0.000+/-0.000 χ^2/NDF:50.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 25.7/29

Left In: -0.000+/-0.000 χ^2/NDF:14.1/22

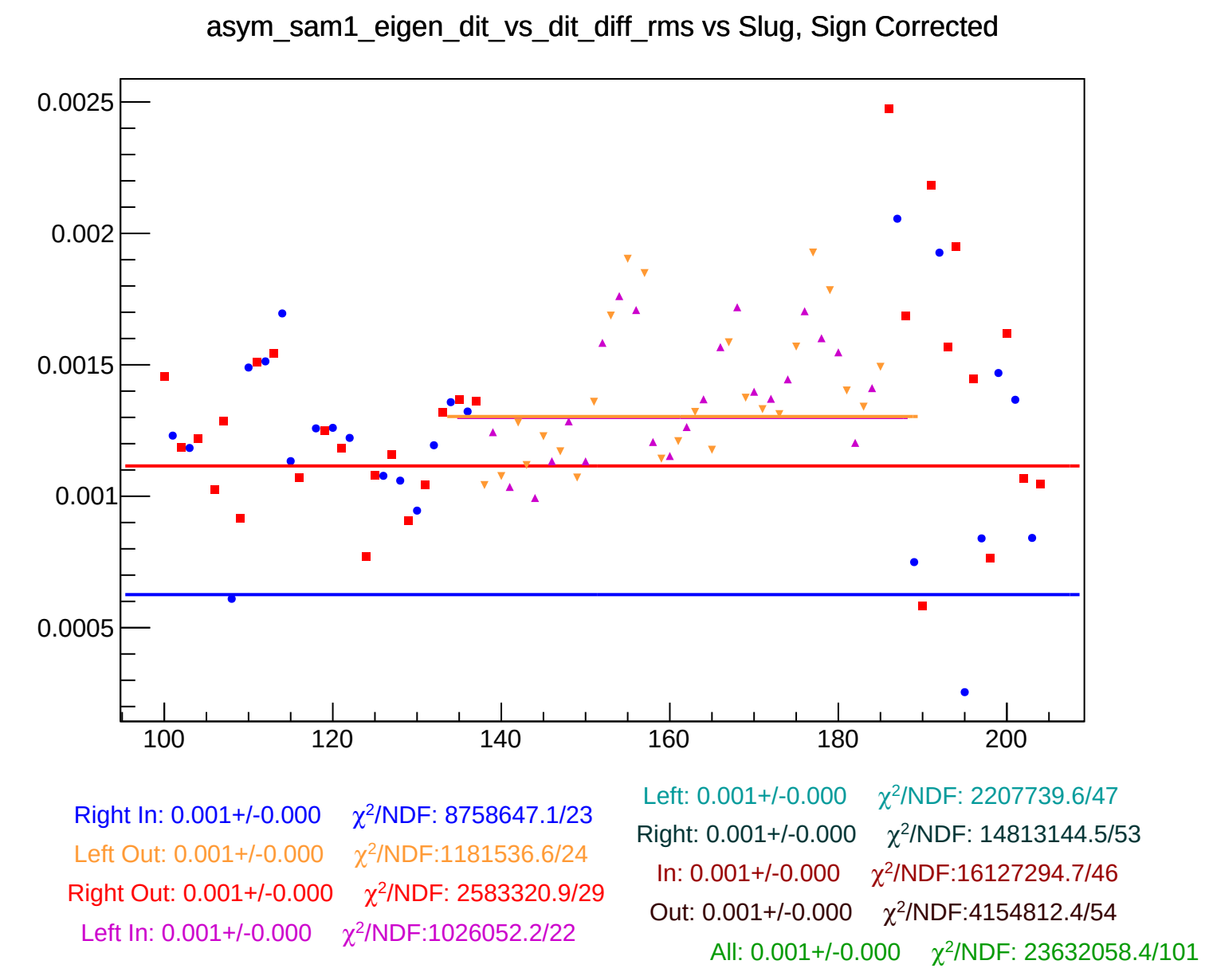
Left: 0.000+/-0.000 χ^2/NDF: 64.2/47

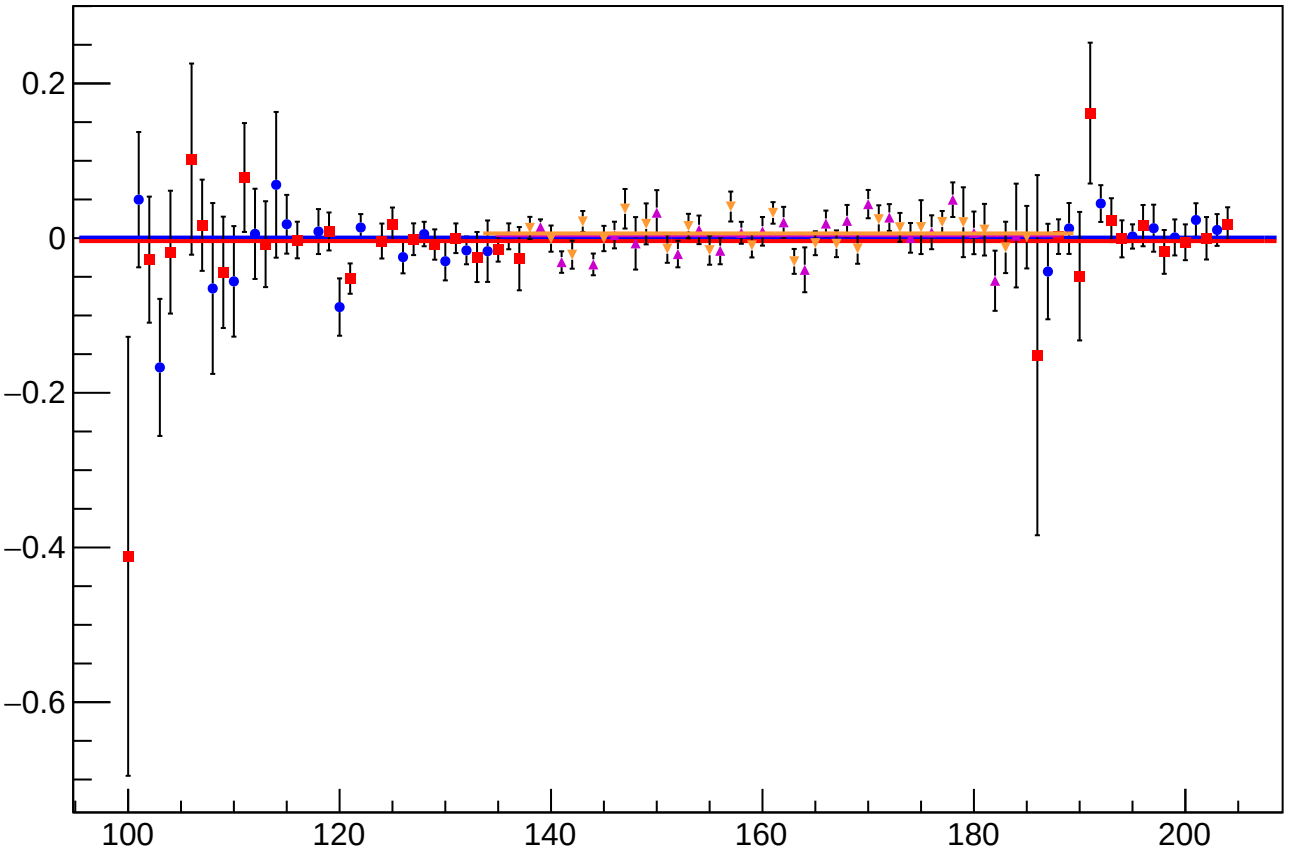
Right: 0.000+/-0.000 χ^2/NDF: 56.1/53

In: 0.000+/-0.000 χ^2/NDF:43.2/46

Out: -0.000+/-0.000 χ^2/NDF:76.2/54

All: 0.000+/-0.000 χ^2/NDF: 120.4/101


asym_sam1_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.0025
0.002
0.0015
0.001
0.0005
100
120
140
160
180
200
Right In: 0.001+/-0.000 χ²/NDF: 8758647.1/23
Left Out: 0.001+/-0.000 χ²/NDF:1181536.6/24
Right Out: 0.001+/-0.000 χ²/NDF: 2583320.9/29
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: 14813144.5/53
In: 0.001+/-0.000 χ²/NDF:16127294.7/46
Out: 0.001+/-0.000 χ²/NDF:4154812.4/54
All: 0.001+/-0.000 χ²/NDF: 23632058.4/101



Right In: 0.001+/-0.005 χ^2/NDF: 21.8/23

Left Out: 0.006+/-0.004 χ^2/NDF:26.7/24

Right Out: -0.004+/-0.005 χ^2/NDF: 20.1/29

Left In: 0.004+/-0.004 χ^2/NDF:37.1/22

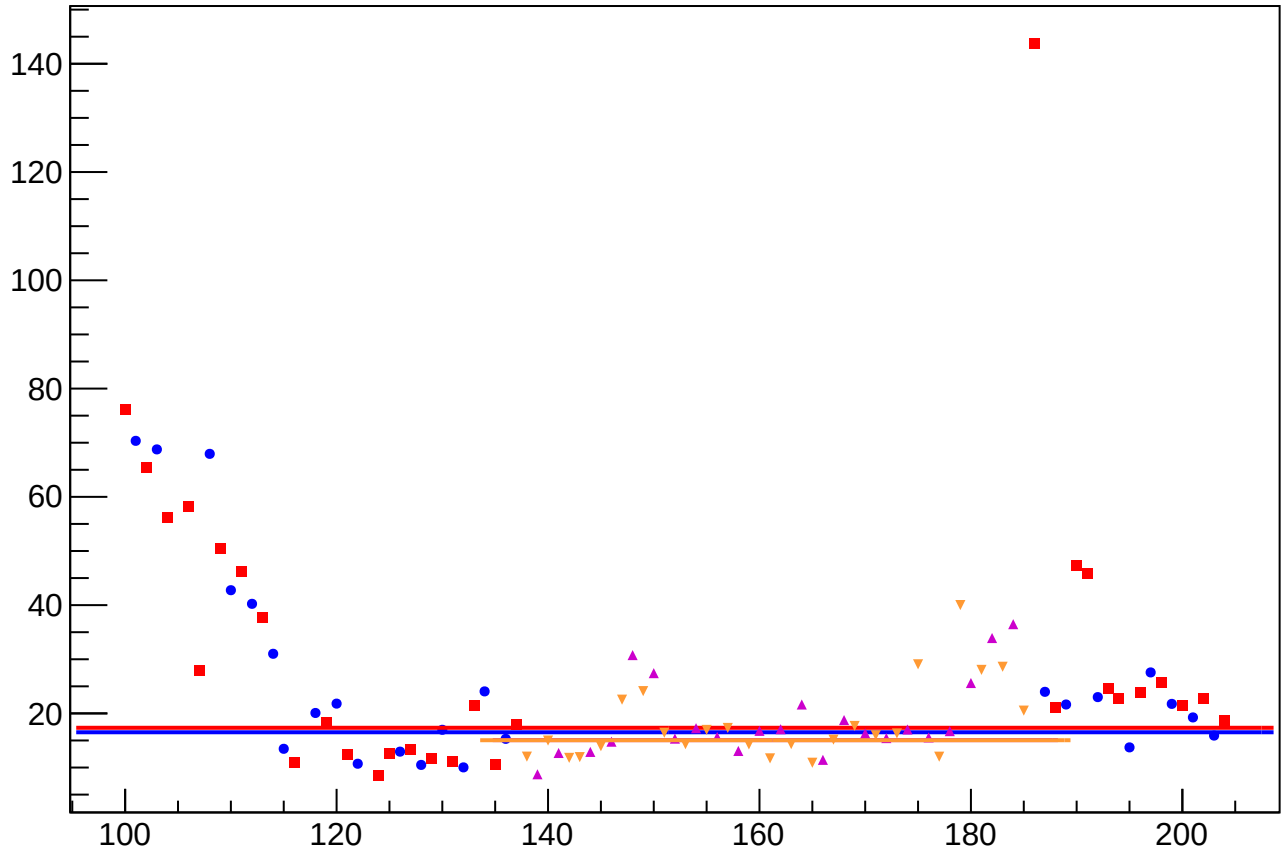
Left: 0.005+/-0.003 χ^2/NDF: 64.0/47

Right: -0.002+/-0.004 χ^2/NDF: 42.3/53

In: 0.003+/-0.003 χ^2/NDF:59.1/46

Out: 0.003+/-0.003 χ^2/NDF:49.2/54

All: 0.003+/-0.002 χ^2/NDF: 108.3/101



Right In: 16.515+/-0.004 χ^2/NDF: 4226405.7/23

Left Out: 15.046+/-0.003 χ^2/NDF:2758285.3/24

Right Out: 17.345+/-0.004 χ^2/NDF: 5853173.7/29

Left In: 15.067+/-0.003 χ^2/NDF:3066635.3/22

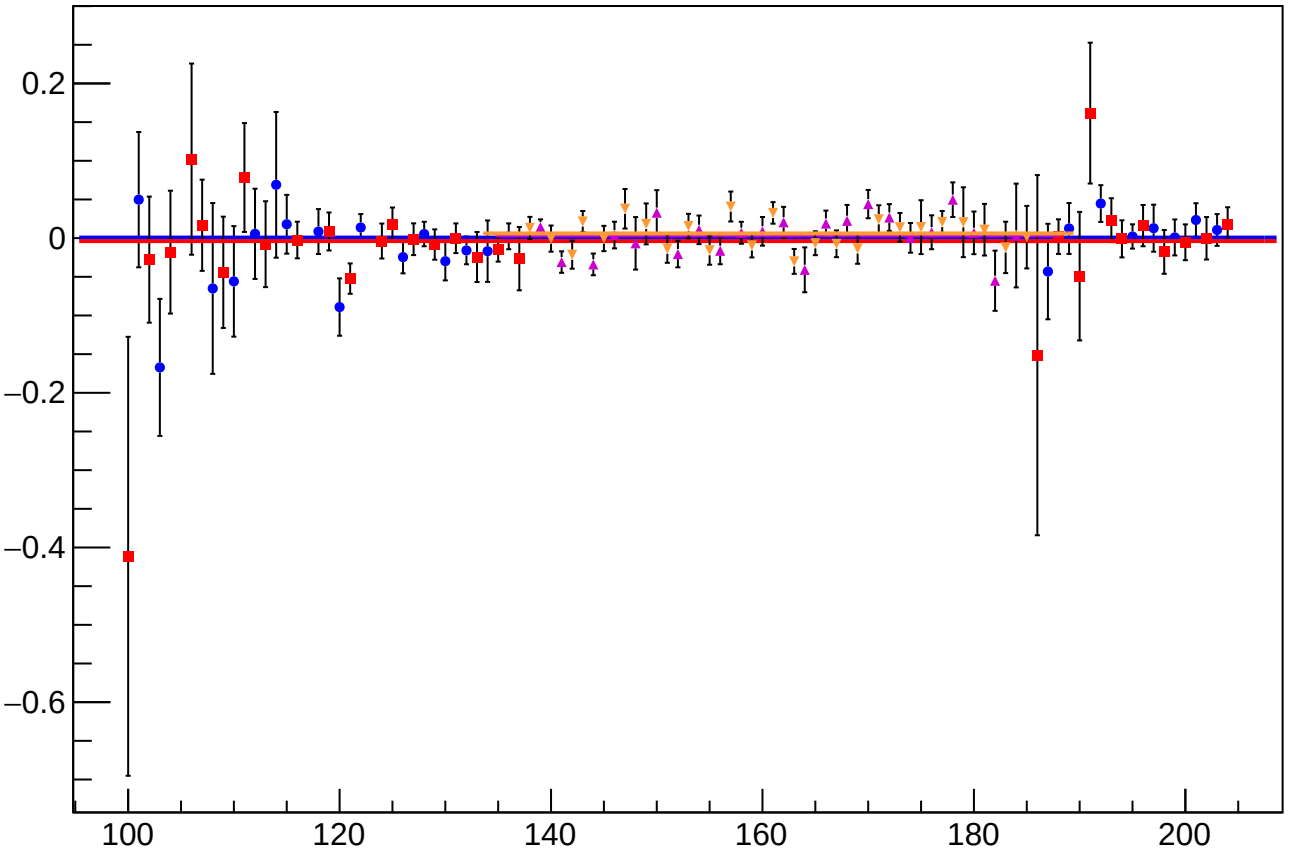
Left: 15.056+/-0.002 χ^2/NDF: 5824952.7/47

Right: 16.937+/-0.003 χ^2/NDF: 10105123.3/53

In: 15.573+/-0.002 χ^2/NDF:7392669.4/46

Out: 15.824+/-0.002 χ^2/NDF:8875463.8/54

All: 15.702+/-0.002 χ^2/NDF: 16274918.7/101



Right In: 0.001+/-0.005 χ^2/NDF: 21.8/23

Left Out: 0.006+/-0.004 χ^2/NDF:26.7/24

Right Out: -0.004+/-0.005 χ^2/NDF: 20.1/29

Left In: 0.004+/-0.004 χ^2/NDF:37.1/22

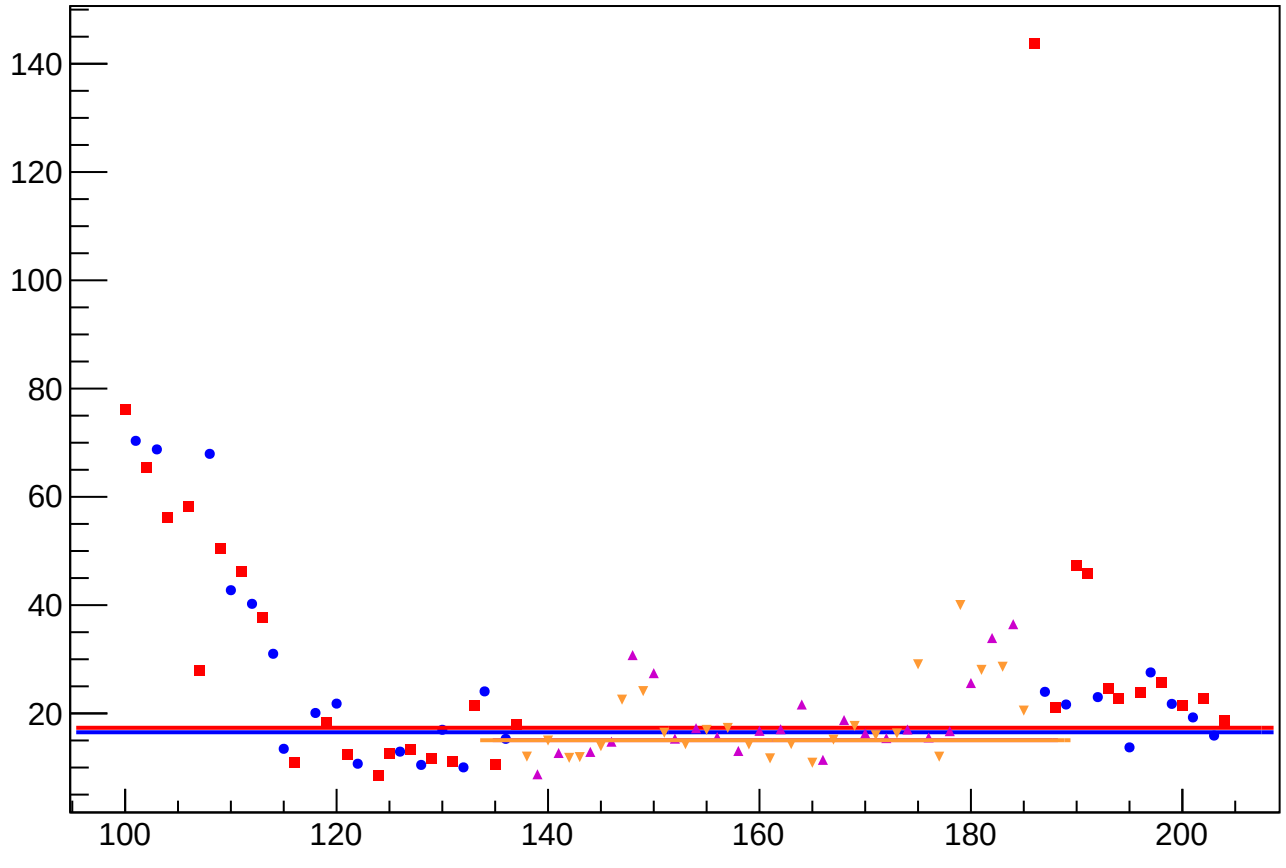
Left: 0.005+/-0.003 χ^2/NDF: 64.0/47

Right: -0.002+/-0.004 χ^2/NDF: 42.3/53

In: 0.003+/-0.003 χ^2/NDF:59.1/46

Out: 0.003+/-0.003 χ^2/NDF:49.2/54

All: 0.003+/-0.002 χ^2/NDF: 108.3/101



Right In: 16.515+/-0.004 χ^2/NDF: 4226405.7/23

Left Out: 15.046+/-0.003 χ^2/NDF:2758285.3/24

Right Out: 17.345+/-0.004 χ^2/NDF: 5853173.7/29

Left In: 15.067+/-0.003 χ^2/NDF:3066635.3/22

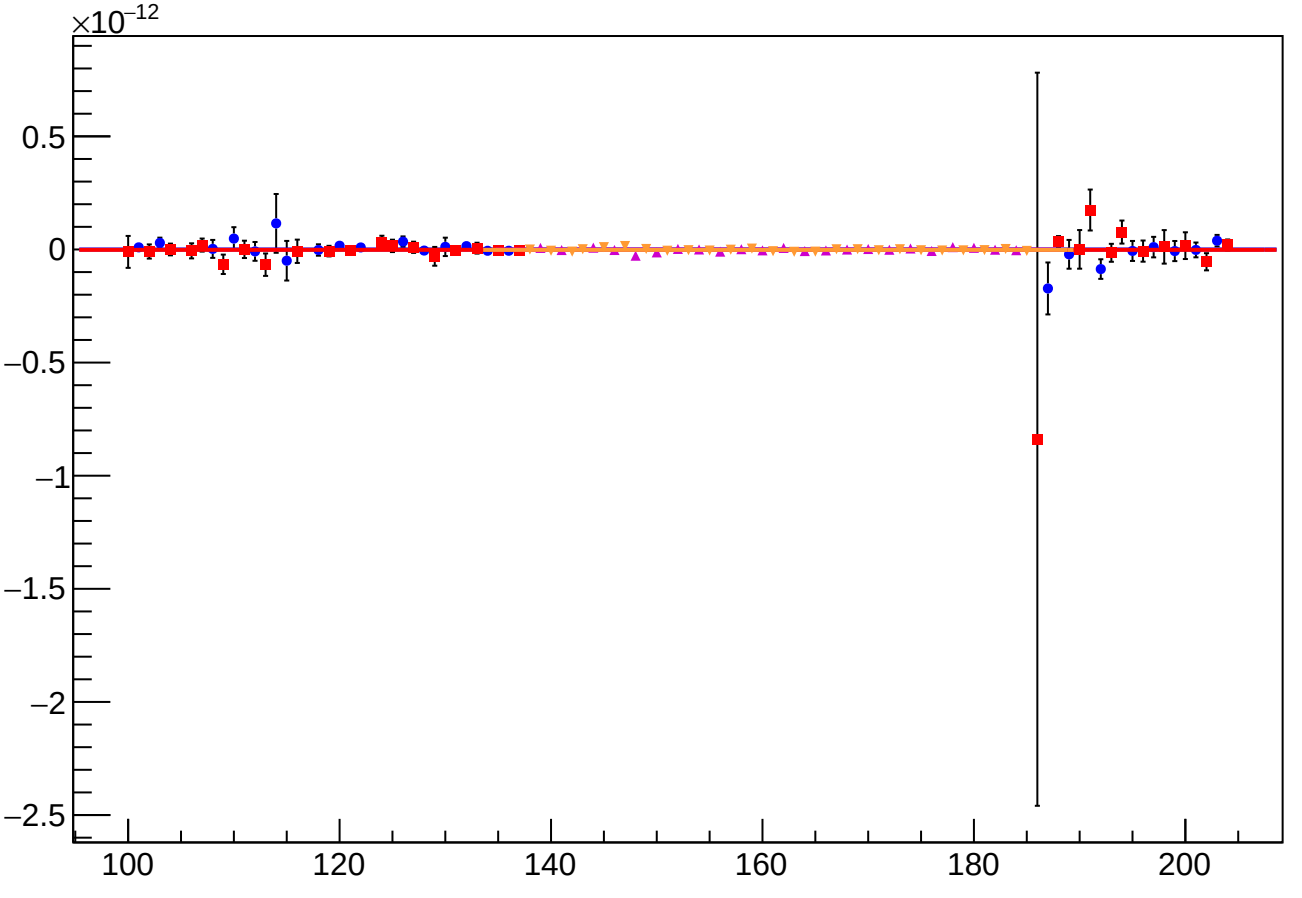
Left: 15.056+/-0.002 χ^2/NDF: 5824952.7/47

Right: 16.937+/-0.003 χ^2/NDF: 10105123.3/53

In: 15.573+/-0.002 χ^2/NDF:7392669.4/46

Out: 15.824+/-0.002 χ^2/NDF:8875463.8/54

All: 15.702+/-0.002 χ^2/NDF: 16274918.7/101



Right In: -0.000+/-0.000 χ^2/NDF: 18.1/23

Left Out: -0.000+/-0.000 χ^2/NDF:15.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 18.4/29

Left In: -0.000+/-0.000 χ^2/NDF:21.3/22

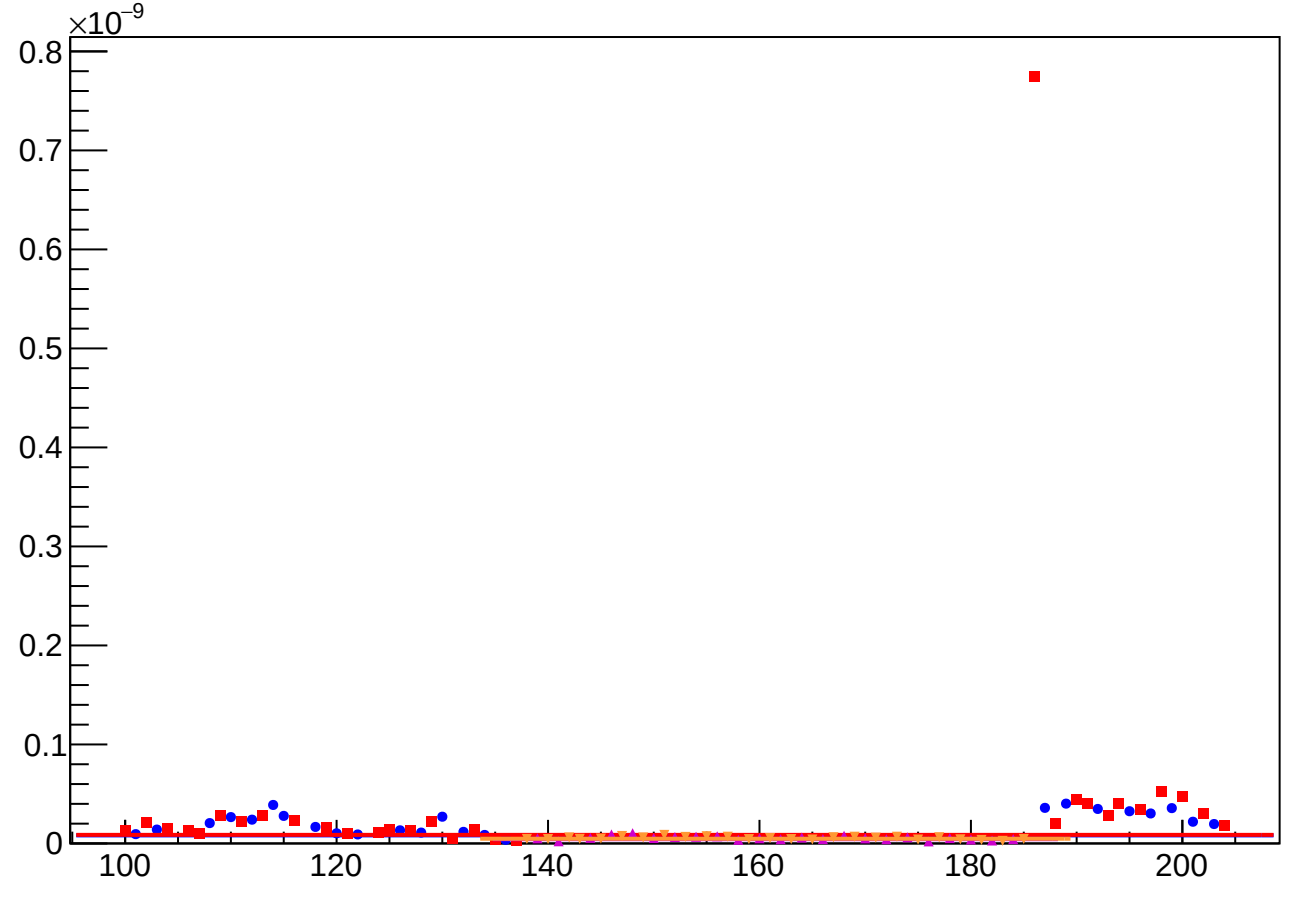
Left: -0.000+/-0.000 χ^2/NDF: 36.9/47

Right: -0.000+/-0.000 χ^2/NDF: 36.6/53

In: -0.000+/-0.000 χ^2/NDF:39.4/46

Out: -0.000+/-0.000 χ^2/NDF:33.6/54

All: -0.000+/-0.000 χ^2/NDF: 73.6/101



Right In: 0.000+/-0.000 χ^2/NDF: 7756369.8/23

Left Out: 0.000+/-0.000 χ^2/NDF:2098495.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10515868.1/29

Left In: 0.000+/-0.000 χ^2/NDF:3526134.8/22

Left: 0.000+/-0.000 χ^2/NDF: 5756687.2/47

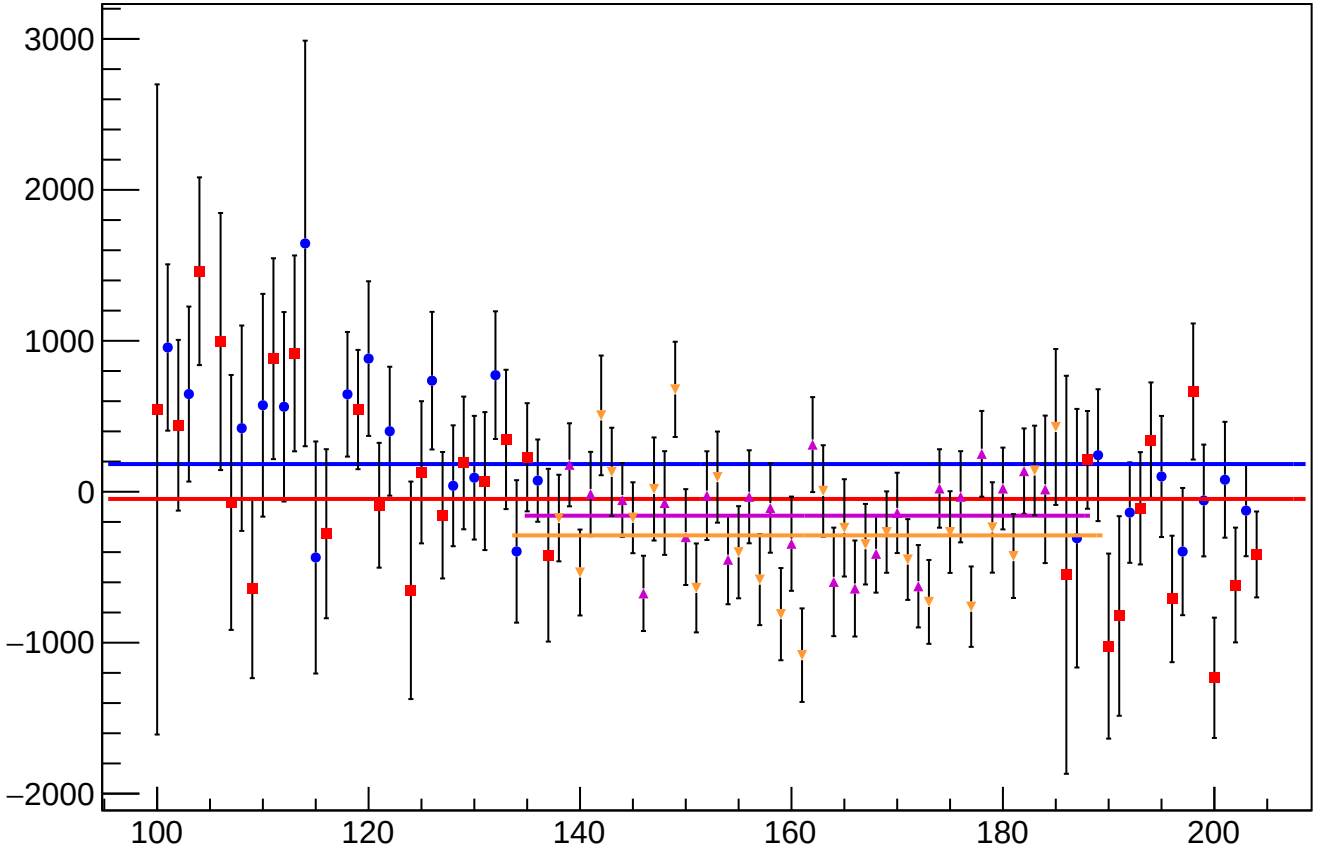
Right: 0.000+/-0.000 χ^2/NDF: 18293271.6/53

In: 0.000+/-0.000 χ^2/NDF:13240857.8/46

Out: 0.000+/-0.000 χ^2/NDF:14517206.1/54

All: 0.000+/-0.000 χ^2/NDF: 27911768.6/101

reg_asym_sam2_mean vs Slug, Sign Corrected



Right In: 183.442+/-90.061 χ^2/NDF: 18.6/23

Left Out: -288.924+/-59.035 χ^2/NDF:42.4/24

Right Out: -47.721+/-86.216 χ^2/NDF: 42.3/29

Left In: -158.601+/-60.708 χ^2/NDF:22.5/22

Left: -225.582+/-42.323 χ^2/NDF: 67.3/47

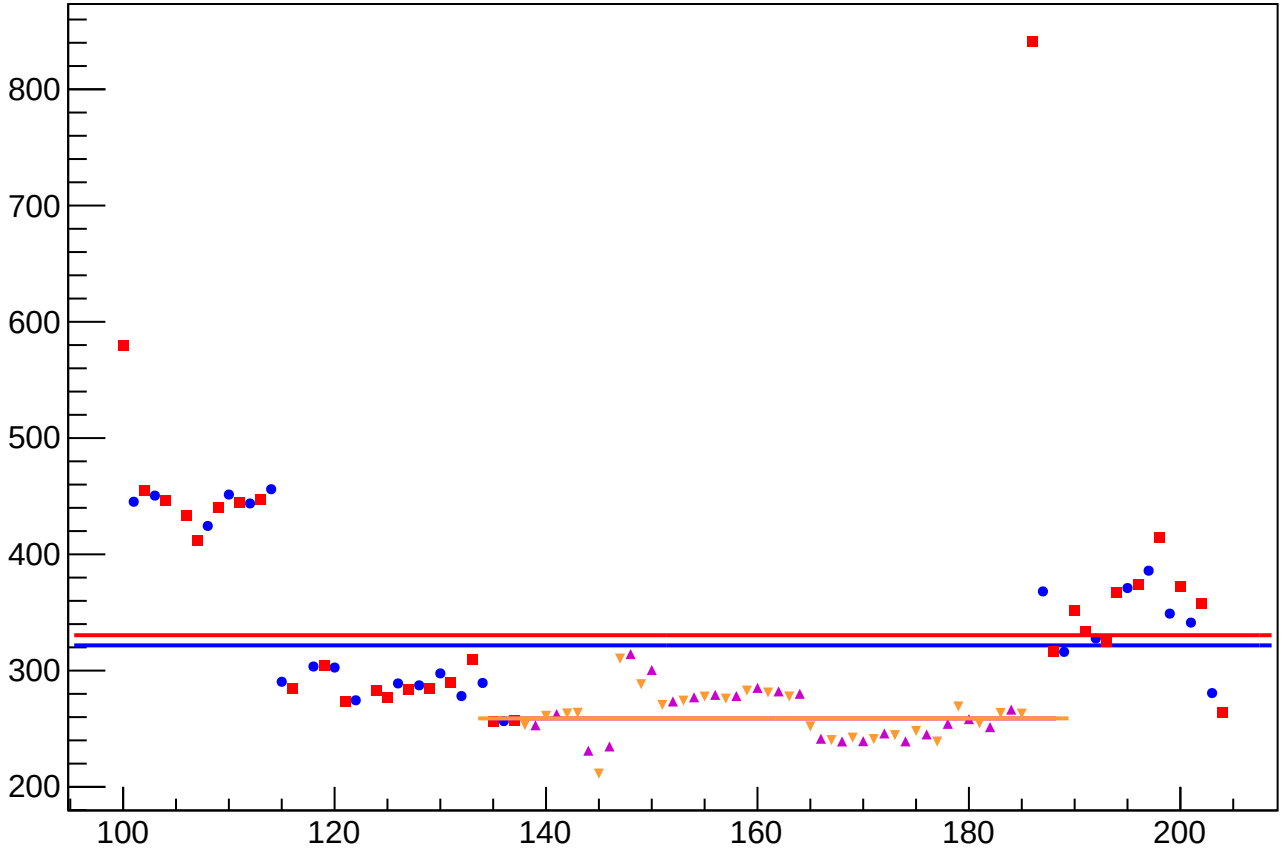
Right: 62.820+/-62.279 χ^2/NDF: 64.3/53

In: -51.741+/-50.339 χ^2/NDF:51.0/46

Out: -211.932+/-48.710 χ^2/NDF:90.0/54

All: -134.470+/-35.005 χ^2/NDF: 146.3/101

reg_asym_sam2_rms vs Slug, Sign Corrected



Right In: 321.698+/-0.064 χ^2/NDF: 750221.1/23

Left Out: 258.912+/-0.042 χ^2/NDF:248740.9/24

Right Out: 330.426+/-0.061 χ^2/NDF: 1270428.3/29

Left In: 258.843+/-0.043 χ^2/NDF:244953.3/22

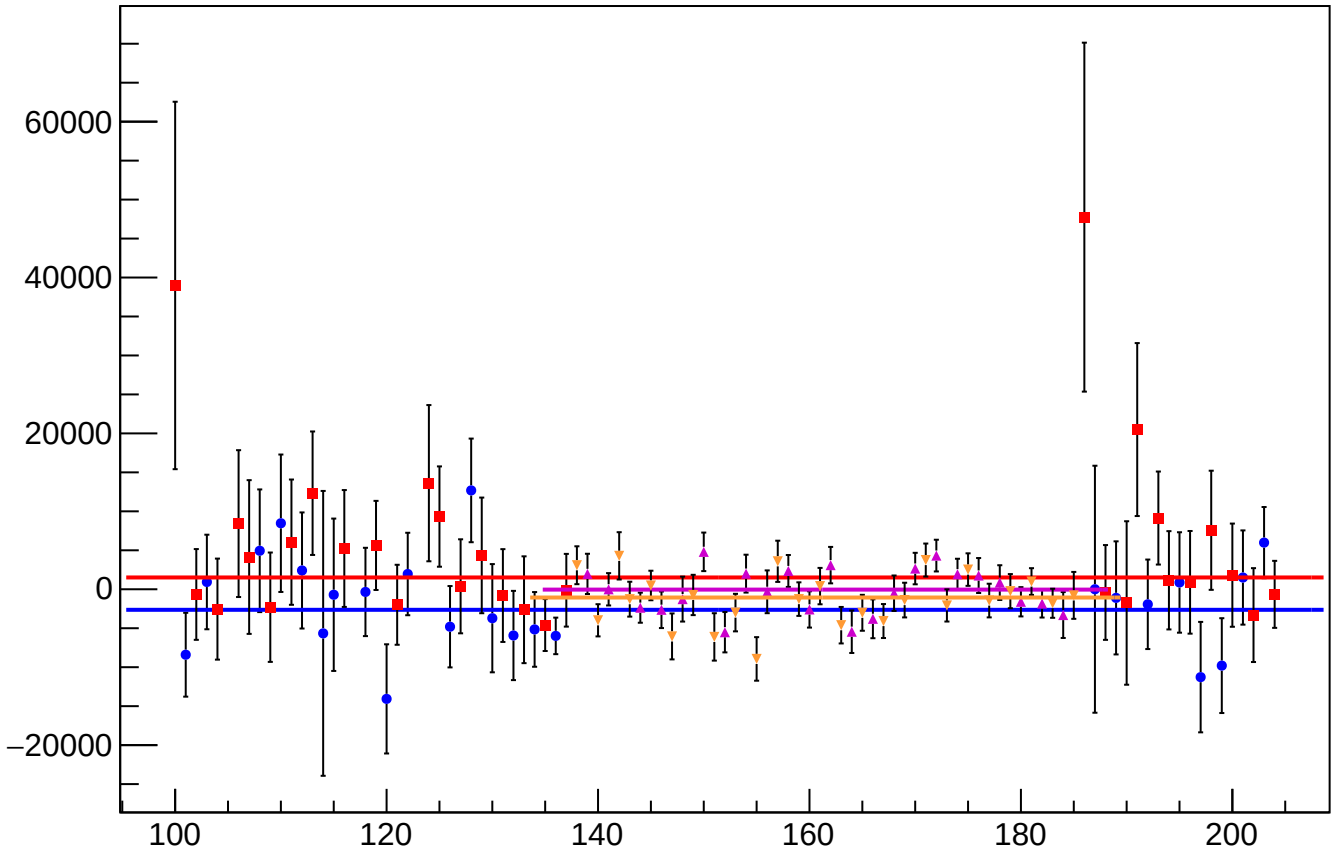
Left: 258.878+/-0.030 χ^2/NDF: 493695.6/47

Right: 326.252+/-0.044 χ^2/NDF: 2030449.3/53

In: 278.480+/-0.036 χ^2/NDF:1665001.9/46

Out: 281.739+/-0.034 χ^2/NDF:2455982.8/54

All: 280.163+/-0.025 χ^2/NDF: 4125314.2/101



Right In: -2636.428+/-1158.371 χ^2/NDF: 23.6/23

Left Out: -1059.229+/-454.653 χ^2/NDF:41.5/24

Right Out: 1514.107+/-1175.122 χ^2/NDF: 25.0/29

Left In: -44.352+/-470.700 χ^2/NDF:34.2/22

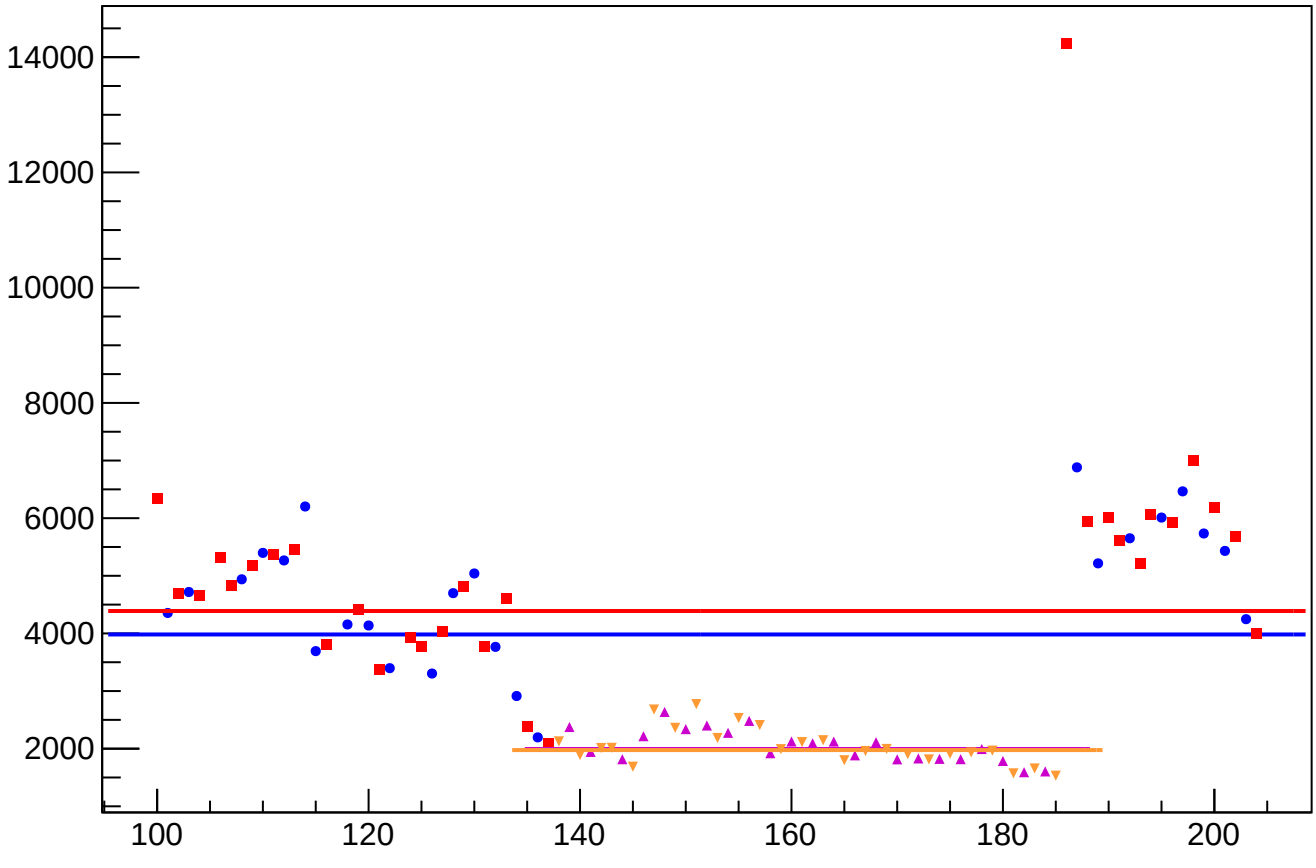
Left: -569.385+/-327.014 χ^2/NDF: 78.1/47

Right: -590.953+/-824.950 χ^2/NDF: 54.9/53

In: -411.694+/-436.073 χ^2/NDF:62.0/46

Out: -724.179+/-424.023 χ^2/NDF:70.7/54

All: -572.314+/-304.000 χ^2/NDF: 133.0/101



Right In: 3981.922+/-0.819 χ^2/NDF: 2630289.2/23

Left Out: 1975.967+/-0.321 χ^2/NDF:763327.6/24

Right Out: 4389.113+/-0.831 χ^2/NDF: 2866972.9/29

Left In: 1994.760+/-0.333 χ^2/NDF:599994.9/22

Left: 1985.038+/-0.231 χ^2/NDF: 1364971.8/47

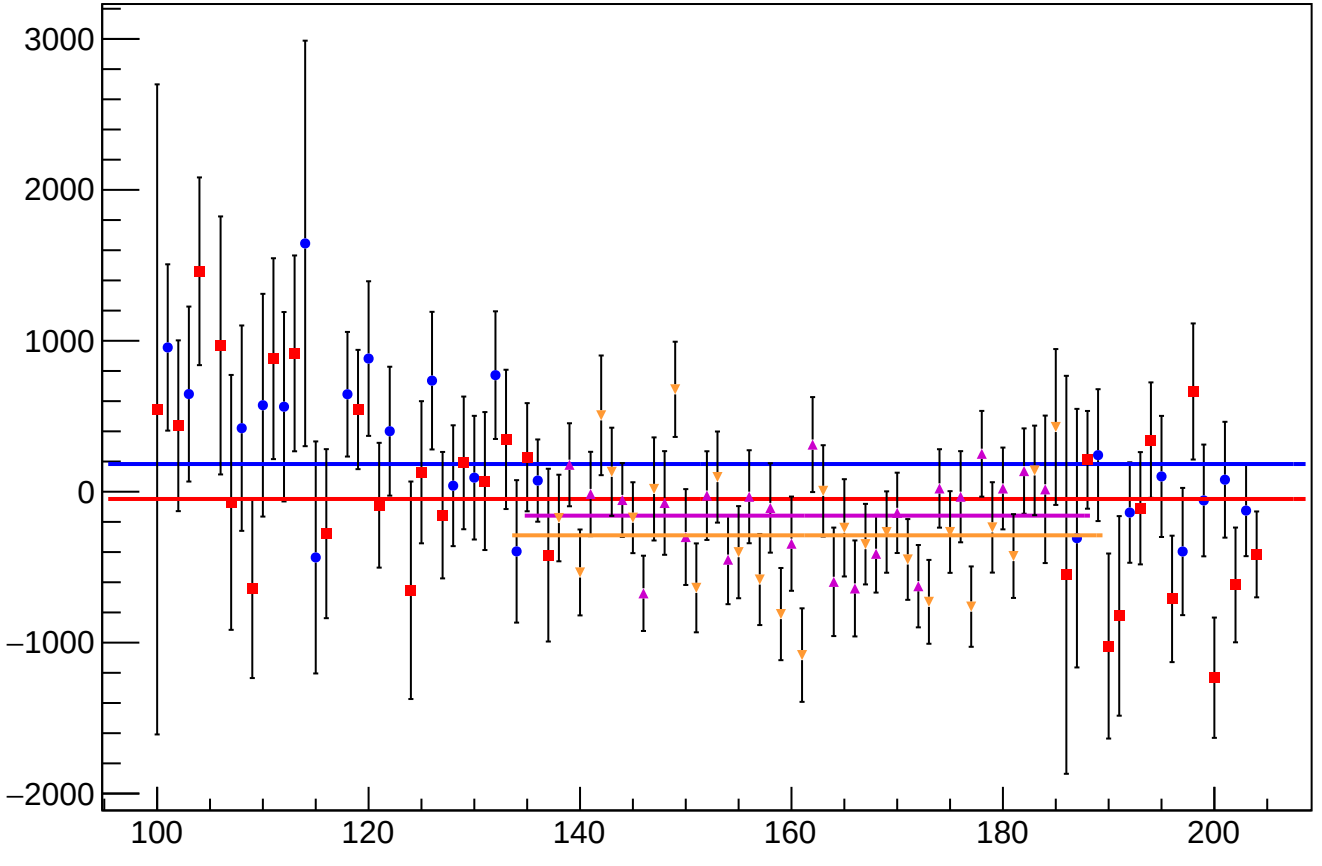
Right: 4182.594+/-0.583 χ^2/NDF: 5619054.8/53

In: 2276.376+/-0.308 χ^2/NDF:8281913.0/46

Out: 2290.160+/-0.300 χ^2/NDF:10966152.6/54

All: 2283.461+/-0.215 χ^2/NDF: 19249092.8/1

cor_asym_sam2_mean vs Slug, Sign Corrected



Right In: 183.421+/-90.061 χ^2/NDF: 18.6/23

Left Out: -288.928+/-59.035 χ^2/NDF:42.4/24

Right Out: -48.164+/-86.220 χ^2/NDF: 42.2/29

Left In: -158.612+/-60.708 χ^2/NDF:22.5/22

Left: -225.590+/-42.323 χ^2/NDF: 67.3/47

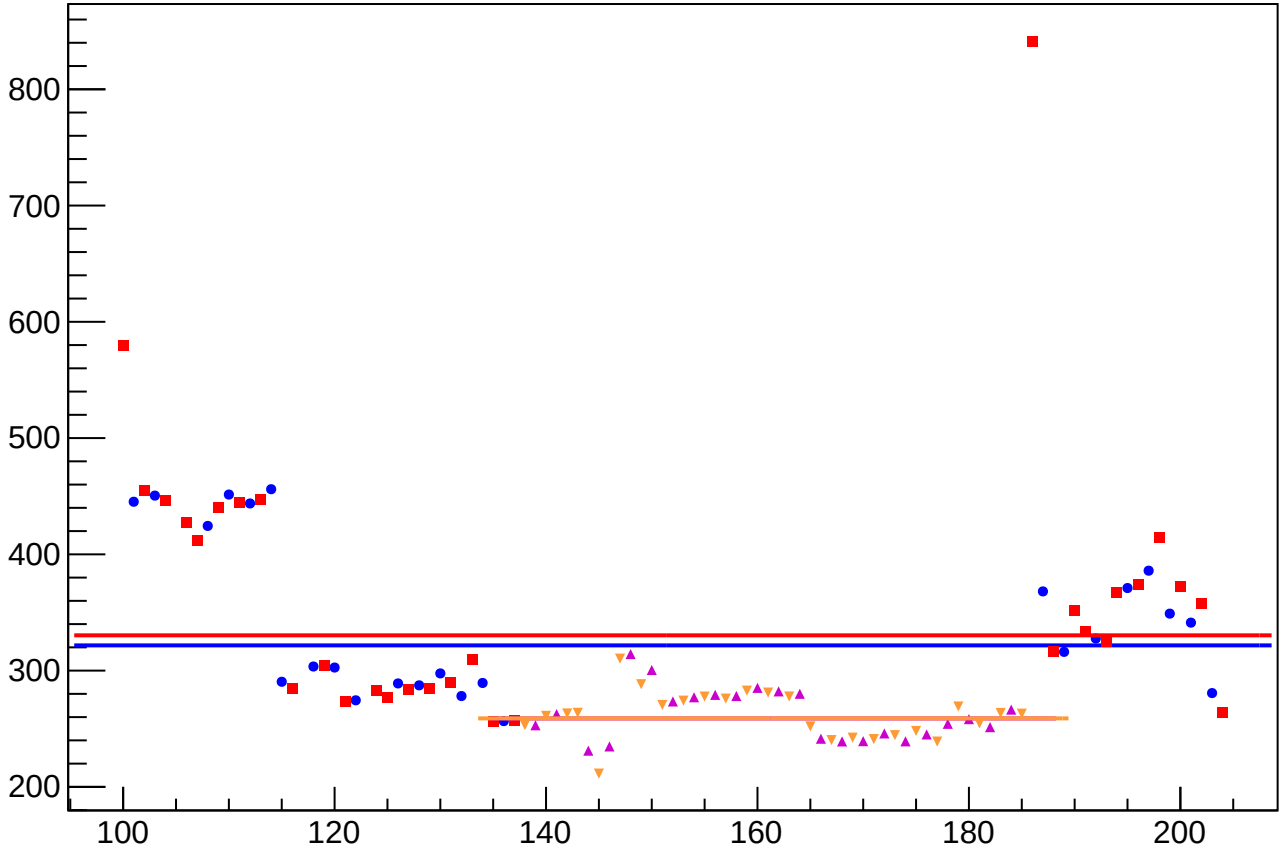
Right: 62.585+/-62.280 χ^2/NDF: 64.2/53

In: -51.755+/-50.339 χ^2/NDF:51.0/46

Out: -212.081+/-48.711 χ^2/NDF:89.9/54

All: -134.553+/-35.005 χ^2/NDF: 146.2/101

cor_asym_sam2_rms vs Slug, Sign Corrected



Right In: 321.698+/-0.064 χ^2/NDF: 750222.5/23

Left Out: 258.912+/-0.042 χ^2/NDF:248740.9/24

Right Out: 330.350+/-0.061 χ^2/NDF: 1266696.9/29

Left In: 258.843+/-0.043 χ^2/NDF:244953.3/22

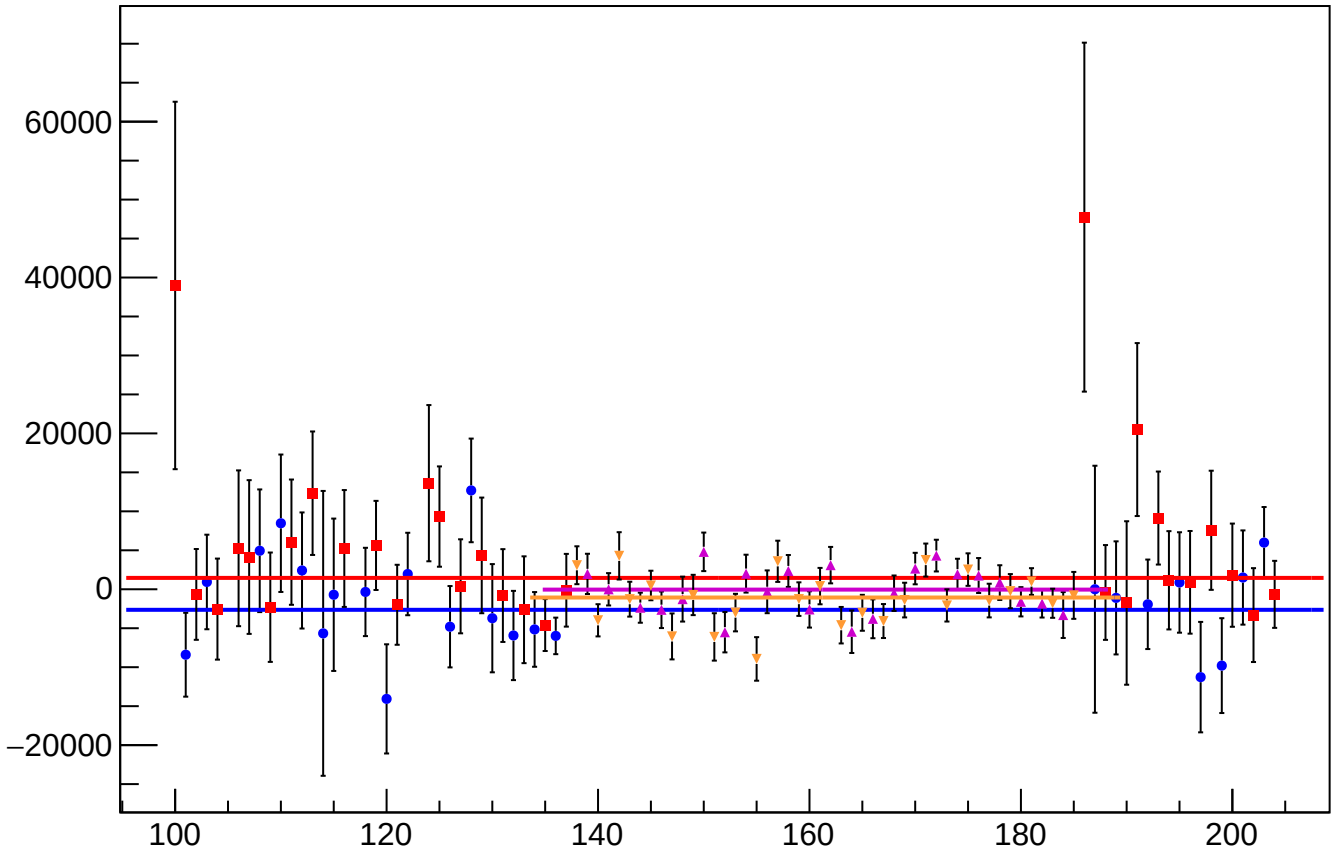
Left: 258.878+/-0.030 χ^2/NDF: 493695.6/47

Right: 326.213+/-0.044 χ^2/NDF: 2026550.8/53

In: 278.480+/-0.036 χ^2/NDF:1665003.4/46

Out: 281.714+/-0.034 χ^2/NDF:2450221.4/54

All: 280.150+/-0.025 χ^2/NDF: 4119486.8/101



Right In: -2636.382+/-1158.373 χ^2/NDF: 23.6/23

Left Out: -1059.232+/-454.653 χ^2/NDF:41.5/24

Right Out: 1458.621+/-1176.167 χ^2/NDF: 24.6/29

Left In: -44.348+/-470.700 χ^2/NDF:34.2/22

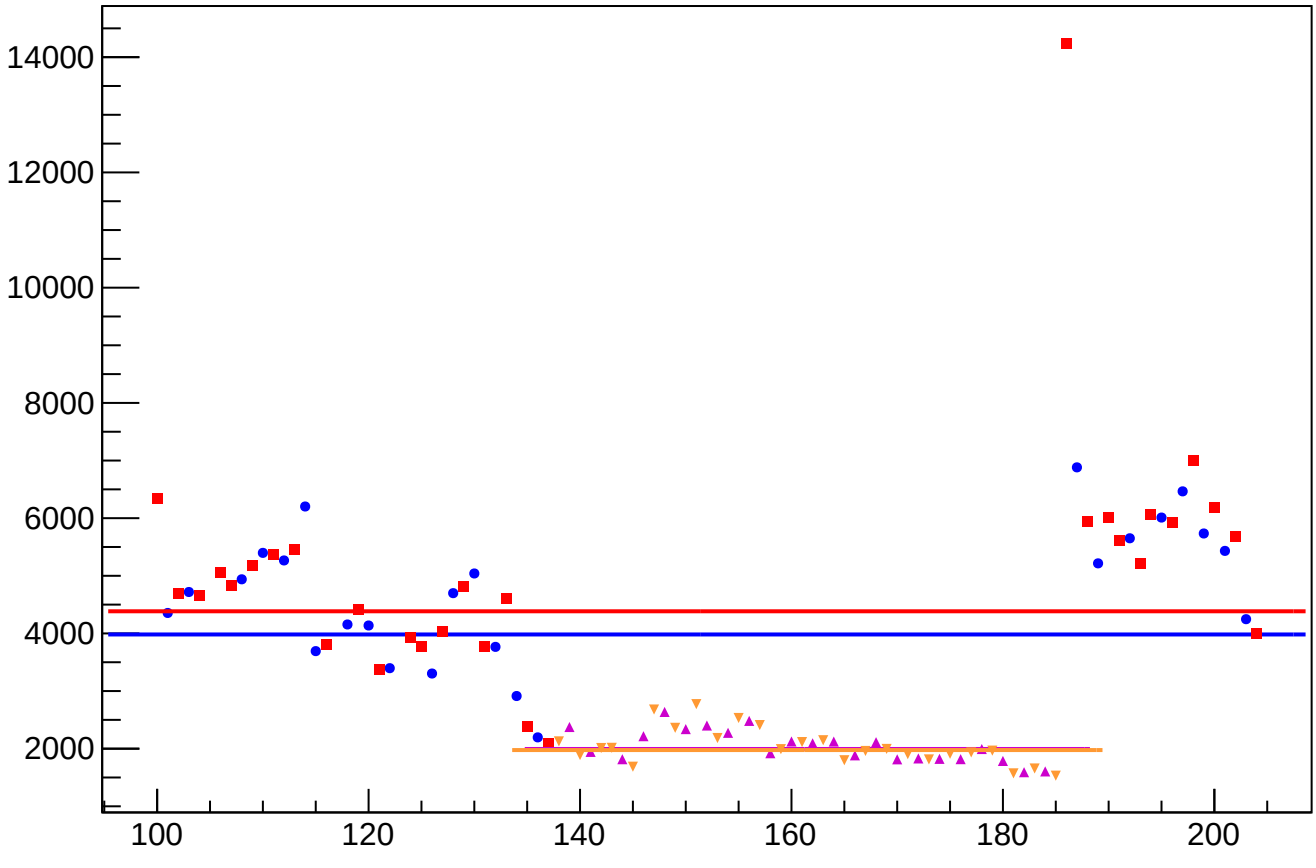
Left: -569.385+/-327.014 χ^2/NDF: 78.1/47

Right: -620.092+/-825.313 χ^2/NDF: 54.4/53

In: -411.684+/-436.074 χ^2/NDF:62.0/46

Out: -731.913+/-424.072 χ^2/NDF:70.1/54

All: -576.266+/-304.019 χ^2/NDF: 132.4/101



Right In: 3981.926+/-0.819 χ^2/NDF: 2630299.4/23

Left Out: 1975.967+/-0.321 χ^2/NDF:763328.1/24

Right Out: 4384.197+/-0.832 χ^2/NDF: 2857023.4/29

Left In: 1994.760+/-0.333 χ^2/NDF:599996.2/22

Left: 1985.038+/-0.231 χ^2/NDF: 1364973.6/47

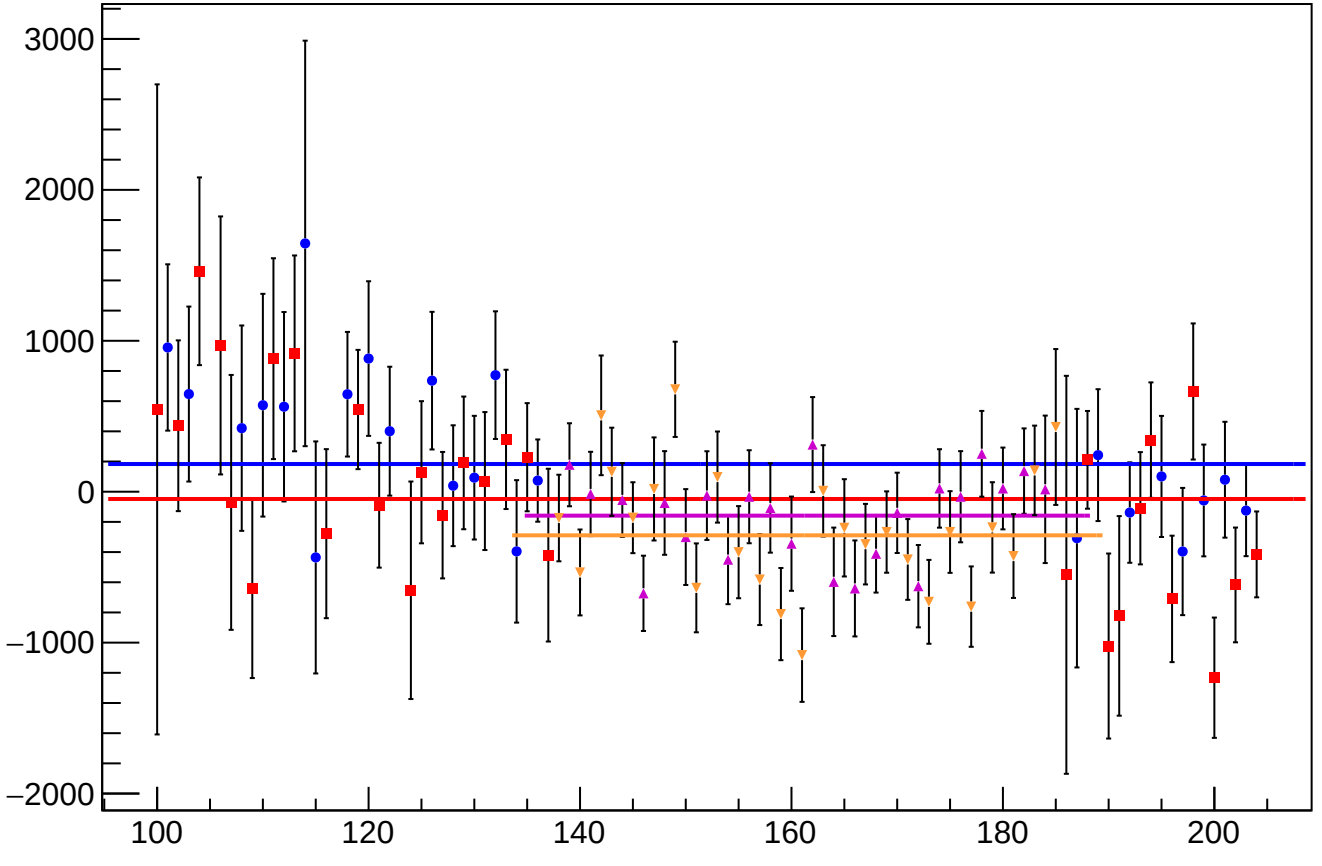
Right: 4179.996+/-0.584 χ^2/NDF: 5606082.3/53

In: 2276.376+/-0.308 χ^2/NDF:8281933.0/46

Out: 2289.035+/-0.300 χ^2/NDF:10915046.0/54

All: 2282.882+/-0.215 χ^2/NDF: 19197845.3/1

eigen_cor_asym_sam2_mean vs Slug, Sign Corrected



Right In: 183.421+/-90.061 χ^2/NDF: 18.6/23

Left Out: -288.928+/-59.035 χ^2/NDF:42.4/24

Right Out: -48.164+/-86.220 χ^2/NDF: 42.2/29

Left In: -158.612+/-60.708 χ^2/NDF:22.5/22

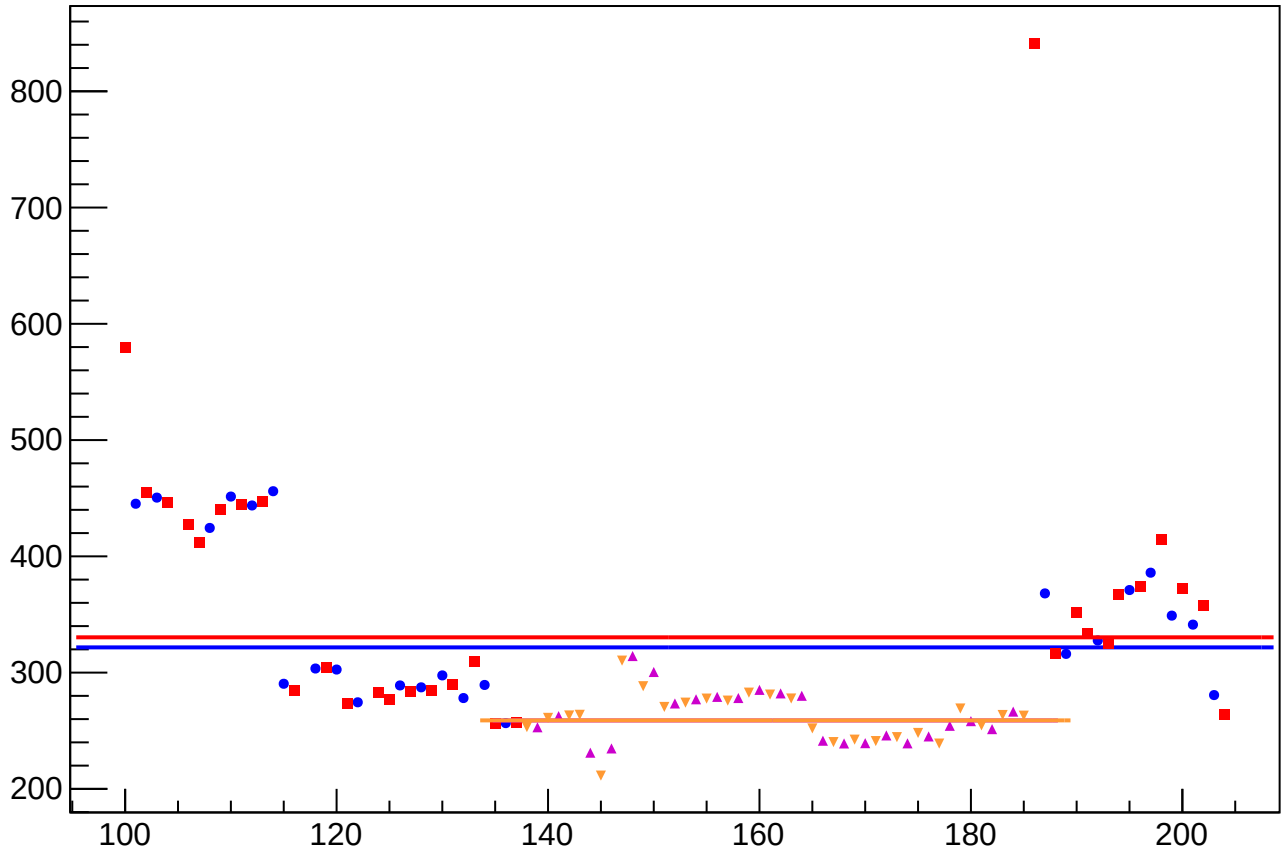
Left: -225.590+/-42.323 χ^2/NDF: 67.3/47

Right: 62.585+/-62.280 χ^2/NDF: 64.2/53

In: -51.755+/-50.339 χ^2/NDF:51.0/46

Out: -212.081+/-48.711 χ^2/NDF:89.9/54

All: -134.553+/-35.005 χ^2/NDF: 146.2/101



Right In: 321.698+/-0.064 χ^2/NDF: 750222.5/23

Left Out: 258.912+/-0.042 χ^2/NDF:248740.9/24

Right Out: 330.350+/-0.061 χ^2/NDF: 1266696.9/29

Left In: 258.843+/-0.043 χ^2/NDF:244953.3/22

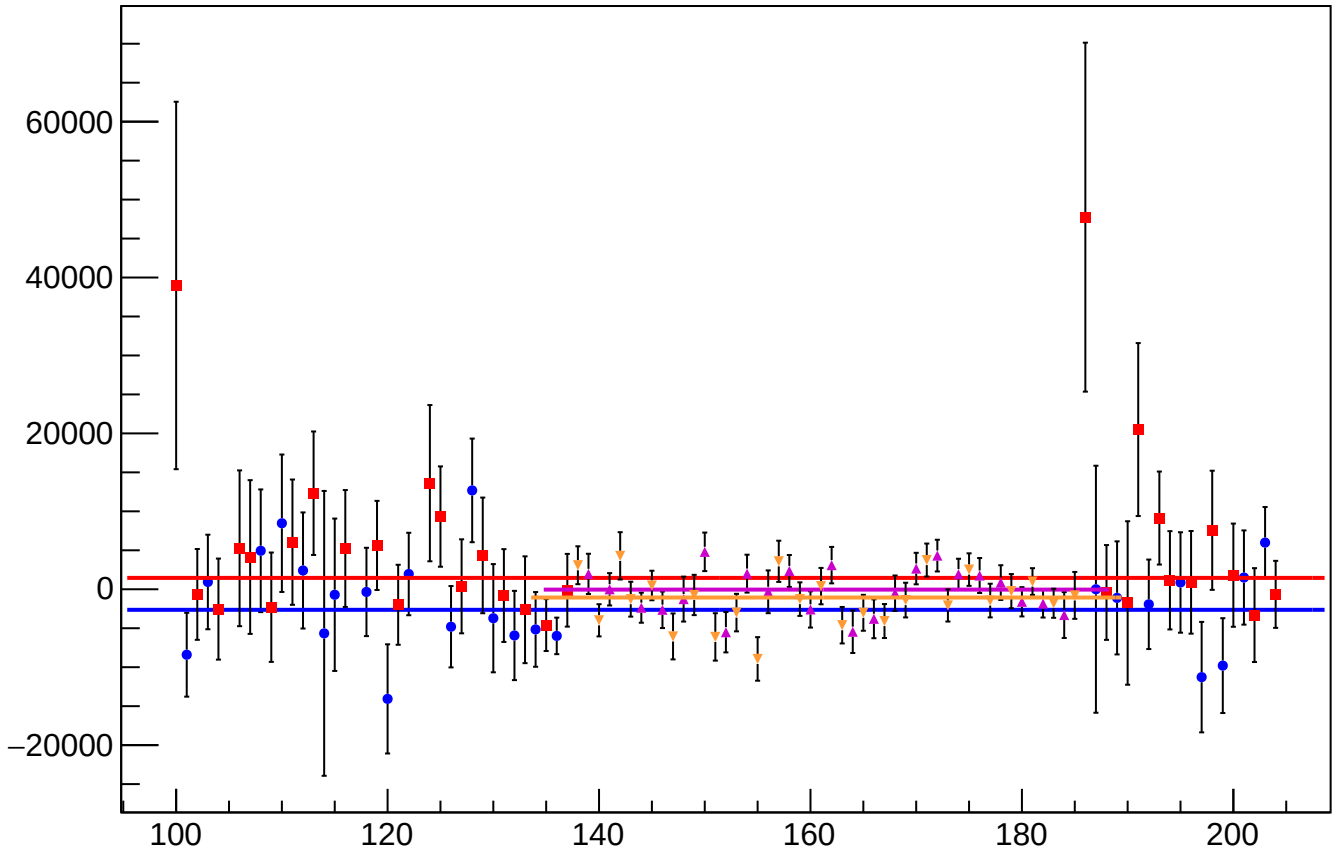
Left: 258.878+/-0.030 χ^2/NDF: 493695.6/47

Right: 326.213+/-0.044 χ^2/NDF: 2026550.8/53

In: 278.480+/-0.036 χ^2/NDF:1665003.4/46

Out: 281.714+/-0.034 χ^2/NDF:2450221.4/54

All: 280.150+/-0.025 χ^2/NDF: 4119486.8/101



Right In: -2636.382+/-1158.373 χ^2/NDF: 23.6/23

Left Out: -1059.232+/-454.653 χ^2/NDF:41.5/24

Right Out: 1458.621+/-1176.167 χ^2/NDF: 24.6/29

Left In: -44.348+/-470.700 χ^2/NDF:34.2/22

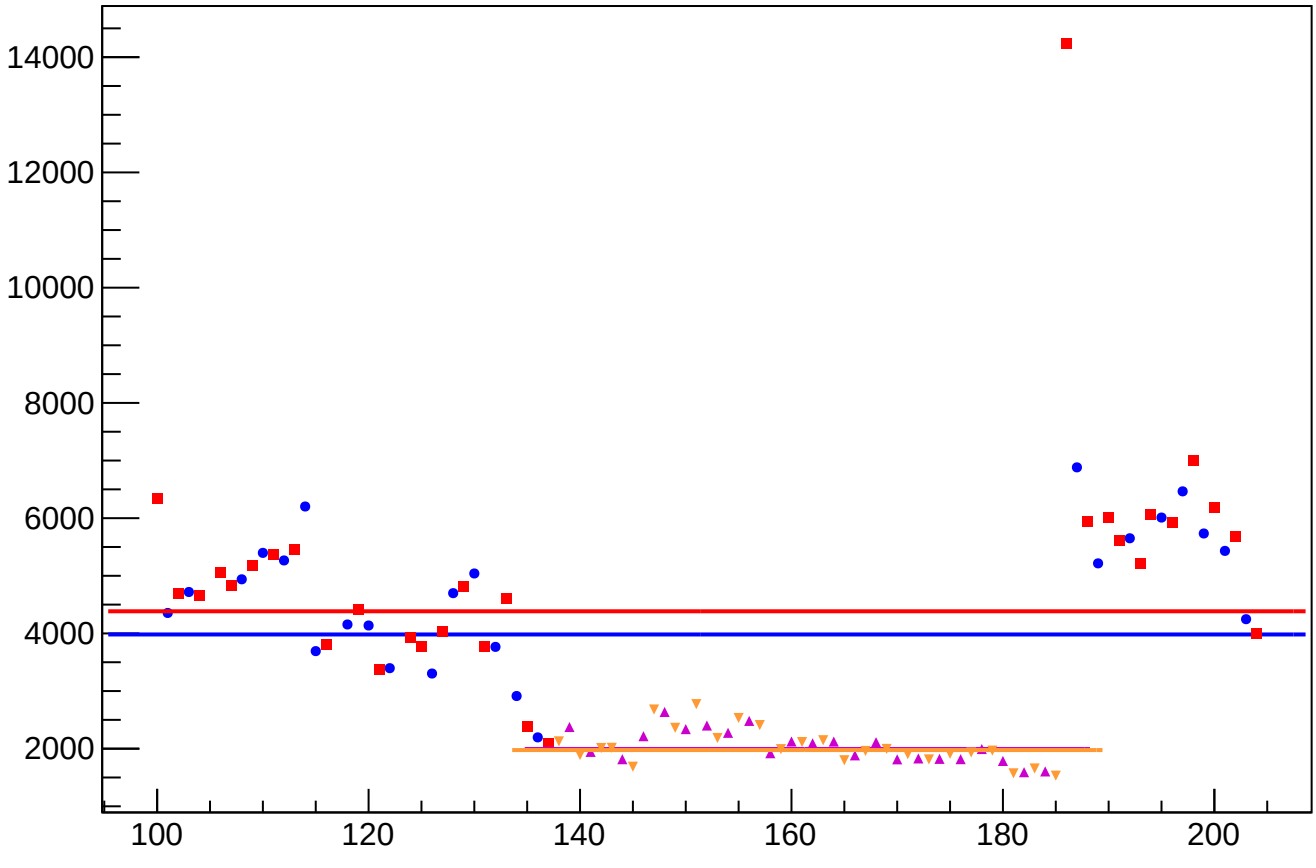
Left: -569.385+/-327.014 χ^2/NDF: 78.1/47

Right: -620.092+/-825.313 χ^2/NDF: 54.4/53

In: -411.684+/-436.074 χ^2/NDF:62.0/46

Out: -731.913+/-424.072 χ^2/NDF:70.1/54

All: -576.266+/-304.019 χ^2/NDF: 132.4/101



Right In: 3981.926+/-0.819 χ^2/NDF: 2630299.4/23

Left Out: 1975.967+/-0.321 χ^2/NDF:763328.1/24

Right Out: 4384.197+/-0.832 χ^2/NDF: 2857023.4/29

Left In: 1994.760+/-0.333 χ^2/NDF:599996.2/22

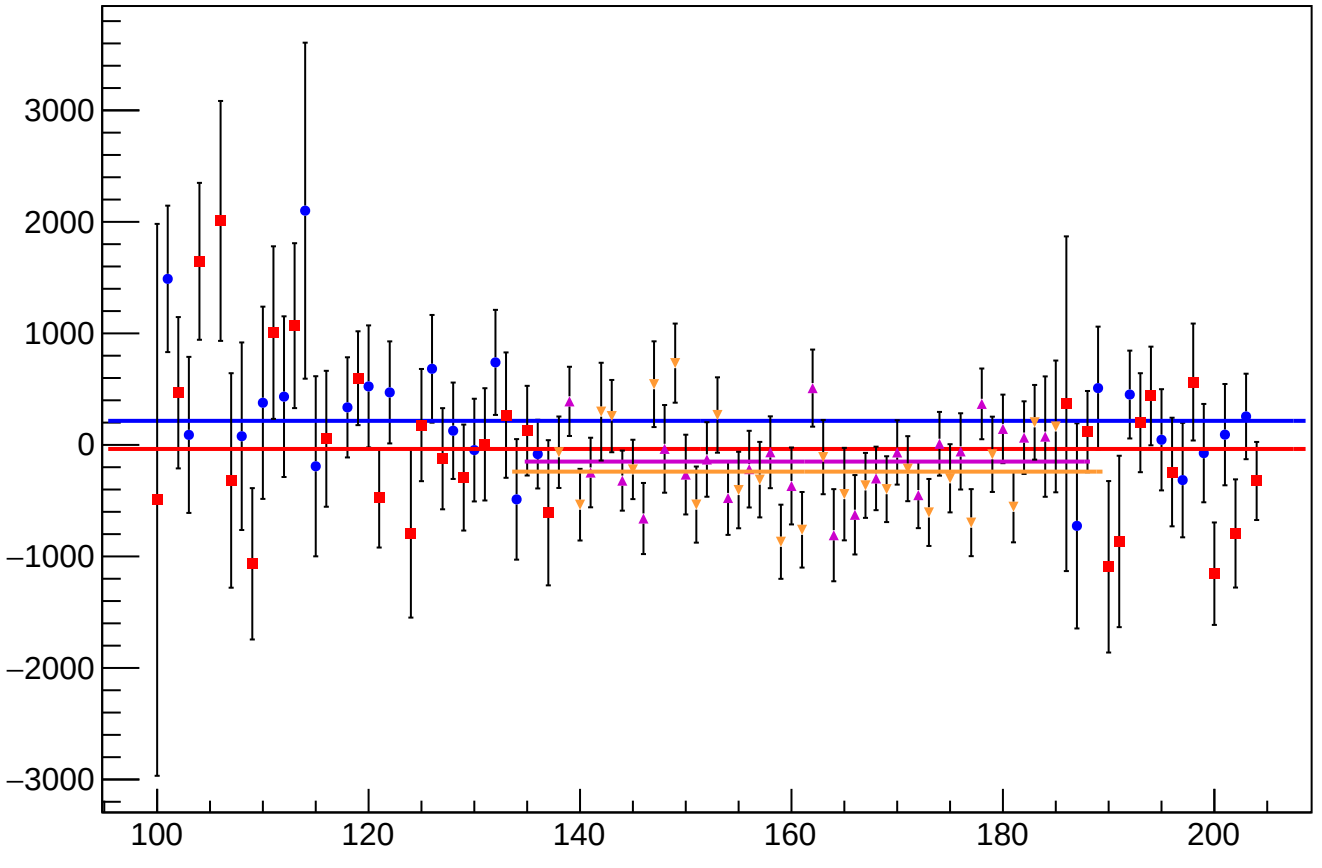
Left: 1985.038+/-0.231 χ^2/NDF: 1364973.6/47

Right: 4179.996+/-0.584 χ^2/NDF: 5606082.3/53

In: 2276.376+/-0.308 χ^2/NDF:8281933.0/46

Out: 2289.035+/-0.300 χ^2/NDF:10915046.0/54

All: 2282.882+/-0.215 χ^2/NDF: 19197845.3/1



Right In: 215.821+/-103.528 χ^2/NDF: 15.1/23

Left Out: -239.549+/-66.167 χ^2/NDF:34.0/24

Right Out: -36.288+/-98.729 χ^2/NDF: 37.7/29

Left In: -149.516+/-68.160 χ^2/NDF:21.7/22

Left: -195.868+/-47.476 χ^2/NDF: 56.6/47

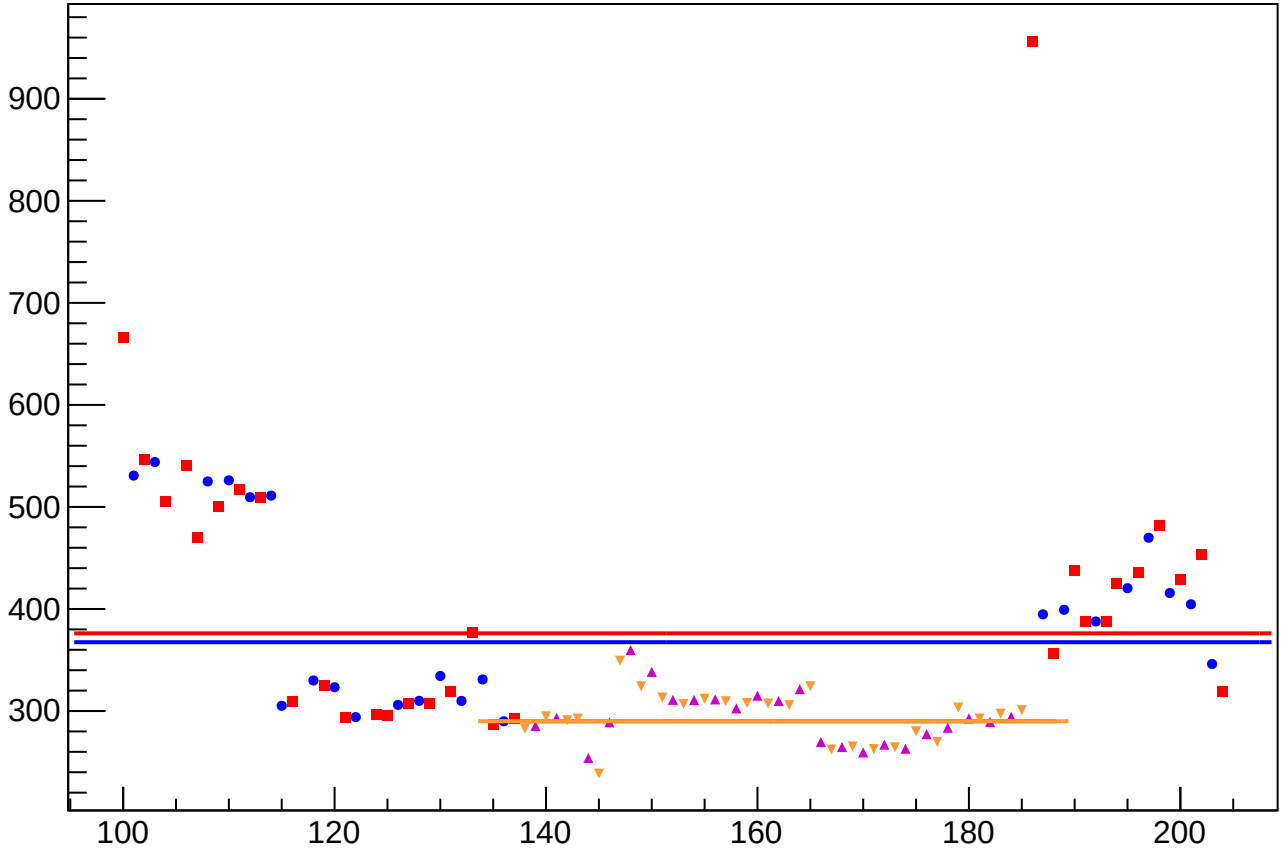
Right: 83.789+/-71.448 χ^2/NDF: 55.8/53

In: -39.044+/-56.929 χ^2/NDF:45.4/46

Out: -176.550+/-54.965 χ^2/NDF:74.6/54

All: -110.210+/-39.542 χ^2/NDF: 123.1/101

dit_asym_sam2_rms vs Slug, Sign Corrected



Right In: 367.460+/-0.073 χ^2/NDF: 982900.9/23

Left Out: 290.023+/-0.047 χ^2/NDF:280647.1/24

Right Out: 376.132+/-0.070 χ^2/NDF: 1510889.9/29

Left In: 289.941+/-0.048 χ^2/NDF:269669.5/22

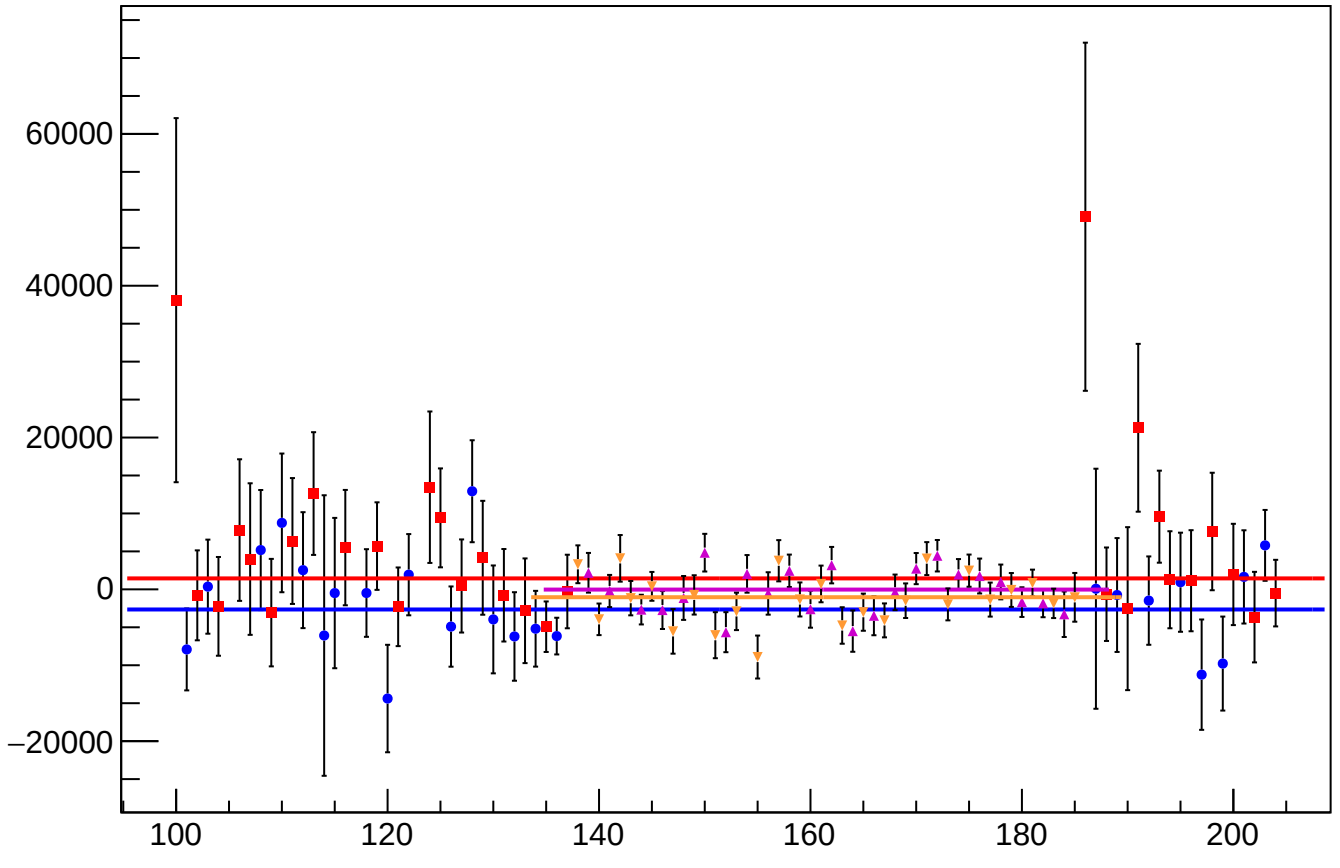
Left: 289.983+/-0.034 χ^2/NDF: 550318.1/47

Right: 372.002+/-0.051 χ^2/NDF: 2501139.9/53

In: 313.382+/-0.040 χ^2/NDF:2034836.7/46

Out: 316.712+/-0.039 χ^2/NDF:2841389.0/54

All: 315.105+/-0.028 χ^2/NDF: 4879767.4/101



Right In: -2652.545+/-1183.356 χ^2/NDF: 23.1/23

Left Out: -1036.592+/-465.324 χ^2/NDF:40.3/24

Right Out: 1441.928+/-1189.055 χ^2/NDF: 25.9/29

Left In: -30.393+/-482.280 χ^2/NDF:34.1/22

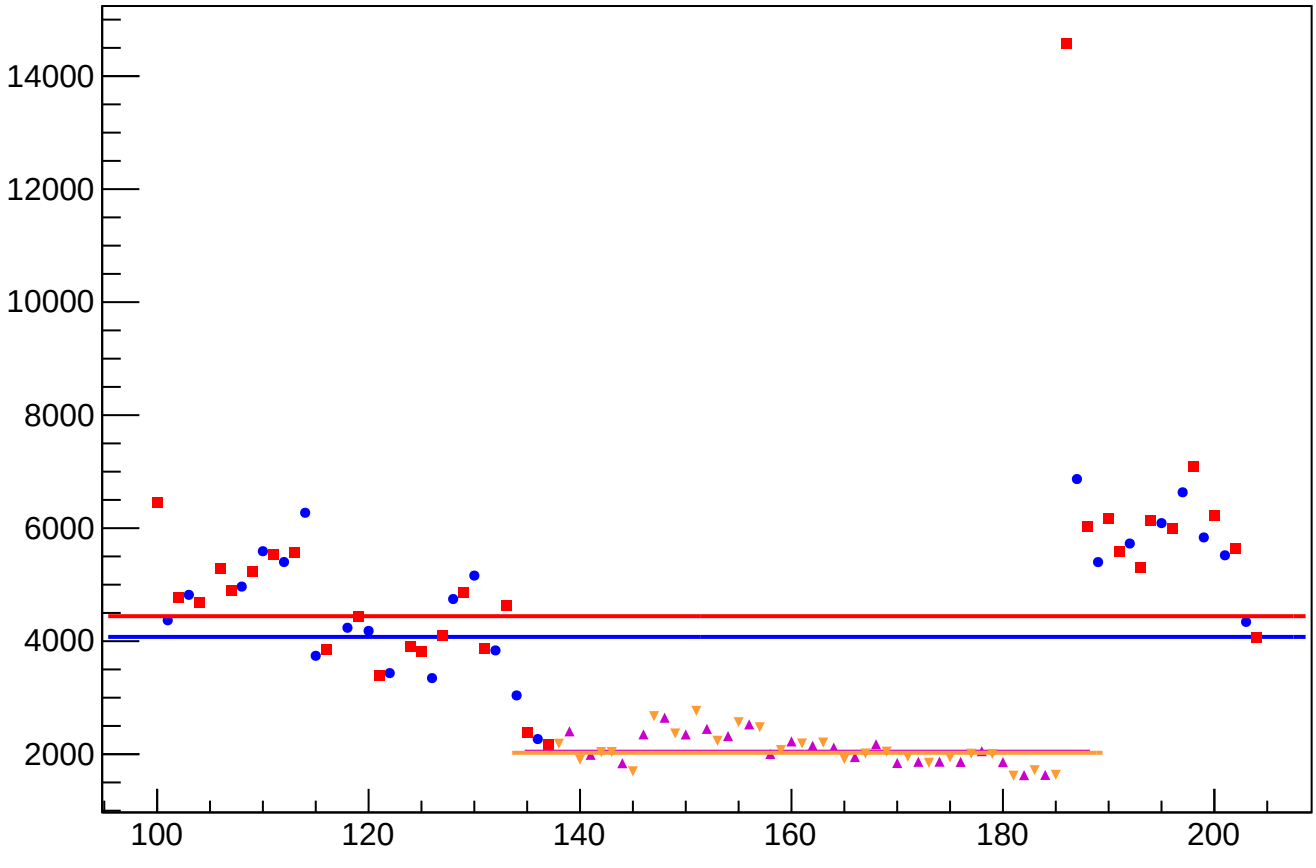
Left: -551.492+/-334.868 χ^2/NDF: 76.7/47

Right: -615.144+/-838.767 χ^2/NDF: 55.0/53

In: -403.893+/-446.613 χ^2/NDF:61.5/46

Out: -707.426+/-433.324 χ^2/NDF:70.0/54

All: -560.243+/-310.998 χ^2/NDF: 131.7/101



Right In: 4075.769+/-0.837 χ^2/NDF: 2551868.6/23

Left Out: 2025.085+/-0.329 χ^2/NDF:700821.6/24

Right Out: 4442.287+/-0.841 χ^2/NDF: 2854674.2/29

Left In: 2044.523+/-0.341 χ^2/NDF:584918.7/22

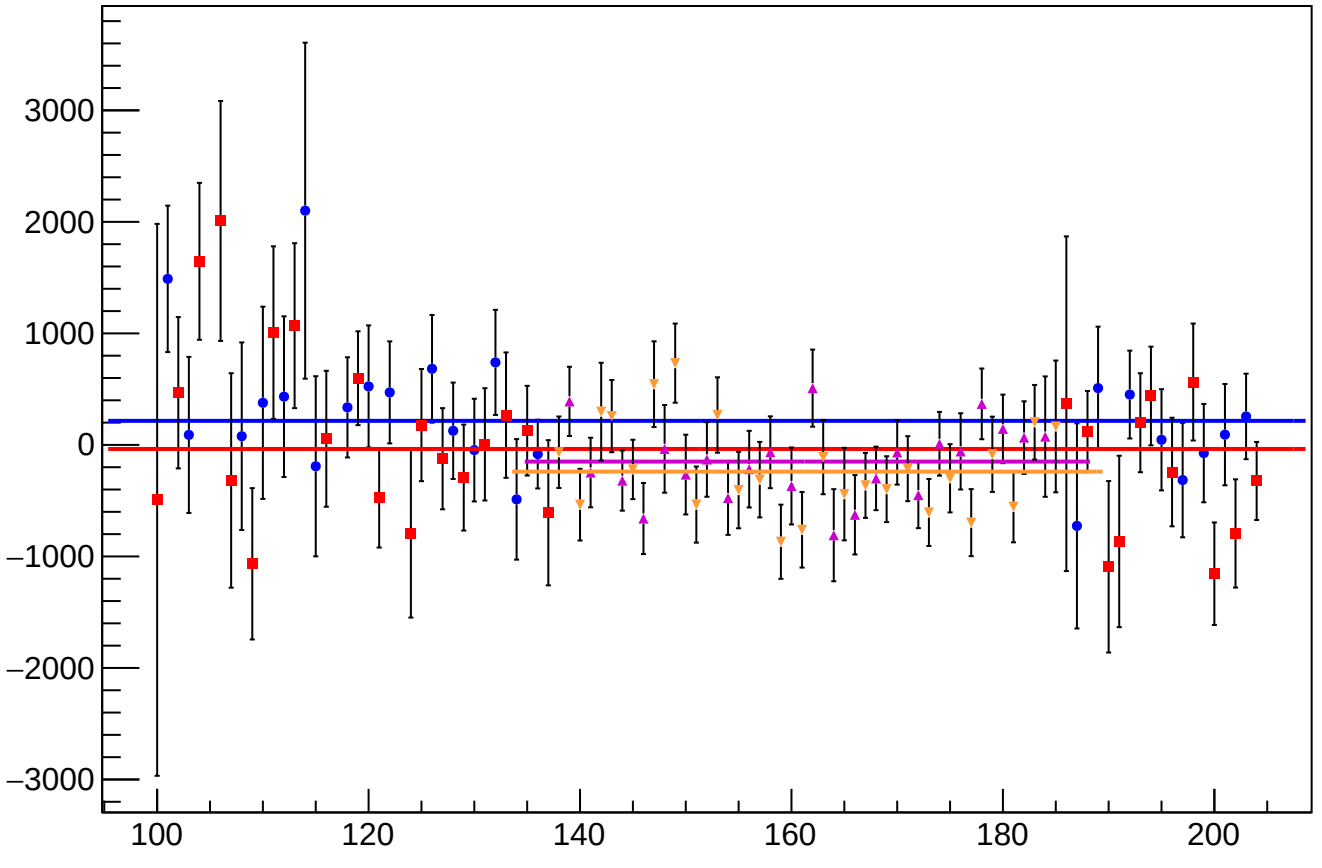
Left: 2034.456+/-0.237 χ^2/NDF: 1287422.7/47

Right: 4258.148+/-0.593 χ^2/NDF: 5502013.3/53

In: 2333.854+/-0.316 χ^2/NDF:8190246.3/46

Out: 2346.107+/-0.306 χ^2/NDF:10722998.5/54

All: 2340.166+/-0.220 χ^2/NDF: 18914020.3/1



Right In: 215.826+/-103.527 χ^2/NDF: 15.1/23

Left Out: -239.552+/-66.167 χ^2/NDF:34.0/24

Right Out: -36.286+/-98.729 χ^2/NDF: 37.7/29

Left In: -149.517+/-68.160 χ^2/NDF:21.7/22

Left: -195.870+/-47.476 χ^2/NDF: 56.6/47

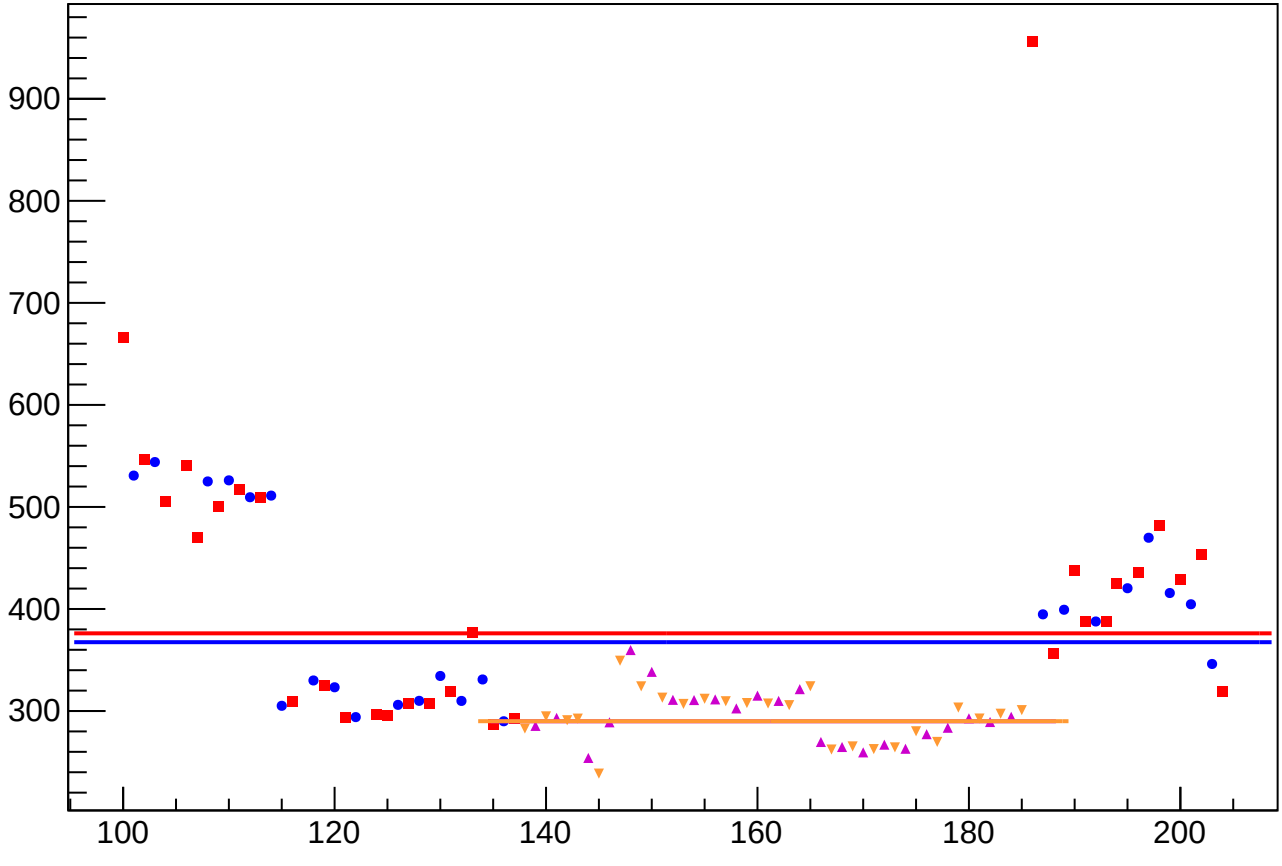
Right: 83.792+/-71.448 χ^2/NDF: 55.8/53

In: -39.043+/-56.929 χ^2/NDF:45.4/46

Out: -176.552+/-54.965 χ^2/NDF:74.6/54

All: -110.211+/-39.542 χ^2/NDF: 123.1/101

eigen_dit_asym_sam2_rms vs Slug, Sign Corrected



Right In: 367.459+/-0.073 χ^2/NDF: 982901.4/23

Left Out: 290.023+/-0.047 χ^2/NDF:280652.8/24

Right Out: 376.132+/-0.070 χ^2/NDF: 1510883.0/29

Left In: 289.941+/-0.048 χ^2/NDF:269671.9/22

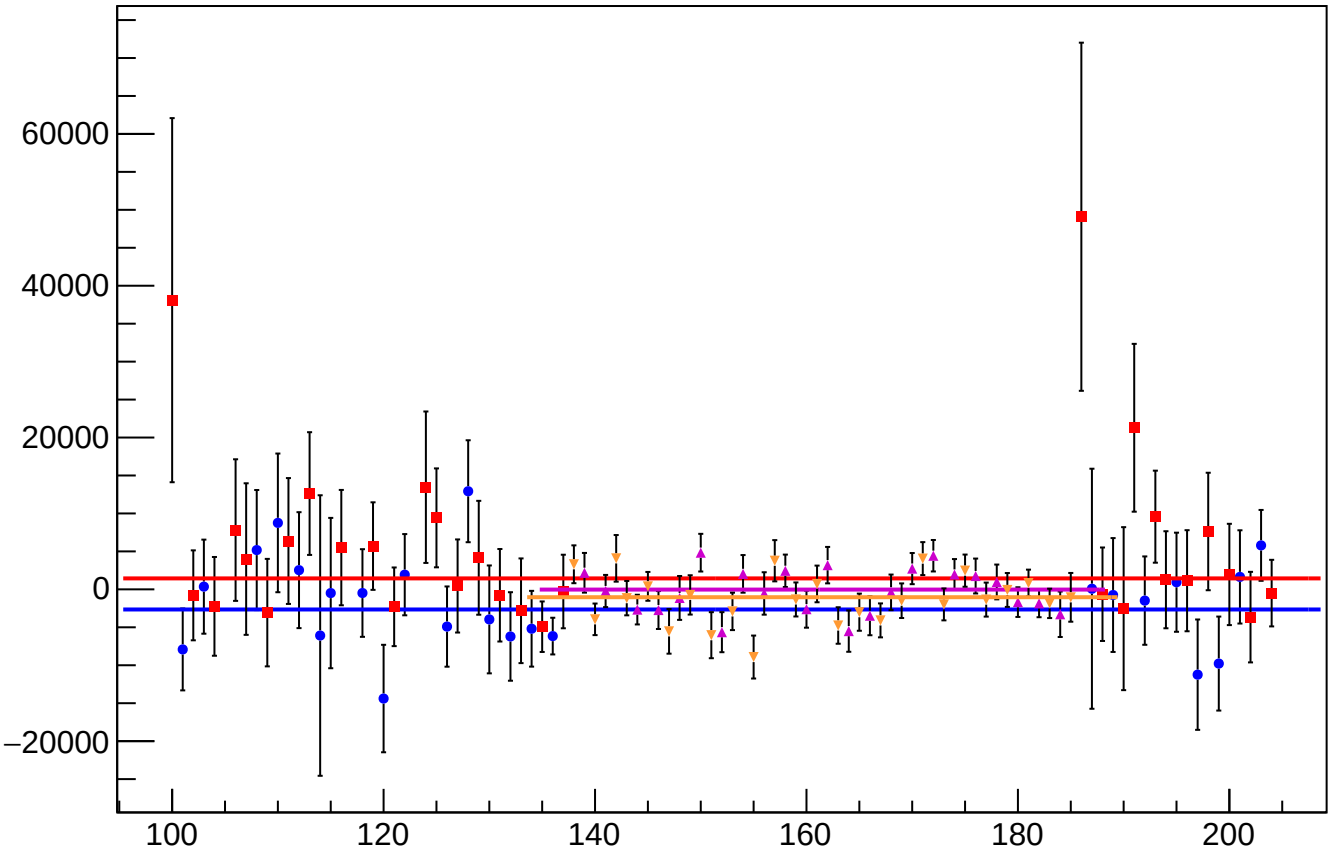
Left: 289.983+/-0.034 χ^2/NDF: 550326.2/47

Right: 372.001+/-0.051 χ^2/NDF: 2501134.7/53

In: 313.381+/-0.040 χ^2/NDF:2034818.2/46

Out: 316.712+/-0.039 χ^2/NDF:2841374.5/54

All: 315.105+/-0.028 χ^2/NDF: 4879734.9/101



Right In: -2652.541+/-1183.355 χ^2/NDF: 23.1/23

Left Out: -1036.591+/-465.324 χ^2/NDF:40.3/24

Right Out: 1441.932+/-1189.054 χ^2/NDF: 25.9/29

Left In: -30.392+/-482.280 χ^2/NDF:34.1/22

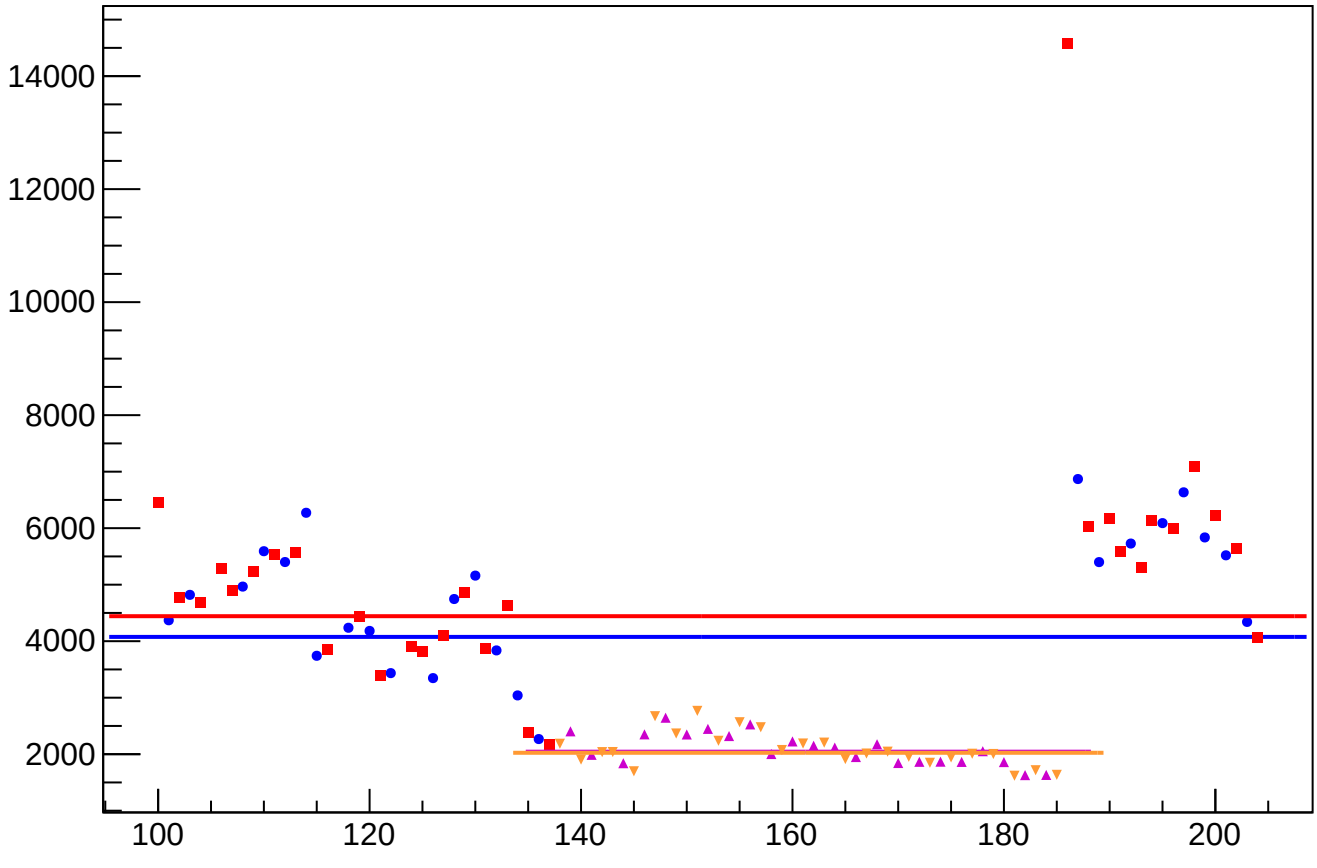
Left: -551.491+/-334.868 χ^2/NDF: 76.7/47

Right: -615.140+/-838.766 χ^2/NDF: 55.0/53

In: -403.892+/-446.613 χ^2/NDF:61.5/46

Out: -707.425+/-433.324 χ^2/NDF:70.0/54

All: -560.241+/-310.998 χ^2/NDF: 131.7/101



Right In: 4075.766+/-0.837 χ^2/NDF: 2551859.4/23

Left Out: 2025.085+/-0.329 χ^2/NDF:700825.4/24

Right Out: 4442.284+/-0.841 χ^2/NDF: 2854670.0/29

Left In: 2044.522+/-0.341 χ^2/NDF:584922.7/22

Left: 2034.456+/-0.237 χ^2/NDF: 1287430.5/47

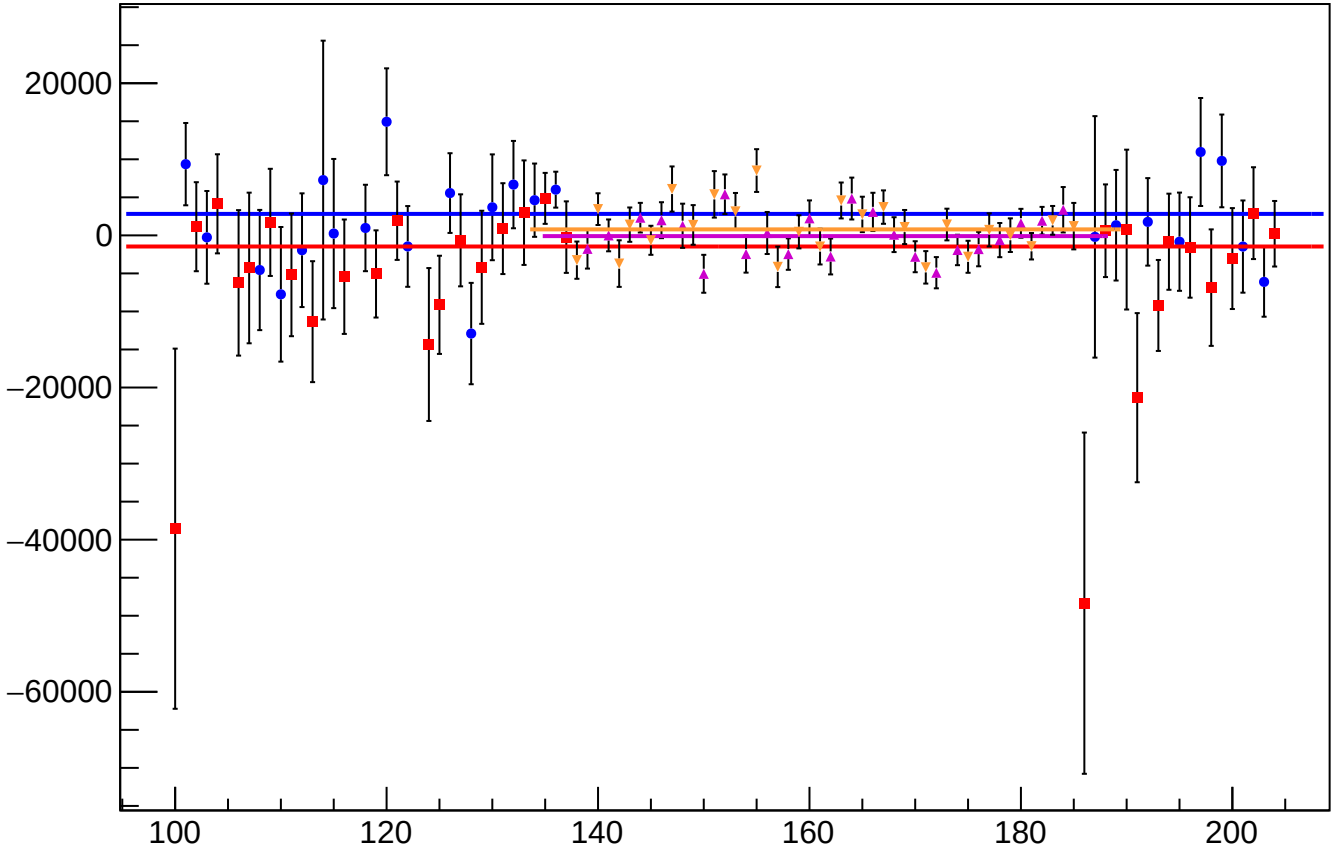
Right: 4258.144+/-0.593 χ^2/NDF: 5501999.9/53

In: 2333.854+/-0.316 χ^2/NDF:8190235.2/46

Out: 2346.108+/-0.306 χ^2/NDF:10722987.0/54

All: 2340.166+/-0.220 χ^2/NDF: 18913997.7/1

asym_sam2_mean vs Slug, Sign Corrected



Right In: 2823.151+/-1163.097 χ^2/NDF: 23.9/23

Left Out: 788.321+/-458.726 χ^2/NDF:41.3/24

Right Out: -1462.128+/-1179.306 χ^2/NDF: 24.9/29

Left In: -96.730+/-474.825 χ^2/NDF:32.8/22

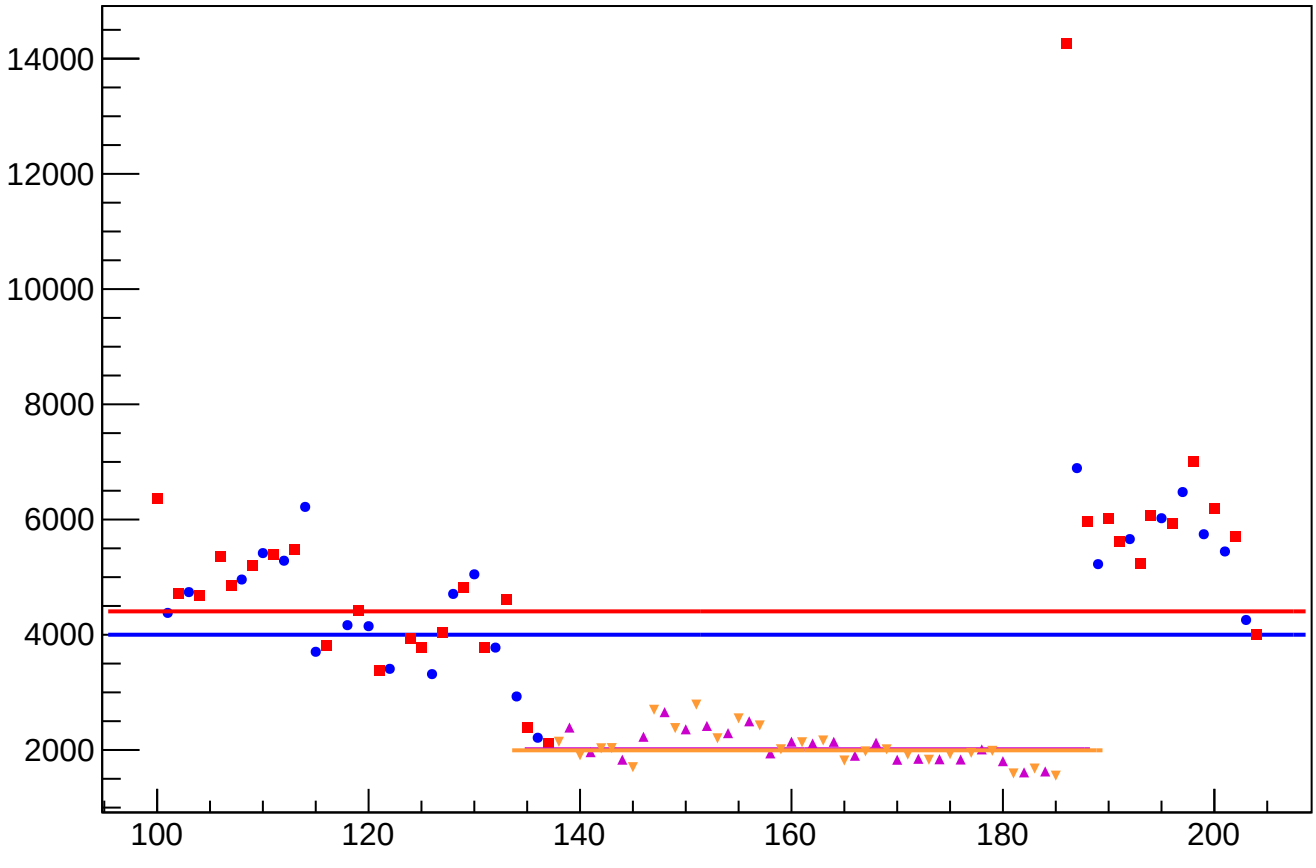
Left: 361.054+/-329.913 χ^2/NDF: 76.0/47

Right: 710.165+/-828.105 χ^2/NDF: 55.5/53

In: 320.385+/-439.604 χ^2/NDF:62.2/46

Out: 492.566+/-427.522 χ^2/NDF:69.3/54

All: 408.874+/-306.486 χ^2/NDF: 131.6/101



Right In: 4000.661+/-0.822 χ^2/NDF: 2602304.9/23

Left Out: 1994.246+/-0.324 χ^2/NDF:746498.4/24

Right Out: 4405.985+/-0.834 χ^2/NDF: 2845650.1/29

Left In: 2012.692+/-0.336 χ^2/NDF:587260.9/22

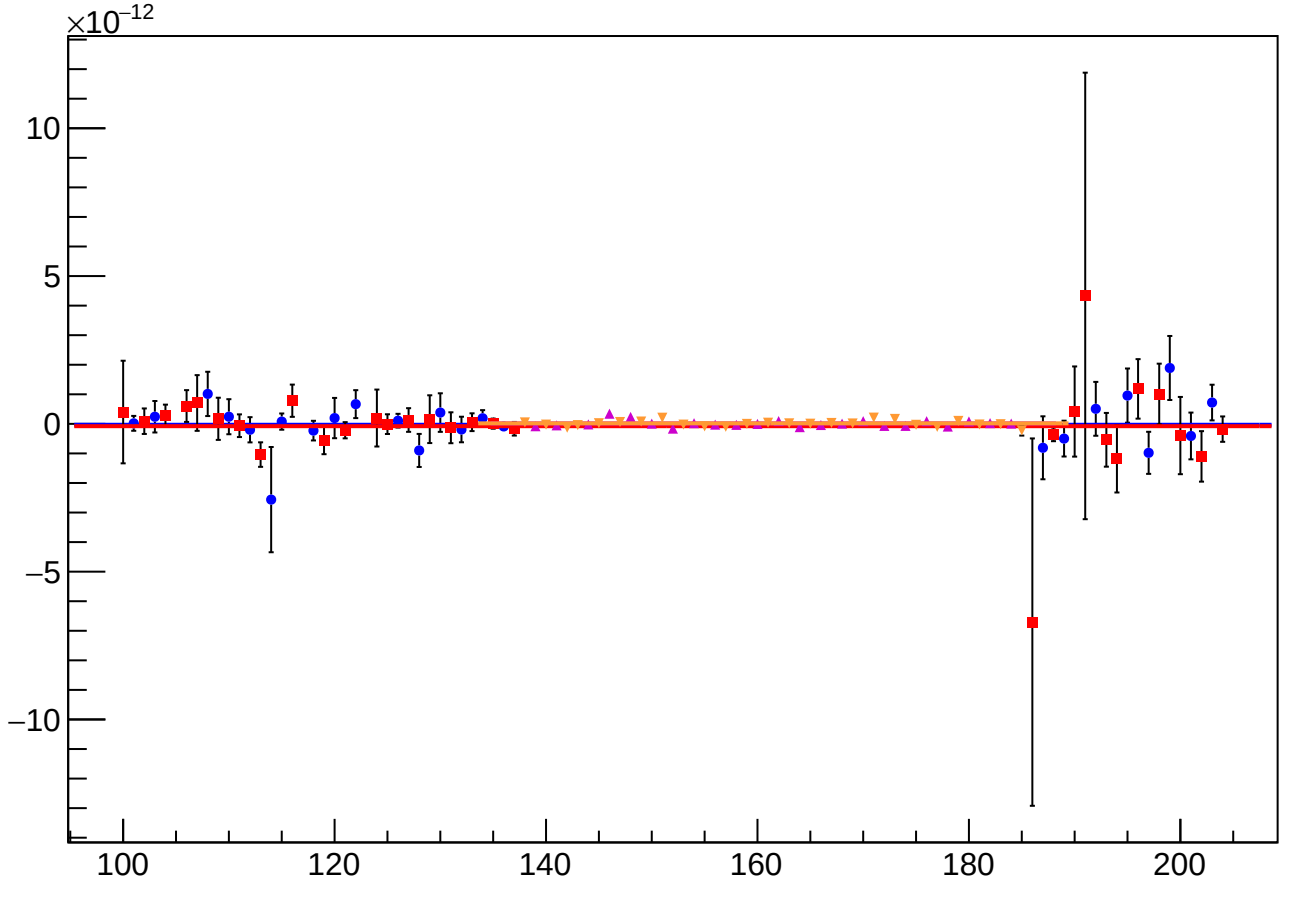
Left: 2003.151+/-0.233 χ^2/NDF: 1335320.5/47

Right: 4200.518+/-0.586 χ^2/NDF: 5567717.4/53

In: 2296.680+/-0.311 χ^2/NDF:8197662.2/46

Out: 2311.197+/-0.302 χ^2/NDF:10857341.3/54

All: 2304.141+/-0.217 χ^2/NDF: 19056124.4/1



Right In: -0.000+/-0.000 χ^2/NDF: 21.3/23

Left Out: 0.000+/-0.000 χ^2/NDF:21.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 22.2/29

Left In: 0.000+/-0.000 χ^2/NDF:30.6/22

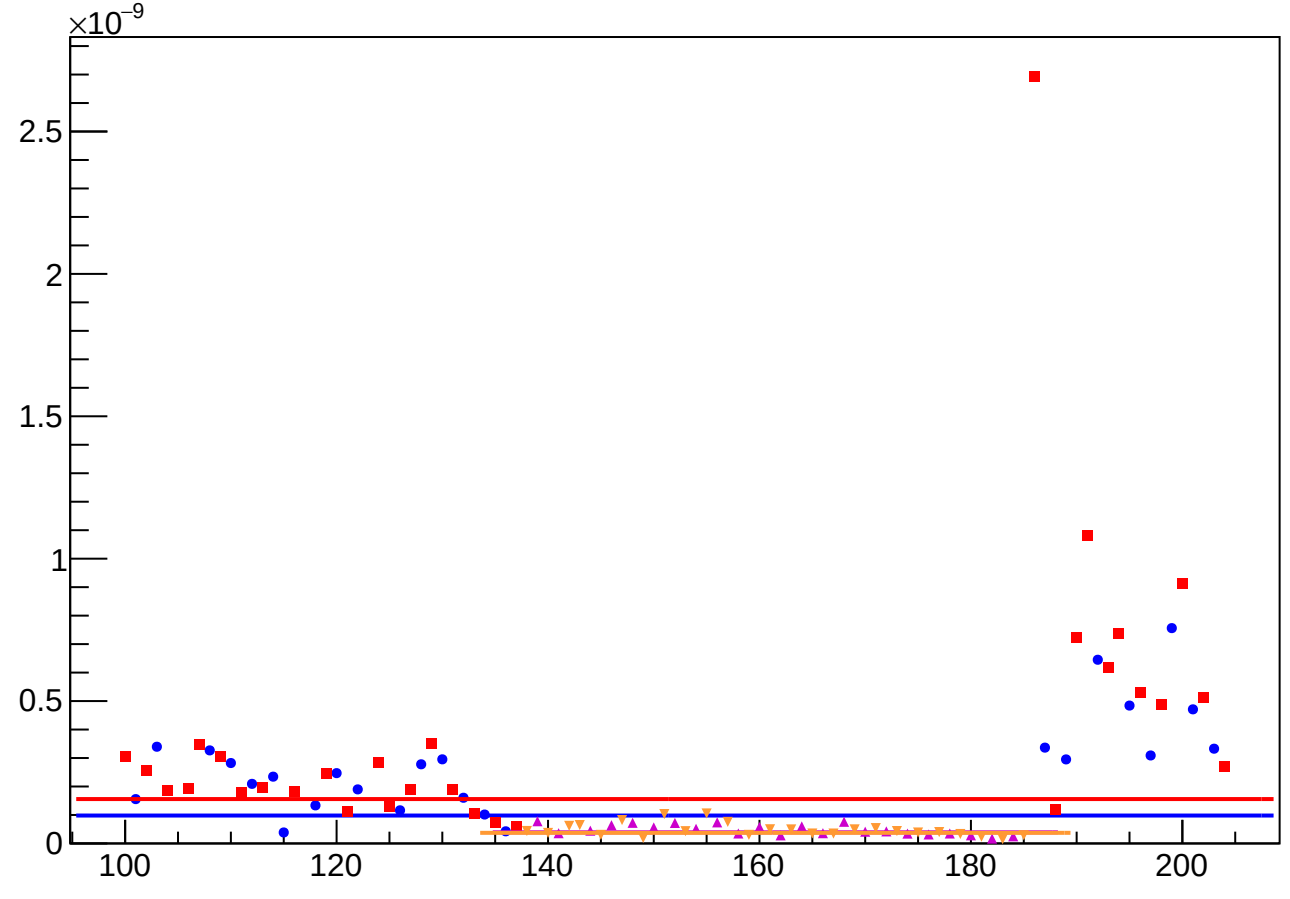
Left: 0.000+/-0.000 χ^2/NDF: 51.9/47

Right: -0.000+/-0.000 χ^2/NDF: 43.7/53

In: 0.000+/-0.000 χ^2/NDF:52.5/46

Out: 0.000+/-0.000 χ^2/NDF:44.9/54

All: 0.000+/-0.000 χ^2/NDF: 97.4/101



Right In: 0.000+/-0.000 χ^2/NDF: 5874694.3/23

Left Out: 0.000+/-0.000 χ^2/NDF:2323330.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4892784.6/29

Left In: 0.000+/-0.000 χ^2/NDF:1921481.4/22

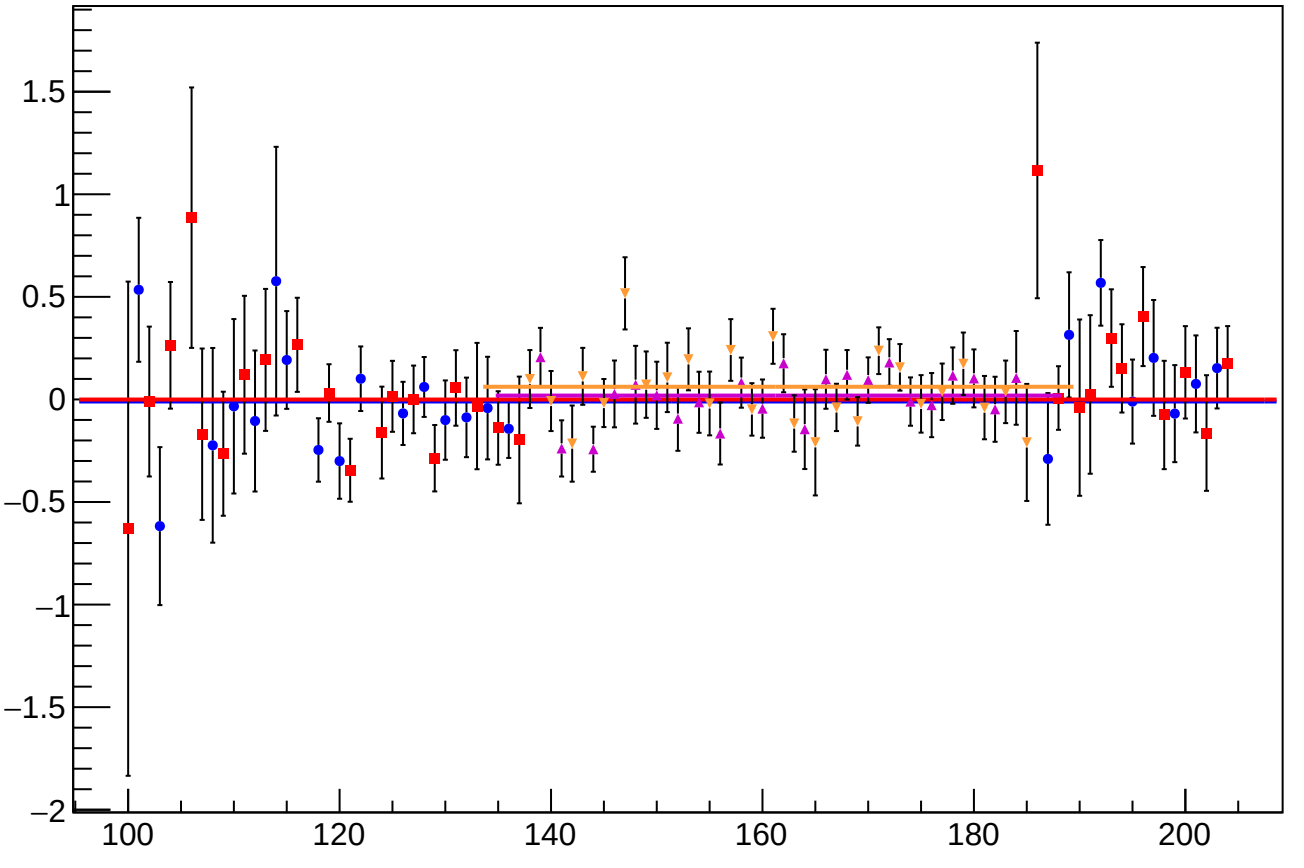
Left: 0.000+/-0.000 χ^2/NDF: 4258987.4/47

Right: 0.000+/-0.000 χ^2/NDF: 11478796.4/53

In: 0.000+/-0.000 χ^2/NDF:9634779.0/46

Out: 0.000+/-0.000 χ^2/NDF:11794050.5/54

All: 0.000+/-0.000 χ^2/NDF: 21438418.9/101



Right In: -0.010+/-0.044 χ^2/NDF: 24.7/23

Left Out: 0.062+/-0.029 χ^2/NDF:27.4/24

Right Out: -0.000+/-0.042 χ^2/NDF: 25.4/29

Left In: 0.019+/-0.029 χ^2/NDF:20.3/22

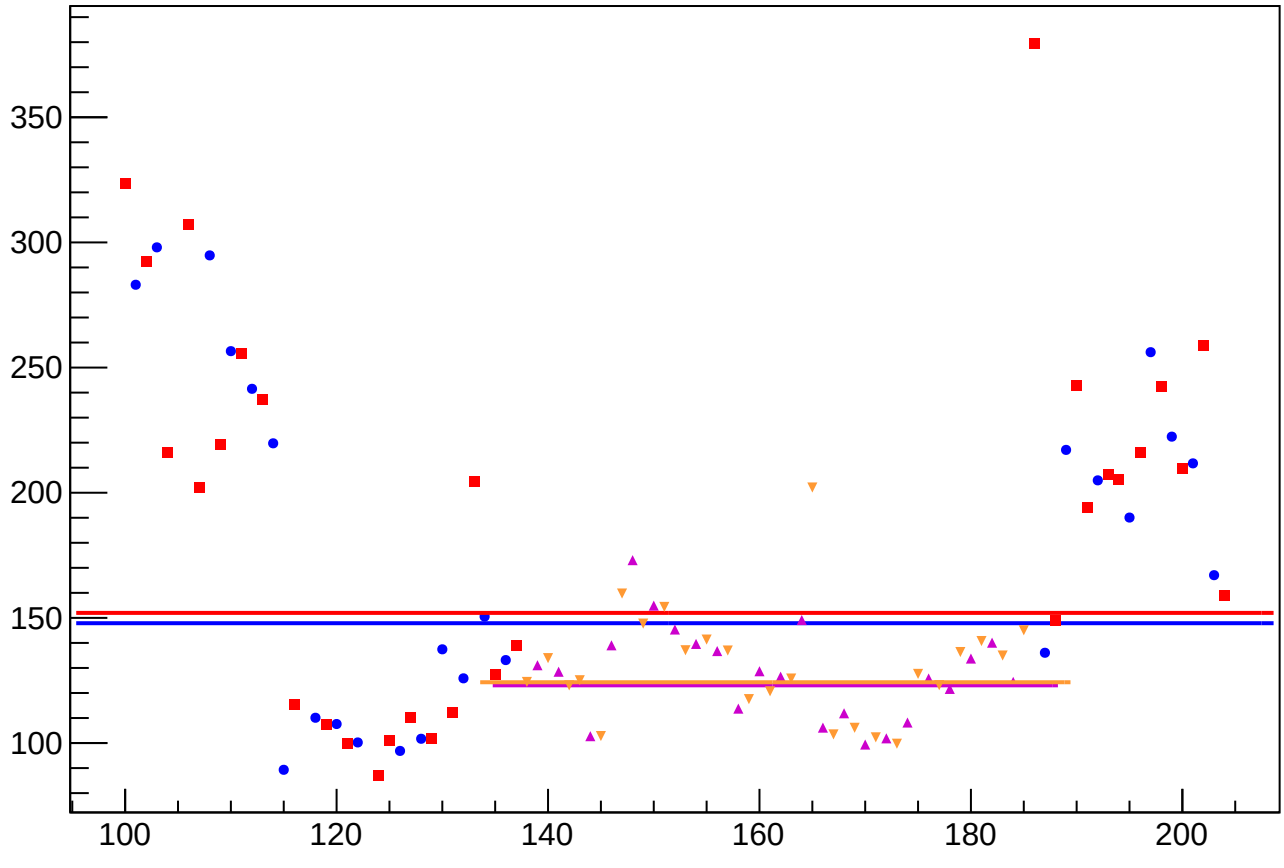
Left: 0.041+/-0.021 χ^2/NDF: 48.8/47

Right: -0.005+/-0.030 χ^2/NDF: 50.1/53

In: 0.010+/-0.024 χ^2/NDF:45.3/46

Out: 0.042+/-0.024 χ^2/NDF:54.3/54

All: 0.026+/-0.017 χ^2/NDF: 100.5/101



Right In: 147.877+/-0.031 χ^2/NDF: 3086654.1/23

Left Out: 124.292+/-0.020 χ^2/NDF:840983.3/24

Right Out: 151.997+/-0.030 χ^2/NDF: 3682451.4/29

Left In: 123.062+/-0.021 χ^2/NDF:718821.1/22

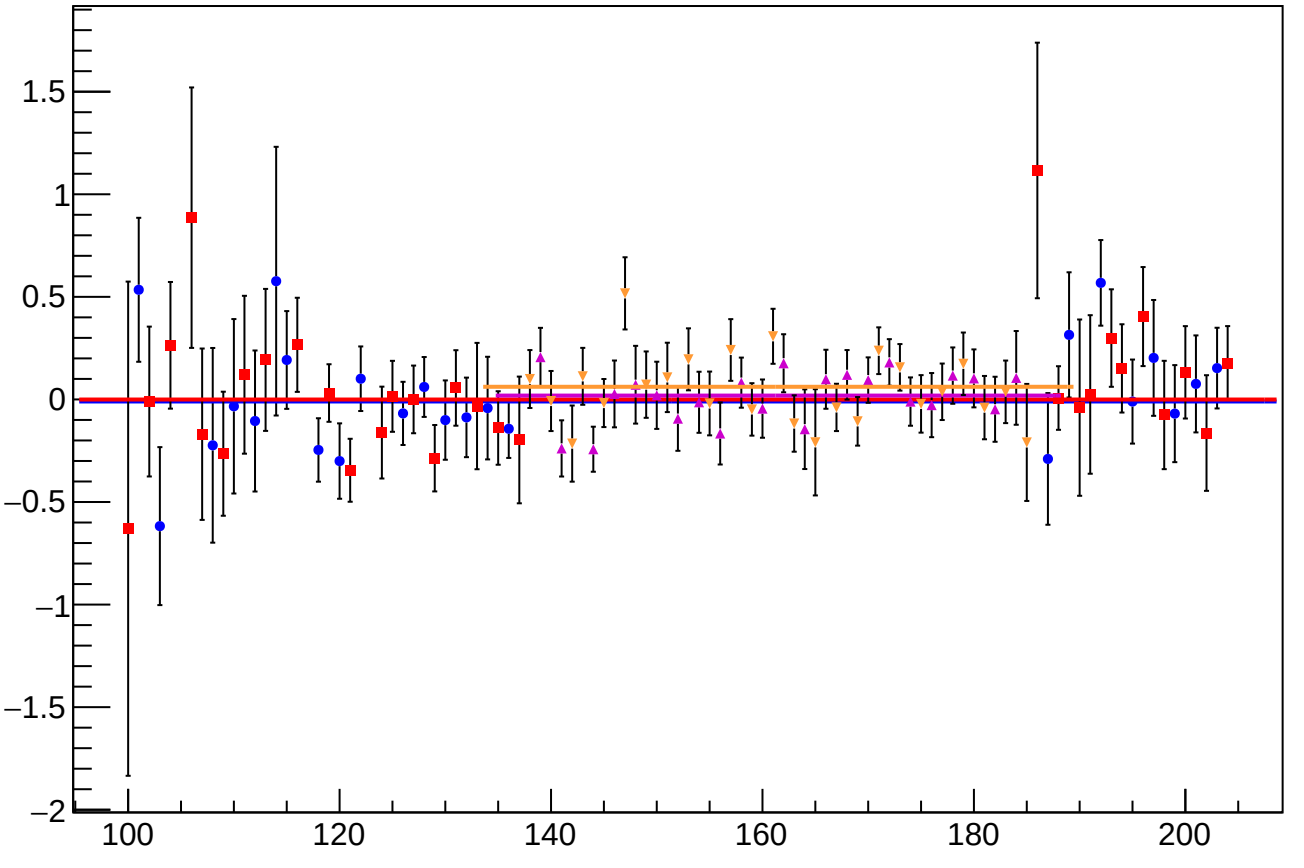
Left: 123.690+/-0.015 χ^2/NDF: 1561601.6/47

Right: 150.034+/-0.022 χ^2/NDF: 6778252.3/53

In: 130.676+/-0.017 χ^2/NDF:4244726.1/46

Out: 133.088+/-0.017 χ^2/NDF:5115946.8/54

All: 131.918+/-0.012 χ^2/NDF: 9370728.3/101



Right In: -0.010+/-0.044 χ^2/NDF: 24.7/23

Left Out: 0.062+/-0.029 χ^2/NDF:27.4/24

Right Out: -0.000+/-0.042 χ^2/NDF: 25.4/29

Left In: 0.019+/-0.029 χ^2/NDF:20.3/22

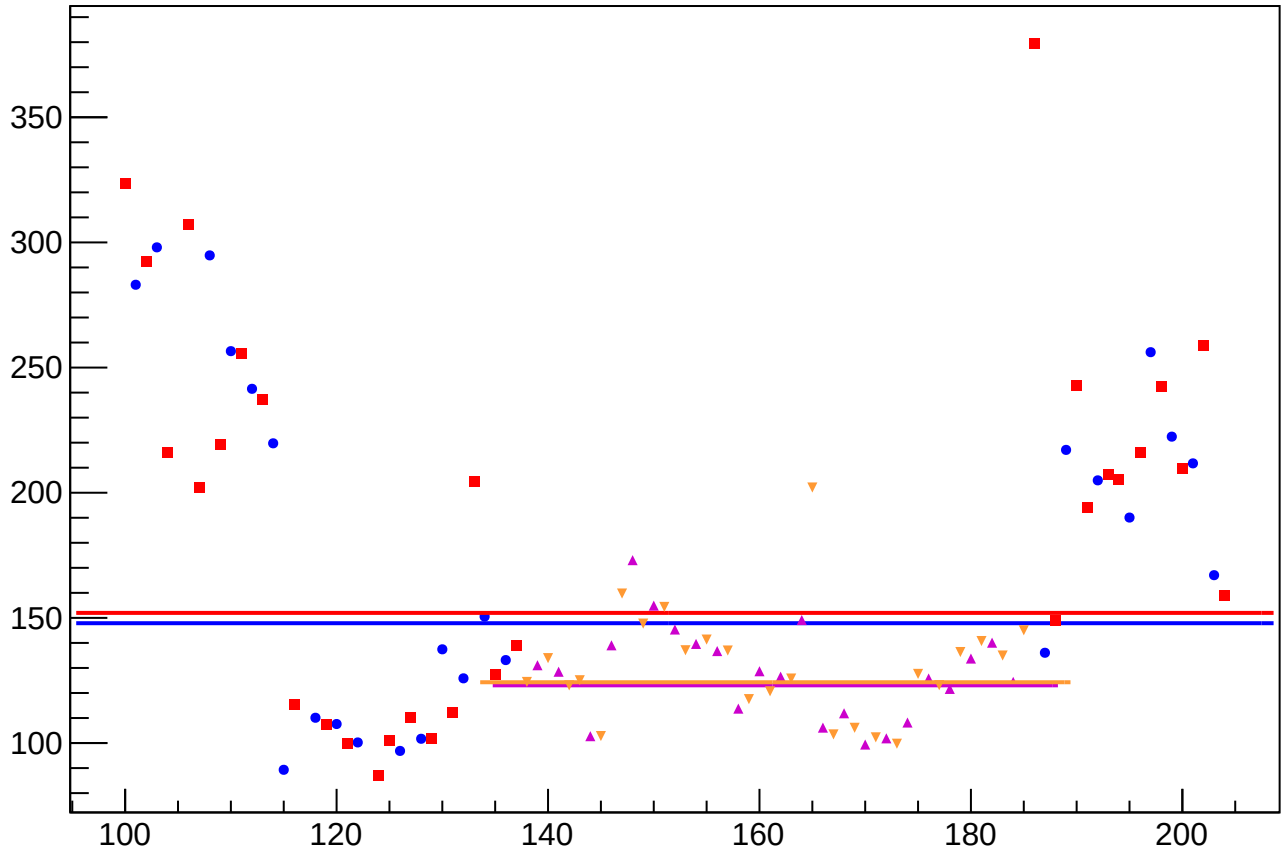
Left: 0.041+/-0.021 χ^2/NDF: 48.8/47

Right: -0.005+/-0.030 χ^2/NDF: 50.1/53

In: 0.010+/-0.024 χ^2/NDF:45.3/46

Out: 0.042+/-0.024 χ^2/NDF:54.3/54

All: 0.026+/-0.017 χ^2/NDF: 100.5/101



Right In: 147.877+/-0.031 χ^2/NDF: 3086654.1/23

Left Out: 124.292+/-0.020 χ^2/NDF:840983.3/24

Right Out: 151.997+/-0.030 χ^2/NDF: 3682451.4/29

Left In: 123.062+/-0.021 χ^2/NDF:718821.1/22

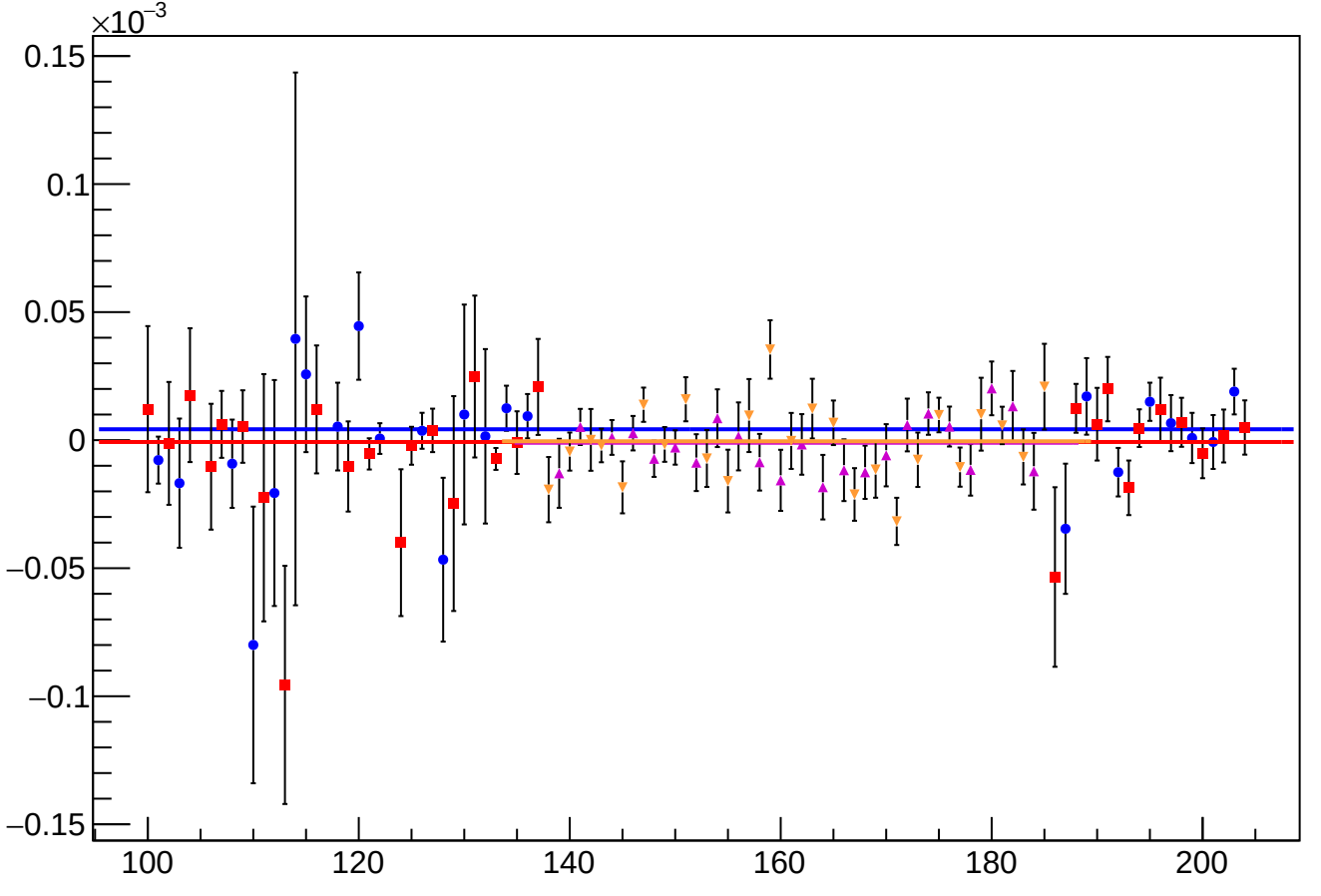
Left: 123.690+/-0.015 χ^2/NDF: 1561601.6/47

Right: 150.034+/-0.022 χ^2/NDF: 6778252.3/53

In: 130.676+/-0.017 χ^2/NDF:4244726.1/46

Out: 133.088+/-0.017 χ^2/NDF:5115946.8/54

All: 131.918+/-0.012 χ^2/NDF: 9370728.3/101



Right In: 0.000+/-0.000 χ^2/NDF: 25.6/23

Left Out: -0.000+/-0.000 χ^2/NDF:52.5/24

Right Out: -0.000+/-0.000 χ^2/NDF: 26.3/29

Left In: -0.000+/-0.000 χ^2/NDF:20.0/22

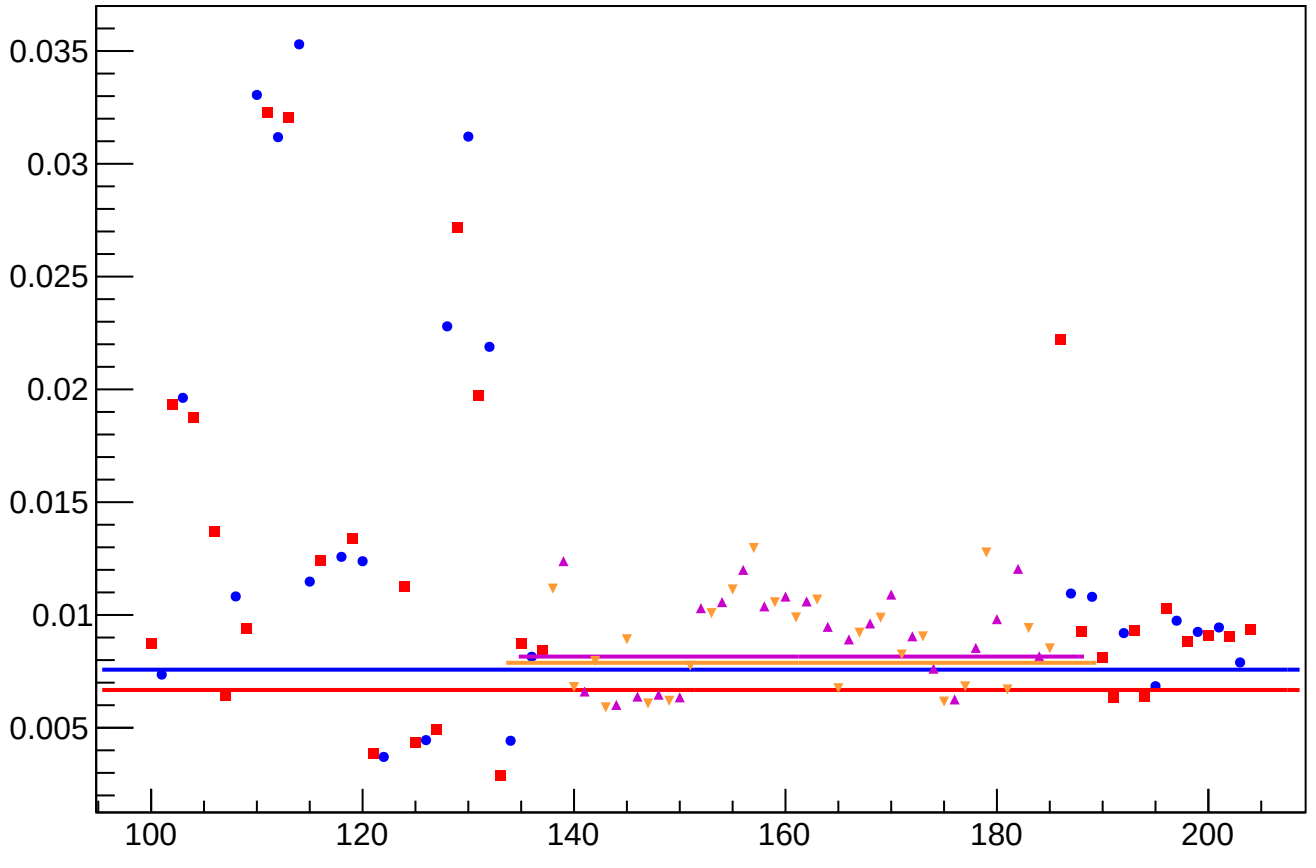
Left: -0.000+/-0.000 χ^2/NDF: 72.5/47

Right: 0.000+/-0.000 χ^2/NDF: 54.5/53

In: 0.000+/-0.000 χ^2/NDF:48.5/46

Out: -0.000+/-0.000 χ^2/NDF:78.8/54

All: 0.000+/-0.000 χ^2/NDF: 128.0/101



Right In: 0.008+/-0.000 χ^2/NDF: 5311264.6/23

Left Out: 0.008+/-0.000 χ^2/NDF:2076596.0/24

Right Out: 0.007+/-0.000 χ^2/NDF: 7339704.8/29

Left In: 0.008+/-0.000 χ^2/NDF:2017677.5/22

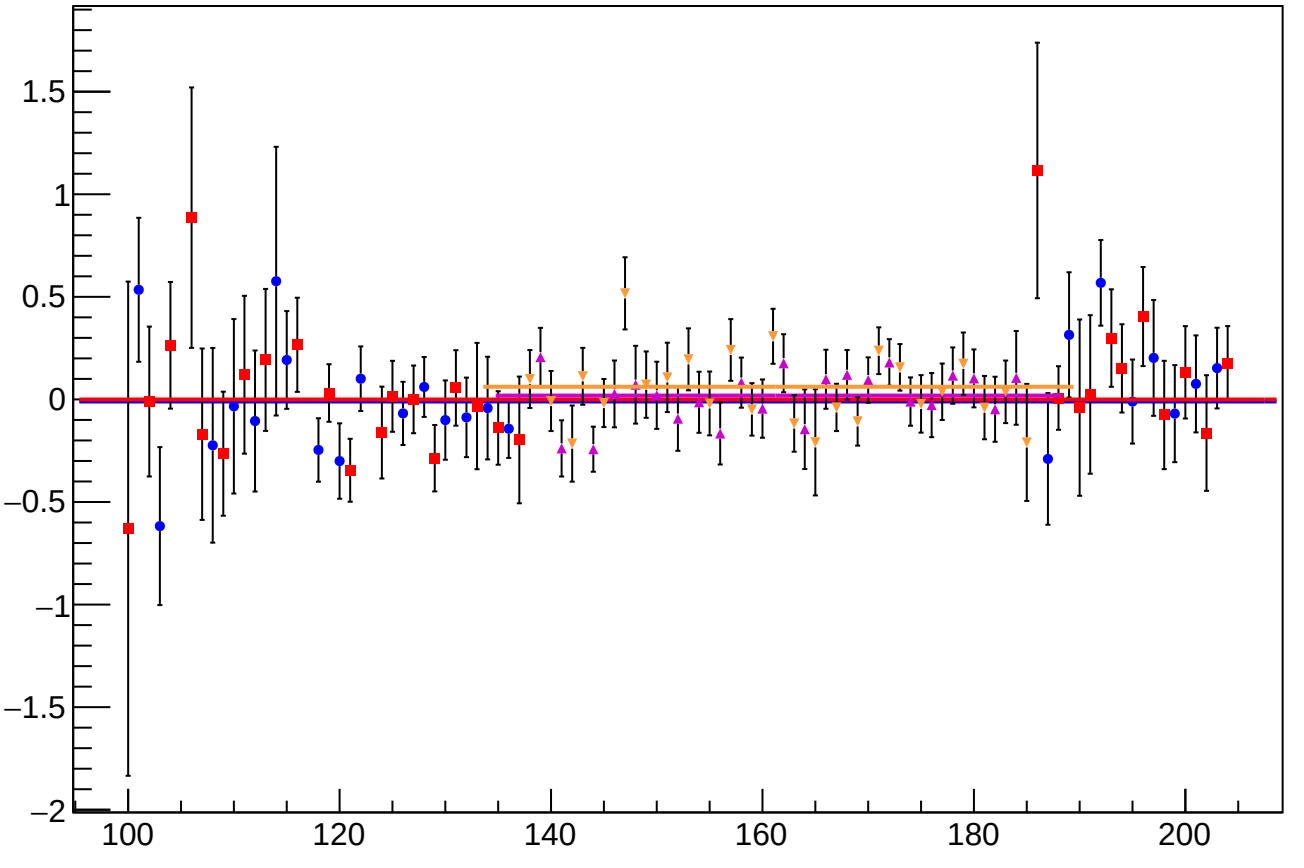
Left: 0.008+/-0.000 χ^2/NDF: 4114921.6/47

Right: 0.007+/-0.000 χ^2/NDF: 12817314.3/53

In: 0.008+/-0.000 χ^2/NDF:7399266.9/46

Out: 0.007+/-0.000 χ^2/NDF:9802671.3/54

All: 0.008+/-0.000 χ^2/NDF: 17367116.4/101



Right In: -0.010+/-0.044 χ^2/NDF: 24.7/23

Left Out: 0.062+/-0.029 χ^2/NDF:27.4/24

Right Out: -0.000+/-0.042 χ^2/NDF: 25.4/29

Left In: 0.019+/-0.029 χ^2/NDF:20.3/22

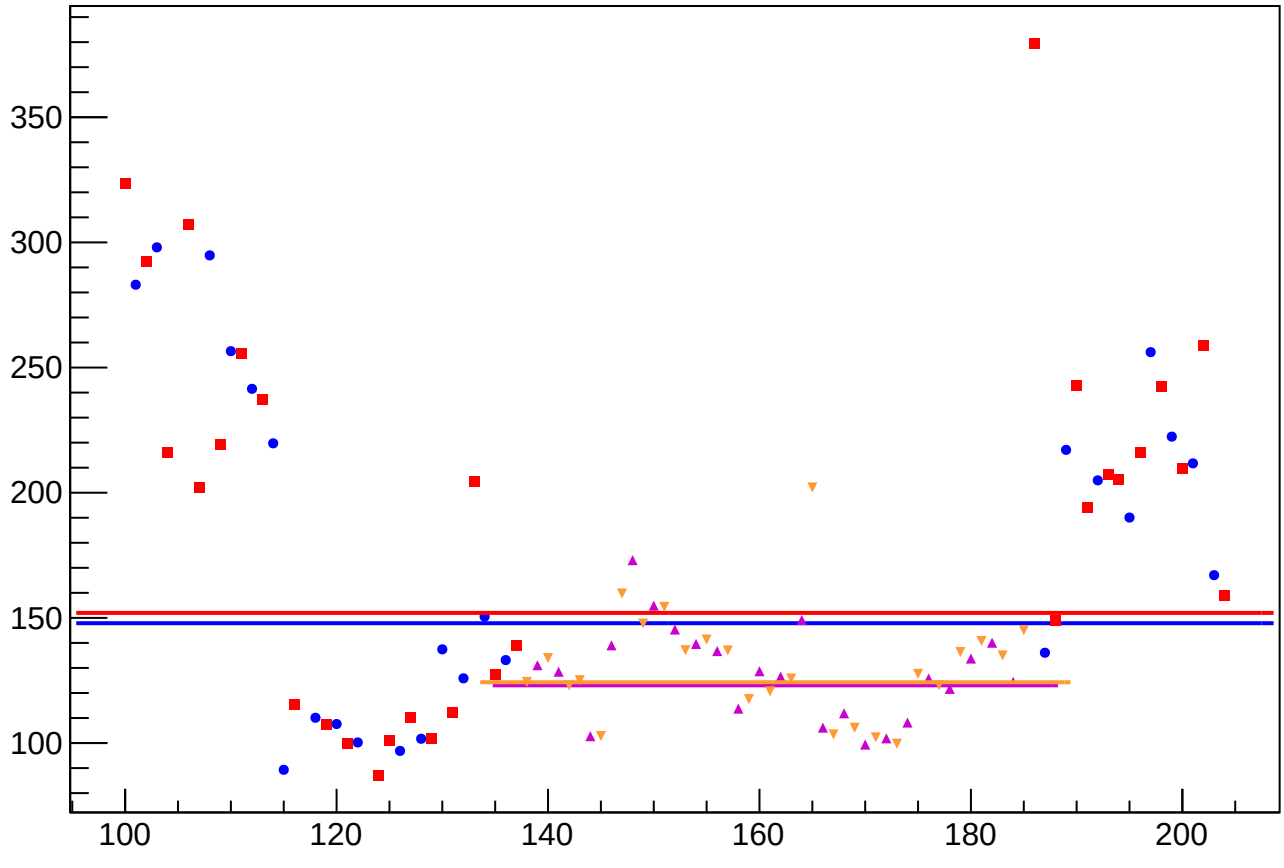
Left: 0.041+/-0.021 χ^2/NDF: 48.8/47

Right: -0.005+/-0.030 χ^2/NDF: 50.1/53

In: 0.010+/-0.024 χ^2/NDF:45.3/46

Out: 0.042+/-0.024 χ^2/NDF:54.3/54

All: 0.026+/-0.017 χ^2/NDF: 100.5/101



Right In: 147.874+/-0.031 χ^2/NDF: 3086708.1/23

Left Out: 124.292+/-0.020 χ^2/NDF:841035.9/24

Right Out: 151.995+/-0.030 χ^2/NDF: 3682572.2/29

Left In: 123.062+/-0.021 χ^2/NDF:718844.3/22

Left: 123.690+/-0.015 χ^2/NDF: 1561677.7/47

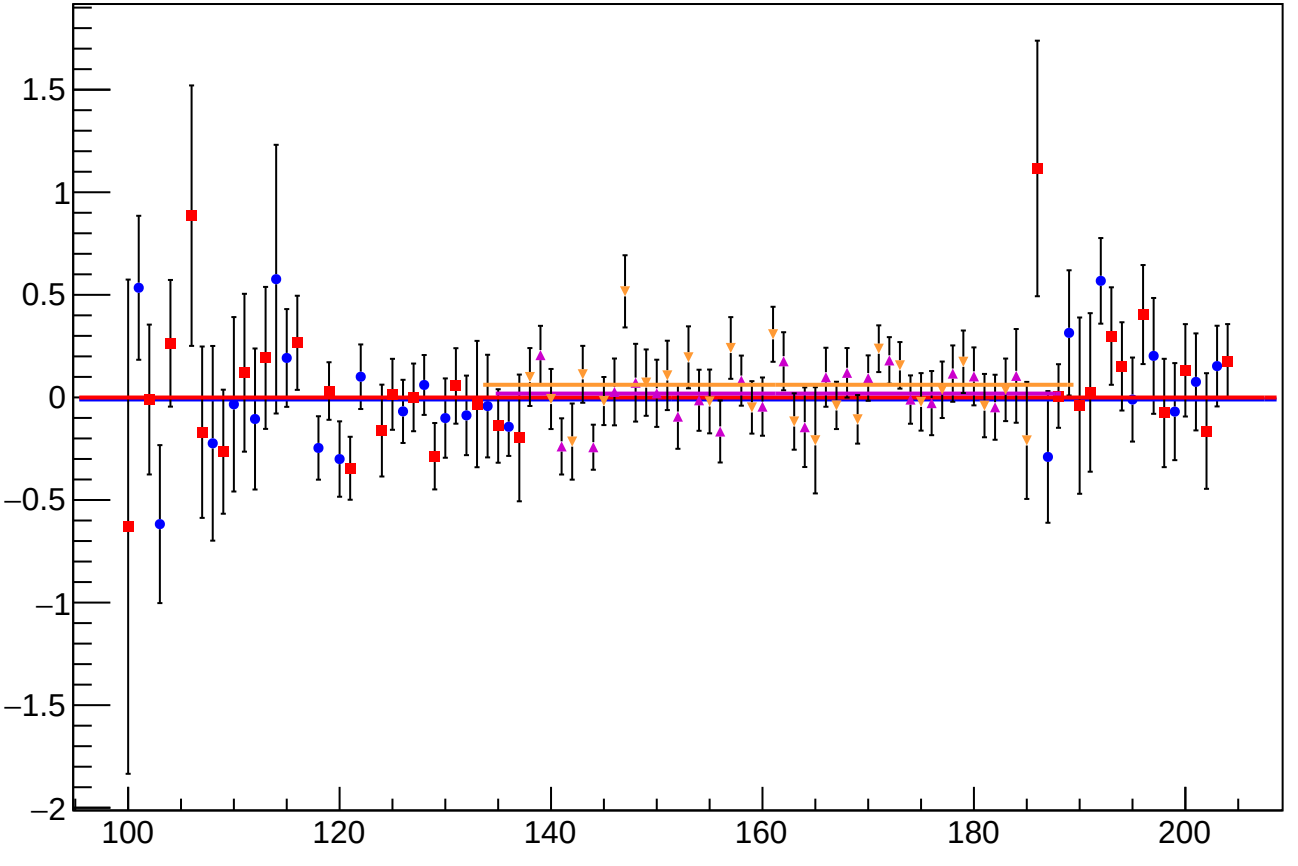
Right: 150.032+/-0.022 χ^2/NDF: 6778428.1/53

In: 130.675+/-0.017 χ^2/NDF:4244726.5/46

Out: 133.088+/-0.017 χ^2/NDF:5116028.3/54

All: 131.918+/-0.012 χ^2/NDF: 9370811.1/101

asym_sam2_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.010+/-0.044 χ^2/NDF: 24.7/23

Left Out: 0.062+/-0.029 χ^2/NDF:27.4/24

Right Out: -0.000+/-0.042 χ^2/NDF: 25.4/29

Left In: 0.019+/-0.029 χ^2/NDF:20.3/22

Left: 0.041+/-0.021 χ^2/NDF: 48.8/47

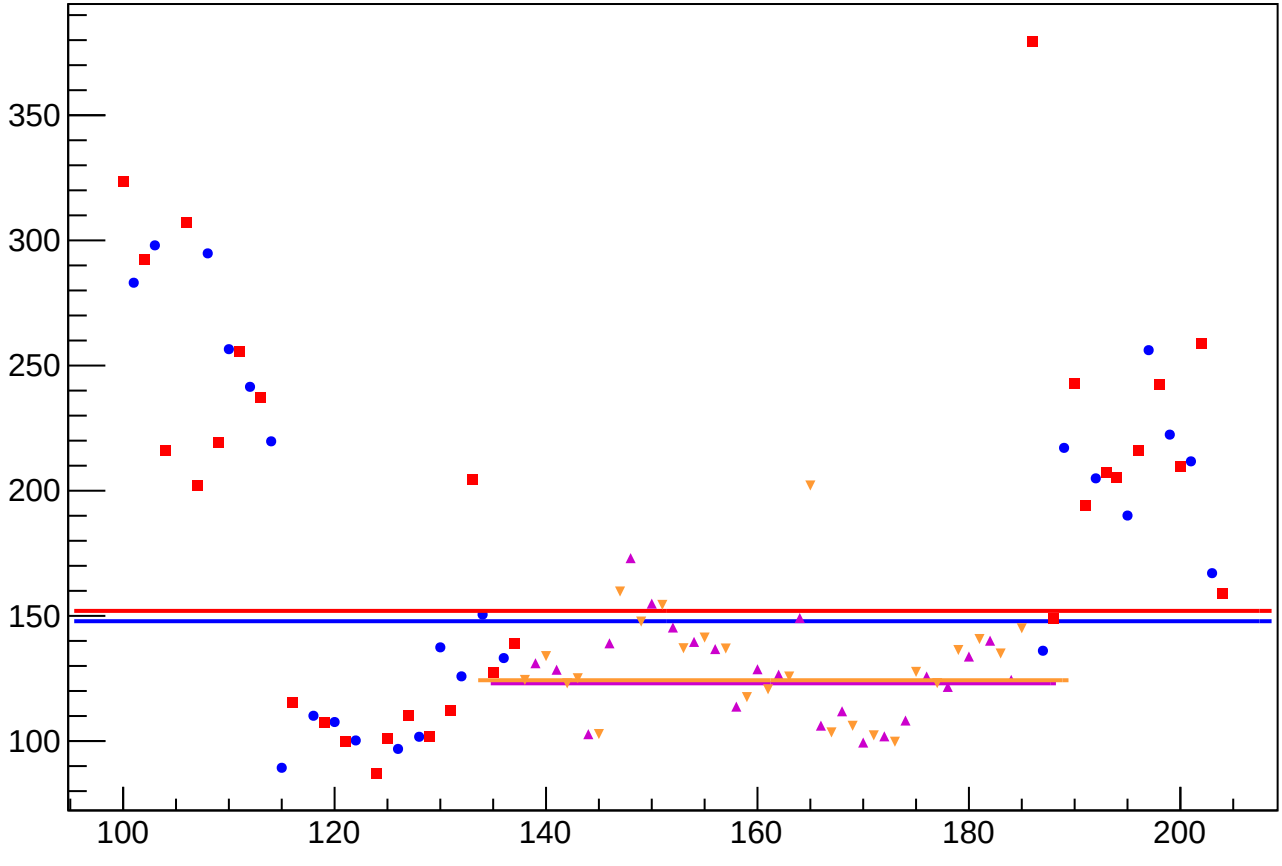
Right: -0.005+/-0.030 χ^2/NDF: 50.1/53

In: 0.010+/-0.024 χ^2/NDF:45.3/46

Out: 0.042+/-0.024 χ^2/NDF:54.3/54

All: 0.026+/-0.017 χ^2/NDF: 100.5/101

asym_sam2_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 147.874+/-0.031 χ^2/NDF: 3086708.1/23

Left Out: 124.292+/-0.020 χ^2/NDF:841035.9/24

Right Out: 151.995+/-0.030 χ^2/NDF: 3682572.2/29

Left In: 123.062+/-0.021 χ^2/NDF:718844.3/22

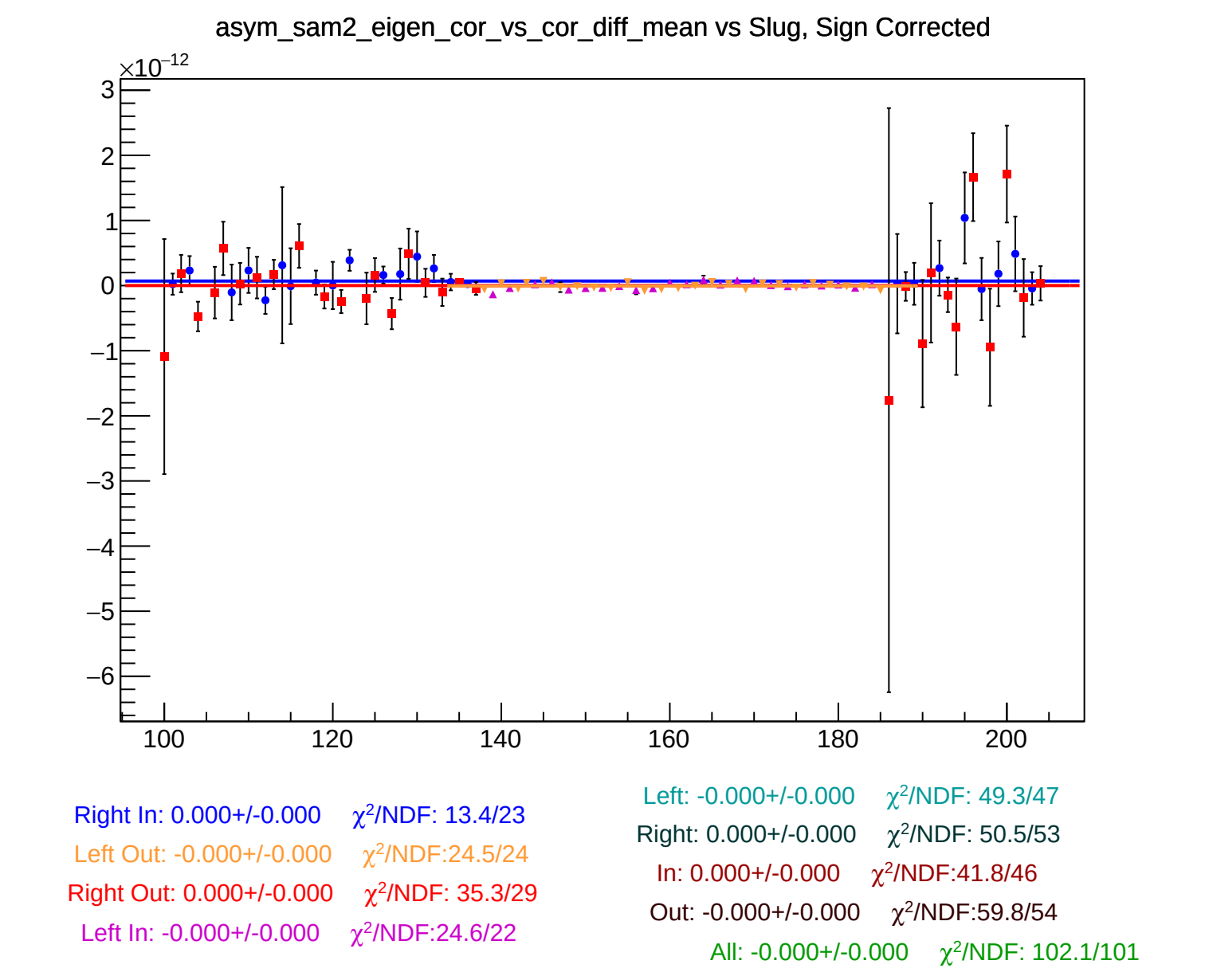
Left: 123.690+/-0.015 χ^2/NDF: 1561677.7/47

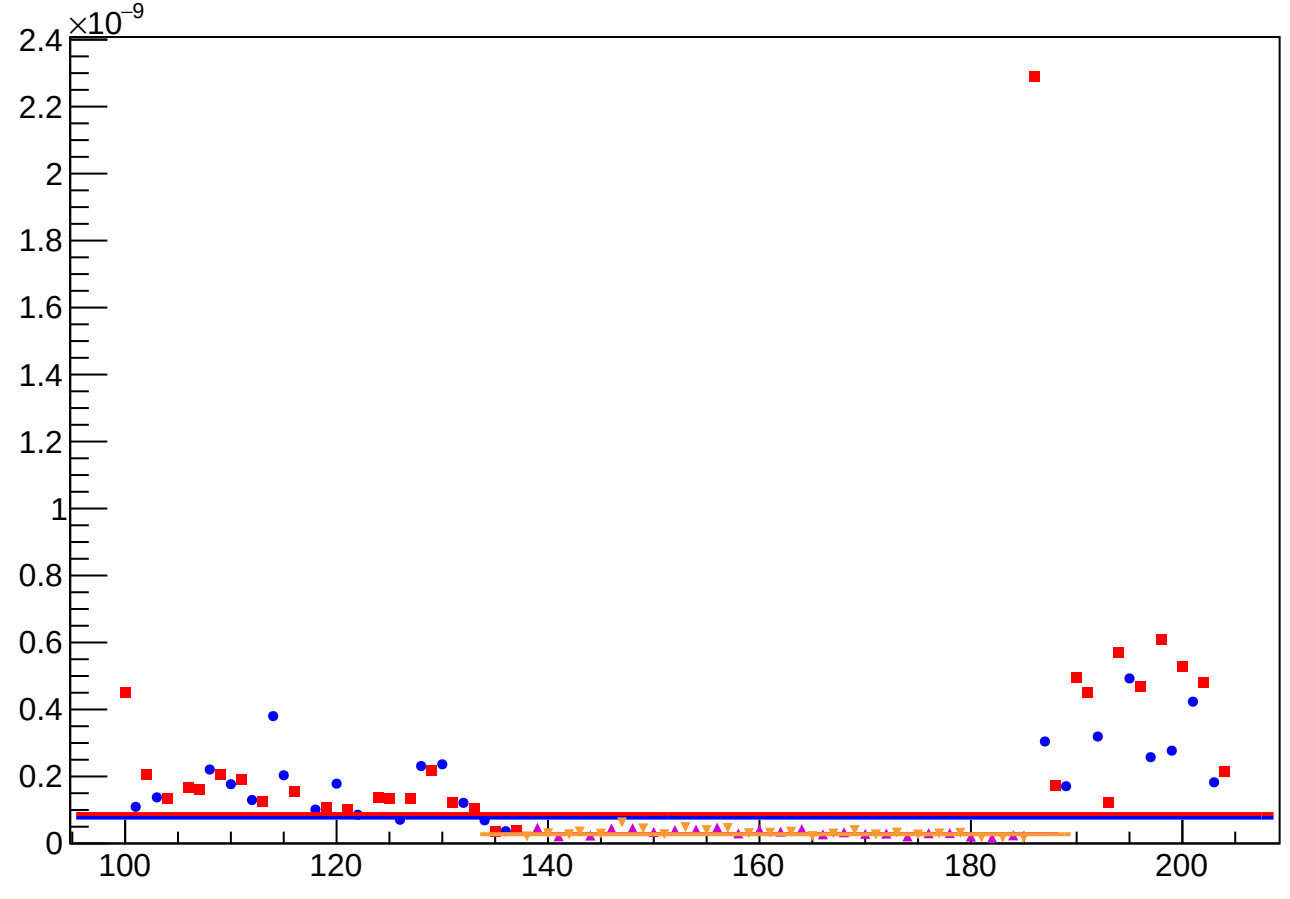
Right: 150.032+/-0.022 χ^2/NDF: 6778428.1/53

In: 130.675+/-0.017 χ^2/NDF:4244726.5/46

Out: 133.088+/-0.017 χ^2/NDF:5116028.3/54

All: 131.918+/-0.012 χ^2/NDF: 9370811.1/101


asym_sam2_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
3
2
1
0
−1
−2
−3
−4
−5
−6
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 13.4/23
Left Out: -0.000+/-0.000 χ²/NDF:24.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 35.3/29
Left In: -0.000+/-0.000 χ²/NDF:24.6/22
Left: -0.000+/-0.000 χ²/NDF: 49.3/47
Right: 0.000+/-0.000 χ²/NDF: 50.5/53
In: 0.000+/-0.000 χ²/NDF:41.8/46
Out: -0.000+/-0.000 χ²/NDF:59.8/54
All: -0.000+/-0.000 χ²/NDF: 102.1/101



Right In: 0.000+/-0.000 χ^2/NDF: 6740162.8/23

Left Out: 0.000+/-0.000 χ^2/NDF:2403081.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9477031.8/29

Left In: 0.000+/-0.000 χ^2/NDF:2191521.5/22

Left: 0.000+/-0.000 χ^2/NDF: 4602499.0/47

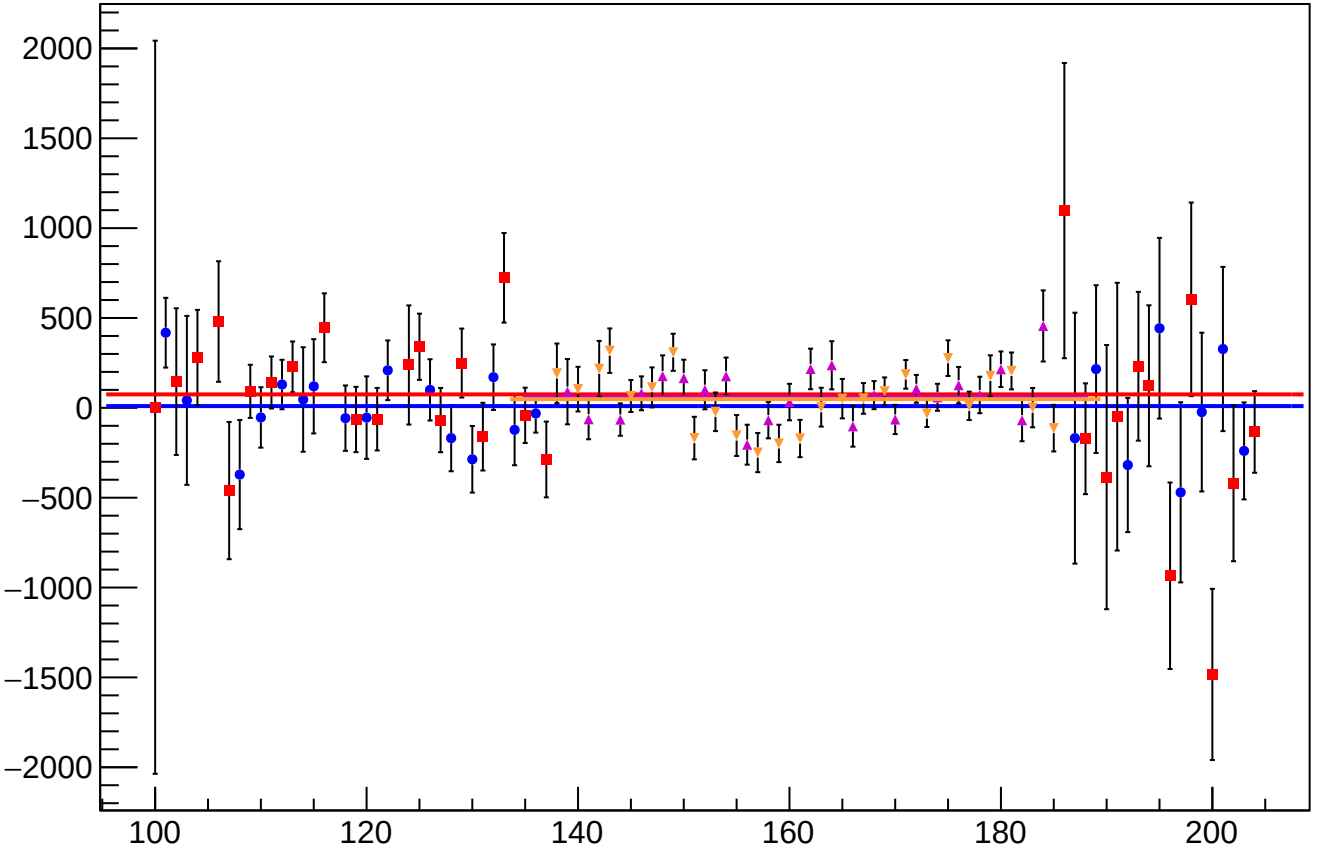
Right: 0.000+/-0.000 χ^2/NDF: 16302187.2/53

In: 0.000+/-0.000 χ^2/NDF:12622221.5/46

Out: 0.000+/-0.000 χ^2/NDF:16791392.1/54

All: 0.000+/-0.000 χ^2/NDF: 29423235.5/101

reg_asym_sam3_mean vs Slug, Sign Corrected



Right In: 9.759+/-43.680 χ^2/NDF: 17.9/23

Left Out: 48.392+/-20.423 χ^2/NDF:53.6/24

Right Out: 74.834+/-43.074 χ^2/NDF: 46.4/29

Left In: 59.014+/-21.156 χ^2/NDF:30.6/22

Left: 53.516+/-14.694 χ^2/NDF: 84.3/47

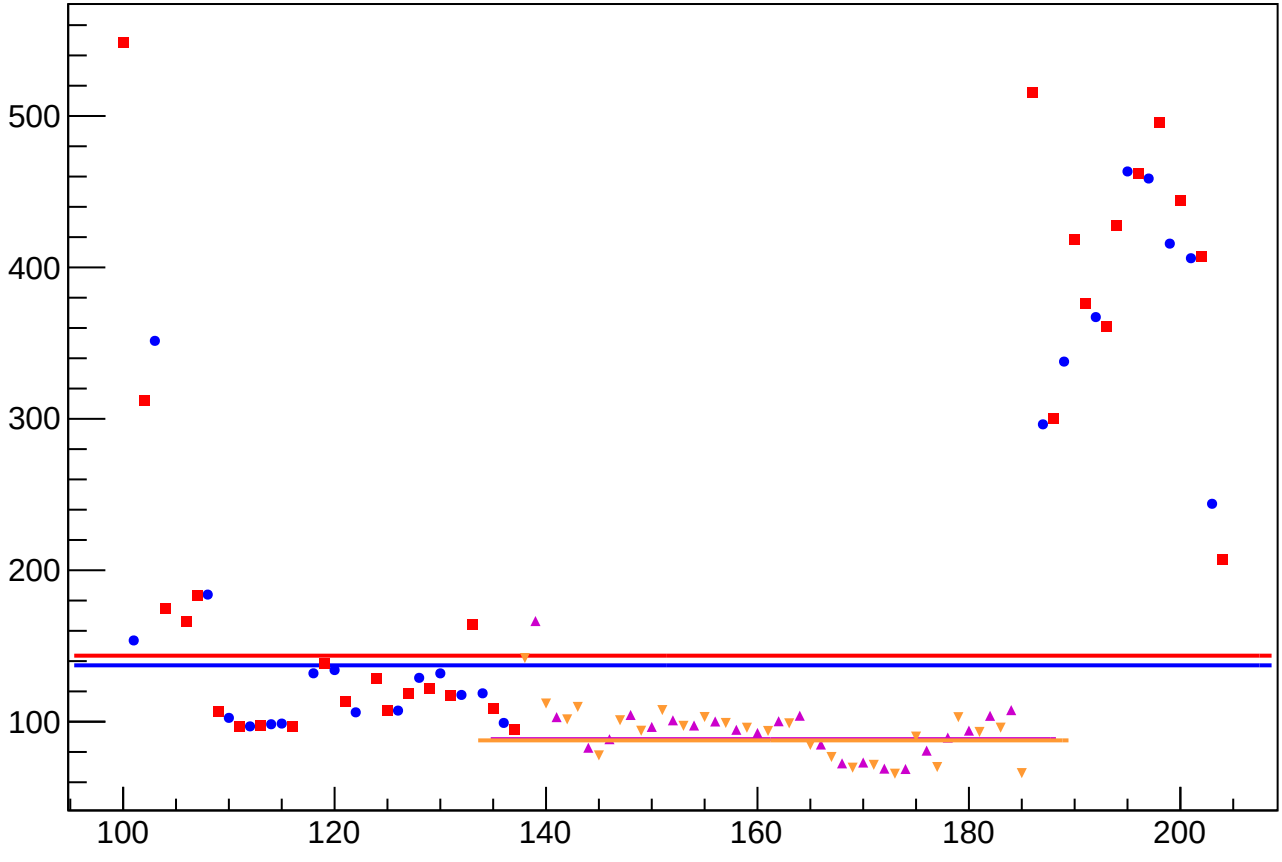
Right: 42.752+/-30.670 χ^2/NDF: 65.5/53

In: 49.655+/-19.040 χ^2/NDF:49.6/46

Out: 53.246+/-18.454 χ^2/NDF:100.3/54

All: 51.506+/-13.251 χ^2/NDF: 149.9/101

reg_asym_sam3_rms vs Slug, Sign Corrected



Right In: 137.212+/-0.031 χ^2/NDF: 5943513.6/23

Left Out: 87.656+/-0.014 χ^2/NDF:1213284.3/24

Right Out: 143.594+/-0.030 χ^2/NDF: 7664386.4/29

Left In: 88.482+/-0.015 χ^2/NDF:1075689.1/22

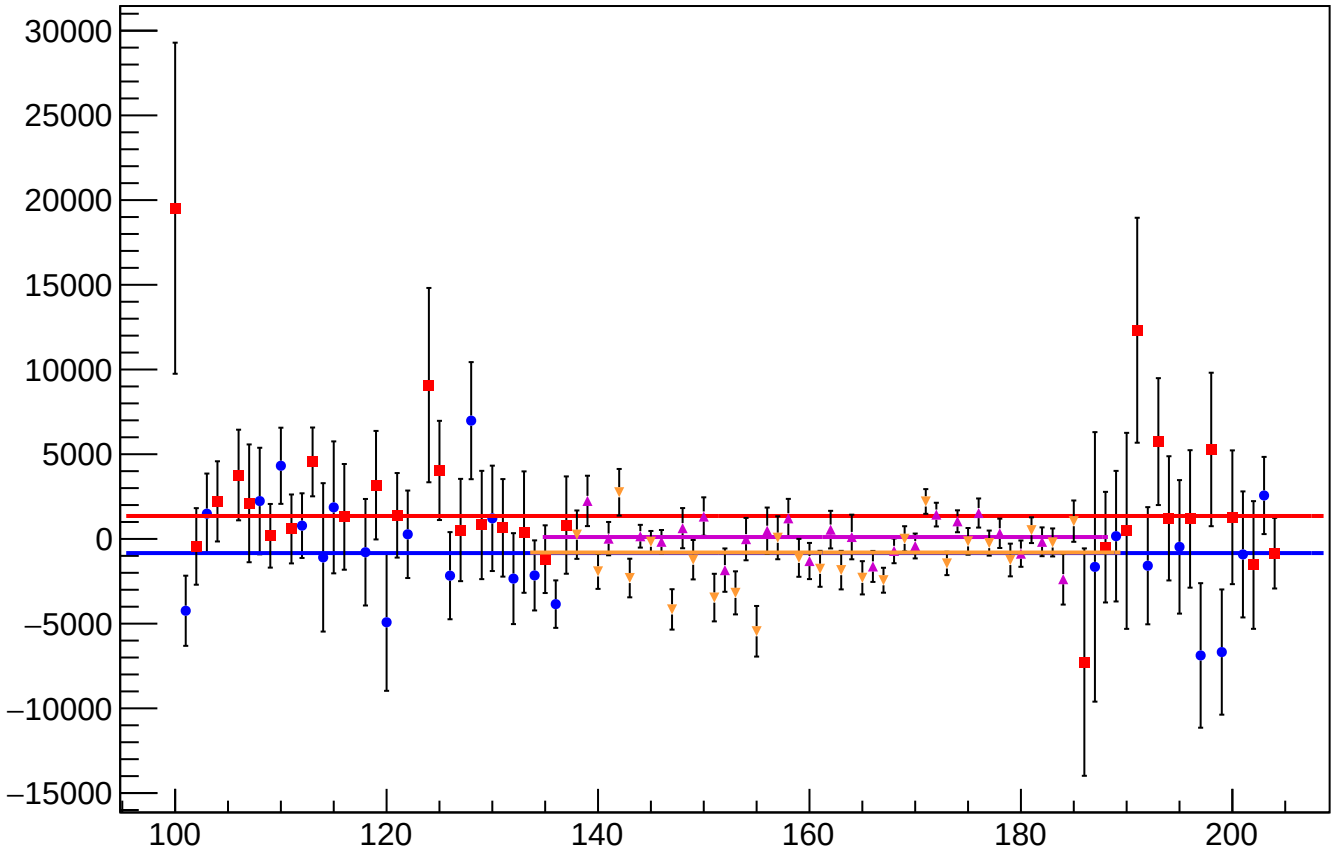
Left: 88.055+/-0.010 χ^2/NDF: 2290553.6/47

Right: 140.448+/-0.022 χ^2/NDF: 13629545.2/53

In: 97.742+/-0.013 χ^2/NDF:9035386.4/46

Out: 97.923+/-0.013 χ^2/NDF:11631579.5/54

All: 97.835+/-0.009 χ^2/NDF: 20667059.4/101



Right In: -835.167+/-553.884 χ^2/NDF: 30.3/23

Left Out: -801.506+/-187.755 χ^2/NDF:71.9/24

Right Out: 1354.331+/-538.483 χ^2/NDF: 21.5/29

Left In: 112.483+/-190.269 χ^2/NDF:27.1/22

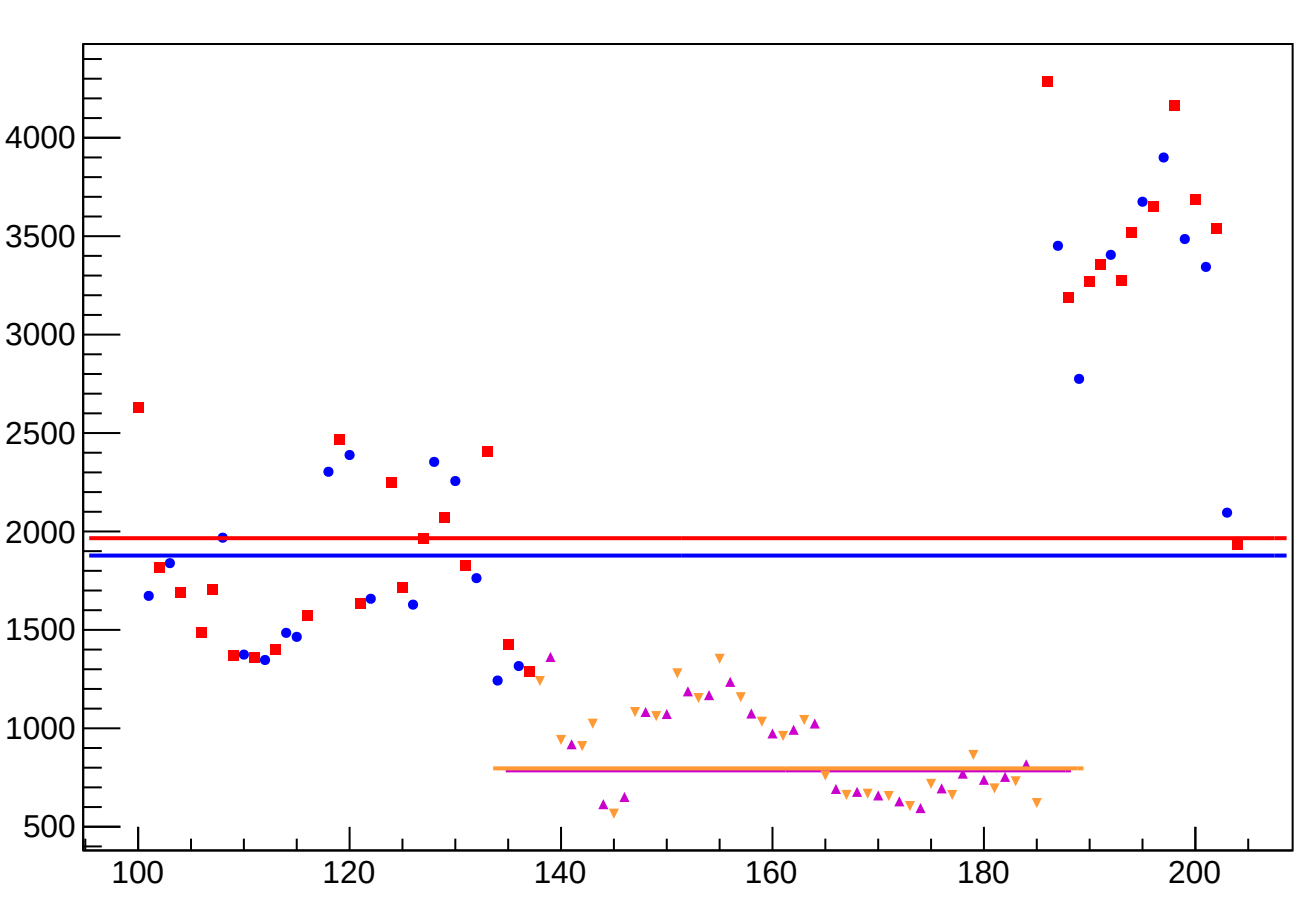
Left: -350.590+/-133.643 χ^2/NDF: 110.6/47

Right: 290.445+/-386.095 χ^2/NDF: 59.8/53

In: 12.459+/-179.948 χ^2/NDF:60.0/46

Out: -567.822+/-177.287 χ^2/NDF:107.7/54

All: -282.003+/-126.291 χ^2/NDF: 173.0/101



Right In: 1877.565+/-0.392 χ^2/NDF: 3147573.4/23

Left Out: 796.524+/-0.133 χ^2/NDF:2417872.0/24

Right Out: 1965.844+/-0.381 χ^2/NDF: 3944841.2/29

Left In: 786.336+/-0.135 χ^2/NDF:2156583.9/22

Left: 791.497+/-0.094 χ^2/NDF: 4577361.0/47

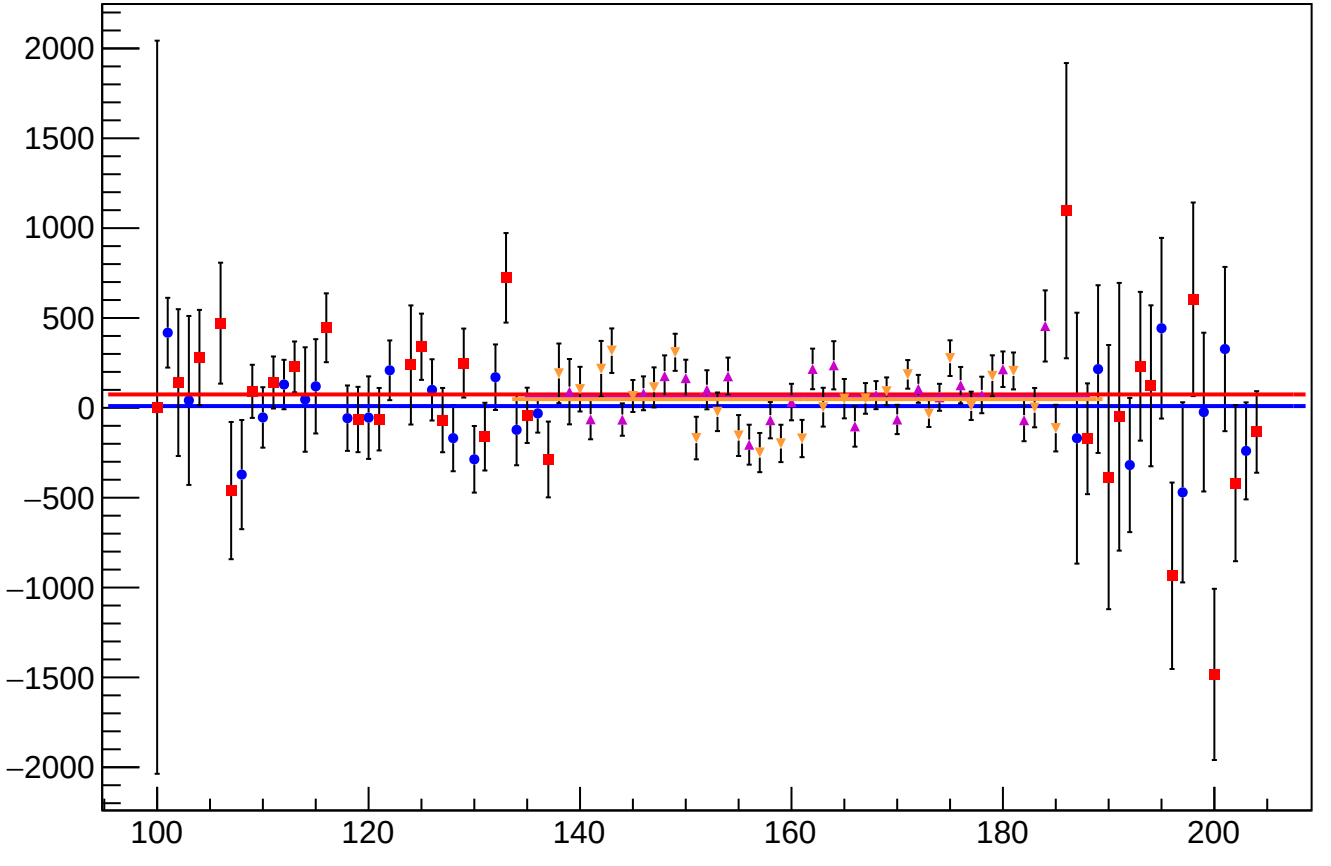
Right: 1922.949+/-0.273 χ^2/NDF: 7118533.9/53

In: 901.515+/-0.127 χ^2/NDF:12247698.1/46

Out: 923.273+/-0.125 χ^2/NDF:14771361.1/54

All: 912.556+/-0.089 χ^2/NDF: 27033897.4/10

cor_asym_sam3_mean vs Slug, Sign Corrected



Right In: 9.747+/-43.680 χ^2/NDF: 17.9/23

Left Out: 48.399+/-20.423 χ^2/NDF:53.6/24

Right Out: 74.581+/-43.076 χ^2/NDF: 46.3/29

Left In: 59.016+/-21.156 χ^2/NDF:30.6/22

Left: 53.521+/-14.694 χ^2/NDF: 84.3/47

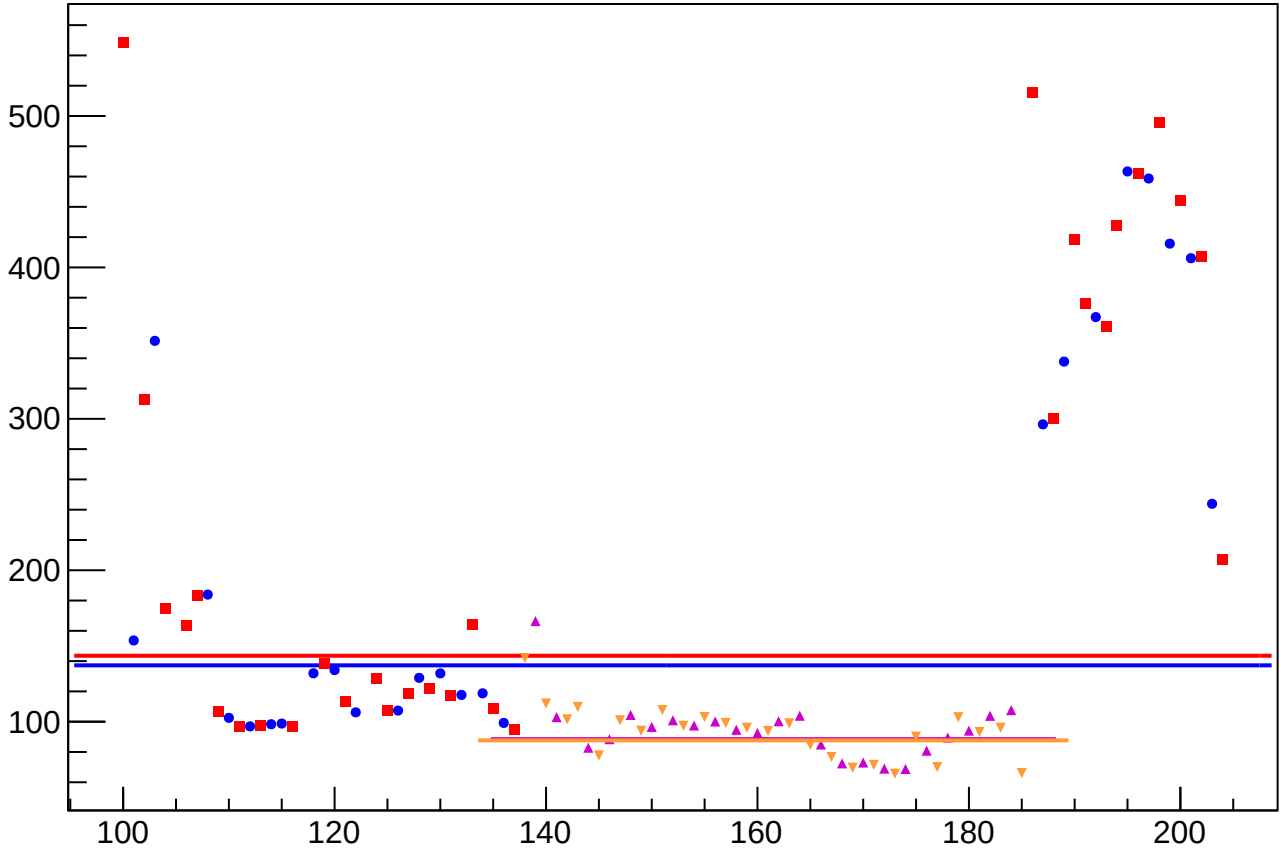
Right: 42.615+/-30.671 χ^2/NDF: 65.4/53

In: 49.655+/-19.040 χ^2/NDF:49.6/46

Out: 53.204+/-18.454 χ^2/NDF:100.2/54

All: 51.485+/-13.251 χ^2/NDF: 149.8/101

cor_asym_sam3_rms vs Slug, Sign Corrected



Right In: 137.212+/-0.031 χ^2/NDF: 5943516.0/23

Left Out: 87.656+/-0.014 χ^2/NDF:1213284.3/24

Right Out: 143.551+/-0.030 χ^2/NDF: 7662630.3/29

Left In: 88.482+/-0.015 χ^2/NDF:1075689.1/22

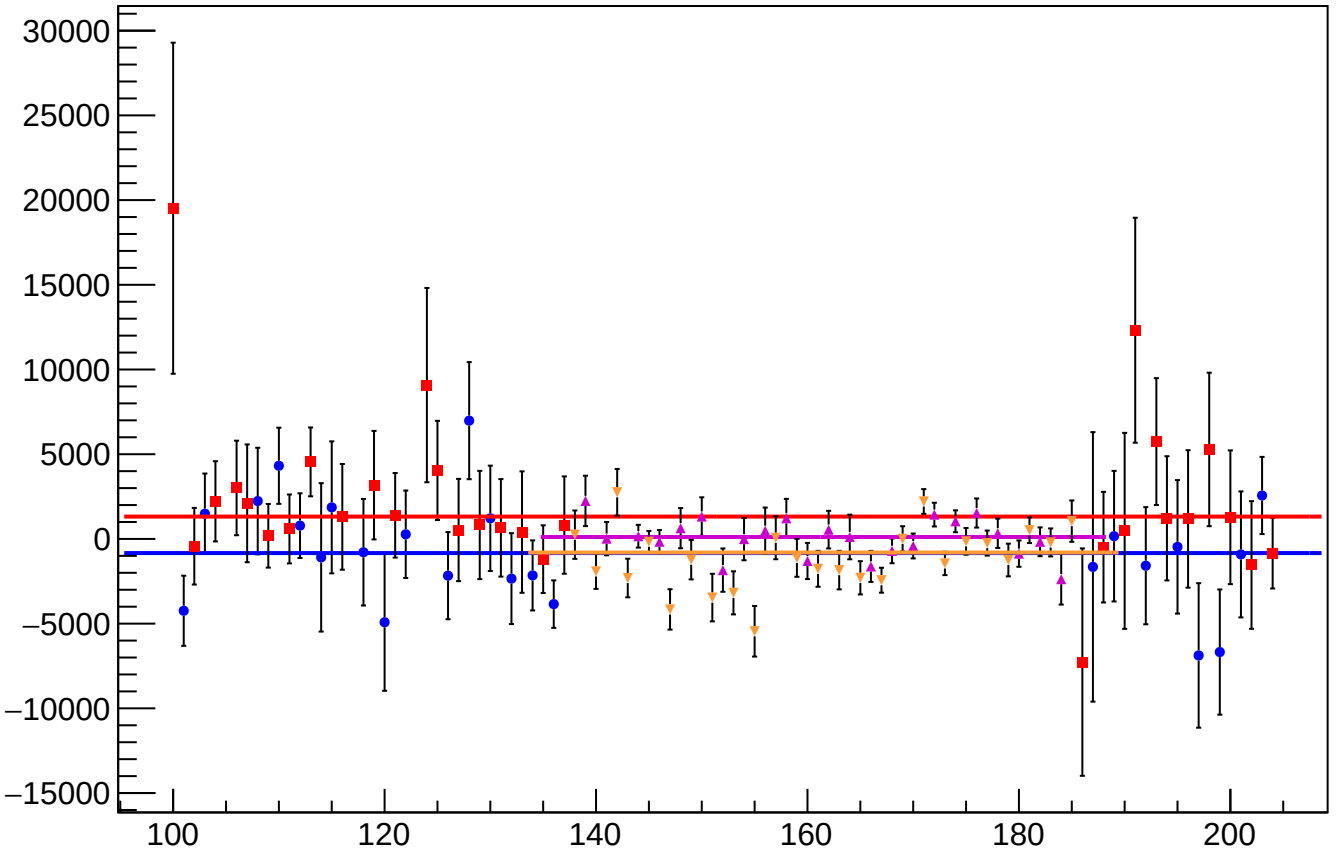
Left: 88.055+/-0.010 χ^2/NDF: 2290553.6/47

Right: 140.426+/-0.022 χ^2/NDF: 13627500.9/53

In: 97.742+/-0.013 χ^2/NDF:9035388.1/46

Out: 97.914+/-0.013 χ^2/NDF:11625350.6/54

All: 97.831+/-0.009 χ^2/NDF: 20660823.4/101



Right In: -835.152+/-553.887 χ^2/NDF: 30.3/23

Left Out: -801.499+/-187.755 χ^2/NDF:71.9/24

Right Out: 1318.829+/-539.394 χ^2/NDF: 21.0/29

Left In: 112.485+/-190.269 χ^2/NDF:27.1/22

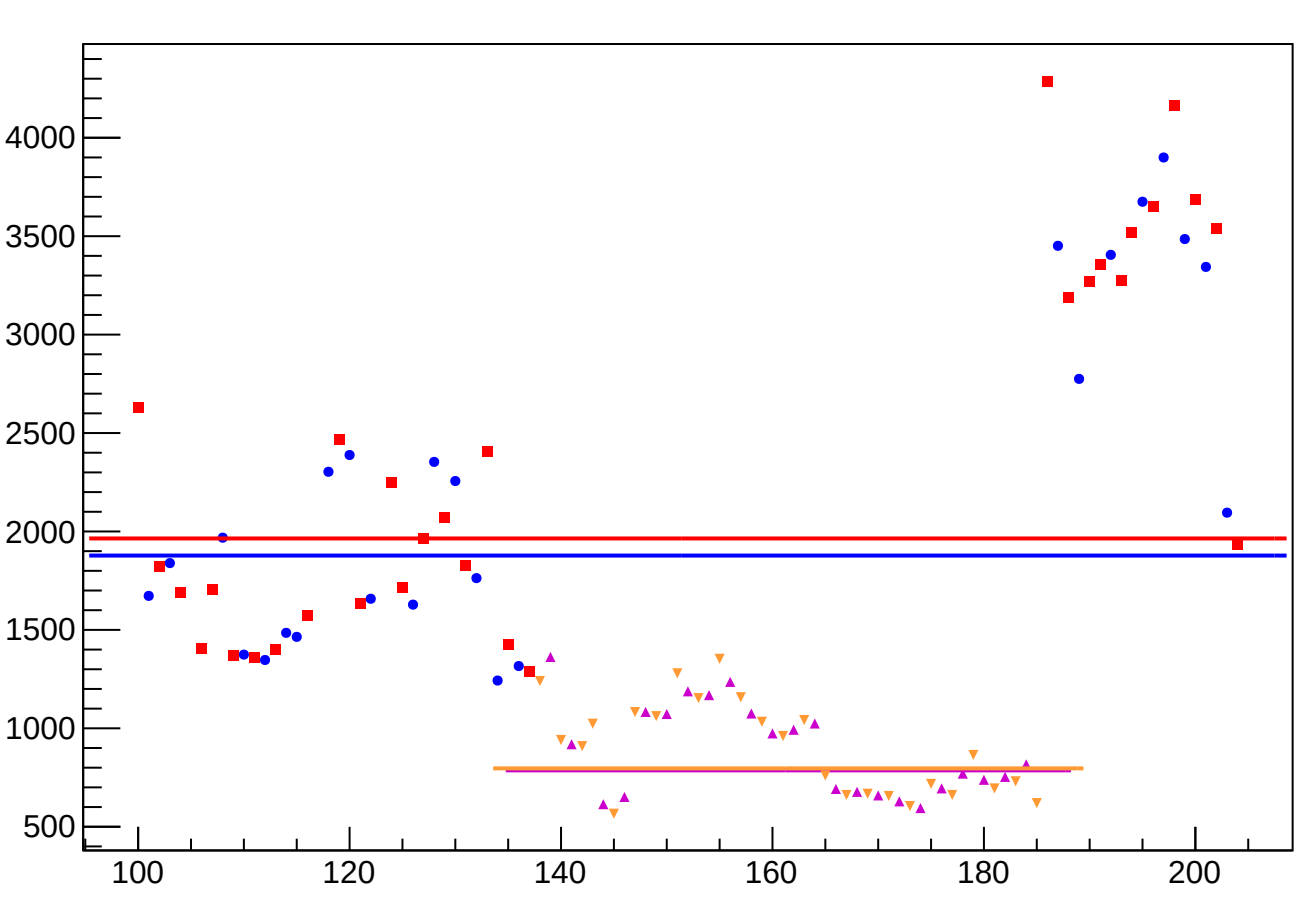
Left: -350.586+/-133.643 χ^2/NDF: 110.6/47

Right: 270.387+/-386.431 χ^2/NDF: 59.1/53

In: 12.463+/-179.948 χ^2/NDF:60.0/46

Out: -572.356+/-177.320 χ^2/NDF:106.7/54

All: -284.249+/-126.303 χ^2/NDF: 172.1/101



Right In: 1877.575+/-0.392 χ^2/NDF: 3147572.0/23

Left Out: 796.523+/-0.133 χ^2/NDF:2417869.7/24

Right Out: 1964.489+/-0.381 χ^2/NDF: 3961082.0/29

Left In: 786.336+/-0.135 χ^2/NDF:2156582.1/22

Left: 791.497+/-0.094 χ^2/NDF: 4577356.9/47

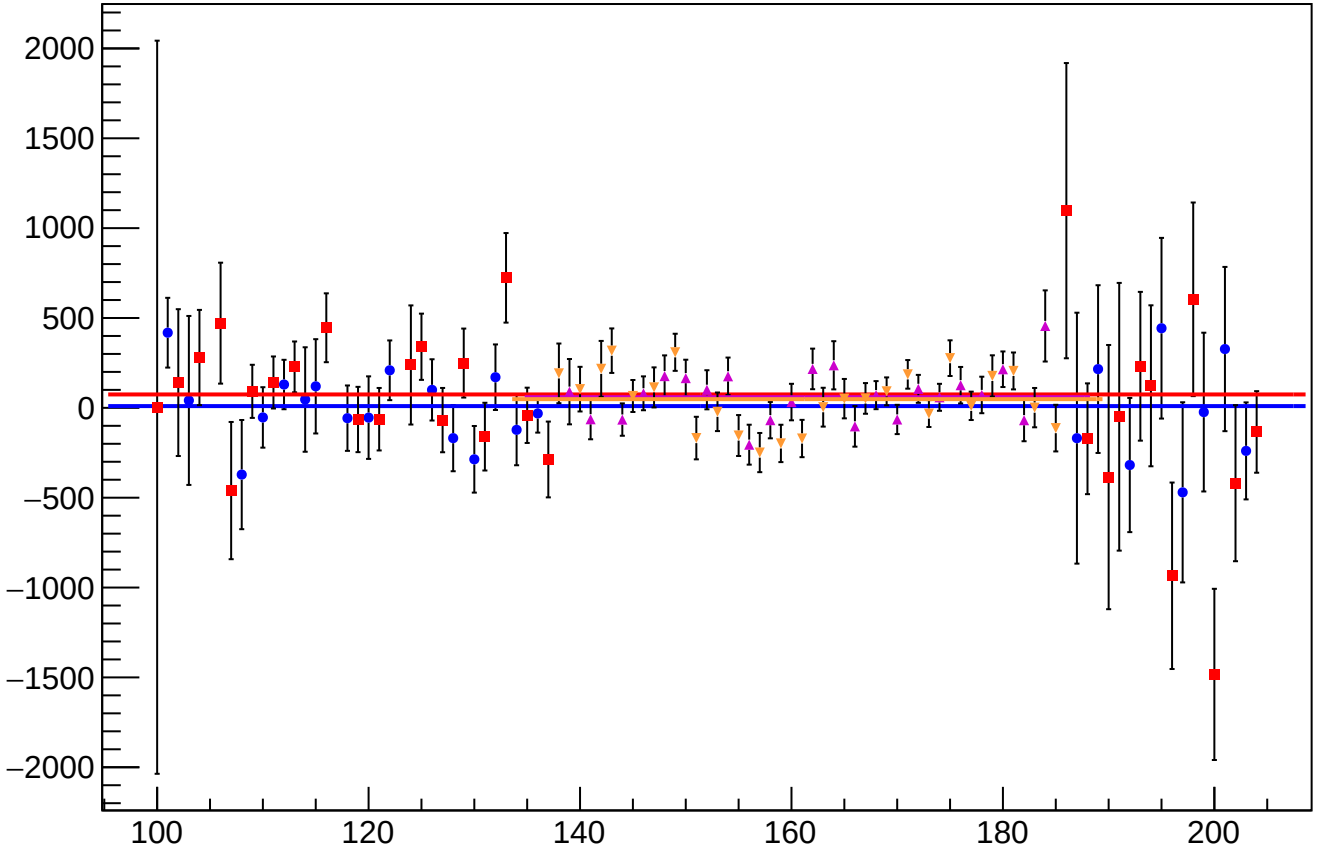
Right: 1922.184+/-0.273 χ^2/NDF: 7133929.2/53

In: 901.515+/-0.127 χ^2/NDF:12247755.3/46

Out: 922.745+/-0.125 χ^2/NDF:14742851.8/54

All: 912.286+/-0.089 χ^2/NDF: 27004730.9/10

eigen_cor_asym_sam3_mean vs Slug, Sign Corrected



Right In: 9.747+/-43.680 χ^2/NDF: 17.9/23

Left Out: 48.399+/-20.423 χ^2/NDF:53.6/24

Right Out: 74.581+/-43.076 χ^2/NDF: 46.3/29

Left In: 59.016+/-21.156 χ^2/NDF:30.6/22

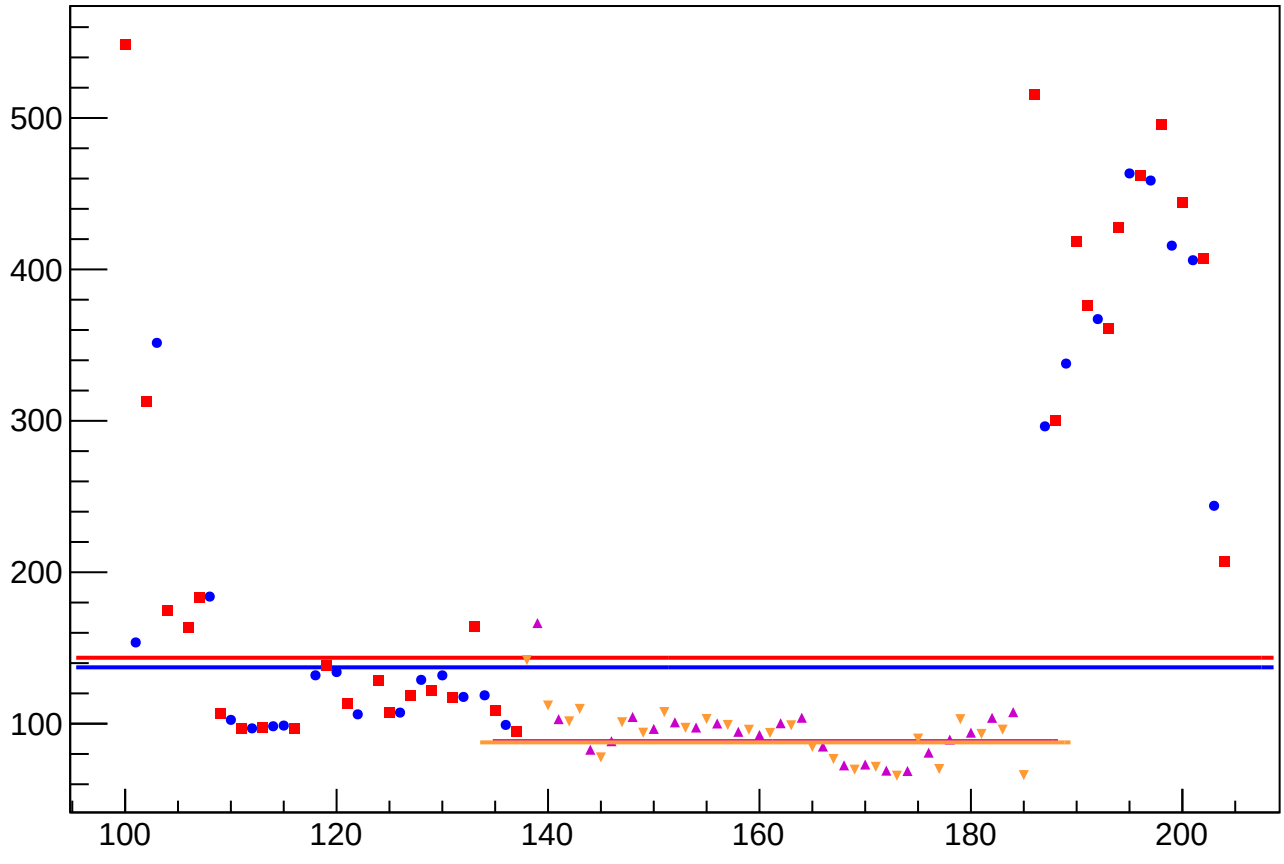
Left: 53.521+/-14.694 χ^2/NDF: 84.3/47

Right: 42.615+/-30.671 χ^2/NDF: 65.4/53

In: 49.655+/-19.040 χ^2/NDF:49.6/46

Out: 53.204+/-18.454 χ^2/NDF:100.2/54

All: 51.485+/-13.251 χ^2/NDF: 149.8/101



Right In: 137.212+/-0.031 χ^2/NDF: 5943516.0/23

Left Out: 87.656+/-0.014 χ^2/NDF:1213284.3/24

Right Out: 143.551+/-0.030 χ^2/NDF: 7662630.3/29

Left In: 88.482+/-0.015 χ^2/NDF:1075689.1/22

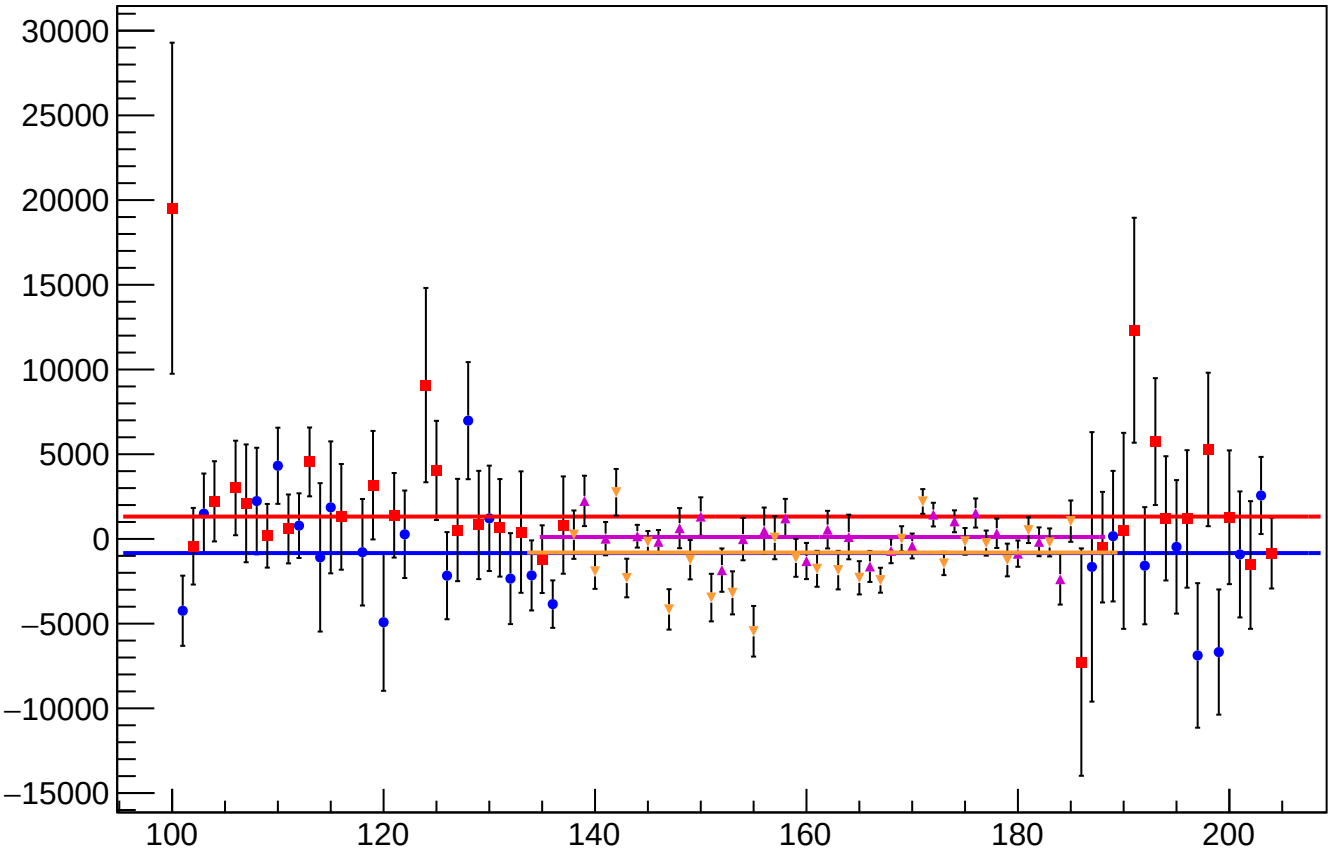
Left: 88.055+/-0.010 χ^2/NDF: 2290553.6/47

Right: 140.426+/-0.022 χ^2/NDF: 13627500.9/53

In: 97.742+/-0.013 χ^2/NDF:9035388.1/46

Out: 97.914+/-0.013 χ^2/NDF:11625350.6/54

All: 97.831+/-0.009 χ^2/NDF: 20660823.4/101



Right In: -835.152+/-553.887 χ^2/NDF: 30.3/23

Left Out: -801.499+/-187.755 χ^2/NDF:71.9/24

Right Out: 1318.829+/-539.394 χ^2/NDF: 21.0/29

Left In: 112.485+/-190.269 χ^2/NDF:27.1/22

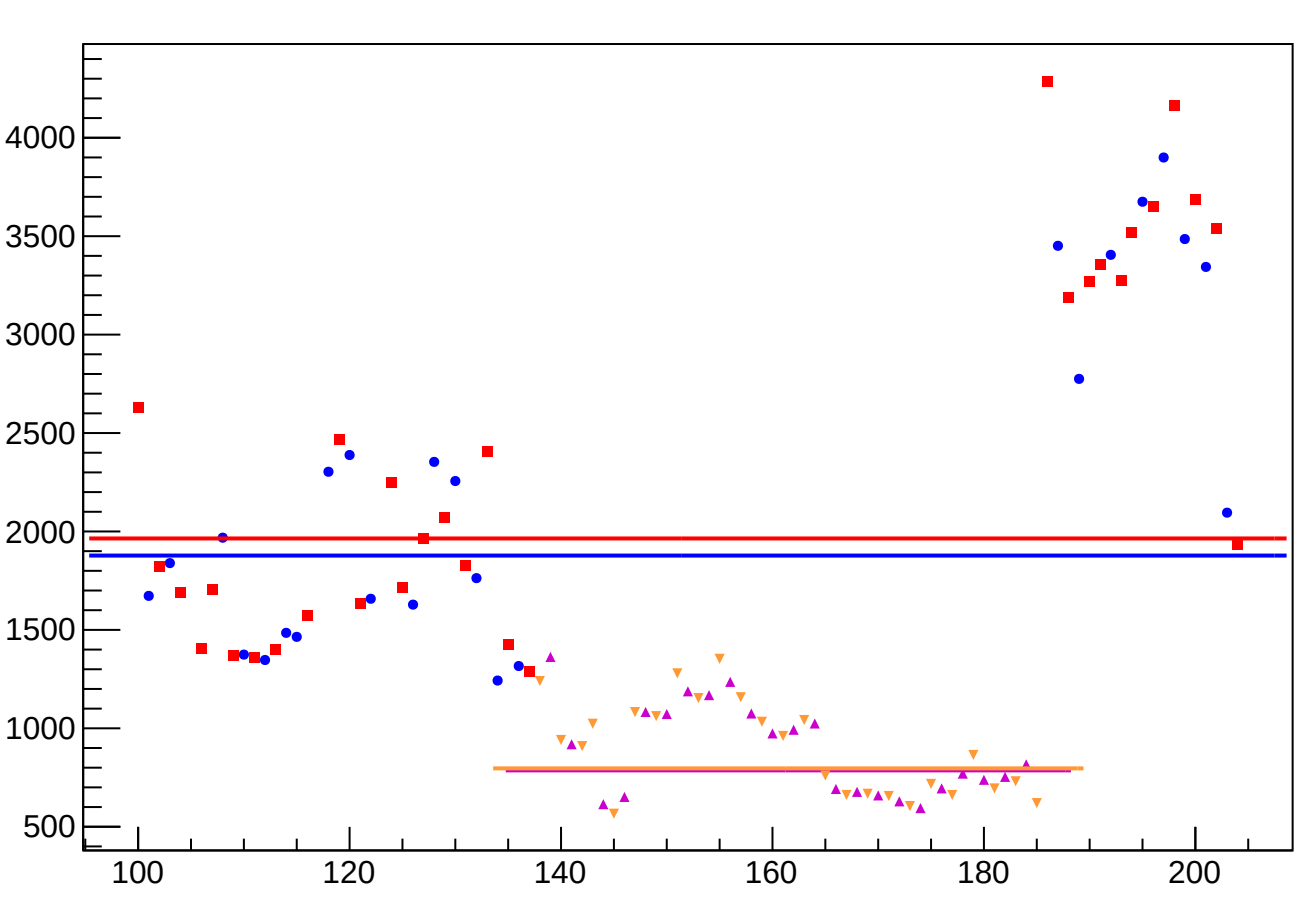
Left: -350.586+/-133.643 χ^2/NDF: 110.6/47

Right: 270.387+/-386.431 χ^2/NDF: 59.1/53

In: 12.463+/-179.948 χ^2/NDF:60.0/46

Out: -572.356+/-177.320 χ^2/NDF:106.7/54

All: -284.249+/-126.303 χ^2/NDF: 172.1/101



Right In: 1877.575+/-0.392 χ^2/NDF: 3147572.0/23

Left Out: 796.523+/-0.133 χ^2/NDF:2417869.7/24

Right Out: 1964.489+/-0.381 χ^2/NDF: 3961082.0/29

Left In: 786.336+/-0.135 χ^2/NDF:2156582.1/22

Left: 791.497+/-0.094 χ^2/NDF: 4577356.9/47

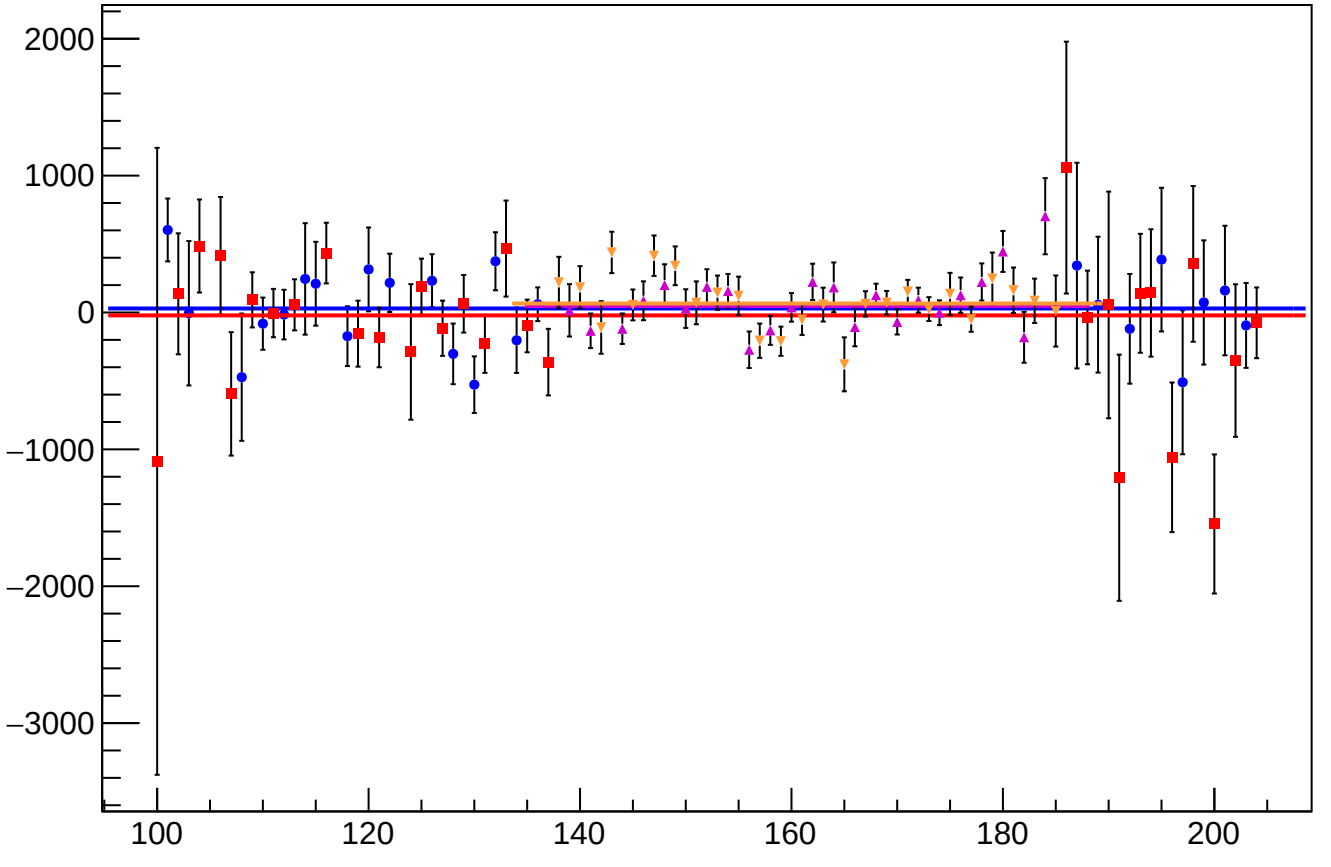
Right: 1922.184+/-0.273 χ^2/NDF: 7133929.2/53

In: 901.515+/-0.127 χ^2/NDF:12247755.3/46

Out: 922.745+/-0.125 χ^2/NDF:14742851.8/54

All: 912.286+/-0.089 χ^2/NDF: 27004730.9/10

dit_asym_sam3_mean vs Slug, Sign Corrected



Right In: 29.268+/-51.937 χ^2/NDF: 27.3/23

Left Out: 65.702+/-25.059 χ^2/NDF:40.0/24

Right Out: -21.216+/-52.079 χ^2/NDF: 34.4/29

Left In: 47.039+/-25.696 χ^2/NDF:38.6/22

Left: 56.605+/-17.941 χ^2/NDF: 78.9/47

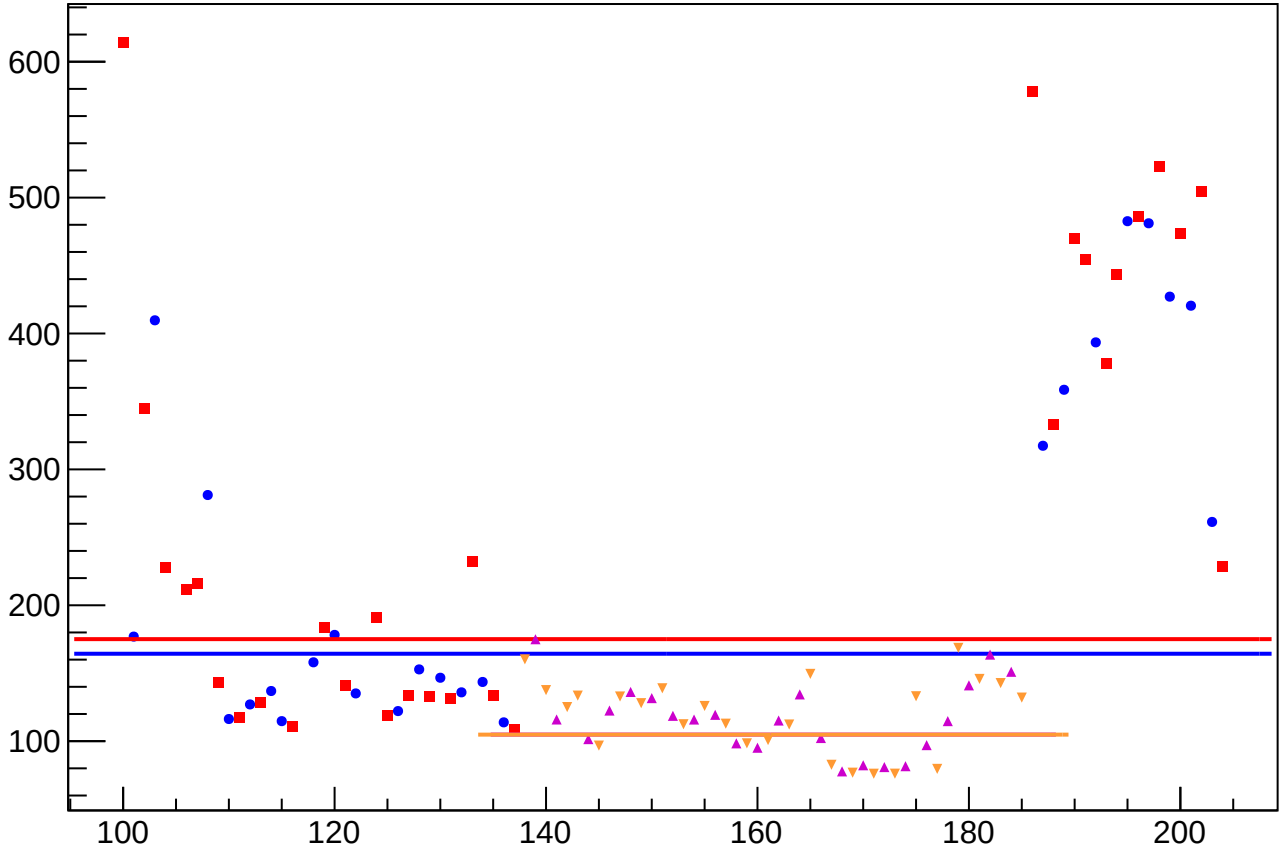
Right: 4.095+/-36.775 χ^2/NDF: 62.1/53

In: 43.544+/-23.031 χ^2/NDF:66.0/46

Out: 49.361+/-22.581 χ^2/NDF:76.7/54

All: 46.510+/-16.124 χ^2/NDF: 142.7/101

dit_asym_sam3_rms vs Slug, Sign Corrected



Right In: 164.336+/-0.037 χ^2/NDF: 5340343.7/23

Left Out: 104.810+/-0.018 χ^2/NDF:2242795.3/24

Right Out: 175.087+/-0.037 χ^2/NDF: 6979827.3/29

Left In: 104.835+/-0.018 χ^2/NDF:1614476.5/22

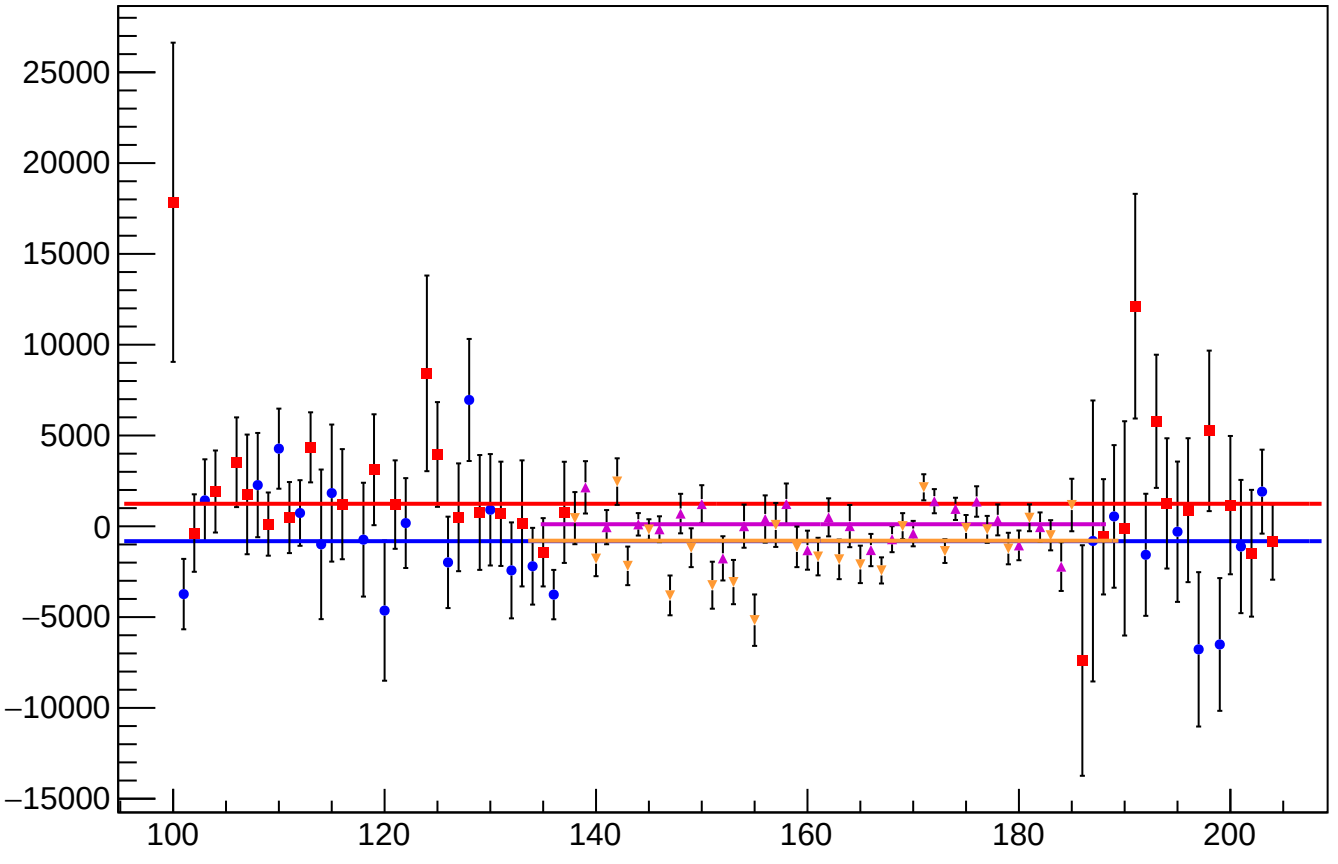
Left: 104.822+/-0.013 χ^2/NDF: 3857272.7/47

Right: 169.697+/-0.026 χ^2/NDF: 12362907.3/53

In: 116.535+/-0.016 χ^2/NDF:9063603.3/46

Out: 118.022+/-0.016 χ^2/NDF:12179911.1/54

All: 117.294+/-0.011 χ^2/NDF: 21247766.4/10



Right In: -819.223+/-538.713 χ^2/NDF: 29.5/23

Left Out: -793.070+/-179.897 χ^2/NDF:70.0/24

Right Out: 1240.177+/-516.898 χ^2/NDF: 22.9/29

Left In: 113.680+/-183.126 χ^2/NDF:26.3/22

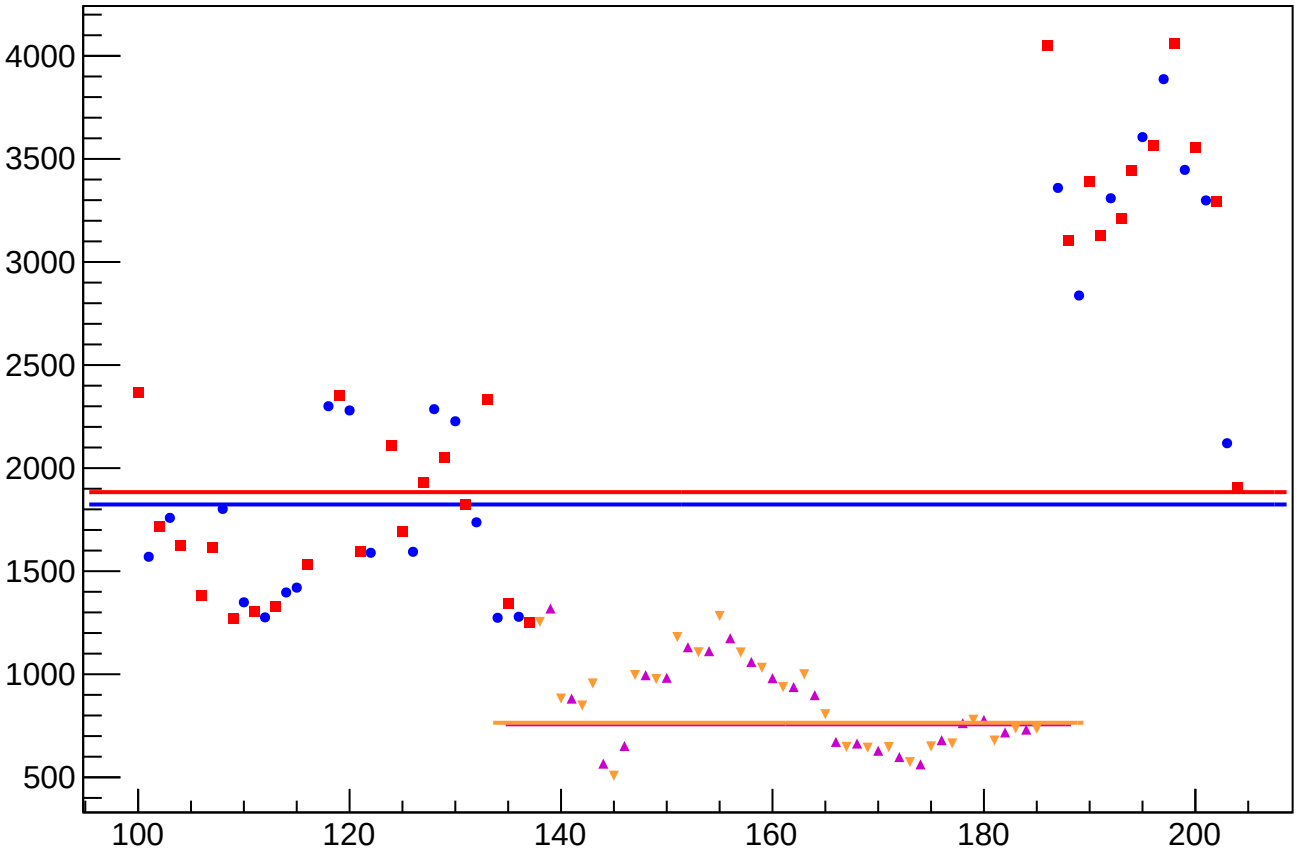
Left: -347.760+/-128.333 χ^2/NDF: 108.8/47

Right: 253.016+/-372.976 χ^2/NDF: 60.0/53

In: 17.046+/-173.382 χ^2/NDF:58.4/46

Out: -573.400+/-169.901 χ^2/NDF:106.7/54

All: -284.164+/-121.350 χ^2/NDF: 171.1/101



Right In: 1823.603+/-0.381 χ^2/NDF: 3247341.1/23

Left Out: 764.734+/-0.127 χ^2/NDF:2425556.5/24

Right Out: 1883.493+/-0.366 χ^2/NDF: 4090552.9/29

Left In: 756.927+/-0.129 χ^2/NDF:2115280.1/22

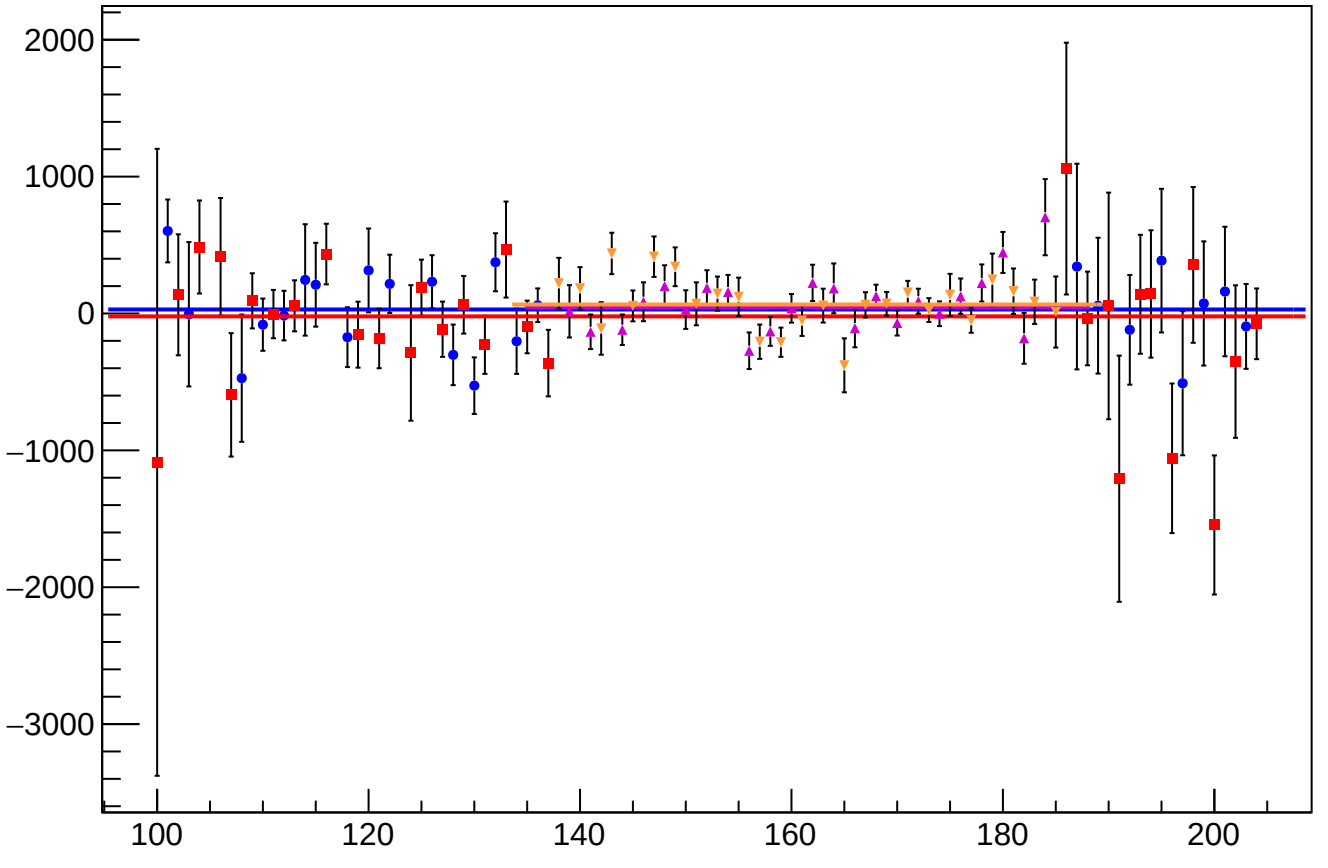
Left: 760.900+/-0.091 χ^2/NDF: 4542686.7/47

Right: 1854.785+/-0.264 χ^2/NDF: 7350763.9/53

In: 867.417+/-0.123 χ^2/NDF:12391576.5/46

Out: 885.604+/-0.120 χ^2/NDF:14872881.8/54

All: 876.695+/-0.086 χ^2/NDF: 27275683.8/10



Right In: 29.267+/-51.937 χ^2/NDF: 27.3/23

Left Out: 65.703+/-25.059 χ^2/NDF:40.0/24

Right Out: -21.219+/-52.079 χ^2/NDF: 34.4/29

Left In: 47.038+/-25.696 χ^2/NDF:38.6/22

Left: 56.604+/-17.941 χ^2/NDF: 78.9/47

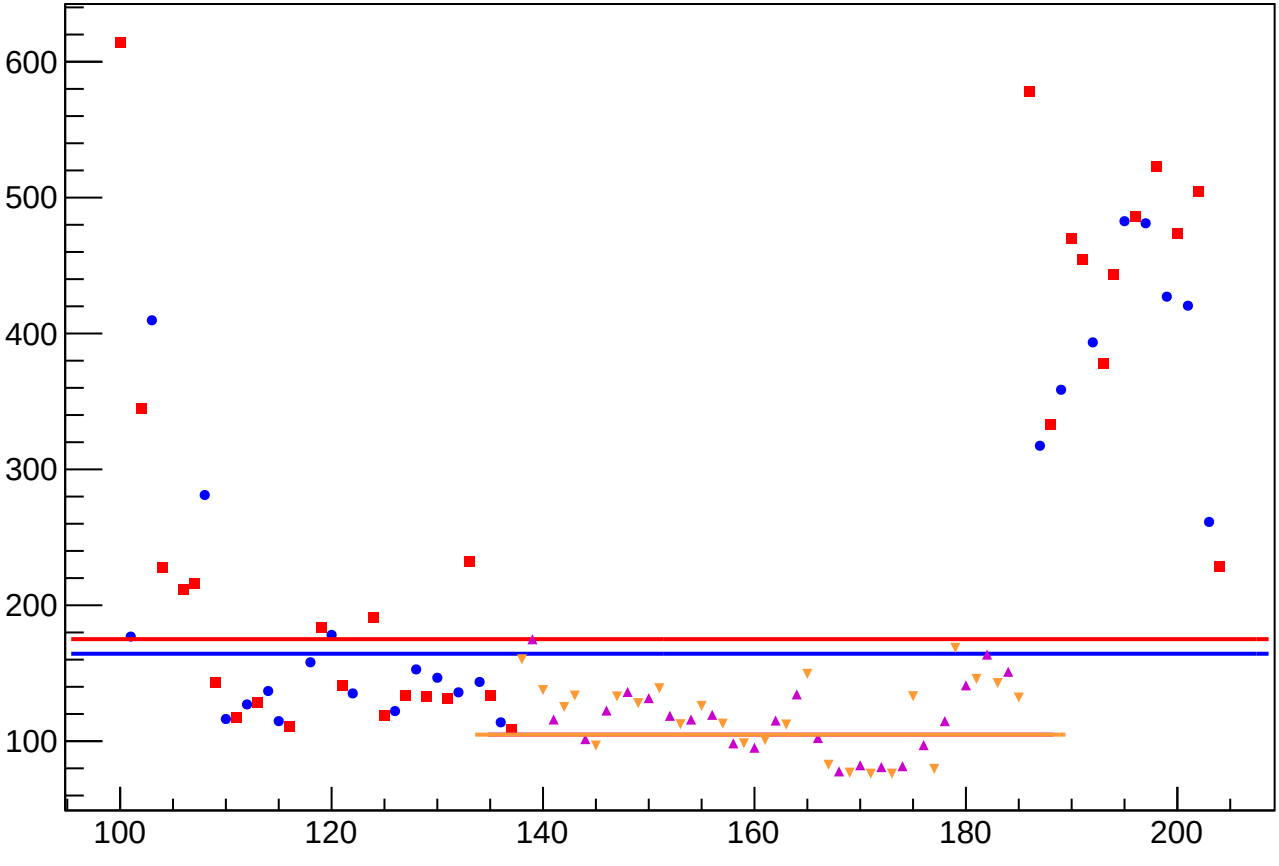
Right: 4.093+/-36.775 χ^2/NDF: 62.1/53

In: 43.543+/-23.032 χ^2/NDF:66.0/46

Out: 49.361+/-22.581 χ^2/NDF:76.7/54

All: 46.510+/-16.124 χ^2/NDF: 142.7/101

eigen_dit_asym_sam3_rms vs Slug, Sign Corrected



Right In: 164.336+/-0.037 χ^2/NDF: 5340338.8/23

Left Out: 104.810+/-0.018 χ^2/NDF:2242815.0/24

Right Out: 175.088+/-0.037 χ^2/NDF: 6979815.6/29

Left In: 104.835+/-0.018 χ^2/NDF:1614484.2/22

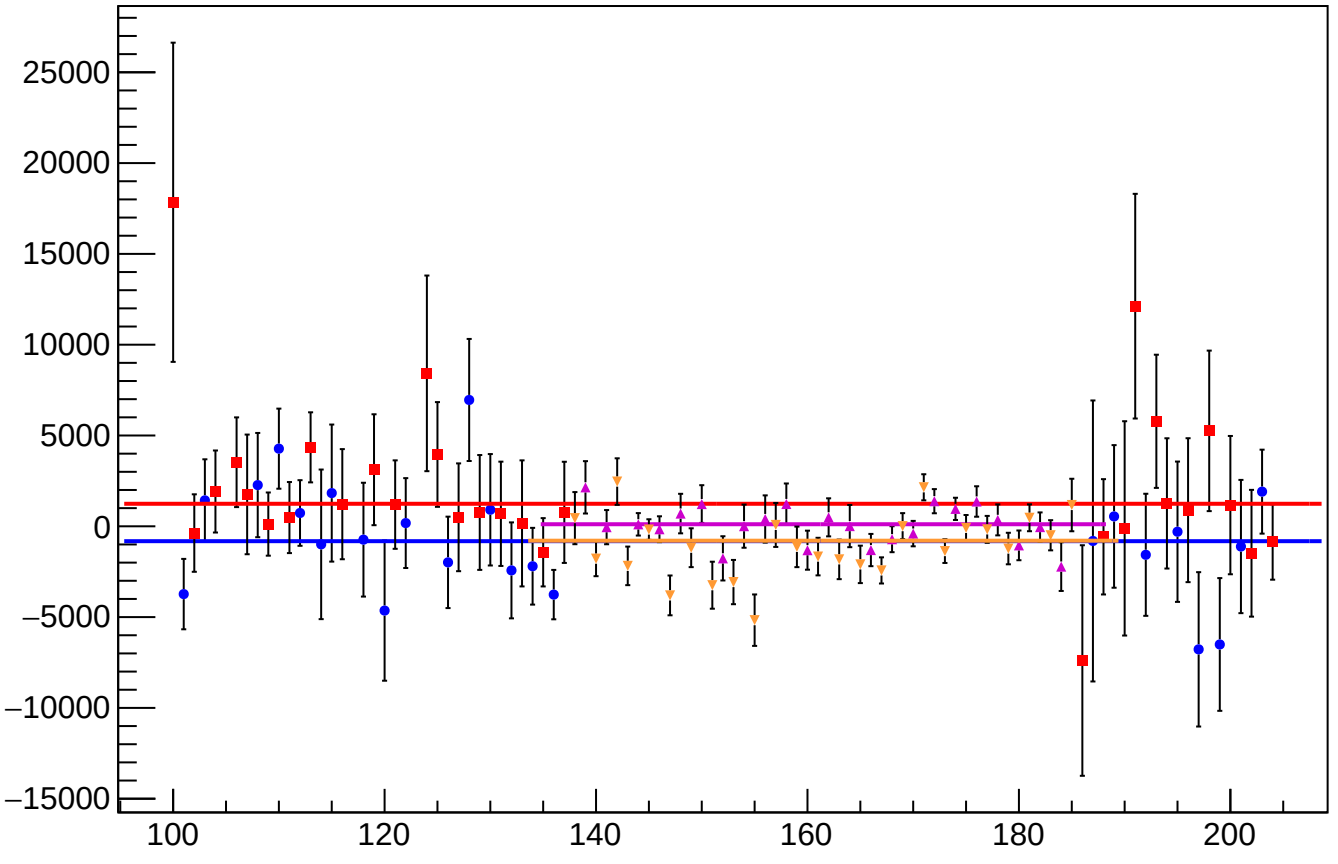
Left: 104.822+/-0.013 χ^2/NDF: 3857300.1/47

Right: 169.698+/-0.026 χ^2/NDF: 12362892.6/53

In: 116.536+/-0.016 χ^2/NDF:9063600.2/46

Out: 118.023+/-0.016 χ^2/NDF:12179923.0/54

All: 117.294+/-0.011 χ^2/NDF: 21247775.6/10



Right In: -819.221+/-538.712 χ^2/NDF: 29.5/23

Left Out: -793.071+/-179.896 χ^2/NDF:70.0/24

Right Out: 1240.176+/-516.898 χ^2/NDF: 22.9/29

Left In: 113.680+/-183.125 χ^2/NDF:26.3/22

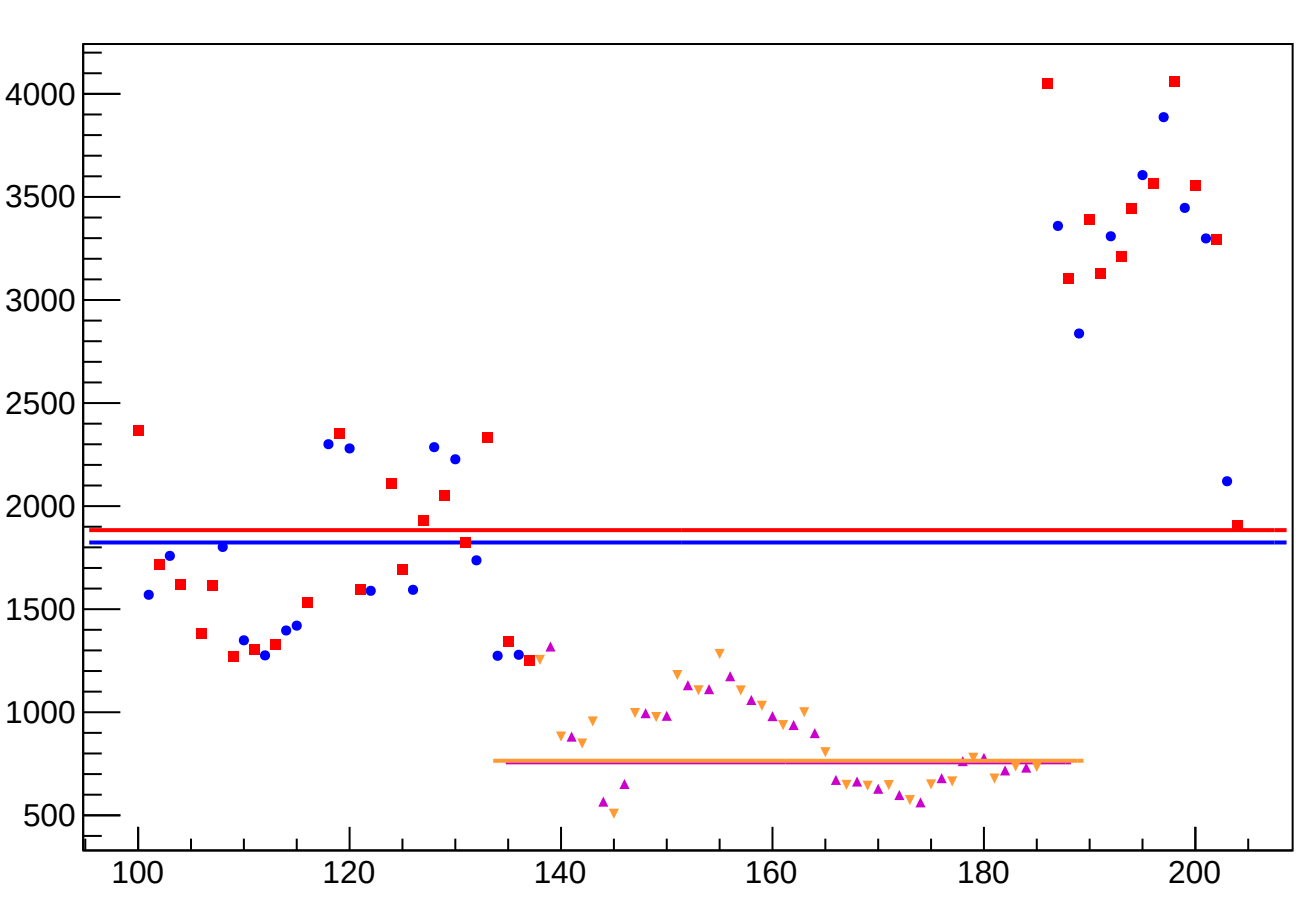
Left: -347.761+/-128.332 χ^2/NDF: 108.8/47

Right: 253.017+/-372.975 χ^2/NDF: 60.0/53

In: 17.046+/-173.382 χ^2/NDF:58.4/46

Out: -573.401+/-169.901 χ^2/NDF:106.7/54

All: -284.164+/-121.350 χ^2/NDF: 171.1/101



Right In: 1823.601+/-0.381 χ^2/NDF: 3247340.1/23

Left Out: 764.734+/-0.127 χ^2/NDF:2425549.9/24

Right Out: 1883.491+/-0.366 χ^2/NDF: 4090553.7/29

Left In: 756.926+/-0.129 χ^2/NDF:2115275.0/22

Left: 760.899+/-0.091 χ^2/NDF: 4542675.0/47

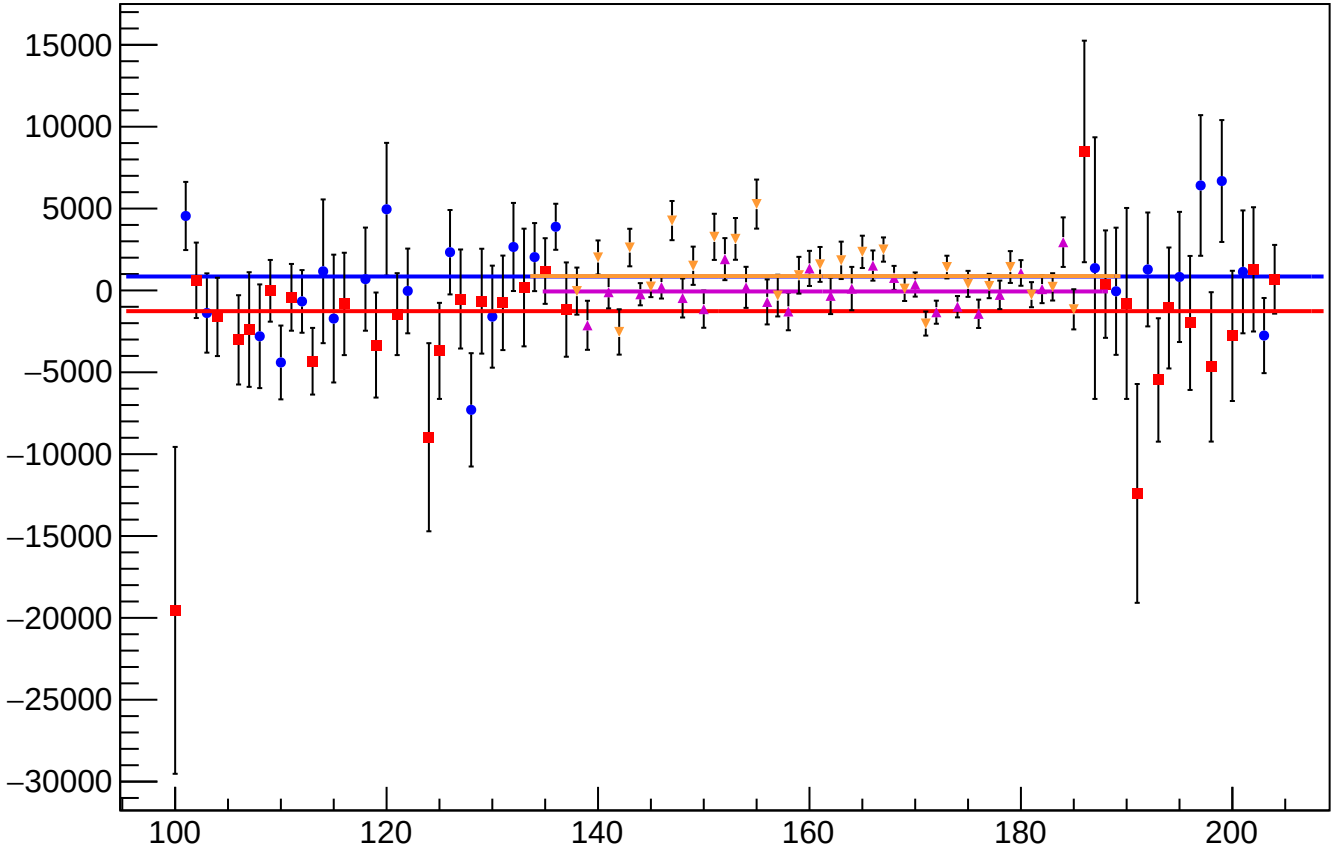
Right: 1854.783+/-0.264 χ^2/NDF: 7350763.4/53

In: 867.417+/-0.123 χ^2/NDF:12391569.7/46

Out: 885.603+/-0.120 χ^2/NDF:14872869.1/54

All: 876.694+/-0.086 χ^2/NDF: 27275664.5/10

asym_sam3_mean vs Slug, Sign Corrected



Right In: 850.722+/-556.695 χ^2/NDF: 31.6/23

Left Out: 876.482+/-188.998 χ^2/NDF:67.3/24

Right Out: -1266.143+/-541.580 χ^2/NDF: 20.5/29

Left In: -62.754+/-191.596 χ^2/NDF:27.1/22

Left: 413.275+/-134.551 χ^2/NDF: 106.6/47

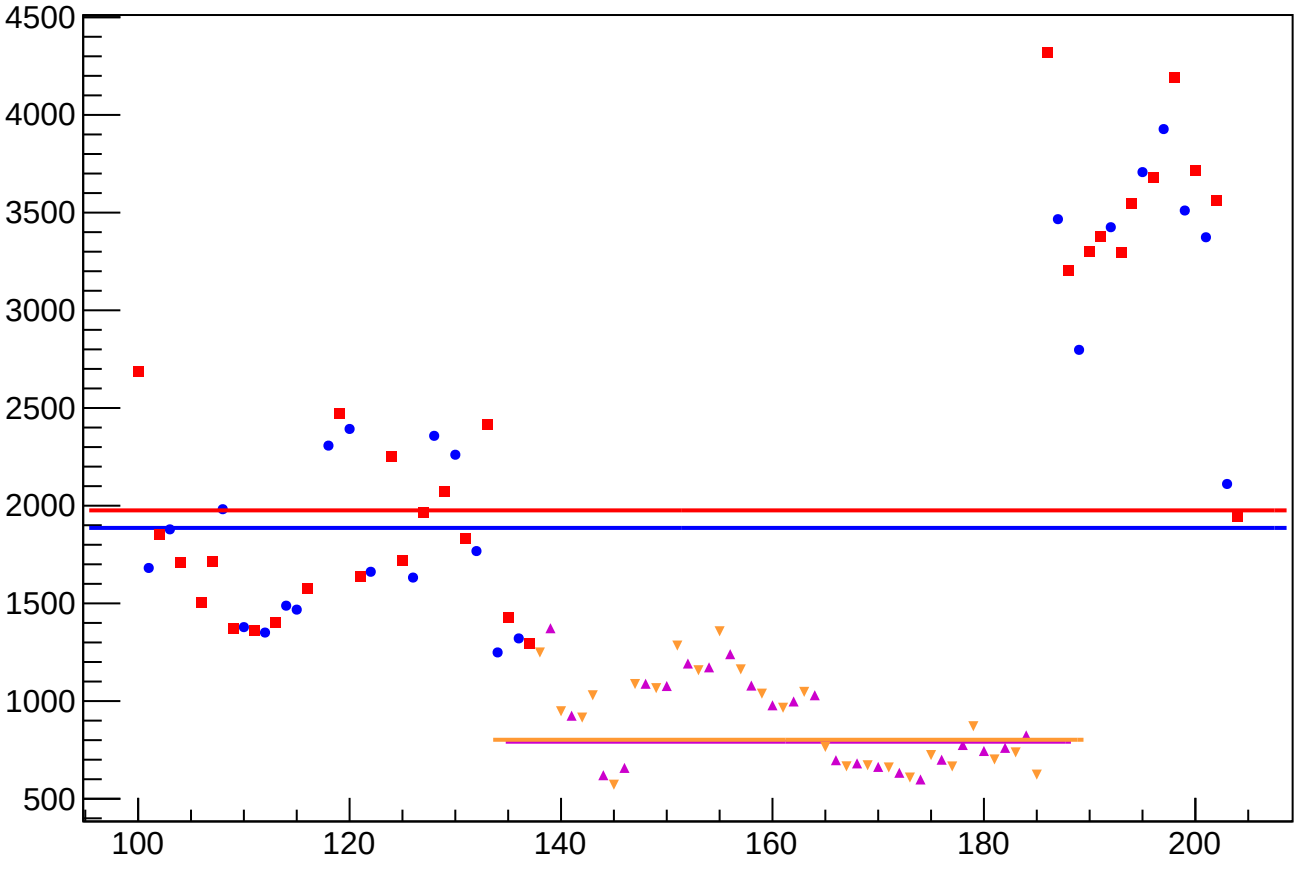
Right: -236.839+/-388.188 χ^2/NDF: 59.5/53

In: 33.989+/-181.167 χ^2/NDF:61.1/46

Out: 643.872+/-178.445 χ^2/NDF:101.7/54

All: 343.547+/-127.131 χ^2/NDF: 168.6/101

asym_sam3_rms vs Slug, Sign Corrected



Right In: 1886.269+/-0.394 χ^2/NDF: 3167067.7/23

Left Out: 802.014+/-0.134 χ^2/NDF:2396024.4/24

Right Out: 1976.000+/-0.383 χ^2/NDF: 3963577.6/29

Left In: 792.060+/-0.135 χ^2/NDF:2135575.6/22

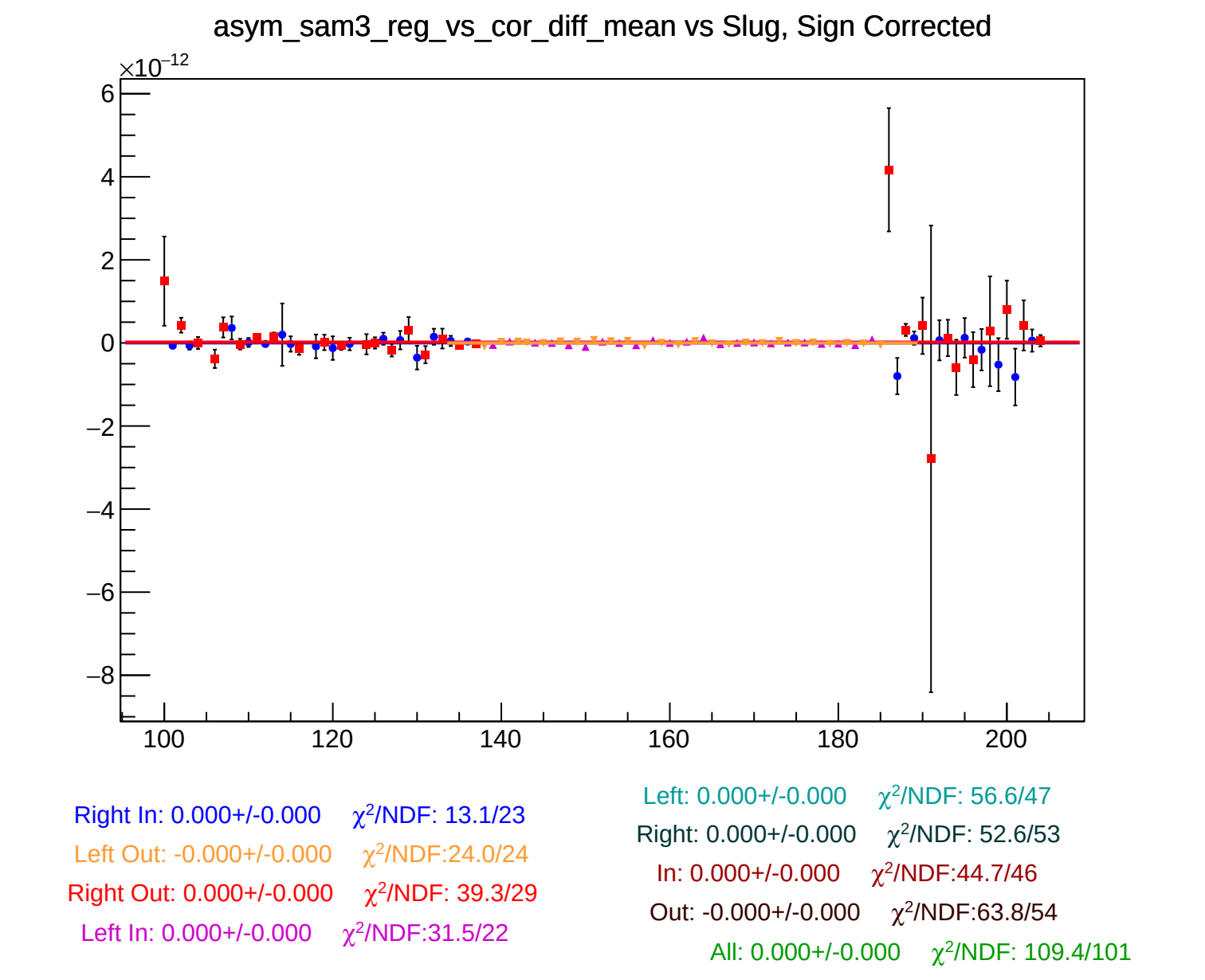
Left: 797.105+/-0.095 χ^2/NDF: 4534335.9/47

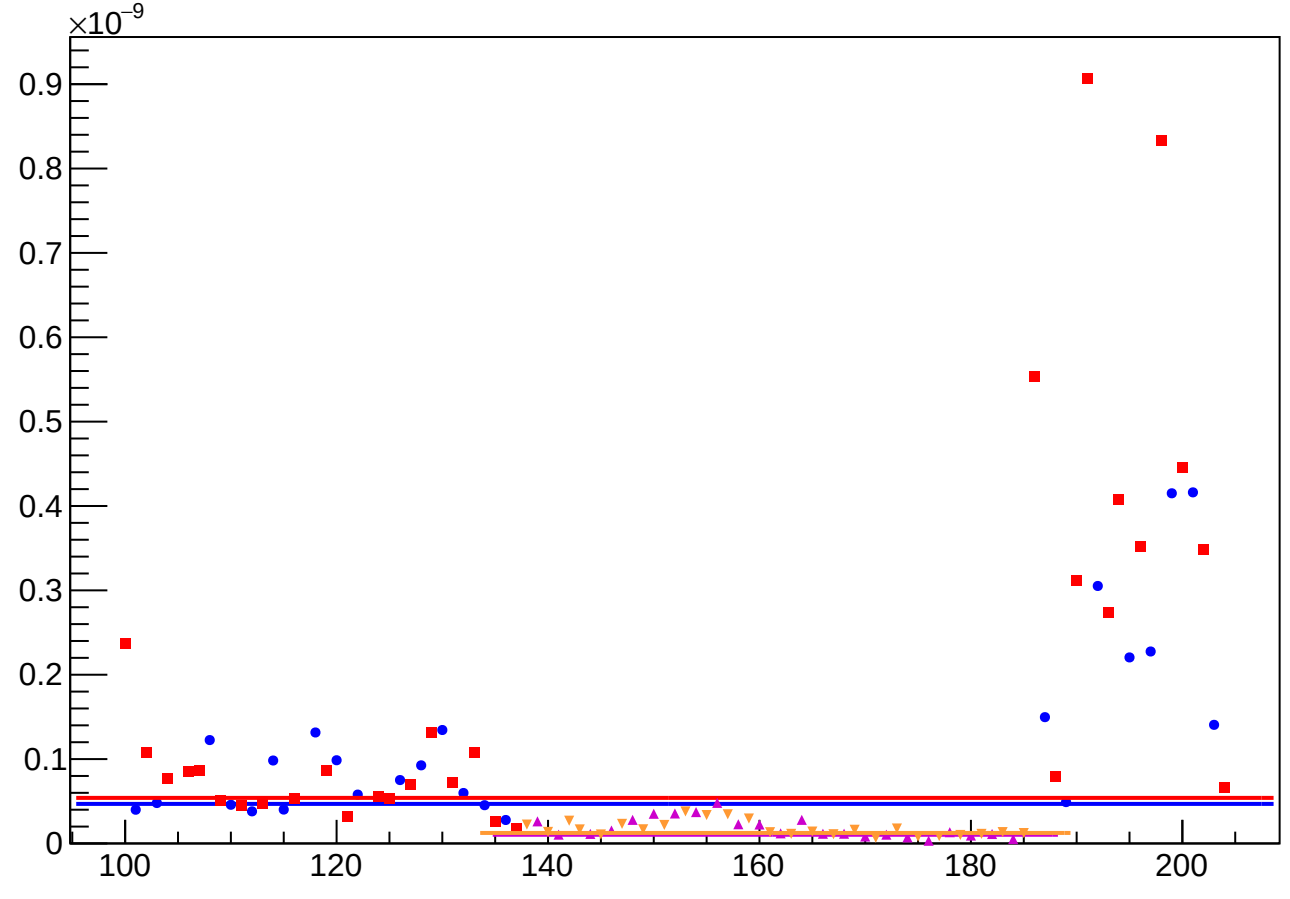
Right: 1932.369+/-0.274 χ^2/NDF: 7157341.2/53

In: 907.944+/-0.128 χ^2/NDF:12211062.2/46

Out: 929.466+/-0.126 χ^2/NDF:14737249.4/54

All: 918.868+/-0.090 χ^2/NDF: 26962637.3/10


asym_sam3_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
6
4
2
0
−2
−4
−6
−8
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 13.1/23
Left Out: -0.000+/-0.000 χ²/NDF:24.0/24
Right Out: 0.000+/-0.000 χ²/NDF: 39.3/29
Left In: 0.000+/-0.000 χ²/NDF:31.5/22
Left: 0.000+/-0.000 χ²/NDF: 56.6/47
Right: 0.000+/-0.000 χ²/NDF: 52.6/53
In: 0.000+/-0.000 χ²/NDF:44.7/46
Out: -0.000+/-0.000 χ²/NDF:63.8/54
All: 0.000+/-0.000 χ²/NDF: 109.4/101



Right In: 0.000+/-0.000 χ^2/NDF: 3912146.5/23

Left Out: 0.000+/-0.000 χ^2/NDF:2214354.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5422036.8/29

Left In: 0.000+/-0.000 χ^2/NDF:3679061.1/22

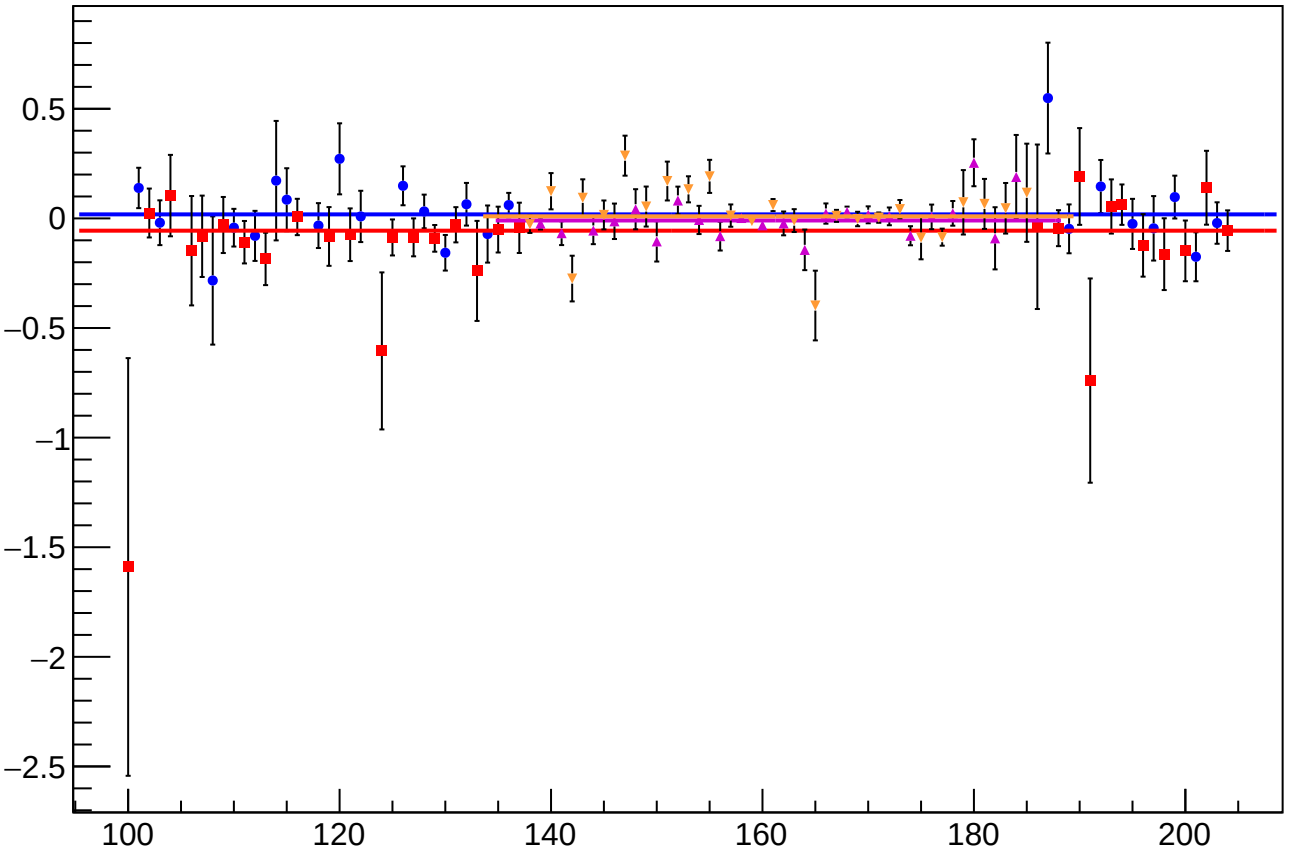
Left: 0.000+/-0.000 χ^2/NDF: 6061170.6/47

Right: 0.000+/-0.000 χ^2/NDF: 9400727.7/53

In: 0.000+/-0.000 χ^2/NDF:11269342.2/46

Out: 0.000+/-0.000 χ^2/NDF:11659405.8/54

All: 0.000+/-0.000 χ^2/NDF: 23137787.9/101



Right In: 0.018+/-0.021 χ^2/NDF: 25.5/23

Left Out: 0.010+/-0.008 χ^2/NDF:54.6/24

Right Out: -0.056+/-0.021 χ^2/NDF: 18.2/29

Left In: -0.009+/-0.008 χ^2/NDF:25.2/22

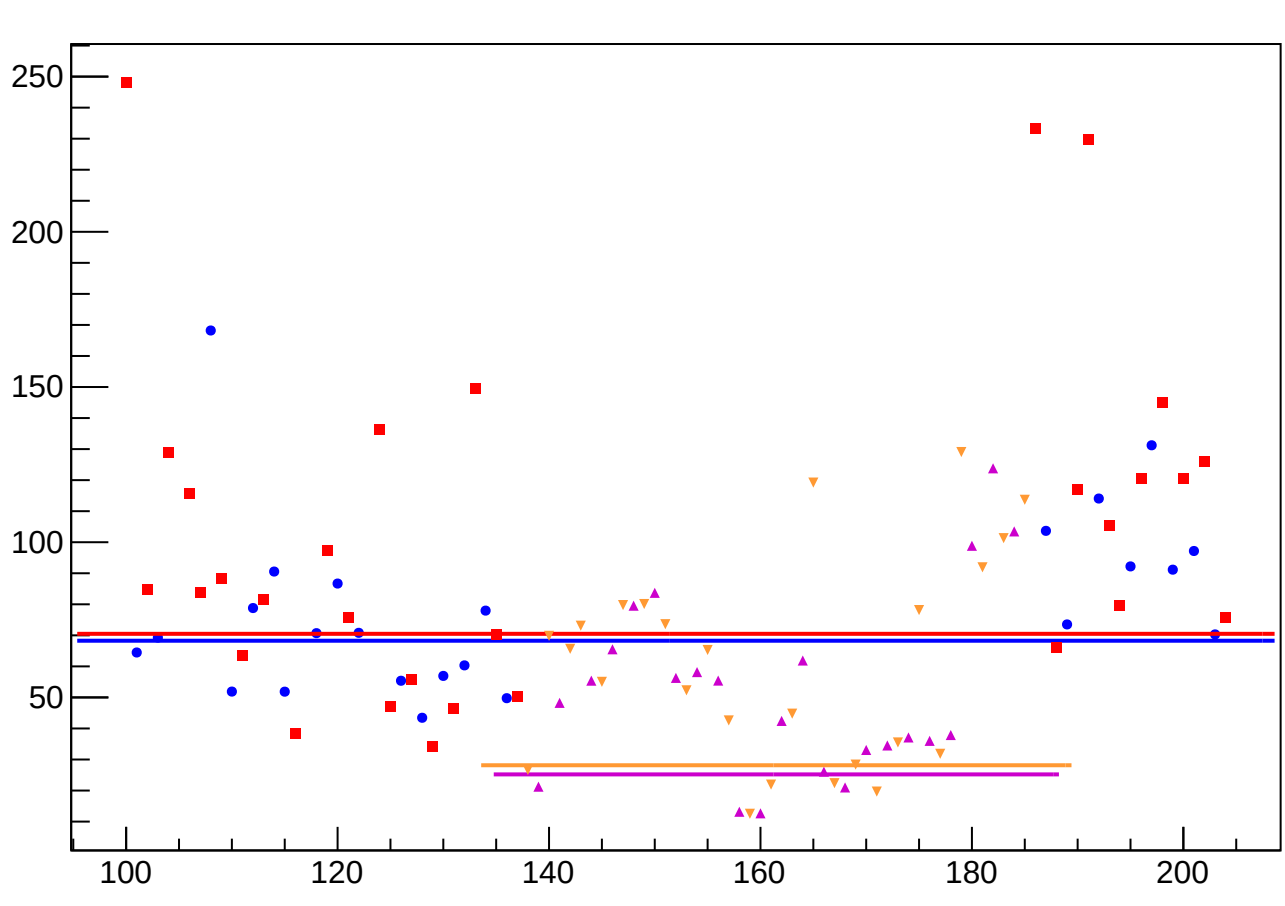
Left: -0.001+/-0.006 χ^2/NDF: 82.5/47

Right: -0.019+/-0.015 χ^2/NDF: 49.9/53

In: -0.006+/-0.007 χ^2/NDF:52.2/46

Out: 0.001+/-0.008 χ^2/NDF:81.1/54

All: -0.003+/-0.005 χ^2/NDF: 133.7/101



Right In: 68.267+/-0.015 χ^2/NDF: 1960321.5/23

Left Out: 28.151+/-0.006 χ^2/NDF:11070747.0/24

Right Out: 70.491+/-0.015 χ^2/NDF: 4332979.9/29

Left In: 25.206+/-0.006 χ^2/NDF:9964049.2/22

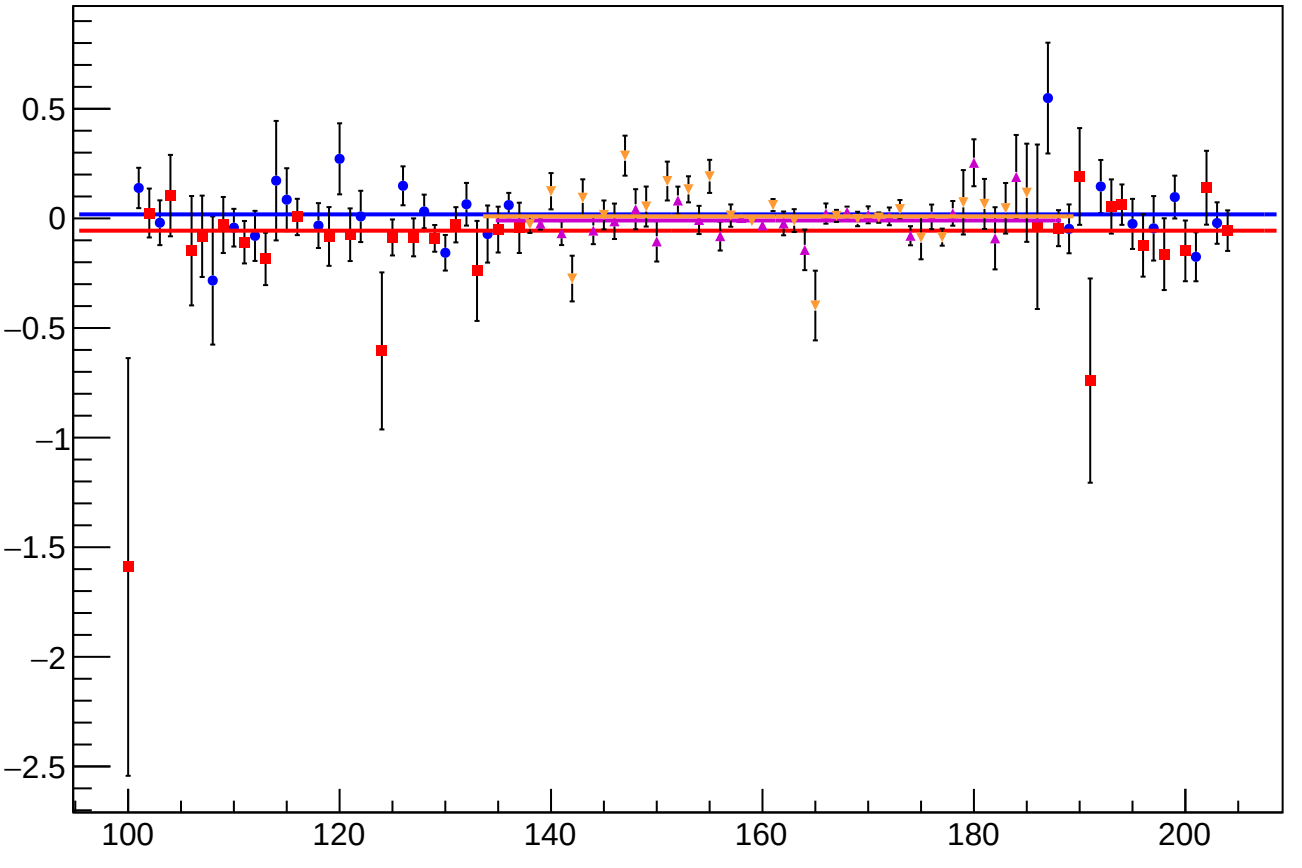
Left: 26.582+/-0.004 χ^2/NDF: 21163962.5/47

Right: 69.377+/-0.011 χ^2/NDF: 6304300.5/53

In: 30.488+/-0.005 χ^2/NDF:19169104.7/46

Out: 33.953+/-0.006 χ^2/NDF:22271804.5/54

All: 32.122+/-0.004 χ^2/NDF: 41646489.3/101



Right In: 0.018+/-0.021 χ^2/NDF: 25.5/23

Left Out: 0.010+/-0.008 χ^2/NDF:54.6/24

Right Out: -0.056+/-0.021 χ^2/NDF: 18.2/29

Left In: -0.009+/-0.008 χ^2/NDF:25.2/22

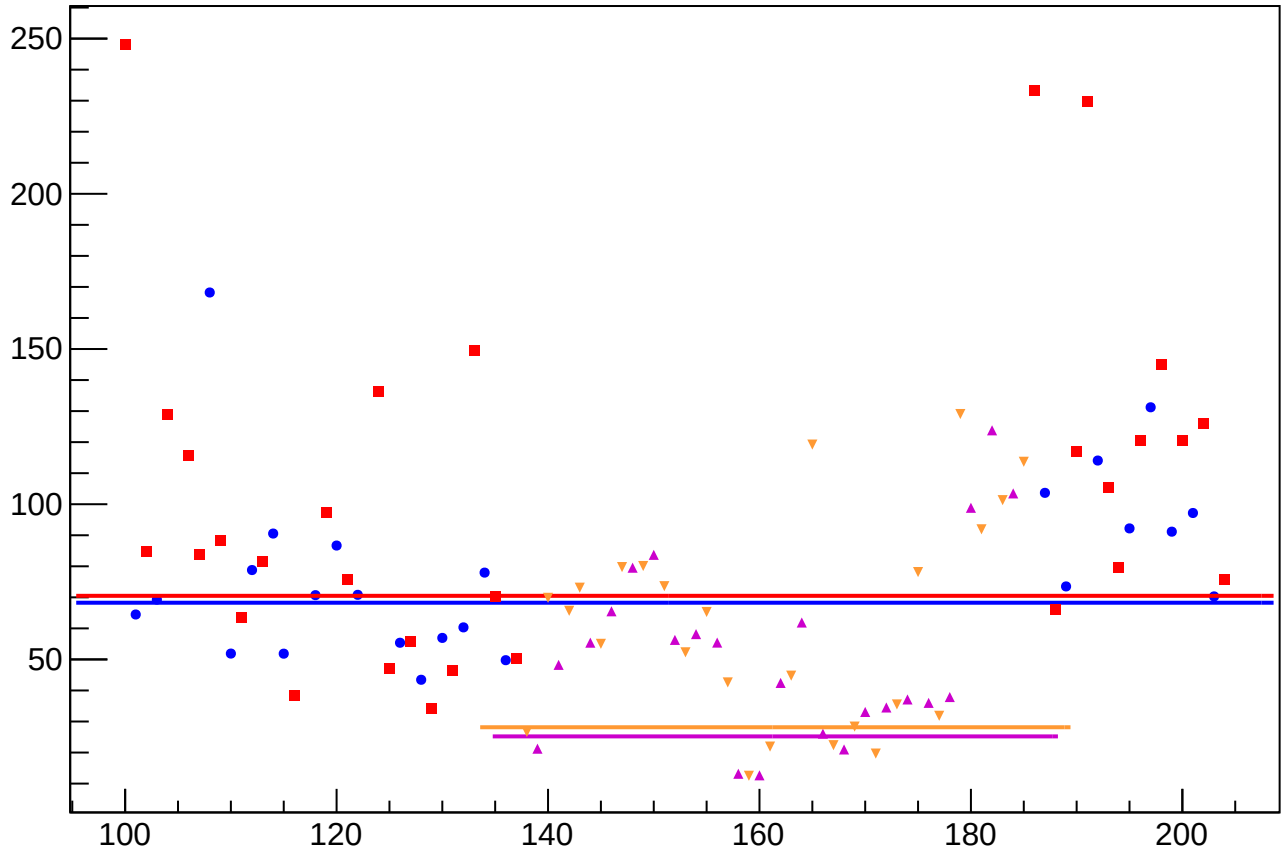
Left: -0.001+/-0.006 χ^2/NDF: 82.5/47

Right: -0.019+/-0.015 χ^2/NDF: 49.9/53

In: -0.006+/-0.007 χ^2/NDF:52.2/46

Out: 0.001+/-0.008 χ^2/NDF:81.1/54

All: -0.003+/-0.005 χ^2/NDF: 133.7/101



Right In: 68.267+/-0.015 χ^2/NDF: 1960321.5/23

Left Out: 28.151+/-0.006 χ^2/NDF:11070747.0/24

Right Out: 70.491+/-0.015 χ^2/NDF: 4332979.9/29

Left In: 25.206+/-0.006 χ^2/NDF:9964049.2/22

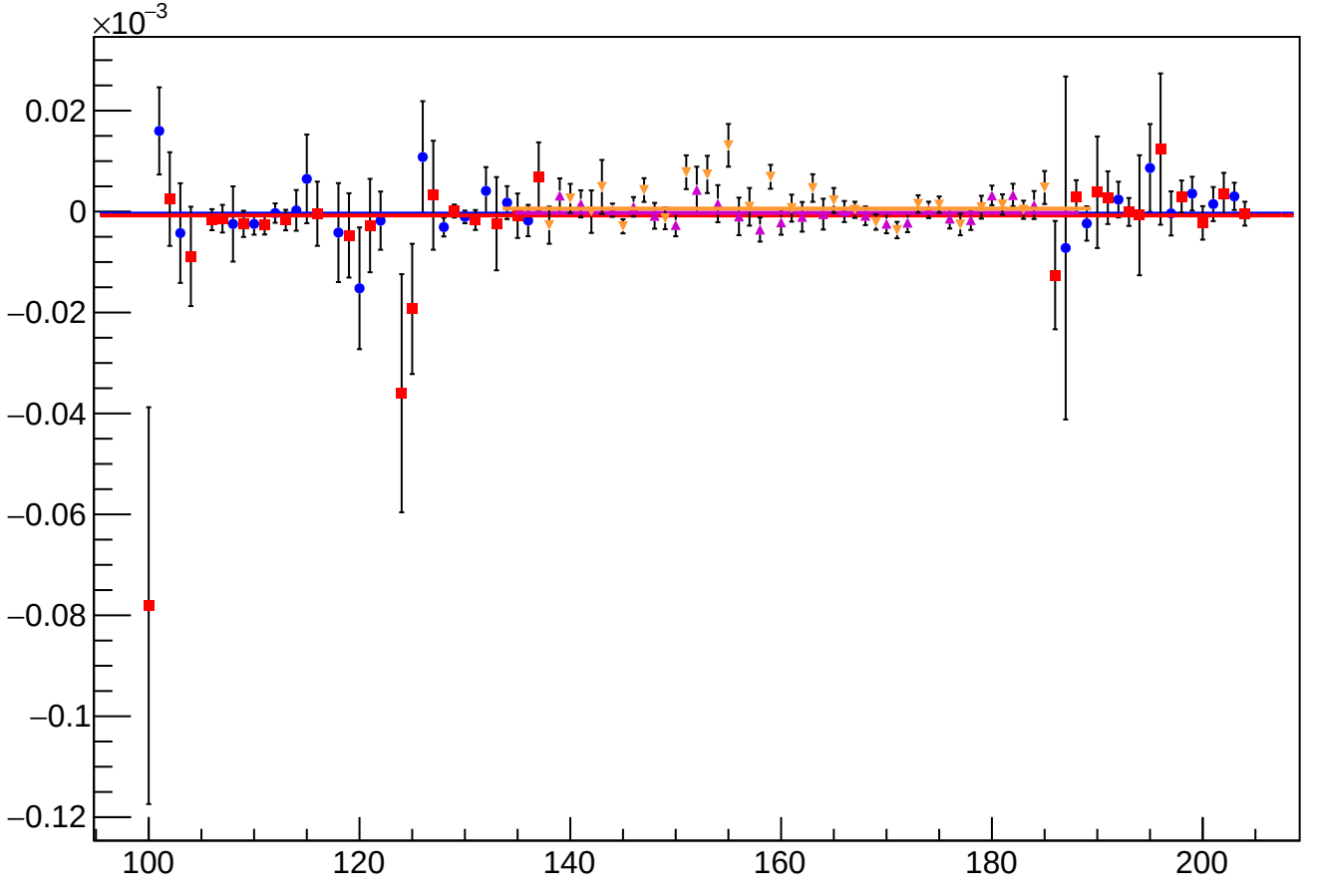
Left: 26.582+/-0.004 χ^2/NDF: 21163962.5/47

Right: 69.377+/-0.011 χ^2/NDF: 6304300.5/53

In: 30.488+/-0.005 χ^2/NDF:19169104.7/46

Out: 33.953+/-0.006 χ^2/NDF:22271804.5/54

All: 32.122+/-0.004 χ^2/NDF: 41646489.3/101



Right In: -0.000+/-0.000 χ^2/NDF: 17.4/23

Left Out: 0.000+/-0.000 χ^2/NDF:52.3/24

Right Out: -0.000+/-0.000 χ^2/NDF: 19.4/29

Left In: -0.000+/-0.000 χ^2/NDF:16.5/22

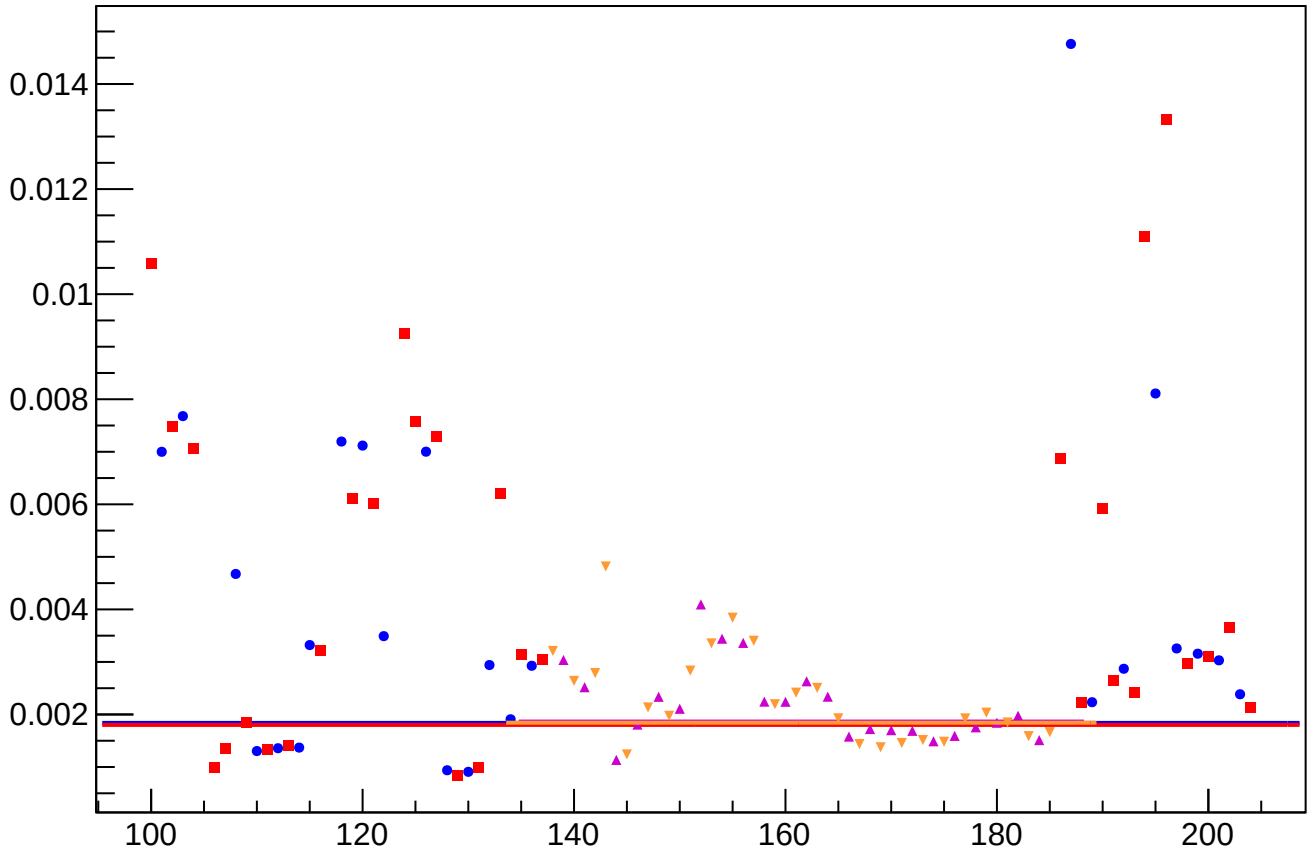
Left: 0.000+/-0.000 χ^2/NDF: 70.6/47

Right: -0.000+/-0.000 χ^2/NDF: 37.0/53

In: -0.000+/-0.000 χ^2/NDF:33.9/46

Out: 0.000+/-0.000 χ^2/NDF:75.1/54

All: -0.000+/-0.000 χ^2/NDF: 109.7/101



Right In: 0.002+/-0.000 χ^2/NDF: 7920608.1/23

Left Out: 0.002+/-0.000 χ^2/NDF:3783185.4/24

Right Out: 0.002+/-0.000 χ^2/NDF: 10625970.3/29

Left In: 0.002+/-0.000 χ^2/NDF:2794135.0/22

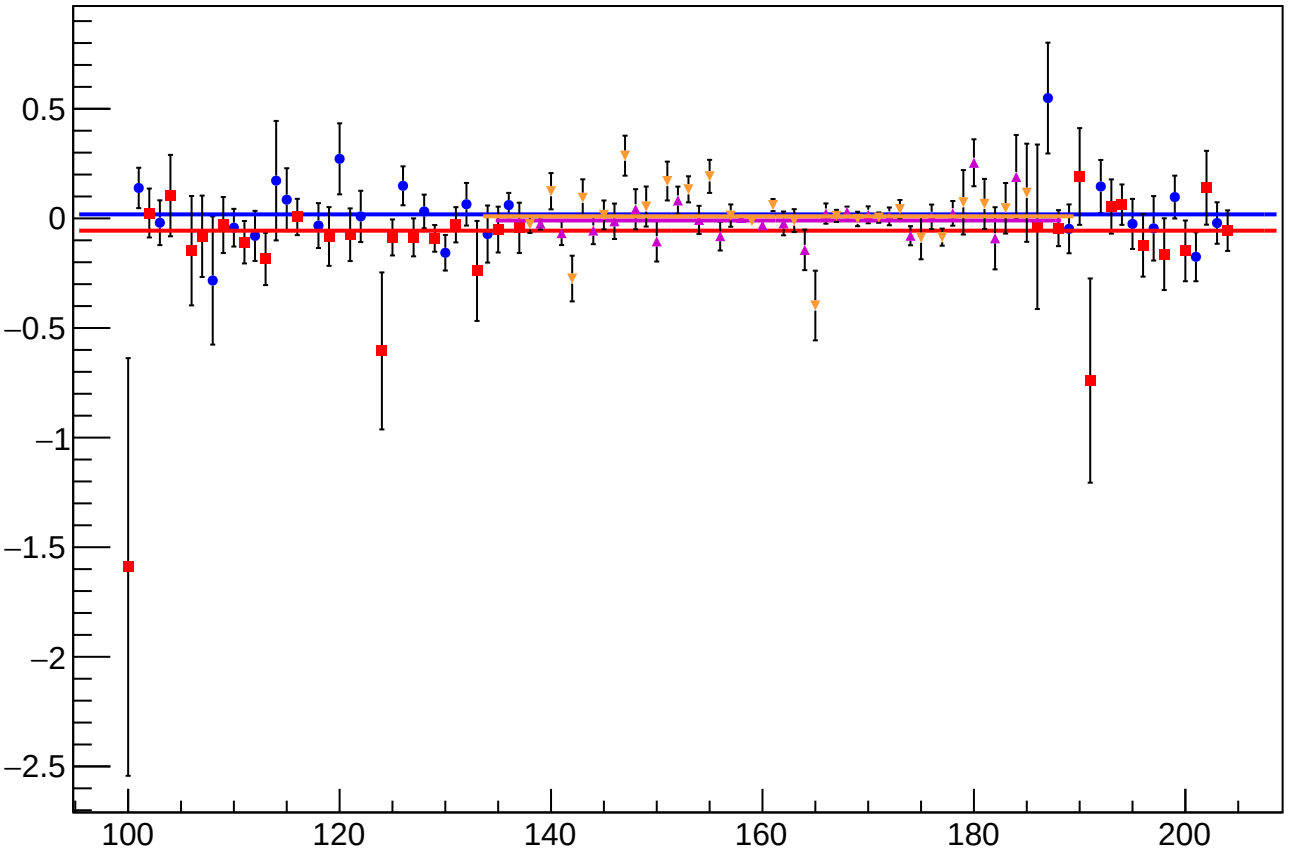
Left: 0.002+/-0.000 χ^2/NDF: 6579632.9/47

Right: 0.002+/-0.000 χ^2/NDF: 18550355.4/53

In: 0.002+/-0.000 χ^2/NDF:10716779.2/46

Out: 0.002+/-0.000 χ^2/NDF:14415482.0/54

All: 0.002+/-0.000 χ^2/NDF: 25138145.5/101



Right In: 0.018+/-0.021 χ^2/NDF: 25.5/23

Left Out: 0.010+/-0.008 χ^2/NDF:54.6/24

Right Out: -0.056+/-0.021 χ^2/NDF: 18.2/29

Left In: -0.009+/-0.008 χ^2/NDF:25.2/22

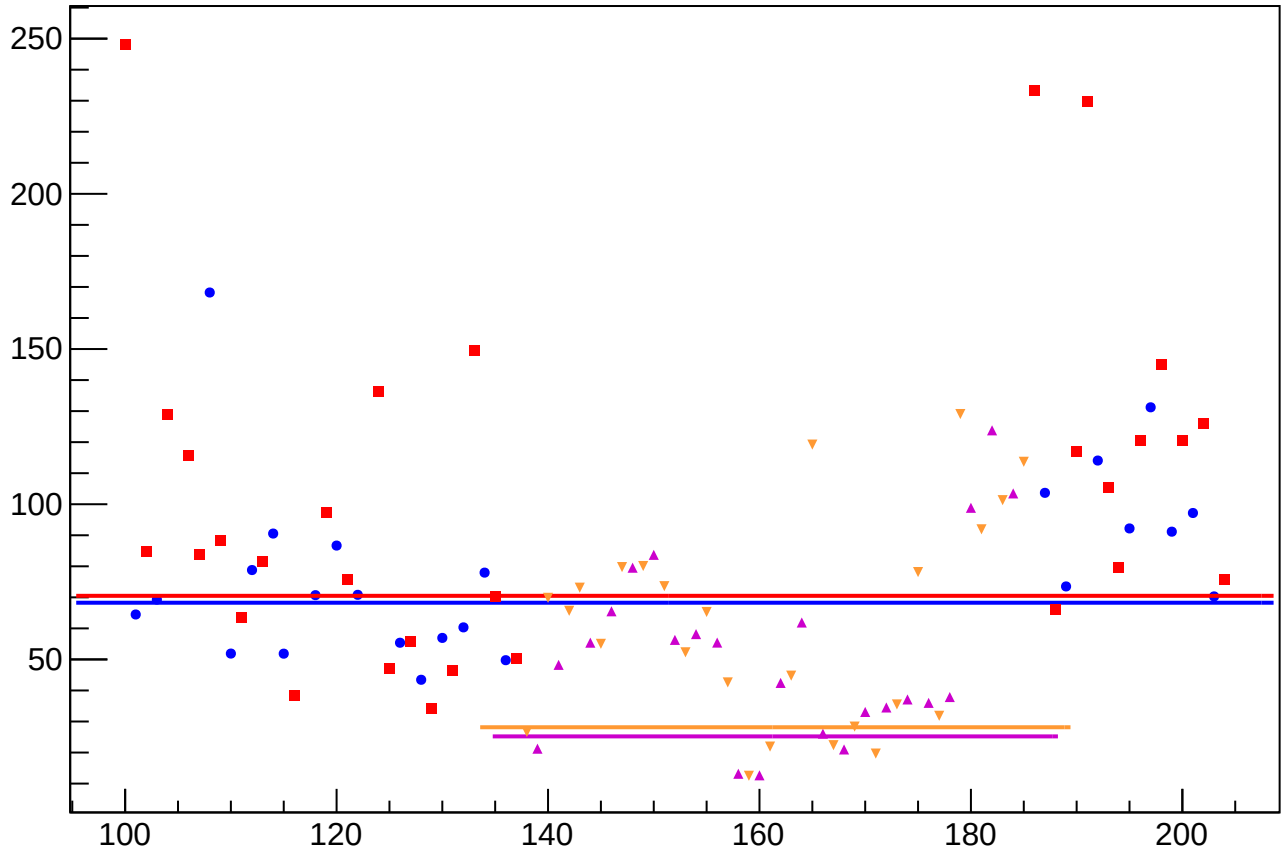
Left: -0.001+/-0.006 χ^2/NDF: 82.5/47

Right: -0.019+/-0.015 χ^2/NDF: 49.9/53

In: -0.006+/-0.007 χ^2/NDF:52.2/46

Out: 0.001+/-0.008 χ^2/NDF:81.1/54

All: -0.003+/-0.005 χ^2/NDF: 133.7/101



Right In: 68.268+/-0.015 χ^2/NDF: 1960301.7/23

Left Out: 28.150+/-0.006 χ^2/NDF:11071818.3/24

Right Out: 70.492+/-0.015 χ^2/NDF: 4332995.5/29

Left In: 25.205+/-0.006 χ^2/NDF:9964548.1/22

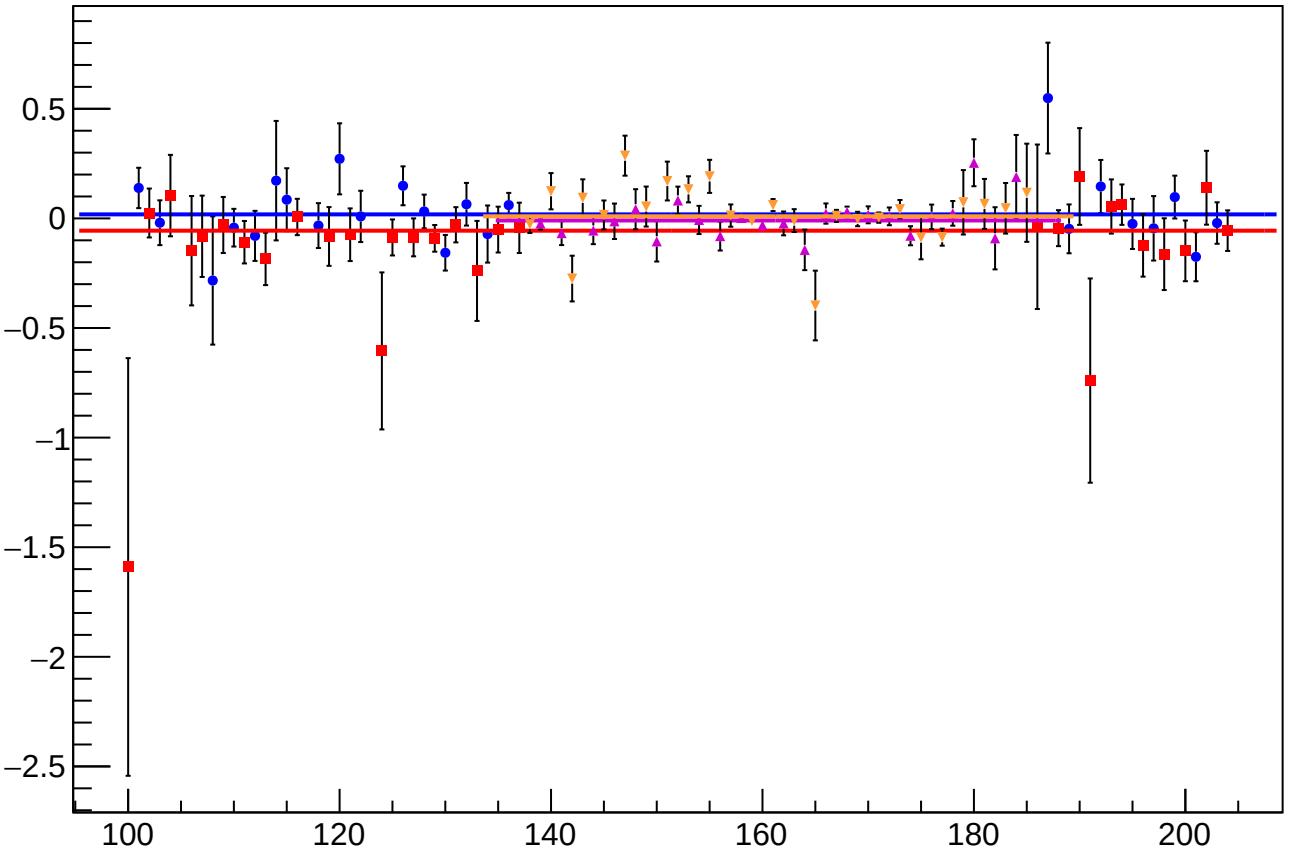
Left: 26.582+/-0.004 χ^2/NDF: 21165461.1/47

Right: 69.378+/-0.011 χ^2/NDF: 6304301.2/53

In: 30.487+/-0.005 χ^2/NDF:19169770.5/46

Out: 33.952+/-0.006 χ^2/NDF:22273511.5/54

All: 32.121+/-0.004 χ^2/NDF: 41648769.1/101



Right In: 0.018+/-0.021 χ^2/NDF: 25.5/23

Left Out: 0.010+/-0.008 χ^2/NDF:54.6/24

Right Out: -0.056+/-0.021 χ^2/NDF: 18.2/29

Left In: -0.009+/-0.008 χ^2/NDF:25.2/22

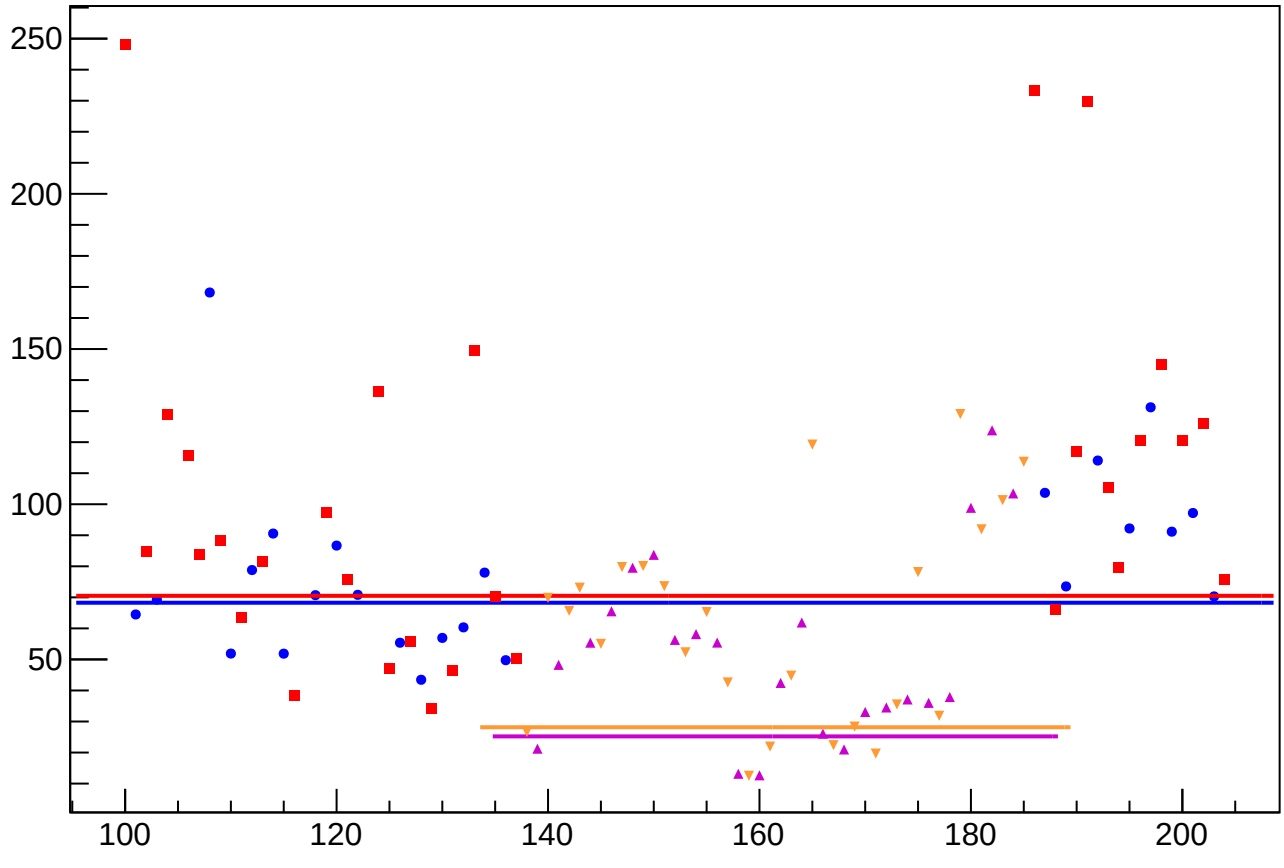
Left: -0.001+/-0.006 χ^2/NDF: 82.5/47

Right: -0.019+/-0.015 χ^2/NDF: 49.9/53

In: -0.006+/-0.007 χ^2/NDF:52.2/46

Out: 0.001+/-0.008 χ^2/NDF:81.1/54

All: -0.003+/-0.005 χ^2/NDF: 133.7/101



Right In: 68.268+/-0.015 χ^2/NDF: 1960301.7/23

Left Out: 28.150+/-0.006 χ^2/NDF:11071818.3/24

Right Out: 70.492+/-0.015 χ^2/NDF: 4332995.5/29

Left In: 25.205+/-0.006 χ^2/NDF:9964548.1/22

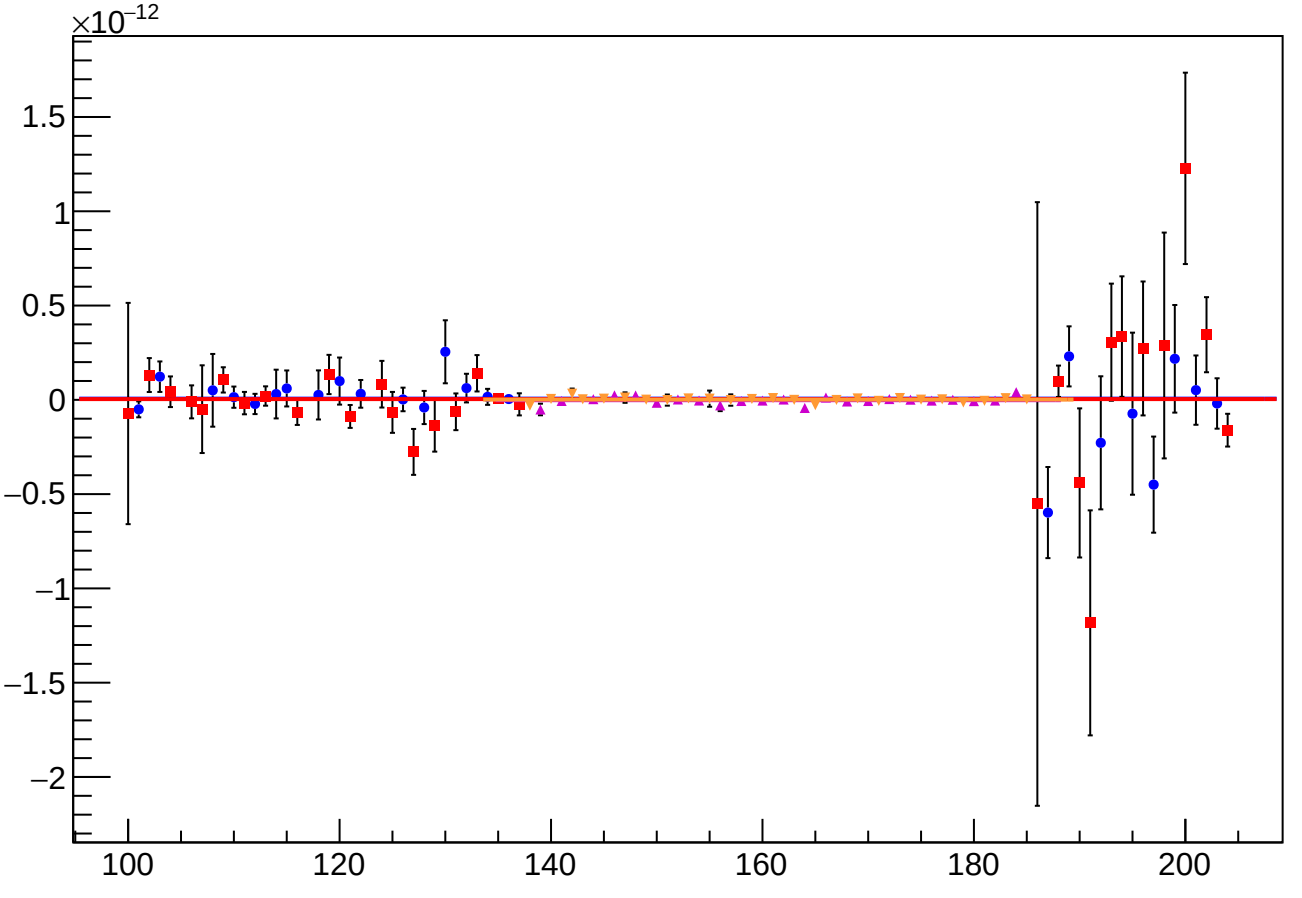
Left: 26.582+/-0.004 χ^2/NDF: 21165461.1/47

Right: 69.378+/-0.011 χ^2/NDF: 6304301.2/53

In: 30.487+/-0.005 χ^2/NDF:19169770.5/46

Out: 33.952+/-0.006 χ^2/NDF:22273511.5/54

All: 32.121+/-0.004 χ^2/NDF: 41648769.1/101



Right In: 0.000+/-0.000 χ^2/NDF: 20.9/23

Left Out: 0.000+/-0.000 χ^2/NDF:11.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 41.5/29

Left In: -0.000+/-0.000 χ^2/NDF:20.8/22

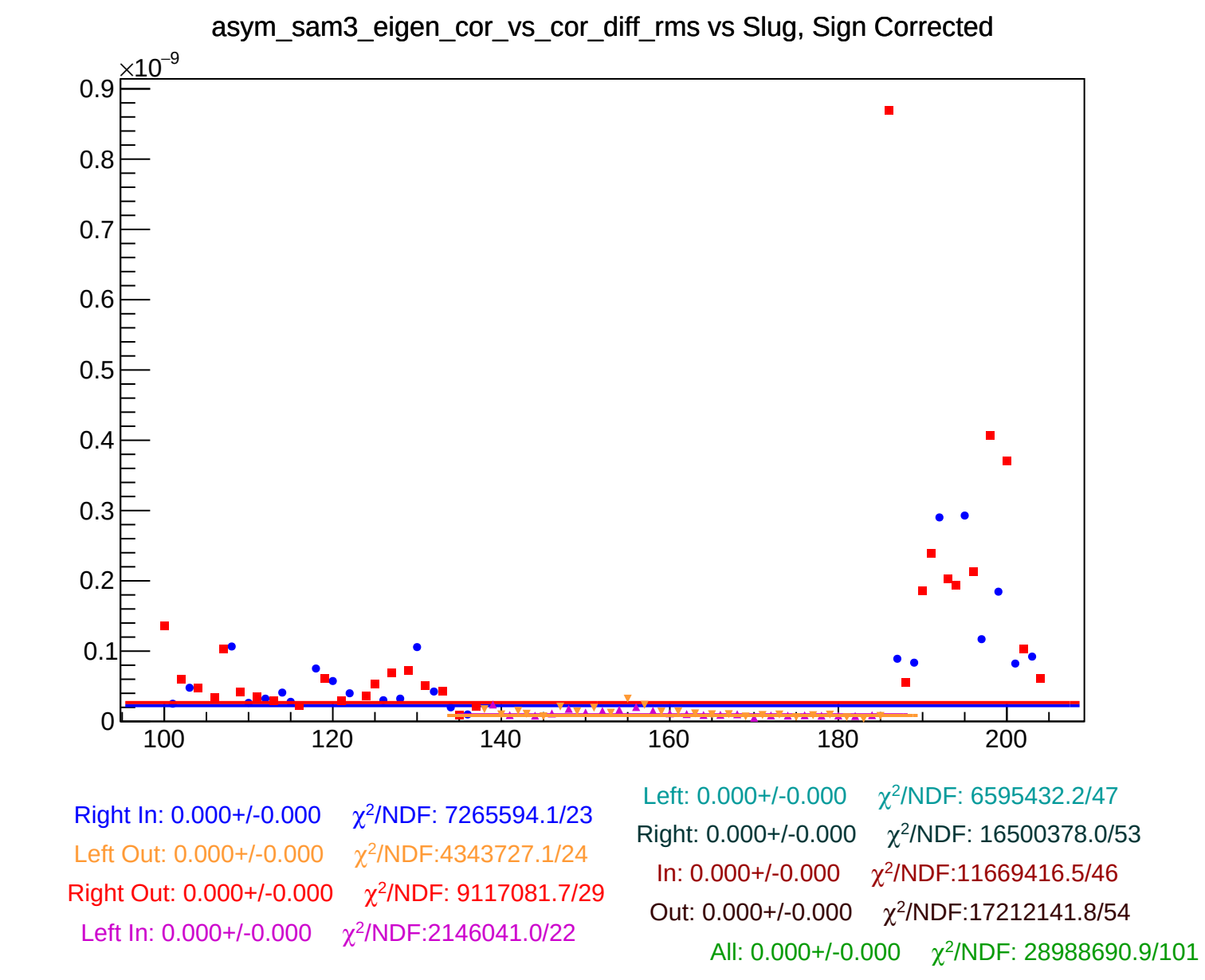
Left: -0.000+/-0.000 χ^2/NDF: 32.7/47

Right: 0.000+/-0.000 χ^2/NDF: 62.4/53

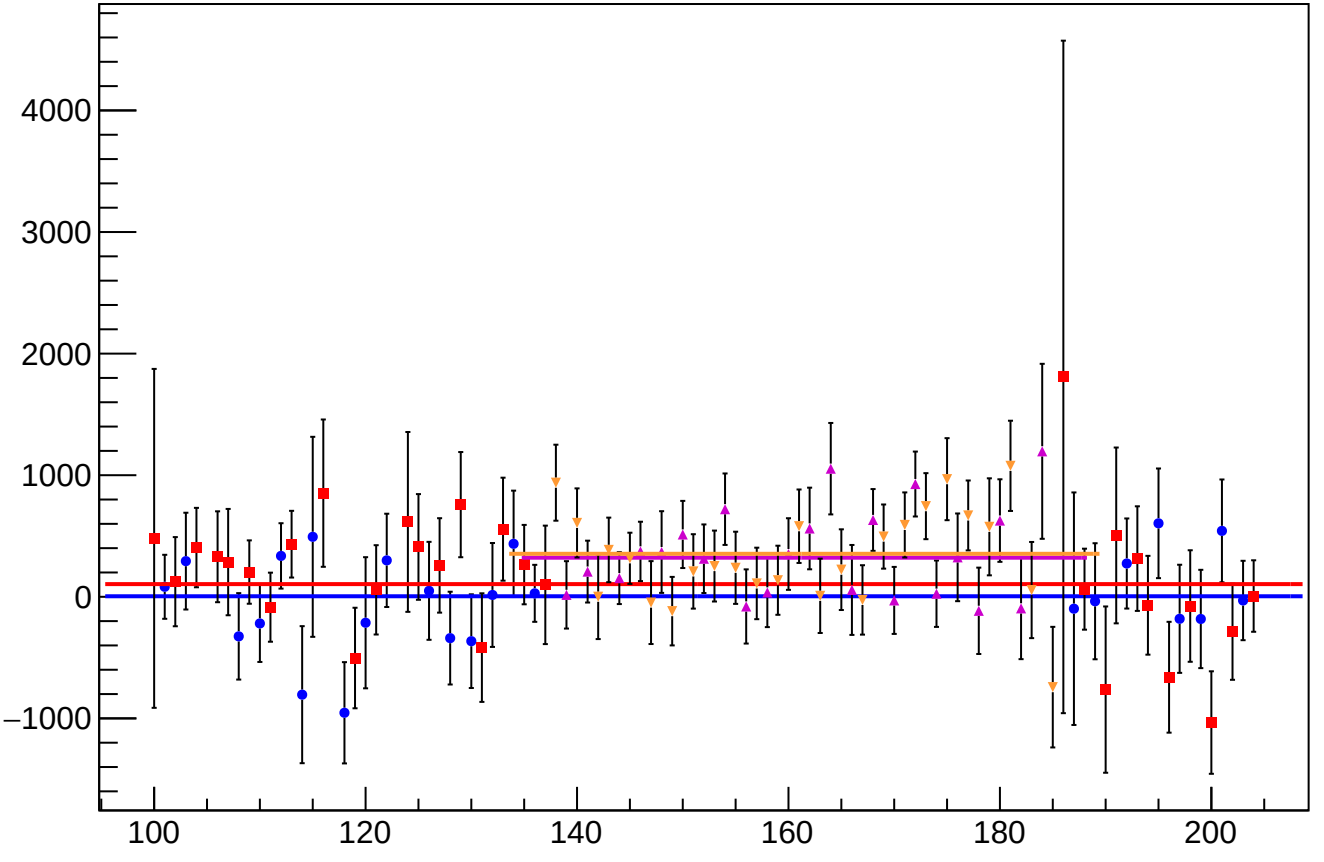
In: -0.000+/-0.000 χ^2/NDF:42.2/46

Out: 0.000+/-0.000 χ^2/NDF:52.8/54

All: 0.000+/-0.000 χ^2/NDF: 95.5/101


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
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 7265594.1/23
Left Out: 0.000+/-0.000 χ²/NDF:4343727.1/24
Right Out: 0.000+/-0.000 χ²/NDF: 9117081.7/29
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: 16500378.0/53
In: 0.000+/-0.000 χ²/NDF:11669416.5/46
Out: 0.000+/-0.000 χ²/NDF:17212141.8/54
All: 0.000+/-0.000 χ²/NDF: 28988690.9/101

reg_asym_sam4_mean vs Slug, Sign Corrected



Right In: 4.382+/-77.703 χ^2/NDF: 19.0/23

Left Out: 353.617+/-60.149 χ^2/NDF:32.3/24

Right Out: 104.384+/-73.082 χ^2/NDF: 27.4/29

Left In: 321.510+/-62.113 χ^2/NDF:26.2/22

Left: 338.079+/-43.209 χ^2/NDF: 58.7/47

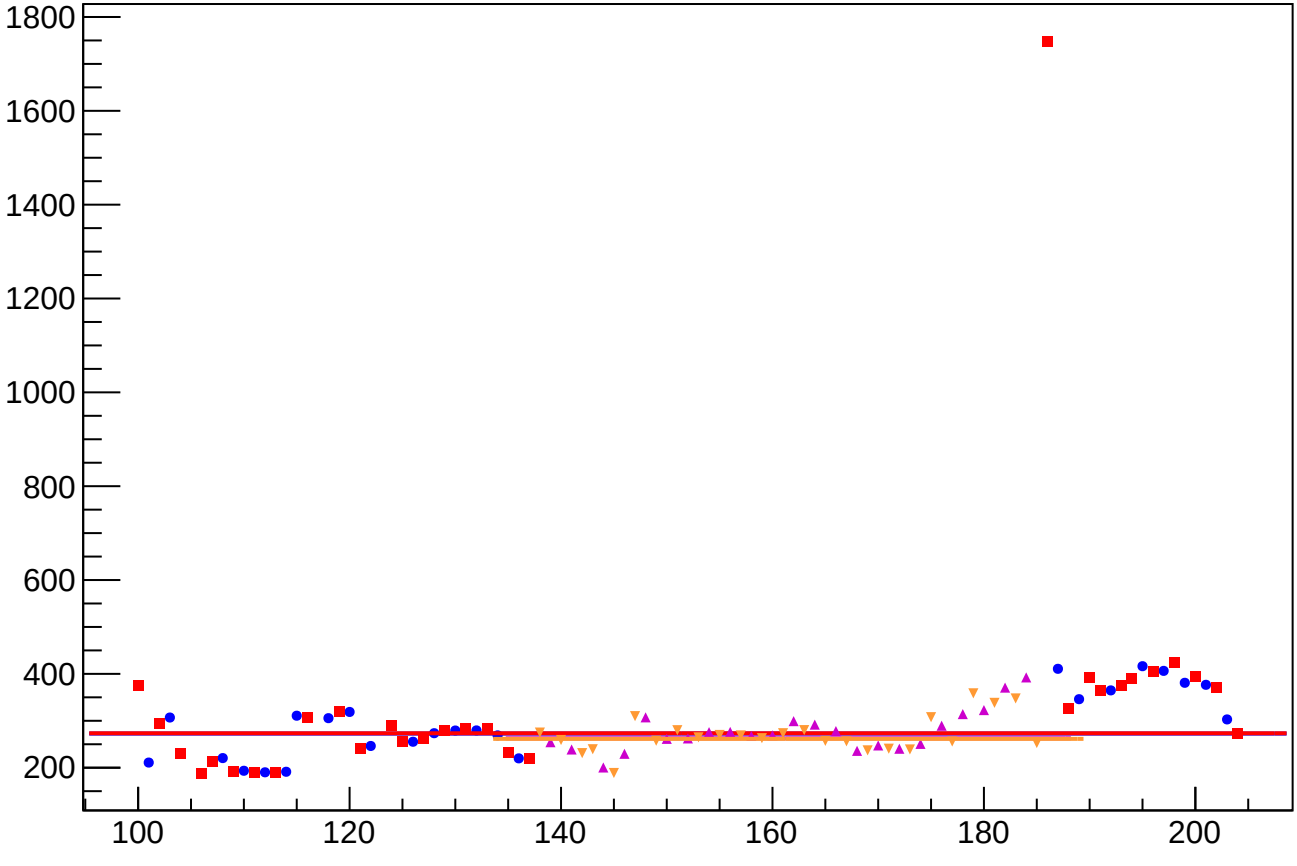
Right: 57.445+/-53.236 χ^2/NDF: 47.4/53

In: 197.873+/-48.517 χ^2/NDF:55.4/46

Out: 252.968+/-46.442 χ^2/NDF:66.7/54

All: 226.624+/-33.549 χ^2/NDF: 122.8/101

reg_asym_sam4_rms vs Slug, Sign Corrected



Right In: 272.735+/-0.055 χ^2/NDF: 1548286.4/23

Left Out: 261.470+/-0.043 χ^2/NDF:715467.9/24

Right Out: 273.390+/-0.052 χ^2/NDF: 2520043.6/29

Left In: 262.616+/-0.044 χ^2/NDF:670646.3/22

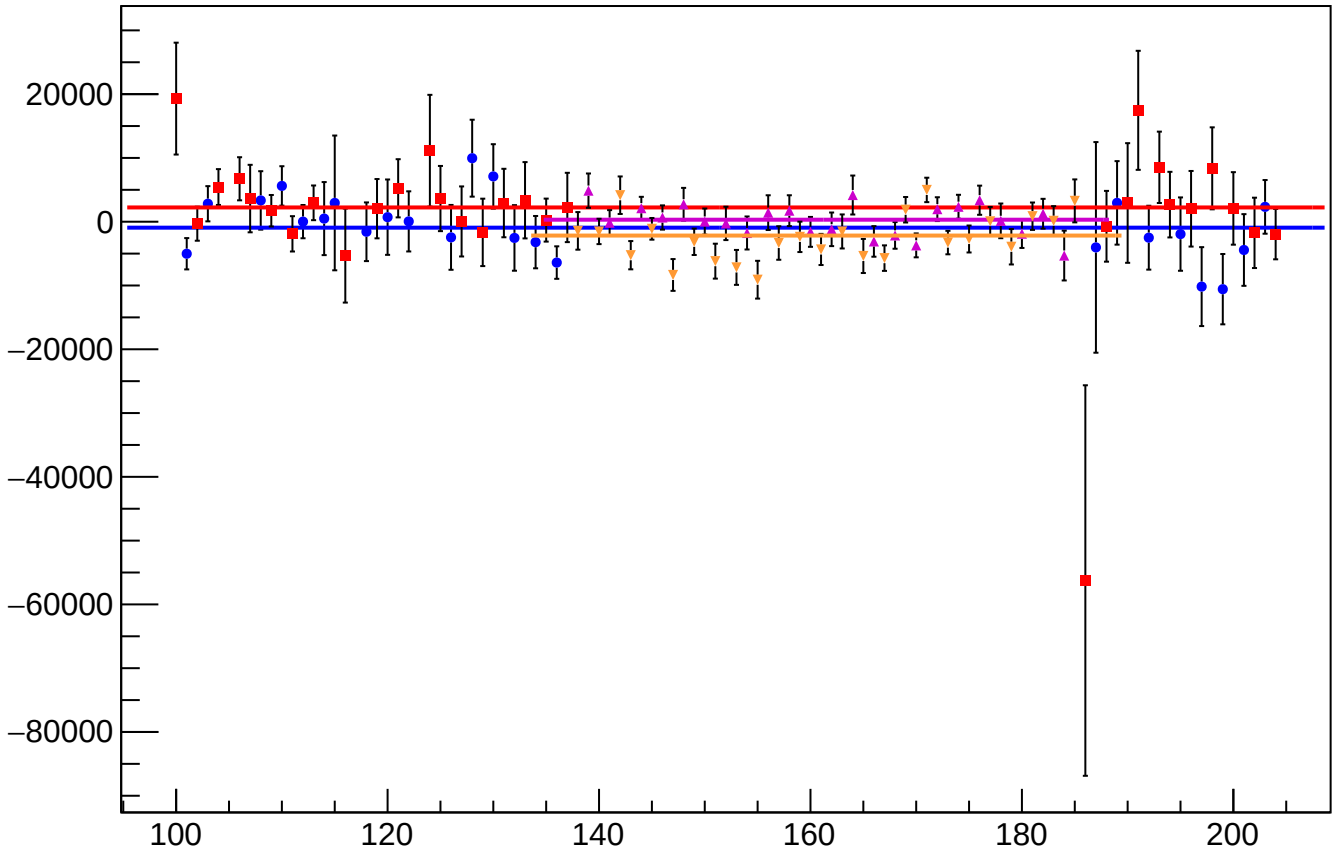
Left: 262.024+/-0.031 χ^2/NDF: 1386465.9/47

Right: 273.082+/-0.038 χ^2/NDF: 4068405.5/53

In: 266.561+/-0.034 χ^2/NDF:2239624.8/46

Out: 266.284+/-0.033 χ^2/NDF:3267233.1/54

All: 266.416+/-0.024 χ^2/NDF: 5506892.0/101



Right In: -933.958+/-858.030 χ^2/NDF: 28.2/23

Left Out: -2171.840+/-461.649 χ^2/NDF:55.5/24

Right Out: 2236.334+/-801.263 χ^2/NDF: 24.3/29

Left In: 313.739+/-474.086 χ^2/NDF:23.7/22

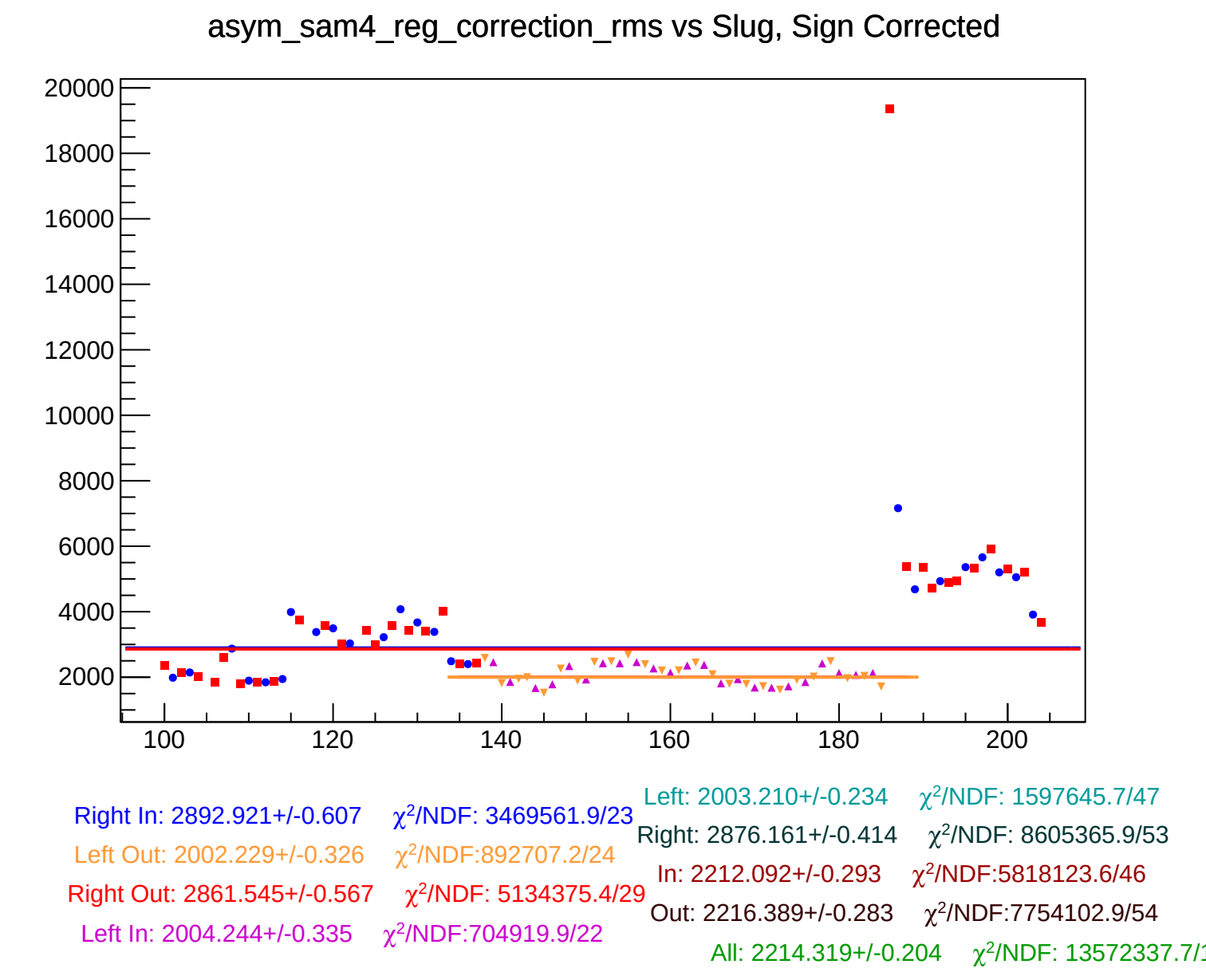
Left: -962.081+/-330.744 χ^2/NDF: 93.3/47

Right: 759.522+/-585.619 χ^2/NDF: 59.8/53

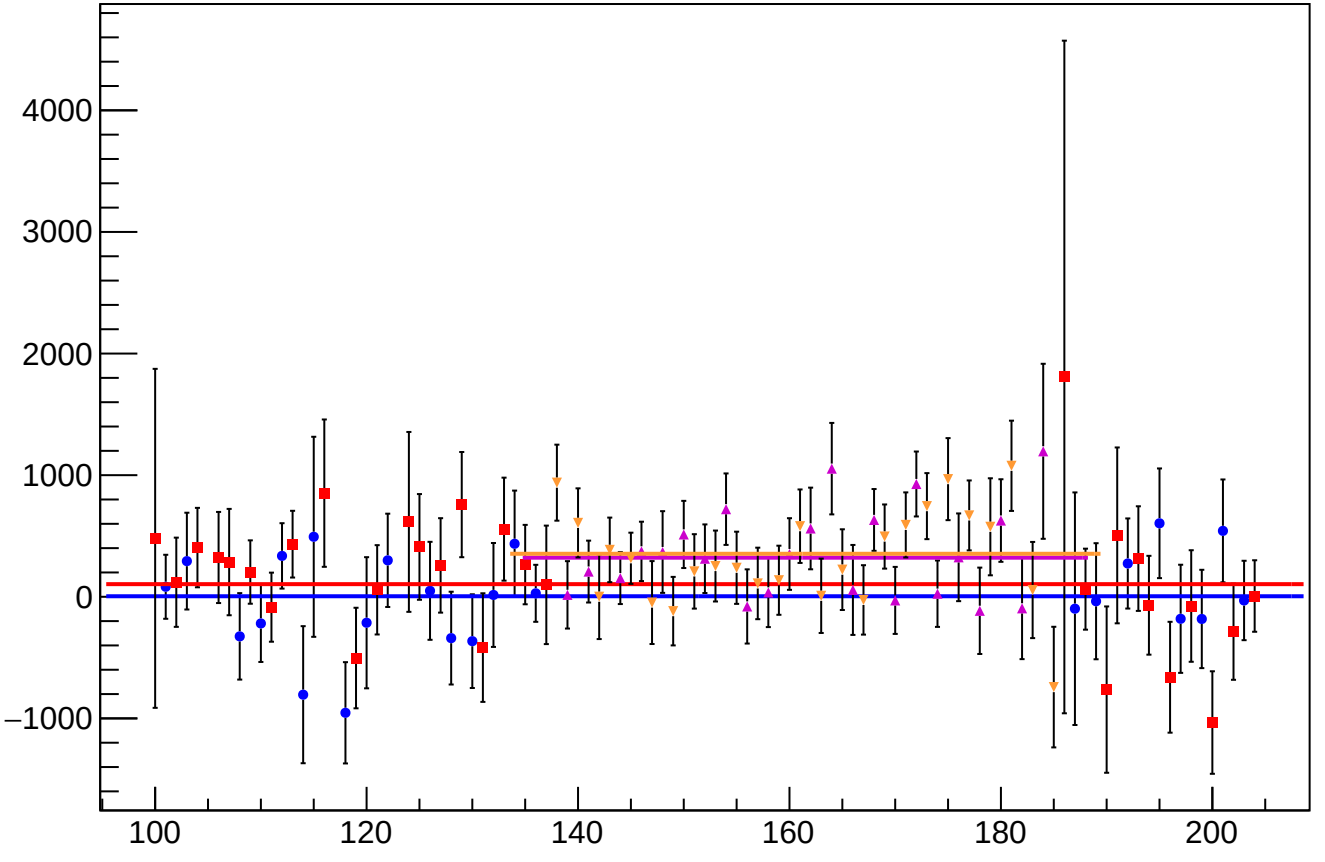
In: 21.921+/-414.958 χ^2/NDF:53.4/46

Out: -1073.229+/-400.007 χ^2/NDF:102.5/54

All: -545.738+/-287.988 χ^2/NDF: 159.6/101


asym_sam4_reg_correction_rms vs Slug, Sign Corrected
20000
18000
16000
14000
12000
10000
8000
6000
4000
2000
100
120
140
160
180
200
Right In: 2892.921+/-0.607 χ²/NDF: 3469561.9/23
Left Out: 2002.229+/-0.326 χ²/NDF:892707.2/24
Right Out: 2861.545+/-0.567 χ²/NDF: 5134375.4/29
Left In: 2004.244+/-0.335 χ²/NDF:704919.9/22
Left: 2003.210+/-0.234 χ²/NDF: 1597645.7/47
Right: 2876.161+/-0.414 χ²/NDF: 8605365.9/53
In: 2212.092+/-0.293 χ²/NDF:5818123.6/46
Out: 2216.389+/-0.283 χ²/NDF:7754102.9/54
All: 2214.319+/-0.204 χ²/NDF: 13572337.7/

cor_asym_sam4_mean vs Slug, Sign Corrected



Right In: 4.367+/-77.703 χ^2/NDF: 19.0/23

Left Out: 353.640+/-60.149 χ^2/NDF:32.3/24

Right Out: 103.918+/-73.090 χ^2/NDF: 27.4/29

Left In: 321.514+/-62.113 χ^2/NDF:26.2/22

Left: 338.093+/-43.209 χ^2/NDF: 58.7/47

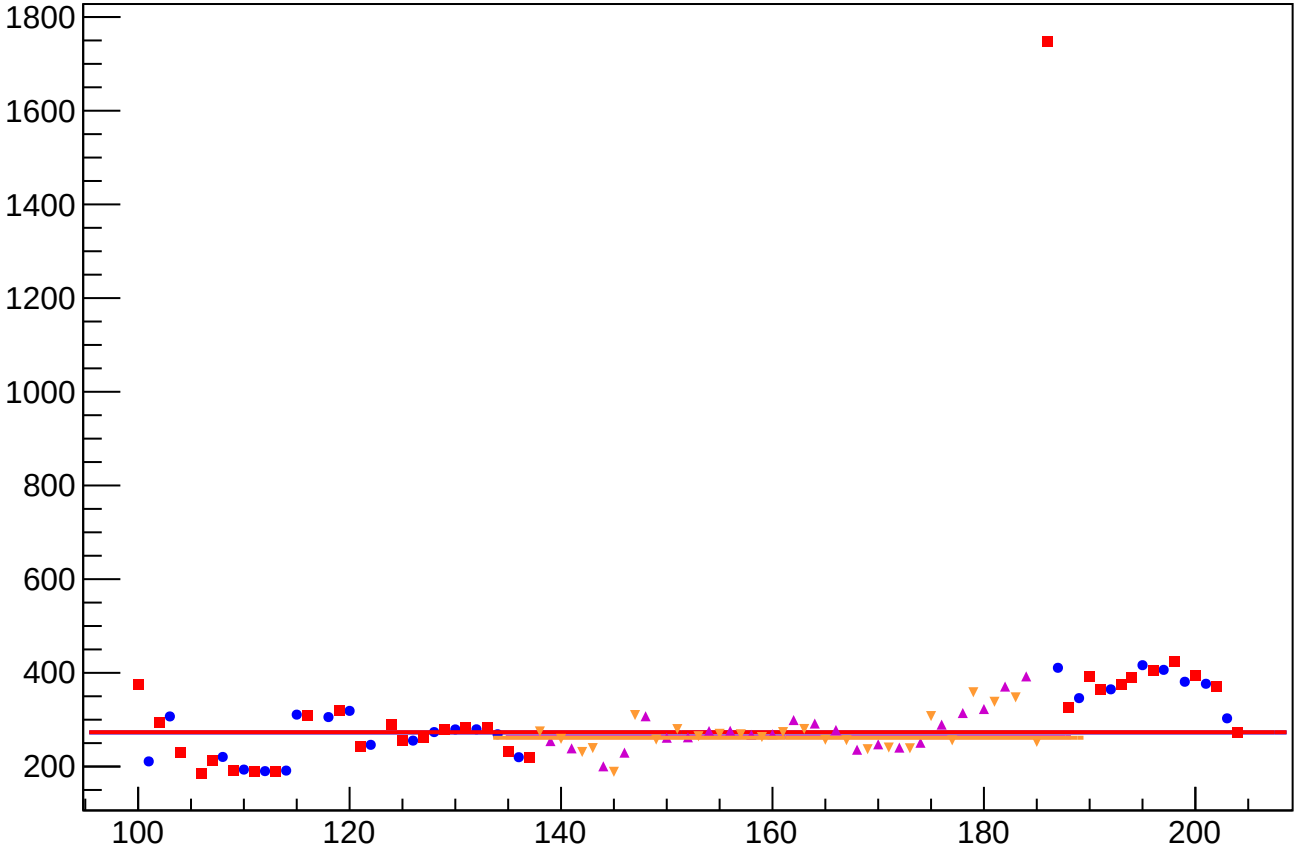
Right: 57.185+/-53.239 χ^2/NDF: 47.3/53

In: 197.870+/-48.517 χ^2/NDF:55.4/46

Out: 252.807+/-46.444 χ^2/NDF:66.7/54

All: 226.537+/-33.550 χ^2/NDF: 122.8/101

cor_asym_sam4_rms vs Slug, Sign Corrected



Right In: 272.735+/-0.055 χ^2/NDF: 1548287.7/23

Left Out: 261.470+/-0.043 χ^2/NDF:715467.9/24

Right Out: 273.314+/-0.052 χ^2/NDF: 2525875.3/29

Left In: 262.616+/-0.044 χ^2/NDF:670646.4/22

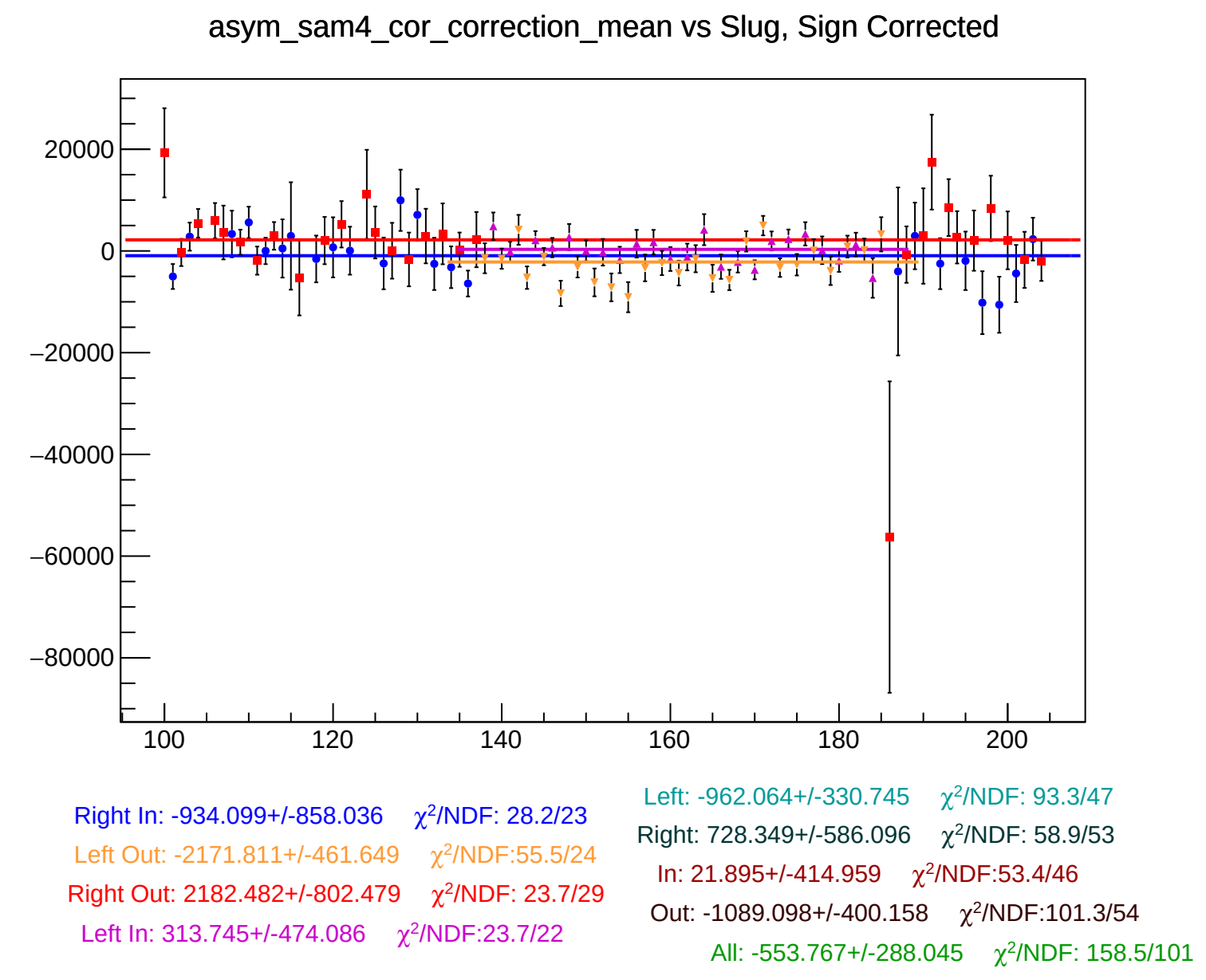
Left: 262.024+/-0.031 χ^2/NDF: 1386465.9/47

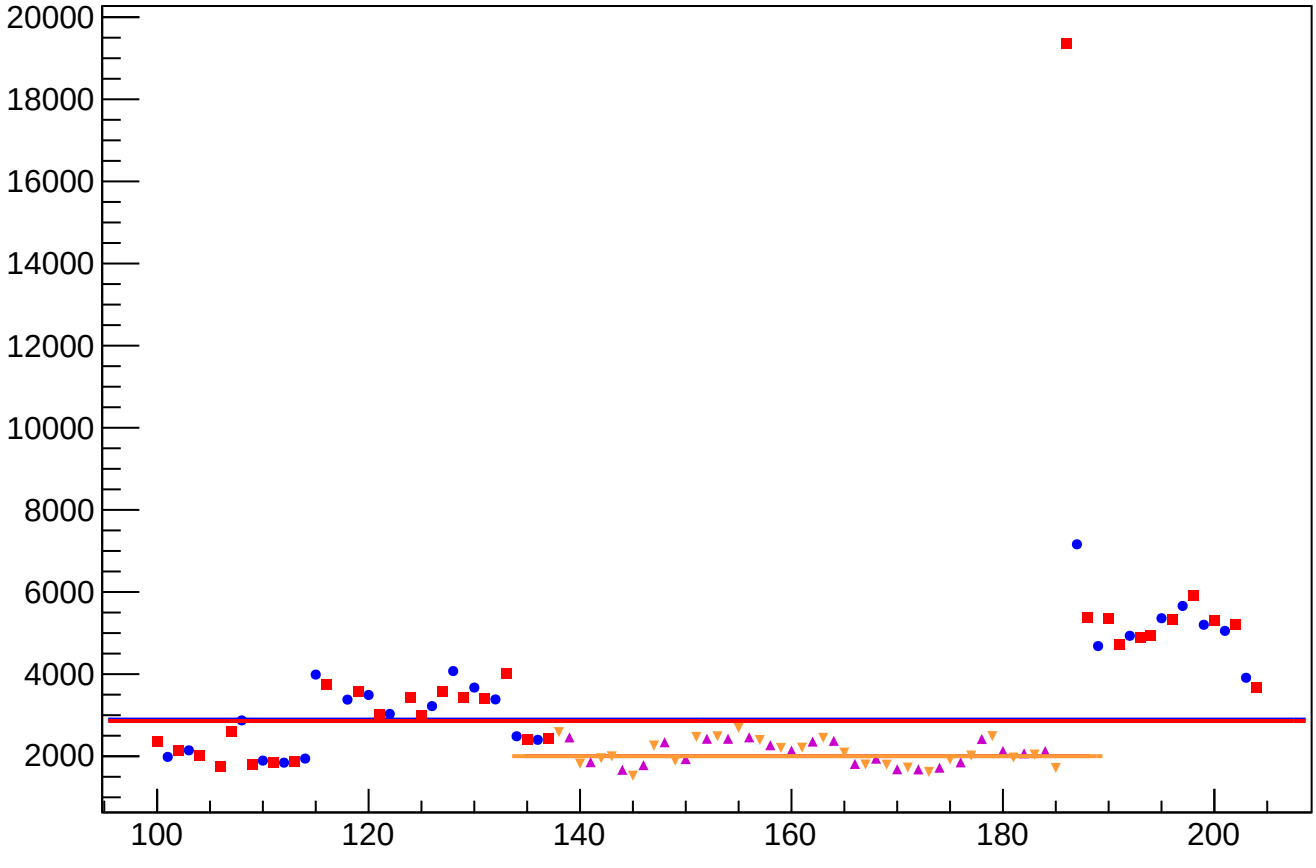
Right: 273.042+/-0.038 χ^2/NDF: 4074222.1/53

In: 266.561+/-0.034 χ^2/NDF:2239626.4/46

Out: 266.252+/-0.033 χ^2/NDF:3272658.8/54

All: 266.400+/-0.024 χ^2/NDF: 5512327.4/101


asym_sam4_cor_correction_mean vs Slug, Sign Corrected
20000
0
−20000
−40000
−60000
−80000
100
120
140
160
180
200
Right In: -934.099+/-858.036 χ²/NDF: 28.2/23
Left Out: -2171.811+/-461.649 χ²/NDF:55.5/24
Right Out: 2182.482+/-802.479 χ²/NDF: 23.7/29
Left In: 313.745+/-474.086 χ²/NDF:23.7/22
Left: -962.064+/-330.745 χ²/NDF: 93.3/47
Right: 728.349+/-586.096 χ²/NDF: 58.9/53
In: 21.895+/-414.959 χ²/NDF:53.4/46
Out: -1089.098+/-400.158 χ²/NDF:101.3/54
All: -553.767+/-288.045 χ²/NDF: 158.5/101



Right In: 2892.948+/-0.607 χ^2/NDF: 3469477.0/23

Left Out: 2002.229+/-0.326 χ^2/NDF:892706.8/24

Right Out: 2858.698+/-0.567 χ^2/NDF: 5163948.6/29

Left In: 2004.244+/-0.335 χ^2/NDF:704920.5/22

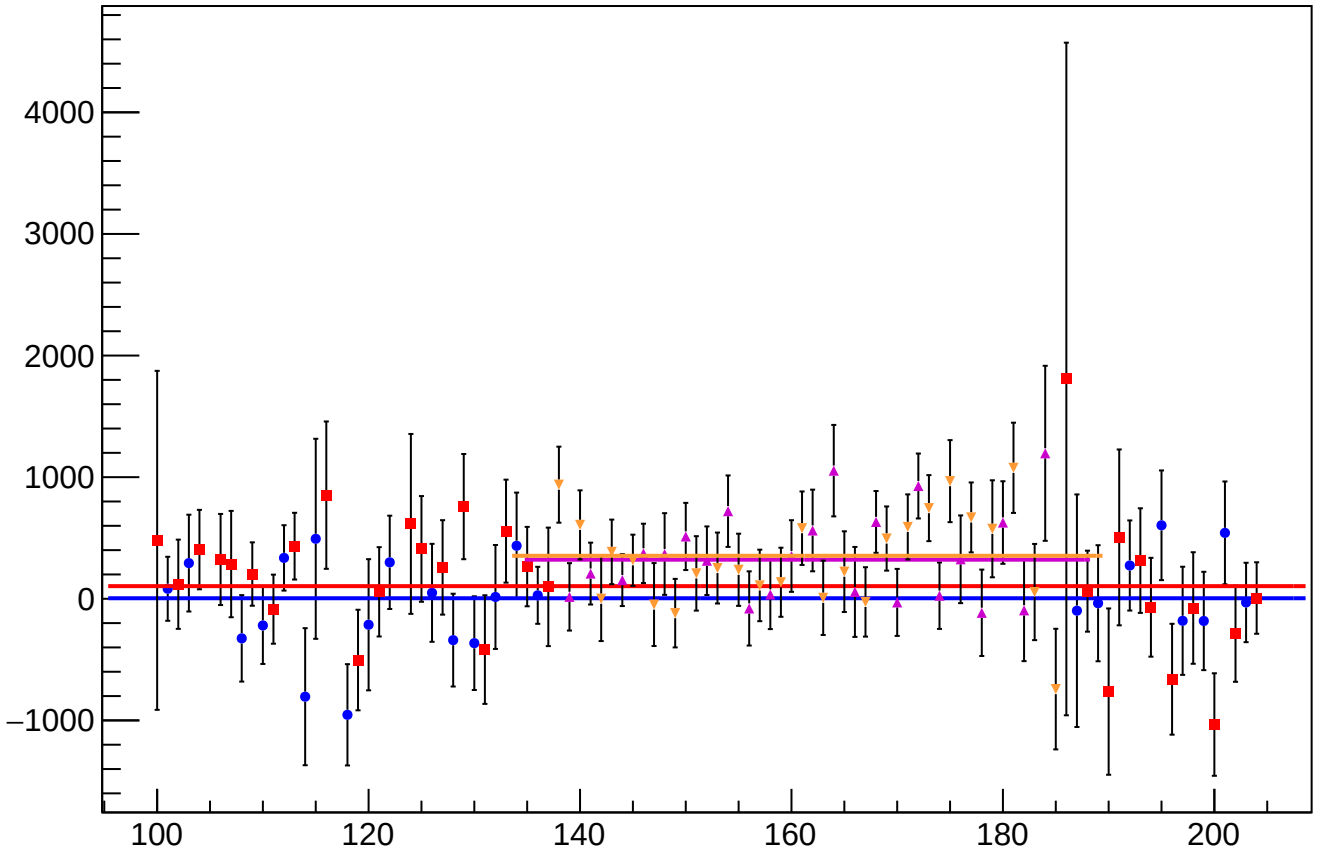
Left: 2003.210+/-0.234 χ^2/NDF: 1597645.9/47

Right: 2874.678+/-0.414 χ^2/NDF: 8635125.4/53

In: 2212.097+/-0.293 χ^2/NDF:5818117.2/46

Out: 2215.194+/-0.283 χ^2/NDF:7768347.3/54

All: 2213.701+/-0.204 χ^2/NDF: 13586522.2/



Right In: 4.367+/-77.703 χ^2/NDF: 19.0/23

Left Out: 353.640+/-60.149 χ^2/NDF:32.3/24

Right Out: 103.918+/-73.090 χ^2/NDF: 27.4/29

Left In: 321.514+/-62.113 χ^2/NDF:26.2/22

Left: 338.093+/-43.209 χ^2/NDF: 58.7/47

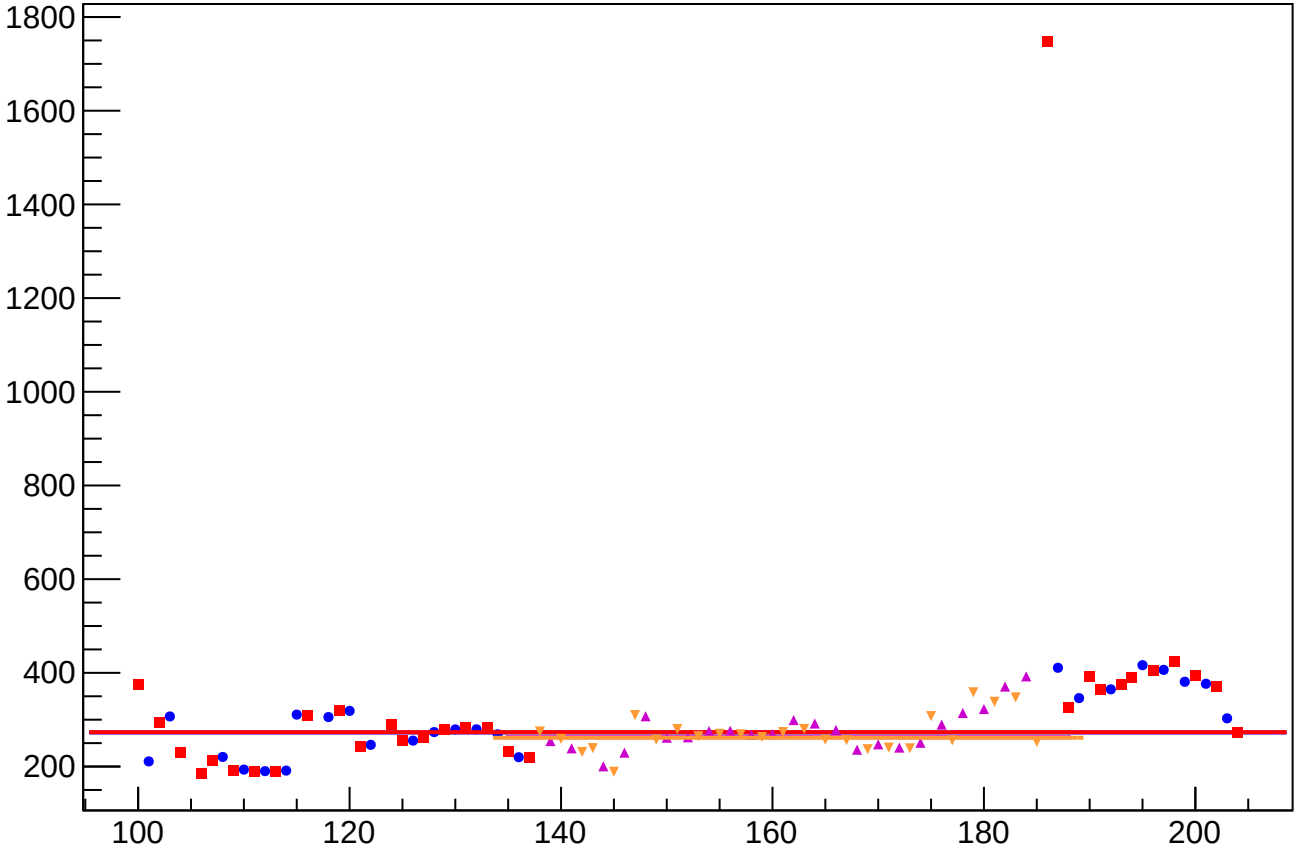
Right: 57.185+/-53.239 χ^2/NDF: 47.3/53

In: 197.870+/-48.517 χ^2/NDF:55.4/46

Out: 252.807+/-46.444 χ^2/NDF:66.7/54

All: 226.537+/-33.550 χ^2/NDF: 122.8/101

eigen_cor_asym_sam4_rms vs Slug, Sign Corrected



Right In: 272.735+/-0.055 χ^2/NDF: 1548287.7/23

Left Out: 261.470+/-0.043 χ^2/NDF:715467.9/24

Right Out: 273.314+/-0.052 χ^2/NDF: 2525875.3/29

Left In: 262.616+/-0.044 χ^2/NDF:670646.4/22

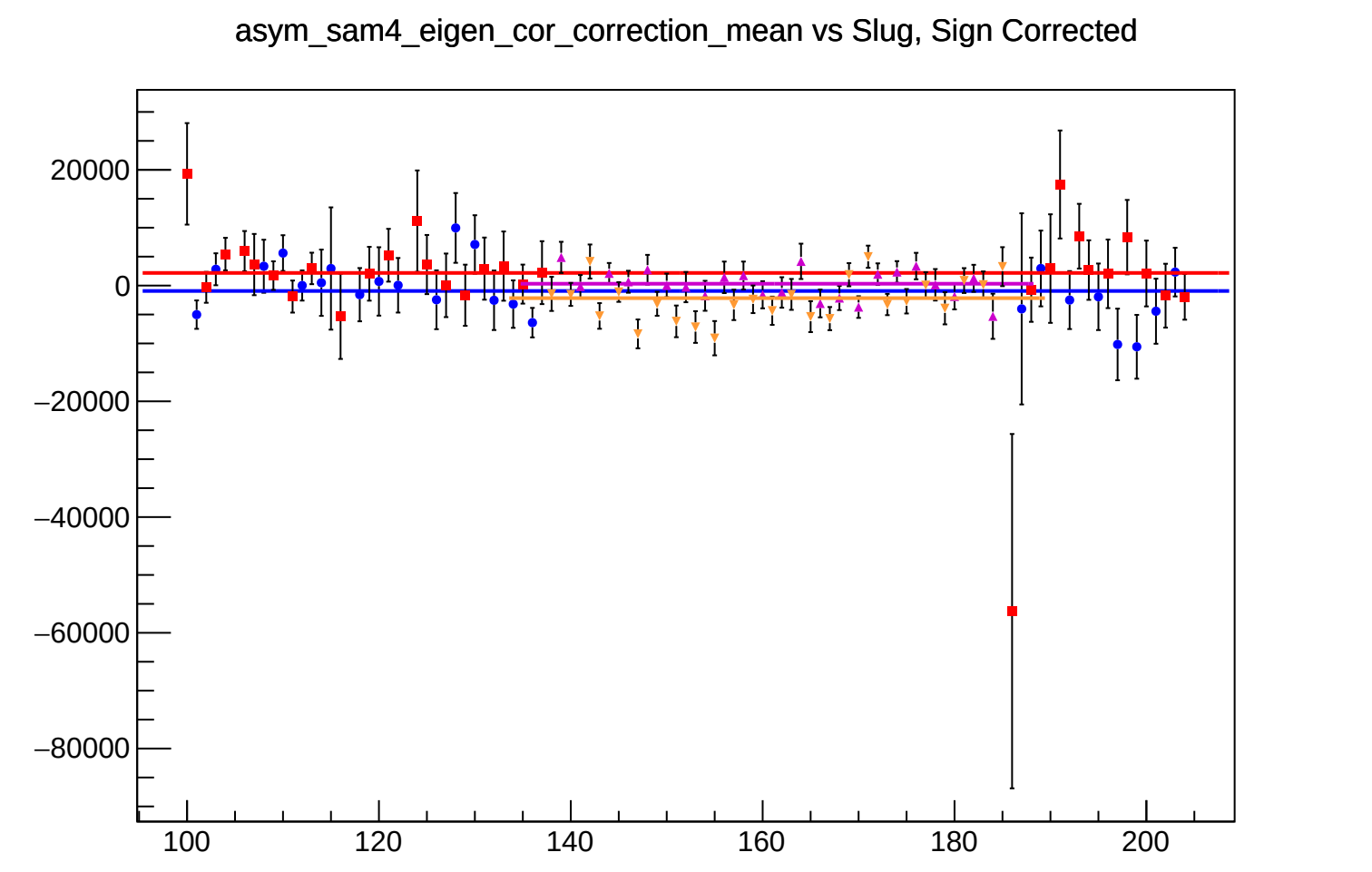
Left: 262.024+/-0.031 χ^2/NDF: 1386465.9/47

Right: 273.042+/-0.038 χ^2/NDF: 4074222.1/53

In: 266.561+/-0.034 χ^2/NDF:2239626.4/46

Out: 266.252+/-0.033 χ^2/NDF:3272658.8/54

All: 266.400+/-0.024 χ^2/NDF: 5512327.4/101



Right In: -934.099+/-858.036 χ^2/NDF: 28.2/23

Left Out: -2171.811+/-461.649 χ^2/NDF:55.5/24

Right Out: 2182.482+/-802.479 χ^2/NDF: 23.7/29

Left In: 313.745+/-474.086 χ^2/NDF:23.7/22

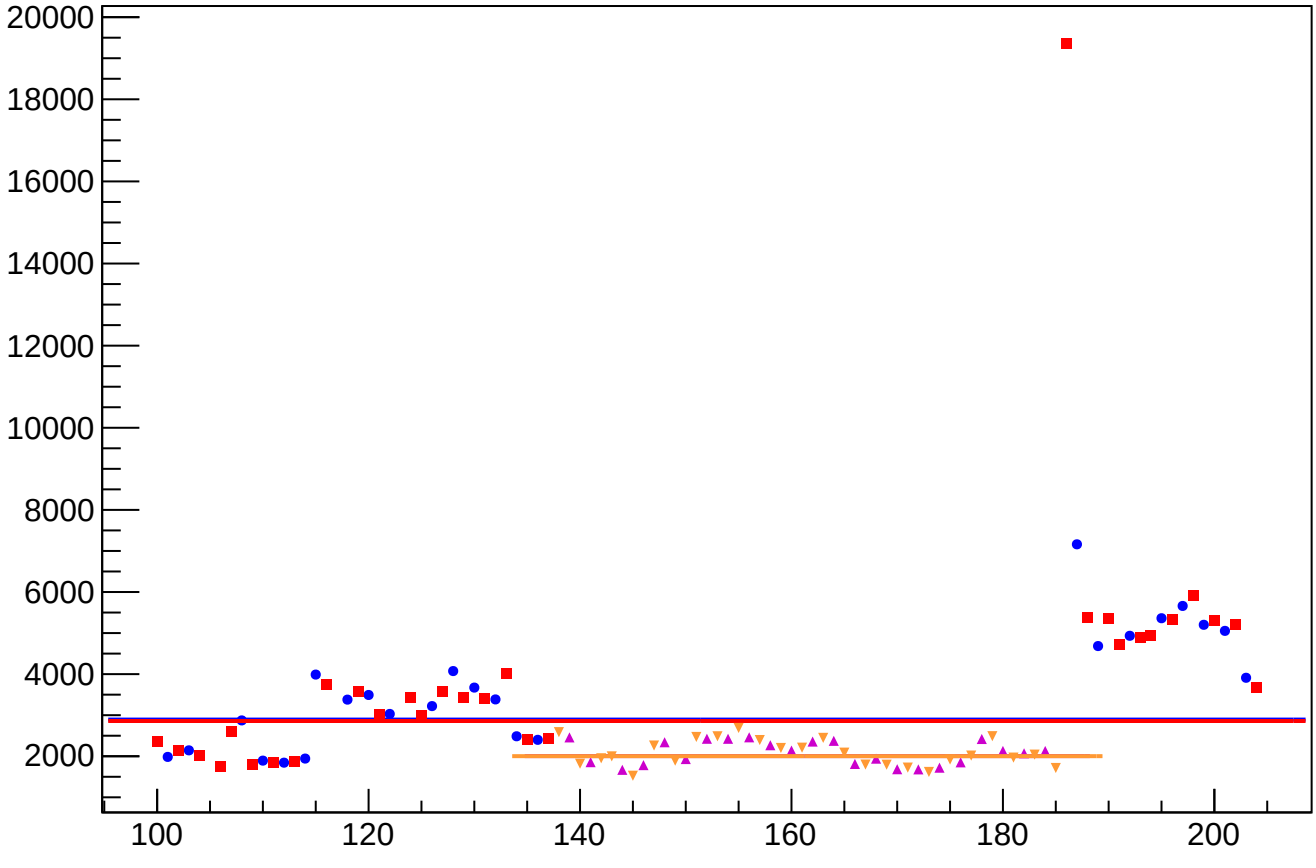
Left: -962.064+/-330.745 χ^2/NDF: 93.3/47

Right: 728.349+/-586.096 χ^2/NDF: 58.9/53

In: 21.895+/-414.959 χ^2/NDF:53.4/46

Out: -1089.098+/-400.158 χ^2/NDF:101.3/54

All: -553.767+/-288.045 χ^2/NDF: 158.5/101



Right In: 2892.948+/-0.607 χ^2/NDF: 3469477.0/23

Left Out: 2002.229+/-0.326 χ^2/NDF:892706.8/24

Right Out: 2858.698+/-0.567 χ^2/NDF: 5163948.6/29

Left In: 2004.244+/-0.335 χ^2/NDF:704920.5/22

Left: 2003.210+/-0.234 χ^2/NDF: 1597645.9/47

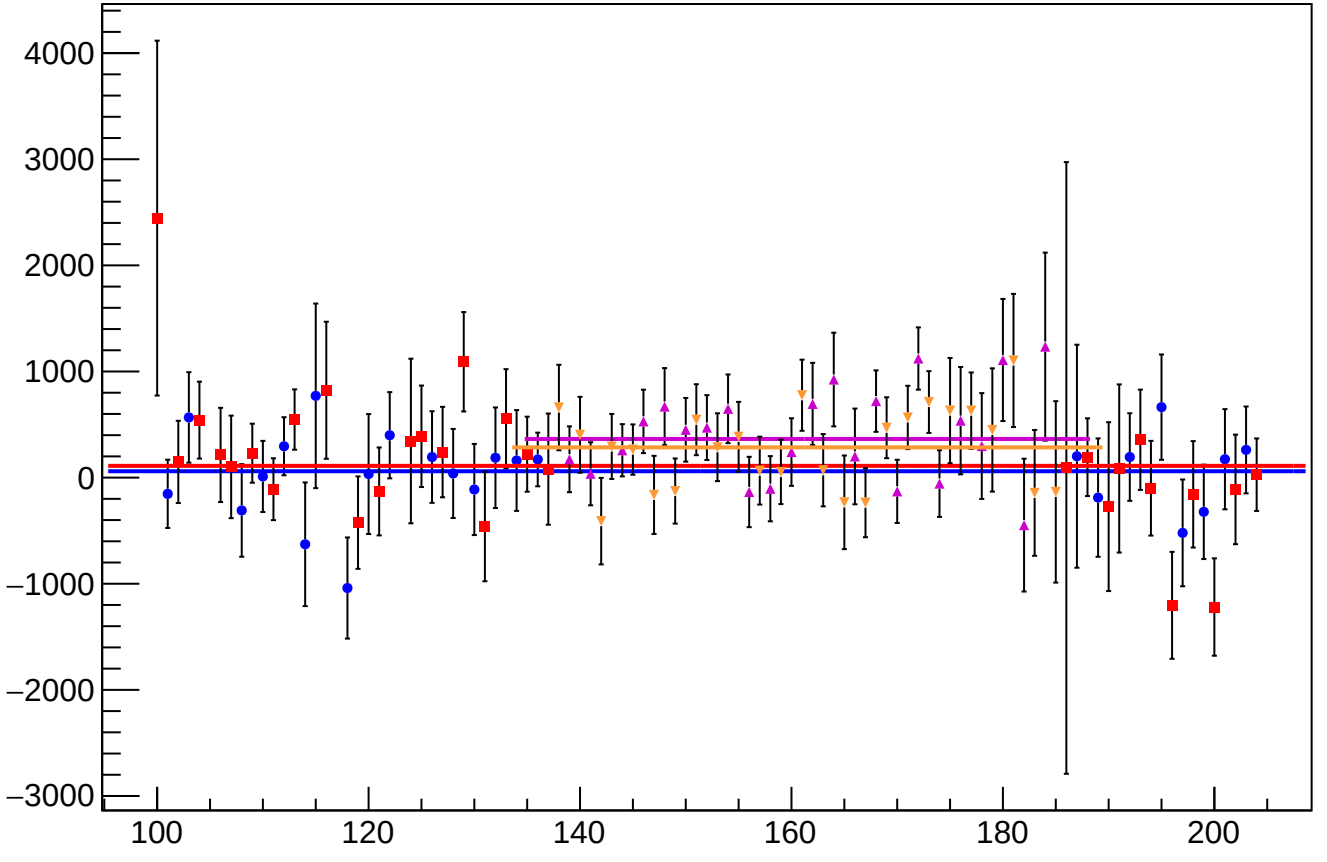
Right: 2874.678+/-0.414 χ^2/NDF: 8635125.4/53

In: 2212.097+/-0.293 χ^2/NDF:5818117.2/46

Out: 2215.194+/-0.283 χ^2/NDF:7768347.3/54

All: 2213.701+/-0.204 χ^2/NDF: 13586522.2/1

dit_asym_sam4_mean vs Slug, Sign Corrected



Right In: 60.151+/-86.043 χ^2/NDF: 16.2/23

Left Out: 284.913+/-70.036 χ^2/NDF:22.8/24

Right Out: 110.949+/-80.092 χ^2/NDF: 33.3/29

Left In: 364.163+/-71.714 χ^2/NDF:28.2/22

Left: 323.600+/-50.106 χ^2/NDF: 51.7/47

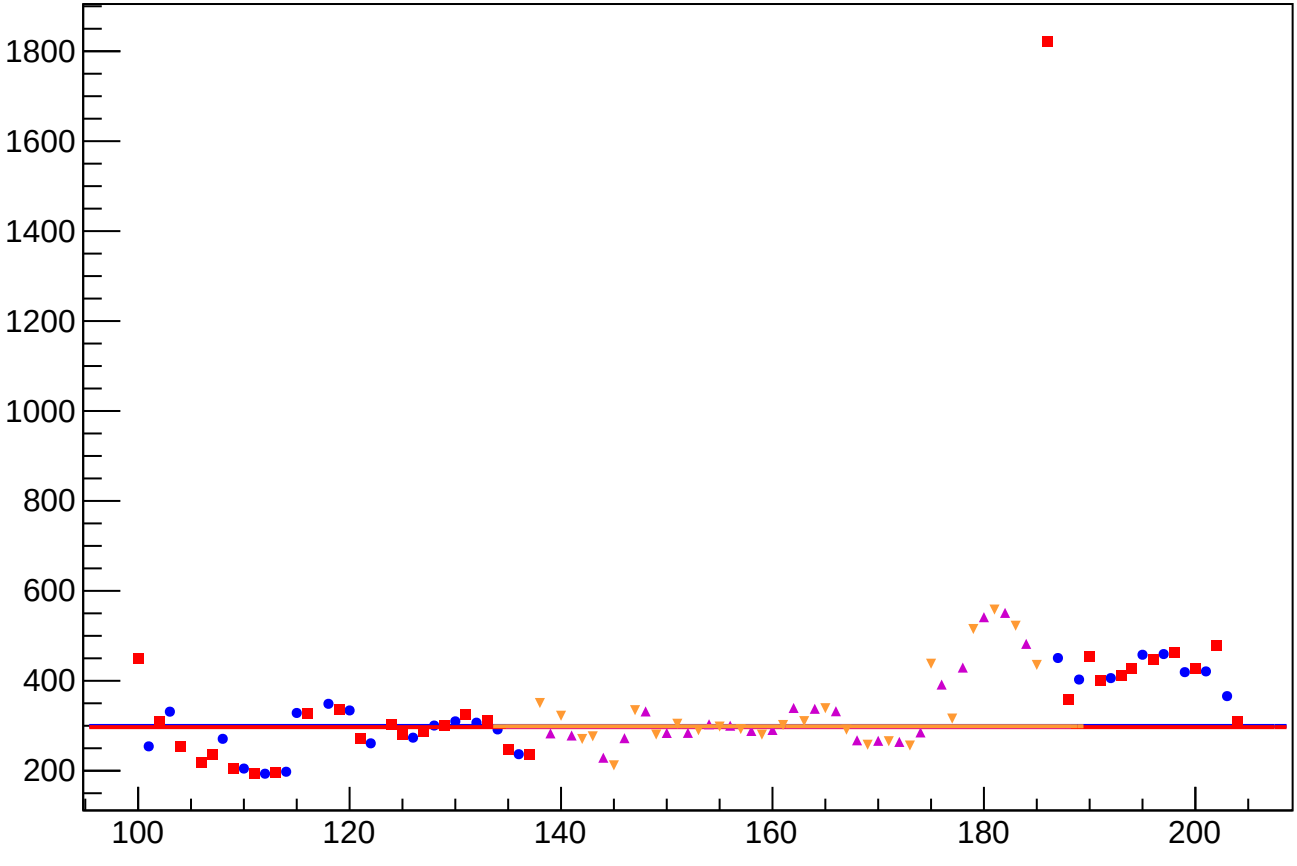
Right: 87.367+/-58.624 χ^2/NDF: 49.6/53

In: 239.544+/-55.088 χ^2/NDF:51.7/46

Out: 209.531+/-52.722 χ^2/NDF:58.8/54

All: 223.879+/-38.089 χ^2/NDF: 110.7/101

dit_asym_sam4_rms vs Slug, Sign Corrected



Right In: 299.616+/-0.061 χ^2/NDF: 1741675.9/23

Left Out: 298.938+/-0.050 χ^2/NDF:1613077.3/24

Right Out: 296.945+/-0.057 χ^2/NDF: 2800735.8/29

Left In: 297.885+/-0.051 χ^2/NDF:1319062.0/22

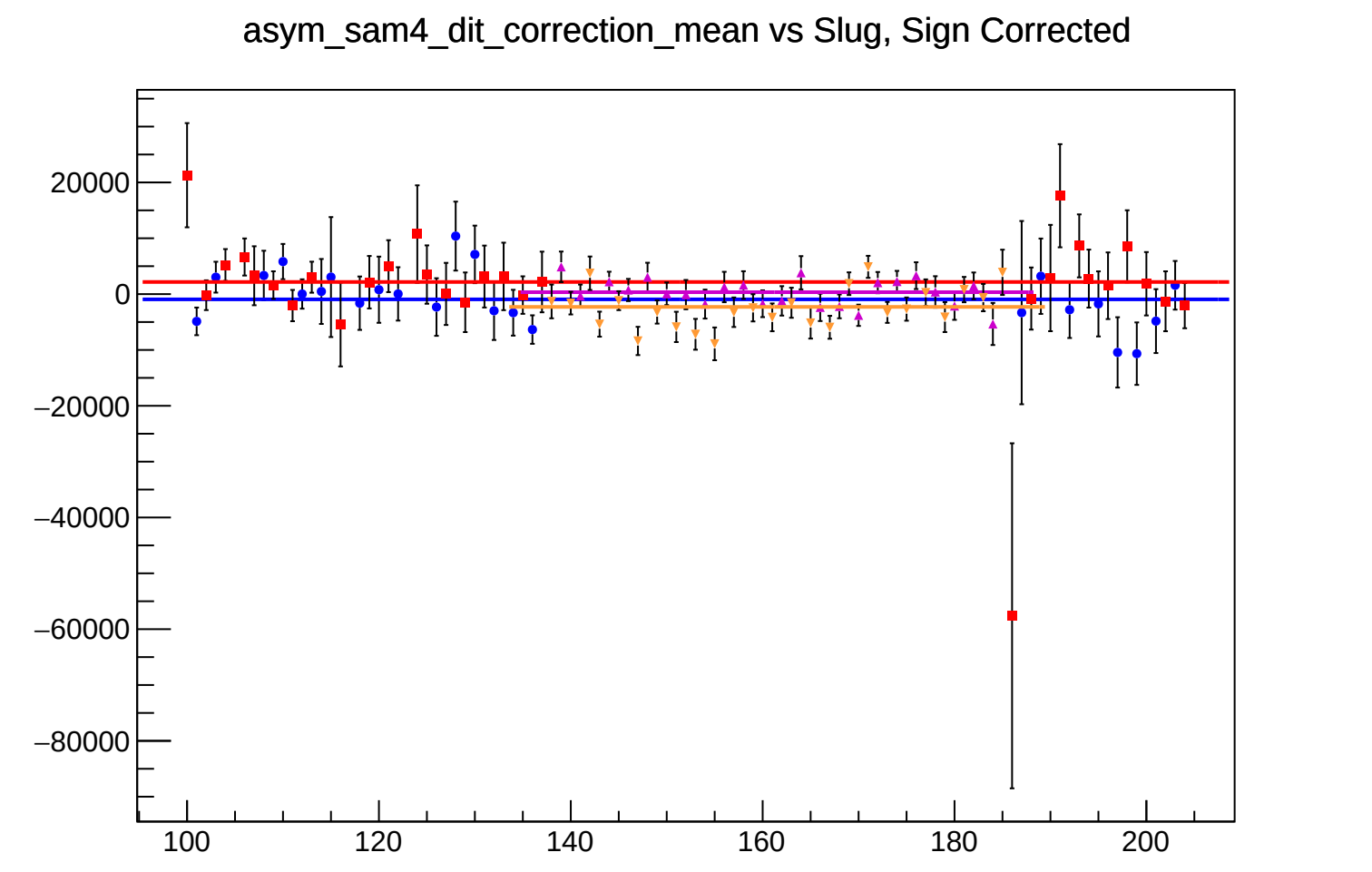
Left: 298.424+/-0.035 χ^2/NDF: 2932359.8/47

Right: 298.185+/-0.041 χ^2/NDF: 4543444.4/53

In: 298.595+/-0.039 χ^2/NDF:3061215.2/46

Out: 298.074+/-0.037 χ^2/NDF:4414515.2/54

All: 298.323+/-0.027 χ^2/NDF: 7475823.6/101



Right In: -939.619+/-866.827 χ^2/NDF: 28.1/23

Left Out: -2290.992+/-470.518 χ^2/NDF:51.7/24

Right Out: 2172.584+/-807.079 χ^2/NDF: 24.7/29

Left In: 342.609+/-483.605 χ^2/NDF:22.8/22

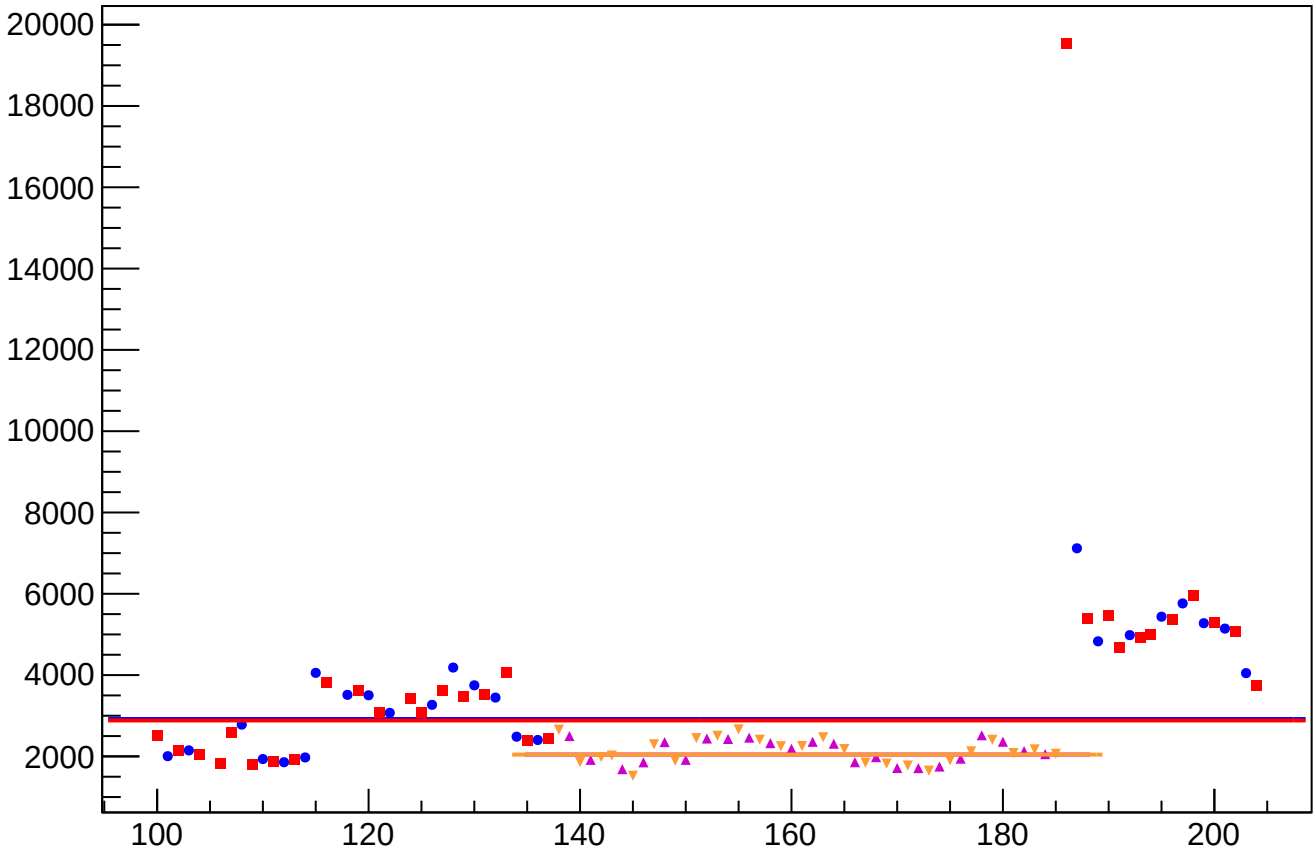
Left: -1010.309+/-337.238 χ^2/NDF: 89.7/47

Right: 727.427+/-590.685 χ^2/NDF: 59.7/53

In: 38.244+/-422.325 χ^2/NDF:52.6/46

Out: -1158.753+/-406.484 χ^2/NDF:99.2/54

All: -583.125+/-292.868 χ^2/NDF: 156.0/101



Right In: 2918.996+/-0.613 χ^2/NDF: 3547784.4/23

Left Out: 2043.746+/-0.333 χ^2/NDF:853391.4/24

Right Out: 2884.008+/-0.571 χ^2/NDF: 5126129.3/29

Left In: 2045.178+/-0.342 χ^2/NDF:690219.7/22

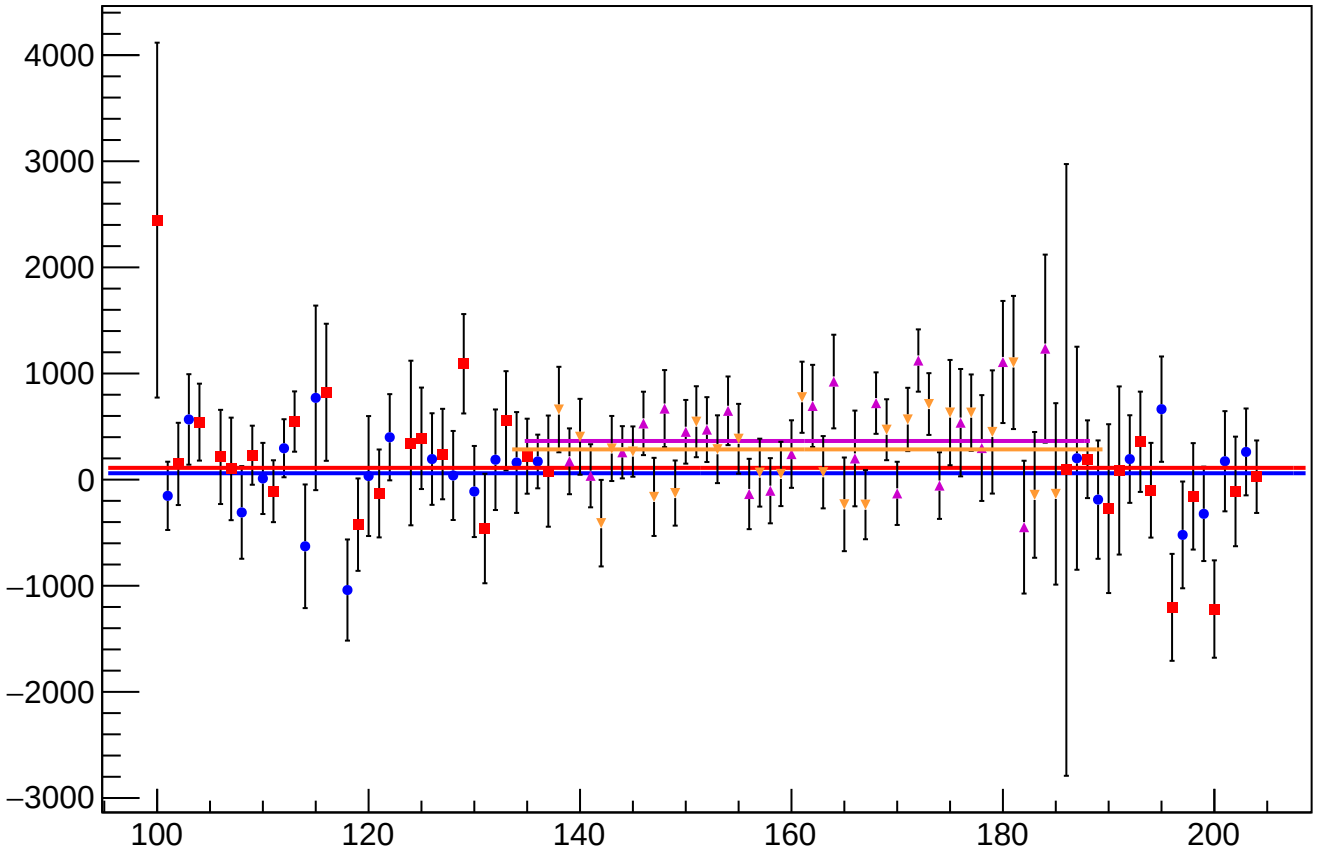
Left: 2044.442+/-0.238 χ^2/NDF: 1543620.1/47

Right: 2900.255+/-0.418 χ^2/NDF: 8675659.1/53

In: 2252.598+/-0.299 χ^2/NDF:5787960.9/46

Out: 2256.888+/-0.287 χ^2/NDF:7597464.6/54

All: 2254.825+/-0.207 χ^2/NDF: 13385532.6/1



Right In: 60.155+/-86.043 χ^2/NDF: 16.2/23

Left Out: 284.918+/-70.036 χ^2/NDF:22.8/24

Right Out: 110.949+/-80.092 χ^2/NDF: 33.3/29

Left In: 364.164+/-71.714 χ^2/NDF:28.2/22

Left: 323.603+/-50.106 χ^2/NDF: 51.7/47

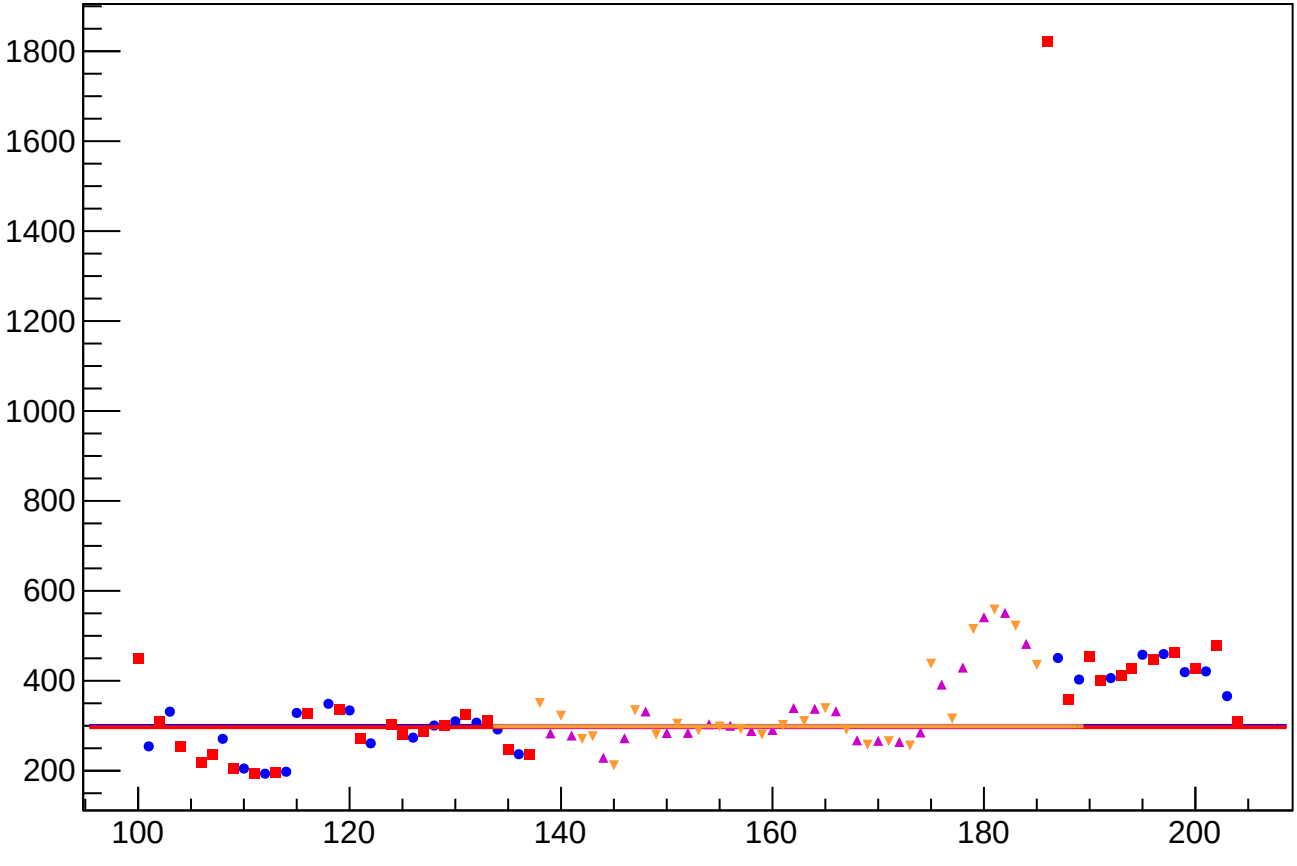
Right: 87.369+/-58.624 χ^2/NDF: 49.6/53

In: 239.546+/-55.088 χ^2/NDF:51.7/46

Out: 209.533+/-52.722 χ^2/NDF:58.8/54

All: 223.881+/-38.089 χ^2/NDF: 110.7/101

eigen_dit_asym_sam4_rms vs Slug, Sign Corrected



Right In: 299.616+/-0.061 χ^2/NDF: 1741662.9/23

Left Out: 298.938+/-0.050 χ^2/NDF:1613074.5/24

Right Out: 296.944+/-0.057 χ^2/NDF: 2800741.7/29

Left In: 297.885+/-0.051 χ^2/NDF:1319043.7/22

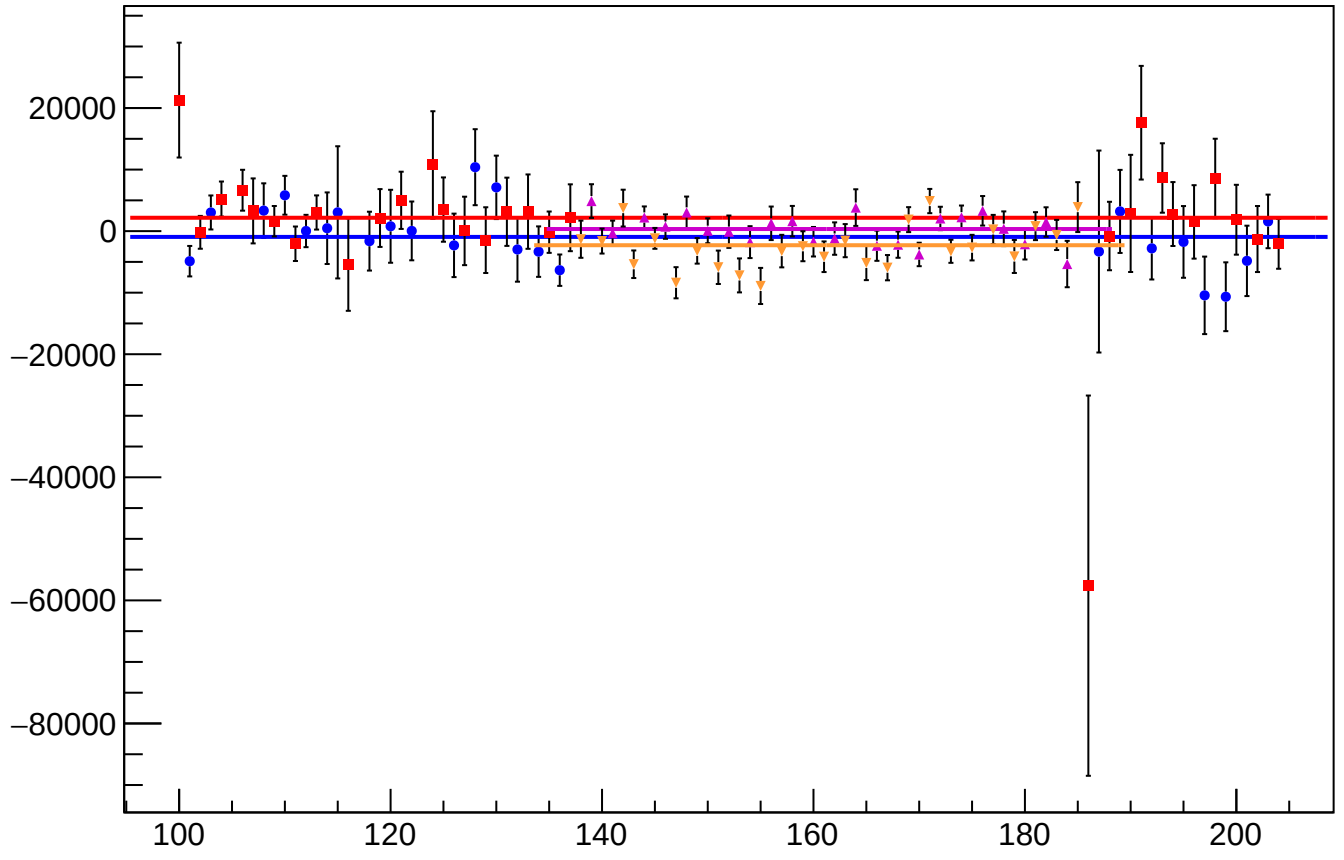
Left: 298.424+/-0.035 χ^2/NDF: 2932338.7/47

Right: 298.184+/-0.041 χ^2/NDF: 4543437.3/53

In: 298.595+/-0.039 χ^2/NDF:3061183.7/46

Out: 298.074+/-0.037 χ^2/NDF:4414518.5/54

All: 298.323+/-0.027 χ^2/NDF: 7475795.4/101



Right In: -939.618+/-866.826 χ^2/NDF: 28.1/23

Left Out: -2290.986+/-470.517 χ^2/NDF:51.7/24

Right Out: 2172.582+/-807.078 χ^2/NDF: 24.7/29

Left In: 342.606+/-483.604 χ^2/NDF:22.8/22

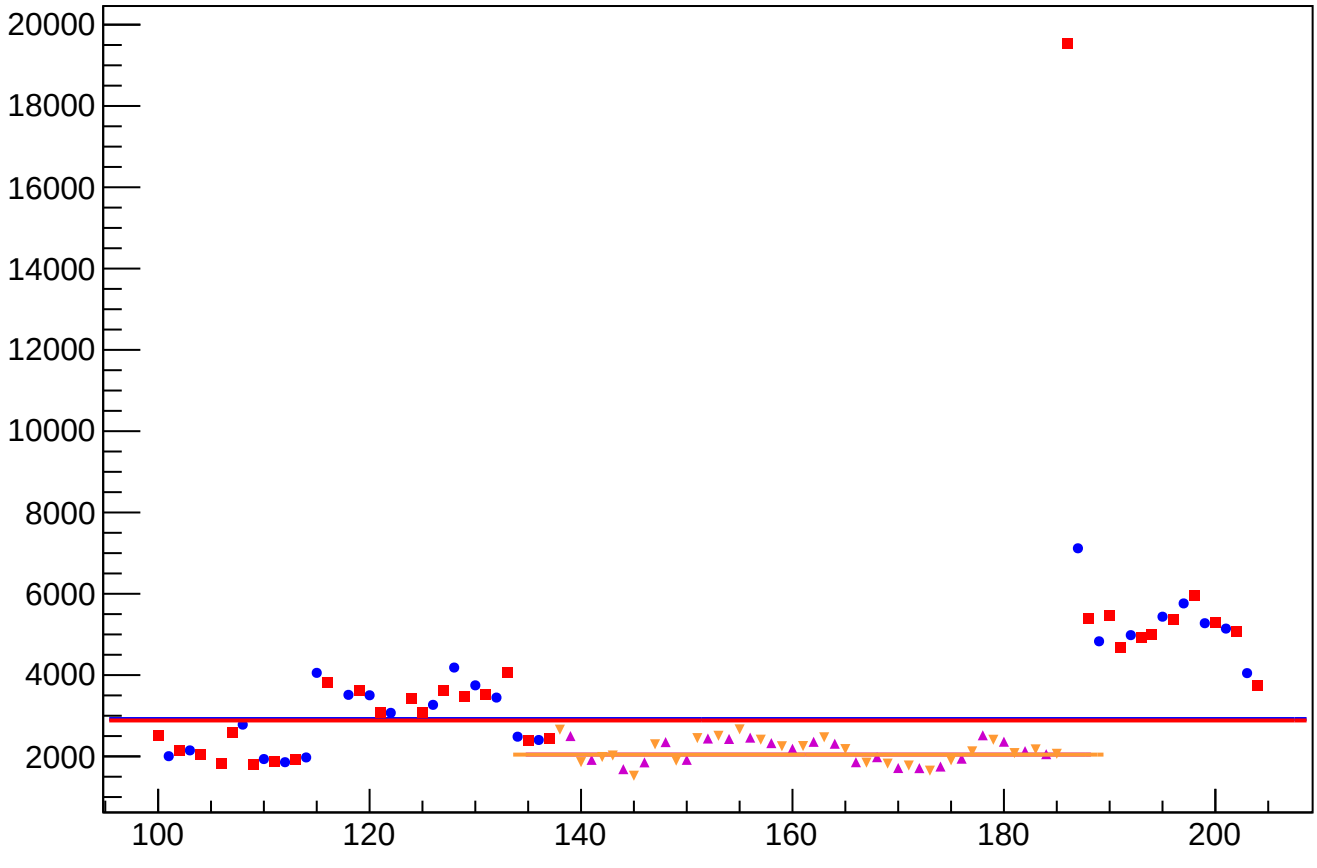
Left: -1010.308+/-337.238 χ^2/NDF: 89.7/47

Right: 727.427+/-590.684 χ^2/NDF: 59.7/53

In: 38.242+/-422.325 χ^2/NDF:52.6/46

Out: -1158.750+/-406.484 χ^2/NDF:99.2/54

All: -583.124+/-292.867 χ^2/NDF: 156.0/101



Right In: 2918.994+/-0.613 χ^2/NDF: 3547782.1/23

Left Out: 2043.742+/-0.333 χ^2/NDF:853393.7/24

Right Out: 2884.006+/-0.571 χ^2/NDF: 5126123.9/29

Left In: 2045.175+/-0.342 χ^2/NDF:690218.2/22

Left: 2044.439+/-0.238 χ^2/NDF: 1543620.9/47

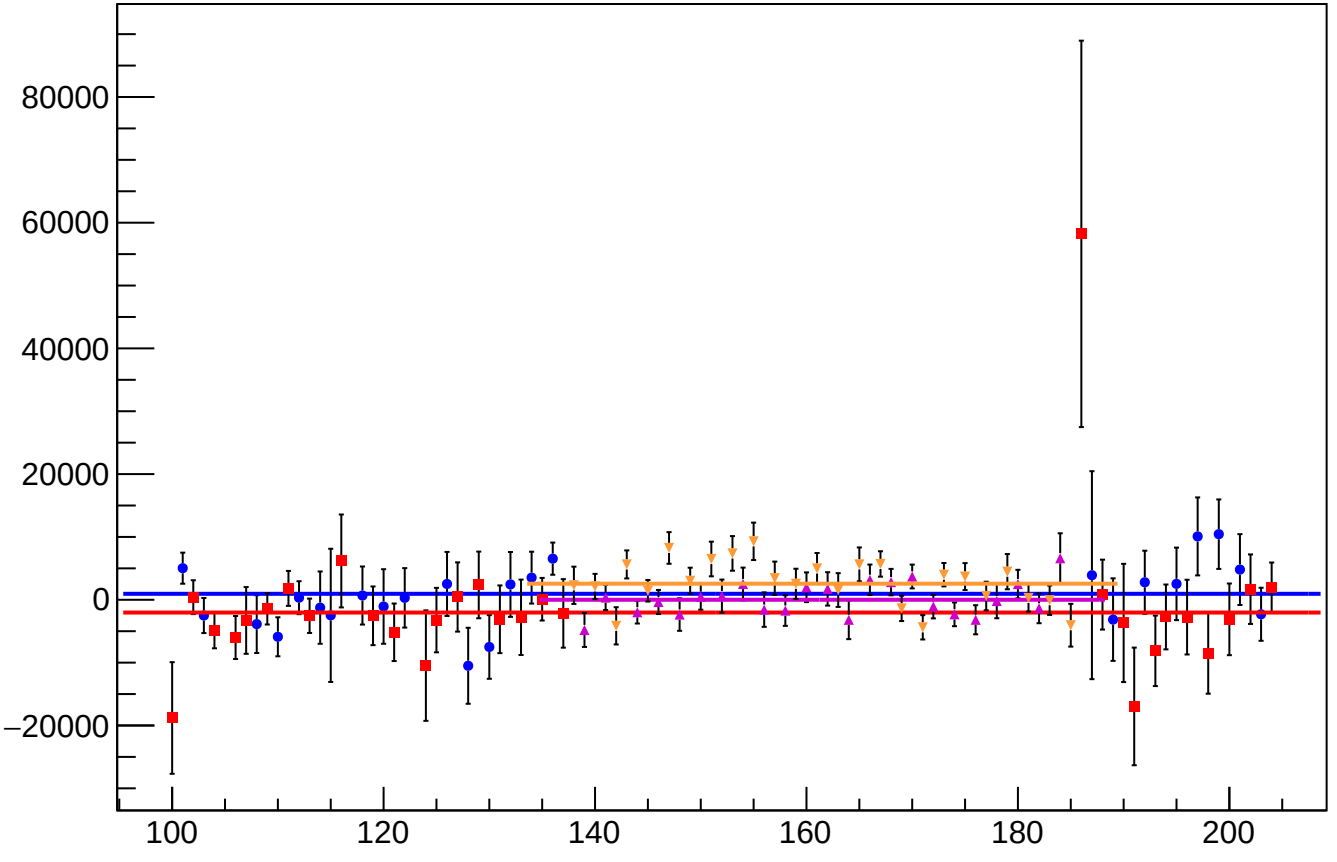
Right: 2900.253+/-0.418 χ^2/NDF: 8675651.3/53

In: 2252.595+/-0.299 χ^2/NDF:5787962.7/46

Out: 2256.885+/-0.287 χ^2/NDF:7597468.1/54

All: 2254.822+/-0.207 χ^2/NDF: 13385537.8/1

asym_sam4_mean vs Slug, Sign Corrected



Right In: 951.279+/-862.418 χ^2/NDF: 29.2/23

Left Out: 2559.048+/-465.944 χ^2/NDF:52.7/24

Right Out: -2029.001+/-805.688 χ^2/NDF: 23.3/29

Left In: 3.474+/-478.514 χ^2/NDF:24.7/22

Left: 1315.267+/-333.828 χ^2/NDF: 92.0/47

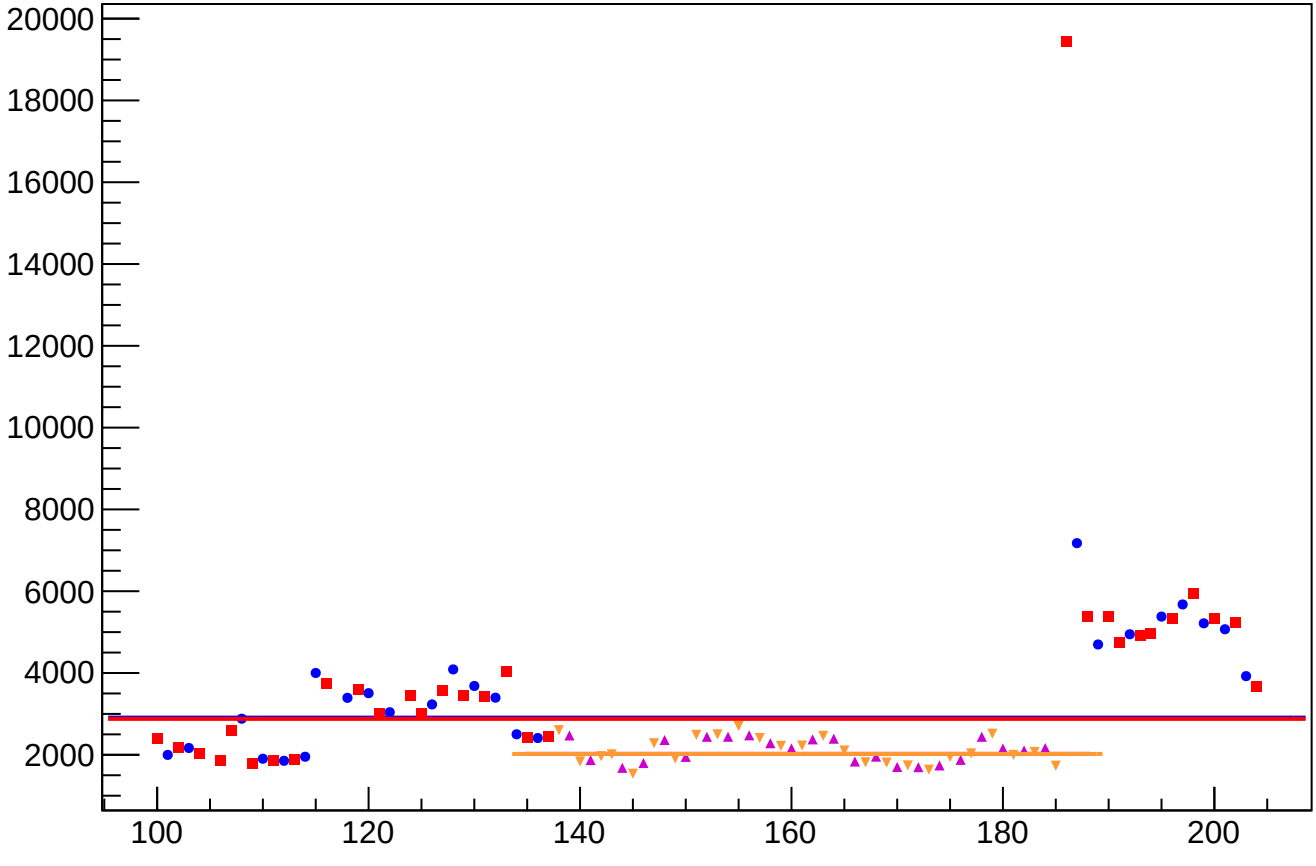
Right: -640.100+/-588.742 χ^2/NDF: 58.8/53

In: 226.580+/-418.421 χ^2/NDF:54.8/46

Out: 1409.150+/-403.350 χ^2/NDF:100.2/54

All: 839.545+/-290.394 χ^2/NDF: 159.1/101

asym_sam4_rms vs Slug, Sign Corrected



Right In: 2909.351+/-0.610 χ^2/NDF: 3444914.5/23

Left Out: 2021.266+/-0.329 χ^2/NDF:881370.9/24

Right Out: 2878.800+/-0.570 χ^2/NDF: 5100860.8/29

Left In: 2023.284+/-0.338 χ^2/NDF:696055.4/22

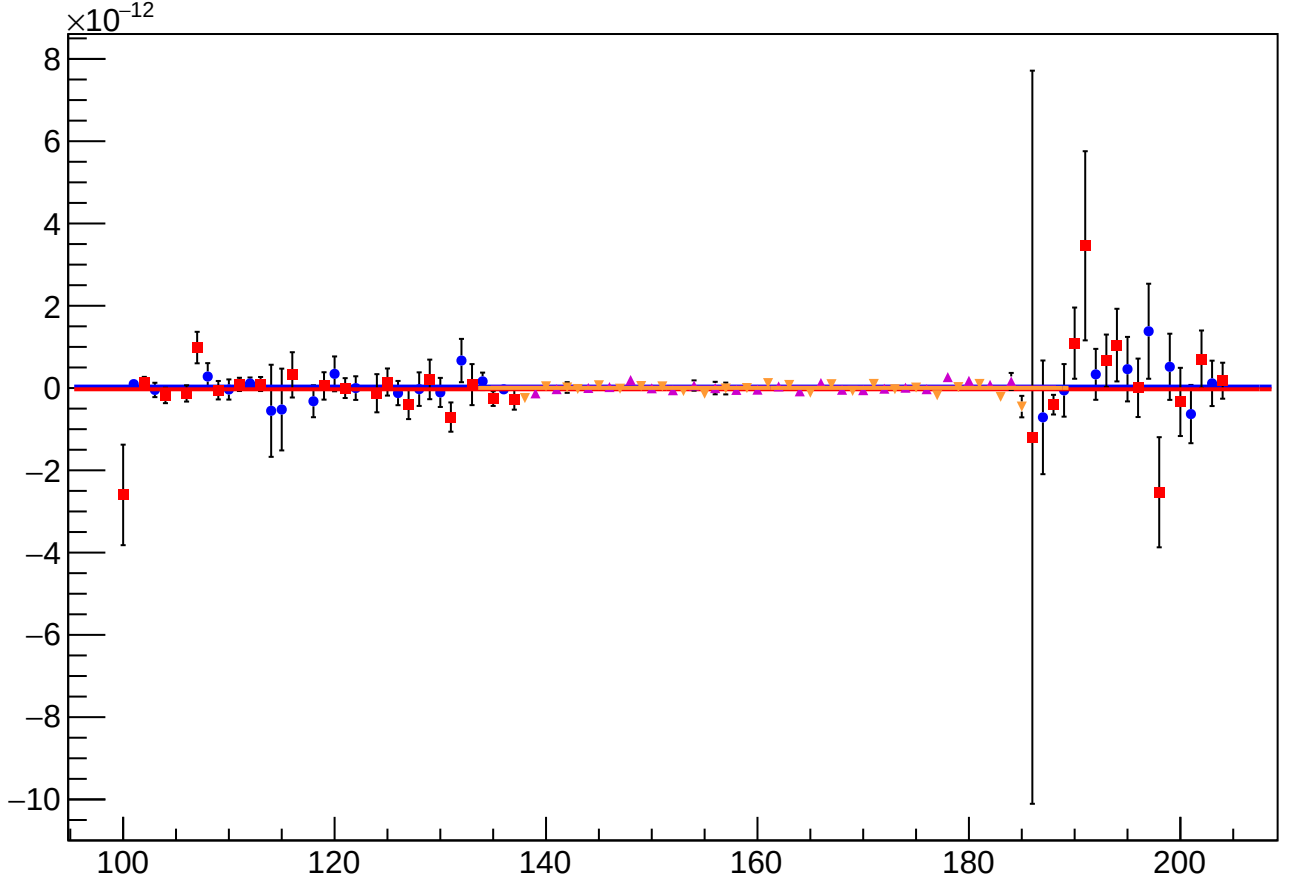
Left: 2022.248+/-0.236 χ^2/NDF: 1577444.6/47

Right: 2893.038+/-0.416 χ^2/NDF: 8547115.6/53

In: 2231.857+/-0.296 χ^2/NDF:5755206.5/46

Out: 2236.189+/-0.285 χ^2/NDF:7680070.7/54

All: 2234.102+/-0.205 χ^2/NDF: 13435388.2/1



Right In: 0.000+/-0.000 χ^2/NDF: 9.6/23

Left Out: 0.000+/-0.000 χ^2/NDF:32.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 37.2/29

Left In: 0.000+/-0.000 χ^2/NDF:20.8/22

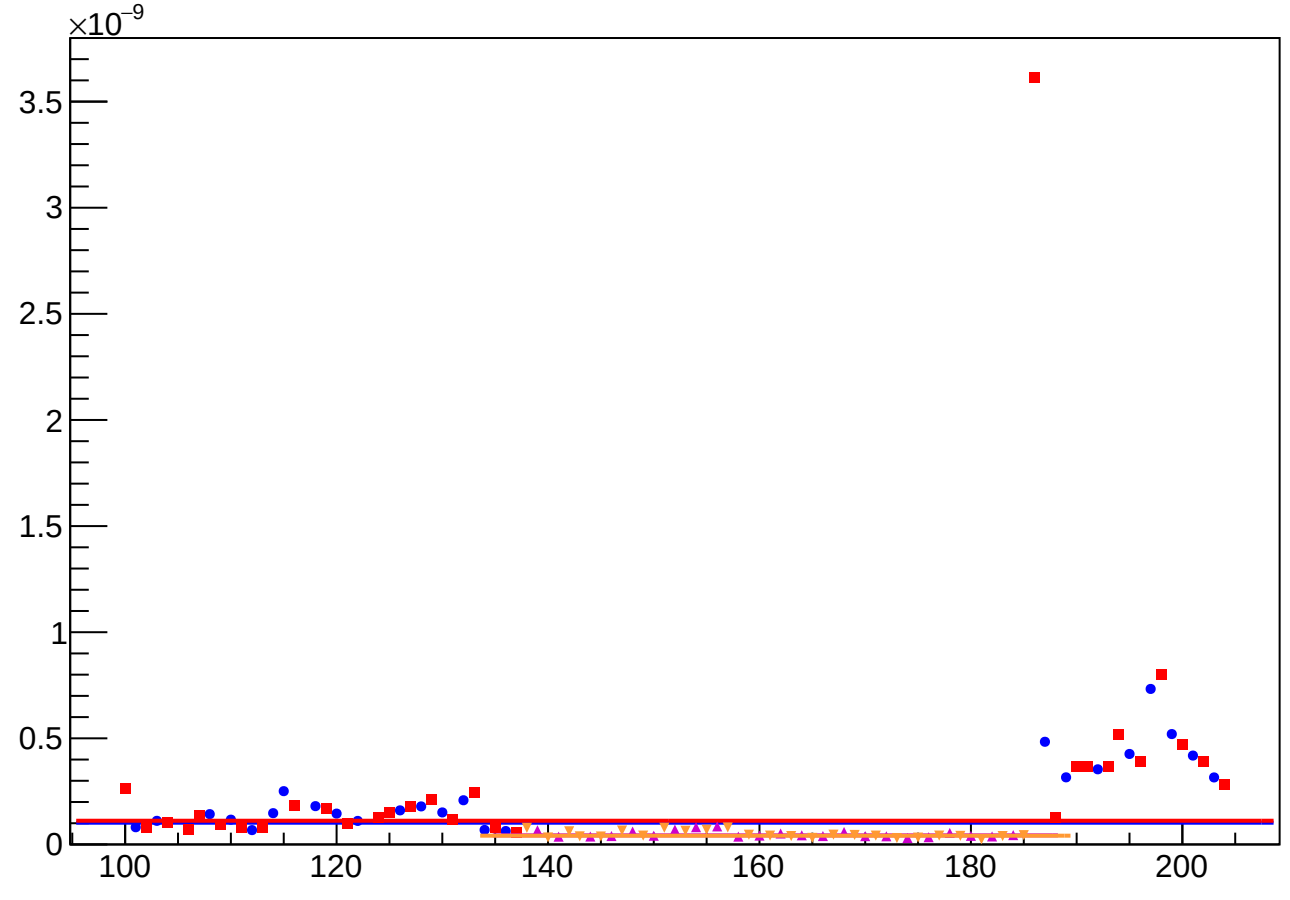
Left: 0.000+/-0.000 χ^2/NDF: 53.0/47

Right: 0.000+/-0.000 χ^2/NDF: 47.6/53

In: 0.000+/-0.000 χ^2/NDF:30.6/46

Out: 0.000+/-0.000 χ^2/NDF:69.7/54

All: 0.000+/-0.000 χ^2/NDF: 100.7/101



Right In: 0.000+/-0.000 χ^2/NDF: 3911859.1/23

Left Out: 0.000+/-0.000 χ^2/NDF:1235677.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4086622.1/29

Left In: 0.000+/-0.000 χ^2/NDF:931395.8/22

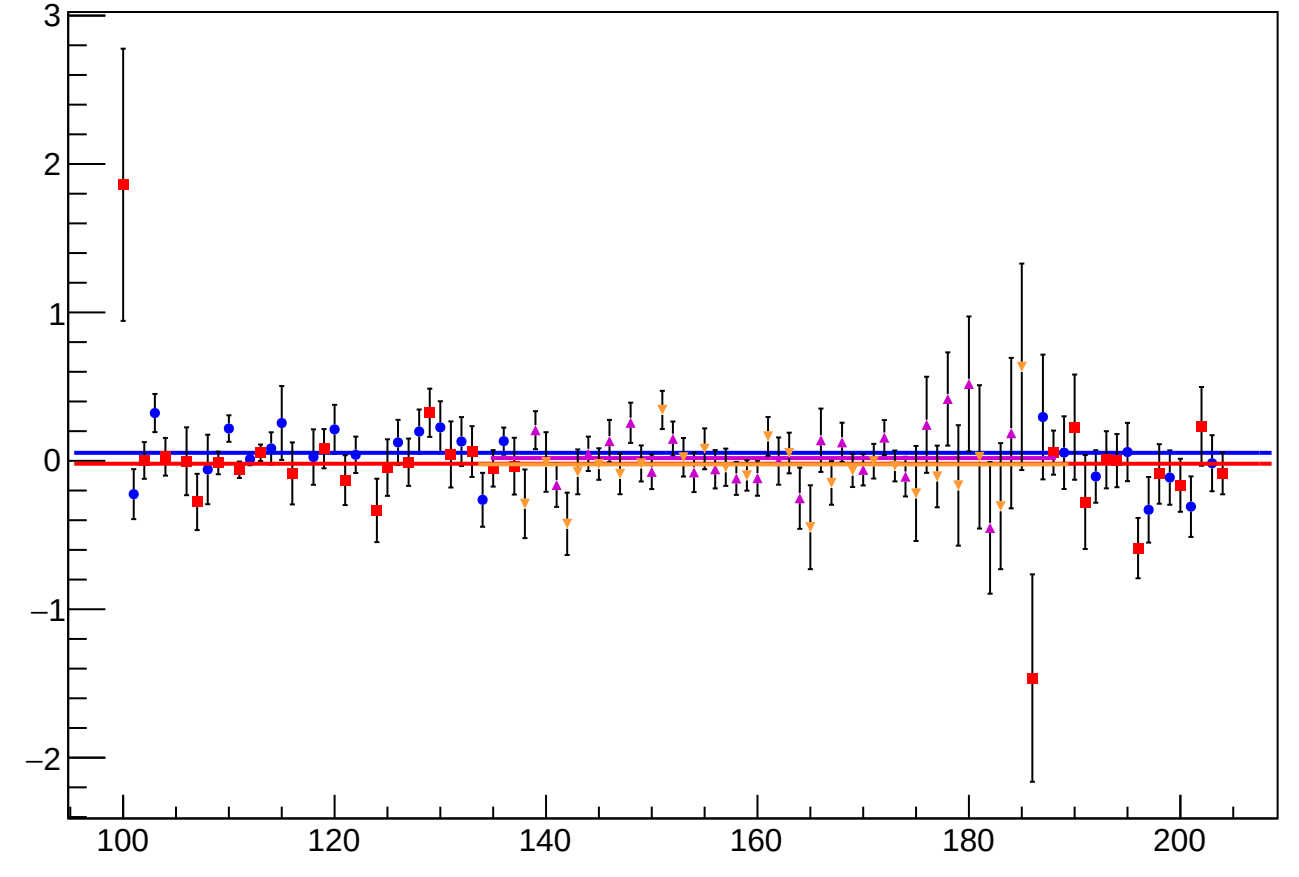
Left: 0.000+/-0.000 χ^2/NDF: 2176066.9/47

Right: 0.000+/-0.000 χ^2/NDF: 8029980.4/53

In: 0.000+/-0.000 χ^2/NDF:7256153.2/46

Out: 0.000+/-0.000 χ^2/NDF:8548667.9/54

All: 0.000+/-0.000 χ^2/NDF: 15816557.8/101



Right In: 0.054+/-0.025 χ^2/NDF: 27.8/23

Left Out: -0.024+/-0.030 χ^2/NDF:22.2/24

Right Out: -0.019+/-0.025 χ^2/NDF: 32.1/29

Left In: 0.019+/-0.030 χ^2/NDF:23.0/22

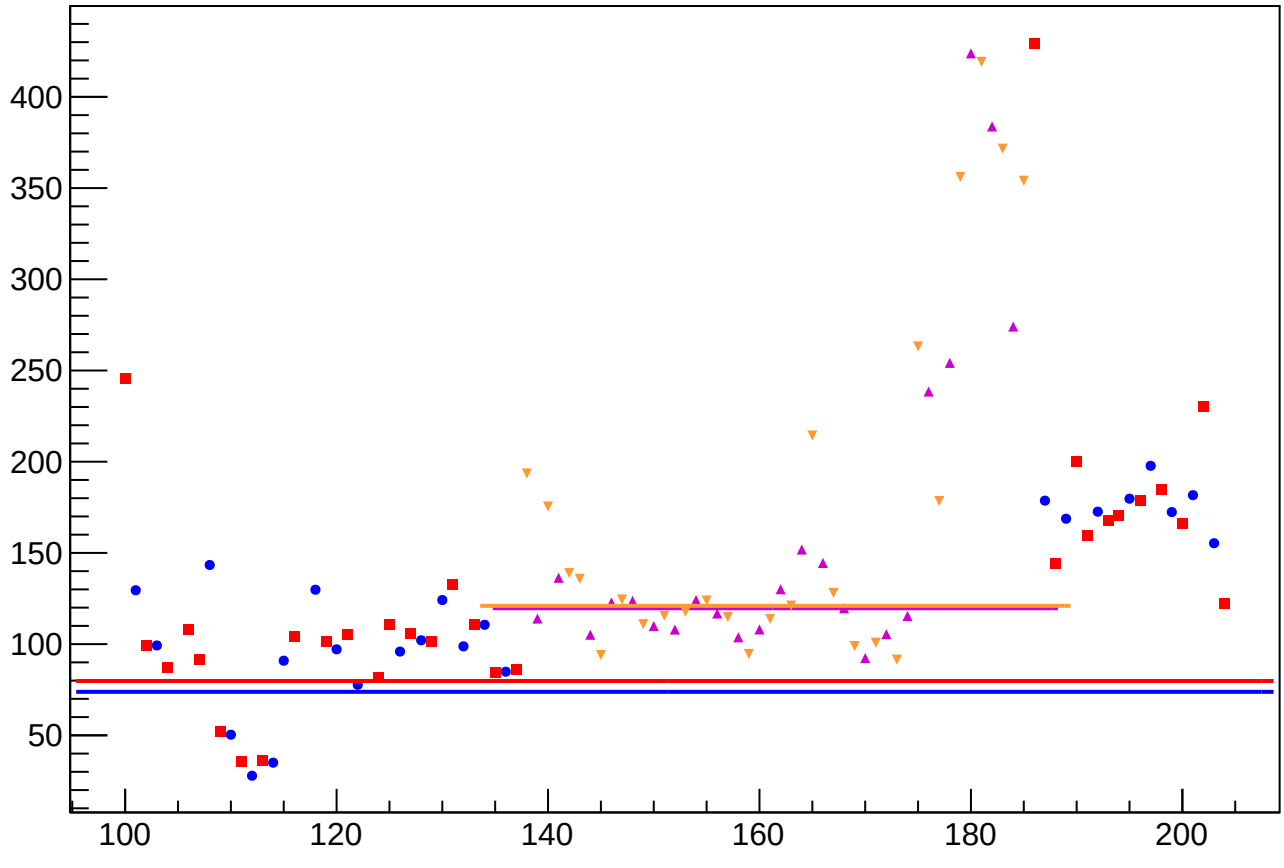
Left: -0.003+/-0.021 χ^2/NDF: 46.2/47

Right: 0.016+/-0.018 χ^2/NDF: 64.2/53

In: 0.039+/-0.019 χ^2/NDF:51.6/46

Out: -0.021+/-0.019 χ^2/NDF:54.3/54

All: 0.008+/-0.014 χ^2/NDF: 110.9/101



Right In: 73.850+/-0.018 χ^2/NDF: 7803247.6/23

Left Out: 120.999+/-0.021 χ^2/NDF:4095266.9/24

Right Out: 79.797+/-0.017 χ^2/NDF: 7862844.1/29

Left In: 119.679+/-0.021 χ^2/NDF:2838257.9/22

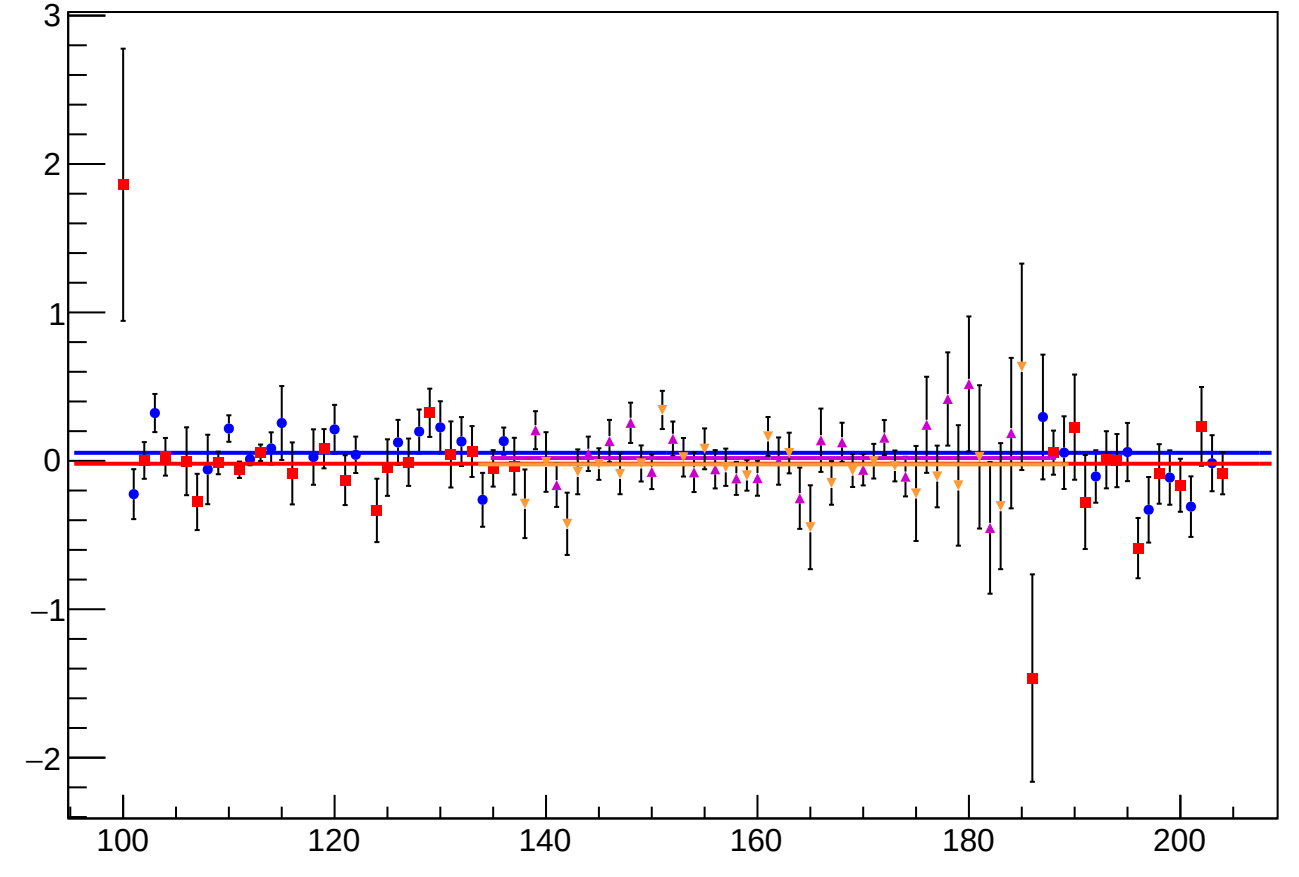
Left: 120.346+/-0.015 χ^2/NDF: 6935453.1/47

Right: 76.920+/-0.012 χ^2/NDF: 15722803.8/53

In: 92.797+/-0.014 χ^2/NDF:13338615.2/46

Out: 96.398+/-0.013 χ^2/NDF:14225218.6/54

All: 94.640+/-0.010 χ^2/NDF: 27598986.1/101



Right In: 0.054+/-0.025 χ^2/NDF: 27.8/23

Left Out: -0.024+/-0.030 χ^2/NDF:22.2/24

Right Out: -0.019+/-0.025 χ^2/NDF: 32.1/29

Left In: 0.019+/-0.030 χ^2/NDF:23.0/22

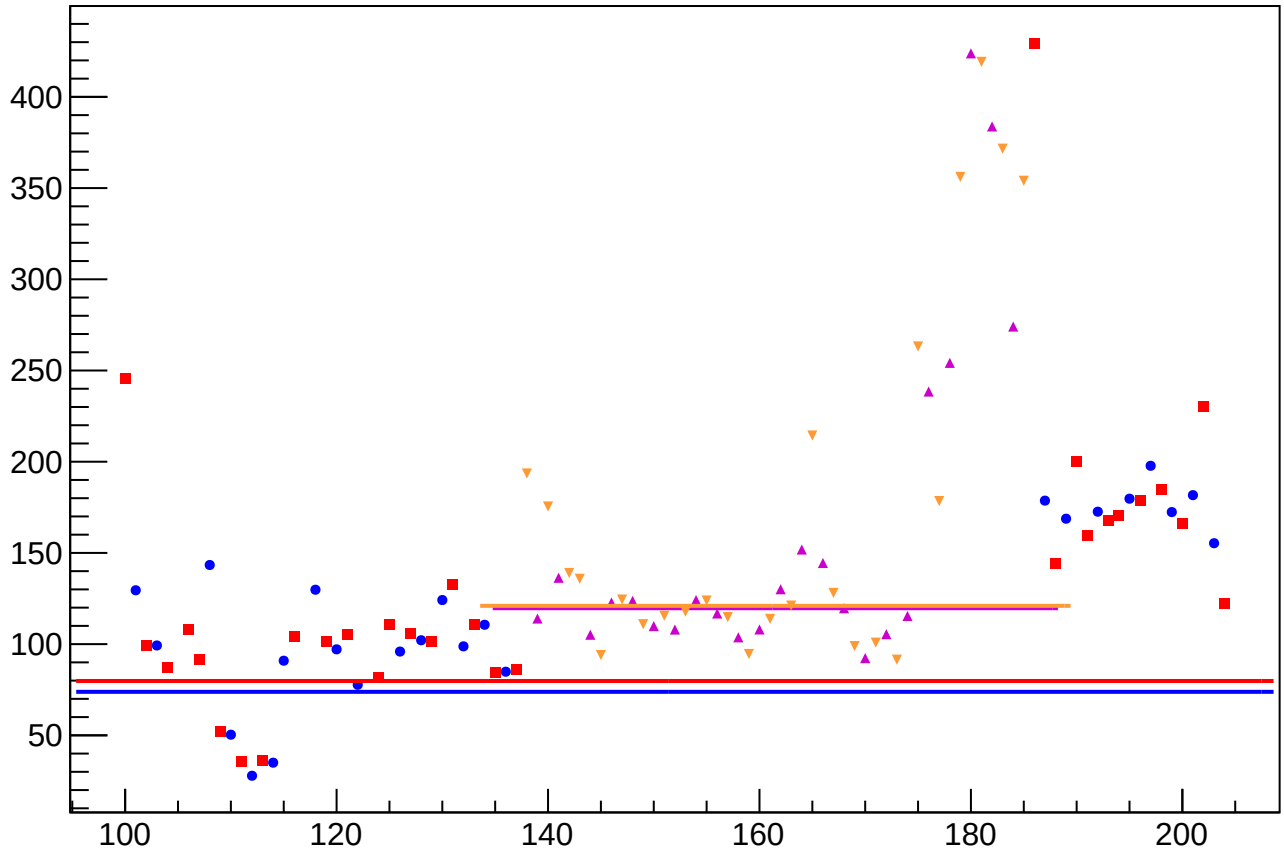
Left: -0.003+/-0.021 χ^2/NDF: 46.2/47

Right: 0.016+/-0.018 χ^2/NDF: 64.2/53

In: 0.039+/-0.019 χ^2/NDF:51.6/46

Out: -0.021+/-0.019 χ^2/NDF:54.3/54

All: 0.008+/-0.014 χ^2/NDF: 110.9/101



Right In: 73.850+/-0.018 χ^2/NDF: 7803247.6/23

Left Out: 120.999+/-0.021 χ^2/NDF:4095266.9/24

Right Out: 79.797+/-0.017 χ^2/NDF: 7862844.1/29

Left In: 119.679+/-0.021 χ^2/NDF:2838257.9/22

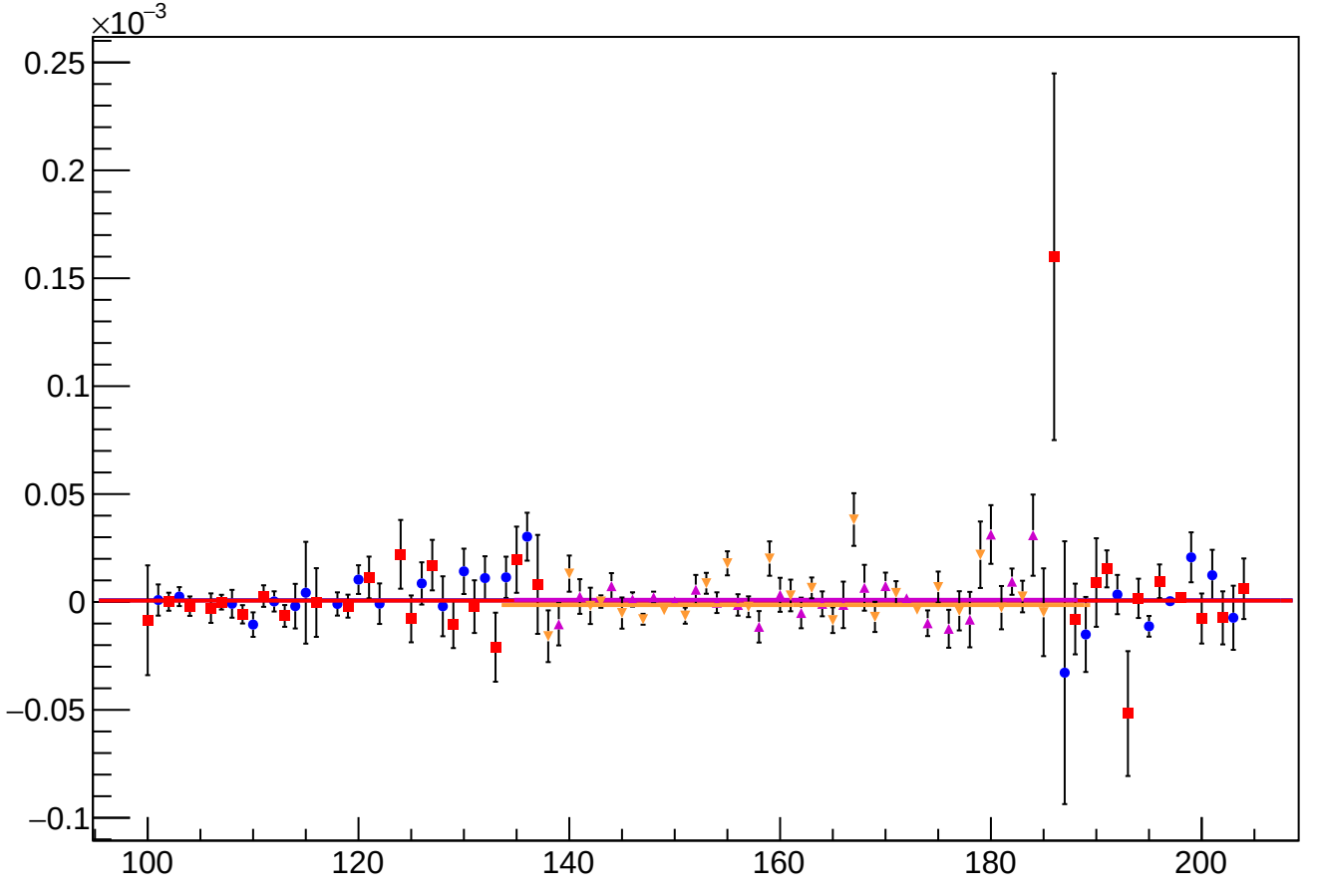
Left: 120.346+/-0.015 χ^2/NDF: 6935453.1/47

Right: 76.920+/-0.012 χ^2/NDF: 15722803.8/53

In: 92.797+/-0.014 χ^2/NDF:13338615.2/46

Out: 96.398+/-0.013 χ^2/NDF:14225218.6/54

All: 94.640+/-0.010 χ^2/NDF: 27598986.1/101



Right In: 0.000+/-0.000 χ^2/NDF: 29.9/23

Left Out: -0.000+/-0.000 χ^2/NDF:60.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 29.1/29

Left In: 0.000+/-0.000 χ^2/NDF:24.5/22

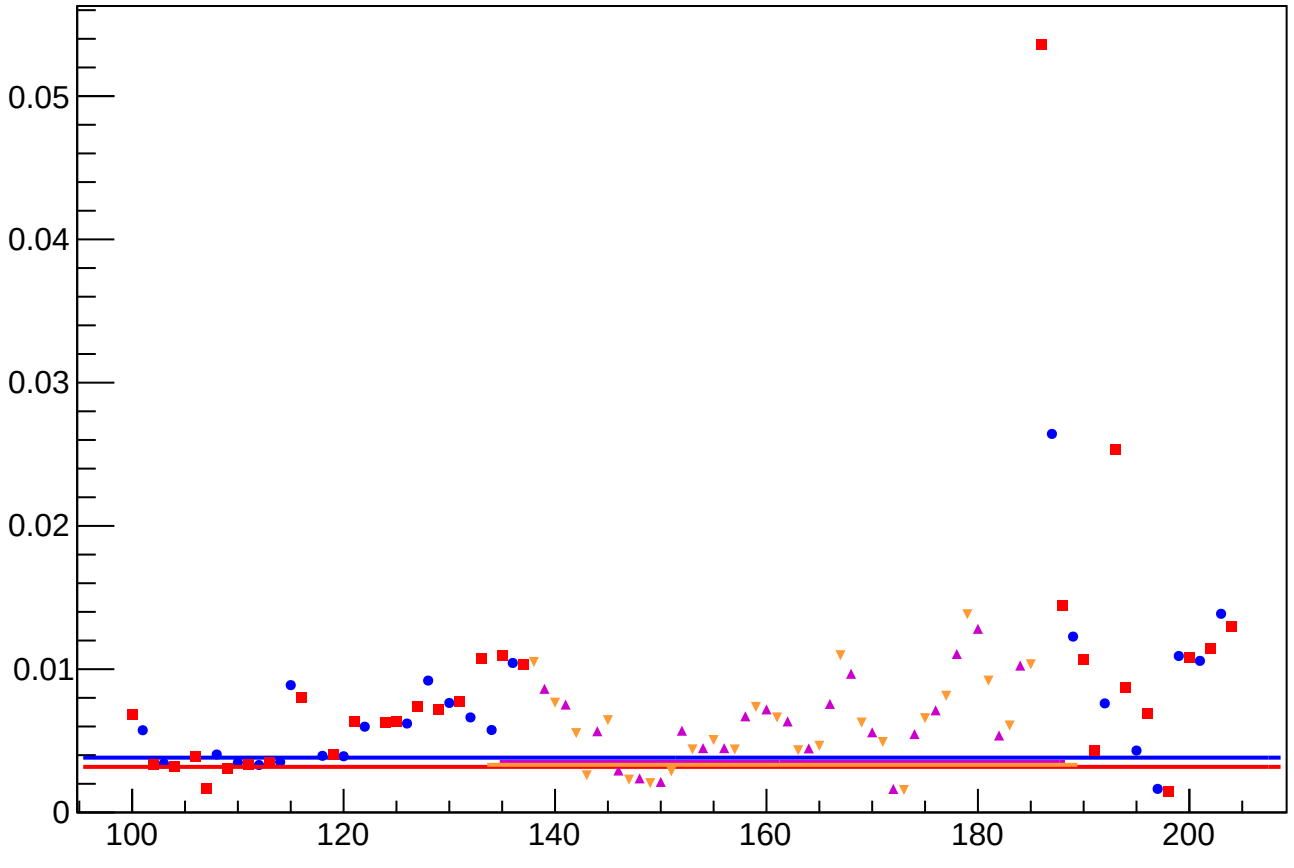
Left: -0.000+/-0.000 χ^2/NDF: 88.2/47

Right: 0.000+/-0.000 χ^2/NDF: 59.0/53

In: 0.000+/-0.000 χ^2/NDF:54.4/46

Out: -0.000+/-0.000 χ^2/NDF:91.7/54

All: 0.000+/-0.000 χ^2/NDF: 148.1/101



Right In: 0.004+/-0.000 χ^2/NDF: 7471388.2/23

Left Out: 0.003+/-0.000 χ^2/NDF:10486084.0/24

Right Out: 0.003+/-0.000 χ^2/NDF: 12322047.2/29

Left In: 0.004+/-0.000 χ^2/NDF:9426441.5/22

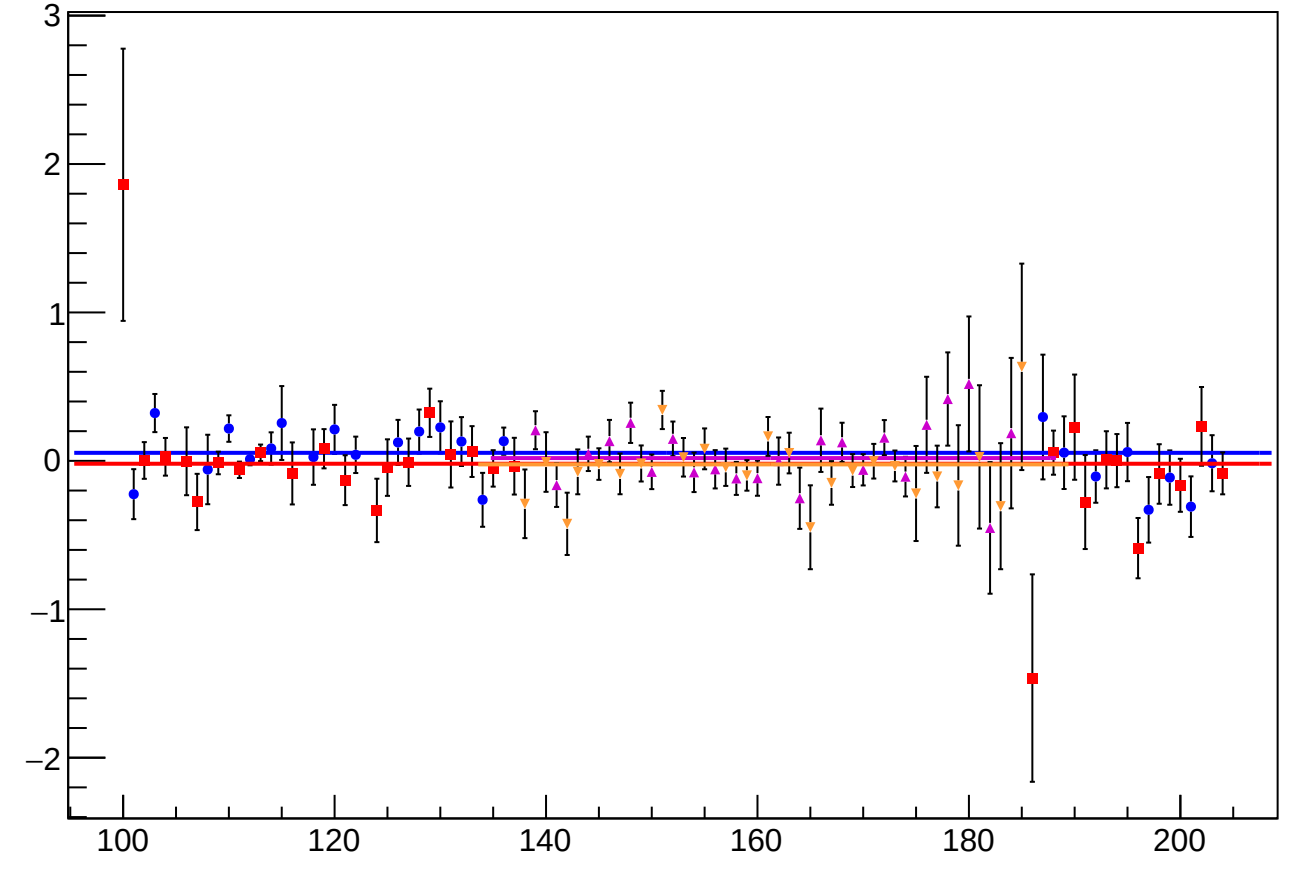
Left: 0.003+/-0.000 χ^2/NDF: 19955580.6/47

Right: 0.003+/-0.000 χ^2/NDF: 20086561.9/53

In: 0.004+/-0.000 χ^2/NDF:16966896.4/46

Out: 0.003+/-0.000 χ^2/NDF:22829674.5/54

All: 0.003+/-0.000 χ^2/NDF: 40043475.7/101



Right In: 0.054+/-0.025 χ^2/NDF: 27.8/23

Left Out: -0.024+/-0.030 χ^2/NDF:22.2/24

Right Out: -0.019+/-0.025 χ^2/NDF: 32.1/29

Left In: 0.019+/-0.030 χ^2/NDF:23.0/22

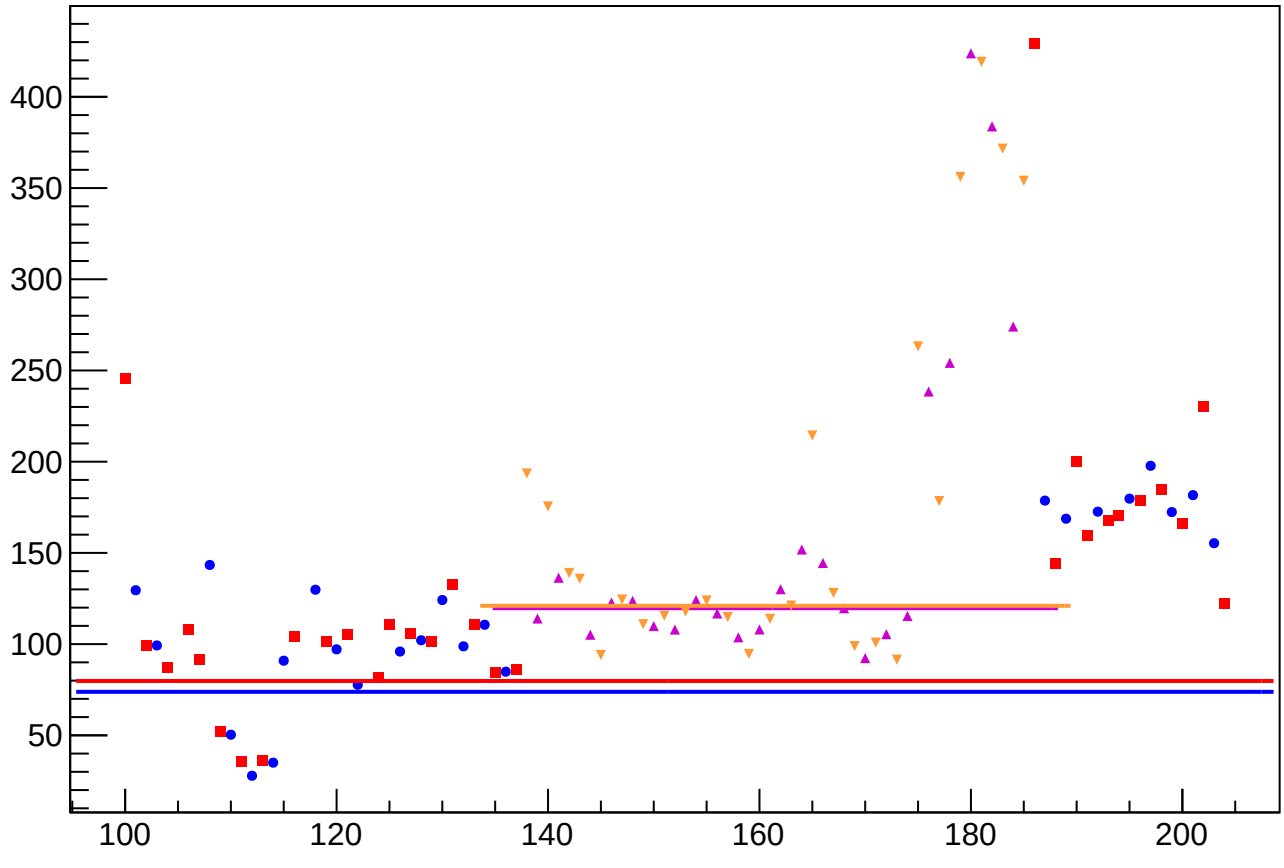
Left: -0.003+/-0.021 χ^2/NDF: 46.2/47

Right: 0.016+/-0.018 χ^2/NDF: 64.2/53

In: 0.039+/-0.019 χ^2/NDF:51.6/46

Out: -0.021+/-0.019 χ^2/NDF:54.3/54

All: 0.008+/-0.014 χ^2/NDF: 110.9/101



Right In: 73.848+/-0.018 χ^2/NDF: 7803616.4/23

Left Out: 121.000+/-0.021 χ^2/NDF:4095210.5/24

Right Out: 79.795+/-0.017 χ^2/NDF: 7863293.5/29

Left In: 119.680+/-0.021 χ^2/NDF:2838196.2/22

Left: 120.347+/-0.015 χ^2/NDF: 6935335.2/47

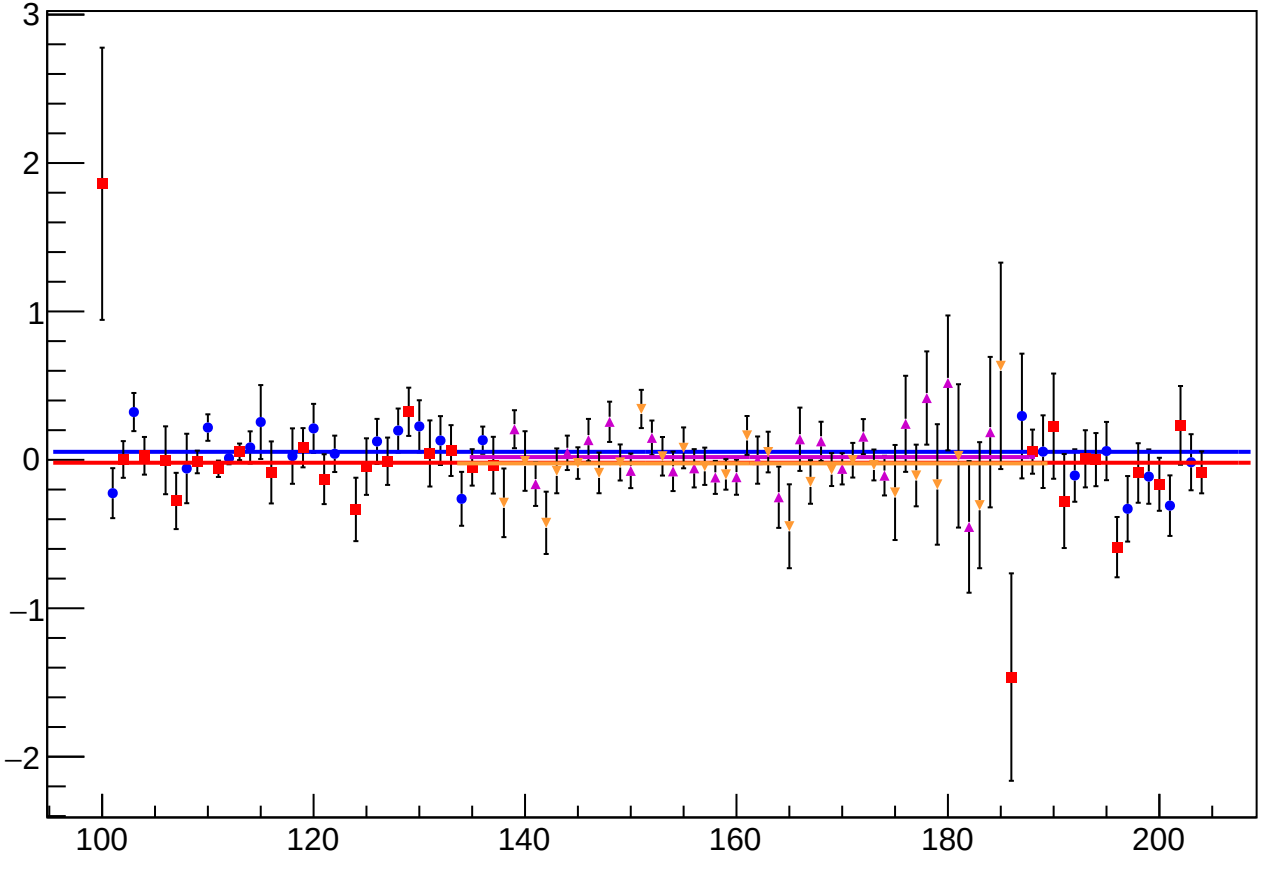
Right: 76.918+/-0.012 χ^2/NDF: 15723630.7/53

In: 92.795+/-0.014 χ^2/NDF:13339330.6/46

Out: 96.397+/-0.013 χ^2/NDF:14225944.5/54

All: 94.638+/-0.010 χ^2/NDF: 27600435.4/101

asym_sam4_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.054+/-0.025 χ^2/NDF: 27.8/23

Left Out: -0.024+/-0.030 χ^2/NDF:22.2/24

Right Out: -0.019+/-0.025 χ^2/NDF: 32.1/29

Left In: 0.019+/-0.030 χ^2/NDF:23.0/22

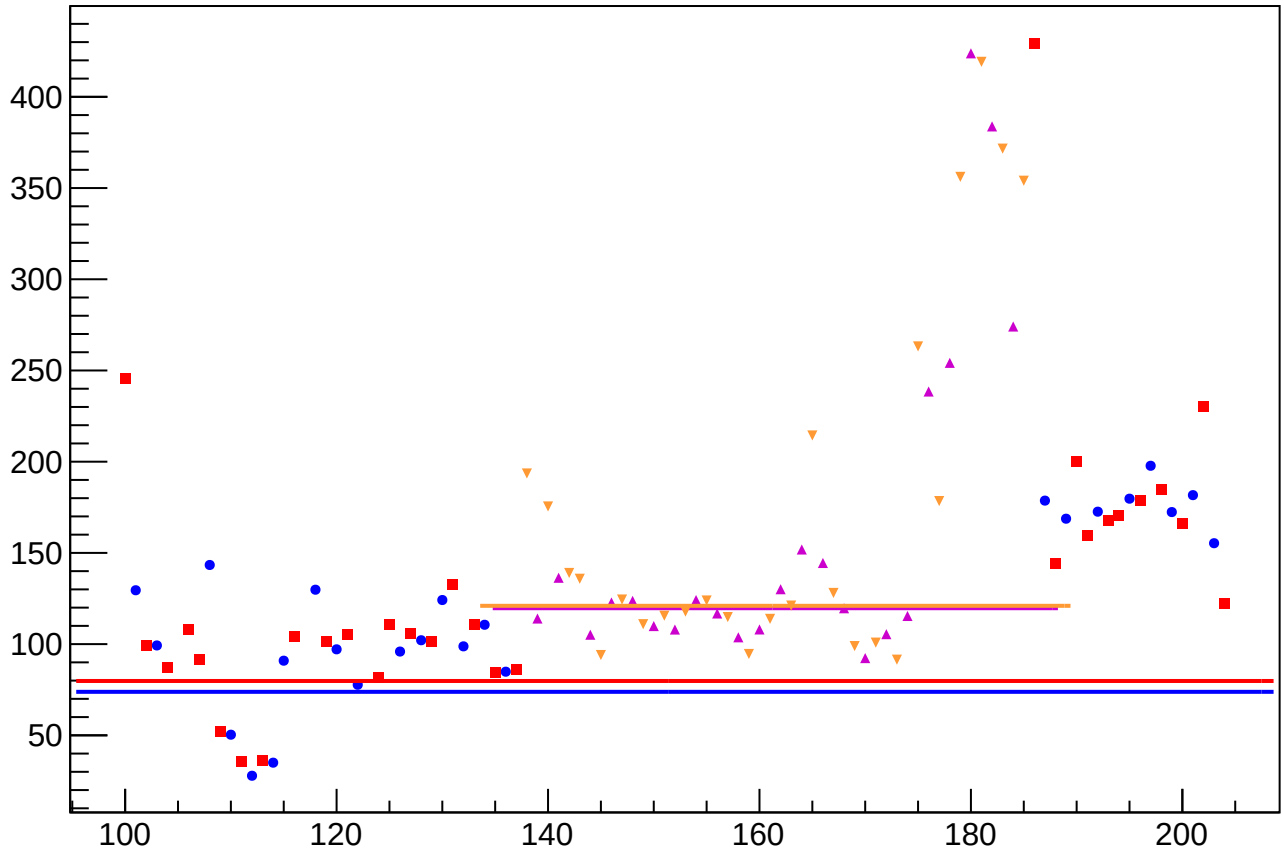
Left: -0.003+/-0.021 χ^2/NDF: 46.2/47

Right: 0.016+/-0.018 χ^2/NDF: 64.2/53

In: 0.039+/-0.019 χ^2/NDF:51.6/46

Out: -0.021+/-0.019 χ^2/NDF:54.3/54

All: 0.008+/-0.014 χ^2/NDF: 110.9/101



Right In: 73.848+/-0.018 χ^2/NDF: 7803616.4/23

Left Out: 121.000+/-0.021 χ^2/NDF:4095210.5/24

Right Out: 79.795+/-0.017 χ^2/NDF: 7863293.5/29

Left In: 119.680+/-0.021 χ^2/NDF:2838196.2/22

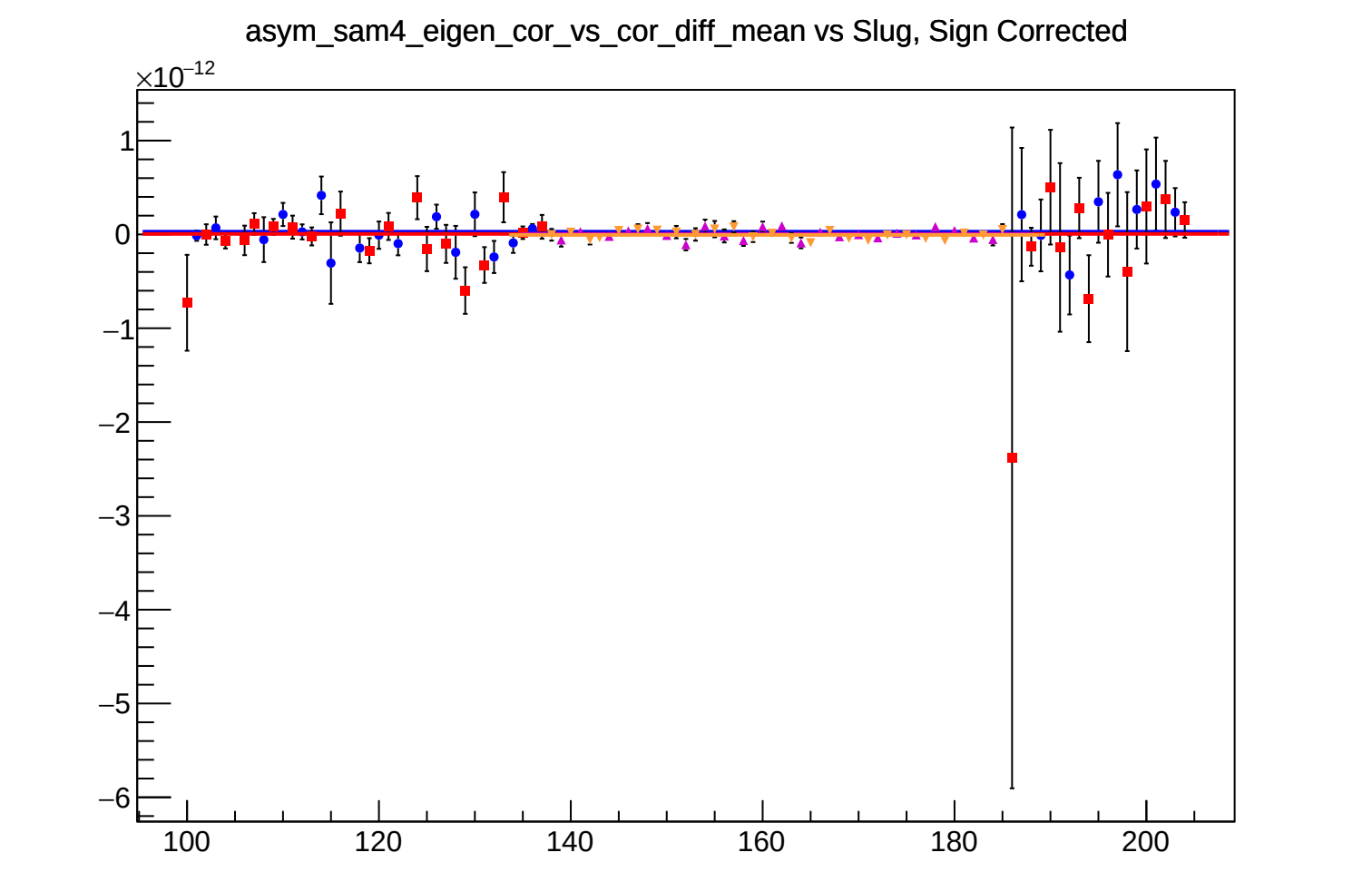
Left: 120.347+/-0.015 χ^2/NDF: 6935335.2/47

Right: 76.918+/-0.012 χ^2/NDF: 15723630.7/53

In: 92.795+/-0.014 χ^2/NDF:13339330.6/46

Out: 96.397+/-0.013 χ^2/NDF:14225944.5/54

All: 94.638+/-0.010 χ^2/NDF: 27600435.4/101



Right In: 0.000+/-0.000 χ^2/NDF: 21.9/23

Left Out: -0.000+/-0.000 χ^2/NDF:22.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 29.6/29

Left In: 0.000+/-0.000 χ^2/NDF:27.6/22

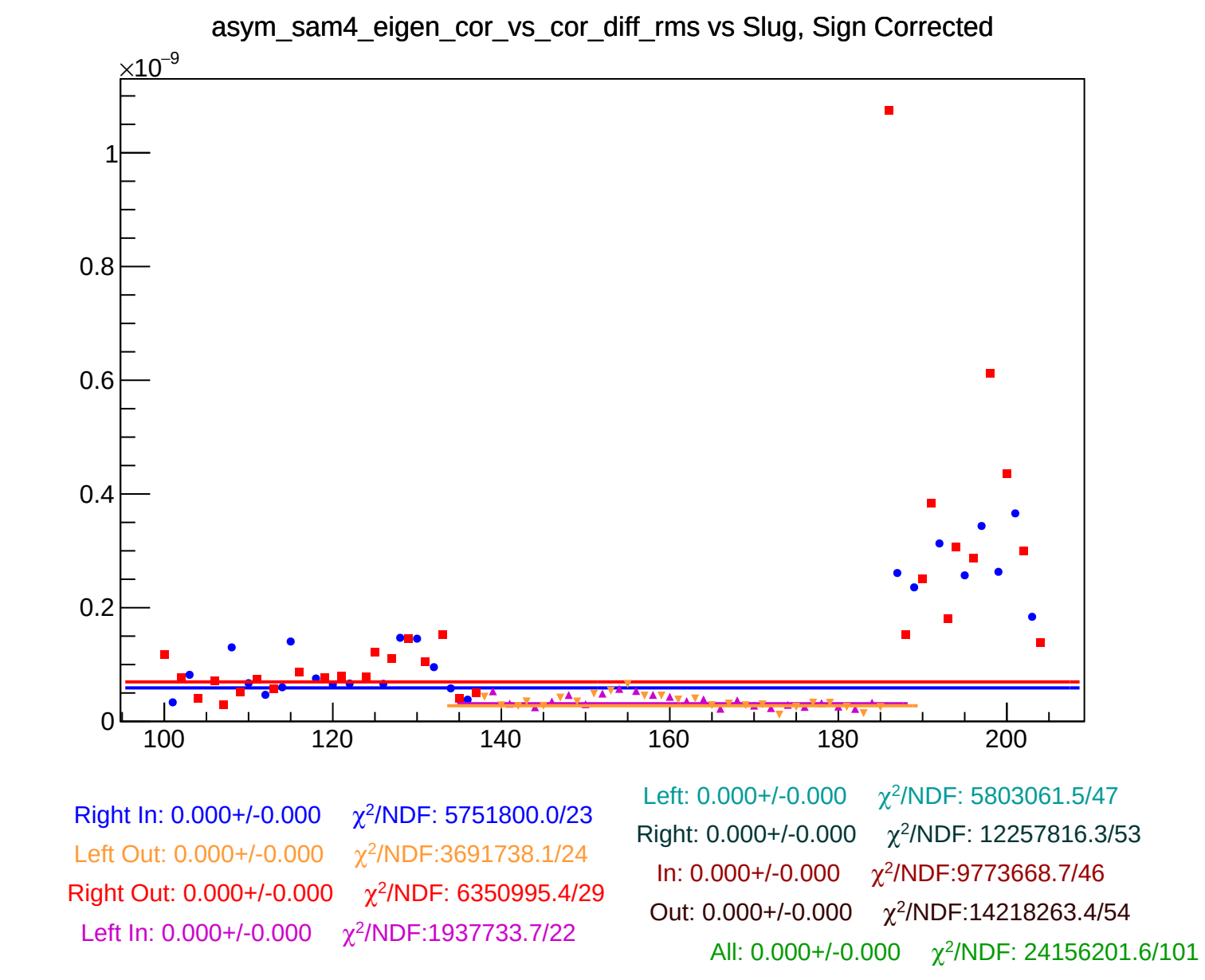
Left: -0.000+/-0.000 χ^2/NDF: 50.3/47

Right: 0.000+/-0.000 χ^2/NDF: 51.9/53

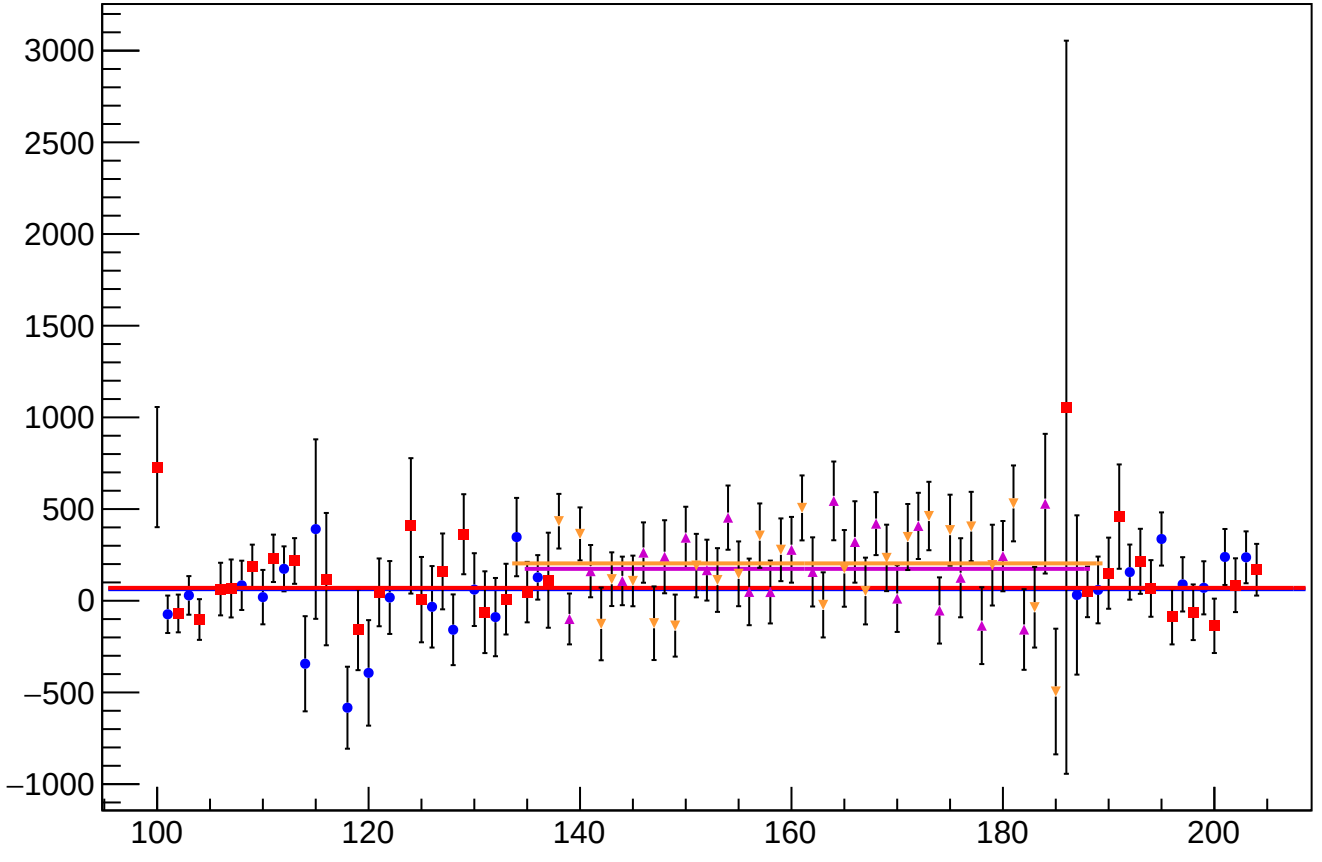
In: 0.000+/-0.000 χ^2/NDF:50.4/46

Out: -0.000+/-0.000 χ^2/NDF:52.0/54

All: 0.000+/-0.000 χ^2/NDF: 103.2/101


asym_sam4_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
1
0.8
0.6
0.4
0.2
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 5751800.0/23
Left Out: 0.000+/-0.000 χ²/NDF:3691738.1/24
Right Out: 0.000+/-0.000 χ²/NDF: 6350995.4/29
Left In: 0.000+/-0.000 χ²/NDF:1937733.7/22
Left: 0.000+/-0.000 χ²/NDF: 5803061.5/47
Right: 0.000+/-0.000 χ²/NDF: 12257816.3/53
In: 0.000+/-0.000 χ²/NDF:9773668.7/46
Out: 0.000+/-0.000 χ²/NDF:14218263.4/54
All: 0.000+/-0.000 χ²/NDF: 24156201.6/101

reg_asym_sam5_mean vs Slug, Sign Corrected



Right In: 63.159+/-32.835 χ^2/NDF: 27.5/23

Left Out: 203.760+/-35.878 χ^2/NDF:32.9/24

Right Out: 70.275+/-30.270 χ^2/NDF: 24.0/29

Left In: 173.974+/-37.405 χ^2/NDF:24.5/22

Left: 189.488+/-25.893 χ^2/NDF: 57.7/47

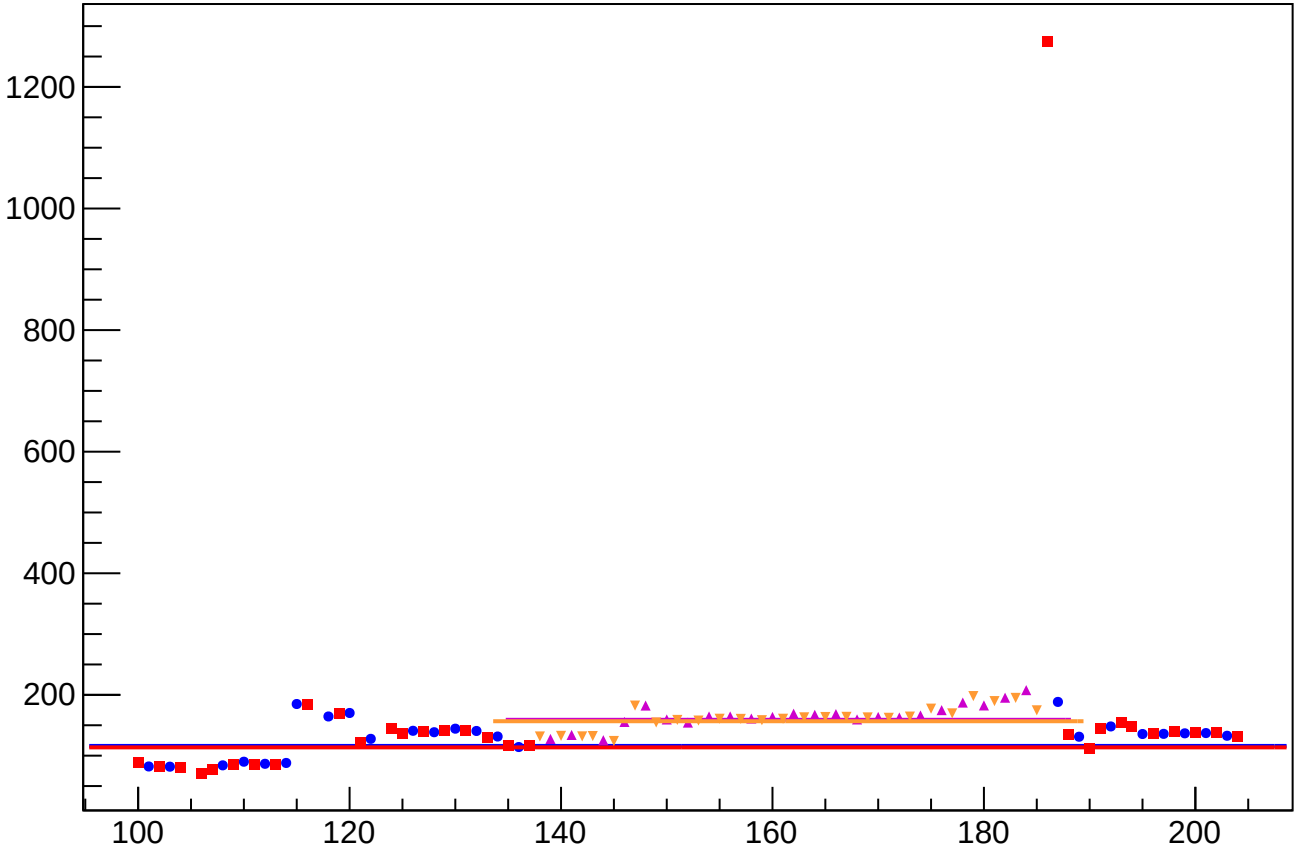
Right: 67.006+/-22.256 χ^2/NDF: 51.6/53

In: 111.387+/-24.676 χ^2/NDF:57.0/46

Out: 125.783+/-23.136 χ^2/NDF:65.0/54

All: 119.048+/-16.878 χ^2/NDF: 122.2/101

reg_asym_sam5_rms vs Slug, Sign Corrected



Right In: 115.987+/-0.023 χ^2/NDF: 1423956.1/23

Left Out: 156.638+/-0.025 χ^2/NDF:582414.4/24

Right Out: 113.624+/-0.021 χ^2/NDF: 2523488.8/29

Left In: 158.952+/-0.026 χ^2/NDF:511321.2/22

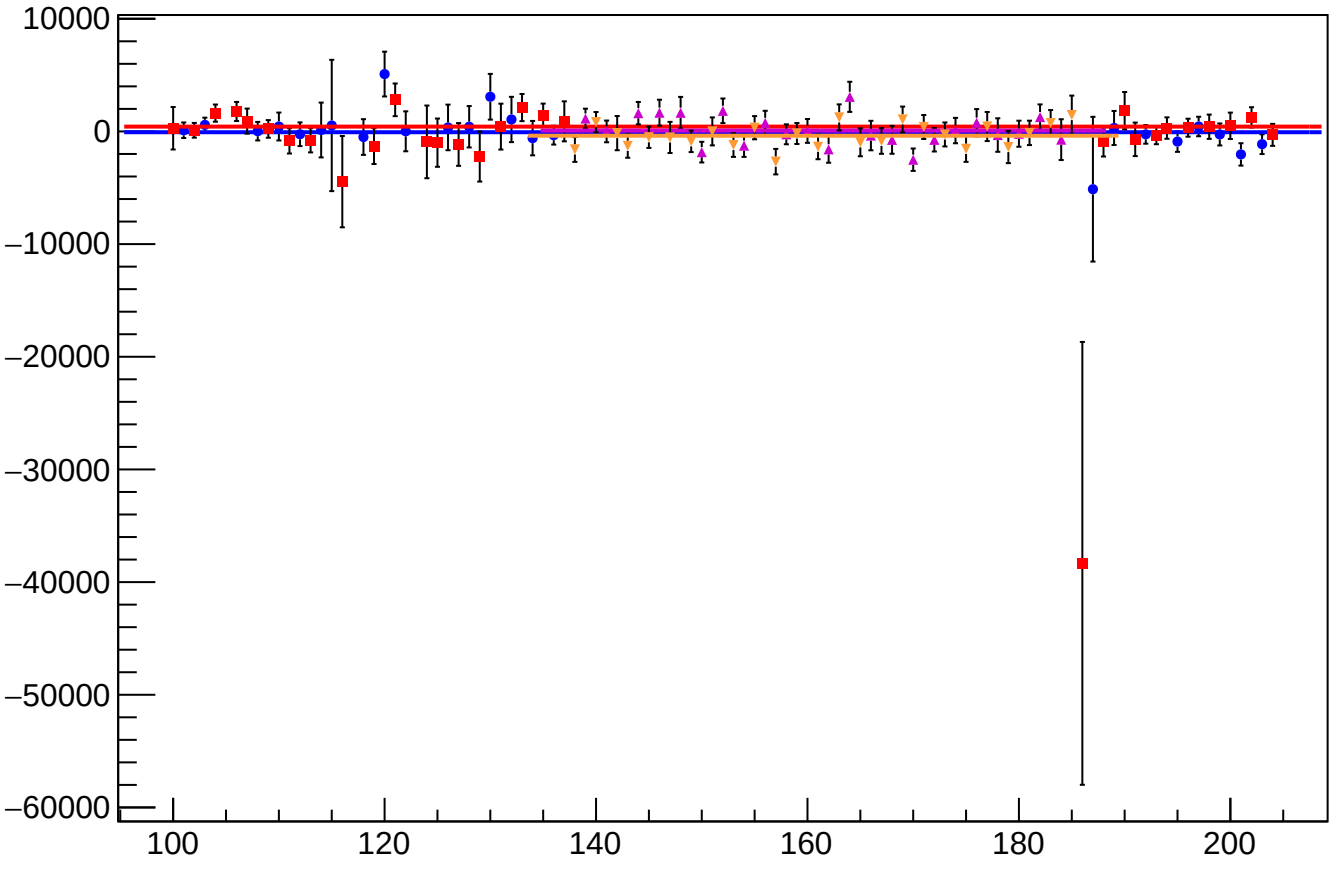
Left: 157.746+/-0.018 χ^2/NDF: 1097721.4/47

Right: 114.710+/-0.016 χ^2/NDF: 3953045.3/53

In: 134.686+/-0.017 χ^2/NDF:3425566.7/46

Out: 131.511+/-0.016 χ^2/NDF:4785221.3/54

All: 132.996+/-0.012 χ^2/NDF: 8228409.4/101



Right In: -69.976+/-226.787 χ^2/NDF: 18.5/23

Left Out: -380.690+/-224.554 χ^2/NDF:18.7/24

Right Out: 427.776+/-207.254 χ^2/NDF: 27.7/29

Left In: 74.440+/-229.788 χ^2/NDF:33.1/22

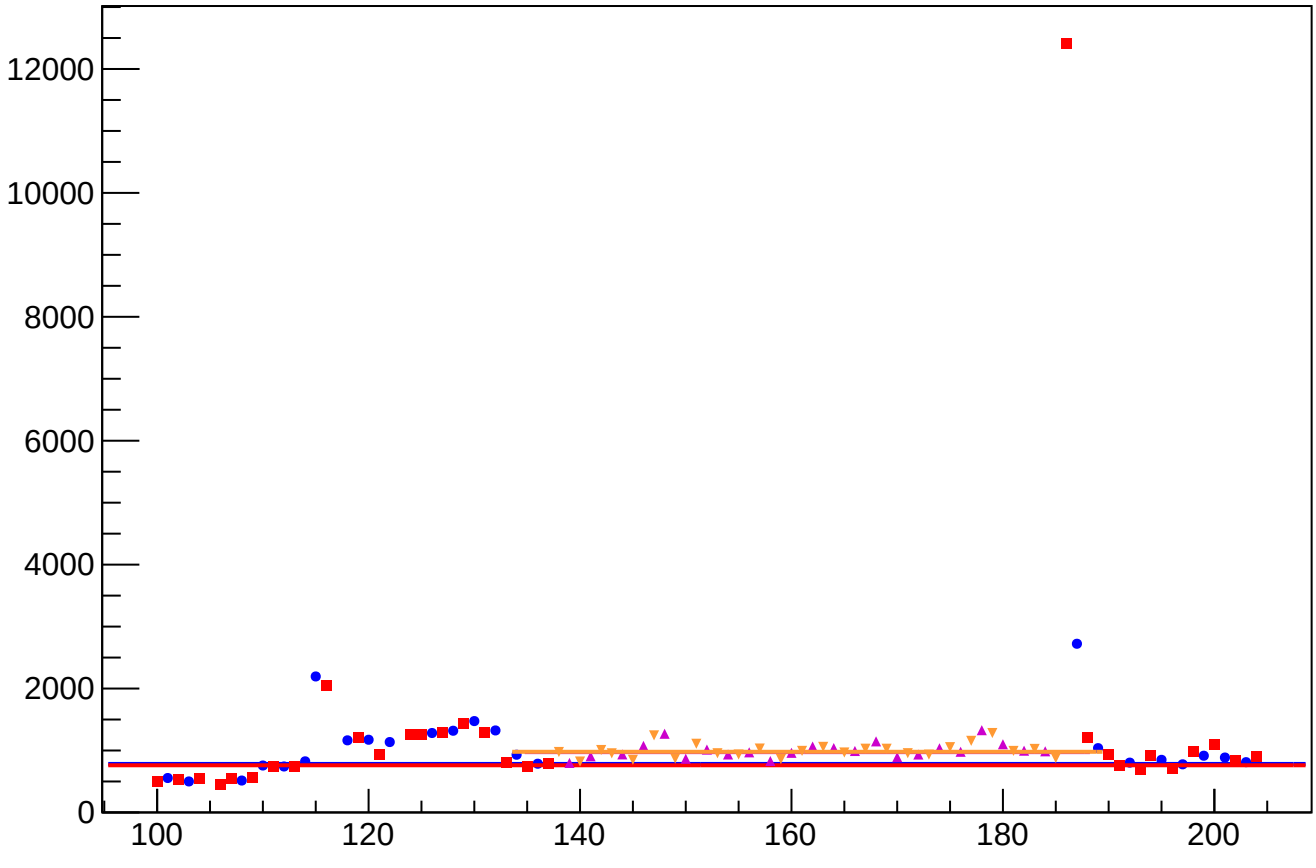
Left: -158.368+/-160.602 χ^2/NDF: 53.8/47

Right: 201.255+/-152.991 χ^2/NDF: 48.9/53

In: 1.283+/-161.413 χ^2/NDF:51.8/46

Out: 55.881+/-152.300 χ^2/NDF:53.5/54

All: 30.167+/-110.774 χ^2/NDF: 105.3/101



Right In: 782.952+/-0.160 χ^2/NDF: 2208120.1/23

Left Out: 979.111+/-0.159 χ^2/NDF:429795.3/24

Right Out: 761.596+/-0.147 χ^2/NDF: 3323503.4/29

Left In: 973.818+/-0.162 χ^2/NDF:498612.7/22

Left: 976.526+/-0.114 χ^2/NDF: 928951.0/47

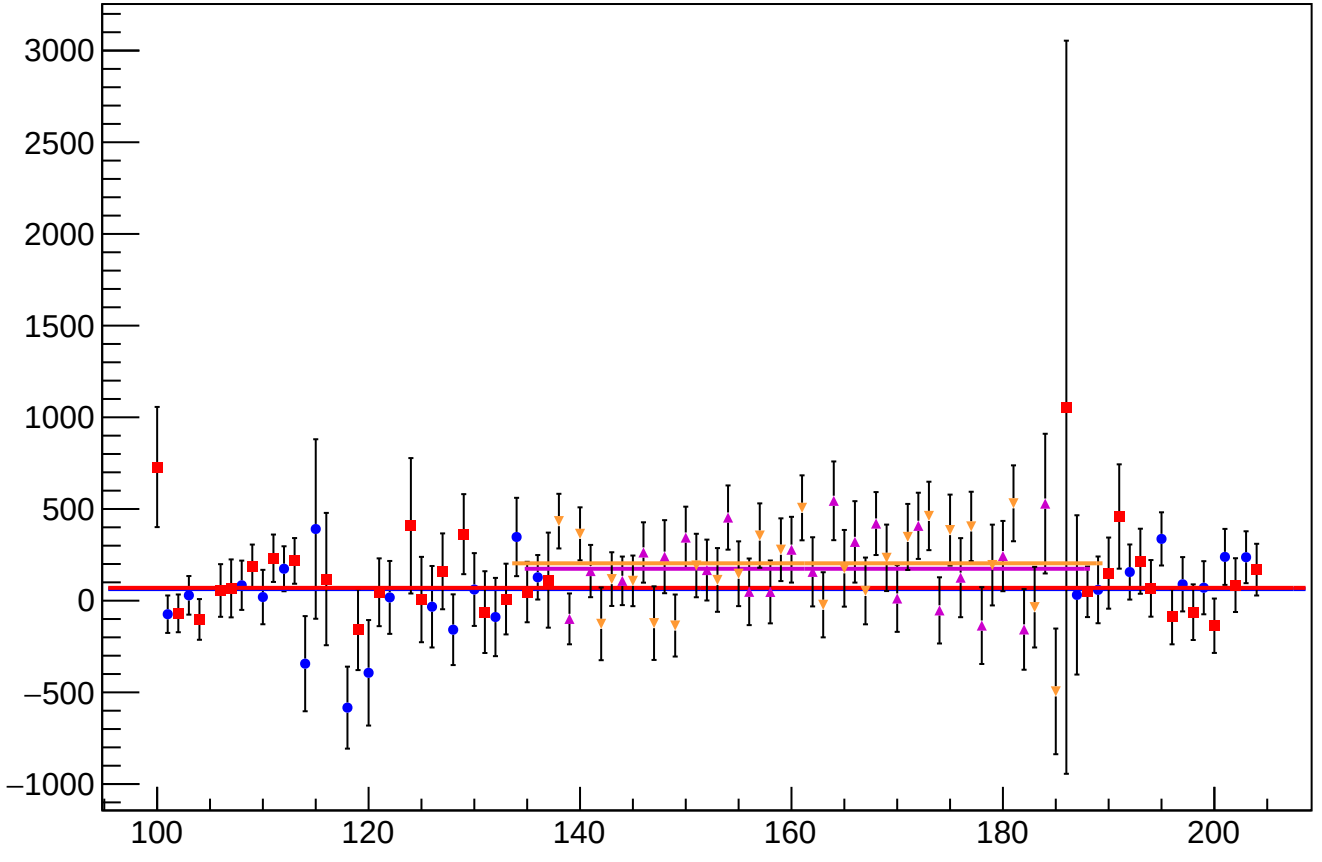
Right: 771.315+/-0.108 χ^2/NDF: 5541287.5/53

In: 877.130+/-0.114 χ^2/NDF:3405725.4/46

Out: 861.653+/-0.108 χ^2/NDF:4766654.5/54

All: 868.943+/-0.078 χ^2/NDF: 8182107.6/101

cor_asym_sam5_mean vs Slug, Sign Corrected



Right In: 63.154+/-32.835 χ^2/NDF: 27.6/23

Left Out: 203.766+/-35.878 χ^2/NDF:32.9/24

Right Out: 69.938+/-30.272 χ^2/NDF: 24.0/29

Left In: 173.978+/-37.405 χ^2/NDF:24.5/22

Left: 189.493+/-25.893 χ^2/NDF: 57.7/47

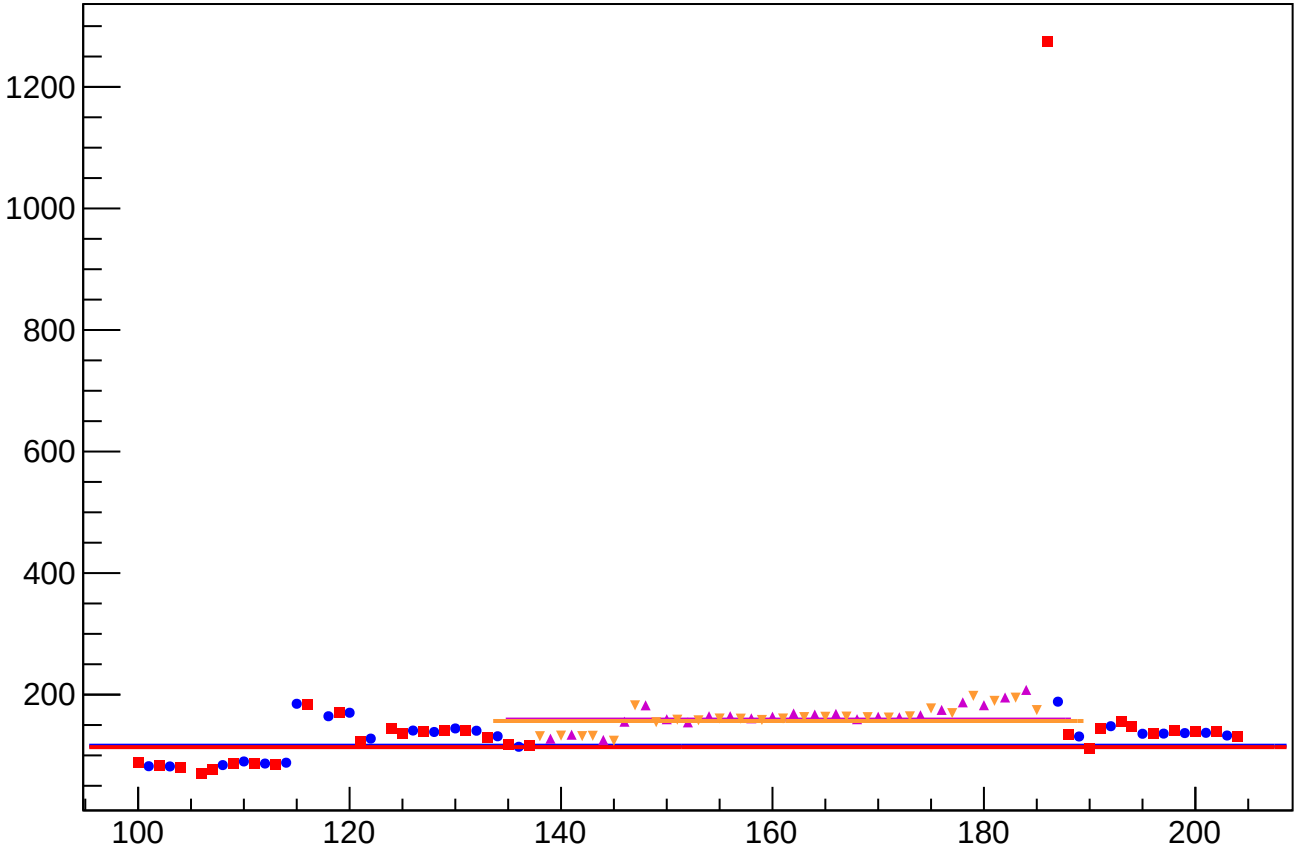
Right: 66.821+/-22.256 χ^2/NDF: 51.6/53

In: 111.386+/-24.676 χ^2/NDF:57.0/46

Out: 125.592+/-23.136 χ^2/NDF:65.0/54

All: 118.946+/-16.878 χ^2/NDF: 122.2/101

cor_asym_sam5_rms vs Slug, Sign Corrected



Right In: 115.987+/-0.023 χ^2/NDF: 1423954.9/23

Left Out: 156.638+/-0.025 χ^2/NDF:582414.5/24

Right Out: 113.610+/-0.021 χ^2/NDF: 2526575.4/29

Left In: 158.952+/-0.026 χ^2/NDF:511321.3/22

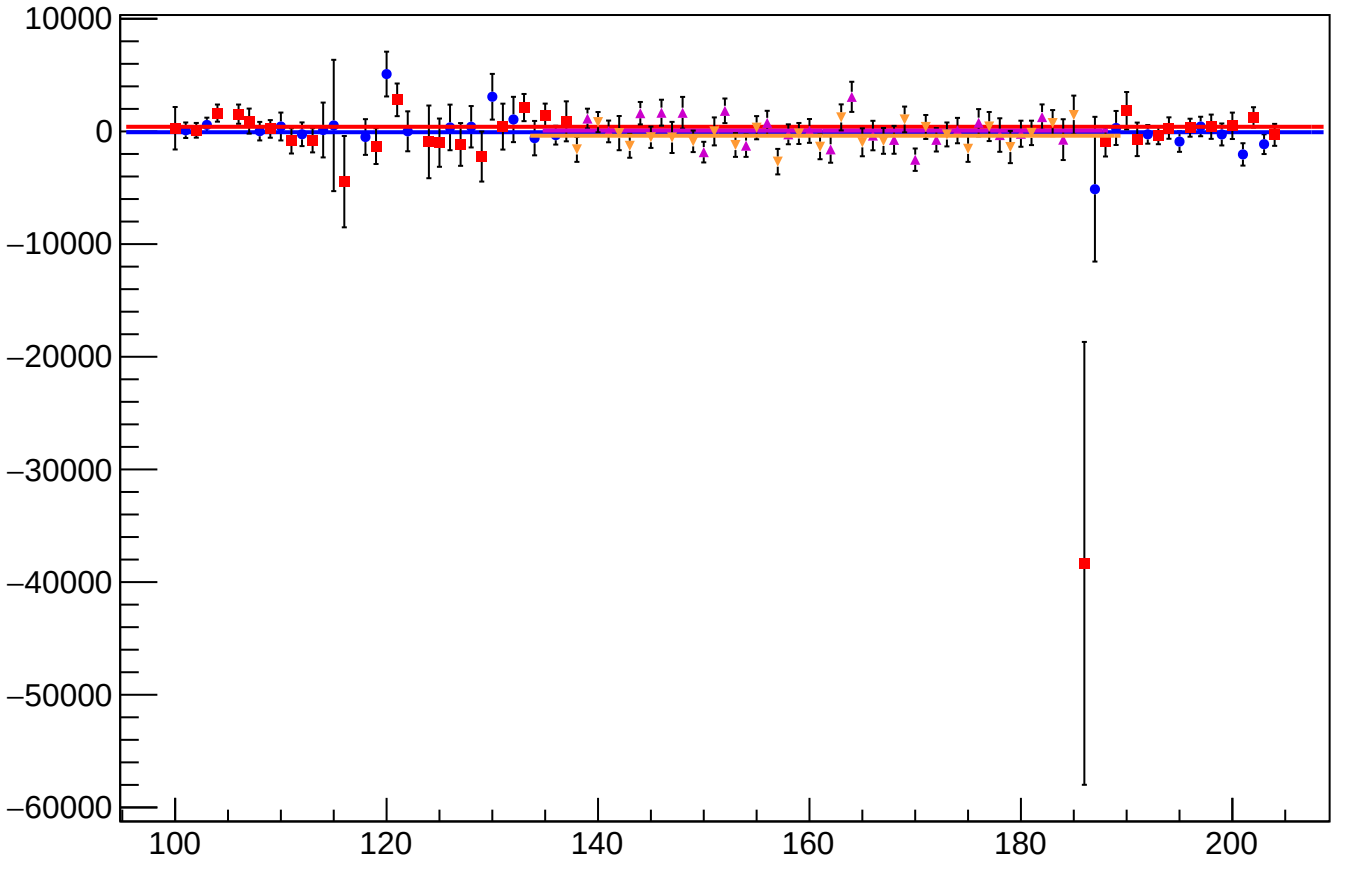
Left: 157.746+/-0.018 χ^2/NDF: 1097721.5/47

Right: 114.702+/-0.016 χ^2/NDF: 3956196.9/53

In: 134.686+/-0.017 χ^2/NDF:3425564.7/46

Out: 131.503+/-0.016 χ^2/NDF:4789335.1/54

All: 132.992+/-0.012 χ^2/NDF: 8232601.1/101



Right In: -69.975+/-226.787 χ^2/NDF: 18.5/23

Left Out: -380.678+/-224.554 χ^2/NDF:18.7/24

Right Out: 412.444+/-207.335 χ^2/NDF: 26.9/29

Left In: 74.438+/-229.788 χ^2/NDF:33.1/22

Left: -158.362+/-160.602 χ^2/NDF: 53.8/47

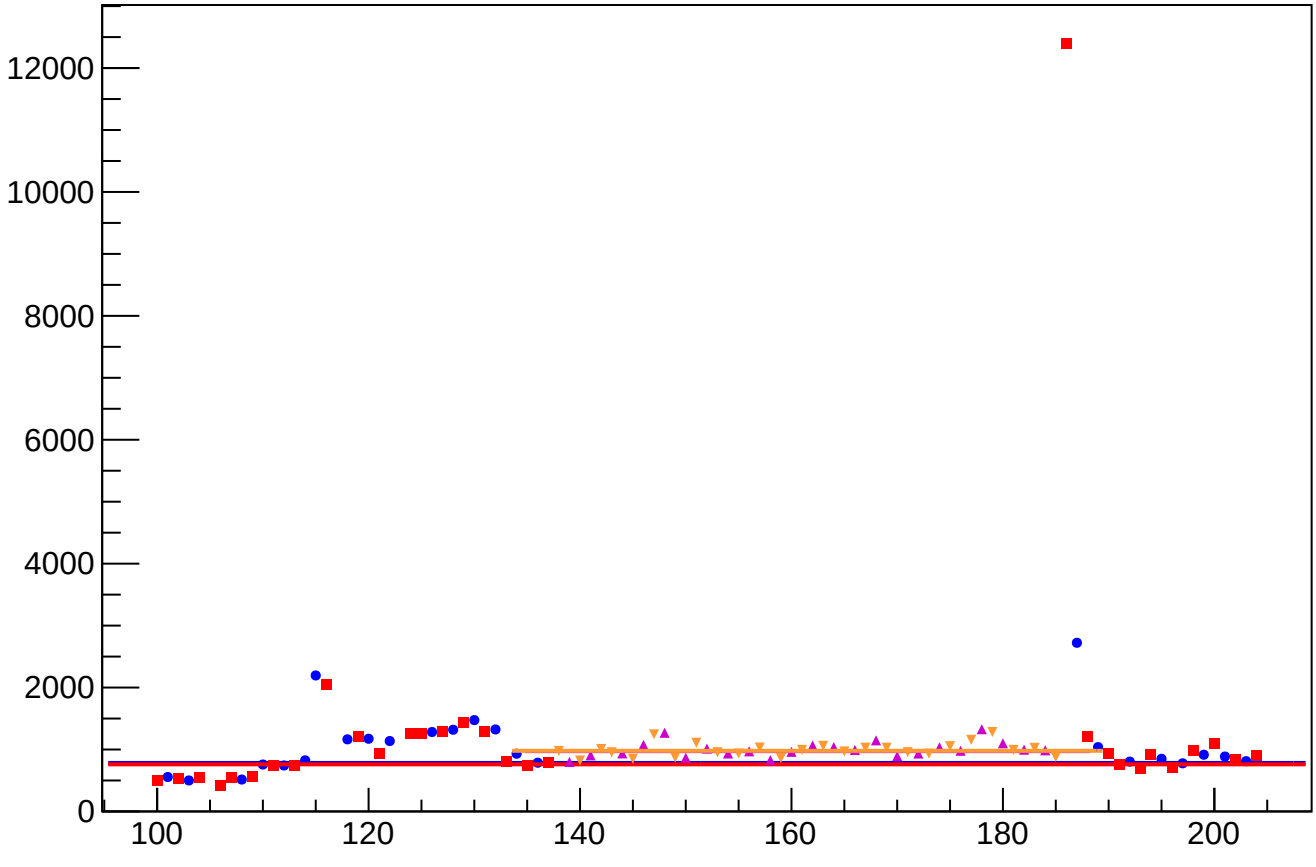
Right: 192.808+/-153.023 χ^2/NDF: 47.9/53

In: 1.282+/-161.413 χ^2/NDF:51.8/46

Out: 47.454+/-152.332 χ^2/NDF:52.4/54

All: 25.704+/-110.786 χ^2/NDF: 104.2/101

asym_sam5_cor_correction_rms vs Slug, Sign Corrected



Right In: 782.952+/-0.160 χ^2/NDF: 2208123.1/23

Left Out: 979.112+/-0.159 χ^2/NDF:429793.5/24

Right Out: 760.400+/-0.147 χ^2/NDF: 3363393.7/29

Left In: 973.818+/-0.162 χ^2/NDF:498615.1/22

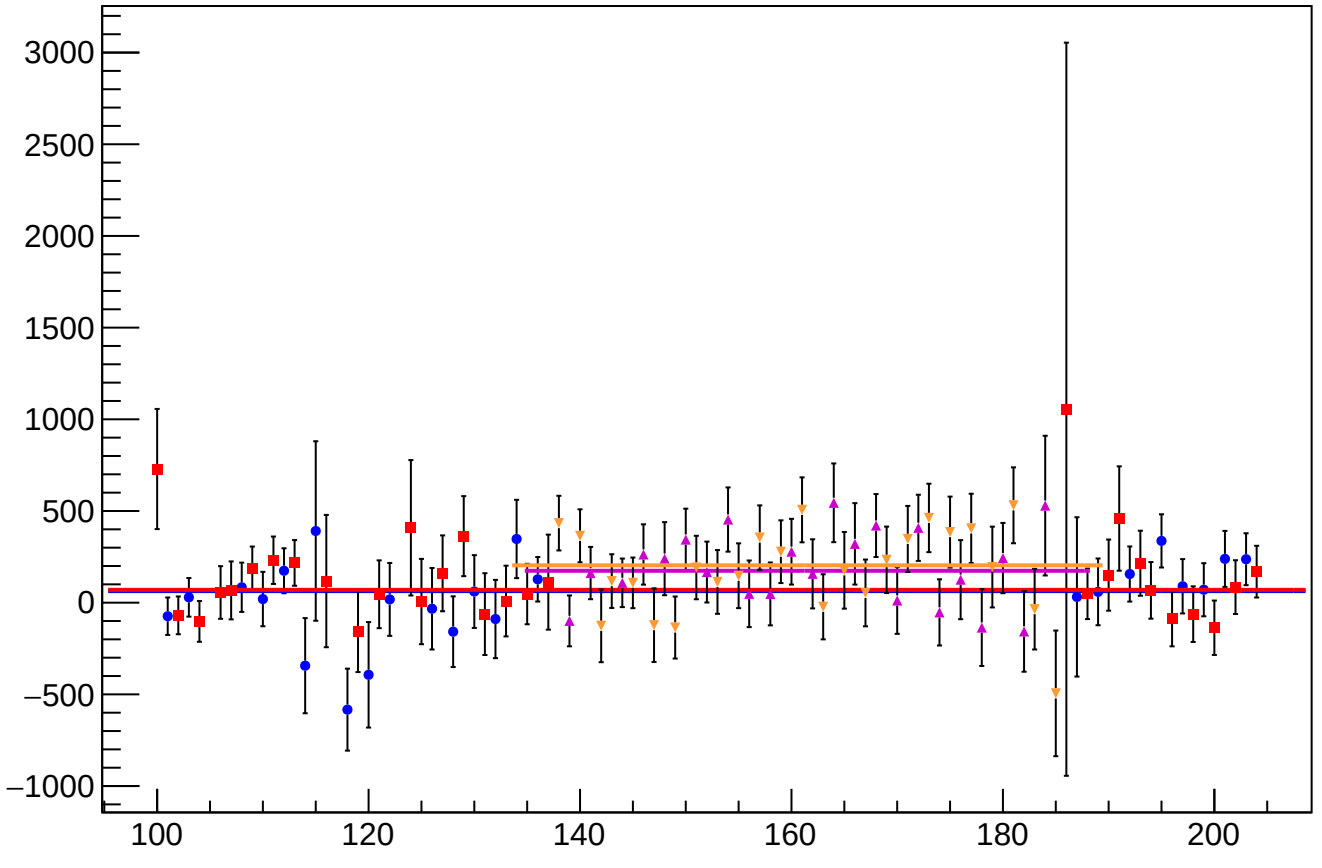
Left: 976.526+/-0.114 χ^2/NDF: 928951.7/47

Right: 770.667+/-0.108 χ^2/NDF: 5582289.7/53

In: 877.130+/-0.114 χ^2/NDF:3405732.3/46

Out: 861.050+/-0.108 χ^2/NDF:4817355.1/54

All: 868.625+/-0.078 χ^2/NDF: 8233586.2/101



Right In: 63.154+/-32.835 χ^2/NDF: 27.6/23

Left Out: 203.766+/-35.878 χ^2/NDF:32.9/24

Right Out: 69.938+/-30.272 χ^2/NDF: 24.0/29

Left In: 173.978+/-37.405 χ^2/NDF:24.5/22

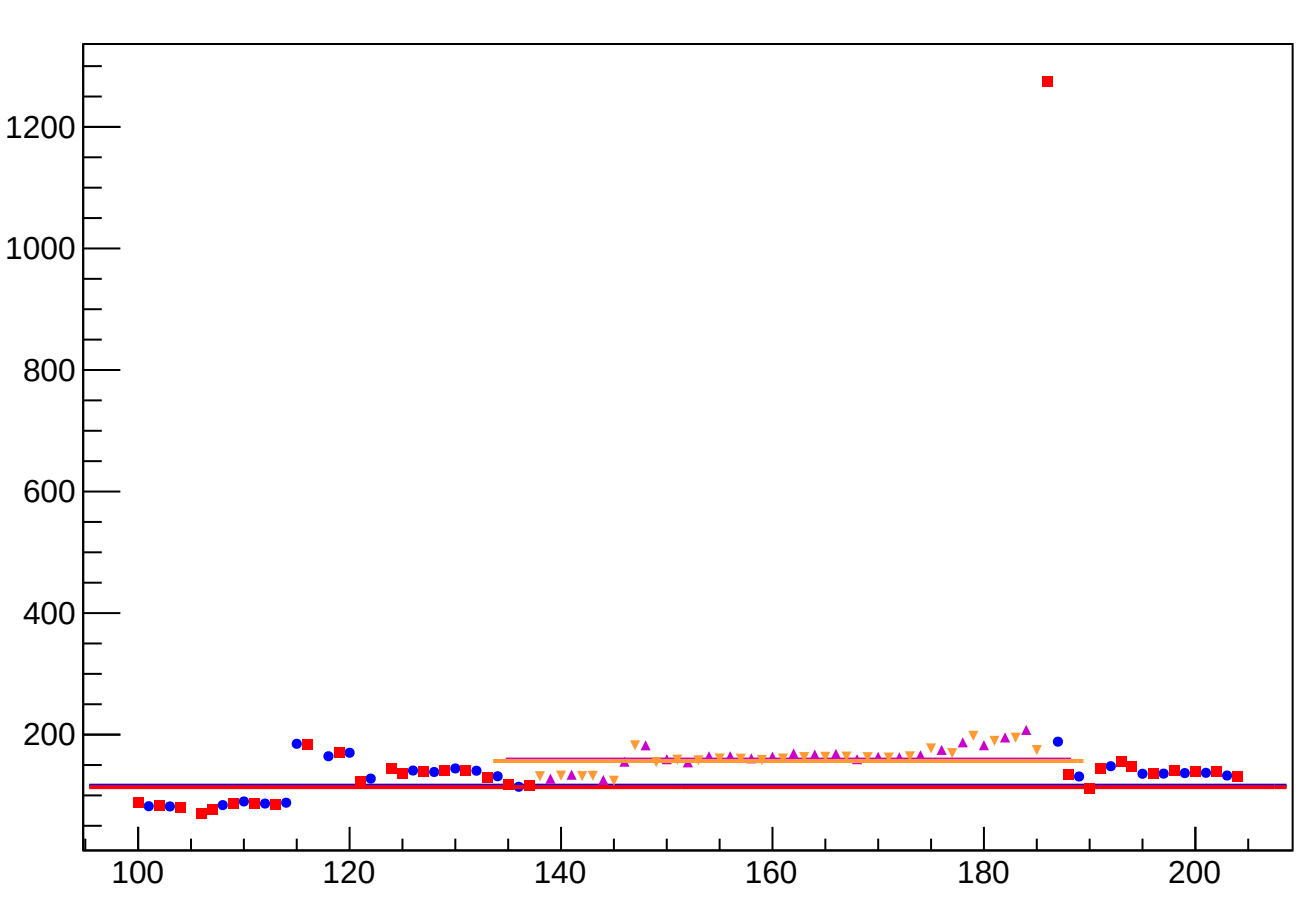
Left: 189.493+/-25.893 χ^2/NDF: 57.7/47

Right: 66.821+/-22.256 χ^2/NDF: 51.6/53

In: 111.386+/-24.676 χ^2/NDF:57.0/46

Out: 125.592+/-23.136 χ^2/NDF:65.0/54

All: 118.946+/-16.878 χ^2/NDF: 122.2/101



Right In: 115.987+/-0.023 χ^2/NDF: 1423954.9/23

Left Out: 156.638+/-0.025 χ^2/NDF:582414.5/24

Right Out: 113.610+/-0.021 χ^2/NDF: 2526575.4/29

Left In: 158.952+/-0.026 χ^2/NDF:511321.3/22

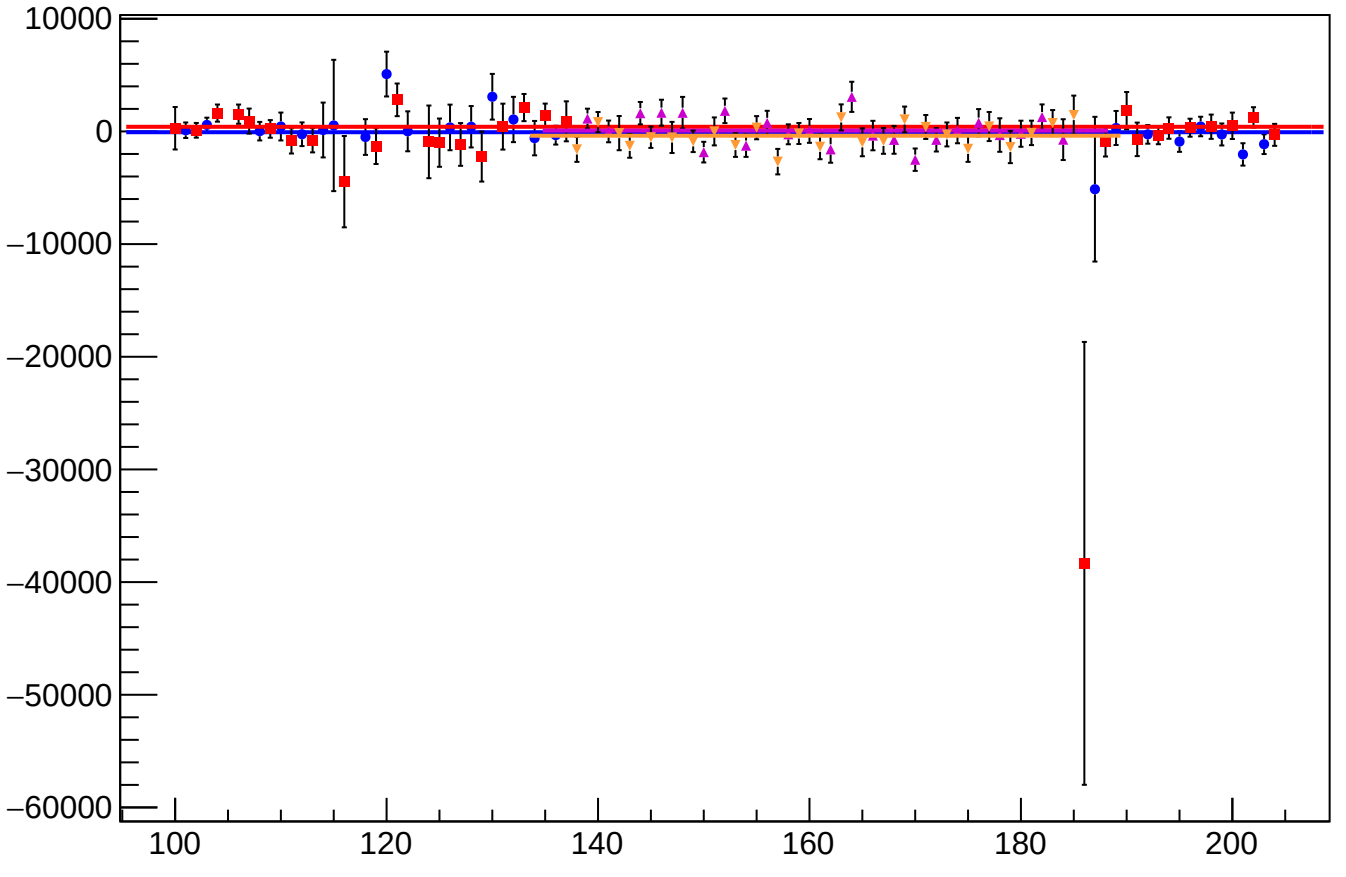
Left: 157.746+/-0.018 χ^2/NDF: 1097721.5/47

Right: 114.702+/-0.016 χ^2/NDF: 3956196.9/53

In: 134.686+/-0.017 χ^2/NDF:3425564.7/46

Out: 131.503+/-0.016 χ^2/NDF:4789335.1/54

All: 132.992+/-0.012 χ^2/NDF: 8232601.1/101



Right In: -69.975+/-226.787 χ^2/NDF: 18.5/23

Left Out: -380.678+/-224.554 χ^2/NDF:18.7/24

Right Out: 412.444+/-207.335 χ^2/NDF: 26.9/29

Left In: 74.438+/-229.788 χ^2/NDF:33.1/22

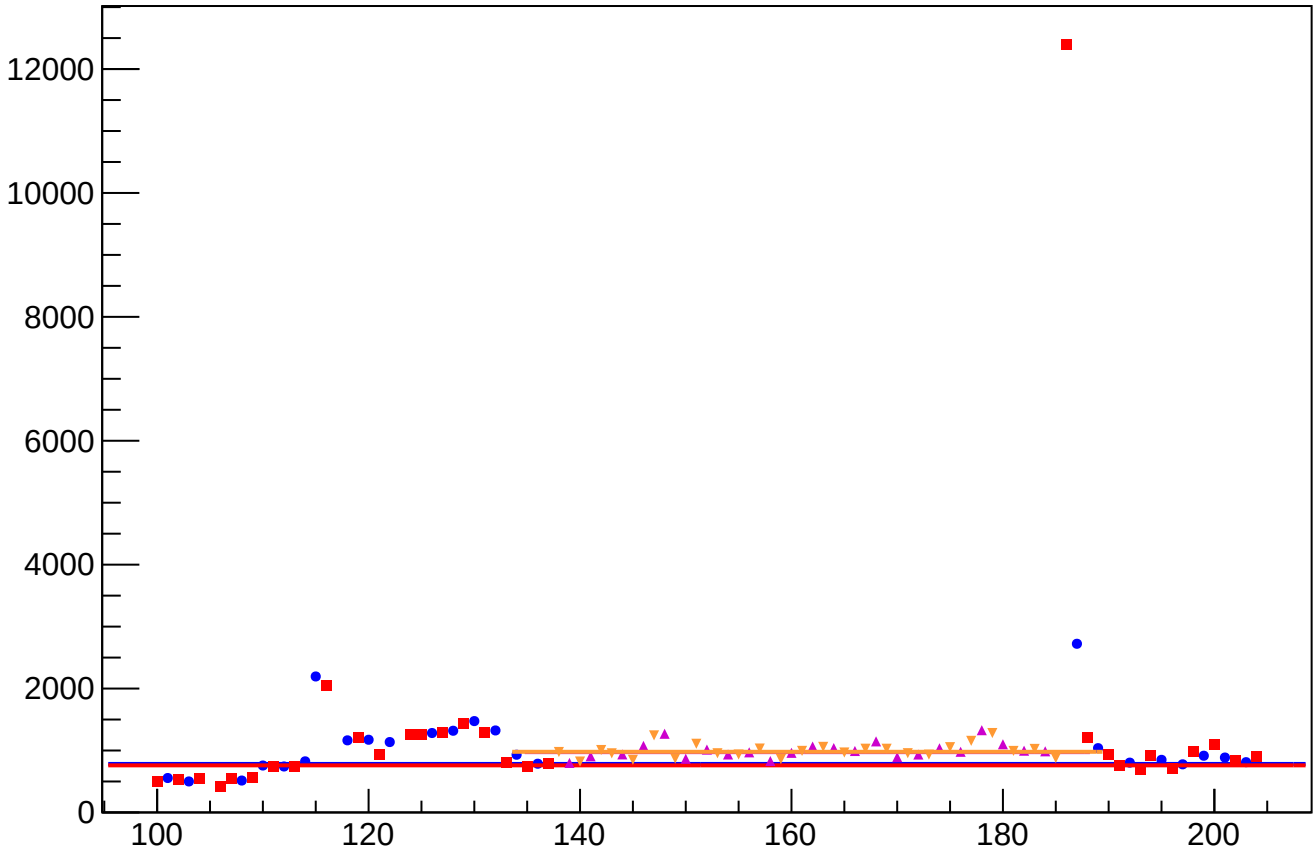
Left: -158.362+/-160.602 χ^2/NDF: 53.8/47

Right: 192.808+/-153.023 χ^2/NDF: 47.9/53

In: 1.282+/-161.413 χ^2/NDF:51.8/46

Out: 47.454+/-152.332 χ^2/NDF:52.4/54

All: 25.704+/-110.786 χ^2/NDF: 104.2/101



Right In: 782.952+/-0.160 χ^2/NDF: 2208123.1/23

Left Out: 979.112+/-0.159 χ^2/NDF:429793.5/24

Right Out: 760.400+/-0.147 χ^2/NDF: 3363393.7/29

Left In: 973.818+/-0.162 χ^2/NDF:498615.1/22

Left: 976.526+/-0.114 χ^2/NDF: 928951.7/47

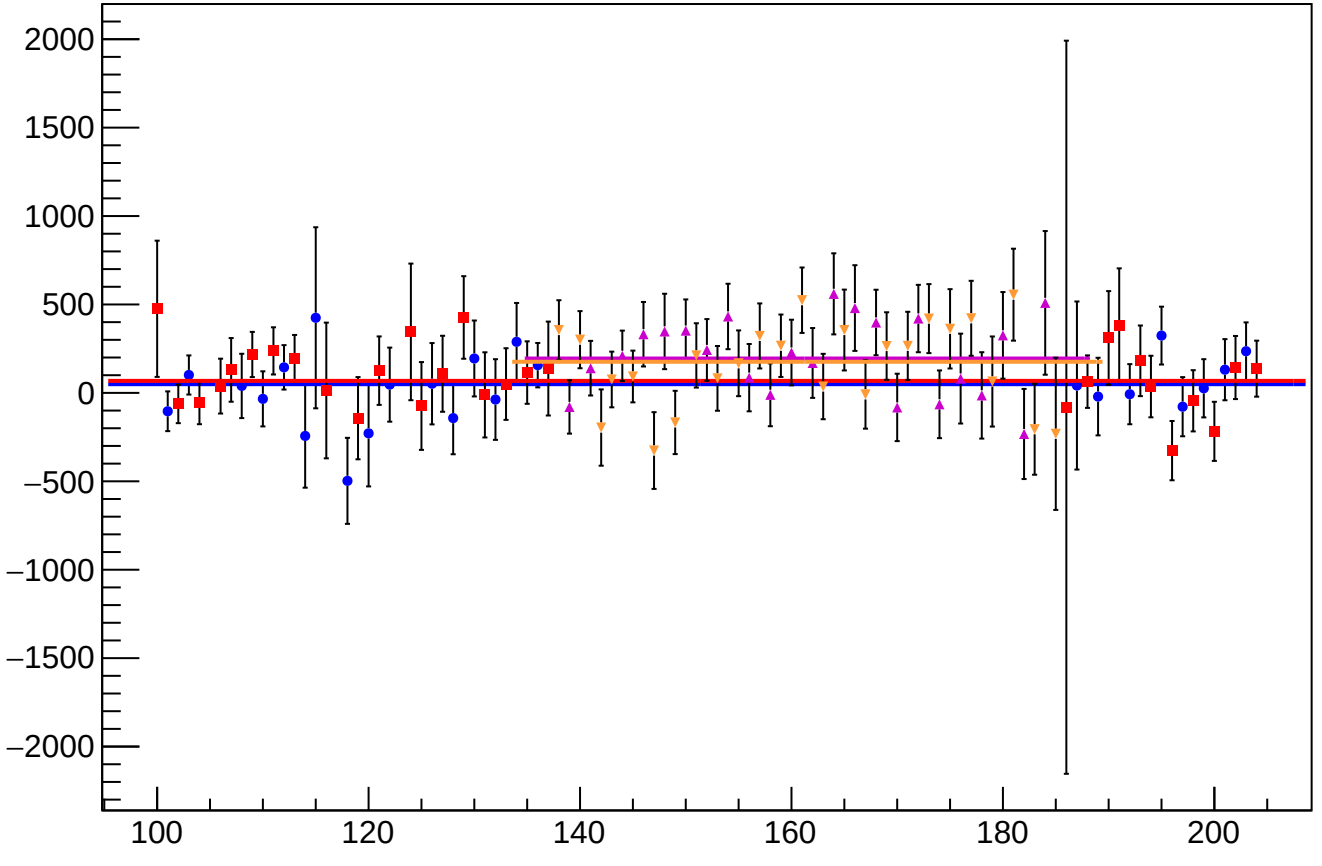
Right: 770.667+/-0.108 χ^2/NDF: 5582289.7/53

In: 877.130+/-0.114 χ^2/NDF:3405732.3/46

Out: 861.050+/-0.108 χ^2/NDF:4817355.1/54

All: 868.625+/-0.078 χ^2/NDF: 8233586.2/101

dit_asym_sam5_mean vs Slug, Sign Corrected



Right In: 49.182+/-36.015 χ^2/NDF: 19.0/23

Left Out: 176.010+/-38.838 χ^2/NDF:30.8/24

Right Out: 67.914+/-33.108 χ^2/NDF: 23.5/29

Left In: 194.324+/-40.384 χ^2/NDF:23.8/22

Left: 184.810+/-27.993 χ^2/NDF: 54.7/47

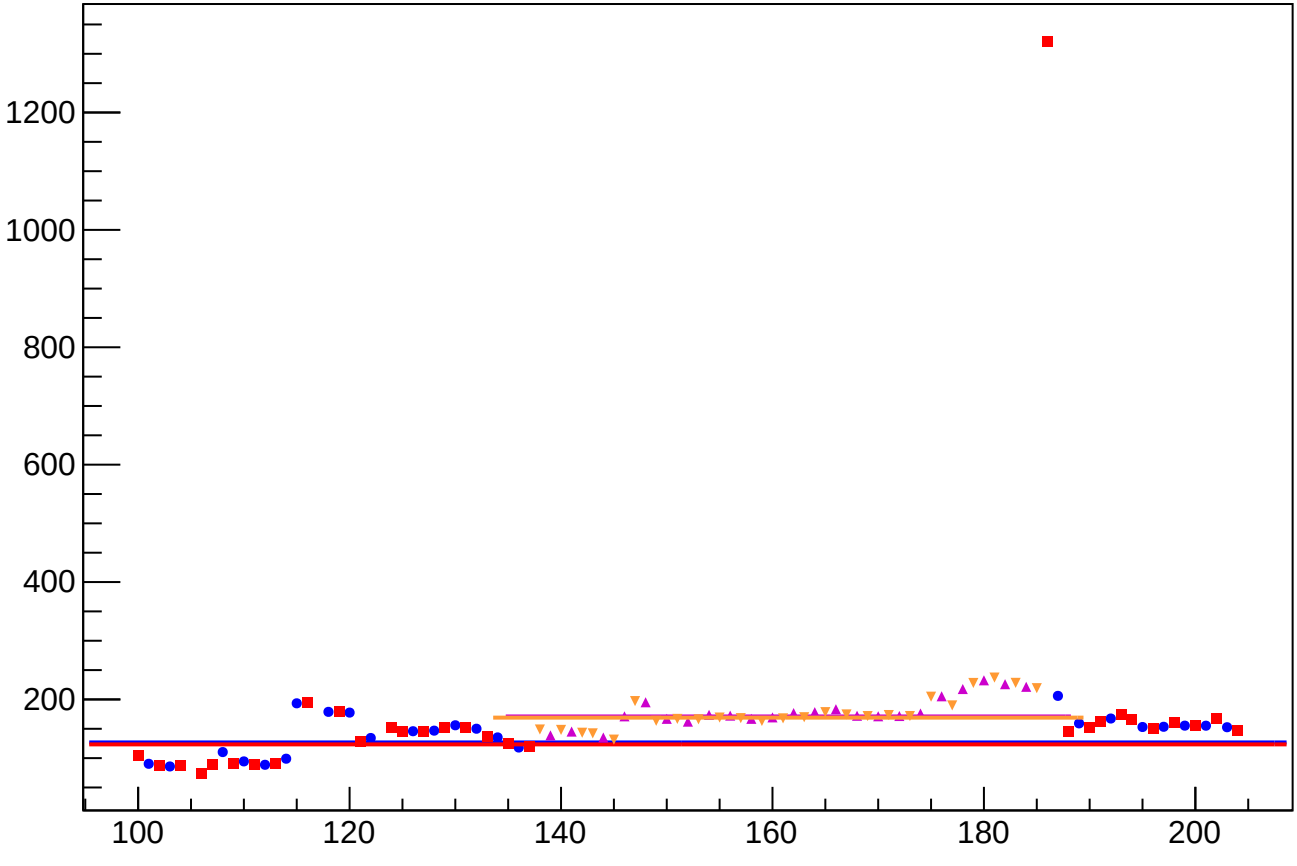
Right: 59.335+/-24.374 χ^2/NDF: 42.6/53

In: 113.481+/-26.879 χ^2/NDF:50.0/46

Out: 113.408+/-25.195 χ^2/NDF:58.7/54

All: 113.442+/-18.382 χ^2/NDF: 108.7/101

dit_asym_sam5_rms vs Slug, Sign Corrected



Right In: 126.734+/-0.025 χ^2/NDF: 1559572.7/23

Left Out: 169.009+/-0.027 χ^2/NDF:773937.9/24

Right Out: 123.432+/-0.023 χ^2/NDF: 2776174.0/29

Left In: 171.021+/-0.029 χ^2/NDF:678106.1/22

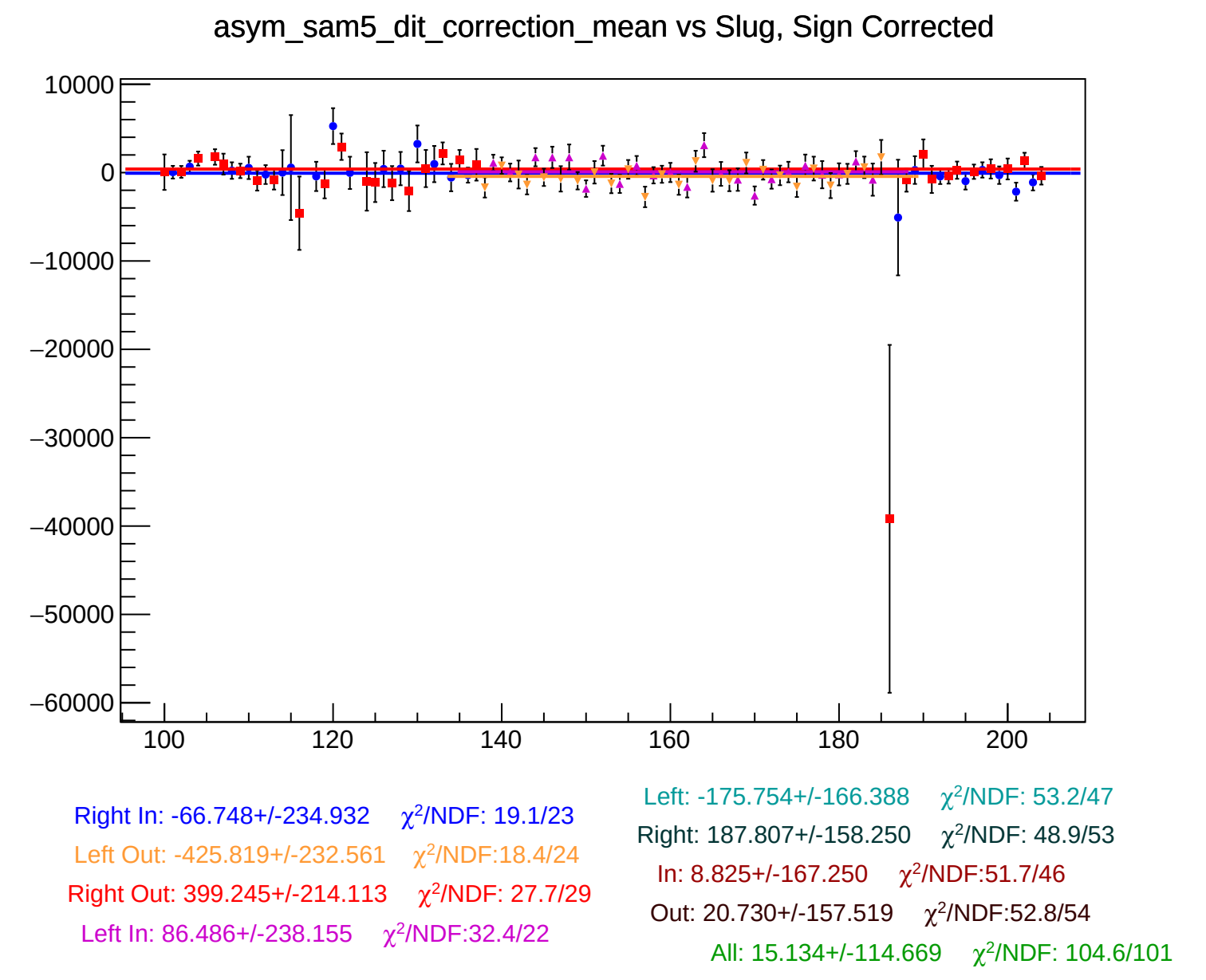
Left: 169.976+/-0.020 χ^2/NDF: 1454622.7/47

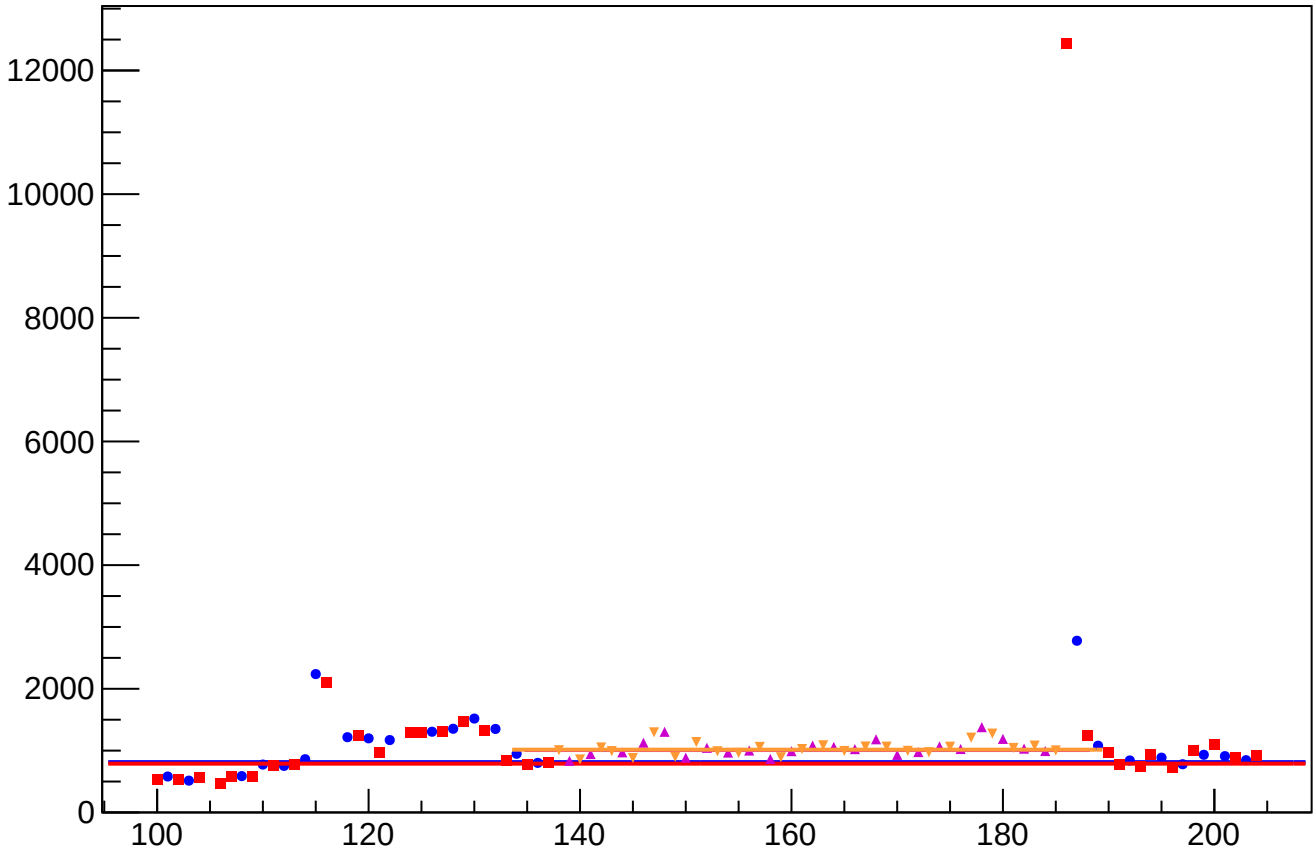
Right: 124.945+/-0.017 χ^2/NDF: 4344856.1/53

In: 146.354+/-0.019 χ^2/NDF:3577414.9/46

Out: 142.614+/-0.018 χ^2/NDF:5145234.9/54

All: 144.363+/-0.013 χ^2/NDF: 8743256.2/101


asym_sam5_dit_correction_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
−50000
−60000
100
120
140
160
180
200
Right In: -66.748+/-234.932 χ²/NDF: 19.1/23
Left Out: -425.819+/-232.561 χ²/NDF:18.4/24
Right Out: 399.245+/-214.113 χ²/NDF: 27.7/29
Left In: 86.486+/-238.155 χ²/NDF:32.4/22
Left: -175.754+/-166.388 χ²/NDF: 53.2/47
Right: 187.807+/-158.250 χ²/NDF: 48.9/53
In: 8.825+/-167.250 χ²/NDF:51.7/46
Out: 20.730+/-157.519 χ²/NDF:52.8/54
All: 15.134+/-114.669 χ²/NDF: 104.6/101



Right In: 813.892+/-0.166 χ^2/NDF: 2084589.7/23

Left Out: 1015.046+/-0.164 χ^2/NDF:397966.2/24

Right Out: 789.393+/-0.151 χ^2/NDF: 3211544.6/29

Left In: 1009.672+/-0.168 χ^2/NDF:498783.5/22

Left: 1012.423+/-0.118 χ^2/NDF: 897271.1/47

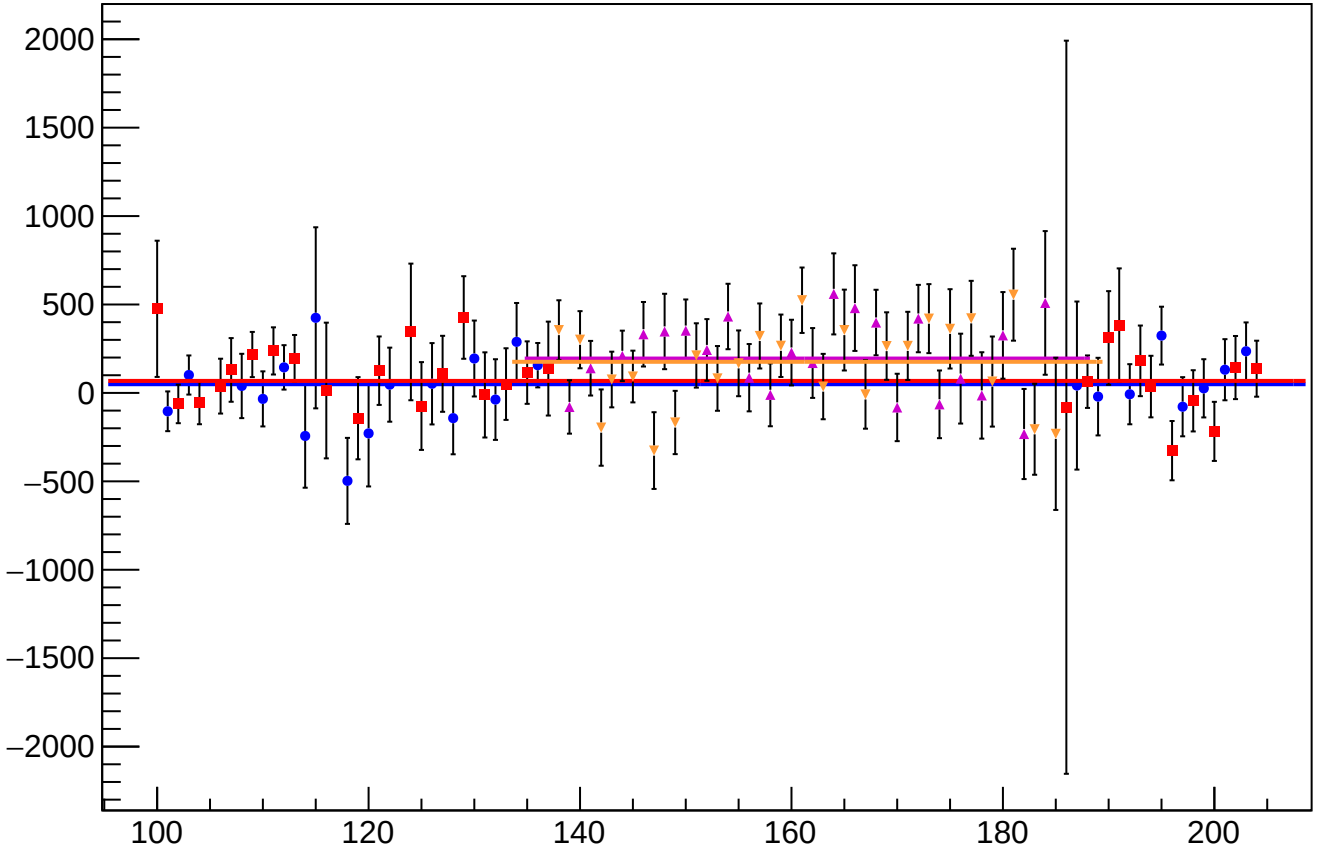
Right: 800.509+/-0.112 χ^2/NDF: 5308015.3/53

In: 910.449+/-0.118 χ^2/NDF:3268378.4/46

Out: 892.916+/-0.111 χ^2/NDF:4628623.7/54

All: 901.157+/-0.081 χ^2/NDF: 7908649.3/101

eigen_dit_asym_sam5_mean vs Slug, Sign Corrected



Right In: 49.182+/-36.015 χ^2/NDF: 19.0/23

Left Out: 176.011+/-38.838 χ^2/NDF:30.8/24

Right Out: 67.915+/-33.108 χ^2/NDF: 23.5/29

Left In: 194.324+/-40.384 χ^2/NDF:23.8/22

Left: 184.810+/-27.993 χ^2/NDF: 54.7/47

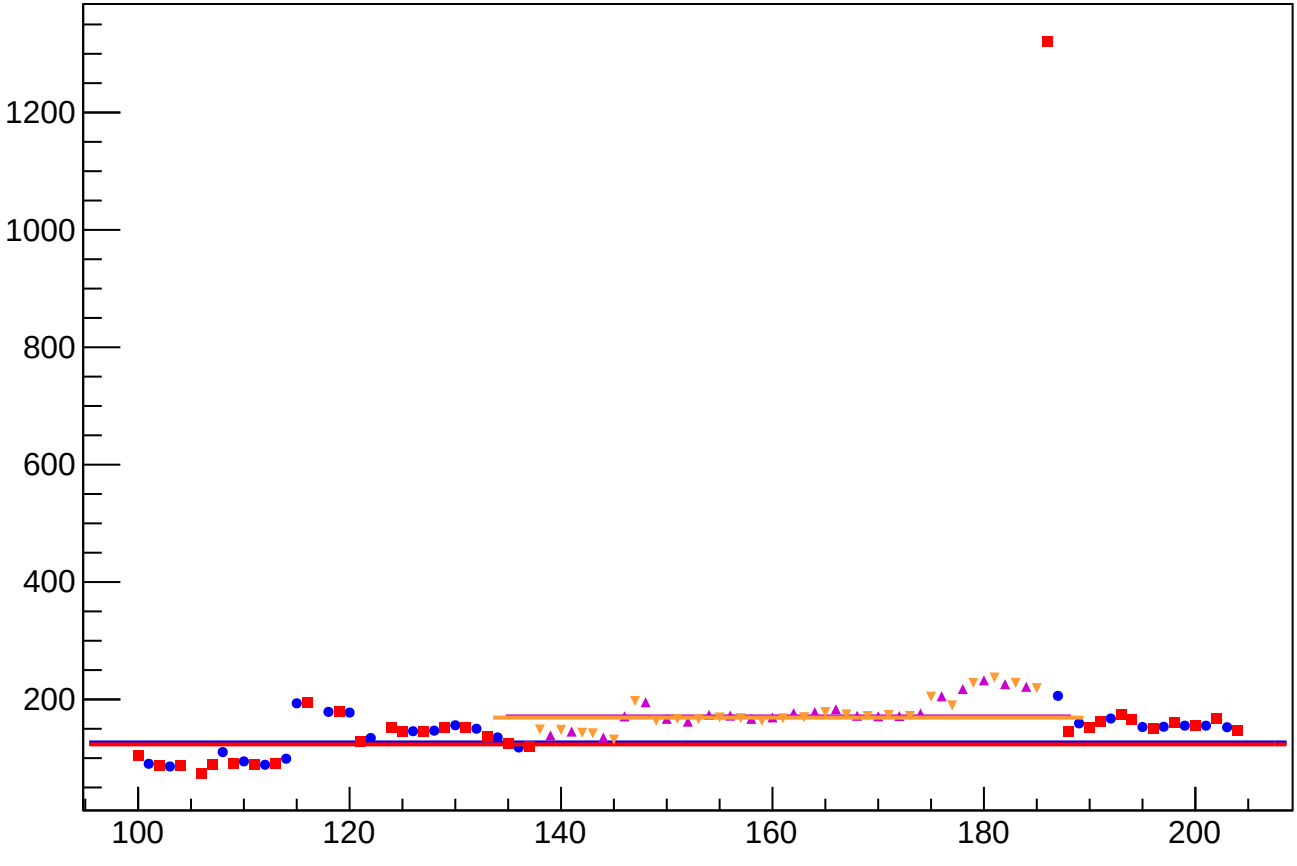
Right: 59.335+/-24.374 χ^2/NDF: 42.6/53

In: 113.481+/-26.879 χ^2/NDF:50.0/46

Out: 113.408+/-25.195 χ^2/NDF:58.7/54

All: 113.442+/-18.382 χ^2/NDF: 108.7/101

eigen_dit_asym_sam5_rms vs Slug, Sign Corrected



Right In: 126.734+/-0.025 χ^2/NDF: 1559580.3/23

Left Out: 169.009+/-0.027 χ^2/NDF:773925.9/24

Right Out: 123.432+/-0.023 χ^2/NDF: 2776179.7/29

Left In: 171.021+/-0.029 χ^2/NDF:678096.1/22

Left: 169.976+/-0.020 χ^2/NDF: 1454601.1/47

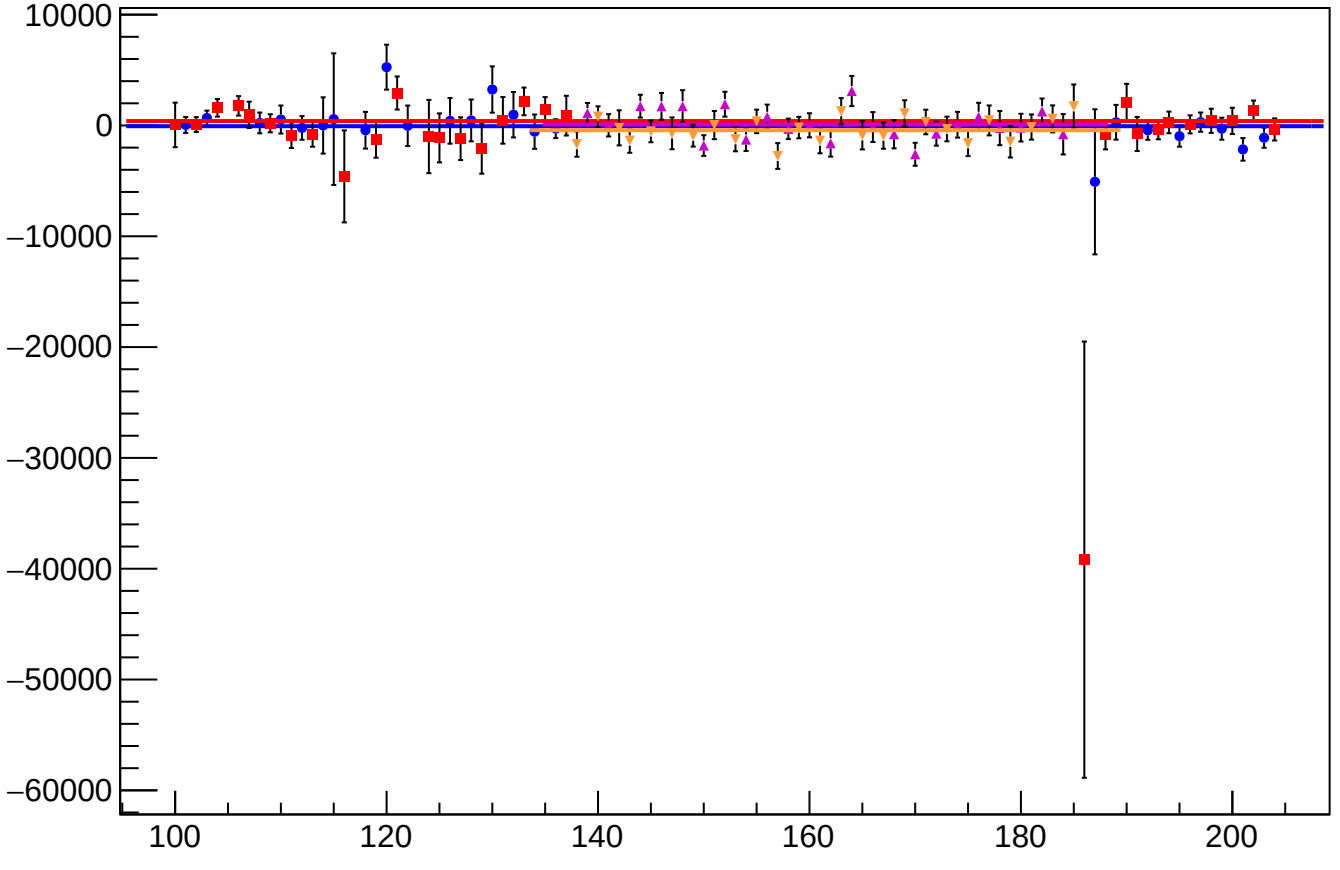
Right: 124.944+/-0.017 χ^2/NDF: 4344868.8/53

In: 146.353+/-0.019 χ^2/NDF:3577443.9/46

Out: 142.614+/-0.018 χ^2/NDF:5145247.7/54

All: 144.363+/-0.013 χ^2/NDF: 8743298.0/101

asym_sam5_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -66.747+/-234.932 χ^2/NDF: 19.1/23

Left Out: -425.818+/-232.561 χ^2/NDF:18.4/24

Right Out: 399.245+/-214.113 χ^2/NDF: 27.7/29

Left In: 86.487+/-238.155 χ^2/NDF:32.4/22

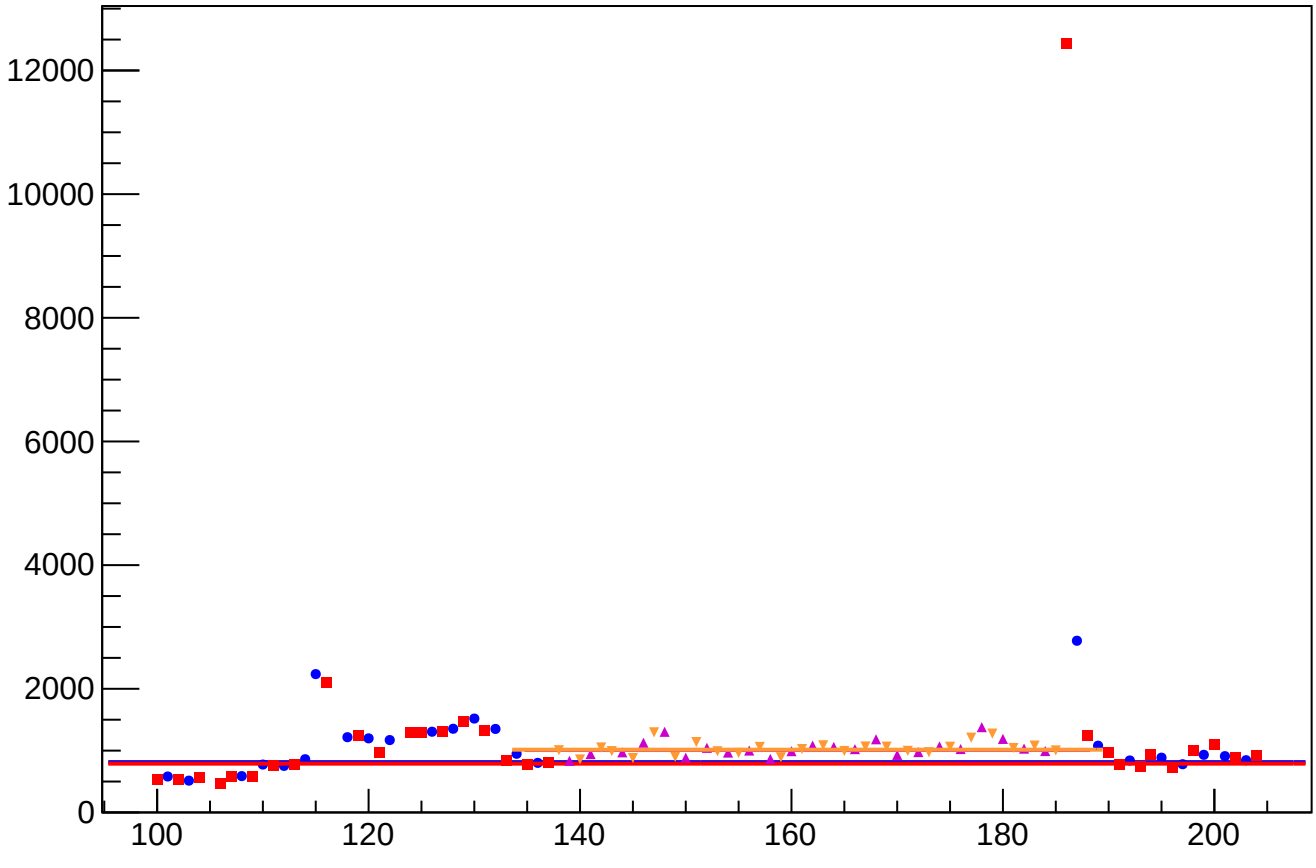
Left: -175.753+/-166.388 χ^2/NDF: 53.2/47

Right: 187.808+/-158.250 χ^2/NDF: 48.9/53

In: 8.826+/-167.250 χ^2/NDF:51.7/46

Out: 20.731+/-157.519 χ^2/NDF:52.8/54

All: 15.135+/-114.669 χ^2/NDF: 104.6/101



Right In: 813.892+/-0.166 χ^2/NDF: 2084592.2/23

Left Out: 1015.047+/-0.164 χ^2/NDF:397964.6/24

Right Out: 789.393+/-0.151 χ^2/NDF: 3211553.5/29

Left In: 1009.673+/-0.168 χ^2/NDF:498783.6/22

Left: 1012.424+/-0.118 χ^2/NDF: 897269.4/47

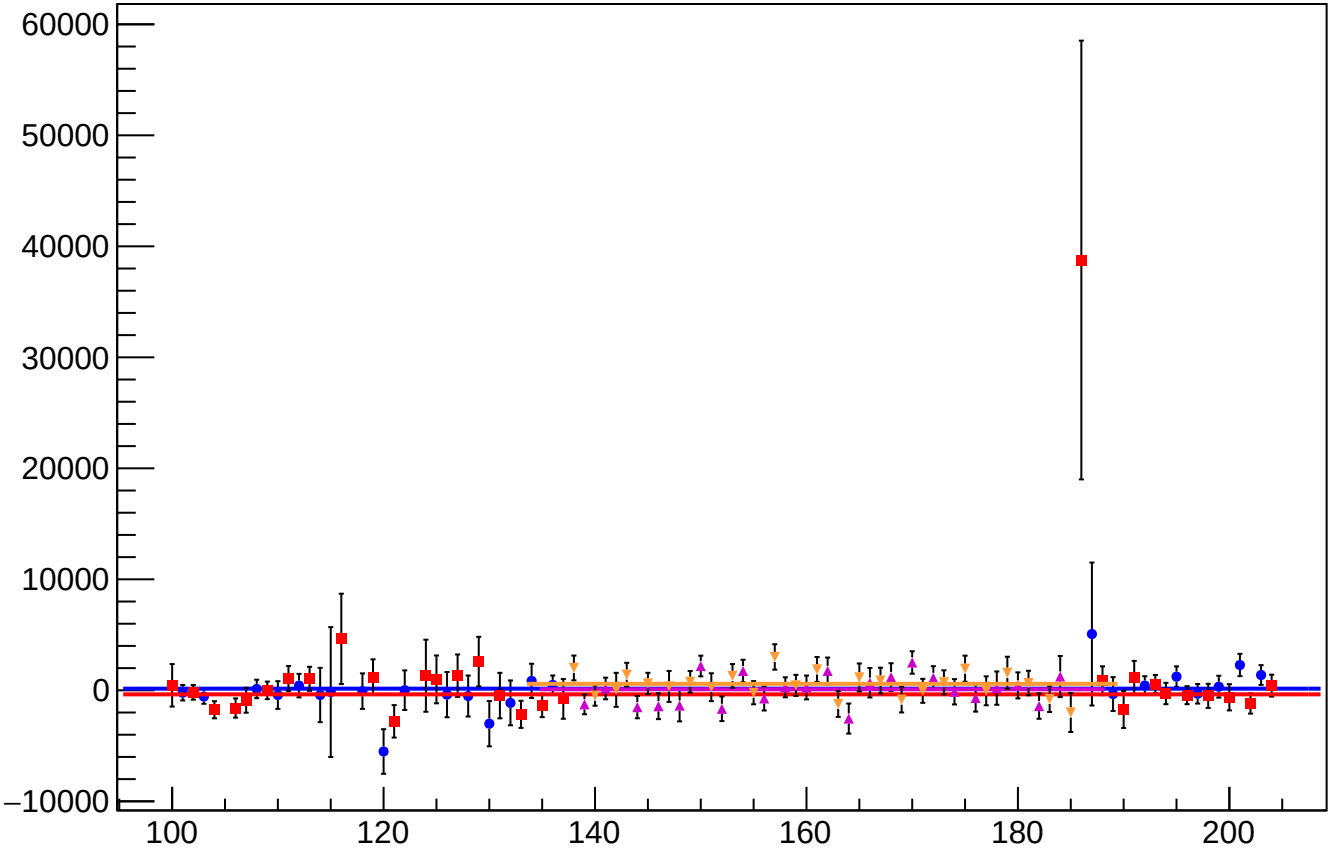
Right: 800.509+/-0.112 χ^2/NDF: 5308026.6/53

In: 910.449+/-0.118 χ^2/NDF:3268392.7/46

Out: 892.916+/-0.111 χ^2/NDF:4628642.9/54

All: 901.158+/-0.081 χ^2/NDF: 7908682.9/101

asym_sam5_mean vs Slug, Sign Corrected



Right In: 149.226+/-229.582 χ^2/NDF: 22.0/23

Left Out: 586.188+/-227.585 χ^2/NDF:20.8/24

Right Out: -363.370+/-209.997 χ^2/NDF: 30.0/29

Left In: 92.688+/-233.019 χ^2/NDF:34.6/22

Left: 345.259+/-162.814 χ^2/NDF: 57.6/47

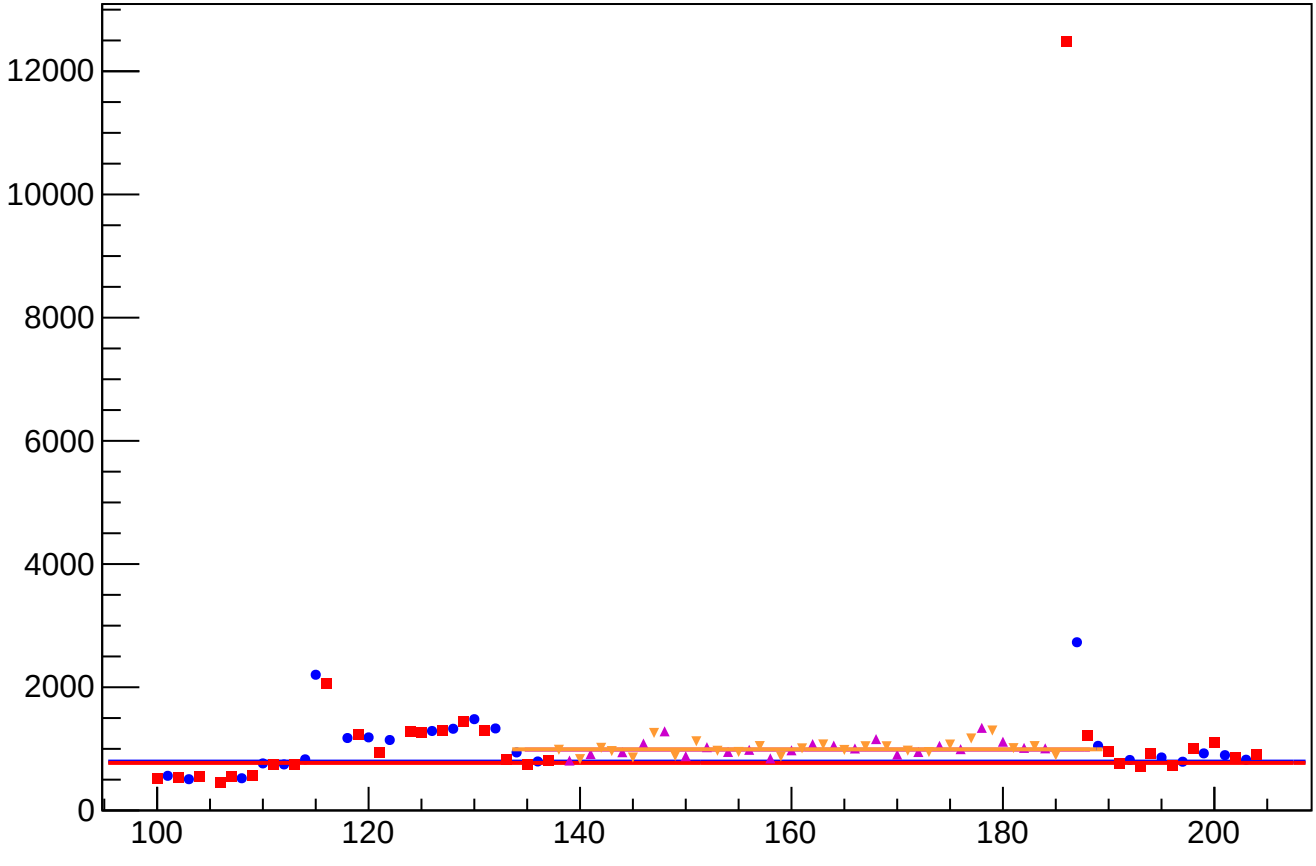
Right: -129.865+/-154.952 χ^2/NDF: 54.7/53

In: 121.377+/-163.541 χ^2/NDF:56.6/46

Out: 73.303+/-154.334 χ^2/NDF:60.2/54

All: 95.949+/-112.244 χ^2/NDF: 116.8/101

asym_sam5_rms vs Slug, Sign Corrected



Right In: 793.146+/-0.162 χ^2/NDF: 2186049.9/23

Left Out: 992.549+/-0.161 χ^2/NDF:424899.6/24

Right Out: 772.038+/-0.148 χ^2/NDF: 3296887.7/29

Left In: 987.784+/-0.165 χ^2/NDF:487733.2/22

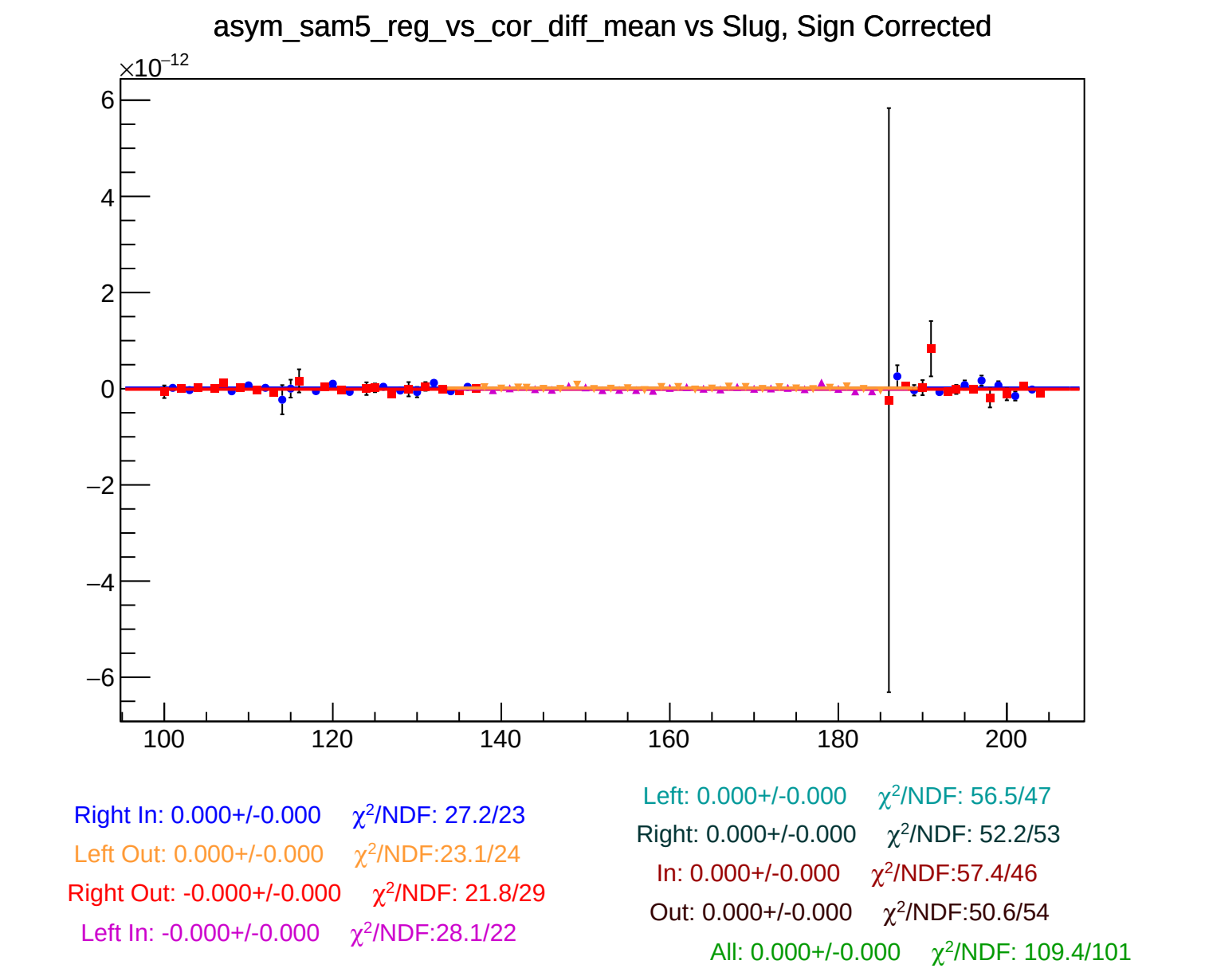
Left: 990.223+/-0.115 χ^2/NDF: 913060.8/47

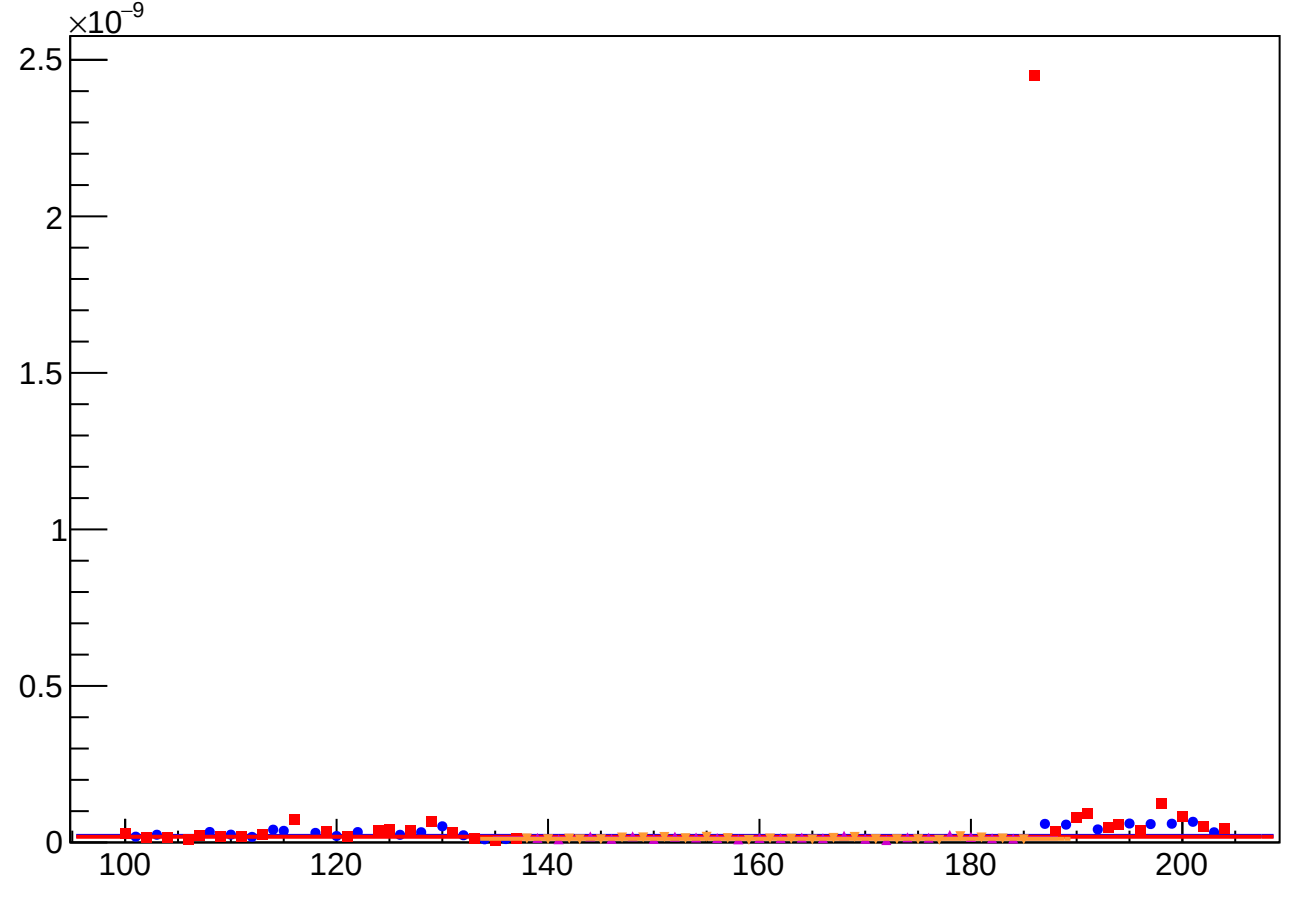
Right: 781.654+/-0.110 χ^2/NDF: 5492142.4/53

In: 889.019+/-0.116 χ^2/NDF:3381856.9/46

Out: 873.445+/-0.109 χ^2/NDF:4735933.7/54

All: 880.781+/-0.079 χ^2/NDF: 8127384.6/101


asym_sam5_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
6
4
2
0
−2
−4
−6
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 27.2/23
Left Out: 0.000+/-0.000 χ²/NDF:23.1/24
Right Out: -0.000+/-0.000 χ²/NDF: 21.8/29
Left In: -0.000+/-0.000 χ²/NDF:28.1/22
Left: 0.000+/-0.000 χ²/NDF: 56.5/47
Right: 0.000+/-0.000 χ²/NDF: 52.2/53
In: 0.000+/-0.000 χ²/NDF:57.4/46
Out: 0.000+/-0.000 χ²/NDF:50.6/54
All: 0.000+/-0.000 χ²/NDF: 109.4/101



Right In: 0.000+/-0.000 χ^2/NDF: 3352442.7/23

Left Out: 0.000+/-0.000 χ^2/NDF:762184.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5468010.1/29

Left In: 0.000+/-0.000 χ^2/NDF:853838.4/22

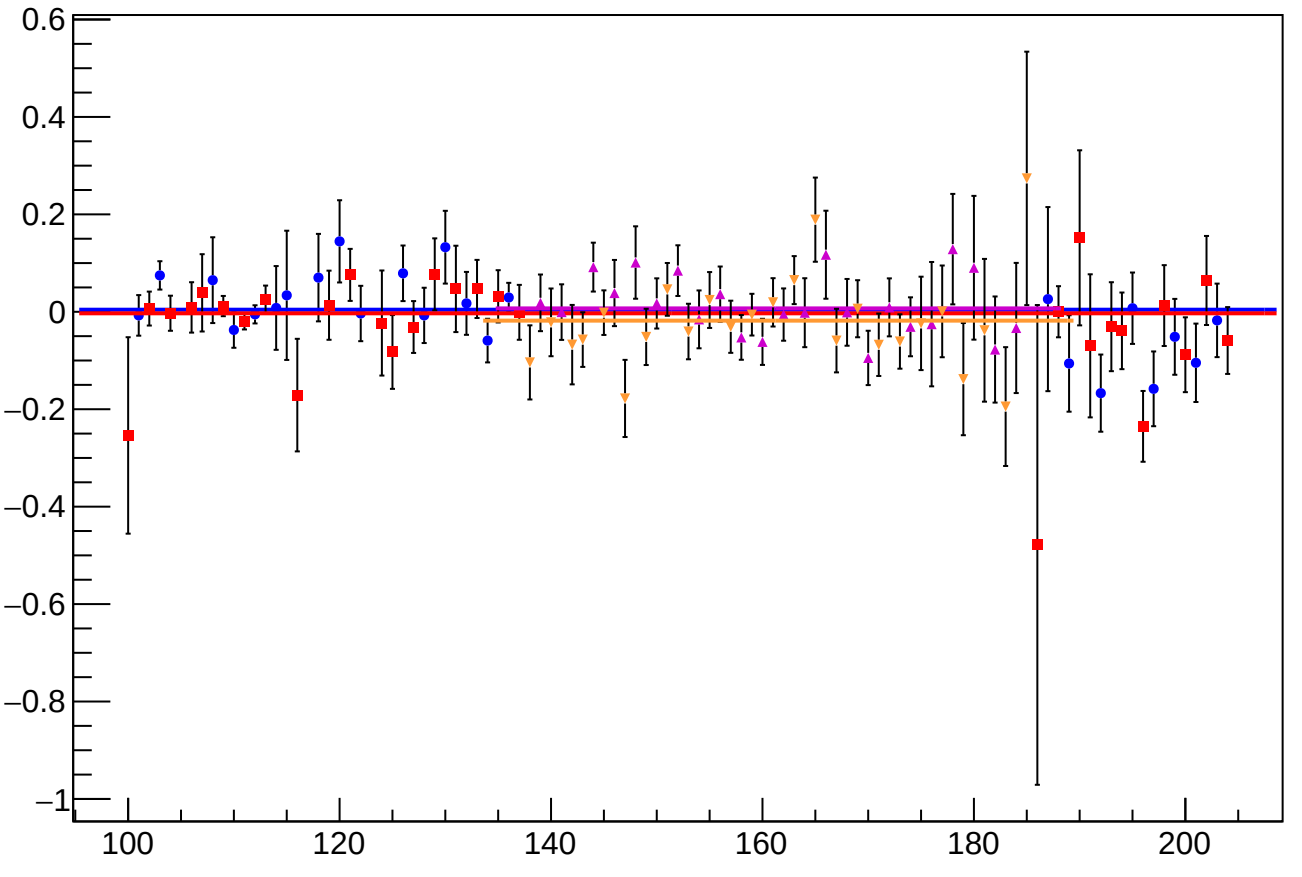
Left: 0.000+/-0.000 χ^2/NDF: 1727958.5/47

Right: 0.000+/-0.000 χ^2/NDF: 8905325.7/53

In: 0.000+/-0.000 χ^2/NDF:5082430.0/46

Out: 0.000+/-0.000 χ^2/NDF:7074998.3/54

All: 0.000+/-0.000 χ^2/NDF: 12357988.8/101



Right In: 0.004+/-0.010 χ^2/NDF: 31.6/23

Left Out: -0.018+/-0.013 χ^2/NDF:24.3/24

Right Out: -0.003+/-0.009 χ^2/NDF: 27.7/29

Left In: 0.007+/-0.013 χ^2/NDF:18.7/22

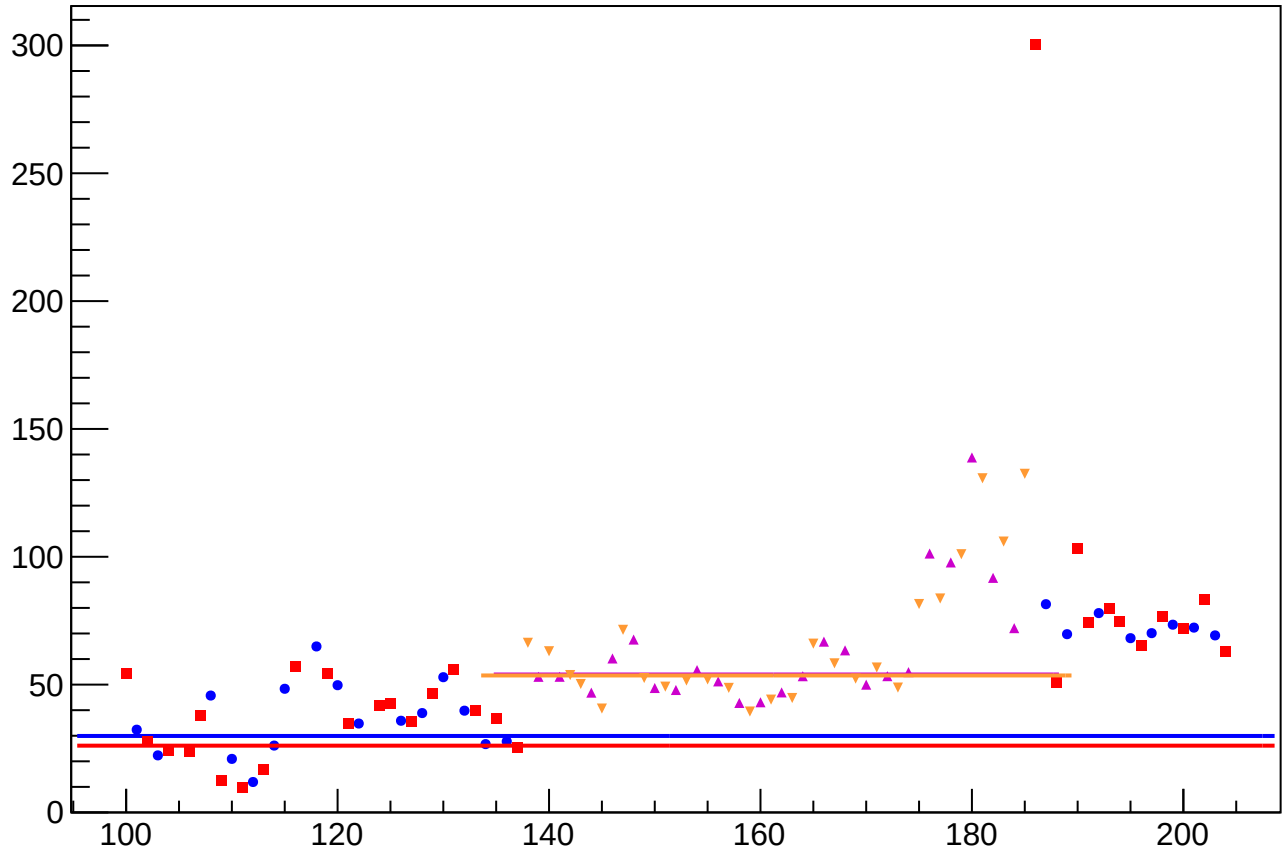
Left: -0.006+/-0.009 χ^2/NDF: 44.9/47

Right: 0.000+/-0.007 χ^2/NDF: 59.6/53

In: 0.005+/-0.008 χ^2/NDF:50.4/46

Out: -0.008+/-0.007 χ^2/NDF:53.0/54

All: -0.002+/-0.005 χ^2/NDF: 104.8/101



Right In: 29.919+/-0.007 χ^2/NDF: 7021603.0/23

Left Out: 53.582+/-0.009 χ^2/NDF:2642509.0/24

Right Out: 26.124+/-0.006 χ^2/NDF: 10829034.0/29

Left In: 53.961+/-0.009 χ^2/NDF:2039530.1/22

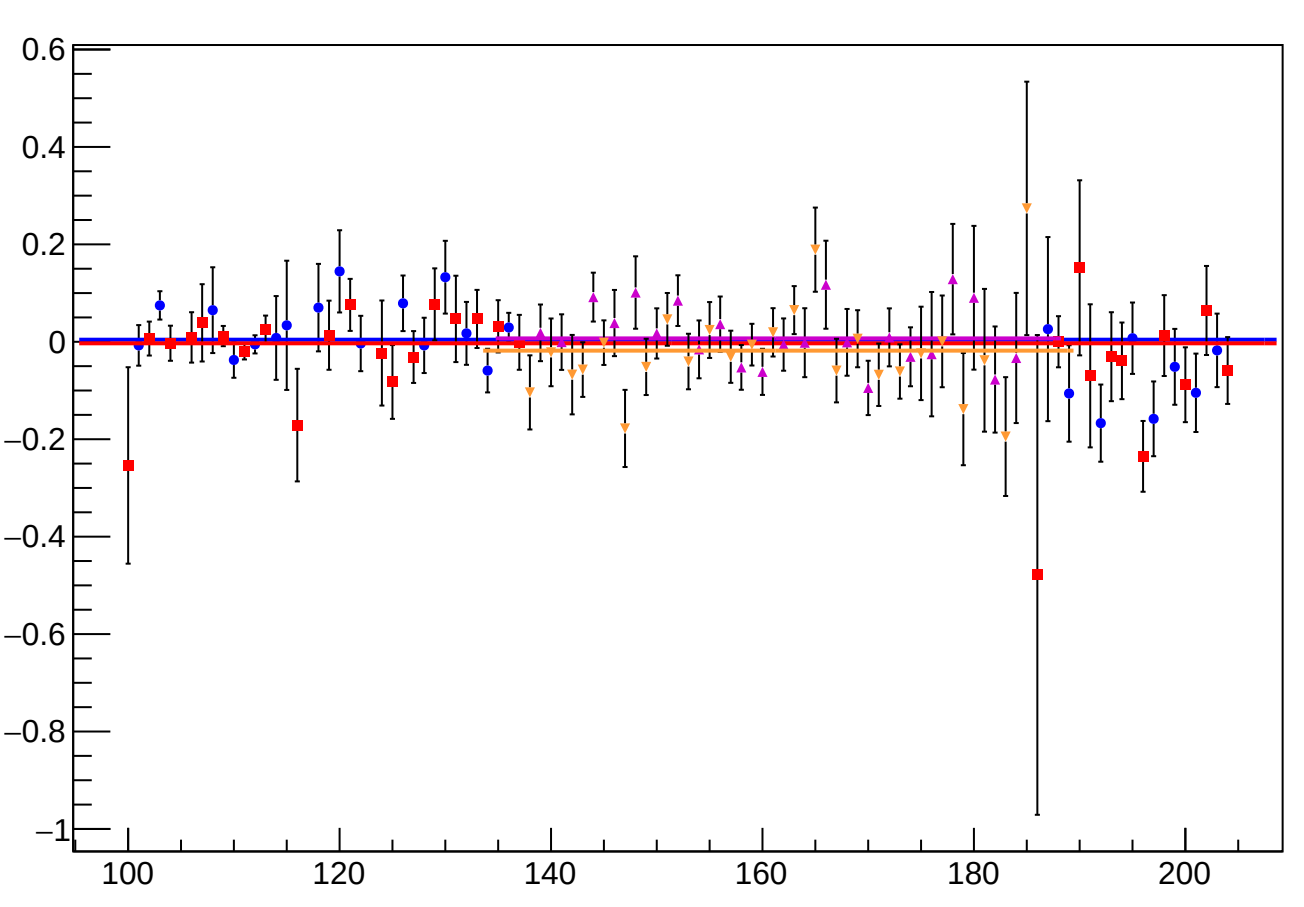
Left: 53.766+/-0.006 χ^2/NDF: 4682889.4/47

Right: 27.758+/-0.005 χ^2/NDF: 18015662.3/53

In: 38.657+/-0.006 χ^2/NDF:13288963.3/46

Out: 34.756+/-0.005 χ^2/NDF:19780959.8/54

All: 36.507+/-0.004 χ^2/NDF: 33335125.0/101



Right In: 0.004+/-0.010 χ^2/NDF: 31.6/23

Left Out: -0.018+/-0.013 χ^2/NDF:24.3/24

Right Out: -0.003+/-0.009 χ^2/NDF: 27.7/29

Left In: 0.007+/-0.013 χ^2/NDF:18.7/22

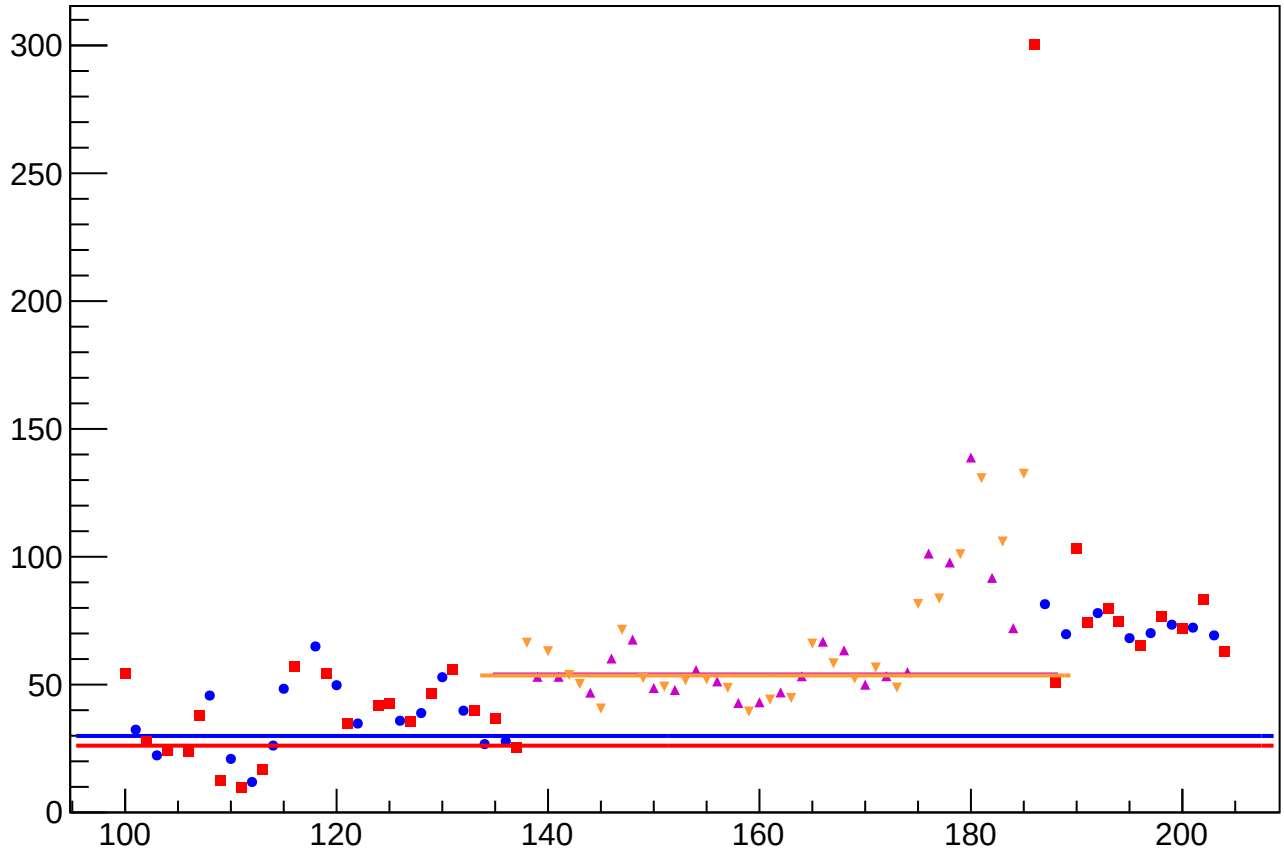
Left: -0.006+/-0.009 χ^2/NDF: 44.9/47

Right: 0.000+/-0.007 χ^2/NDF: 59.6/53

In: 0.005+/-0.008 χ^2/NDF:50.4/46

Out: -0.008+/-0.007 χ^2/NDF:53.0/54

All: -0.002+/-0.005 χ^2/NDF: 104.8/101



Right In: 29.919+/-0.007 χ^2/NDF: 7021603.0/23

Left Out: 53.582+/-0.009 χ^2/NDF:2642509.0/24

Right Out: 26.124+/-0.006 χ^2/NDF: 10829034.0/29

Left In: 53.961+/-0.009 χ^2/NDF:2039530.1/22

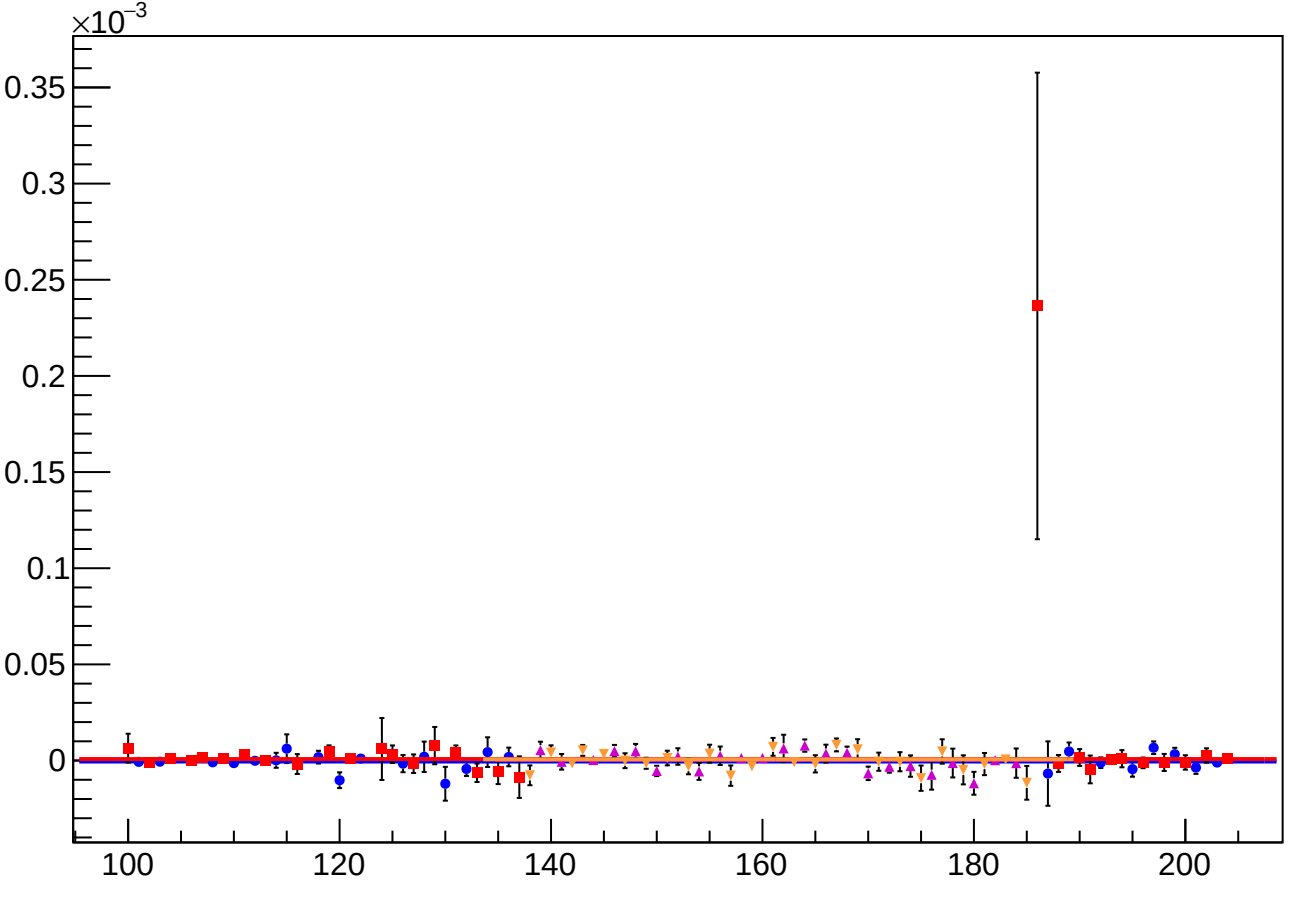
Left: 53.766+/-0.006 χ^2/NDF: 4682889.4/47

Right: 27.758+/-0.005 χ^2/NDF: 18015662.3/53

In: 38.657+/-0.006 χ^2/NDF:13288963.3/46

Out: 34.756+/-0.005 χ^2/NDF:19780959.8/54

All: 36.507+/-0.004 χ^2/NDF: 33335125.0/101



Right In: -0.000+/-0.000 χ^2/NDF: 20.9/23

Left Out: 0.000+/-0.000 χ^2/NDF:31.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 17.7/29

Left In: 0.000+/-0.000 χ^2/NDF:30.9/22

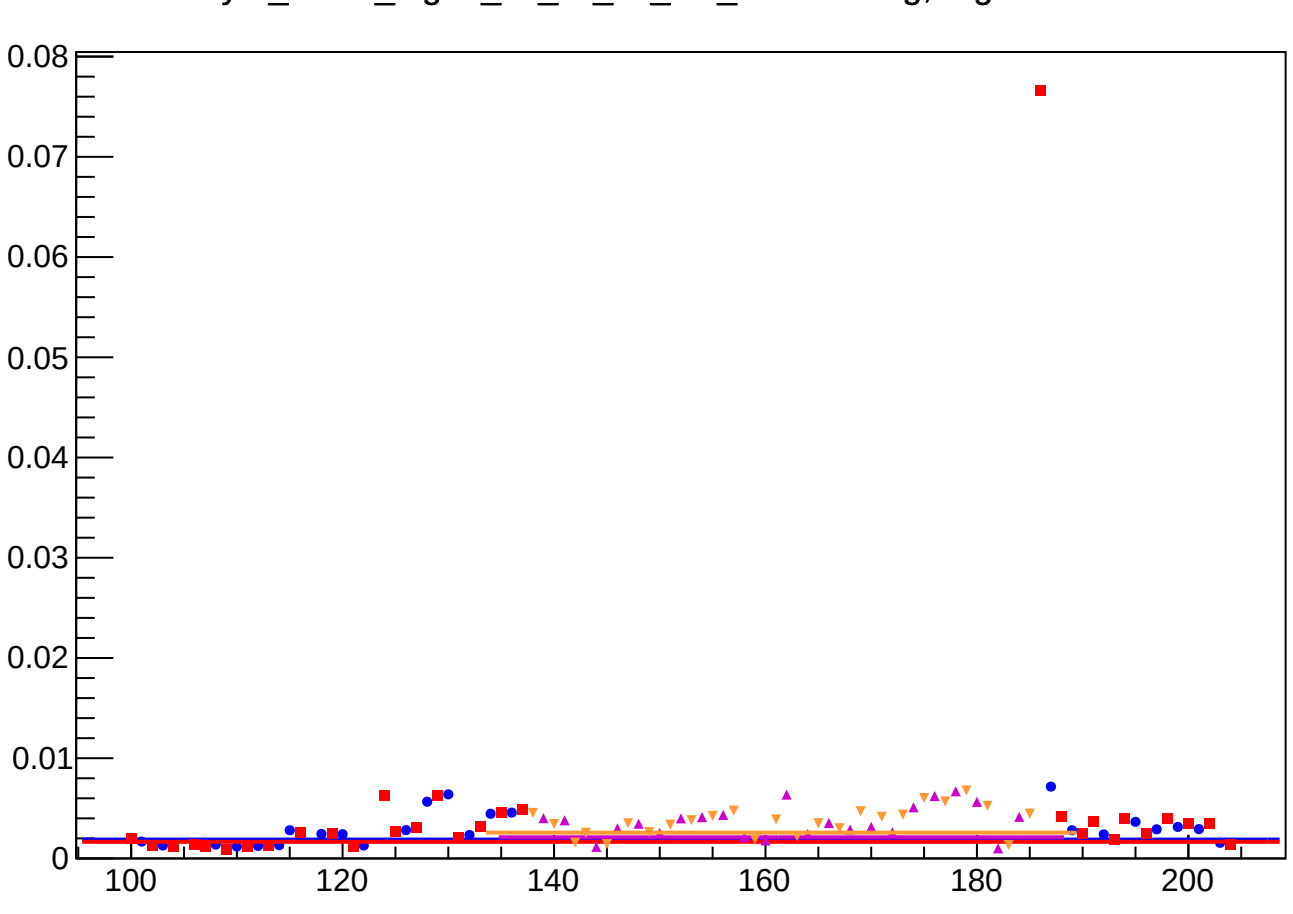
Left: 0.000+/-0.000 χ^2/NDF: 61.9/47

Right: 0.000+/-0.000 χ^2/NDF: 41.3/53

In: -0.000+/-0.000 χ^2/NDF:52.9/46

Out: 0.000+/-0.000 χ^2/NDF:48.7/54

All: 0.000+/-0.000 χ^2/NDF: 103.4/101



Right In: 0.002+/-0.000 χ^2/NDF: 4644387.8/23

Left Out: 0.003+/-0.000 χ^2/NDF:7112963.2/24

Right Out: 0.002+/-0.000 χ^2/NDF: 7281014.5/29

Left In: 0.002+/-0.000 χ^2/NDF:9487138.7/22

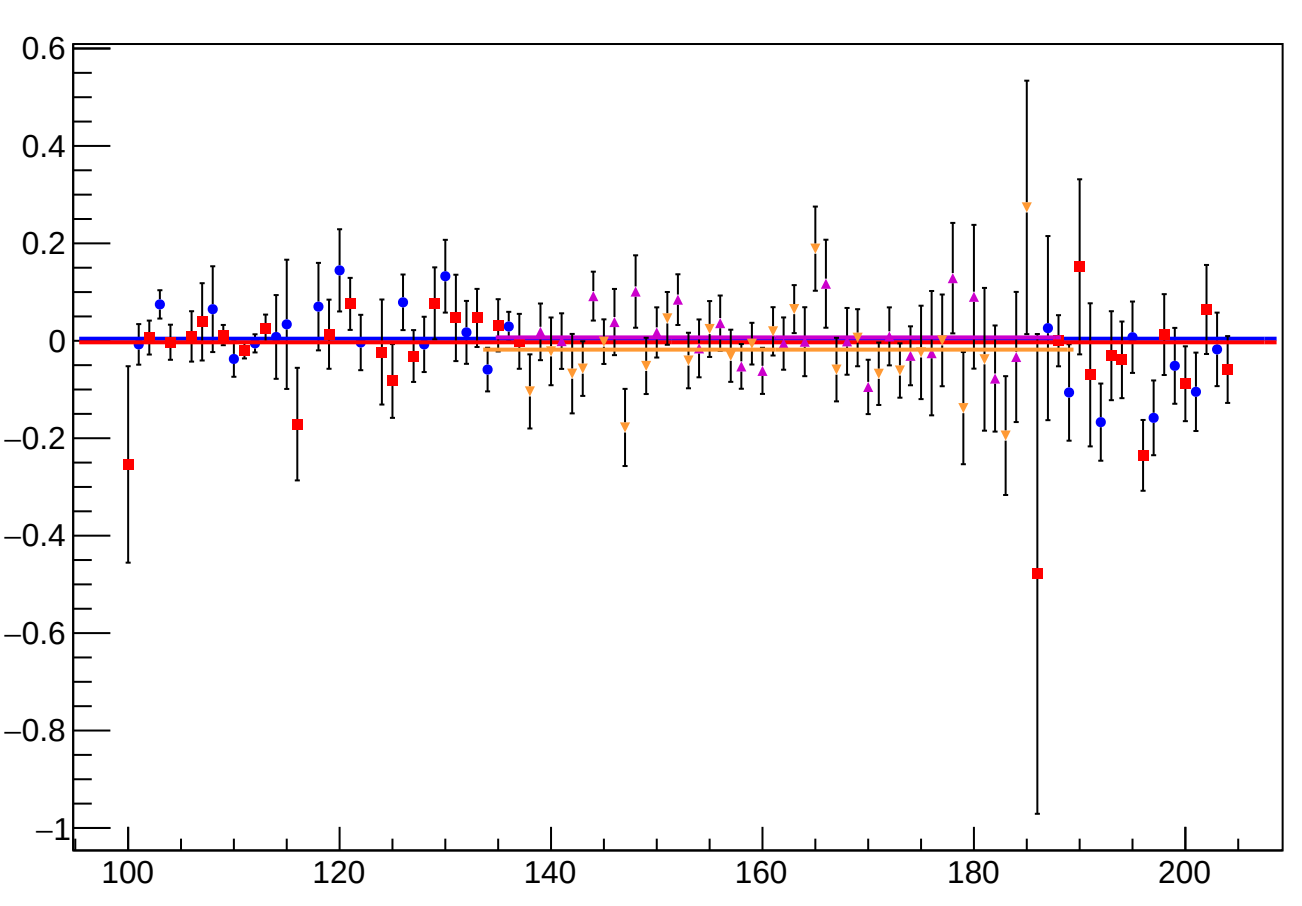
Left: 0.002+/-0.000 χ^2/NDF: 17155413.1/47

Right: 0.002+/-0.000 χ^2/NDF: 12091403.2/53

In: 0.002+/-0.000 χ^2/NDF:14284033.5/46

Out: 0.002+/-0.000 χ^2/NDF:16830362.6/54

All: 0.002+/-0.000 χ^2/NDF: 31114863.2/101



Right In: 0.004+/-0.010 χ^2/NDF: 31.6/23

Left Out: -0.018+/-0.013 χ^2/NDF:24.3/24

Right Out: -0.003+/-0.009 χ^2/NDF: 27.7/29

Left In: 0.007+/-0.013 χ^2/NDF:18.7/22

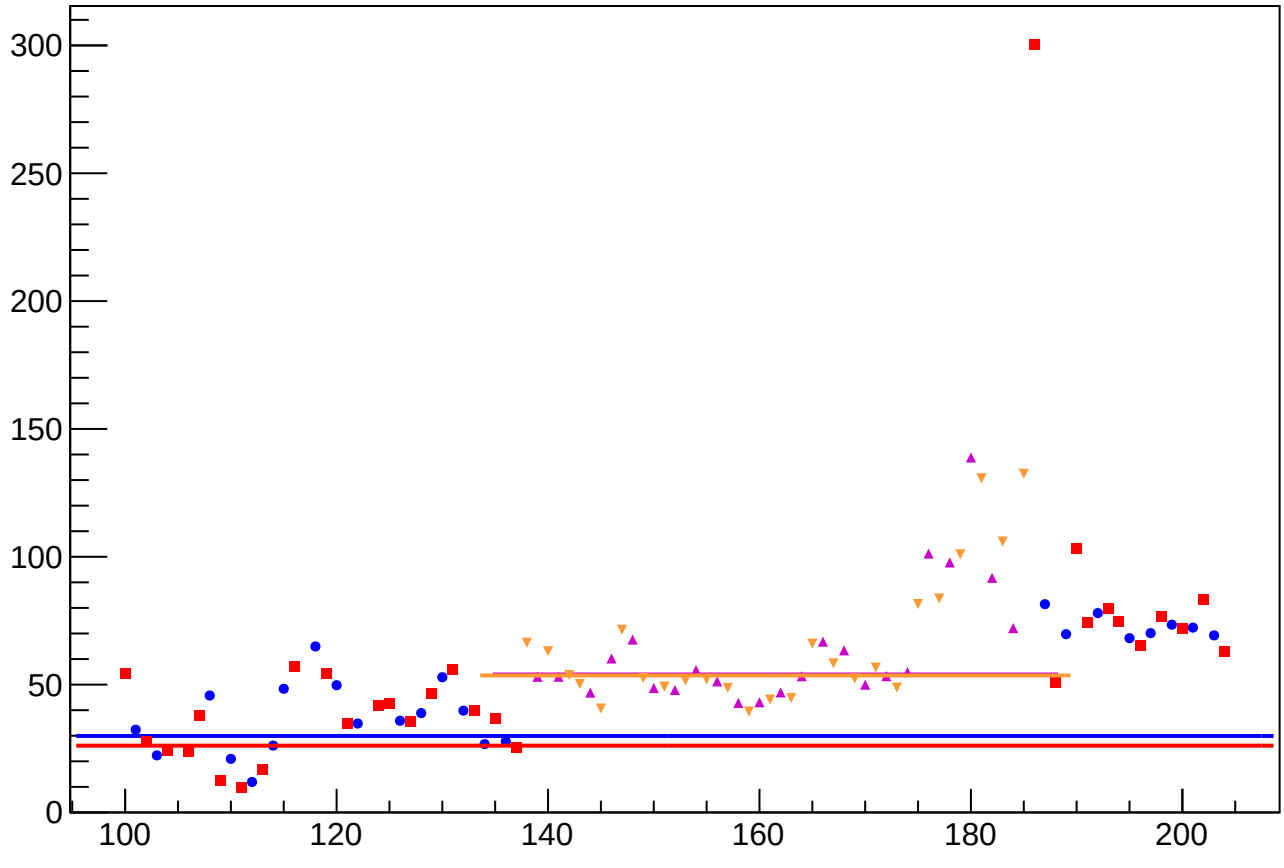
Left: -0.006+/-0.009 χ^2/NDF: 44.9/47

Right: 0.000+/-0.007 χ^2/NDF: 59.6/53

In: 0.005+/-0.008 χ^2/NDF:50.4/46

Out: -0.008+/-0.007 χ^2/NDF:53.0/54

All: -0.002+/-0.005 χ^2/NDF: 104.8/101



Right In: 29.918+/-0.007 χ^2/NDF: 7021677.6/23

Left Out: 53.582+/-0.009 χ^2/NDF:2642554.6/24

Right Out: 26.123+/-0.006 χ^2/NDF: 10829212.8/29

Left In: 53.961+/-0.009 χ^2/NDF:2039571.7/22

Left: 53.766+/-0.006 χ^2/NDF: 4682976.8/47

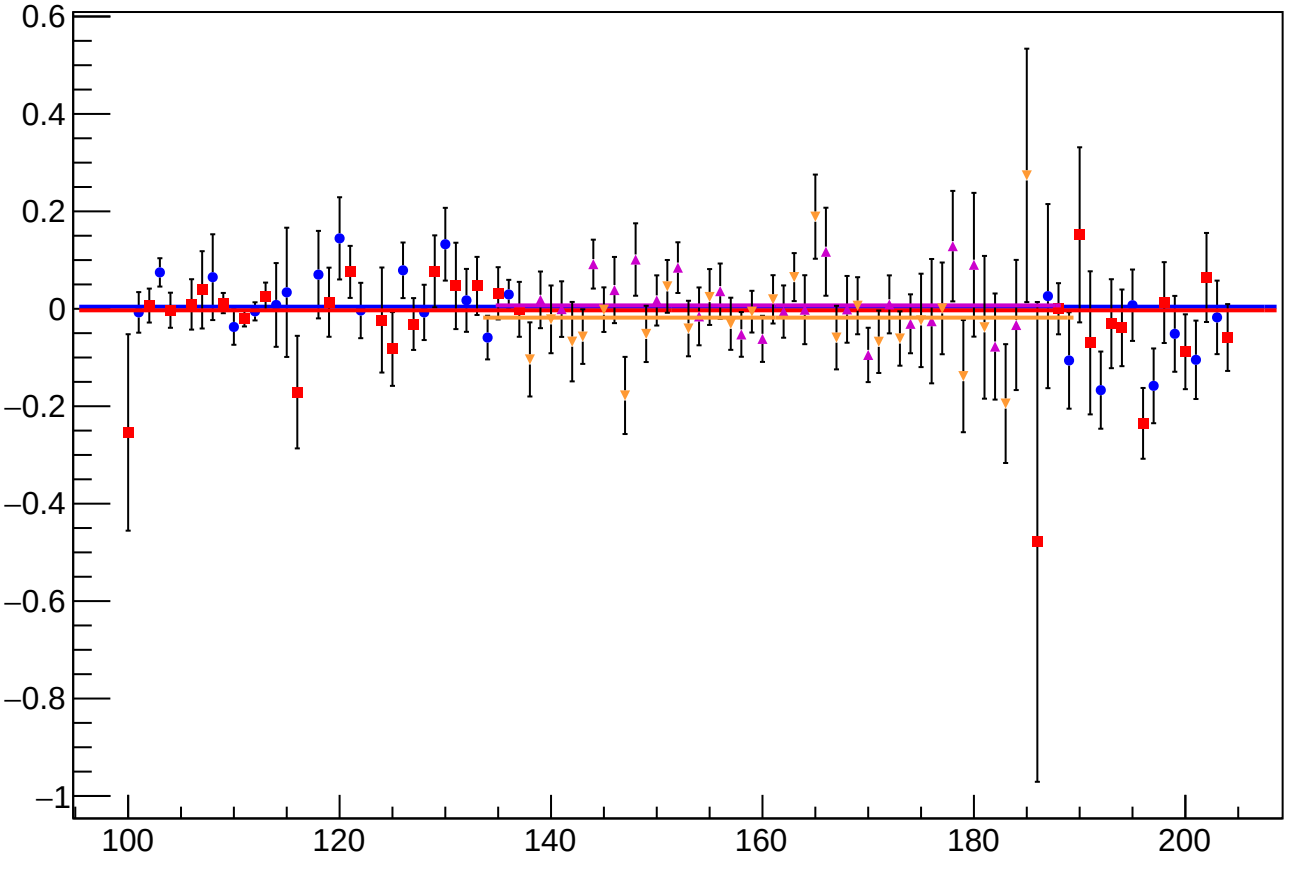
Right: 27.757+/-0.005 χ^2/NDF: 18015925.7/53

In: 38.656+/-0.006 χ^2/NDF:13289441.0/46

Out: 34.755+/-0.005 χ^2/NDF:19781659.1/54

All: 36.506+/-0.004 χ^2/NDF: 33336320.7/101

asym_sam5_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.004+/-0.010 χ^2/NDF: 31.6/23

Left Out: -0.018+/-0.013 χ^2/NDF:24.3/24

Right Out: -0.003+/-0.009 χ^2/NDF: 27.7/29

Left In: 0.007+/-0.013 χ^2/NDF:18.7/22

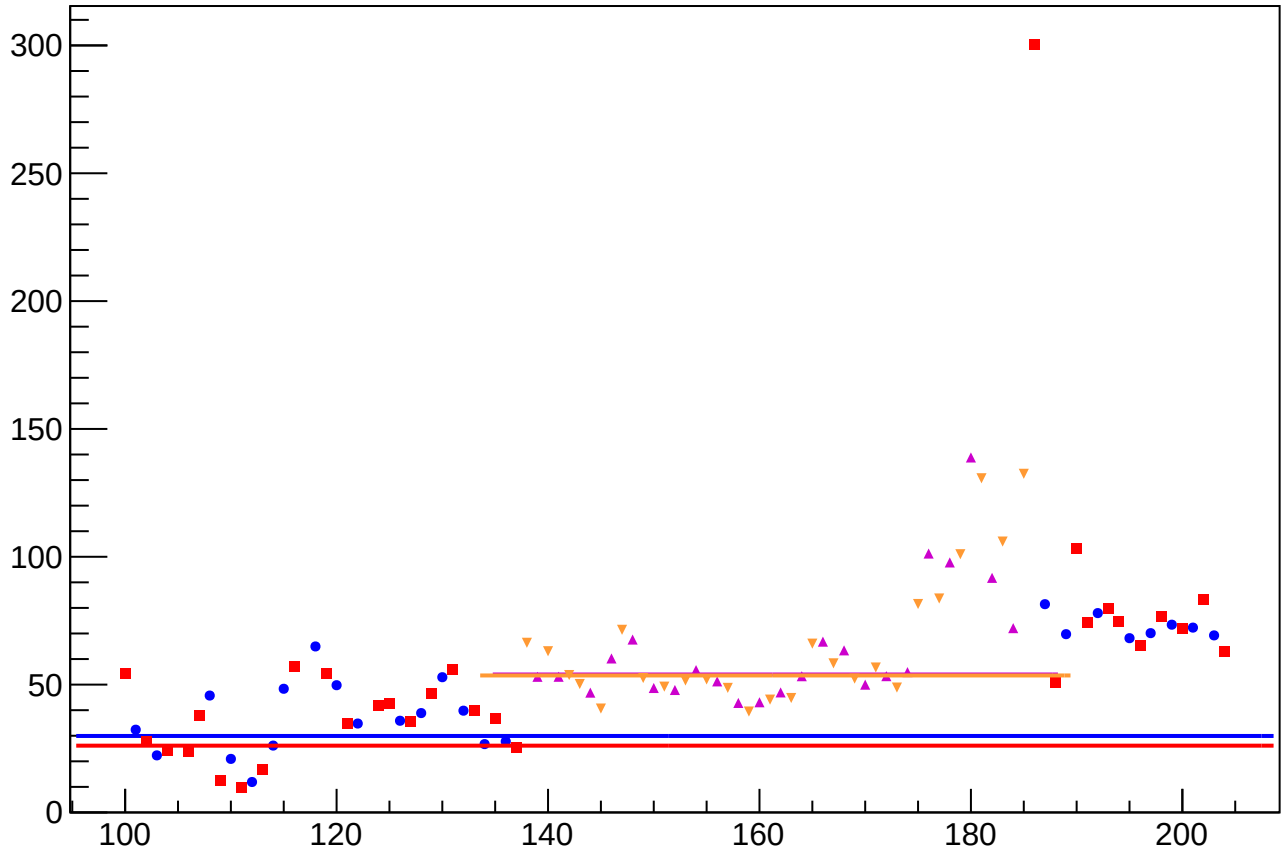
Left: -0.006+/-0.009 χ^2/NDF: 44.9/47

Right: 0.000+/-0.007 χ^2/NDF: 59.6/53

In: 0.005+/-0.008 χ^2/NDF:50.4/46

Out: -0.008+/-0.007 χ^2/NDF:53.0/54

All: -0.002+/-0.005 χ^2/NDF: 104.8/101



Right In: 29.918+/-0.007 χ^2/NDF: 7021677.6/23

Left Out: 53.582+/-0.009 χ^2/NDF:2642554.6/24

Right Out: 26.123+/-0.006 χ^2/NDF: 10829212.8/29

Left In: 53.961+/-0.009 χ^2/NDF:2039571.7/22

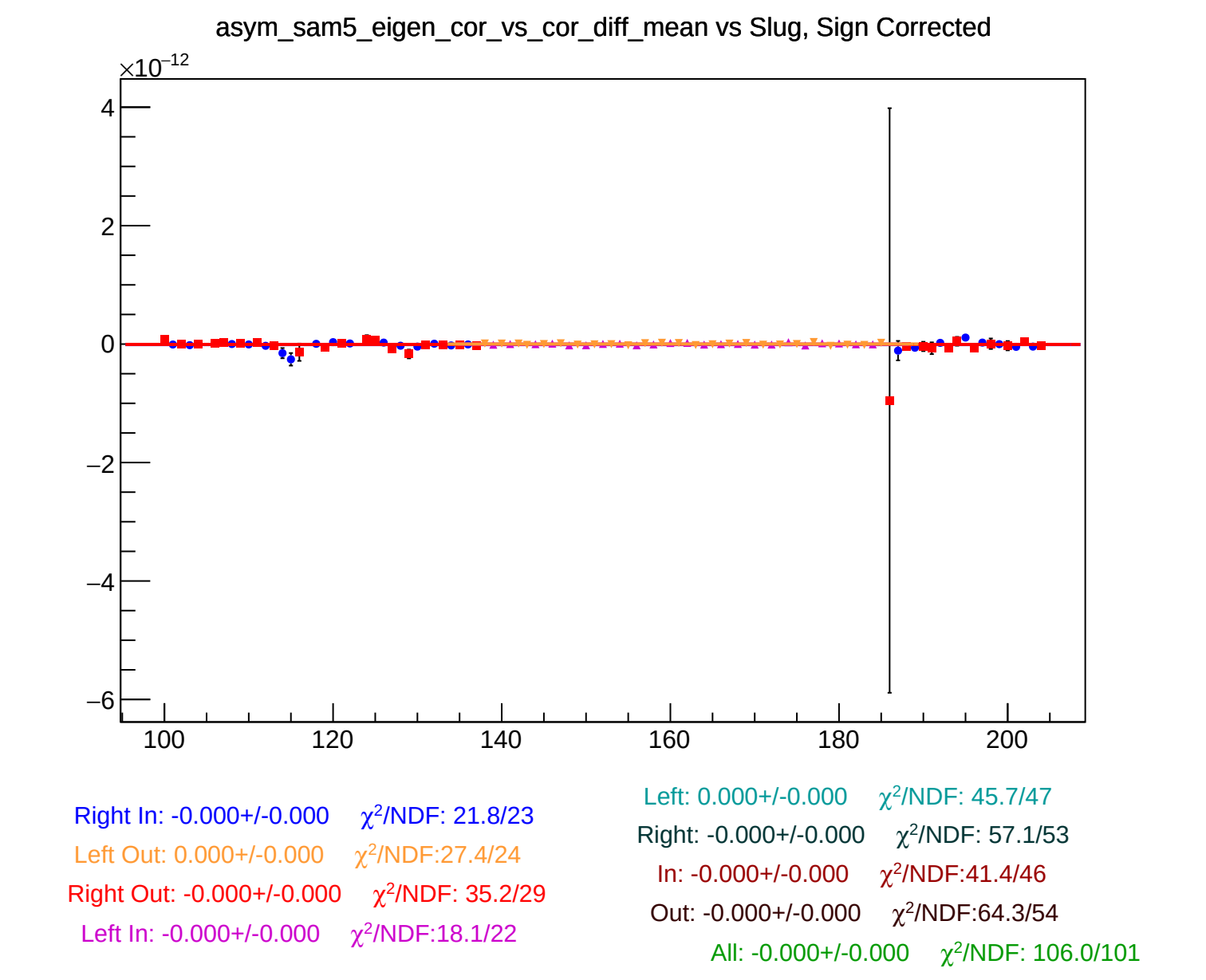
Left: 53.766+/-0.006 χ^2/NDF: 4682976.8/47

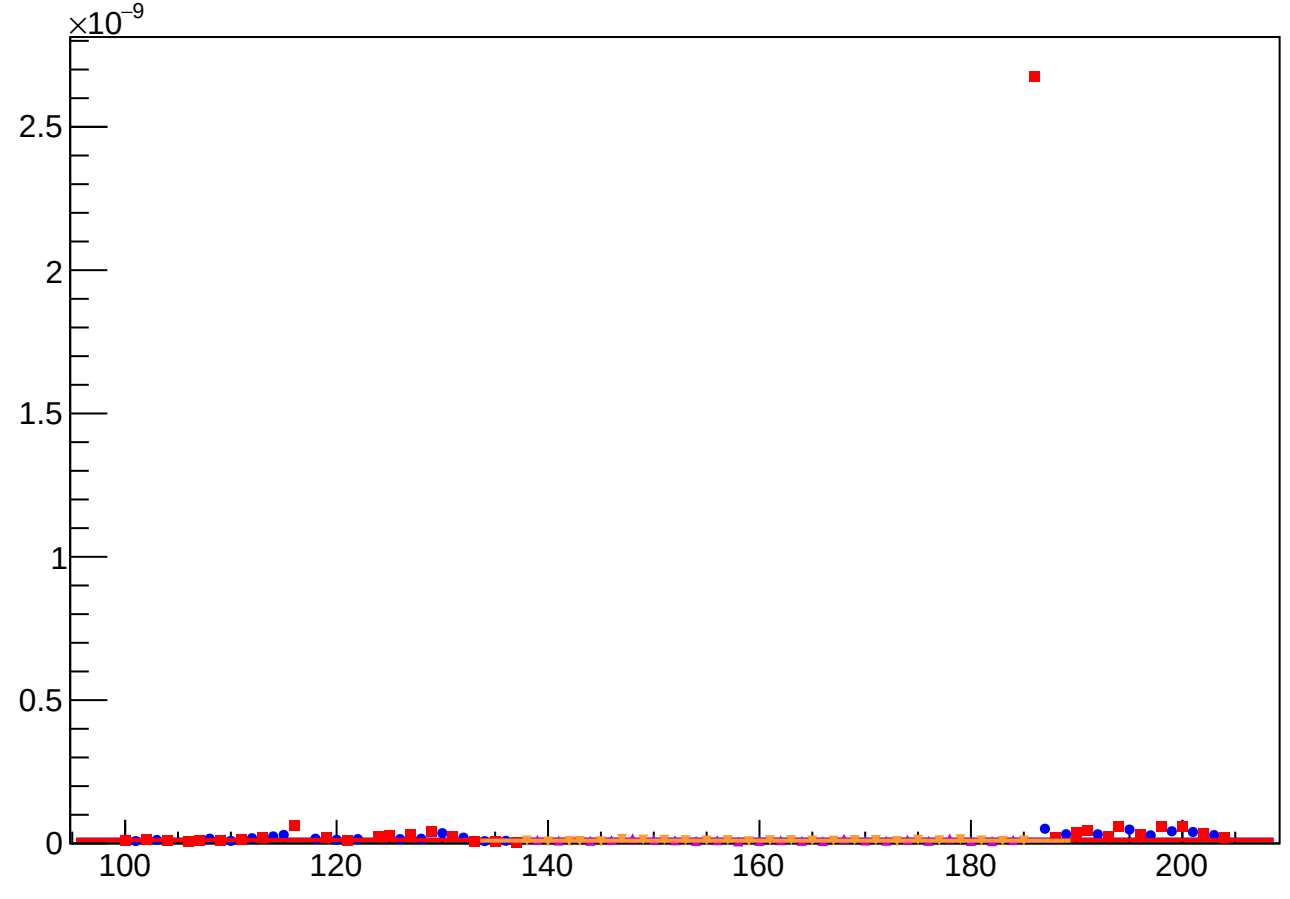
Right: 27.757+/-0.005 χ^2/NDF: 18015925.7/53

In: 38.656+/-0.006 χ^2/NDF:13289441.0/46

Out: 34.755+/-0.005 χ^2/NDF:19781659.1/54

All: 36.506+/-0.004 χ^2/NDF: 33336320.7/101


asym_sam5_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
4
2
0
−2
−4
−6
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 21.8/23
Left Out: 0.000+/-0.000 χ²/NDF:27.4/24
Right Out: -0.000+/-0.000 χ²/NDF: 35.2/29
Left In: -0.000+/-0.000 χ²/NDF:18.1/22
Left: 0.000+/-0.000 χ²/NDF: 45.7/47
Right: -0.000+/-0.000 χ²/NDF: 57.1/53
In: -0.000+/-0.000 χ²/NDF:41.4/46
Out: -0.000+/-0.000 χ²/NDF:64.3/54
All: -0.000+/-0.000 χ²/NDF: 106.0/101



Right In: 0.000+/-0.000 χ^2/NDF: 4435826.8/23

Left Out: 0.000+/-0.000 χ^2/NDF:1196110.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7584388.6/29

Left In: 0.000+/-0.000 χ^2/NDF:1313644.4/22

Left: 0.000+/-0.000 χ^2/NDF: 2523943.3/47

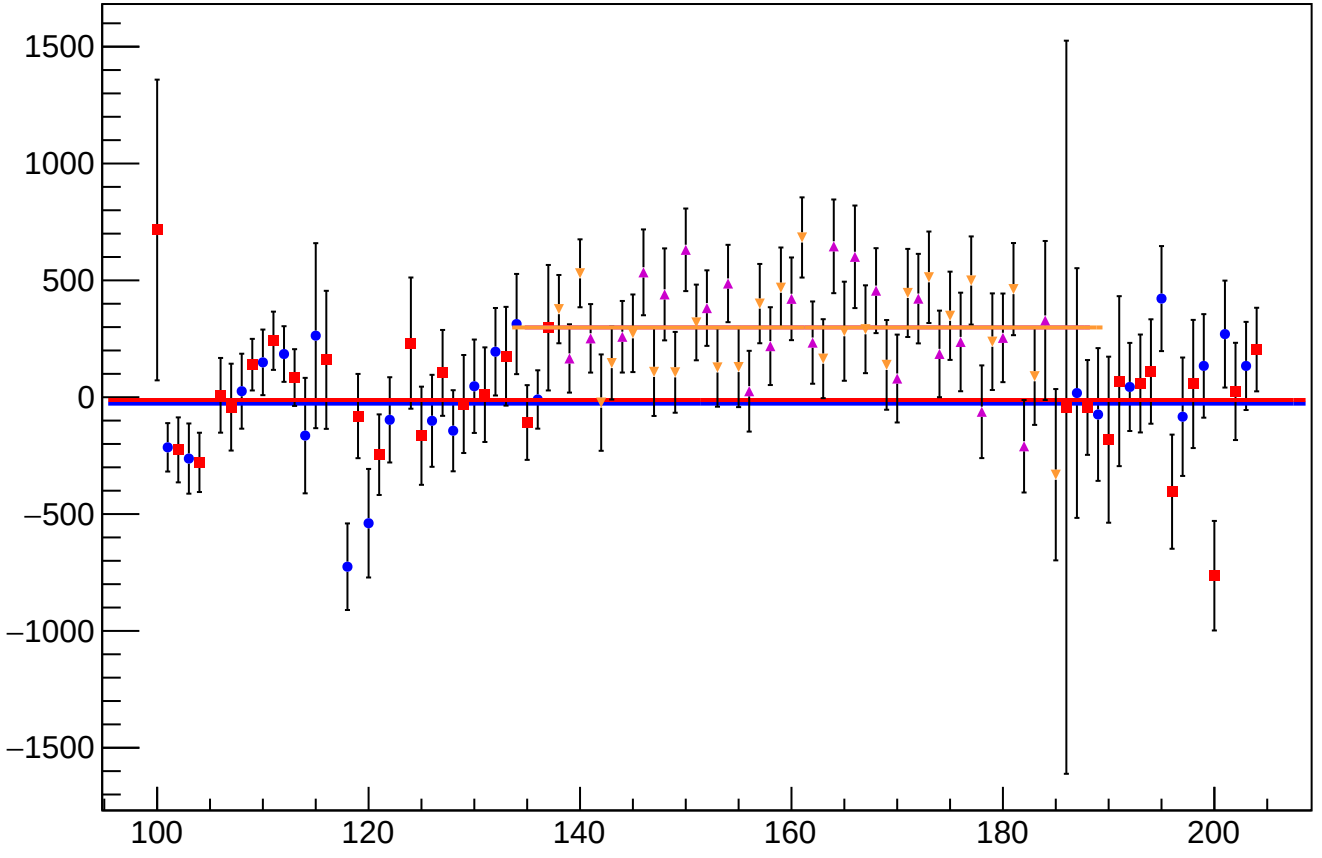
Right: 0.000+/-0.000 χ^2/NDF: 12113789.8/53

In: 0.000+/-0.000 χ^2/NDF:6372422.5/46

Out: 0.000+/-0.000 χ^2/NDF:9099344.7/54

All: 0.000+/-0.000 χ^2/NDF: 15524852.1/101

reg_asym_sam6_mean vs Slug, Sign Corrected



Right In: -27.466+/-36.668 χ^2/NDF: 42.5/23

Left Out: 298.517+/-36.051 χ^2/NDF:26.0/24

Right Out: -11.909+/-34.348 χ^2/NDF: 36.4/29

Left In: 298.675+/-37.727 χ^2/NDF:29.4/22

Left: 298.592+/-26.064 χ^2/NDF: 55.4/47

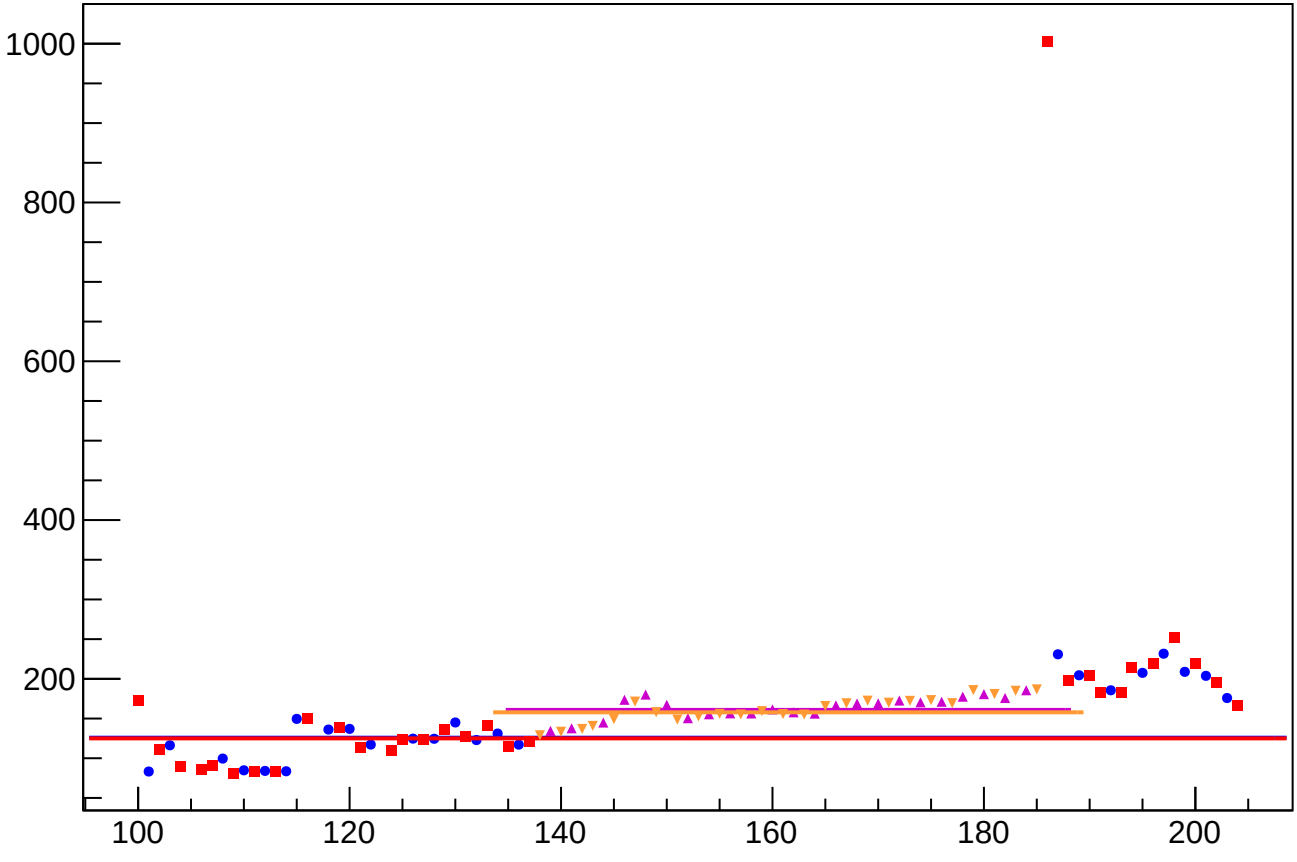
Right: -19.180+/-25.068 χ^2/NDF: 79.0/53

In: 130.965+/-26.295 χ^2/NDF:110.3/46

Out: 135.798+/-24.868 χ^2/NDF:101.2/54

All: 133.516+/-18.068 χ^2/NDF: 211.6/101

reg_asym_sam6_rms vs Slug, Sign Corrected



Right In: 125.866+/-0.026 χ^2/NDF: 2626454.9/23

Left Out: 157.836+/-0.025 χ^2/NDF:377205.2/24

Right Out: 125.014+/-0.024 χ^2/NDF: 4121742.0/29

Left In: 160.874+/-0.027 χ^2/NDF:268330.7/22

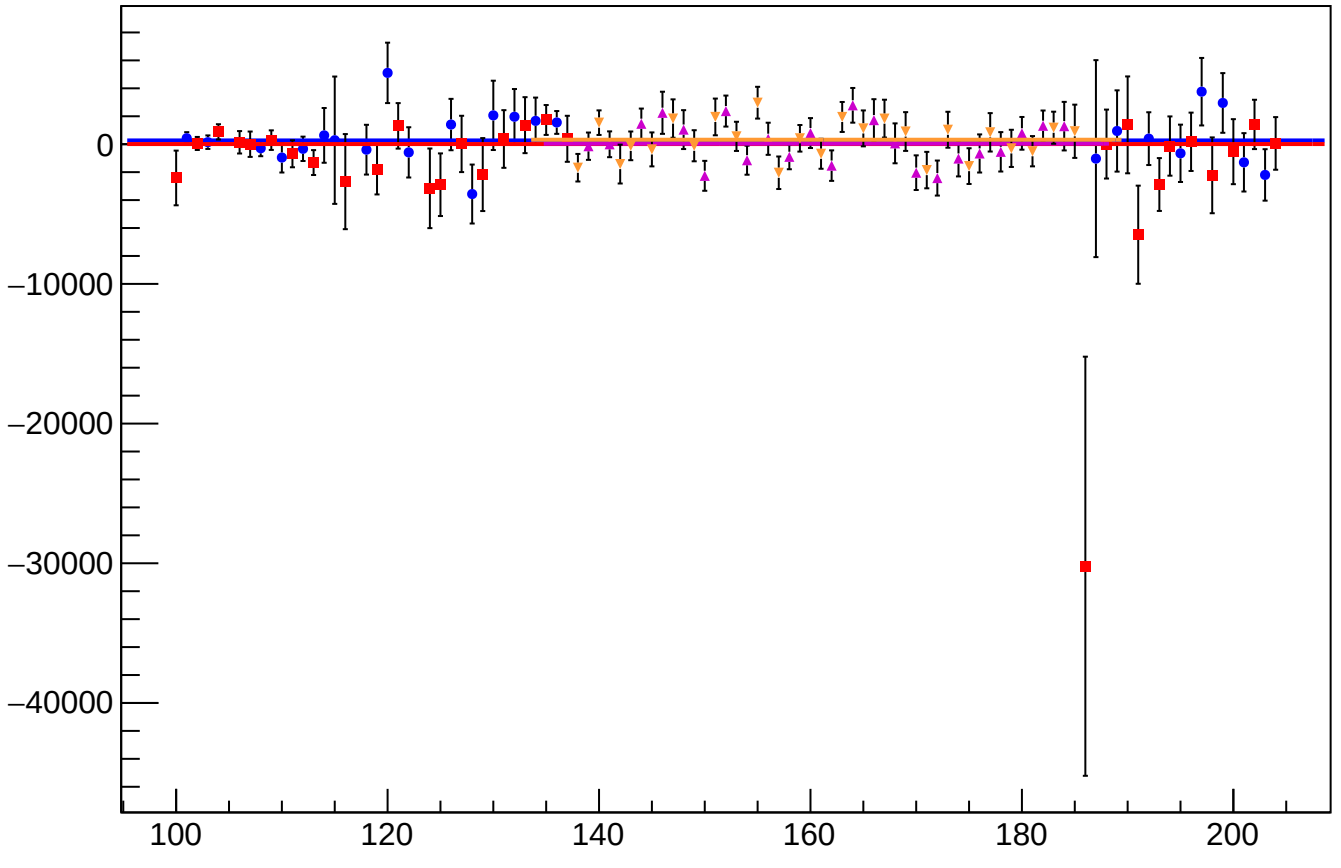
Left: 159.286+/-0.018 χ^2/NDF: 652314.6/47

Right: 125.412+/-0.018 χ^2/NDF: 6748773.3/53

In: 142.872+/-0.019 χ^2/NDF:3780333.1/46

Out: 140.631+/-0.018 χ^2/NDF:5367973.9/54

All: 141.689+/-0.013 χ^2/NDF: 9155976.1/101



Right In: 269.916+/-221.592 χ^2/NDF: 22.8/23

Left Out: 319.947+/-235.084 χ^2/NDF:32.5/24

Right Out: 10.544+/-220.641 χ^2/NDF: 27.5/29

Left In: 39.197+/-244.156 χ^2/NDF:34.8/22

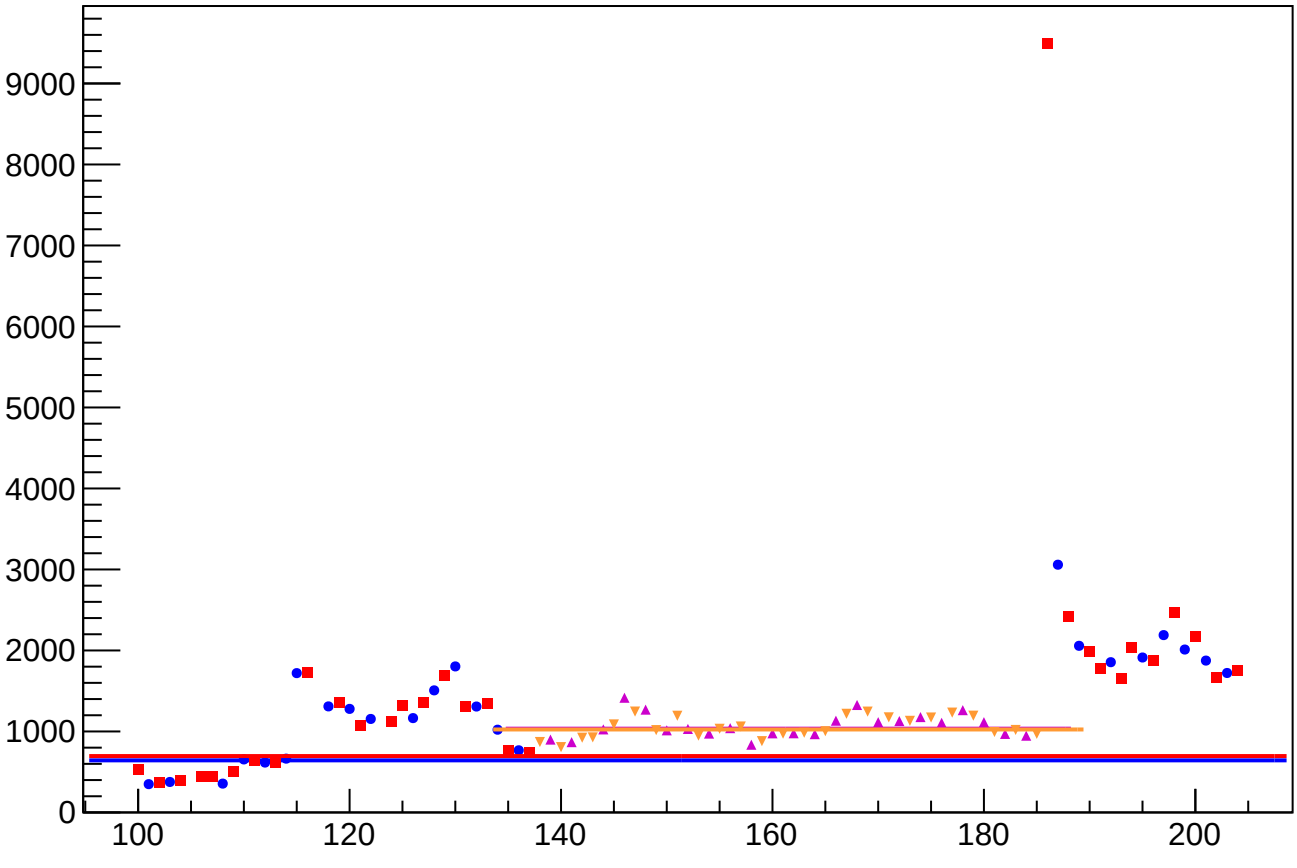
Left: 184.885+/-169.346 χ^2/NDF: 68.0/47

Right: 139.672+/-156.352 χ^2/NDF: 50.9/53

In: 165.708+/-164.088 χ^2/NDF:58.1/46

Out: 155.449+/-160.880 χ^2/NDF:60.9/54

All: 160.477+/-114.877 χ^2/NDF: 119.0/101



Right In: 643.242+/-0.157 χ^2/NDF: 9384071.4/23

Left Out: 1024.493+/-0.166 χ^2/NDF:597629.4/24

Right Out: 696.139+/-0.156 χ^2/NDF: 10729861.9/29

Left In: 1034.428+/-0.173 χ^2/NDF:628477.2/22

Left: 1029.272+/-0.120 χ^2/NDF: 1227824.8/47

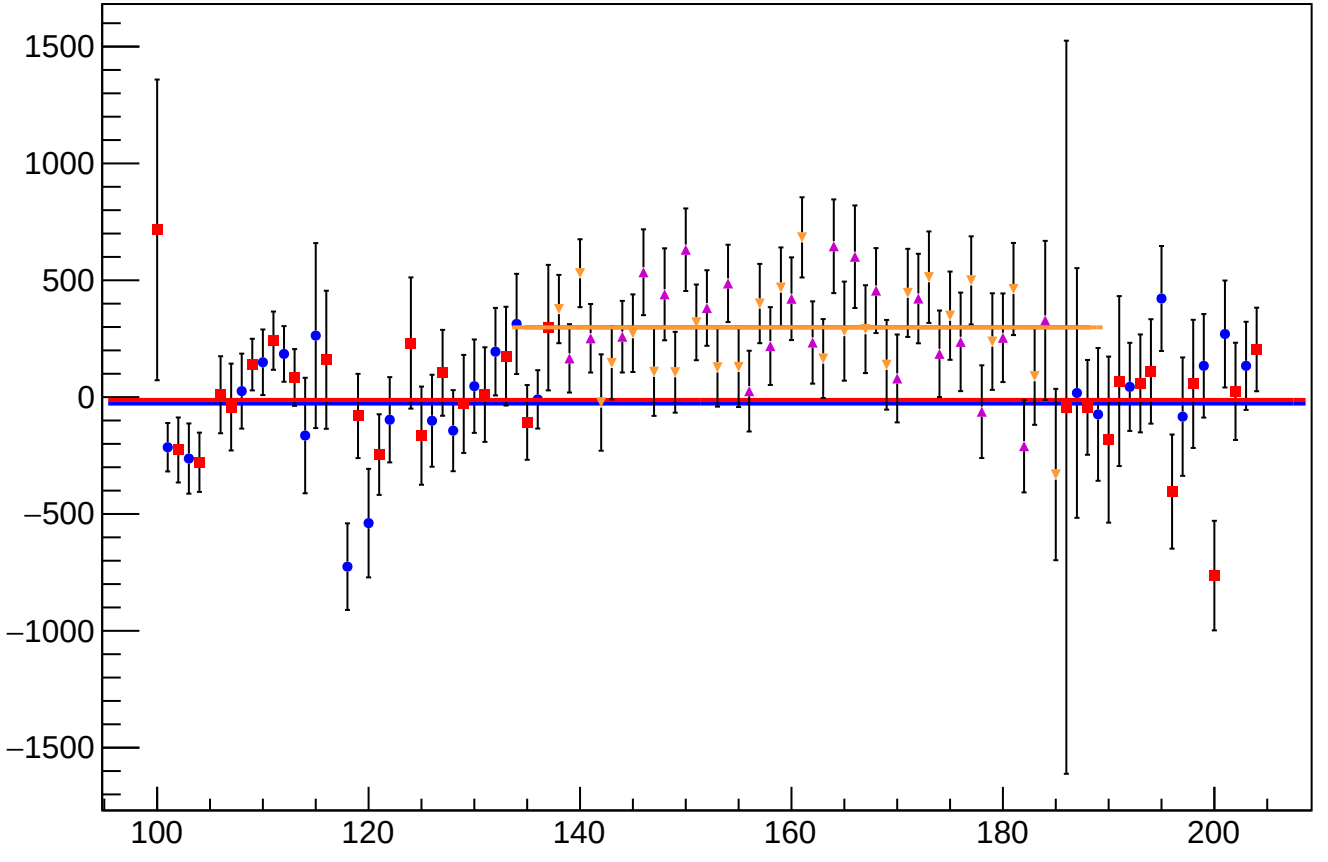
Right: 669.805+/-0.111 χ^2/NDF: 20171162.4/53

In: 819.928+/-0.116 χ^2/NDF:12827716.3/46

Out: 849.920+/-0.114 χ^2/NDF:13401942.4/54

All: 835.220+/-0.081 χ^2/NDF: 26263727.7/10

cor_asym_sam6_mean vs Slug, Sign Corrected



Right In: -27.487+/-36.668 χ^2/NDF: 42.5/23

Left Out: 298.518+/-36.051 χ^2/NDF:26.0/24

Right Out: -11.909+/-34.396 χ^2/NDF: 36.4/29

Left In: 298.682+/-37.727 χ^2/NDF:29.4/22

Left: 298.597+/-26.064 χ^2/NDF: 55.4/47

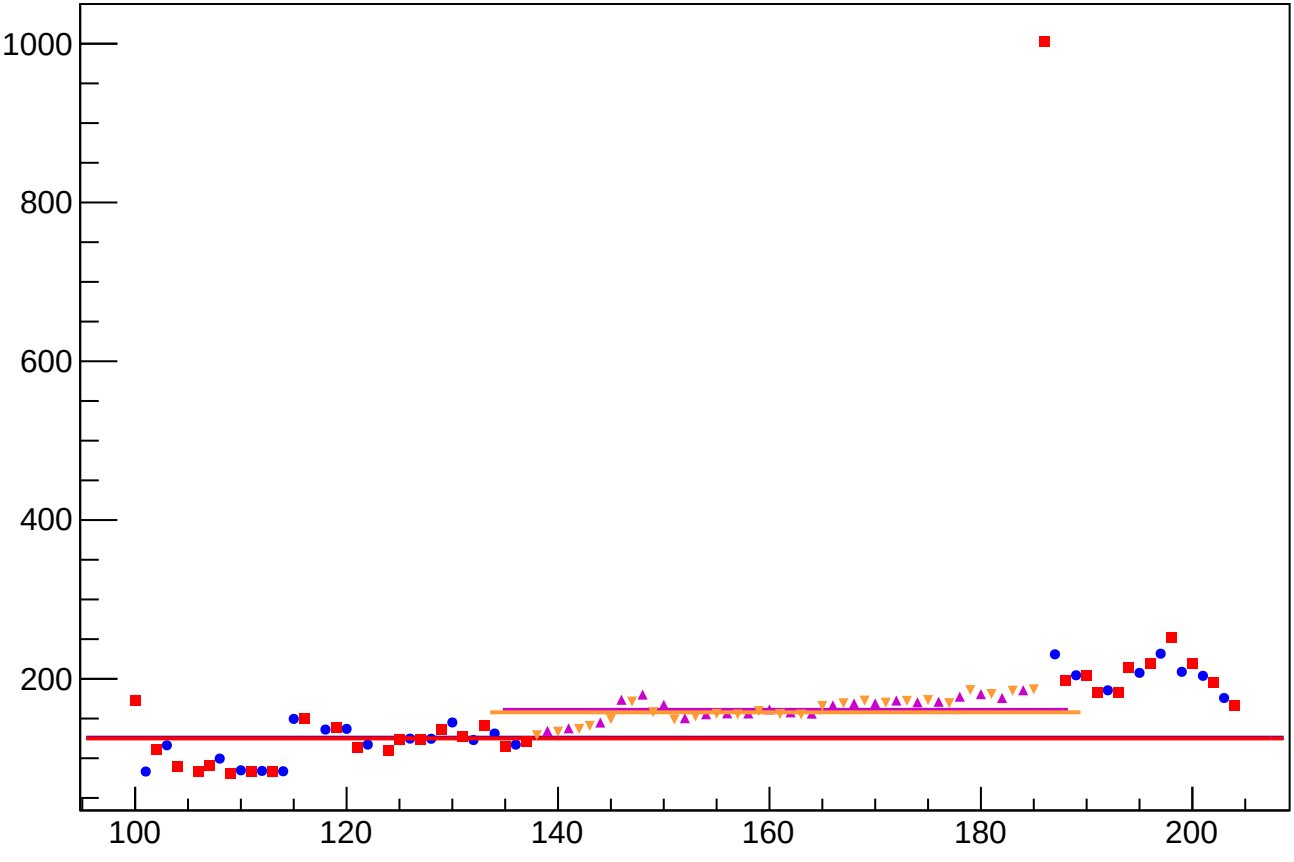
Right: -19.201+/-25.086 χ^2/NDF: 79.0/53

In: 130.958+/-26.295 χ^2/NDF:110.4/46

Out: 136.017+/-24.886 χ^2/NDF:101.2/54

All: 133.627+/-18.075 χ^2/NDF: 211.6/101

cor_asym_sam6_rms vs Slug, Sign Corrected



Right In: 125.867+/-0.026 χ^2/NDF: 2626453.5/23

Left Out: 157.836+/-0.025 χ^2/NDF:377205.2/24

Right Out: 124.987+/-0.024 χ^2/NDF: 4133312.5/29

Left In: 160.874+/-0.027 χ^2/NDF:268330.7/22

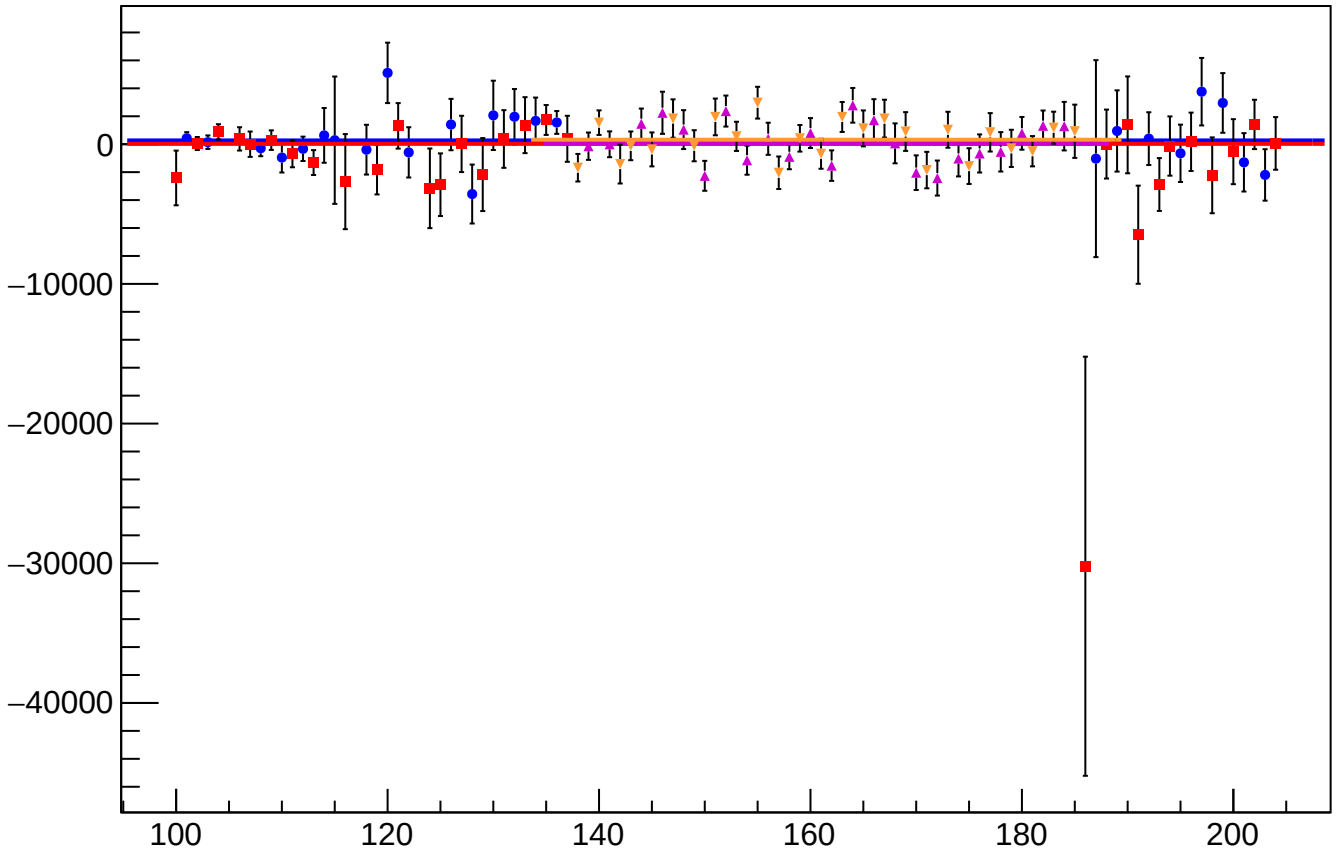
Left: 159.286+/-0.018 χ^2/NDF: 652314.6/47

Right: 125.398+/-0.018 χ^2/NDF: 6760378.7/53

In: 142.872+/-0.019 χ^2/NDF:3780328.9/46

Out: 140.640+/-0.018 χ^2/NDF:5379805.0/54

All: 141.695+/-0.013 χ^2/NDF: 9167736.7/101



Right In: 270.046+/-221.586 χ^2/NDF: 22.8/23

Left Out: 319.953+/-235.084 χ^2/NDF:32.5/24

Right Out: 26.231+/-221.178 χ^2/NDF: 27.6/29

Left In: 39.198+/-244.156 χ^2/NDF:34.8/22

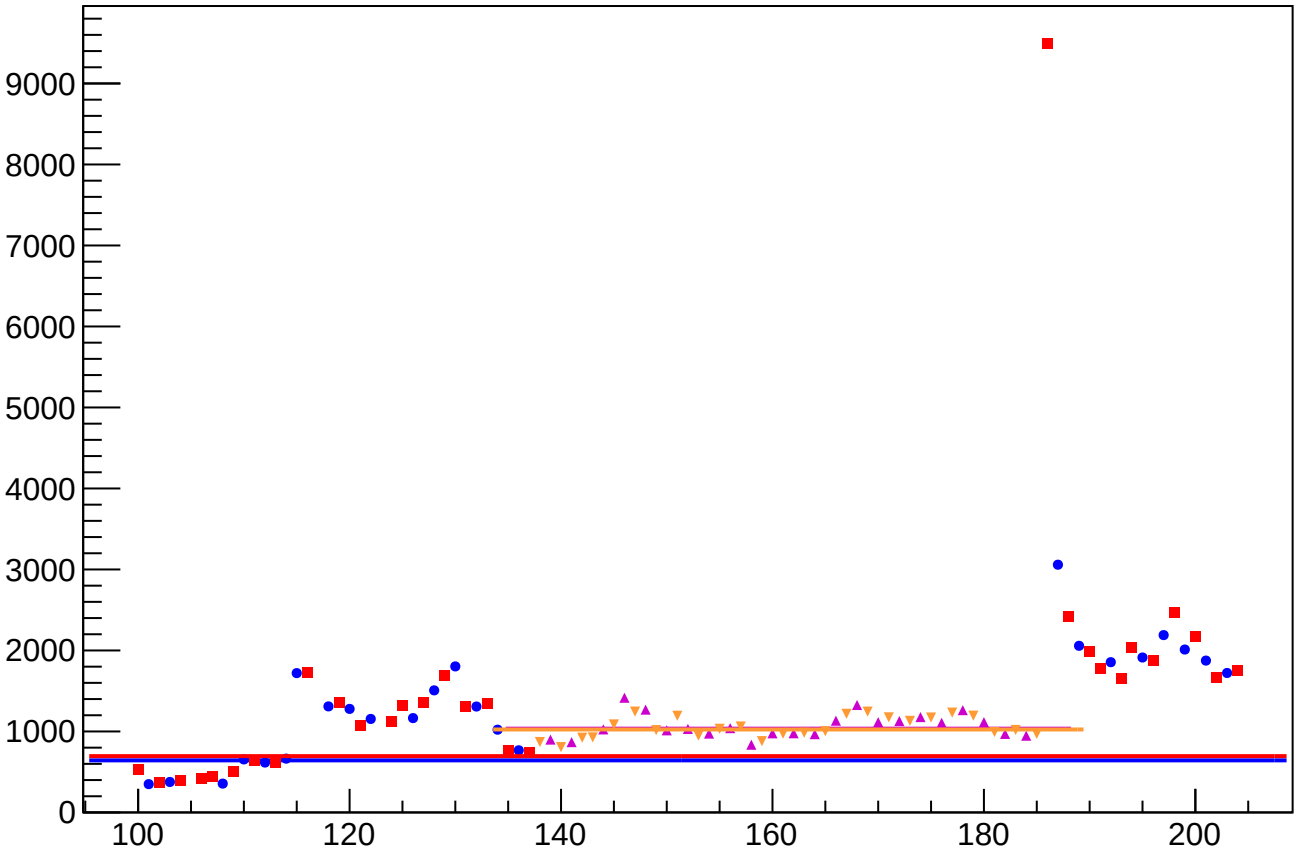
Left: 184.888+/-169.346 χ^2/NDF: 68.0/47

Right: 147.914+/-156.541 χ^2/NDF: 51.0/53

In: 165.783+/-164.085 χ^2/NDF:58.1/46

Out: 164.149+/-161.088 χ^2/NDF:61.0/54

All: 164.951+/-114.952 χ^2/NDF: 119.0/101



Right In: 643.216+/-0.157 χ^2/NDF: 9384472.6/23

Left Out: 1024.493+/-0.166 χ^2/NDF:597629.0/24

Right Out: 695.368+/-0.156 χ^2/NDF: 10761612.2/29

Left In: 1034.428+/-0.173 χ^2/NDF:628474.5/22

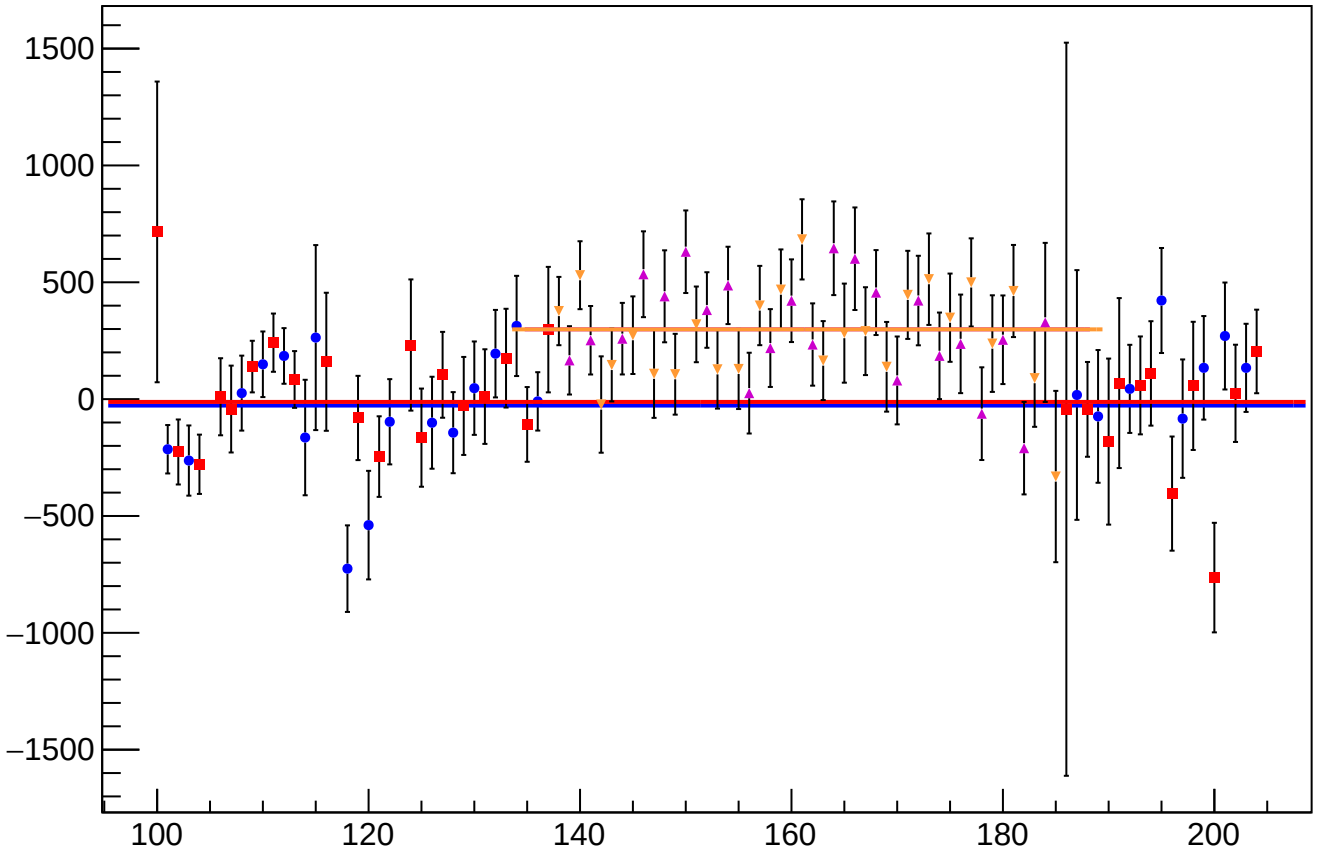
Left: 1029.273+/-0.120 χ^2/NDF: 1227821.8/47

Right: 669.340+/-0.111 χ^2/NDF: 20201578.9/53

In: 819.908+/-0.116 χ^2/NDF:12828565.2/46

Out: 849.909+/-0.114 χ^2/NDF:13438701.5/54

All: 835.185+/-0.081 χ^2/NDF: 26301312.9/10



Right In: -27.487+/-36.668 χ^2/NDF: 42.5/23

Left Out: 298.518+/-36.051 χ^2/NDF:26.0/24

Right Out: -11.909+/-34.396 χ^2/NDF: 36.4/29

Left In: 298.682+/-37.727 χ^2/NDF:29.4/22

Left: 298.597+/-26.064 χ^2/NDF: 55.4/47

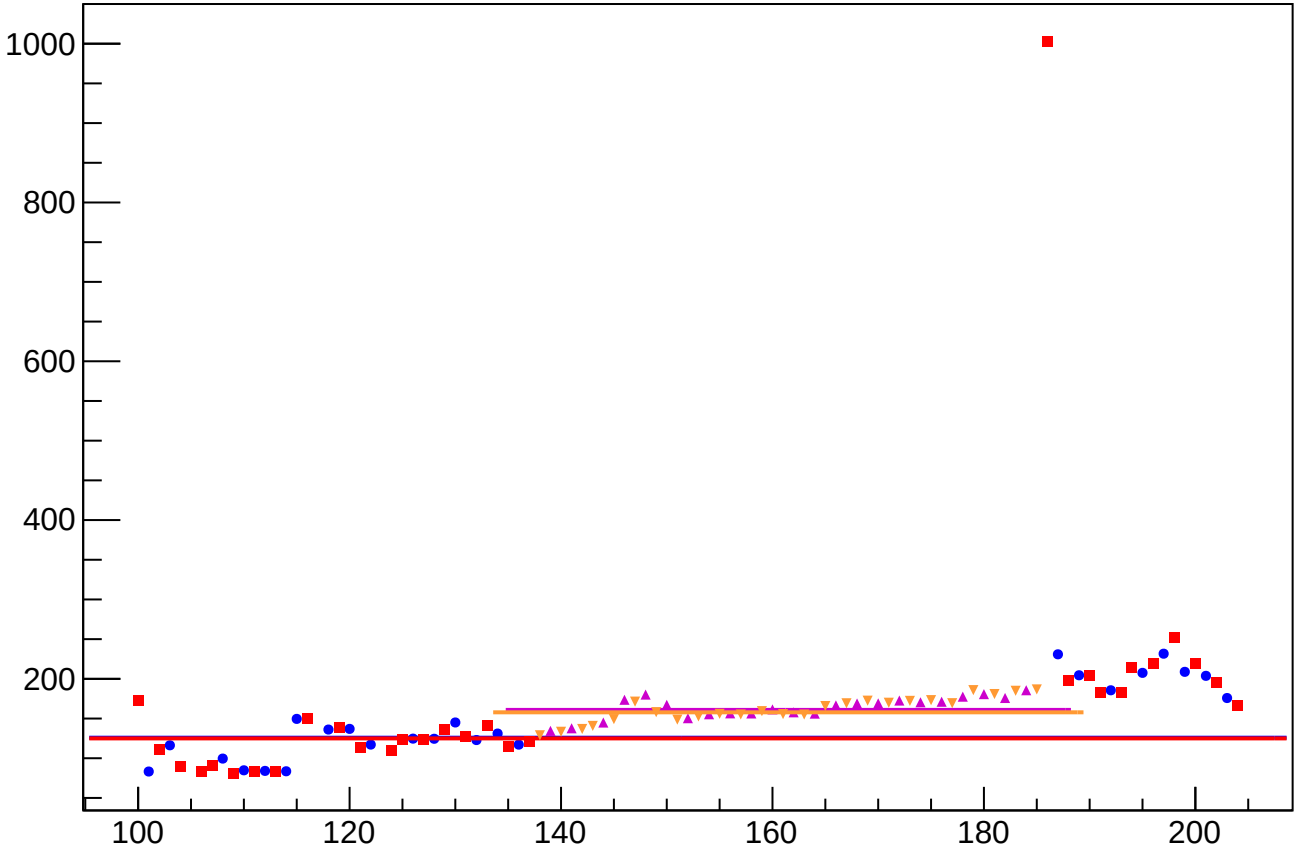
Right: -19.201+/-25.086 χ^2/NDF: 79.0/53

In: 130.958+/-26.295 χ^2/NDF:110.4/46

Out: 136.017+/-24.886 χ^2/NDF:101.2/54

All: 133.627+/-18.075 χ^2/NDF: 211.6/101

eigen_cor_asym_sam6_rms vs Slug, Sign Corrected



Right In: 125.867+/-0.026 χ^2/NDF: 2626453.5/23

Left Out: 157.836+/-0.025 χ^2/NDF:377205.2/24

Right Out: 124.987+/-0.024 χ^2/NDF: 4133312.5/29

Left In: 160.874+/-0.027 χ^2/NDF:268330.7/22

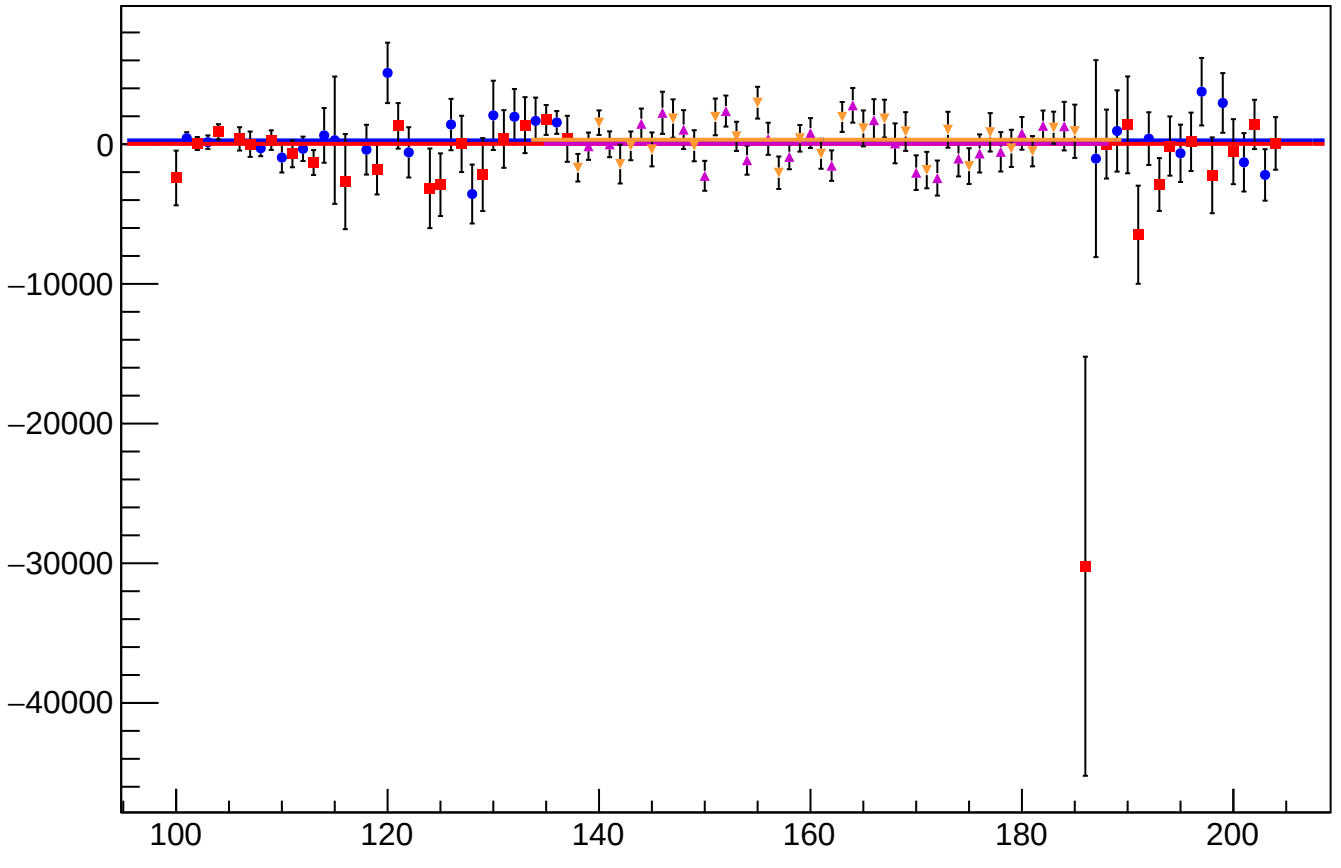
Left: 159.286+/-0.018 χ^2/NDF: 652314.6/47

Right: 125.398+/-0.018 χ^2/NDF: 6760378.7/53

In: 142.872+/-0.019 χ^2/NDF:3780328.9/46

Out: 140.640+/-0.018 χ^2/NDF:5379805.0/54

All: 141.695+/-0.013 χ^2/NDF: 9167736.7/101



Right In: 270.046+/-221.586 χ^2/NDF: 22.8/23

Left Out: 319.953+/-235.084 χ^2/NDF:32.5/24

Right Out: 26.231+/-221.178 χ^2/NDF: 27.6/29

Left In: 39.198+/-244.156 χ^2/NDF:34.8/22

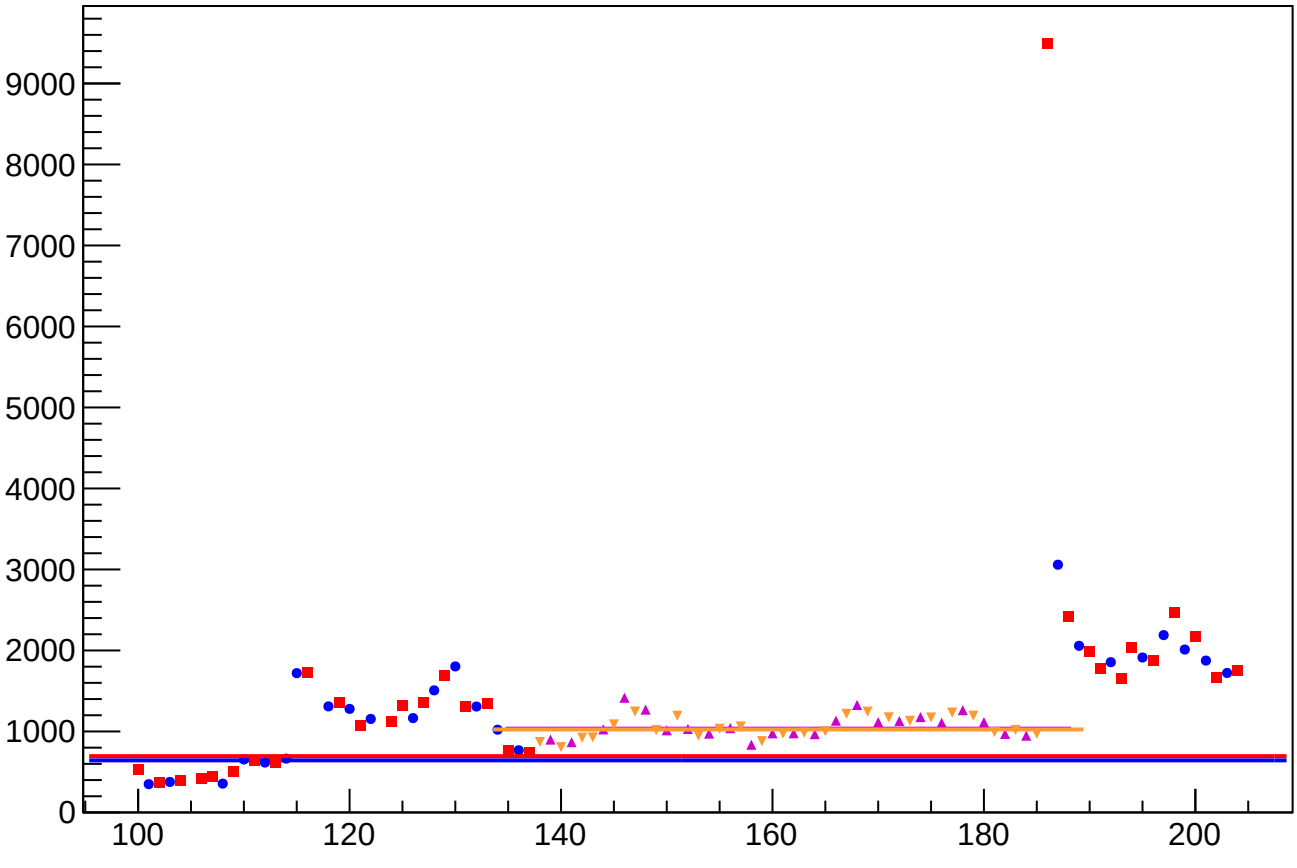
Left: 184.888+/-169.346 χ^2/NDF: 68.0/47

Right: 147.914+/-156.541 χ^2/NDF: 51.0/53

In: 165.783+/-164.085 χ^2/NDF:58.1/46

Out: 164.149+/-161.088 χ^2/NDF:61.0/54

All: 164.951+/-114.952 χ^2/NDF: 119.0/101



Right In: 643.216+/-0.157 χ^2/NDF: 9384472.6/23

Left Out: 1024.493+/-0.166 χ^2/NDF:597629.0/24

Right Out: 695.368+/-0.156 χ^2/NDF: 10761612.2/29

Left In: 1034.428+/-0.173 χ^2/NDF:628474.5/22

Left: 1029.273+/-0.120 χ^2/NDF: 1227821.8/47

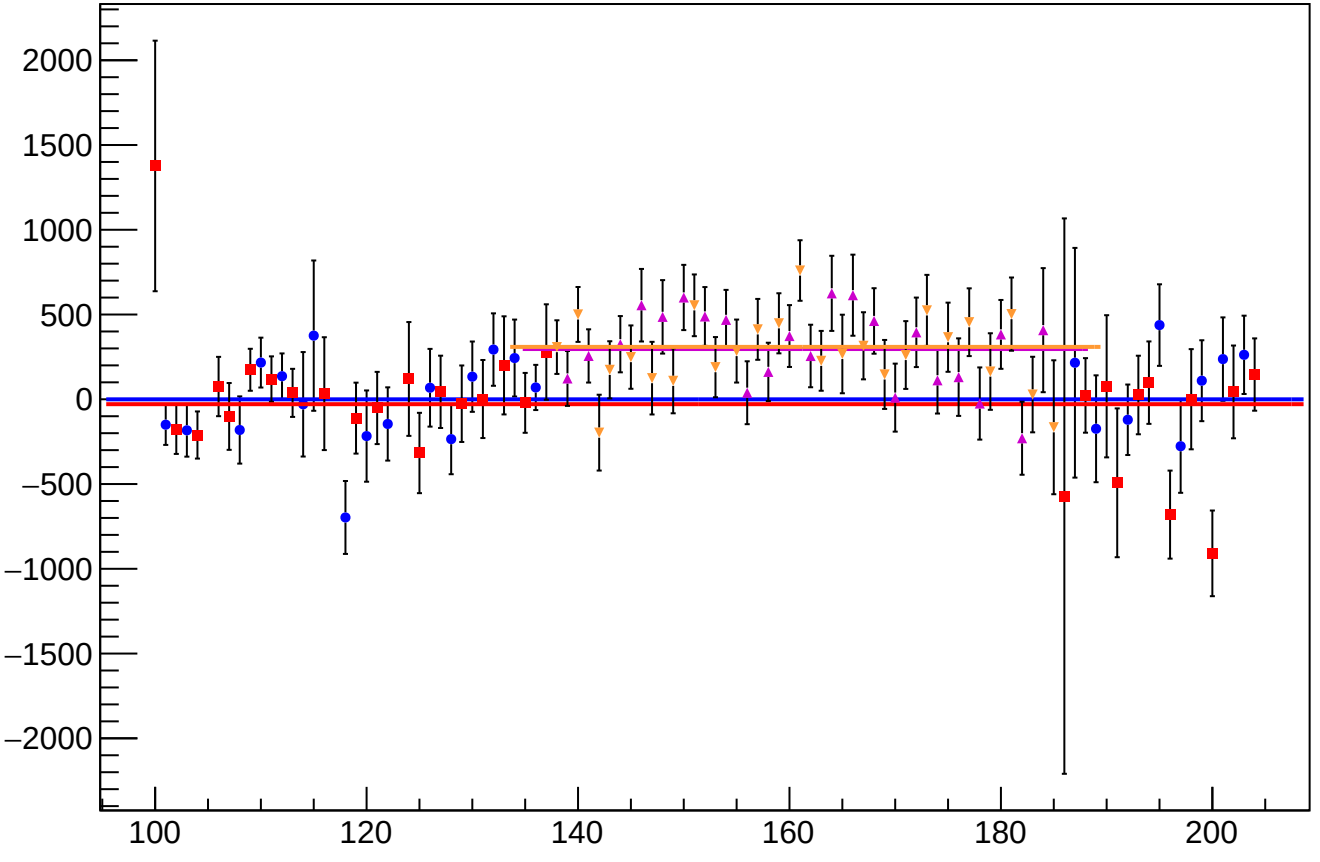
Right: 669.340+/-0.111 χ^2/NDF: 20201578.9/53

In: 819.908+/-0.116 χ^2/NDF:12828565.2/46

Out: 849.909+/-0.114 χ^2/NDF:13438701.5/54

All: 835.185+/-0.081 χ^2/NDF: 26301312.9/10

dit_asym_sam6_mean vs Slug, Sign Corrected



Right In: -0.305+/-41.059 χ^2/NDF: 31.9/23

Left Out: 309.031+/-38.901 χ^2/NDF:25.6/24

Right Out: -28.918+/-38.584 χ^2/NDF: 35.6/29

Left In: 296.497+/-40.607 χ^2/NDF:27.8/22

Left: 303.033+/-28.091 χ^2/NDF: 53.4/47

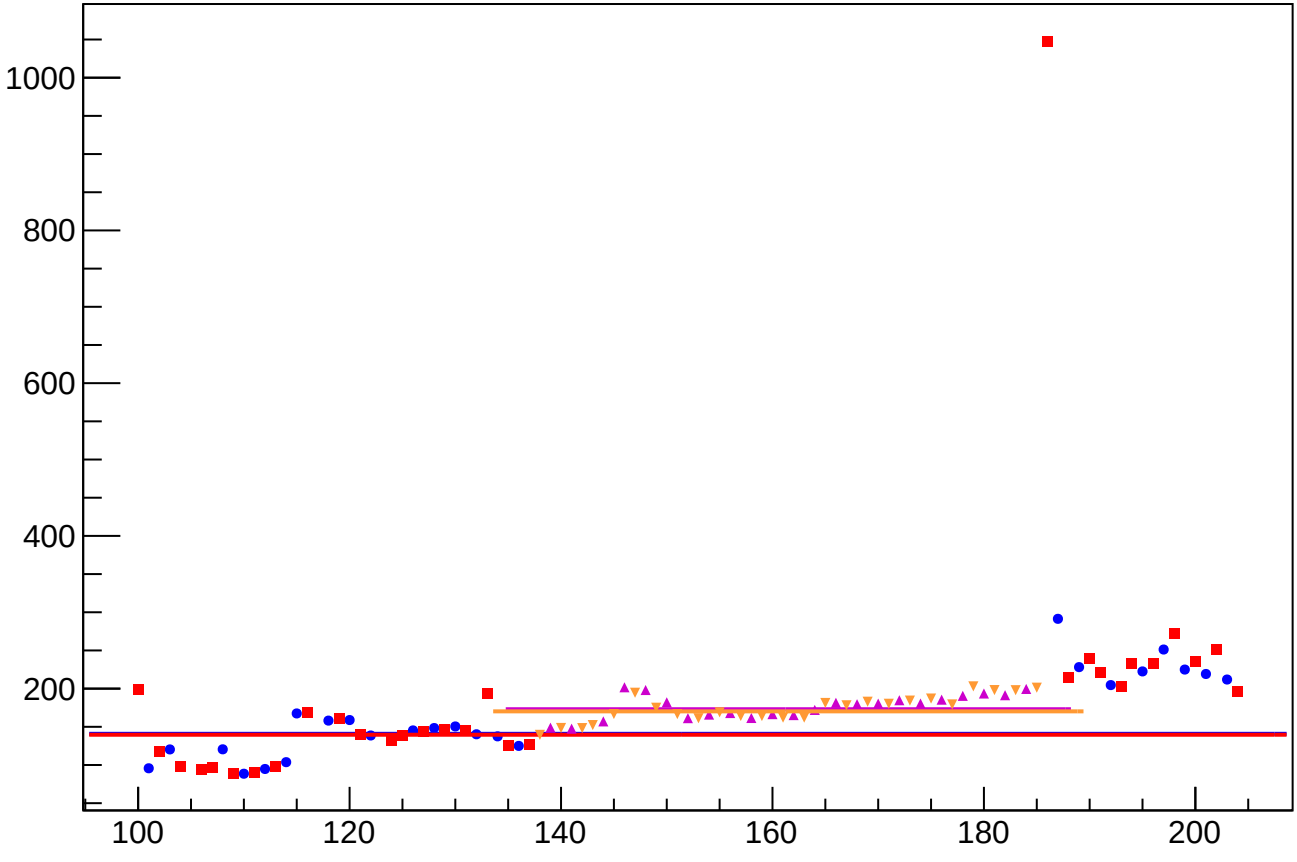
Right: -15.499+/-28.117 χ^2/NDF: 67.8/53

In: 149.739+/-28.872 χ^2/NDF:86.2/46

Out: 138.678+/-27.394 χ^2/NDF:99.2/54

All: 143.918+/-19.873 χ^2/NDF: 185.5/101

dit_asym_sam6_rms vs Slug, Sign Corrected



Right In: 140.818+/-0.029 χ^2/NDF: 2558596.2/23

Left Out: 170.240+/-0.028 χ^2/NDF:366302.5/24

Right Out: 139.628+/-0.027 χ^2/NDF: 4287059.5/29

Left In: 173.024+/-0.029 χ^2/NDF:293702.8/22

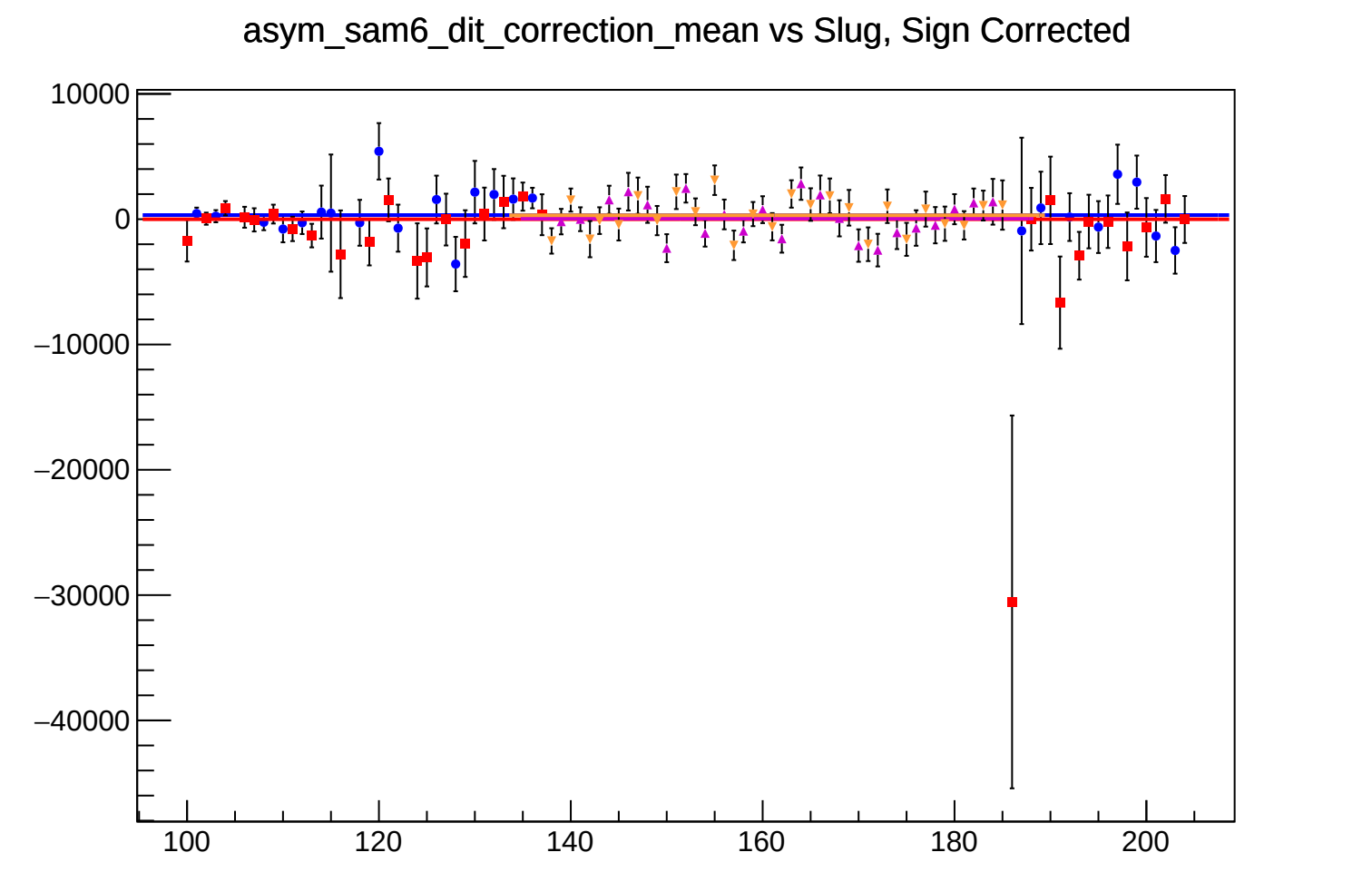
Left: 171.572+/-0.020 χ^2/NDF: 664905.1/47

Right: 140.186+/-0.020 χ^2/NDF: 6846547.7/53

In: 157.099+/-0.020 χ^2/NDF:3474377.9/46

Out: 154.809+/-0.019 χ^2/NDF:5277697.1/54

All: 155.894+/-0.014 χ^2/NDF: 8758695.1/101



Right In: 329.068+/-231.180 χ^2/NDF: 22.9/23

Left Out: 313.641+/-242.402 χ^2/NDF:32.9/24

Right Out: -3.551+/-228.122 χ^2/NDF: 26.8/29

Left In: 47.231+/-251.252 χ^2/NDF:34.4/22

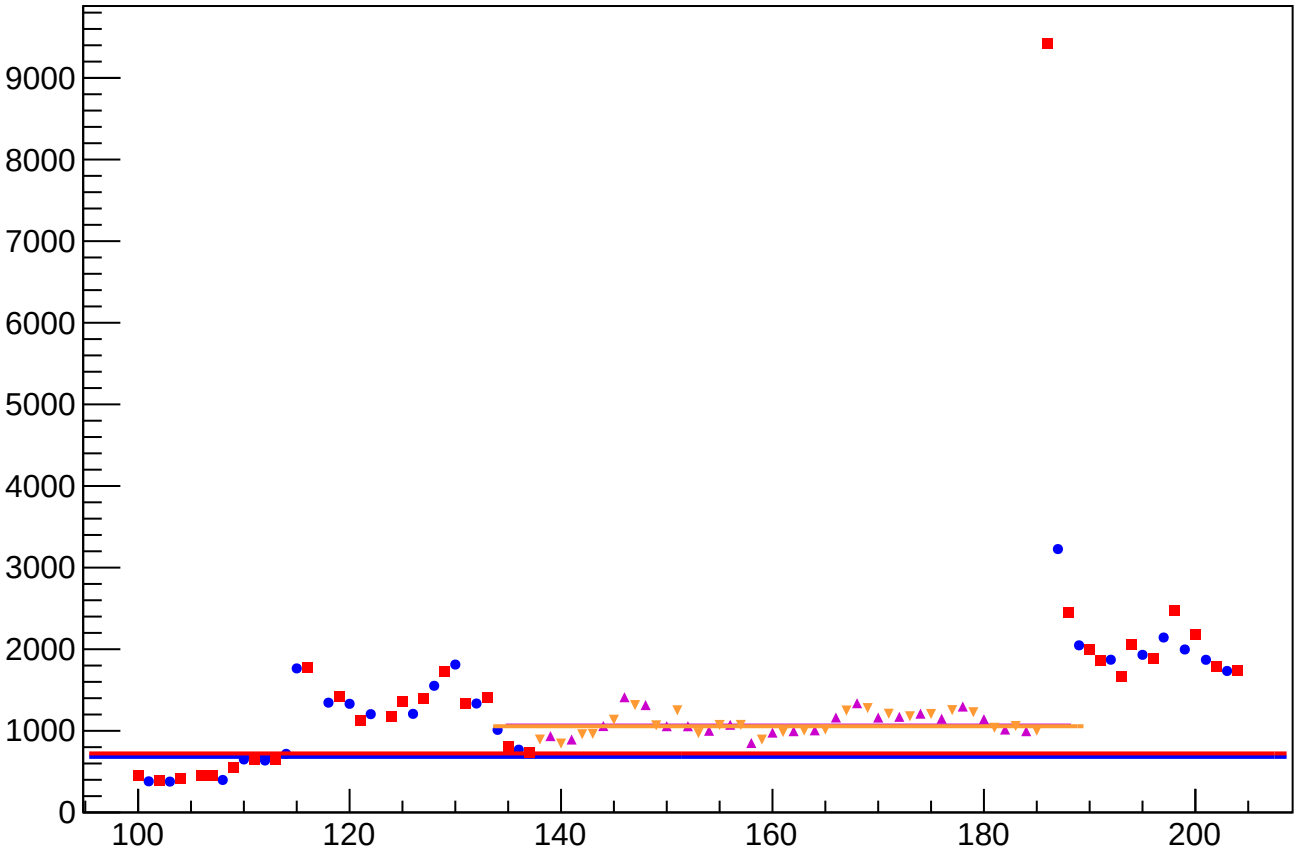
Left: 185.210+/-174.449 χ^2/NDF: 67.9/47

Right: 160.544+/-162.377 χ^2/NDF: 50.8/53

In: 199.855+/-170.123 χ^2/NDF:58.0/46

Out: 145.427+/-166.126 χ^2/NDF:60.6/54

All: 171.994+/-118.857 χ^2/NDF: 118.7/101



Right In: 681.164+/-0.163 χ^2/NDF: 8905040.8/23

Left Out: 1056.328+/-0.171 χ^2/NDF:610710.4/24

Right Out: 723.194+/-0.161 χ^2/NDF: 10585026.8/29

Left In: 1064.691+/-0.178 χ^2/NDF:611055.8/22

Left: 1060.360+/-0.123 χ^2/NDF: 1222913.7/47

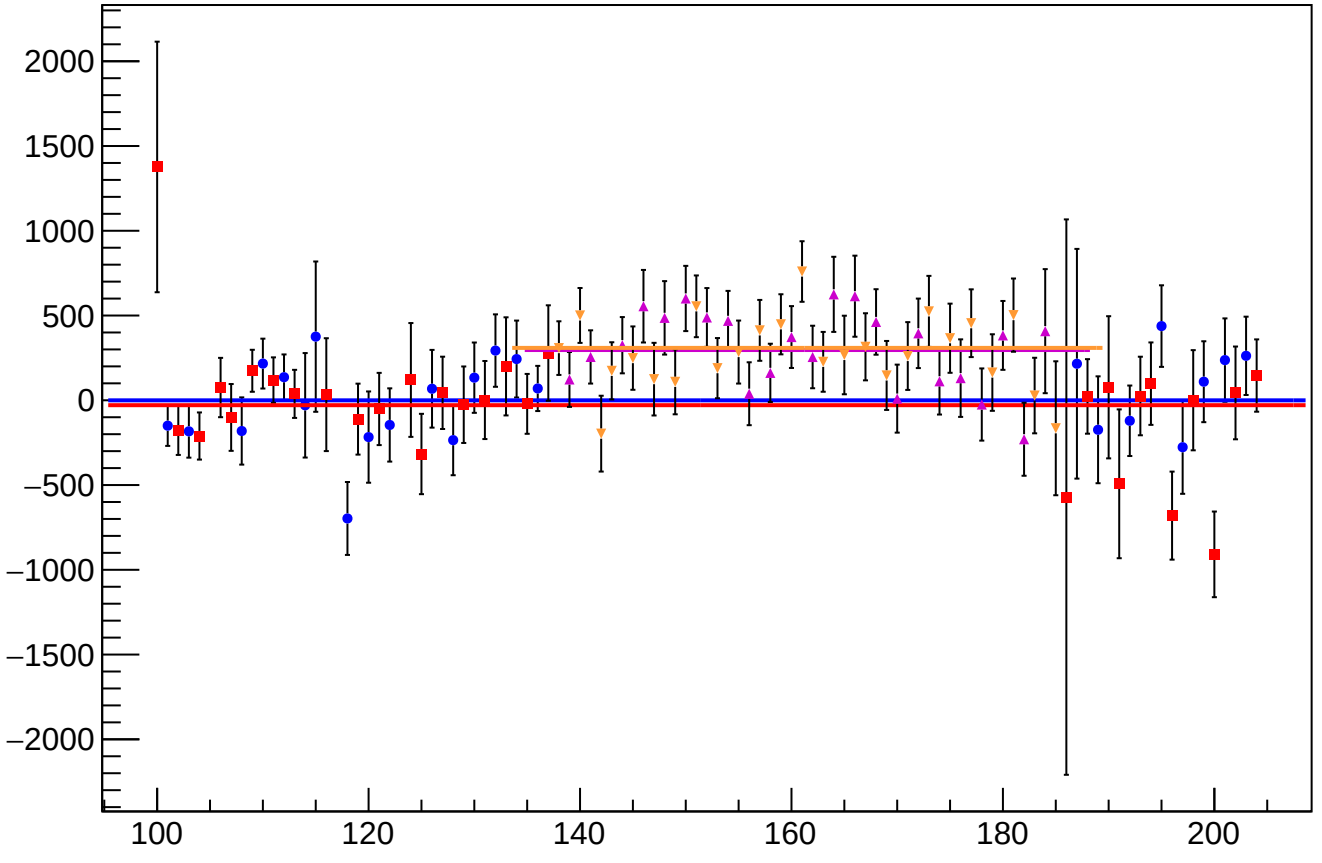
Right: 702.459+/-0.115 χ^2/NDF: 19523561.8/53

In: 856.999+/-0.120 χ^2/NDF:12039750.8/46

Out: 879.660+/-0.117 χ^2/NDF:13198986.3/54

All: 868.599+/-0.084 χ^2/NDF: 25256902.7/10

eigen_dit_asym_sam6_mean vs Slug, Sign Corrected



Right In: -0.307+/-41.059 χ^2/NDF: 31.9/23

Left Out: 309.032+/-38.901 χ^2/NDF:25.6/24

Right Out: -28.917+/-38.584 χ^2/NDF: 35.6/29

Left In: 296.497+/-40.607 χ^2/NDF:27.8/22

Left: 303.033+/-28.091 χ^2/NDF: 53.4/47

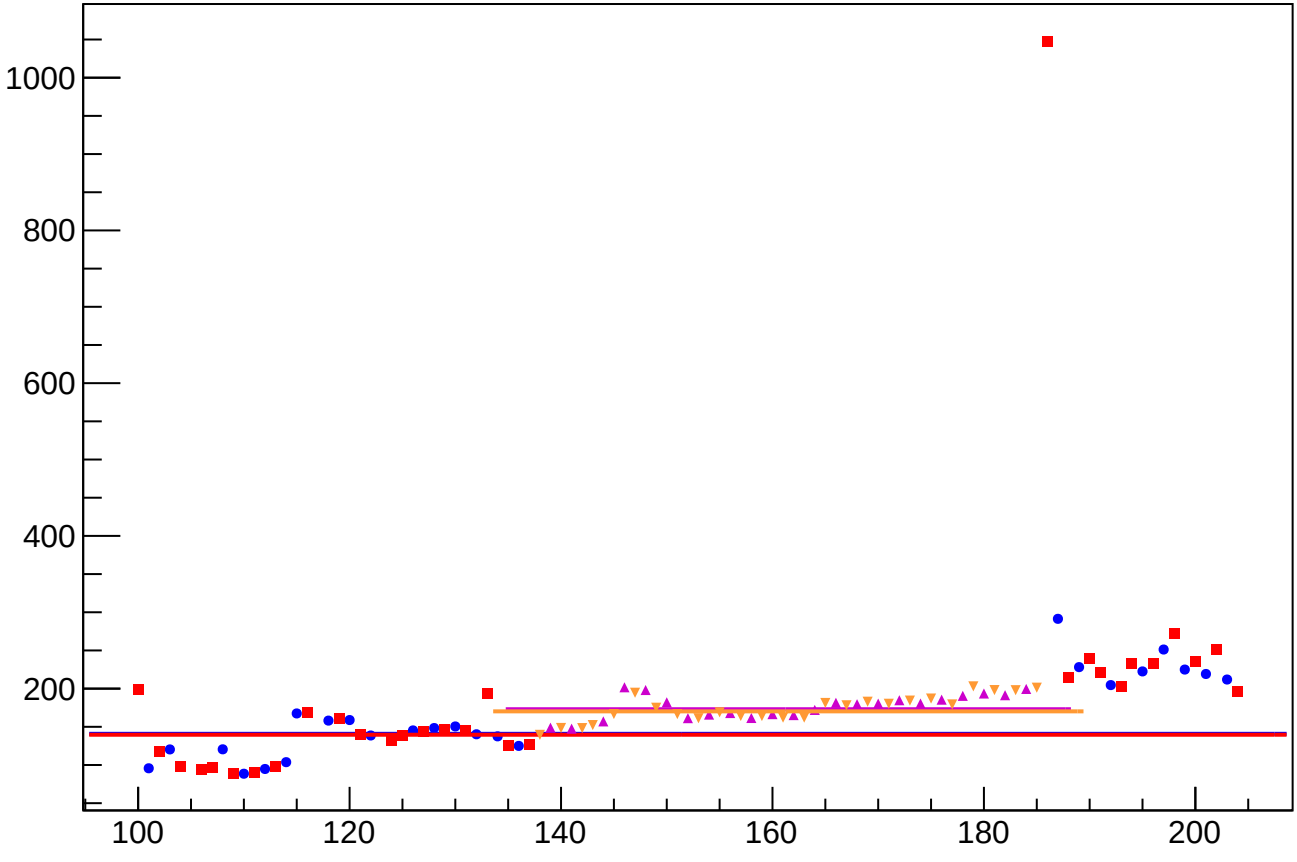
Right: -15.500+/-28.117 χ^2/NDF: 67.8/53

In: 149.738+/-28.872 χ^2/NDF:86.2/46

Out: 138.679+/-27.394 χ^2/NDF:99.2/54

All: 143.918+/-19.873 χ^2/NDF: 185.5/101

eigen_dit_asym_sam6_rms vs Slug, Sign Corrected



Right In: 140.817+/-0.029 χ^2/NDF: 2558612.7/23

Left Out: 170.240+/-0.028 χ^2/NDF:366303.1/24

Right Out: 139.627+/-0.027 χ^2/NDF: 4287065.1/29

Left In: 173.023+/-0.029 χ^2/NDF:293703.4/22

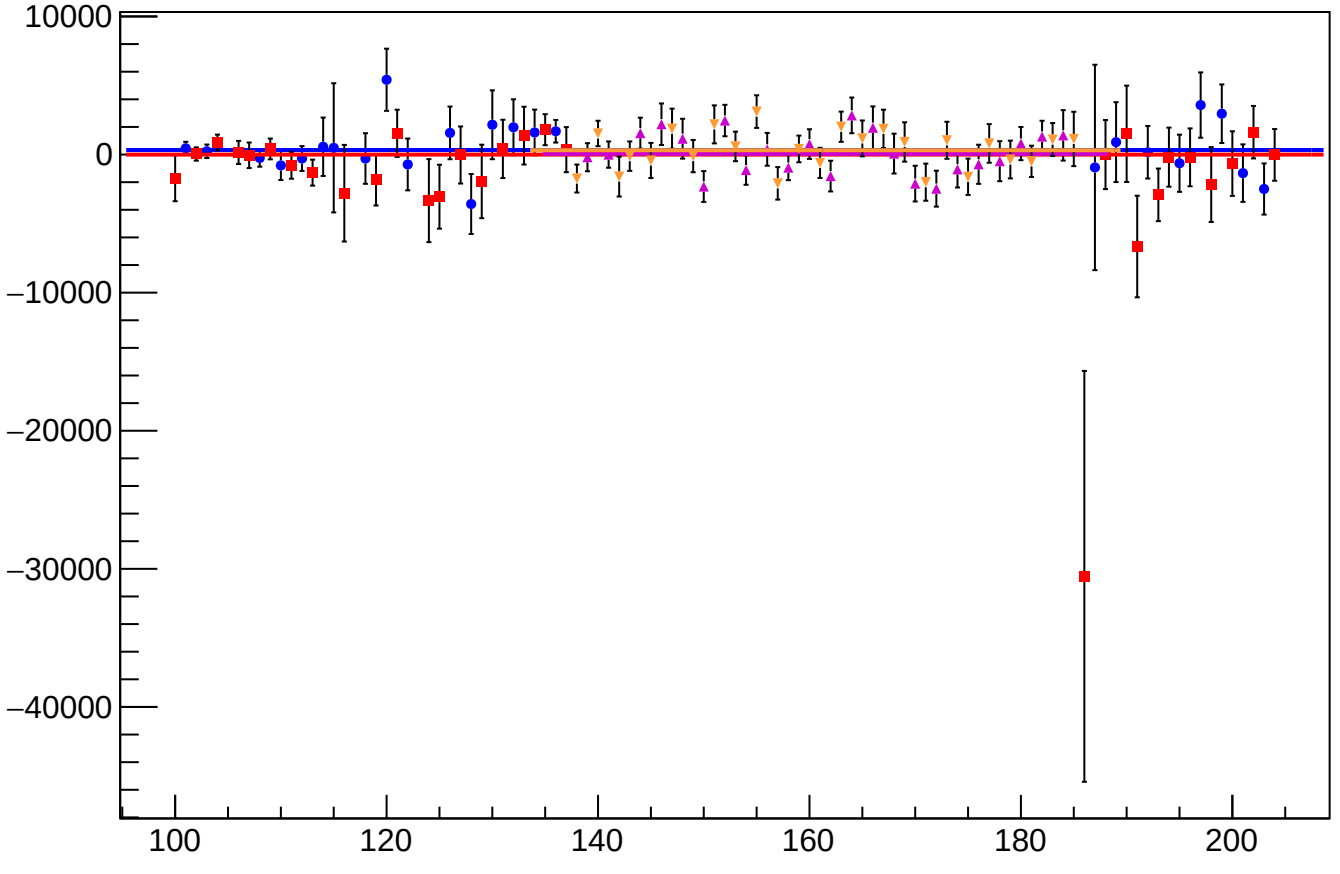
Left: 171.572+/-0.020 χ^2/NDF: 664906.3/47

Right: 140.185+/-0.020 χ^2/NDF: 6846569.8/53

In: 157.099+/-0.020 χ^2/NDF:3474400.1/46

Out: 154.809+/-0.019 χ^2/NDF:5277706.2/54

All: 155.894+/-0.014 χ^2/NDF: 8758726.4/101



Right In: 329.068+/-231.180 χ^2/NDF: 22.9/23

Left Out: 313.641+/-242.402 χ^2/NDF:32.9/24

Right Out: -3.550+/-228.122 χ^2/NDF: 26.8/29

Left In: 47.231+/-251.252 χ^2/NDF:34.4/22

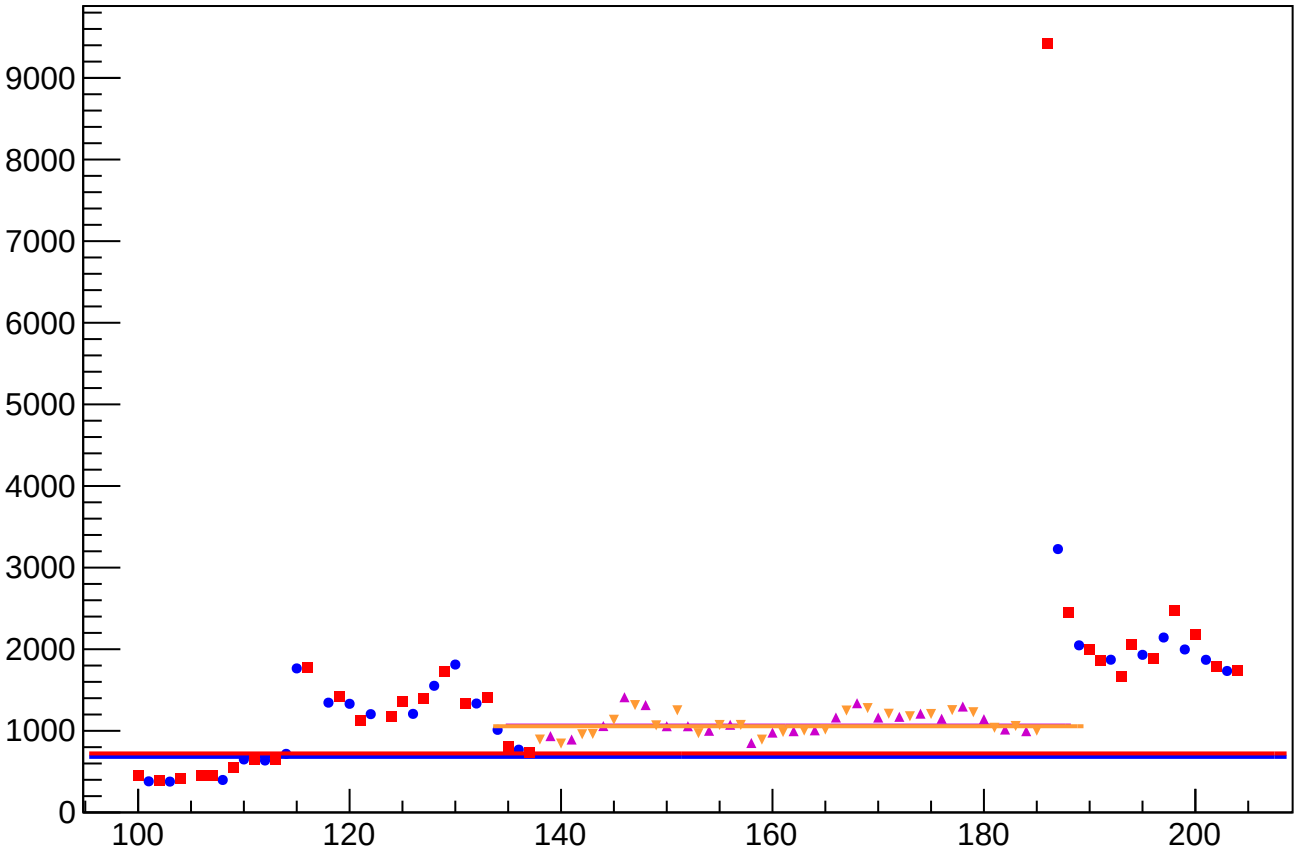
Left: 185.210+/-174.449 χ^2/NDF: 67.9/47

Right: 160.544+/-162.377 χ^2/NDF: 50.8/53

In: 199.855+/-170.123 χ^2/NDF:58.0/46

Out: 145.428+/-166.126 χ^2/NDF:60.6/54

All: 171.994+/-118.857 χ^2/NDF: 118.7/101



Right In: 681.163+/-0.163 χ^2/NDF: 8905049.6/23

Left Out: 1056.328+/-0.171 χ^2/NDF:610715.5/24

Right Out: 723.193+/-0.161 χ^2/NDF: 10585030.8/29

Left In: 1064.691+/-0.178 χ^2/NDF:611059.3/22

Left: 1060.360+/-0.123 χ^2/NDF: 1222922.4/47

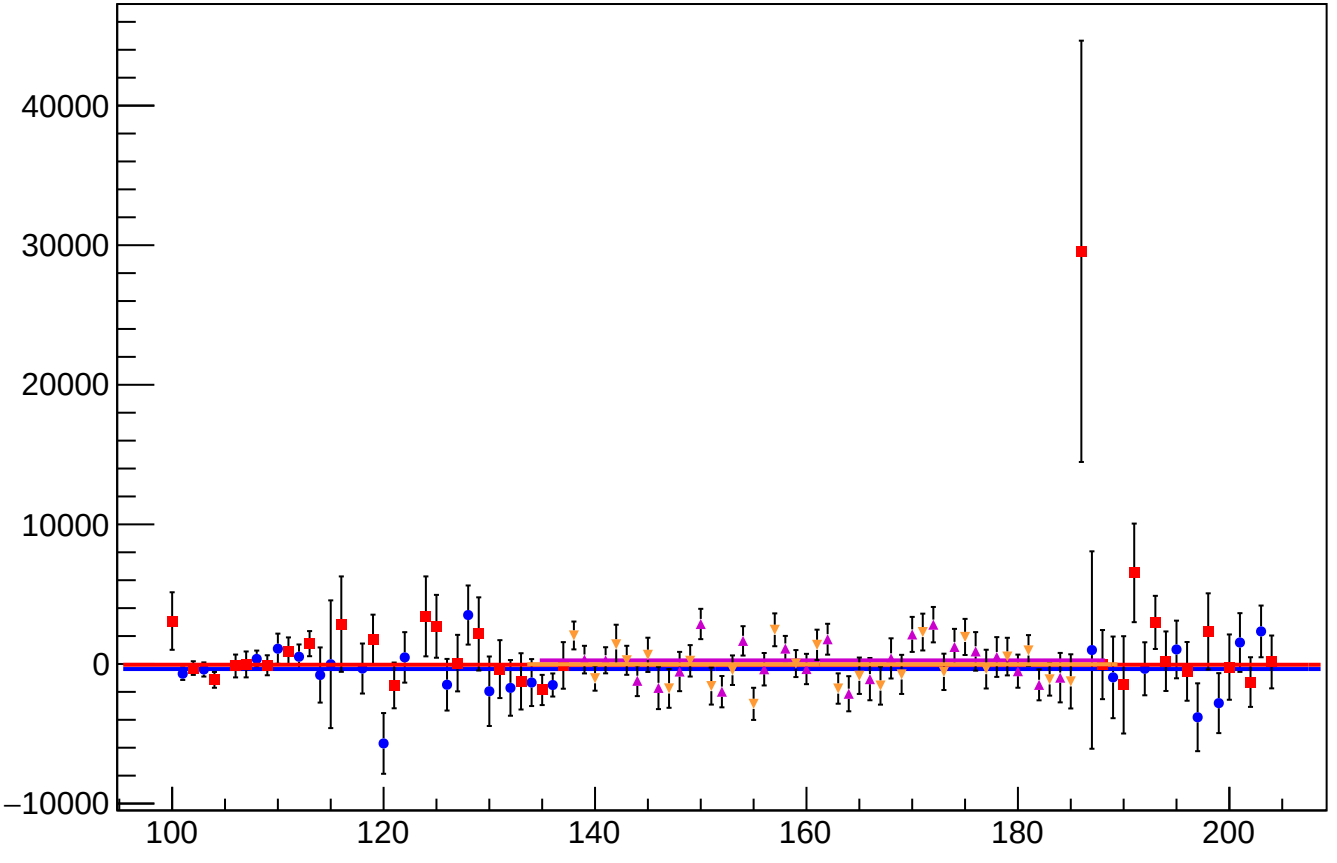
Right: 702.458+/-0.115 χ^2/NDF: 19523575.2/53

In: 856.998+/-0.120 χ^2/NDF:12039777.1/46

Out: 879.659+/-0.117 χ^2/NDF:13199006.4/54

All: 868.598+/-0.084 χ^2/NDF: 25256949.5/10

asym_sam6_mean vs Slug, Sign Corrected



Right In: -364.345+/-227.760 χ^2/NDF: 24.7/23

Left Out: -21.861+/-237.972 χ^2/NDF:34.5/24

Right Out: -55.896+/-225.978 χ^2/NDF: 30.9/29

Left In: 255.399+/-247.203 χ^2/NDF:33.6/22

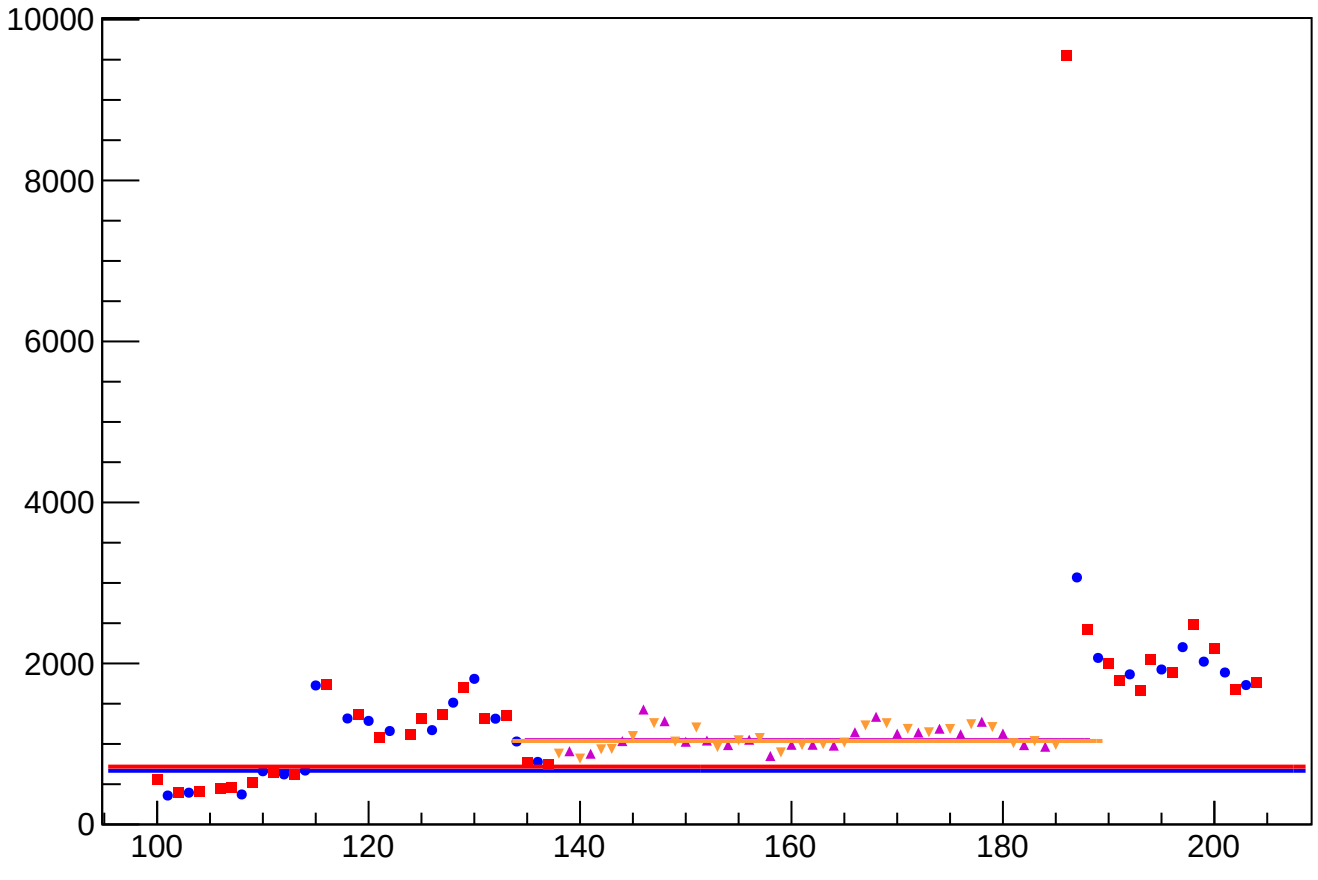
Left: 111.496+/-171.442 χ^2/NDF: 68.7/47

Right: -208.909+/-160.417 χ^2/NDF: 56.5/53

In: -79.799+/-167.503 χ^2/NDF:61.7/46

Out: -39.758+/-163.867 χ^2/NDF:65.4/54

All: -59.339+/-117.136 χ^2/NDF: 127.1/101



Right In: 666.954+/-0.161 χ^2/NDF: 9082126.0/23

Left Out: 1037.324+/-0.168 χ^2/NDF:585511.9/24

Right Out: 718.549+/-0.160 χ^2/NDF: 10430926.1/29

Left In: 1047.629+/-0.175 χ^2/NDF:613357.0/22

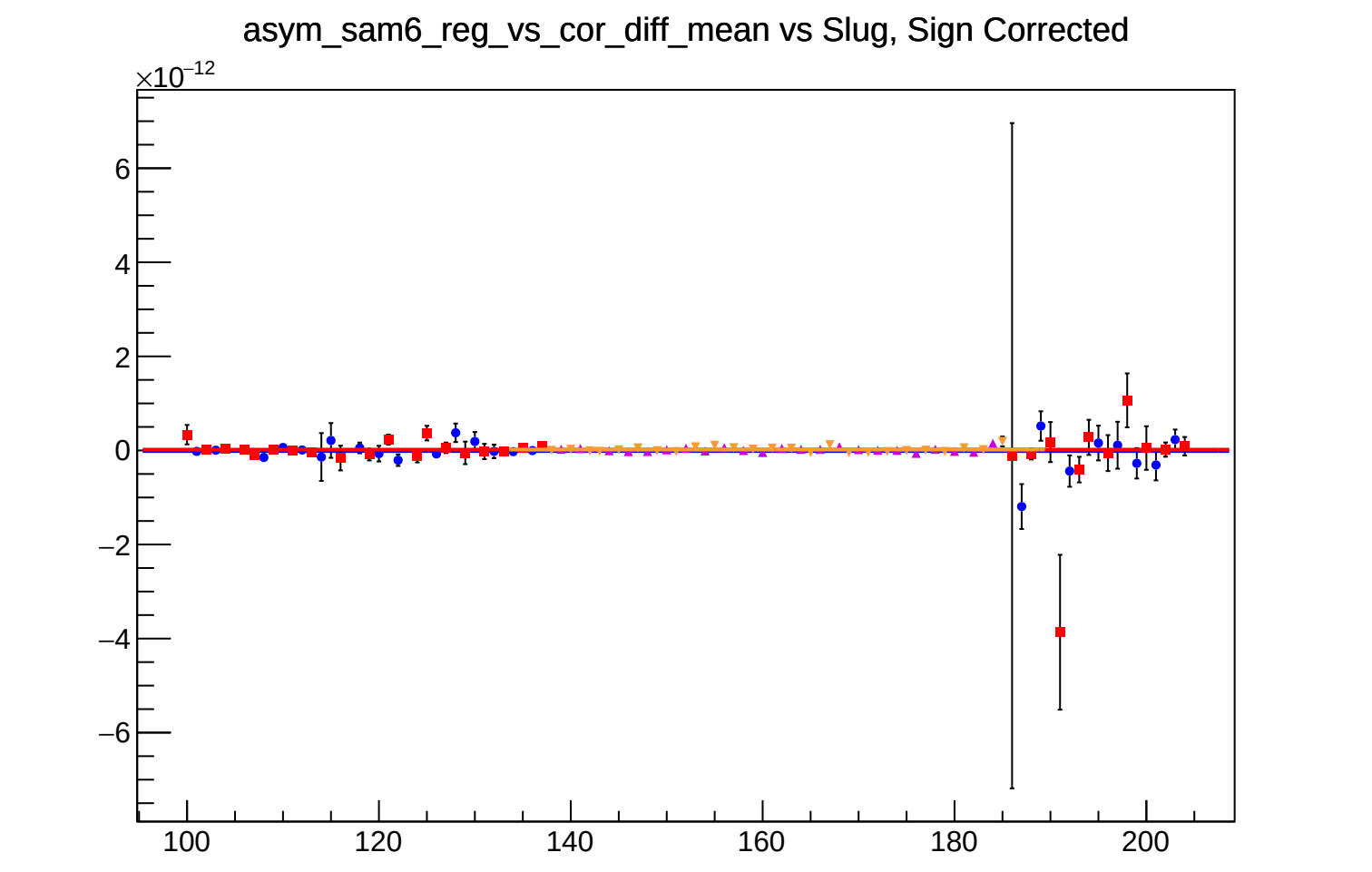
Left: 1042.281+/-0.121 χ^2/NDF: 1200672.6/47

Right: 692.954+/-0.113 χ^2/NDF: 19564772.1/53

In: 841.735+/-0.118 χ^2/NDF:12260689.1/46

Out: 869.701+/-0.116 χ^2/NDF:12903547.5/54

All: 856.025+/-0.083 χ^2/NDF: 25192723.9/10



Right In: -0.000+/-0.000 χ^2/NDF: 29.6/23

Left Out: 0.000+/-0.000 χ^2/NDF:30.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 32.7/29

Left In: 0.000+/-0.000 χ^2/NDF:18.6/22

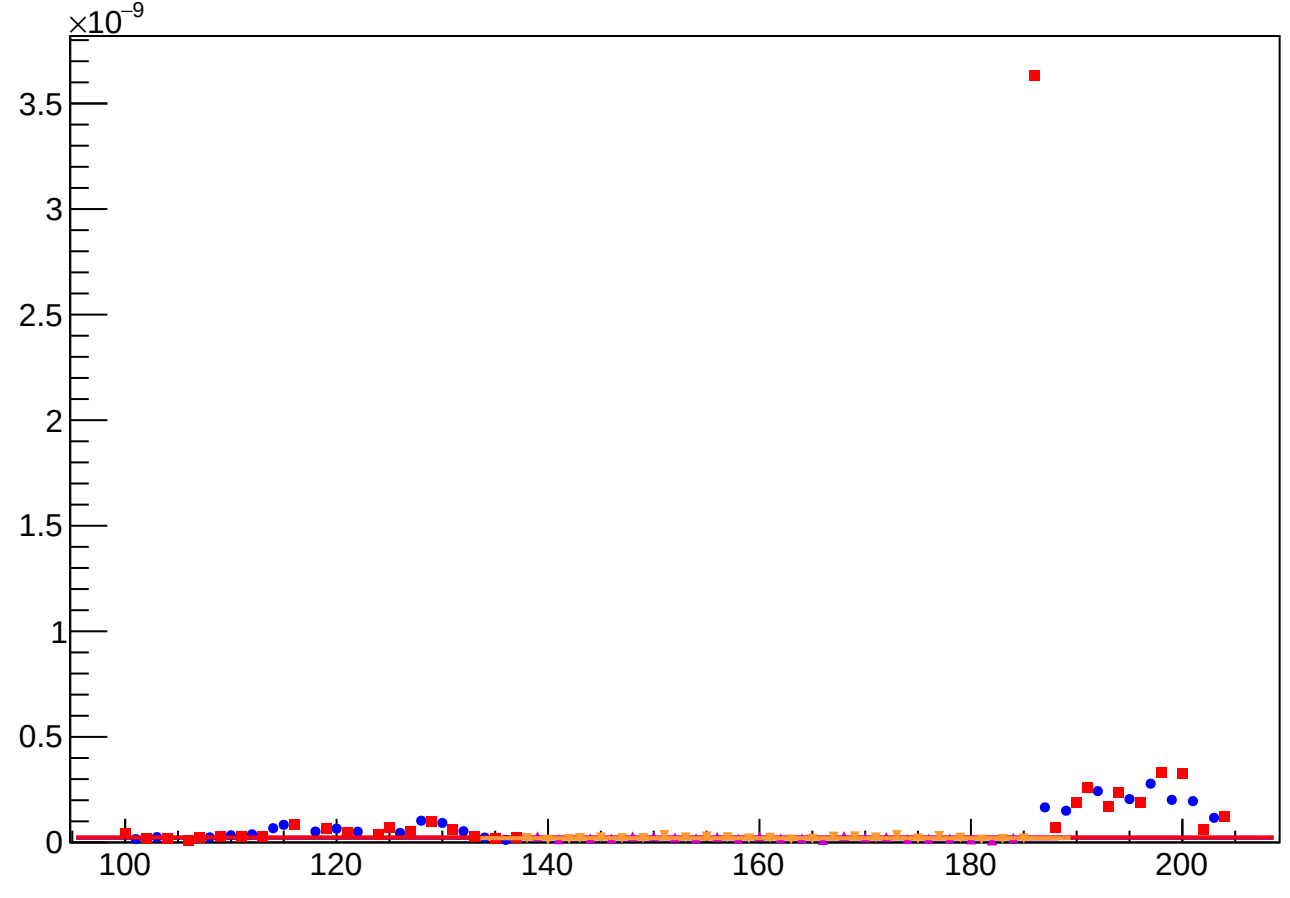
Left: 0.000+/-0.000 χ^2/NDF: 50.1/47

Right: 0.000+/-0.000 χ^2/NDF: 65.1/53

In: 0.000+/-0.000 χ^2/NDF:49.9/46

Out: 0.000+/-0.000 χ^2/NDF:62.7/54

All: 0.000+/-0.000 χ^2/NDF: 116.3/101



Right In: 0.000+/-0.000 χ^2/NDF: 6032455.1/23

Left Out: 0.000+/-0.000 χ^2/NDF:993542.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6780419.9/29

Left In: 0.000+/-0.000 χ^2/NDF:1048721.4/22

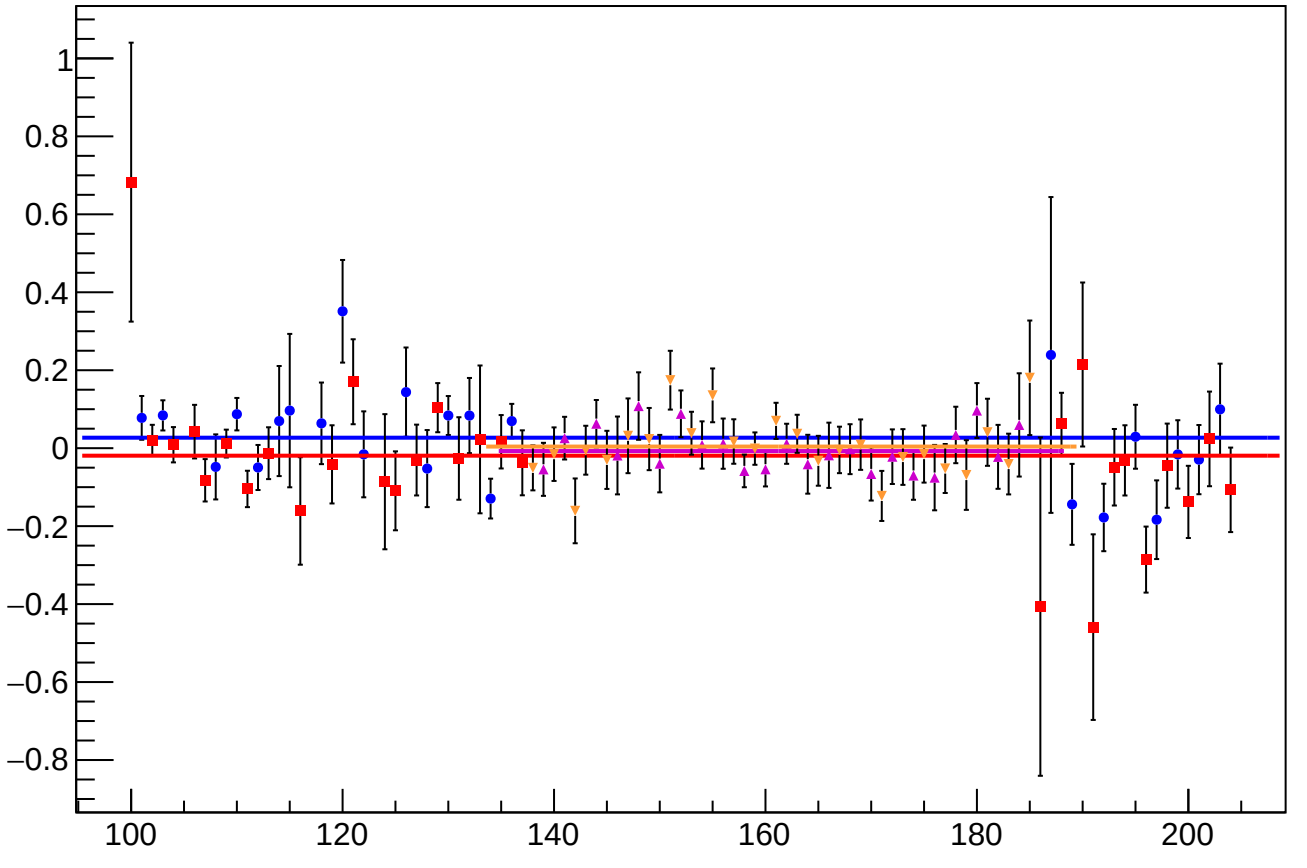
Left: 0.000+/-0.000 χ^2/NDF: 2058189.4/47

Right: 0.000+/-0.000 χ^2/NDF: 12826808.0/53

In: 0.000+/-0.000 χ^2/NDF:7161336.1/46

Out: 0.000+/-0.000 χ^2/NDF:7879914.9/54

All: 0.000+/-0.000 χ^2/NDF: 15065292.9/101



Right In: 0.027+/-0.015 χ^2/NDF: 41.8/23

Left Out: 0.004+/-0.013 χ^2/NDF:24.8/24

Right Out: -0.019+/-0.014 χ^2/NDF: 39.8/29

Left In: -0.007+/-0.014 χ^2/NDF:15.1/22

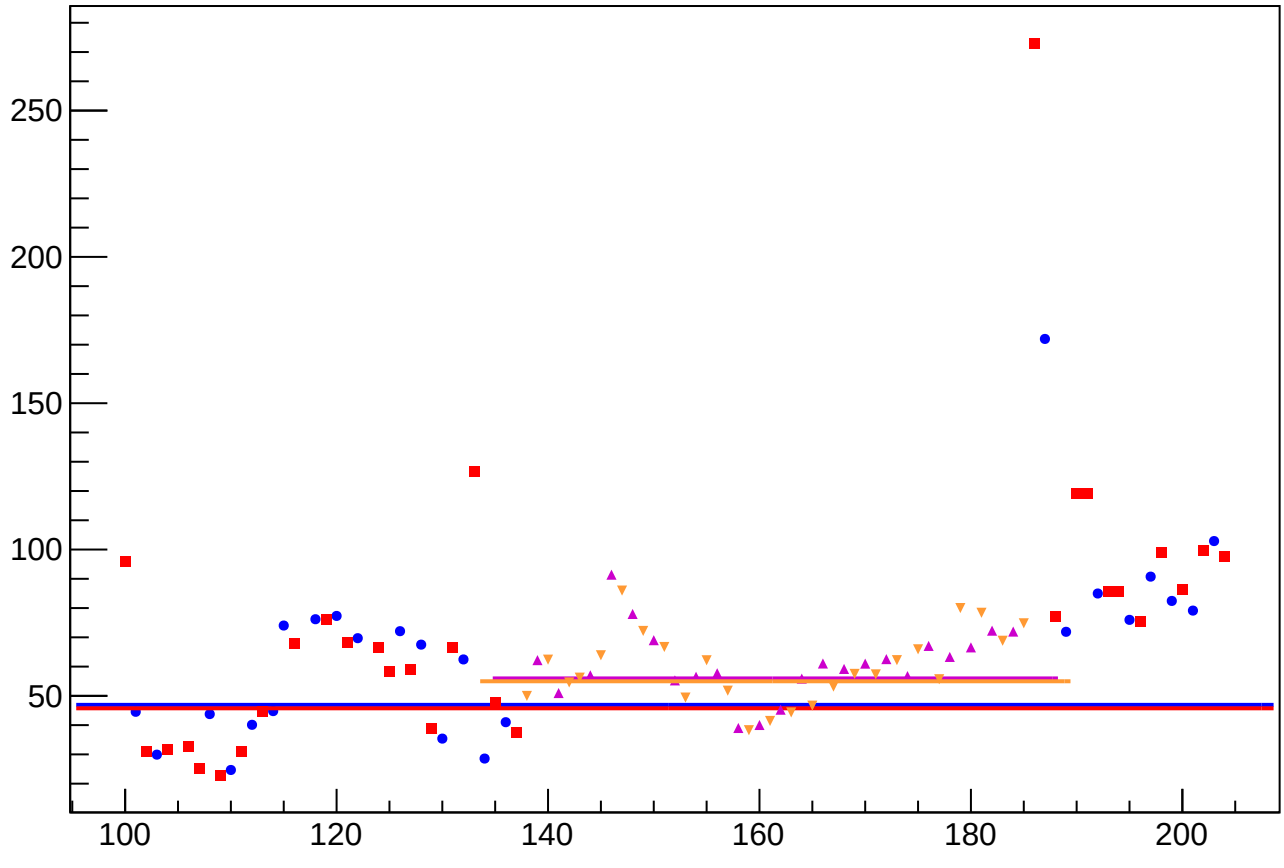
Left: -0.001+/-0.009 χ^2/NDF: 40.2/47

Right: 0.002+/-0.010 χ^2/NDF: 86.9/53

In: 0.008+/-0.010 χ^2/NDF:59.8/46

Out: -0.007+/-0.009 χ^2/NDF:66.2/54

All: 0.000+/-0.007 χ^2/NDF: 127.3/101



Right In: 46.924+/-0.010 χ^2/NDF: 4384174.2/23

Left Out: 54.986+/-0.009 χ^2/NDF:1566844.0/24

Right Out: 45.747+/-0.010 χ^2/NDF: 6791748.4/29

Left In: 55.956+/-0.010 χ^2/NDF:1406142.1/22

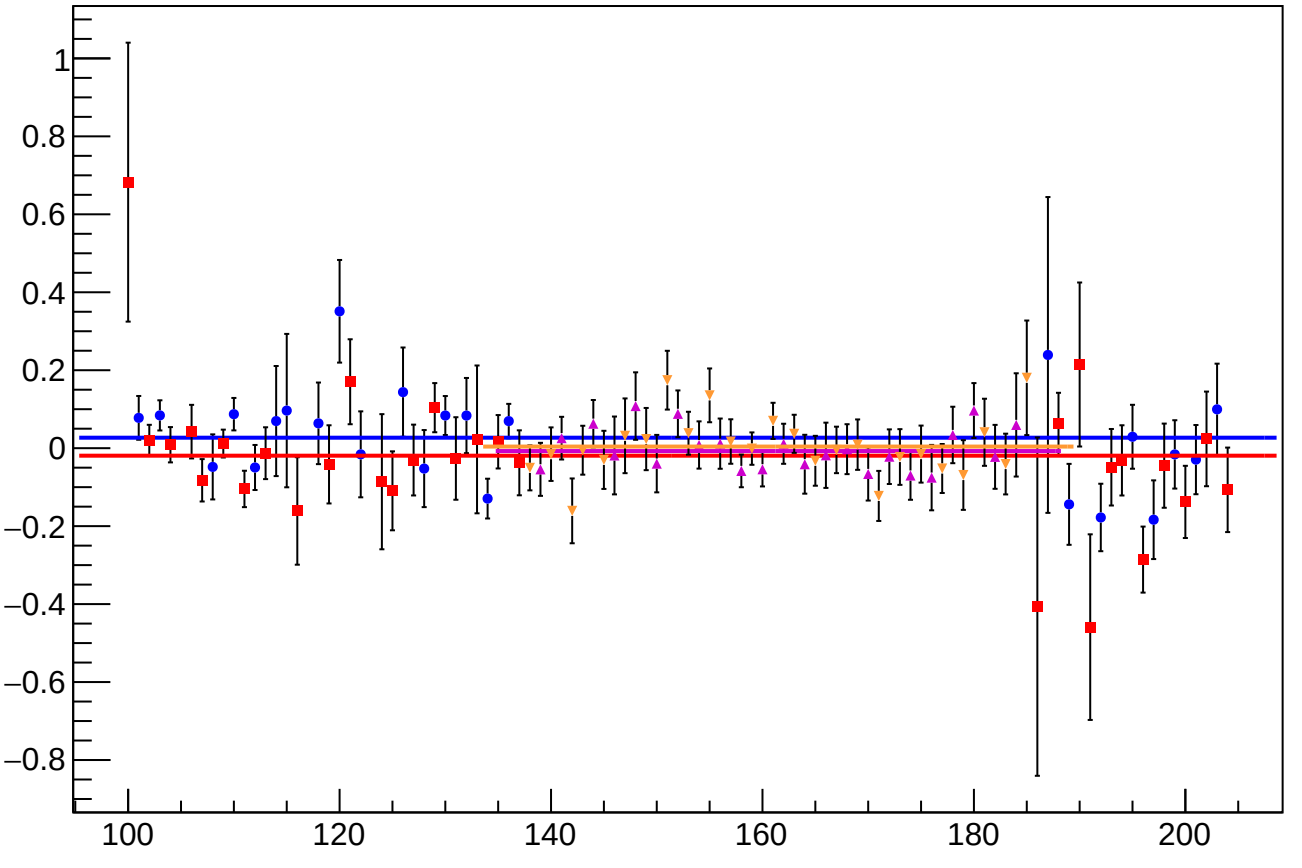
Left: 55.451+/-0.007 χ^2/NDF: 2978352.9/47

Right: 46.300+/-0.007 χ^2/NDF: 11182838.5/53

In: 51.781+/-0.007 χ^2/NDF:6203047.3/46

Out: 50.635+/-0.007 χ^2/NDF:8837730.2/54

All: 51.179+/-0.005 χ^2/NDF: 15054809.2/101



Right In: 0.027+/-0.015 χ^2/NDF: 41.8/23

Left Out: 0.004+/-0.013 χ^2/NDF:24.8/24

Right Out: -0.019+/-0.014 χ^2/NDF: 39.8/29

Left In: -0.007+/-0.014 χ^2/NDF:15.1/22

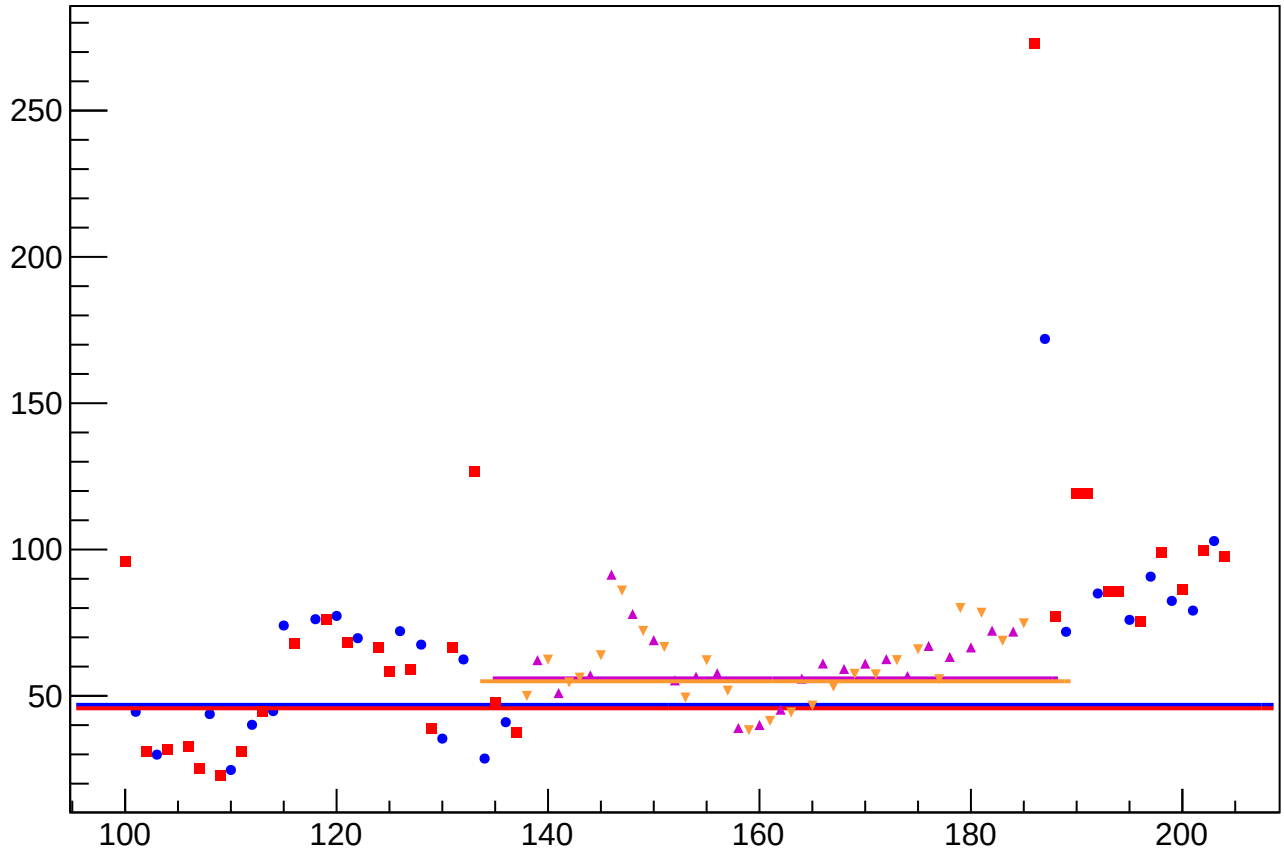
Left: -0.001+/-0.009 χ^2/NDF: 40.2/47

Right: 0.002+/-0.010 χ^2/NDF: 86.9/53

In: 0.008+/-0.010 χ^2/NDF:59.8/46

Out: -0.007+/-0.009 χ^2/NDF:66.2/54

All: 0.000+/-0.007 χ^2/NDF: 127.3/101



Right In: 46.924+/-0.010 χ^2/NDF: 4384174.2/23

Left Out: 54.986+/-0.009 χ^2/NDF:1566844.0/24

Right Out: 45.747+/-0.010 χ^2/NDF: 6791748.4/29

Left In: 55.956+/-0.010 χ^2/NDF:1406142.1/22

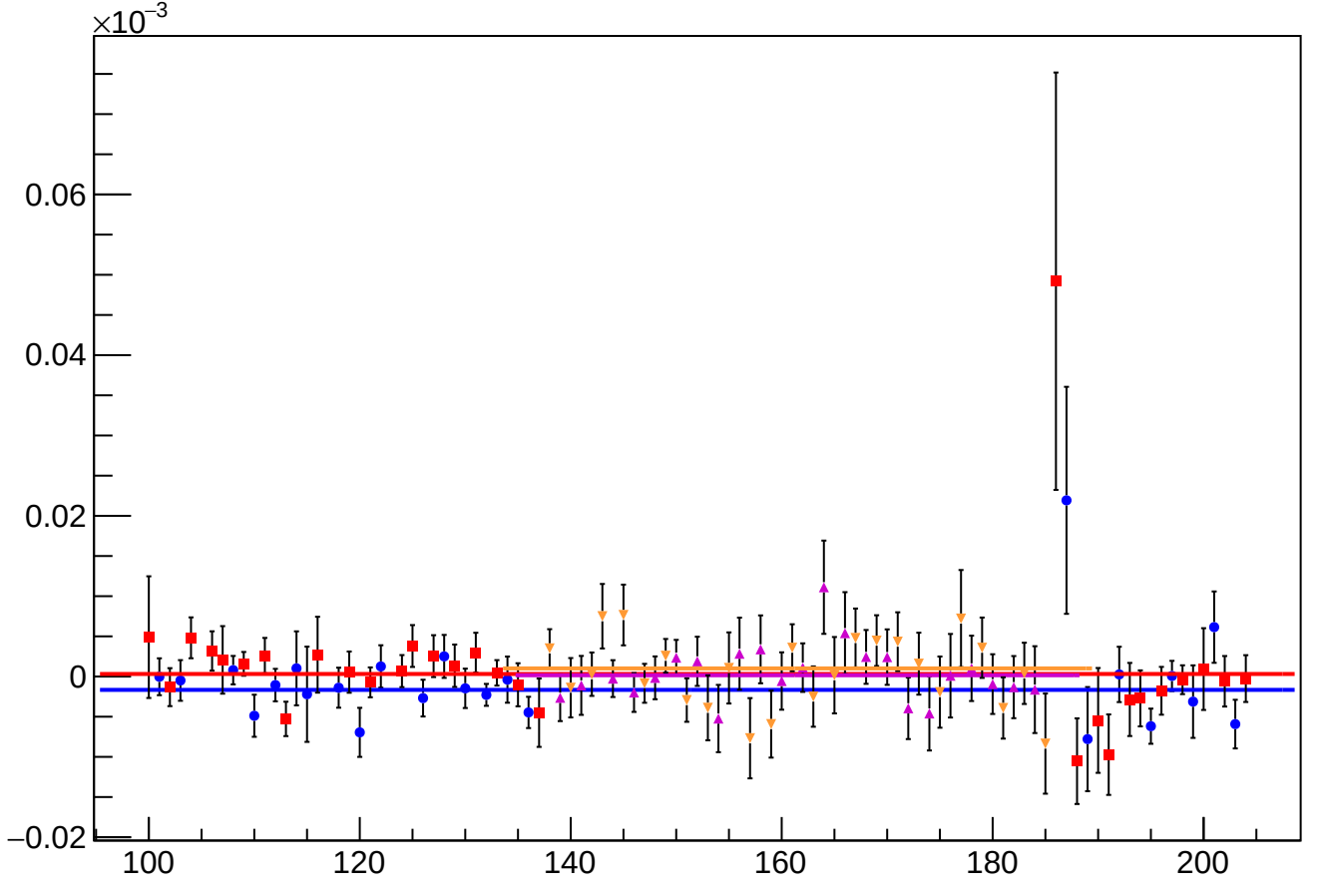
Left: 55.451+/-0.007 χ^2/NDF: 2978352.9/47

Right: 46.300+/-0.007 χ^2/NDF: 11182838.5/53

In: 51.781+/-0.007 χ^2/NDF:6203047.3/46

Out: 50.635+/-0.007 χ^2/NDF:8837730.2/54

All: 51.179+/-0.005 χ^2/NDF: 15054809.2/101



Right In: -0.000+/-0.000 χ^2/NDF: 28.2/23

Left Out: 0.000+/-0.000 χ^2/NDF:28.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 34.7/29

Left In: 0.000+/-0.000 χ^2/NDF:14.0/22

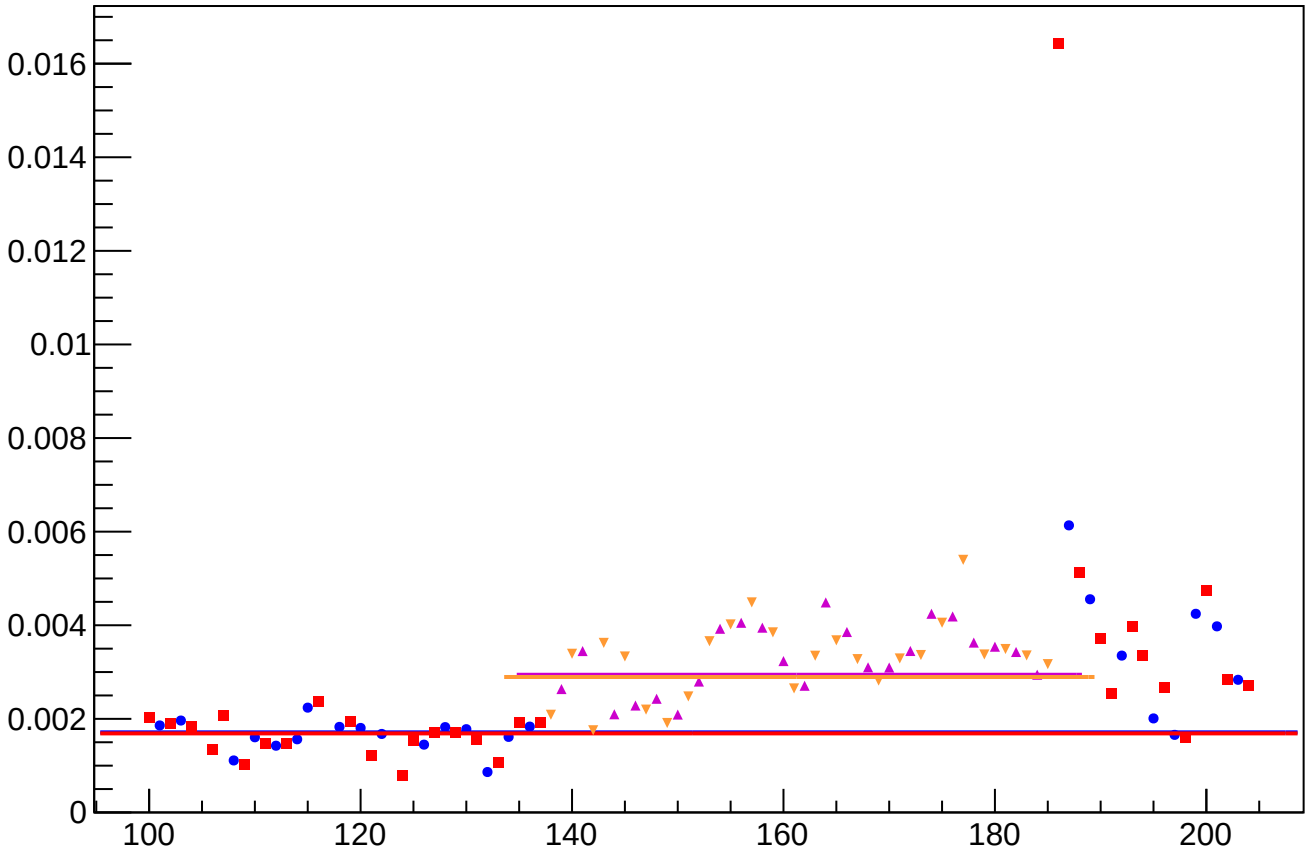
Left: 0.000+/-0.000 χ^2/NDF: 43.3/47

Right: -0.000+/-0.000 χ^2/NDF: 70.8/53

In: -0.000+/-0.000 χ^2/NDF:46.6/46

Out: 0.000+/-0.000 χ^2/NDF:63.9/54

All: -0.000+/-0.000 χ^2/NDF: 118.0/101



Right In: 0.002+/-0.000 χ^2/NDF: 3638764.5/23

Left Out: 0.003+/-0.000 χ^2/NDF:2642911.8/24

Right Out: 0.002+/-0.000 χ^2/NDF: 5626441.2/29

Left In: 0.003+/-0.000 χ^2/NDF:1890470.3/22

Left: 0.003+/-0.000 χ^2/NDF: 4538040.8/47

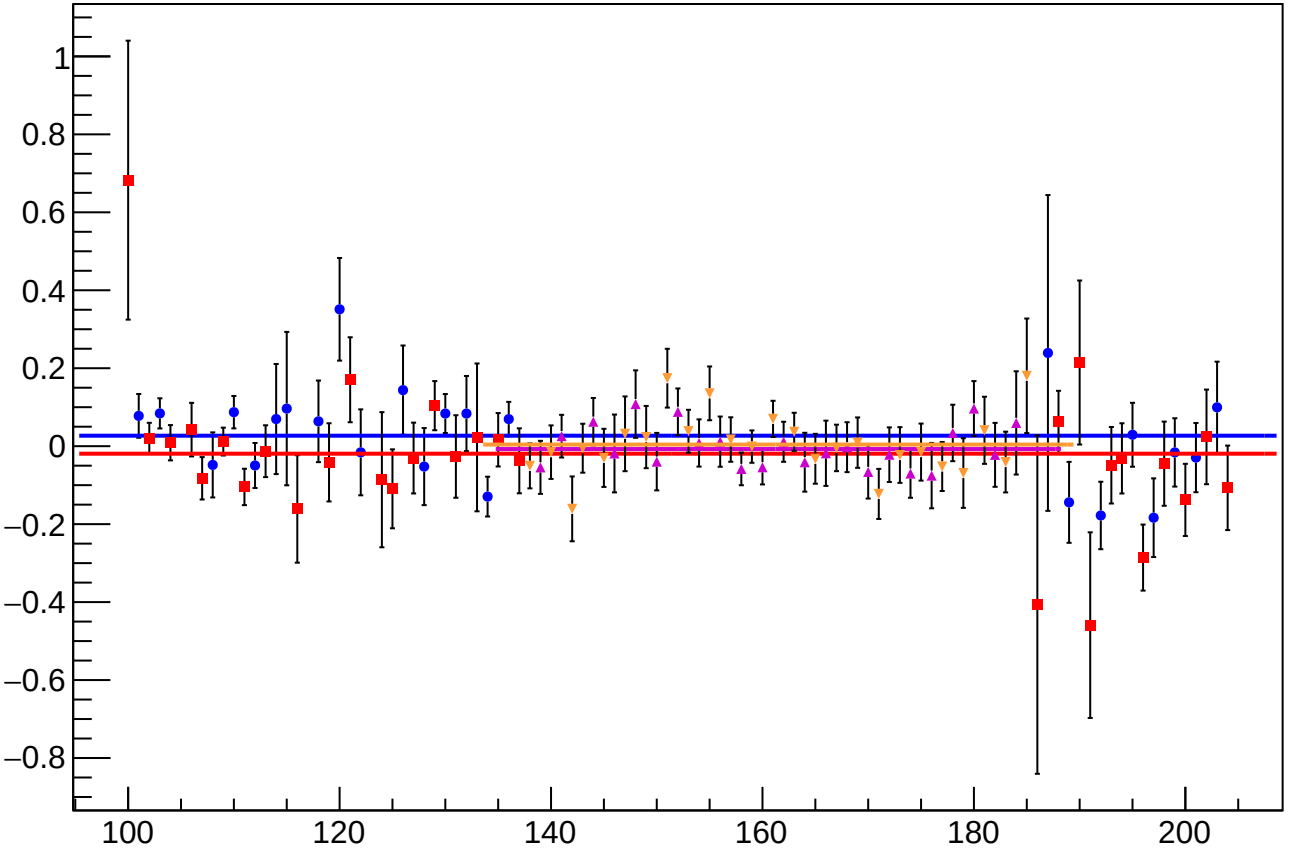
Right: 0.002+/-0.000 χ^2/NDF: 9267292.1/53

In: 0.002+/-0.000 χ^2/NDF:9465628.3/46

Out: 0.002+/-0.000 χ^2/NDF:12399775.1/54

All: 0.002+/-0.000 χ^2/NDF: 21879314.8/101

asym_sam6_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.027+/-0.015 χ^2/NDF: 41.8/23

Left Out: 0.004+/-0.013 χ^2/NDF:24.8/24

Right Out: -0.019+/-0.014 χ^2/NDF: 39.8/29

Left In: -0.007+/-0.014 χ^2/NDF:15.1/22

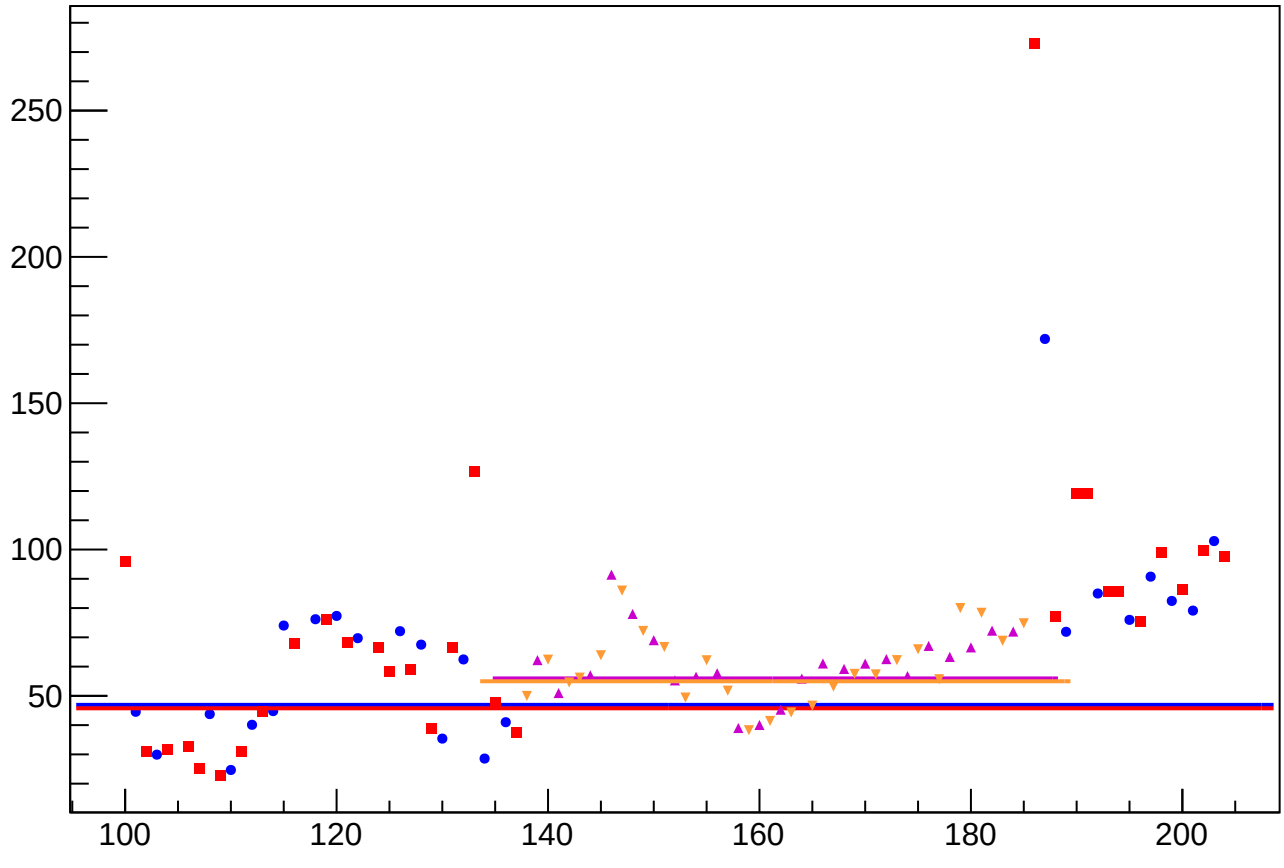
Left: -0.001+/-0.009 χ^2/NDF: 40.2/47

Right: 0.002+/-0.010 χ^2/NDF: 86.9/53

In: 0.008+/-0.010 χ^2/NDF:59.8/46

Out: -0.007+/-0.009 χ^2/NDF:66.1/54

All: 0.000+/-0.007 χ^2/NDF: 127.3/101



Right In: 46.924+/-0.010 χ^2/NDF: 4384279.0/23

Left Out: 54.985+/-0.009 χ^2/NDF:1566963.9/24

Right Out: 45.746+/-0.010 χ^2/NDF: 6791754.0/29

Left In: 55.955+/-0.010 χ^2/NDF:1406309.5/22

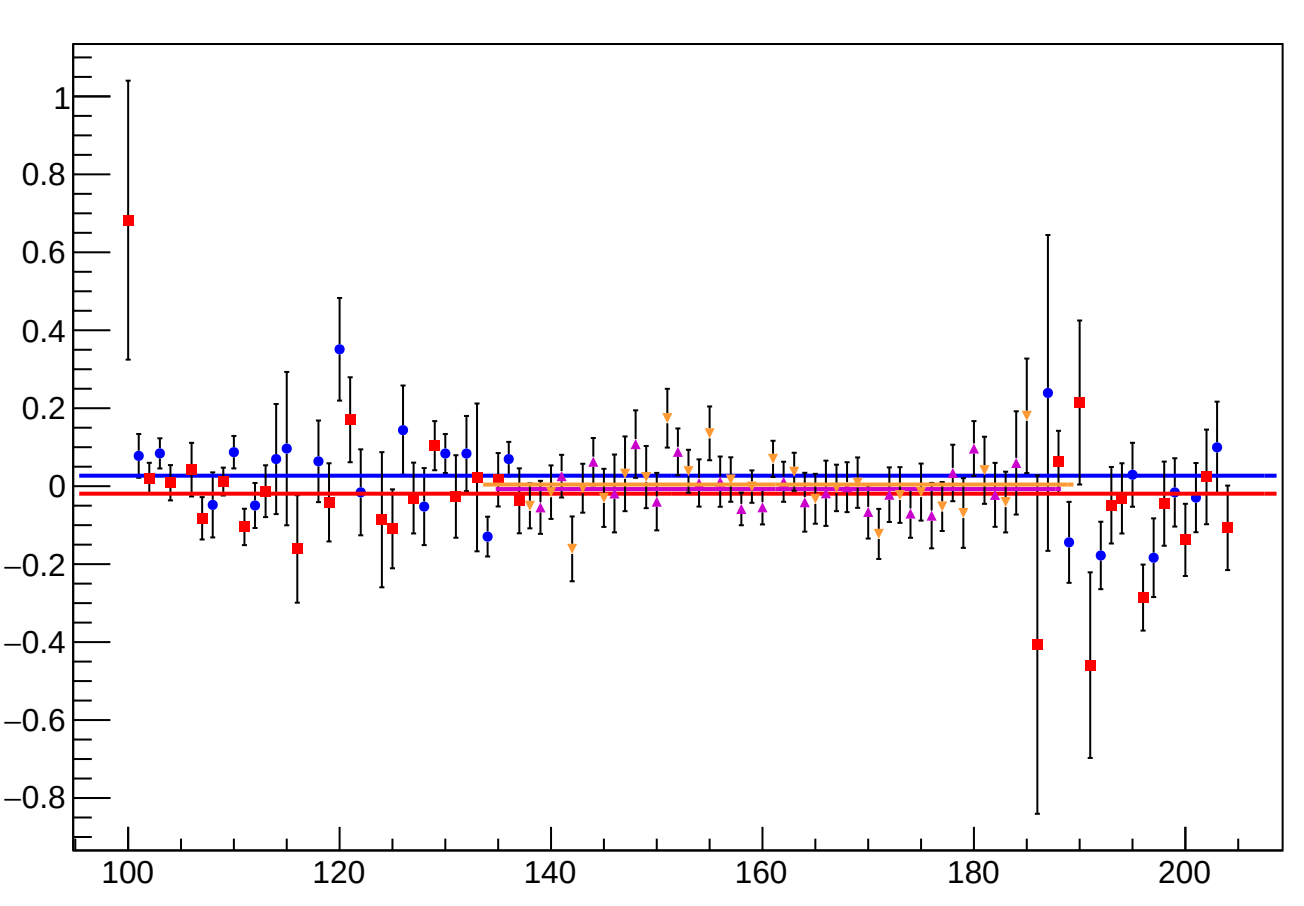
Left: 55.449+/-0.007 χ^2/NDF: 2978638.3/47

Right: 46.300+/-0.007 χ^2/NDF: 11182946.0/53

In: 51.780+/-0.007 χ^2/NDF:6203278.2/46

Out: 50.634+/-0.007 χ^2/NDF:8837799.3/54

All: 51.178+/-0.005 χ^2/NDF: 15055104.0/101



Right In: 0.027+/-0.015 χ^2/NDF: 41.8/23

Left Out: 0.004+/-0.013 χ^2/NDF:24.8/24

Right Out: -0.019+/-0.014 χ^2/NDF: 39.8/29

Left In: -0.007+/-0.014 χ^2/NDF:15.1/22

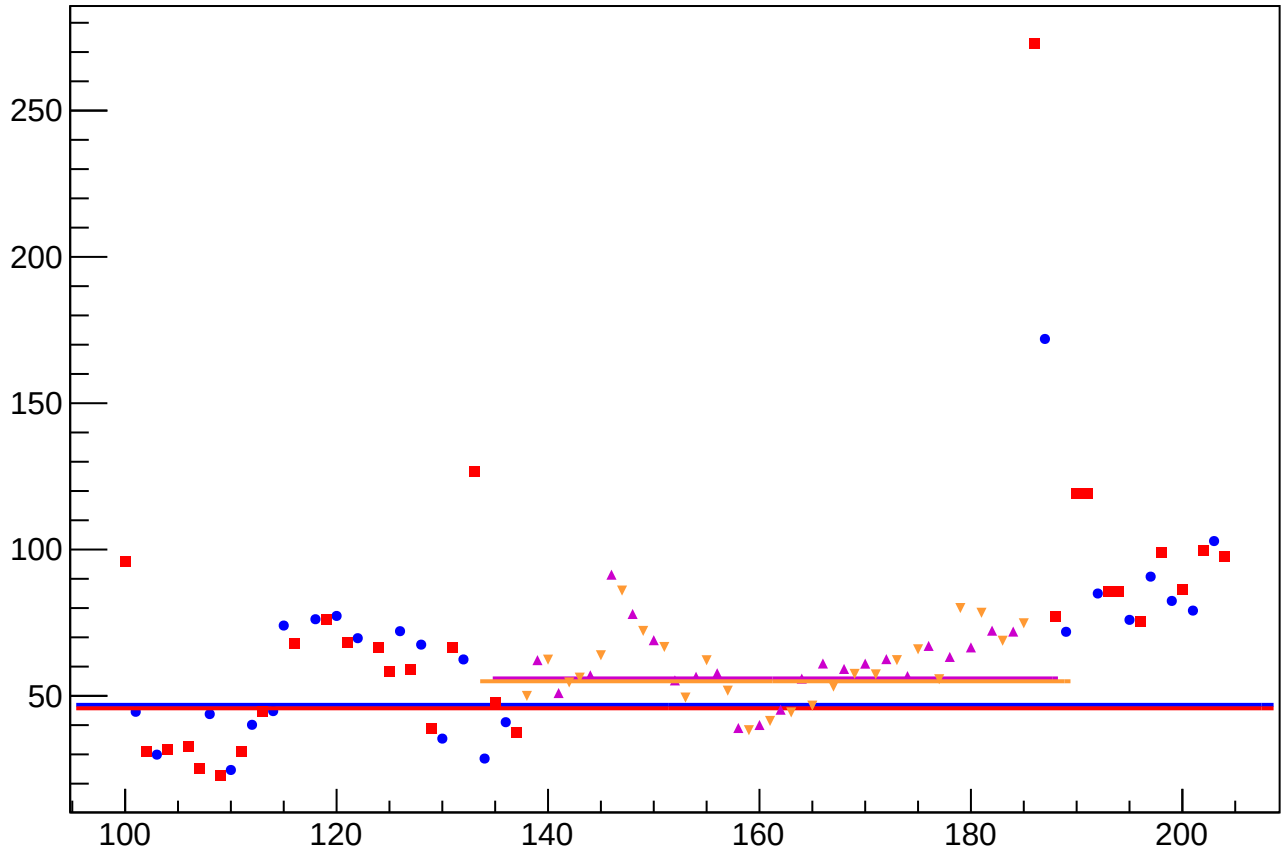
Left: -0.001+/-0.009 χ^2/NDF: 40.2/47

Right: 0.002+/-0.010 χ^2/NDF: 86.9/53

In: 0.008+/-0.010 χ^2/NDF:59.8/46

Out: -0.007+/-0.009 χ^2/NDF:66.1/54

All: 0.000+/-0.007 χ^2/NDF: 127.3/101



Right In: 46.924+/-0.010 χ^2/NDF: 4384279.0/23

Left Out: 54.985+/-0.009 χ^2/NDF:1566963.9/24

Right Out: 45.746+/-0.010 χ^2/NDF: 6791754.0/29

Left In: 55.955+/-0.010 χ^2/NDF:1406309.5/22

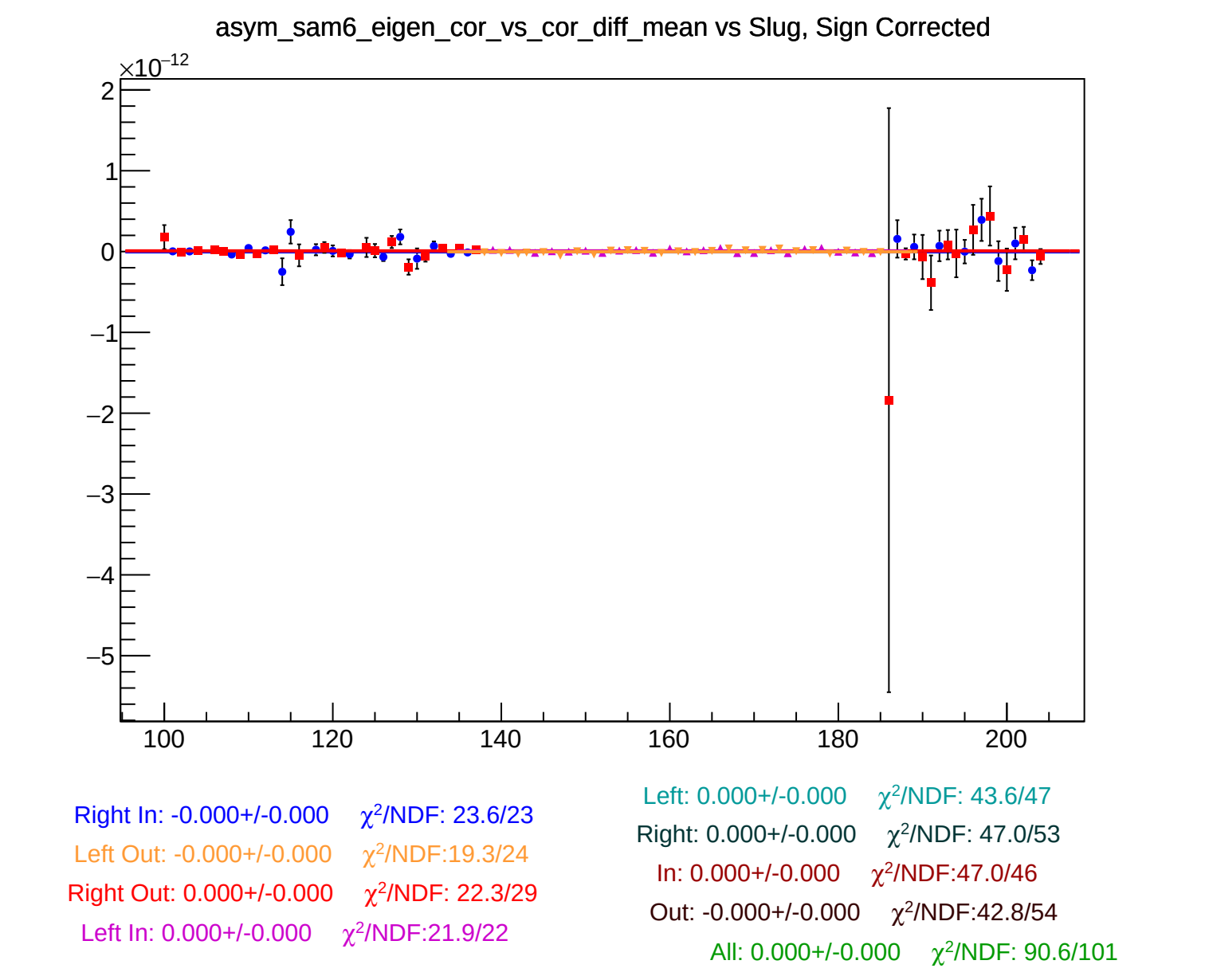
Left: 55.449+/-0.007 χ^2/NDF: 2978638.3/47

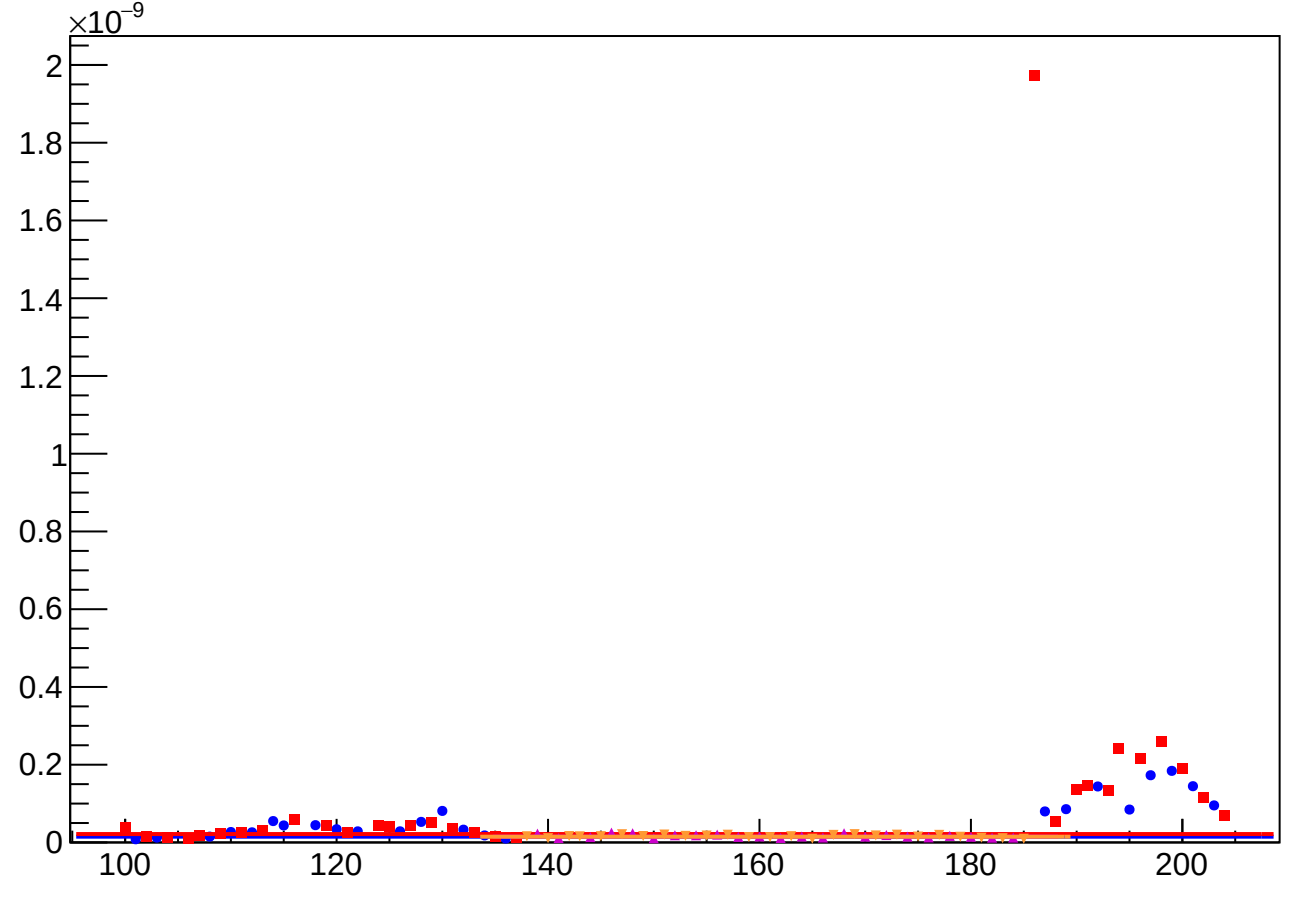
Right: 46.300+/-0.007 χ^2/NDF: 11182946.0/53

In: 51.780+/-0.007 χ^2/NDF:6203278.2/46

Out: 50.634+/-0.007 χ^2/NDF:8837799.3/54

All: 51.178+/-0.005 χ^2/NDF: 15055104.0/101


asym_sam6_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
1
0
−1
−2
−3
−4
−5
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 23.6/23
Left Out: -0.000+/-0.000 χ²/NDF:19.3/24
Right Out: 0.000+/-0.000 χ²/NDF: 22.3/29
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: 47.0/53
In: 0.000+/-0.000 χ²/NDF:47.0/46
Out: -0.000+/-0.000 χ²/NDF:42.8/54
All: 0.000+/-0.000 χ²/NDF: 90.6/101



Right In: 0.000+/-0.000 χ^2/NDF: 8647790.8/23

Left Out: 0.000+/-0.000 χ^2/NDF:1401850.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9509280.5/29

Left In: 0.000+/-0.000 χ^2/NDF:1427121.6/22

Left: 0.000+/-0.000 χ^2/NDF: 2830255.7/47

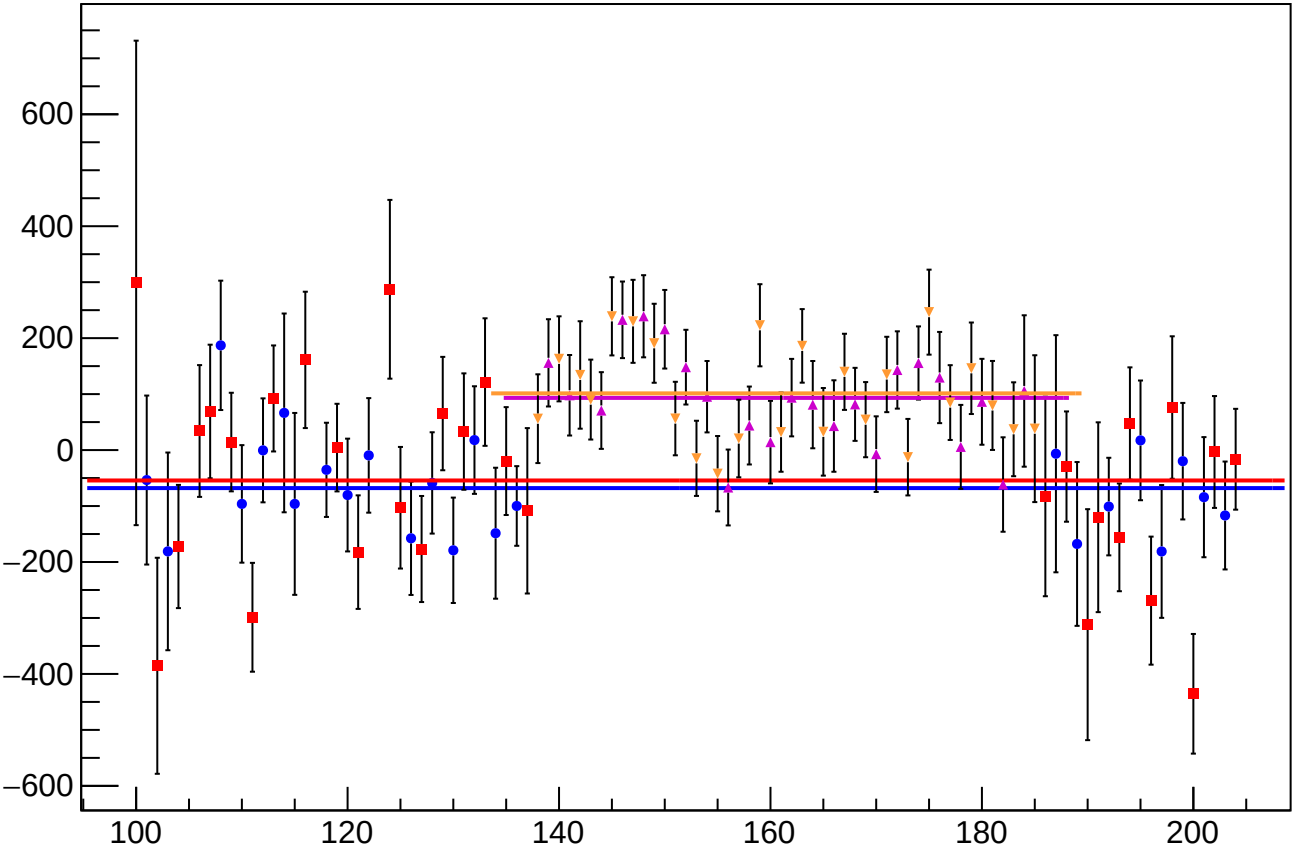
Right: 0.000+/-0.000 χ^2/NDF: 18848364.0/53

In: 0.000+/-0.000 χ^2/NDF:10074979.1/46

Out: 0.000+/-0.000 χ^2/NDF:11883128.4/54

All: 0.000+/-0.000 χ^2/NDF: 22036545.1/101

reg_asym_sam7_mean vs Slug, Sign Corrected



Right In: -67.942+/-21.724 χ^2/NDF: 13.4/23

Left Out: 101.325+/-14.642 χ^2/NDF:33.9/24

Right Out: -54.321+/-20.263 χ^2/NDF: 53.8/29

Left In: 93.236+/-15.137 χ^2/NDF:28.8/22

Left: 97.415+/-10.524 χ^2/NDF: 62.9/47

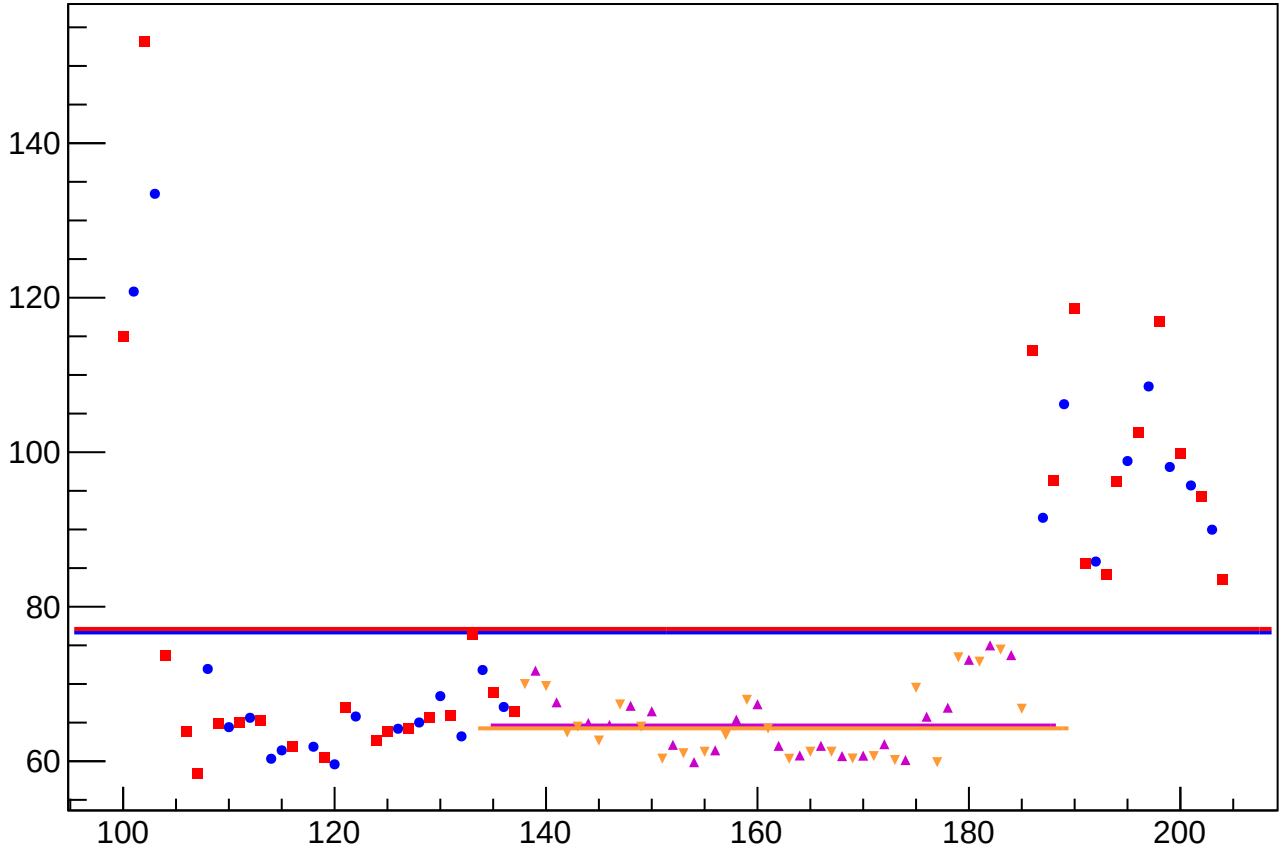
Right: -60.658+/-14.818 χ^2/NDF: 67.4/53

In: 40.561+/-12.419 χ^2/NDF:79.3/46

Out: 47.934+/-11.868 χ^2/NDF:126.5/54

All: 44.415+/-8.580 χ^2/NDF: 205.9/101

reg_asym_sam7_rms vs Slug, Sign Corrected



Right In: 76.670+/-0.015 χ^2/NDF: 1300092.0/23

Left Out: 64.256+/-0.010 χ^2/NDF:177697.9/24

Right Out: 77.126+/-0.014 χ^2/NDF: 1581885.9/29

Left In: 64.621+/-0.011 χ^2/NDF:147201.3/22

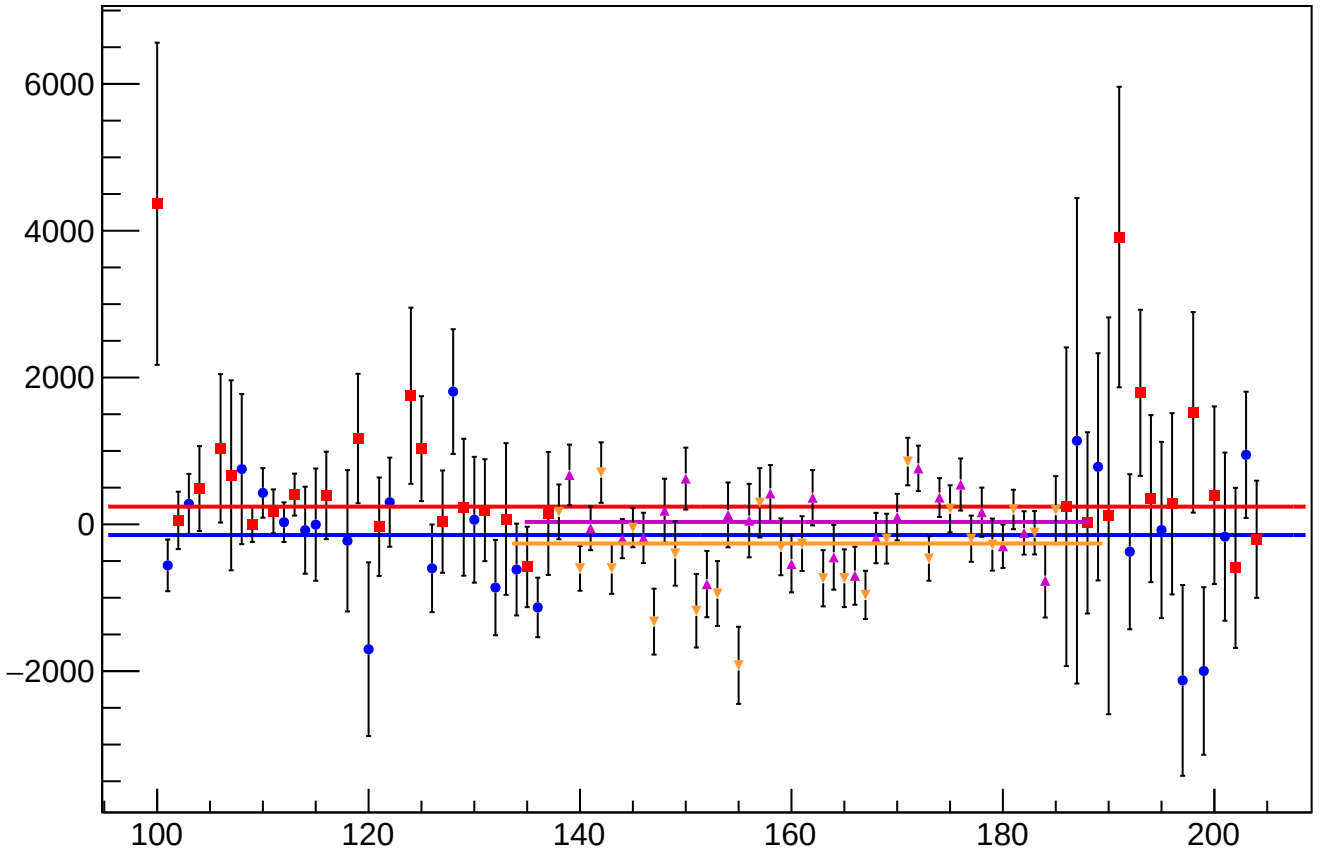
Left: 64.432+/-0.007 χ^2/NDF: 325501.9/47

Right: 76.914+/-0.010 χ^2/NDF: 2882448.7/53

In: 68.559+/-0.009 χ^2/NDF:1861433.7/46

Out: 68.670+/-0.008 χ^2/NDF:2289652.5/54

All: 68.617+/-0.006 χ^2/NDF: 4151170.5/101



Right In: -145.984+/-120.685 χ^2/NDF: 29.6/23

Left Out: -261.124+/-71.268 χ^2/NDF:58.8/24

Right Out: 241.171+/-112.390 χ^2/NDF: 19.5/29

Left In: 32.423+/-73.837 χ^2/NDF:31.7/22

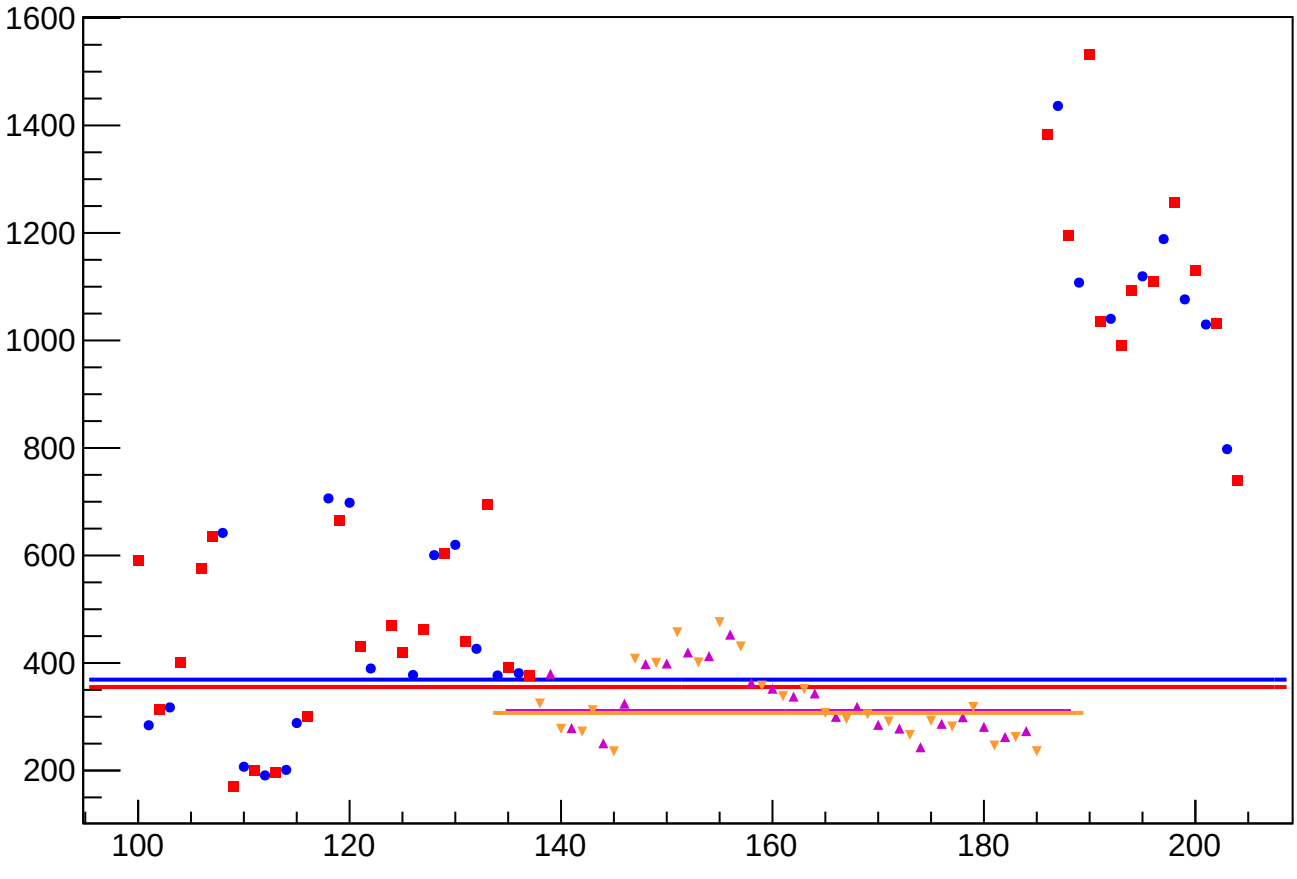
Left: -119.545+/-51.278 χ^2/NDF: 98.7/47

Right: 61.354+/-82.248 χ^2/NDF: 54.6/53

In: -16.169+/-62.984 χ^2/NDF:62.9/46

Out: -117.073+/-60.188 χ^2/NDF:92.6/54

All: -68.911+/-43.514 χ^2/NDF: 156.8/101



Right In: 369.081+/-0.085 χ^2/NDF: 7521755.4/23

Left Out: 307.143+/-0.050 χ^2/NDF:1320151.2/24

Right Out: 355.299+/-0.079 χ^2/NDF: 10477295.8/29

Left In: 310.697+/-0.052 χ^2/NDF:1079476.2/22

Left: 308.857+/-0.036 χ^2/NDF: 2402026.6/47

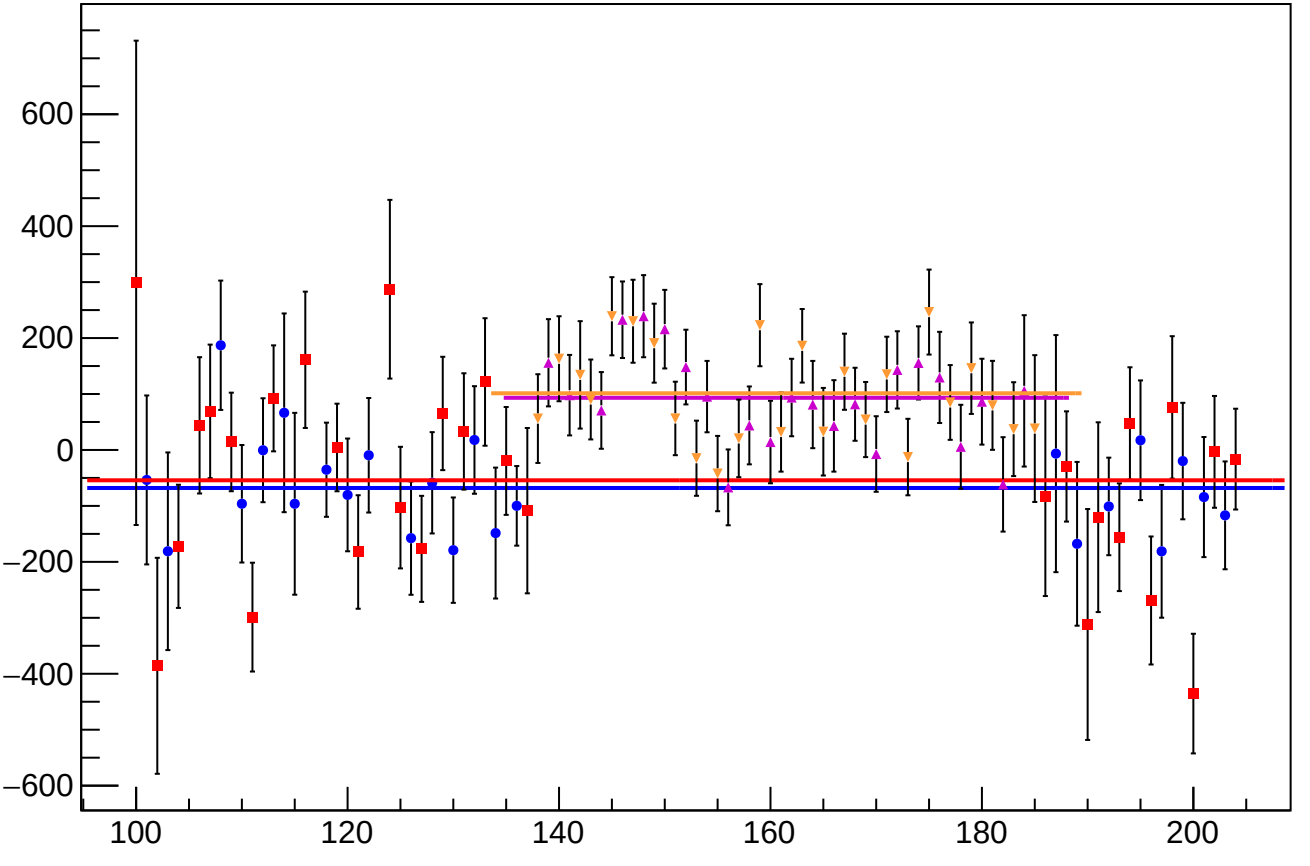
Right: 361.700+/-0.058 χ^2/NDF: 18013020.1/53

In: 326.599+/-0.045 χ^2/NDF:8941811.5/46

Out: 320.954+/-0.043 χ^2/NDF:12059317.5/54

All: 323.648+/-0.031 χ^2/NDF: 21009528.9/10

cor_asym_sam7_mean vs Slug, Sign Corrected



Right In: -67.944+/-21.724 χ^2/NDF: 13.4/23

Left Out: 101.325+/-14.642 χ^2/NDF:33.9/24

Right Out: -54.219+/-20.283 χ^2/NDF: 53.9/29

Left In: 93.235+/-15.137 χ^2/NDF:28.8/22

Left: 97.414+/-10.524 χ^2/NDF: 62.9/47

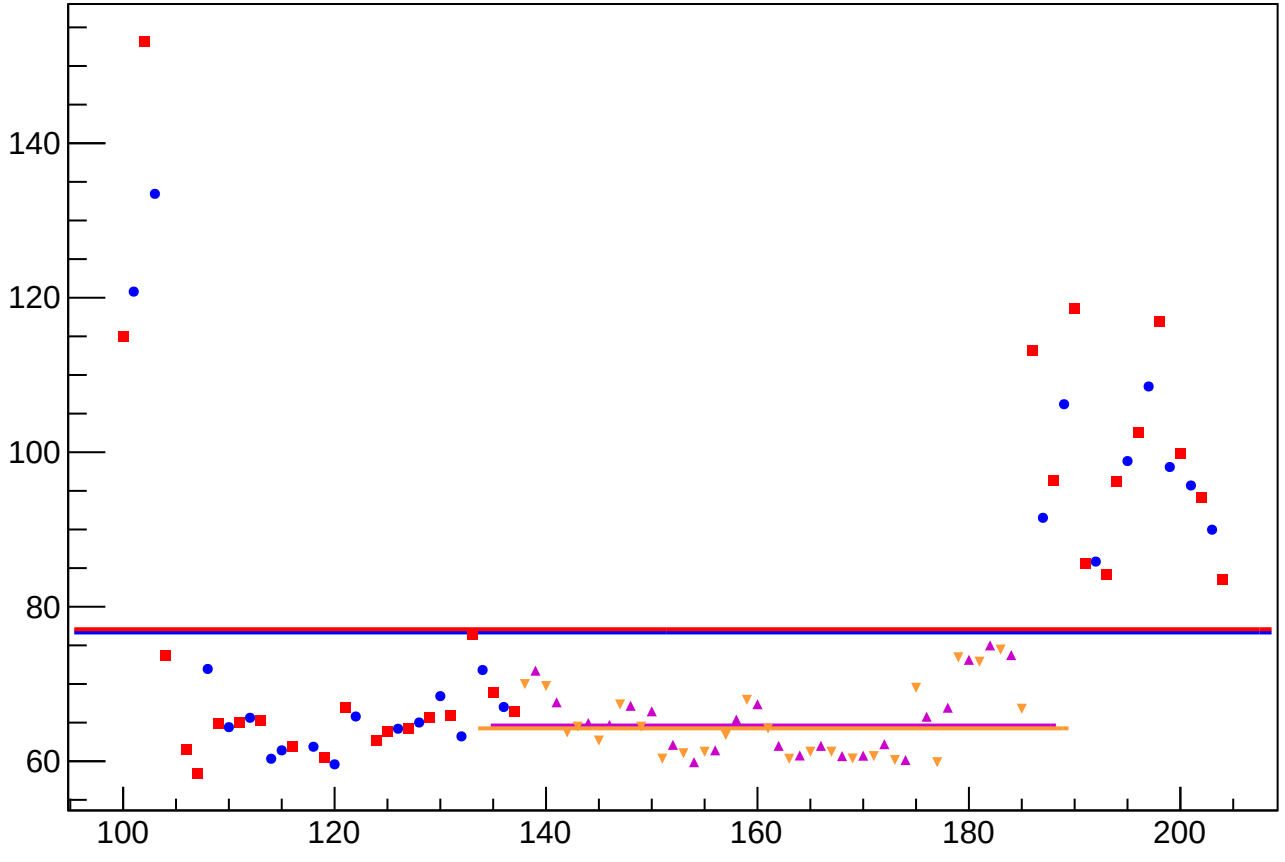
Right: -60.611+/-14.826 χ^2/NDF: 67.5/53

In: 40.560+/-12.419 χ^2/NDF:79.3/46

Out: 48.038+/-11.872 χ^2/NDF:126.5/54

All: 44.467+/-8.582 χ^2/NDF: 205.9/101

cor_asym_sam7_rms vs Slug, Sign Corrected



Right In: 76.670+/-0.015 χ^2/NDF: 1300092.3/23

Left Out: 64.256+/-0.010 χ^2/NDF:177697.9/24

Right Out: 77.086+/-0.014 χ^2/NDF: 1589408.8/29

Left In: 64.621+/-0.011 χ^2/NDF:147201.3/22

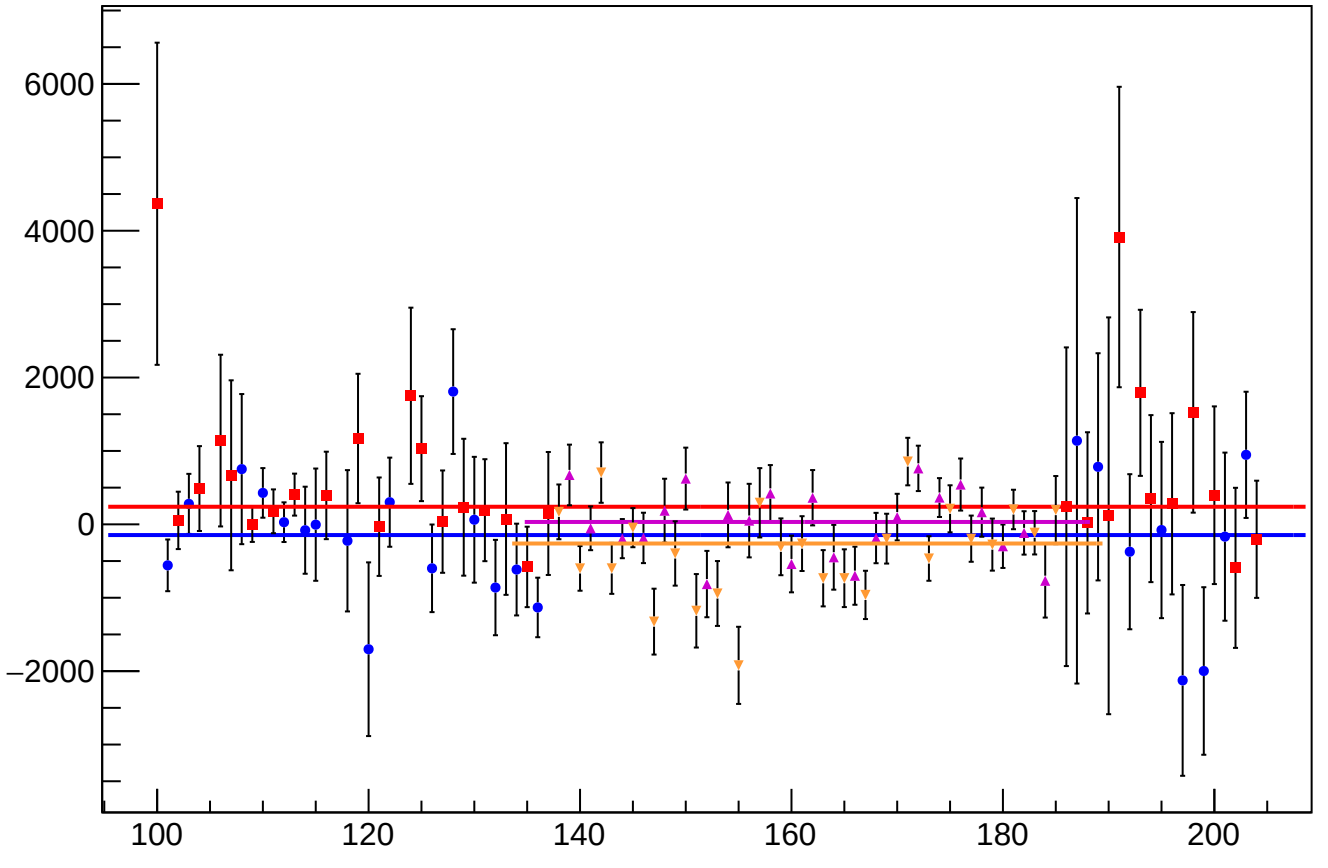
Left: 64.432+/-0.007 χ^2/NDF: 325501.9/47

Right: 76.892+/-0.010 χ^2/NDF: 2889893.1/53

In: 68.559+/-0.009 χ^2/NDF:1861434.0/46

Out: 68.651+/-0.008 χ^2/NDF:2293235.9/54

All: 68.607+/-0.006 χ^2/NDF: 4154727.5/101



Right In: -145.980+/-120.685 χ^2/NDF: 29.6/23

Left Out: -261.124+/-71.268 χ^2/NDF:58.8/24

Right Out: 239.680+/-112.570 χ^2/NDF: 19.5/29

Left In: 32.420+/-73.837 χ^2/NDF:31.7/22

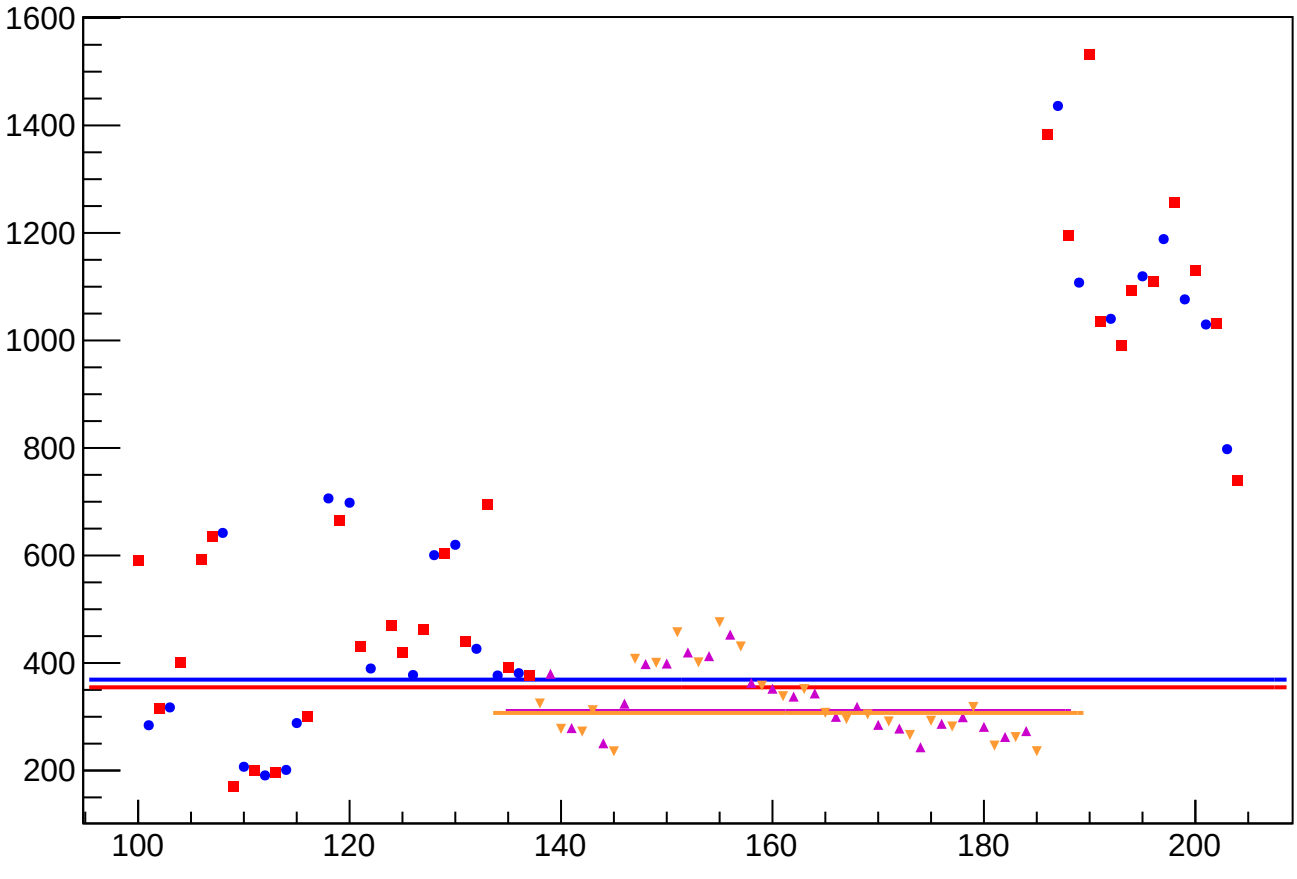
Left: -119.547+/-51.278 χ^2/NDF: 98.7/47

Right: 60.251+/-82.319 χ^2/NDF: 54.6/53

In: -16.170+/-62.984 χ^2/NDF:62.9/46

Out: -117.829+/-60.215 χ^2/NDF:92.4/54

All: -69.283+/-43.525 χ^2/NDF: 156.7/101



Right In: 369.084+/-0.085 χ^2/NDF: 7521724.0/23

Left Out: 307.143+/-0.050 χ^2/NDF:1320147.4/24

Right Out: 354.793+/-0.080 χ^2/NDF: 10465209.2/29

Left In: 310.698+/-0.052 χ^2/NDF:1079479.8/22

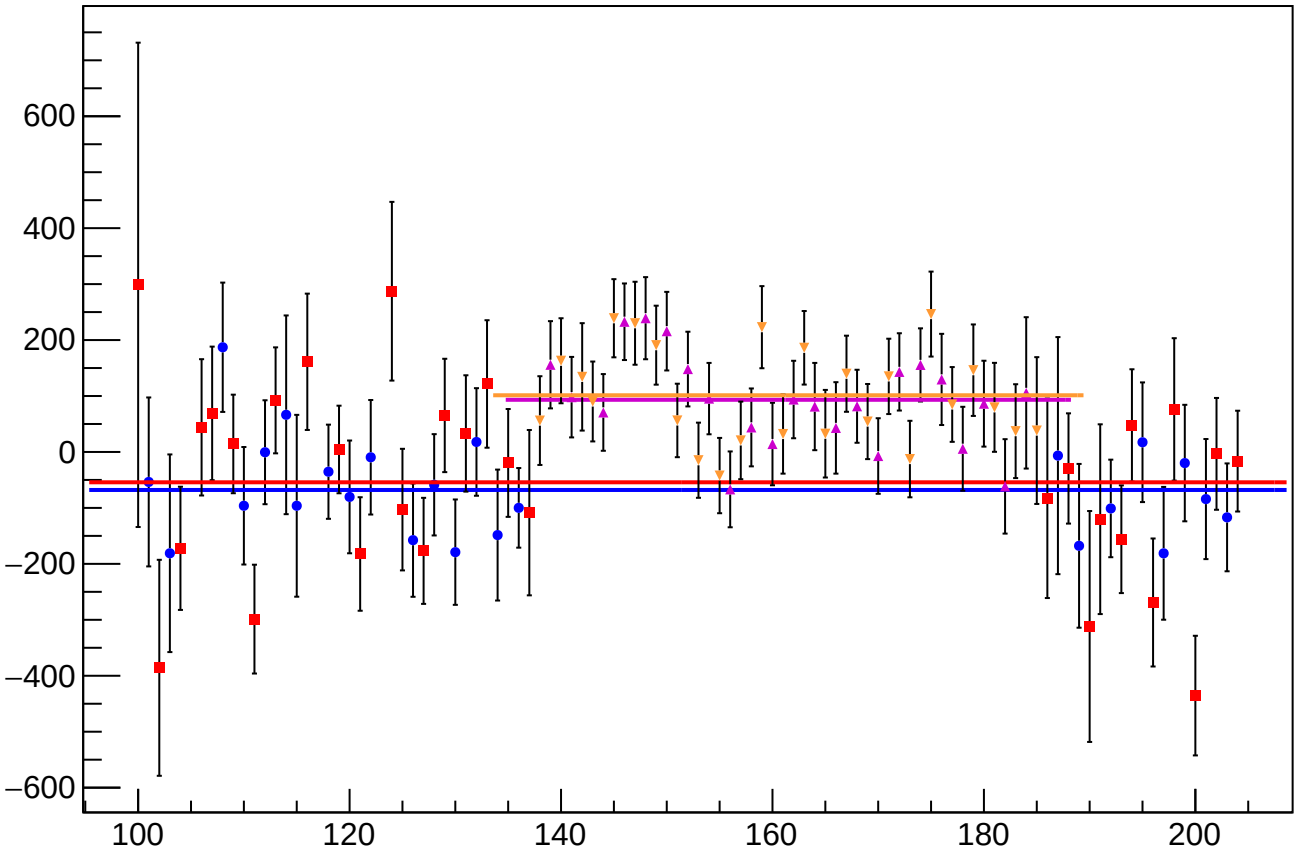
Left: 308.857+/-0.036 χ^2/NDF: 2402026.6/47

Right: 361.442+/-0.058 χ^2/NDF: 18001929.2/53

In: 326.600+/-0.045 χ^2/NDF:8941807.9/46

Out: 320.777+/-0.043 χ^2/NDF:12041171.1/54

All: 323.558+/-0.031 χ^2/NDF: 20991909.6/10



Right In: -67.944+/-21.724 χ^2/NDF: 13.4/23

Left Out: 101.325+/-14.642 χ^2/NDF:33.9/24

Right Out: -54.219+/-20.283 χ^2/NDF: 53.9/29

Left In: 93.235+/-15.137 χ^2/NDF:28.8/22

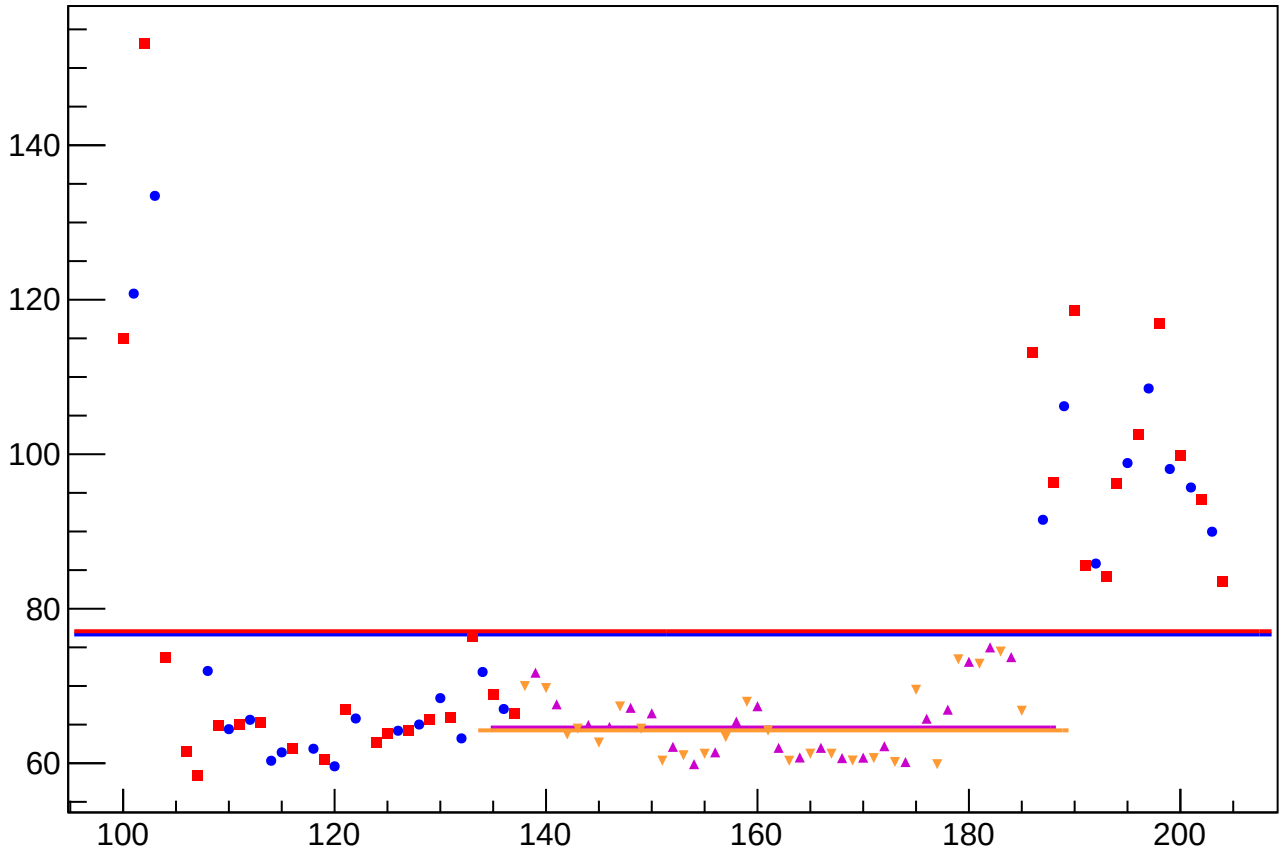
Left: 97.414+/-10.524 χ^2/NDF: 62.9/47

Right: -60.611+/-14.826 χ^2/NDF: 67.5/53

In: 40.560+/-12.419 χ^2/NDF:79.3/46

Out: 48.038+/-11.872 χ^2/NDF:126.5/54

All: 44.467+/-8.582 χ^2/NDF: 205.9/101



Right In: 76.670+/-0.015 χ^2/NDF: 1300092.3/23

Left Out: 64.256+/-0.010 χ^2/NDF:177697.9/24

Right Out: 77.086+/-0.014 χ^2/NDF: 1589408.8/29

Left In: 64.621+/-0.011 χ^2/NDF:147201.3/22

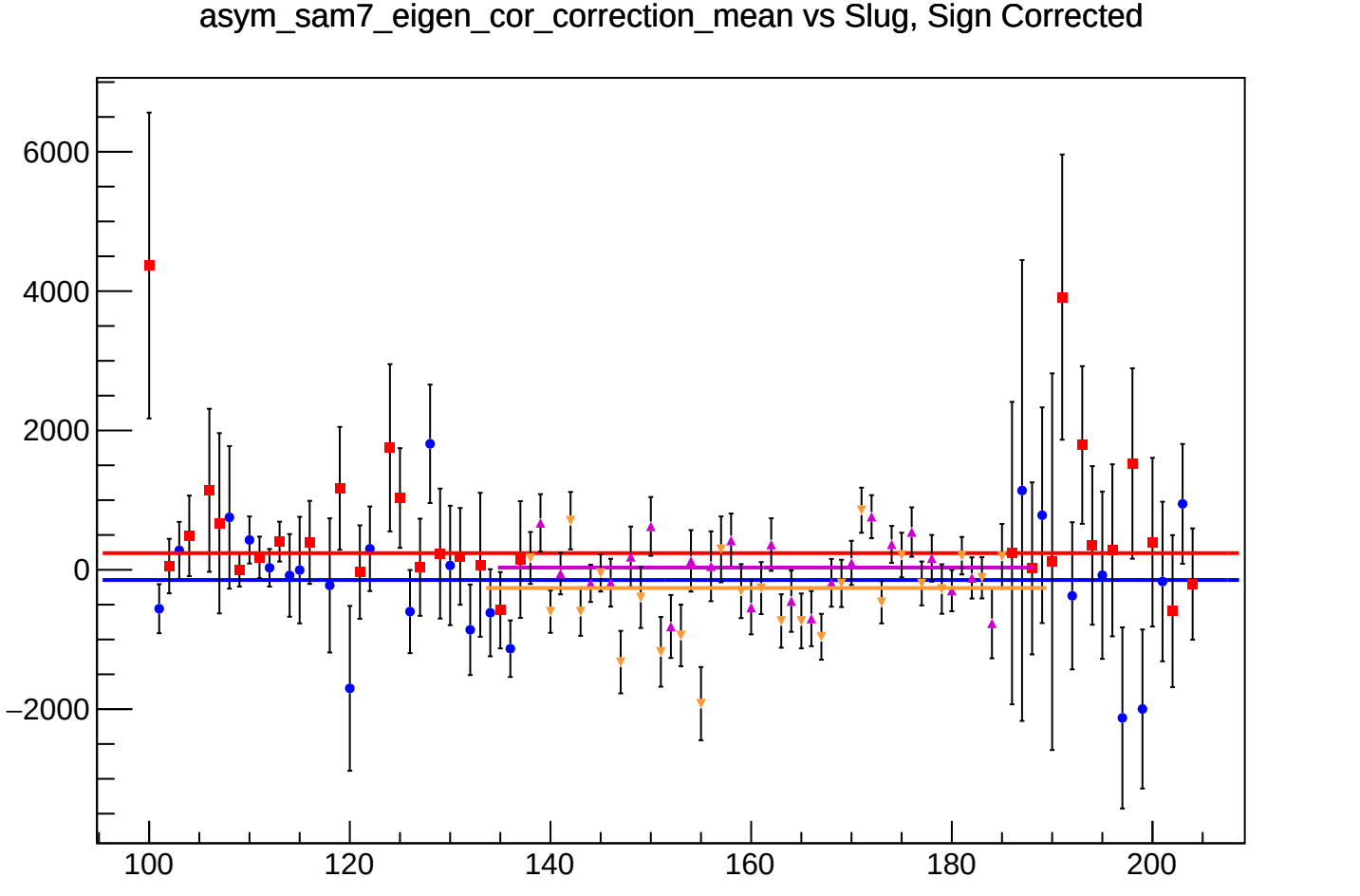
Left: 64.432+/-0.007 χ^2/NDF: 325501.9/47

Right: 76.892+/-0.010 χ^2/NDF: 2889893.1/53

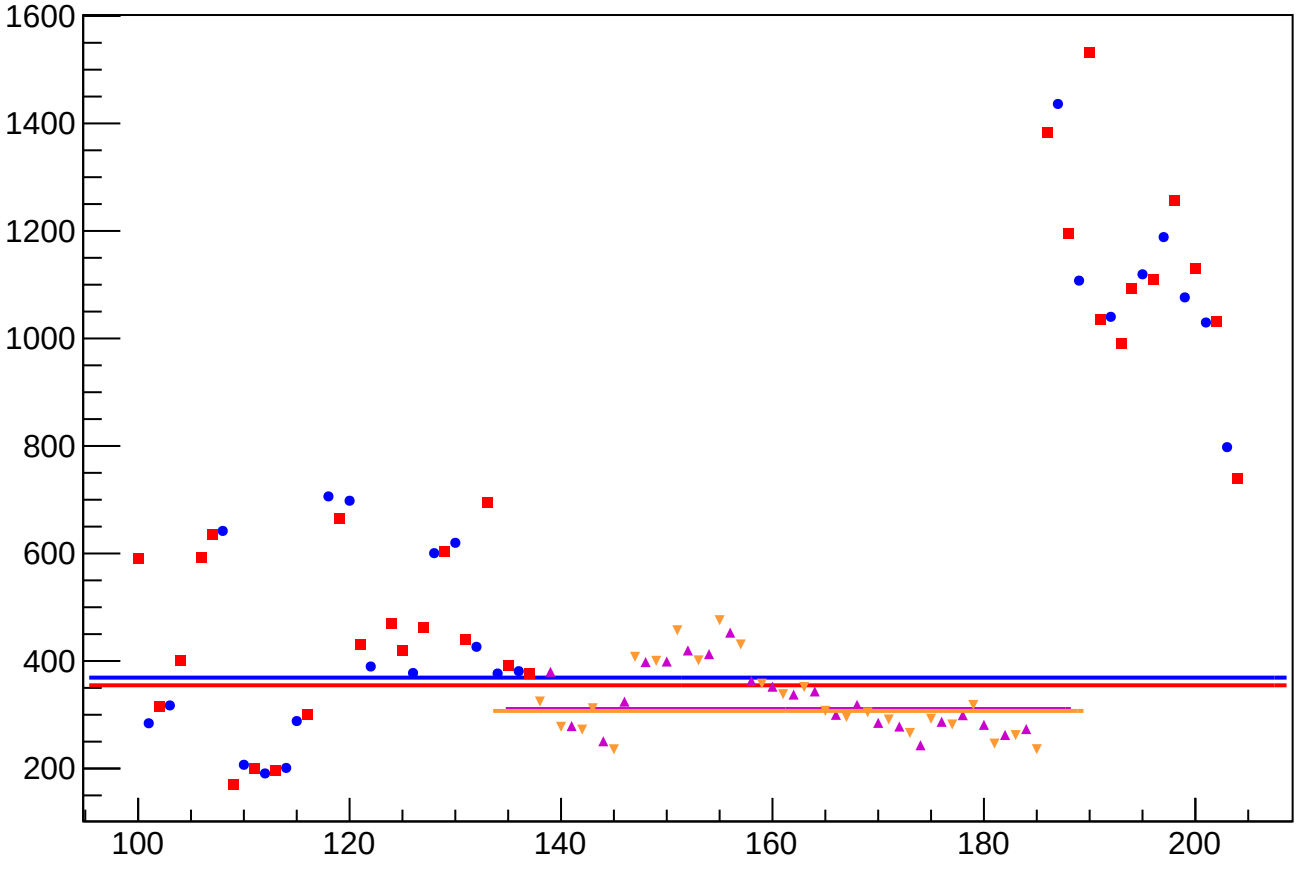
In: 68.559+/-0.009 χ^2/NDF:1861434.0/46

Out: 68.651+/-0.008 χ^2/NDF:2293235.9/54

All: 68.607+/-0.006 χ^2/NDF: 4154727.5/101


asym_sam7_eigen_cor_correction_mean vs Slug, Sign Corrected
6000
4000
2000
0
−2000
100
120
140
160
180
200
Right In: -145.980+/-120.685 χ²/NDF: 29.6/23
Left Out: -261.124+/-71.268 χ²/NDF:58.8/24
Right Out: 239.680+/-112.570 χ²/NDF: 19.5/29
Left In: 32.420+/-73.837 χ²/NDF:31.7/22
Left: -119.547+/-51.278 χ²/NDF: 98.7/47
Right: 60.251+/-82.319 χ²/NDF: 54.6/53
In: -16.170+/-62.984 χ²/NDF:62.9/46
Out: -117.829+/-60.215 χ²/NDF:92.4/54
All: -69.283+/-43.525 χ²/NDF: 156.7/101

asym_sam7_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 369.084+/-0.085 χ^2/NDF: 7521724.0/23

Left Out: 307.143+/-0.050 χ^2/NDF:1320147.4/24

Right Out: 354.793+/-0.080 χ^2/NDF: 10465209.2/29

Left In: 310.698+/-0.052 χ^2/NDF:1079479.8/22

Left: 308.857+/-0.036 χ^2/NDF: 2402026.6/47

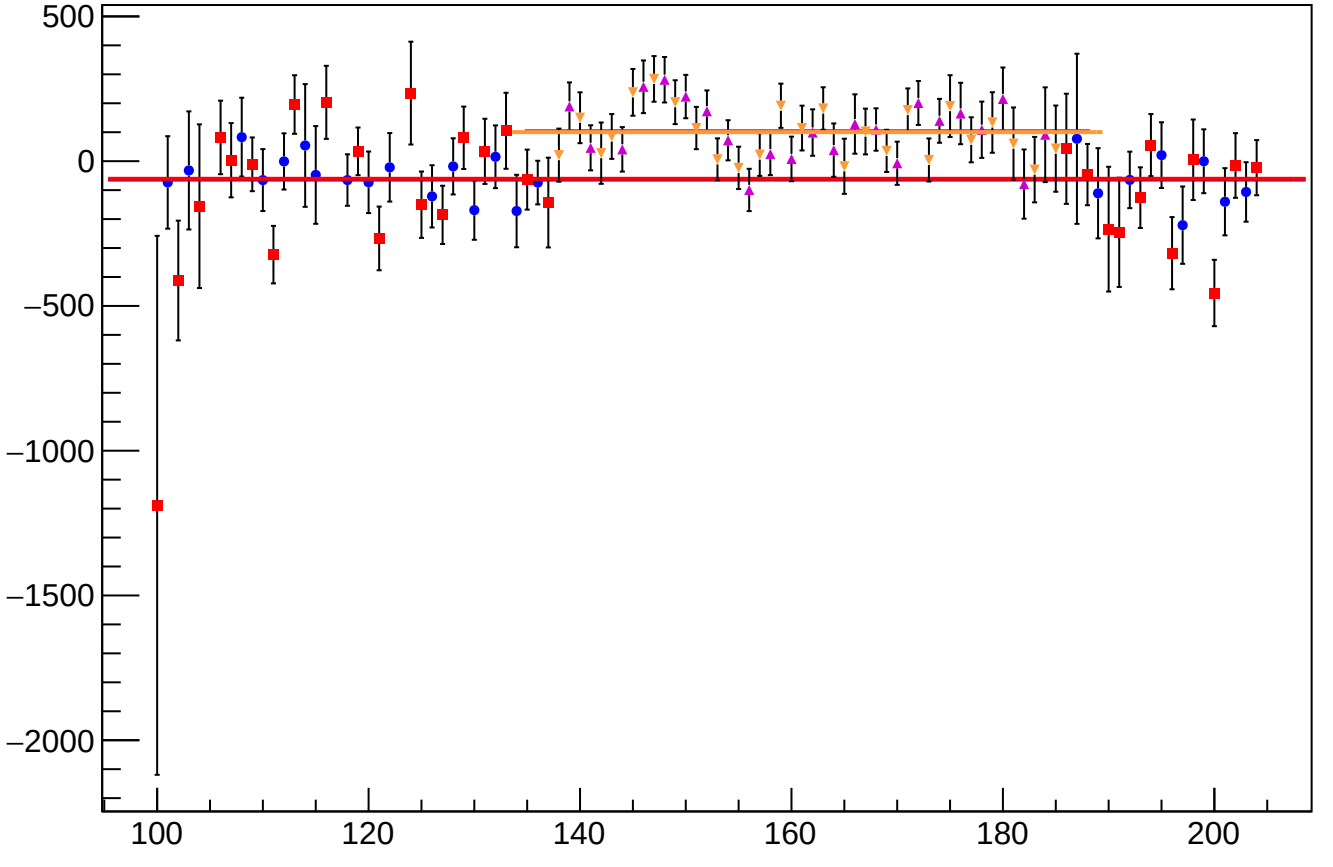
Right: 361.442+/-0.058 χ^2/NDF: 18001929.2/53

In: 326.600+/-0.045 χ^2/NDF:8941807.9/46

Out: 320.777+/-0.043 χ^2/NDF:12041171.1/54

All: 323.558+/-0.031 χ^2/NDF: 20991909.6/10

dit_asym_sam7_mean vs Slug, Sign Corrected



Right In: -63.345+/-23.501 χ^2/NDF: 8.1/23

Left Out: 100.277+/-16.625 χ^2/NDF:27.7/24

Right Out: -60.902+/-22.035 χ^2/NDF: 58.2/29

Left In: 103.363+/-17.260 χ^2/NDF:32.7/22

Left: 101.762+/-11.974 χ^2/NDF: 60.4/47

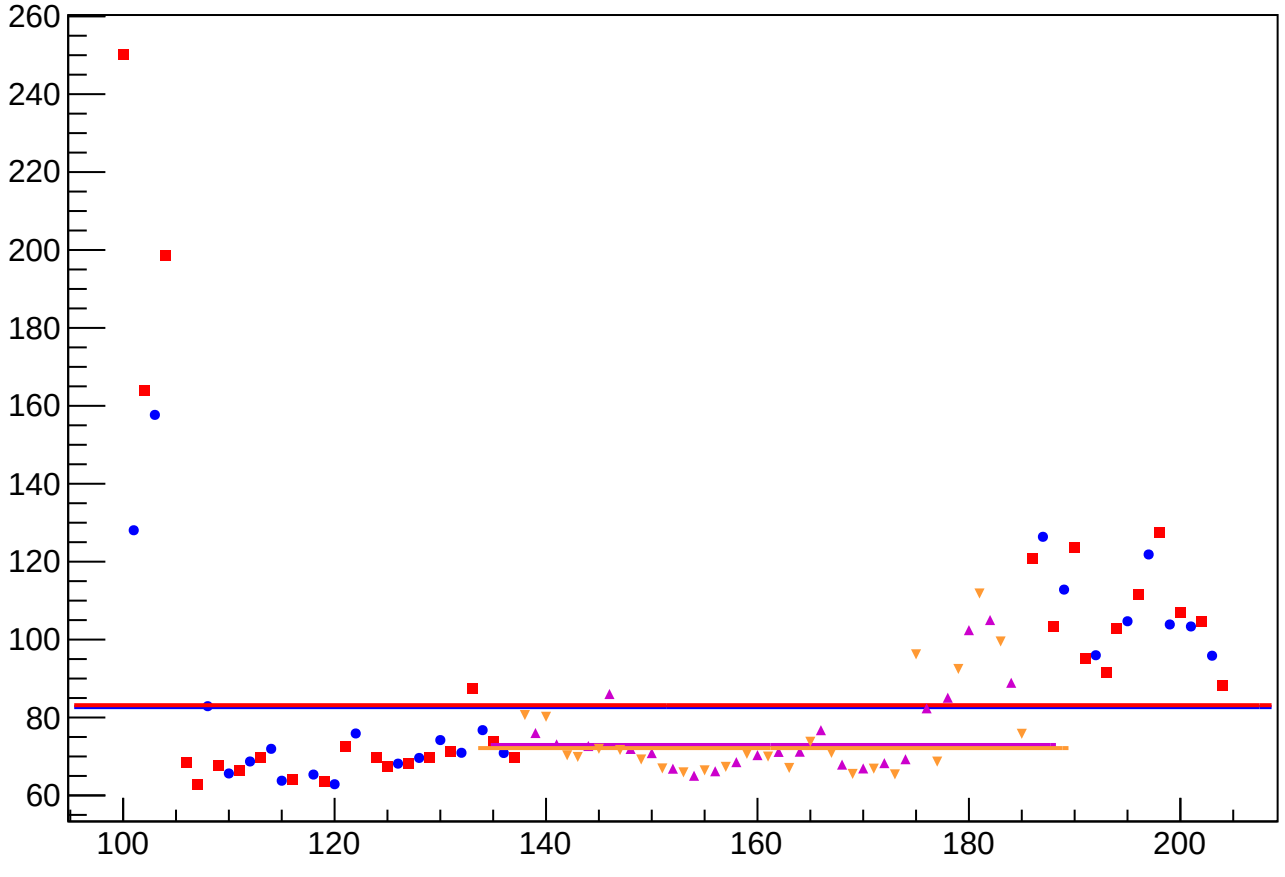
Right: -62.045+/-16.074 χ^2/NDF: 66.4/53

In: 44.947+/-13.911 χ^2/NDF:73.5/46

Out: 41.809+/-13.271 χ^2/NDF:120.0/54

All: 43.304+/-9.603 χ^2/NDF: 193.6/101

dit_asym_sam7_rms vs Slug, Sign Corrected



Right In: 82.664+/-0.017 χ^2/NDF: 1443829.1/23

Left Out: 72.150+/-0.012 χ^2/NDF:641970.1/24

Right Out: 83.161+/-0.016 χ^2/NDF: 2071212.6/29

Left In: 72.948+/-0.012 χ^2/NDF:509028.0/22

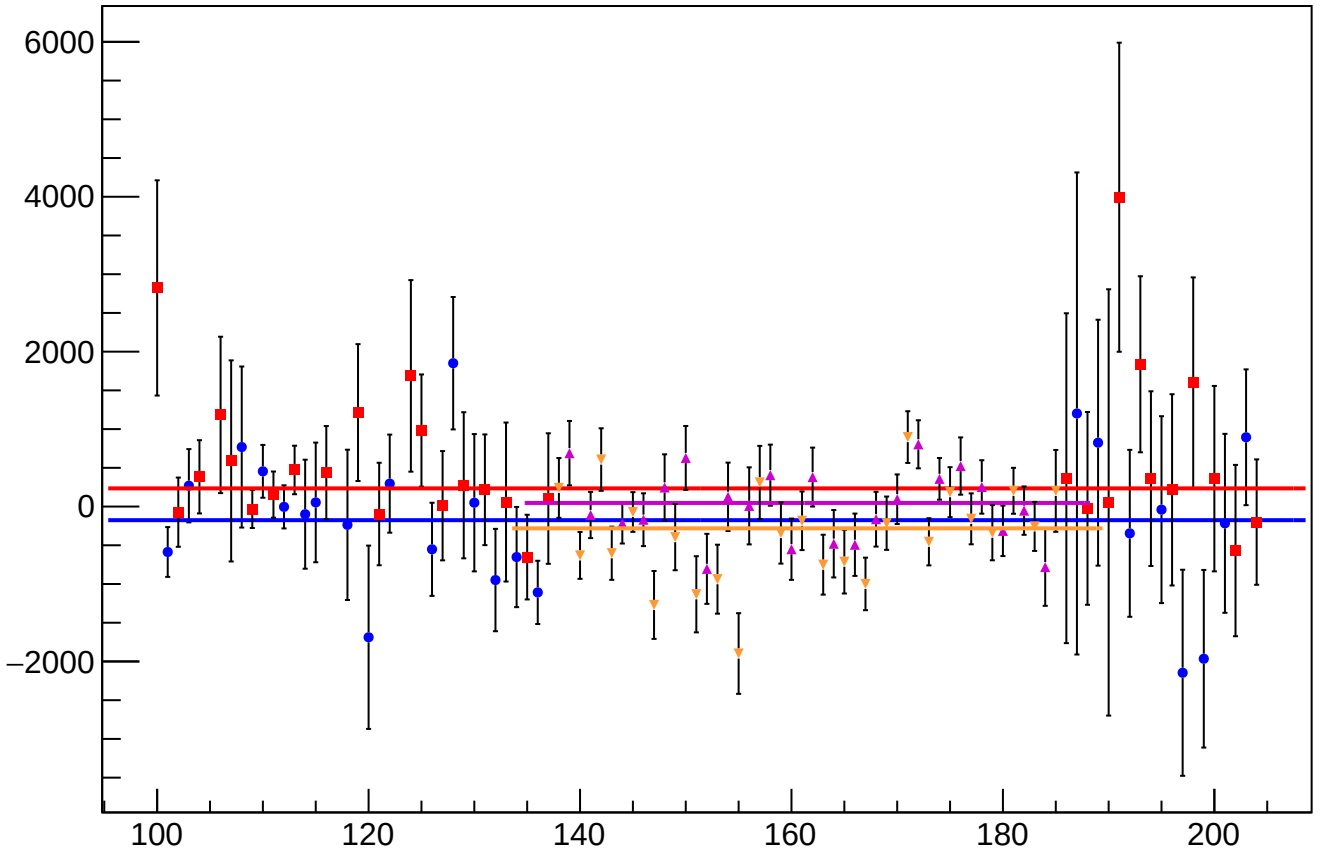
Left: 72.534+/-0.008 χ^2/NDF: 1153218.8/47

Right: 82.929+/-0.011 χ^2/NDF: 3515517.9/53

In: 76.353+/-0.010 χ^2/NDF:2174916.4/46

Out: 76.144+/-0.009 χ^2/NDF:3031463.5/54

All: 76.243+/-0.007 χ^2/NDF: 5206615.3/101



Right In: -175.815+/-123.050 χ^2/NDF: 29.4/23

Left Out: -281.205+/-72.538 χ^2/NDF:56.8/24

Right Out: 234.599+/-114.445 χ^2/NDF: 21.1/29

Left In: 46.569+/-74.897 χ^2/NDF:30.7/22

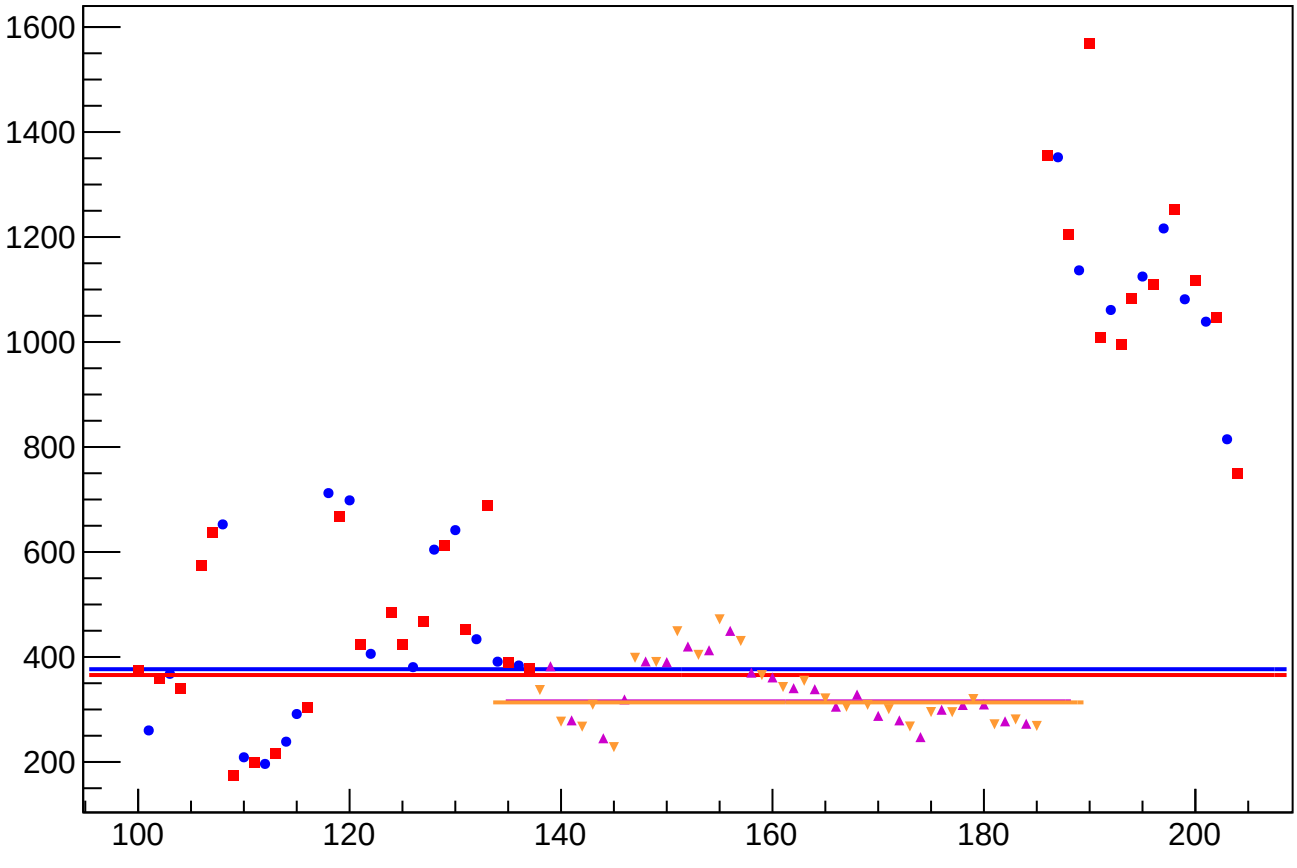
Left: -122.562+/-52.106 χ^2/NDF: 97.4/47

Right: 44.243+/-83.802 χ^2/NDF: 56.4/53

In: -13.548+/-63.978 χ^2/NDF:62.5/46

Out: -133.378+/-61.268 χ^2/NDF:92.4/54

All: -76.054+/-44.250 χ^2/NDF: 156.7/101



Right In: 376.746+/-0.087 χ^2/NDF: 7496880.1/23

Left Out: 313.500+/-0.051 χ^2/NDF:1175529.4/24

Right Out: 365.631+/-0.081 χ^2/NDF: 10119952.7/29

Left In: 315.455+/-0.053 χ^2/NDF:1008523.1/22

Left: 314.446+/-0.037 χ^2/NDF: 2184755.7/47

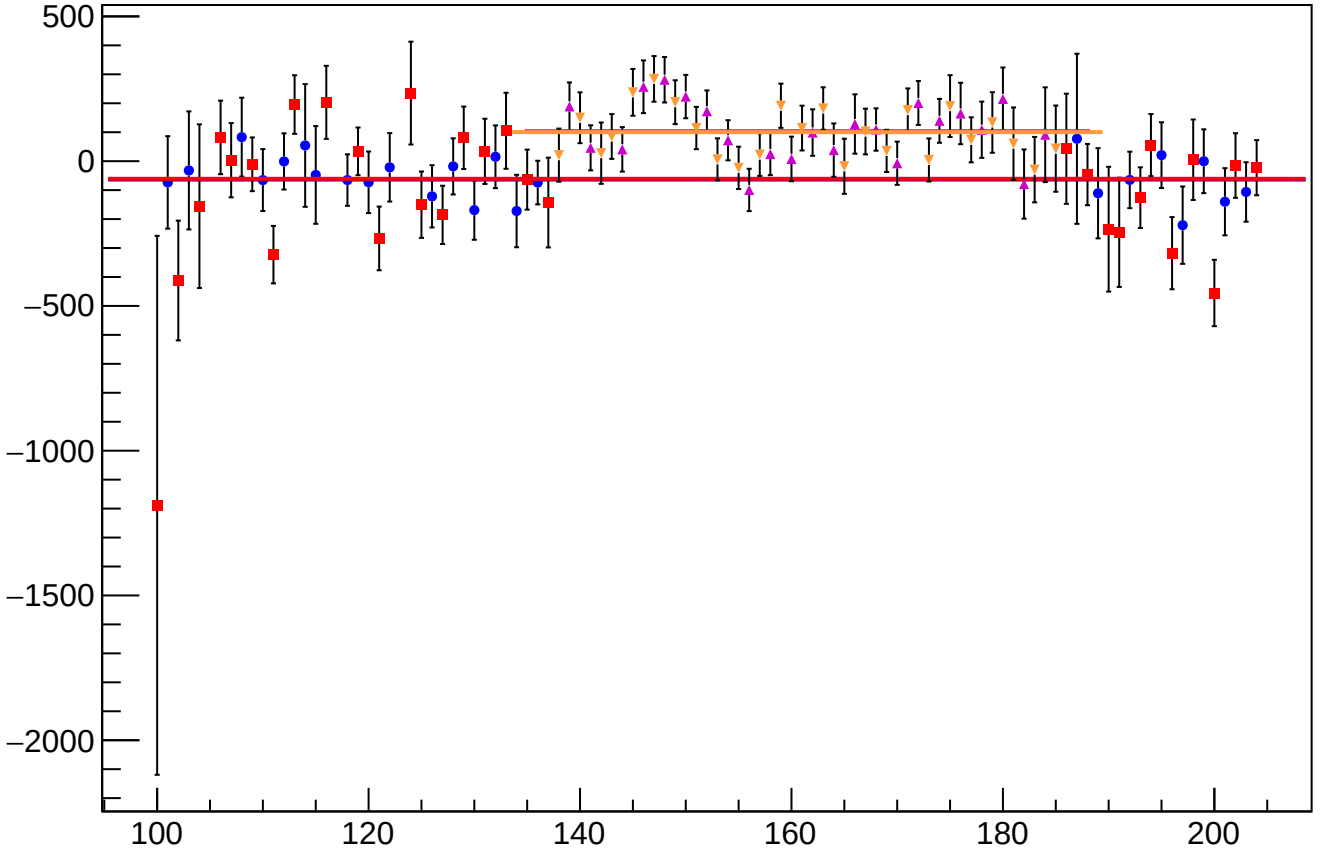
Right: 370.786+/-0.059 χ^2/NDF: 17625582.5/53

In: 332.024+/-0.045 χ^2/NDF:8867463.8/46

Out: 328.441+/-0.043 χ^2/NDF:11591529.5/54

All: 330.155+/-0.031 χ^2/NDF: 20462265.9/10

eigen_dit_asym_sam7_mean vs Slug, Sign Corrected



Right In: -63.344+/-23.501 χ^2/NDF: 8.1/23

Left Out: 100.276+/-16.625 χ^2/NDF:27.7/24

Right Out: -60.902+/-22.035 χ^2/NDF: 58.2/29

Left In: 103.363+/-17.260 χ^2/NDF:32.7/22

Left: 101.762+/-11.974 χ^2/NDF: 60.4/47

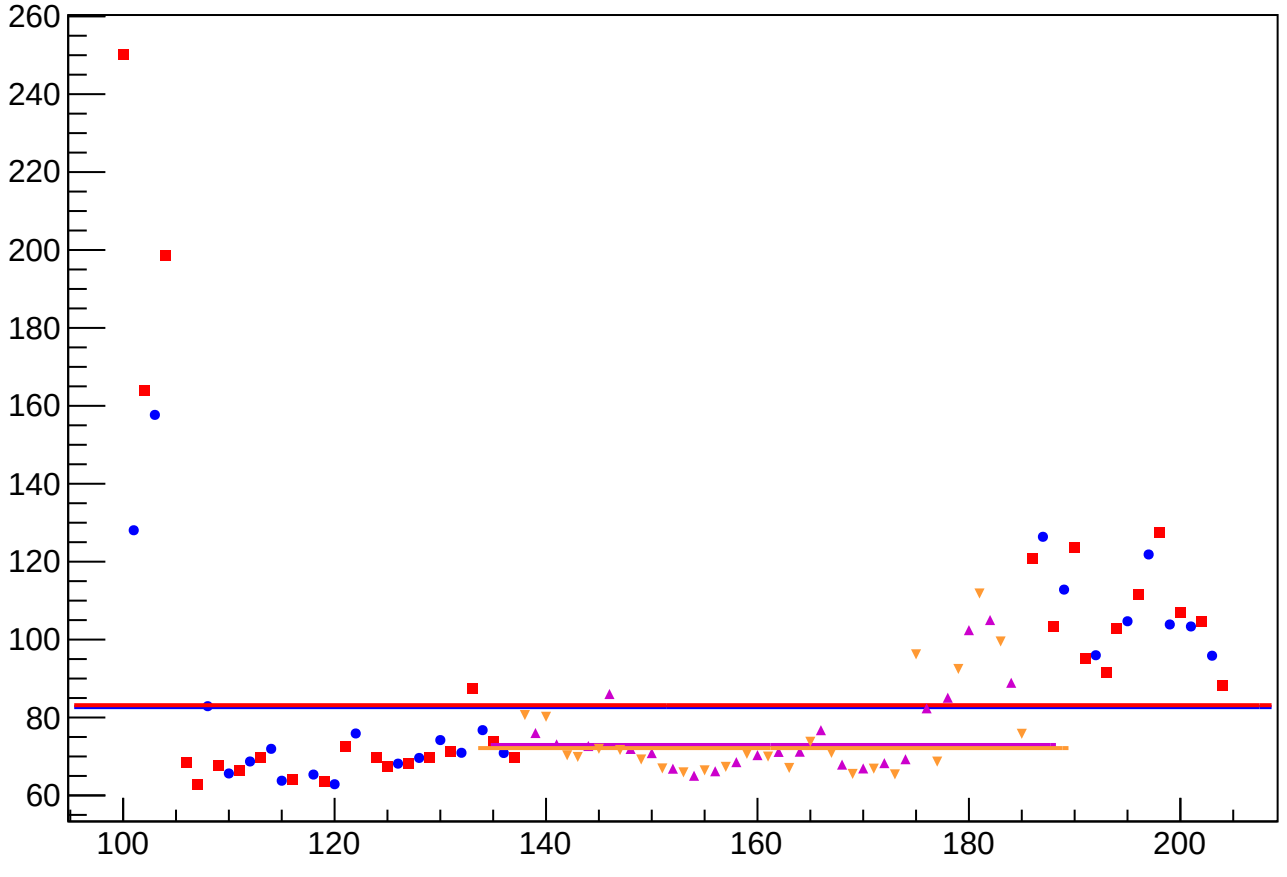
Right: -62.045+/-16.074 χ^2/NDF: 66.4/53

In: 44.947+/-13.911 χ^2/NDF:73.5/46

Out: 41.808+/-13.271 χ^2/NDF:120.0/54

All: 43.304+/-9.603 χ^2/NDF: 193.6/101

eigen_dit_asym_sam7_rms vs Slug, Sign Corrected



Right In: 82.664+/-0.017 χ^2/NDF: 1443837.2/23

Left Out: 72.150+/-0.012 χ^2/NDF:641967.4/24

Right Out: 83.161+/-0.016 χ^2/NDF: 2071214.5/29

Left In: 72.948+/-0.012 χ^2/NDF:509028.7/22

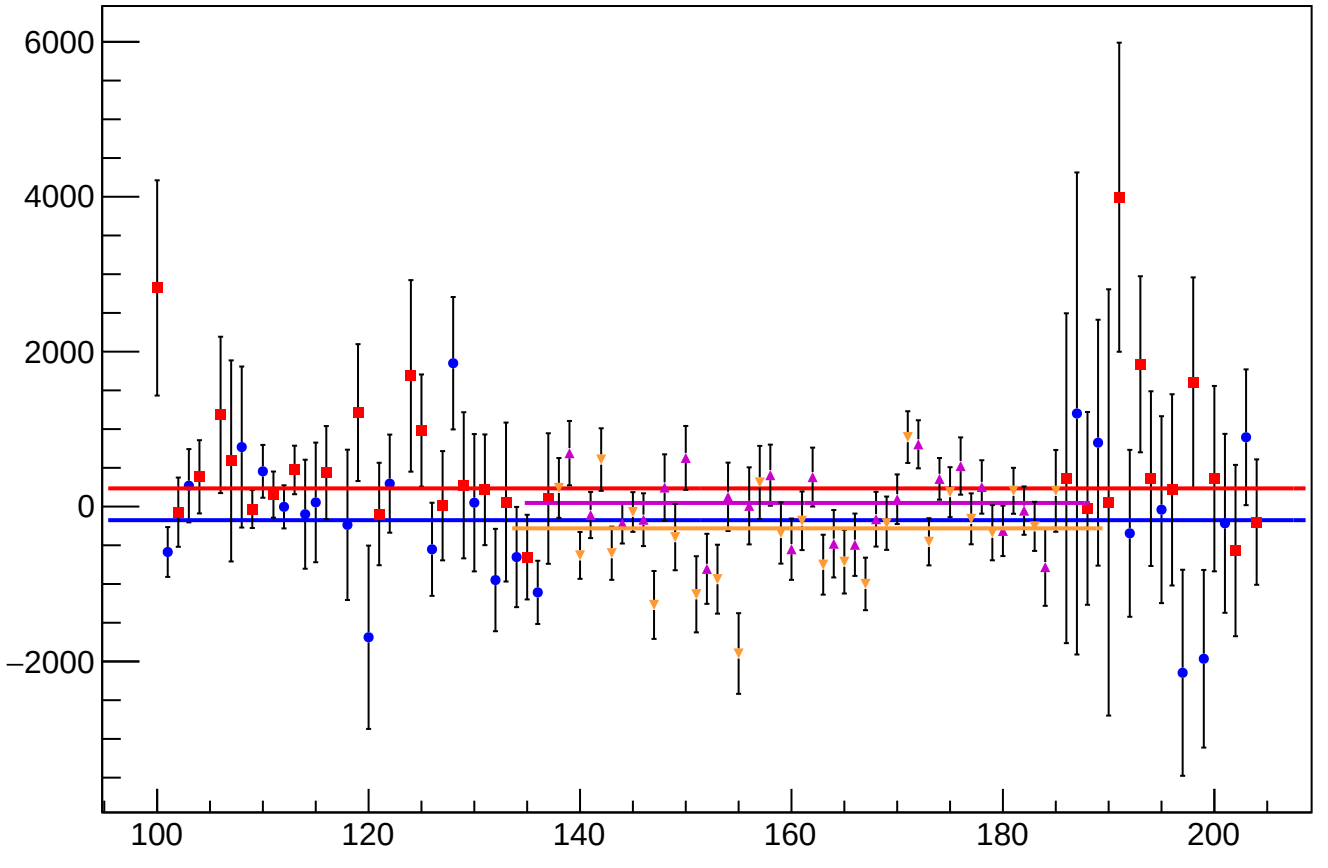
Left: 72.534+/-0.008 χ^2/NDF: 1153216.9/47

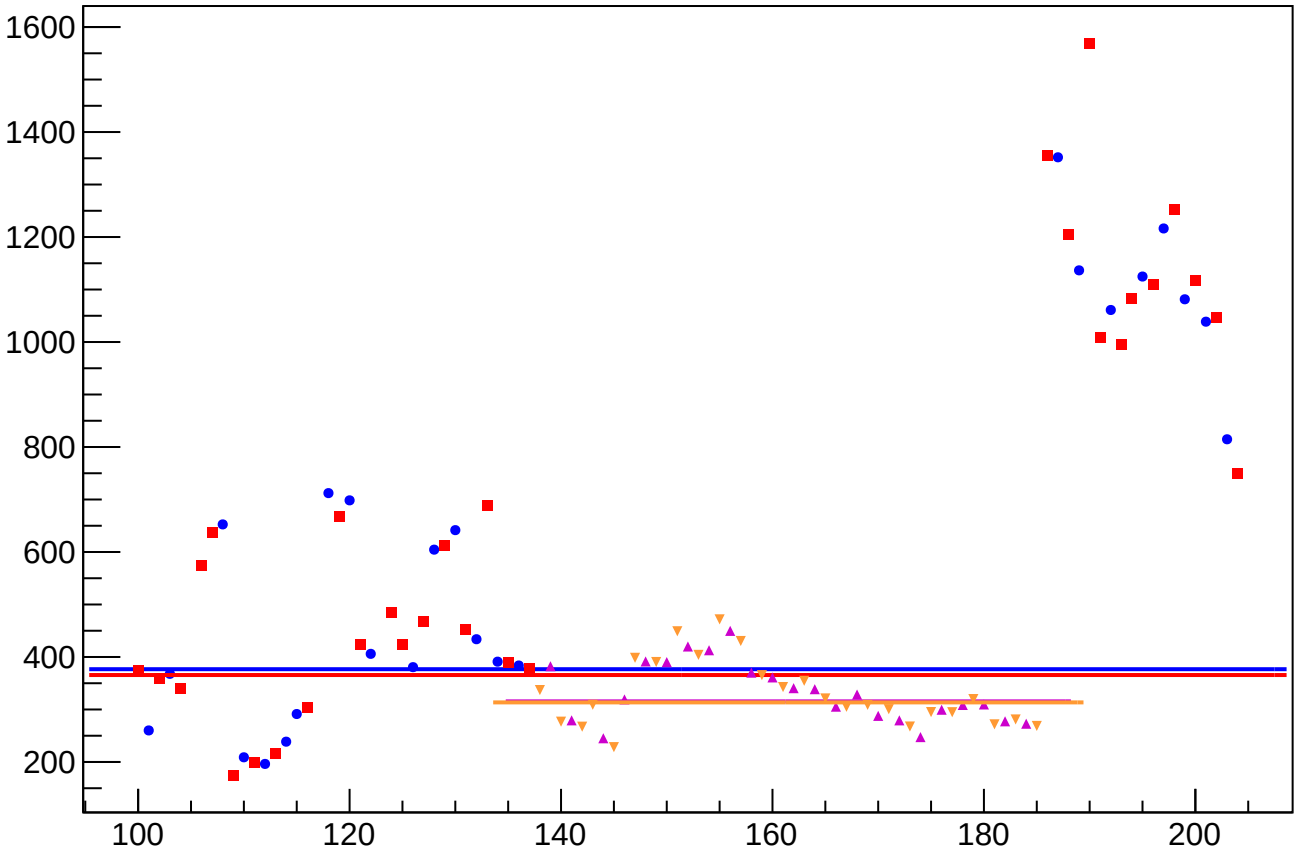
Right: 82.929+/-0.011 χ^2/NDF: 3515527.9/53

In: 76.353+/-0.010 χ^2/NDF:2174918.8/46

Out: 76.144+/-0.009 χ^2/NDF:3031456.1/54

All: 76.243+/-0.007 χ^2/NDF: 5206610.4/101


asym_sam7_eigen_dit_correction_mean vs Slug, Sign Corrected
6000
4000
2000
0
−2000
100
120
140
160
180
200
Right In: -175.813+/-123.049 χ²/NDF: 29.4/23
Left Out: -281.205+/-72.538 χ²/NDF:56.8/24
Right Out: 234.598+/-114.445 χ²/NDF: 21.1/29
Left In: 46.569+/-74.897 χ²/NDF:30.7/22
Left: -122.562+/-52.106 χ²/NDF: 97.4/47
Right: 44.243+/-83.802 χ²/NDF: 56.4/53
In: -13.548+/-63.978 χ²/NDF:62.5/46
Out: -133.377+/-61.268 χ²/NDF:92.4/54
All: -76.054+/-44.250 χ²/NDF: 156.7/101



Right In: 376.743+/-0.087 χ^2/NDF: 7496949.4/23

Left Out: 313.500+/-0.051 χ^2/NDF:1175534.8/24

Right Out: 365.629+/-0.081 χ^2/NDF: 10119994.3/29

Left In: 315.456+/-0.053 χ^2/NDF:1008521.8/22

Left: 314.447+/-0.037 χ^2/NDF: 2184760.0/47

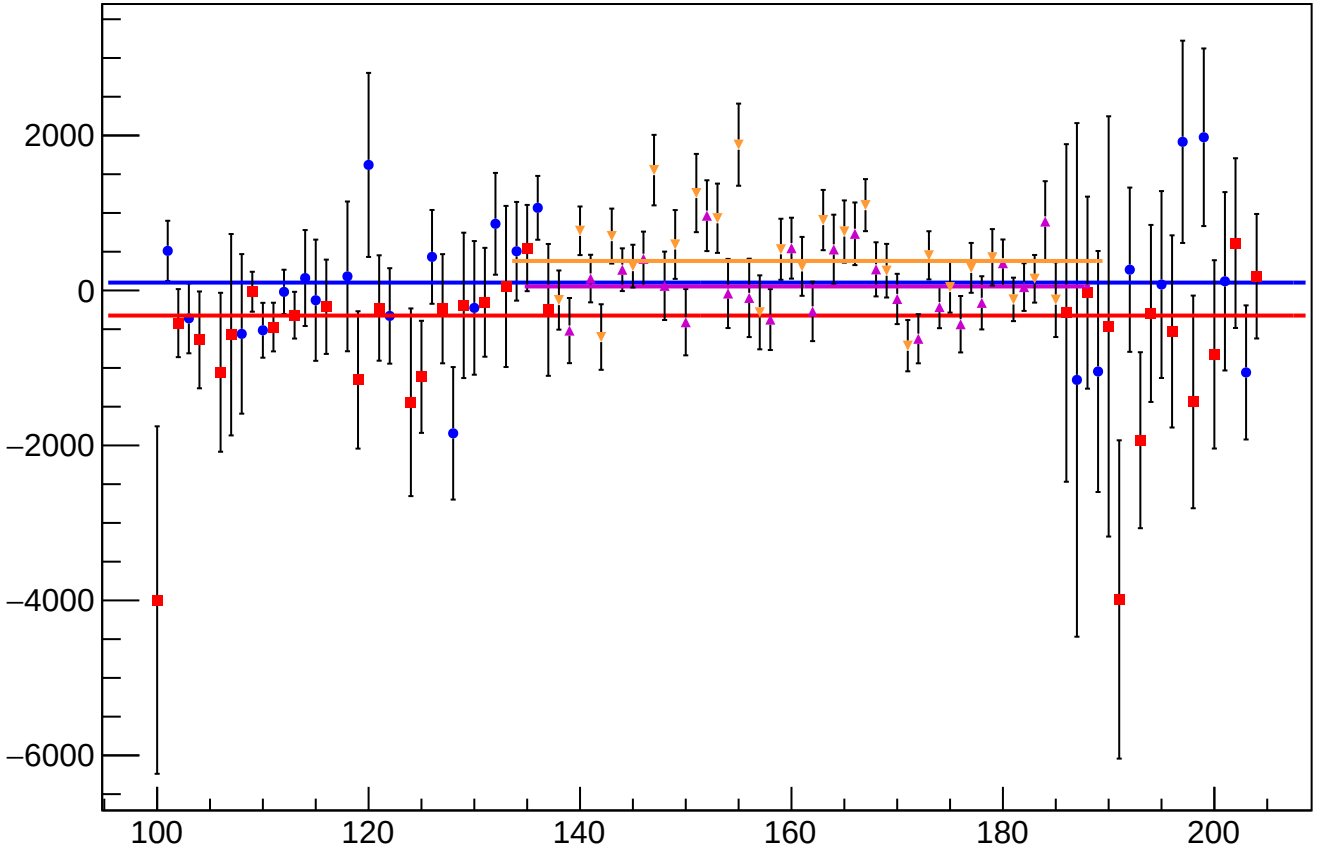
Right: 370.784+/-0.059 χ^2/NDF: 17625691.8/53

In: 332.023+/-0.045 χ^2/NDF:8867497.3/46

Out: 328.440+/-0.043 χ^2/NDF:11591556.2/54

All: 330.154+/-0.031 χ^2/NDF: 20462326.1/10

asym_sam7_mean vs Slug, Sign Corrected



Right In: 101.507+/-126.012 χ^2/NDF: 27.9/23

Left Out: 380.624+/-73.057 χ^2/NDF:55.4/24

Right Out: -323.969+/-117.734 χ^2/NDF: 18.1/29

Left In: 51.474+/-75.629 χ^2/NDF:28.2/22

Left: 221.742+/-52.545 χ^2/NDF: 93.4/47

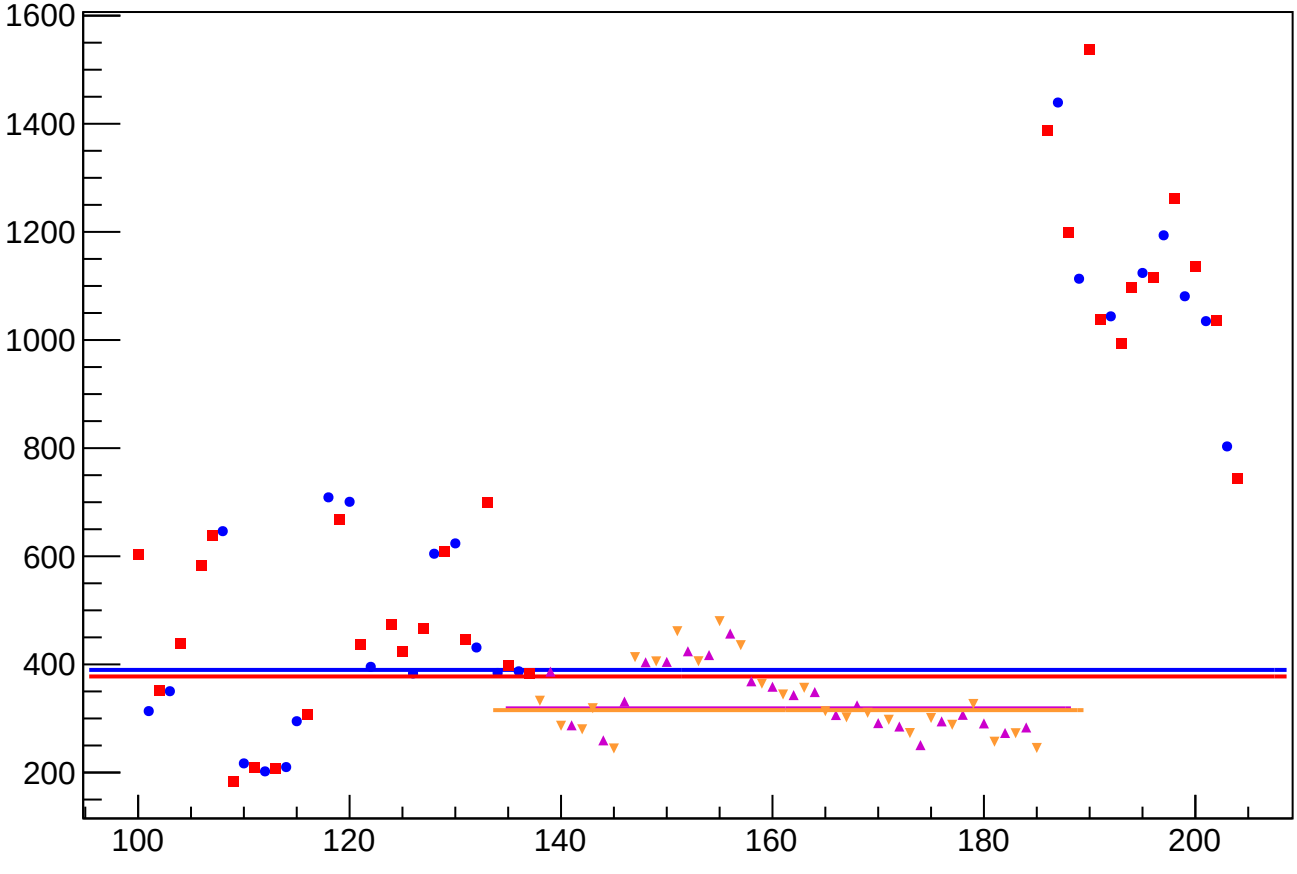
Right: -125.664+/-86.028 χ^2/NDF: 52.1/53

In: 64.724+/-64.847 χ^2/NDF:56.3/46

Out: 184.746+/-62.076 χ^2/NDF:99.4/54

All: 127.353+/-44.842 χ^2/NDF: 157.4/101

asym_sam7_rms vs Slug, Sign Corrected



Right In: 389.808+/-0.089 χ^2/NDF: 7096677.8/23

Left Out: 315.396+/-0.052 χ^2/NDF:1210106.0/24

Right Out: 377.699+/-0.083 χ^2/NDF: 9915252.5/29

Left In: 318.688+/-0.053 χ^2/NDF:991604.7/22

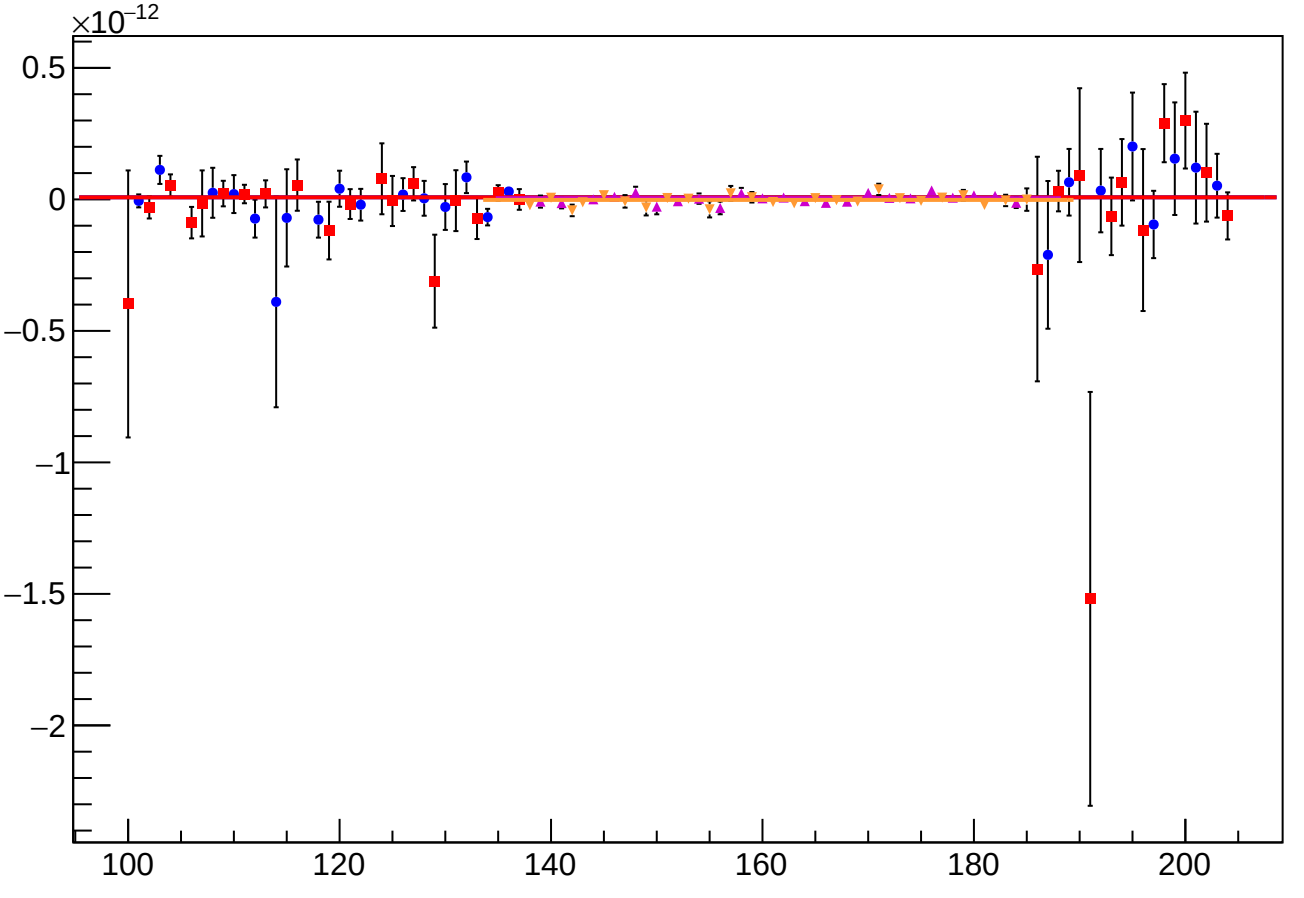
Left: 316.985+/-0.037 χ^2/NDF: 2203671.8/47

Right: 383.343+/-0.061 χ^2/NDF: 17021790.5/53

In: 337.522+/-0.046 χ^2/NDF:8556641.7/46

Out: 332.716+/-0.044 χ^2/NDF:11529735.0/54

All: 335.014+/-0.032 χ^2/NDF: 20092109.2/10



Right In: 0.000+/-0.000 χ^2/NDF: 21.0/23

Left Out: -0.000+/-0.000 χ^2/NDF:19.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 24.7/29

Left In: 0.000+/-0.000 χ^2/NDF:17.7/22

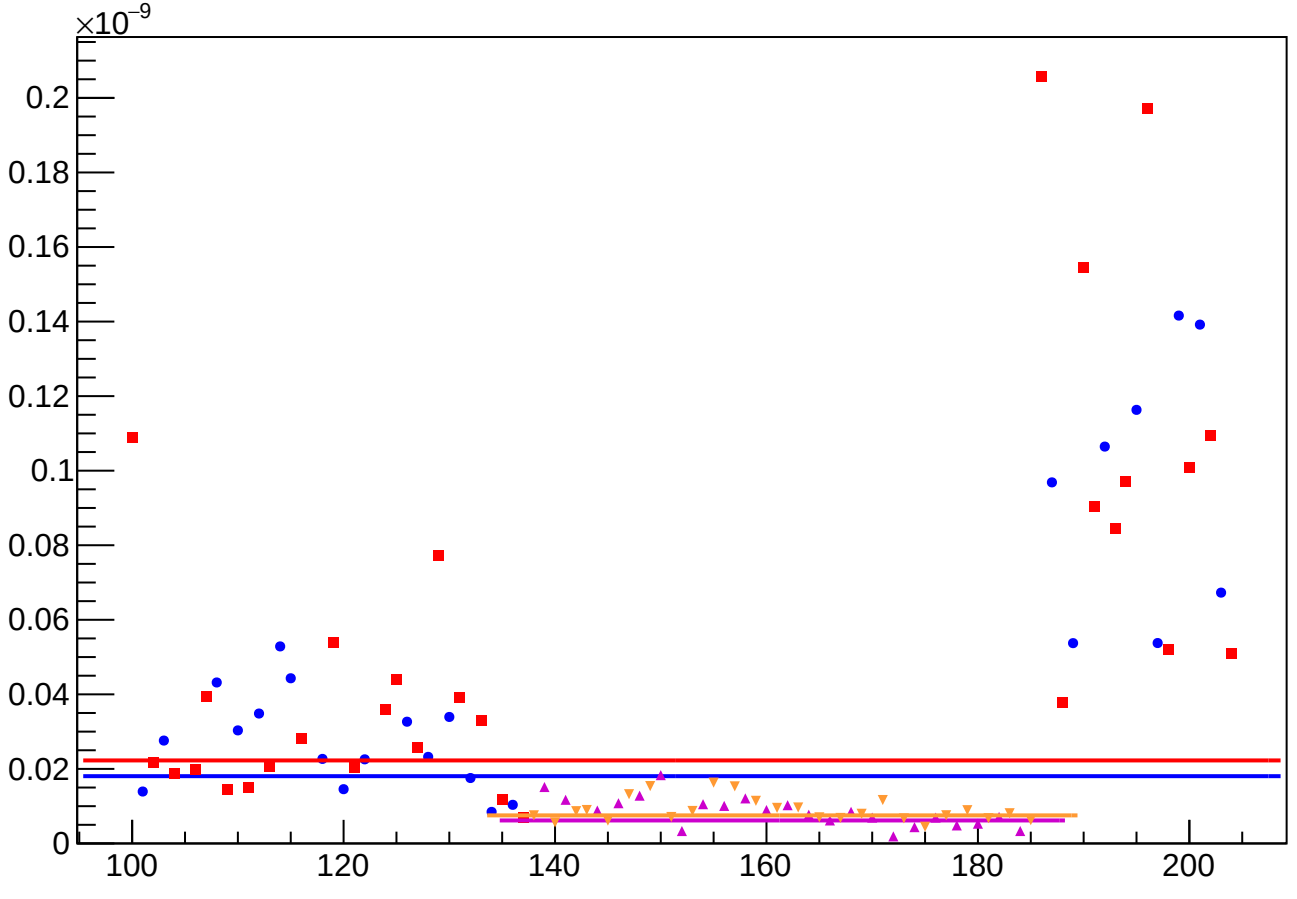
Left: 0.000+/-0.000 χ^2/NDF: 38.8/47

Right: 0.000+/-0.000 χ^2/NDF: 45.7/53

In: 0.000+/-0.000 χ^2/NDF:38.7/46

Out: -0.000+/-0.000 χ^2/NDF:44.3/54

All: 0.000+/-0.000 χ^2/NDF: 85.1/101



Right In: 0.000+/-0.000 χ^2/NDF: 4458894.6/23

Left Out: 0.000+/-0.000 χ^2/NDF:1208953.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4686936.7/29

Left In: 0.000+/-0.000 χ^2/NDF:2784673.9/22

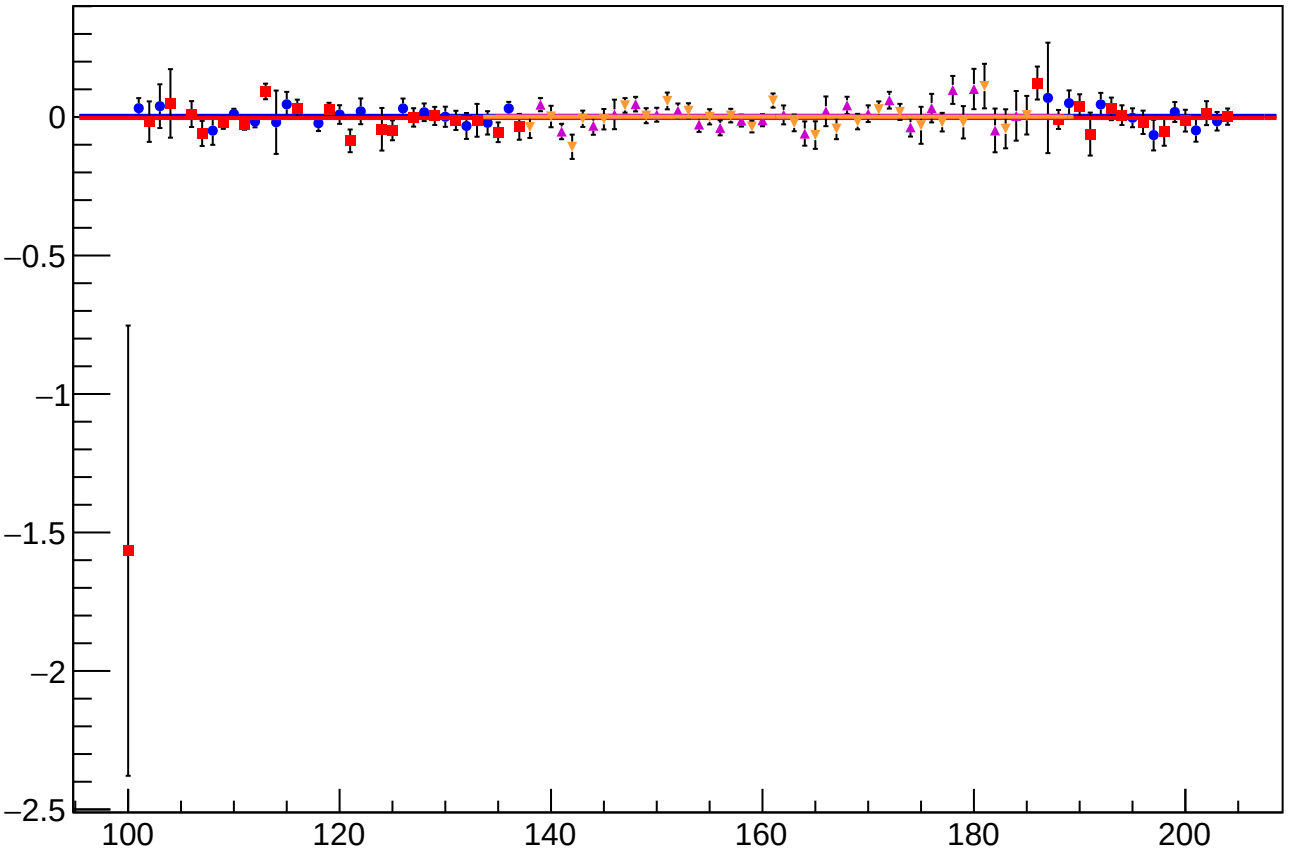
Left: 0.000+/-0.000 χ^2/NDF: 4183311.6/47

Right: 0.000+/-0.000 χ^2/NDF: 9279100.5/53

In: 0.000+/-0.000 χ^2/NDF:9506632.7/46

Out: 0.000+/-0.000 χ^2/NDF:8570290.0/54

All: 0.000+/-0.000 χ^2/NDF: 18304810.8/101



Right In: 0.004+/-0.007 χ^2/NDF: 13.7/23

Left Out: 0.001+/-0.006 χ^2/NDF:30.3/24

Right Out: -0.004+/-0.007 χ^2/NDF: 38.1/29

Left In: 0.004+/-0.007 χ^2/NDF:31.1/22

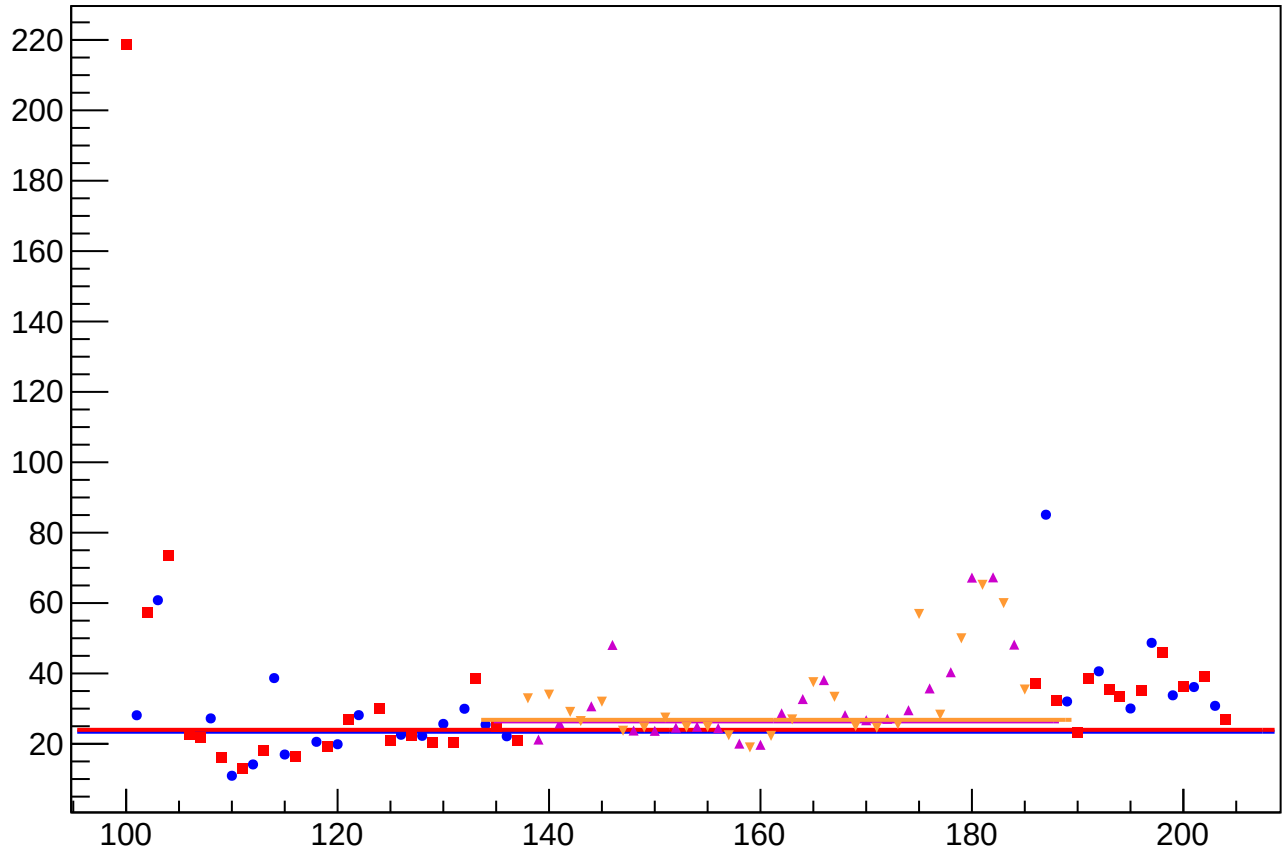
Left: 0.003+/-0.005 χ^2/NDF: 61.5/47

Right: 0.000+/-0.005 χ^2/NDF: 52.5/53

In: 0.004+/-0.005 χ^2/NDF:44.9/46

Out: -0.001+/-0.005 χ^2/NDF:68.7/54

All: 0.001+/-0.003 χ^2/NDF: 114.2/101



Right In: 23.441+/-0.005 χ^2/NDF: 3542840.9/23

Left Out: 26.820+/-0.005 χ^2/NDF:2469807.6/24

Right Out: 23.983+/-0.005 χ^2/NDF: 3770206.4/29

Left In: 26.376+/-0.005 χ^2/NDF:2566400.7/22

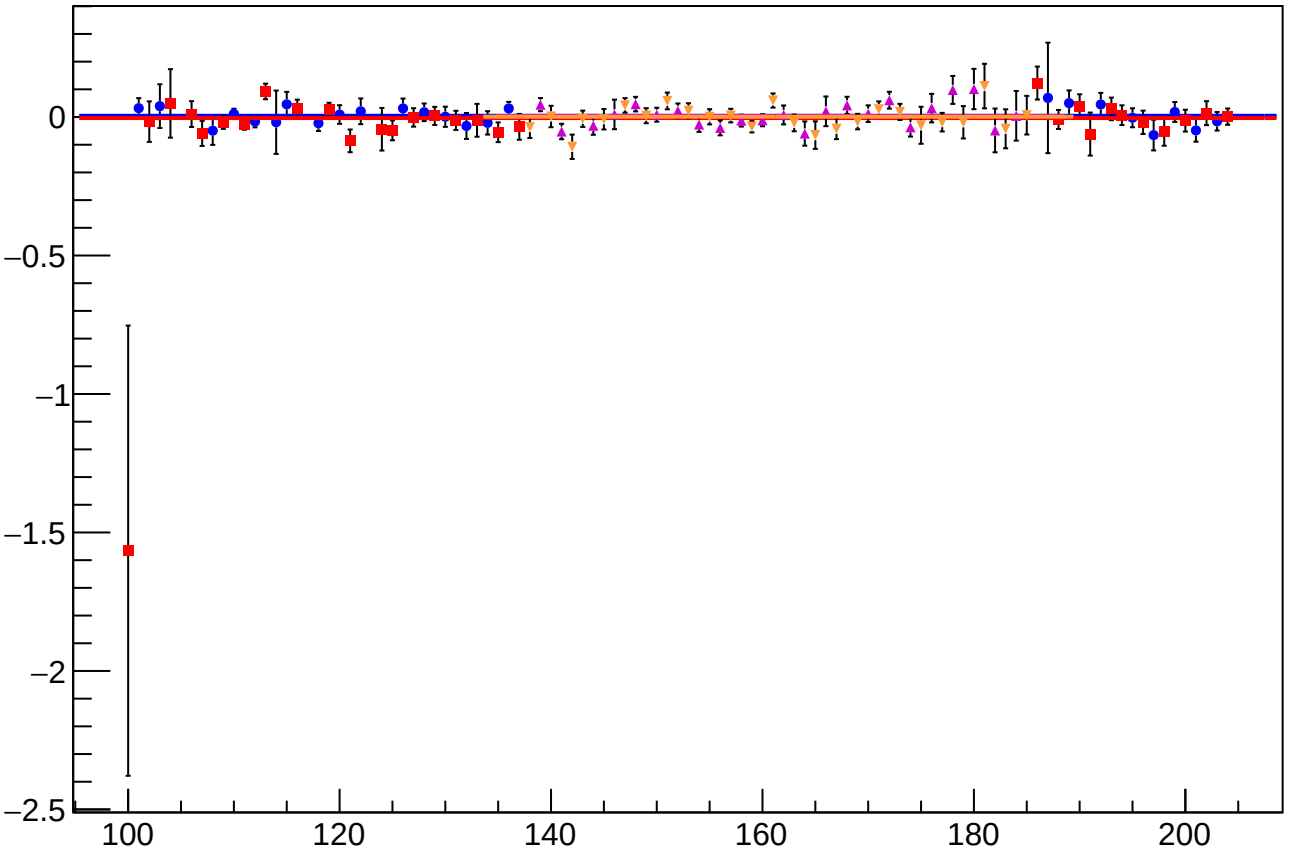
Left: 26.602+/-0.003 χ^2/NDF: 5040807.2/47

Right: 23.727+/-0.003 χ^2/NDF: 7319086.5/53

In: 25.027+/-0.003 χ^2/NDF:6290880.4/46

Out: 25.462+/-0.003 χ^2/NDF:6422745.1/54

All: 25.252+/-0.002 χ^2/NDF: 12721935.1/101



Right In: 0.004+/-0.007 χ^2/NDF: 13.7/23

Left Out: 0.001+/-0.006 χ^2/NDF:30.3/24

Right Out: -0.004+/-0.007 χ^2/NDF: 38.1/29

Left In: 0.004+/-0.007 χ^2/NDF:31.1/22

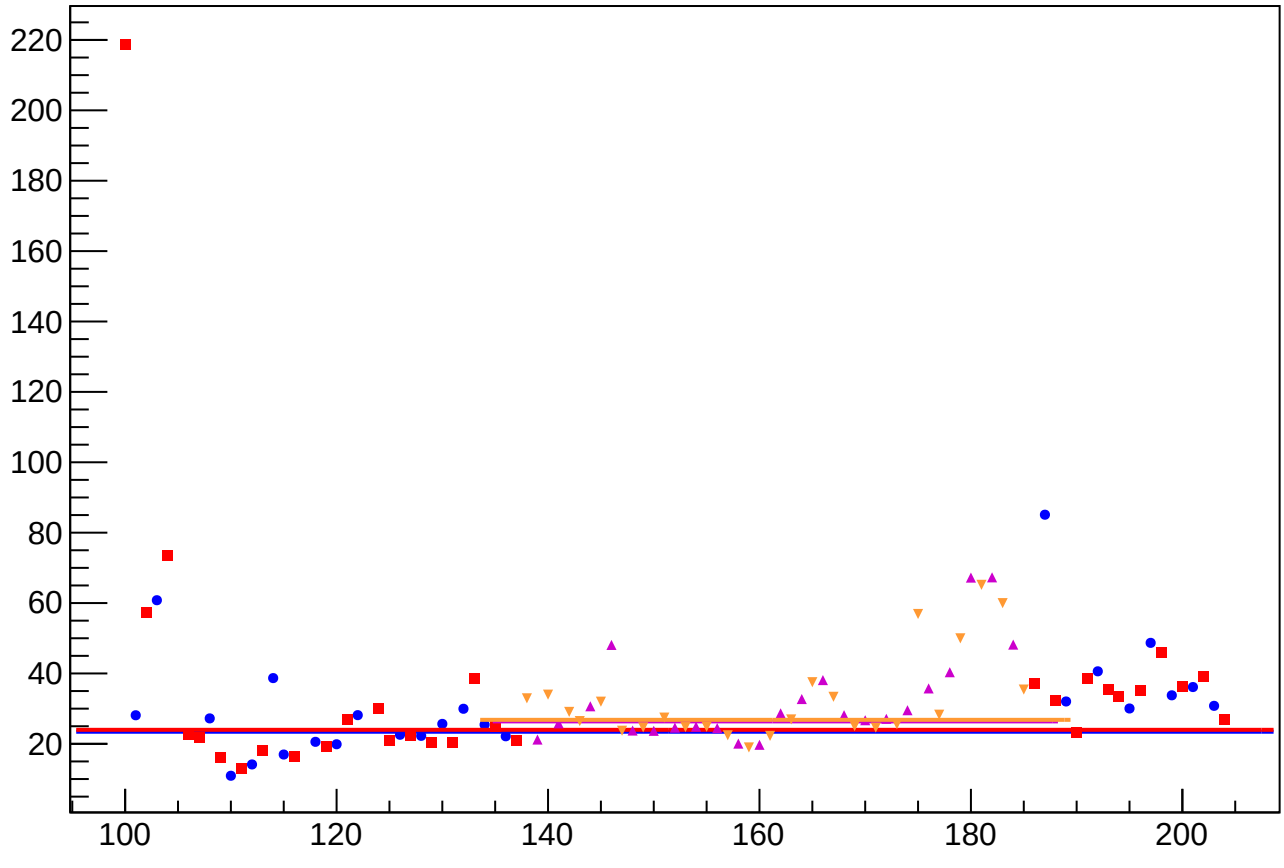
Left: 0.003+/-0.005 χ^2/NDF: 61.5/47

Right: 0.000+/-0.005 χ^2/NDF: 52.5/53

In: 0.004+/-0.005 χ^2/NDF:44.9/46

Out: -0.001+/-0.005 χ^2/NDF:68.7/54

All: 0.001+/-0.003 χ^2/NDF: 114.2/101



Right In: 23.441+/-0.005 χ^2/NDF: 3542840.9/23

Left Out: 26.820+/-0.005 χ^2/NDF:2469807.6/24

Right Out: 23.983+/-0.005 χ^2/NDF: 3770206.4/29

Left In: 26.376+/-0.005 χ^2/NDF:2566400.7/22

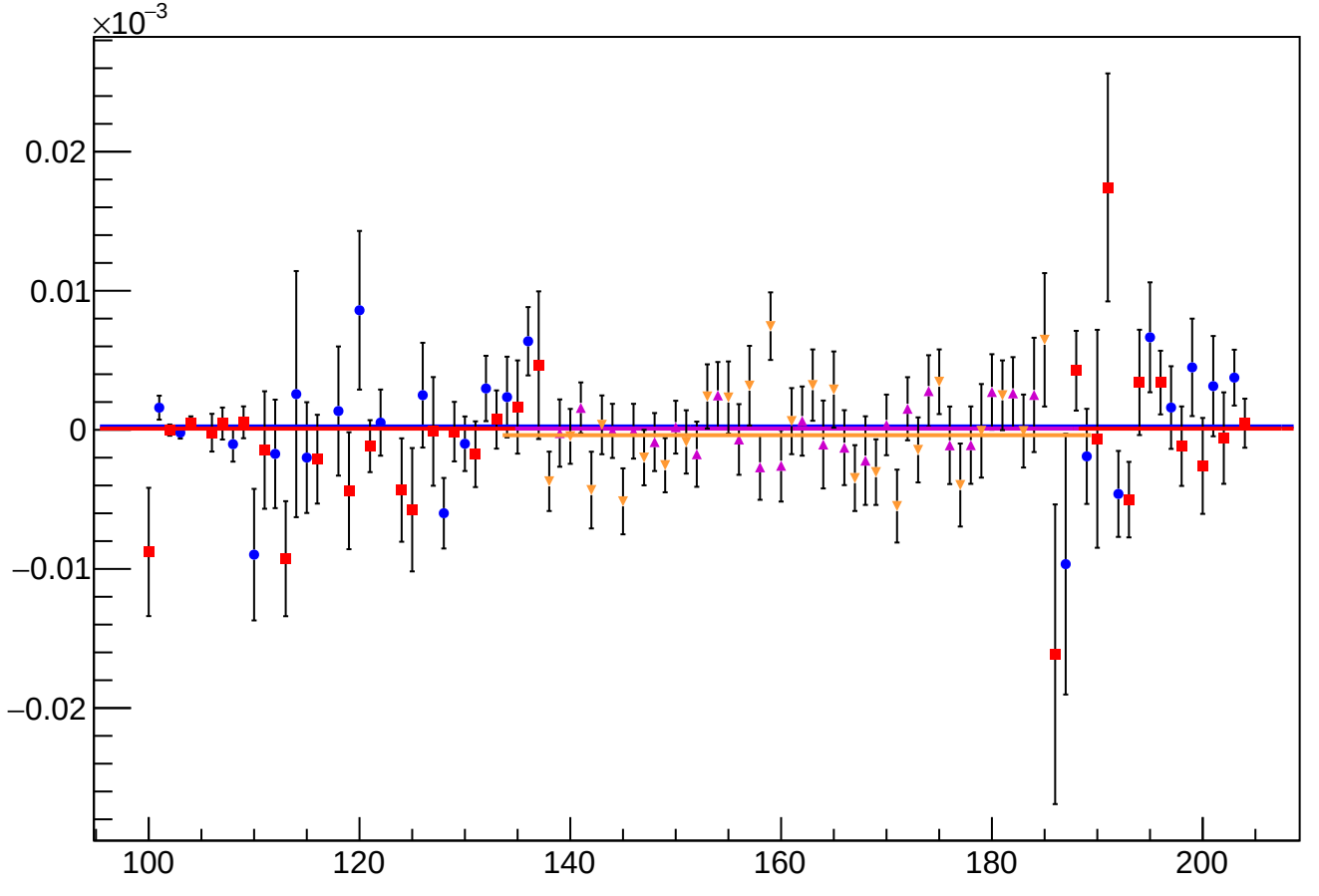
Left: 26.602+/-0.003 χ^2/NDF: 5040807.2/47

Right: 23.727+/-0.003 χ^2/NDF: 7319086.5/53

In: 25.027+/-0.003 χ^2/NDF:6290880.4/46

Out: 25.462+/-0.003 χ^2/NDF:6422745.1/54

All: 25.252+/-0.002 χ^2/NDF: 12721935.1/101



Right In: 0.000+/-0.000 χ^2/NDF: 38.2/23

Left Out: -0.000+/-0.000 χ^2/NDF:43.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 33.3/29

Left In: 0.000+/-0.000 χ^2/NDF:10.2/22

Left: -0.000+/-0.000 χ^2/NDF: 53.8/47

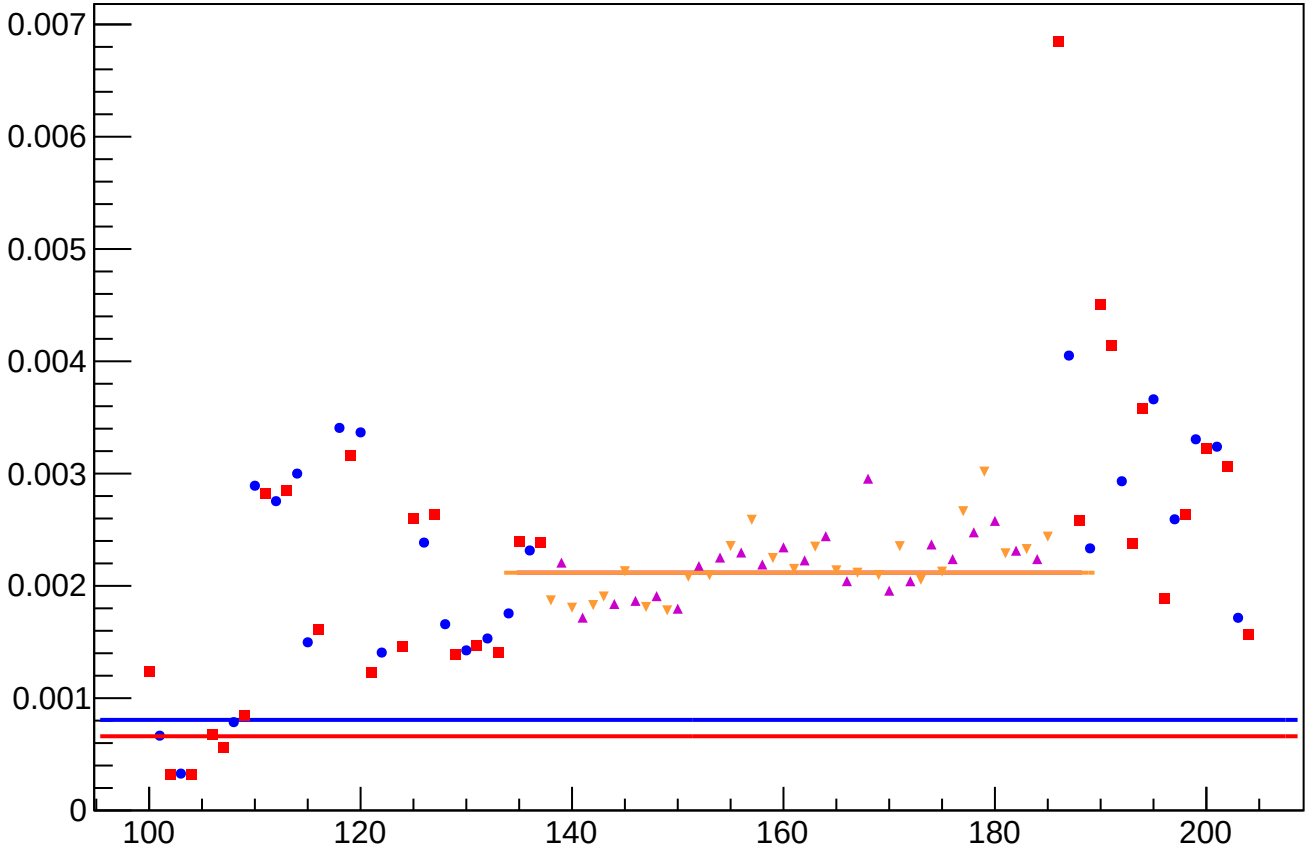
Right: 0.000+/-0.000 χ^2/NDF: 71.6/53

In: 0.000+/-0.000 χ^2/NDF:48.4/46

Out: -0.000+/-0.000 χ^2/NDF:77.1/54

All: 0.000+/-0.000 χ^2/NDF: 125.9/101

asym_sam7_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 12478953.4/23

Left Out: 0.002+/-0.000 χ^2/NDF:578720.8/24

Right Out: 0.001+/-0.000 χ^2/NDF: 15858658.5/29

Left In: 0.002+/-0.000 χ^2/NDF:588580.3/22

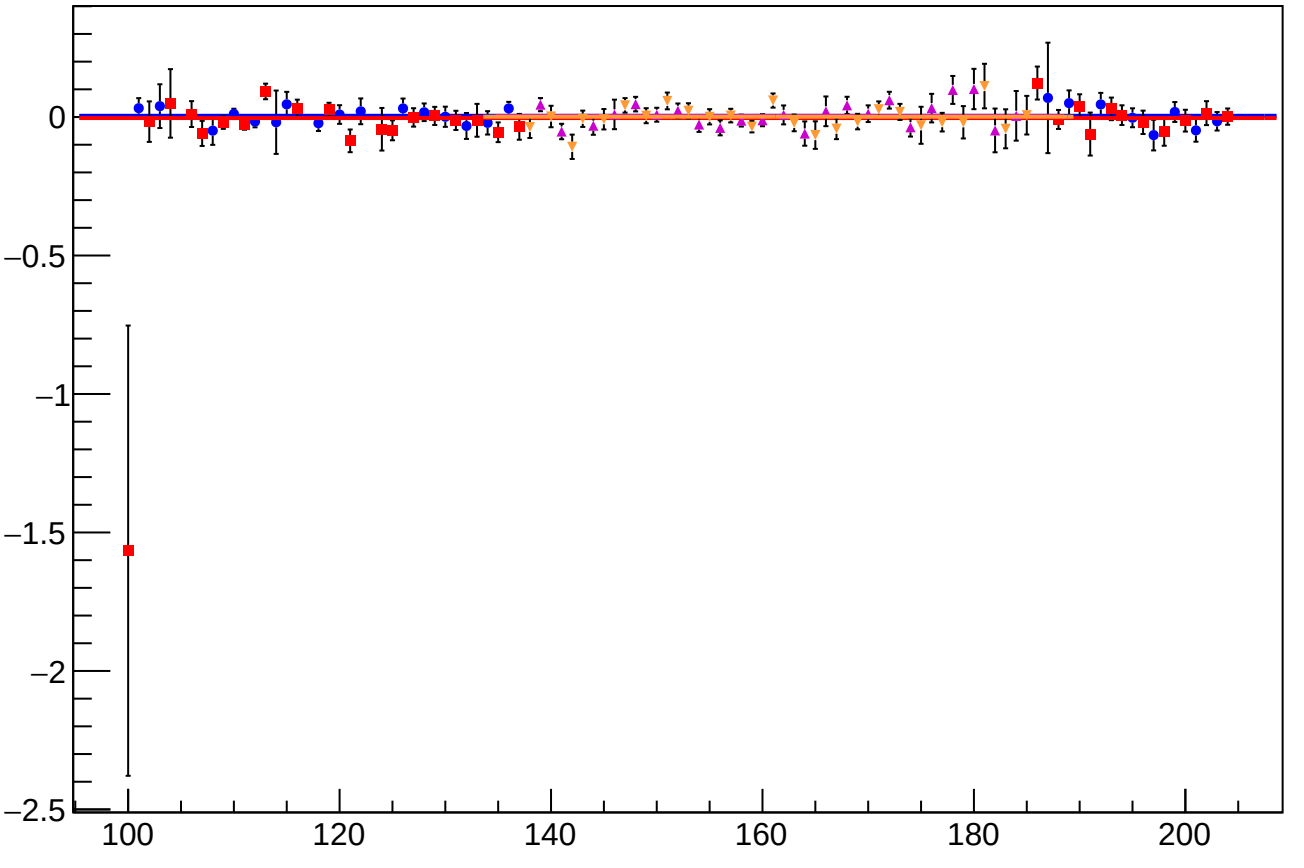
Left: 0.002+/-0.000 χ^2/NDF: 1167305.8/47

Right: 0.001+/-0.000 χ^2/NDF: 28595521.0/53

In: 0.001+/-0.000 χ^2/NDF:22830681.5/46

Out: 0.001+/-0.000 χ^2/NDF:30611798.3/54

All: 0.001+/-0.000 χ^2/NDF: 54242437.6/101



Right In: 0.004+/-0.007 χ^2/NDF: 13.7/23

Left Out: 0.001+/-0.006 χ^2/NDF:30.3/24

Right Out: -0.004+/-0.007 χ^2/NDF: 38.1/29

Left In: 0.004+/-0.007 χ^2/NDF:31.1/22

Left: 0.003+/-0.005 χ^2/NDF: 61.5/47

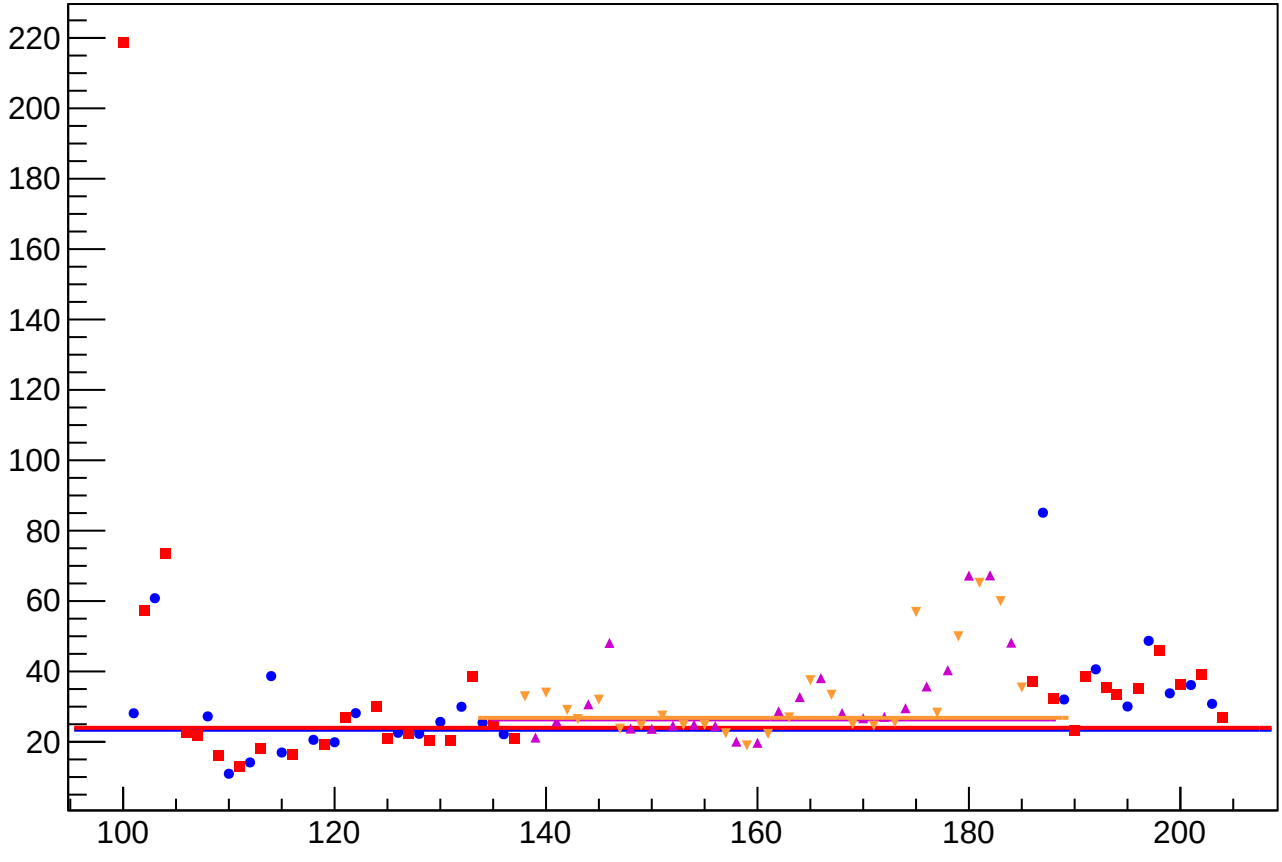
Right: 0.000+/-0.005 χ^2/NDF: 52.5/53

In: 0.004+/-0.005 χ^2/NDF:44.9/46

Out: -0.001+/-0.005 χ^2/NDF:68.7/54

All: 0.001+/-0.003 χ^2/NDF: 114.2/101

asym_sam7_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 23.442+/-0.005 χ^2/NDF: 3542569.7/23

Left Out: 26.820+/-0.005 χ^2/NDF:2469855.0/24

Right Out: 23.983+/-0.005 χ^2/NDF: 3769981.1/29

Left In: 26.376+/-0.005 χ^2/NDF:2566477.5/22

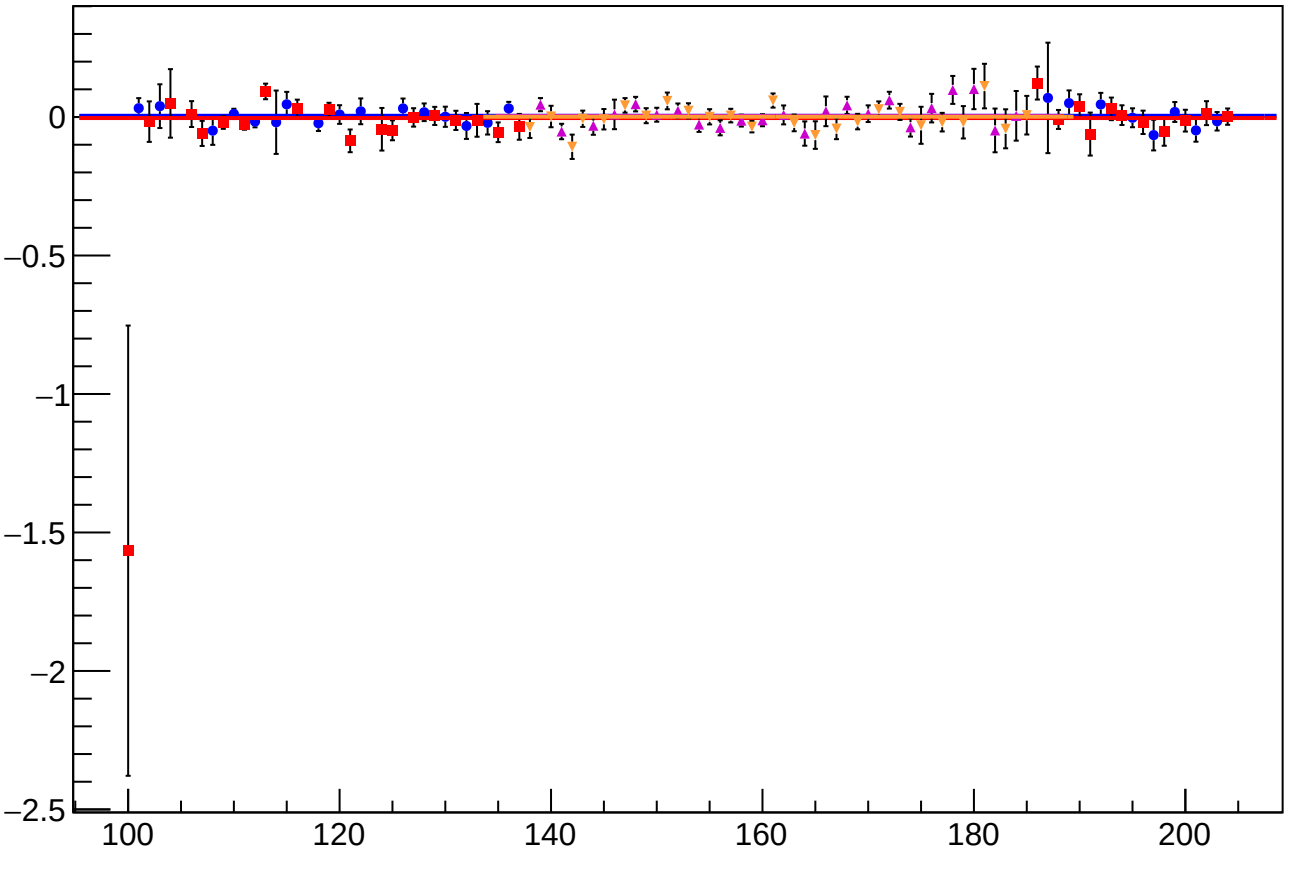
Left: 26.602+/-0.003 χ^2/NDF: 5040932.0/47

Right: 23.727+/-0.003 χ^2/NDF: 7318580.8/53

In: 25.027+/-0.003 χ^2/NDF:6290623.9/46

Out: 25.462+/-0.003 χ^2/NDF:6422562.5/54

All: 25.252+/-0.002 χ^2/NDF: 12721488.7/101



Right In: 0.004+/-0.007 χ^2/NDF: 13.7/23

Left Out: 0.001+/-0.006 χ^2/NDF:30.3/24

Right Out: -0.004+/-0.007 χ^2/NDF: 38.1/29

Left In: 0.004+/-0.007 χ^2/NDF:31.1/22

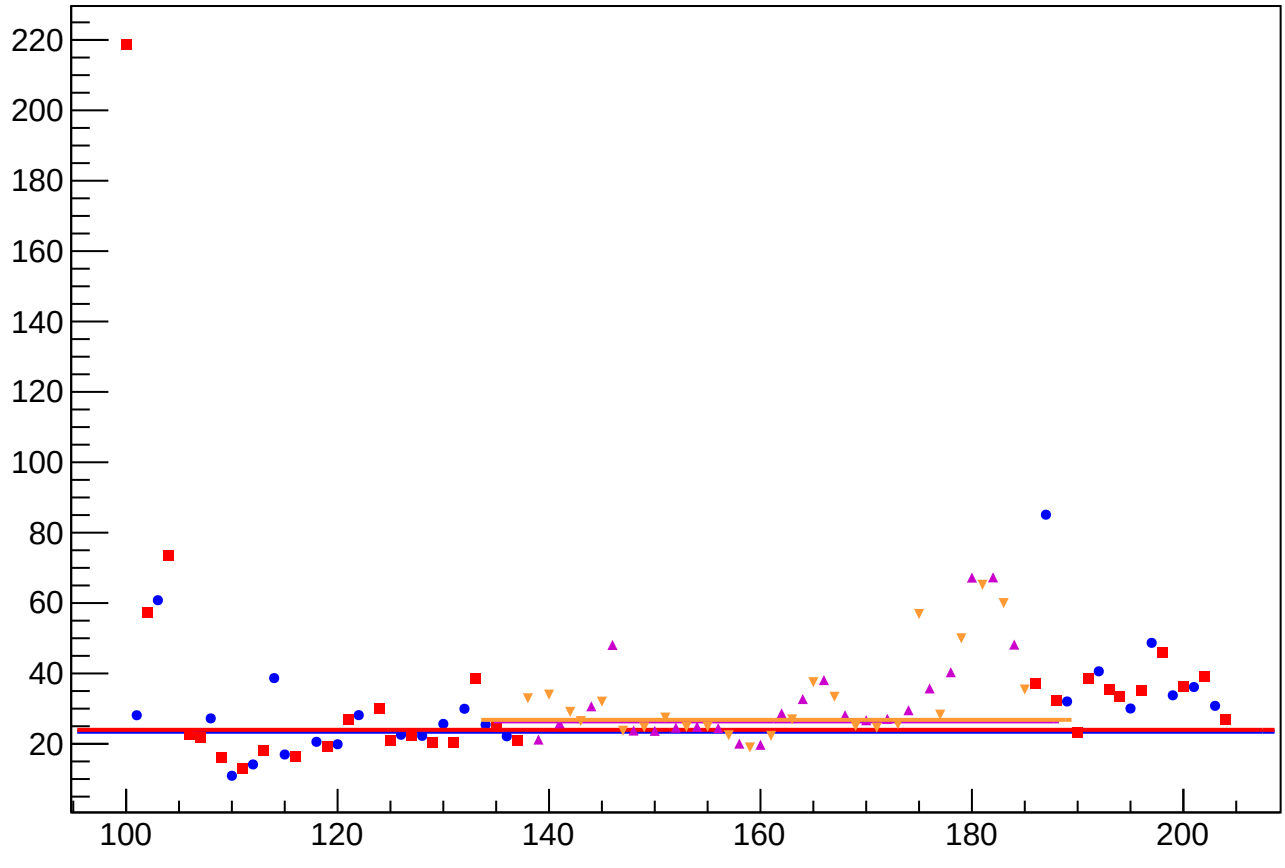
Left: 0.003+/-0.005 χ^2/NDF: 61.5/47

Right: 0.000+/-0.005 χ^2/NDF: 52.5/53

In: 0.004+/-0.005 χ^2/NDF:44.9/46

Out: -0.001+/-0.005 χ^2/NDF:68.7/54

All: 0.001+/-0.003 χ^2/NDF: 114.2/101



Right In: 23.442+/-0.005 χ^2/NDF: 3542569.7/23

Left Out: 26.820+/-0.005 χ^2/NDF:2469855.0/24

Right Out: 23.983+/-0.005 χ^2/NDF: 3769981.1/29

Left In: 26.376+/-0.005 χ^2/NDF:2566477.5/22

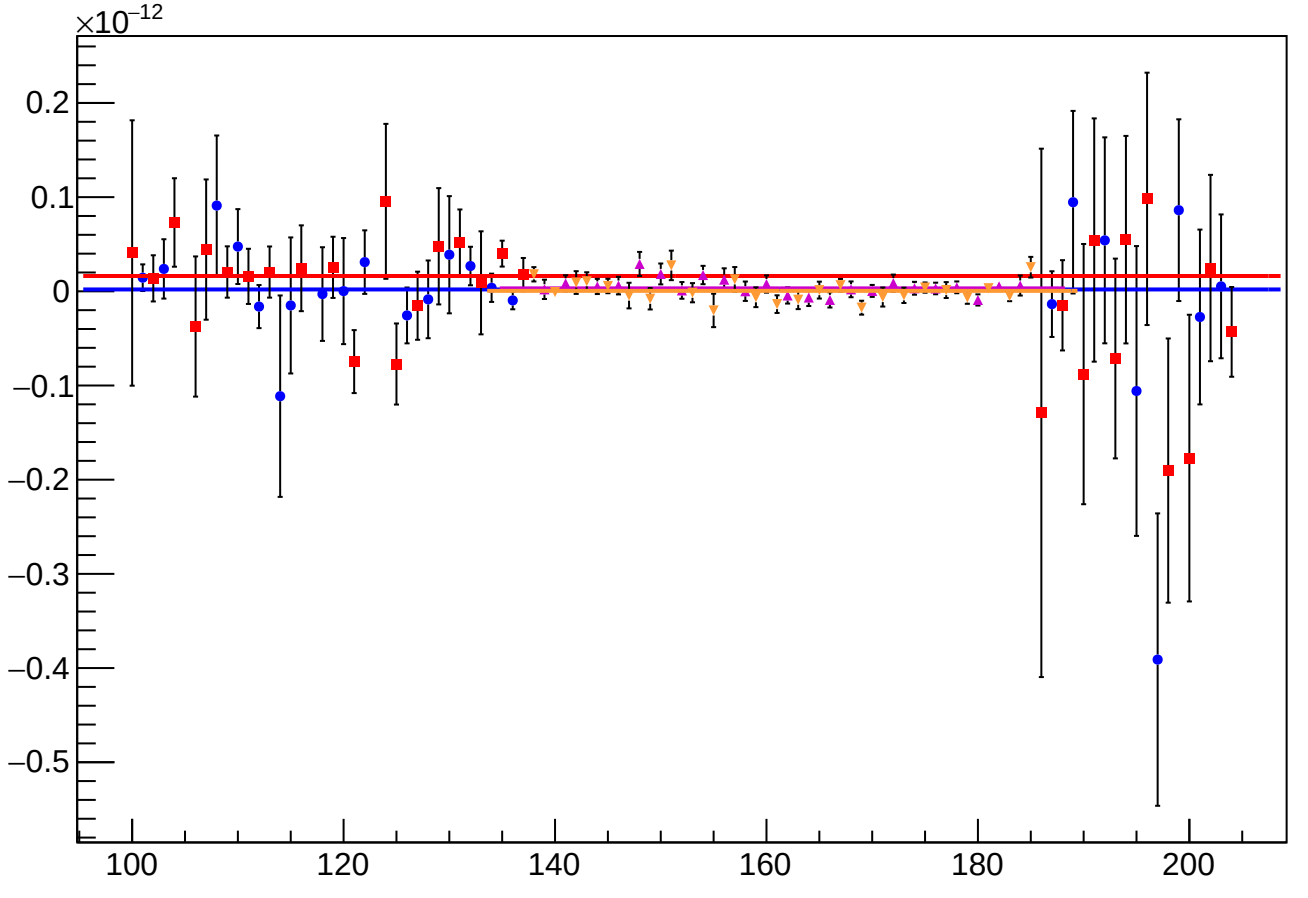
Left: 26.602+/-0.003 χ^2/NDF: 5040932.0/47

Right: 23.727+/-0.003 χ^2/NDF: 7318580.8/53

In: 25.027+/-0.003 χ^2/NDF:6290623.9/46

Out: 25.462+/-0.003 χ^2/NDF:6422562.5/54

All: 25.252+/-0.002 χ^2/NDF: 12721488.7/101



Right In: 0.000+/-0.000 χ^2/NDF: 20.0/23

Left Out: 0.000+/-0.000 χ^2/NDF:32.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 28.3/29

Left In: 0.000+/-0.000 χ^2/NDF:19.1/22

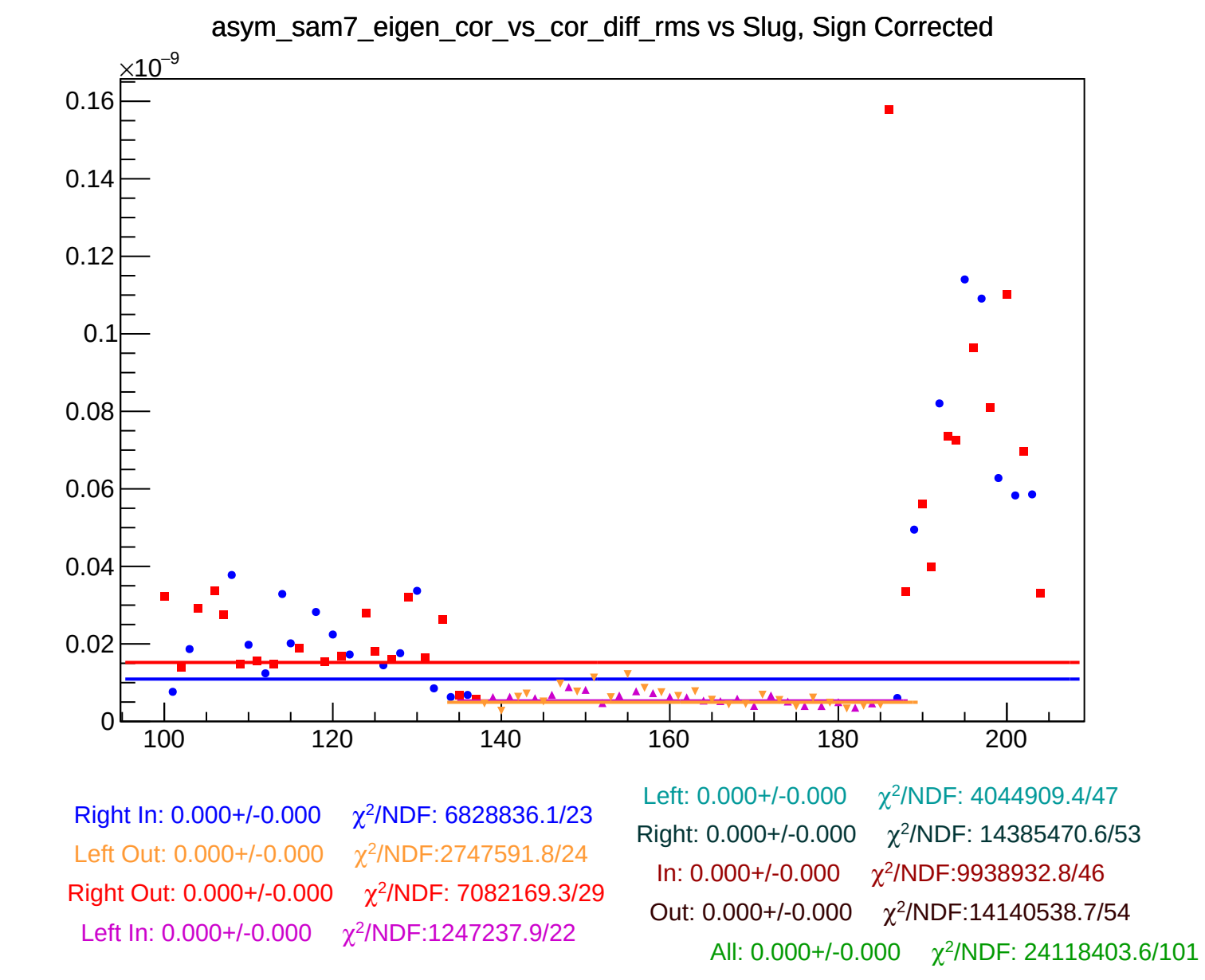
Left: 0.000+/-0.000 χ^2/NDF: 53.0/47

Right: 0.000+/-0.000 χ^2/NDF: 50.9/53

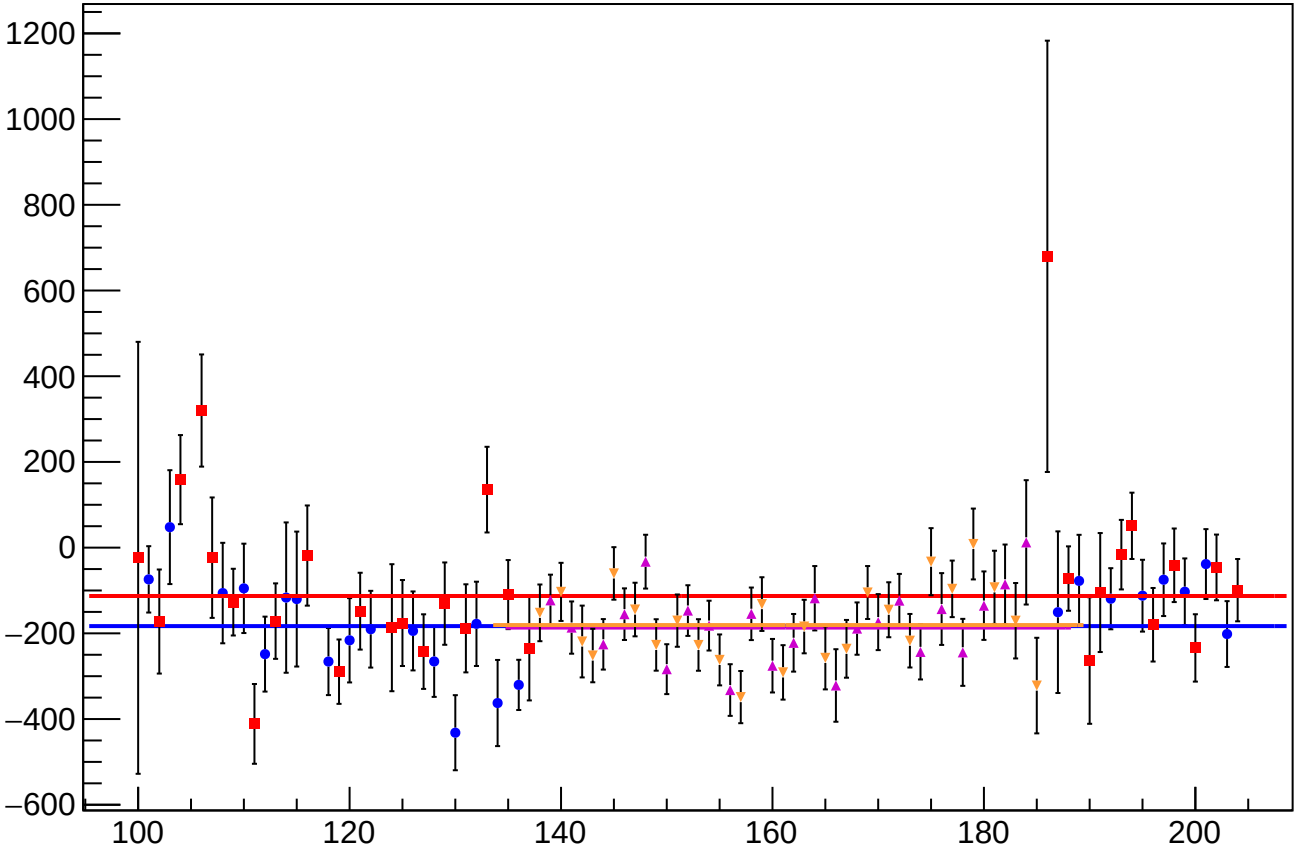
In: 0.000+/-0.000 χ^2/NDF:39.1/46

Out: 0.000+/-0.000 χ^2/NDF:66.0/54

All: 0.000+/-0.000 χ^2/NDF: 105.7/101


asym_sam7_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
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 6828836.1/23
Left Out: 0.000+/-0.000 χ²/NDF:2747591.8/24
Right Out: 0.000+/-0.000 χ²/NDF: 7082169.3/29
Left In: 0.000+/-0.000 χ²/NDF:1247237.9/22
Left: 0.000+/-0.000 χ²/NDF: 4044909.4/47
Right: 0.000+/-0.000 χ²/NDF: 14385470.6/53
In: 0.000+/-0.000 χ²/NDF:9938932.8/46
Out: 0.000+/-0.000 χ²/NDF:14140538.7/54
All: 0.000+/-0.000 χ²/NDF: 24118403.6/101

reg_asym_sam8_mean vs Slug, Sign Corrected



Right In: -183.109+/-18.413 χ^2/NDF: 34.4/23

Left Out: -180.685+/-13.419 χ^2/NDF:38.6/24

Right Out: -112.848+/-17.543 χ^2/NDF: 60.3/29

Left In: -186.567+/-13.860 χ^2/NDF:29.0/22

Left: -183.531+/-9.641 χ^2/NDF: 67.7/47

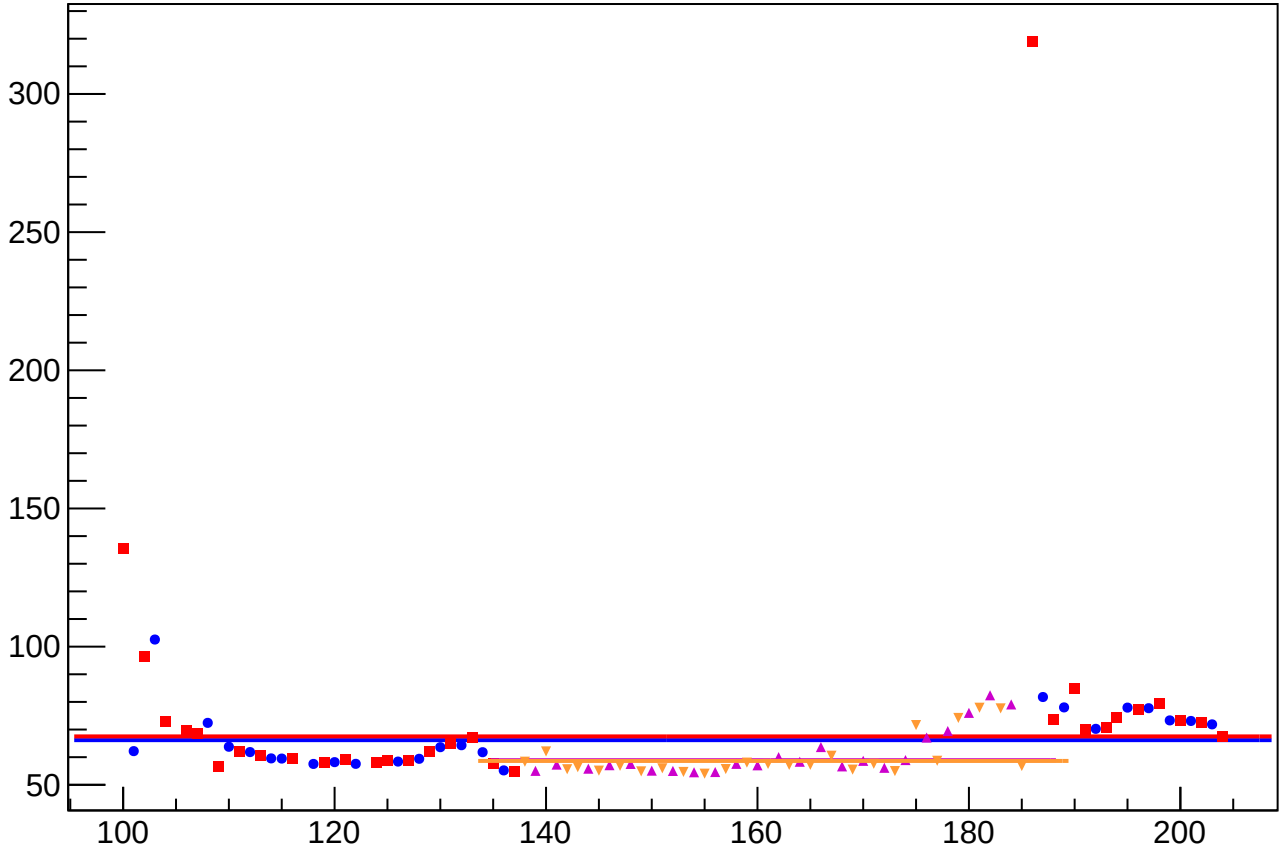
Right: -146.279+/-12.701 χ^2/NDF: 102.4/53

In: -185.316+/-11.073 χ^2/NDF:63.4/46

Out: -155.645+/-10.658 χ^2/NDF:108.4/54

All: -169.914+/-7.679 χ^2/NDF: 175.5/101

reg_asym_sam8_rms vs Slug, Sign Corrected



Right In: 66.164+/-0.013 χ^2/NDF: 496345.5/23

Left Out: 58.644+/-0.009 χ^2/NDF:393880.8/24

Right Out: 67.517+/-0.012 χ^2/NDF: 1018375.6/29

Left In: 58.906+/-0.010 χ^2/NDF:386820.4/22

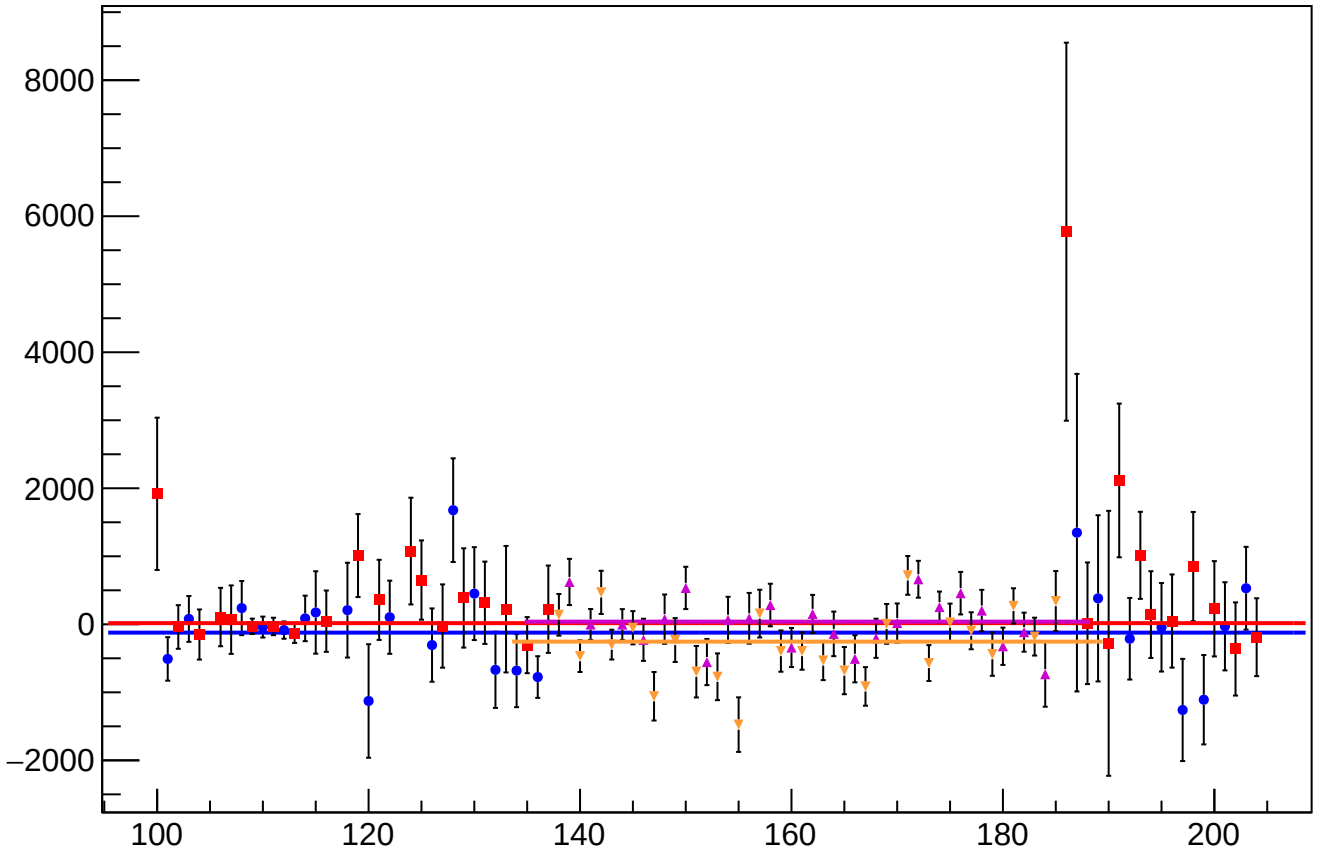
Left: 58.771+/-0.007 χ^2/NDF: 781070.9/47

Right: 66.873+/-0.009 χ^2/NDF: 1520382.6/53

In: 61.531+/-0.008 χ^2/NDF:1081500.4/46

Out: 61.919+/-0.008 χ^2/NDF:1735042.1/54

All: 61.732+/-0.005 χ^2/NDF: 2817817.7/101



Right In: -122.208+/-73.063 χ^2/NDF: 24.8/23

Left Out: -254.628+/-58.877 χ^2/NDF:57.6/24

Right Out: 17.166+/-61.676 χ^2/NDF: 23.6/29

Left In: 39.147+/-61.883 χ^2/NDF:28.3/22

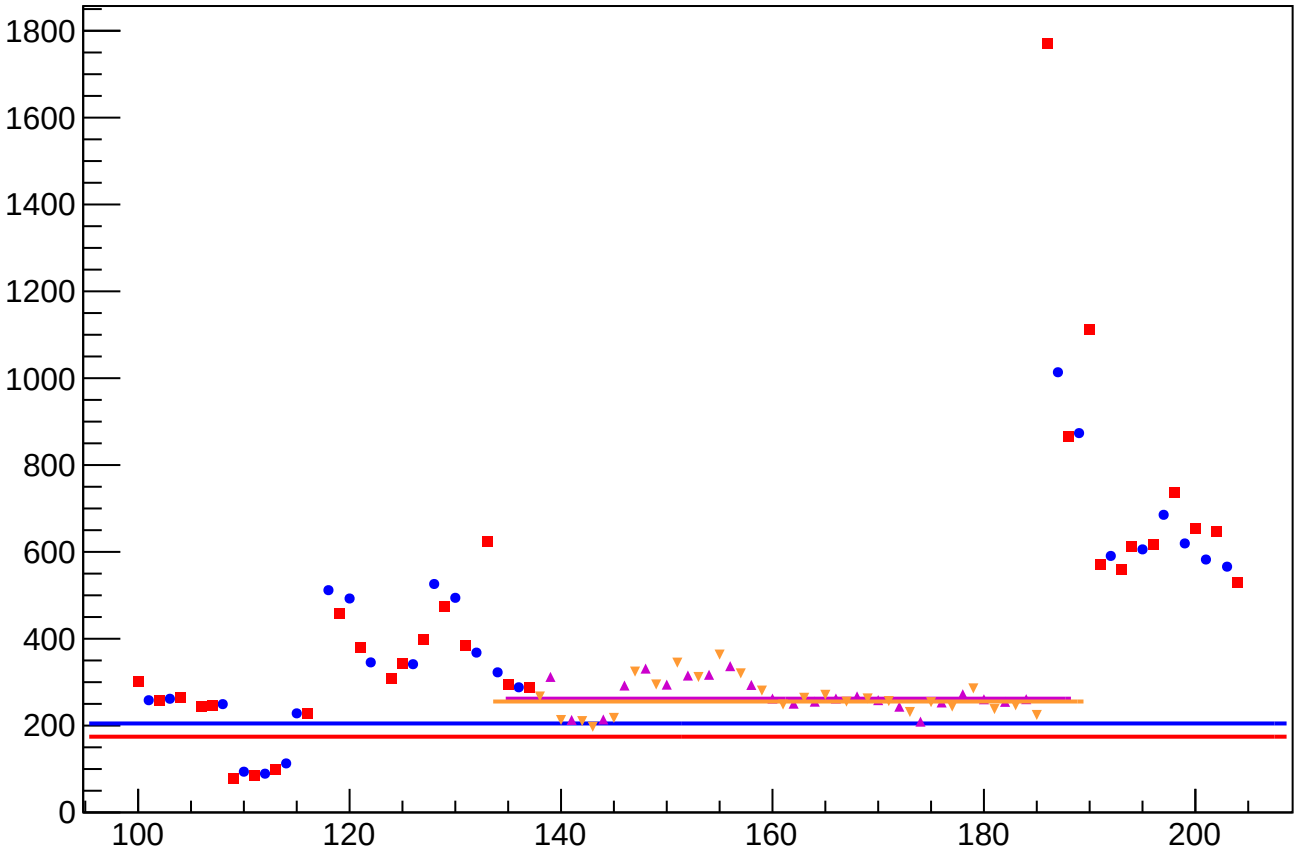
Left: -115.050+/-42.655 χ^2/NDF: 97.8/47

Right: -40.825+/-47.129 χ^2/NDF: 50.5/53

In: -28.254+/-47.221 χ^2/NDF:56.0/46

Out: -125.039+/-42.587 χ^2/NDF:91.4/54

All: -81.627+/-31.626 χ^2/NDF: 149.7/101



Right In: 204.923+/-0.052 χ^2/NDF: 10427315.3/23

Left Out: 255.469+/-0.042 χ^2/NDF:863866.8/24

Right Out: 174.465+/-0.044 χ^2/NDF: 14460540.9/29

Left In: 262.007+/-0.044 χ^2/NDF:670576.2/22

Left: 258.576+/-0.030 χ^2/NDF: 1546159.8/47

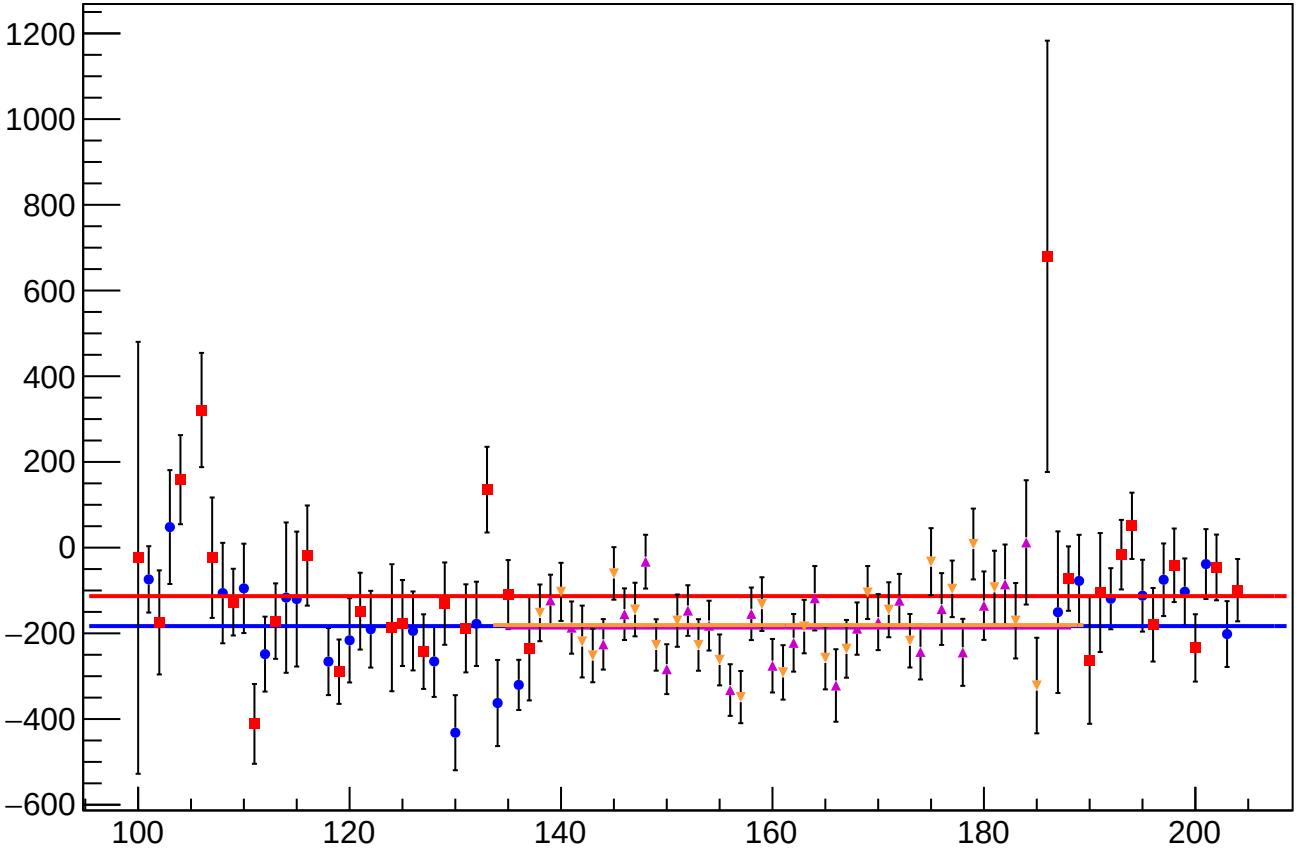
Right: 187.138+/-0.033 χ^2/NDF: 25090807.6/53

In: 238.162+/-0.033 χ^2/NDF:11808767.5/46

Out: 216.847+/-0.030 χ^2/NDF:17129456.9/54

All: 226.408+/-0.022 χ^2/NDF: 29162946.9/10

cor_asym_sam8_mean vs Slug, Sign Corrected



Right In: -183.108+/-18.413 χ^2/NDF: 34.4/23

Left Out: -180.680+/-13.419 χ^2/NDF:38.6/24

Right Out: -113.148+/-17.548 χ^2/NDF: 60.0/29

Left In: -186.567+/-13.860 χ^2/NDF:29.0/22

Left: -183.529+/-9.641 χ^2/NDF: 67.7/47

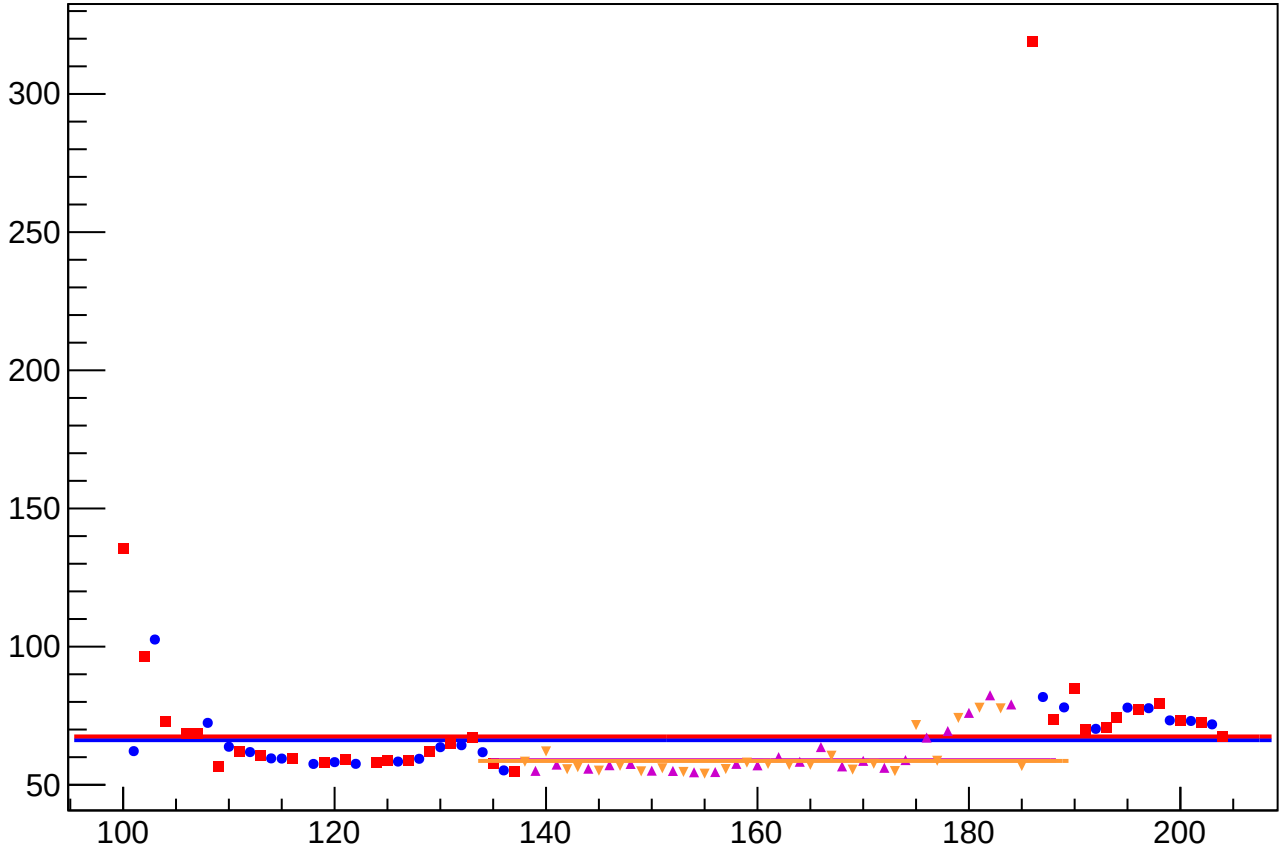
Right: -146.447+/-12.703 χ^2/NDF: 102.0/53

In: -185.316+/-11.073 χ^2/NDF:63.4/46

Out: -155.763+/-10.659 χ^2/NDF:108.0/54

All: -169.977+/-7.680 χ^2/NDF: 175.1/101

cor_asym_sam8_rms vs Slug, Sign Corrected



Right In: 66.164+/-0.013 χ^2/NDF: 496347.9/23

Left Out: 58.644+/-0.009 χ^2/NDF:393880.8/24

Right Out: 67.495+/-0.012 χ^2/NDF: 1018143.7/29

Left In: 58.906+/-0.010 χ^2/NDF:386820.4/22

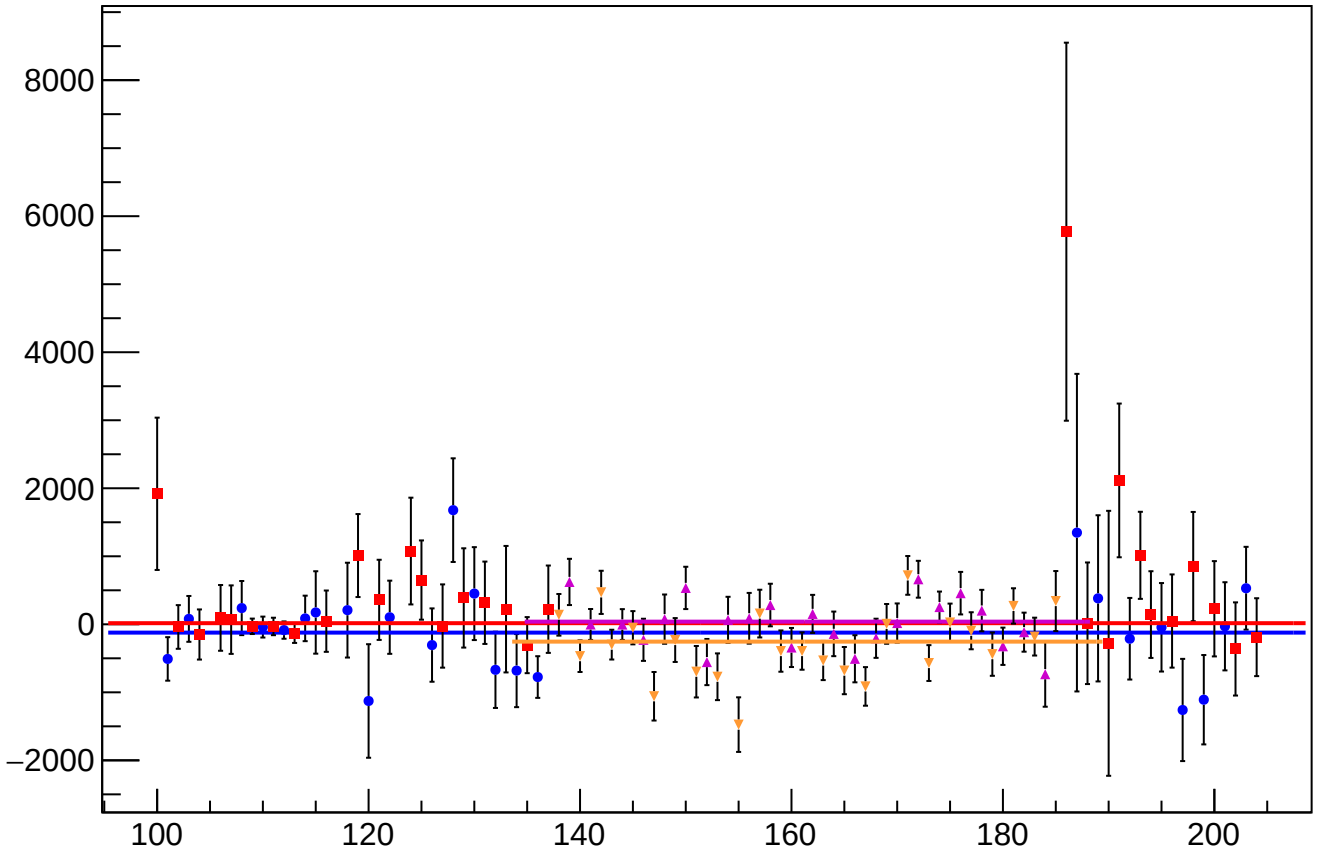
Left: 58.771+/-0.007 χ^2/NDF: 781071.0/47

Right: 66.862+/-0.009 χ^2/NDF: 1519974.6/53

In: 61.531+/-0.008 χ^2/NDF:1081503.0/46

Out: 61.910+/-0.008 χ^2/NDF:1733128.5/54

All: 61.728+/-0.005 χ^2/NDF: 2815846.6/101



Right In: -122.190+/-73.063 χ^2/NDF: 24.8/23

Left Out: -254.625+/-58.877 χ^2/NDF:57.6/24

Right Out: 16.592+/-61.812 χ^2/NDF: 23.6/29

Left In: 39.144+/-61.883 χ^2/NDF:28.3/22

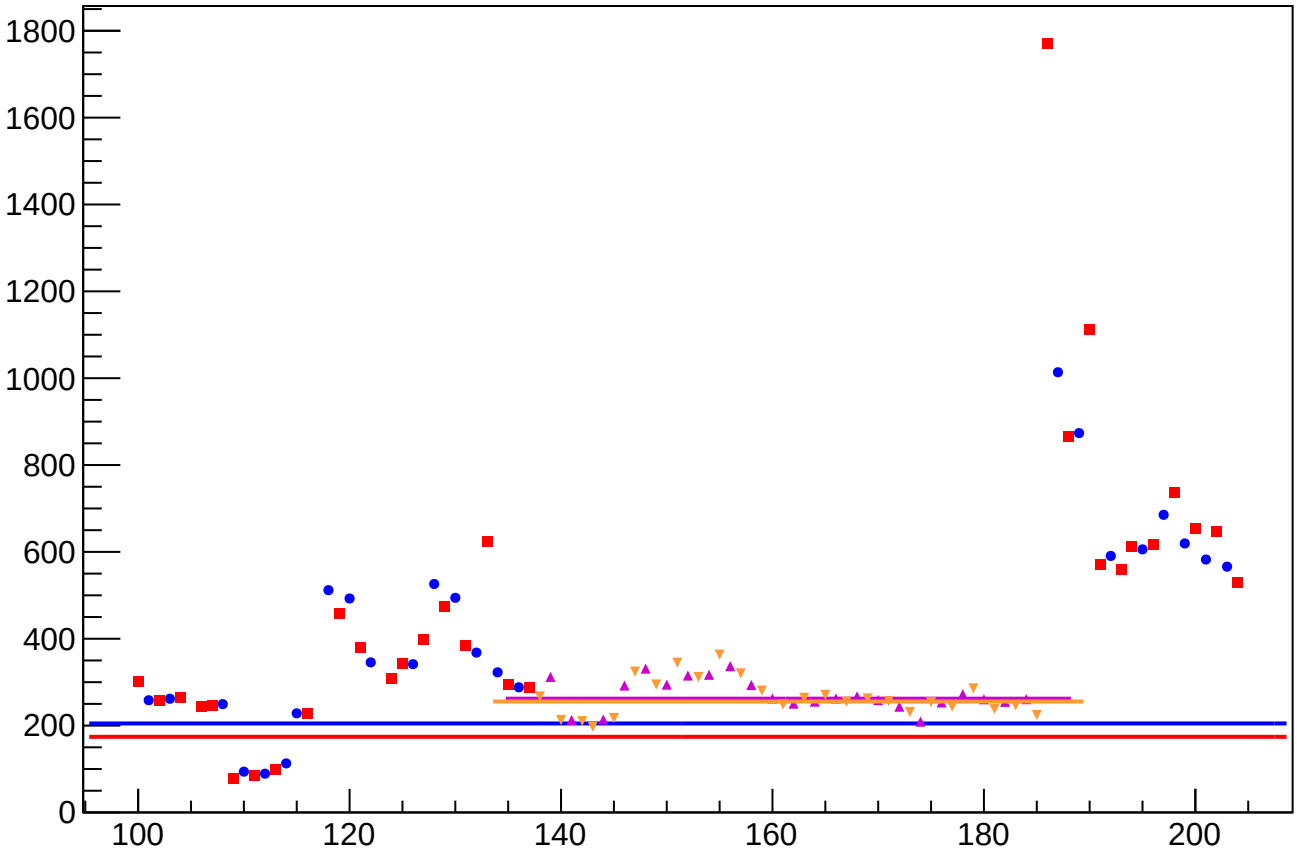
Left: -115.050+/-42.655 χ^2/NDF: 97.8/47

Right: -41.302+/-47.190 χ^2/NDF: 50.5/53

In: -28.247+/-47.221 χ^2/NDF:56.0/46

Out: -125.611+/-42.632 χ^2/NDF:91.3/54

All: -81.889+/-31.644 χ^2/NDF: 149.6/101



Right In: 204.924+/-0.052 χ^2/NDF: 10427357.3/23

Left Out: 255.469+/-0.042 χ^2/NDF:863867.3/24

Right Out: 174.165+/-0.044 χ^2/NDF: 14450247.9/29

Left In: 262.007+/-0.044 χ^2/NDF:670574.8/22

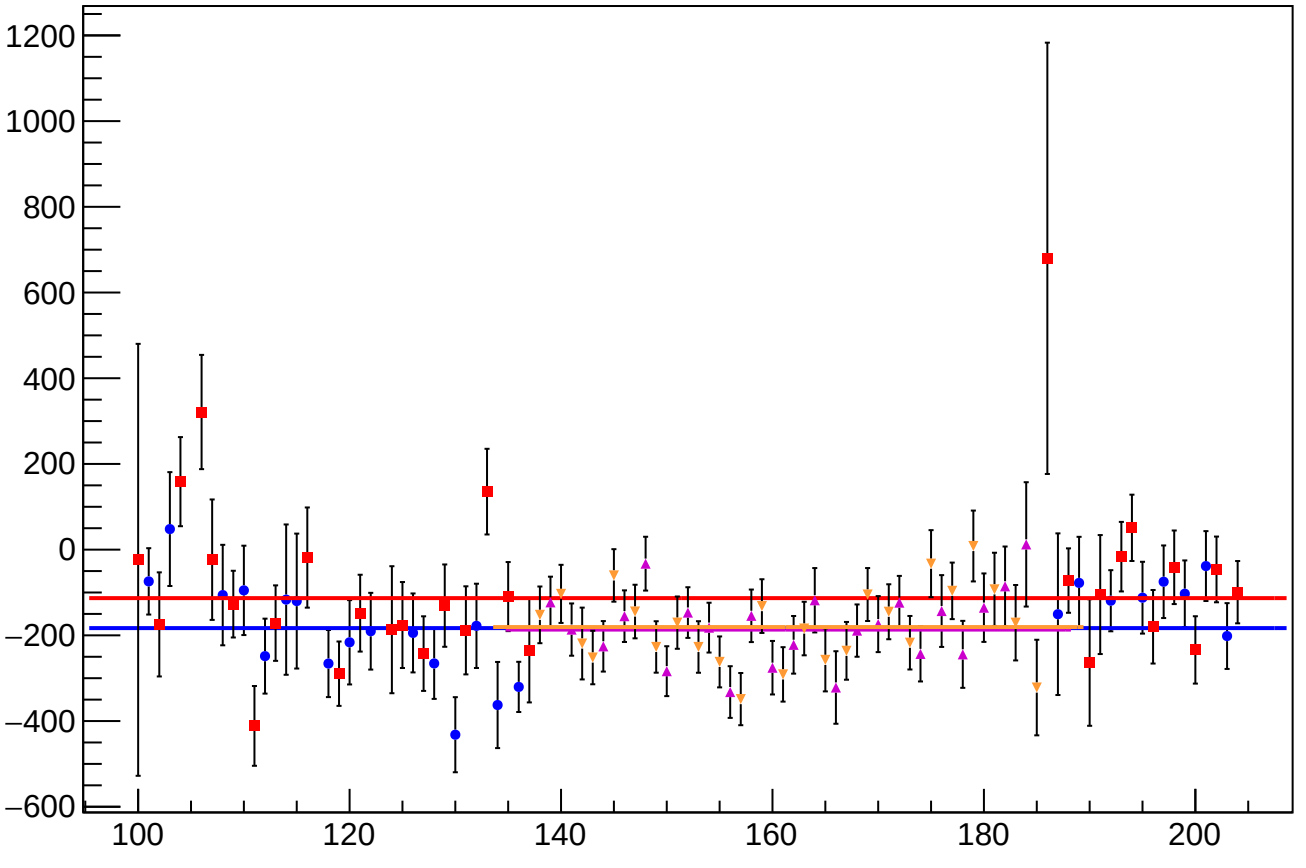
Left: 258.576+/-0.030 χ^2/NDF: 1546159.5/47

Right: 186.996+/-0.033 χ^2/NDF: 25084202.0/53

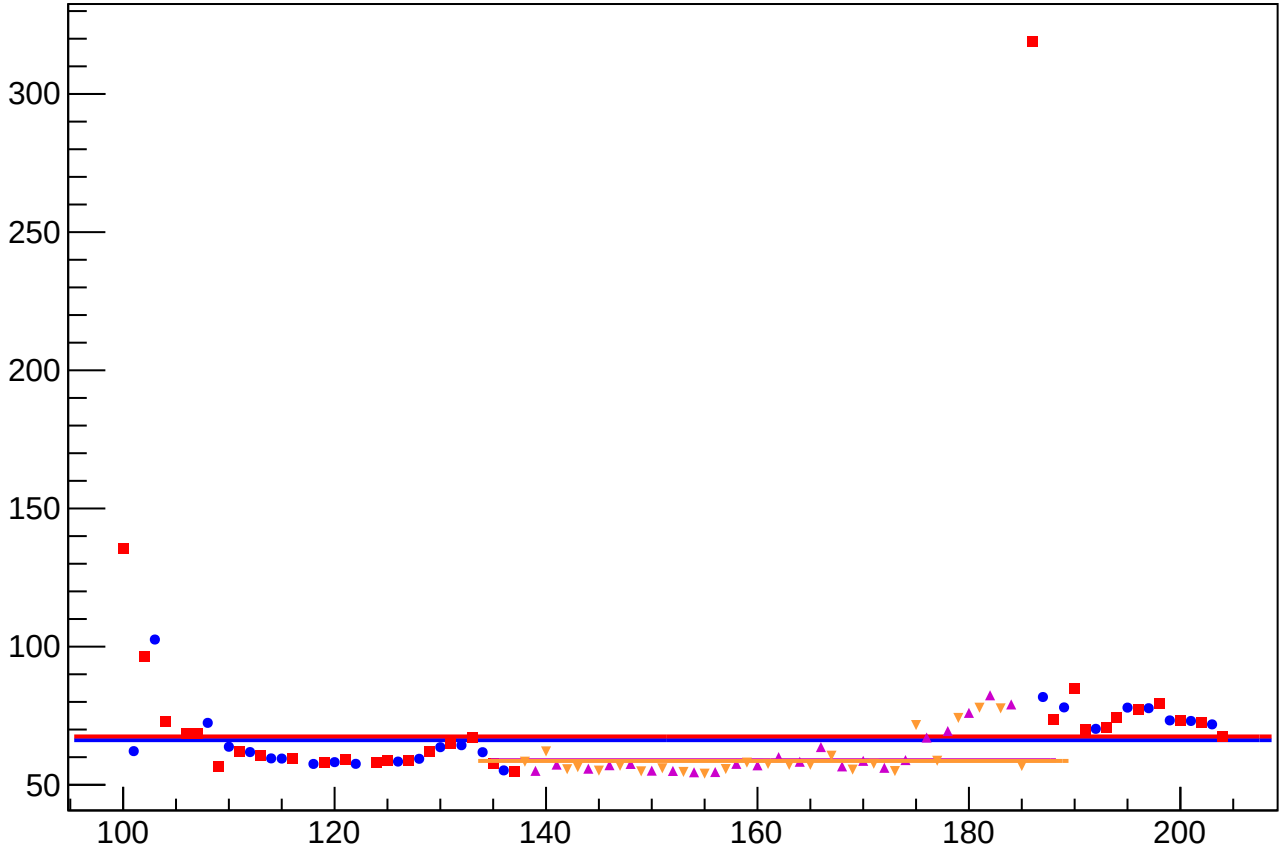
In: 238.163+/-0.033 χ^2/NDF:11808789.2/46

Out: 216.794+/-0.030 χ^2/NDF:17128351.2/54

All: 226.390+/-0.022 χ^2/NDF: 29162785.5/10


eigen_cor_asym_sam8_mean vs Slug, Sign Corrected
1200
1000
800
600
400
200
0
−200
−400
−600
100
120
140
160
180
200
Right In: -183.108+/-18.413 χ²/NDF: 34.4/23
Left Out: -180.680+/-13.419 χ²/NDF:38.6/24
Right Out: -113.148+/-17.548 χ²/NDF: 60.0/29
Left In: -186.567+/-13.860 χ²/NDF:29.0/22
Left: -183.529+/-9.641 χ²/NDF: 67.7/47
Right: -146.447+/-12.703 χ²/NDF: 102.0/53
In: -185.316+/-11.073 χ²/NDF:63.4/46
Out: -155.763+/-10.659 χ²/NDF:108.0/54
All: -169.977+/-7.680 χ²/NDF: 175.1/101

eigen_cor_asym_sam8_rms vs Slug, Sign Corrected



Right In: 66.164+/-0.013 χ^2/NDF: 496347.9/23

Left Out: 58.644+/-0.009 χ^2/NDF:393880.8/24

Right Out: 67.495+/-0.012 χ^2/NDF: 1018143.7/29

Left In: 58.906+/-0.010 χ^2/NDF:386820.4/22

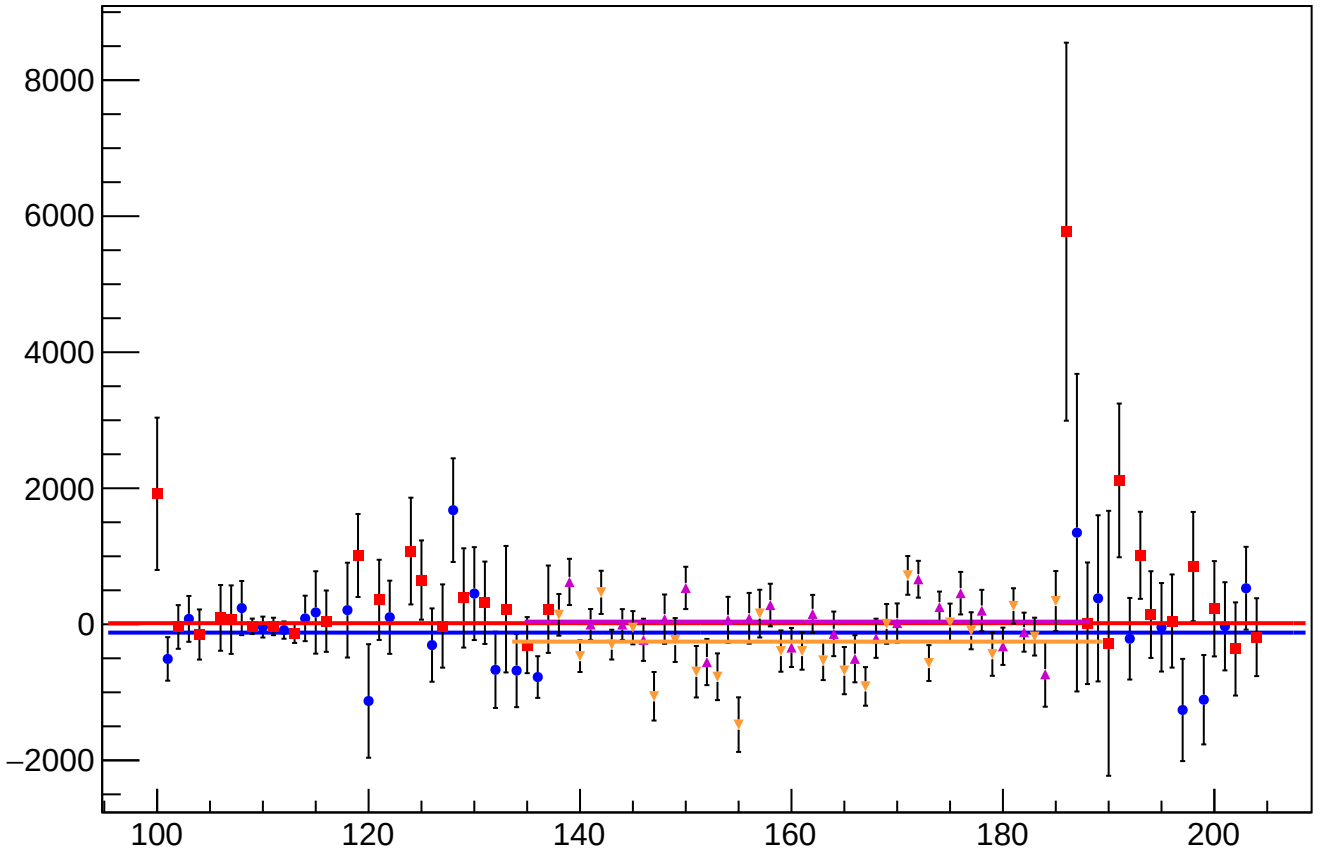
Left: 58.771+/-0.007 χ^2/NDF: 781071.0/47

Right: 66.862+/-0.009 χ^2/NDF: 1519974.6/53

In: 61.531+/-0.008 χ^2/NDF:1081503.0/46

Out: 61.910+/-0.008 χ^2/NDF:1733128.5/54

All: 61.728+/-0.005 χ^2/NDF: 2815846.6/101



Right In: -122.190+/-73.063 χ^2/NDF: 24.8/23

Left Out: -254.625+/-58.877 χ^2/NDF:57.6/24

Right Out: 16.592+/-61.812 χ^2/NDF: 23.6/29

Left In: 39.144+/-61.883 χ^2/NDF:28.3/22

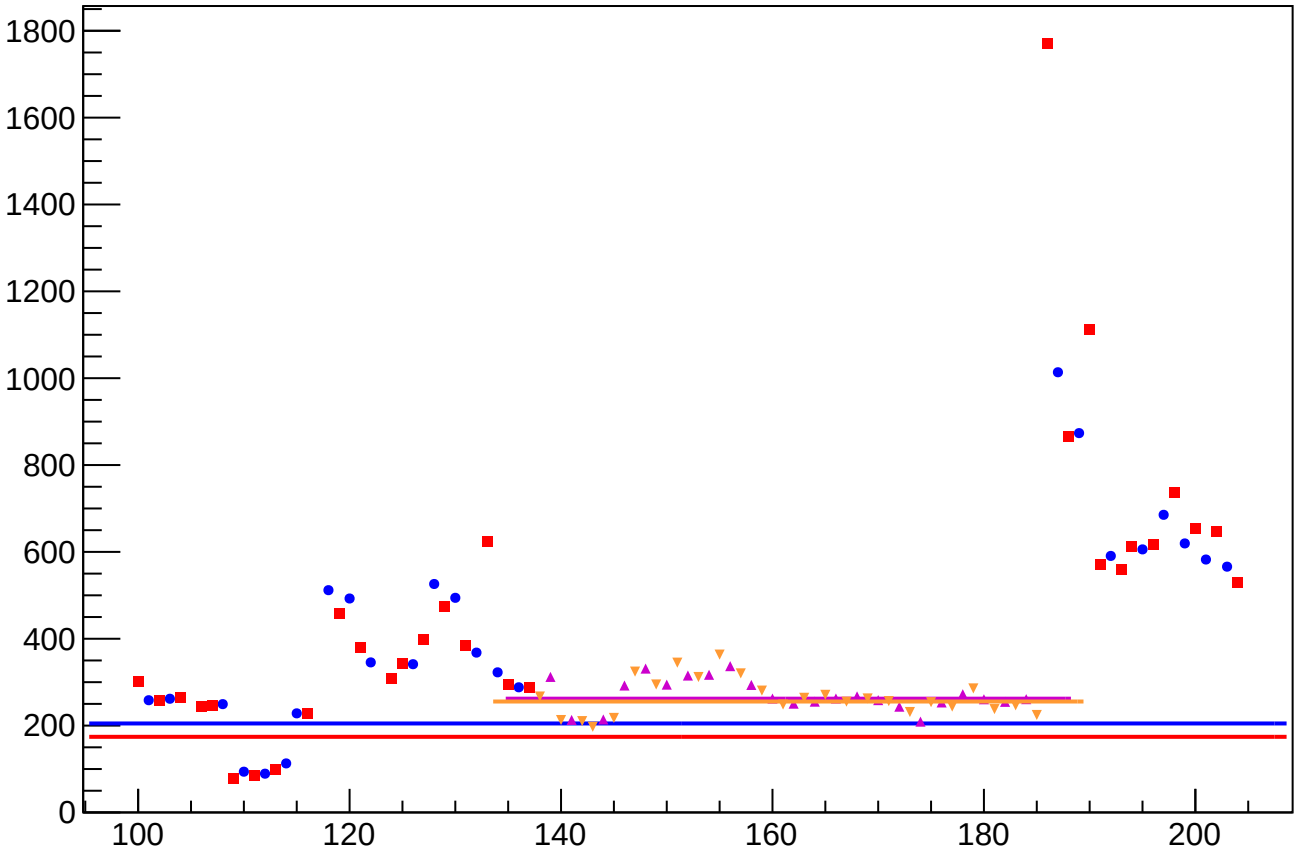
Left: -115.050+/-42.655 χ^2/NDF: 97.8/47

Right: -41.302+/-47.190 χ^2/NDF: 50.5/53

In: -28.247+/-47.221 χ^2/NDF:56.0/46

Out: -125.611+/-42.632 χ^2/NDF:91.3/54

All: -81.889+/-31.644 χ^2/NDF: 149.6/101



Right In: 204.924+/-0.052 χ^2/NDF: 10427357.3/23

Left Out: 255.469+/-0.042 χ^2/NDF:863867.3/24

Right Out: 174.165+/-0.044 χ^2/NDF: 14450247.9/29

Left In: 262.007+/-0.044 χ^2/NDF:670574.8/22

Left: 258.576+/-0.030 χ^2/NDF: 1546159.5/47

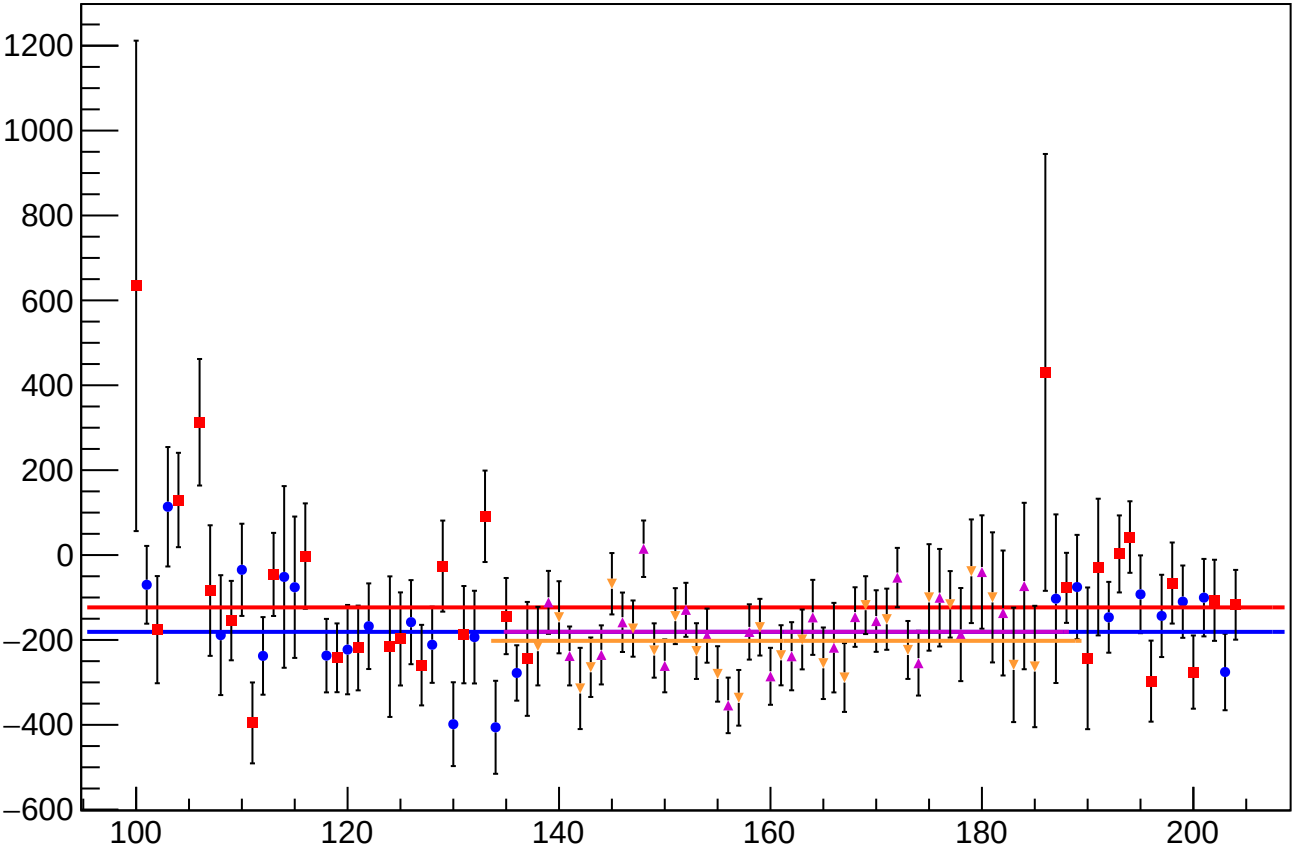
Right: 186.996+/-0.033 χ^2/NDF: 25084202.0/53

In: 238.163+/-0.033 χ^2/NDF:11808789.2/46

Out: 216.794+/-0.030 χ^2/NDF:17128351.2/54

All: 226.390+/-0.022 χ^2/NDF: 29162785.5/10

dit_asym_sam8_mean vs Slug, Sign Corrected



Right In: -180.949+/-20.512 χ^2/NDF: 25.6/23

Left Out: -202.090+/-15.538 χ^2/NDF:21.5/24

Right Out: -123.309+/-19.468 χ^2/NDF: 52.4/29

Left In: -180.784+/-16.019 χ^2/NDF:30.1/22

Left: -191.762+/-11.153 χ^2/NDF: 52.6/47

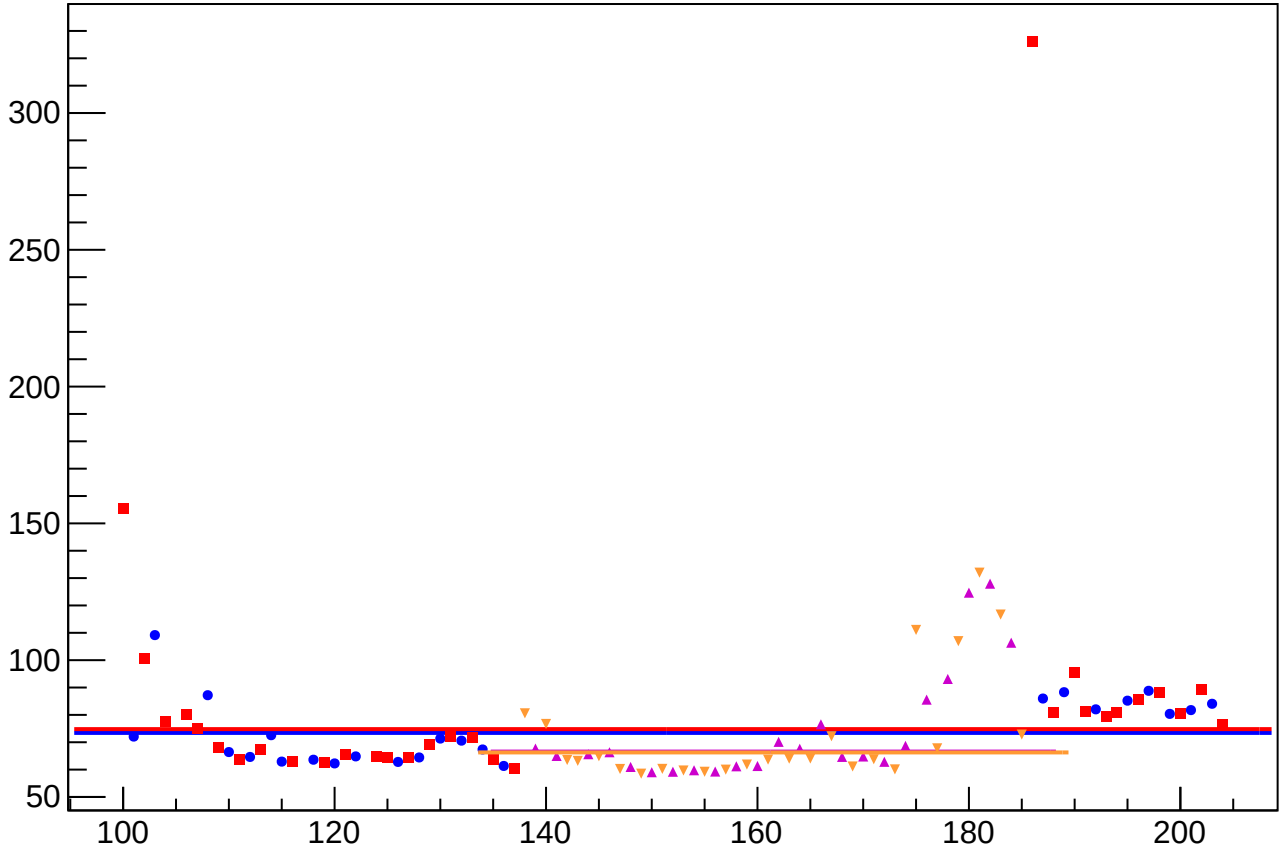
Right: -150.625+/-14.120 χ^2/NDF: 82.1/53

In: -180.846+/-12.625 χ^2/NDF:55.7/46

Out: -171.433+/-12.144 χ^2/NDF:83.9/54

All: -175.957+/-8.752 χ^2/NDF: 139.9/101

dit_asym_sam8_rms vs Slug, Sign Corrected



Right In: 73.415+/-0.015 χ^2/NDF: 565884.2/23

Left Out: 66.279+/-0.011 χ^2/NDF:1393879.2/24

Right Out: 74.798+/-0.014 χ^2/NDF: 1024498.3/29

Left In: 66.585+/-0.011 χ^2/NDF:1158238.0/22

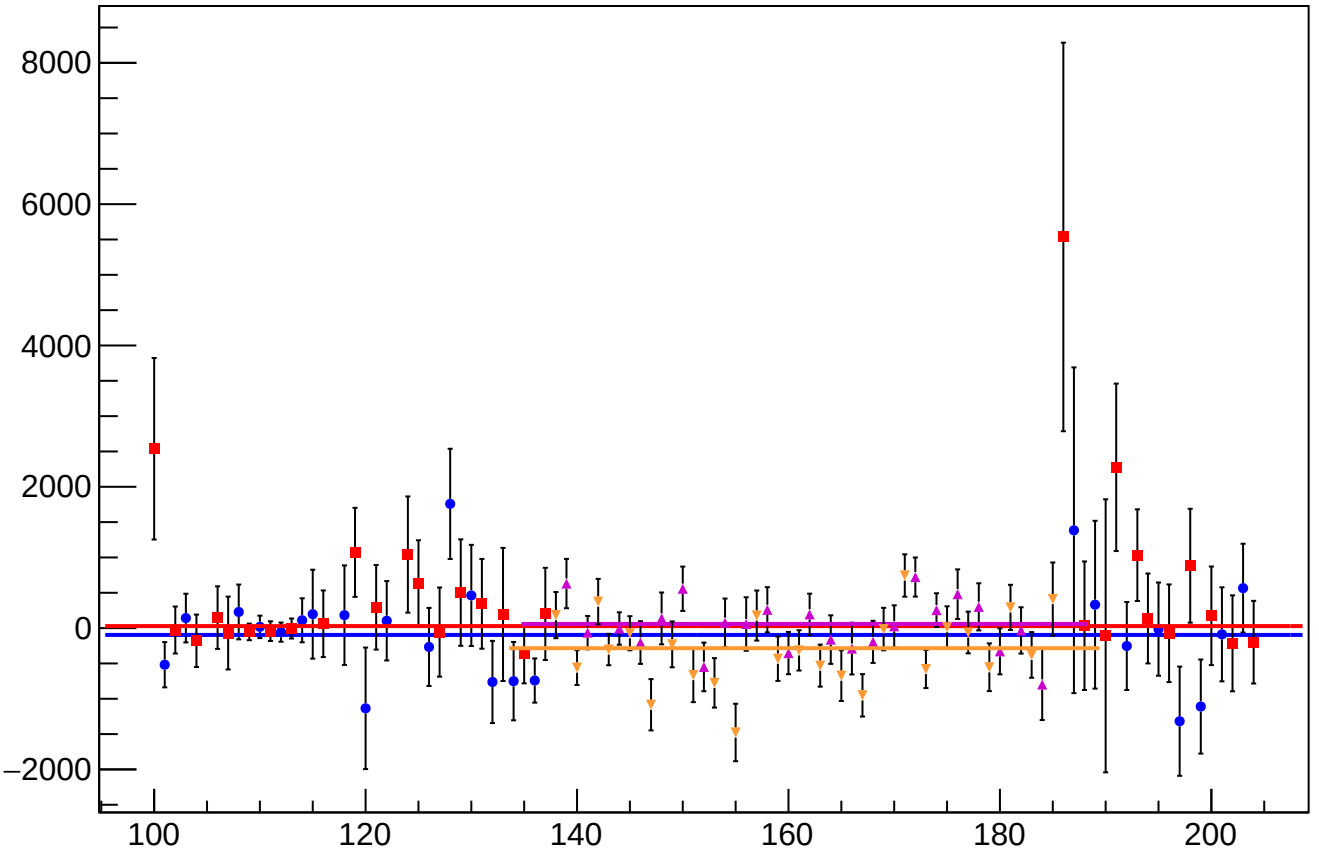
Left: 66.427+/-0.008 χ^2/NDF: 2552494.2/47

Right: 74.143+/-0.010 χ^2/NDF: 1595167.2/53

In: 69.173+/-0.009 χ^2/NDF:1861849.6/46

Out: 69.594+/-0.009 χ^2/NDF:2652340.8/54

All: 69.392+/-0.006 χ^2/NDF: 4515347.7/101



Right In: -96.303+/-75.368 χ^2/NDF: 25.8/23

Left Out: -284.450+/-61.727 χ^2/NDF:54.6/24

Right Out: 28.482+/-63.482 χ^2/NDF: 23.7/29

Left In: 59.160+/-64.636 χ^2/NDF:26.8/22

Left: -120.551+/-44.641 χ^2/NDF: 96.2/47

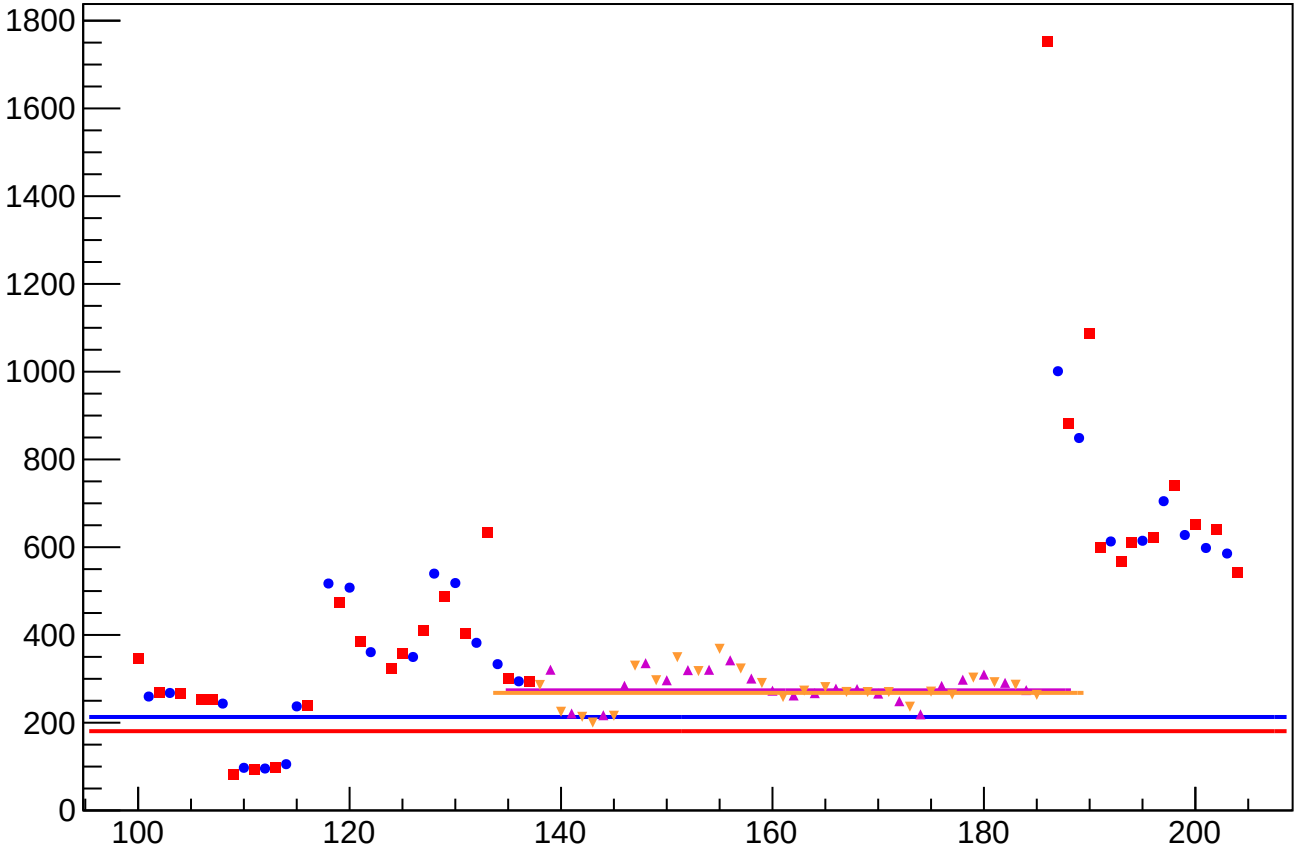
Right: -23.306+/-48.553 χ^2/NDF: 51.1/53

In: -6.725+/-49.064 χ^2/NDF:55.1/46

Out: -132.368+/-44.255 χ^2/NDF:90.8/54

All: -76.004+/-32.862 χ^2/NDF: 149.5/101

asym_sam8_dit_correction_rms vs Slug, Sign Corrected



Right In: 213.020+/-0.053 χ^2/NDF: 10227172.1/23

Left Out: 267.985+/-0.044 χ^2/NDF:862786.9/24

Right Out: 180.699+/-0.045 χ^2/NDF: 14270892.8/29

Left In: 273.751+/-0.046 χ^2/NDF:650295.5/22

Left: 270.736+/-0.032 χ^2/NDF: 1521404.4/47

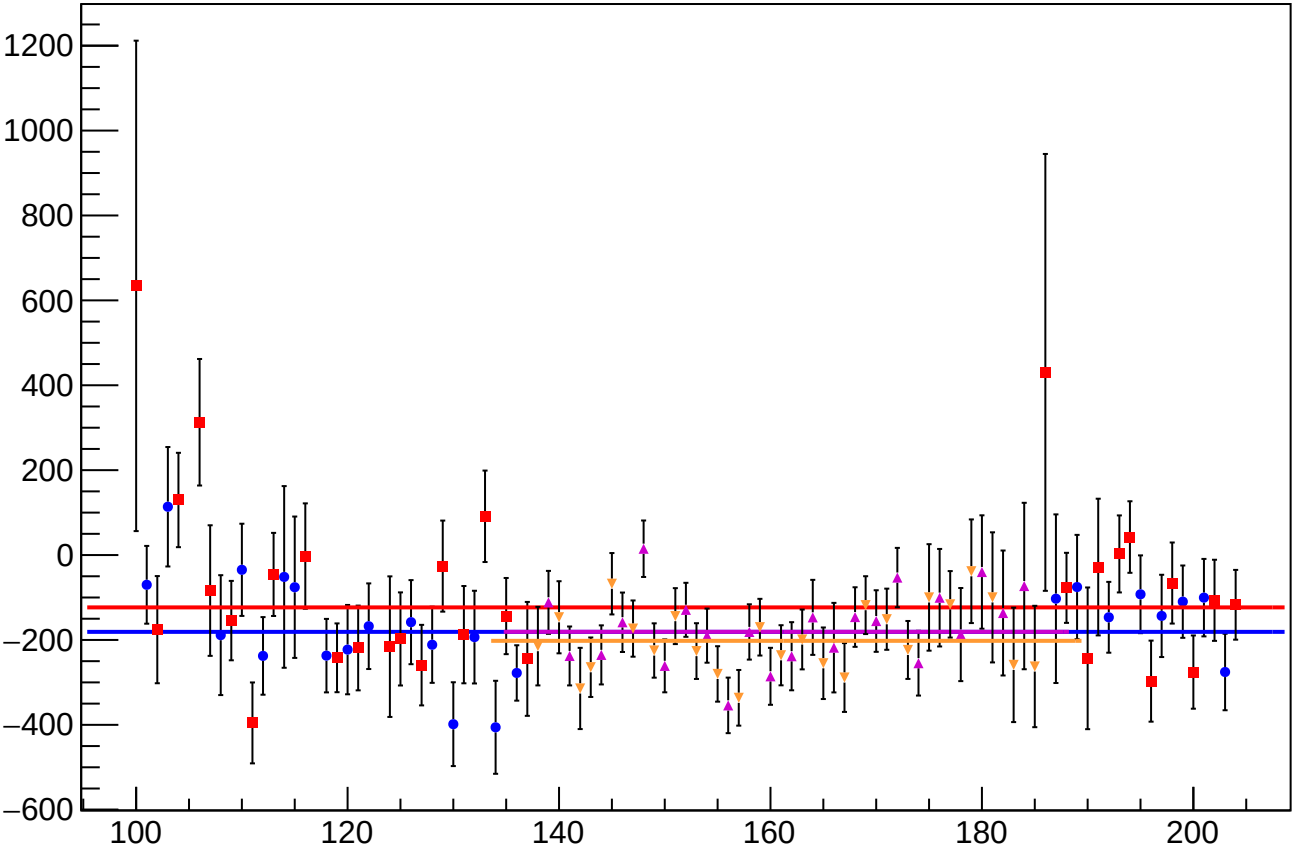
Right: 194.113+/-0.034 χ^2/NDF: 24713236.3/53

In: 248.013+/-0.035 χ^2/NDF:11625720.5/46

Out: 225.565+/-0.031 χ^2/NDF:17077239.1/54

All: 235.635+/-0.023 χ^2/NDF: 28933813.8/10

eigen_dit_asym_sam8_mean vs Slug, Sign Corrected



Right In: -180.949+/-20.512 χ^2/NDF: 25.6/23

Left Out: -202.090+/-15.538 χ^2/NDF:21.5/24

Right Out: -123.310+/-19.468 χ^2/NDF: 52.4/29

Left In: -180.785+/-16.019 χ^2/NDF:30.1/22

Left: -191.762+/-11.153 χ^2/NDF: 52.6/47

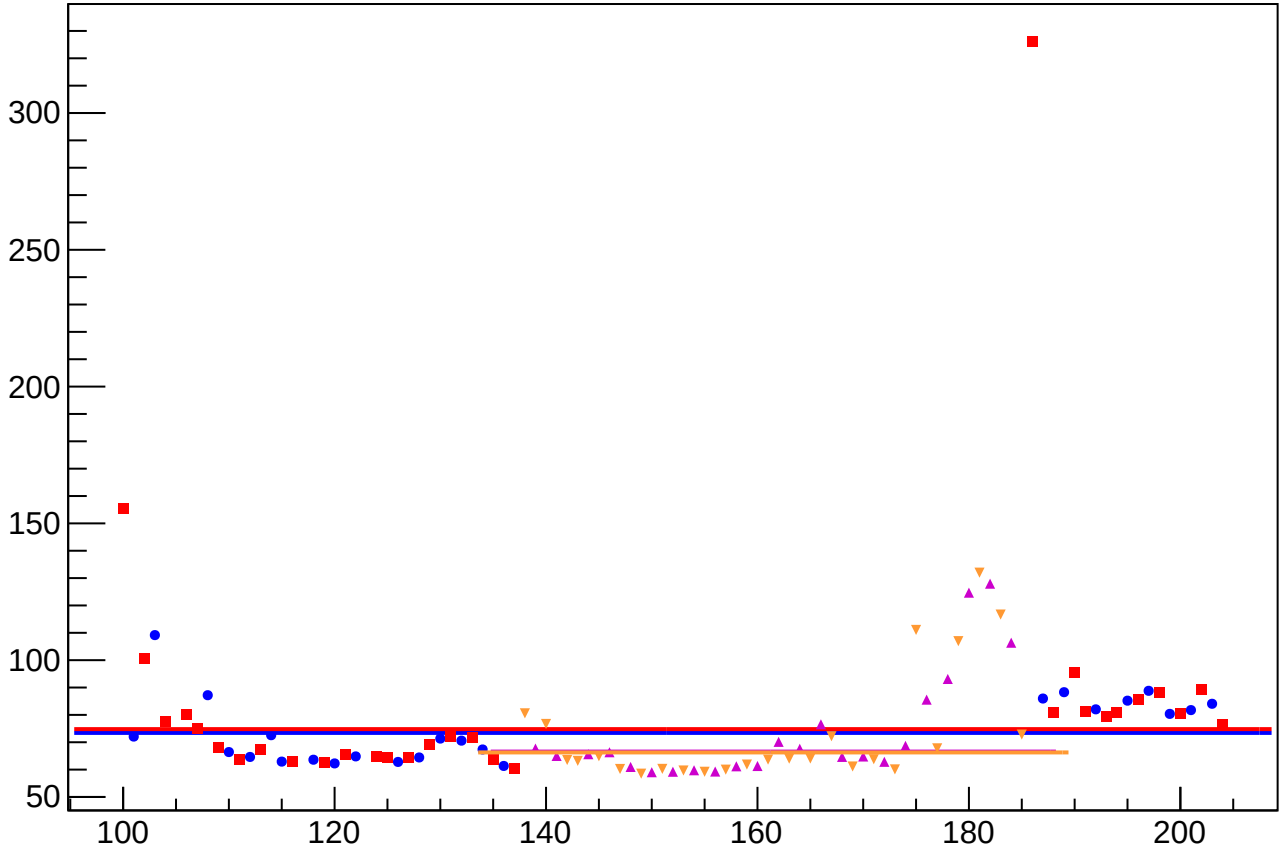
Right: -150.625+/-14.120 χ^2/NDF: 82.1/53

In: -180.847+/-12.625 χ^2/NDF:55.7/46

Out: -171.433+/-12.144 χ^2/NDF:83.9/54

All: -175.957+/-8.752 χ^2/NDF: 139.9/101

eigen_dit_asym_sam8_rms vs Slug, Sign Corrected



Right In: 73.415+/-0.015 χ^2/NDF: 565888.6/23

Left Out: 66.279+/-0.011 χ^2/NDF:1393881.3/24

Right Out: 74.798+/-0.014 χ^2/NDF: 1024503.9/29

Left In: 66.585+/-0.011 χ^2/NDF:1158231.7/22

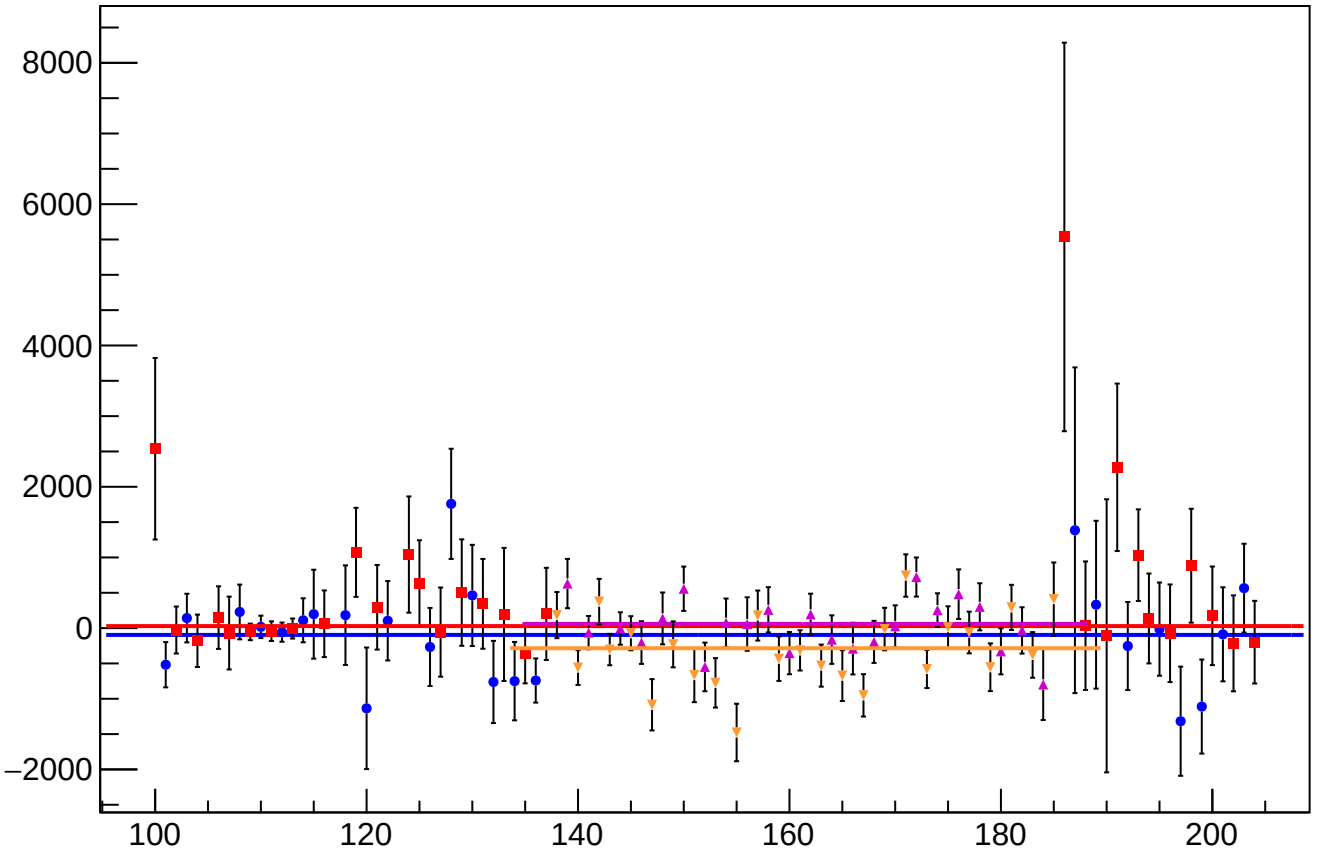
Left: 66.428+/-0.008 χ^2/NDF: 2552490.1/47

Right: 74.143+/-0.010 χ^2/NDF: 1595176.9/53

In: 69.173+/-0.009 χ^2/NDF:1861840.1/46

Out: 69.594+/-0.009 χ^2/NDF:2652337.8/54

All: 69.392+/-0.006 χ^2/NDF: 4515335.1/101



Right In: -96.301+/-75.367 χ^2/NDF: 25.8/23

Left Out: -284.450+/-61.727 χ^2/NDF:54.6/24

Right Out: 28.481+/-63.482 χ^2/NDF: 23.7/29

Left In: 59.160+/-64.636 χ^2/NDF:26.8/22

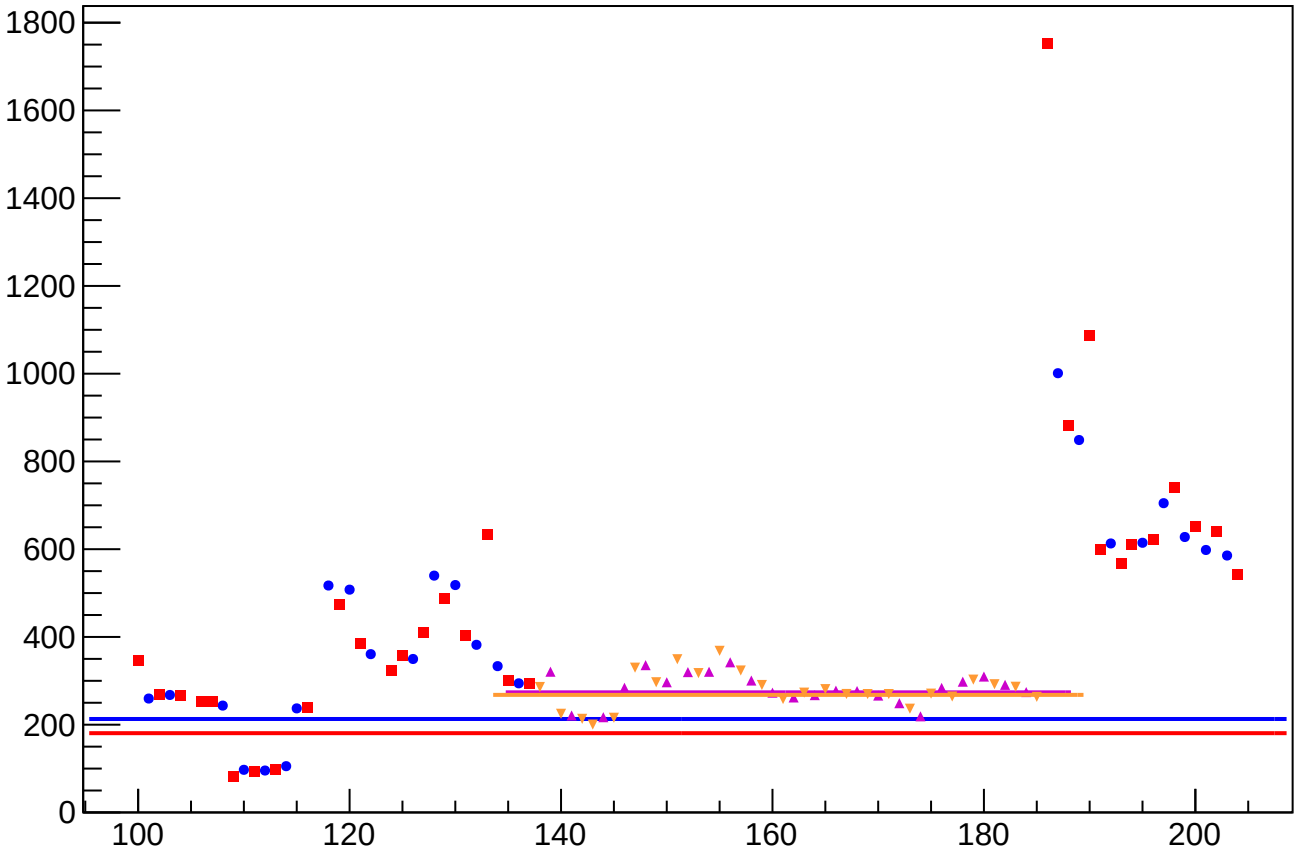
Left: -120.551+/-44.641 χ^2/NDF: 96.2/47

Right: -23.306+/-48.553 χ^2/NDF: 51.1/53

In: -6.724+/-49.064 χ^2/NDF:55.1/46

Out: -132.368+/-44.255 χ^2/NDF:90.8/54

All: -76.004+/-32.862 χ^2/NDF: 149.5/101



Right In: 213.019+/-0.053 χ^2/NDF: 10227223.7/23

Left Out: 267.985+/-0.044 χ^2/NDF:862797.1/24

Right Out: 180.698+/-0.045 χ^2/NDF: 14270875.0/29

Left In: 273.750+/-0.046 χ^2/NDF:650300.9/22

Left: 270.735+/-0.032 χ^2/NDF: 1521420.2/47

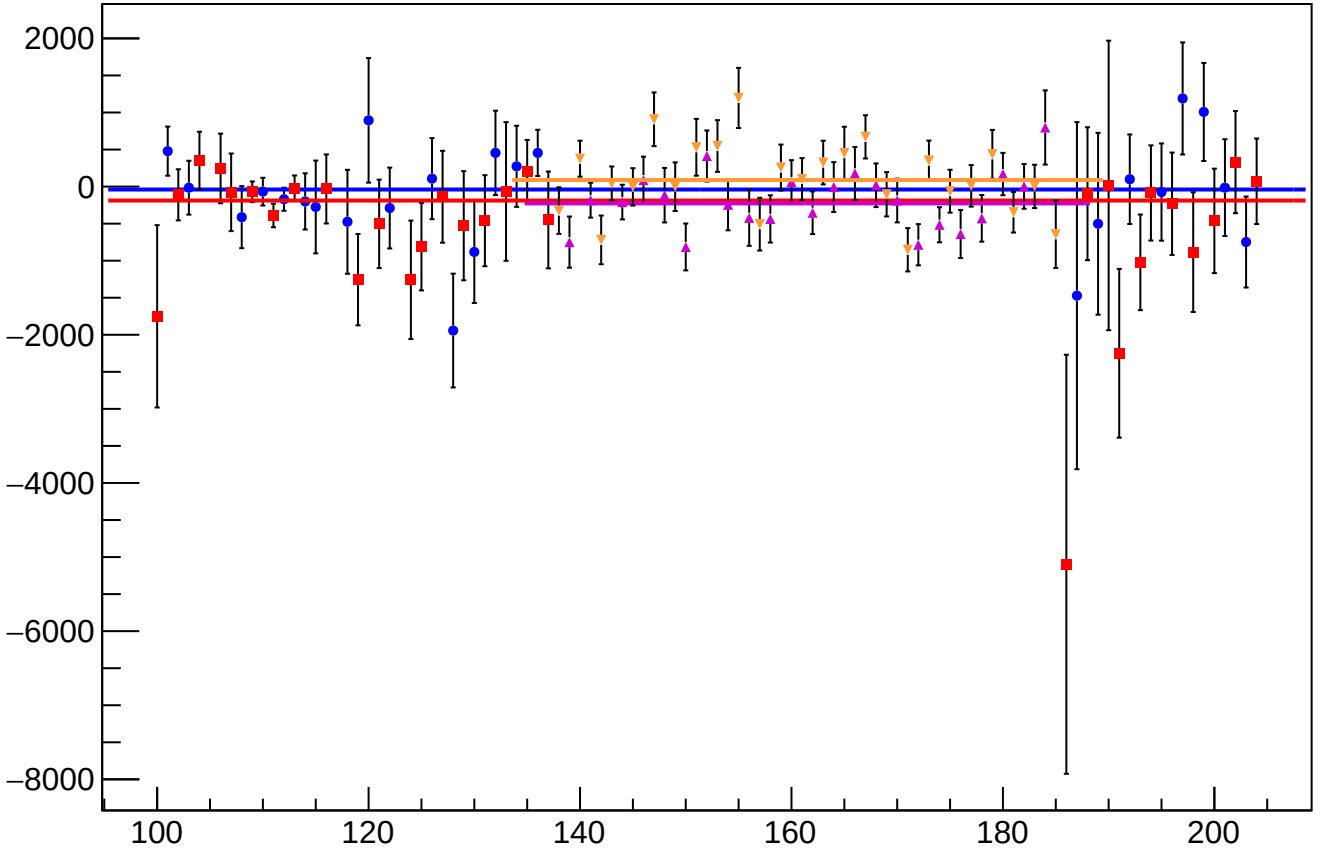
Right: 194.112+/-0.034 χ^2/NDF: 24713255.4/53

In: 248.012+/-0.035 χ^2/NDF:11625802.9/46

Out: 225.564+/-0.031 χ^2/NDF:17077219.5/54

All: 235.634+/-0.023 χ^2/NDF: 28933864.8/10

asym_sam8_mean vs Slug, Sign Corrected



Right In: -39.465+/-82.370 χ^2/NDF: 24.5/23

Left Out: 88.397+/-60.666 χ^2/NDF:52.2/24

Right Out: -188.490+/-71.126 χ^2/NDF: 25.2/29

Left In: -226.867+/-63.677 χ^2/NDF:28.8/22

Left: -61.606+/-43.923 χ^2/NDF: 93.9/47

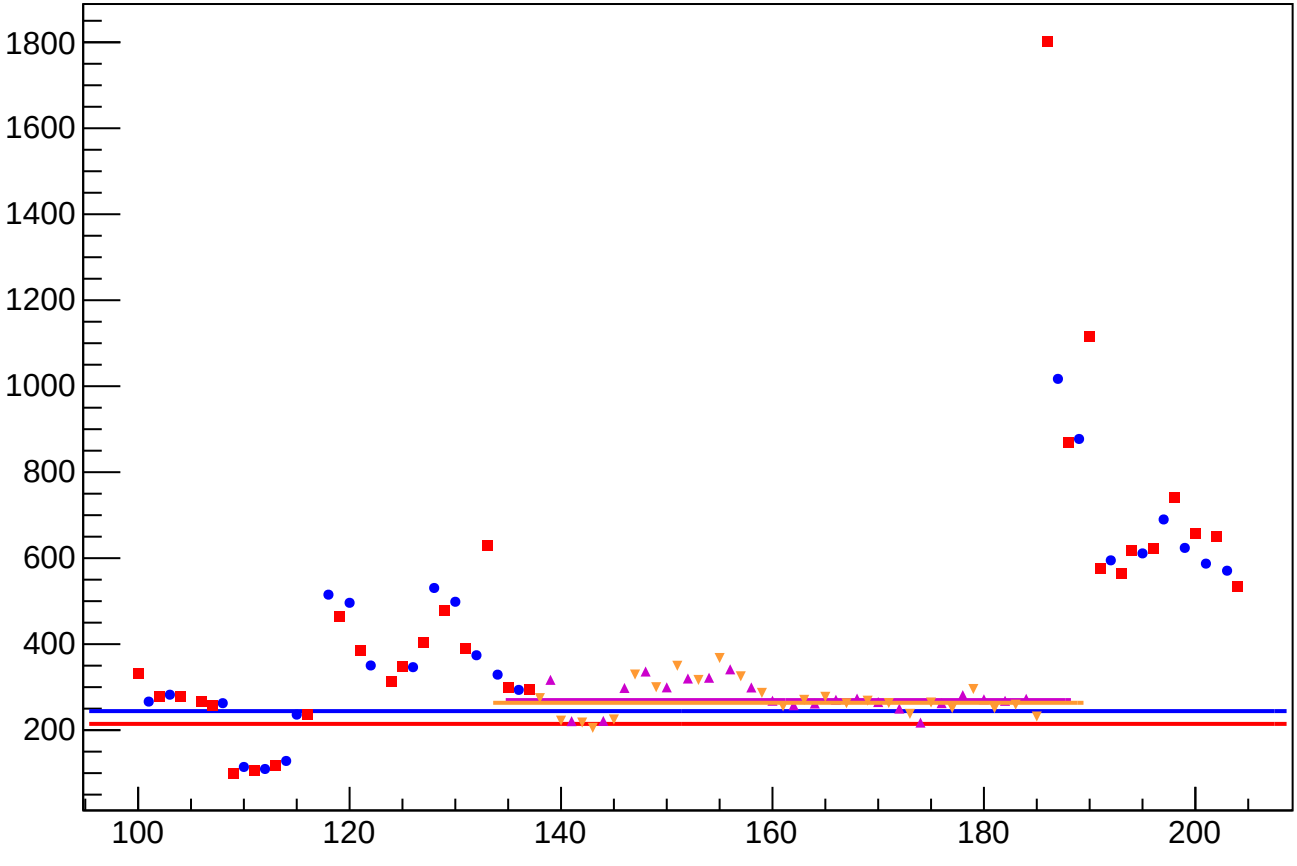
Right: -124.836+/-53.834 χ^2/NDF: 51.6/53

In: -156.766+/-50.379 χ^2/NDF:56.5/46

Out: -28.209+/-46.157 χ^2/NDF:86.2/54

All: -86.876+/-34.033 χ^2/NDF: 146.3/101

asym_sam8_rms vs Slug, Sign Corrected



Right In: 244.265+/-0.058 χ^2/NDF: 8580806.7/23

Left Out: 263.593+/-0.043 χ^2/NDF:779853.4/24

Right Out: 214.519+/-0.050 χ^2/NDF: 12317008.1/29

Left In: 269.898+/-0.045 χ^2/NDF:602244.3/22

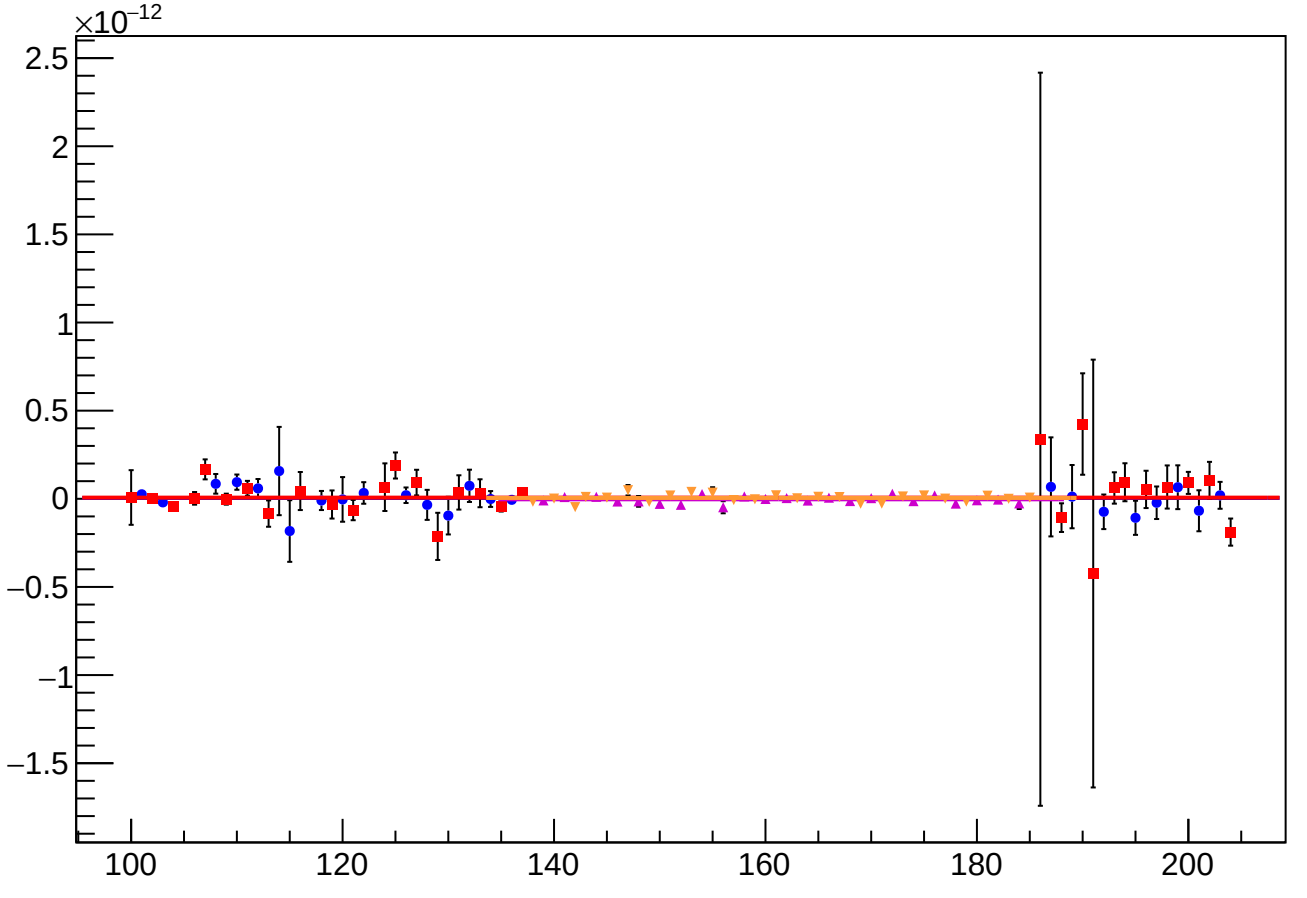
Left: 266.593+/-0.031 χ^2/NDF: 1392375.9/47

Right: 227.224+/-0.038 χ^2/NDF: 21047234.0/53

In: 260.309+/-0.036 χ^2/NDF:9304281.0/46

Out: 242.926+/-0.033 χ^2/NDF:13648001.6/54

All: 250.859+/-0.024 χ^2/NDF: 23081736.7/10



Right In: 0.000+/-0.000 χ^2/NDF: 16.6/23

Left Out: 0.000+/-0.000 χ^2/NDF:27.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 45.3/29

Left In: -0.000+/-0.000 χ^2/NDF:21.5/22

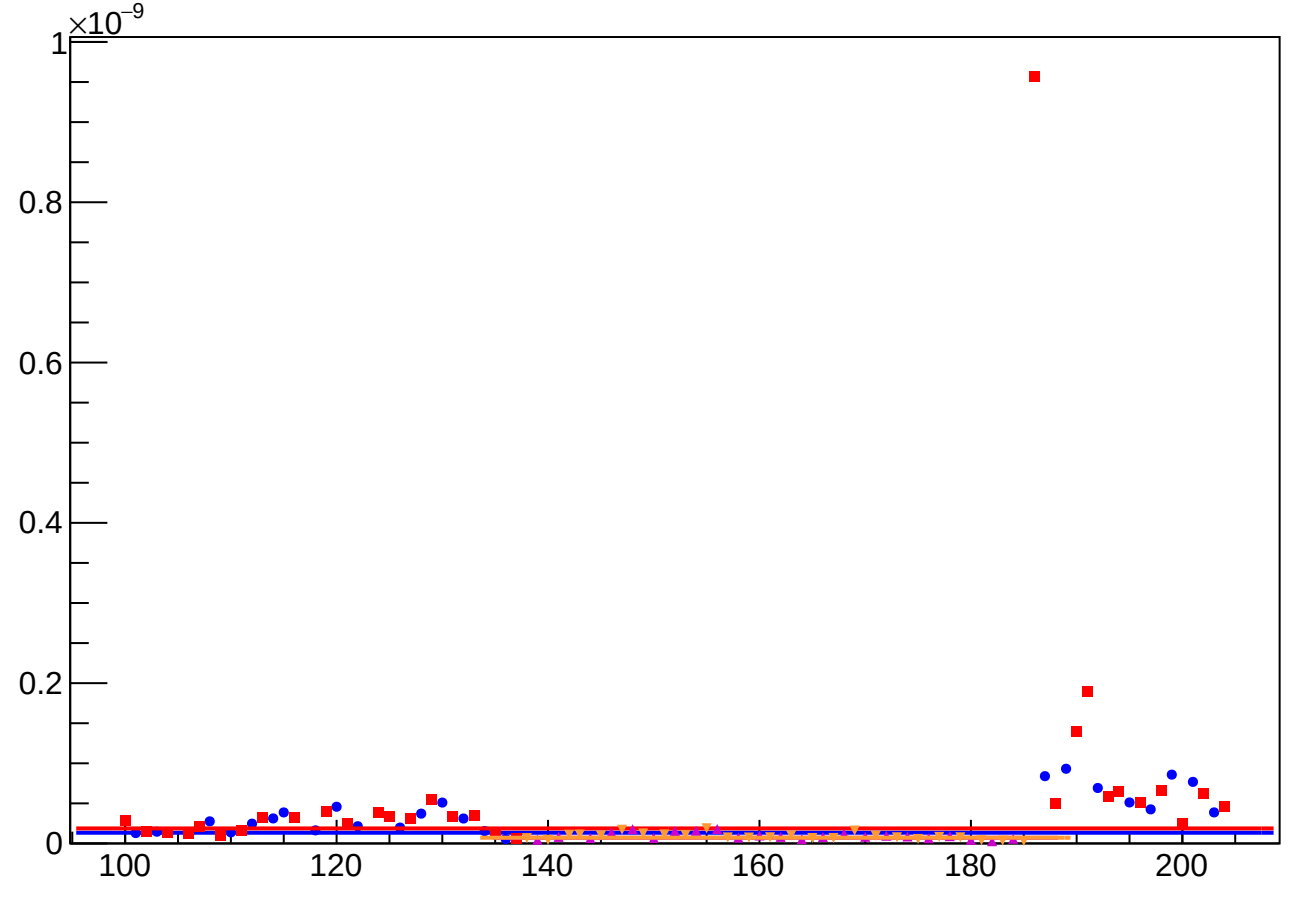
Left: 0.000+/-0.000 χ^2/NDF: 52.6/47

Right: 0.000+/-0.000 χ^2/NDF: 62.0/53

In: -0.000+/-0.000 χ^2/NDF:38.9/46

Out: 0.000+/-0.000 χ^2/NDF:73.3/54

All: 0.000+/-0.000 χ^2/NDF: 115.0/101



Right In: 0.000+/-0.000 χ^2/NDF: 5086353.6/23

Left Out: 0.000+/-0.000 χ^2/NDF:1952087.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4598880.0/29

Left In: 0.000+/-0.000 χ^2/NDF:2053049.9/22

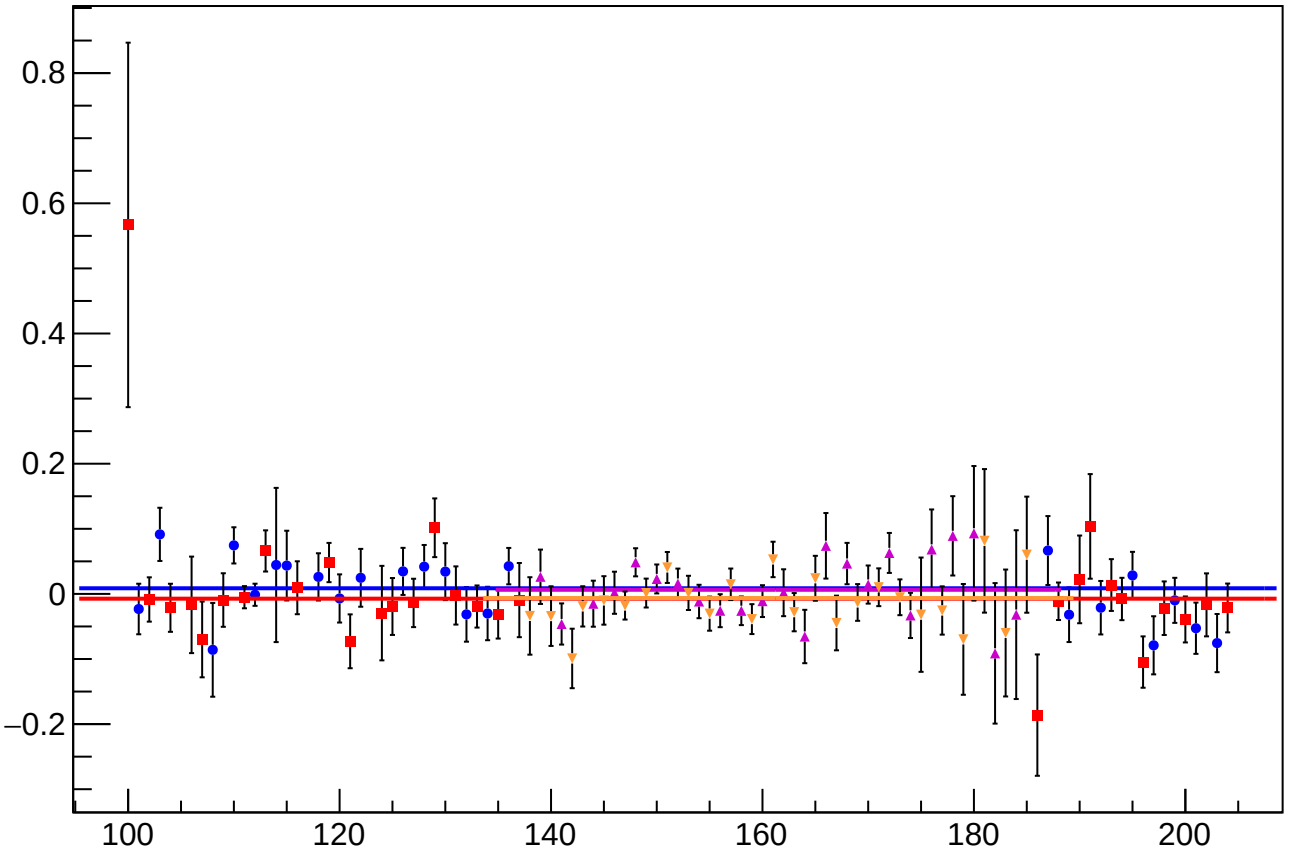
Left: 0.000+/-0.000 χ^2/NDF: 4005568.1/47

Right: 0.000+/-0.000 χ^2/NDF: 10049943.6/53

In: 0.000+/-0.000 χ^2/NDF:8195230.4/46

Out: 0.000+/-0.000 χ^2/NDF:9176752.7/54

All: 0.000+/-0.000 χ^2/NDF: 17379923.4/101



Right In: 0.009+/-0.007 χ^2/NDF: 31.7/23

Left Out: -0.006+/-0.006 χ^2/NDF:22.6/24

Right Out: -0.007+/-0.007 χ^2/NDF: 36.9/29

Left In: 0.006+/-0.007 χ^2/NDF:28.4/22

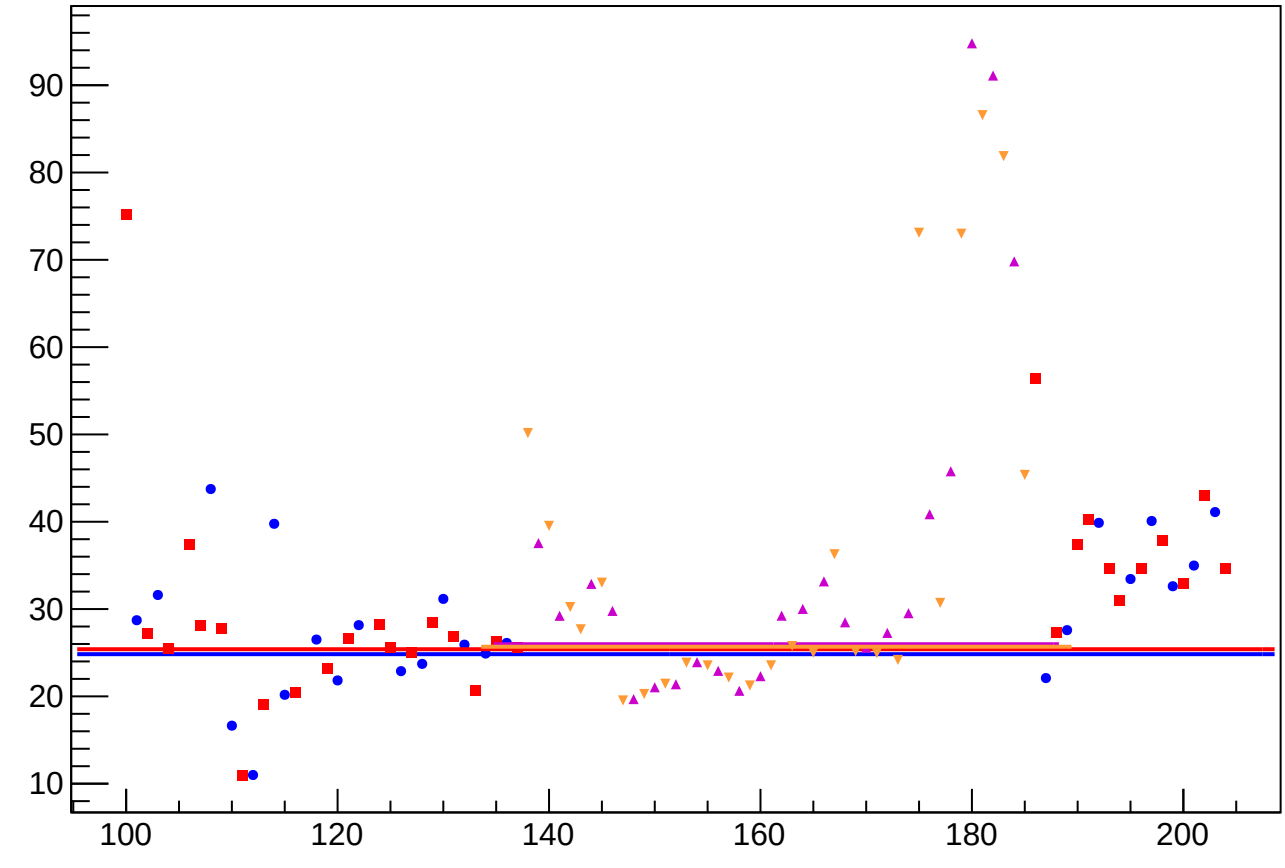
Left: -0.000+/-0.005 χ^2/NDF: 52.9/47

Right: 0.000+/-0.005 χ^2/NDF: 71.0/53

In: 0.007+/-0.005 χ^2/NDF:60.2/46

Out: -0.007+/-0.005 χ^2/NDF:59.4/54

All: -0.000+/-0.003 χ^2/NDF: 123.9/101



Right In: 24.832+/-0.005 χ^2/NDF: 2973301.4/23

Left Out: 25.685+/-0.005 χ^2/NDF:3871541.1/24

Right Out: 25.399+/-0.005 χ^2/NDF: 3056893.5/29

Left In: 25.972+/-0.005 χ^2/NDF:3118335.6/22

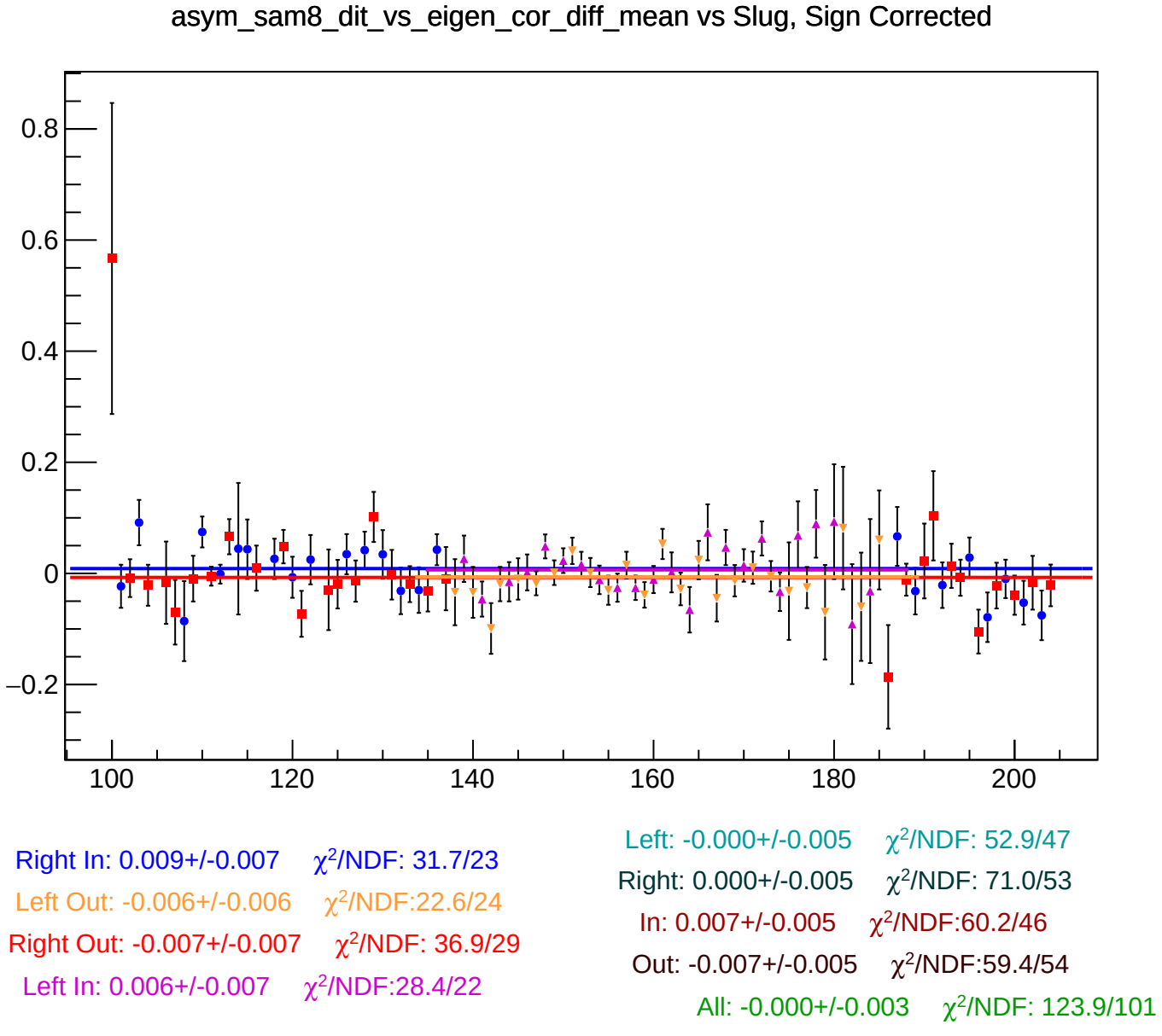
Left: 25.823+/-0.003 χ^2/NDF: 6991814.9/47

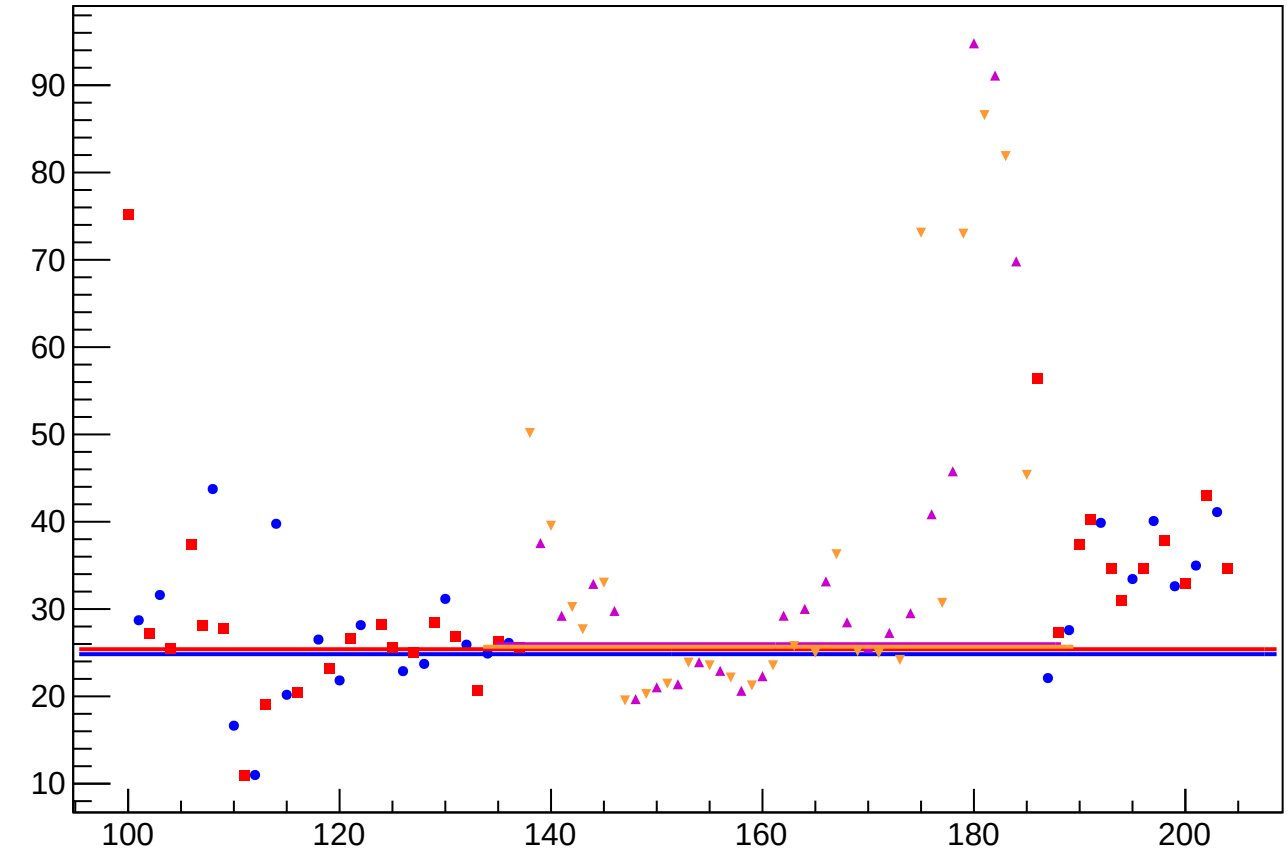
Right: 25.132+/-0.004 χ^2/NDF: 6036324.7/53

In: 25.468+/-0.004 χ^2/NDF:6117759.3/46

Out: 25.555+/-0.003 χ^2/NDF:6930246.3/54

All: 25.514+/-0.002 χ^2/NDF: 13048328.6/101


asym_sam8_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.8
0.6
0.4
0.2
0
−0.2
100
120
140
160
180
200
Right In: 0.009+/-0.007 χ²/NDF: 31.7/23
Left Out: -0.006+/-0.006 χ²/NDF:22.6/24
Right Out: -0.007+/-0.007 χ²/NDF: 36.9/29
Left In: 0.006+/-0.007 χ²/NDF:28.4/22
Left: -0.000+/-0.005 χ²/NDF: 52.9/47
Right: 0.000+/-0.005 χ²/NDF: 71.0/53
In: 0.007+/-0.005 χ²/NDF:60.2/46
Out: -0.007+/-0.005 χ²/NDF:59.4/54
All: -0.000+/-0.003 χ²/NDF: 123.9/101



Right In: 24.832+/-0.005 χ^2/NDF: 2973301.4/23

Left Out: 25.685+/-0.005 χ^2/NDF:3871541.1/24

Right Out: 25.399+/-0.005 χ^2/NDF: 3056893.5/29

Left In: 25.972+/-0.005 χ^2/NDF:3118335.6/22

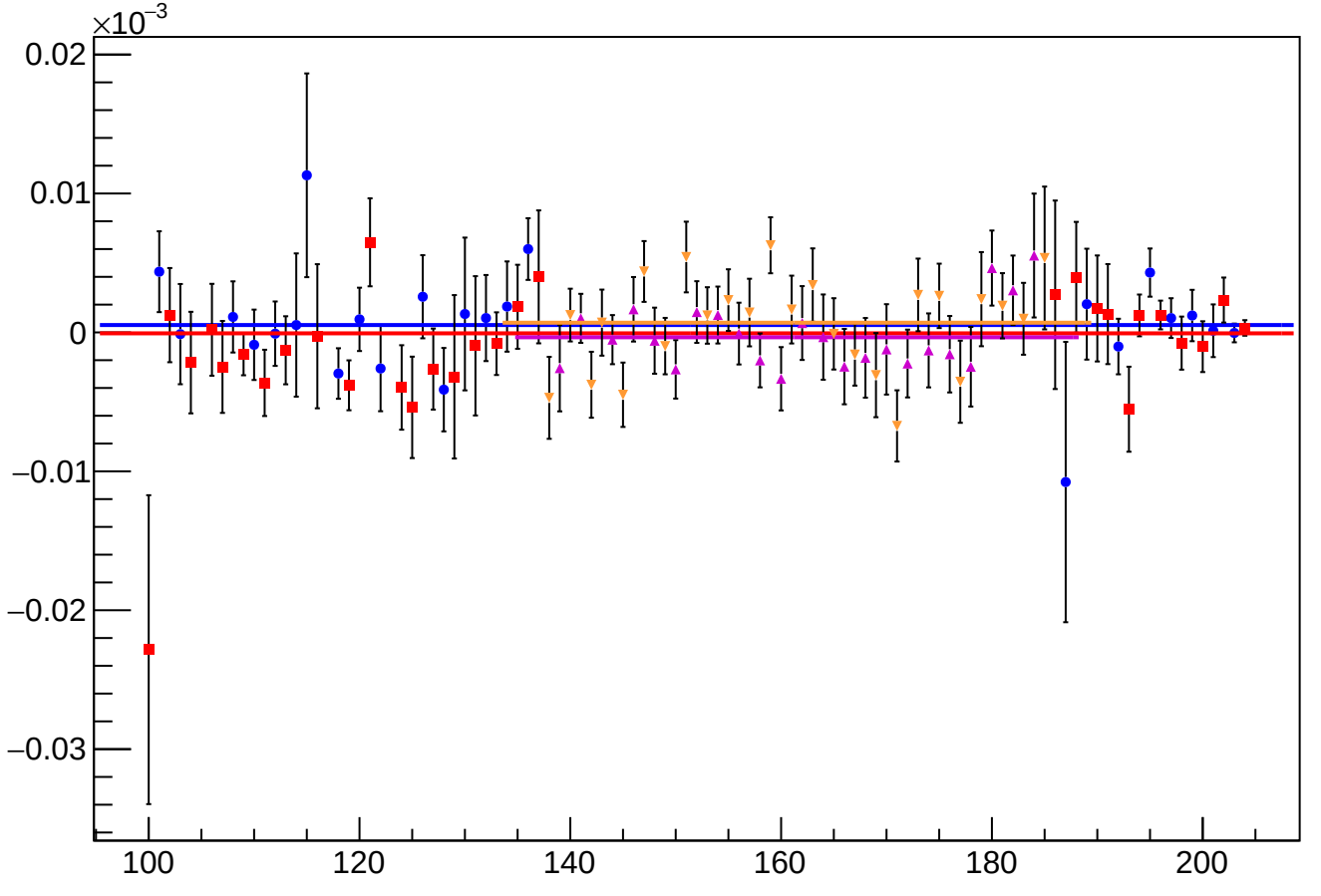
Left: 25.823+/-0.003 χ^2/NDF: 6991814.9/47

Right: 25.132+/-0.004 χ^2/NDF: 6036324.7/53

In: 25.468+/-0.004 χ^2/NDF:6117759.3/46

Out: 25.555+/-0.003 χ^2/NDF:6930246.3/54

All: 25.514+/-0.002 χ^2/NDF: 13048328.6/101



Right In: 0.000+/-0.000 χ^2/NDF: 26.0/23

Left Out: 0.000+/-0.000 χ^2/NDF:44.3/24

Right Out: -0.000+/-0.000 χ^2/NDF: 33.6/29

Left In: -0.000+/-0.000 χ^2/NDF:16.4/22

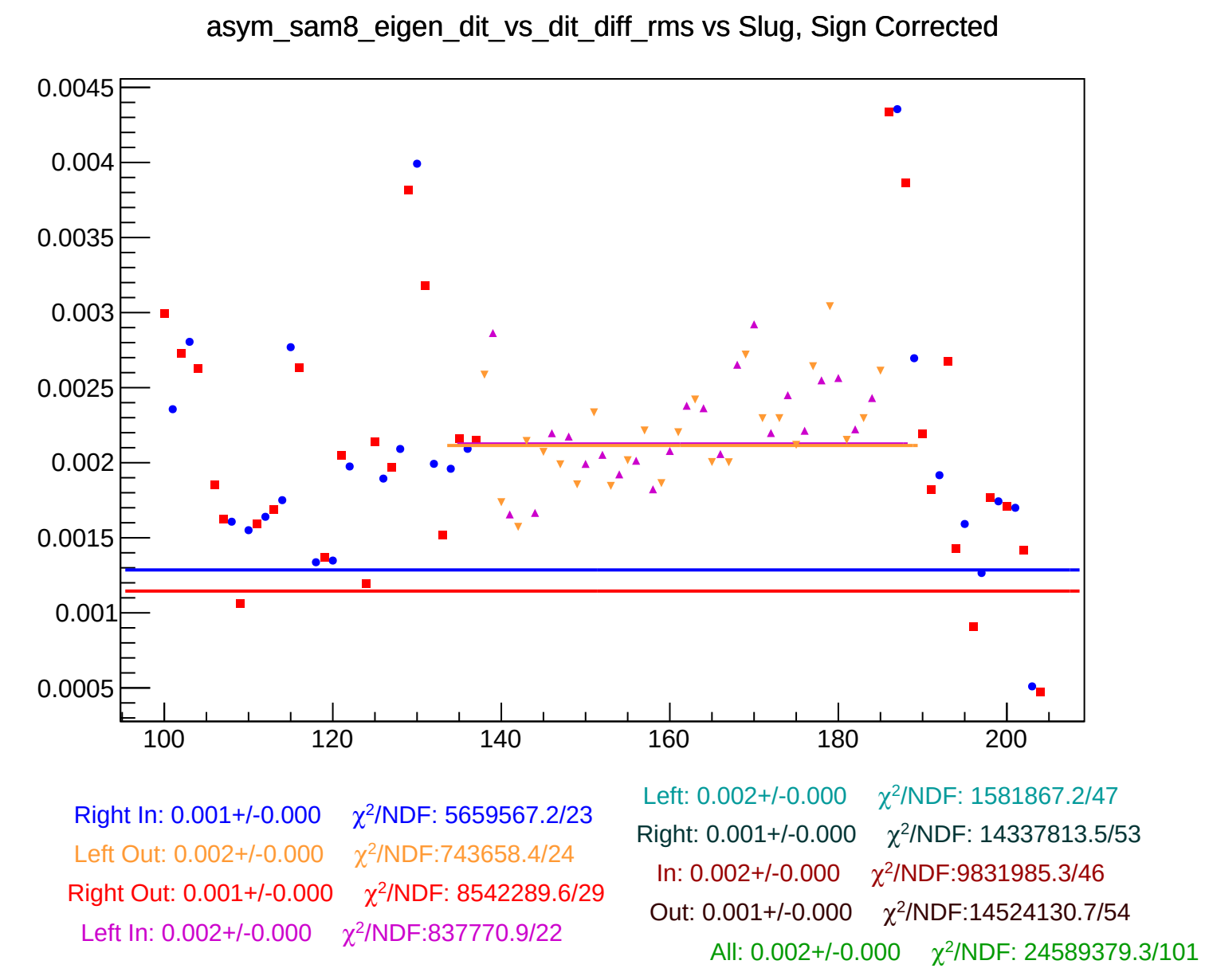
Left: 0.000+/-0.000 χ^2/NDF: 62.9/47

Right: 0.000+/-0.000 χ^2/NDF: 60.9/53

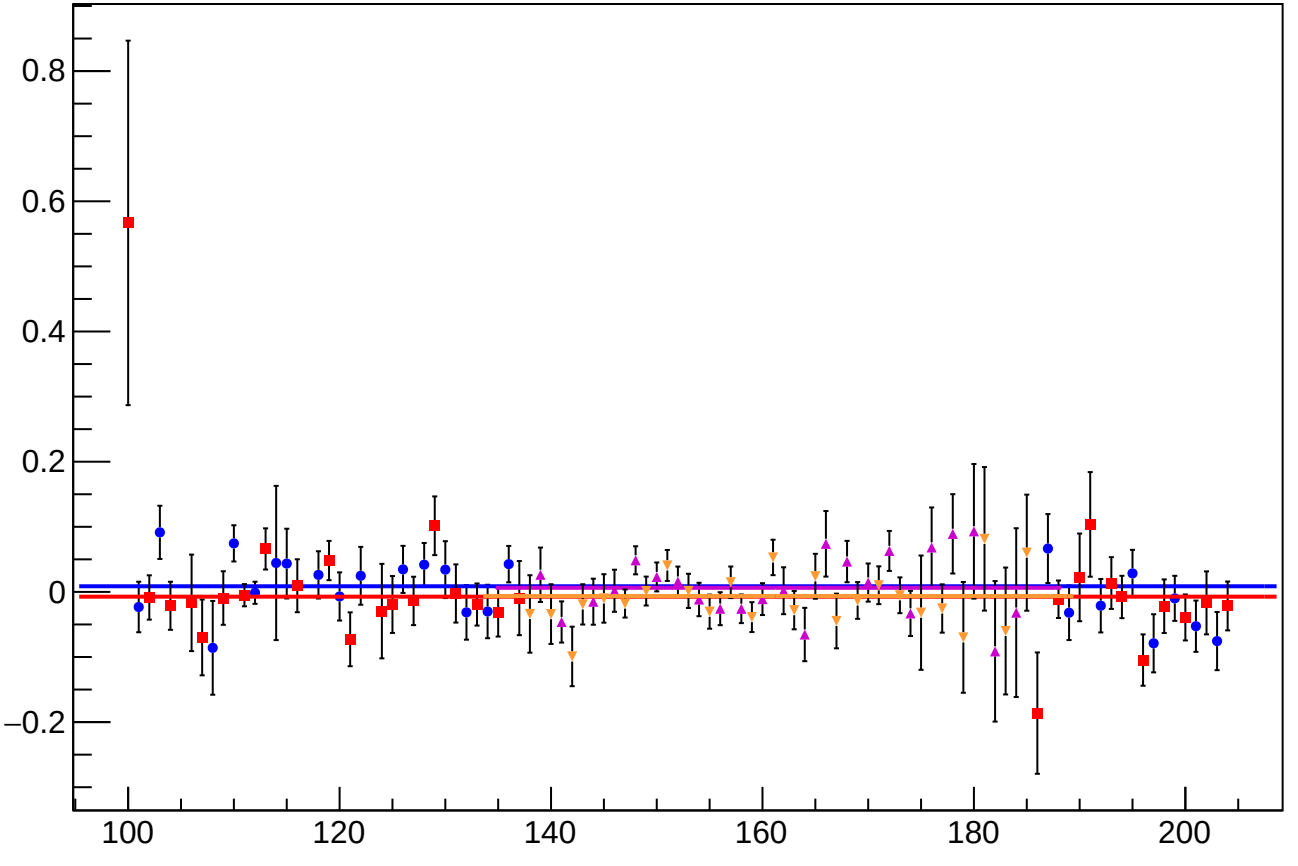
In: 0.000+/-0.000 χ^2/NDF:44.2/46

Out: 0.000+/-0.000 χ^2/NDF:79.6/54

All: 0.000+/-0.000 χ^2/NDF: 123.8/101


asym_sam8_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.0045
0.004
0.0035
0.003
0.0025
0.002
0.0015
0.001
0.0005
100
120
140
160
180
200
Right In: 0.001+/-0.000 χ²/NDF: 5659567.2/23
Left Out: 0.002+/-0.000 χ²/NDF:743658.4/24
Right Out: 0.001+/-0.000 χ²/NDF: 8542289.6/29
Left In: 0.002+/-0.000 χ²/NDF:837770.9/22
Left: 0.002+/-0.000 χ²/NDF: 1581867.2/47
Right: 0.001+/-0.000 χ²/NDF: 14337813.5/53
In: 0.002+/-0.000 χ²/NDF:9831985.3/46
Out: 0.001+/-0.000 χ²/NDF:14524130.7/54
All: 0.002+/-0.000 χ²/NDF: 24589379.3/101

asym_sam8_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.007 χ^2/NDF: 31.7/23

Left Out: -0.006+/-0.006 χ^2/NDF:22.6/24

Right Out: -0.007+/-0.007 χ^2/NDF: 36.9/29

Left In: 0.006+/-0.007 χ^2/NDF:28.4/22

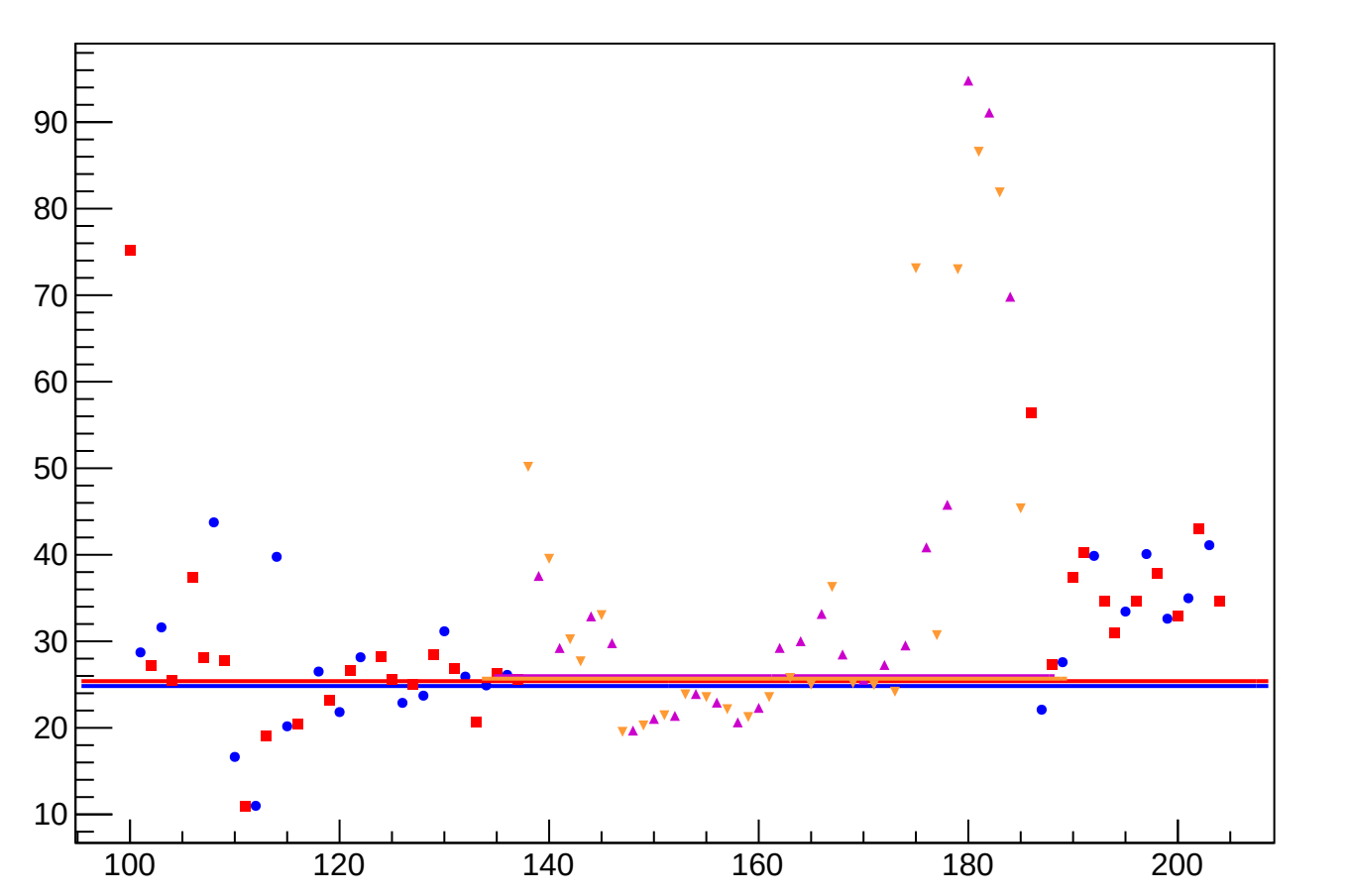
Left: -0.000+/-0.005 χ^2/NDF: 52.9/47

Right: 0.000+/-0.005 χ^2/NDF: 71.0/53

In: 0.007+/-0.005 χ^2/NDF:60.2/46

Out: -0.007+/-0.005 χ^2/NDF:59.4/54

All: -0.000+/-0.003 χ^2/NDF: 123.9/101



Right In: 24.832+/-0.005 χ^2/NDF: 2973559.4/23

Left Out: 25.685+/-0.005 χ^2/NDF:3871544.4/24

Right Out: 25.398+/-0.005 χ^2/NDF: 3057167.2/29

Left In: 25.972+/-0.005 χ^2/NDF:3118315.0/22

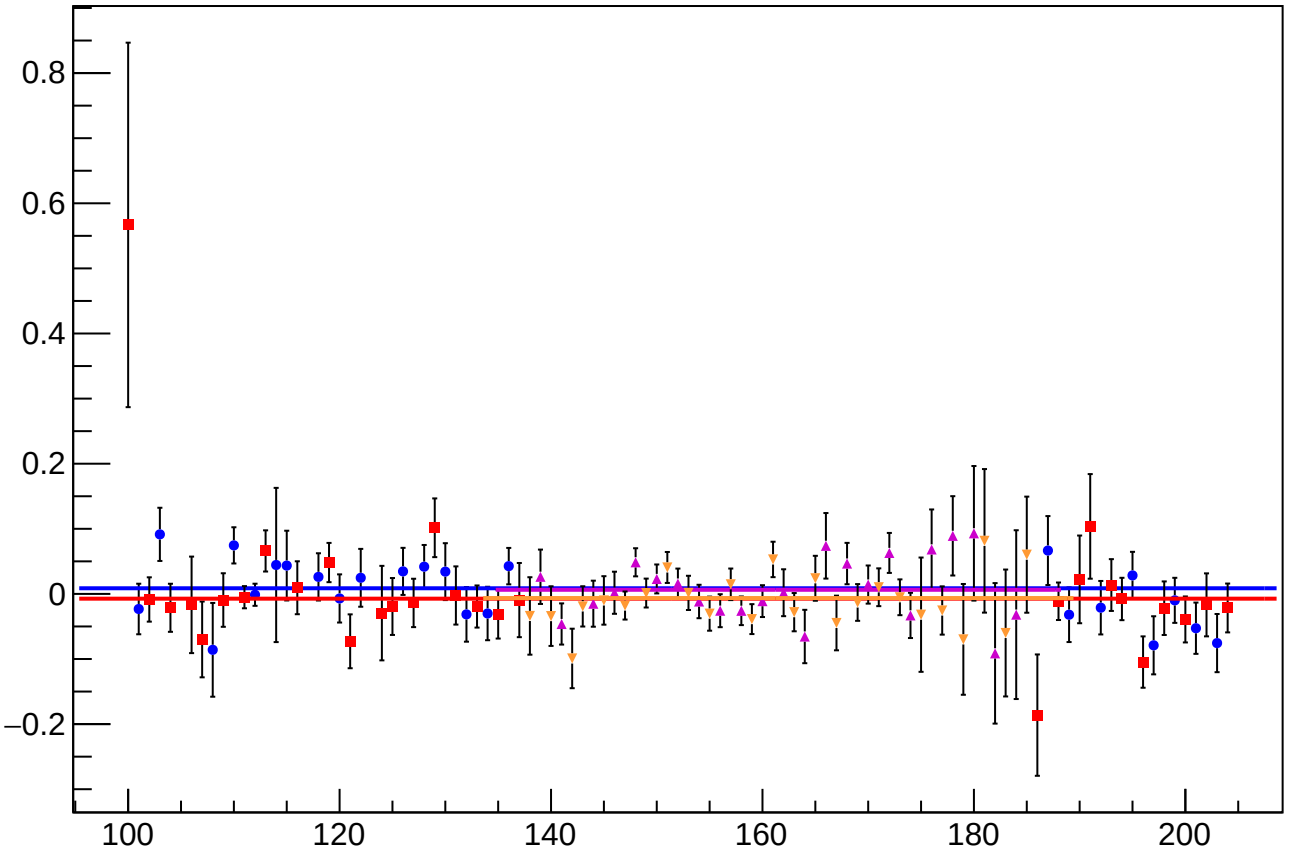
Left: 25.823+/-0.003 χ^2/NDF: 6991798.2/47

Right: 25.132+/-0.004 χ^2/NDF: 6036855.2/53

In: 25.468+/-0.004 χ^2/NDF:6118028.6/46

Out: 25.555+/-0.003 χ^2/NDF:6930532.6/54

All: 25.514+/-0.002 χ^2/NDF: 13048883.8/101



Right In: 0.009+/-0.007 χ^2/NDF: 31.7/23

Left Out: -0.006+/-0.006 χ^2/NDF:22.6/24

Right Out: -0.007+/-0.007 χ^2/NDF: 36.9/29

Left In: 0.006+/-0.007 χ^2/NDF:28.4/22

Left: -0.000+/-0.005 χ^2/NDF: 52.9/47

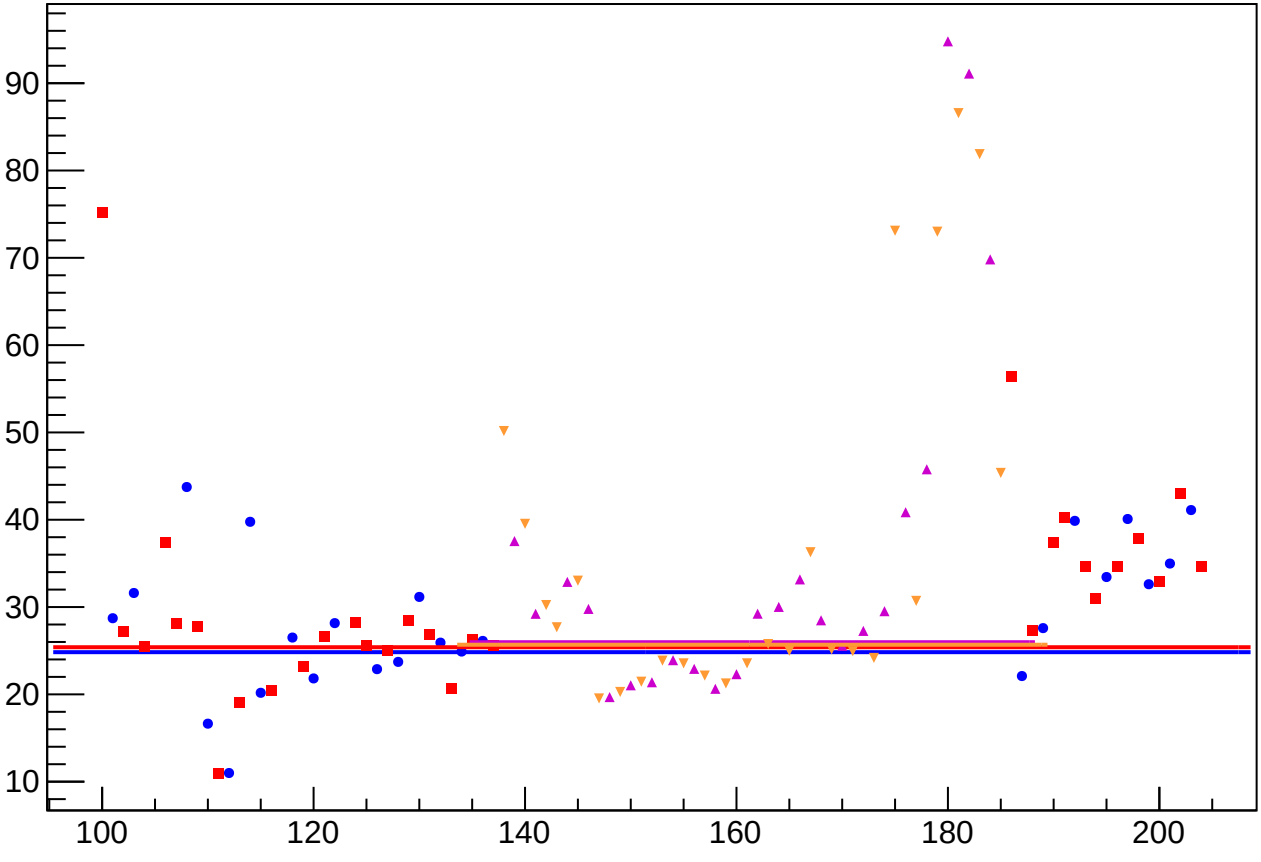
Right: 0.000+/-0.005 χ^2/NDF: 71.0/53

In: 0.007+/-0.005 χ^2/NDF:60.2/46

Out: -0.007+/-0.005 χ^2/NDF:59.4/54

All: -0.000+/-0.003 χ^2/NDF: 123.9/101

asym_sam8_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 24.832+/-0.005 χ^2/NDF: 2973559.4/23

Left Out: 25.685+/-0.005 χ^2/NDF:3871544.4/24

Right Out: 25.398+/-0.005 χ^2/NDF: 3057167.2/29

Left In: 25.972+/-0.005 χ^2/NDF:3118315.0/22

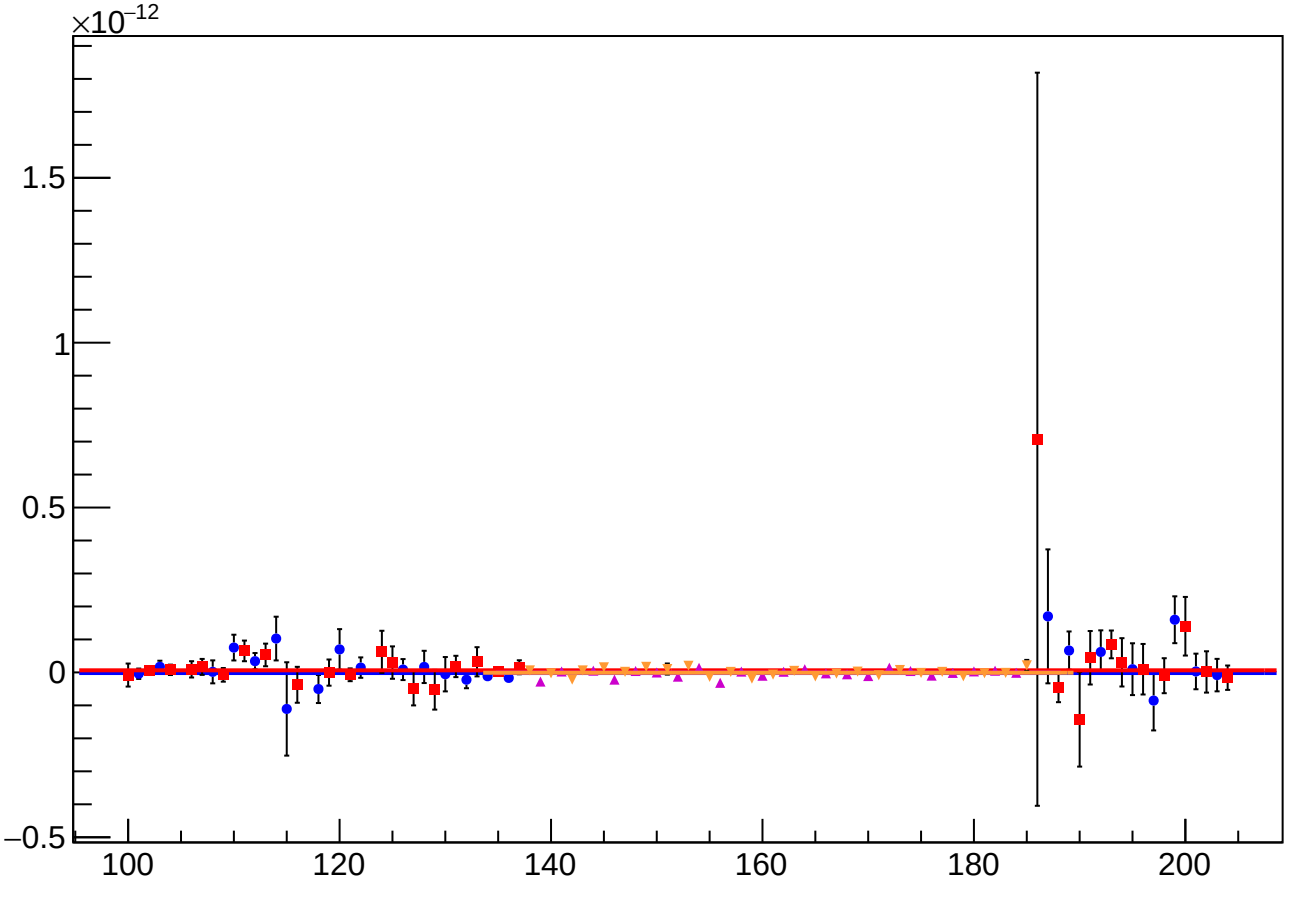
Left: 25.823+/-0.003 χ^2/NDF: 6991798.2/47

Right: 25.132+/-0.004 χ^2/NDF: 6036855.2/53

In: 25.468+/-0.004 χ^2/NDF:6118028.6/46

Out: 25.555+/-0.003 χ^2/NDF:6930532.6/54

All: 25.514+/-0.002 χ^2/NDF: 13048883.8/101



Right In: -0.000+/-0.000 χ^2/NDF: 26.4/23

Left Out: -0.000+/-0.000 χ^2/NDF:28.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 20.7/29

Left In: -0.000+/-0.000 χ^2/NDF:29.7/22

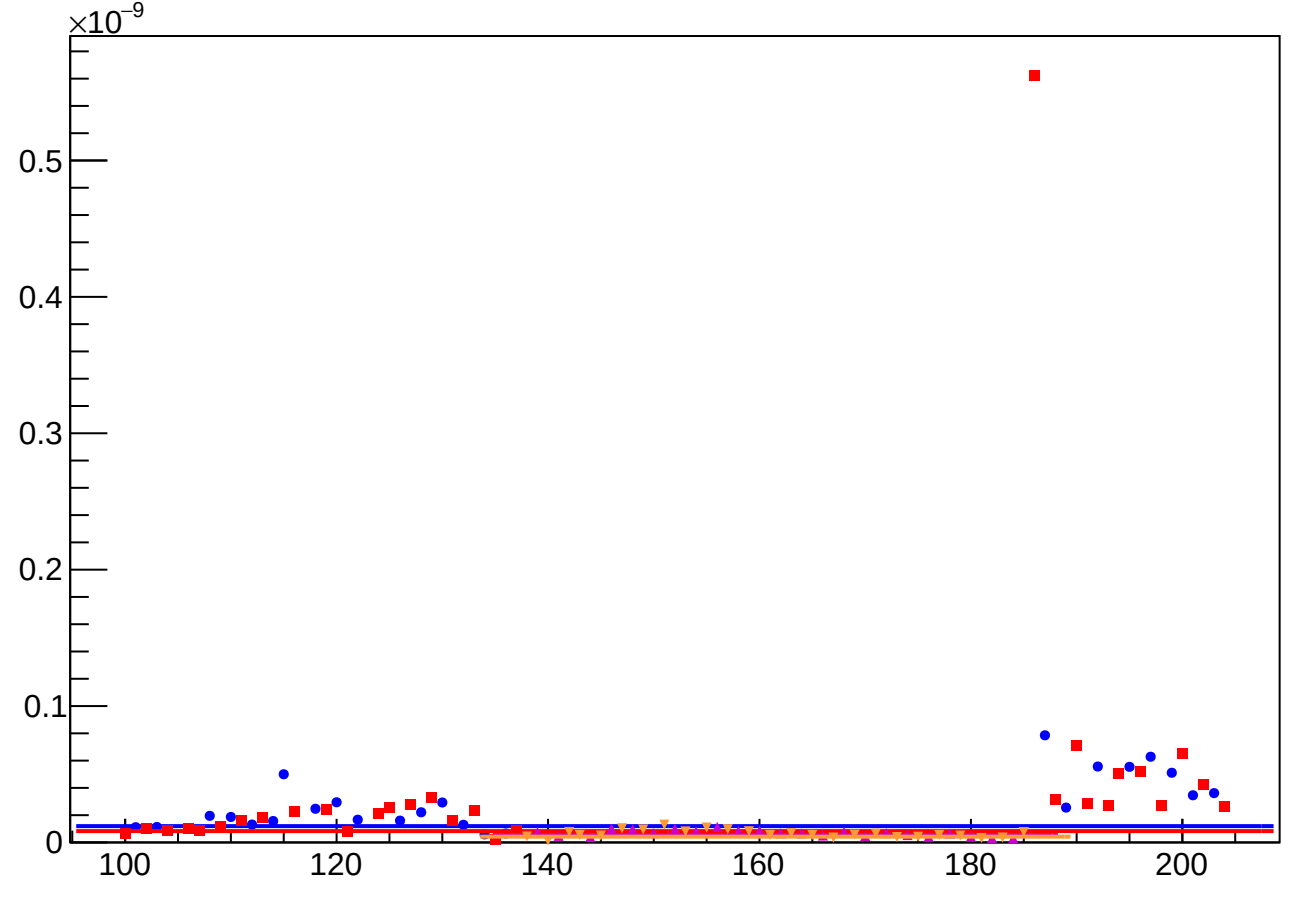
Left: -0.000+/-0.000 χ^2/NDF: 58.5/47

Right: 0.000+/-0.000 χ^2/NDF: 48.6/53

In: -0.000+/-0.000 χ^2/NDF:56.1/46

Out: -0.000+/-0.000 χ^2/NDF:52.2/54

All: -0.000+/-0.000 χ^2/NDF: 108.4/101



Right In: 0.000+/-0.000 χ^2/NDF: 6029953.3/23

Left Out: 0.000+/-0.000 χ^2/NDF:5399109.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9682992.5/29

Left In: 0.000+/-0.000 χ^2/NDF:2811616.7/22

Left: 0.000+/-0.000 χ^2/NDF: 8813295.5/47

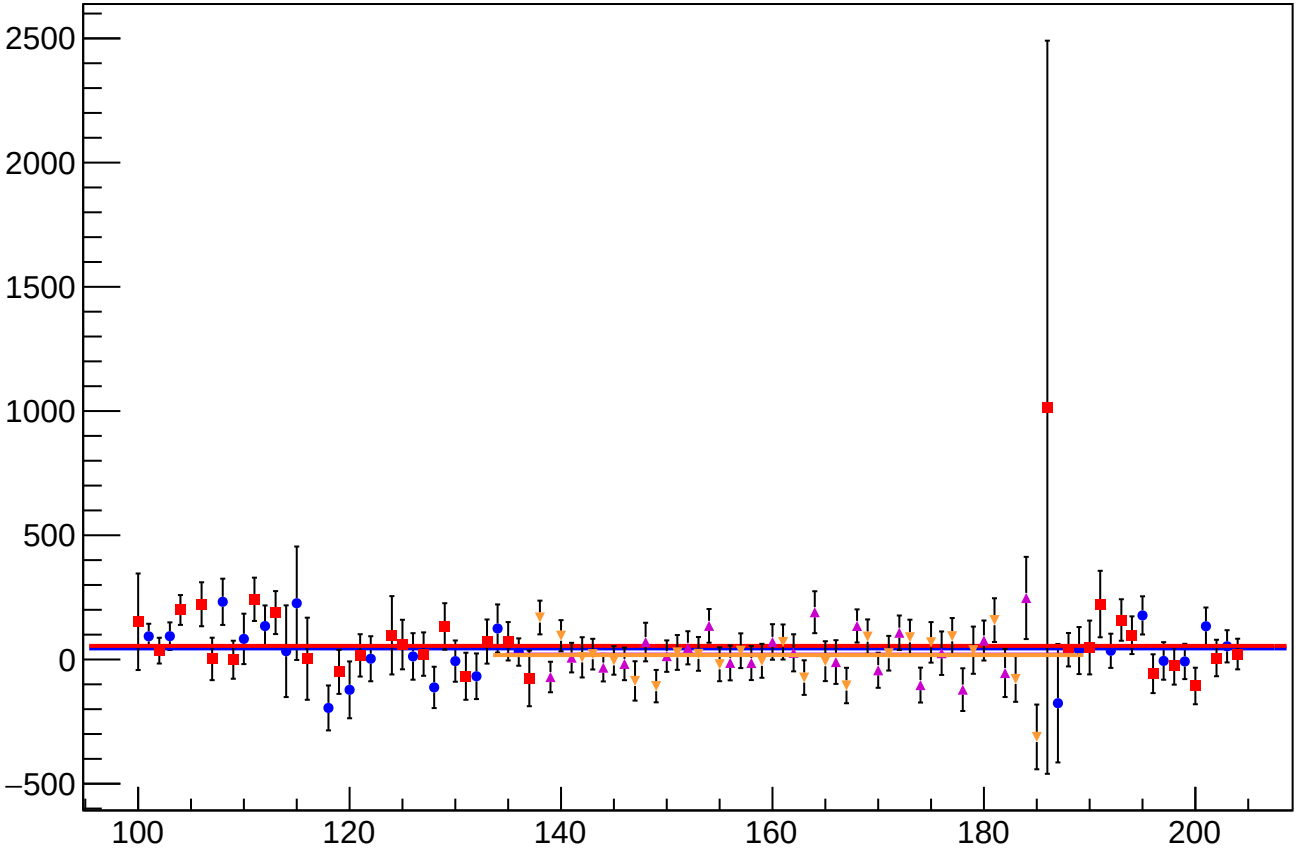
Right: 0.000+/-0.000 χ^2/NDF: 16285226.3/53

In: 0.000+/-0.000 χ^2/NDF:11536535.1/46

Out: 0.000+/-0.000 χ^2/NDF:16762052.8/54

All: 0.000+/-0.000 χ^2/NDF: 29181349.1/101

reg_asym_sam_15_avg_mean vs Slug, Sign Corrected



Right In: 44.629+/-16.447 χ^2/NDF: 29.7/23

Left Out: 17.800+/-14.495 χ^2/NDF:31.6/24

Right Out: 54.722+/-15.442 χ^2/NDF: 36.0/29

Left In: 19.642+/-15.040 χ^2/NDF:26.2/22

Left: 18.687+/-10.437 χ^2/NDF: 57.8/47

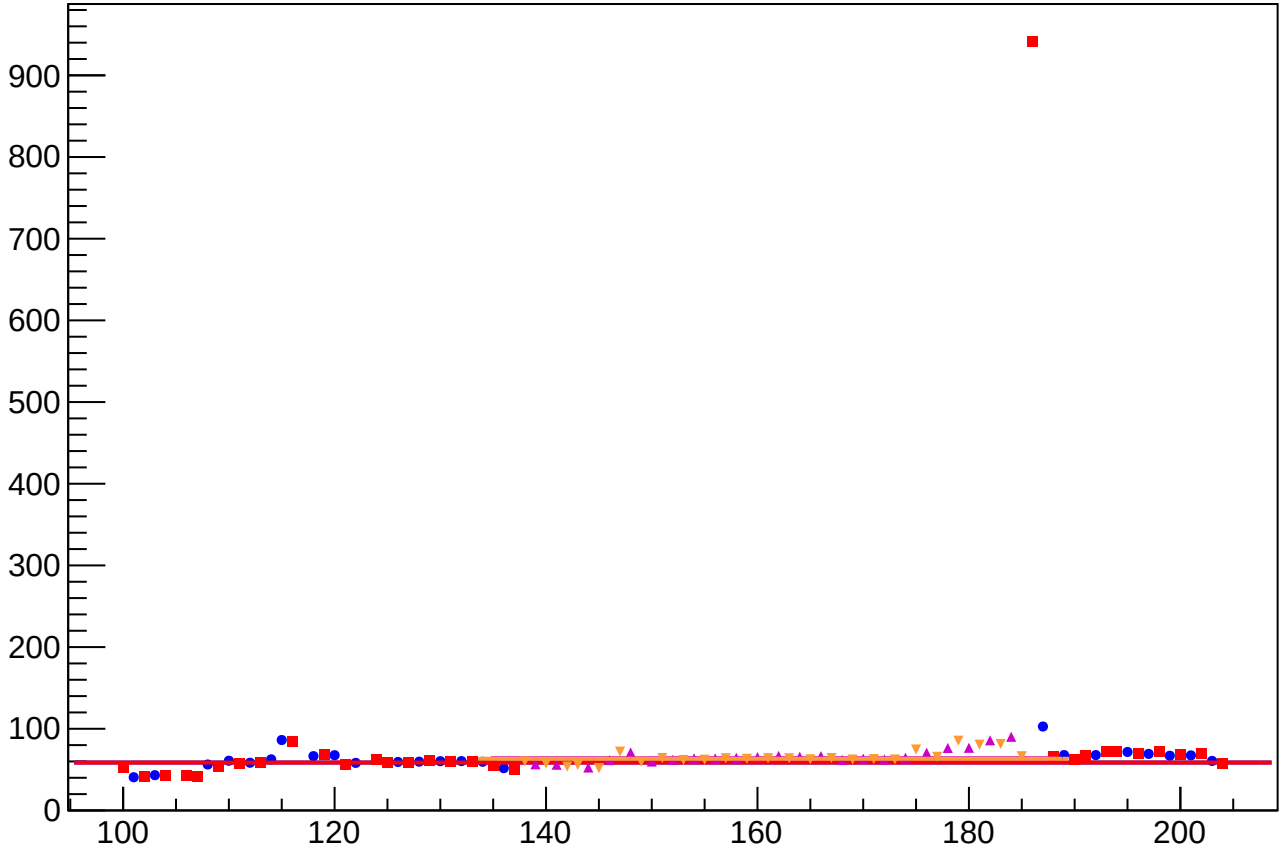
Right: 49.993+/-11.257 χ^2/NDF: 65.9/53

In: 31.022+/-11.099 χ^2/NDF:57.2/46

Out: 35.095+/-10.568 χ^2/NDF:70.6/54

All: 33.158+/-7.654 χ^2/NDF: 127.9/101

reg_asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 58.673+/-0.012 χ^2/NDF: 776407.3/23

Left Out: 63.312+/-0.010 χ^2/NDF:497429.6/24

Right Out: 58.666+/-0.011 χ^2/NDF: 1647610.8/29

Left In: 63.918+/-0.011 χ^2/NDF:445309.5/22

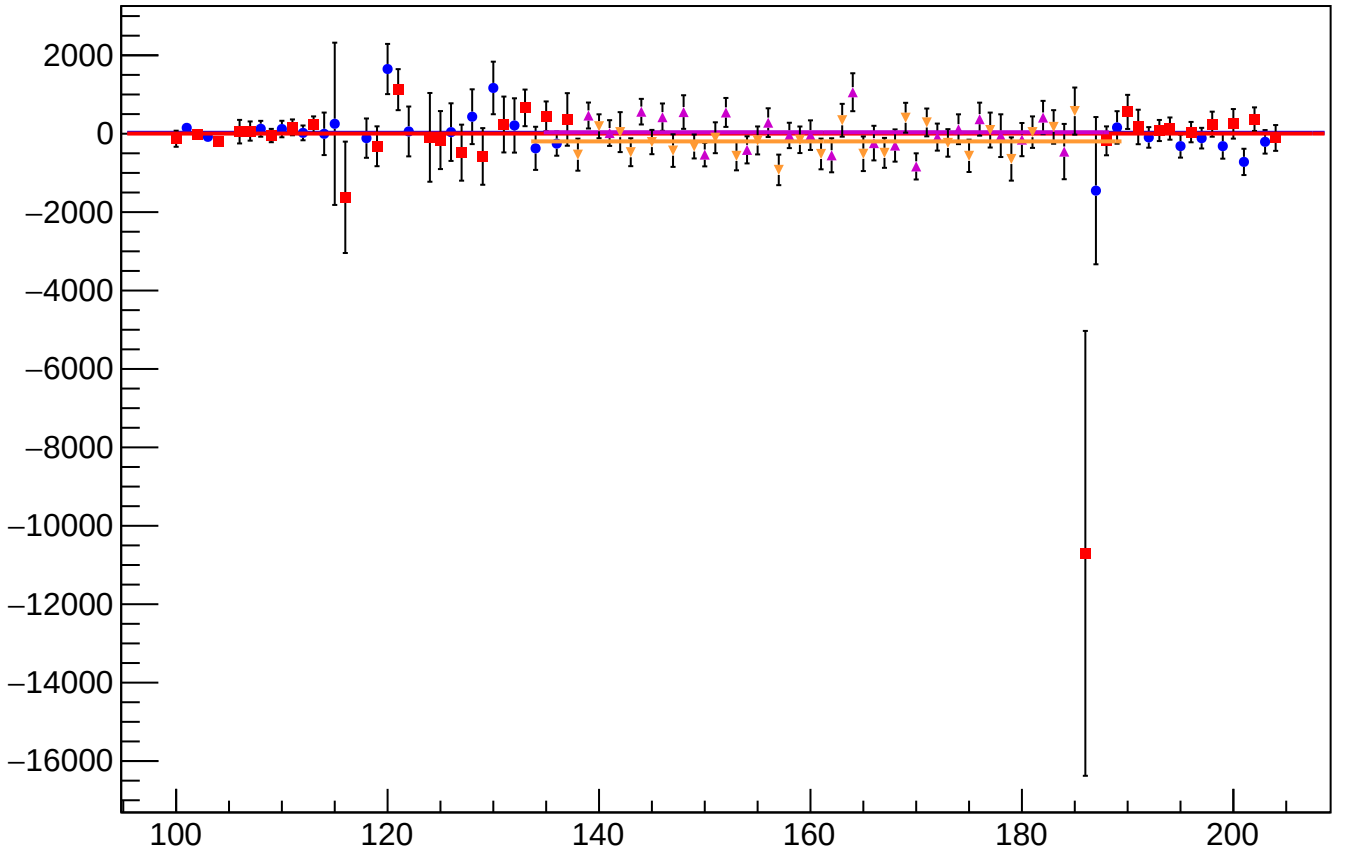
Left: 63.604+/-0.007 χ^2/NDF: 944421.1/47

Right: 58.670+/-0.008 χ^2/NDF: 2424018.4/53

In: 61.530+/-0.008 χ^2/NDF:1332490.2/46

Out: 61.136+/-0.007 χ^2/NDF:2241283.4/54

All: 61.323+/-0.005 χ^2/NDF: 3575091.1/101



Right In: 23.204+/-43.060 χ^2/NDF: 25.7/23

Left Out: -195.947+/-77.088 χ^2/NDF:20.6/24

Right Out: 3.558+/-45.109 χ^2/NDF: 26.9/29

Left In: 36.417+/-79.210 χ^2/NDF:31.1/22

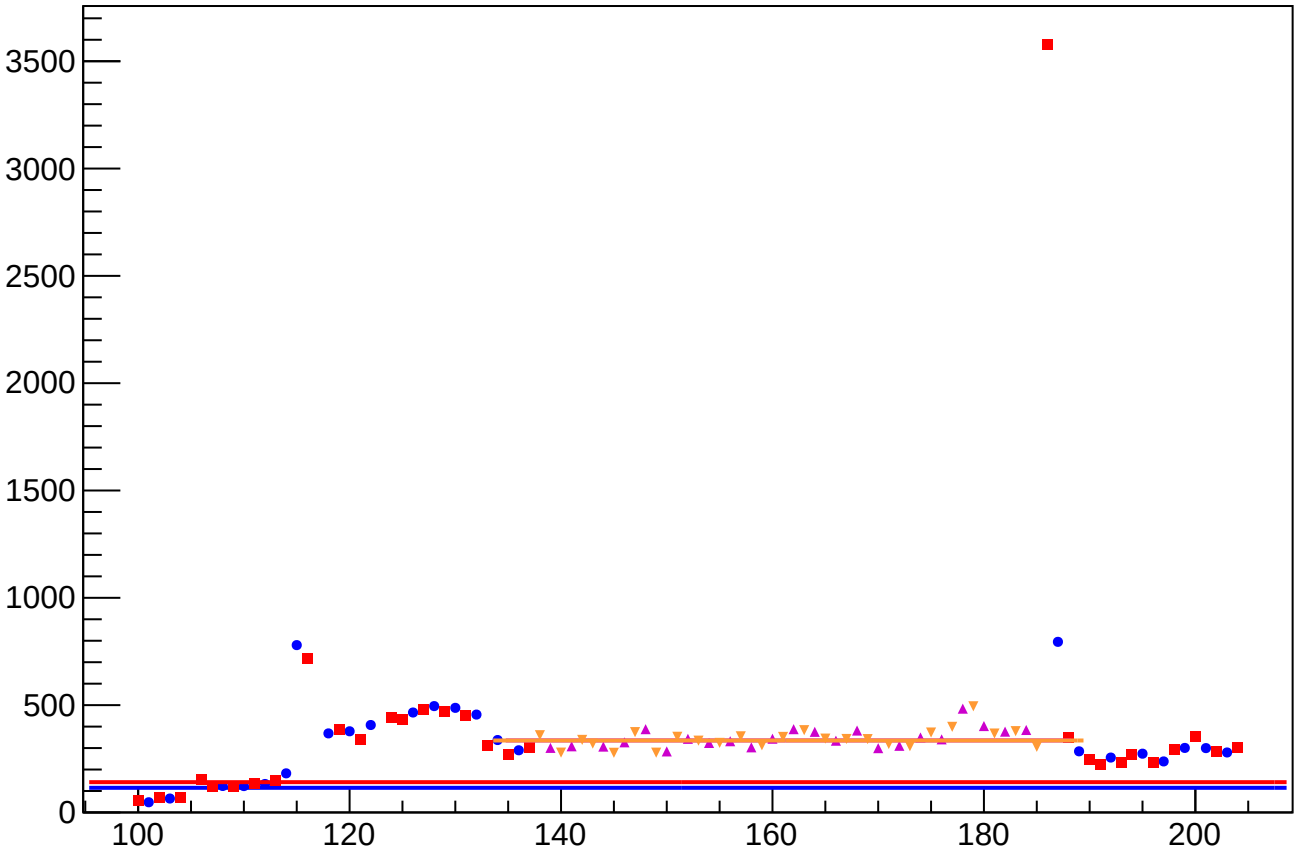
Left: -82.919+/-55.244 χ^2/NDF: 56.1/47

Right: 13.838+/-31.147 χ^2/NDF: 52.7/53

In: 26.218+/-37.831 χ^2/NDF:56.8/46

Out: -47.330+/-38.933 χ^2/NDF:52.5/54

All: -9.500+/-27.132 χ^2/NDF: 111.1/101



Right In: 114.868+/-0.030 χ^2/NDF: 11365851.3/23

Left Out: 335.271+/-0.055 χ^2/NDF:563801.0/24

Right Out: 141.114+/-0.032 χ^2/NDF: 10694094.8/29

Left In: 335.526+/-0.056 χ^2/NDF:495163.6/22

Left: 335.395+/-0.039 χ^2/NDF: 1058975.3/47

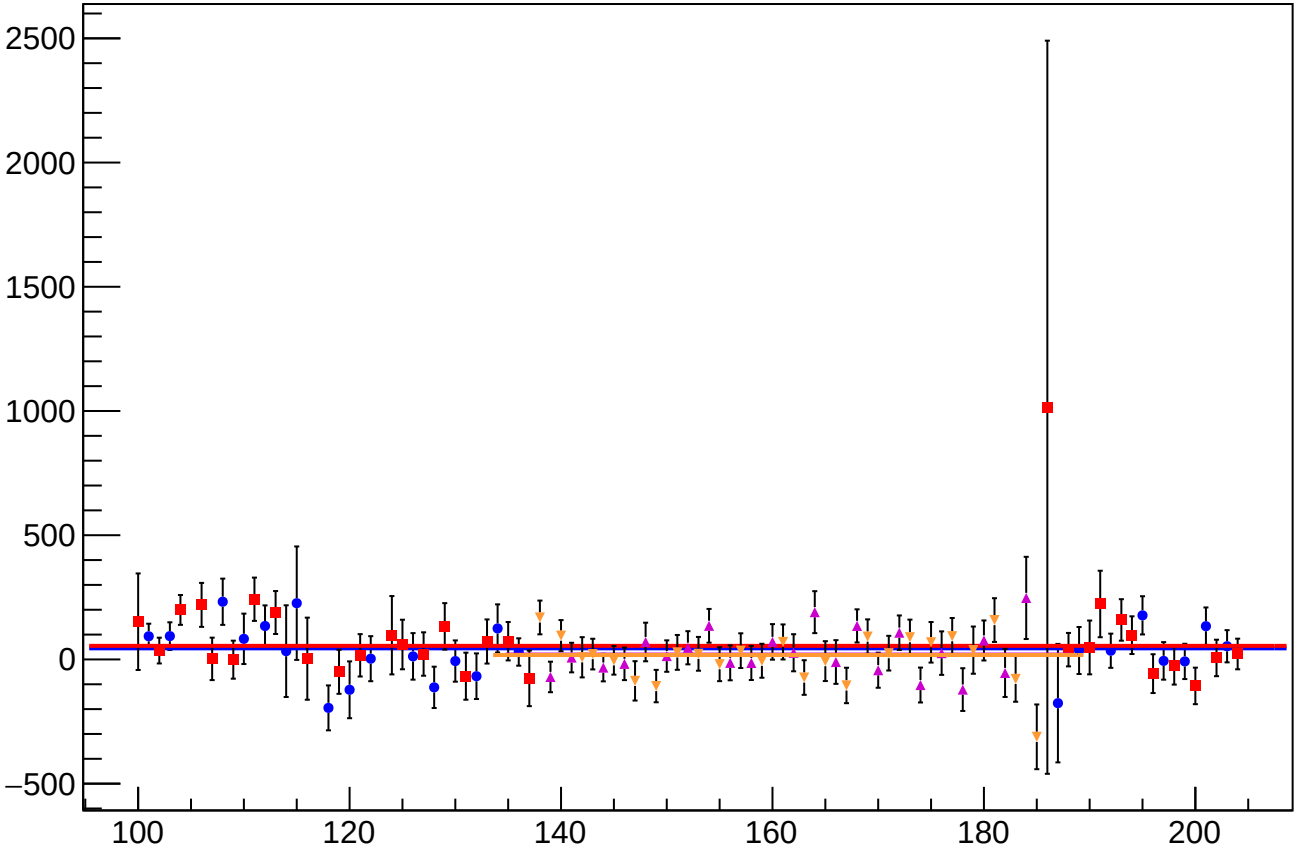
Right: 127.382+/-0.022 χ^2/NDF: 22414207.5/53

In: 165.202+/-0.027 χ^2/NDF:23841293.7/46

Out: 190.638+/-0.028 χ^2/NDF:20708825.2/54

All: 177.555+/-0.019 χ^2/NDF: 44989212.3/10

cor_asym_sam_15_avg_mean vs Slug, Sign Corrected



Right In: 44.638+/-16.447 χ^2/NDF: 29.7/23

Left Out: 17.804+/-14.495 χ^2/NDF:31.6/24

Right Out: 54.639+/-15.442 χ^2/NDF: 35.9/29

Left In: 19.642+/-15.040 χ^2/NDF:26.2/22

Left: 18.689+/-10.437 χ^2/NDF: 57.8/47

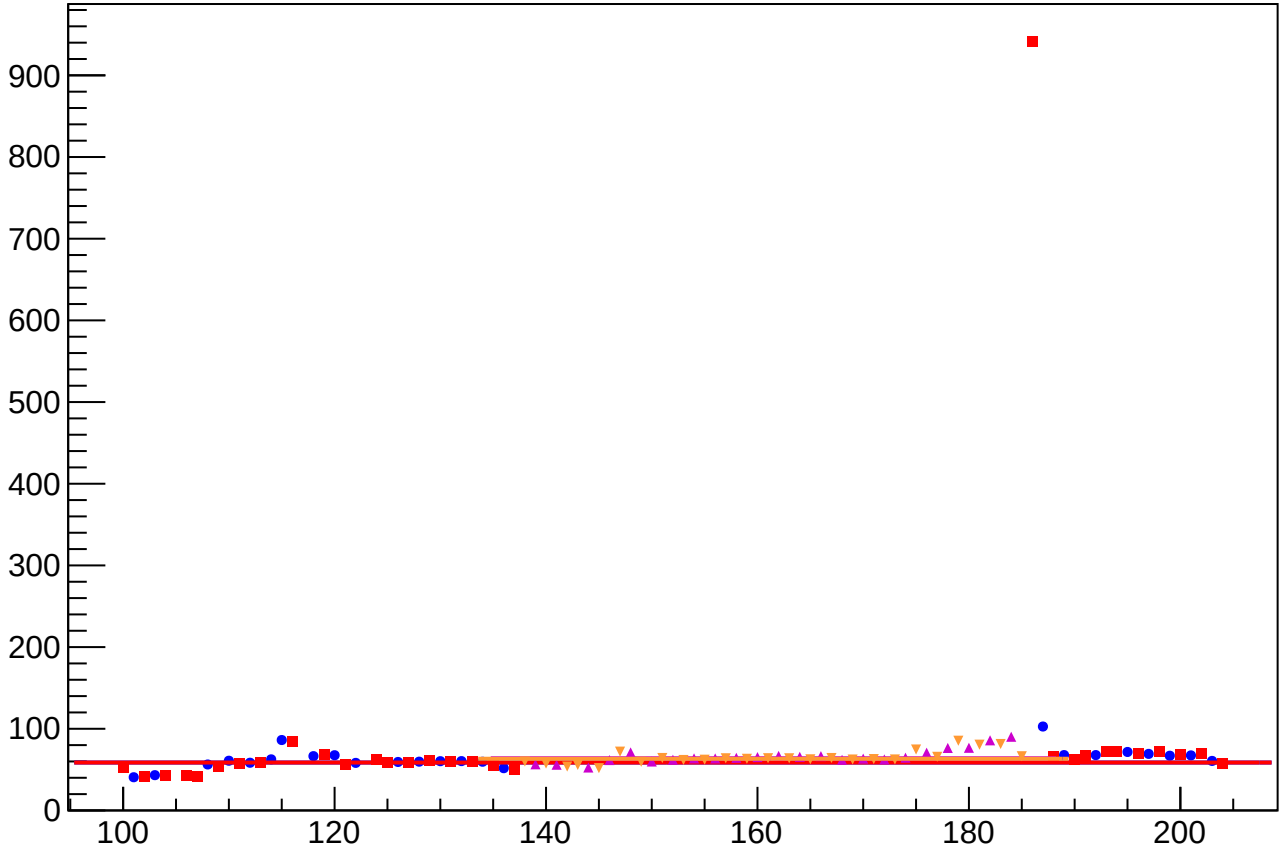
Right: 49.953+/-11.258 χ^2/NDF: 65.8/53

In: 31.025+/-11.099 χ^2/NDF:57.2/46

Out: 35.057+/-10.569 χ^2/NDF:70.5/54

All: 33.140+/-7.654 χ^2/NDF: 127.7/101

cor_asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 58.673+/-0.012 χ^2/NDF: 776406.4/23

Left Out: 63.312+/-0.010 χ^2/NDF:497429.6/24

Right Out: 58.666+/-0.011 χ^2/NDF: 1648026.6/29

Left In: 63.918+/-0.011 χ^2/NDF:445309.5/22

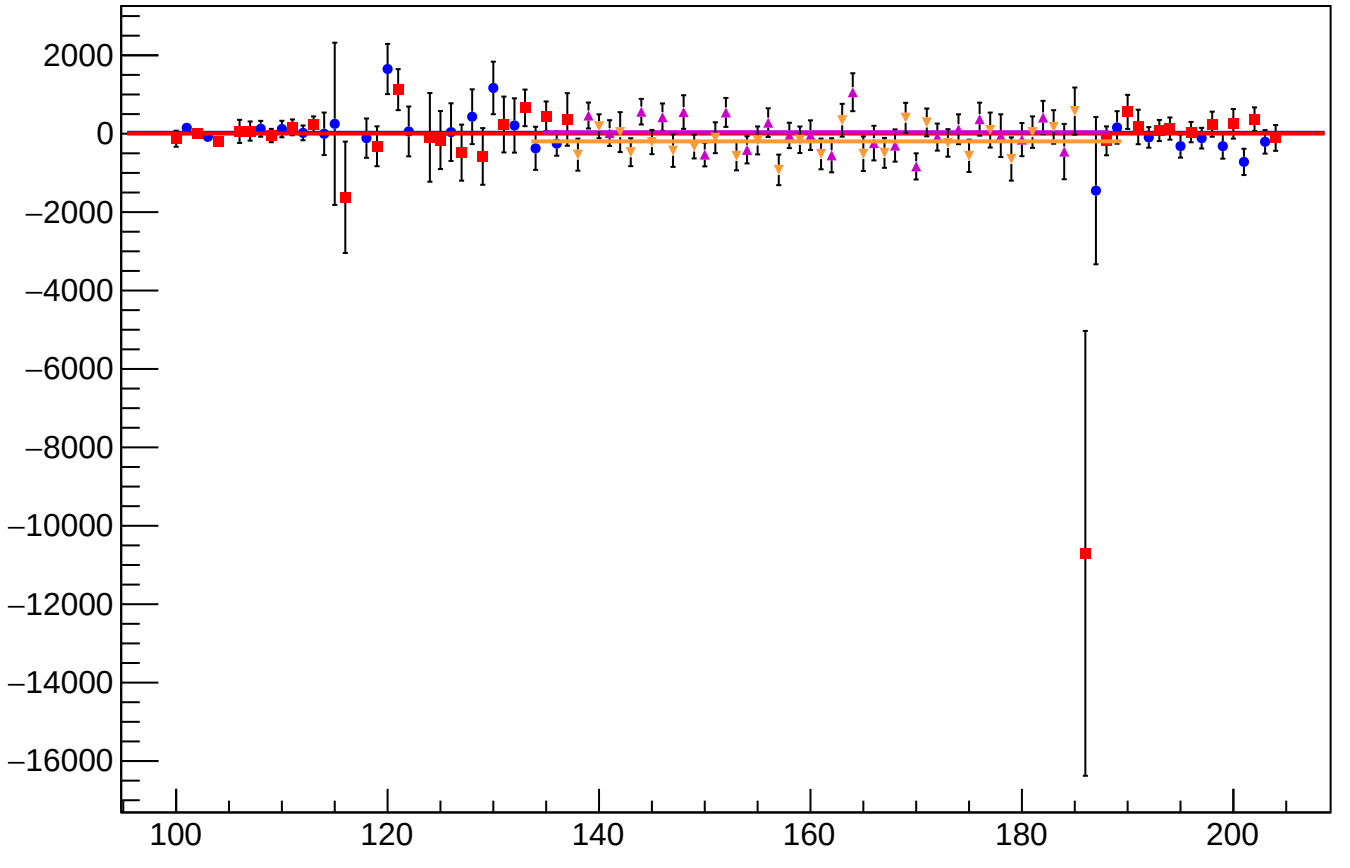
Left: 63.604+/-0.007 χ^2/NDF: 944421.2/47

Right: 58.669+/-0.008 χ^2/NDF: 2424433.2/53

In: 61.530+/-0.008 χ^2/NDF:1332489.1/46

Out: 61.136+/-0.007 χ^2/NDF:2241731.0/54

All: 61.323+/-0.005 χ^2/NDF: 3575539.5/101



Right In: 23.209+/-43.059 χ^2/NDF: 25.7/23

Left Out: -195.942+/-77.088 χ^2/NDF:20.6/24

Right Out: 3.873+/-45.078 χ^2/NDF: 26.9/29

Left In: 36.414+/-79.210 χ^2/NDF:31.1/22

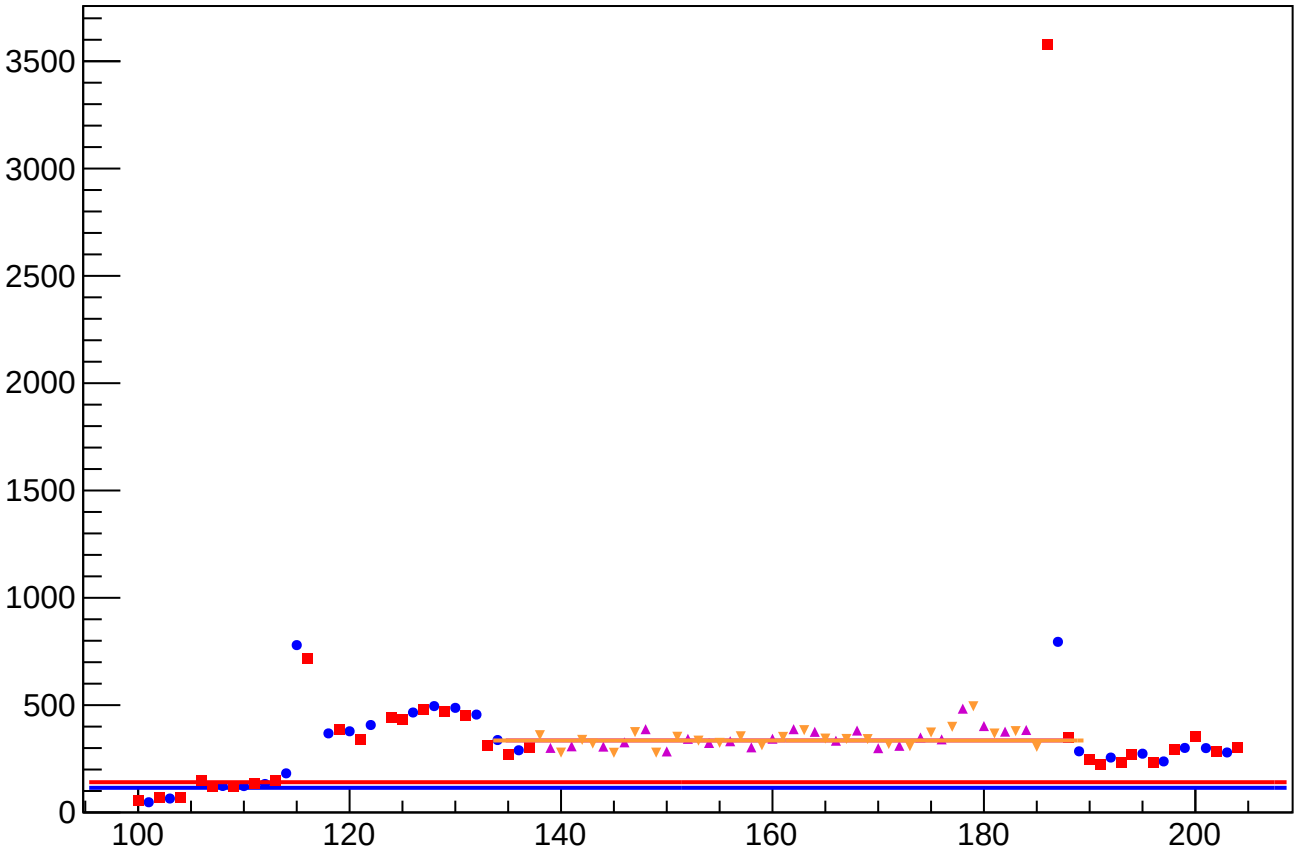
Left: -82.918+/-55.244 χ^2/NDF: 56.1/47

Right: 13.984+/-31.137 χ^2/NDF: 52.7/53

In: 26.221+/-37.831 χ^2/NDF:56.8/46

Out: -47.042+/-38.913 χ^2/NDF:52.5/54

All: -9.377+/-27.125 χ^2/NDF: 111.1/101



Right In: 114.865+/-0.030 χ^2/NDF: 11366085.7/23

Left Out: 335.271+/-0.055 χ^2/NDF:563797.0/24

Right Out: 140.926+/-0.032 χ^2/NDF: 10696798.9/29

Left In: 335.526+/-0.056 χ^2/NDF:495170.0/22

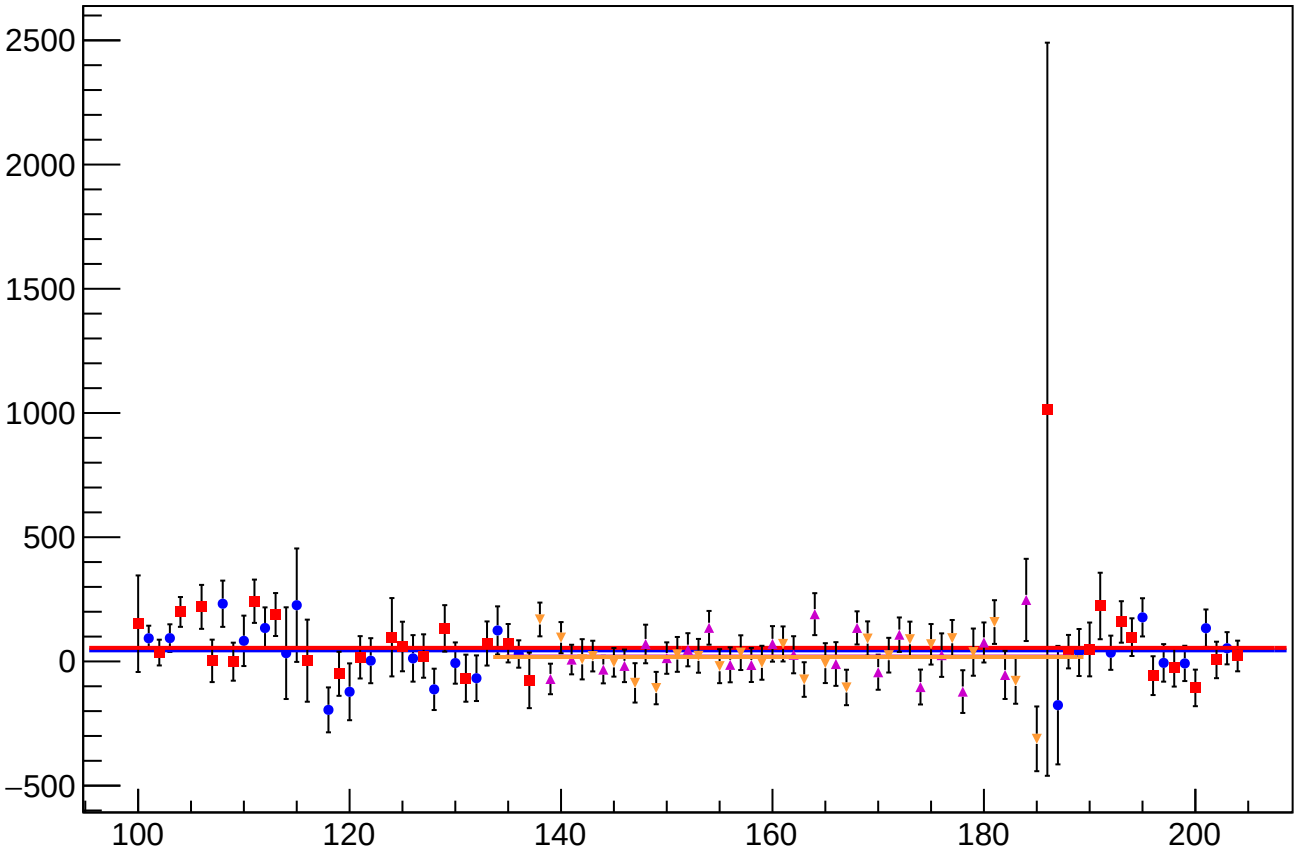
Left: 335.395+/-0.039 χ^2/NDF: 1058977.6/47

Right: 127.299+/-0.022 χ^2/NDF: 22412417.0/53

In: 165.198+/-0.027 χ^2/NDF:23841970.2/46

Out: 190.447+/-0.028 χ^2/NDF:20733201.6/54

All: 177.466+/-0.019 χ^2/NDF: 45008064.0/10



Right In: 44.638+/-16.447 χ^2/NDF: 29.7/23

Left Out: 17.804+/-14.495 χ^2/NDF:31.6/24

Right Out: 54.639+/-15.442 χ^2/NDF: 35.9/29

Left In: 19.642+/-15.040 χ^2/NDF:26.2/22

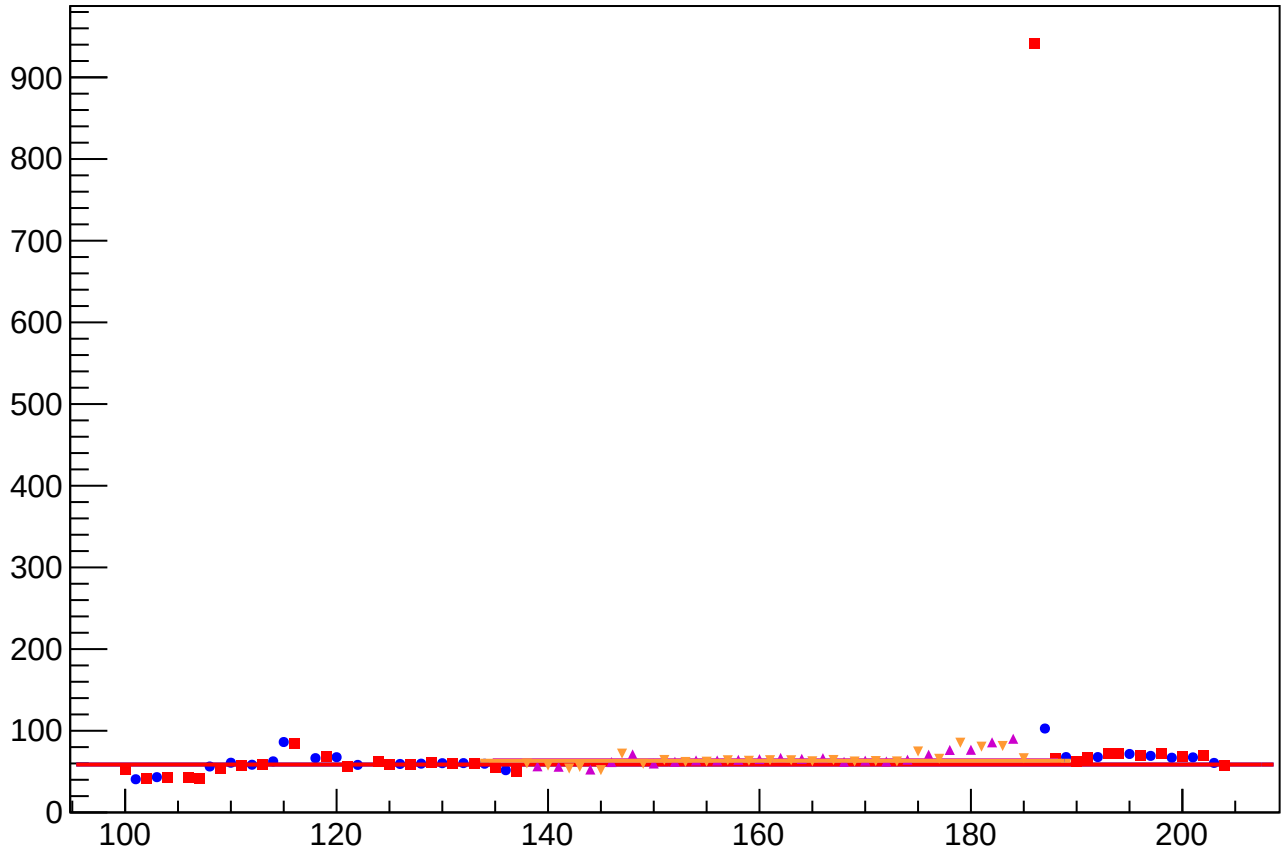
Left: 18.689+/-10.437 χ^2/NDF: 57.8/47

Right: 49.953+/-11.258 χ^2/NDF: 65.8/53

In: 31.025+/-11.099 χ^2/NDF:57.2/46

Out: 35.057+/-10.569 χ^2/NDF:70.5/54

All: 33.140+/-7.654 χ^2/NDF: 127.7/101



Right In: 58.673+/-0.012 χ^2/NDF: 776406.4/23

Left Out: 63.312+/-0.010 χ^2/NDF:497429.6/24

Right Out: 58.666+/-0.011 χ^2/NDF: 1648026.6/29

Left In: 63.918+/-0.011 χ^2/NDF:445309.5/22

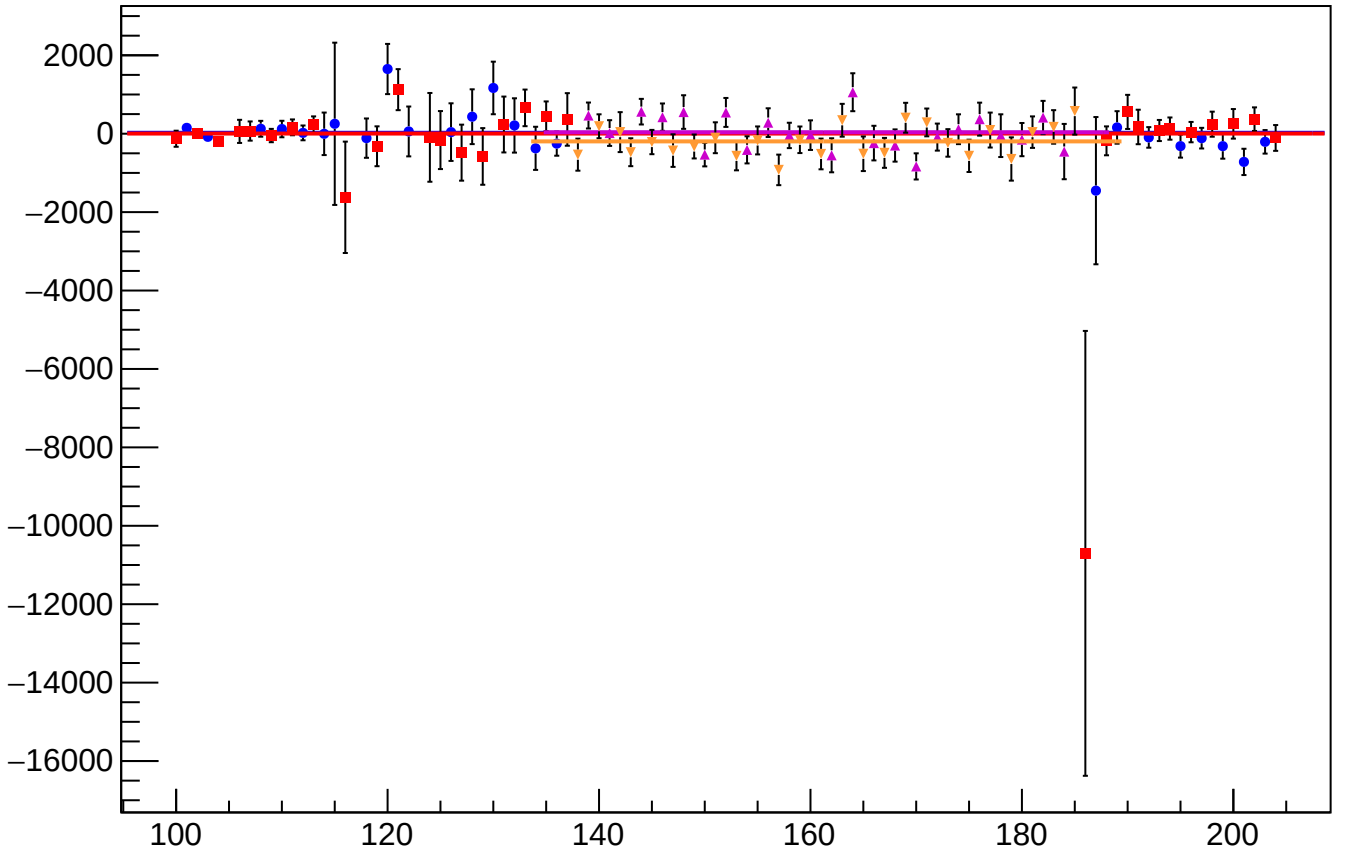
Left: 63.604+/-0.007 χ^2/NDF: 944421.2/47

Right: 58.669+/-0.008 χ^2/NDF: 2424433.2/53

In: 61.530+/-0.008 χ^2/NDF:1332489.1/46

Out: 61.136+/-0.007 χ^2/NDF:2241731.0/54

All: 61.323+/-0.005 χ^2/NDF: 3575539.5/101



Right In: 23.209+/-43.059 χ^2/NDF: 25.7/23

Left Out: -195.942+/-77.088 χ^2/NDF:20.6/24

Right Out: 3.873+/-45.078 χ^2/NDF: 26.9/29

Left In: 36.414+/-79.210 χ^2/NDF:31.1/22

Left: -82.918+/-55.244 χ^2/NDF: 56.1/47

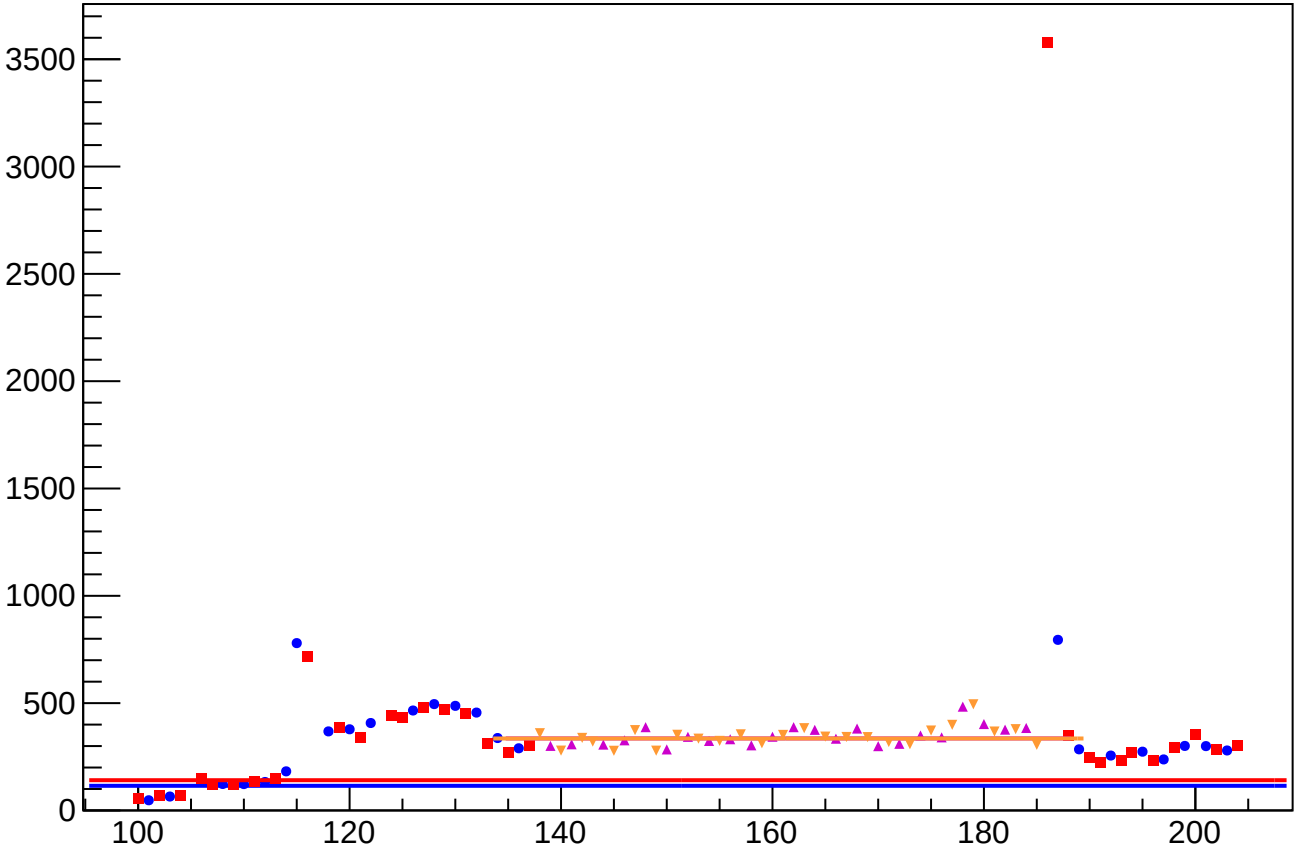
Right: 13.984+/-31.137 χ^2/NDF: 52.7/53

In: 26.221+/-37.831 χ^2/NDF:56.8/46

Out: -47.042+/-38.913 χ^2/NDF:52.5/54

All: -9.377+/-27.125 χ^2/NDF: 111.1/101

asym_sam_15_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 114.865+/-0.030 χ^2/NDF: 11366085.7/23

Left Out: 335.271+/-0.055 χ^2/NDF:563797.0/24

Right Out: 140.926+/-0.032 χ^2/NDF: 10696798.9/29

Left In: 335.526+/-0.056 χ^2/NDF:495170.0/22

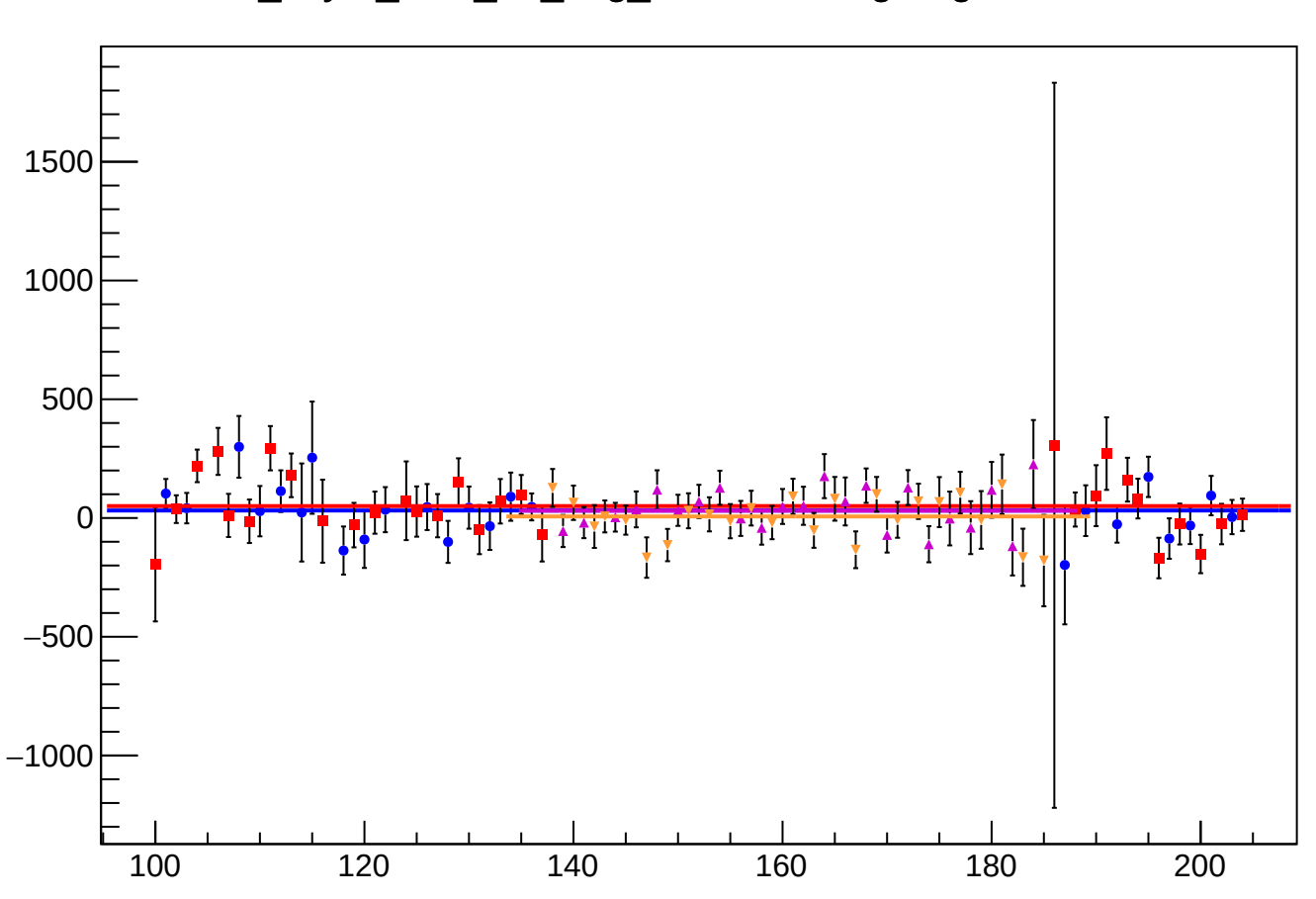
Left: 335.395+/-0.039 χ^2/NDF: 1058977.6/47

Right: 127.299+/-0.022 χ^2/NDF: 22412417.0/53

In: 165.198+/-0.027 χ^2/NDF:23841970.2/46

Out: 190.447+/-0.028 χ^2/NDF:20733201.6/54

All: 177.466+/-0.019 χ^2/NDF: 45008064.0/10



Right In: 31.588+/-18.192 χ^2/NDF: 21.8/23

Left Out: 6.469+/-15.977 χ^2/NDF:25.1/24

Right Out: 50.220+/-16.934 χ^2/NDF: 45.2/29

Left In: 30.662+/-16.503 χ^2/NDF:22.5/22

Left: 18.174+/-11.479 χ^2/NDF: 48.6/47

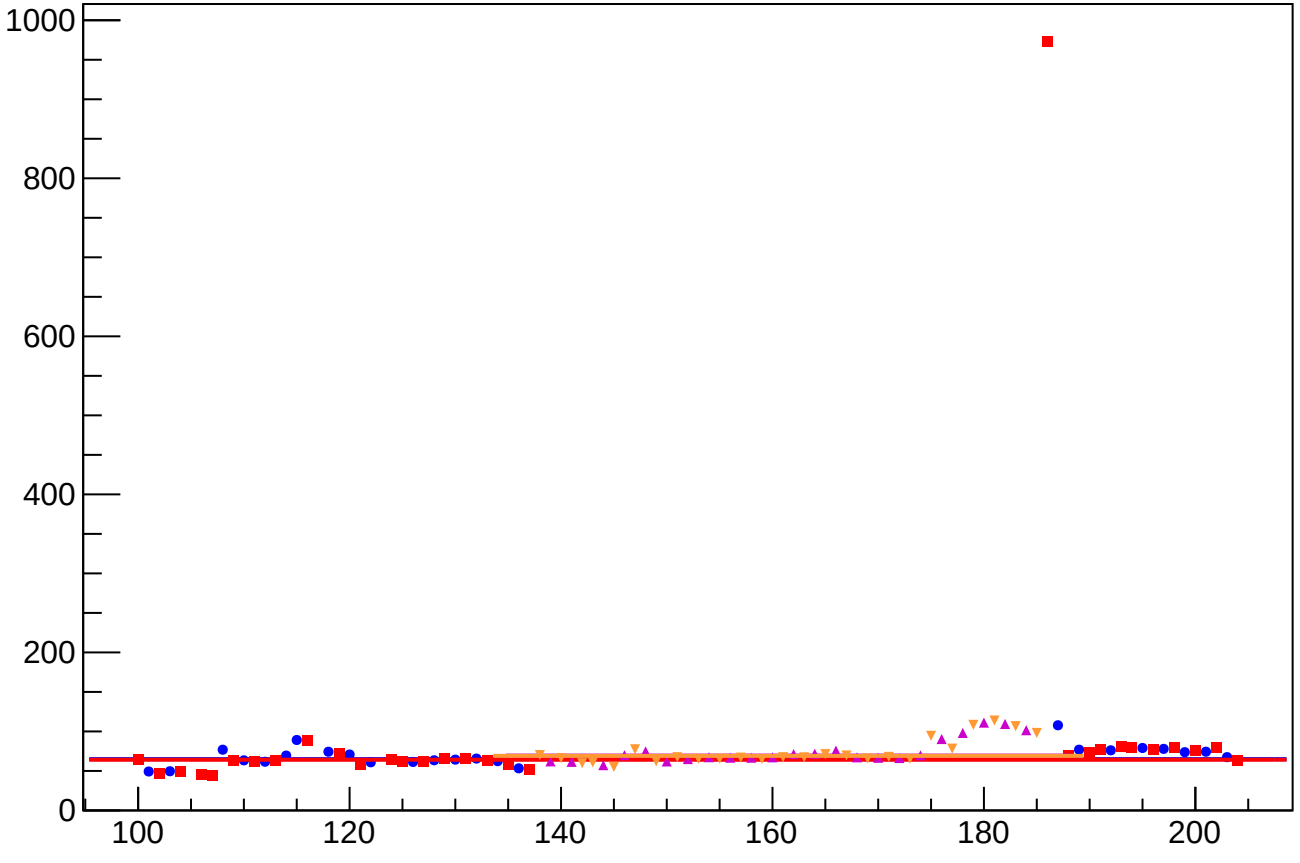
Right: 41.571+/-12.395 χ^2/NDF: 67.5/53

In: 31.080+/-12.223 χ^2/NDF:44.2/46

Out: 27.074+/-11.621 χ^2/NDF:73.8/54

All: 28.976+/-8.422 χ^2/NDF: 118.1/101

dit_asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 64.920+/-0.013 χ^2/NDF: 680891.3/23

Left Out: 69.078+/-0.011 χ^2/NDF:1074001.6/24

Right Out: 64.213+/-0.012 χ^2/NDF: 1633480.0/29

Left In: 69.436+/-0.012 χ^2/NDF:924607.6/22

Left: 69.252+/-0.008 χ^2/NDF: 1999094.5/47

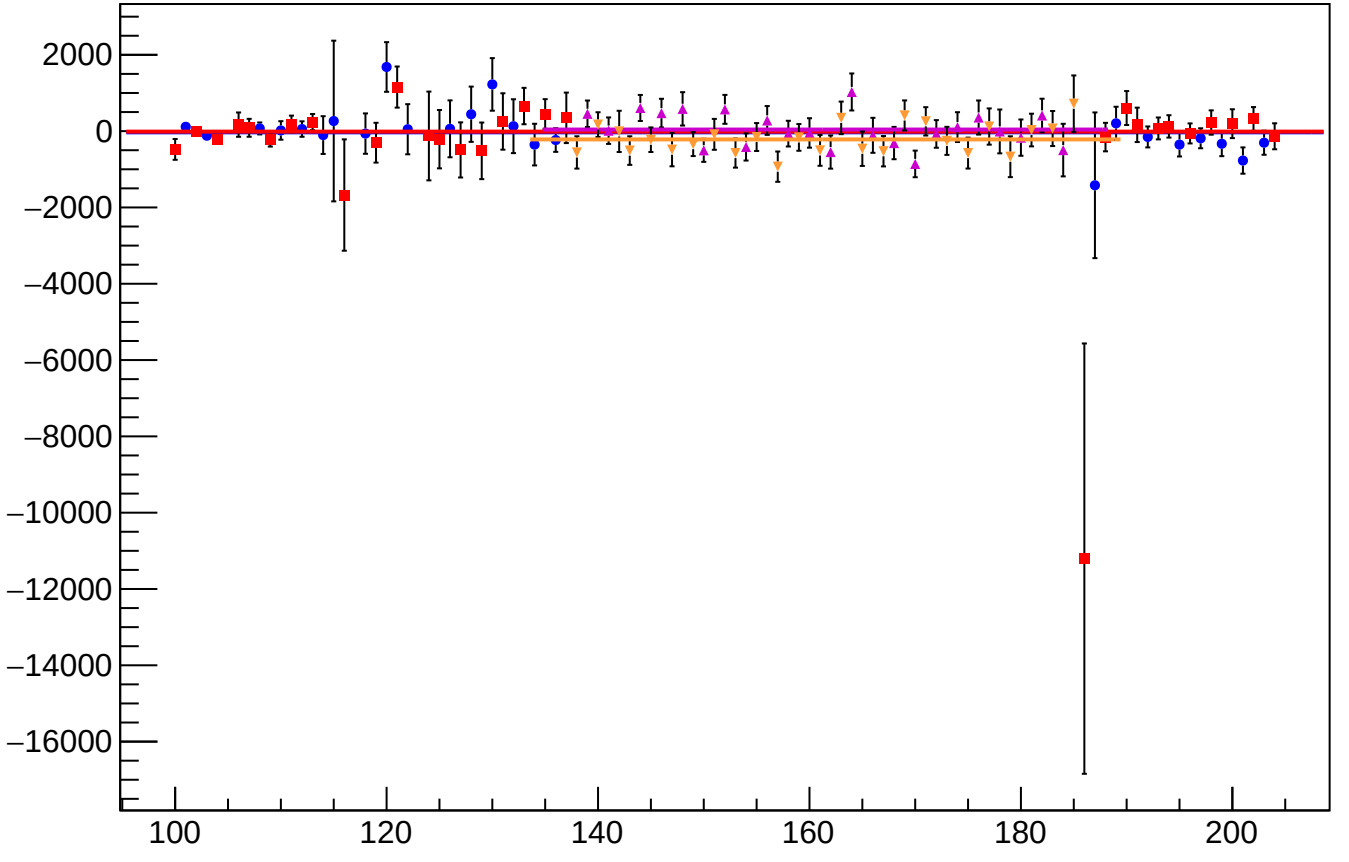
Right: 64.541+/-0.009 χ^2/NDF: 2315986.3/53

In: 67.397+/-0.009 χ^2/NDF:1673128.1/46

Out: 66.787+/-0.008 χ^2/NDF:2794816.9/54

All: 67.077+/-0.006 χ^2/NDF: 4470561.7/101

asym_sam_15_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -31.203+/-48.800 χ^2/NDF: 24.2/23

Left Out: -217.349+/-80.133 χ^2/NDF:19.3/24

Right Out: -12.876+/-47.431 χ^2/NDF: 30.5/29

Left In: 41.512+/-82.256 χ^2/NDF:30.0/22

Left: -91.302+/-57.399 χ^2/NDF: 54.4/47

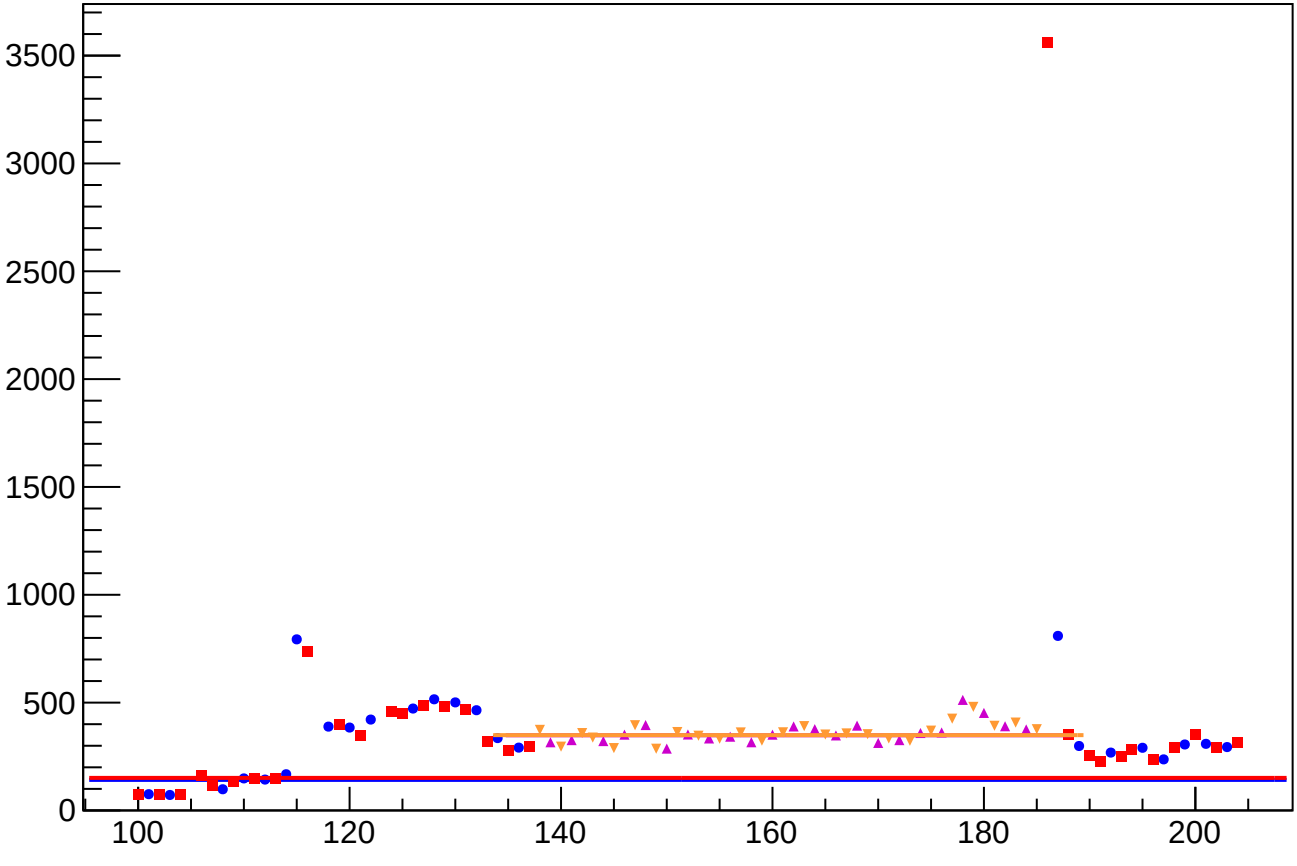
Right: -21.779+/-34.012 χ^2/NDF: 54.7/53

In: -12.273+/-41.970 χ^2/NDF:54.8/46

Out: -65.927+/-40.817 χ^2/NDF:54.6/54

All: -39.846+/-29.261 χ^2/NDF: 110.2/101

asym_sam_15_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 141.693+/-0.035 χ^2/NDF: 9285657.1/23

Left Out: 349.177+/-0.057 χ^2/NDF:524075.5/24

Right Out: 150.997+/-0.034 χ^2/NDF: 10145817.9/29

Left In: 348.560+/-0.058 χ^2/NDF:525743.6/22

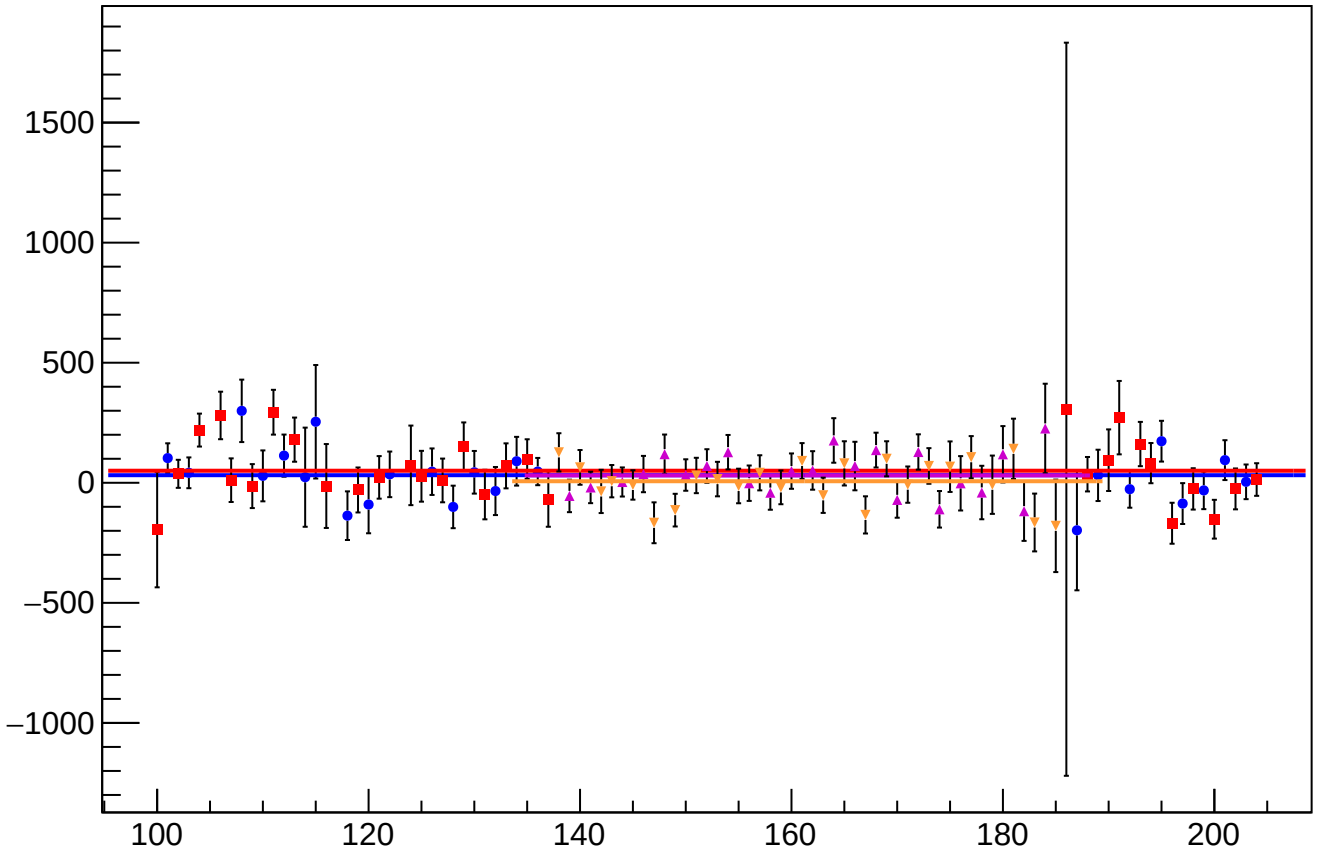
Left: 348.876+/-0.041 χ^2/NDF: 1049876.9/47

Right: 146.477+/-0.024 χ^2/NDF: 19468859.5/53

In: 195.547+/-0.030 χ^2/NDF:19167841.5/46

Out: 202.415+/-0.029 χ^2/NDF:19728818.4/54

All: 199.077+/-0.021 χ^2/NDF: 38924180.4/10



Right In: 31.588+/-18.192 χ^2/NDF: 21.8/23

Left Out: 6.469+/-15.977 χ^2/NDF:25.1/24

Right Out: 50.220+/-16.934 χ^2/NDF: 45.2/29

Left In: 30.662+/-16.503 χ^2/NDF:22.5/22

Left: 18.174+/-11.479 χ^2/NDF: 48.6/47

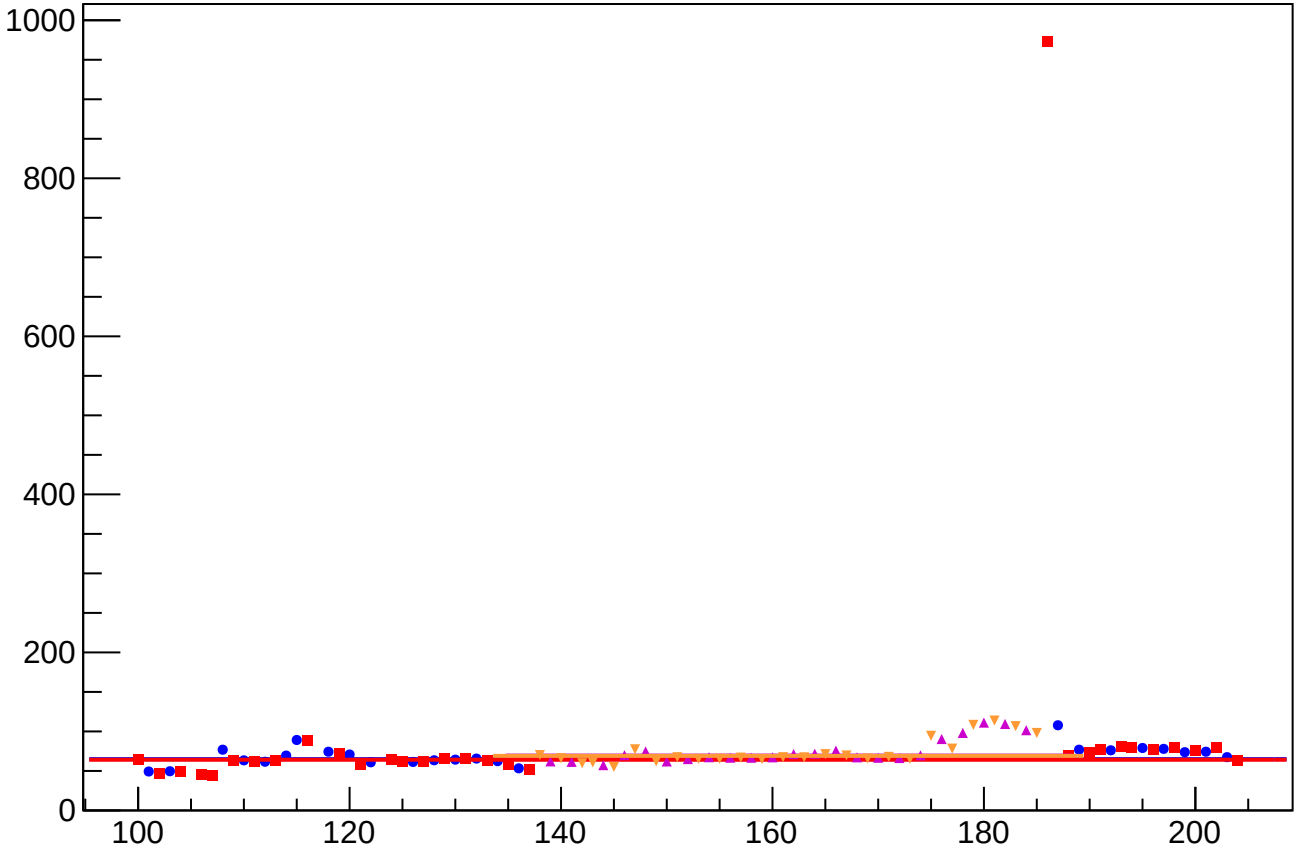
Right: 41.571+/-12.395 χ^2/NDF: 67.5/53

In: 31.080+/-12.223 χ^2/NDF:44.2/46

Out: 27.074+/-11.621 χ^2/NDF:73.8/54

All: 28.976+/-8.422 χ^2/NDF: 118.1/101

eigen_dit_asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 64.920+/-0.013 χ^2/NDF: 680891.6/23

Left Out: 69.079+/-0.011 χ^2/NDF:1073983.7/24

Right Out: 64.213+/-0.012 χ^2/NDF: 1633480.1/29

Left In: 69.436+/-0.012 χ^2/NDF:924591.6/22

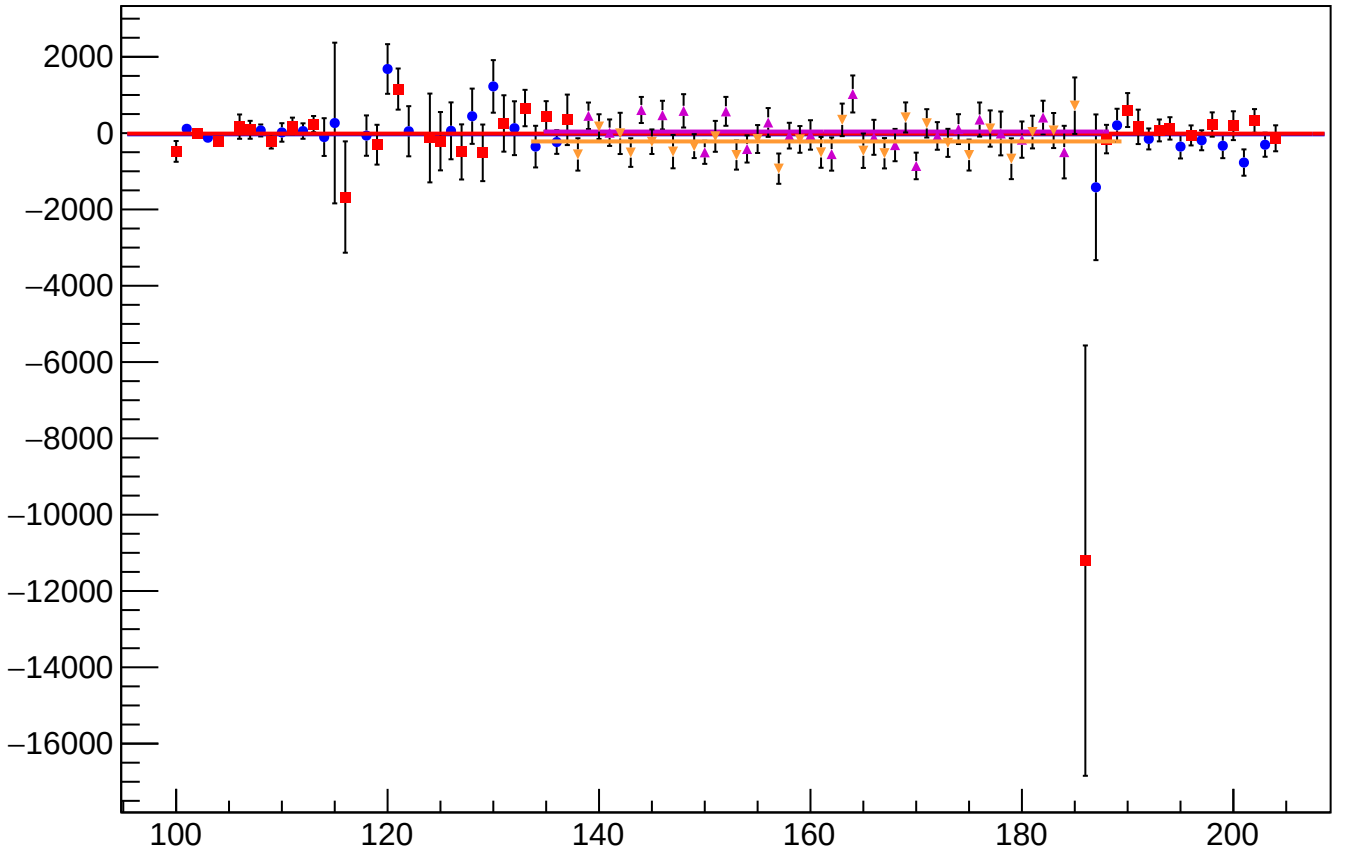
Left: 69.252+/-0.008 χ^2/NDF: 1999060.7/47

Right: 64.541+/-0.009 χ^2/NDF: 2315986.6/53

In: 67.397+/-0.009 χ^2/NDF:1673119.1/46

Out: 66.787+/-0.008 χ^2/NDF:2794804.4/54

All: 67.077+/-0.006 χ^2/NDF: 4470540.4/101



Right In: -31.203+/-48.800 χ^2/NDF: 24.2/23

Left Out: -217.348+/-80.133 χ^2/NDF:19.3/24

Right Out: -12.876+/-47.431 χ^2/NDF: 30.5/29

Left In: 41.512+/-82.256 χ^2/NDF:30.0/22

Left: -91.302+/-57.399 χ^2/NDF: 54.4/47

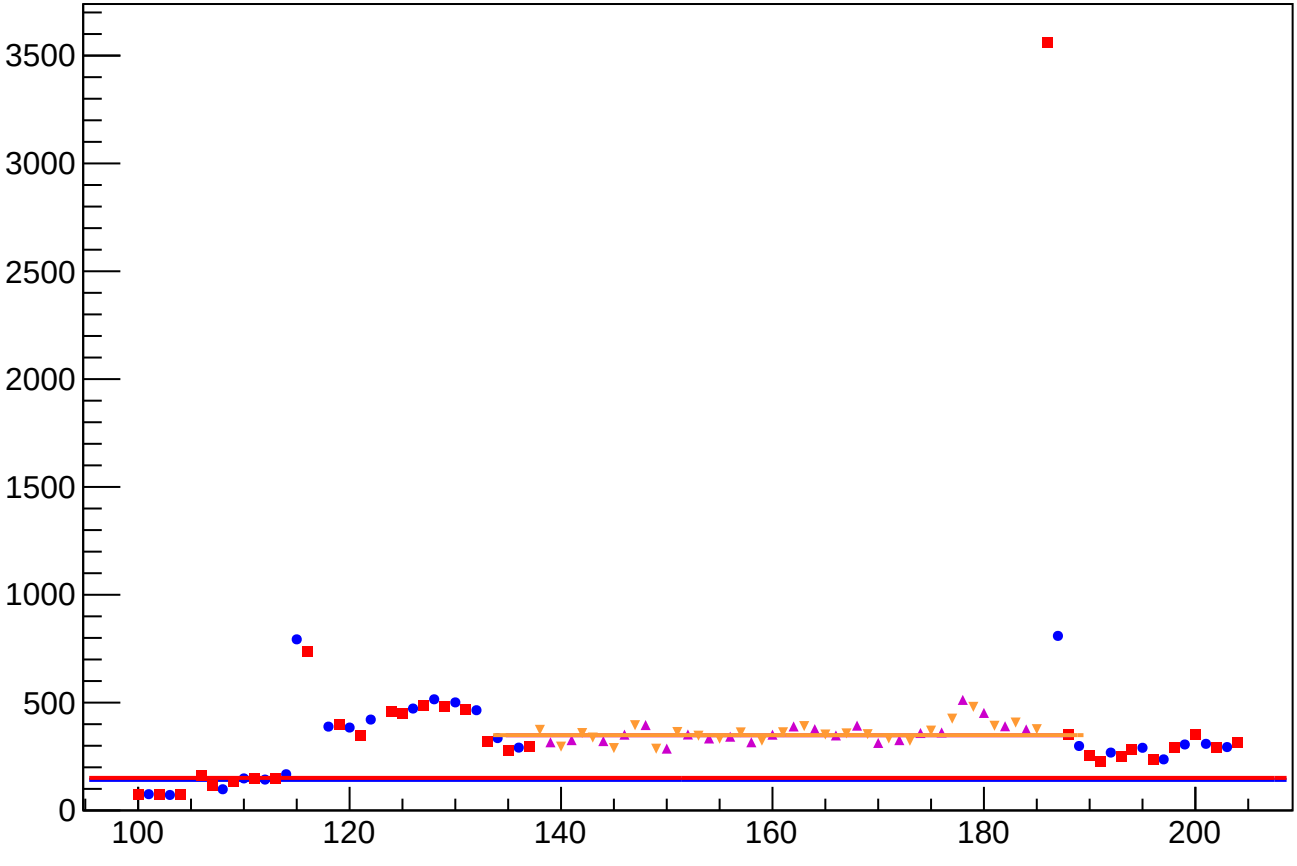
Right: -21.779+/-34.012 χ^2/NDF: 54.7/53

In: -12.273+/-41.970 χ^2/NDF:54.8/46

Out: -65.926+/-40.817 χ^2/NDF:54.6/54

All: -39.846+/-29.261 χ^2/NDF: 110.2/101

asym_sam_15_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 141.693+/-0.035 χ^2/NDF: 9285673.3/23

Left Out: 349.177+/-0.057 χ^2/NDF:524067.1/24

Right Out: 150.997+/-0.034 χ^2/NDF: 10145863.7/29

Left In: 348.560+/-0.058 χ^2/NDF:525736.6/22

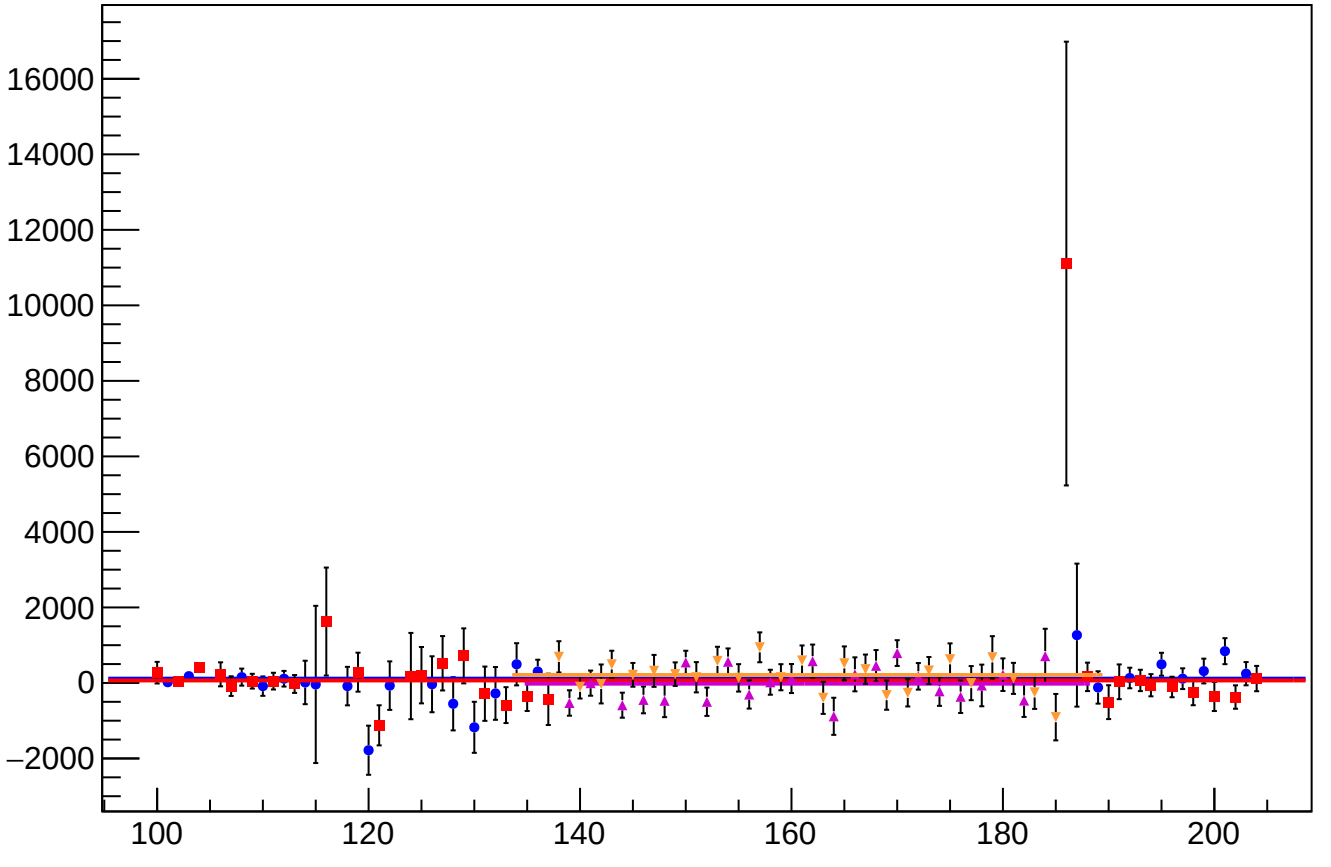
Left: 348.877+/-0.041 χ^2/NDF: 1049861.4/47

Right: 146.477+/-0.024 χ^2/NDF: 19468920.5/53

In: 195.547+/-0.030 χ^2/NDF:19167916.4/46

Out: 202.415+/-0.029 χ^2/NDF:19728933.1/54

All: 199.076+/-0.021 χ^2/NDF: 38924369.2/10



Right In: 112.679+/-52.910 χ^2/NDF: 23.7/23

Left Out: 209.819+/-78.511 χ^2/NDF:21.4/24

Right Out: 66.282+/-50.797 χ^2/NDF: 32.1/29

Left In: -18.738+/-80.699 χ^2/NDF:32.0/22

Left: 98.681+/-56.273 χ^2/NDF: 57.6/47

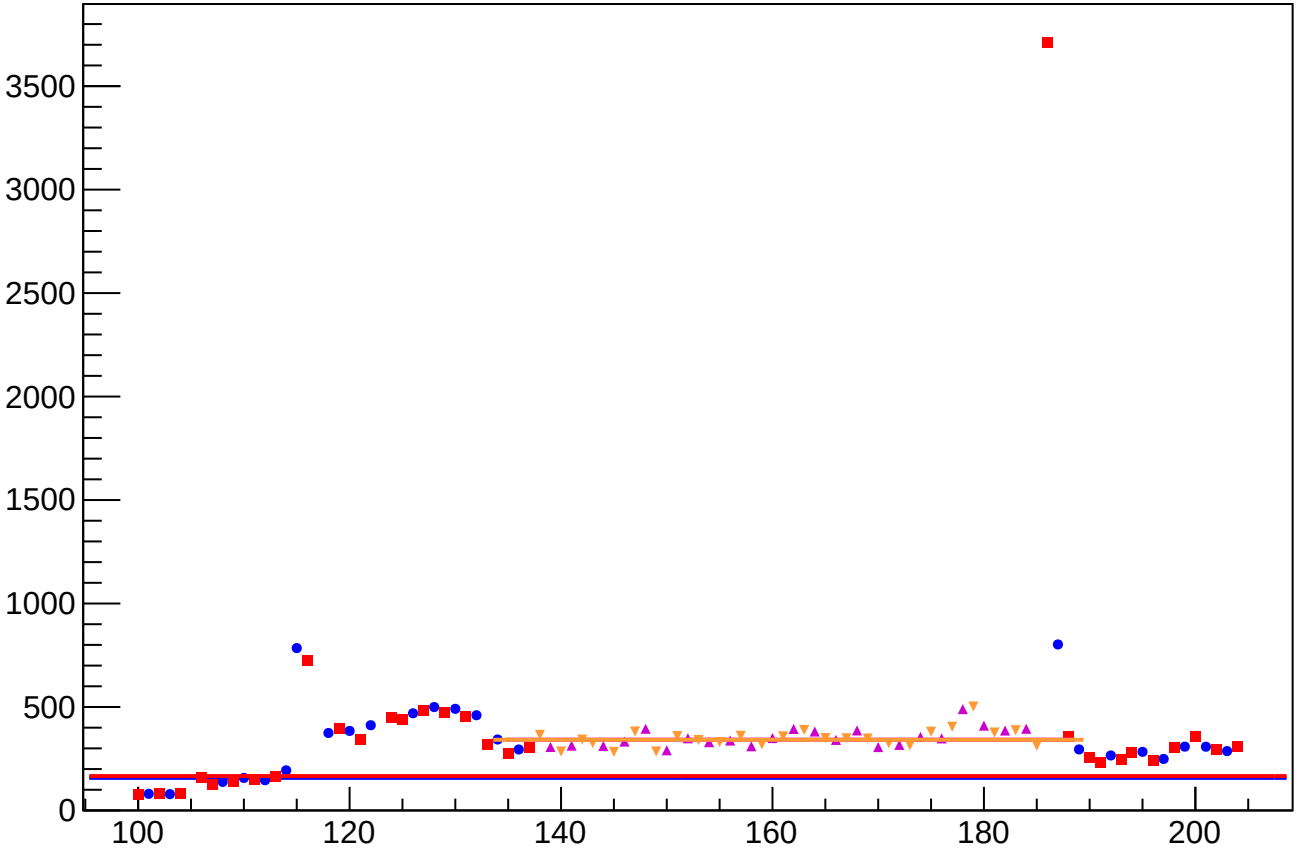
Right: 88.536+/-36.643 χ^2/NDF: 56.1/53

In: 73.171+/-44.247 χ^2/NDF:57.5/46

Out: 108.638+/-42.649 χ^2/NDF:55.8/54

All: 91.556+/-30.707 χ^2/NDF: 113.7/101

asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 157.625+/-0.037 χ^2/NDF: 8257359.0/23

Left Out: 341.585+/-0.056 χ^2/NDF:554287.8/24

Right Out: 166.049+/-0.036 χ^2/NDF: 8969199.6/29

Left In: 341.943+/-0.057 χ^2/NDF:485509.1/22

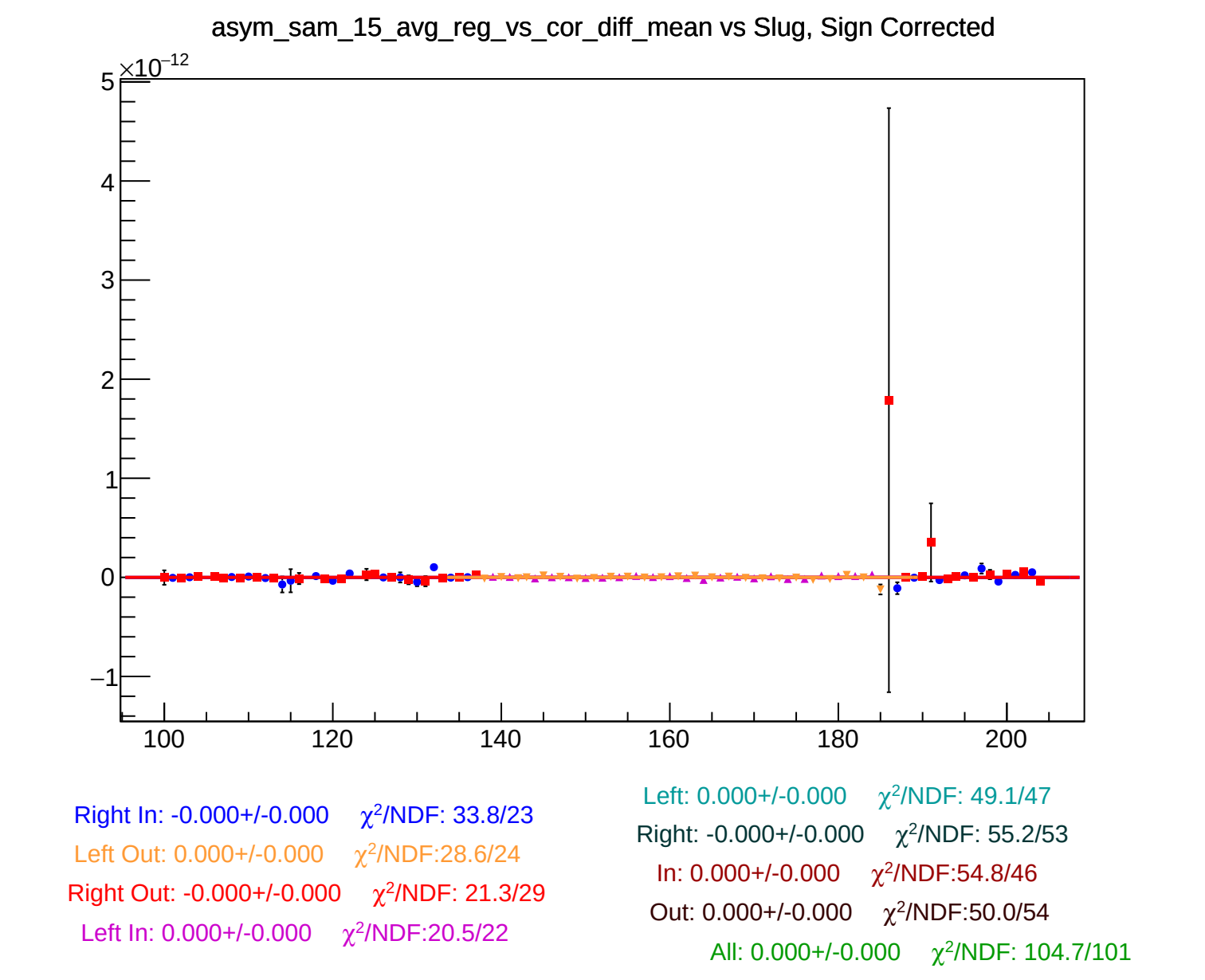
Left: 341.759+/-0.040 χ^2/NDF: 1039817.1/47

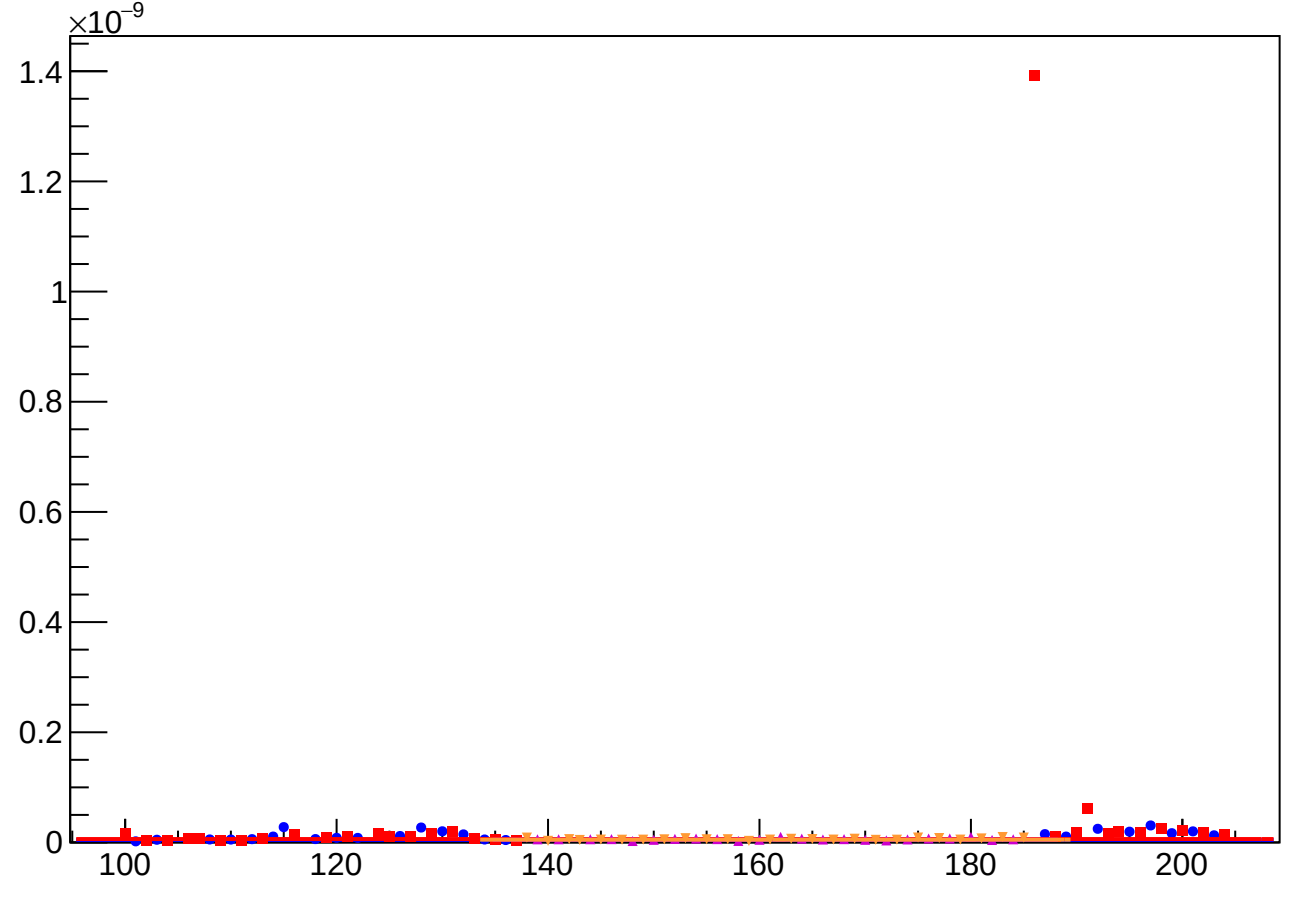
Right: 162.008+/-0.026 χ^2/NDF: 17252942.4/53

In: 213.037+/-0.031 χ^2/NDF:16039676.7/46

Out: 217.847+/-0.030 χ^2/NDF:16570966.4/54

All: 215.530+/-0.022 χ^2/NDF: 32622894.1/10


asym_sam_15_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
5
4
3
2
1
0
−1
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 33.8/23
Left Out: 0.000+/-0.000 χ²/NDF:28.6/24
Right Out: -0.000+/-0.000 χ²/NDF: 21.3/29
Left In: 0.000+/-0.000 χ²/NDF:20.5/22
Left: 0.000+/-0.000 χ²/NDF: 49.1/47
Right: -0.000+/-0.000 χ²/NDF: 55.2/53
In: 0.000+/-0.000 χ²/NDF:54.8/46
Out: 0.000+/-0.000 χ²/NDF:50.0/54
All: 0.000+/-0.000 χ²/NDF: 104.7/101



Right In: 0.000+/-0.000 χ^2/NDF: 5296350.8/23

Left Out: 0.000+/-0.000 χ^2/NDF:1294137.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4670513.8/29

Left In: 0.000+/-0.000 χ^2/NDF:1225248.2/22

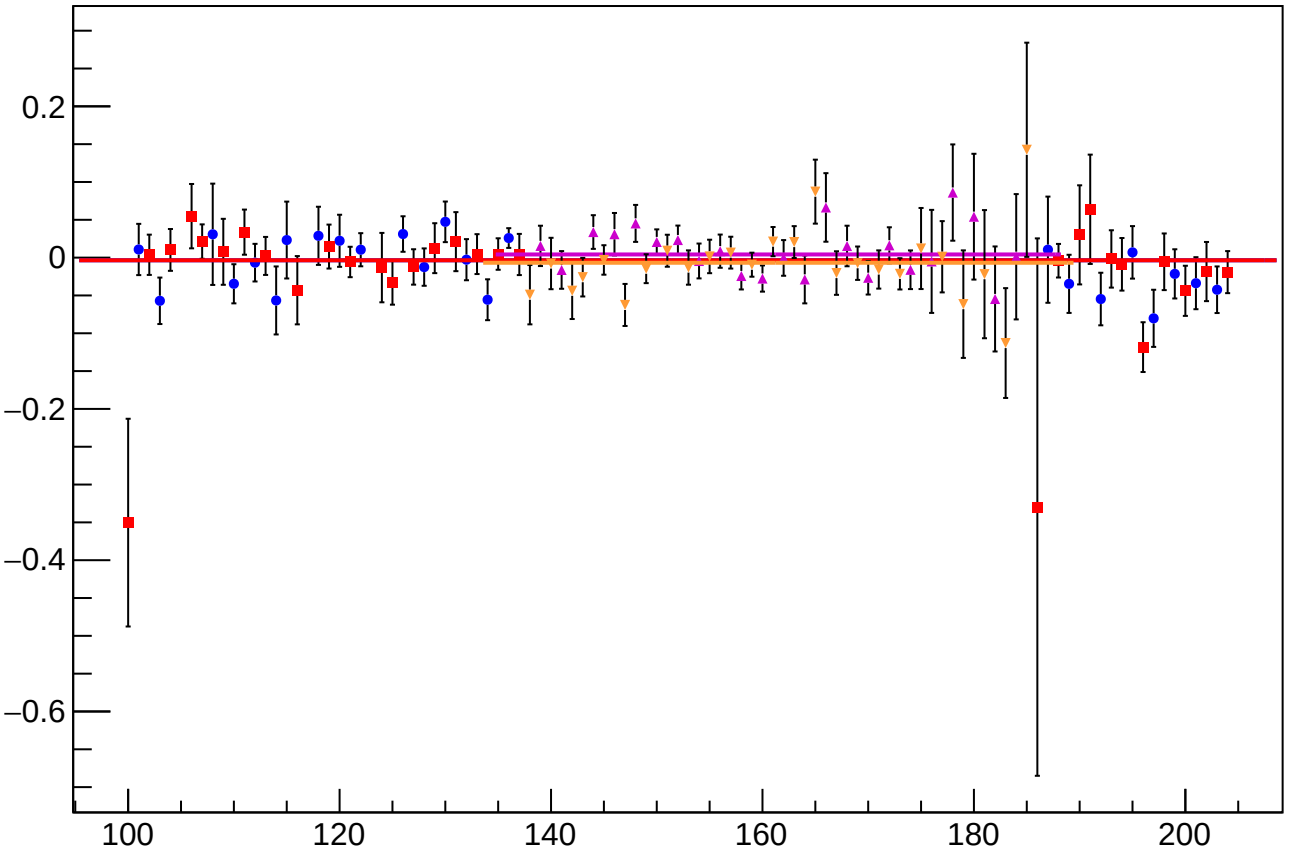
Left: 0.000+/-0.000 χ^2/NDF: 2519997.3/47

Right: 0.000+/-0.000 χ^2/NDF: 10402290.0/53

In: 0.000+/-0.000 χ^2/NDF:6596854.7/46

Out: 0.000+/-0.000 χ^2/NDF:6163589.9/54

All: 0.000+/-0.000 χ^2/NDF: 12924251.4/101



Right In: -0.003+/-0.006 χ^2/NDF: 32.8/23

Left Out: -0.007+/-0.005 χ^2/NDF:21.8/24

Right Out: -0.003+/-0.006 χ^2/NDF: 30.9/29

Left In: 0.004+/-0.005 χ^2/NDF:23.2/22

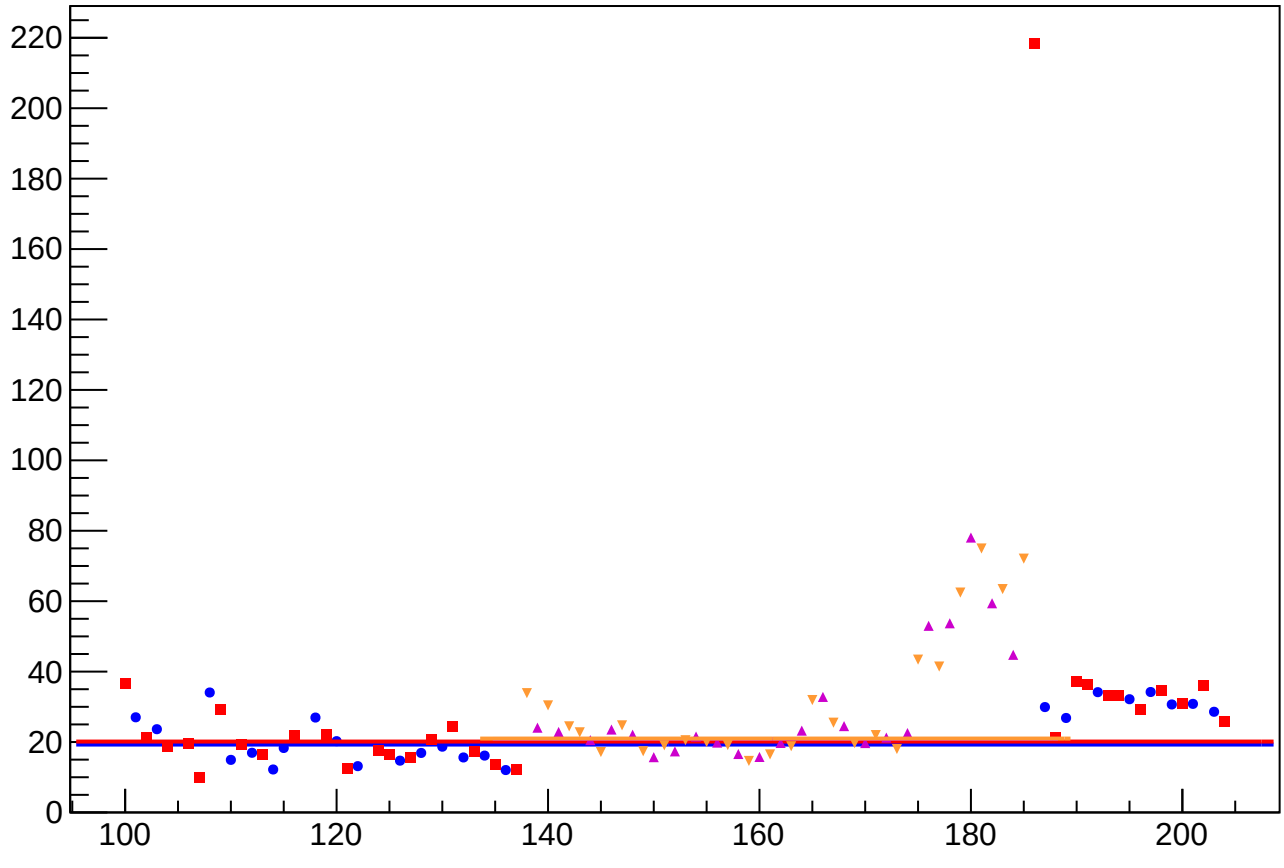
Left: -0.001+/-0.004 χ^2/NDF: 47.1/47

Right: -0.003+/-0.004 χ^2/NDF: 63.7/53

In: 0.001+/-0.004 χ^2/NDF:56.9/46

Out: -0.005+/-0.004 χ^2/NDF:52.8/54

All: -0.002+/-0.003 χ^2/NDF: 110.9/101



Right In: 19.282+/-0.004 χ^2/NDF: 3111748.6/23

Left Out: 20.981+/-0.004 χ^2/NDF:4467011.5/24

Right Out: 20.135+/-0.004 χ^2/NDF: 3837043.7/29

Left In: 20.868+/-0.004 χ^2/NDF:3534877.7/22

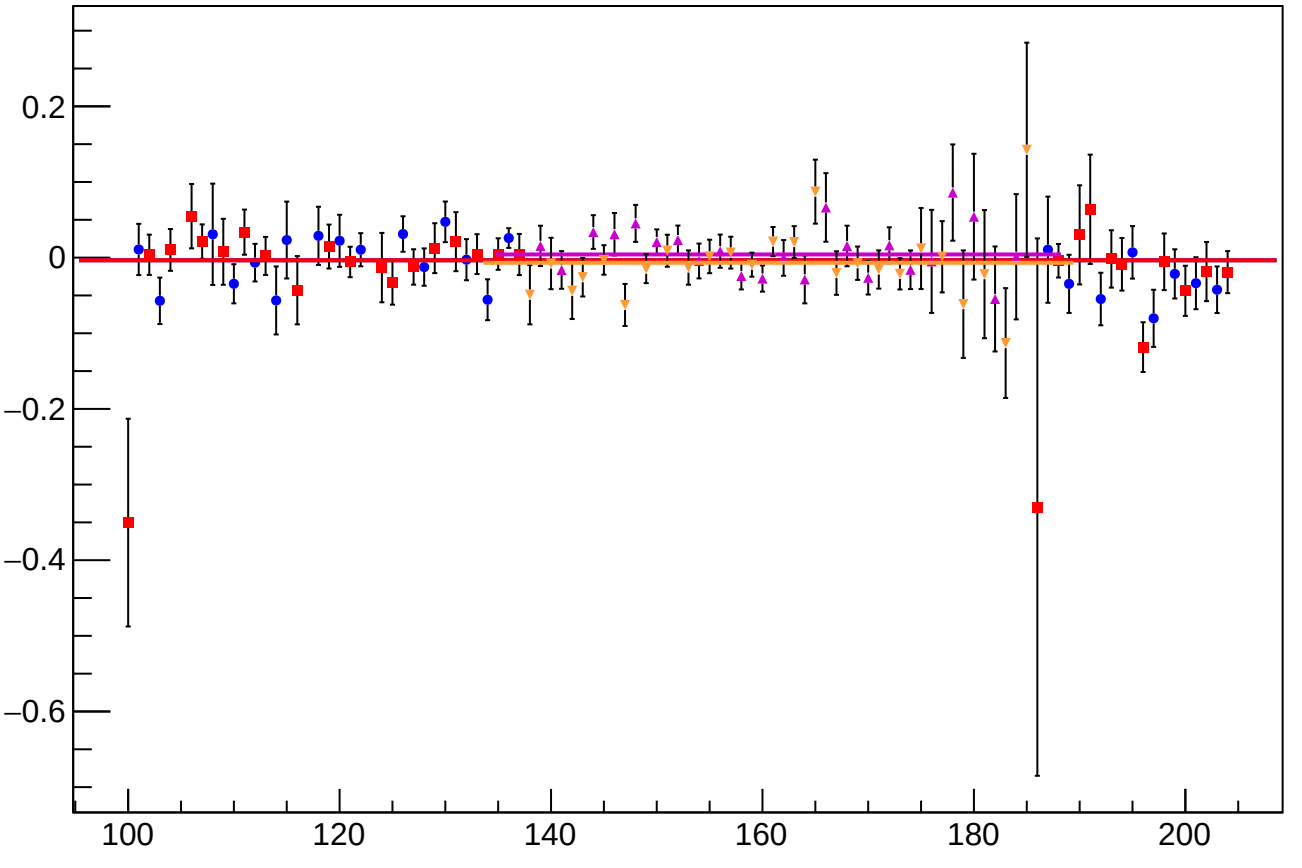
Left: 20.925+/-0.003 χ^2/NDF: 8002354.8/47

Right: 19.722+/-0.003 χ^2/NDF: 6970836.8/53

In: 20.153+/-0.003 χ^2/NDF:6727592.2/46

Out: 20.593+/-0.003 χ^2/NDF:8328253.2/54

All: 20.379+/-0.002 χ^2/NDF: 15068742.7/101



Right In: -0.003+/-0.006 χ^2/NDF: 32.8/23

Left Out: -0.007+/-0.005 χ^2/NDF:21.8/24

Right Out: -0.003+/-0.006 χ^2/NDF: 30.9/29

Left In: 0.004+/-0.005 χ^2/NDF:23.2/22

Left: -0.001+/-0.004 χ^2/NDF: 47.1/47

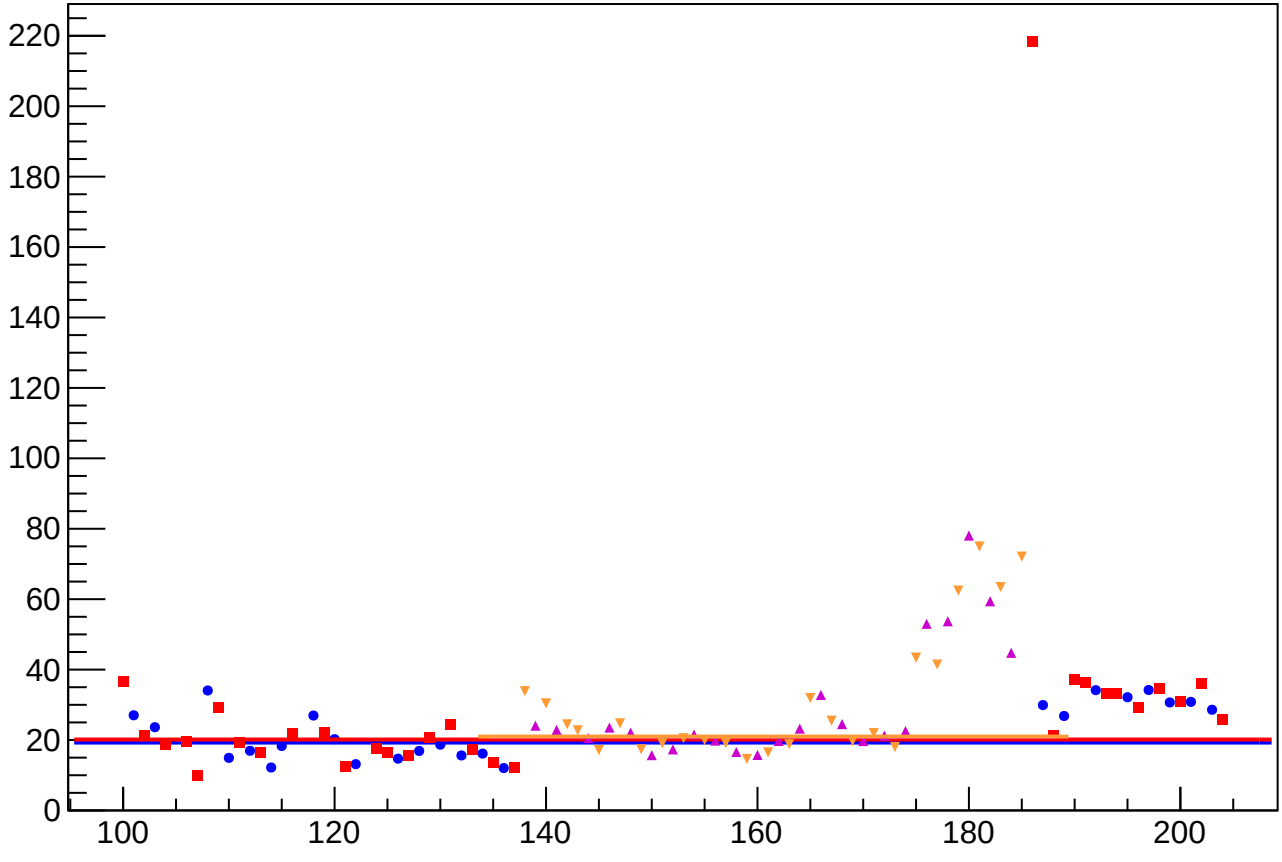
Right: -0.003+/-0.004 χ^2/NDF: 63.7/53

In: 0.001+/-0.004 χ^2/NDF:56.9/46

Out: -0.005+/-0.004 χ^2/NDF:52.8/54

All: -0.002+/-0.003 χ^2/NDF: 110.9/101

asym_sam_15_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 19.282+/-0.004 χ^2/NDF: 3111748.6/23

Left Out: 20.981+/-0.004 χ^2/NDF:4467011.5/24

Right Out: 20.135+/-0.004 χ^2/NDF: 3837043.7/29

Left In: 20.868+/-0.004 χ^2/NDF:3534877.7/22

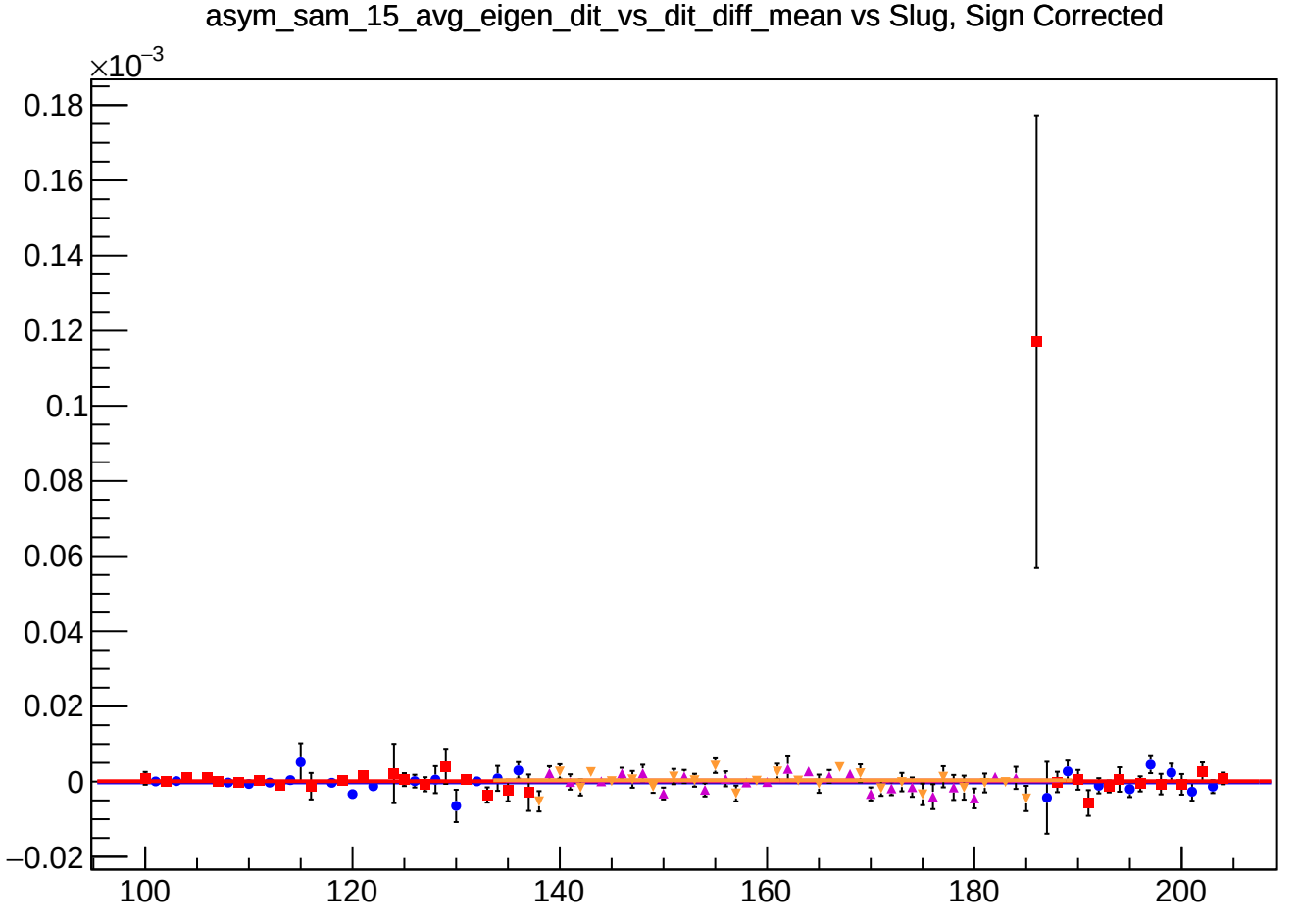
Left: 20.925+/-0.003 χ^2/NDF: 8002354.8/47

Right: 19.722+/-0.003 χ^2/NDF: 6970836.8/53

In: 20.153+/-0.003 χ^2/NDF:6727592.2/46

Out: 20.593+/-0.003 χ^2/NDF:8328253.2/54

All: 20.379+/-0.002 χ^2/NDF: 15068742.7/101



Right In: -0.000+/-0.000 χ^2/NDF: 23.6/23

Left Out: 0.000+/-0.000 χ^2/NDF:34.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 29.1/29

Left In: 0.000+/-0.000 χ^2/NDF:31.6/22

Left: 0.000+/-0.000 χ^2/NDF: 65.9/47

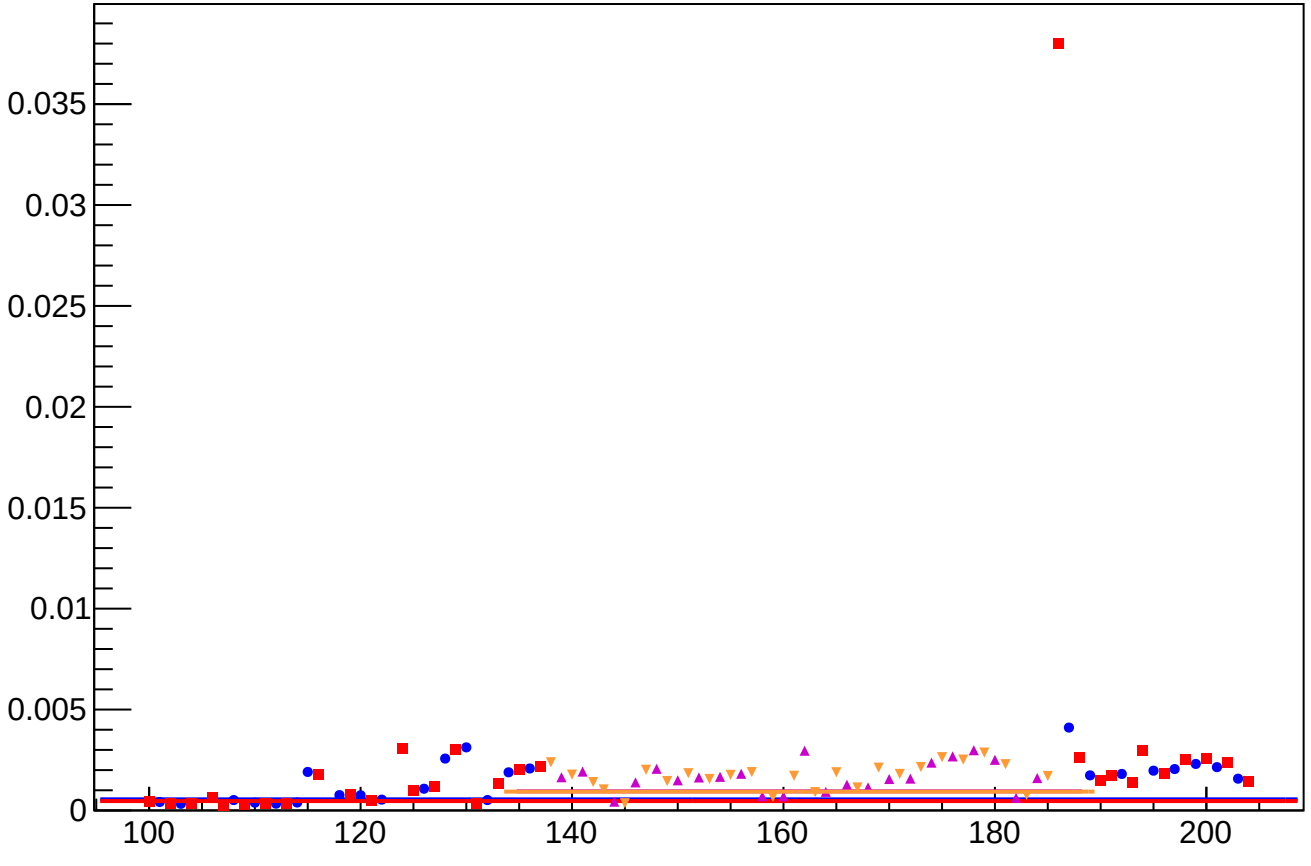
Right: -0.000+/-0.000 χ^2/NDF: 54.1/53

In: -0.000+/-0.000 χ^2/NDF:57.2/46

Out: 0.000+/-0.000 χ^2/NDF:64.1/54

All: 0.000+/-0.000 χ^2/NDF: 122.2/101

asym_sam_15_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 10178872.8/23

Left Out: 0.001+/-0.000 χ^2/NDF:11996378.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 14044336.0/29

Left In: 0.001+/-0.000 χ^2/NDF:9470540.4/22

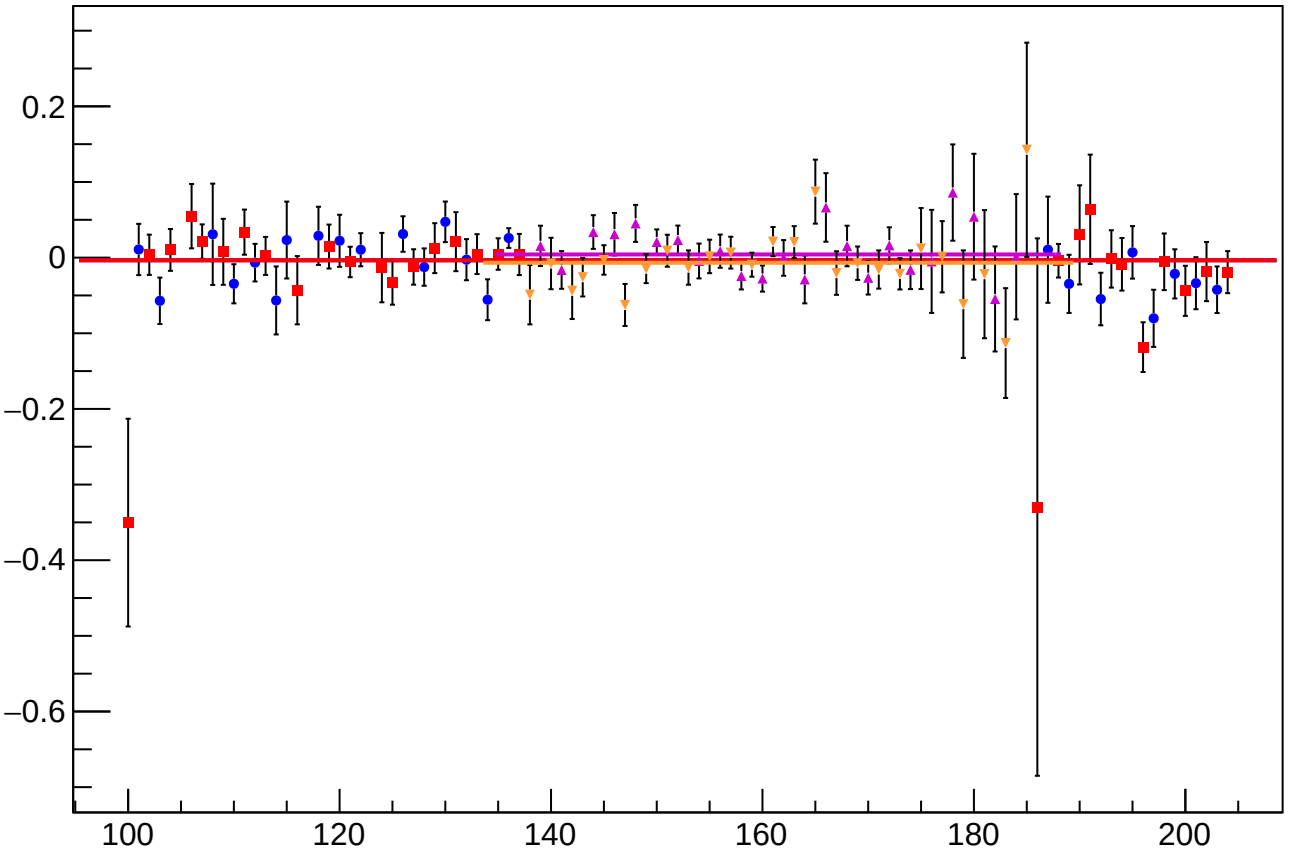
Left: 0.001+/-0.000 χ^2/NDF: 21470091.7/47

Right: 0.000+/-0.000 χ^2/NDF: 24430395.7/53

In: 0.001+/-0.000 χ^2/NDF:22538732.0/46

Out: 0.001+/-0.000 χ^2/NDF:30574163.5/54

All: 0.001+/-0.000 χ^2/NDF: 53508120.7/101



Right In: -0.003+/-0.006 χ^2/NDF: 32.8/23

Left Out: -0.007+/-0.005 χ^2/NDF:21.8/24

Right Out: -0.003+/-0.006 χ^2/NDF: 30.9/29

Left In: 0.004+/-0.005 χ^2/NDF:23.2/22

Left: -0.001+/-0.004 χ^2/NDF: 47.1/47

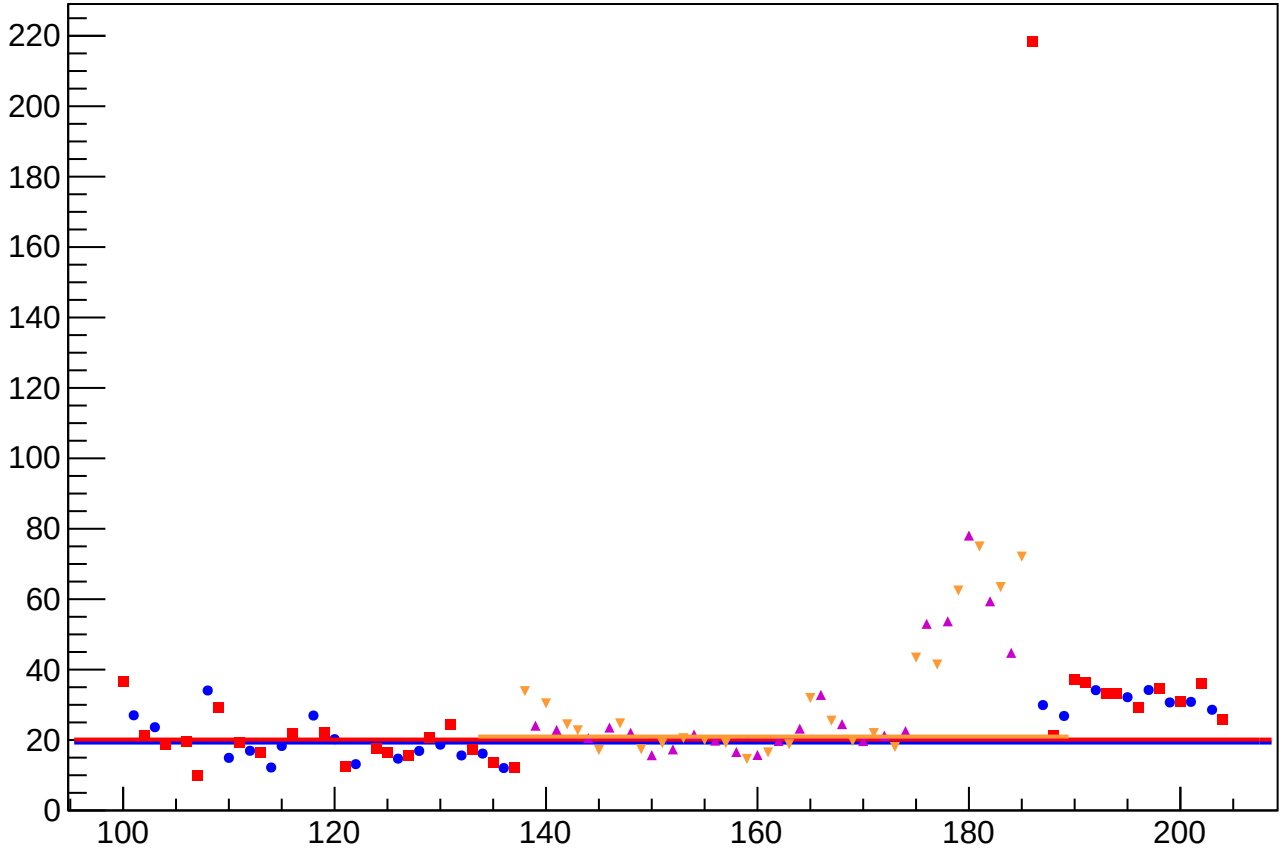
Right: -0.003+/-0.004 χ^2/NDF: 63.7/53

In: 0.001+/-0.004 χ^2/NDF:56.9/46

Out: -0.005+/-0.004 χ^2/NDF:52.8/54

All: -0.002+/-0.003 χ^2/NDF: 110.9/101

asym_sam_15_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 19.281+/-0.004 χ^2/NDF: 3111775.4/23

Left Out: 20.981+/-0.004 χ^2/NDF:4466984.6/24

Right Out: 20.135+/-0.004 χ^2/NDF: 3837080.0/29

Left In: 20.868+/-0.004 χ^2/NDF:3534923.5/22

Left: 20.925+/-0.003 χ^2/NDF: 8002374.3/47

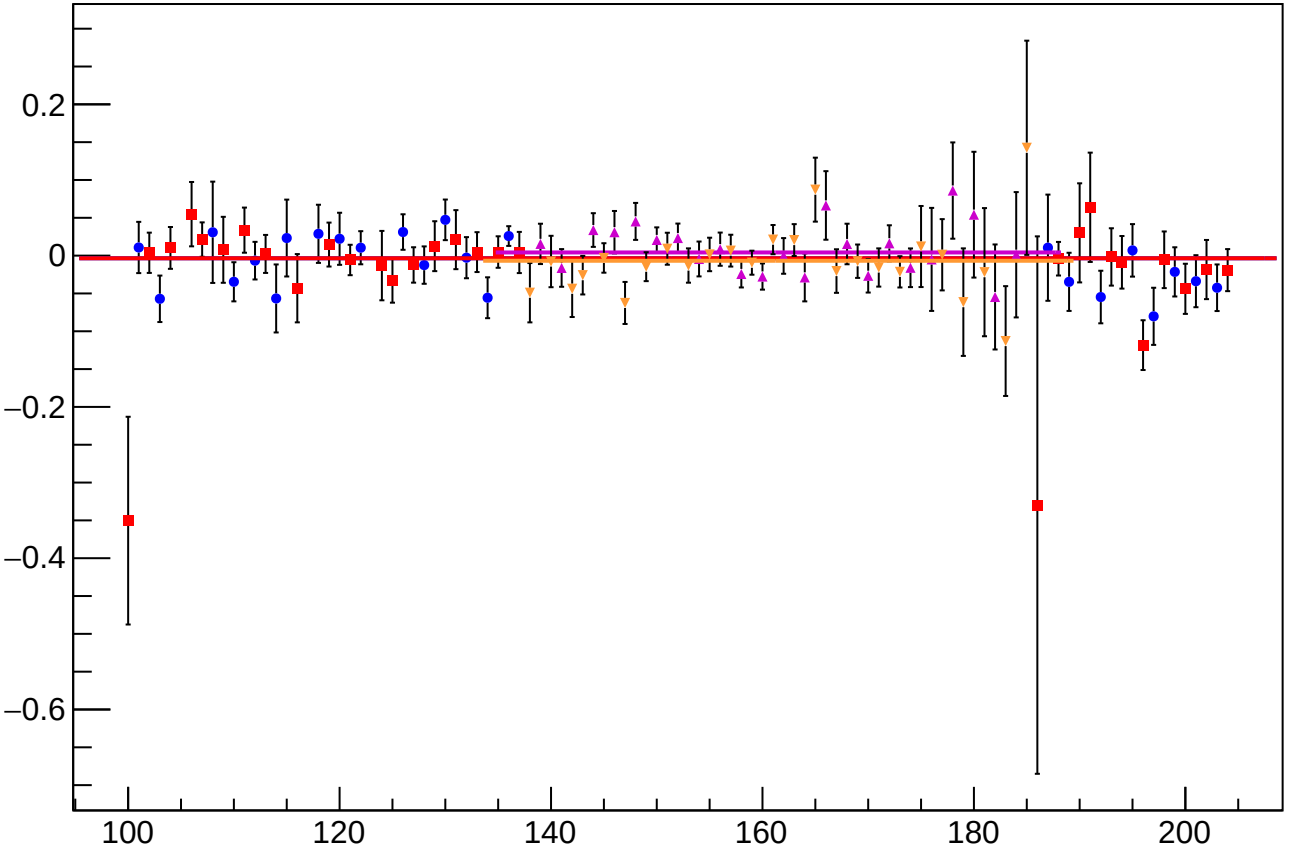
Right: 19.722+/-0.003 χ^2/NDF: 6970897.0/53

In: 20.153+/-0.003 χ^2/NDF:6727690.9/46

Out: 20.593+/-0.003 χ^2/NDF:8328284.7/54

All: 20.379+/-0.002 χ^2/NDF: 15068873.4/101

asym_sam_15_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.003+/-0.006 χ^2/NDF: 32.8/23

Left Out: -0.007+/-0.005 χ^2/NDF:21.8/24

Right Out: -0.003+/-0.006 χ^2/NDF: 30.9/29

Left In: 0.004+/-0.005 χ^2/NDF:23.2/22

Left: -0.001+/-0.004 χ^2/NDF: 47.1/47

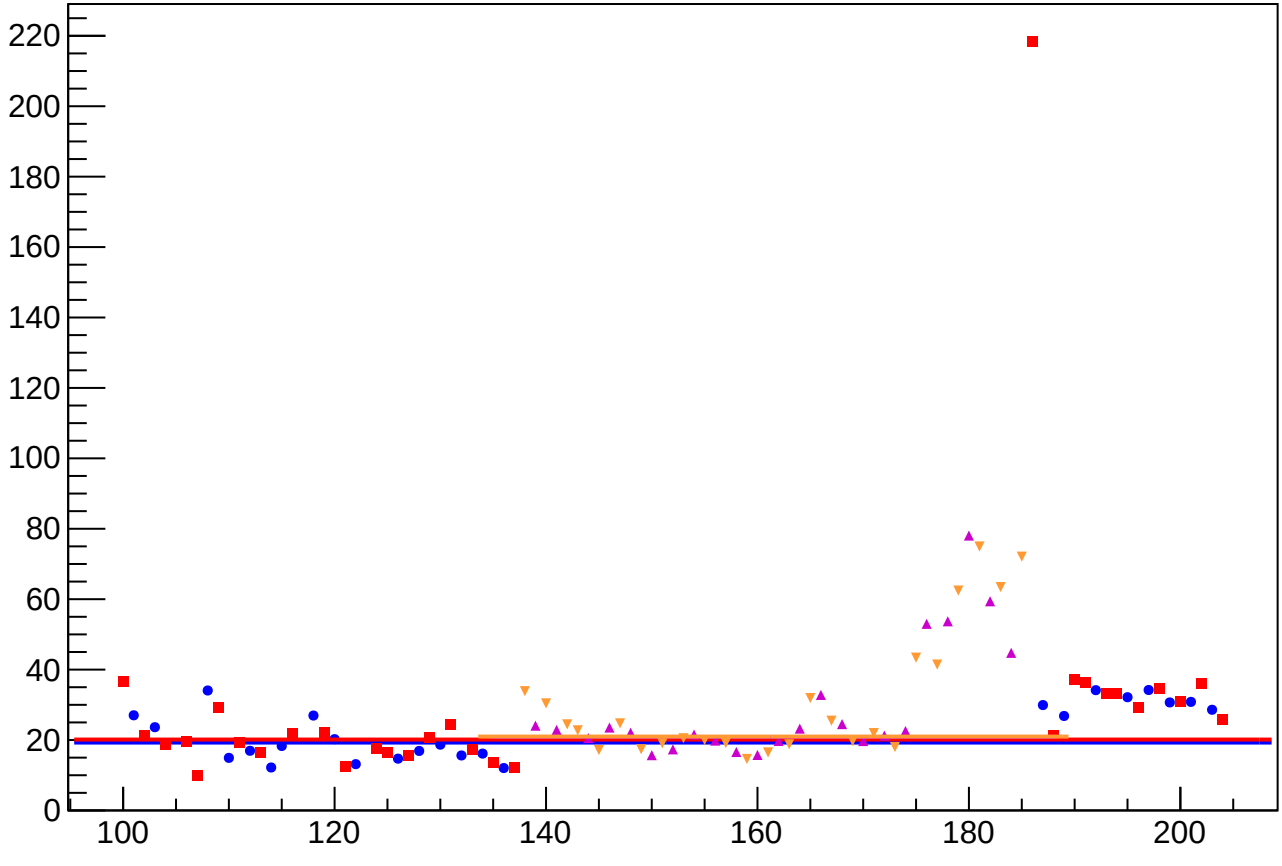
Right: -0.003+/-0.004 χ^2/NDF: 63.7/53

In: 0.001+/-0.004 χ^2/NDF:56.9/46

Out: -0.005+/-0.004 χ^2/NDF:52.8/54

All: -0.002+/-0.003 χ^2/NDF: 110.9/101

asym_sam_15_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 19.281+/-0.004 χ^2/NDF: 3111775.4/23

Left Out: 20.981+/-0.004 χ^2/NDF:4466984.6/24

Right Out: 20.135+/-0.004 χ^2/NDF: 3837080.0/29

Left In: 20.868+/-0.004 χ^2/NDF:3534923.5/22

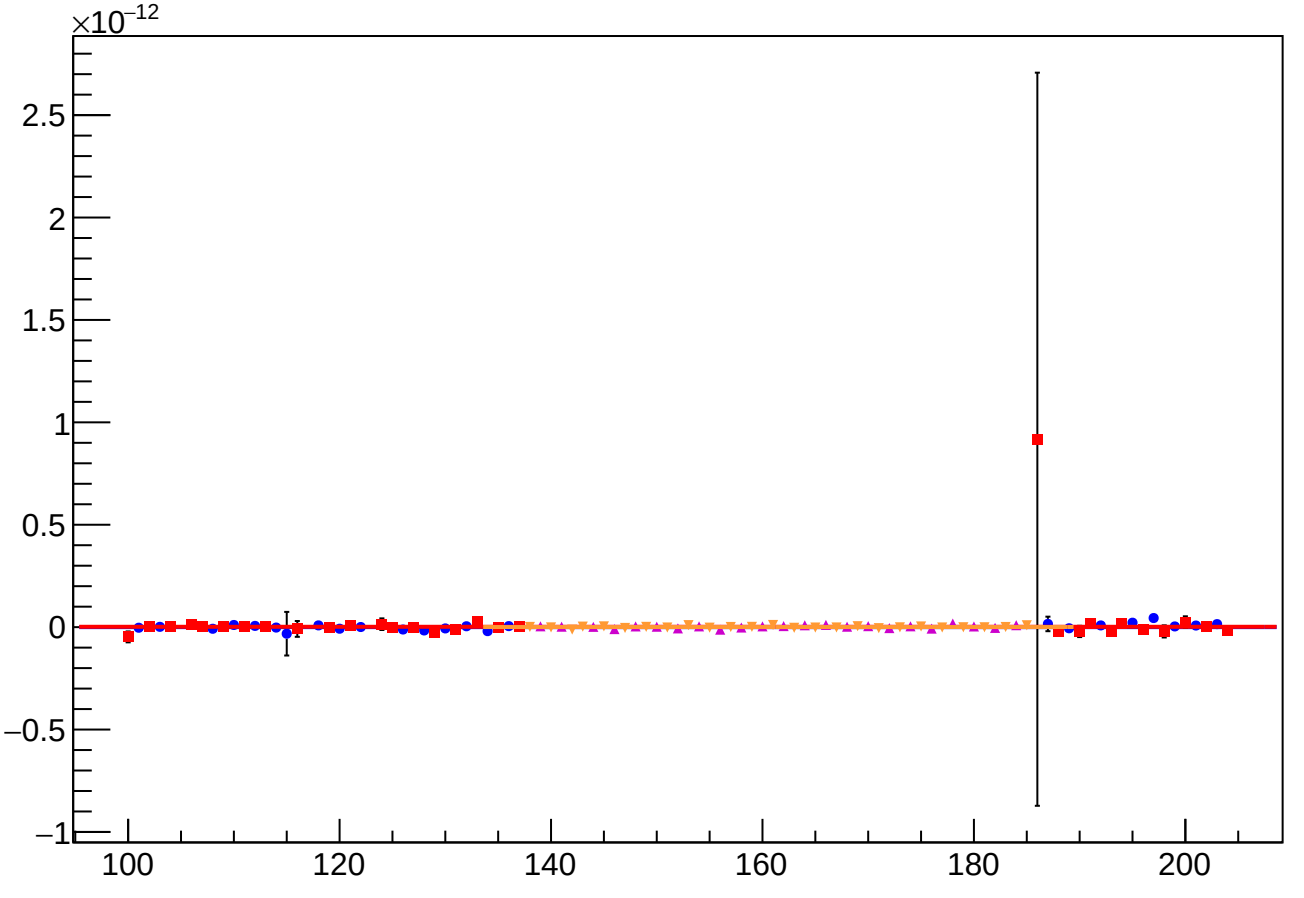
Left: 20.925+/-0.003 χ^2/NDF: 8002374.3/47

Right: 19.722+/-0.003 χ^2/NDF: 6970897.0/53

In: 20.153+/-0.003 χ^2/NDF:6727690.9/46

Out: 20.593+/-0.003 χ^2/NDF:8328284.7/54

All: 20.379+/-0.002 χ^2/NDF: 15068873.4/101



Right In: 0.000+/-0.000 χ^2/NDF: 20.4/23

Left Out: 0.000+/-0.000 χ^2/NDF:14.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 25.4/29

Left In: 0.000+/-0.000 χ^2/NDF:26.5/22

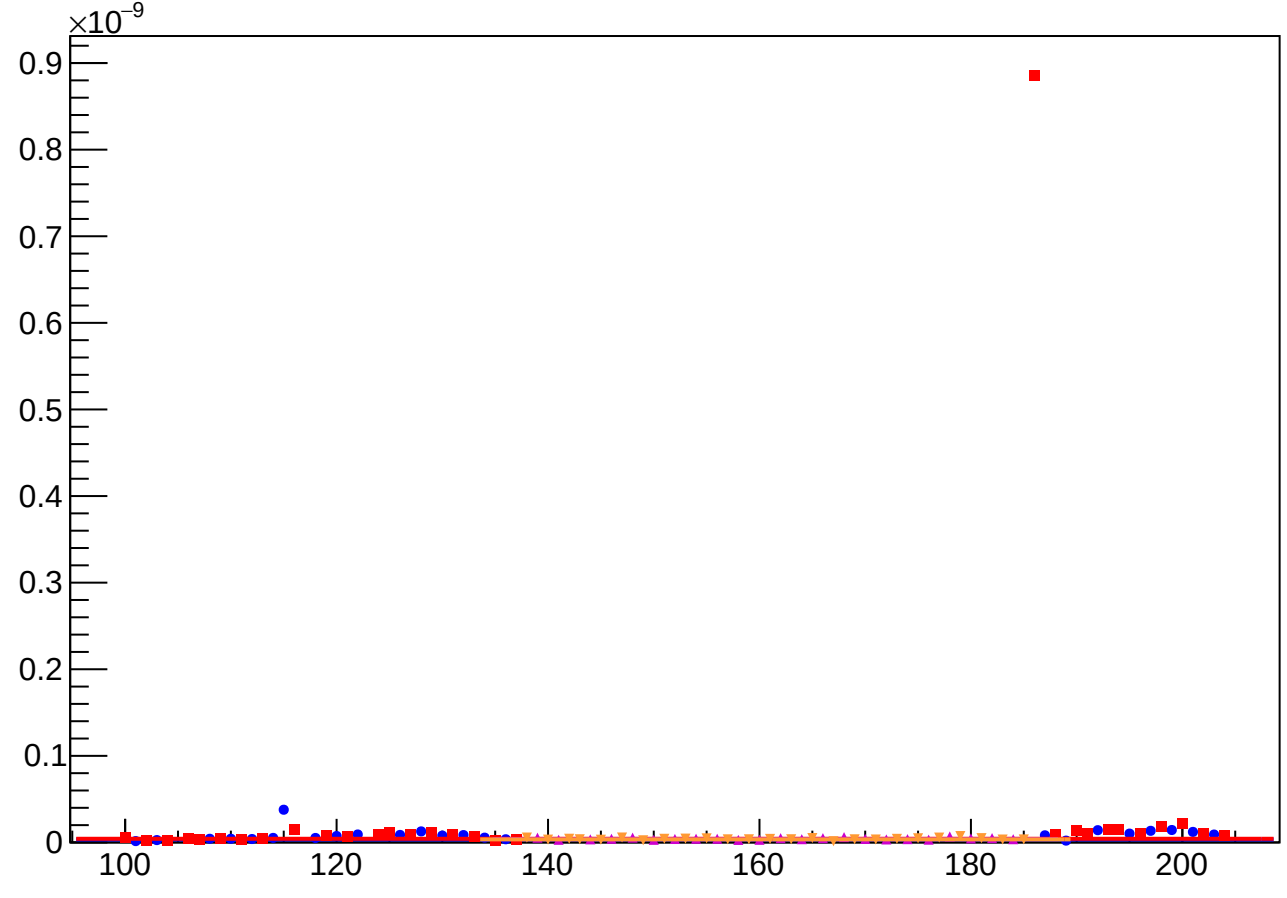
Left: 0.000+/-0.000 χ^2/NDF: 41.0/47

Right: 0.000+/-0.000 χ^2/NDF: 46.3/53

In: 0.000+/-0.000 χ^2/NDF:47.0/46

Out: 0.000+/-0.000 χ^2/NDF:40.4/54

All: 0.000+/-0.000 χ^2/NDF: 87.4/101



Right In: 0.000+/-0.000 χ^2/NDF: 6113900.1/23

Left Out: 0.000+/-0.000 χ^2/NDF:2527443.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7156215.9/29

Left In: 0.000+/-0.000 χ^2/NDF:1198286.8/22

Left: 0.000+/-0.000 χ^2/NDF: 3840820.1/47

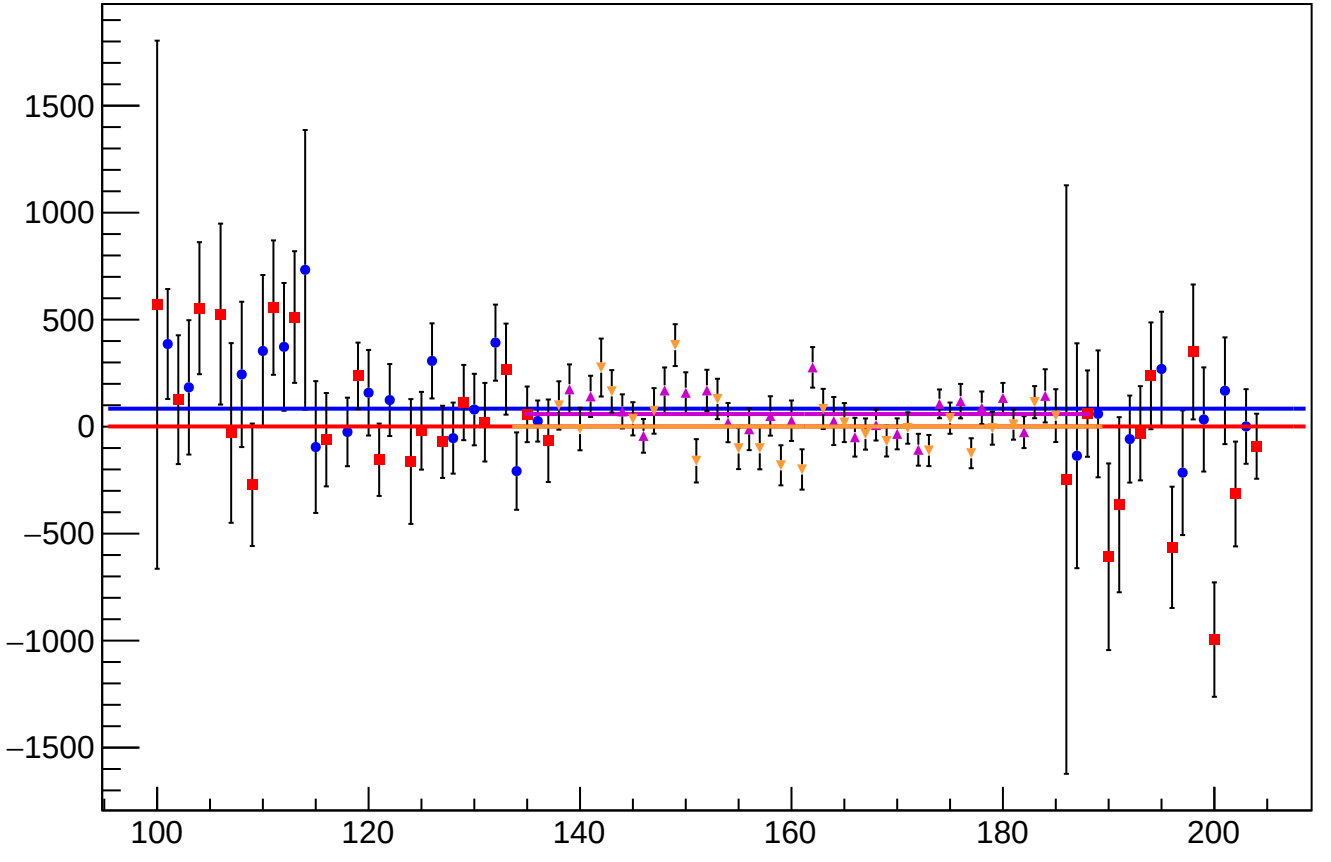
Right: 0.000+/-0.000 χ^2/NDF: 13510601.9/53

In: 0.000+/-0.000 χ^2/NDF:7427371.9/46

Out: 0.000+/-0.000 χ^2/NDF:9934633.9/54

All: 0.000+/-0.000 χ^2/NDF: 17362237.1/101

reg_asym_sam_26_avg_mean vs Slug, Sign Corrected



Right In: 84.017+/-41.827 χ^2/NDF: 16.1/23

Left Out: 0.598+/-17.319 χ^2/NDF:48.6/24

Right Out: 0.880+/-41.506 χ^2/NDF: 42.9/29

Left In: 58.907+/-17.879 χ^2/NDF:25.8/22

Left: 28.825+/-12.440 χ^2/NDF: 79.9/47

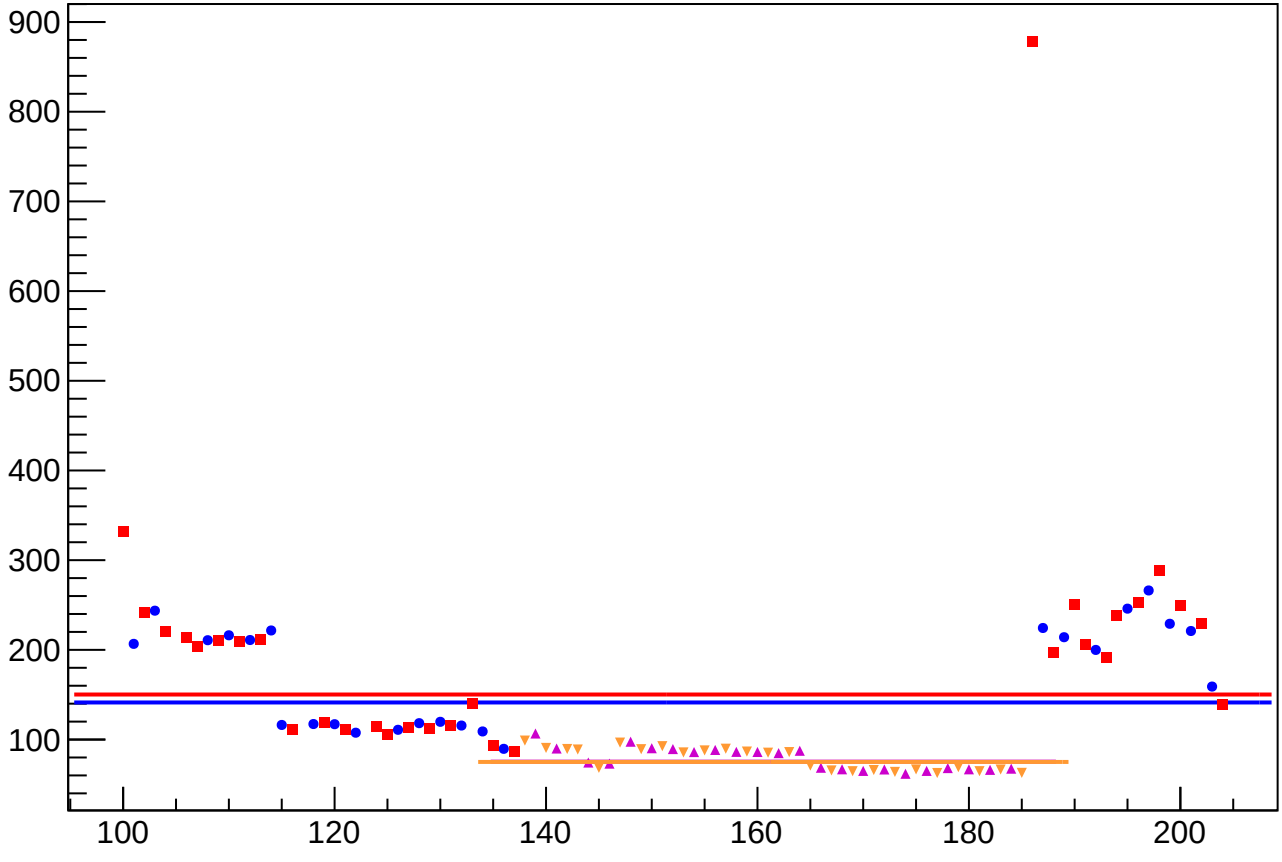
Right: 42.127+/-29.462 χ^2/NDF: 61.0/53

In: 62.786+/-16.440 χ^2/NDF:42.2/46

Out: 0.640+/-15.984 χ^2/NDF:91.5/54

All: 30.838+/-11.460 χ^2/NDF: 141.0/101

reg_asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 141.342+/-0.030 χ^2/NDF: 3133984.0/23

Left Out: 75.041+/-0.012 χ^2/NDF:928107.8/24

Right Out: 150.211+/-0.029 χ^2/NDF: 4189037.4/29

Left In: 75.352+/-0.013 χ^2/NDF:837634.2/22

Left: 75.192+/-0.009 χ^2/NDF: 1766053.8/47

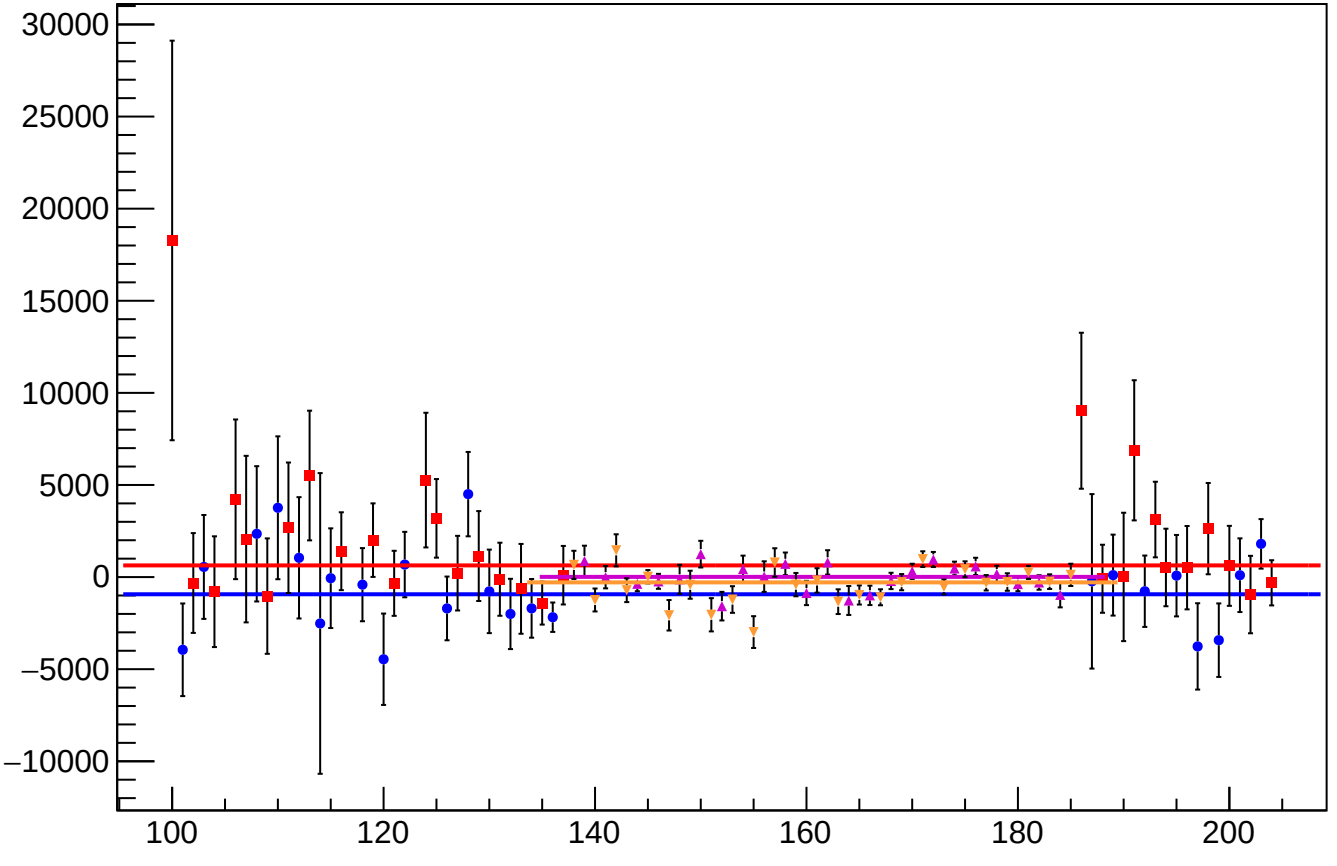
Right: 145.811+/-0.021 χ^2/NDF: 7368325.8/53

In: 85.547+/-0.012 χ^2/NDF:8180755.8/46

Out: 86.189+/-0.011 χ^2/NDF:10704281.2/54

All: 85.877+/-0.008 χ^2/NDF: 18886605.6/101

asym_sam_26_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -933.127+/-397.791 χ^2/NDF: 24.1/23

Left Out: -288.079+/-105.231 χ^2/NDF:53.3/24

Right Out: 633.644+/-404.927 χ^2/NDF: 24.1/29

Left In: 10.643+/-107.669 χ^2/NDF:33.4/22

Left: -142.139+/-75.257 χ^2/NDF: 90.6/47

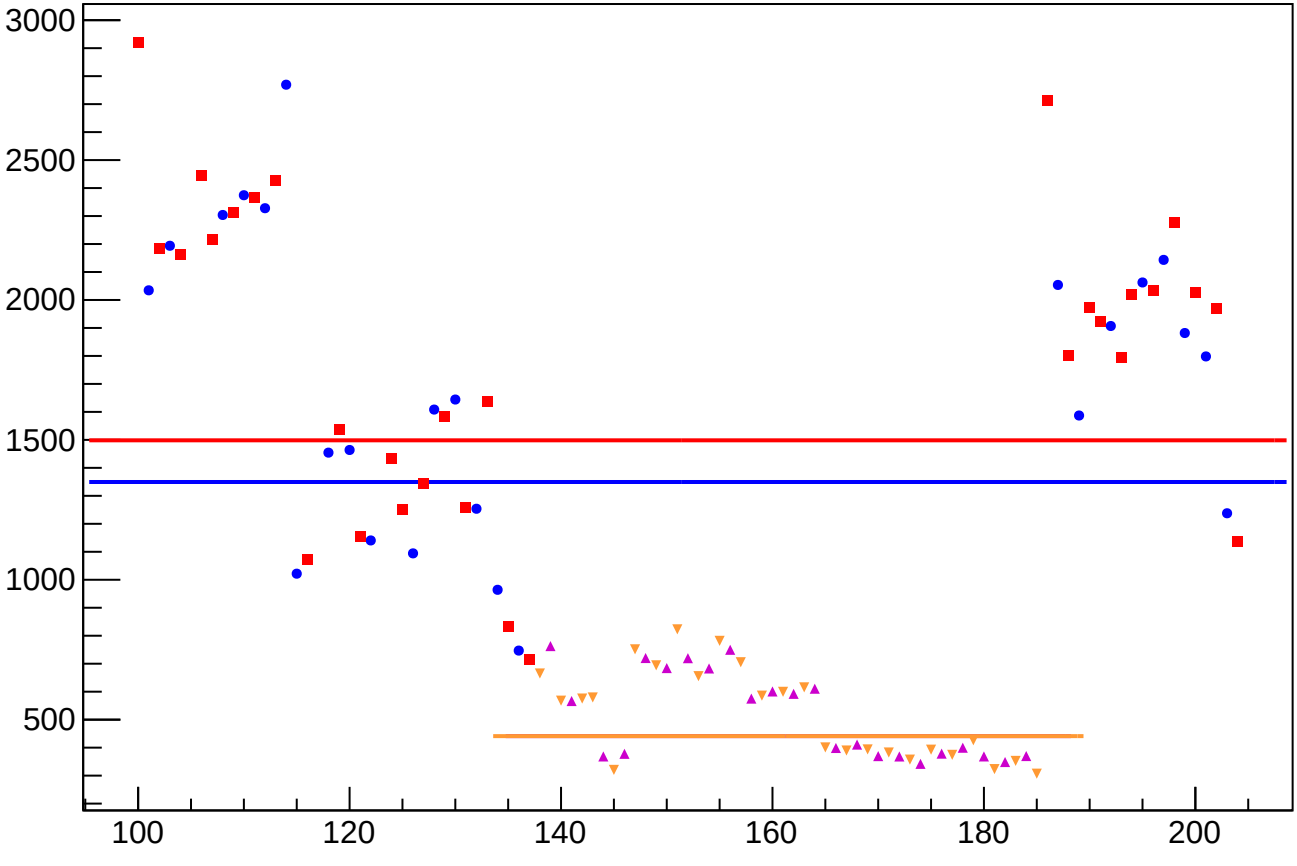
Right: -163.667+/-283.770 χ^2/NDF: 55.8/53

In: -53.779+/-103.930 χ^2/NDF:62.8/46

Out: -229.768+/-101.848 χ^2/NDF:82.2/54

All: -143.553+/-72.742 χ^2/NDF: 146.4/101

asym_sam_26_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 1349.442+/-0.281 χ^2/NDF: 3199479.3/23

Left Out: 441.128+/-0.074 χ^2/NDF:3234629.2/24

Right Out: 1498.392+/-0.286 χ^2/NDF: 3316702.7/29

Left In: 441.196+/-0.076 χ^2/NDF:2682075.8/22

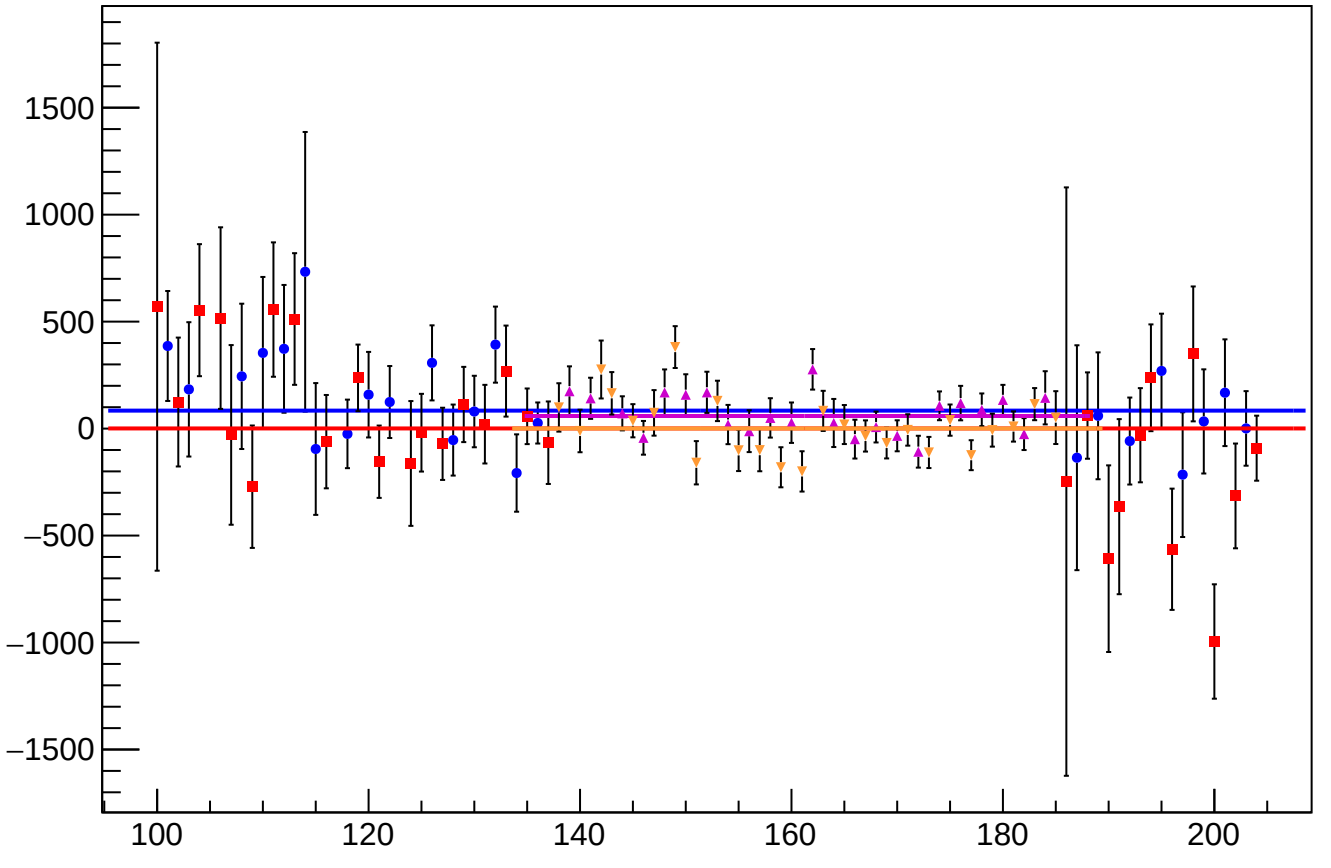
Left: 441.161+/-0.053 χ^2/NDF: 5916705.4/47

Right: 1422.593+/-0.201 χ^2/NDF: 6653898.0/53

In: 503.193+/-0.073 χ^2/NDF:15596058.8/46

Out: 508.015+/-0.072 χ^2/NDF:19323407.1/54

All: 505.653+/-0.051 χ^2/NDF: 34921661.7/10



Right In: 84.003+/-41.827 χ^2/NDF: 16.1/23

Left Out: 0.598+/-17.319 χ^2/NDF:48.6/24

Right Out: 0.716+/-41.507 χ^2/NDF: 42.8/29

Left In: 58.904+/-17.879 χ^2/NDF:25.8/22

Left: 28.824+/-12.440 χ^2/NDF: 79.9/47

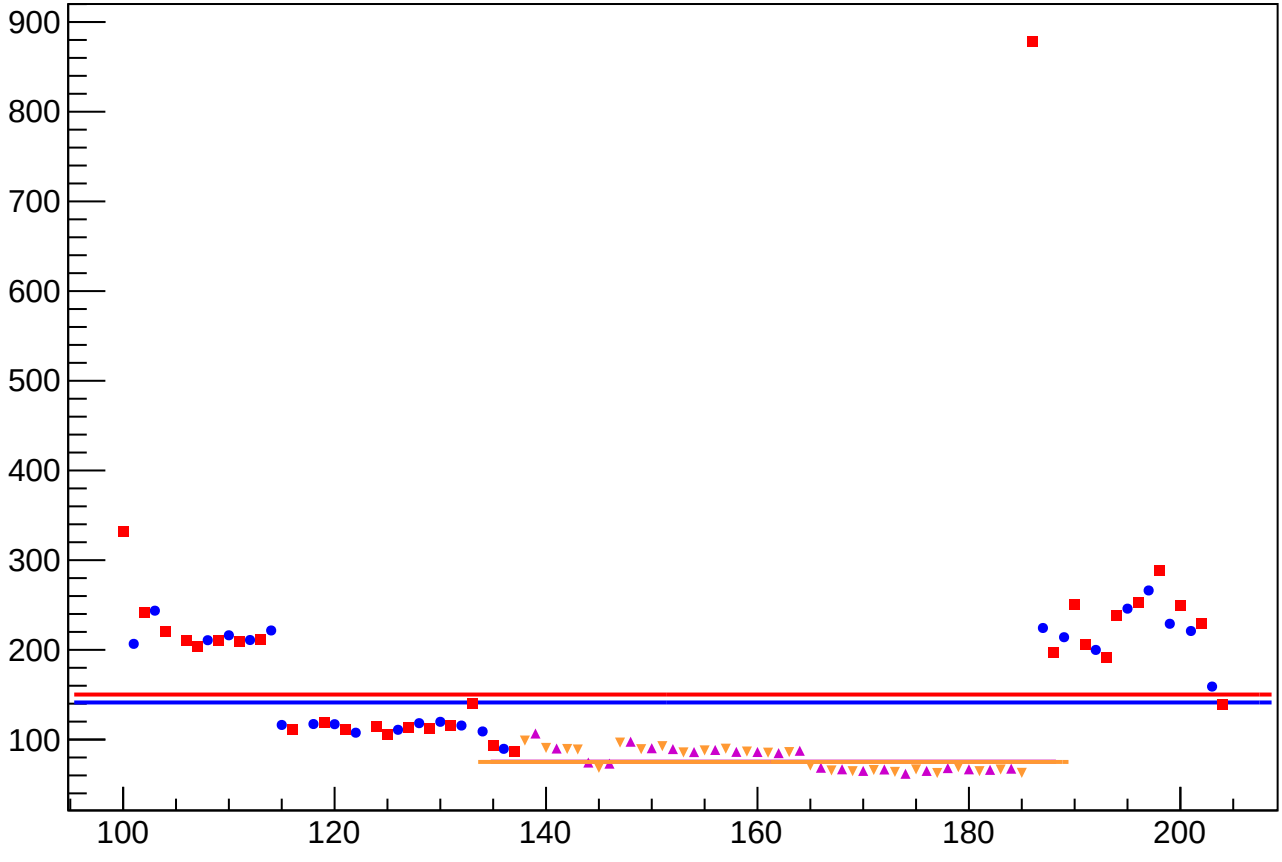
Right: 42.040+/-29.463 χ^2/NDF: 60.9/53

In: 62.782+/-16.440 χ^2/NDF:42.2/46

Out: 0.615+/-15.984 χ^2/NDF:91.4/54

All: 30.824+/-11.460 χ^2/NDF: 141.0/101

cor_asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 141.342+/-0.030 χ^2/NDF: 3133986.5/23

Left Out: 75.041+/-0.012 χ^2/NDF:928107.8/24

Right Out: 150.178+/-0.029 χ^2/NDF: 4184781.5/29

Left In: 75.352+/-0.013 χ^2/NDF:837634.2/22

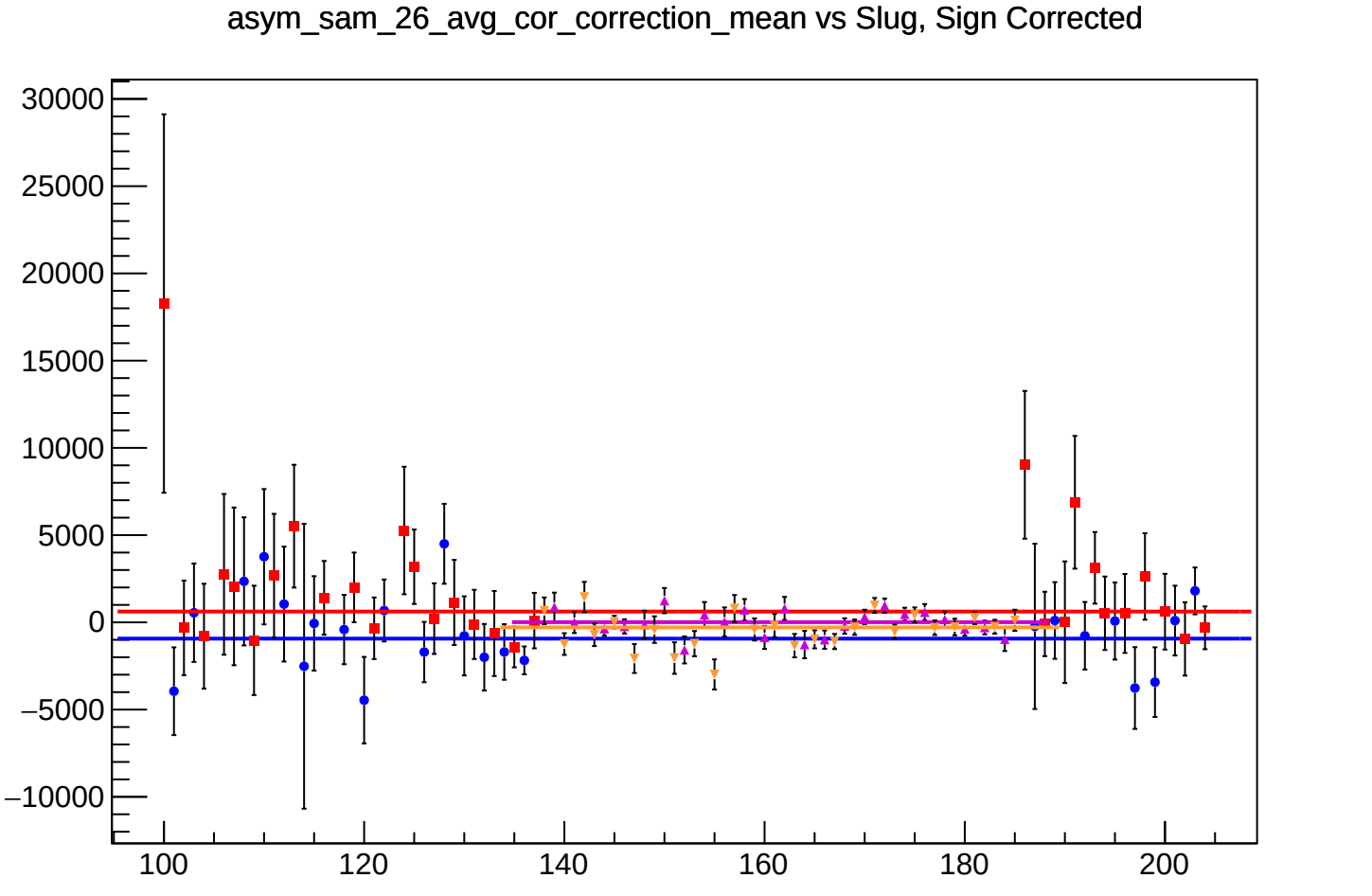
Left: 75.192+/-0.009 χ^2/NDF: 1766053.7/47

Right: 145.794+/-0.021 χ^2/NDF: 7363730.3/53

In: 85.547+/-0.012 χ^2/NDF:8180757.8/46

Out: 86.183+/-0.011 χ^2/NDF:10694648.2/54

All: 85.874+/-0.008 χ^2/NDF: 18876946.5/101



Right In: -933.113+/-397.792 χ^2/NDF: 24.1/23

Left Out: -288.079+/-105.231 χ^2/NDF:53.3/24

Right Out: 618.813+/-405.136 χ^2/NDF: 23.6/29

Left In: 10.644+/-107.670 χ^2/NDF:33.4/22

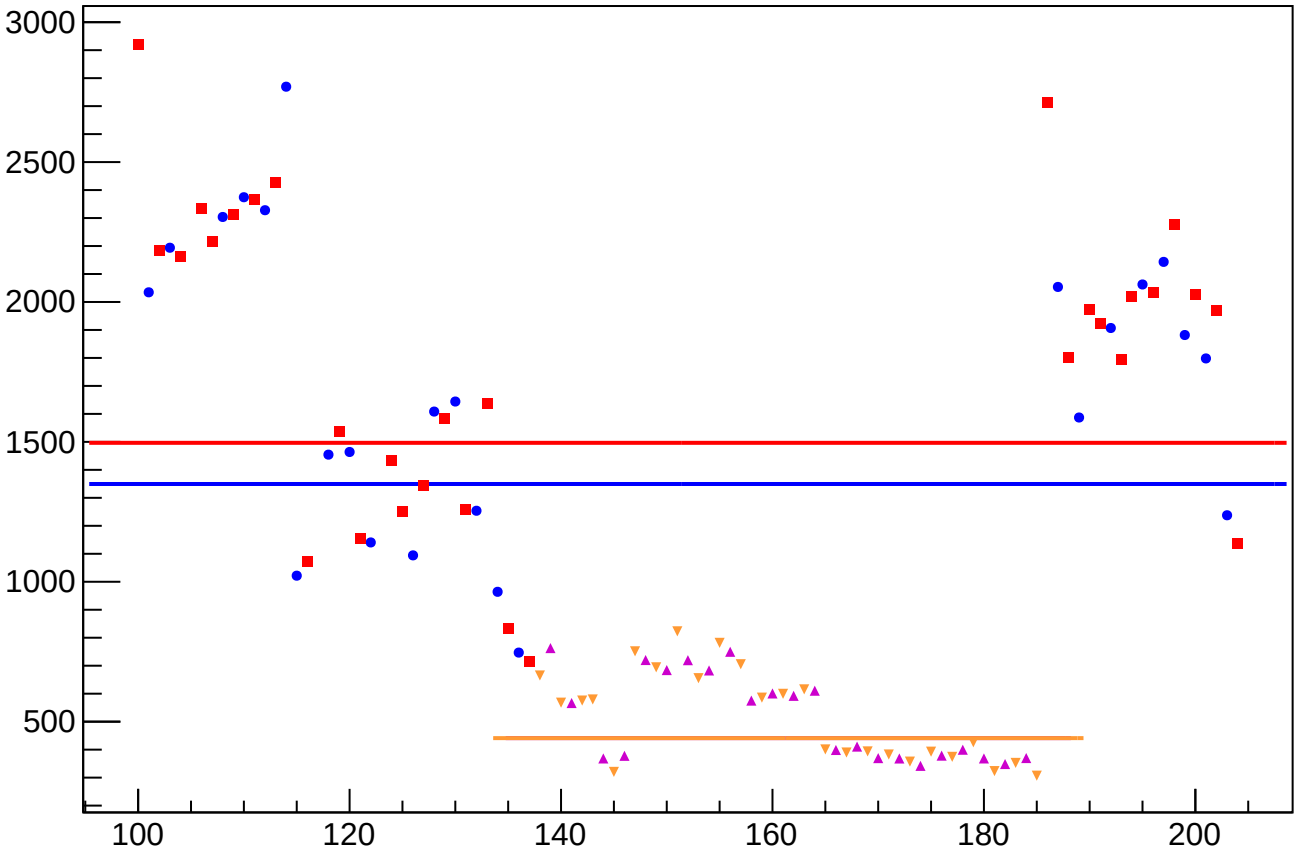
Left: -142.138+/-75.257 χ^2/NDF: 90.6/47

Right: -171.344+/-283.842 χ^2/NDF: 55.2/53

In: -53.777+/-103.930 χ^2/NDF:62.8/46

Out: -230.761+/-101.852 χ^2/NDF:81.6/54

All: -144.056+/-72.744 χ^2/NDF: 145.8/101



Right In: 1349.442+/-0.281 χ^2/NDF: 3199510.9/23

Left Out: 441.128+/-0.074 χ^2/NDF:3234622.5/24

Right Out: 1496.611+/-0.286 χ^2/NDF: 3287694.3/29

Left In: 441.196+/-0.076 χ^2/NDF:2682073.9/22

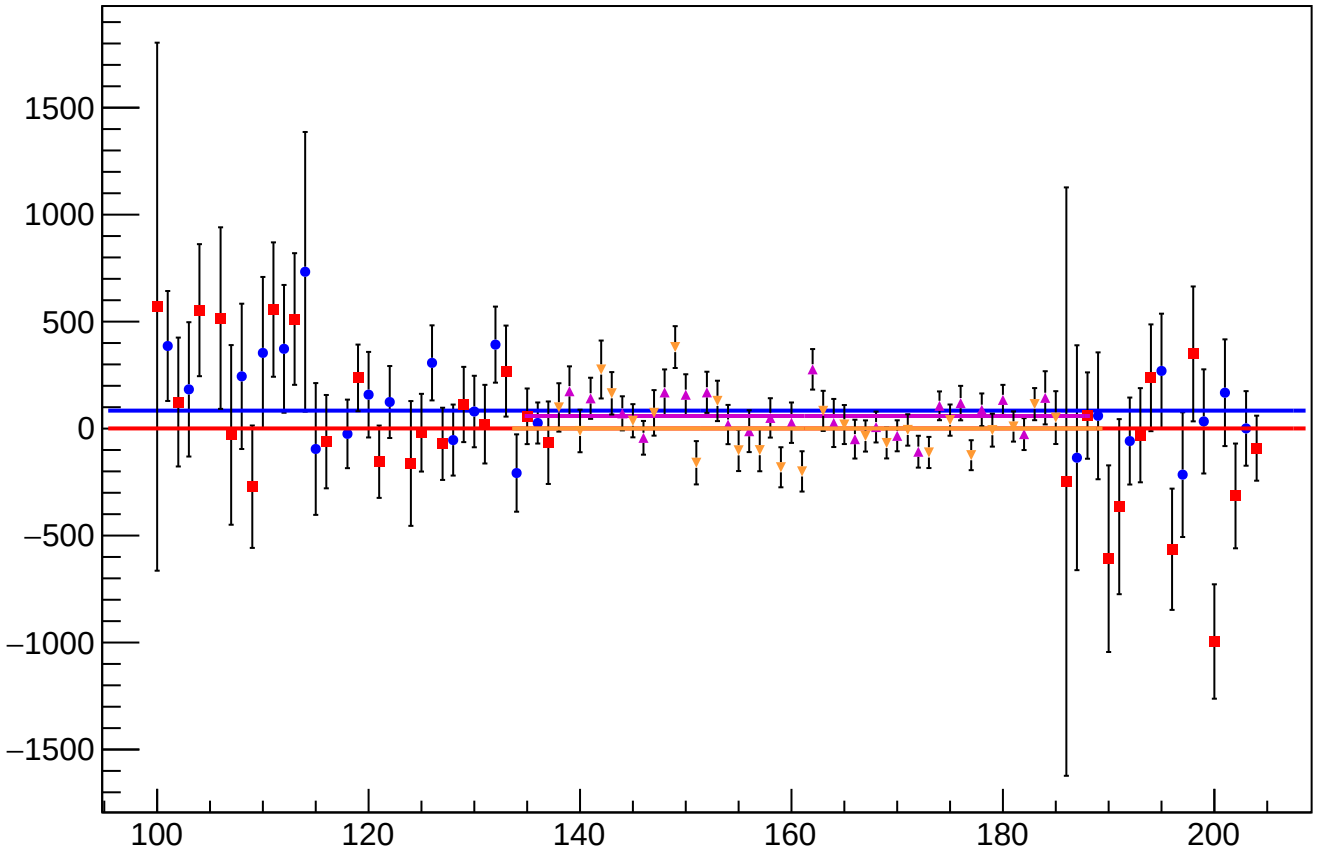
Left: 441.162+/-0.053 χ^2/NDF: 5916696.8/47

Right: 1421.680+/-0.201 χ^2/NDF: 6621575.0/53

In: 503.193+/-0.073 χ^2/NDF:15596068.0/46

Out: 507.838+/-0.072 χ^2/NDF:19239062.3/54

All: 505.562+/-0.051 χ^2/NDF: 34837167.5/10



Right In: 84.003+/-41.827 χ^2/NDF: 16.1/23

Left Out: 0.598+/-17.319 χ^2/NDF:48.6/24

Right Out: 0.716+/-41.507 χ^2/NDF: 42.8/29

Left In: 58.904+/-17.879 χ^2/NDF:25.8/22

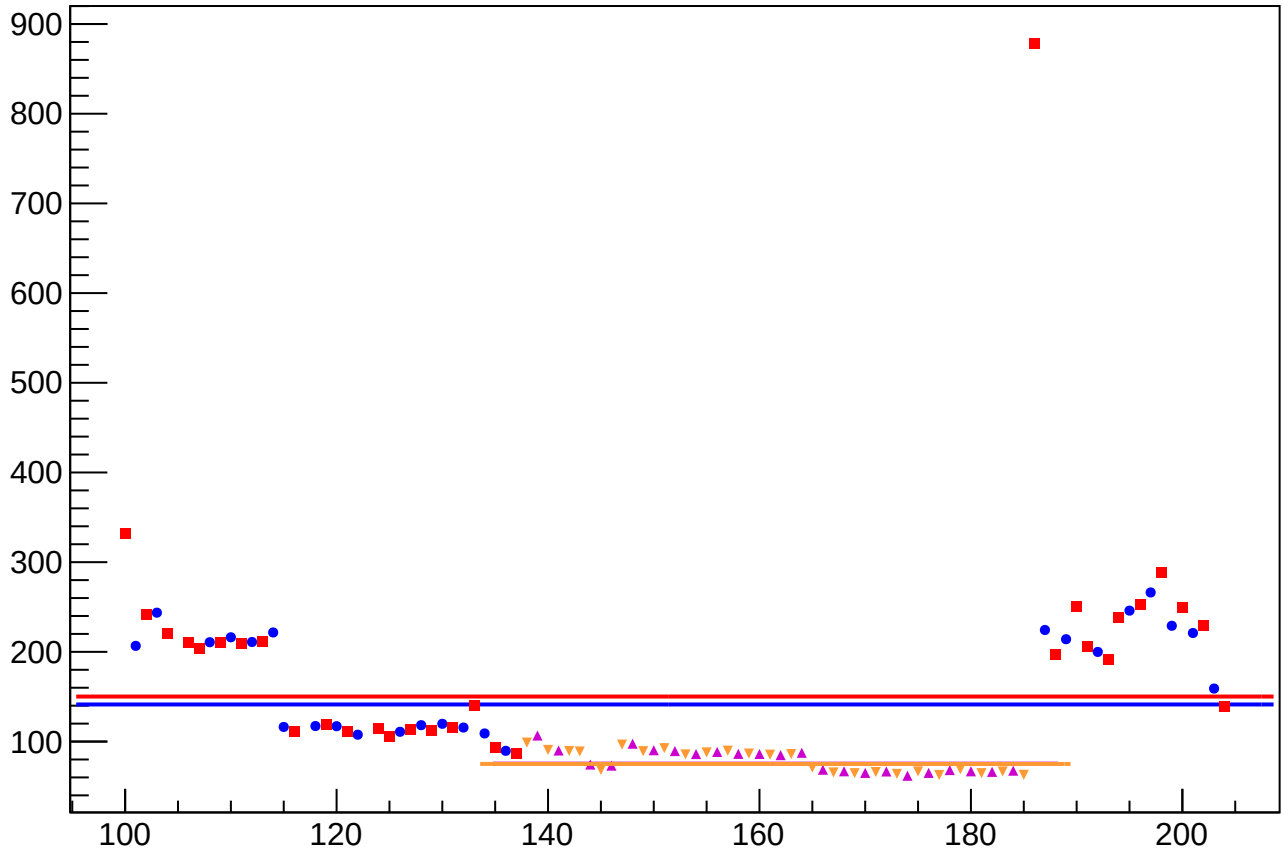
Left: 28.824+/-12.440 χ^2/NDF: 79.9/47

Right: 42.040+/-29.463 χ^2/NDF: 60.9/53

In: 62.782+/-16.440 χ^2/NDF:42.2/46

Out: 0.615+/-15.984 χ^2/NDF:91.4/54

All: 30.824+/-11.460 χ^2/NDF: 141.0/101



Right In: 141.342+/-0.030 χ^2/NDF: 3133986.5/23

Left Out: 75.041+/-0.012 χ^2/NDF:928107.8/24

Right Out: 150.178+/-0.029 χ^2/NDF: 4184781.5/29

Left In: 75.352+/-0.013 χ^2/NDF:837634.2/22

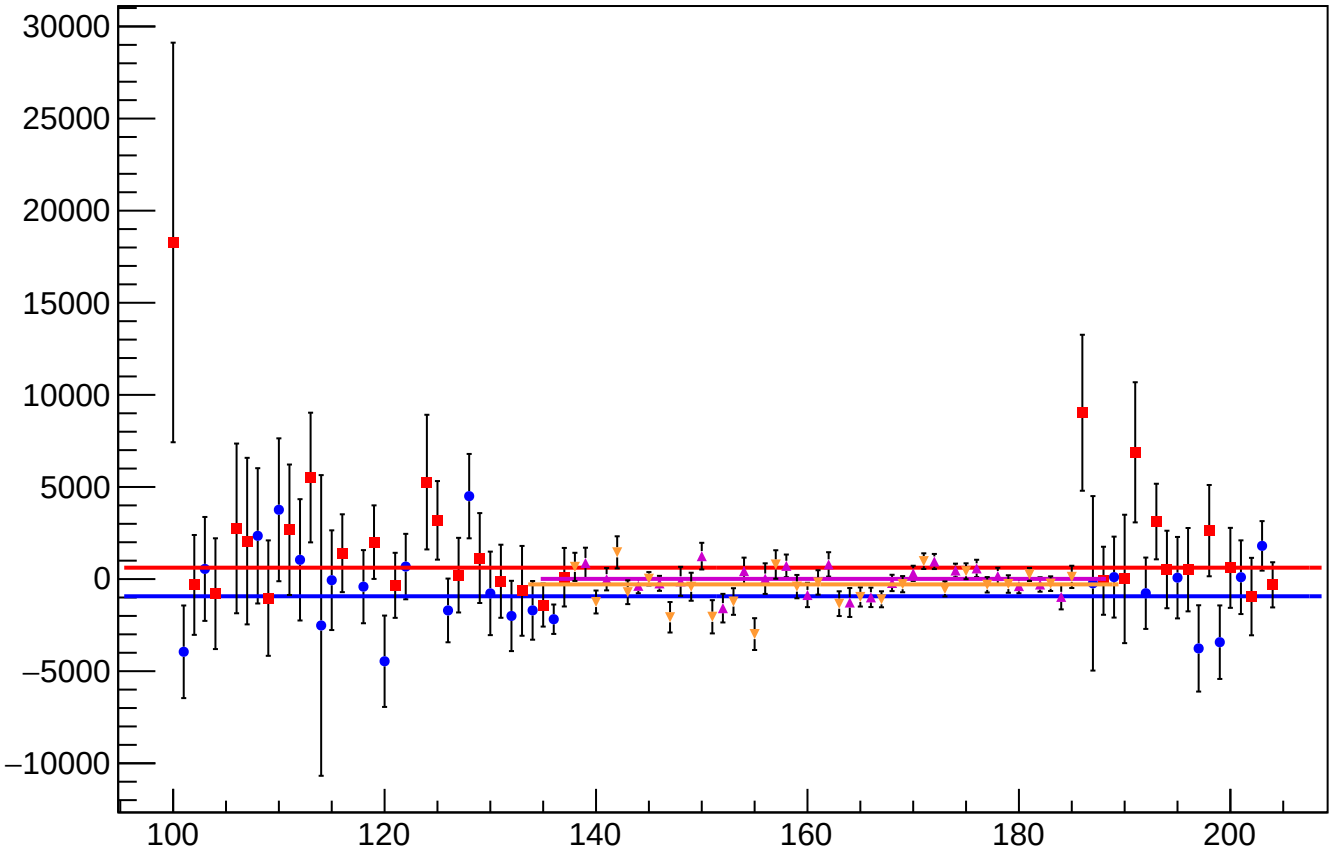
Left: 75.192+/-0.009 χ^2/NDF: 1766053.7/47

Right: 145.794+/-0.021 χ^2/NDF: 7363730.3/53

In: 85.547+/-0.012 χ^2/NDF:8180757.8/46

Out: 86.183+/-0.011 χ^2/NDF:10694648.2/54

All: 85.874+/-0.008 χ^2/NDF: 18876946.5/101



Right In: -933.113+/-397.792 χ^2/NDF: 24.1/23

Left Out: -288.079+/-105.231 χ^2/NDF:53.3/24

Right Out: 618.813+/-405.136 χ^2/NDF: 23.6/29

Left In: 10.644+/-107.670 χ^2/NDF:33.4/22

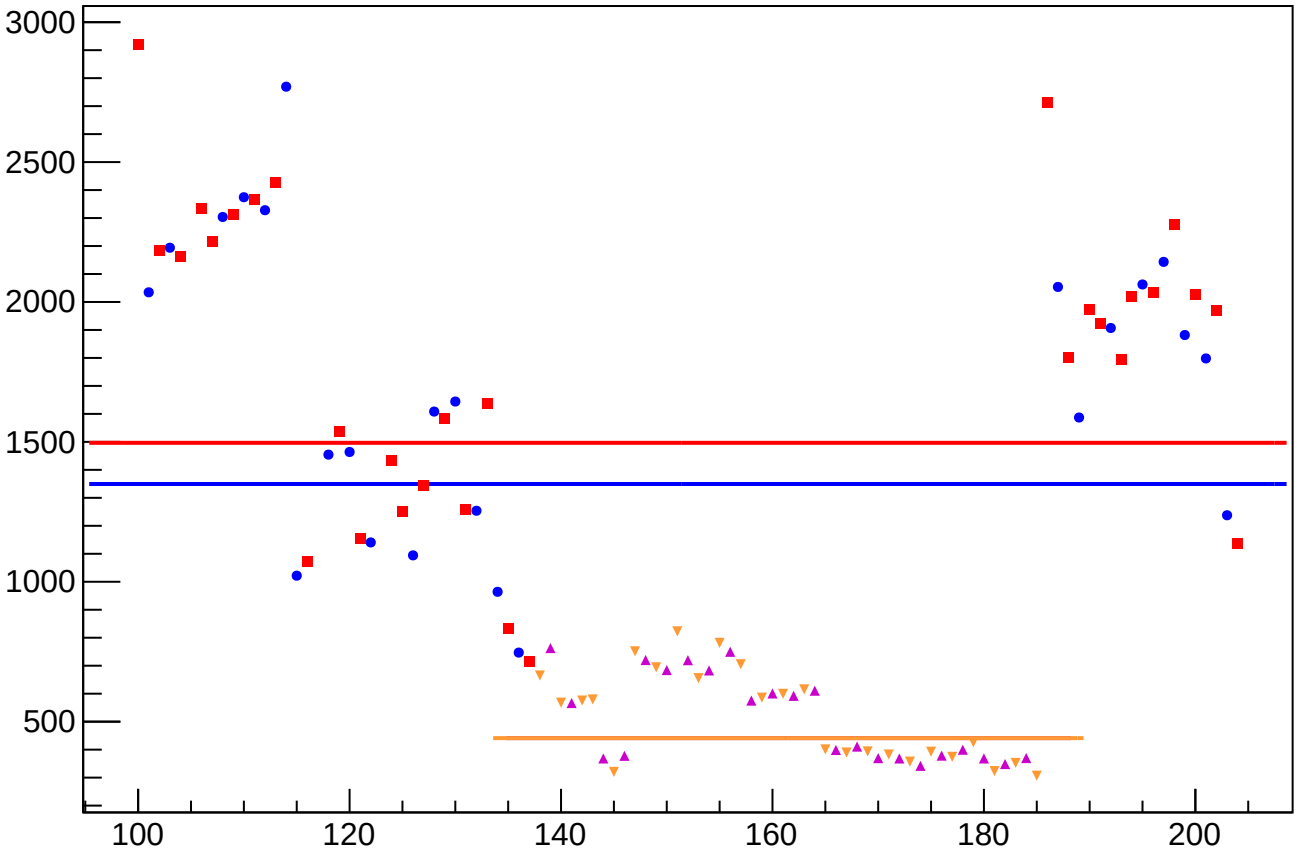
Left: -142.138+/-75.257 χ^2/NDF: 90.6/47

Right: -171.344+/-283.842 χ^2/NDF: 55.2/53

In: -53.777+/-103.930 χ^2/NDF:62.8/46

Out: -230.761+/-101.852 χ^2/NDF:81.6/54

All: -144.056+/-72.744 χ^2/NDF: 145.8/101



Right In: 1349.442+/-0.281 χ^2/NDF: 3199510.9/23

Left Out: 441.128+/-0.074 χ^2/NDF:3234622.5/24

Right Out: 1496.611+/-0.286 χ^2/NDF: 3287694.3/29

Left In: 441.196+/-0.076 χ^2/NDF:2682073.9/22

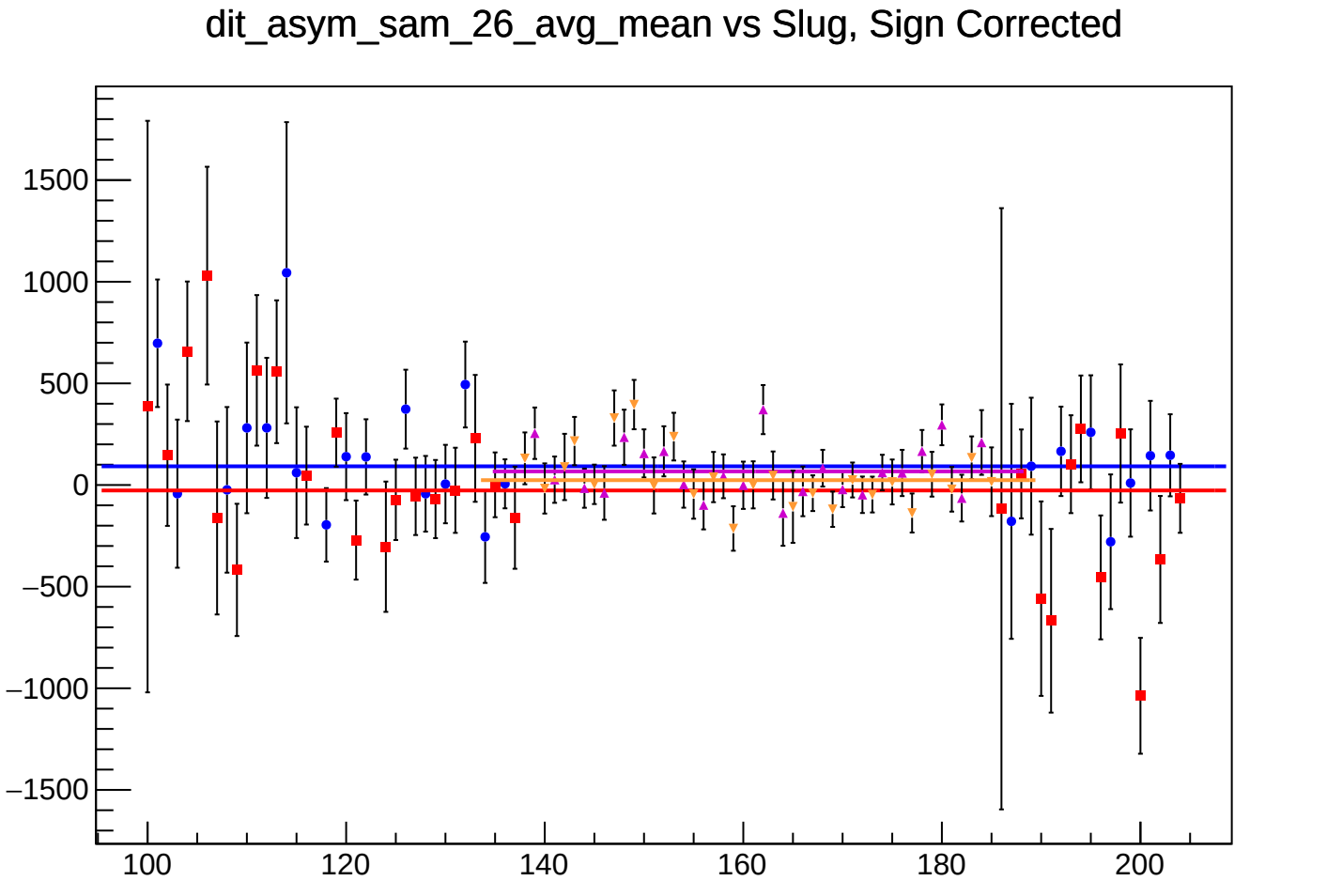
Left: 441.162+/-0.053 χ^2/NDF: 5916696.8/47

Right: 1421.680+/-0.201 χ^2/NDF: 6621575.0/53

In: 503.193+/-0.073 χ^2/NDF:15596068.0/46

Out: 507.838+/-0.072 χ^2/NDF:19239062.3/54

All: 505.562+/-0.051 χ^2/NDF: 34837167.5/10



Right In: 91.960+/-48.177 χ^2/NDF: 20.2/23

Left Out: 23.873+/-22.414 χ^2/NDF:35.2/24

Right Out: -26.866+/-47.312 χ^2/NDF: 42.9/29

Left In: 67.086+/-23.121 χ^2/NDF:28.6/22

Left: 44.809+/-16.093 χ^2/NDF: 65.6/47

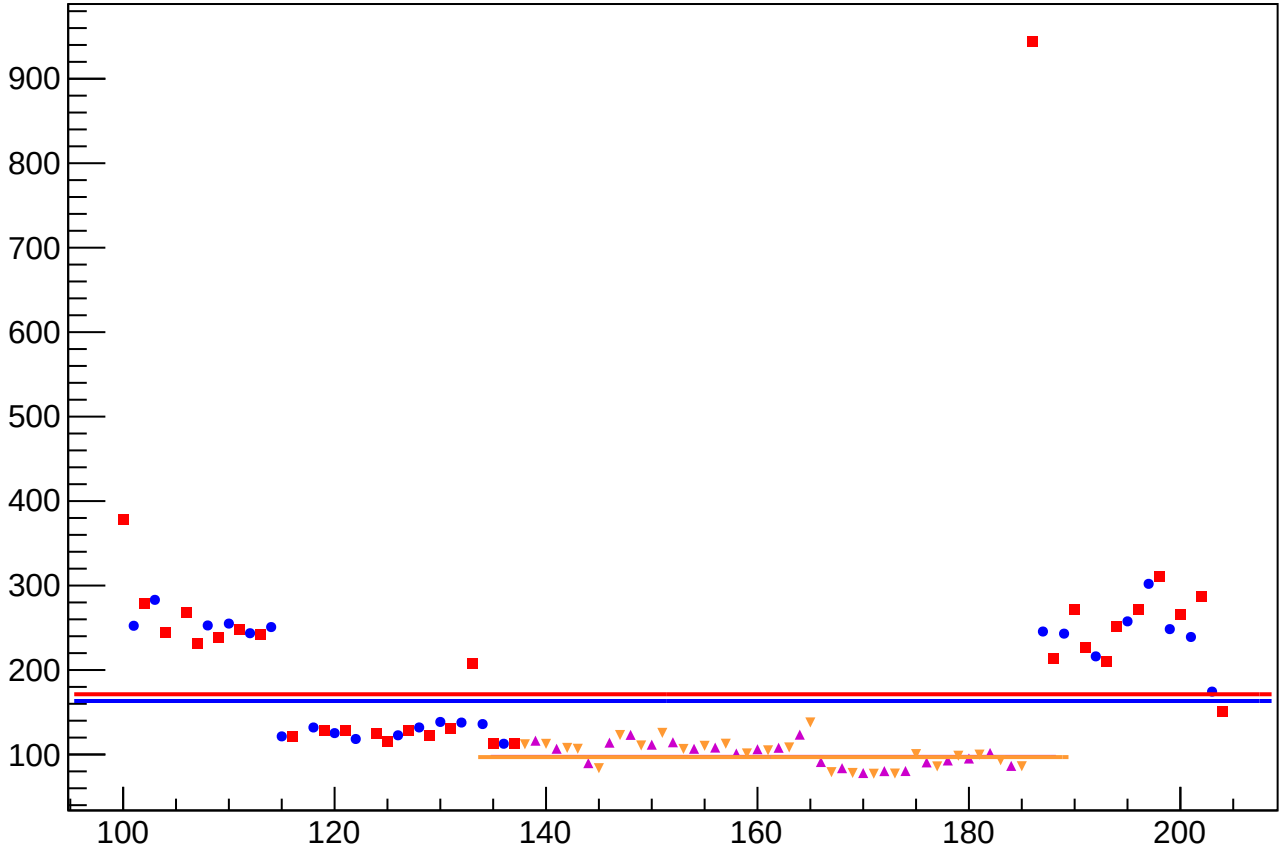
Right: 31.471+/-33.757 χ^2/NDF: 66.2/53

In: 71.742+/-20.845 χ^2/NDF:49.1/46

Out: 14.573+/-20.256 χ^2/NDF:79.0/54

All: 42.339+/-14.527 χ^2/NDF: 132.0/101

dit_asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 163.320+/-0.034 χ^2/NDF: 2784668.2/23

Left Out: 96.907+/-0.016 χ^2/NDF:933980.7/24

Right Out: 171.309+/-0.033 χ^2/NDF: 3945820.1/29

Left In: 97.167+/-0.016 χ^2/NDF:674595.2/22

Left: 97.033+/-0.011 χ^2/NDF: 1608706.5/47

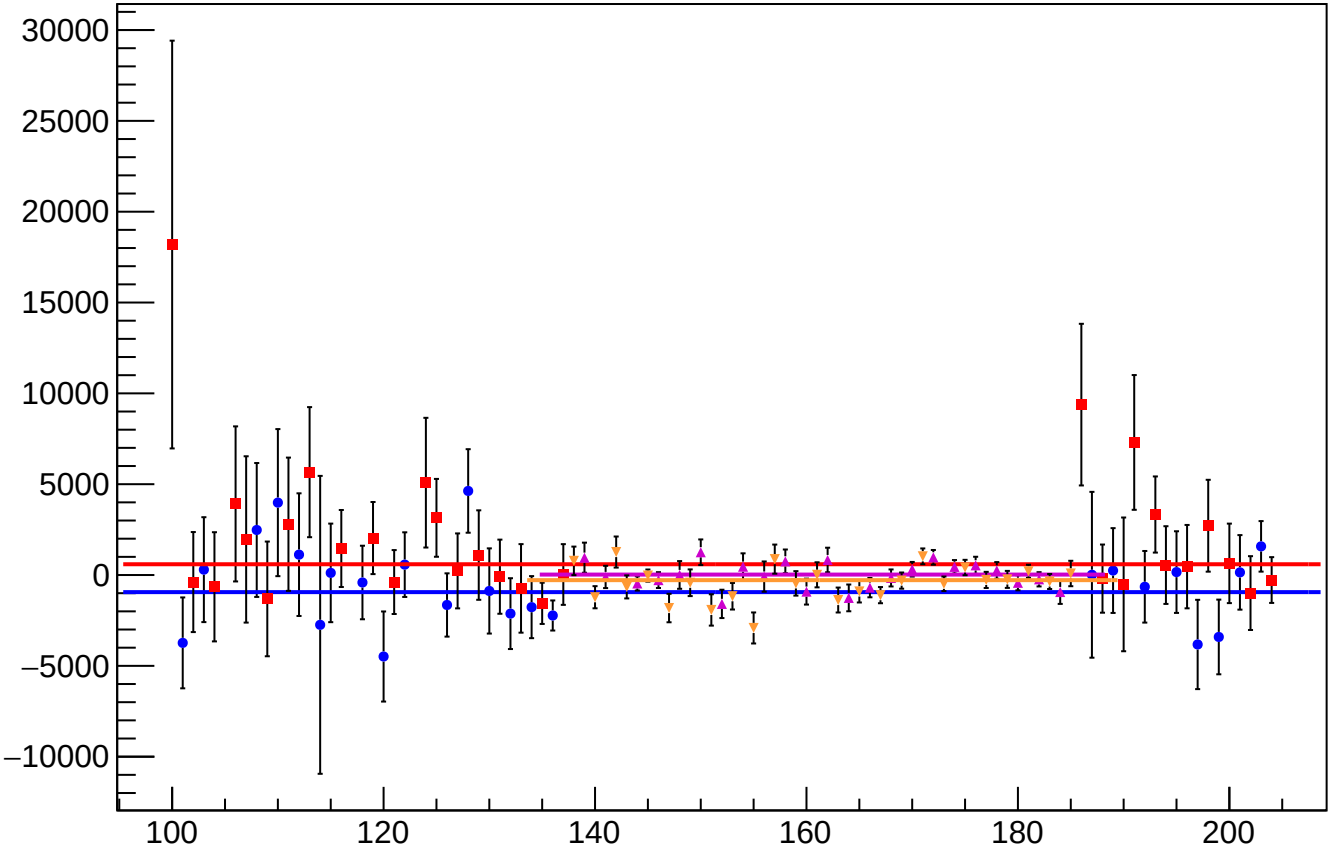
Right: 167.387+/-0.024 χ^2/NDF: 6758486.5/53

In: 109.551+/-0.015 χ^2/NDF:6524158.6/46

Out: 110.545+/-0.014 χ^2/NDF:8919128.5/54

All: 110.062+/-0.010 χ^2/NDF: 15445624.5/10

asym_sam_26_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -941.355+/-408.756 χ^2/NDF: 23.2/23

Left Out: -282.422+/-106.394 χ^2/NDF:50.4/24

Right Out: 593.176+/-408.272 χ^2/NDF: 25.3/29

Left In: 24.625+/-108.884 χ^2/NDF:32.9/22

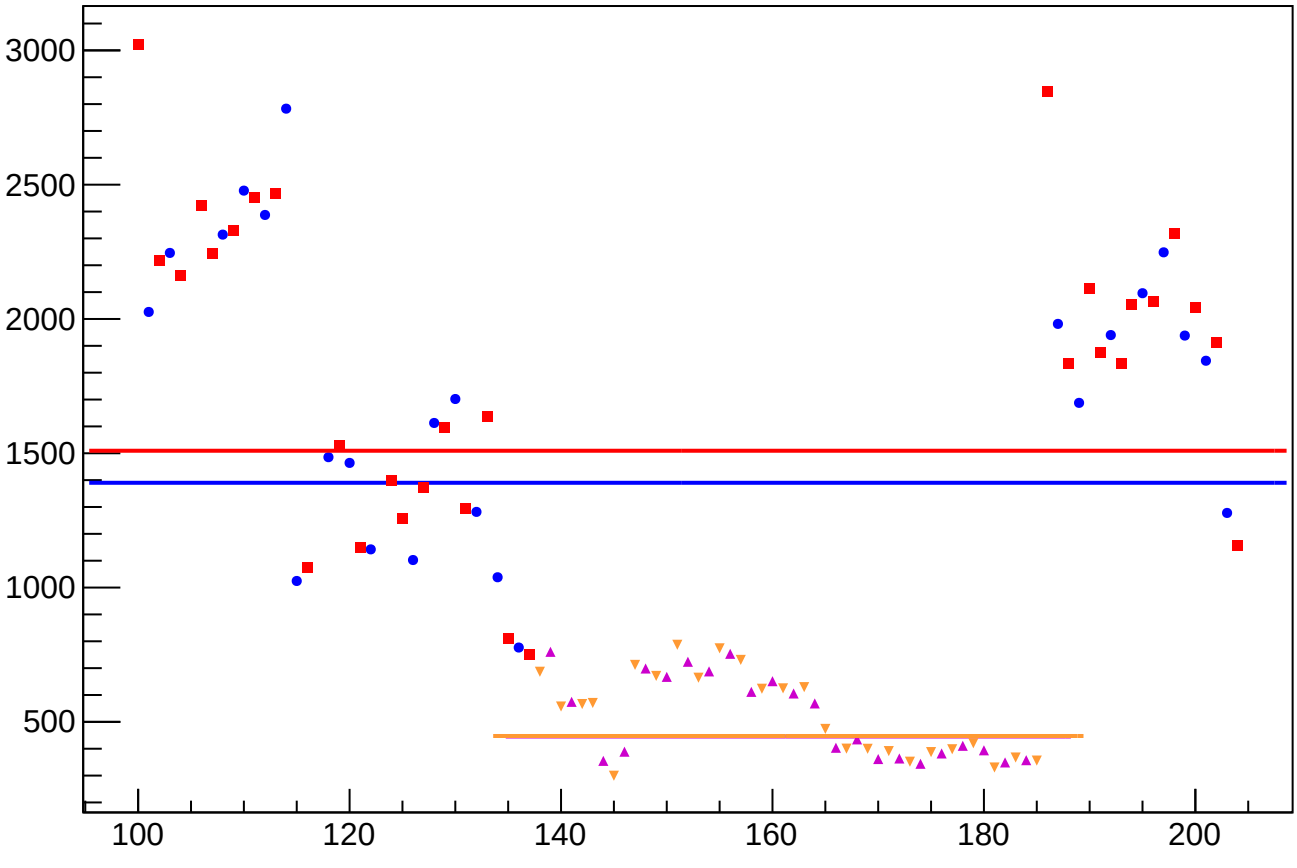
Left: -132.449+/-76.097 χ^2/NDF: 87.4/47

Right: -173.180+/-288.863 χ^2/NDF: 55.6/53

In: -39.376+/-105.215 χ^2/NDF:61.3/46

Out: -226.741+/-102.956 χ^2/NDF:80.1/54

All: -135.092+/-73.586 χ^2/NDF: 143.0/101



Right In: 1390.117+/-0.289 χ^2/NDF: 3102817.6/23

Left Out: 447.386+/-0.075 χ^2/NDF:3197771.9/24

Right Out: 1509.423+/-0.289 χ^2/NDF: 3388515.2/29

Left In: 445.491+/-0.077 χ^2/NDF:2713295.1/22

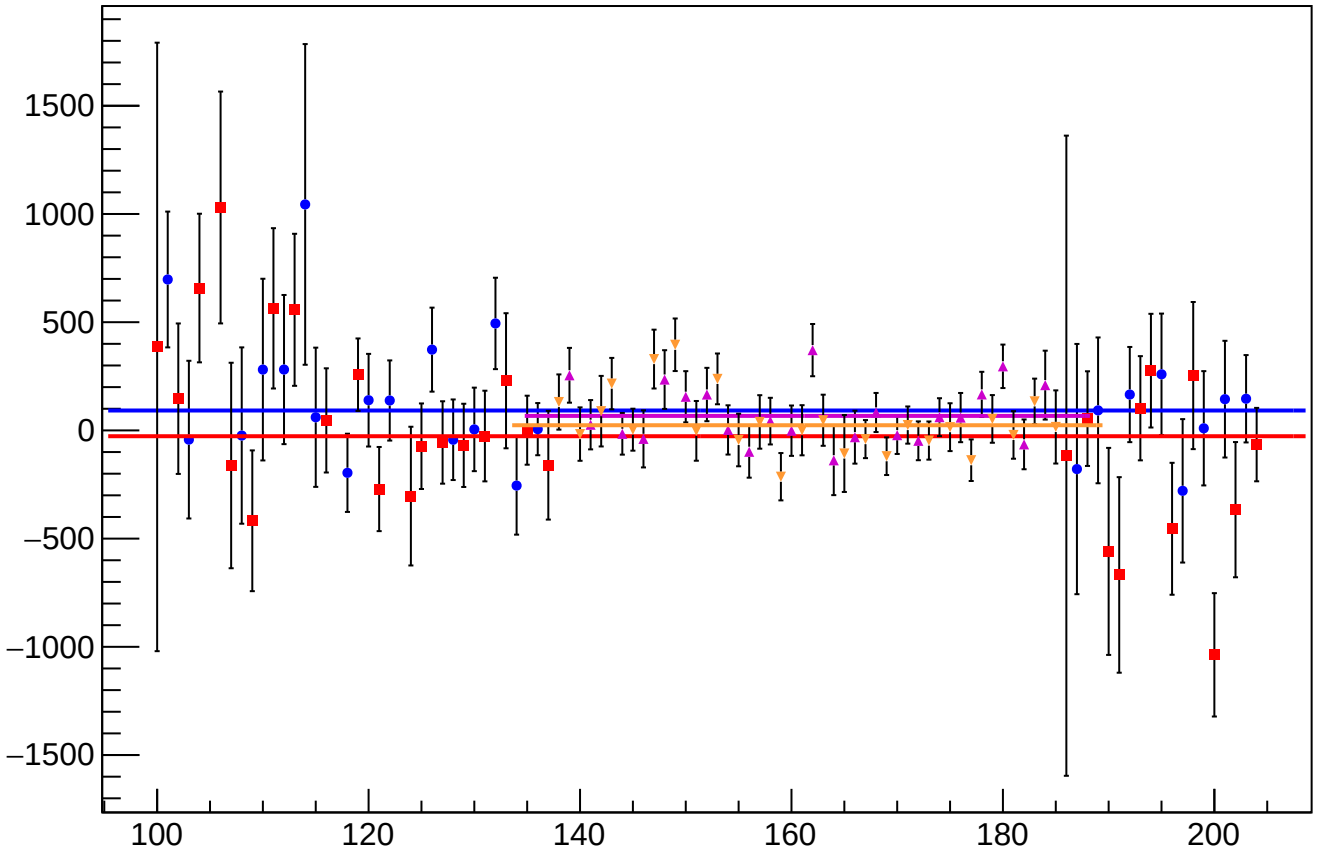
Left: 446.460+/-0.054 χ^2/NDF: 5911376.8/47

Right: 1449.841+/-0.204 χ^2/NDF: 6576624.3/53

In: 508.078+/-0.074 χ^2/NDF:15789651.2/46

Out: 514.923+/-0.073 χ^2/NDF:19259183.2/54

All: 511.575+/-0.052 χ^2/NDF: 35053158.0/10



Right In: 91.963+/-48.177 χ^2/NDF: 20.2/23

Left Out: 23.872+/-22.414 χ^2/NDF:35.2/24

Right Out: -26.865+/-47.312 χ^2/NDF: 42.9/29

Left In: 67.085+/-23.121 χ^2/NDF:28.6/22

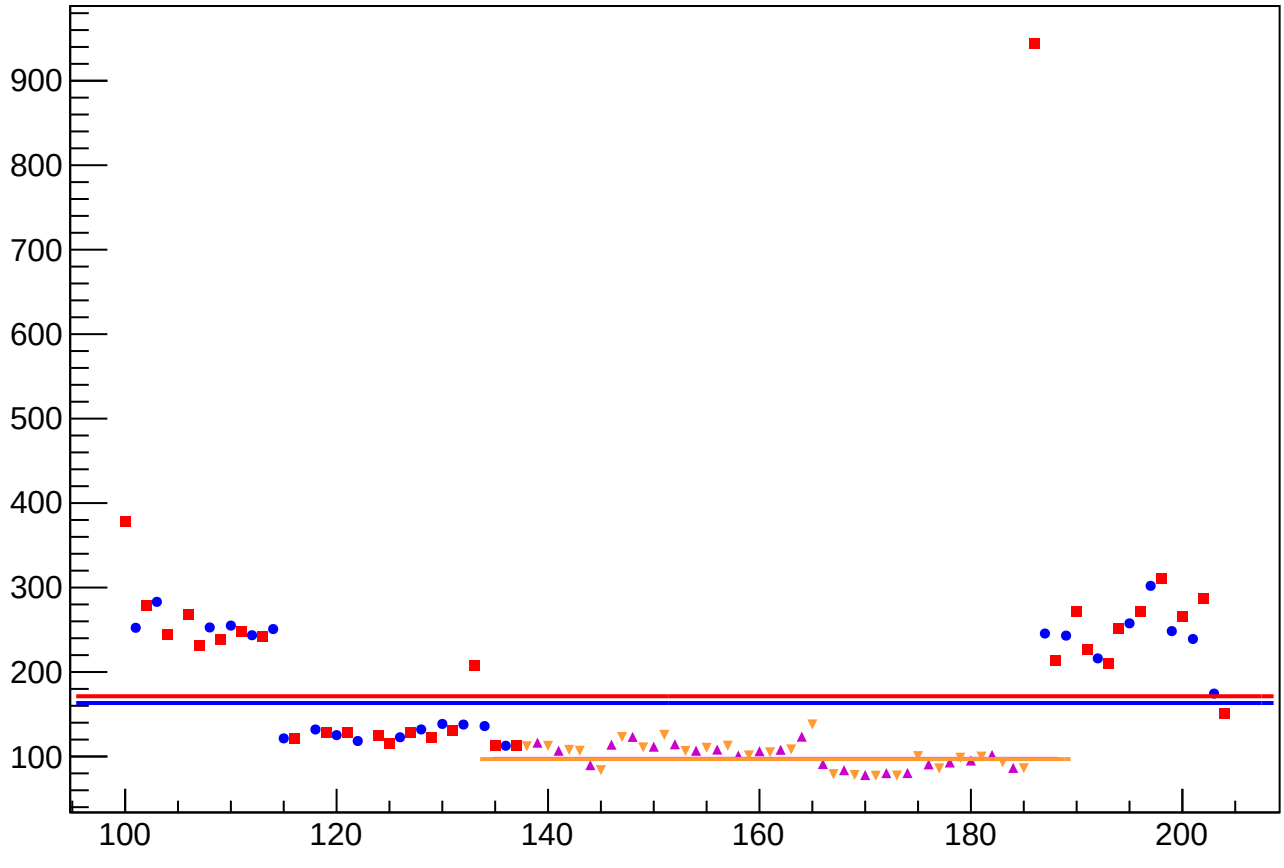
Left: 44.808+/-16.093 χ^2/NDF: 65.6/47

Right: 31.473+/-33.757 χ^2/NDF: 66.2/53

In: 71.742+/-20.845 χ^2/NDF:49.1/46

Out: 14.572+/-20.256 χ^2/NDF:79.0/54

All: 42.338+/-14.527 χ^2/NDF: 132.0/101



Right In: 163.319+/-0.034 χ^2/NDF: 2784679.2/23

Left Out: 96.907+/-0.016 χ^2/NDF:933979.3/24

Right Out: 171.309+/-0.033 χ^2/NDF: 3945825.8/29

Left In: 97.168+/-0.016 χ^2/NDF:674586.0/22

Left: 97.034+/-0.011 χ^2/NDF: 1608696.0/47

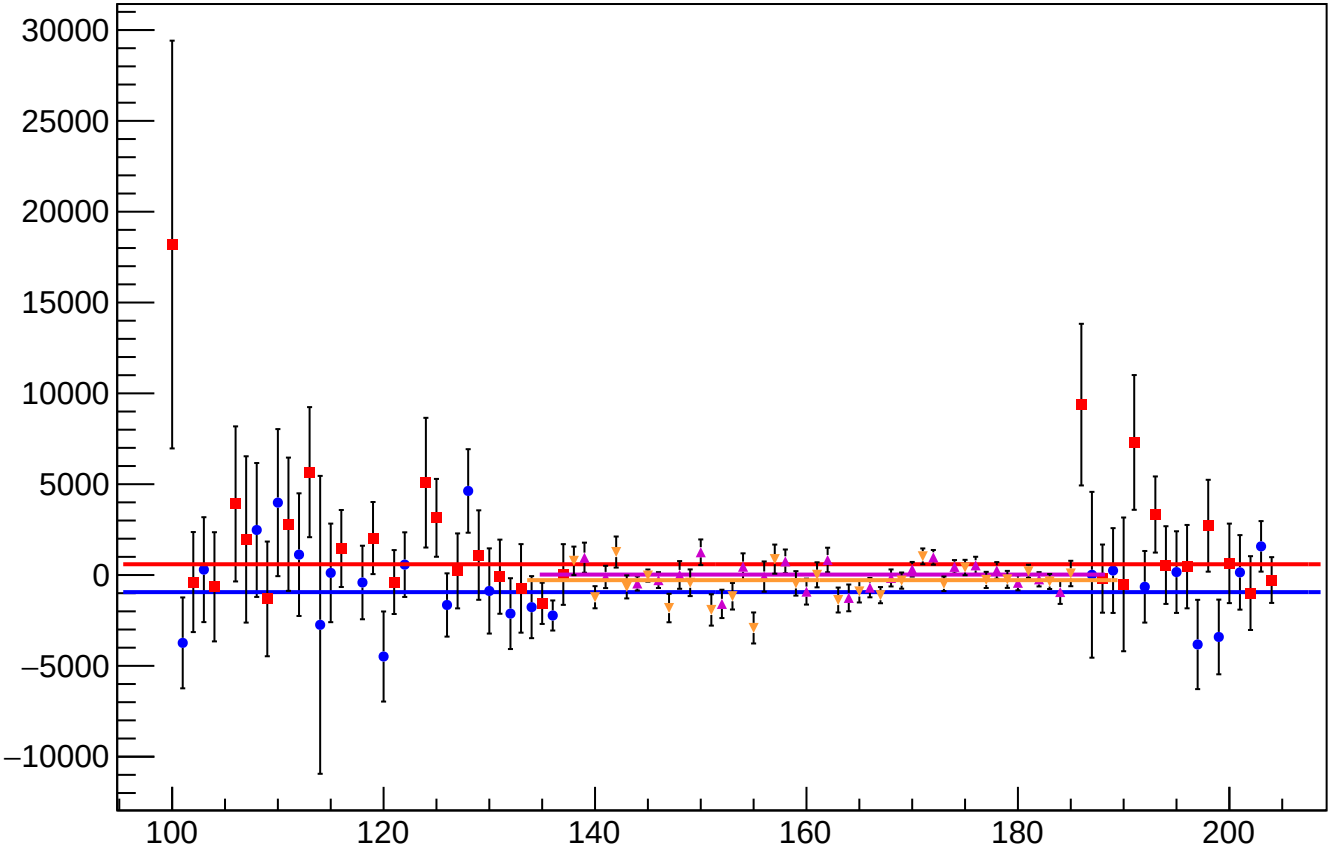
Right: 167.386+/-0.024 χ^2/NDF: 6758505.6/53

In: 109.551+/-0.015 χ^2/NDF:6524079.9/46

Out: 110.545+/-0.014 χ^2/NDF:8919073.8/54

All: 110.062+/-0.010 χ^2/NDF: 15445490.9/10

asym_sam_26_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -941.353+/-408.756 χ^2/NDF: 23.2/23

Left Out: -282.421+/-106.394 χ^2/NDF:50.4/24

Right Out: 593.178+/-408.272 χ^2/NDF: 25.3/29

Left In: 24.626+/-108.884 χ^2/NDF:32.9/22

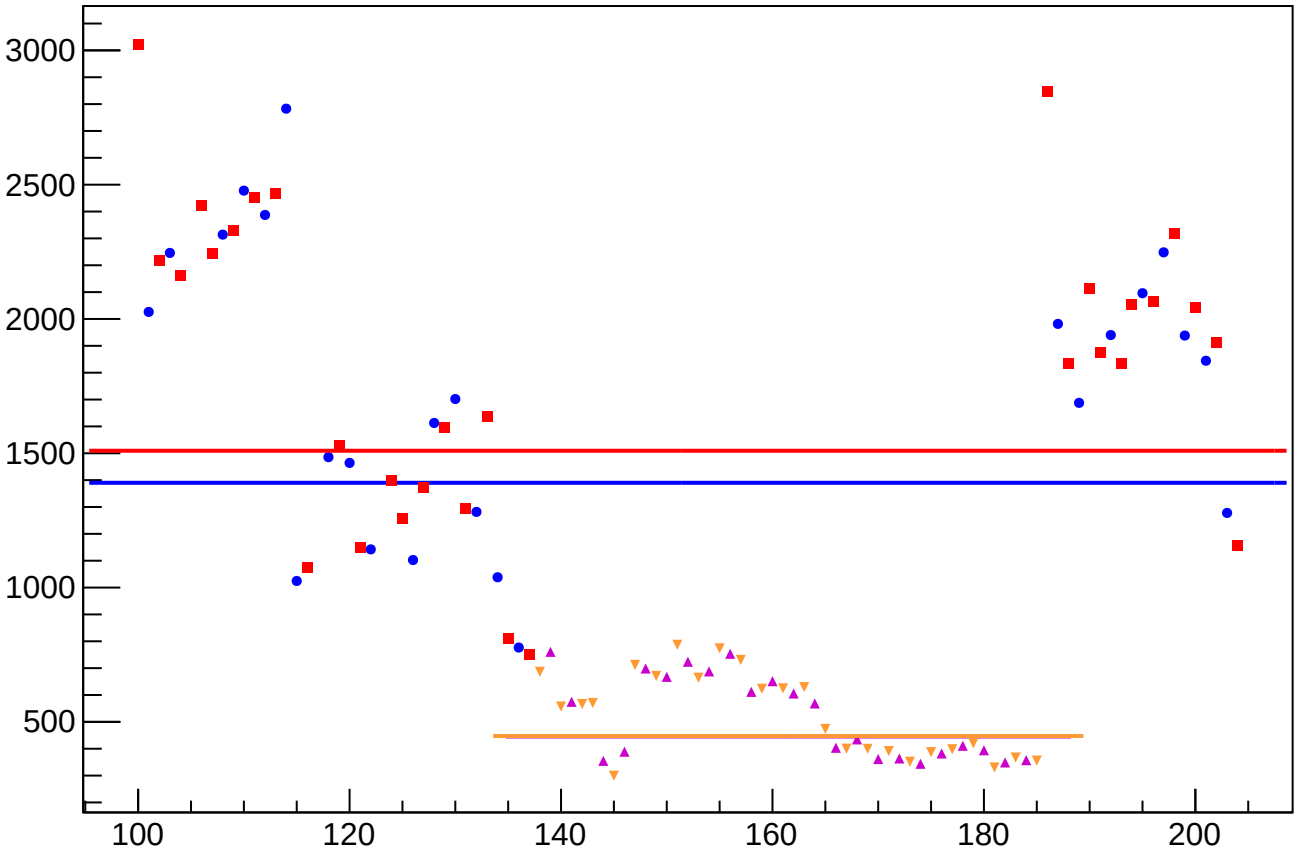
Left: -132.448+/-76.097 χ^2/NDF: 87.4/47

Right: -173.178+/-288.863 χ^2/NDF: 55.6/53

In: -39.376+/-105.215 χ^2/NDF:61.3/46

Out: -226.740+/-102.956 χ^2/NDF:80.0/54

All: -135.091+/-73.586 χ^2/NDF: 143.0/101



Right In: 1390.117+/-0.289 χ^2/NDF: 3102799.1/23

Left Out: 447.385+/-0.075 χ^2/NDF:3197793.9/24

Right Out: 1509.423+/-0.289 χ^2/NDF: 3388498.2/29

Left In: 445.491+/-0.077 χ^2/NDF:2713303.9/22

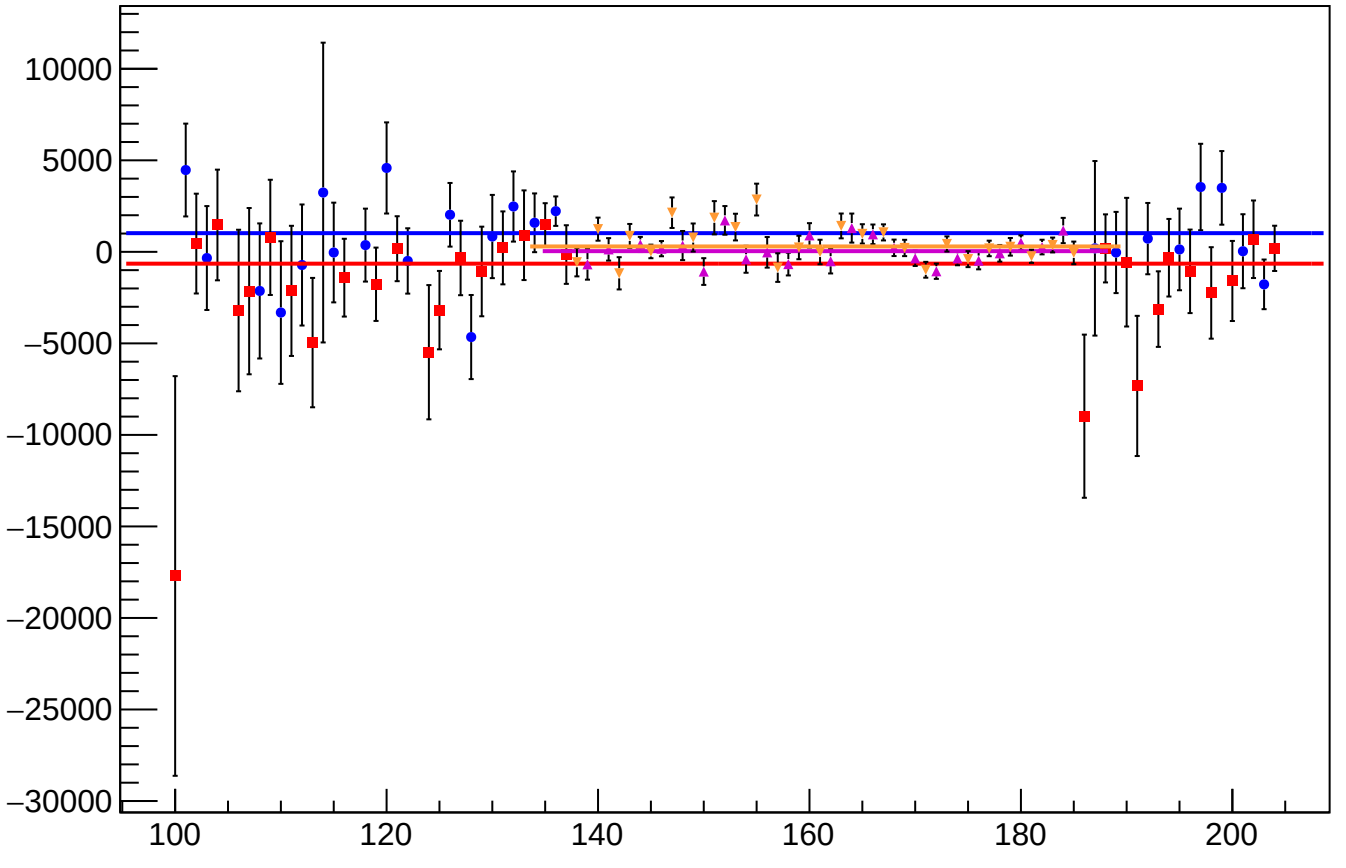
Left: 446.460+/-0.054 χ^2/NDF: 5911407.5/47

Right: 1449.841+/-0.204 χ^2/NDF: 6576589.3/53

In: 508.078+/-0.074 χ^2/NDF:15789656.0/46

Out: 514.922+/-0.073 χ^2/NDF:19259209.3/54

All: 511.574+/-0.052 χ^2/NDF: 35053188.8/10



Right In: 1021.096+/-400.570 χ^2/NDF: 24.4/23

Left Out: 295.006+/-106.810 χ^2/NDF:50.5/24

Right Out: -645.758+/-407.591 χ^2/NDF: 22.9/29

Left In: 38.107+/-109.315 χ^2/NDF:32.9/22

Left: 169.535+/-76.396 χ^2/NDF: 86.3/47

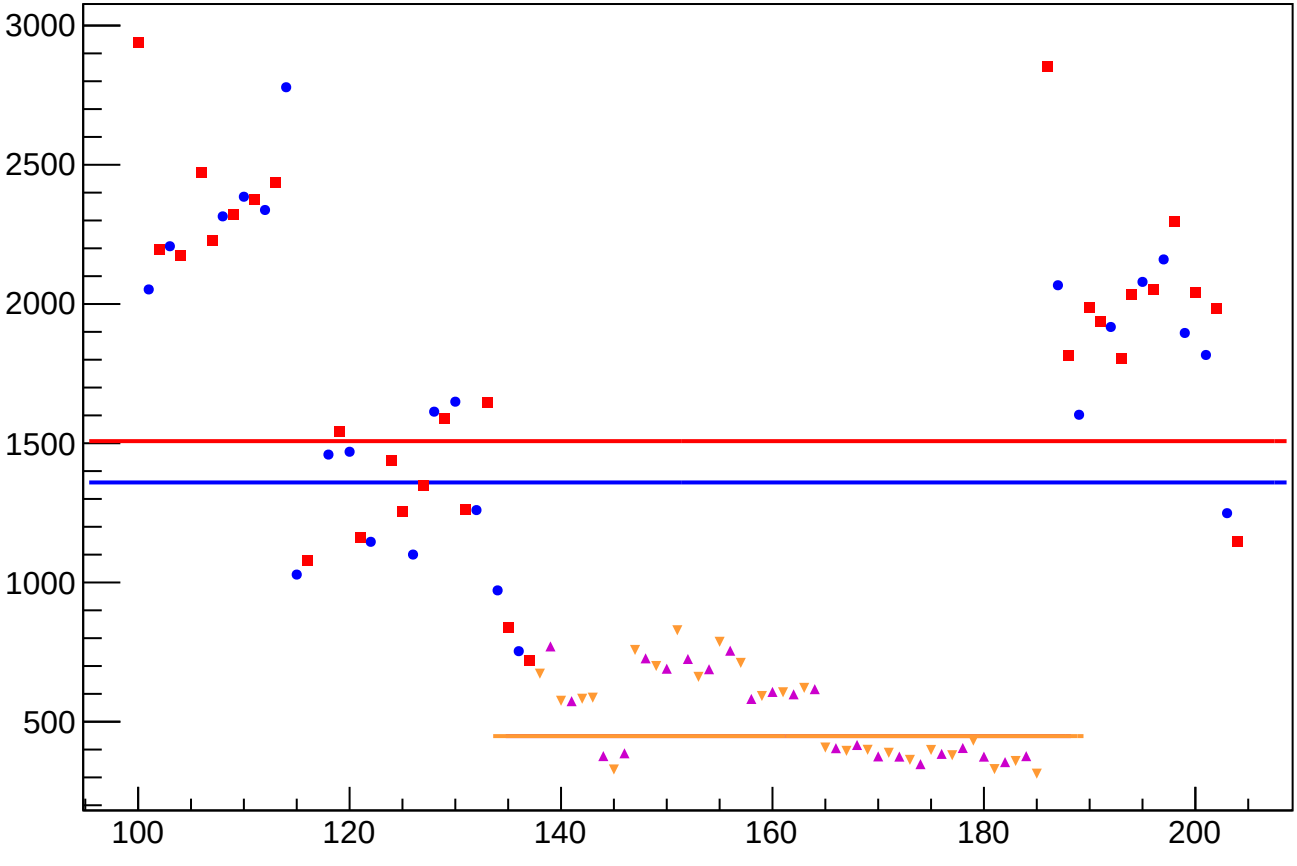
Right: 202.149+/-285.696 χ^2/NDF: 55.8/53

In: 106.240+/-105.459 χ^2/NDF:62.9/46

Out: 234.555+/-103.321 χ^2/NDF:78.4/54

All: 171.711+/-73.803 χ^2/NDF: 142.1/101

asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 1359.201+/-0.283 χ^2/NDF: 3189686.3/23

Left Out: 448.278+/-0.076 χ^2/NDF:3156909.8/24

Right Out: 1507.570+/-0.288 χ^2/NDF: 3336210.5/29

Left In: 448.397+/-0.077 χ^2/NDF:2620759.6/22

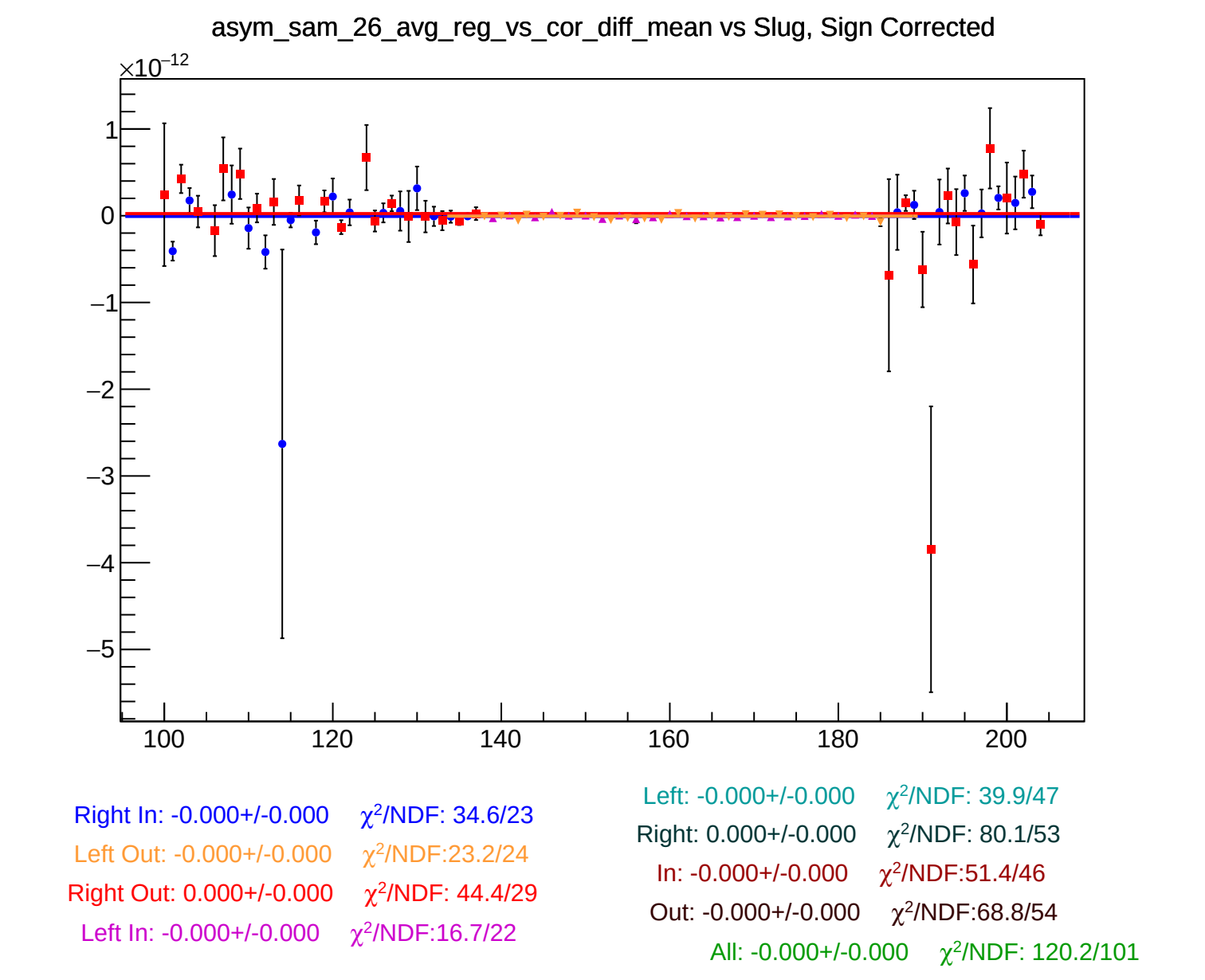
Left: 448.336+/-0.054 χ^2/NDF: 5777670.6/47

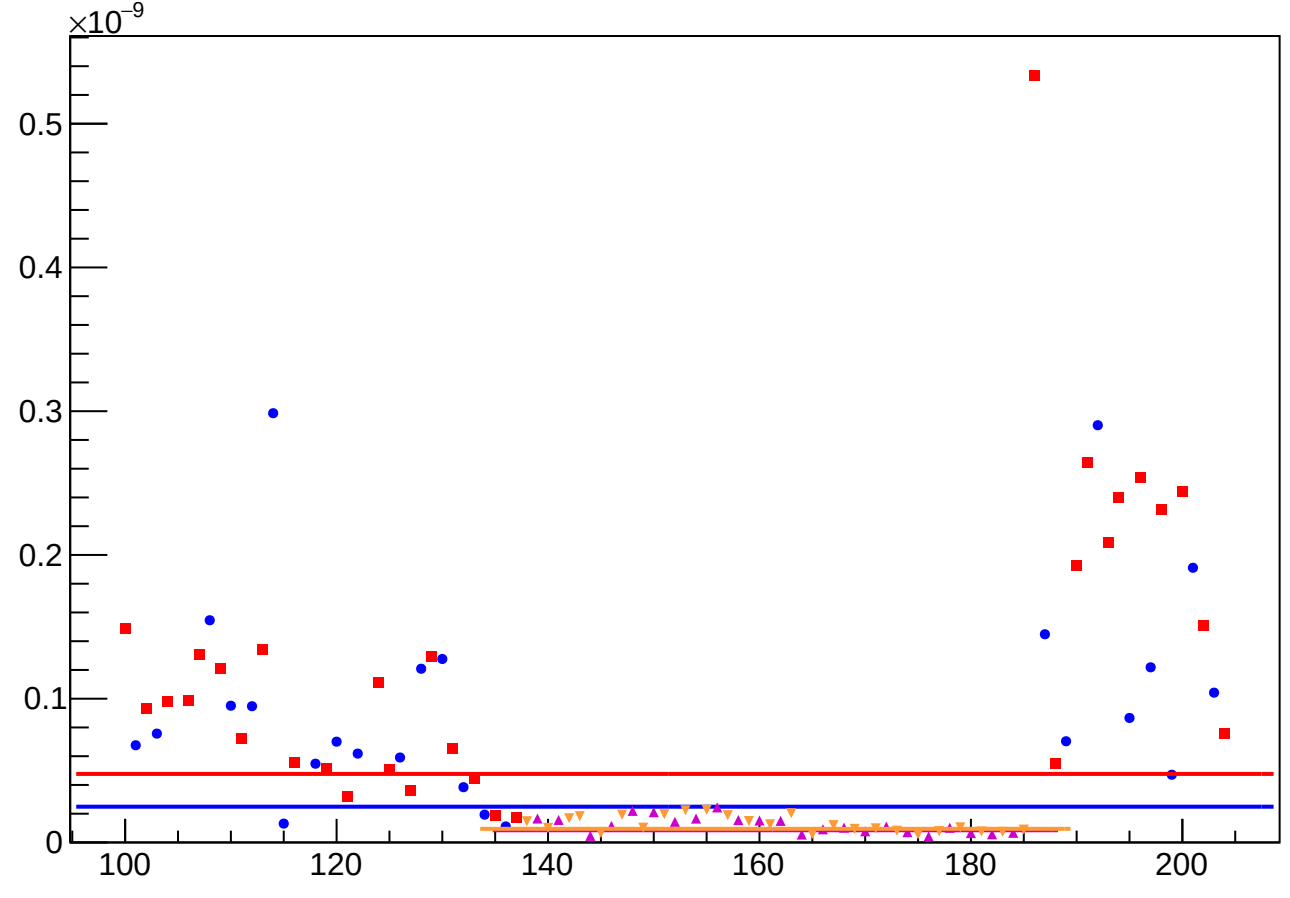
Right: 1432.097+/-0.202 χ^2/NDF: 6660705.9/53

In: 511.527+/-0.075 χ^2/NDF:15433794.0/46

Out: 516.346+/-0.073 χ^2/NDF:19133708.2/54

All: 513.986+/-0.052 χ^2/NDF: 34569633.5/10


asym_sam_26_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1
0
−1
−2
−3
−4
−5
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 34.6/23
Left Out: -0.000+/-0.000 χ²/NDF:23.2/24
Right Out: 0.000+/-0.000 χ²/NDF: 44.4/29
Left In: -0.000+/-0.000 χ²/NDF:16.7/22
Left: -0.000+/-0.000 χ²/NDF: 39.9/47
Right: 0.000+/-0.000 χ²/NDF: 80.1/53
In: -0.000+/-0.000 χ²/NDF:51.4/46
Out: -0.000+/-0.000 χ²/NDF:68.8/54
All: -0.000+/-0.000 χ²/NDF: 120.2/101



Right In: 0.000+/-0.000 χ^2/NDF: 6226172.5/23

Left Out: 0.000+/-0.000 χ^2/NDF:2422094.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5542429.4/29

Left In: 0.000+/-0.000 χ^2/NDF:2739291.5/22

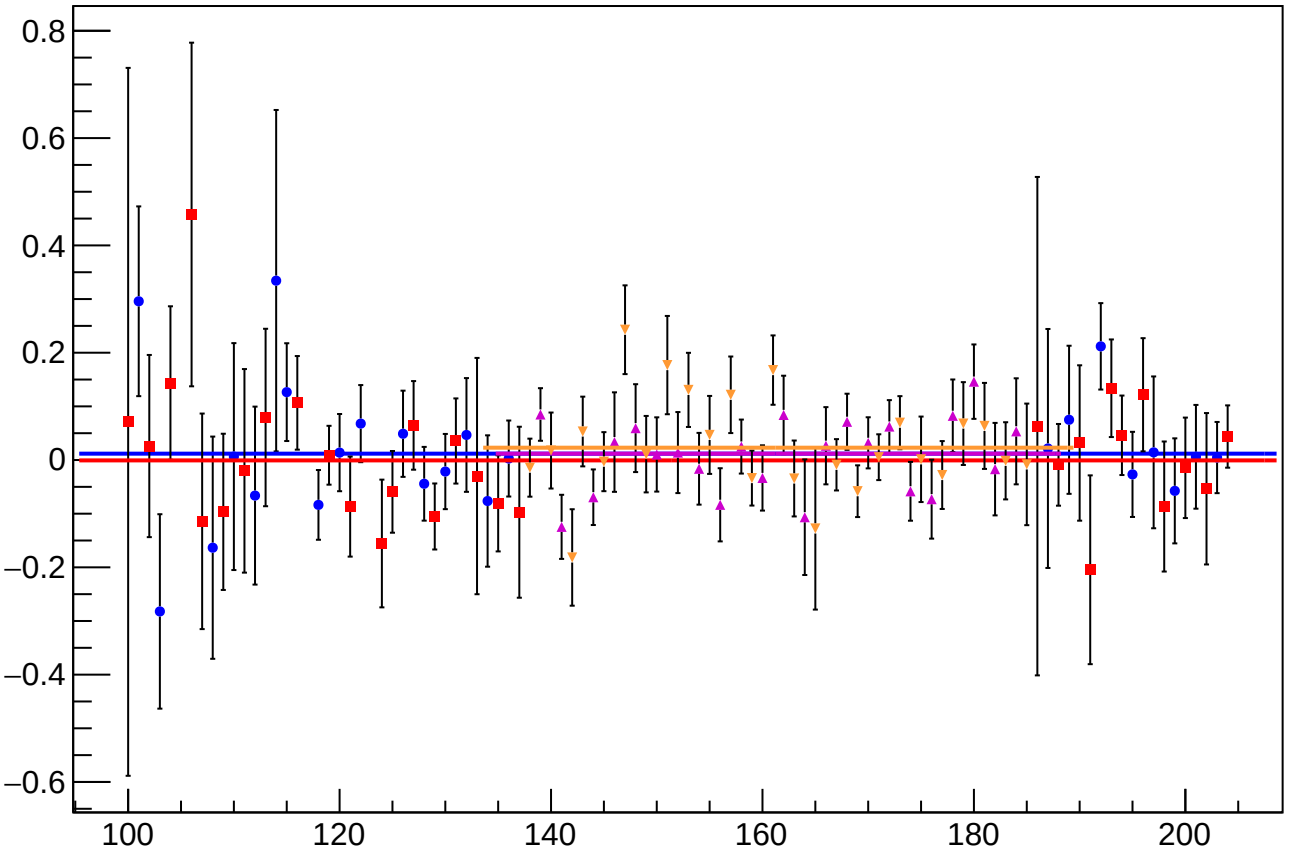
Left: 0.000+/-0.000 χ^2/NDF: 5231856.7/47

Right: 0.000+/-0.000 χ^2/NDF: 12870192.1/53

In: 0.000+/-0.000 χ^2/NDF:10679321.1/46

Out: 0.000+/-0.000 χ^2/NDF:12386470.0/54

All: 0.000+/-0.000 χ^2/NDF: 23159049.7/101



Right In: 0.012+/-0.019 χ^2/NDF: 20.4/23

Left Out: 0.023+/-0.013 χ^2/NDF:34.2/24

Right Out: -0.001+/-0.018 χ^2/NDF: 20.3/29

Left In: 0.012+/-0.013 χ^2/NDF:25.9/22

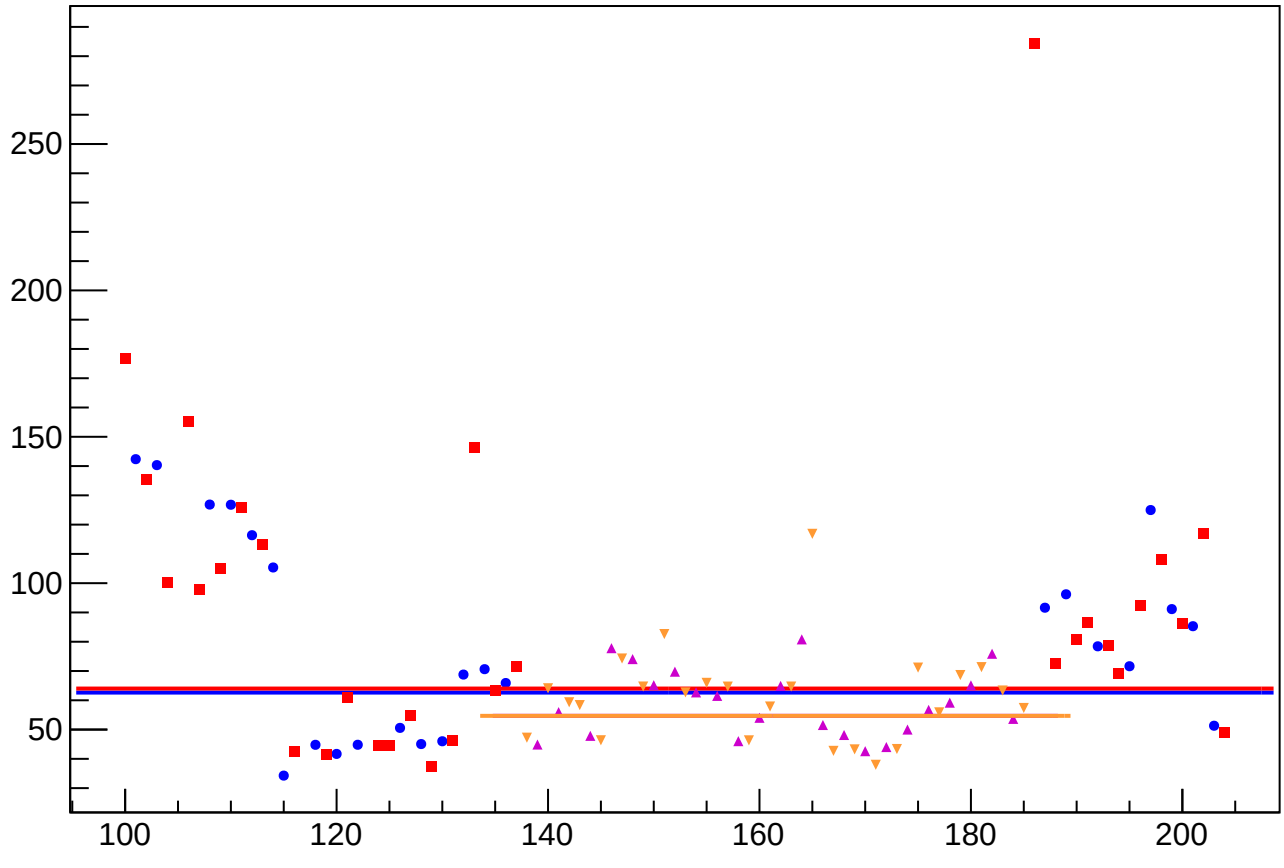
Left: 0.018+/-0.009 χ^2/NDF: 60.4/47

Right: 0.005+/-0.013 χ^2/NDF: 40.9/53

In: 0.012+/-0.011 χ^2/NDF:46.3/46

Out: 0.015+/-0.011 χ^2/NDF:55.6/54

All: 0.014+/-0.008 χ^2/NDF: 101.9/101



Right In: 62.634+/-0.014 χ^2/NDF: 3323101.8/23

Left Out: 54.686+/-0.009 χ^2/NDF:1936559.5/24

Right Out: 64.008+/-0.013 χ^2/NDF: 4278341.0/29

Left In: 54.688+/-0.009 χ^2/NDF:1190787.0/22

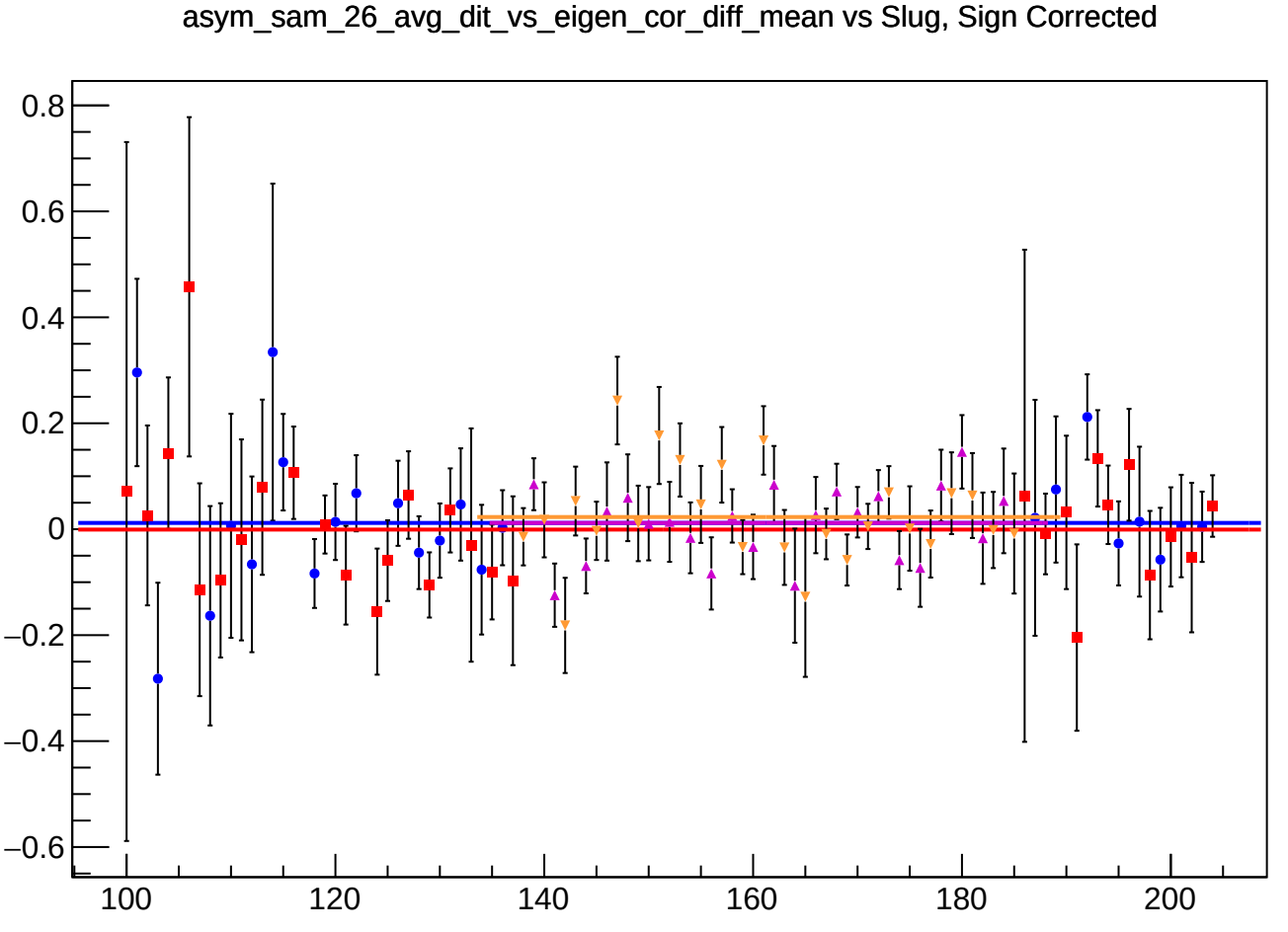
Left: 54.687+/-0.007 χ^2/NDF: 3127346.5/47

Right: 63.356+/-0.009 χ^2/NDF: 7606791.6/53

In: 57.244+/-0.008 χ^2/NDF:4744972.6/46

Out: 57.791+/-0.007 χ^2/NDF:6561157.5/54

All: 57.527+/-0.005 χ^2/NDF: 11308721.6/101



Right In: 0.012+/-0.019 χ^2/NDF: 20.4/23

Left Out: 0.023+/-0.013 χ^2/NDF:34.2/24

Right Out: -0.001+/-0.018 χ^2/NDF: 20.3/29

Left In: 0.012+/-0.013 χ^2/NDF:25.9/22

Left: 0.018+/-0.009 χ^2/NDF: 60.4/47

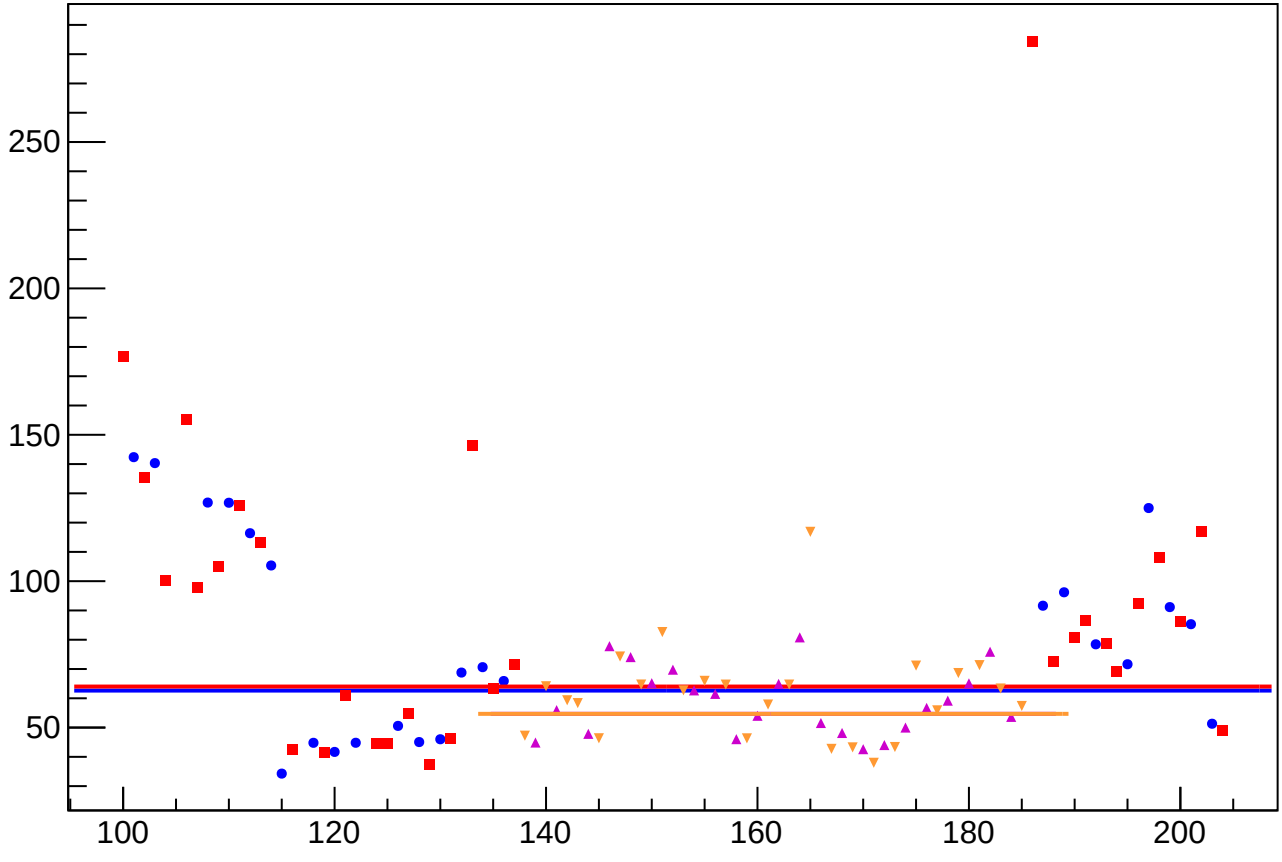
Right: 0.005+/-0.013 χ^2/NDF: 40.9/53

In: 0.012+/-0.011 χ^2/NDF:46.3/46

Out: 0.015+/-0.011 χ^2/NDF:55.6/54

All: 0.014+/-0.008 χ^2/NDF: 101.9/101

asym_sam_26_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 62.634+/-0.014 χ^2/NDF: 3323101.8/23

Left Out: 54.686+/-0.009 χ^2/NDF:1936559.5/24

Right Out: 64.008+/-0.013 χ^2/NDF: 4278341.0/29

Left In: 54.688+/-0.009 χ^2/NDF:1190787.0/22

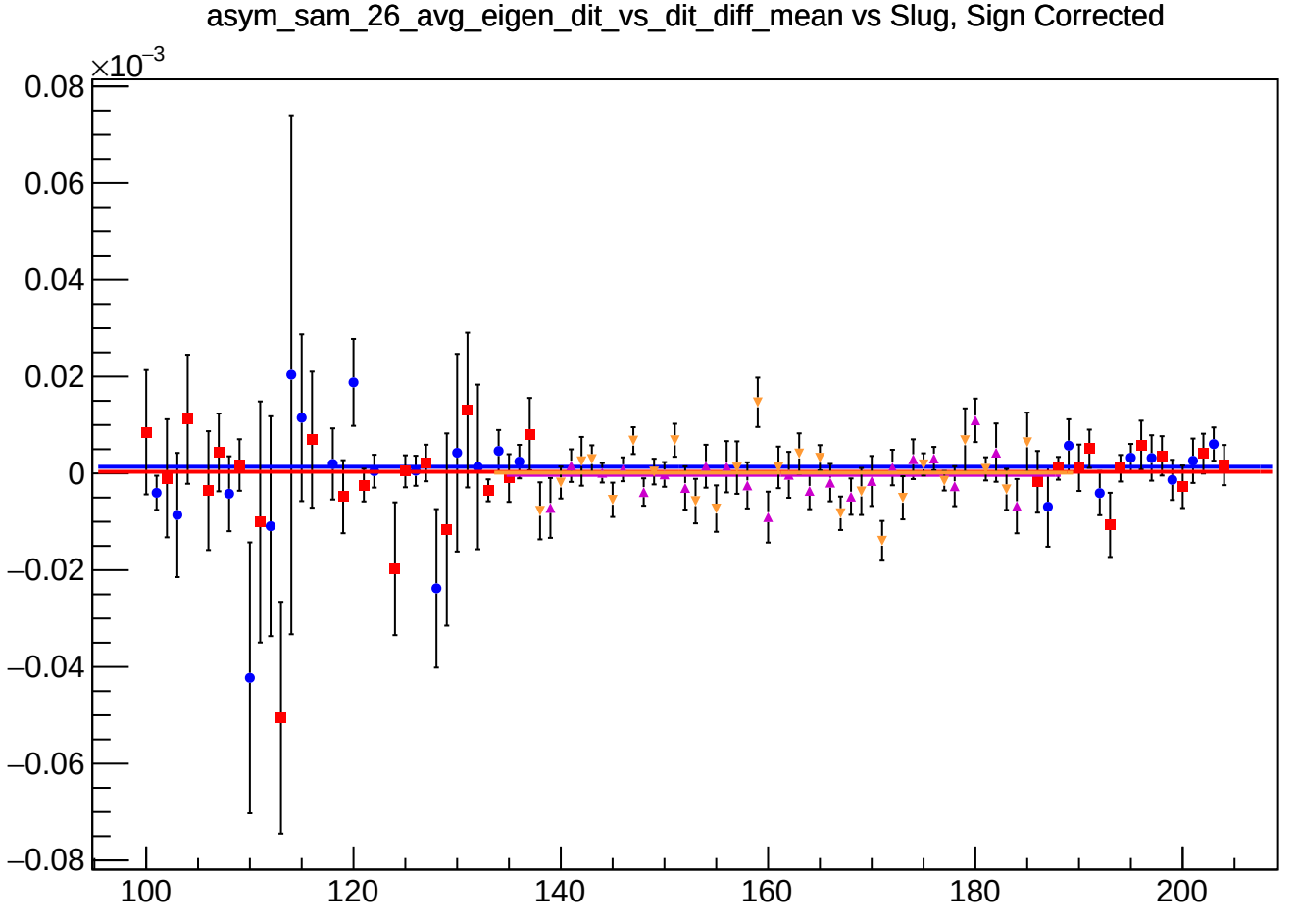
Left: 54.687+/-0.007 χ^2/NDF: 3127346.5/47

Right: 63.356+/-0.009 χ^2/NDF: 7606791.6/53

In: 57.244+/-0.008 χ^2/NDF:4744972.6/46

Out: 57.791+/-0.007 χ^2/NDF:6561157.5/54

All: 57.527+/-0.005 χ^2/NDF: 11308721.6/101



Right In: 0.000+/-0.000 χ^2/NDF: 19.6/23

Left Out: 0.000+/-0.000 χ^2/NDF:53.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 22.7/29

Left In: -0.000+/-0.000 χ^2/NDF:20.7/22

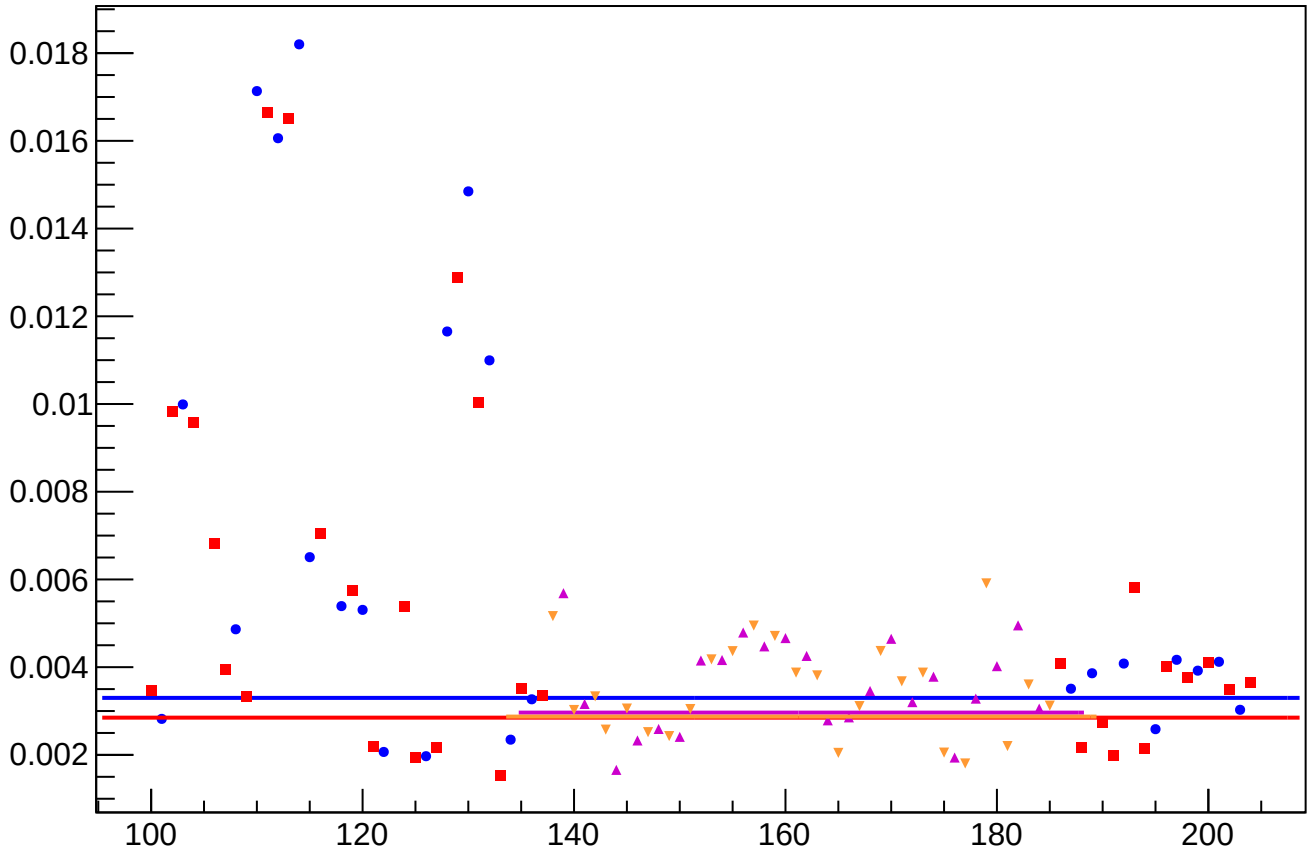
Left: -0.000+/-0.000 χ^2/NDF: 74.6/47

Right: 0.000+/-0.000 χ^2/NDF: 42.9/53

In: 0.000+/-0.000 χ^2/NDF:42.0/46

Out: 0.000+/-0.000 χ^2/NDF:76.5/54

All: 0.000+/-0.000 χ^2/NDF: 118.5/101



Right In: 0.003+/-0.000 χ^2/NDF: 4959275.0/23

Left Out: 0.003+/-0.000 χ^2/NDF:3602368.5/24

Right Out: 0.003+/-0.000 χ^2/NDF: 6528109.4/29

Left In: 0.003+/-0.000 χ^2/NDF:3619016.3/22

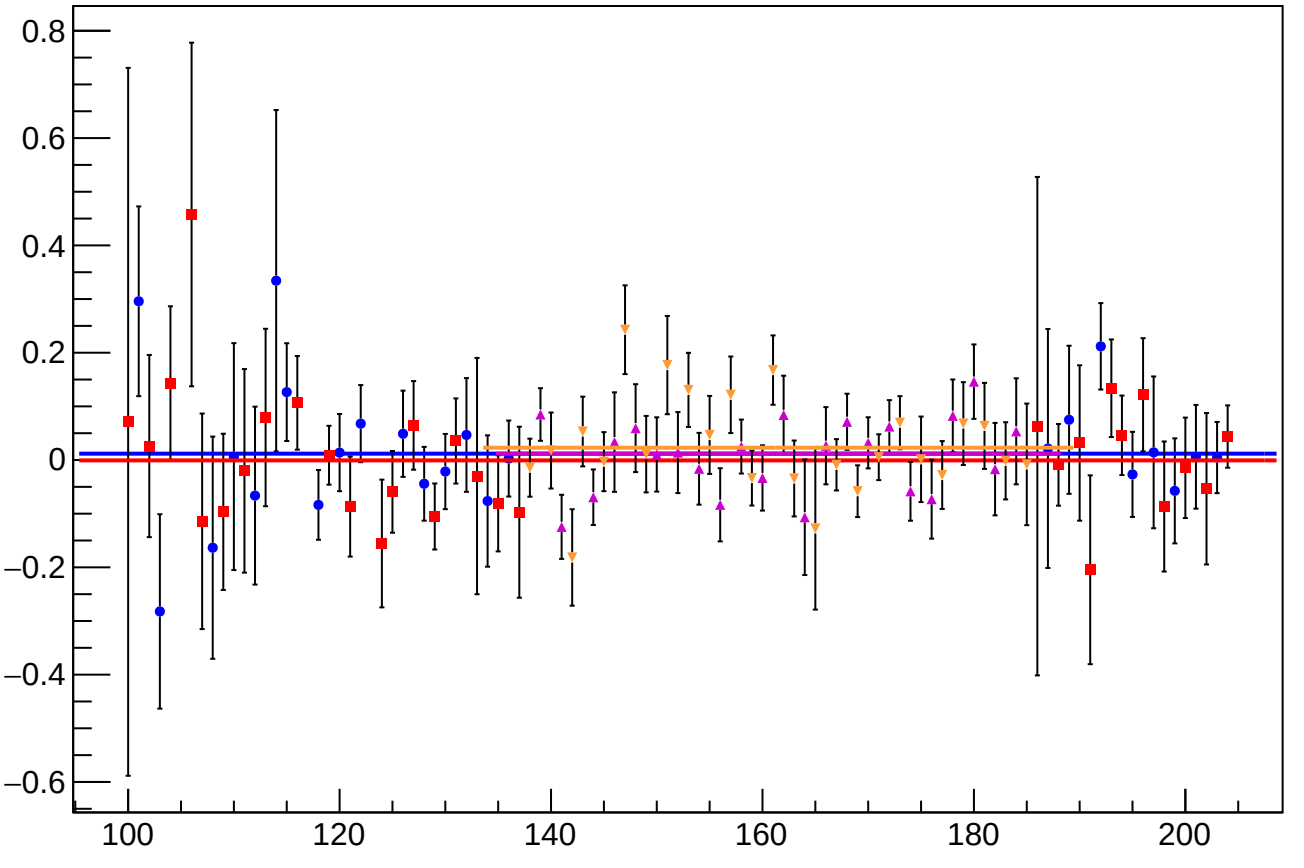
Left: 0.003+/-0.000 χ^2/NDF: 7237301.1/47

Right: 0.003+/-0.000 χ^2/NDF: 11711472.0/53

In: 0.003+/-0.000 χ^2/NDF:8716297.4/46

Out: 0.003+/-0.000 χ^2/NDF:10131411.3/54

All: 0.003+/-0.000 χ^2/NDF: 18988962.6/101



Right In: 0.012+/-0.019 χ^2/NDF: 20.4/23

Left Out: 0.023+/-0.013 χ^2/NDF:34.2/24

Right Out: -0.001+/-0.018 χ^2/NDF: 20.3/29

Left In: 0.012+/-0.013 χ^2/NDF:25.9/22

Left: 0.018+/-0.009 χ^2/NDF: 60.4/47

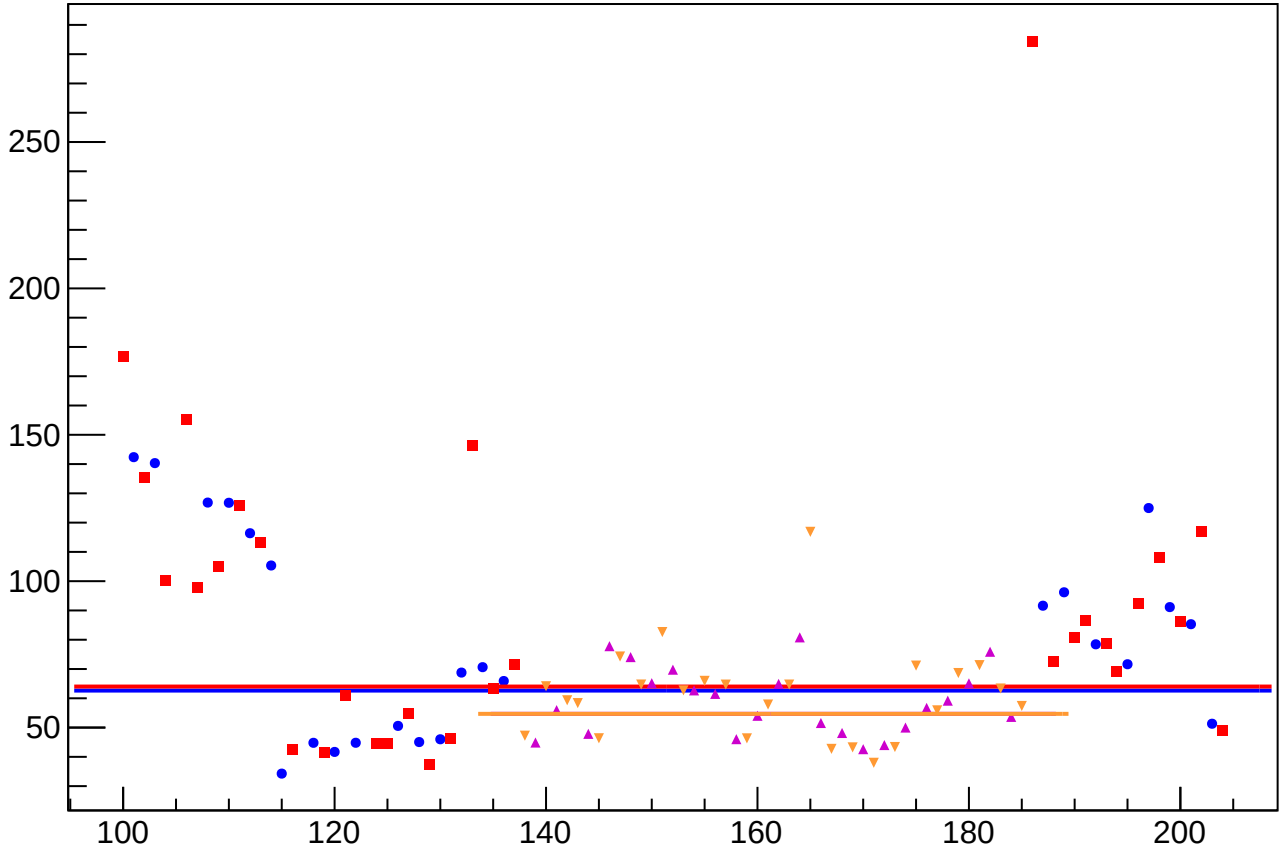
Right: 0.005+/-0.013 χ^2/NDF: 40.9/53

In: 0.012+/-0.011 χ^2/NDF:46.3/46

Out: 0.015+/-0.011 χ^2/NDF:55.6/54

All: 0.014+/-0.008 χ^2/NDF: 101.9/101

asym_sam_26_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 62.634+/-0.014 χ^2/NDF: 3323078.4/23

Left Out: 54.686+/-0.009 χ^2/NDF:1936555.1/24

Right Out: 64.008+/-0.013 χ^2/NDF: 4278348.8/29

Left In: 54.689+/-0.009 χ^2/NDF:1190755.4/22

Left: 54.688+/-0.007 χ^2/NDF: 3127310.5/47

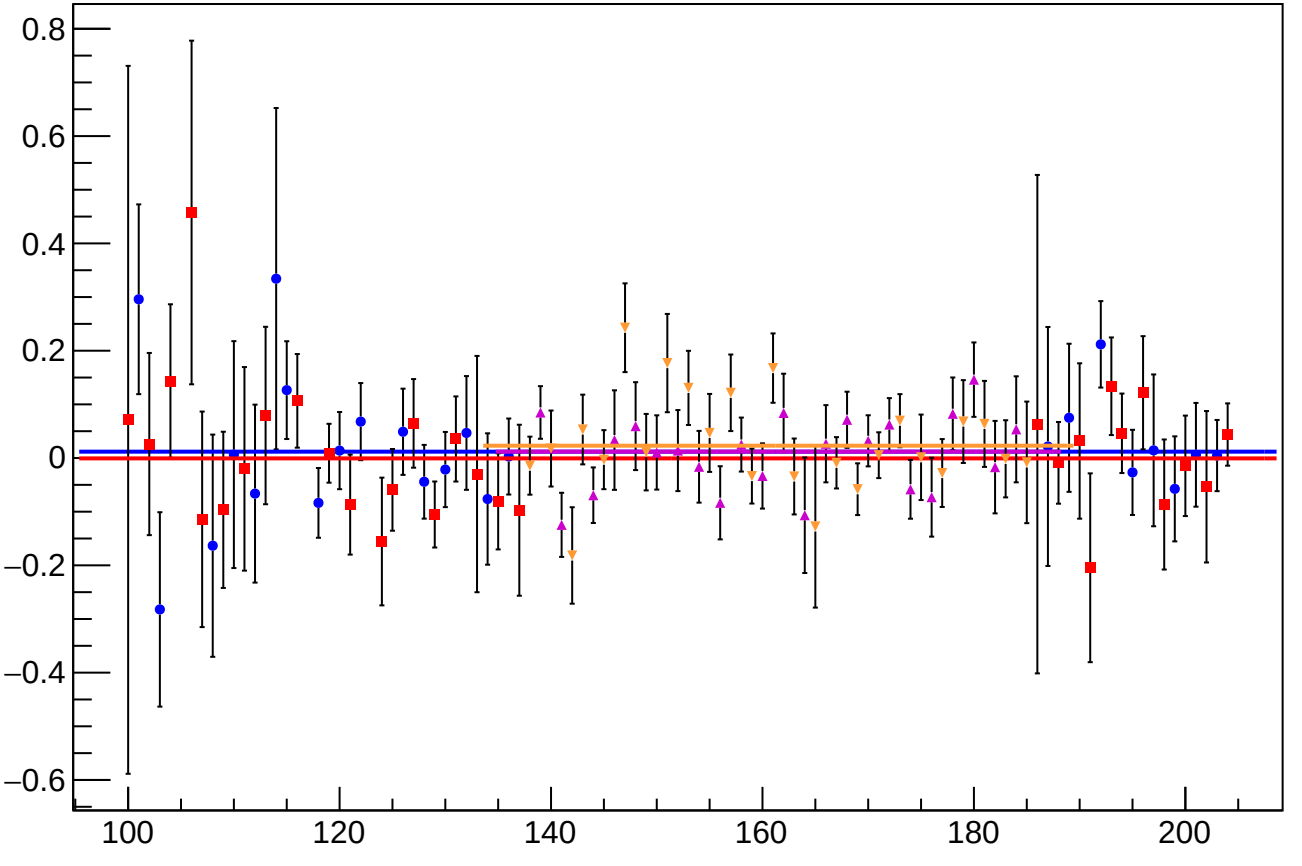
Right: 63.356+/-0.009 χ^2/NDF: 7606775.0/53

In: 57.245+/-0.008 χ^2/NDF:4744873.3/46

Out: 57.791+/-0.007 χ^2/NDF:6561103.4/54

All: 57.527+/-0.005 χ^2/NDF: 11308566.9/101

asym_sam_26_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.012+/-0.019 χ^2/NDF: 20.4/23

Left Out: 0.023+/-0.013 χ^2/NDF:34.2/24

Right Out: -0.001+/-0.018 χ^2/NDF: 20.3/29

Left In: 0.012+/-0.013 χ^2/NDF:25.9/22

Left: 0.018+/-0.009 χ^2/NDF: 60.4/47

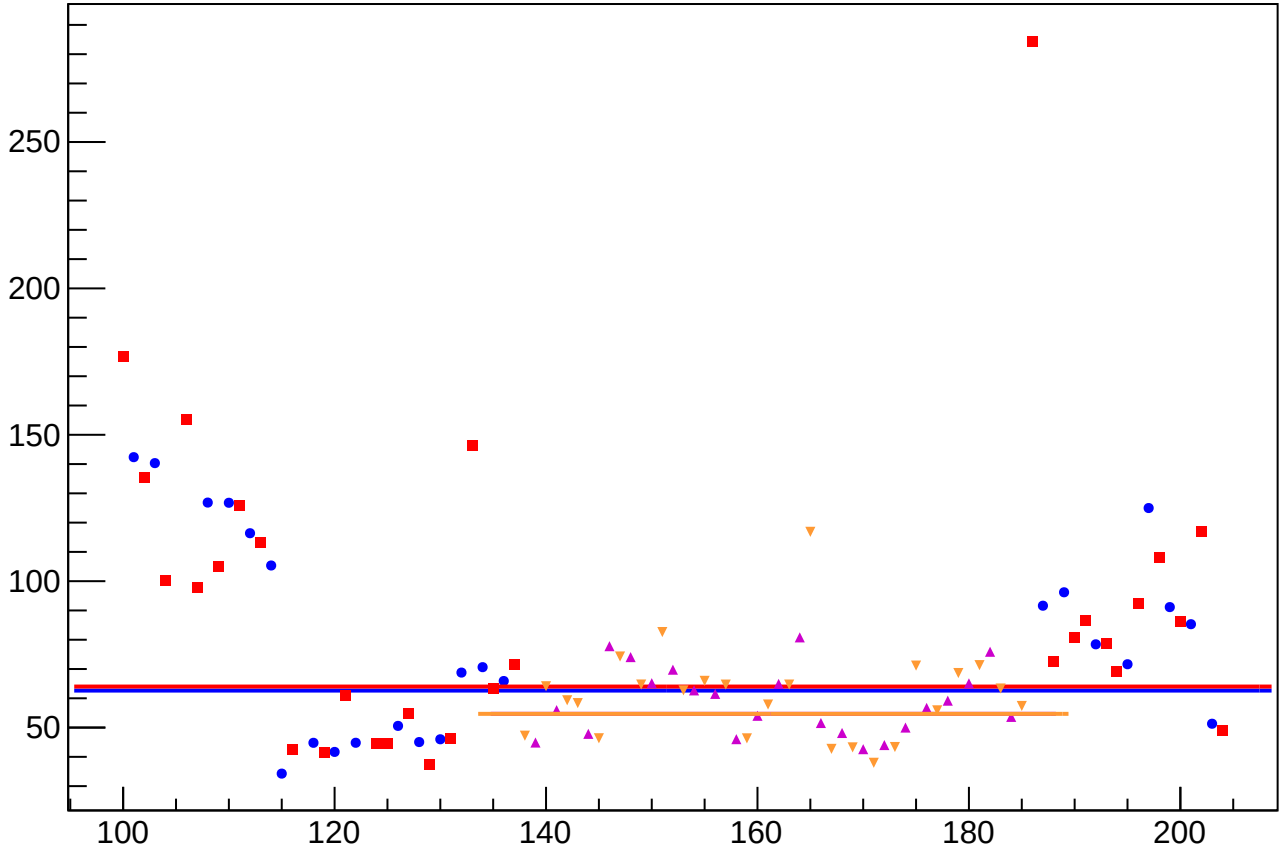
Right: 0.005+/-0.013 χ^2/NDF: 40.9/53

In: 0.012+/-0.011 χ^2/NDF:46.3/46

Out: 0.015+/-0.011 χ^2/NDF:55.6/54

All: 0.014+/-0.008 χ^2/NDF: 101.9/101

asym_sam_26_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 62.634+/-0.014 χ^2/NDF: 3323078.4/23

Left Out: 54.686+/-0.009 χ^2/NDF:1936555.1/24

Right Out: 64.008+/-0.013 χ^2/NDF: 4278348.8/29

Left In: 54.689+/-0.009 χ^2/NDF:1190755.4/22

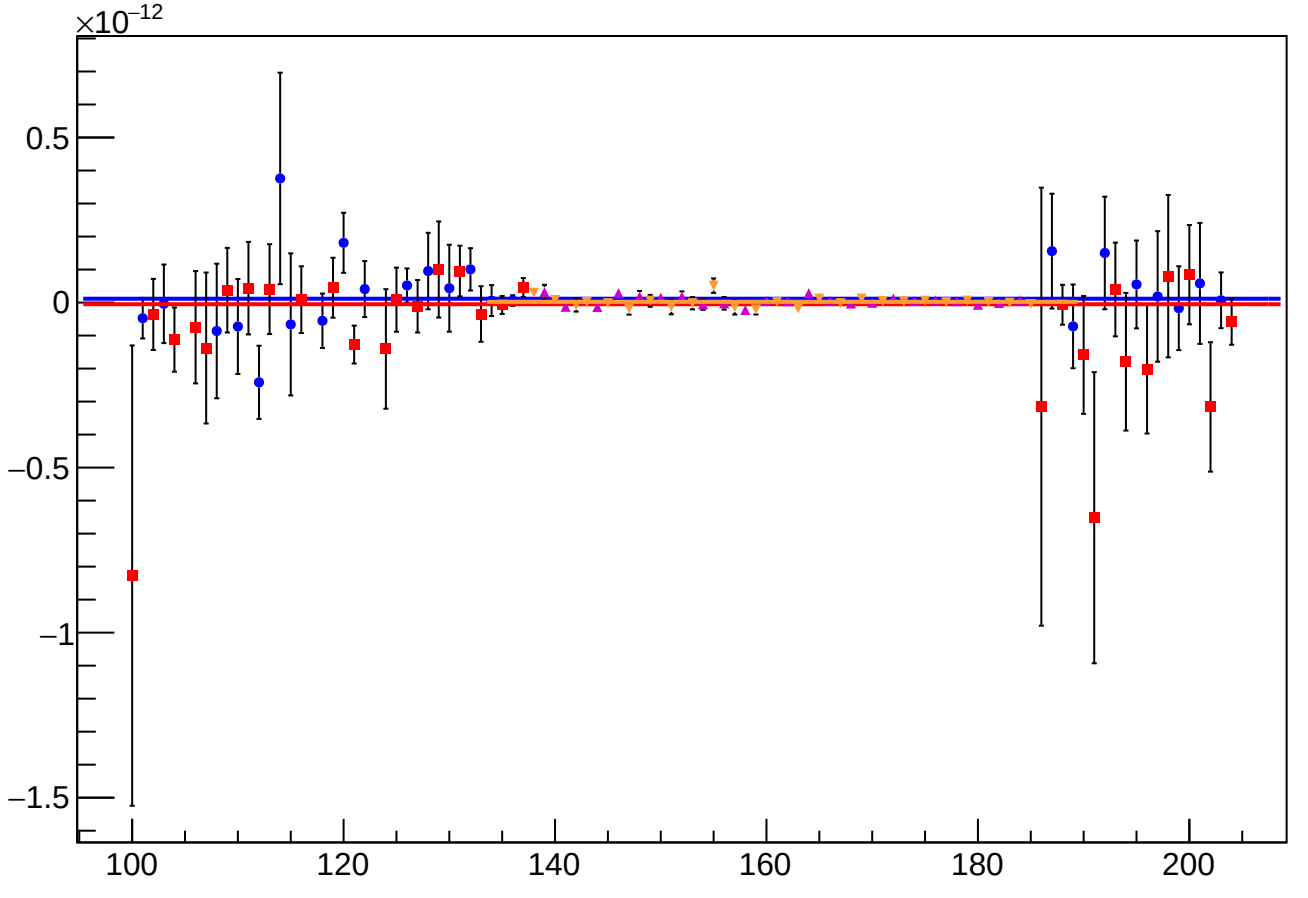
Left: 54.688+/-0.007 χ^2/NDF: 3127310.5/47

Right: 63.356+/-0.009 χ^2/NDF: 7606775.0/53

In: 57.245+/-0.008 χ^2/NDF:4744873.3/46

Out: 57.791+/-0.007 χ^2/NDF:6561103.4/54

All: 57.527+/-0.005 χ^2/NDF: 11308566.9/101



Right In: 0.000+/-0.000 χ^2/NDF: 17.7/23

Left Out: 0.000+/-0.000 χ^2/NDF:20.7/24

Right Out: -0.000+/-0.000 χ^2/NDF: 23.0/29

Left In: 0.000+/-0.000 χ^2/NDF:33.1/22

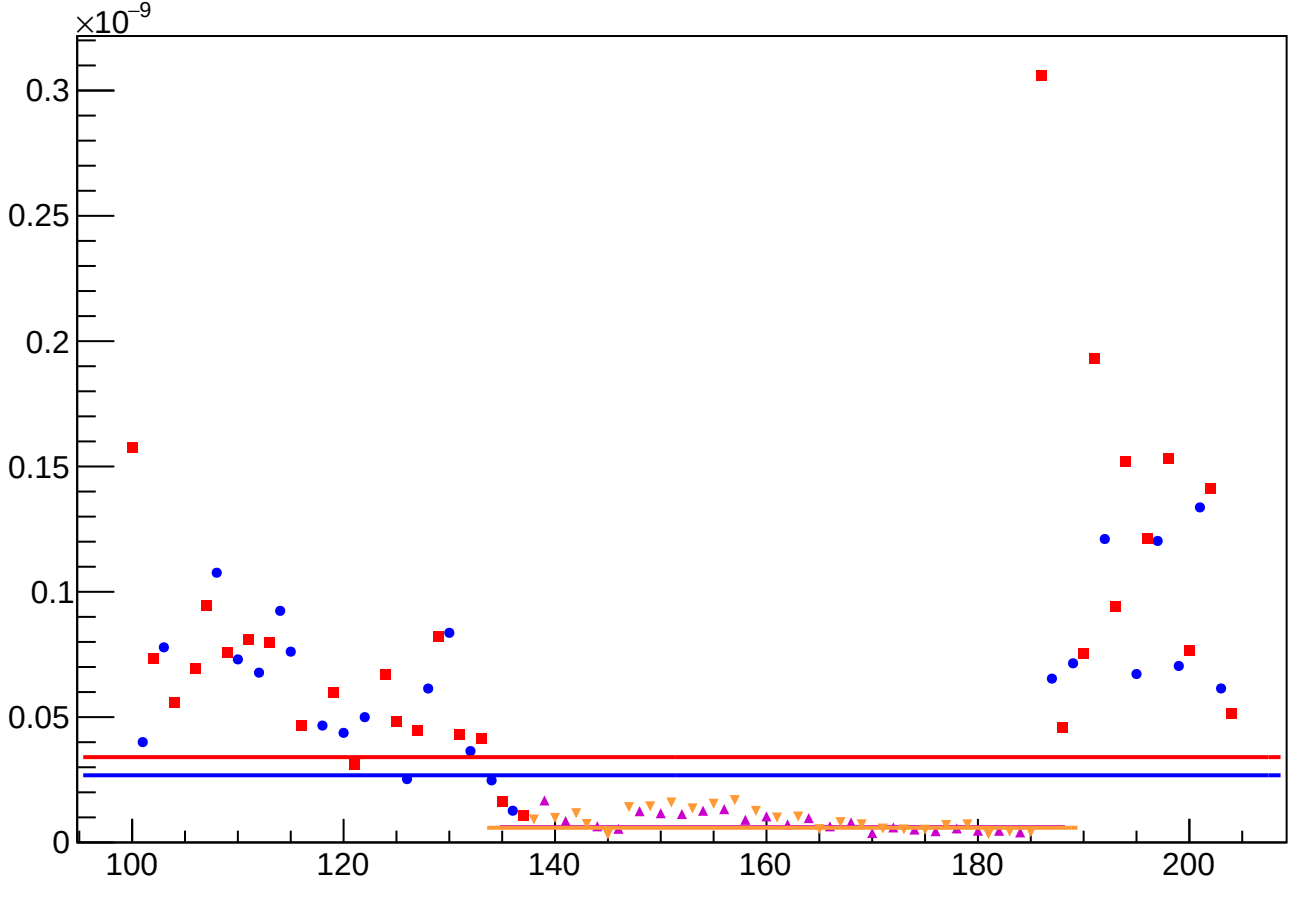
Left: 0.000+/-0.000 χ^2/NDF: 53.9/47

Right: 0.000+/-0.000 χ^2/NDF: 41.4/53

In: 0.000+/-0.000 χ^2/NDF:51.2/46

Out: 0.000+/-0.000 χ^2/NDF:43.9/54

All: 0.000+/-0.000 χ^2/NDF: 95.4/101



Right In: 0.000+/-0.000 χ^2/NDF: 6747189.5/23

Left Out: 0.000+/-0.000 χ^2/NDF:5538819.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7632007.8/29

Left In: 0.000+/-0.000 χ^2/NDF:3304370.7/22

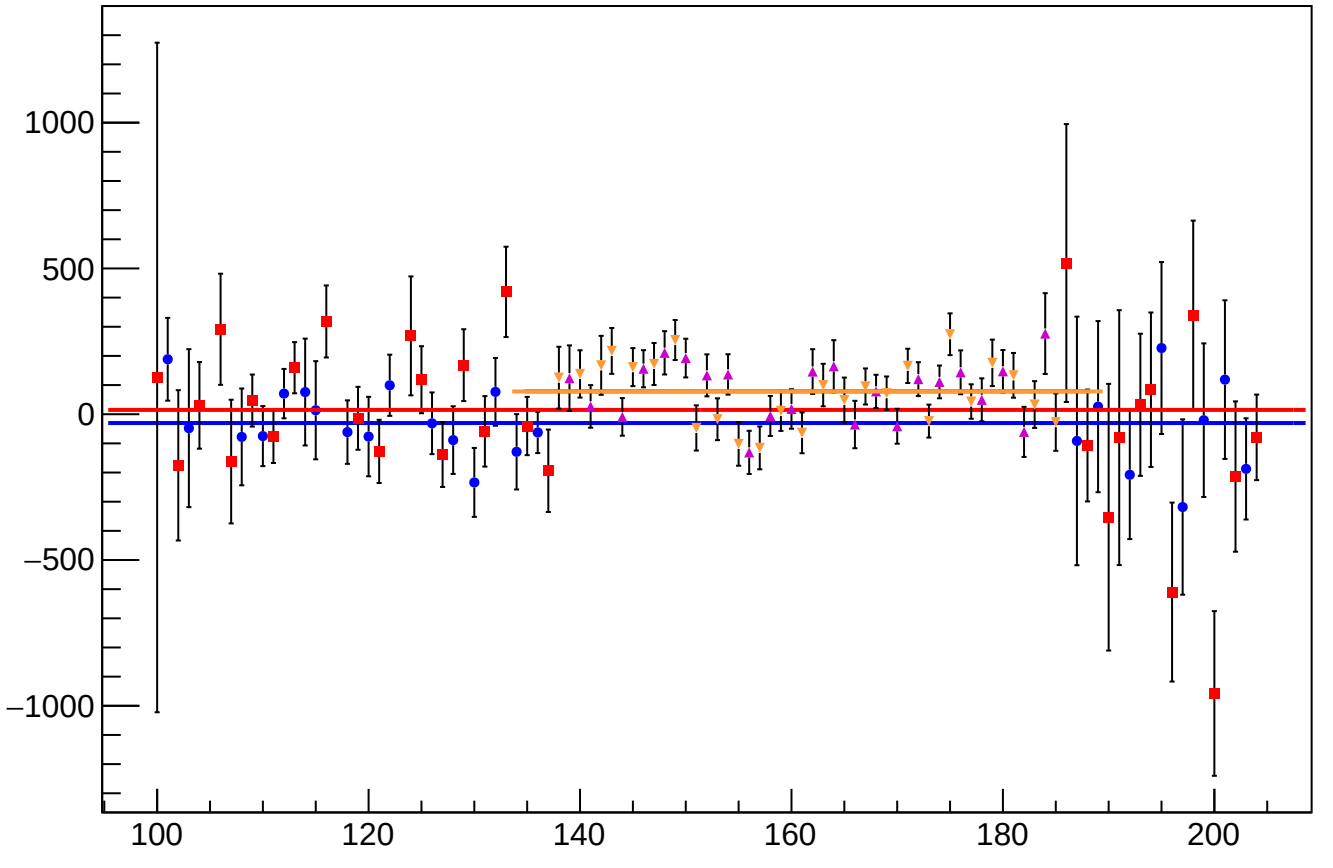
Left: 0.000+/-0.000 χ^2/NDF: 8861543.6/47

Right: 0.000+/-0.000 χ^2/NDF: 14669109.1/53

In: 0.000+/-0.000 χ^2/NDF:15397114.8/46

Out: 0.000+/-0.000 χ^2/NDF:20773673.5/54

All: 0.000+/-0.000 χ^2/NDF: 36192739.6/101



Right In: -30.170+/-27.549 χ^2/NDF: 14.6/23

Left Out: 78.159+/-14.326 χ^2/NDF:53.9/24

Right Out: 14.836+/-26.707 χ^2/NDF: 51.1/29

Left In: 78.506+/-14.811 χ^2/NDF:36.7/22

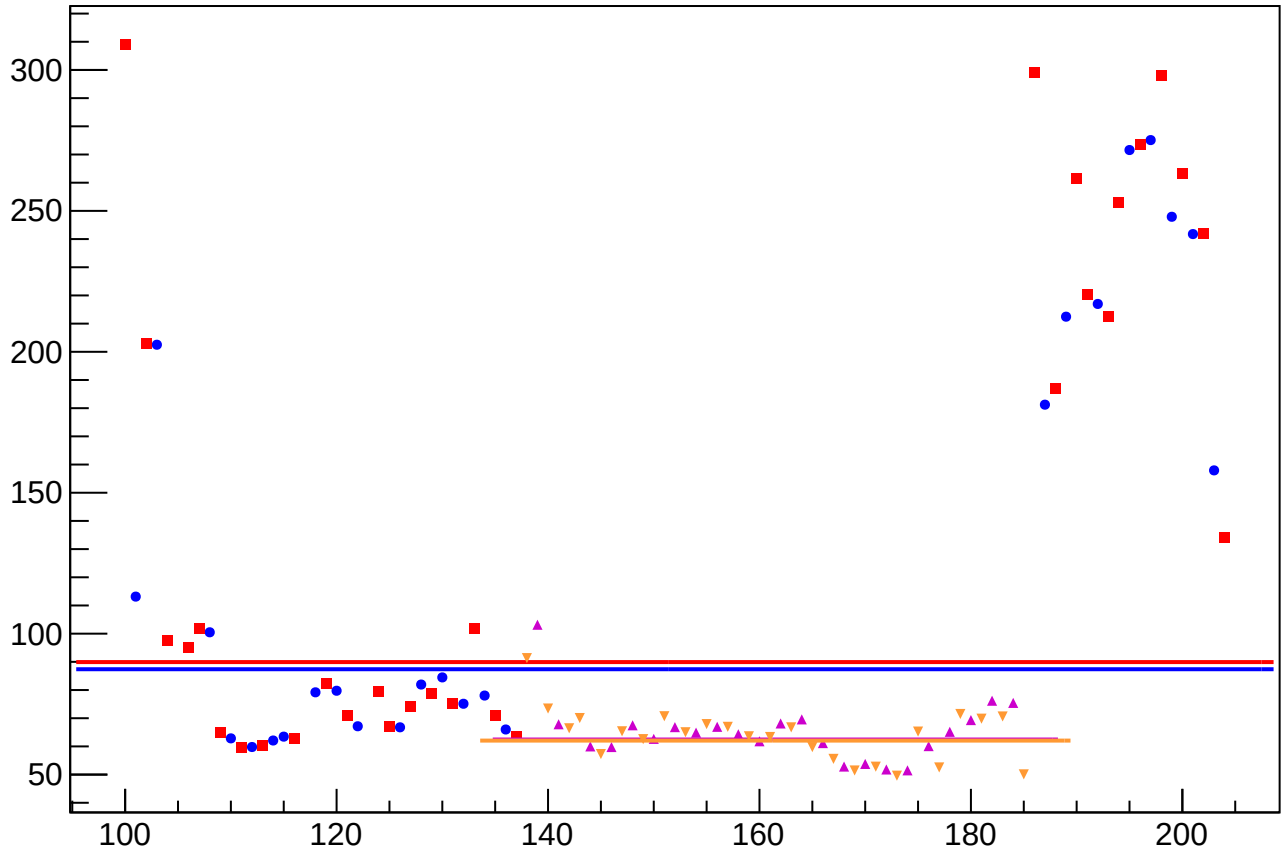
Left: 78.327+/-10.297 χ^2/NDF: 90.5/47

Right: -6.969+/-19.176 χ^2/NDF: 67.1/53

In: 54.138+/-13.045 χ^2/NDF:63.3/46

Out: 64.011+/-12.624 χ^2/NDF:109.4/54

All: 59.236+/-9.072 χ^2/NDF: 173.0/101



Right In: 87.380+/-0.019 χ^2/NDF: 5660047.3/23

Left Out: 62.063+/-0.010 χ^2/NDF:686530.2/24

Right Out: 89.919+/-0.019 χ^2/NDF: 7363784.9/29

Left In: 62.445+/-0.010 χ^2/NDF:664644.9/22

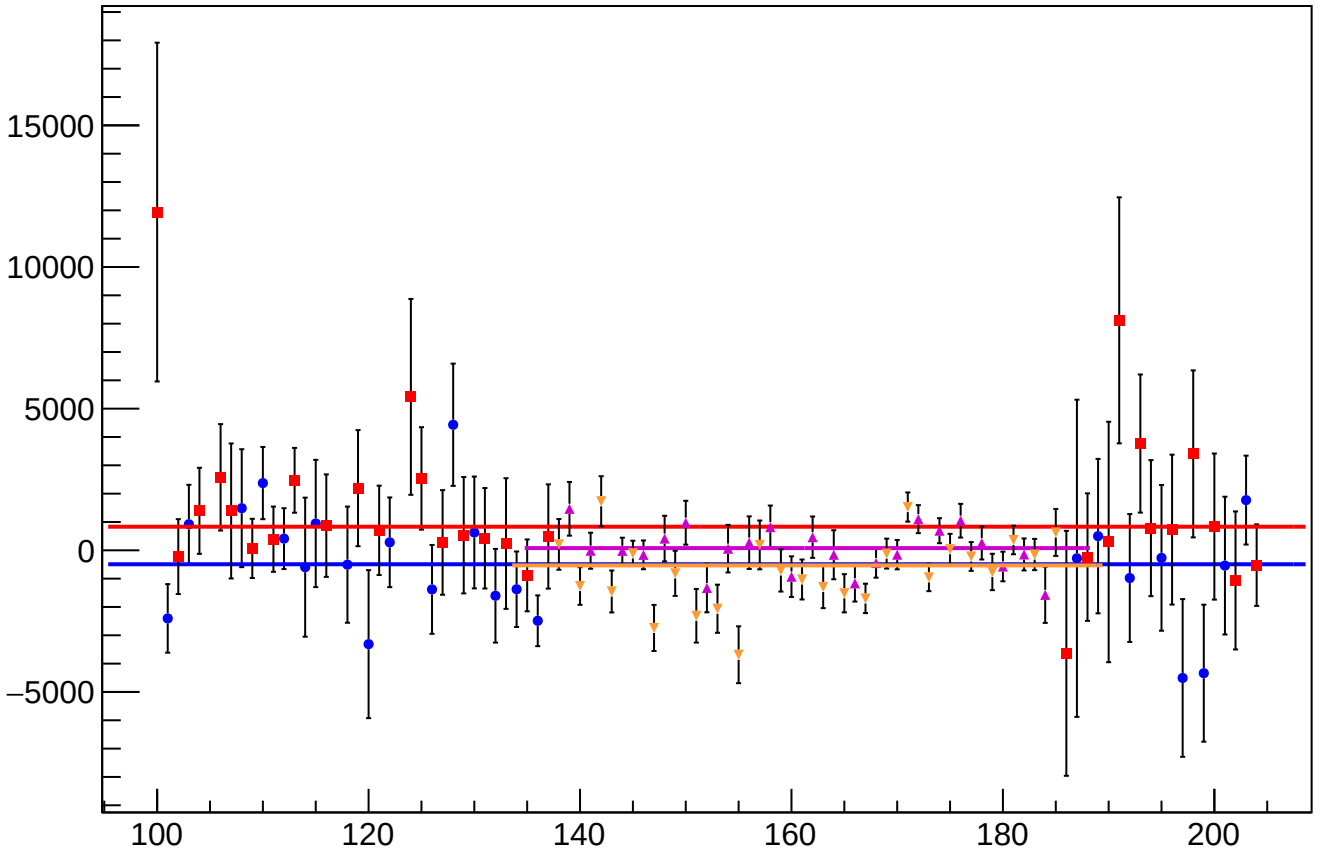
Left: 62.248+/-0.007 χ^2/NDF: 1351864.4/47

Right: 88.689+/-0.014 χ^2/NDF: 13032587.8/53

In: 68.036+/-0.009 χ^2/NDF:7595750.0/46

Out: 68.287+/-0.009 χ^2/NDF:9739978.2/54

All: 68.166+/-0.006 χ^2/NDF: 17336108.0/101



Right In: -492.476+/-343.003 χ^2/NDF: 30.6/23

Left Out: -532.779+/-127.927 χ^2/NDF:69.1/24

Right Out: 833.284+/-333.732 χ^2/NDF: 20.9/29

Left In: 77.393+/-130.317 χ^2/NDF:28.4/22

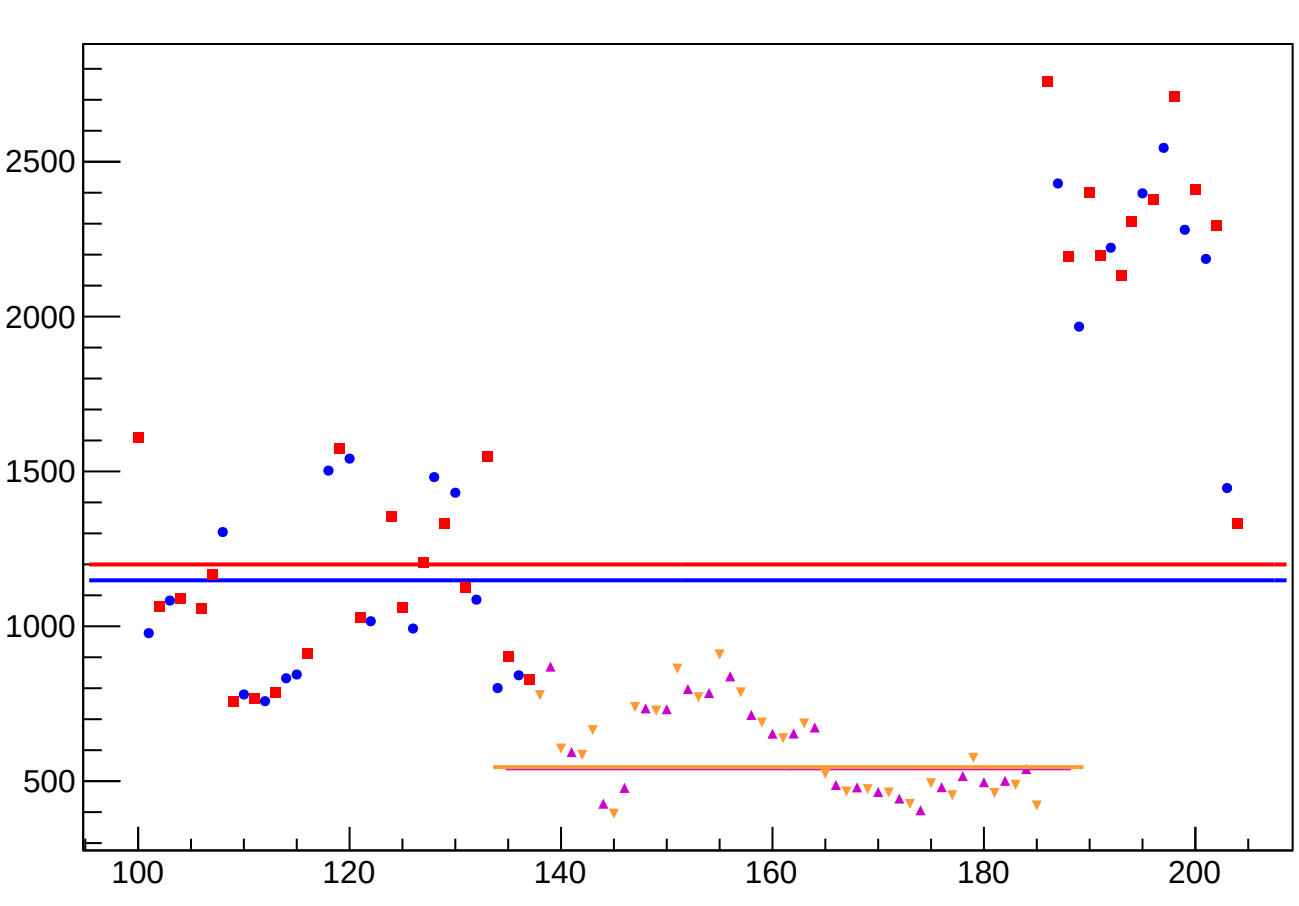
Left: -233.341+/-91.291 χ^2/NDF: 108.6/47

Right: 188.563+/-239.195 χ^2/NDF: 59.2/53

In: 5.510+/-121.821 χ^2/NDF:61.4/46

Out: -357.771+/-119.451 χ^2/NDF:104.6/54

All: -179.698+/-85.290 χ^2/NDF: 170.5/101



Right In: 1148.388+/-0.243 χ^2/NDF: 3745438.7/23

Left Out: 545.304+/-0.090 χ^2/NDF:2083690.3/24

Right Out: 1199.600+/-0.236 χ^2/NDF: 4775782.6/29

Left In: 541.458+/-0.092 χ^2/NDF:1840342.7/22

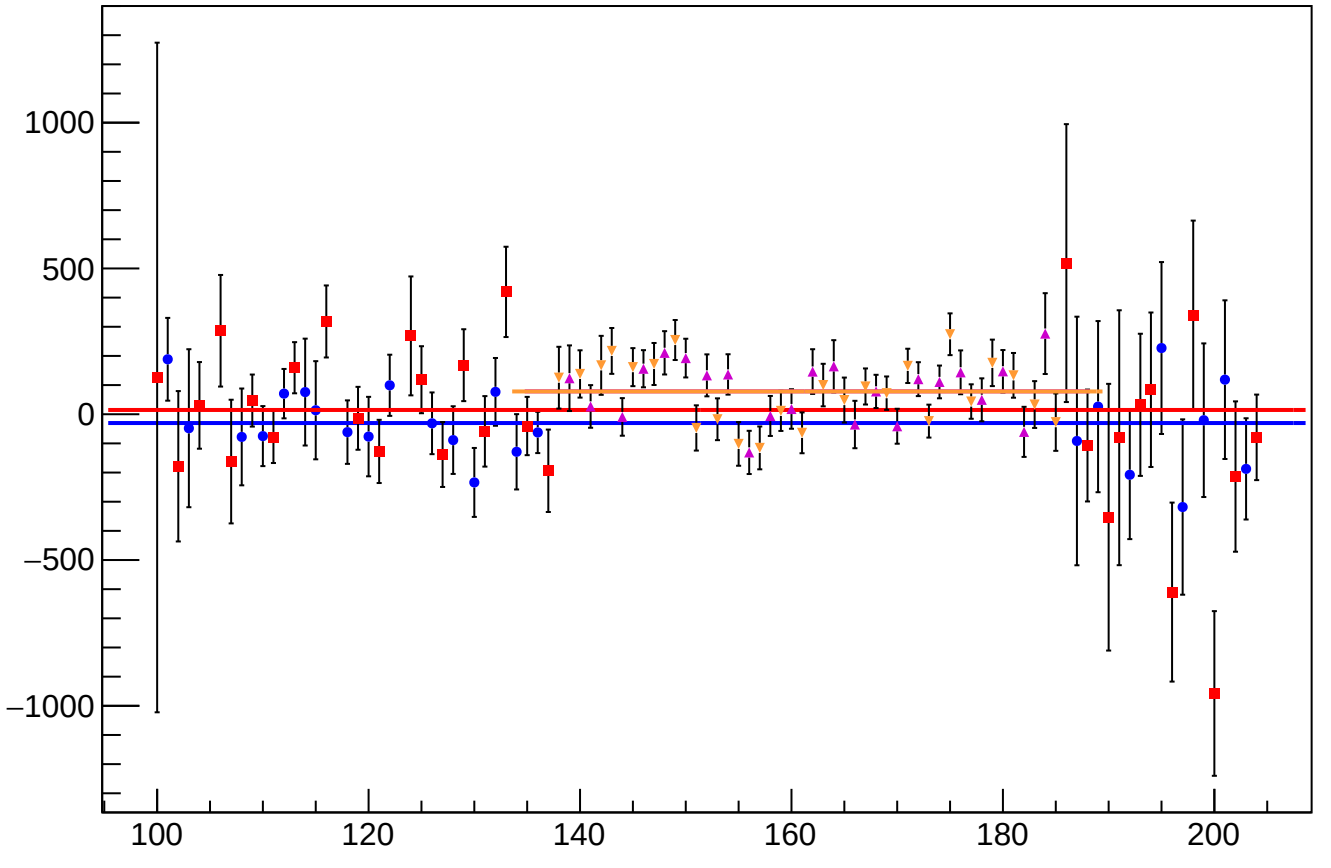
Left: 543.417+/-0.065 χ^2/NDF: 3924920.4/47

Right: 1174.696+/-0.169 χ^2/NDF: 8544123.9/53

In: 618.015+/-0.086 χ^2/NDF:11057878.4/46

Out: 629.127+/-0.084 χ^2/NDF:13562082.6/54

All: 623.680+/-0.060 χ^2/NDF: 24628443.7/10



Right In: -30.177+/-27.549 χ^2/NDF: 14.6/23

Left Out: 78.162+/-14.326 χ^2/NDF:53.9/24

Right Out: 14.657+/-26.710 χ^2/NDF: 51.0/29

Left In: 78.506+/-14.811 χ^2/NDF:36.7/22

Left: 78.329+/-10.297 χ^2/NDF: 90.5/47

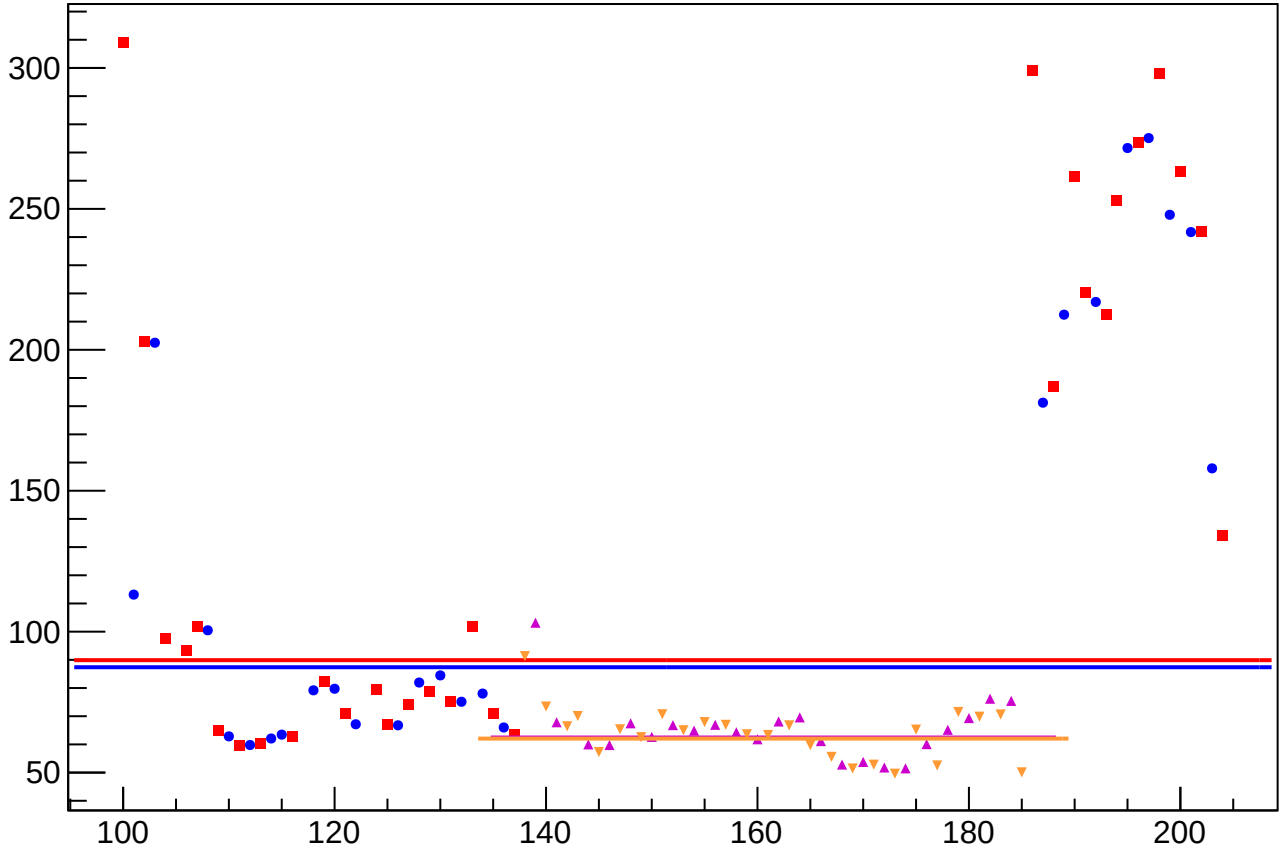
Right: -7.067+/-19.177 χ^2/NDF: 67.0/53

In: 54.136+/-13.046 χ^2/NDF:63.3/46

Out: 63.975+/-12.624 χ^2/NDF:109.3/54

All: 59.217+/-9.072 χ^2/NDF: 172.9/101

cor_asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 87.380+/-0.019 χ^2/NDF: 5660049.7/23

Left Out: 62.063+/-0.010 χ^2/NDF:686530.2/24

Right Out: 89.885+/-0.019 χ^2/NDF: 7363201.7/29

Left In: 62.445+/-0.010 χ^2/NDF:664644.9/22

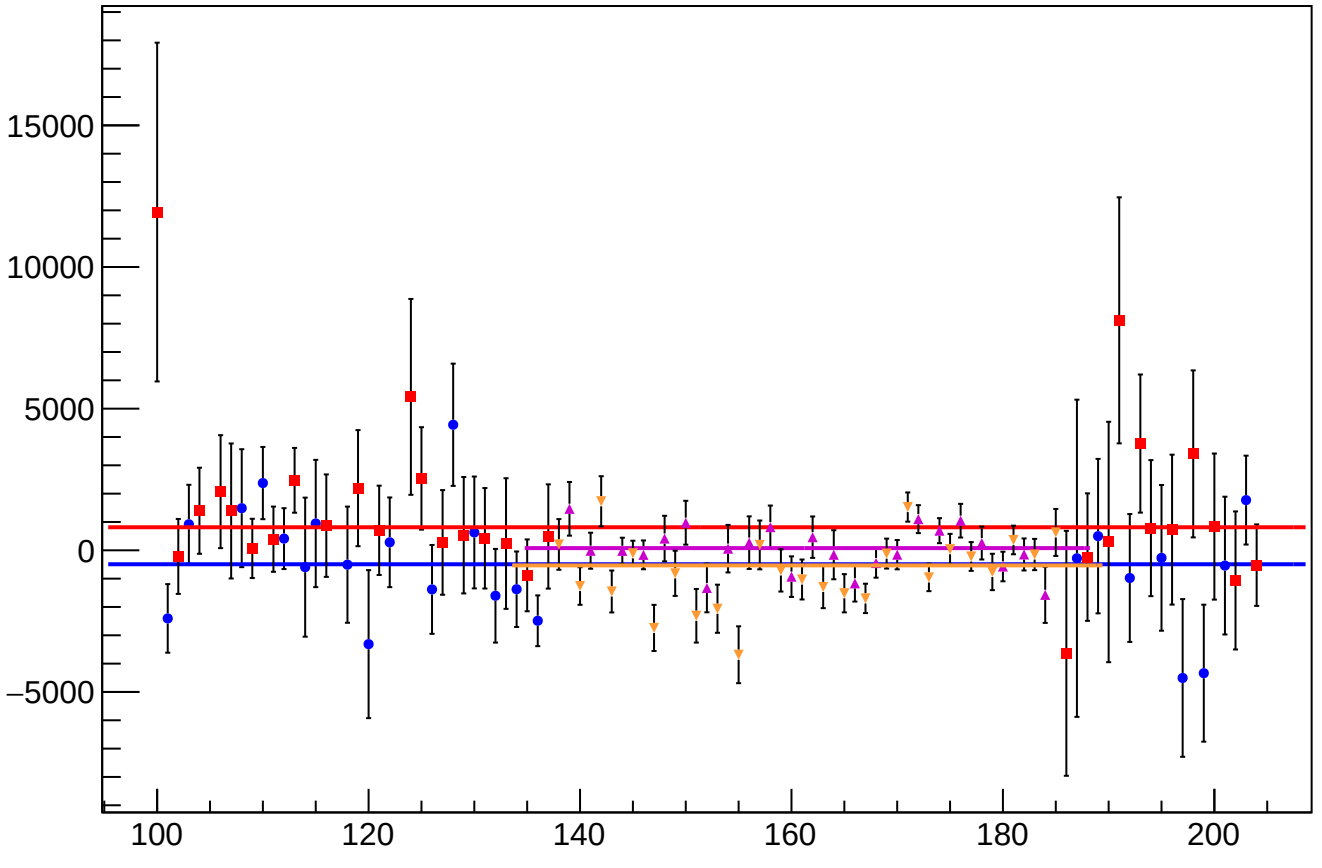
Left: 62.248+/-0.007 χ^2/NDF: 1351864.3/47

Right: 88.672+/-0.014 χ^2/NDF: 13031773.1/53

In: 68.036+/-0.009 χ^2/NDF:7595752.0/46

Out: 68.278+/-0.009 χ^2/NDF:9735038.0/54

All: 68.161+/-0.006 χ^2/NDF: 17331144.6/101



Right In: -492.463+/-343.005 χ^2/NDF: 30.6/23

Left Out: -532.776+/-127.927 χ^2/NDF:69.1/24

Right Out: 813.383+/-334.347 χ^2/NDF: 20.4/29

Left In: 77.392+/-130.317 χ^2/NDF:28.4/22

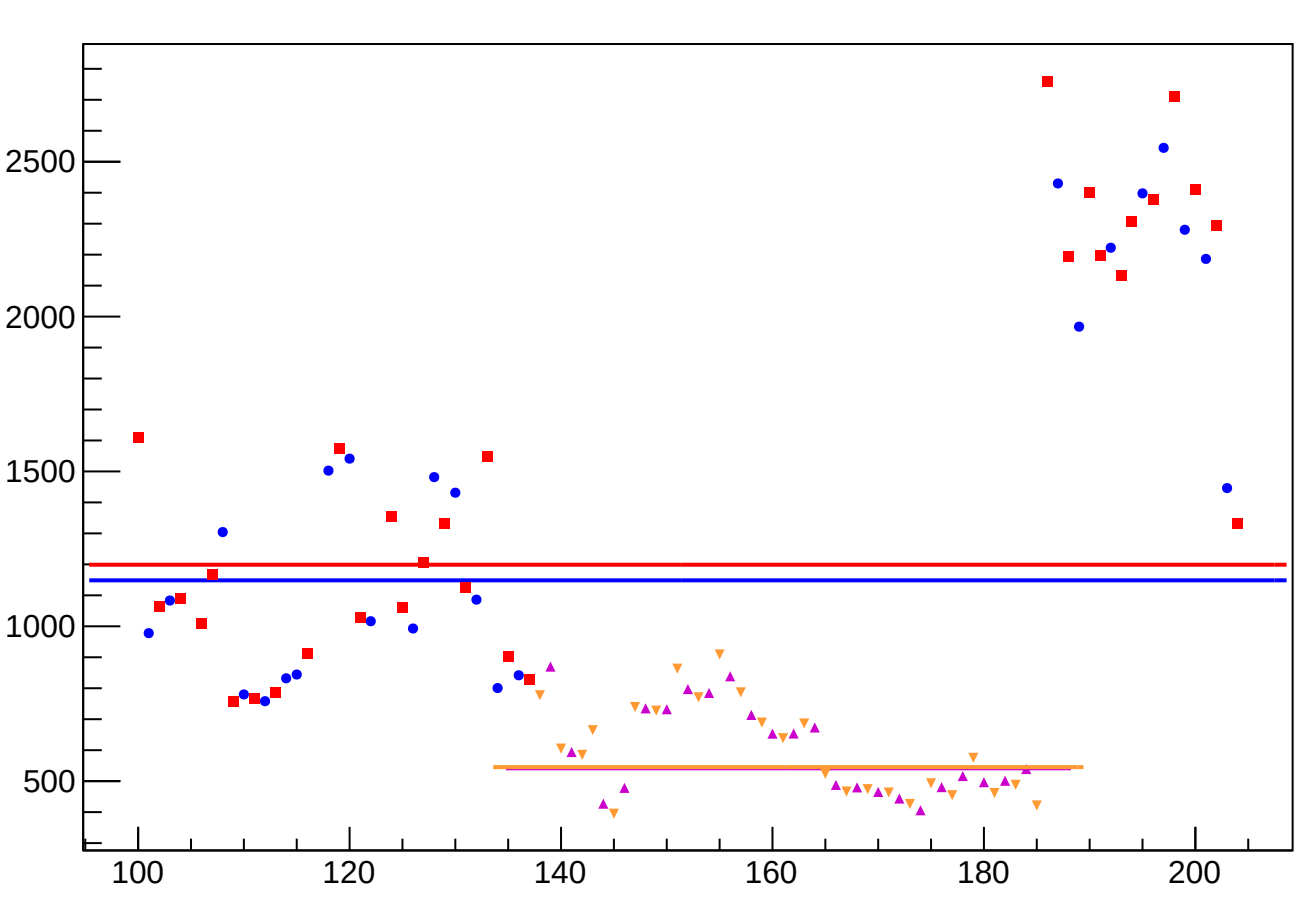
Left: -233.340+/-91.291 χ^2/NDF: 108.6/47

Right: 177.150+/-239.421 χ^2/NDF: 58.4/53

In: 5.512+/-121.821 χ^2/NDF:61.4/46

Out: -360.871+/-119.479 χ^2/NDF:103.7/54

All: -181.235+/-85.301 χ^2/NDF: 169.6/101



Right In: 1148.395+/-0.243 χ^2/NDF: 3745427.7/23

Left Out: 545.304+/-0.090 χ^2/NDF:2083686.2/24

Right Out: 1198.820+/-0.236 χ^2/NDF: 4782257.9/29

Left In: 541.458+/-0.092 χ^2/NDF:1840342.7/22

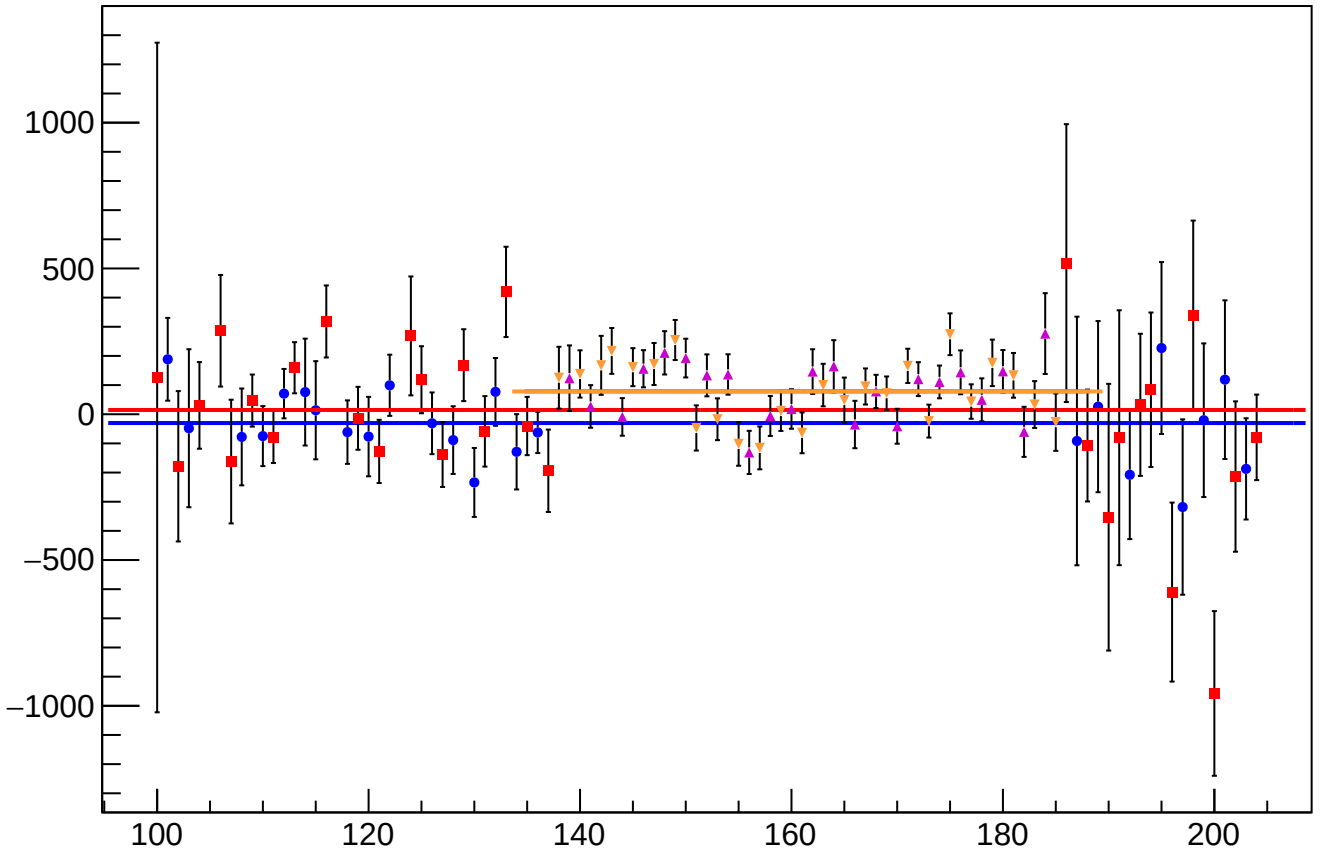
Left: 543.417+/-0.065 χ^2/NDF: 3924916.2/47

Right: 1174.252+/-0.169 χ^2/NDF: 8549849.4/53

In: 618.016+/-0.086 χ^2/NDF:11057935.1/46

Out: 628.758+/-0.084 χ^2/NDF:13531150.1/54

All: 623.491+/-0.060 χ^2/NDF: 24597012.8/10



Right In: -30.177+/-27.549 χ^2/NDF: 14.6/23

Left Out: 78.162+/-14.326 χ^2/NDF:53.9/24

Right Out: 14.657+/-26.710 χ^2/NDF: 51.0/29

Left In: 78.506+/-14.811 χ^2/NDF:36.7/22

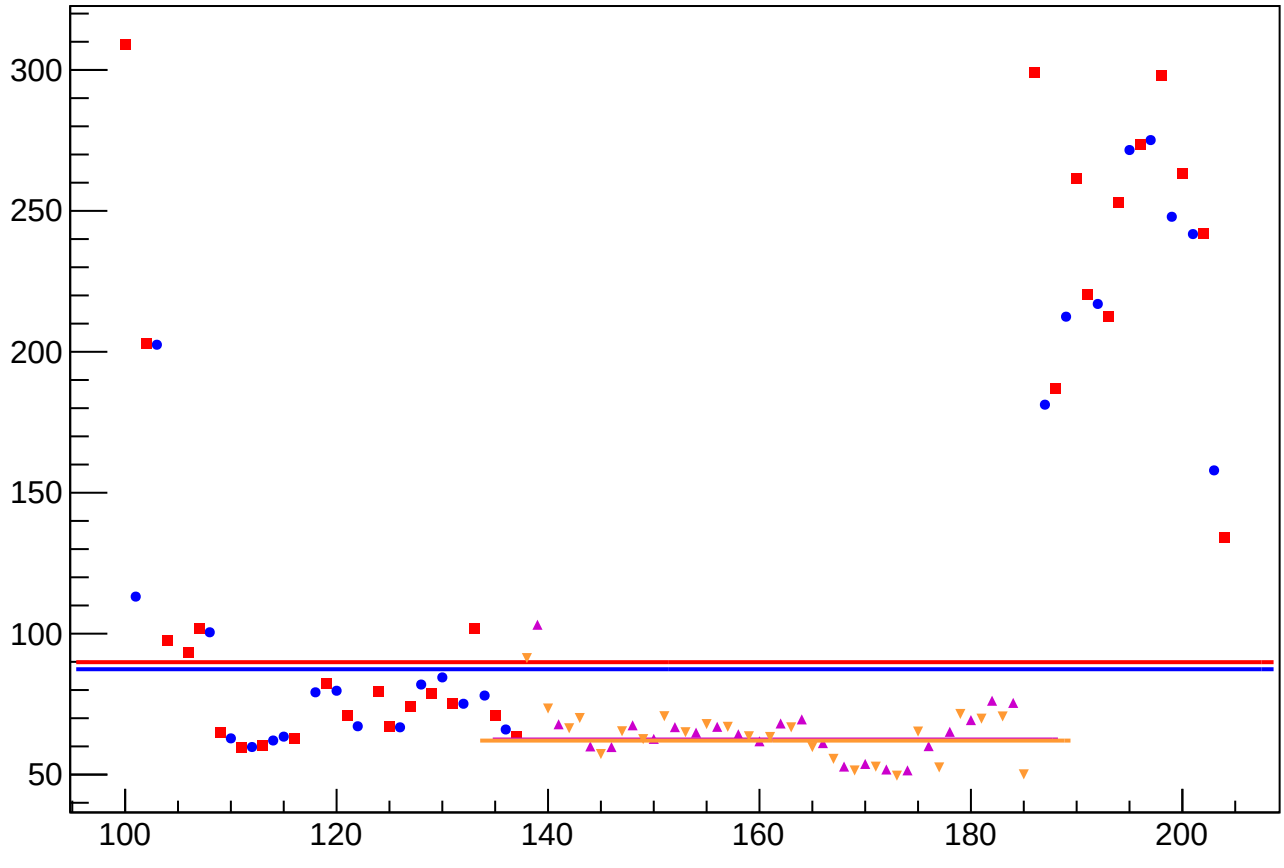
Left: 78.329+/-10.297 χ^2/NDF: 90.5/47

Right: -7.067+/-19.177 χ^2/NDF: 67.0/53

In: 54.136+/-13.046 χ^2/NDF:63.3/46

Out: 63.975+/-12.624 χ^2/NDF:109.3/54

All: 59.217+/-9.072 χ^2/NDF: 172.9/101



Right In: 87.380+/-0.019 χ^2/NDF: 5660049.7/23

Left Out: 62.063+/-0.010 χ^2/NDF:686530.2/24

Right Out: 89.885+/-0.019 χ^2/NDF: 7363201.7/29

Left In: 62.445+/-0.010 χ^2/NDF:664644.9/22

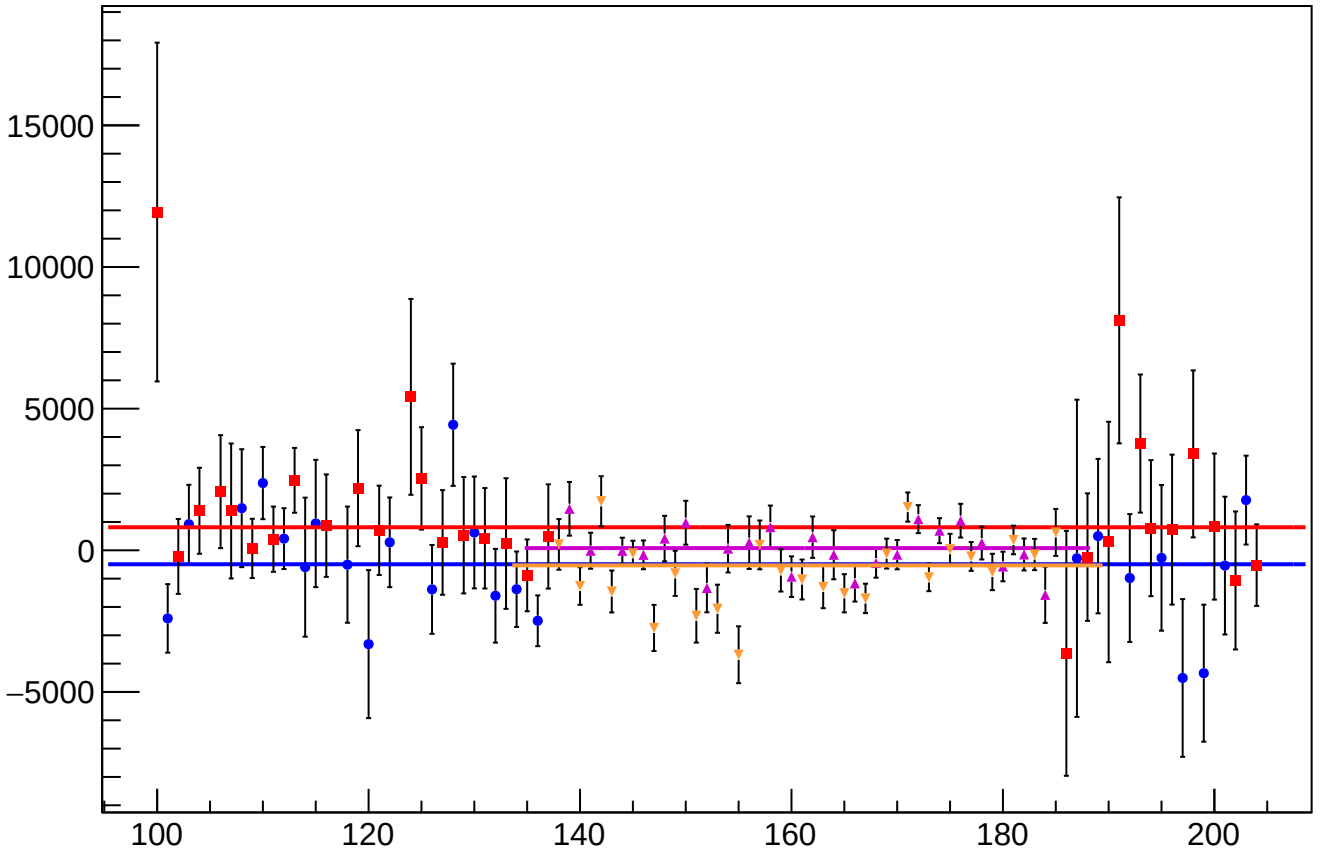
Left: 62.248+/-0.007 χ^2/NDF: 1351864.3/47

Right: 88.672+/-0.014 χ^2/NDF: 13031773.1/53

In: 68.036+/-0.009 χ^2/NDF:7595752.0/46

Out: 68.278+/-0.009 χ^2/NDF:9735038.0/54

All: 68.161+/-0.006 χ^2/NDF: 17331144.6/101



Right In: -492.463+/-343.005 χ^2/NDF: 30.6/23

Left Out: -532.776+/-127.927 χ^2/NDF:69.1/24

Right Out: 813.383+/-334.347 χ^2/NDF: 20.4/29

Left In: 77.392+/-130.317 χ^2/NDF:28.4/22

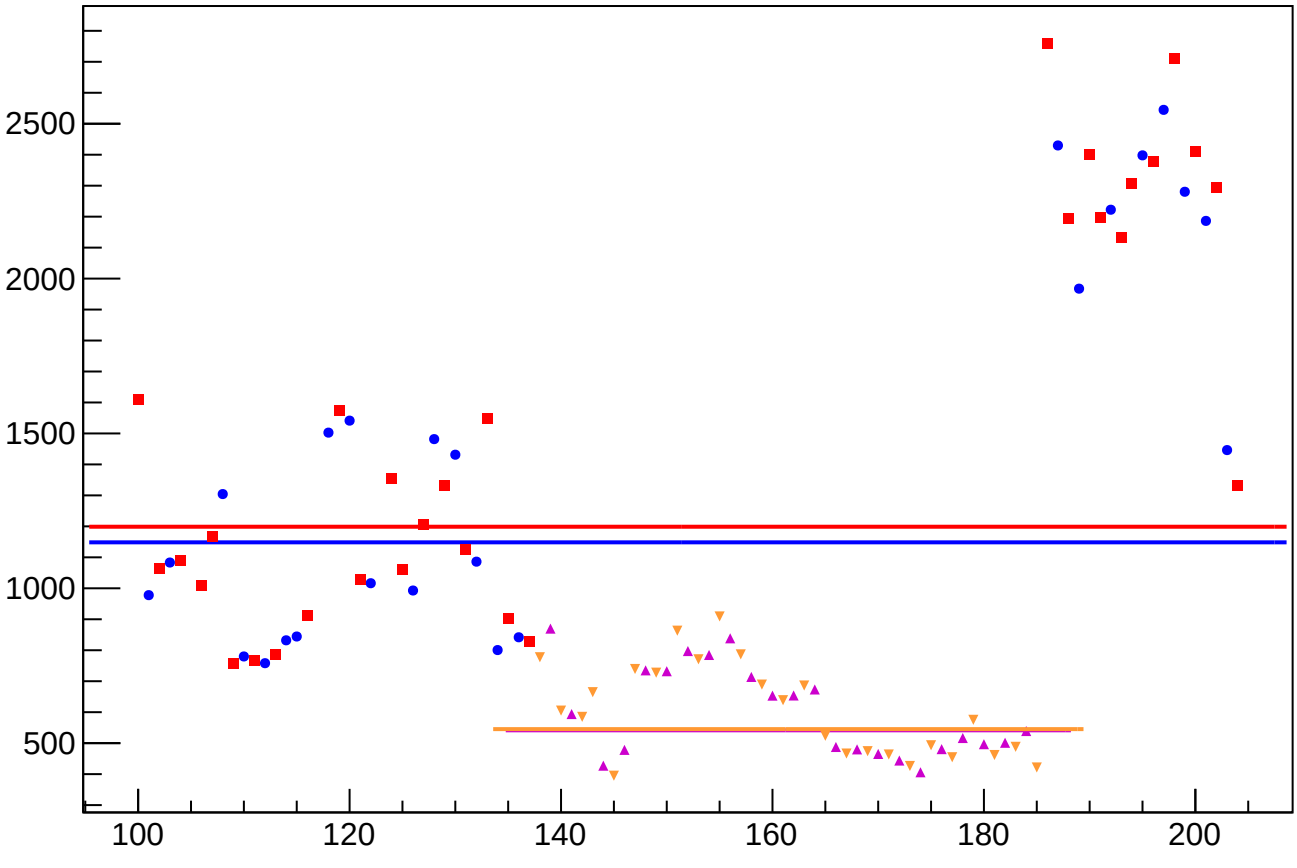
Left: -233.340+/-91.291 χ^2/NDF: 108.6/47

Right: 177.150+/-239.421 χ^2/NDF: 58.4/53

In: 5.512+/-121.821 χ^2/NDF:61.4/46

Out: -360.871+/-119.479 χ^2/NDF:103.7/54

All: -181.235+/-85.301 χ^2/NDF: 169.6/101



Right In: 1148.395+/-0.243 χ^2/NDF: 3745427.7/23

Left Out: 545.304+/-0.090 χ^2/NDF:2083686.2/24

Right Out: 1198.820+/-0.236 χ^2/NDF: 4782257.9/29

Left In: 541.458+/-0.092 χ^2/NDF:1840342.7/22

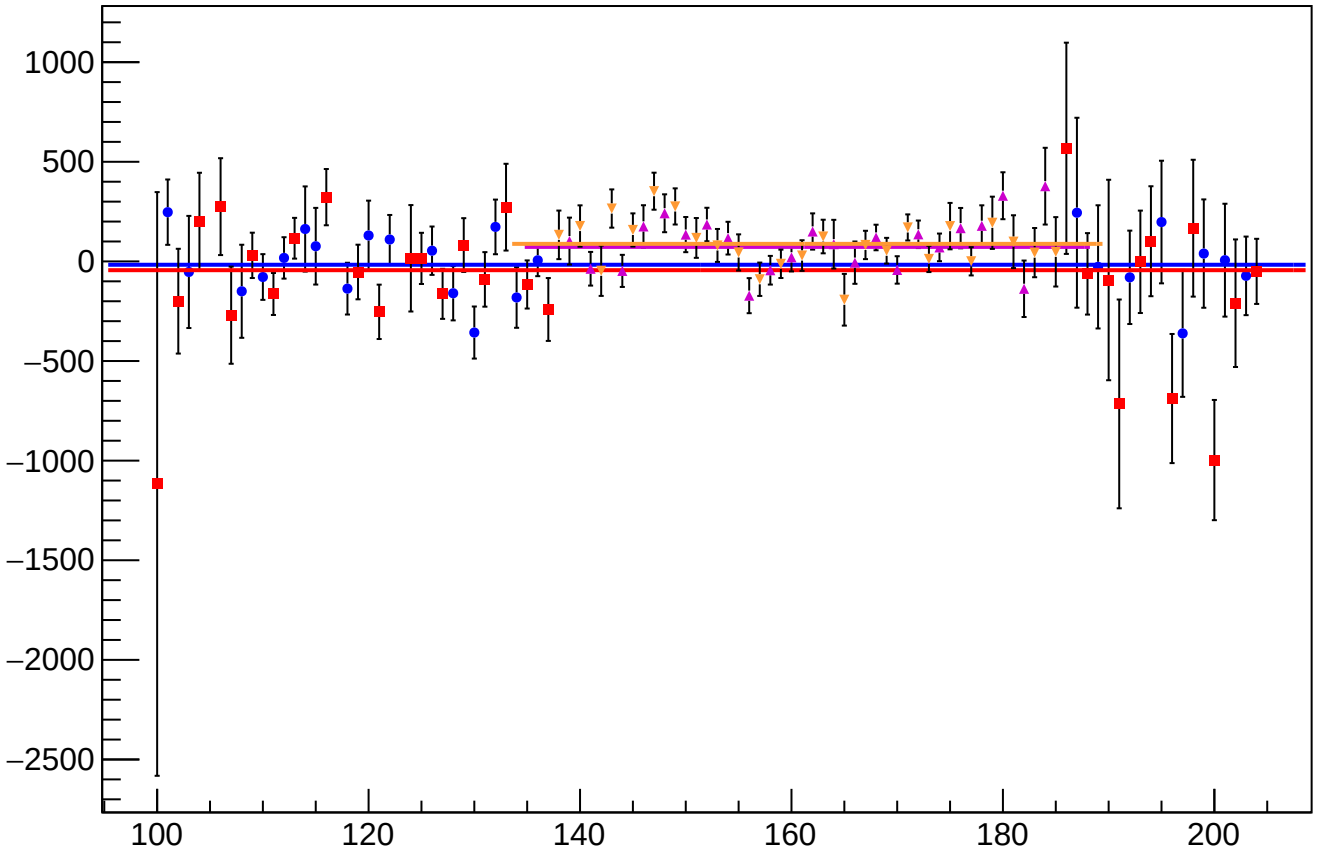
Left: 543.417+/-0.065 χ^2/NDF: 3924916.2/47

Right: 1174.252+/-0.169 χ^2/NDF: 8549849.4/53

In: 618.016+/-0.086 χ^2/NDF:11057935.1/46

Out: 628.758+/-0.084 χ^2/NDF:13531150.1/54

All: 623.491+/-0.060 χ^2/NDF: 24597012.8/10



Right In: -16.810+/-31.903 χ^2/NDF: 20.4/23

Left Out: 88.040+/-17.745 χ^2/NDF:36.9/24

Right Out: -44.083+/-31.609 χ^2/NDF: 41.7/29

Left In: 72.849+/-18.276 χ^2/NDF:38.4/22

Left: 80.668+/-12.731 χ^2/NDF: 75.7/47

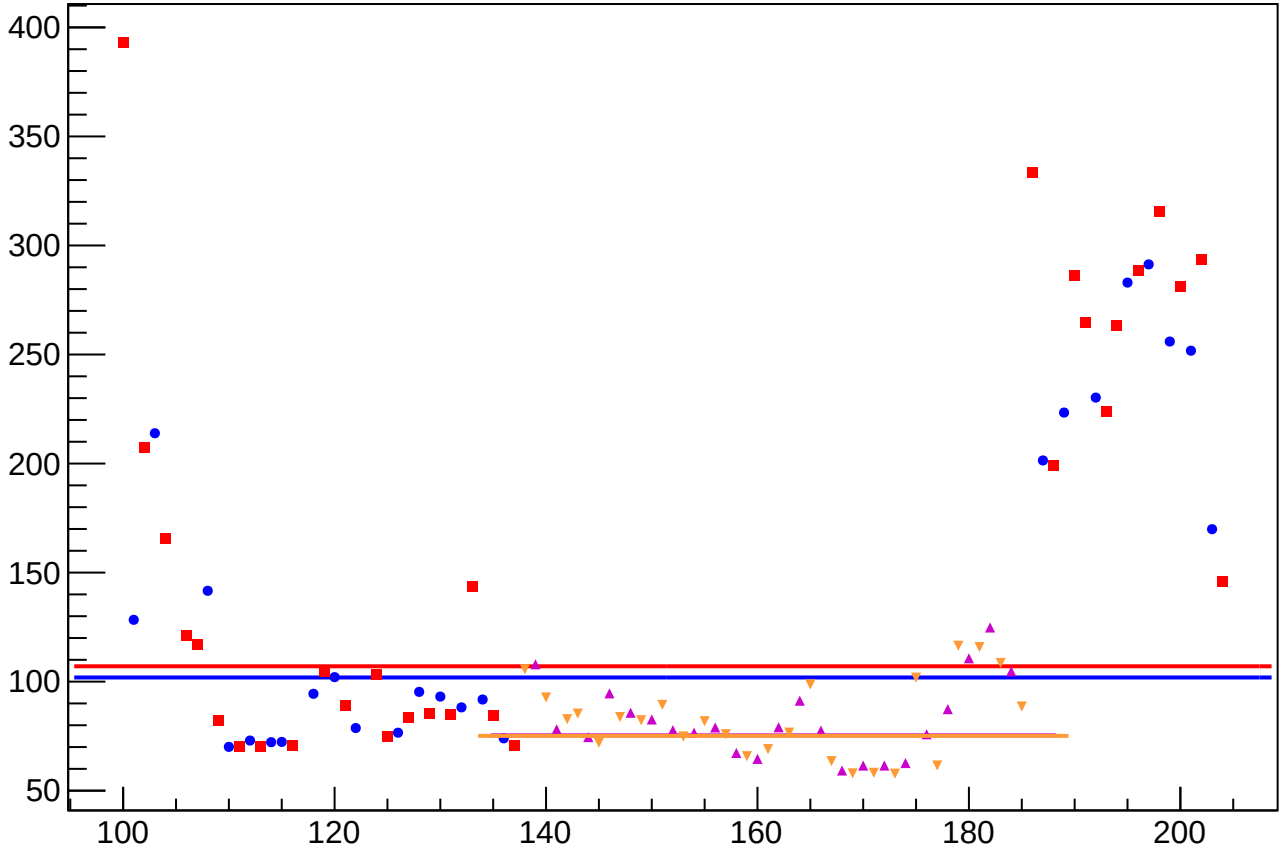
Right: -30.572+/-22.454 χ^2/NDF: 62.5/53

In: 50.696+/-15.858 χ^2/NDF:64.8/46

Out: 56.380+/-15.473 χ^2/NDF:91.9/54

All: 53.607+/-11.075 χ^2/NDF: 156.8/101

dit_asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 101.902+/-0.023 χ^2/NDF: 5107567.1/23

Left Out: 75.128+/-0.013 χ^2/NDF:1601461.8/24

Right Out: 107.034+/-0.022 χ^2/NDF: 6859221.4/29

Left In: 75.363+/-0.013 χ^2/NDF:1225318.4/22

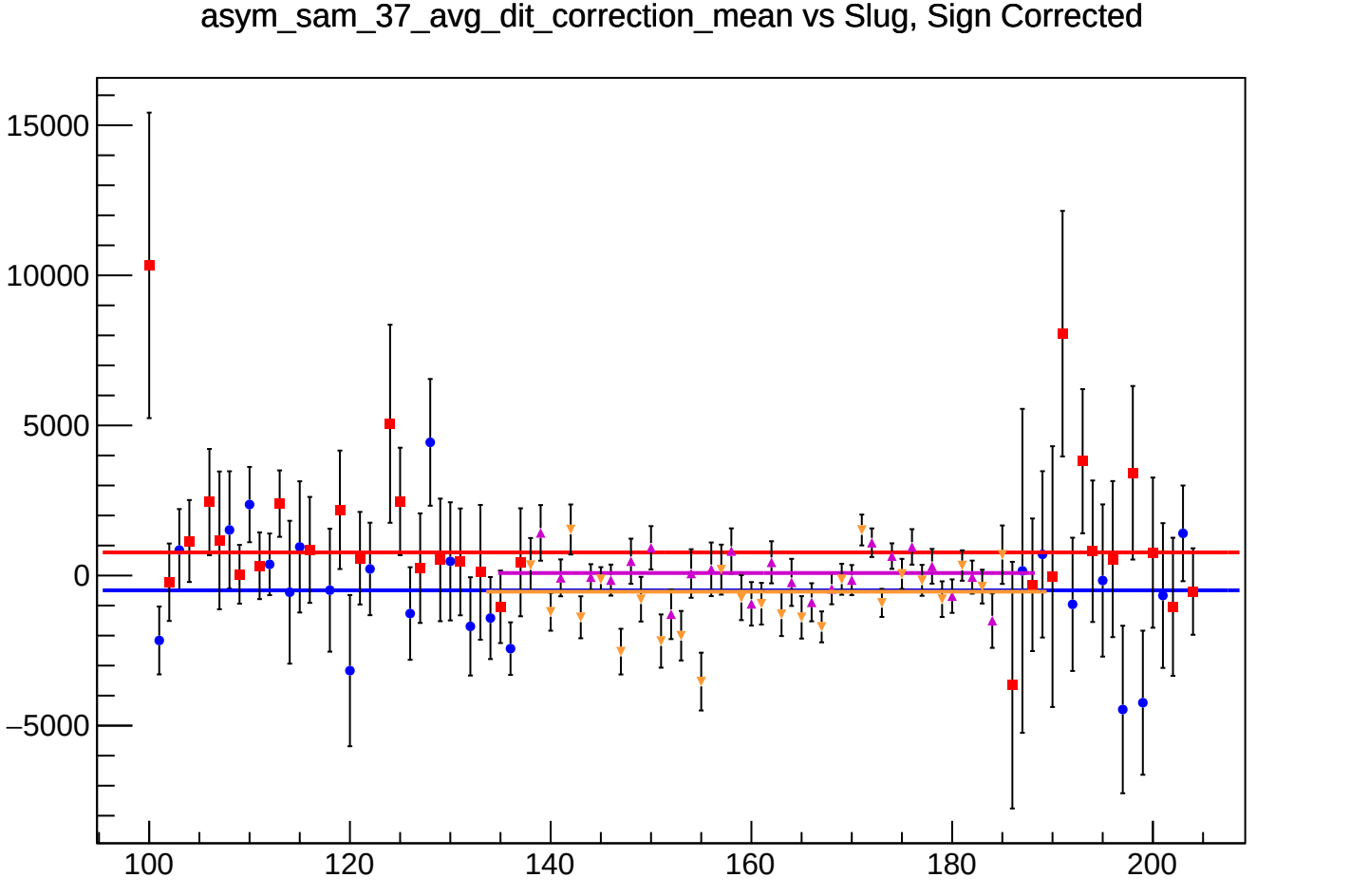
Left: 75.242+/-0.009 χ^2/NDF: 2826950.4/47

Right: 104.492+/-0.016 χ^2/NDF: 11992907.0/53

In: 81.920+/-0.011 χ^2/NDF:7374972.3/46

Out: 82.774+/-0.011 χ^2/NDF:10010188.7/54

All: 82.357+/-0.008 χ^2/NDF: 17388126.4/101



Right In: -492.487+/-335.721 χ^2/NDF: 29.9/23

Left Out: -536.789+/-124.471 χ^2/NDF:67.0/24

Right Out: 770.222+/-322.118 χ^2/NDF: 22.1/29

Left In: 84.668+/-127.039 χ^2/NDF:27.5/22

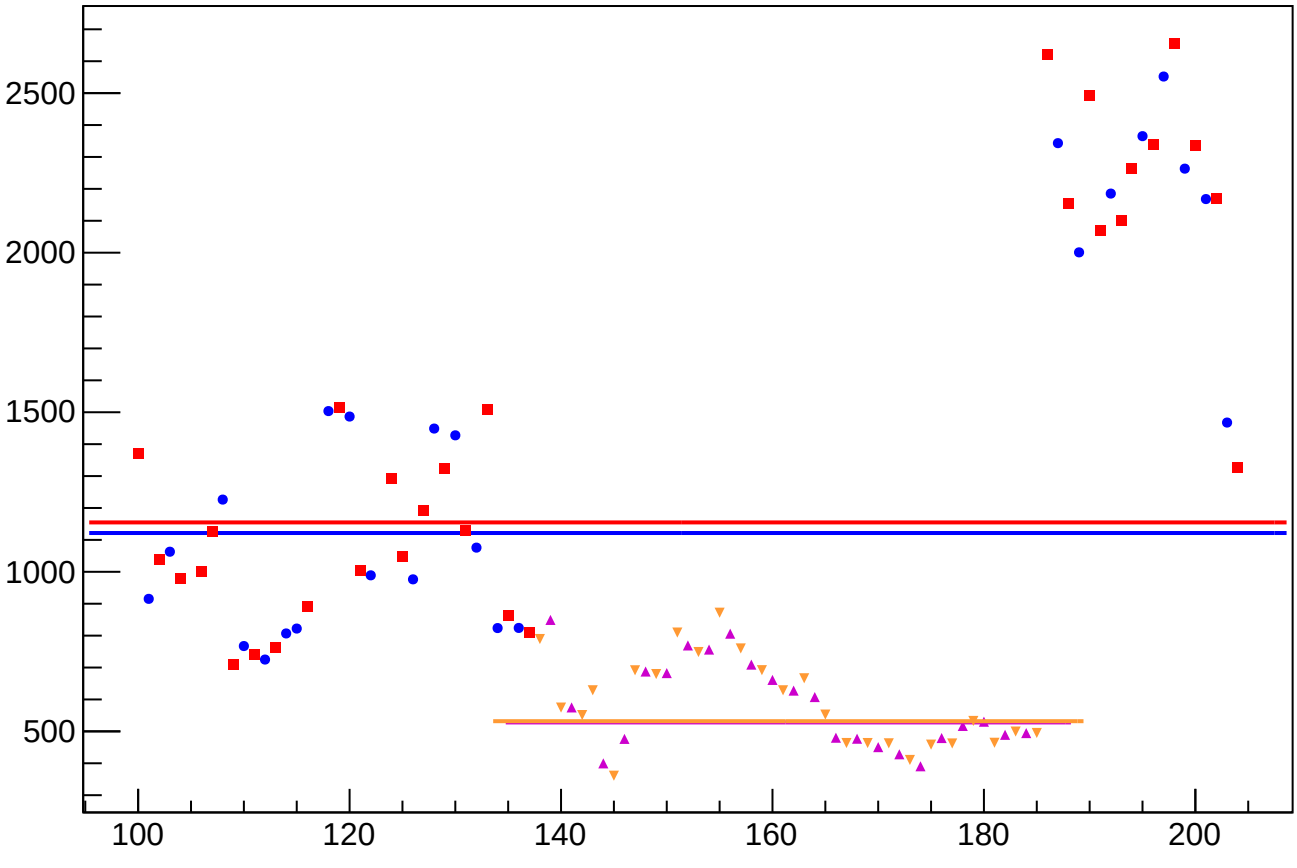
Left: -232.405+/-88.909 χ^2/NDF: 106.7/47

Right: 164.966+/-232.432 χ^2/NDF: 59.4/53

In: 12.376+/-118.817 χ^2/NDF:59.9/46

Out: -366.985+/-116.105 χ^2/NDF:103.5/54

All: -181.684+/-83.041 χ^2/NDF: 168.6/101



Right In: 1121.559+/-0.237 χ^2/NDF: 3868215.2/23

Left Out: 531.872+/-0.088 χ^2/NDF:2037750.0/24

Right Out: 1154.757+/-0.228 χ^2/NDF: 4934863.6/29

Left In: 527.986+/-0.090 χ^2/NDF:1800455.5/22

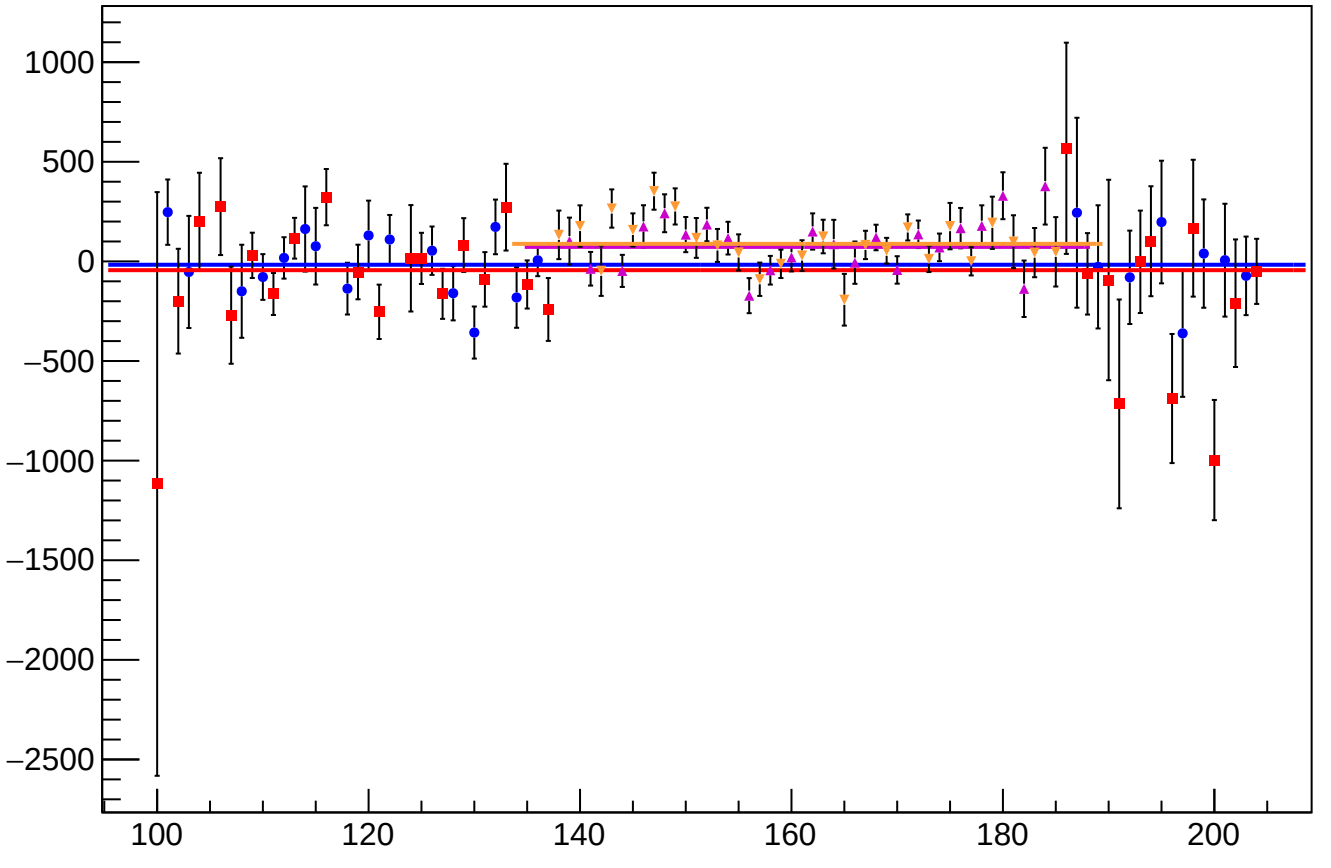
Left: 529.969+/-0.063 χ^2/NDF: 3839160.5/47

Right: 1138.844+/-0.164 χ^2/NDF: 8813261.3/53

In: 602.335+/-0.084 χ^2/NDF:11137617.0/46

Out: 612.796+/-0.082 χ^2/NDF:13479524.6/54

All: 607.686+/-0.059 χ^2/NDF: 24625072.5/10



Right In: -16.810+/-31.903 χ^2/NDF: 20.4/23

Left Out: 88.040+/-17.745 χ^2/NDF:36.9/24

Right Out: -44.086+/-31.609 χ^2/NDF: 41.7/29

Left In: 72.848+/-18.276 χ^2/NDF:38.4/22

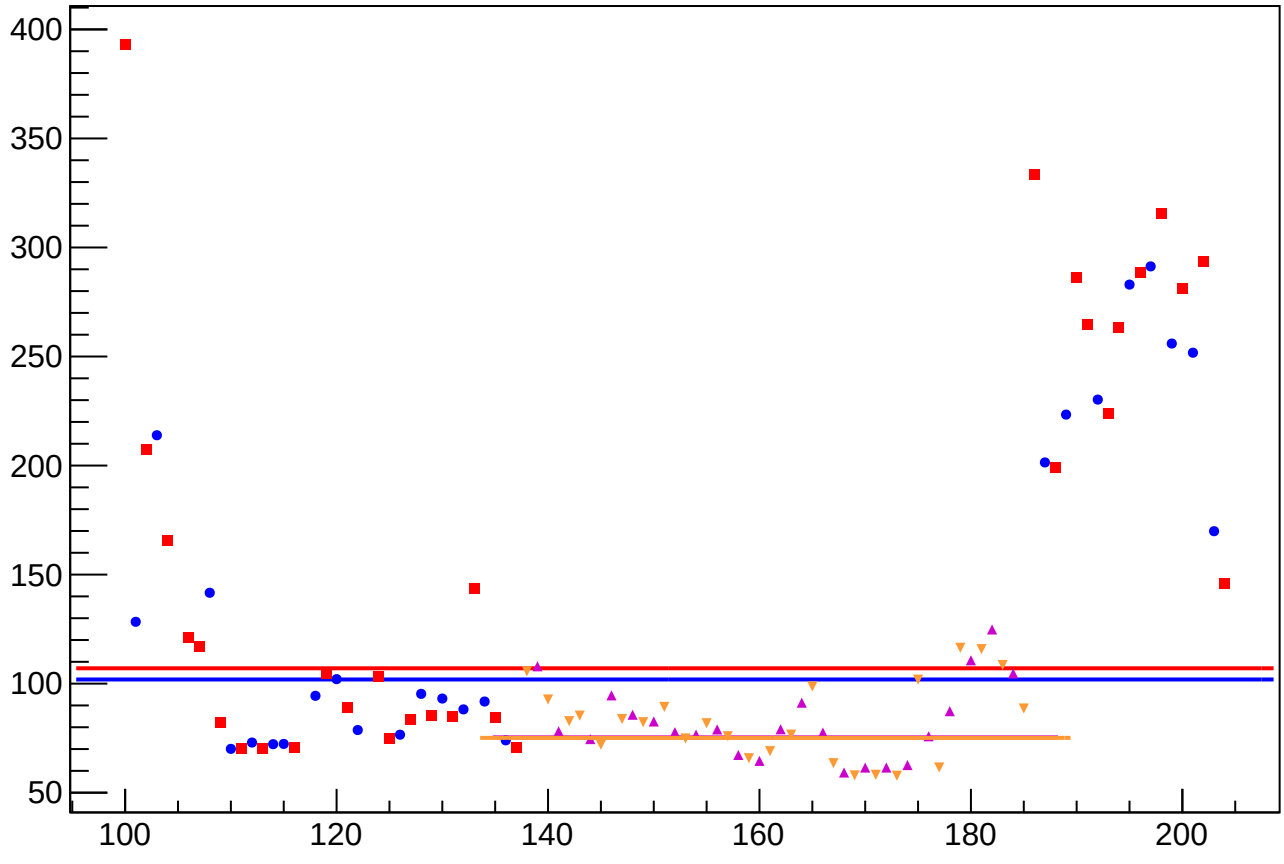
Left: 80.668+/-12.731 χ^2/NDF: 75.7/47

Right: -30.574+/-22.454 χ^2/NDF: 62.5/53

In: 50.695+/-15.858 χ^2/NDF:64.8/46

Out: 56.379+/-15.473 χ^2/NDF:91.9/54

All: 53.607+/-11.075 χ^2/NDF: 156.8/101



Right In: 101.903+/-0.023 χ^2/NDF: 5107539.1/23

Left Out: 75.128+/-0.013 χ^2/NDF:1601462.6/24

Right Out: 107.035+/-0.022 χ^2/NDF: 6859191.8/29

Left In: 75.363+/-0.013 χ^2/NDF:1225319.2/22

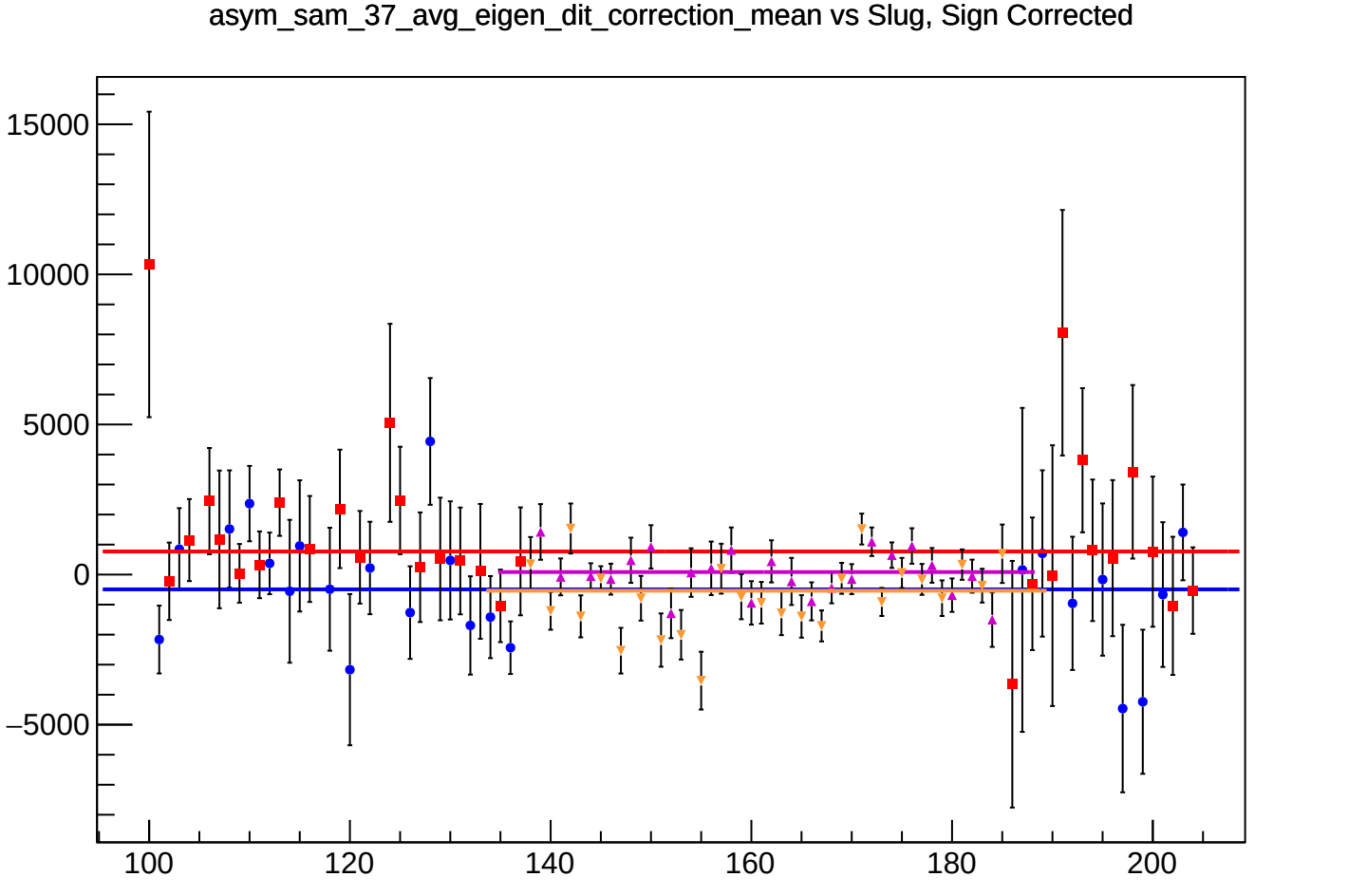
Left: 75.242+/-0.009 χ^2/NDF: 2826952.0/47

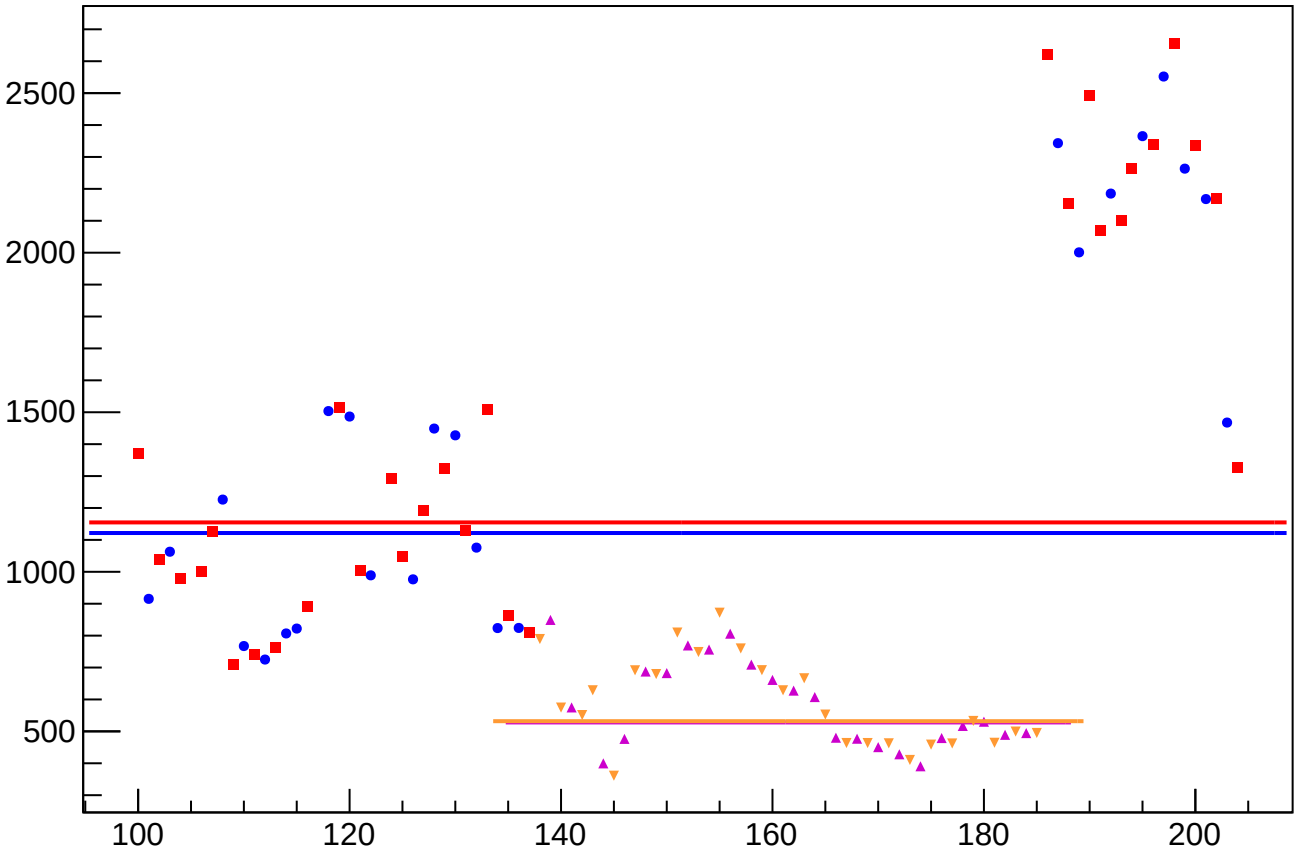
Right: 104.493+/-0.016 χ^2/NDF: 11992850.2/53

In: 81.921+/-0.011 χ^2/NDF:7374955.2/46

Out: 82.774+/-0.011 χ^2/NDF:10010176.7/54

All: 82.358+/-0.008 χ^2/NDF: 17388097.6/101


asym_sam_37_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
100
120
140
160
180
200
Right In: -492.484+/-335.720 χ²/NDF: 29.9/23
Left Out: -536.790+/-124.471 χ²/NDF:67.0/24
Right Out: 770.222+/-322.118 χ²/NDF: 22.1/29
Left In: 84.668+/-127.039 χ²/NDF:27.5/22
Left: -232.405+/-88.909 χ²/NDF: 106.7/47
Right: 164.967+/-232.432 χ²/NDF: 59.4/53
In: 12.376+/-118.817 χ²/NDF:59.9/46
Out: -366.985+/-116.105 χ²/NDF:103.5/54
All: -181.684+/-83.041 χ²/NDF: 168.6/101



Right In: 1121.557+/-0.237 χ^2/NDF: 3868223.2/23

Left Out: 531.872+/-0.088 χ^2/NDF:2037744.9/24

Right Out: 1154.755+/-0.228 χ^2/NDF: 4934871.3/29

Left In: 527.986+/-0.090 χ^2/NDF:1800449.7/22

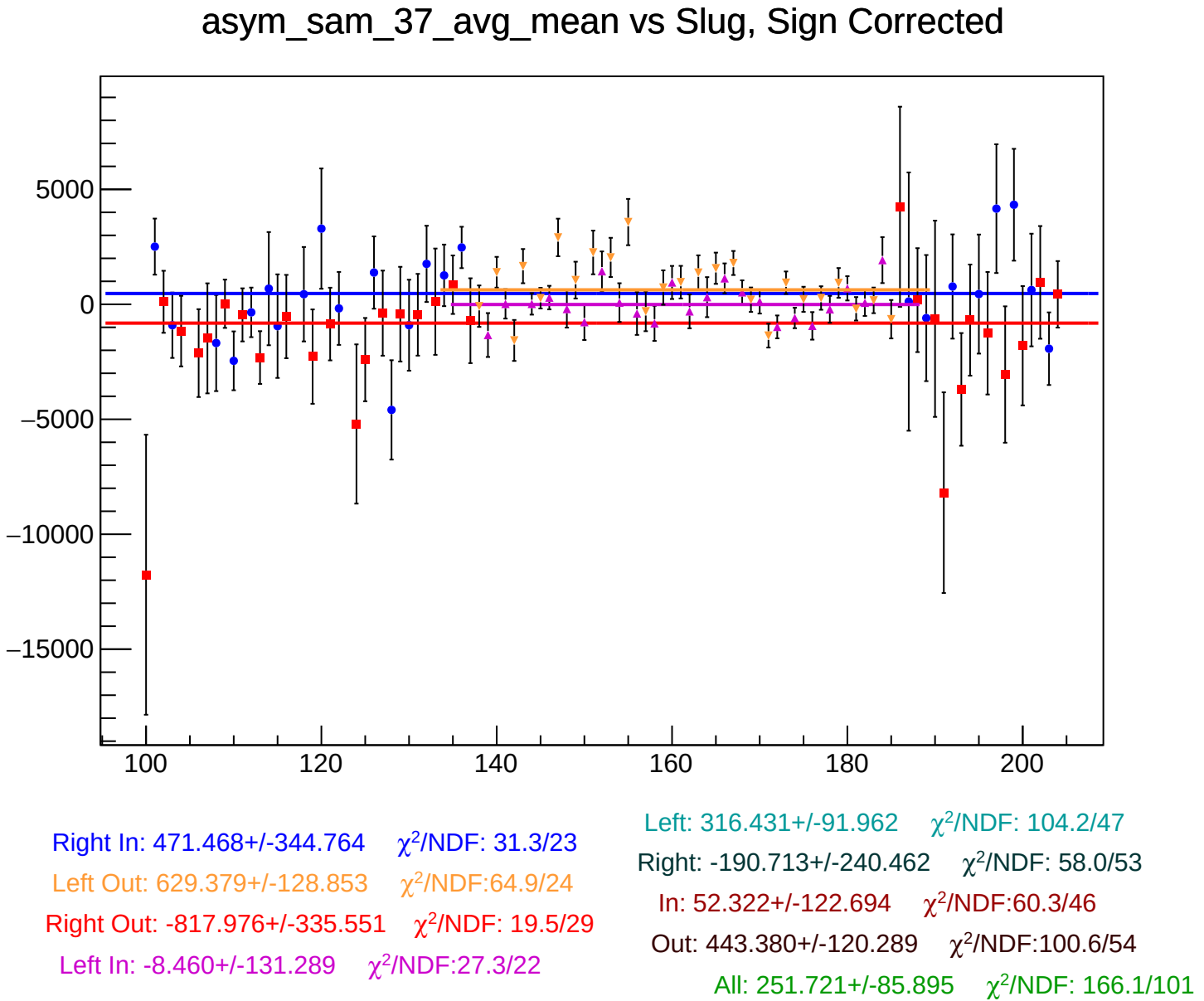
Left: 529.968+/-0.063 χ^2/NDF: 3839149.6/47

Right: 1138.842+/-0.164 χ^2/NDF: 8813276.9/53

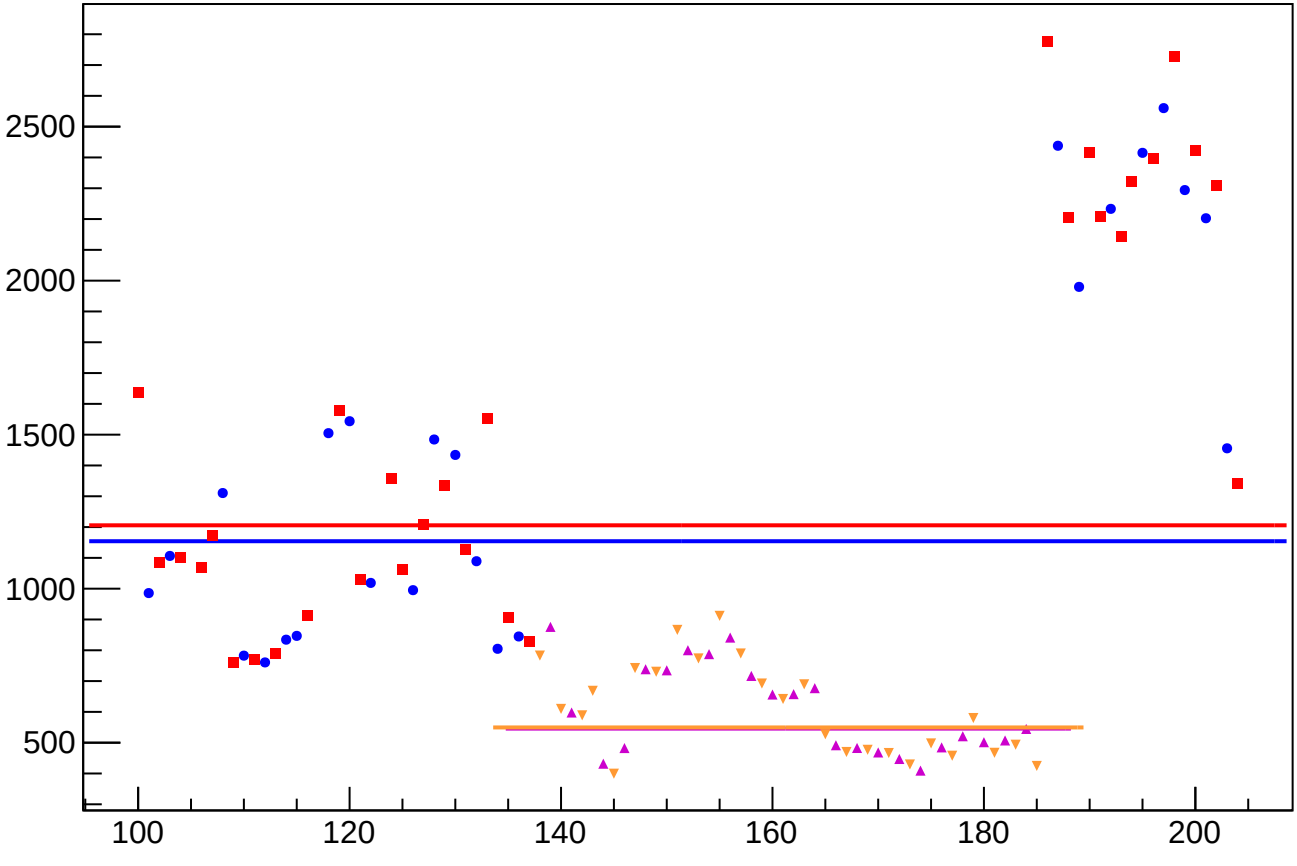
In: 602.335+/-0.084 χ^2/NDF:11137601.9/46

Out: 612.796+/-0.082 χ^2/NDF:13479509.7/54

All: 607.686+/-0.059 χ^2/NDF: 24625042.3/10


asym_sam_37_avg_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
100
120
140
160
180
200
Right In: 471.468+/-344.764 χ²/NDF: 31.3/23
Left Out: 629.379+/-128.853 χ²/NDF:64.9/24
Right Out: -817.976+/-335.551 χ²/NDF: 19.5/29
Left In: -8.460+/-131.289 χ²/NDF:27.3/22
Left: 316.431+/-91.962 χ²/NDF: 104.2/47
Right: -190.713+/-240.462 χ²/NDF: 58.0/53
In: 52.322+/-122.694 χ²/NDF:60.3/46
Out: 443.380+/-120.289 χ²/NDF:100.6/54
All: 251.721+/-85.895 χ²/NDF: 166.1/101

asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 1154.073+/-0.244 χ^2/NDF: 3753652.5/23

Left Out: 549.475+/-0.091 χ^2/NDF:2053905.8/24

Right Out: 1205.735+/-0.237 χ^2/NDF: 4785894.2/29

Left In: 545.708+/-0.093 χ^2/NDF:1814508.3/22

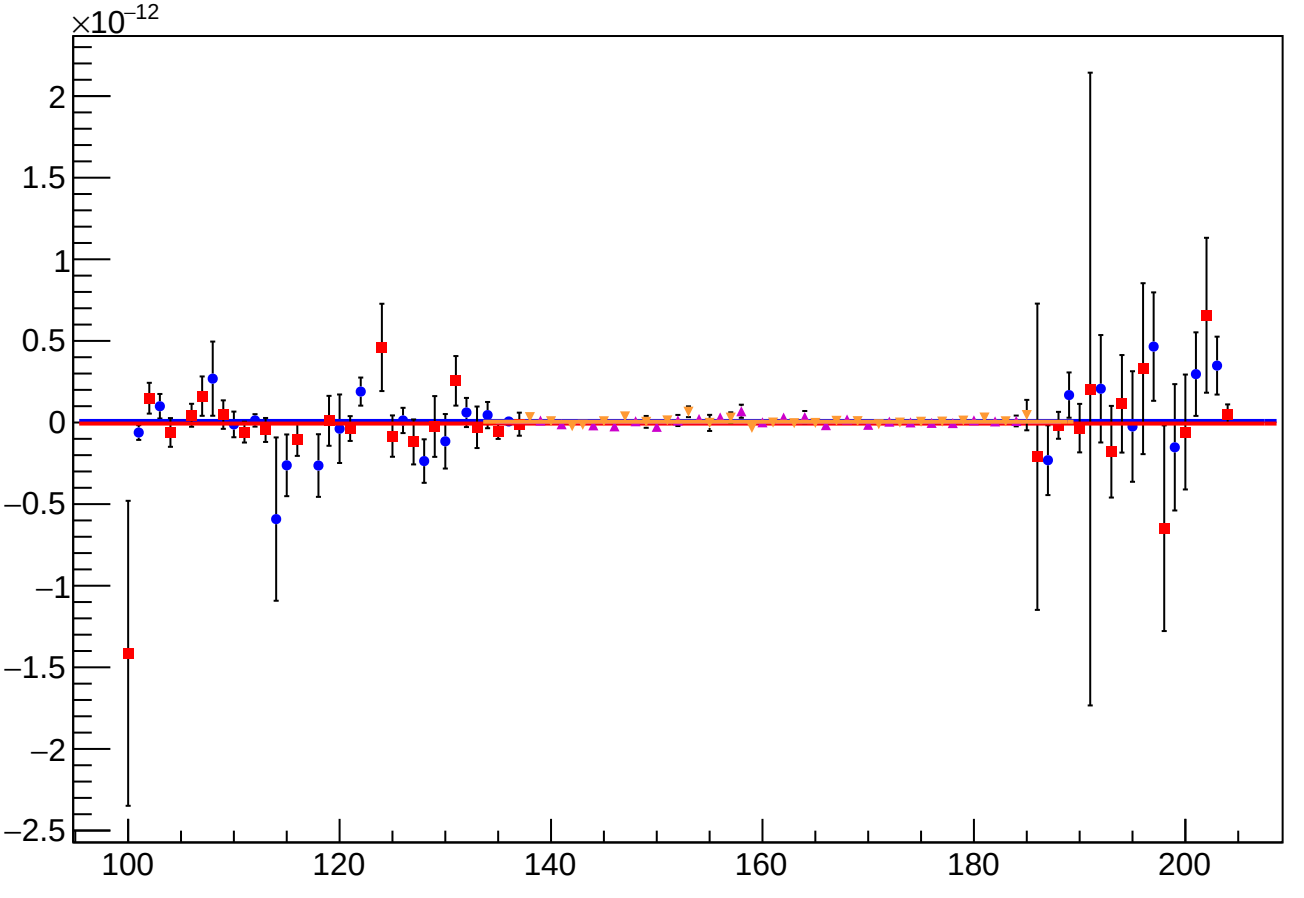
Left: 547.627+/-0.065 χ^2/NDF: 3869252.6/47

Right: 1180.603+/-0.170 χ^2/NDF: 8562608.5/53

In: 622.757+/-0.087 χ^2/NDF:11006963.4/46

Out: 633.810+/-0.085 χ^2/NDF:13506742.6/54

All: 628.393+/-0.061 χ^2/NDF: 24521982.7/10



Right In: 0.000+/-0.000 χ^2/NDF: 29.7/23

Left Out: 0.000+/-0.000 χ^2/NDF:15.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 23.6/29

Left In: 0.000+/-0.000 χ^2/NDF:20.0/22

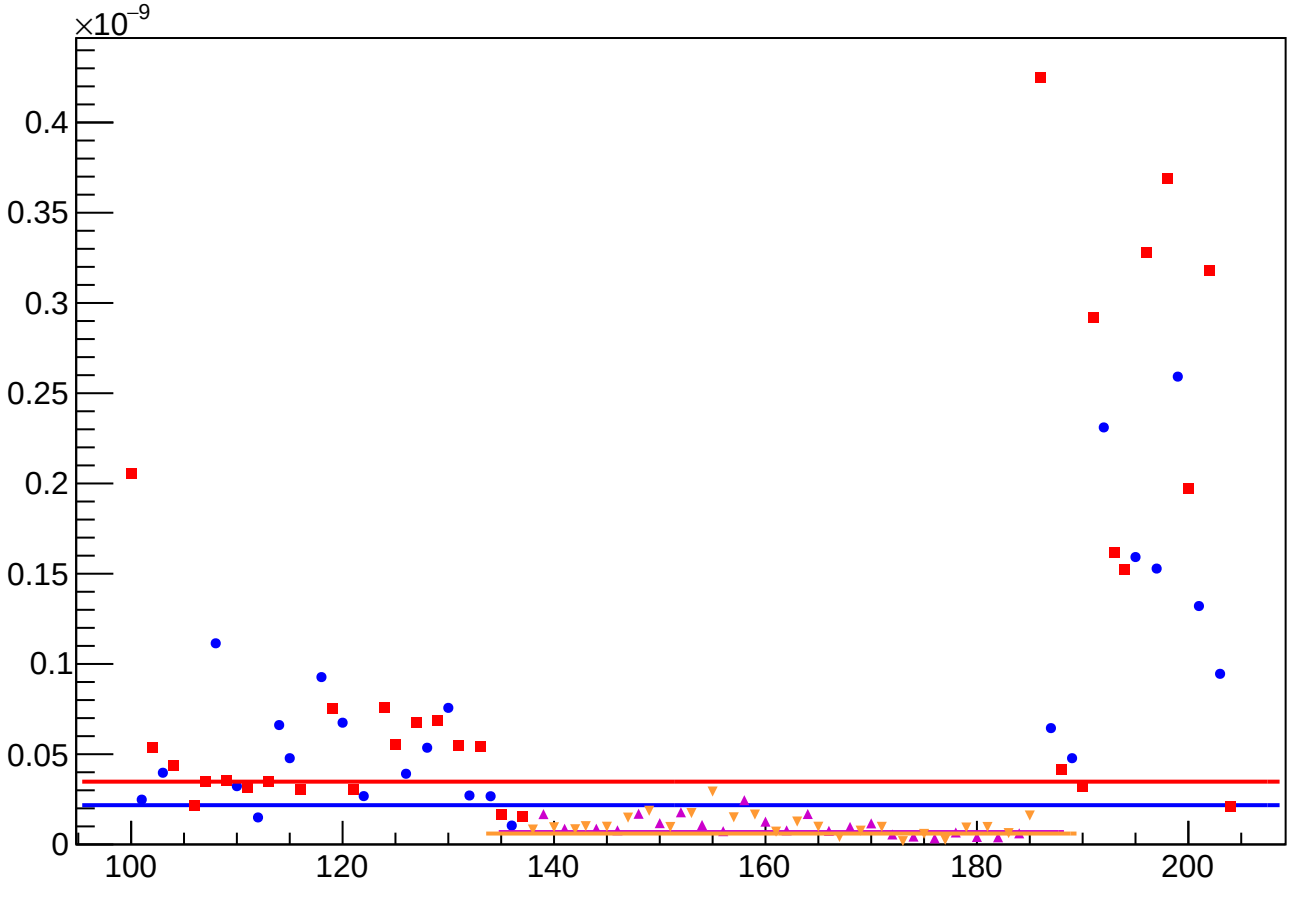
Left: 0.000+/-0.000 χ^2/NDF: 35.9/47

Right: 0.000+/-0.000 χ^2/NDF: 53.7/53

In: 0.000+/-0.000 χ^2/NDF:49.9/46

Out: 0.000+/-0.000 χ^2/NDF:39.6/54

All: 0.000+/-0.000 χ^2/NDF: 89.6/101



Right In: 0.000+/-0.000 χ^2/NDF: 5100140.1/23

Left Out: 0.000+/-0.000 χ^2/NDF:3623754.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4751331.8/29

Left In: 0.000+/-0.000 χ^2/NDF:2417942.7/22

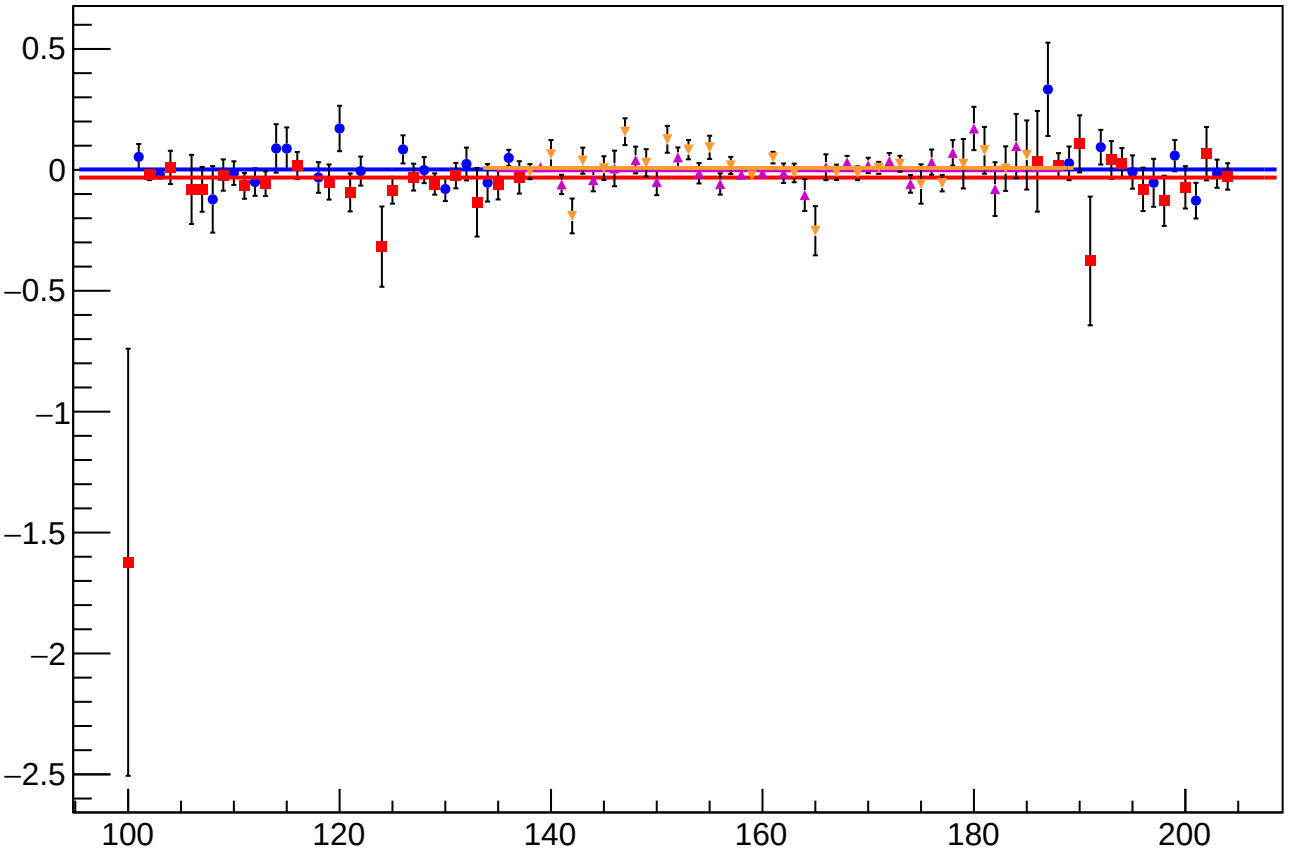
Left: 0.000+/-0.000 χ^2/NDF: 6106655.5/47

Right: 0.000+/-0.000 χ^2/NDF: 10464788.0/53

In: 0.000+/-0.000 χ^2/NDF:9599589.9/46

Out: 0.000+/-0.000 χ^2/NDF:12955231.5/54

All: 0.000+/-0.000 χ^2/NDF: 22630193.1/101



Right In: 0.002+/-0.011 χ^2/NDF: 25.5/23

Left Out: 0.008+/-0.008 χ^2/NDF:47.6/24

Right Out: -0.032+/-0.011 χ^2/NDF: 19.6/29

Left In: -0.001+/-0.007 χ^2/NDF:25.1/22

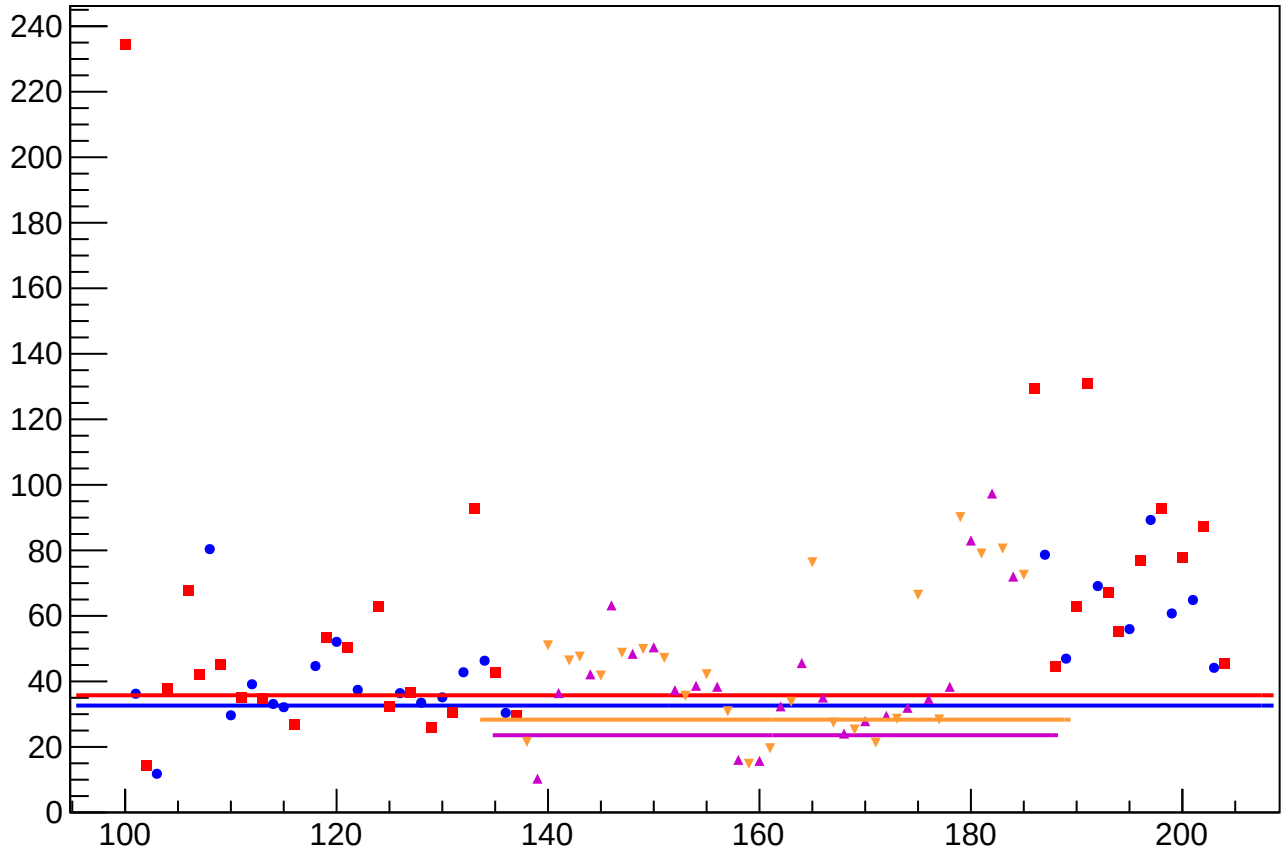
Left: 0.003+/-0.005 χ^2/NDF: 73.6/47

Right: -0.015+/-0.008 χ^2/NDF: 49.6/53

In: -0.001+/-0.006 χ^2/NDF:50.7/46

Out: -0.005+/-0.006 χ^2/NDF:75.7/54

All: -0.002+/-0.004 χ^2/NDF: 126.7/101



Right In: 32.623+/-0.008 χ^2/NDF: 5264459.0/23

Left Out: 28.325+/-0.005 χ^2/NDF:6788307.1/24

Right Out: 35.763+/-0.008 χ^2/NDF: 6357906.5/29

Left In: 23.572+/-0.005 χ^2/NDF:8263833.7/22

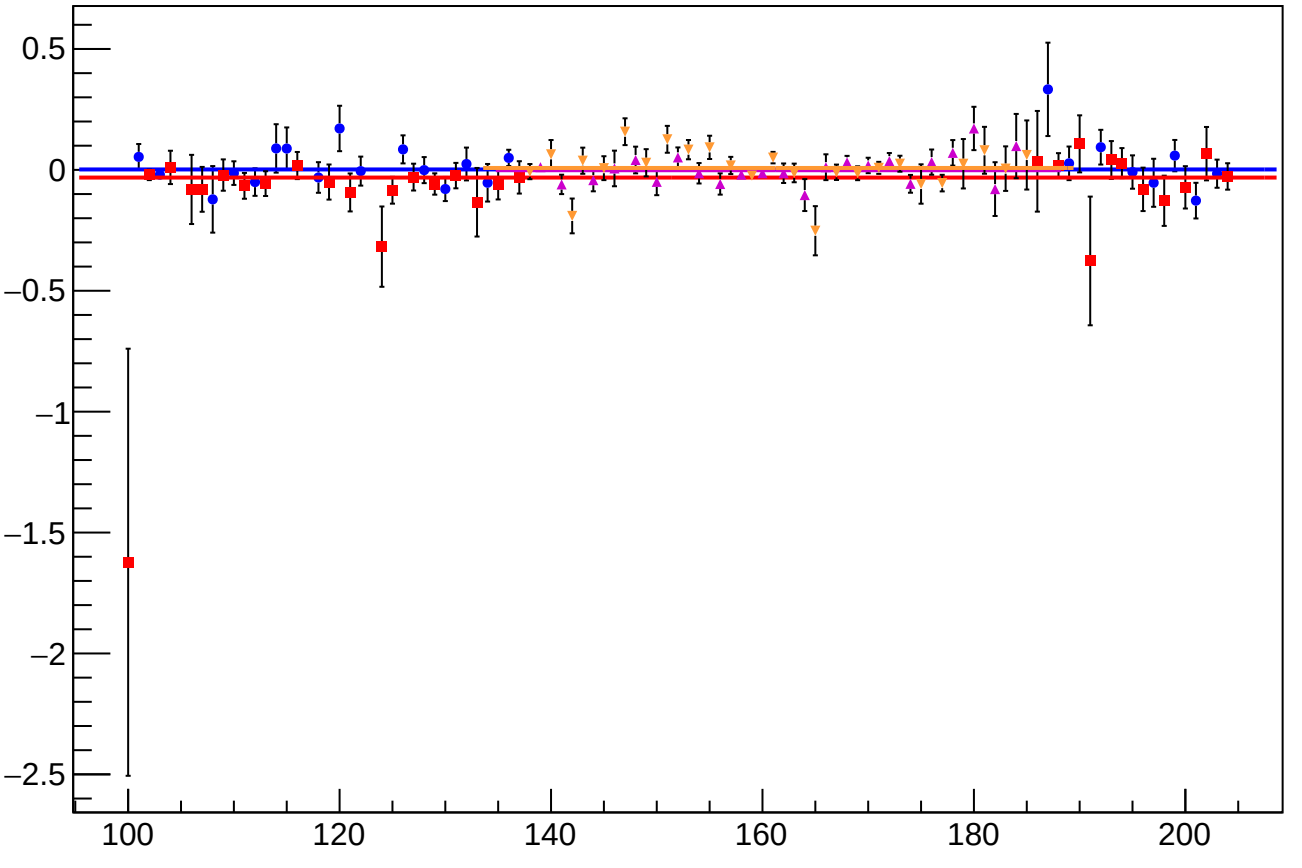
Left: 25.694+/-0.004 χ^2/NDF: 15487591.2/47

Right: 34.154+/-0.006 χ^2/NDF: 11702777.5/53

In: 26.100+/-0.004 χ^2/NDF:14515906.3/46

Out: 30.657+/-0.004 χ^2/NDF:13750636.5/54

All: 28.190+/-0.003 χ^2/NDF: 28837187.4/101



Right In: 0.002+/-0.011 χ^2/NDF: 25.5/23

Left Out: 0.008+/-0.008 χ^2/NDF:47.6/24

Right Out: -0.032+/-0.011 χ^2/NDF: 19.6/29

Left In: -0.001+/-0.007 χ^2/NDF:25.1/22

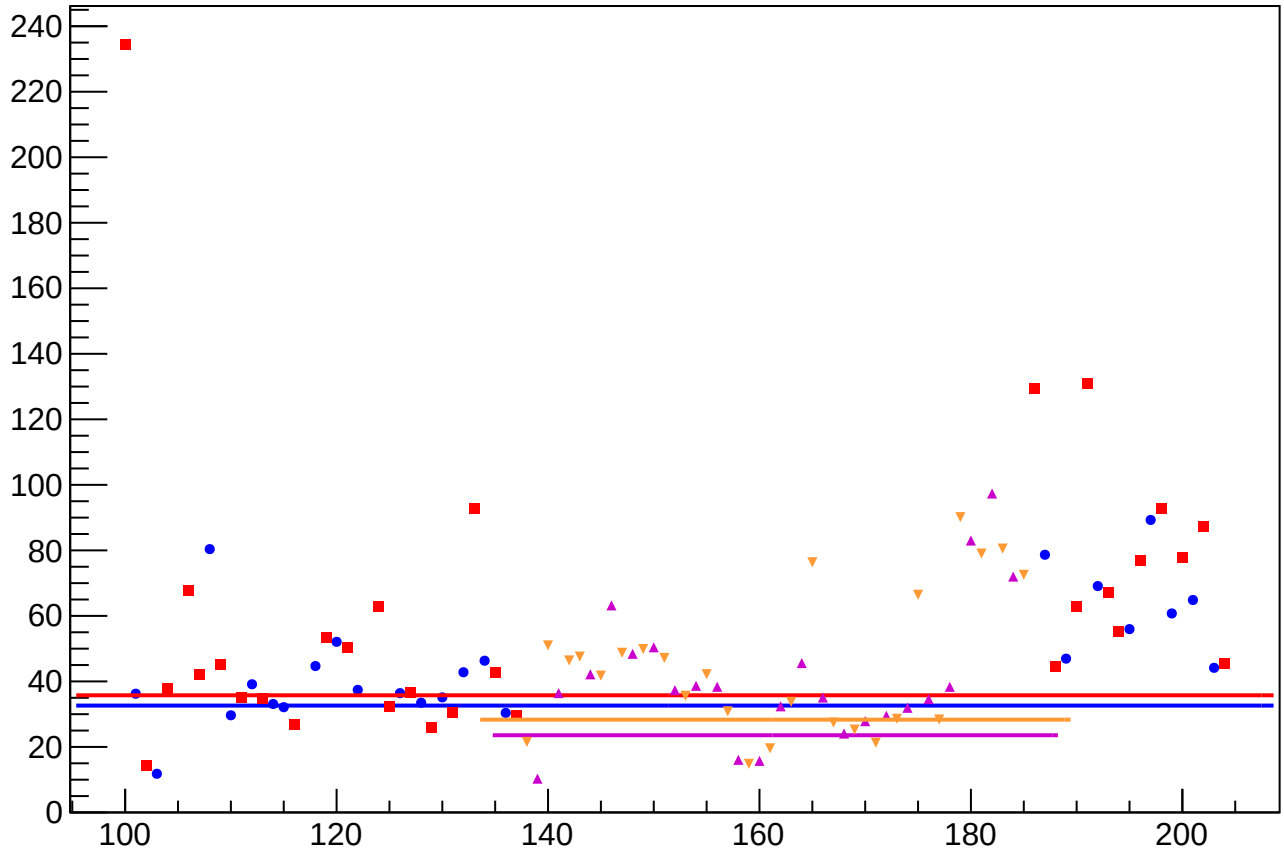
Left: 0.003+/-0.005 χ^2/NDF: 73.6/47

Right: -0.015+/-0.008 χ^2/NDF: 49.6/53

In: -0.001+/-0.006 χ^2/NDF:50.7/46

Out: -0.005+/-0.006 χ^2/NDF:75.7/54

All: -0.002+/-0.004 χ^2/NDF: 126.7/101



Right In: 32.623+/-0.008 χ^2/NDF: 5264459.0/23

Left Out: 28.325+/-0.005 χ^2/NDF:6788307.1/24

Right Out: 35.763+/-0.008 χ^2/NDF: 6357906.5/29

Left In: 23.572+/-0.005 χ^2/NDF:8263833.7/22

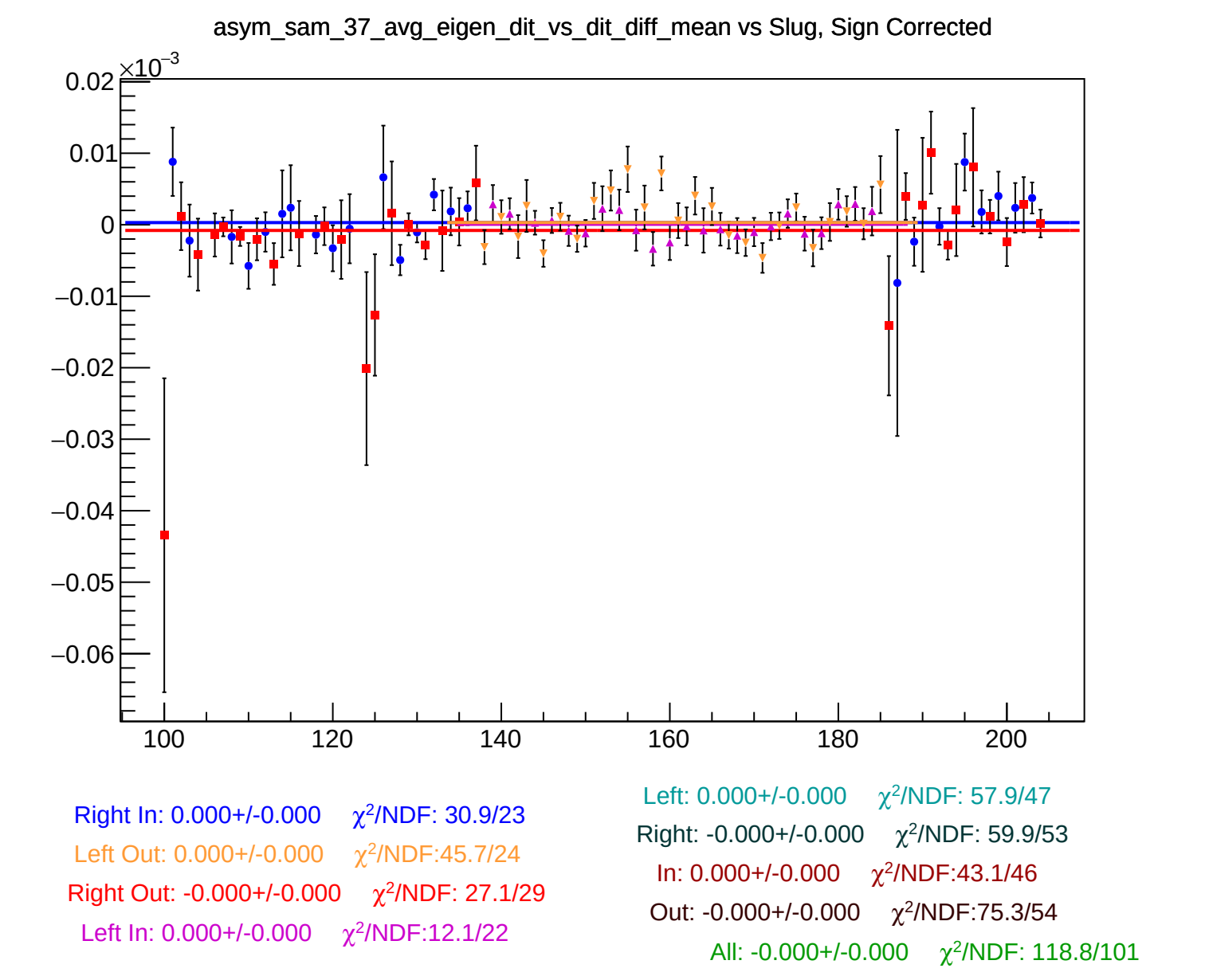
Left: 25.694+/-0.004 χ^2/NDF: 15487591.2/47

Right: 34.154+/-0.006 χ^2/NDF: 11702777.5/53

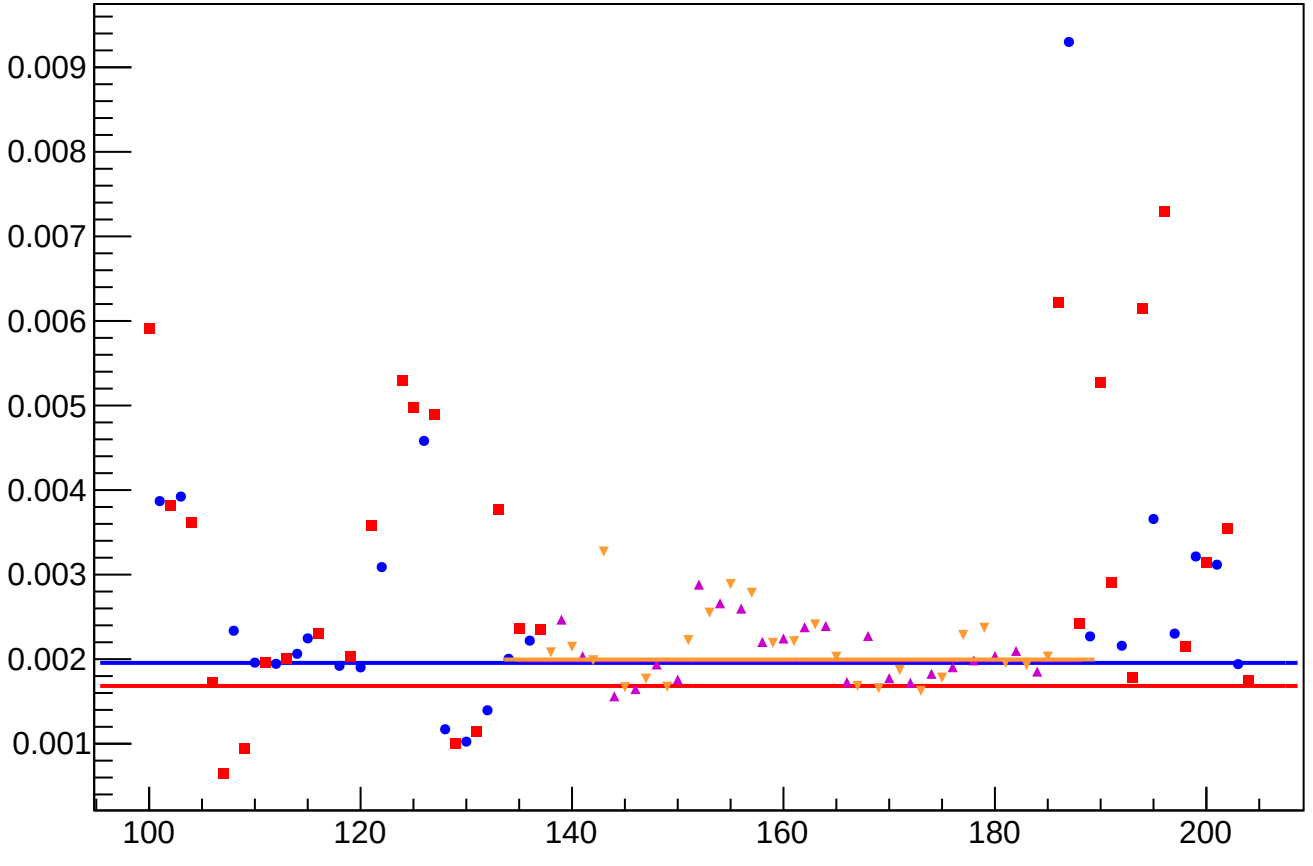
In: 26.100+/-0.004 χ^2/NDF:14515906.3/46

Out: 30.657+/-0.004 χ^2/NDF:13750636.5/54

All: 28.190+/-0.003 χ^2/NDF: 28837187.4/101


asym_sam_37_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.02
0.01
0
−0.01
−0.02
−0.03
−0.04
−0.05
−0.06
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 30.9/23
Left Out: 0.000+/-0.000 χ²/NDF:45.7/24
Right Out: -0.000+/-0.000 χ²/NDF: 27.1/29
Left In: 0.000+/-0.000 χ²/NDF:12.1/22
Left: 0.000+/-0.000 χ²/NDF: 57.9/47
Right: -0.000+/-0.000 χ²/NDF: 59.9/53
In: 0.000+/-0.000 χ²/NDF:43.1/46
Out: -0.000+/-0.000 χ²/NDF:75.3/54
All: -0.000+/-0.000 χ²/NDF: 118.8/101

asym_sam_37_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 3481502.5/23

Left Out: 0.002+/-0.000 χ^2/NDF:1173308.8/24

Right Out: 0.002+/-0.000 χ^2/NDF: 8491439.2/29

Left In: 0.002+/-0.000 χ^2/NDF:924009.7/22

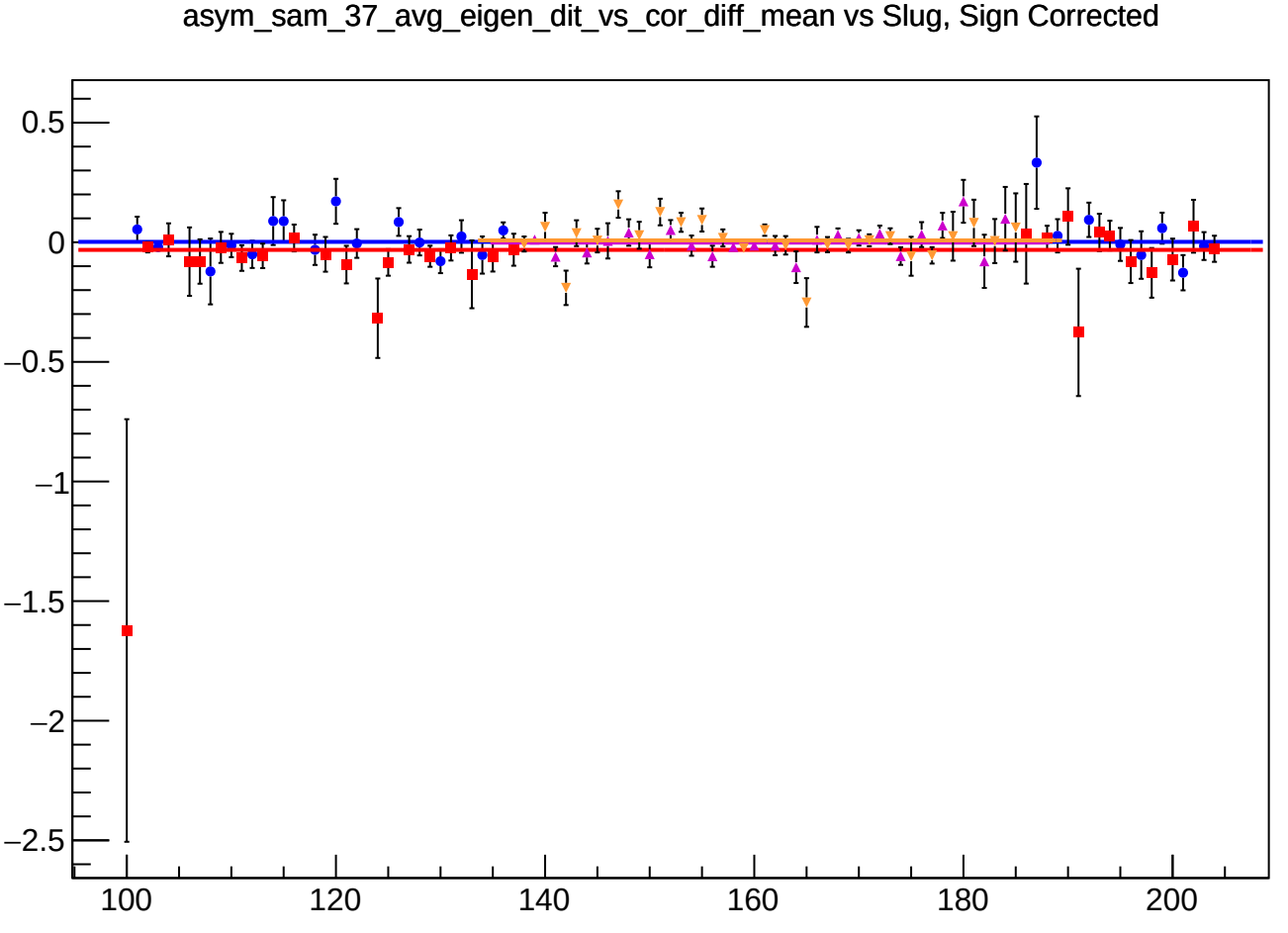
Left: 0.002+/-0.000 χ^2/NDF: 2097693.3/47

Right: 0.002+/-0.000 χ^2/NDF: 12207287.7/53

In: 0.002+/-0.000 χ^2/NDF:4408773.0/46

Out: 0.002+/-0.000 χ^2/NDF:10068506.8/54

All: 0.002+/-0.000 χ^2/NDF: 14584270.8/101



Right In: 0.002+/-0.011 χ^2/NDF: 25.5/23

Left Out: 0.008+/-0.008 χ^2/NDF:47.6/24

Right Out: -0.032+/-0.011 χ^2/NDF: 19.5/29

Left In: -0.001+/-0.007 χ^2/NDF:25.1/22

Left: 0.003+/-0.005 χ^2/NDF: 73.6/47

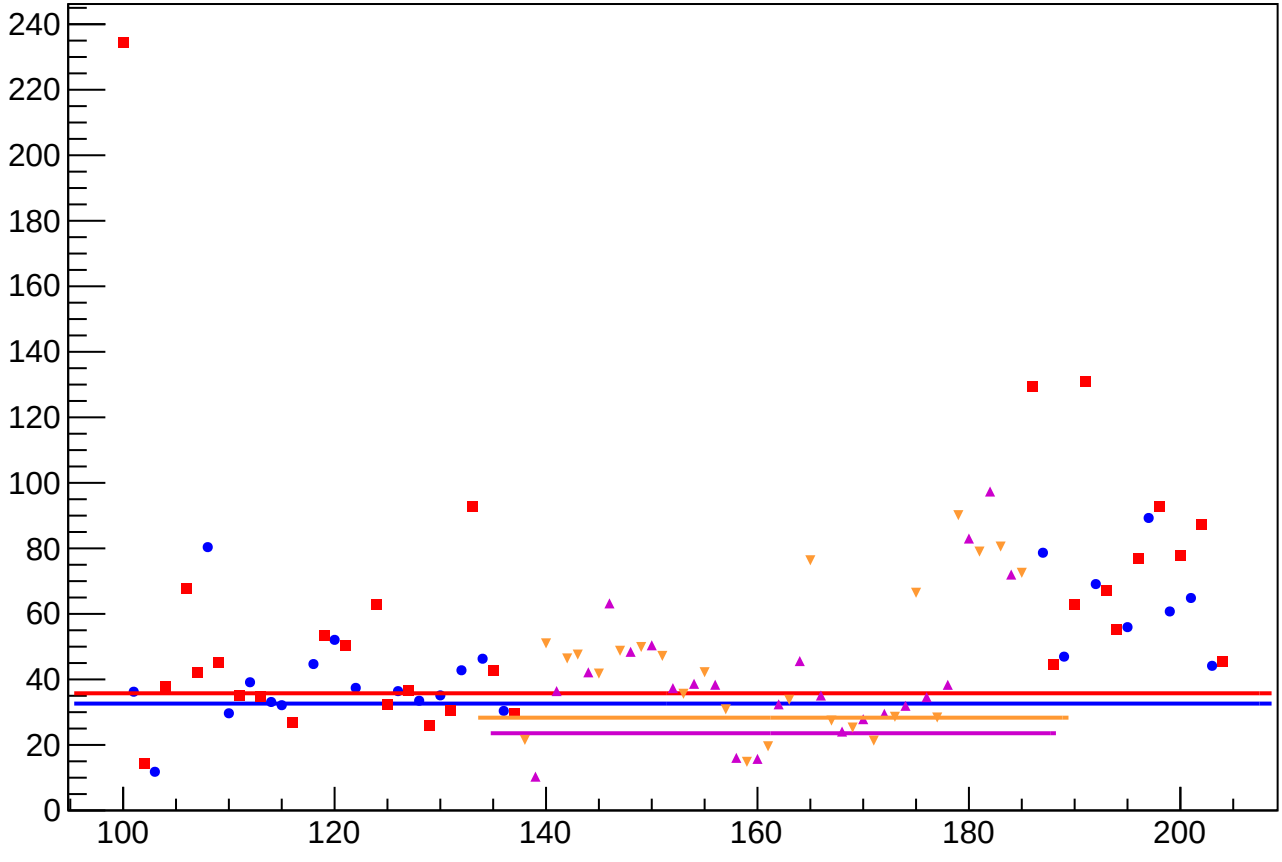
Right: -0.015+/-0.008 χ^2/NDF: 49.6/53

In: -0.001+/-0.006 χ^2/NDF:50.7/46

Out: -0.005+/-0.006 χ^2/NDF:75.7/54

All: -0.002+/-0.004 χ^2/NDF: 126.7/101

asym_sam_37_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 32.622+/-0.008 χ^2/NDF: 5264818.2/23

Left Out: 28.324+/-0.005 χ^2/NDF:6788766.1/24

Right Out: 35.766+/-0.008 χ^2/NDF: 6356786.2/29

Left In: 23.571+/-0.005 χ^2/NDF:8264891.4/22

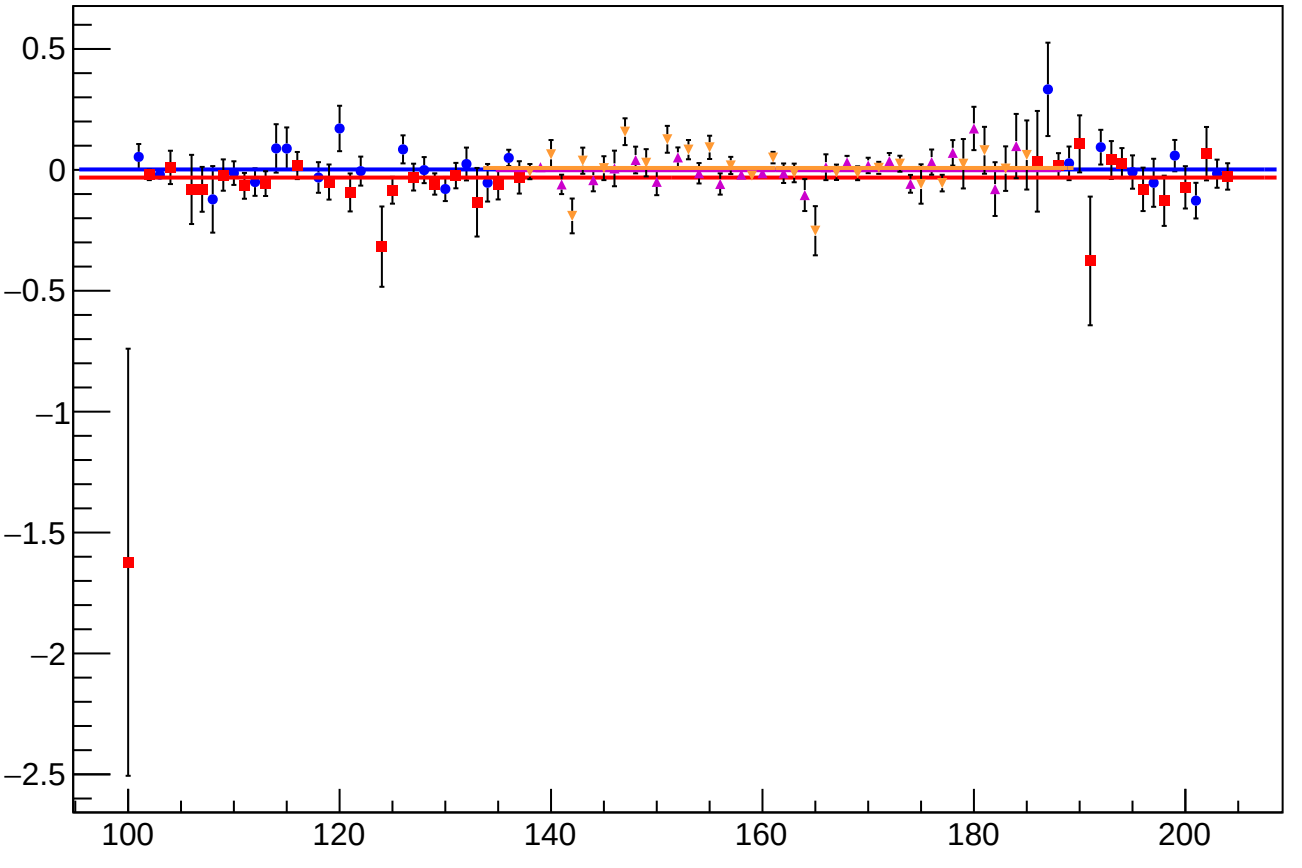
Left: 25.694+/-0.004 χ^2/NDF: 15489262.5/47

Right: 34.155+/-0.006 χ^2/NDF: 11702194.9/53

In: 26.099+/-0.004 χ^2/NDF:14517429.7/46

Out: 30.658+/-0.004 χ^2/NDF:13750450.1/54

All: 28.190+/-0.003 χ^2/NDF: 28838919.6/101



Right In: 0.002+/-0.011 χ^2/NDF: 25.5/23

Left Out: 0.008+/-0.008 χ^2/NDF:47.6/24

Right Out: -0.032+/-0.011 χ^2/NDF: 19.5/29

Left In: -0.001+/-0.007 χ^2/NDF:25.1/22

Left: 0.003+/-0.005 χ^2/NDF: 73.6/47

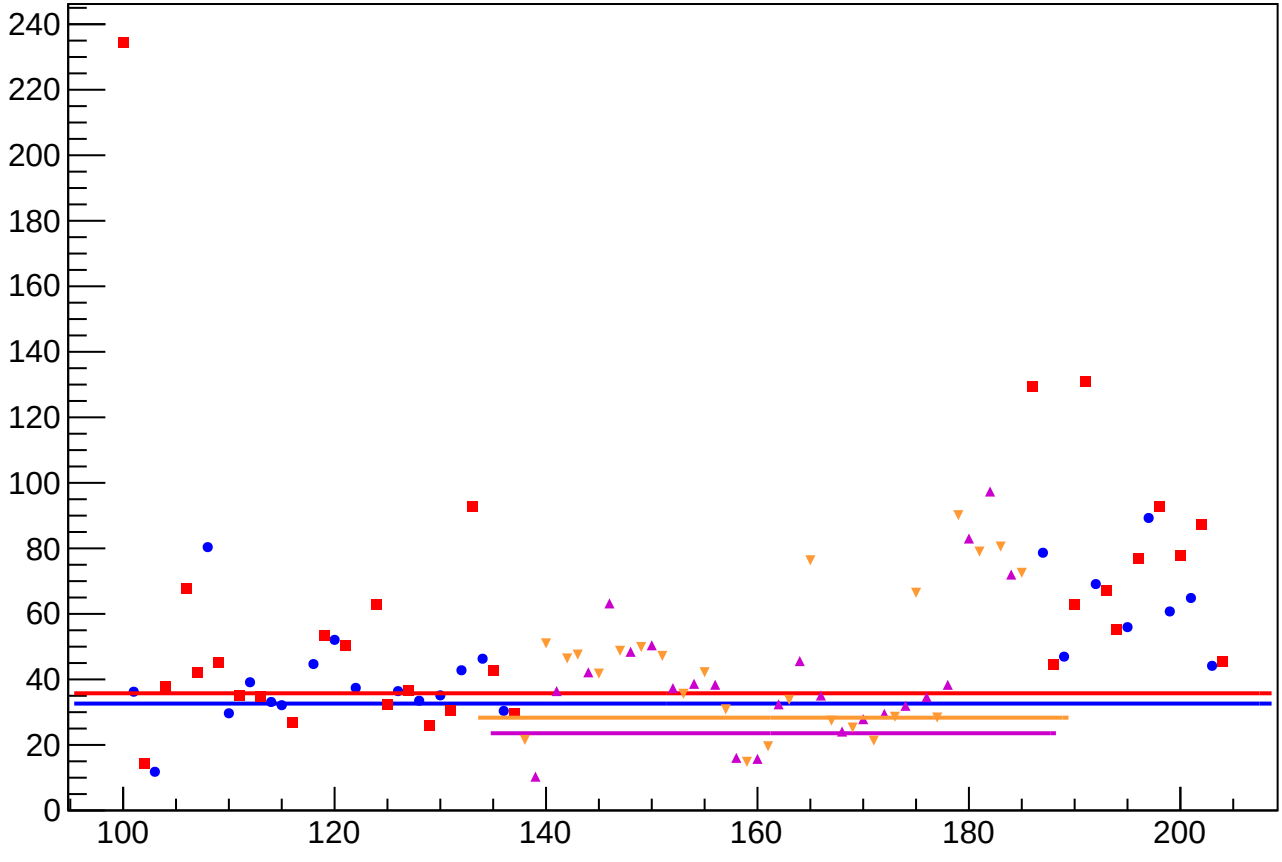
Right: -0.015+/-0.008 χ^2/NDF: 49.6/53

In: -0.001+/-0.006 χ^2/NDF:50.7/46

Out: -0.005+/-0.006 χ^2/NDF:75.7/54

All: -0.002+/-0.004 χ^2/NDF: 126.7/101

asym_sam_37_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 32.622+/-0.008 χ^2/NDF: 5264818.2/23

Left Out: 28.324+/-0.005 χ^2/NDF:6788766.1/24

Right Out: 35.766+/-0.008 χ^2/NDF: 6356786.2/29

Left In: 23.571+/-0.005 χ^2/NDF:8264891.4/22

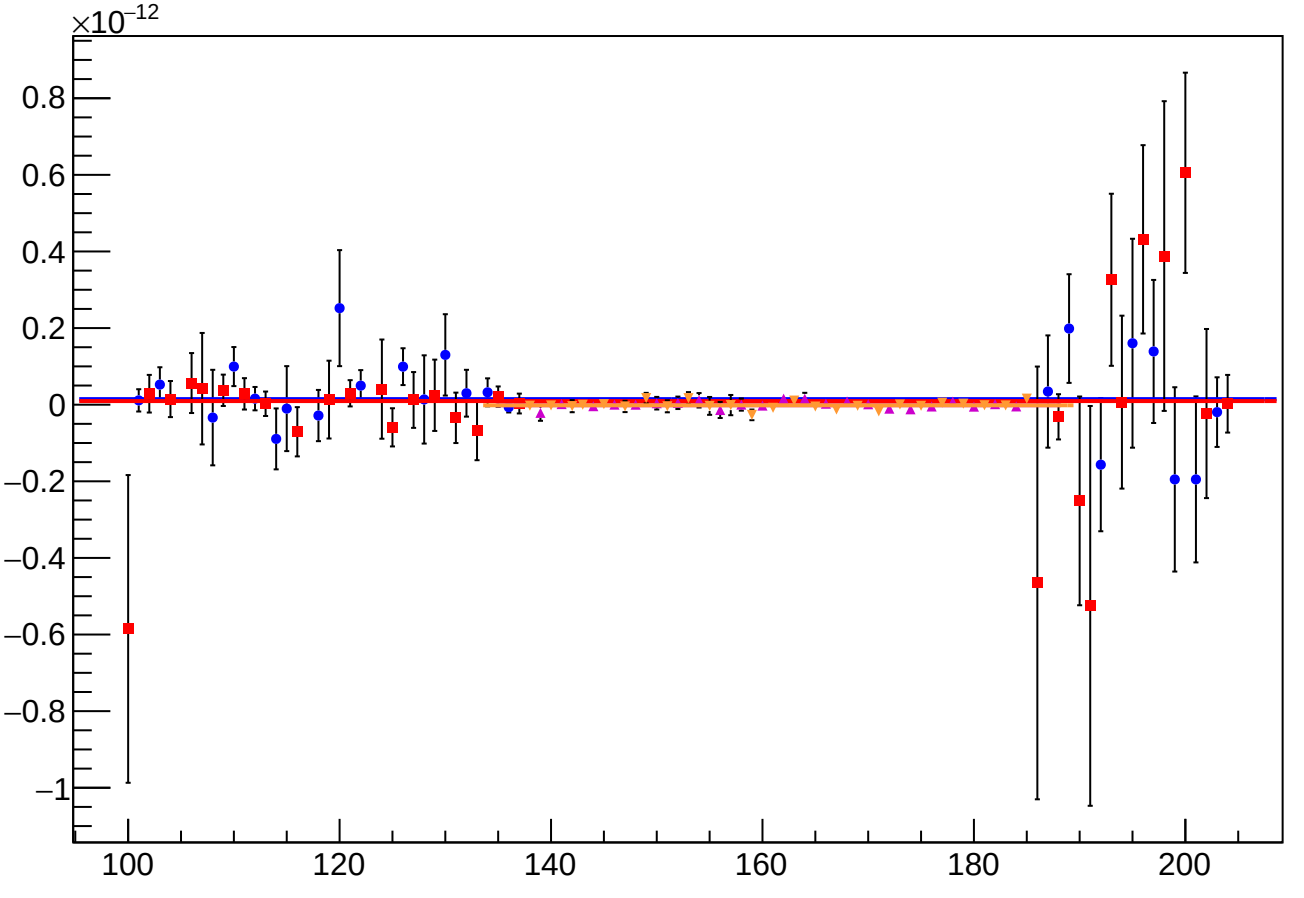
Left: 25.694+/-0.004 χ^2/NDF: 15489262.5/47

Right: 34.155+/-0.006 χ^2/NDF: 11702194.9/53

In: 26.099+/-0.004 χ^2/NDF:14517429.7/46

Out: 30.658+/-0.004 χ^2/NDF:13750450.1/54

All: 28.190+/-0.003 χ^2/NDF: 28838919.6/101



Right In: 0.000+/-0.000 χ^2/NDF: 21.2/23

Left Out: -0.000+/-0.000 χ^2/NDF:17.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 23.2/29

Left In: -0.000+/-0.000 χ^2/NDF:15.9/22

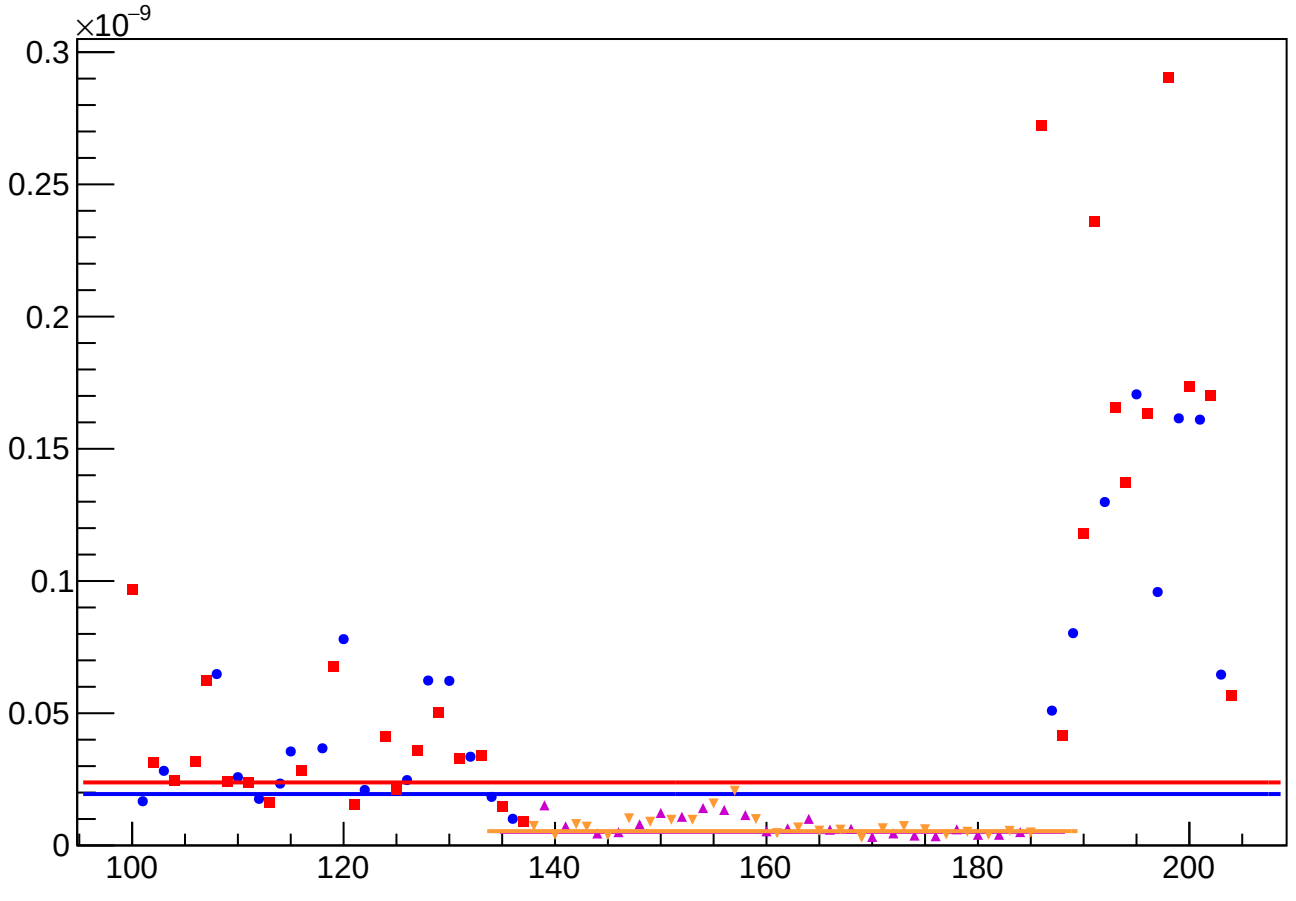
Left: -0.000+/-0.000 χ^2/NDF: 33.5/47

Right: 0.000+/-0.000 χ^2/NDF: 44.5/53

In: -0.000+/-0.000 χ^2/NDF:39.9/46

Out: -0.000+/-0.000 χ^2/NDF:41.8/54

All: -0.000+/-0.000 χ^2/NDF: 81.8/101



Right In: 0.000+/-0.000 χ^2/NDF: 6802577.5/23

Left Out: 0.000+/-0.000 χ^2/NDF:3068356.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7982702.1/29

Left In: 0.000+/-0.000 χ^2/NDF:3390855.0/22

Left: 0.000+/-0.000 χ^2/NDF: 6479218.4/47

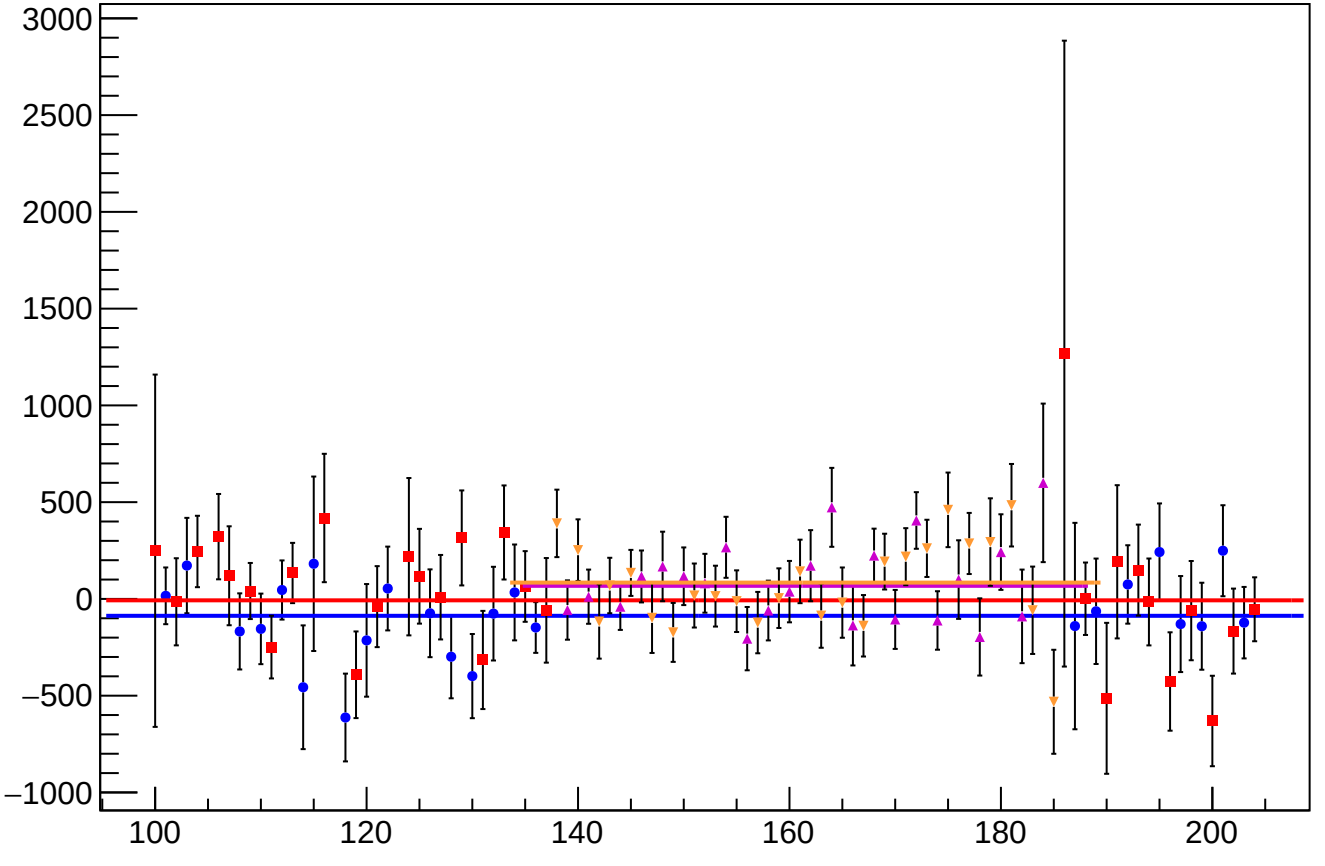
Right: 0.000+/-0.000 χ^2/NDF: 14982065.4/53

In: 0.000+/-0.000 χ^2/NDF:14732457.2/46

Out: 0.000+/-0.000 χ^2/NDF:17065176.1/54

All: 0.000+/-0.000 χ^2/NDF: 31822613.4/101

reg_asym_sam_48_avg_mean vs Slug, Sign Corrected



Right In: -87.286+/-43.702 χ^2/NDF: 18.4/23

Left Out: 84.324+/-33.036 χ^2/NDF:33.8/24

Right Out: -7.305+/-41.252 χ^2/NDF: 31.7/29

Left In: 67.646+/-34.137 χ^2/NDF:26.5/22

Left: 76.258+/-23.739 χ^2/NDF: 60.5/47

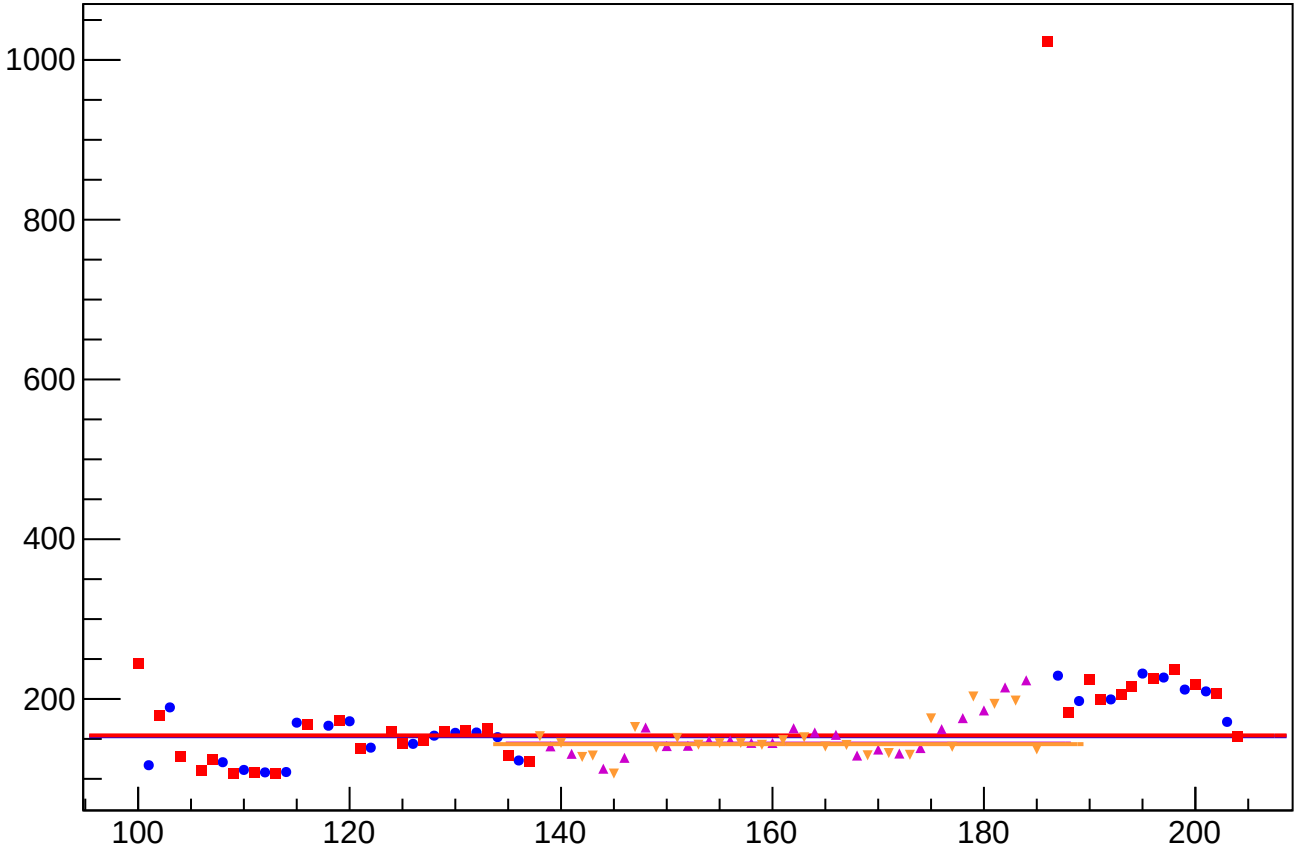
Right: -44.991+/-29.999 χ^2/NDF: 51.9/53

In: 8.936+/-26.902 χ^2/NDF:52.7/46

Out: 48.522+/-25.786 χ^2/NDF:68.6/54

All: 29.567+/-18.616 χ^2/NDF: 122.4/101

reg_asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 153.359+/-0.031 χ^2/NDF: 1515813.2/23

Left Out: 143.444+/-0.023 χ^2/NDF:747040.9/24

Right Out: 154.368+/-0.029 χ^2/NDF: 2442159.6/29

Left In: 144.170+/-0.024 χ^2/NDF:702713.8/22

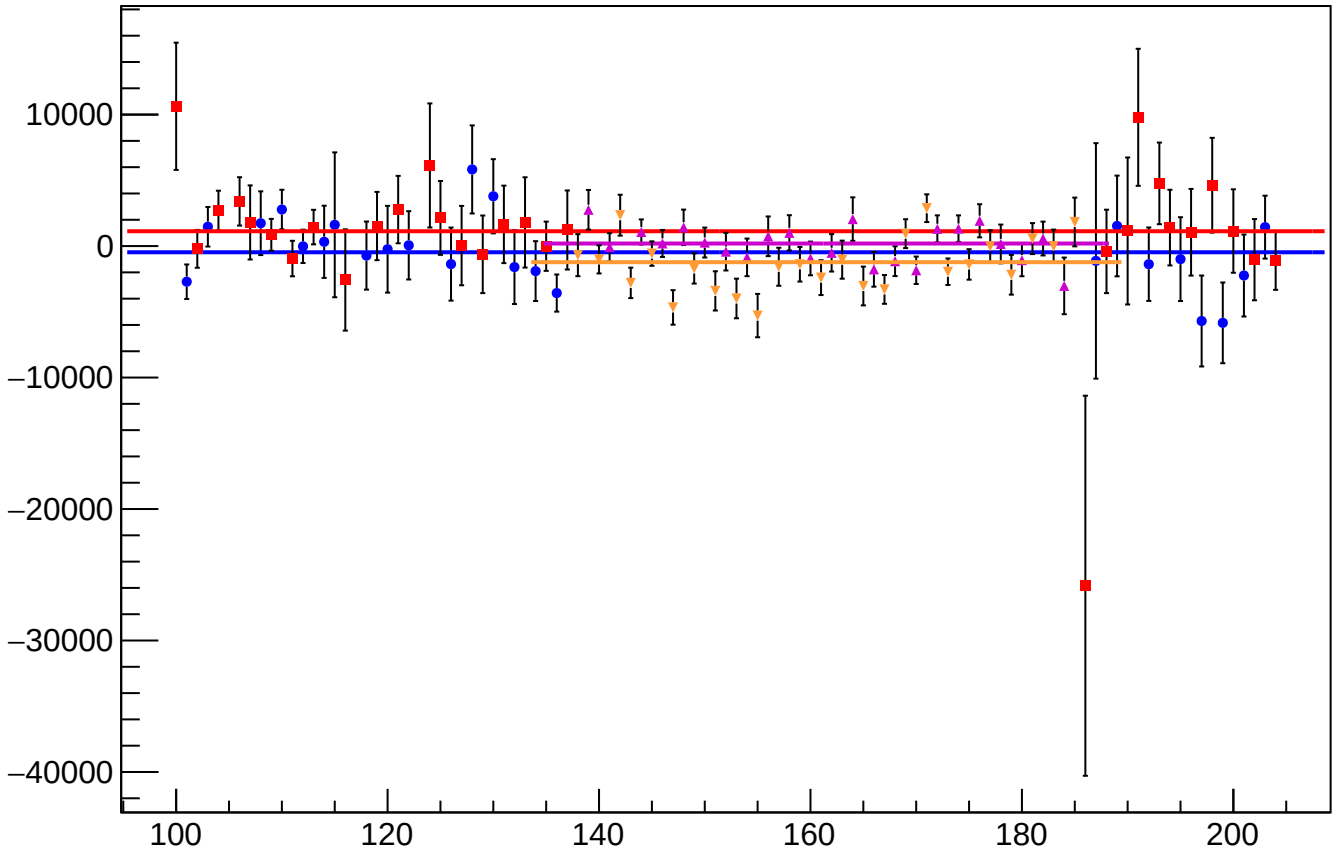
Left: 143.795+/-0.017 χ^2/NDF: 1450223.0/47

Right: 153.892+/-0.021 χ^2/NDF: 3958536.5/53

In: 147.652+/-0.019 χ^2/NDF:2273433.3/46

Out: 147.712+/-0.018 χ^2/NDF:3274651.2/54

All: 147.683+/-0.013 χ^2/NDF: 5548089.6/101



Right In: -471.179+/-458.724 χ^2/NDF: 28.5/23

Left Out: -1225.049+/-251.767 χ^2/NDF:59.3/24

Right Out: 1128.859+/-425.316 χ^2/NDF: 23.7/29

Left In: 193.805+/-258.922 χ^2/NDF:23.3/22

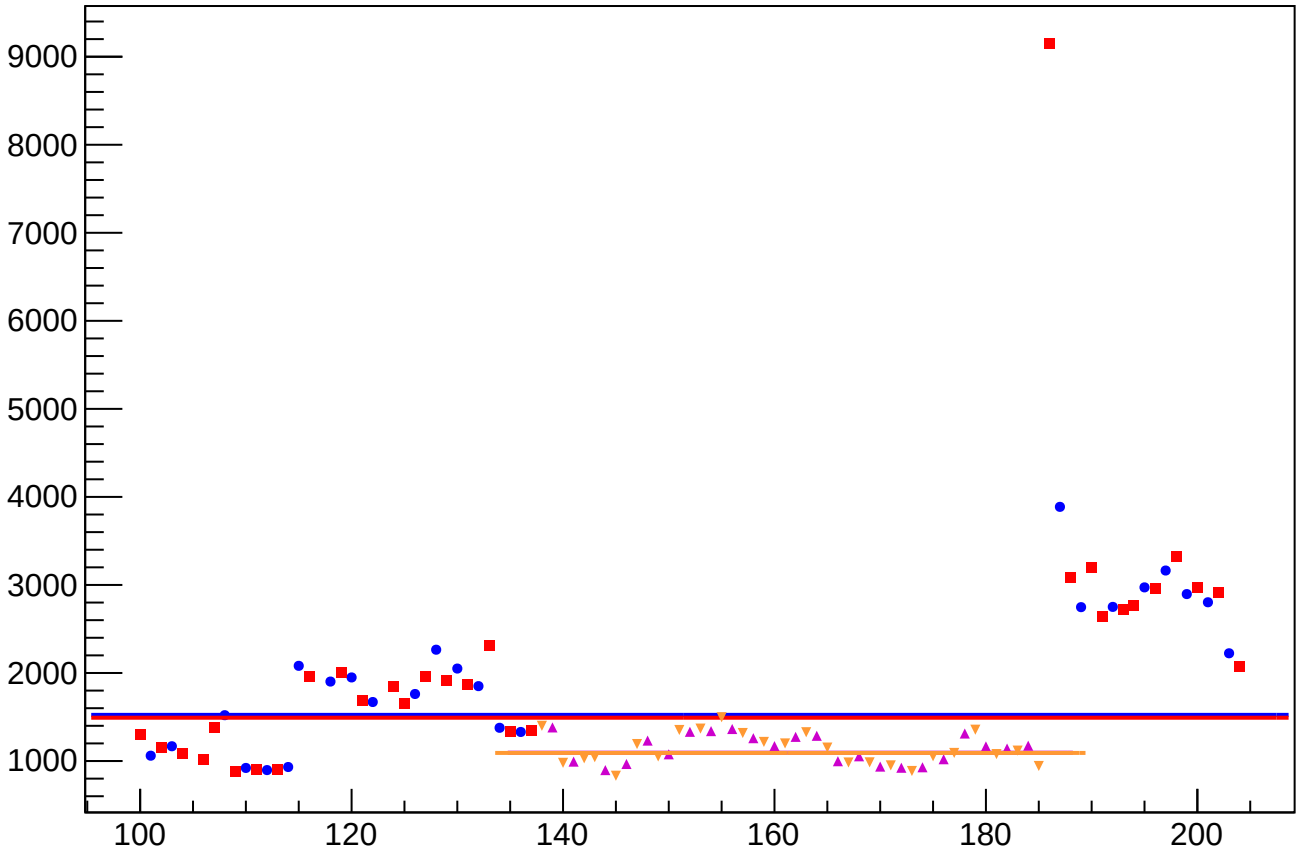
Left: -535.495+/-180.503 χ^2/NDF: 98.0/47

Right: 389.220+/-311.886 χ^2/NDF: 58.7/53

In: 33.135+/-225.483 χ^2/NDF:53.4/46

Out: -614.249+/-216.654 χ^2/NDF:105.6/54

All: -303.479+/-156.225 χ^2/NDF: 163.3/101



Right In: 1524.315+/-0.324 χ^2/NDF: 4121998.7/23

Left Out: 1091.980+/-0.178 χ^2/NDF:892442.4/24

Right Out: 1491.886+/-0.301 χ^2/NDF: 6040541.1/29

Left In: 1094.478+/-0.183 χ^2/NDF:732975.2/22

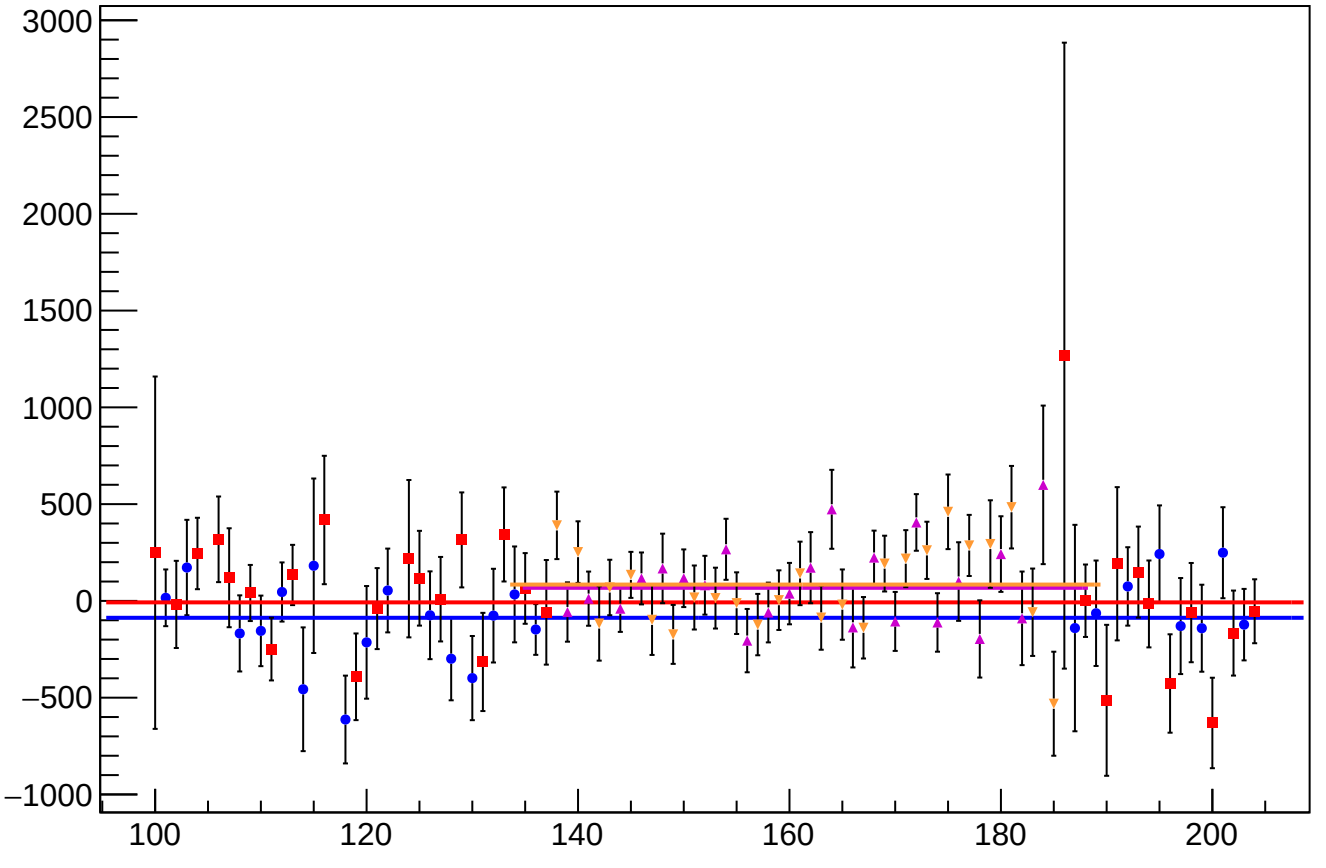
Left: 1093.194+/-0.128 χ^2/NDF: 1625513.3/47

Right: 1506.877+/-0.221 χ^2/NDF: 10167914.8/53

In: 1198.333+/-0.159 χ^2/NDF:6186727.4/46

Out: 1195.749+/-0.153 χ^2/NDF:8242339.3/54

All: 1196.989+/-0.110 χ^2/NDF: 14429203.4/



Right In: -87.293+/-43.702 χ^2/NDF: 18.4/23

Left Out: 84.338+/-33.036 χ^2/NDF:33.8/24

Right Out: -7.612+/-41.257 χ^2/NDF: 31.7/29

Left In: 67.648+/-34.137 χ^2/NDF:26.5/22

Left: 76.266+/-23.739 χ^2/NDF: 60.5/47

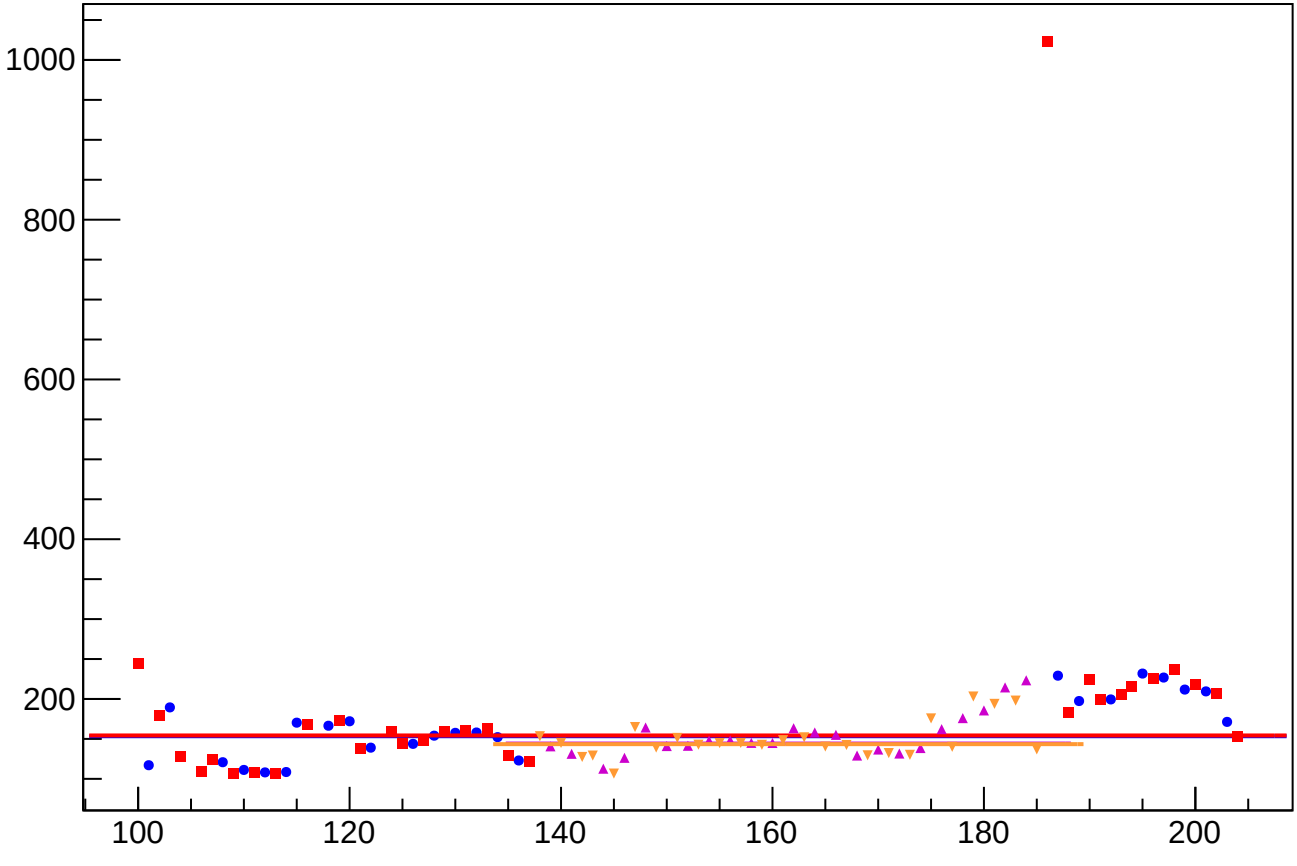
Right: -45.161+/-30.001 χ^2/NDF: 51.8/53

In: 8.935+/-26.902 χ^2/NDF:52.7/46

Out: 48.416+/-25.787 χ^2/NDF:68.5/54

All: 29.510+/-18.616 χ^2/NDF: 122.3/101

cor_asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 153.359+/-0.031 χ^2/NDF: 1515815.5/23

Left Out: 143.444+/-0.023 χ^2/NDF:747040.9/24

Right Out: 154.324+/-0.029 χ^2/NDF: 2447641.6/29

Left In: 144.170+/-0.024 χ^2/NDF:702713.8/22

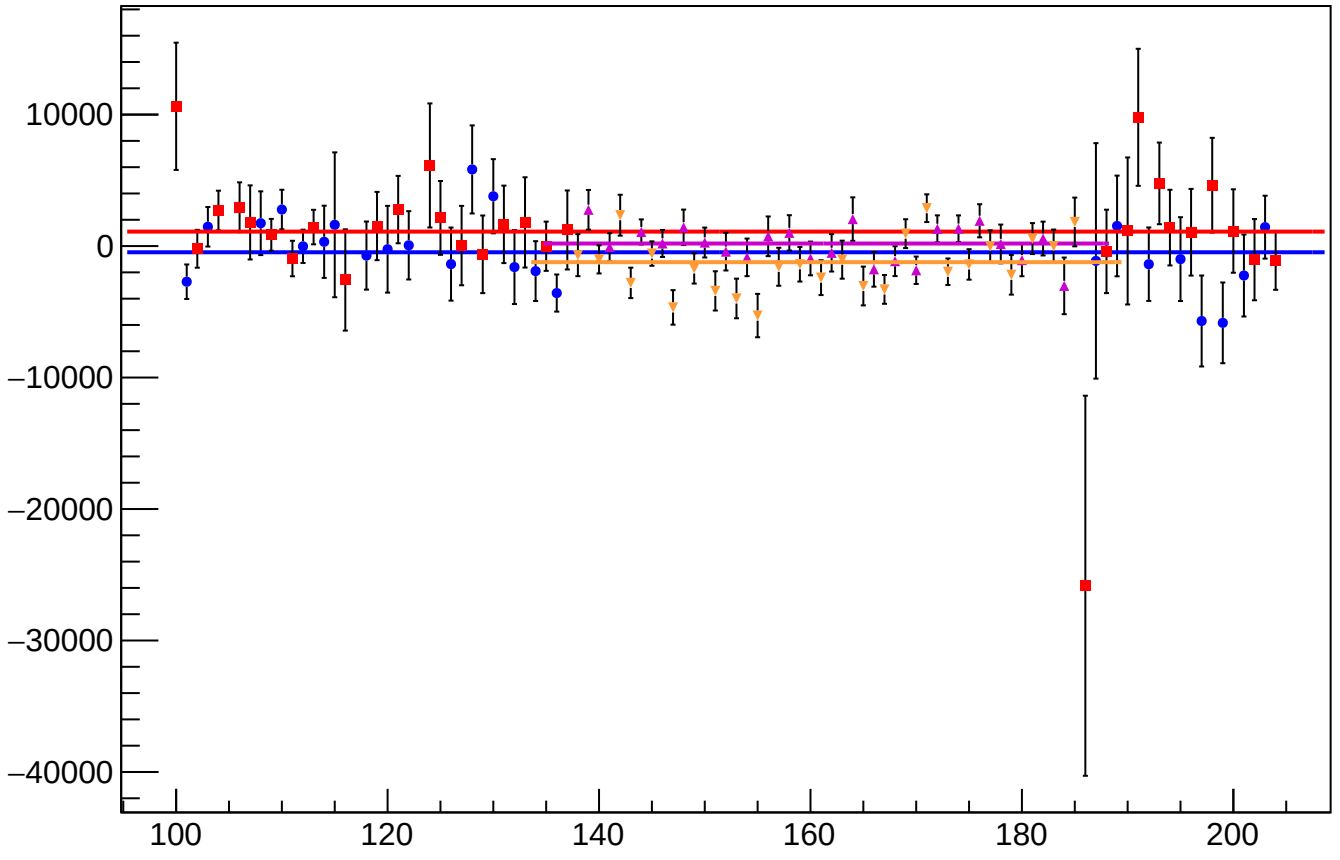
Left: 143.795+/-0.017 χ^2/NDF: 1450223.1/47

Right: 153.869+/-0.021 χ^2/NDF: 3963972.4/53

In: 147.652+/-0.019 χ^2/NDF:2273435.9/46

Out: 147.694+/-0.018 χ^2/NDF:3279431.8/54

All: 147.674+/-0.013 χ^2/NDF: 5552870.2/101



Right In: -471.238+/-458.728 χ^2/NDF: 28.5/23

Left Out: -1225.031+/-251.767 χ^2/NDF:59.3/24

Right Out: 1099.787+/-426.007 χ^2/NDF: 23.1/29

Left In: 193.808+/-258.922 χ^2/NDF:23.3/22

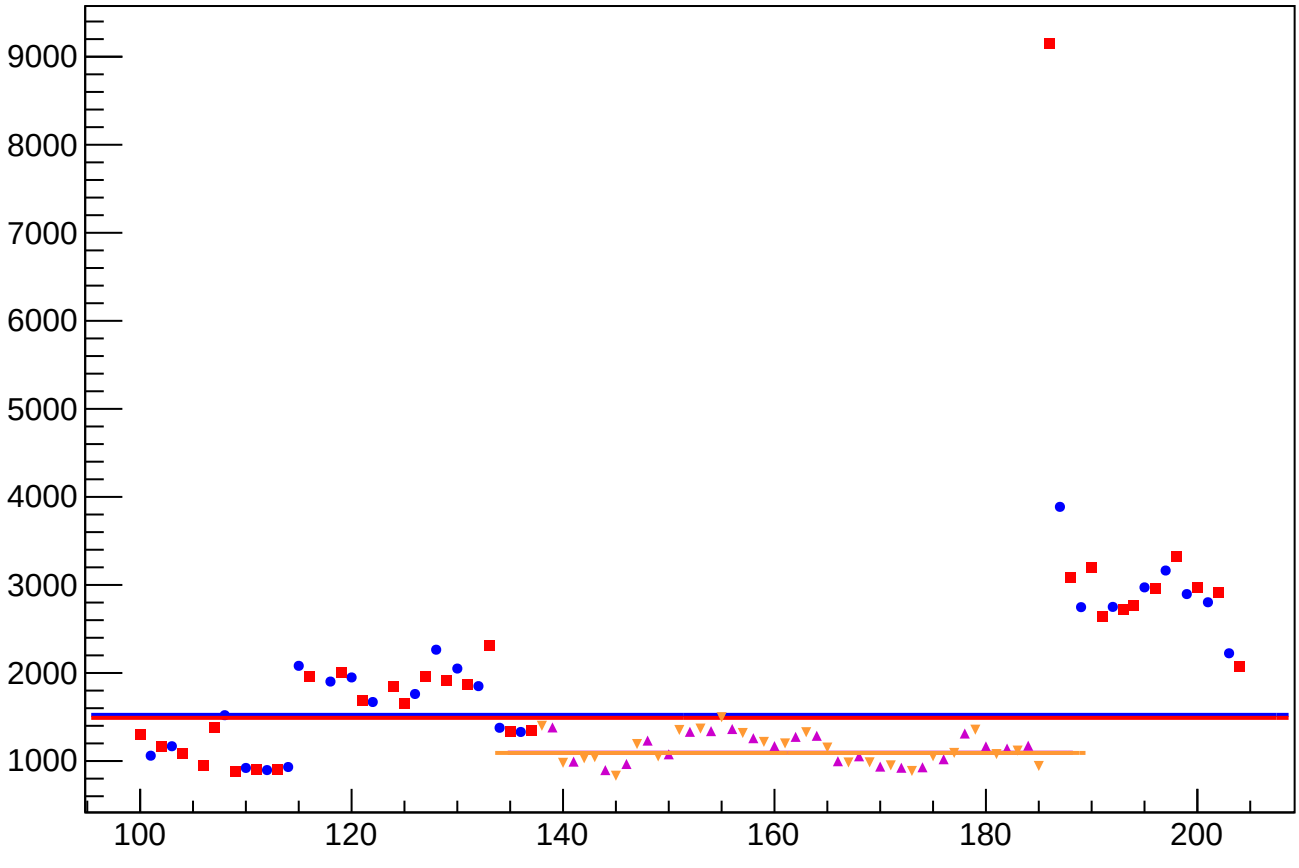
Left: -535.485+/-180.503 χ^2/NDF: 98.0/47

Right: 372.297+/-312.160 χ^2/NDF: 57.9/53

In: 33.125+/-225.483 χ^2/NDF:53.4/46

Out: -623.229+/-216.745 χ^2/NDF:104.4/54

All: -308.016+/-156.260 χ^2/NDF: 162.2/101



Right In: 1524.330+/-0.324 χ^2/NDF: 4121914.7/23

Left Out: 1091.979+/-0.178 χ^2/NDF:892441.9/24

Right Out: 1490.346+/-0.301 χ^2/NDF: 6067074.3/29

Left In: 1094.479+/-0.183 χ^2/NDF:732975.7/22

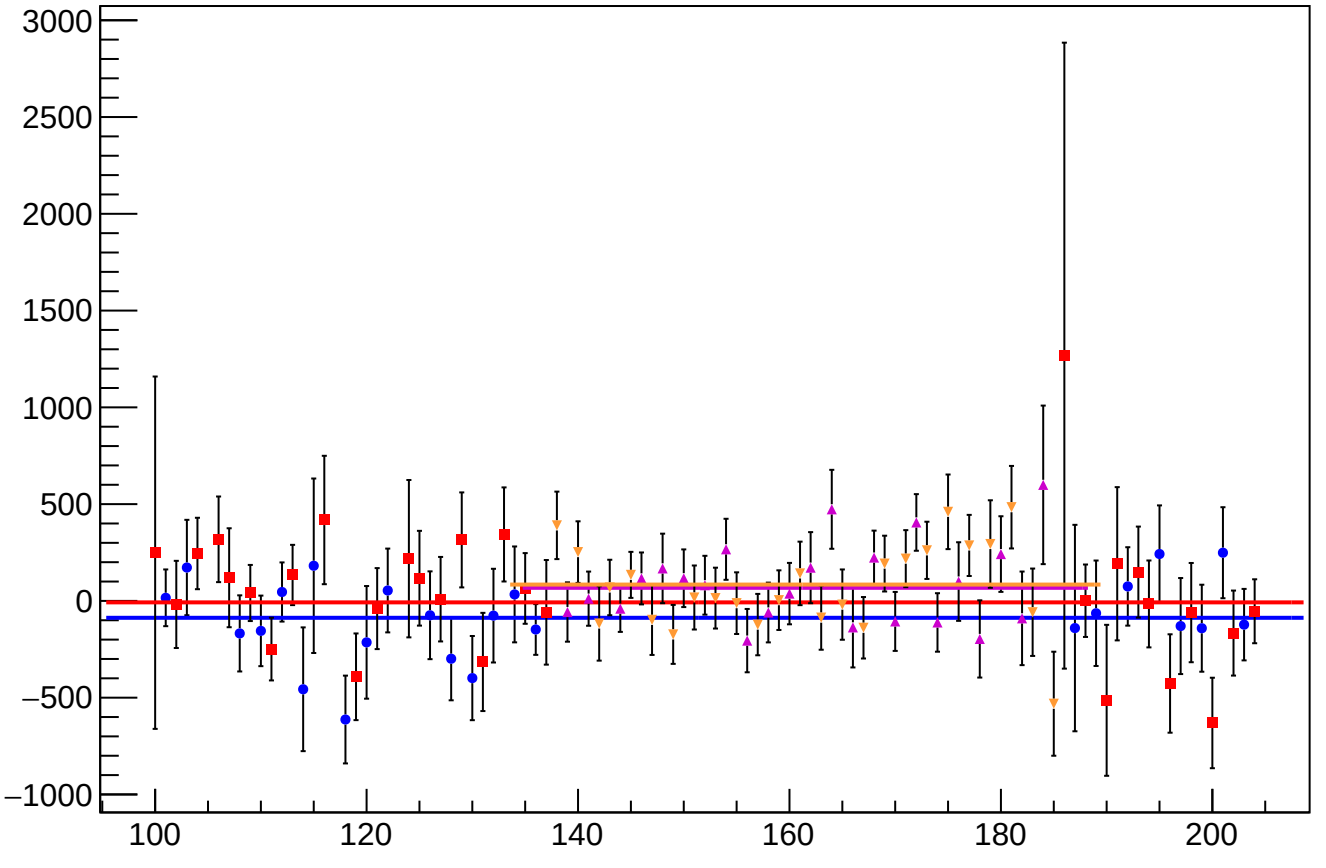
Left: 1093.194+/-0.128 χ^2/NDF: 1625513.3/47

Right: 1506.083+/-0.221 χ^2/NDF: 10194883.0/53

In: 1198.336+/-0.159 χ^2/NDF:6186720.8/46

Out: 1195.100+/-0.153 χ^2/NDF:8255684.0/54

All: 1196.654+/-0.110 χ^2/NDF: 14442618.8/1



Right In: -87.293+/-43.702 χ^2/NDF: 18.4/23

Left Out: 84.338+/-33.036 χ^2/NDF:33.8/24

Right Out: -7.612+/-41.257 χ^2/NDF: 31.7/29

Left In: 67.648+/-34.137 χ^2/NDF:26.5/22

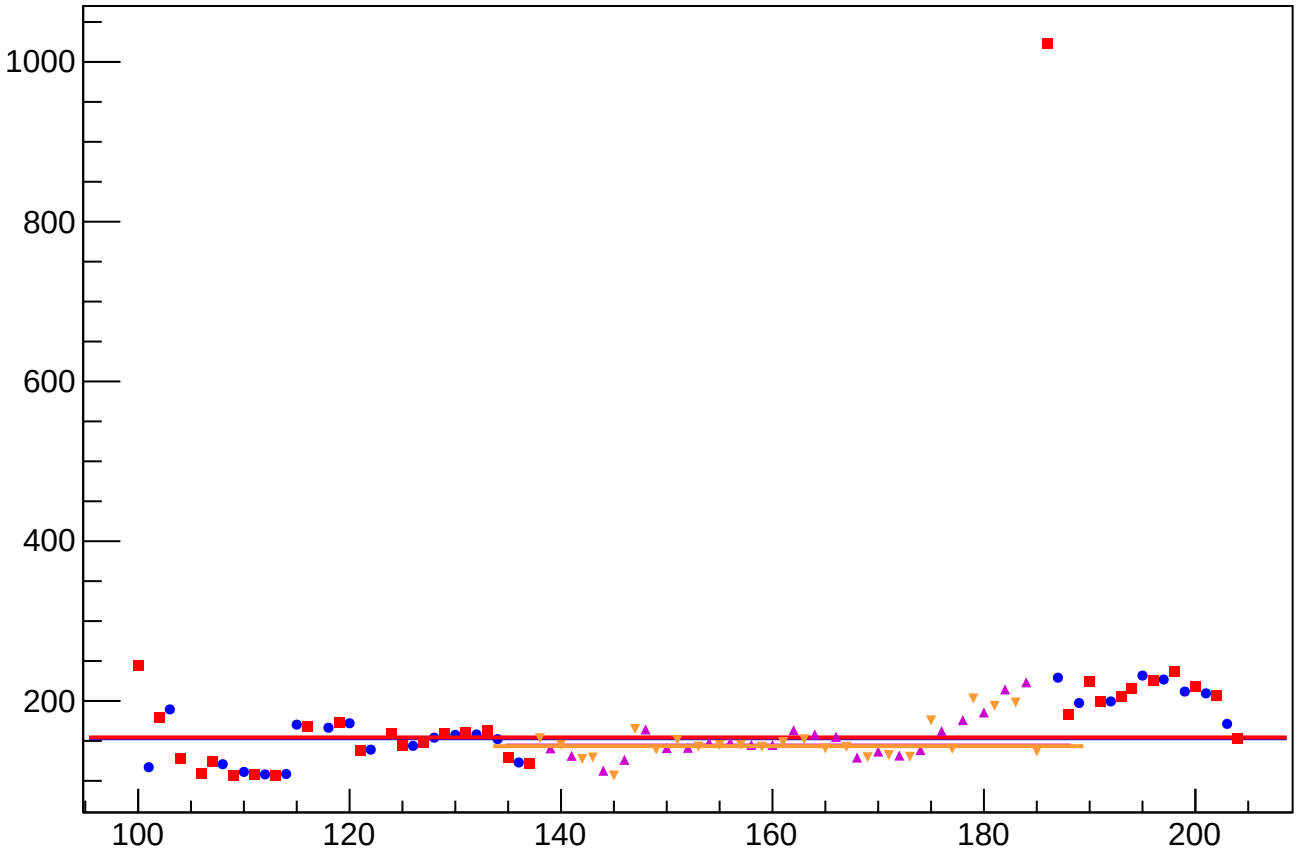
Left: 76.266+/-23.739 χ^2/NDF: 60.5/47

Right: -45.161+/-30.001 χ^2/NDF: 51.8/53

In: 8.935+/-26.902 χ^2/NDF:52.7/46

Out: 48.416+/-25.787 χ^2/NDF:68.5/54

All: 29.510+/-18.616 χ^2/NDF: 122.3/101



Right In: 153.359+/-0.031 χ^2/NDF: 1515815.5/23

Left Out: 143.444+/-0.023 χ^2/NDF:747040.9/24

Right Out: 154.324+/-0.029 χ^2/NDF: 2447641.6/29

Left In: 144.170+/-0.024 χ^2/NDF:702713.8/22

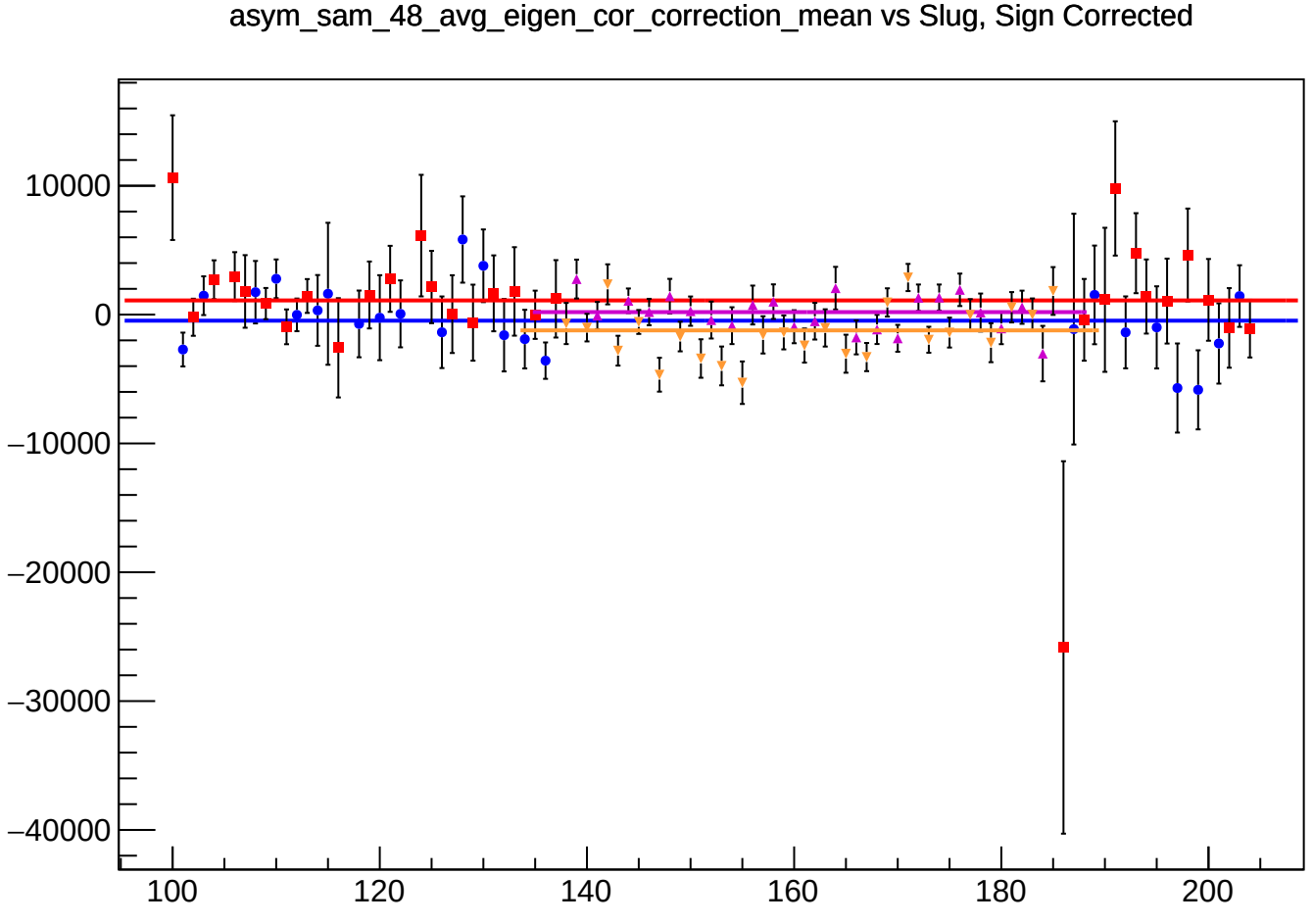
Left: 143.795+/-0.017 χ^2/NDF: 1450223.1/47

Right: 153.869+/-0.021 χ^2/NDF: 3963972.4/53

In: 147.652+/-0.019 χ^2/NDF:2273435.9/46

Out: 147.694+/-0.018 χ^2/NDF:3279431.8/54

All: 147.674+/-0.013 χ^2/NDF: 5552870.2/101



Right In: -471.238+/-458.728 χ^2/NDF: 28.5/23

Left Out: -1225.031+/-251.767 χ^2/NDF:59.3/24

Right Out: 1099.787+/-426.007 χ^2/NDF: 23.1/29

Left In: 193.808+/-258.922 χ^2/NDF:23.3/22

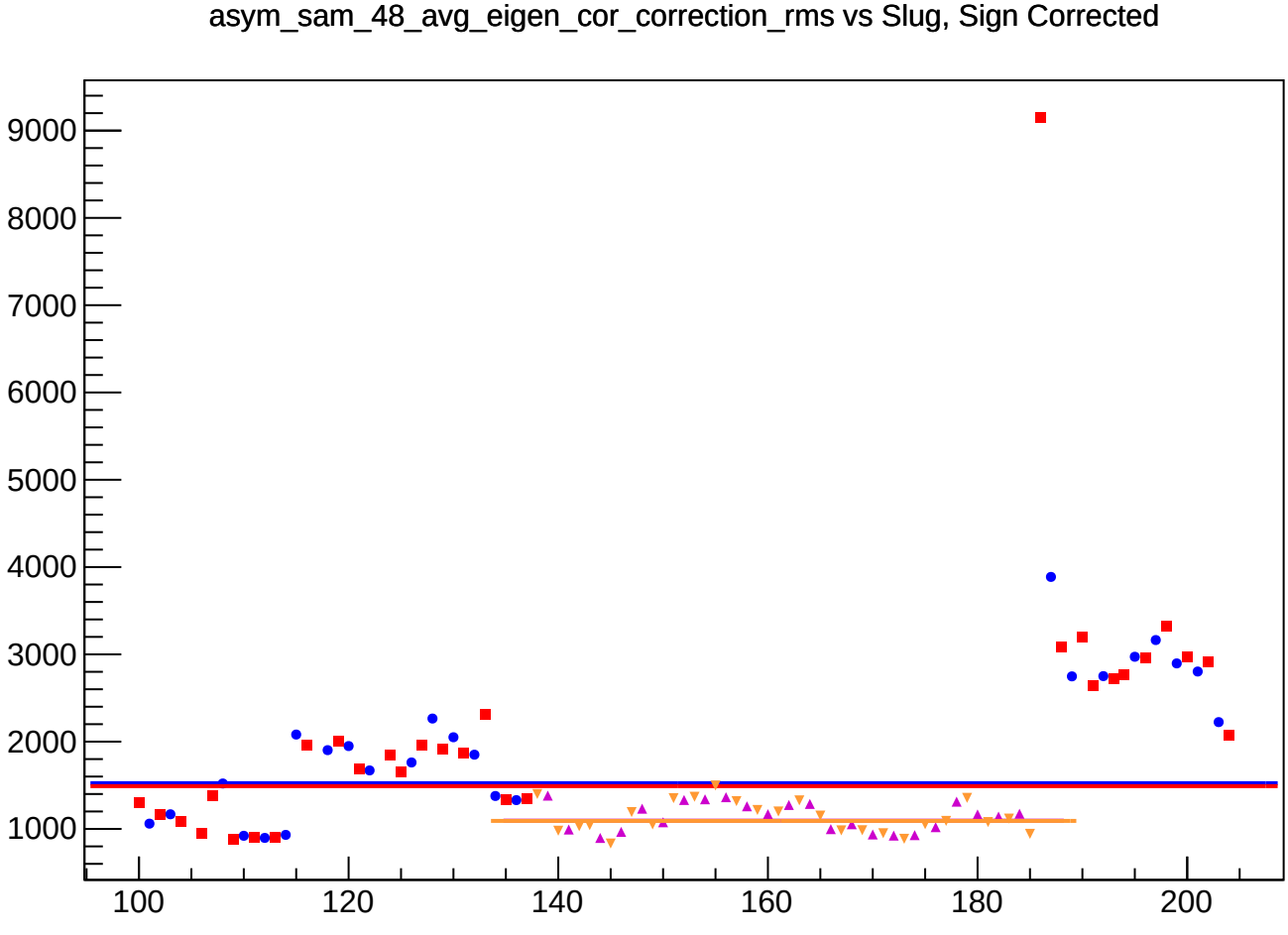
Left: -535.485+/-180.503 χ^2/NDF: 98.0/47

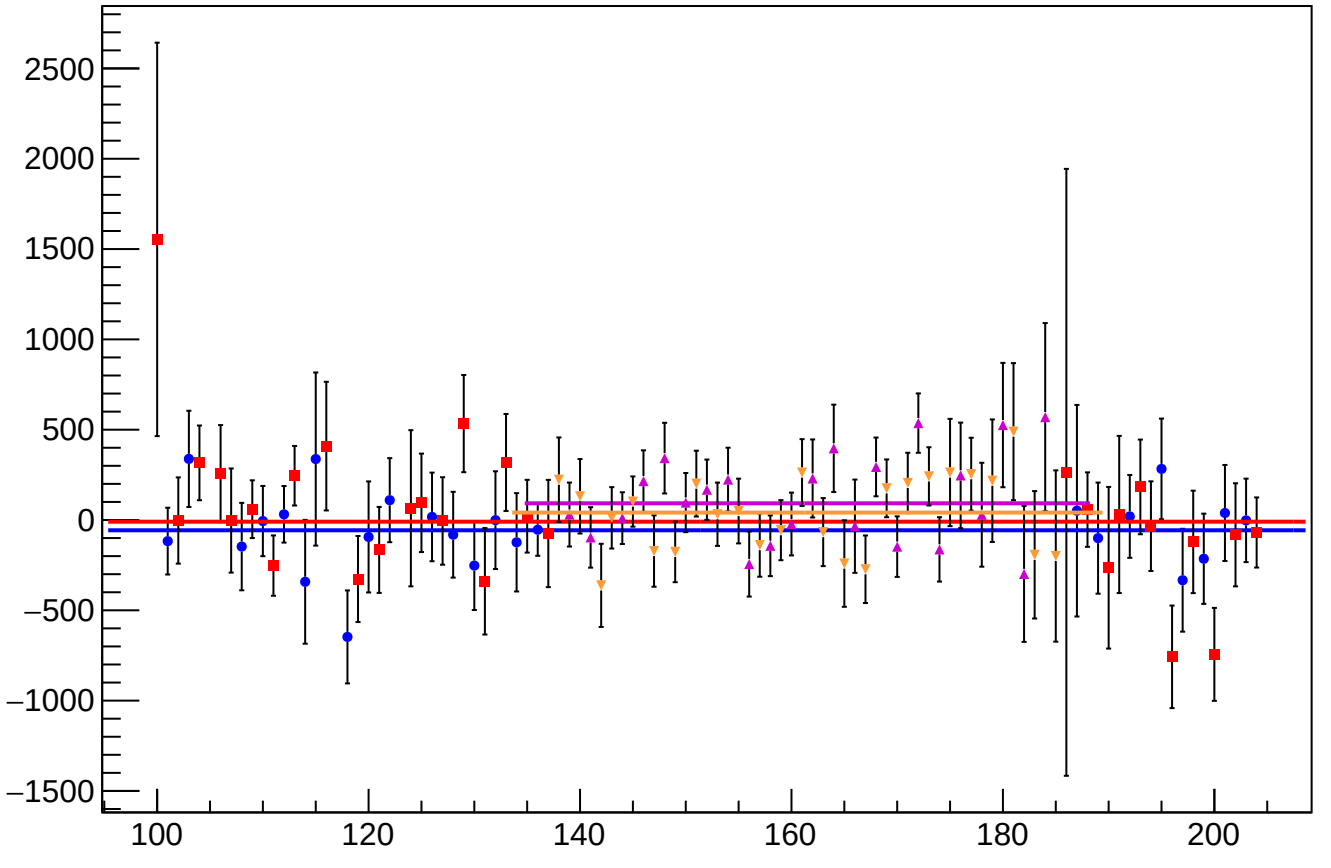
Right: 372.297+/-312.160 χ^2/NDF: 57.9/53

In: 33.125+/-225.483 χ^2/NDF:53.4/46

Out: -623.229+/-216.745 χ^2/NDF:104.4/54

All: -308.016+/-156.260 χ^2/NDF: 162.2/101


asym_sam_48_avg_eigen_cor_correction_rms vs Slug, Sign Corrected
9000
8000
7000
6000
5000
4000
3000
2000
1000
100
120
140
160
180
200
Right In: 1524.330+/-0.324 χ²/NDF: 4121914.7/23
Left Out: 1091.979+/-0.178 χ²/NDF:892441.9/24
Right Out: 1490.346+/-0.301 χ²/NDF: 6067074.3/29
Left In: 1094.479+/-0.183 χ²/NDF:732975.7/22
Left: 1093.194+/-0.128 χ²/NDF: 1625513.3/47
Right: 1506.083+/-0.221 χ²/NDF: 10194883.0/53
In: 1198.336+/-0.159 χ²/NDF:6186720.8/46
Out: 1195.100+/-0.153 χ²/NDF:8255684.0/54
All: 1196.654+/-0.110 χ²/NDF: 14442618.8/1



Right In: -56.902+/-48.952 χ^2/NDF: 14.0/23

Left Out: 41.086+/-39.177 χ^2/NDF:22.3/24

Right Out: -9.348+/-45.768 χ^2/NDF: 37.3/29

Left In: 92.556+/-40.165 χ^2/NDF:29.5/22

Left: 66.180+/-28.045 χ^2/NDF: 52.7/47

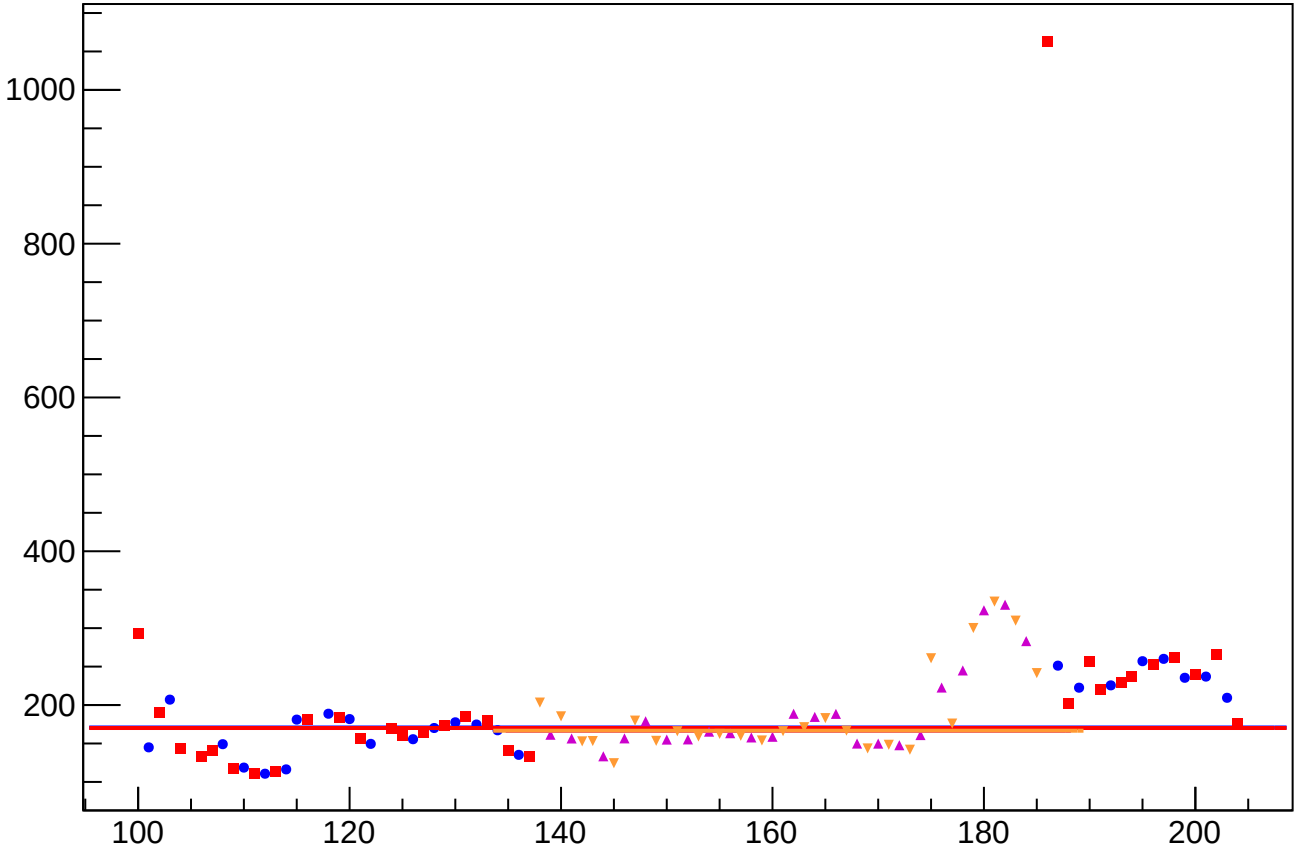
Right: -31.528+/-33.432 χ^2/NDF: 51.8/53

In: 32.422+/-31.051 χ^2/NDF:49.1/46

Out: 19.759+/-29.762 χ^2/NDF:60.3/54

All: 25.822+/-21.486 χ^2/NDF: 109.5/101

dit_asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 170.798+/-0.035 χ^2/NDF: 1653362.4/23

Left Out: 166.599+/-0.028 χ^2/NDF:1719835.6/24

Right Out: 170.133+/-0.032 χ^2/NDF: 2644585.5/29

Left In: 166.308+/-0.028 χ^2/NDF:1392466.3/22

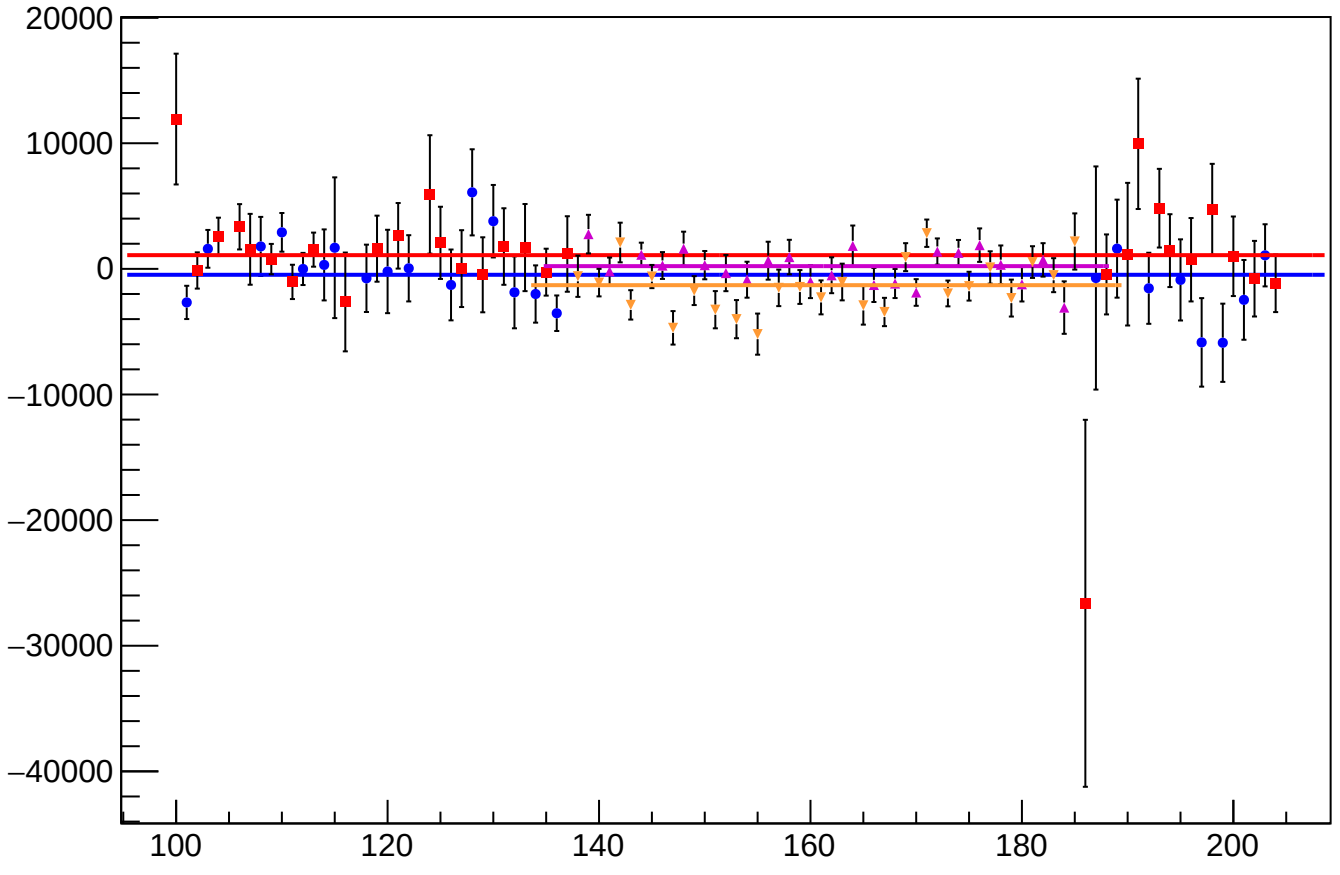
Left: 166.457+/-0.020 χ^2/NDF: 3112355.5/47

Right: 170.443+/-0.024 χ^2/NDF: 4298144.8/53

In: 168.115+/-0.022 χ^2/NDF:3055884.1/46

Out: 168.093+/-0.021 χ^2/NDF:4371305.3/54

All: 168.103+/-0.015 χ^2/NDF: 7427189.9/101



Right In: -471.512+/-463.824 χ^2/NDF: 28.7/23

Left Out: -1298.333+/-256.961 χ^2/NDF:55.1/24

Right Out: 1091.654+/-429.013 χ^2/NDF: 24.2/29

Left In: 217.285+/-264.388 χ^2/NDF:22.2/22

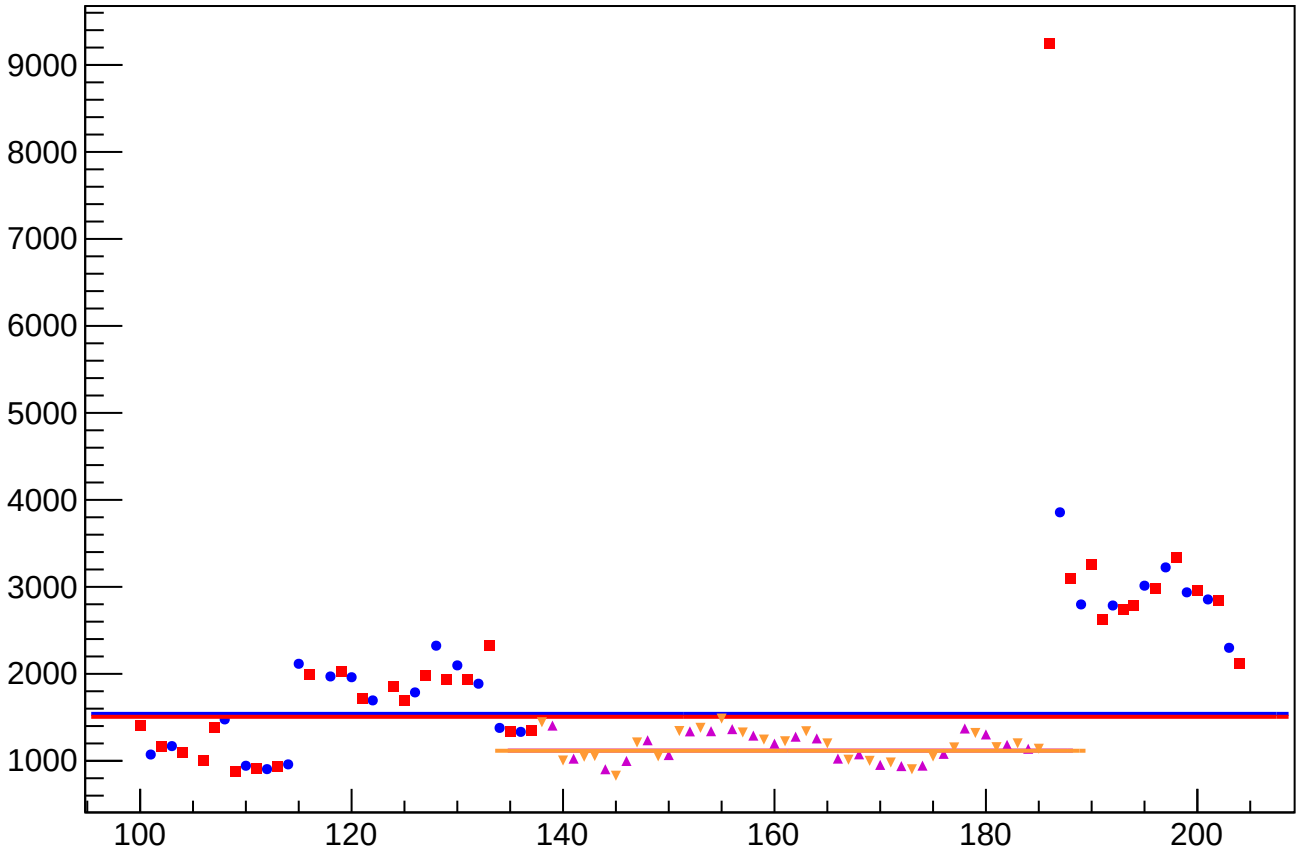
Left: -562.110+/-184.269 χ^2/NDF: 94.2/47

Right: 370.923+/-314.946 χ^2/NDF: 59.0/53

In: 48.366+/-229.693 χ^2/NDF:52.6/46

Out: -667.304+/-220.444 χ^2/NDF:102.1/54

All: -324.168+/-159.046 χ^2/NDF: 159.8/101



Right In: 1540.060+/-0.328 χ^2/NDF: 4178410.4/23

Left Out: 1116.034+/-0.182 χ^2/NDF:867489.3/24

Right Out: 1506.270+/-0.303 χ^2/NDF: 6014353.4/29

Left In: 1117.831+/-0.187 χ^2/NDF:729387.1/22

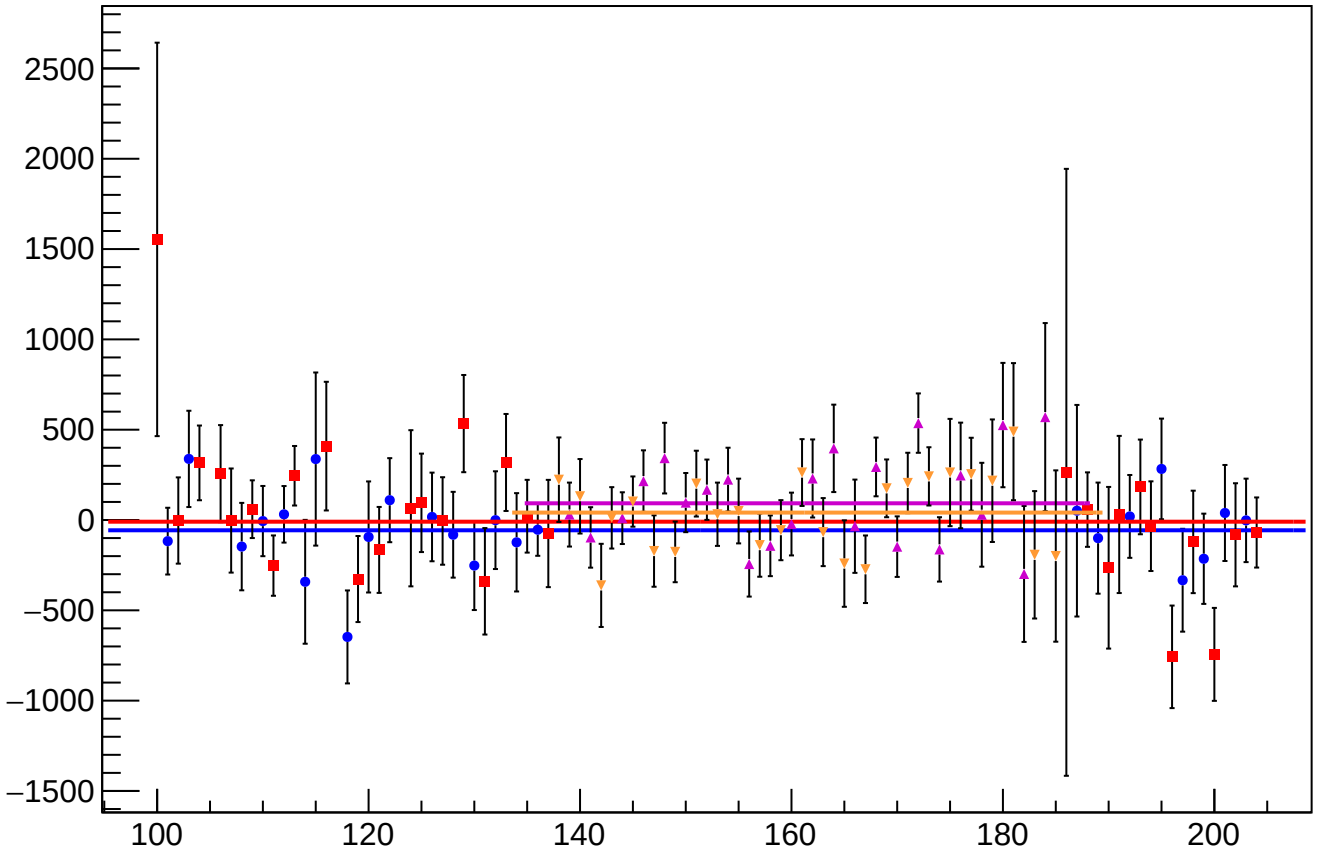
Left: 1116.907+/-0.130 χ^2/NDF: 1596924.0/47

Right: 1521.850+/-0.223 χ^2/NDF: 10198484.1/53

In: 1221.378+/-0.162 χ^2/NDF:6158716.3/46

Out: 1219.068+/-0.156 χ^2/NDF:8099721.5/54

All: 1220.175+/-0.112 χ^2/NDF: 14258543.1/



Right In: -56.899+/-48.952 χ^2/NDF: 14.0/23

Left Out: 41.088+/-39.177 χ^2/NDF:22.3/24

Right Out: -9.349+/-45.768 χ^2/NDF: 37.3/29

Left In: 92.556+/-40.165 χ^2/NDF:29.5/22

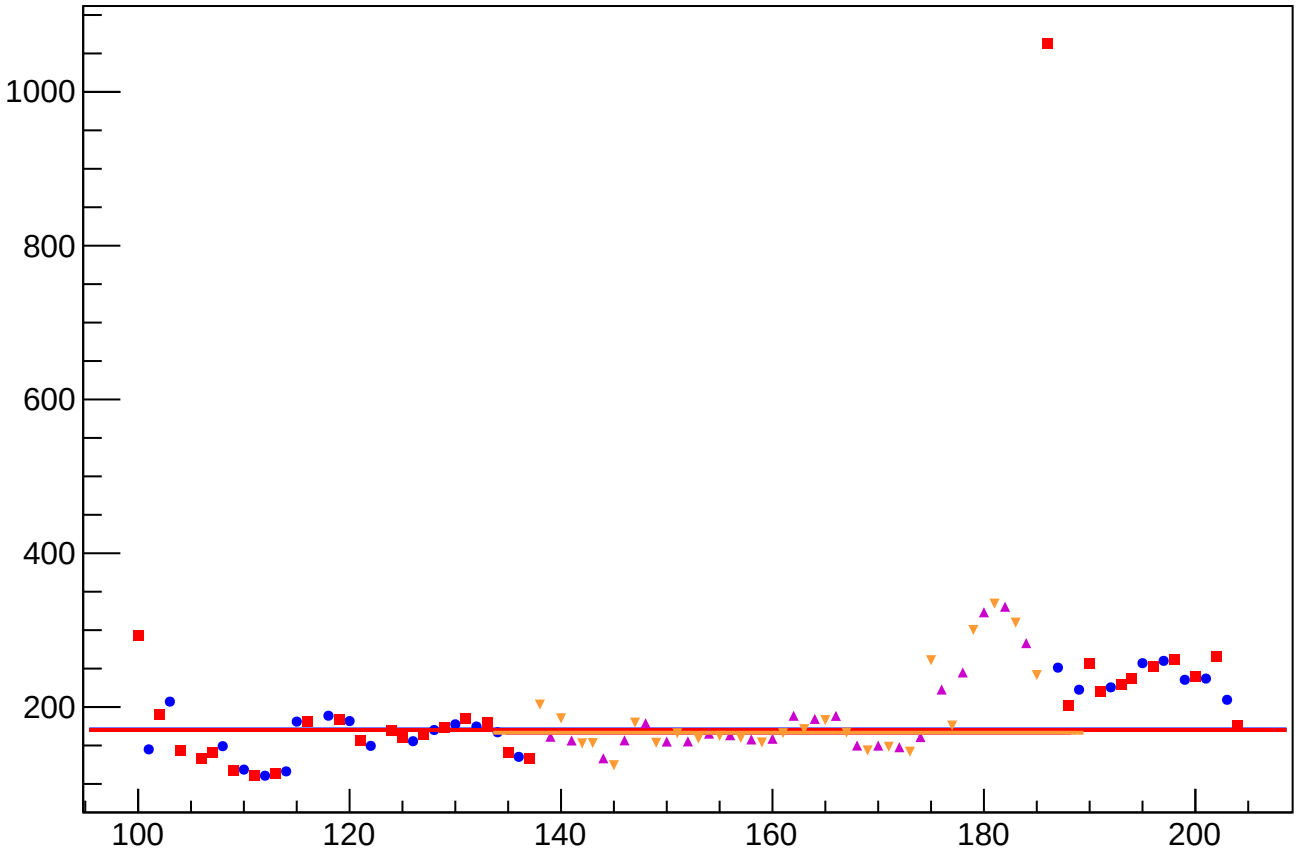
Left: 66.181+/-28.045 χ^2/NDF: 52.7/47

Right: -31.527+/-33.432 χ^2/NDF: 51.8/53

In: 32.423+/-31.051 χ^2/NDF:49.1/46

Out: 19.760+/-29.762 χ^2/NDF:60.3/54

All: 25.823+/-21.486 χ^2/NDF: 109.5/101



Right In: 170.798+/-0.035 χ^2/NDF: 1653350.3/23

Left Out: 166.599+/-0.028 χ^2/NDF:1719829.4/24

Right Out: 170.133+/-0.032 χ^2/NDF: 2644592.1/29

Left In: 166.308+/-0.028 χ^2/NDF:1392446.1/22

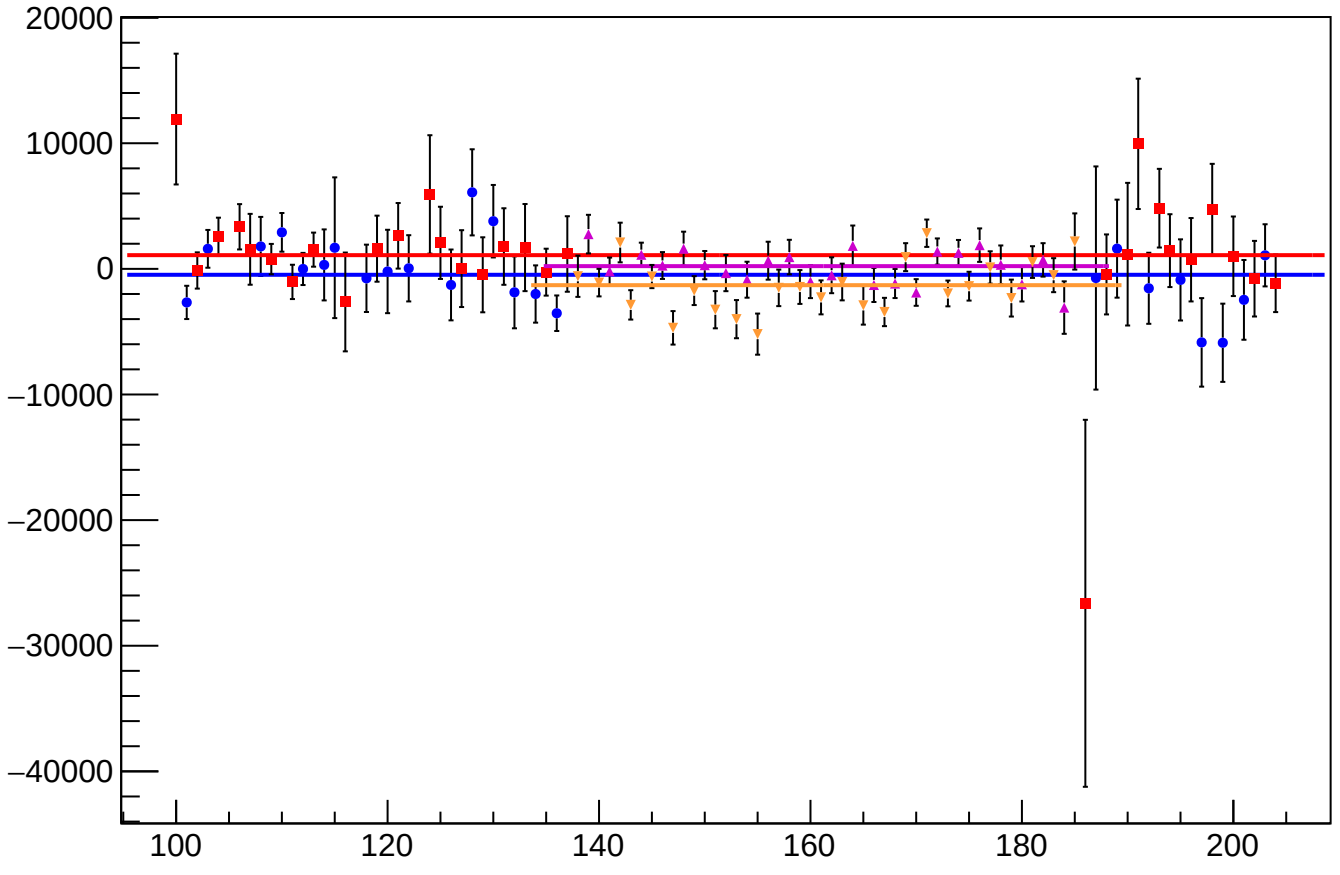
Left: 166.457+/-0.020 χ^2/NDF: 3112329.1/47

Right: 170.443+/-0.024 χ^2/NDF: 4298139.3/53

In: 168.115+/-0.022 χ^2/NDF:3055850.2/46

Out: 168.093+/-0.021 χ^2/NDF:4371304.4/54

All: 168.104+/-0.015 χ^2/NDF: 7427155.1/101



Right In: -471.511+/-463.823 χ^2/NDF: 28.7/23

Left Out: -1298.330+/-256.961 χ^2/NDF:55.1/24

Right Out: 1091.652+/-429.013 χ^2/NDF: 24.2/29

Left In: 217.283+/-264.388 χ^2/NDF:22.2/22

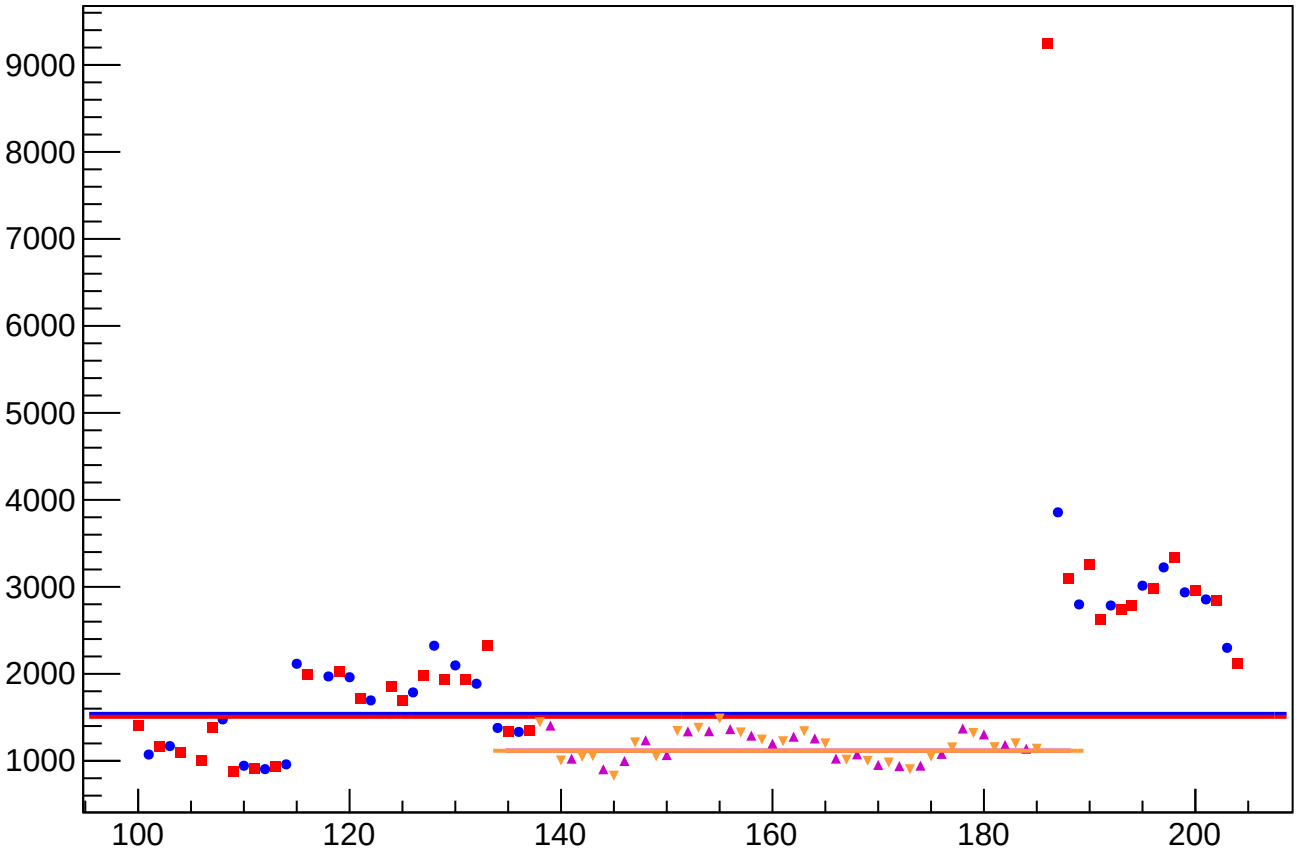
Left: -562.109+/-184.268 χ^2/NDF: 94.2/47

Right: 370.923+/-314.946 χ^2/NDF: 59.0/53

In: 48.365+/-229.692 χ^2/NDF:52.6/46

Out: -667.303+/-220.443 χ^2/NDF:102.1/54

All: -324.167+/-159.046 χ^2/NDF: 159.8/101



Right In: 1540.058+/-0.328 χ^2/NDF: 4178411.1/23

Left Out: 1116.032+/-0.182 χ^2/NDF:867491.2/24

Right Out: 1506.268+/-0.303 χ^2/NDF: 6014350.8/29

Left In: 1117.829+/-0.187 χ^2/NDF:729386.0/22

Left: 1116.905+/-0.130 χ^2/NDF: 1596924.8/47

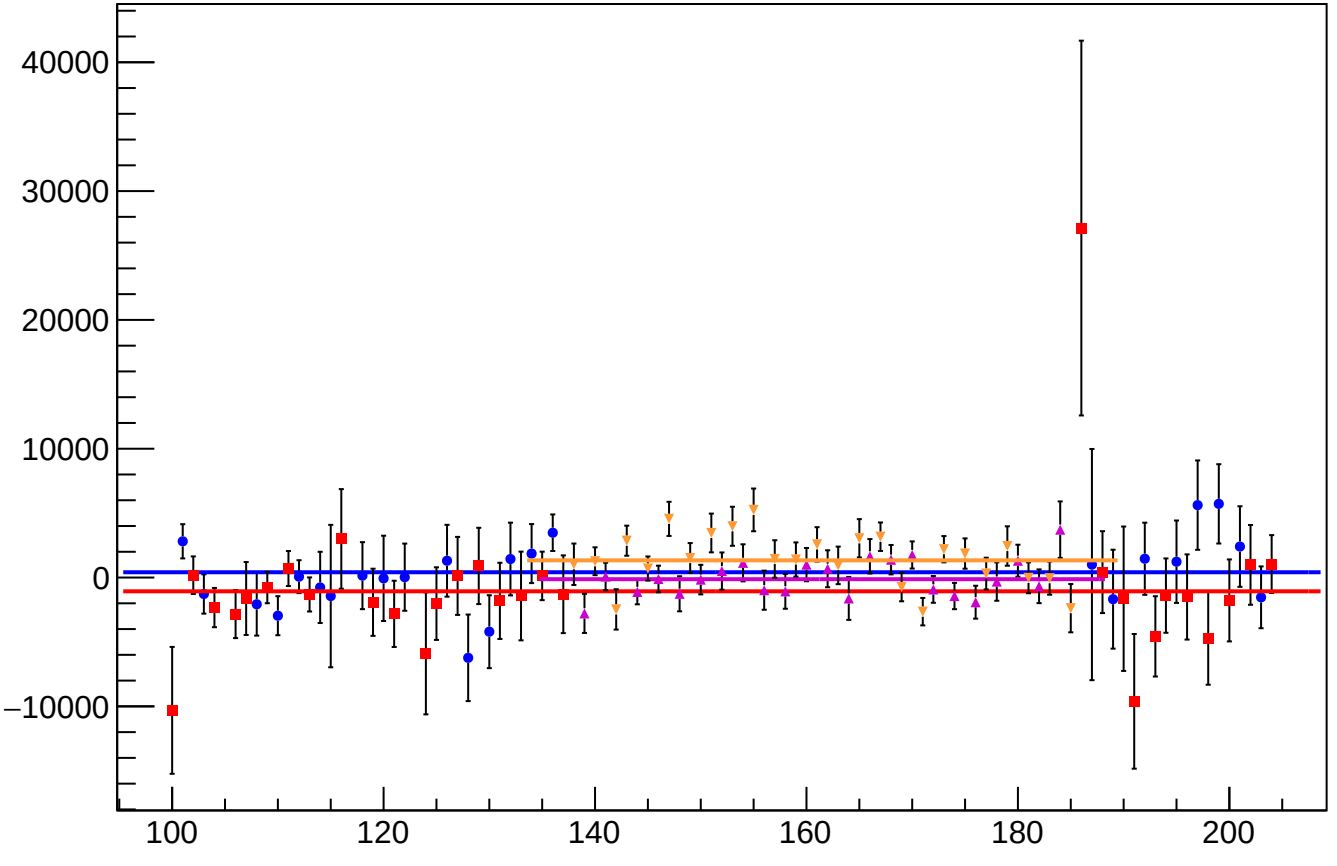
Right: 1521.848+/-0.223 χ^2/NDF: 10198482.3/53

In: 1221.376+/-0.162 χ^2/NDF:6158720.2/46

Out: 1219.066+/-0.156 χ^2/NDF:8099726.0/54

All: 1220.173+/-0.112 χ^2/NDF: 14258551.5/1

asym_sam_48_avg_mean vs Slug, Sign Corrected



Right In: 410.640+/-461.793 χ^2/NDF: 29.6/23

Left Out: 1334.704+/-254.187 χ^2/NDF:55.7/24

Right Out: -1069.455+/-428.224 χ^2/NDF: 21.9/29

Left In: -128.368+/-261.415 χ^2/NDF:24.0/22

Left: 623.675+/-182.239 χ^2/NDF: 95.8/47

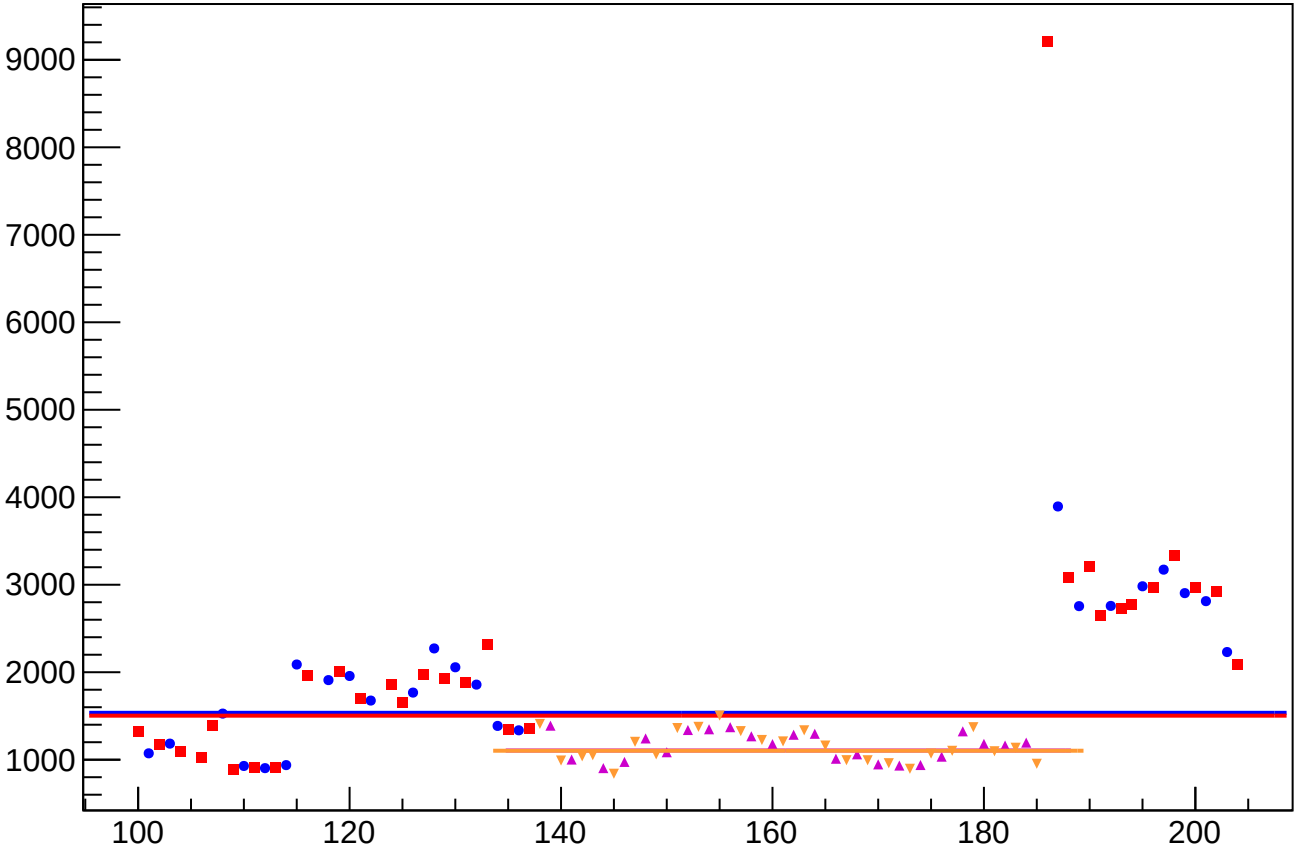
Right: -385.153+/-313.998 χ^2/NDF: 57.0/53

In: 2.442+/-227.494 χ^2/NDF:54.6/46

Out: 708.320+/-218.580 χ^2/NDF:100.9/54

All: 369.480+/-157.616 χ^2/NDF: 160.5/101

asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 1536.065+/-0.327 χ^2/NDF: 4076933.8/23

Left Out: 1102.700+/-0.180 χ^2/NDF:880468.6/24

Right Out: 1503.422+/-0.303 χ^2/NDF: 5988098.0/29

Left In: 1105.200+/-0.185 χ^2/NDF:723304.5/22

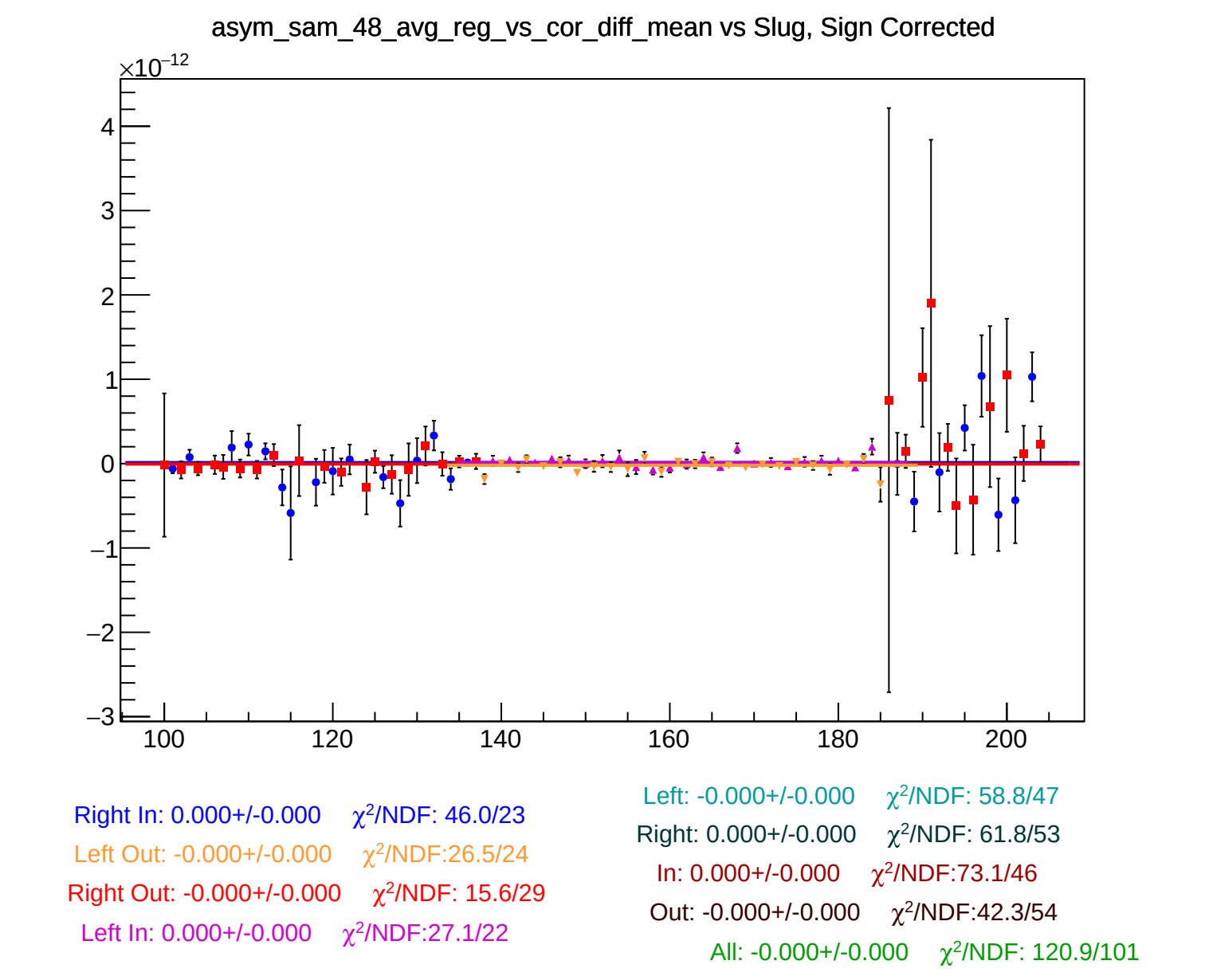
Left: 1103.915+/-0.129 χ^2/NDF: 1603867.1/47

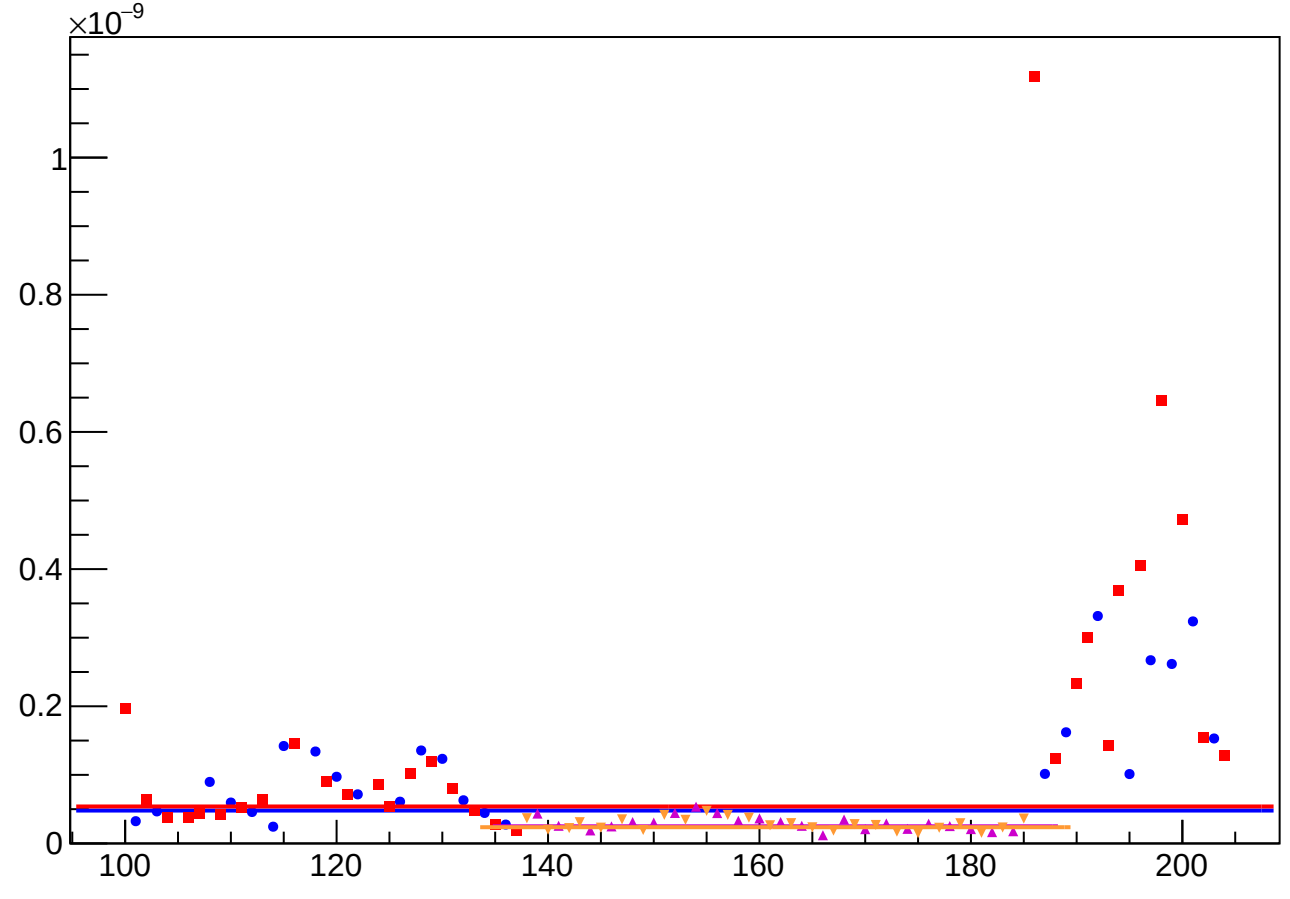
Right: 1518.514+/-0.222 χ^2/NDF: 10070404.9/53

In: 1209.765+/-0.161 χ^2/NDF:6118785.0/46

Out: 1207.105+/-0.155 χ^2/NDF:8163620.3/54

All: 1208.382+/-0.111 χ^2/NDF: 14282547.5/1


asym_sam_48_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
4
3
2
1
0
−1
−2
−3
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 46.0/23
Left Out: -0.000+/-0.000 χ²/NDF:26.5/24
Right Out: -0.000+/-0.000 χ²/NDF: 15.6/29
Left In: 0.000+/-0.000 χ²/NDF:27.1/22
Left: -0.000+/-0.000 χ²/NDF: 58.8/47
Right: 0.000+/-0.000 χ²/NDF: 61.8/53
In: 0.000+/-0.000 χ²/NDF:73.1/46
Out: -0.000+/-0.000 χ²/NDF:42.3/54
All: -0.000+/-0.000 χ²/NDF: 120.9/101



Right In: 0.000+/-0.000 χ^2/NDF: 4255691.9/23

Left Out: 0.000+/-0.000 χ^2/NDF:1433511.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5312464.7/29

Left In: 0.000+/-0.000 χ^2/NDF:1544727.7/22

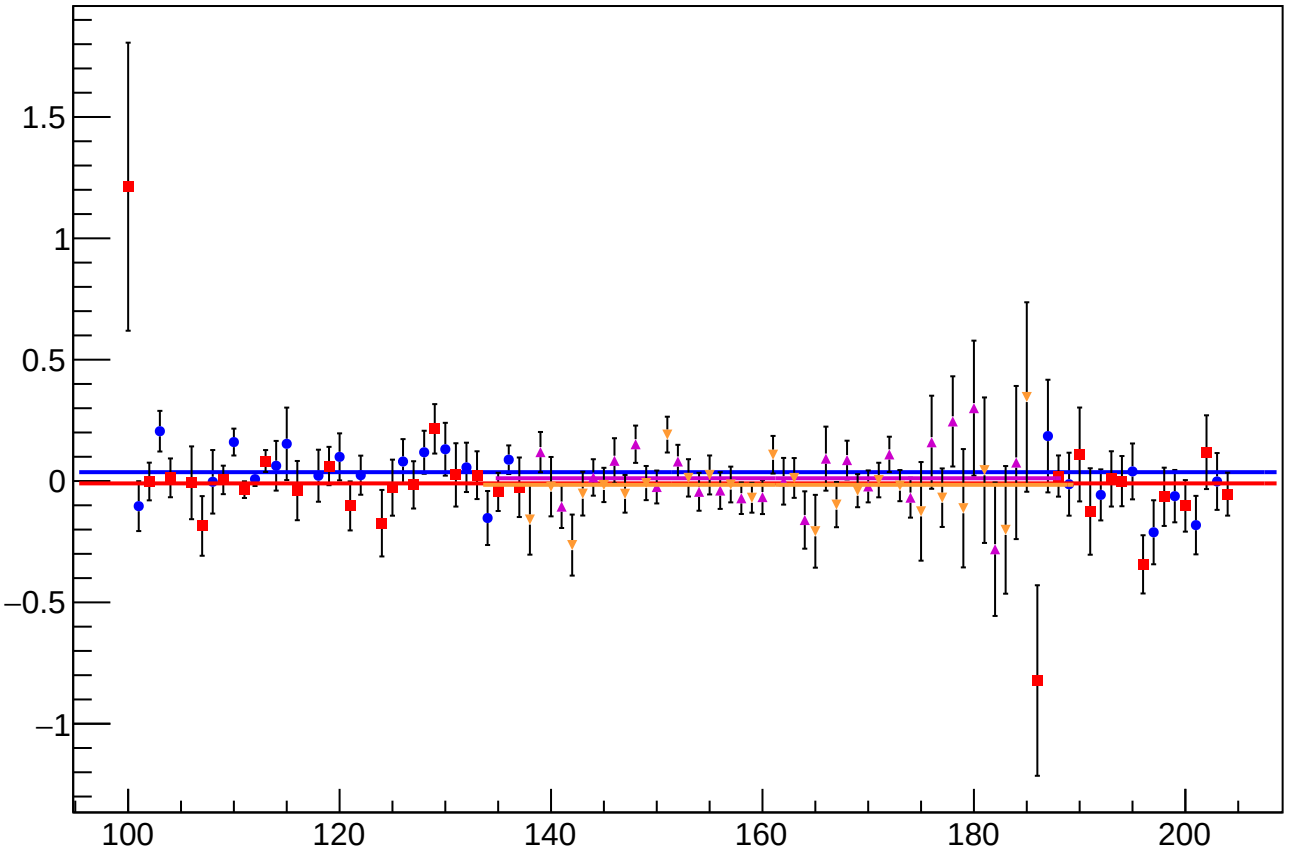
Left: 0.000+/-0.000 χ^2/NDF: 2998078.9/47

Right: 0.000+/-0.000 χ^2/NDF: 9615986.9/53

In: 0.000+/-0.000 χ^2/NDF:7129559.3/46

Out: 0.000+/-0.000 χ^2/NDF:8859842.0/54

All: 0.000+/-0.000 χ^2/NDF: 16012609.2/101



Right In: 0.037+/-0.016 χ^2/NDF: 27.8/23

Left Out: -0.016+/-0.018 χ^2/NDF:21.6/24

Right Out: -0.010+/-0.016 χ^2/NDF: 34.5/29

Left In: 0.011+/-0.018 χ^2/NDF:23.3/22

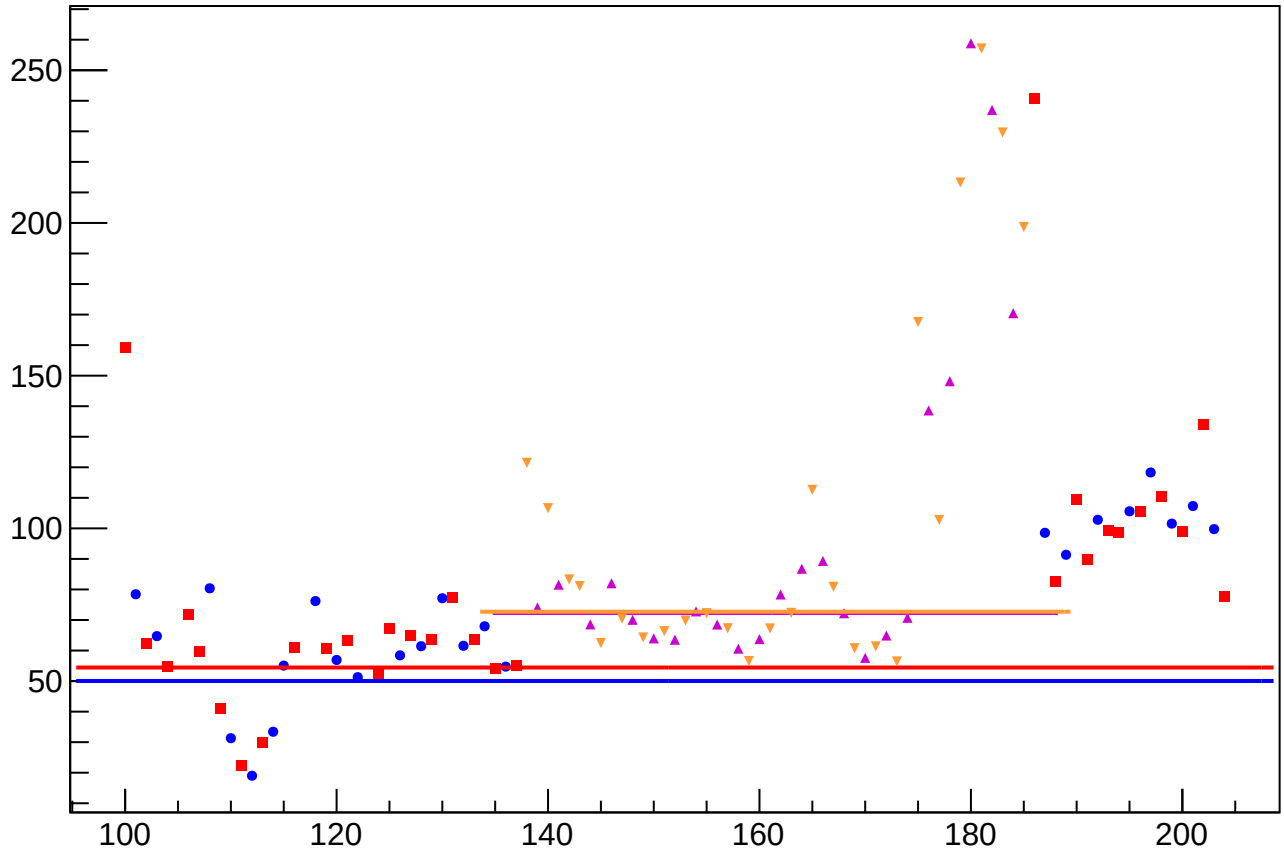
Left: -0.002+/-0.013 χ^2/NDF: 46.1/47

Right: 0.013+/-0.011 χ^2/NDF: 66.4/53

In: 0.025+/-0.012 χ^2/NDF:52.2/46

Out: -0.012+/-0.012 χ^2/NDF:56.2/54

All: 0.006+/-0.009 χ^2/NDF: 113.3/101



Right In: 50.040+/-0.012 χ^2/NDF: 6492879.3/23

Left Out: 72.715+/-0.013 χ^2/NDF:3961158.6/24

Right Out: 54.447+/-0.011 χ^2/NDF: 6174462.3/29

Left In: 72.298+/-0.013 χ^2/NDF:2790214.3/22

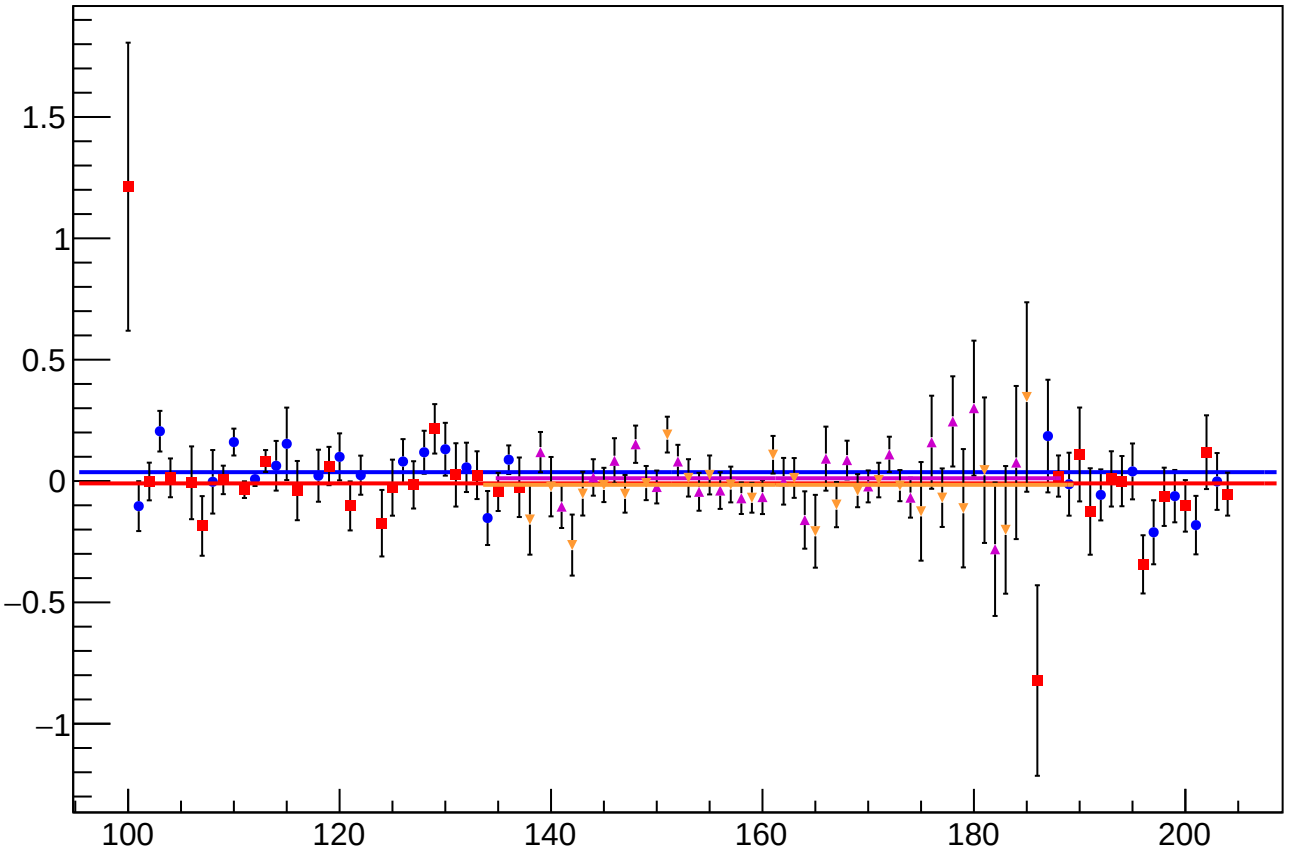
Left: 72.510+/-0.009 χ^2/NDF: 6751905.2/47

Right: 52.298+/-0.008 χ^2/NDF: 12740893.3/53

In: 60.015+/-0.009 χ^2/NDF:10923926.7/46

Out: 62.555+/-0.008 χ^2/NDF:11286338.2/54

All: 61.311+/-0.006 χ^2/NDF: 22254378.8/101



Right In: 0.037+/-0.016 χ^2/NDF: 27.8/23

Left Out: -0.016+/-0.018 χ^2/NDF:21.6/24

Right Out: -0.010+/-0.016 χ^2/NDF: 34.5/29

Left In: 0.011+/-0.018 χ^2/NDF:23.3/22

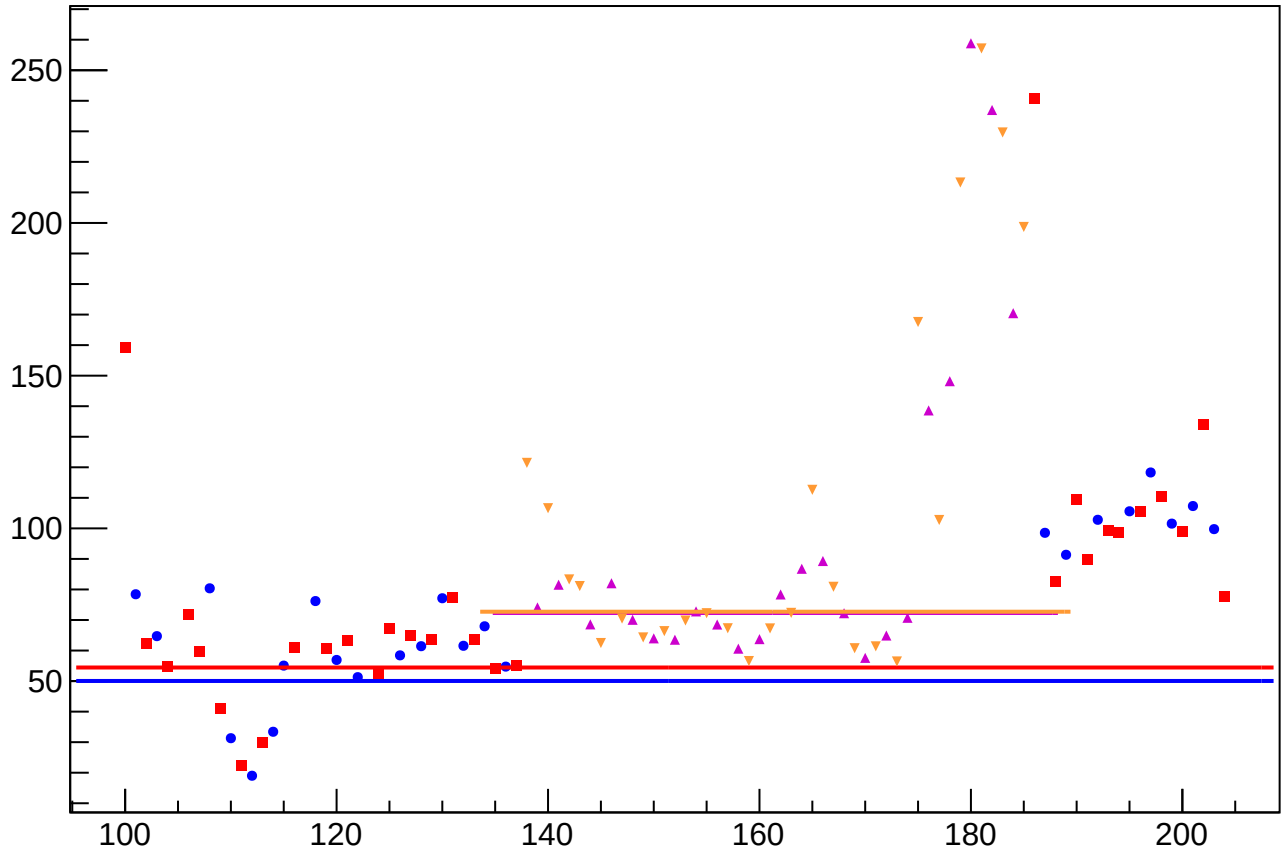
Left: -0.002+/-0.013 χ^2/NDF: 46.1/47

Right: 0.013+/-0.011 χ^2/NDF: 66.4/53

In: 0.025+/-0.012 χ^2/NDF:52.2/46

Out: -0.012+/-0.012 χ^2/NDF:56.2/54

All: 0.006+/-0.009 χ^2/NDF: 113.3/101



Right In: 50.040+/-0.012 χ^2/NDF: 6492879.3/23

Left Out: 72.715+/-0.013 χ^2/NDF:3961158.6/24

Right Out: 54.447+/-0.011 χ^2/NDF: 6174462.3/29

Left In: 72.298+/-0.013 χ^2/NDF:2790214.3/22

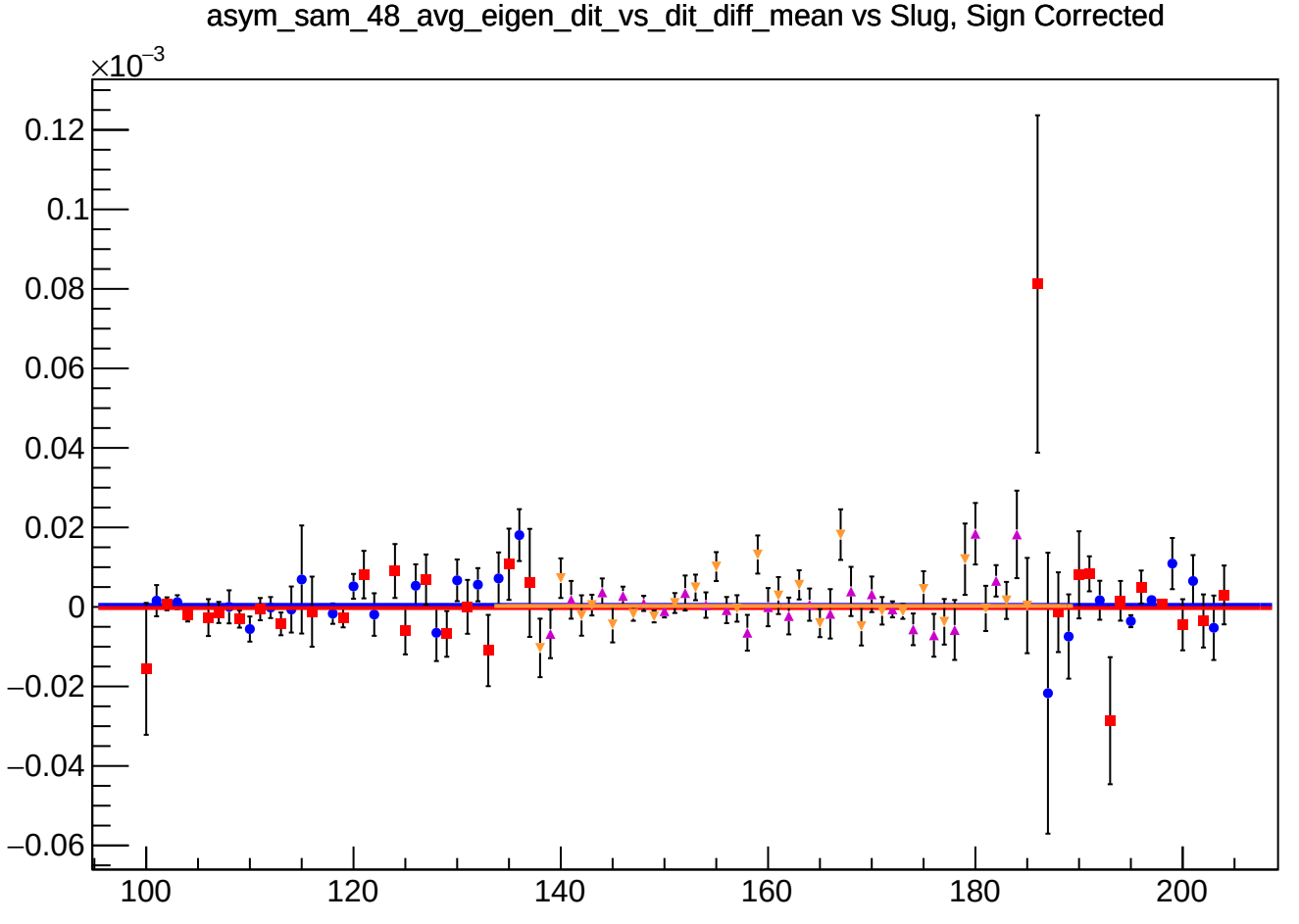
Left: 72.510+/-0.009 χ^2/NDF: 6751905.2/47

Right: 52.298+/-0.008 χ^2/NDF: 12740893.3/53

In: 60.015+/-0.009 χ^2/NDF:10923926.7/46

Out: 62.555+/-0.008 χ^2/NDF:11286338.2/54

All: 61.311+/-0.006 χ^2/NDF: 22254378.8/101



Right In: 0.000+/-0.000 χ^2/NDF: 33.6/23

Left Out: 0.000+/-0.000 χ^2/NDF:43.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 32.3/29

Left In: 0.000+/-0.000 χ^2/NDF:24.1/22

Left: 0.000+/-0.000 χ^2/NDF: 67.4/47

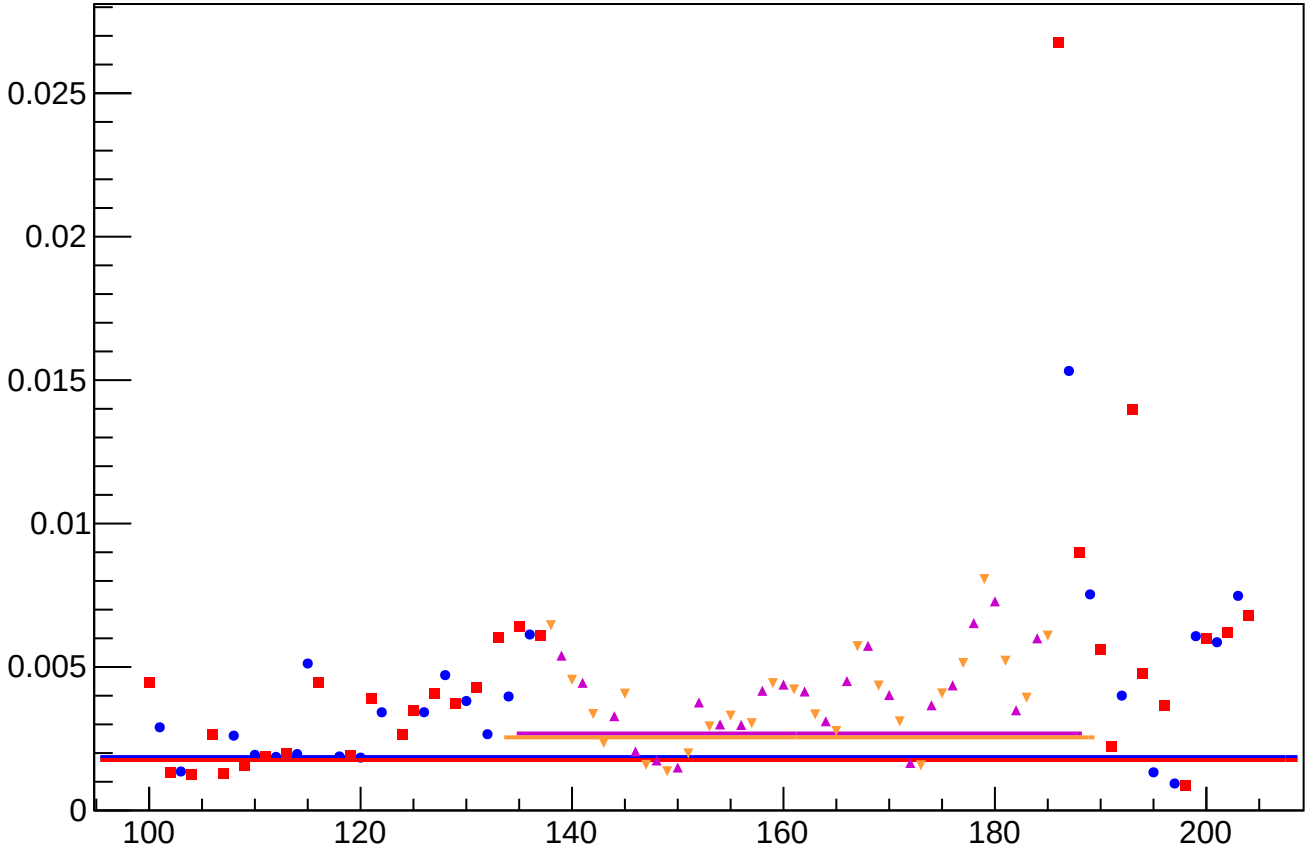
Right: 0.000+/-0.000 χ^2/NDF: 66.7/53

In: 0.000+/-0.000 χ^2/NDF:57.7/46

Out: -0.000+/-0.000 χ^2/NDF:76.0/54

All: 0.000+/-0.000 χ^2/NDF: 134.2/101

asym_sam_48_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 7748693.0/23

Left Out: 0.003+/-0.000 χ^2/NDF:7499900.9/24

Right Out: 0.002+/-0.000 χ^2/NDF: 11713863.3/29

Left In: 0.003+/-0.000 χ^2/NDF:6504235.2/22

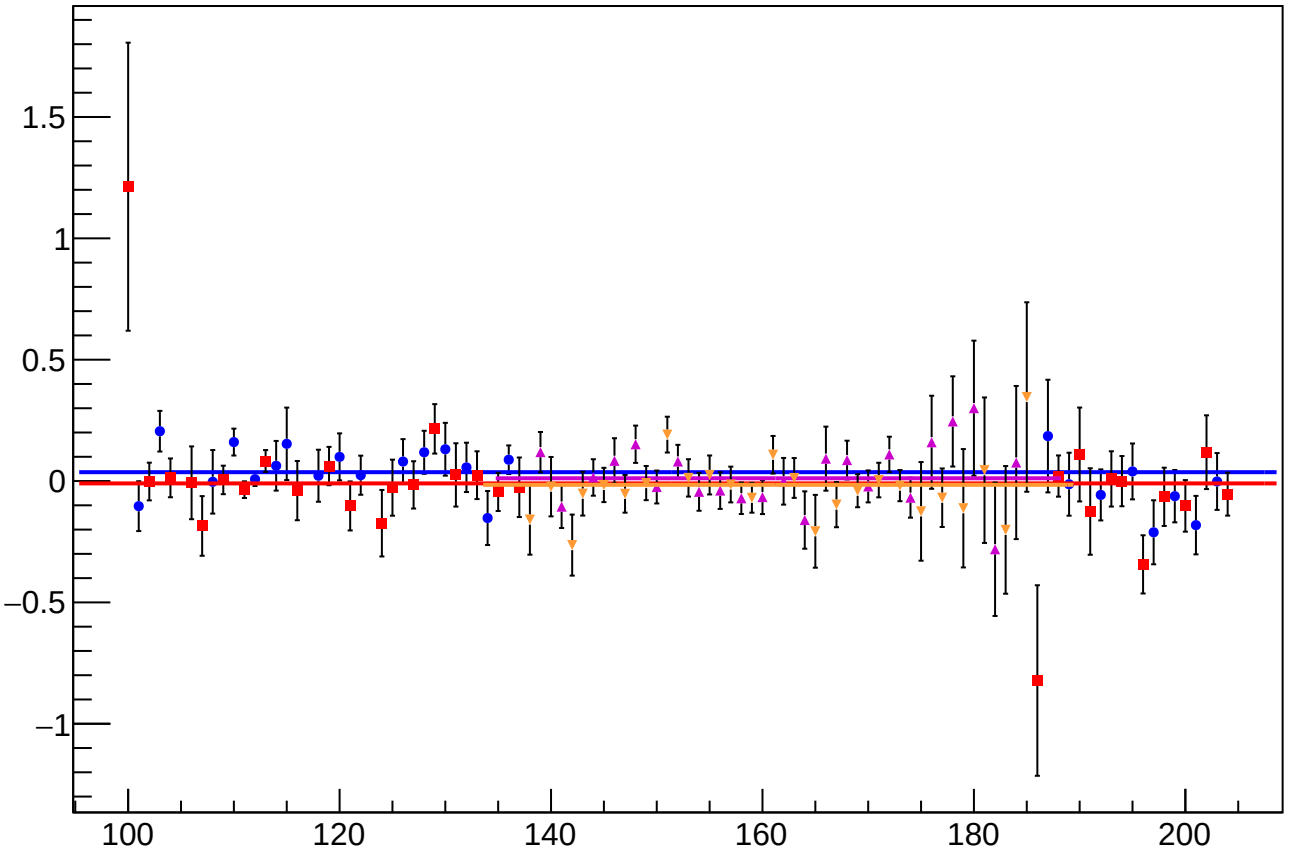
Left: 0.003+/-0.000 χ^2/NDF: 14042947.3/47

Right: 0.002+/-0.000 χ^2/NDF: 19489887.8/53

In: 0.002+/-0.000 χ^2/NDF:15730318.2/46

Out: 0.002+/-0.000 χ^2/NDF:20828166.3/54

All: 0.002+/-0.000 χ^2/NDF: 36630843.4/101



Right In: 0.037+/-0.016 χ^2/NDF: 27.8/23

Left Out: -0.016+/-0.018 χ^2/NDF:21.6/24

Right Out: -0.010+/-0.016 χ^2/NDF: 34.5/29

Left In: 0.011+/-0.018 χ^2/NDF:23.3/22

Left: -0.002+/-0.013 χ^2/NDF: 46.1/47

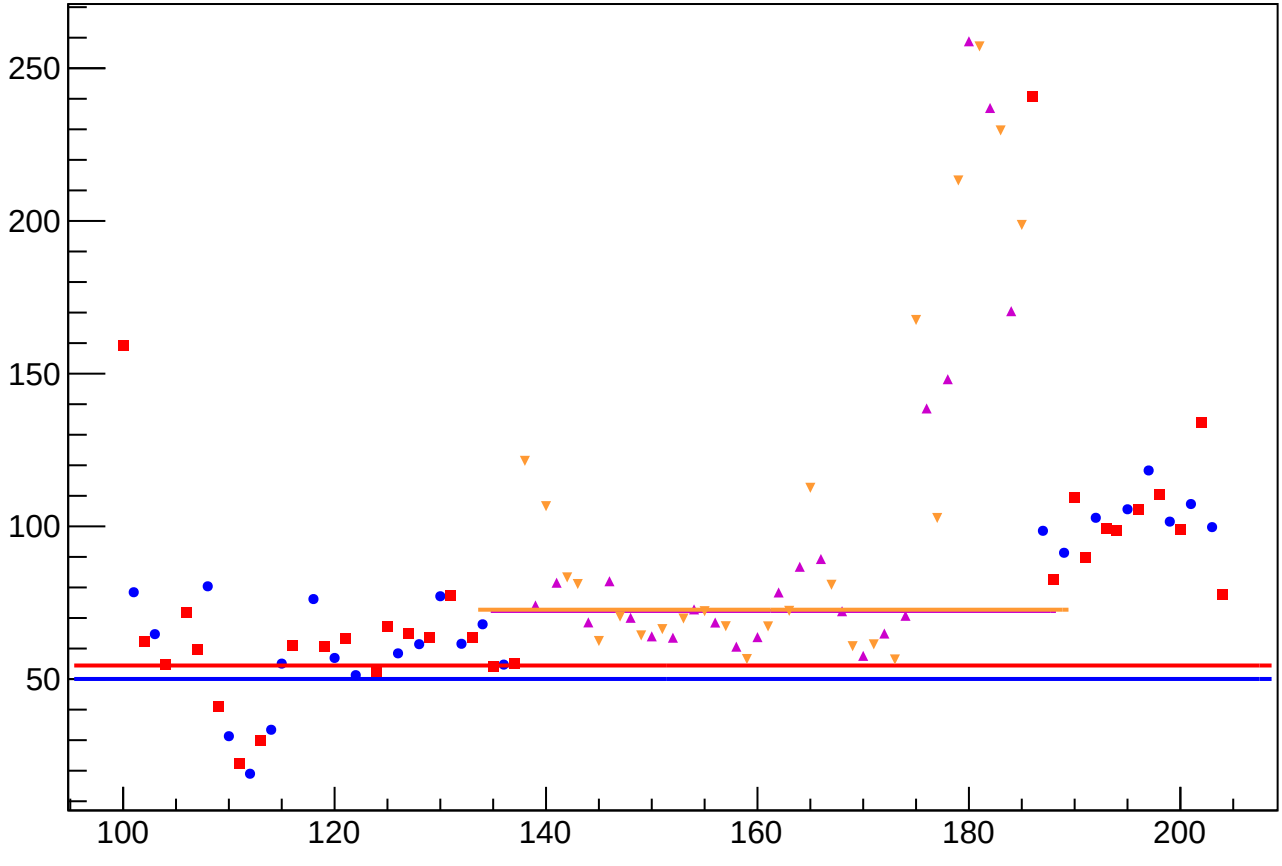
Right: 0.013+/-0.011 χ^2/NDF: 66.4/53

In: 0.025+/-0.012 χ^2/NDF:52.2/46

Out: -0.012+/-0.012 χ^2/NDF:56.2/54

All: 0.006+/-0.009 χ^2/NDF: 113.3/101

asym_sam_48_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 50.039+/-0.012 χ^2/NDF: 6493087.5/23

Left Out: 72.716+/-0.013 χ^2/NDF:3961100.5/24

Right Out: 54.446+/-0.011 χ^2/NDF: 6174754.6/29

Left In: 72.298+/-0.013 χ^2/NDF:2790146.5/22

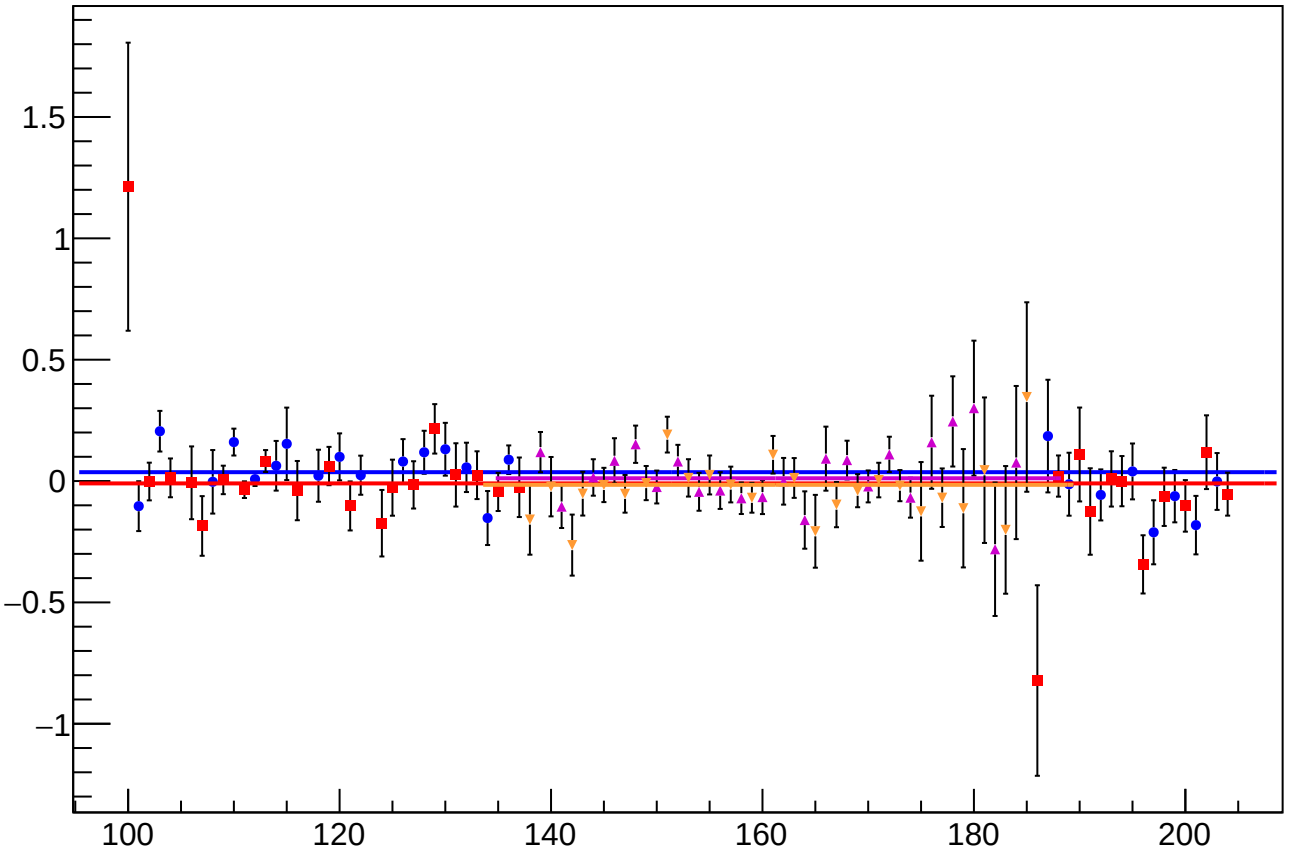
Left: 72.510+/-0.009 χ^2/NDF: 6751779.3/47

Right: 52.297+/-0.008 χ^2/NDF: 12741397.9/53

In: 60.014+/-0.009 χ^2/NDF:10924314.0/46

Out: 62.554+/-0.008 χ^2/NDF:11286771.4/54

All: 61.311+/-0.006 χ^2/NDF: 22255203.6/101



Right In: 0.037+/-0.016 χ^2/NDF: 27.8/23

Left Out: -0.016+/-0.018 χ^2/NDF:21.6/24

Right Out: -0.010+/-0.016 χ^2/NDF: 34.5/29

Left In: 0.011+/-0.018 χ^2/NDF:23.3/22

Left: -0.002+/-0.013 χ^2/NDF: 46.1/47

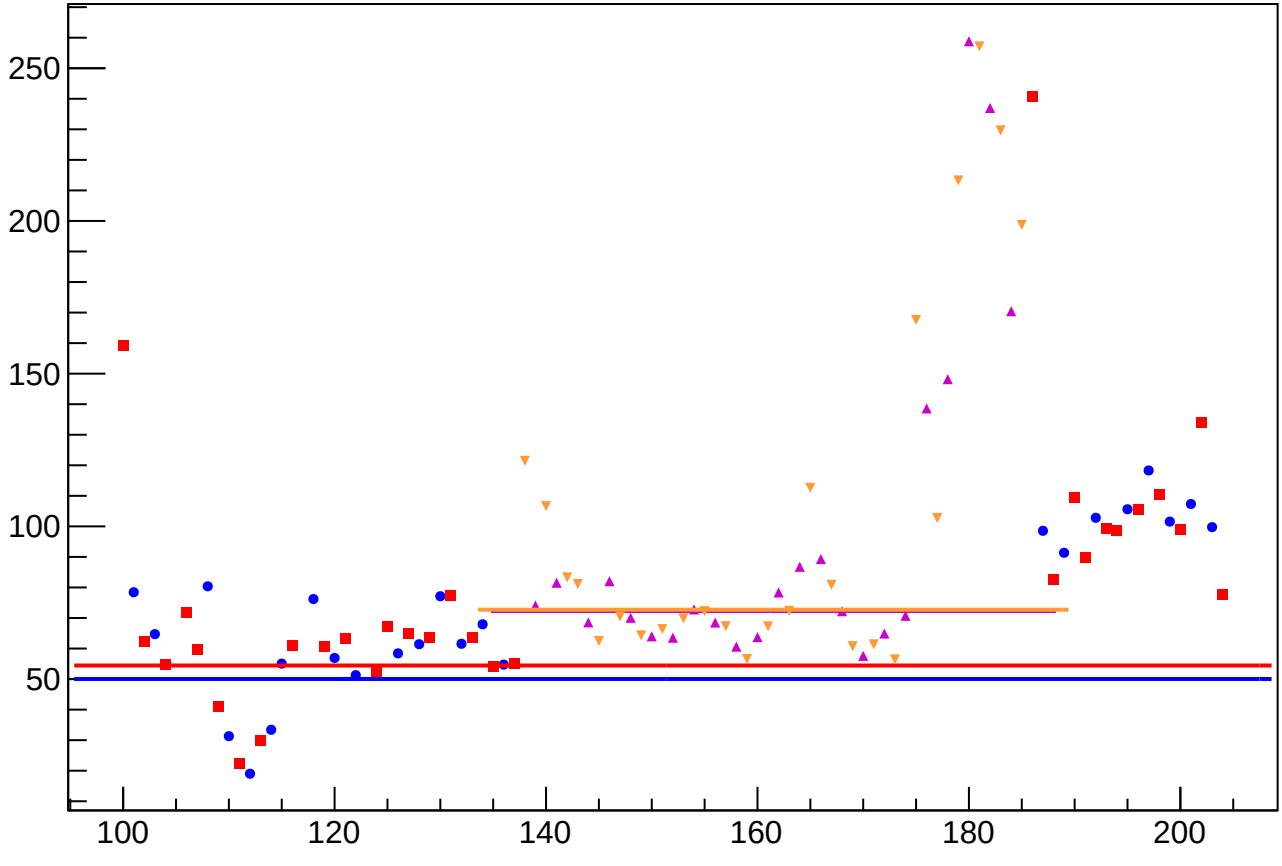
Right: 0.013+/-0.011 χ^2/NDF: 66.4/53

In: 0.025+/-0.012 χ^2/NDF:52.2/46

Out: -0.012+/-0.012 χ^2/NDF:56.2/54

All: 0.006+/-0.009 χ^2/NDF: 113.3/101

asym_sam_48_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 50.039+/-0.012 χ^2/NDF: 6493087.5/23

Left Out: 72.716+/-0.013 χ^2/NDF:3961100.5/24

Right Out: 54.446+/-0.011 χ^2/NDF: 6174754.6/29

Left In: 72.298+/-0.013 χ^2/NDF:2790146.5/22

Left: 72.510+/-0.009 χ^2/NDF: 6751779.3/47

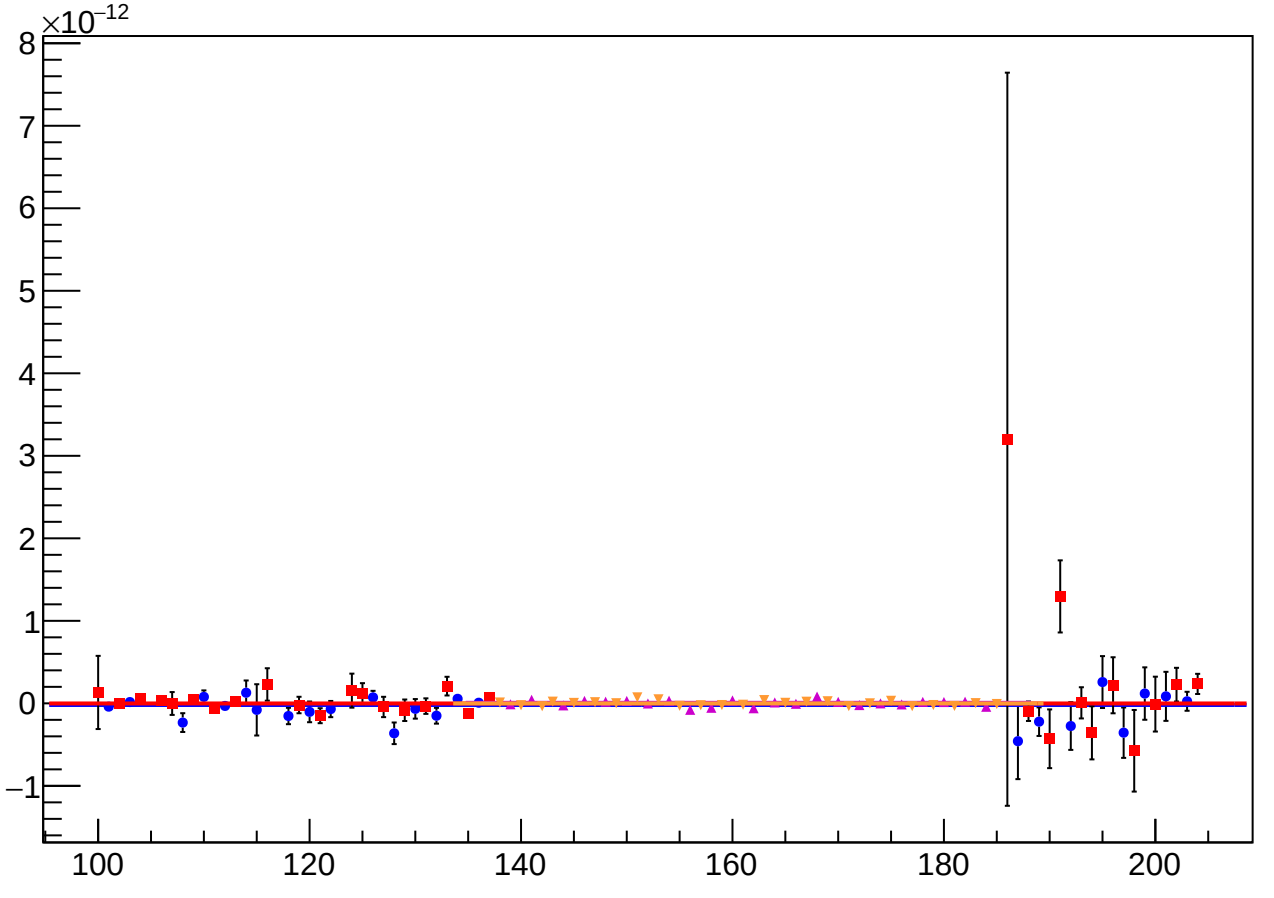
Right: 52.297+/-0.008 χ^2/NDF: 12741397.9/53

In: 60.014+/-0.009 χ^2/NDF:10924314.0/46

Out: 62.554+/-0.008 χ^2/NDF:11286771.4/54

All: 61.311+/-0.006 χ^2/NDF: 22255203.6/101

asym_sam_48_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 28.5/23

Left Out: -0.000+/-0.000 χ^2/NDF:27.9/24

Right Out: -0.000+/-0.000 χ^2/NDF: 42.8/29

Left In: 0.000+/-0.000 χ^2/NDF:38.3/22

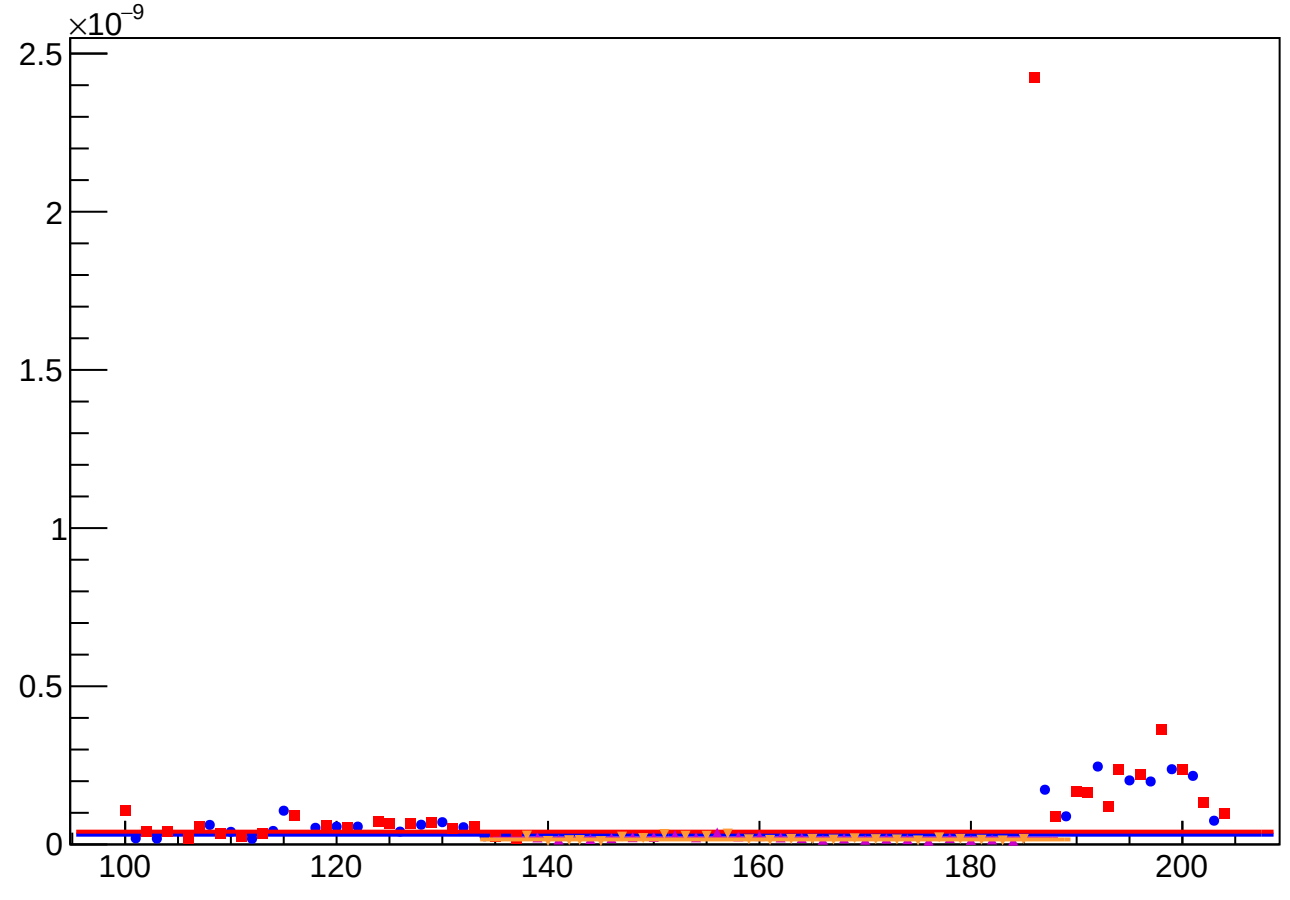
Left: 0.000+/-0.000 χ^2/NDF: 67.2/47

Right: -0.000+/-0.000 χ^2/NDF: 72.0/53

In: 0.000+/-0.000 χ^2/NDF:69.7/46

Out: -0.000+/-0.000 χ^2/NDF:70.7/54

All: 0.000+/-0.000 χ^2/NDF: 140.8/101



Right In: 0.000+/-0.000 χ^2/NDF: 6563430.9/23

Left Out: 0.000+/-0.000 χ^2/NDF:2331257.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7281716.9/29

Left In: 0.000+/-0.000 χ^2/NDF:1621439.8/22

Left: 0.000+/-0.000 χ^2/NDF: 4185951.3/47

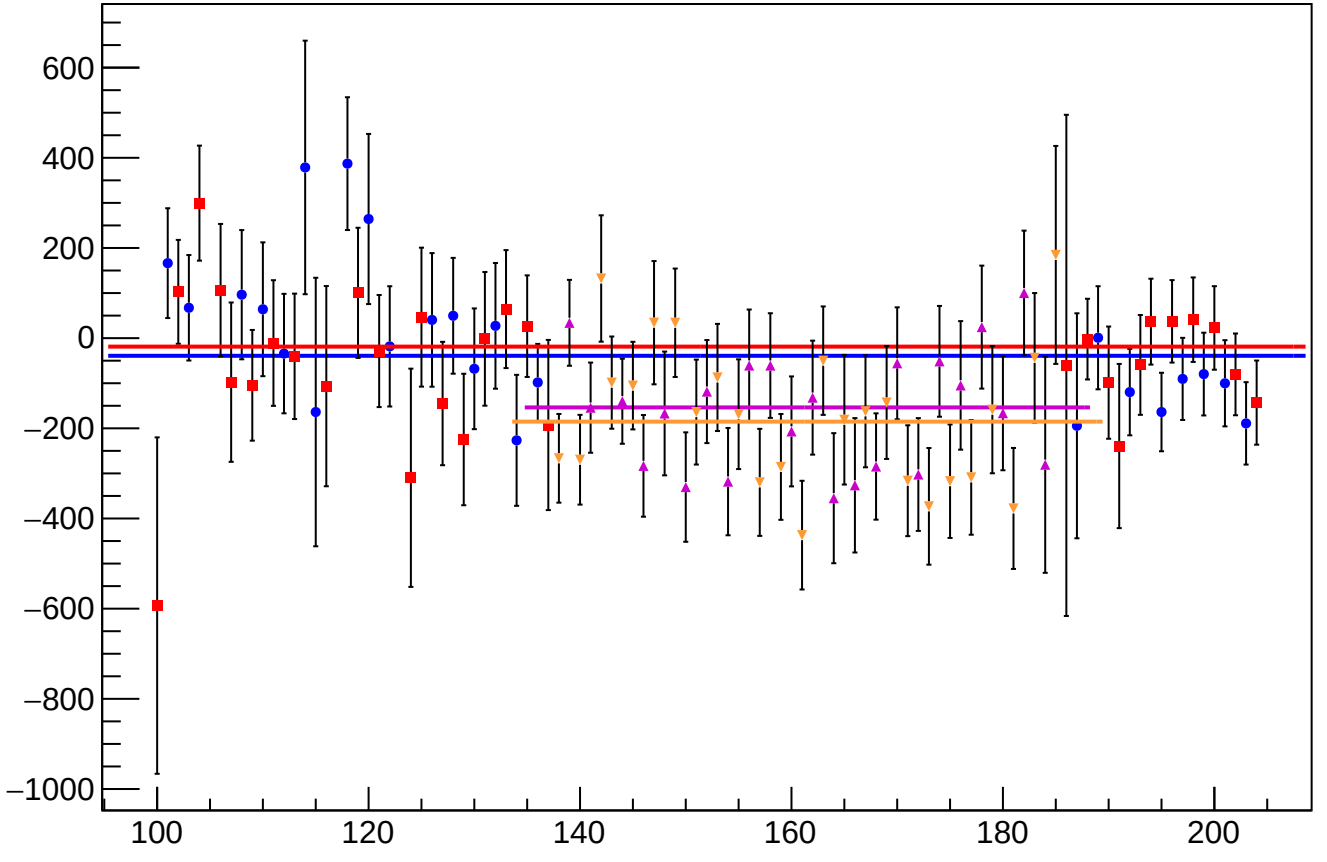
Right: 0.000+/-0.000 χ^2/NDF: 14238570.2/53

In: 0.000+/-0.000 χ^2/NDF:9601523.1/46

Out: 0.000+/-0.000 χ^2/NDF:13889229.6/54

All: 0.000+/-0.000 χ^2/NDF: 23676568.2/101

reg_asym_sam_15_dd_mean vs Slug, Sign Corrected



Right In: -39.144+/-24.652 χ^2/NDF: 28.5/23

Left Out: -185.146+/-24.452 χ^2/NDF:33.1/24

Right Out: -18.787+/-22.963 χ^2/NDF: 23.5/29

Left In: -153.627+/-25.538 χ^2/NDF:23.5/22

Left: -170.071+/-17.662 χ^2/NDF: 57.4/47

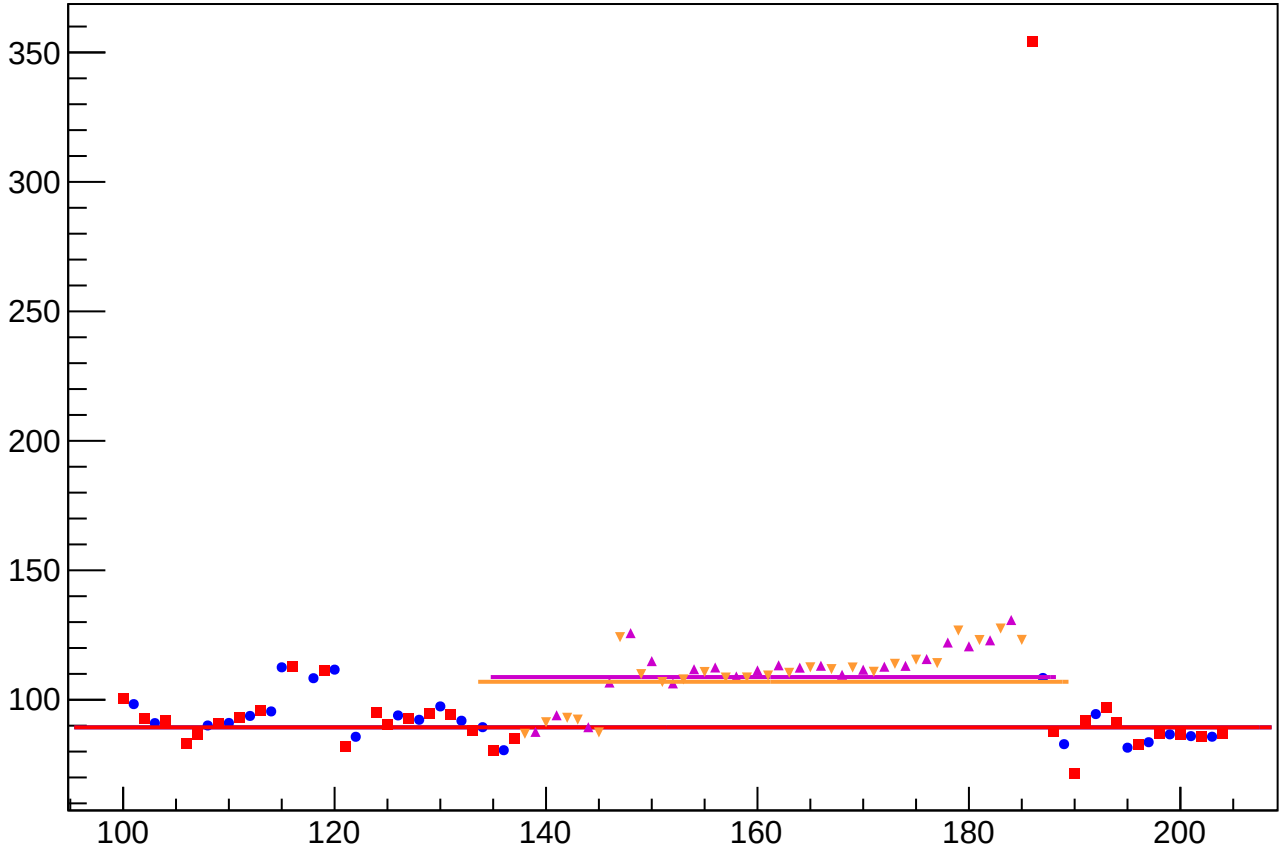
Right: -28.245+/-16.803 χ^2/NDF: 52.3/53

In: -94.364+/-17.736 χ^2/NDF:62.4/46

Out: -96.747+/-16.739 χ^2/NDF:81.2/54

All: -95.625+/-12.174 χ^2/NDF: 143.6/101

reg_asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 89.355+/-0.017 χ^2/NDF: 177184.0/23

Left Out: 106.954+/-0.017 χ^2/NDF:464271.3/24

Right Out: 89.359+/-0.016 χ^2/NDF: 636775.9/29

Left In: 108.781+/-0.018 χ^2/NDF:358436.3/22

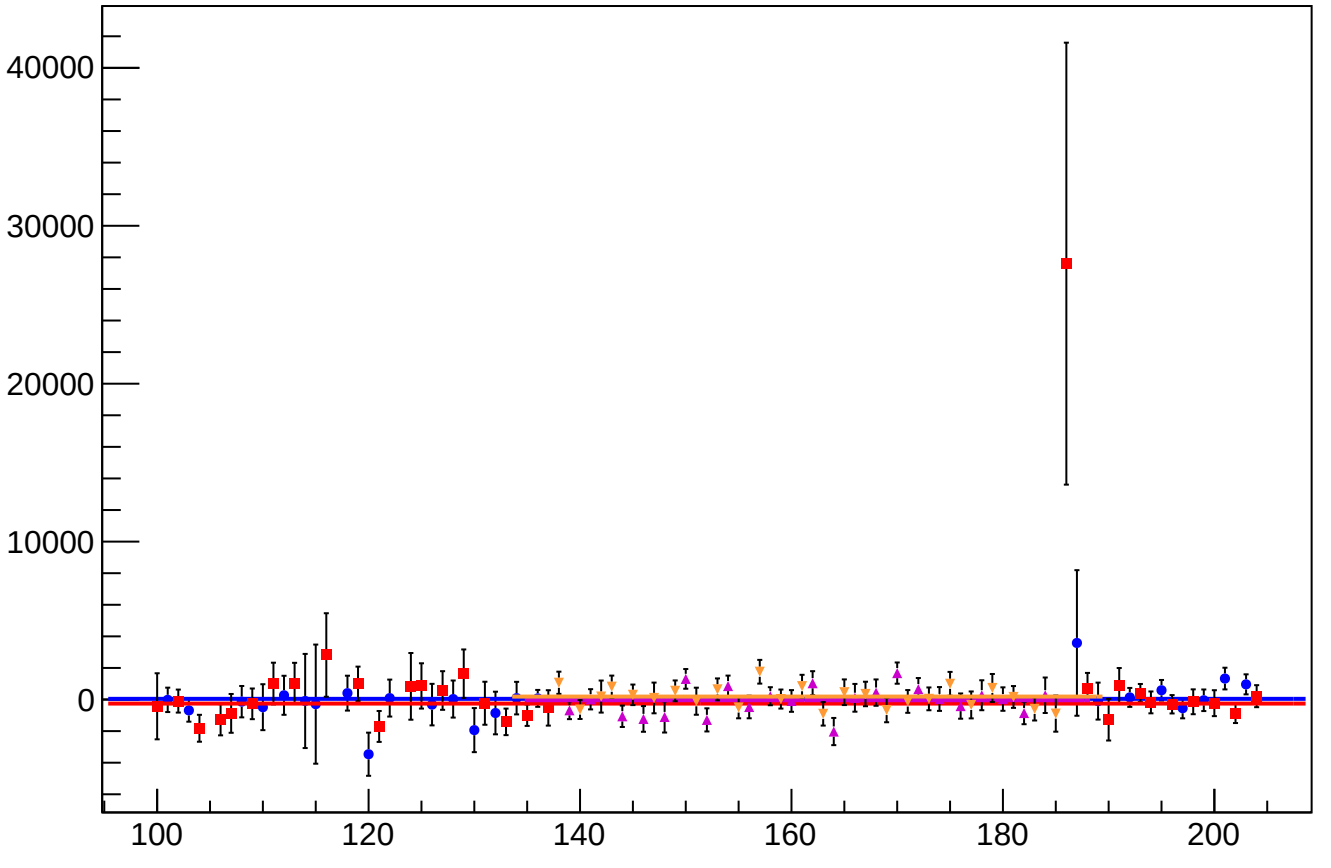
Left: 107.828+/-0.012 χ^2/NDF: 828045.2/47

Right: 89.357+/-0.012 χ^2/NDF: 813960.0/53

In: 98.725+/-0.013 χ^2/NDF:1134652.4/46

Out: 97.604+/-0.012 χ^2/NDF:1651308.1/54

All: 98.132+/-0.009 χ^2/NDF: 2790181.0/101



Right In: 43.060+/-182.809 χ^2/NDF: 18.3/23

Left Out: 186.456+/-148.819 χ^2/NDF:19.1/24

Right Out: -256.168+/-170.434 χ^2/NDF: 26.9/29

Left In: -43.249+/-152.059 χ^2/NDF:33.7/22

Left: 74.077+/-106.358 χ^2/NDF: 53.9/47

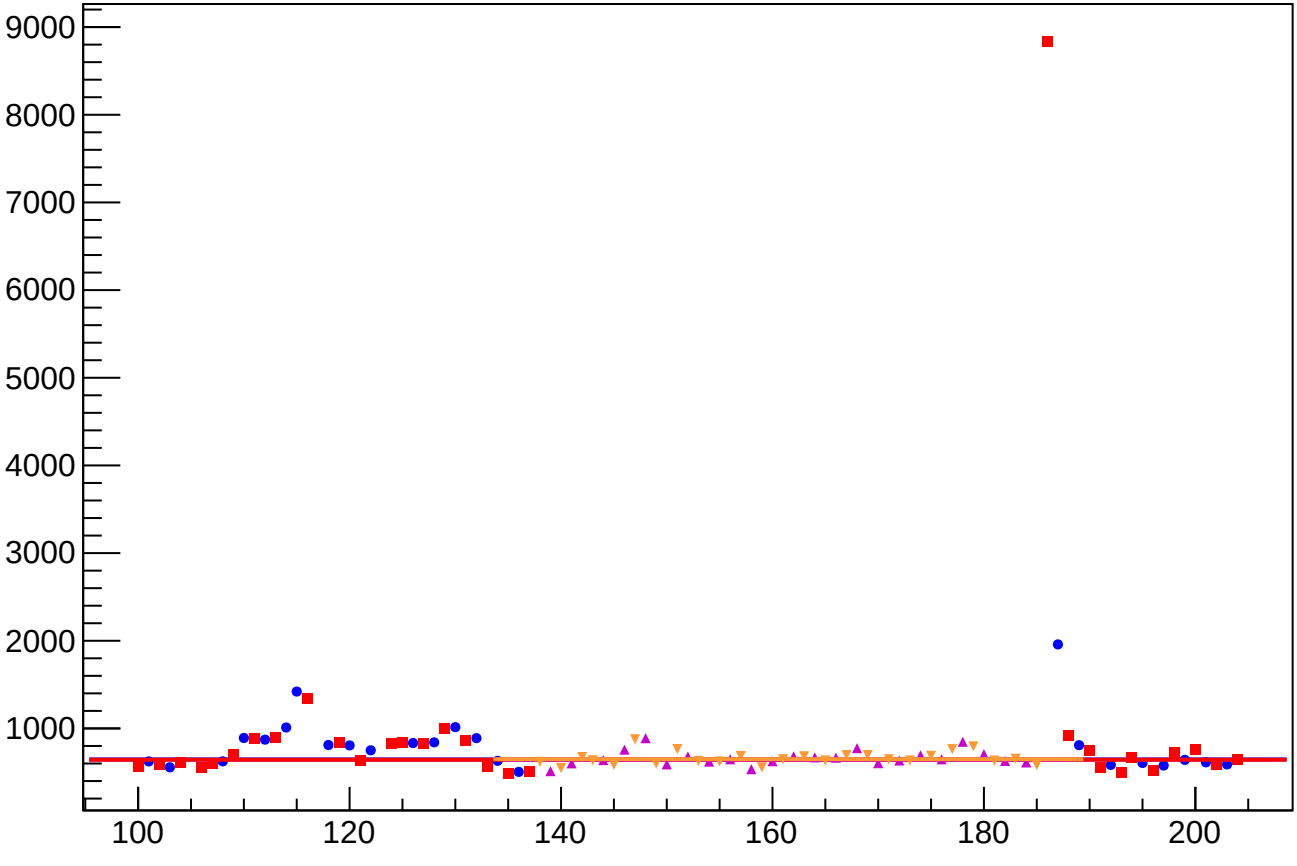
Right: -117.024+/-124.661 χ^2/NDF: 46.6/53

In: -7.954+/-116.904 χ^2/NDF:52.1/46

Out: -5.025+/-112.099 χ^2/NDF:49.8/54

All: -6.428+/-80.911 χ^2/NDF: 101.9/101

asym_sam_15_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 646.527+/-0.129 χ^2/NDF: 1073995.9/23

Left Out: 649.189+/-0.105 χ^2/NDF:418364.7/24

Right Out: 643.138+/-0.121 χ^2/NDF: 1966417.8/29

Left In: 644.072+/-0.108 χ^2/NDF:559119.9/22

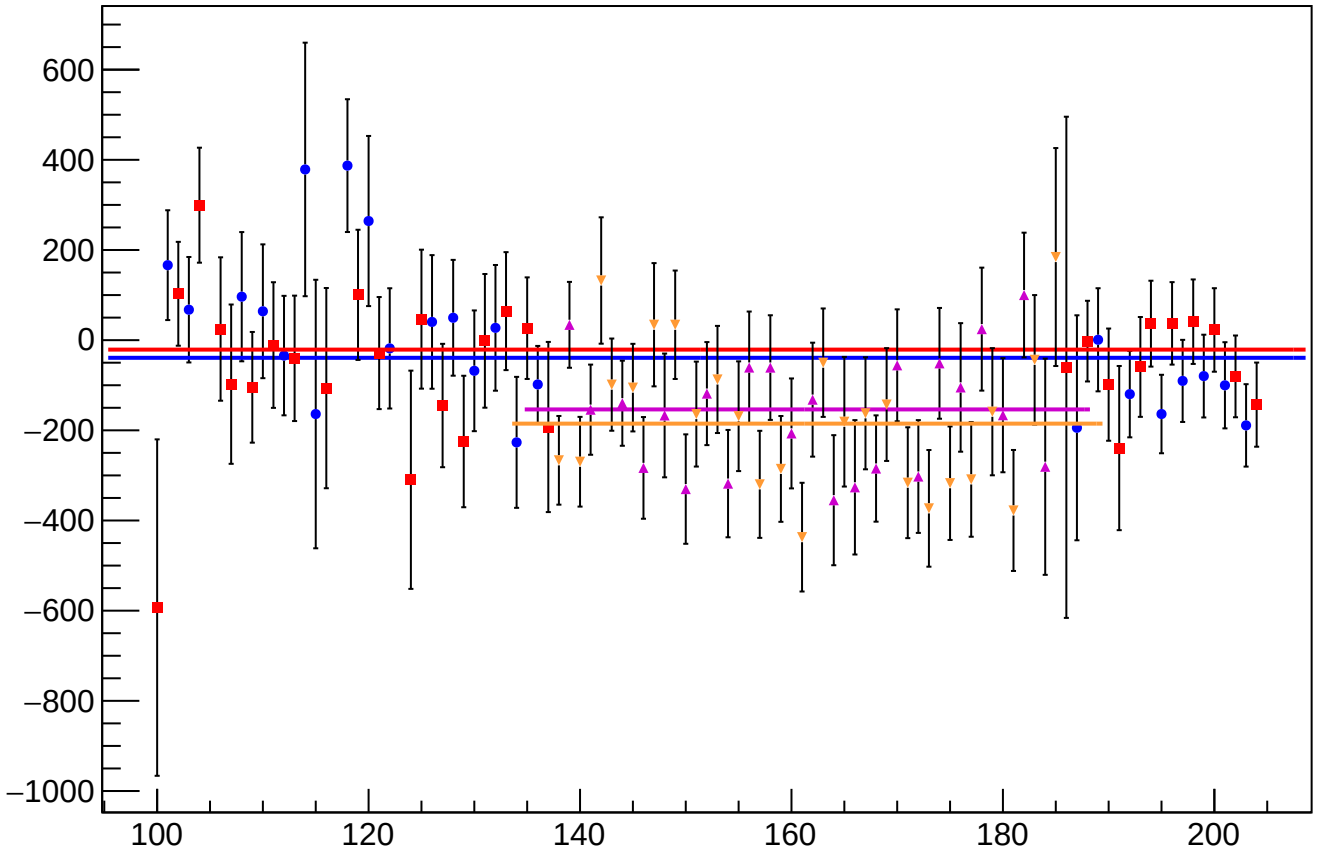
Left: 646.686+/-0.075 χ^2/NDF: 978641.3/47

Right: 644.714+/-0.088 χ^2/NDF: 3040781.4/53

In: 645.076+/-0.083 χ^2/NDF:1633328.8/46

Out: 646.571+/-0.079 χ^2/NDF:2386213.0/54

All: 645.855+/-0.057 χ^2/NDF: 4019712.3/101



Right In: -39.138+/-24.652 χ^2/NDF: 28.5/23

Left Out: -185.148+/-24.452 χ^2/NDF:33.0/24

Right Out: -20.954+/-23.005 χ^2/NDF: 22.8/29

Left In: -153.632+/-25.538 χ^2/NDF:23.5/22

Left: -170.074+/-17.662 χ^2/NDF: 57.4/47

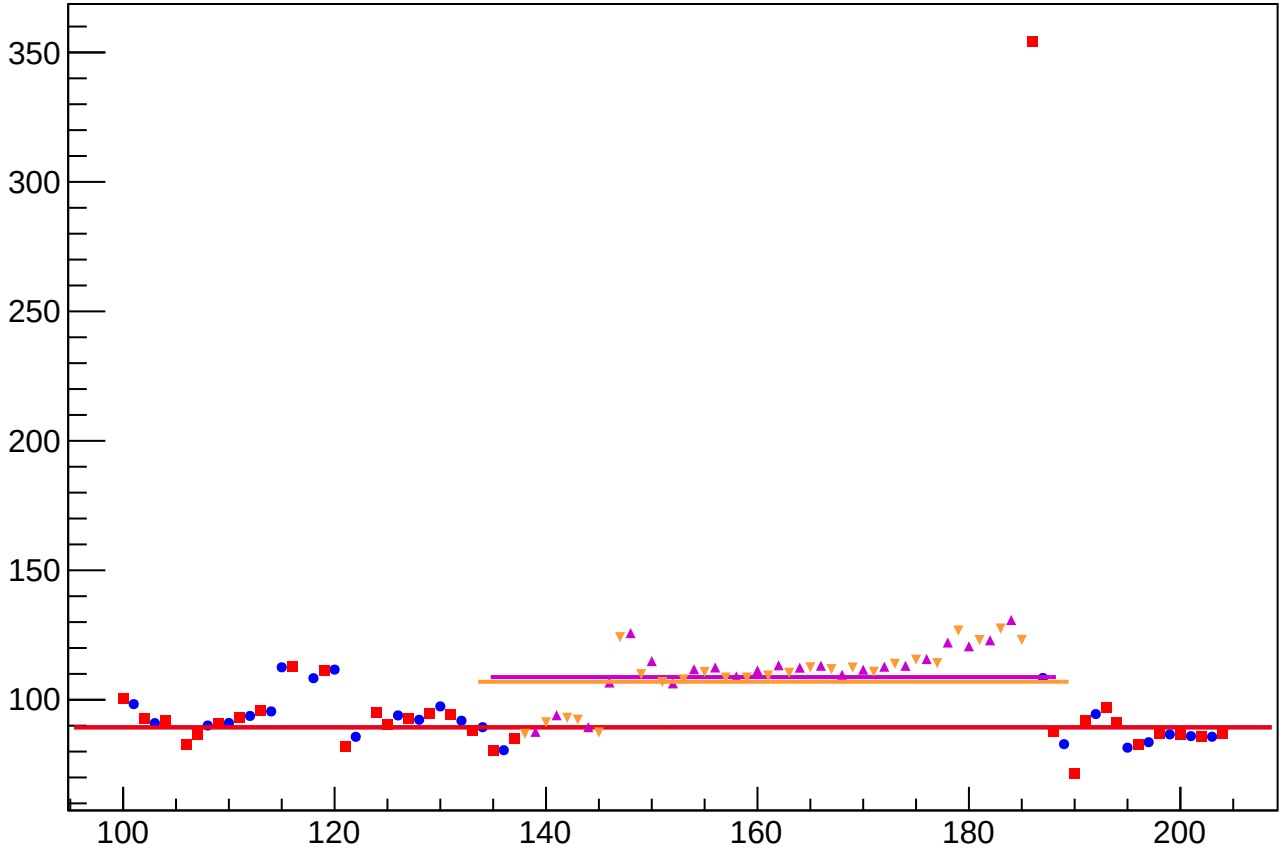
Right: -29.418+/-16.819 χ^2/NDF: 51.6/53

In: -94.364+/-17.736 χ^2/NDF:62.4/46

Out: -98.048+/-16.755 χ^2/NDF:79.8/54

All: -96.310+/-12.180 χ^2/NDF: 142.2/101

cor_asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 89.355+/-0.017 χ^2/NDF: 177184.0/23

Left Out: 106.954+/-0.017 χ^2/NDF:464271.4/24

Right Out: 89.370+/-0.016 χ^2/NDF: 636811.9/29

Left In: 108.781+/-0.018 χ^2/NDF:358436.4/22

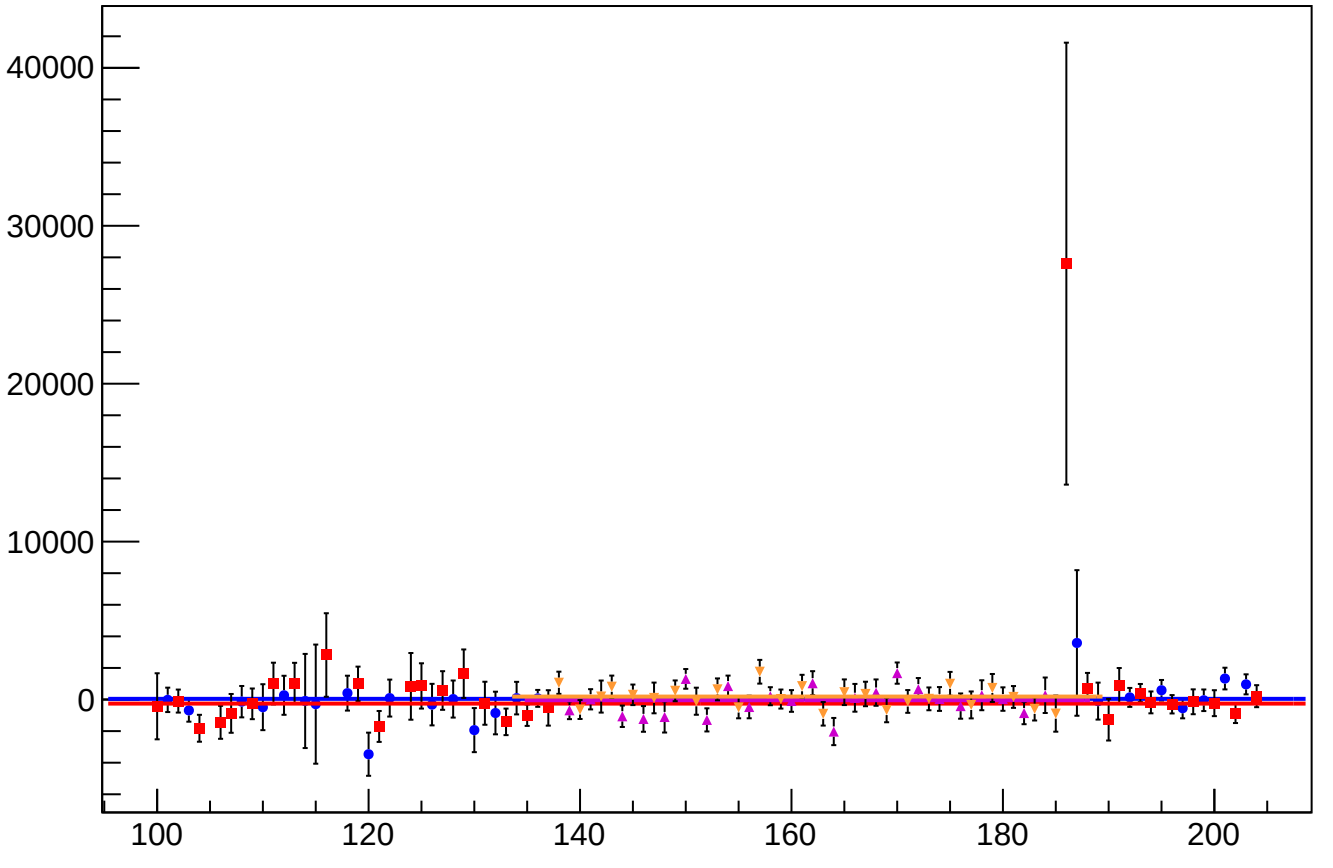
Left: 107.828+/-0.012 χ^2/NDF: 828045.3/47

Right: 89.363+/-0.012 χ^2/NDF: 813996.4/53

In: 98.725+/-0.013 χ^2/NDF:1134652.4/46

Out: 97.626+/-0.012 χ^2/NDF:1649723.6/54

All: 98.144+/-0.009 χ^2/NDF: 2788431.0/101



Right In: 43.061+/-182.809 χ^2/NDF: 18.3/23

Left Out: 186.450+/-148.819 χ^2/NDF:19.1/24

Right Out: -257.304+/-170.700 χ^2/NDF: 27.1/29

Left In: -43.251+/-152.059 χ^2/NDF:33.7/22

Left: 74.072+/-106.358 χ^2/NDF: 53.9/47

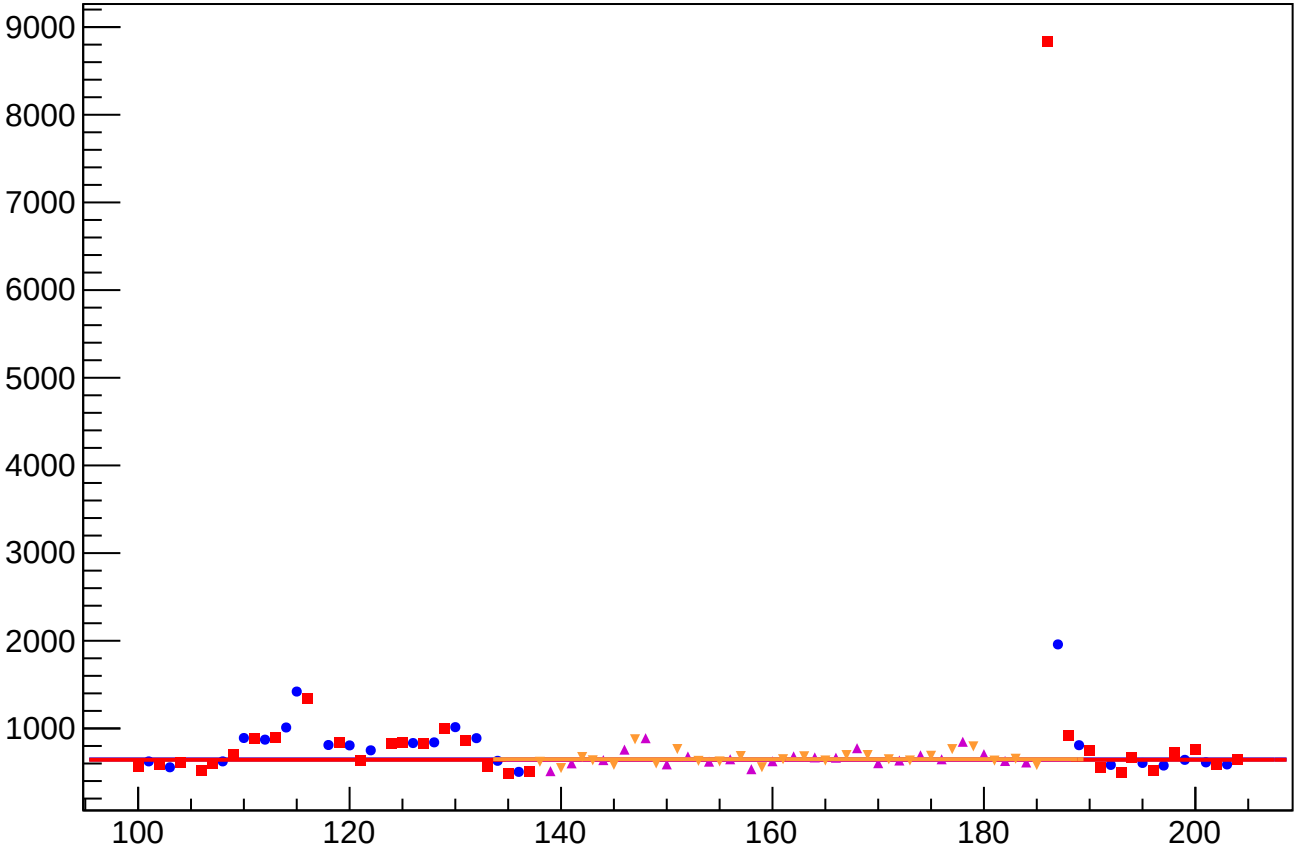
Right: -117.399+/-124.764 χ^2/NDF: 46.9/53

In: -7.955+/-116.904 χ^2/NDF:52.1/46

Out: -5.181+/-112.175 χ^2/NDF:50.0/54

All: -6.511+/-80.940 χ^2/NDF: 102.2/101

asym_sam_15_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 646.527+/-0.129 χ^2/NDF: 1073996.0/23

Left Out: 649.189+/-0.105 χ^2/NDF:418365.4/24

Right Out: 642.680+/-0.121 χ^2/NDF: 1975496.4/29

Left In: 644.072+/-0.108 χ^2/NDF:559121.0/22

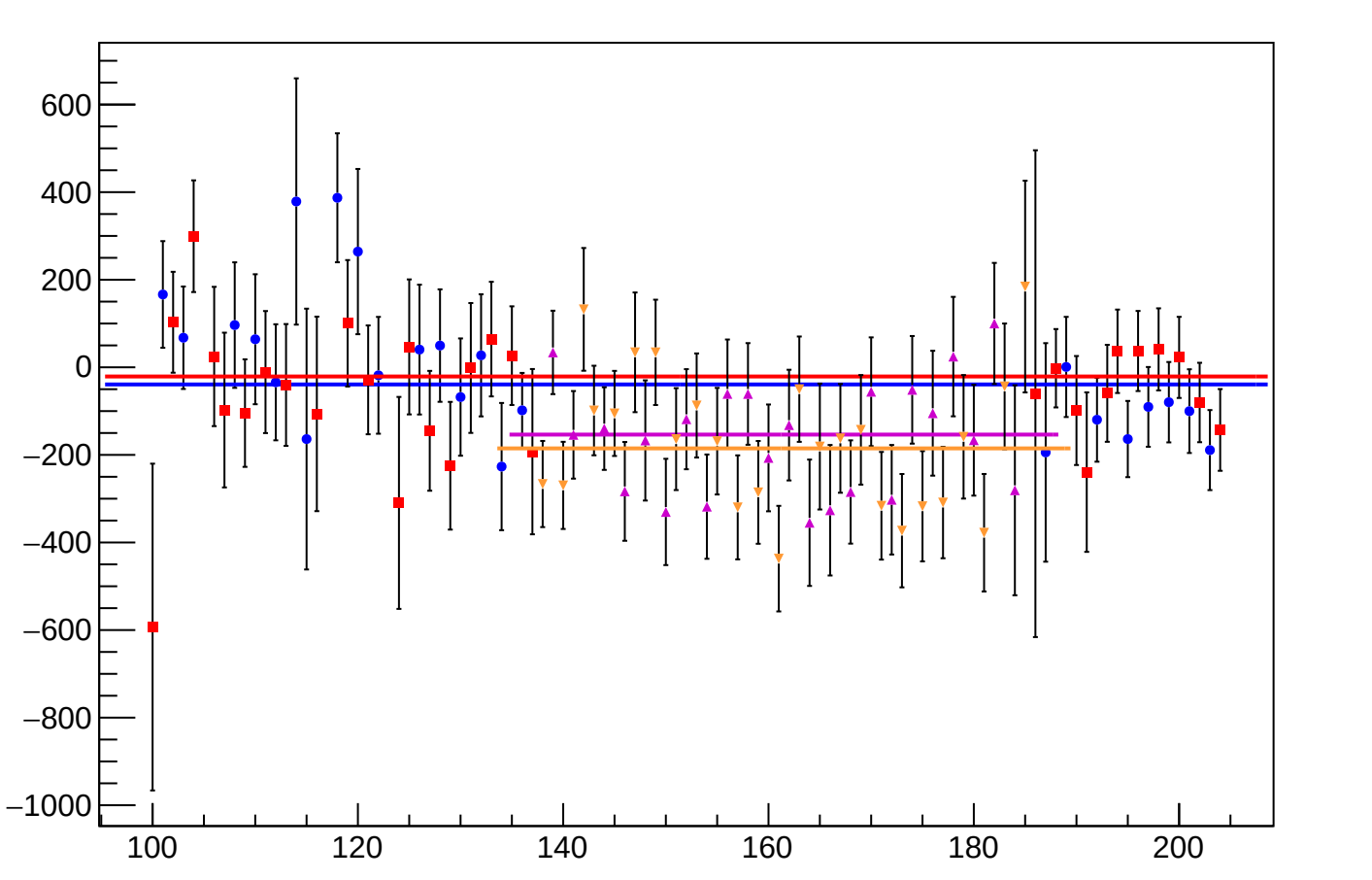
Left: 646.686+/-0.075 χ^2/NDF: 978643.1/47

Right: 644.472+/-0.088 χ^2/NDF: 3049965.4/53

In: 645.076+/-0.083 χ^2/NDF:1633330.0/46

Out: 646.378+/-0.079 χ^2/NDF:2395514.0/54

All: 645.754+/-0.057 χ^2/NDF: 4028973.3/101



Right In: -39.138+/-24.652 χ^2/NDF: 28.5/23

Left Out: -185.148+/-24.452 χ^2/NDF:33.0/24

Right Out: -20.954+/-23.005 χ^2/NDF: 22.8/29

Left In: -153.632+/-25.538 χ^2/NDF:23.5/22

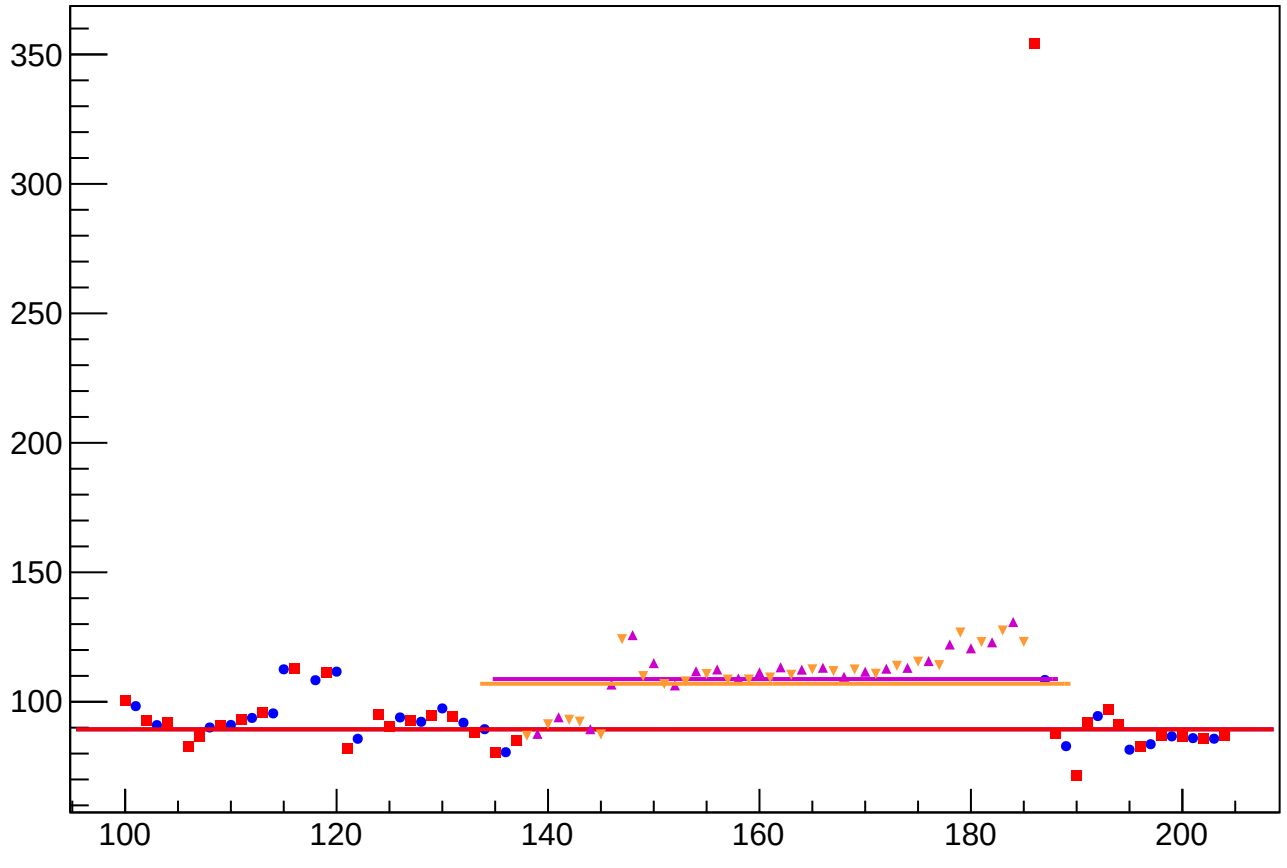
Left: -170.074+/-17.662 χ^2/NDF: 57.4/47

Right: -29.418+/-16.819 χ^2/NDF: 51.6/53

In: -94.364+/-17.736 χ^2/NDF:62.4/46

Out: -98.048+/-16.755 χ^2/NDF:79.8/54

All: -96.310+/-12.180 χ^2/NDF: 142.2/101



Right In: 89.355+/-0.017 χ^2/NDF: 177184.0/23

Left Out: 106.954+/-0.017 χ^2/NDF:464271.4/24

Right Out: 89.370+/-0.016 χ^2/NDF: 636811.9/29

Left In: 108.781+/-0.018 χ^2/NDF:358436.4/22

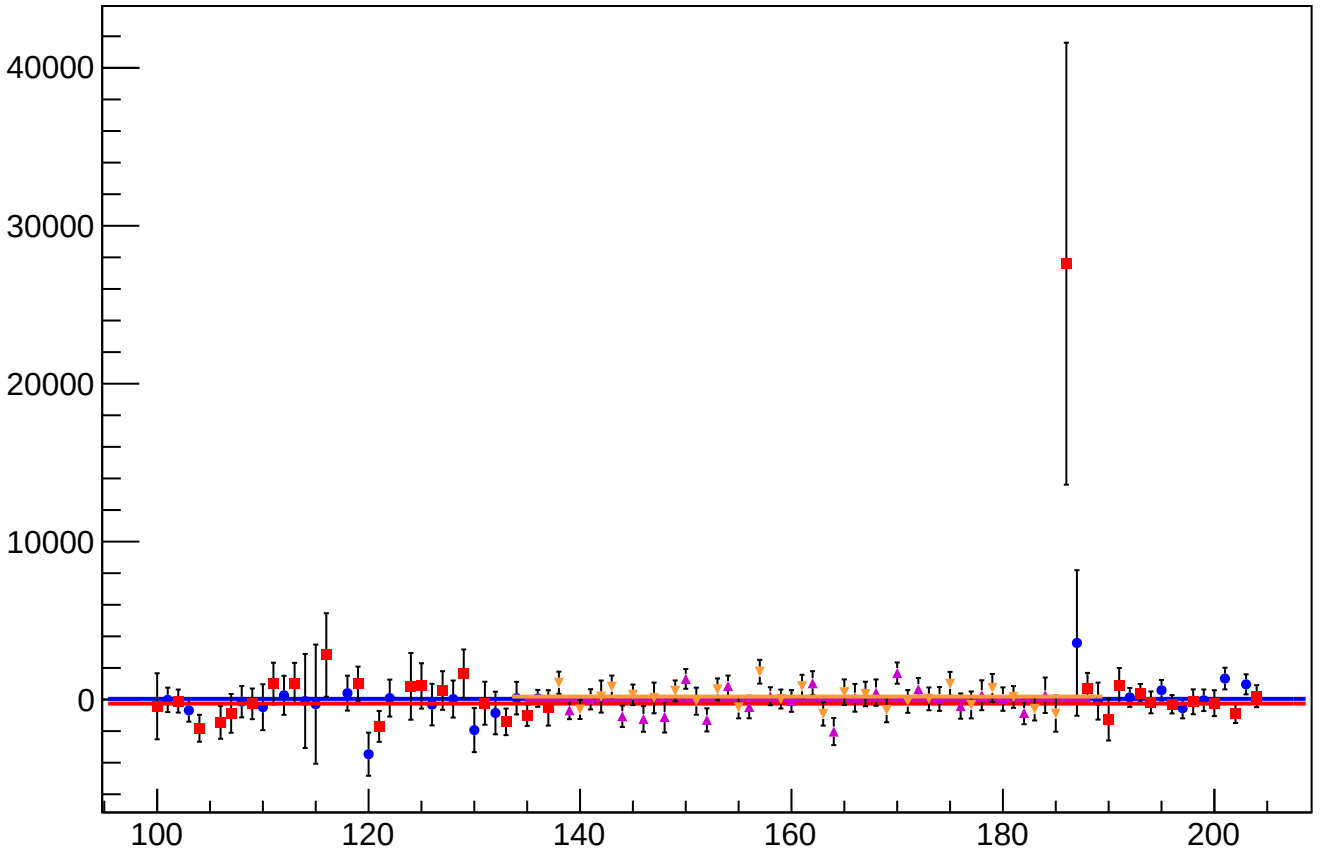
Left: 107.828+/-0.012 χ^2/NDF: 828045.3/47

Right: 89.363+/-0.012 χ^2/NDF: 813996.4/53

In: 98.725+/-0.013 χ^2/NDF:1134652.4/46

Out: 97.626+/-0.012 χ^2/NDF:1649723.6/54

All: 98.144+/-0.009 χ^2/NDF: 2788431.0/101



Right In: 43.061+/-182.809 χ^2/NDF: 18.3/23

Left Out: 186.450+/-148.819 χ^2/NDF:19.1/24

Right Out: -257.304+/-170.700 χ^2/NDF: 27.1/29

Left In: -43.251+/-152.059 χ^2/NDF:33.7/22

Left: 74.072+/-106.358 χ^2/NDF: 53.9/47

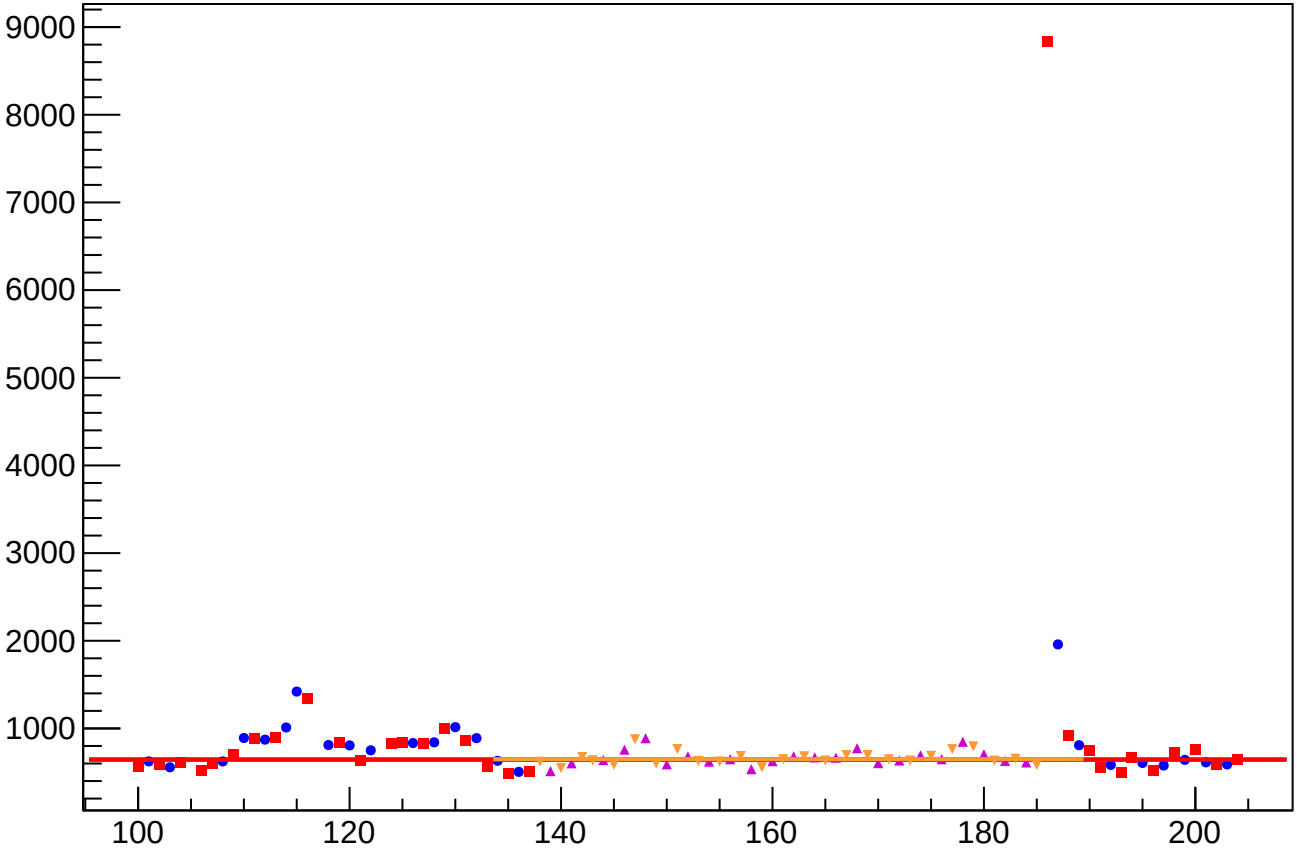
Right: -117.399+/-124.764 χ^2/NDF: 46.9/53

In: -7.955+/-116.904 χ^2/NDF:52.1/46

Out: -5.181+/-112.175 χ^2/NDF:50.0/54

All: -6.511+/-80.940 χ^2/NDF: 102.2/101

asym_sam_15_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 646.527+/-0.129 χ^2/NDF: 1073996.0/23

Left Out: 649.189+/-0.105 χ^2/NDF:418365.4/24

Right Out: 642.680+/-0.121 χ^2/NDF: 1975496.4/29

Left In: 644.072+/-0.108 χ^2/NDF:559121.0/22

Left: 646.686+/-0.075 χ^2/NDF: 978643.1/47

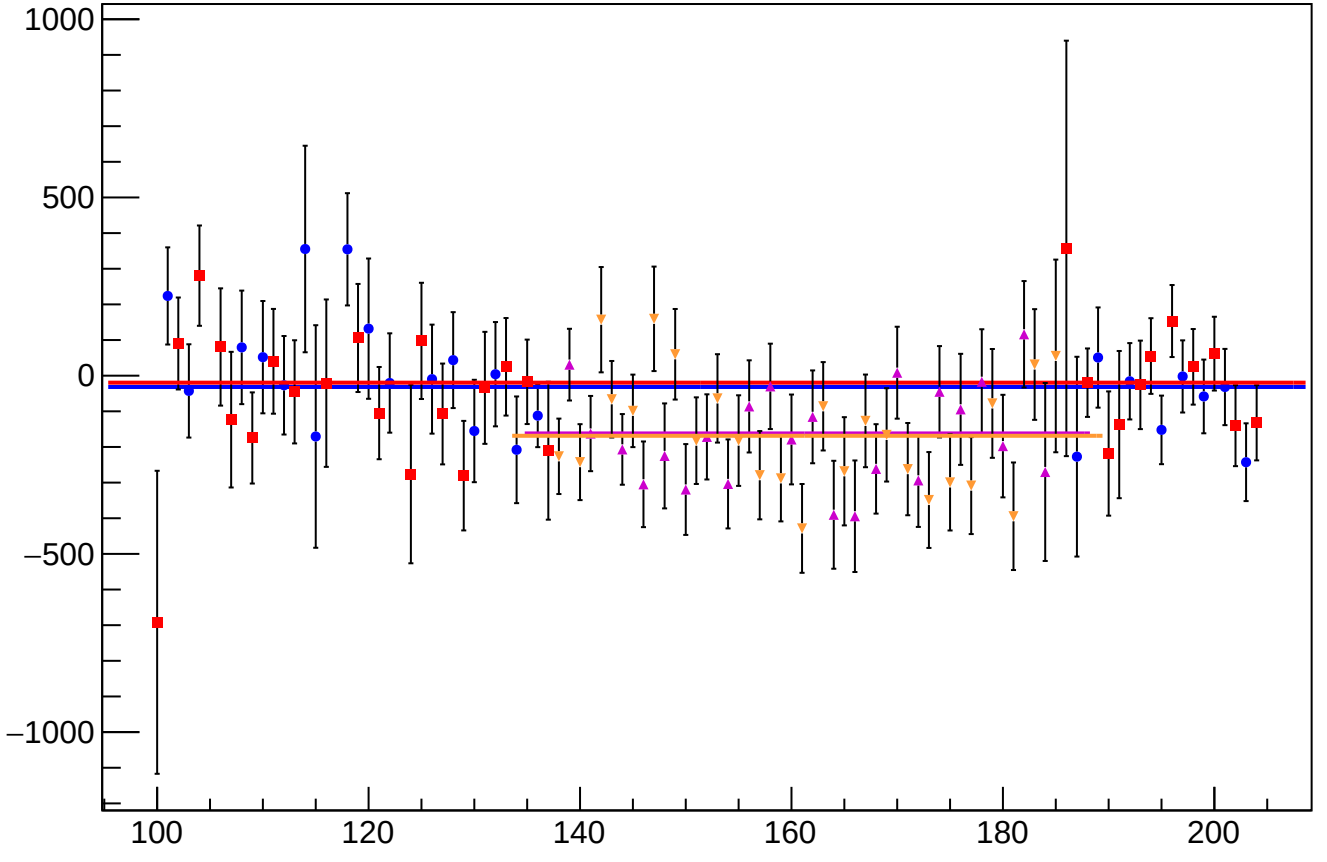
Right: 644.472+/-0.088 χ^2/NDF: 3049965.4/53

In: 645.076+/-0.083 χ^2/NDF:1633330.0/46

Out: 646.378+/-0.079 χ^2/NDF:2395514.0/54

All: 645.754+/-0.057 χ^2/NDF: 4028973.3/101

dit_asym_sam_15_dd_mean vs Slug, Sign Corrected



Right In: -31.719+/-27.003 χ^2/NDF: 22.7/23

Left Out: -168.634+/-25.819 χ^2/NDF:32.4/24

Right Out: -19.585+/-25.285 χ^2/NDF: 25.7/29

Left In: -162.028+/-26.948 χ^2/NDF:23.6/22

Left: -165.472+/-18.643 χ^2/NDF: 56.0/47

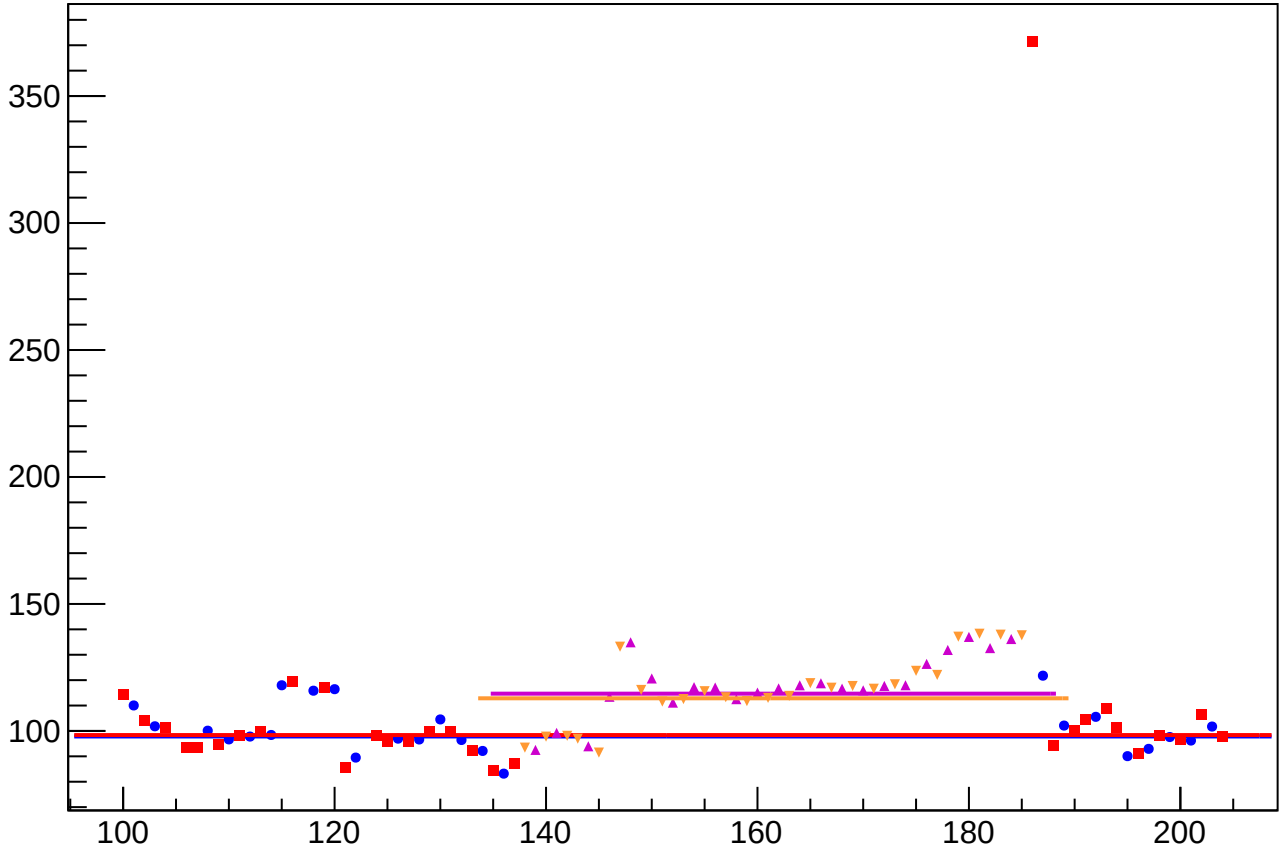
Right: -25.254+/-18.457 χ^2/NDF: 48.5/53

In: -97.008+/-19.074 χ^2/NDF:57.9/46

Out: -92.552+/-18.065 χ^2/NDF:75.1/54

All: -94.659+/-13.116 χ^2/NDF: 133.0/101

dit_asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 97.822+/-0.019 χ^2/NDF: 188191.7/23

Left Out: 112.850+/-0.018 χ^2/NDF:512260.6/24

Right Out: 98.374+/-0.018 χ^2/NDF: 599572.4/29

Left In: 114.677+/-0.019 χ^2/NDF:409932.2/22

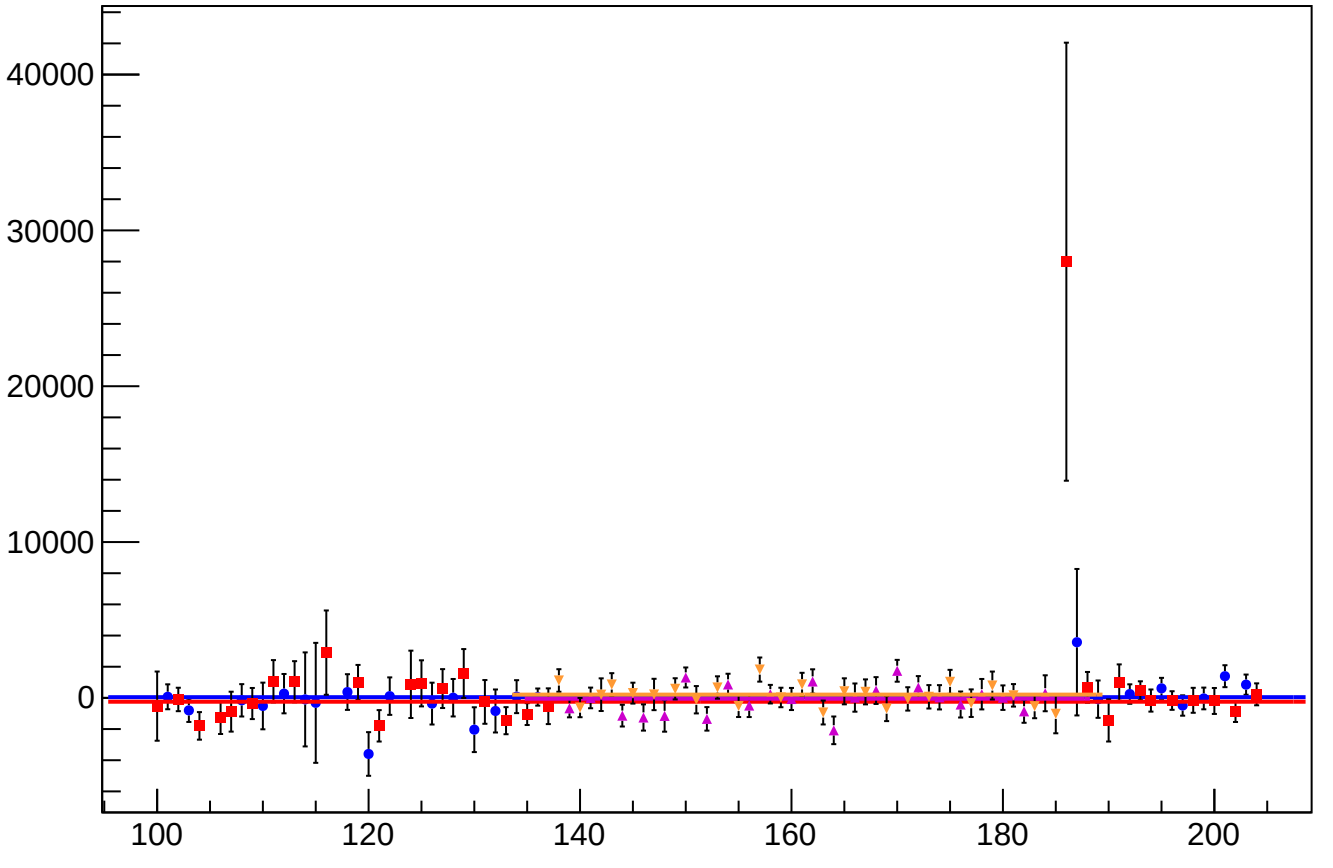
Left: 113.724+/-0.013 χ^2/NDF: 926988.8/47

Right: 98.116+/-0.013 χ^2/NDF: 788209.8/53

In: 106.267+/-0.013 χ^2/NDF:988555.6/46

Out: 105.460+/-0.013 χ^2/NDF:1432733.2/54

All: 105.842+/-0.009 χ^2/NDF: 2423173.0/101



Right In: 45.507+/-187.987 χ^2/NDF: 18.3/23

Left Out: 209.377+/-153.925 χ^2/NDF:18.9/24

Right Out: -245.446+/-175.889 χ^2/NDF: 26.8/29

Left In: -50.266+/-157.485 χ^2/NDF:33.3/22

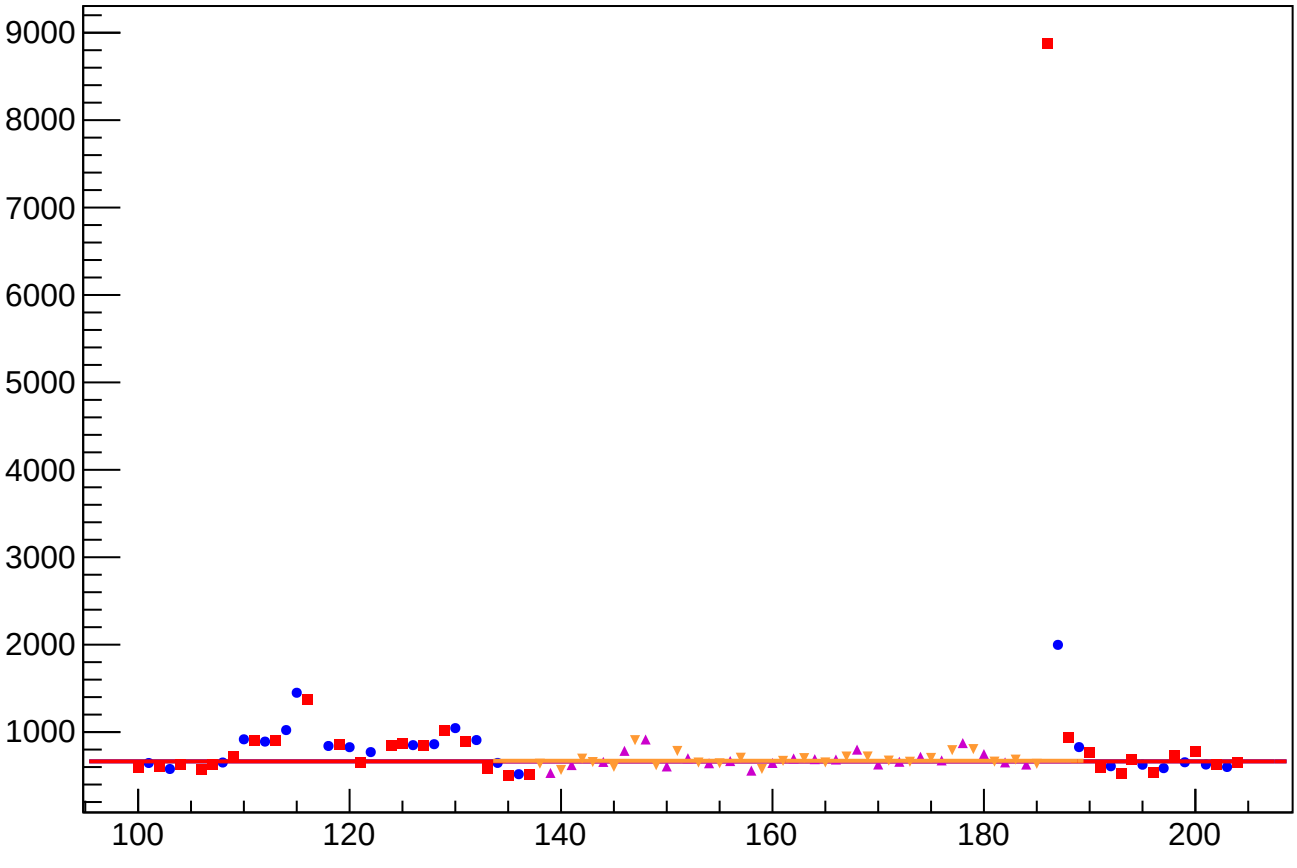
Left: 82.523+/-110.079 χ^2/NDF: 53.6/47

Right: -109.633+/-128.437 χ^2/NDF: 46.4/53

In: -10.770+/-120.721 χ^2/NDF:51.7/46

Out: 12.120+/-115.833 χ^2/NDF:49.5/54

All: 1.148+/-83.581 χ^2/NDF: 101.2/101



Right In: 665.220+/-0.133 χ^2/NDF: 1061811.7/23

Left Out: 671.849+/-0.109 χ^2/NDF:399159.9/24

Right Out: 664.869+/-0.124 χ^2/NDF: 1888543.2/29

Left In: 667.341+/-0.111 χ^2/NDF:546903.6/22

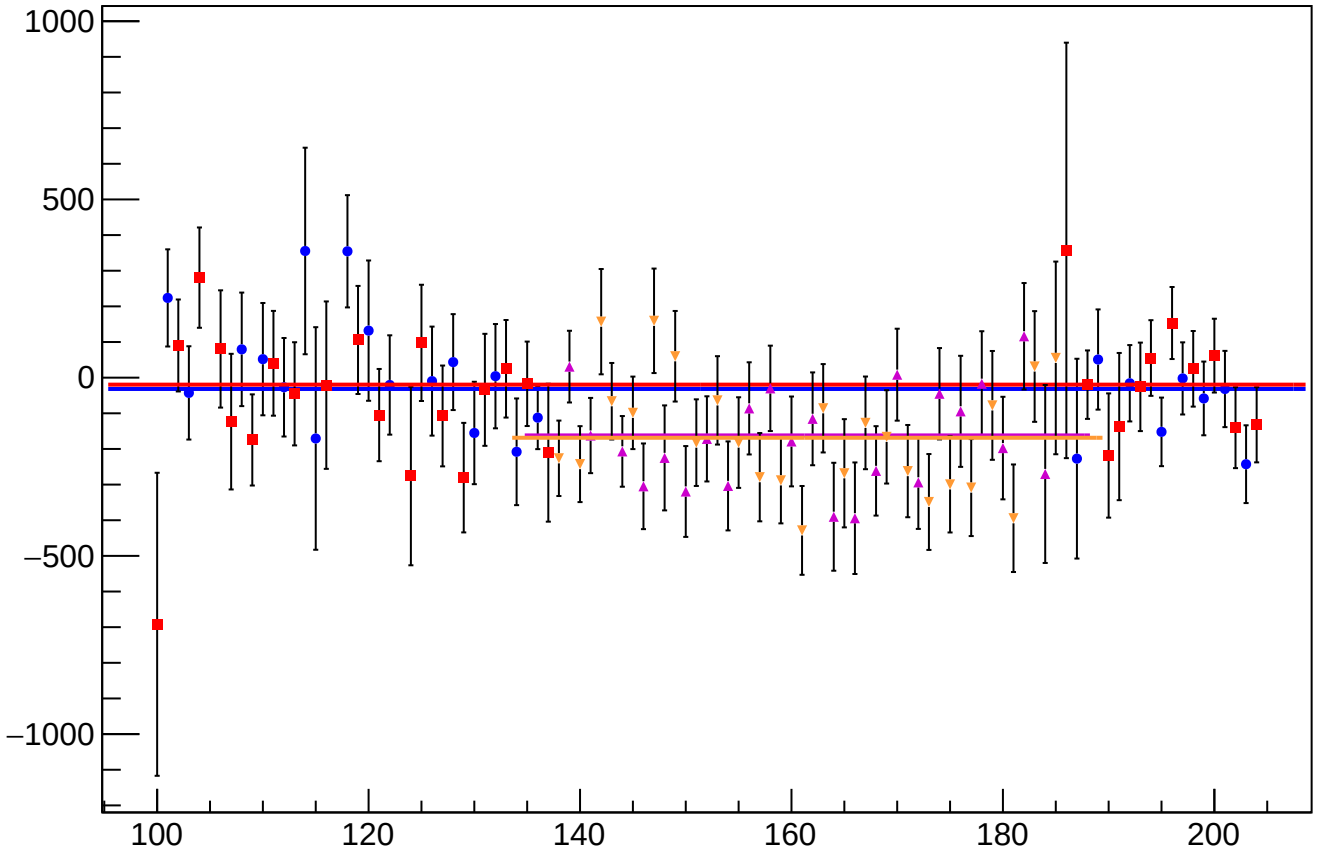
Left: 669.646+/-0.078 χ^2/NDF: 946901.4/47

Right: 665.033+/-0.091 χ^2/NDF: 2950358.6/53

In: 666.467+/-0.085 χ^2/NDF:1608864.9/46

Out: 668.821+/-0.082 χ^2/NDF:2289486.8/54

All: 667.693+/-0.059 χ^2/NDF: 3898747.8/101



Right In: -31.719+/-27.003 χ^2/NDF: 22.7/23

Left Out: -168.635+/-25.819 χ^2/NDF:32.4/24

Right Out: -19.586+/-25.285 χ^2/NDF: 25.7/29

Left In: -162.028+/-26.948 χ^2/NDF:23.6/22

Left: -165.473+/-18.643 χ^2/NDF: 56.0/47

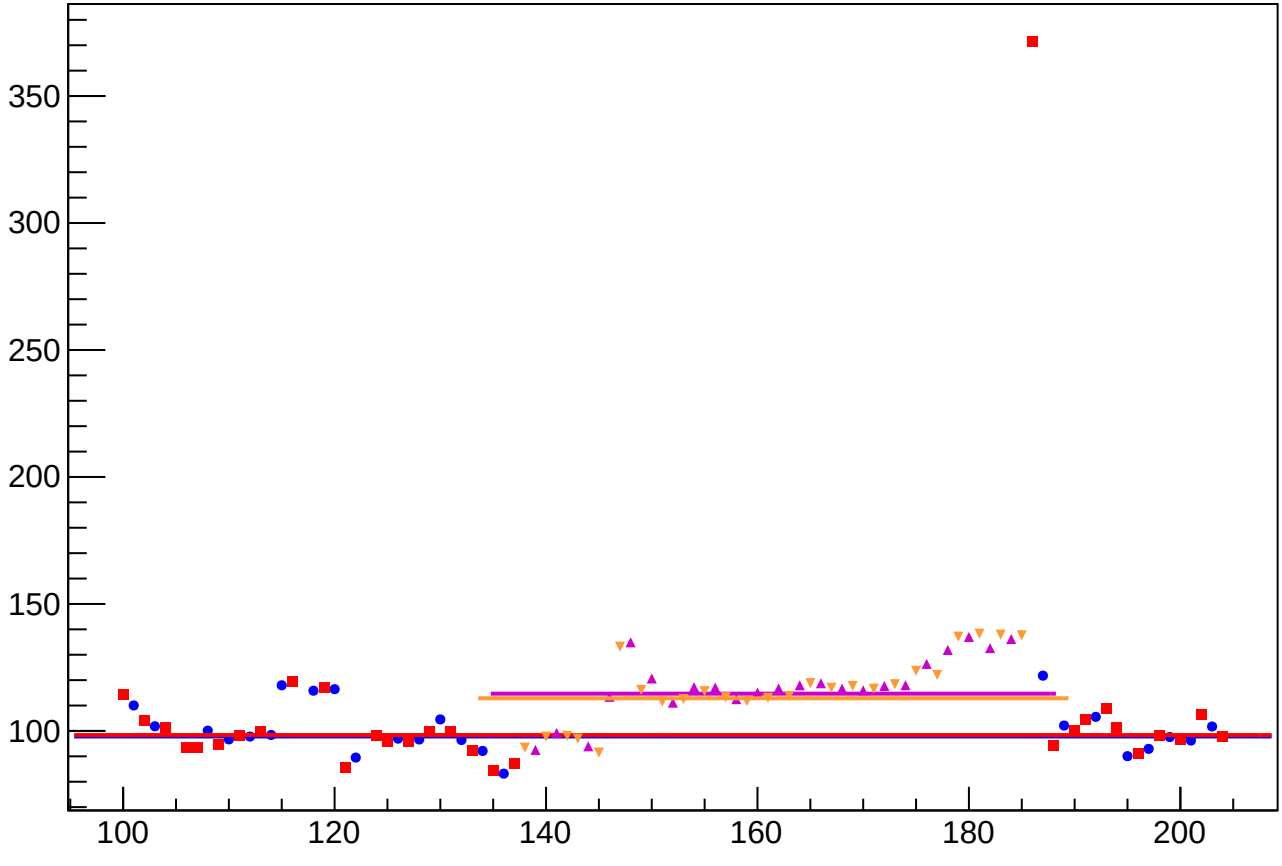
Right: -25.254+/-18.457 χ^2/NDF: 48.5/53

In: -97.008+/-19.074 χ^2/NDF:57.9/46

Out: -92.552+/-18.065 χ^2/NDF:75.1/54

All: -94.659+/-13.116 χ^2/NDF: 133.0/101

eigen_dit_asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 97.821+/-0.019 χ^2/NDF: 188195.1/23

Left Out: 112.850+/-0.018 χ^2/NDF:512254.2/24

Right Out: 98.374+/-0.018 χ^2/NDF: 599572.2/29

Left In: 114.677+/-0.019 χ^2/NDF:409929.2/22

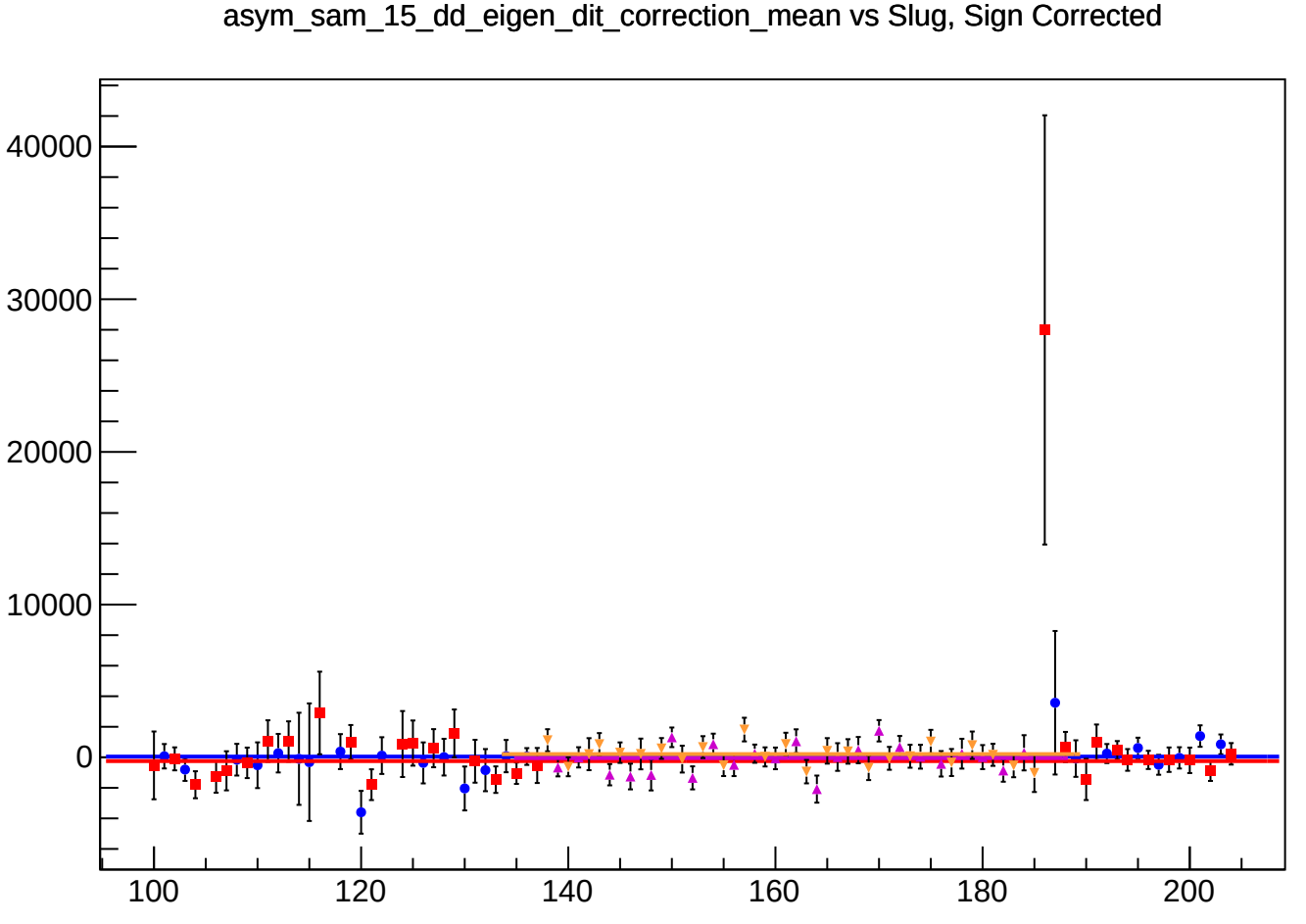
Left: 113.724+/-0.013 χ^2/NDF: 926979.7/47

Right: 98.116+/-0.013 χ^2/NDF: 788213.1/53

In: 106.267+/-0.013 χ^2/NDF:988566.5/46

Out: 105.460+/-0.013 χ^2/NDF:1432732.3/54

All: 105.842+/-0.009 χ^2/NDF: 2423183.0/101



Right In: 45.507+/-187.987 χ^2/NDF: 18.3/23

Left Out: 209.377+/-153.926 χ^2/NDF:18.9/24

Right Out: -245.447+/-175.889 χ^2/NDF: 26.8/29

Left In: -50.267+/-157.485 χ^2/NDF:33.3/22

Left: 82.523+/-110.079 χ^2/NDF: 53.6/47

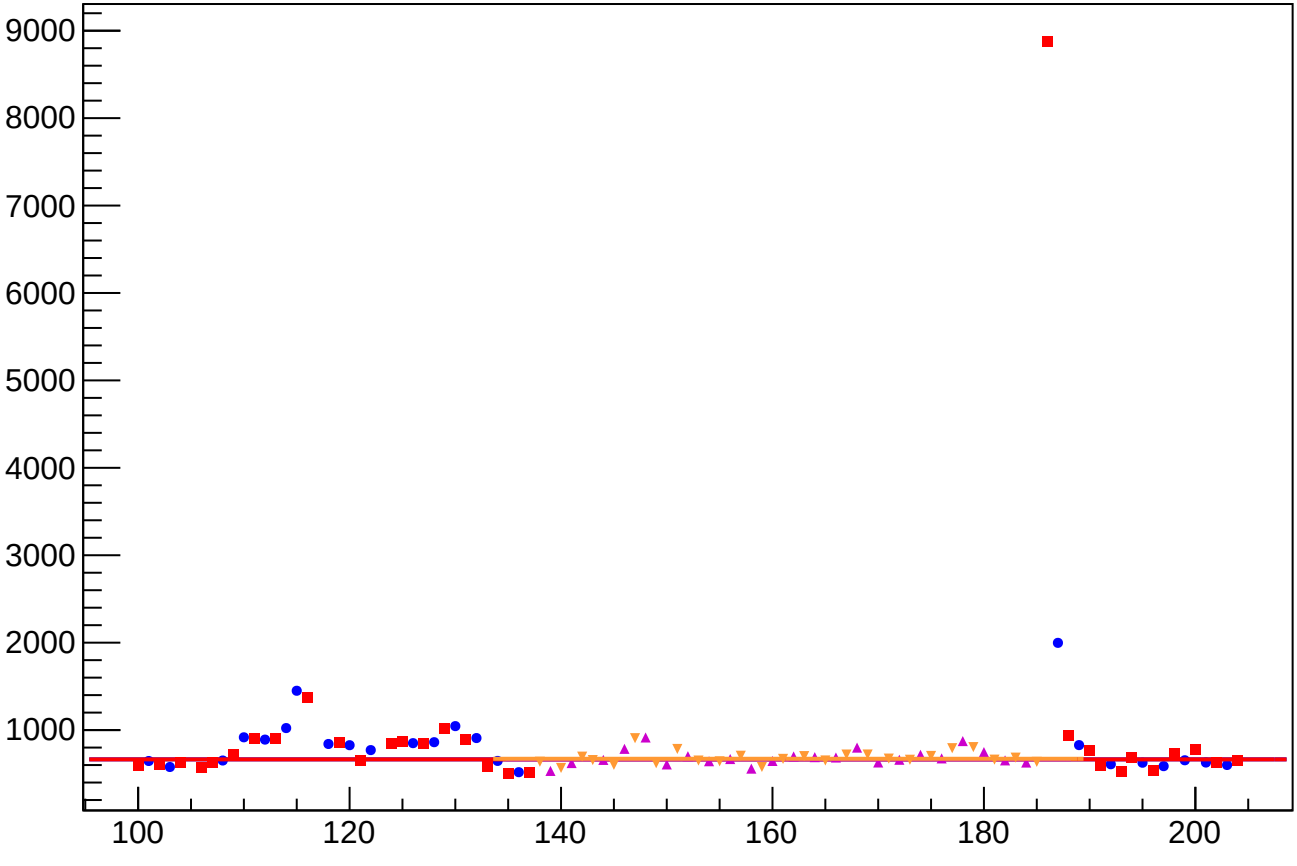
Right: -109.633+/-128.437 χ^2/NDF: 46.4/53

In: -10.770+/-120.721 χ^2/NDF:51.7/46

Out: 12.120+/-115.833 χ^2/NDF:49.5/54

All: 1.147+/-83.581 χ^2/NDF: 101.2/101

asym_sam_15_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 665.220+/-0.133 χ^2/NDF: 1061812.2/23

Left Out: 671.849+/-0.109 χ^2/NDF:399160.3/24

Right Out: 664.868+/-0.124 χ^2/NDF: 1888547.8/29

Left In: 667.342+/-0.111 χ^2/NDF:546905.8/22

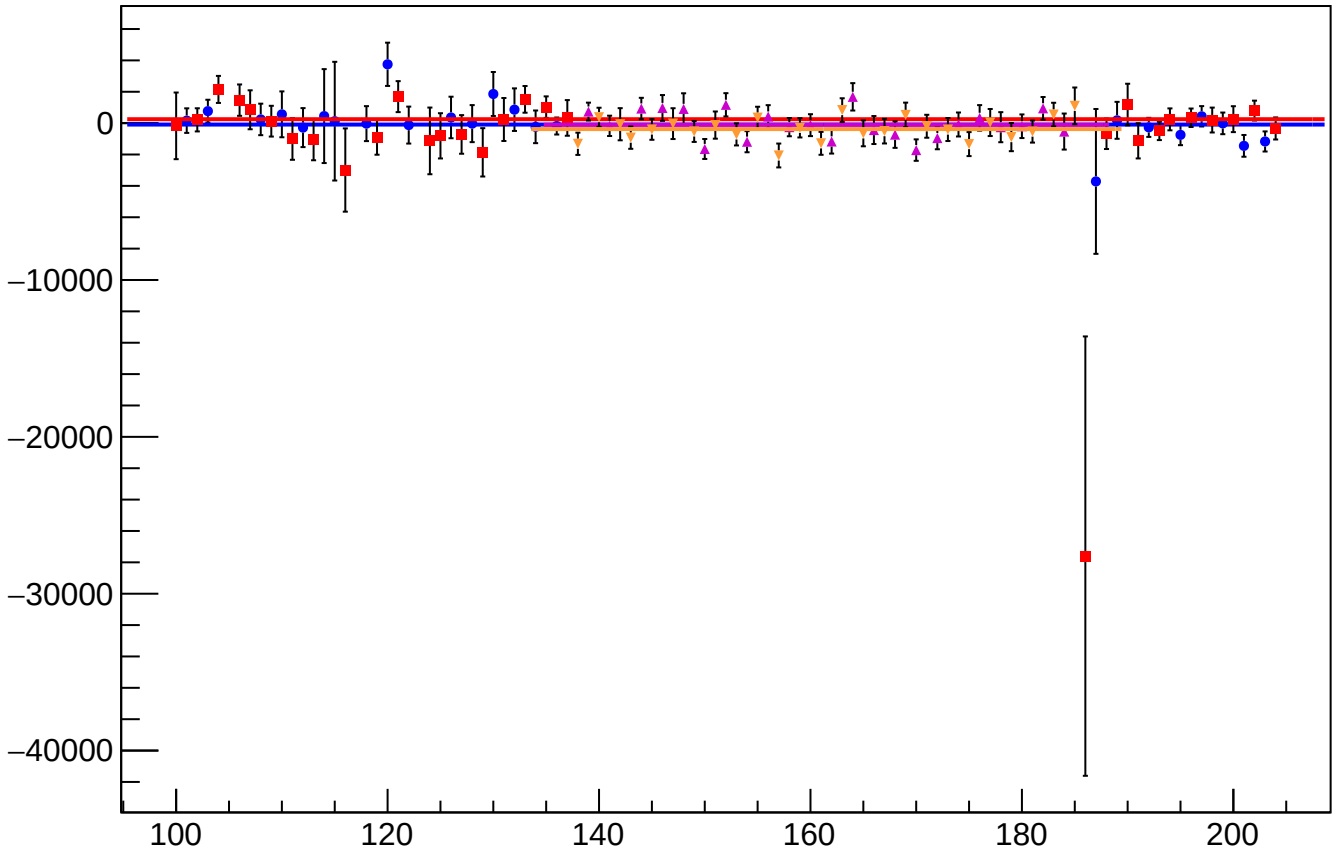
Left: 669.647+/-0.078 χ^2/NDF: 946903.9/47

Right: 665.032+/-0.091 χ^2/NDF: 2950363.8/53

In: 666.467+/-0.085 χ^2/NDF:1608867.8/46

Out: 668.821+/-0.082 χ^2/NDF:2289492.3/54

All: 667.693+/-0.059 χ^2/NDF: 3898756.2/101



Right In: -90.722+/-184.720 χ^2/NDF: 21.3/23

Left Out: -377.221+/-150.952 χ^2/NDF:21.4/24

Right Out: 250.434+/-172.299 χ^2/NDF: 30.2/29

Left In: -103.321+/-154.335 χ^2/NDF:35.5/22

Left: -243.306+/-107.915 χ^2/NDF: 58.5/47

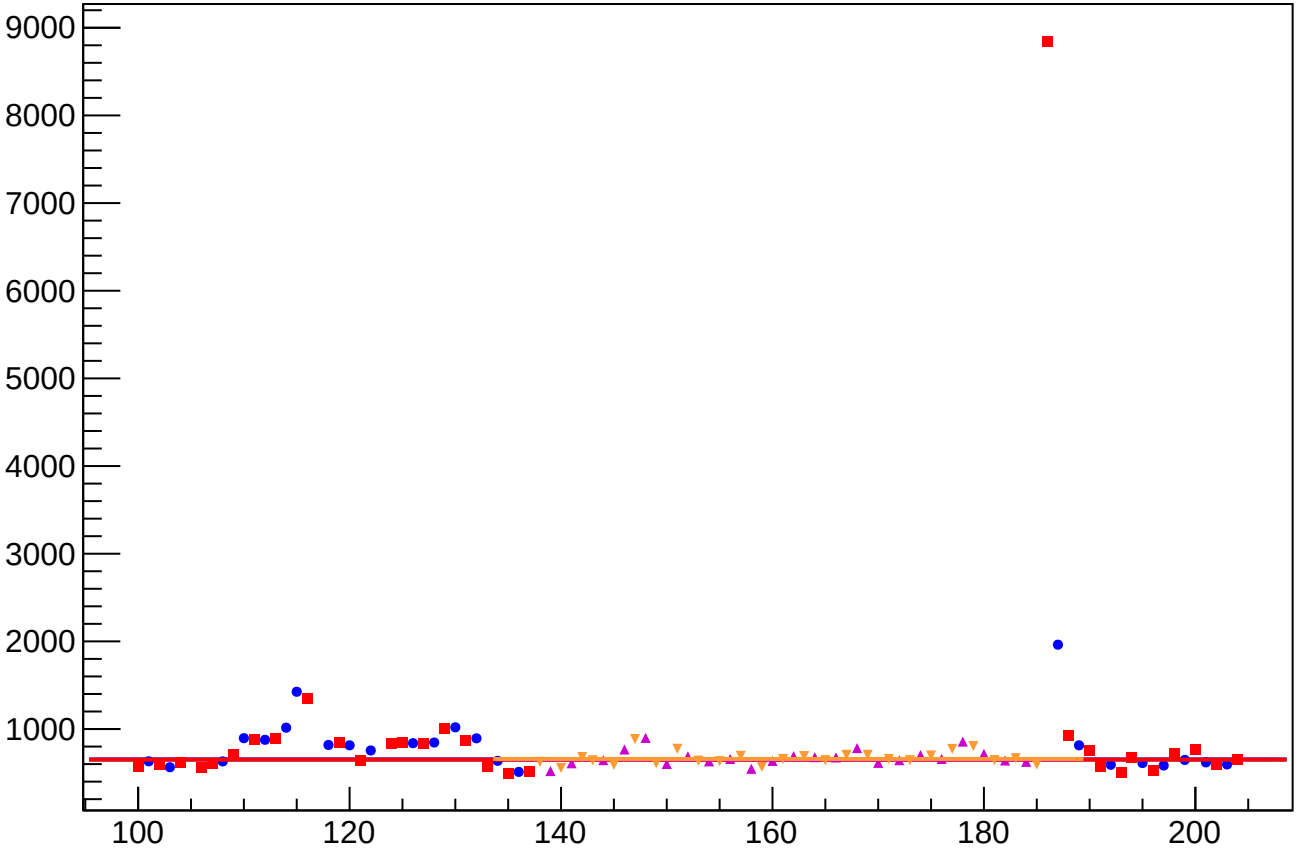
Right: 91.710+/-125.996 χ^2/NDF: 53.3/53

In: -98.142+/-118.437 χ^2/NDF:56.8/46

Out: -104.664+/-113.541 χ^2/NDF:59.1/54

All: -101.540+/-81.962 χ^2/NDF: 115.9/101

asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 653.715+/-0.131 χ^2/NDF: 1051049.9/23

Left Out: 658.672+/-0.107 χ^2/NDF:409684.4/24

Right Out: 650.776+/-0.122 χ^2/NDF: 1927225.4/29

Left In: 653.950+/-0.109 χ^2/NDF:542078.1/22

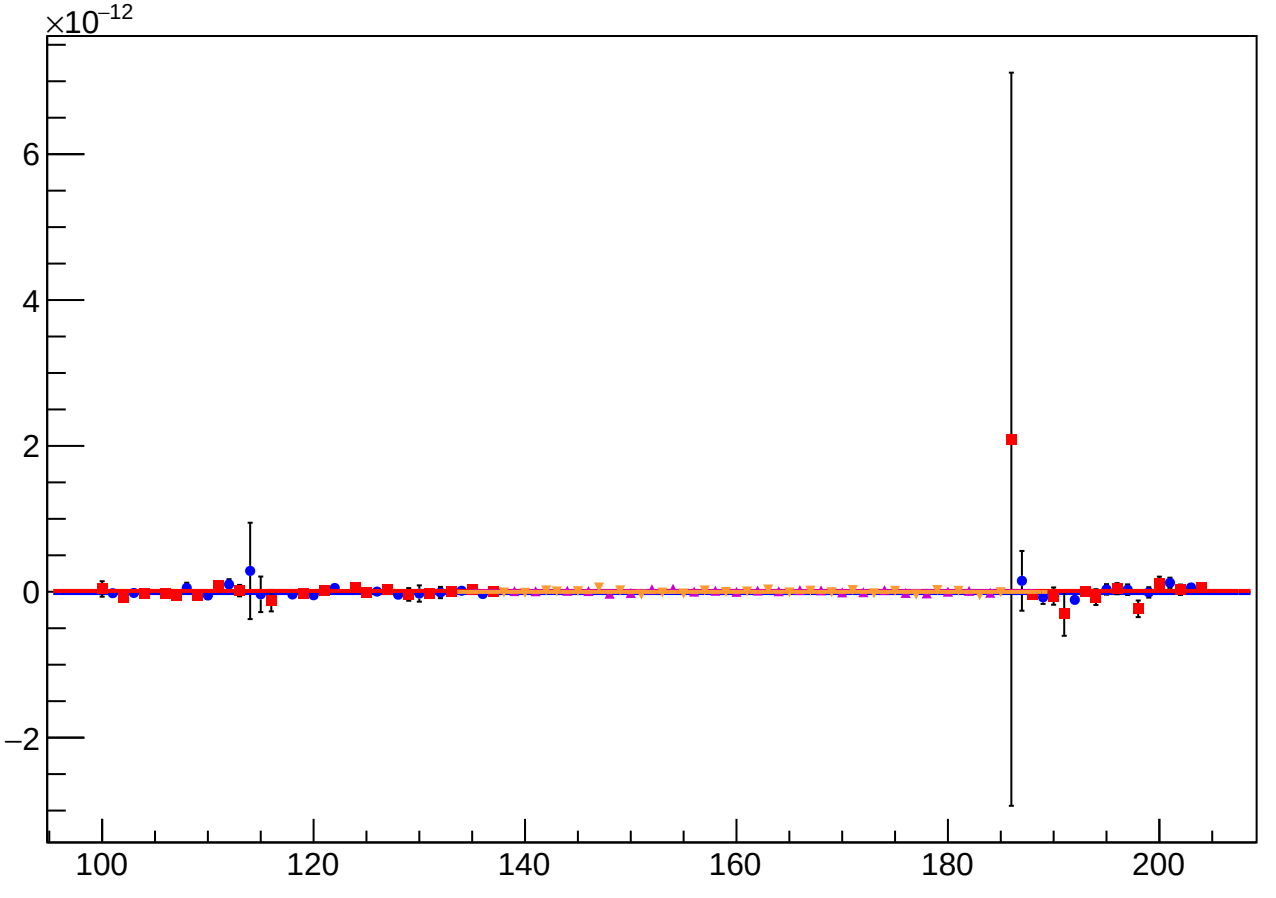
Left: 656.363+/-0.076 χ^2/NDF: 952719.4/47

Right: 652.144+/-0.089 χ^2/NDF: 2978546.0/53

In: 653.853+/-0.084 χ^2/NDF:1593129.9/46

Out: 655.243+/-0.080 χ^2/NDF:2339286.2/54

All: 654.578+/-0.058 χ^2/NDF: 3932559.6/101



Right In: -0.000+/-0.000 χ^2/NDF: 19.5/23

Left Out: -0.000+/-0.000 χ^2/NDF:31.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 26.2/29

Left In: 0.000+/-0.000 χ^2/NDF:15.6/22

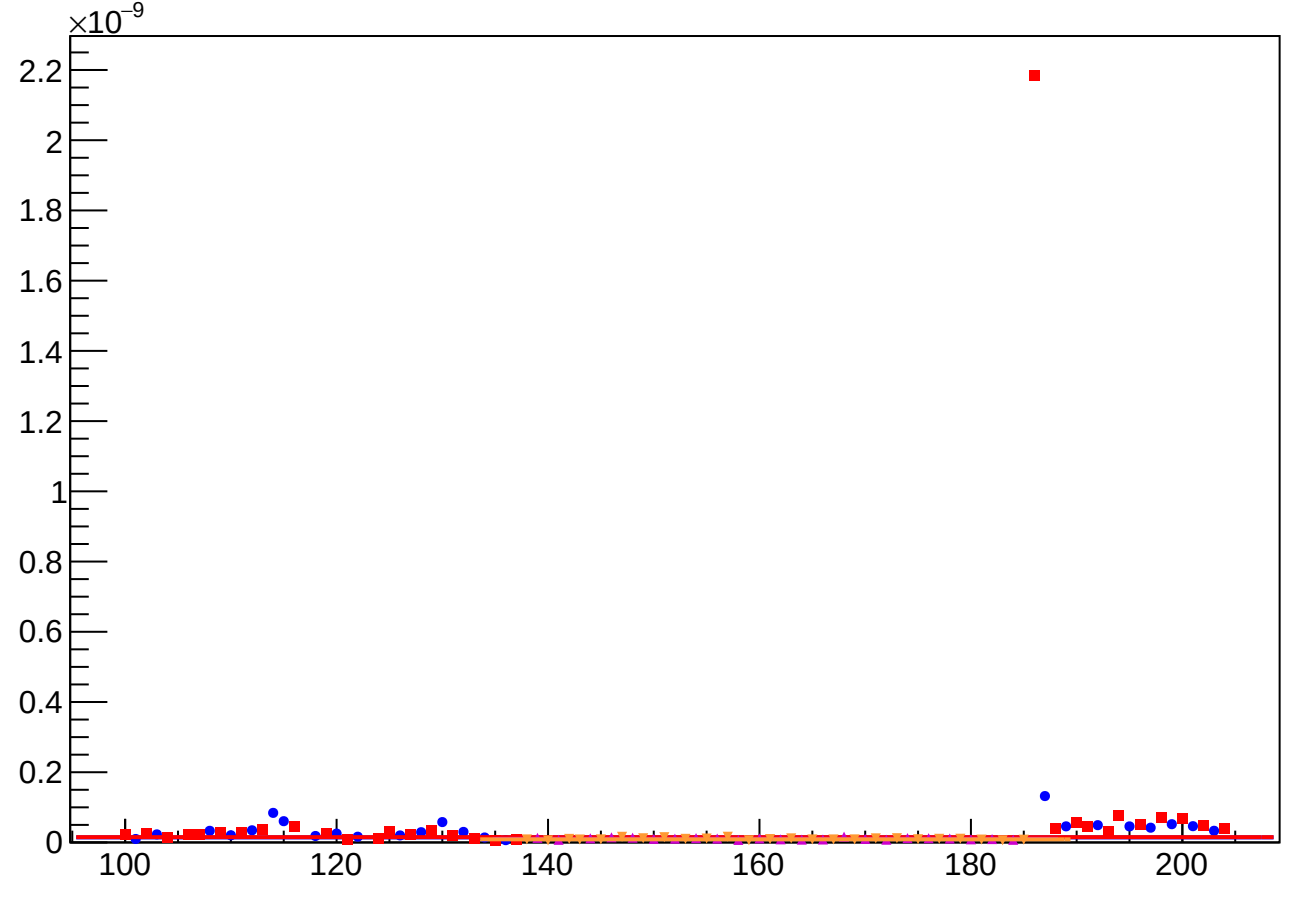
Left: 0.000+/-0.000 χ^2/NDF: 51.0/47

Right: -0.000+/-0.000 χ^2/NDF: 53.3/53

In: 0.000+/-0.000 χ^2/NDF:44.3/46

Out: 0.000+/-0.000 χ^2/NDF:60.8/54

All: 0.000+/-0.000 χ^2/NDF: 105.2/101



Right In: 0.000+/-0.000 χ^2/NDF: 5189843.8/23

Left Out: 0.000+/-0.000 χ^2/NDF:1037287.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6656111.7/29

Left In: 0.000+/-0.000 χ^2/NDF:659247.6/22

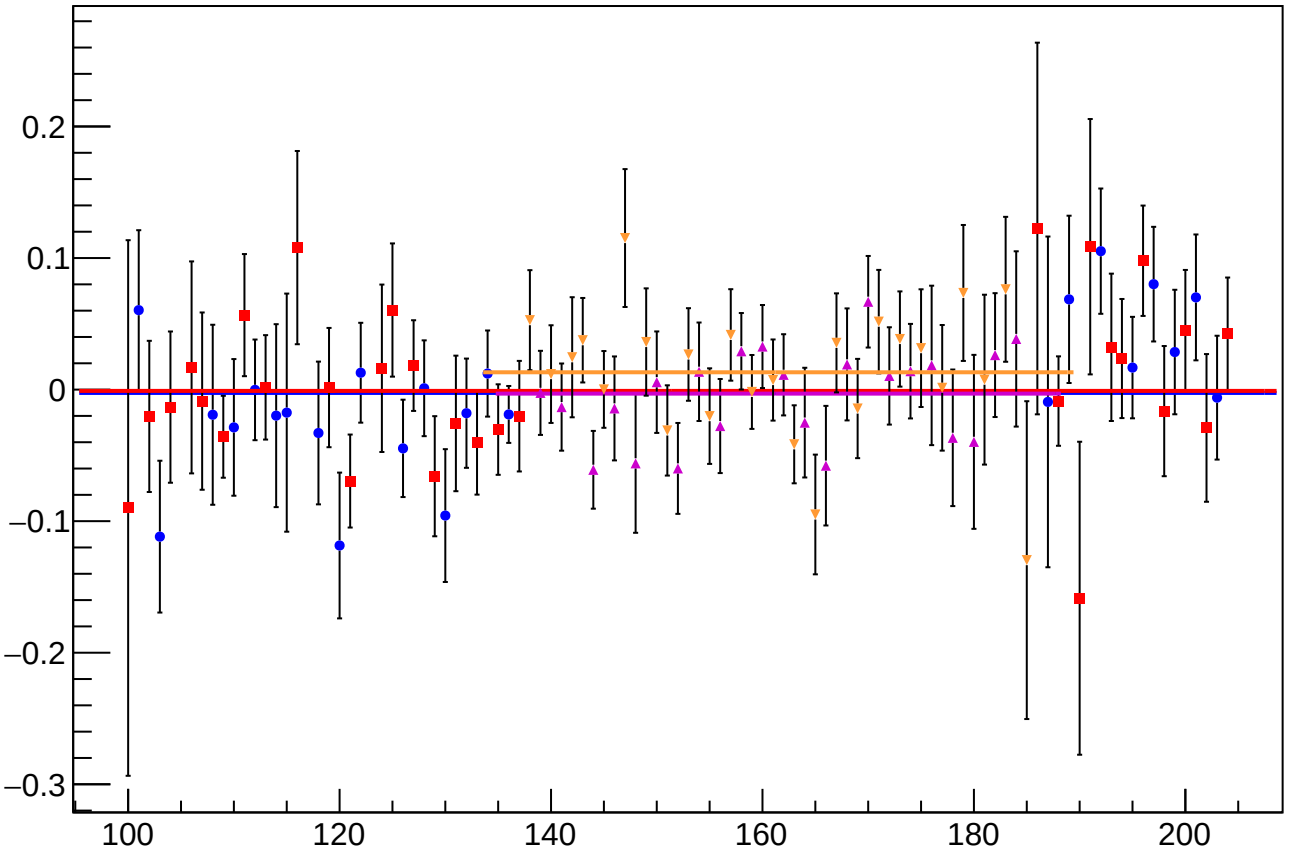
Left: 0.000+/-0.000 χ^2/NDF: 1807691.0/47

Right: 0.000+/-0.000 χ^2/NDF: 11854690.7/53

In: 0.000+/-0.000 χ^2/NDF:6346206.9/46

Out: 0.000+/-0.000 χ^2/NDF:8812376.8/54

All: 0.000+/-0.000 χ^2/NDF: 15261890.1/101



Right In: -0.003+/-0.009 χ^2/NDF: 28.5/23

Left Out: 0.013+/-0.008 χ^2/NDF:25.4/24

Right Out: -0.001+/-0.009 χ^2/NDF: 27.6/29

Left In: -0.003+/-0.008 χ^2/NDF:19.2/22

Left: 0.005+/-0.006 χ^2/NDF: 46.7/47

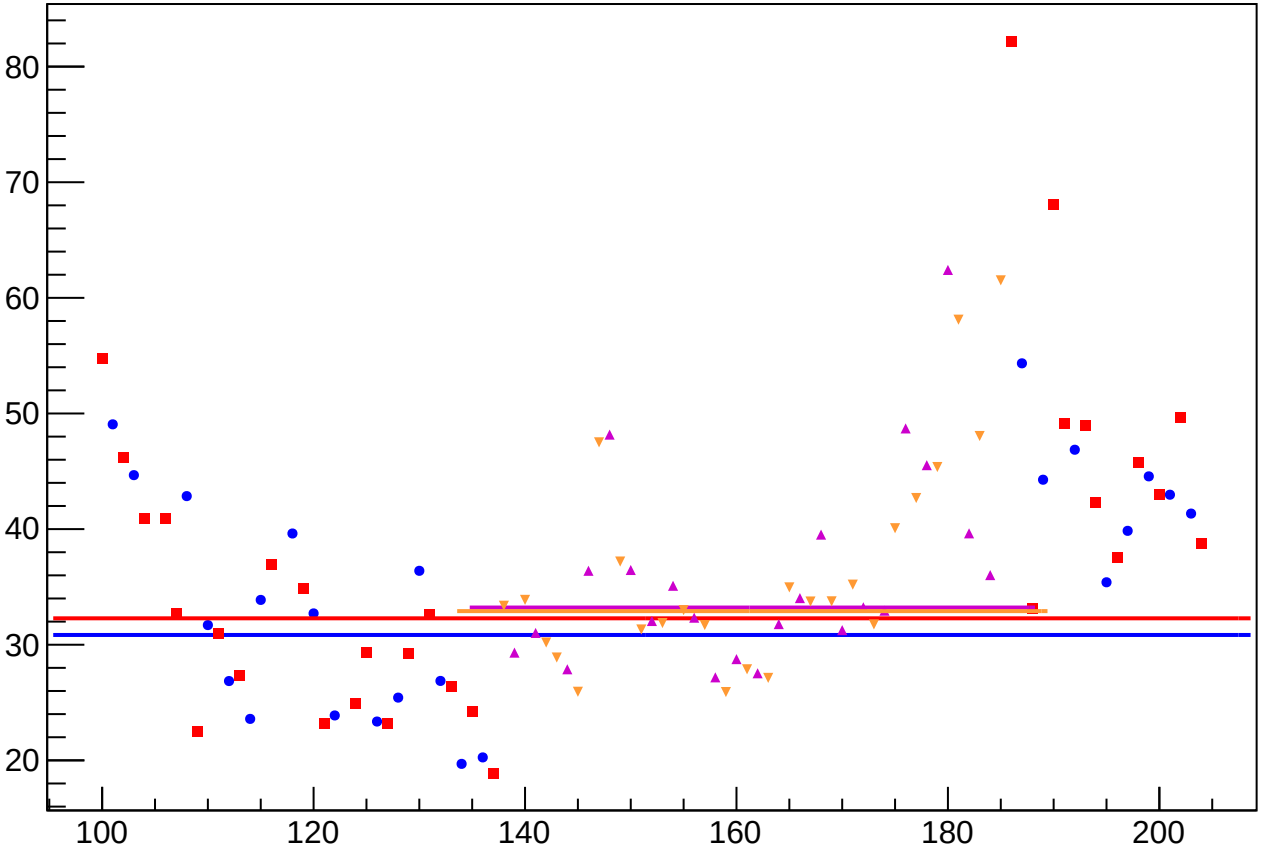
Right: -0.002+/-0.006 χ^2/NDF: 56.2/53

In: -0.003+/-0.006 χ^2/NDF:47.7/46

Out: 0.007+/-0.006 χ^2/NDF:54.5/54

All: 0.002+/-0.004 χ^2/NDF: 103.6/101

asym_sam_15_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 30.845+/-0.006 χ^2/NDF: 2299352.0/23

Left Out: 32.907+/-0.005 χ^2/NDF:1427924.1/24

Right Out: 32.284+/-0.006 χ^2/NDF: 2416232.9/29

Left In: 33.217+/-0.006 χ^2/NDF:1221447.0/22

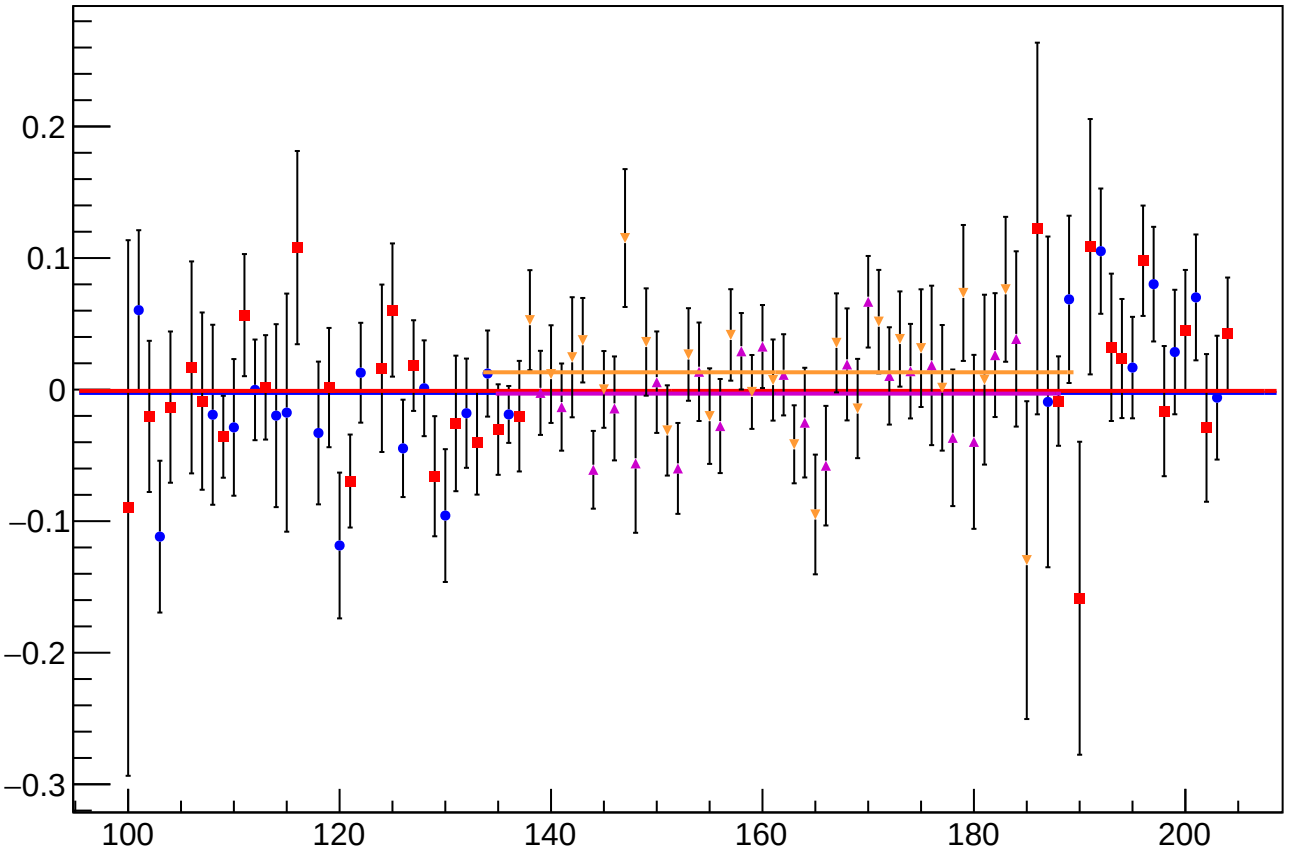
Left: 33.056+/-0.004 χ^2/NDF: 2650936.9/47

Right: 31.589+/-0.004 χ^2/NDF: 4742026.0/53

In: 32.175+/-0.004 χ^2/NDF:3598699.4/46

Out: 32.635+/-0.004 χ^2/NDF:3849917.7/54

All: 32.413+/-0.003 χ^2/NDF: 7454752.6/101



Right In: -0.003+/-0.009 χ^2/NDF: 28.5/23

Left Out: 0.013+/-0.008 χ^2/NDF:25.4/24

Right Out: -0.001+/-0.009 χ^2/NDF: 27.6/29

Left In: -0.003+/-0.008 χ^2/NDF:19.2/22

Left: 0.005+/-0.006 χ^2/NDF: 46.7/47

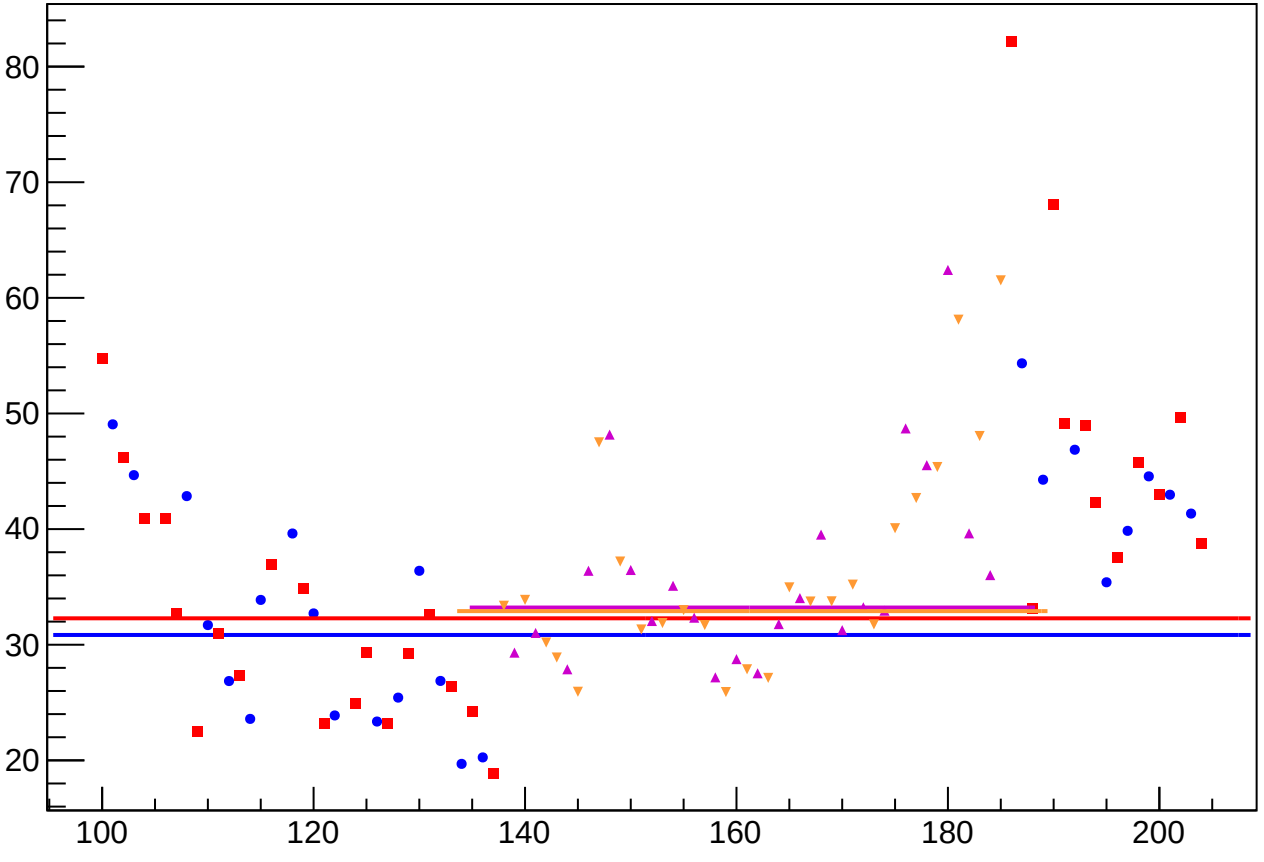
Right: -0.002+/-0.006 χ^2/NDF: 56.2/53

In: -0.003+/-0.006 χ^2/NDF:47.7/46

Out: 0.007+/-0.006 χ^2/NDF:54.5/54

All: 0.002+/-0.004 χ^2/NDF: 103.6/101

asym_sam_15_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 30.845+/-0.006 χ^2/NDF: 2299352.0/23

Left Out: 32.907+/-0.005 χ^2/NDF:1427924.1/24

Right Out: 32.284+/-0.006 χ^2/NDF: 2416232.9/29

Left In: 33.217+/-0.006 χ^2/NDF:1221447.0/22

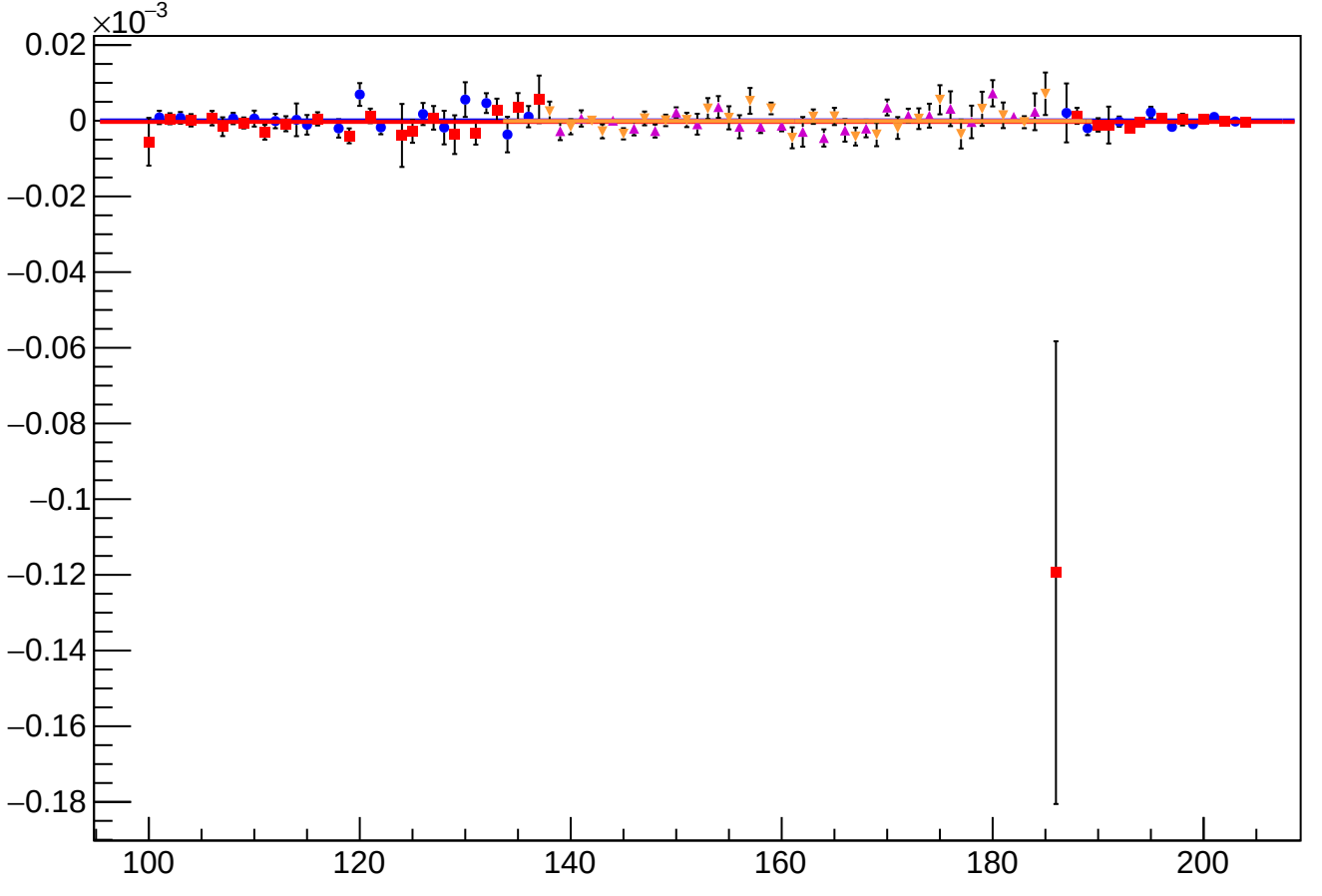
Left: 33.056+/-0.004 χ^2/NDF: 2650936.9/47

Right: 31.589+/-0.004 χ^2/NDF: 4742026.0/53

In: 32.175+/-0.004 χ^2/NDF:3598699.4/46

Out: 32.635+/-0.004 χ^2/NDF:3849917.7/54

All: 32.413+/-0.003 χ^2/NDF: 7454752.6/101



Right In: 0.000+/-0.000 χ^2/NDF: 21.3/23

Left Out: -0.000+/-0.000 χ^2/NDF:31.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 21.1/29

Left In: -0.000+/-0.000 χ^2/NDF:27.0/22

Left: -0.000+/-0.000 χ^2/NDF: 58.0/47

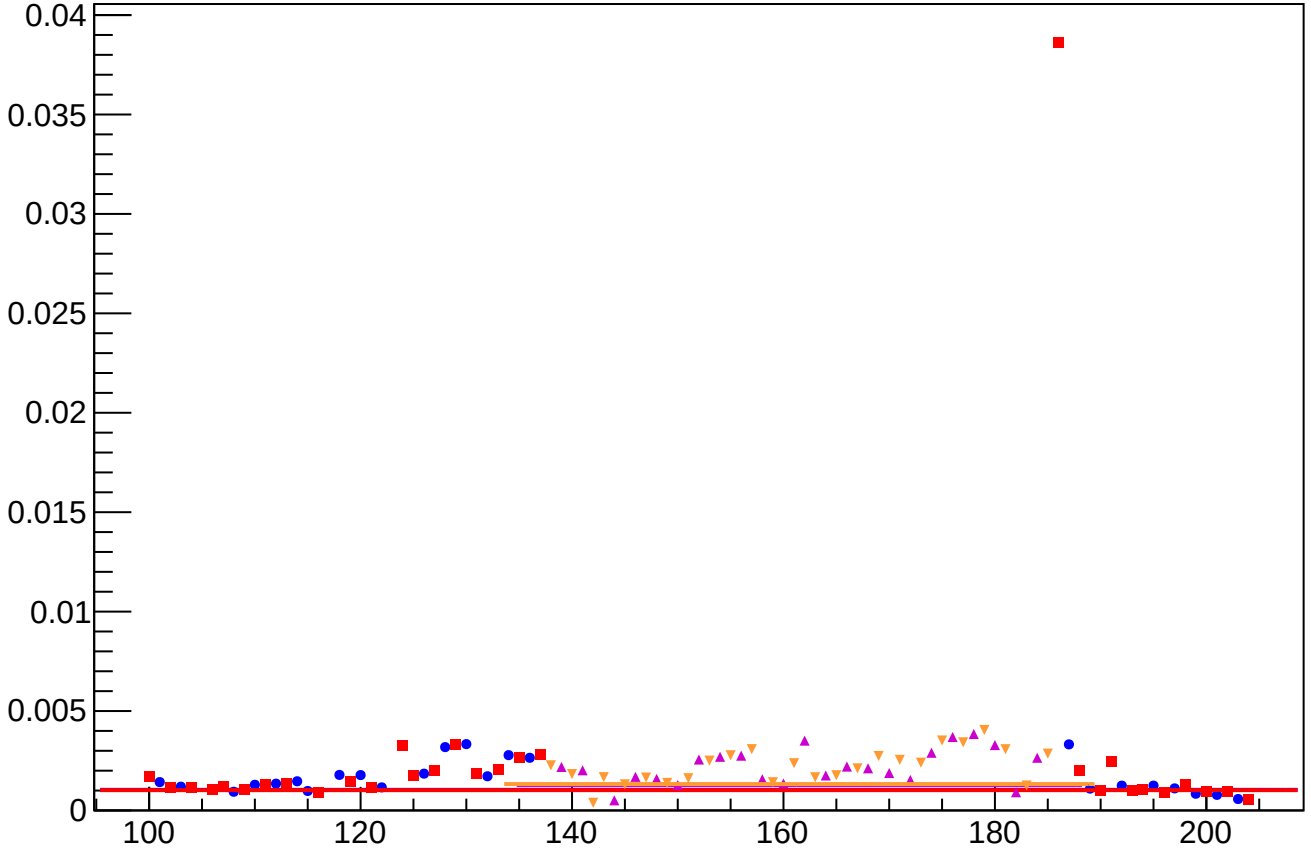
Right: -0.000+/-0.000 χ^2/NDF: 43.2/53

In: 0.000+/-0.000 χ^2/NDF:48.3/46

Out: -0.000+/-0.000 χ^2/NDF:52.3/54

All: -0.000+/-0.000 χ^2/NDF: 101.3/101

asym_sam_15_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 4201762.5/23

Left Out: 0.001+/-0.000 χ^2/NDF:11159347.0/24

Right Out: 0.001+/-0.000 χ^2/NDF: 4898003.4/29

Left In: 0.001+/-0.000 χ^2/NDF:9878422.3/22

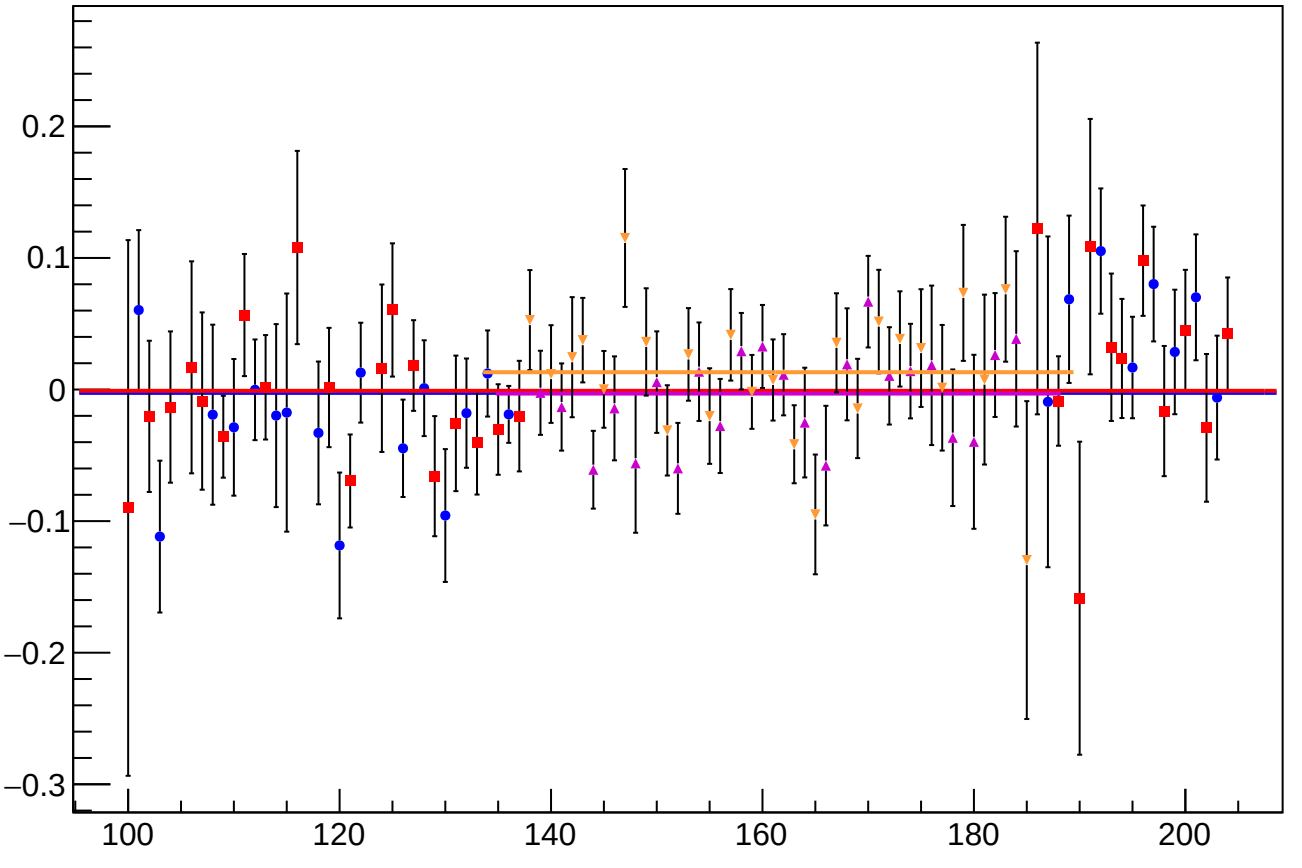
Left: 0.001+/-0.000 χ^2/NDF: 21058948.3/47

Right: 0.001+/-0.000 χ^2/NDF: 9101785.3/53

In: 0.001+/-0.000 χ^2/NDF:14575687.2/46

Out: 0.001+/-0.000 χ^2/NDF:16899978.0/54

All: 0.001+/-0.000 χ^2/NDF: 31475802.9/101



Right In: -0.003+/-0.009 χ^2/NDF: 28.5/23

Left Out: 0.013+/-0.008 χ^2/NDF:25.4/24

Right Out: -0.001+/-0.009 χ^2/NDF: 27.6/29

Left In: -0.003+/-0.008 χ^2/NDF:19.2/22

Left: 0.005+/-0.006 χ^2/NDF: 46.7/47

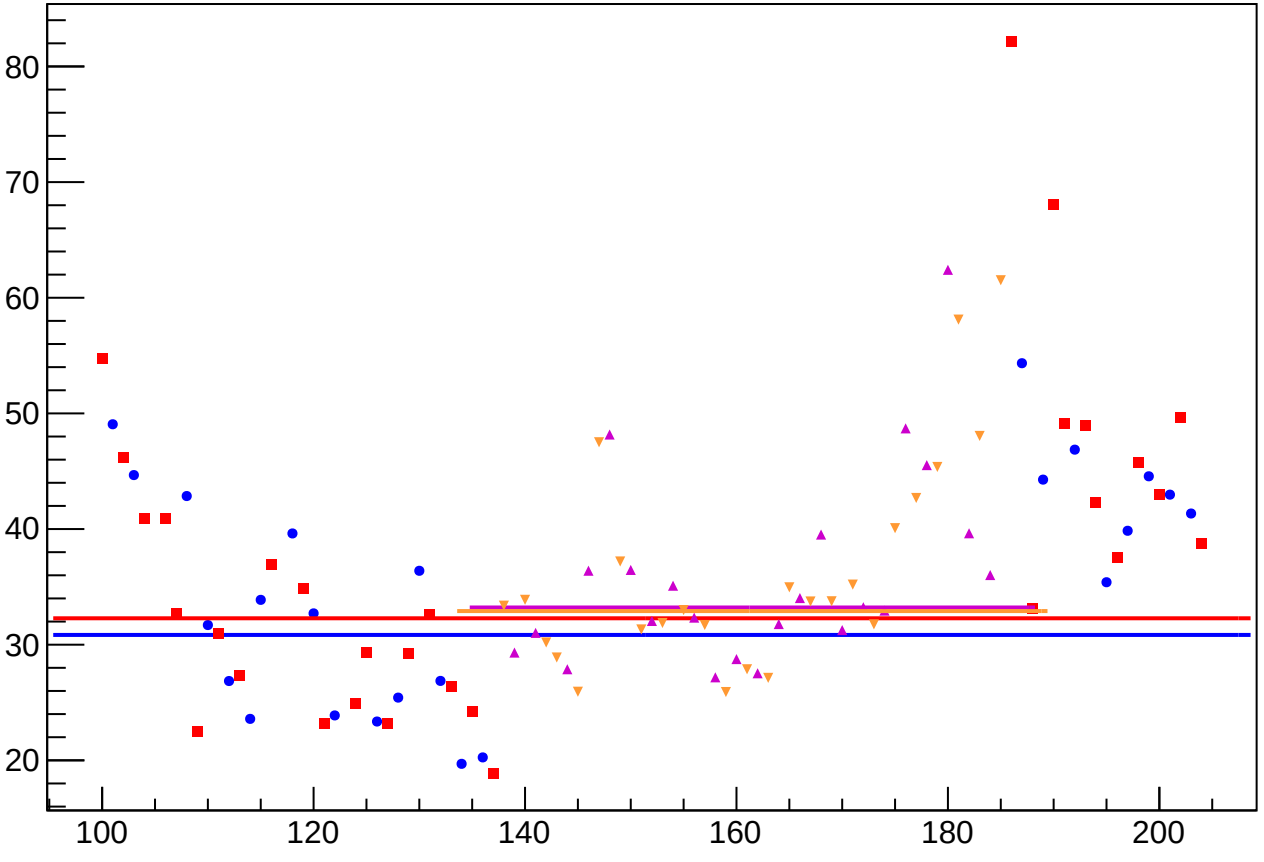
Right: -0.002+/-0.006 χ^2/NDF: 56.2/53

In: -0.003+/-0.006 χ^2/NDF:47.7/46

Out: 0.007+/-0.006 χ^2/NDF:54.5/54

All: 0.002+/-0.004 χ^2/NDF: 103.6/101

asym_sam_15_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 30.844+/-0.006 χ^2/NDF: 2299549.0/23

Left Out: 32.907+/-0.005 χ^2/NDF:1427993.7/24

Right Out: 32.283+/-0.006 χ^2/NDF: 2416558.6/29

Left In: 33.217+/-0.006 χ^2/NDF:1221516.5/22

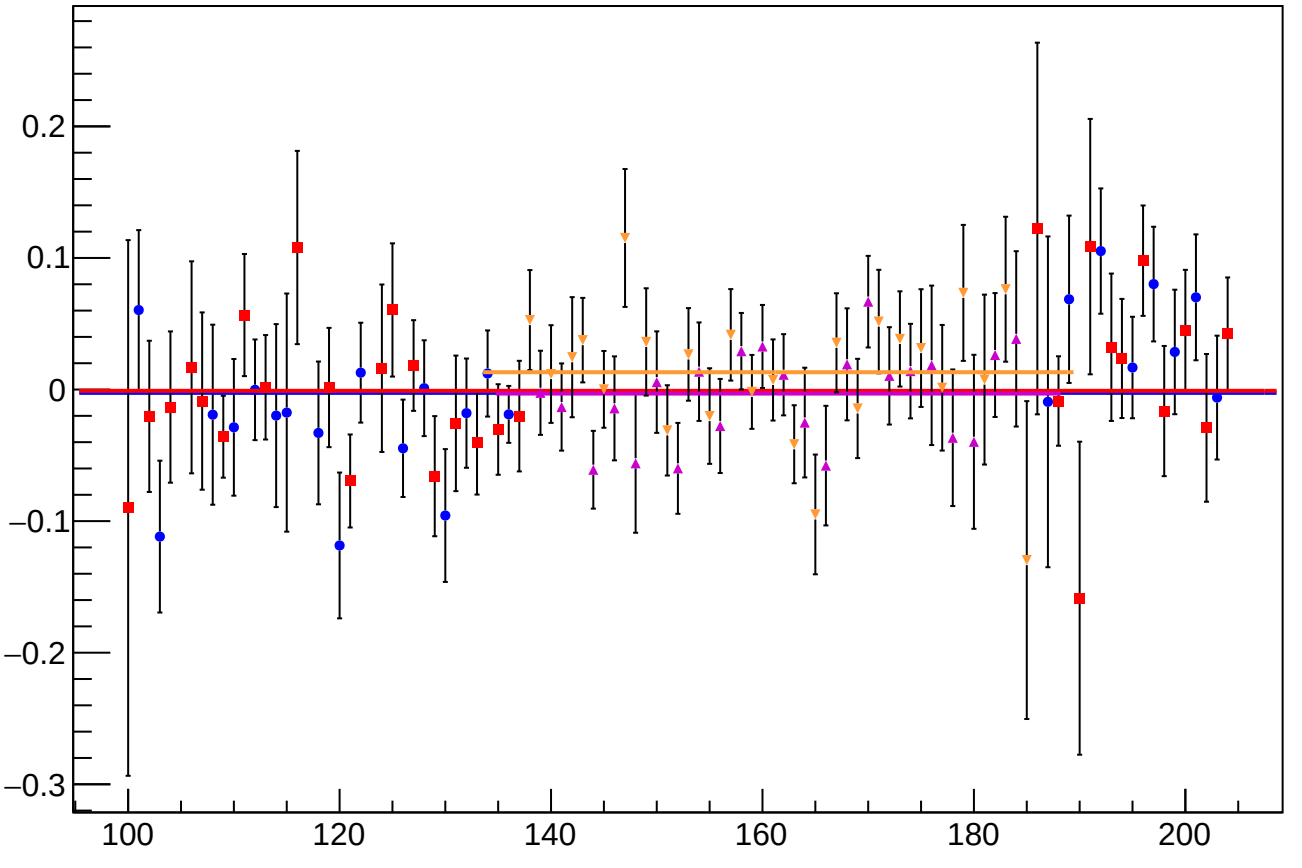
Left: 33.056+/-0.004 χ^2/NDF: 2651077.1/47

Right: 31.588+/-0.004 χ^2/NDF: 4742538.8/53

In: 32.175+/-0.004 χ^2/NDF:3599021.8/46

Out: 32.634+/-0.004 χ^2/NDF:3850332.1/54

All: 32.413+/-0.003 χ^2/NDF: 7455485.1/101



Right In: -0.003+/-0.009 χ^2/NDF: 28.5/23

Left Out: 0.013+/-0.008 χ^2/NDF:25.4/24

Right Out: -0.001+/-0.009 χ^2/NDF: 27.6/29

Left In: -0.003+/-0.008 χ^2/NDF:19.2/22

Left: 0.005+/-0.006 χ^2/NDF: 46.7/47

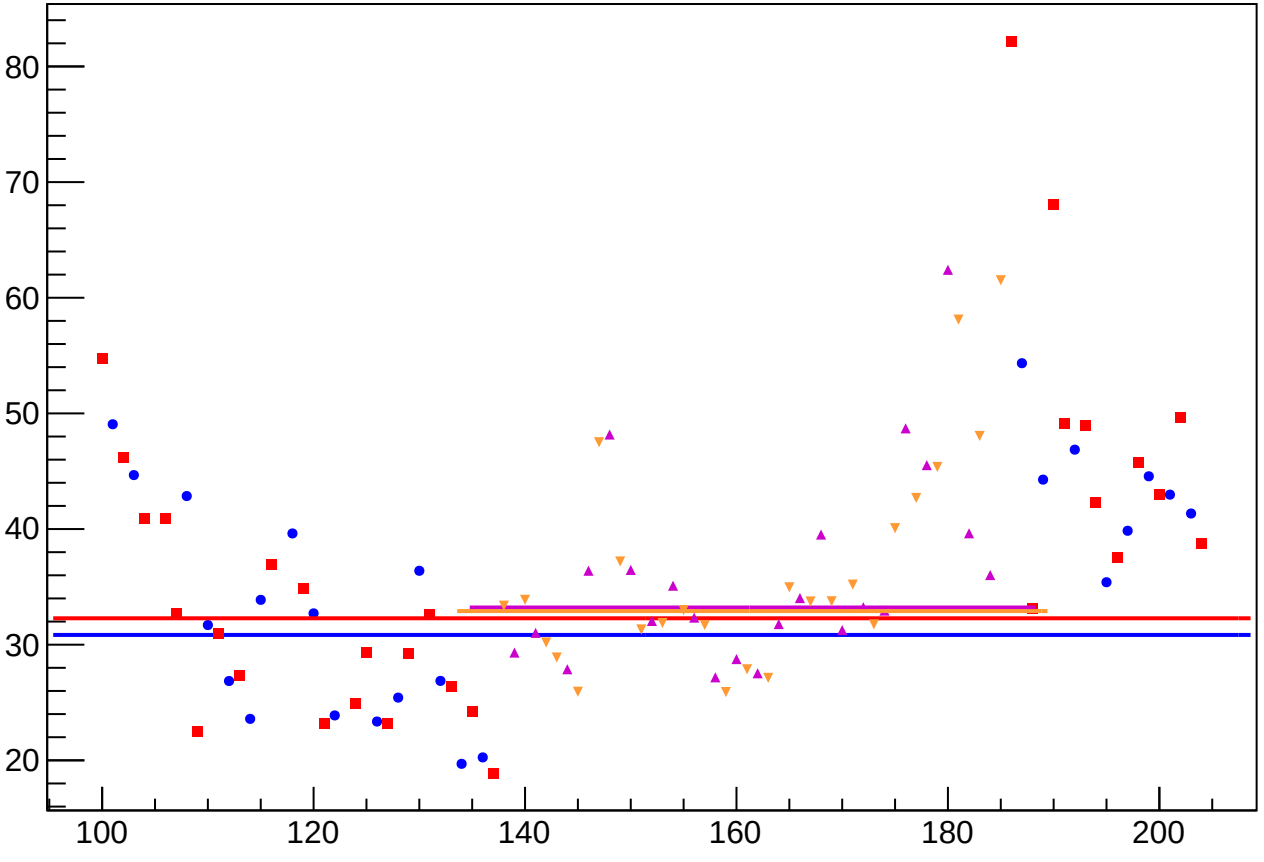
Right: -0.002+/-0.006 χ^2/NDF: 56.2/53

In: -0.003+/-0.006 χ^2/NDF:47.7/46

Out: 0.007+/-0.006 χ^2/NDF:54.5/54

All: 0.002+/-0.004 χ^2/NDF: 103.6/101

asym_sam_15_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 30.844+/-0.006 χ^2/NDF: 2299549.0/23

Left Out: 32.907+/-0.005 χ^2/NDF:1427993.7/24

Right Out: 32.283+/-0.006 χ^2/NDF: 2416558.6/29

Left In: 33.217+/-0.006 χ^2/NDF:1221516.5/22

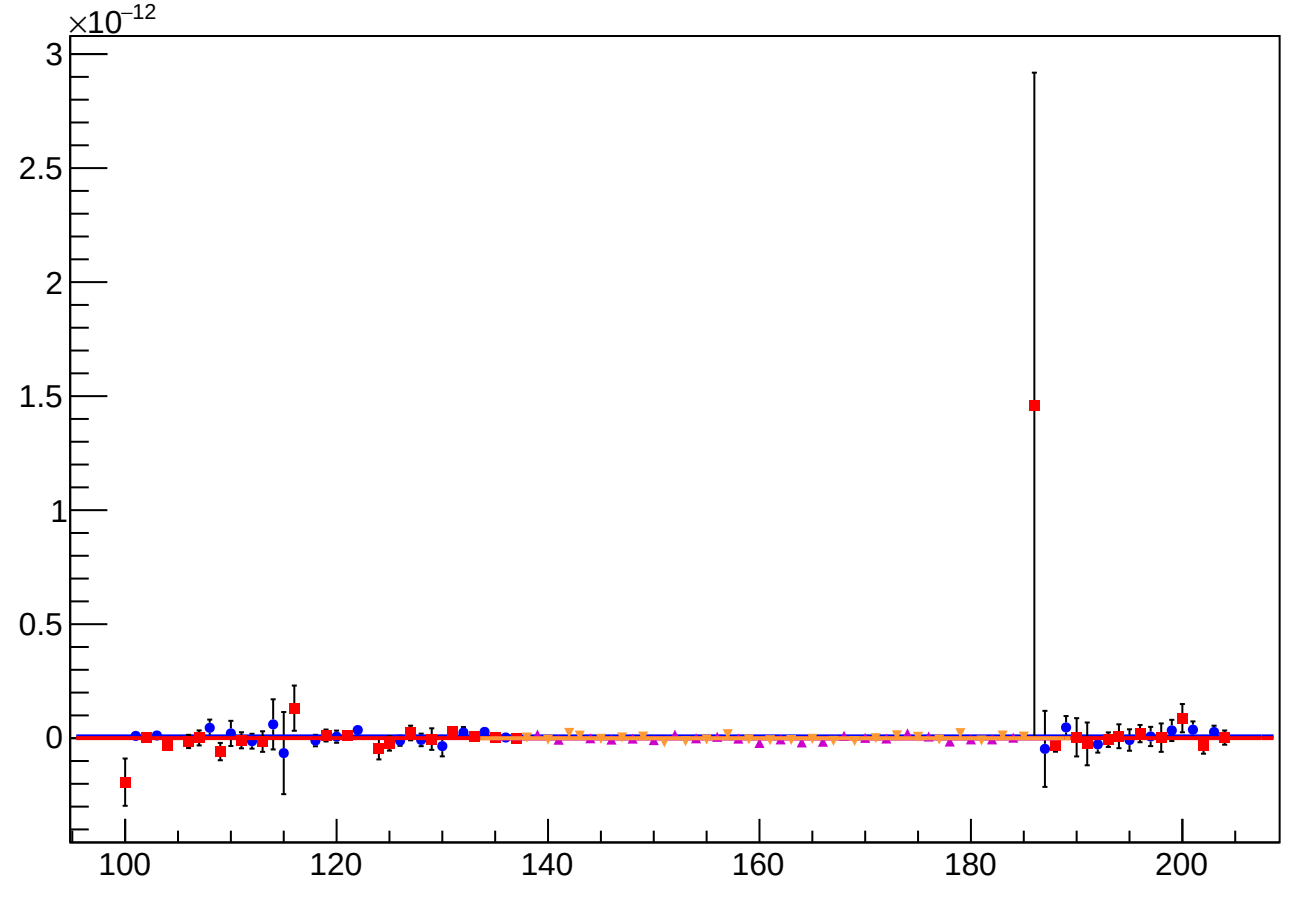
Left: 33.056+/-0.004 χ^2/NDF: 2651077.1/47

Right: 31.588+/-0.004 χ^2/NDF: 4742538.8/53

In: 32.175+/-0.004 χ^2/NDF:3599021.8/46

Out: 32.634+/-0.004 χ^2/NDF:3850332.1/54

All: 32.413+/-0.003 χ^2/NDF: 7455485.1/101



Right In: 0.000+/-0.000 χ^2/NDF: 11.6/23

Left Out: -0.000+/-0.000 χ^2/NDF:31.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 21.3/29

Left In: -0.000+/-0.000 χ^2/NDF:25.3/22

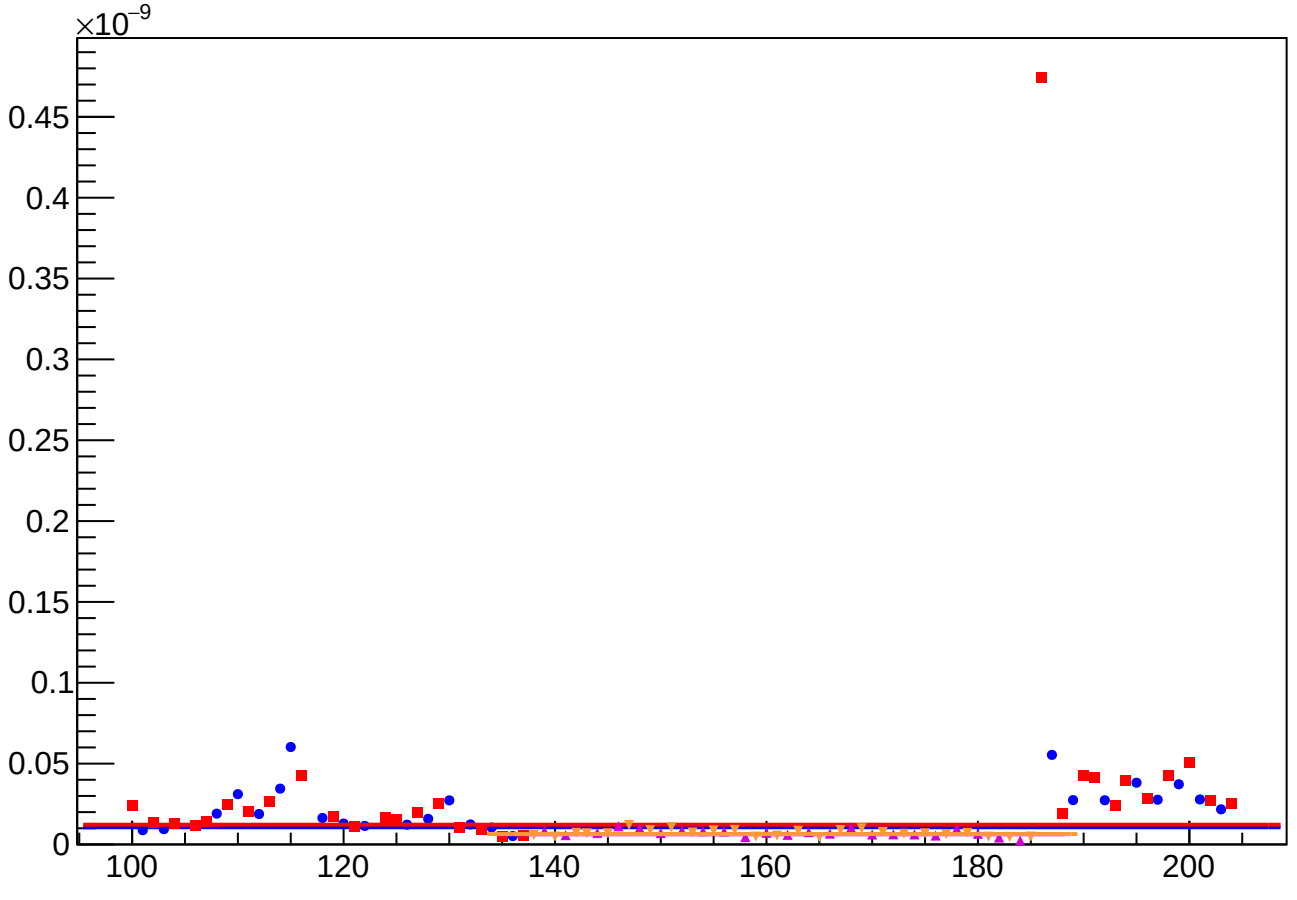
Left: -0.000+/-0.000 χ^2/NDF: 56.5/47

Right: 0.000+/-0.000 χ^2/NDF: 34.3/53

In: 0.000+/-0.000 χ^2/NDF:40.6/46

Out: -0.000+/-0.000 χ^2/NDF:52.3/54

All: 0.000+/-0.000 χ^2/NDF: 93.0/101



Right In: 0.000+/-0.000 χ^2/NDF: 5917105.8/23

Left Out: 0.000+/-0.000 χ^2/NDF:1879116.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7043433.3/29

Left In: 0.000+/-0.000 χ^2/NDF:2127144.3/22

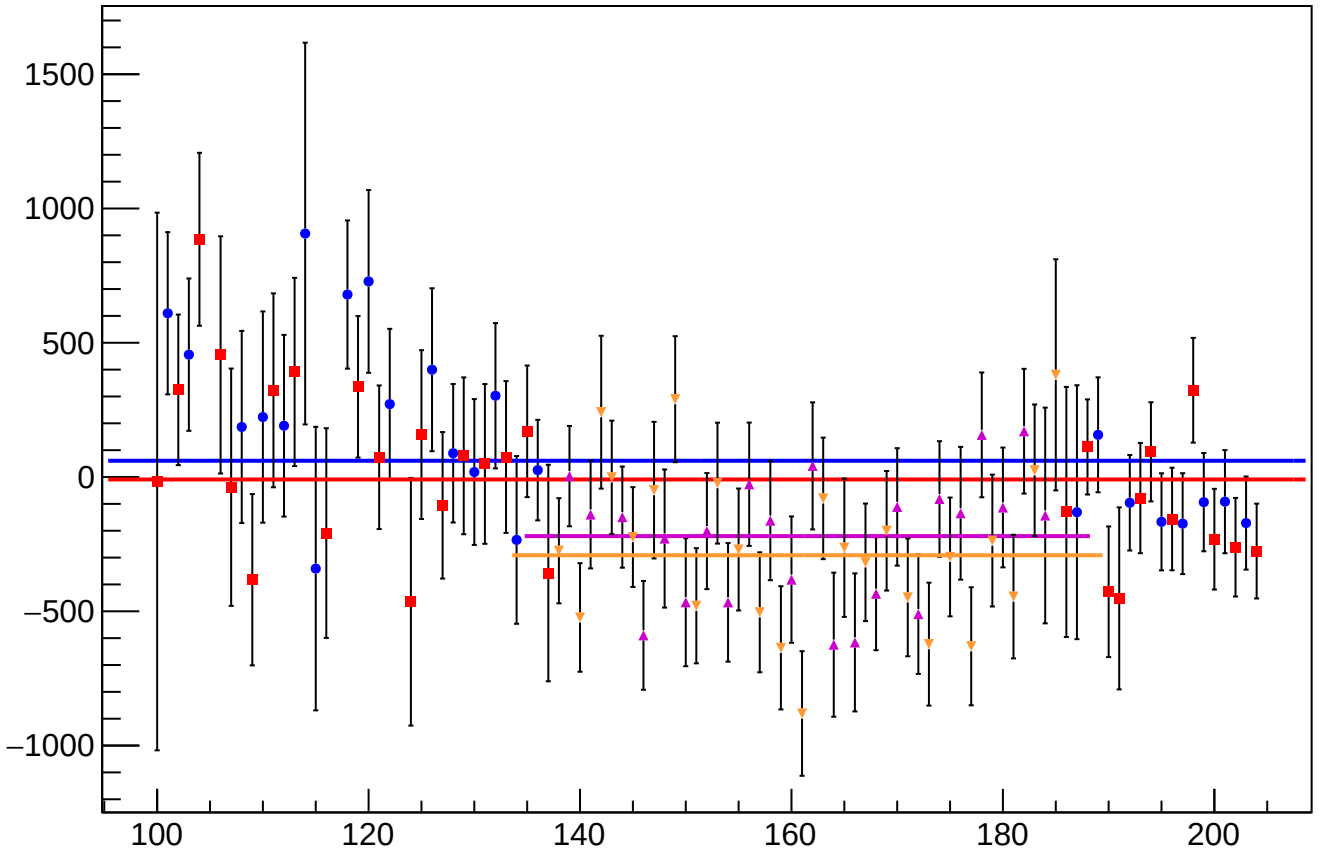
Left: 0.000+/-0.000 χ^2/NDF: 4010035.8/47

Right: 0.000+/-0.000 χ^2/NDF: 13082440.8/53

In: 0.000+/-0.000 χ^2/NDF:9723647.7/46

Out: 0.000+/-0.000 χ^2/NDF:11671681.3/54

All: 0.000+/-0.000 χ^2/NDF: 21409966.3/101



Right In: 60.582+/-50.934 χ^2/NDF: 27.6/23

Left Out: -291.313+/-45.614 χ^2/NDF:36.4/24

Right Out: -9.153+/-47.683 χ^2/NDF: 33.4/29

Left In: -219.974+/-47.146 χ^2/NDF:23.7/22

Left: -256.821+/-32.782 χ^2/NDF: 61.3/47

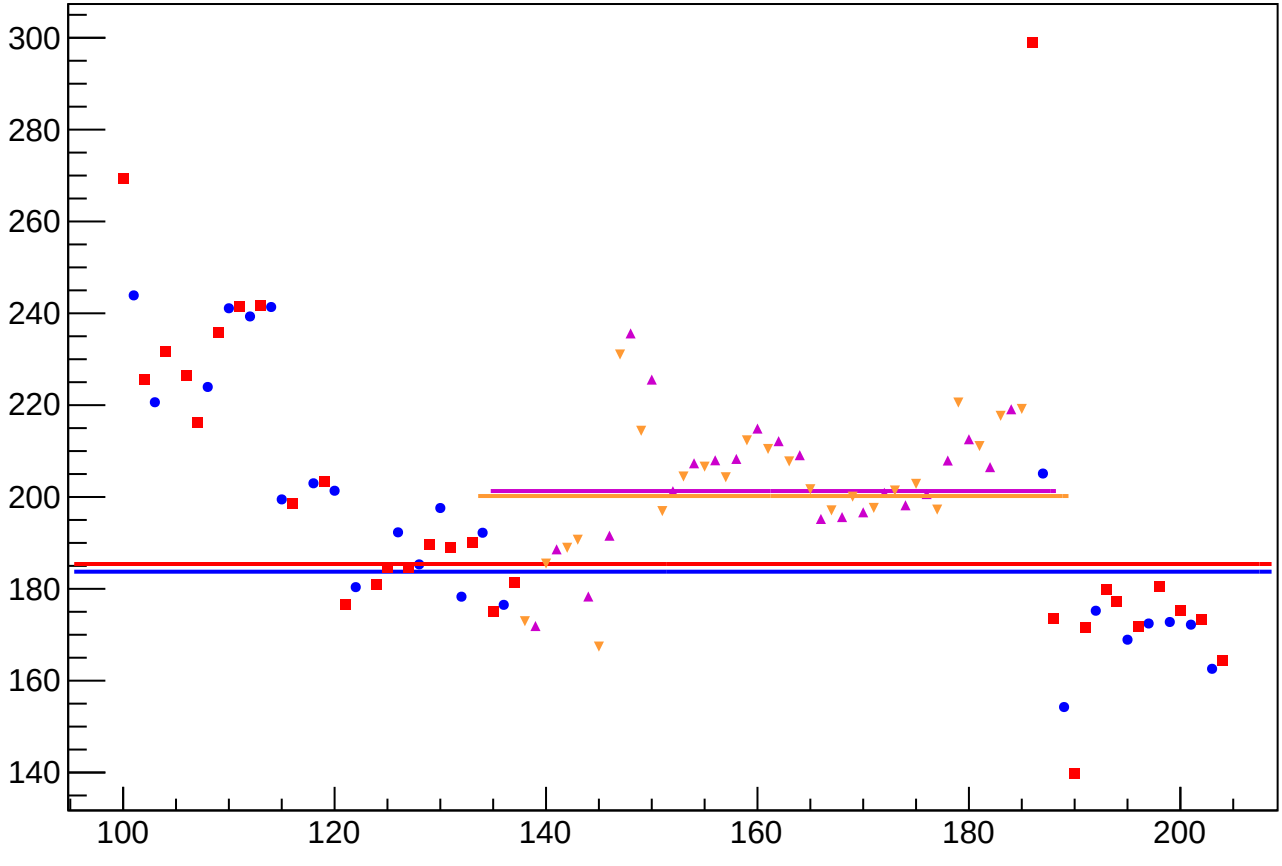
Right: 23.419+/-34.810 χ^2/NDF: 62.0/53

In: -90.515+/-34.599 χ^2/NDF:67.6/46

Out: -156.488+/-32.961 χ^2/NDF:88.0/54

All: -125.100+/-23.865 χ^2/NDF: 157.6/101

reg_asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 183.733+/-0.036 χ^2/NDF: 388828.8/23

Left Out: 200.210+/-0.032 χ^2/NDF:204393.9/24

Right Out: 185.408+/-0.034 χ^2/NDF: 553211.6/29

Left In: 201.297+/-0.033 χ^2/NDF:181646.8/22

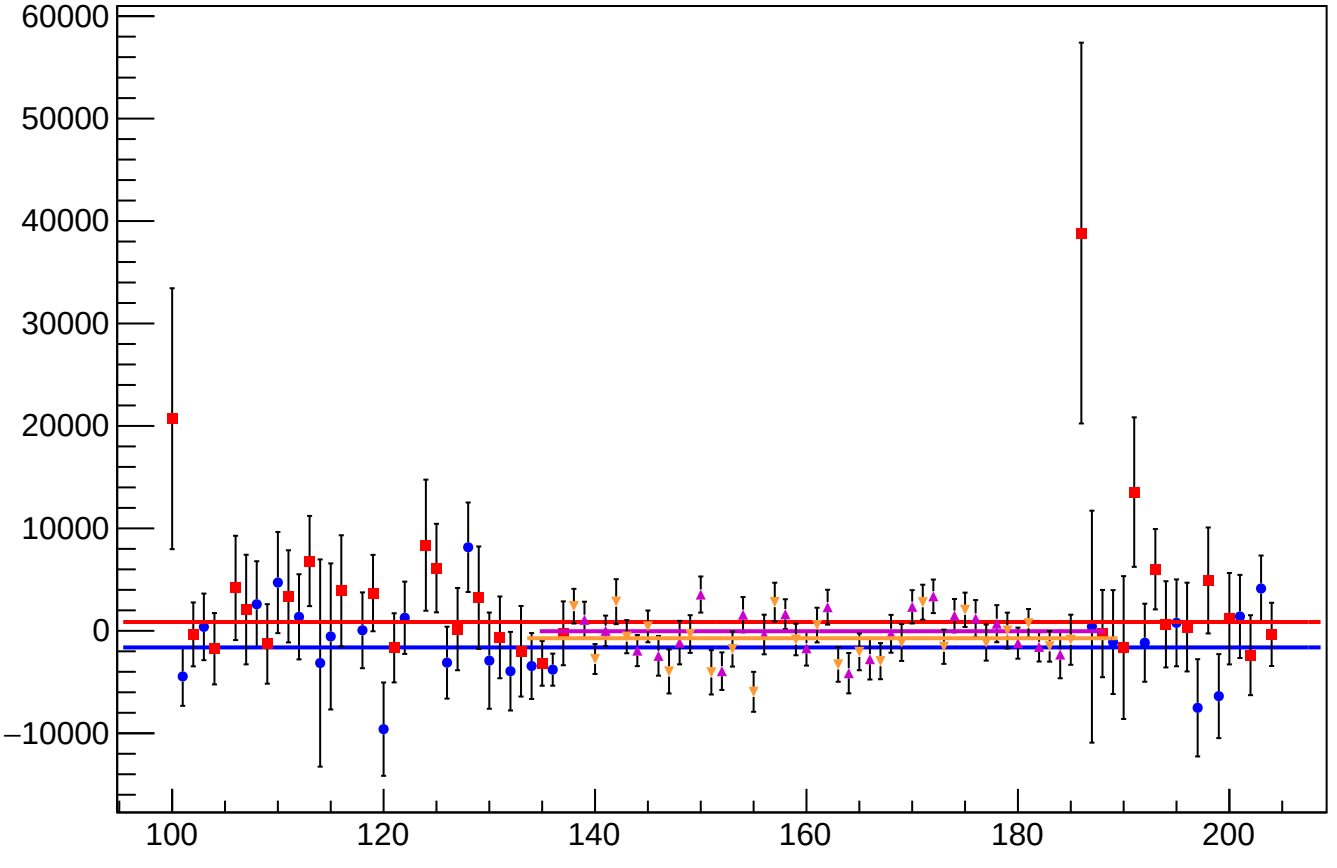
Left: 200.736+/-0.023 χ^2/NDF: 386590.4/47

Right: 184.625+/-0.025 χ^2/NDF: 943193.0/53

In: 193.192+/-0.024 χ^2/NDF:698571.3/46

Out: 193.137+/-0.023 χ^2/NDF:858244.6/54

All: 193.163+/-0.017 χ^2/NDF: 1556818.6/101



Right In: -1618.791+/-747.992 χ^2/NDF: 23.4/23

Left Out: -720.700+/-346.376 χ^2/NDF:38.3/24

Right Out: 861.567+/-752.938 χ^2/NDF: 25.3/29

Left In: -39.277+/-359.265 χ^2/NDF:34.4/22

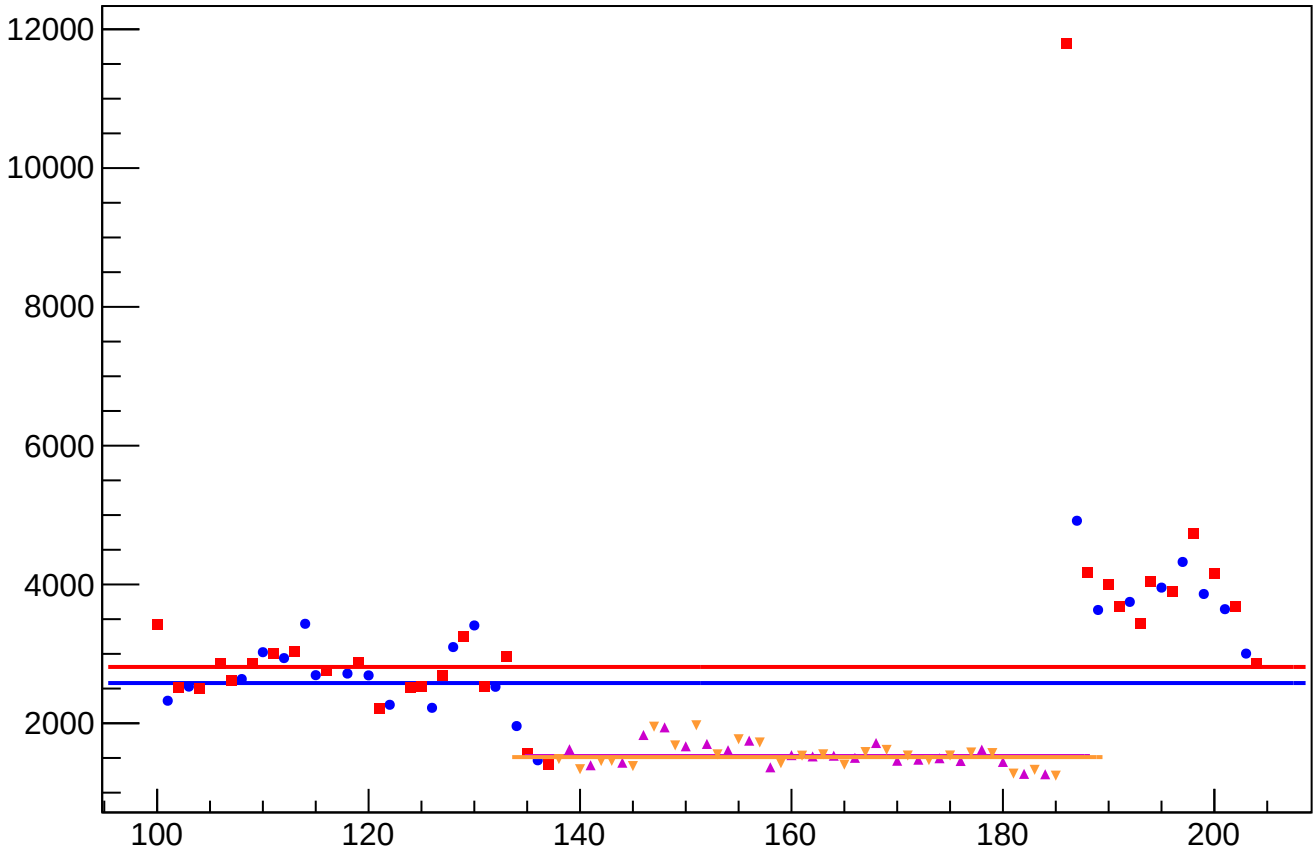
Left: -392.431+/-249.357 χ^2/NDF: 74.6/47

Right: -386.785+/-530.650 χ^2/NDF: 54.2/53

In: -335.357+/-323.847 χ^2/NDF:61.4/46

Out: -444.333+/-314.675 χ^2/NDF:67.3/54

All: -391.410+/-225.682 χ^2/NDF: 128.7/101



Right In: 2579.524+/-0.529 χ^2/NDF: 2490885.3/23

Left Out: 1512.365+/-0.245 χ^2/NDF:442558.0/24

Right Out: 2811.454+/-0.532 χ^2/NDF: 2889481.9/29

Left In: 1527.964+/-0.254 χ^2/NDF:373844.4/22

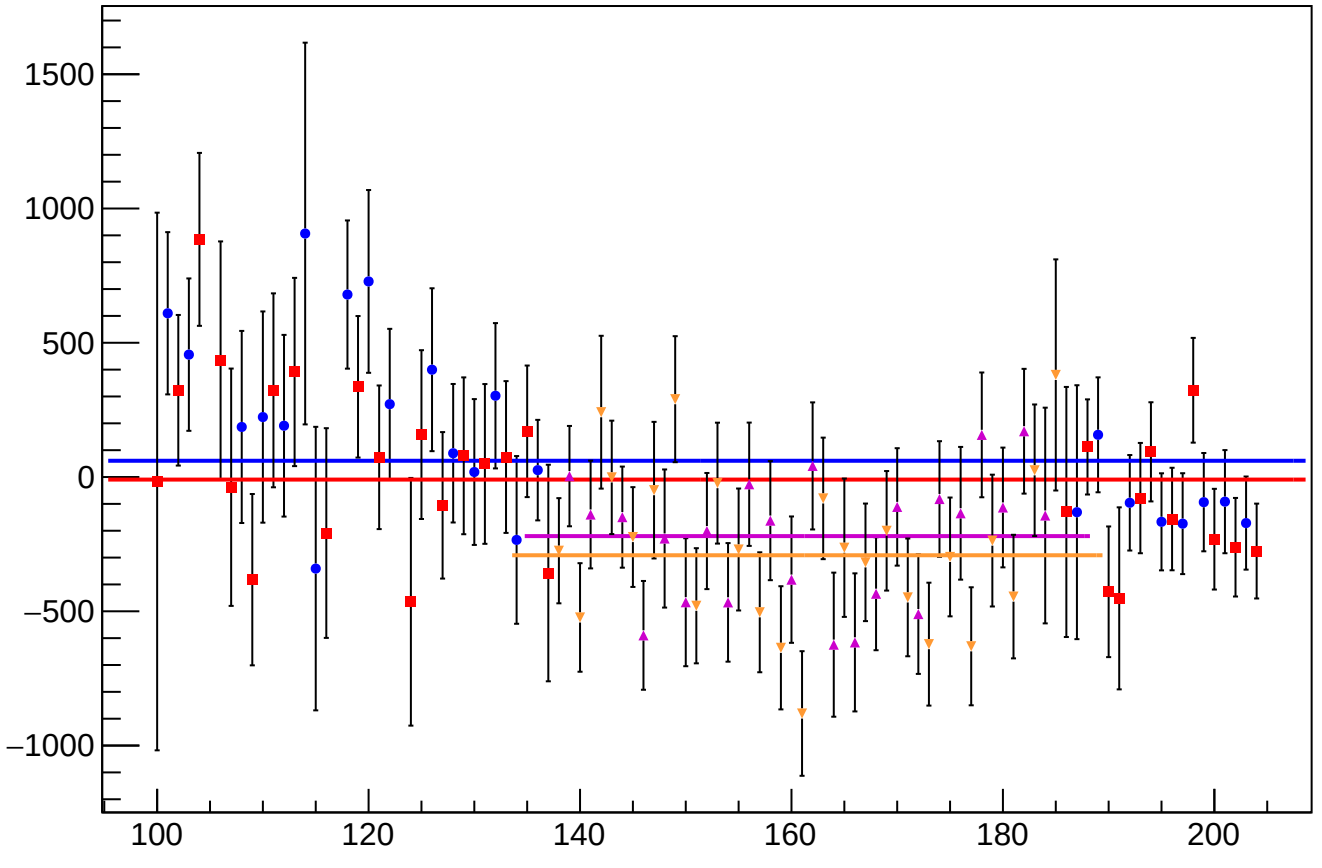
Left: 1519.879+/-0.176 χ^2/NDF: 818356.6/47

Right: 2694.724+/-0.375 χ^2/NDF: 5475877.3/53

In: 1725.079+/-0.229 χ^2/NDF:6076568.2/46

Out: 1739.271+/-0.223 χ^2/NDF:8245866.1/54

All: 1732.379+/-0.160 χ^2/NDF: 14324409.7/1



Right In: 60.578+/-50.934 χ^2/NDF: 27.6/23

Left Out: -291.316+/-45.614 χ^2/NDF:36.4/24

Right Out: -9.494+/-47.686 χ^2/NDF: 33.3/29

Left In: -219.983+/-47.146 χ^2/NDF:23.7/22

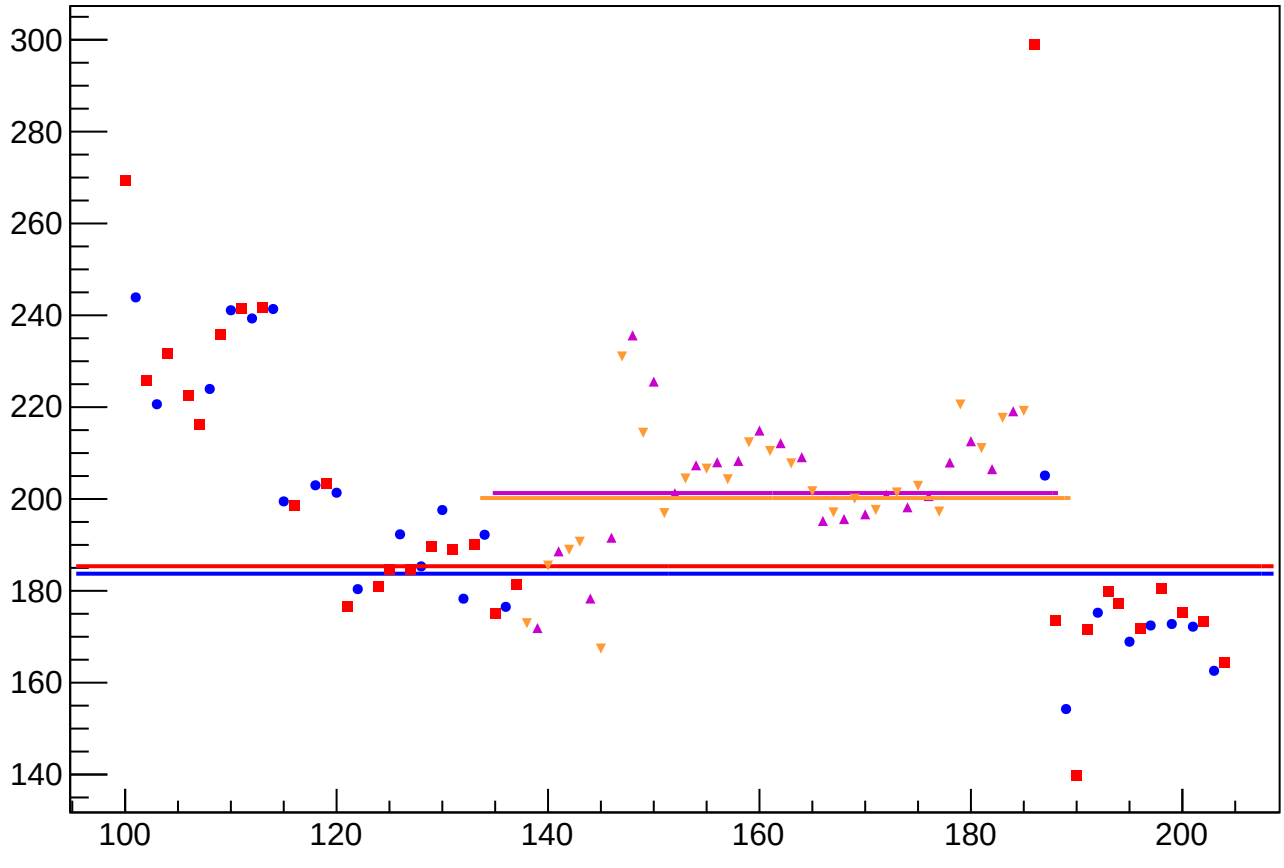
Left: -256.827+/-32.782 χ^2/NDF: 61.3/47

Right: 23.237+/-34.811 χ^2/NDF: 61.8/53

In: -90.522+/-34.599 χ^2/NDF:67.6/46

Out: -156.660+/-32.962 χ^2/NDF:87.9/54

All: -125.193+/-23.865 χ^2/NDF: 157.4/101



Right In: 183.733+/-0.036 χ^2/NDF: 388829.3/23

Left Out: 200.210+/-0.032 χ^2/NDF:204394.0/24

Right Out: 185.359+/-0.034 χ^2/NDF: 550051.0/29

Left In: 201.297+/-0.033 χ^2/NDF:181646.8/22

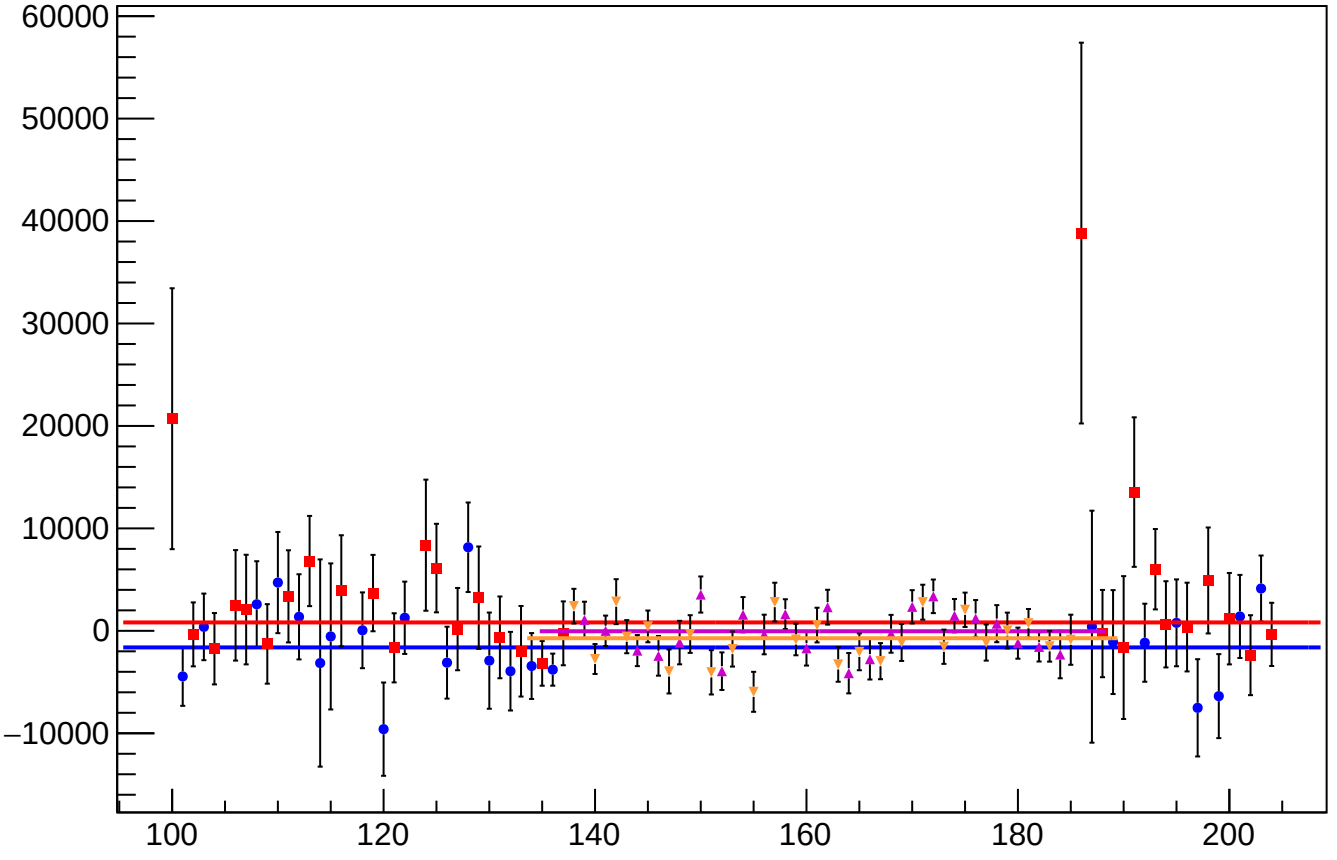
Left: 200.736+/-0.023 χ^2/NDF: 386590.4/47

Right: 184.600+/-0.025 χ^2/NDF: 939967.5/53

In: 193.192+/-0.024 χ^2/NDF:698571.7/46

Out: 193.114+/-0.023 χ^2/NDF:855734.3/54

All: 193.151+/-0.017 χ^2/NDF: 1554311.4/101



Right In: -1618.764+/-747.993 χ^2/NDF: 23.4/23

Left Out: -720.705+/-346.376 χ^2/NDF:38.3/24

Right Out: 820.599+/-753.851 χ^2/NDF: 25.0/29

Left In: -39.275+/-359.265 χ^2/NDF:34.4/22

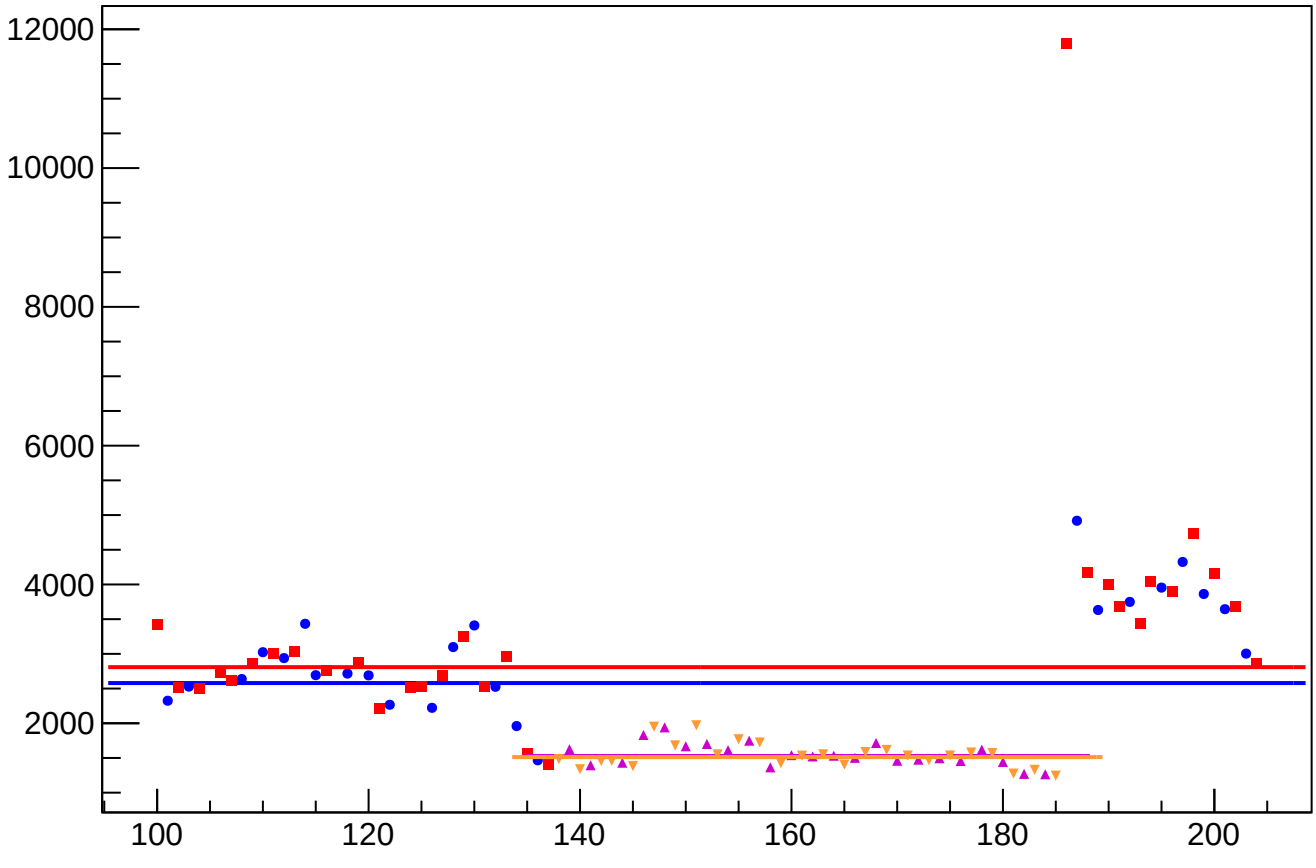
Left: -392.433+/-249.357 χ^2/NDF: 74.6/47

Right: -408.597+/-530.970 χ^2/NDF: 53.7/53

In: -335.350+/-323.847 χ^2/NDF:61.4/46

Out: -452.030+/-314.742 χ^2/NDF:66.7/54

All: -395.353+/-225.706 χ^2/NDF: 128.2/101



Right In: 2579.527+/-0.529 χ^2/NDF: 2490881.2/23

Left Out: 1512.365+/-0.245 χ^2/NDF:442559.1/24

Right Out: 2808.726+/-0.533 χ^2/NDF: 2889538.5/29

Left In: 1527.964+/-0.254 χ^2/NDF:373845.3/22

Left: 1519.880+/-0.176 χ^2/NDF: 818358.6/47

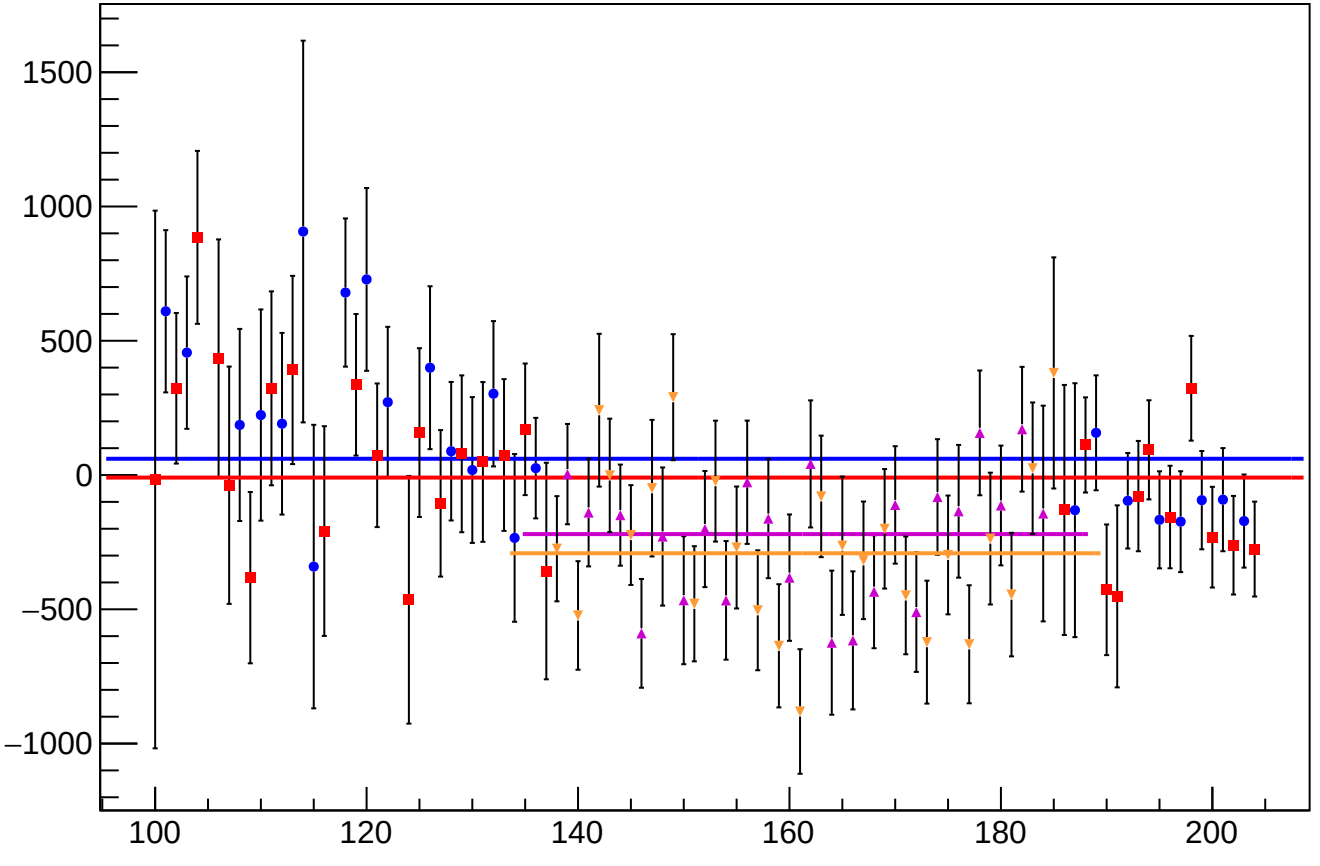
Right: 2693.233+/-0.375 χ^2/NDF: 5473579.2/53

In: 1725.080+/-0.229 χ^2/NDF:6076579.2/46

Out: 1738.342+/-0.223 χ^2/NDF:8215527.1/54

All: 1731.900+/-0.160 χ^2/NDF: 14293831.1/1

eigen_cor_asym_sam_26_dd_mean vs Slug, Sign Corrected



Right In: 60.578+/-50.934 χ^2/NDF: 27.6/23

Left Out: -291.316+/-45.614 χ^2/NDF:36.4/24

Right Out: -9.494+/-47.686 χ^2/NDF: 33.3/29

Left In: -219.983+/-47.146 χ^2/NDF:23.7/22

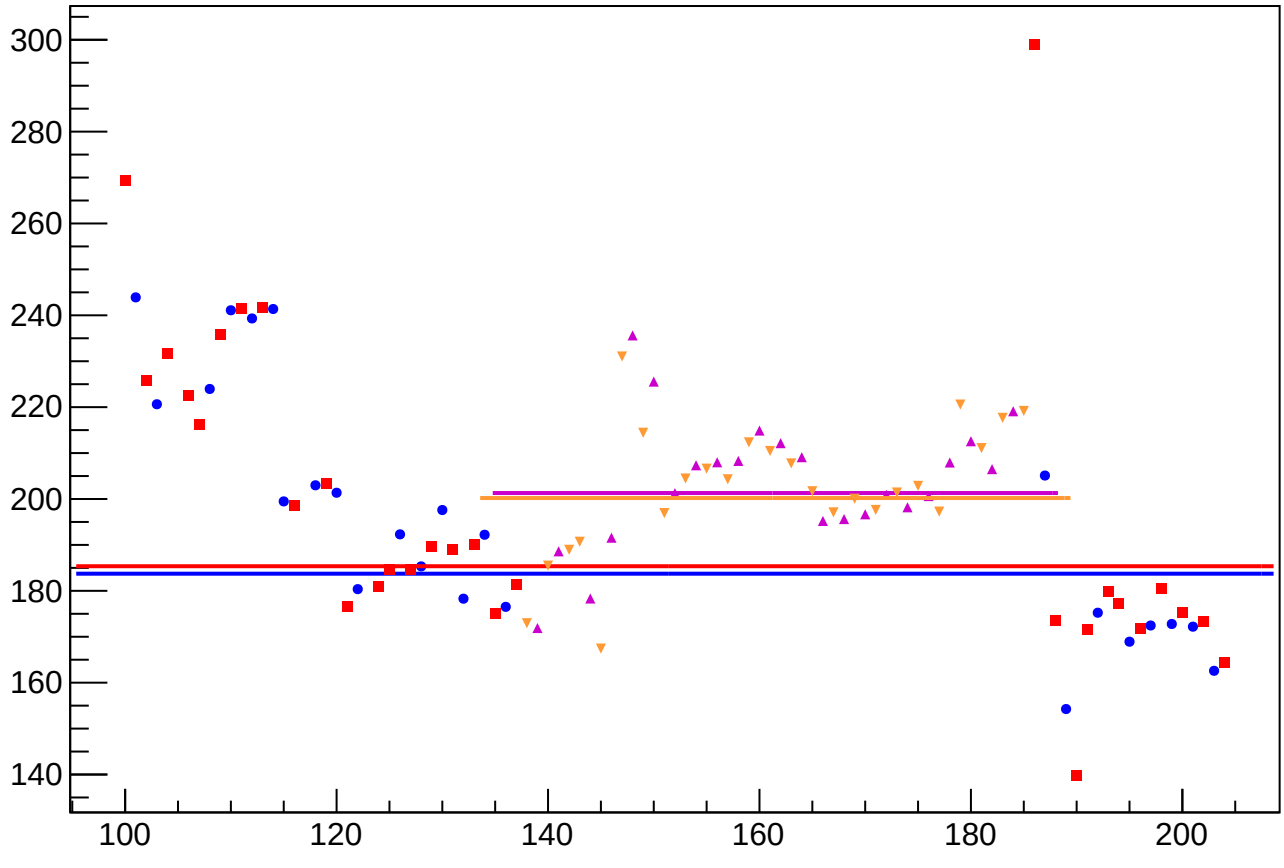
Left: -256.827+/-32.782 χ^2/NDF: 61.3/47

Right: 23.237+/-34.811 χ^2/NDF: 61.8/53

In: -90.522+/-34.599 χ^2/NDF:67.6/46

Out: -156.660+/-32.962 χ^2/NDF:87.9/54

All: -125.193+/-23.865 χ^2/NDF: 157.4/101



Right In: 183.733+/-0.036 χ^2/NDF: 388829.3/23

Left Out: 200.210+/-0.032 χ^2/NDF:204394.0/24

Right Out: 185.359+/-0.034 χ^2/NDF: 550051.0/29

Left In: 201.297+/-0.033 χ^2/NDF:181646.8/22

Left: 200.736+/-0.023 χ^2/NDF: 386590.4/47

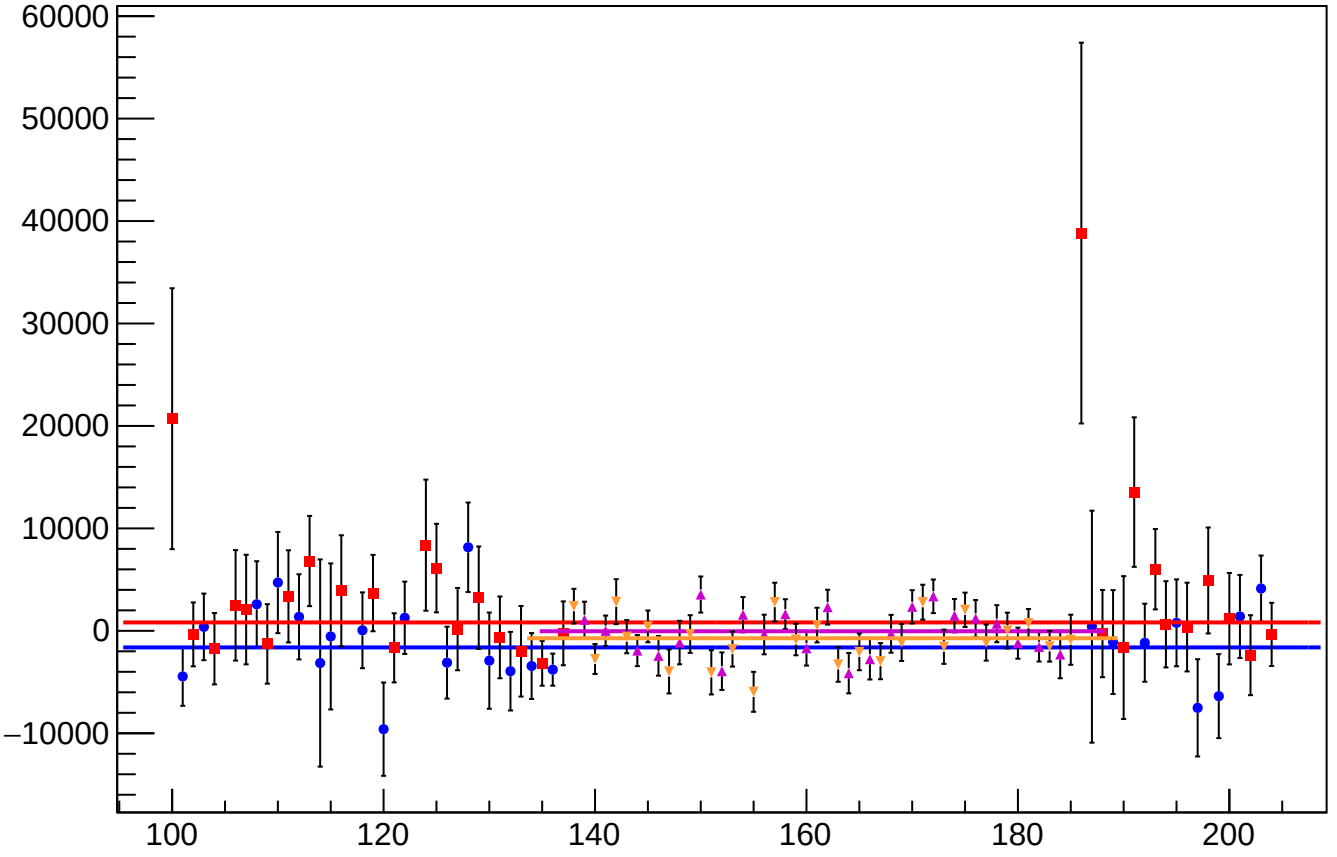
Right: 184.600+/-0.025 χ^2/NDF: 939967.5/53

In: 193.192+/-0.024 χ^2/NDF:698571.7/46

Out: 193.114+/-0.023 χ^2/NDF:855734.3/54

All: 193.151+/-0.017 χ^2/NDF: 1554311.4/101

asym_sam_26_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -1618.764+/-747.993 χ^2/NDF: 23.4/23

Left Out: -720.705+/-346.376 χ^2/NDF:38.3/24

Right Out: 820.599+/-753.851 χ^2/NDF: 25.0/29

Left In: -39.275+/-359.265 χ^2/NDF:34.4/22

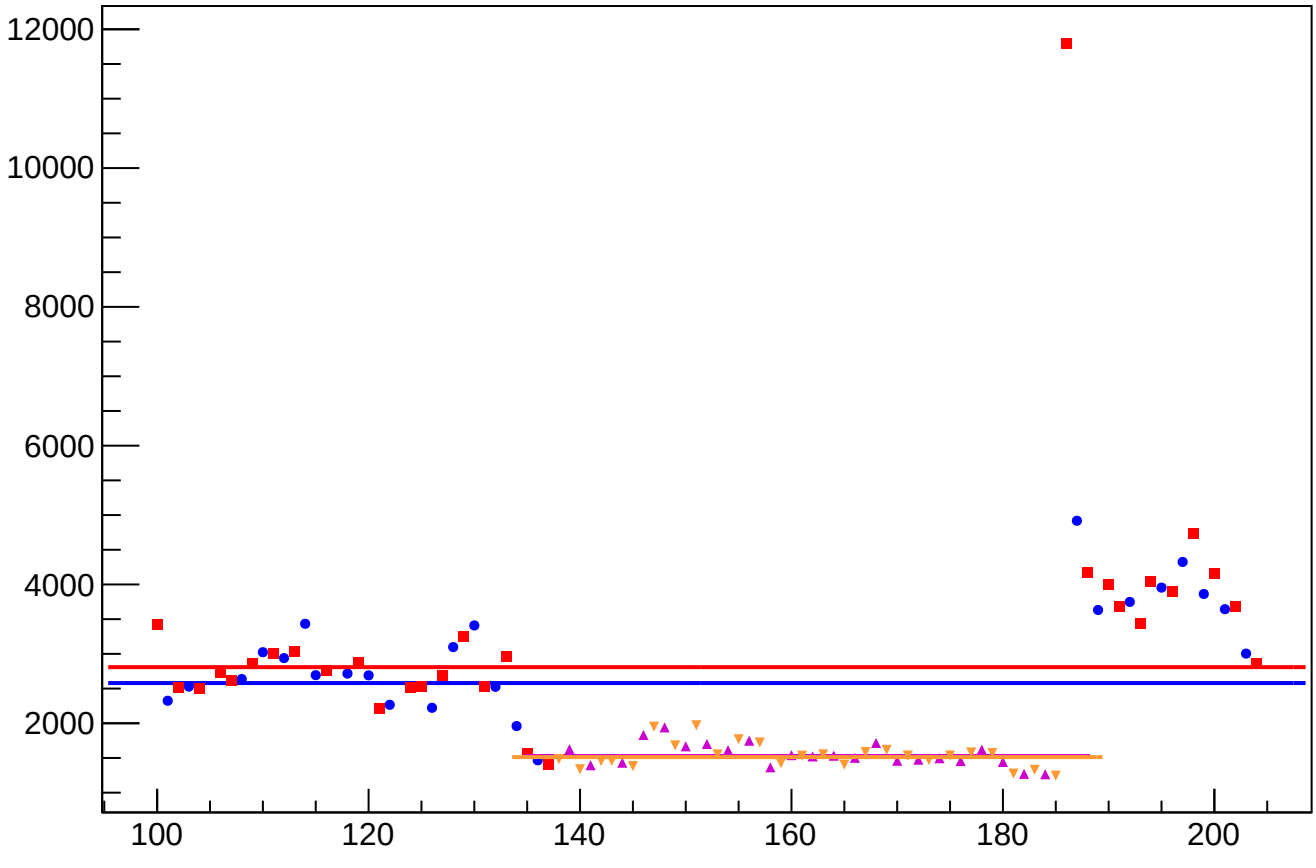
Left: -392.433+/-249.357 χ^2/NDF: 74.6/47

Right: -408.597+/-530.970 χ^2/NDF: 53.7/53

In: -335.350+/-323.847 χ^2/NDF:61.4/46

Out: -452.030+/-314.742 χ^2/NDF:66.7/54

All: -395.353+/-225.706 χ^2/NDF: 128.2/101


asym_sam_26_dd_eigen_cor_correction_rms vs Slug, Sign Corrected
12000
10000
8000
6000
4000
2000
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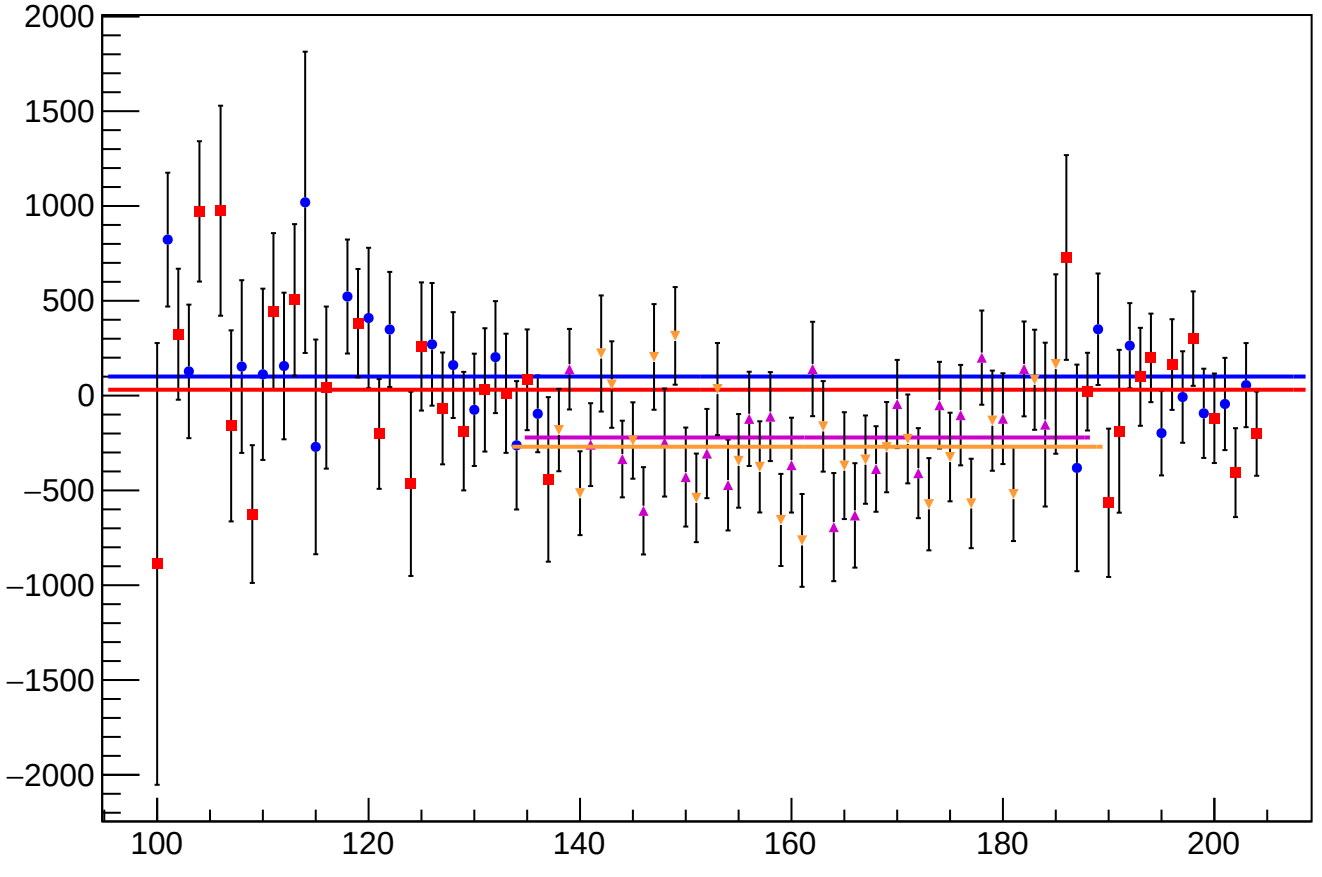
120
140
160
180
200
Right In: 2579.527+/-0.529 χ²/NDF: 2490881.2/23
Left Out: 1512.365+/-0.245 χ²/NDF:442559.1/24
Right Out: 2808.726+/-0.533 χ²/NDF: 2889538.5/29
Left In: 1527.964+/-0.254 χ²/NDF:373845.3/22
Left: 1519.880+/-0.176 χ²/NDF: 818358.6/47
Right: 2693.233+/-0.375 χ²/NDF: 5473579.2/53
In: 1725.080+/-0.229 χ²/NDF:6076579.2/46
Out: 1738.342+/-0.223 χ²/NDF:8215527.1/54
All: 1731.900+/-0.160 χ²/NDF: 14293831.1/1

dit_asym_sam_26_dd_mean vs Slug, Sign Corrected



Right In: 100.539+/-60.628 χ^2/NDF: 17.3/23

Left Out: -269.678+/-49.158 χ^2/NDF:31.5/24

Right Out: 30.937+/-56.858 χ^2/NDF: 33.3/29

Left In: -220.926+/-50.956 χ^2/NDF:23.4/22

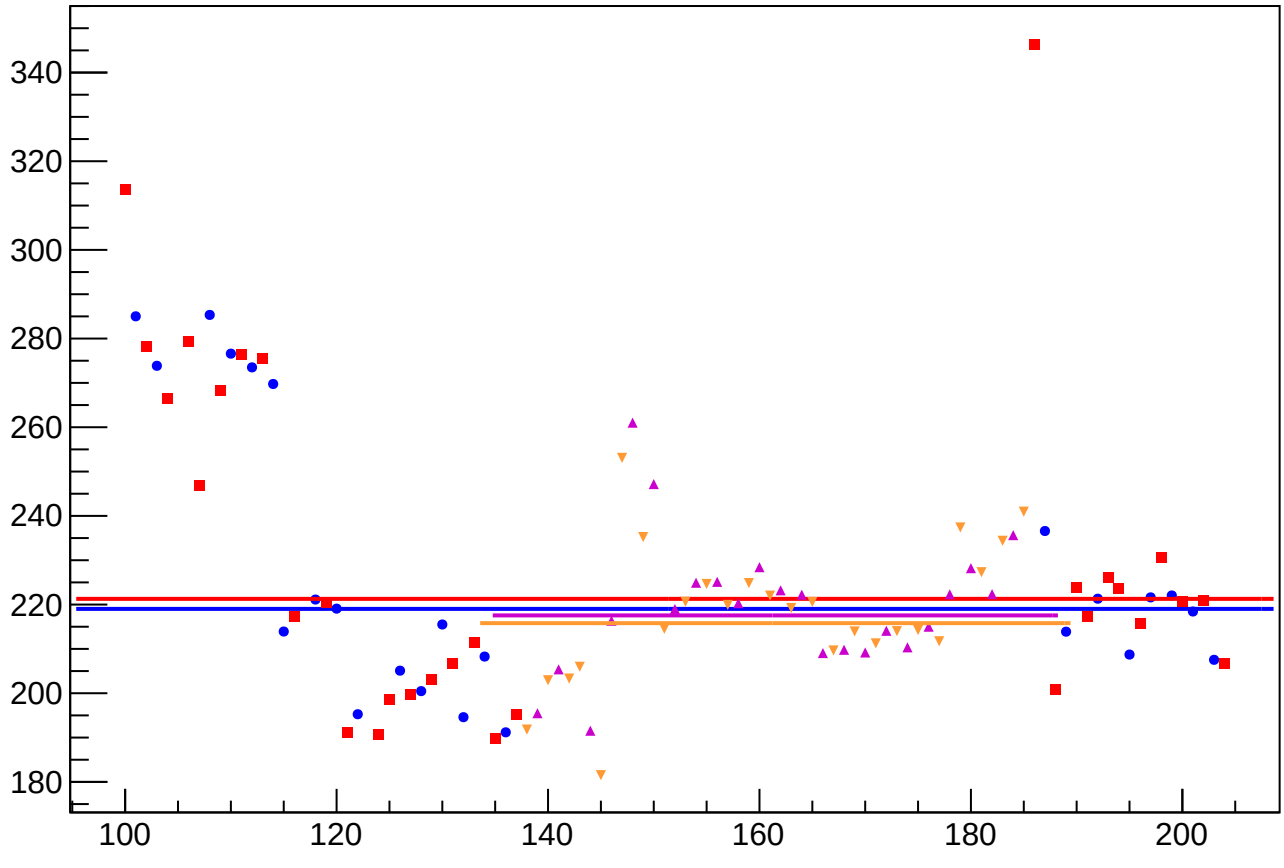
Left: -246.177+/-35.378 χ^2/NDF: 55.3/47

Right: 63.507+/-41.473 χ^2/NDF: 51.3/53

In: -87.851+/-39.008 χ^2/NDF:57.1/46

Out: -141.091+/-37.186 χ^2/NDF:80.8/54

All: -115.743+/-26.916 χ^2/NDF: 138.9/101



Right In: 219.024+/-0.043 χ^2/NDF: 333101.1/23

Left Out: 215.807+/-0.035 χ^2/NDF:188699.2/24

Right Out: 221.289+/-0.040 χ^2/NDF: 468510.5/29

Left In: 217.555+/-0.036 χ^2/NDF:161066.4/22

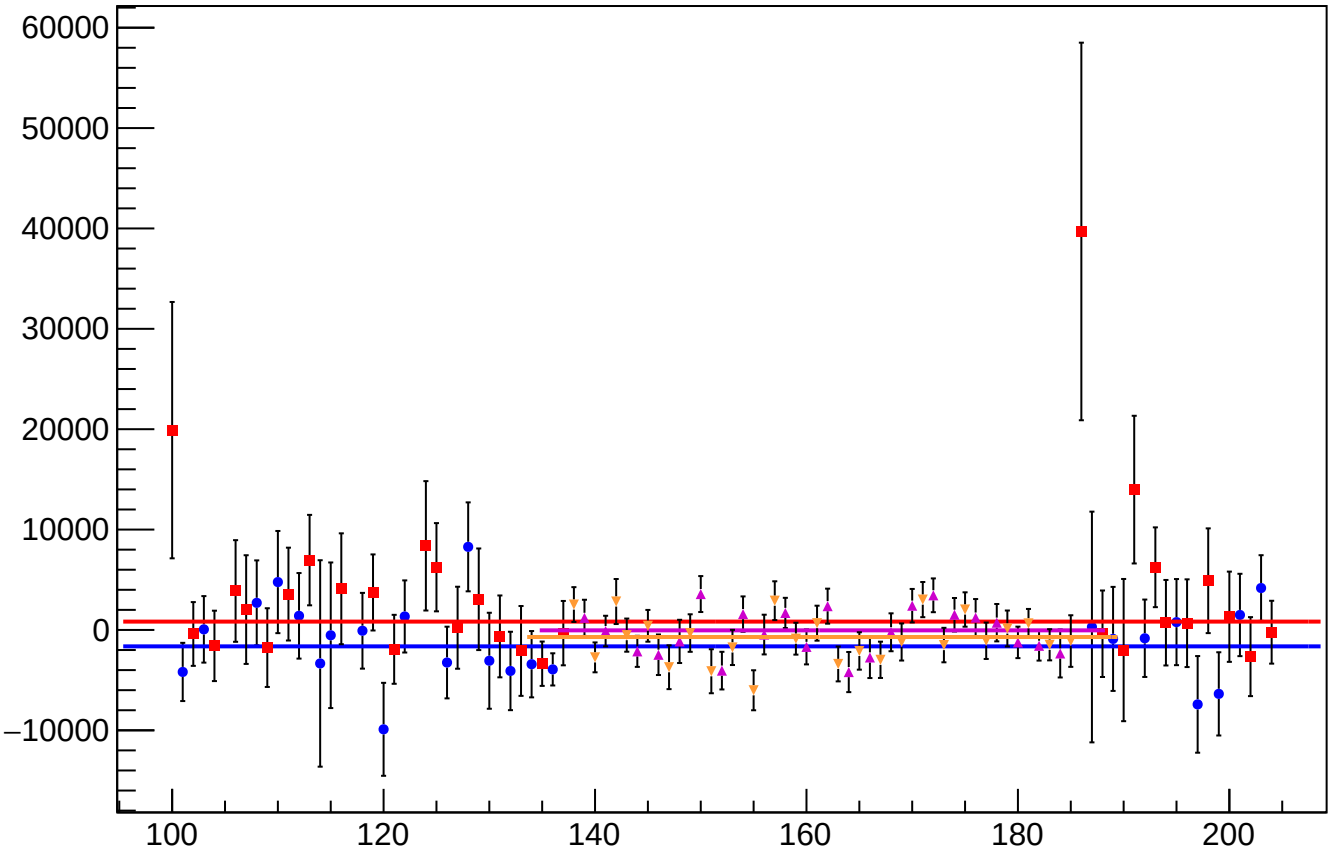
Left: 216.649+/-0.025 χ^2/NDF: 350985.0/47

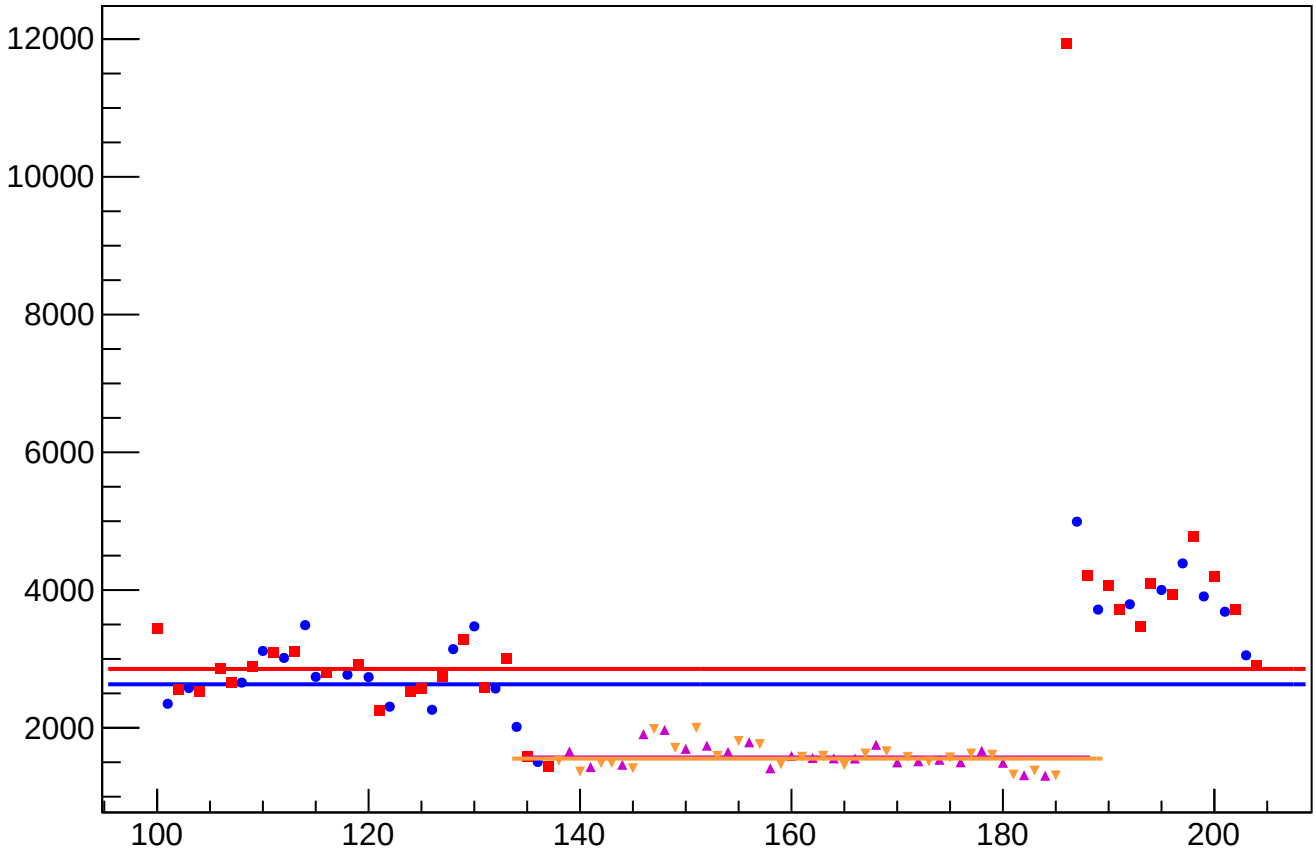
Right: 220.229+/-0.029 χ^2/NDF: 803095.6/53

In: 218.163+/-0.028 χ^2/NDF:494856.3/46

Out: 218.151+/-0.026 χ^2/NDF:667848.8/54

All: 218.157+/-0.019 χ^2/NDF: 1162705.2/101


asym_sam_26_dd_dit_correction_mean vs Slug, Sign Corrected
60000
50000
40000
30000
20000
10000
0
−10000
100
120
140
160
180
200
Right In: -1635.351+/-762.061 χ²/NDF: 23.2/23
Left Out: -704.012+/-355.462 χ²/NDF:37.6/24
Right Out: 831.509+/-763.883 χ²/NDF: 26.0/29
Left In: -39.658+/-368.873 χ²/NDF:34.3/22
Left: -384.132+/-255.960 χ²/NDF: 73.6/47
Right: -404.867+/-539.501 χ²/NDF: 54.4/53
In: -342.561+/-332.022 χ²/NDF:61.1/46
Out: -430.698+/-322.278 χ²/NDF:66.9/54
All: -387.942+/-231.253 χ²/NDF: 128.0/101



Right In: 2631.736+/-0.539 χ^2/NDF: 2433989.7/23

Left Out: 1553.019+/-0.251 χ^2/NDF:409933.8/24

Right Out: 2854.664+/-0.540 χ^2/NDF: 2848387.1/29

Left In: 1569.383+/-0.261 χ^2/NDF:357481.9/22

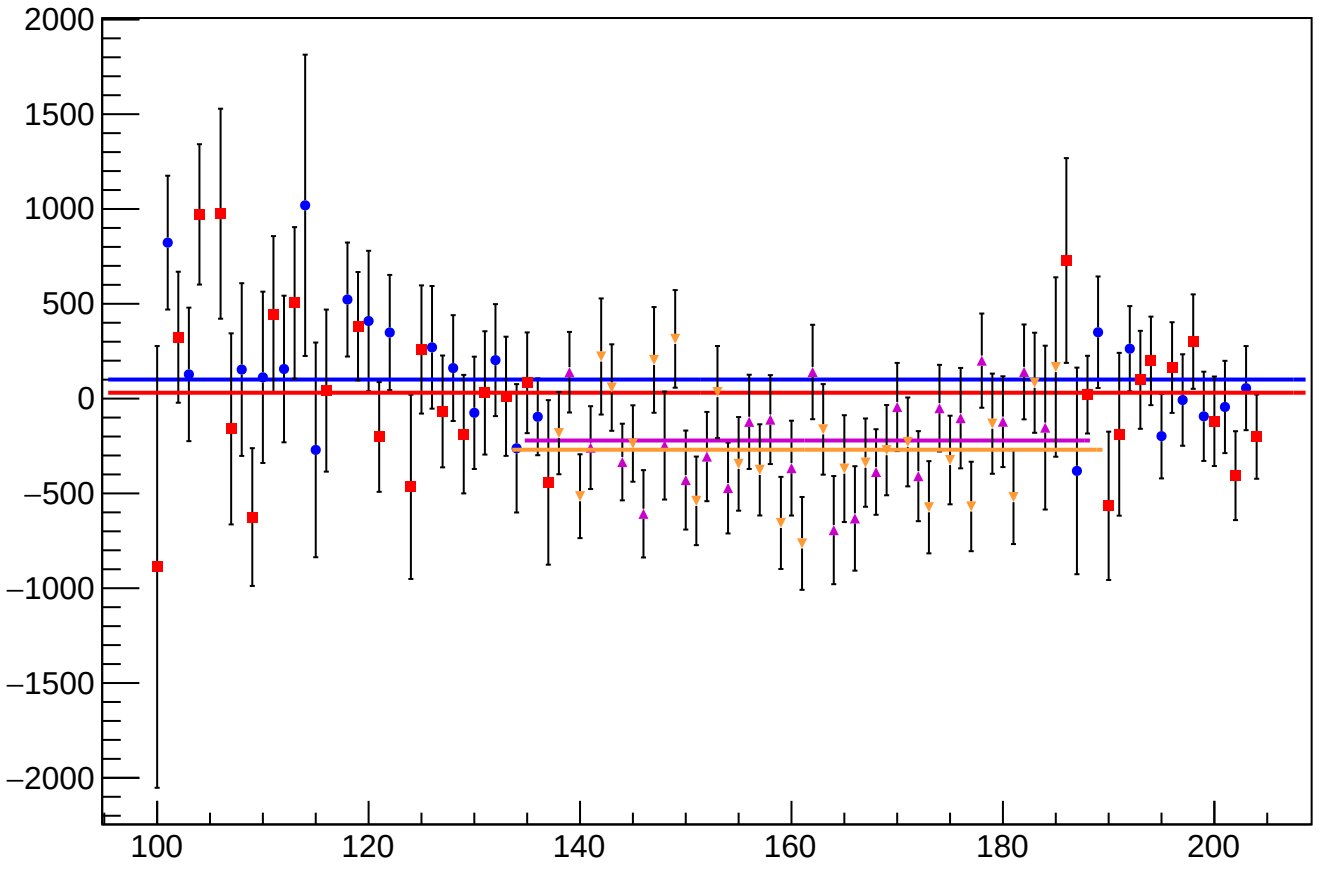
Left: 1560.898+/-0.181 χ^2/NDF: 769456.5/47

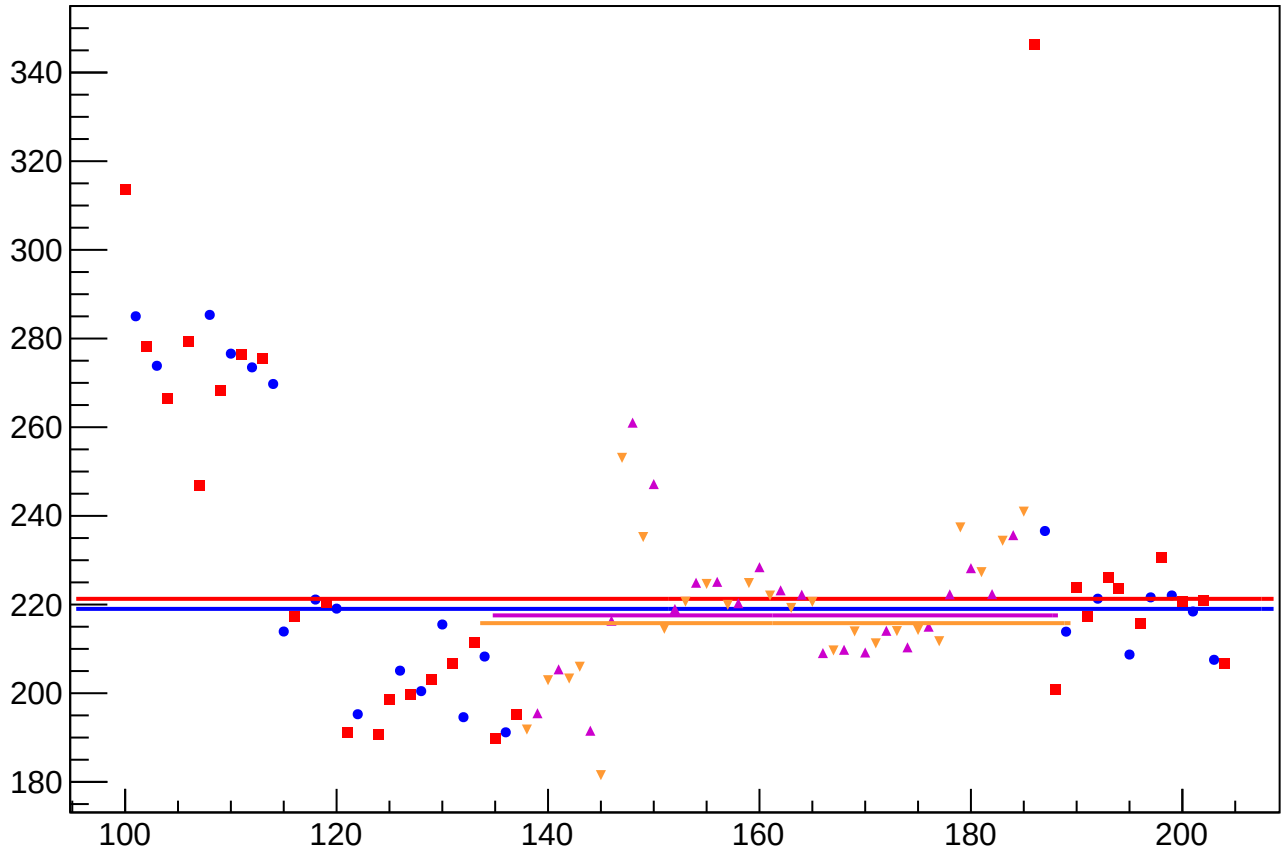
Right: 2742.934+/-0.381 χ^2/NDF: 5367748.0/53

In: 1771.045+/-0.235 χ^2/NDF:5940431.0/46

Out: 1784.705+/-0.228 χ^2/NDF:8031808.3/54

All: 1778.078+/-0.164 χ^2/NDF: 13973982.4/1


eigen_dit_asym_sam_26_dd_mean vs Slug, Sign Corrected
2000
1500
1000
500
0
−500
−1000
−1500
−2000
100
120
140
160
180
200
Right In: 100.542+/-60.628 χ²/NDF: 17.3/23
Left Out: -269.680+/-49.158 χ²/NDF:31.5/24
Right Out: 30.938+/-56.858 χ²/NDF: 33.3/29
Left In: -220.927+/-50.956 χ²/NDF:23.4/22
Left: -246.179+/-35.378 χ²/NDF: 55.3/47
Right: 63.509+/-41.473 χ²/NDF: 51.3/53
In: -87.850+/-39.008 χ²/NDF:57.1/46
Out: -141.091+/-37.186 χ²/NDF:80.8/54
All: -115.743+/-26.916 χ²/NDF: 138.9/101



Right In: 219.024+/-0.043 χ^2/NDF: 333093.1/23

Left Out: 215.806+/-0.035 χ^2/NDF:188703.4/24

Right Out: 221.288+/-0.040 χ^2/NDF: 468493.7/29

Left In: 217.555+/-0.036 χ^2/NDF:161069.0/22

Left: 216.649+/-0.025 χ^2/NDF: 350991.6/47

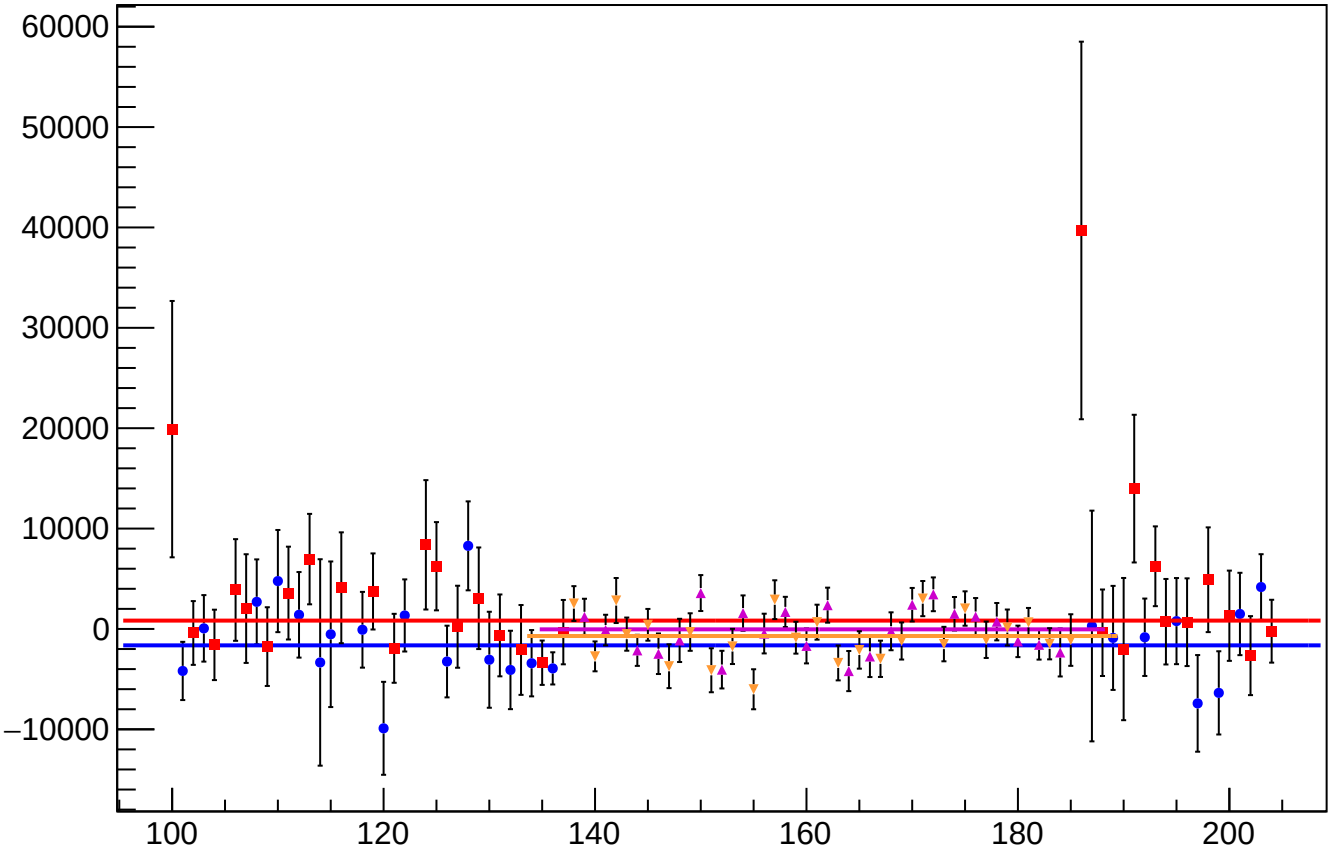
Right: 220.229+/-0.029 χ^2/NDF: 803071.2/53

In: 218.163+/-0.028 χ^2/NDF:494850.5/46

Out: 218.151+/-0.026 χ^2/NDF:667835.0/54

All: 218.157+/-0.019 χ^2/NDF: 1162685.6/101

asym_sam_26_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -1635.349+/-762.060 χ^2/NDF: 23.2/23

Left Out: -704.012+/-355.462 χ^2/NDF:37.6/24

Right Out: 831.510+/-763.882 χ^2/NDF: 26.0/29

Left In: -39.657+/-368.873 χ^2/NDF:34.3/22

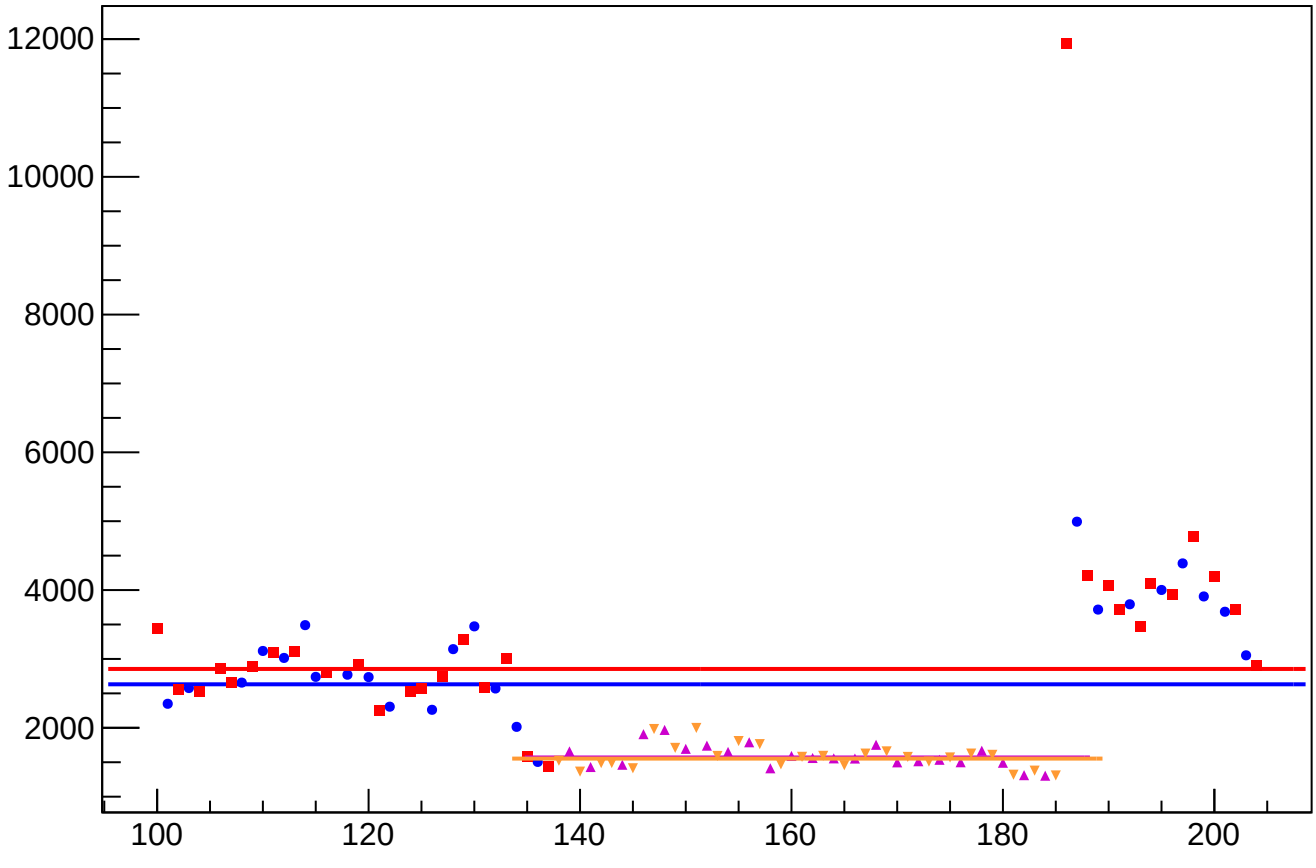
Left: -384.131+/-255.960 χ^2/NDF: 73.6/47

Right: -404.866+/-539.501 χ^2/NDF: 54.4/53

In: -342.560+/-332.022 χ^2/NDF:61.1/46

Out: -430.697+/-322.278 χ^2/NDF:66.9/54

All: -387.941+/-231.253 χ^2/NDF: 128.0/101



Right In: 2631.733+/-0.539 χ^2/NDF: 2433985.7/23

Left Out: 1553.020+/-0.251 χ^2/NDF:409936.6/24

Right Out: 2854.661+/-0.540 χ^2/NDF: 2848389.7/29

Left In: 1569.383+/-0.261 χ^2/NDF:357484.6/22

Left: 1560.899+/-0.181 χ^2/NDF: 769461.9/47

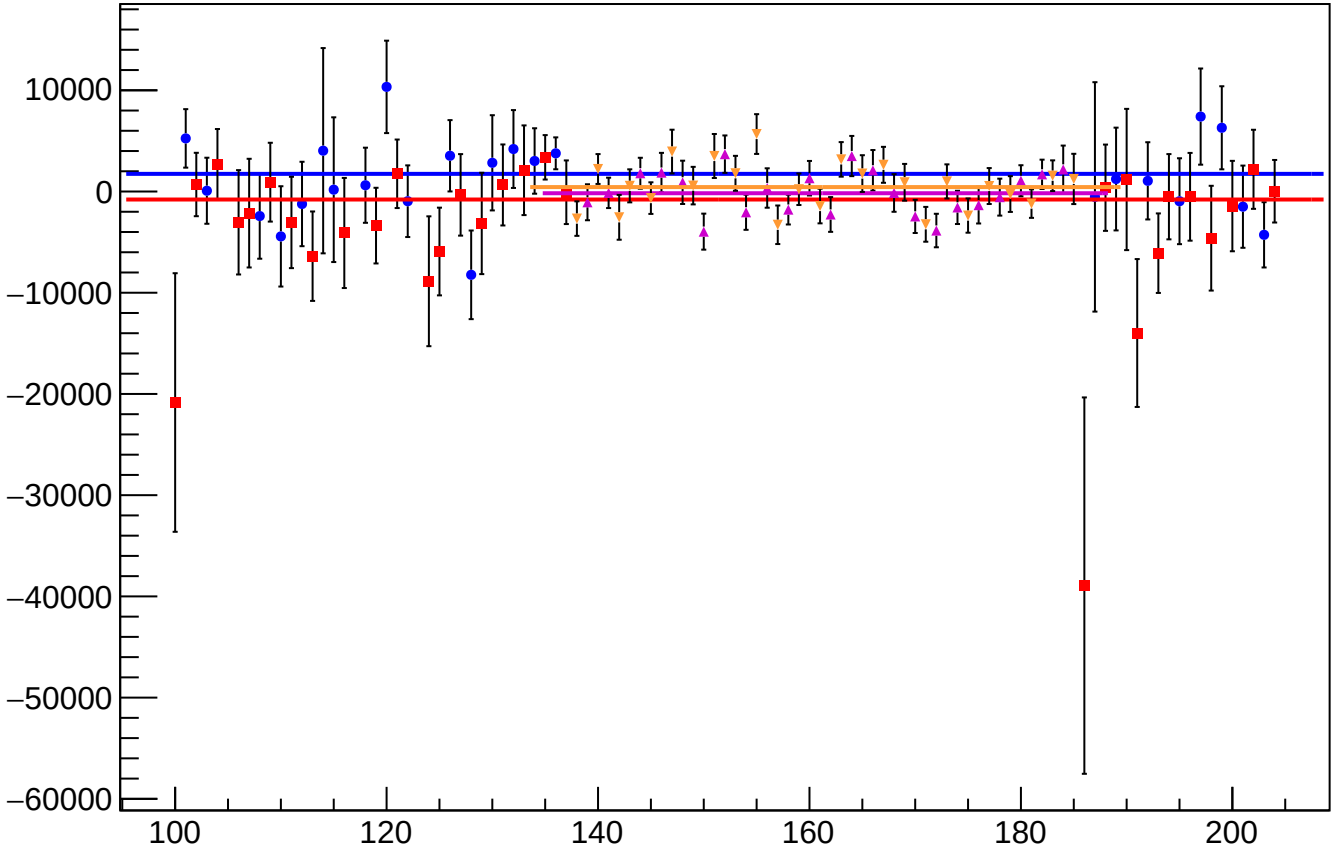
Right: 2742.931+/-0.381 χ^2/NDF: 5367746.4/53

In: 1771.045+/-0.235 χ^2/NDF:5940419.2/46

Out: 1784.705+/-0.228 χ^2/NDF:8031795.5/54

All: 1778.078+/-0.164 χ^2/NDF: 13973957.9/1

asym_sam_26_dd_mean vs Slug, Sign Corrected



Right In: 1744.125+/-750.966 χ^2/NDF: 24.1/23

Left Out: 437.522+/-349.581 χ^2/NDF:38.9/24

Right Out: -790.504+/-755.511 χ^2/NDF: 25.5/29

Left In: -169.827+/-362.550 χ^2/NDF:33.0/22

Left: 144.904+/-251.651 χ^2/NDF: 73.3/47

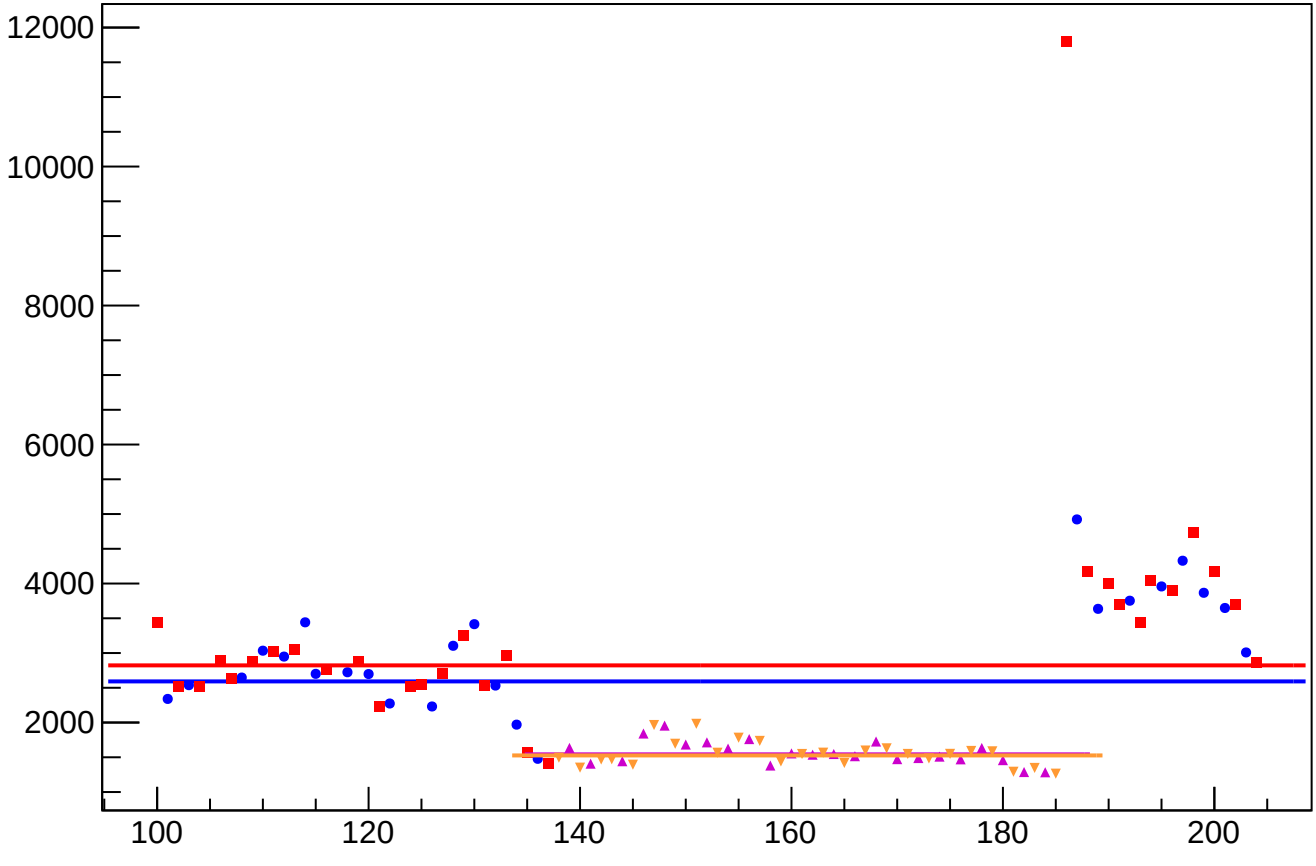
Right: 484.459+/-532.613 χ^2/NDF: 55.2/53

In: 191.947+/-326.492 χ^2/NDF:62.3/46

Out: 220.967+/-317.264 χ^2/NDF:66.5/54

All: 206.873+/-227.532 χ^2/NDF: 128.9/101

asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 2591.793+/-0.531 χ^2/NDF: 2455615.2/23

Left Out: 1526.726+/-0.247 χ^2/NDF:429467.0/24

Right Out: 2822.428+/-0.534 χ^2/NDF: 2858256.2/29

Left In: 1542.262+/-0.256 χ^2/NDF:362291.1/22

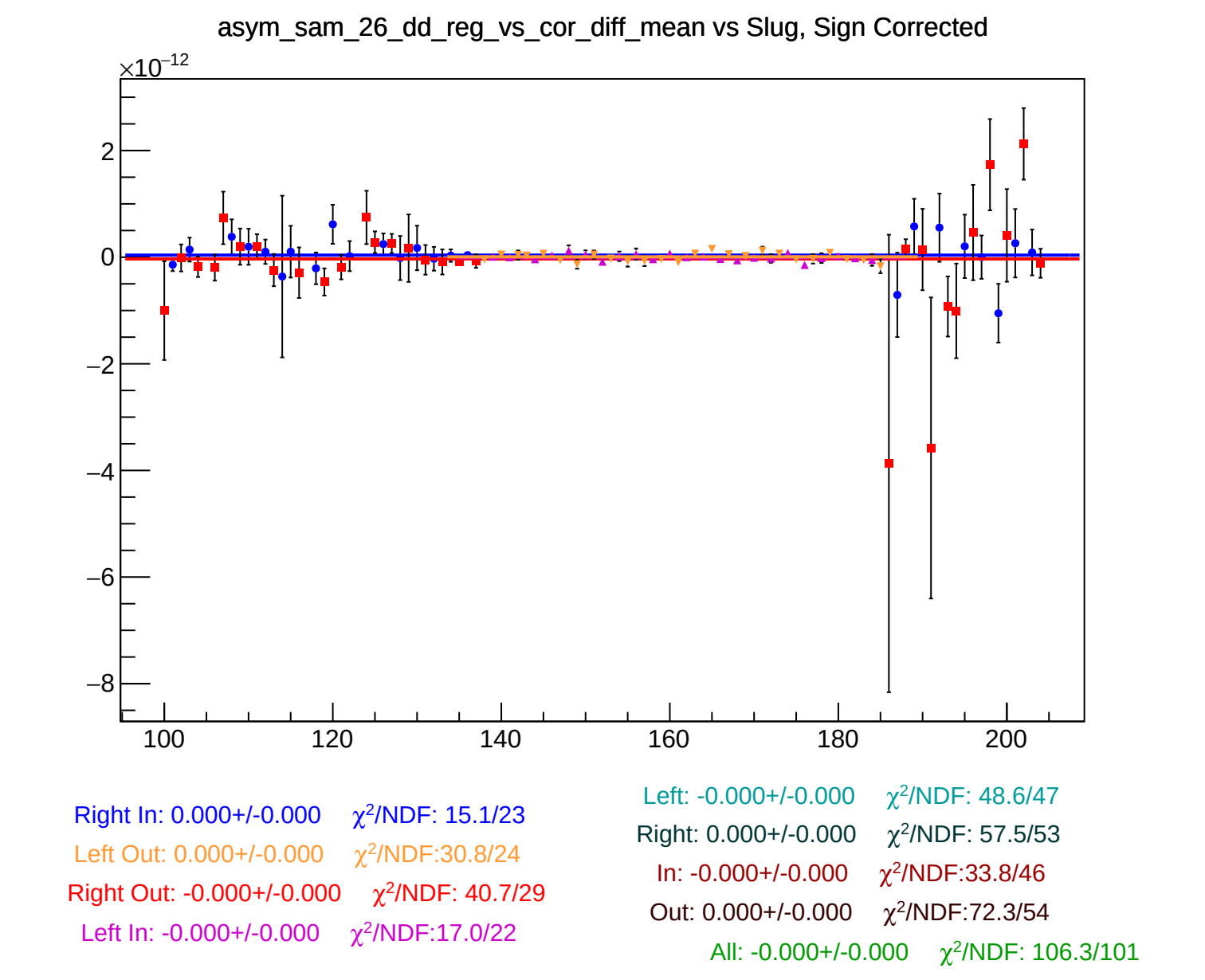
Left: 1534.211+/-0.178 χ^2/NDF: 793661.4/47

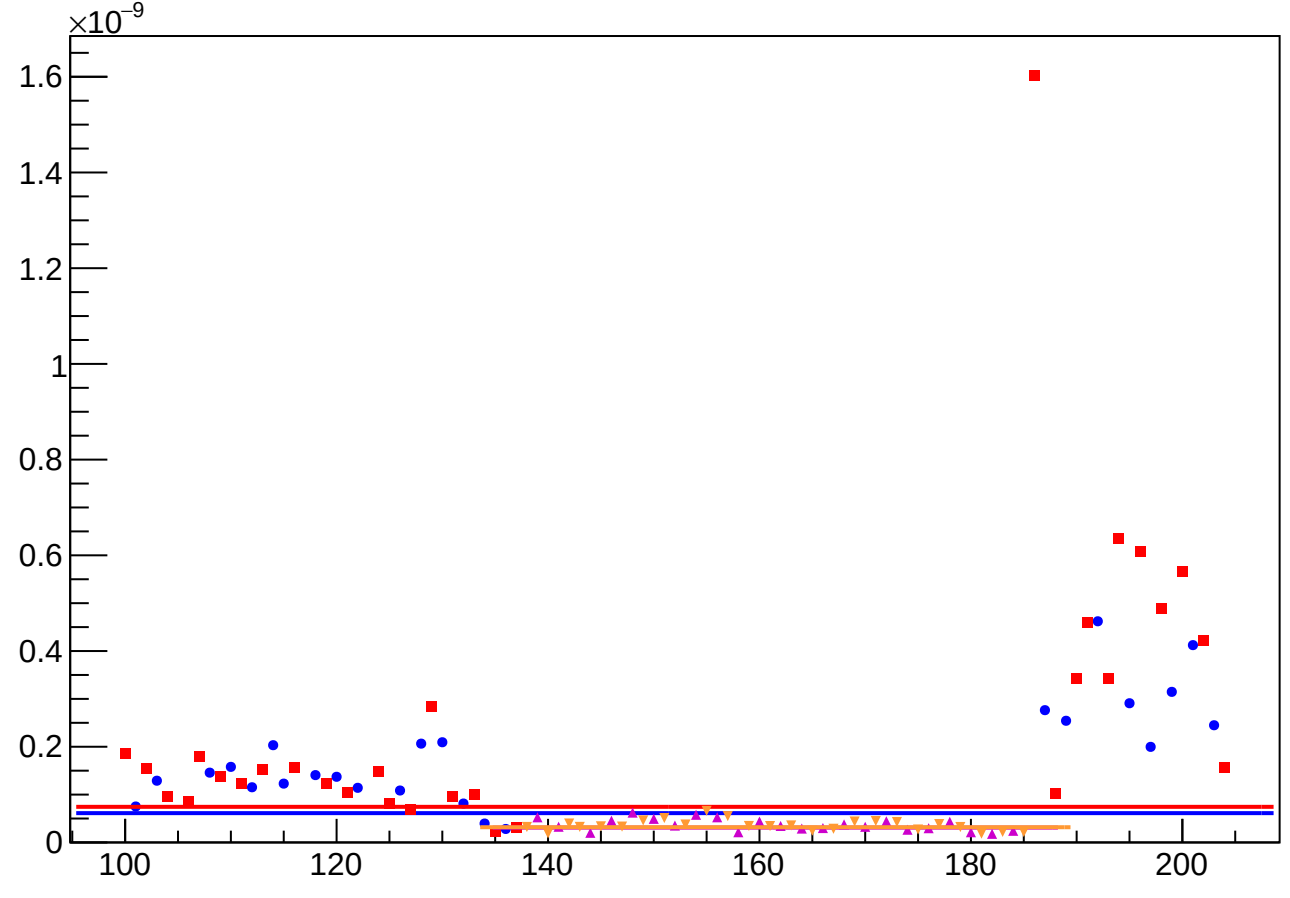
Right: 2706.414+/-0.377 χ^2/NDF: 5407623.7/53

In: 1740.644+/-0.231 χ^2/NDF:5985944.3/46

Out: 1755.215+/-0.224 χ^2/NDF:8132839.1/54

All: 1748.138+/-0.161 χ^2/NDF: 14120832.2/1


asym_sam_26_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
0
−2
−4
−6
−8
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 15.1/23
Left Out: 0.000+/-0.000 χ²/NDF:30.8/24
Right Out: -0.000+/-0.000 χ²/NDF: 40.7/29
Left In: -0.000+/-0.000 χ²/NDF:17.0/22
Left: -0.000+/-0.000 χ²/NDF: 48.6/47
Right: 0.000+/-0.000 χ²/NDF: 57.5/53
In: -0.000+/-0.000 χ²/NDF:33.8/46
Out: 0.000+/-0.000 χ²/NDF:72.3/54
All: -0.000+/-0.000 χ²/NDF: 106.3/101



Right In: 0.000+/-0.000 χ^2/NDF: 5802964.5/23

Left Out: 0.000+/-0.000 χ^2/NDF:1231140.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6967034.2/29

Left In: 0.000+/-0.000 χ^2/NDF:1593815.4/22

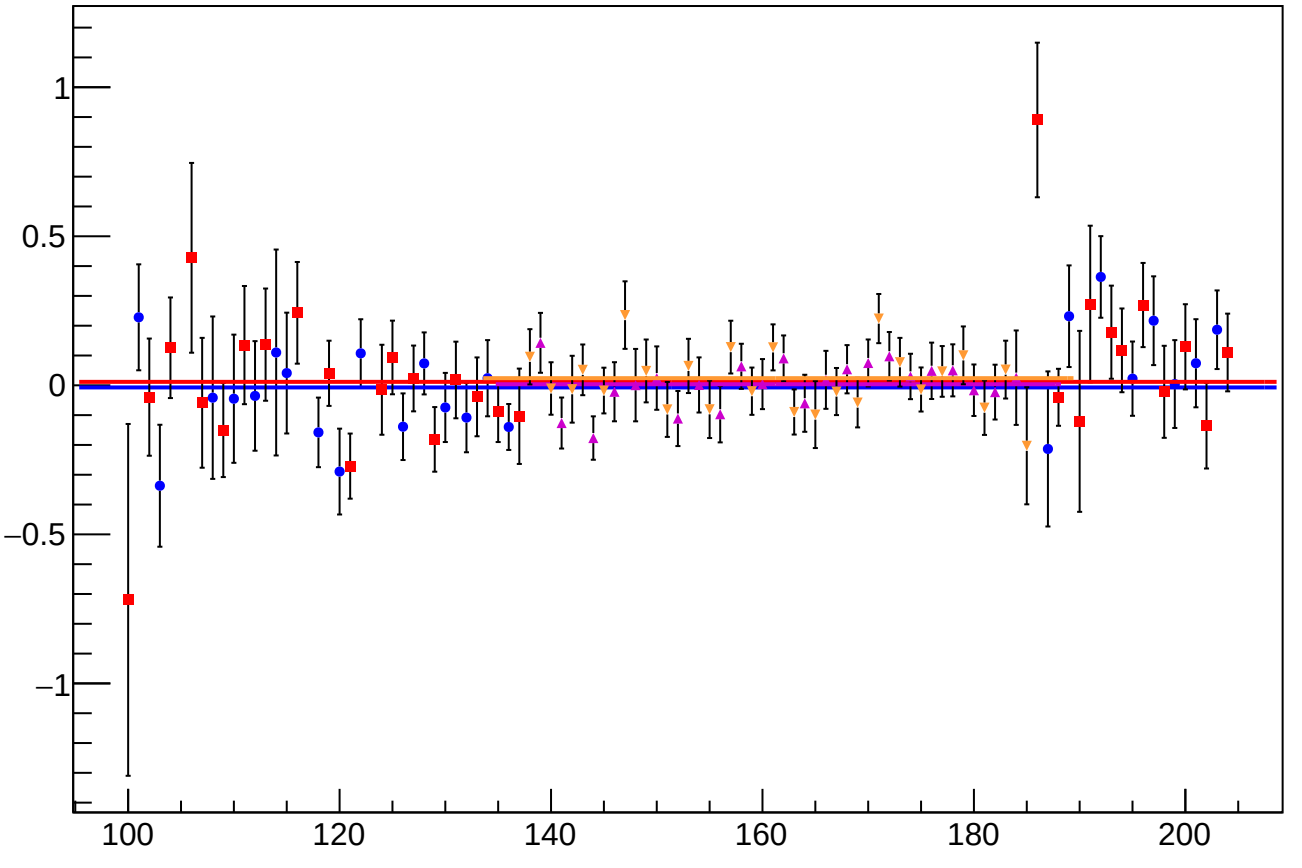
Left: 0.000+/-0.000 χ^2/NDF: 2829280.6/47

Right: 0.000+/-0.000 χ^2/NDF: 12886536.2/53

In: 0.000+/-0.000 χ^2/NDF:8673157.0/46

Out: 0.000+/-0.000 χ^2/NDF:10157641.7/54

All: 0.000+/-0.000 χ^2/NDF: 18836093.1/101



Right In: -0.007+/-0.028 χ^2/NDF: 31.9/23

Left Out: 0.024+/-0.018 χ^2/NDF:25.5/24

Right Out: 0.012+/-0.027 χ^2/NDF: 40.0/29

Left In: 0.004+/-0.019 χ^2/NDF:18.9/22

Left: 0.014+/-0.013 χ^2/NDF: 45.0/47

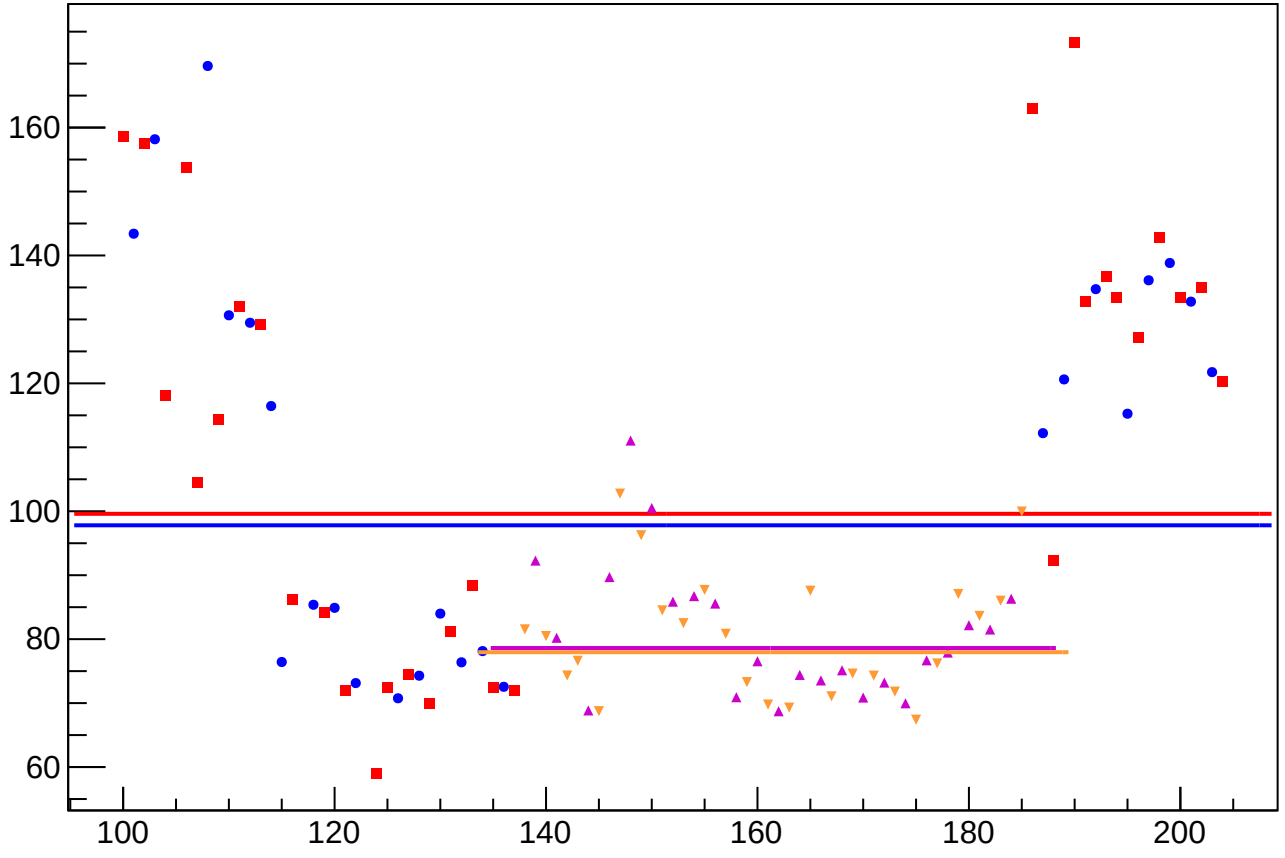
Right: 0.003+/-0.019 χ^2/NDF: 72.1/53

In: 0.000+/-0.015 χ^2/NDF:50.9/46

Out: 0.020+/-0.015 χ^2/NDF:65.7/54

All: 0.011+/-0.011 χ^2/NDF: 117.4/101

asym_sam_26_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 97.805+/-0.020 χ^2/NDF: 1980843.6/23

Left Out: 77.957+/-0.013 χ^2/NDF:439703.9/24

Right Out: 99.599+/-0.019 χ^2/NDF: 2354767.7/29

Left In: 78.615+/-0.013 χ^2/NDF:497808.4/22

Left: 78.273+/-0.009 χ^2/NDF: 938817.0/47

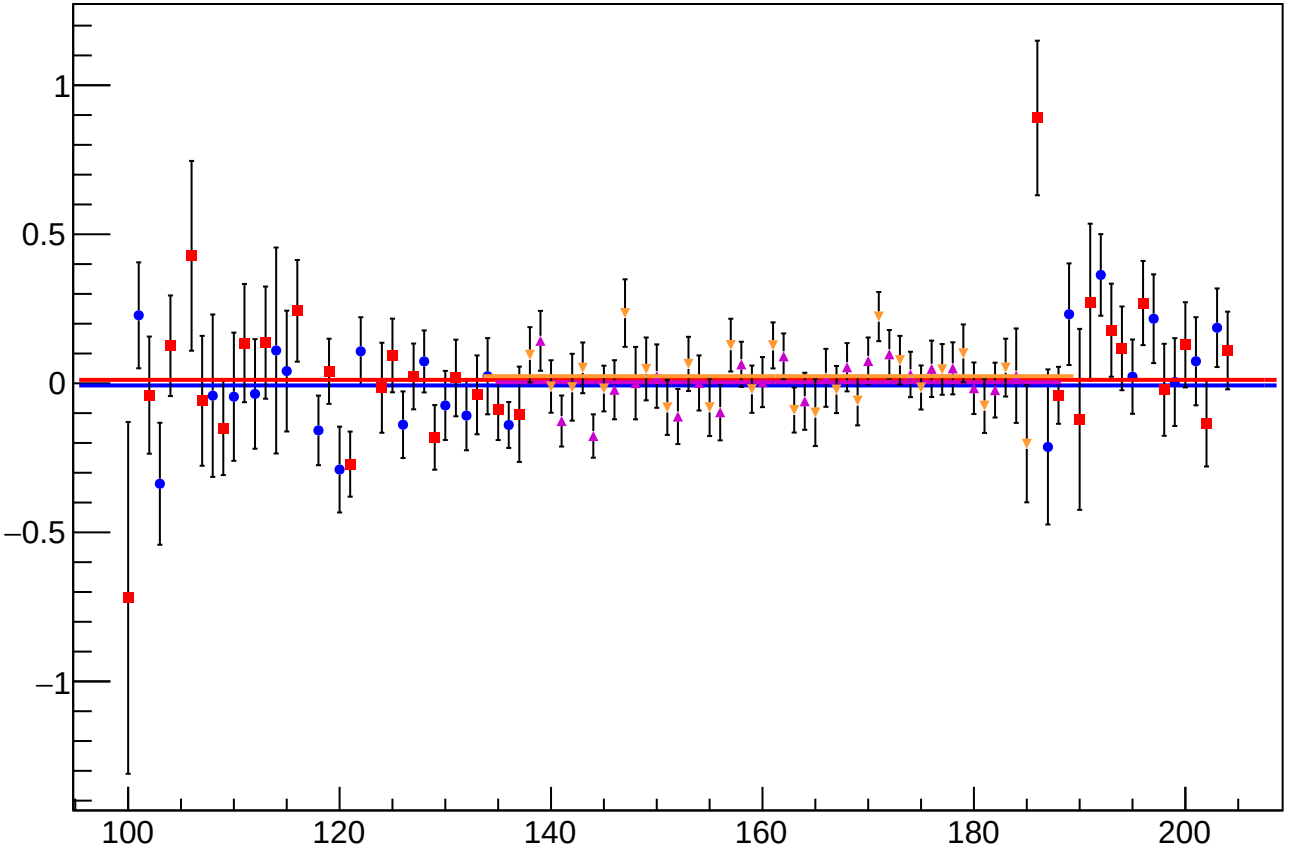
Right: 98.751+/-0.014 χ^2/NDF: 4339896.1/53

In: 84.435+/-0.011 χ^2/NDF:3126712.4/46

Out: 84.669+/-0.010 χ^2/NDF:3705627.9/54

All: 84.557+/-0.008 χ^2/NDF: 6832579.7/101

asym_sam_26_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.007+/-0.028 χ^2/NDF: 31.9/23

Left Out: 0.024+/-0.018 χ^2/NDF:25.5/24

Right Out: 0.012+/-0.027 χ^2/NDF: 40.0/29

Left In: 0.004+/-0.019 χ^2/NDF:18.9/22

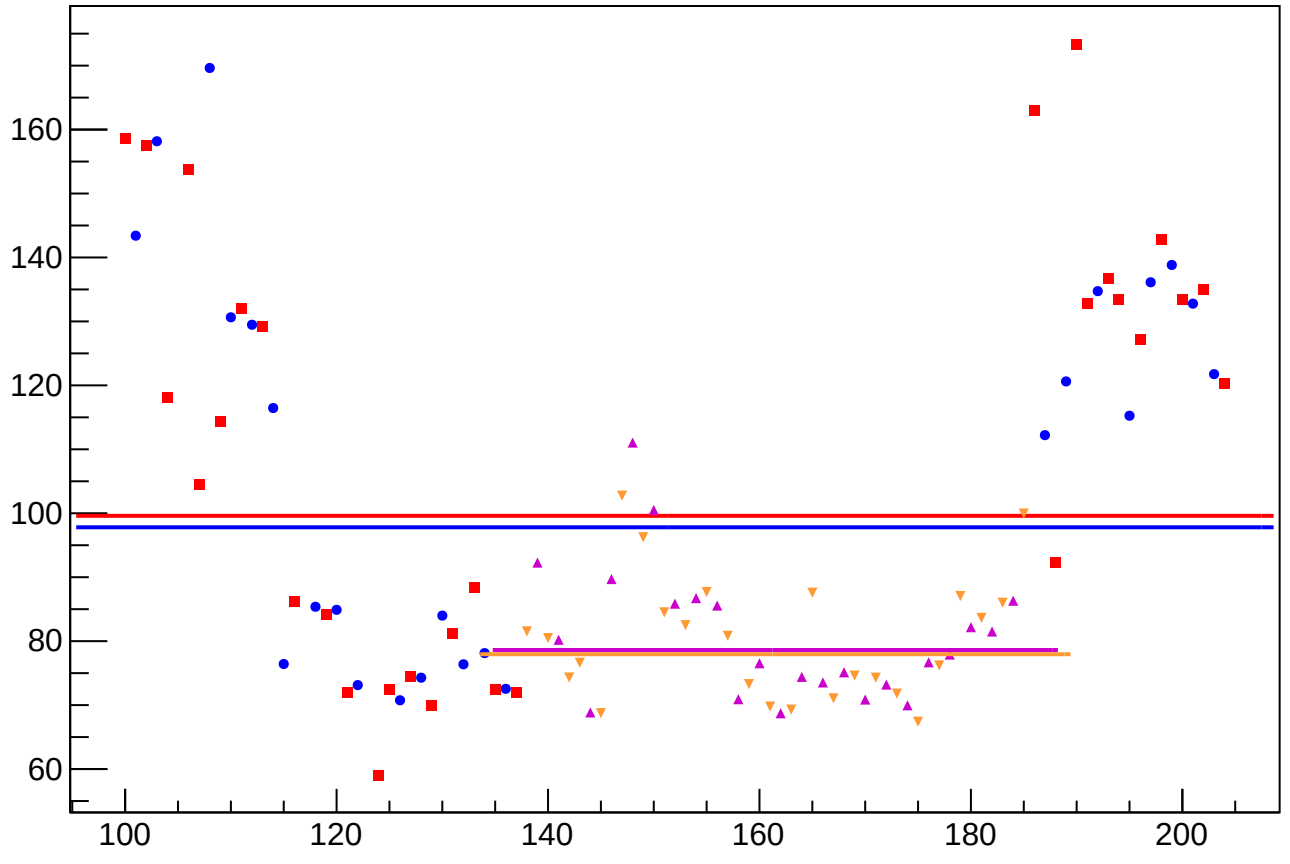
Left: 0.014+/-0.013 χ^2/NDF: 45.0/47

Right: 0.003+/-0.019 χ^2/NDF: 72.1/53

In: 0.000+/-0.015 χ^2/NDF:50.9/46

Out: 0.020+/-0.015 χ^2/NDF:65.7/54

All: 0.011+/-0.011 χ^2/NDF: 117.4/101



Right In: 97.805+/-0.020 χ^2/NDF: 1980843.6/23

Left Out: 77.957+/-0.013 χ^2/NDF:439703.9/24

Right Out: 99.599+/-0.019 χ^2/NDF: 2354767.7/29

Left In: 78.615+/-0.013 χ^2/NDF:497808.4/22

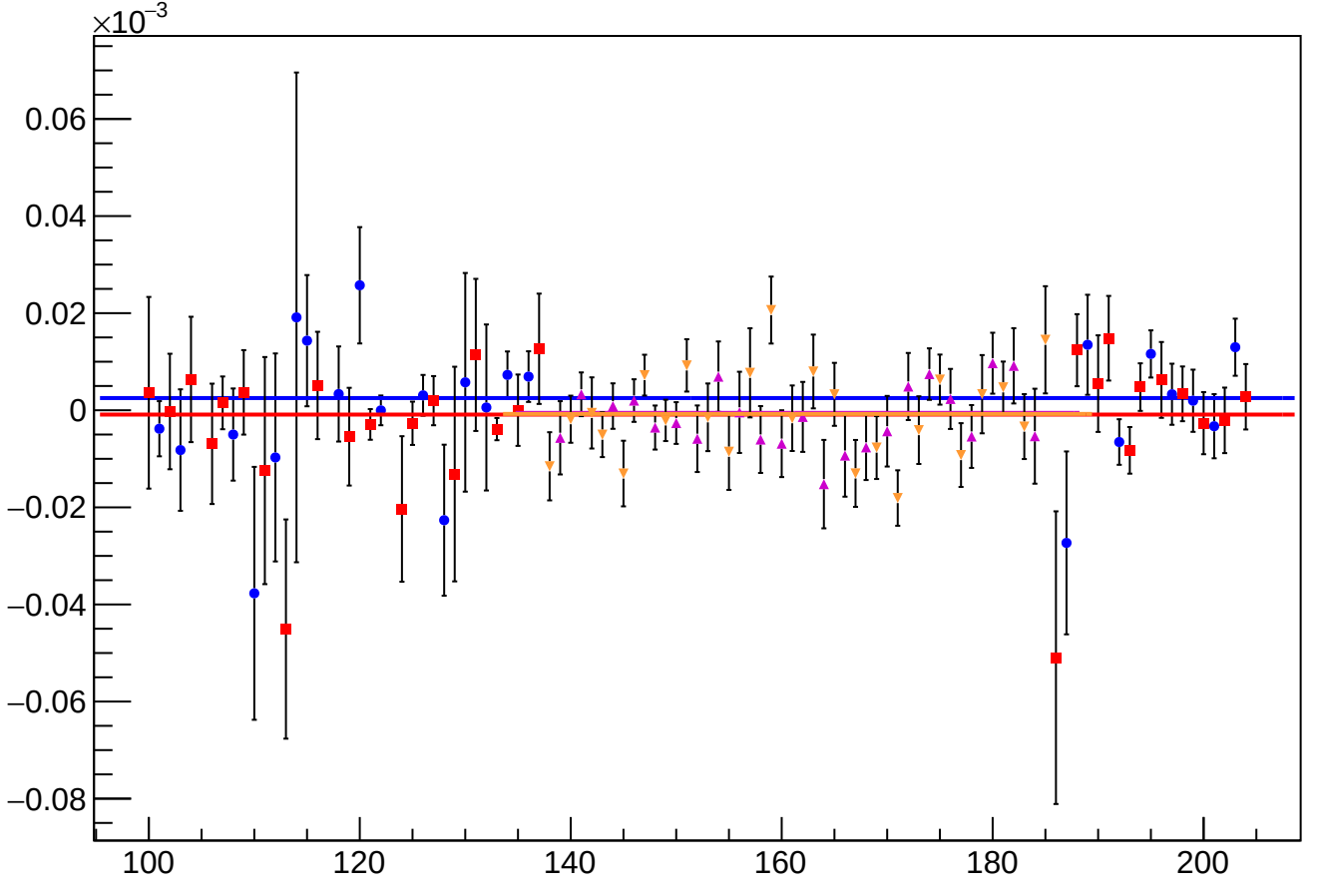
Left: 78.273+/-0.009 χ^2/NDF: 938817.0/47

Right: 98.751+/-0.014 χ^2/NDF: 4339896.1/53

In: 84.435+/-0.011 χ^2/NDF:3126712.4/46

Out: 84.669+/-0.010 χ^2/NDF:3705627.9/54

All: 84.557+/-0.008 χ^2/NDF: 6832579.7/101



Right In: 0.000+/-0.000 χ^2/NDF: 29.8/23

Left Out: -0.000+/-0.000 χ^2/NDF:47.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 27.4/29

Left In: -0.000+/-0.000 χ^2/NDF:18.6/22

Left: -0.000+/-0.000 χ^2/NDF: 66.2/47

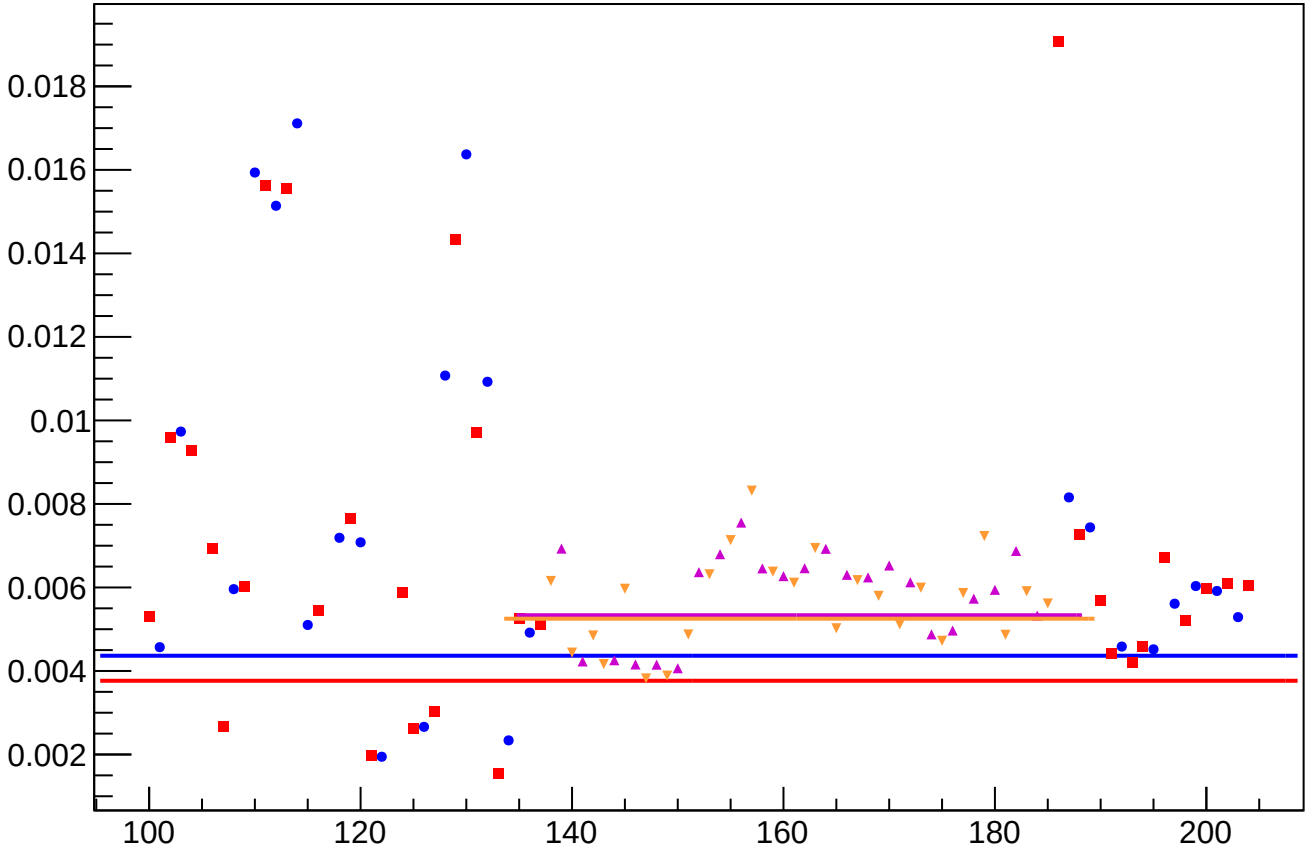
Right: 0.000+/-0.000 χ^2/NDF: 60.8/53

In: 0.000+/-0.000 χ^2/NDF:51.1/46

Out: -0.000+/-0.000 χ^2/NDF:75.0/54

All: -0.000+/-0.000 χ^2/NDF: 127.9/101

asym_sam_26_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 5555230.1/23

Left Out: 0.005+/-0.000 χ^2/NDF:1511867.7/24

Right Out: 0.004+/-0.000 χ^2/NDF: 8447287.9/29

Left In: 0.005+/-0.000 χ^2/NDF:1508187.9/22

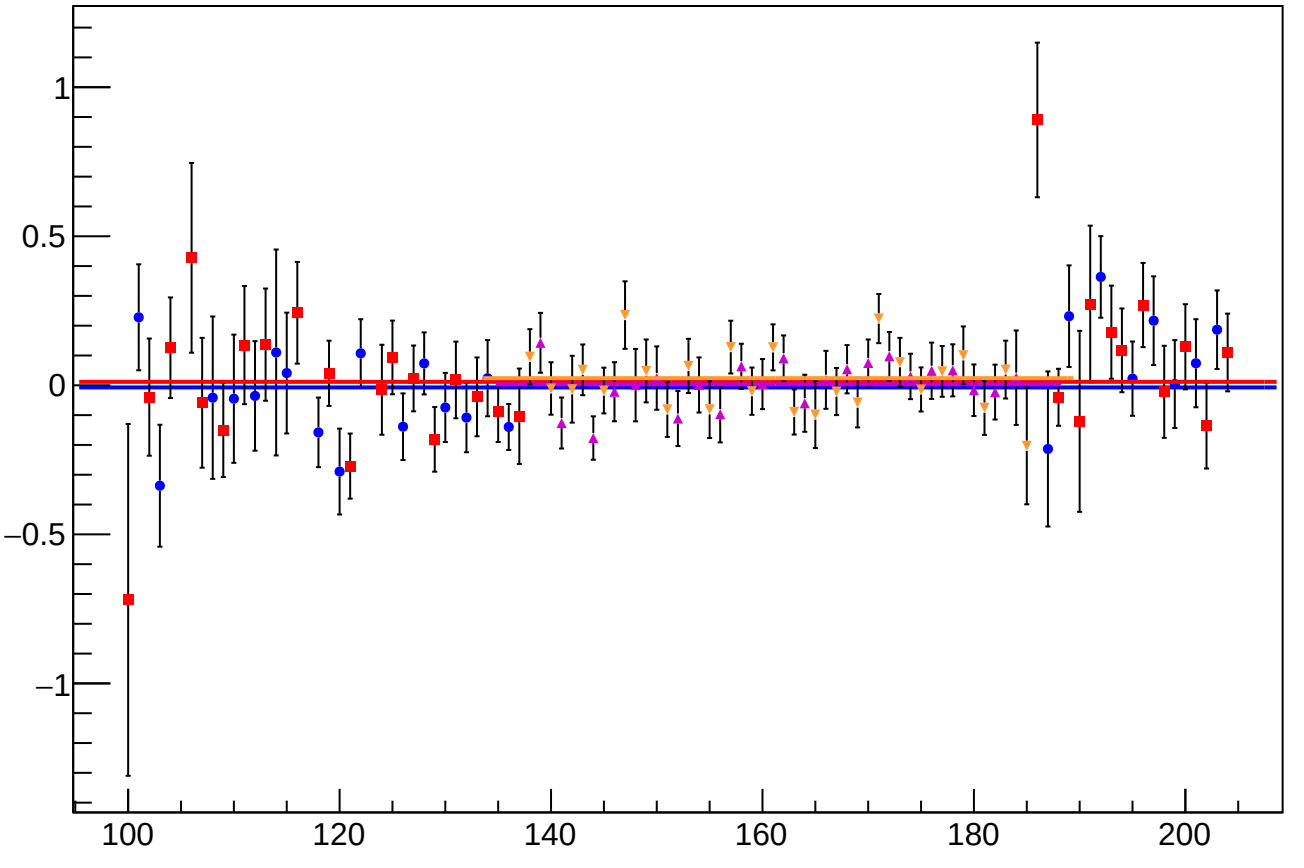
Left: 0.005+/-0.000 χ^2/NDF: 3024442.1/47

Right: 0.004+/-0.000 χ^2/NDF: 14225500.1/53

In: 0.005+/-0.000 χ^2/NDF:7596387.5/46

Out: 0.004+/-0.000 χ^2/NDF:11521466.7/54

All: 0.005+/-0.000 χ^2/NDF: 19340334.8/101



Right In: -0.007+/-0.028 χ^2/NDF: 31.9/23

Left Out: 0.024+/-0.018 χ^2/NDF:25.5/24

Right Out: 0.012+/-0.027 χ^2/NDF: 40.0/29

Left In: 0.004+/-0.019 χ^2/NDF:18.9/22

Left: 0.014+/-0.013 χ^2/NDF: 45.0/47

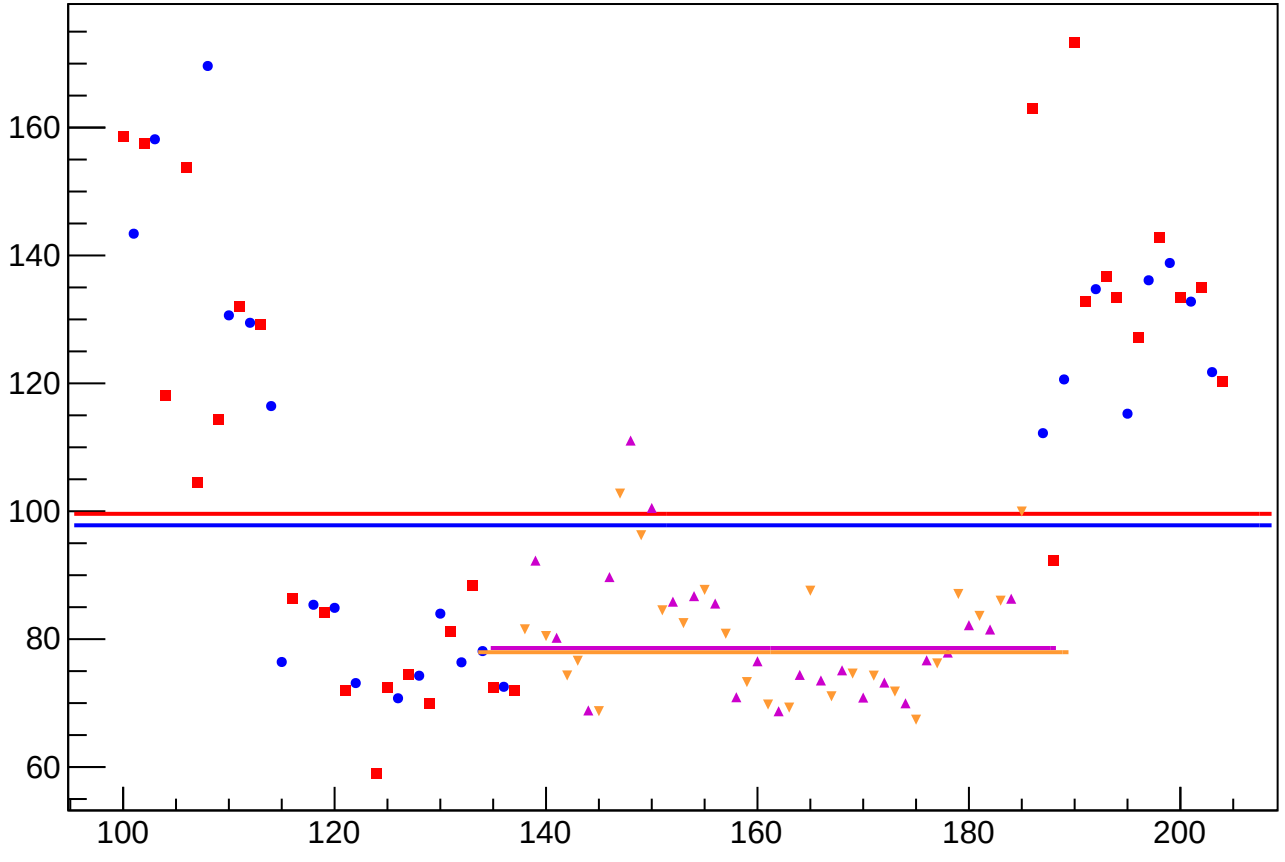
Right: 0.003+/-0.019 χ^2/NDF: 72.1/53

In: 0.000+/-0.015 χ^2/NDF:50.9/46

Out: 0.020+/-0.015 χ^2/NDF:65.7/54

All: 0.011+/-0.011 χ^2/NDF: 117.4/101

asym_sam_26_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 97.803+/-0.020 χ^2/NDF: 1980942.9/23

Left Out: 77.957+/-0.013 χ^2/NDF:439744.9/24

Right Out: 99.597+/-0.019 χ^2/NDF: 2354862.9/29

Left In: 78.614+/-0.013 χ^2/NDF:497846.3/22

Left: 78.273+/-0.009 χ^2/NDF: 938894.7/47

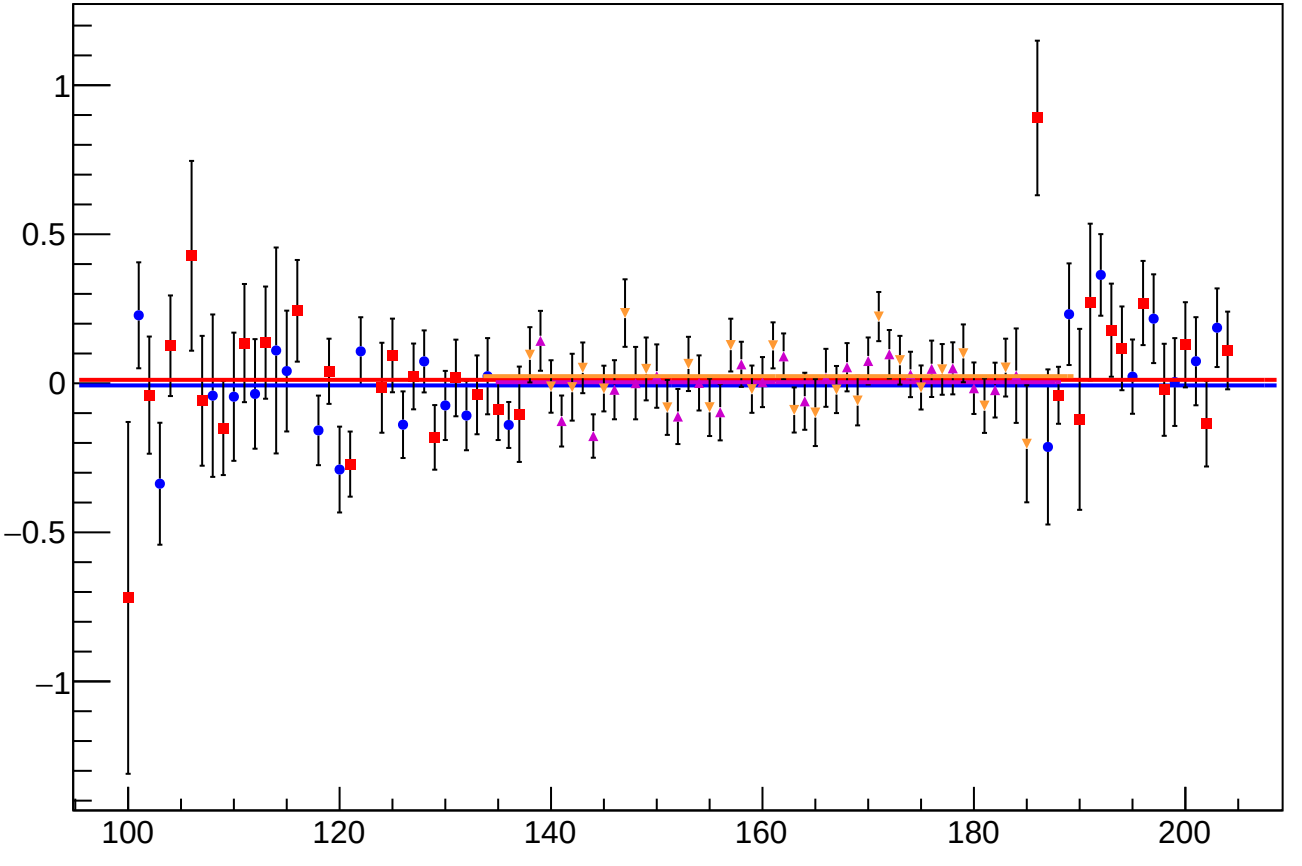
Right: 98.749+/-0.014 χ^2/NDF: 4340092.5/53

In: 84.433+/-0.011 χ^2/NDF:3126765.4/46

Out: 84.668+/-0.010 χ^2/NDF:3705661.7/54

All: 84.556+/-0.008 χ^2/NDF: 6832667.1/101

asym_sam_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.007+/-0.028 χ^2/NDF: 31.9/23

Left Out: 0.024+/-0.018 χ^2/NDF:25.5/24

Right Out: 0.012+/-0.027 χ^2/NDF: 40.0/29

Left In: 0.004+/-0.019 χ^2/NDF:18.9/22

Left: 0.014+/-0.013 χ^2/NDF: 45.0/47

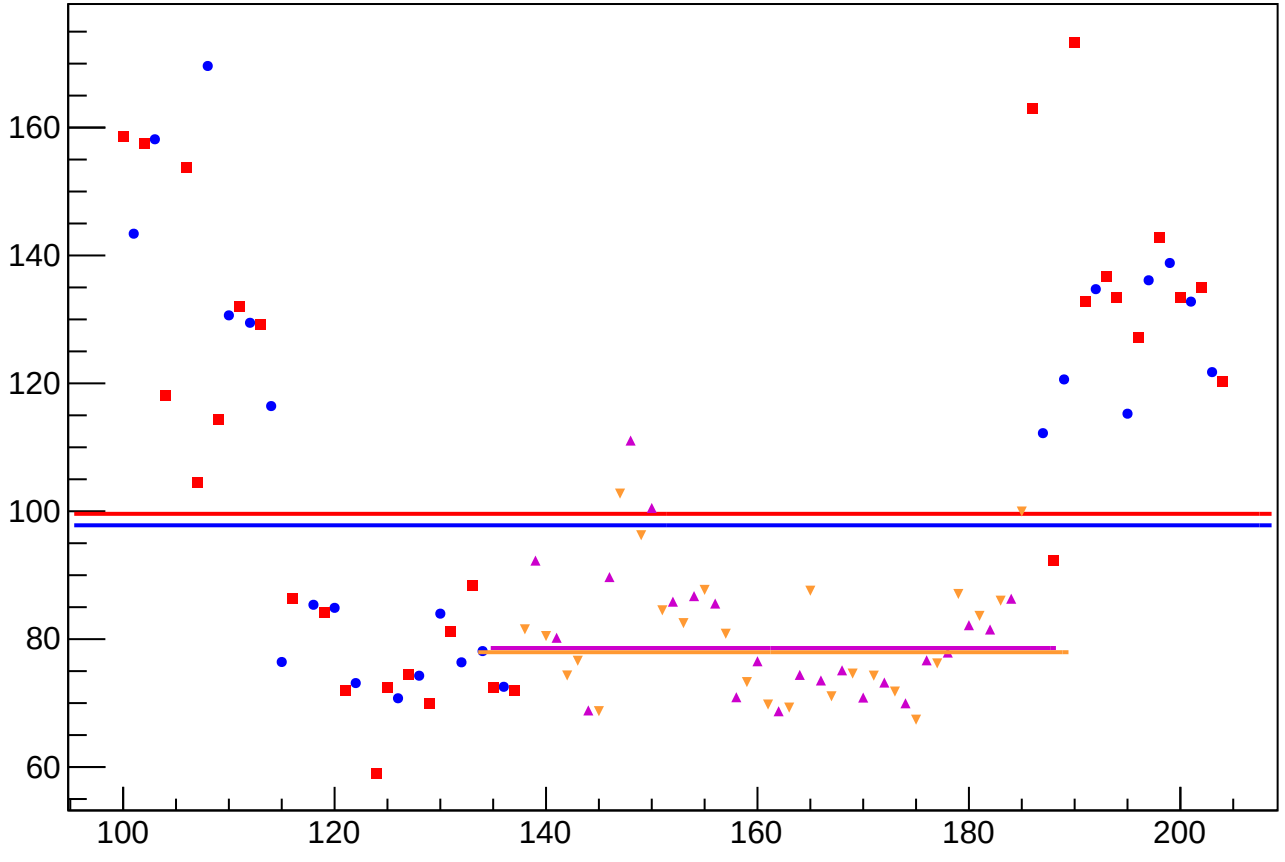
Right: 0.003+/-0.019 χ^2/NDF: 72.1/53

In: 0.000+/-0.015 χ^2/NDF:50.9/46

Out: 0.020+/-0.015 χ^2/NDF:65.7/54

All: 0.011+/-0.011 χ^2/NDF: 117.4/101

asym_sam_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 97.803+/-0.020 χ^2/NDF: 1980942.9/23

Left Out: 77.957+/-0.013 χ^2/NDF:439744.9/24

Right Out: 99.597+/-0.019 χ^2/NDF: 2354862.9/29

Left In: 78.614+/-0.013 χ^2/NDF:497846.3/22

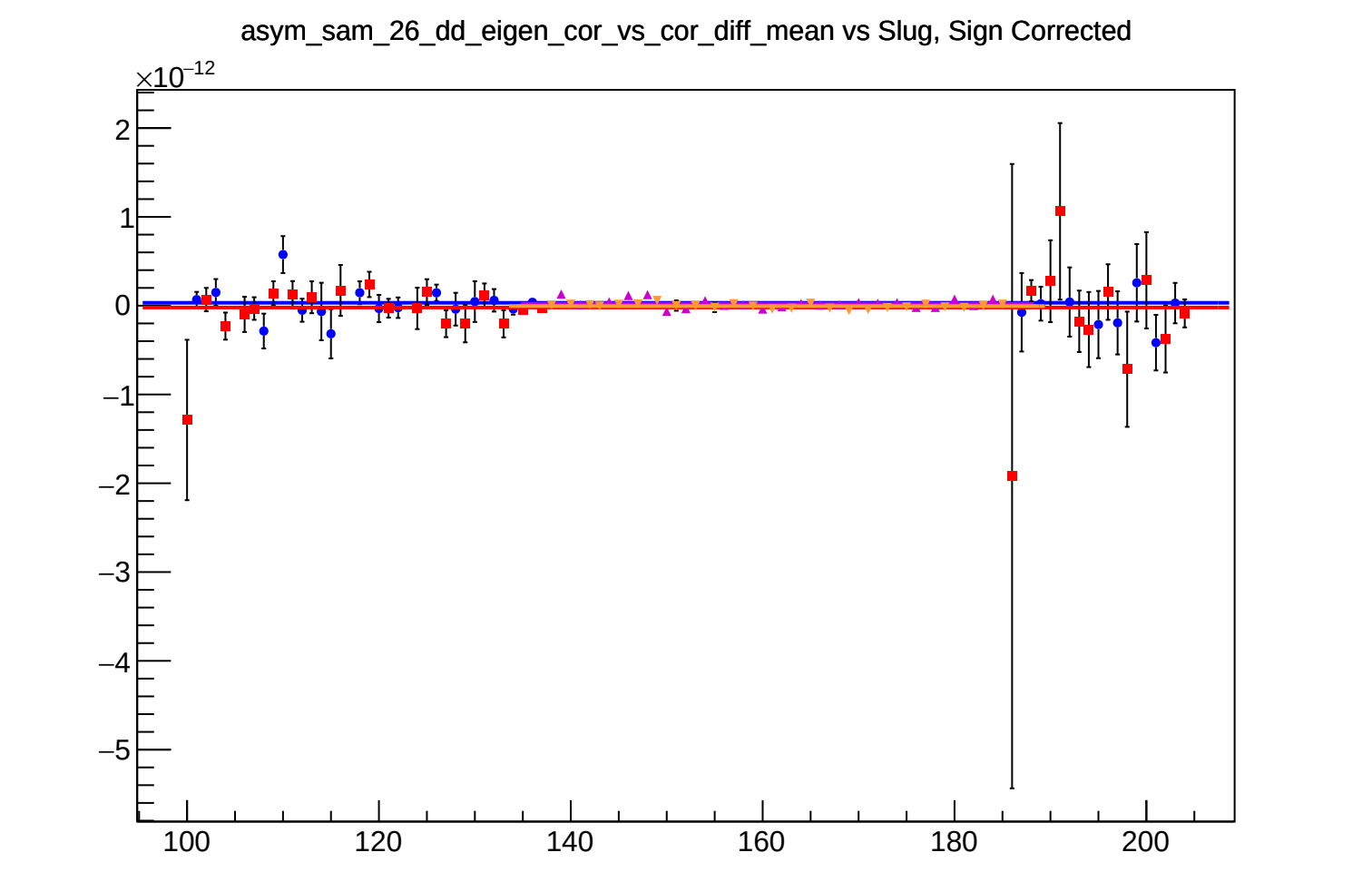
Left: 78.273+/-0.009 χ^2/NDF: 938894.7/47

Right: 98.749+/-0.014 χ^2/NDF: 4340092.5/53

In: 84.433+/-0.011 χ^2/NDF:3126765.4/46

Out: 84.668+/-0.010 χ^2/NDF:3705661.7/54

All: 84.556+/-0.008 χ^2/NDF: 6832667.1/101



Right In: 0.000+/-0.000 χ^2/NDF: 19.6/23

Left Out: -0.000+/-0.000 χ^2/NDF:13.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 25.6/29

Left In: 0.000+/-0.000 χ^2/NDF:40.1/22

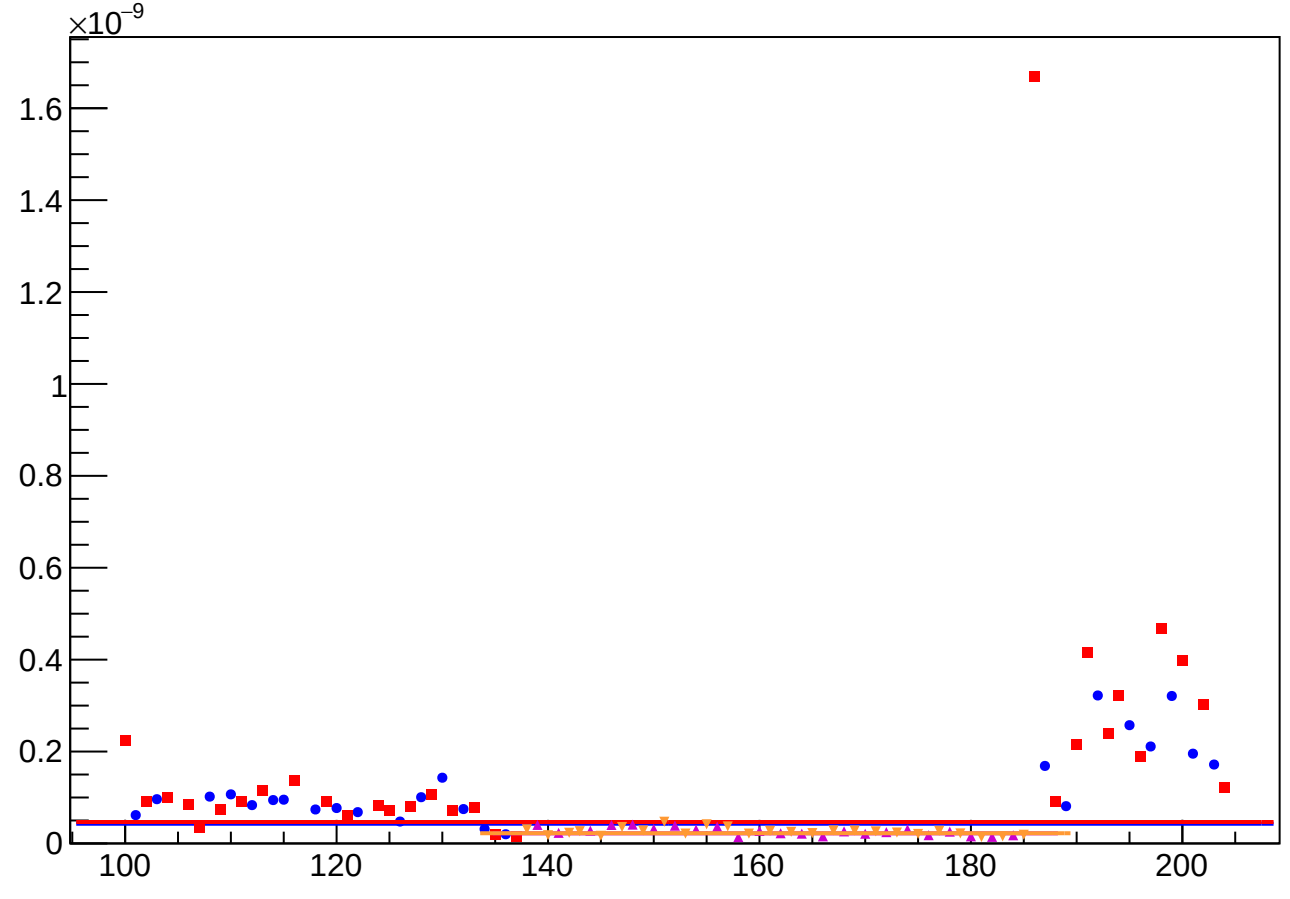
Left: 0.000+/-0.000 χ^2/NDF: 61.2/47

Right: 0.000+/-0.000 χ^2/NDF: 48.5/53

In: 0.000+/-0.000 χ^2/NDF:60.0/46

Out: -0.000+/-0.000 χ^2/NDF:39.2/54

All: 0.000+/-0.000 χ^2/NDF: 109.7/101



Right In: 0.000+/-0.000 χ^2/NDF: 7863587.2/23

Left Out: 0.000+/-0.000 χ^2/NDF:2302790.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10580433.9/29

Left In: 0.000+/-0.000 χ^2/NDF:2802318.8/22

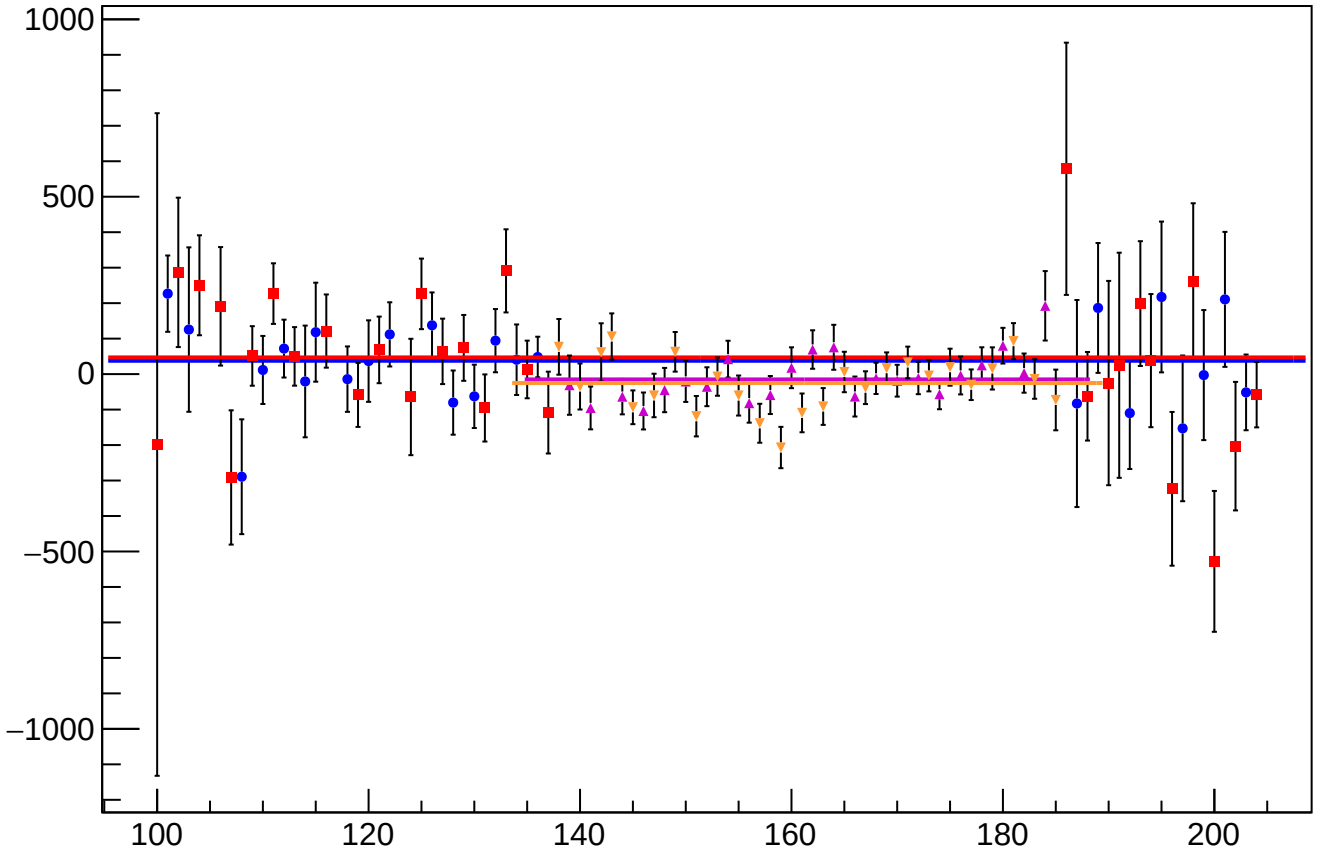
Left: 0.000+/-0.000 χ^2/NDF: 5106315.5/47

Right: 0.000+/-0.000 χ^2/NDF: 18476892.9/53

In: 0.000+/-0.000 χ^2/NDF:12601732.1/46

Out: 0.000+/-0.000 χ^2/NDF:15294232.5/54

All: 0.000+/-0.000 χ^2/NDF: 27897184.2/101



Right In: 37.695+/-22.476 χ^2/NDF: 18.5/23

Left Out: -24.988+/-10.888 χ^2/NDF:43.1/24

Right Out: 47.017+/-22.097 χ^2/NDF: 45.5/29

Left In: -14.994+/-11.218 χ^2/NDF:24.7/22

Left: -20.140+/-7.813 χ^2/NDF: 68.2/47

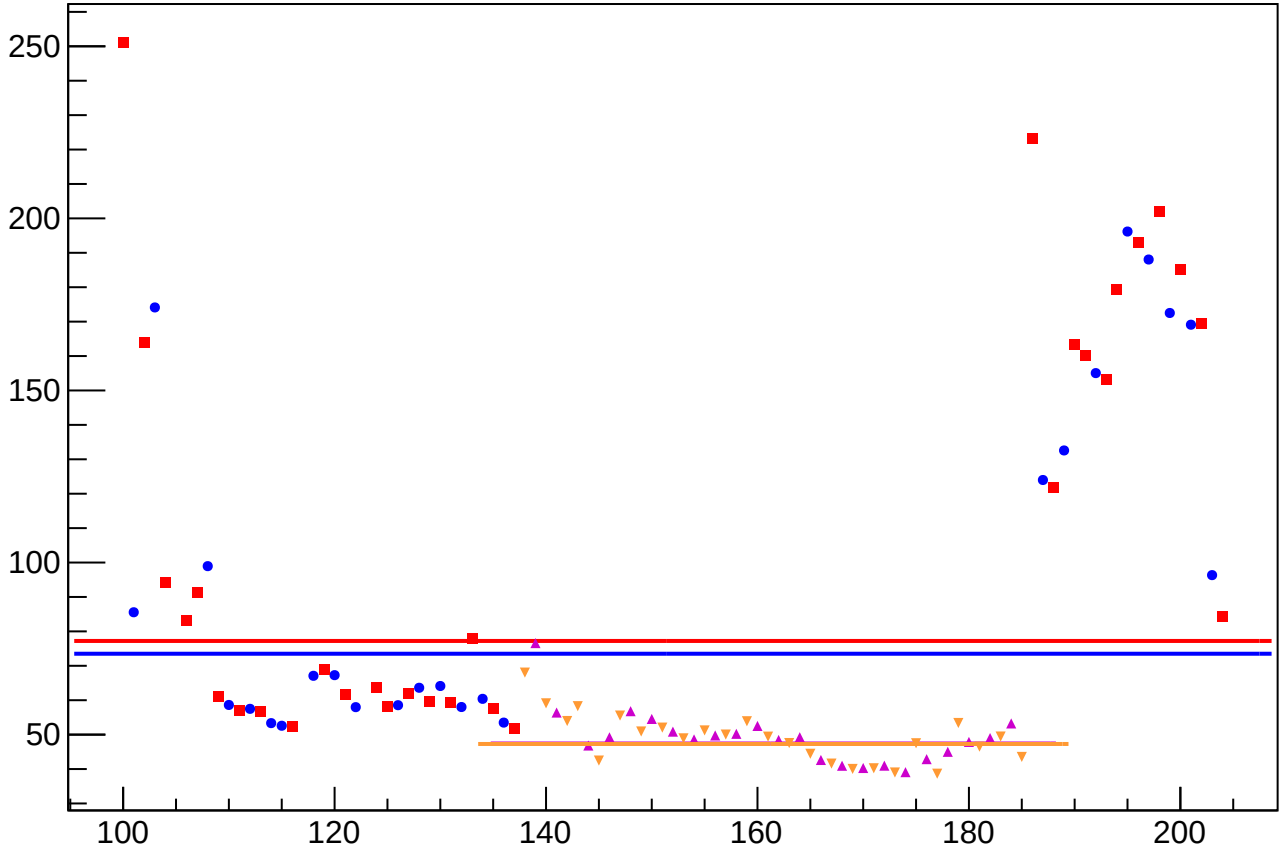
Right: 42.435+/-15.757 χ^2/NDF: 64.0/53

In: -4.486+/-10.037 χ^2/NDF:47.6/46

Out: -10.922+/-9.766 χ^2/NDF:97.1/54

All: -7.792+/-7.000 χ^2/NDF: 144.9/101

reg_asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 73.503+/-0.016 χ^2/NDF: 4439224.3/23

Left Out: 47.284+/-0.008 χ^2/NDF:717249.8/24

Right Out: 77.218+/-0.016 χ^2/NDF: 5658208.0/29

Left In: 47.425+/-0.008 χ^2/NDF:655736.9/22

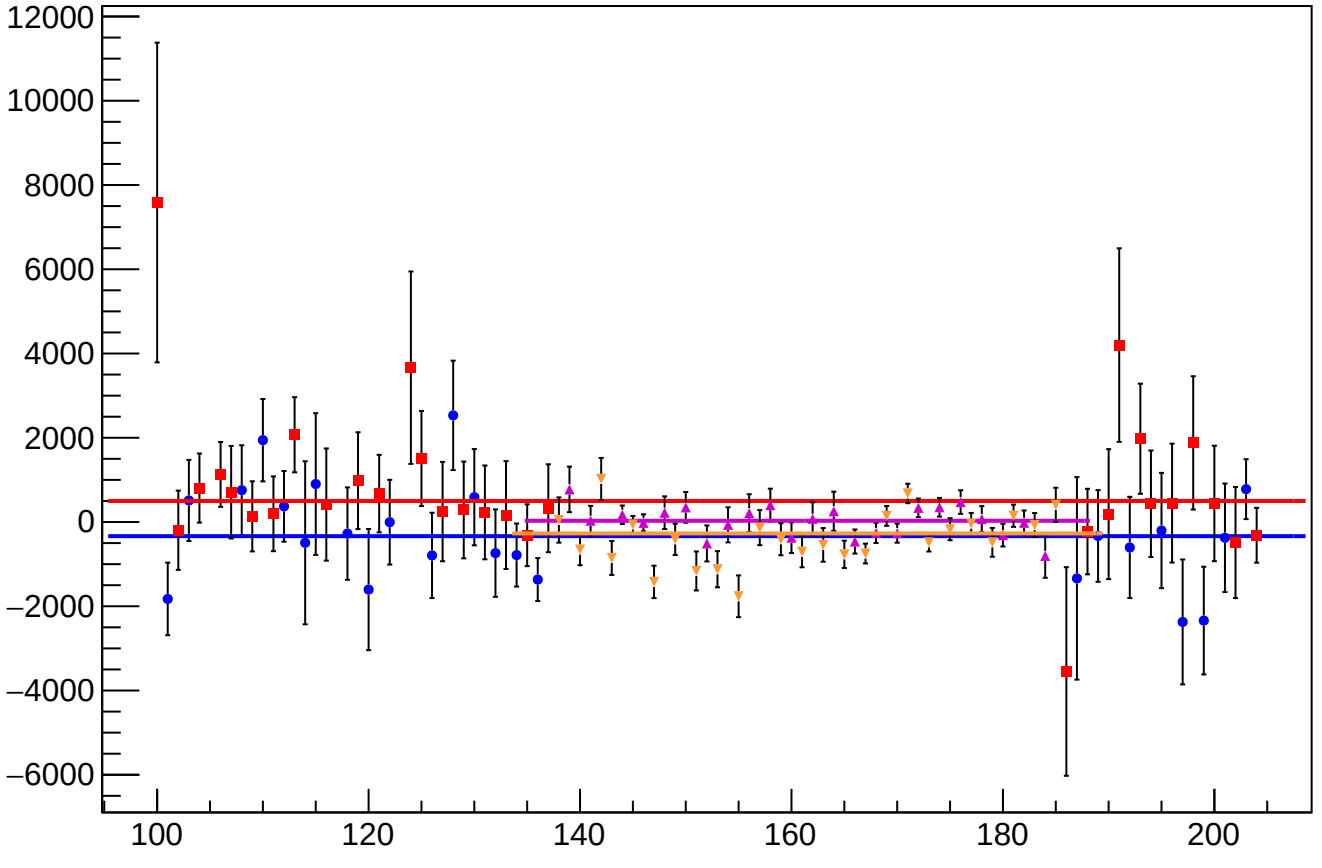
Left: 47.352+/-0.006 χ^2/NDF: 1373150.4/47

Right: 75.392+/-0.011 χ^2/NDF: 10125218.8/53

In: 52.626+/-0.007 χ^2/NDF:7250387.0/46

Out: 53.131+/-0.007 χ^2/NDF:9328775.0/54

All: 52.885+/-0.005 χ^2/NDF: 16581766.6/101



Right In: -335.933+/-206.400 χ^2/NDF: 29.8/23

Left Out: -271.031+/-62.346 χ^2/NDF:73.9/24

Right Out: 498.869+/-197.494 χ^2/NDF: 22.7/29

Left In: 29.200+/-62.671 χ^2/NDF:24.4/22

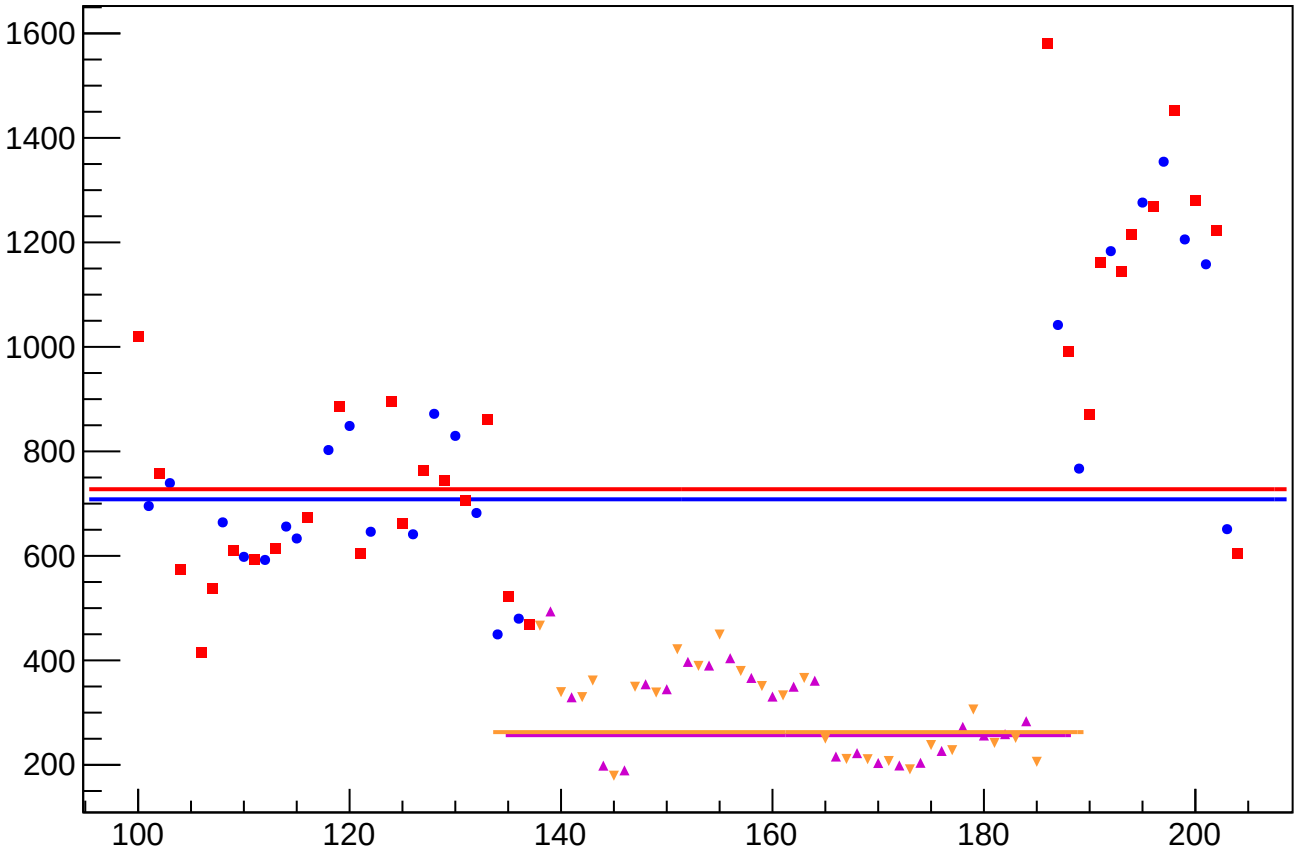
Left: -121.695+/-44.200 χ^2/NDF: 109.8/47

Right: 99.867+/-142.694 χ^2/NDF: 61.0/53

In: -1.622+/-59.967 χ^2/NDF:57.0/46

Out: -201.259+/-59.454 χ^2/NDF:110.4/54

All: -102.298+/-42.221 χ^2/NDF: 173.0/101



Right In: 708.257+/-0.146 χ^2/NDF: 2460736.4/23

Left Out: 262.679+/-0.044 χ^2/NDF:2893255.4/24

Right Out: 727.594+/-0.140 χ^2/NDF: 3344649.2/29

Left In: 256.842+/-0.044 χ^2/NDF:2639200.9/22

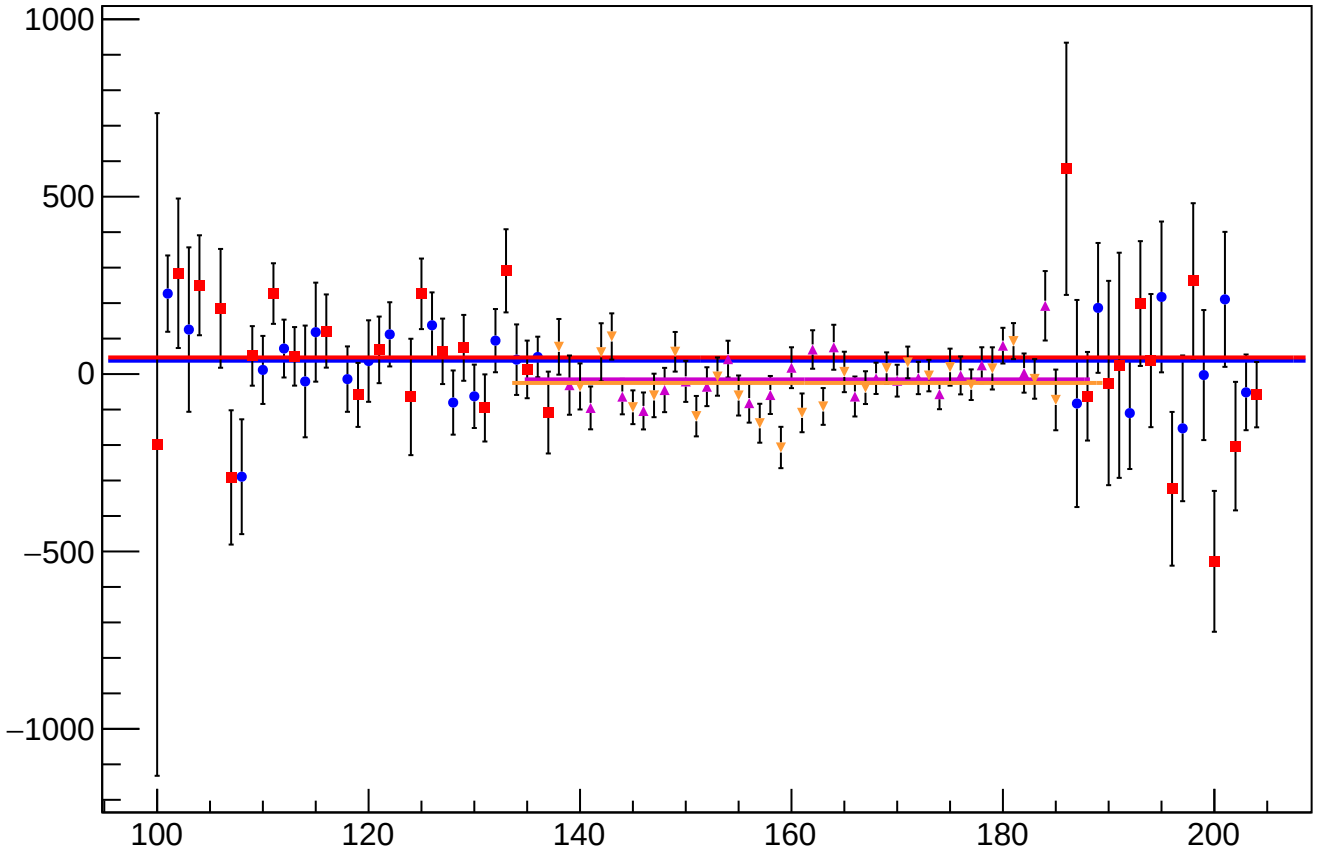
Left: 259.776+/-0.031 χ^2/NDF: 5541174.7/47

Right: 718.352+/-0.101 χ^2/NDF: 5814549.9/53

In: 294.947+/-0.042 χ^2/NDF:13859095.3/46

Out: 304.812+/-0.042 χ^2/NDF:16316818.4/54

All: 299.922+/-0.030 χ^2/NDF: 30203207.0/10



Right In: 37.689+/-22.476 χ^2/NDF: 18.5/23

Left Out: -24.985+/-10.888 χ^2/NDF:43.1/24

Right Out: 46.867+/-22.098 χ^2/NDF: 45.4/29

Left In: -14.992+/-11.218 χ^2/NDF:24.7/22

Left: -20.138+/-7.813 χ^2/NDF: 68.2/47

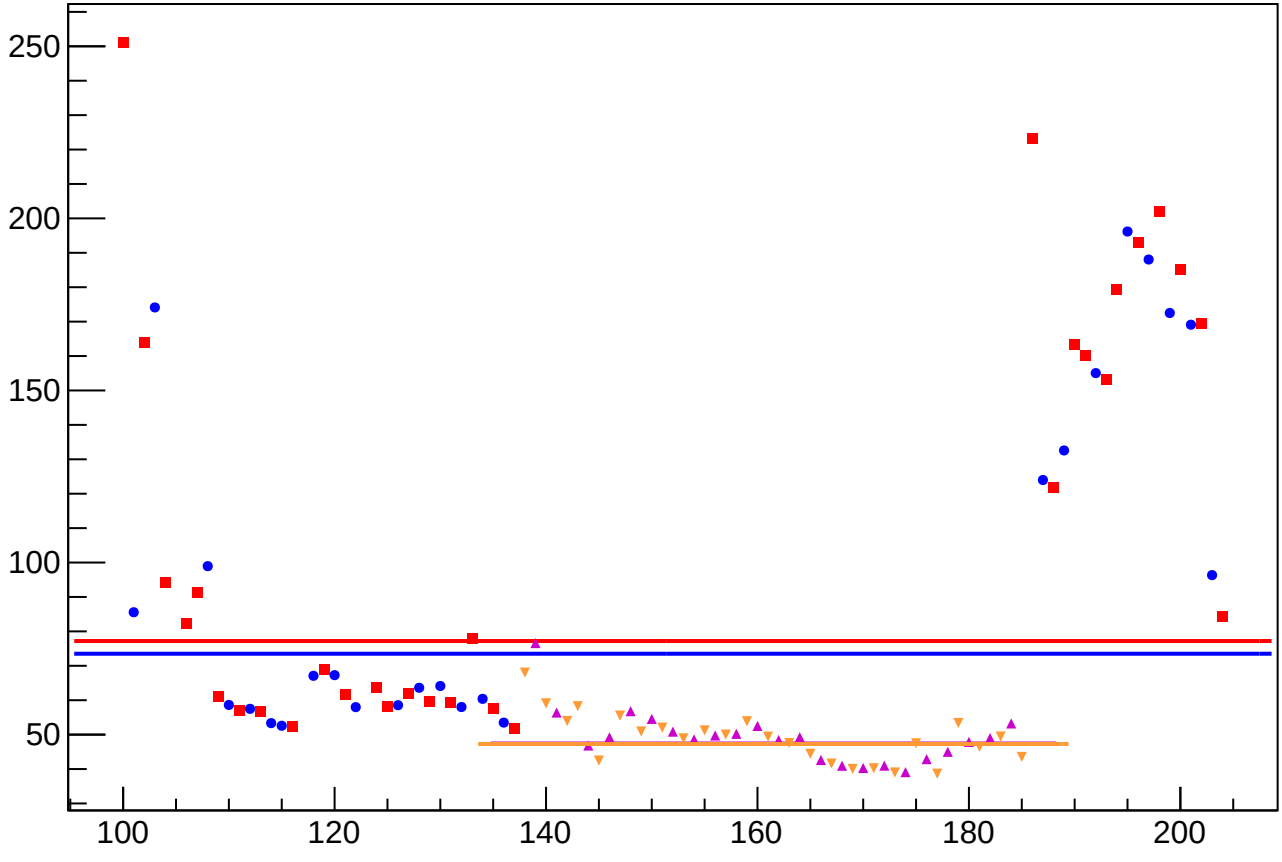
Right: 42.356+/-15.758 χ^2/NDF: 63.9/53

In: -4.486+/-10.037 χ^2/NDF:47.6/46

Out: -10.950+/-9.767 χ^2/NDF:97.0/54

All: -7.806+/-7.000 χ^2/NDF: 144.8/101

cor_asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 73.503+/-0.016 χ^2/NDF: 4439226.7/23

Left Out: 47.284+/-0.008 χ^2/NDF:717249.7/24

Right Out: 77.200+/-0.016 χ^2/NDF: 5657574.8/29

Left In: 47.425+/-0.008 χ^2/NDF:655736.9/22

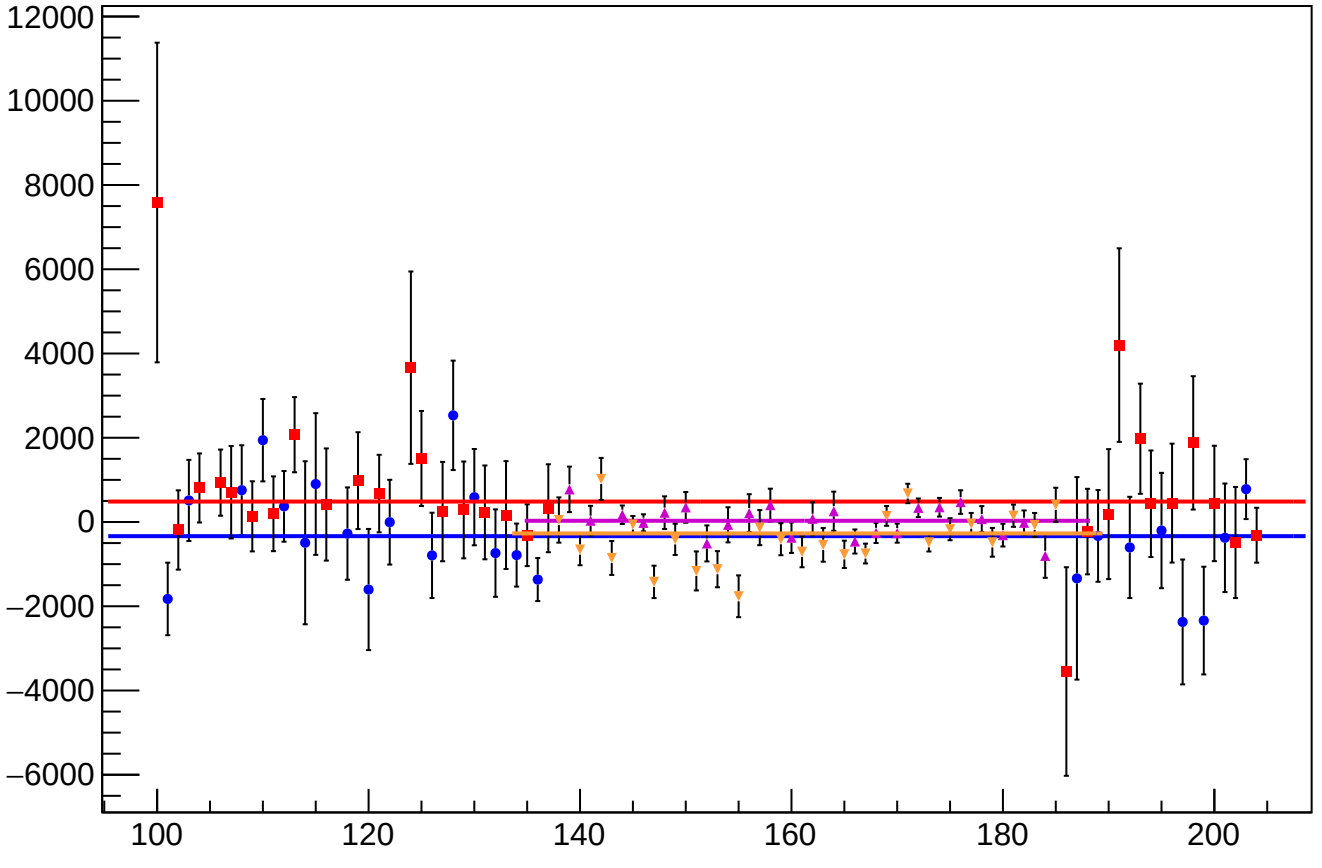
Left: 47.352+/-0.006 χ^2/NDF: 1373150.3/47

Right: 75.383+/-0.011 χ^2/NDF: 10124311.9/53

In: 52.626+/-0.007 χ^2/NDF:7250388.8/46

Out: 53.127+/-0.007 χ^2/NDF:9324272.0/54

All: 52.883+/-0.005 χ^2/NDF: 16577223.7/101



Right In: -335.931+/-206.401 χ^2/NDF: 29.8/23

Left Out: -271.027+/-62.346 χ^2/NDF:73.9/24

Right Out: 485.285+/-197.757 χ^2/NDF: 22.3/29

Left In: 29.202+/-62.671 χ^2/NDF:24.4/22

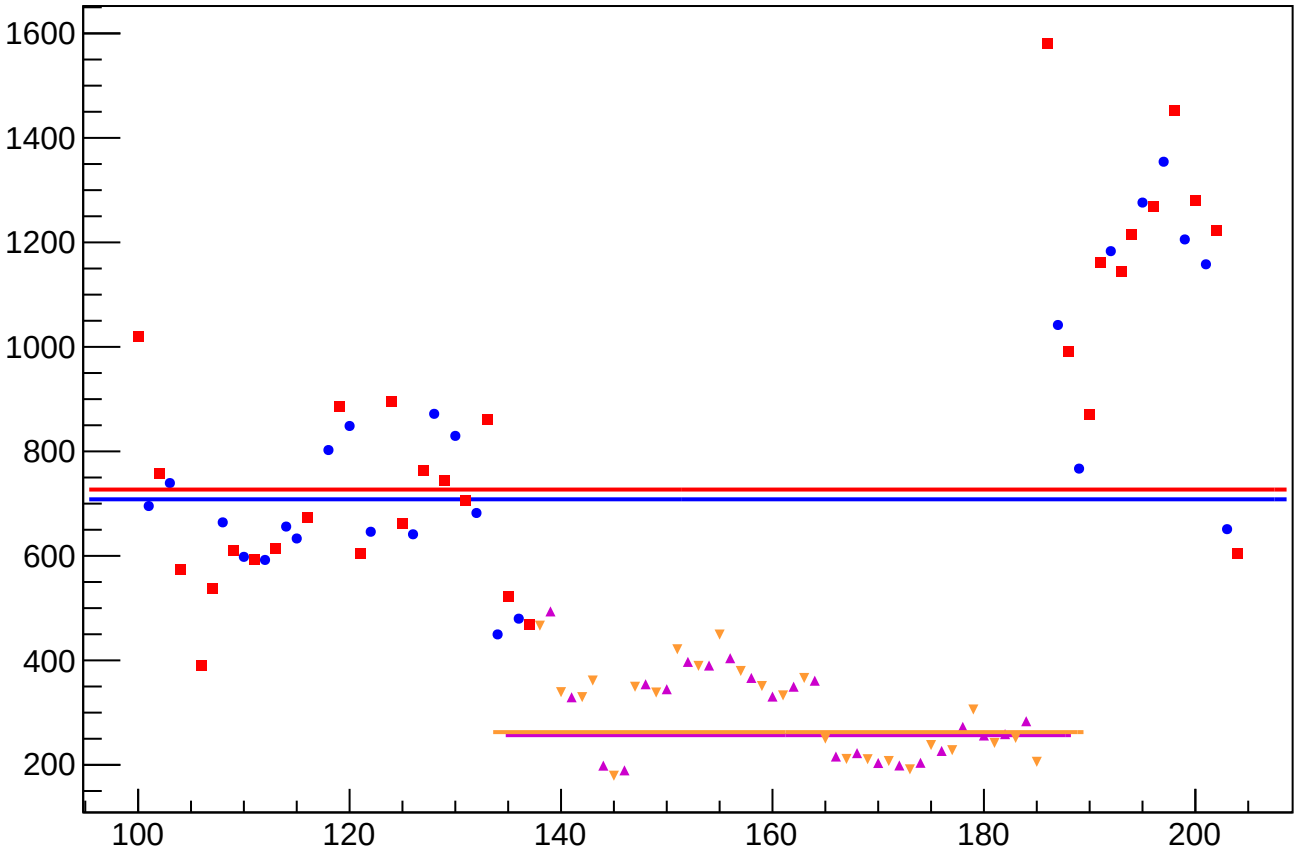
Left: -121.692+/-44.200 χ^2/NDF: 109.8/47

Right: 92.232+/-142.794 χ^2/NDF: 60.3/53

In: -1.619+/-59.967 χ^2/NDF:57.0/46

Out: -202.651+/-59.461 χ^2/NDF:109.5/54

All: -102.988+/-42.223 χ^2/NDF: 172.2/101



Right In: 708.260+/-0.146 χ^2/NDF: 2460746.0/23

Left Out: 262.679+/-0.044 χ^2/NDF:2893257.1/24

Right Out: 726.947+/-0.140 χ^2/NDF: 3381133.9/29

Left In: 256.842+/-0.044 χ^2/NDF:2639196.2/22

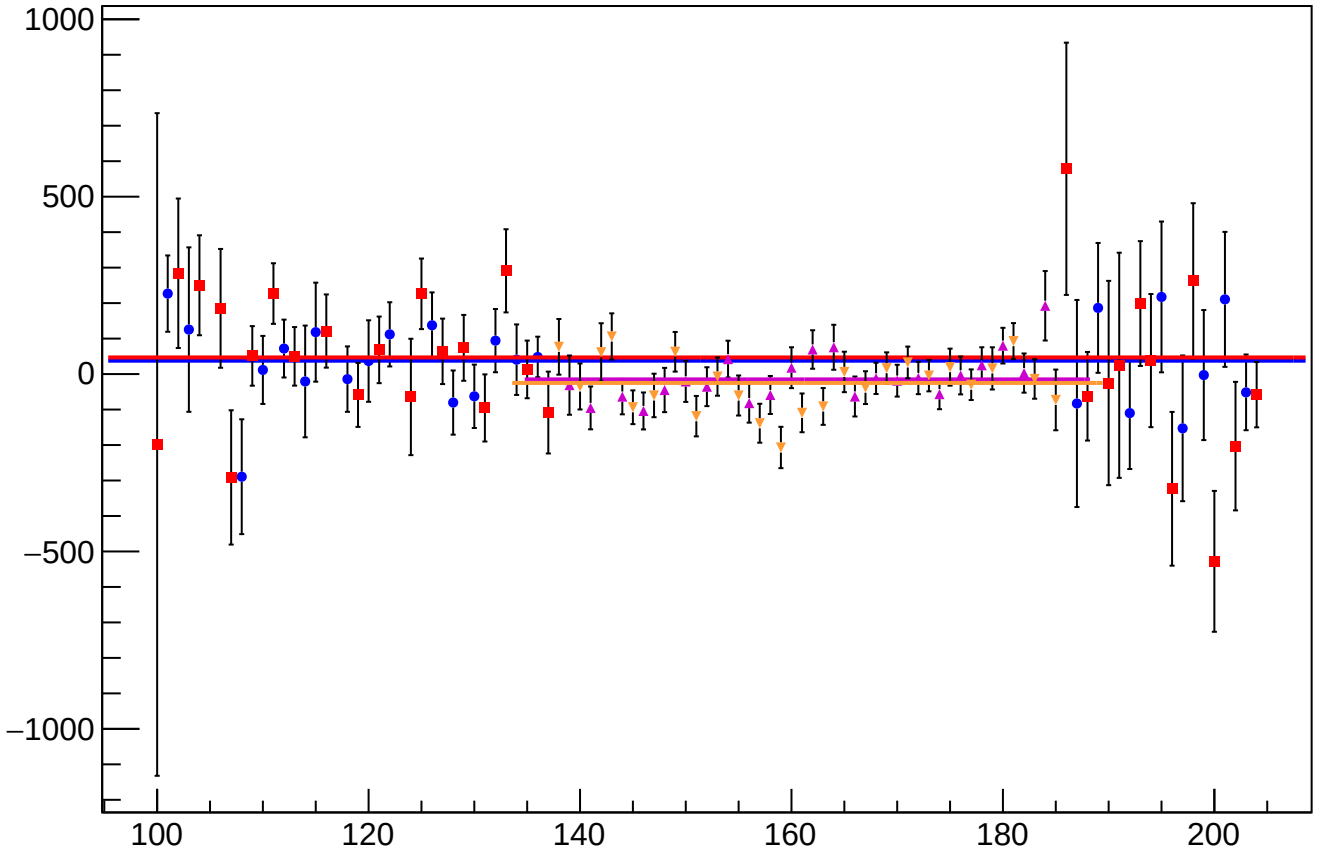
Left: 259.776+/-0.031 χ^2/NDF: 5541171.4/47

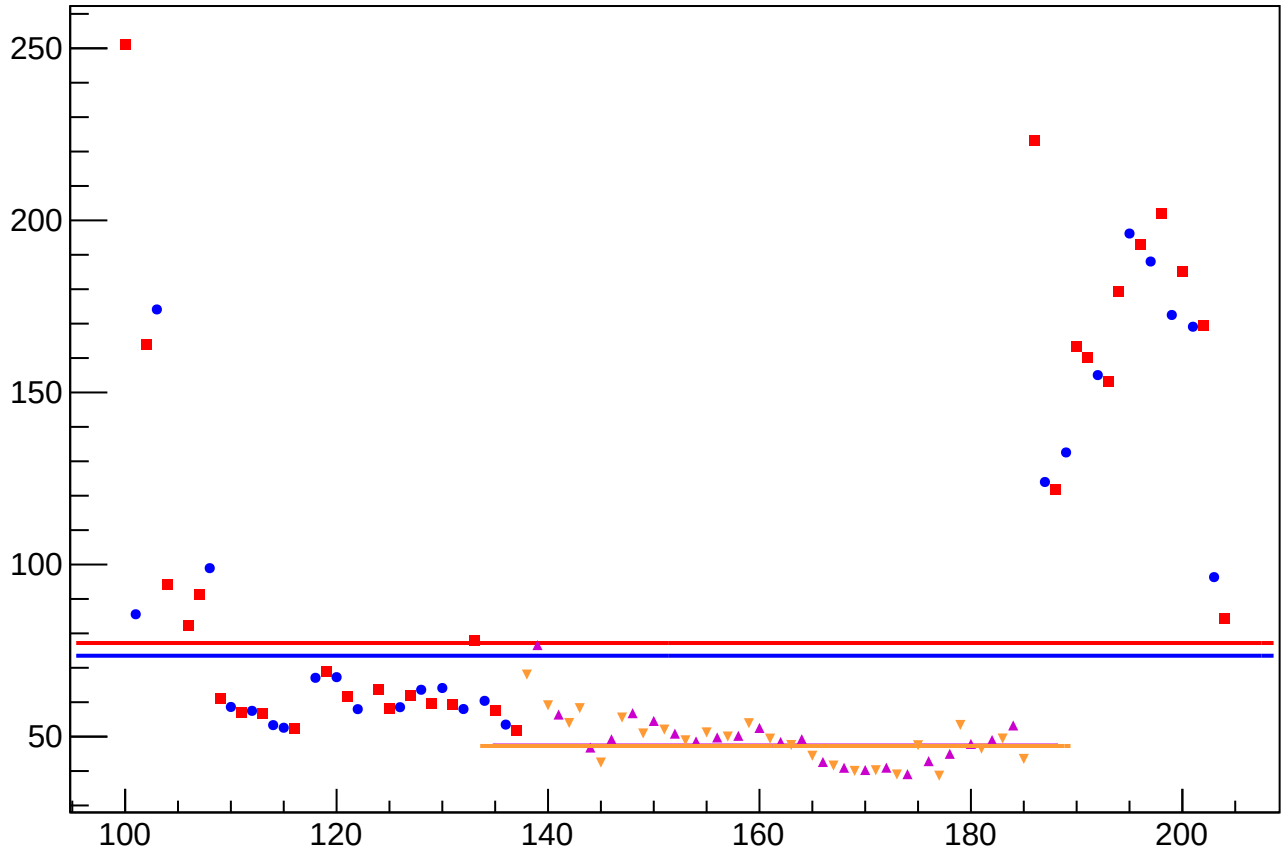
Right: 718.003+/-0.101 χ^2/NDF: 5850427.3/53

In: 294.947+/-0.042 χ^2/NDF:13859140.5/46

Out: 304.651+/-0.042 χ^2/NDF:16300920.1/54

All: 299.841+/-0.030 χ^2/NDF: 30186469.0/10


eigen_cor_asym_sam_37_dd_mean vs Slug, Sign Corrected
1000
500
0
−500
−1000
100
120
140
160
180
200
Right In: 37.689+/-22.476 χ²/NDF: 18.5/23
Left Out: -24.985+/-10.888 χ²/NDF:43.1/24
Right Out: 46.867+/-22.098 χ²/NDF: 45.4/29
Left In: -14.992+/-11.218 χ²/NDF:24.7/22
Left: -20.138+/-7.813 χ²/NDF: 68.2/47
Right: 42.356+/-15.758 χ²/NDF: 63.9/53
In: -4.486+/-10.037 χ²/NDF:47.6/46
Out: -10.950+/-9.767 χ²/NDF:97.0/54
All: -7.806+/-7.000 χ²/NDF: 144.8/101



Right In: 73.503+/-0.016 χ^2/NDF: 4439226.7/23

Left Out: 47.284+/-0.008 χ^2/NDF:717249.7/24

Right Out: 77.200+/-0.016 χ^2/NDF: 5657574.8/29

Left In: 47.425+/-0.008 χ^2/NDF:655736.9/22

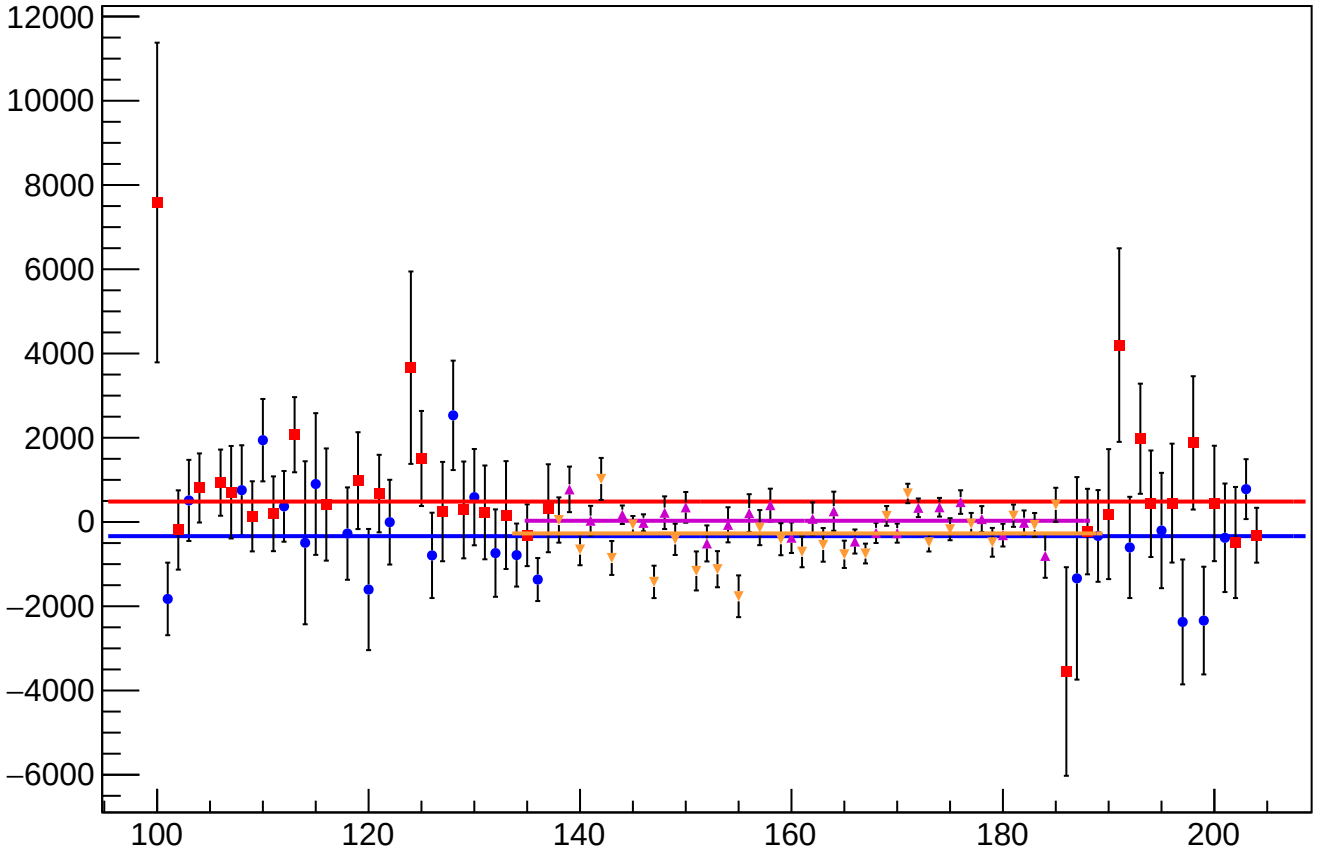
Left: 47.352+/-0.006 χ^2/NDF: 1373150.3/47

Right: 75.383+/-0.011 χ^2/NDF: 10124311.9/53

In: 52.626+/-0.007 χ^2/NDF:7250388.8/46

Out: 53.127+/-0.007 χ^2/NDF:9324272.0/54

All: 52.883+/-0.005 χ^2/NDF: 16577223.7/101



Right In: -335.931+/-206.401 χ^2/NDF: 29.8/23

Left Out: -271.027+/-62.346 χ^2/NDF:73.9/24

Right Out: 485.285+/-197.757 χ^2/NDF: 22.3/29

Left In: 29.202+/-62.671 χ^2/NDF:24.4/22

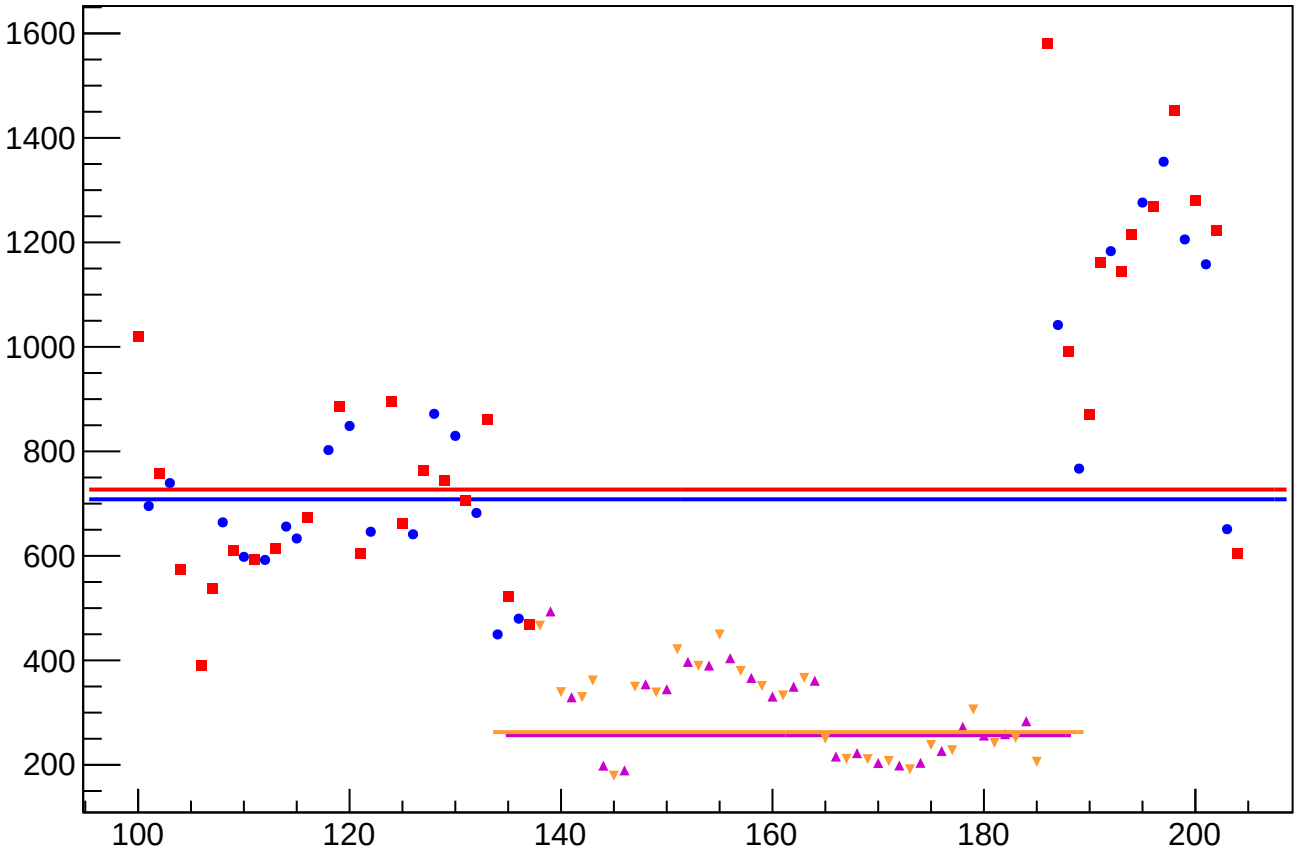
Left: -121.692+/-44.200 χ^2/NDF: 109.8/47

Right: 92.232+/-142.794 χ^2/NDF: 60.3/53

In: -1.619+/-59.967 χ^2/NDF:57.0/46

Out: -202.651+/-59.461 χ^2/NDF:109.5/54

All: -102.988+/-42.223 χ^2/NDF: 172.2/101



Right In: 708.260+/-0.146 χ^2/NDF: 2460746.0/23

Left Out: 262.679+/-0.044 χ^2/NDF:2893257.1/24

Right Out: 726.947+/-0.140 χ^2/NDF: 3381133.9/29

Left In: 256.842+/-0.044 χ^2/NDF:2639196.2/22

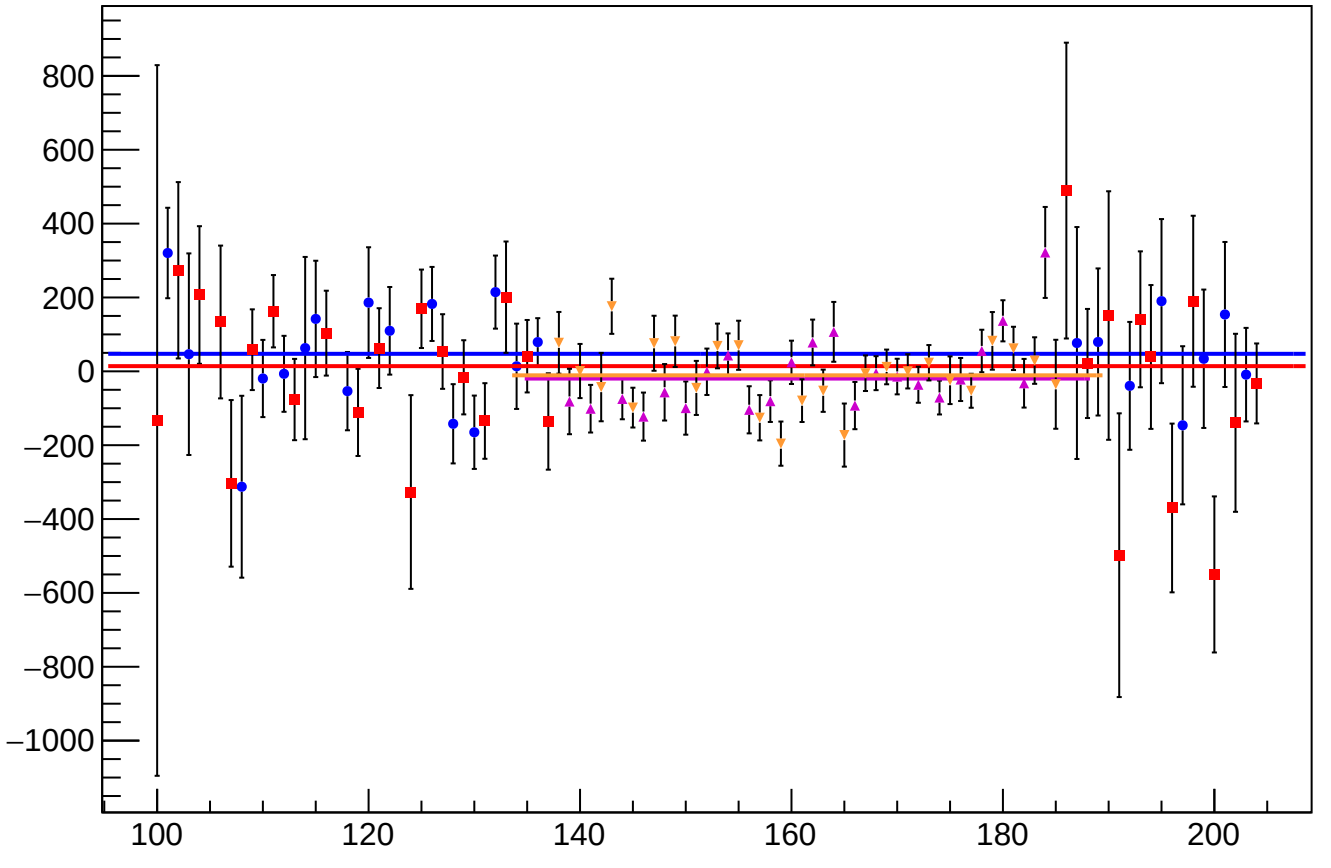
Left: 259.776+/-0.031 χ^2/NDF: 5541171.4/47

Right: 718.003+/-0.101 χ^2/NDF: 5850427.3/53

In: 294.947+/-0.042 χ^2/NDF:13859140.5/46

Out: 304.651+/-0.042 χ^2/NDF:16300920.1/54

All: 299.841+/-0.030 χ^2/NDF: 30186469.0/10



Right In: 47.426+/-26.040 χ^2/NDF: 24.9/23

Left Out: -10.823+/-12.306 χ^2/NDF:40.4/24

Right Out: 14.062+/-25.969 χ^2/NDF: 33.7/29

Left In: -19.597+/-12.546 χ^2/NDF:36.8/22

Left: -15.126+/-8.785 χ^2/NDF: 77.4/47

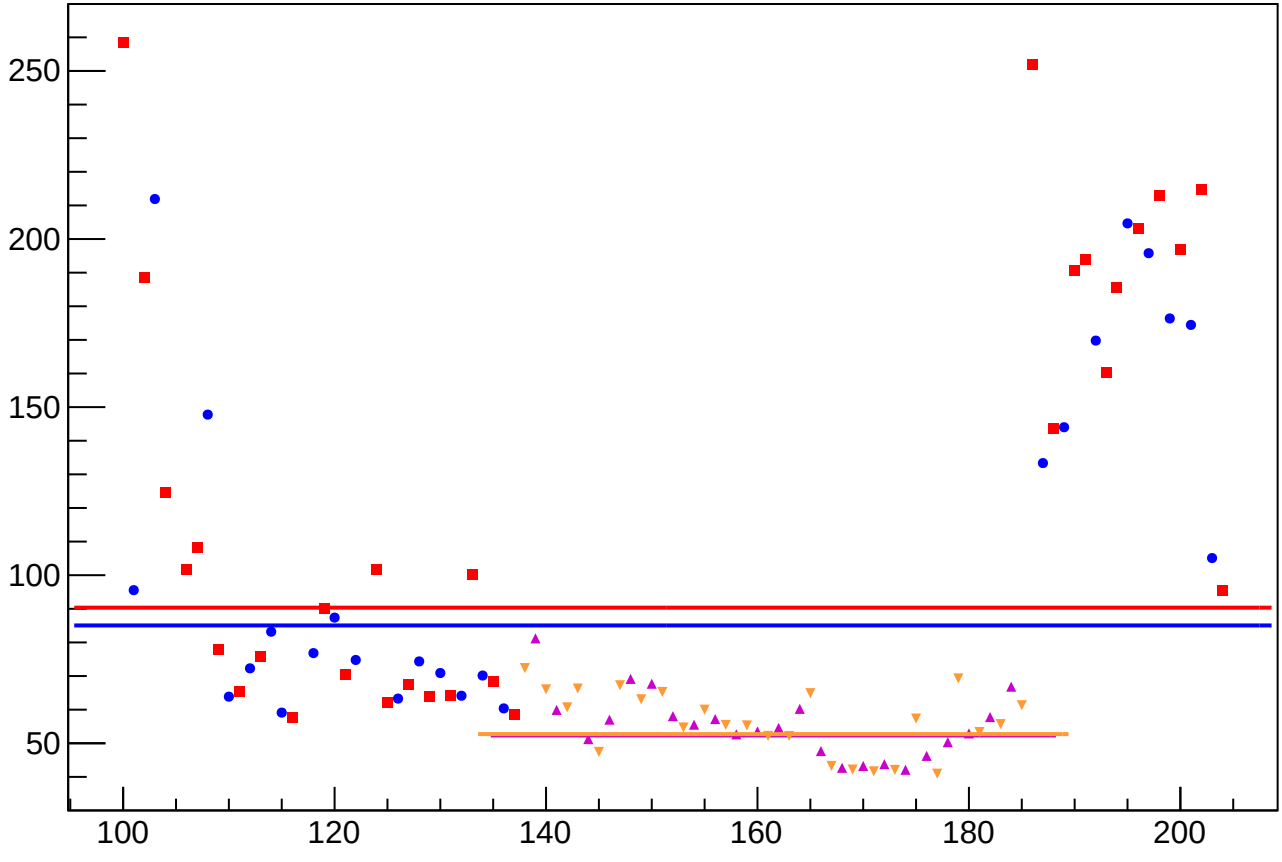
Right: 30.698+/-18.388 χ^2/NDF: 59.5/53

In: -6.971+/-11.302 χ^2/NDF:67.0/46

Out: -6.260+/-11.121 χ^2/NDF:74.9/54

All: -6.610+/-7.927 χ^2/NDF: 141.9/101

dit_asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 85.055+/-0.018 χ^2/NDF: 4094998.6/23

Left Out: 52.731+/-0.009 χ^2/NDF:1167195.4/24

Right Out: 90.346+/-0.018 χ^2/NDF: 5423190.5/29

Left In: 52.314+/-0.009 χ^2/NDF:891847.5/22

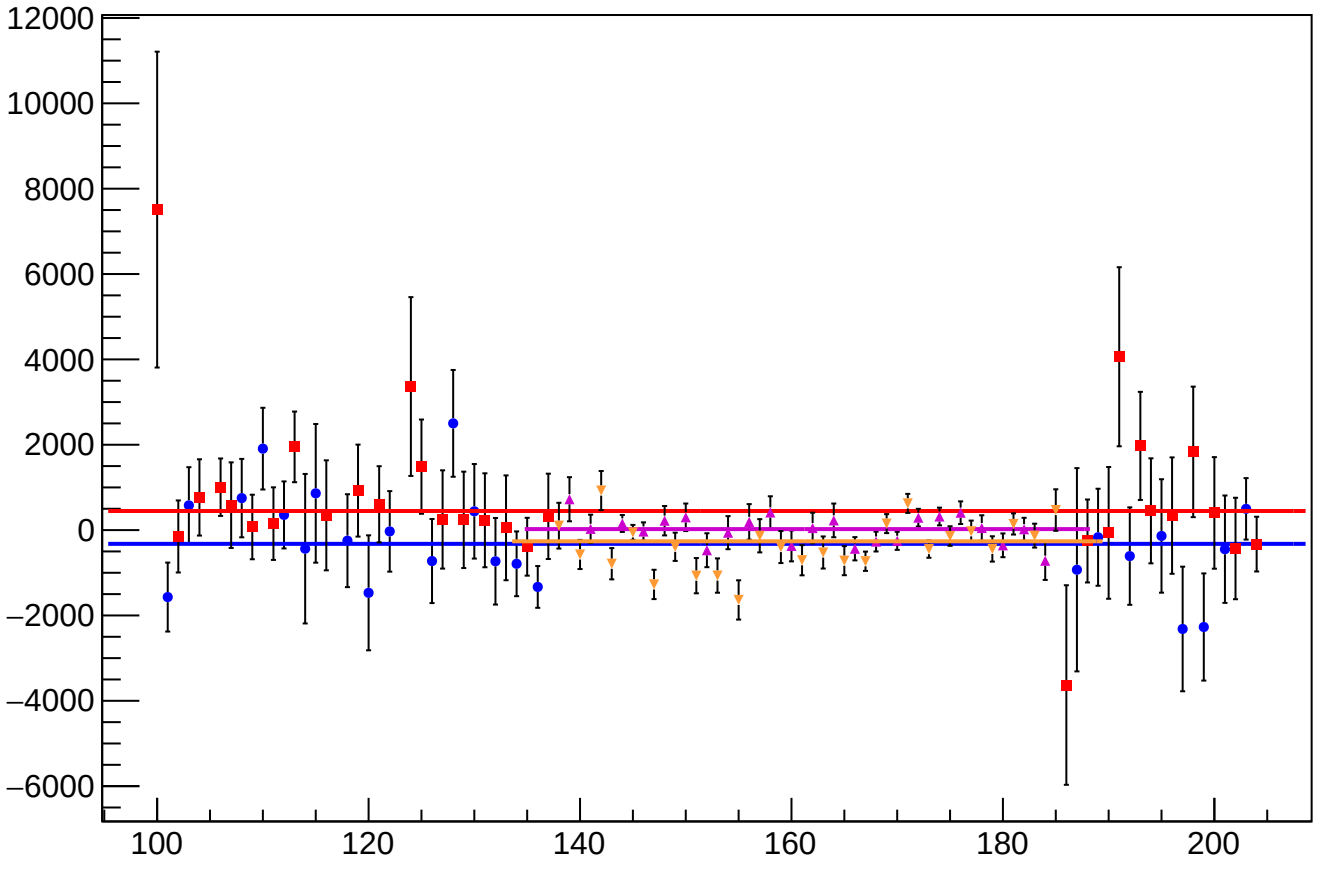
Left: 52.526+/-0.006 χ^2/NDF: 2060169.7/47

Right: 87.708+/-0.013 χ^2/NDF: 9559588.3/53

In: 58.482+/-0.008 χ^2/NDF:7553019.3/46

Out: 59.629+/-0.008 χ^2/NDF:10017024.2/54

All: 59.065+/-0.006 χ^2/NDF: 17580505.9/101



Right In: -322.088+/-199.126 χ^2/NDF: 28.6/23

Left Out: -262.582+/-58.501 χ^2/NDF:72.2/24

Right Out: 447.716+/-187.793 χ^2/NDF: 24.4/29

Left In: 23.469+/-59.397 χ^2/NDF:24.2/22

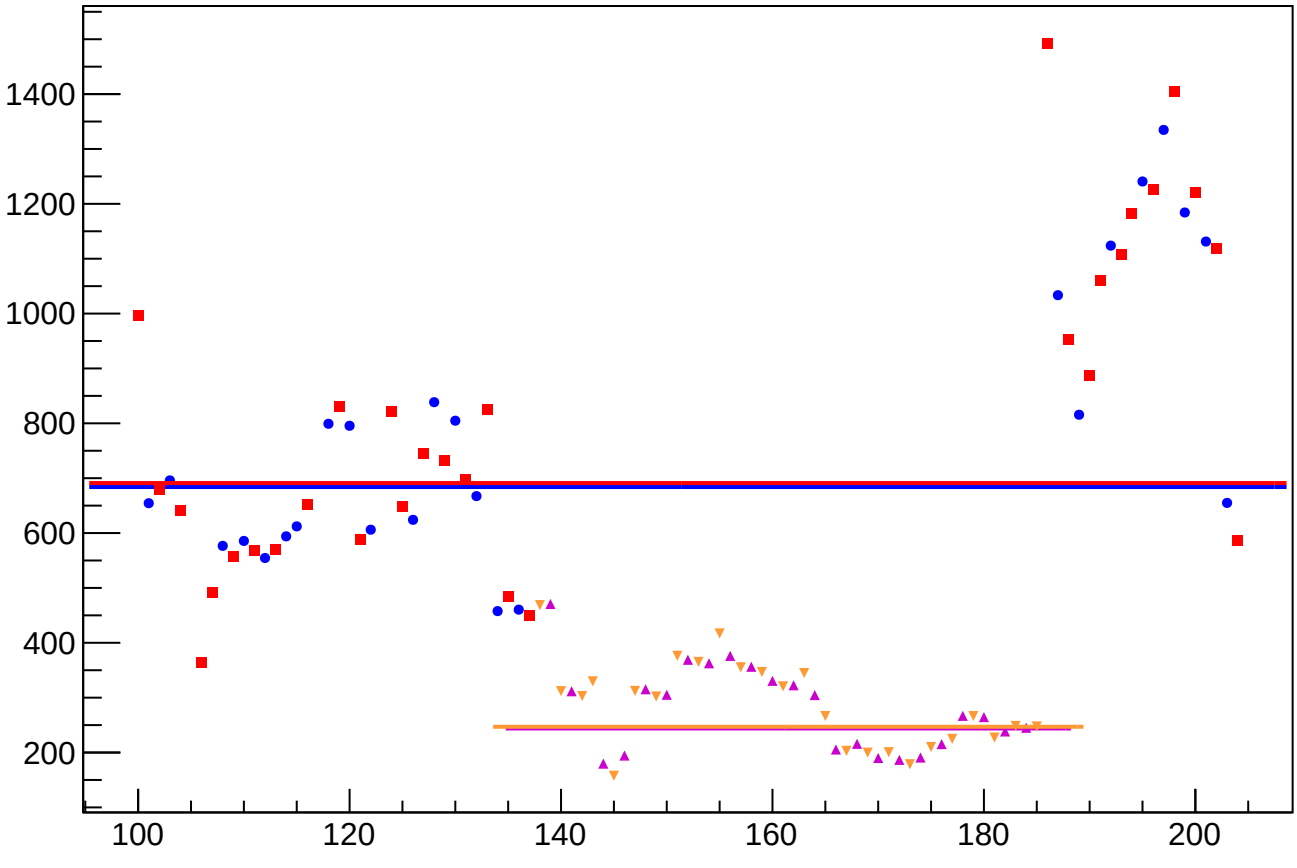
Left: -121.730+/-41.679 χ^2/NDF: 108.2/47

Right: 85.342+/-136.620 χ^2/NDF: 60.9/53

In: -4.765+/-56.918 χ^2/NDF:55.5/46

Out: -199.749+/-55.853 χ^2/NDF:109.6/54

All: -104.098+/-39.866 χ^2/NDF: 171.1/101



Right In: 683.878+/-0.141 χ^2/NDF: 2511016.0/23

Left Out: 246.995+/-0.041 χ^2/NDF:2925691.6/24

Right Out: 691.143+/-0.133 χ^2/NDF: 3521783.9/29

Left In: 243.825+/-0.042 χ^2/NDF:2490545.8/22

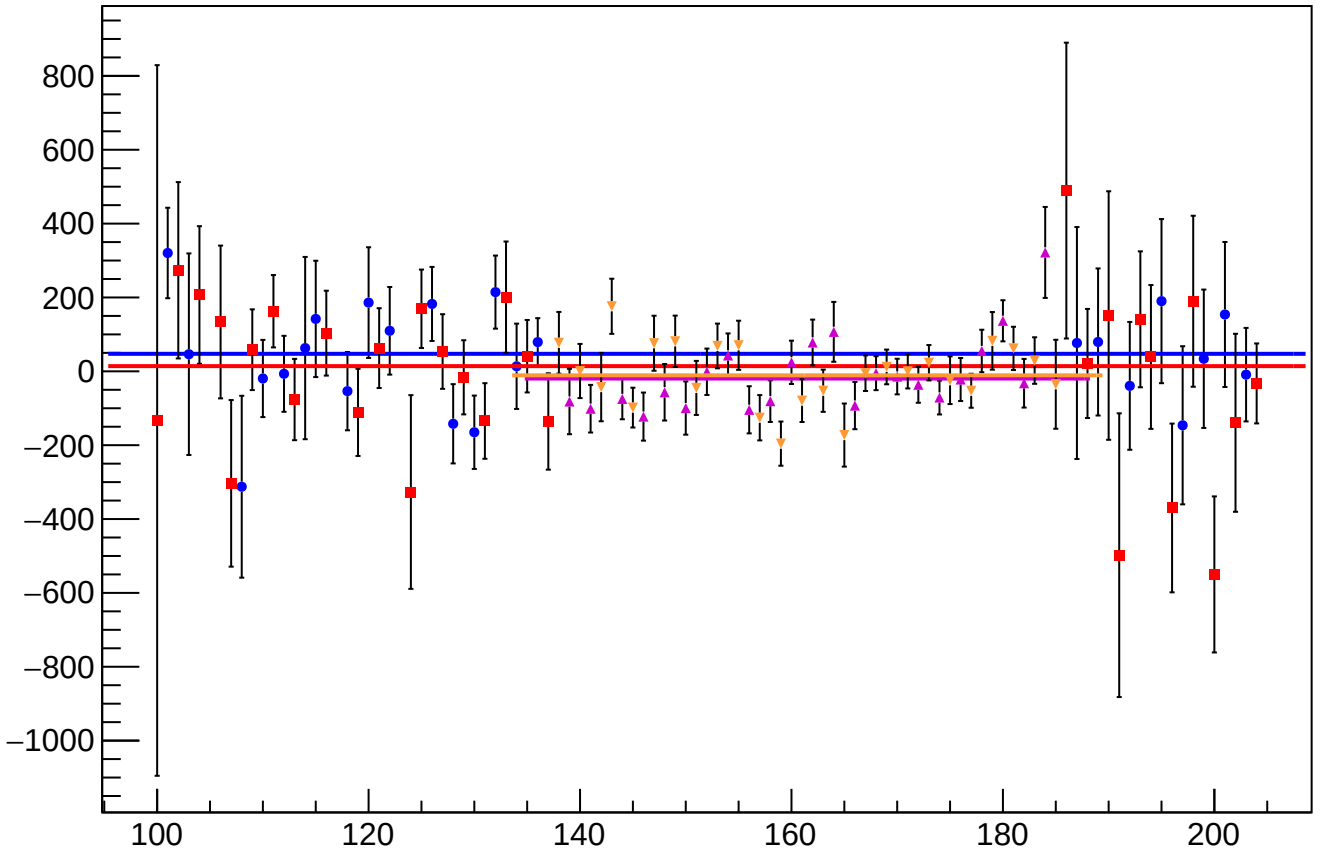
Left: 245.434+/-0.029 χ^2/NDF: 5419129.9/47

Right: 687.723+/-0.097 χ^2/NDF: 6034208.8/53

In: 279.780+/-0.040 χ^2/NDF:13971048.4/46

Out: 286.284+/-0.039 χ^2/NDF:16645172.3/54

All: 283.093+/-0.028 χ^2/NDF: 30629526.6/10



Right In: 47.425+/-26.040 χ^2/NDF: 24.9/23

Left Out: -10.822+/-12.306 χ^2/NDF:40.4/24

Right Out: 14.061+/-25.969 χ^2/NDF: 33.7/29

Left In: -19.598+/-12.546 χ^2/NDF:36.8/22

Left: -15.125+/-8.785 χ^2/NDF: 77.4/47

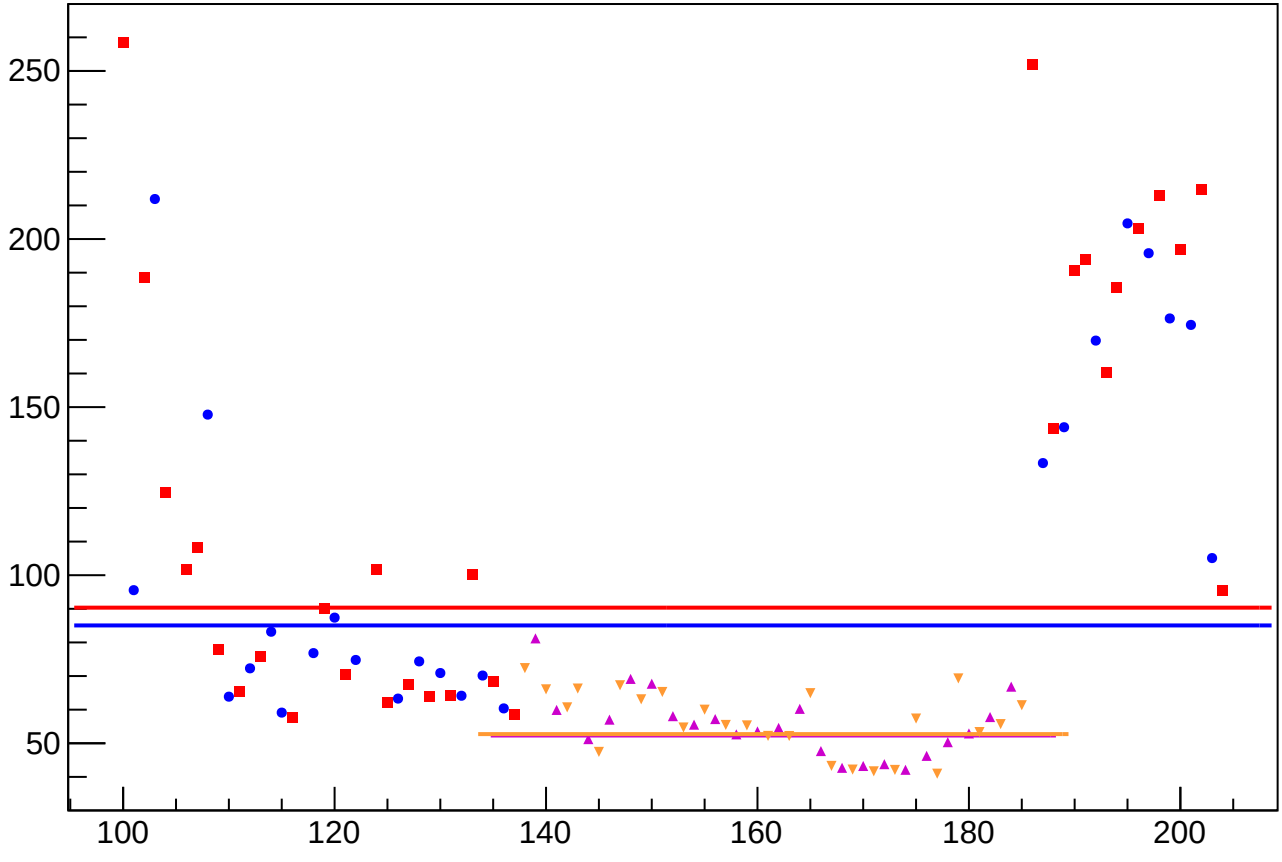
Right: 30.698+/-18.388 χ^2/NDF: 59.5/53

In: -6.971+/-11.302 χ^2/NDF:67.0/46

Out: -6.259+/-11.121 χ^2/NDF:74.9/54

All: -6.609+/-7.927 χ^2/NDF: 141.9/101

eigen_dit_asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 85.055+/-0.018 χ^2/NDF: 4095019.9/23

Left Out: 52.731+/-0.009 χ^2/NDF:1167223.2/24

Right Out: 90.346+/-0.018 χ^2/NDF: 5423189.8/29

Left In: 52.314+/-0.009 χ^2/NDF:891856.0/22

Left: 52.526+/-0.006 χ^2/NDF: 2060206.1/47

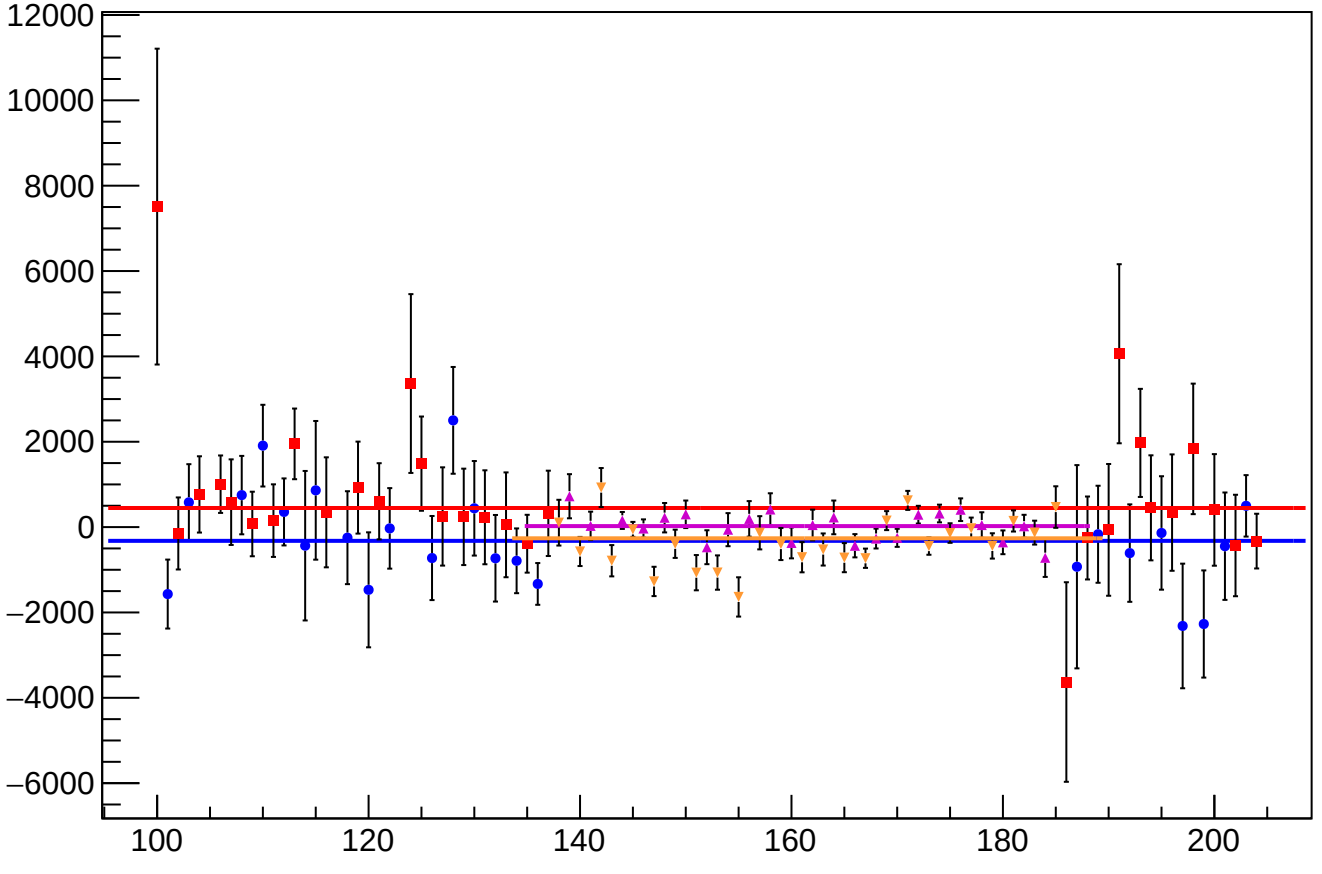
Right: 87.708+/-0.013 χ^2/NDF: 9559610.2/53

In: 58.482+/-0.008 χ^2/NDF:7553018.9/46

Out: 59.629+/-0.008 χ^2/NDF:10017025.8/54

All: 59.065+/-0.006 χ^2/NDF: 17580507.5/101

asym_sam_37_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -322.088+/-199.126 χ^2/NDF: 28.6/23

Left Out: -262.582+/-58.501 χ^2/NDF:72.2/24

Right Out: 447.716+/-187.793 χ^2/NDF: 24.4/29

Left In: 23.469+/-59.397 χ^2/NDF:24.2/22

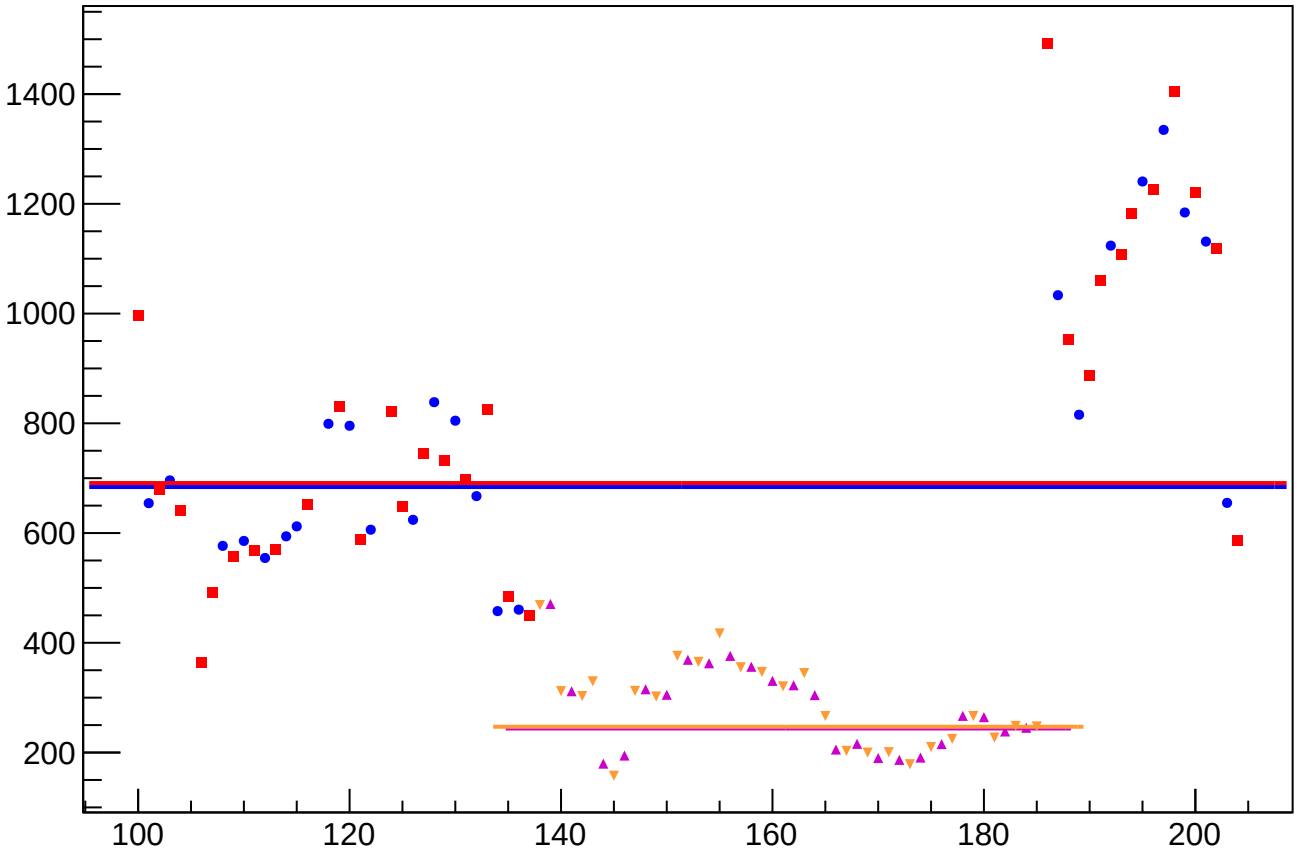
Left: -121.730+/-41.679 χ^2/NDF: 108.2/47

Right: 85.343+/-136.620 χ^2/NDF: 60.9/53

In: -4.765+/-56.918 χ^2/NDF:55.5/46

Out: -199.750+/-55.853 χ^2/NDF:109.6/54

All: -104.099+/-39.866 χ^2/NDF: 171.1/101



Right In: 683.878+/-0.141 χ^2/NDF: 2511004.4/23

Left Out: 246.995+/-0.041 χ^2/NDF:2925680.1/24

Right Out: 691.142+/-0.133 χ^2/NDF: 3521777.7/29

Left In: 243.825+/-0.042 χ^2/NDF:2490539.0/22

Left: 245.434+/-0.029 χ^2/NDF: 5419111.8/47

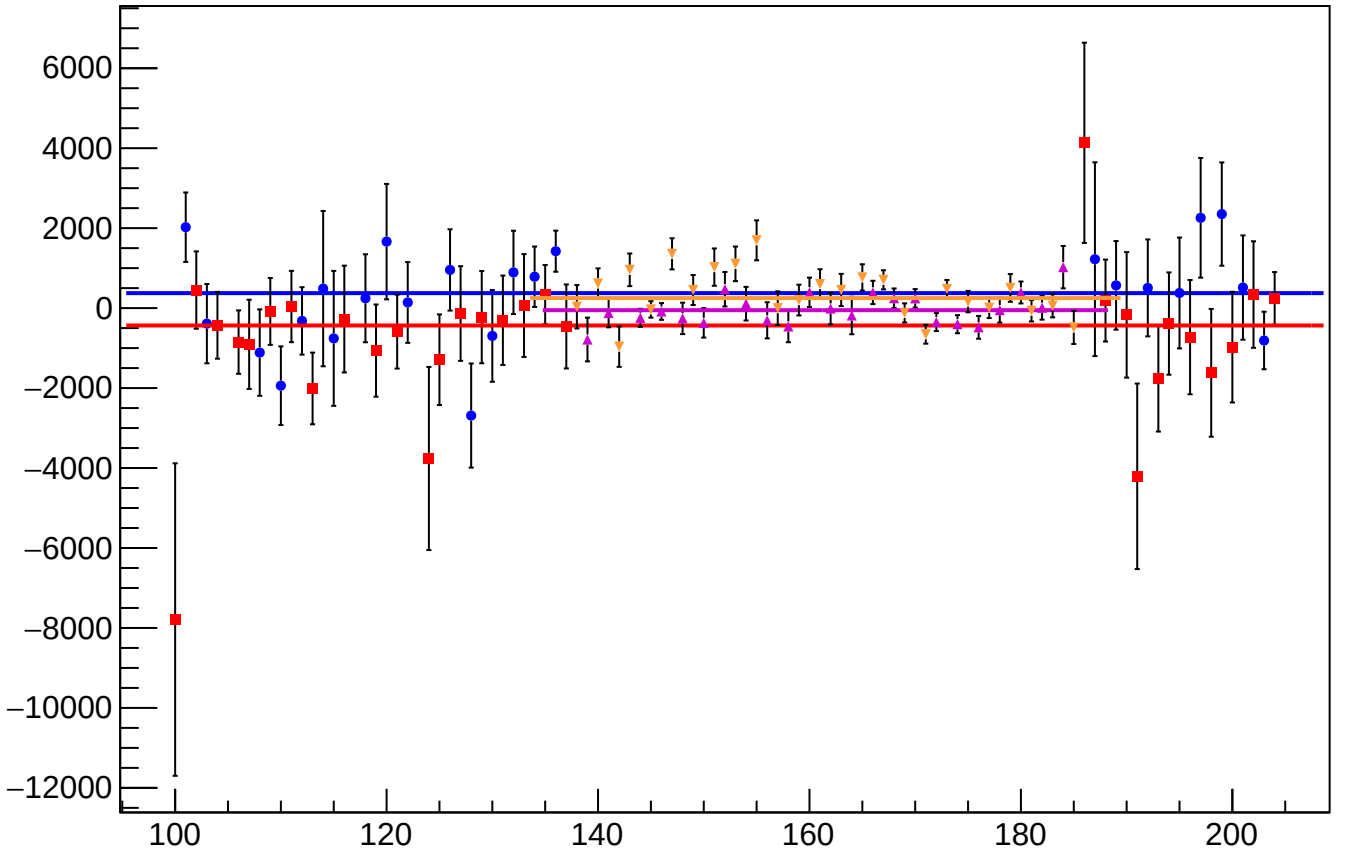
Right: 687.723+/-0.097 χ^2/NDF: 6034190.8/53

In: 279.780+/-0.040 χ^2/NDF:13971048.3/46

Out: 286.284+/-0.039 χ^2/NDF:16645155.6/54

All: 283.093+/-0.028 χ^2/NDF: 30629510.4/10

asym_sam_37_dd_mean vs Slug, Sign Corrected



Right In: 374.687+/-208.209 χ^2/NDF: 31.9/23

Left Out: 251.109+/-63.424 χ^2/NDF:67.5/24

Right Out: -434.840+/-199.538 χ^2/NDF: 22.3/29

Left In: -51.707+/-63.843 χ^2/NDF:26.8/22

Left: 100.699+/-44.995 χ^2/NDF: 105.7/47

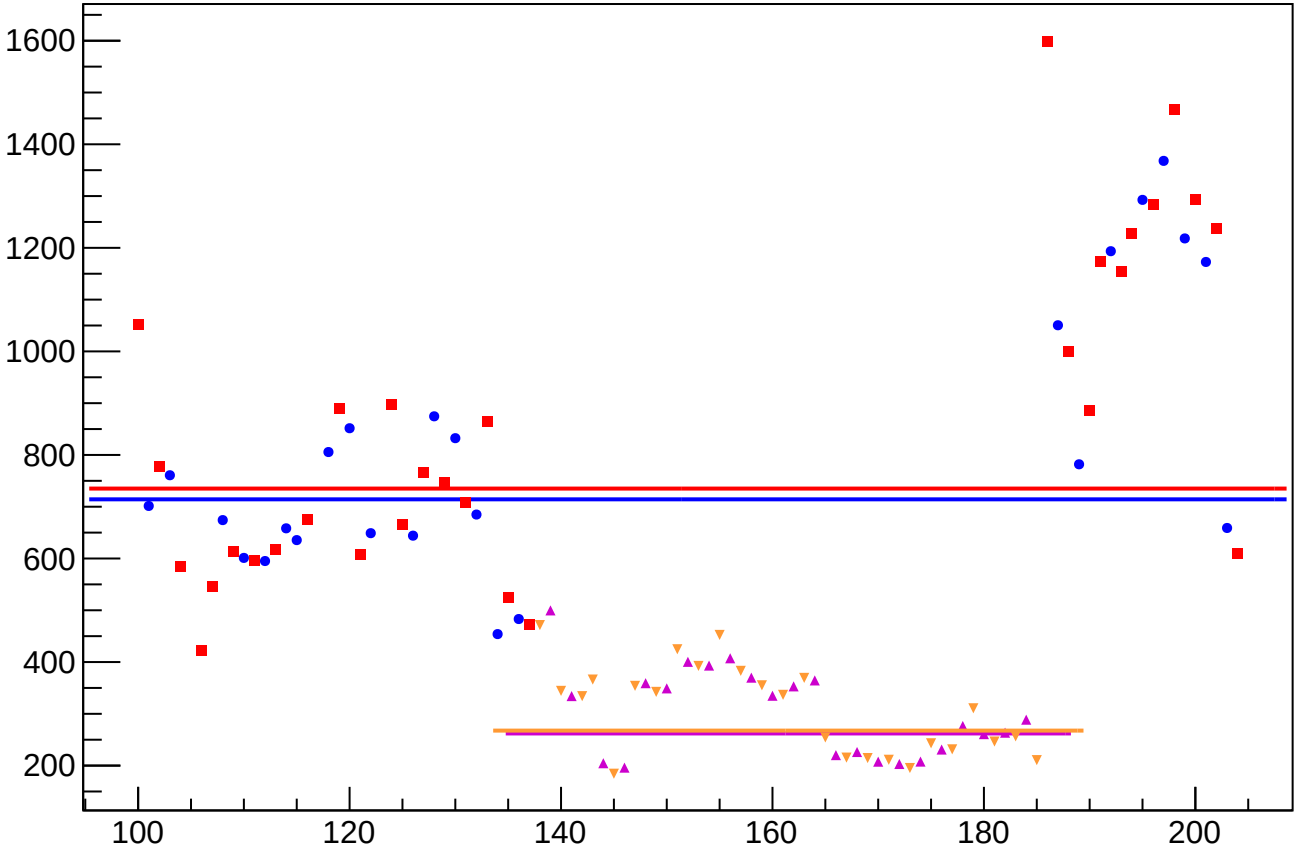
Right: -47.285+/-144.062 χ^2/NDF: 62.1/53

In: -15.062+/-61.038 χ^2/NDF:62.5/46

Out: 188.167+/-60.444 χ^2/NDF:100.6/54

All: 87.547+/-42.949 χ^2/NDF: 168.7/101

asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 714.268+/-0.147 χ^2/NDF: 2476401.8/23

Left Out: 267.589+/-0.045 χ^2/NDF:2801460.2/24

Right Out: 735.048+/-0.141 χ^2/NDF: 3336757.7/29

Left In: 262.092+/-0.045 χ^2/NDF:2537465.8/22

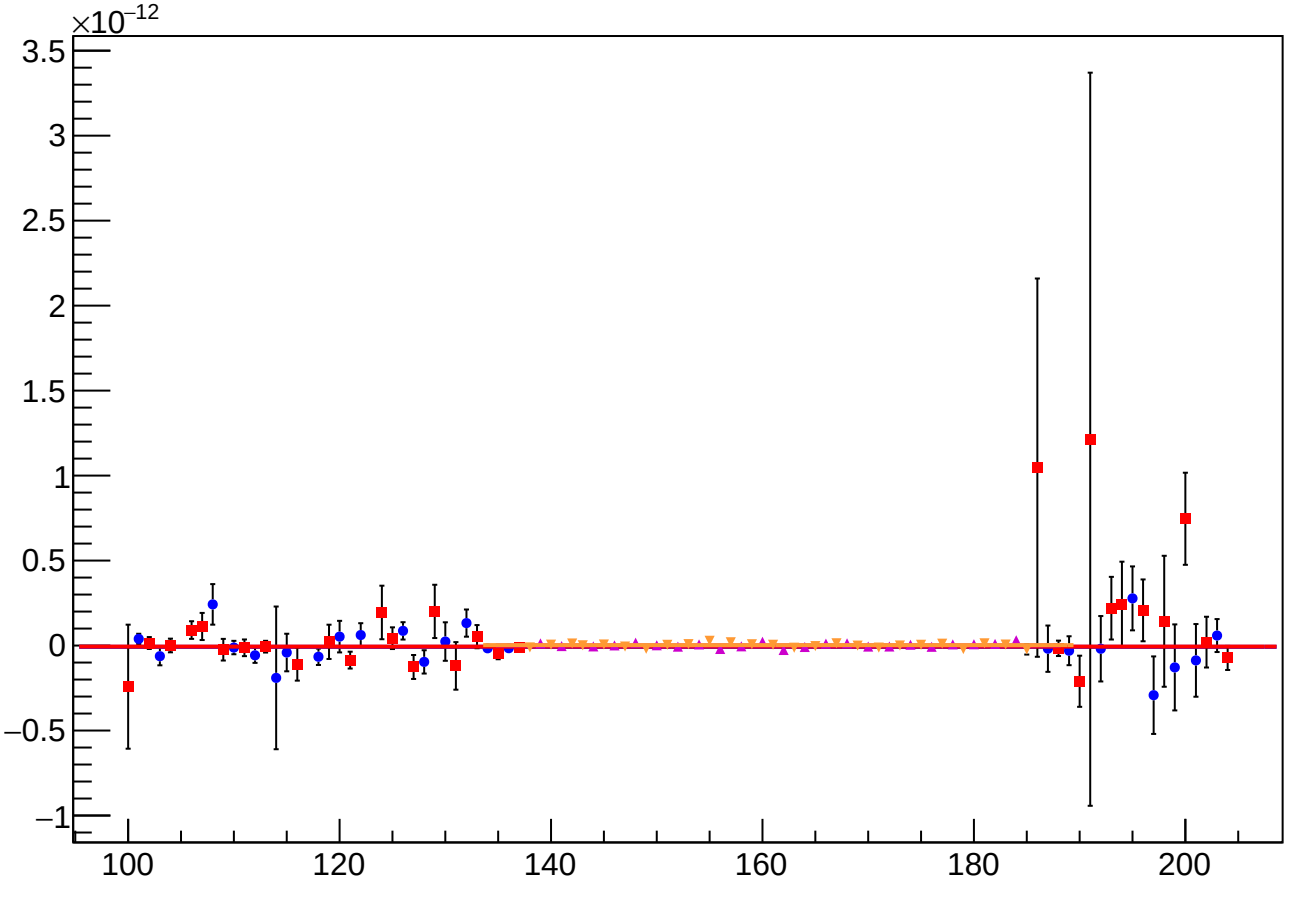
Left: 264.859+/-0.032 χ^2/NDF: 5346387.6/47

Right: 725.099+/-0.102 χ^2/NDF: 5823544.1/53

In: 300.953+/-0.043 χ^2/NDF:13636082.8/46

Out: 310.483+/-0.043 χ^2/NDF:16107590.2/54

All: 305.765+/-0.030 χ^2/NDF: 29768288.7/10



Right In: -0.000+/-0.000 χ^2/NDF: 25.7/23

Left Out: 0.000+/-0.000 χ^2/NDF:15.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 35.8/29

Left In: 0.000+/-0.000 χ^2/NDF:12.3/22

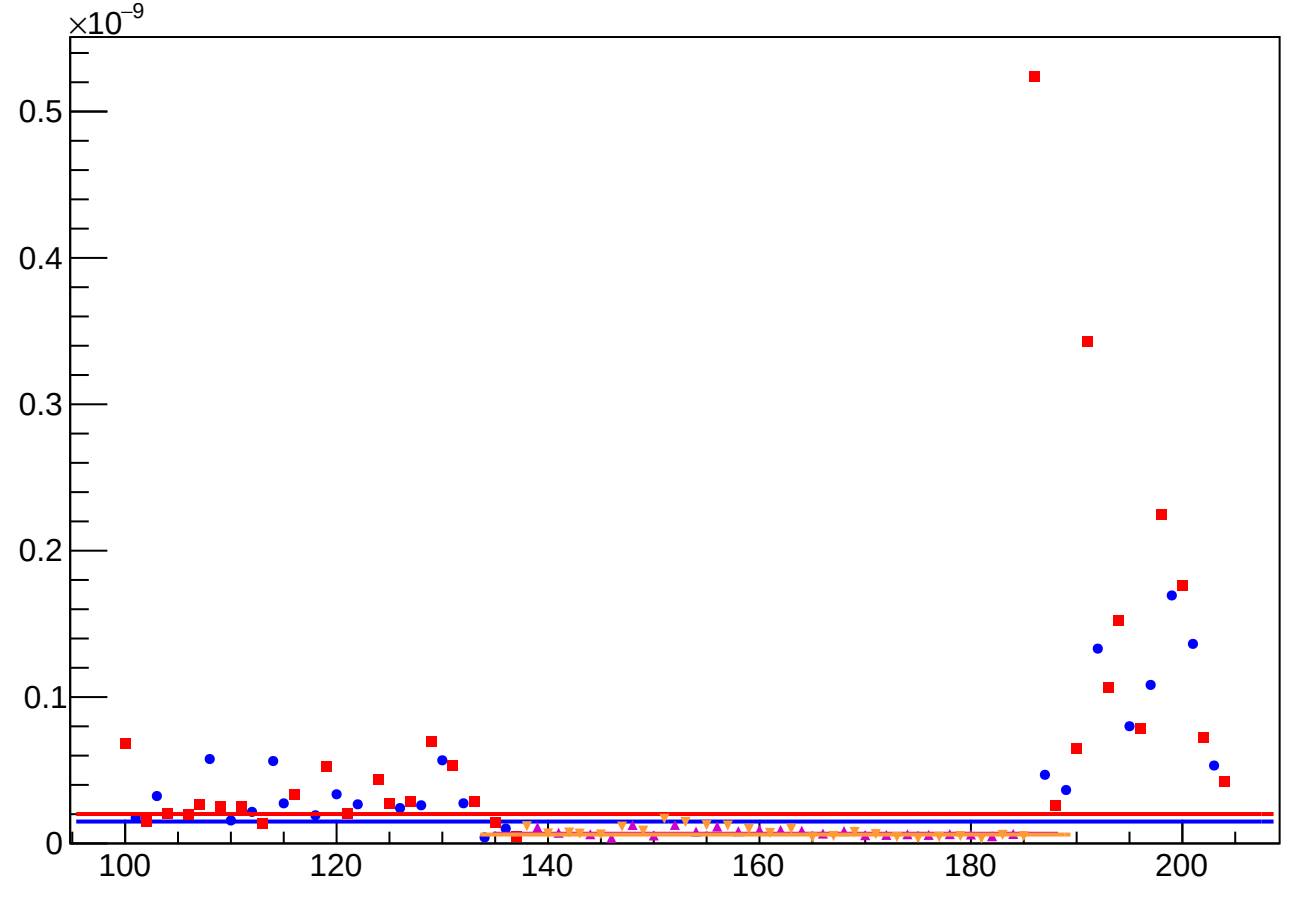
Left: 0.000+/-0.000 χ^2/NDF: 27.6/47

Right: -0.000+/-0.000 χ^2/NDF: 61.5/53

In: 0.000+/-0.000 χ^2/NDF:38.8/46

Out: 0.000+/-0.000 χ^2/NDF:51.6/54

All: 0.000+/-0.000 χ^2/NDF: 90.6/101



Right In: 0.000+/-0.000 χ^2/NDF: 5425427.1/23

Left Out: 0.000+/-0.000 χ^2/NDF:2413933.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5327472.1/29

Left In: 0.000+/-0.000 χ^2/NDF:1176996.8/22

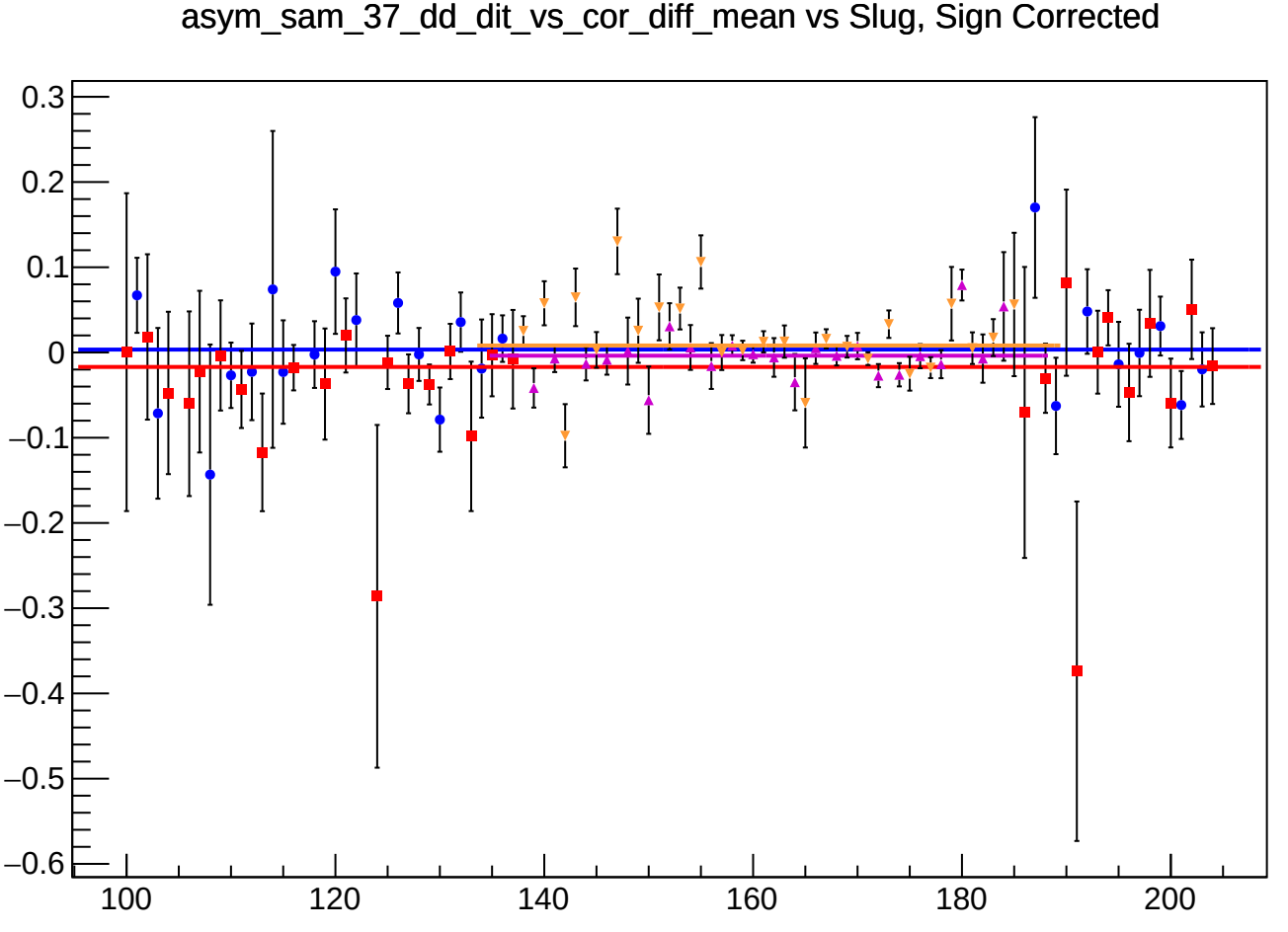
Left: 0.000+/-0.000 χ^2/NDF: 3636937.9/47

Right: 0.000+/-0.000 χ^2/NDF: 11011711.9/53

In: 0.000+/-0.000 χ^2/NDF:8113806.6/46

Out: 0.000+/-0.000 χ^2/NDF:10883209.0/54

All: 0.000+/-0.000 χ^2/NDF: 19042178.6/101



Right In: 0.003+/-0.009 χ^2/NDF: 23.5/23

Left Out: 0.008+/-0.003 χ^2/NDF:58.8/24

Right Out: -0.017+/-0.009 χ^2/NDF: 18.4/29

Left In: -0.004+/-0.004 χ^2/NDF:37.2/22

Left: 0.003+/-0.003 χ^2/NDF: 101.7/47

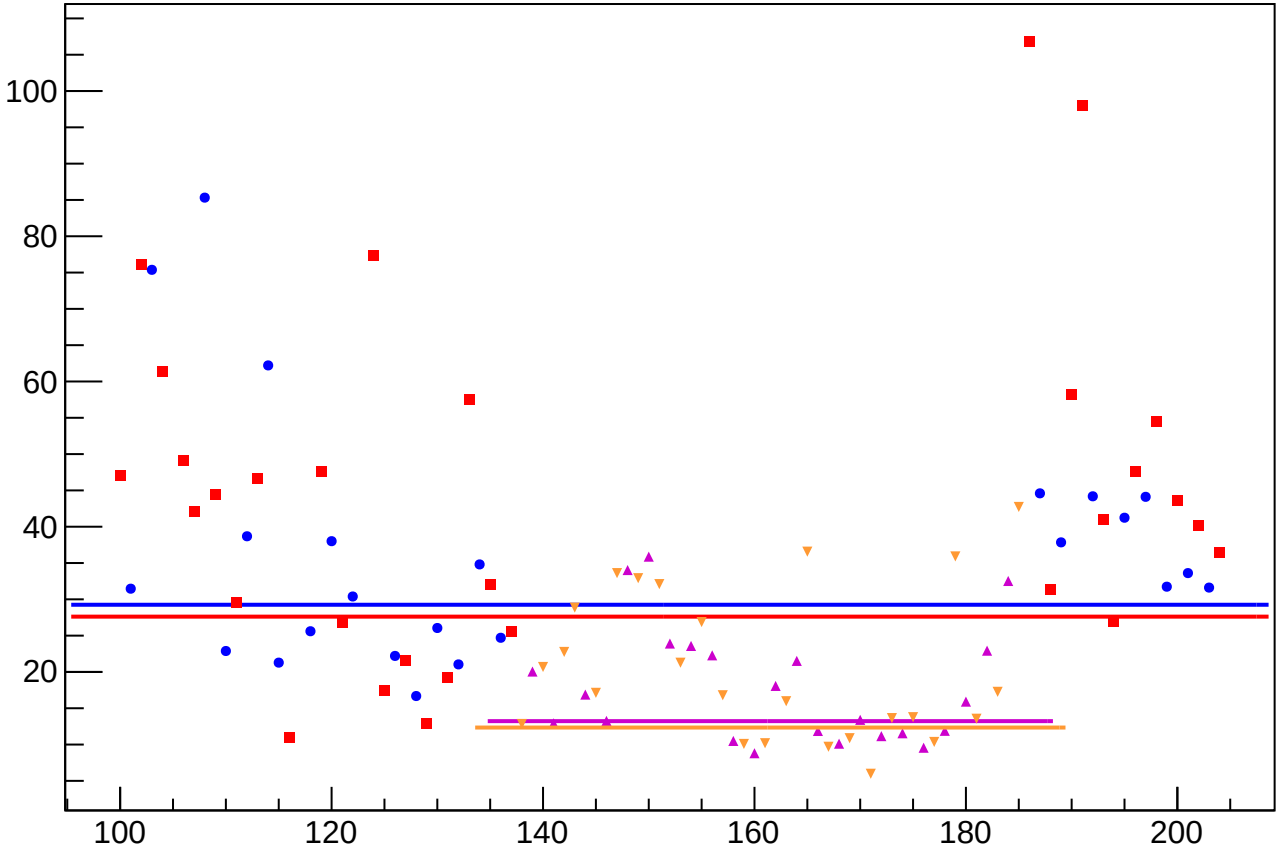
Right: -0.007+/-0.006 χ^2/NDF: 44.4/53

In: -0.003+/-0.003 χ^2/NDF:61.2/46

Out: 0.005+/-0.003 χ^2/NDF:84.3/54

All: 0.001+/-0.002 χ^2/NDF: 148.2/101

asym_sam_37_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.252+/-0.007 χ^2/NDF: 2156072.7/23

Left Out: 12.343+/-0.002 χ^2/NDF:6743594.0/24

Right Out: 27.617+/-0.006 χ^2/NDF: 5709446.5/29

Left In: 13.225+/-0.003 χ^2/NDF:3870352.4/22

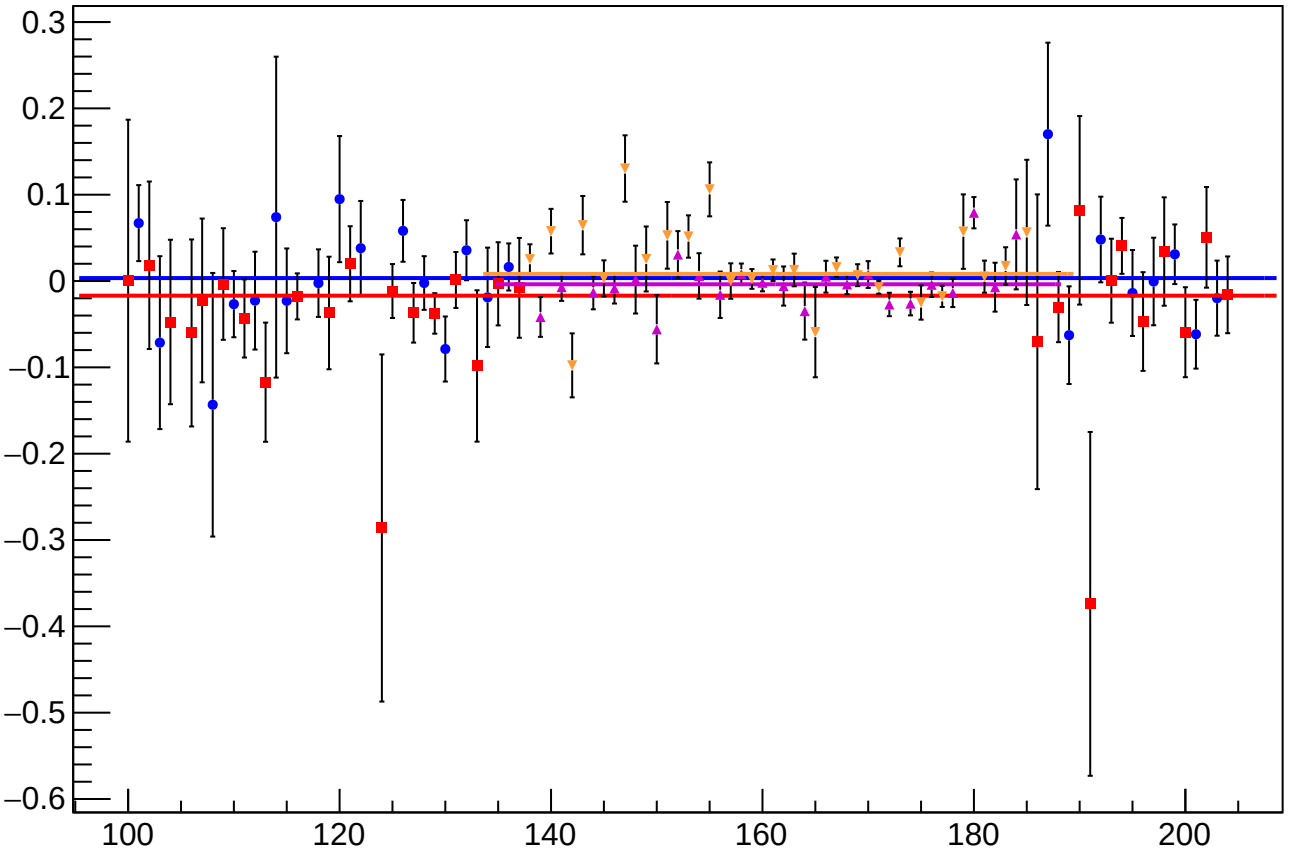
Left: 12.762+/-0.002 χ^2/NDF: 10675886.6/47

Right: 28.394+/-0.005 χ^2/NDF: 7898401.9/53

In: 15.372+/-0.002 χ^2/NDF:11237940.1/46

Out: 14.383+/-0.002 χ^2/NDF:17676781.1/54

All: 14.852+/-0.002 χ^2/NDF: 29004492.7/101



Right In: 0.003+/-0.009 χ^2/NDF: 23.5/23

Left Out: 0.008+/-0.003 χ^2/NDF:58.8/24

Right Out: -0.017+/-0.009 χ^2/NDF: 18.4/29

Left In: -0.004+/-0.004 χ^2/NDF:37.2/22

Left: 0.003+/-0.003 χ^2/NDF: 101.7/47

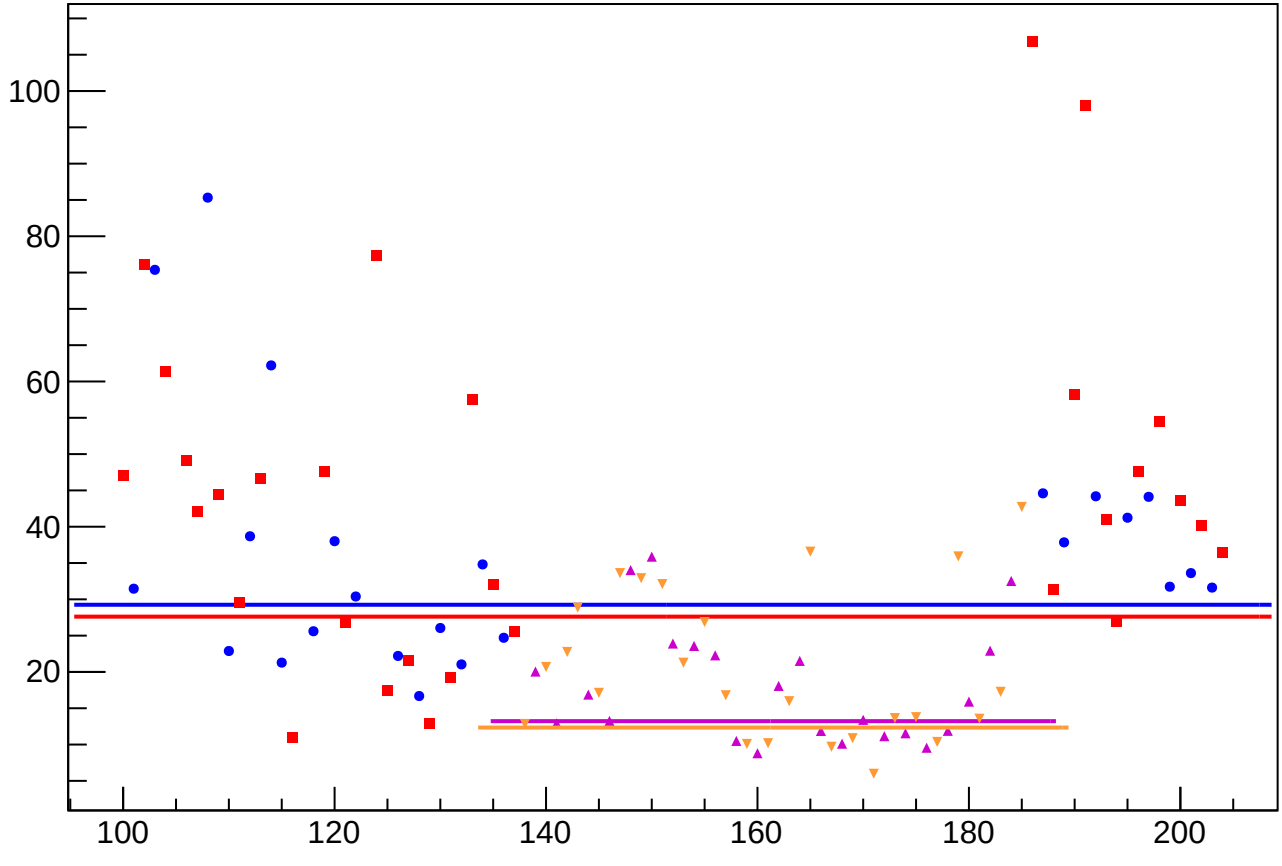
Right: -0.007+/-0.006 χ^2/NDF: 44.4/53

In: -0.003+/-0.003 χ^2/NDF:61.2/46

Out: 0.005+/-0.003 χ^2/NDF:84.3/54

All: 0.001+/-0.002 χ^2/NDF: 148.2/101

asym_sam_37_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.252+/-0.007 χ^2/NDF: 2156072.7/23

Left Out: 12.343+/-0.002 χ^2/NDF:6743594.0/24

Right Out: 27.617+/-0.006 χ^2/NDF: 5709446.5/29

Left In: 13.225+/-0.003 χ^2/NDF:3870352.4/22

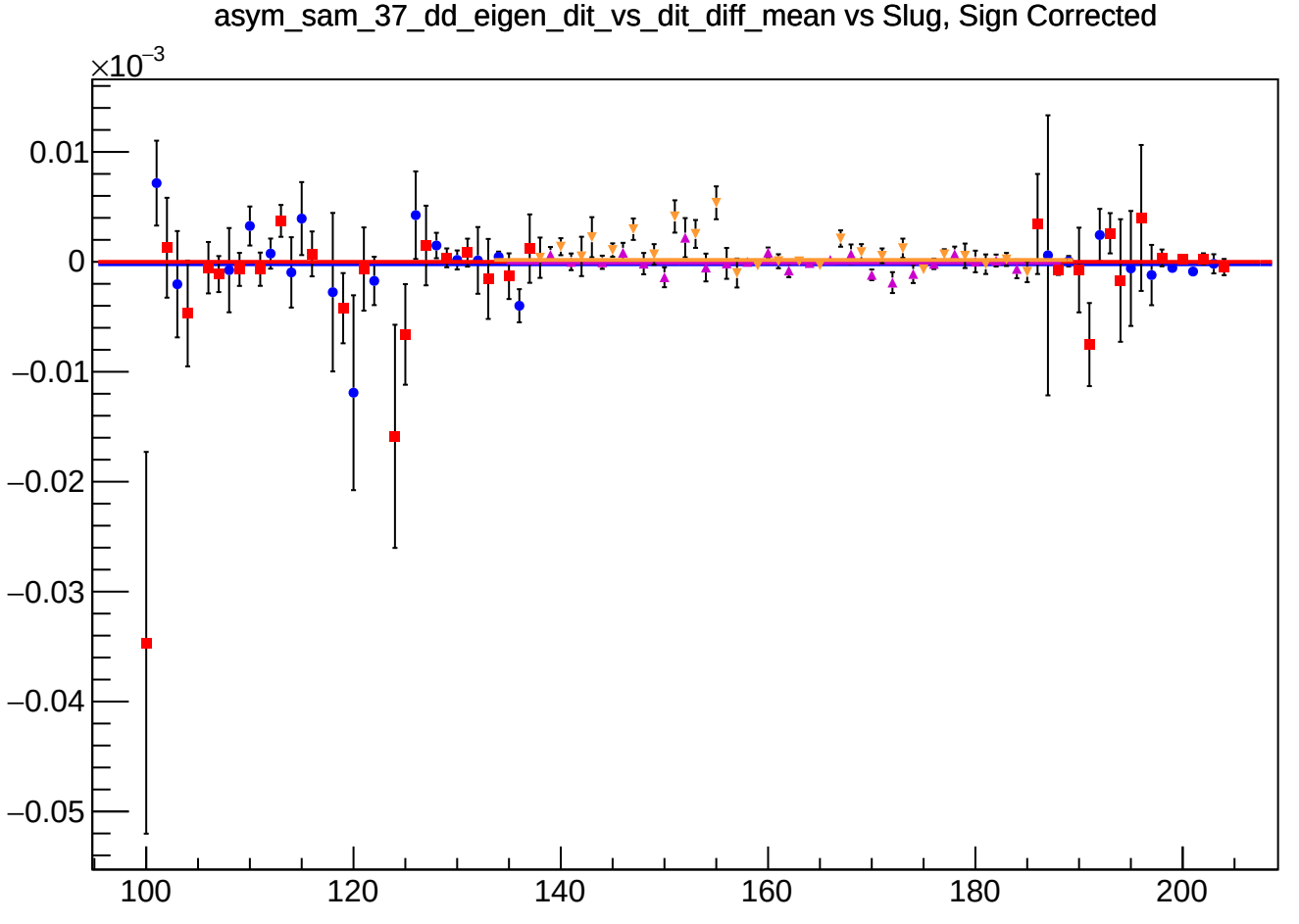
Left: 12.762+/-0.002 χ^2/NDF: 10675886.6/47

Right: 28.394+/-0.005 χ^2/NDF: 7898401.9/53

In: 15.372+/-0.002 χ^2/NDF:11237940.1/46

Out: 14.383+/-0.002 χ^2/NDF:17676781.1/54

All: 14.852+/-0.002 χ^2/NDF: 29004492.7/101



Right In: -0.000+/-0.000 χ^2/NDF: 29.5/23

Left Out: 0.000+/-0.000 χ^2/NDF:61.5/24

Right Out: -0.000+/-0.000 χ^2/NDF: 31.2/29

Left In: -0.000+/-0.000 χ^2/NDF:24.5/22

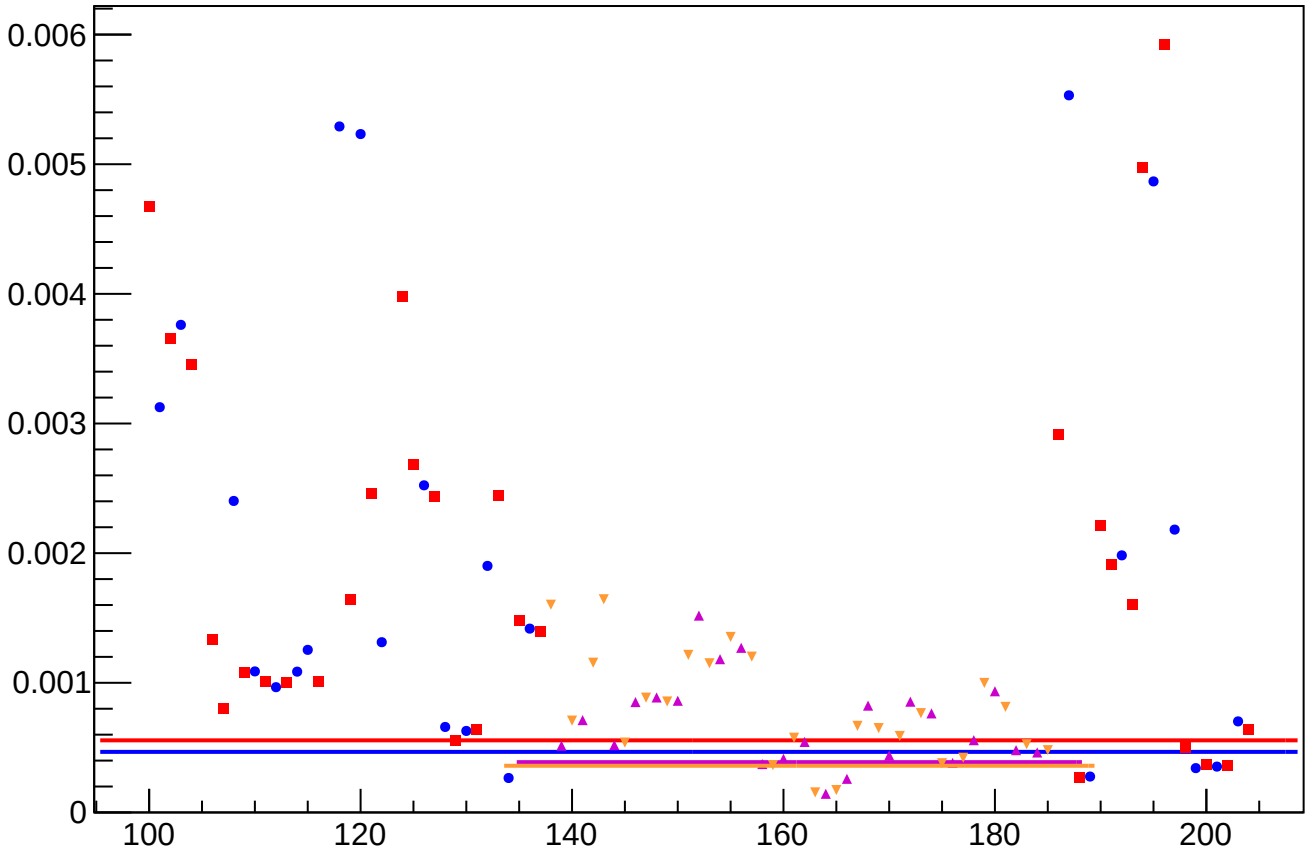
Left: 0.000+/-0.000 χ^2/NDF: 88.8/47

Right: -0.000+/-0.000 χ^2/NDF: 61.3/53

In: -0.000+/-0.000 χ^2/NDF:54.3/46

Out: 0.000+/-0.000 χ^2/NDF:93.3/54

All: 0.000+/-0.000 χ^2/NDF: 151.3/101



Right In: 0.000+/-0.000 χ^2/NDF: 11314346.6/23

Left Out: 0.000+/-0.000 χ^2/NDF:14019628.7/24

Right Out: 0.001+/-0.000 χ^2/NDF: 11675245.0/29

Left In: 0.000+/-0.000 χ^2/NDF:10459340.6/22

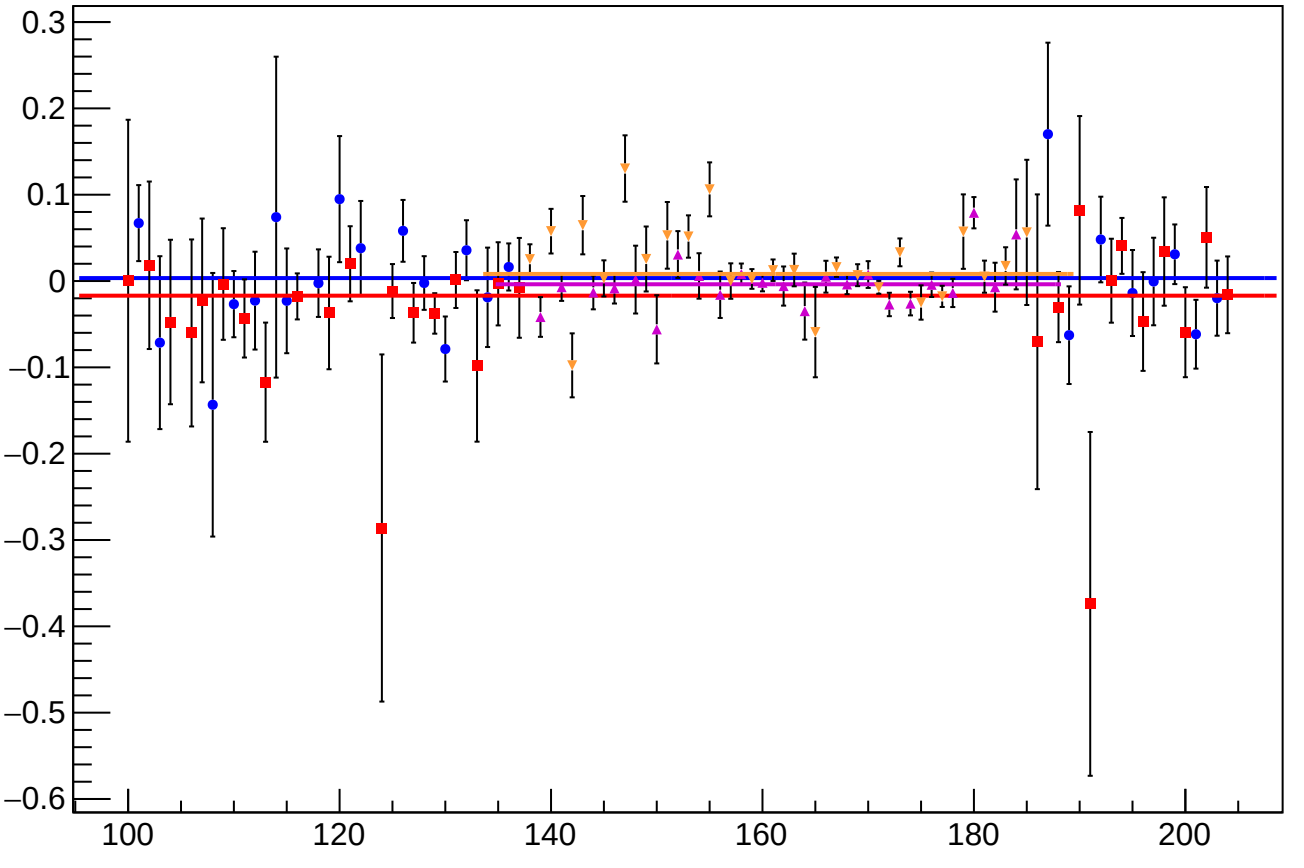
Left: 0.000+/-0.000 χ^2/NDF: 24545127.9/47

Right: 0.001+/-0.000 χ^2/NDF: 23196162.7/53

In: 0.000+/-0.000 χ^2/NDF:22038978.2/46

Out: 0.000+/-0.000 χ^2/NDF:27151360.0/54

All: 0.000+/-0.000 χ^2/NDF: 49197854.6/101



Right In: 0.003+/-0.009 χ^2/NDF: 23.5/23

Left Out: 0.008+/-0.003 χ^2/NDF:58.8/24

Right Out: -0.017+/-0.009 χ^2/NDF: 18.4/29

Left In: -0.004+/-0.004 χ^2/NDF:37.2/22

Left: 0.003+/-0.003 χ^2/NDF: 101.7/47

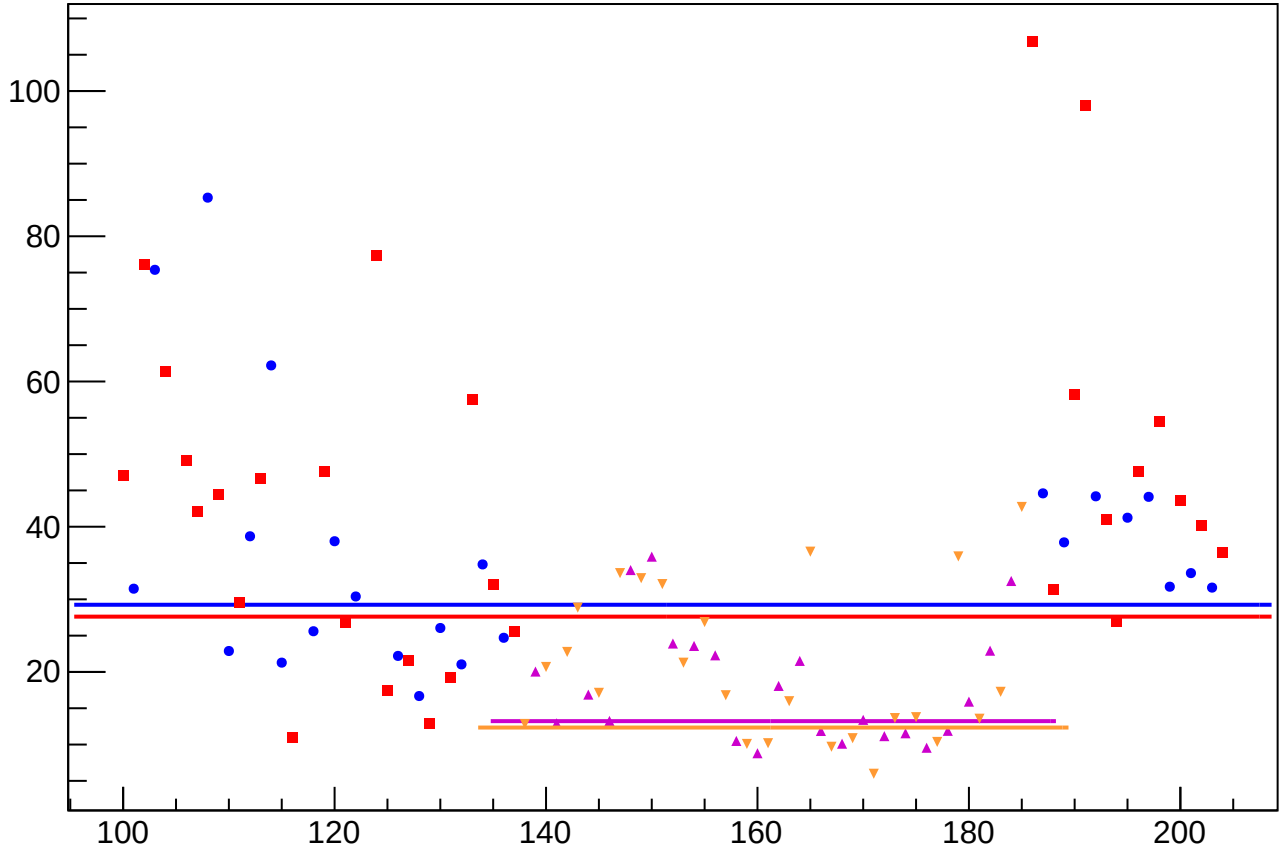
Right: -0.007+/-0.006 χ^2/NDF: 44.4/53

In: -0.003+/-0.003 χ^2/NDF:61.2/46

Out: 0.005+/-0.003 χ^2/NDF:84.3/54

All: 0.001+/-0.002 χ^2/NDF: 148.2/101

asym_sam_37_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.253+/-0.007 χ^2/NDF: 2155996.5/23

Left Out: 12.343+/-0.002 χ^2/NDF:6743823.4/24

Right Out: 27.617+/-0.006 χ^2/NDF: 5709110.5/29

Left In: 13.225+/-0.003 χ^2/NDF:3870507.9/22

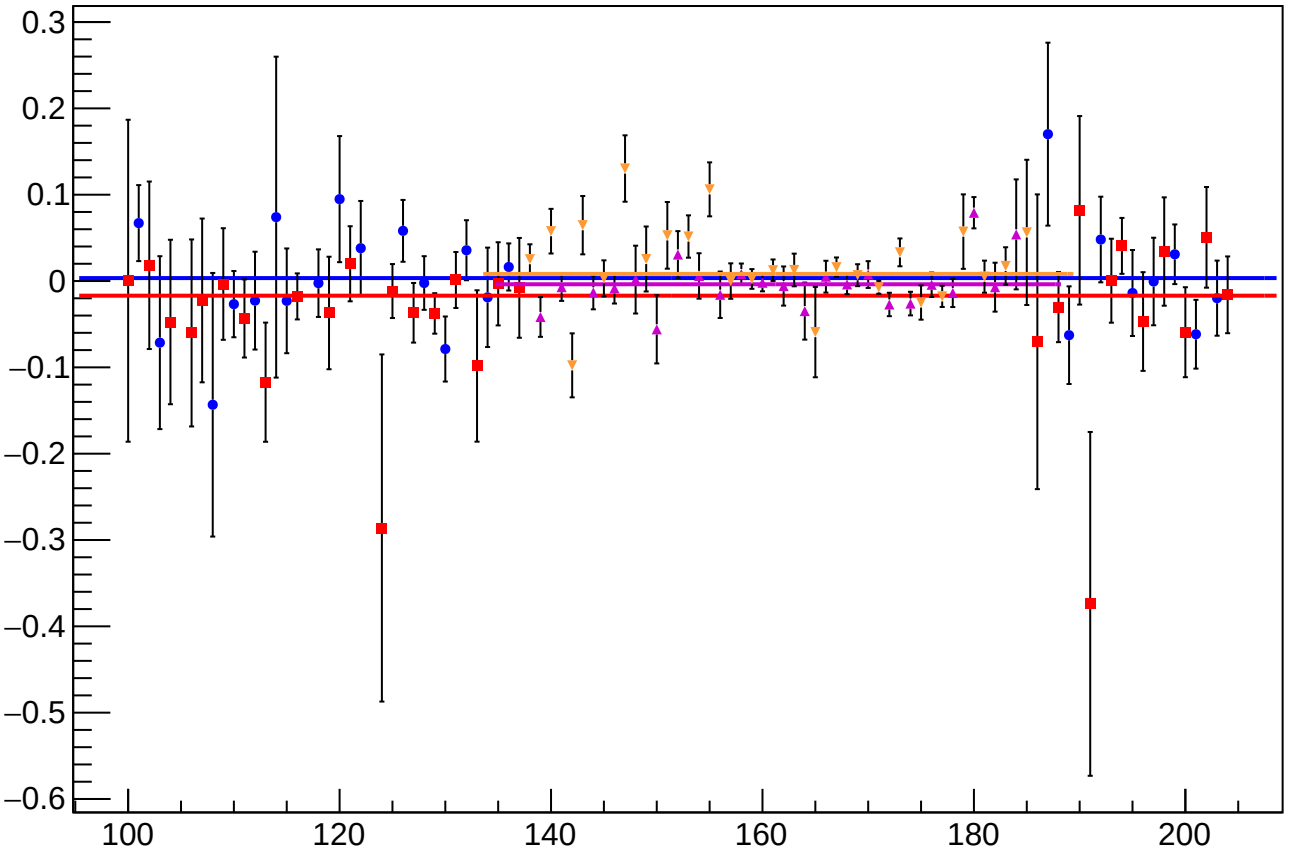
Left: 12.762+/-0.002 χ^2/NDF: 10676265.0/47

Right: 28.395+/-0.005 χ^2/NDF: 7897979.3/53

In: 15.372+/-0.002 χ^2/NDF:11238118.5/46

Out: 14.383+/-0.002 χ^2/NDF:17676874.8/54

All: 14.852+/-0.002 χ^2/NDF: 29004752.7/101



Right In: 0.003+/-0.009 χ^2/NDF: 23.5/23

Left Out: 0.008+/-0.003 χ^2/NDF:58.8/24

Right Out: -0.017+/-0.009 χ^2/NDF: 18.4/29

Left In: -0.004+/-0.004 χ^2/NDF:37.2/22

Left: 0.003+/-0.003 χ^2/NDF: 101.7/47

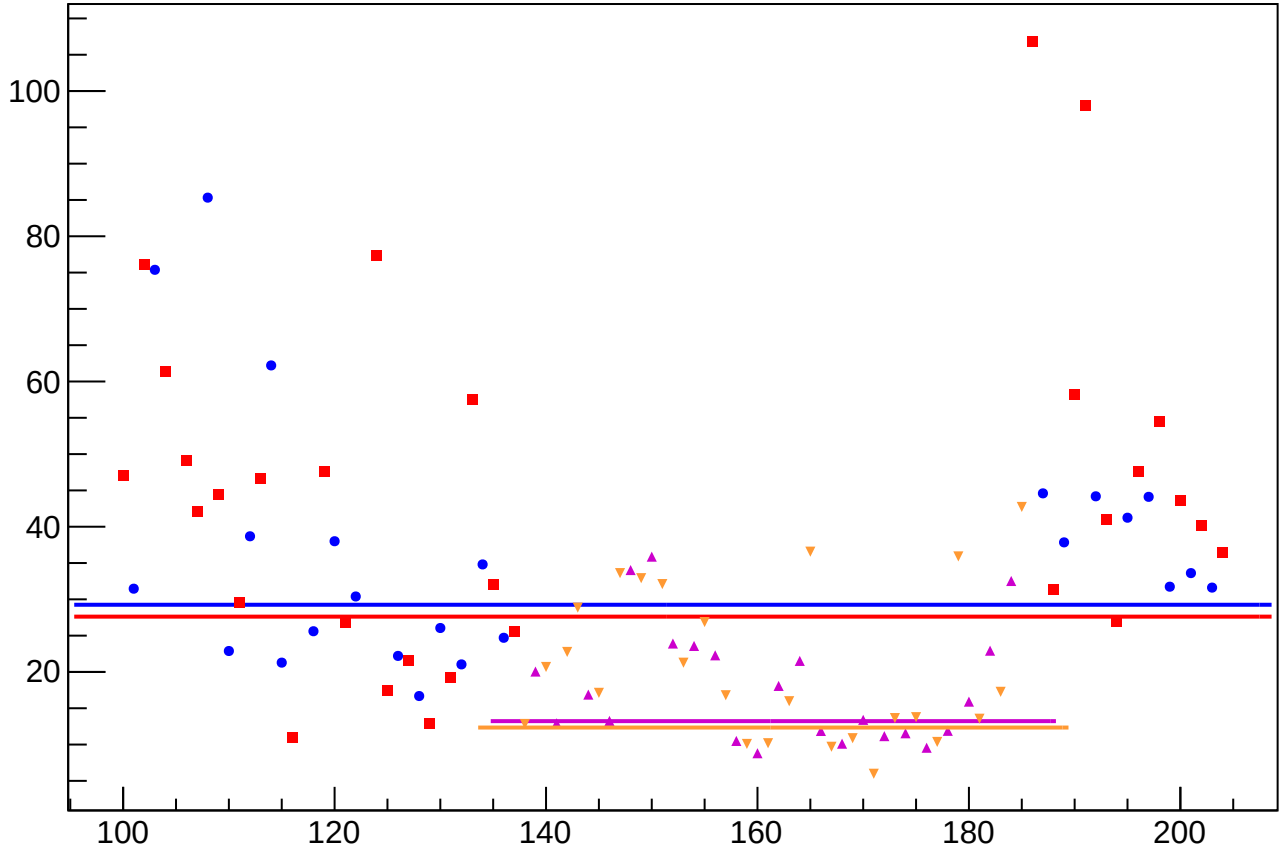
Right: -0.007+/-0.006 χ^2/NDF: 44.4/53

In: -0.003+/-0.003 χ^2/NDF:61.2/46

Out: 0.005+/-0.003 χ^2/NDF:84.3/54

All: 0.001+/-0.002 χ^2/NDF: 148.2/101

asym_sam_37_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.253+/-0.007 χ^2/NDF: 2155996.5/23

Left Out: 12.343+/-0.002 χ^2/NDF:6743823.4/24

Right Out: 27.617+/-0.006 χ^2/NDF: 5709110.5/29

Left In: 13.225+/-0.003 χ^2/NDF:3870507.9/22

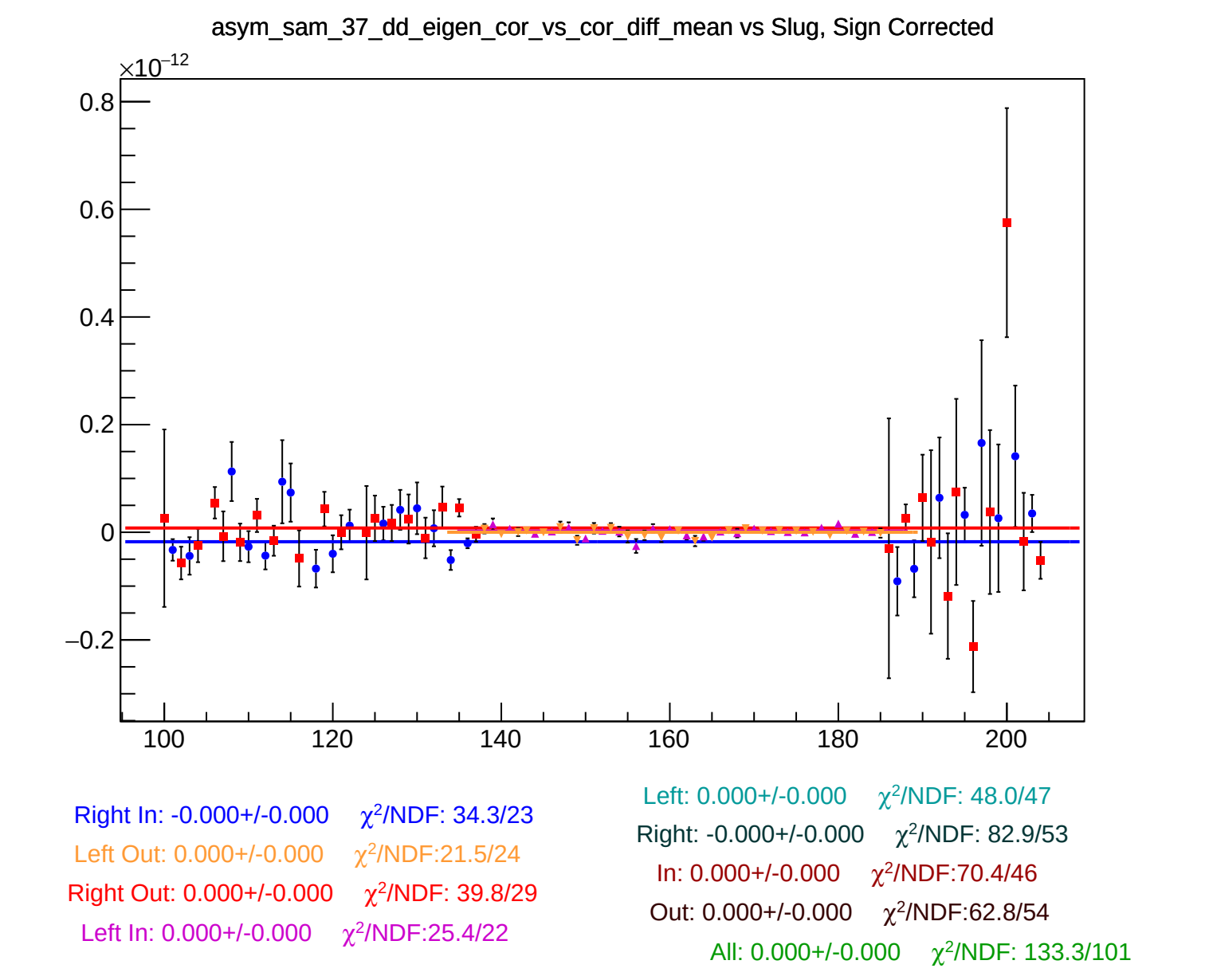
Left: 12.762+/-0.002 χ^2/NDF: 10676265.0/47

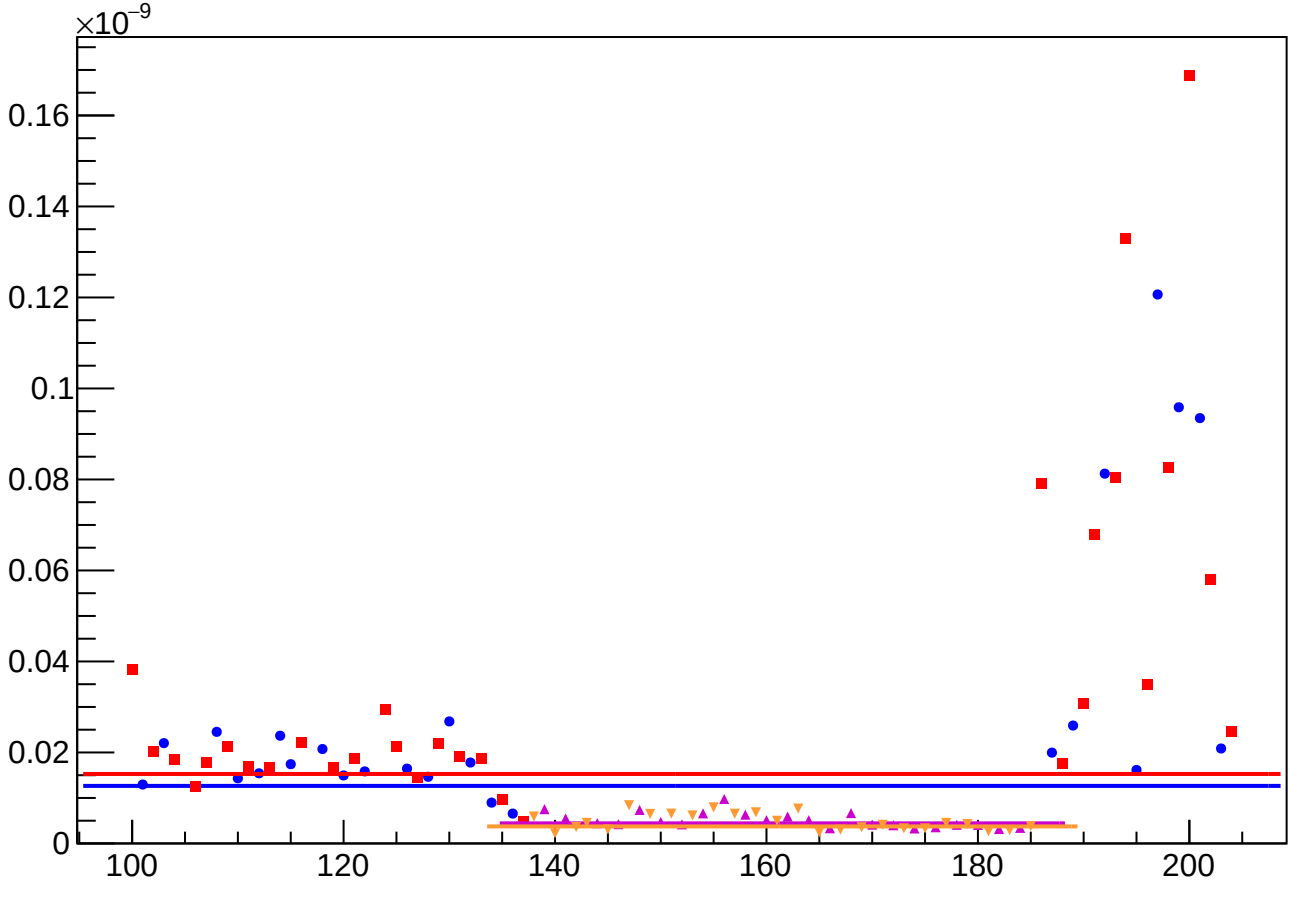
Right: 28.395+/-0.005 χ^2/NDF: 7897979.3/53

In: 15.372+/-0.002 χ^2/NDF:11238118.5/46

Out: 14.383+/-0.002 χ^2/NDF:17676874.8/54

All: 14.852+/-0.002 χ^2/NDF: 29004752.7/101


asym_sam_37_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.8
0.6
0.4
0.2
0
−0.2
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 34.3/23
Left Out: 0.000+/-0.000 χ²/NDF:21.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 39.8/29
Left In: 0.000+/-0.000 χ²/NDF:25.4/22
Left: 0.000+/-0.000 χ²/NDF: 48.0/47
Right: -0.000+/-0.000 χ²/NDF: 82.9/53
In: 0.000+/-0.000 χ²/NDF:70.4/46
Out: 0.000+/-0.000 χ²/NDF:62.8/54
All: 0.000+/-0.000 χ²/NDF: 133.3/101



Right In: 0.000+/-0.000 χ^2/NDF: 4832951.3/23

Left Out: 0.000+/-0.000 χ^2/NDF:3083424.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5925048.1/29

Left In: 0.000+/-0.000 χ^2/NDF:1736522.0/22

Left: 0.000+/-0.000 χ^2/NDF: 5111609.7/47

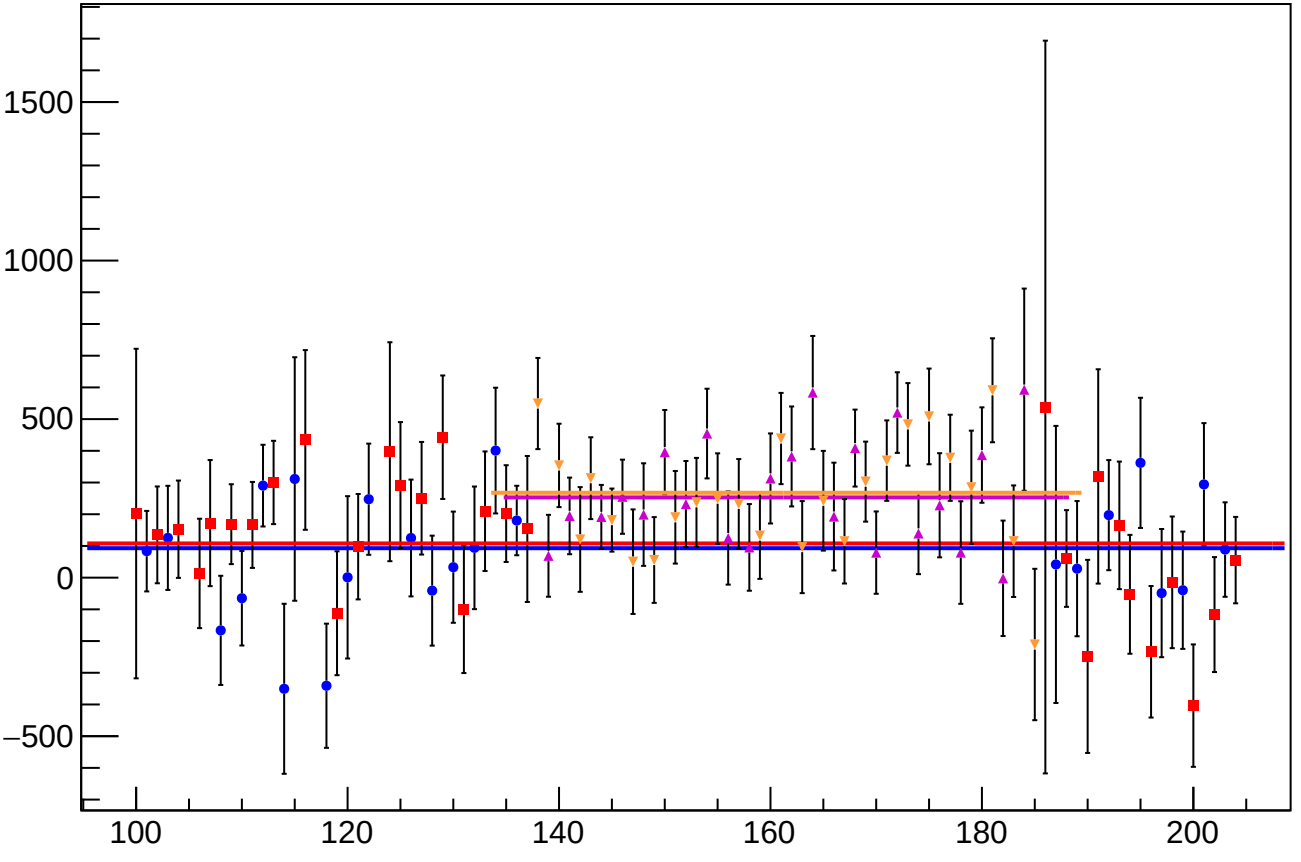
Right: 0.000+/-0.000 χ^2/NDF: 10943405.9/53

In: 0.000+/-0.000 χ^2/NDF:10379252.8/46

Out: 0.000+/-0.000 χ^2/NDF:15382082.8/54

All: 0.000+/-0.000 χ^2/NDF: 26093267.6/101

reg_asym_sam_48_dd_mean vs Slug, Sign Corrected



Right In: 92.863+/-35.969 χ^2/NDF: 22.7/23

Left Out: 267.782+/-28.407 χ^2/NDF:31.0/24

Right Out: 107.853+/-33.739 χ^2/NDF: 27.2/29

Left In: 253.048+/-29.313 χ^2/NDF:26.2/22

Left: 260.646+/-20.400 χ^2/NDF: 57.3/47

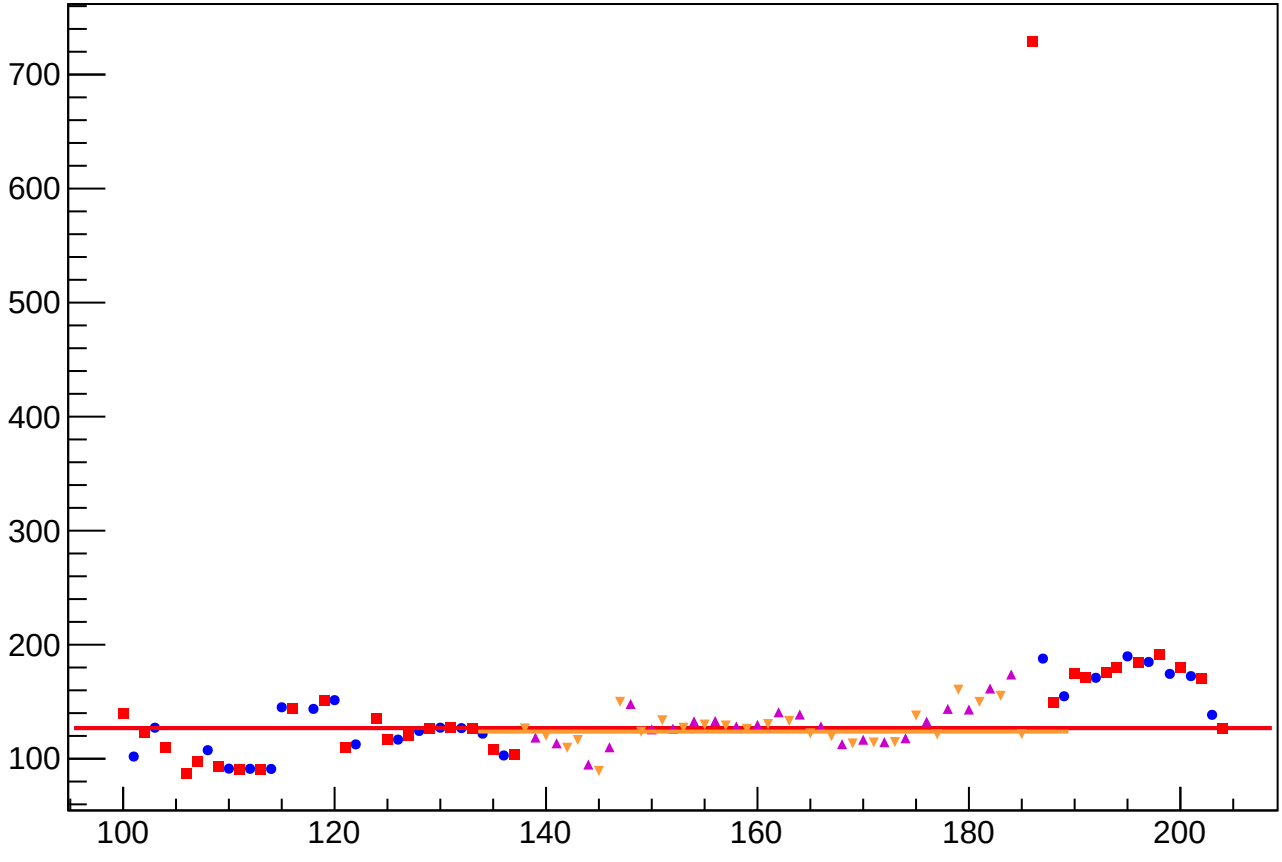
Right: 100.837+/-24.608 χ^2/NDF: 50.0/53

In: 189.119+/-22.723 χ^2/NDF:60.8/46

Out: 201.437+/-21.730 χ^2/NDF:71.4/54

All: 195.553+/-15.705 χ^2/NDF: 132.3/101

reg_asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 126.850+/-0.025 χ^2/NDF: 1369742.4/23

Left Out: 123.807+/-0.020 χ^2/NDF:598444.2/24

Right Out: 126.880+/-0.024 χ^2/NDF: 2304493.0/29

Left In: 124.259+/-0.021 χ^2/NDF:557214.9/22

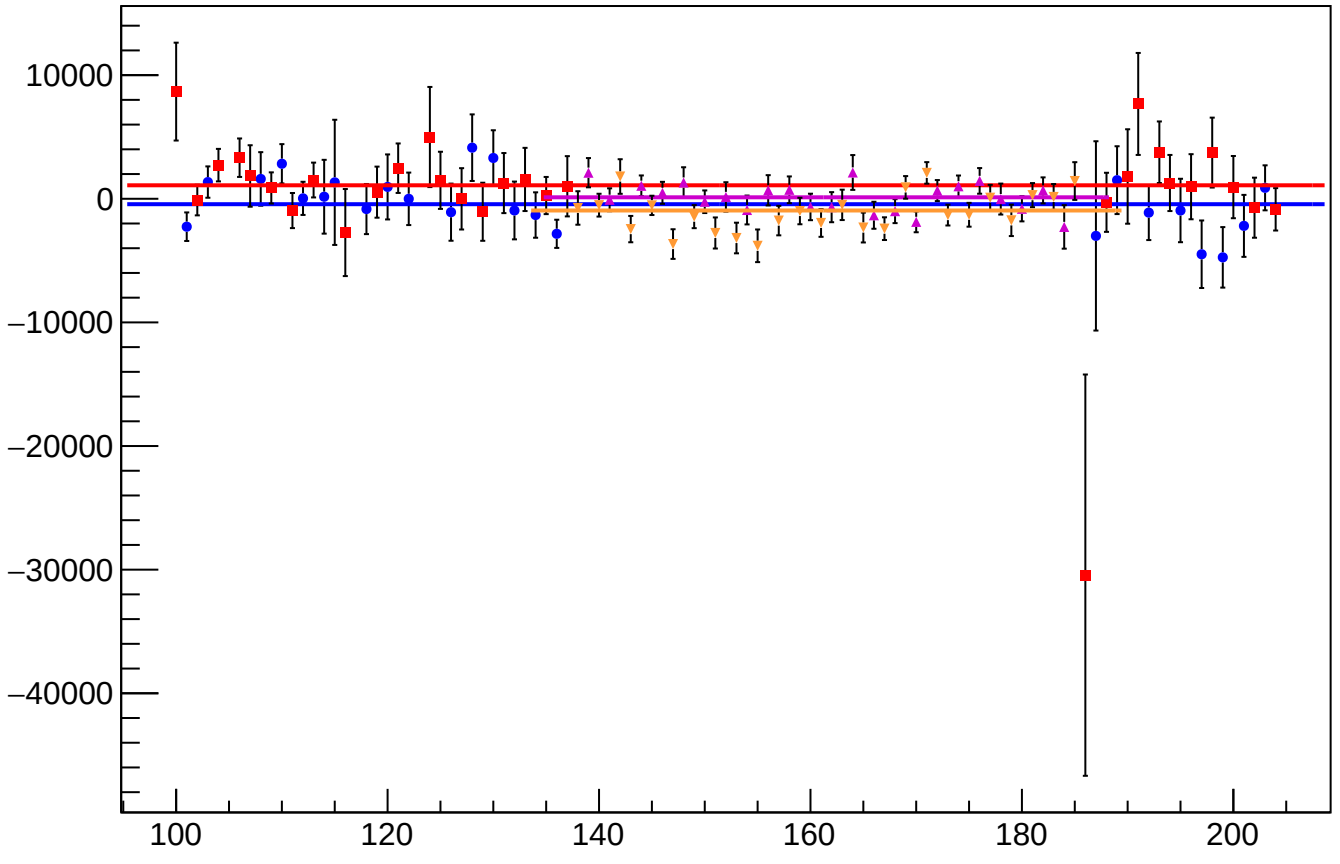
Left: 124.026+/-0.014 χ^2/NDF: 1155903.7/47

Right: 126.866+/-0.017 χ^2/NDF: 3674236.2/53

In: 125.293+/-0.016 χ^2/NDF:1933195.6/46

Out: 125.082+/-0.015 χ^2/NDF:2912643.6/54

All: 125.183+/-0.011 χ^2/NDF: 4845929.2/101



Right In: -439.092+/-397.133 χ^2/NDF: 27.7/23

Left Out: -947.720+/-211.794 χ^2/NDF:50.3/24

Right Out: 1090.432+/-373.036 χ^2/NDF: 25.1/29

Left In: 118.433+/-217.165 χ^2/NDF:24.4/22

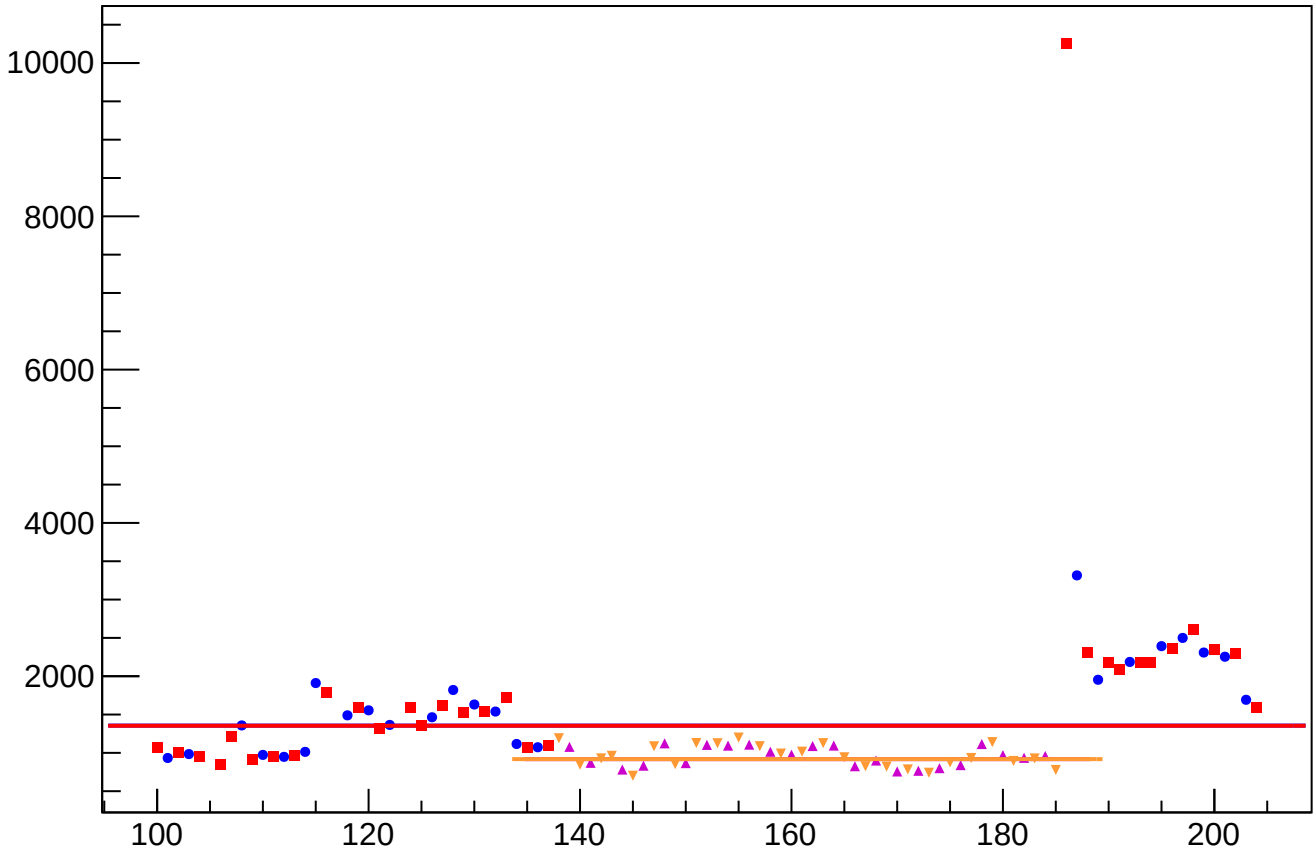
Left: -427.993+/-151.624 χ^2/NDF: 87.0/47

Right: 373.478+/-271.896 χ^2/NDF: 60.7/53

In: -9.906+/-190.538 χ^2/NDF:53.7/46

Out: -450.882+/-184.179 χ^2/NDF:97.9/54

All: -237.875+/-132.425 χ^2/NDF: 154.4/101



Right In: 1355.874+/-0.281 χ^2/NDF: 2886451.7/23

Left Out: 918.501+/-0.150 χ^2/NDF:887820.0/24

Right Out: 1353.691+/-0.264 χ^2/NDF: 4290285.4/29

Left In: 918.214+/-0.154 χ^2/NDF:666262.3/22

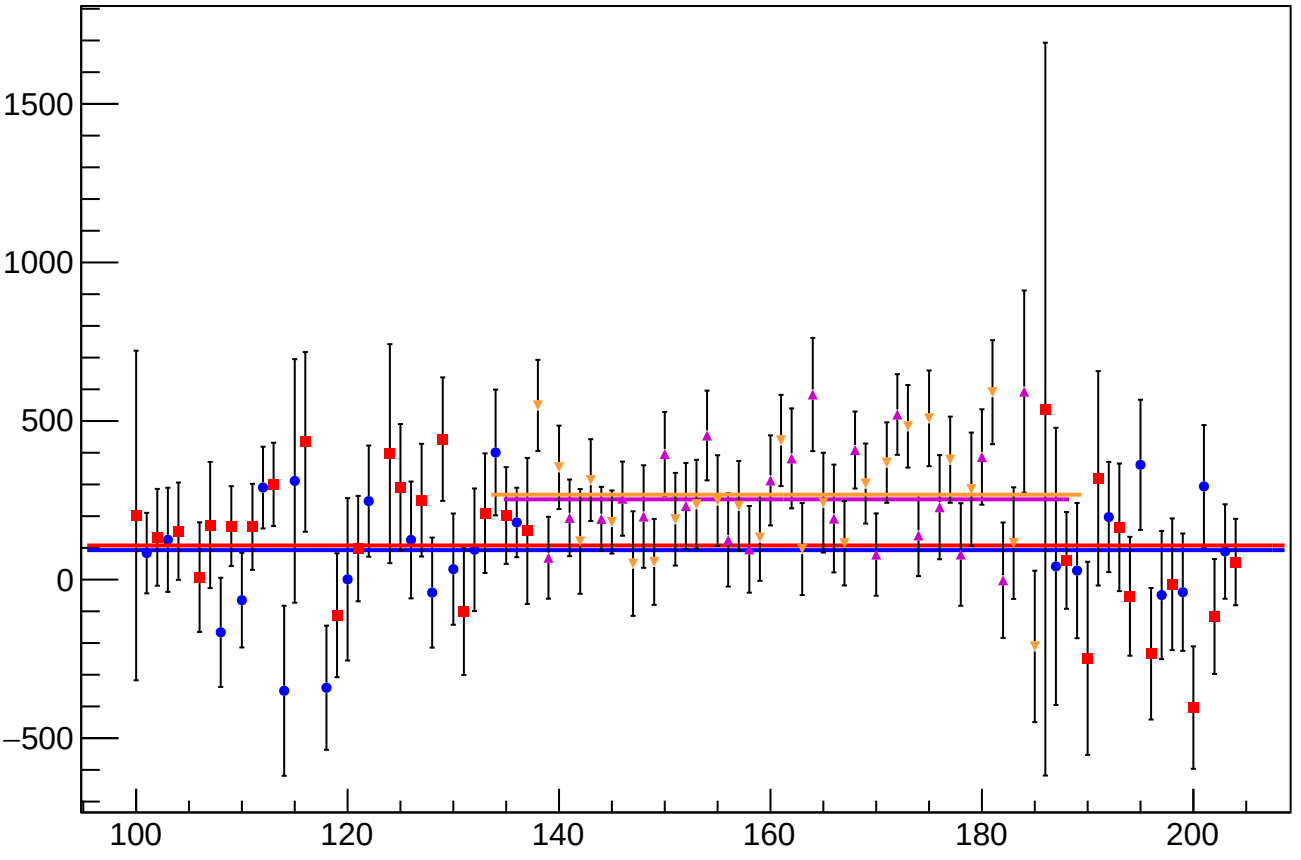
Left: 918.361+/-0.107 χ^2/NDF: 1554084.1/47

Right: 1354.714+/-0.192 χ^2/NDF: 7176769.2/53

In: 1018.960+/-0.135 χ^2/NDF:5422592.7/46

Out: 1024.587+/-0.130 χ^2/NDF:7236559.2/54

All: 1021.869+/-0.094 χ^2/NDF: 12660053.6/1



Right In: 92.854+/-35.969 χ^2/NDF: 22.7/23

Left Out: 267.791+/-28.407 χ^2/NDF:31.0/24

Right Out: 107.576+/-33.742 χ^2/NDF: 27.2/29

Left In: 253.051+/-29.313 χ^2/NDF:26.2/22

Left: 260.652+/-20.400 χ^2/NDF: 57.3/47

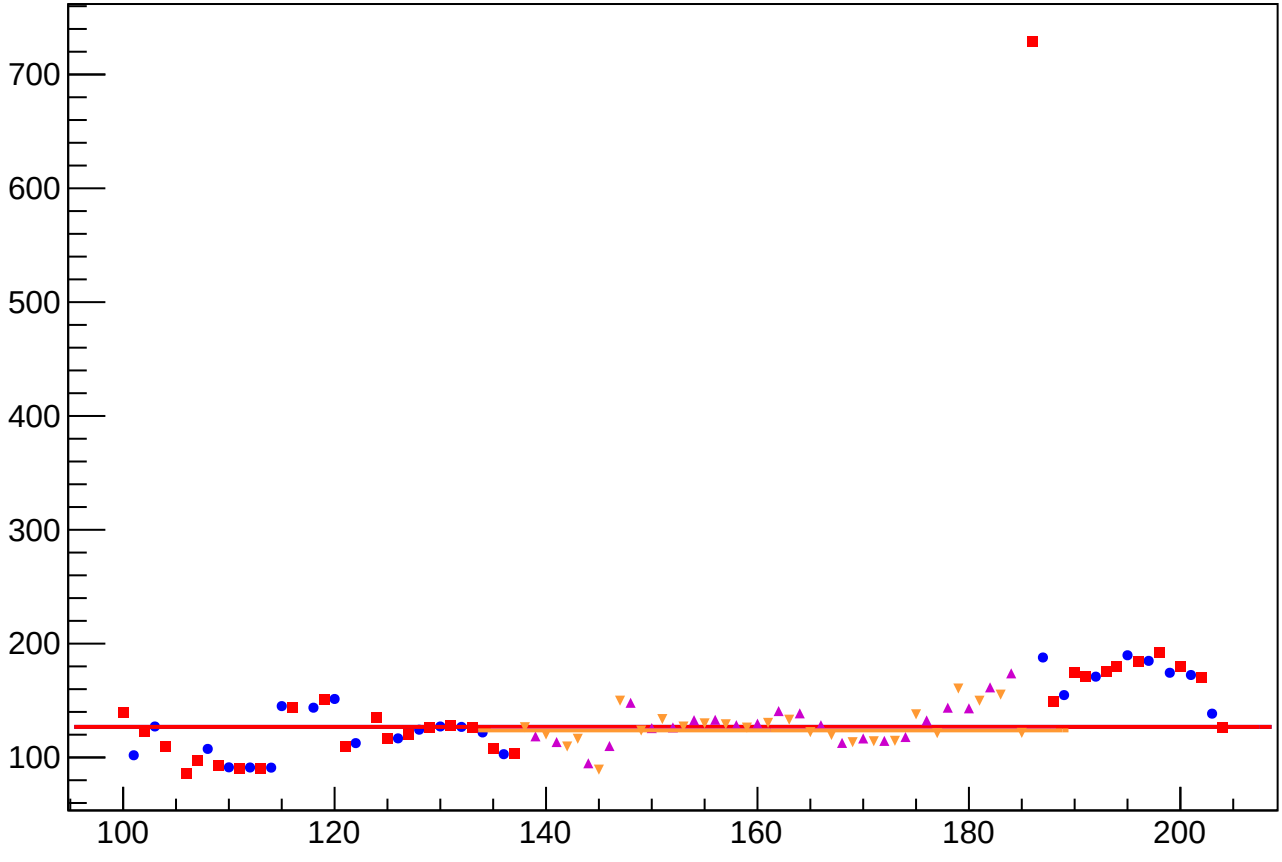
Right: 100.685+/-24.609 χ^2/NDF: 50.0/53

In: 189.118+/-22.723 χ^2/NDF:60.8/46

Out: 201.335+/-21.731 χ^2/NDF:71.4/54

All: 195.499+/-15.705 χ^2/NDF: 132.4/101

cor_asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 126.850+/-0.025 χ^2/NDF: 1369742.5/23

Left Out: 123.807+/-0.020 χ^2/NDF:598444.2/24

Right Out: 126.845+/-0.024 χ^2/NDF: 2310265.3/29

Left In: 124.259+/-0.021 χ^2/NDF:557214.9/22

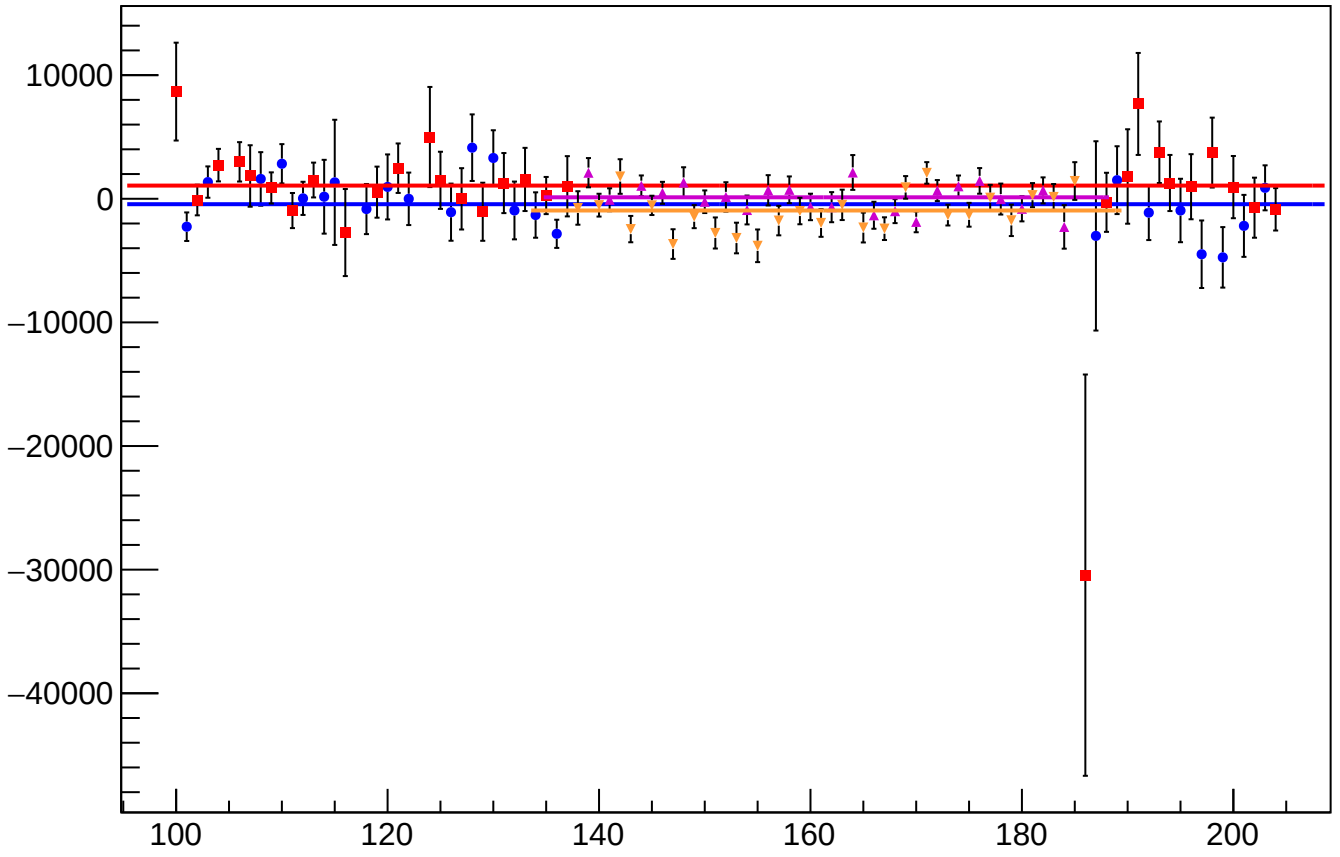
Left: 124.026+/-0.014 χ^2/NDF: 1155903.8/47

Right: 126.847+/-0.017 χ^2/NDF: 3680007.9/53

In: 125.293+/-0.016 χ^2/NDF:1933195.8/46

Out: 125.067+/-0.015 χ^2/NDF:2918192.8/54

All: 125.175+/-0.011 χ^2/NDF: 4851491.8/101



Right In: -439.165+/-397.135 χ^2/NDF: 27.7/23

Left Out: -947.709+/-211.794 χ^2/NDF:50.3/24

Right Out: 1066.472+/-373.540 χ^2/NDF: 24.5/29

Left In: 118.435+/-217.165 χ^2/NDF:24.4/22

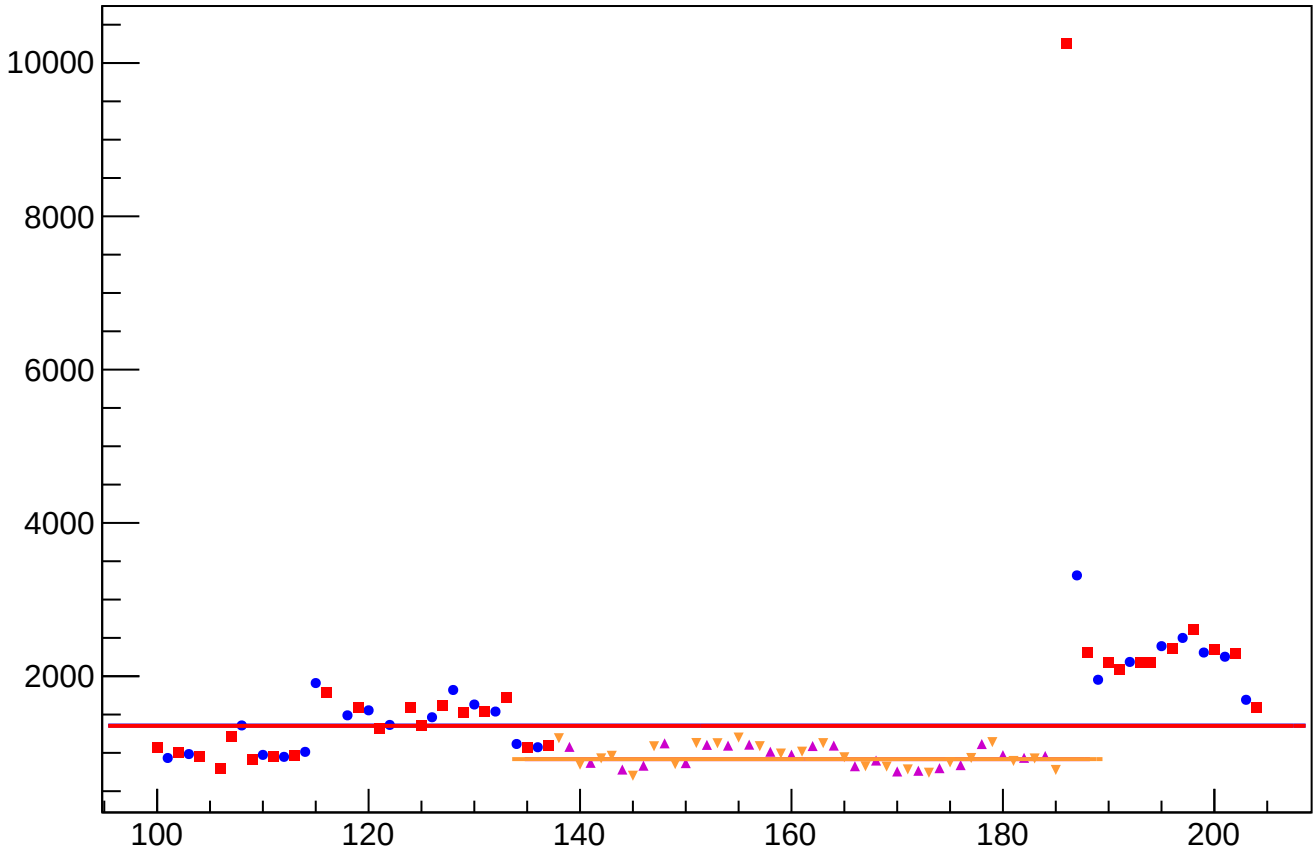
Left: -427.986+/-151.624 χ^2/NDF: 87.0/47

Right: 359.707+/-272.092 χ^2/NDF: 59.8/53

In: -9.919+/-190.538 χ^2/NDF:53.7/46

Out: -457.716+/-184.240 χ^2/NDF:96.7/54

All: -241.341+/-132.448 χ^2/NDF: 153.2/101



Right In: 1355.884+/-0.281 χ^2/NDF: 2886378.2/23

Left Out: 918.501+/-0.150 χ^2/NDF:887819.5/24

Right Out: 1352.301+/-0.264 χ^2/NDF: 4322541.2/29

Left In: 918.214+/-0.154 χ^2/NDF:666263.4/22

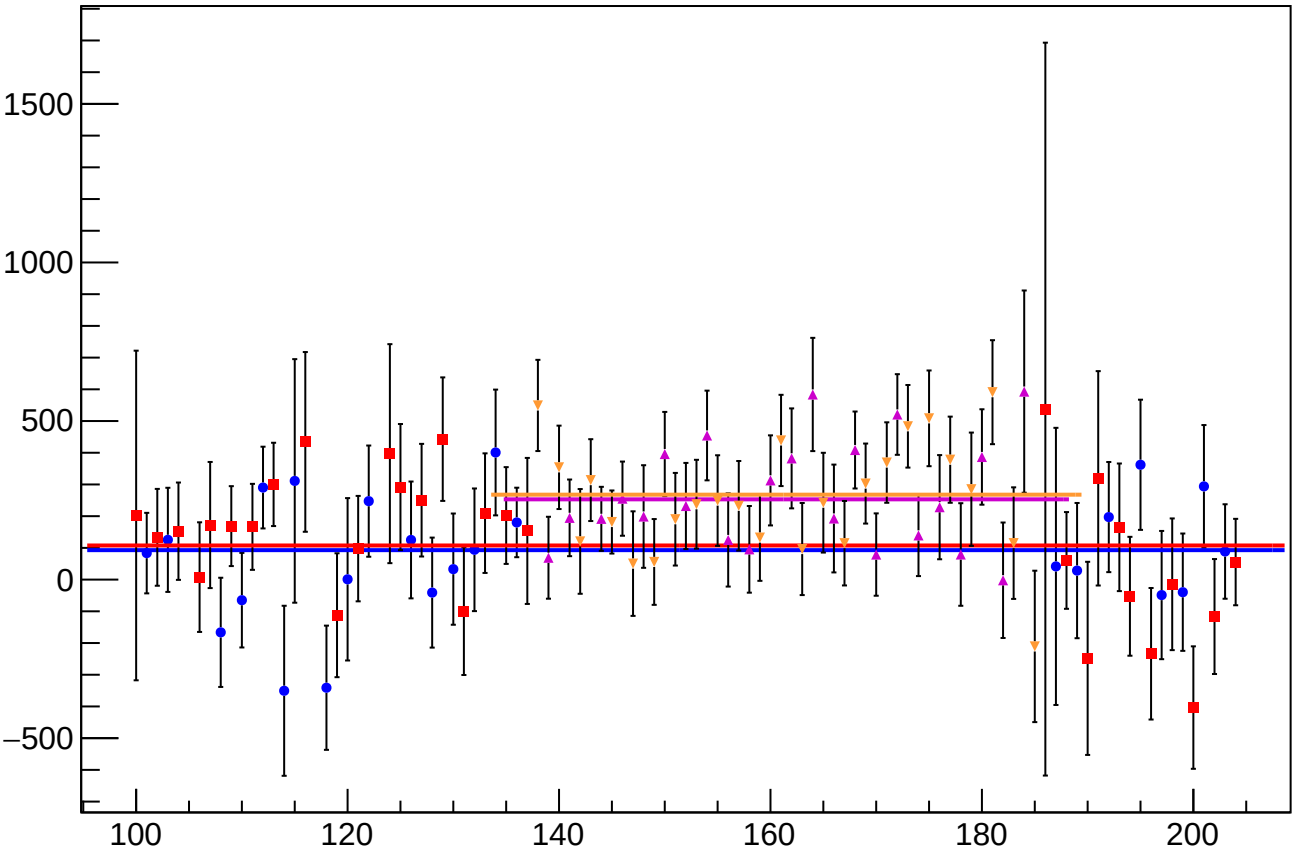
Left: 918.361+/-0.107 χ^2/NDF: 1554084.7/47

Right: 1353.983+/-0.192 χ^2/NDF: 7209005.8/53

In: 1018.962+/-0.135 χ^2/NDF:5422588.0/46

Out: 1024.033+/-0.130 χ^2/NDF:7251511.6/54

All: 1021.582+/-0.094 χ^2/NDF: 12674831.7/1



Right In: 92.854+/-35.969 χ^2/NDF: 22.7/23

Left Out: 267.791+/-28.407 χ^2/NDF:31.0/24

Right Out: 107.576+/-33.742 χ^2/NDF: 27.2/29

Left In: 253.051+/-29.313 χ^2/NDF:26.2/22

Left: 260.652+/-20.400 χ^2/NDF: 57.3/47

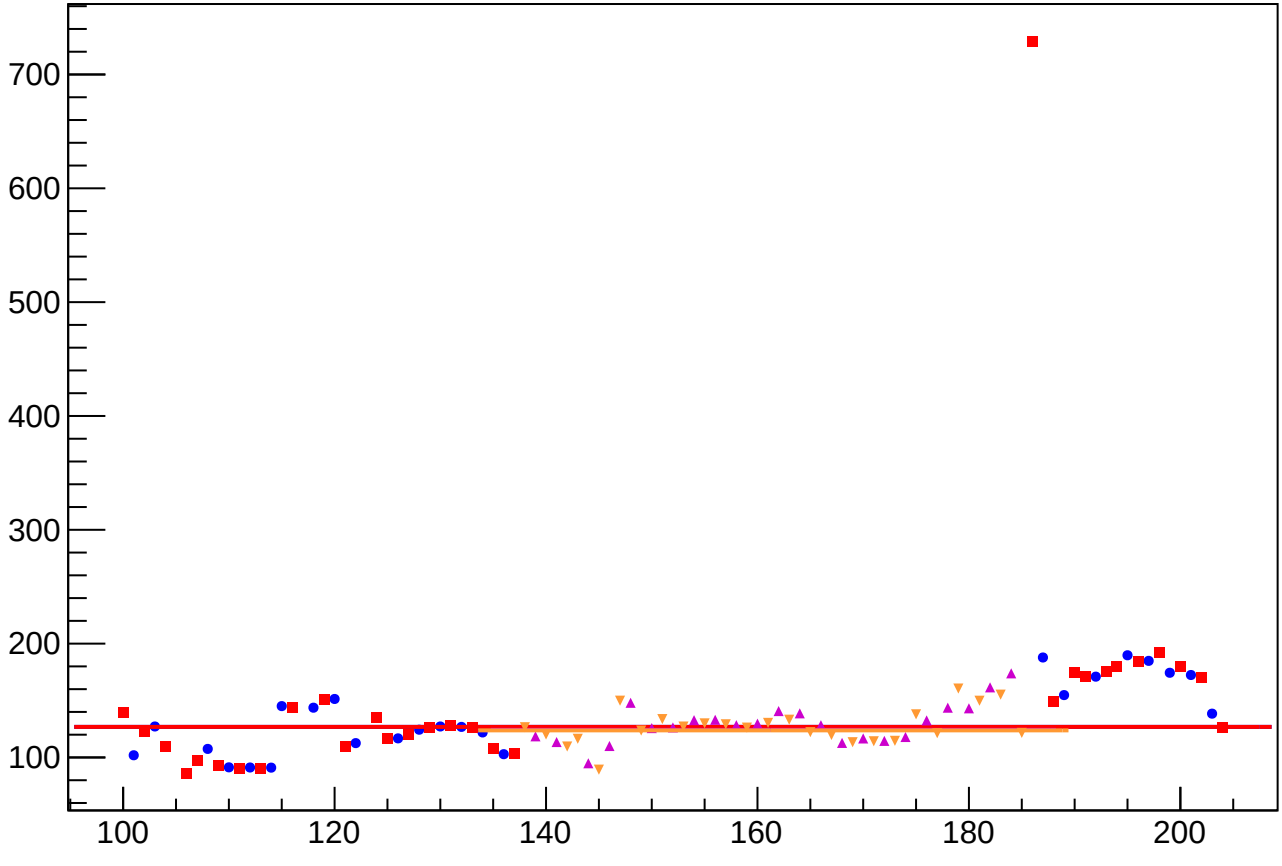
Right: 100.685+/-24.609 χ^2/NDF: 50.0/53

In: 189.118+/-22.723 χ^2/NDF:60.8/46

Out: 201.335+/-21.731 χ^2/NDF:71.4/54

All: 195.499+/-15.705 χ^2/NDF: 132.4/101

eigen_cor_asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 126.850+/-0.025 χ^2/NDF: 1369742.5/23

Left Out: 123.807+/-0.020 χ^2/NDF:598444.2/24

Right Out: 126.845+/-0.024 χ^2/NDF: 2310265.3/29

Left In: 124.259+/-0.021 χ^2/NDF:557214.9/22

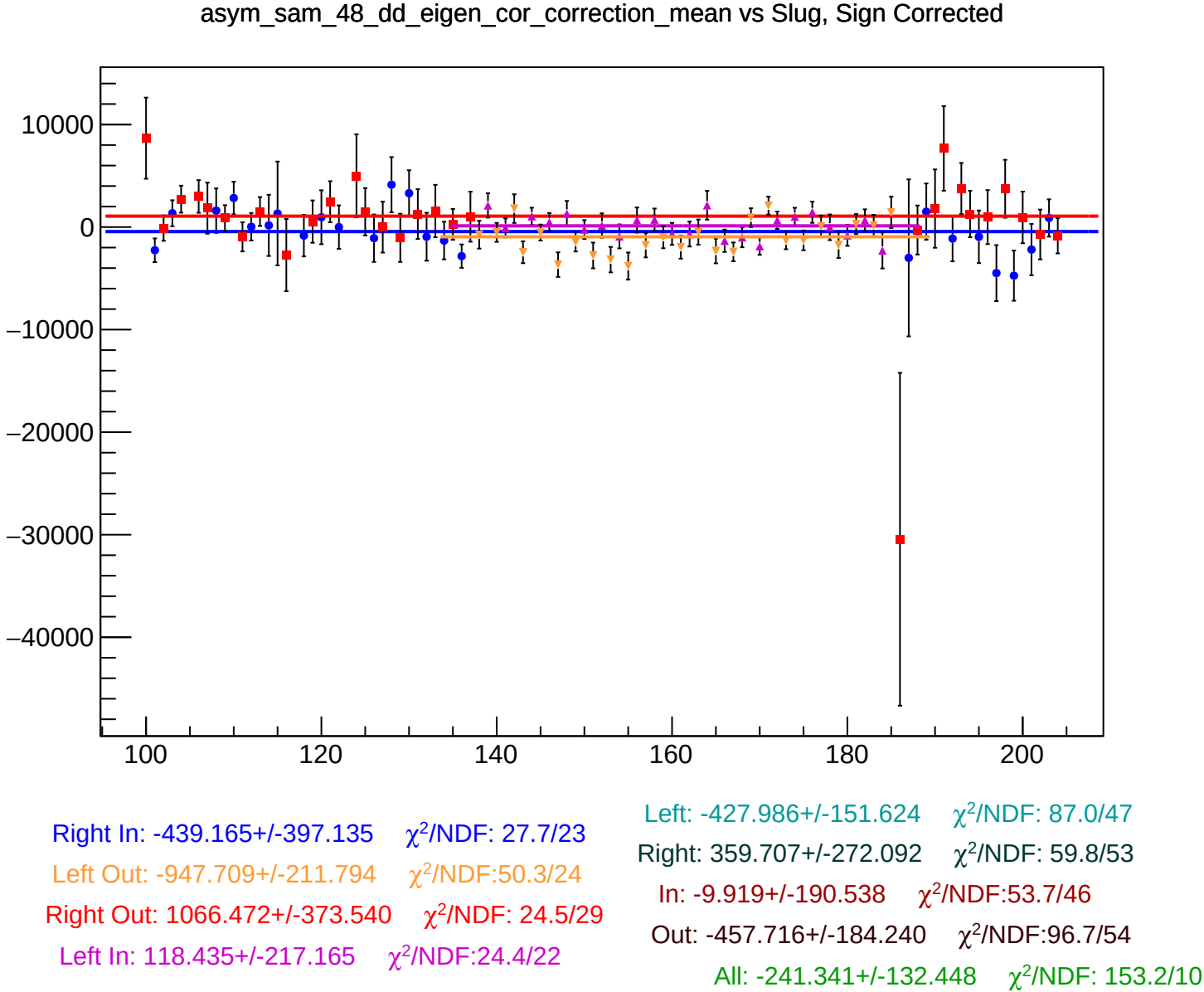
Left: 124.026+/-0.014 χ^2/NDF: 1155903.8/47

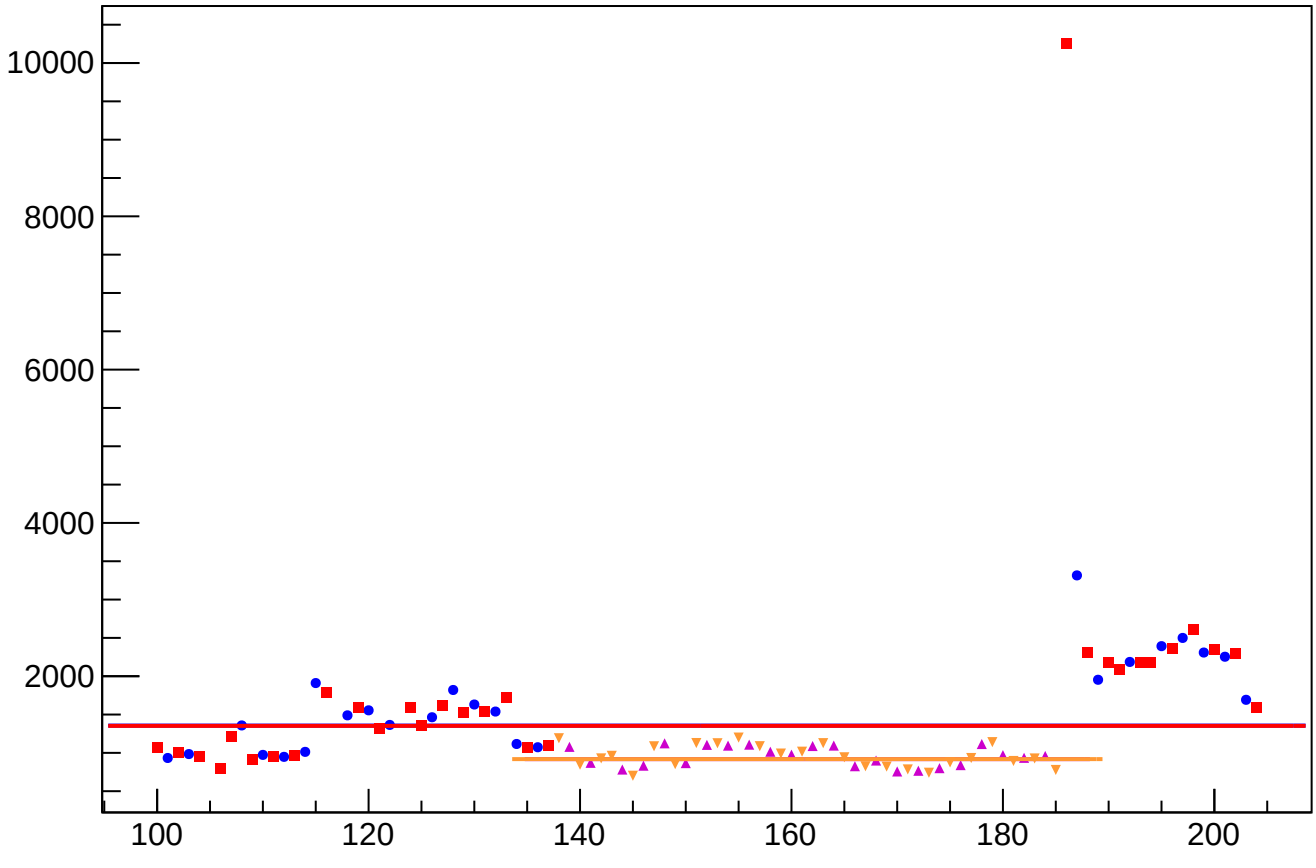
Right: 126.847+/-0.017 χ^2/NDF: 3680007.9/53

In: 125.293+/-0.016 χ^2/NDF:1933195.8/46

Out: 125.067+/-0.015 χ^2/NDF:2918192.8/54

All: 125.175+/-0.011 χ^2/NDF: 4851491.8/101


asym_sam_48_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
Right In: -439.165+/-397.135 χ²/NDF: 27.7/23
Left Out: -947.709+/-211.794 χ²/NDF:50.3/24
Right Out: 1066.472+/-373.540 χ²/NDF: 24.5/29
Left In: 118.435+/-217.165 χ²/NDF:24.4/22
Left: -427.986+/-151.624 χ²/NDF: 87.0/47
Right: 359.707+/-272.092 χ²/NDF: 59.8/53
In: -9.919+/-190.538 χ²/NDF:53.7/46
Out: -457.716+/-184.240 χ²/NDF:96.7/54
All: -241.341+/-132.448 χ²/NDF: 153.2/101



Right In: 1355.884+/-0.281 χ^2/NDF: 2886378.2/23

Left Out: 918.501+/-0.150 χ^2/NDF:887819.5/24

Right Out: 1352.301+/-0.264 χ^2/NDF: 4322541.2/29

Left In: 918.214+/-0.154 χ^2/NDF:666263.4/22

Left: 918.361+/-0.107 χ^2/NDF: 1554084.7/47

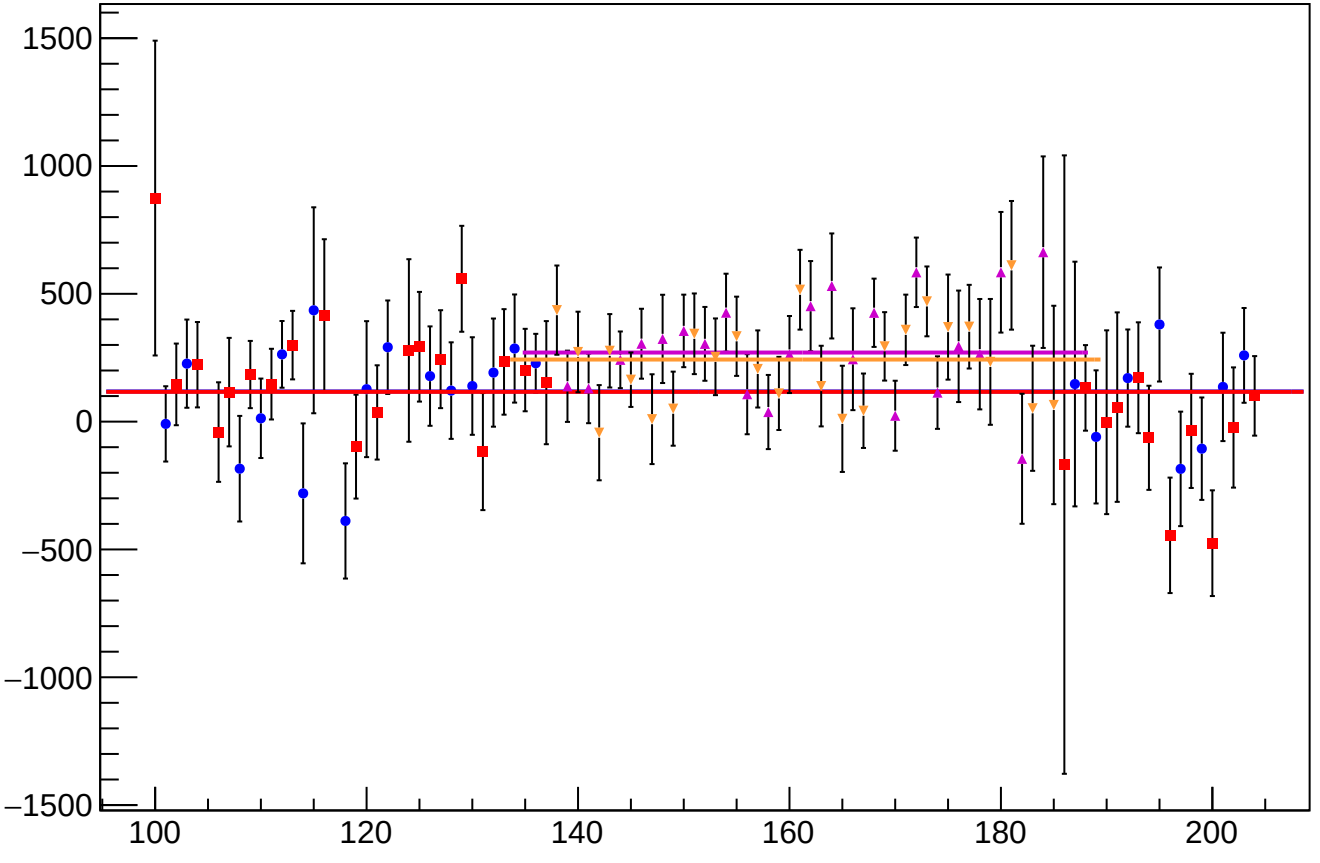
Right: 1353.983+/-0.192 χ^2/NDF: 7209005.8/53

In: 1018.962+/-0.135 χ^2/NDF:5422588.0/46

Out: 1024.033+/-0.130 χ^2/NDF:7251511.6/54

All: 1021.582+/-0.094 χ^2/NDF: 12674831.7/1

dit_asym_sam_48_dd_mean vs Slug, Sign Corrected



Right In: 117.971+/-39.171 χ^2/NDF: 21.0/23

Left Out: 242.890+/-32.138 χ^2/NDF:23.7/24

Right Out: 116.586+/-36.407 χ^2/NDF: 30.9/29

Left In: 270.243+/-32.893 χ^2/NDF:26.7/22

Left: 256.249+/-22.987 χ^2/NDF: 50.7/47

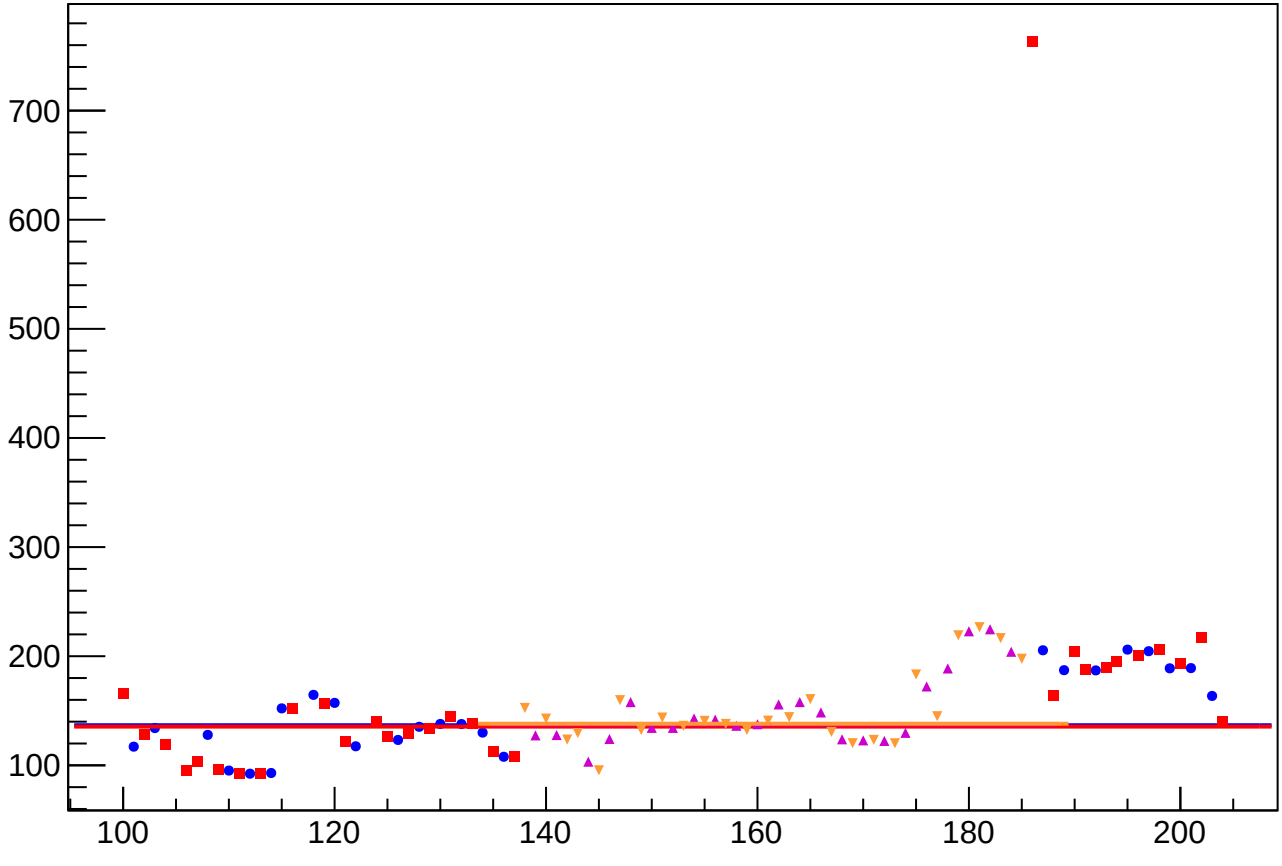
Right: 117.228+/-26.667 χ^2/NDF: 51.9/53

In: 207.273+/-25.190 χ^2/NDF:56.6/46

Out: 187.572+/-24.094 χ^2/NDF:61.3/54

All: 196.985+/-17.411 χ^2/NDF: 118.2/101

dit_asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 136.739+/-0.028 χ^2/NDF: 1603170.5/23

Left Out: 138.127+/-0.023 χ^2/NDF:1338308.5/24

Right Out: 135.497+/-0.026 χ^2/NDF: 2620592.3/29

Left In: 137.491+/-0.023 χ^2/NDF:1109333.5/22

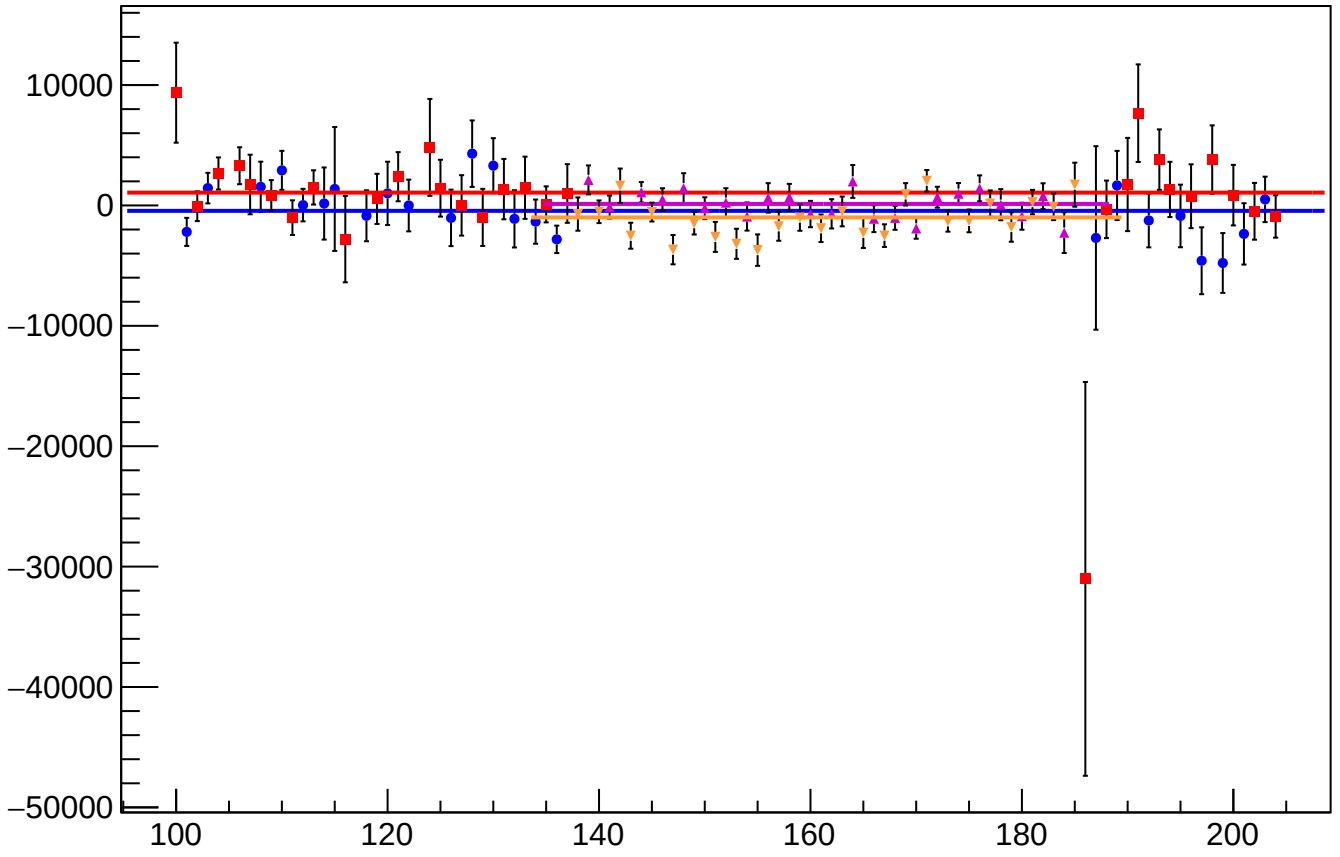
Left: 137.817+/-0.016 χ^2/NDF: 2448024.6/47

Right: 136.072+/-0.019 χ^2/NDF: 4224842.3/53

In: 137.180+/-0.018 χ^2/NDF:2712936.7/46

Out: 136.975+/-0.017 χ^2/NDF:3964770.0/54

All: 137.073+/-0.012 χ^2/NDF: 6677775.9/101



Right In: -449.865+/-401.270 χ^2/NDF: 27.6/23

Left Out: -993.237+/-215.652 χ^2/NDF:46.9/24

Right Out: 1064.057+/-375.482 χ^2/NDF: 25.3/29

Left In: 124.857+/-221.367 χ^2/NDF:23.9/22

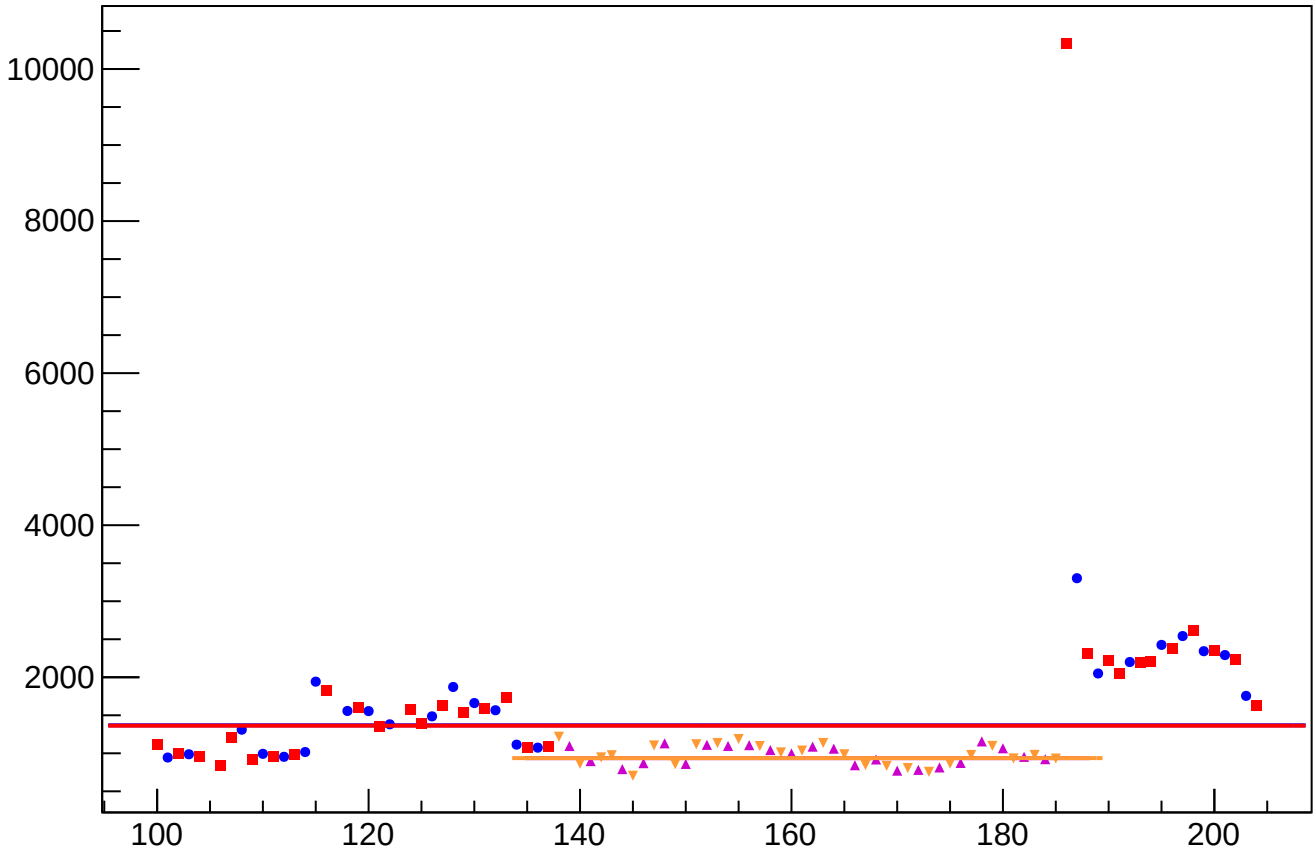
Left: -448.808+/-154.470 χ^2/NDF: 83.9/47

Right: 357.303+/-274.170 χ^2/NDF: 60.5/53

In: -9.240+/-193.829 χ^2/NDF:53.0/46

Out: -482.944+/-187.004 χ^2/NDF:94.8/54

All: -254.578+/-134.580 χ^2/NDF: 150.9/101



Right In: 1368.225+/-0.284 χ^2/NDF: 2972281.0/23

Left Out: 936.743+/-0.152 χ^2/NDF:832449.3/24

Right Out: 1363.308+/-0.266 χ^2/NDF: 4285923.2/29

Left In: 936.380+/-0.157 χ^2/NDF:642749.3/22

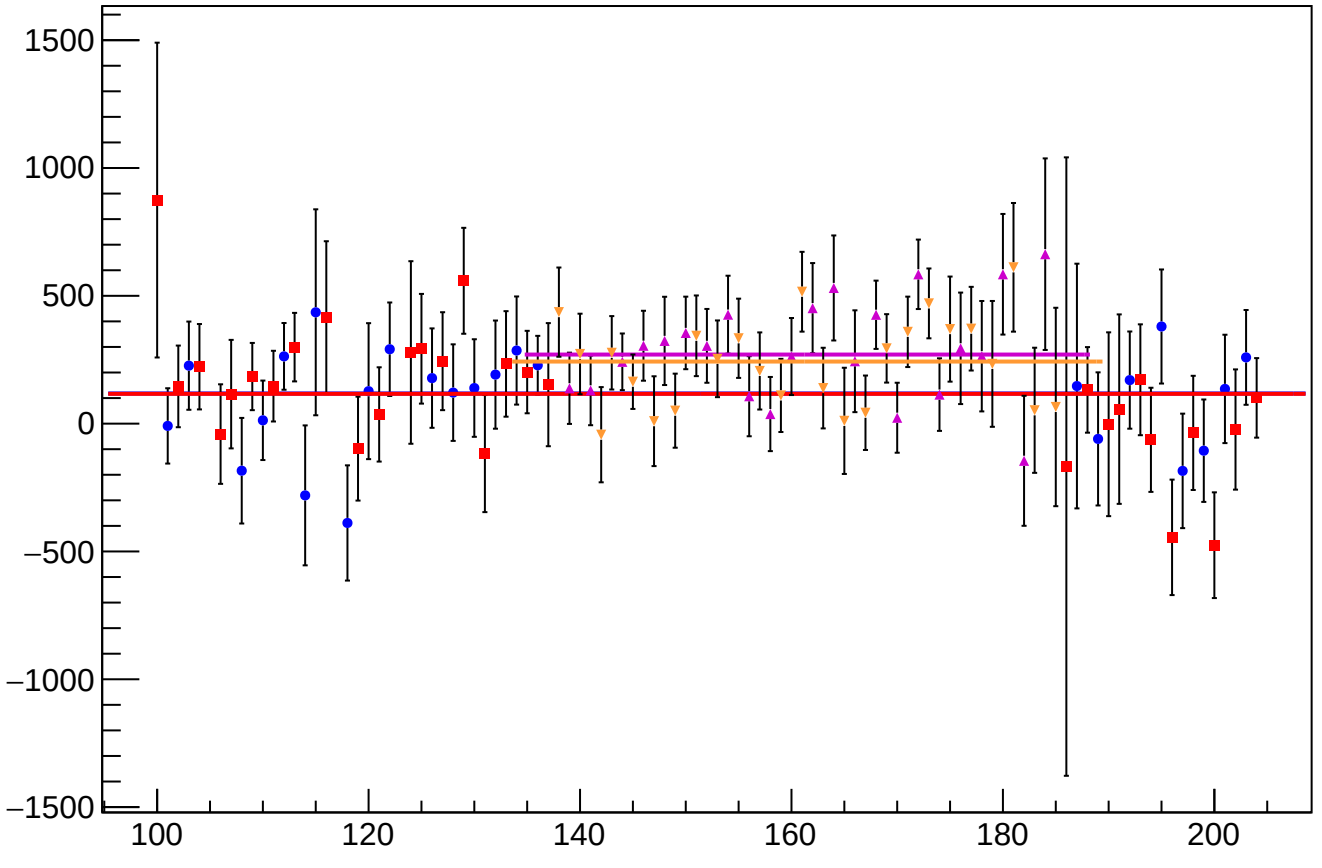
Left: 936.567+/-0.109 χ^2/NDF: 1475201.4/47

Right: 1365.603+/-0.194 χ^2/NDF: 7258364.2/53

In: 1037.141+/-0.137 χ^2/NDF:5390943.0/46

Out: 1042.549+/-0.132 χ^2/NDF:7059328.8/54

All: 1039.942+/-0.095 χ^2/NDF: 12451078.3/1



Right In: 117.973+/-39.171 χ^2/NDF: 21.0/23

Left Out: 242.892+/-32.138 χ^2/NDF:23.7/24

Right Out: 116.586+/-36.407 χ^2/NDF: 30.9/29

Left In: 270.244+/-32.893 χ^2/NDF:26.7/22

Left: 256.251+/-22.987 χ^2/NDF: 50.7/47

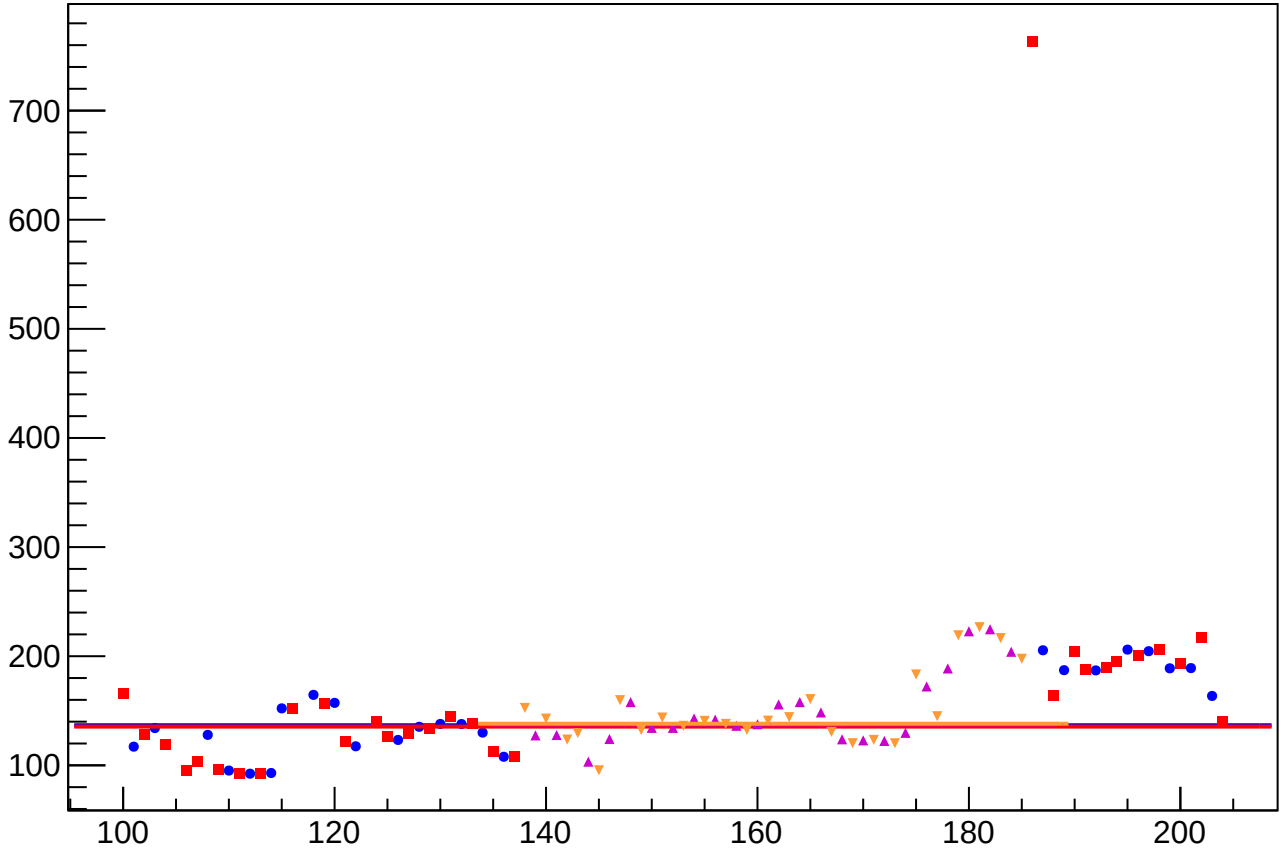
Right: 117.229+/-26.667 χ^2/NDF: 51.9/53

In: 207.275+/-25.190 χ^2/NDF:56.6/46

Out: 187.574+/-24.094 χ^2/NDF:61.3/54

All: 196.986+/-17.411 χ^2/NDF: 118.2/101

eigen_dit_asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 136.739+/-0.028 χ^2/NDF: 1603158.0/23

Left Out: 138.127+/-0.023 χ^2/NDF:1338311.7/24

Right Out: 135.497+/-0.026 χ^2/NDF: 2620599.1/29

Left In: 137.491+/-0.023 χ^2/NDF:1109319.8/22

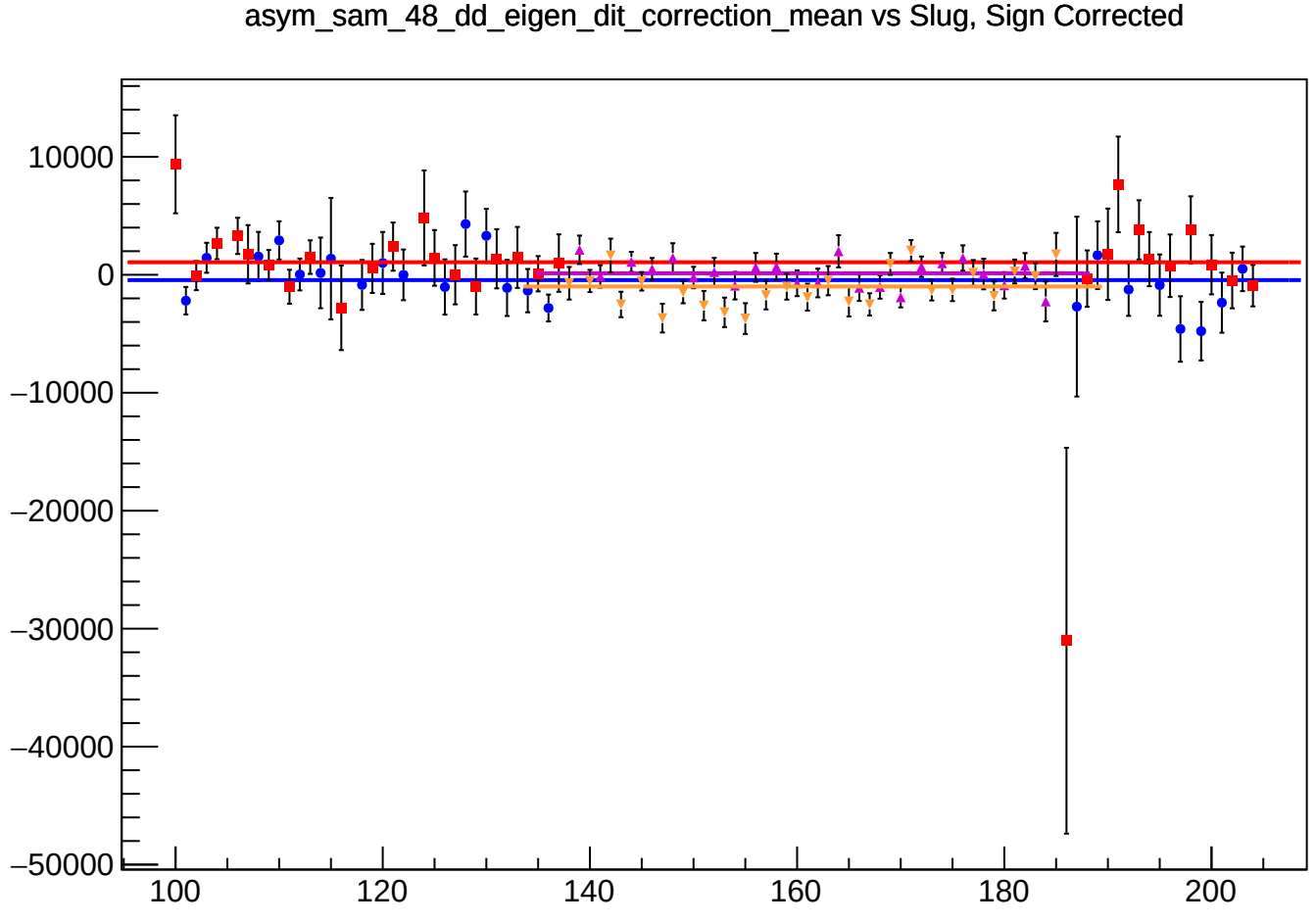
Left: 137.817+/-0.016 χ^2/NDF: 2448014.1/47

Right: 136.072+/-0.019 χ^2/NDF: 4224836.5/53

In: 137.180+/-0.018 χ^2/NDF:2712910.5/46

Out: 136.975+/-0.017 χ^2/NDF:3964780.1/54

All: 137.073+/-0.012 χ^2/NDF: 6677759.7/101



Right In: -449.864+/-401.270 χ^2/NDF: 27.6/23

Left Out: -993.235+/-215.652 χ^2/NDF:46.9/24

Right Out: 1064.057+/-375.482 χ^2/NDF: 25.3/29

Left In: 124.856+/-221.366 χ^2/NDF:23.9/22

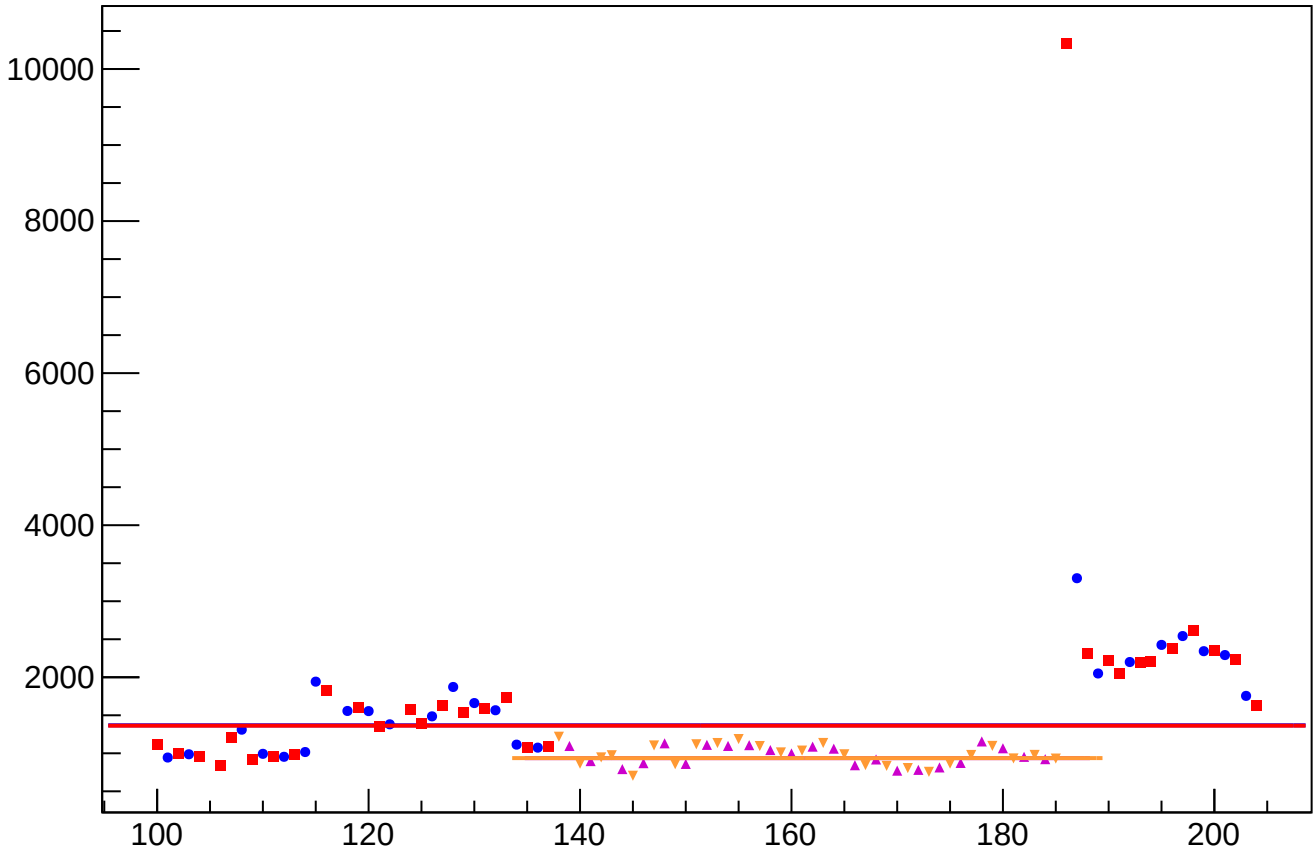
Left: -448.807+/-154.470 χ^2/NDF: 83.9/47

Right: 357.303+/-274.170 χ^2/NDF: 60.5/53

In: -9.241+/-193.828 χ^2/NDF:53.0/46

Out: -482.943+/-187.004 χ^2/NDF:94.8/54

All: -254.578+/-134.580 χ^2/NDF: 150.9/101



Right In: 1368.224+/-0.284 χ^2/NDF: 2972275.2/23

Left Out: 936.742+/-0.152 χ^2/NDF:832452.0/24

Right Out: 1363.308+/-0.266 χ^2/NDF: 4285914.9/29

Left In: 936.379+/-0.157 χ^2/NDF:642748.0/22

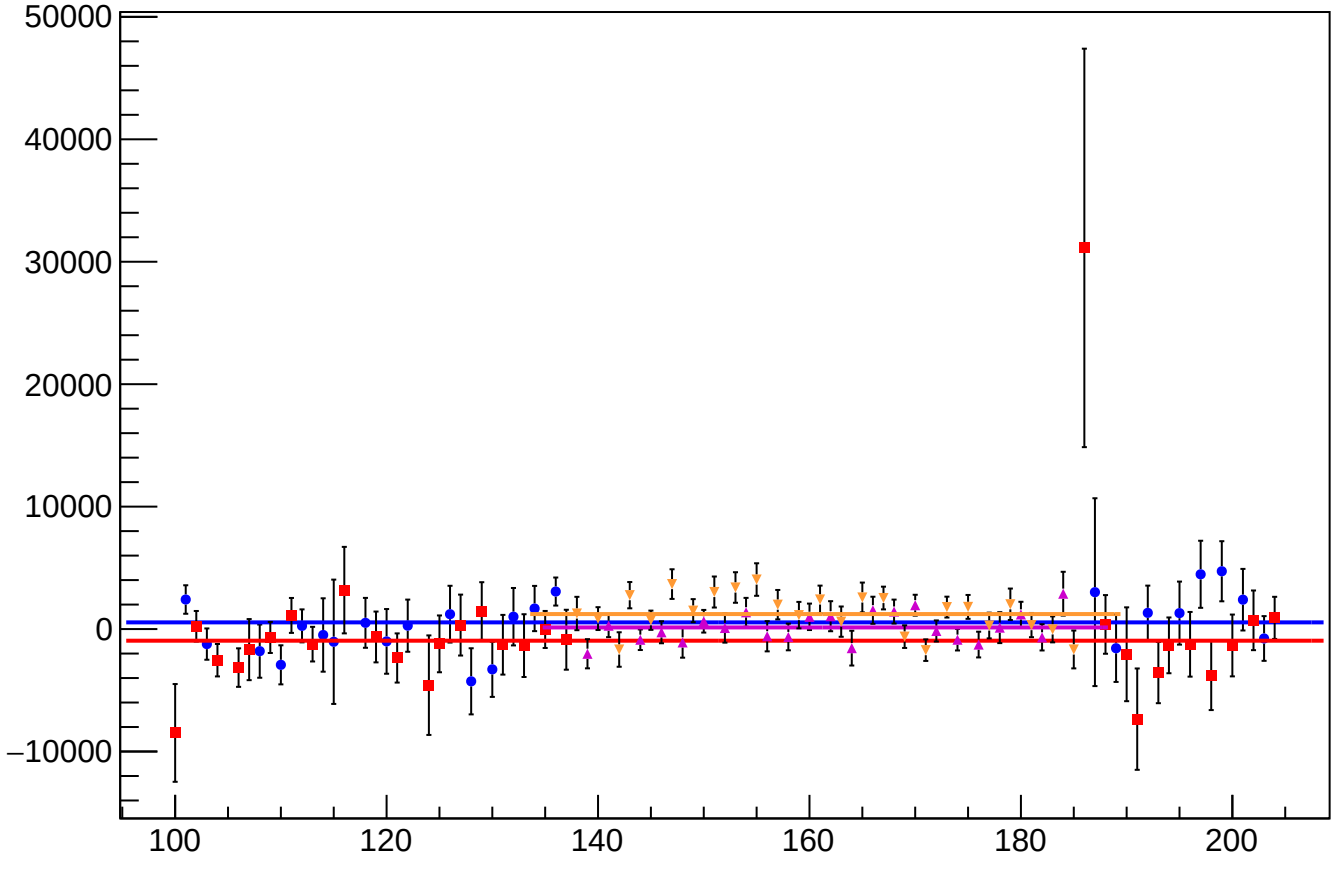
Left: 936.566+/-0.109 χ^2/NDF: 1475202.7/47

Right: 1365.603+/-0.194 χ^2/NDF: 7258350.2/53

In: 1037.140+/-0.137 χ^2/NDF:5390942.7/46

Out: 1042.548+/-0.132 χ^2/NDF:7059331.1/54

All: 1039.941+/-0.095 χ^2/NDF: 12451080.1/1



Right In: 546.365+/-399.089 χ^2/NDF: 29.4/23

Left Out: 1225.521+/-213.843 χ^2/NDF:48.5/24

Right Out: -949.990+/-374.914 χ^2/NDF: 25.0/29

Left In: 132.834+/-219.278 χ^2/NDF:25.8/22

Left: 692.887+/-153.095 χ^2/NDF: 87.1/47

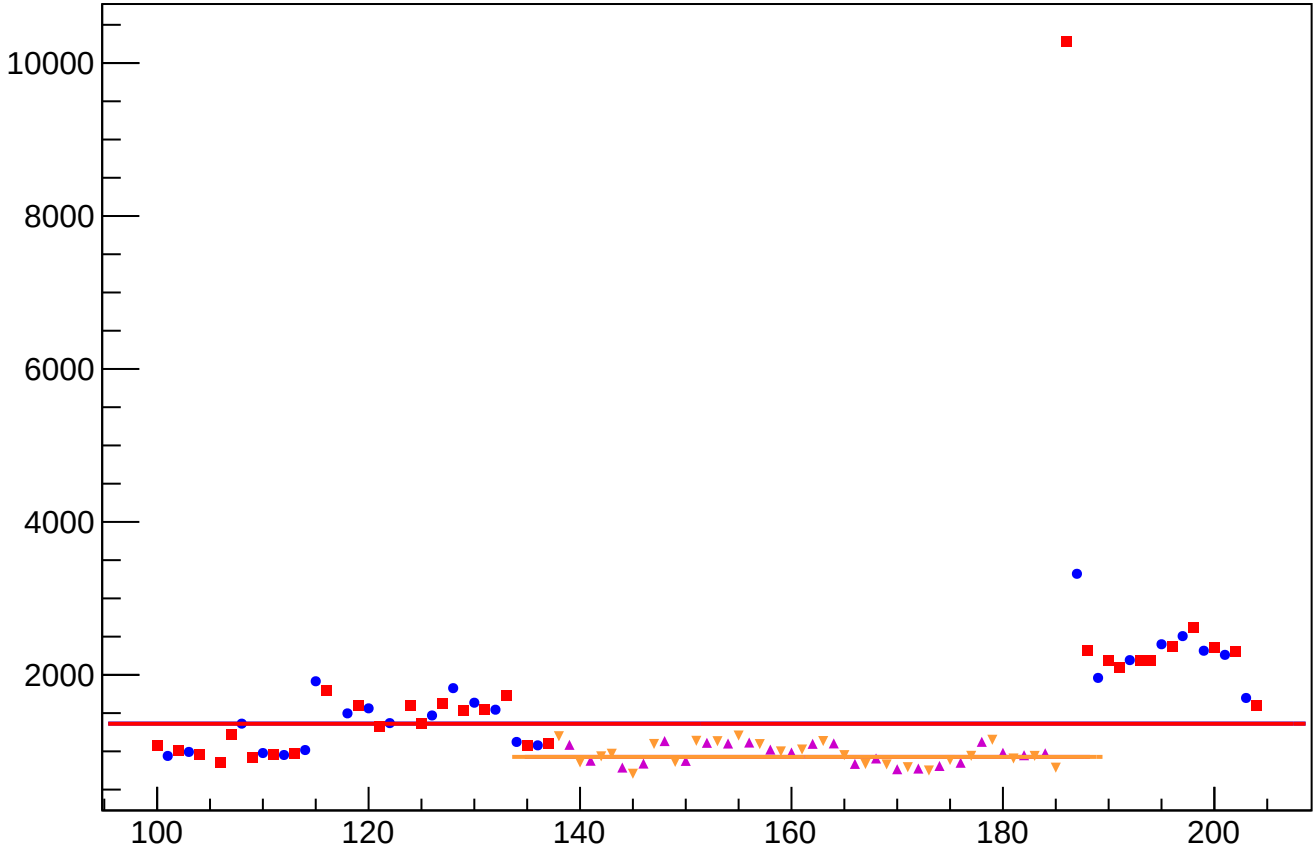
Right: -248.504+/-273.252 χ^2/NDF: 61.8/53

In: 228.726+/-192.180 χ^2/NDF:56.0/46

Out: 691.494+/-185.752 χ^2/NDF:98.9/54

All: 467.979+/-133.561 χ^2/NDF: 157.9/101

asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 1363.132+/-0.282 χ^2/NDF: 2866868.1/23

Left Out: 927.610+/-0.151 χ^2/NDF:875127.3/24

Right Out: 1360.962+/-0.265 χ^2/NDF: 4266326.5/29

Left In: 927.321+/-0.155 χ^2/NDF:656539.8/22

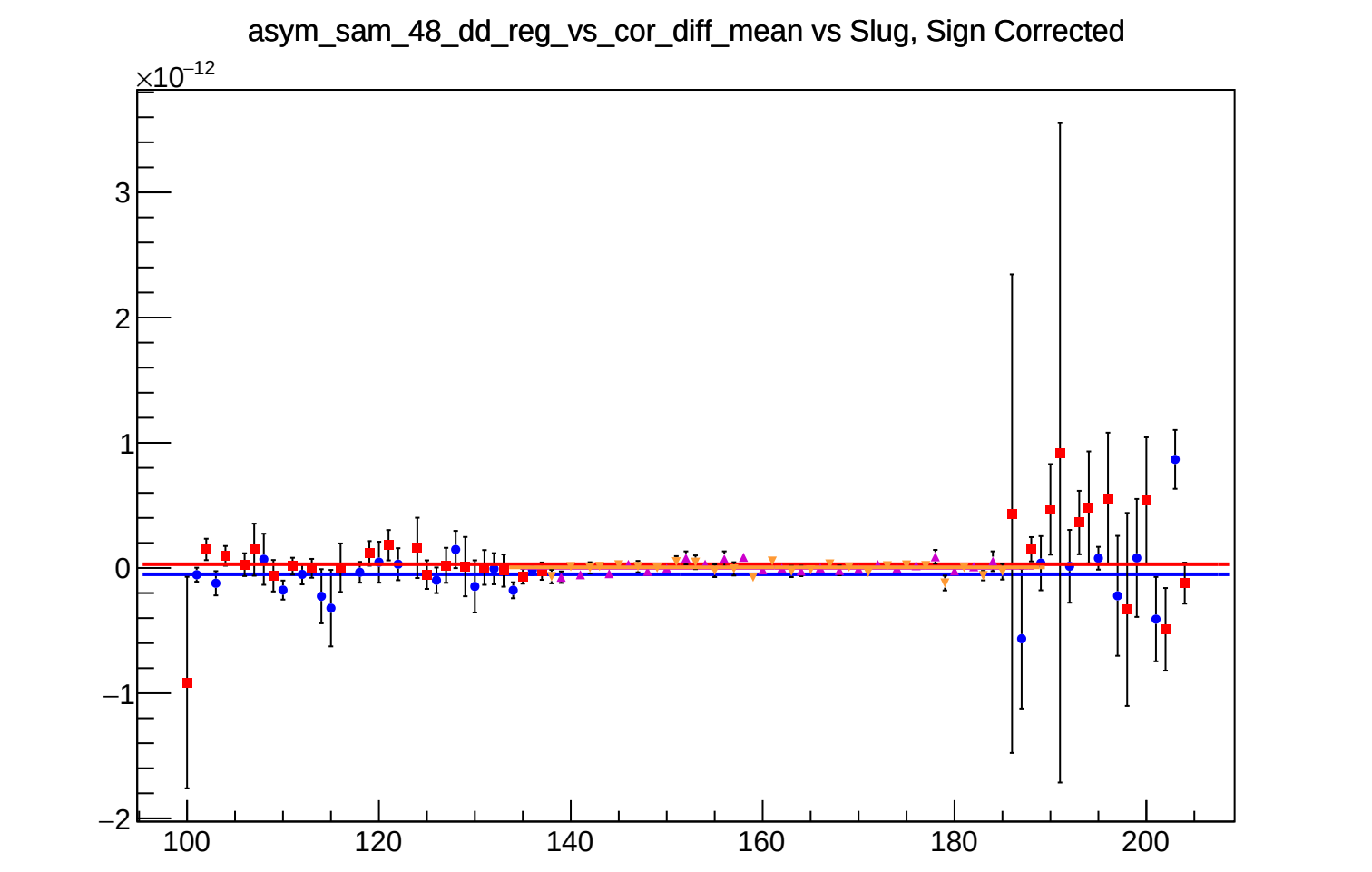
Left: 927.469+/-0.108 χ^2/NDF: 1531668.9/47

Right: 1361.980+/-0.193 χ^2/NDF: 7133226.0/53

In: 1028.380+/-0.136 χ^2/NDF:5355353.1/46

Out: 1033.985+/-0.131 χ^2/NDF:7157611.6/54

All: 1031.278+/-0.094 χ^2/NDF: 12513844.5/1



Right In: -0.000+/-0.000 χ^2/NDF: 32.6/23

Left Out: 0.000+/-0.000 χ^2/NDF:25.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 23.1/29

Left In: 0.000+/-0.000 χ^2/NDF:27.7/22

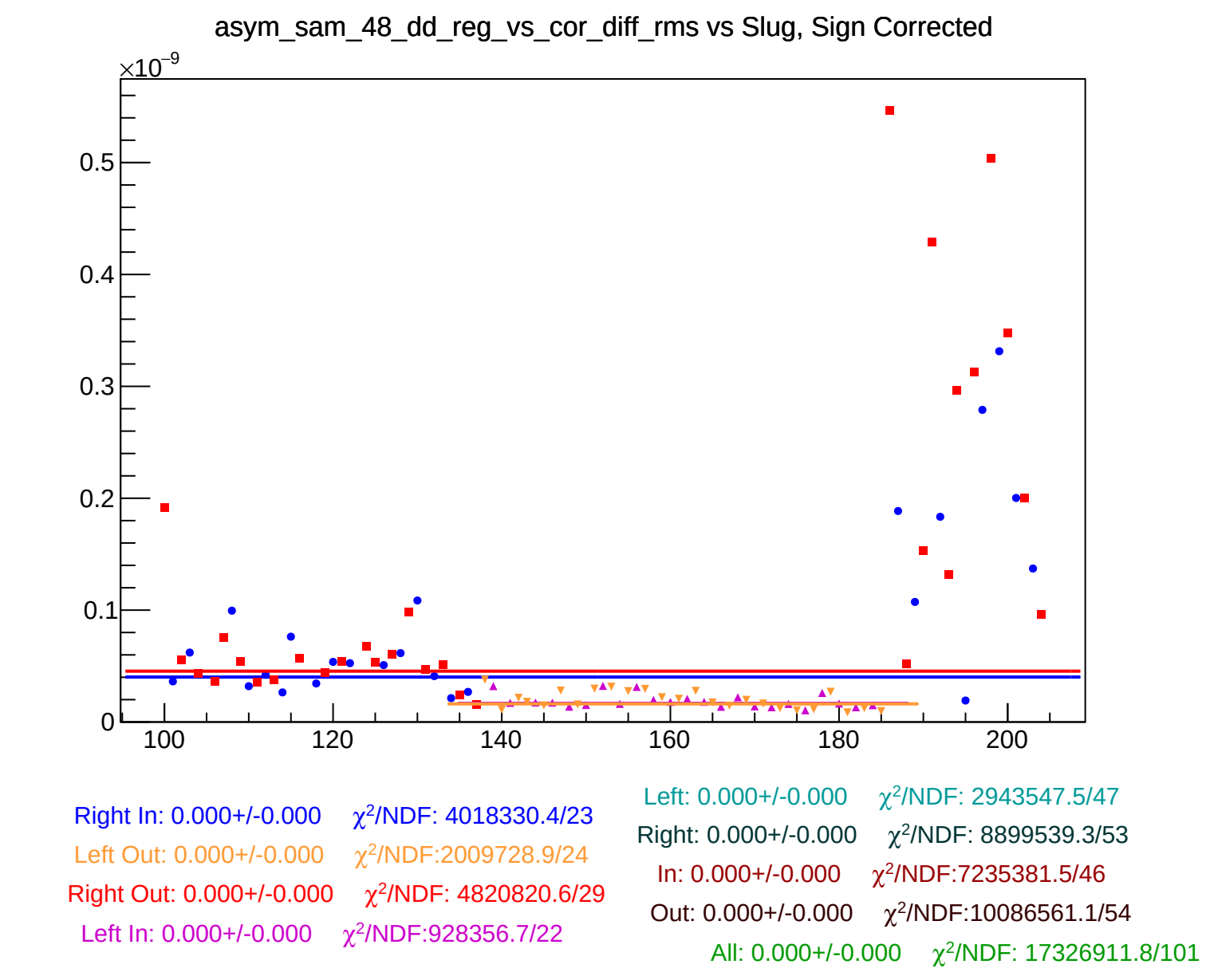
Left: 0.000+/-0.000 χ^2/NDF: 53.3/47

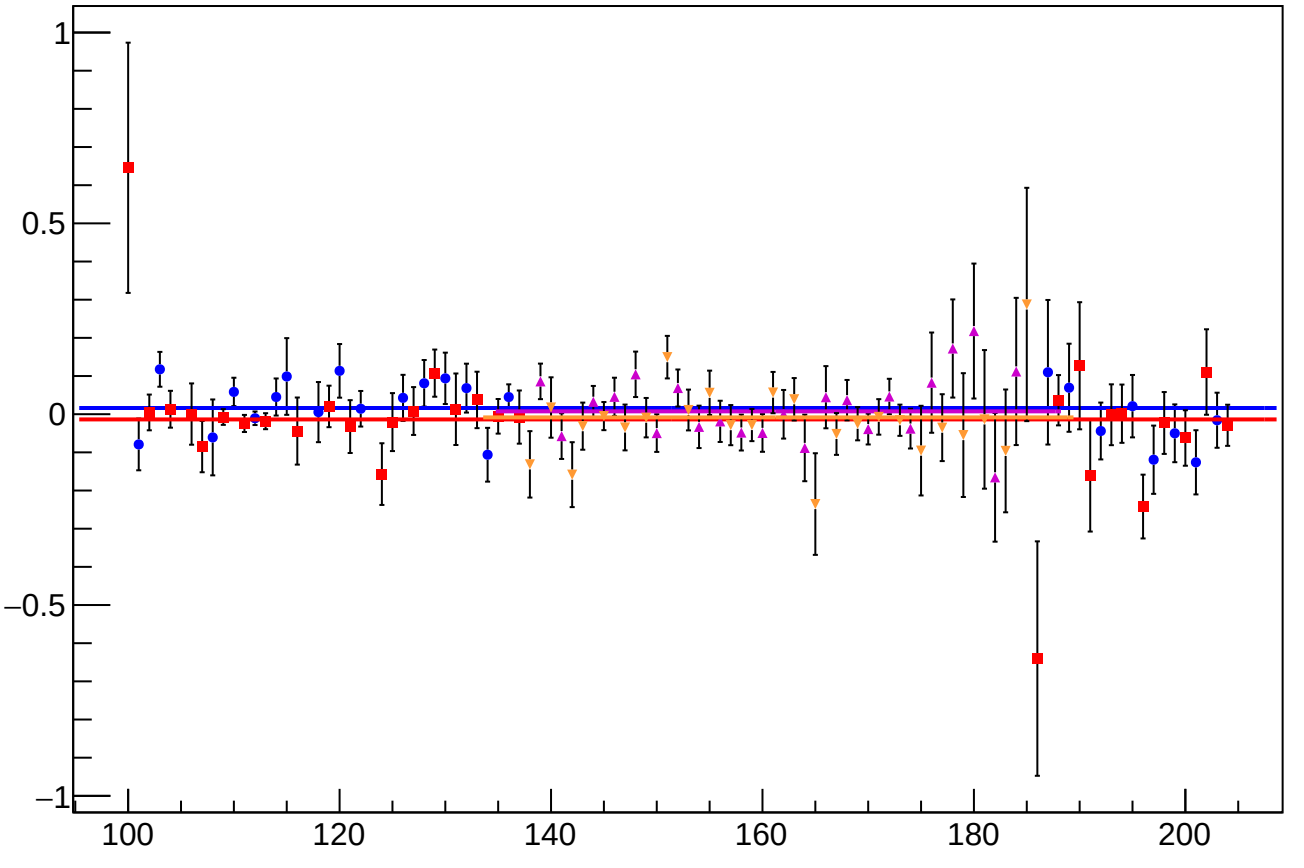
Right: -0.000+/-0.000 χ^2/NDF: 62.7/53

In: -0.000+/-0.000 χ^2/NDF:65.7/46

Out: 0.000+/-0.000 χ^2/NDF:49.6/54

All: 0.000+/-0.000 χ^2/NDF: 116.9/101


asym_sam_48_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.5
0.4
0.3
0.2
0.1
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 4018330.4/23
Left Out: 0.000+/-0.000 χ²/NDF:2009728.9/24
Right Out: 0.000+/-0.000 χ²/NDF: 4820820.6/29
Left In: 0.000+/-0.000 χ²/NDF:928356.7/22
Left: 0.000+/-0.000 χ²/NDF: 2943547.5/47
Right: 0.000+/-0.000 χ²/NDF: 8899539.3/53
In: 0.000+/-0.000 χ²/NDF:7235381.5/46
Out: 0.000+/-0.000 χ²/NDF:10086561.1/54
All: 0.000+/-0.000 χ²/NDF: 17326911.8/101



Right In: 0.016+/-0.010 χ^2/NDF: 28.4/23

Left Out: -0.008+/-0.012 χ^2/NDF:23.2/24

Right Out: -0.014+/-0.009 χ^2/NDF: 30.1/29

Left In: 0.007+/-0.012 χ^2/NDF:23.2/22

Left: -0.000+/-0.008 χ^2/NDF: 47.3/47

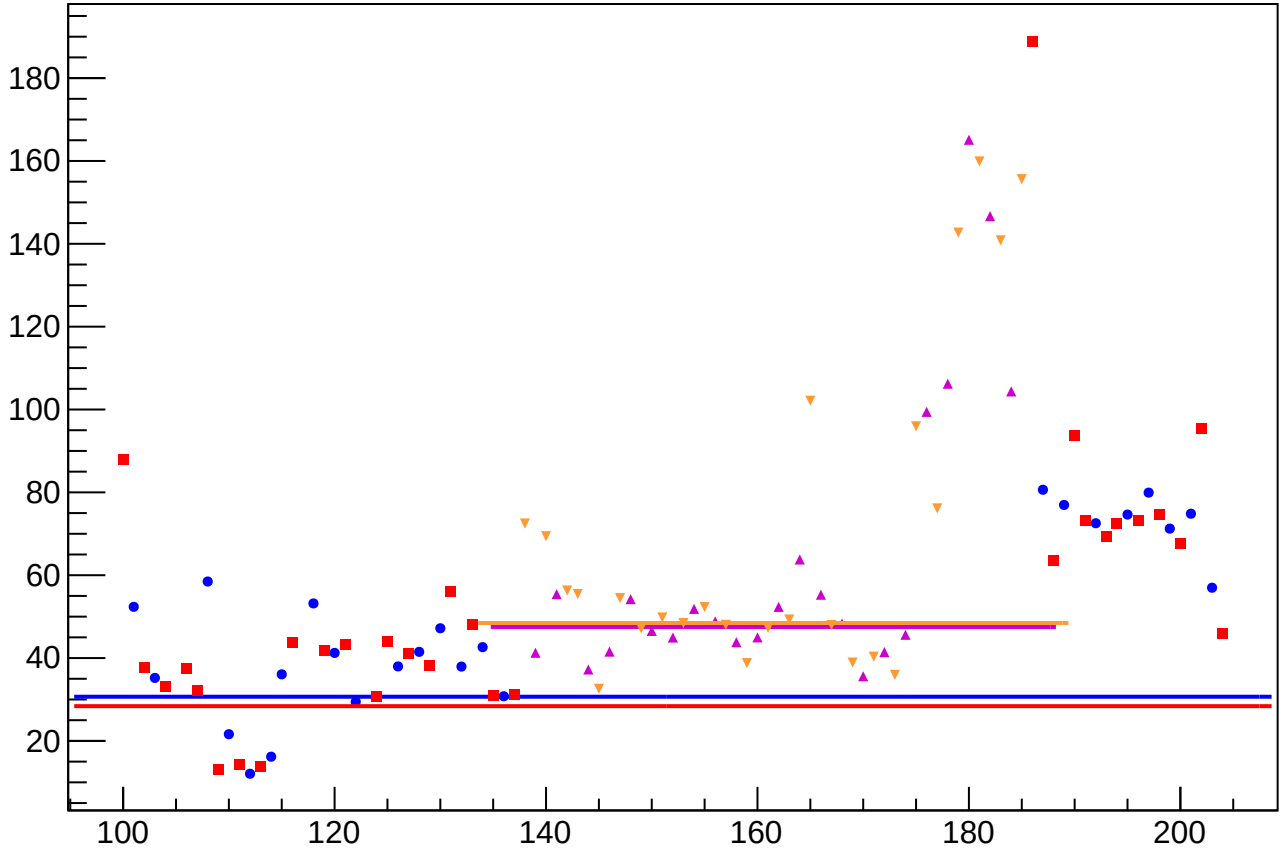
Right: -0.001+/-0.007 χ^2/NDF: 63.2/53

In: 0.012+/-0.008 χ^2/NDF:51.9/46

Out: -0.012+/-0.007 χ^2/NDF:53.4/54

All: -0.001+/-0.005 χ^2/NDF: 110.4/101

asym_sam_48_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 30.667+/-0.007 χ^2/NDF: 7060150.6/23

Left Out: 48.471+/-0.008 χ^2/NDF:4373812.0/24

Right Out: 28.390+/-0.006 χ^2/NDF: 9389254.4/29

Left In: 47.505+/-0.009 χ^2/NDF:3075161.5/22

Left: 47.989+/-0.006 χ^2/NDF: 7455439.1/47

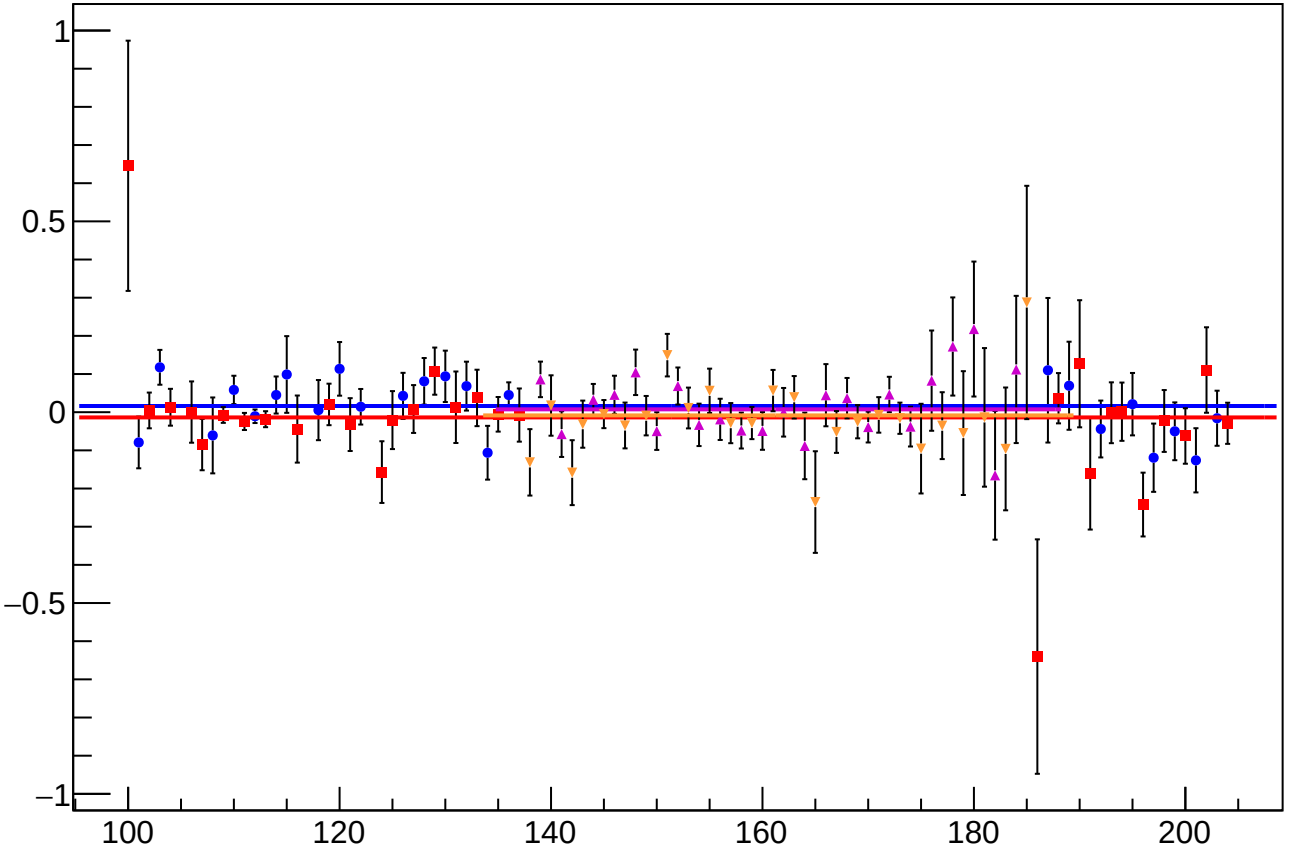
Right: 29.381+/-0.005 χ^2/NDF: 16503441.9/53

In: 37.875+/-0.006 χ^2/NDF:12375347.9/46

Out: 35.757+/-0.005 χ^2/NDF:17304846.1/54

All: 36.733+/-0.004 χ^2/NDF: 29758304.9/101

asym_sam_48_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.016+/-0.010 χ^2/NDF: 28.4/23

Left Out: -0.008+/-0.012 χ^2/NDF:23.2/24

Right Out: -0.014+/-0.009 χ^2/NDF: 30.1/29

Left In: 0.007+/-0.012 χ^2/NDF:23.2/22

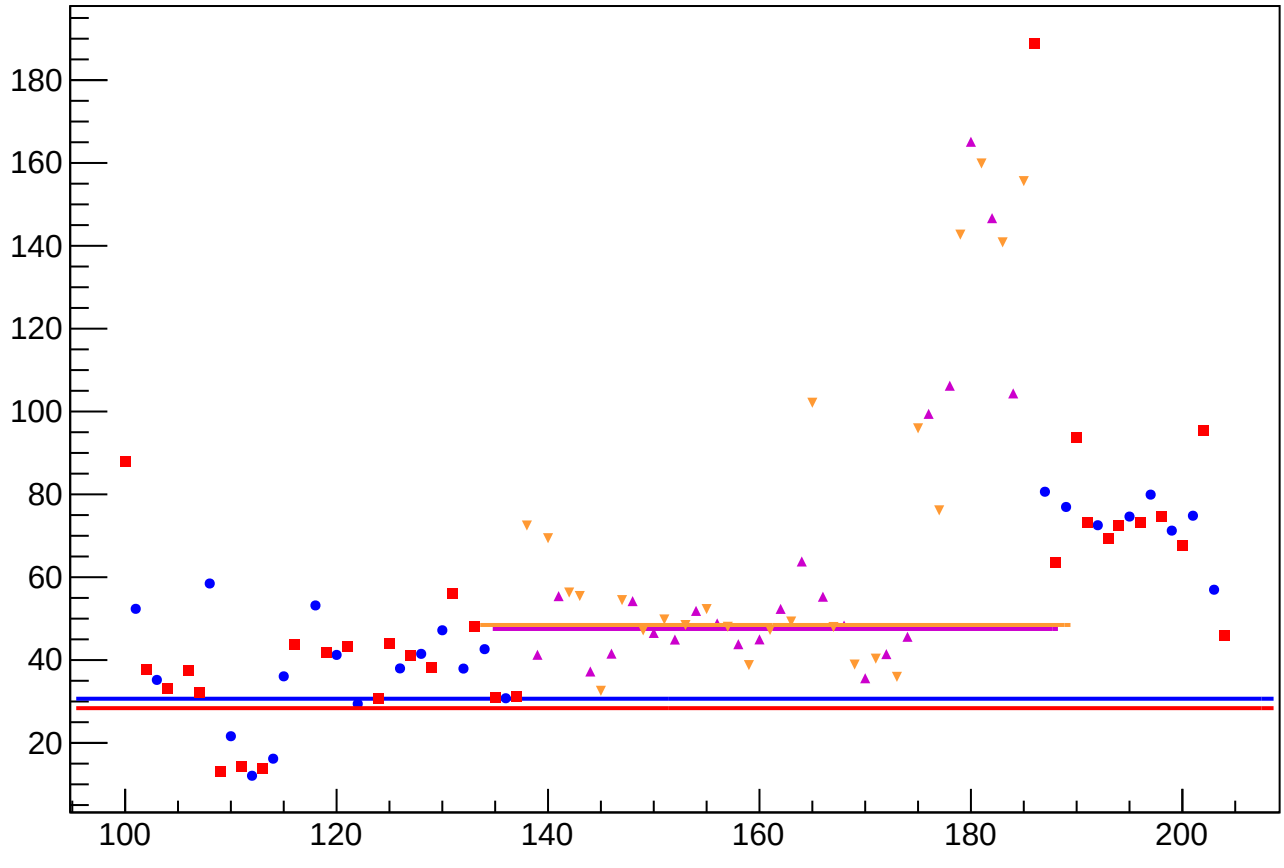
Left: -0.000+/-0.008 χ^2/NDF: 47.3/47

Right: -0.001+/-0.007 χ^2/NDF: 63.2/53

In: 0.012+/-0.008 χ^2/NDF:51.9/46

Out: -0.012+/-0.007 χ^2/NDF:53.4/54

All: -0.001+/-0.005 χ^2/NDF: 110.4/101



Right In: 30.667+/-0.007 χ^2/NDF: 7060150.6/23

Left Out: 48.471+/-0.008 χ^2/NDF:4373812.0/24

Right Out: 28.390+/-0.006 χ^2/NDF: 9389254.4/29

Left In: 47.505+/-0.009 χ^2/NDF:3075161.5/22

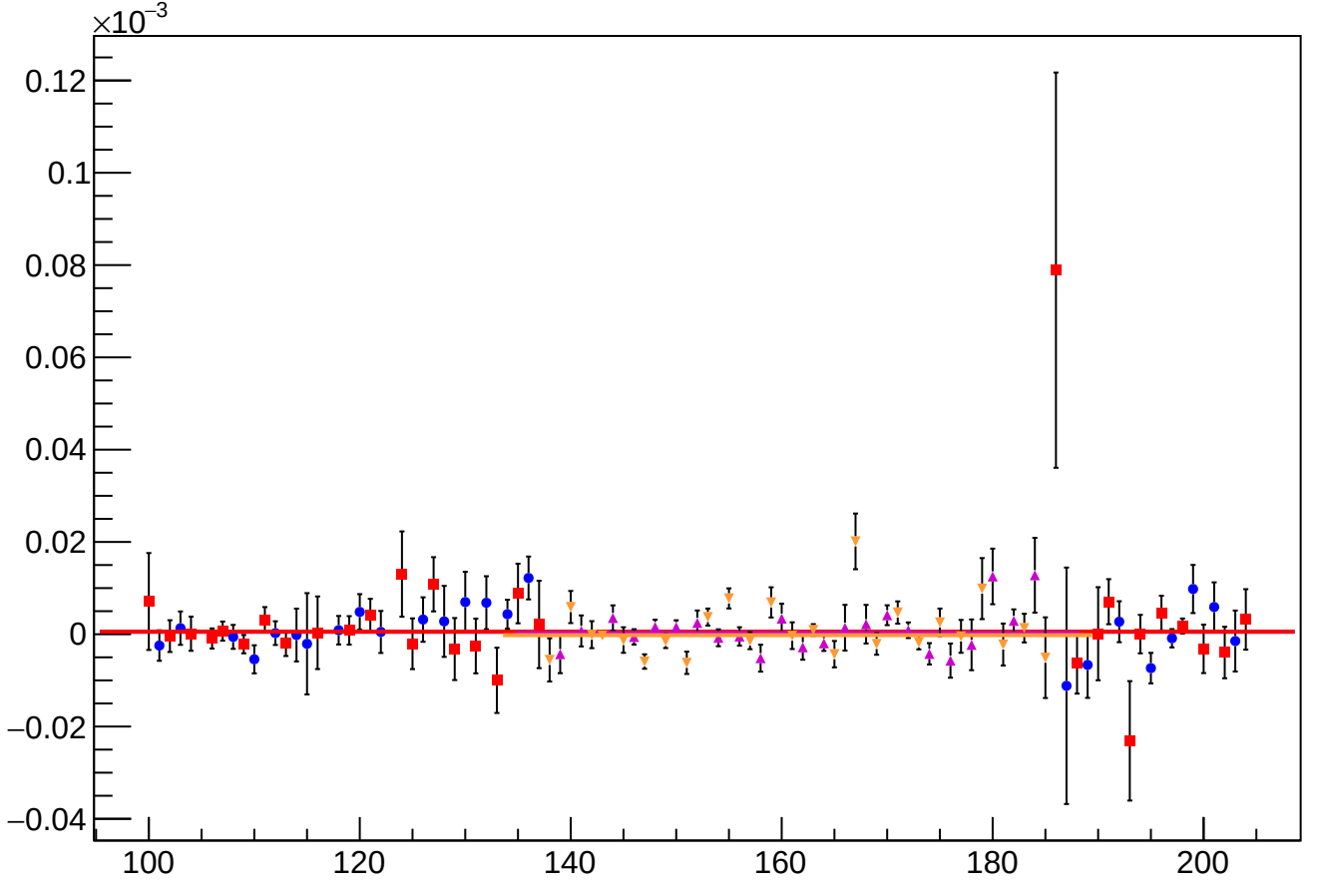
Left: 47.989+/-0.006 χ^2/NDF: 7455439.1/47

Right: 29.381+/-0.005 χ^2/NDF: 16503441.9/53

In: 37.875+/-0.006 χ^2/NDF:12375347.9/46

Out: 35.757+/-0.005 χ^2/NDF:17304846.1/54

All: 36.733+/-0.004 χ^2/NDF: 29758304.9/101



Right In: 0.000+/-0.000 χ^2/NDF: 28.5/23

Left Out: -0.000+/-0.000 χ^2/NDF:71.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 27.9/29

Left In: 0.000+/-0.000 χ^2/NDF:30.9/22

Left: -0.000+/-0.000 χ^2/NDF: 103.2/47

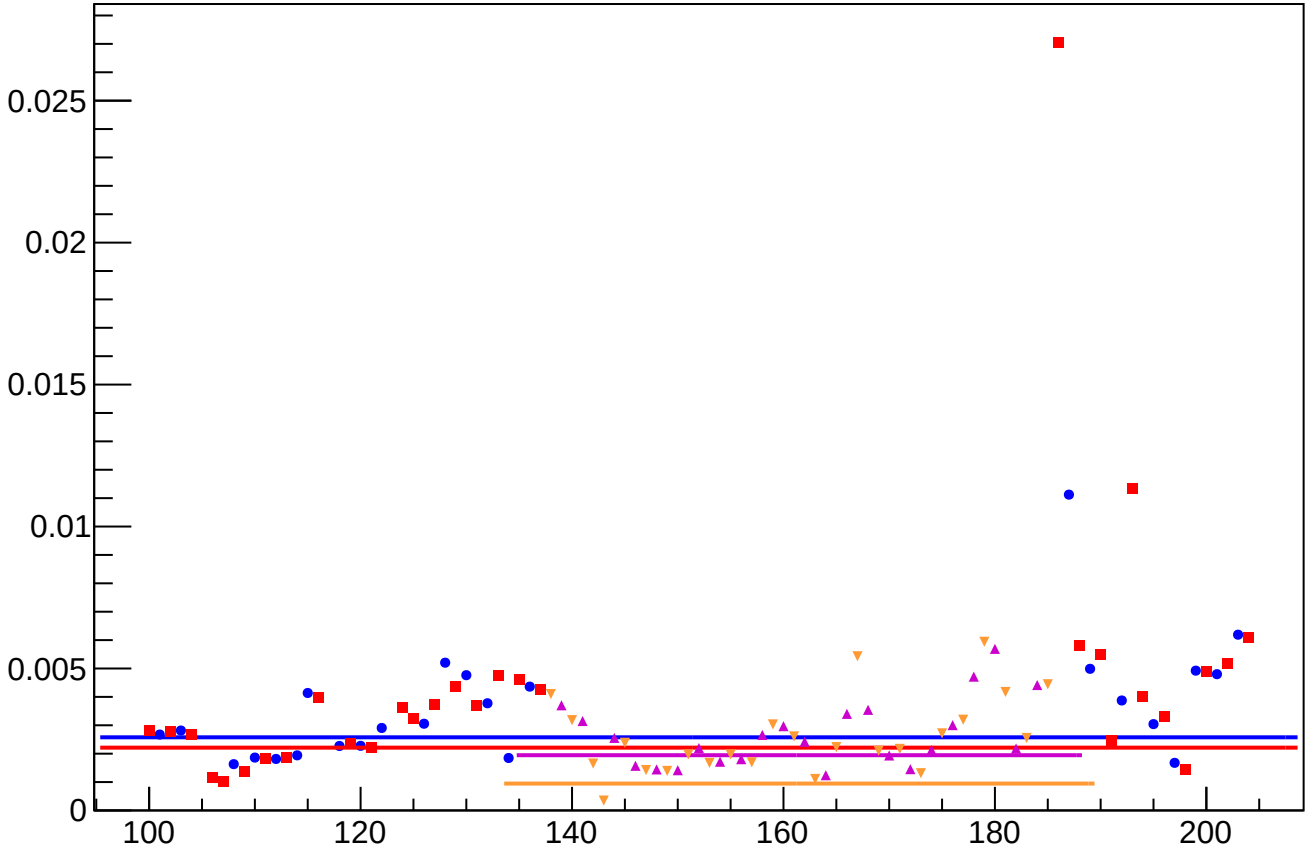
Right: 0.000+/-0.000 χ^2/NDF: 56.3/53

In: 0.000+/-0.000 χ^2/NDF:59.4/46

Out: -0.000+/-0.000 χ^2/NDF:100.6/54

All: 0.000+/-0.000 χ^2/NDF: 160.7/101

asym_sam_48_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 4057878.6/23

Left Out: 0.001+/-0.000 χ^2/NDF:17608951.7/24

Right Out: 0.002+/-0.000 χ^2/NDF: 8217846.0/29

Left In: 0.002+/-0.000 χ^2/NDF:4362371.5/22

Left: 0.001+/-0.000 χ^2/NDF: 27882769.2/47

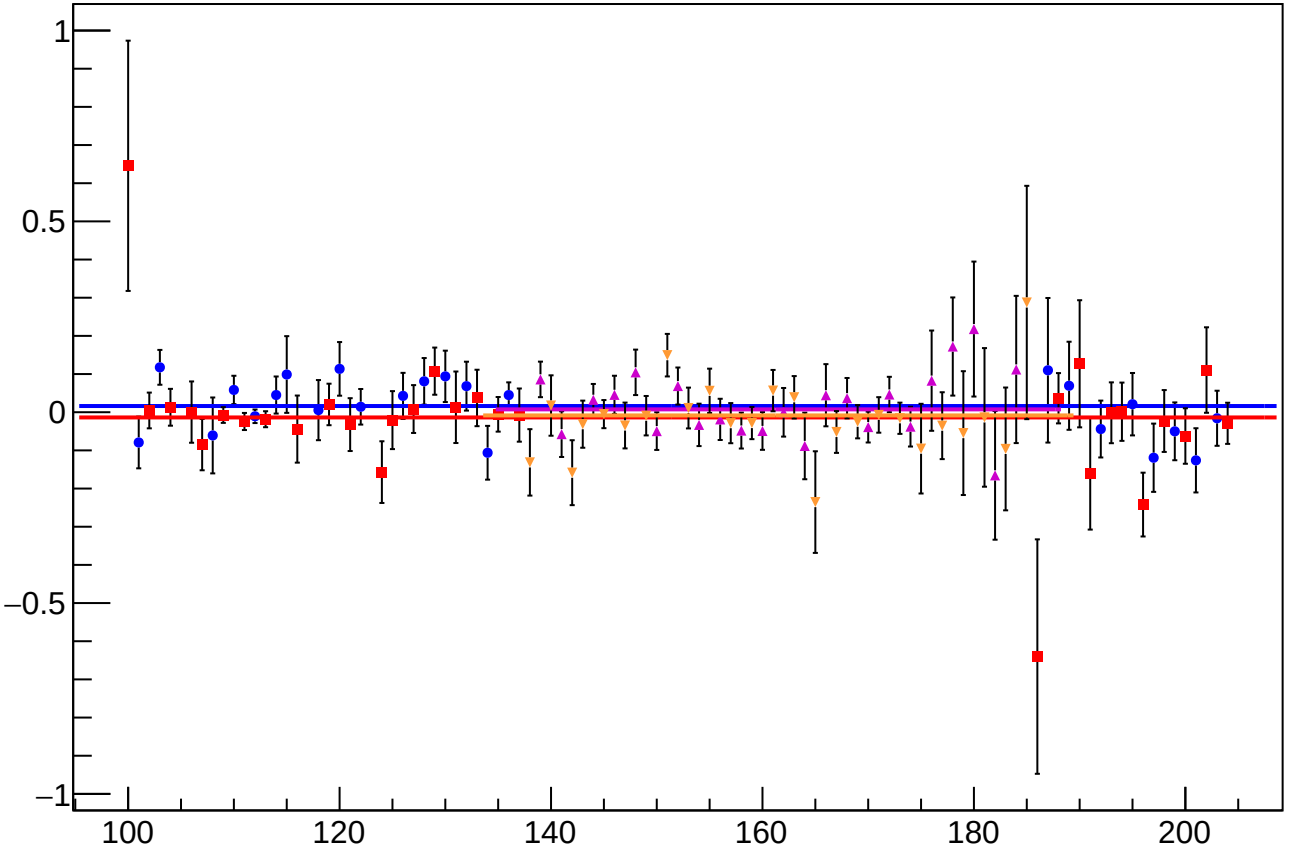
Right: 0.002+/-0.000 χ^2/NDF: 12521835.1/53

In: 0.002+/-0.000 χ^2/NDF:9335315.0/46

Out: 0.001+/-0.000 χ^2/NDF:31693081.8/54

All: 0.001+/-0.000 χ^2/NDF: 48453152.9/101

asym_sam_48_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.016+/-0.010 χ^2/NDF: 28.4/23

Left Out: -0.008+/-0.012 χ^2/NDF:23.2/24

Right Out: -0.014+/-0.009 χ^2/NDF: 30.1/29

Left In: 0.007+/-0.012 χ^2/NDF:23.2/22

Left: -0.000+/-0.008 χ^2/NDF: 47.3/47

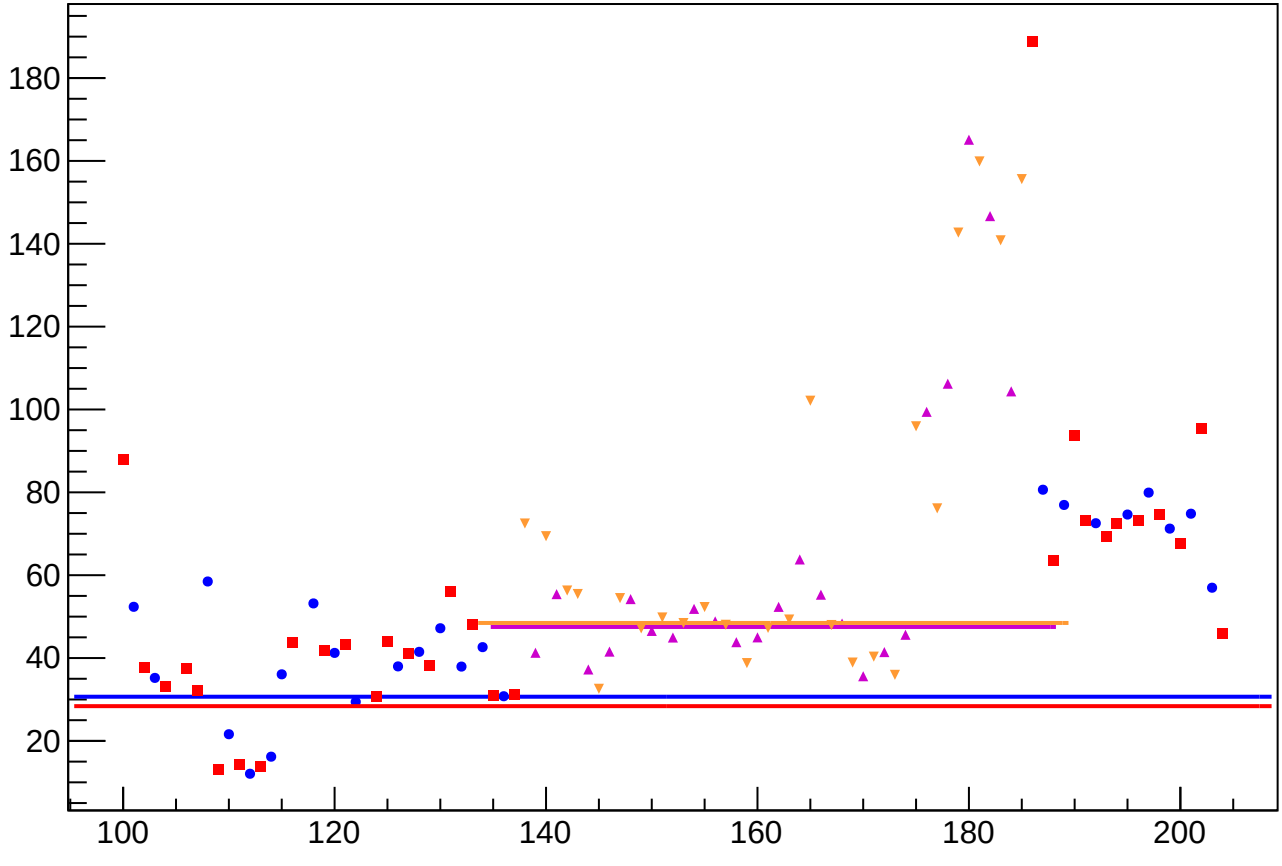
Right: -0.001+/-0.007 χ^2/NDF: 63.2/53

In: 0.012+/-0.008 χ^2/NDF:51.9/46

Out: -0.012+/-0.007 χ^2/NDF:53.4/54

All: -0.001+/-0.005 χ^2/NDF: 110.4/101

asym_sam_48_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 30.665+/-0.007 χ^2/NDF: 7060767.6/23

Left Out: 48.471+/-0.008 χ^2/NDF:4373775.4/24

Right Out: 28.389+/-0.006 χ^2/NDF: 9389496.8/29

Left In: 47.505+/-0.009 χ^2/NDF:3075116.0/22

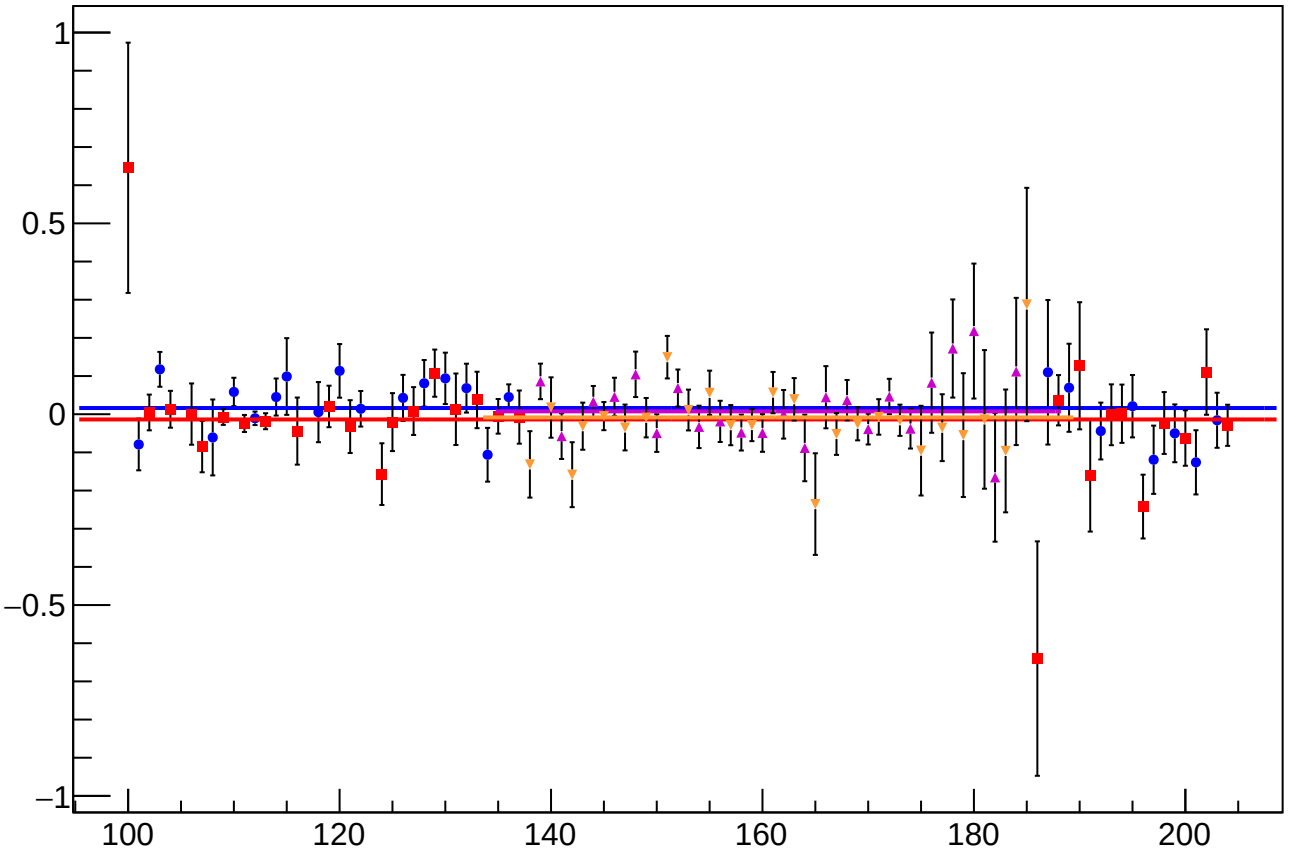
Left: 47.989+/-0.006 χ^2/NDF: 7455357.0/47

Right: 29.380+/-0.005 χ^2/NDF: 16504251.5/53

In: 37.874+/-0.006 χ^2/NDF:12376417.3/46

Out: 35.757+/-0.005 χ^2/NDF:17305264.4/54

All: 36.732+/-0.004 χ^2/NDF: 29759738.2/101



Right In: 0.016+/-0.010 χ^2/NDF: 28.4/23

Left Out: -0.008+/-0.012 χ^2/NDF:23.2/24

Right Out: -0.014+/-0.009 χ^2/NDF: 30.1/29

Left In: 0.007+/-0.012 χ^2/NDF:23.2/22

Left: -0.000+/-0.008 χ^2/NDF: 47.3/47

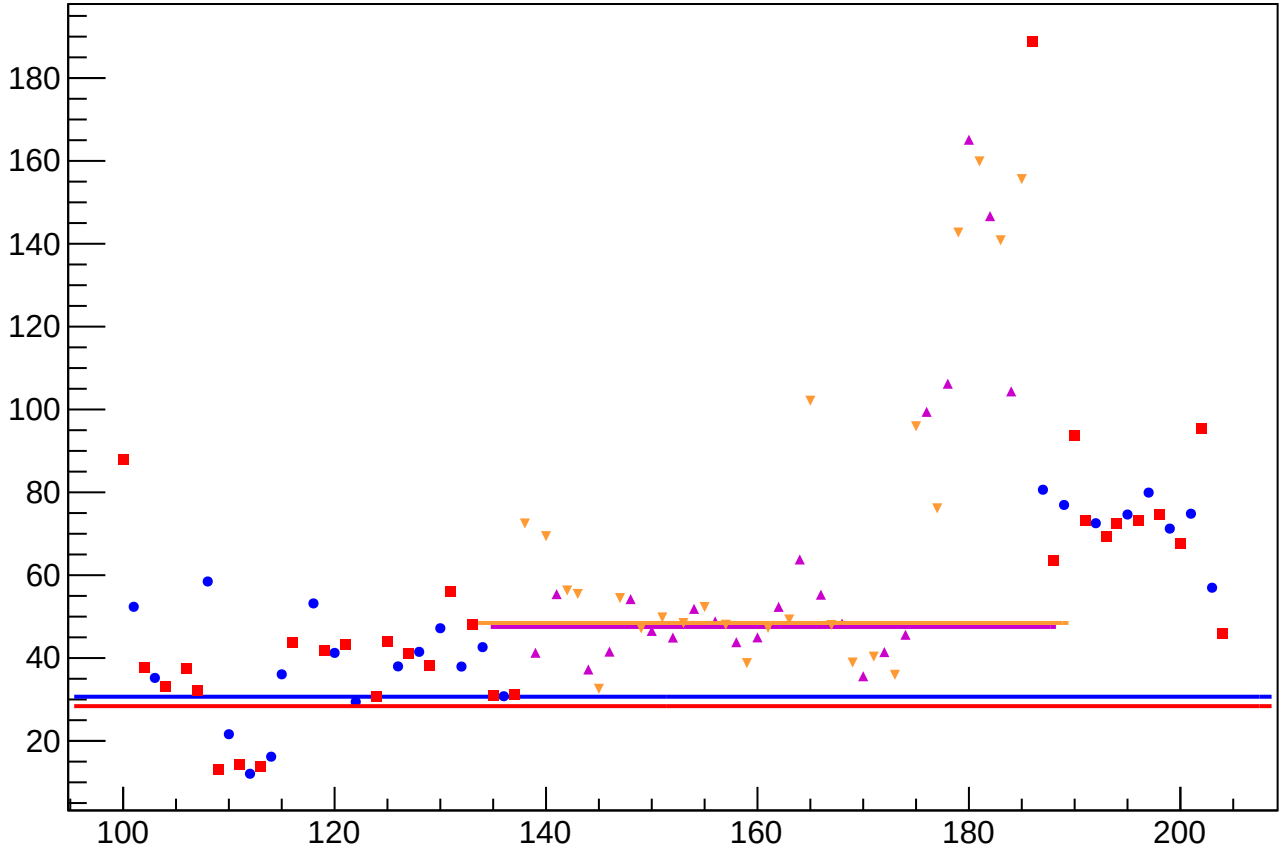
Right: -0.001+/-0.007 χ^2/NDF: 63.2/53

In: 0.012+/-0.008 χ^2/NDF:51.9/46

Out: -0.012+/-0.007 χ^2/NDF:53.4/54

All: -0.001+/-0.005 χ^2/NDF: 110.4/101

asym_sam_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 30.665+/-0.007 χ^2/NDF: 7060767.6/23

Left Out: 48.471+/-0.008 χ^2/NDF:4373775.4/24

Right Out: 28.389+/-0.006 χ^2/NDF: 9389496.8/29

Left In: 47.505+/-0.009 χ^2/NDF:3075116.0/22

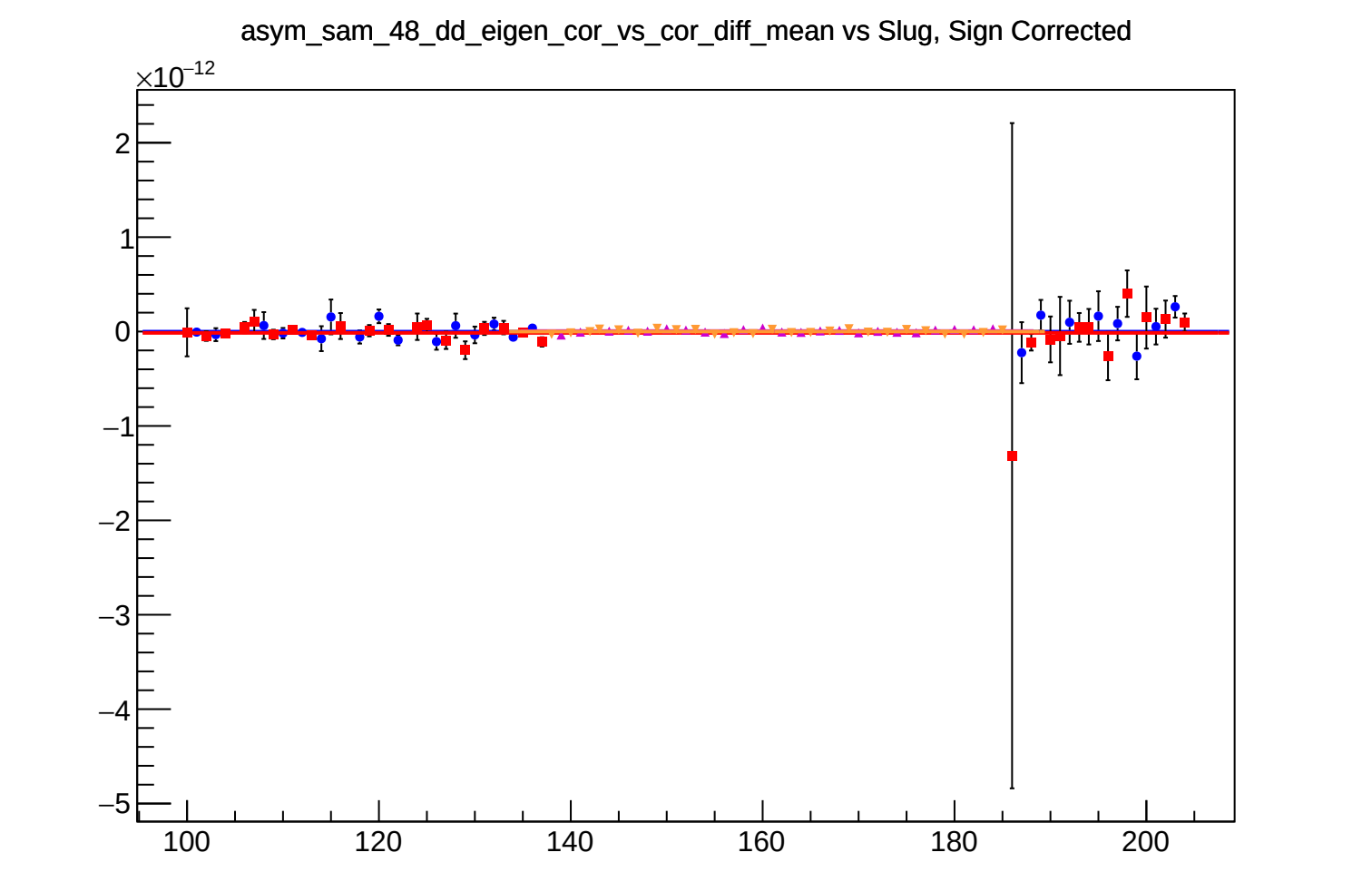
Left: 47.989+/-0.006 χ^2/NDF: 7455357.0/47

Right: 29.380+/-0.005 χ^2/NDF: 16504251.5/53

In: 37.874+/-0.006 χ^2/NDF:12376417.3/46

Out: 35.757+/-0.005 χ^2/NDF:17305264.4/54

All: 36.732+/-0.004 χ^2/NDF: 29759738.2/101



Right In: -0.000+/-0.000 χ^2/NDF: 27.9/23

Left Out: 0.000+/-0.000 χ^2/NDF:31.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 22.7/29

Left In: 0.000+/-0.000 χ^2/NDF:19.1/22

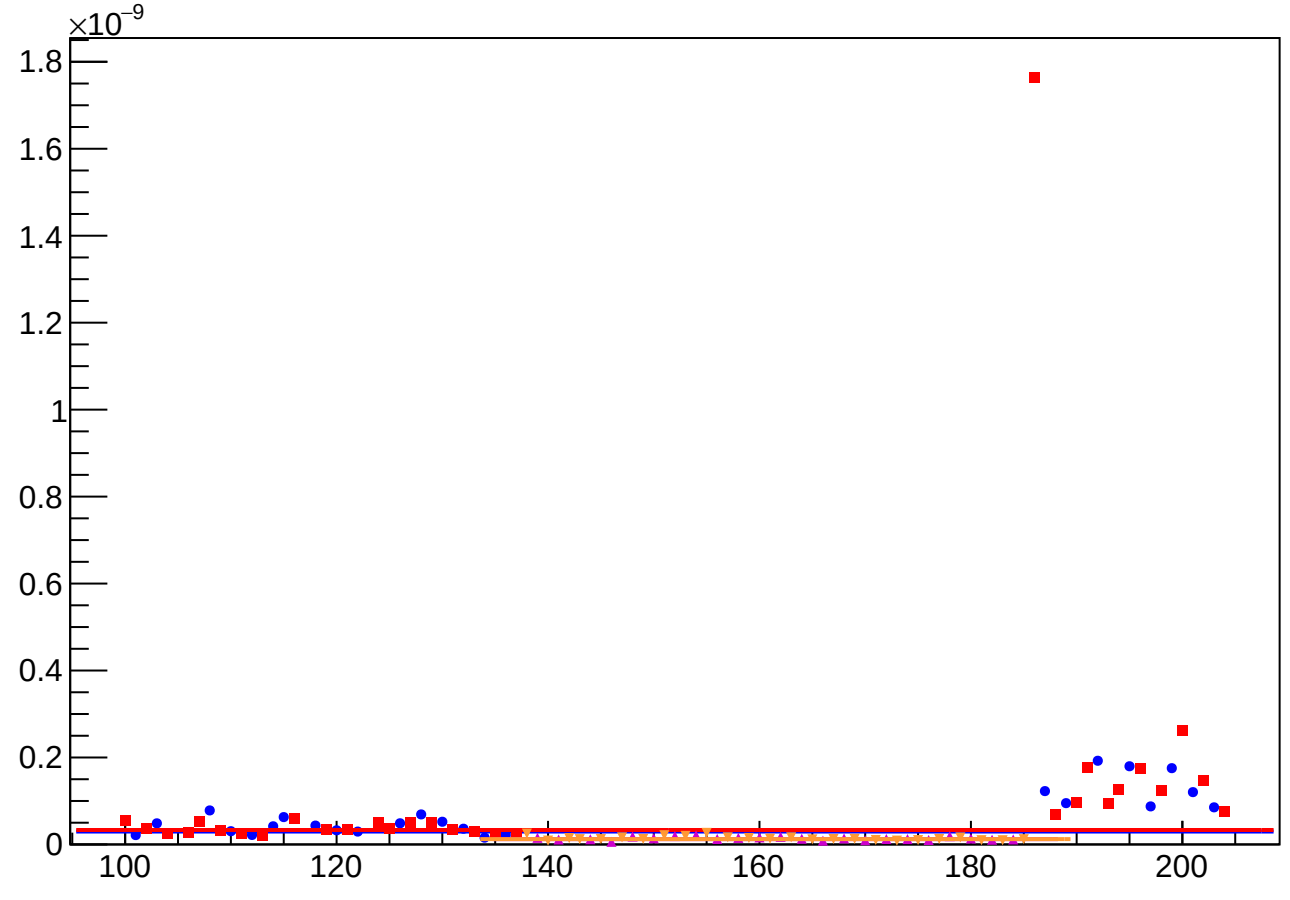
Left: 0.000+/-0.000 χ^2/NDF: 51.7/47

Right: -0.000+/-0.000 χ^2/NDF: 51.1/53

In: 0.000+/-0.000 χ^2/NDF:47.3/46

Out: -0.000+/-0.000 χ^2/NDF:55.2/54

All: 0.000+/-0.000 χ^2/NDF: 103.9/101



Right In: 0.000+/-0.000 χ^2/NDF: 5828467.4/23

Left Out: 0.000+/-0.000 χ^2/NDF:1915201.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6027122.5/29

Left In: 0.000+/-0.000 χ^2/NDF:1925839.7/22

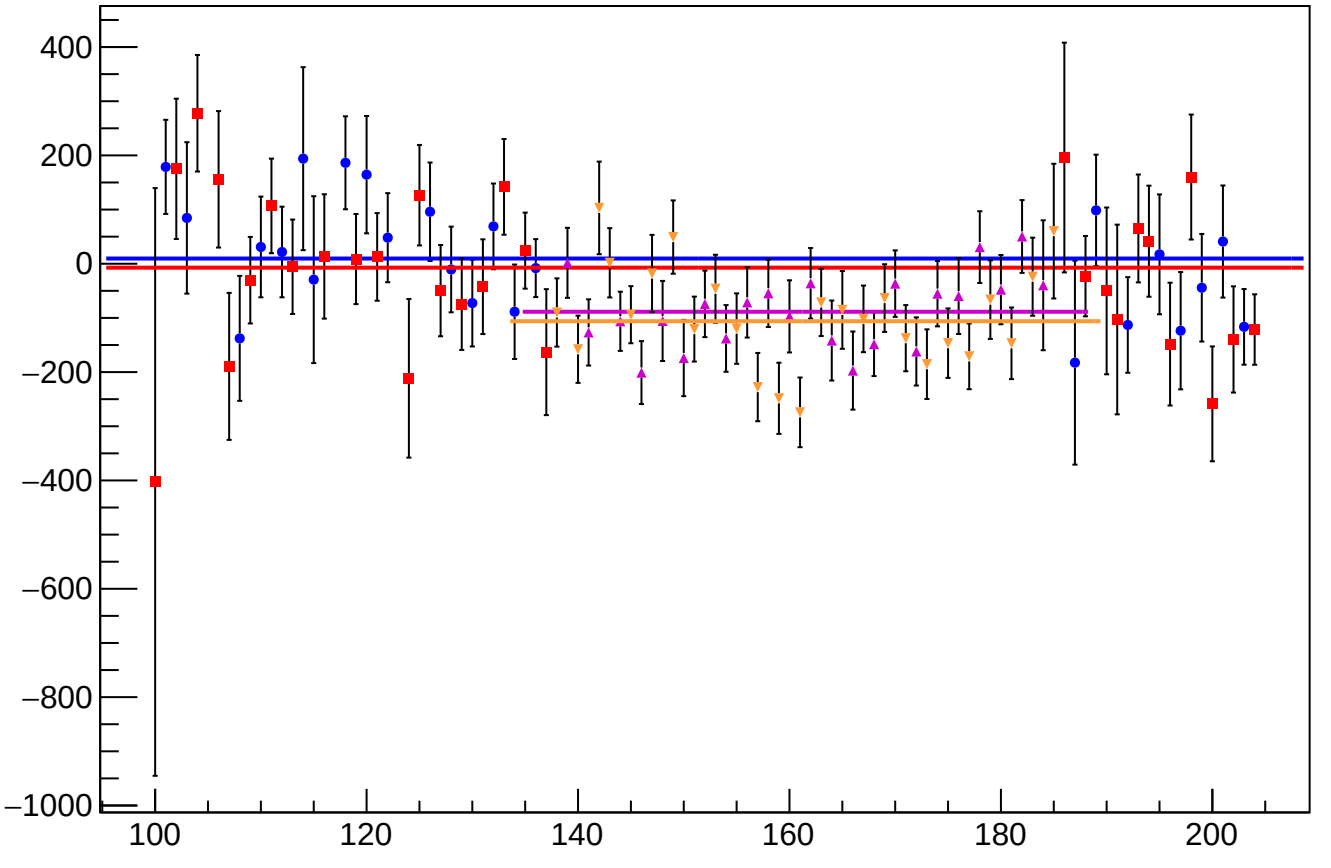
Left: 0.000+/-0.000 χ^2/NDF: 3841224.4/47

Right: 0.000+/-0.000 χ^2/NDF: 11932774.6/53

In: 0.000+/-0.000 χ^2/NDF:11389282.6/46

Out: 0.000+/-0.000 χ^2/NDF:12912855.0/54

All: 0.000+/-0.000 χ^2/NDF: 24303925.3/101



Right In: 9.622+/-18.701 χ^2/NDF: 26.4/23

Left Out: -106.100+/-13.089 χ^2/NDF:40.7/24

Right Out: -7.232+/-17.966 χ^2/NDF: 41.2/29

Left In: -88.619+/-13.566 χ^2/NDF:23.9/22

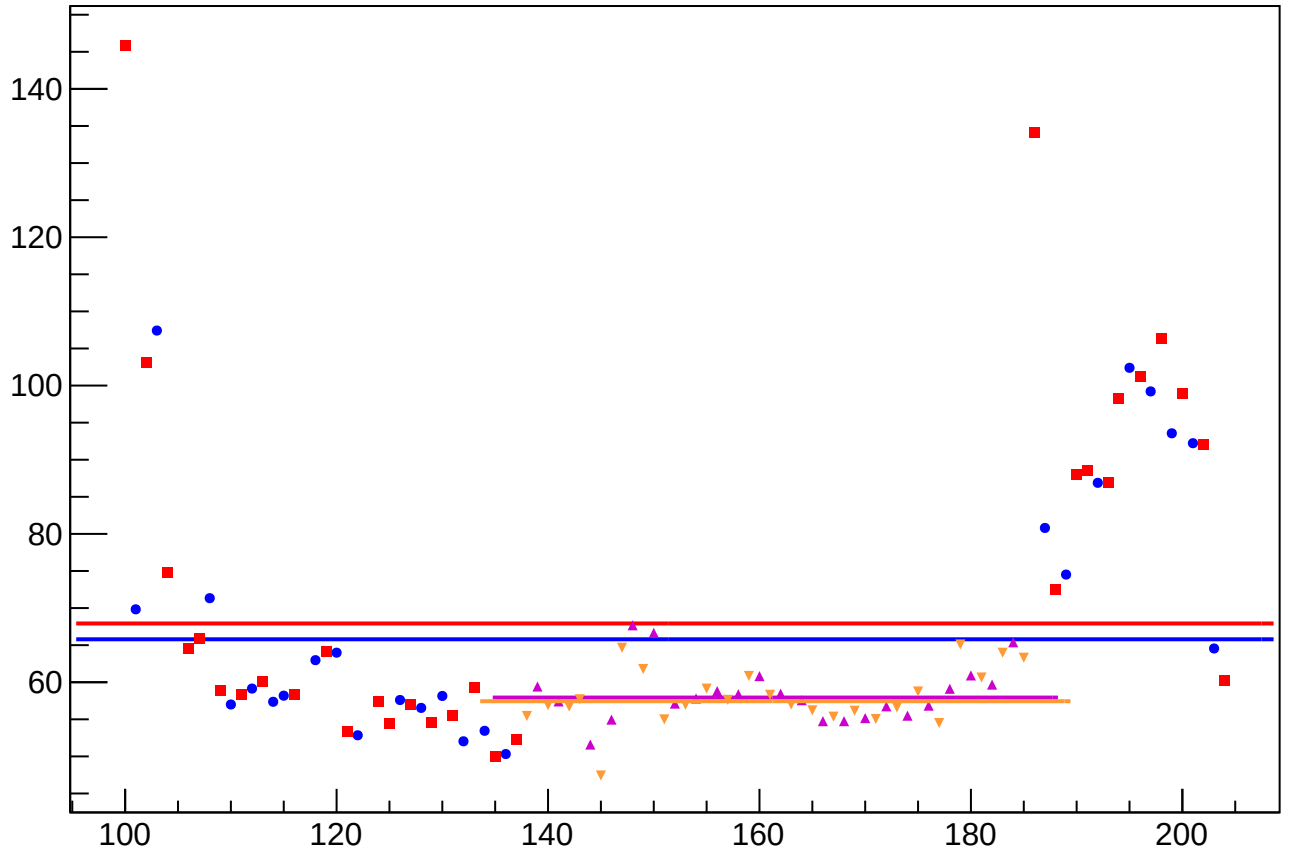
Left: -97.672+/-9.420 χ^2/NDF: 65.4/47

Right: 0.857+/-12.956 χ^2/NDF: 68.0/53

In: -54.747+/-10.981 χ^2/NDF:68.4/46

Out: -71.817+/-10.579 χ^2/NDF:101.6/54

All: -63.600+/-7.619 χ^2/NDF: 171.3/101



Right In: 65.791+/-0.013 χ^2/NDF: 1447289.5/23

Left Out: 57.440+/-0.009 χ^2/NDF:174555.9/24

Right Out: 67.923+/-0.013 χ^2/NDF: 1937747.1/29

Left In: 57.933+/-0.010 χ^2/NDF:135903.0/22

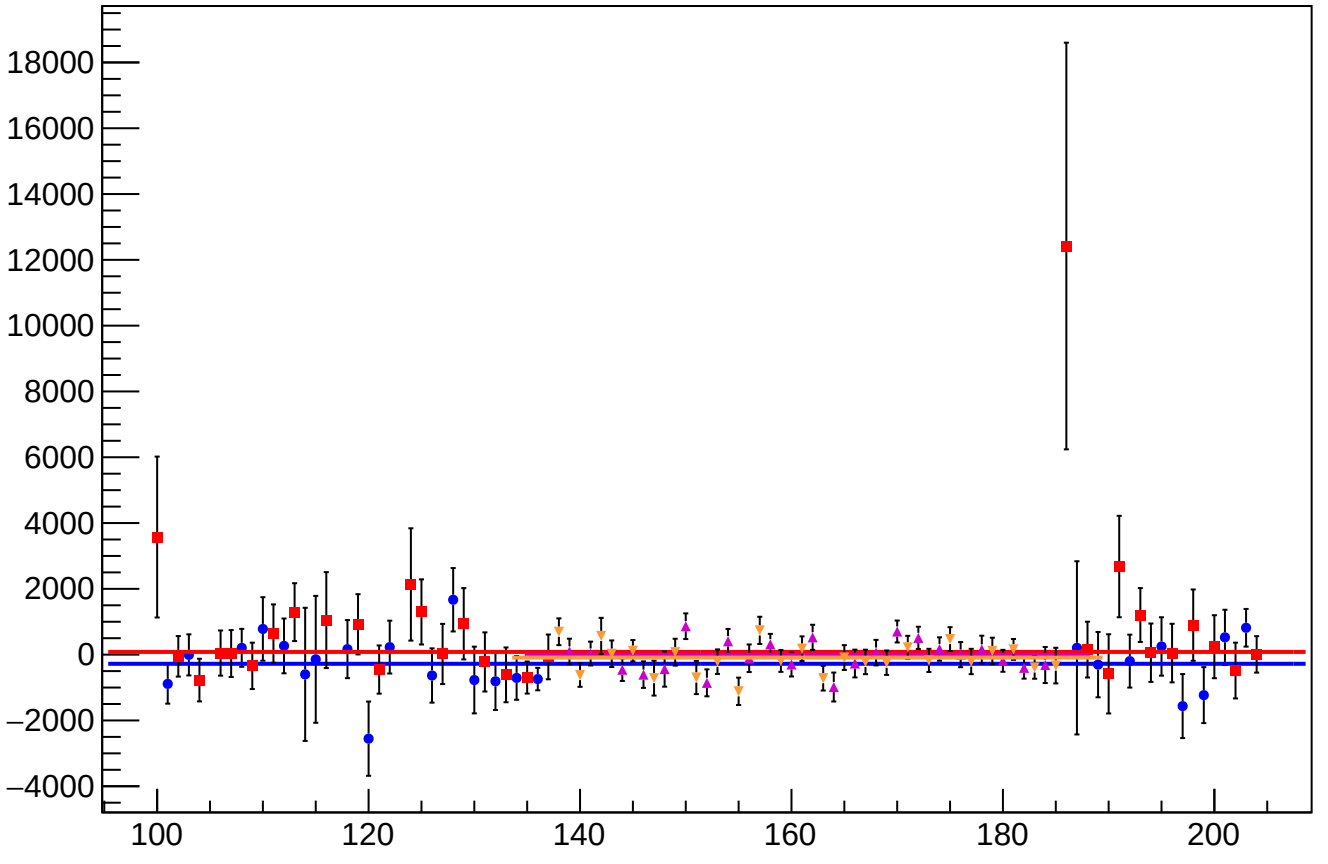
Left: 57.678+/-0.007 χ^2/NDF: 311823.9/47

Right: 66.899+/-0.009 χ^2/NDF: 3398557.6/53

In: 60.642+/-0.008 χ^2/NDF:1814548.7/46

Out: 61.075+/-0.007 χ^2/NDF:2557101.0/54

All: 60.867+/-0.005 χ^2/NDF: 4373262.7/101



Right In: -277.771+/-155.139 χ^2/NDF: 23.4/23

Left Out: -89.059+/-77.011 χ^2/NDF:29.9/24

Right Out: 82.789+/-152.532 χ^2/NDF: 25.4/29

Left In: -3.046+/-79.193 χ^2/NDF:33.6/22

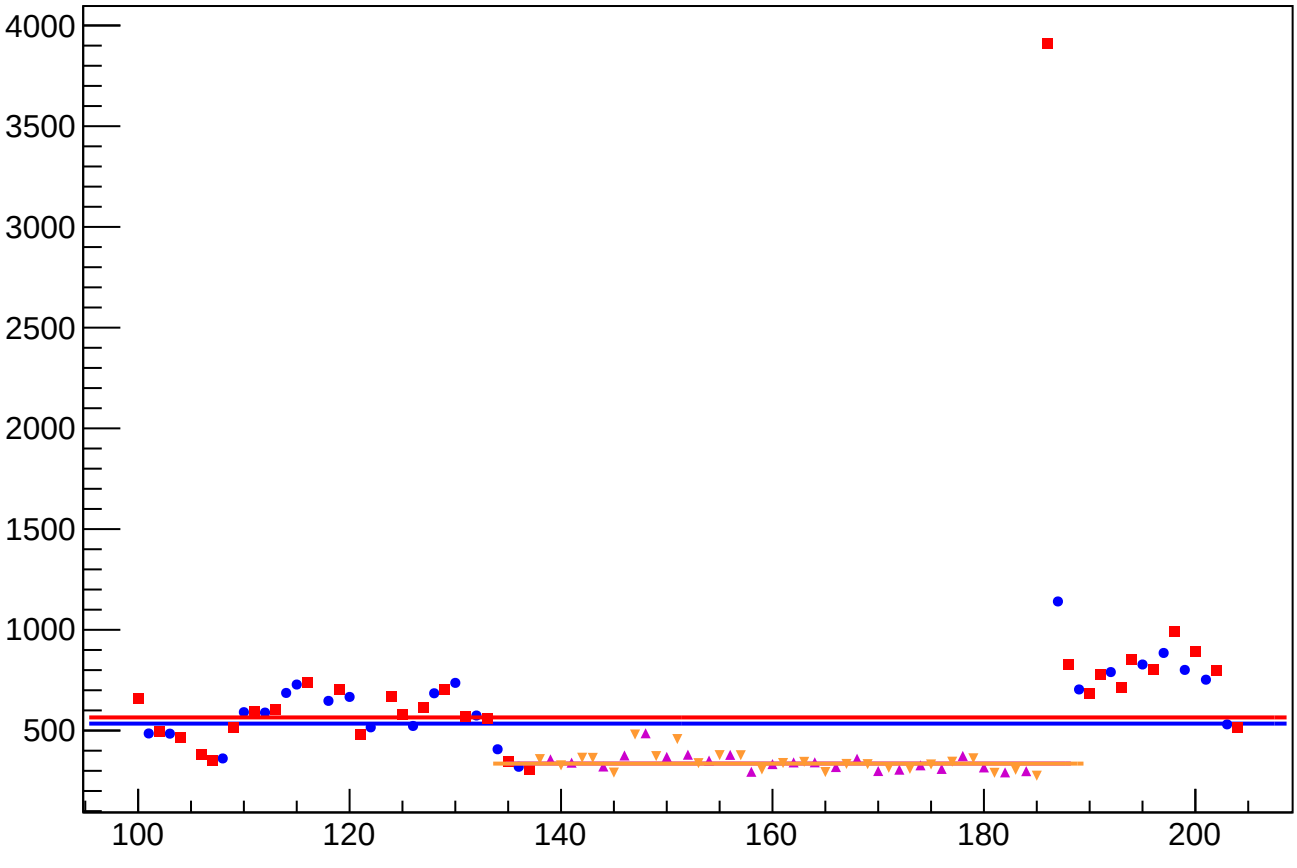
Left: -47.253+/-55.210 χ^2/NDF: 64.1/47

Right: -94.436+/-108.767 χ^2/NDF: 51.5/53

In: -59.835+/-70.535 χ^2/NDF:59.5/46

Out: -54.152+/-68.746 χ^2/NDF:56.3/54

All: -56.920+/-49.231 χ^2/NDF: 115.8/101



Right In: 534.444+/-0.110 χ^2/NDF: 2486134.6/23

Left Out: 335.894+/-0.054 χ^2/NDF:533835.0/24

Right Out: 565.156+/-0.108 χ^2/NDF: 3220809.2/29

Left In: 336.343+/-0.056 χ^2/NDF:414202.1/22

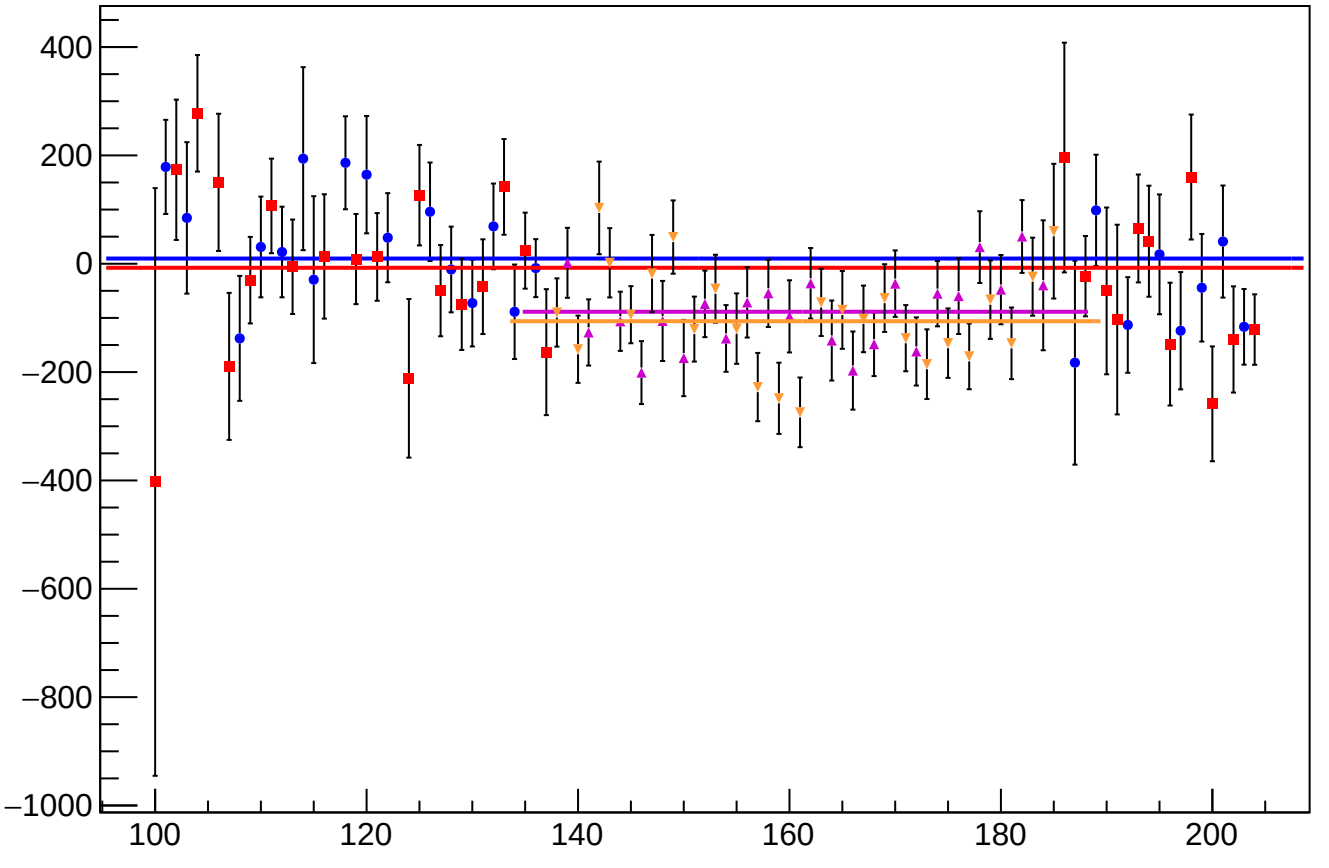
Left: 336.112+/-0.039 χ^2/NDF: 948070.1/47

Right: 550.060+/-0.077 χ^2/NDF: 5746796.1/53

In: 377.293+/-0.050 χ^2/NDF:5487314.5/46

Out: 382.464+/-0.049 χ^2/NDF:7355090.4/54

All: 379.945+/-0.035 χ^2/NDF: 12847917.3/10



Right In: 9.619+/-18.701 χ^2/NDF: 26.4/23

Left Out: -106.099+/-13.089 χ^2/NDF:40.7/24

Right Out: -7.420+/-17.968 χ^2/NDF: 41.0/29

Left In: -88.621+/-13.566 χ^2/NDF:23.9/22

Left: -97.673+/-9.420 χ^2/NDF: 65.4/47

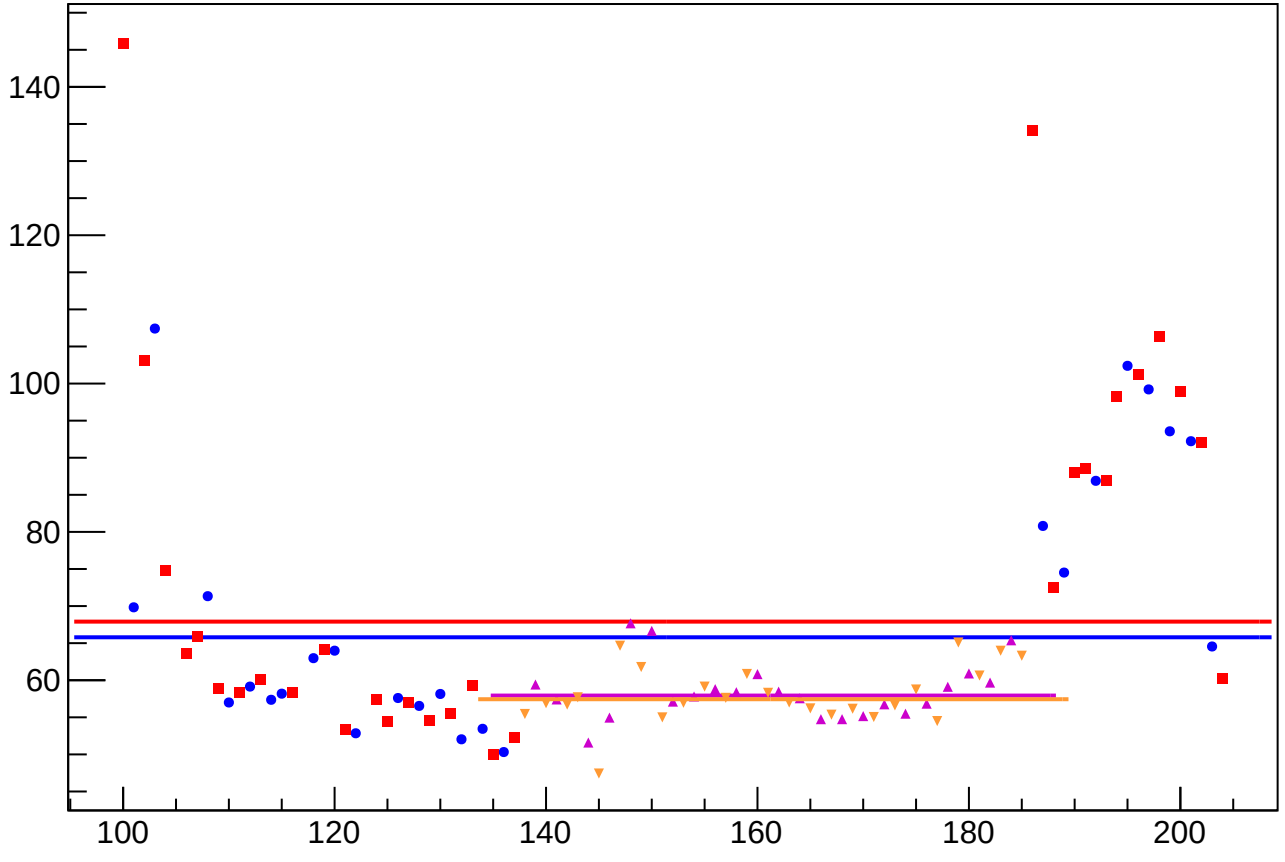
Right: 0.759+/-12.957 χ^2/NDF: 67.8/53

In: -54.749+/-10.981 χ^2/NDF:68.4/46

Out: -71.888+/-10.580 χ^2/NDF:101.4/54

All: -63.637+/-7.619 χ^2/NDF: 171.0/101

cor_asym_sam_13_57_dd_rms vs Slug, Sign Corrected



Right In: 65.791+/-0.013 χ^2/NDF: 1447291.5/23

Left Out: 57.440+/-0.009 χ^2/NDF:174555.9/24

Right Out: 67.904+/-0.013 χ^2/NDF: 1938883.0/29

Left In: 57.933+/-0.010 χ^2/NDF:135903.0/22

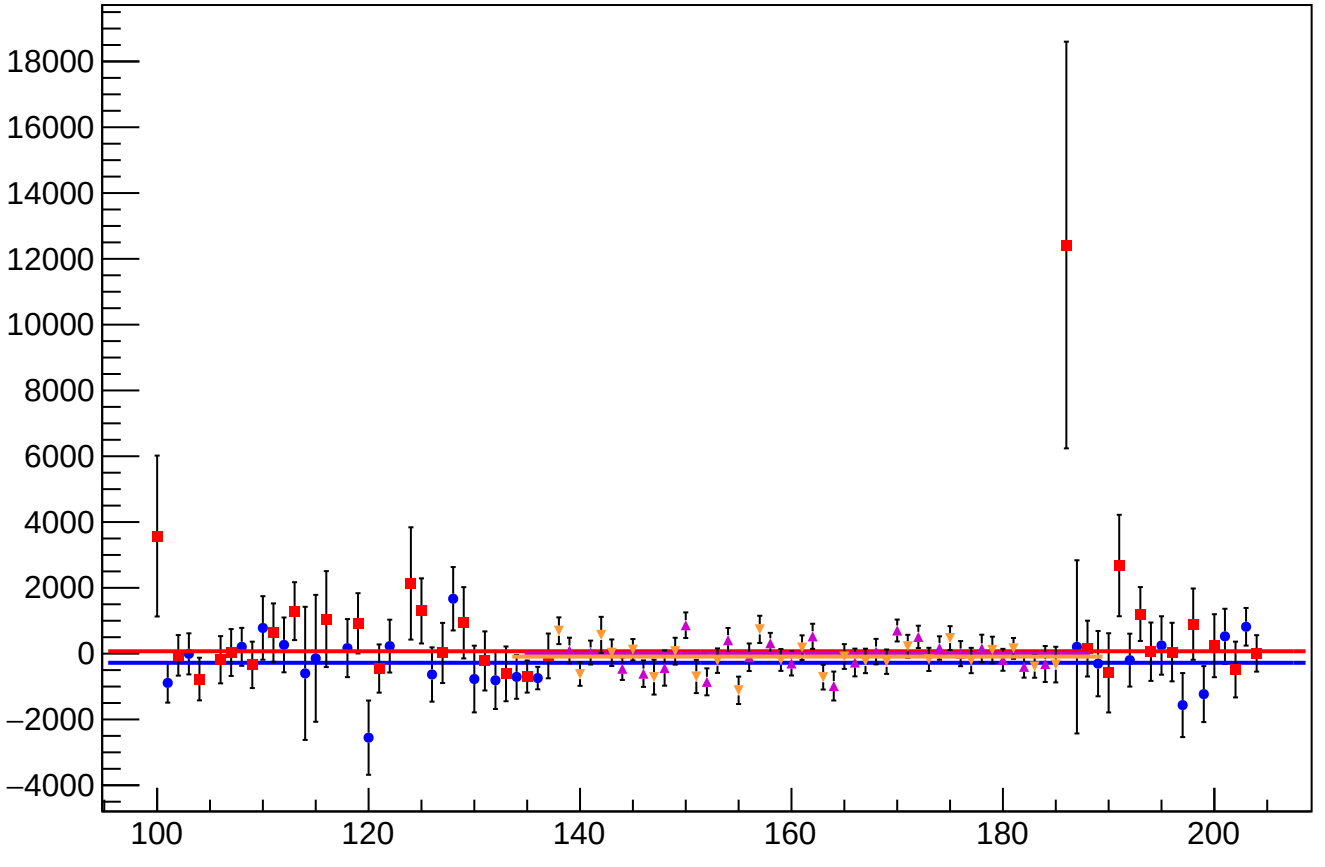
Left: 57.678+/-0.007 χ^2/NDF: 311823.9/47

Right: 66.889+/-0.009 χ^2/NDF: 3399455.4/53

In: 60.642+/-0.008 χ^2/NDF:1814550.7/46

Out: 61.068+/-0.007 χ^2/NDF:2556565.2/54

All: 60.863+/-0.005 χ^2/NDF: 4372676.3/101



Right In: -277.744+/-155.140 χ^2/NDF: 23.4/23

Left Out: -89.061+/-77.011 χ^2/NDF:29.9/24

Right Out: 72.399+/-152.859 χ^2/NDF: 25.5/29

Left In: -3.047+/-79.193 χ^2/NDF:33.6/22

Left: -47.256+/-55.210 χ^2/NDF: 64.1/47

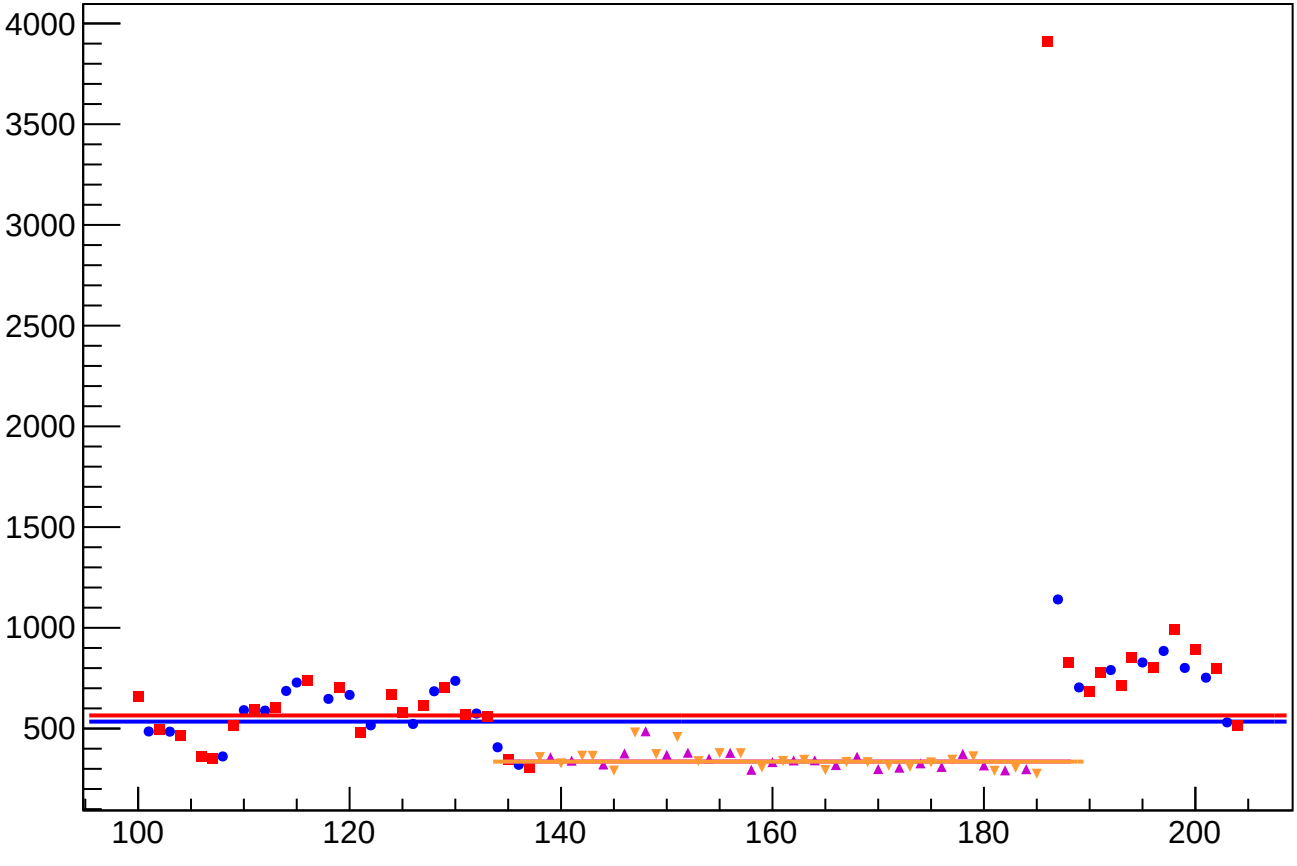
Right: -100.079+/-108.885 χ^2/NDF: 51.5/53

In: -59.830+/-70.535 χ^2/NDF:59.5/46

Out: -56.375+/-68.776 χ^2/NDF:56.3/54

All: -58.059+/-49.242 χ^2/NDF: 115.8/101

asym_sam_13_57_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 534.447+/-0.110 χ^2/NDF: 2486112.8/23

Left Out: 335.894+/-0.054 χ^2/NDF:533835.9/24

Right Out: 565.009+/-0.108 χ^2/NDF: 3239906.9/29

Left In: 336.343+/-0.056 χ^2/NDF:414205.9/22

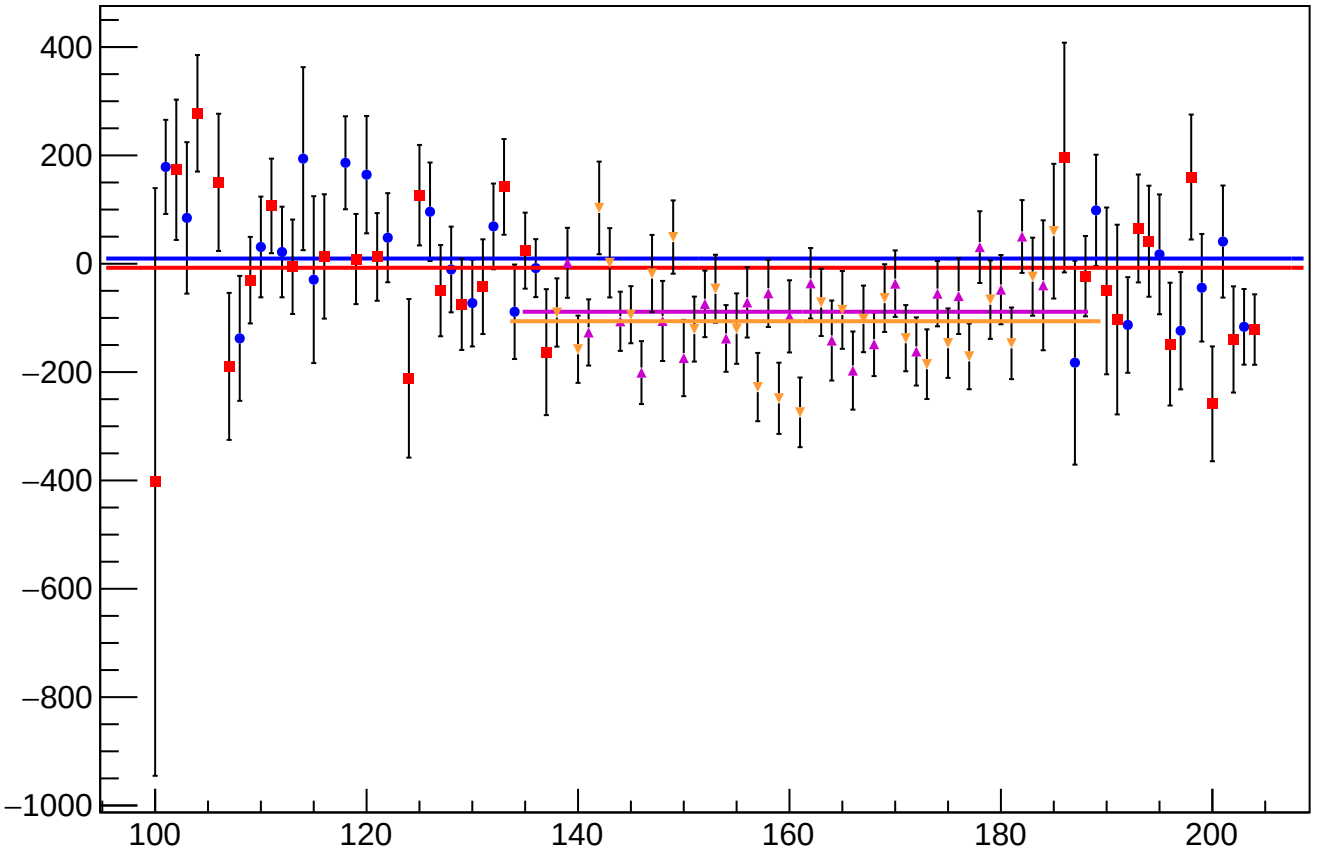
Left: 336.112+/-0.039 χ^2/NDF: 948074.8/47

Right: 549.954+/-0.077 χ^2/NDF: 5765401.8/53

In: 377.293+/-0.050 χ^2/NDF:5487346.4/46

Out: 382.276+/-0.049 χ^2/NDF:7357339.4/54

All: 379.847+/-0.035 χ^2/NDF: 12849801.8/10



Right In: 9.619+/-18.701 χ^2/NDF: 26.4/23

Left Out: -106.099+/-13.089 χ^2/NDF:40.7/24

Right Out: -7.420+/-17.968 χ^2/NDF: 41.0/29

Left In: -88.621+/-13.566 χ^2/NDF:23.9/22

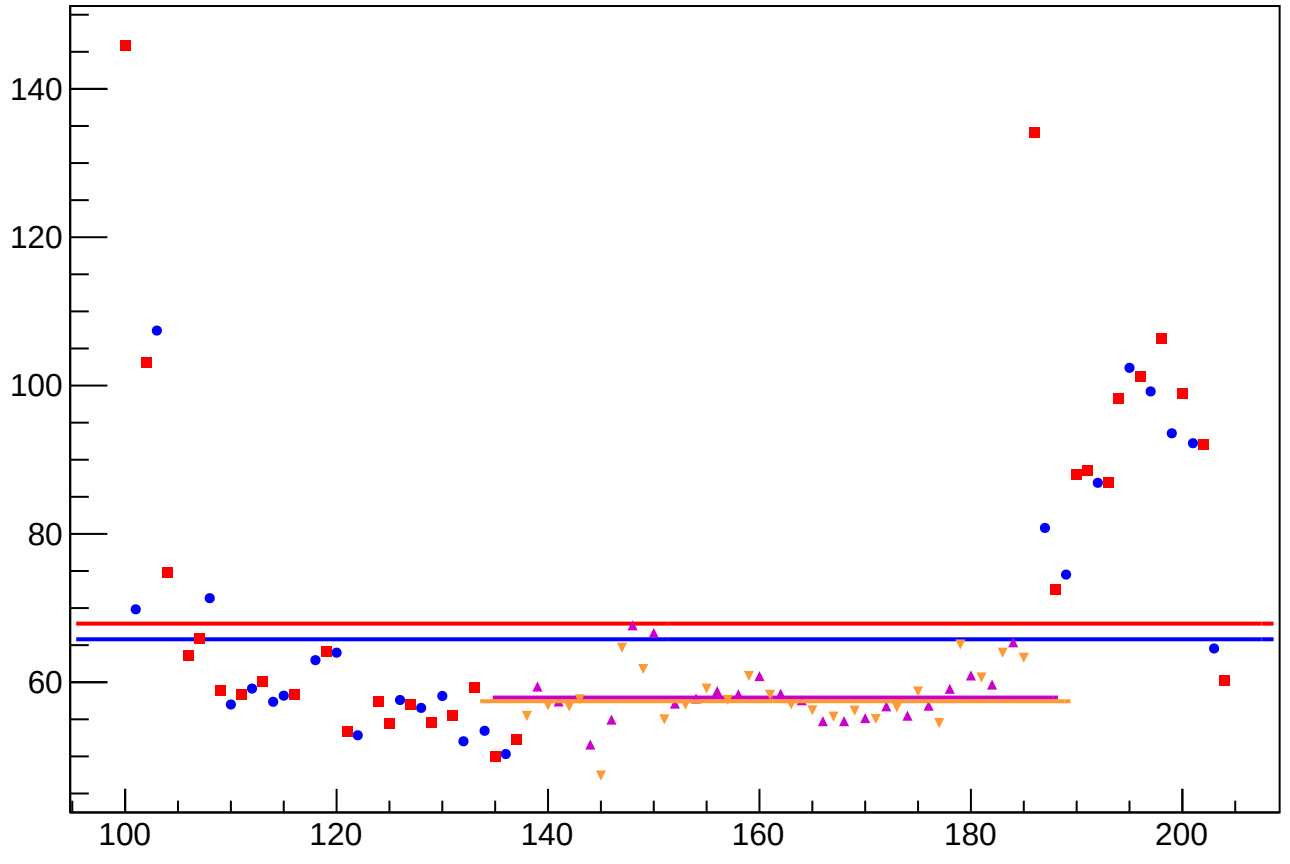
Left: -97.673+/-9.420 χ^2/NDF: 65.4/47

Right: 0.759+/-12.957 χ^2/NDF: 67.8/53

In: -54.749+/-10.981 χ^2/NDF:68.4/46

Out: -71.888+/-10.580 χ^2/NDF:101.4/54

All: -63.637+/-7.619 χ^2/NDF: 171.0/101



Right In: 65.791+/-0.013 χ^2/NDF: 1447291.5/23

Left Out: 57.440+/-0.009 χ^2/NDF:174555.9/24

Right Out: 67.904+/-0.013 χ^2/NDF: 1938883.0/29

Left In: 57.933+/-0.010 χ^2/NDF:135903.0/22

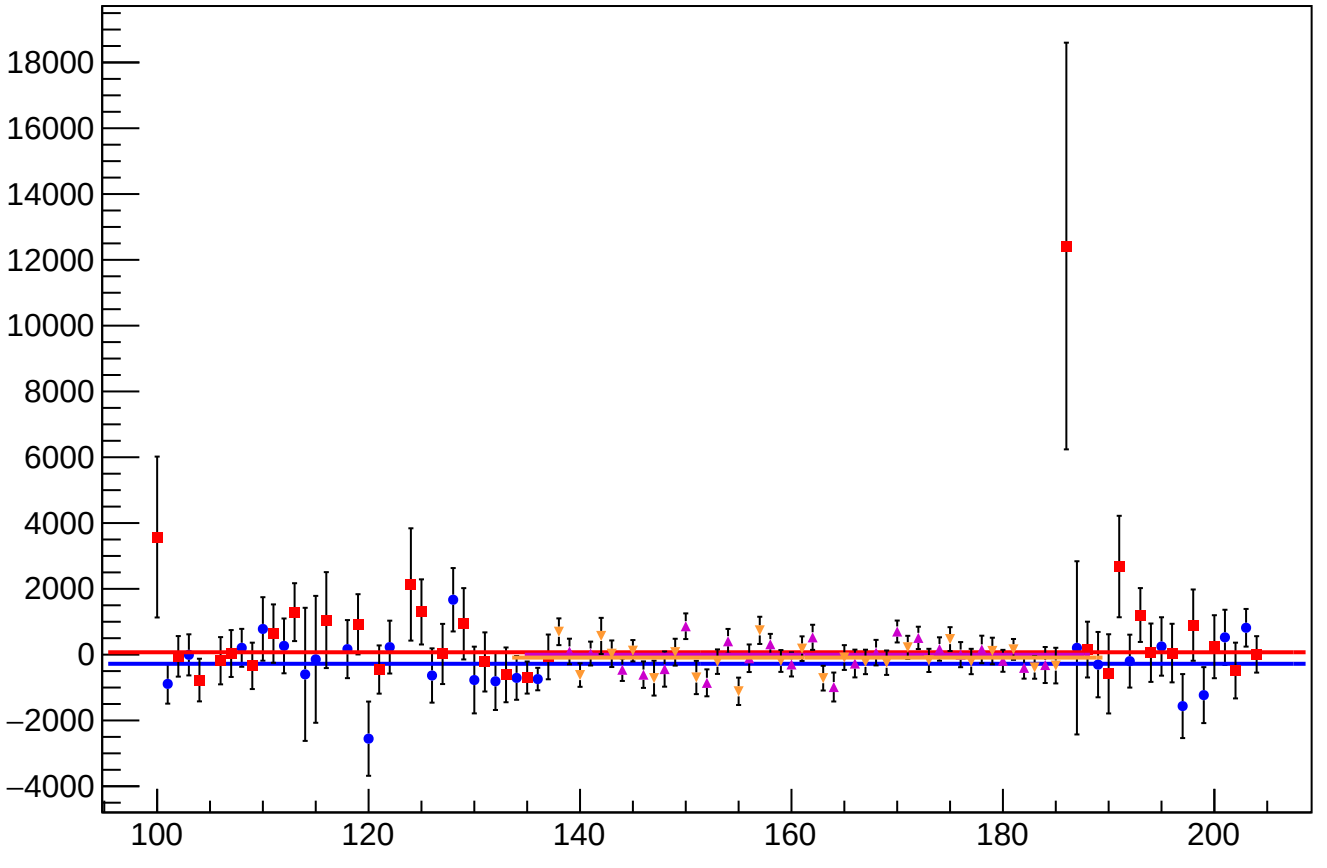
Left: 57.678+/-0.007 χ^2/NDF: 311823.9/47

Right: 66.889+/-0.009 χ^2/NDF: 3399455.4/53

In: 60.642+/-0.008 χ^2/NDF:1814550.7/46

Out: 61.068+/-0.007 χ^2/NDF:2556565.2/54

All: 60.863+/-0.005 χ^2/NDF: 4372676.3/101



Right In: -277.744+/-155.140 χ^2/NDF: 23.4/23

Left Out: -89.061+/-77.011 χ^2/NDF:29.9/24

Right Out: 72.399+/-152.859 χ^2/NDF: 25.5/29

Left In: -3.047+/-79.193 χ^2/NDF:33.6/22

Left: -47.256+/-55.210 χ^2/NDF: 64.1/47

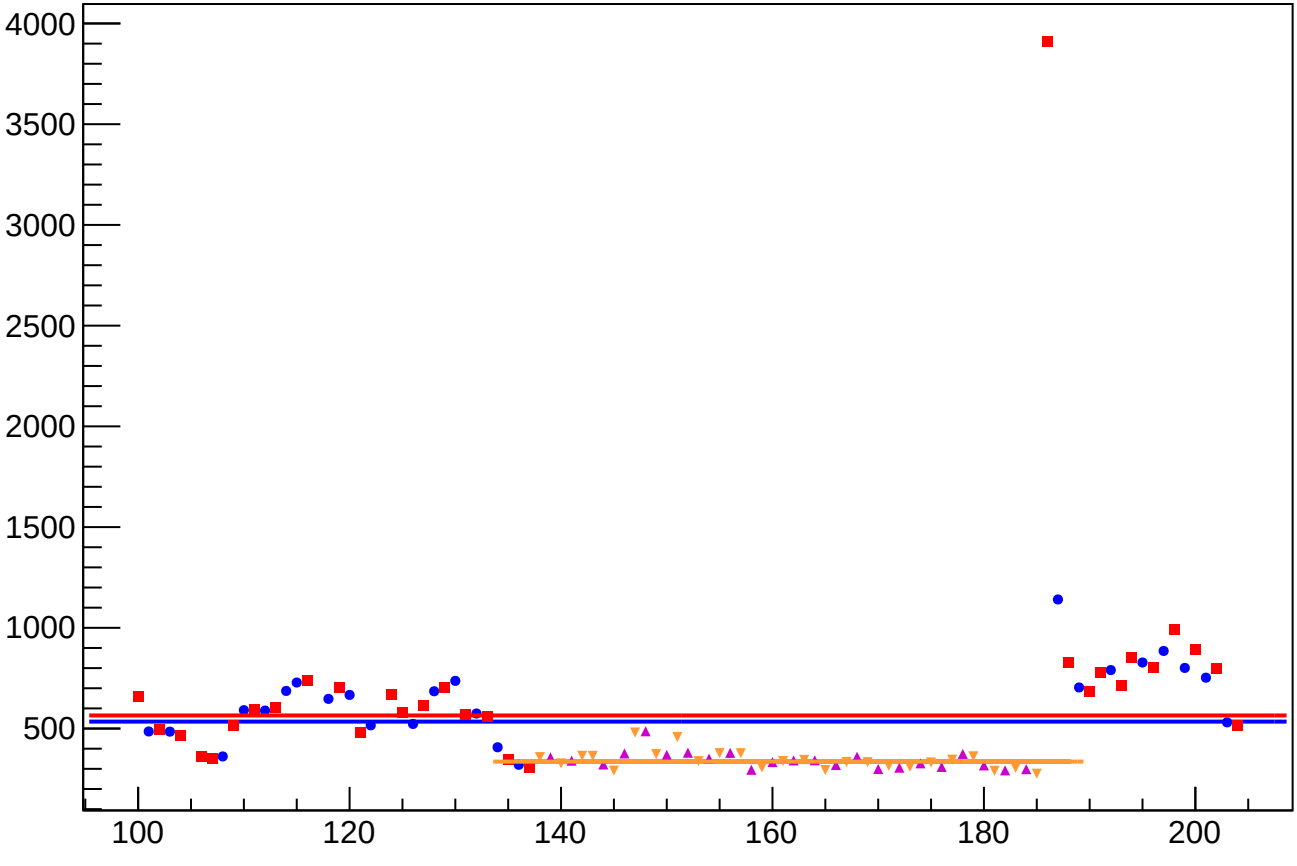
Right: -100.079+/-108.885 χ^2/NDF: 51.5/53

In: -59.830+/-70.535 χ^2/NDF:59.5/46

Out: -56.375+/-68.776 χ^2/NDF:56.3/54

All: -58.059+/-49.242 χ^2/NDF: 115.8/101

asym_sam_13_57_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 534.447+/-0.110 χ^2/NDF: 2486112.8/23

Left Out: 335.894+/-0.054 χ^2/NDF:533835.9/24

Right Out: 565.009+/-0.108 χ^2/NDF: 3239906.9/29

Left In: 336.343+/-0.056 χ^2/NDF:414205.9/22

Left: 336.112+/-0.039 χ^2/NDF: 948074.8/47

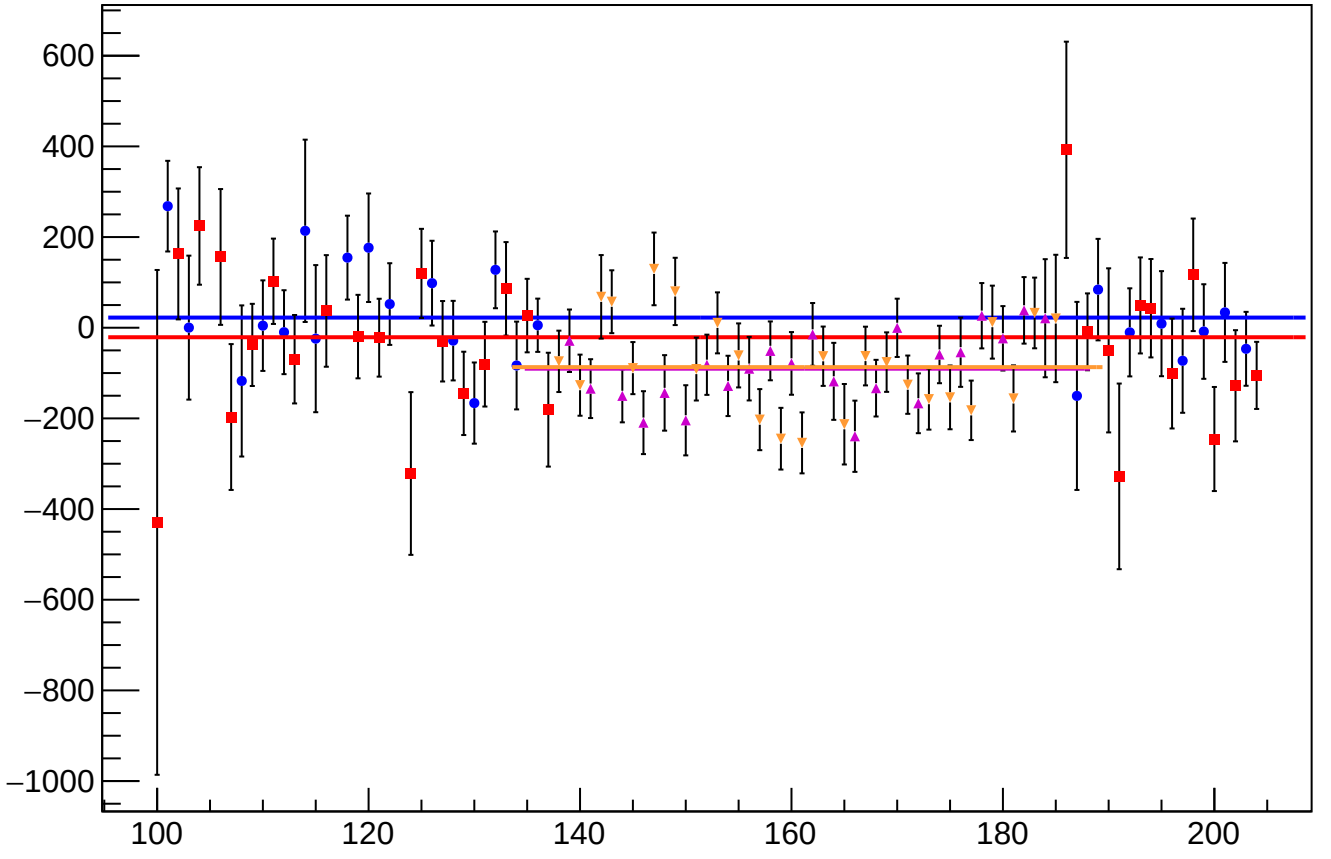
Right: 549.954+/-0.077 χ^2/NDF: 5765401.8/53

In: 377.293+/-0.050 χ^2/NDF:5487346.4/46

Out: 382.276+/-0.049 χ^2/NDF:7357339.4/54

All: 379.847+/-0.035 χ^2/NDF: 12849801.8/10

dit_asym_sam_13_57_dd_mean vs Slug, Sign Corrected



Right In: 22.369+/-20.604 χ^2/NDF: 22.6/23

Left Out: -86.957+/-14.175 χ^2/NDF:48.8/24

Right Out: -20.988+/-19.999 χ^2/NDF: 34.3/29

Left In: -90.363+/-14.656 χ^2/NDF:25.0/22

Left: -88.603+/-10.189 χ^2/NDF: 73.9/47

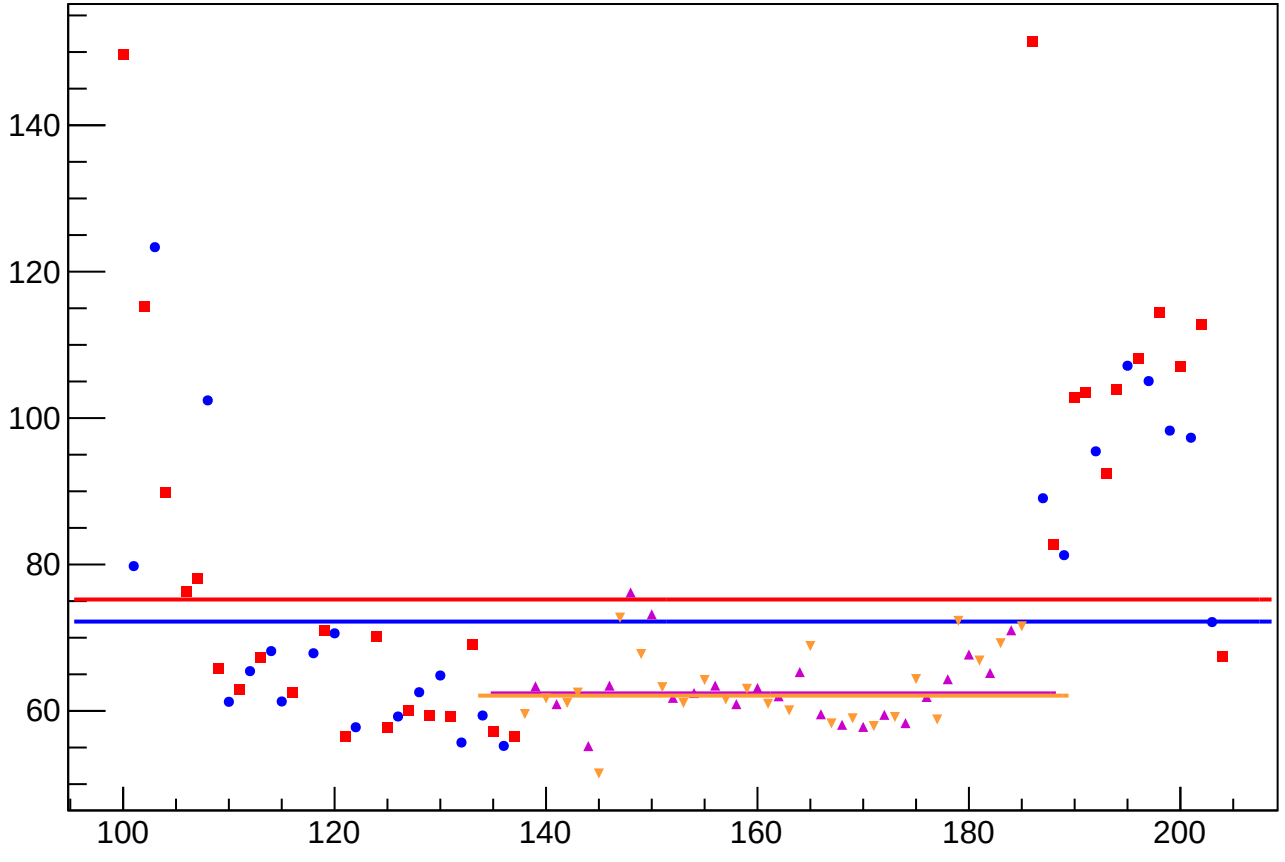
Right: 0.046+/-14.351 χ^2/NDF: 59.2/53

In: -52.485+/-11.943 χ^2/NDF:67.5/46

Out: -64.899+/-11.565 χ^2/NDF:90.4/54

All: -58.892+/-8.308 χ^2/NDF: 158.4/101

dit_asym_sam_13_57_dd_rms vs Slug, Sign Corrected



Right In: 72.204+/-0.015 χ^2/NDF: 1457561.2/23

Left Out: 62.093+/-0.010 χ^2/NDF:233343.0/24

Right Out: 75.221+/-0.014 χ^2/NDF: 2005929.6/29

Left In: 62.395+/-0.010 χ^2/NDF:188814.3/22

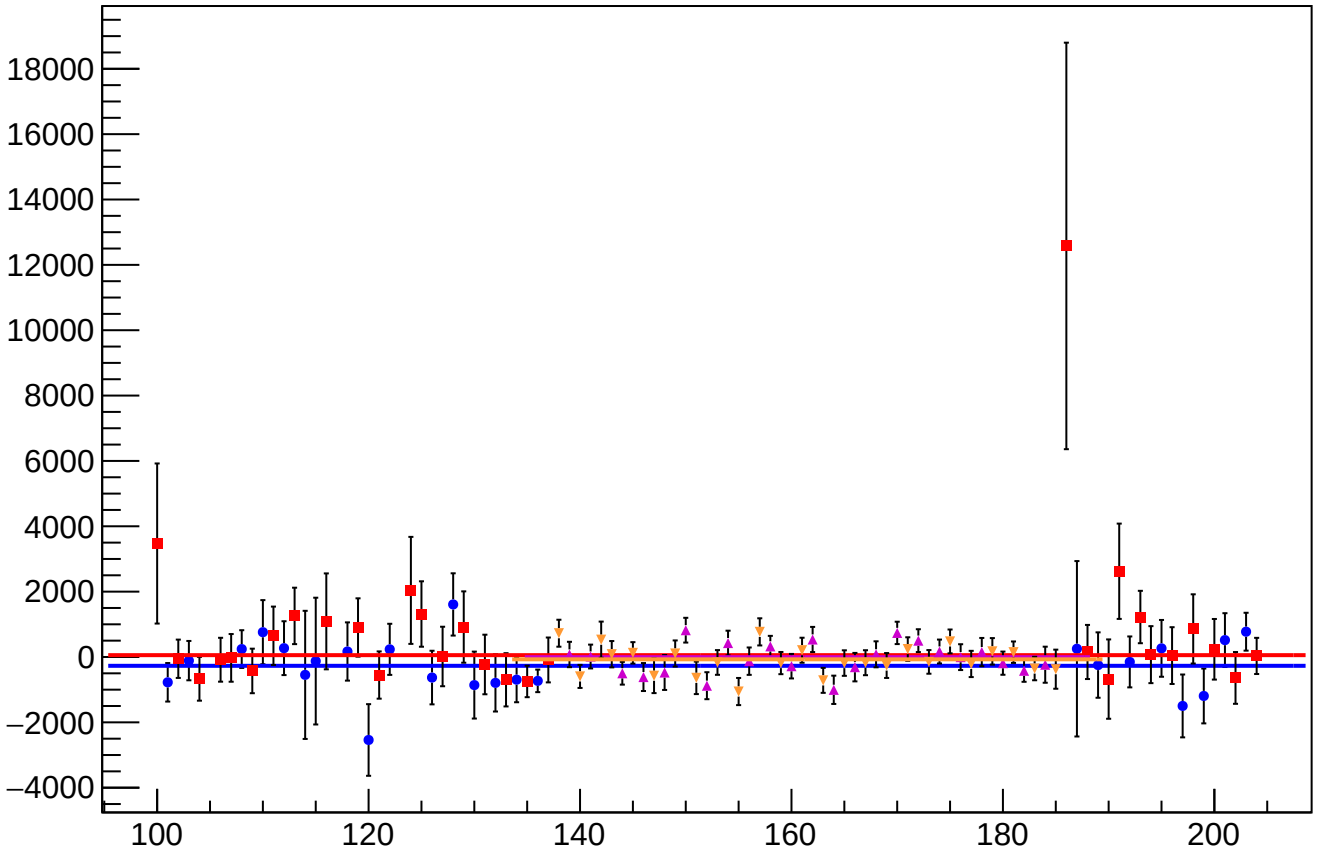
Left: 62.239+/-0.007 χ^2/NDF: 422596.0/47

Right: 73.758+/-0.010 χ^2/NDF: 3485571.7/53

In: 65.691+/-0.008 χ^2/NDF:1947388.5/46

Out: 66.483+/-0.008 χ^2/NDF:2812923.6/54

All: 66.100+/-0.006 χ^2/NDF: 4764849.1/101



Right In: -270.006+/-154.647 χ^2/NDF: 22.5/23

Left Out: -71.324+/-78.399 χ^2/NDF:28.6/24

Right Out: 56.200+/-150.627 χ^2/NDF: 26.7/29

Left In: -6.134+/-80.760 χ^2/NDF:34.0/22

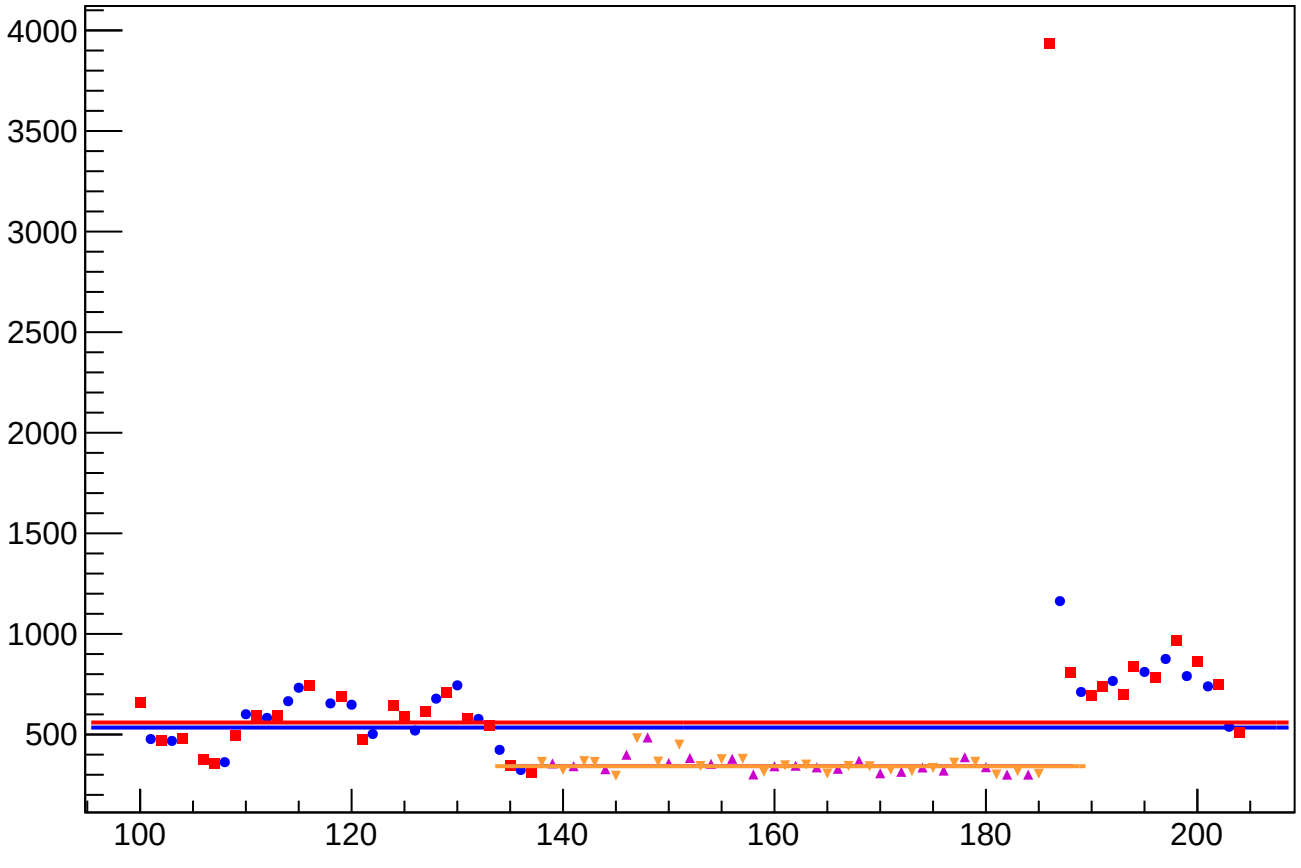
Left: -39.696+/-56.253 χ^2/NDF: 62.9/47

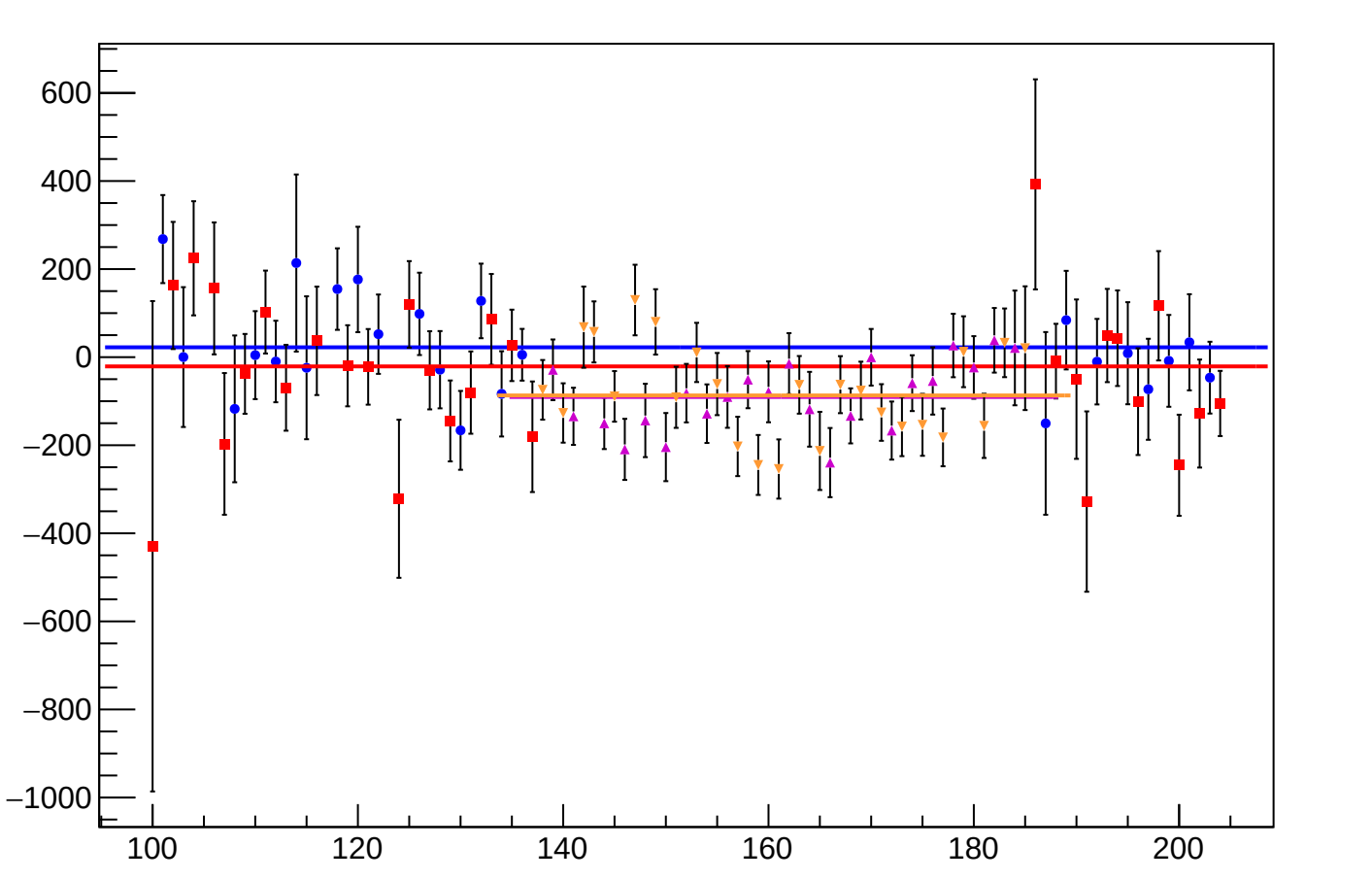
Right: -102.607+/-107.902 χ^2/NDF: 51.4/53

In: -62.676+/-71.586 χ^2/NDF:58.8/46

Out: -44.141+/-69.543 χ^2/NDF:55.8/54

All: -53.140+/-49.881 χ^2/NDF: 114.6/101


asym_sam_13_57_dd_dit_correction_rms vs Slug, Sign Corrected
4000
3500
3000
2500
2000
1500
1000
500
100
120
140
160
180
200
Right In: 534.553+/-0.109 χ²/NDF: 2373161.1/23
Left Out: 342.502+/-0.055 χ²/NDF:434208.3/24
Right Out: 559.678+/-0.107 χ²/NDF: 3084681.7/29
Left In: 343.245+/-0.057 χ²/NDF:372991.6/22
Left: 342.863+/-0.040 χ²/NDF: 807286.9/47
Right: 547.447+/-0.076 χ²/NDF: 5484933.2/53
In: 384.238+/-0.051 χ²/NDF:5150977.0/46
Out: 388.796+/-0.049 χ²/NDF:6790310.3/54
All: 386.583+/-0.035 χ²/NDF: 11945458.5/10



Right In: 22.369+/-20.604 χ^2/NDF: 22.6/23

Left Out: -86.957+/-14.175 χ^2/NDF:48.8/24

Right Out: -20.988+/-19.999 χ^2/NDF: 34.3/29

Left In: -90.363+/-14.656 χ^2/NDF:25.0/22

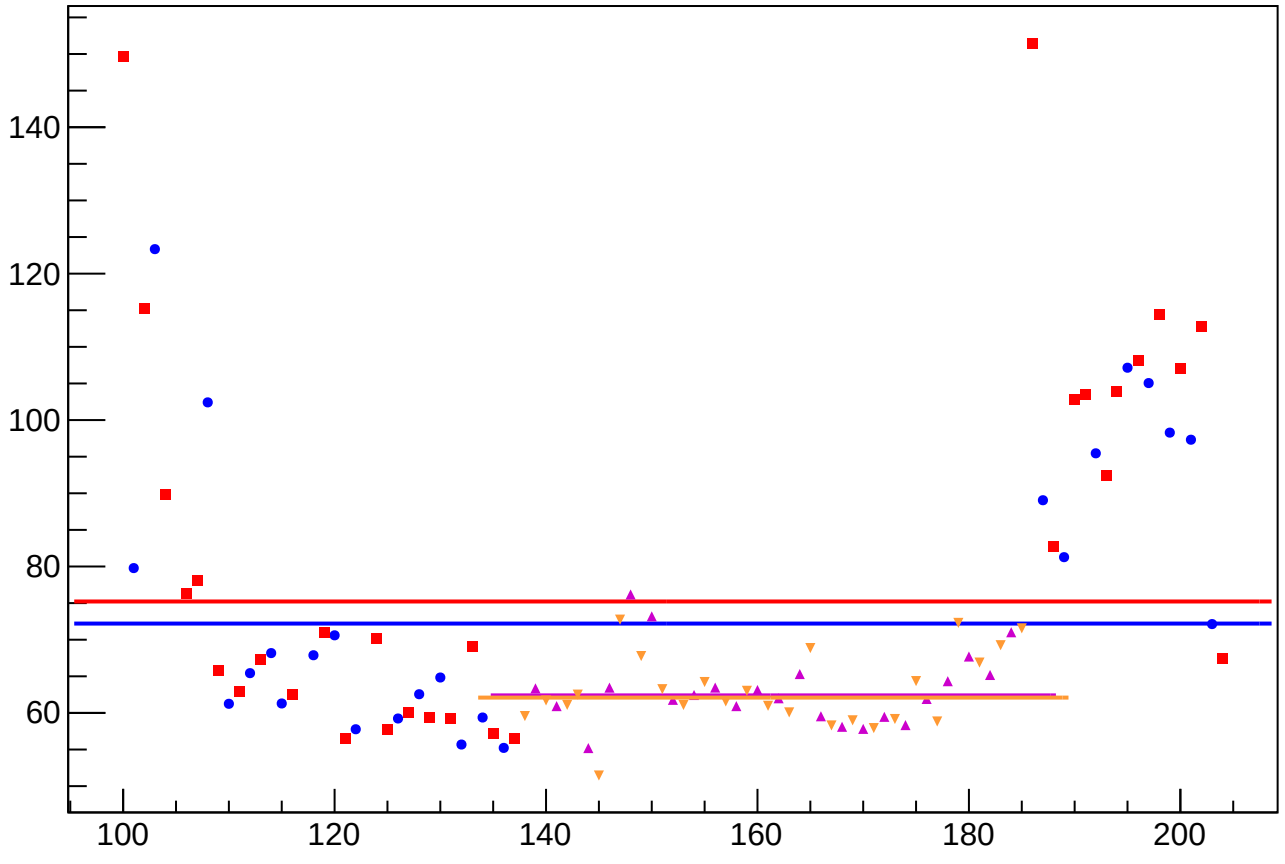
Left: -88.603+/-10.189 χ^2/NDF: 73.9/47

Right: 0.046+/-14.351 χ^2/NDF: 59.2/53

In: -52.485+/-11.943 χ^2/NDF:67.5/46

Out: -64.899+/-11.565 χ^2/NDF:90.4/54

All: -58.892+/-8.308 χ^2/NDF: 158.4/101



Right In: 72.204+/-0.015 χ^2/NDF: 1457582.7/23

Left Out: 62.093+/-0.010 χ^2/NDF:233347.2/24

Right Out: 75.221+/-0.014 χ^2/NDF: 2005932.2/29

Left In: 62.395+/-0.010 χ^2/NDF:188817.4/22

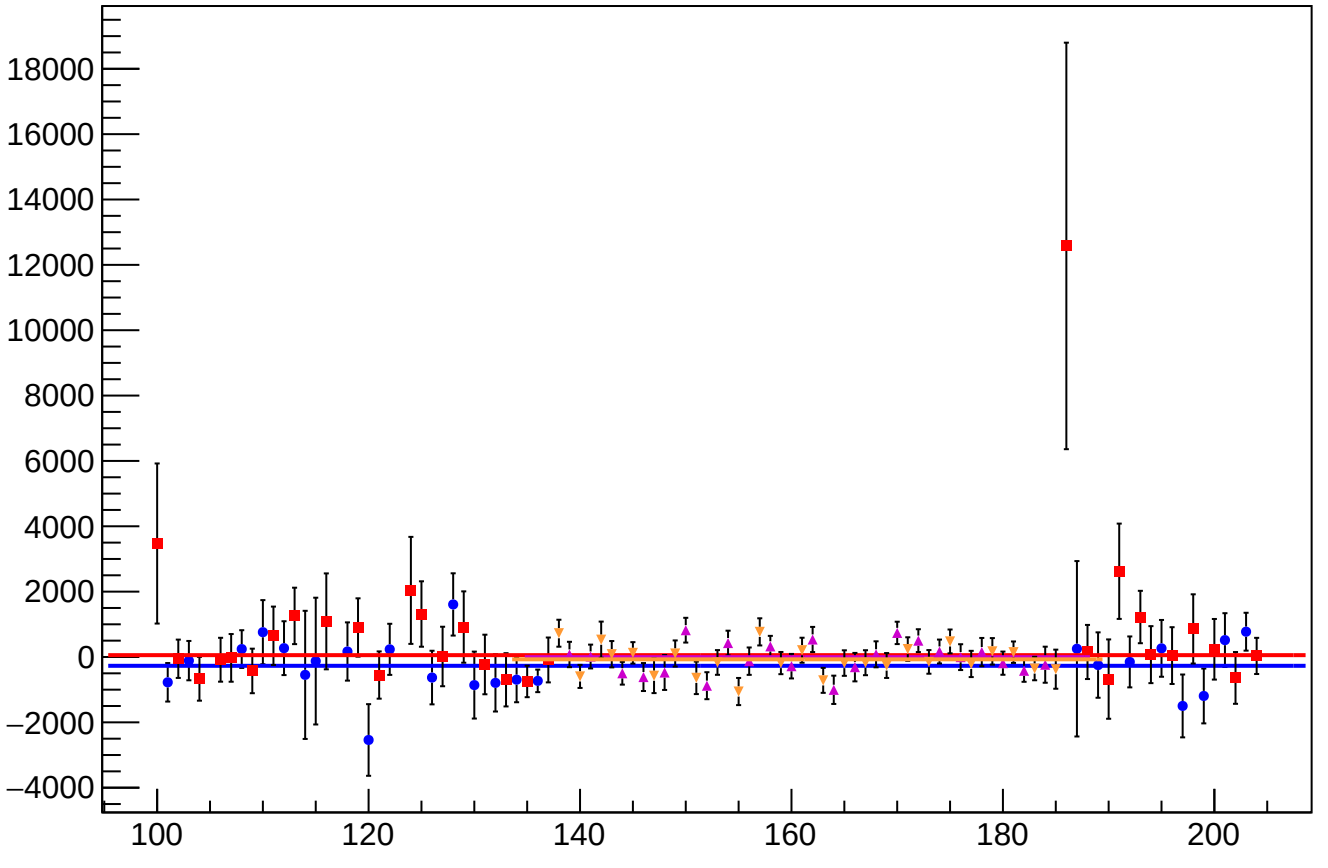
Left: 62.239+/-0.007 χ^2/NDF: 422603.3/47

Right: 73.758+/-0.010 χ^2/NDF: 3485596.0/53

In: 65.691+/-0.008 χ^2/NDF:1947406.9/46

Out: 66.483+/-0.008 χ^2/NDF:2812924.9/54

All: 66.100+/-0.006 χ^2/NDF: 4764868.6/101



Right In: -270.006+/-154.647 χ^2/NDF: 22.5/23

Left Out: -71.324+/-78.399 χ^2/NDF:28.6/24

Right Out: 56.199+/-150.626 χ^2/NDF: 26.7/29

Left In: -6.134+/-80.760 χ^2/NDF:34.0/22

Left: -39.696+/-56.253 χ^2/NDF: 62.9/47

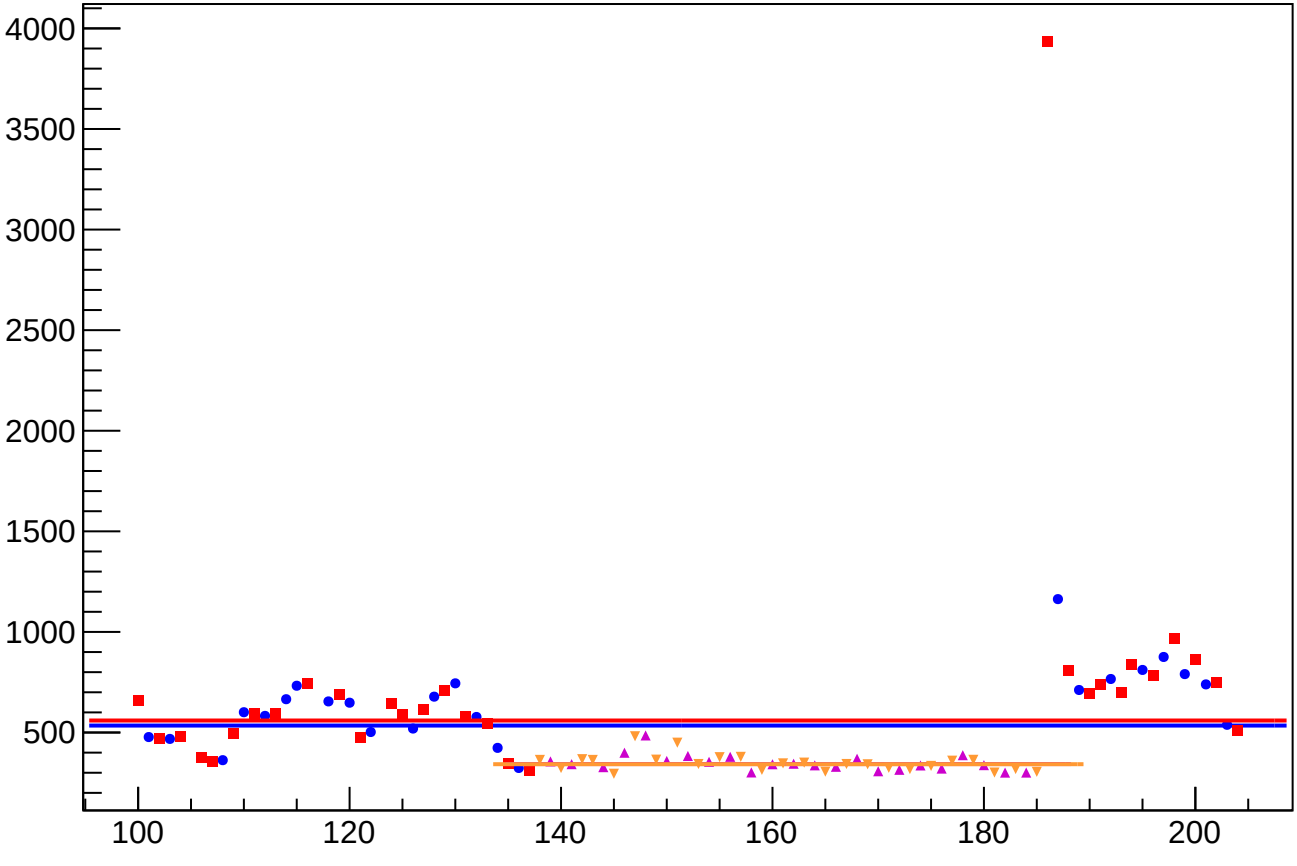
Right: -102.608+/-107.902 χ^2/NDF: 51.4/53

In: -62.676+/-71.586 χ^2/NDF:58.8/46

Out: -44.141+/-69.543 χ^2/NDF:55.8/54

All: -53.140+/-49.881 χ^2/NDF: 114.6/101

asym_sam_13_57_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 534.553+/-0.109 χ^2/NDF: 2373164.9/23

Left Out: 342.502+/-0.055 χ^2/NDF:434210.5/24

Right Out: 559.678+/-0.107 χ^2/NDF: 3084688.0/29

Left In: 343.245+/-0.057 χ^2/NDF:372993.5/22

Left: 342.863+/-0.040 χ^2/NDF: 807291.0/47

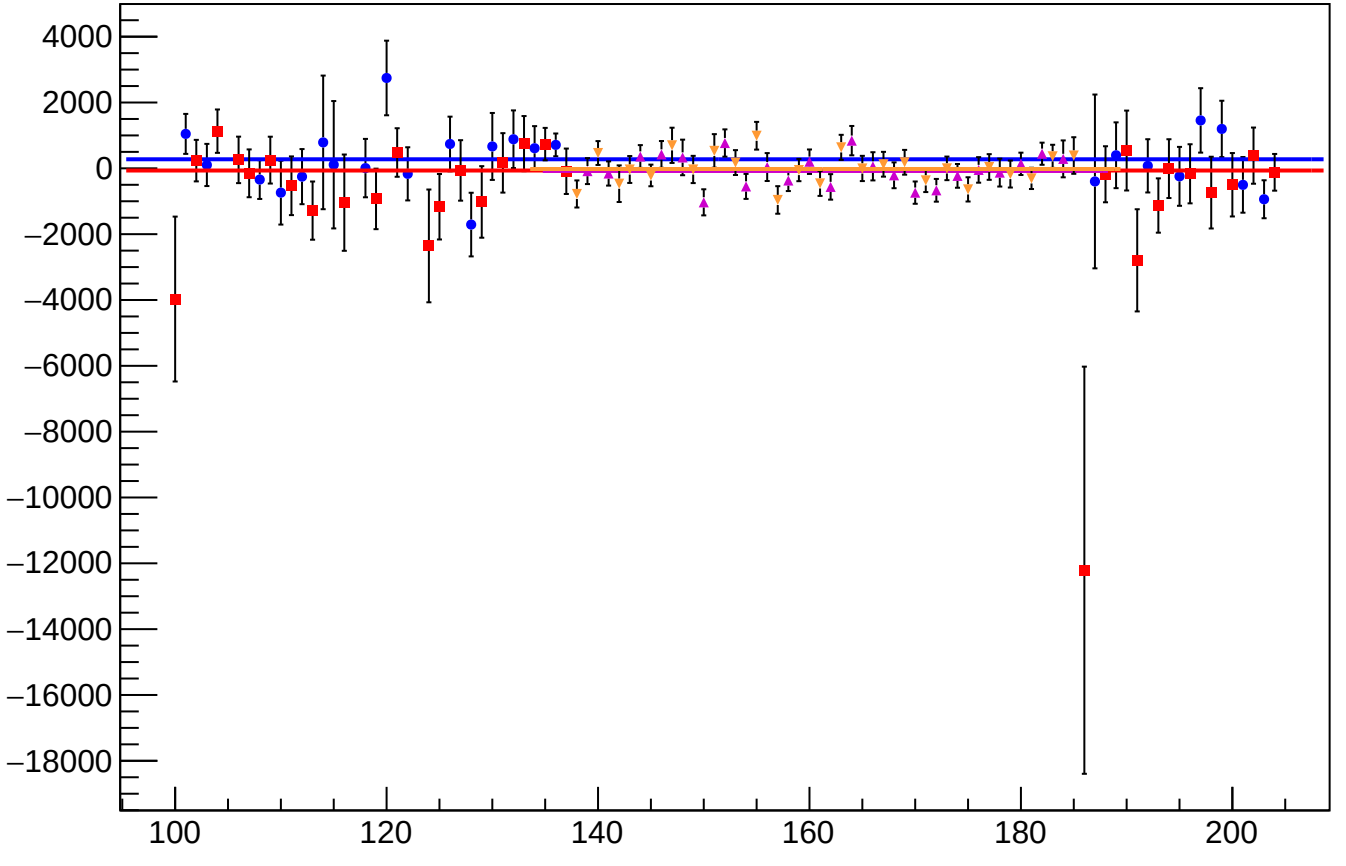
Right: 547.446+/-0.076 χ^2/NDF: 5484943.1/53

In: 384.238+/-0.051 χ^2/NDF:5150968.3/46

Out: 388.796+/-0.049 χ^2/NDF:6790302.5/54

All: 386.583+/-0.035 χ^2/NDF: 11945441.8/10

asym_sam_13_57_dd_mean vs Slug, Sign Corrected



Right In: 275.196+/-156.736 χ^2/NDF: 24.9/23

Left Out: -20.272+/-78.196 χ^2/NDF:31.4/24

Right Out: -66.152+/-154.108 χ^2/NDF: 27.6/29

Left In: -78.719+/-80.410 χ^2/NDF:32.9/22

Left: -48.680+/-56.059 χ^2/NDF: 64.6/47

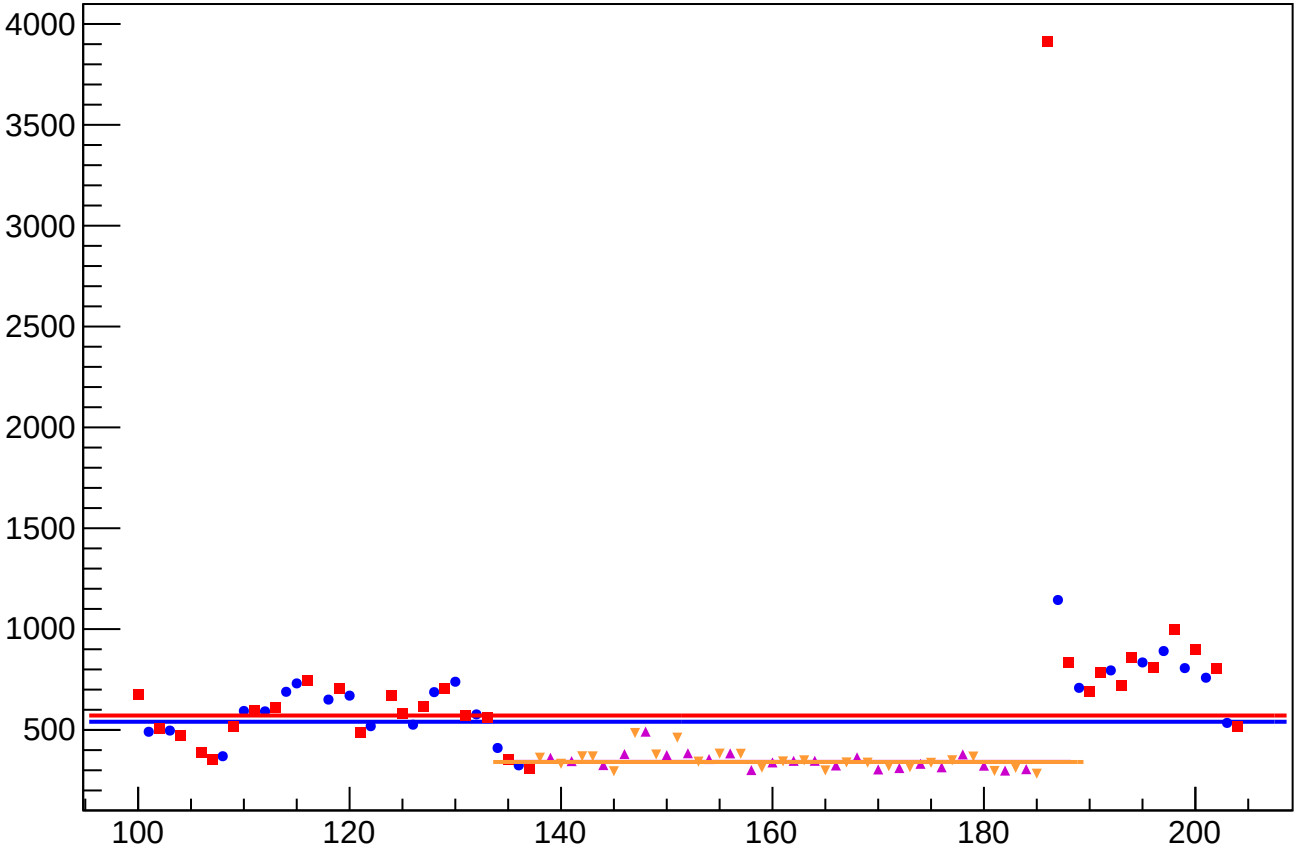
Right: 101.636+/-109.888 χ^2/NDF: 54.9/53

In: -4.978+/-71.544 χ^2/NDF:61.8/46

Out: -29.666+/-69.733 χ^2/NDF:59.2/54

All: -17.639+/-49.937 χ^2/NDF: 121.0/101

asym_sam_13_57_dd_rms vs Slug, Sign Corrected



Right In: 540.580+/-0.111 χ^2/NDF: 2432908.1/23

Left Out: 341.199+/-0.055 χ^2/NDF:510854.5/24

Right Out: 571.531+/-0.109 χ^2/NDF: 3161893.8/29

Left In: 341.622+/-0.057 χ^2/NDF:396885.0/22

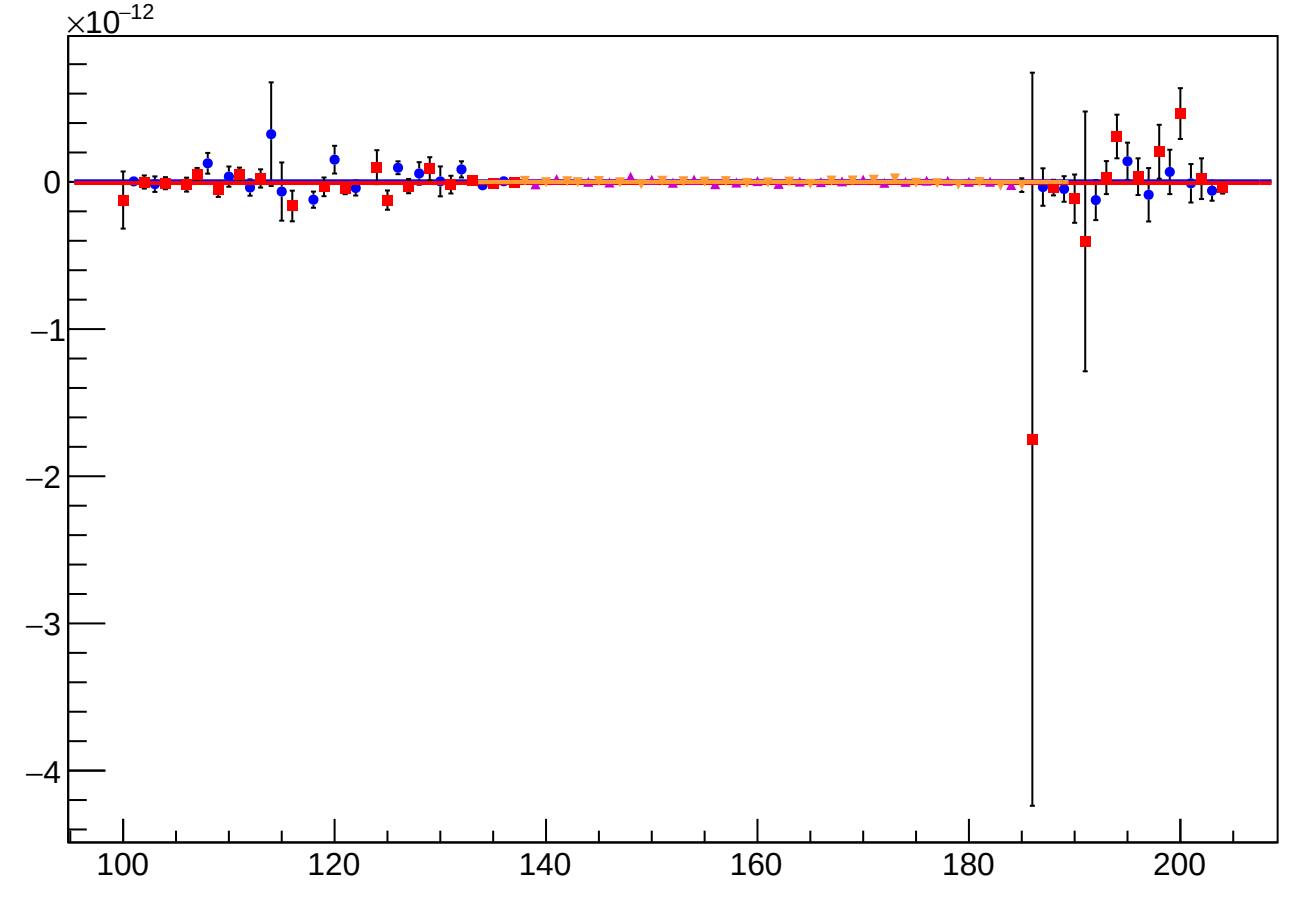
Left: 341.405+/-0.040 χ^2/NDF: 907768.0/47

Right: 556.317+/-0.078 χ^2/NDF: 5634458.1/53

In: 383.077+/-0.051 χ^2/NDF:5380976.4/46

Out: 388.360+/-0.049 χ^2/NDF:7225734.7/54

All: 385.786+/-0.035 χ^2/NDF: 12612303.2/10



Right In: 0.000+/-0.000 χ^2/NDF: 25.0/23

Left Out: -0.000+/-0.000 χ^2/NDF:19.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 29.7/29

Left In: 0.000+/-0.000 χ^2/NDF:14.4/22

Left: 0.000+/-0.000 χ^2/NDF: 34.2/47

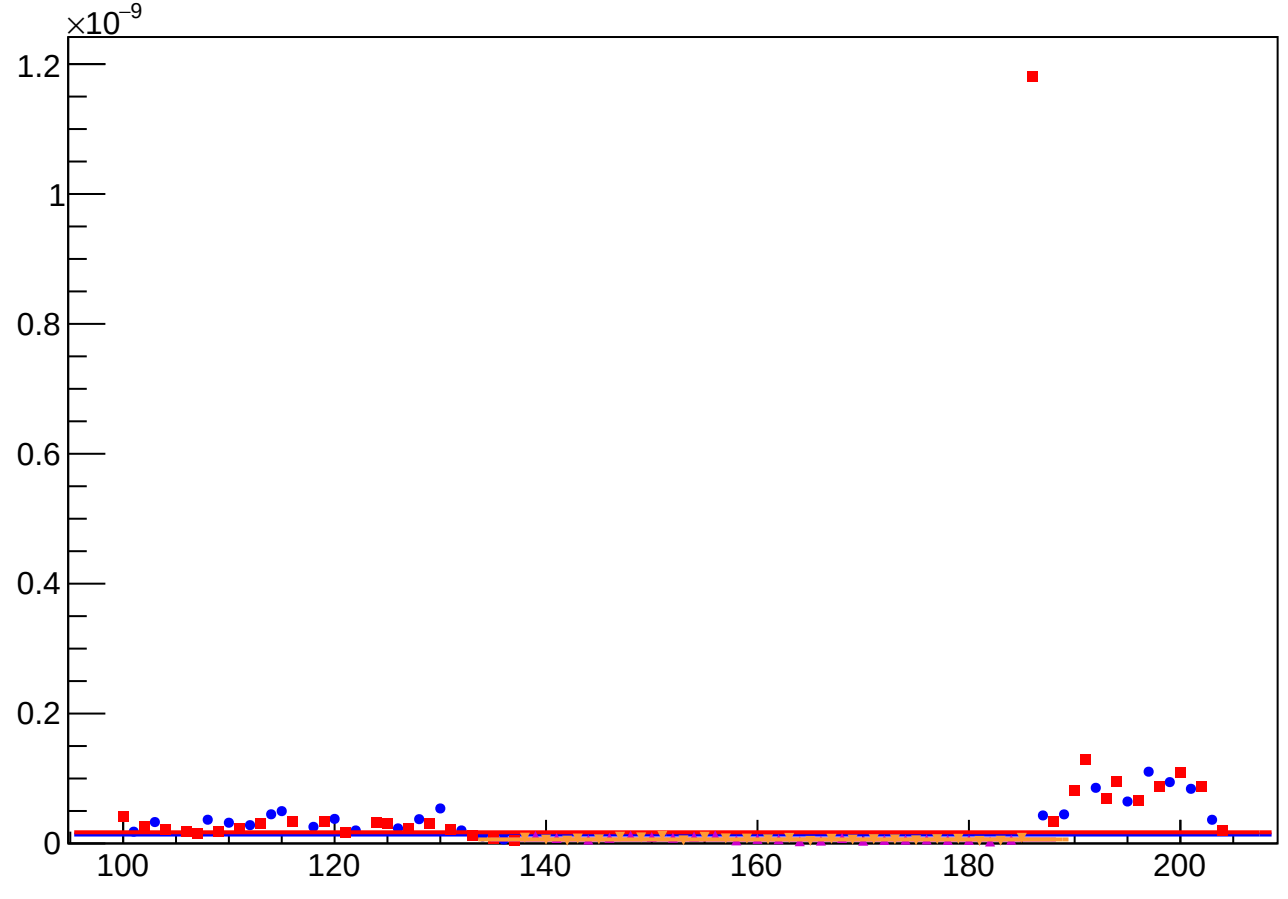
Right: -0.000+/-0.000 χ^2/NDF: 55.6/53

In: 0.000+/-0.000 χ^2/NDF:39.4/46

Out: -0.000+/-0.000 χ^2/NDF:49.5/54

All: 0.000+/-0.000 χ^2/NDF: 89.9/101

asym_sam_13_57_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 6145428.5/23

Left Out: 0.000+/-0.000 χ^2/NDF:1159883.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5621931.7/29

Left In: 0.000+/-0.000 χ^2/NDF:1660677.6/22

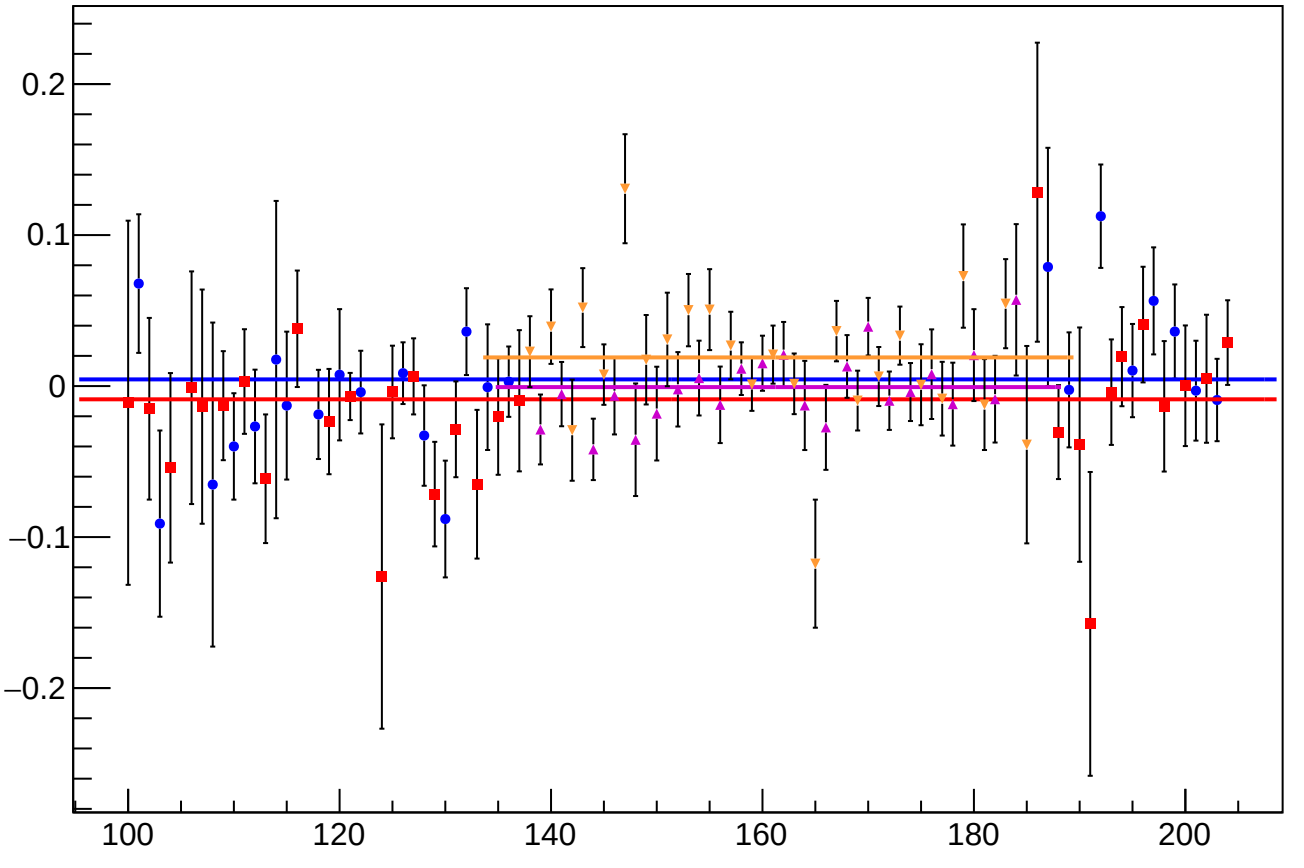
Left: 0.000+/-0.000 χ^2/NDF: 2824480.5/47

Right: 0.000+/-0.000 χ^2/NDF: 11937774.1/53

In: 0.000+/-0.000 χ^2/NDF:9522523.2/46

Out: 0.000+/-0.000 χ^2/NDF:9693568.8/54

All: 0.000+/-0.000 χ^2/NDF: 19225741.5/101



Right In: 0.004+/-0.007 χ^2/NDF: 30.5/23

Left Out: 0.019+/-0.005 χ^2/NDF:41.2/24

Right Out: -0.009+/-0.007 χ^2/NDF: 19.8/29

Left In: -0.001+/-0.005 χ^2/NDF:17.7/22

Left: 0.009+/-0.003 χ^2/NDF: 66.9/47

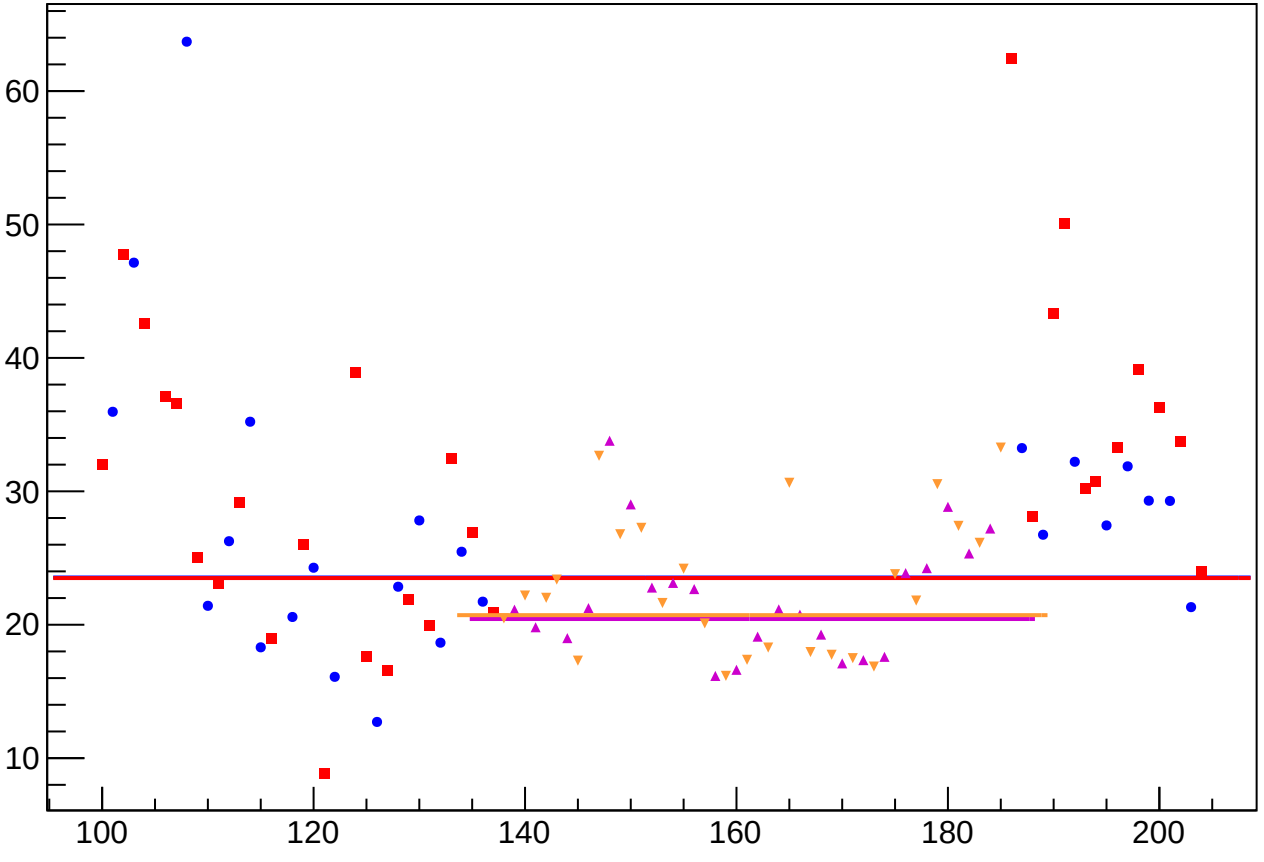
Right: -0.002+/-0.005 χ^2/NDF: 52.1/53

In: 0.001+/-0.004 χ^2/NDF:48.5/46

Out: 0.010+/-0.004 χ^2/NDF:72.0/54

All: 0.005+/-0.003 χ^2/NDF: 122.8/101

asym_sam_13_57_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 23.540+/-0.005 χ^2/NDF: 2070498.5/23

Left Out: 20.718+/-0.003 χ^2/NDF:1506374.1/24

Right Out: 23.499+/-0.005 χ^2/NDF: 4375056.0/29

Left In: 20.429+/-0.003 χ^2/NDF:1173949.1/22

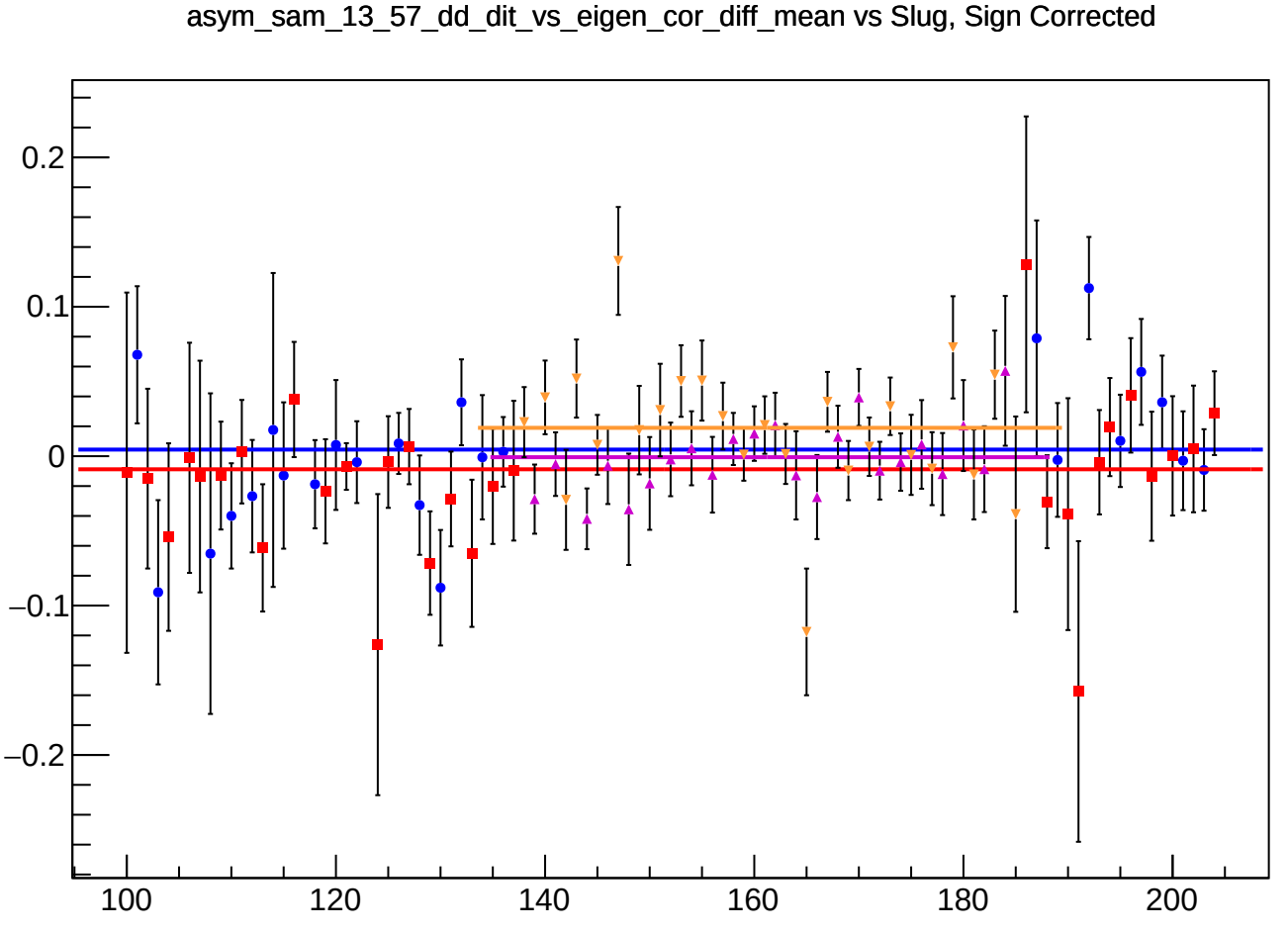
Left: 20.575+/-0.002 χ^2/NDF: 2683801.2/47

Right: 23.519+/-0.003 χ^2/NDF: 6445590.4/53

In: 21.458+/-0.003 χ^2/NDF:3507262.9/46

Out: 21.660+/-0.003 χ^2/NDF:6102352.7/54

All: 21.561+/-0.002 χ^2/NDF: 9612173.6/101



Right In: 0.004+/-0.007 χ^2/NDF: 30.5/23

Left Out: 0.019+/-0.005 χ^2/NDF:41.2/24

Right Out: -0.009+/-0.007 χ^2/NDF: 19.8/29

Left In: -0.001+/-0.005 χ^2/NDF:17.7/22

Left: 0.009+/-0.003 χ^2/NDF: 66.9/47

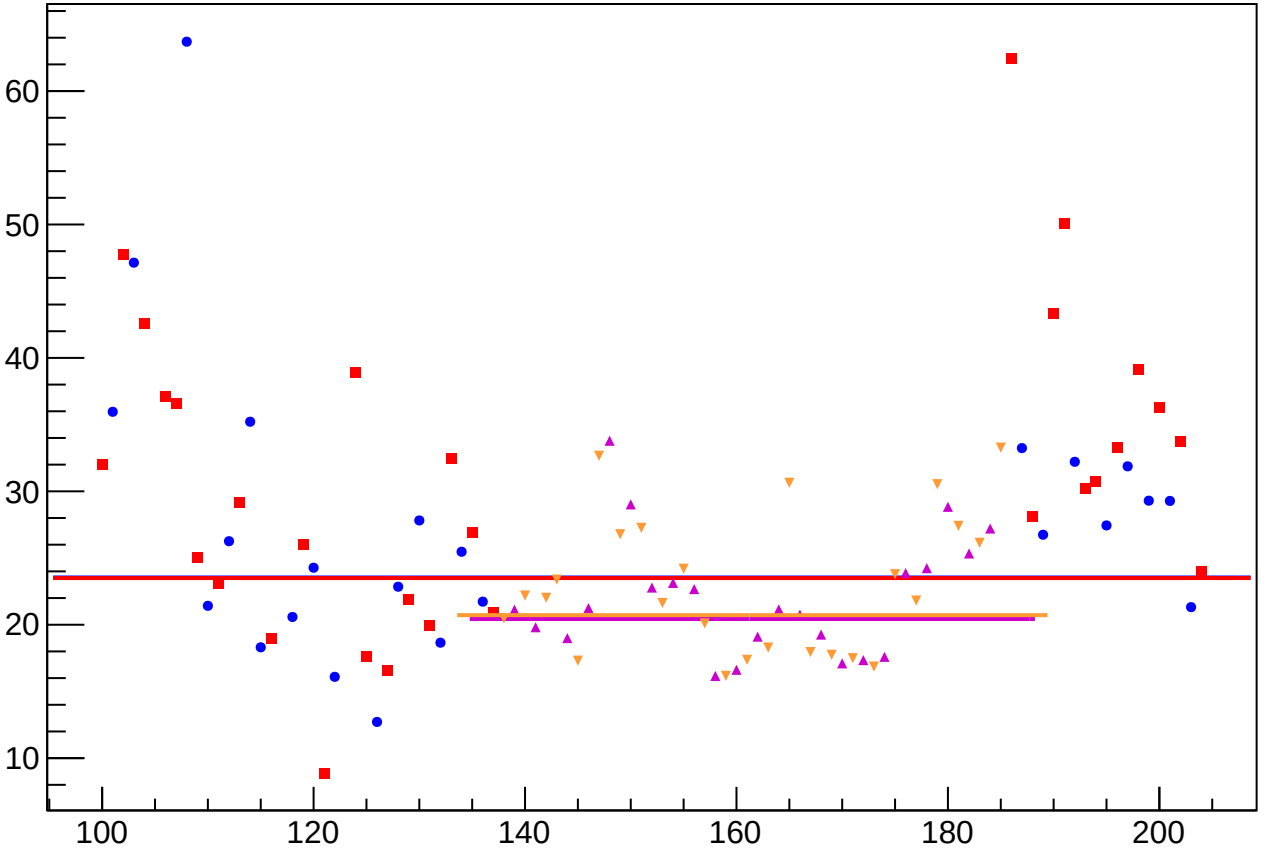
Right: -0.002+/-0.005 χ^2/NDF: 52.1/53

In: 0.001+/-0.004 χ^2/NDF:48.5/46

Out: 0.010+/-0.004 χ^2/NDF:72.0/54

All: 0.005+/-0.003 χ^2/NDF: 122.8/101

asym_sam_13_57_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 23.540+/-0.005 χ^2/NDF: 2070498.5/23

Left Out: 20.718+/-0.003 χ^2/NDF:1506374.1/24

Right Out: 23.499+/-0.005 χ^2/NDF: 4375056.0/29

Left In: 20.429+/-0.003 χ^2/NDF:1173949.1/22

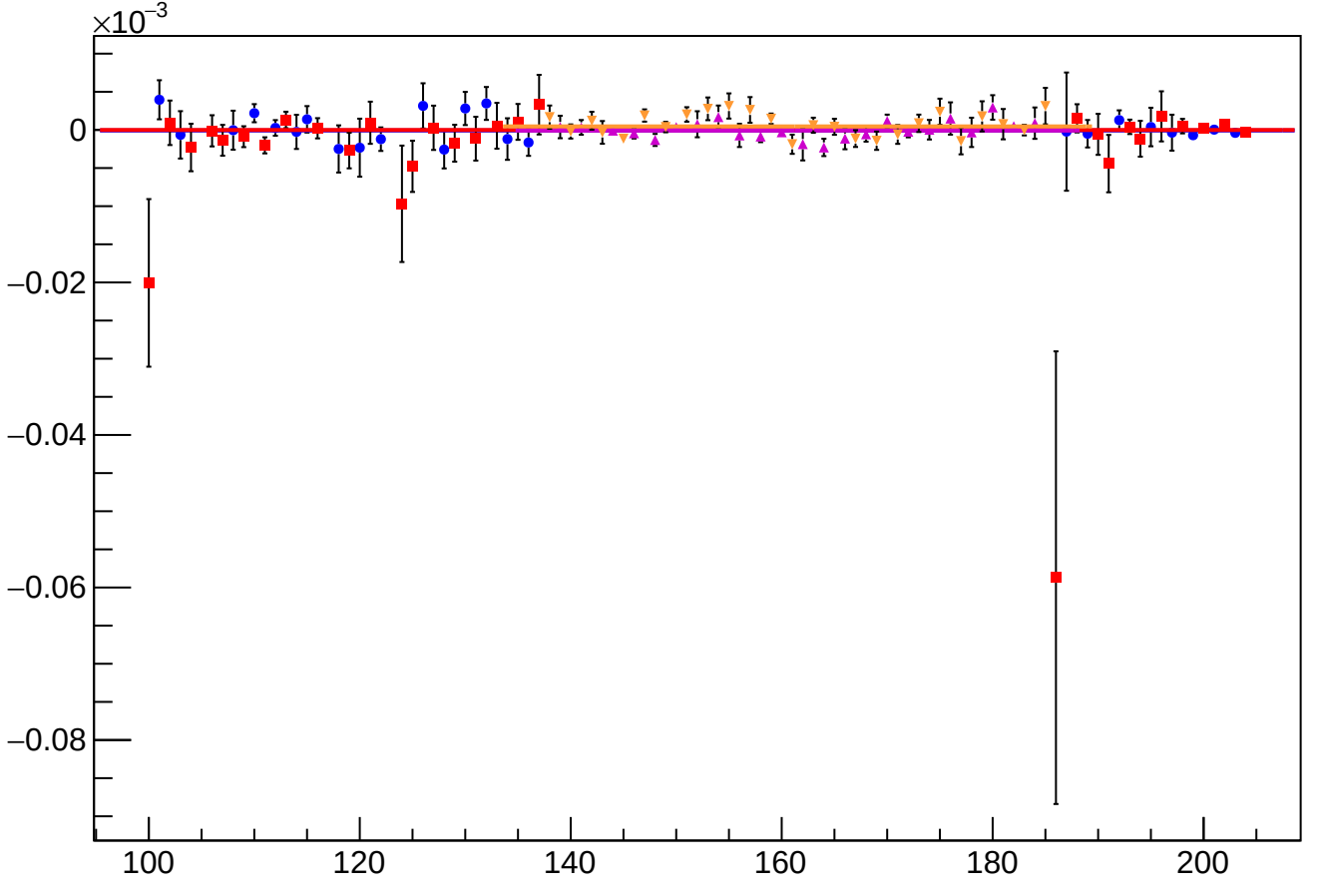
Left: 20.575+/-0.002 χ^2/NDF: 2683801.2/47

Right: 23.519+/-0.003 χ^2/NDF: 6445590.4/53

In: 21.458+/-0.003 χ^2/NDF:3507262.9/46

Out: 21.660+/-0.003 χ^2/NDF:6102352.7/54

All: 21.561+/-0.002 χ^2/NDF: 9612173.6/101



Right In: -0.000+/-0.000 χ^2/NDF: 19.6/23

Left Out: 0.000+/-0.000 χ^2/NDF:36.7/24

Right Out: -0.000+/-0.000 χ^2/NDF: 25.8/29

Left In: -0.000+/-0.000 χ^2/NDF:19.5/22

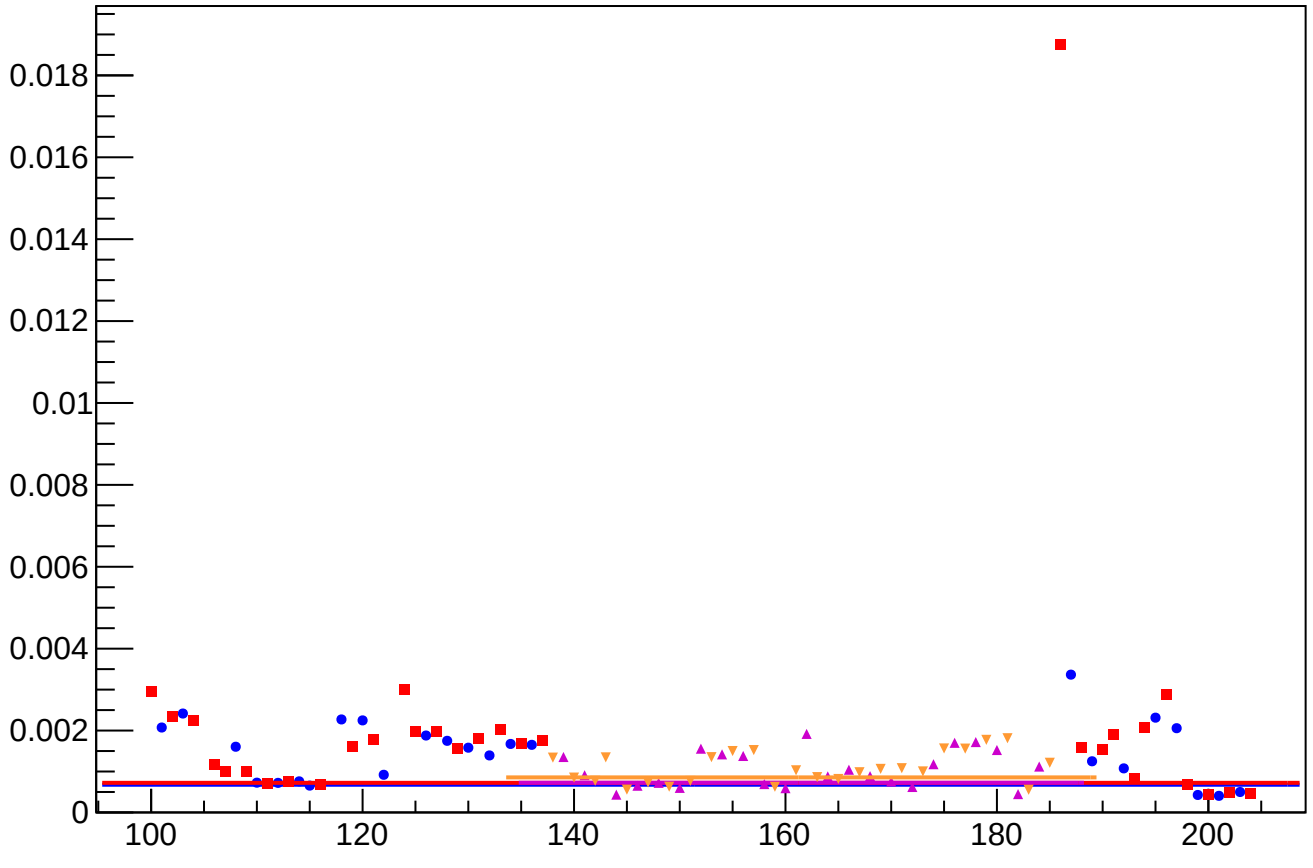
Left: 0.000+/-0.000 χ^2/NDF: 59.9/47

Right: -0.000+/-0.000 χ^2/NDF: 45.5/53

In: -0.000+/-0.000 χ^2/NDF:39.1/46

Out: 0.000+/-0.000 χ^2/NDF:64.9/54

All: 0.000+/-0.000 χ^2/NDF: 106.3/101



Right In: 0.001+/-0.000 χ^2/NDF: 8257049.2/23

Left Out: 0.001+/-0.000 χ^2/NDF:4439075.2/24

Right Out: 0.001+/-0.000 χ^2/NDF: 8814897.8/29

Left In: 0.001+/-0.000 χ^2/NDF:5805288.5/22

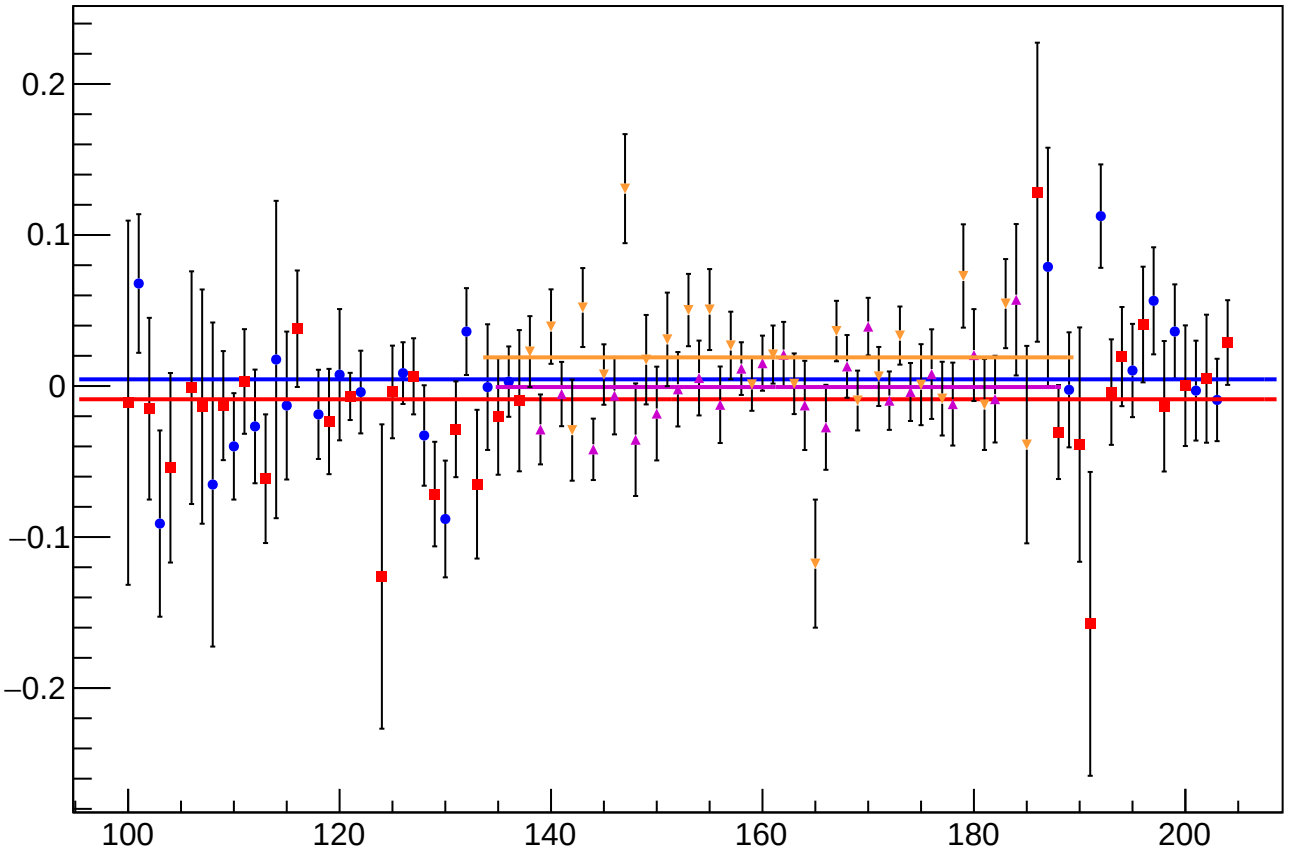
Left: 0.001+/-0.000 χ^2/NDF: 10673329.7/47

Right: 0.001+/-0.000 χ^2/NDF: 17112261.3/53

In: 0.001+/-0.000 χ^2/NDF:14115163.3/46

Out: 0.001+/-0.000 χ^2/NDF:13614038.3/54

All: 0.001+/-0.000 χ^2/NDF: 28078767.7/101



Right In: 0.004+/-0.007 χ^2/NDF: 30.5/23

Left Out: 0.019+/-0.005 χ^2/NDF:41.2/24

Right Out: -0.009+/-0.007 χ^2/NDF: 19.8/29

Left In: -0.001+/-0.005 χ^2/NDF:17.7/22

Left: 0.009+/-0.003 χ^2/NDF: 66.9/47

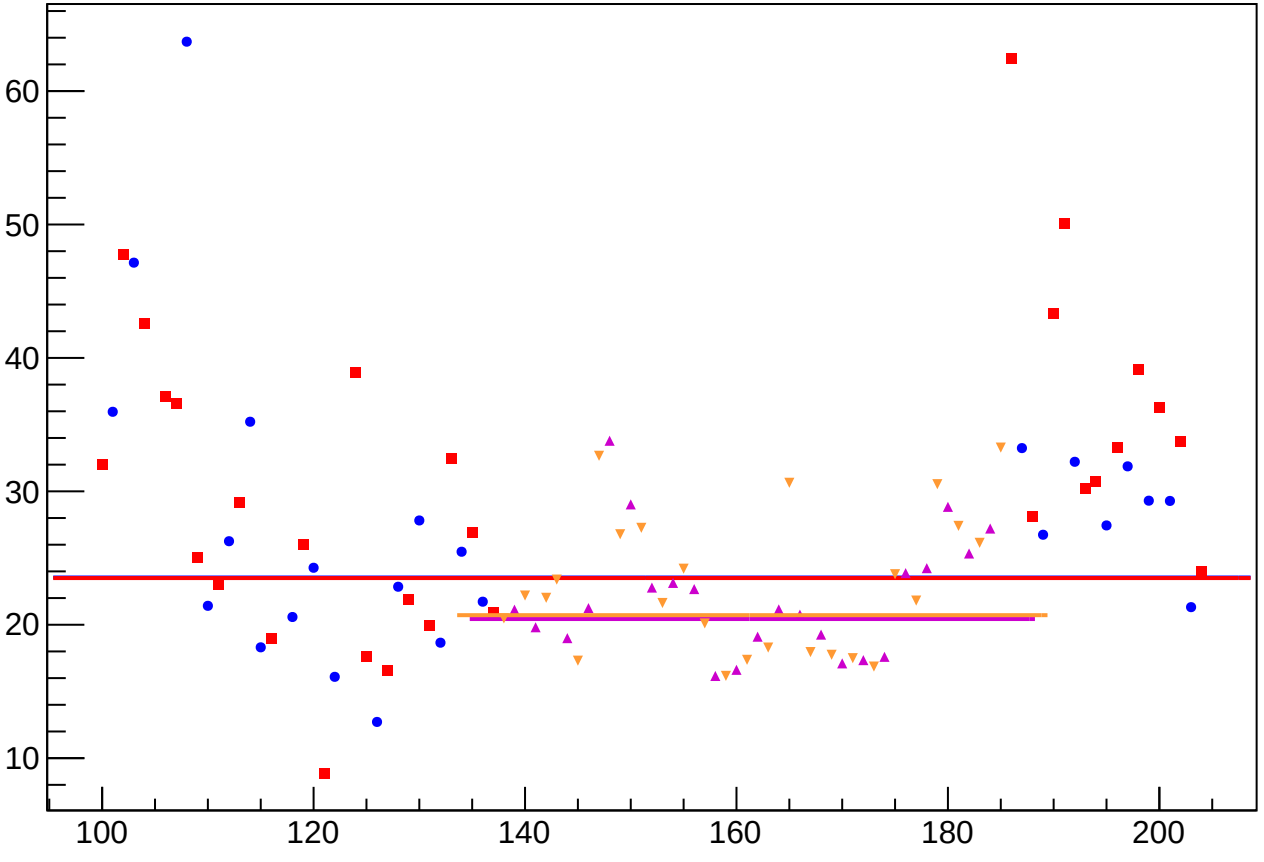
Right: -0.002+/-0.005 χ^2/NDF: 52.1/53

In: 0.001+/-0.004 χ^2/NDF:48.5/46

Out: 0.010+/-0.004 χ^2/NDF:72.0/54

All: 0.005+/-0.003 χ^2/NDF: 122.8/101

asym_sam_13_57_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 23.541+/-0.005 χ^2/NDF: 2070320.5/23

Left Out: 20.718+/-0.003 χ^2/NDF:1506475.9/24

Right Out: 23.499+/-0.005 χ^2/NDF: 4374476.9/29

Left In: 20.429+/-0.003 χ^2/NDF:1173995.4/22

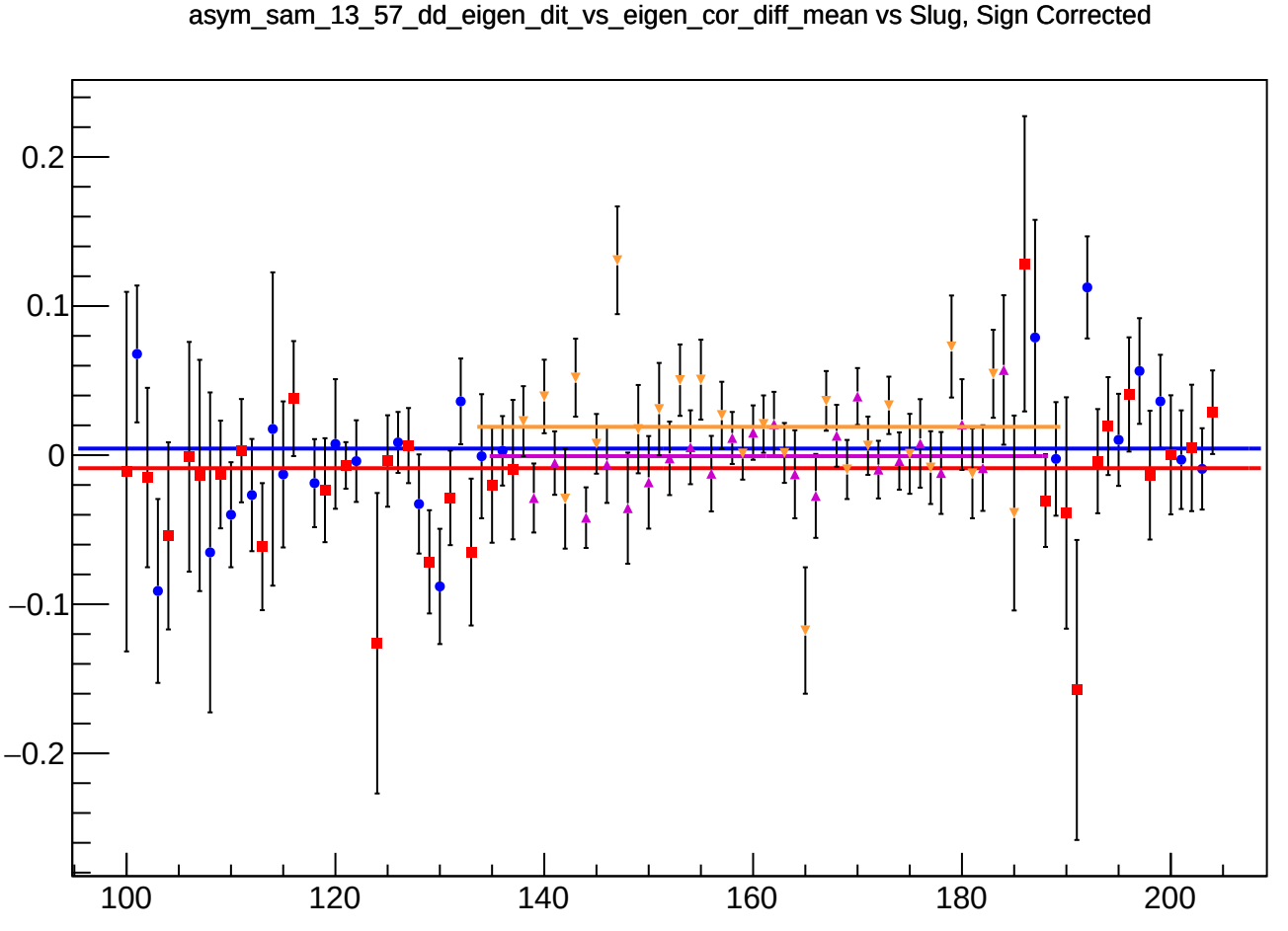
Left: 20.575+/-0.002 χ^2/NDF: 2683947.4/47

Right: 23.519+/-0.003 χ^2/NDF: 6444832.9/53

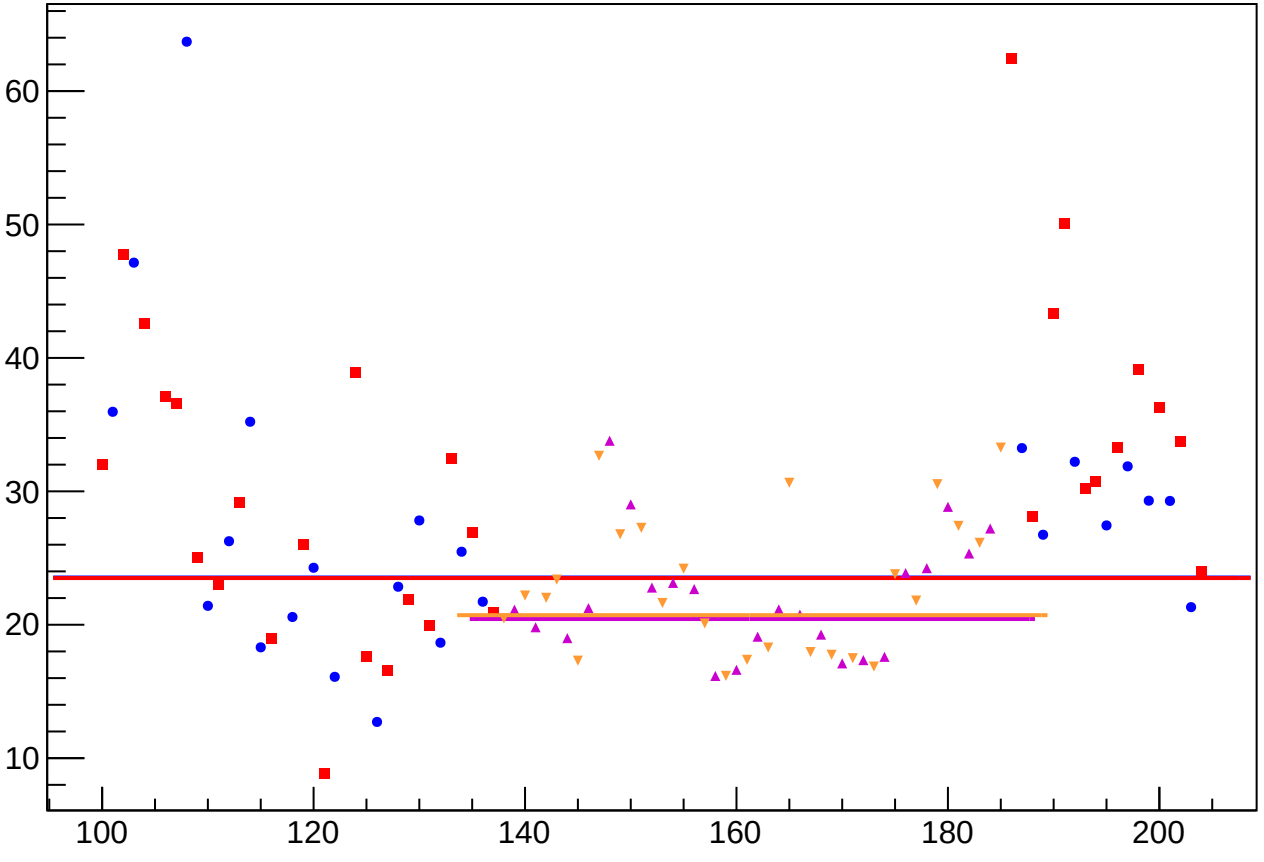
In: 21.458+/-0.003 χ^2/NDF:3507167.8/46

Out: 21.660+/-0.003 χ^2/NDF:6101966.0/54

All: 21.561+/-0.002 χ^2/NDF: 9611692.6/101


asym_sam_13_57_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.2
0.1
0
−0.1
−0.2
100
120
140
160
180
200
Right In: 0.004+/-0.007 χ²/NDF: 30.5/23
Left Out: 0.019+/-0.005 χ²/NDF:41.2/24
Right Out: -0.009+/-0.007 χ²/NDF: 19.8/29
Left In: -0.001+/-0.005 χ²/NDF:17.7/22
Left: 0.009+/-0.003 χ²/NDF: 66.9/47
Right: -0.002+/-0.005 χ²/NDF: 52.1/53
In: 0.001+/-0.004 χ²/NDF:48.5/46
Out: 0.010+/-0.004 χ²/NDF:72.0/54
All: 0.005+/-0.003 χ²/NDF: 122.8/101

asym_sam_13_57_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 23.541+/-0.005 χ^2/NDF: 2070320.5/23

Left Out: 20.718+/-0.003 χ^2/NDF:1506475.9/24

Right Out: 23.499+/-0.005 χ^2/NDF: 4374476.9/29

Left In: 20.429+/-0.003 χ^2/NDF:1173995.4/22

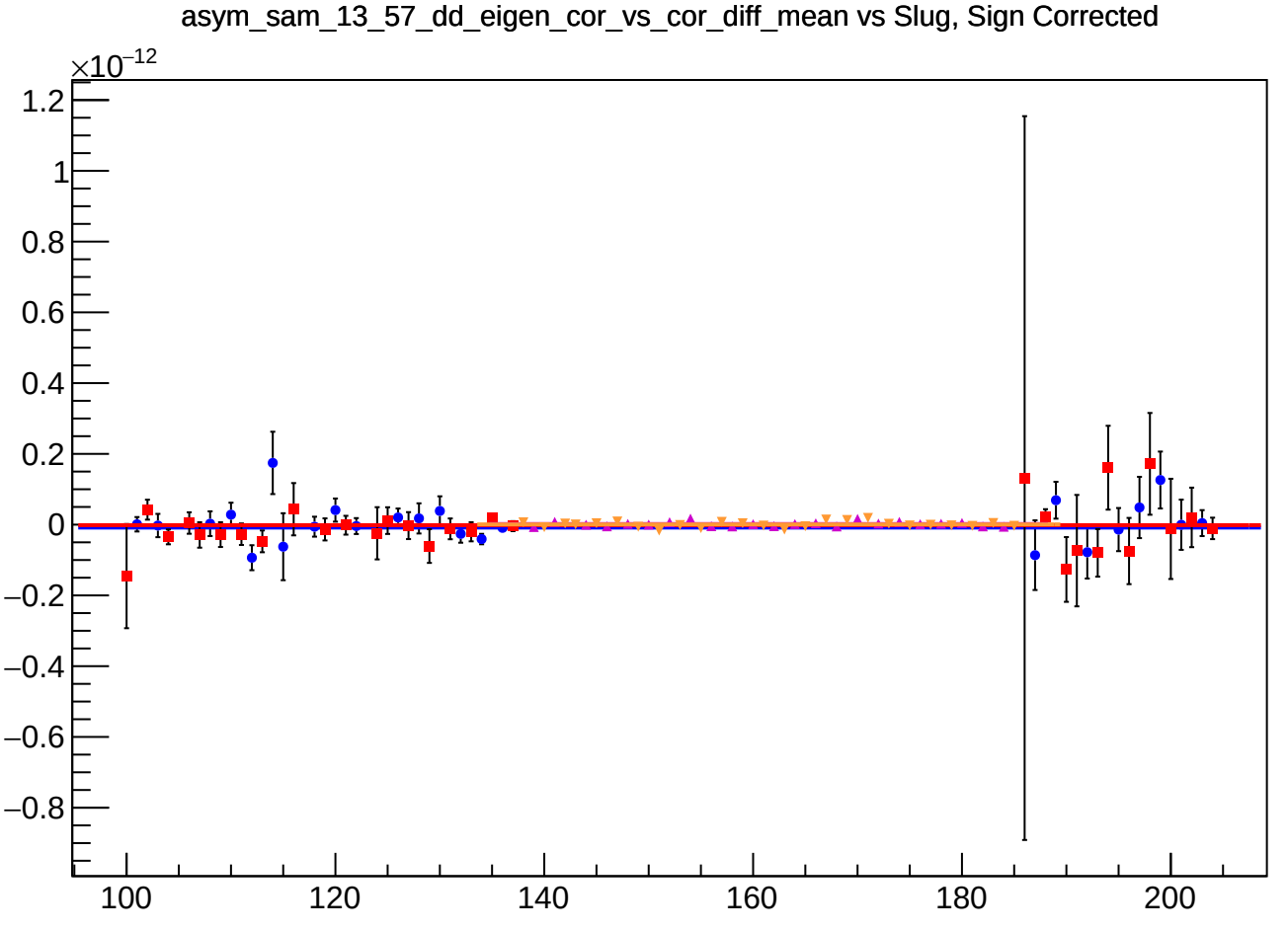
Left: 20.575+/-0.002 χ^2/NDF: 2683947.4/47

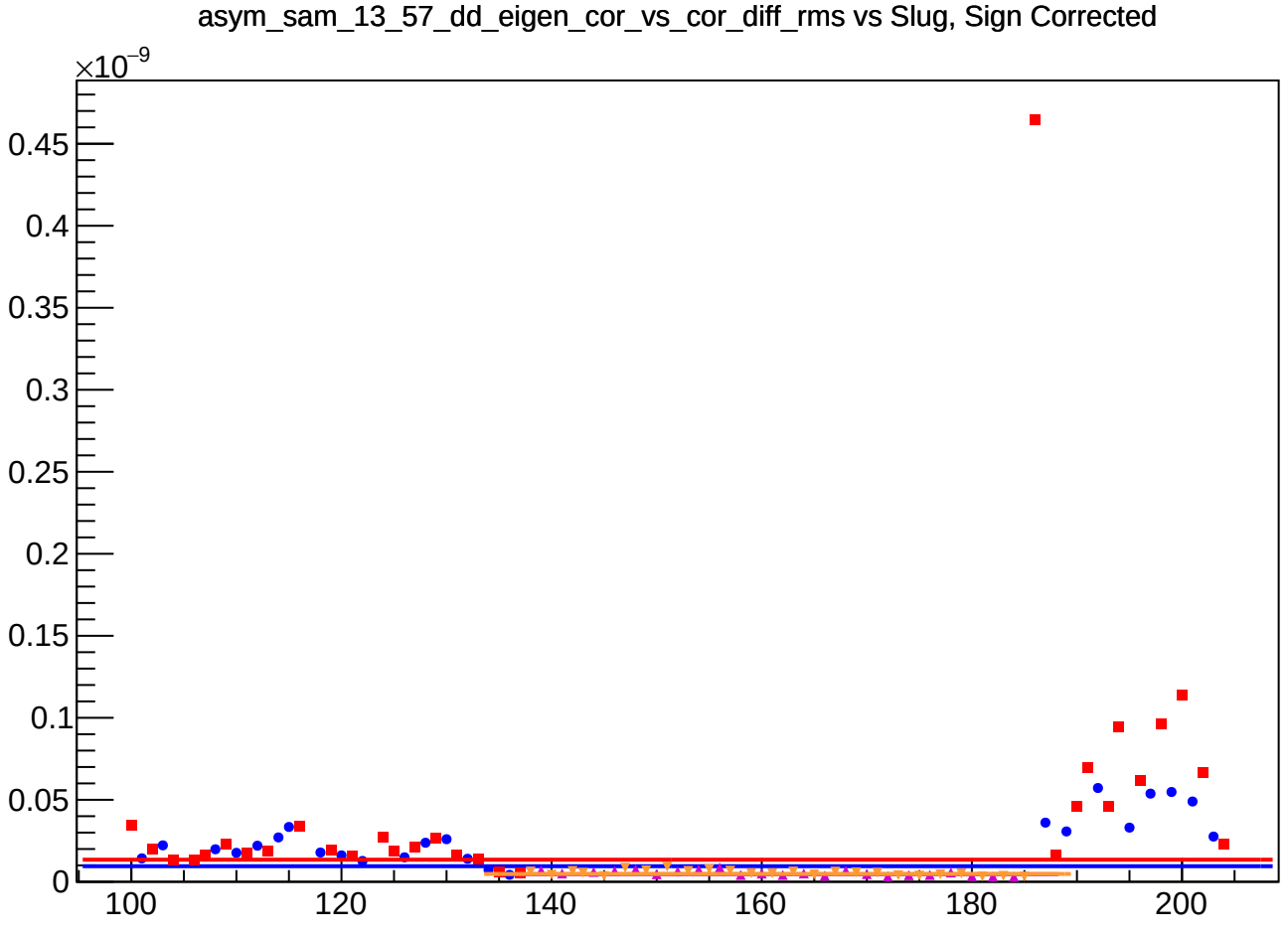
Right: 23.519+/-0.003 χ^2/NDF: 6444832.9/53

In: 21.458+/-0.003 χ^2/NDF:3507167.8/46

Out: 21.660+/-0.003 χ^2/NDF:6101966.0/54

All: 21.561+/-0.002 χ^2/NDF: 9611692.6/101


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
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 29.7/23
Left Out: 0.000+/-0.000 χ²/NDF:29.0/24
Right Out: -0.000+/-0.000 χ²/NDF: 25.5/29
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: 56.1/53
In: 0.000+/-0.000 χ²/NDF:54.8/46
Out: 0.000+/-0.000 χ²/NDF:54.7/54
All: 0.000+/-0.000 χ²/NDF: 109.5/101



Right In: 0.000+/-0.000 χ^2/NDF: 7729688.2/23

Left Out: 0.000+/-0.000 χ^2/NDF:2118264.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8364070.1/29

Left In: 0.000+/-0.000 χ^2/NDF:1908439.7/22

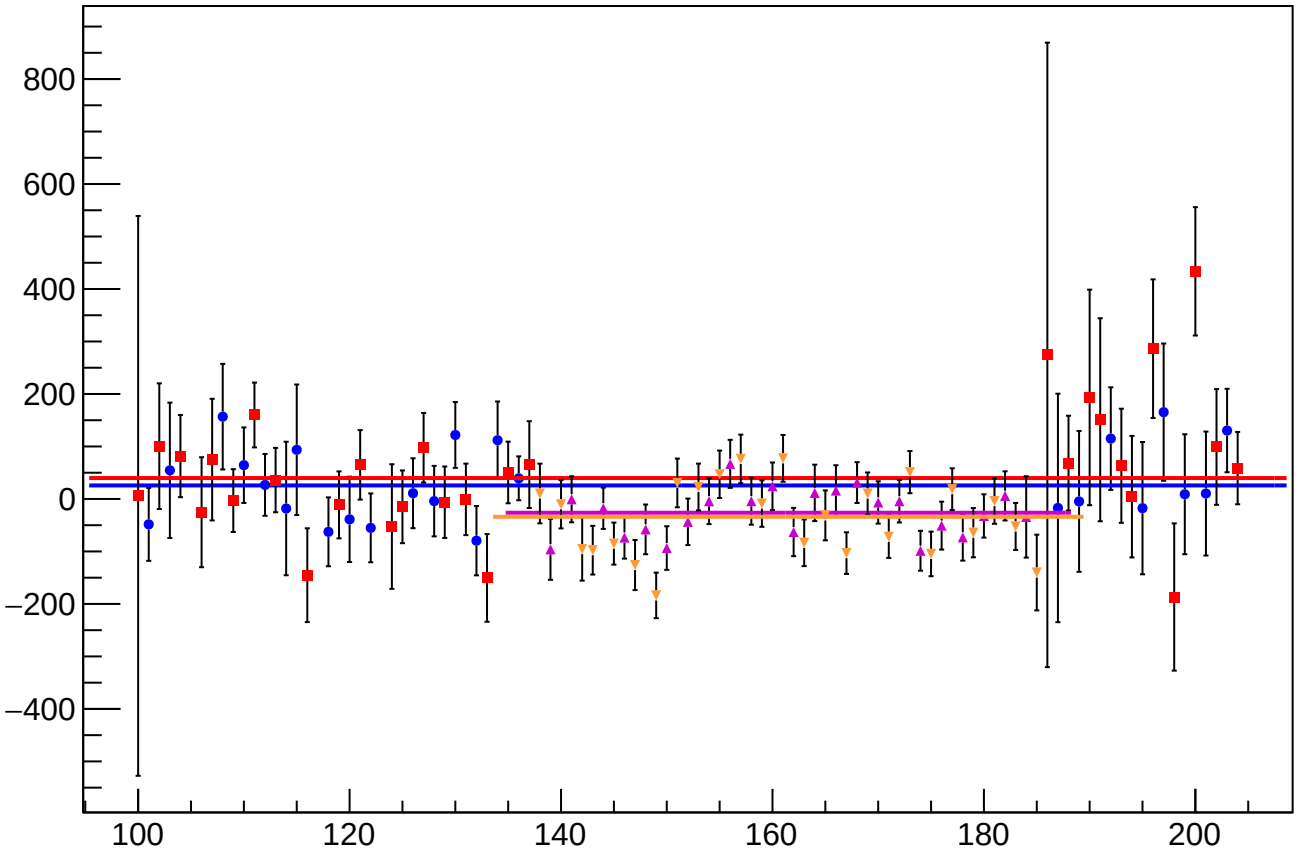
Left: 0.000+/-0.000 χ^2/NDF: 4046117.6/47

Right: 0.000+/-0.000 χ^2/NDF: 16747484.2/53

In: 0.000+/-0.000 χ^2/NDF:11916947.6/46

Out: 0.000+/-0.000 χ^2/NDF:15430758.0/54

All: 0.000+/-0.000 χ^2/NDF: 27391395.9/101



Right In: 25.742+/-16.042 χ^2/NDF: 18.1/23

Left Out: -33.956+/-8.993 χ^2/NDF:58.7/24

Right Out: 39.844+/-15.560 χ^2/NDF: 36.7/29

Left In: -26.267+/-9.271 χ^2/NDF:22.5/22

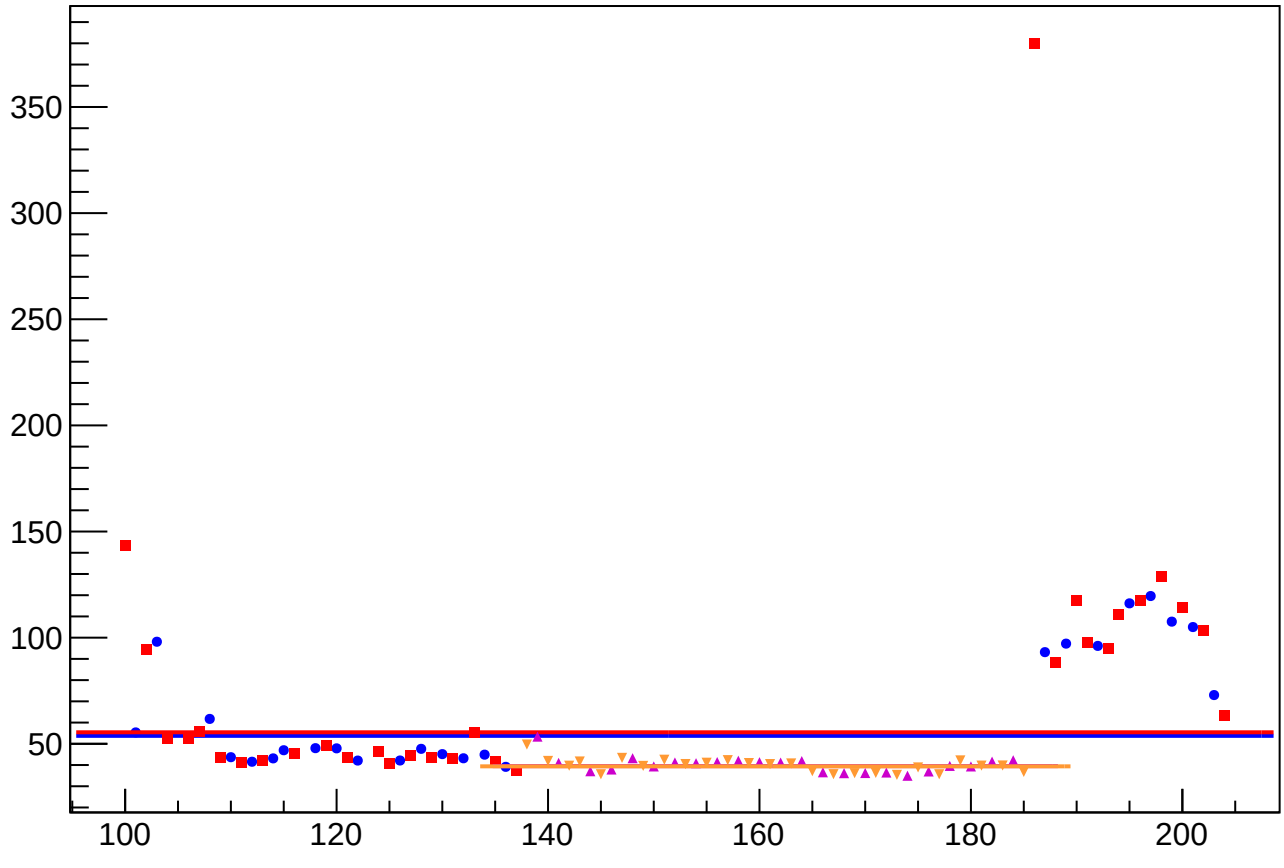
Left: -30.228+/-6.455 χ^2/NDF: 81.6/47

Right: 33.008+/-11.169 χ^2/NDF: 55.2/53

In: -13.244+/-8.027 χ^2/NDF:48.5/46

Out: -15.476+/-7.786 χ^2/NDF:112.2/54

All: -14.394+/-5.589 χ^2/NDF: 160.7/101



Right In: 53.754+/-0.011 χ^2/NDF: 3509820.9/23

Left Out: 39.383+/-0.006 χ^2/NDF:228799.9/24

Right Out: 55.421+/-0.011 χ^2/NDF: 4865494.4/29

Left In: 39.491+/-0.007 χ^2/NDF:251801.8/22

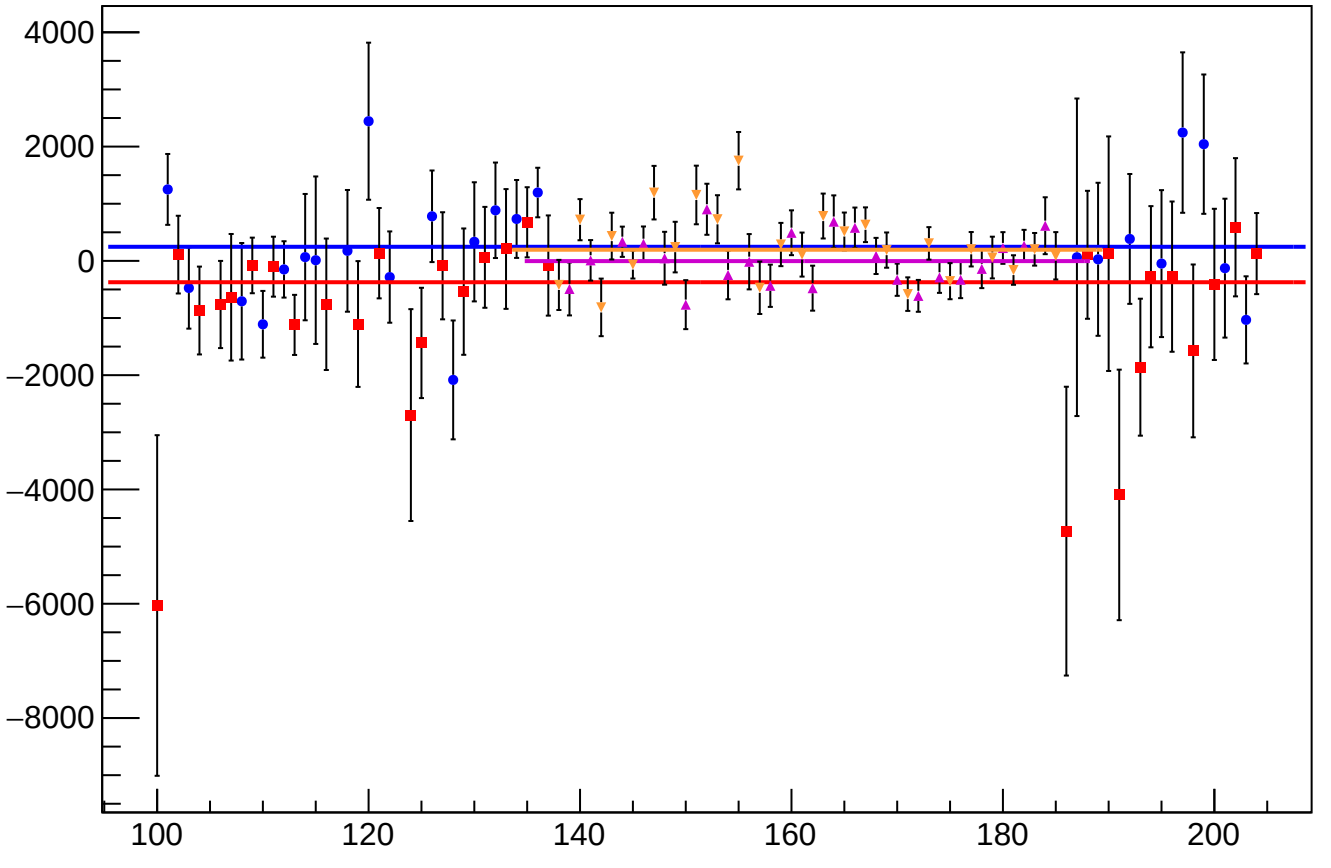
Left: 39.435+/-0.005 χ^2/NDF: 480742.3/47

Right: 54.612+/-0.008 χ^2/NDF: 8386445.0/53

In: 43.062+/-0.006 χ^2/NDF:4946720.2/46

Out: 43.399+/-0.006 χ^2/NDF:6686955.4/54

All: 43.235+/-0.004 χ^2/NDF: 11635485.3/101



Right In: 246.576+/-169.526 χ^2/NDF: 32.2/23

Left Out: 195.029+/-70.093 χ^2/NDF:48.6/24

Right Out: -373.640+/-162.995 χ^2/NDF: 24.4/29

Left In: -4.015+/-71.981 χ^2/NDF:32.4/22

Left: 98.152+/-50.217 χ^2/NDF: 84.9/47

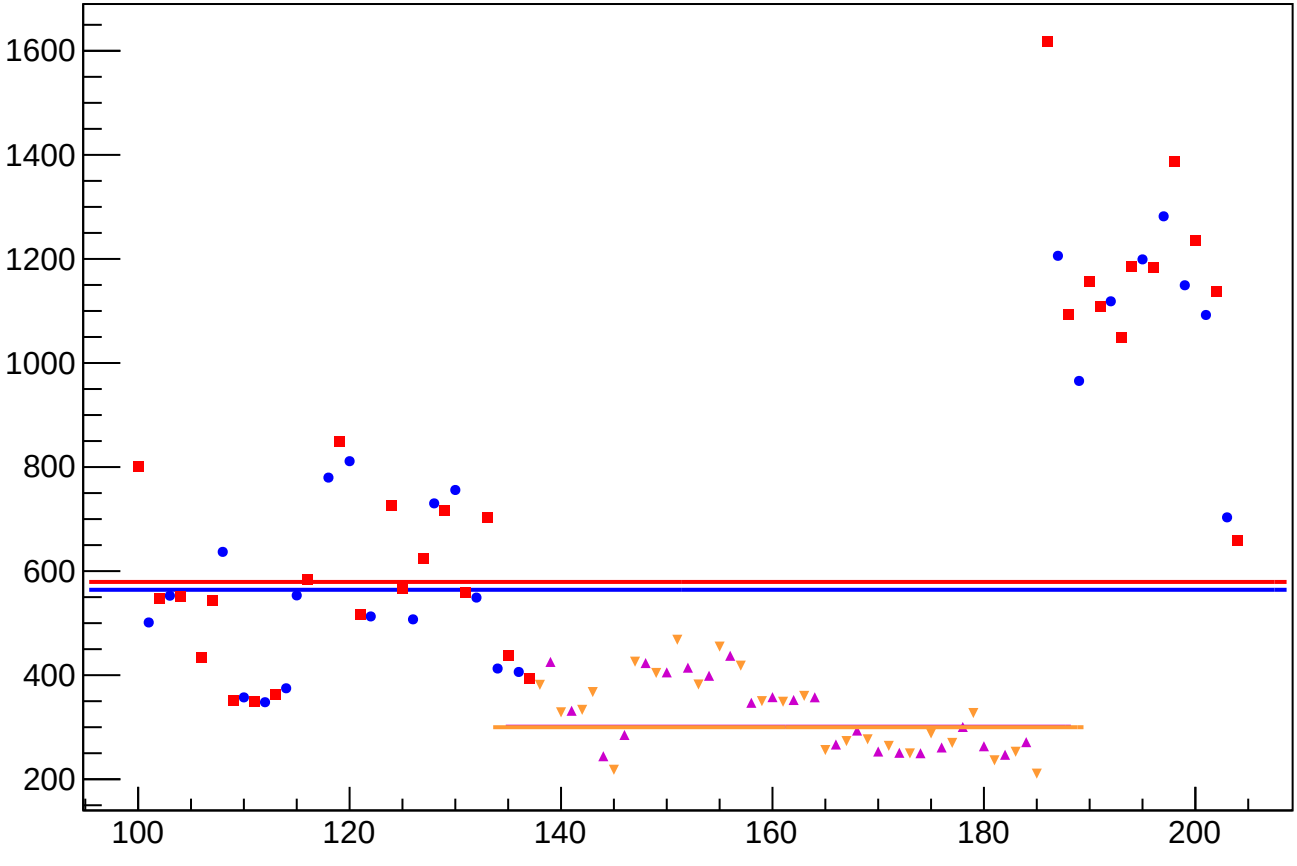
Right: -75.710+/-117.496 χ^2/NDF: 63.5/53

In: 34.262+/-66.256 χ^2/NDF:66.4/46

Out: 106.279+/-64.391 χ^2/NDF:83.2/54

All: 71.298+/-46.177 χ^2/NDF: 150.2/101

asym_sam_15_37_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 564.100+/-0.120 χ^2/NDF: 4052087.2/23

Left Out: 299.976+/-0.050 χ^2/NDF:1808461.5/24

Right Out: 579.206+/-0.115 χ^2/NDF: 5420758.0/29

Left In: 301.000+/-0.051 χ^2/NDF:1407198.4/22

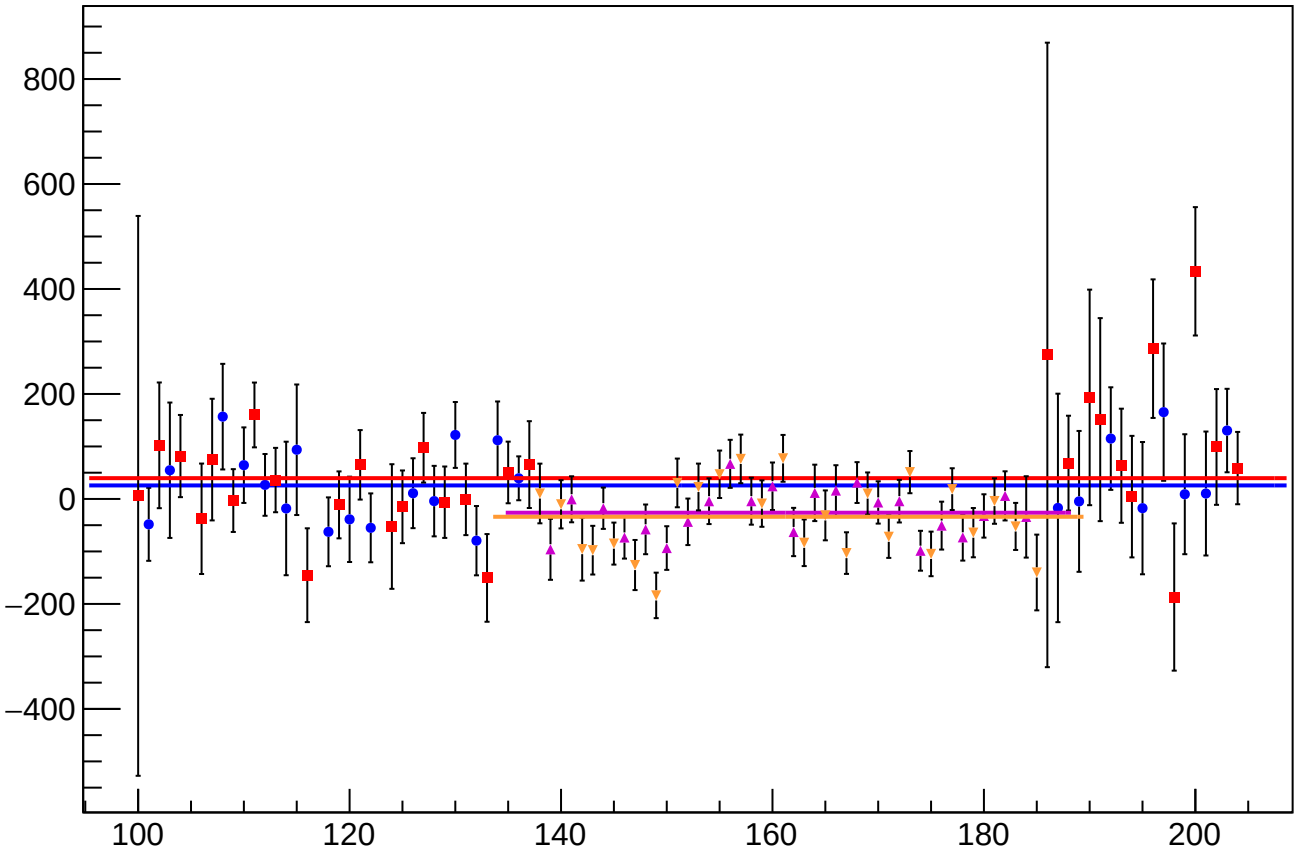
Left: 300.474+/-0.036 χ^2/NDF: 3215867.3/47

Right: 571.949+/-0.083 χ^2/NDF: 9481097.0/53

In: 341.187+/-0.047 χ^2/NDF:9540698.3/46

Out: 343.554+/-0.046 χ^2/NDF:12182724.7/54

All: 342.405+/-0.033 χ^2/NDF: 21724735.7/10



Right In: 25.747+/-16.042 χ^2/NDF: 18.1/23

Left Out: -33.955+/-8.993 χ^2/NDF:58.7/24

Right Out: 39.609+/-15.562 χ^2/NDF: 36.8/29

Left In: -26.267+/-9.271 χ^2/NDF:22.5/22

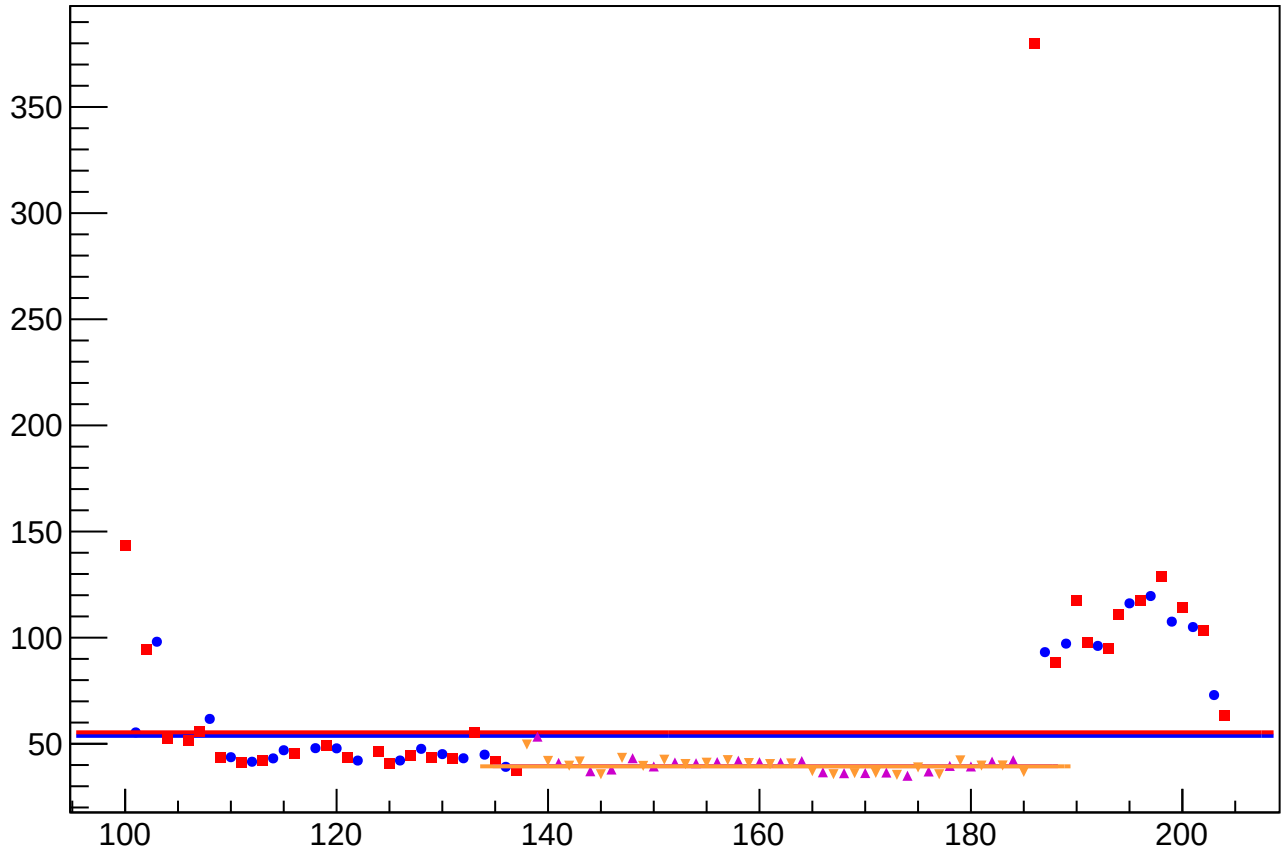
Left: -30.228+/-6.455 χ^2/NDF: 81.6/47

Right: 32.888+/-11.170 χ^2/NDF: 55.3/53

In: -13.243+/-8.027 χ^2/NDF:48.5/46

Out: -15.538+/-7.787 χ^2/NDF:112.3/54

All: -14.425+/-5.589 χ^2/NDF: 160.8/101



Right In: 53.754+/-0.011 χ^2/NDF: 3509824.0/23

Left Out: 39.383+/-0.006 χ^2/NDF:228799.9/24

Right Out: 55.403+/-0.011 χ^2/NDF: 4866690.0/29

Left In: 39.491+/-0.007 χ^2/NDF:251801.8/22

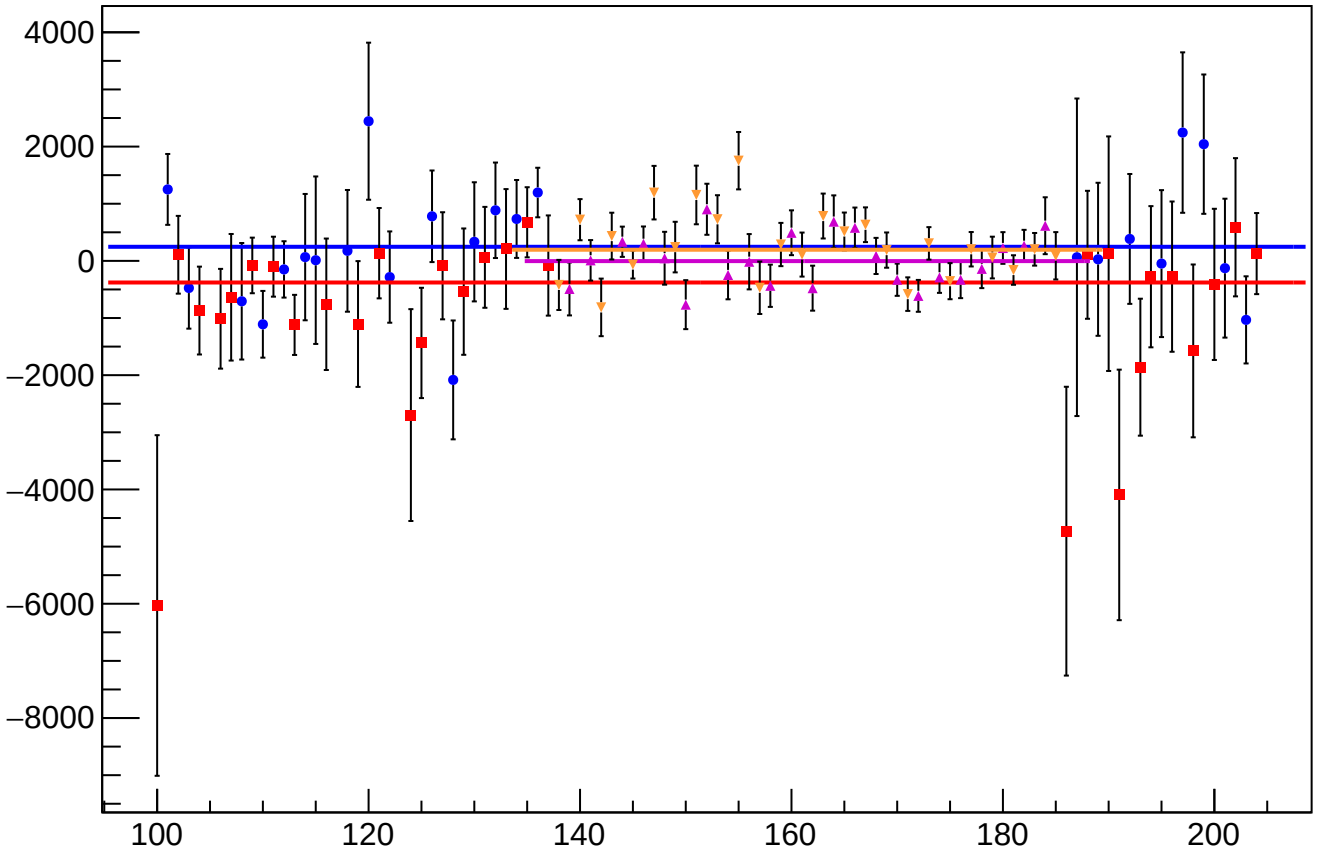
Left: 39.435+/-0.005 χ^2/NDF: 480742.3/47

Right: 54.604+/-0.008 χ^2/NDF: 8387413.9/53

In: 43.062+/-0.006 χ^2/NDF:4946723.2/46

Out: 43.394+/-0.006 χ^2/NDF:6684483.7/54

All: 43.233+/-0.004 χ^2/NDF: 11632963.7/101



Right In: 246.578+/-169.527 χ^2/NDF: 32.2/23

Left Out: 195.028+/-70.093 χ^2/NDF:48.6/24

Right Out: -378.399+/-163.889 χ^2/NDF: 24.6/29

Left In: -4.014+/-71.981 χ^2/NDF:32.4/22

Left: 98.152+/-50.217 χ^2/NDF: 84.9/47

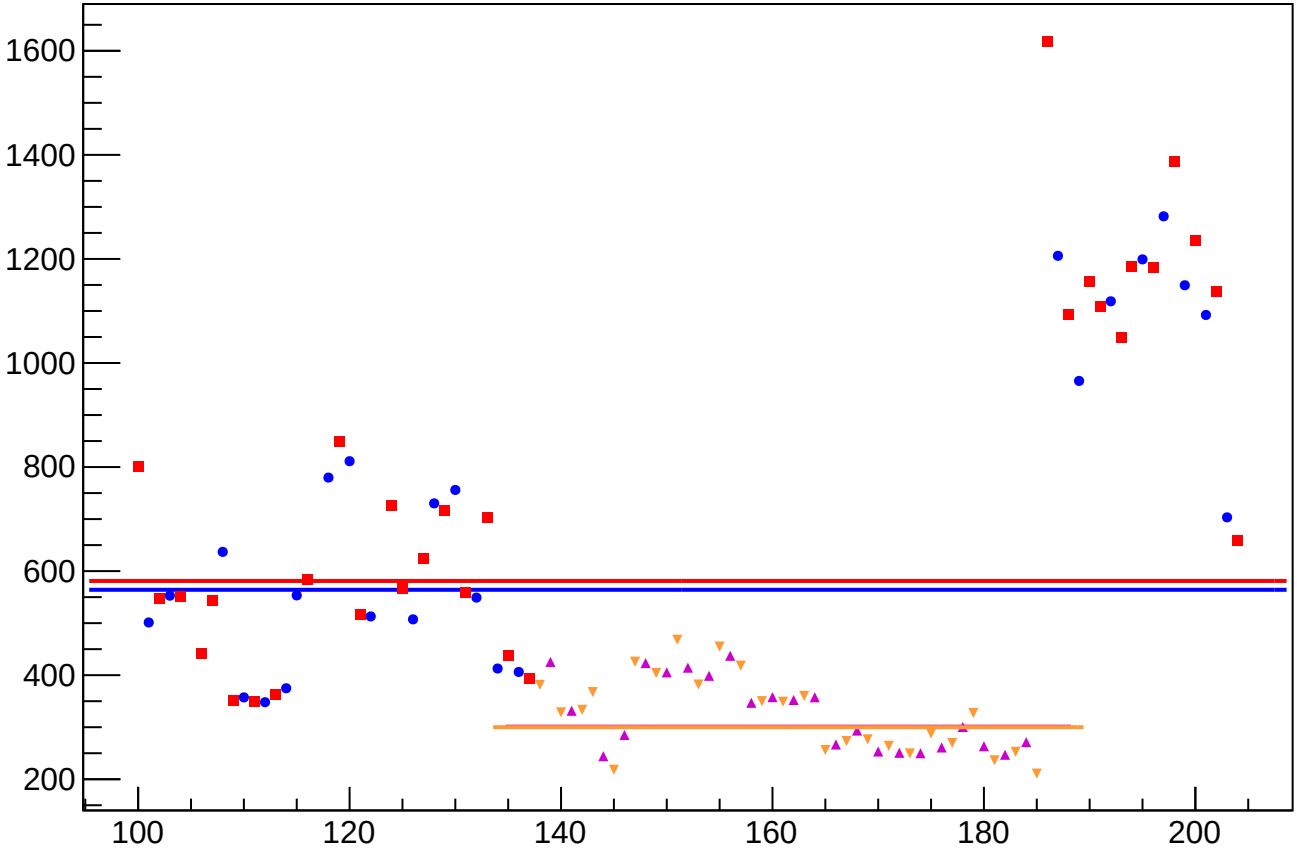
Right: -76.476+/-117.830 χ^2/NDF: 63.8/53

In: 34.263+/-66.256 χ^2/NDF:66.4/46

Out: 106.360+/-64.446 χ^2/NDF:83.6/54

All: 71.309+/-46.197 χ^2/NDF: 150.6/101

asym_sam_15_37_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 564.102+/-0.120 χ^2/NDF: 4052089.1/23

Left Out: 299.976+/-0.050 χ^2/NDF:1808454.4/24

Right Out: 581.073+/-0.116 χ^2/NDF: 5397853.8/29

Left In: 300.999+/-0.051 χ^2/NDF:1407206.0/22

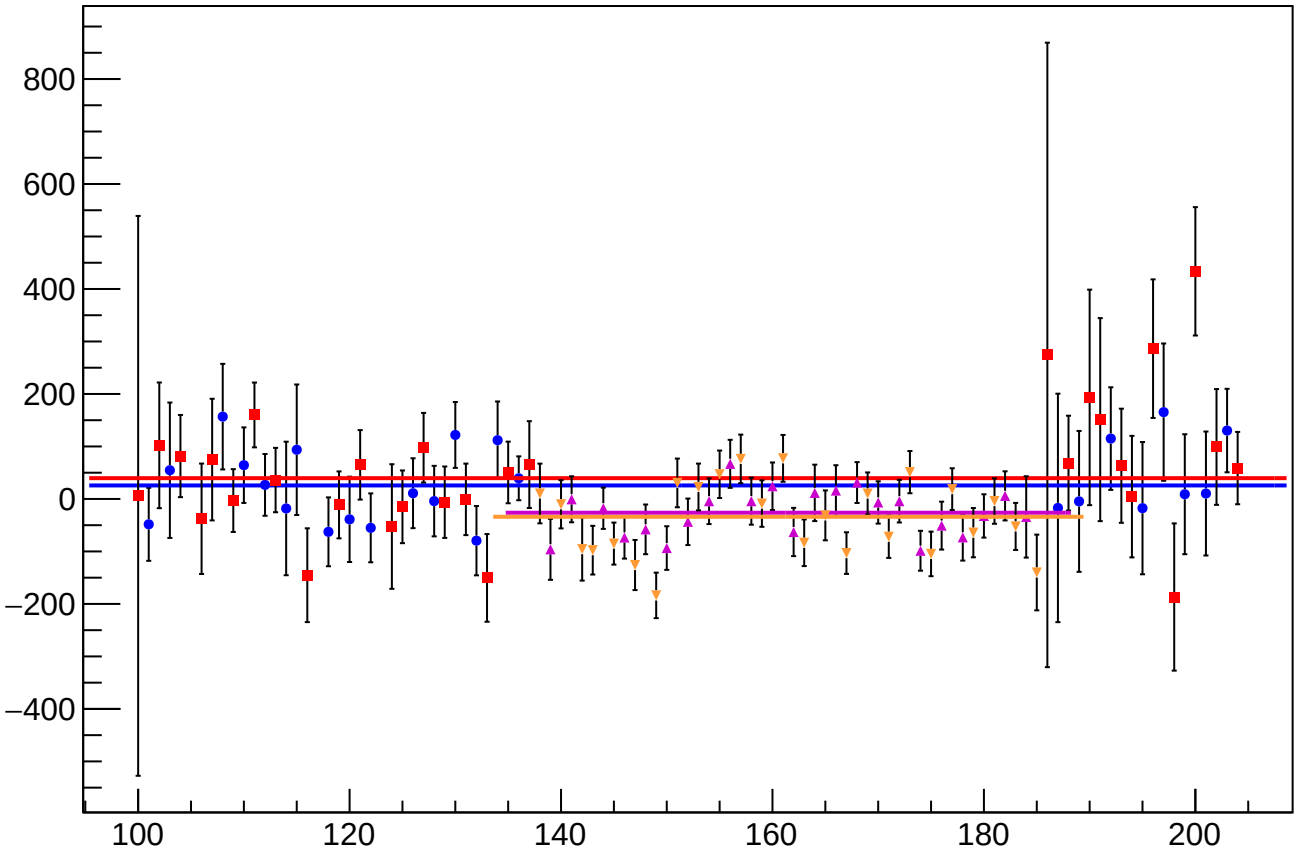
Left: 300.474+/-0.036 χ^2/NDF: 3215867.7/47

Right: 572.875+/-0.083 χ^2/NDF: 9460302.9/53

In: 341.187+/-0.047 χ^2/NDF:9540759.6/46

Out: 343.442+/-0.046 χ^2/NDF:12180088.1/54

All: 342.346+/-0.033 χ^2/NDF: 21722038.0/10



Right In: 25.747+/-16.042 χ^2/NDF: 18.1/23

Left Out: -33.955+/-8.993 χ^2/NDF:58.7/24

Right Out: 39.609+/-15.562 χ^2/NDF: 36.8/29

Left In: -26.267+/-9.271 χ^2/NDF:22.5/22

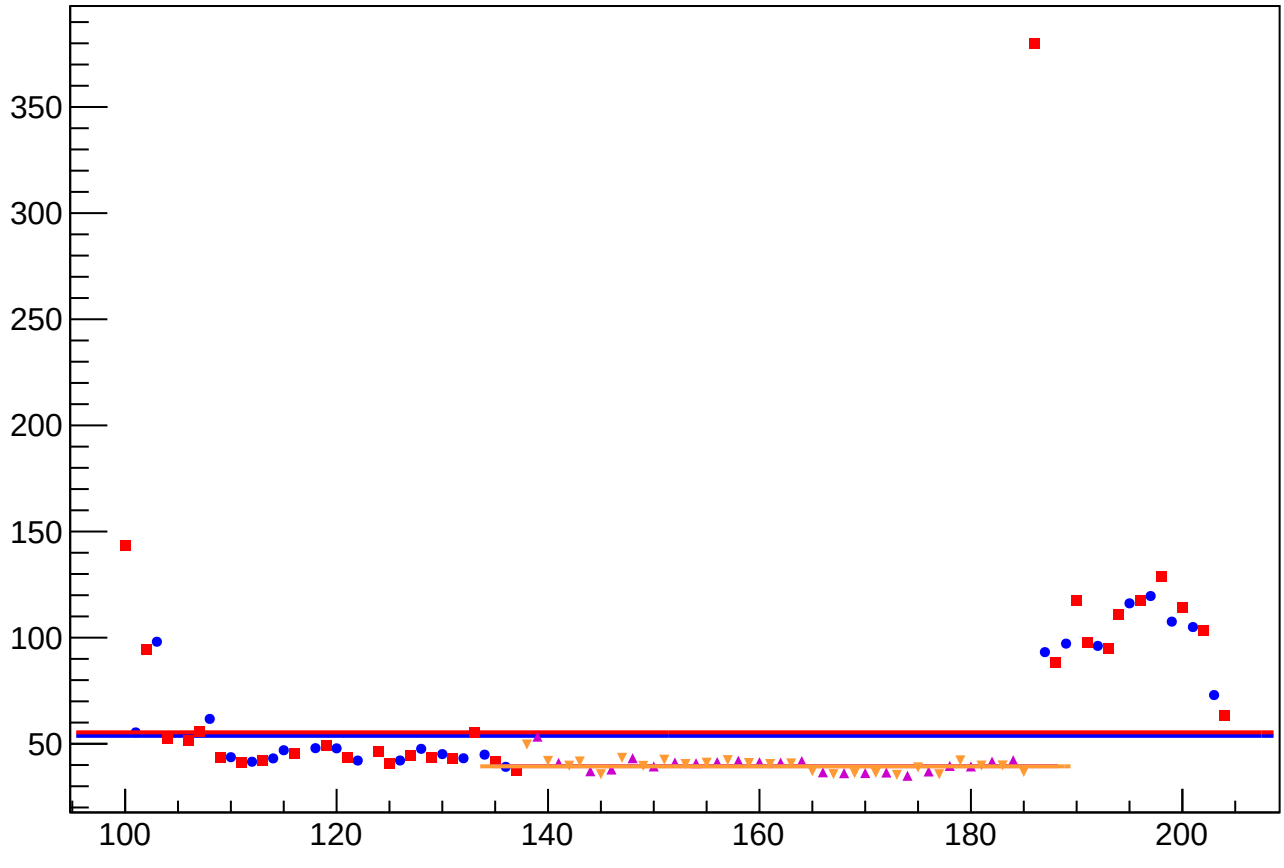
Left: -30.228+/-6.455 χ^2/NDF: 81.6/47

Right: 32.888+/-11.170 χ^2/NDF: 55.3/53

In: -13.243+/-8.027 χ^2/NDF:48.5/46

Out: -15.538+/-7.787 χ^2/NDF:112.3/54

All: -14.425+/-5.589 χ^2/NDF: 160.8/101



Right In: 53.754+/-0.011 χ^2/NDF: 3509824.0/23

Left Out: 39.383+/-0.006 χ^2/NDF:228799.9/24

Right Out: 55.403+/-0.011 χ^2/NDF: 4866690.0/29

Left In: 39.491+/-0.007 χ^2/NDF:251801.8/22

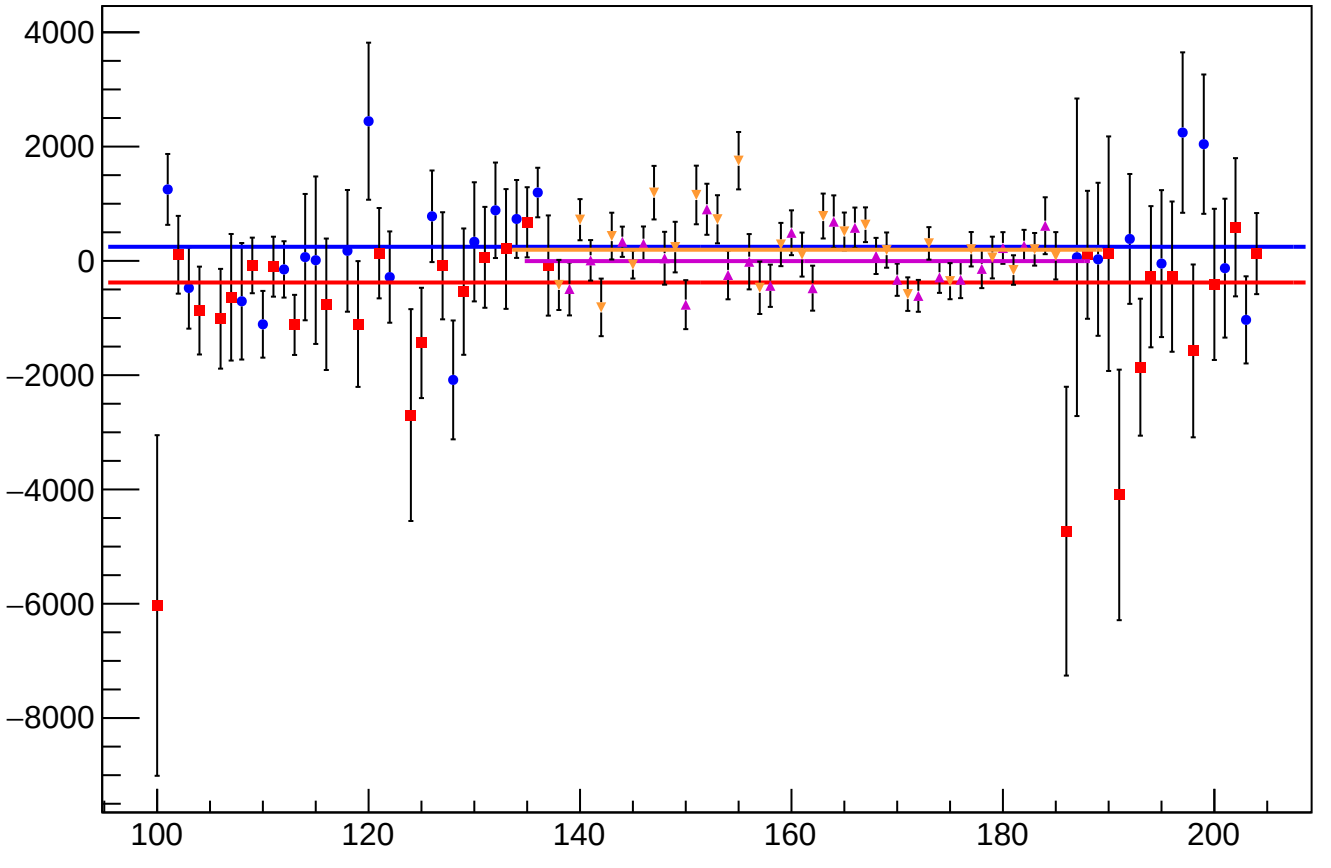
Left: 39.435+/-0.005 χ^2/NDF: 480742.3/47

Right: 54.604+/-0.008 χ^2/NDF: 8387413.9/53

In: 43.062+/-0.006 χ^2/NDF:4946723.2/46

Out: 43.394+/-0.006 χ^2/NDF:6684483.7/54

All: 43.233+/-0.004 χ^2/NDF: 11632963.7/101



Right In: 246.578+/-169.527 χ^2/NDF: 32.2/23

Left Out: 195.028+/-70.093 χ^2/NDF:48.6/24

Right Out: -378.399+/-163.889 χ^2/NDF: 24.6/29

Left In: -4.014+/-71.981 χ^2/NDF:32.4/22

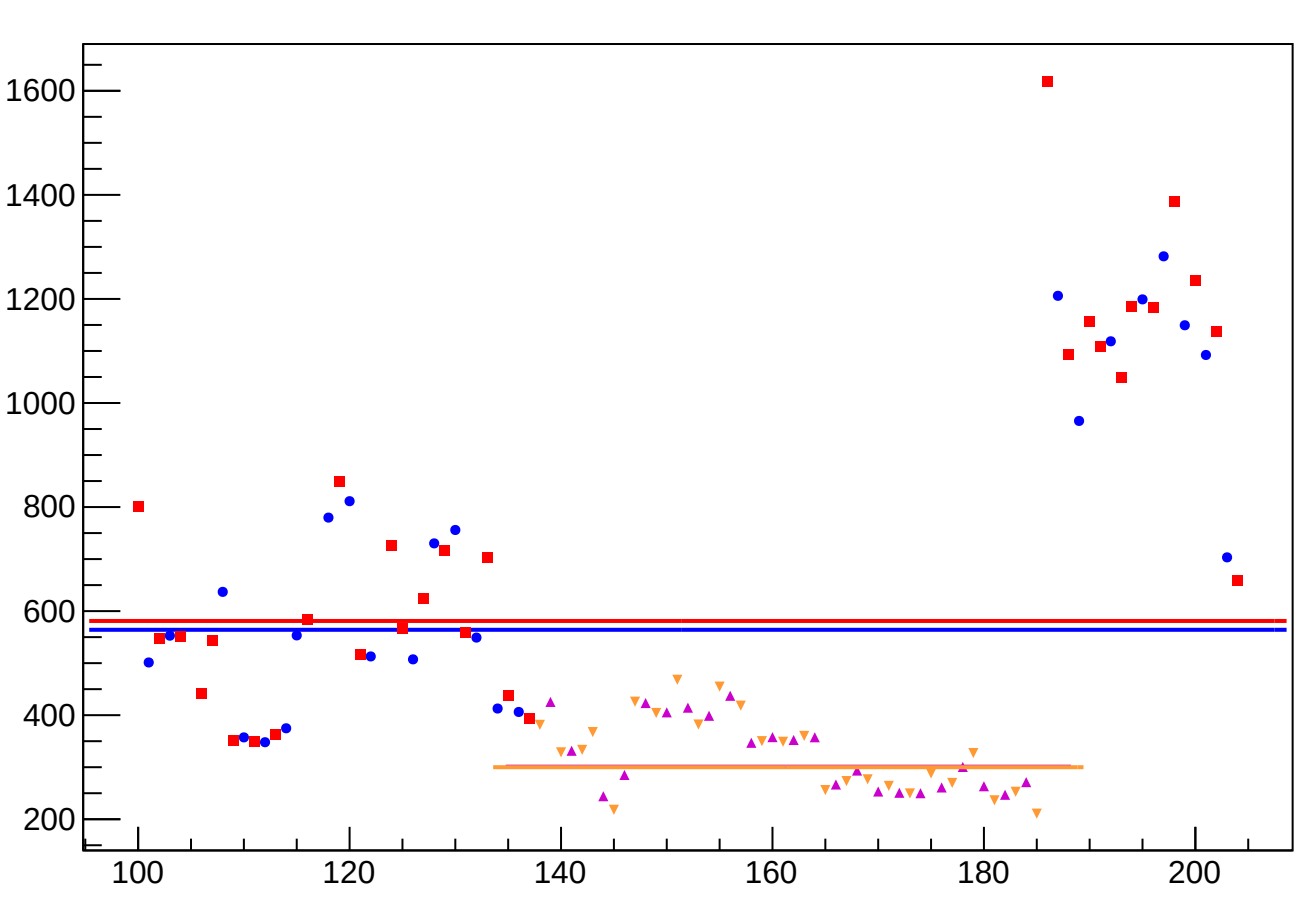
Left: 98.152+/-50.217 χ^2/NDF: 84.9/47

Right: -76.476+/-117.830 χ^2/NDF: 63.8/53

In: 34.263+/-66.256 χ^2/NDF:66.4/46

Out: 106.360+/-64.446 χ^2/NDF:83.6/54

All: 71.309+/-46.197 χ^2/NDF: 150.6/101



Right In: 564.102+/-0.120 χ^2/NDF: 4052089.1/23

Left Out: 299.976+/-0.050 χ^2/NDF:1808454.4/24

Right Out: 581.073+/-0.116 χ^2/NDF: 5397853.8/29

Left In: 300.999+/-0.051 χ^2/NDF:1407206.0/22

Left: 300.474+/-0.036 χ^2/NDF: 3215867.7/47

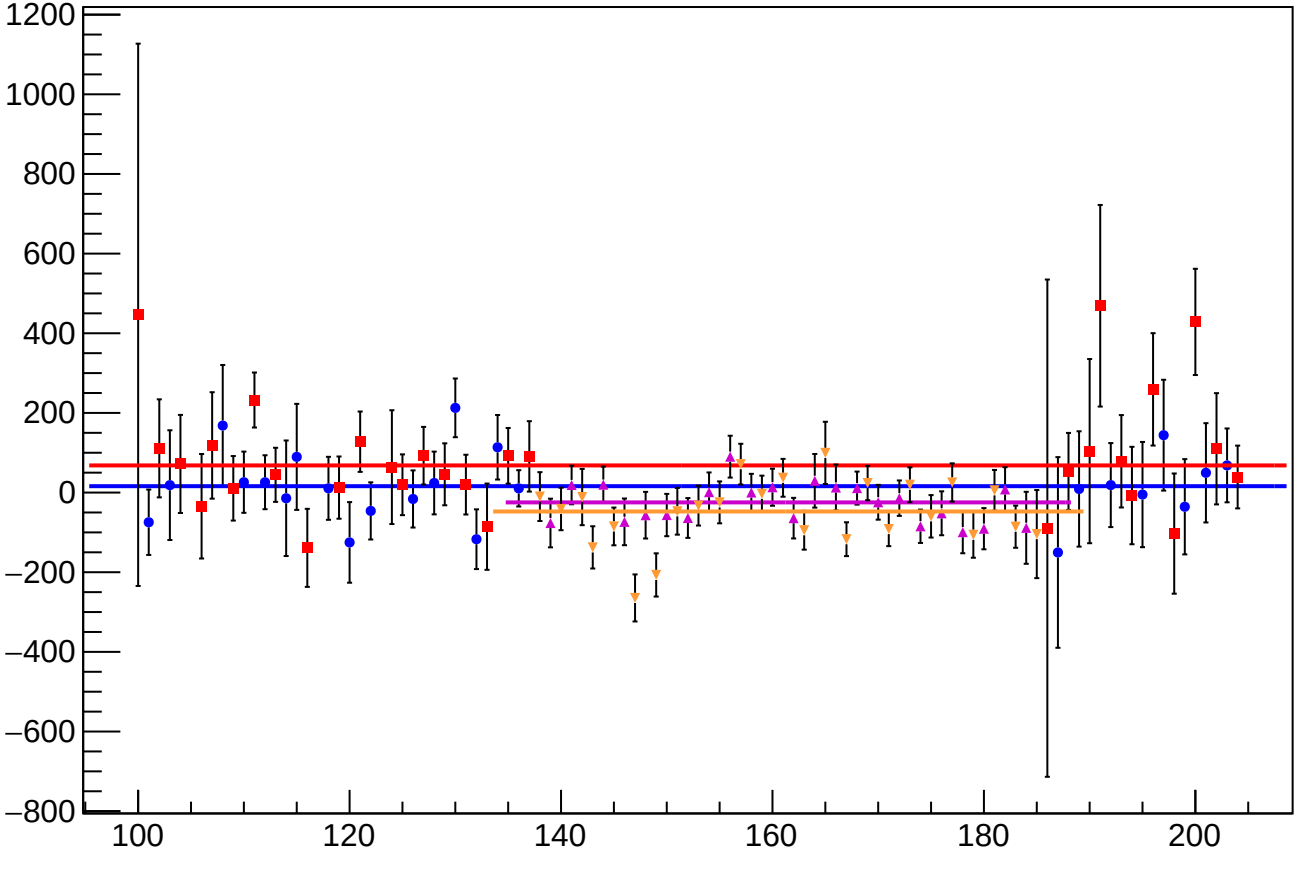
Right: 572.875+/-0.083 χ^2/NDF: 9460302.9/53

In: 341.187+/-0.047 χ^2/NDF:9540759.6/46

Out: 343.442+/-0.046 χ^2/NDF:12180088.1/54

All: 342.346+/-0.033 χ^2/NDF: 21722038.0/10

dit_asym_sam_15_37_dd_mean vs Slug, Sign Corrected



Right In: 16.041+/-18.099 χ^2/NDF: 19.2/23

Left Out: -47.480+/-10.392 χ^2/NDF:54.7/24

Right Out: 68.172+/-17.989 χ^2/NDF: 29.9/29

Left In: -24.687+/-10.660 χ^2/NDF:19.7/22

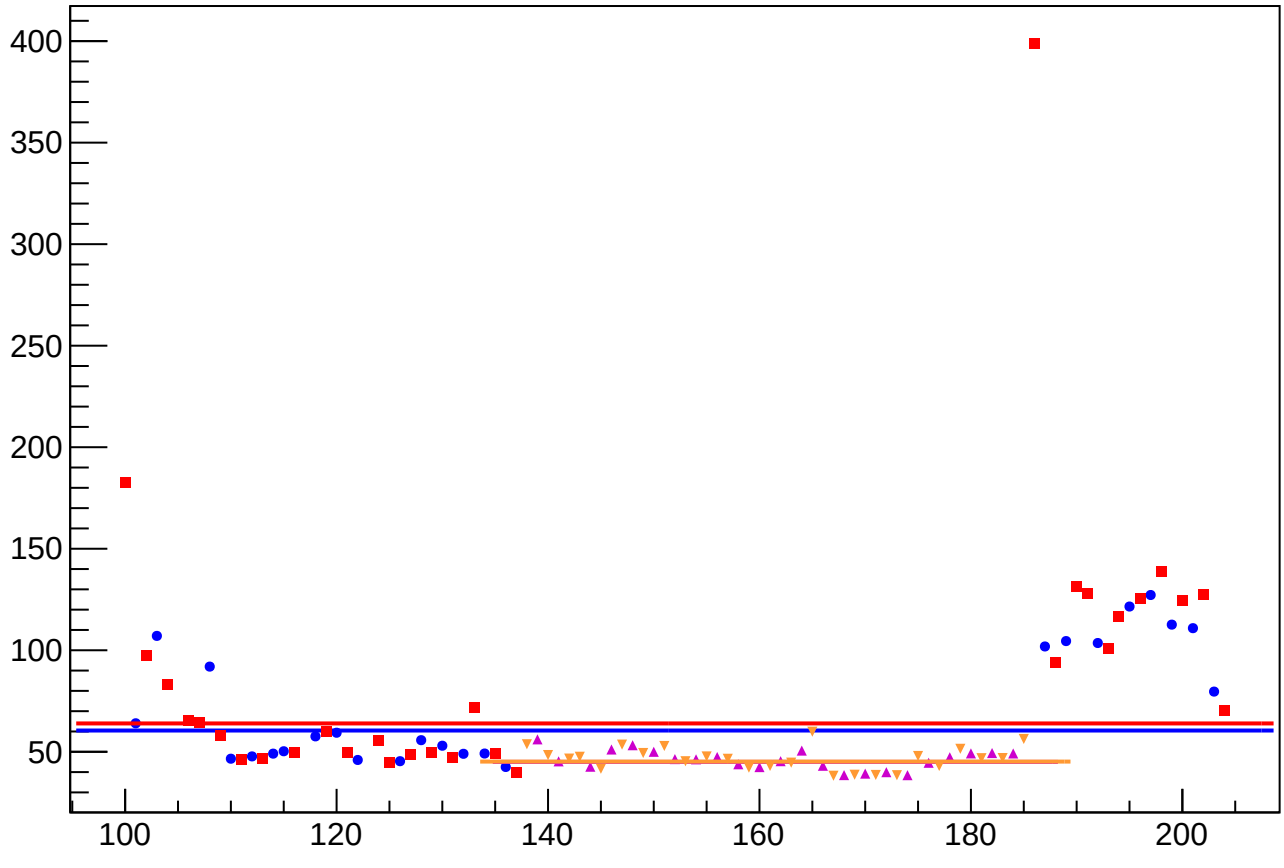
Left: -36.373+/-7.441 χ^2/NDF: 76.7/47

Right: 42.265+/-12.759 χ^2/NDF: 53.3/53

In: -14.197+/-9.185 χ^2/NDF:42.6/46

Out: -18.541+/-8.998 χ^2/NDF:115.6/54

All: -16.414+/-6.428 χ^2/NDF: 158.4/101



Right In: 60.475+/-0.013 χ^2/NDF: 3334669.4/23

Left Out: 45.175+/-0.007 χ^2/NDF:489860.2/24

Right Out: 63.964+/-0.013 χ^2/NDF: 4646805.1/29

Left In: 45.017+/-0.008 χ^2/NDF:372690.8/22

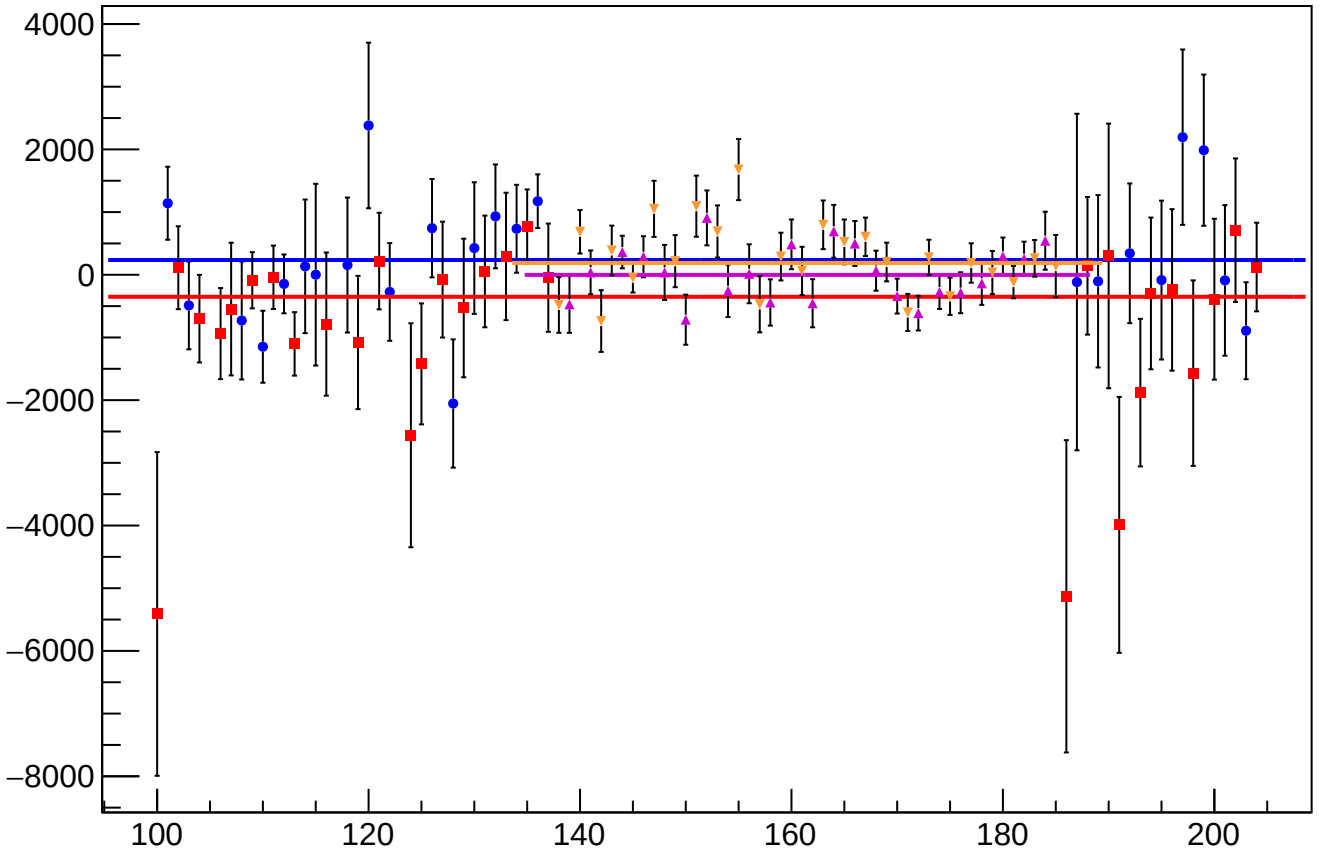
Left: 45.098+/-0.005 χ^2/NDF: 862775.1/47

Right: 62.230+/-0.009 χ^2/NDF: 8018867.9/53

In: 48.998+/-0.006 χ^2/NDF:4790427.9/46

Out: 49.876+/-0.006 χ^2/NDF:6772556.8/54

All: 49.446+/-0.005 χ^2/NDF: 11572309.9/101



Right In: 235.724+/-166.142 χ^2/NDF: 32.0/23

Left Out: 188.812+/-69.714 χ^2/NDF:46.8/24

Right Out: -350.962+/-157.208 χ^2/NDF: 27.3/29

Left In: -1.655+/-71.712 χ^2/NDF:32.2/22

Left: 96.270+/-49.987 χ^2/NDF: 82.6/47

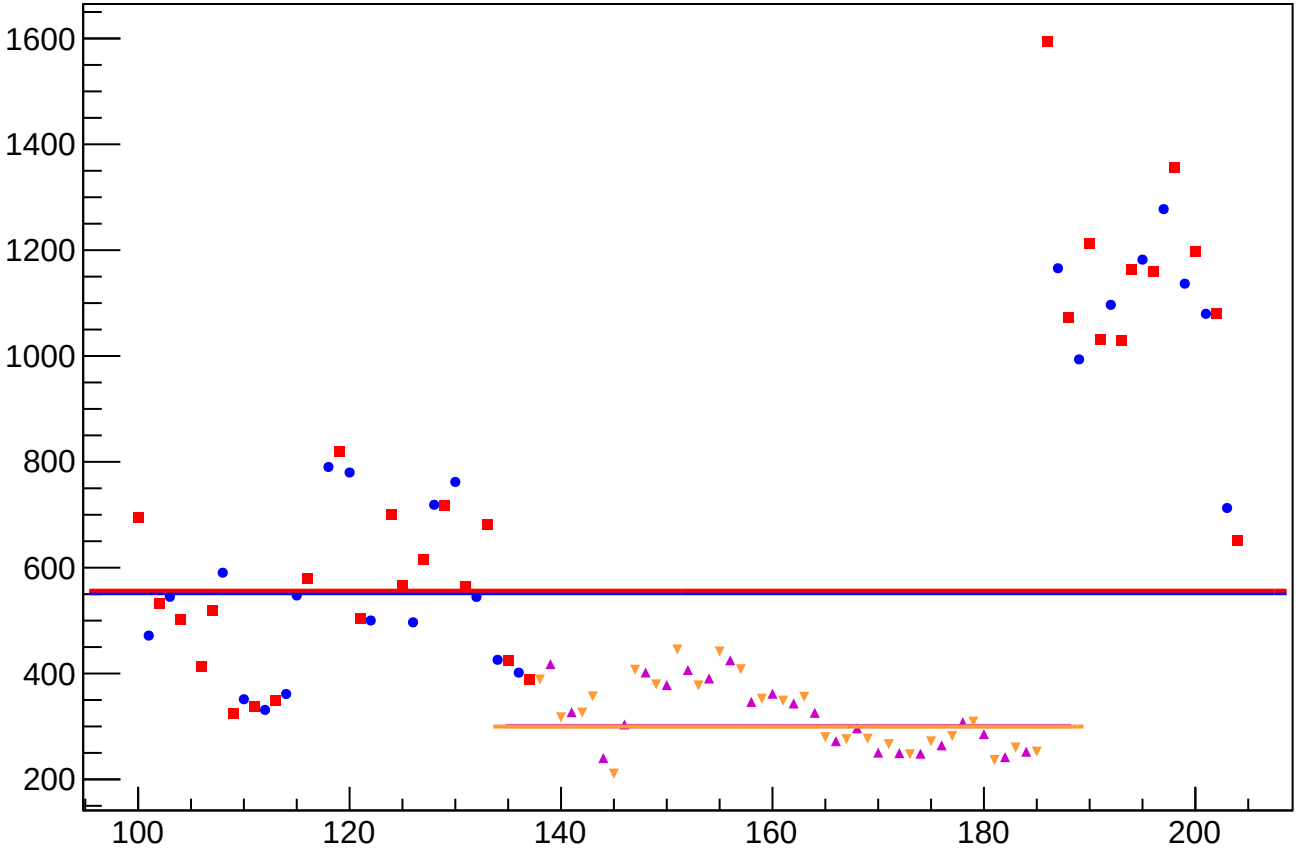
Right: -73.817+/-114.191 χ^2/NDF: 65.9/53

In: 35.625+/-65.841 χ^2/NDF:66.0/46

Out: 100.110+/-63.729 χ^2/NDF:83.9/54

All: 68.919+/-45.792 χ^2/NDF: 150.4/101

asym_sam_15_37_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 551.782+/-0.117 χ^2/NDF: 4178106.5/23

Left Out: 299.798+/-0.049 χ^2/NDF:1577420.4/24

Right Out: 556.544+/-0.111 χ^2/NDF: 5639778.5/29

Left In: 300.544+/-0.051 χ^2/NDF:1259270.5/22

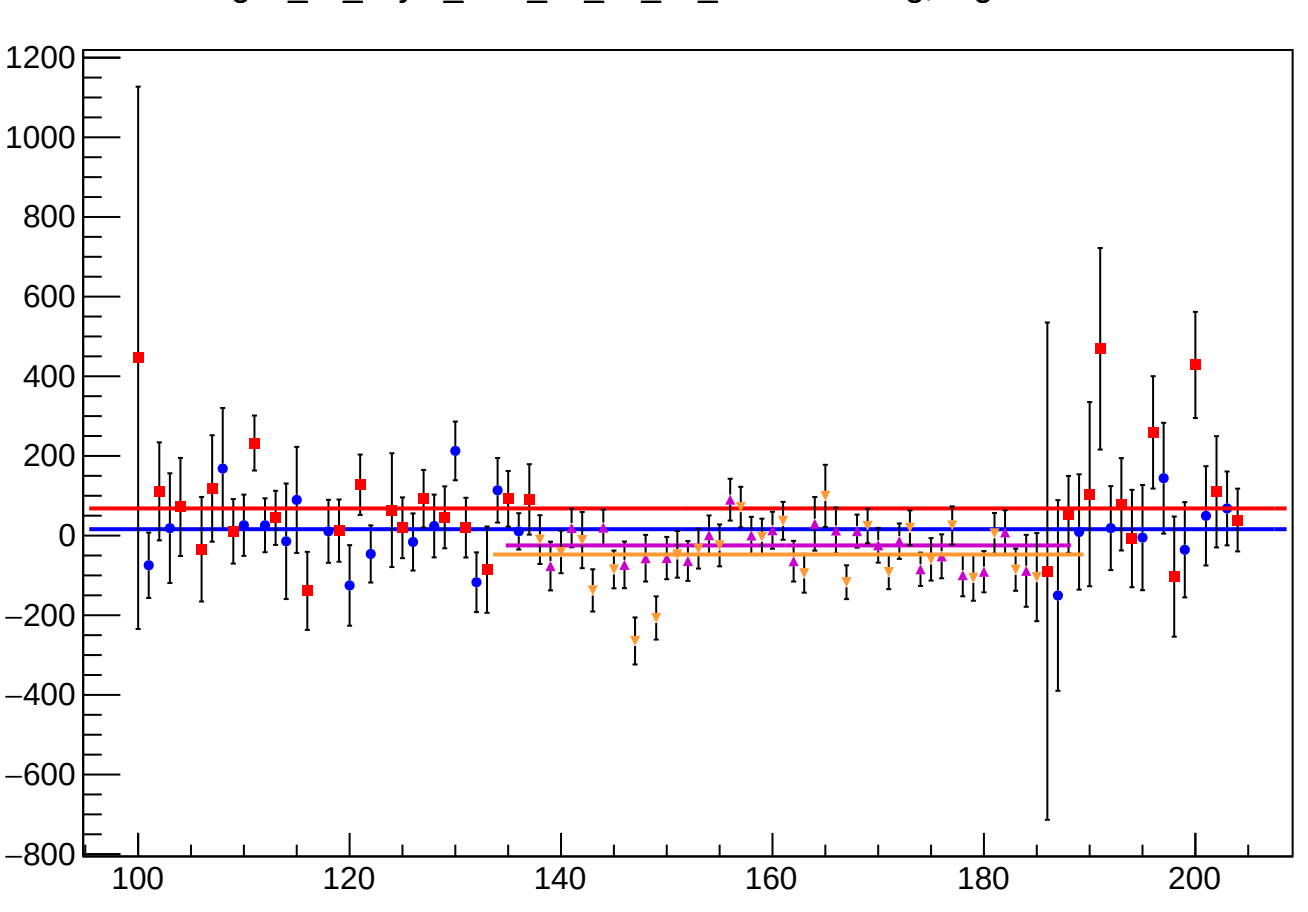
Left: 300.161+/-0.035 χ^2/NDF: 2836802.1/47

Right: 554.294+/-0.081 χ^2/NDF: 9818751.7/53

In: 340.000+/-0.047 χ^2/NDF:9292552.8/46

Out: 341.990+/-0.045 χ^2/NDF:11675001.1/54

All: 341.027+/-0.032 χ^2/NDF: 20968496.5/10



Right In: 16.041+/-18.099 χ^2/NDF: 19.2/23

Left Out: -47.480+/-10.392 χ^2/NDF:54.7/24

Right Out: 68.172+/-17.989 χ^2/NDF: 29.9/29

Left In: -24.687+/-10.660 χ^2/NDF:19.7/22

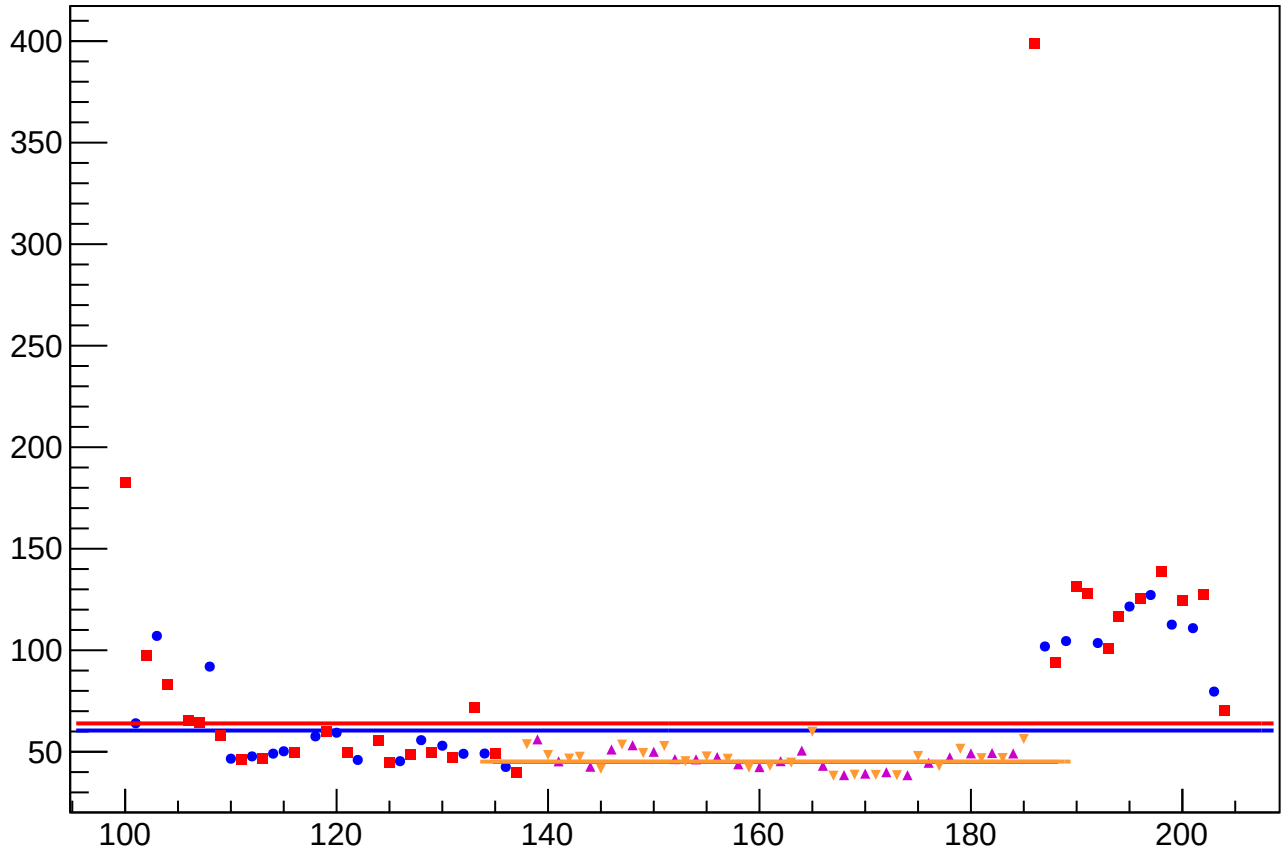
Left: -36.373+/-7.441 χ^2/NDF: 76.7/47

Right: 42.265+/-12.759 χ^2/NDF: 53.3/53

In: -14.198+/-9.185 χ^2/NDF:42.6/46

Out: -18.541+/-8.998 χ^2/NDF:115.6/54

All: -16.414+/-6.428 χ^2/NDF: 158.4/101



Right In: 60.475+/-0.013 χ^2/NDF: 3334675.0/23

Left Out: 45.175+/-0.007 χ^2/NDF:489860.2/24

Right Out: 63.964+/-0.013 χ^2/NDF: 4646808.0/29

Left In: 45.017+/-0.008 χ^2/NDF:372691.9/22

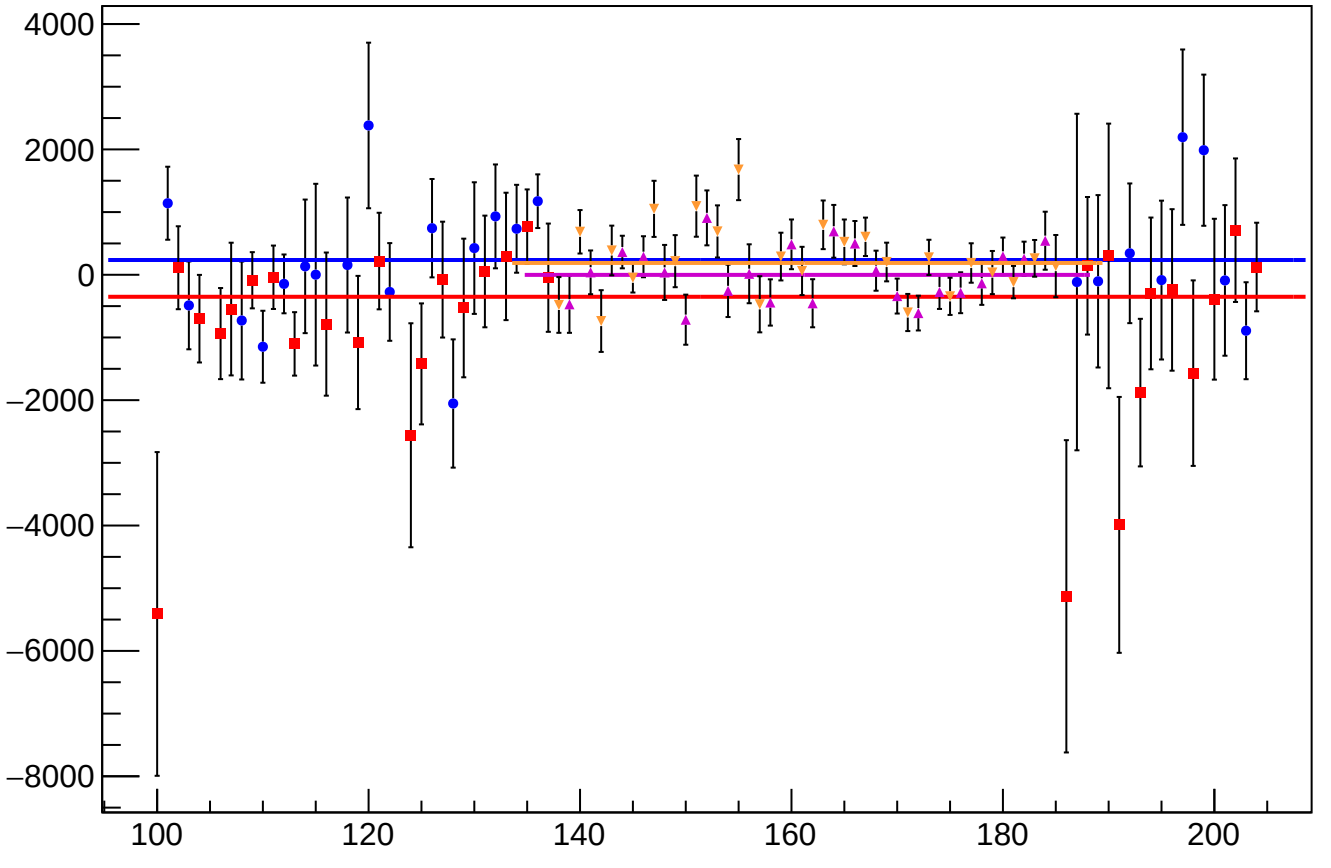
Left: 45.098+/-0.005 χ^2/NDF: 862776.2/47

Right: 62.230+/-0.009 χ^2/NDF: 8018877.1/53

In: 48.998+/-0.006 χ^2/NDF:4790431.5/46

Out: 49.876+/-0.006 χ^2/NDF:6772567.4/54

All: 49.446+/-0.005 χ^2/NDF: 11572323.6/101



Right In: 235.723+/-166.142 χ^2/NDF: 32.0/23

Left Out: 188.813+/-69.714 χ^2/NDF:46.8/24

Right Out: -350.962+/-157.208 χ^2/NDF: 27.3/29

Left In: -1.654+/-71.712 χ^2/NDF:32.2/22

Left: 96.270+/-49.987 χ^2/NDF: 82.6/47

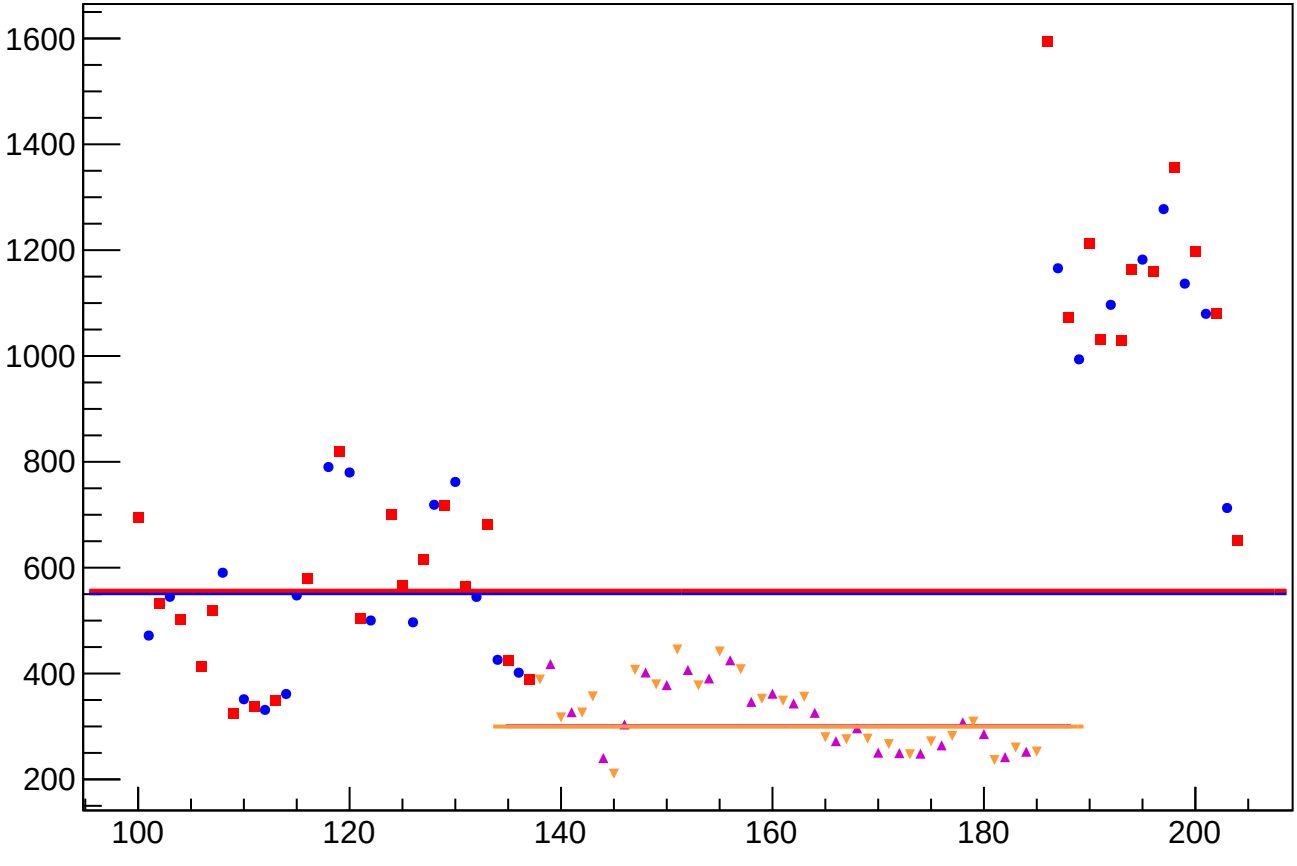
Right: -73.818+/-114.190 χ^2/NDF: 65.9/53

In: 35.625+/-65.841 χ^2/NDF:66.0/46

Out: 100.110+/-63.729 χ^2/NDF:83.9/54

All: 68.919+/-45.792 χ^2/NDF: 150.4/101

asym_sam_15_37_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 551.781+/-0.117 χ^2/NDF: 4178116.5/23

Left Out: 299.798+/-0.049 χ^2/NDF:1577421.4/24

Right Out: 556.543+/-0.111 χ^2/NDF: 5639785.6/29

Left In: 300.544+/-0.051 χ^2/NDF:1259265.2/22

Left: 300.161+/-0.035 χ^2/NDF: 2836797.9/47

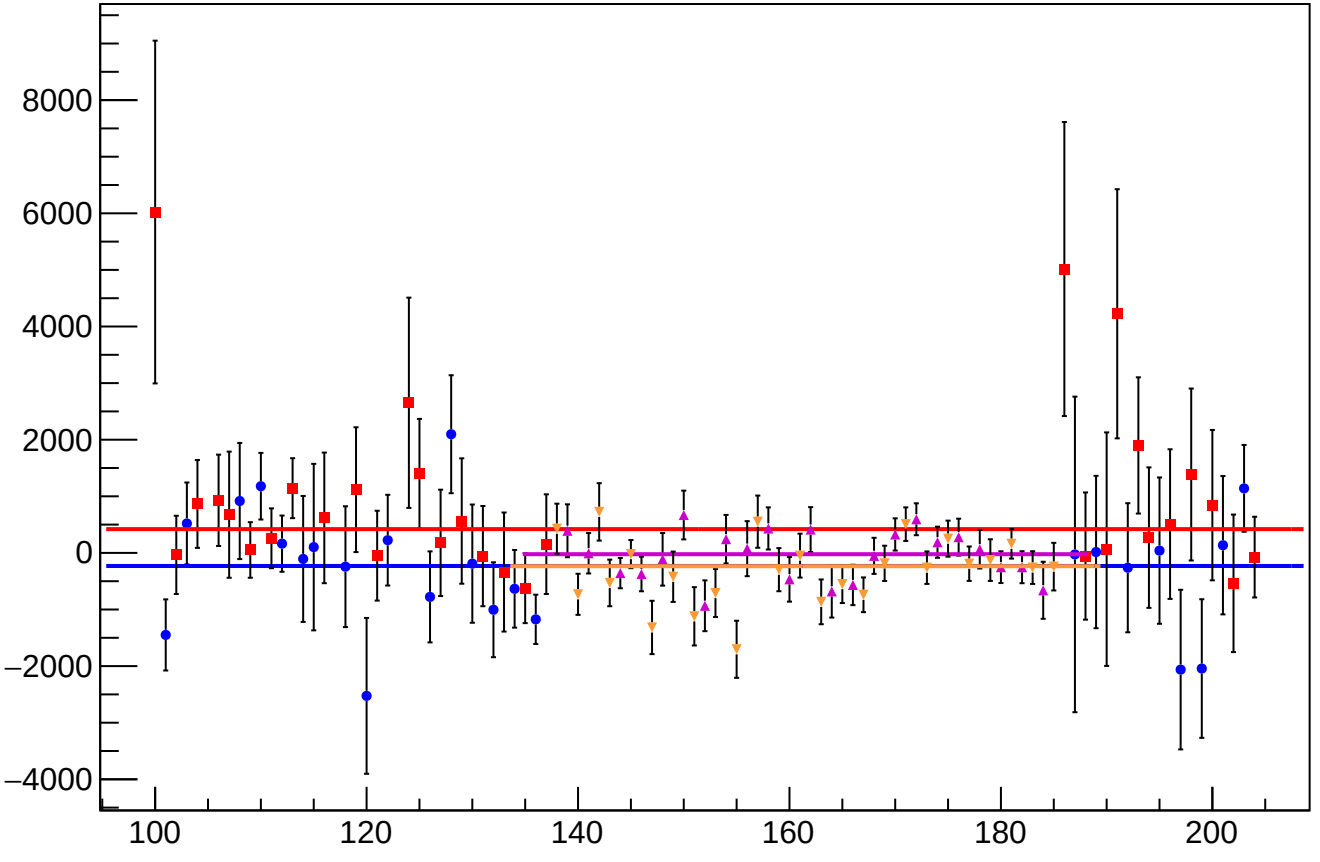
Right: 554.293+/-0.081 χ^2/NDF: 9818768.8/53

In: 340.001+/-0.047 χ^2/NDF:9292525.4/46

Out: 341.990+/-0.045 χ^2/NDF:11674981.3/54

All: 341.028+/-0.032 χ^2/NDF: 20968449.1/10

asym_sam_15_37_dd_mean vs Slug, Sign Corrected



Right In: -230.744+/-170.624 χ^2/NDF: 34.2/23

Left Out: -235.168+/-70.741 χ^2/NDF:47.5/24

Right Out: 420.274+/-164.382 χ^2/NDF: 23.7/29

Left In: -22.662+/-72.642 χ^2/NDF:29.9/22

Left: -131.732+/-50.680 χ^2/NDF: 81.7/47

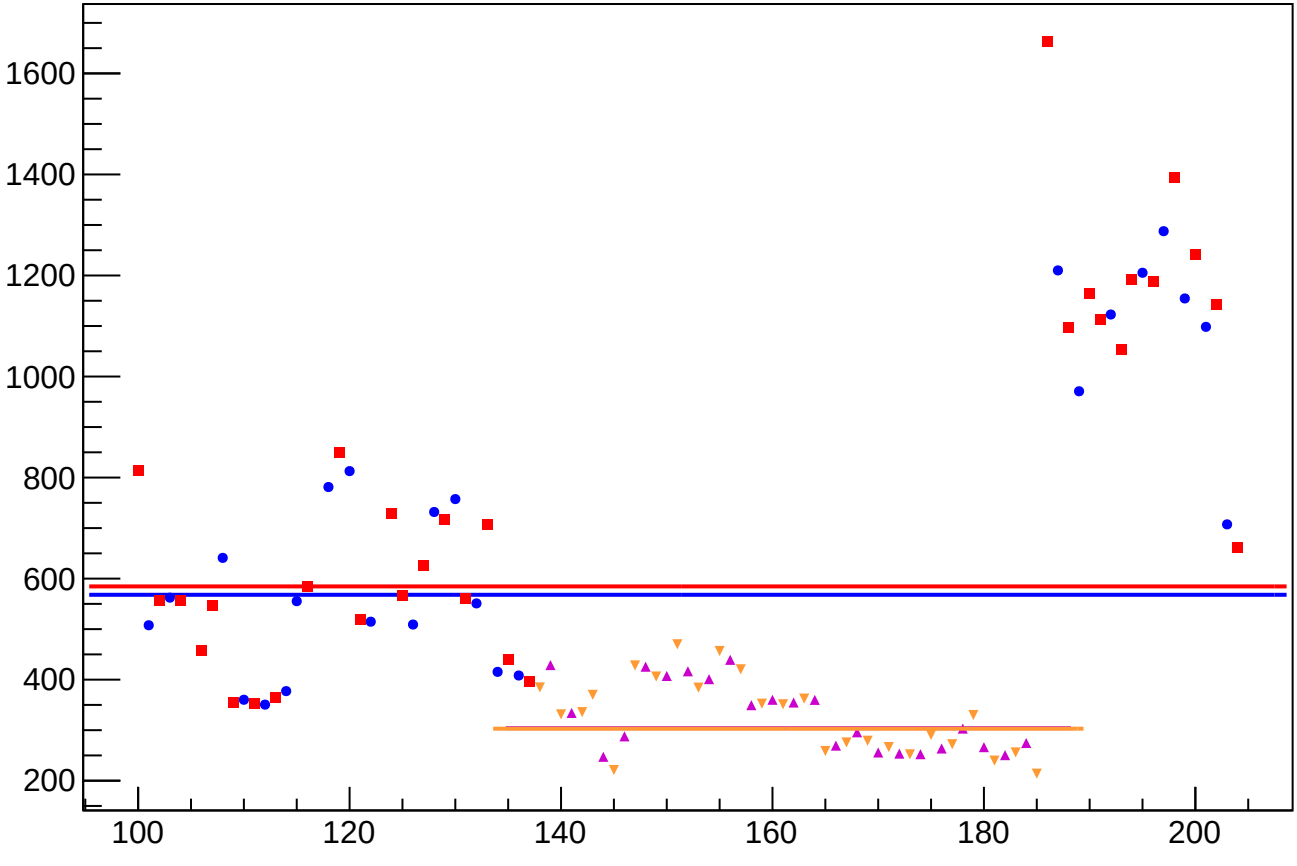
Right: 106.891+/-118.381 χ^2/NDF: 65.5/53

In: -54.592+/-66.837 χ^2/NDF:65.3/46

Out: -132.749+/-64.980 χ^2/NDF:84.6/54

All: -94.772+/-46.590 χ^2/NDF: 150.6/101

asym_sam_15_37_dd_rms vs Slug, Sign Corrected



Right In: 567.977+/-0.121 χ^2/NDF: 4034167.2/23

Left Out: 302.944+/-0.050 χ^2/NDF:1766061.8/24

Right Out: 584.558+/-0.116 χ^2/NDF: 5380214.1/29

Left In: 303.923+/-0.051 χ^2/NDF:1376278.3/22

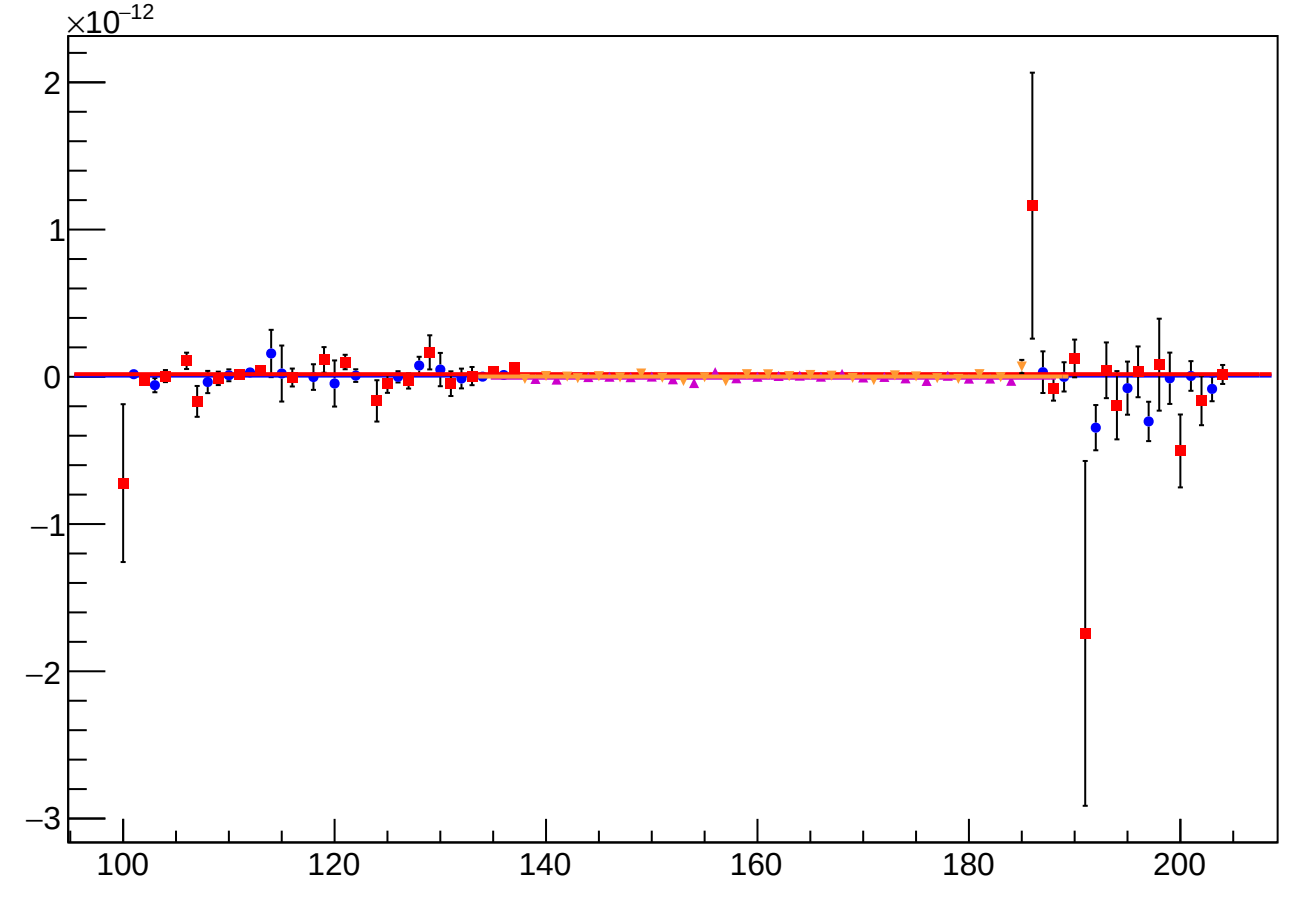
Left: 303.420+/-0.036 χ^2/NDF: 3142526.7/47

Right: 576.576+/-0.084 χ^2/NDF: 9424176.6/53

In: 344.441+/-0.047 χ^2/NDF:9465448.5/46

Out: 346.948+/-0.046 χ^2/NDF:12098959.3/54

All: 345.730+/-0.033 χ^2/NDF: 21565855.0/10



Right In: 0.000+/-0.000 χ^2/NDF: 17.7/23

Left Out: 0.000+/-0.000 χ^2/NDF:22.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 36.1/29

Left In: -0.000+/-0.000 χ^2/NDF:18.2/22

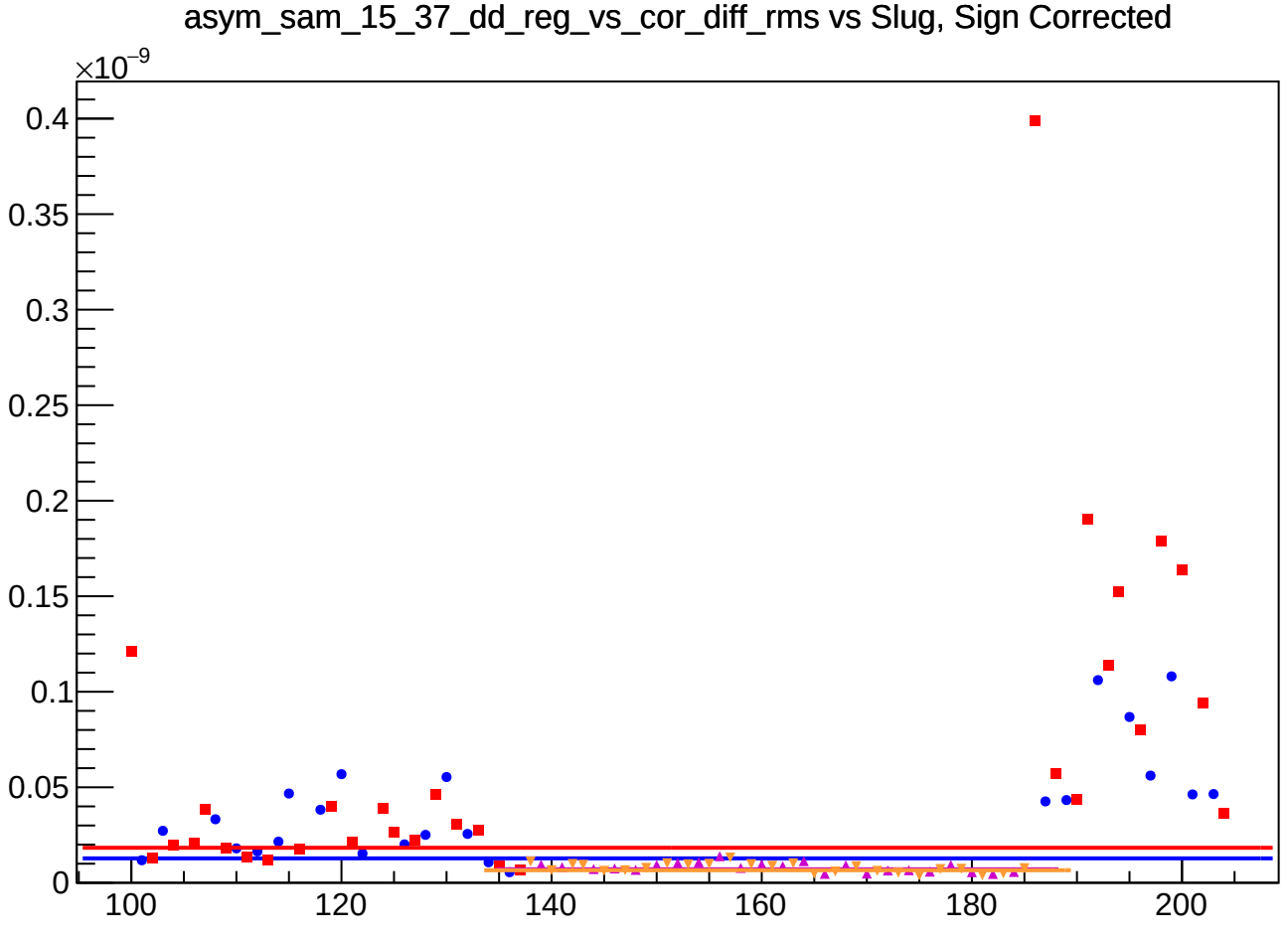
Left: -0.000+/-0.000 χ^2/NDF: 45.3/47

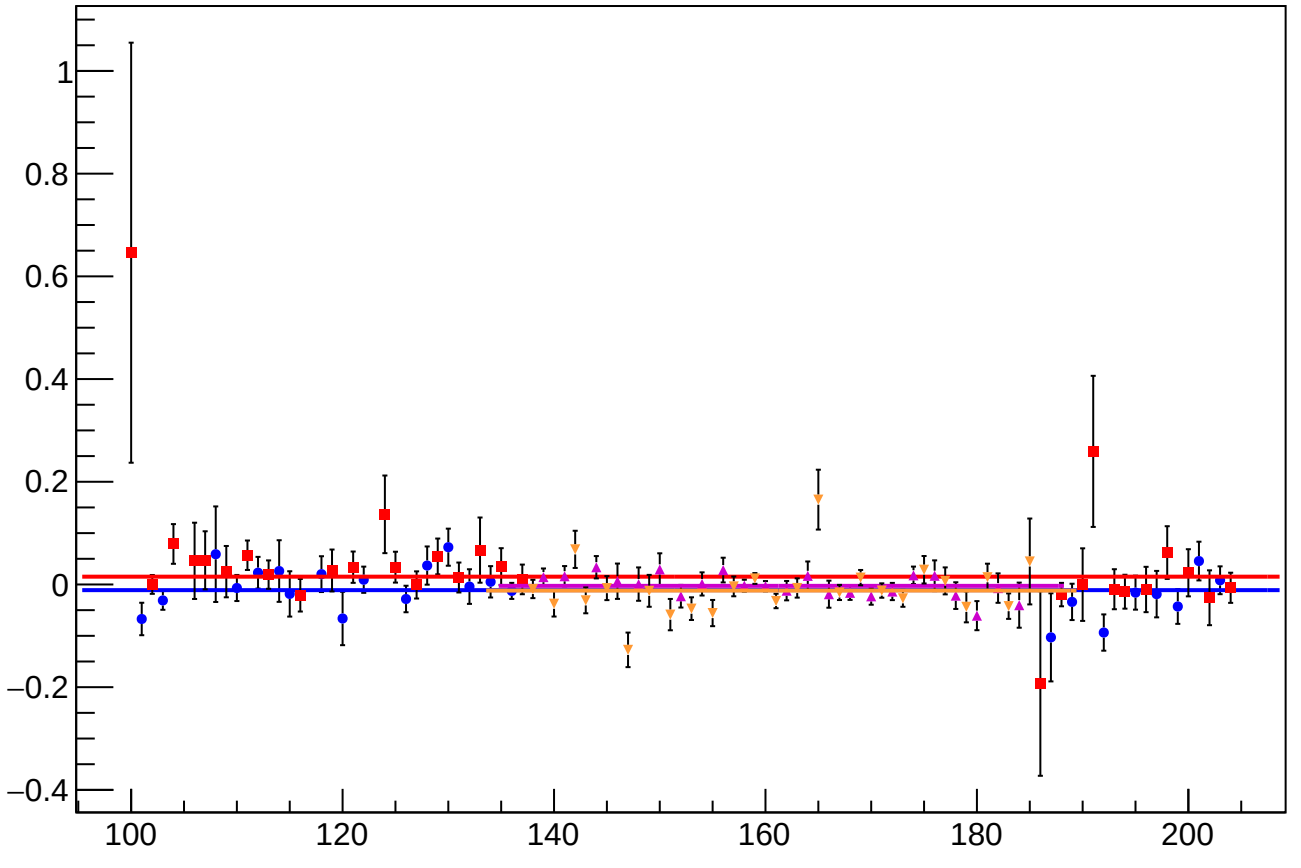
Right: 0.000+/-0.000 χ^2/NDF: 54.5/53

In: -0.000+/-0.000 χ^2/NDF:38.9/46

Out: 0.000+/-0.000 χ^2/NDF:61.4/54

All: -0.000+/-0.000 χ^2/NDF: 104.3/101


asym_sam_15_37_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 4883036.5/23
Left Out: 0.000+/-0.000 χ²/NDF:1479029.9/24
Right Out: 0.000+/-0.000 χ²/NDF: 5450405.7/29
Left In: 0.000+/-0.000 χ²/NDF:981529.7/22
Left: 0.000+/-0.000 χ²/NDF: 2496461.4/47
Right: 0.000+/-0.000 χ²/NDF: 10716189.7/53
In: 0.000+/-0.000 χ²/NDF:6794519.8/46
Out: 0.000+/-0.000 χ²/NDF:9540054.4/54
All: 0.000+/-0.000 χ²/NDF: 16359518.4/101



Right In: -0.011+/-0.006 χ^2/NDF: 27.7/23

Left Out: -0.012+/-0.004 χ^2/NDF:53.4/24

Right Out: 0.015+/-0.007 χ^2/NDF: 25.8/29

Left In: -0.003+/-0.004 χ^2/NDF:19.8/22

Left: -0.007+/-0.003 χ^2/NDF: 75.7/47

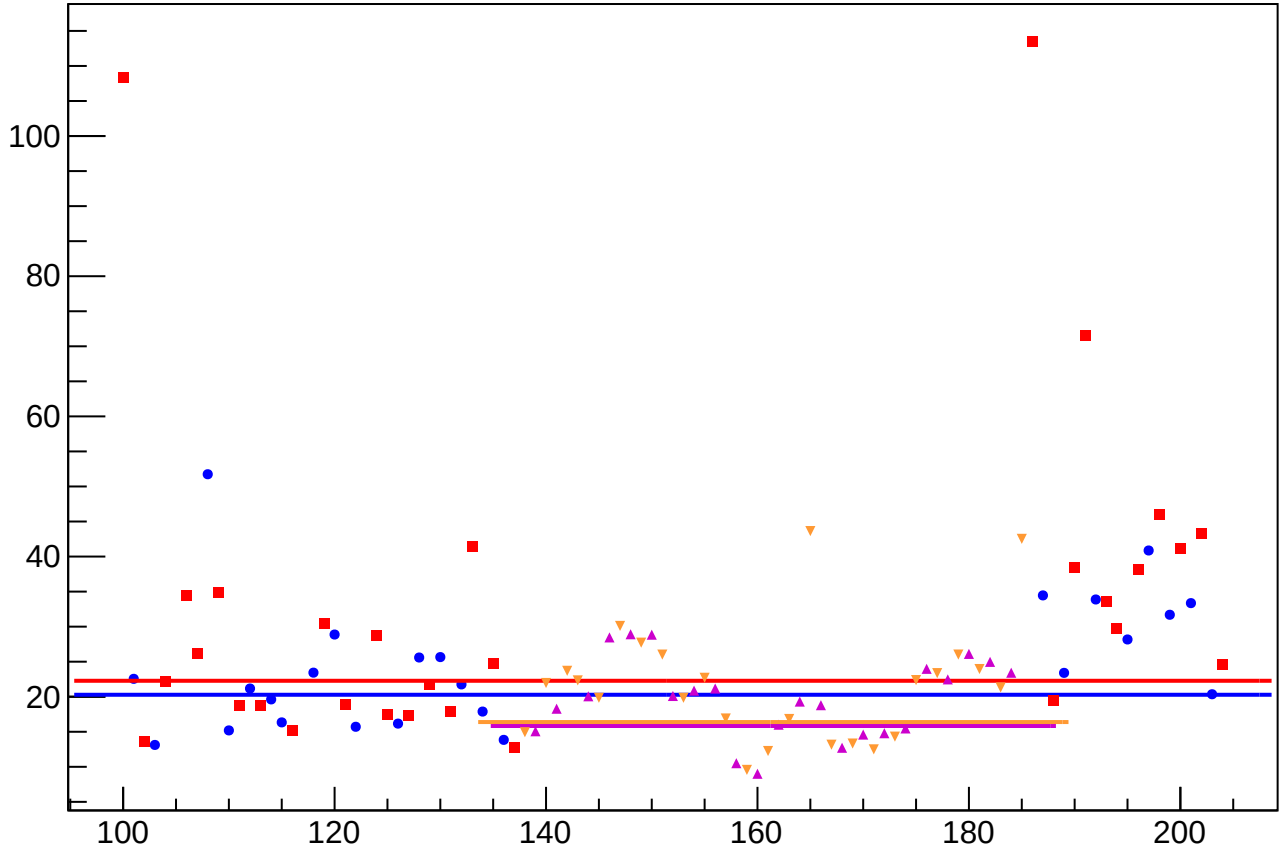
Right: 0.002+/-0.005 χ^2/NDF: 61.8/53

In: -0.005+/-0.003 χ^2/NDF:48.7/46

Out: -0.004+/-0.003 χ^2/NDF:91.5/54

All: -0.005+/-0.002 χ^2/NDF: 140.2/101

asym_sam_15_37_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 20.280+/-0.004 χ^2/NDF: 2634992.6/23

Left Out: 16.387+/-0.003 χ^2/NDF:4030028.3/24

Right Out: 22.276+/-0.005 χ^2/NDF: 4082456.0/29

Left In: 15.824+/-0.003 χ^2/NDF:3654469.7/22

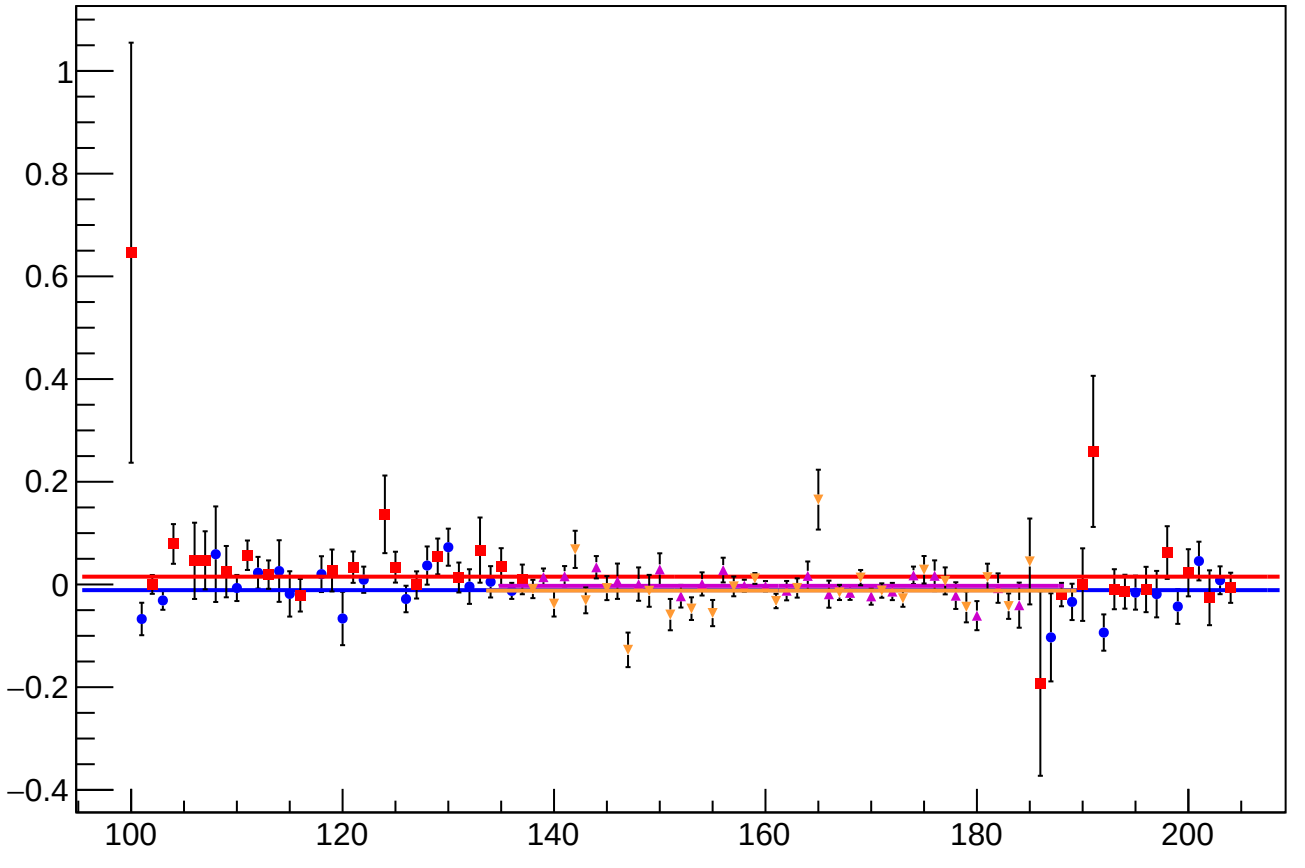
Left: 16.104+/-0.002 χ^2/NDF: 7703852.9/47

Right: 21.236+/-0.003 χ^2/NDF: 6814244.6/53

In: 17.128+/-0.002 χ^2/NDF:7002037.5/46

Out: 18.027+/-0.002 χ^2/NDF:9280166.7/54

All: 17.570+/-0.002 χ^2/NDF: 16350962.1/101



Right In: -0.011+/-0.006 χ^2/NDF: 27.7/23

Left Out: -0.012+/-0.004 χ^2/NDF:53.4/24

Right Out: 0.015+/-0.007 χ^2/NDF: 25.8/29

Left In: -0.003+/-0.004 χ^2/NDF:19.8/22

Left: -0.007+/-0.003 χ^2/NDF: 75.7/47

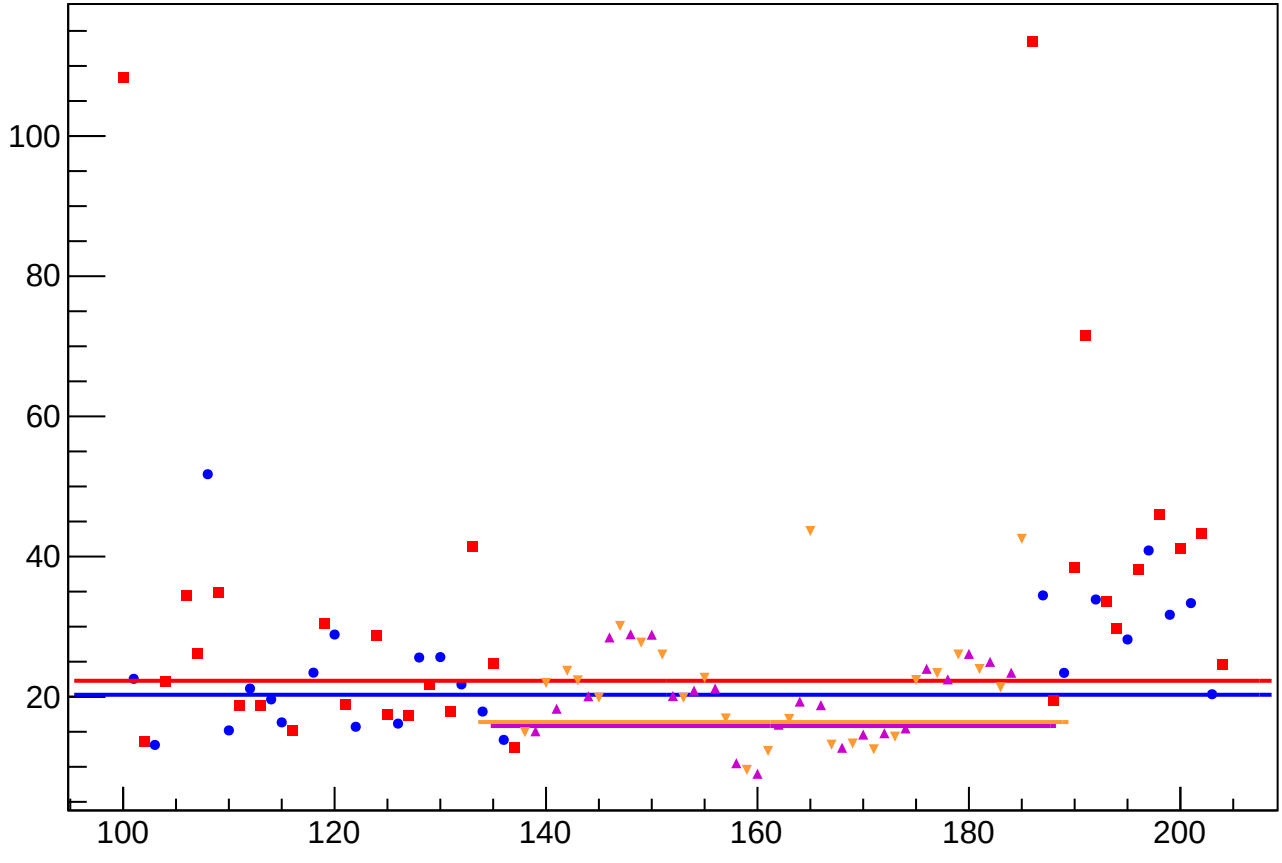
Right: 0.002+/-0.005 χ^2/NDF: 61.8/53

In: -0.005+/-0.003 χ^2/NDF:48.7/46

Out: -0.004+/-0.003 χ^2/NDF:91.5/54

All: -0.005+/-0.002 χ^2/NDF: 140.2/101

asym_sam_15_37_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 20.280+/-0.004 χ^2/NDF: 2634992.6/23

Left Out: 16.387+/-0.003 χ^2/NDF:4030028.3/24

Right Out: 22.276+/-0.005 χ^2/NDF: 4082456.0/29

Left In: 15.824+/-0.003 χ^2/NDF:3654469.7/22

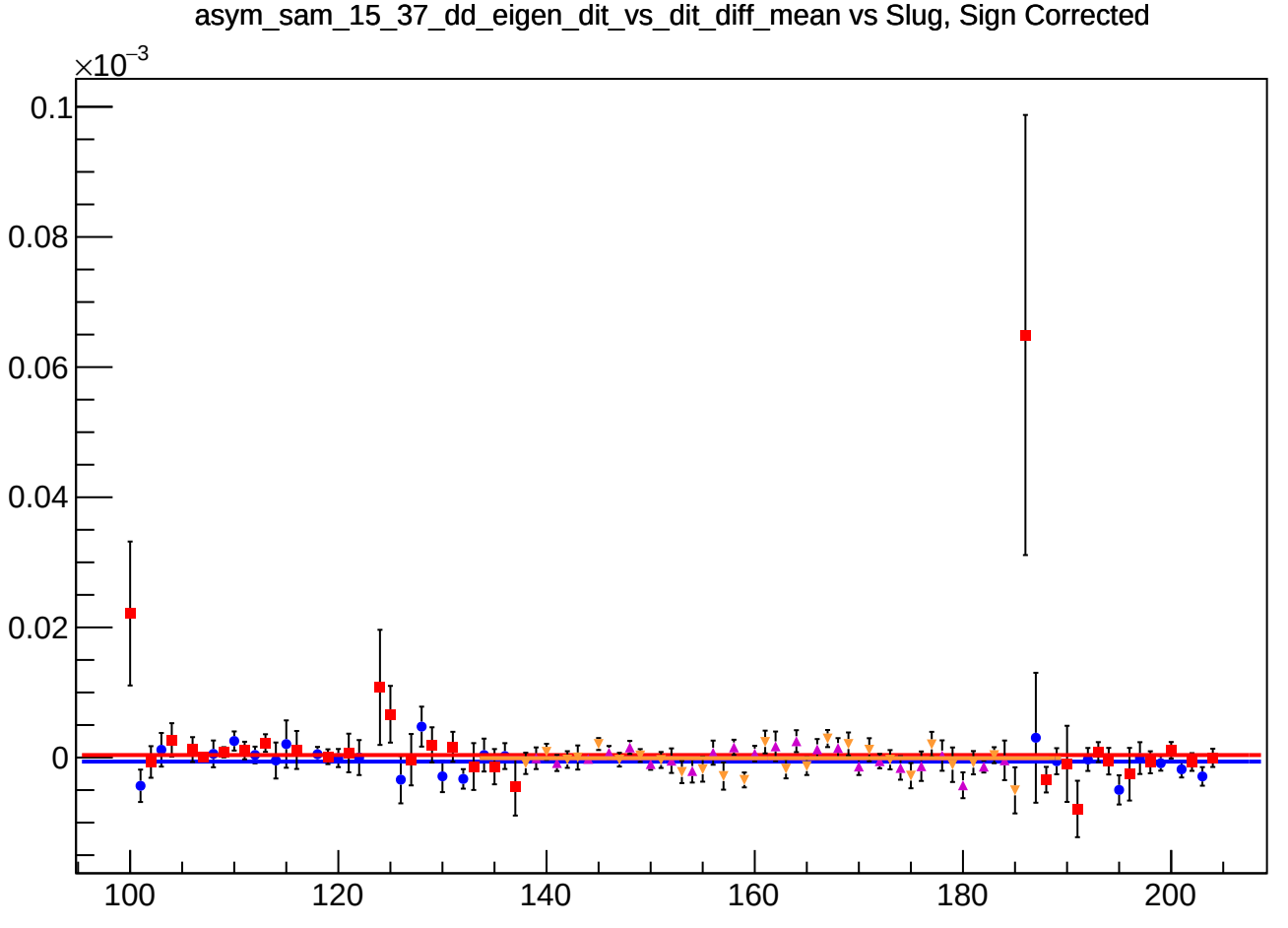
Left: 16.104+/-0.002 χ^2/NDF: 7703852.9/47

Right: 21.236+/-0.003 χ^2/NDF: 6814244.6/53

In: 17.128+/-0.002 χ^2/NDF:7002037.5/46

Out: 18.027+/-0.002 χ^2/NDF:9280166.7/54

All: 17.570+/-0.002 χ^2/NDF: 16350962.1/101



Right In: -0.000+/-0.000 χ^2/NDF: 25.6/23

Left Out: -0.000+/-0.000 χ^2/NDF:36.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 27.0/29

Left In: -0.000+/-0.000 χ^2/NDF:21.9/22

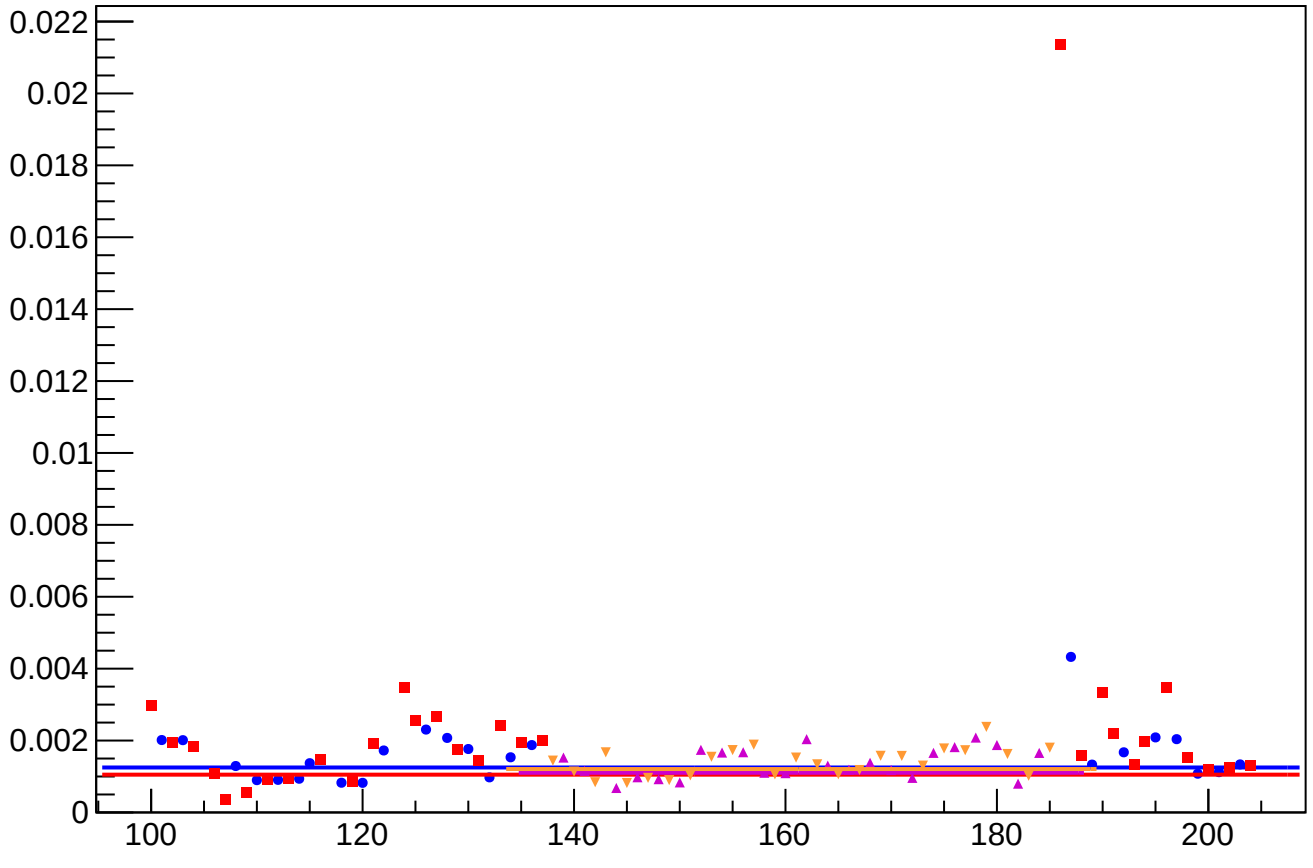
Left: -0.000+/-0.000 χ^2/NDF: 58.1/47

Right: -0.000+/-0.000 χ^2/NDF: 56.9/53

In: -0.000+/-0.000 χ^2/NDF:48.8/46

Out: 0.000+/-0.000 χ^2/NDF:64.4/54

All: -0.000+/-0.000 χ^2/NDF: 115.0/101



Right In: 0.001+/-0.000 χ^2/NDF: 2739900.3/23

Left Out: 0.001+/-0.000 χ^2/NDF:2720984.6/24

Right Out: 0.001+/-0.000 χ^2/NDF: 7675223.4/29

Left In: 0.001+/-0.000 χ^2/NDF:3494983.4/22

Left: 0.001+/-0.000 χ^2/NDF: 6352461.8/47

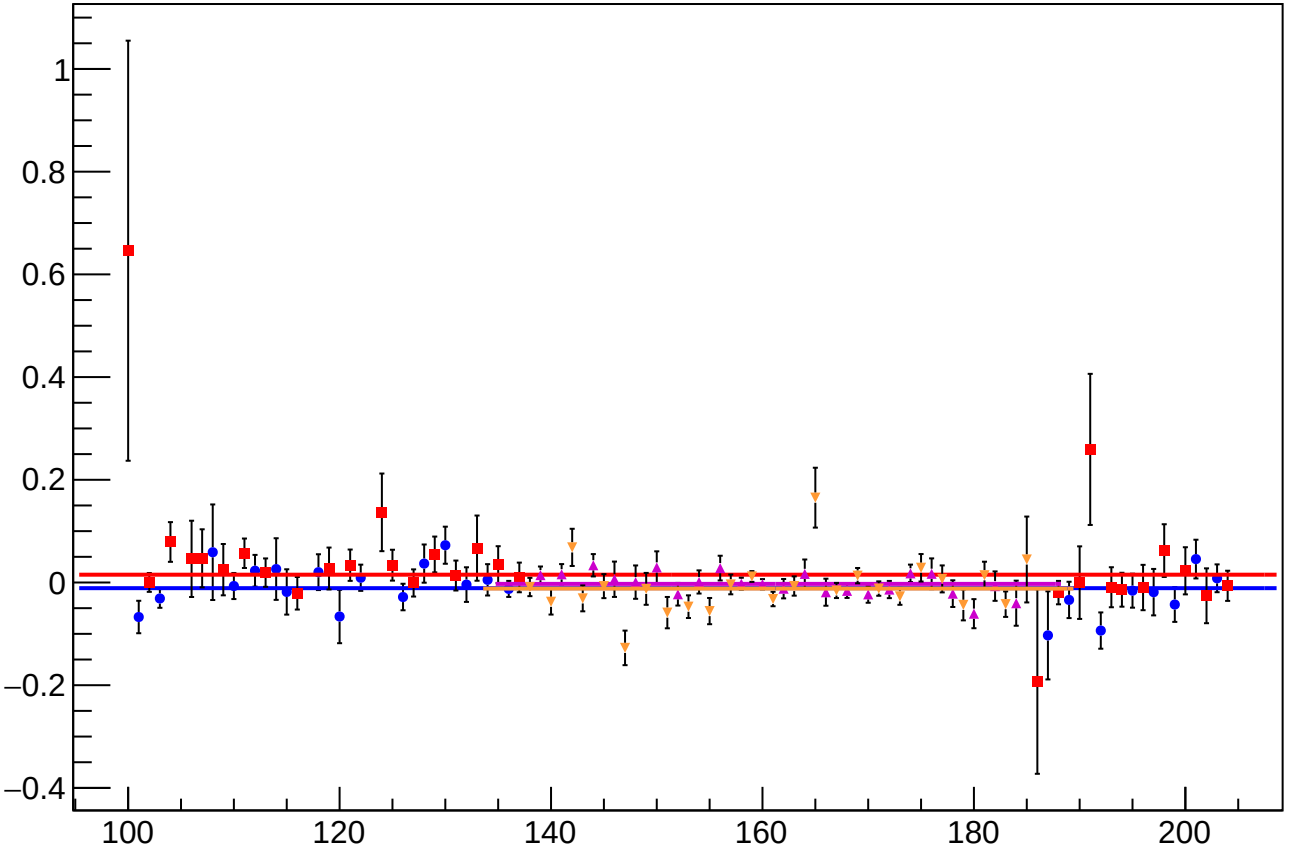
Right: 0.001+/-0.000 χ^2/NDF: 10751104.6/53

In: 0.001+/-0.000 χ^2/NDF:6438674.5/46

Out: 0.001+/-0.000 χ^2/NDF:10663384.9/54

All: 0.001+/-0.000 χ^2/NDF: 17109795.2/101

asym_sam_15_37_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.011+/-0.006 χ^2/NDF: 27.7/23

Left Out: -0.012+/-0.004 χ^2/NDF:53.4/24

Right Out: 0.015+/-0.007 χ^2/NDF: 25.8/29

Left In: -0.003+/-0.004 χ^2/NDF:19.8/22

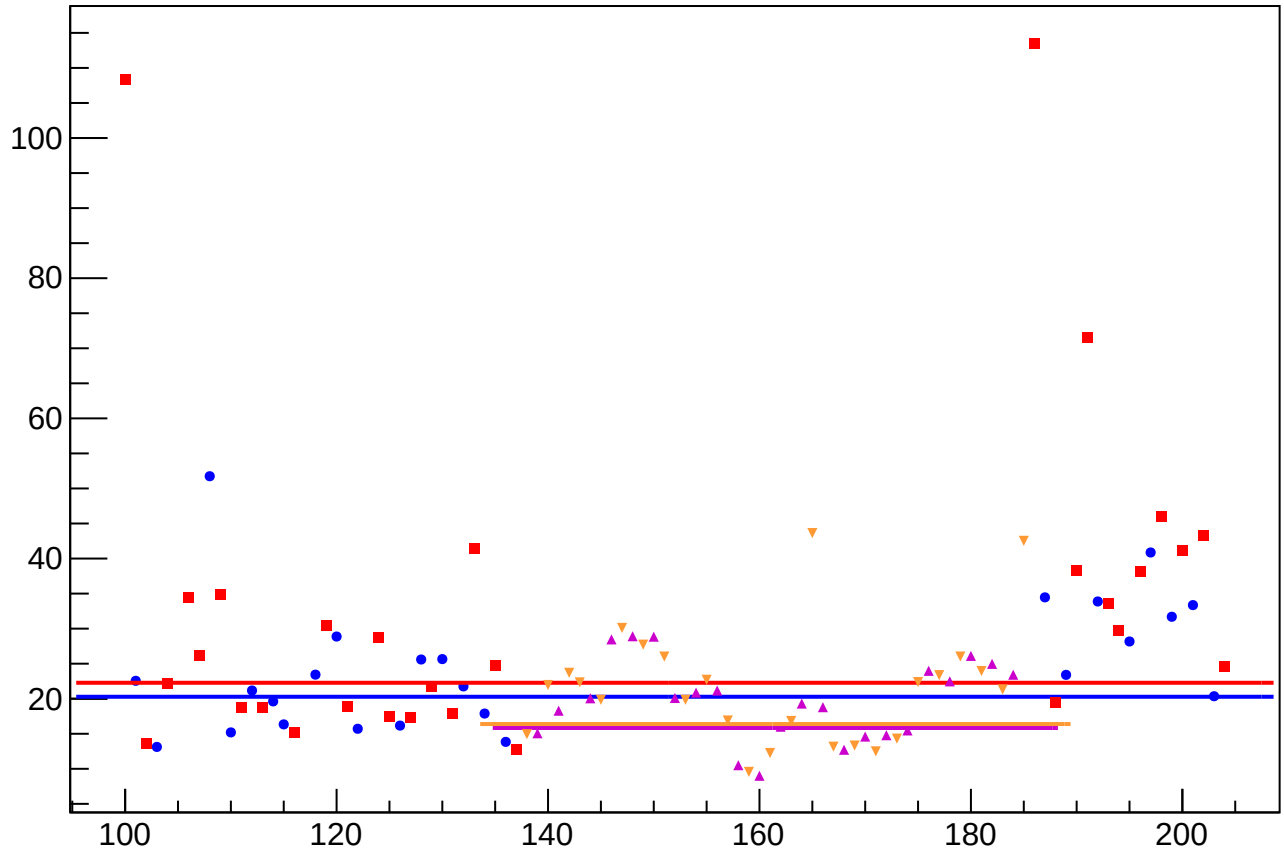
Left: -0.007+/-0.003 χ^2/NDF: 75.7/47

Right: 0.002+/-0.005 χ^2/NDF: 61.8/53

In: -0.005+/-0.003 χ^2/NDF:48.7/46

Out: -0.004+/-0.003 χ^2/NDF:91.5/54

All: -0.005+/-0.002 χ^2/NDF: 140.2/101



Right In: 20.280+/-0.004 χ^2/NDF: 2635005.5/23

Left Out: 16.387+/-0.003 χ^2/NDF:4030277.2/24

Right Out: 22.276+/-0.005 χ^2/NDF: 4082183.6/29

Left In: 15.823+/-0.003 χ^2/NDF:3654834.3/22

Left: 16.104+/-0.002 χ^2/NDF: 7704470.7/47

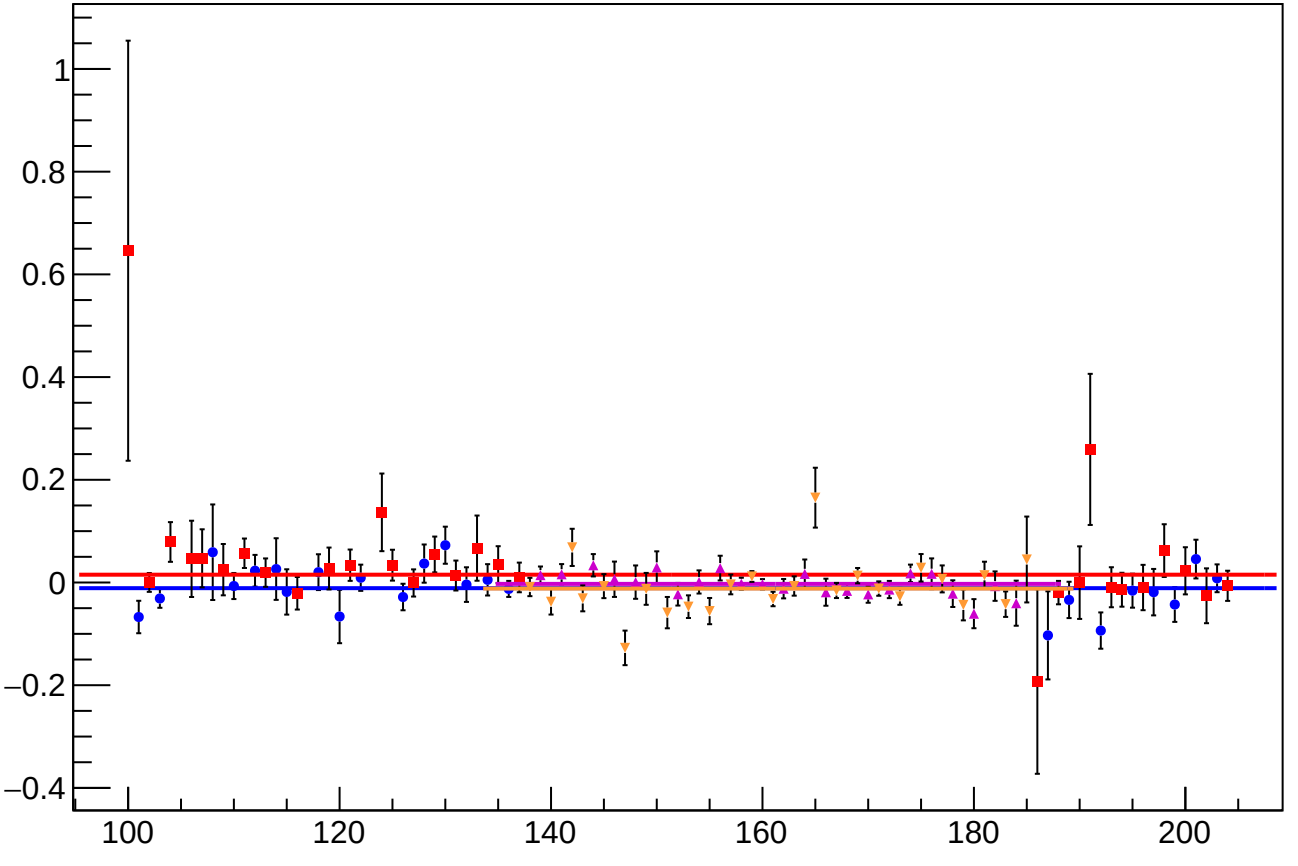
Right: 21.237+/-0.003 χ^2/NDF: 6814025.9/53

In: 17.128+/-0.002 χ^2/NDF:7002515.9/46

Out: 18.027+/-0.002 χ^2/NDF:9280400.3/54

All: 17.570+/-0.002 χ^2/NDF: 16351694.2/101

asym_sam_15_37_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.011+/-0.006 χ^2/NDF: 27.7/23

Left Out: -0.012+/-0.004 χ^2/NDF:53.4/24

Right Out: 0.015+/-0.007 χ^2/NDF: 25.8/29

Left In: -0.003+/-0.004 χ^2/NDF:19.8/22

Left: -0.007+/-0.003 χ^2/NDF: 75.7/47

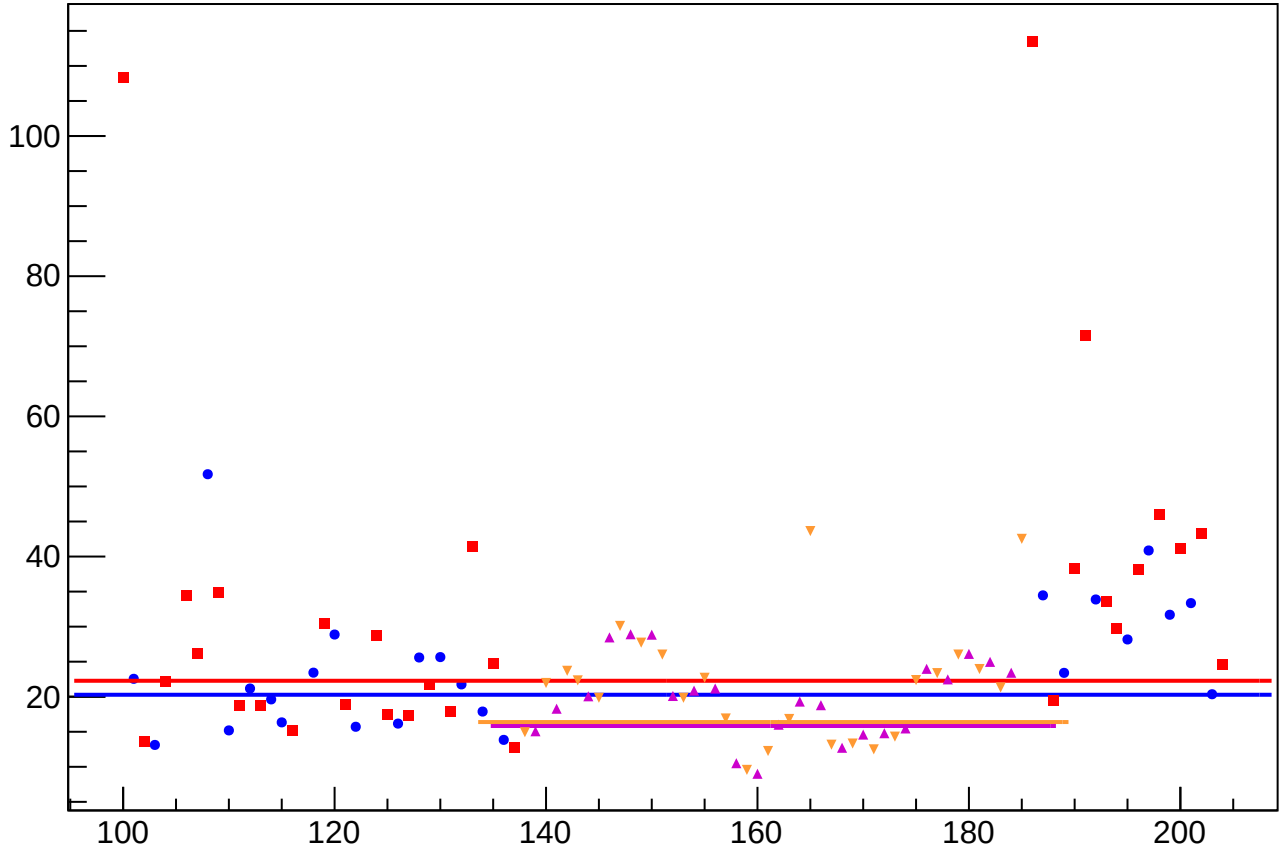
Right: 0.002+/-0.005 χ^2/NDF: 61.8/53

In: -0.005+/-0.003 χ^2/NDF:48.7/46

Out: -0.004+/-0.003 χ^2/NDF:91.5/54

All: -0.005+/-0.002 χ^2/NDF: 140.2/101

asym_sam_15_37_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 20.280+/-0.004 χ^2/NDF: 2635005.5/23

Left Out: 16.387+/-0.003 χ^2/NDF:4030277.2/24

Right Out: 22.276+/-0.005 χ^2/NDF: 4082183.6/29

Left In: 15.823+/-0.003 χ^2/NDF:3654834.3/22

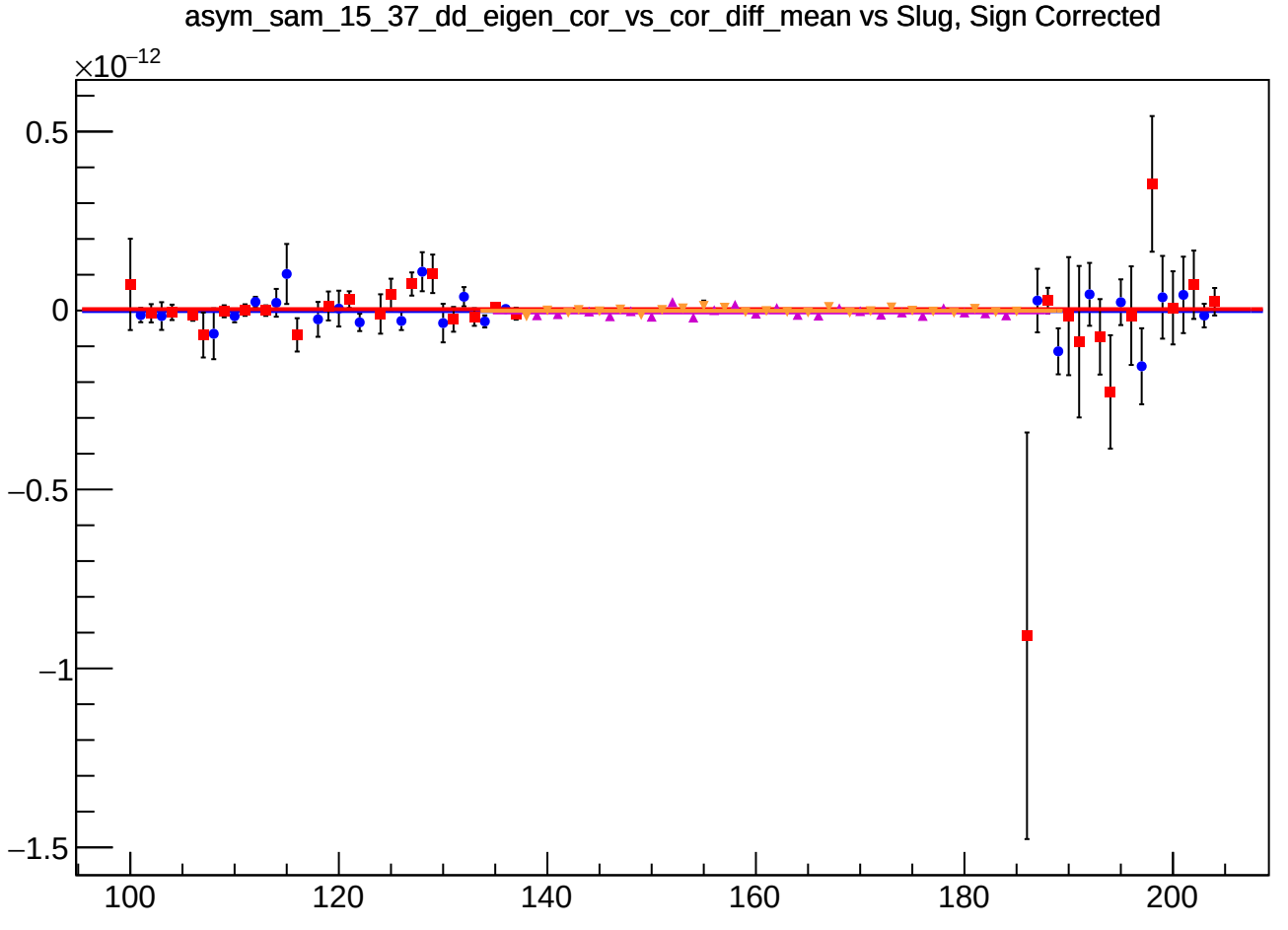
Left: 16.104+/-0.002 χ^2/NDF: 7704470.7/47

Right: 21.237+/-0.003 χ^2/NDF: 6814025.9/53

In: 17.128+/-0.002 χ^2/NDF:7002515.9/46

Out: 18.027+/-0.002 χ^2/NDF:9280400.3/54

All: 17.570+/-0.002 χ^2/NDF: 16351694.2/101



Right In: -0.000+/-0.000 χ^2/NDF: 26.4/23

Left Out: -0.000+/-0.000 χ^2/NDF:19.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 29.3/29

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

Left: -0.000+/-0.000 χ^2/NDF: 63.0/47

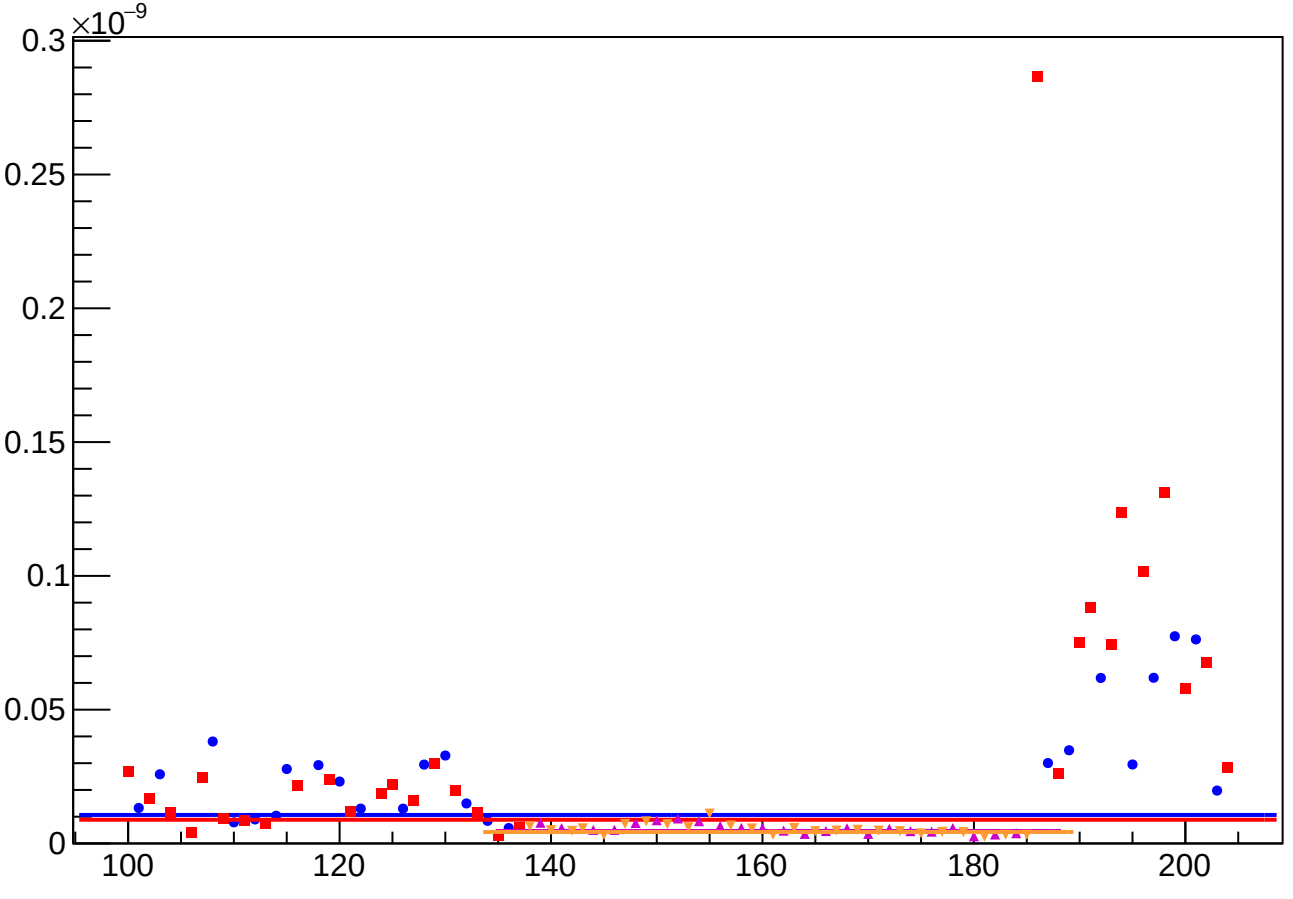
Right: 0.000+/-0.000 χ^2/NDF: 56.4/53

In: -0.000+/-0.000 χ^2/NDF:64.9/46

Out: -0.000+/-0.000 χ^2/NDF:49.4/54

All: -0.000+/-0.000 χ^2/NDF: 120.9/101

asym_sam_15_37_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 6002213.1/23

Left Out: 0.000+/-0.000 χ^2/NDF:2583638.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10076116.0/29

Left In: 0.000+/-0.000 χ^2/NDF:2508440.7/22

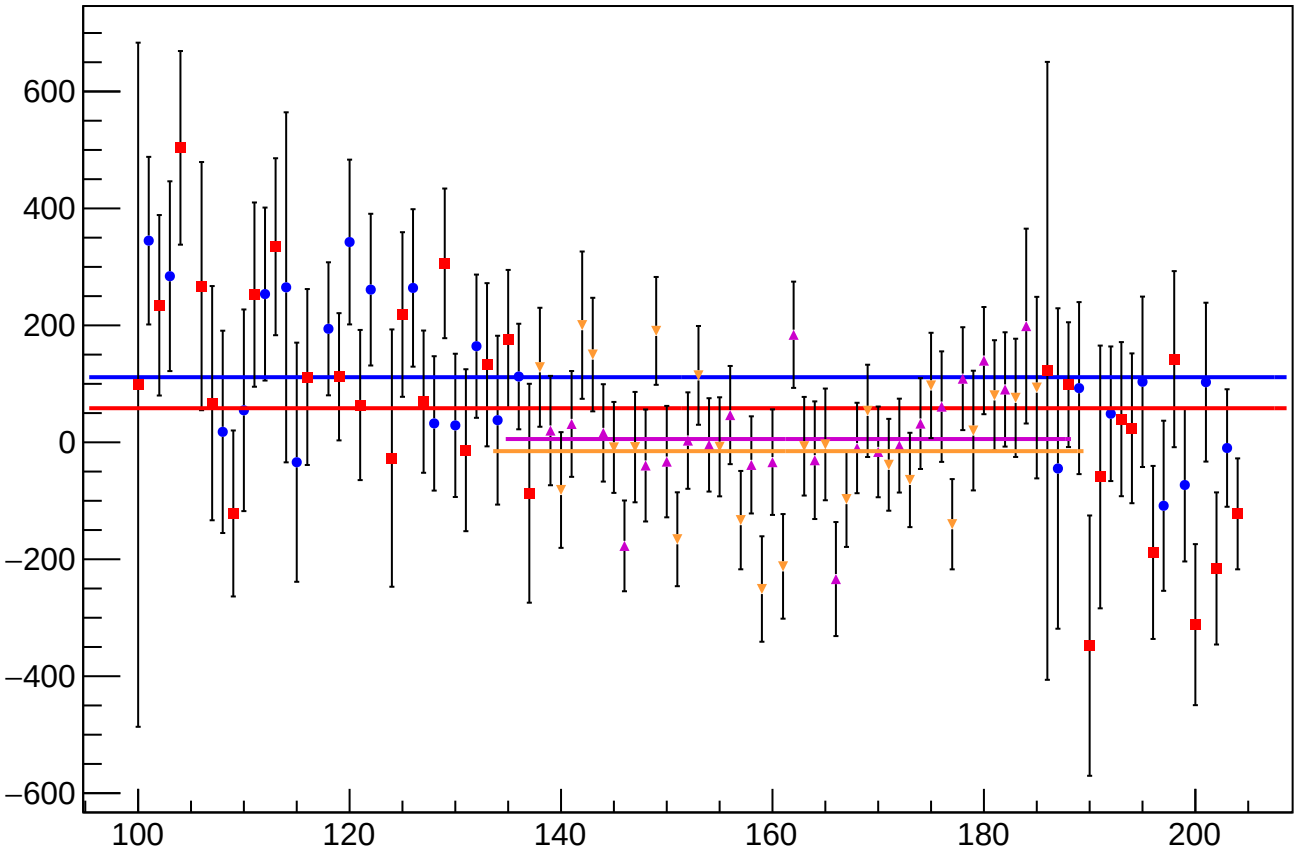
Left: 0.000+/-0.000 χ^2/NDF: 5171958.0/47

Right: 0.000+/-0.000 χ^2/NDF: 16224796.5/53

In: 0.000+/-0.000 χ^2/NDF:11236911.9/46

Out: 0.000+/-0.000 χ^2/NDF:14659066.1/54

All: 0.000+/-0.000 χ^2/NDF: 26023780.2/101



Right In: 111.380+/-27.761 χ^2/NDF: 19.5/23

Left Out: -15.100+/-17.957 χ^2/NDF:41.6/24

Right Out: 58.335+/-26.566 χ^2/NDF: 45.9/29

Left In: 5.629+/-18.382 χ^2/NDF:23.0/22

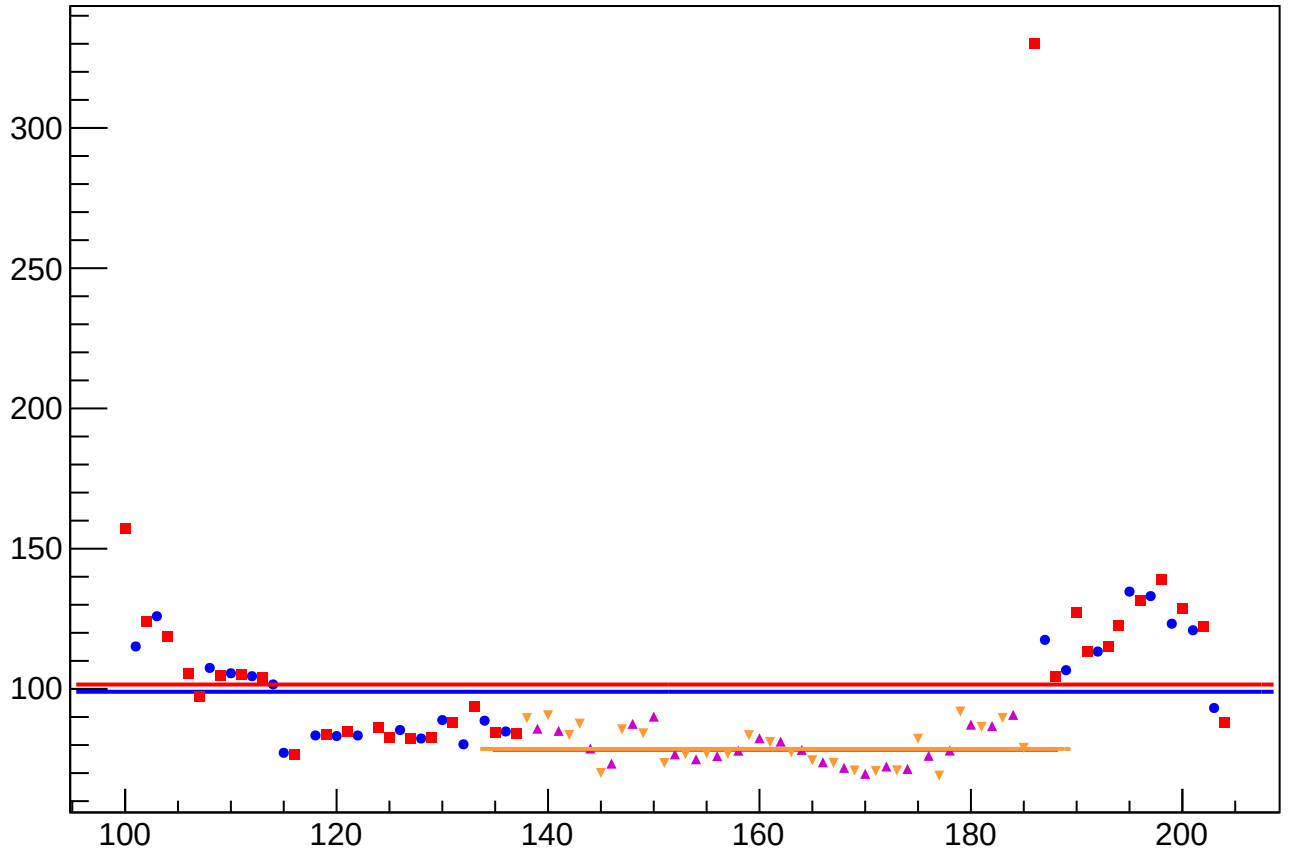
Left: -4.977+/-12.845 χ^2/NDF: 65.3/47

Right: 83.691+/-19.194 χ^2/NDF: 67.3/53

In: 37.862+/-15.326 χ^2/NDF:52.6/46

Out: 7.929+/-14.877 χ^2/NDF:92.8/54

All: 22.450+/-10.675 χ^2/NDF: 147.3/101



Right In: 98.990+/-0.020 χ^2/NDF: 790787.2/23

Left Out: 78.618+/-0.013 χ^2/NDF:307235.6/24

Right Out: 101.569+/-0.019 χ^2/NDF: 1310303.1/29

Left In: 78.334+/-0.013 χ^2/NDF:209146.2/22

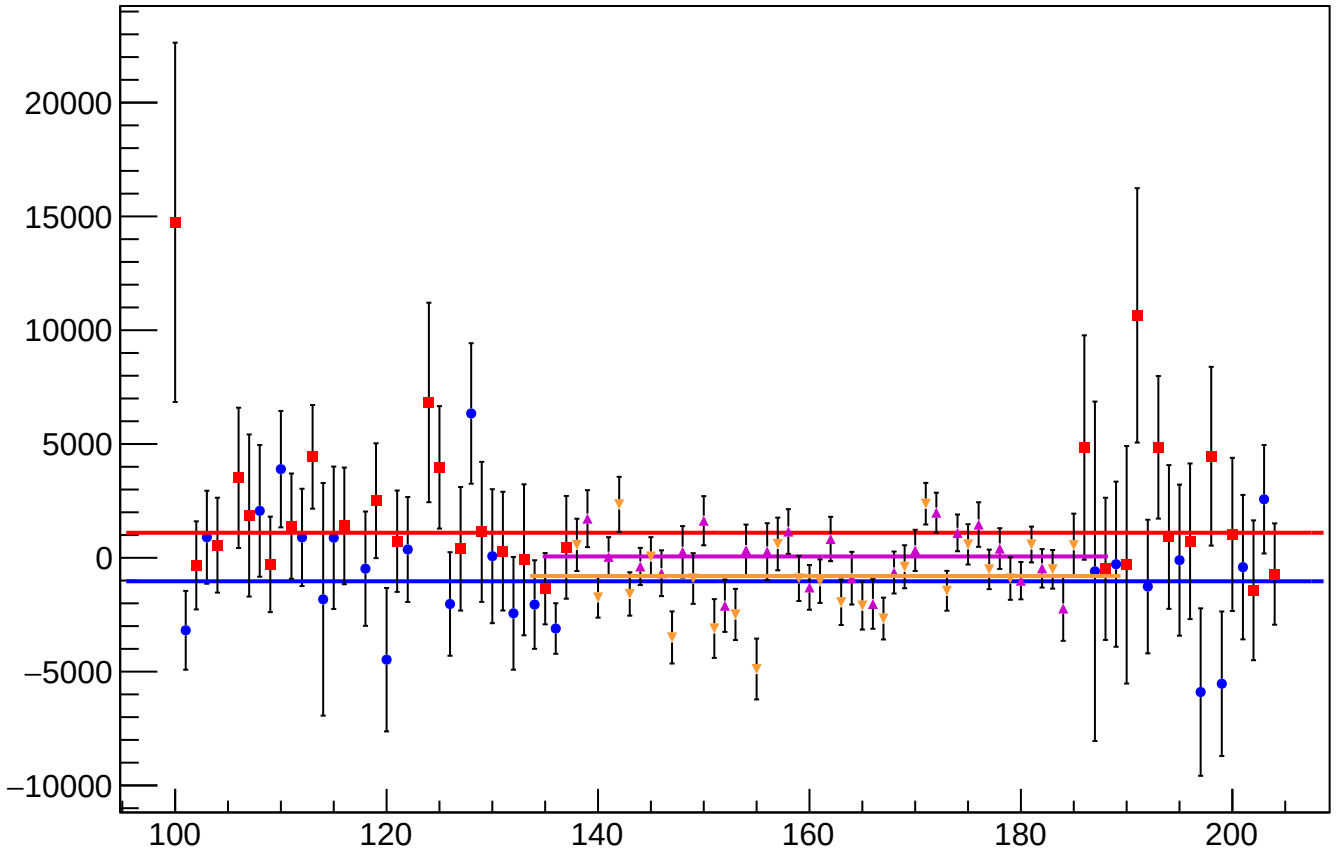
Left: 78.480+/-0.009 χ^2/NDF: 516625.8/47

Right: 100.336+/-0.014 χ^2/NDF: 2110103.9/53

In: 84.630+/-0.011 χ^2/NDF:1769646.8/46

Out: 85.816+/-0.011 χ^2/NDF:2642118.8/54

All: 85.240+/-0.008 χ^2/NDF: 4417929.2/101



Right In: -1031.022+/-496.739 χ^2/NDF: 26.5/23

Left Out: -797.000+/-197.884 χ^2/NDF:59.5/24

Right Out: 1101.691+/-496.861 χ^2/NDF: 20.2/29

Left In: 59.494+/-204.437 χ^2/NDF:30.5/22

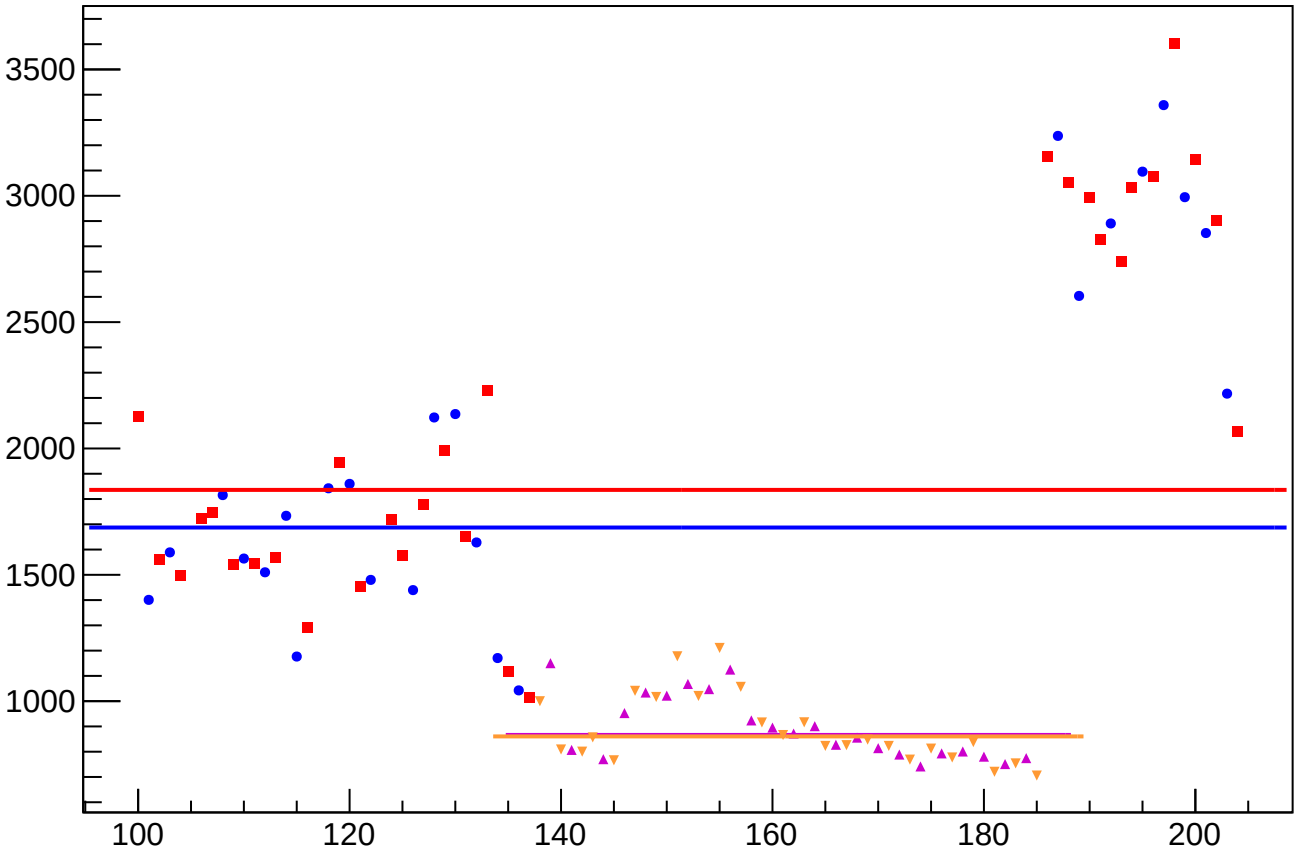
Left: -382.700+/-142.185 χ^2/NDF: 99.0/47

Right: 35.071+/-351.291 χ^2/NDF: 55.9/53

In: -98.463+/-189.052 χ^2/NDF:61.1/46

Out: -537.065+/-183.840 χ^2/NDF:92.3/54

All: -323.893+/-131.799 χ^2/NDF: 156.1/101



Right In: 1687.186+/-0.351 χ^2/NDF: 3121086.9/23

Left Out: 860.492+/-0.140 χ^2/NDF:699252.0/24

Right Out: 1836.088+/-0.351 χ^2/NDF: 3398130.1/29

Left In: 866.351+/-0.145 χ^2/NDF:613257.7/22

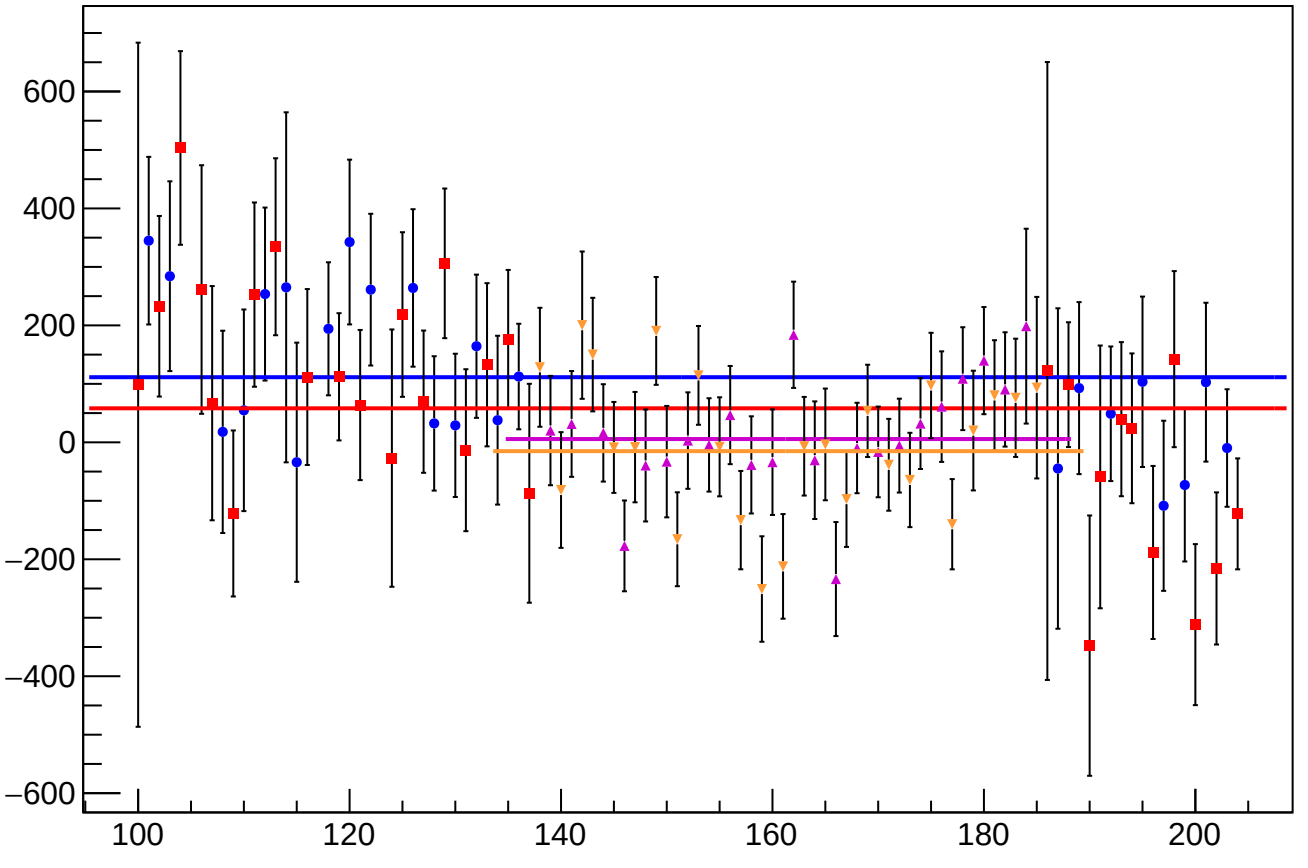
Left: 863.326+/-0.101 χ^2/NDF: 1313357.9/47

Right: 1761.619+/-0.248 χ^2/NDF: 6609050.2/53

In: 985.246+/-0.134 χ^2/NDF:8404489.0/46

Out: 994.053+/-0.130 χ^2/NDF:10752562.2/54

All: 989.773+/-0.093 χ^2/NDF: 19159282.1/10



Right In: 111.375+/-27.761 χ^2/NDF: 19.5/23

Left Out: -15.098+/-17.957 χ^2/NDF:41.6/24

Right Out: 58.176+/-26.567 χ^2/NDF: 45.8/29

Left In: 5.626+/-18.382 χ^2/NDF:23.0/22

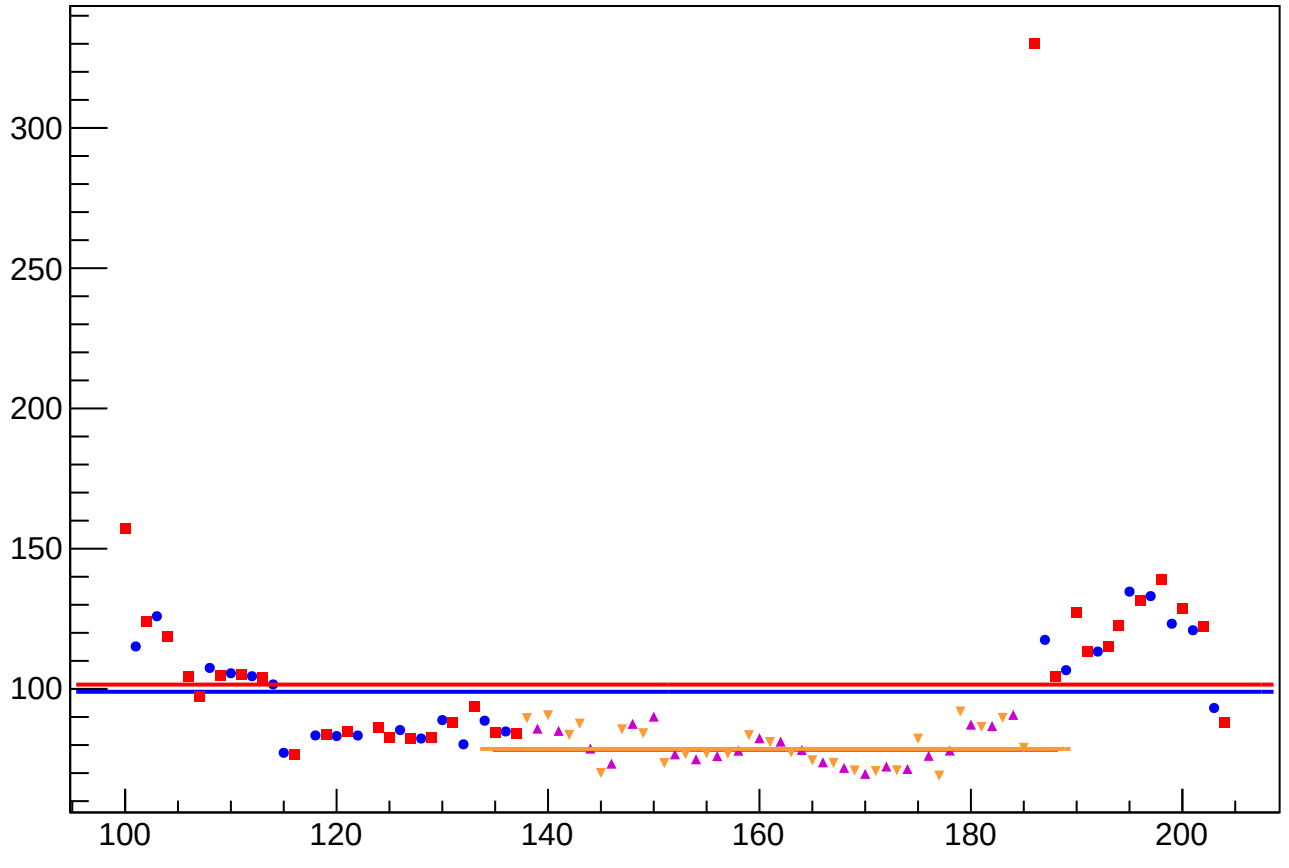
Left: -4.978+/-12.845 χ^2/NDF: 65.3/47

Right: 83.607+/-19.194 χ^2/NDF: 67.2/53

In: 37.858+/-15.326 χ^2/NDF:52.5/46

Out: 7.880+/-14.877 χ^2/NDF:92.7/54

All: 22.423+/-10.675 χ^2/NDF: 147.2/101



Right In: 98.990+/-0.020 χ^2/NDF: 790788.7/23

Left Out: 78.618+/-0.013 χ^2/NDF:307235.6/24

Right Out: 101.550+/-0.019 χ^2/NDF: 1310085.7/29

Left In: 78.334+/-0.013 χ^2/NDF:209146.2/22

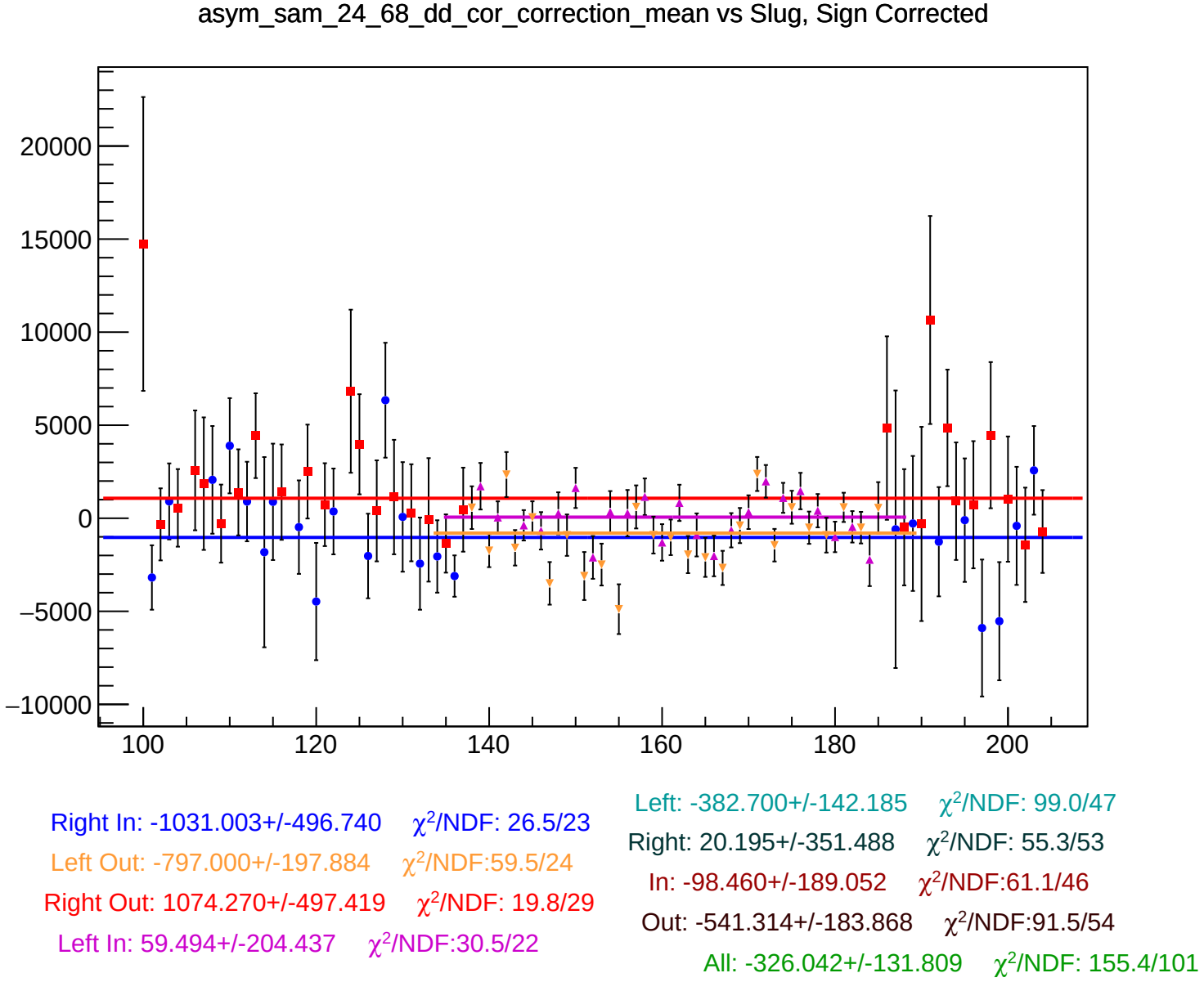
Left: 78.480+/-0.009 χ^2/NDF: 516625.8/47

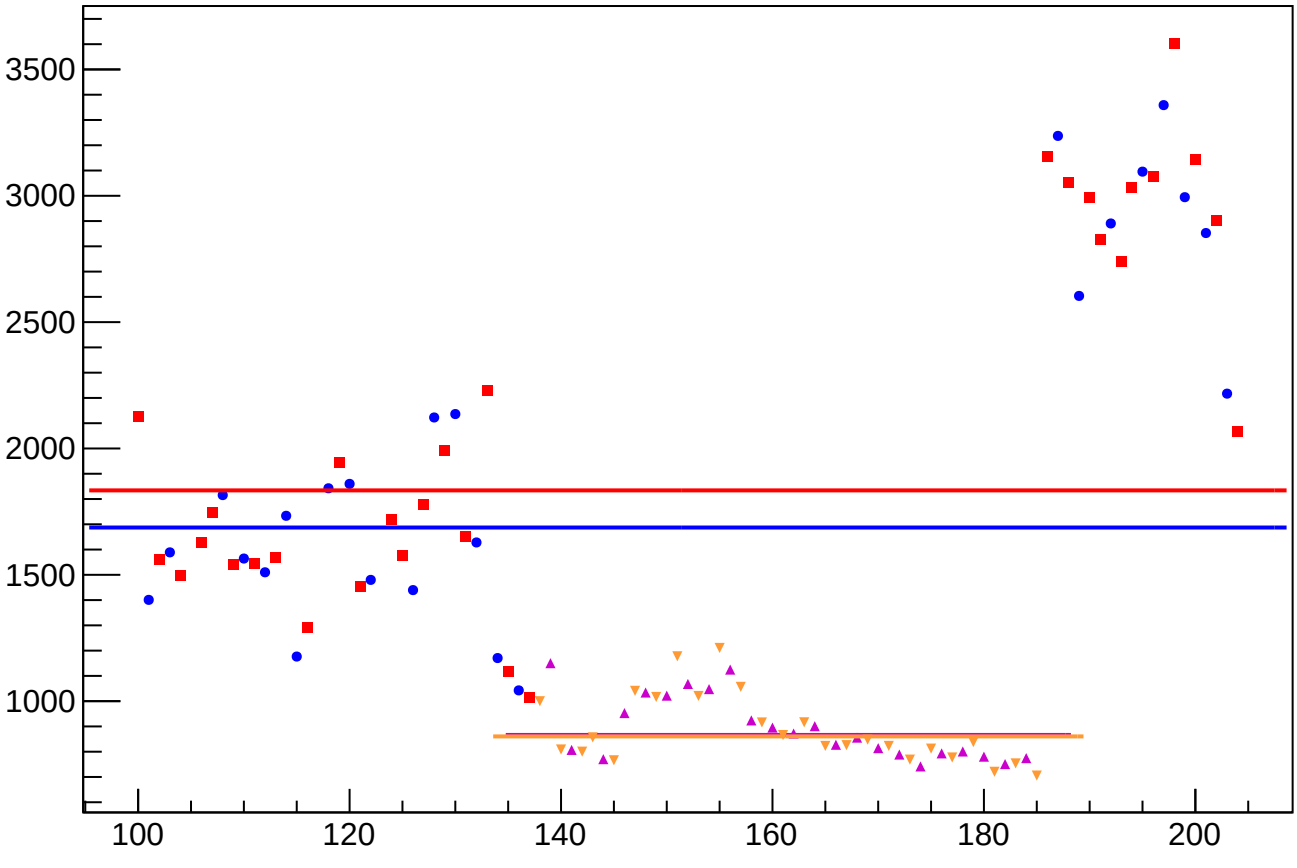
Right: 100.326+/-0.014 χ^2/NDF: 2109753.8/53

In: 84.630+/-0.011 χ^2/NDF:1769648.7/46

Out: 85.809+/-0.011 χ^2/NDF:2640132.4/54

All: 85.237+/-0.008 χ^2/NDF: 4415878.2/101


asym_sam_24_68_dd_cor_correction_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
100
120
140
160
180
200
Right In: -1031.003+/-496.740 χ²/NDF: 26.5/23
Left Out: -797.000+/-197.884 χ²/NDF:59.5/24
Right Out: 1074.270+/-497.419 χ²/NDF: 19.8/29
Left In: 59.494+/-204.437 χ²/NDF:30.5/22
Left: -382.700+/-142.185 χ²/NDF: 99.0/47
Right: 20.195+/-351.488 χ²/NDF: 55.3/53
In: -98.460+/-189.052 χ²/NDF:61.1/46
Out: -541.314+/-183.868 χ²/NDF:91.5/54
All: -326.042+/-131.809 χ²/NDF: 155.4/101



Right In: 1687.190+/-0.351 χ^2/NDF: 3121081.6/23

Left Out: 860.492+/-0.140 χ^2/NDF:699250.7/24

Right Out: 1834.151+/-0.352 χ^2/NDF: 3403476.6/29

Left In: 866.352+/-0.145 χ^2/NDF:613256.3/22

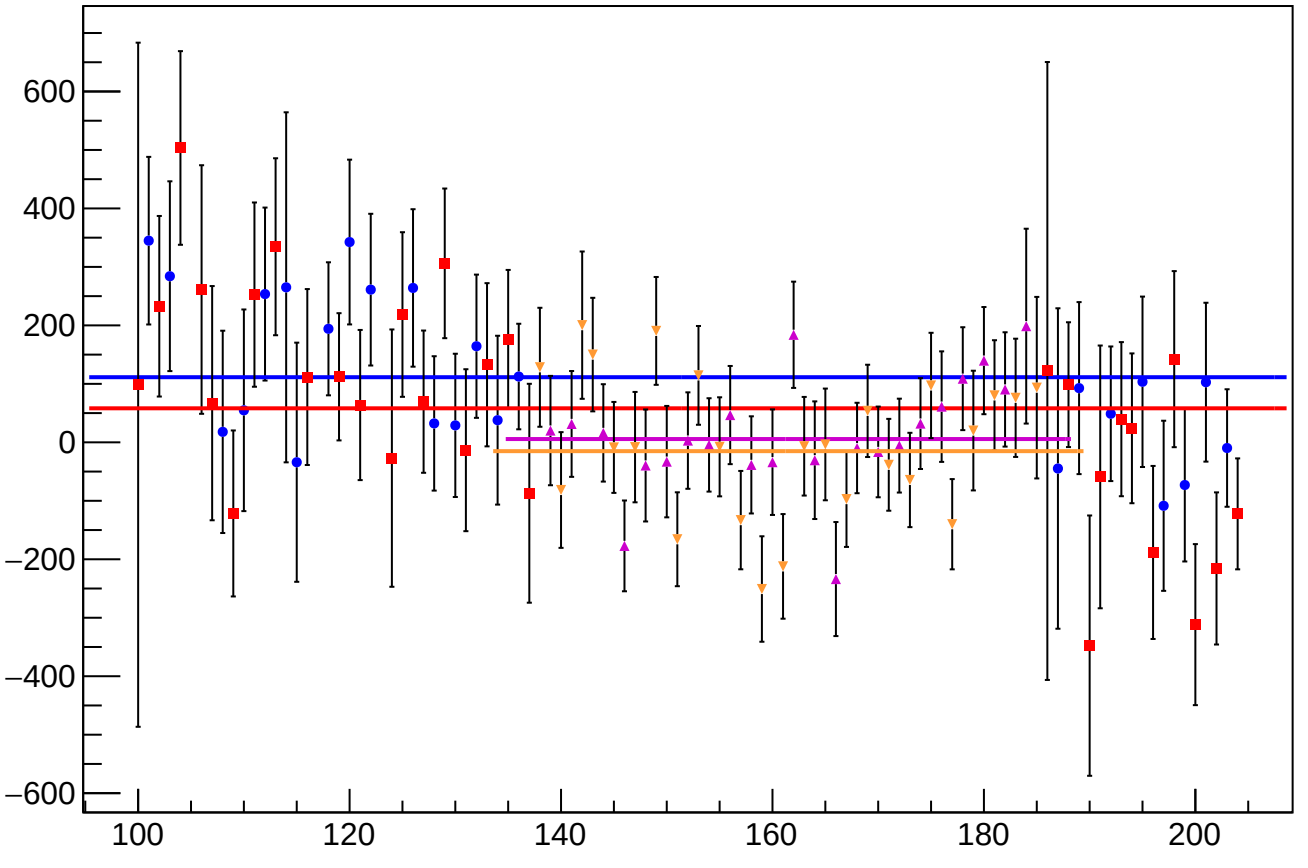
Left: 863.327+/-0.101 χ^2/NDF: 1313355.3/47

Right: 1760.570+/-0.249 χ^2/NDF: 6611965.7/53

In: 985.247+/-0.134 χ^2/NDF:8404505.2/46

Out: 993.530+/-0.130 χ^2/NDF:10718672.0/54

All: 989.504+/-0.093 χ^2/NDF: 19125150.4/10



Right In: 111.375+/-27.761 χ^2/NDF: 19.5/23

Left Out: -15.098+/-17.957 χ^2/NDF:41.6/24

Right Out: 58.176+/-26.567 χ^2/NDF: 45.8/29

Left In: 5.626+/-18.382 χ^2/NDF:23.0/22

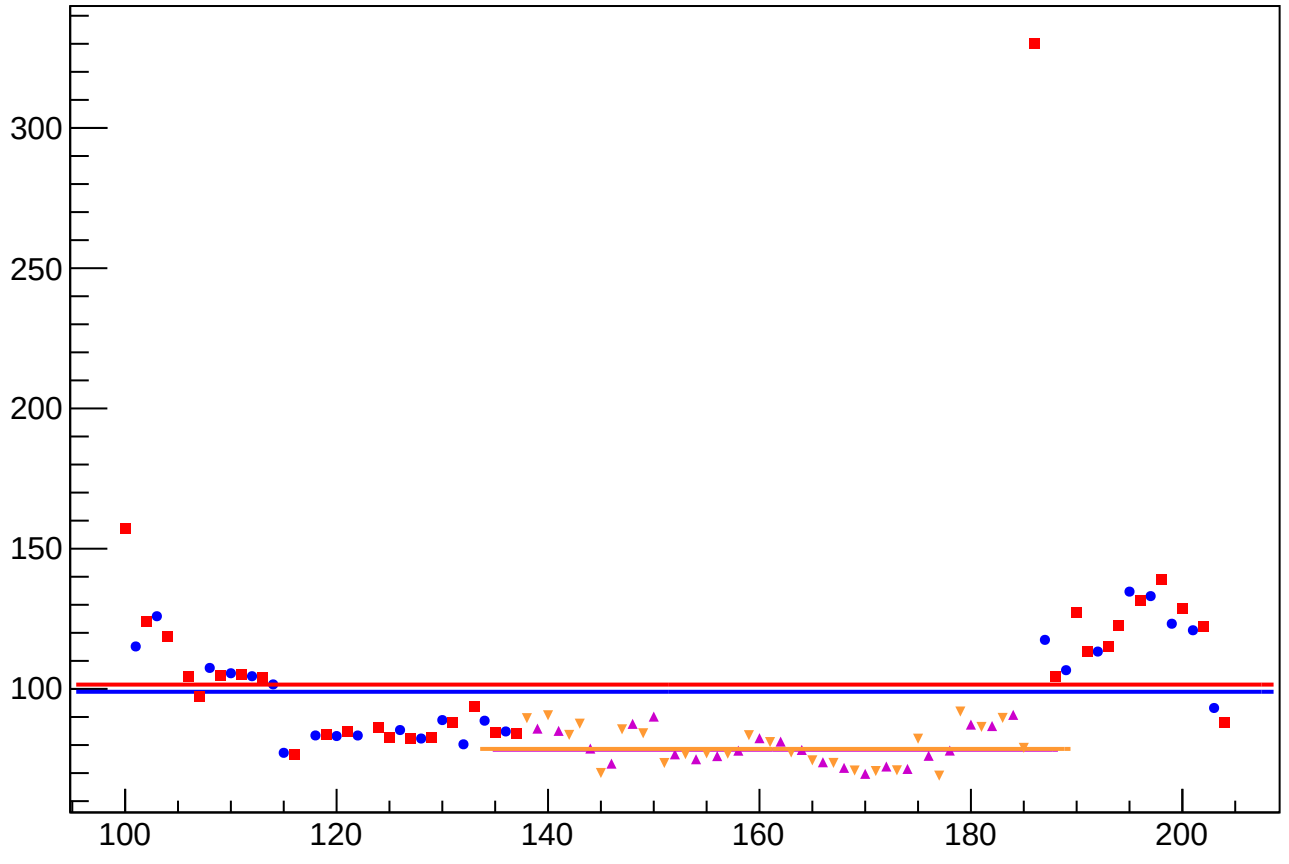
Left: -4.978+/-12.845 χ^2/NDF: 65.3/47

Right: 83.607+/-19.194 χ^2/NDF: 67.2/53

In: 37.858+/-15.326 χ^2/NDF:52.5/46

Out: 7.880+/-14.877 χ^2/NDF:92.7/54

All: 22.423+/-10.675 χ^2/NDF: 147.2/101



Right In: 98.990+/-0.020 χ^2/NDF: 790788.7/23

Left Out: 78.618+/-0.013 χ^2/NDF:307235.6/24

Right Out: 101.550+/-0.019 χ^2/NDF: 1310085.7/29

Left In: 78.334+/-0.013 χ^2/NDF:209146.2/22

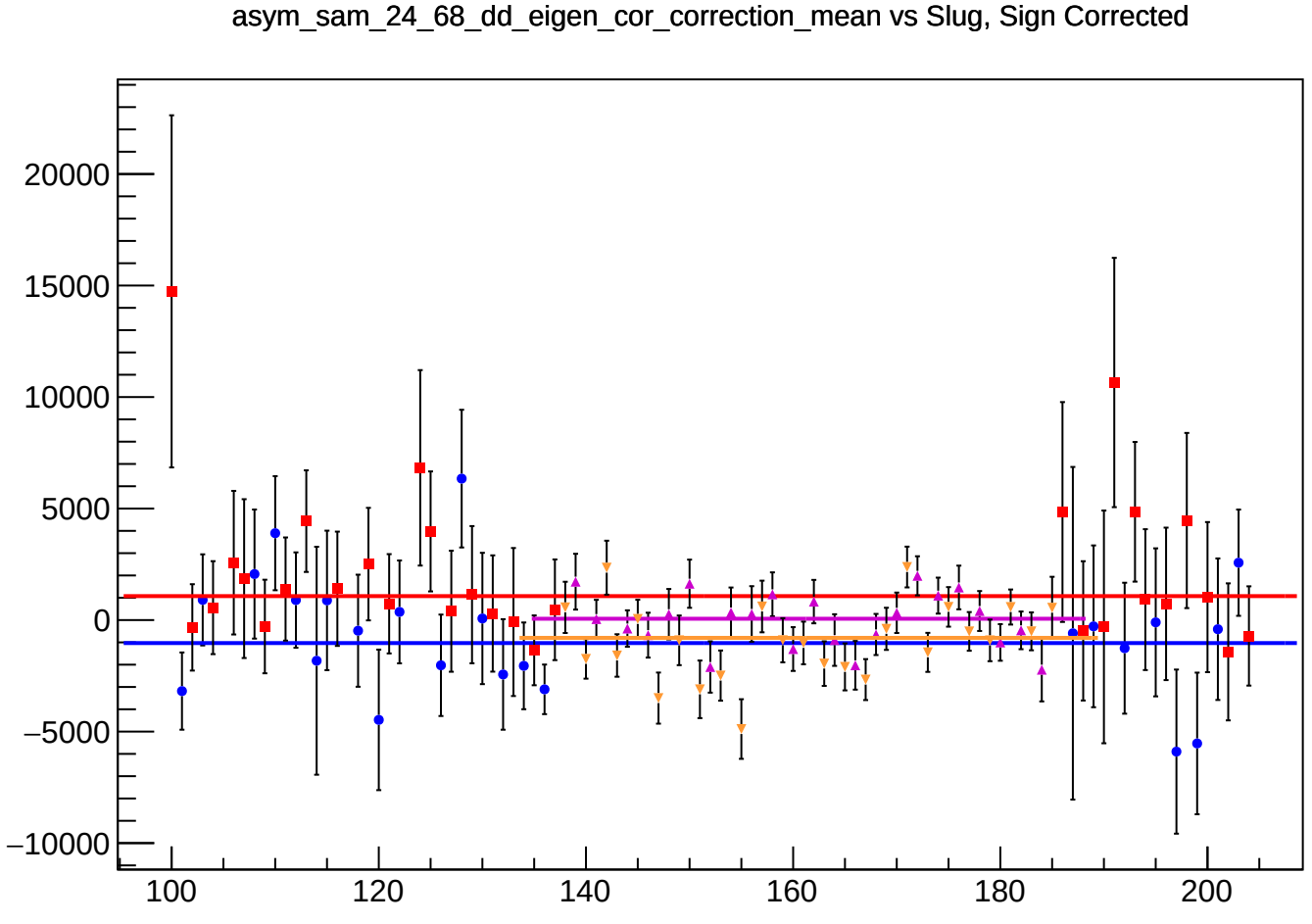
Left: 78.480+/-0.009 χ^2/NDF: 516625.8/47

Right: 100.326+/-0.014 χ^2/NDF: 2109753.8/53

In: 84.630+/-0.011 χ^2/NDF:1769648.7/46

Out: 85.809+/-0.011 χ^2/NDF:2640132.4/54

All: 85.237+/-0.008 χ^2/NDF: 4415878.2/101



Right In: -1031.003+/-496.740 χ^2/NDF: 26.5/23

Left Out: -797.000+/-197.884 χ^2/NDF:59.5/24

Right Out: 1074.270+/-497.419 χ^2/NDF: 19.8/29

Left In: 59.494+/-204.437 χ^2/NDF:30.5/22

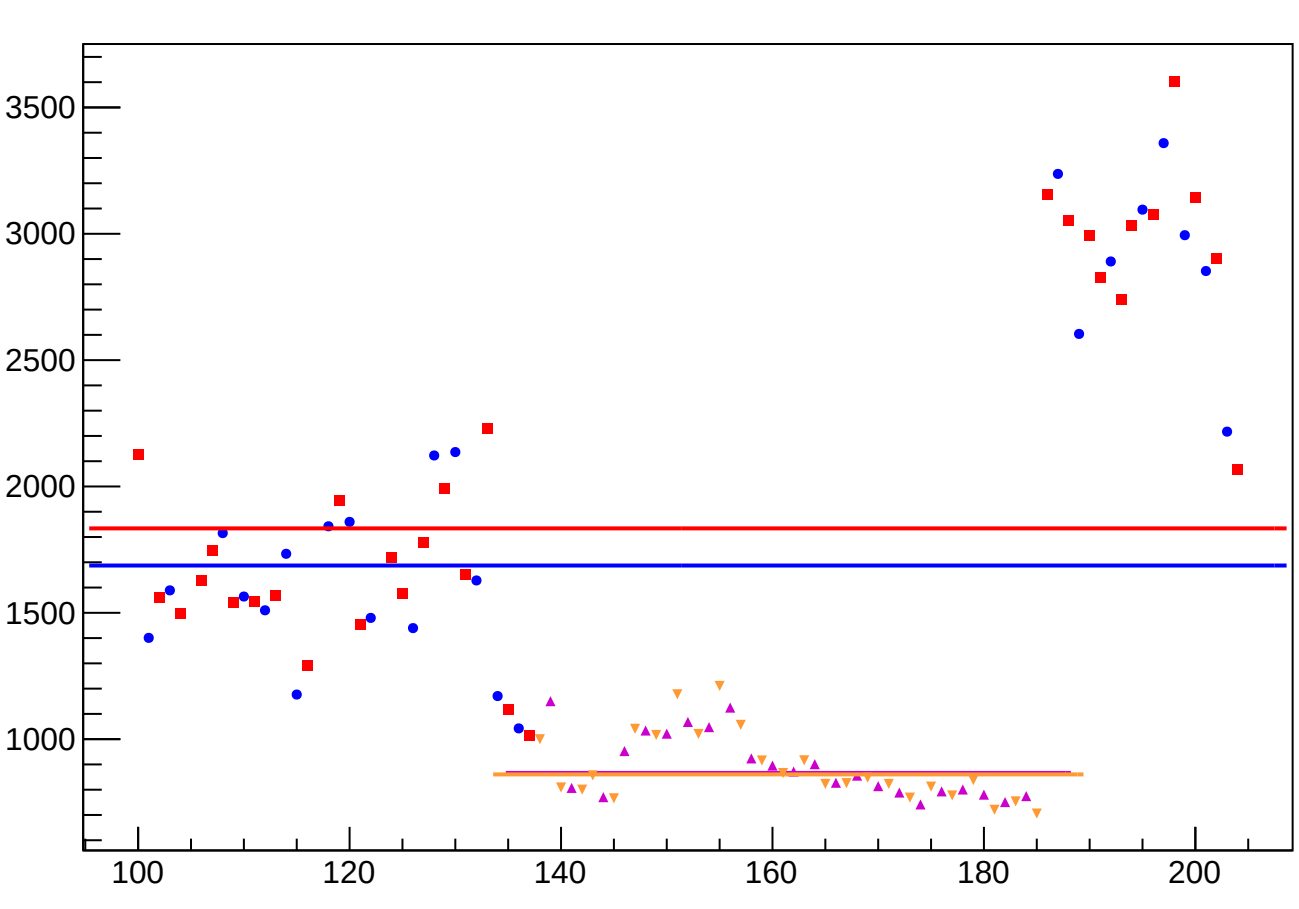
Left: -382.700+/-142.185 χ^2/NDF: 99.0/47

Right: 20.195+/-351.488 χ^2/NDF: 55.3/53

In: -98.460+/-189.052 χ^2/NDF:61.1/46

Out: -541.314+/-183.868 χ^2/NDF:91.5/54

All: -326.042+/-131.809 χ^2/NDF: 155.4/101



Right In: 1687.190+/-0.351 χ^2/NDF: 3121081.6/23

Left Out: 860.492+/-0.140 χ^2/NDF:699250.7/24

Right Out: 1834.151+/-0.352 χ^2/NDF: 3403476.6/29

Left In: 866.352+/-0.145 χ^2/NDF:613256.3/22

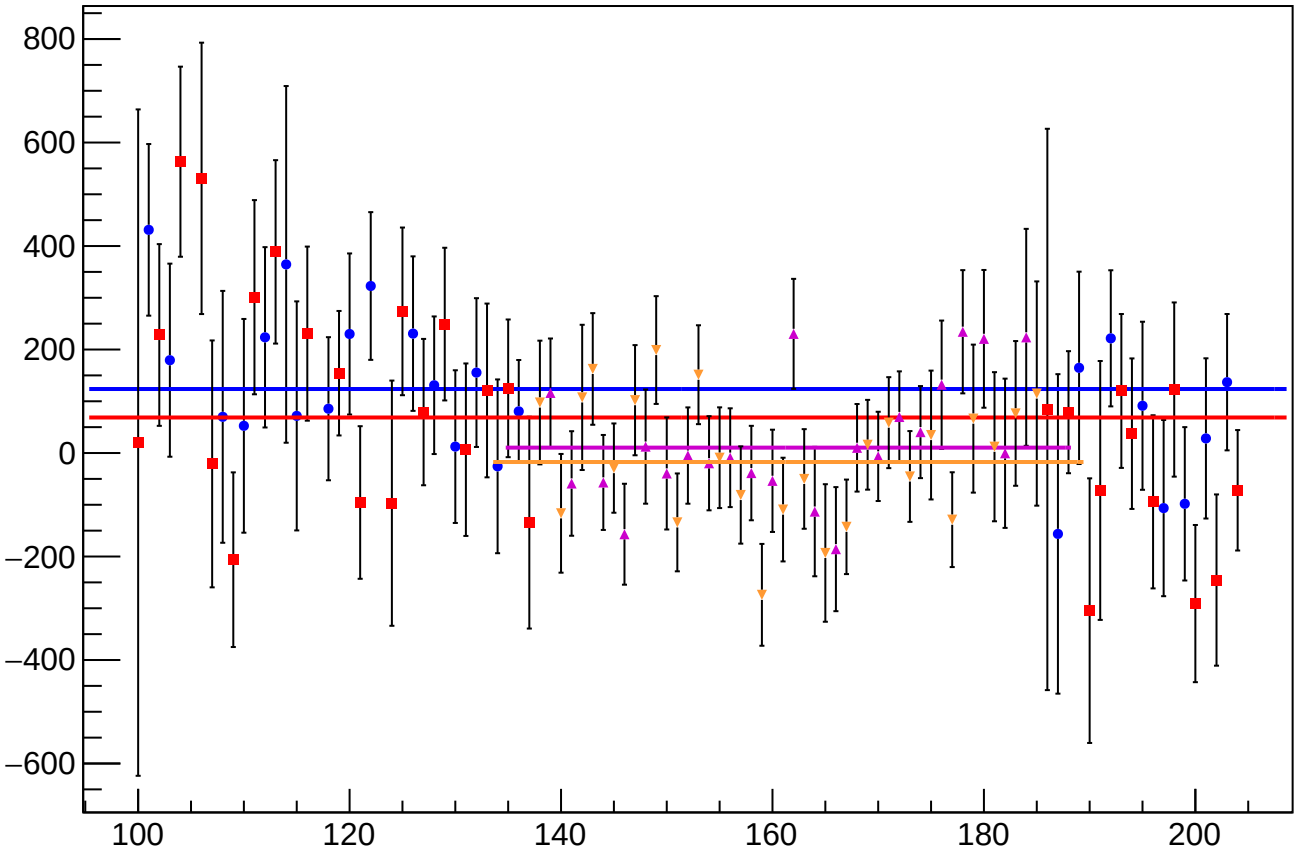
Left: 863.327+/-0.101 χ^2/NDF: 1313355.3/47

Right: 1760.570+/-0.249 χ^2/NDF: 6611965.7/53

In: 985.247+/-0.134 χ^2/NDF:8404505.2/46

Out: 993.530+/-0.130 χ^2/NDF:10718672.0/54

All: 989.504+/-0.093 χ^2/NDF: 19125150.4/10



Right In: 123.709+/-32.322 χ^2/NDF: 15.1/23

Left Out: -17.356+/-20.987 χ^2/NDF:31.2/24

Right Out: 68.667+/-30.572 χ^2/NDF: 40.8/29

Left In: 10.412+/-21.503 χ^2/NDF:22.6/22

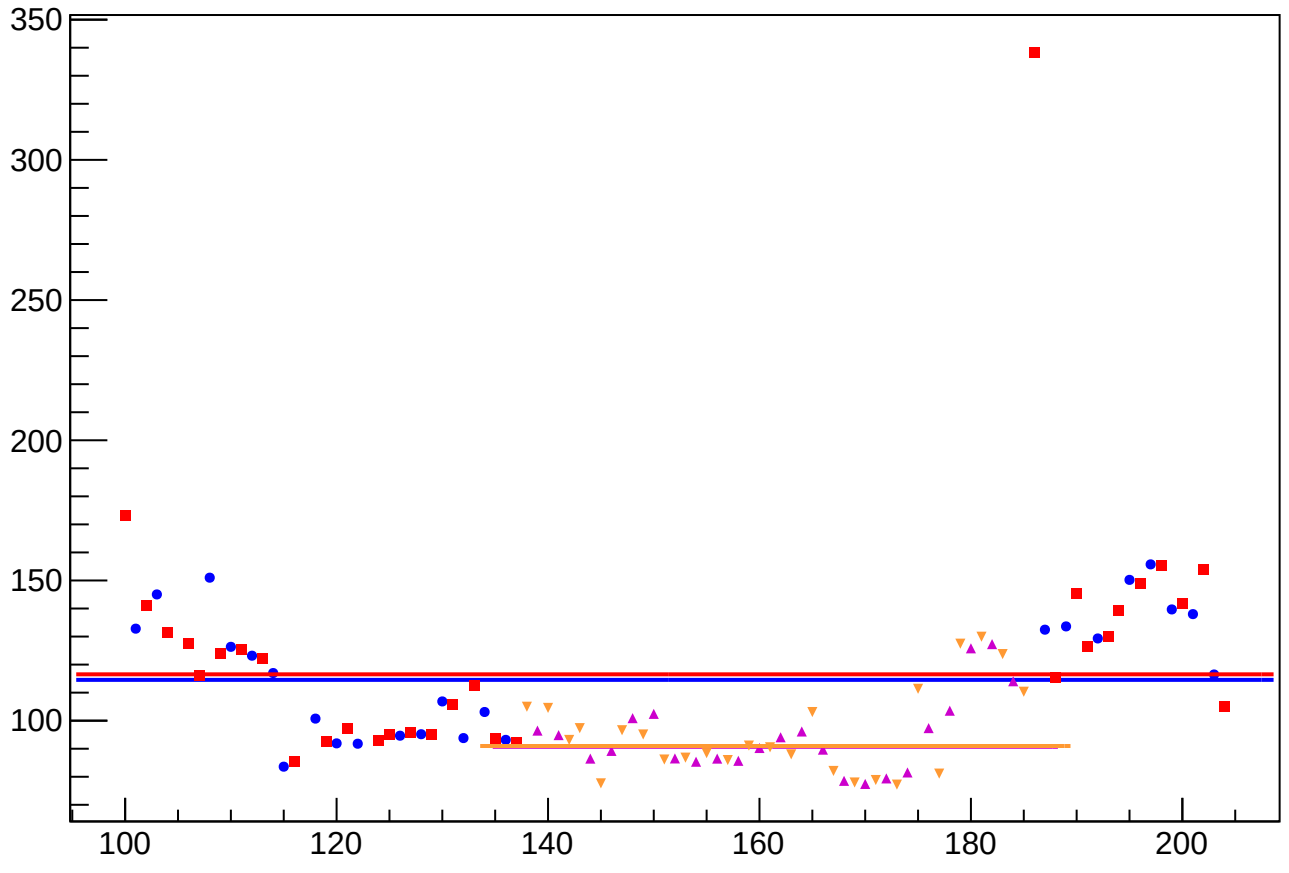
Left: -3.810+/-15.019 χ^2/NDF: 54.7/47

Right: 94.658+/-22.210 χ^2/NDF: 57.4/53

In: 45.173+/-17.903 χ^2/NDF:46.3/46

Out: 10.197+/-17.302 χ^2/NDF:77.4/54

All: 27.088+/-12.442 χ^2/NDF: 125.6/101



Right In: 114.555+/-0.023 χ^2/NDF: 884101.0/23

Left Out: 90.967+/-0.015 χ^2/NDF:784523.6/24

Right Out: 116.529+/-0.022 χ^2/NDF: 1286524.9/29

Left In: 90.690+/-0.015 χ^2/NDF:545969.6/22

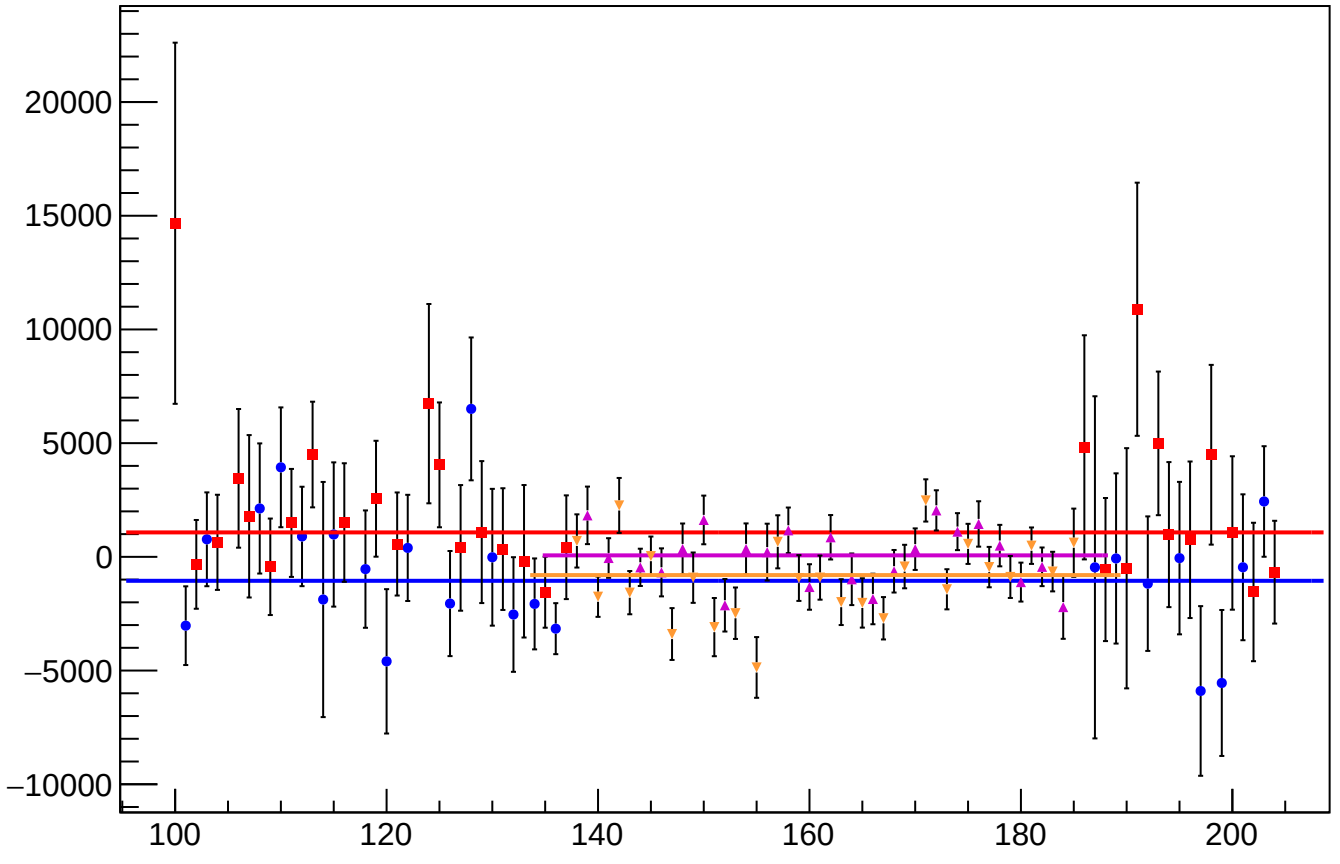
Left: 90.832+/-0.011 χ^2/NDF: 1330663.0/47

Right: 115.597+/-0.016 χ^2/NDF: 2174561.8/53

In: 98.012+/-0.013 χ^2/NDF:2185891.6/46

Out: 99.154+/-0.012 χ^2/NDF:3021401.1/54

All: 98.603+/-0.009 χ^2/NDF: 5211501.8/101



Right In: -1053.409+/-503.572 χ^2/NDF: 25.9/23

Left Out: -802.532+/-199.851 χ^2/NDF:58.3/24

Right Out: 1074.805+/-501.728 χ^2/NDF: 21.0/29

Left In: 65.218+/-206.677 χ^2/NDF:30.7/22

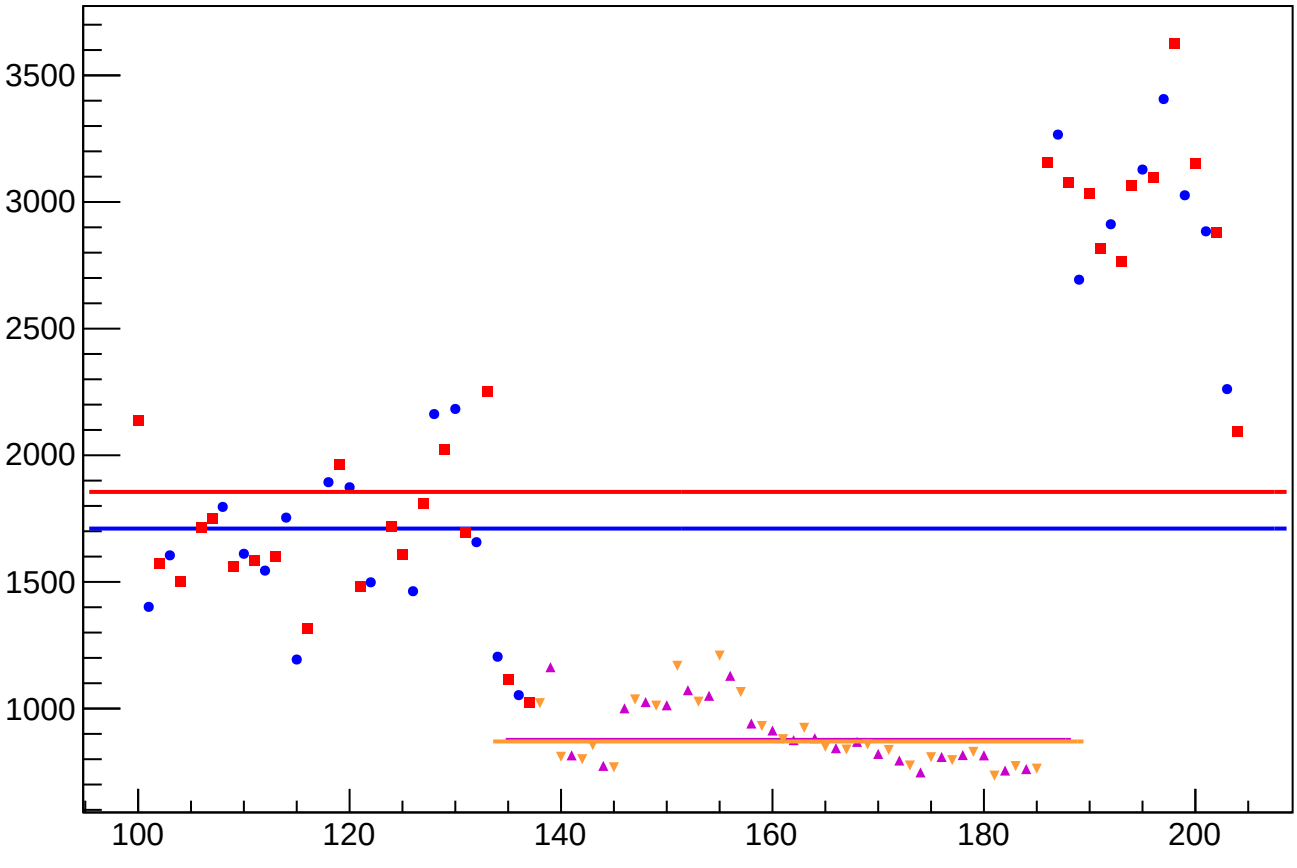
Left: -383.224+/-143.669 χ^2/NDF: 98.1/47

Right: 14.601+/-355.425 χ^2/NDF: 55.9/53

In: -96.046+/-191.200 χ^2/NDF:60.9/46

Out: -545.456+/-185.664 χ^2/NDF:91.4/54

All: -327.352+/-133.198 χ^2/NDF: 155.1/101



Right In: 1710.651+/-0.356 χ^2/NDF: 3131601.5/23

Left Out: 870.009+/-0.141 χ^2/NDF:647274.1/24

Right Out: 1855.382+/-0.355 χ^2/NDF: 3372222.3/29

Left In: 876.273+/-0.146 χ^2/NDF:597200.7/22

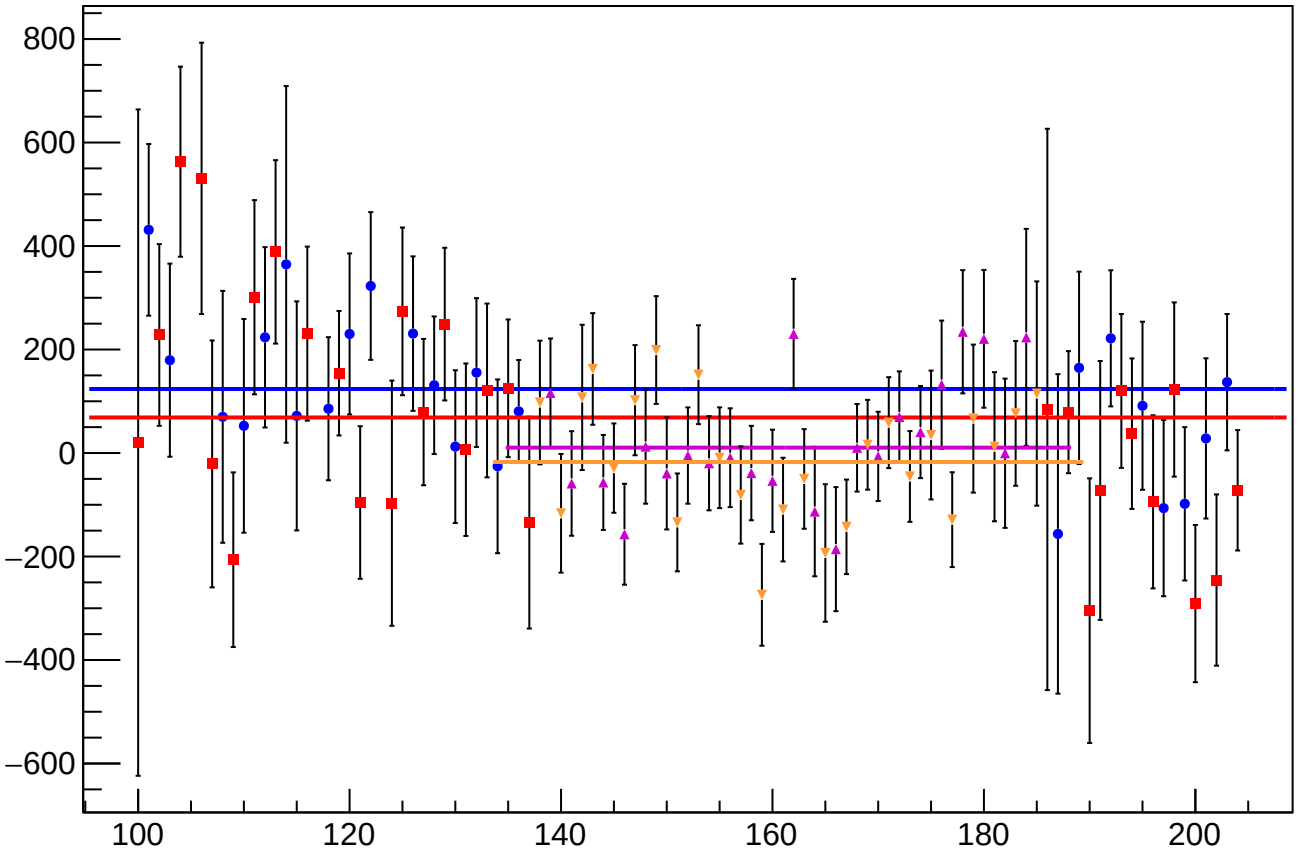
Left: 873.036+/-0.102 χ^2/NDF: 1245424.4/47

Right: 1783.282+/-0.251 χ^2/NDF: 6586730.8/53

In: 996.559+/-0.135 χ^2/NDF:8428003.8/46

Out: 1004.942+/-0.131 χ^2/NDF:10677405.4/54

All: 1000.874+/-0.094 χ^2/NDF: 19107387.7/1



Right In: 123.711+/-32.321 χ^2/NDF: 15.1/23

Left Out: -17.356+/-20.987 χ^2/NDF:31.2/24

Right Out: 68.667+/-30.572 χ^2/NDF: 40.8/29

Left In: 10.412+/-21.503 χ^2/NDF:22.6/22

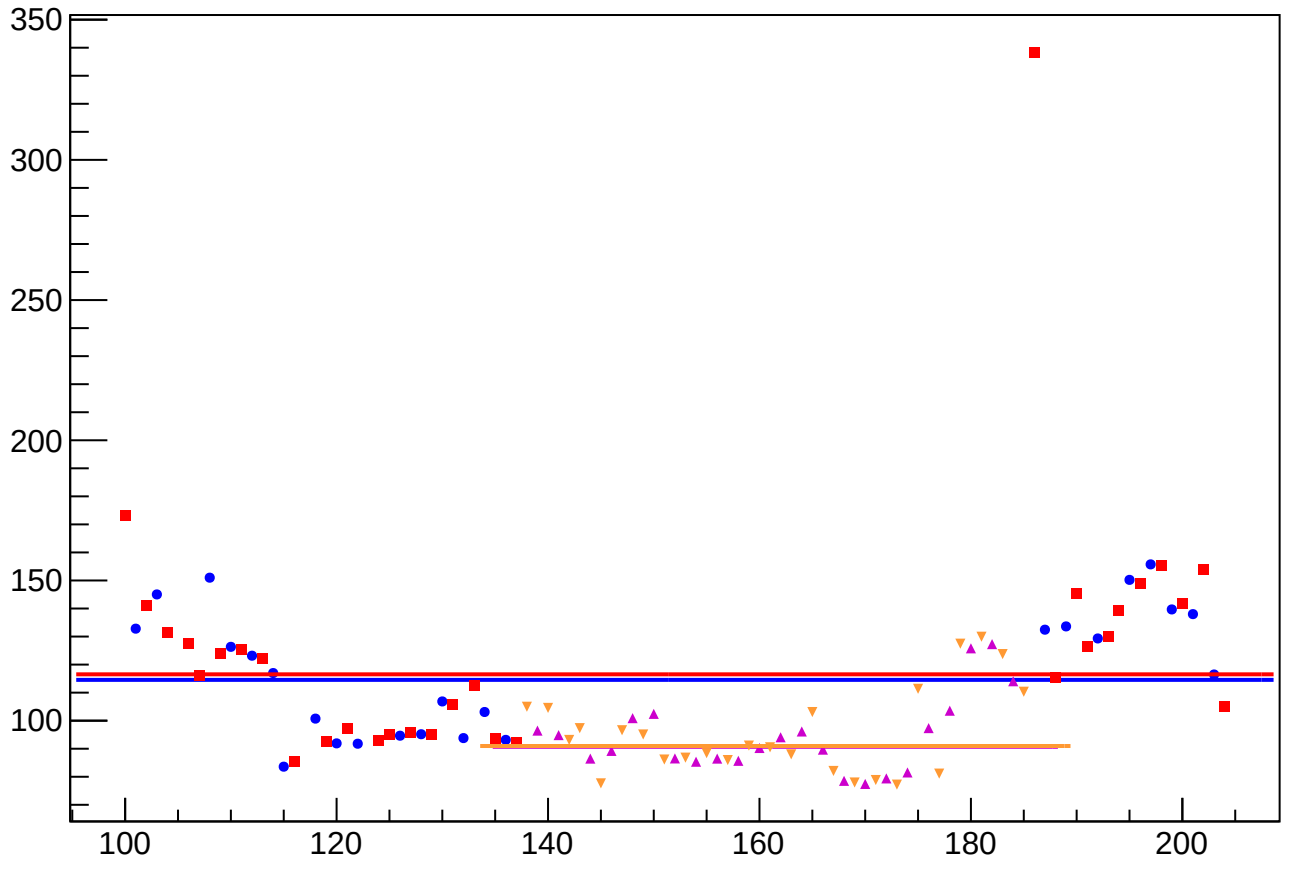
Left: -3.810+/-15.019 χ^2/NDF: 54.7/47

Right: 94.659+/-22.210 χ^2/NDF: 57.4/53

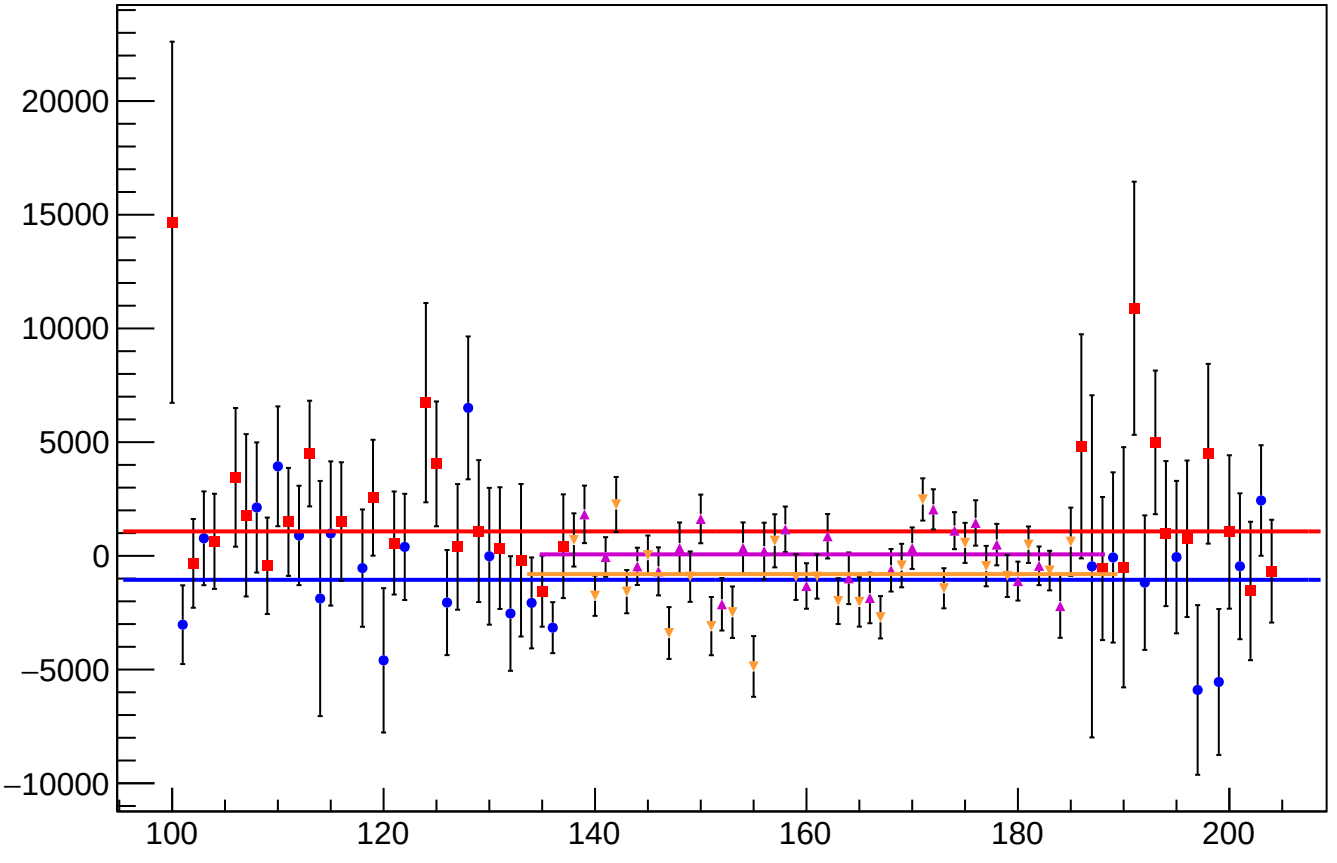
In: 45.174+/-17.903 χ^2/NDF:46.3/46

Out: 10.197+/-17.302 χ^2/NDF:77.4/54

All: 27.089+/-12.442 χ^2/NDF: 125.6/101


eigen_dit_asym_sam_24_68_dd_rms vs Slug, Sign Corrected
350
300
250
200
150
100
100
120
140
160
180
200
Right In: 114.554+/-0.023 χ²/NDF: 884125.1/23
Left Out: 90.967+/-0.015 χ²/NDF:784529.9/24
Right Out: 116.528+/-0.022 χ²/NDF: 1286549.2/29
Left In: 90.690+/-0.015 χ²/NDF:545960.7/22
Left: 90.832+/-0.011 χ²/NDF: 1330660.5/47
Right: 115.596+/-0.016 χ²/NDF: 2174611.5/53
In: 98.012+/-0.013 χ²/NDF:2185861.0/46
Out: 99.154+/-0.012 χ²/NDF:3021388.5/54
All: 98.603+/-0.009 χ²/NDF: 5211459.8/101

asym_sam_24_68_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -1053.405+/-503.571 χ^2/NDF: 25.9/23

Left Out: -802.531+/-199.851 χ^2/NDF:58.3/24

Right Out: 1074.805+/-501.727 χ^2/NDF: 21.0/29

Left In: 65.218+/-206.677 χ^2/NDF:30.7/22

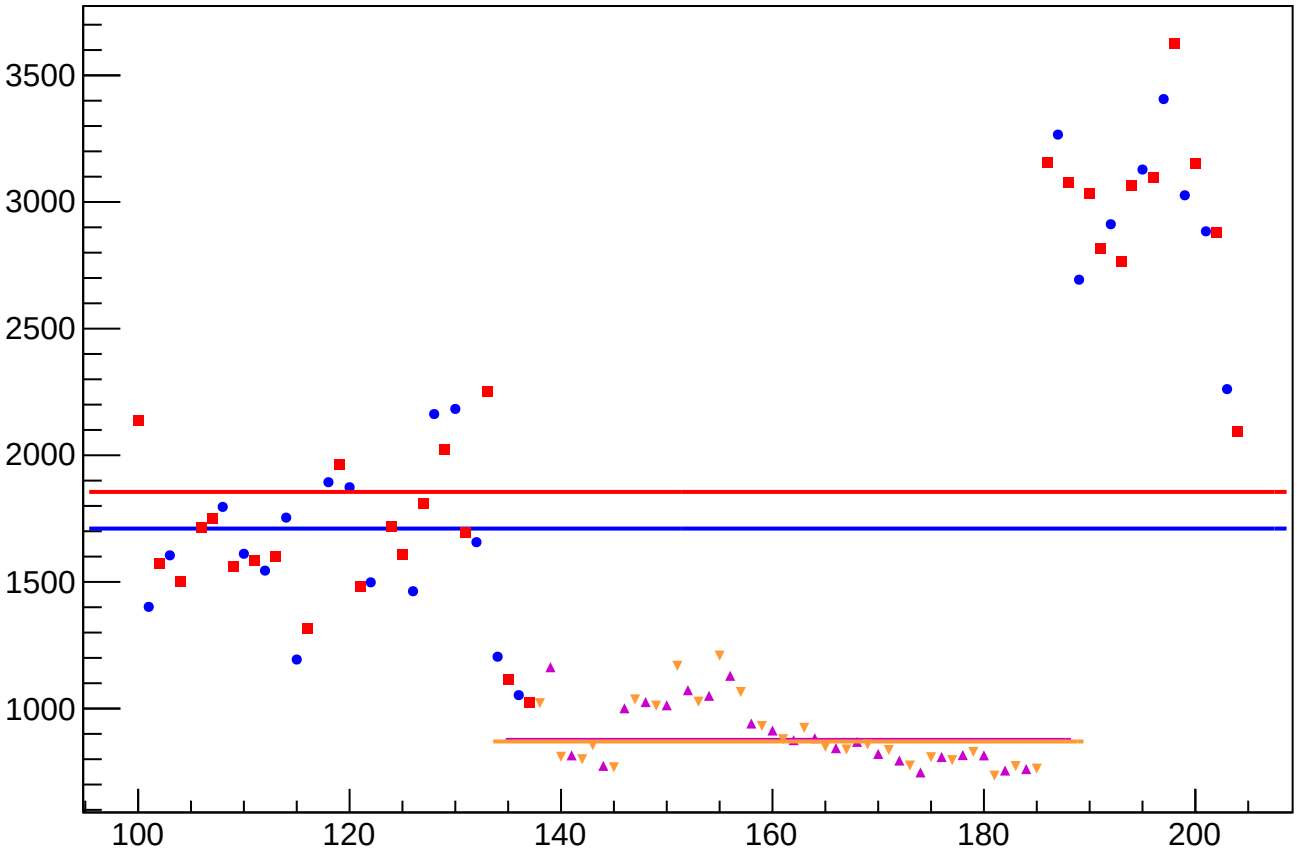
Left: -383.224+/-143.669 χ^2/NDF: 98.1/47

Right: 14.603+/-355.425 χ^2/NDF: 55.9/53

In: -96.046+/-191.200 χ^2/NDF:60.9/46

Out: -545.456+/-185.664 χ^2/NDF:91.4/54

All: -327.351+/-133.198 χ^2/NDF: 155.1/101



Right In: 1710.648+/-0.356 χ^2/NDF: 3131605.2/23

Left Out: 870.008+/-0.141 χ^2/NDF:647275.9/24

Right Out: 1855.379+/-0.355 χ^2/NDF: 3372232.2/29

Left In: 876.272+/-0.146 χ^2/NDF:597200.9/22

Left: 873.035+/-0.102 χ^2/NDF: 1245426.3/47

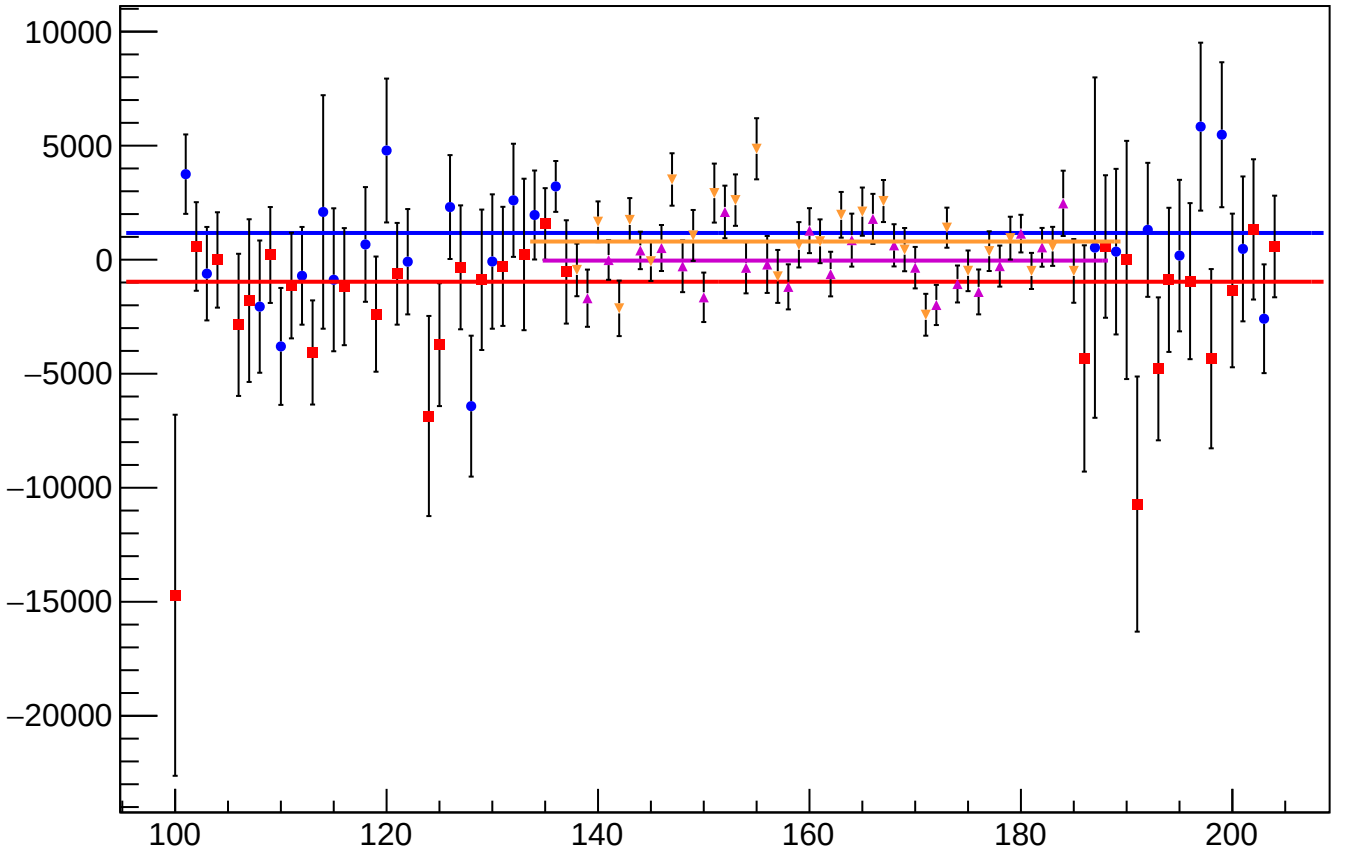
Right: 1783.279+/-0.251 χ^2/NDF: 6586744.2/53

In: 996.558+/-0.135 χ^2/NDF:8427998.6/46

Out: 1004.941+/-0.131 χ^2/NDF:10677402.3/54

All: 1000.873+/-0.094 χ^2/NDF: 19107379.5/1

asym_sam_24_68_dd_mean vs Slug, Sign Corrected



Right In: 1171.735+/-497.942 χ^2/NDF: 27.3/23

Left Out: 796.287+/-198.802 χ^2/NDF:57.2/24

Right Out: -967.012+/-497.963 χ^2/NDF: 19.6/29

Left In: -39.746+/-205.349 χ^2/NDF:29.7/22

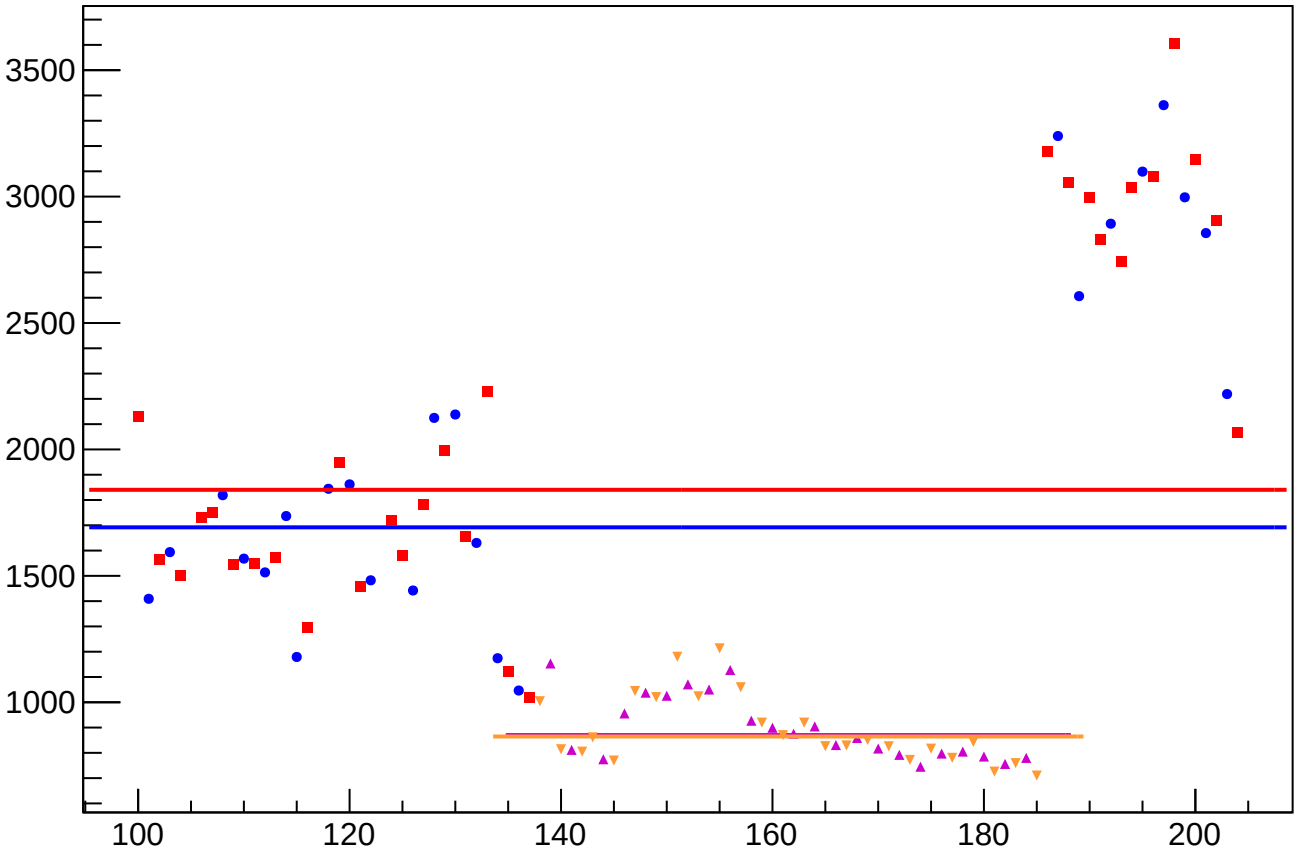
Left: 391.811+/-142.833 χ^2/NDF: 95.5/47

Right: 102.407+/-352.105 χ^2/NDF: 56.1/53

In: 136.344+/-189.840 χ^2/NDF:62.1/46

Out: 553.879+/-184.632 χ^2/NDF:87.6/54

All: 350.917+/-132.357 χ^2/NDF: 152.1/101



Right In: 1691.913+/-0.352 χ^2/NDF: 3104738.9/23

Left Out: 864.637+/-0.141 χ^2/NDF:688948.2/24

Right Out: 1840.328+/-0.352 χ^2/NDF: 3386339.5/29

Left In: 870.346+/-0.145 χ^2/NDF:604520.6/22

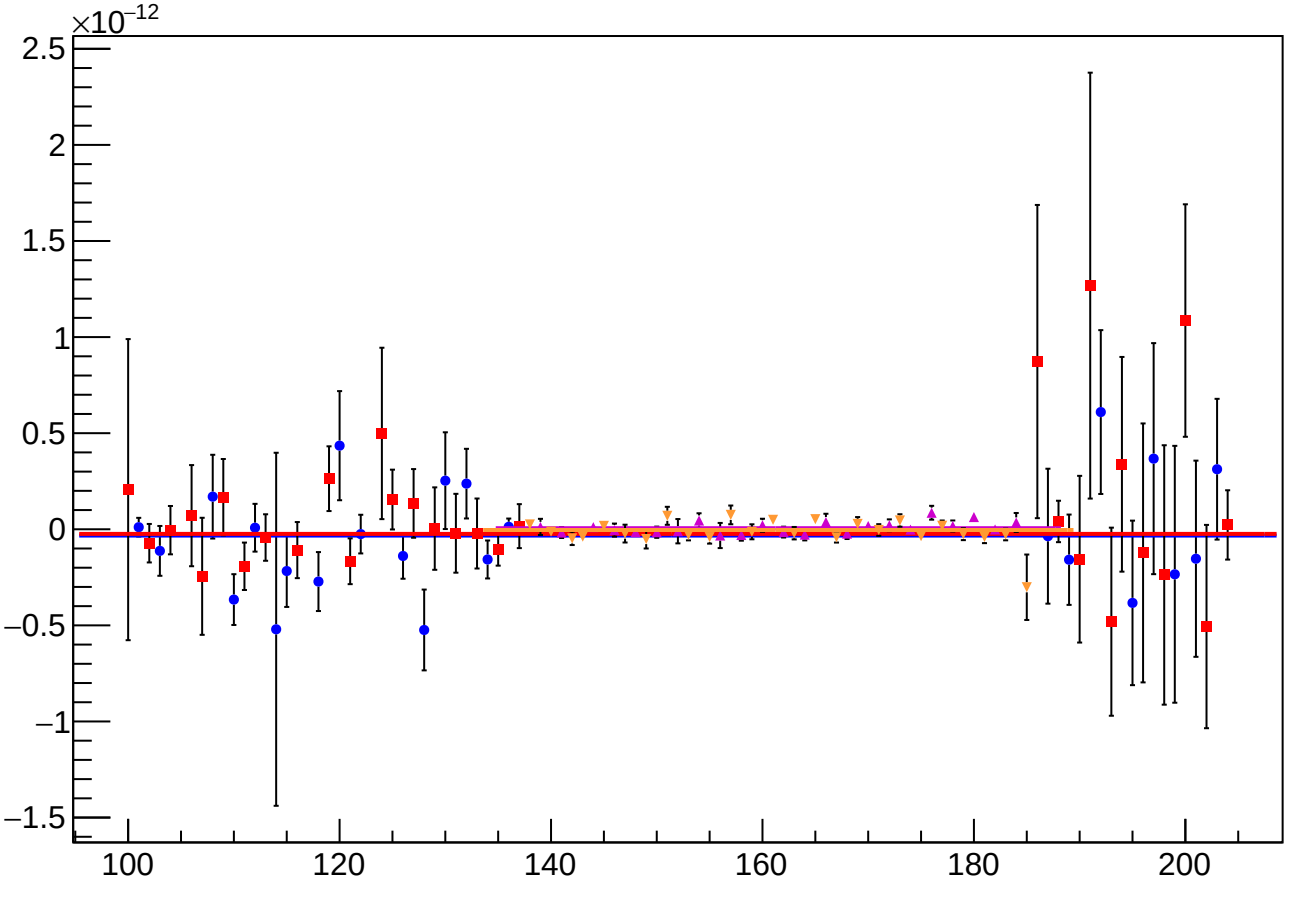
Left: 867.399+/-0.101 χ^2/NDF: 1294266.9/47

Right: 1766.117+/-0.249 χ^2/NDF: 6579911.6/53

In: 989.762+/-0.134 χ^2/NDF:8362409.3/46

Out: 998.769+/-0.131 χ^2/NDF:10697955.8/54

All: 994.390+/-0.094 χ^2/NDF: 19062678.8/10



Right In: -0.000+/-0.000 χ^2/NDF: 32.1/23

Left Out: -0.000+/-0.000 χ^2/NDF:38.7/24

Right Out: -0.000+/-0.000 χ^2/NDF: 21.8/29

Left In: 0.000+/-0.000 χ^2/NDF:20.6/22

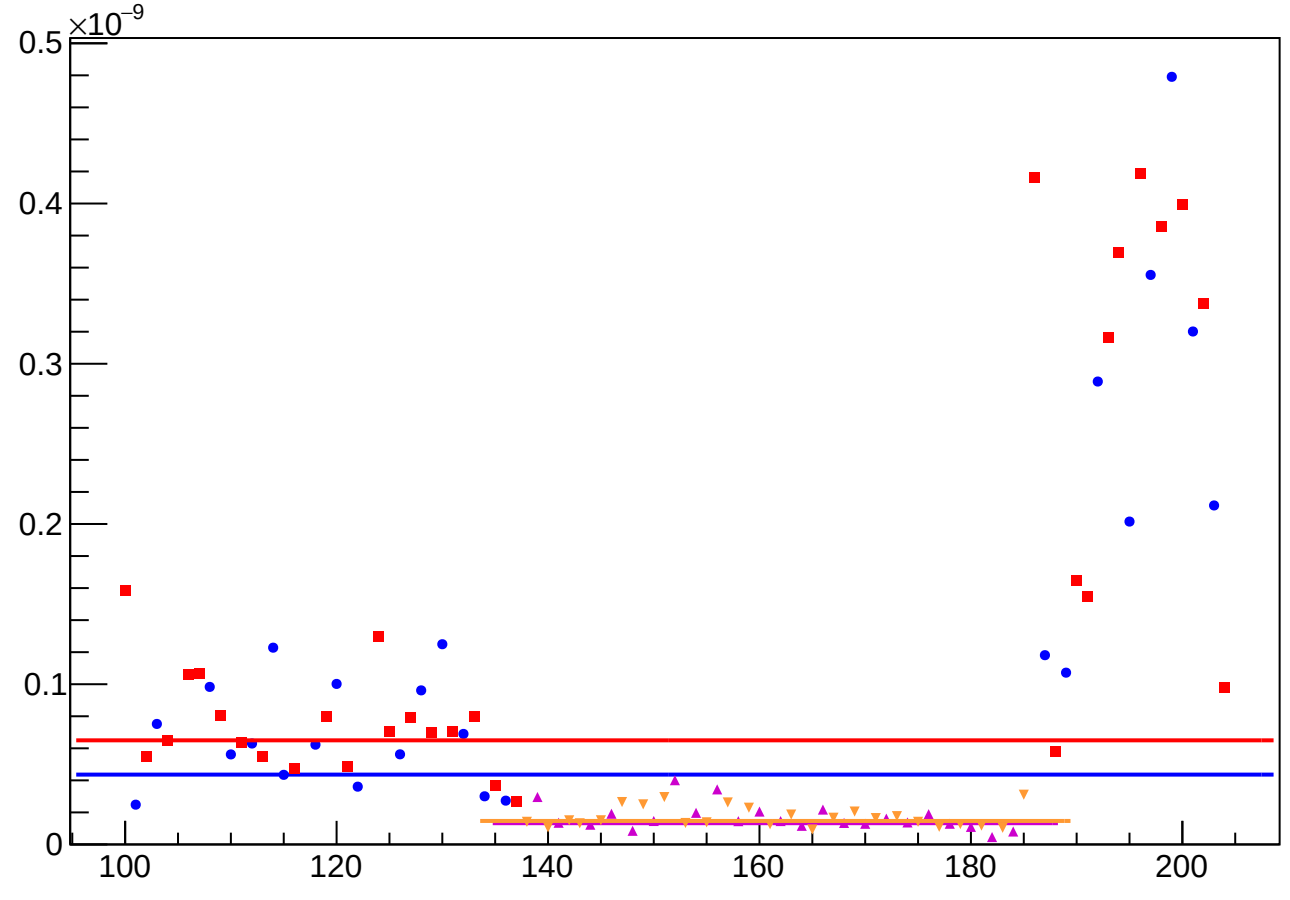
Left: 0.000+/-0.000 χ^2/NDF: 60.6/47

Right: -0.000+/-0.000 χ^2/NDF: 53.9/53

In: 0.000+/-0.000 χ^2/NDF:55.0/46

Out: -0.000+/-0.000 χ^2/NDF:60.9/54

All: -0.000+/-0.000 χ^2/NDF: 116.9/101



Right In: 0.000+/-0.000 χ^2/NDF: 5032085.8/23

Left Out: 0.000+/-0.000 χ^2/NDF:1073691.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4604813.4/29

Left In: 0.000+/-0.000 χ^2/NDF:1970835.1/22

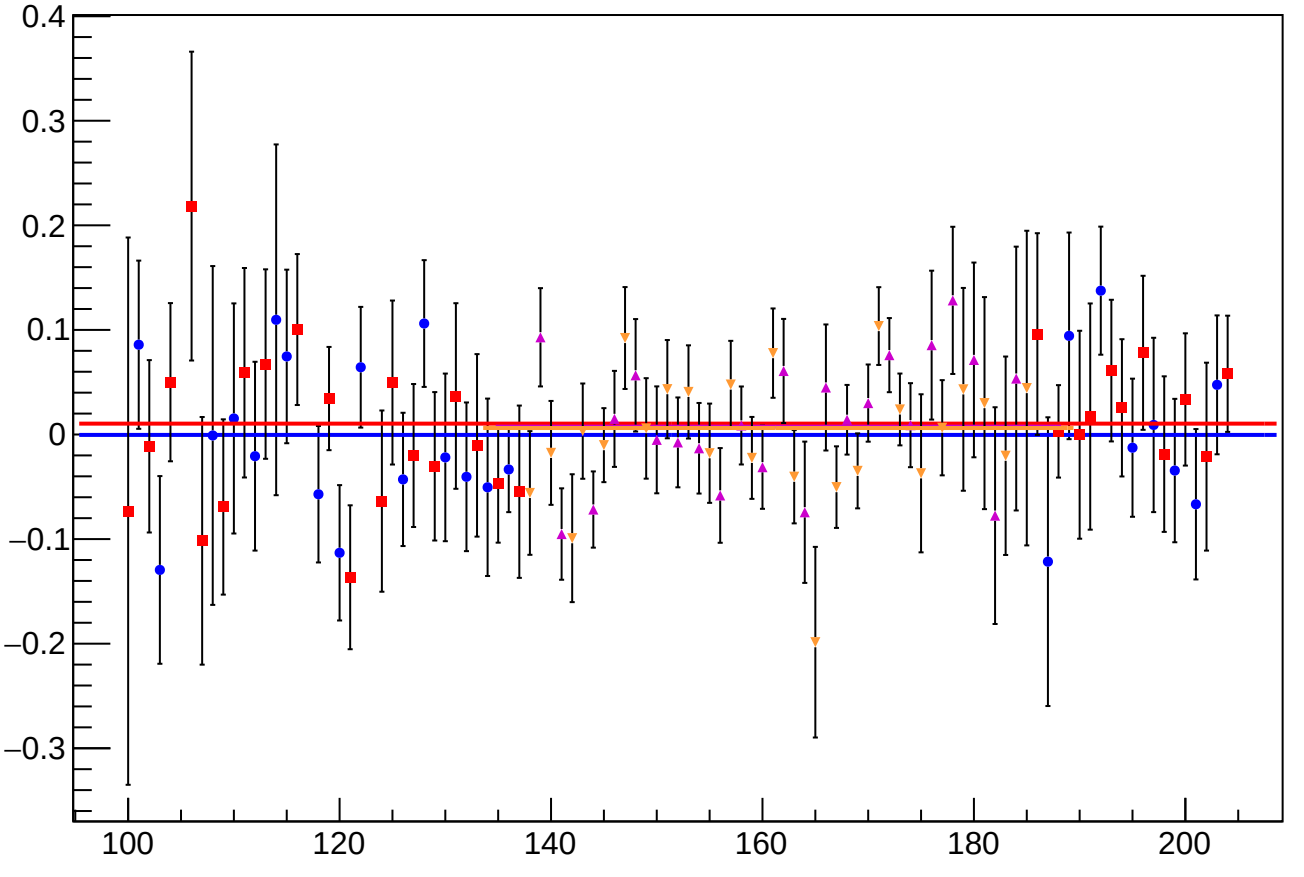
Left: 0.000+/-0.000 χ^2/NDF: 3099270.2/47

Right: 0.000+/-0.000 χ^2/NDF: 10212468.3/53

In: 0.000+/-0.000 χ^2/NDF:9862957.8/46

Out: 0.000+/-0.000 χ^2/NDF:10652023.5/54

All: 0.000+/-0.000 χ^2/NDF: 20578526.3/101



Right In: -0.000+/-0.015 χ^2/NDF: 22.9/23

Left Out: 0.006+/-0.010 χ^2/NDF:30.8/24

Right Out: 0.010+/-0.014 χ^2/NDF: 17.9/29

Left In: 0.007+/-0.010 χ^2/NDF:30.4/22

Left: 0.007+/-0.007 χ^2/NDF: 61.3/47

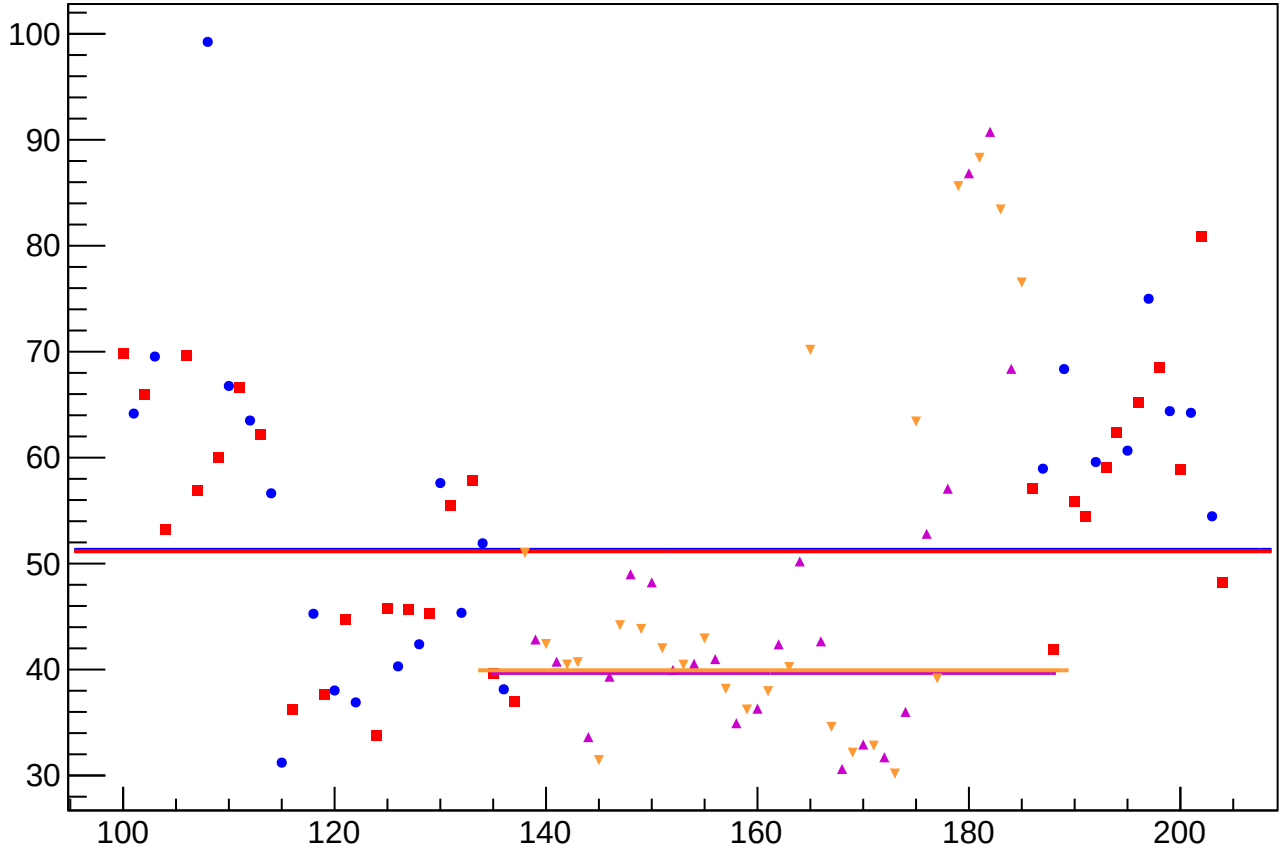
Right: 0.005+/-0.010 χ^2/NDF: 41.2/53

In: 0.005+/-0.008 χ^2/NDF:53.6/46

Out: 0.008+/-0.008 χ^2/NDF:48.8/54

All: 0.006+/-0.006 χ^2/NDF: 102.4/101

asym_sam_24_68_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 51.298+/-0.011 χ^2/NDF: 1514162.3/23

Left Out: 39.930+/-0.007 χ^2/NDF:2475485.4/24

Right Out: 51.165+/-0.010 χ^2/NDF: 1361174.8/29

Left In: 39.686+/-0.007 χ^2/NDF:1915871.4/22

Left: 39.811+/-0.005 χ^2/NDF: 4391996.2/47

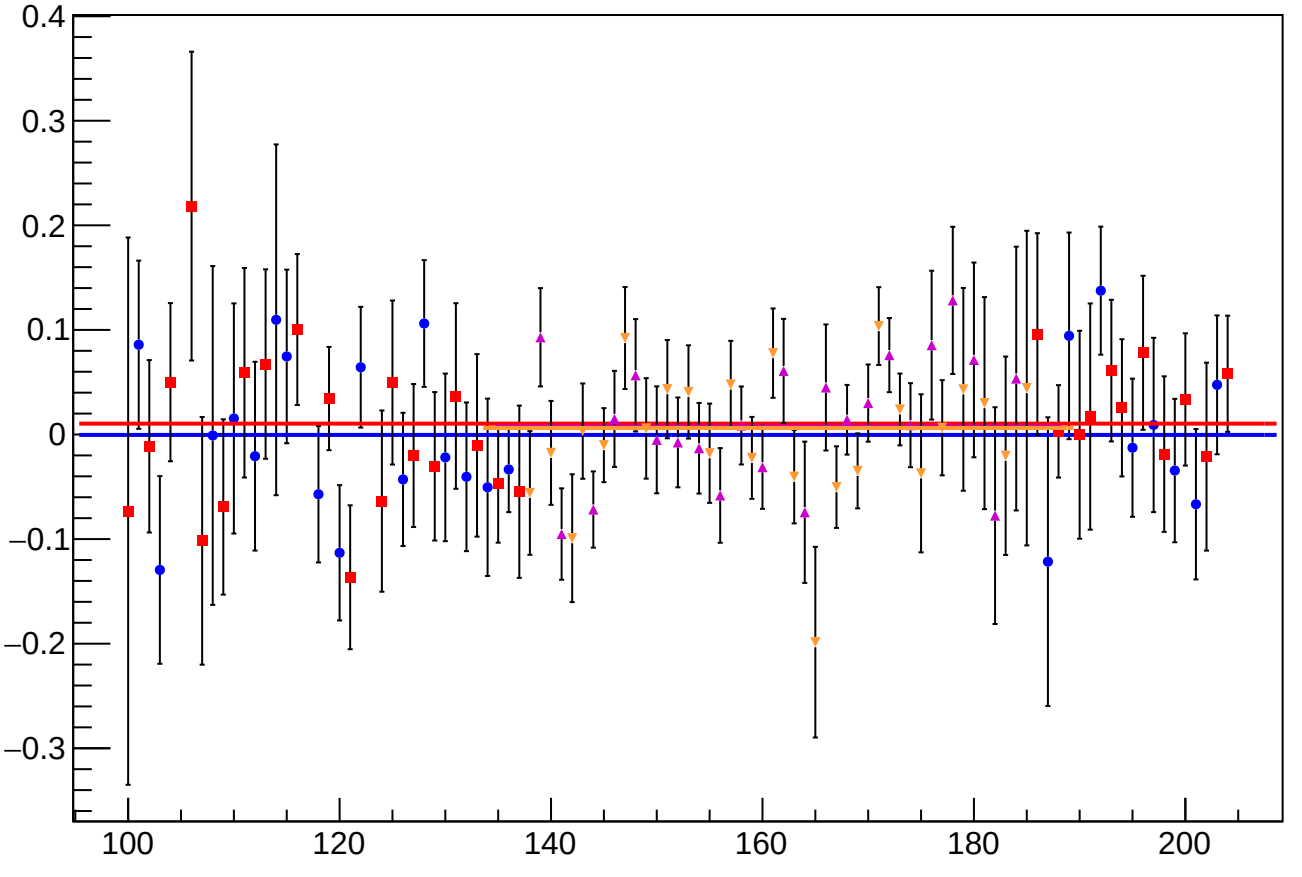
Right: 51.225+/-0.007 χ^2/NDF: 2875424.1/53

In: 43.186+/-0.006 χ^2/NDF:4280918.4/46

Out: 43.637+/-0.006 χ^2/NDF:4745702.9/54

All: 43.421+/-0.004 χ^2/NDF: 9029787.3/101

asym_sam_24_68_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.015 χ^2/NDF: 22.9/23

Left Out: 0.006+/-0.010 χ^2/NDF:30.8/24

Right Out: 0.010+/-0.014 χ^2/NDF: 17.9/29

Left In: 0.007+/-0.010 χ^2/NDF:30.4/22

Left: 0.007+/-0.007 χ^2/NDF: 61.3/47

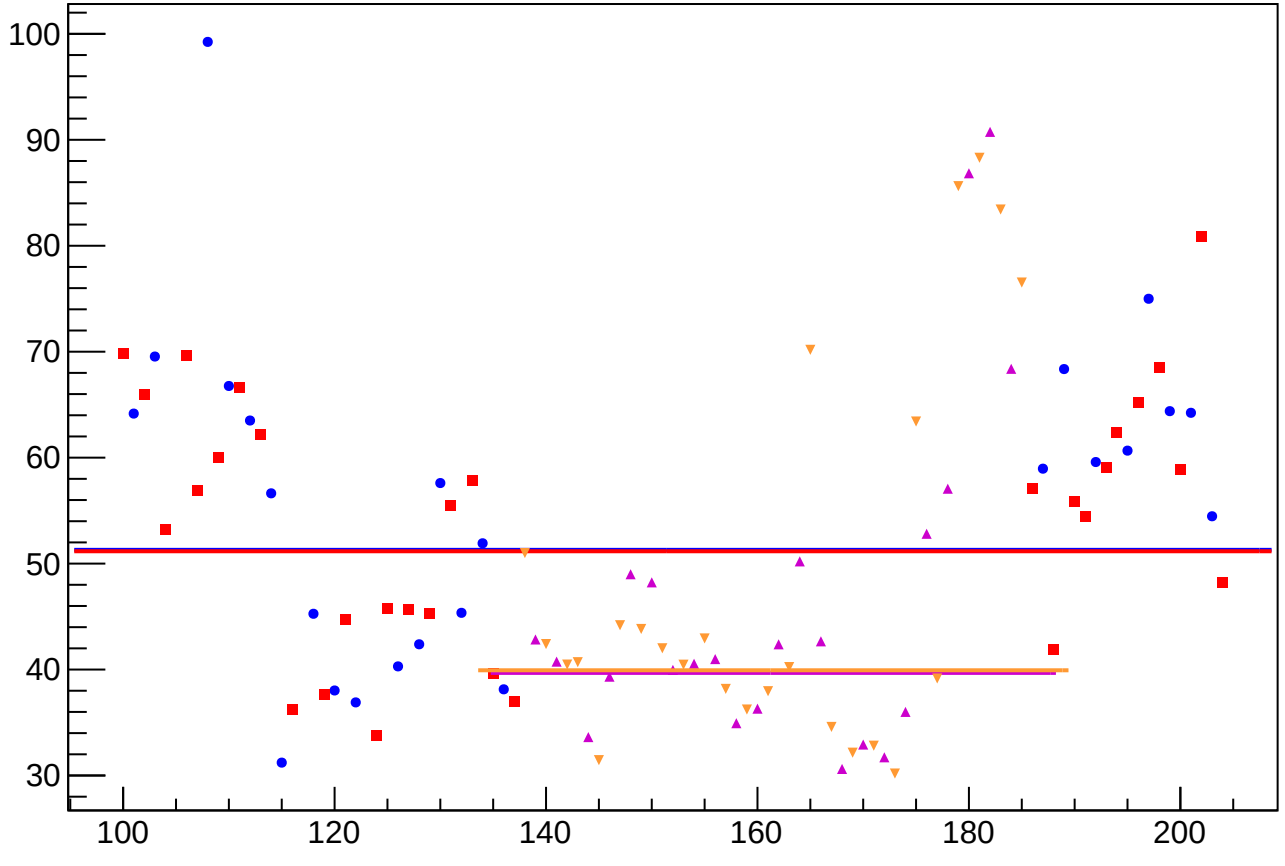
Right: 0.005+/-0.010 χ^2/NDF: 41.2/53

In: 0.005+/-0.008 χ^2/NDF:53.6/46

Out: 0.008+/-0.008 χ^2/NDF:48.8/54

All: 0.006+/-0.006 χ^2/NDF: 102.4/101

asym_sam_24_68_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 51.298+/-0.011 χ^2/NDF: 1514162.3/23

Left Out: 39.930+/-0.007 χ^2/NDF:2475485.4/24

Right Out: 51.165+/-0.010 χ^2/NDF: 1361174.8/29

Left In: 39.686+/-0.007 χ^2/NDF:1915871.4/22

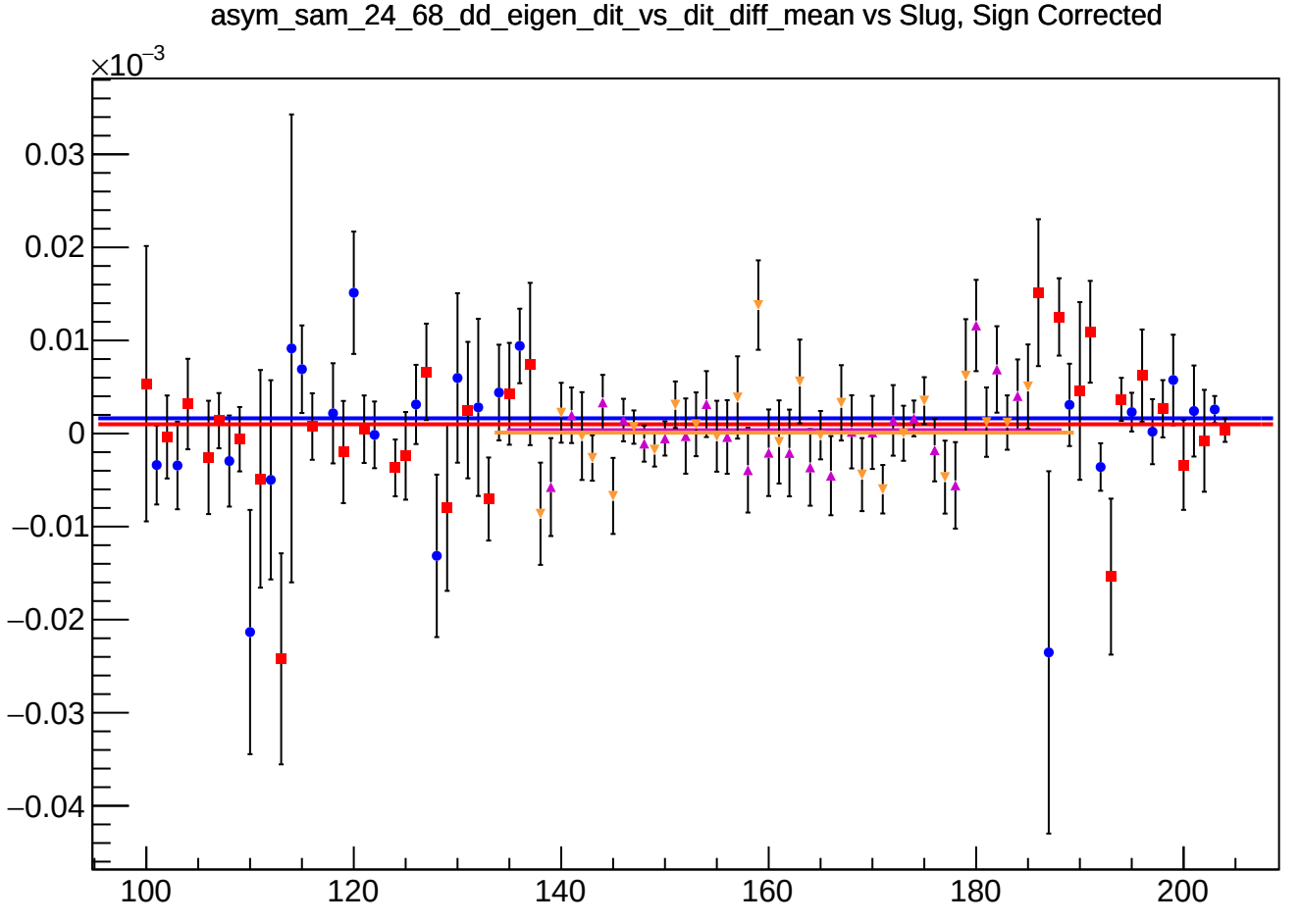
Left: 39.811+/-0.005 χ^2/NDF: 4391996.2/47

Right: 51.225+/-0.007 χ^2/NDF: 2875424.1/53

In: 43.186+/-0.006 χ^2/NDF:4280918.4/46

Out: 43.637+/-0.006 χ^2/NDF:4745702.9/54

All: 43.421+/-0.004 χ^2/NDF: 9029787.3/101



Right In: 0.000+/-0.000 χ^2/NDF: 27.4/23

Left Out: 0.000+/-0.000 χ^2/NDF:33.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 37.8/29

Left In: 0.000+/-0.000 χ^2/NDF:18.7/22

Left: 0.000+/-0.000 χ^2/NDF: 52.0/47

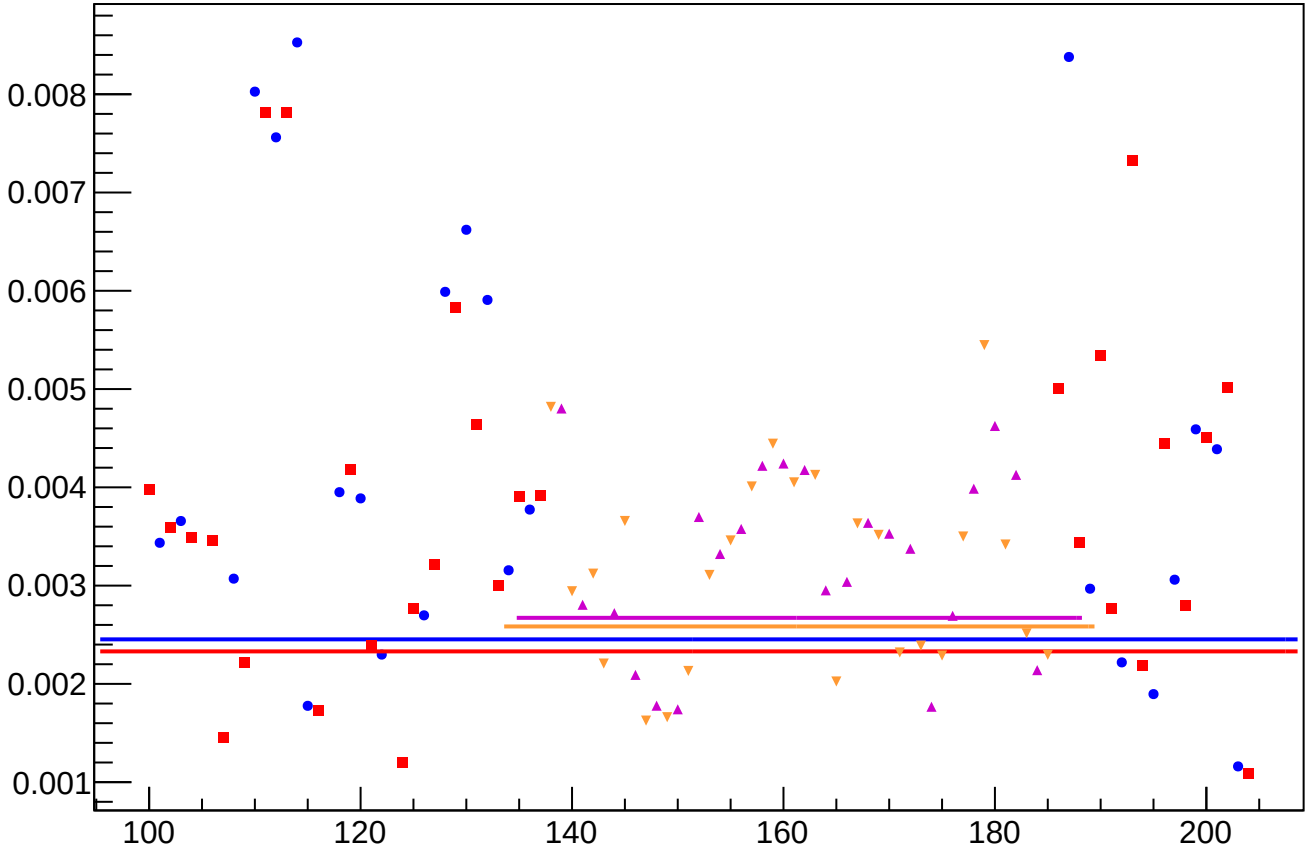
Right: 0.000+/-0.000 χ^2/NDF: 65.6/53

In: 0.000+/-0.000 χ^2/NDF:47.7/46

Out: 0.000+/-0.000 χ^2/NDF:71.9/54

All: 0.000+/-0.000 χ^2/NDF: 119.9/101

asym_sam_24_68_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 5503250.6/23

Left Out: 0.003+/-0.000 χ^2/NDF:3892707.7/24

Right Out: 0.002+/-0.000 χ^2/NDF: 7425787.2/29

Left In: 0.003+/-0.000 χ^2/NDF:3825662.0/22

Left: 0.003+/-0.000 χ^2/NDF: 7736624.4/47

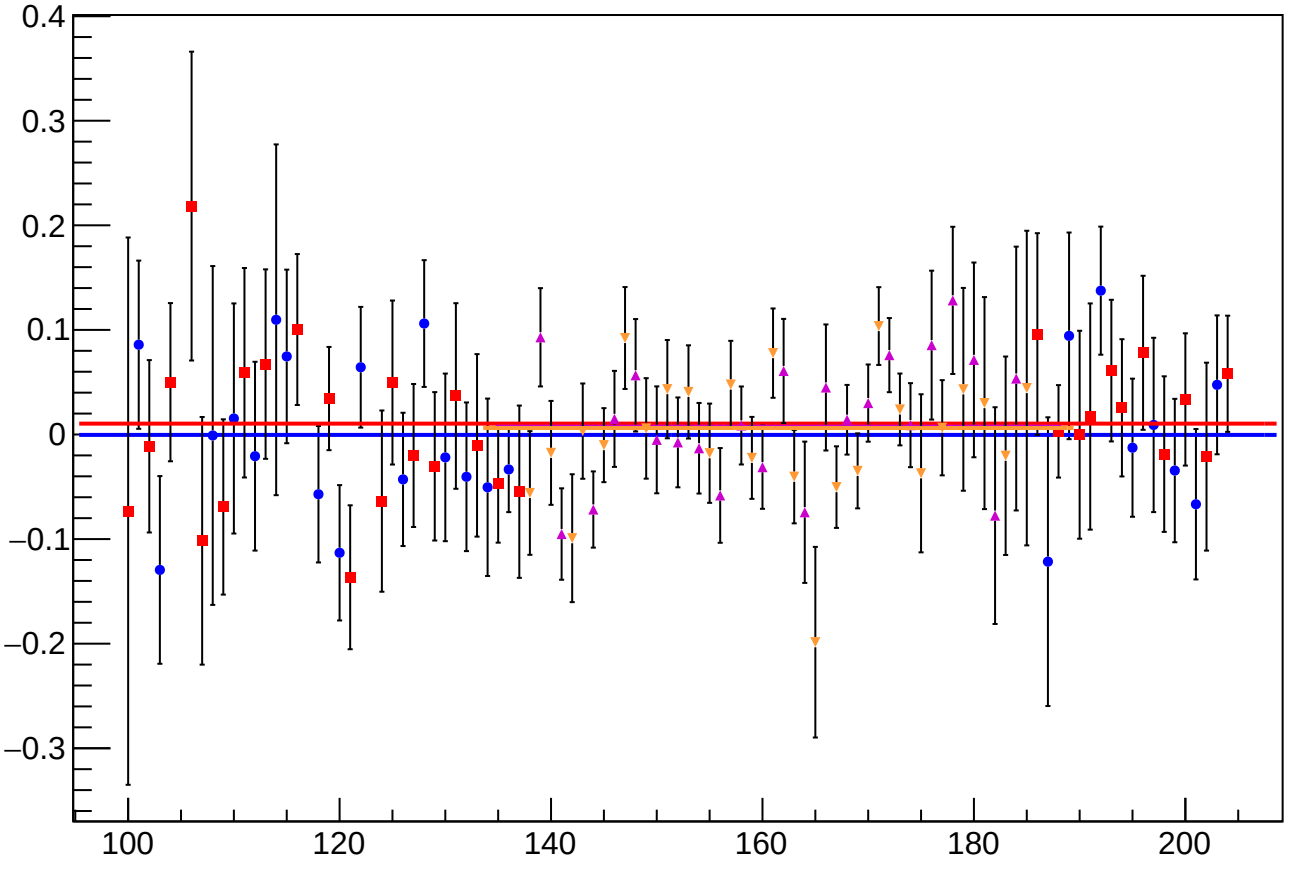
Right: 0.002+/-0.000 χ^2/NDF: 12955938.5/53

In: 0.003+/-0.000 χ^2/NDF:9418710.9/46

Out: 0.002+/-0.000 χ^2/NDF:11463492.9/54

All: 0.003+/-0.000 χ^2/NDF: 20930703.3/101

asym_sam_24_68_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.015 χ^2/NDF: 22.9/23

Left Out: 0.006+/-0.010 χ^2/NDF:30.8/24

Right Out: 0.010+/-0.014 χ^2/NDF: 17.9/29

Left In: 0.007+/-0.010 χ^2/NDF:30.4/22

Left: 0.007+/-0.007 χ^2/NDF: 61.3/47

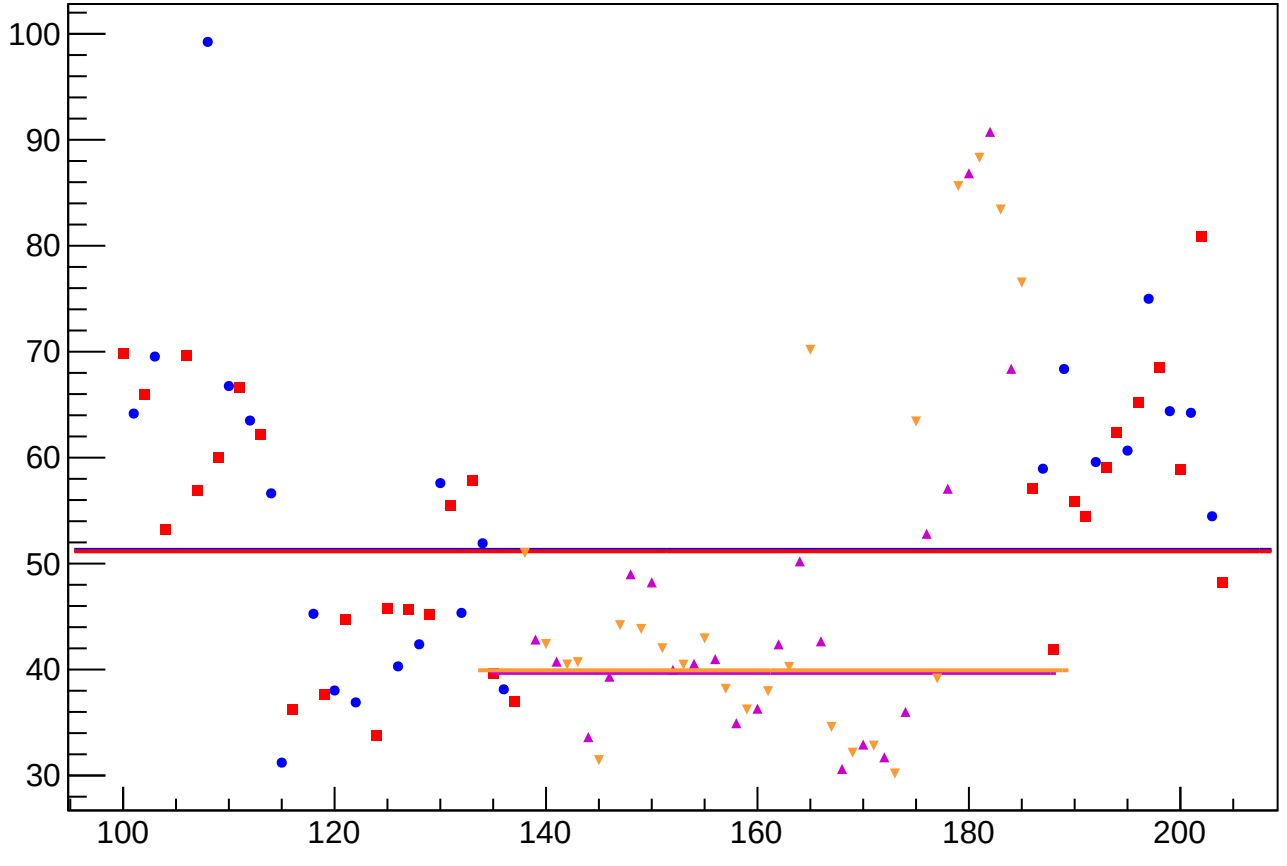
Right: 0.005+/-0.010 χ^2/NDF: 41.2/53

In: 0.005+/-0.008 χ^2/NDF:53.6/46

Out: 0.008+/-0.008 χ^2/NDF:48.8/54

All: 0.006+/-0.006 χ^2/NDF: 102.4/101

asym_sam_24_68_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 51.296+/-0.011 χ^2/NDF: 1514218.5/23

Left Out: 39.930+/-0.007 χ^2/NDF:2475527.1/24

Right Out: 51.164+/-0.010 χ^2/NDF: 1361209.8/29

Left In: 39.685+/-0.007 χ^2/NDF:1915901.2/22

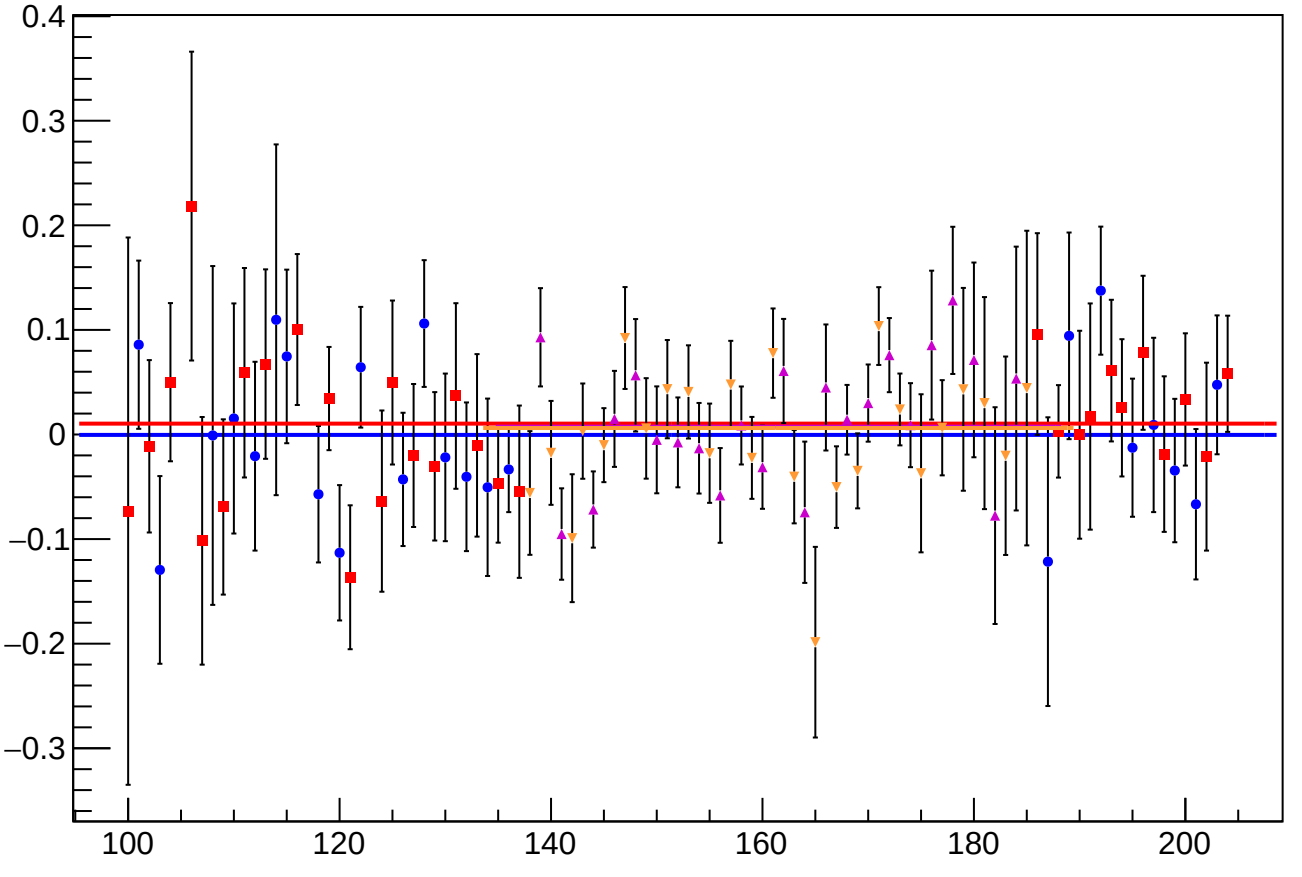
Left: 39.810+/-0.005 χ^2/NDF: 4392069.1/47

Right: 51.224+/-0.007 χ^2/NDF: 2875514.4/53

In: 43.186+/-0.006 χ^2/NDF:4280858.7/46

Out: 43.637+/-0.006 χ^2/NDF:4745664.9/54

All: 43.421+/-0.004 χ^2/NDF: 9029694.6/101



Right In: -0.000+/-0.015 χ^2/NDF: 22.9/23

Left Out: 0.006+/-0.010 χ^2/NDF:30.8/24

Right Out: 0.010+/-0.014 χ^2/NDF: 17.9/29

Left In: 0.007+/-0.010 χ^2/NDF:30.4/22

Left: 0.007+/-0.007 χ^2/NDF: 61.3/47

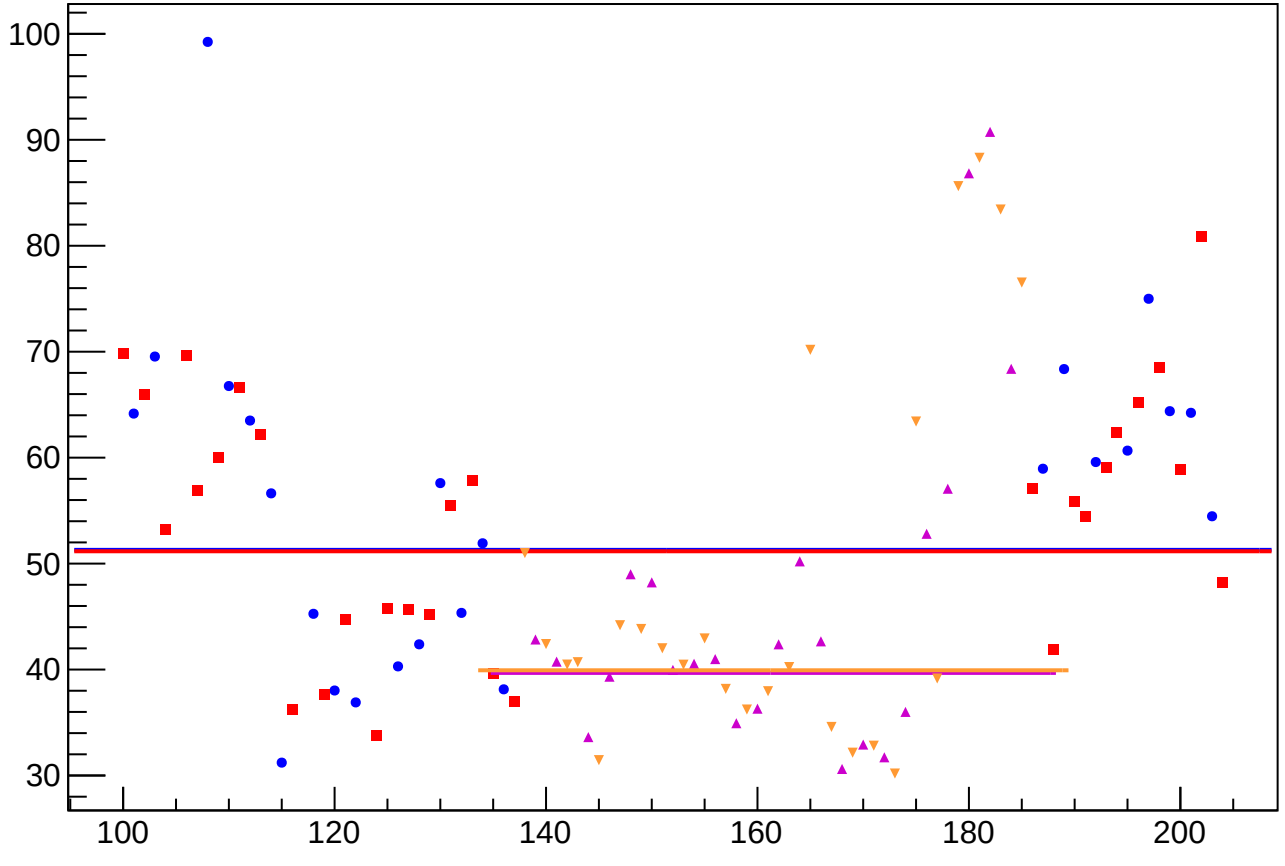
Right: 0.005+/-0.010 χ^2/NDF: 41.2/53

In: 0.005+/-0.008 χ^2/NDF:53.6/46

Out: 0.008+/-0.008 χ^2/NDF:48.8/54

All: 0.006+/-0.006 χ^2/NDF: 102.4/101

asym_sam_24_68_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 51.296+/-0.011 χ^2/NDF: 1514218.5/23

Left Out: 39.930+/-0.007 χ^2/NDF:2475527.1/24

Right Out: 51.164+/-0.010 χ^2/NDF: 1361209.8/29

Left In: 39.685+/-0.007 χ^2/NDF:1915901.2/22

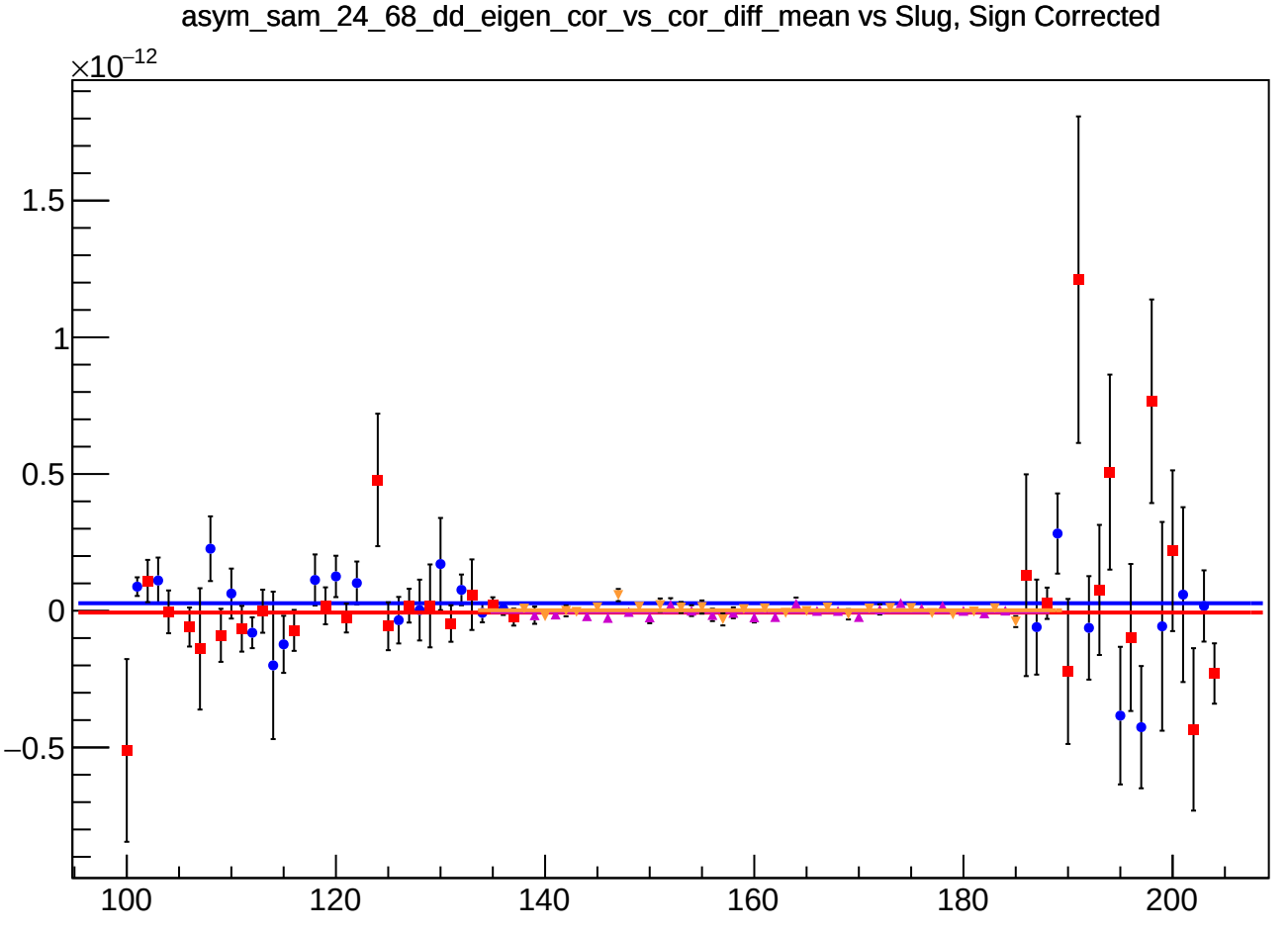
Left: 39.810+/-0.005 χ^2/NDF: 4392069.1/47

Right: 51.224+/-0.007 χ^2/NDF: 2875514.4/53

In: 43.186+/-0.006 χ^2/NDF:4280858.7/46

Out: 43.637+/-0.006 χ^2/NDF:4745664.9/54

All: 43.421+/-0.004 χ^2/NDF: 9029694.6/101



Right In: 0.000+/-0.000 χ^2/NDF: 31.3/23

Left Out: 0.000+/-0.000 χ^2/NDF:28.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 32.9/29

Left In: -0.000+/-0.000 χ^2/NDF:27.5/22

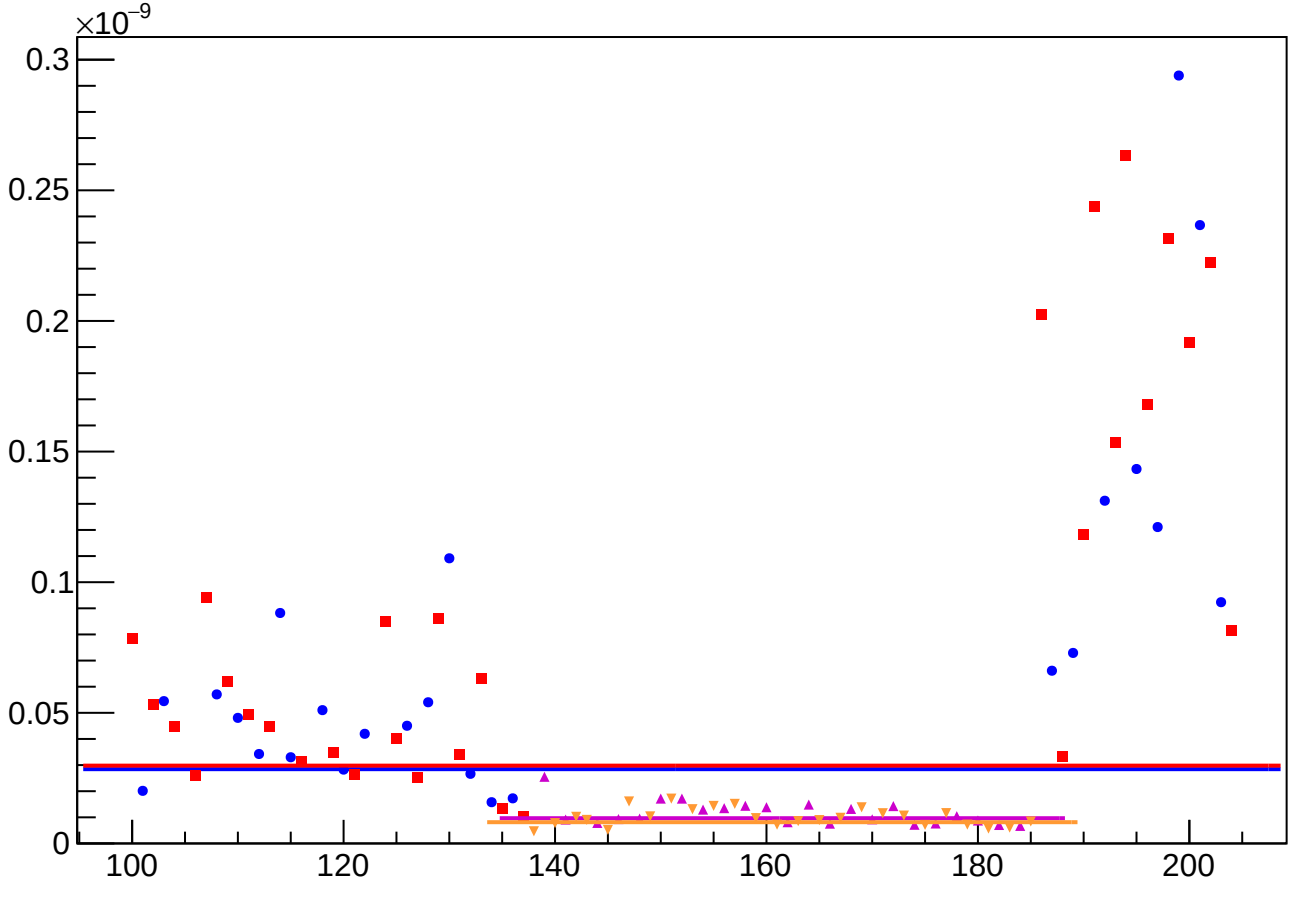
Left: -0.000+/-0.000 χ^2/NDF: 57.5/47

Right: 0.000+/-0.000 χ^2/NDF: 67.4/53

In: -0.000+/-0.000 χ^2/NDF:64.1/46

Out: 0.000+/-0.000 χ^2/NDF:61.2/54

All: -0.000+/-0.000 χ^2/NDF: 126.3/101



Right In: 0.000+/-0.000 χ^2/NDF: 6155412.7/23

Left Out: 0.000+/-0.000 χ^2/NDF:2354980.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8279923.7/29

Left In: 0.000+/-0.000 χ^2/NDF:2106161.0/22

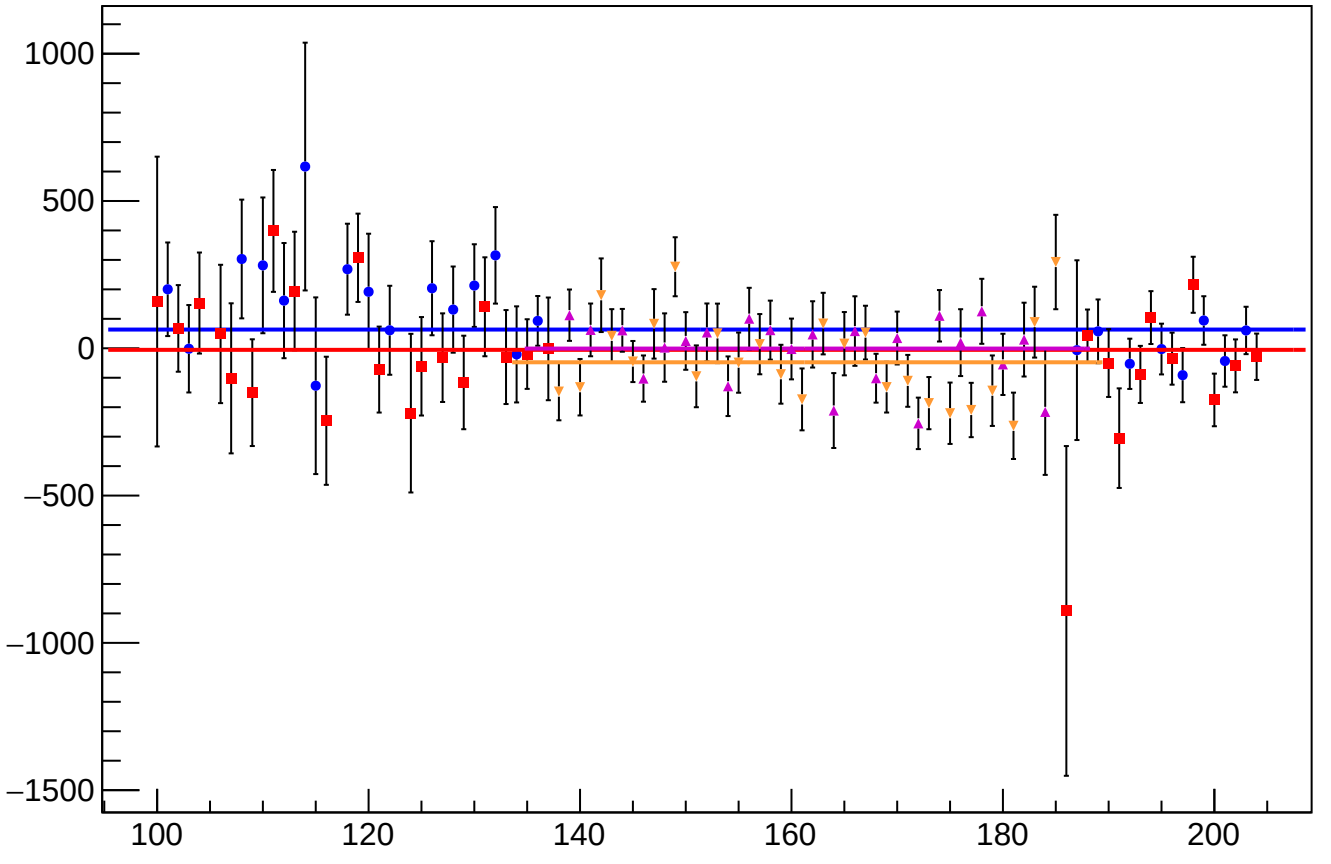
Left: 0.000+/-0.000 χ^2/NDF: 4748302.8/47

Right: 0.000+/-0.000 χ^2/NDF: 14445398.7/53

In: 0.000+/-0.000 χ^2/NDF:12069843.1/46

Out: 0.000+/-0.000 χ^2/NDF:15467644.4/54

All: 0.000+/-0.000 χ^2/NDF: 27923882.9/101



Right In: 63.572+/-25.361 χ^2/NDF: 19.7/23

Left Out: -47.524+/-19.983 χ^2/NDF:44.0/24

Right Out: -5.303+/-23.968 χ^2/NDF: 32.6/29

Left In: -0.986+/-20.604 χ^2/NDF:25.5/22

Left: -24.966+/-14.345 χ^2/NDF: 72.1/47

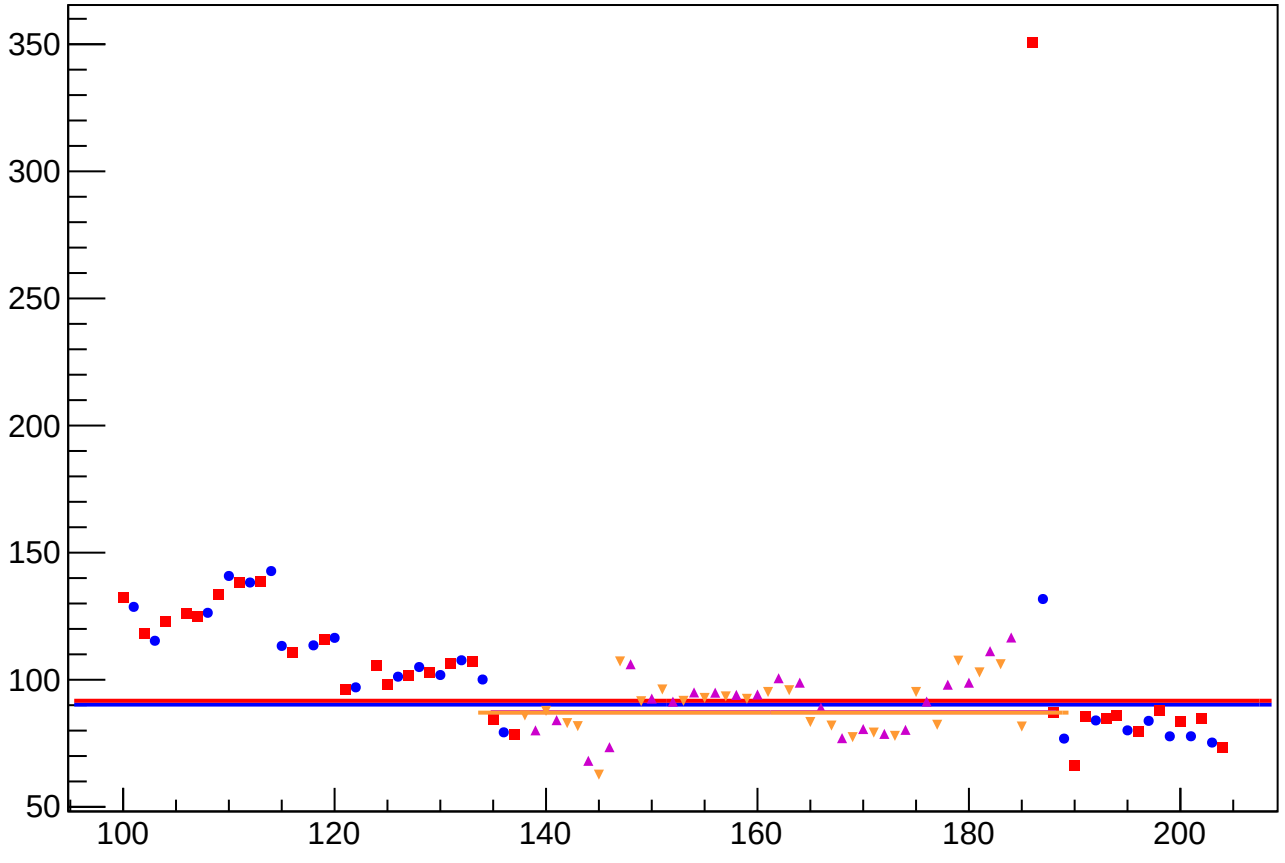
Right: 27.191+/-17.419 χ^2/NDF: 56.2/53

In: 24.682+/-15.991 χ^2/NDF:49.0/46

Out: -30.210+/-15.348 χ^2/NDF:78.4/54

All: -3.890+/-11.073 χ^2/NDF: 133.6/101

reg_asym_sam_26_48_dd_rms vs Slug, Sign Corrected



Right In: 90.239+/-0.018 χ^2/NDF: 962131.4/23

Left Out: 87.072+/-0.014 χ^2/NDF:620626.5/24

Right Out: 91.745+/-0.017 χ^2/NDF: 1423342.3/29

Left In: 87.257+/-0.015 χ^2/NDF:595793.1/22

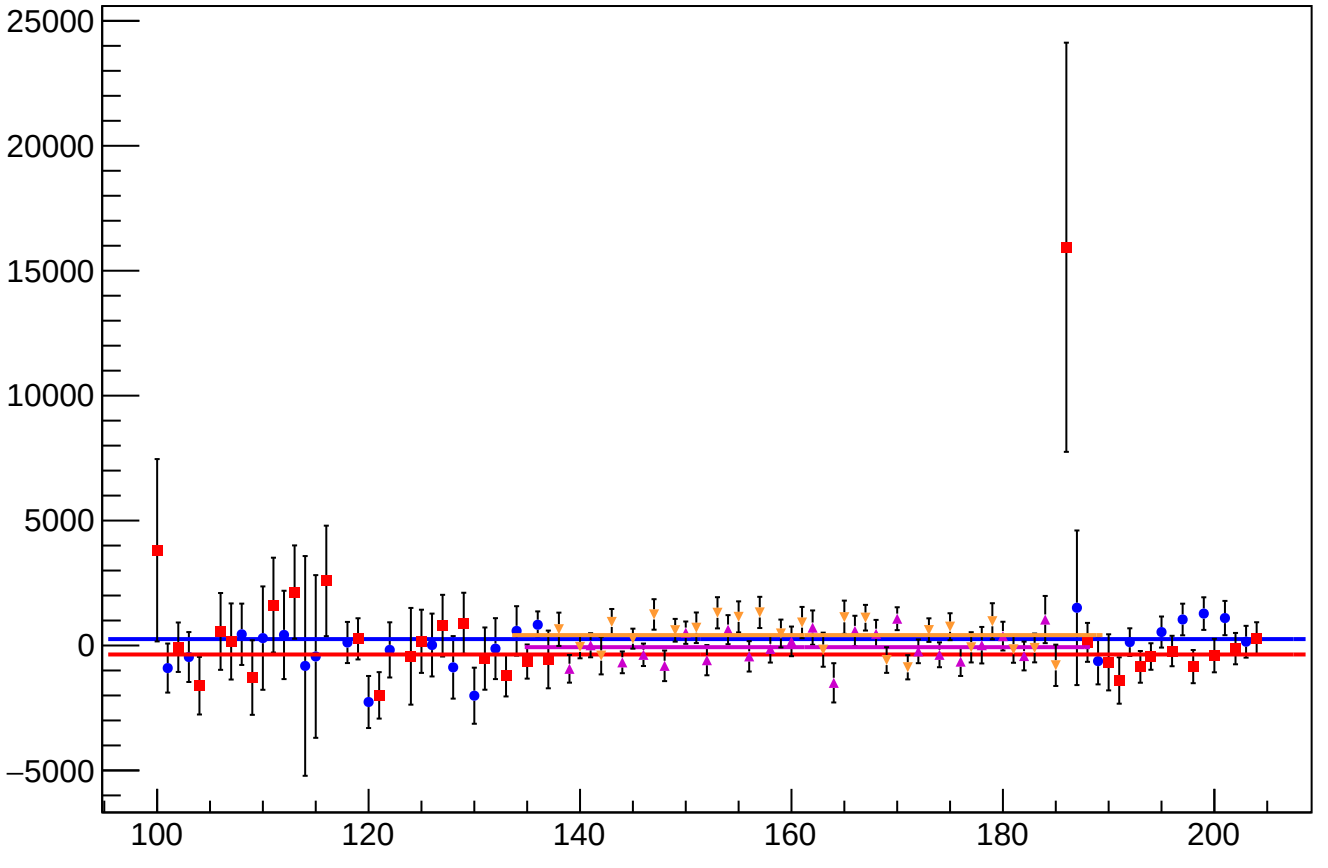
Left: 87.161+/-0.010 χ^2/NDF: 1216502.5/47

Right: 91.035+/-0.012 χ^2/NDF: 2389202.0/53

In: 88.442+/-0.011 χ^2/NDF:1574585.4/46

Out: 88.988+/-0.011 χ^2/NDF:2088833.4/54

All: 88.727+/-0.008 χ^2/NDF: 3664632.3/101



Right In: 256.450+/-181.350 χ^2/NDF: 21.2/23

Left Out: 416.424+/-112.336 χ^2/NDF:32.4/24

Right Out: -359.551+/-167.959 χ^2/NDF: 23.1/29

Left In: -66.675+/-115.419 χ^2/NDF:27.5/22

Left: 181.413+/-80.501 χ^2/NDF: 68.9/47

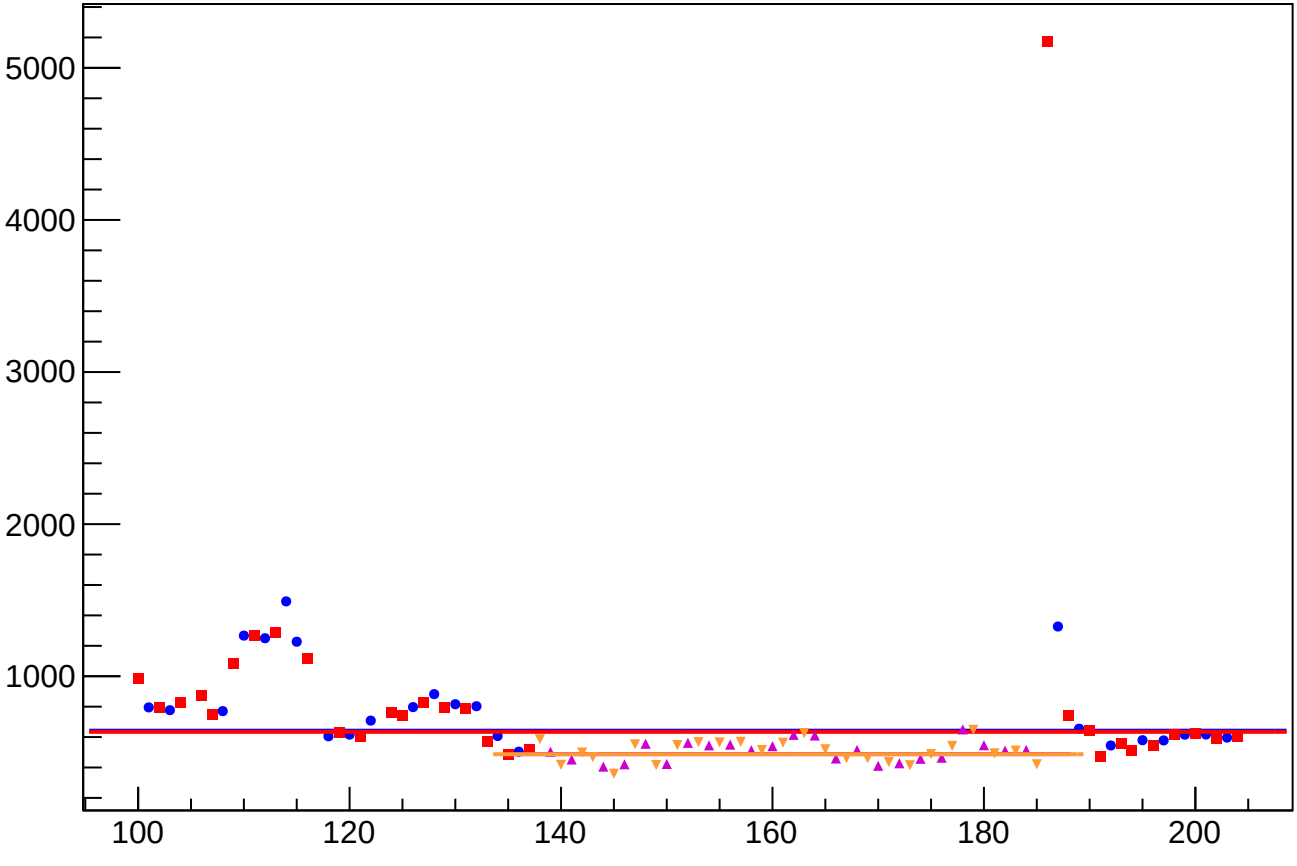
Right: -75.131+/-123.227 χ^2/NDF: 50.4/53

In: 26.477+/-97.371 χ^2/NDF:51.0/46

Out: 176.590+/-93.376 χ^2/NDF:70.2/54

All: 104.676+/-67.395 χ^2/NDF: 122.4/101

asym_sam_26_48_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 641.861+/-0.128 χ^2/NDF: 1217226.4/23

Left Out: 487.081+/-0.079 χ^2/NDF:821265.9/24

Right Out: 634.521+/-0.119 χ^2/NDF: 2110697.3/29

Left In: 487.930+/-0.082 χ^2/NDF:634269.5/22

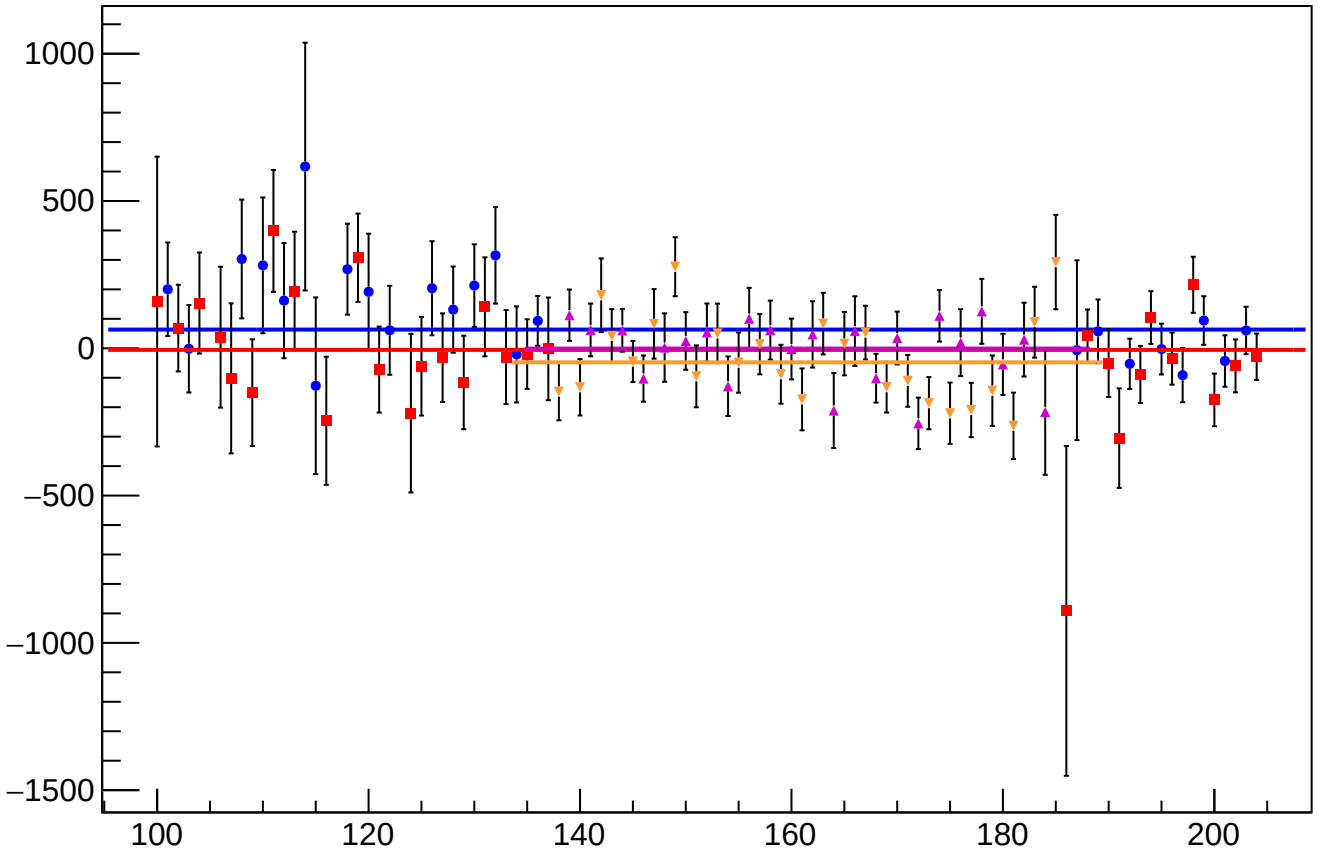
Left: 487.494+/-0.057 χ^2/NDF: 1455591.1/47

Right: 637.910+/-0.087 χ^2/NDF: 3329687.3/53

In: 532.306+/-0.069 χ^2/NDF:2877028.2/46

Out: 532.651+/-0.066 χ^2/NDF:3996808.7/54

All: 532.486+/-0.048 χ^2/NDF: 6873849.8/101



Right In: 63.563+/-25.361 χ^2/NDF: 19.7/23

Left Out: -47.532+/-19.983 χ^2/NDF:44.0/24

Right Out: -5.407+/-23.972 χ^2/NDF: 32.6/29

Left In: -0.988+/-20.604 χ^2/NDF:25.5/22

Left: -24.971+/-14.345 χ^2/NDF: 72.1/47

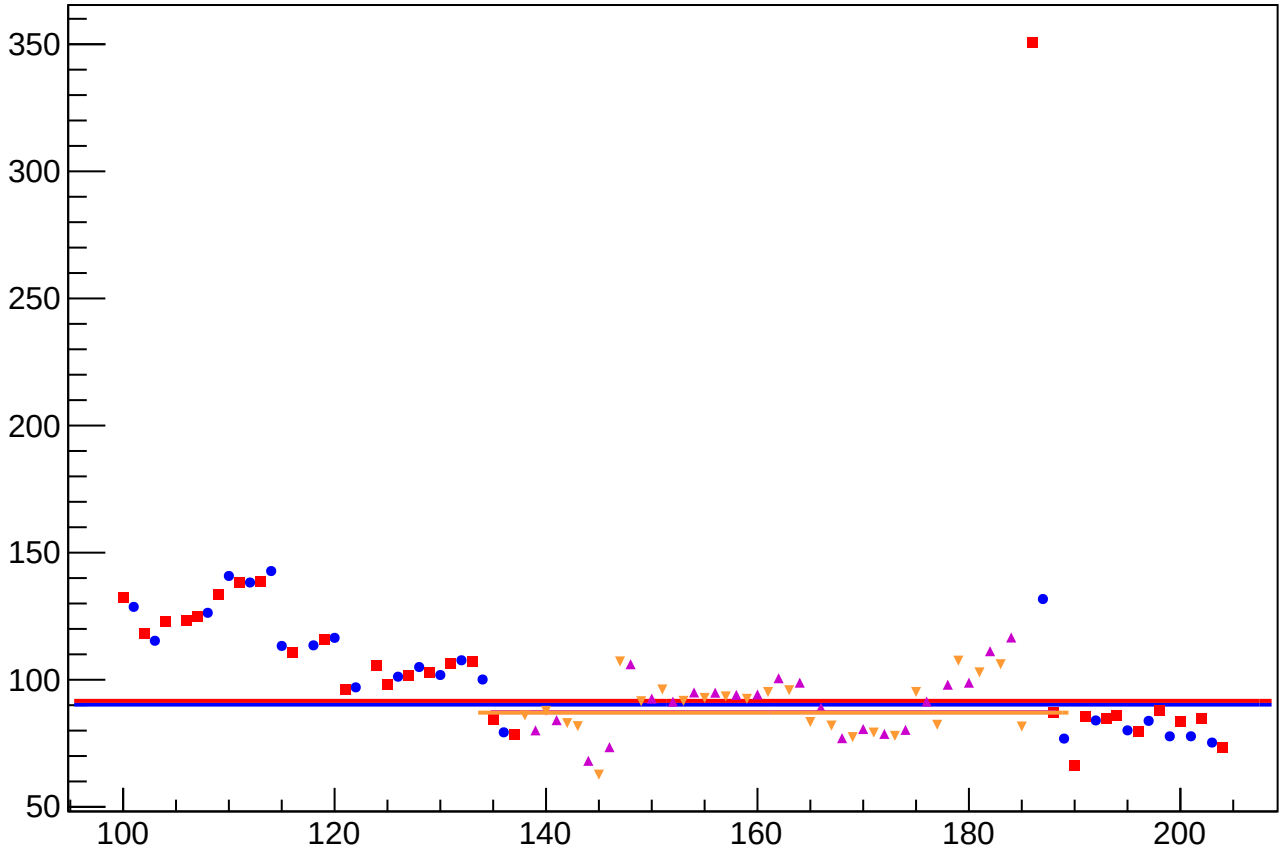
Right: 27.138+/-17.421 χ^2/NDF: 56.2/53

In: 24.678+/-15.991 χ^2/NDF:49.0/46

Out: -30.261+/-15.349 χ^2/NDF:78.4/54

All: -3.917+/-11.074 χ^2/NDF: 133.6/101

cor_asym_sam_26_48_dd_rms vs Slug, Sign Corrected



Right In: 90.239+/-0.018 χ^2/NDF: 962131.8/23

Left Out: 87.072+/-0.014 χ^2/NDF:620626.5/24

Right Out: 91.705+/-0.017 χ^2/NDF: 1415412.9/29

Left In: 87.257+/-0.015 χ^2/NDF:595793.1/22

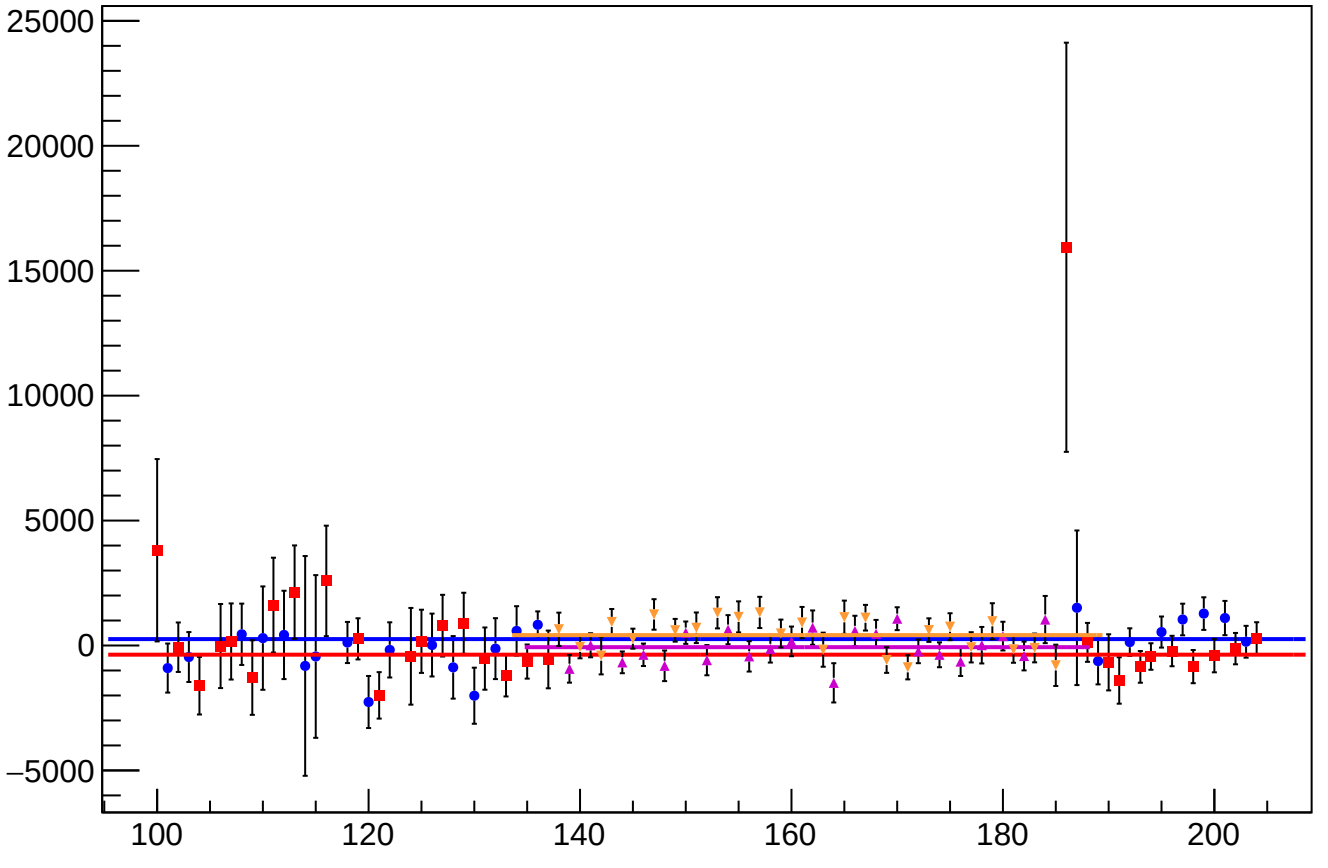
Left: 87.161+/-0.010 χ^2/NDF: 1216502.6/47

Right: 91.013+/-0.012 χ^2/NDF: 2381072.6/53

In: 88.442+/-0.011 χ^2/NDF:1574585.8/46

Out: 88.971+/-0.011 χ^2/NDF:2080112.2/54

All: 88.718+/-0.008 χ^2/NDF: 3655836.1/101



Right In: 256.450+/-181.350 χ^2/NDF: 21.2/23

Left Out: 416.416+/-112.336 χ^2/NDF:32.4/24

Right Out: -367.208+/-168.128 χ^2/NDF: 22.7/29

Left In: -66.674+/-115.419 χ^2/NDF:27.5/22

Left: 181.409+/-80.501 χ^2/NDF: 68.9/47

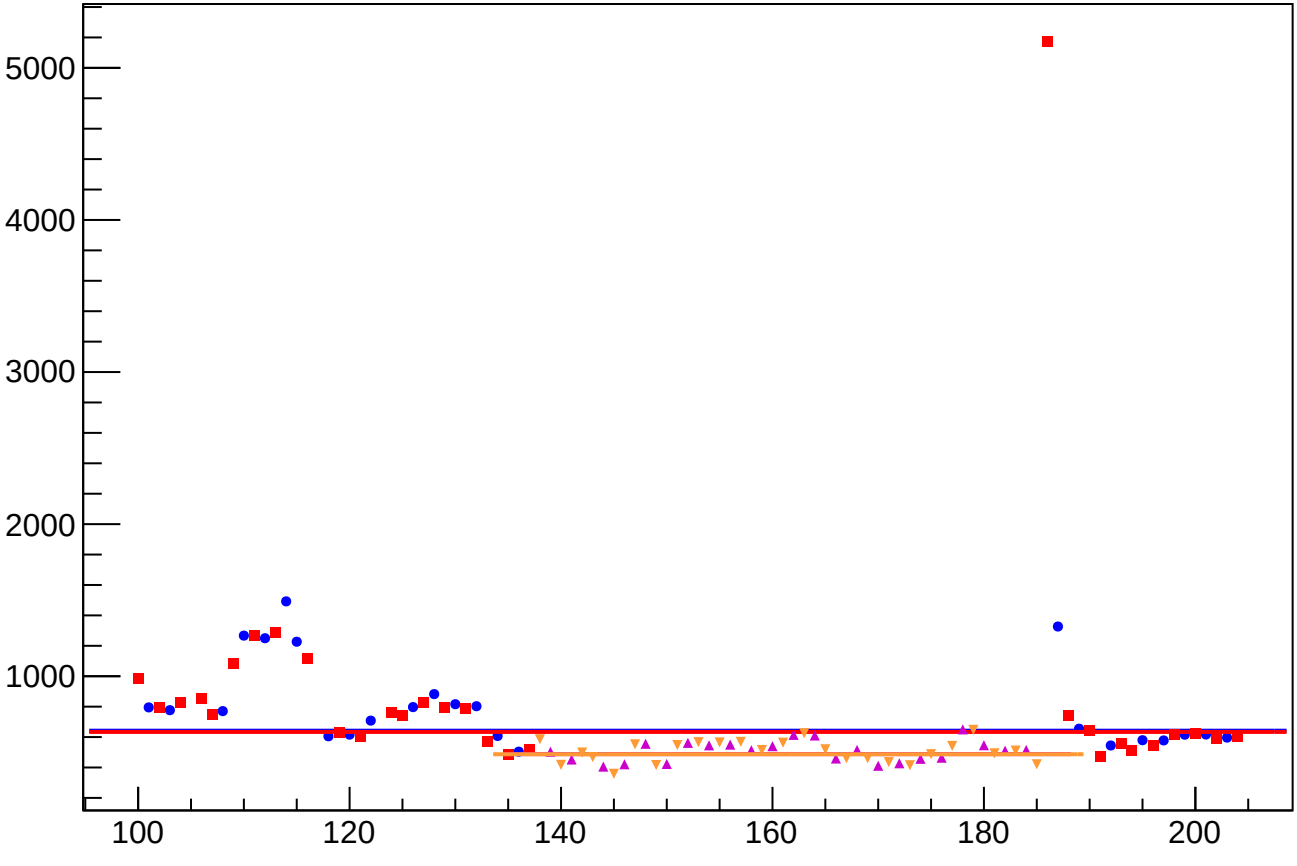
Right: -78.941+/-123.294 χ^2/NDF: 50.3/53

In: 26.478+/-97.371 χ^2/NDF:51.0/46

Out: 174.555+/-93.405 χ^2/NDF:70.2/54

All: 103.594+/-67.406 χ^2/NDF: 122.3/101

asym_sam_26_48_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 641.861+/-0.128 χ^2/NDF: 1217238.5/23

Left Out: 487.081+/-0.079 χ^2/NDF:821261.6/24

Right Out: 633.851+/-0.119 χ^2/NDF: 2096277.9/29

Left In: 487.930+/-0.082 χ^2/NDF:634273.3/22

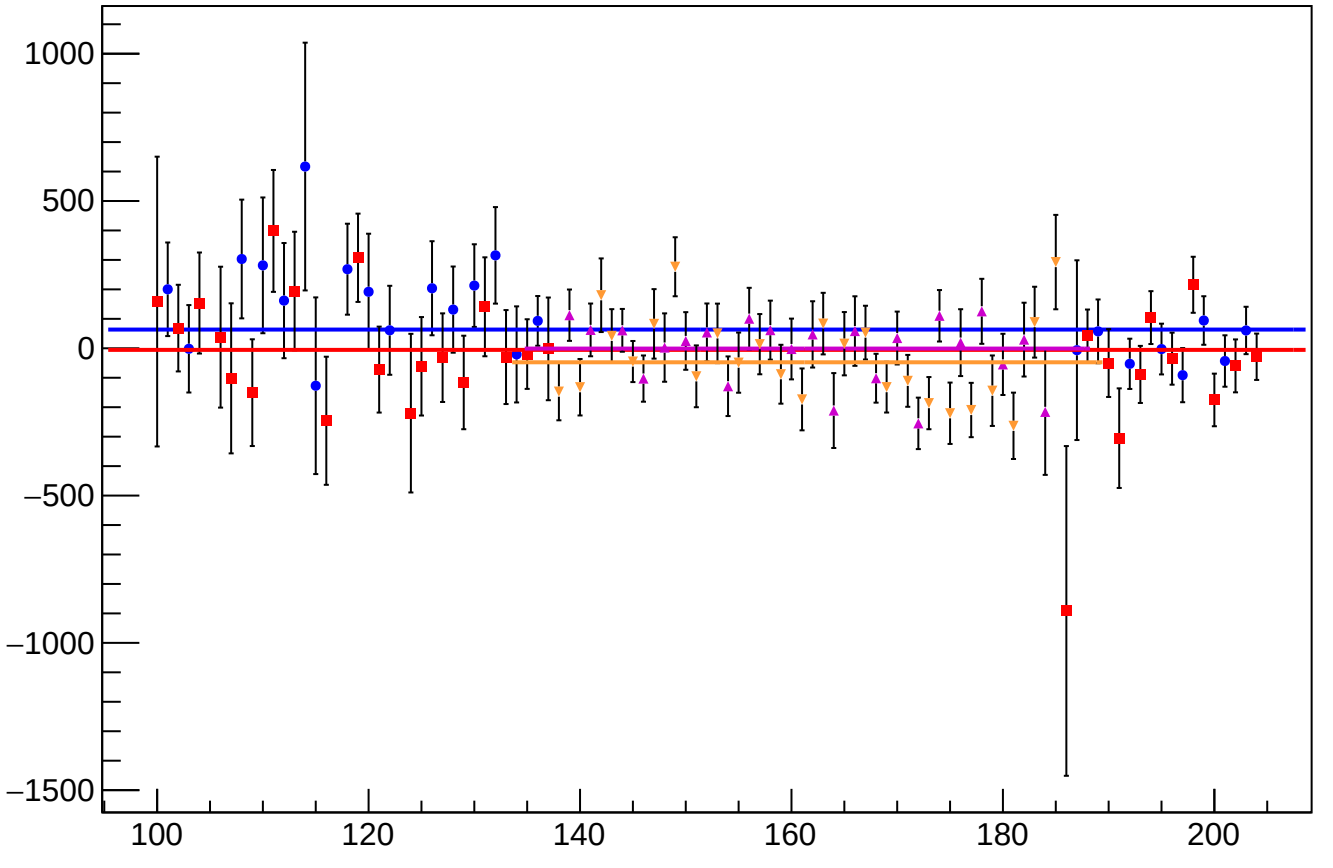
Left: 487.494+/-0.057 χ^2/NDF: 1455590.6/47

Right: 637.553+/-0.087 χ^2/NDF: 3315614.7/53

In: 532.306+/-0.069 χ^2/NDF:2877044.2/46

Out: 532.381+/-0.066 χ^2/NDF:3971260.9/54

All: 532.345+/-0.048 χ^2/NDF: 6848305.7/101



Right In: 63.563+/-25.361 χ^2/NDF: 19.7/23

Left Out: -47.532+/-19.983 χ^2/NDF:44.0/24

Right Out: -5.407+/-23.972 χ^2/NDF: 32.6/29

Left In: -0.988+/-20.604 χ^2/NDF:25.5/22

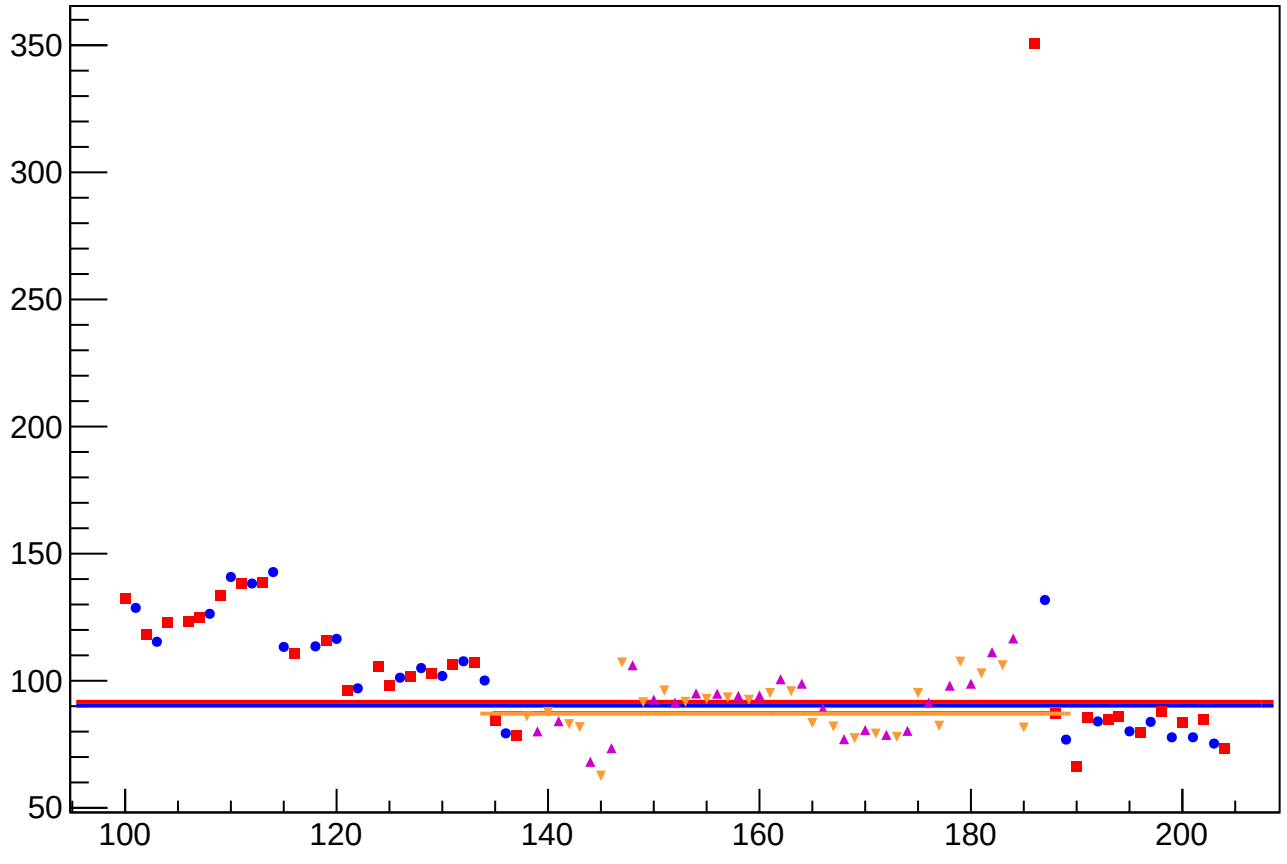
Left: -24.971+/-14.345 χ^2/NDF: 72.1/47

Right: 27.138+/-17.421 χ^2/NDF: 56.2/53

In: 24.678+/-15.991 χ^2/NDF:49.0/46

Out: -30.261+/-15.349 χ^2/NDF:78.4/54

All: -3.917+/-11.074 χ^2/NDF: 133.6/101



Right In: 90.239+/-0.018 χ^2/NDF: 962131.8/23

Left Out: 87.072+/-0.014 χ^2/NDF:620626.5/24

Right Out: 91.705+/-0.017 χ^2/NDF: 1415412.9/29

Left In: 87.257+/-0.015 χ^2/NDF:595793.1/22

Left: 87.161+/-0.010 χ^2/NDF: 1216502.6/47

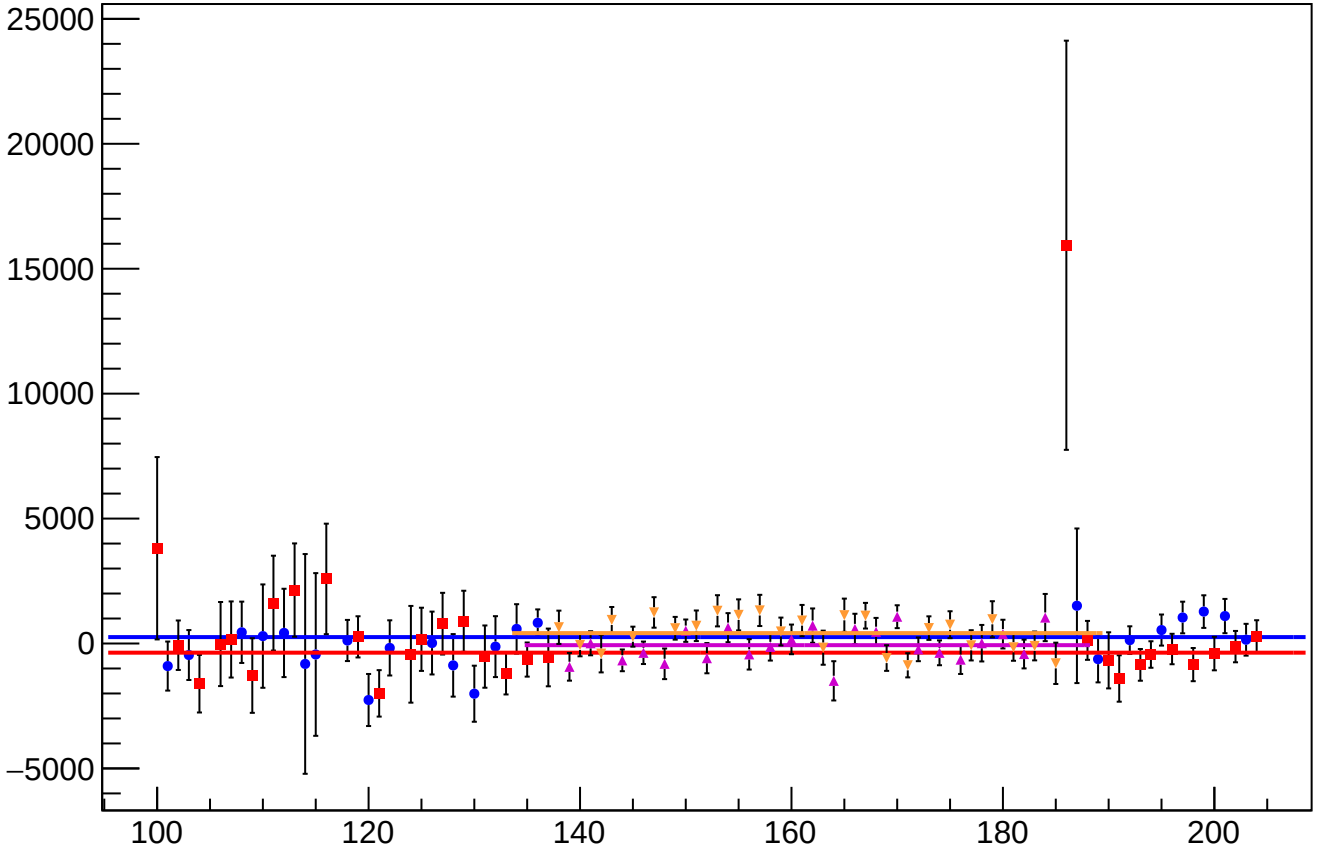
Right: 91.013+/-0.012 χ^2/NDF: 2381072.6/53

In: 88.442+/-0.011 χ^2/NDF:1574585.8/46

Out: 88.971+/-0.011 χ^2/NDF:2080112.2/54

All: 88.718+/-0.008 χ^2/NDF: 3655836.1/101

asym_sam_26_48_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 256.450+/-181.350 χ^2/NDF: 21.2/23

Left Out: 416.416+/-112.336 χ^2/NDF:32.4/24

Right Out: -367.208+/-168.128 χ^2/NDF: 22.7/29

Left In: -66.674+/-115.419 χ^2/NDF:27.5/22

Left: 181.409+/-80.501 χ^2/NDF: 68.9/47

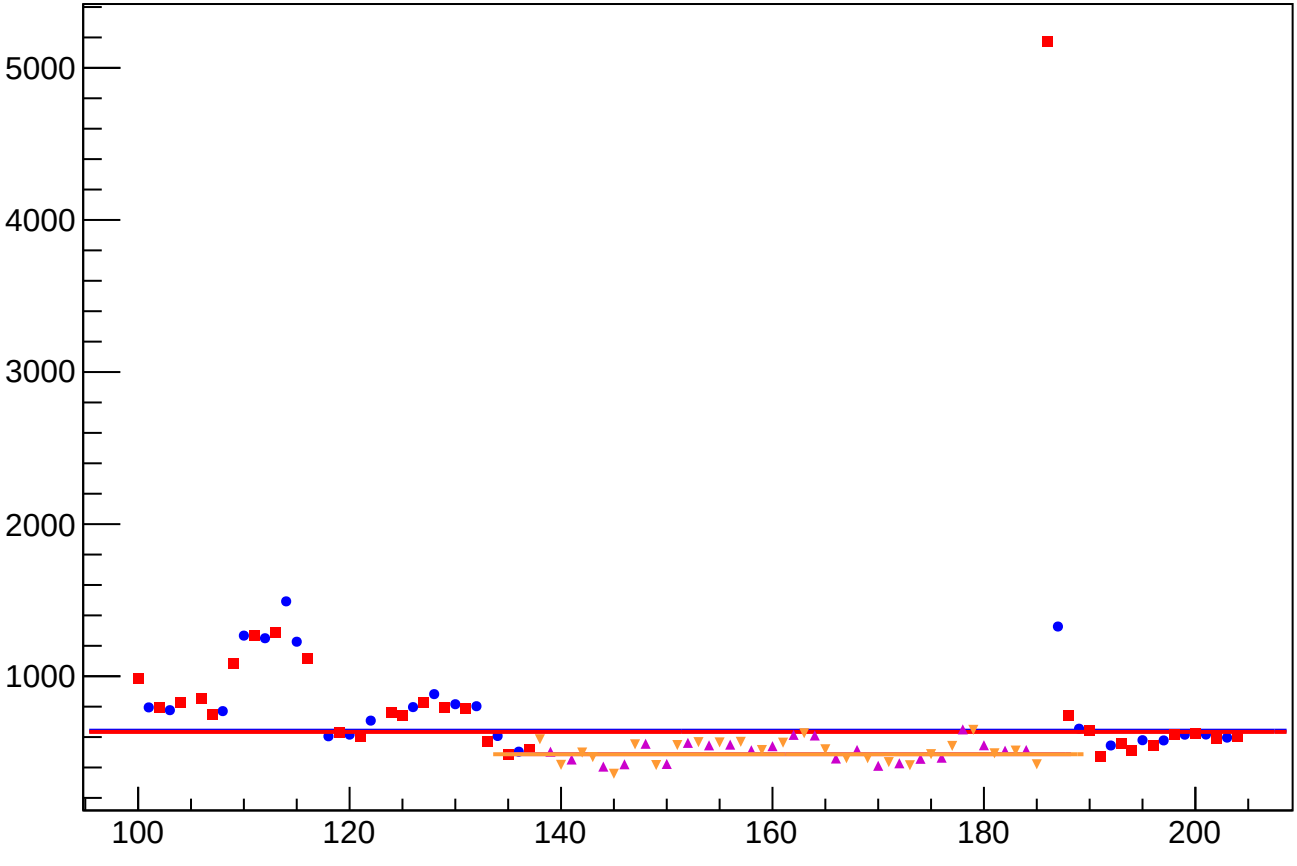
Right: -78.941+/-123.294 χ^2/NDF: 50.3/53

In: 26.478+/-97.371 χ^2/NDF:51.0/46

Out: 174.555+/-93.405 χ^2/NDF:70.2/54

All: 103.594+/-67.406 χ^2/NDF: 122.3/101

asym_sam_26_48_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 641.861+/-0.128 χ^2/NDF: 1217238.5/23

Left Out: 487.081+/-0.079 χ^2/NDF:821261.6/24

Right Out: 633.851+/-0.119 χ^2/NDF: 2096277.9/29

Left In: 487.930+/-0.082 χ^2/NDF:634273.3/22

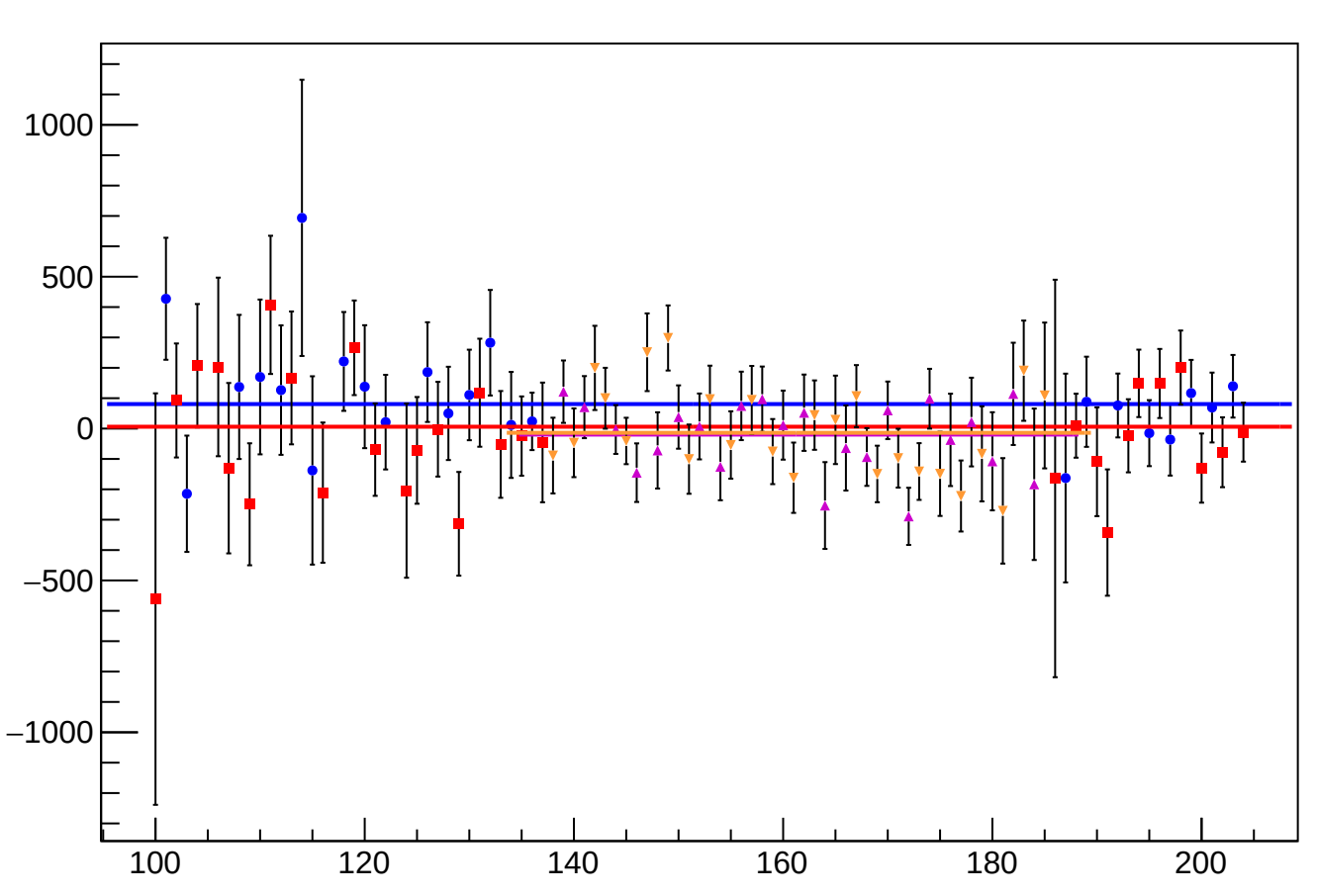
Left: 487.494+/-0.057 χ^2/NDF: 1455590.6/47

Right: 637.553+/-0.087 χ^2/NDF: 3315614.7/53

In: 532.306+/-0.069 χ^2/NDF:2877044.2/46

Out: 532.381+/-0.066 χ^2/NDF:3971260.9/54

All: 532.345+/-0.048 χ^2/NDF: 6848305.7/101



Right In: 80.660+/-30.408 χ^2/NDF: 13.9/23

Left Out: -13.904+/-22.916 χ^2/NDF:36.4/24

Right Out: 6.100+/-28.674 χ^2/NDF: 27.8/29

Left In: -19.805+/-23.571 χ^2/NDF:23.3/22

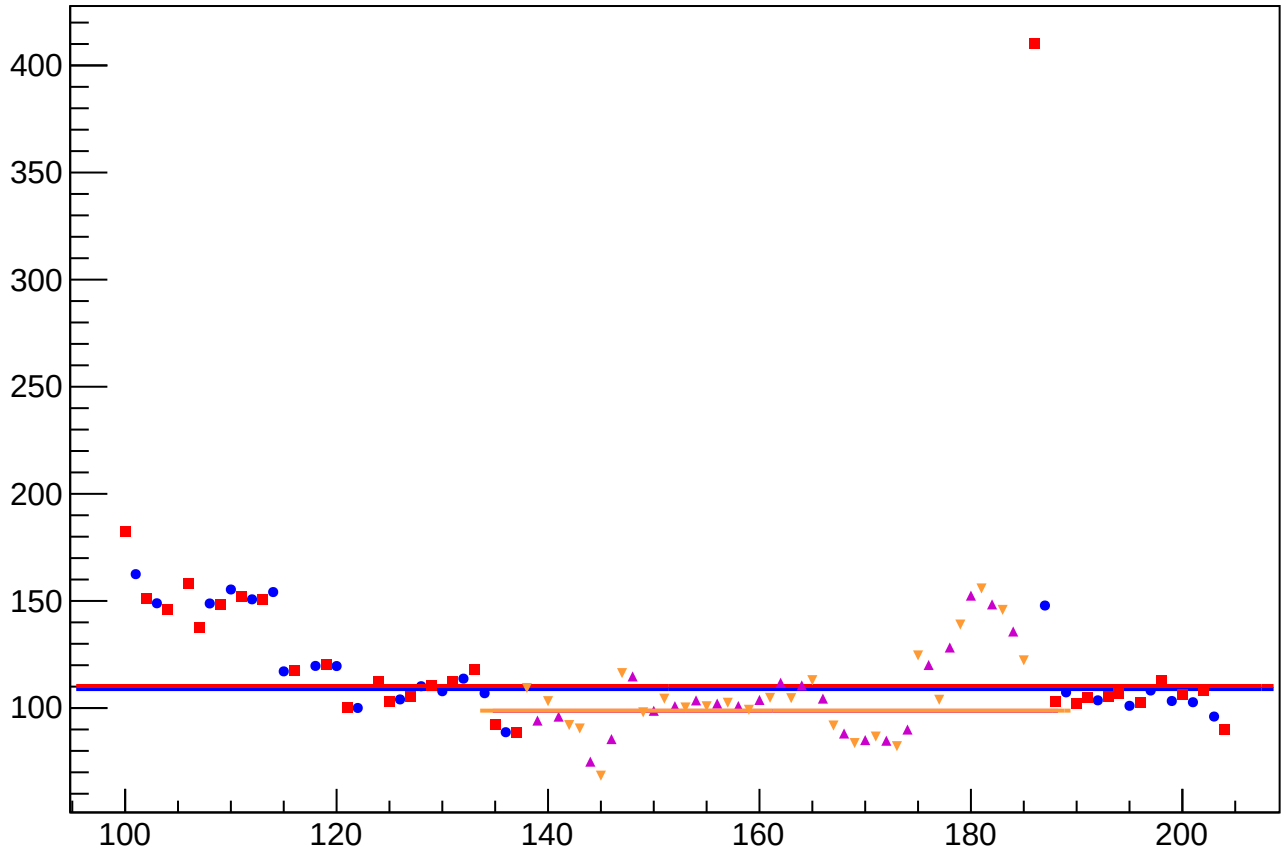
Left: -16.771+/-16.431 χ^2/NDF: 59.7/47

Right: 41.193+/-20.862 χ^2/NDF: 44.9/53

In: 17.904+/-18.630 χ^2/NDF:44.1/46

Out: -6.107+/-17.902 χ^2/NDF:64.4/54

All: 5.420+/-12.908 χ^2/NDF: 109.3/101



Right In: 108.861+/-0.022 χ^2/NDF: 650671.8/23

Left Out: 98.799+/-0.016 χ^2/NDF:1185806.0/24

Right Out: 110.301+/-0.020 χ^2/NDF: 1091950.5/29

Left In: 98.673+/-0.017 χ^2/NDF:987817.0/22

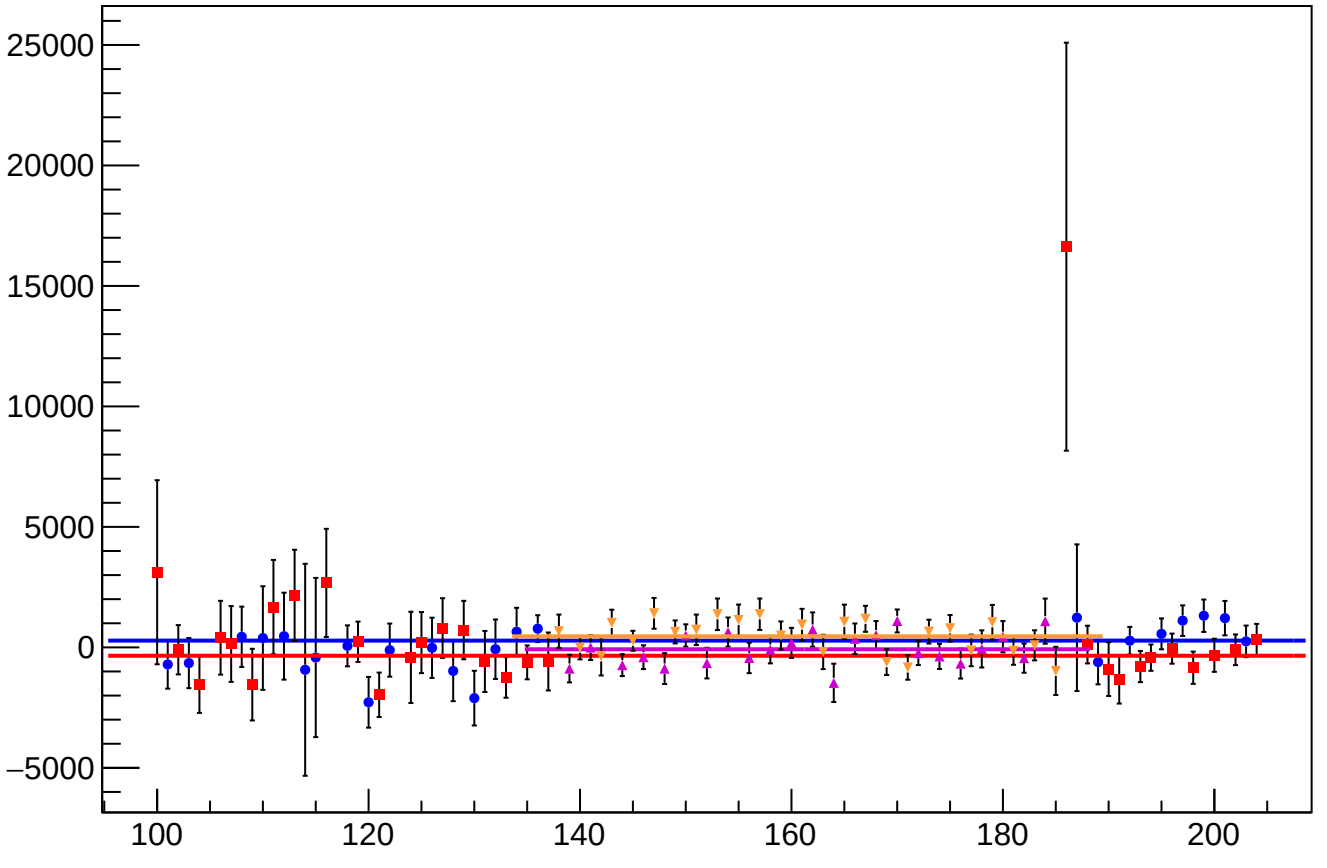
Left: 98.738+/-0.012 χ^2/NDF: 2173652.3/47

Right: 109.623+/-0.015 χ^2/NDF: 1744997.0/53

In: 102.497+/-0.013 χ^2/NDF:1778727.2/46

Out: 103.282+/-0.013 χ^2/NDF:2474146.0/54

All: 102.905+/-0.009 χ^2/NDF: 4254720.2/101



Right In: 280.699+/-185.679 χ^2/NDF: 21.5/23

Left Out: 459.094+/-118.111 χ^2/NDF:30.8/24

Right Out: -346.874+/-170.869 χ^2/NDF: 22.4/29

Left In: -78.791+/-121.436 χ^2/NDF:26.2/22

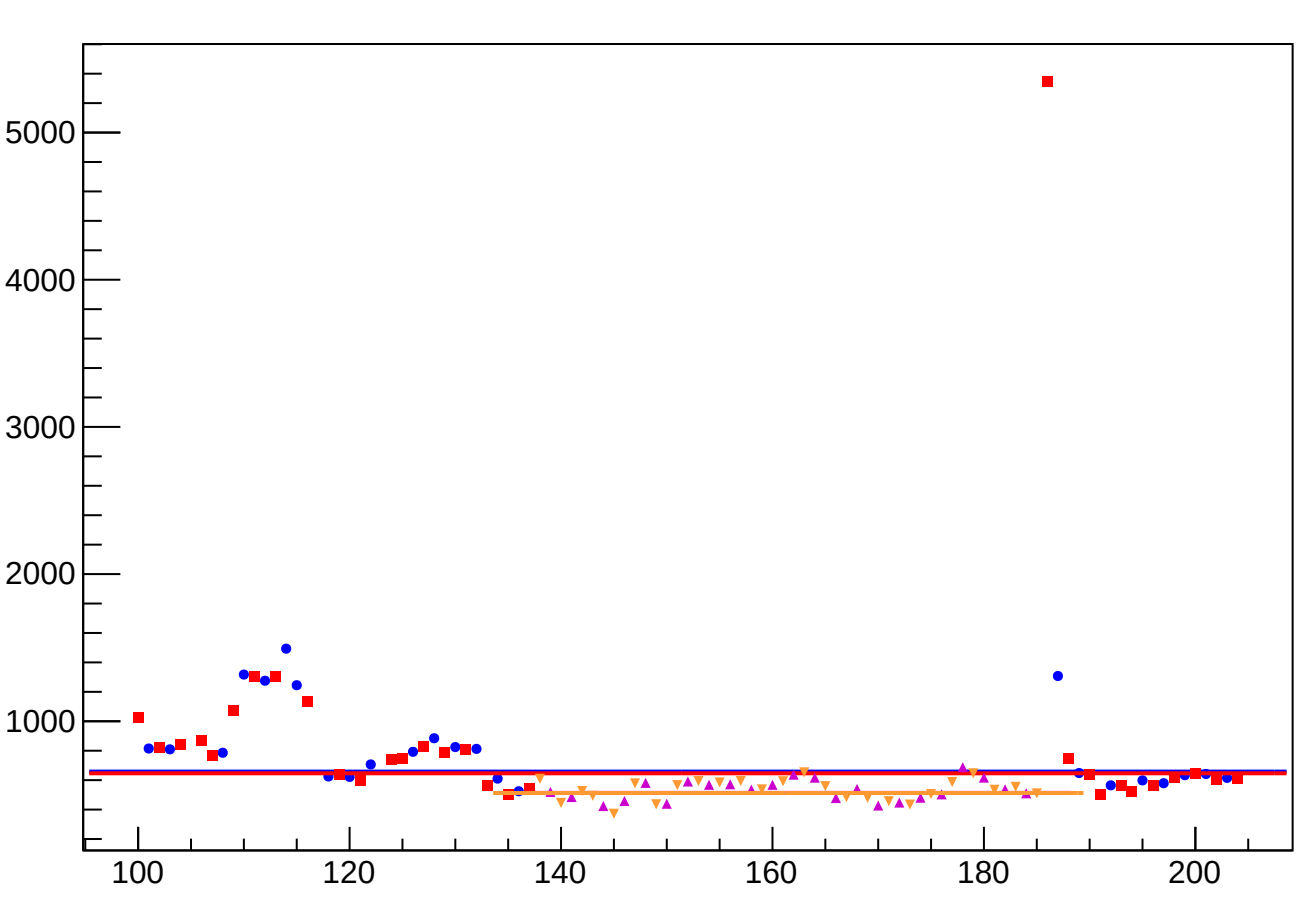
Left: 197.616+/-84.668 χ^2/NDF: 67.1/47

Right: -59.110+/-125.733 χ^2/NDF: 50.1/53

In: 28.908+/-101.631 χ^2/NDF:50.4/46

Out: 198.505+/-97.159 χ^2/NDF:68.2/54

All: 117.520+/-70.229 χ^2/NDF: 120.1/101



Right In: 658.066+/-0.131 χ^2/NDF: 1165791.7/23

Left Out: 512.768+/-0.084 χ^2/NDF:799239.4/24

Right Out: 646.537+/-0.121 χ^2/NDF: 2045196.5/29

Left In: 513.375+/-0.086 χ^2/NDF:634000.2/22

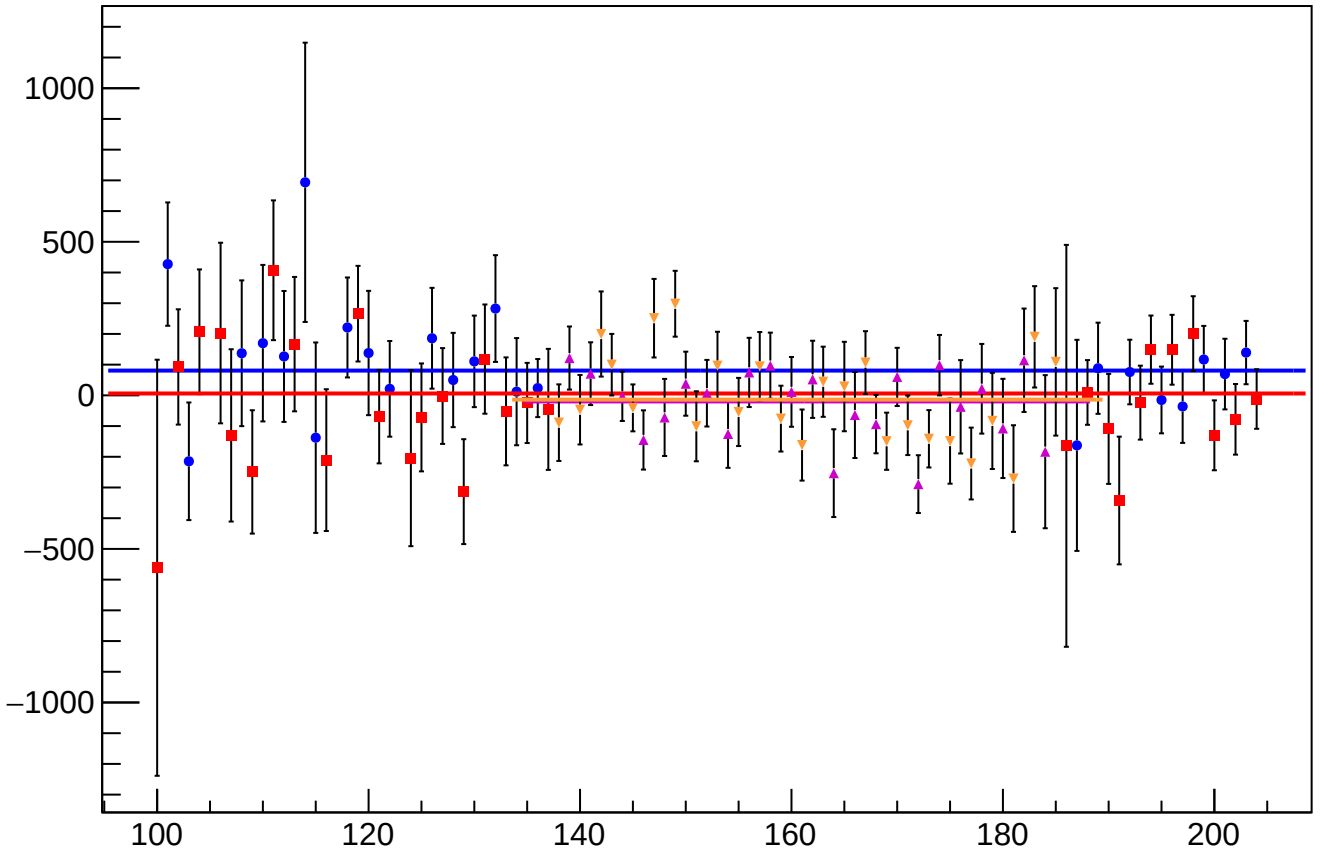
Left: 513.063+/-0.060 χ^2/NDF: 1433265.3/47

Right: 651.824+/-0.089 χ^2/NDF: 3215163.0/53

In: 556.723+/-0.072 χ^2/NDF:2650426.5/46

Out: 556.019+/-0.069 χ^2/NDF:3673896.9/54

All: 556.355+/-0.050 χ^2/NDF: 6324373.5/101



Right In: 80.660+/-30.408 χ^2/NDF: 13.9/23

Left Out: -13.906+/-22.916 χ^2/NDF:36.4/24

Right Out: 6.101+/-28.674 χ^2/NDF: 27.8/29

Left In: -19.805+/-23.571 χ^2/NDF:23.3/22

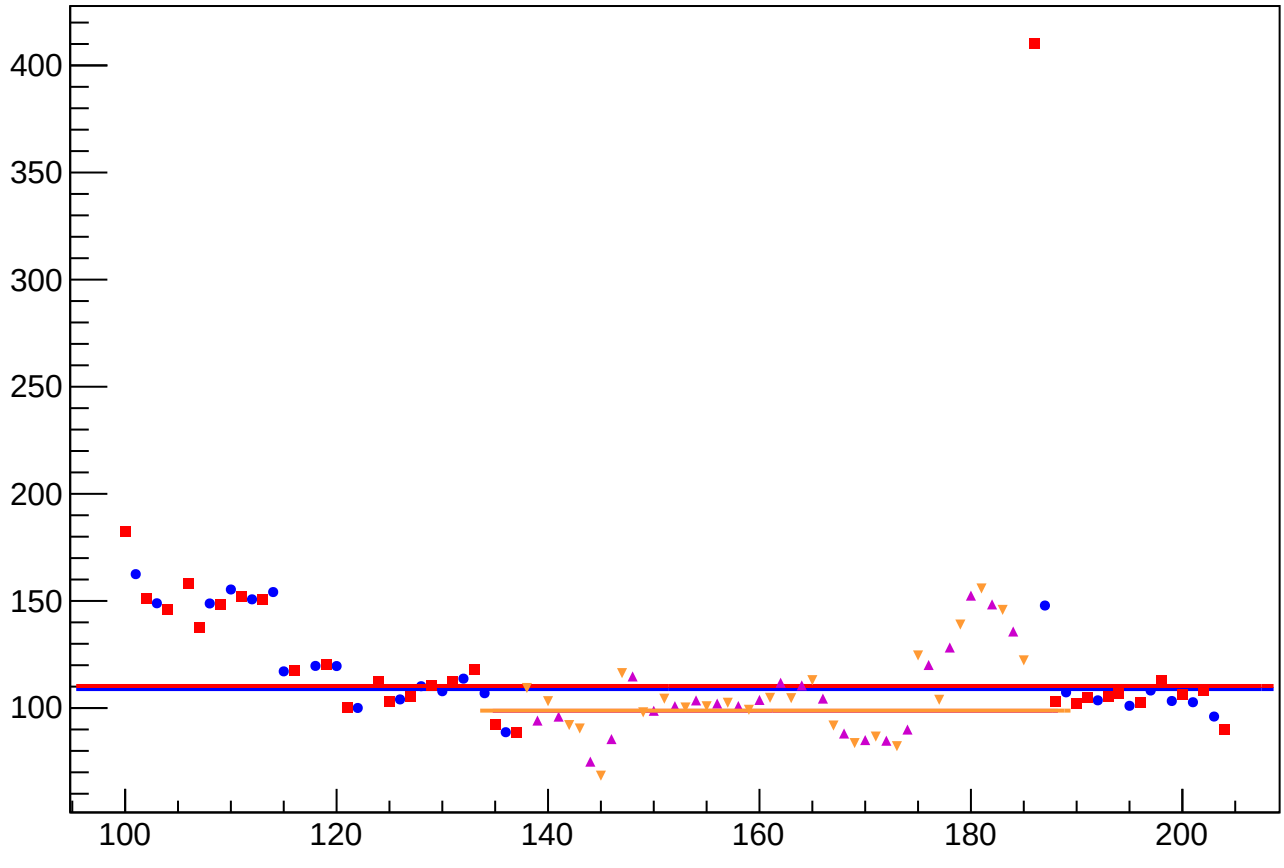
Left: -16.773+/-16.431 χ^2/NDF: 59.7/47

Right: 41.194+/-20.862 χ^2/NDF: 44.9/53

In: 17.903+/-18.630 χ^2/NDF:44.1/46

Out: -6.108+/-17.902 χ^2/NDF:64.4/54

All: 5.419+/-12.908 χ^2/NDF: 109.3/101



Right In: 108.861+/-0.022 χ^2/NDF: 650661.5/23

Left Out: 98.799+/-0.016 χ^2/NDF:1185809.9/24

Right Out: 110.301+/-0.020 χ^2/NDF: 1091937.2/29

Left In: 98.673+/-0.017 χ^2/NDF:987808.4/22

Left: 98.737+/-0.012 χ^2/NDF: 2173647.6/47

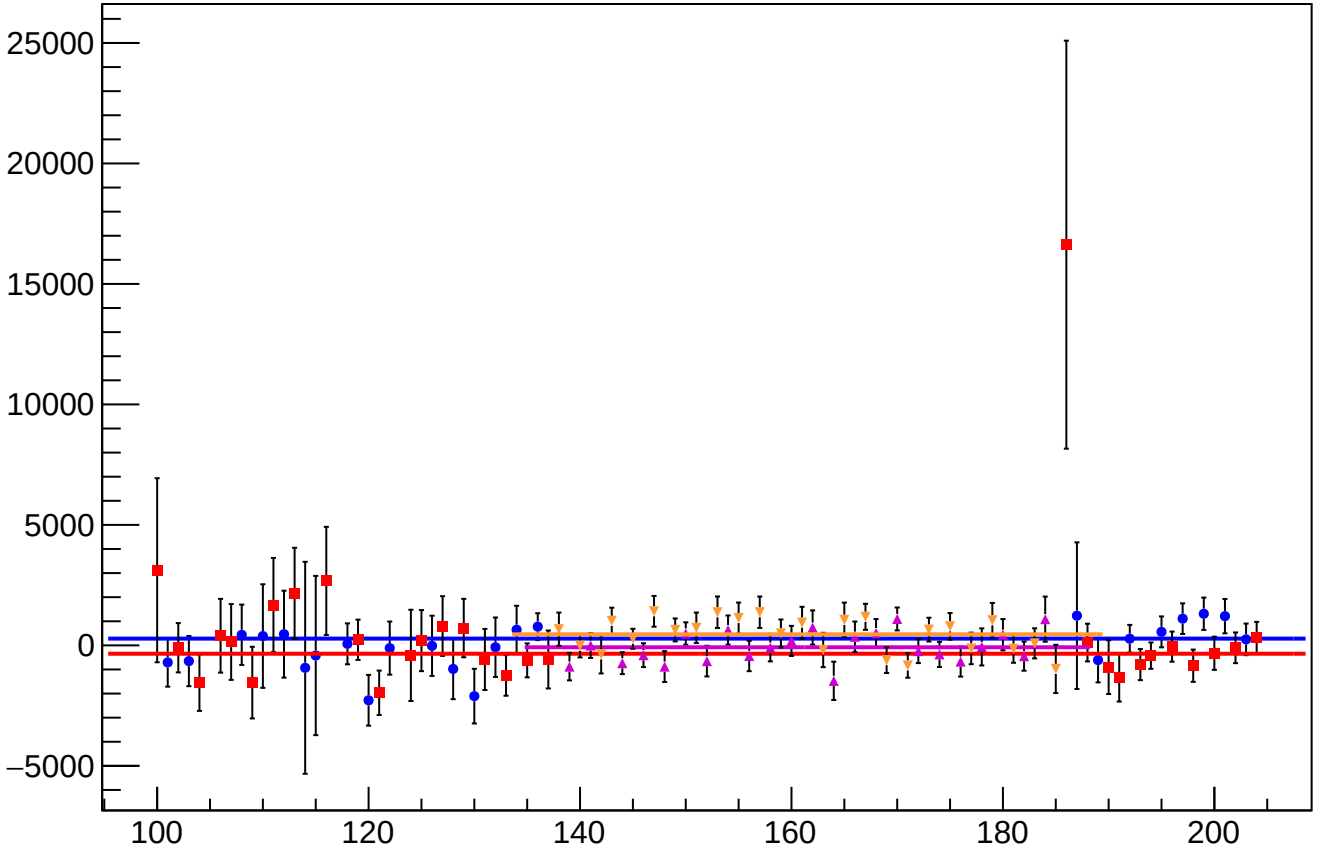
Right: 109.623+/-0.015 χ^2/NDF: 1744973.4/53

In: 102.497+/-0.013 χ^2/NDF:1778710.9/46

Out: 103.282+/-0.013 χ^2/NDF:2474141.1/54

All: 102.905+/-0.009 χ^2/NDF: 4254698.9/101

asym_sam_26_48_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 280.699+/-185.679 χ^2/NDF: 21.5/23

Left Out: 459.092+/-118.111 χ^2/NDF:30.8/24

Right Out: -346.873+/-170.869 χ^2/NDF: 22.4/29

Left In: -78.791+/-121.436 χ^2/NDF:26.2/22

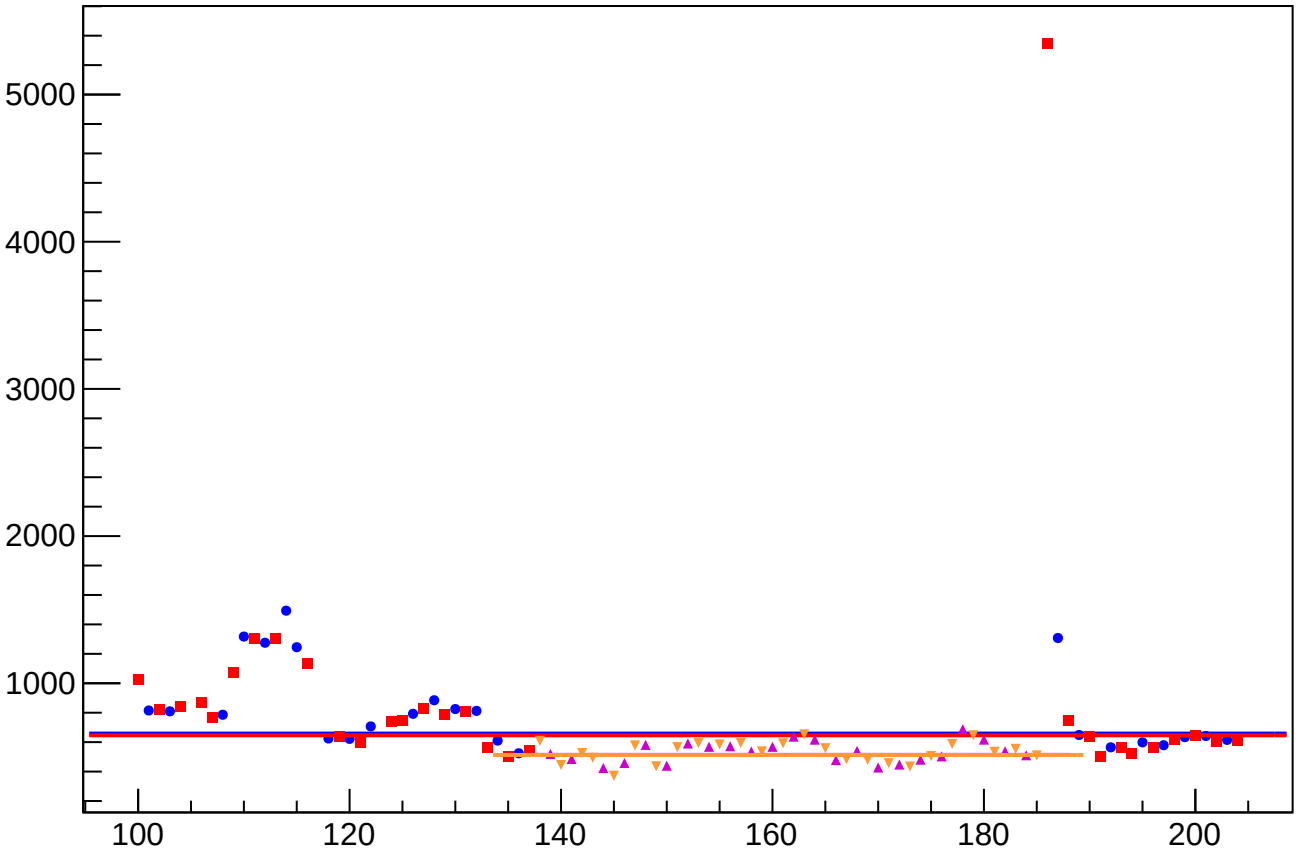
Left: 197.616+/-84.668 χ^2/NDF: 67.1/47

Right: -59.110+/-125.733 χ^2/NDF: 50.1/53

In: 28.908+/-101.631 χ^2/NDF:50.4/46

Out: 198.504+/-97.159 χ^2/NDF:68.2/54

All: 117.520+/-70.229 χ^2/NDF: 120.1/101



Right In: 658.065+/-0.131 χ^2/NDF: 1165790.6/23

Left Out: 512.768+/-0.084 χ^2/NDF:799239.0/24

Right Out: 646.536+/-0.121 χ^2/NDF: 2045194.4/29

Left In: 513.374+/-0.086 χ^2/NDF:633997.9/22

Left: 513.063+/-0.060 χ^2/NDF: 1433262.5/47

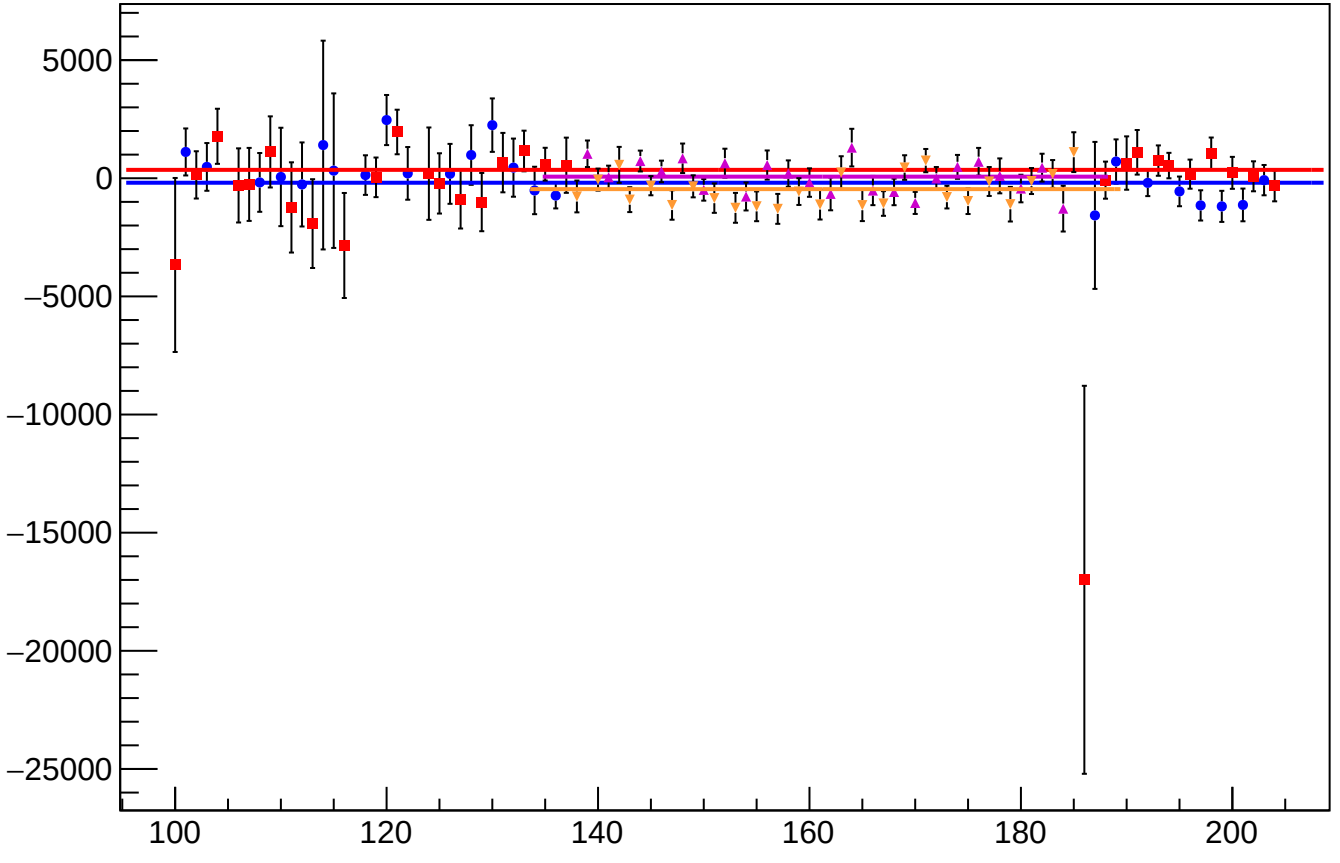
Right: 651.822+/-0.089 χ^2/NDF: 3215160.0/53

In: 556.722+/-0.072 χ^2/NDF:2650414.4/46

Out: 556.019+/-0.069 χ^2/NDF:3673882.5/54

All: 556.355+/-0.050 χ^2/NDF: 6324347.0/101

asym_sam_26_48_dd_mean vs Slug, Sign Corrected



Right In: -189.567+/-183.335 χ^2/NDF: 23.7/23

Left Out: -459.862+/-114.233 χ^2/NDF:30.8/24

Right Out: 355.417+/-169.906 χ^2/NDF: 22.5/29

Left In: 68.043+/-117.366 χ^2/NDF:28.6/22

Left: -203.051+/-81.860 χ^2/NDF: 69.8/47

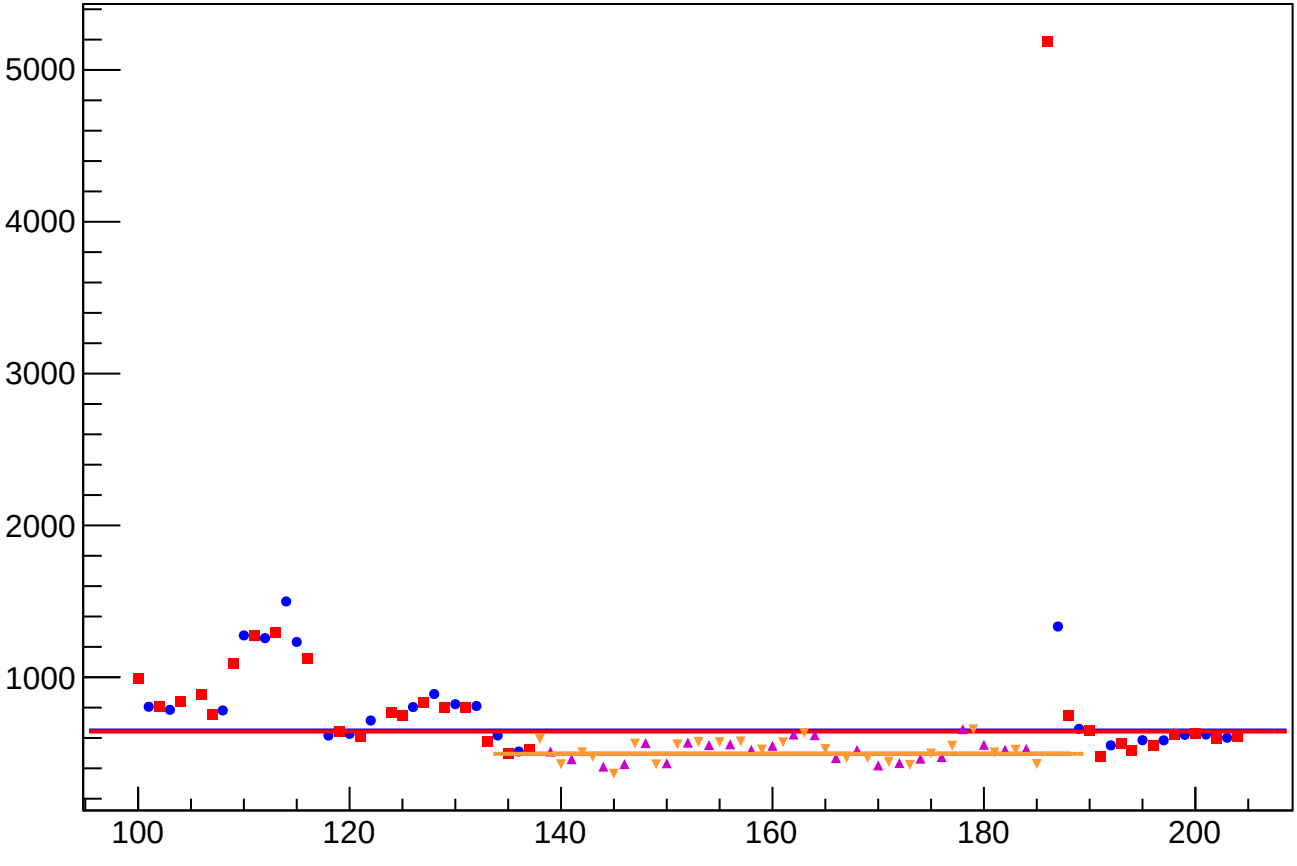
Right: 103.614+/-124.619 χ^2/NDF: 50.9/53

In: -6.842+/-98.846 χ^2/NDF:53.7/46

Out: -206.060+/-94.799 χ^2/NDF:69.2/54

All: -110.613+/-68.419 χ^2/NDF: 125.0/101

asym_sam_26_48_dd_rms vs Slug, Sign Corrected



Right In: 649.083+/-0.130 χ^2/NDF: 1205310.8/23

Left Out: 495.514+/-0.081 χ^2/NDF:804659.4/24

Right Out: 642.169+/-0.120 χ^2/NDF: 2088765.1/29

Left In: 496.307+/-0.083 χ^2/NDF:622356.2/22

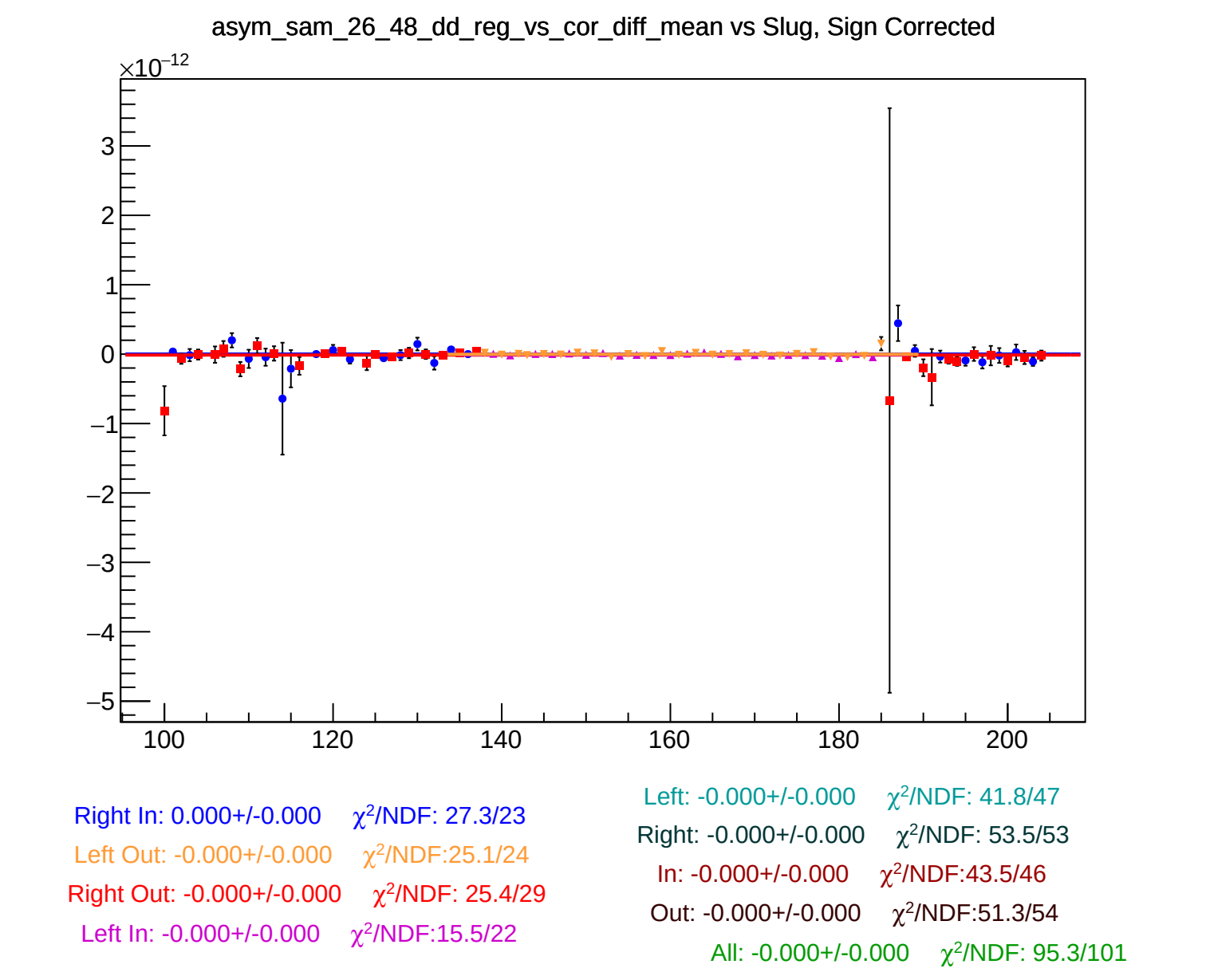
Left: 495.900+/-0.058 χ^2/NDF: 1427062.5/47

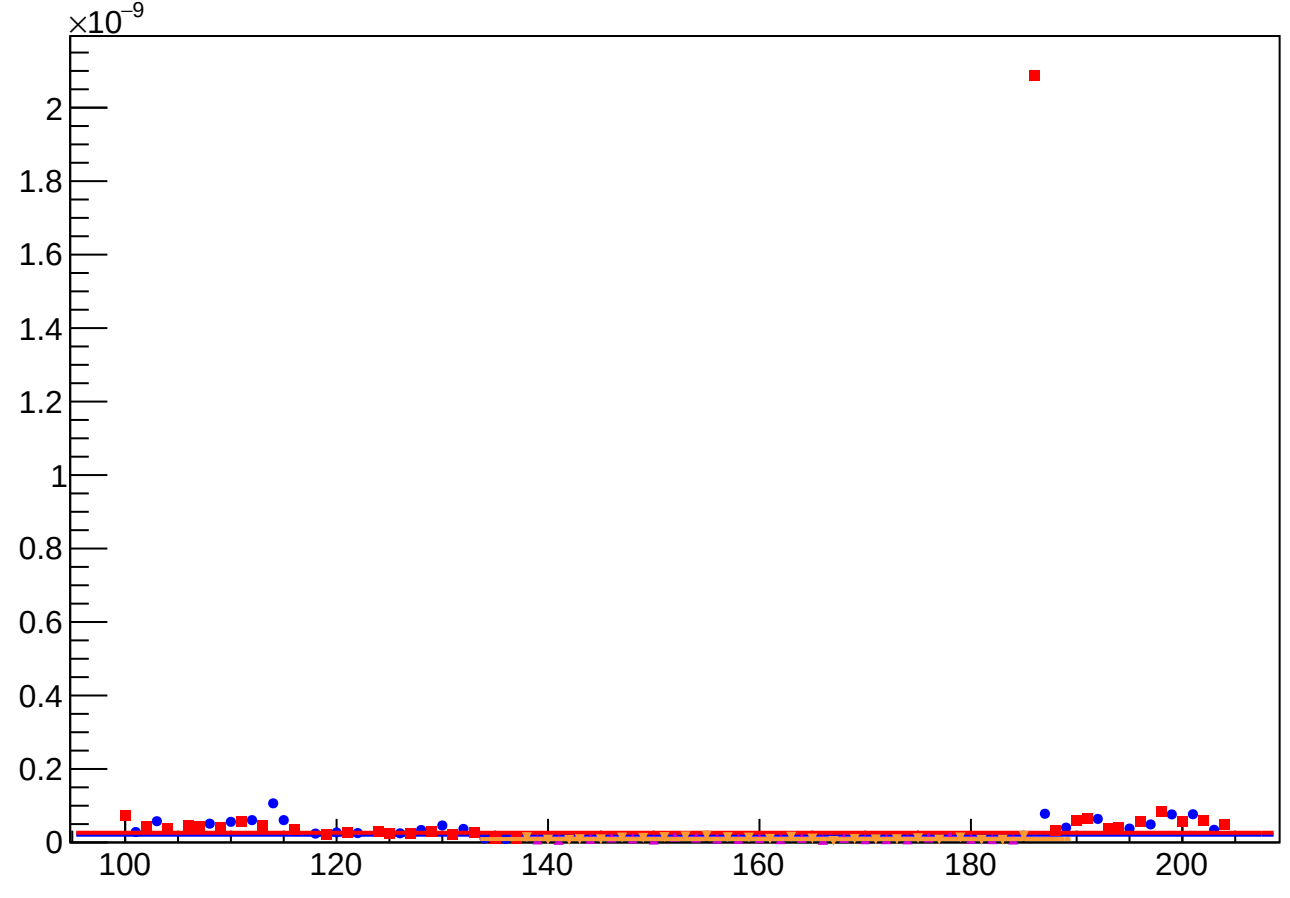
Right: 645.364+/-0.088 χ^2/NDF: 3295606.0/53

In: 540.718+/-0.070 χ^2/NDF:2812776.0/46

Out: 541.169+/-0.067 χ^2/NDF:3919629.9/54

All: 540.953+/-0.048 χ^2/NDF: 6732427.6/101


asym_sam_26_48_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
3
2
1
0
−1
−2
−3
−4
−5
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 27.3/23
Left Out: -0.000+/-0.000 χ²/NDF:25.1/24
Right Out: -0.000+/-0.000 χ²/NDF: 25.4/29
Left In: -0.000+/-0.000 χ²/NDF:15.5/22
Left: -0.000+/-0.000 χ²/NDF: 41.8/47
Right: -0.000+/-0.000 χ²/NDF: 53.5/53
In: -0.000+/-0.000 χ²/NDF:43.5/46
Out: -0.000+/-0.000 χ²/NDF:51.3/54
All: -0.000+/-0.000 χ²/NDF: 95.3/101



Right In: 0.000+/-0.000 χ^2/NDF: 4701558.7/23

Left Out: 0.000+/-0.000 χ^2/NDF:1832944.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4025123.5/29

Left In: 0.000+/-0.000 χ^2/NDF:622904.8/22

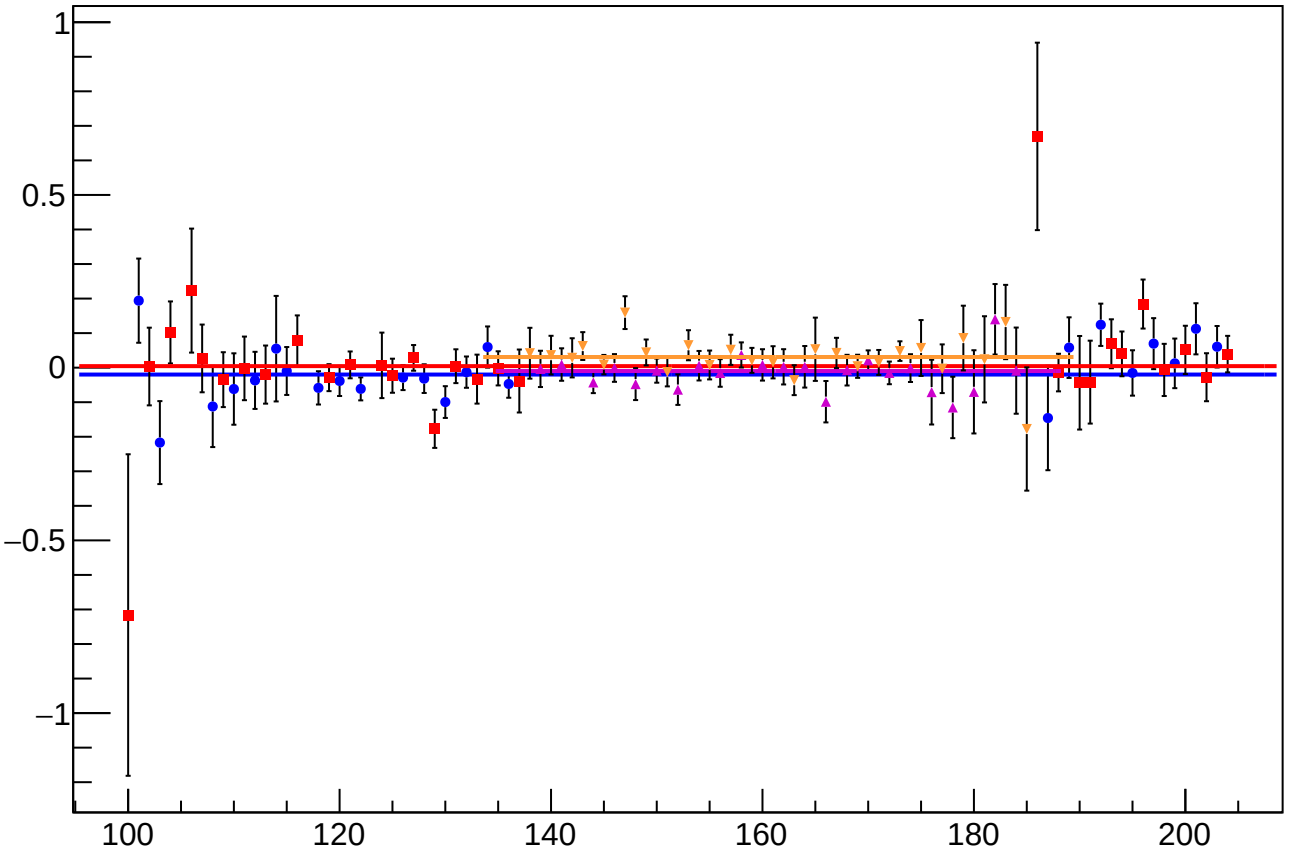
Left: 0.000+/-0.000 χ^2/NDF: 2476959.3/47

Right: 0.000+/-0.000 χ^2/NDF: 8945602.7/53

In: 0.000+/-0.000 χ^2/NDF:7271562.1/46

Out: 0.000+/-0.000 χ^2/NDF:9659016.3/54

All: 0.000+/-0.000 χ^2/NDF: 16941897.7/101



Right In: -0.020+/-0.012 χ^2/NDF: 28.3/23

Left Out: 0.031+/-0.009 χ^2/NDF:17.8/24

Right Out: 0.004+/-0.012 χ^2/NDF: 34.3/29

Left In: -0.010+/-0.009 χ^2/NDF:13.2/22

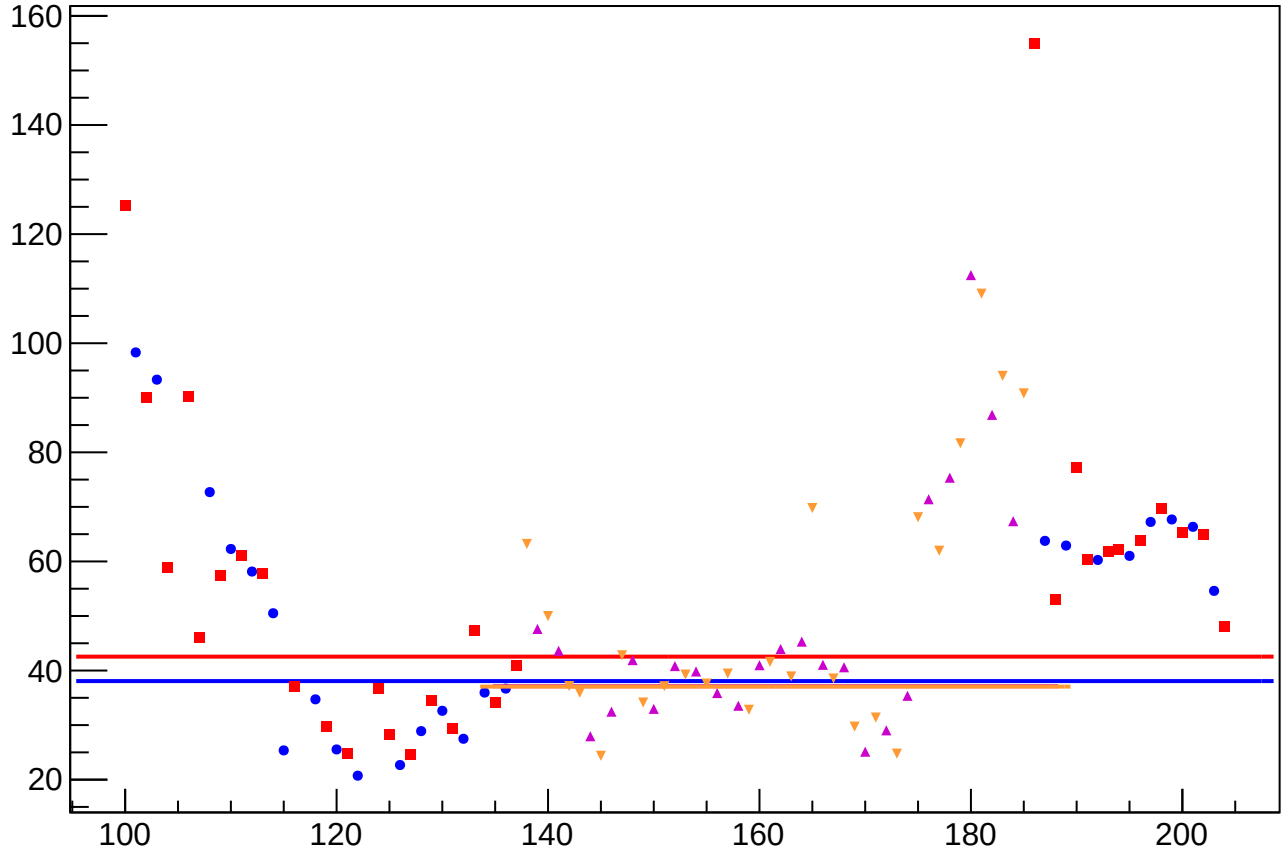
Left: 0.011+/-0.007 χ^2/NDF: 40.7/47

Right: -0.008+/-0.008 χ^2/NDF: 64.7/53

In: -0.014+/-0.007 χ^2/NDF:42.0/46

Out: 0.021+/-0.007 χ^2/NDF:55.2/54

All: 0.004+/-0.005 χ^2/NDF: 108.7/101



Right In: 38.069+/-0.008 χ^2/NDF: 4534360.8/23

Left Out: 37.057+/-0.006 χ^2/NDF:4053719.8/24

Right Out: 42.550+/-0.008 χ^2/NDF: 4192220.7/29

Left In: 37.127+/-0.007 χ^2/NDF:3012795.5/22

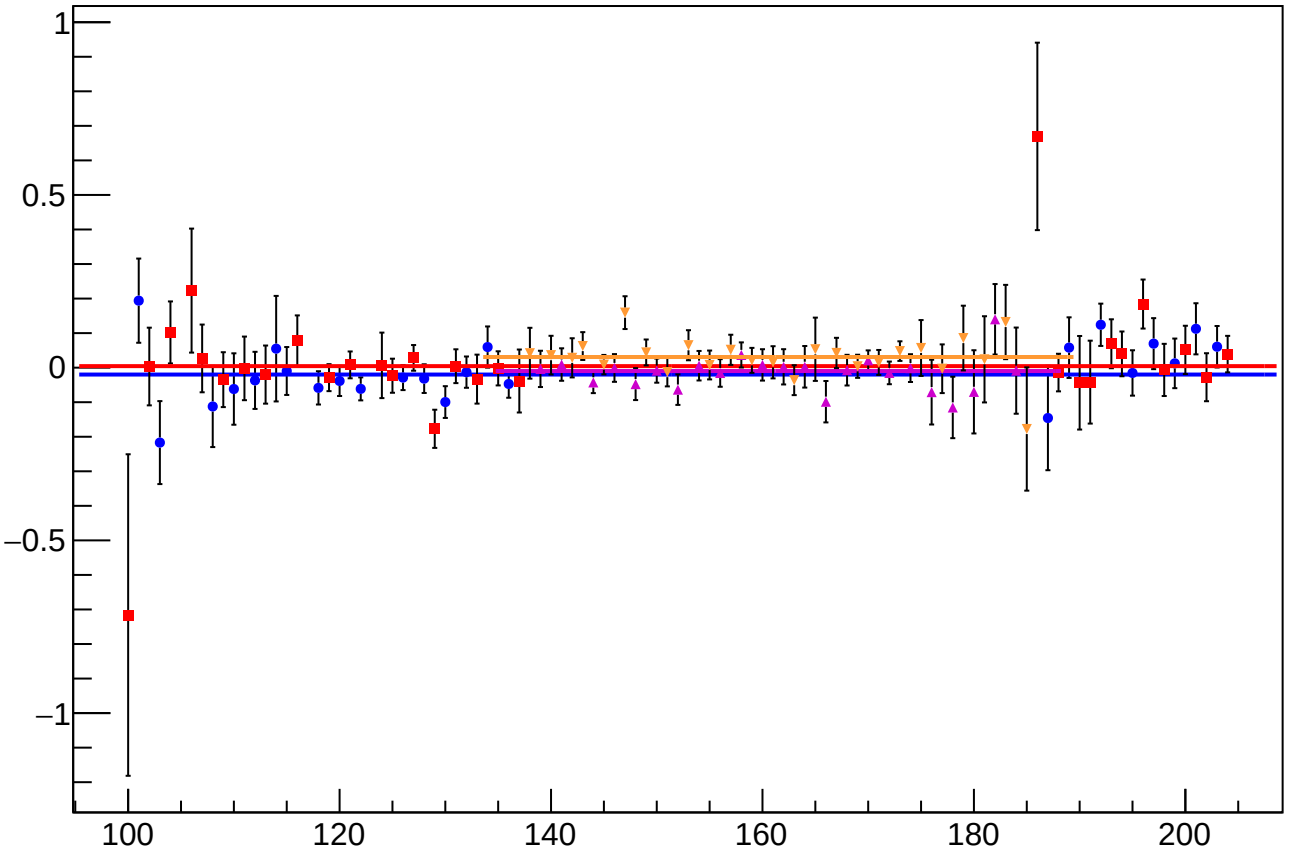
Left: 37.091+/-0.005 χ^2/NDF: 7066571.4/47

Right: 40.271+/-0.006 χ^2/NDF: 8870306.6/53

In: 37.494+/-0.005 χ^2/NDF:7555039.1/46

Out: 39.087+/-0.005 χ^2/NDF:8513655.9/54

All: 38.299+/-0.004 χ^2/NDF: 16116522.3/101



Right In: -0.020+/-0.012 χ^2/NDF: 28.3/23

Left Out: 0.031+/-0.009 χ^2/NDF:17.8/24

Right Out: 0.004+/-0.012 χ^2/NDF: 34.3/29

Left In: -0.010+/-0.009 χ^2/NDF:13.2/22

Left: 0.011+/-0.007 χ^2/NDF: 40.7/47

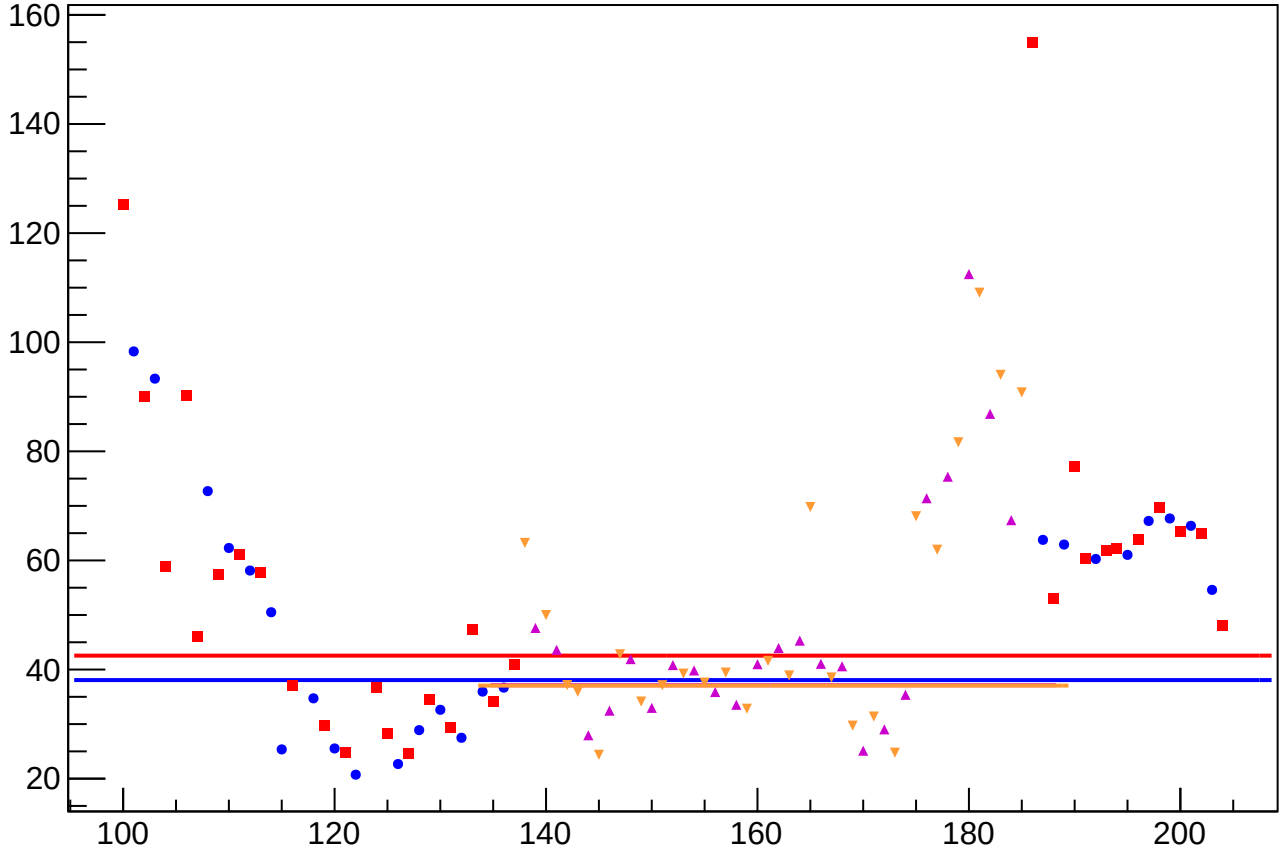
Right: -0.008+/-0.008 χ^2/NDF: 64.7/53

In: -0.014+/-0.007 χ^2/NDF:42.0/46

Out: 0.021+/-0.007 χ^2/NDF:55.2/54

All: 0.004+/-0.005 χ^2/NDF: 108.7/101

asym_sam_26_48_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 38.069+/-0.008 χ^2/NDF: 4534360.8/23

Left Out: 37.057+/-0.006 χ^2/NDF:4053719.8/24

Right Out: 42.550+/-0.008 χ^2/NDF: 4192220.7/29

Left In: 37.127+/-0.007 χ^2/NDF:3012795.5/22

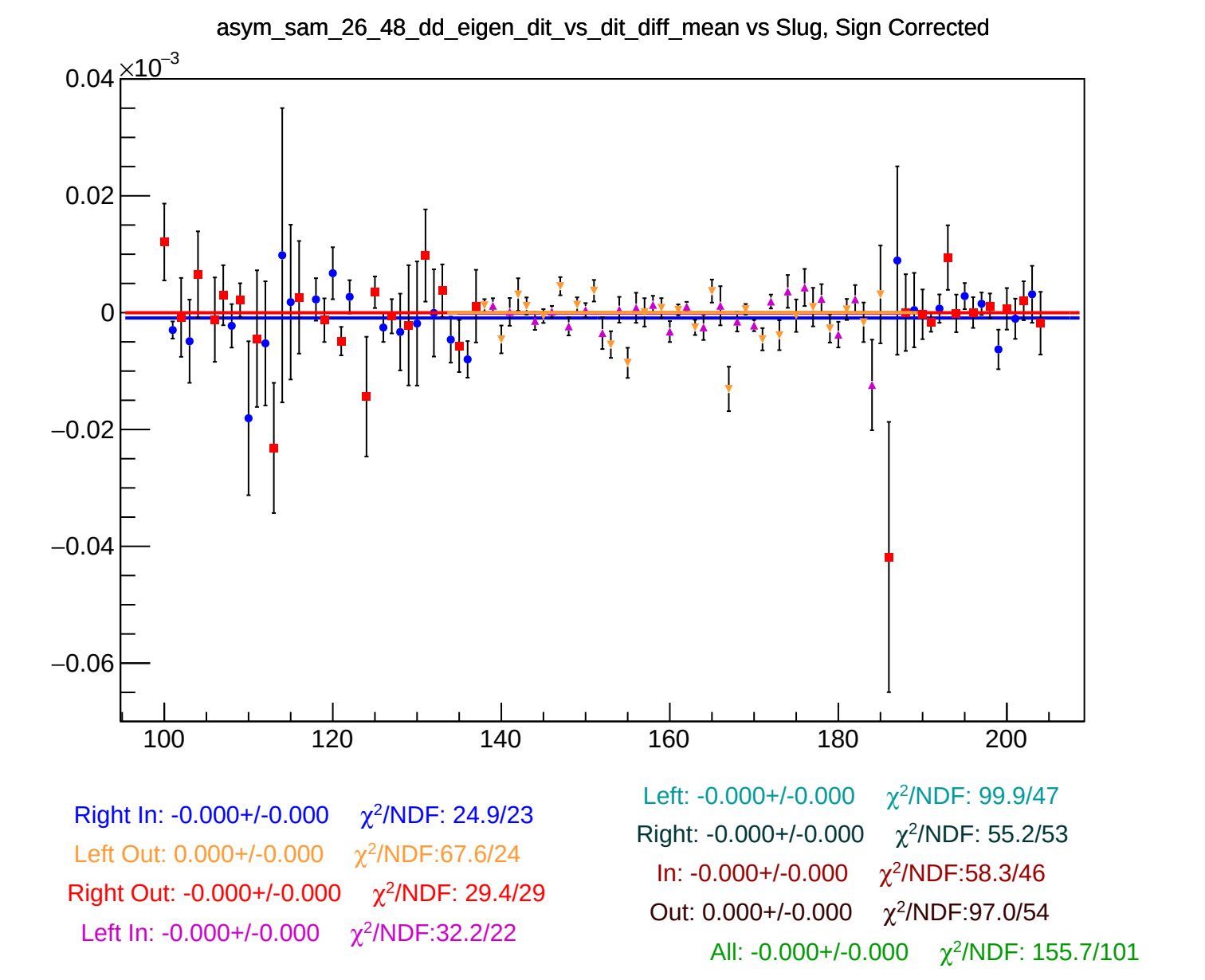
Left: 37.091+/-0.005 χ^2/NDF: 7066571.4/47

Right: 40.271+/-0.006 χ^2/NDF: 8870306.6/53

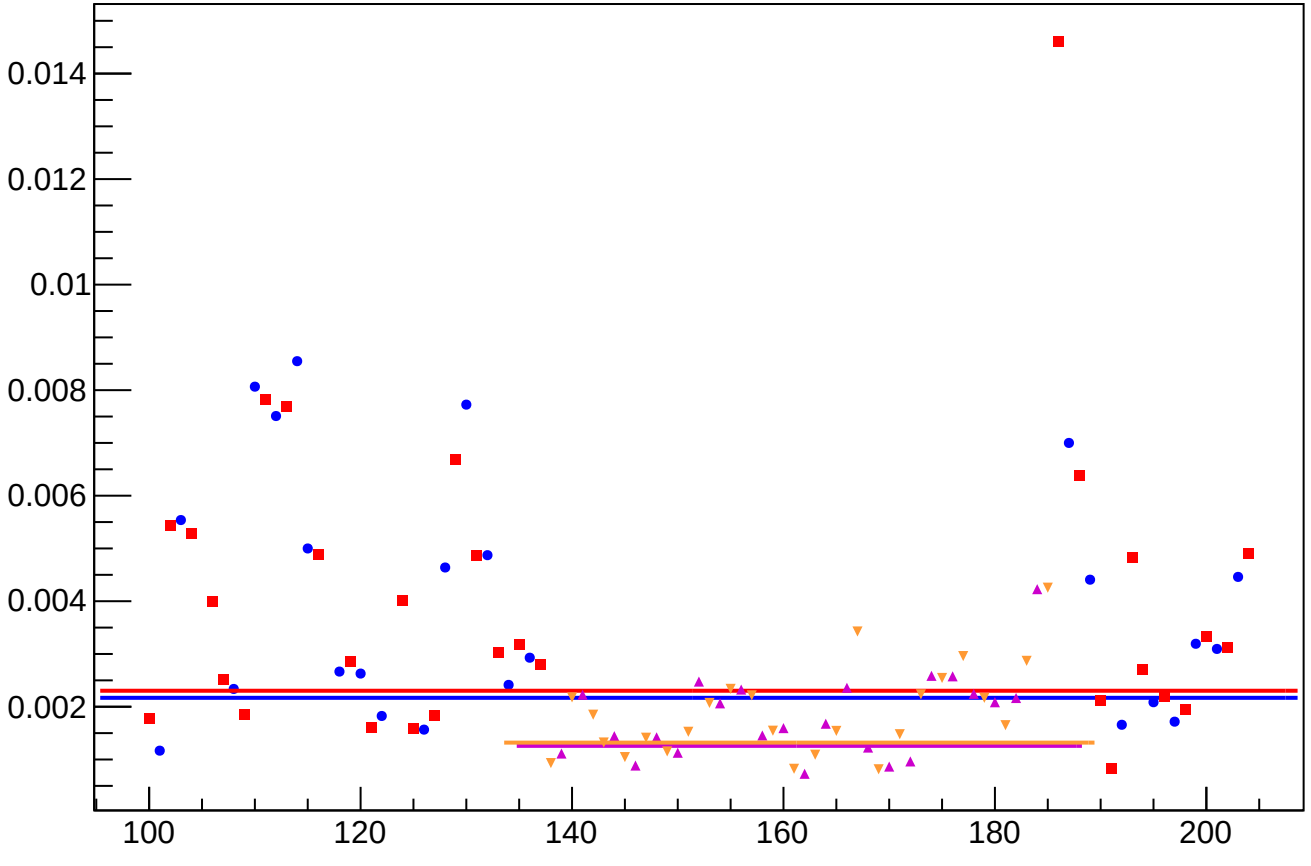
In: 37.494+/-0.005 χ^2/NDF:7555039.1/46

Out: 39.087+/-0.005 χ^2/NDF:8513655.9/54

All: 38.299+/-0.004 χ^2/NDF: 16116522.3/101


asym_sam_26_48_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.04
0.02
0
−0.02
−0.04
−0.06
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 24.9/23
Left Out: 0.000+/-0.000 χ²/NDF:67.6/24
Right Out: -0.000+/-0.000 χ²/NDF: 29.4/29
Left In: -0.000+/-0.000 χ²/NDF:32.2/22
Left: -0.000+/-0.000 χ²/NDF: 99.9/47
Right: -0.000+/-0.000 χ²/NDF: 55.2/53
In: -0.000+/-0.000 χ²/NDF:58.3/46
Out: 0.000+/-0.000 χ²/NDF:97.0/54
All: -0.000+/-0.000 χ²/NDF: 155.7/101

asym_sam_26_48_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 5336434.6/23

Left Out: 0.001+/-0.000 χ^2/NDF:5632532.9/24

Right Out: 0.002+/-0.000 χ^2/NDF: 7404990.5/29

Left In: 0.001+/-0.000 χ^2/NDF:5369001.1/22

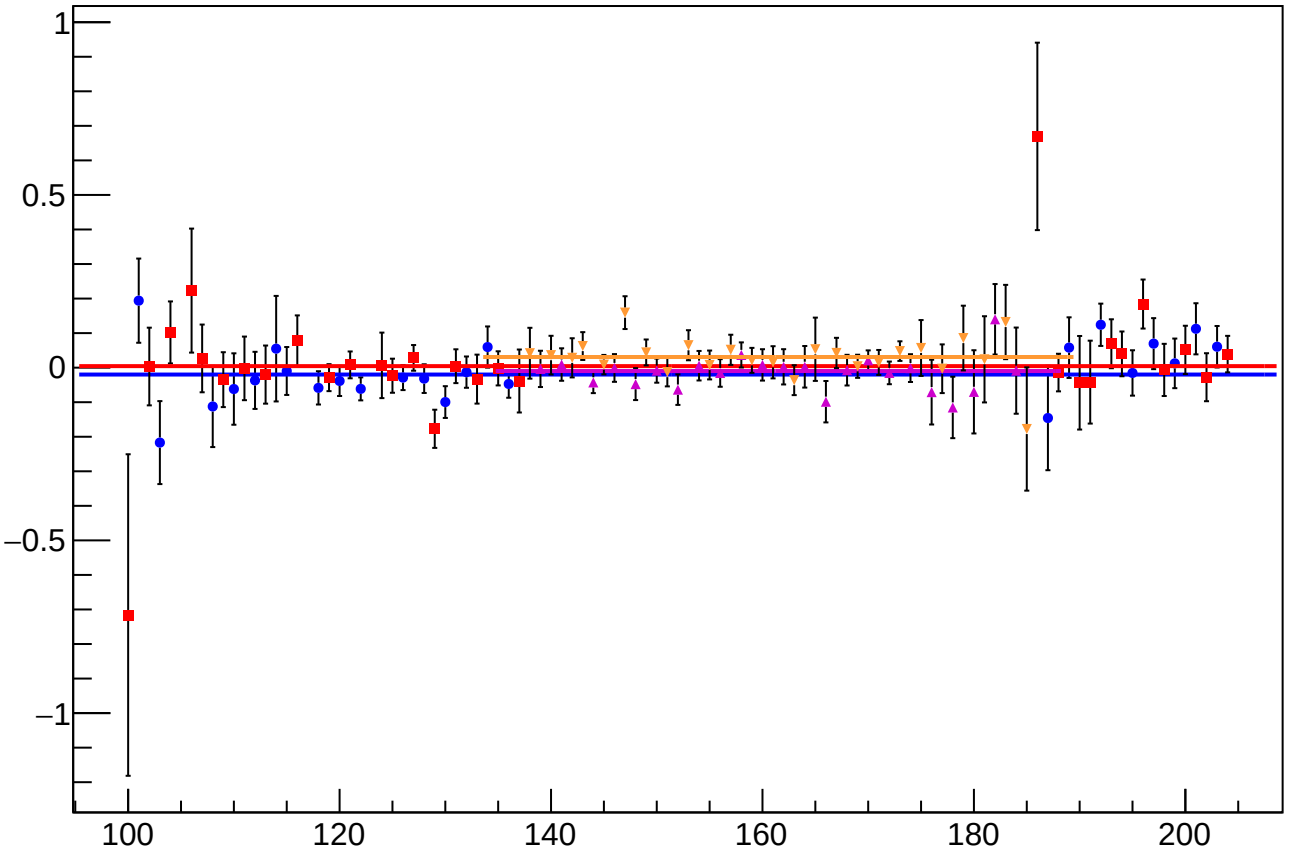
Left: 0.001+/-0.000 χ^2/NDF: 11036327.2/47

Right: 0.002+/-0.000 χ^2/NDF: 12778834.0/53

In: 0.001+/-0.000 χ^2/NDF:13536138.9/46

Out: 0.002+/-0.000 χ^2/NDF:16298703.6/54

All: 0.001+/-0.000 χ^2/NDF: 29900578.0/101



Right In: -0.020+/-0.012 χ^2/NDF: 28.3/23

Left Out: 0.031+/-0.009 χ^2/NDF:17.8/24

Right Out: 0.004+/-0.012 χ^2/NDF: 34.3/29

Left In: -0.010+/-0.009 χ^2/NDF:13.2/22

Left: 0.011+/-0.007 χ^2/NDF: 40.7/47

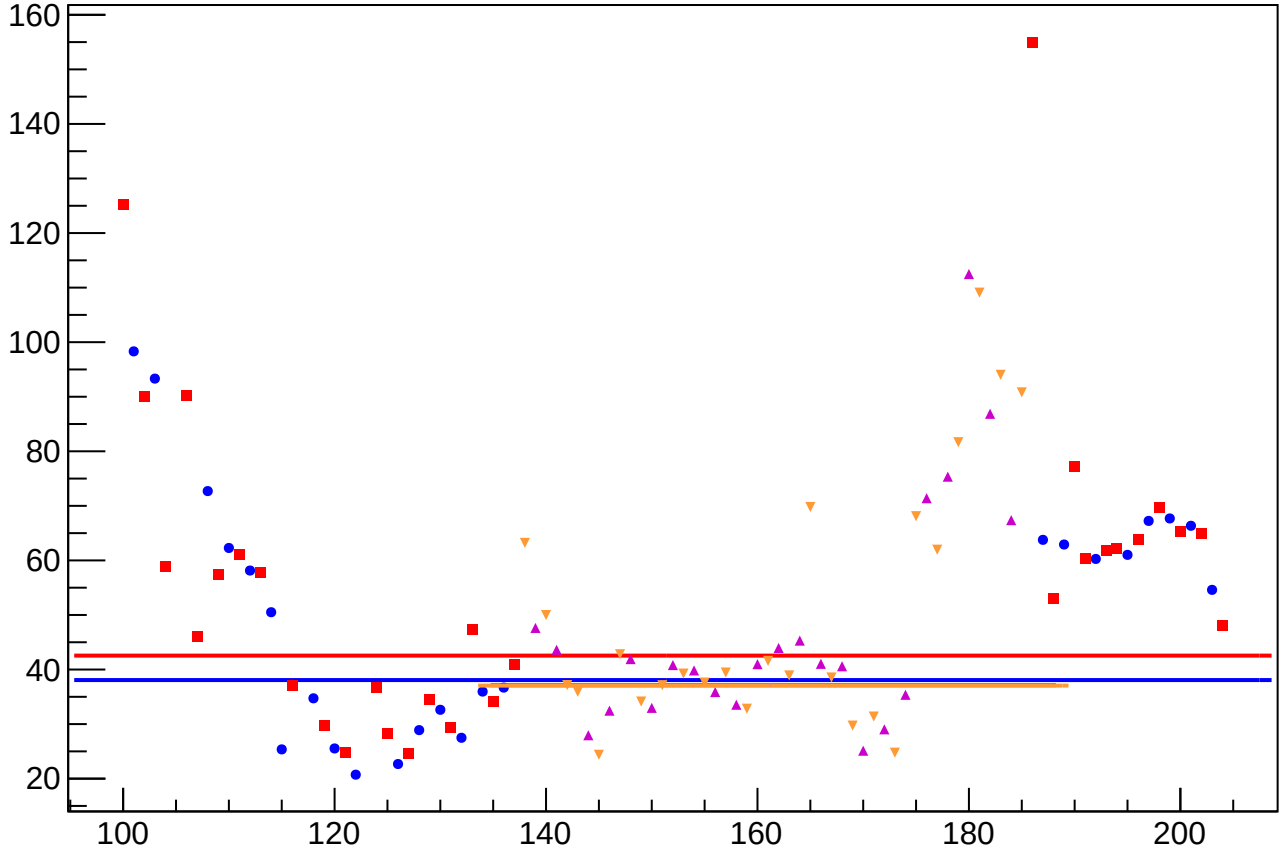
Right: -0.008+/-0.008 χ^2/NDF: 64.7/53

In: -0.014+/-0.007 χ^2/NDF:42.0/46

Out: 0.021+/-0.007 χ^2/NDF:55.2/54

All: 0.004+/-0.005 χ^2/NDF: 108.7/101

asym_sam_26_48_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 38.069+/-0.008 χ^2/NDF: 4534266.8/23

Left Out: 37.057+/-0.006 χ^2/NDF:4053728.9/24

Right Out: 42.550+/-0.008 χ^2/NDF: 4192019.9/29

Left In: 37.127+/-0.007 χ^2/NDF:3012767.1/22

Left: 37.091+/-0.005 χ^2/NDF: 7066552.1/47

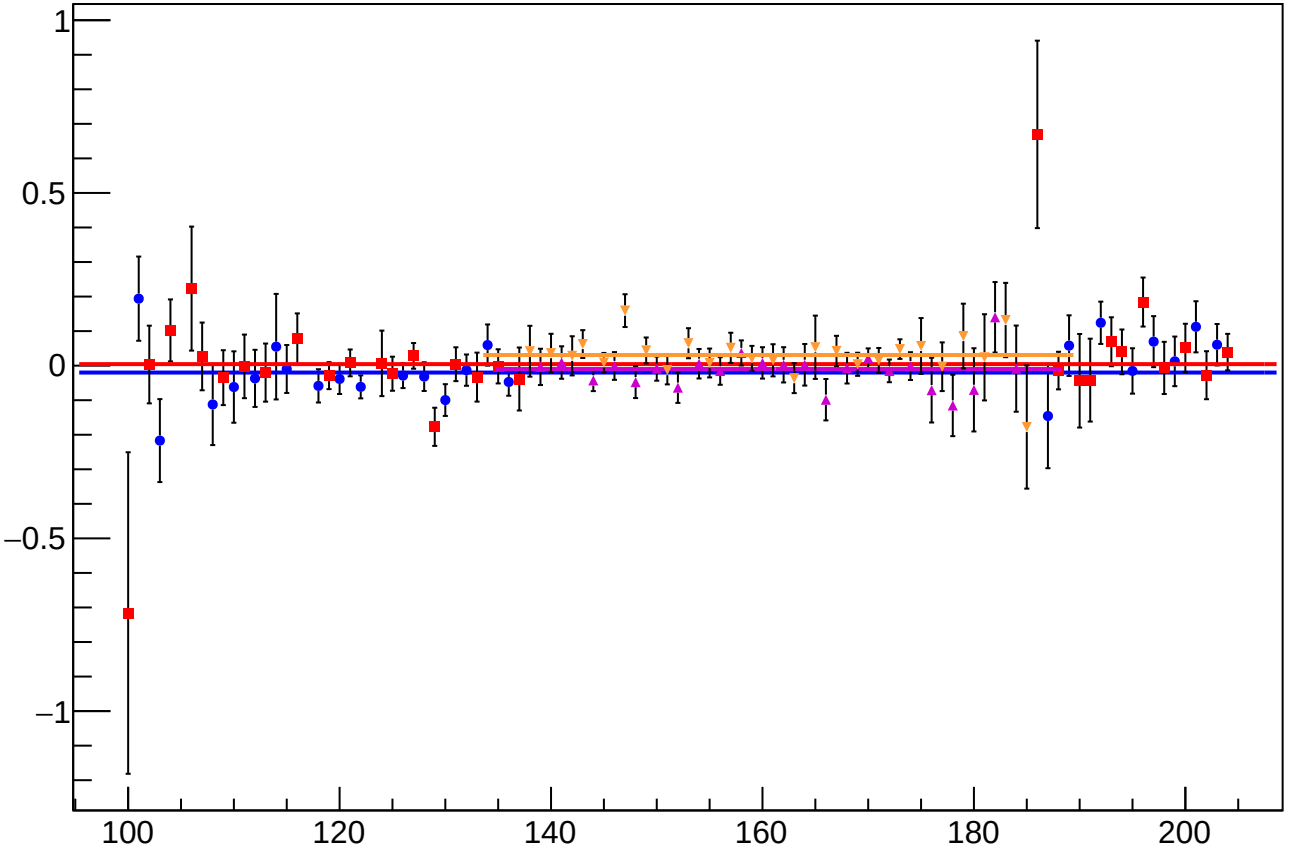
Right: 40.272+/-0.006 χ^2/NDF: 8870014.5/53

In: 37.495+/-0.005 χ^2/NDF:7554923.4/46

Out: 39.087+/-0.005 χ^2/NDF:8513506.9/54

All: 38.299+/-0.004 χ^2/NDF: 16116258.4/101

asym_sam_26_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.020+/-0.012 χ^2/NDF: 28.3/23

Left Out: 0.031+/-0.009 χ^2/NDF:17.8/24

Right Out: 0.004+/-0.012 χ^2/NDF: 34.3/29

Left In: -0.010+/-0.009 χ^2/NDF:13.2/22

Left: 0.011+/-0.007 χ^2/NDF: 40.7/47

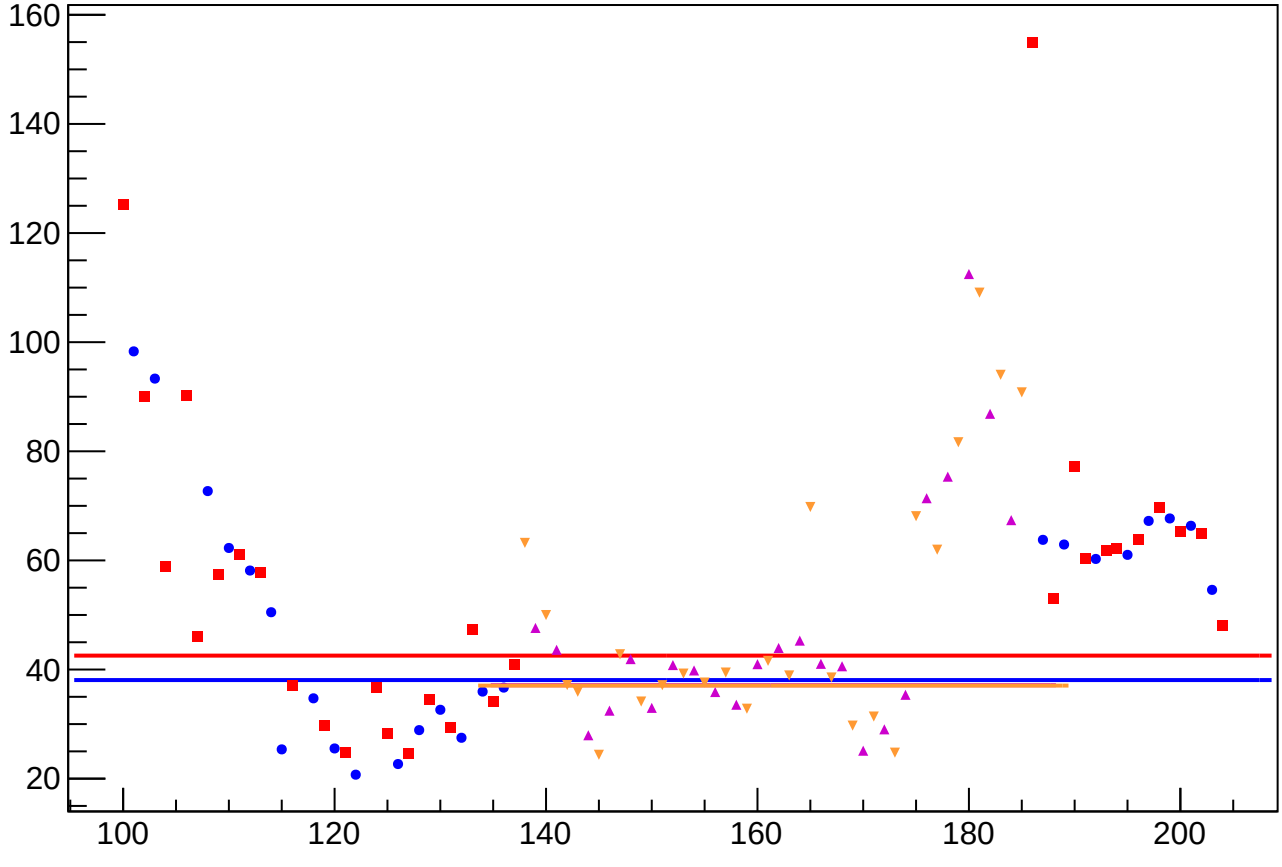
Right: -0.008+/-0.008 χ^2/NDF: 64.7/53

In: -0.014+/-0.007 χ^2/NDF:42.0/46

Out: 0.021+/-0.007 χ^2/NDF:55.2/54

All: 0.004+/-0.005 χ^2/NDF: 108.7/101

asym_sam_26_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 38.069+/-0.008 χ^2/NDF: 4534266.8/23

Left Out: 37.057+/-0.006 χ^2/NDF:4053728.9/24

Right Out: 42.550+/-0.008 χ^2/NDF: 4192019.9/29

Left In: 37.127+/-0.007 χ^2/NDF:3012767.1/22

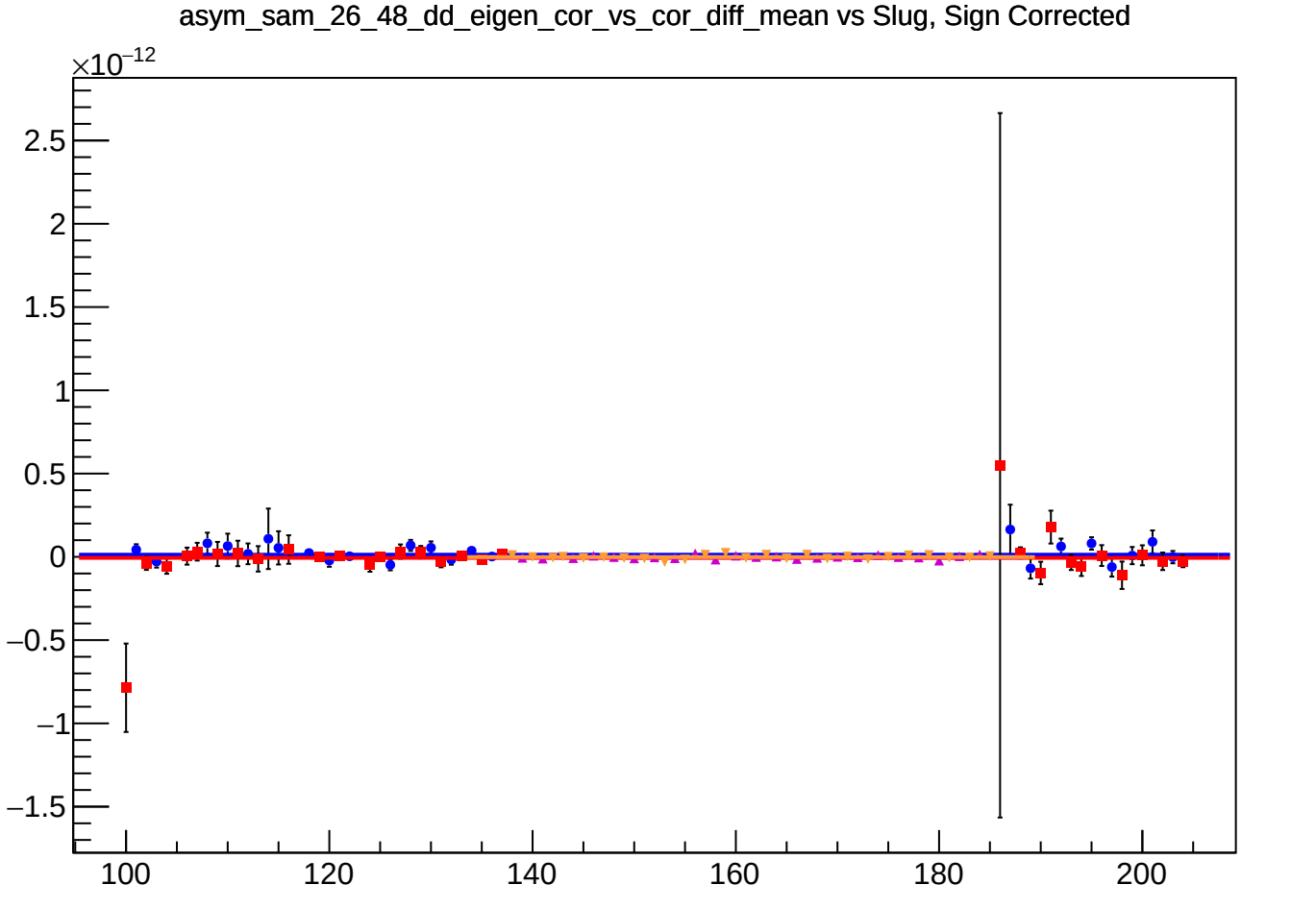
Left: 37.091+/-0.005 χ^2/NDF: 7066552.1/47

Right: 40.272+/-0.006 χ^2/NDF: 8870014.5/53

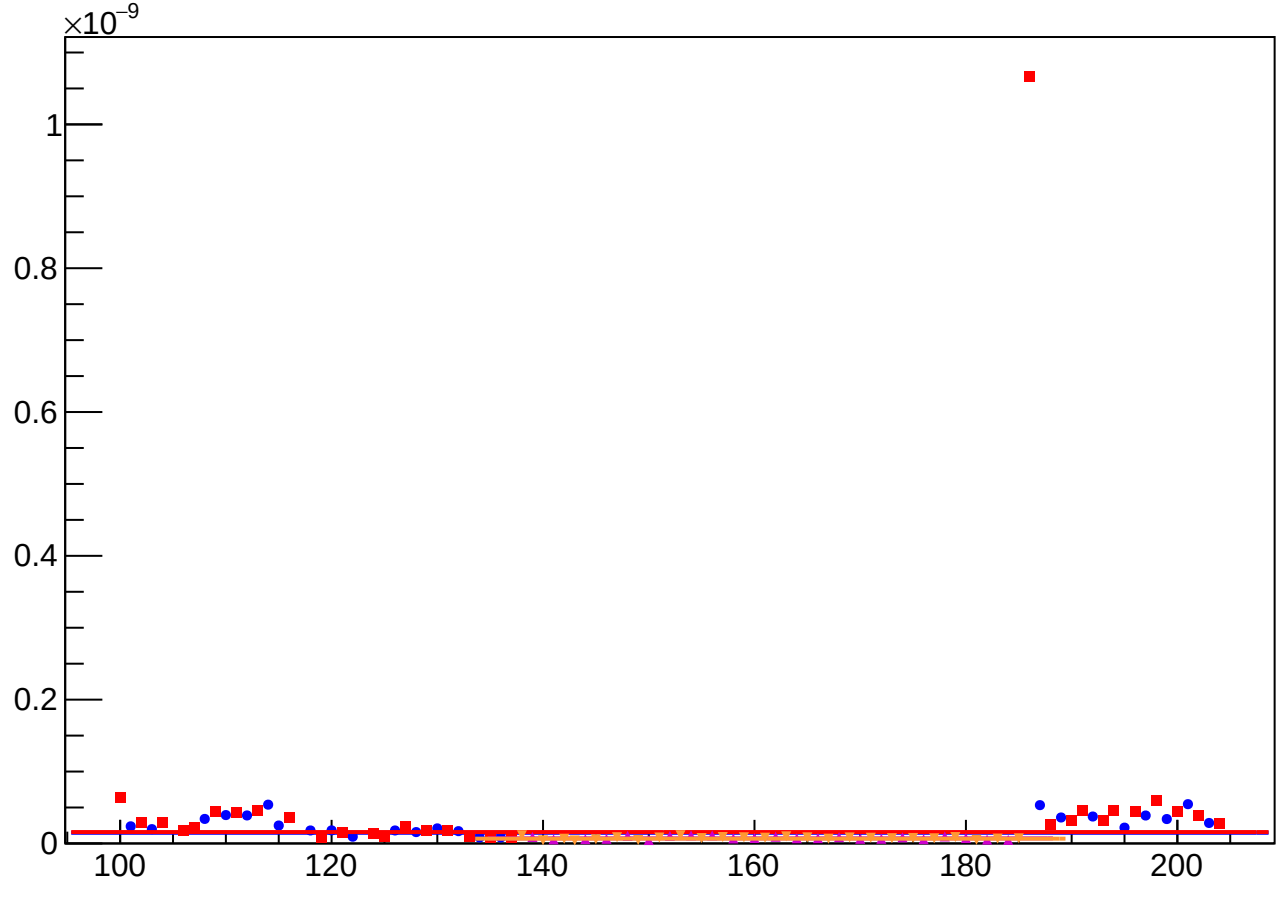
In: 37.495+/-0.005 χ^2/NDF:7554923.4/46

Out: 39.087+/-0.005 χ^2/NDF:8513506.9/54

All: 38.299+/-0.004 χ^2/NDF: 16116258.4/101


asym_sam_26_48_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
−1.5
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 27.2/23
Left Out: -0.000+/-0.000 χ²/NDF:26.0/24
Right Out: -0.000+/-0.000 χ²/NDF: 27.2/29
Left In: -0.000+/-0.000 χ²/NDF:20.6/22
Left: -0.000+/-0.000 χ²/NDF: 47.0/47
Right: 0.000+/-0.000 χ²/NDF: 59.2/53
In: -0.000+/-0.000 χ²/NDF:54.0/46
Out: -0.000+/-0.000 χ²/NDF:53.7/54
All: -0.000+/-0.000 χ²/NDF: 107.7/101

asym_sam_26_48_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 4882391.8/23

Left Out: 0.000+/-0.000 χ^2/NDF:1953818.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7121200.7/29

Left In: 0.000+/-0.000 χ^2/NDF:1431998.0/22

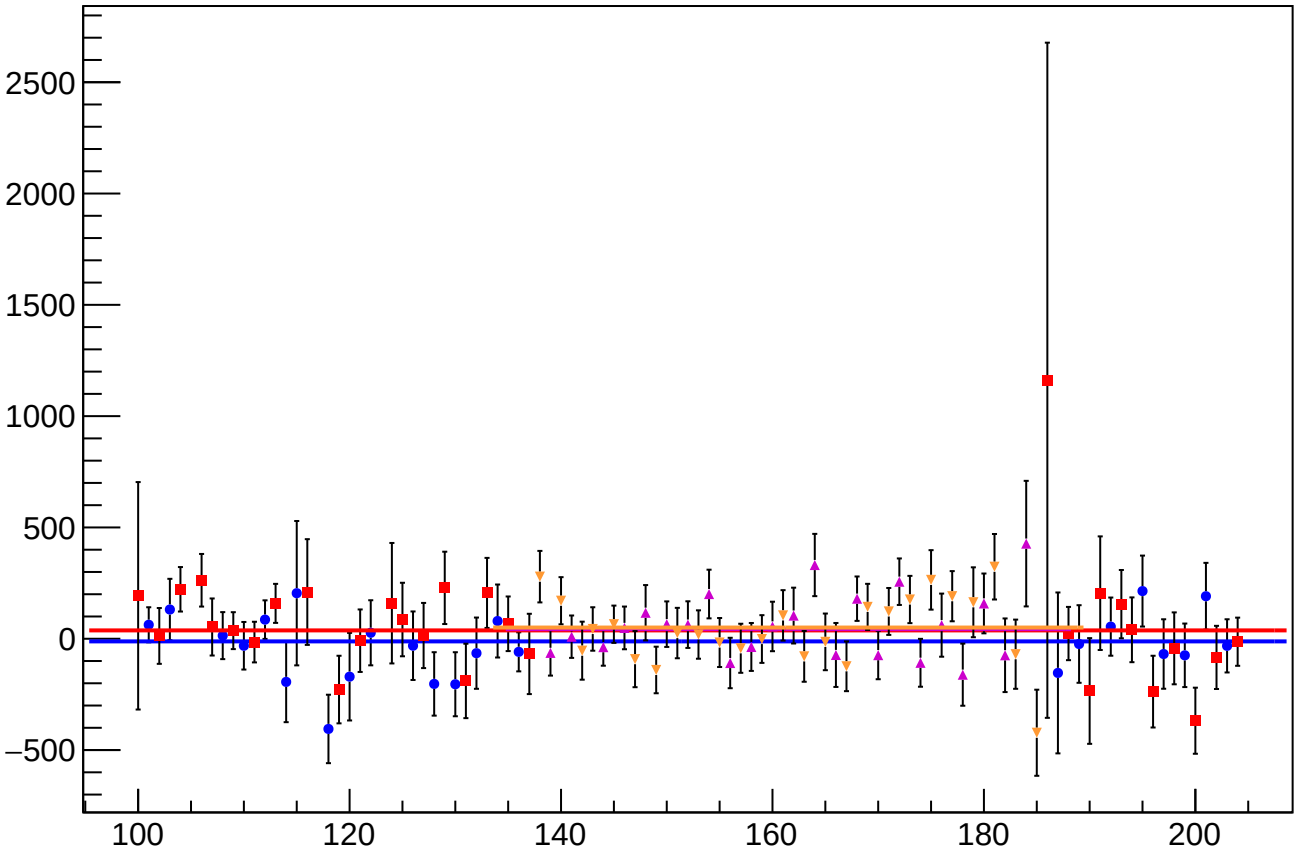
Left: 0.000+/-0.000 χ^2/NDF: 3428981.7/47

Right: 0.000+/-0.000 χ^2/NDF: 12029337.2/53

In: 0.000+/-0.000 χ^2/NDF:9259132.8/46

Out: 0.000+/-0.000 χ^2/NDF:13127768.4/54

All: 0.000+/-0.000 χ^2/NDF: 22432440.0/101



Right In: -11.866+/-27.031 χ^2/NDF: 21.0/23

Left Out: 50.314+/-22.958 χ^2/NDF:33.5/24

Right Out: 37.531+/-25.267 χ^2/NDF: 32.7/29

Left In: 43.026+/-23.758 χ^2/NDF:26.6/22

Left: 46.795+/-16.509 χ^2/NDF: 60.1/47

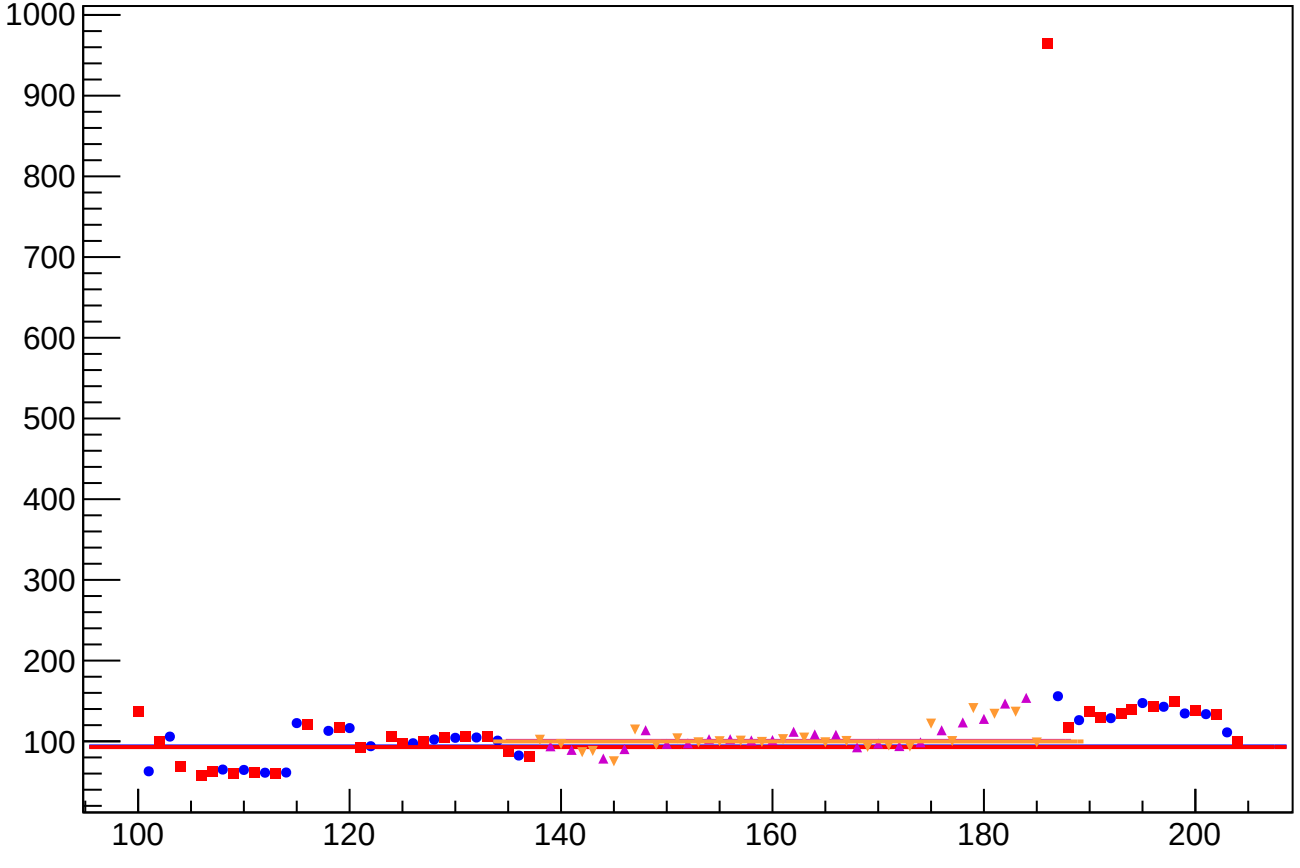
Right: 14.497+/-18.458 χ^2/NDF: 55.5/53

In: 19.102+/-17.845 χ^2/NDF:49.9/46

Out: 44.533+/-16.991 χ^2/NDF:66.3/54

All: 32.440+/-12.305 χ^2/NDF: 117.3/101

reg_asym_sam_1548_avg_rms vs Slug, Sign Corrected



Right In: 93.637+/-0.019 χ^2/NDF: 2151974.4/23

Left Out: 99.839+/-0.016 χ^2/NDF:697768.7/24

Right Out: 92.809+/-0.018 χ^2/NDF: 3409948.2/29

Left In: 100.498+/-0.017 χ^2/NDF:656850.1/22

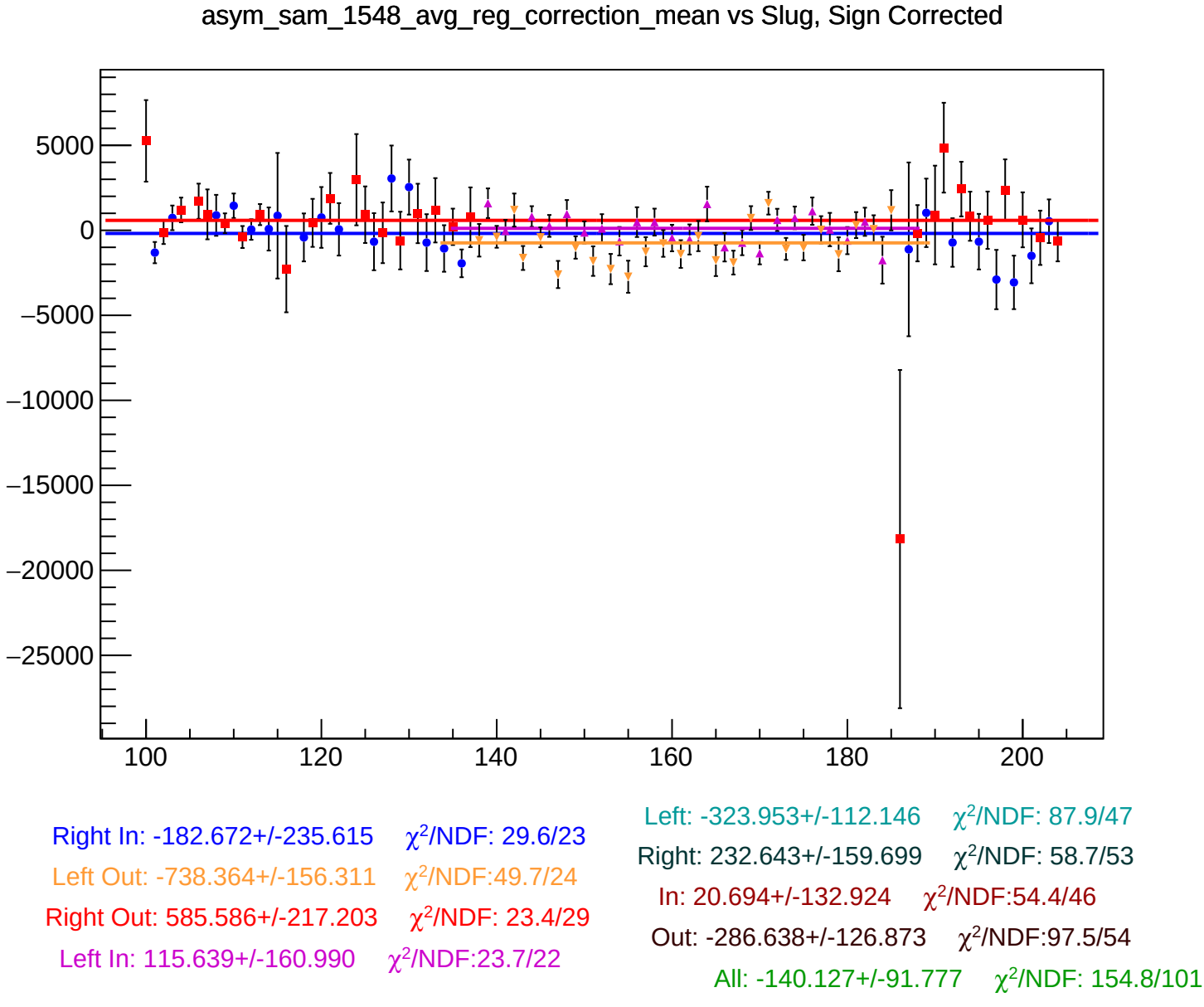
Left: 100.157+/-0.012 χ^2/NDF: 1355414.7/47

Right: 93.195+/-0.013 χ^2/NDF: 5562923.8/53

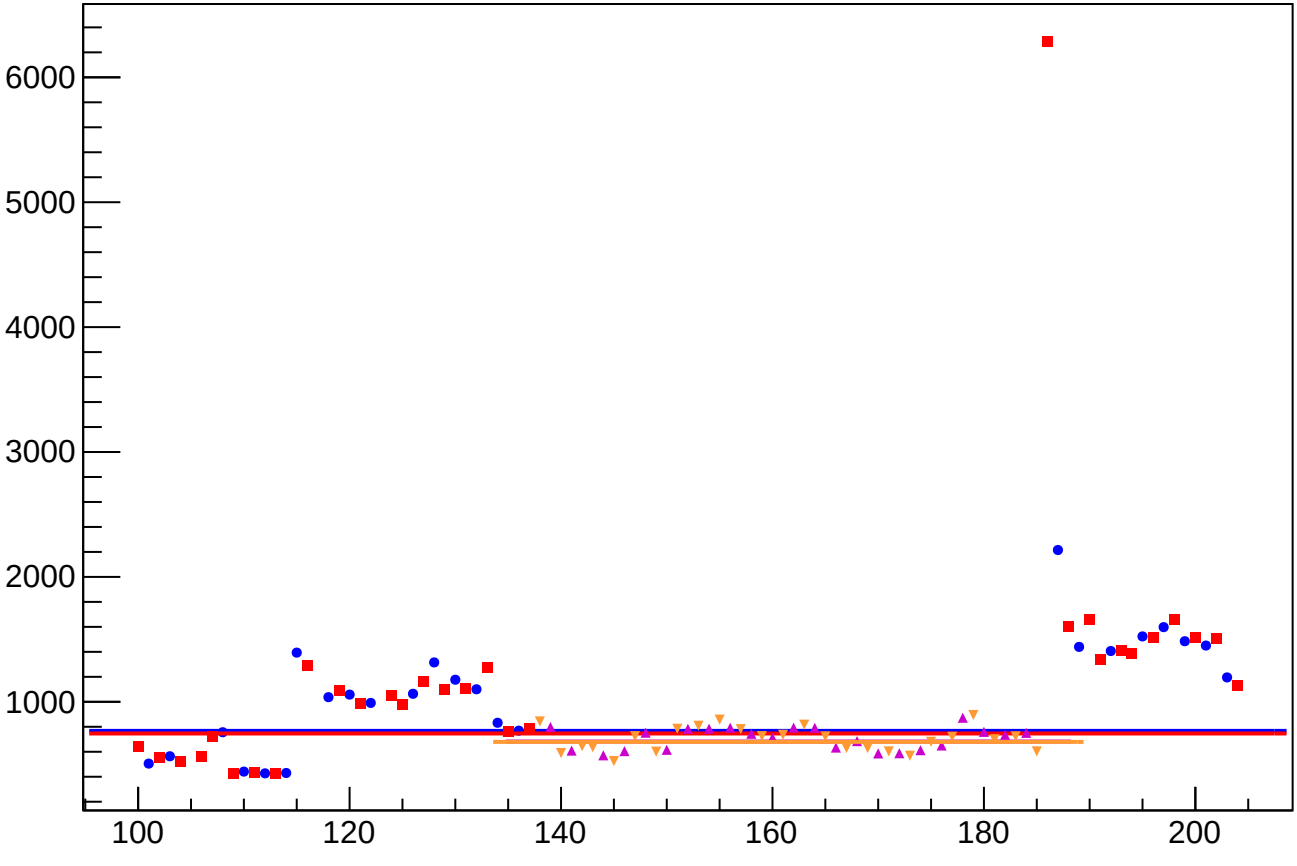
In: 97.508+/-0.013 χ^2/NDF:2881518.9/46

Out: 96.660+/-0.012 χ^2/NDF:4192524.0/54

All: 97.063+/-0.009 χ^2/NDF: 7076411.2/101


asym_sam_1548_avg_reg_correction_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
100
120
140
160
180
200
Right In: -182.672+/-235.615 χ²/NDF: 29.6/23
Left Out: -738.364+/-156.311 χ²/NDF:49.7/24
Right Out: 585.586+/-217.203 χ²/NDF: 23.4/29
Left In: 115.639+/-160.990 χ²/NDF:23.7/22
Left: -323.953+/-112.146 χ²/NDF: 87.9/47
Right: 232.643+/-159.699 χ²/NDF: 58.7/53
In: 20.694+/-132.924 χ²/NDF:54.4/46
Out: -286.638+/-126.873 χ²/NDF:97.5/54
All: -140.127+/-91.777 χ²/NDF: 154.8/101

asym_sam_1548_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 767.189+/-0.167 χ^2/NDF: 5016912.0/23

Left Out: 679.146+/-0.111 χ^2/NDF:737419.7/24

Right Out: 746.367+/-0.154 χ^2/NDF: 7015192.2/29

Left In: 681.893+/-0.114 χ^2/NDF:573812.4/22

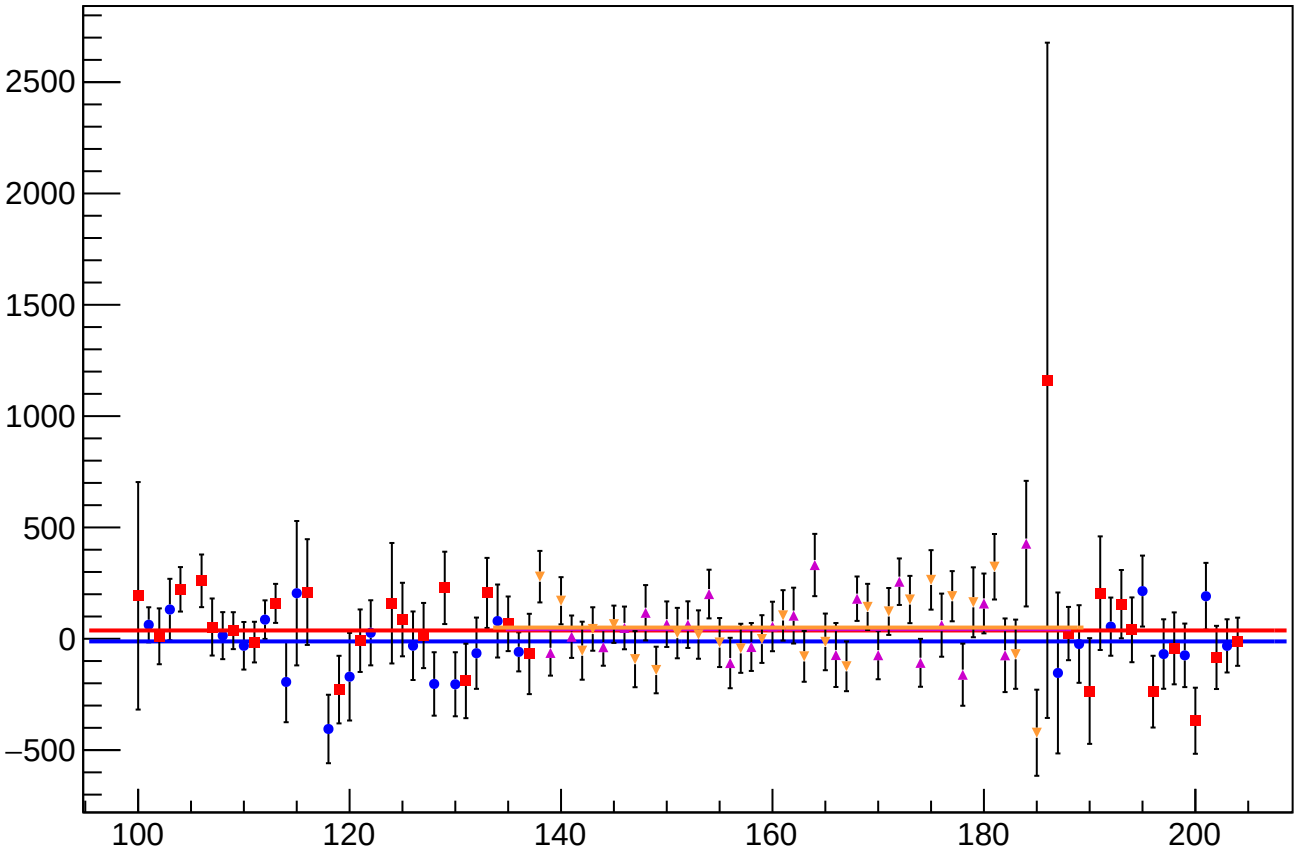
Left: 680.479+/-0.079 χ^2/NDF: 1311531.8/47

Right: 755.933+/-0.113 χ^2/NDF: 12040548.0/53

In: 709.041+/-0.094 χ^2/NDF:5769412.0/46

Out: 702.082+/-0.090 χ^2/NDF:7878813.9/54

All: 705.399+/-0.065 χ^2/NDF: 13651094.3/10



Right In: -11.868+/-27.031 χ^2/NDF: 21.0/23

Left Out: 50.322+/-22.958 χ^2/NDF:33.4/24

Right Out: 37.342+/-25.268 χ^2/NDF: 32.6/29

Left In: 43.026+/-23.758 χ^2/NDF:26.6/22

Left: 46.799+/-16.509 χ^2/NDF: 60.1/47

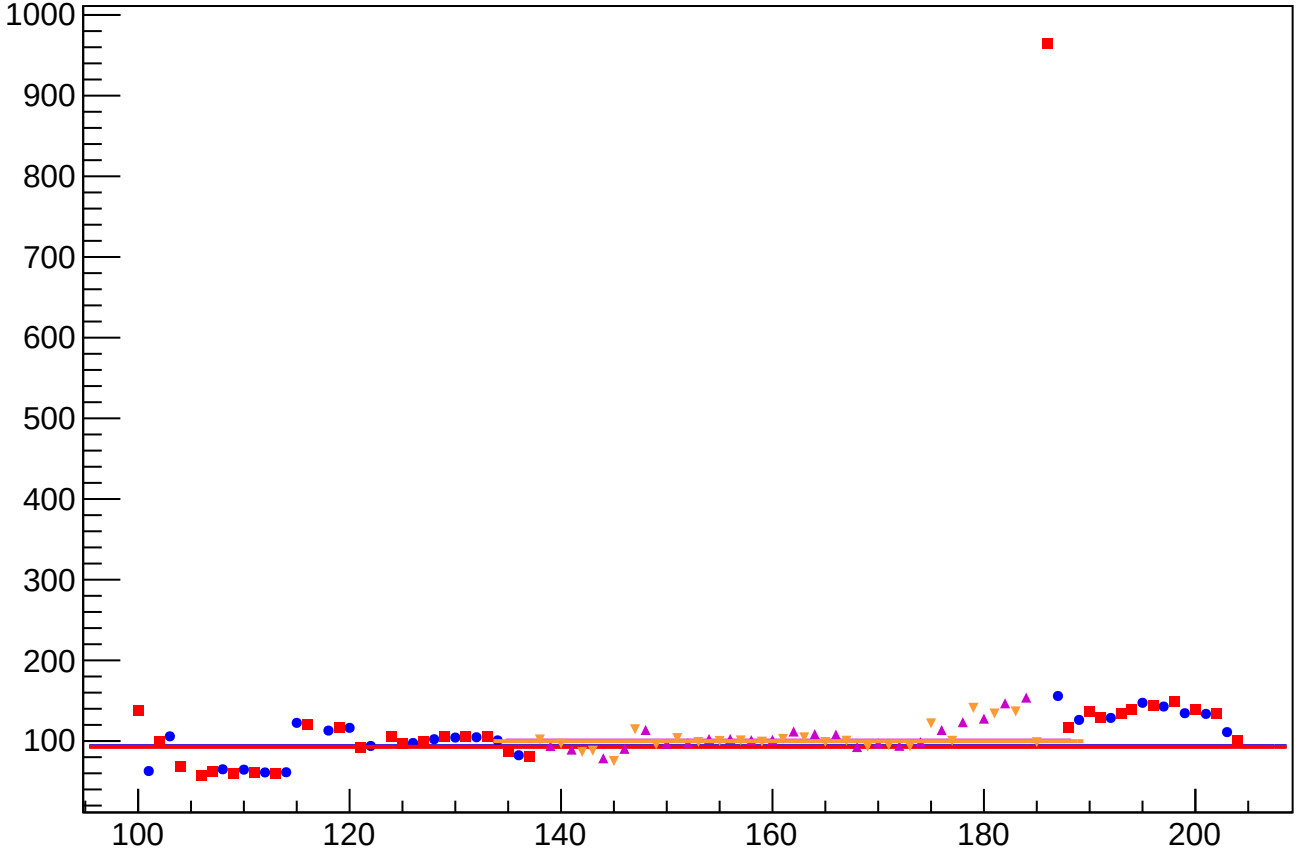
Right: 14.394+/-18.459 χ^2/NDF: 55.4/53

In: 19.102+/-17.845 χ^2/NDF:49.9/46

Out: 44.453+/-16.992 χ^2/NDF:66.2/54

All: 32.398+/-12.306 χ^2/NDF: 117.2/101

cor_asym_sam_1548_avg_rms vs Slug, Sign Corrected



Right In: 93.637+/-0.019 χ^2/NDF: 2151975.7/23

Left Out: 99.839+/-0.016 χ^2/NDF:697768.8/24

Right Out: 92.797+/-0.018 χ^2/NDF: 3413236.7/29

Left In: 100.498+/-0.017 χ^2/NDF:656850.1/22

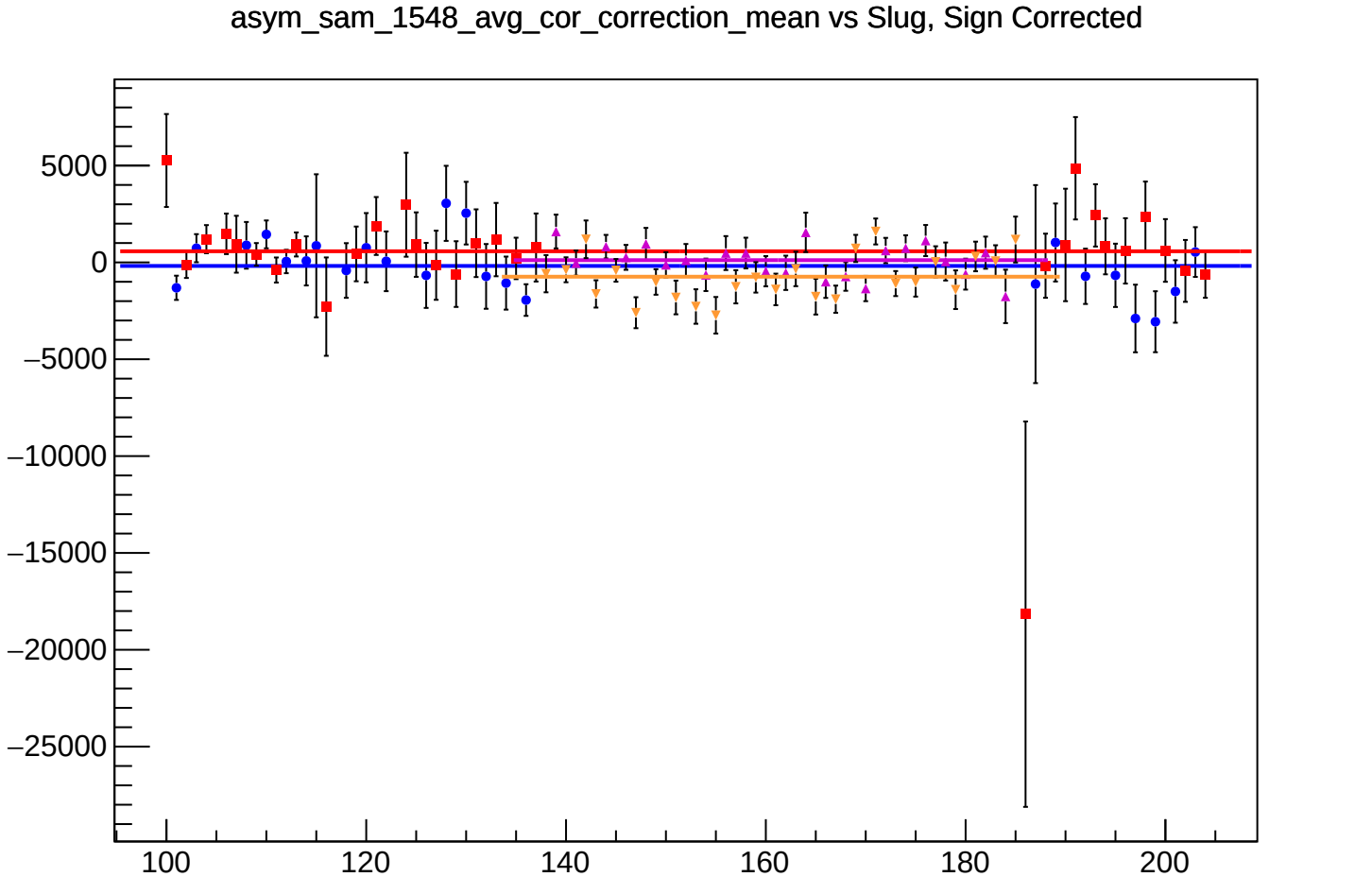
Left: 100.157+/-0.012 χ^2/NDF: 1355414.8/47

Right: 93.189+/-0.013 χ^2/NDF: 5566242.9/53

In: 97.508+/-0.013 χ^2/NDF:2881519.9/46

Out: 96.654+/-0.012 χ^2/NDF:4196098.6/54

All: 97.060+/-0.009 χ^2/NDF: 7080016.3/101



Right In: -182.696+/-235.618 χ^2/NDF: 29.6/23

Left Out: -738.352+/-156.311 χ^2/NDF:49.7/24

Right Out: 574.877+/-217.315 χ^2/NDF: 22.9/29

Left In: 115.639+/-160.990 χ^2/NDF:23.7/22

Left: -323.947+/-112.146 χ^2/NDF: 87.9/47

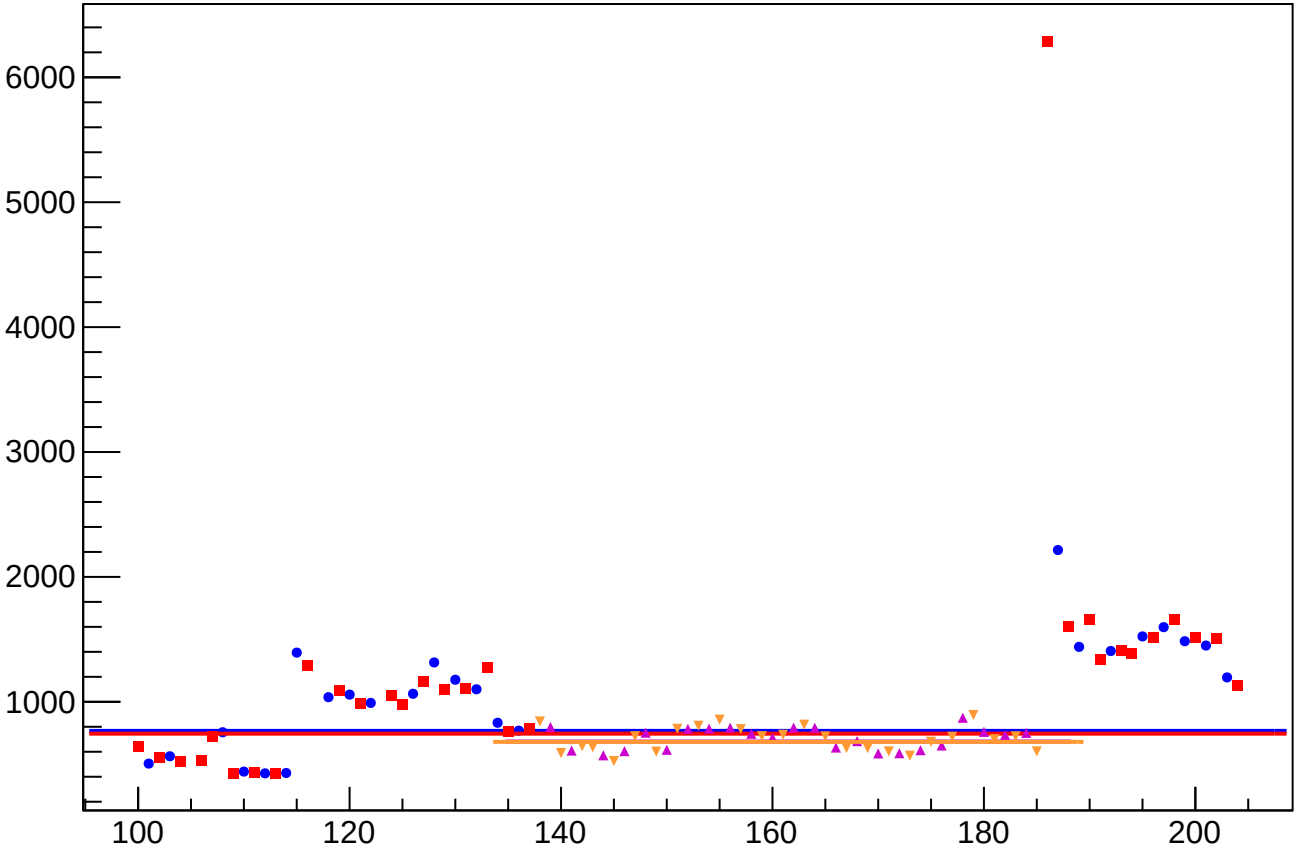
Right: 226.653+/-159.744 χ^2/NDF: 58.1/53

In: 20.688+/-132.925 χ^2/NDF:54.4/46

Out: -290.587+/-126.895 χ^2/NDF:96.7/54

All: -142.170+/-91.786 χ^2/NDF: 154.0/101

asym_sam_1548_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 767.200+/-0.167 χ^2/NDF: 5016793.3/23

Left Out: 679.146+/-0.111 χ^2/NDF:737418.6/24

Right Out: 745.124+/-0.154 χ^2/NDF: 7038189.1/29

Left In: 681.893+/-0.114 χ^2/NDF:573813.6/22

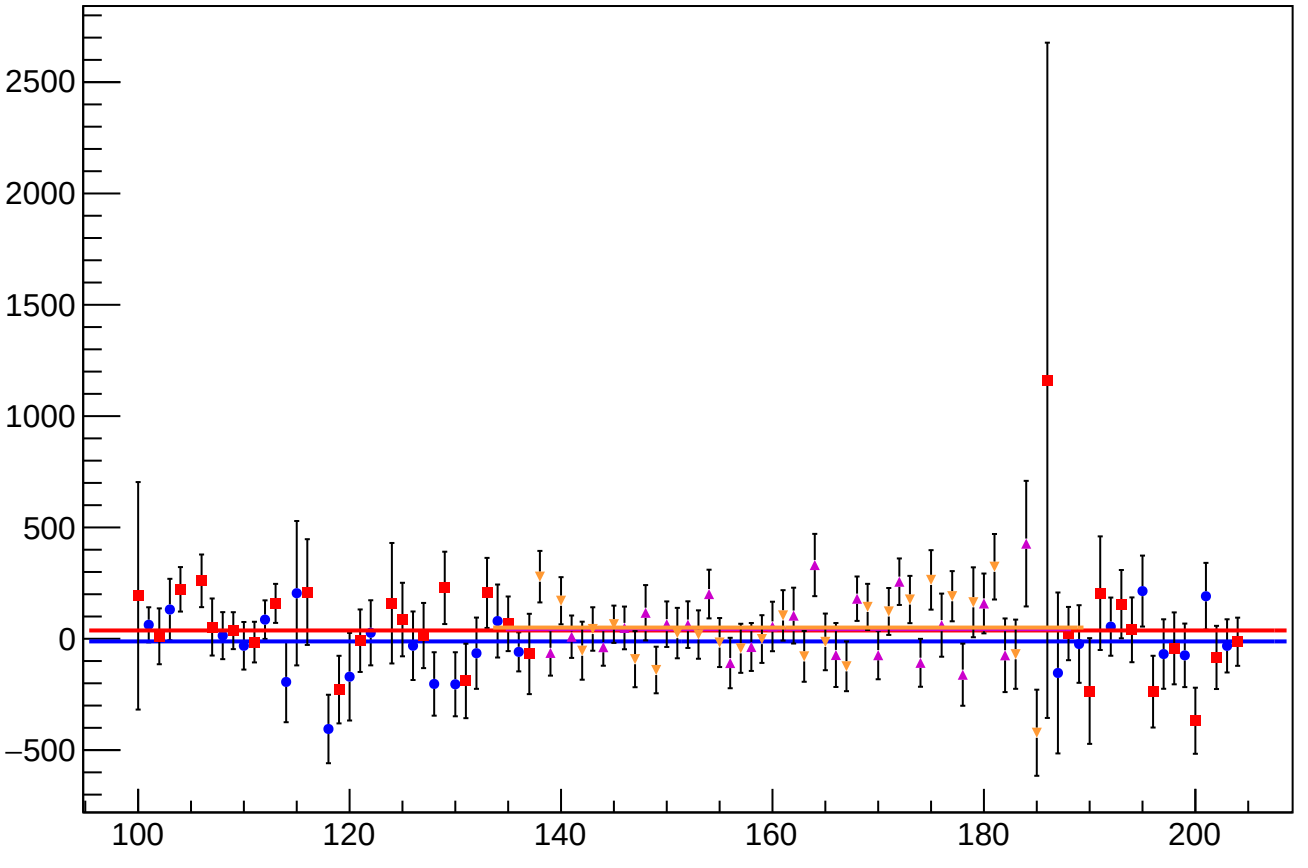
Left: 680.479+/-0.079 χ^2/NDF: 1311532.0/47

Right: 755.271+/-0.113 χ^2/NDF: 12064469.3/53

In: 709.044+/-0.094 χ^2/NDF:5769334.4/46

Out: 701.642+/-0.090 χ^2/NDF:7897100.7/54

All: 705.171+/-0.065 χ^2/NDF: 13669679.3/10



Right In: -11.868+/-27.031 χ^2/NDF: 21.0/23

Left Out: 50.322+/-22.958 χ^2/NDF:33.4/24

Right Out: 37.342+/-25.268 χ^2/NDF: 32.6/29

Left In: 43.026+/-23.758 χ^2/NDF:26.6/22

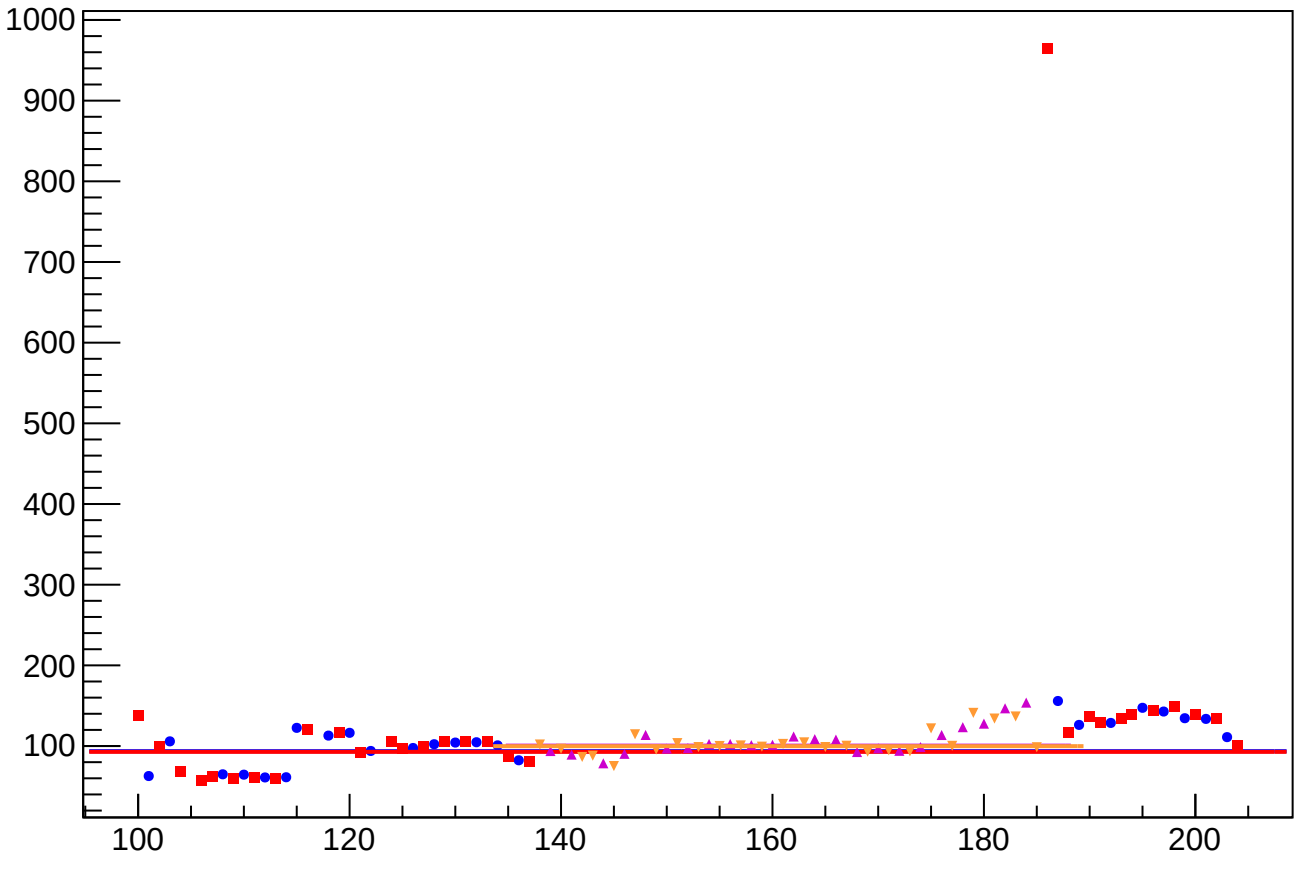
Left: 46.799+/-16.509 χ^2/NDF: 60.1/47

Right: 14.394+/-18.459 χ^2/NDF: 55.4/53

In: 19.102+/-17.845 χ^2/NDF:49.9/46

Out: 44.453+/-16.992 χ^2/NDF:66.2/54

All: 32.398+/-12.306 χ^2/NDF: 117.2/101



Right In: 93.637+/-0.019 χ^2/NDF: 2151975.7/23

Left Out: 99.839+/-0.016 χ^2/NDF:697768.8/24

Right Out: 92.797+/-0.018 χ^2/NDF: 3413236.7/29

Left In: 100.498+/-0.017 χ^2/NDF:656850.1/22

Left: 100.157+/-0.012 χ^2/NDF: 1355414.8/47

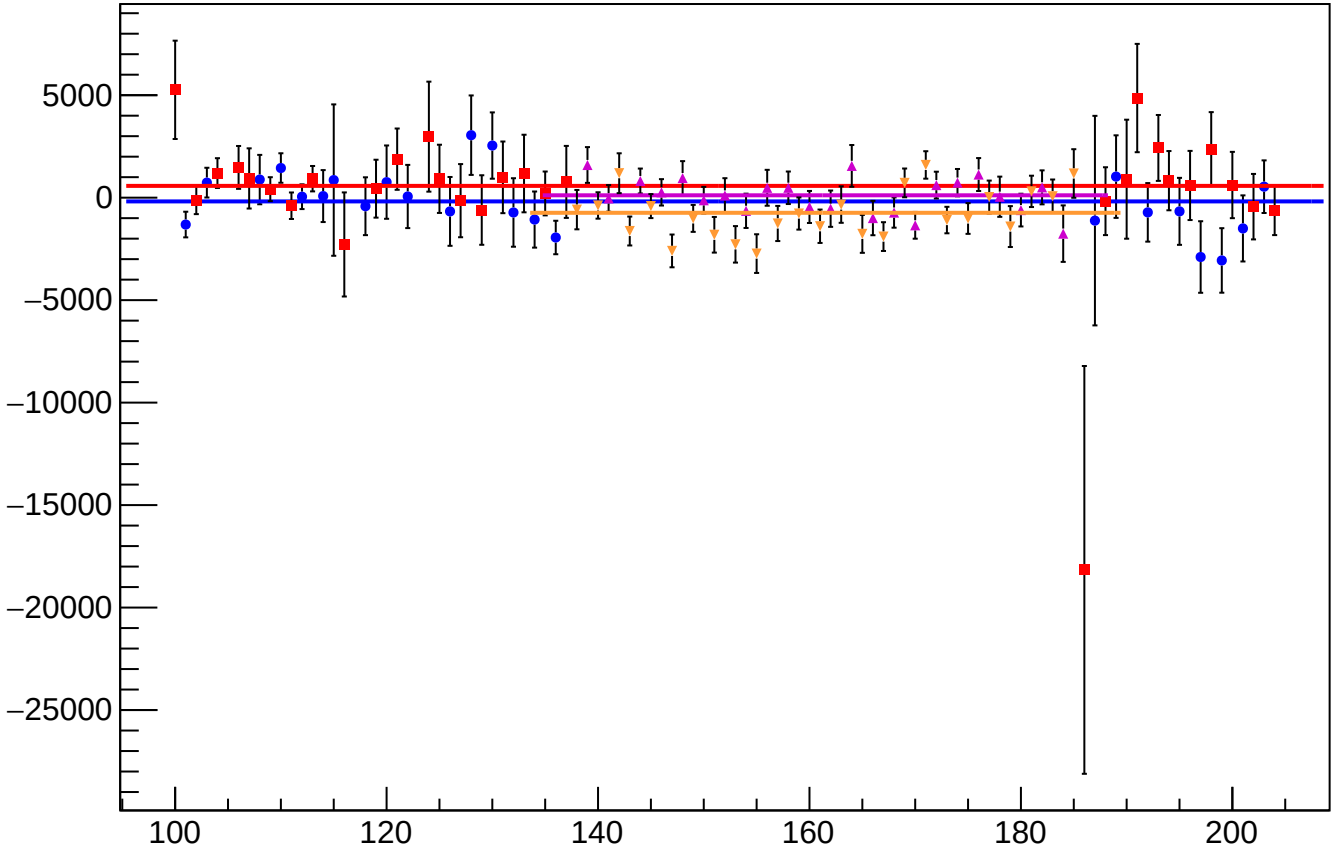
Right: 93.189+/-0.013 χ^2/NDF: 5566242.9/53

In: 97.508+/-0.013 χ^2/NDF:2881519.9/46

Out: 96.654+/-0.012 χ^2/NDF:4196098.6/54

All: 97.060+/-0.009 χ^2/NDF: 7080016.3/101

asym_sam_1548_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -182.696+/-235.618 χ^2/NDF: 29.6/23

Left Out: -738.352+/-156.311 χ^2/NDF:49.7/24

Right Out: 574.877+/-217.315 χ^2/NDF: 22.9/29

Left In: 115.639+/-160.990 χ^2/NDF:23.7/22

Left: -323.947+/-112.146 χ^2/NDF: 87.9/47

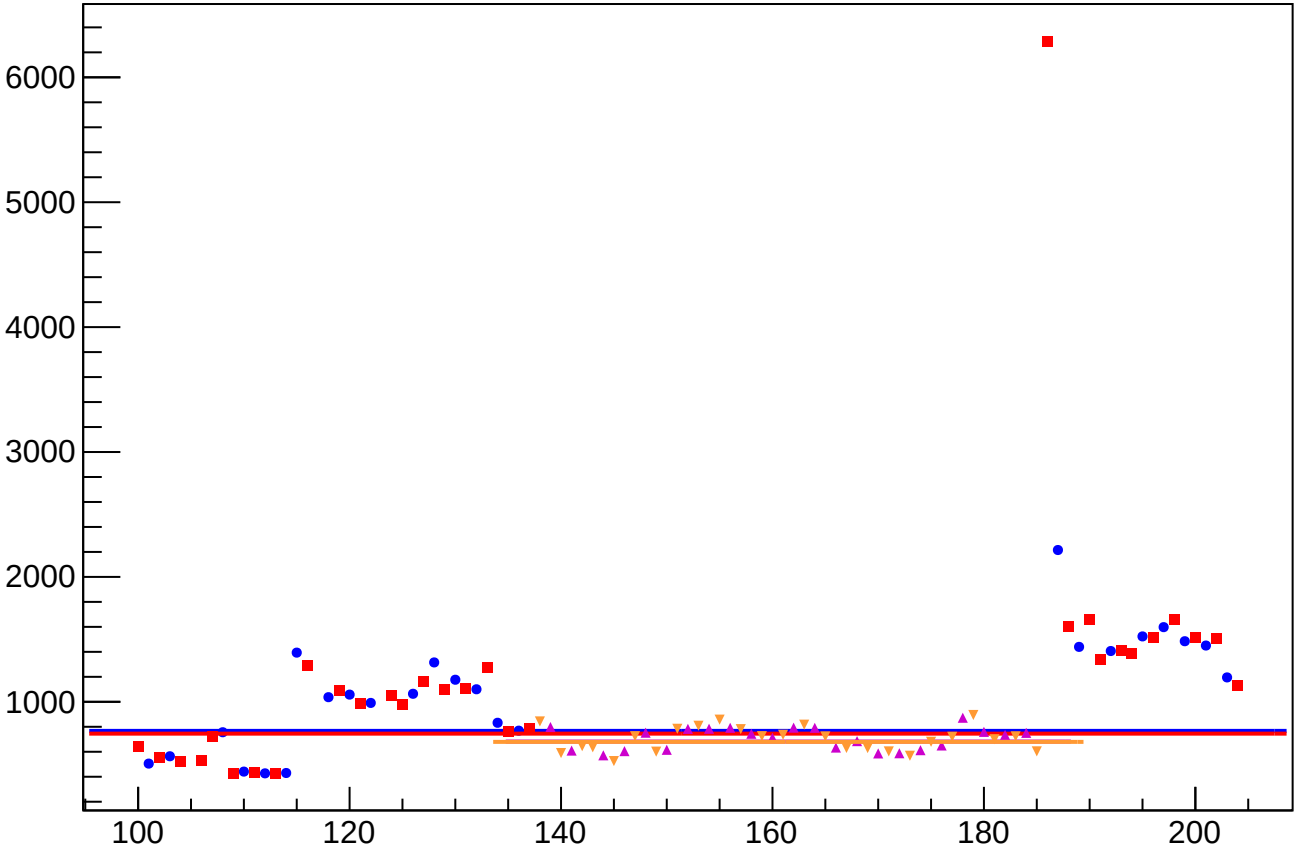
Right: 226.653+/-159.744 χ^2/NDF: 58.1/53

In: 20.688+/-132.925 χ^2/NDF:54.4/46

Out: -290.587+/-126.895 χ^2/NDF:96.7/54

All: -142.170+/-91.786 χ^2/NDF: 154.0/101

asym_sam_1548_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 767.200+/-0.167 χ^2/NDF: 5016793.3/23

Left Out: 679.146+/-0.111 χ^2/NDF:737418.6/24

Right Out: 745.124+/-0.154 χ^2/NDF: 7038189.1/29

Left In: 681.893+/-0.114 χ^2/NDF:573813.6/22

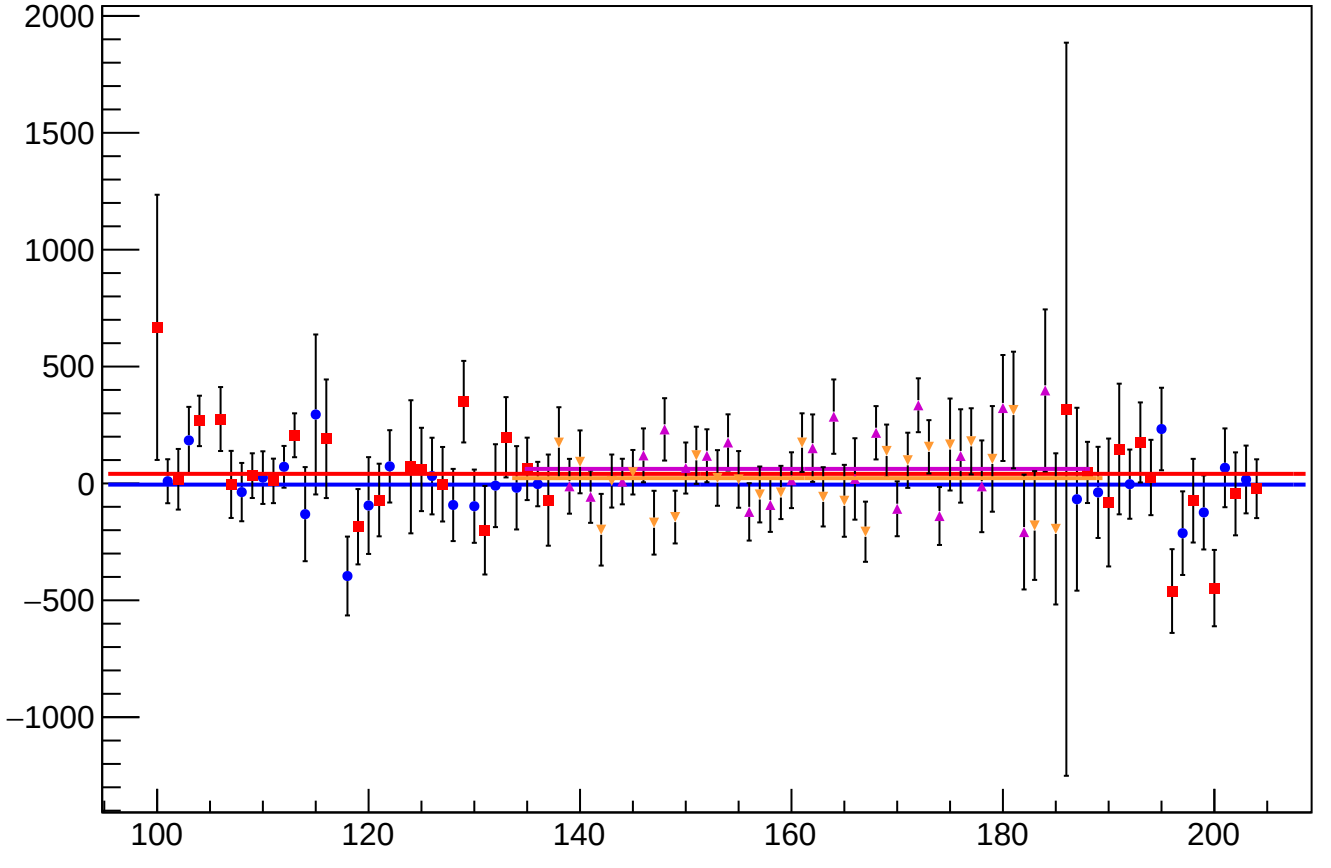
Left: 680.479+/-0.079 χ^2/NDF: 1311532.0/47

Right: 755.271+/-0.113 χ^2/NDF: 12064469.3/53

In: 709.044+/-0.094 χ^2/NDF:5769334.4/46

Out: 701.642+/-0.090 χ^2/NDF:7897100.7/54

All: 705.171+/-0.065 χ^2/NDF: 13669679.3/10



Right In: -5.051+/-29.858 χ^2/NDF: 14.3/23

Left Out: 22.542+/-26.643 χ^2/NDF:21.6/24

Right Out: 40.995+/-27.826 χ^2/NDF: 39.5/29

Left In: 62.169+/-27.339 χ^2/NDF:27.3/22

Left: 41.845+/-19.081 χ^2/NDF: 50.0/47

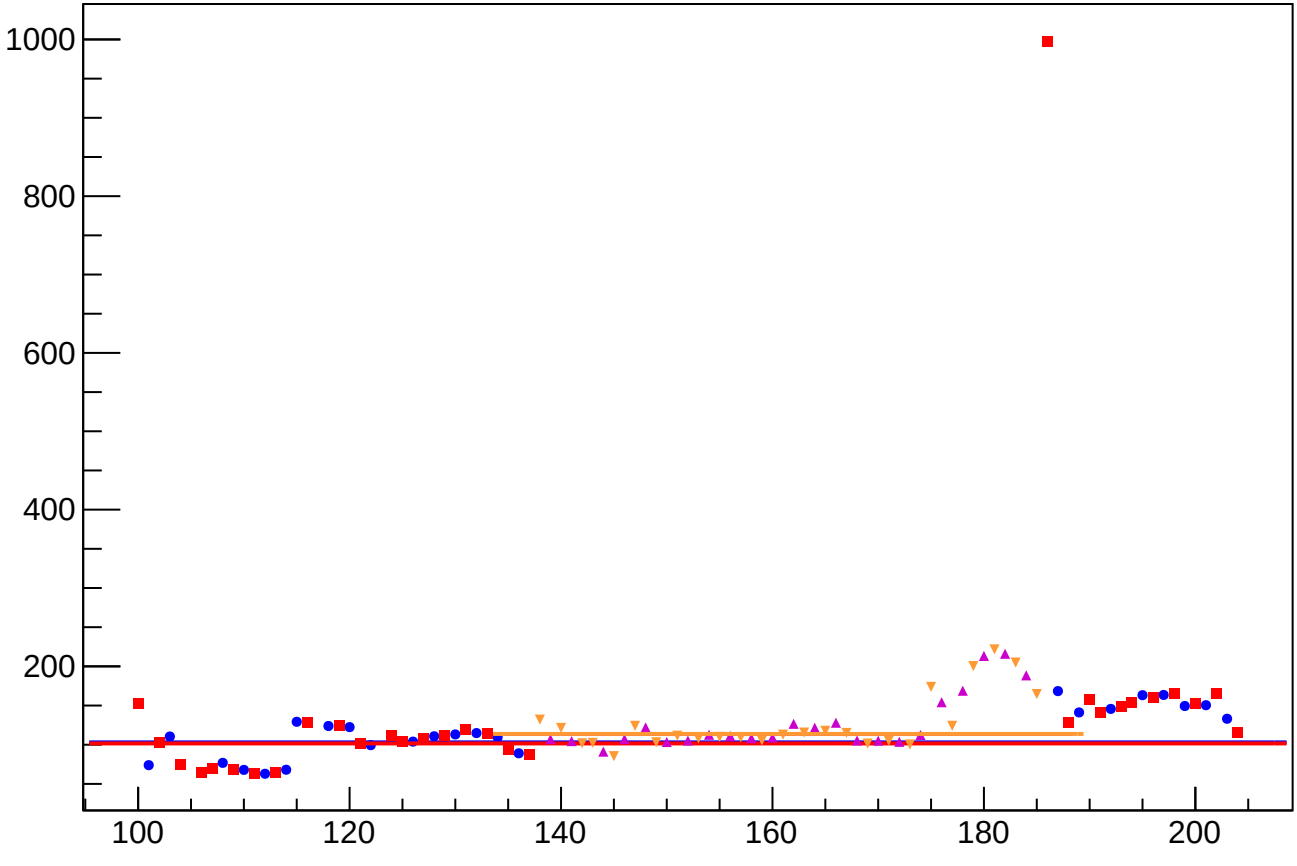
Right: 19.592+/-20.356 χ^2/NDF: 55.1/53

In: 31.514+/-20.163 χ^2/NDF:44.4/46

Out: 31.368+/-19.244 χ^2/NDF:61.3/54

All: 31.438+/-13.921 χ^2/NDF: 105.7/101

dit_asym_sam_1548_avg_rms vs Slug, Sign Corrected



Right In: 102.994+/-0.021 χ^2/NDF: 2247071.2/23

Left Out: 113.766+/-0.019 χ^2/NDF:1579920.3/24

Right Out: 101.641+/-0.020 χ^2/NDF: 3558453.0/29

Left In: 113.677+/-0.019 χ^2/NDF:1316044.6/22

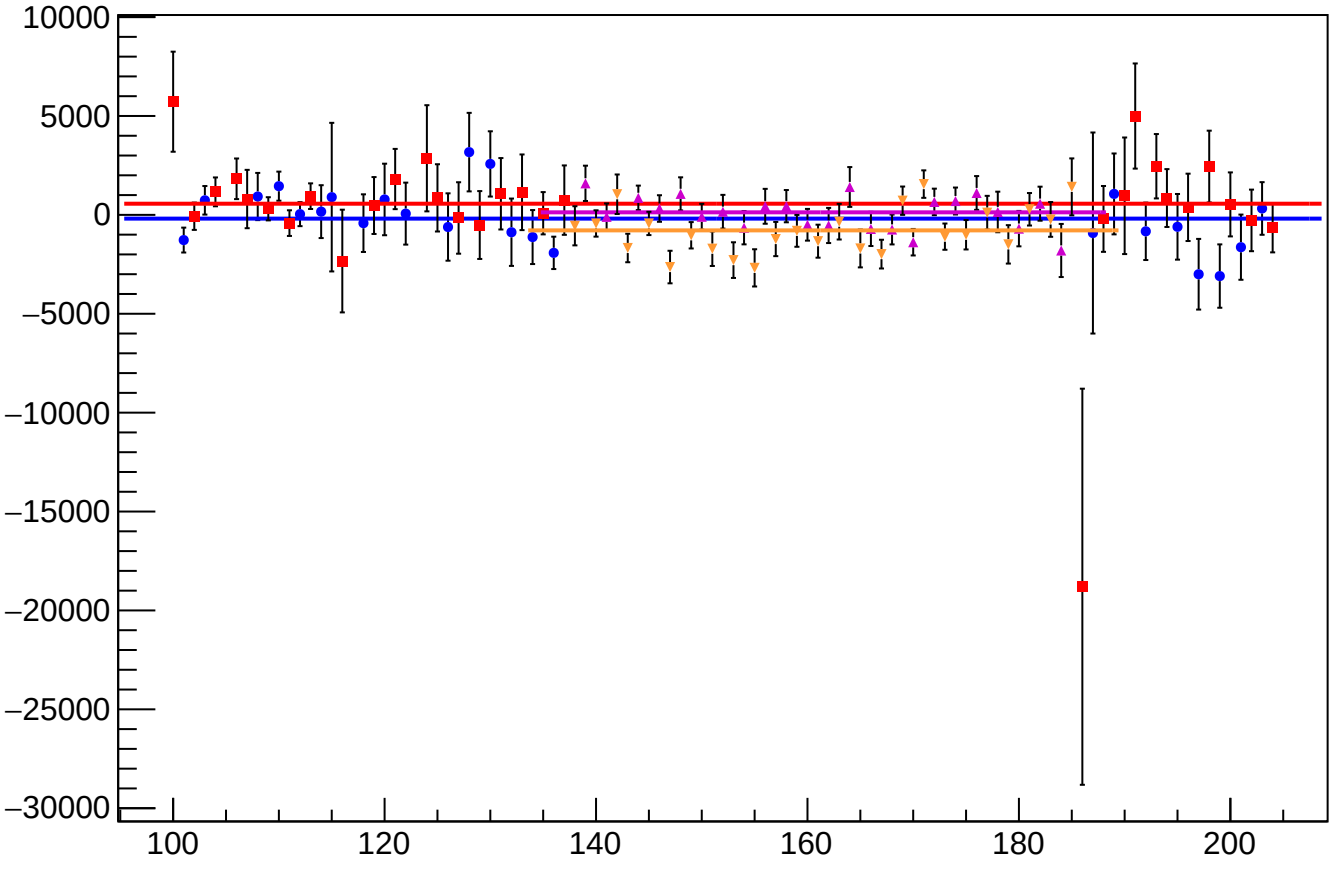
Left: 113.723+/-0.013 χ^2/NDF: 2895975.8/47

Right: 102.270+/-0.014 χ^2/NDF: 5807723.9/53

In: 108.805+/-0.014 χ^2/NDF:3702371.5/46

Out: 107.967+/-0.014 χ^2/NDF:5336496.6/54

All: 108.366+/-0.010 χ^2/NDF: 9040678.0/101



Right In: -189.829+/-238.281 χ^2/NDF: 29.3/23

Left Out: -784.286+/-160.482 χ^2/NDF:45.4/24

Right Out: 563.919+/-219.567 χ^2/NDF: 24.1/29

Left In: 128.155+/-165.255 χ^2/NDF:22.7/22

Left: -341.434+/-115.128 χ^2/NDF: 83.8/47

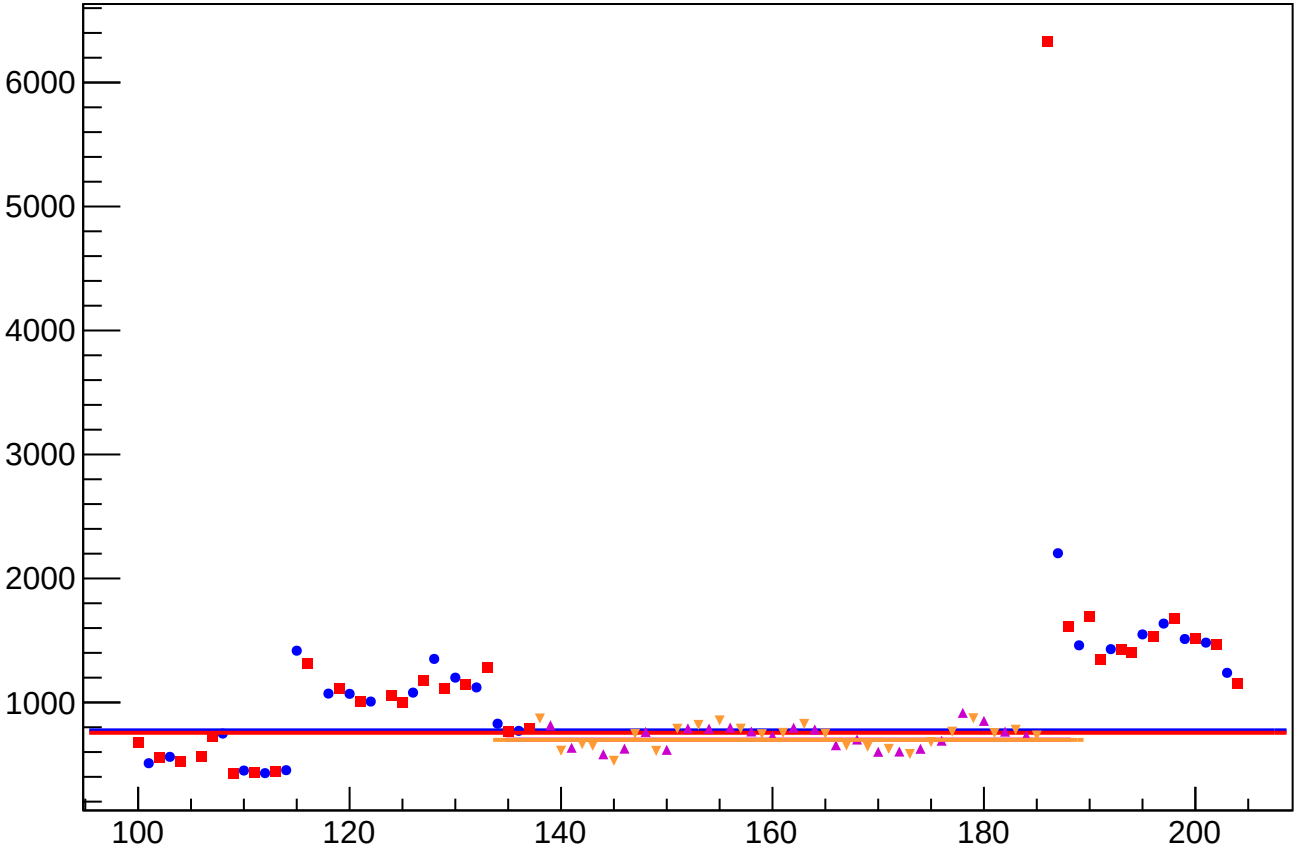
Right: 217.802+/-161.468 χ^2/NDF: 58.8/53

In: 24.882+/-135.794 χ^2/NDF:53.2/46

Out: -314.838+/-129.563 χ^2/NDF:94.1/54

All: -152.950+/-93.740 χ^2/NDF: 150.6/101

asym_sam_1548_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 774.863+/-0.168 χ^2/NDF: 5093926.5/23

Left Out: 698.237+/-0.113 χ^2/NDF:714686.8/24

Right Out: 755.549+/-0.155 χ^2/NDF: 6975961.5/29

Left In: 700.079+/-0.117 χ^2/NDF:584318.7/22

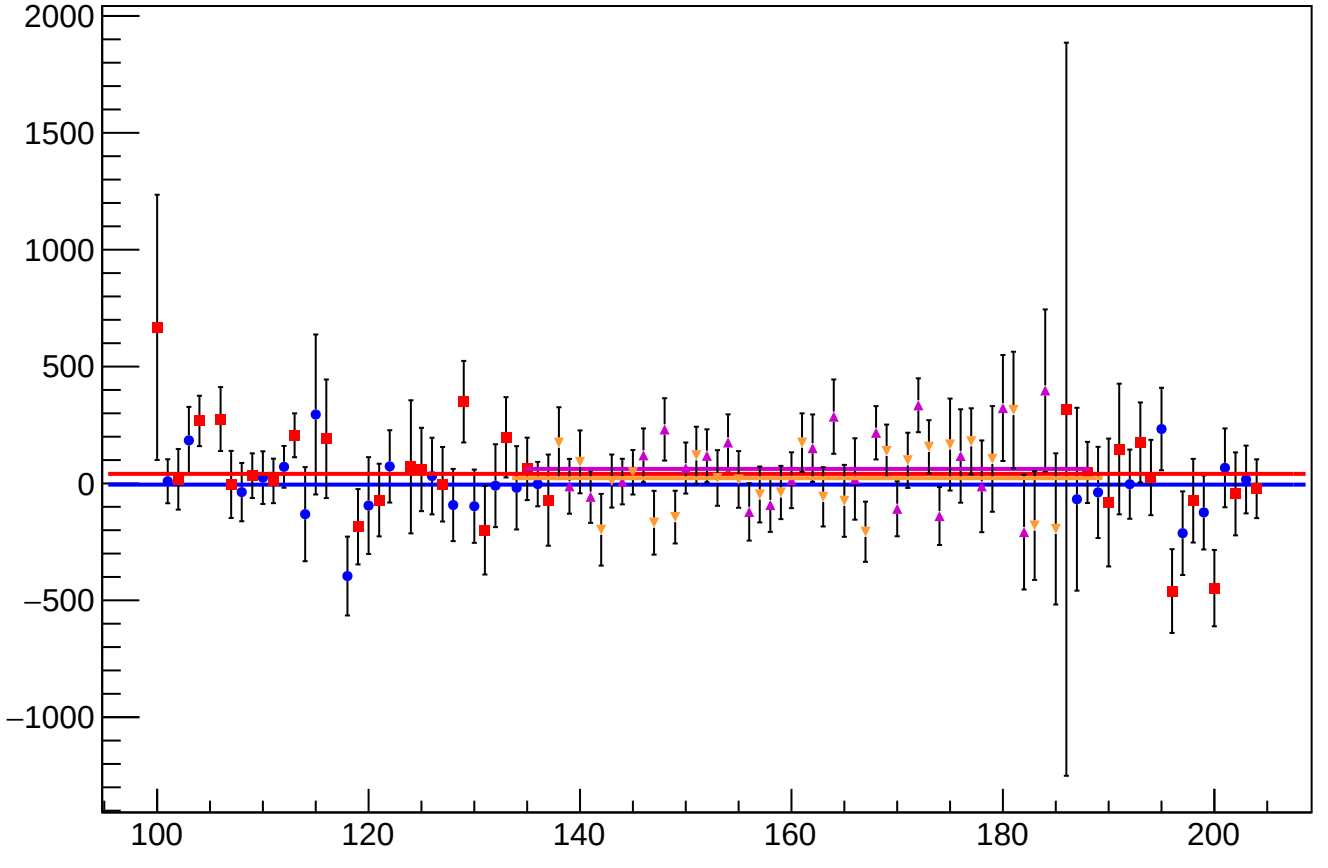
Left: 699.131+/-0.081 χ^2/NDF: 1299133.4/47

Right: 764.418+/-0.114 χ^2/NDF: 12076993.7/53

In: 724.367+/-0.096 χ^2/NDF:5811263.3/46

Out: 718.193+/-0.092 χ^2/NDF:7779467.1/54

All: 721.135+/-0.066 χ^2/NDF: 13592894.3/10



Right In: -5.050+/-29.858 χ^2/NDF: 14.3/23

Left Out: 22.544+/-26.643 χ^2/NDF:21.6/24

Right Out: 40.995+/-27.826 χ^2/NDF: 39.5/29

Left In: 62.169+/-27.339 χ^2/NDF:27.3/22

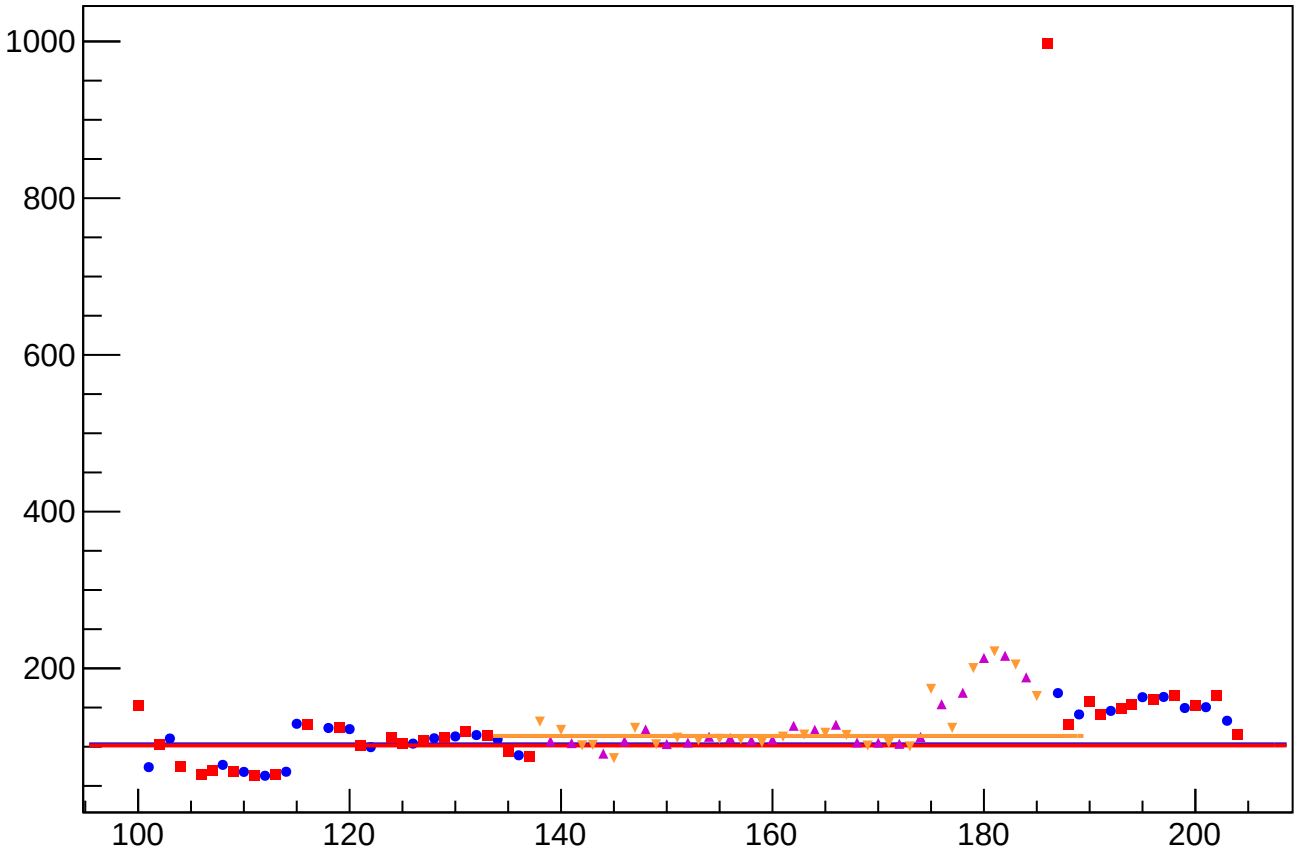
Left: 41.846+/-19.081 χ^2/NDF: 50.0/47

Right: 19.593+/-20.356 χ^2/NDF: 55.1/53

In: 31.514+/-20.163 χ^2/NDF:44.4/46

Out: 31.369+/-19.244 χ^2/NDF:61.3/54

All: 31.438+/-13.921 χ^2/NDF: 105.7/101



Right In: 102.994+/-0.021 χ^2/NDF: 2247057.9/23

Left Out: 113.766+/-0.019 χ^2/NDF:1579910.8/24

Right Out: 101.641+/-0.020 χ^2/NDF: 3558457.3/29

Left In: 113.677+/-0.019 χ^2/NDF:1316023.5/22

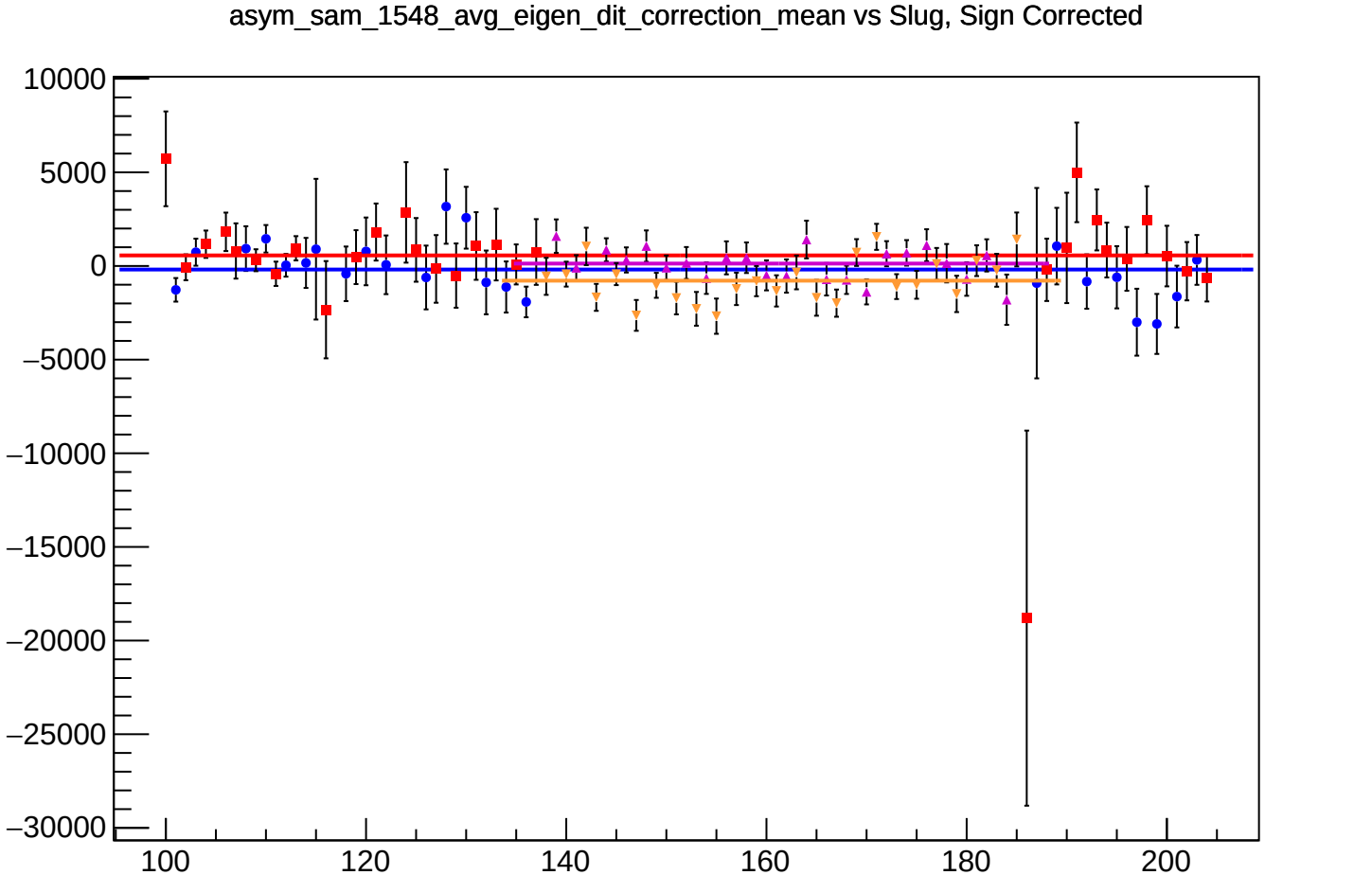
Left: 113.723+/-0.013 χ^2/NDF: 2895945.2/47

Right: 102.270+/-0.014 χ^2/NDF: 5807714.9/53

In: 108.805+/-0.014 χ^2/NDF:3702343.1/46

Out: 107.967+/-0.014 χ^2/NDF:5336496.8/54

All: 108.366+/-0.010 χ^2/NDF: 9040649.8/101



Right In: -189.829+/-238.281 χ^2/NDF: 29.3/23

Left Out: -784.284+/-160.482 χ^2/NDF:45.4/24

Right Out: 563.918+/-219.566 χ^2/NDF: 24.1/29

Left In: 128.154+/-165.255 χ^2/NDF:22.7/22

Left: -341.433+/-115.128 χ^2/NDF: 83.8/47

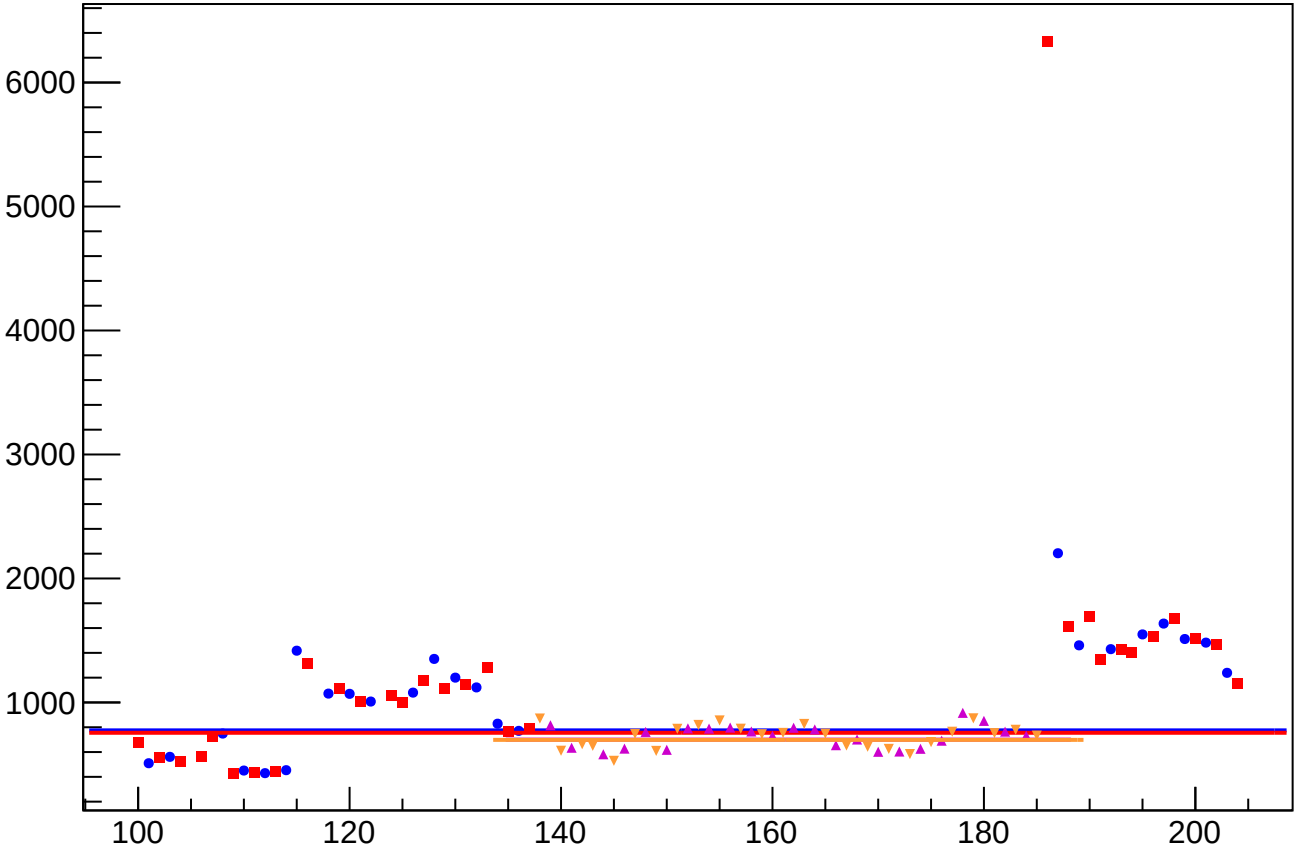
Right: 217.802+/-161.468 χ^2/NDF: 58.8/53

In: 24.881+/-135.794 χ^2/NDF:53.2/46

Out: -314.837+/-129.563 χ^2/NDF:94.1/54

All: -152.950+/-93.740 χ^2/NDF: 150.6/101

asym_sam_1548_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 774.862+/-0.168 χ^2/NDF: 5093926.5/23

Left Out: 698.236+/-0.113 χ^2/NDF:714685.1/24

Right Out: 755.548+/-0.155 χ^2/NDF: 6975956.2/29

Left In: 700.079+/-0.117 χ^2/NDF:584314.1/22

Left: 699.130+/-0.081 χ^2/NDF: 1299127.2/47

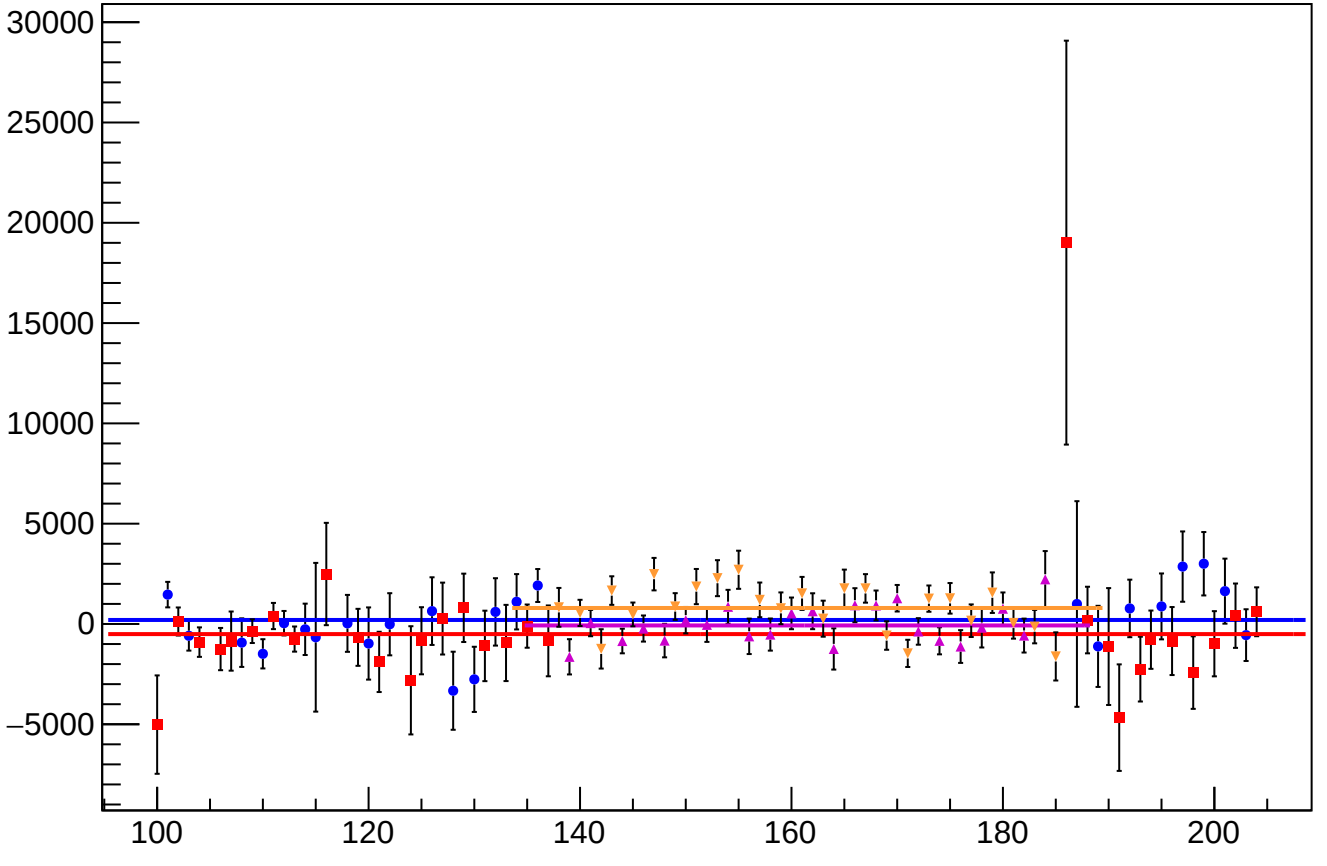
Right: 764.417+/-0.114 χ^2/NDF: 12076988.4/53

In: 724.366+/-0.096 χ^2/NDF:5811257.9/46

Out: 718.193+/-0.092 χ^2/NDF:7779460.1/54

All: 721.134+/-0.066 χ^2/NDF: 13592882.0/10

asym_sam_1548_avg_mean vs Slug, Sign Corrected



Right In: 199.685+/-237.934 χ^2/NDF: 30.9/23

Left Out: 796.905+/-158.142 χ^2/NDF:46.4/24

Right Out: -504.749+/-219.344 χ^2/NDF: 21.4/29

Left In: -73.501+/-162.879 χ^2/NDF:24.9/22

Left: 374.544+/-113.461 χ^2/NDF: 86.0/47

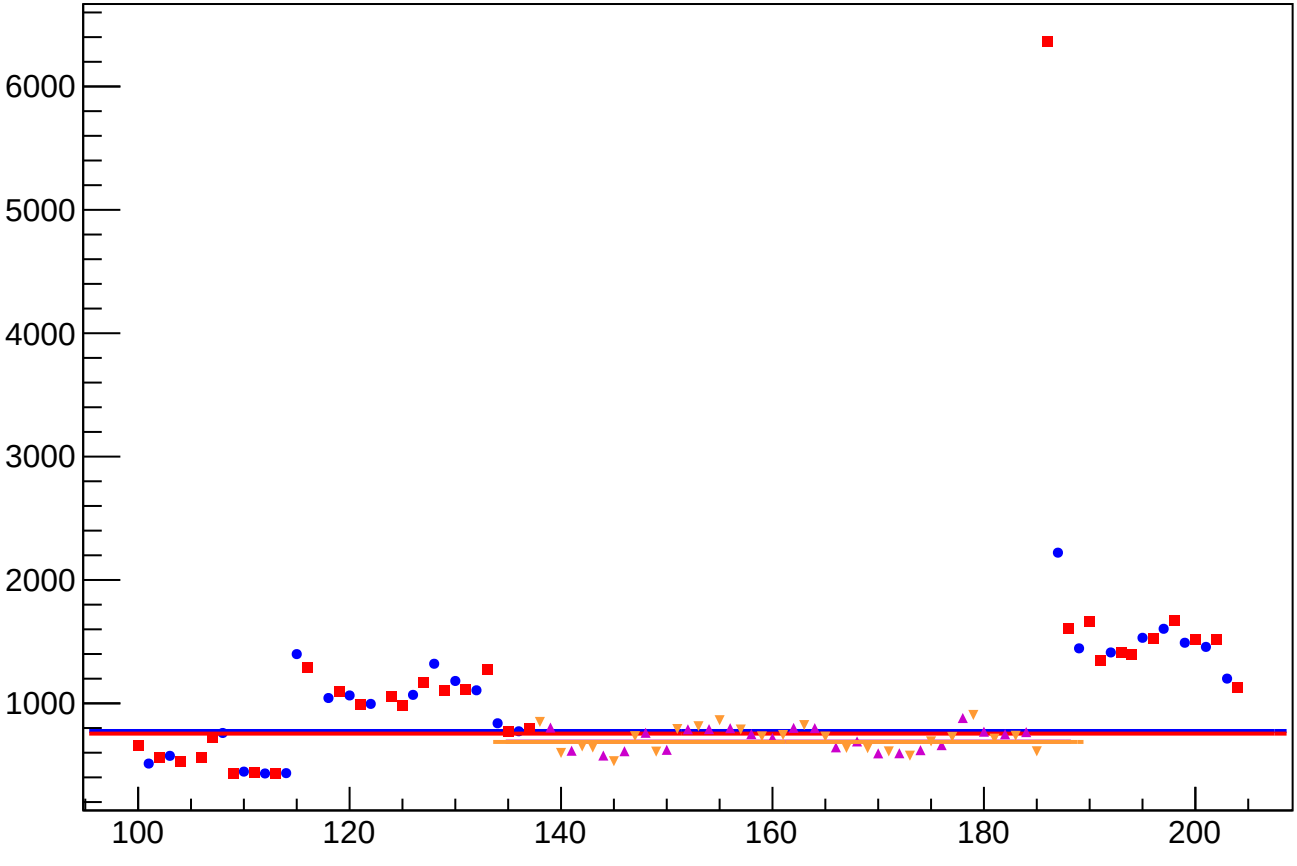
Right: -181.124+/-161.272 χ^2/NDF: 57.0/53

In: 13.669+/-134.404 χ^2/NDF:56.7/46

Out: 351.710+/-128.278 χ^2/NDF:90.9/54

All: 190.569+/-92.796 χ^2/NDF: 151.0/101

asym_sam_1548_avg_rms vs Slug, Sign Corrected



Right In: 775.944+/-0.168 χ^2/NDF: 4945693.0/23

Left Out: 687.243+/-0.112 χ^2/NDF:727994.0/24

Right Out: 754.705+/-0.155 χ^2/NDF: 6937672.5/29

Left In: 689.997+/-0.115 χ^2/NDF:567089.0/22

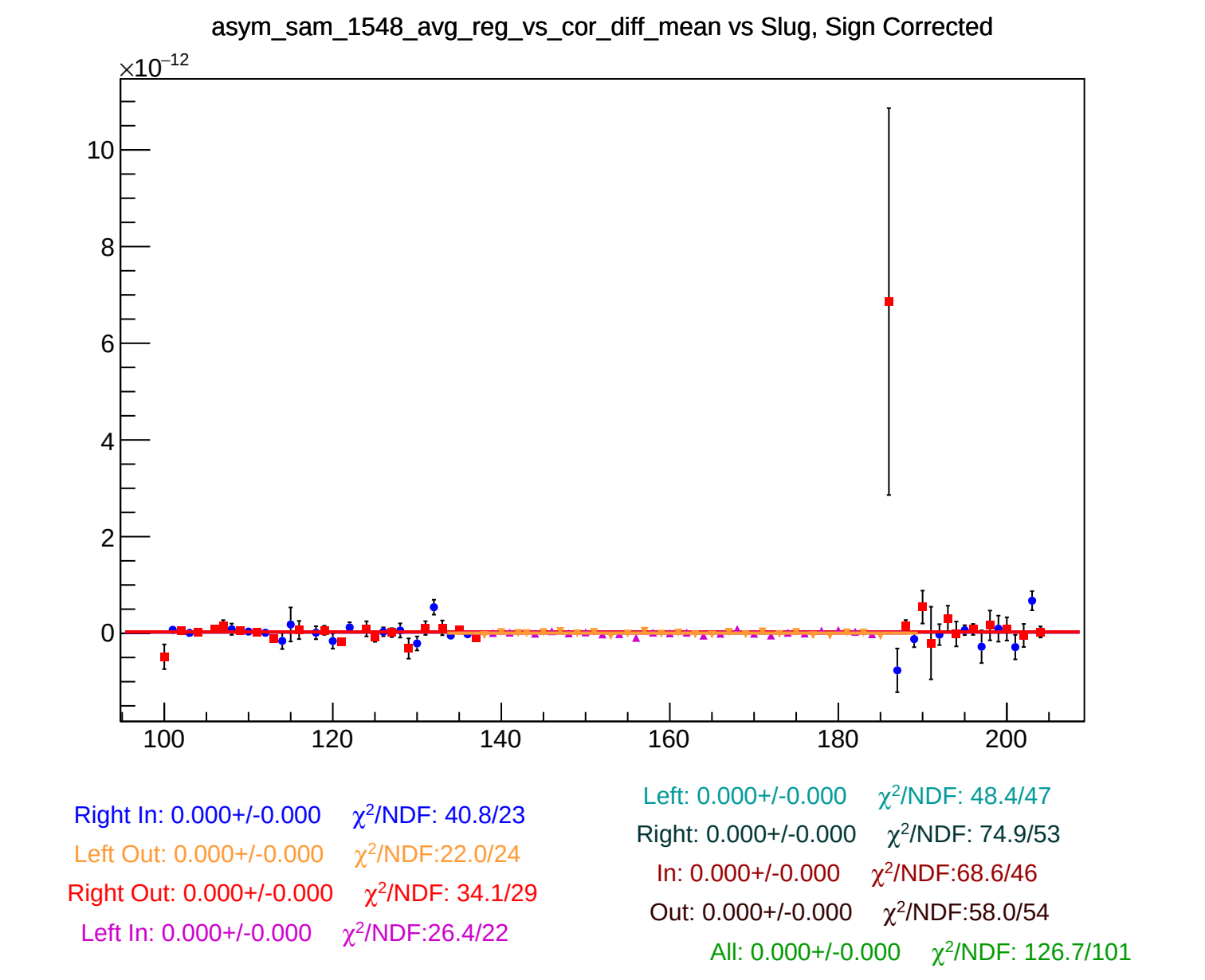
Left: 688.579+/-0.080 χ^2/NDF: 1295377.3/47

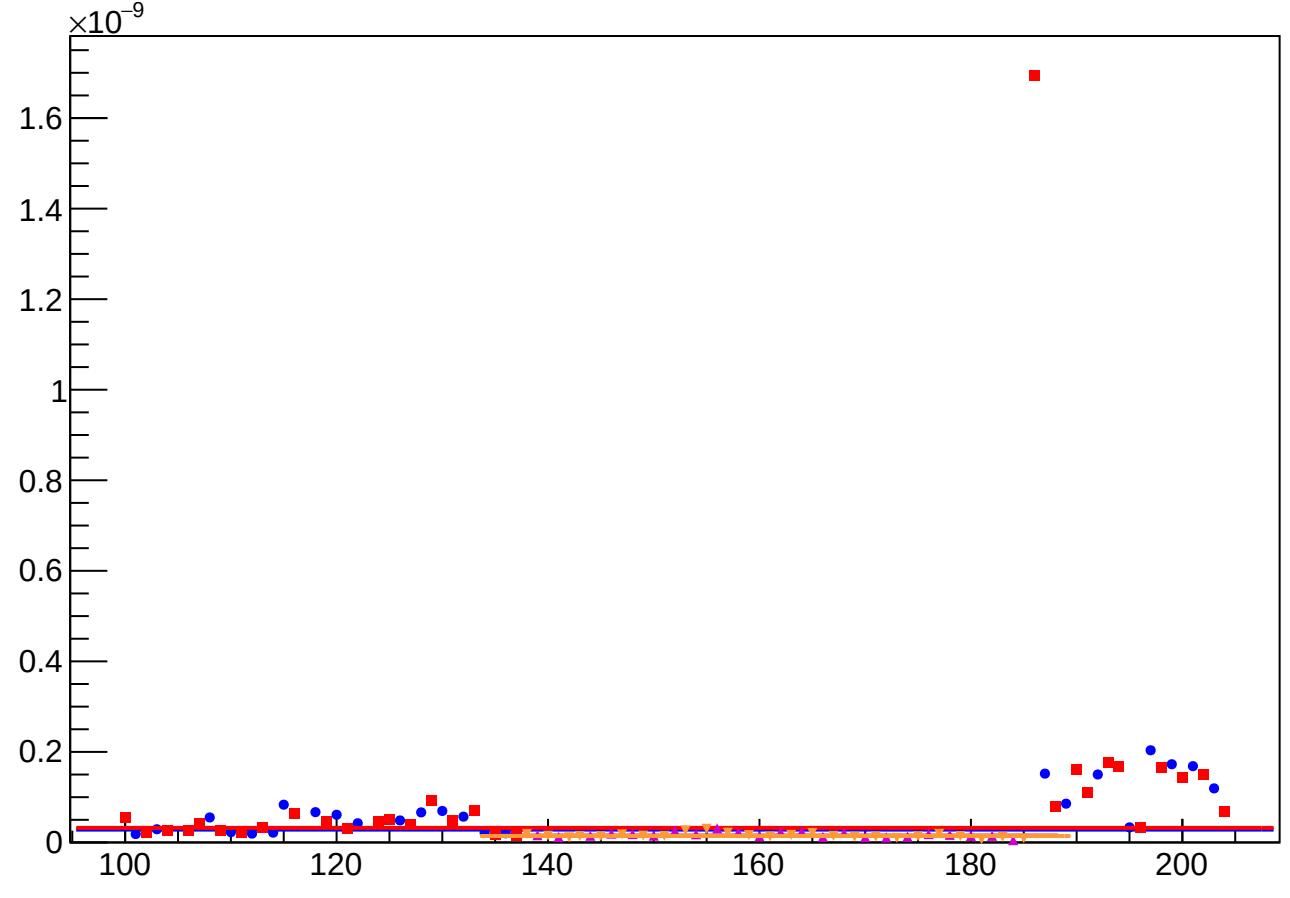
Right: 764.462+/-0.114 χ^2/NDF: 11891980.7/53

In: 717.421+/-0.095 χ^2/NDF:5690474.8/46

Out: 710.316+/-0.091 χ^2/NDF:7790148.2/54

All: 713.703+/-0.066 χ^2/NDF: 13483547.9/10


asym_sam_1548_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
10
8
6
4
2
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 40.8/23
Left Out: 0.000+/-0.000 χ²/NDF:22.0/24
Right Out: 0.000+/-0.000 χ²/NDF: 34.1/29
Left In: 0.000+/-0.000 χ²/NDF:26.4/22
Left: 0.000+/-0.000 χ²/NDF: 48.4/47
Right: 0.000+/-0.000 χ²/NDF: 74.9/53
In: 0.000+/-0.000 χ²/NDF:68.6/46
Out: 0.000+/-0.000 χ²/NDF:58.0/54
All: 0.000+/-0.000 χ²/NDF: 126.7/101



Right In: 0.000+/-0.000 χ^2/NDF: 4570546.0/23

Left Out: 0.000+/-0.000 χ^2/NDF:992947.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4766154.6/29

Left In: 0.000+/-0.000 χ^2/NDF:1107168.2/22

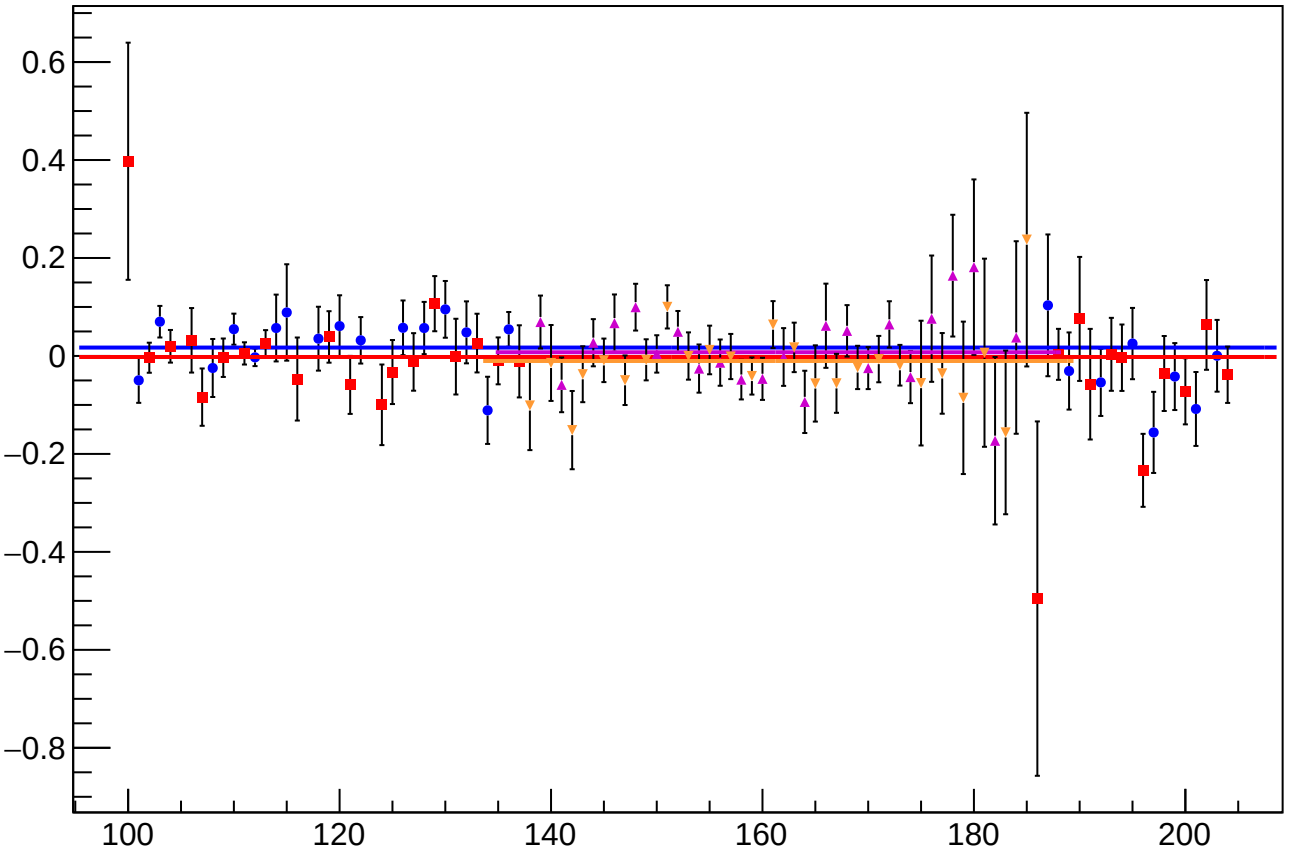
Left: 0.000+/-0.000 χ^2/NDF: 2124302.0/47

Right: 0.000+/-0.000 χ^2/NDF: 9398683.0/53

In: 0.000+/-0.000 χ^2/NDF:7038178.6/46

Out: 0.000+/-0.000 χ^2/NDF:8067948.0/54

All: 0.000+/-0.000 χ^2/NDF: 15125436.1/101



Right In: 0.017+/-0.010 χ^2/NDF: 27.0/23

Left Out: -0.010+/-0.011 χ^2/NDF:18.1/24

Right Out: -0.002+/-0.009 χ^2/NDF: 28.4/29

Left In: 0.008+/-0.011 χ^2/NDF:23.3/22

Left: -0.001+/-0.008 χ^2/NDF: 42.6/47

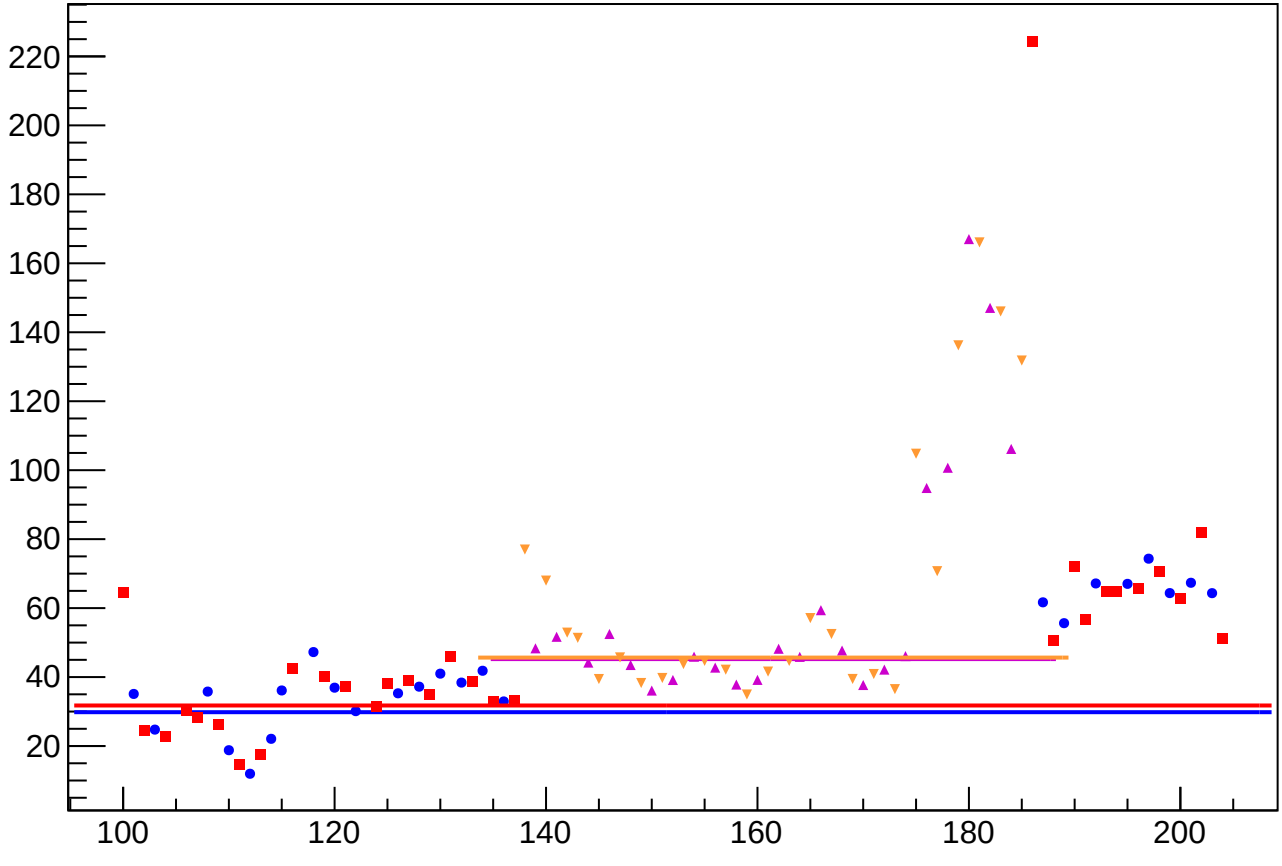
Right: 0.007+/-0.007 χ^2/NDF: 57.4/53

In: 0.013+/-0.007 χ^2/NDF:50.7/46

Out: -0.005+/-0.007 χ^2/NDF:46.8/54

All: 0.004+/-0.005 χ^2/NDF: 100.7/101

asym_sam_1548_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.816+/-0.007 χ^2/NDF: 6238072.5/23

Left Out: 45.650+/-0.008 χ^2/NDF:4015230.2/24

Right Out: 31.760+/-0.007 χ^2/NDF: 6504886.7/29

Left In: 45.217+/-0.008 χ^2/NDF:2992534.4/22

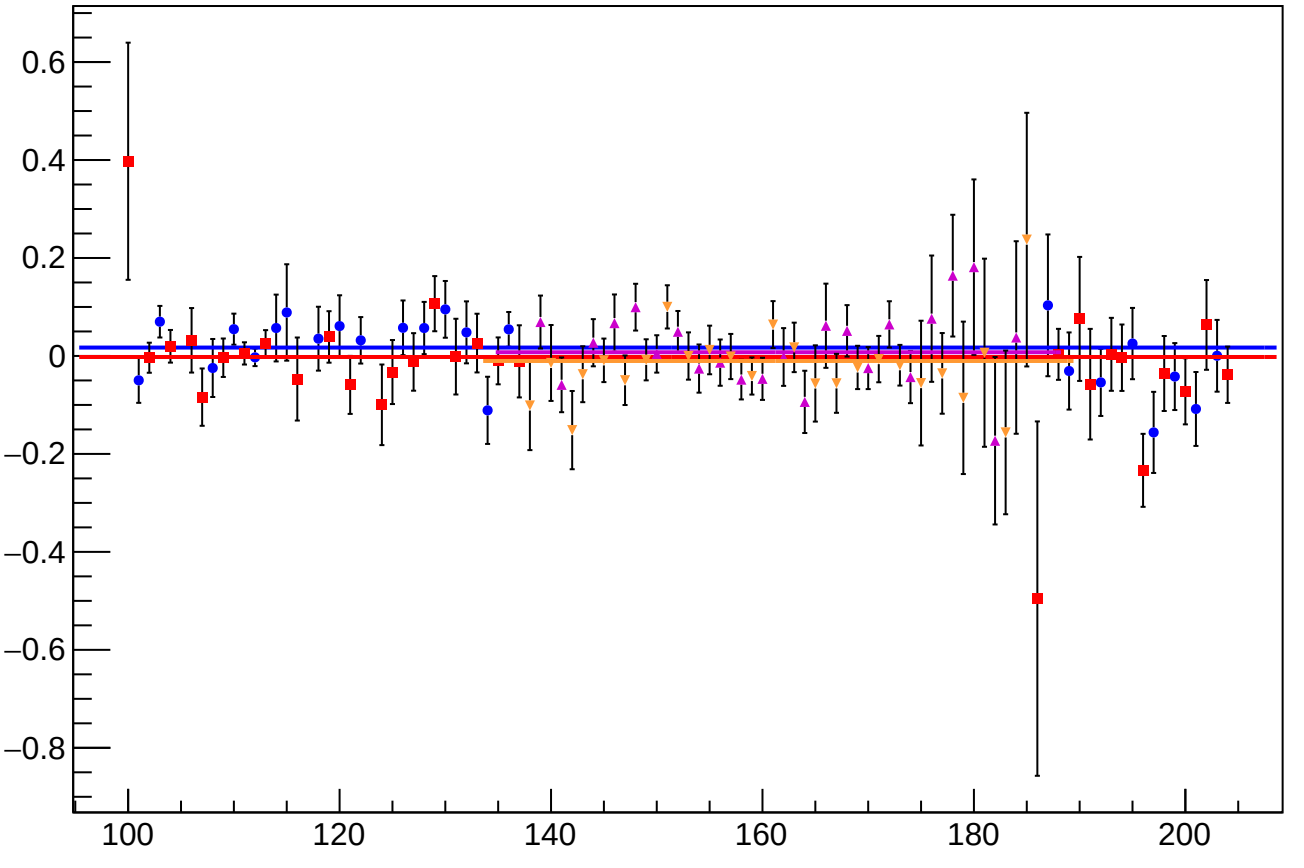
Left: 45.436+/-0.006 χ^2/NDF: 7009219.9/47

Right: 30.814+/-0.005 χ^2/NDF: 12784292.0/53

In: 36.264+/-0.005 χ^2/NDF:11346810.6/46

Out: 37.477+/-0.005 χ^2/NDF:12306304.1/54

All: 36.883+/-0.004 χ^2/NDF: 23680647.8/101



Right In: 0.017+/-0.010 χ^2/NDF: 27.0/23

Left Out: -0.010+/-0.011 χ^2/NDF:18.1/24

Right Out: -0.002+/-0.009 χ^2/NDF: 28.4/29

Left In: 0.008+/-0.011 χ^2/NDF:23.3/22

Left: -0.001+/-0.008 χ^2/NDF: 42.6/47

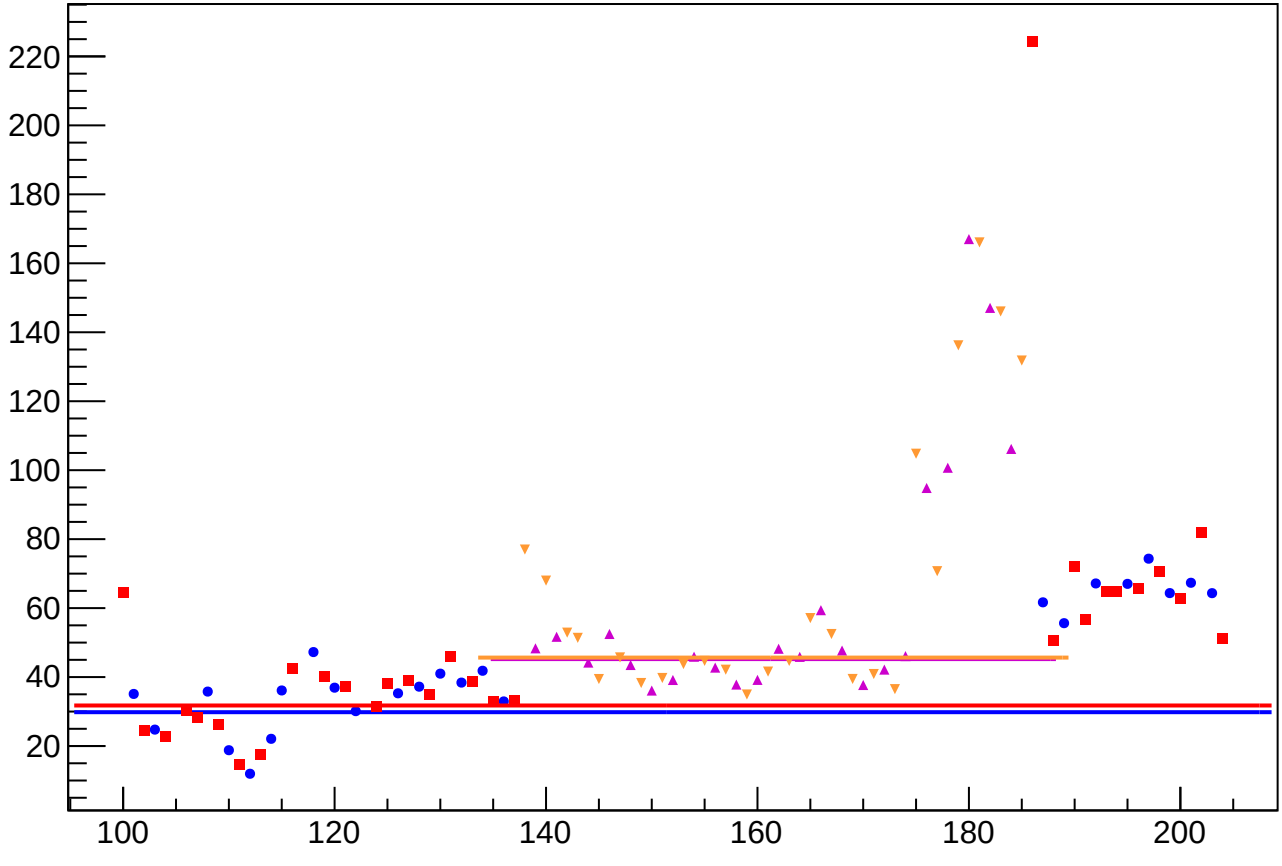
Right: 0.007+/-0.007 χ^2/NDF: 57.4/53

In: 0.013+/-0.007 χ^2/NDF:50.7/46

Out: -0.005+/-0.007 χ^2/NDF:46.8/54

All: 0.004+/-0.005 χ^2/NDF: 100.7/101

asym_sam_1548_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.816+/-0.007 χ^2/NDF: 6238072.5/23

Left Out: 45.650+/-0.008 χ^2/NDF:4015230.2/24

Right Out: 31.760+/-0.007 χ^2/NDF: 6504886.7/29

Left In: 45.217+/-0.008 χ^2/NDF:2992534.4/22

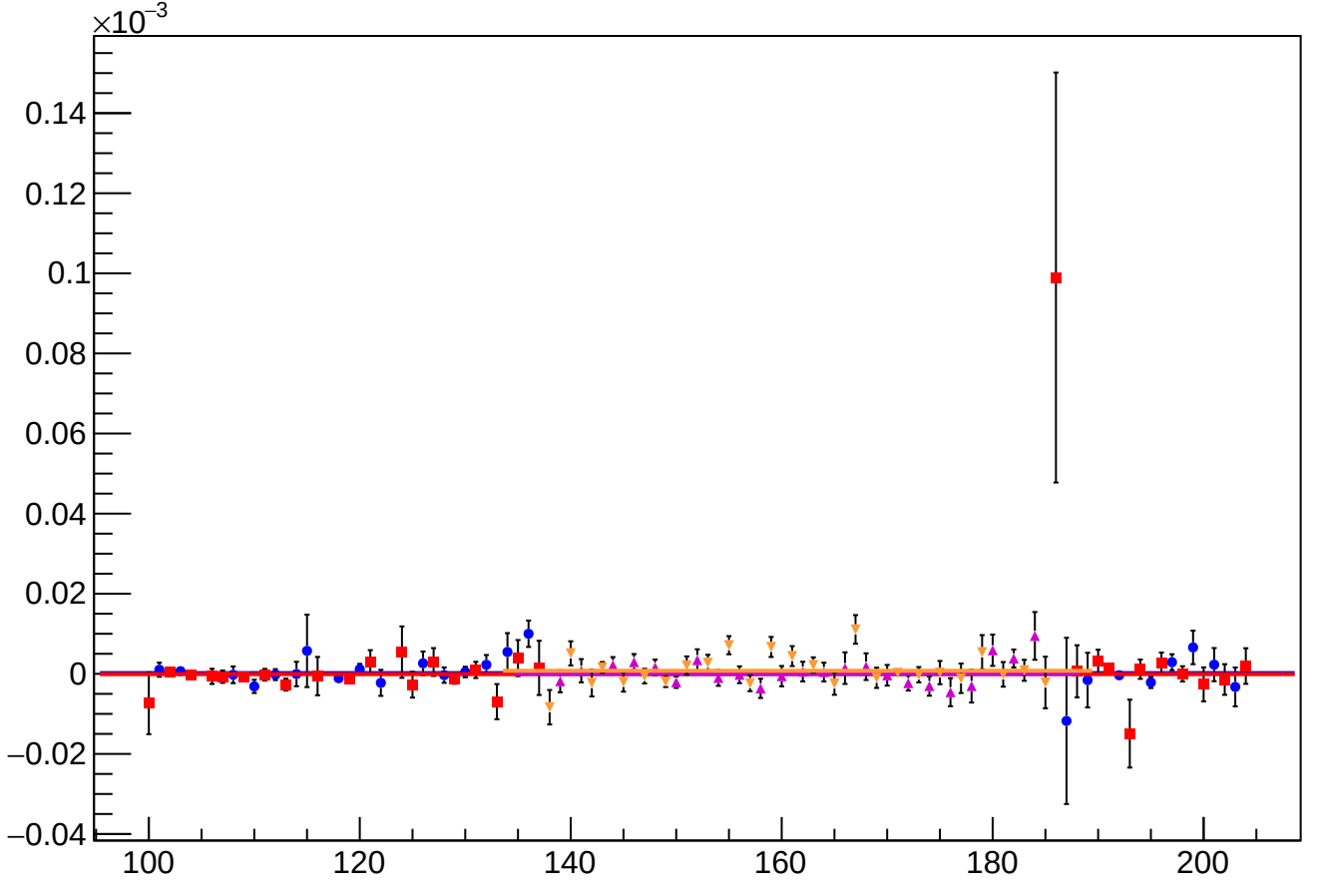
Left: 45.436+/-0.006 χ^2/NDF: 7009219.9/47

Right: 30.814+/-0.005 χ^2/NDF: 12784292.0/53

In: 36.264+/-0.005 χ^2/NDF:11346810.6/46

Out: 37.477+/-0.005 χ^2/NDF:12306304.1/54

All: 36.883+/-0.004 χ^2/NDF: 23680647.8/101



Right In: 0.000+/-0.000 χ^2/NDF: 27.7/23

Left Out: 0.000+/-0.000 χ^2/NDF:46.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 27.2/29

Left In: -0.000+/-0.000 χ^2/NDF:24.5/22

Left: 0.000+/-0.000 χ^2/NDF: 72.0/47

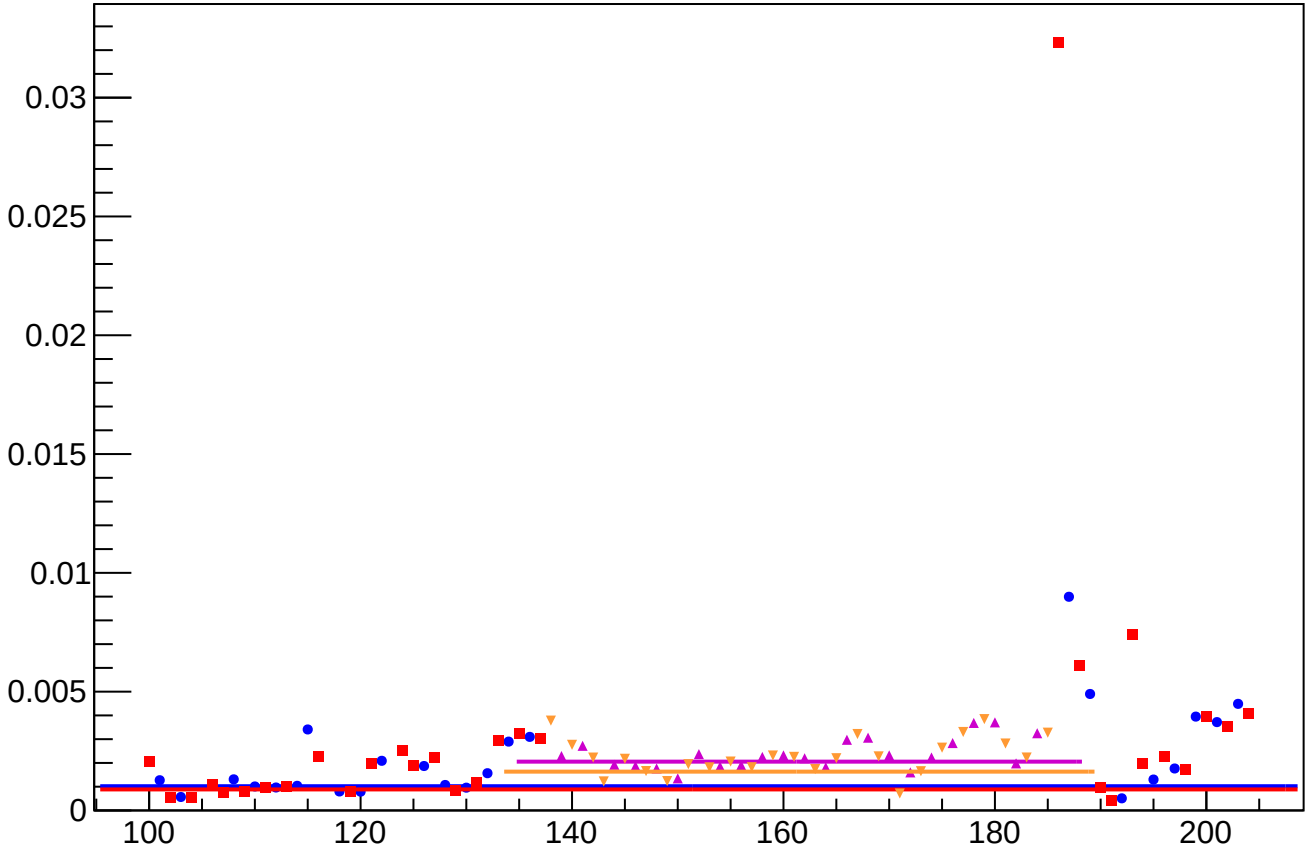
Right: 0.000+/-0.000 χ^2/NDF: 55.3/53

In: 0.000+/-0.000 χ^2/NDF:52.3/46

Out: 0.000+/-0.000 χ^2/NDF:76.2/54

All: 0.000+/-0.000 χ^2/NDF: 128.5/101

asym_sam_1548_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 7324688.0/23

Left Out: 0.002+/-0.000 χ^2/NDF:6495366.7/24

Right Out: 0.001+/-0.000 χ^2/NDF: 11737725.8/29

Left In: 0.002+/-0.000 χ^2/NDF:2093048.8/22

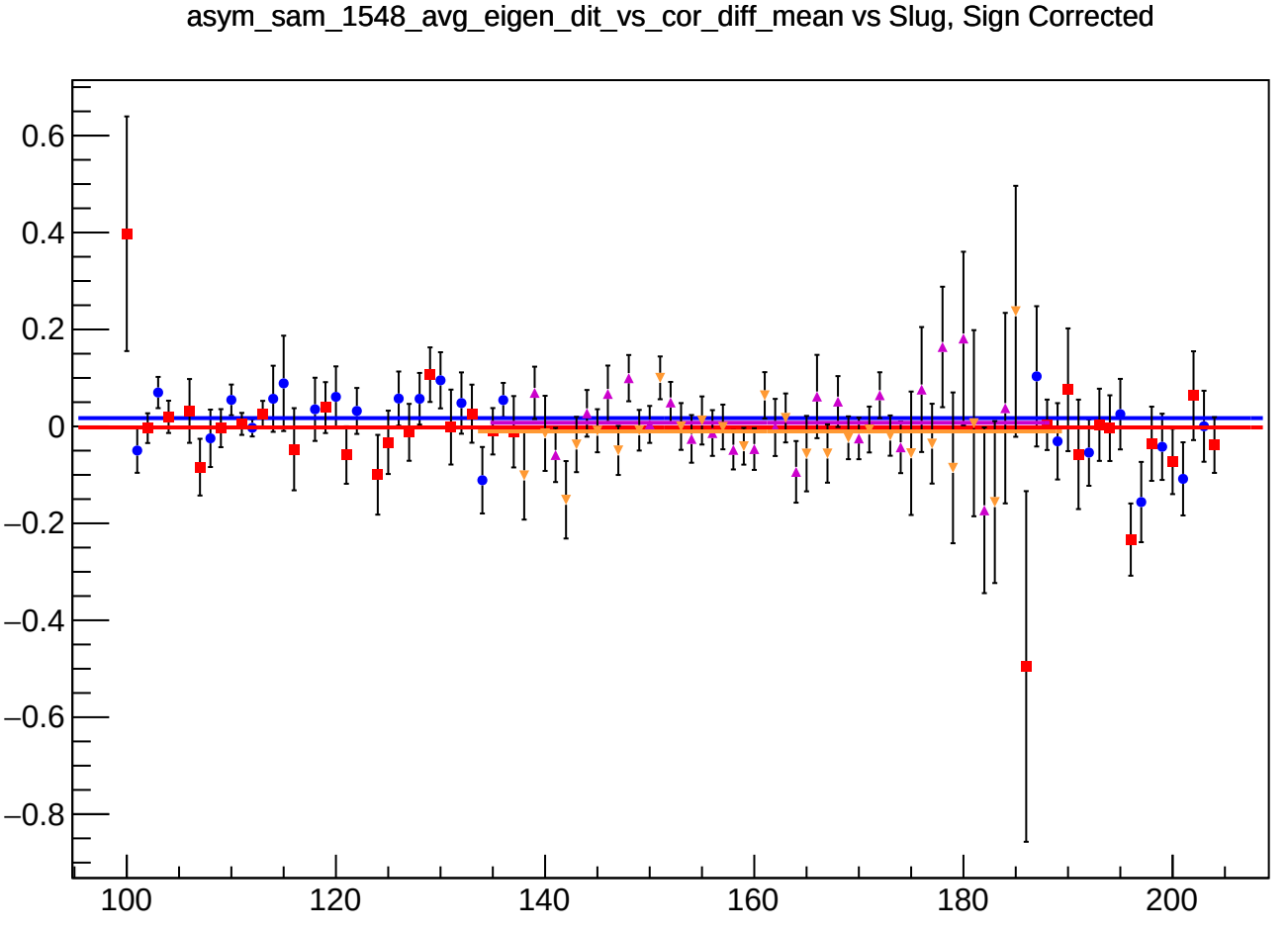
Left: 0.002+/-0.000 χ^2/NDF: 9430299.1/47

Right: 0.001+/-0.000 χ^2/NDF: 19232603.8/53

In: 0.001+/-0.000 χ^2/NDF:15106225.9/46

Out: 0.001+/-0.000 χ^2/NDF:22559470.1/54

All: 0.001+/-0.000 χ^2/NDF: 38342248.5/101



Right In: 0.017+/-0.010 χ^2/NDF: 27.0/23

Left Out: -0.010+/-0.011 χ^2/NDF:18.1/24

Right Out: -0.002+/-0.009 χ^2/NDF: 28.4/29

Left In: 0.008+/-0.011 χ^2/NDF:23.3/22

Left: -0.001+/-0.008 χ^2/NDF: 42.6/47

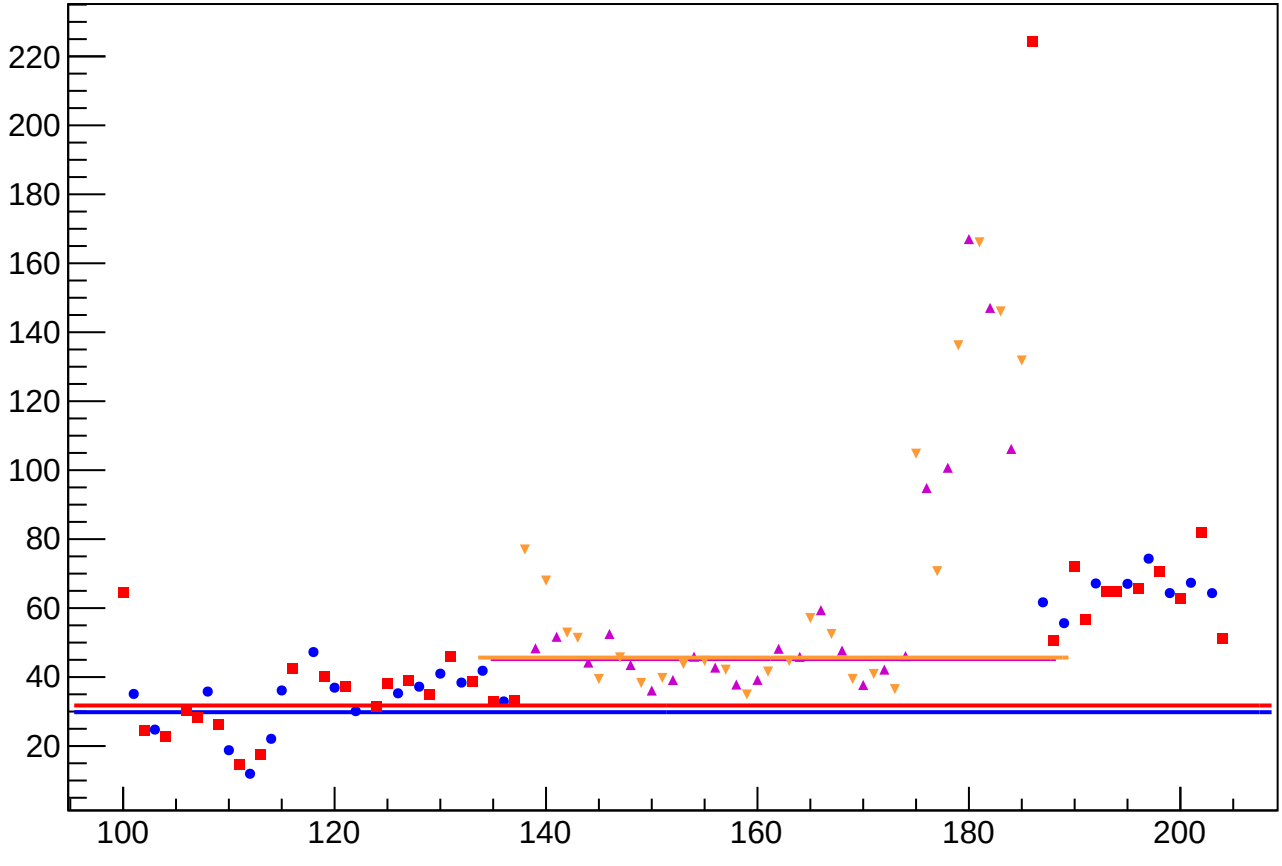
Right: 0.007+/-0.007 χ^2/NDF: 57.4/53

In: 0.013+/-0.007 χ^2/NDF:50.7/46

Out: -0.005+/-0.007 χ^2/NDF:46.8/54

All: 0.004+/-0.005 χ^2/NDF: 100.7/101

asym_sam_1548_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.815+/-0.007 χ^2/NDF: 6238303.6/23

Left Out: 45.651+/-0.008 χ^2/NDF:4015154.4/24

Right Out: 31.759+/-0.007 χ^2/NDF: 6505124.2/29

Left In: 45.218+/-0.008 χ^2/NDF:2992449.1/22

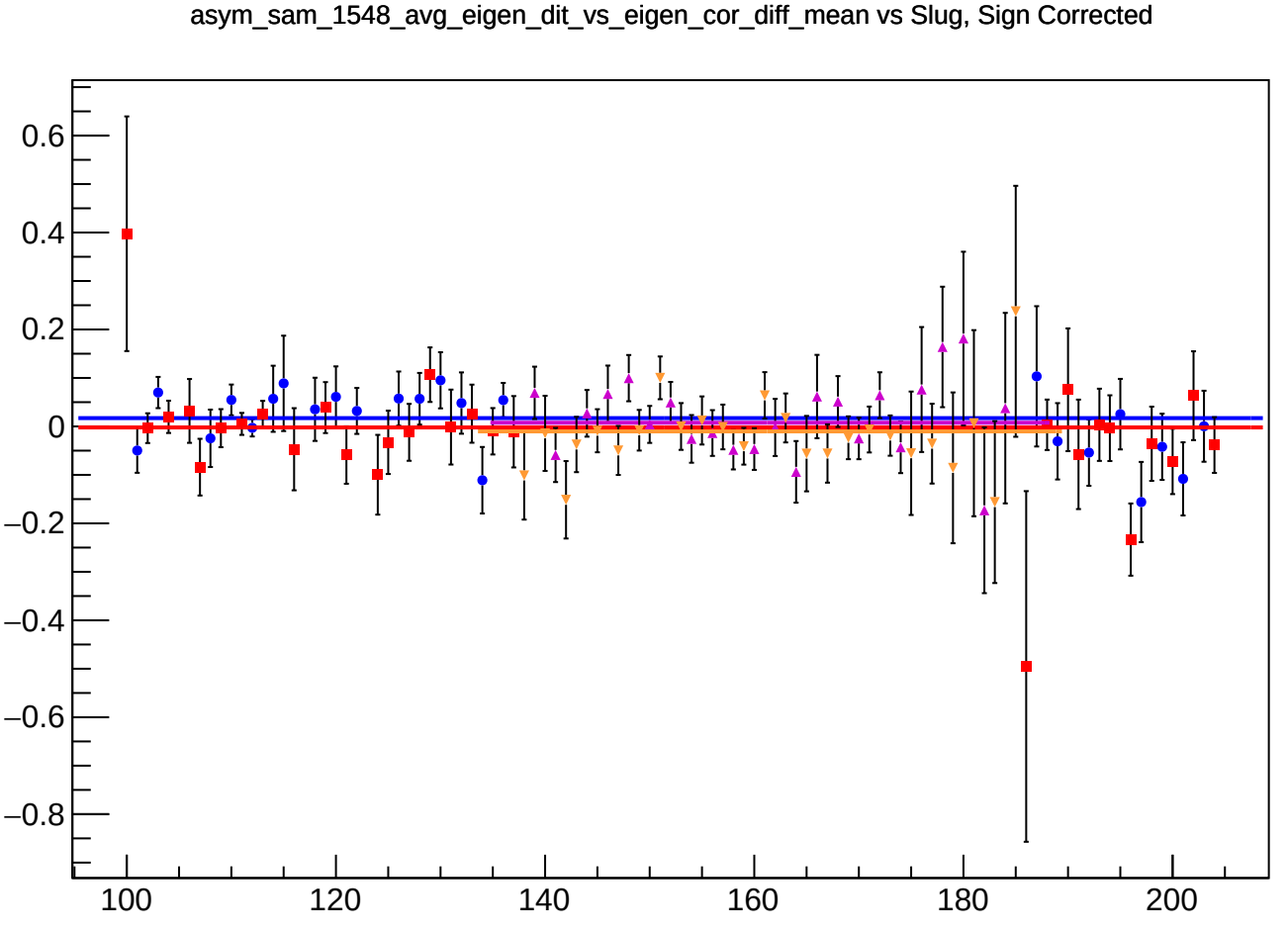
Left: 45.437+/-0.006 χ^2/NDF: 7009058.4/47

Right: 30.813+/-0.005 χ^2/NDF: 12784768.6/53

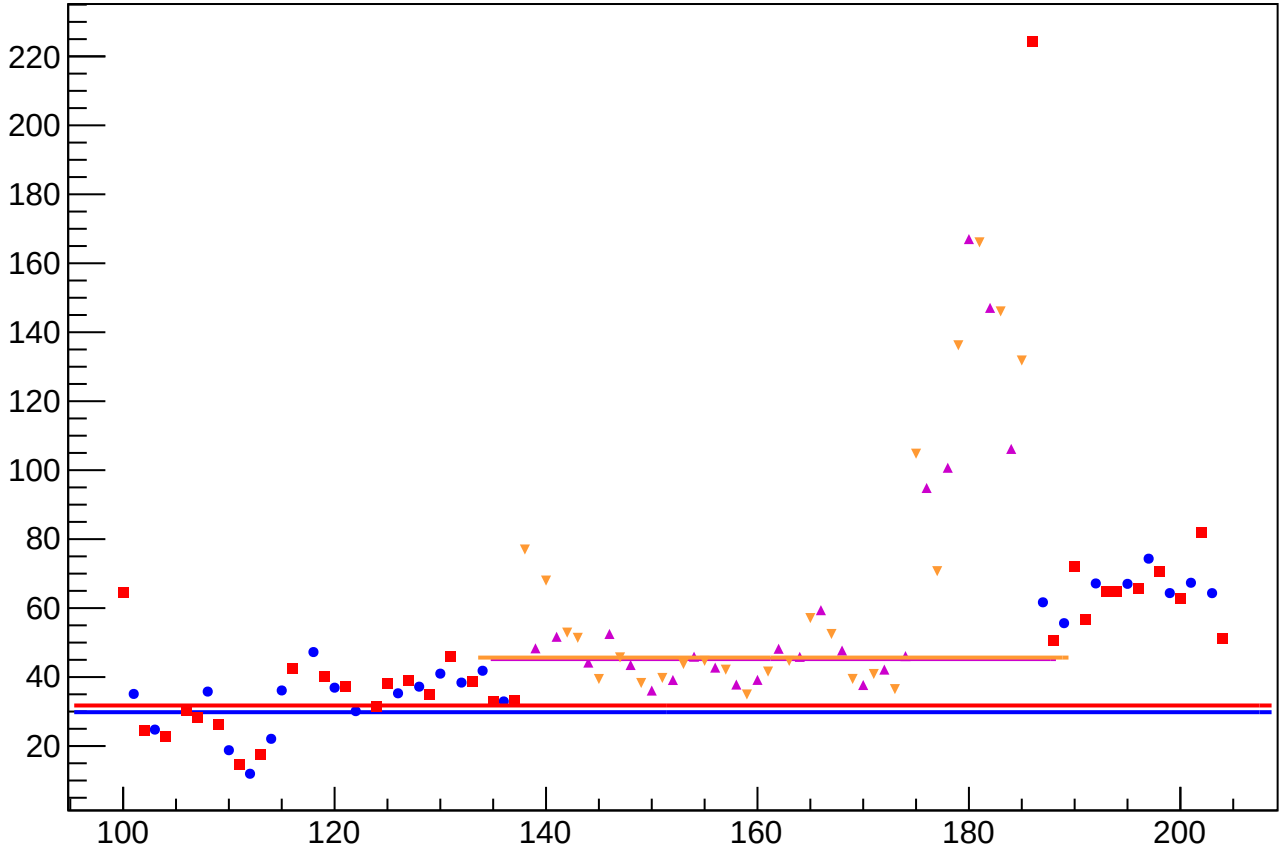
In: 36.263+/-0.005 χ^2/NDF:11347250.3/46

Out: 37.476+/-0.005 χ^2/NDF:12306678.8/54

All: 36.883+/-0.004 χ^2/NDF: 23681468.5/101


asym_sam_1548_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
100
120
140
160
180
200
Right In: 0.017+/-0.010 χ²/NDF: 27.0/23
Left Out: -0.010+/-0.011 χ²/NDF:18.1/24
Right Out: -0.002+/-0.009 χ²/NDF: 28.4/29
Left In: 0.008+/-0.011 χ²/NDF:23.3/22
Left: -0.001+/-0.008 χ²/NDF: 42.6/47
Right: 0.007+/-0.007 χ²/NDF: 57.4/53
In: 0.013+/-0.007 χ²/NDF:50.7/46
Out: -0.005+/-0.007 χ²/NDF:46.8/54
All: 0.004+/-0.005 χ²/NDF: 100.7/101

asym_sam_1548_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.815+/-0.007 χ^2/NDF: 6238303.6/23

Left Out: 45.651+/-0.008 χ^2/NDF:4015154.4/24

Right Out: 31.759+/-0.007 χ^2/NDF: 6505124.2/29

Left In: 45.218+/-0.008 χ^2/NDF:2992449.1/22

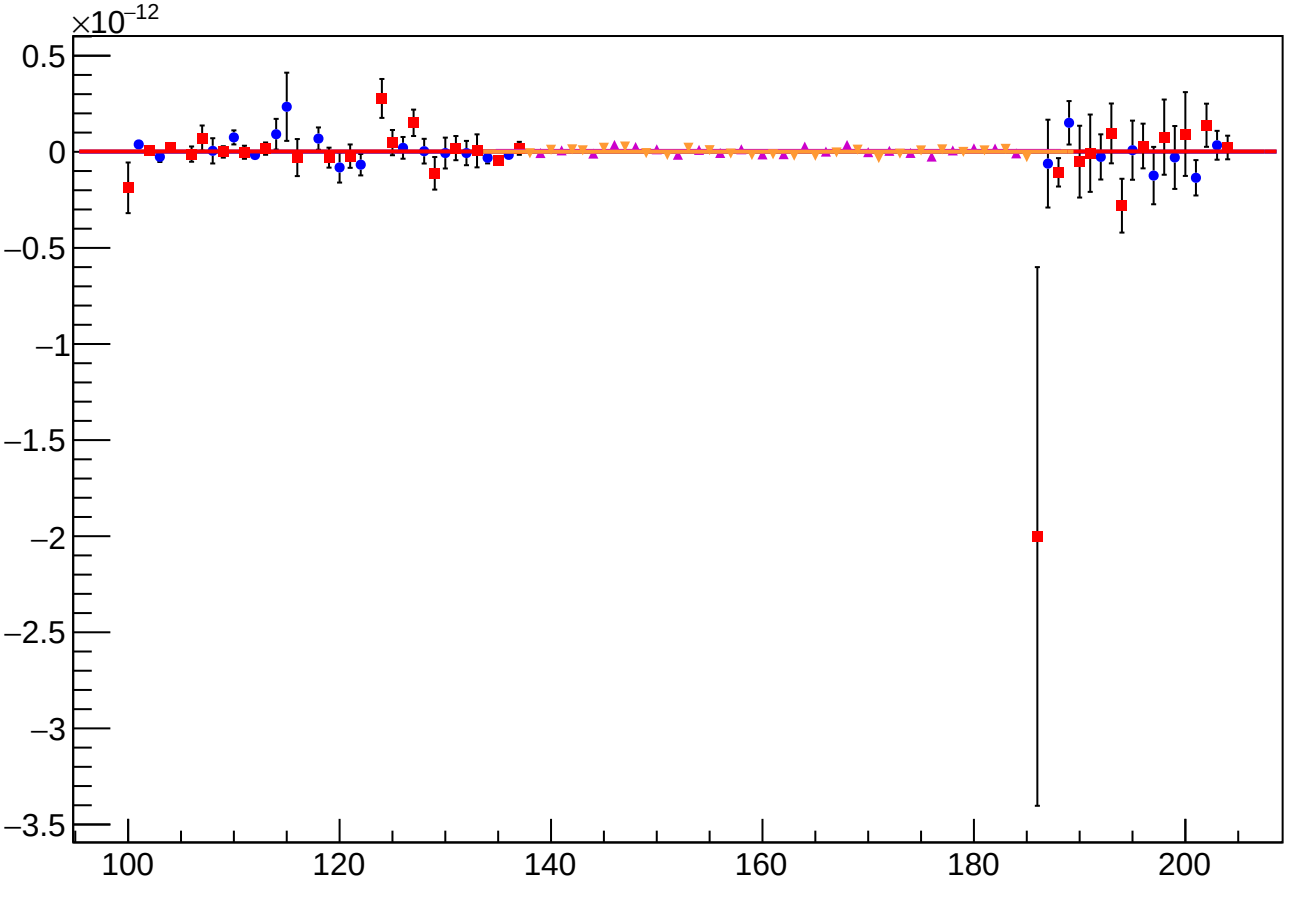
Left: 45.437+/-0.006 χ^2/NDF: 7009058.4/47

Right: 30.813+/-0.005 χ^2/NDF: 12784768.6/53

In: 36.263+/-0.005 χ^2/NDF:11347250.3/46

Out: 37.476+/-0.005 χ^2/NDF:12306678.8/54

All: 36.883+/-0.004 χ^2/NDF: 23681468.5/101



Right In: 0.000+/-0.000 χ^2/NDF: 23.7/23

Left Out: 0.000+/-0.000 χ^2/NDF:25.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 34.2/29

Left In: 0.000+/-0.000 χ^2/NDF:23.7/22

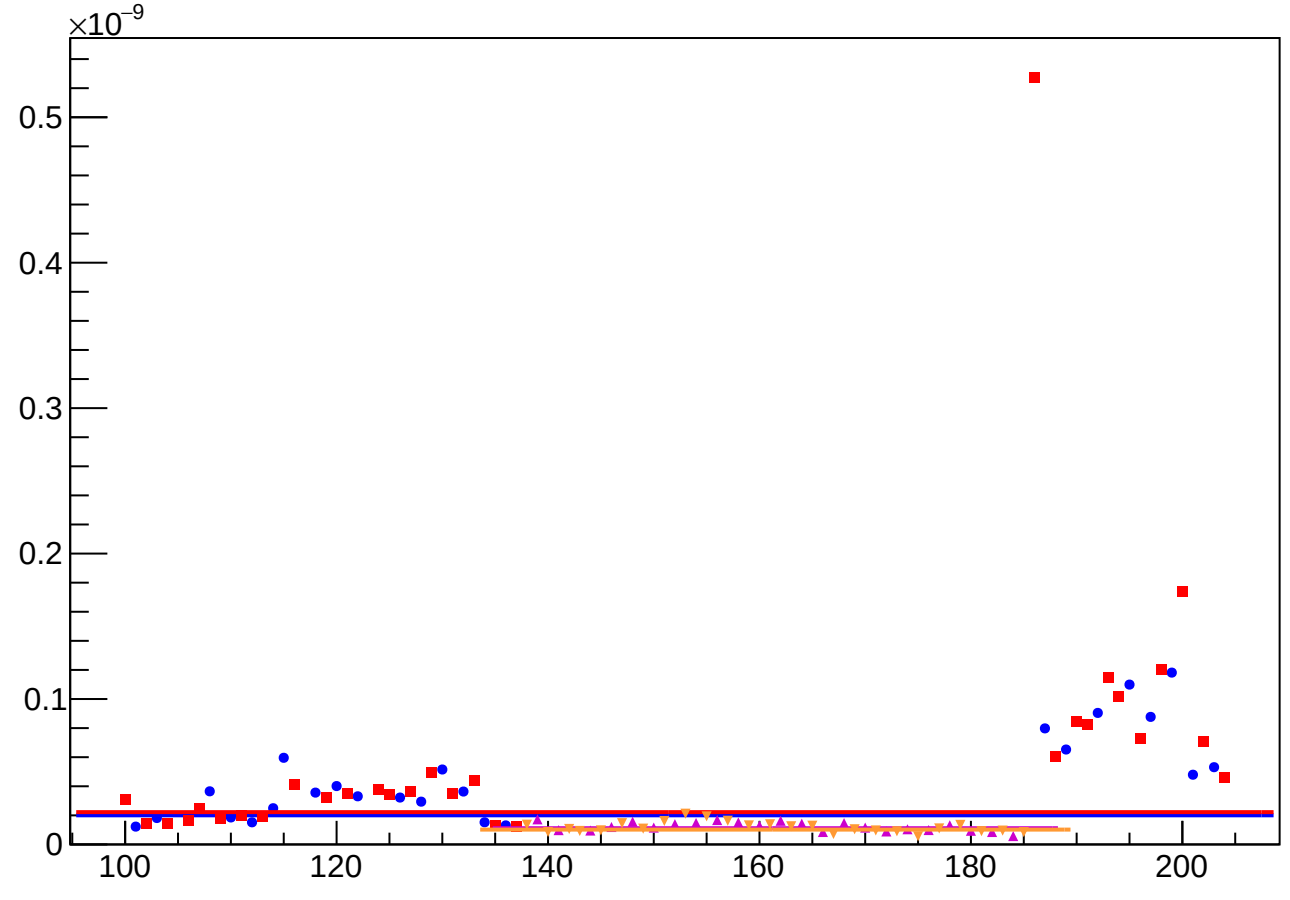
Left: 0.000+/-0.000 χ^2/NDF: 49.9/47

Right: 0.000+/-0.000 χ^2/NDF: 57.9/53

In: 0.000+/-0.000 χ^2/NDF:47.6/46

Out: 0.000+/-0.000 χ^2/NDF:59.6/54

All: 0.000+/-0.000 χ^2/NDF: 107.9/101



Right In: 0.000+/-0.000 χ^2/NDF: 5560020.7/23

Left Out: 0.000+/-0.000 χ^2/NDF:2257651.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6936556.2/29

Left In: 0.000+/-0.000 χ^2/NDF:1536588.2/22

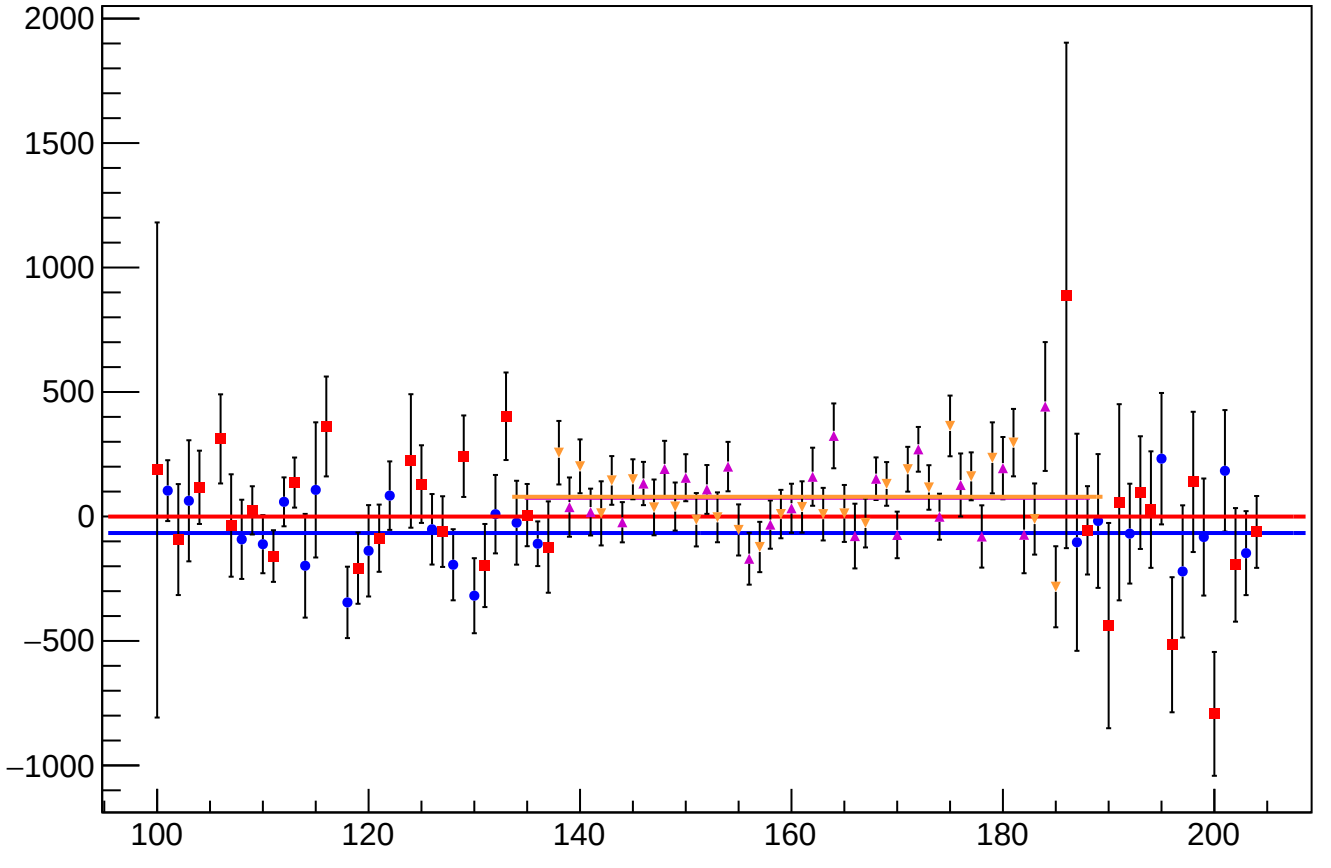
Left: 0.000+/-0.000 χ^2/NDF: 3895034.6/47

Right: 0.000+/-0.000 χ^2/NDF: 12560246.2/53

In: 0.000+/-0.000 χ^2/NDF:9012071.6/46

Out: 0.000+/-0.000 χ^2/NDF:12522749.0/54

All: 0.000+/-0.000 χ^2/NDF: 21627558.9/101



Right In: -66.476+/-32.390 χ^2/NDF: 17.0/23

Left Out: 79.098+/-21.102 χ^2/NDF:32.0/24

Right Out: -0.423+/-30.932 χ^2/NDF: 41.9/29

Left In: 75.048+/-21.837 χ^2/NDF:32.6/22

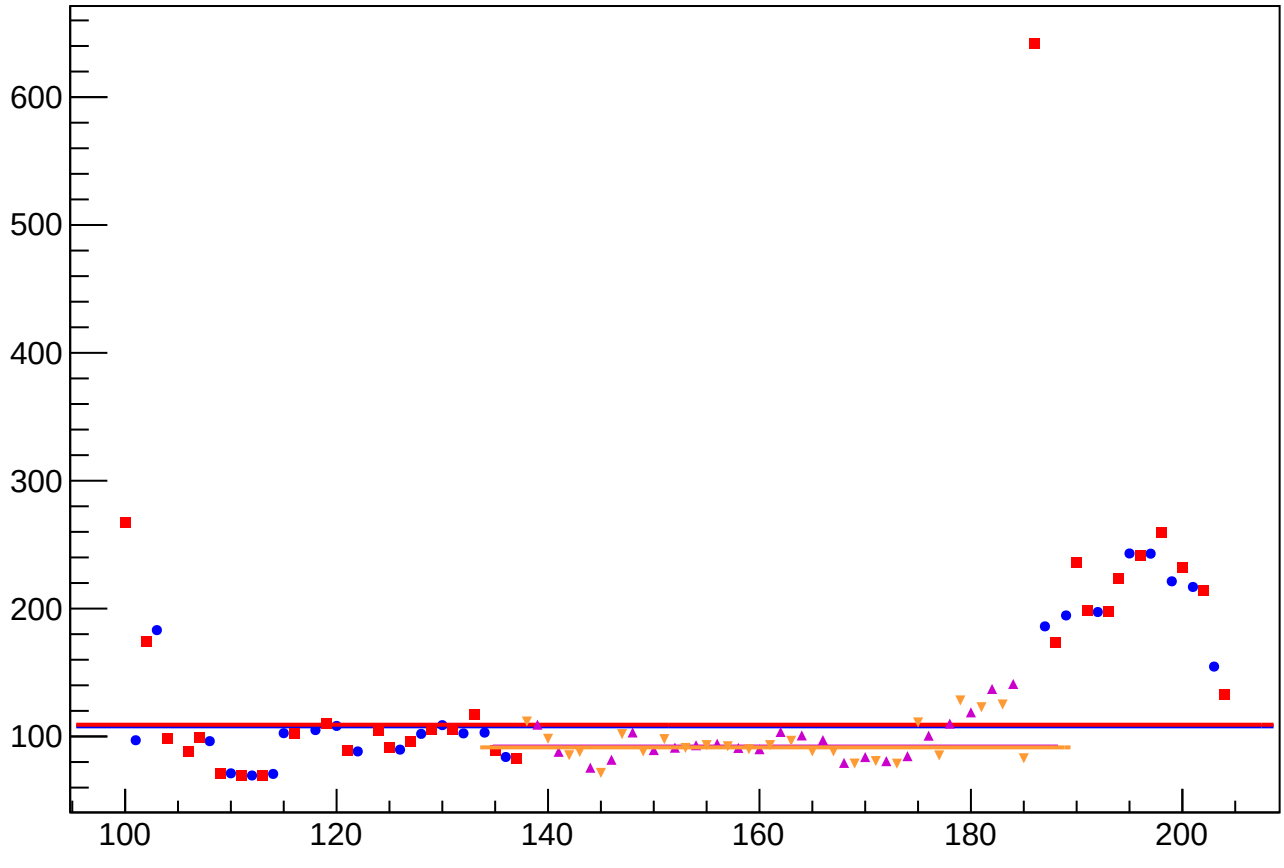
Left: 77.142+/-15.175 χ^2/NDF: 64.6/47

Right: -31.929+/-22.370 χ^2/NDF: 61.1/53

In: 30.823+/-18.106 χ^2/NDF:62.8/46

Out: 53.842+/-17.432 χ^2/NDF:78.4/54

All: 42.769+/-12.558 χ^2/NDF: 142.0/101



Right In: 107.910+/-0.023 χ^2/NDF: 3741510.6/23

Left Out: 91.462+/-0.015 χ^2/NDF:751213.9/24

Right Out: 109.194+/-0.022 χ^2/NDF: 5277083.9/29

Left In: 92.100+/-0.015 χ^2/NDF:699590.1/22

Left: 91.770+/-0.011 χ^2/NDF: 1451688.8/47

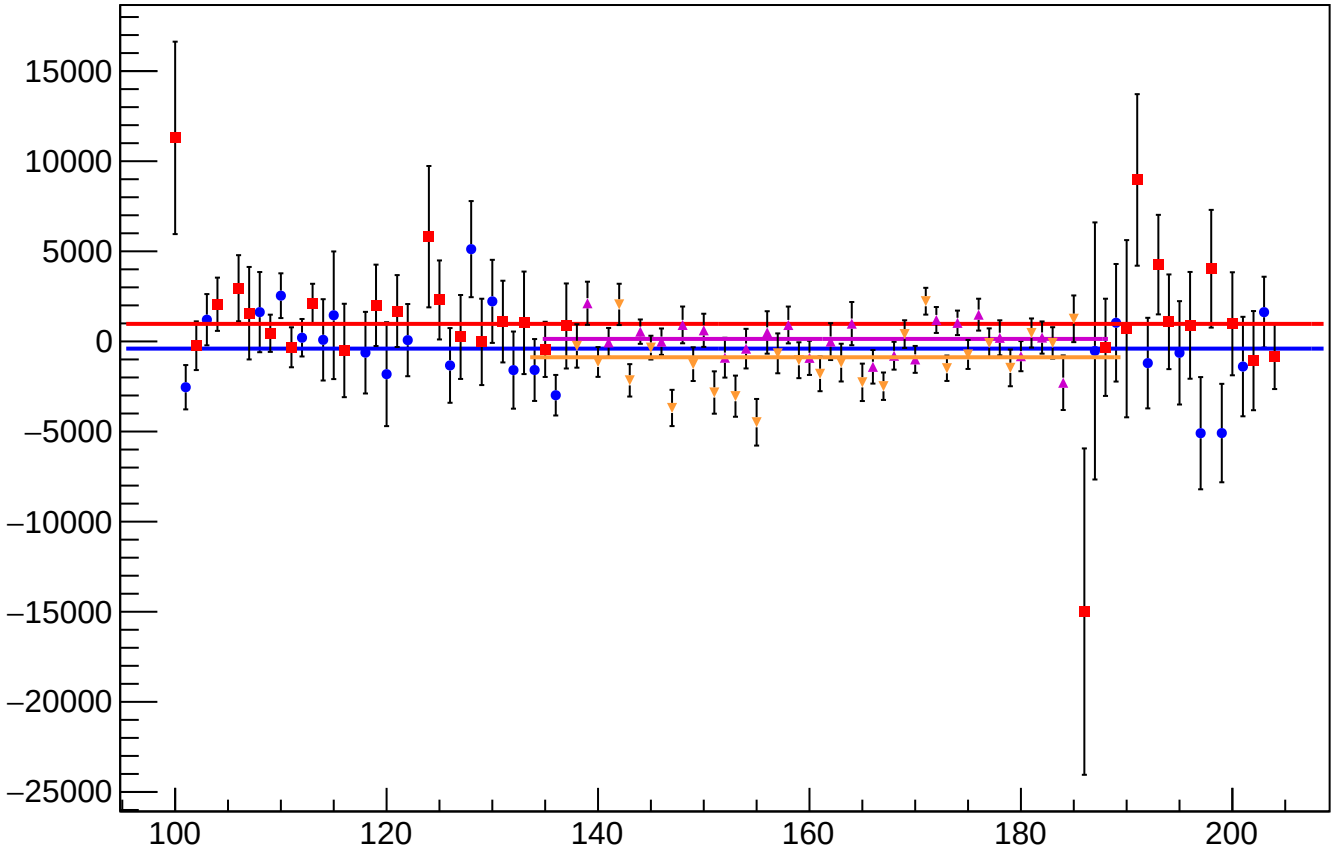
Right: 108.581+/-0.016 χ^2/NDF: 9020237.1/53

In: 97.041+/-0.013 χ^2/NDF:4768688.3/46

Out: 97.093+/-0.012 χ^2/NDF:6476804.0/54

All: 97.068+/-0.009 χ^2/NDF: 11245501.0/101

asym_sam_3748_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -399.127+/-386.290 χ^2/NDF: 30.3/23

Left Out: -878.463+/-182.188 χ^2/NDF:67.7/24

Right Out: 973.291+/-365.127 χ^2/NDF: 22.7/29

Left In: 138.728+/-186.573 χ^2/NDF:24.2/22

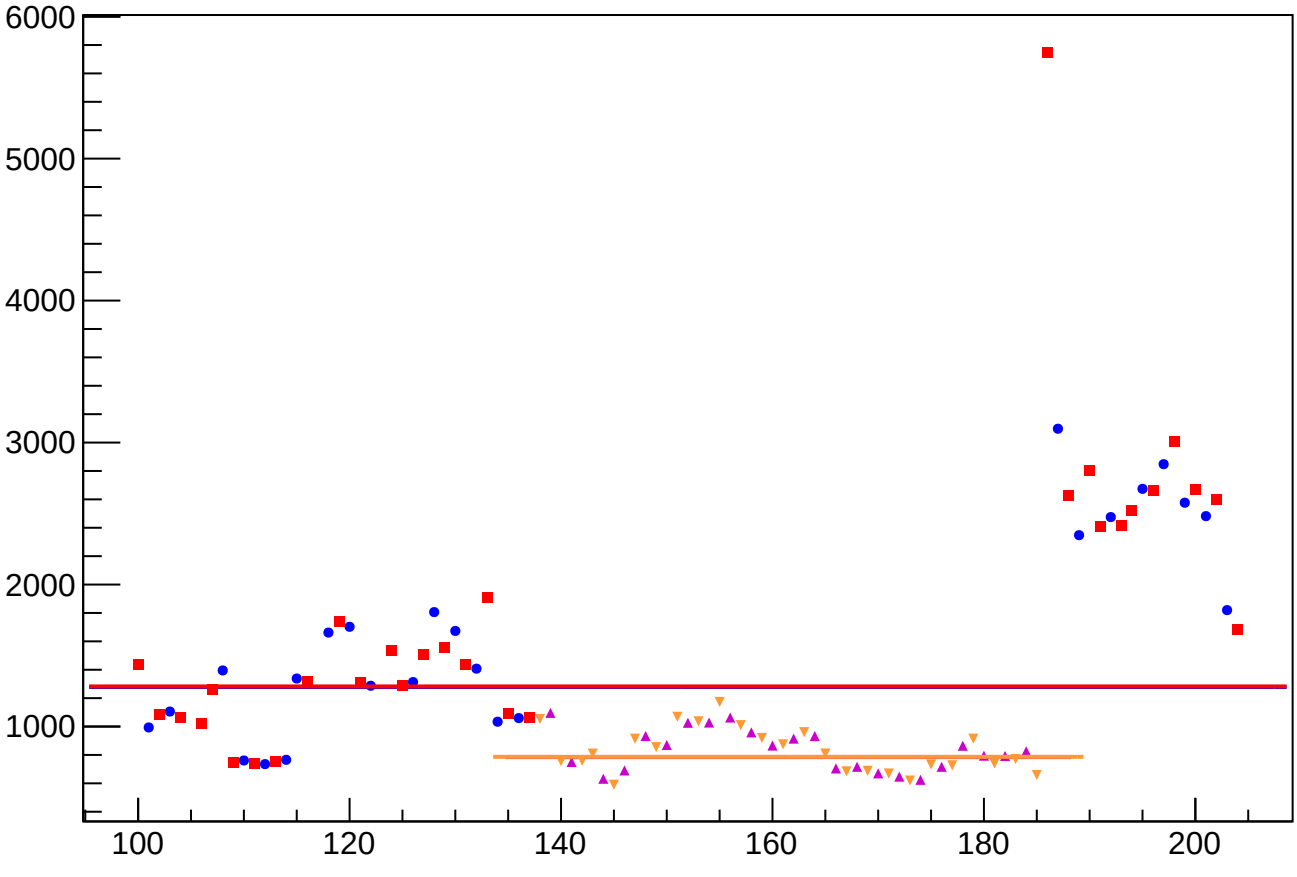
Left: -381.963+/-130.349 χ^2/NDF: 107.1/47

Right: 325.703+/-265.350 χ^2/NDF: 59.6/53

In: 36.991+/-168.004 χ^2/NDF:56.0/46

Out: -509.332+/-163.021 χ^2/NDF:111.0/54

All: -244.393+/-116.995 χ^2/NDF: 172.4/101



Right In: 1278.852+/-0.273 χ^2/NDF: 4265219.1/23

Left Out: 786.758+/-0.129 χ^2/NDF:1210893.0/24

Right Out: 1282.364+/-0.258 χ^2/NDF: 5975193.9/29

Left In: 784.833+/-0.132 χ^2/NDF:1063747.2/22

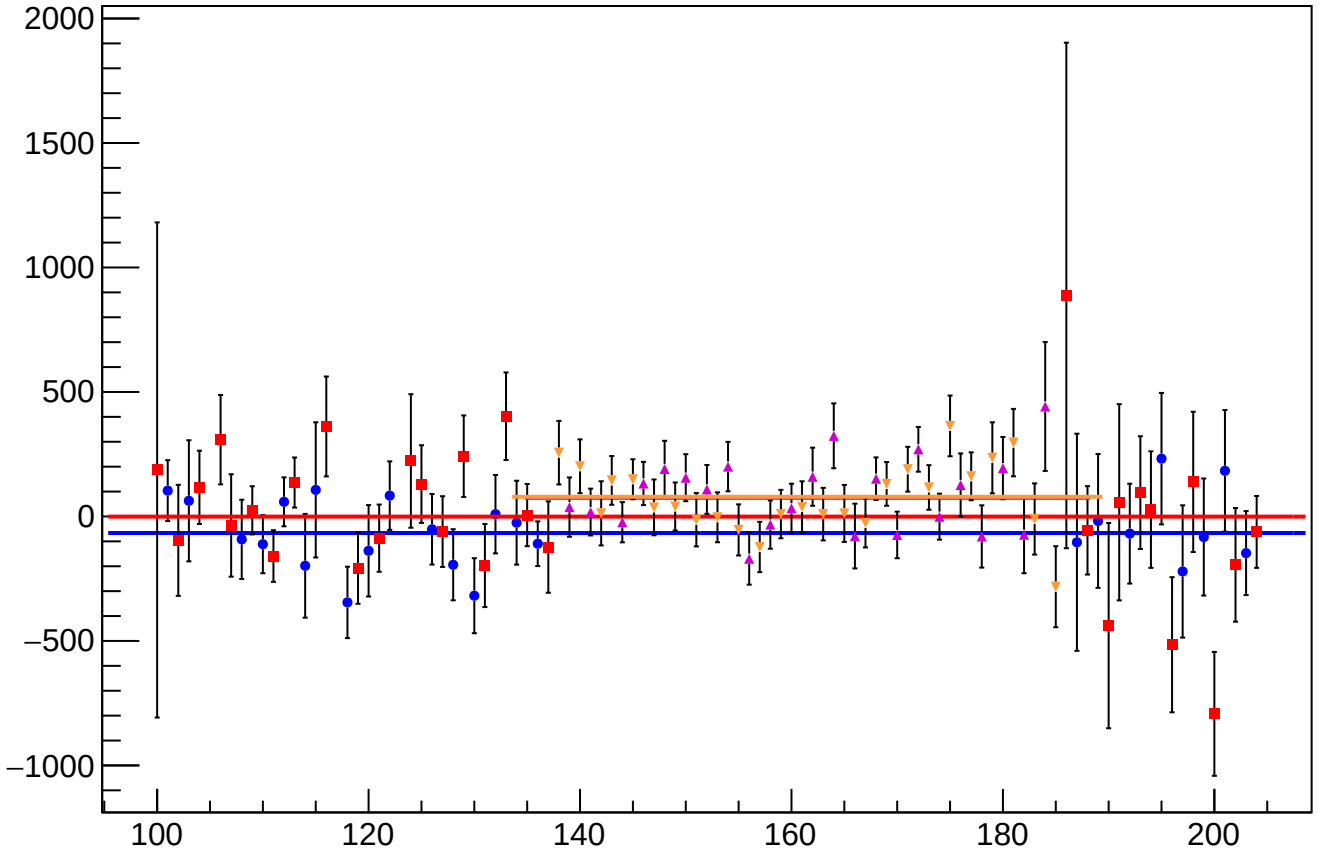
Left: 785.819+/-0.092 χ^2/NDF: 2274749.2/47

Right: 1280.707+/-0.188 χ^2/NDF: 10240500.3/53

In: 878.278+/-0.119 χ^2/NDF:7981316.7/46

Out: 885.553+/-0.115 χ^2/NDF:10136356.2/54

All: 882.025+/-0.083 χ^2/NDF: 18119604.4/10



Right In: -66.486+/-32.390 χ^2/NDF: 17.0/23

Left Out: 79.106+/-21.102 χ^2/NDF:32.0/24

Right Out: -0.632+/-30.935 χ^2/NDF: 41.8/29

Left In: 75.049+/-21.837 χ^2/NDF:32.6/22

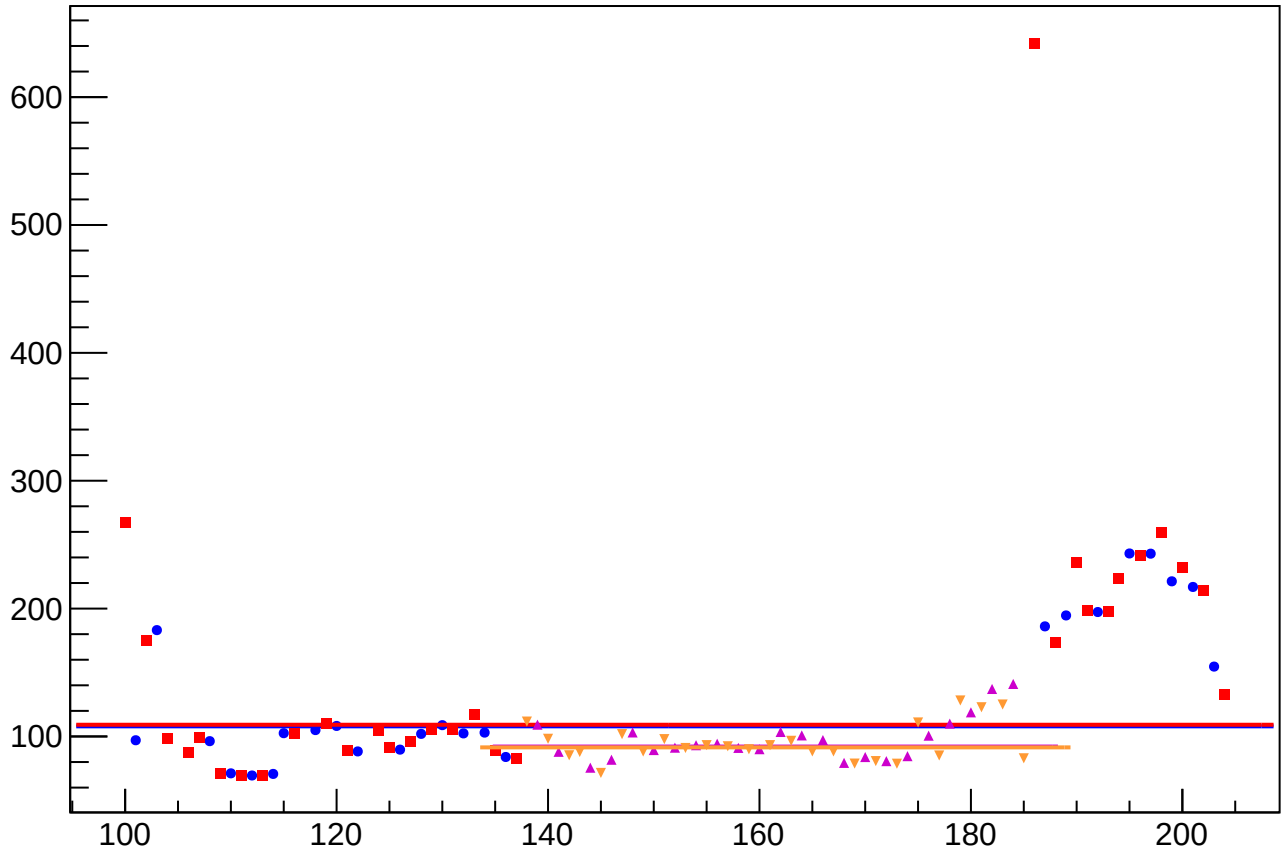
Left: 77.147+/-15.175 χ^2/NDF: 64.6/47

Right: -32.046+/-22.371 χ^2/NDF: 61.0/53

In: 30.820+/-18.106 χ^2/NDF:62.8/46

Out: 53.785+/-17.432 χ^2/NDF:78.3/54

All: 42.738+/-12.558 χ^2/NDF: 141.9/101



Right In: 107.910+/-0.023 χ^2/NDF: 3741513.7/23

Left Out: 91.462+/-0.015 χ^2/NDF:751213.9/24

Right Out: 109.159+/-0.022 χ^2/NDF: 5280605.2/29

Left In: 92.100+/-0.015 χ^2/NDF:699590.1/22

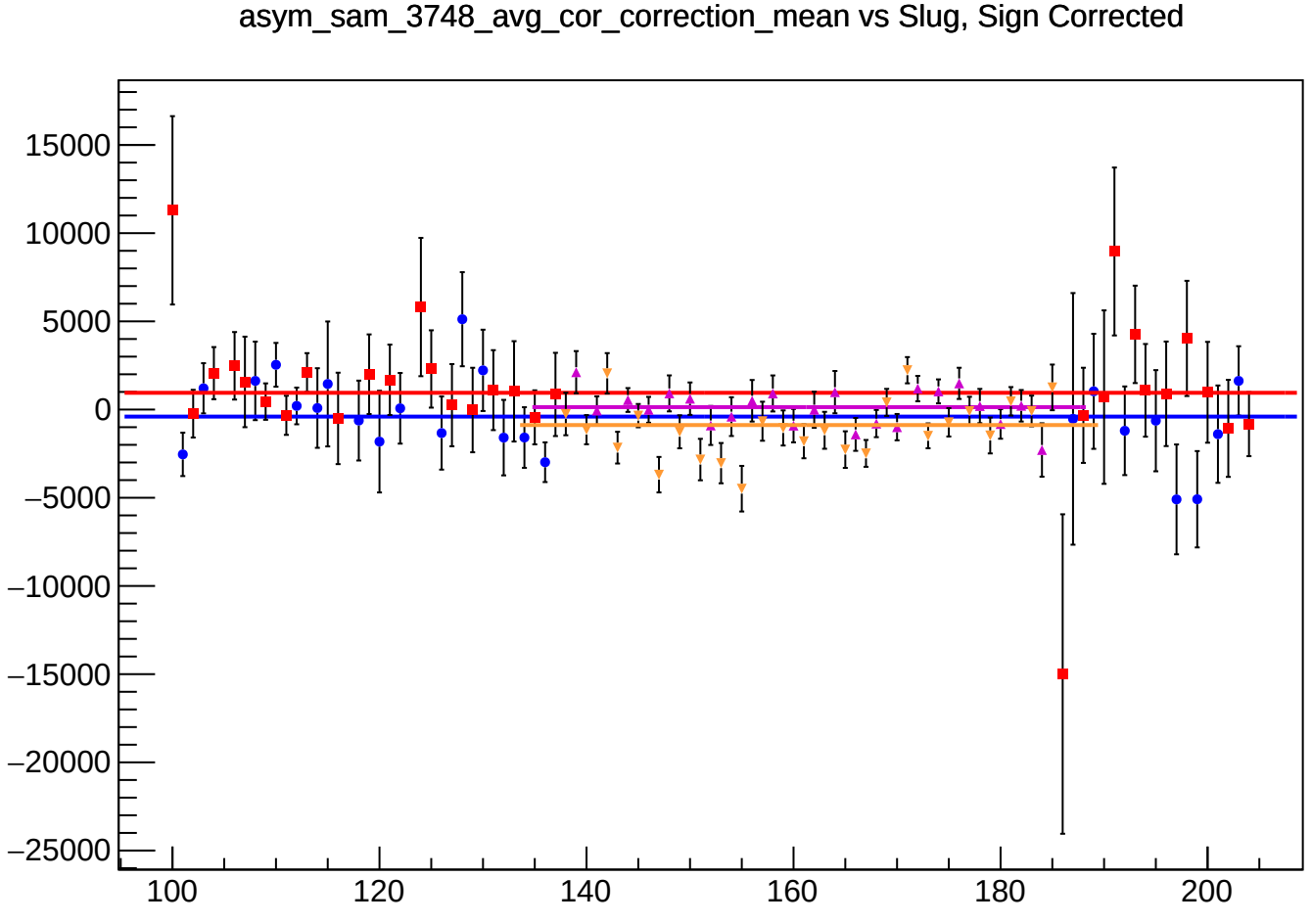
Left: 91.770+/-0.011 χ^2/NDF: 1451688.9/47

Right: 108.563+/-0.016 χ^2/NDF: 9023673.2/53

In: 97.041+/-0.013 χ^2/NDF:4768691.4/46

Out: 97.082+/-0.012 χ^2/NDF:6478501.2/54

All: 97.062+/-0.009 χ^2/NDF: 11247197.9/101



Right In: -399.144+/-386.292 χ^2/NDF: 30.3/23

Left Out: -878.453+/-182.188 χ^2/NDF:67.7/24

Right Out: 950.273+/-365.738 χ^2/NDF: 22.1/29

Left In: 138.730+/-186.573 χ^2/NDF:24.2/22

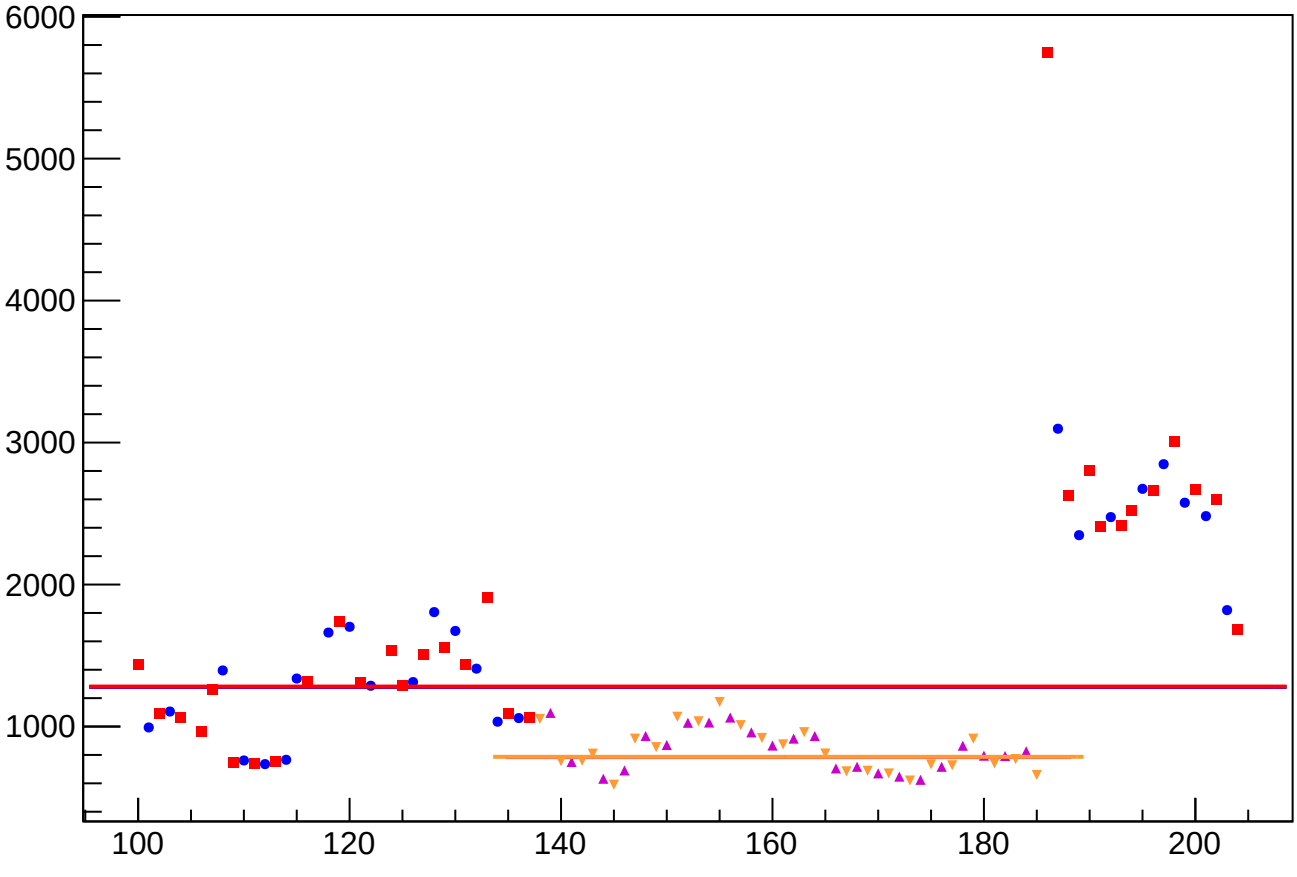
Left: -381.957+/-130.349 χ^2/NDF: 107.1/47

Right: 312.419+/-265.585 χ^2/NDF: 58.8/53

In: 36.991+/-168.004 χ^2/NDF:56.0/46

Out: -514.888+/-163.075 χ^2/NDF:109.9/54

All: -247.163+/-117.015 χ^2/NDF: 171.4/101



Right In: 1278.863+/-0.273 χ^2/NDF: 4265180.5/23

Left Out: 786.758+/-0.129 χ^2/NDF:1210893.0/24

Right Out: 1281.202+/-0.259 χ^2/NDF: 5989367.1/29

Left In: 784.833+/-0.132 χ^2/NDF:1063746.9/22

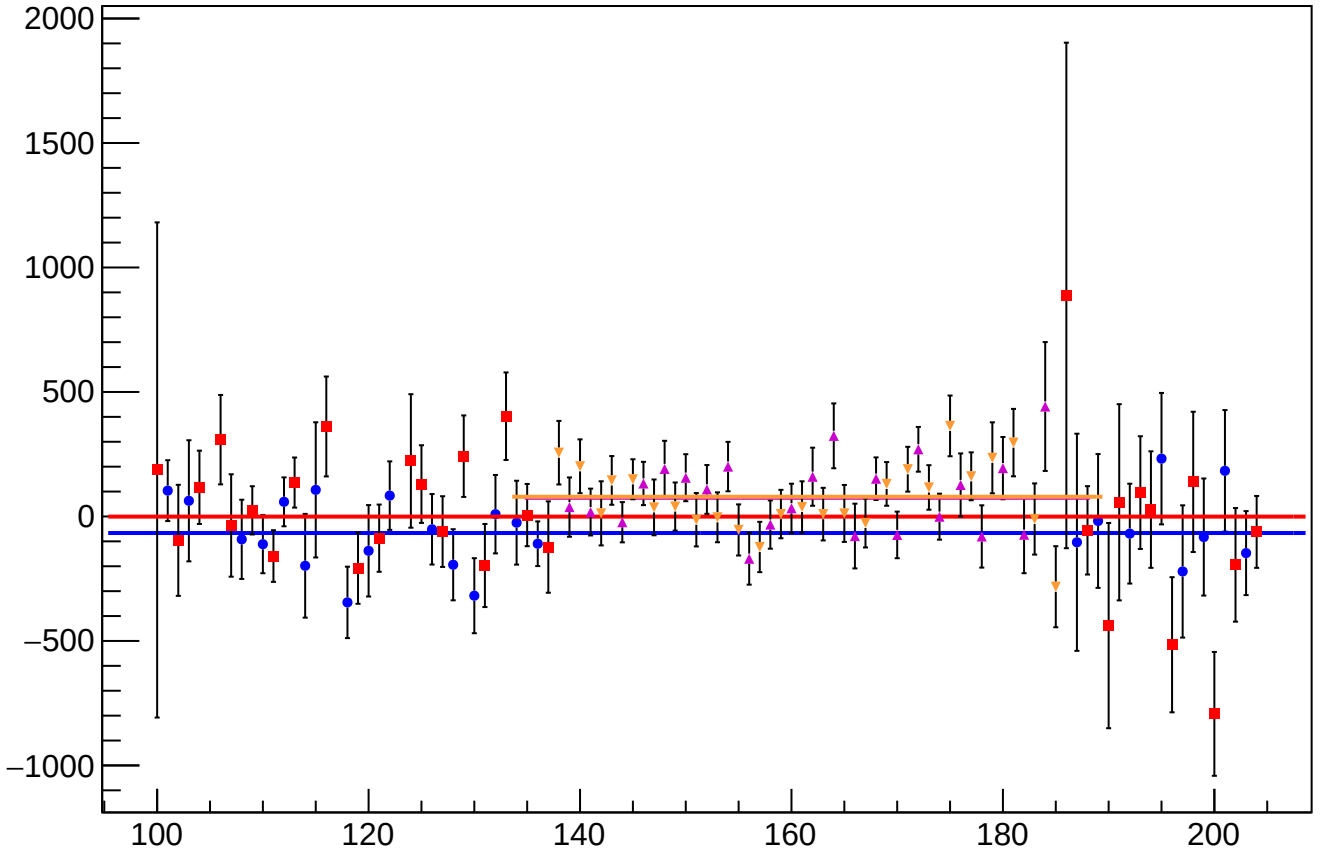
Left: 785.819+/-0.092 χ^2/NDF: 2274748.8/47

Right: 1280.096+/-0.188 χ^2/NDF: 10254586.3/53

In: 878.279+/-0.119 χ^2/NDF:7981354.3/46

Out: 885.058+/-0.115 χ^2/NDF:10128865.2/54

All: 881.769+/-0.083 χ^2/NDF: 18111895.8/10



Right In: -66.486+/-32.390 χ^2/NDF: 17.0/23

Left Out: 79.106+/-21.102 χ^2/NDF:32.0/24

Right Out: -0.632+/-30.935 χ^2/NDF: 41.8/29

Left In: 75.049+/-21.837 χ^2/NDF:32.6/22

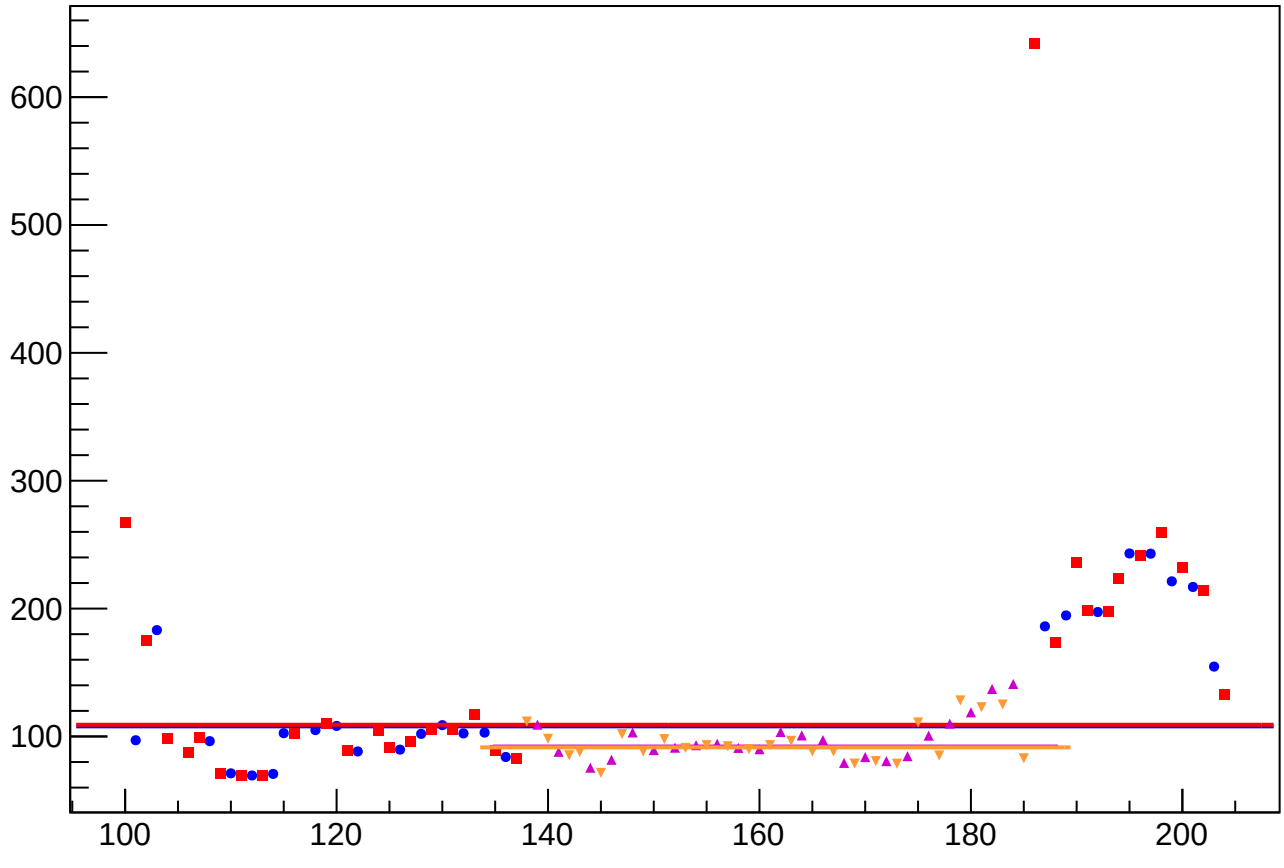
Left: 77.147+/-15.175 χ^2/NDF: 64.6/47

Right: -32.046+/-22.371 χ^2/NDF: 61.0/53

In: 30.820+/-18.106 χ^2/NDF:62.8/46

Out: 53.785+/-17.432 χ^2/NDF:78.3/54

All: 42.738+/-12.558 χ^2/NDF: 141.9/101



Right In: 107.910+/-0.023 χ^2/NDF: 3741513.7/23

Left Out: 91.462+/-0.015 χ^2/NDF:751213.9/24

Right Out: 109.159+/-0.022 χ^2/NDF: 5280605.2/29

Left In: 92.100+/-0.015 χ^2/NDF:699590.1/22

Left: 91.770+/-0.011 χ^2/NDF: 1451688.9/47

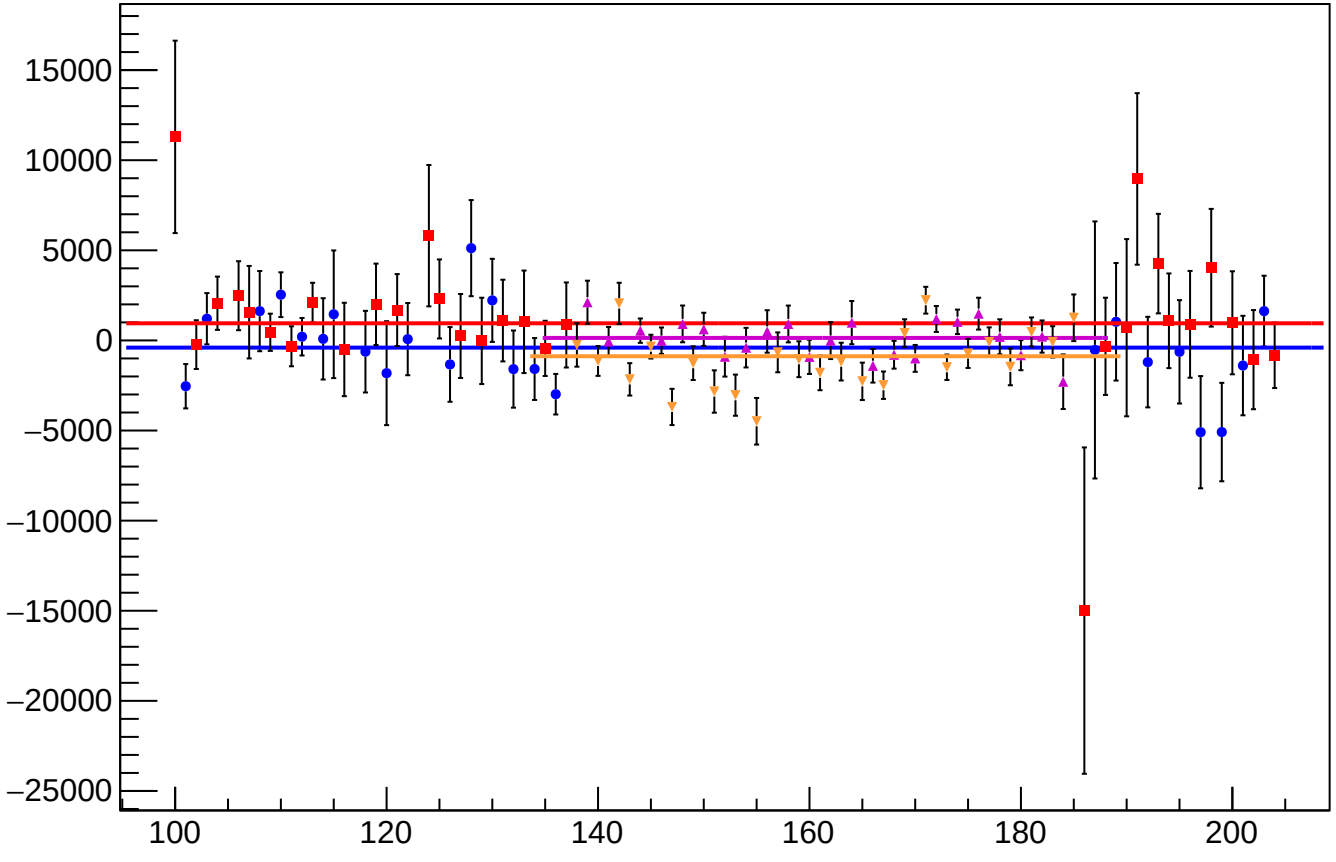
Right: 108.563+/-0.016 χ^2/NDF: 9023673.2/53

In: 97.041+/-0.013 χ^2/NDF:4768691.4/46

Out: 97.082+/-0.012 χ^2/NDF:6478501.2/54

All: 97.062+/-0.009 χ^2/NDF: 11247197.9/101

asym_sam_3748_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -399.144+/-386.292 χ^2/NDF: 30.3/23

Left Out: -878.453+/-182.188 χ^2/NDF:67.7/24

Right Out: 950.273+/-365.738 χ^2/NDF: 22.1/29

Left In: 138.730+/-186.573 χ^2/NDF:24.2/22

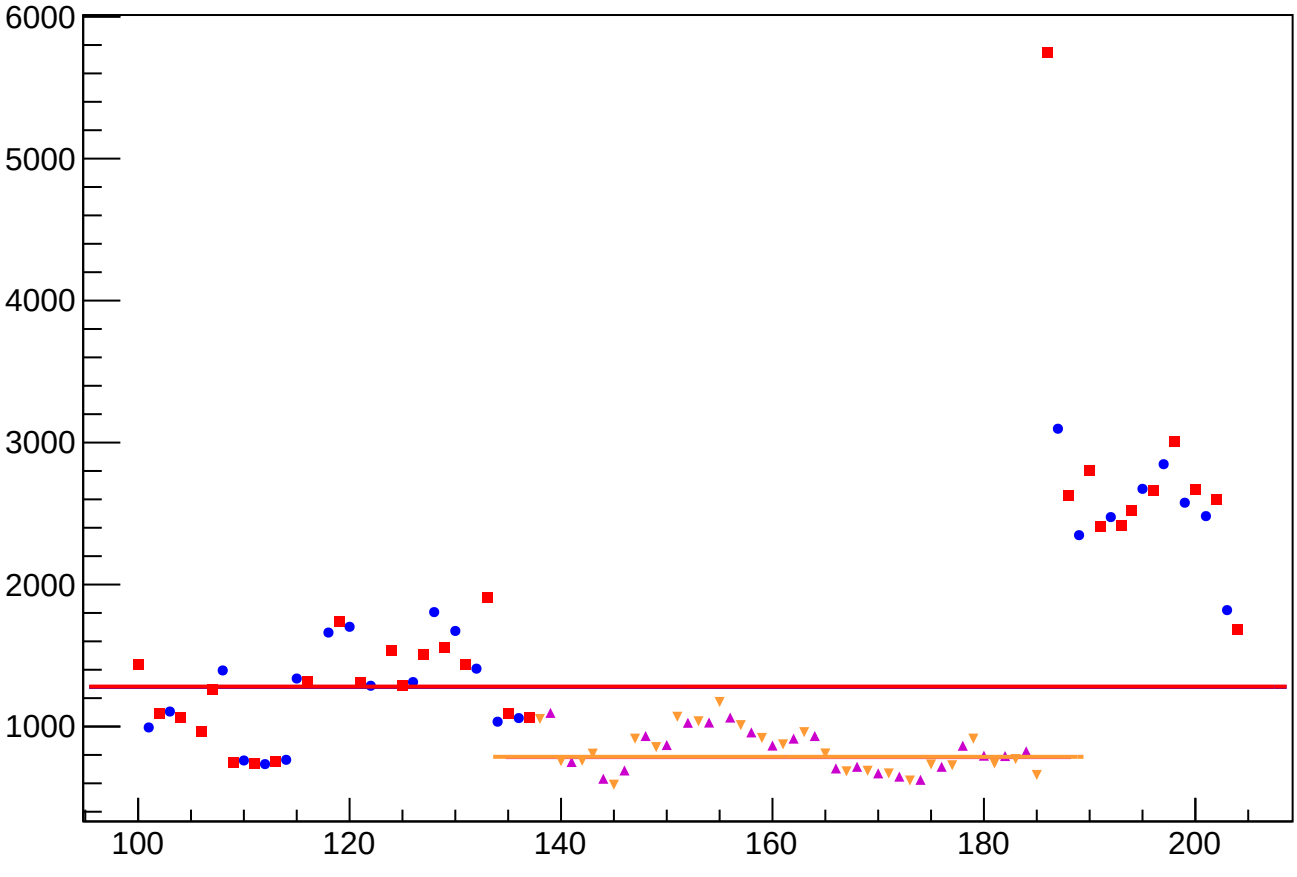
Left: -381.957+/-130.349 χ^2/NDF: 107.1/47

Right: 312.419+/-265.585 χ^2/NDF: 58.8/53

In: 36.991+/-168.004 χ^2/NDF:56.0/46

Out: -514.888+/-163.075 χ^2/NDF:109.9/54

All: -247.163+/-117.015 χ^2/NDF: 171.4/101



Right In: 1278.863+/-0.273 χ^2/NDF: 4265180.5/23

Left Out: 786.758+/-0.129 χ^2/NDF:1210893.0/24

Right Out: 1281.202+/-0.259 χ^2/NDF: 5989367.1/29

Left In: 784.833+/-0.132 χ^2/NDF:1063746.9/22

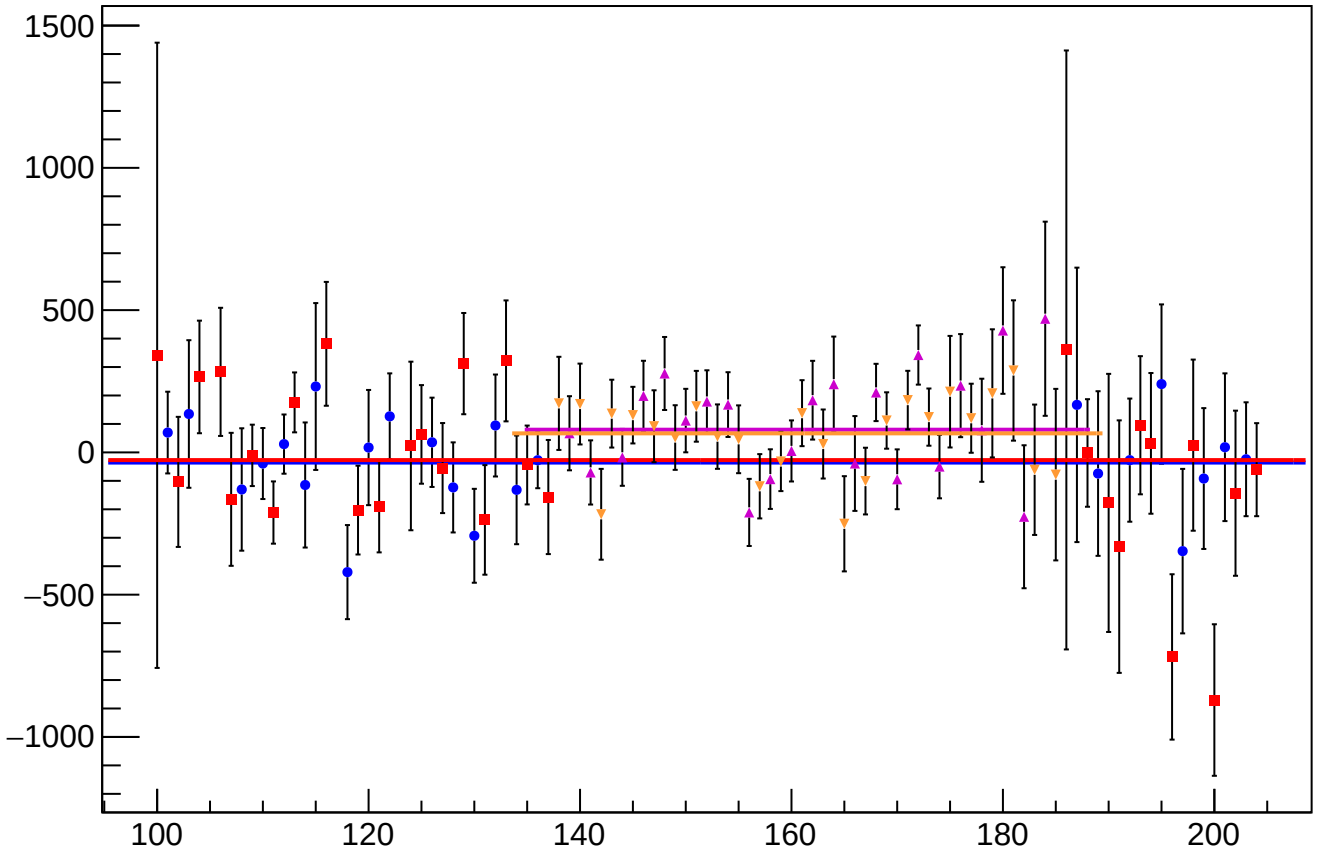
Left: 785.819+/-0.092 χ^2/NDF: 2274748.8/47

Right: 1280.096+/-0.188 χ^2/NDF: 10254586.3/53

In: 878.279+/-0.119 χ^2/NDF:7981354.3/46

Out: 885.058+/-0.115 χ^2/NDF:10128865.2/54

All: 881.769+/-0.083 χ^2/NDF: 18111895.8/10



Right In: -35.735+/-35.892 χ^2/NDF: 15.3/23

Left Out: 66.896+/-25.584 χ^2/NDF:19.6/24

Right Out: -27.047+/-34.401 χ^2/NDF: 42.3/29

Left In: 79.766+/-26.299 χ^2/NDF:36.9/22

Left: 73.154+/-18.338 χ^2/NDF: 56.7/47

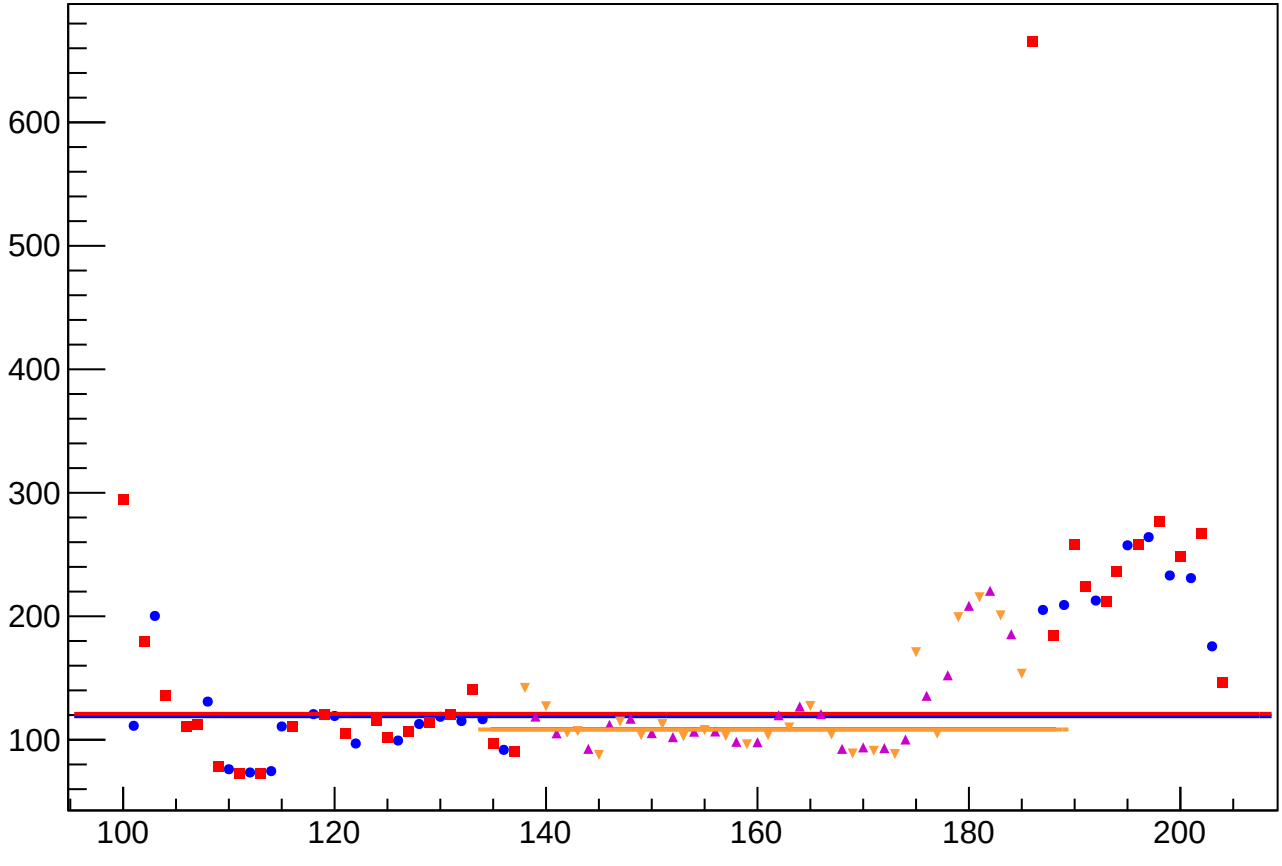
Right: -31.207+/-24.836 χ^2/NDF: 57.7/53

In: 39.419+/-21.214 χ^2/NDF:59.0/46

Out: 33.441+/-20.529 χ^2/NDF:66.7/54

All: 36.332+/-14.752 χ^2/NDF: 125.7/101

dit_asym_sam_3748_avg_rms vs Slug, Sign Corrected



Right In: 119.092+/-0.025 χ^2/NDF: 3724196.1/23

Left Out: 108.330+/-0.018 χ^2/NDF:1774599.9/24

Right Out: 120.978+/-0.024 χ^2/NDF: 5272084.4/29

Left In: 108.492+/-0.019 χ^2/NDF:1379398.3/22

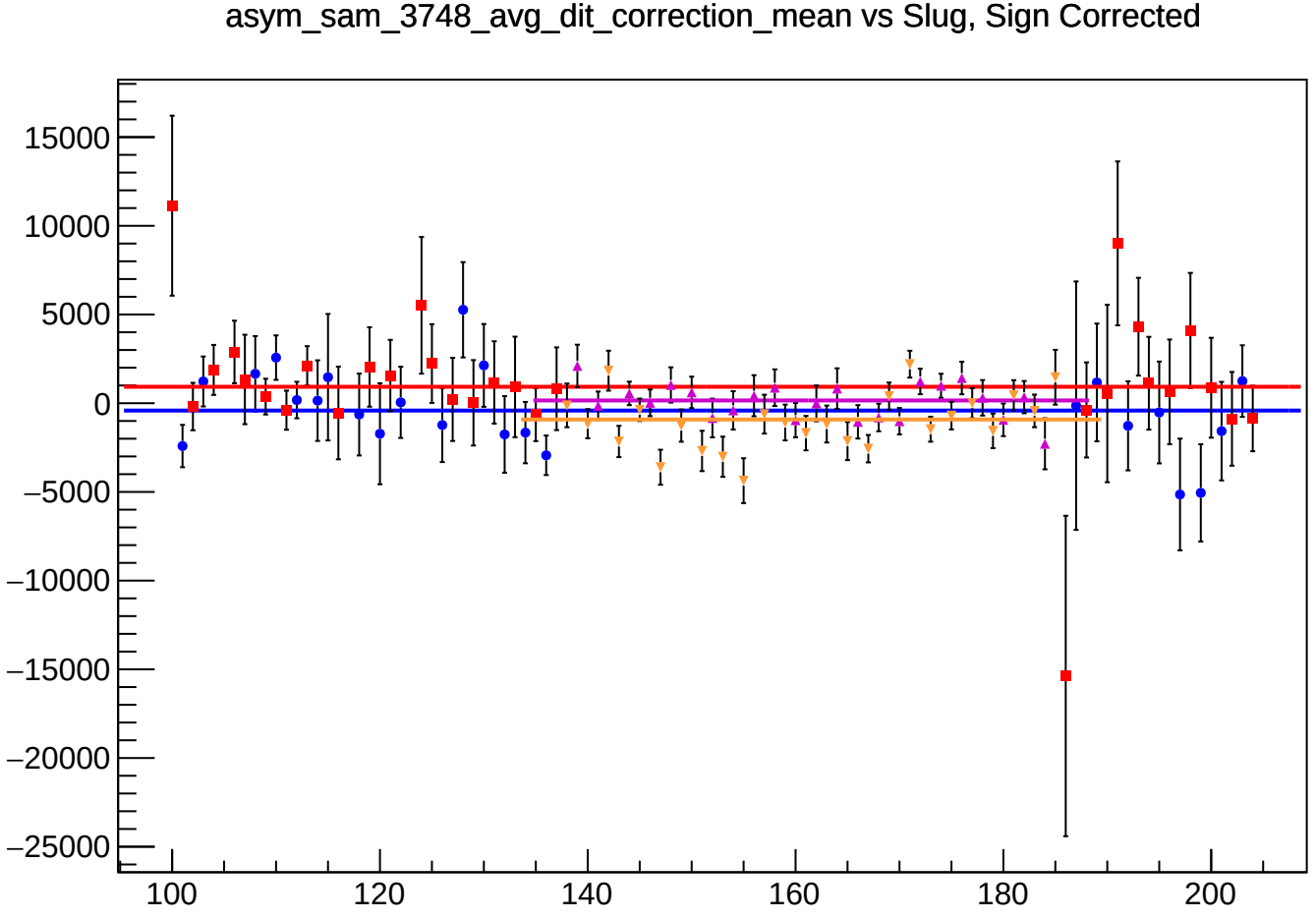
Left: 108.409+/-0.013 χ^2/NDF: 3154037.3/47

Right: 120.075+/-0.018 χ^2/NDF: 8999159.4/53

In: 112.195+/-0.015 χ^2/NDF:5217076.6/46

Out: 112.834+/-0.015 χ^2/NDF:7220749.5/54

All: 112.525+/-0.010 χ^2/NDF: 12438763.9/10



Right In: -413.437+/-384.923 χ^2/NDF: 29.9/23

Left Out: -918.735+/-182.461 χ^2/NDF:64.1/24

Right Out: 926.607+/-361.355 χ^2/NDF: 23.6/29

Left In: 155.874+/-187.116 χ^2/NDF:23.1/22

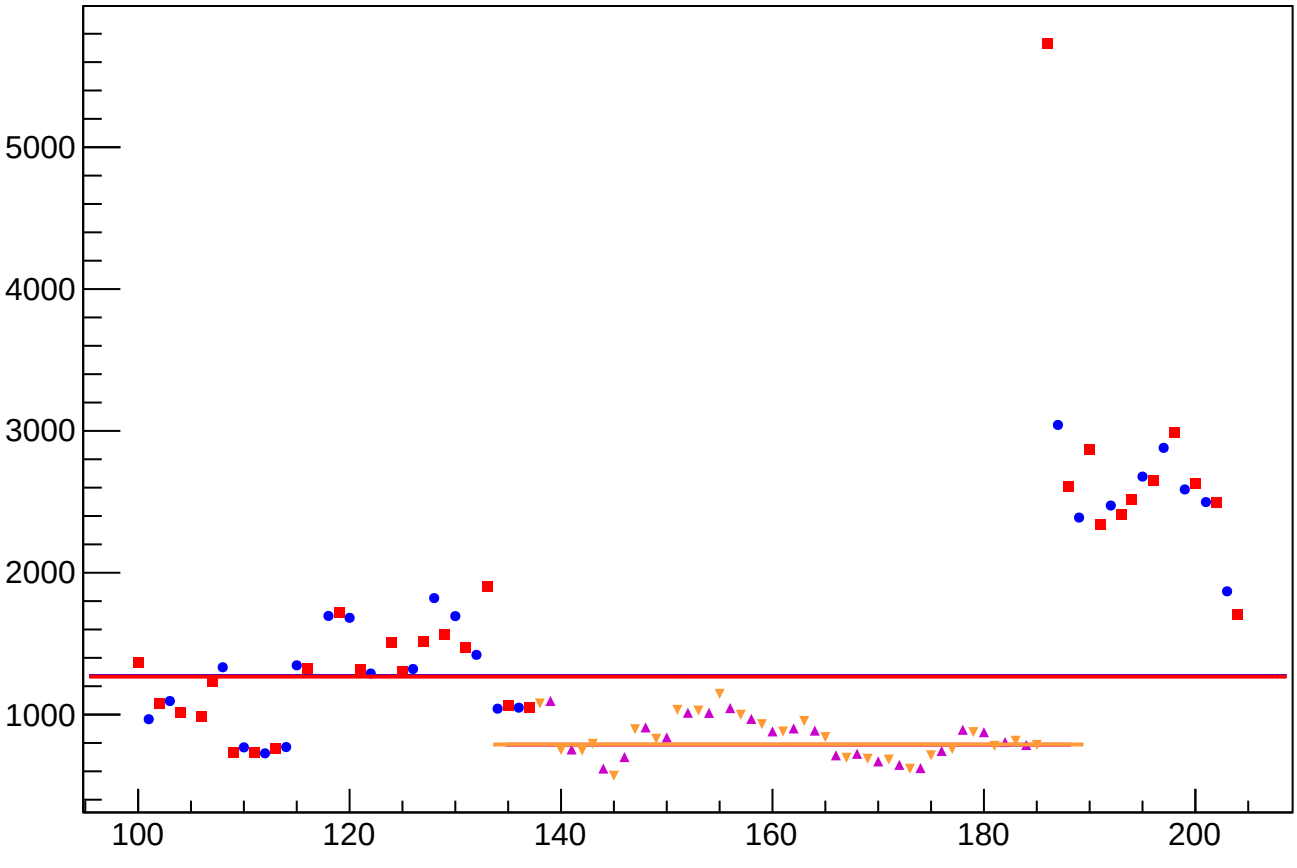
Left: -394.962+/-130.634 χ^2/NDF: 104.1/47

Right: 298.864+/-263.455 χ^2/NDF: 59.9/53

In: 47.057+/-168.286 χ^2/NDF:54.8/46

Out: -543.831+/-162.875 χ^2/NDF:108.5/54

All: -258.038+/-117.036 χ^2/NDF: 169.6/101



Right In: 1271.987+/-0.272 χ^2/NDF: 4369386.3/23

Left Out: 789.250+/-0.129 χ^2/NDF:1176799.1/24

Right Out: 1267.939+/-0.256 χ^2/NDF: 6038132.4/29

Left In: 787.390+/-0.132 χ^2/NDF:1041390.9/22

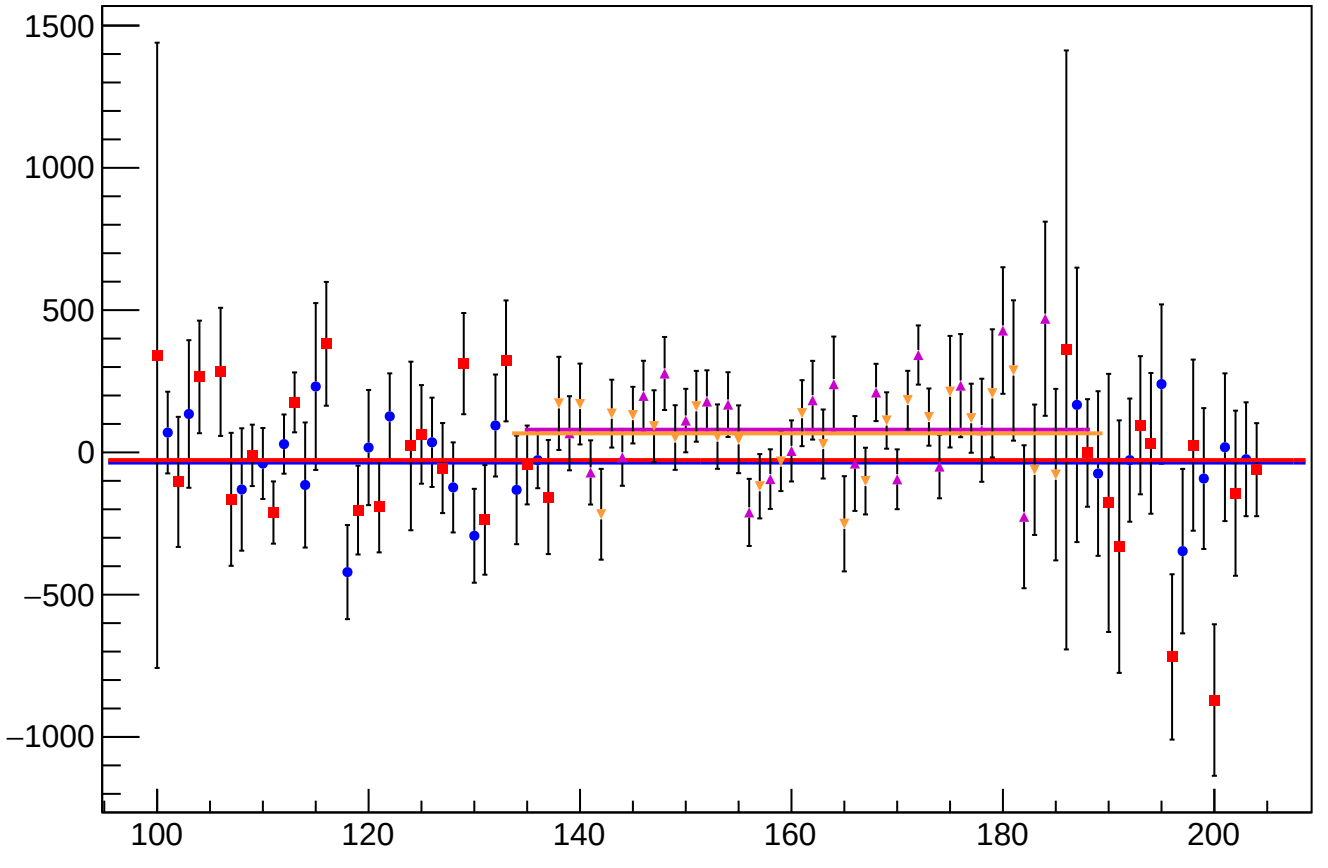
Left: 788.343+/-0.092 χ^2/NDF: 2218291.4/47

Right: 1269.835+/-0.186 χ^2/NDF: 10407636.4/53

In: 880.015+/-0.119 χ^2/NDF:7974777.9/46

Out: 886.501+/-0.115 χ^2/NDF:10011592.5/54

All: 883.364+/-0.083 χ^2/NDF: 17987904.7/10



Right In: -35.734+/-35.892 χ^2/NDF: 15.3/23

Left Out: 66.898+/-25.584 χ^2/NDF:19.6/24

Right Out: -27.049+/-34.401 χ^2/NDF: 42.3/29

Left In: 79.766+/-26.299 χ^2/NDF:36.9/22

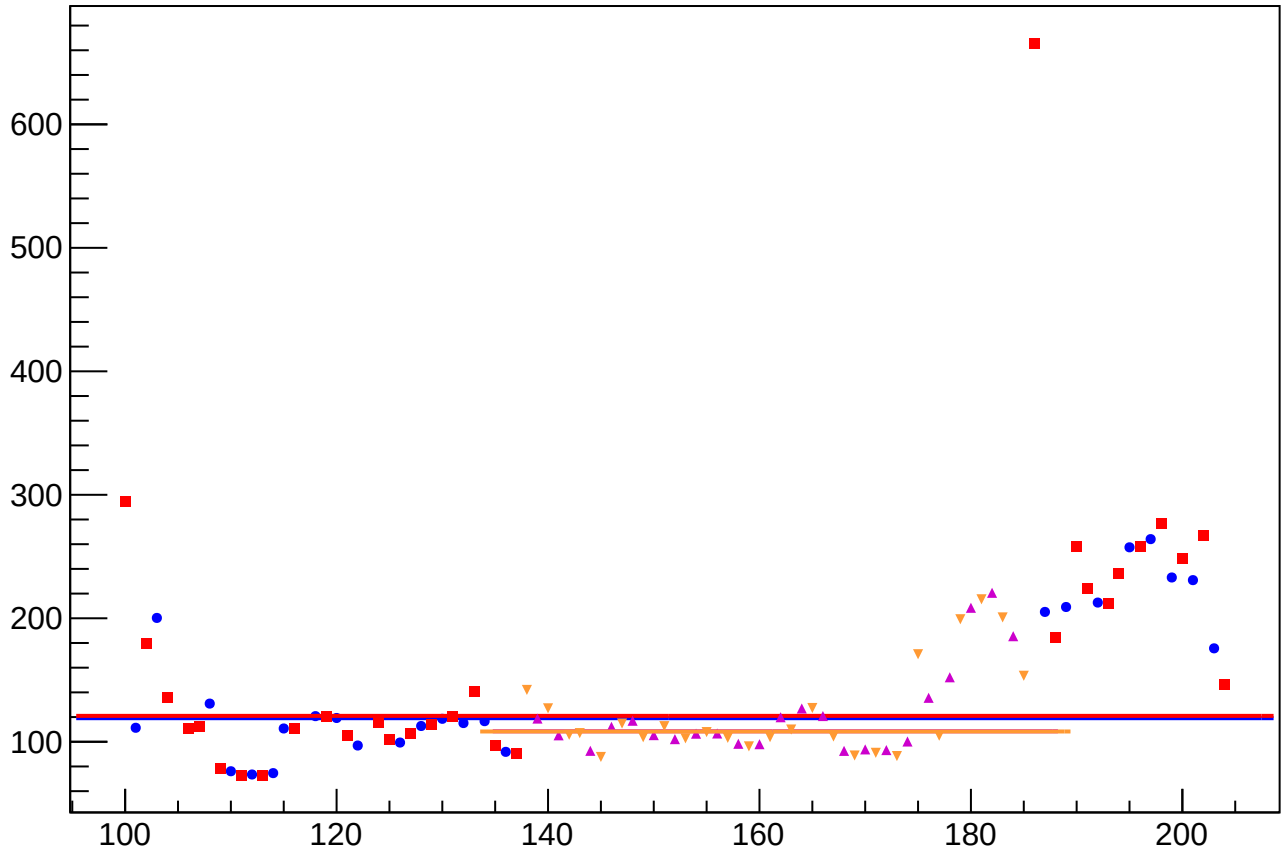
Left: 73.154+/-18.338 χ^2/NDF: 56.7/47

Right: -31.207+/-24.836 χ^2/NDF: 57.7/53

In: 39.419+/-21.214 χ^2/NDF:59.0/46

Out: 33.441+/-20.529 χ^2/NDF:66.7/54

All: 36.332+/-14.752 χ^2/NDF: 125.7/101



Right In: 119.092+/-0.025 χ^2/NDF: 3724184.2/23

Left Out: 108.330+/-0.018 χ^2/NDF:1774594.6/24

Right Out: 120.978+/-0.024 χ^2/NDF: 5272088.9/29

Left In: 108.493+/-0.019 χ^2/NDF:1379379.3/22

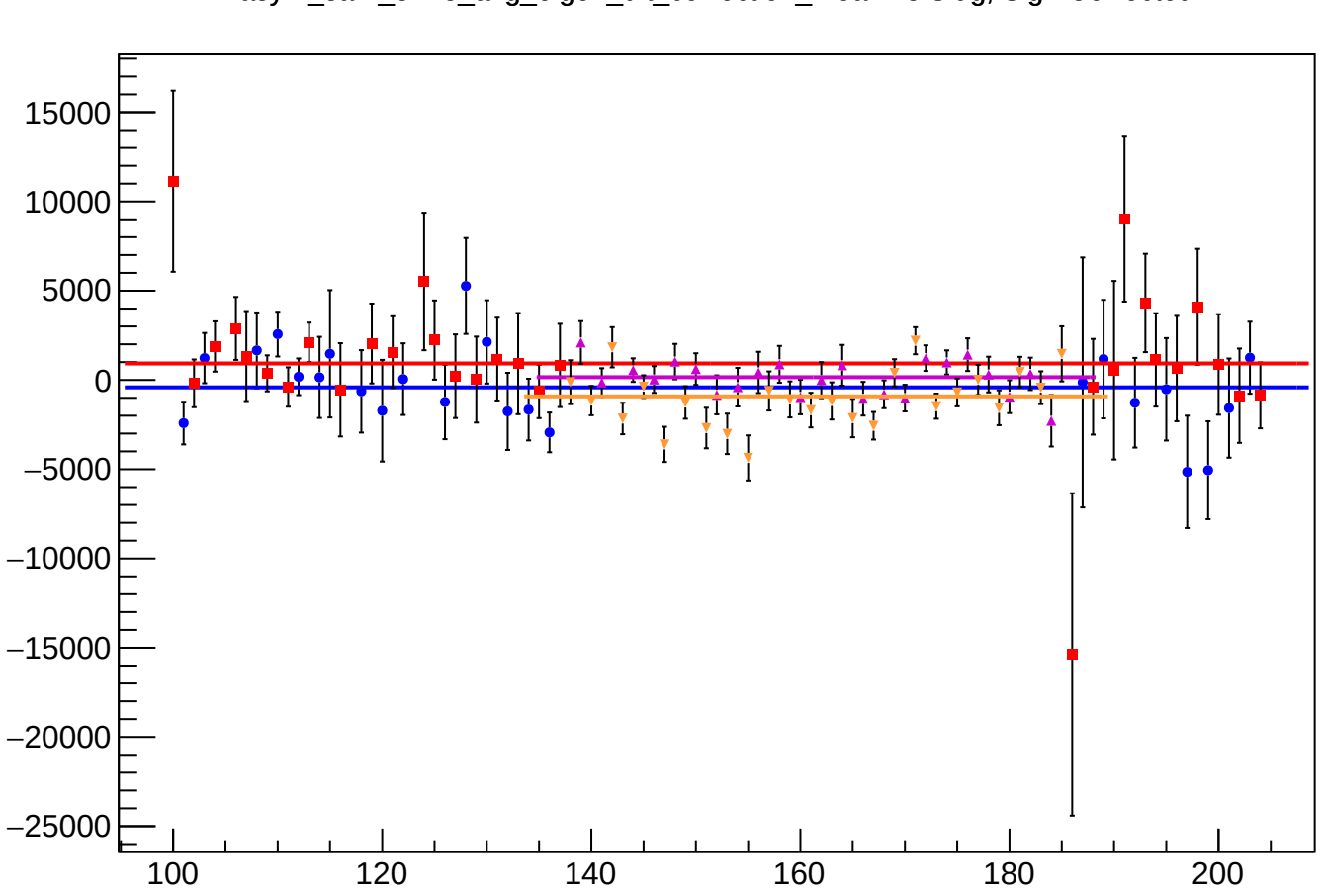
Left: 108.409+/-0.013 χ^2/NDF: 3154013.0/47

Right: 120.075+/-0.018 χ^2/NDF: 8999152.0/53

In: 112.195+/-0.015 χ^2/NDF:5217041.8/46

Out: 112.835+/-0.015 χ^2/NDF:7220744.2/54

All: 112.525+/-0.010 χ^2/NDF: 12438723.9/10



Right In: -413.436+/-384.923 χ^2/NDF: 29.9/23

Left Out: -918.734+/-182.461 χ^2/NDF:64.1/24

Right Out: 926.606+/-361.354 χ^2/NDF: 23.6/29

Left In: 155.873+/-187.115 χ^2/NDF:23.1/22

Left: -394.962+/-130.634 χ^2/NDF: 104.1/47

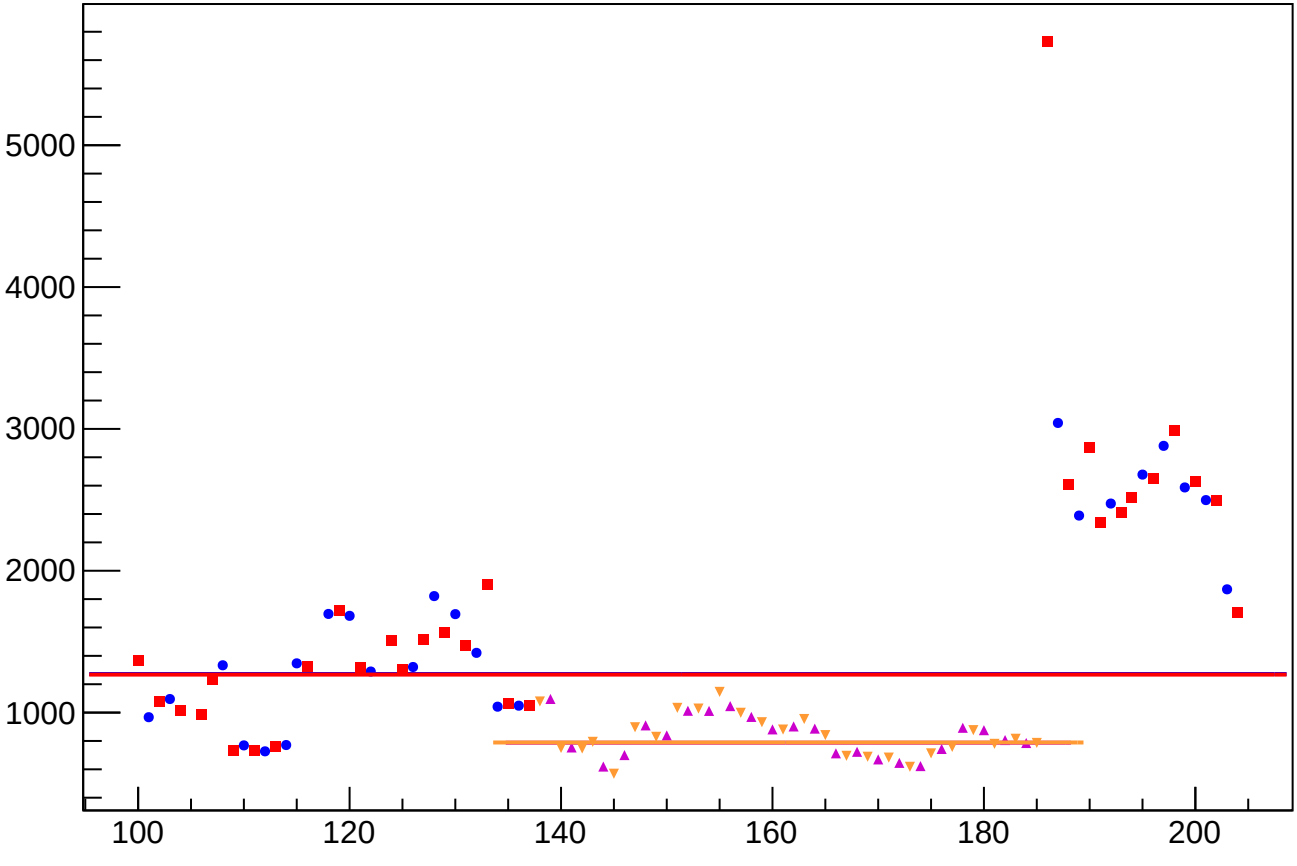
Right: 298.863+/-263.454 χ^2/NDF: 59.9/53

In: 47.056+/-168.286 χ^2/NDF:54.8/46

Out: -543.830+/-162.875 χ^2/NDF:108.5/54

All: -258.038+/-117.036 χ^2/NDF: 169.6/101

asym_sam_3748_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1271.985+/-0.272 χ^2/NDF: 4369394.3/23

Left Out: 789.248+/-0.129 χ^2/NDF:1176801.9/24

Right Out: 1267.937+/-0.256 χ^2/NDF: 6038136.3/29

Left In: 787.388+/-0.132 χ^2/NDF:1041391.2/22

Left: 788.342+/-0.092 χ^2/NDF: 2218294.3/47

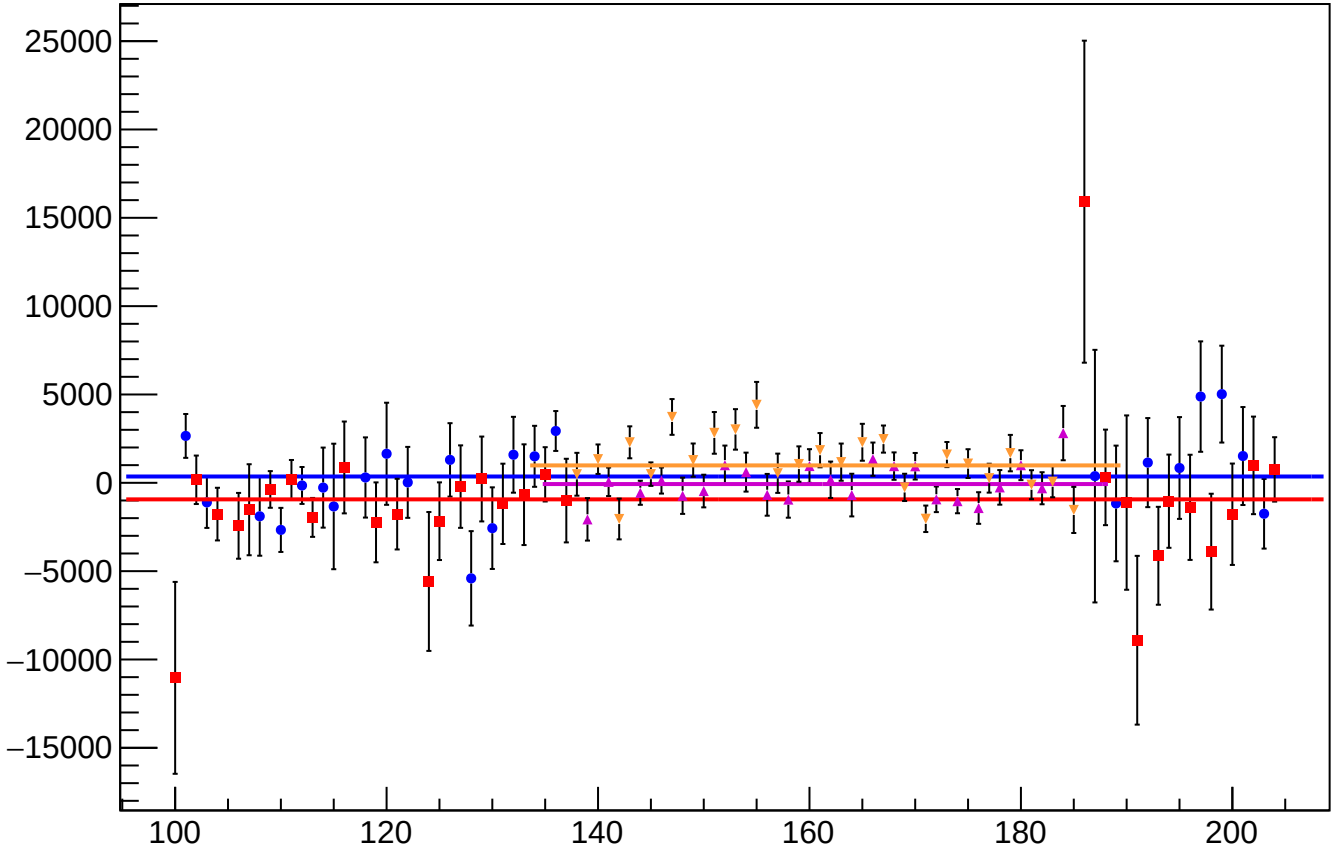
Right: 1269.833+/-0.186 χ^2/NDF: 10407648.2/53

In: 880.013+/-0.119 χ^2/NDF:7974785.0/46

Out: 886.500+/-0.115 χ^2/NDF:10011600.7/54

All: 883.362+/-0.083 χ^2/NDF: 17987920.1/10

asym_sam_3748_avg_mean vs Slug, Sign Corrected



Right In: 357.741+/-388.282 χ^2/NDF: 31.2/23

Left Out: 985.656+/-183.601 χ^2/NDF:63.7/24

Right Out: -936.675+/-367.073 χ^2/NDF: 21.2/29

Left In: -70.089+/-188.036 χ^2/NDF:24.4/22

Left: 470.380+/-131.365 χ^2/NDF: 104.3/47

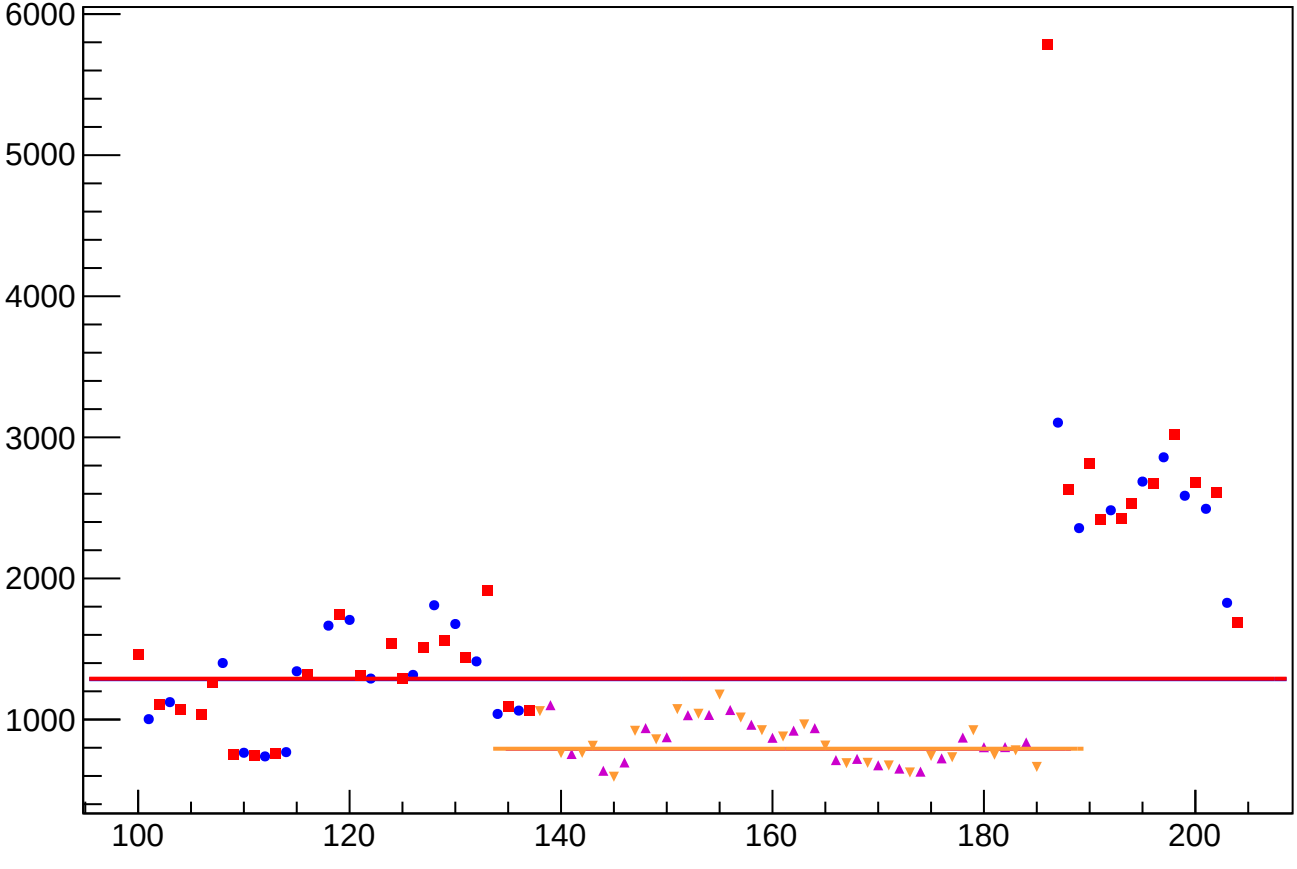
Right: -325.784+/-266.743 χ^2/NDF: 58.3/53

In: 11.186+/-169.235 χ^2/NDF:56.6/46

Out: 600.974+/-164.206 χ^2/NDF:106.9/54

All: 314.973+/-117.849 χ^2/NDF: 169.7/101

asym_sam_3748_avg_rms vs Slug, Sign Corrected



Right In: 1285.936+/-0.275 χ^2/NDF: 4249397.9/23

Left Out: 793.051+/-0.130 χ^2/NDF:1193972.3/24

Right Out: 1289.422+/-0.260 χ^2/NDF: 5957762.4/29

Left In: 791.155+/-0.133 χ^2/NDF:1049107.7/22

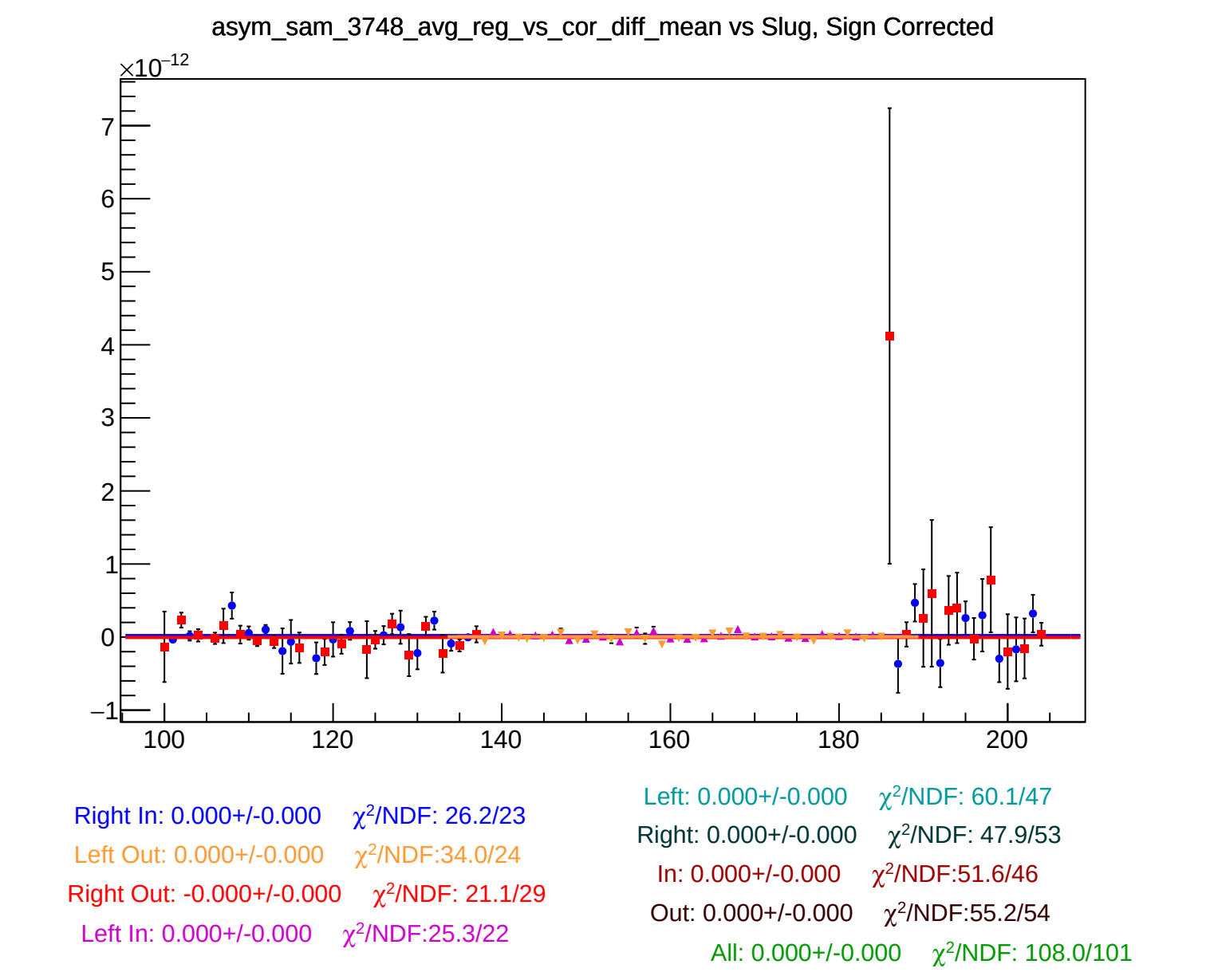
Left: 792.126+/-0.093 χ^2/NDF: 2243184.1/47

Right: 1287.777+/-0.189 χ^2/NDF: 10207245.5/53

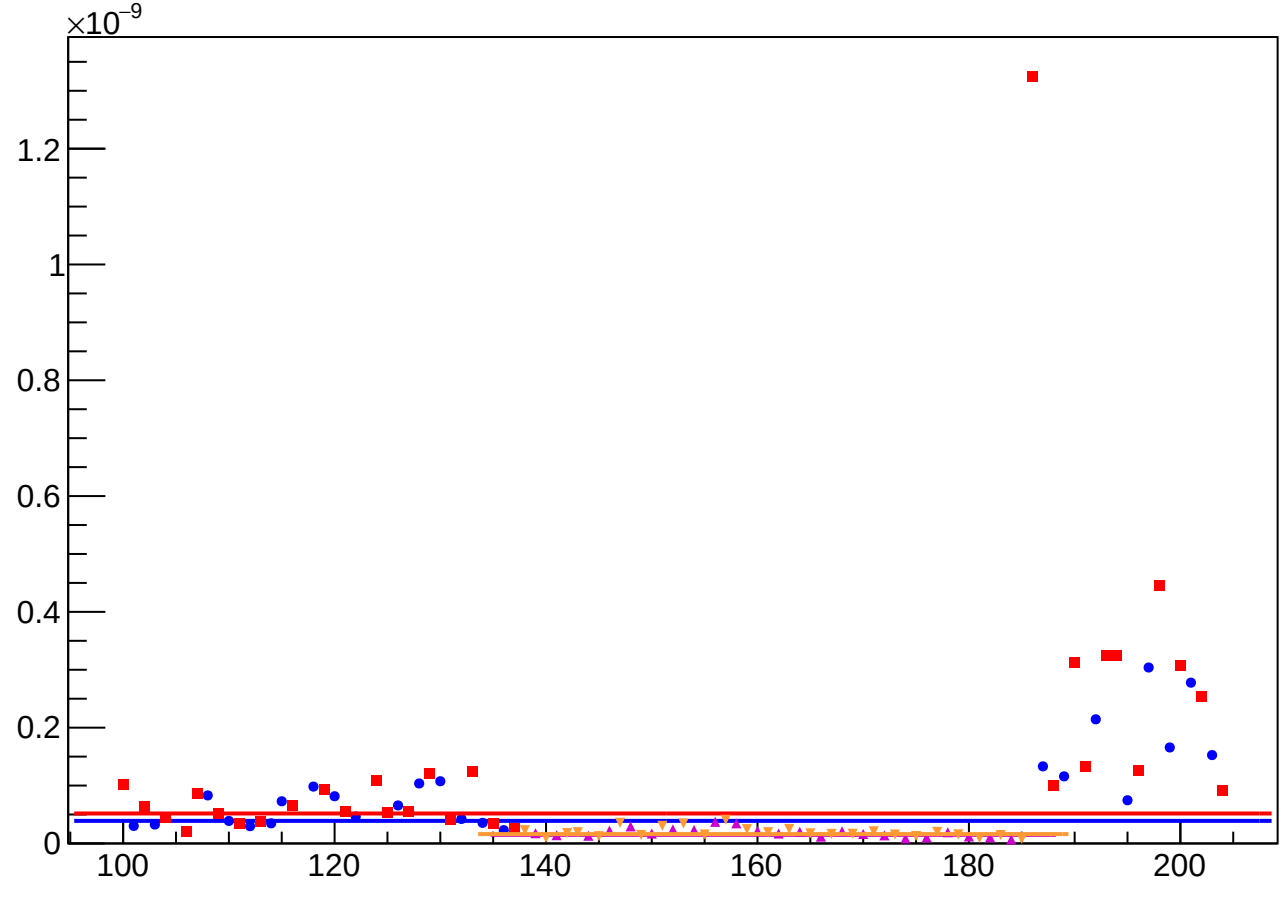
In: 885.149+/-0.120 χ^2/NDF:7929143.5/46

Out: 892.381+/-0.116 χ^2/NDF:10077009.0/54

All: 888.874+/-0.083 χ^2/NDF: 18008033.7/10


asym_sam_3748_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
7
6
5
4
3
2
1
0
−1
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 26.2/23
Left Out: 0.000+/-0.000 χ²/NDF:34.0/24
Right Out: -0.000+/-0.000 χ²/NDF: 21.1/29
Left In: 0.000+/-0.000 χ²/NDF:25.3/22
Left: 0.000+/-0.000 χ²/NDF: 60.1/47
Right: 0.000+/-0.000 χ²/NDF: 47.9/53
In: 0.000+/-0.000 χ²/NDF:51.6/46
Out: 0.000+/-0.000 χ²/NDF:55.2/54
All: 0.000+/-0.000 χ²/NDF: 108.0/101

asym_sam_3748_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 4046783.0/23

Left Out: 0.000+/-0.000 χ^2/NDF:1725685.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5215102.9/29

Left In: 0.000+/-0.000 χ^2/NDF:1661952.2/22

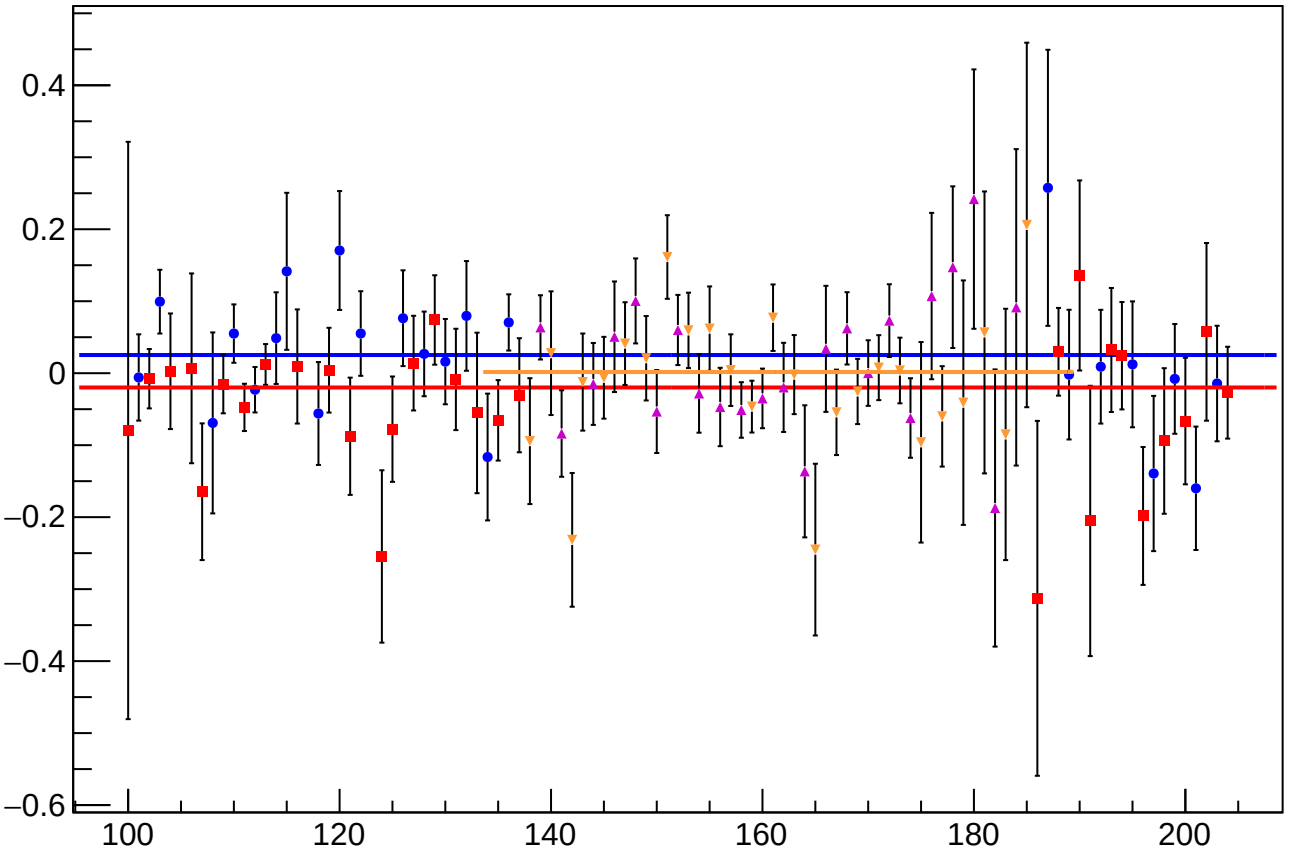
Left: 0.000+/-0.000 χ^2/NDF: 3428363.2/47

Right: 0.000+/-0.000 χ^2/NDF: 9551448.6/53

In: 0.000+/-0.000 χ^2/NDF:8043614.5/46

Out: 0.000+/-0.000 χ^2/NDF:10505602.6/54

All: 0.000+/-0.000 χ^2/NDF: 18603152.3/101



Right In: 0.025+/-0.013 χ^2/NDF: 26.5/23

Left Out: 0.002+/-0.012 χ^2/NDF:30.4/24

Right Out: -0.020+/-0.012 χ^2/NDF: 23.2/29

Left In: 0.002+/-0.012 χ^2/NDF:26.1/22

Left: 0.002+/-0.009 χ^2/NDF: 56.5/47

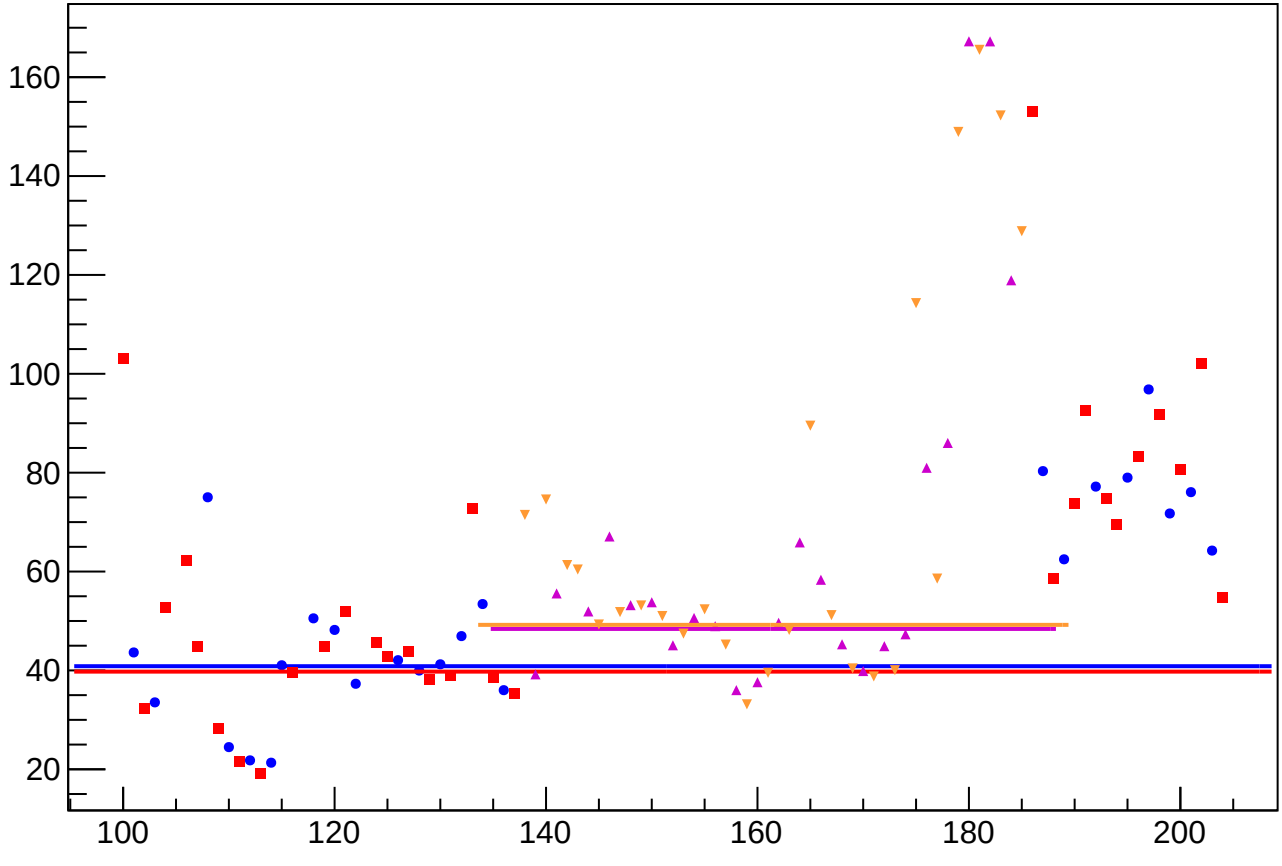
Right: 0.001+/-0.009 χ^2/NDF: 56.5/53

In: 0.013+/-0.009 χ^2/NDF:54.4/46

Out: -0.009+/-0.009 χ^2/NDF:55.2/54

All: 0.001+/-0.006 χ^2/NDF: 113.0/101

asym_sam_3748_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 40.853+/-0.009 χ^2/NDF: 3971111.0/23

Left Out: 49.216+/-0.009 χ^2/NDF:4171670.0/24

Right Out: 39.759+/-0.008 χ^2/NDF: 5874547.3/29

Left In: 48.392+/-0.009 χ^2/NDF:3033240.8/22

Left: 48.807+/-0.006 χ^2/NDF: 7209372.0/47

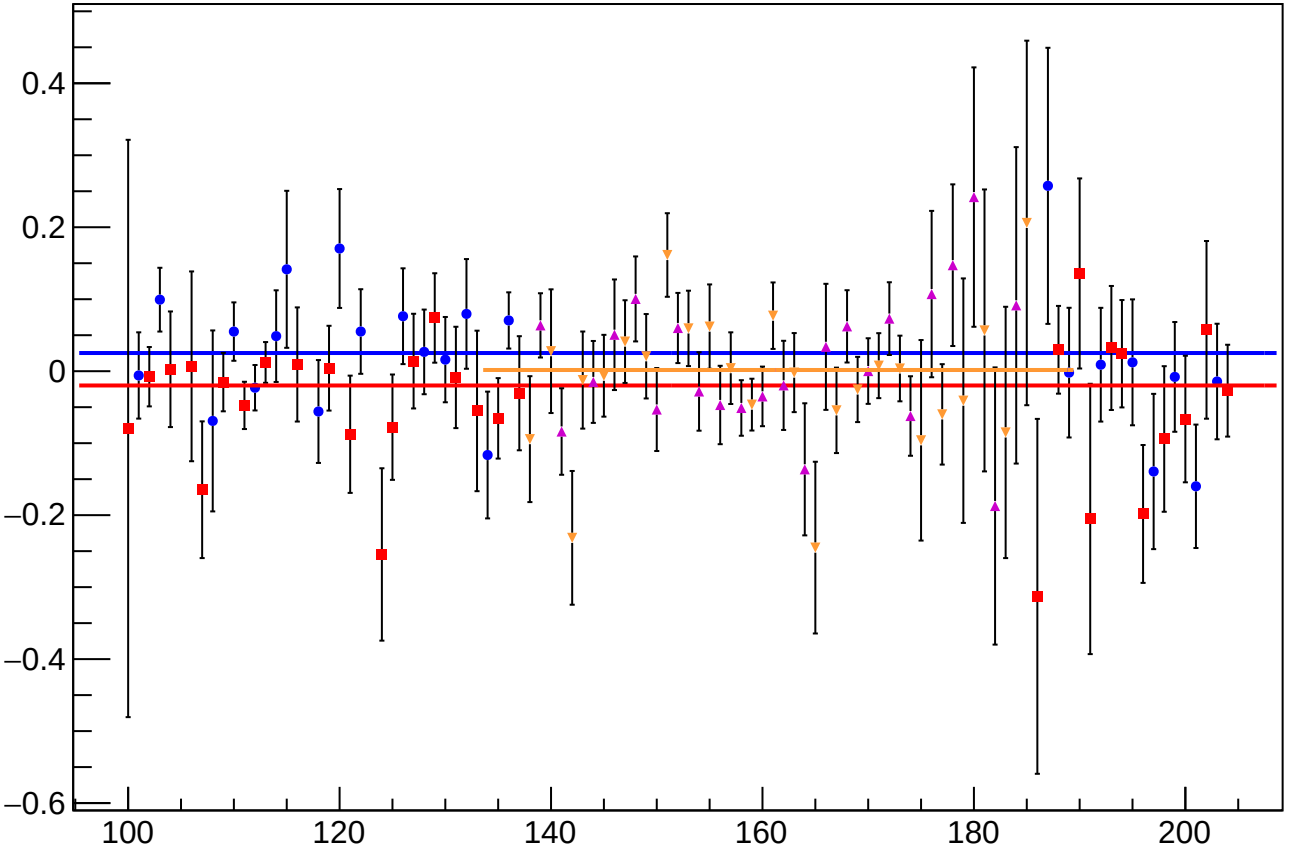
Right: 40.266+/-0.006 χ^2/NDF: 9853587.2/53

In: 44.730+/-0.006 χ^2/NDF:7365239.4/46

Out: 44.306+/-0.006 χ^2/NDF:10660384.0/54

All: 44.510+/-0.004 χ^2/NDF: 18027997.4/101

asym_sam_3748_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.025+/-0.013 χ^2/NDF: 26.5/23

Left Out: 0.002+/-0.012 χ^2/NDF:30.4/24

Right Out: -0.020+/-0.012 χ^2/NDF: 23.2/29

Left In: 0.002+/-0.012 χ^2/NDF:26.1/22

Left: 0.002+/-0.009 χ^2/NDF: 56.5/47

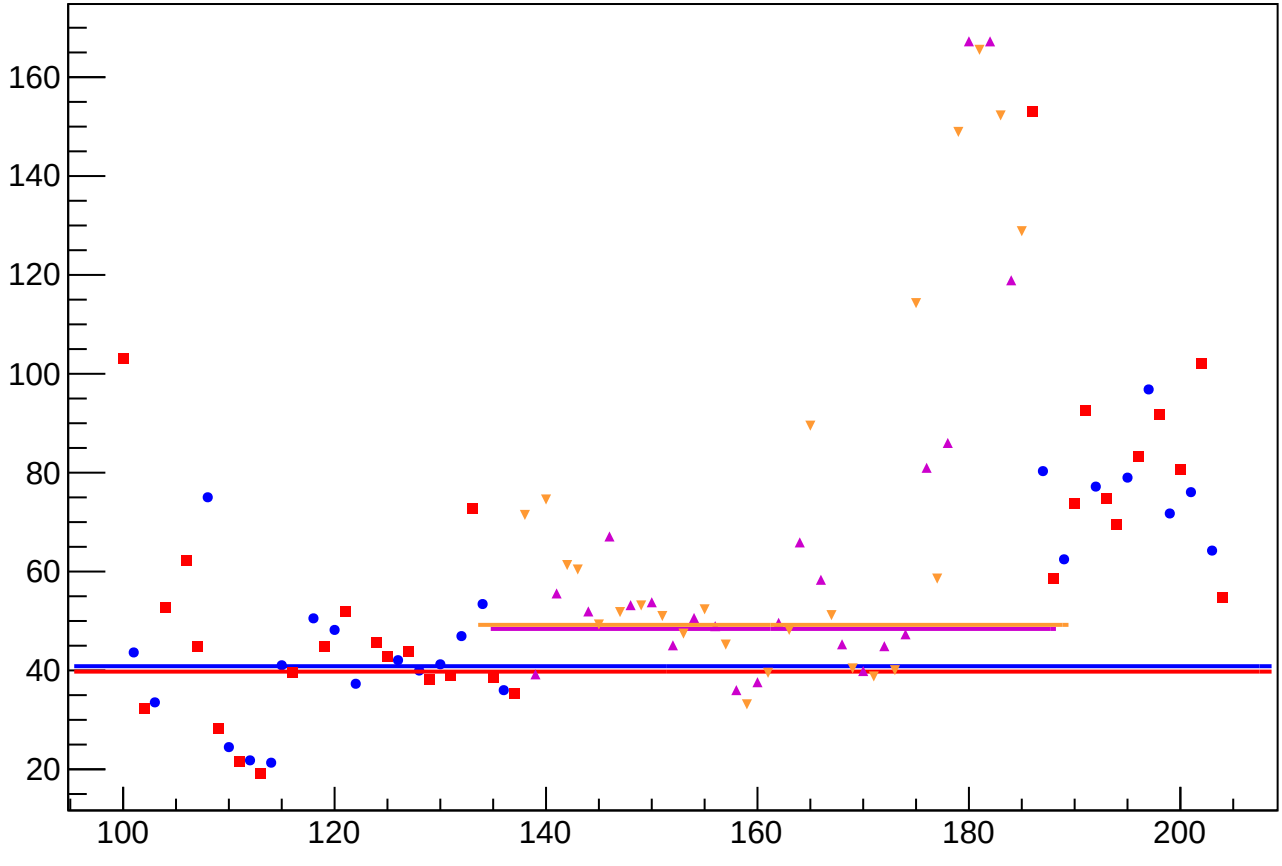
Right: 0.001+/-0.009 χ^2/NDF: 56.5/53

In: 0.013+/-0.009 χ^2/NDF:54.4/46

Out: -0.009+/-0.009 χ^2/NDF:55.2/54

All: 0.001+/-0.006 χ^2/NDF: 113.0/101

asym_sam_3748_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 40.853+/-0.009 χ^2/NDF: 3971111.0/23

Left Out: 49.216+/-0.009 χ^2/NDF:4171670.0/24

Right Out: 39.759+/-0.008 χ^2/NDF: 5874547.3/29

Left In: 48.392+/-0.009 χ^2/NDF:3033240.8/22

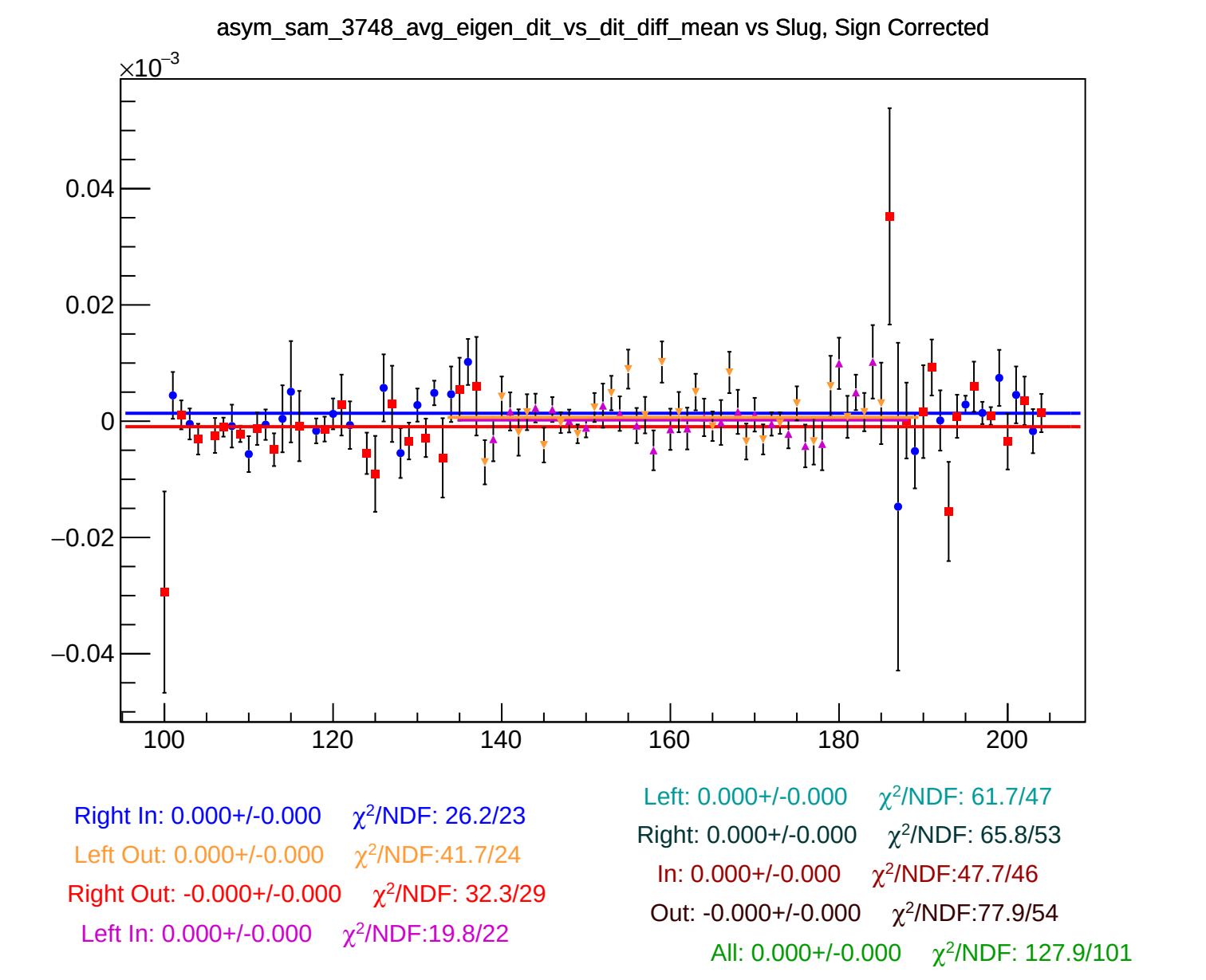
Left: 48.807+/-0.006 χ^2/NDF: 7209372.0/47

Right: 40.266+/-0.006 χ^2/NDF: 9853587.2/53

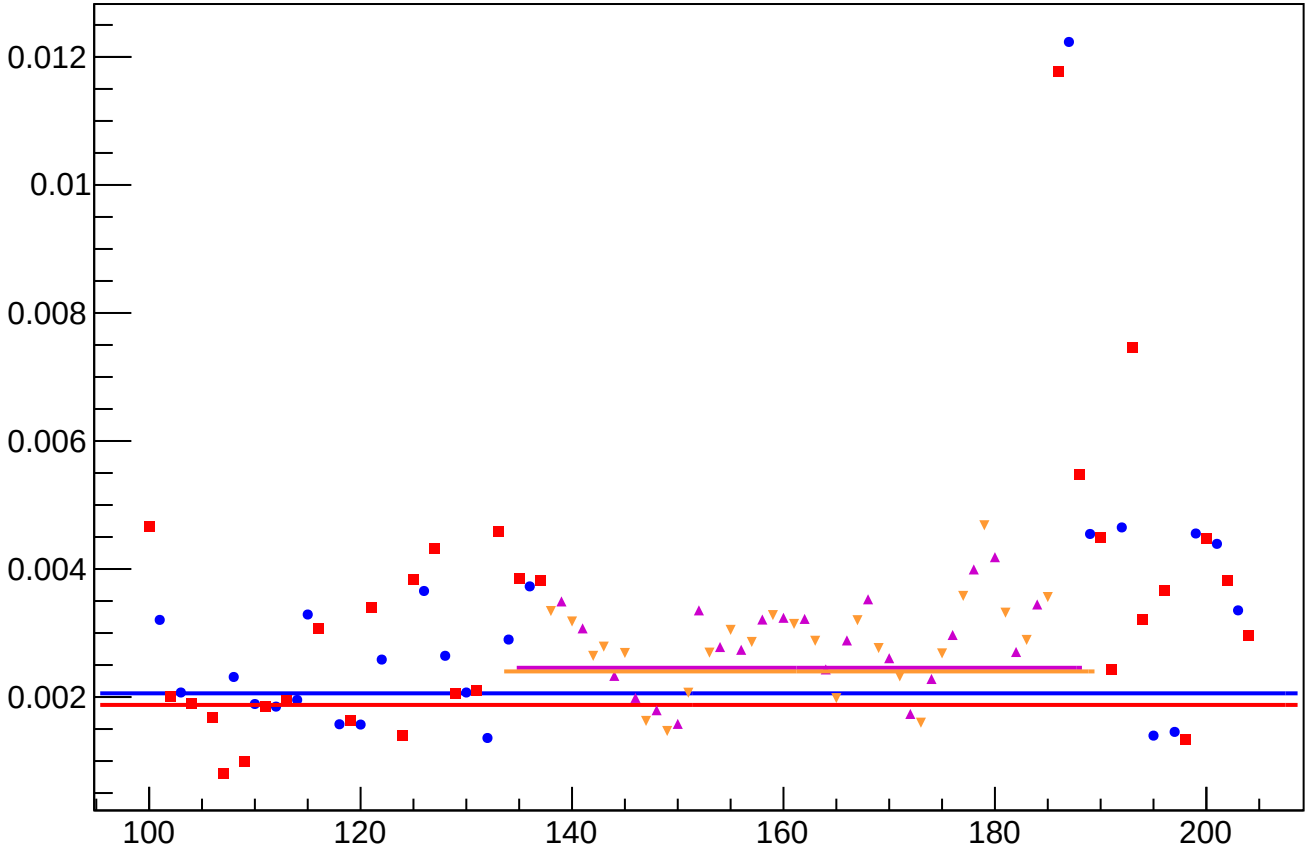
In: 44.730+/-0.006 χ^2/NDF:7365239.4/46

Out: 44.306+/-0.006 χ^2/NDF:10660384.0/54

All: 44.510+/-0.004 χ^2/NDF: 18027997.4/101


asym_sam_3748_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.04
0.02
0
−0.02
−0.04
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 26.2/23
Left Out: 0.000+/-0.000 χ²/NDF:41.7/24
Right Out: -0.000+/-0.000 χ²/NDF: 32.3/29
Left In: 0.000+/-0.000 χ²/NDF:19.8/22
Left: 0.000+/-0.000 χ²/NDF: 61.7/47
Right: 0.000+/-0.000 χ²/NDF: 65.8/53
In: 0.000+/-0.000 χ²/NDF:47.7/46
Out: -0.000+/-0.000 χ²/NDF:77.9/54
All: 0.000+/-0.000 χ²/NDF: 127.9/101

asym_sam_3748_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 4120867.2/23

Left Out: 0.002+/-0.000 χ^2/NDF:3123870.1/24

Right Out: 0.002+/-0.000 χ^2/NDF: 7559459.8/29

Left In: 0.002+/-0.000 χ^2/NDF:2629718.7/22

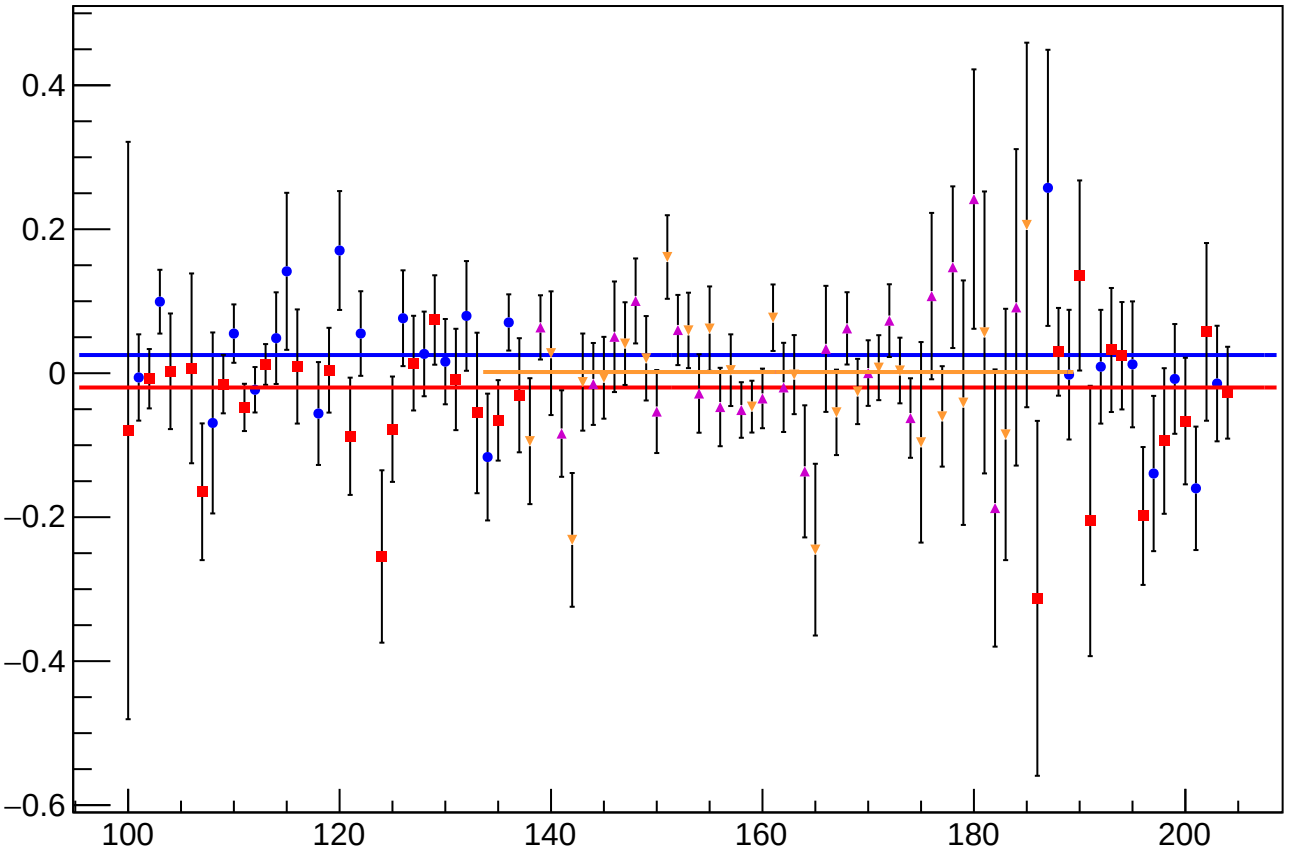
Left: 0.002+/-0.000 χ^2/NDF: 5762873.5/47

Right: 0.002+/-0.000 χ^2/NDF: 11769739.5/53

In: 0.002+/-0.000 χ^2/NDF:7163904.9/46

Out: 0.002+/-0.000 χ^2/NDF:11522174.4/54

All: 0.002+/-0.000 χ^2/NDF: 18784610.6/101



Right In: 0.025+/-0.013 χ^2/NDF: 26.5/23

Left Out: 0.002+/-0.012 χ^2/NDF:30.4/24

Right Out: -0.020+/-0.012 χ^2/NDF: 23.2/29

Left In: 0.002+/-0.012 χ^2/NDF:26.1/22

Left: 0.002+/-0.009 χ^2/NDF: 56.5/47

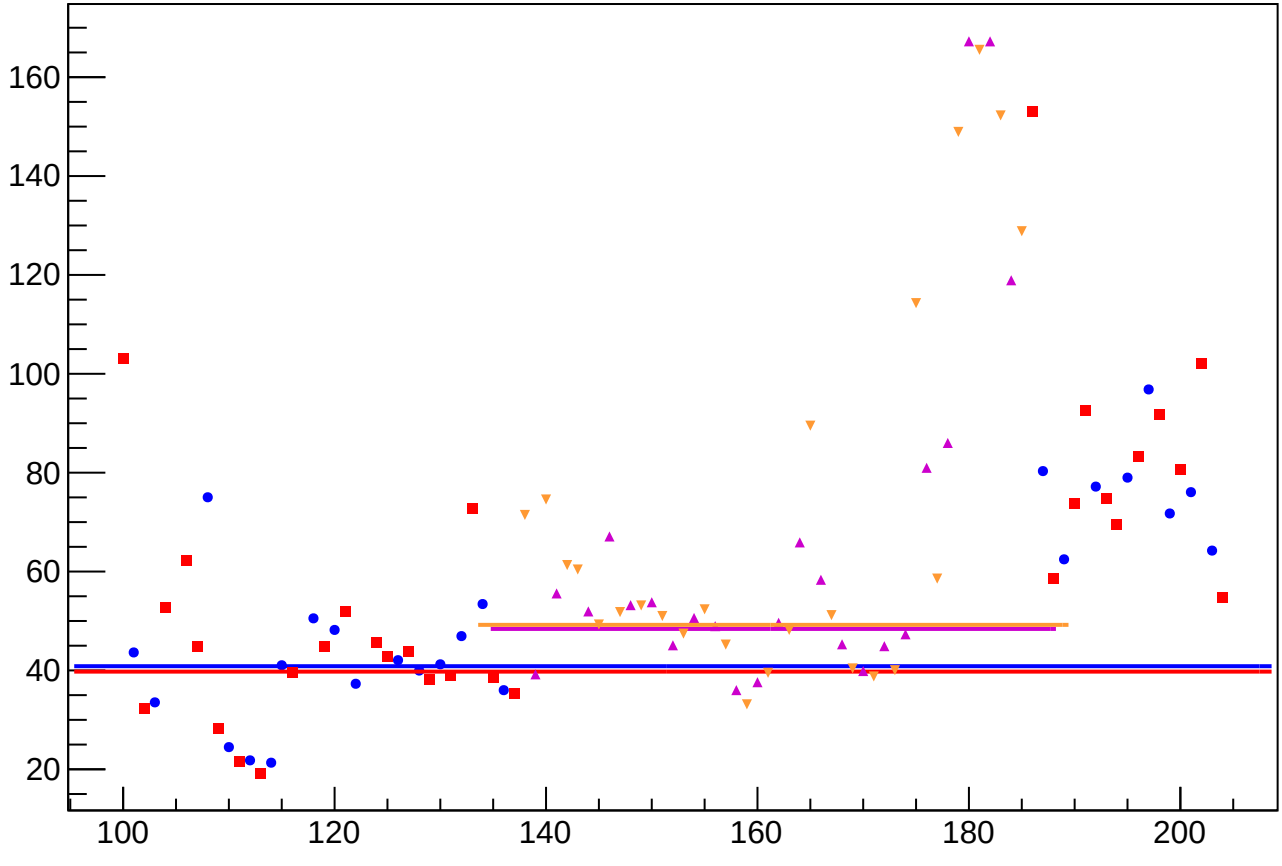
Right: 0.001+/-0.009 χ^2/NDF: 56.5/53

In: 0.013+/-0.009 χ^2/NDF:54.4/46

Out: -0.009+/-0.009 χ^2/NDF:55.2/54

All: 0.001+/-0.006 χ^2/NDF: 113.0/101

asym_sam_3748_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 40.853+/-0.009 χ^2/NDF: 3970994.7/23

Left Out: 49.217+/-0.009 χ^2/NDF:4171640.8/24

Right Out: 39.759+/-0.008 χ^2/NDF: 5874495.5/29

Left In: 48.393+/-0.009 χ^2/NDF:3033208.4/22

Left: 48.807+/-0.006 χ^2/NDF: 7209310.4/47

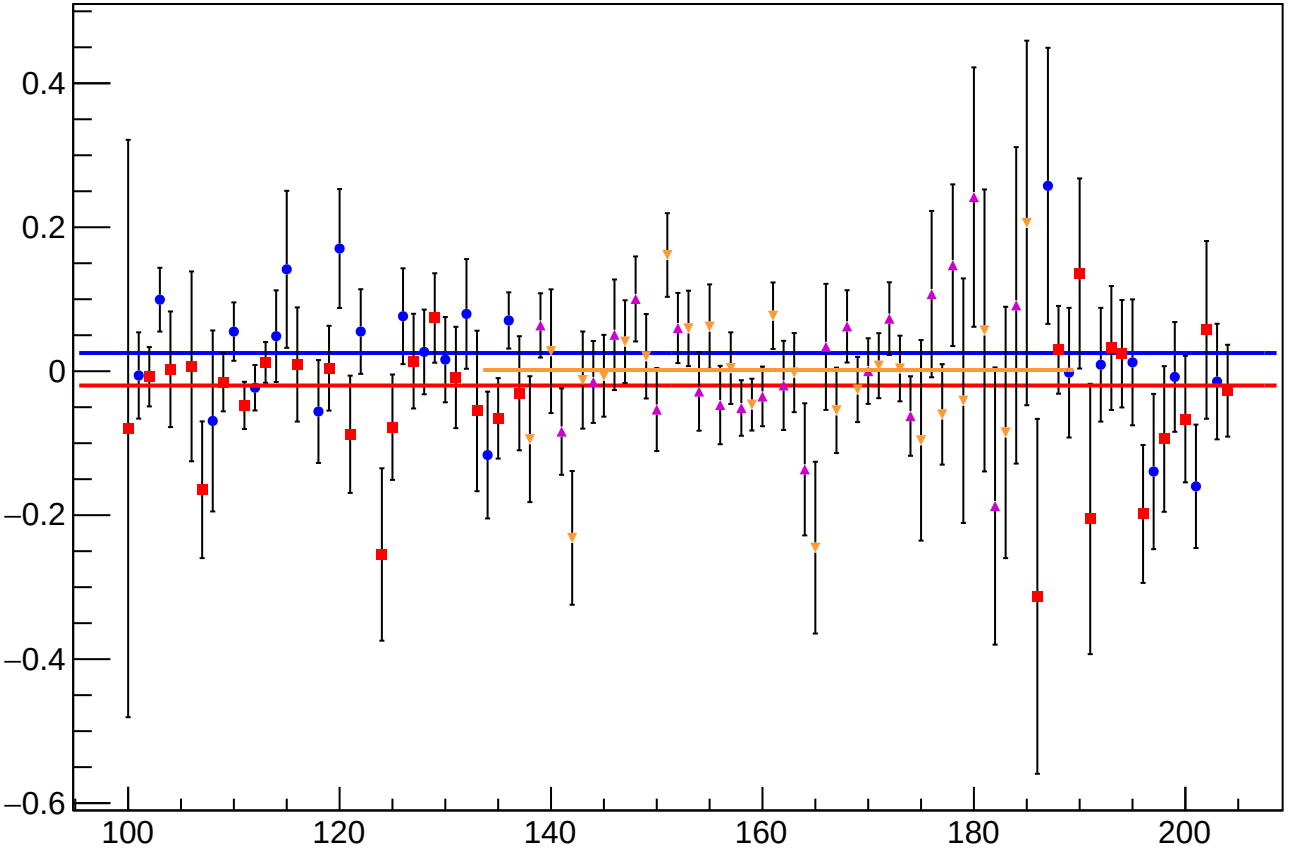
Right: 40.266+/-0.006 χ^2/NDF: 9853417.6/53

In: 44.730+/-0.006 χ^2/NDF:7365102.4/46

Out: 44.307+/-0.006 χ^2/NDF:10660304.8/54

All: 44.510+/-0.004 χ^2/NDF: 18027780.3/101

asym_sam_3748_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.025+/-0.013 χ^2/NDF: 26.5/23

Left Out: 0.002+/-0.012 χ^2/NDF:30.4/24

Right Out: -0.020+/-0.012 χ^2/NDF: 23.2/29

Left In: 0.002+/-0.012 χ^2/NDF:26.1/22

Left: 0.002+/-0.009 χ^2/NDF: 56.5/47

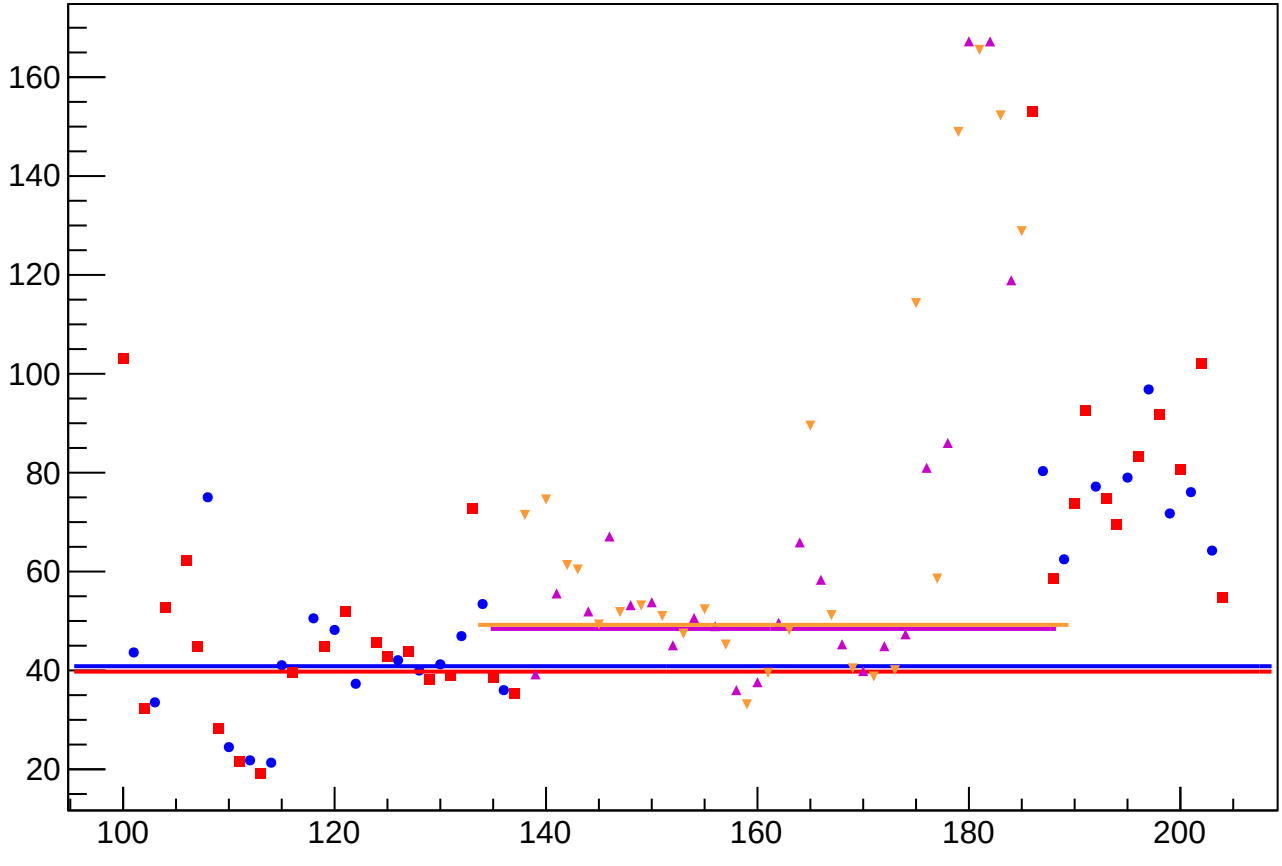
Right: 0.001+/-0.009 χ^2/NDF: 56.5/53

In: 0.013+/-0.009 χ^2/NDF:54.4/46

Out: -0.009+/-0.009 χ^2/NDF:55.2/54

All: 0.001+/-0.006 χ^2/NDF: 113.0/101

asym_sam_3748_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 40.853+/-0.009 χ^2/NDF: 3970994.7/23

Left Out: 49.217+/-0.009 χ^2/NDF:4171640.8/24

Right Out: 39.759+/-0.008 χ^2/NDF: 5874495.5/29

Left In: 48.393+/-0.009 χ^2/NDF:3033208.4/22

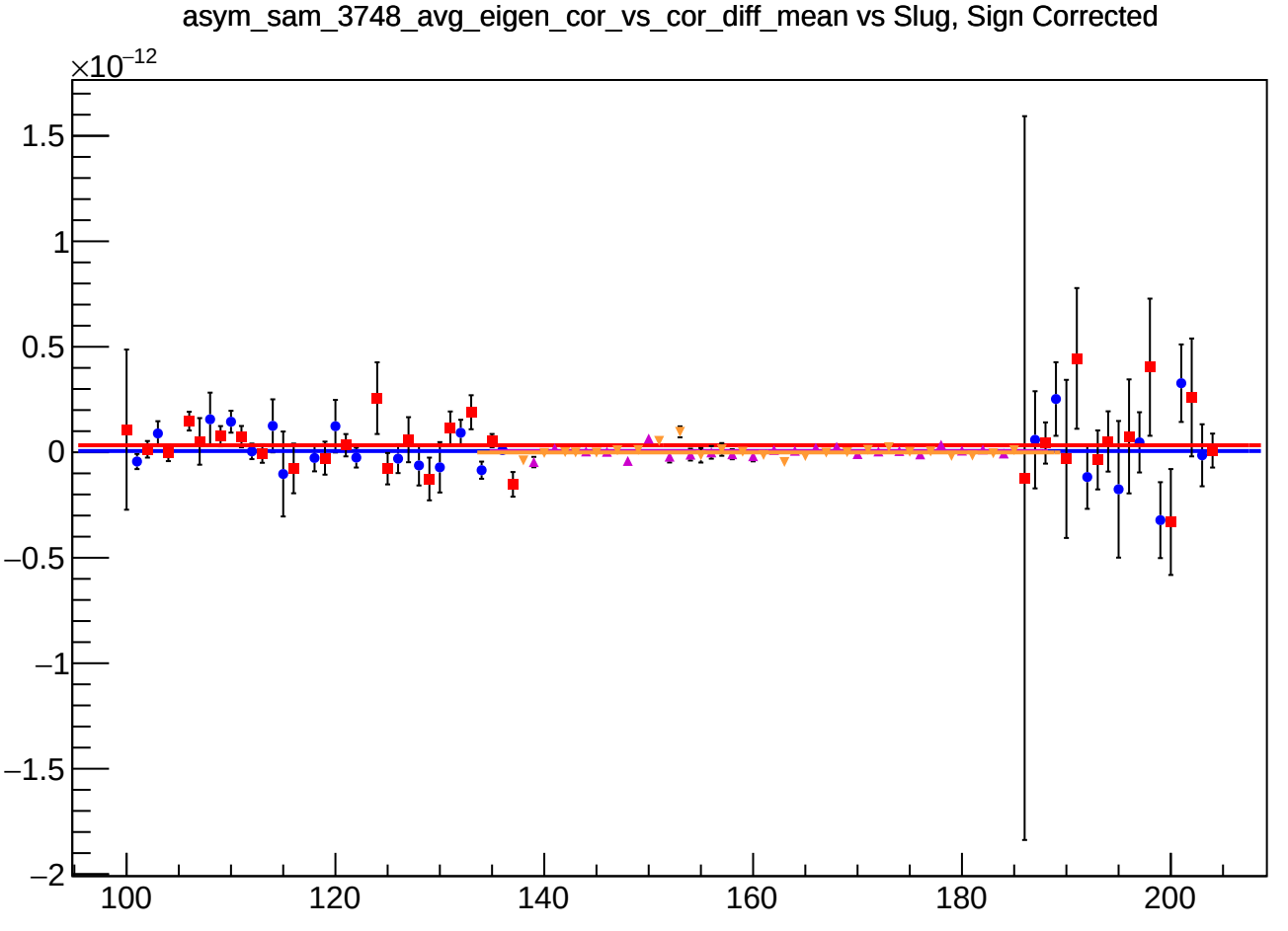
Left: 48.807+/-0.006 χ^2/NDF: 7209310.4/47

Right: 40.266+/-0.006 χ^2/NDF: 9853417.6/53

In: 44.730+/-0.006 χ^2/NDF:7365102.4/46

Out: 44.307+/-0.006 χ^2/NDF:10660304.8/54

All: 44.510+/-0.004 χ^2/NDF: 18027780.3/101



Right In: 0.000+/-0.000 χ^2/NDF: 33.1/23

Left Out: -0.000+/-0.000 χ^2/NDF:37.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 39.5/29

Left In: 0.000+/-0.000 χ^2/NDF:28.4/22

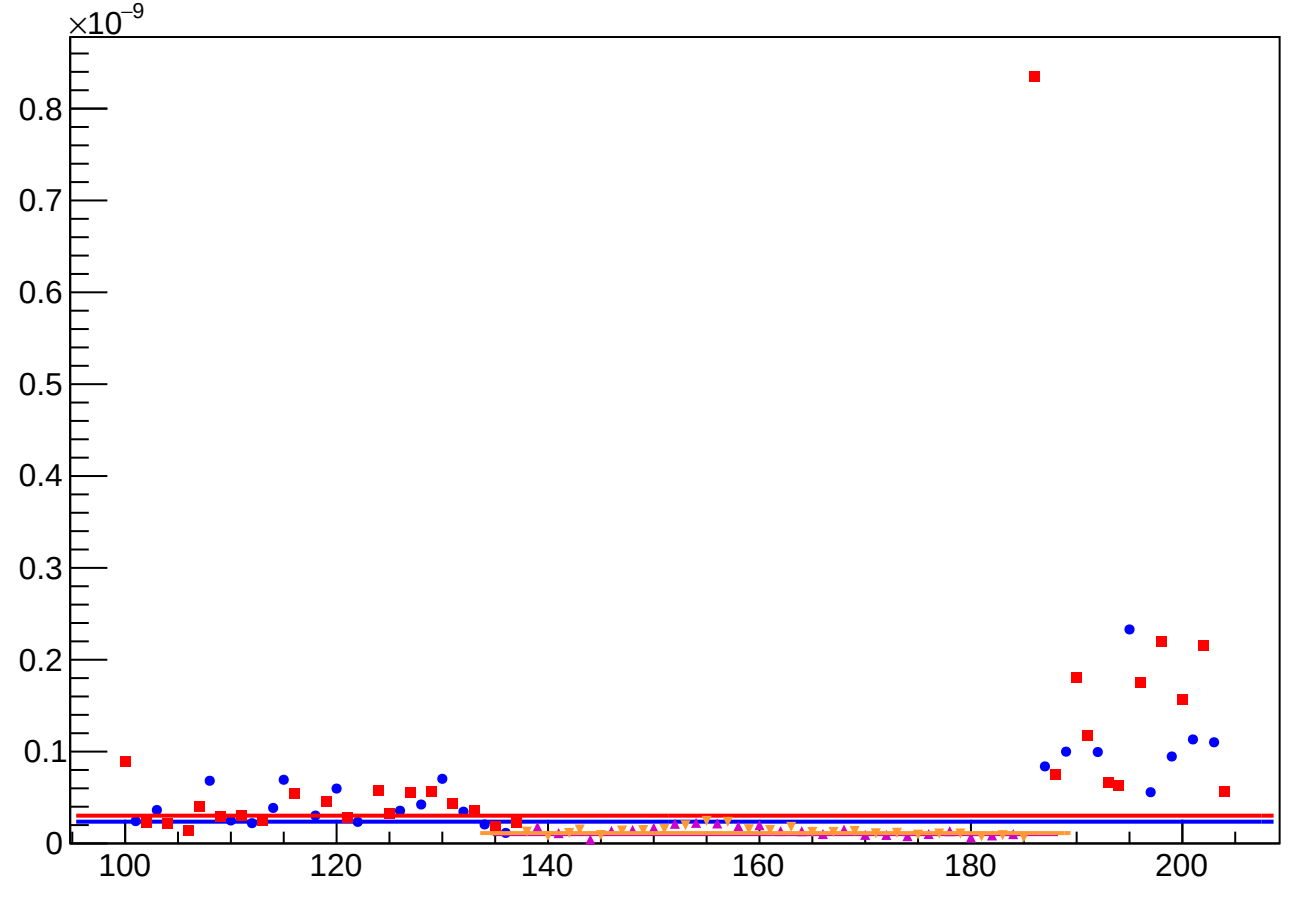
Left: 0.000+/-0.000 χ^2/NDF: 67.2/47

Right: 0.000+/-0.000 χ^2/NDF: 75.2/53

In: 0.000+/-0.000 χ^2/NDF:61.5/46

Out: 0.000+/-0.000 χ^2/NDF:83.2/54

All: 0.000+/-0.000 χ^2/NDF: 145.6/101



Right In: 0.000+/-0.000 χ^2/NDF: 5618331.3/23

Left Out: 0.000+/-0.000 χ^2/NDF:2206266.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5795698.2/29

Left In: 0.000+/-0.000 χ^2/NDF:4024430.8/22

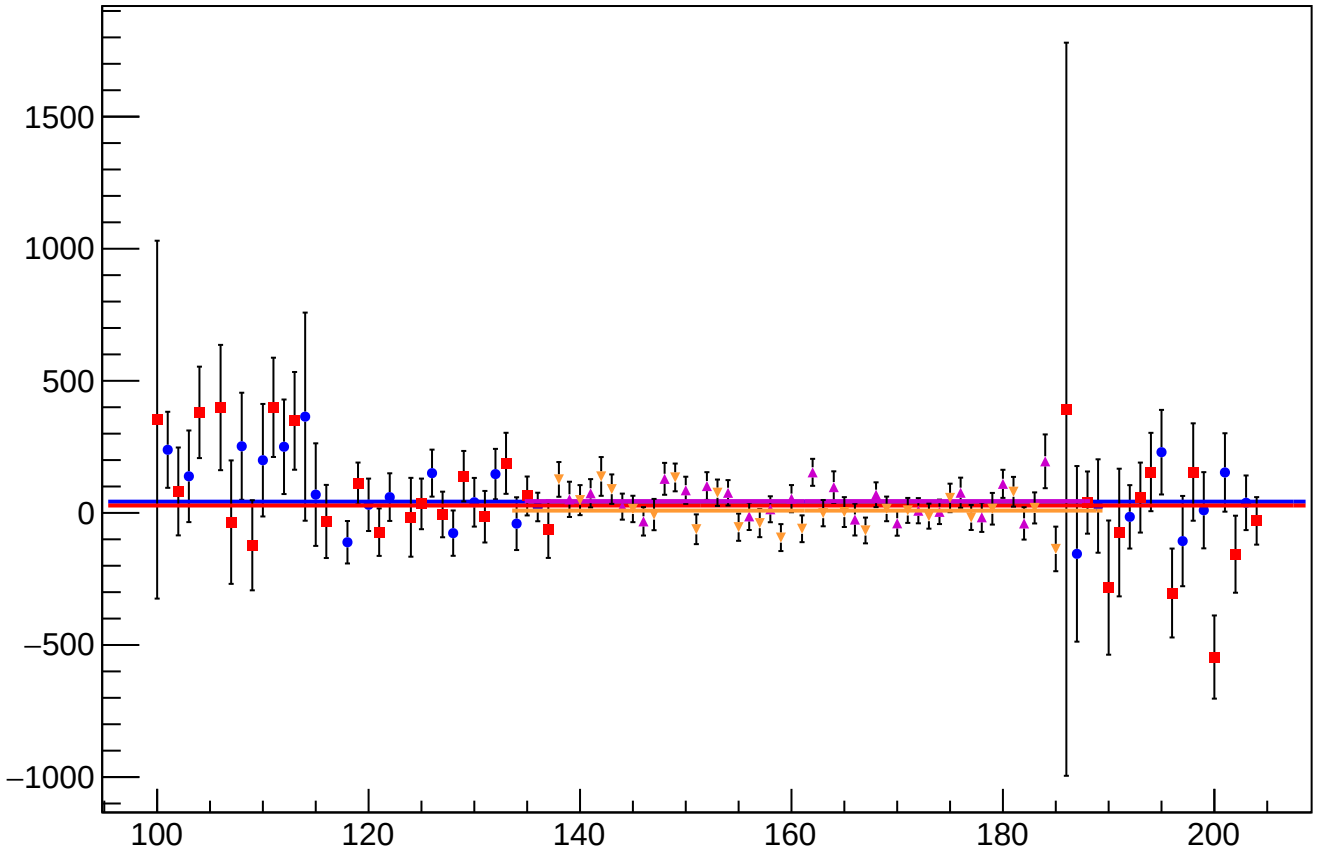
Left: 0.000+/-0.000 χ^2/NDF: 6357070.7/47

Right: 0.000+/-0.000 χ^2/NDF: 11716712.5/53

In: 0.000+/-0.000 χ^2/NDF:12343608.6/46

Out: 0.000+/-0.000 χ^2/NDF:12252458.8/54

All: 0.000+/-0.000 χ^2/NDF: 24782220.8/101



Right In: 42.554+/-23.092 χ^2/NDF: 18.3/23

Left Out: 8.756+/-10.770 χ^2/NDF:34.6/24

Right Out: 27.981+/-23.149 χ^2/NDF: 44.1/29

Left In: 44.541+/-11.149 χ^2/NDF:27.0/22

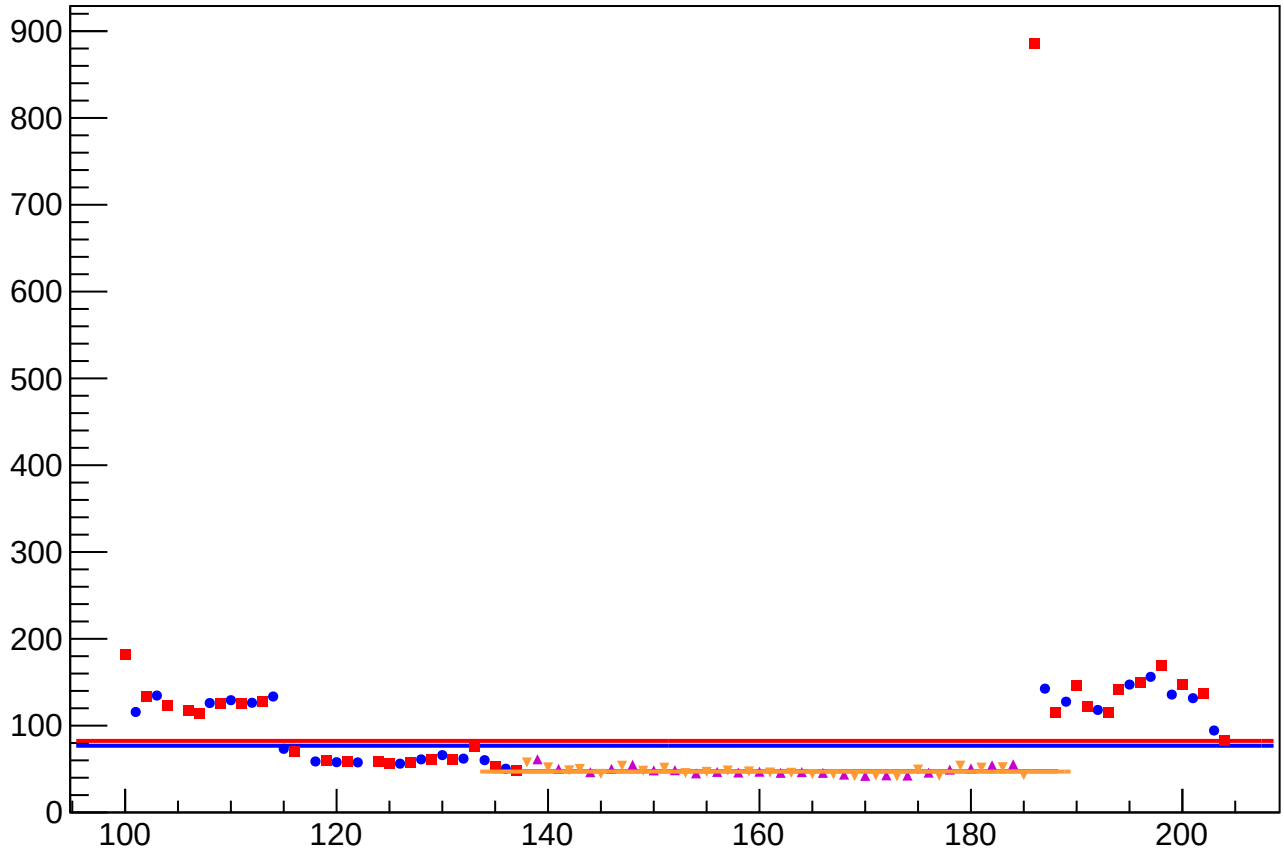
Left: 26.030+/-7.746 χ^2/NDF: 66.9/47

Right: 35.285+/-16.349 χ^2/NDF: 62.5/53

In: 44.166+/-10.040 χ^2/NDF:45.3/46

Out: 12.176+/-9.765 χ^2/NDF:79.2/54

All: 27.727+/-7.000 χ^2/NDF: 129.7/101



Right In: 76.849+/-0.016 χ^2/NDF: 3815401.2/23

Left Out: 47.064+/-0.008 χ^2/NDF:287590.7/24

Right Out: 82.443+/-0.016 χ^2/NDF: 4982780.8/29

Left In: 47.384+/-0.008 χ^2/NDF:271036.5/22

Left: 47.218+/-0.005 χ^2/NDF: 559476.9/47

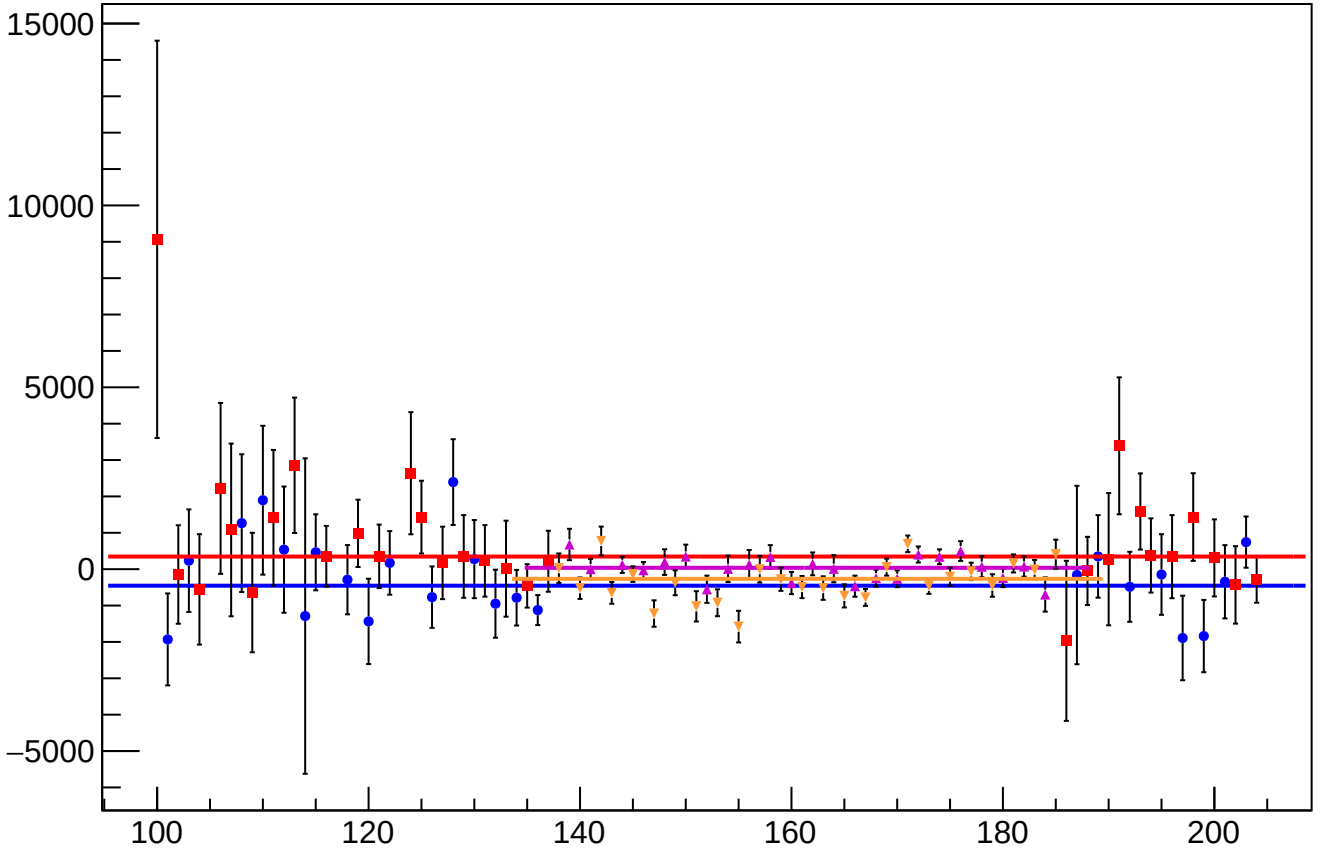
Right: 79.639+/-0.012 χ^2/NDF: 8856726.8/53

In: 52.953+/-0.007 χ^2/NDF:6727141.8/46

Out: 53.359+/-0.007 χ^2/NDF:9110593.2/54

All: 53.162+/-0.005 χ^2/NDF: 15839413.0/101

asym_sam_1526_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -454.295+/-198.374 χ^2/NDF: 22.7/23

Left Out: -265.684+/-58.031 χ^2/NDF:69.8/24

Right Out: 347.171+/-201.136 χ^2/NDF: 19.4/29

Left In: 37.530+/-59.159 χ^2/NDF:26.6/22

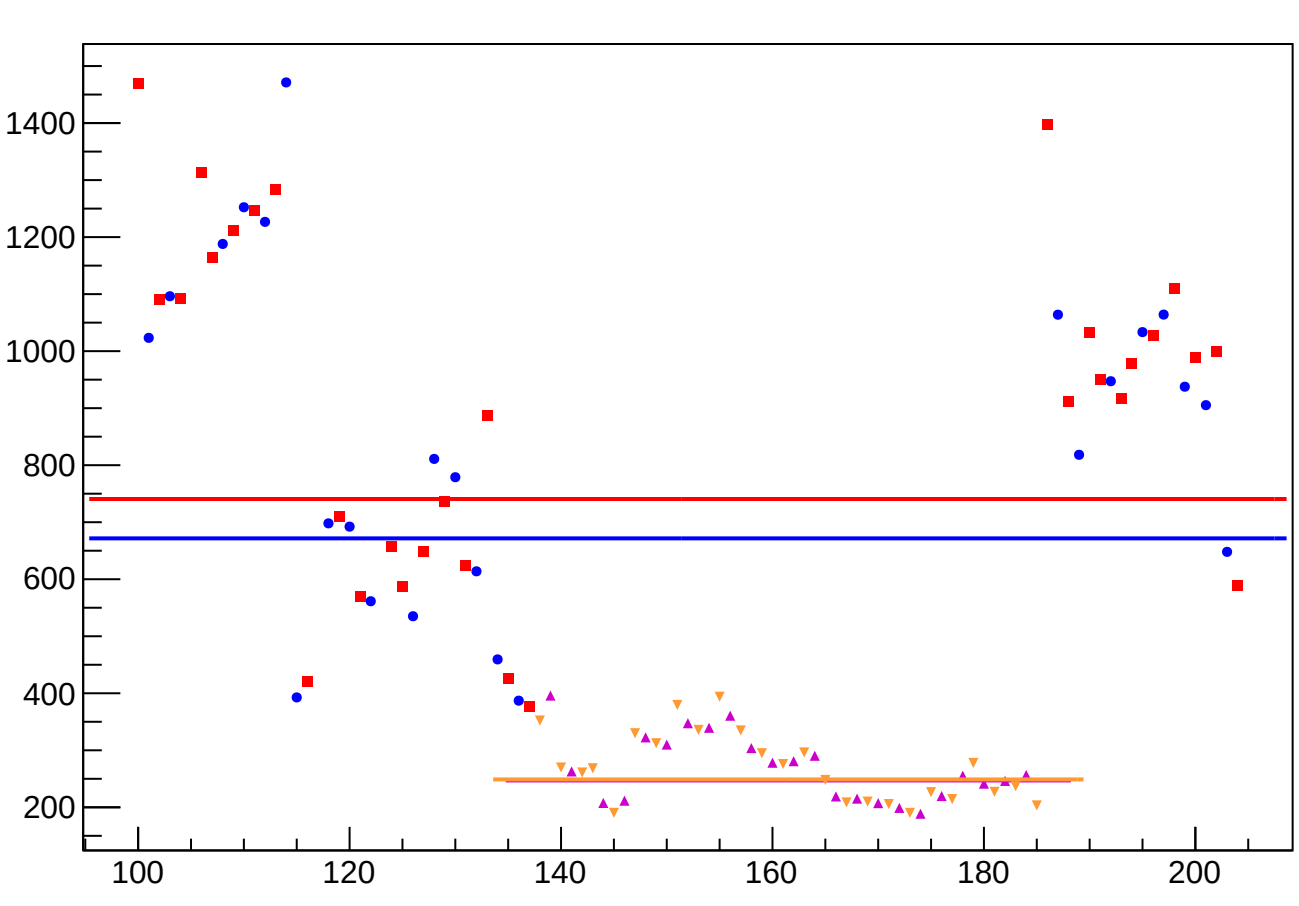
Left: -116.996+/-41.427 χ^2/NDF: 109.8/47

Right: -59.104+/-141.238 χ^2/NDF: 50.1/53

In: -2.639+/-56.692 χ^2/NDF:54.9/46

Out: -218.589+/-55.757 χ^2/NDF:97.8/54

All: -112.410+/-39.753 χ^2/NDF: 160.1/101



Right In: 671.661+/-0.140 χ^2/NDF: 3253925.9/23

Left Out: 248.891+/-0.041 χ^2/NDF:1663709.5/24

Right Out: 740.717+/-0.142 χ^2/NDF: 3511771.2/29

Left In: 247.109+/-0.042 χ^2/NDF:1484450.6/22

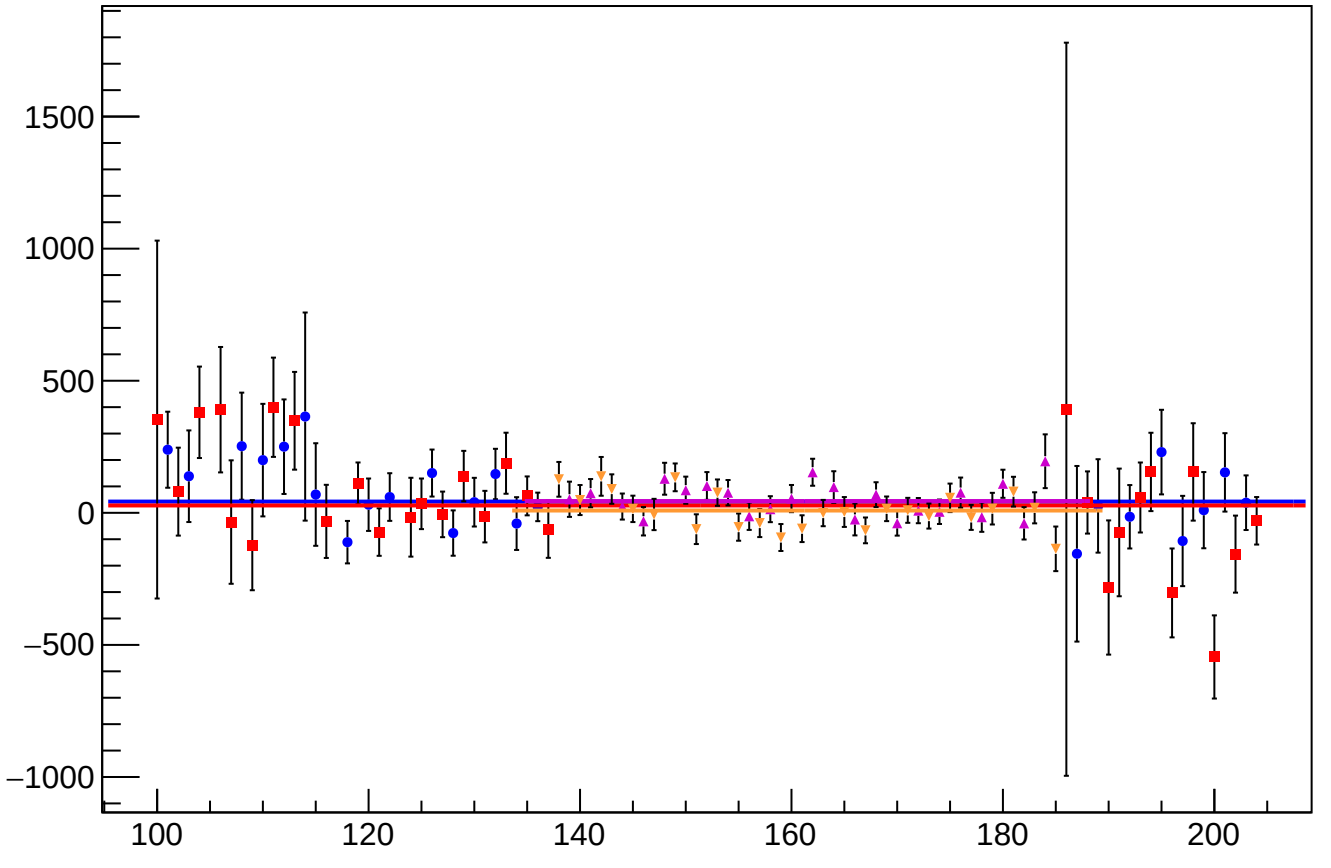
Left: 248.017+/-0.029 χ^2/NDF: 3149084.7/47

Right: 705.712+/-0.100 χ^2/NDF: 6885203.6/53

In: 281.783+/-0.040 χ^2/NDF:13150782.8/46

Out: 286.685+/-0.039 χ^2/NDF:16214927.2/54

All: 284.275+/-0.028 χ^2/NDF: 29373310.8/10



Right In: 42.547+/-23.092 χ^2/NDF: 18.3/23

Left Out: 8.758+/-10.770 χ^2/NDF:34.6/24

Right Out: 27.870+/-23.150 χ^2/NDF: 43.9/29

Left In: 44.540+/-11.149 χ^2/NDF:27.0/22

Left: 26.030+/-7.746 χ^2/NDF: 66.9/47

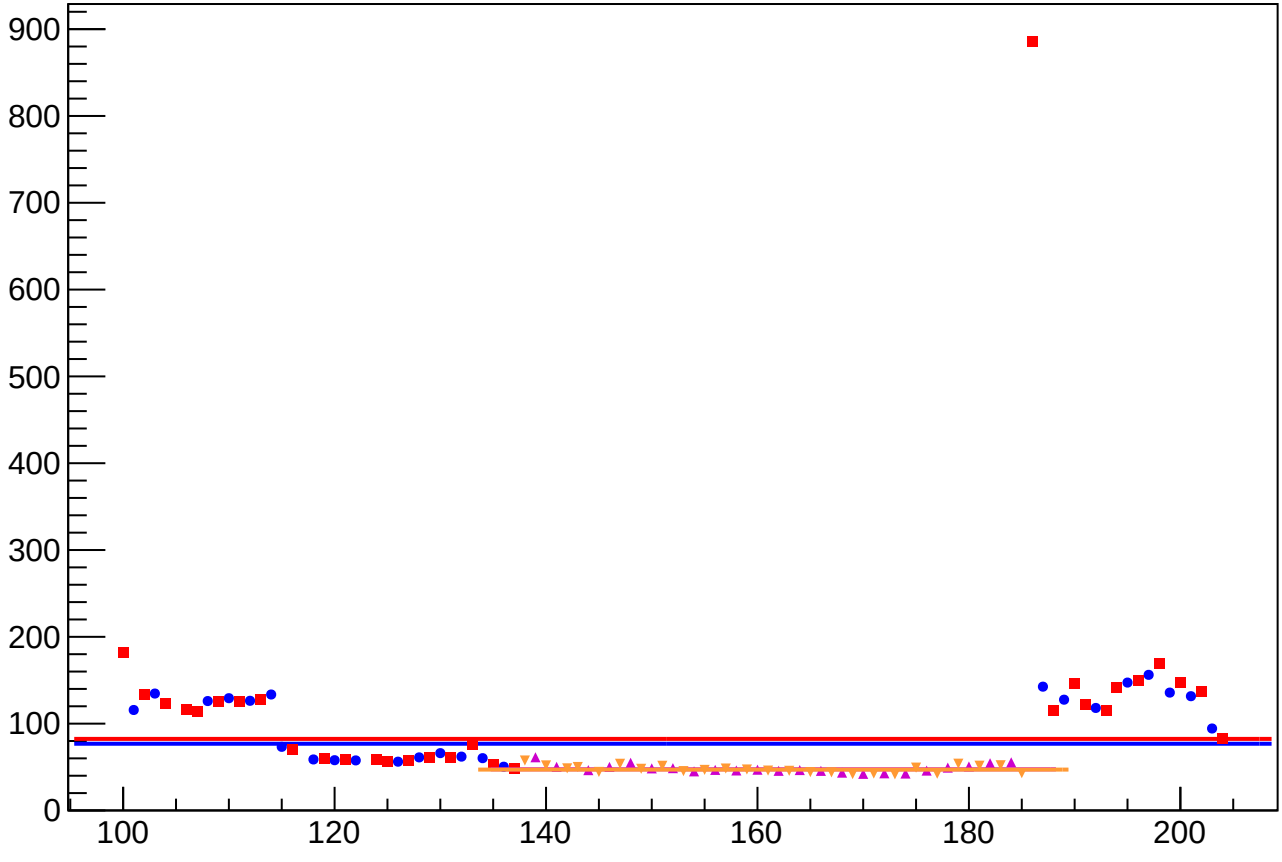
Right: 35.227+/-16.349 χ^2/NDF: 62.4/53

In: 44.163+/-10.040 χ^2/NDF:45.3/46

Out: 12.158+/-9.765 χ^2/NDF:79.1/54

All: 27.716+/-7.000 χ^2/NDF: 129.6/101

cor_asym_sam_1526_avg_rms vs Slug, Sign Corrected



Right In: 76.849+/-0.016 χ^2/NDF: 3815403.5/23

Left Out: 47.064+/-0.008 χ^2/NDF:287590.7/24

Right Out: 82.433+/-0.016 χ^2/NDF: 4980507.7/29

Left In: 47.384+/-0.008 χ^2/NDF:271036.5/22

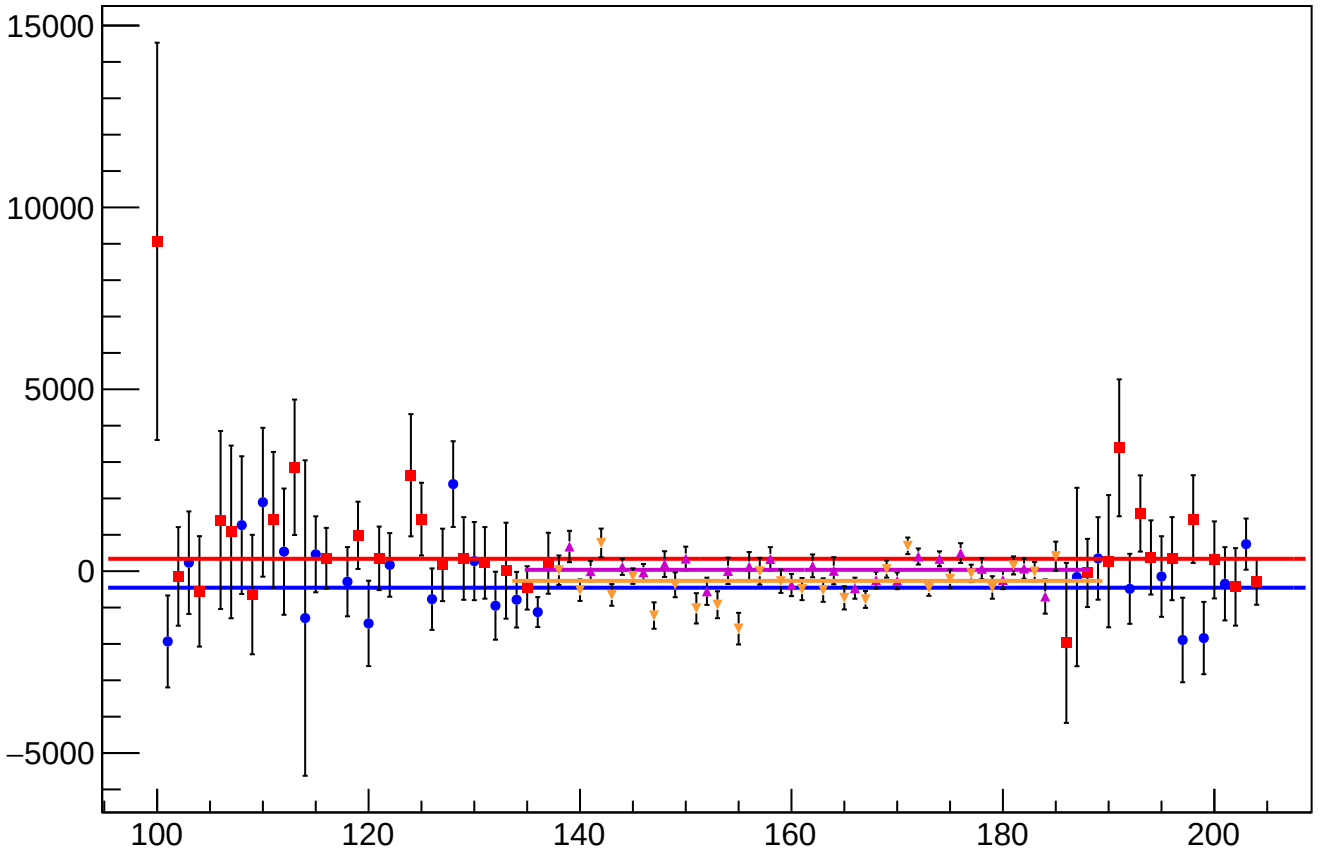
Left: 47.218+/-0.005 χ^2/NDF: 559476.9/47

Right: 79.634+/-0.012 χ^2/NDF: 8854243.8/53

In: 52.953+/-0.007 χ^2/NDF:6727143.9/46

Out: 53.357+/-0.007 χ^2/NDF:9105994.3/54

All: 53.161+/-0.005 χ^2/NDF: 15834799.6/101



Right In: -454.284+/-198.374 χ^2/NDF: 22.7/23

Left Out: -265.680+/-58.031 χ^2/NDF:69.8/24

Right Out: 340.663+/-201.198 χ^2/NDF: 18.9/29

Left In: 37.527+/-59.159 χ^2/NDF:26.6/22

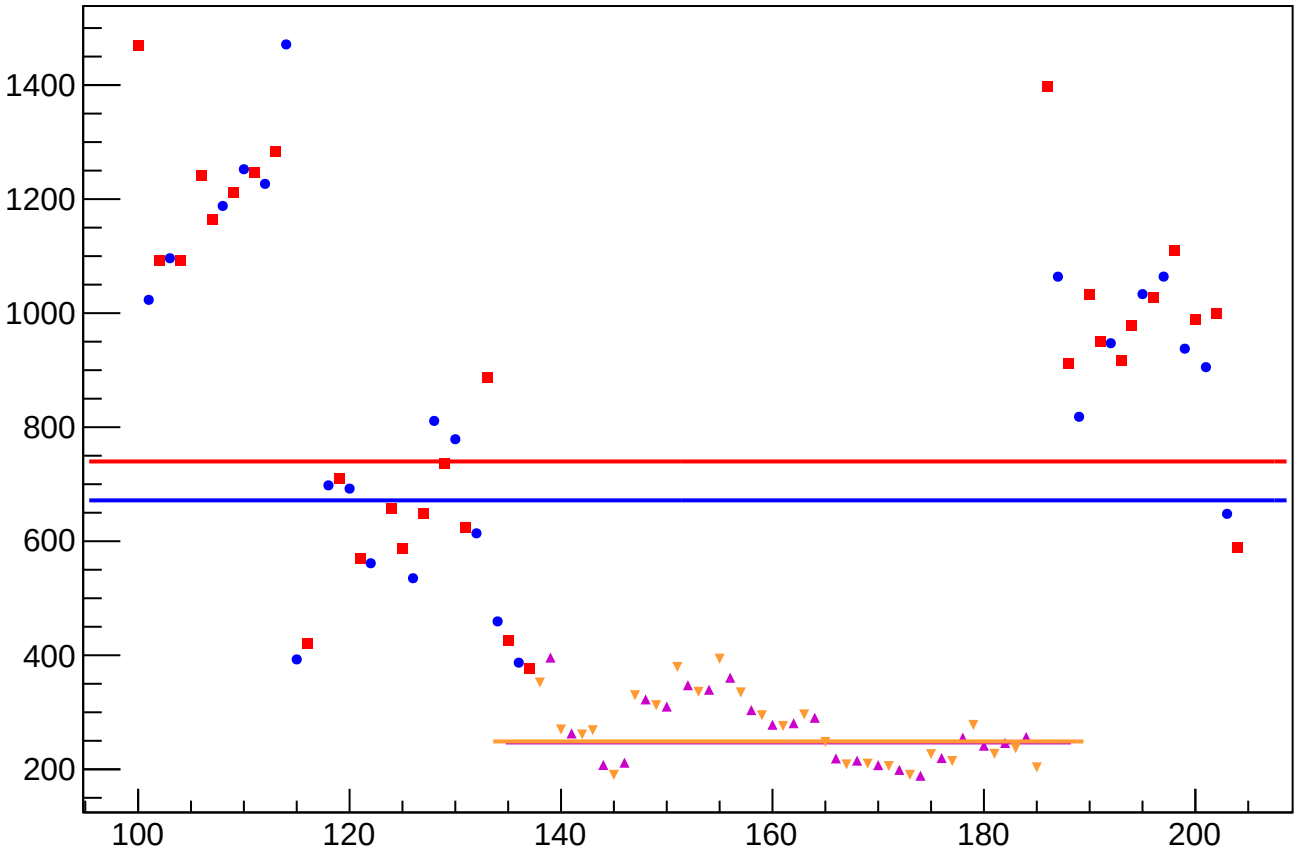
Left: -116.996+/-41.427 χ^2/NDF: 109.8/47

Right: -62.428+/-141.259 χ^2/NDF: 49.5/53

In: -2.641+/-56.692 χ^2/NDF:54.9/46

Out: -219.112+/-55.758 χ^2/NDF:97.1/54

All: -112.674+/-39.753 χ^2/NDF: 159.5/101



Right In: 671.661+/-0.140 χ^2/NDF: 3253966.0/23

Left Out: 248.891+/-0.041 χ^2/NDF:1663717.9/24

Right Out: 739.908+/-0.142 χ^2/NDF: 3477043.0/29

Left In: 247.109+/-0.042 χ^2/NDF:1484445.1/22

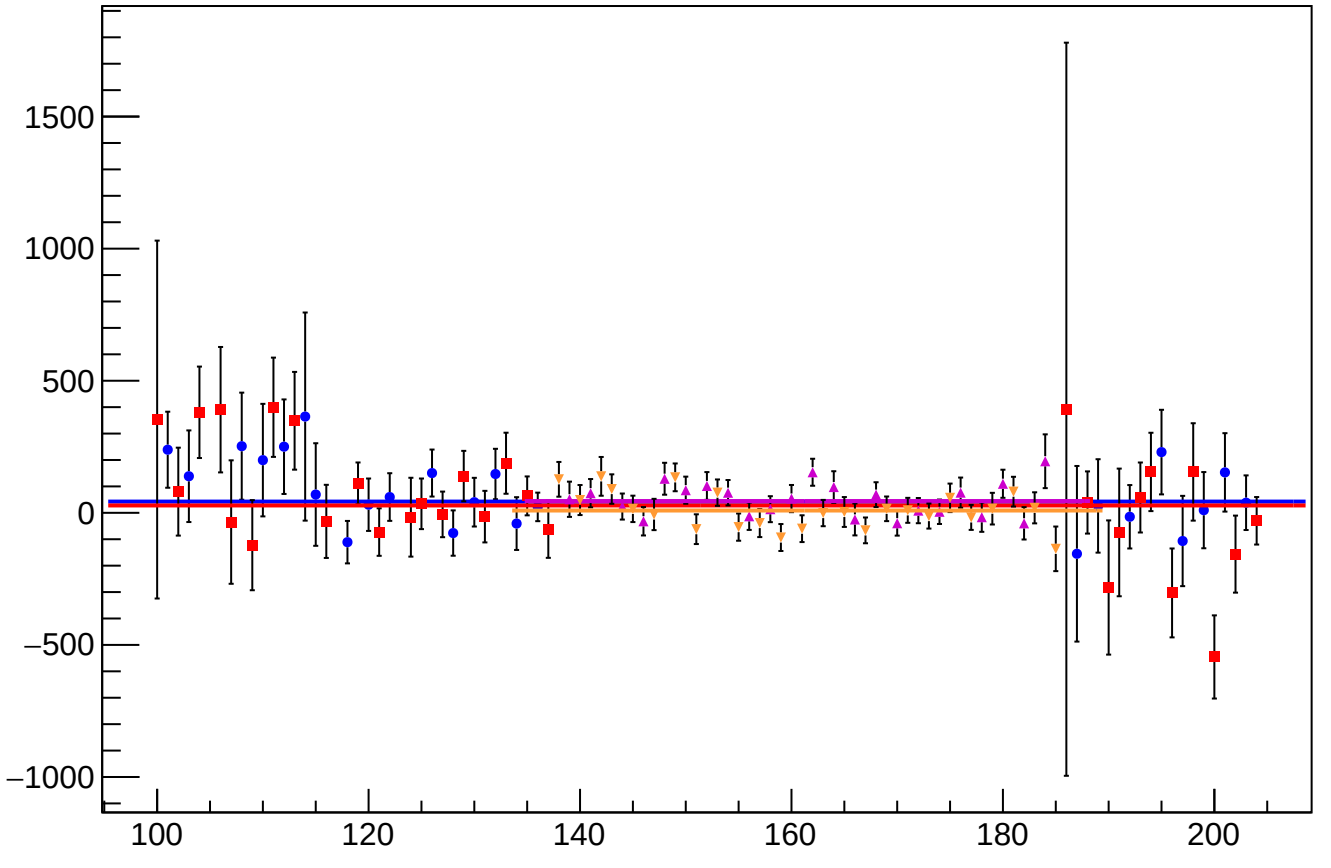
Left: 248.017+/-0.029 χ^2/NDF: 3149087.2/47

Right: 705.302+/-0.100 χ^2/NDF: 6847693.9/53

In: 281.783+/-0.040 χ^2/NDF:13150795.1/46

Out: 286.602+/-0.039 χ^2/NDF:16137723.2/54

All: 284.233+/-0.028 χ^2/NDF: 29295861.7/10



Right In: 42.547+/-23.092 χ^2/NDF: 18.3/23

Left Out: 8.758+/-10.770 χ^2/NDF:34.6/24

Right Out: 27.870+/-23.150 χ^2/NDF: 43.9/29

Left In: 44.540+/-11.149 χ^2/NDF:27.0/22

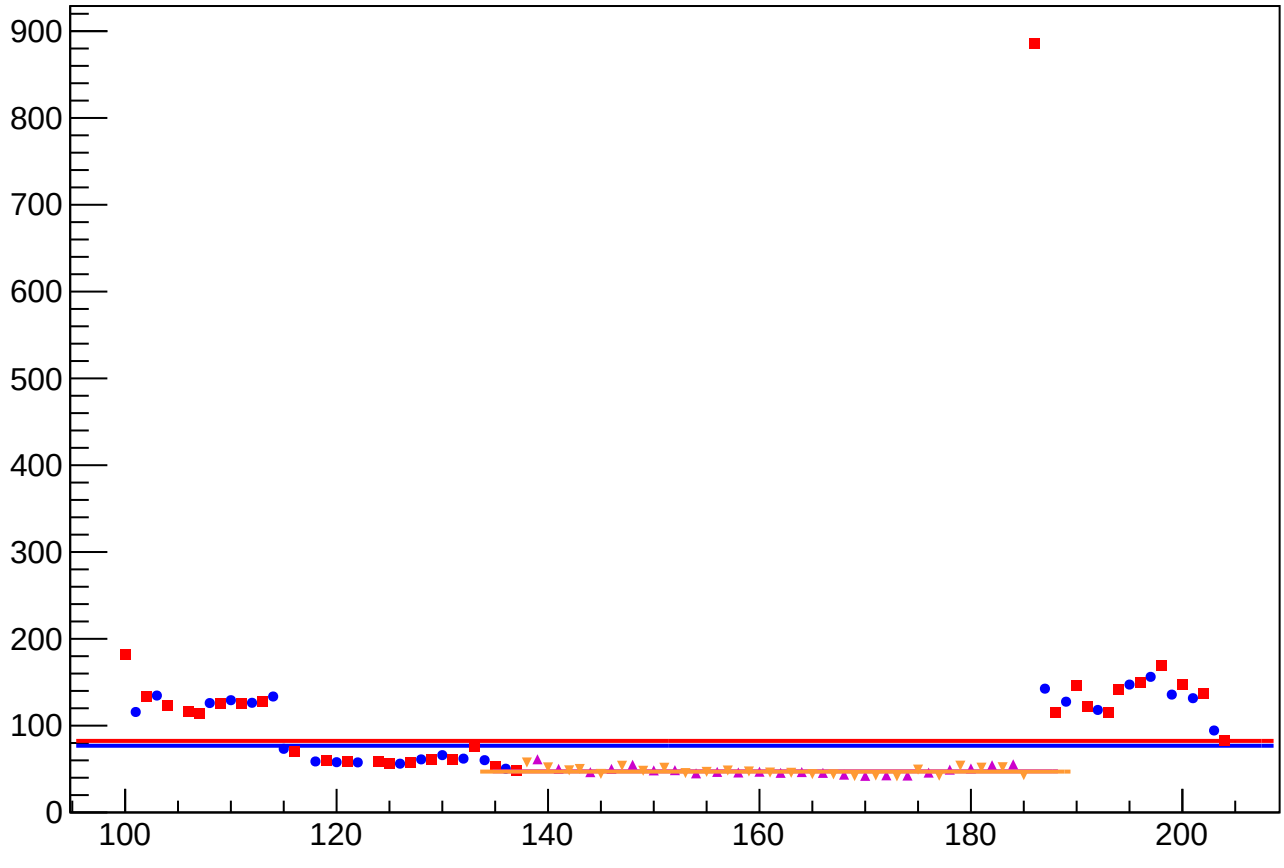
Left: 26.030+/-7.746 χ^2/NDF: 66.9/47

Right: 35.227+/-16.349 χ^2/NDF: 62.4/53

In: 44.163+/-10.040 χ^2/NDF:45.3/46

Out: 12.158+/-9.765 χ^2/NDF:79.1/54

All: 27.716+/-7.000 χ^2/NDF: 129.6/101



Right In: 76.849+/-0.016 χ^2/NDF: 3815403.5/23

Left Out: 47.064+/-0.008 χ^2/NDF:287590.7/24

Right Out: 82.433+/-0.016 χ^2/NDF: 4980507.7/29

Left In: 47.384+/-0.008 χ^2/NDF:271036.5/22

Left: 47.218+/-0.005 χ^2/NDF: 559476.9/47

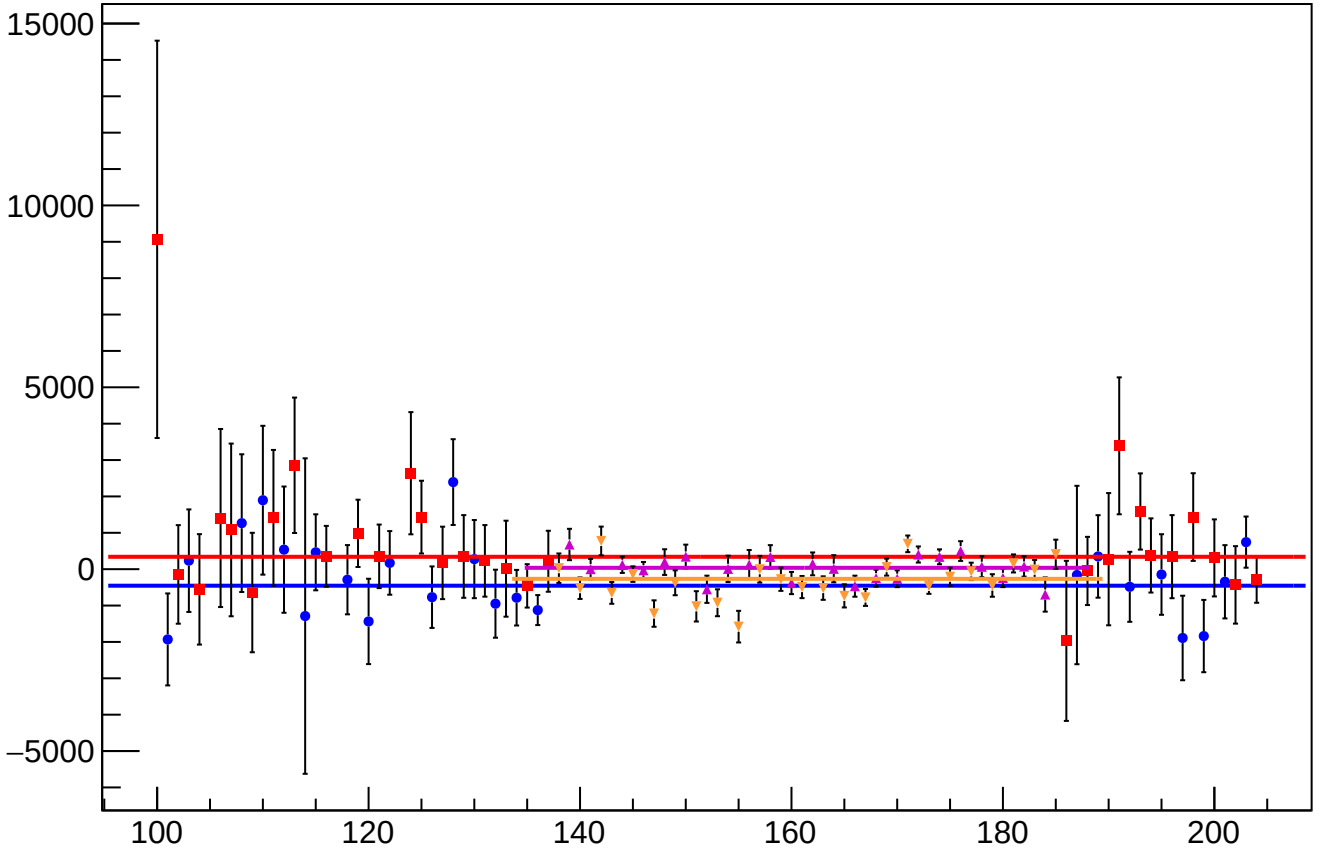
Right: 79.634+/-0.012 χ^2/NDF: 8854243.8/53

In: 52.953+/-0.007 χ^2/NDF:6727143.9/46

Out: 53.357+/-0.007 χ^2/NDF:9105994.3/54

All: 53.161+/-0.005 χ^2/NDF: 15834799.6/101

asym_sam_1526_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -454.284+/-198.374 χ^2/NDF: 22.7/23

Left Out: -265.680+/-58.031 χ^2/NDF:69.8/24

Right Out: 340.663+/-201.198 χ^2/NDF: 18.9/29

Left In: 37.527+/-59.159 χ^2/NDF:26.6/22

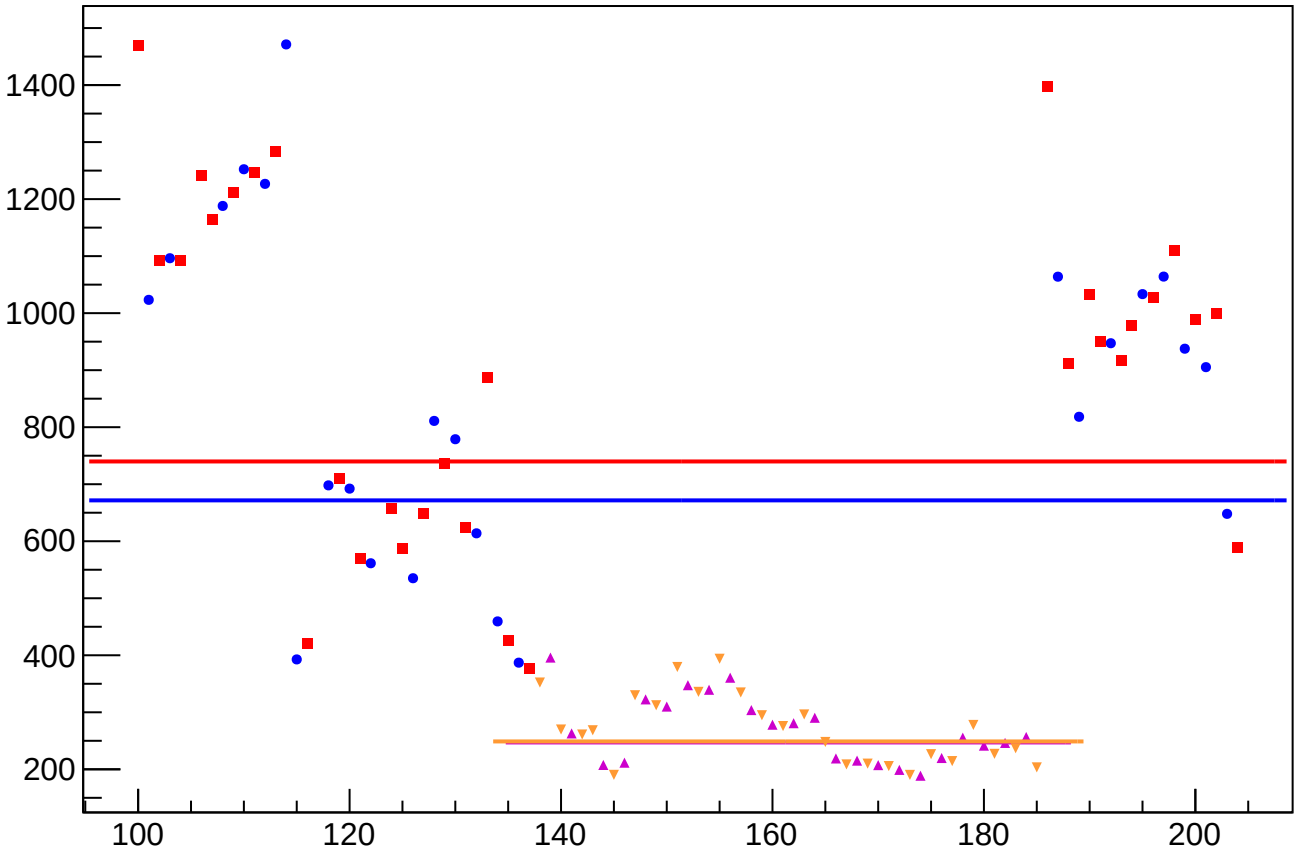
Left: -116.996+/-41.427 χ^2/NDF: 109.8/47

Right: -62.428+/-141.259 χ^2/NDF: 49.5/53

In: -2.641+/-56.692 χ^2/NDF:54.9/46

Out: -219.112+/-55.758 χ^2/NDF:97.1/54

All: -112.674+/-39.753 χ^2/NDF: 159.5/101



Right In: 671.661+/-0.140 χ^2/NDF: 3253966.0/23

Left Out: 248.891+/-0.041 χ^2/NDF:1663717.9/24

Right Out: 739.908+/-0.142 χ^2/NDF: 3477043.0/29

Left In: 247.109+/-0.042 χ^2/NDF:1484445.1/22

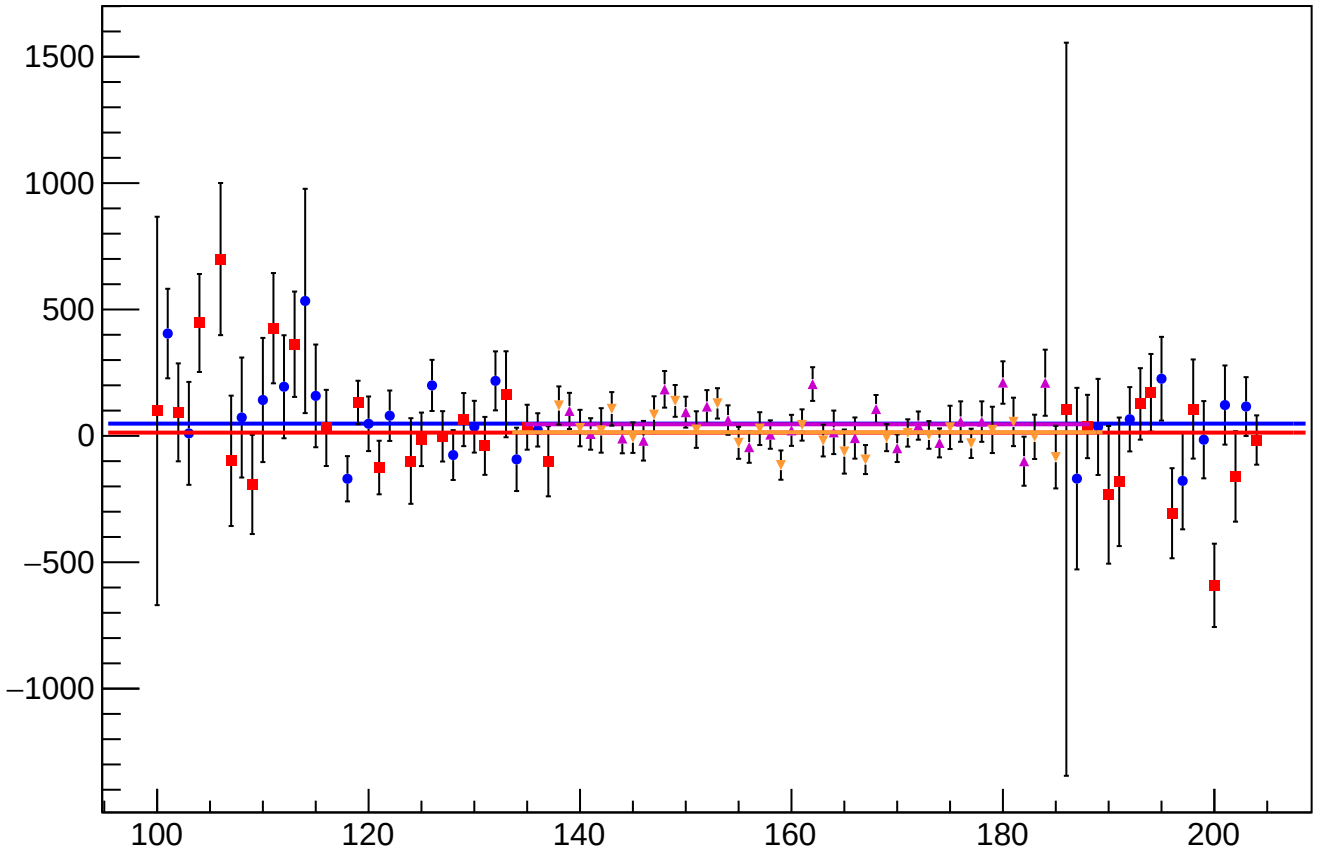
Left: 248.017+/-0.029 χ^2/NDF: 3149087.2/47

Right: 705.302+/-0.100 χ^2/NDF: 6847693.9/53

In: 281.783+/-0.040 χ^2/NDF:13150795.1/46

Out: 286.602+/-0.039 χ^2/NDF:16137723.2/54

All: 284.233+/-0.028 χ^2/NDF: 29295861.7/10



Right In: 48.494+/-26.387 χ^2/NDF: 23.3/23

Left Out: 14.498+/-13.454 χ^2/NDF:24.5/24

Right Out: 12.895+/-26.350 χ^2/NDF: 45.2/29

Left In: 45.806+/-13.931 χ^2/NDF:30.7/22

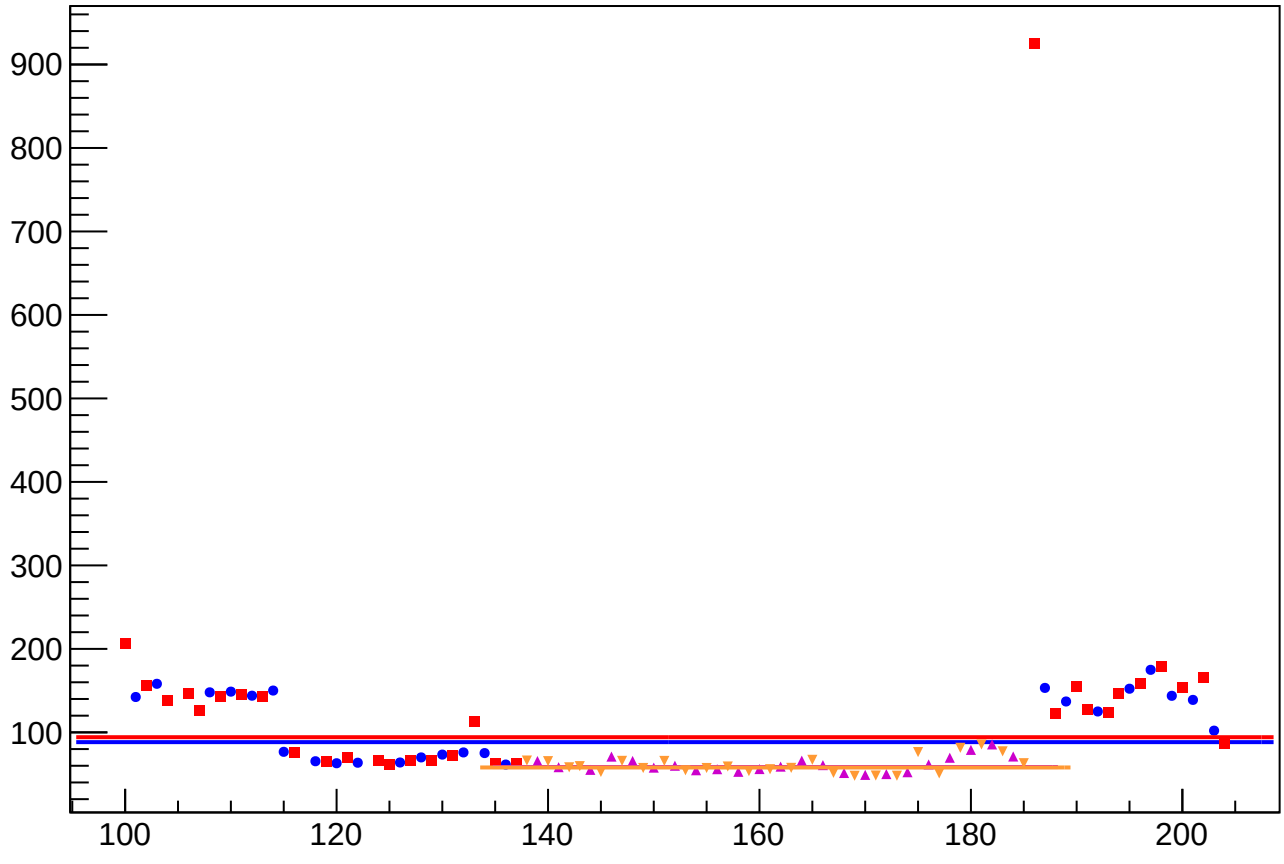
Left: 29.607+/-9.678 χ^2/NDF: 57.9/47

Right: 30.670+/-18.645 χ^2/NDF: 69.4/53

In: 46.392+/-12.320 χ^2/NDF:54.0/46

Out: 14.167+/-11.983 χ^2/NDF:69.8/54

All: 29.833+/-8.590 χ^2/NDF: 127.3/101



Right In: 88.301+/-0.019 χ^2/NDF: 3399149.1/23

Left Out: 57.965+/-0.010 χ^2/NDF:896947.4/24

Right Out: 94.204+/-0.019 χ^2/NDF: 4560078.3/29

Left In: 58.479+/-0.010 χ^2/NDF:649919.9/22

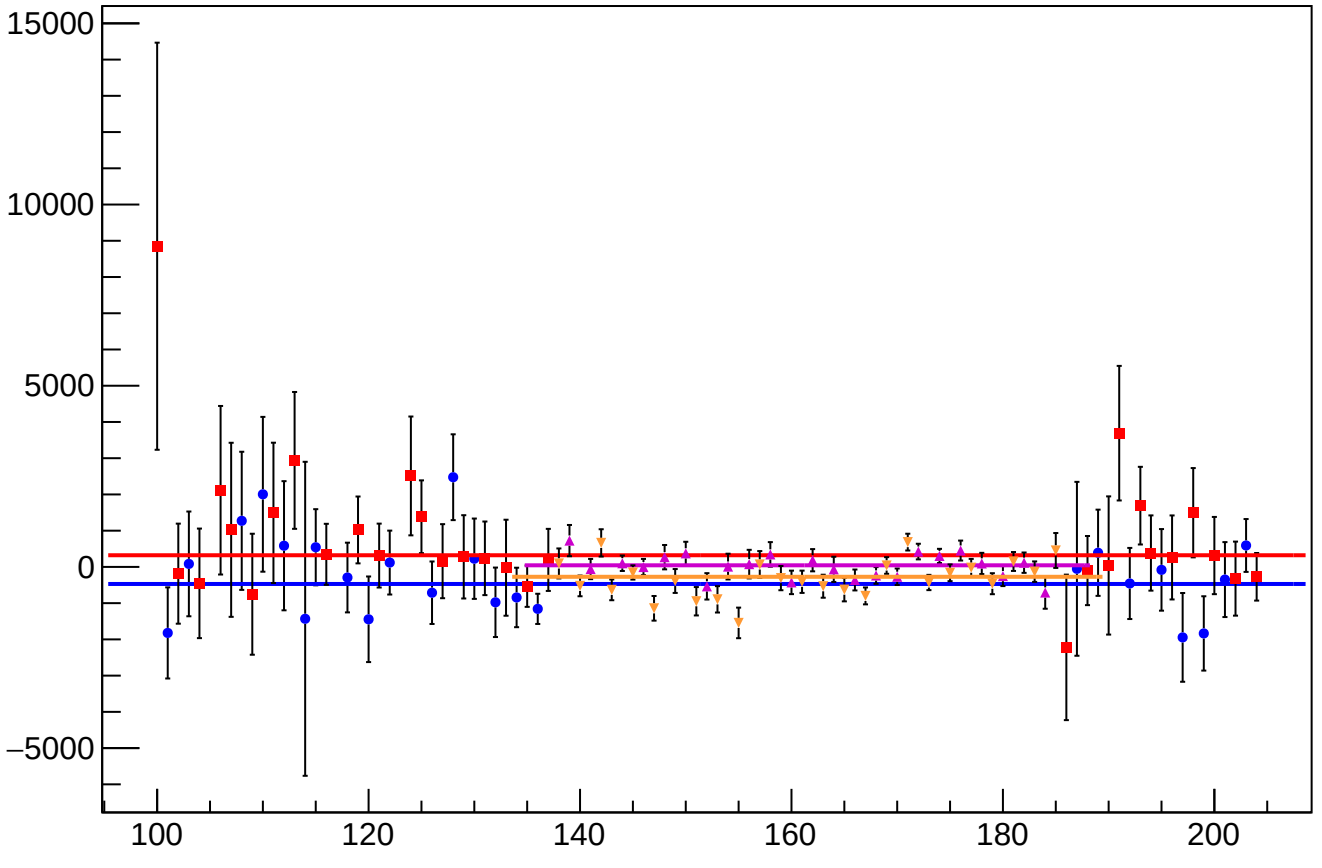
Left: 58.213+/-0.007 χ^2/NDF: 1548274.7/47

Right: 91.257+/-0.013 χ^2/NDF: 8009351.7/53

In: 64.980+/-0.009 χ^2/NDF:6046786.4/46

Out: 65.459+/-0.008 χ^2/NDF:8457589.6/54

All: 65.226+/-0.006 χ^2/NDF: 14505934.3/101



Right In: -470.742+/-202.807 χ^2/NDF: 21.9/23

Left Out: -272.513+/-57.274 χ^2/NDF:65.8/24

Right Out: 322.003+/-202.209 χ^2/NDF: 20.8/29

Left In: 44.553+/-58.614 χ^2/NDF:26.5/22

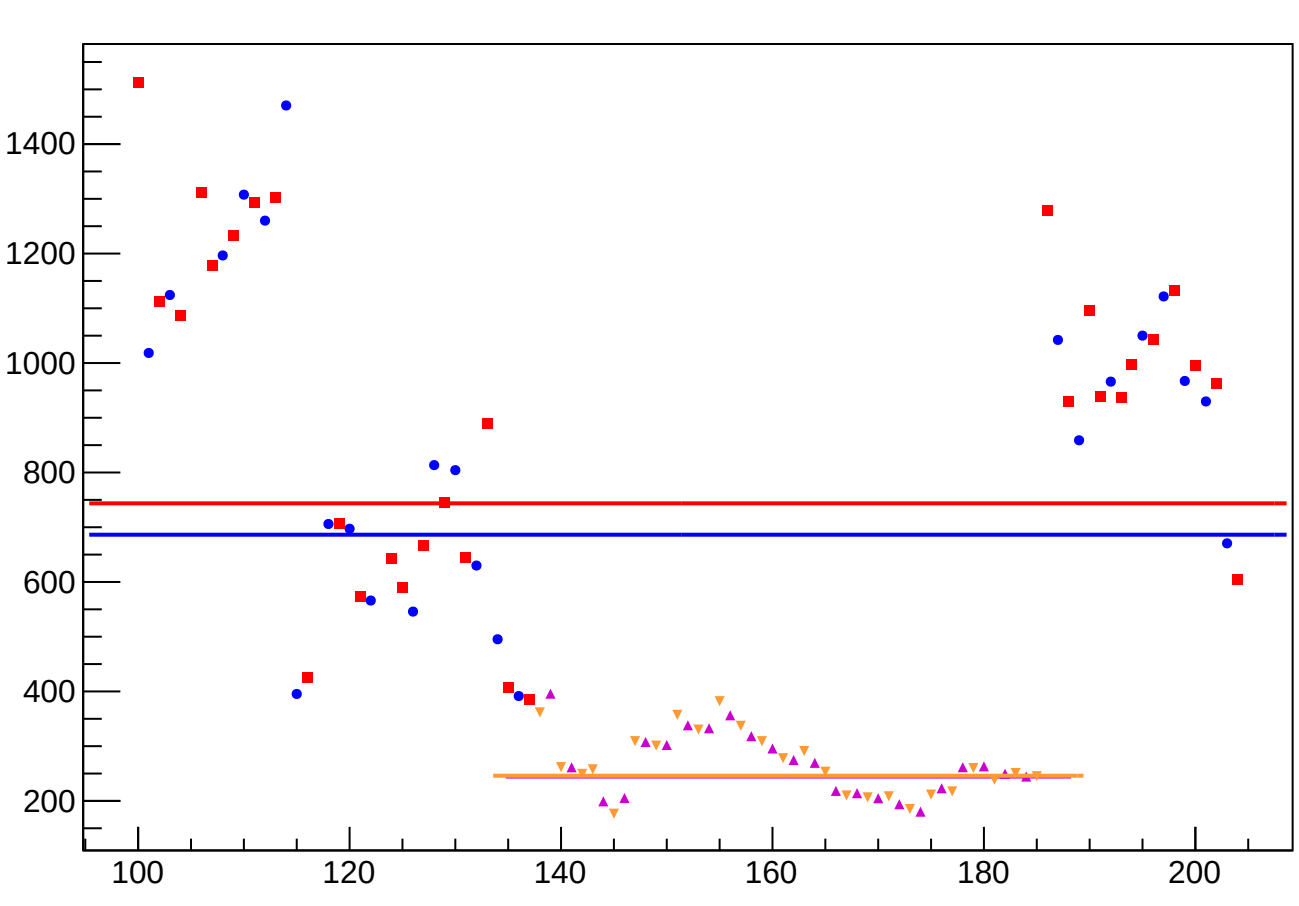
Left: -117.646+/-40.964 χ^2/NDF: 107.2/47

Right: -73.199+/-143.194 χ^2/NDF: 50.3/53

In: 4.829+/-56.310 χ^2/NDF:54.3/46

Out: -228.360+/-55.106 χ^2/NDF:94.6/54

All: -114.284+/-39.385 χ^2/NDF: 157.6/101



Right In: 686.361+/-0.143 χ^2/NDF: 3287578.0/23

Left Out: 246.017+/-0.040 χ^2/NDF:1680565.1/24

Right Out: 743.652+/-0.143 χ^2/NDF: 3613599.8/29

Left In: 244.450+/-0.041 χ^2/NDF:1596988.0/22

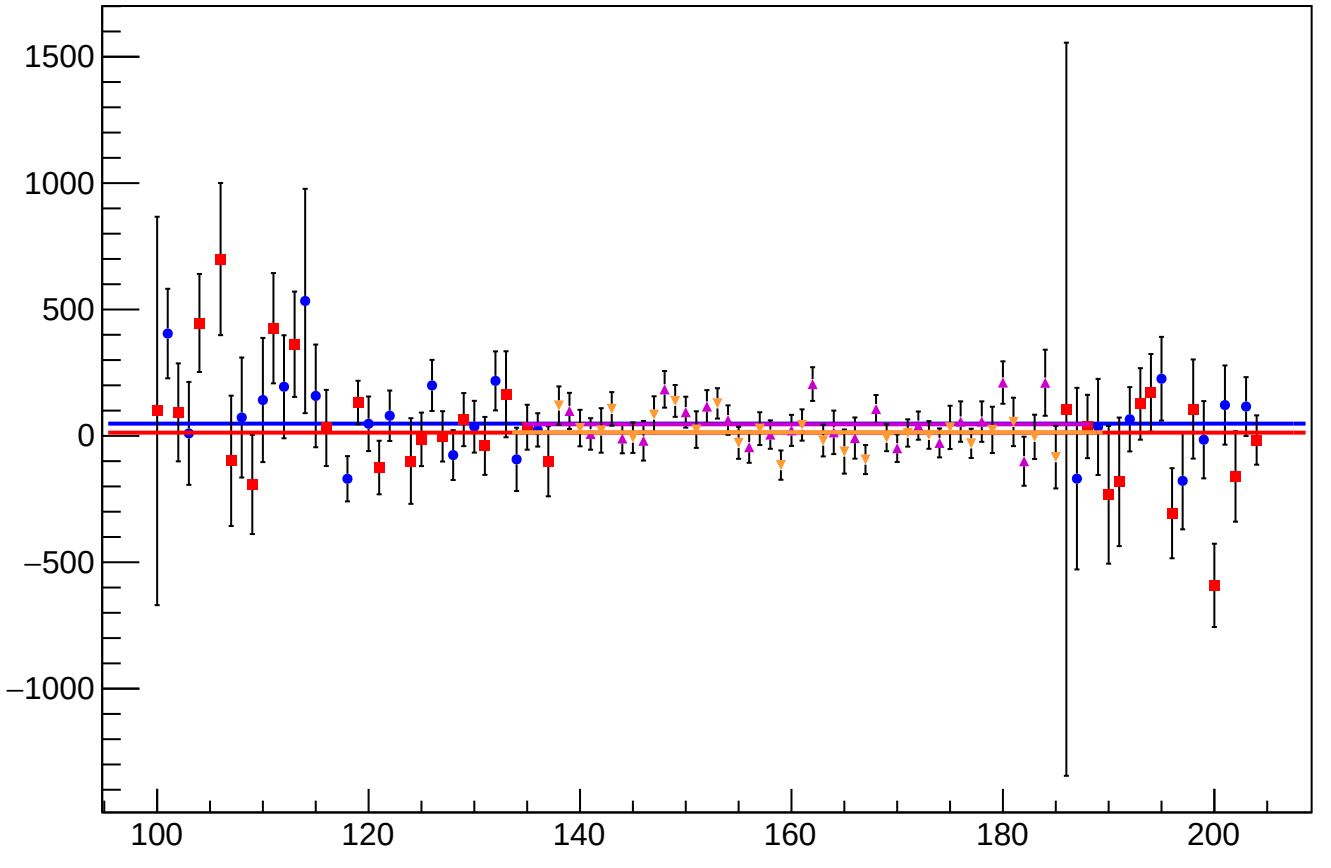
Left: 245.251+/-0.029 χ^2/NDF: 3278284.0/47

Right: 715.091+/-0.101 χ^2/NDF: 6981214.2/53

In: 278.517+/-0.040 χ^2/NDF:13648383.1/46

Out: 282.975+/-0.039 χ^2/NDF:16507574.0/54

All: 280.794+/-0.028 χ^2/NDF: 30162360.0/10



Right In: 48.496+/-26.387 χ^2/NDF: 23.3/23

Left Out: 14.498+/-13.454 χ^2/NDF:24.5/24

Right Out: 12.895+/-26.350 χ^2/NDF: 45.2/29

Left In: 45.805+/-13.931 χ^2/NDF:30.7/22

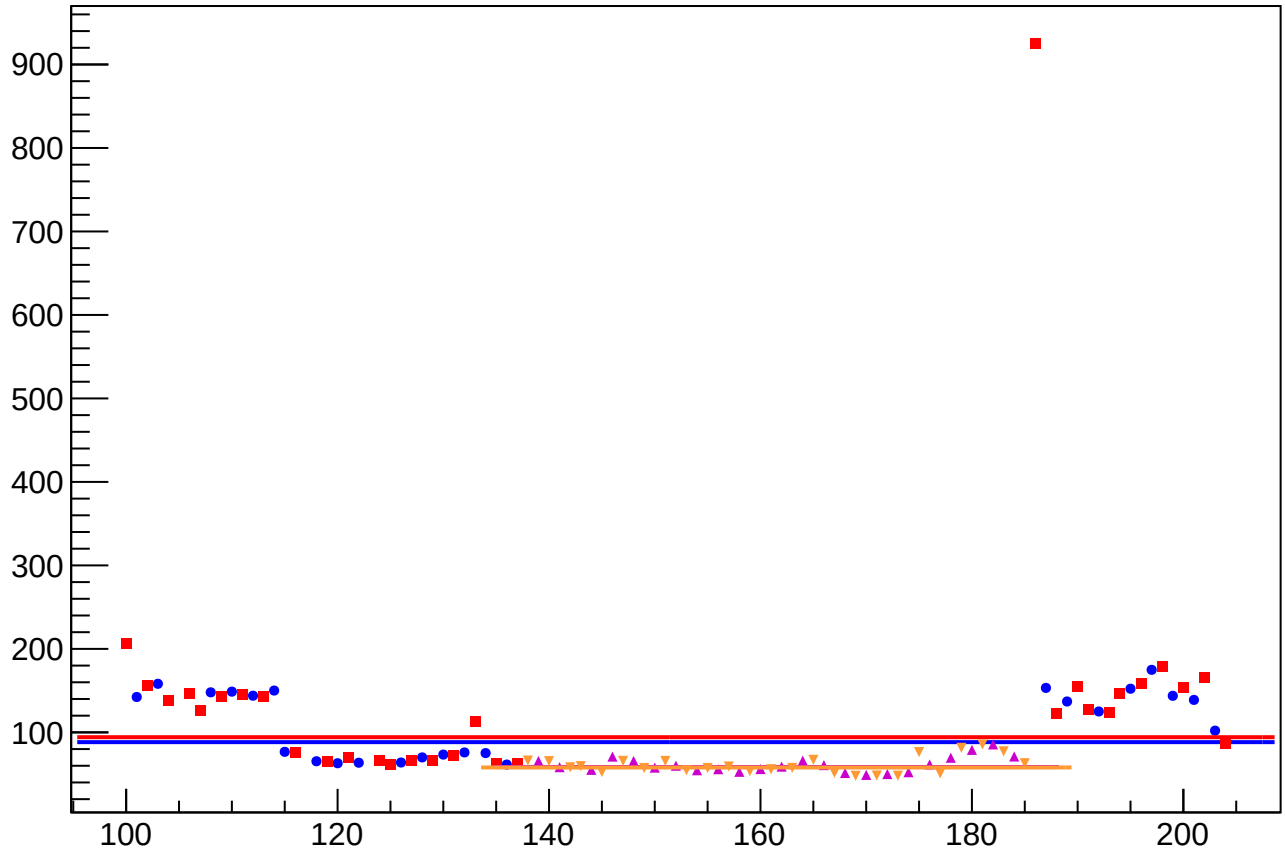
Left: 29.606+/-9.678 χ^2/NDF: 57.9/47

Right: 30.670+/-18.645 χ^2/NDF: 69.4/53

In: 46.392+/-12.320 χ^2/NDF:54.0/46

Out: 14.166+/-11.983 χ^2/NDF:69.8/54

All: 29.832+/-8.590 χ^2/NDF: 127.3/101



Right In: 88.300+/-0.019 χ^2/NDF: 3399151.7/23

Left Out: 57.965+/-0.010 χ^2/NDF:896952.8/24

Right Out: 94.204+/-0.019 χ^2/NDF: 4560092.7/29

Left In: 58.479+/-0.010 χ^2/NDF:649911.4/22

Left: 58.213+/-0.007 χ^2/NDF: 1548272.0/47

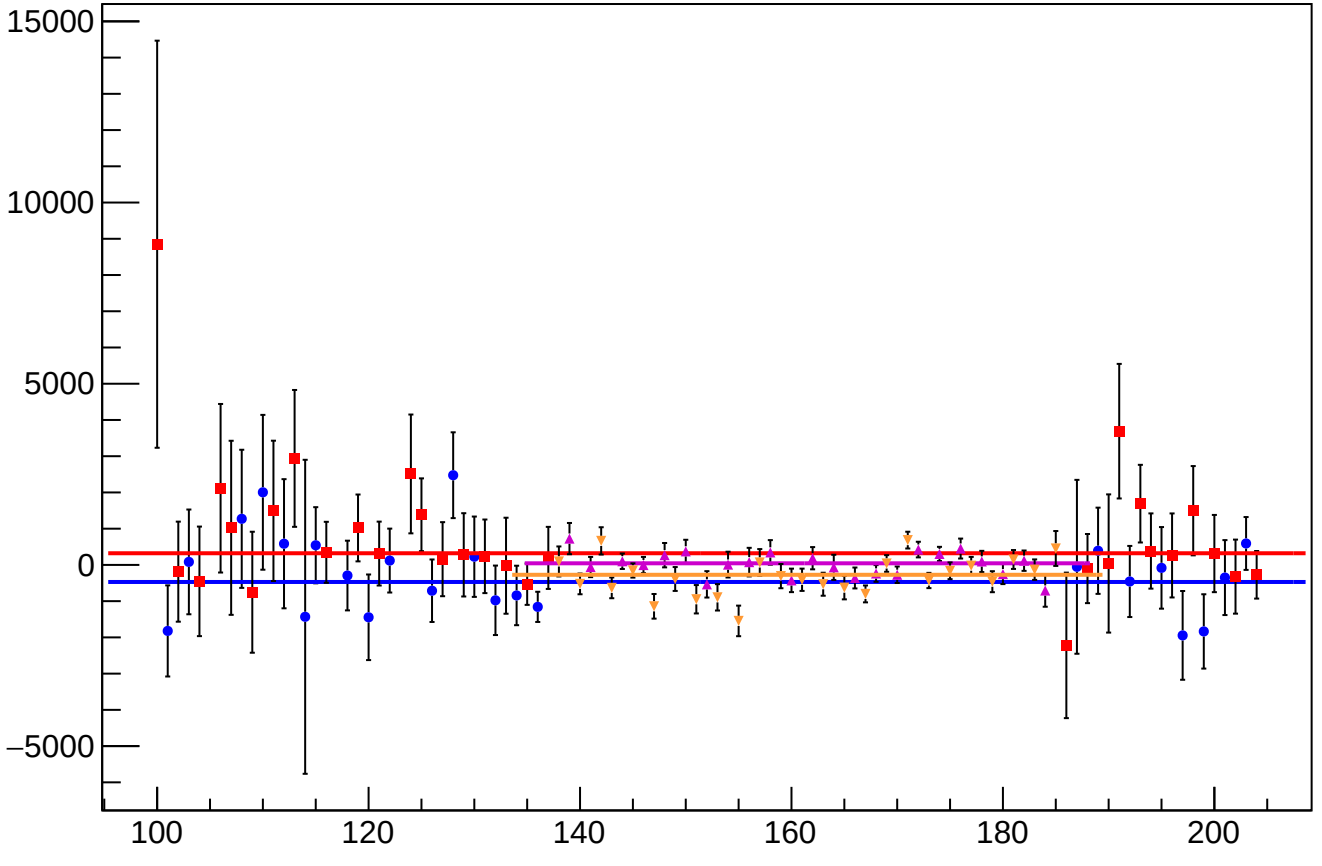
Right: 91.256+/-0.013 χ^2/NDF: 8009369.7/53

In: 64.980+/-0.009 χ^2/NDF:6046722.8/46

Out: 65.459+/-0.008 χ^2/NDF:8457556.9/54

All: 65.226+/-0.006 χ^2/NDF: 14505837.7/101

asym_sam_1526_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -470.740+/-202.807 χ^2/NDF: 21.9/23

Left Out: -272.512+/-57.274 χ^2/NDF:65.8/24

Right Out: 322.004+/-202.209 χ^2/NDF: 20.8/29

Left In: 44.552+/-58.614 χ^2/NDF:26.5/22

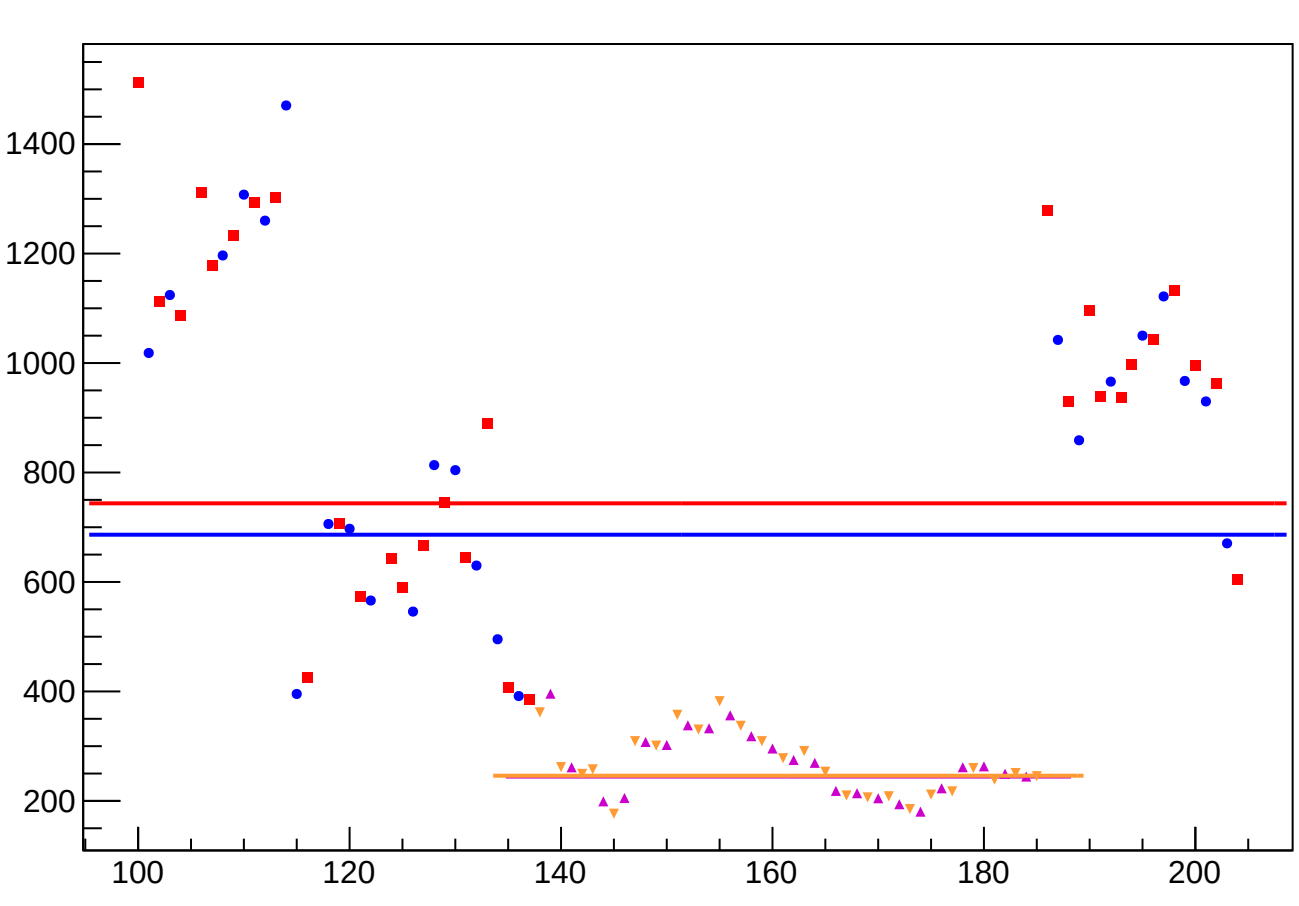
Left: -117.646+/-40.964 χ^2/NDF: 107.2/47

Right: -73.197+/-143.194 χ^2/NDF: 50.3/53

In: 4.828+/-56.310 χ^2/NDF:54.3/46

Out: -228.359+/-55.106 χ^2/NDF:94.6/54

All: -114.284+/-39.385 χ^2/NDF: 157.6/101



Right In: 686.361+/-0.143 χ^2/NDF: 3287561.9/23

Left Out: 246.016+/-0.040 χ^2/NDF:1680566.1/24

Right Out: 743.652+/-0.143 χ^2/NDF: 3613580.7/29

Left In: 244.450+/-0.041 χ^2/NDF:1596977.8/22

Left: 245.251+/-0.029 χ^2/NDF: 3278274.7/47

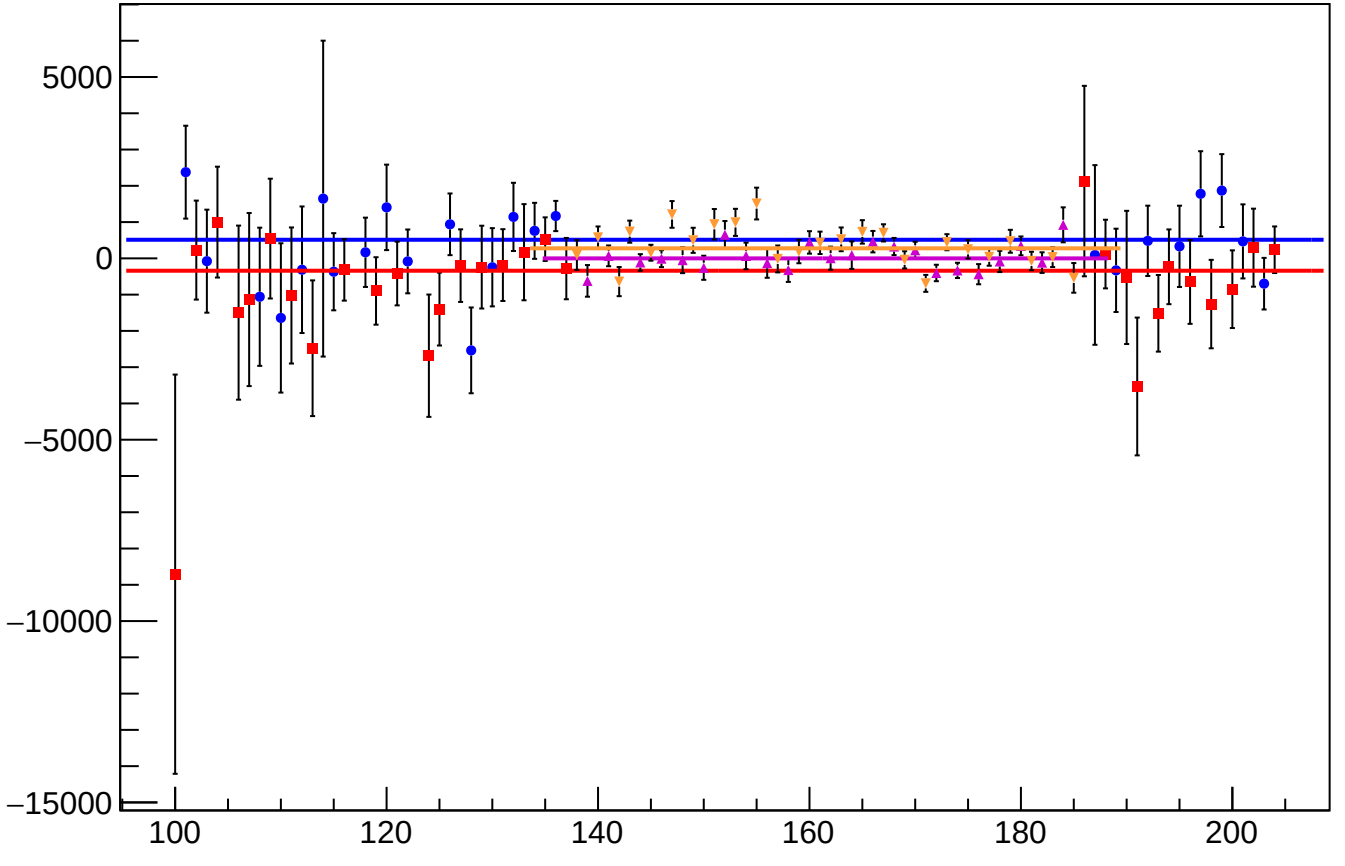
Right: 715.091+/-0.101 χ^2/NDF: 6981179.5/53

In: 278.517+/-0.040 χ^2/NDF:13648366.8/46

Out: 282.974+/-0.039 χ^2/NDF:16507580.1/54

All: 280.794+/-0.028 χ^2/NDF: 30162349.2/10

asym_sam_1526_avg_mean vs Slug, Sign Corrected



Right In: 512.950+/-200.201 χ^2/NDF: 23.1/23

Left Out: 277.077+/-59.149 χ^2/NDF:64.1/24

Right Out: -340.802+/-203.057 χ^2/NDF: 18.3/29

Left In: -0.556+/-60.356 χ^2/NDF:28.1/22

Left: 141.066+/-42.245 χ^2/NDF: 103.0/47

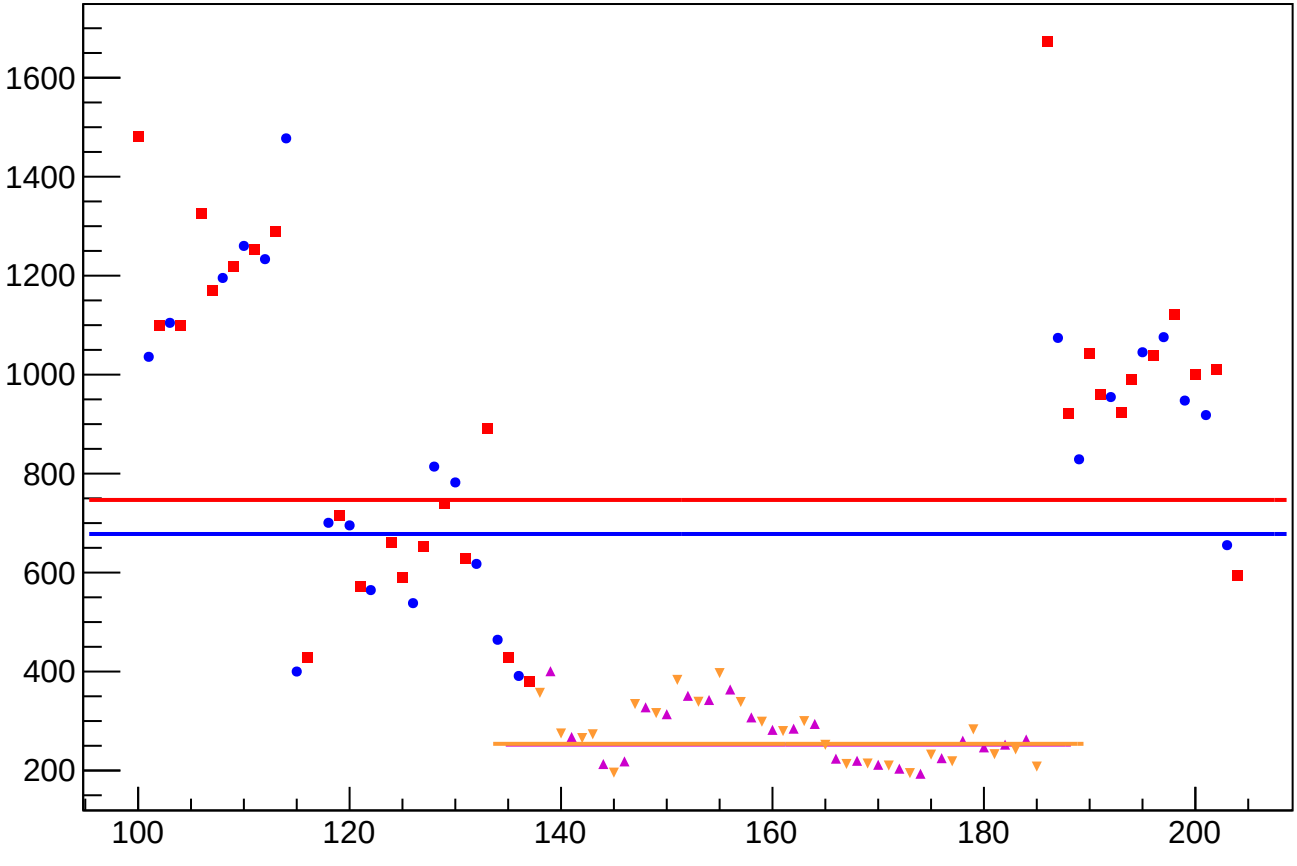
Right: 92.119+/-142.563 χ^2/NDF: 50.3/53

In: 42.228+/-57.787 χ^2/NDF:57.3/46

Out: 228.750+/-56.788 χ^2/NDF:90.9/54

All: 137.115+/-40.504 χ^2/NDF: 153.4/101

asym_sam_1526_avg_rms vs Slug, Sign Corrected



Right In: 677.992+/-0.142 χ^2/NDF: 3244410.4/23

Left Out: 253.953+/-0.042 χ^2/NDF:1590761.5/24

Right Out: 746.777+/-0.144 χ^2/NDF: 3579514.6/29

Left In: 252.390+/-0.043 χ^2/NDF:1412169.8/22

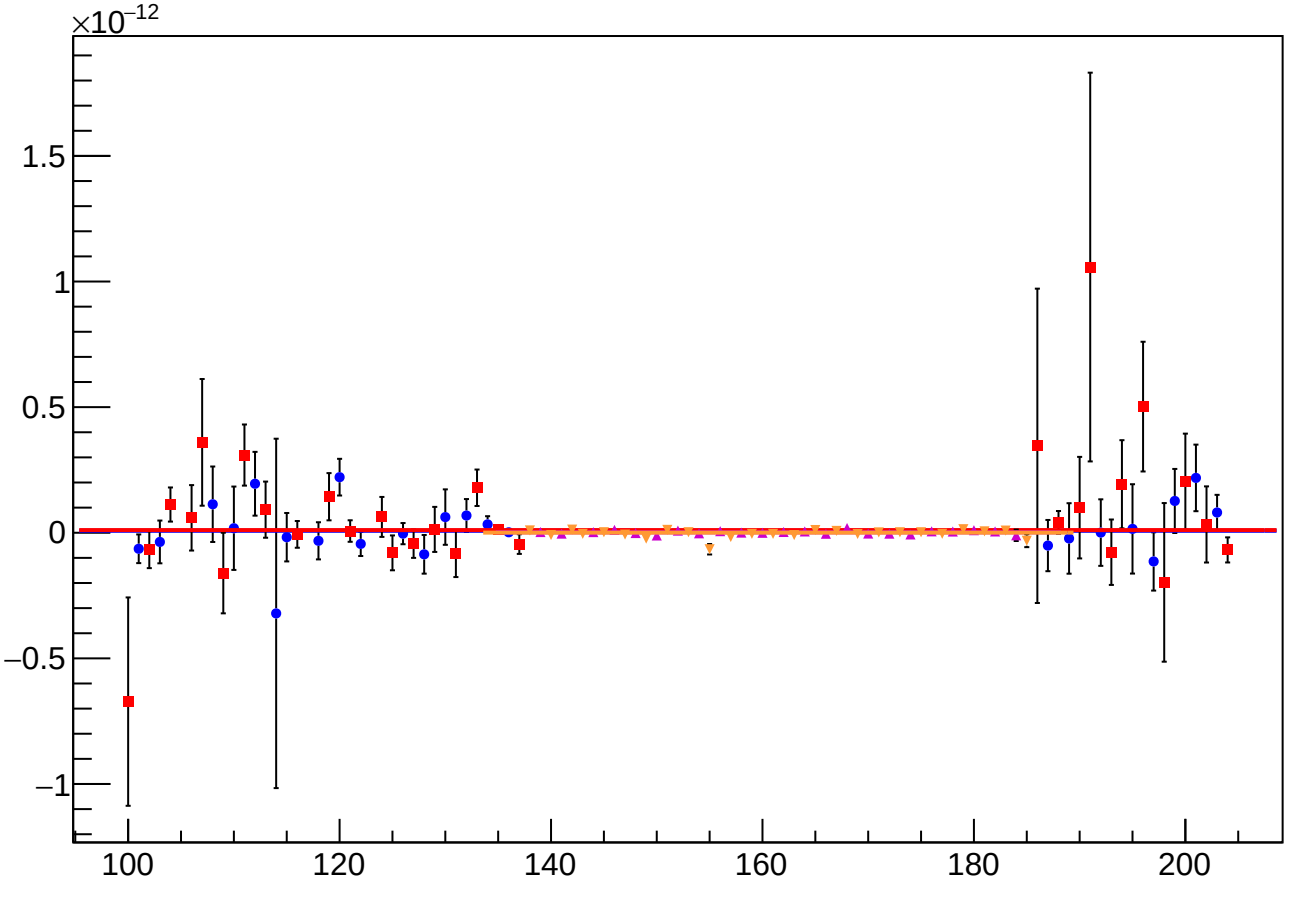
Left: 253.187+/-0.030 χ^2/NDF: 3003615.8/47

Right: 711.898+/-0.101 χ^2/NDF: 6940299.3/53

In: 287.849+/-0.041 χ^2/NDF:12942163.4/46

Out: 292.499+/-0.040 χ^2/NDF:16029720.4/54

All: 290.215+/-0.029 χ^2/NDF: 28978470.1/10



Right In: 0.000+/-0.000 χ^2/NDF: 24.2/23

Left Out: 0.000+/-0.000 χ^2/NDF:26.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 41.4/29

Left In: 0.000+/-0.000 χ^2/NDF:14.0/22

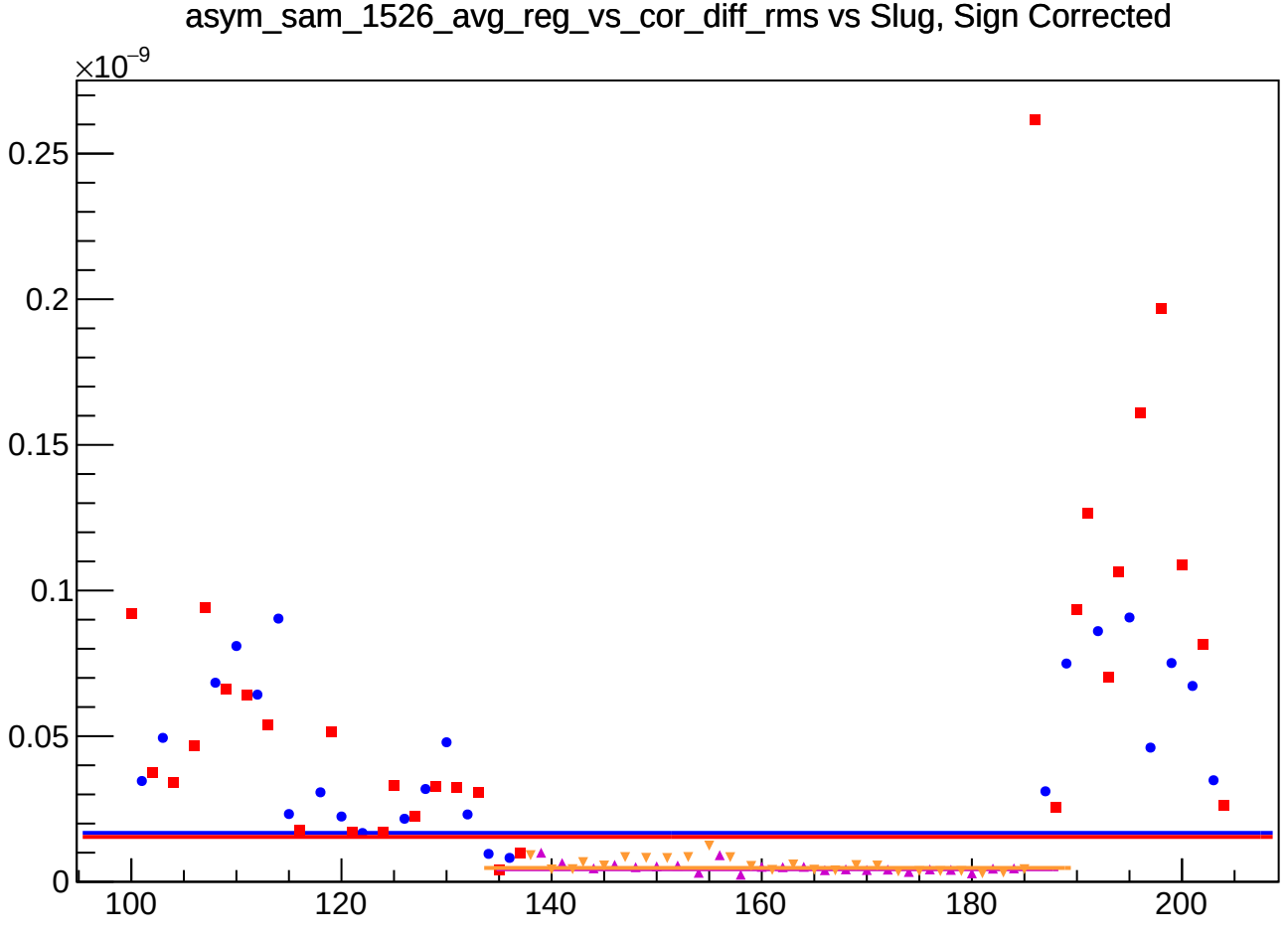
Left: 0.000+/-0.000 χ^2/NDF: 41.0/47

Right: 0.000+/-0.000 χ^2/NDF: 65.6/53

In: 0.000+/-0.000 χ^2/NDF:38.6/46

Out: 0.000+/-0.000 χ^2/NDF:69.3/54

All: 0.000+/-0.000 χ^2/NDF: 108.0/101



Right In: 0.000+/-0.000 χ^2/NDF: 4855342.3/23

Left Out: 0.000+/-0.000 χ^2/NDF:1613401.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7530668.5/29

Left In: 0.000+/-0.000 χ^2/NDF:983290.8/22

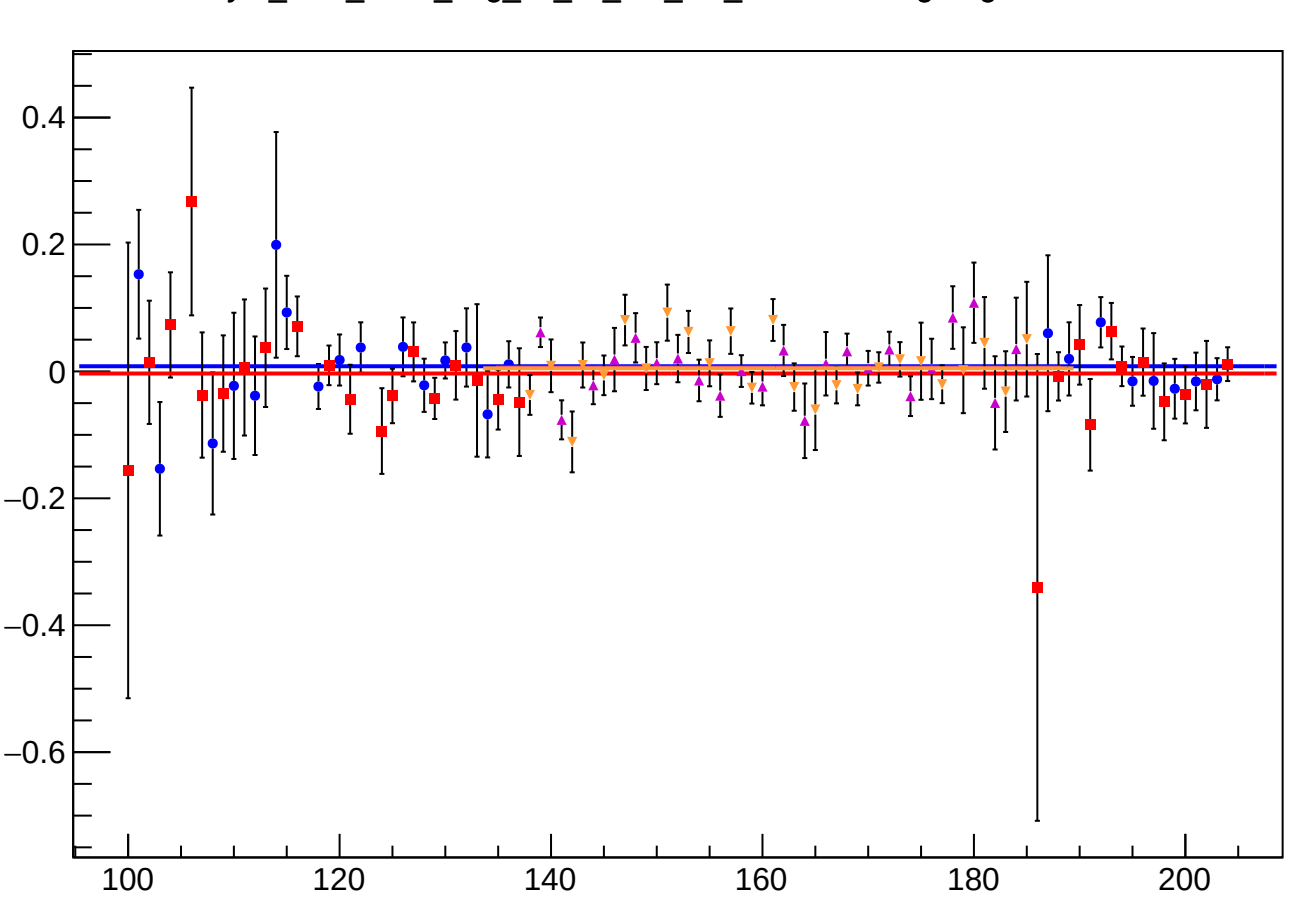
Left: 0.000+/-0.000 χ^2/NDF: 2651852.5/47

Right: 0.000+/-0.000 χ^2/NDF: 12404554.3/53

In: 0.000+/-0.000 χ^2/NDF:8741709.4/46

Out: 0.000+/-0.000 χ^2/NDF:11353040.2/54

All: 0.000+/-0.000 χ^2/NDF: 20144848.3/101



Right In: 0.008+/-0.010 χ^2/NDF: 18.2/23

Left Out: 0.005+/-0.007 χ^2/NDF:34.0/24

Right Out: -0.003+/-0.009 χ^2/NDF: 19.2/29

Left In: 0.006+/-0.007 χ^2/NDF:31.0/22

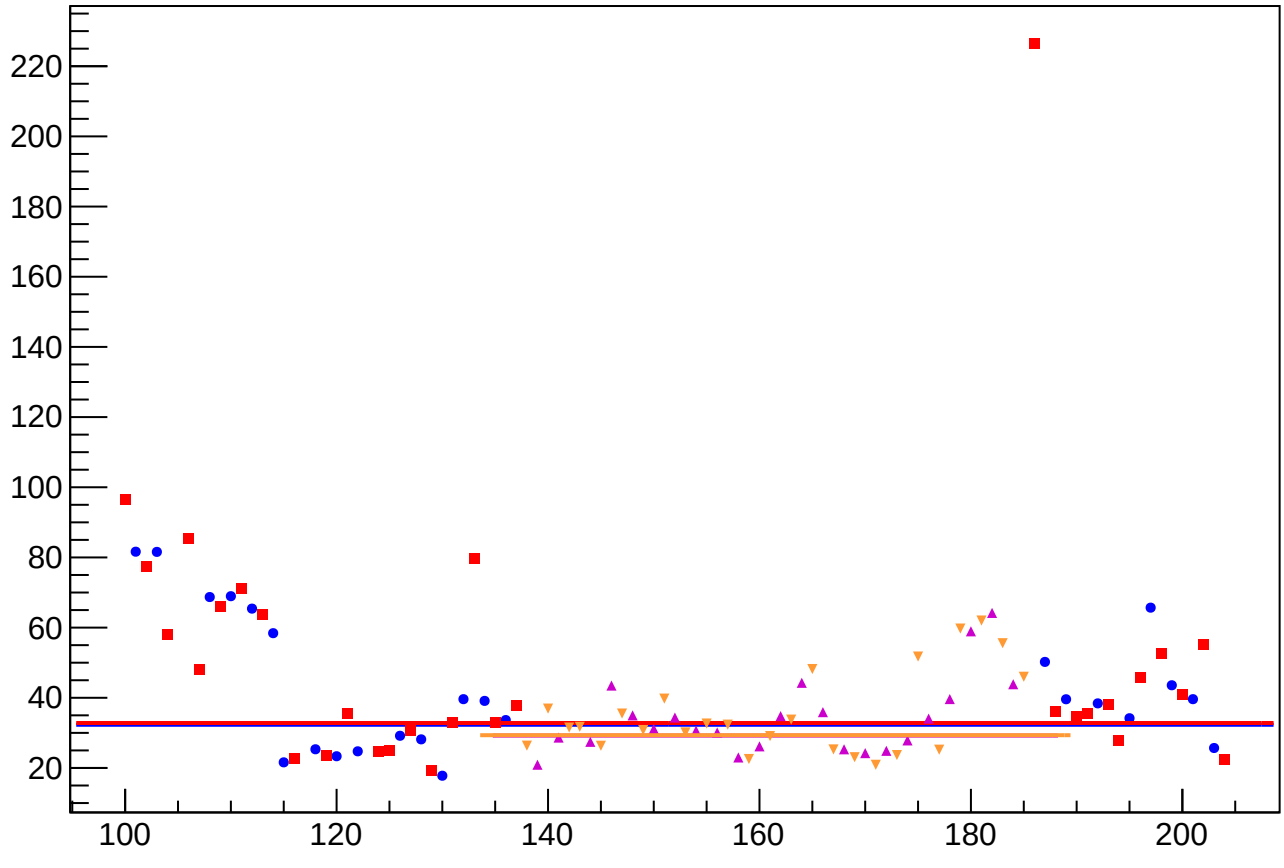
Left: 0.006+/-0.005 χ^2/NDF: 65.0/47

Right: 0.002+/-0.007 χ^2/NDF: 38.0/53

In: 0.007+/-0.006 χ^2/NDF:49.2/46

Out: 0.002+/-0.006 χ^2/NDF:53.6/54

All: 0.004+/-0.004 χ^2/NDF: 103.2/101



Right In: 32.313+/-0.007 χ^2/NDF: 3303212.1/23

Left Out: 29.338+/-0.005 χ^2/NDF:2687159.2/24

Right Out: 32.817+/-0.007 χ^2/NDF: 4245308.6/29

Left In: 29.226+/-0.005 χ^2/NDF:2097657.8/22

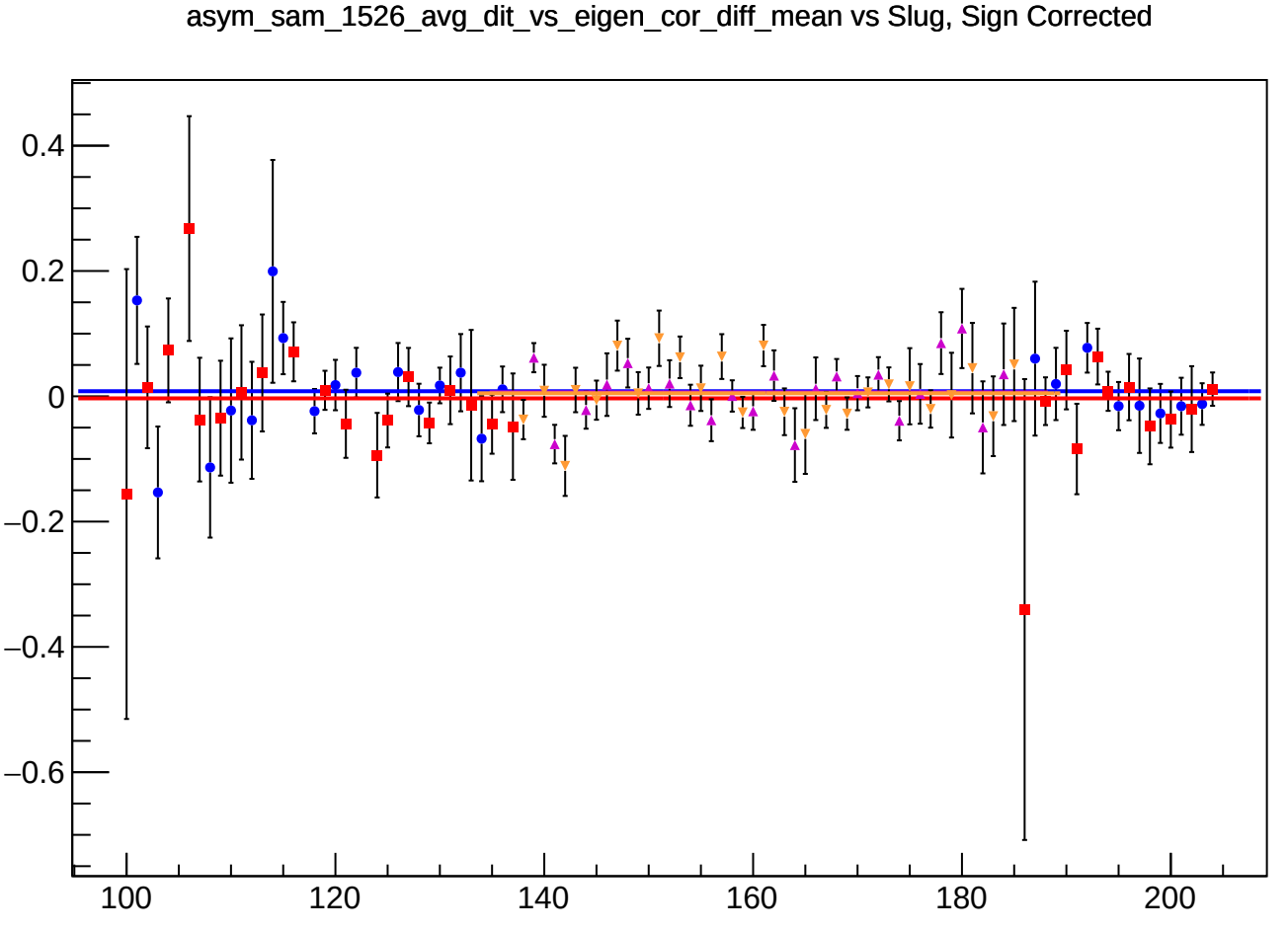
Left: 29.283+/-0.004 χ^2/NDF: 4785056.4/47

Right: 32.578+/-0.005 χ^2/NDF: 7551199.4/53

In: 30.295+/-0.004 χ^2/NDF:5525938.6/46

Out: 30.589+/-0.004 χ^2/NDF:7104982.3/54

All: 30.447+/-0.003 χ^2/NDF: 12633523.8/101



Right In: 0.008+/-0.010 χ^2/NDF: 18.2/23

Left Out: 0.005+/-0.007 χ^2/NDF:34.0/24

Right Out: -0.003+/-0.009 χ^2/NDF: 19.2/29

Left In: 0.006+/-0.007 χ^2/NDF:31.0/22

Left: 0.006+/-0.005 χ^2/NDF: 65.0/47

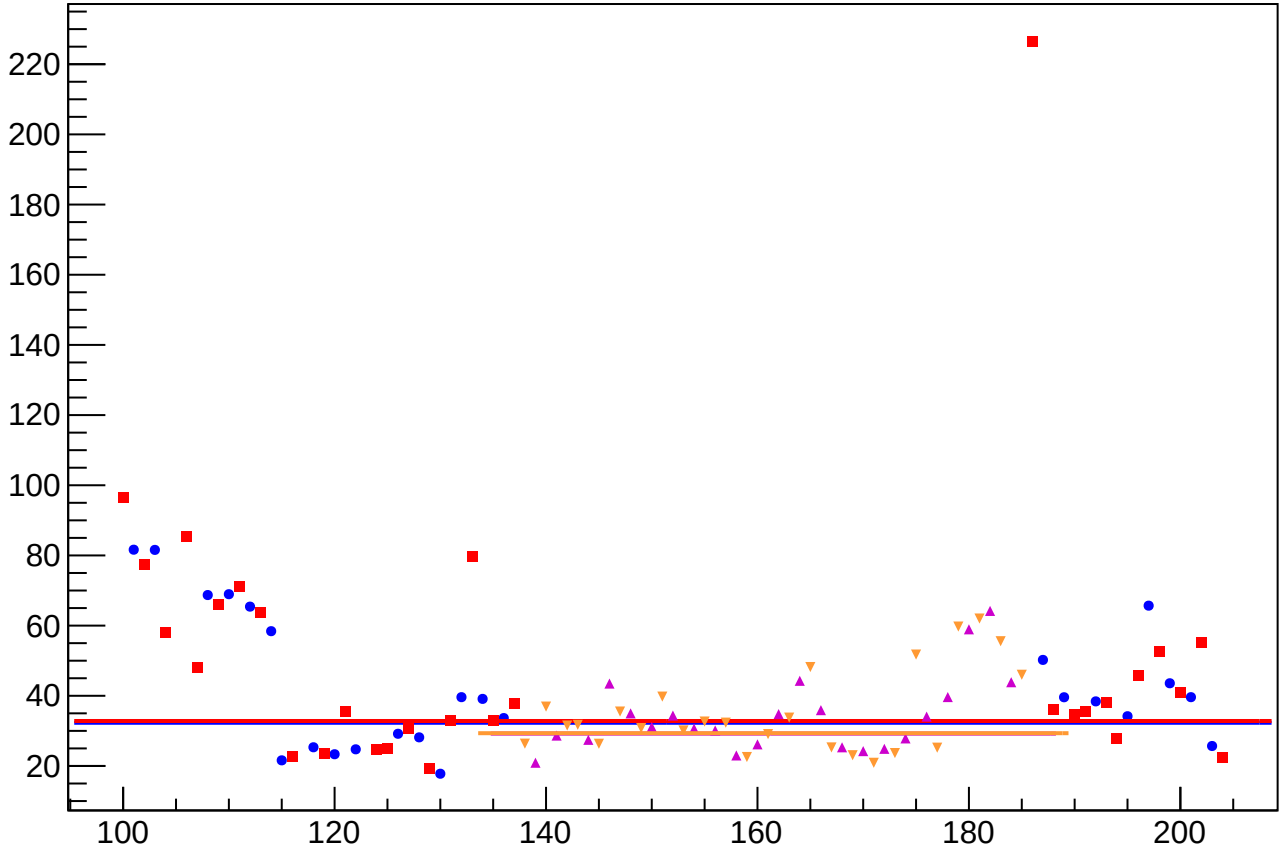
Right: 0.002+/-0.007 χ^2/NDF: 38.0/53

In: 0.007+/-0.006 χ^2/NDF:49.2/46

Out: 0.002+/-0.006 χ^2/NDF:53.6/54

All: 0.004+/-0.004 χ^2/NDF: 103.2/101

asym_sam_1526_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 32.313+/-0.007 χ^2/NDF: 3303212.1/23

Left Out: 29.338+/-0.005 χ^2/NDF:2687159.2/24

Right Out: 32.817+/-0.007 χ^2/NDF: 4245308.6/29

Left In: 29.226+/-0.005 χ^2/NDF:2097657.8/22

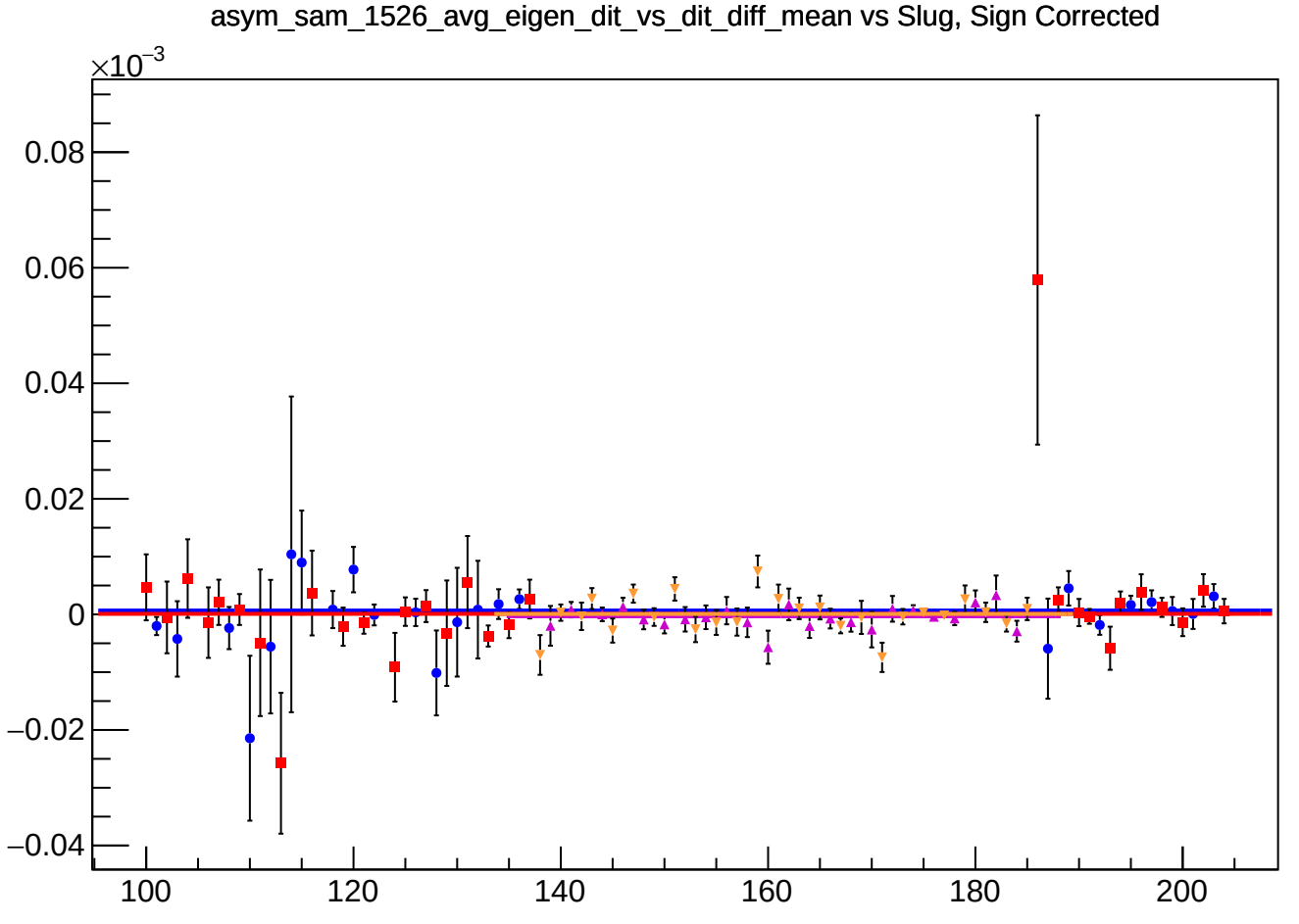
Left: 29.283+/-0.004 χ^2/NDF: 4785056.4/47

Right: 32.578+/-0.005 χ^2/NDF: 7551199.4/53

In: 30.295+/-0.004 χ^2/NDF:5525938.6/46

Out: 30.589+/-0.004 χ^2/NDF:7104982.3/54

All: 30.447+/-0.003 χ^2/NDF: 12633523.8/101



Right In: 0.000+/-0.000 χ^2/NDF: 21.7/23

Left Out: 0.000+/-0.000 χ^2/NDF:43.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 30.5/29

Left In: -0.000+/-0.000 χ^2/NDF:15.5/22

Left: -0.000+/-0.000 χ^2/NDF: 60.1/47

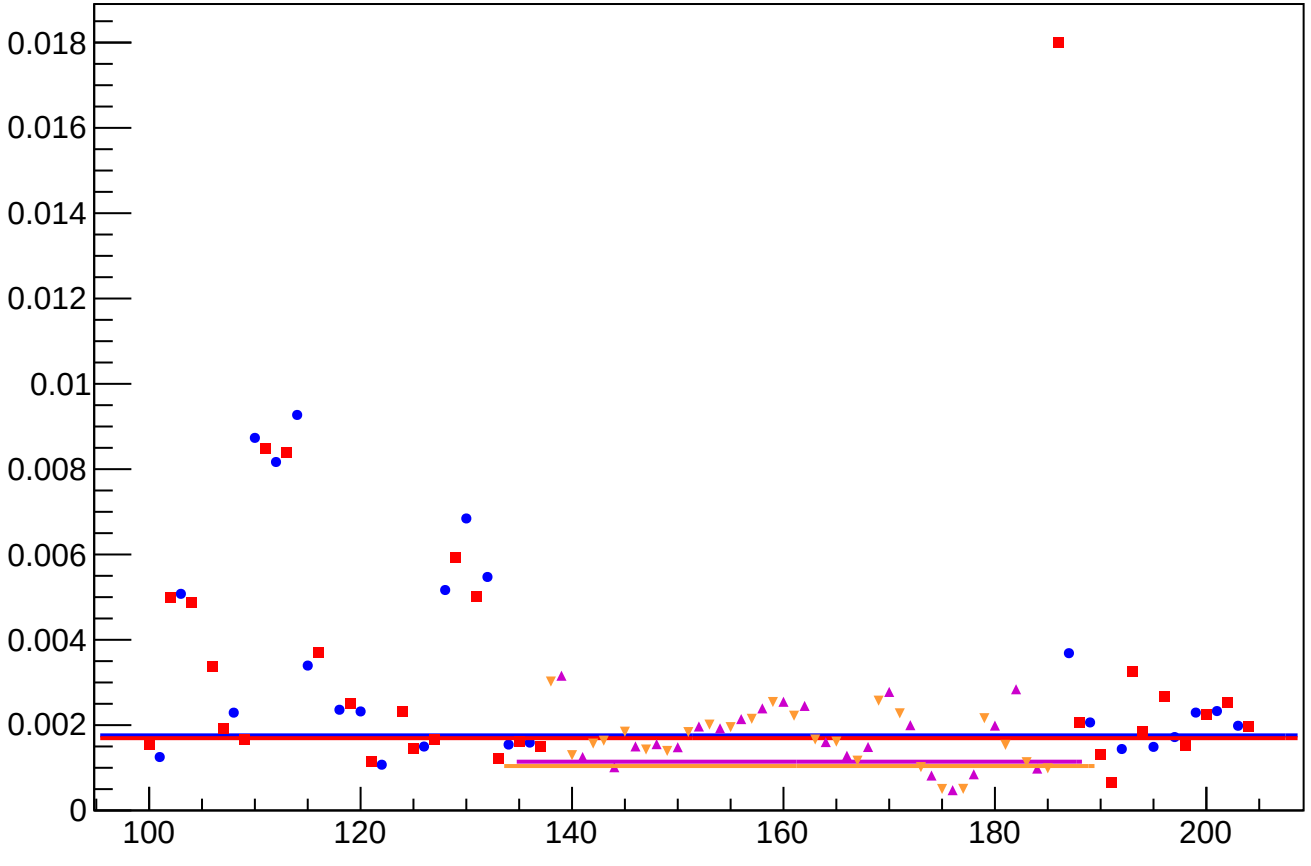
Right: 0.000+/-0.000 χ^2/NDF: 52.8/53

In: -0.000+/-0.000 χ^2/NDF:39.7/46

Out: 0.000+/-0.000 χ^2/NDF:74.2/54

All: 0.000+/-0.000 χ^2/NDF: 114.0/101

asym_sam_1526_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 4399911.5/23

Left Out: 0.001+/-0.000 χ^2/NDF:9825407.0/24

Right Out: 0.002+/-0.000 χ^2/NDF: 6769413.3/29

Left In: 0.001+/-0.000 χ^2/NDF:8291862.8/22

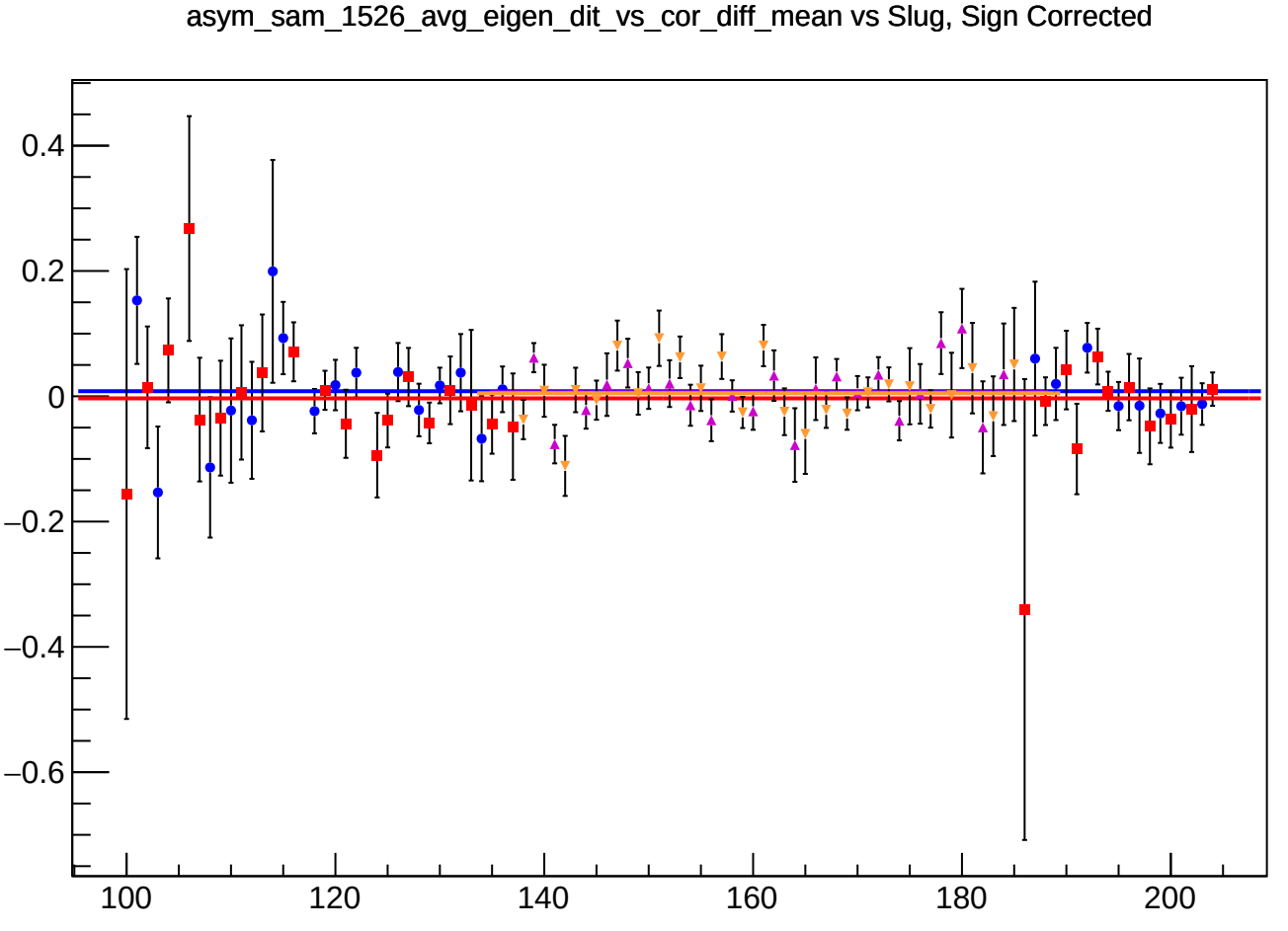
Left: 0.001+/-0.000 χ^2/NDF: 18236927.4/47

Right: 0.002+/-0.000 χ^2/NDF: 11185156.2/53

In: 0.001+/-0.000 χ^2/NDF:14625162.8/46

Out: 0.001+/-0.000 χ^2/NDF:19196248.3/54

All: 0.001+/-0.000 χ^2/NDF: 33968105.1/101



Right In: 0.008+/-0.010 χ^2/NDF: 18.2/23

Left Out: 0.005+/-0.007 χ^2/NDF:34.0/24

Right Out: -0.003+/-0.009 χ^2/NDF: 19.2/29

Left In: 0.006+/-0.007 χ^2/NDF:31.0/22

Left: 0.006+/-0.005 χ^2/NDF: 65.0/47

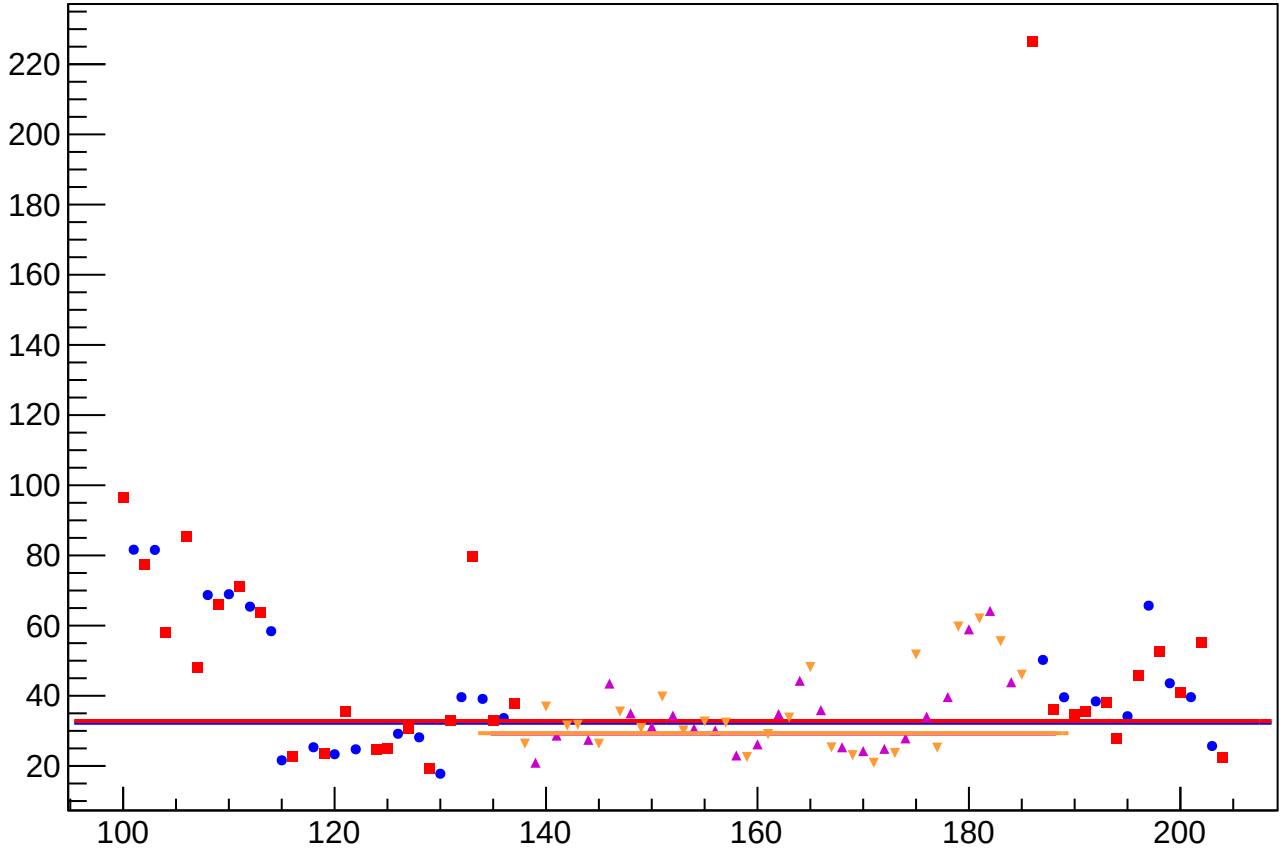
Right: 0.002+/-0.007 χ^2/NDF: 38.0/53

In: 0.007+/-0.006 χ^2/NDF:49.1/46

Out: 0.002+/-0.006 χ^2/NDF:53.6/54

All: 0.004+/-0.004 χ^2/NDF: 103.2/101

asym_sam_1526_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 32.312+/-0.007 χ^2/NDF: 3303503.5/23

Left Out: 29.338+/-0.005 χ^2/NDF:2687200.3/24

Right Out: 32.816+/-0.007 χ^2/NDF: 4245514.0/29

Left In: 29.227+/-0.005 χ^2/NDF:2097621.4/22

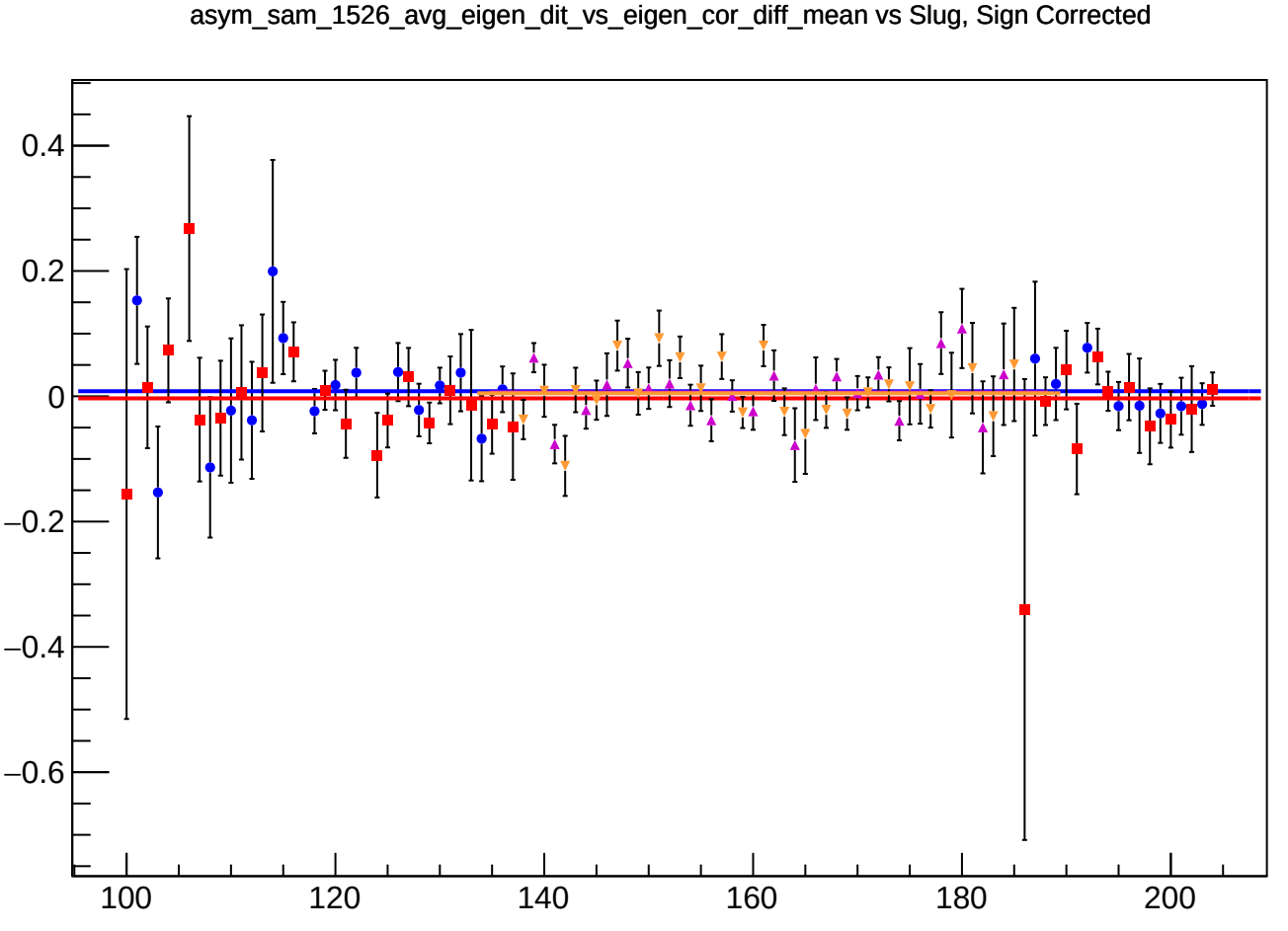
Left: 29.283+/-0.004 χ^2/NDF: 4785060.1/47

Right: 32.577+/-0.005 χ^2/NDF: 7551699.1/53

In: 30.294+/-0.004 χ^2/NDF:5526091.6/46

Out: 30.589+/-0.004 χ^2/NDF:7105150.3/54

All: 30.447+/-0.003 χ^2/NDF: 12633843.3/101



Right In: 0.008+/-0.010 χ^2/NDF: 18.2/23

Left Out: 0.005+/-0.007 χ^2/NDF:34.0/24

Right Out: -0.003+/-0.009 χ^2/NDF: 19.2/29

Left In: 0.006+/-0.007 χ^2/NDF:31.0/22

Left: 0.006+/-0.005 χ^2/NDF: 65.0/47

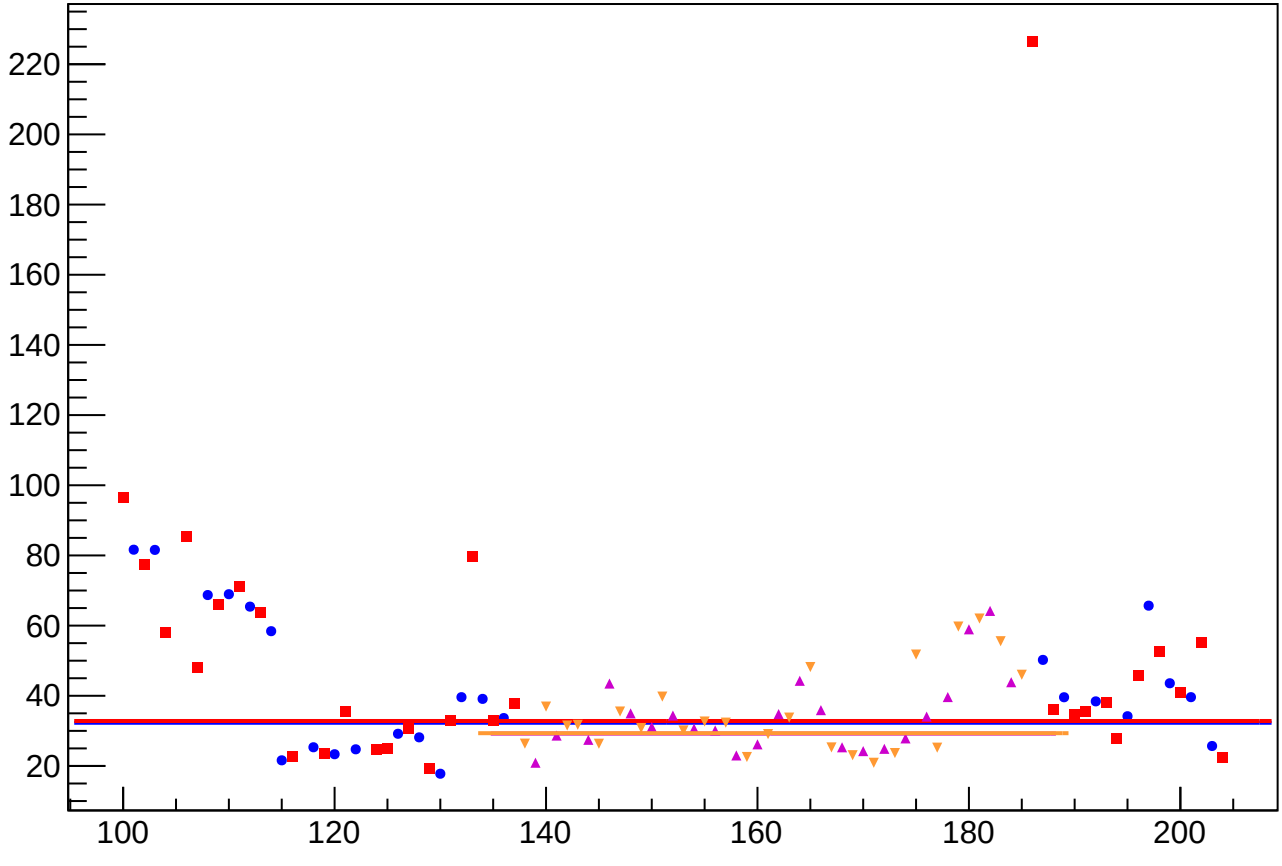
Right: 0.002+/-0.007 χ^2/NDF: 38.0/53

In: 0.007+/-0.006 χ^2/NDF:49.1/46

Out: 0.002+/-0.006 χ^2/NDF:53.6/54

All: 0.004+/-0.004 χ^2/NDF: 103.2/101

asym_sam_1526_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 32.312+/-0.007 χ^2/NDF: 3303503.5/23

Left Out: 29.338+/-0.005 χ^2/NDF:2687200.3/24

Right Out: 32.816+/-0.007 χ^2/NDF: 4245514.0/29

Left In: 29.227+/-0.005 χ^2/NDF:2097621.4/22

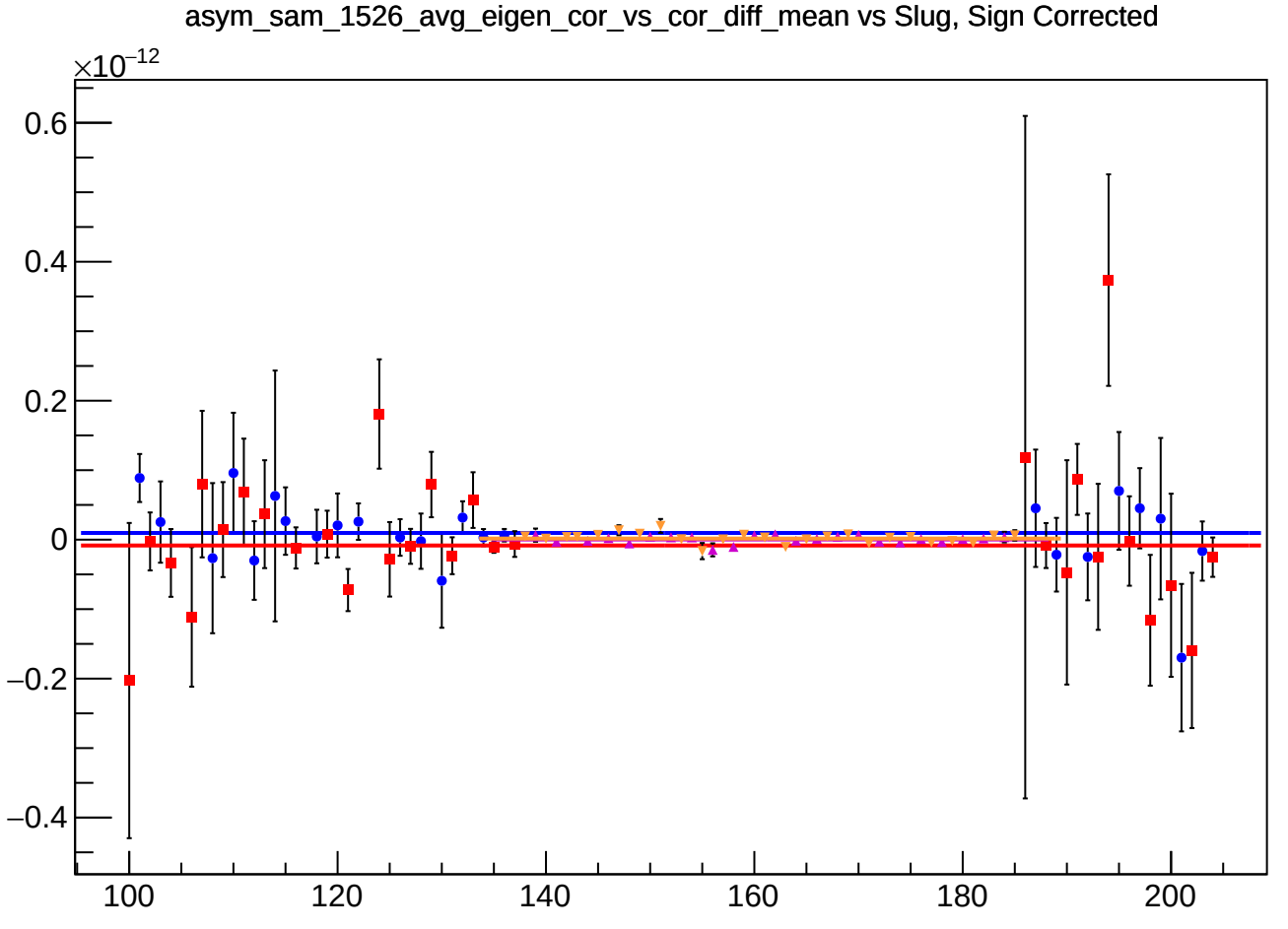
Left: 29.283+/-0.004 χ^2/NDF: 4785060.1/47

Right: 32.577+/-0.005 χ^2/NDF: 7551699.1/53

In: 30.294+/-0.004 χ^2/NDF:5526091.6/46

Out: 30.589+/-0.004 χ^2/NDF:7105150.3/54

All: 30.447+/-0.003 χ^2/NDF: 12633843.3/101



Right In: 0.000+/-0.000 χ^2/NDF: 15.1/23

Left Out: 0.000+/-0.000 χ^2/NDF:35.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 35.0/29

Left In: 0.000+/-0.000 χ^2/NDF:18.6/22

Left: 0.000+/-0.000 χ^2/NDF: 54.6/47

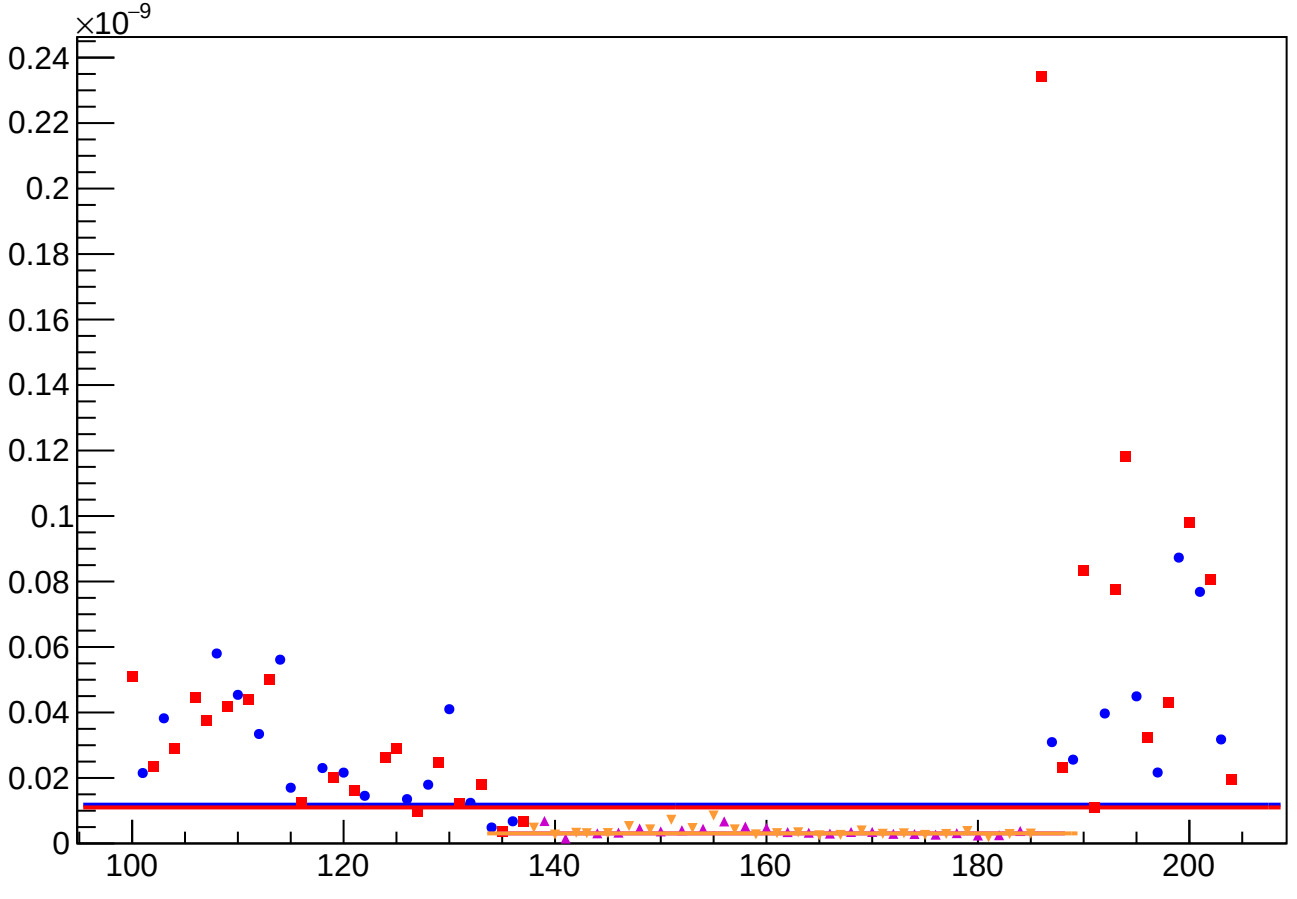
Right: 0.000+/-0.000 χ^2/NDF: 55.1/53

In: 0.000+/-0.000 χ^2/NDF:36.2/46

Out: 0.000+/-0.000 χ^2/NDF:73.1/54

All: 0.000+/-0.000 χ^2/NDF: 109.7/101

asym_sam_1526_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 6682915.6/23

Left Out: 0.000+/-0.000 χ^2/NDF:2024861.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9901809.4/29

Left In: 0.000+/-0.000 χ^2/NDF:2149738.1/22

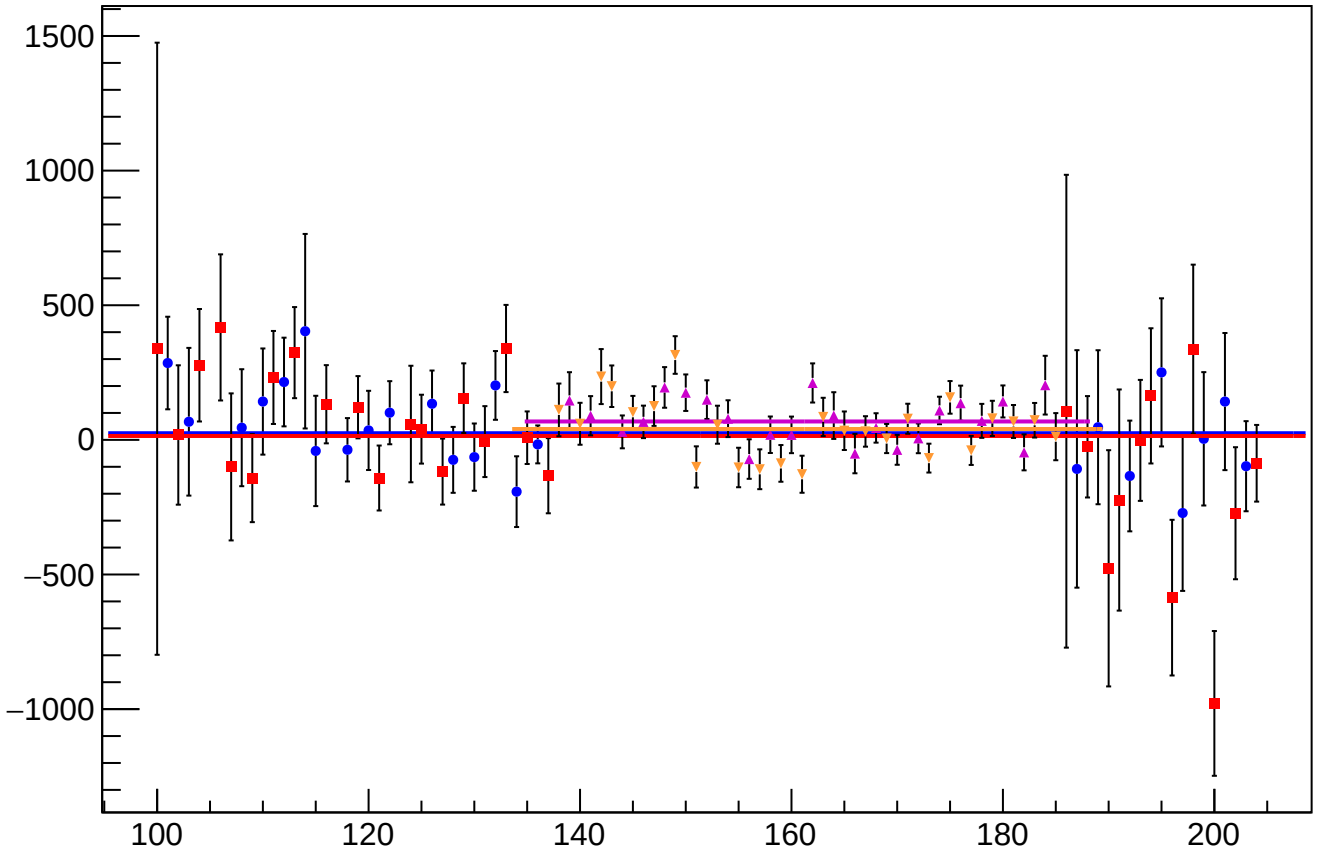
Left: 0.000+/-0.000 χ^2/NDF: 4174620.9/47

Right: 0.000+/-0.000 χ^2/NDF: 16606437.1/53

In: 0.000+/-0.000 χ^2/NDF:13275482.4/46

Out: 0.000+/-0.000 χ^2/NDF:15810633.9/54

All: 0.000+/-0.000 χ^2/NDF: 29086781.9/101



Right In: 24.684+/-31.547 χ^2/NDF: 16.1/23

Left Out: 40.342+/-13.402 χ^2/NDF:59.4/24

Right Out: 14.456+/-31.599 χ^2/NDF: 43.6/29

Left In: 68.344+/-13.866 χ^2/NDF:31.8/22

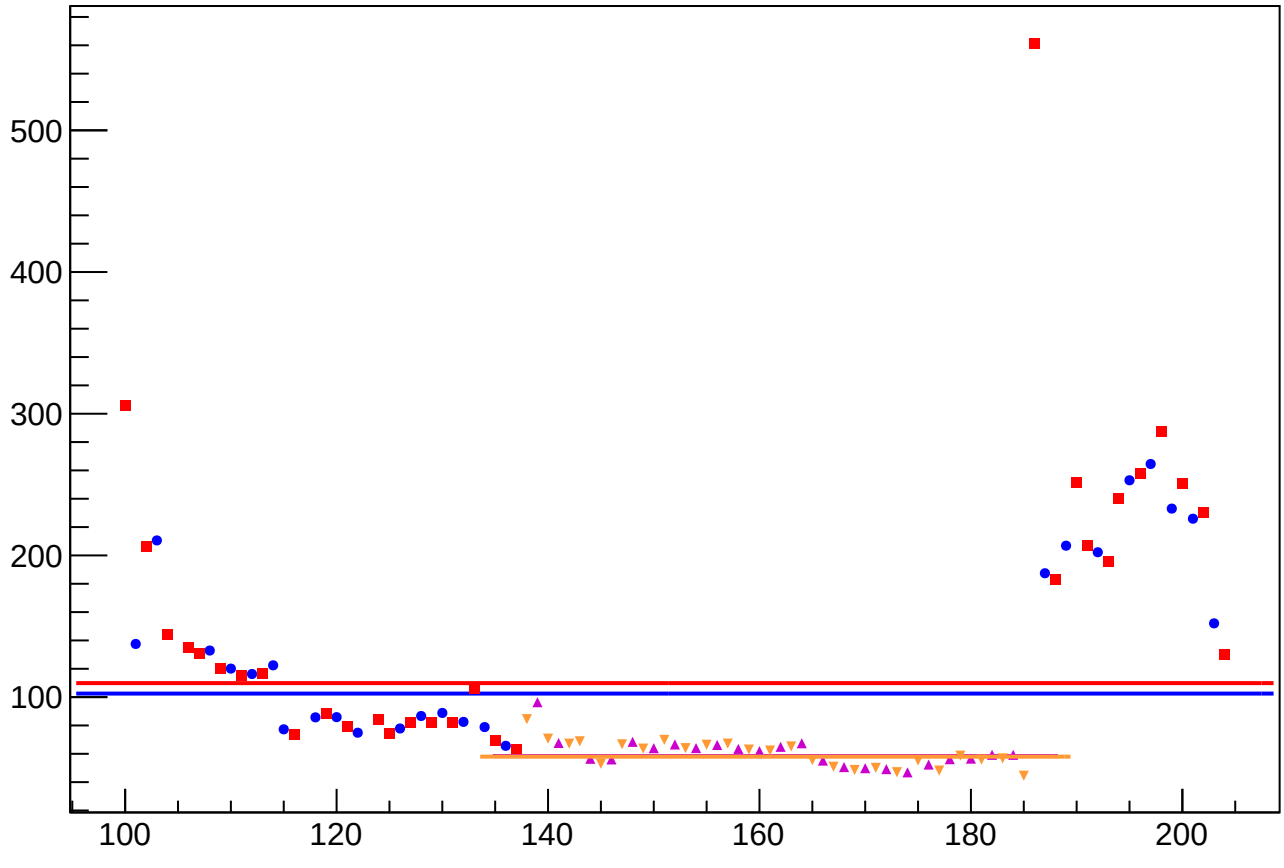
Left: 53.866+/-9.637 χ^2/NDF: 93.3/47

Right: 19.578+/-22.325 χ^2/NDF: 59.7/53

In: 61.275+/-12.694 χ^2/NDF:49.4/46

Out: 36.395+/-12.338 χ^2/NDF:103.6/54

All: 48.481+/-8.848 χ^2/NDF: 154.9/101



Right In: 102.505+/-0.022 χ^2/NDF: 4713913.5/23

Left Out: 57.996+/-0.009 χ^2/NDF:807648.8/24

Right Out: 109.883+/-0.022 χ^2/NDF: 6004735.5/29

Left In: 58.397+/-0.010 χ^2/NDF:735208.2/22

Left: 58.189+/-0.007 χ^2/NDF: 1543722.5/47

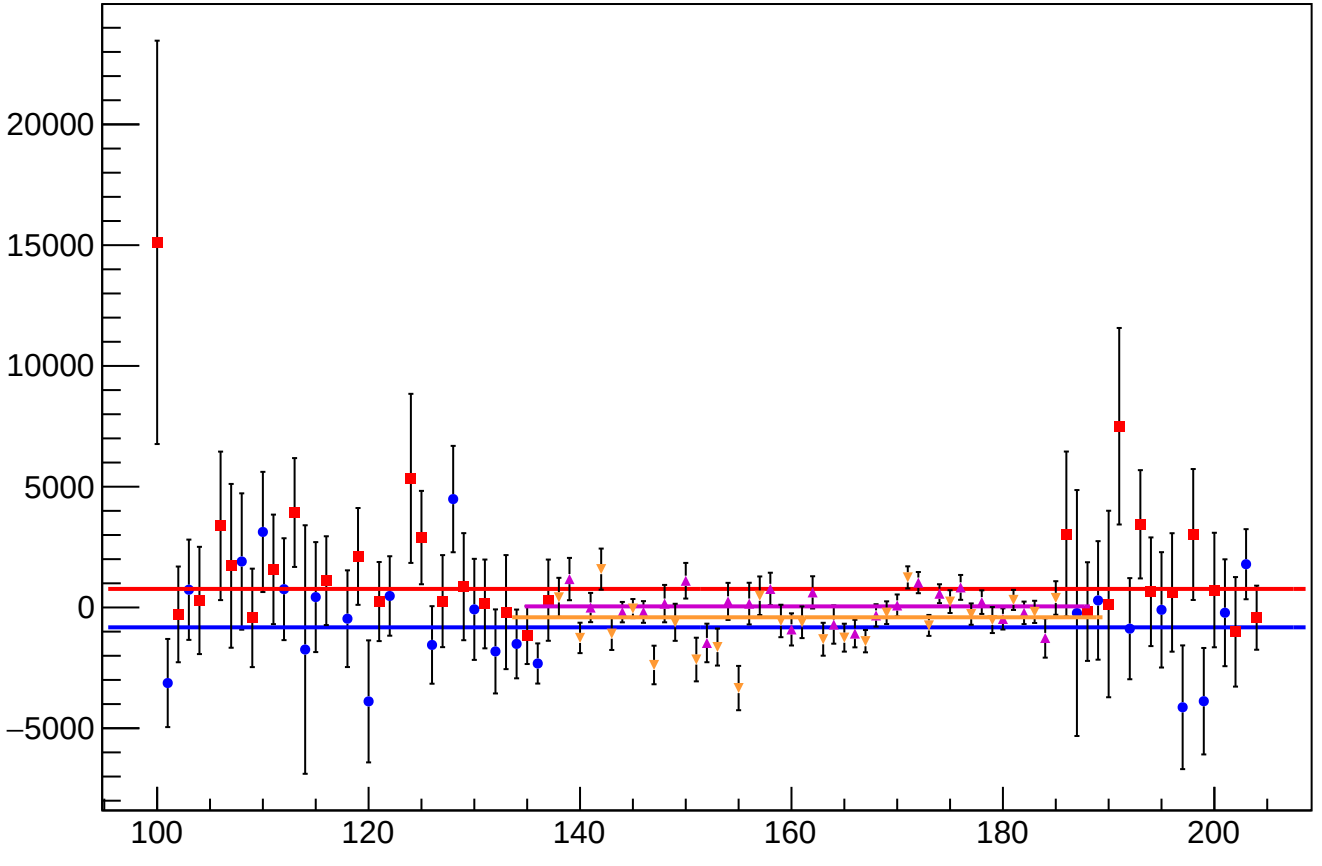
Right: 106.188+/-0.016 χ^2/NDF: 10773252.9/53

In: 65.538+/-0.009 χ^2/NDF:8725872.4/46

Out: 65.906+/-0.009 χ^2/NDF:11383107.8/54

All: 65.728+/-0.006 χ^2/NDF: 20109844.4/101

asym_sam_3726_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -822.397+/-383.764 χ^2/NDF: 25.8/23

Left Out: -406.322+/-113.468 χ^2/NDF:63.2/24

Right Out: 768.061+/-387.473 χ^2/NDF: 20.0/29

Left In: 44.831+/-115.765 χ^2/NDF:31.1/22

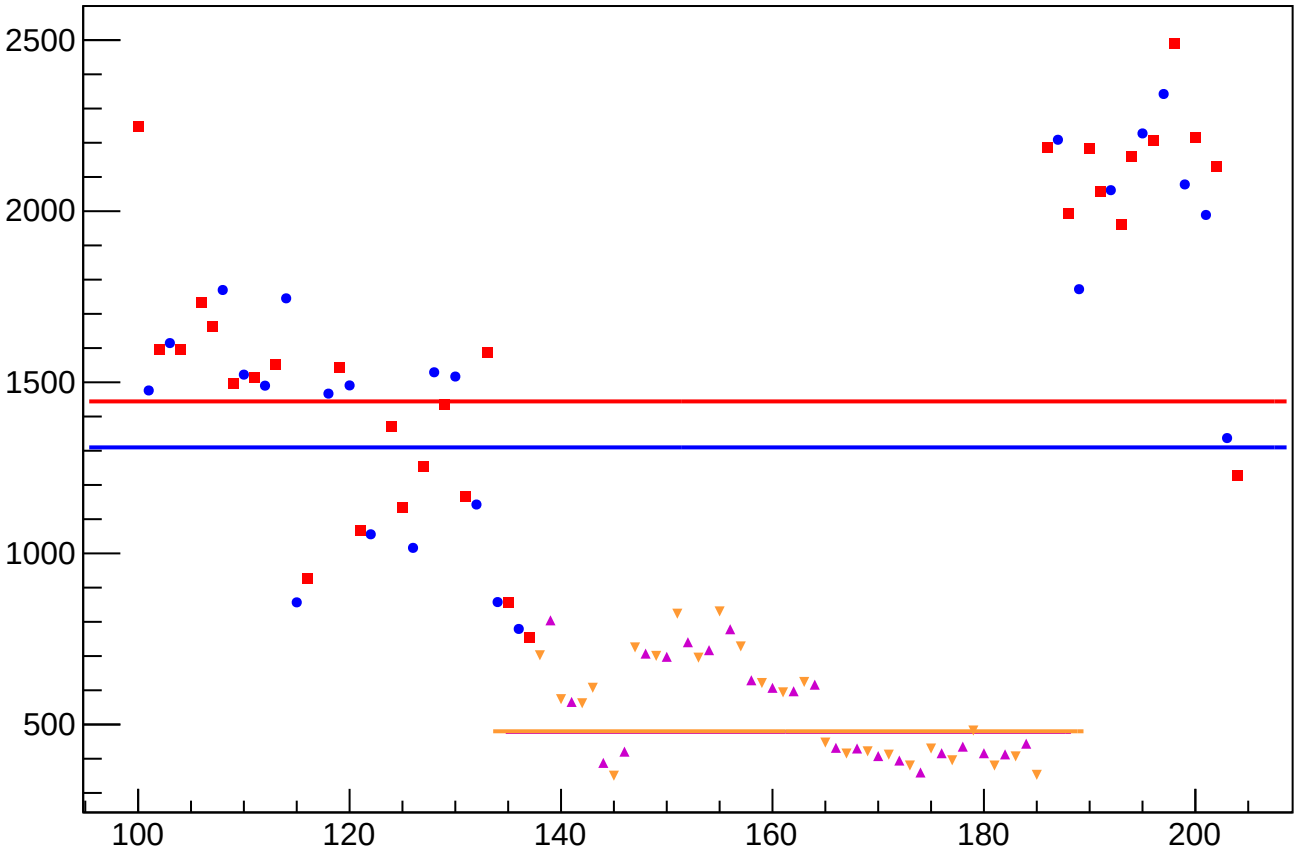
Left: -185.266+/-81.034 χ^2/NDF: 102.0/47

Right: -34.818+/-272.664 χ^2/NDF: 54.3/53

In: -27.502+/-110.832 χ^2/NDF:61.5/46

Out: -313.567+/-108.894 χ^2/NDF:91.6/54

All: -173.057+/-77.676 χ^2/NDF: 156.6/101



Right In: 1309.806+/-0.271 χ^2/NDF: 2890798.4/23

Left Out: 480.162+/-0.080 χ^2/NDF:2582213.9/24

Right Out: 1444.163+/-0.274 χ^2/NDF: 2889845.1/29

Left In: 478.084+/-0.082 χ^2/NDF:2215520.4/22

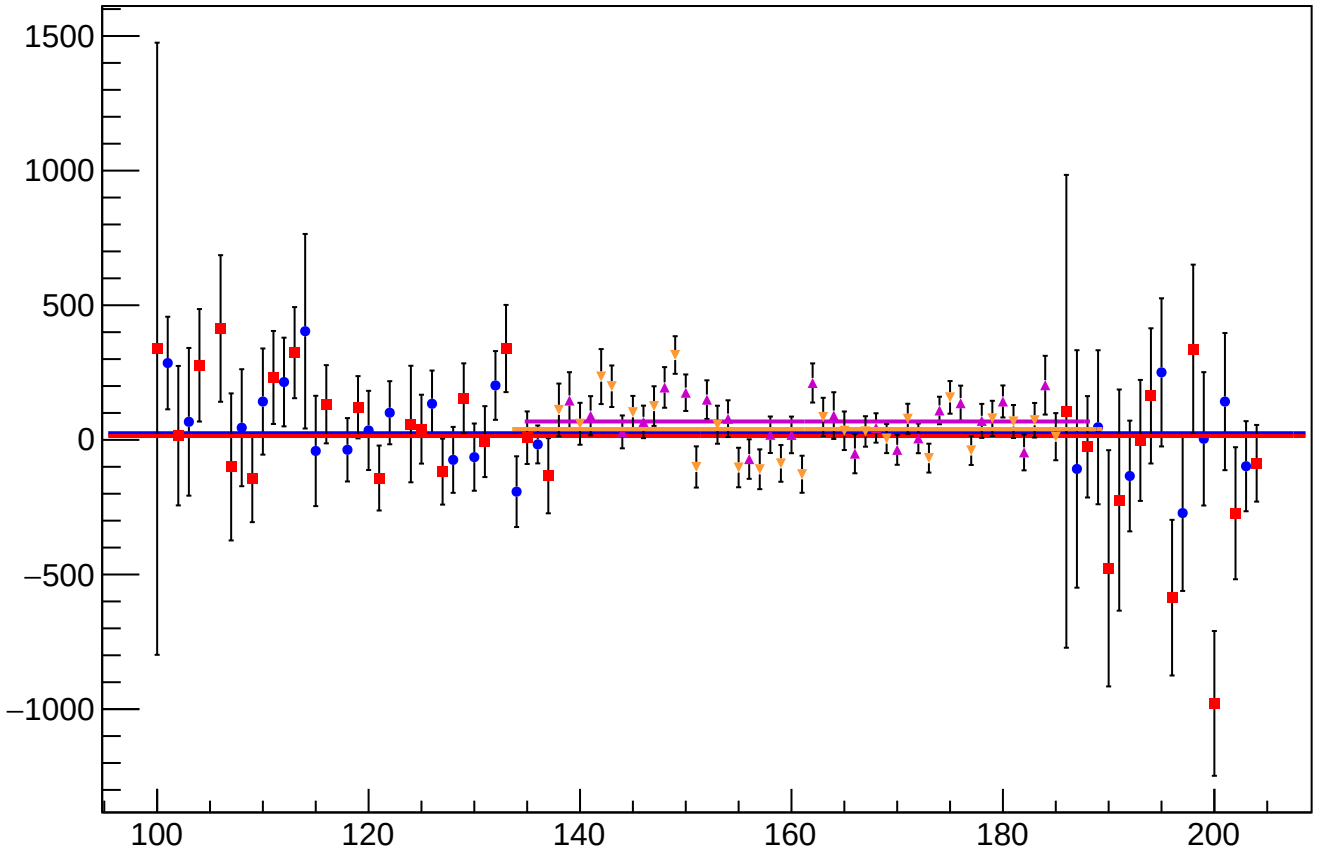
Left: 479.144+/-0.057 χ^2/NDF: 4798063.1/47

Right: 1376.338+/-0.193 χ^2/NDF: 5902036.2/53

In: 547.455+/-0.078 χ^2/NDF:13716970.0/46

Out: 556.301+/-0.077 χ^2/NDF:16873769.4/54

All: 551.956+/-0.055 χ^2/NDF: 30597221.3/10



Right In: 24.675+/-31.547 χ^2/NDF: 16.1/23

Left Out: 40.344+/-13.402 χ^2/NDF:59.4/24

Right Out: 14.331+/-31.600 χ^2/NDF: 43.5/29

Left In: 68.343+/-13.866 χ^2/NDF:31.7/22

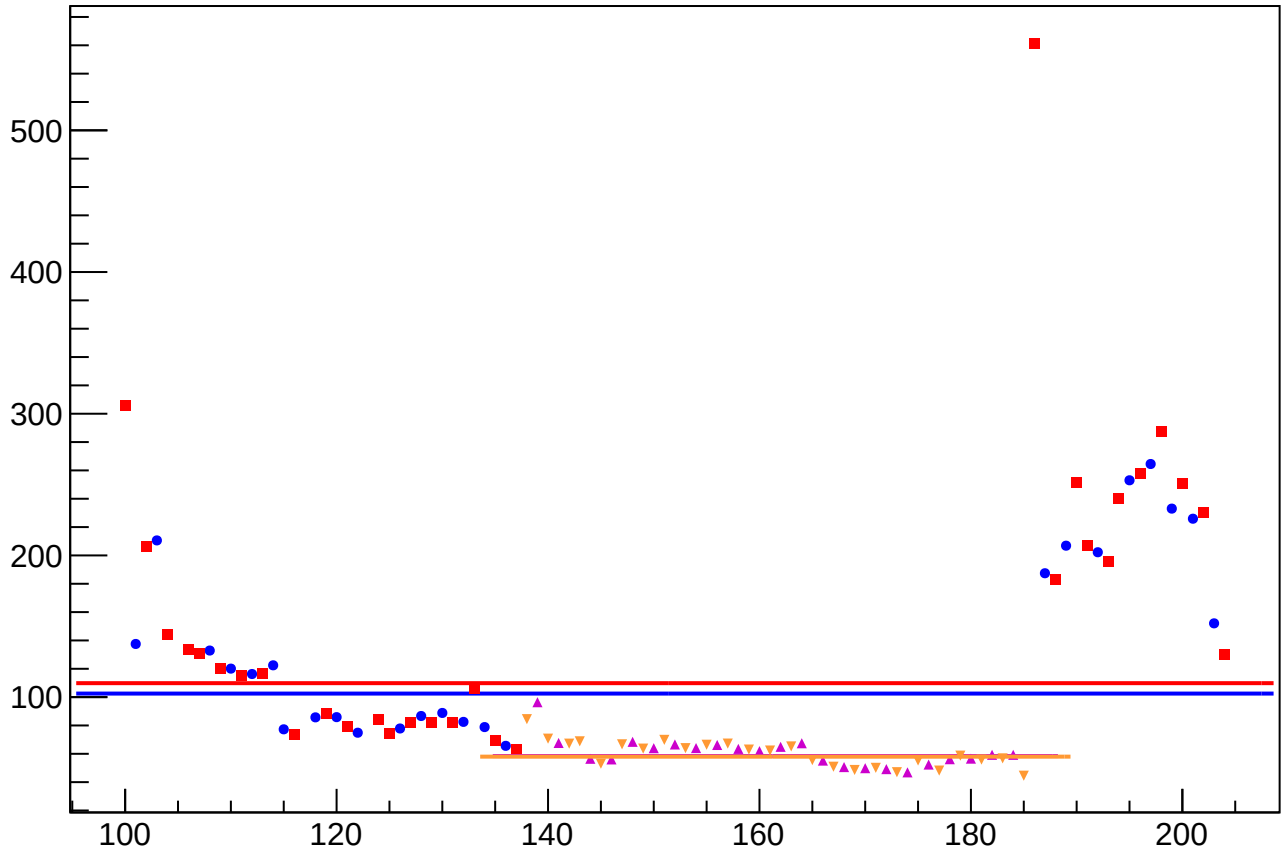
Left: 53.867+/-9.637 χ^2/NDF: 93.3/47

Right: 19.512+/-22.326 χ^2/NDF: 59.6/53

In: 61.273+/-12.694 χ^2/NDF:49.4/46

Out: 36.378+/-12.338 χ^2/NDF:103.5/54

All: 48.472+/-8.848 χ^2/NDF: 154.9/101



Right In: 102.505+/-0.022 χ^2/NDF: 4713916.6/23

Left Out: 57.996+/-0.009 χ^2/NDF:807648.7/24

Right Out: 109.855+/-0.022 χ^2/NDF: 6002372.8/29

Left In: 58.397+/-0.010 χ^2/NDF:735208.2/22

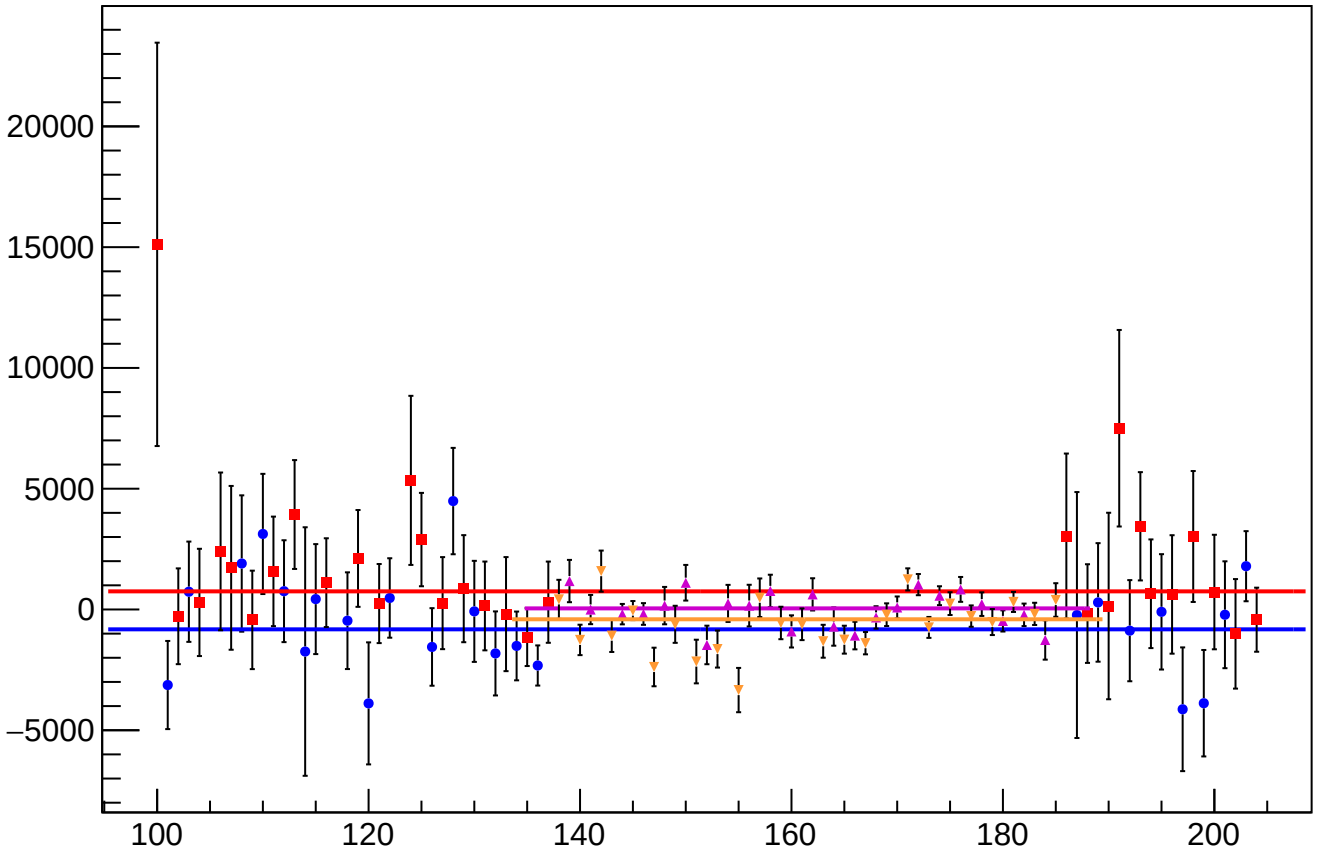
Left: 58.189+/-0.007 χ^2/NDF: 1543722.4/47

Right: 106.174+/-0.016 χ^2/NDF: 10770469.6/53

In: 65.538+/-0.009 χ^2/NDF:8725874.8/46

Out: 65.901+/-0.009 χ^2/NDF:11375336.8/54

All: 65.725+/-0.006 χ^2/NDF: 20102052.3/101



Right In: -822.371+/-383.764 χ^2/NDF: 25.8/23

Left Out: -406.320+/-113.468 χ^2/NDF:63.2/24

Right Out: 749.882+/-387.835 χ^2/NDF: 19.5/29

Left In: 44.830+/-115.765 χ^2/NDF:31.1/22

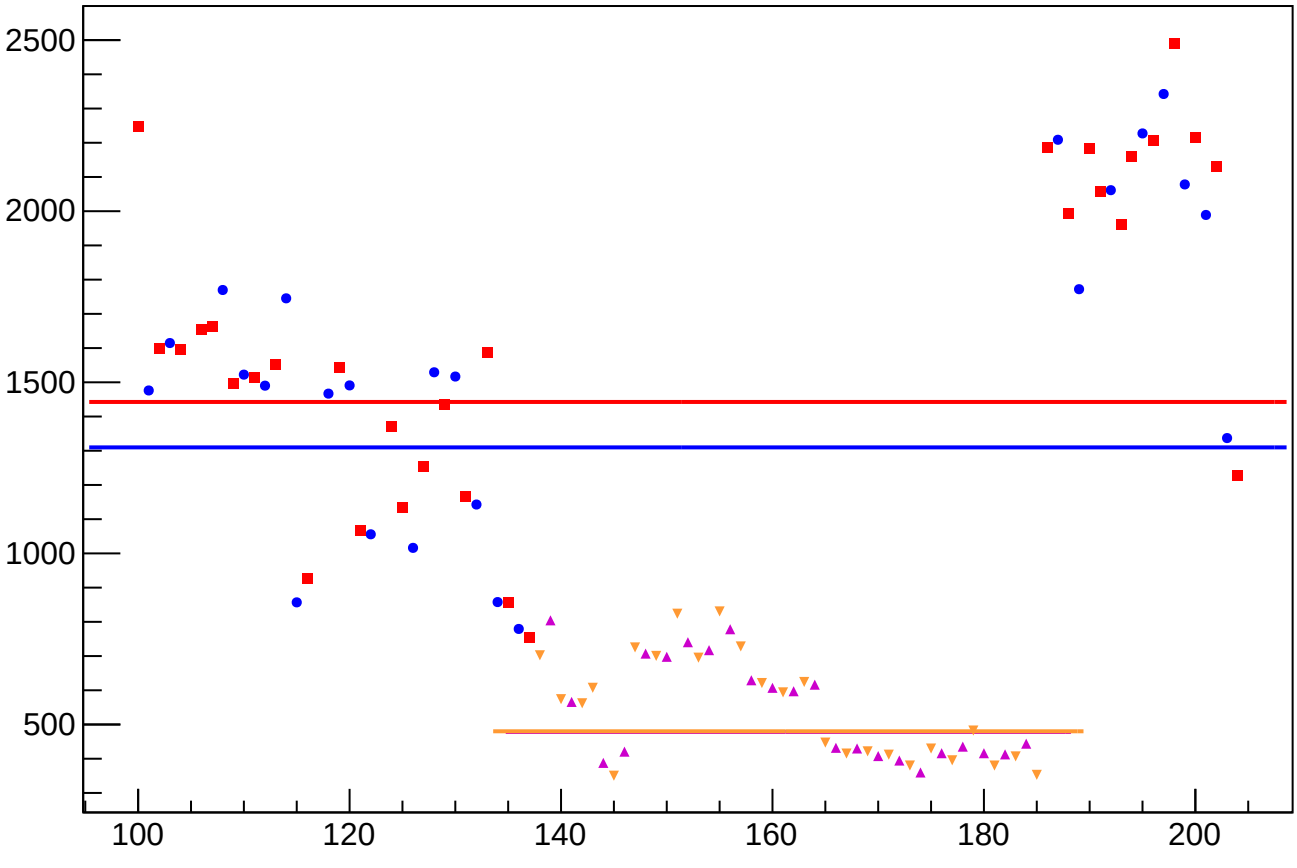
Left: -185.266+/-81.034 χ^2/NDF: 102.0/47

Right: -44.539+/-272.790 χ^2/NDF: 53.6/53

In: -27.500+/-110.832 χ^2/NDF:61.5/46

Out: -315.158+/-108.902 χ^2/NDF:90.9/54

All: -173.855+/-77.679 χ^2/NDF: 155.9/101



Right In: 1309.808+/-0.271 χ^2/NDF: 2890828.8/23

Left Out: 480.162+/-0.080 χ^2/NDF:2582209.1/24

Right Out: 1442.574+/-0.274 χ^2/NDF: 2880632.2/29

Left In: 478.084+/-0.082 χ^2/NDF:2215518.9/22

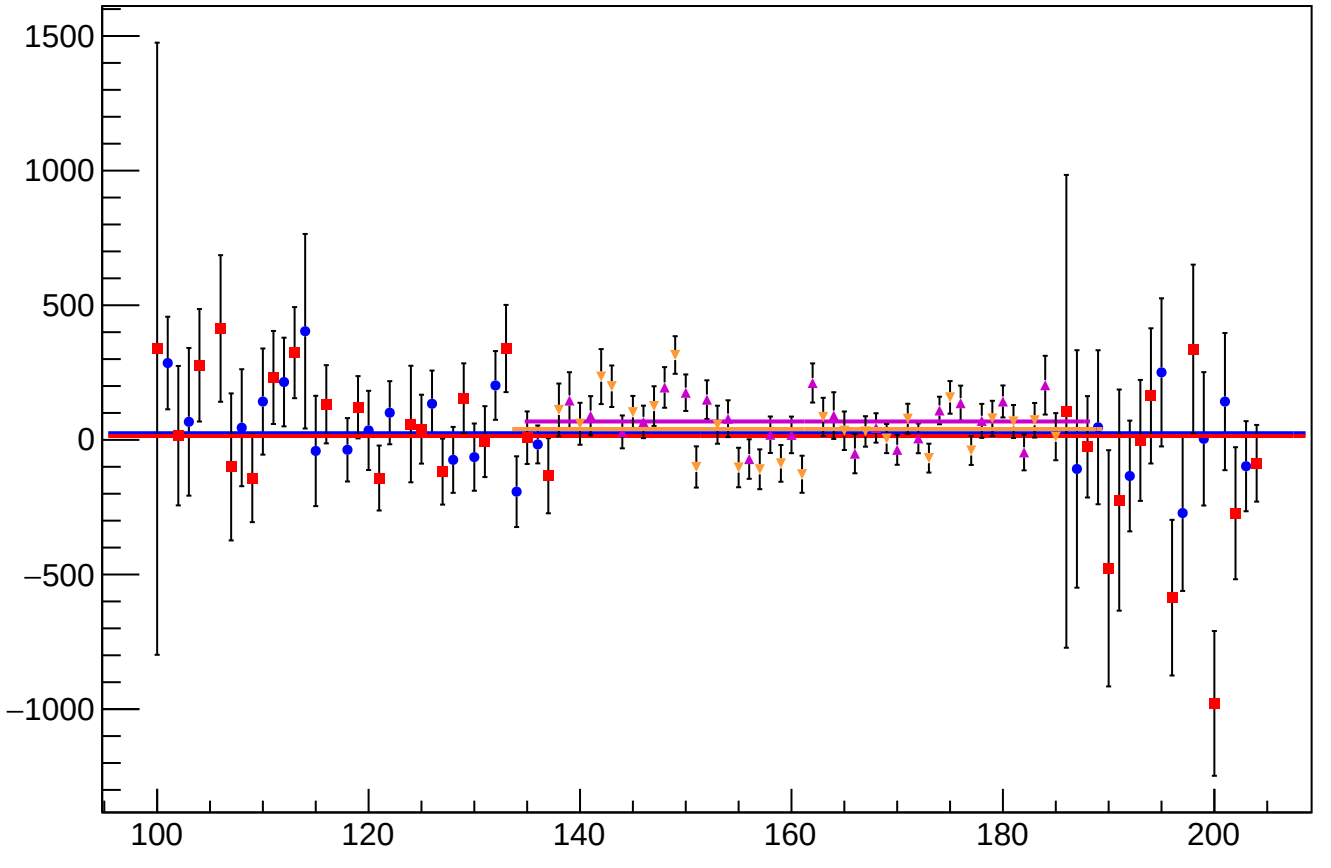
Left: 479.144+/-0.057 χ^2/NDF: 4798056.8/47

Right: 1375.491+/-0.193 χ^2/NDF: 5889884.6/53

In: 547.455+/-0.078 χ^2/NDF:13716997.0/46

Out: 556.045+/-0.077 χ^2/NDF:16807475.5/54

All: 551.825+/-0.055 χ^2/NDF: 30530584.0/10



Right In: 24.675+/-31.547 χ^2/NDF: 16.1/23

Left Out: 40.344+/-13.402 χ^2/NDF:59.4/24

Right Out: 14.331+/-31.600 χ^2/NDF: 43.5/29

Left In: 68.343+/-13.866 χ^2/NDF:31.7/22

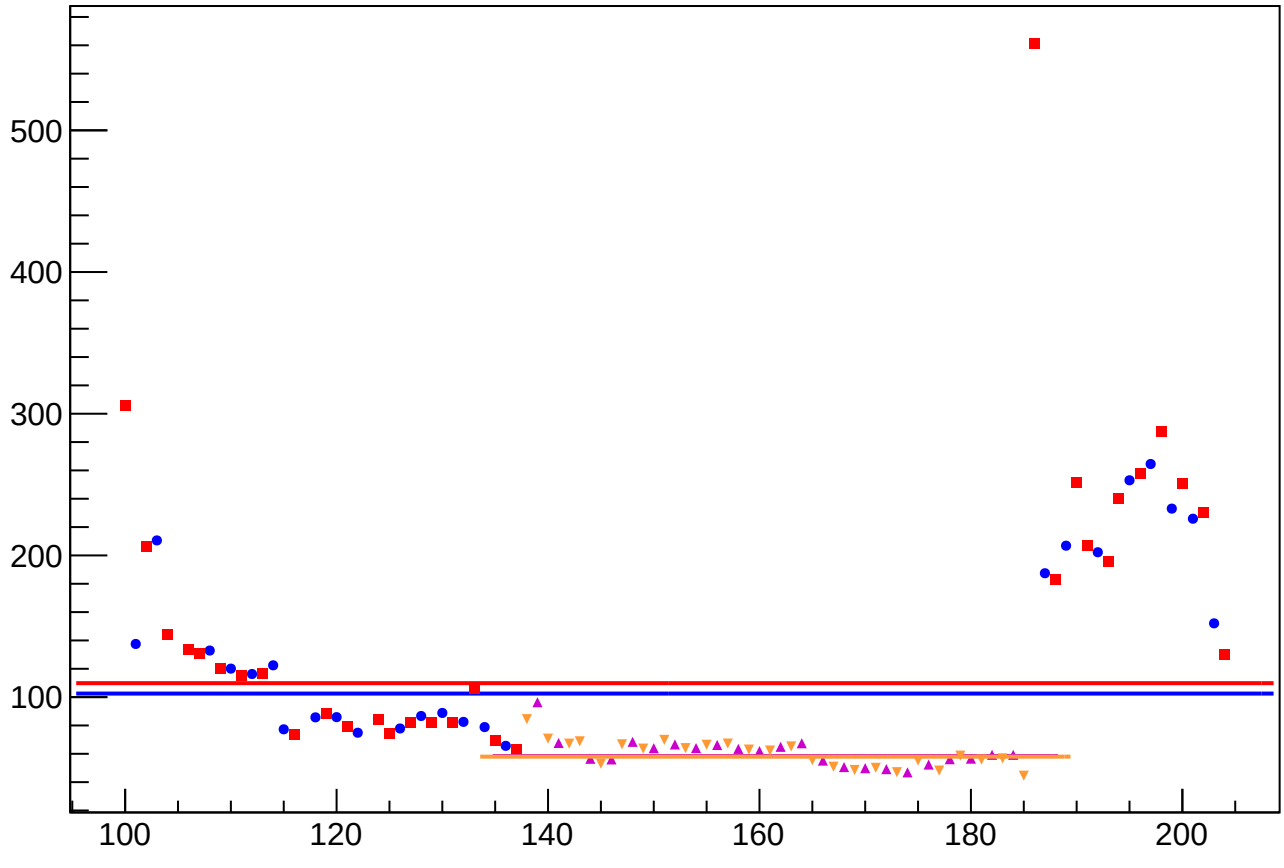
Left: 53.867+/-9.637 χ^2/NDF: 93.3/47

Right: 19.512+/-22.326 χ^2/NDF: 59.6/53

In: 61.273+/-12.694 χ^2/NDF:49.4/46

Out: 36.378+/-12.338 χ^2/NDF:103.5/54

All: 48.472+/-8.848 χ^2/NDF: 154.9/101



Right In: 102.505+/-0.022 χ^2/NDF: 4713916.6/23

Left Out: 57.996+/-0.009 χ^2/NDF:807648.7/24

Right Out: 109.855+/-0.022 χ^2/NDF: 6002372.8/29

Left In: 58.397+/-0.010 χ^2/NDF:735208.2/22

Left: 58.189+/-0.007 χ^2/NDF: 1543722.4/47

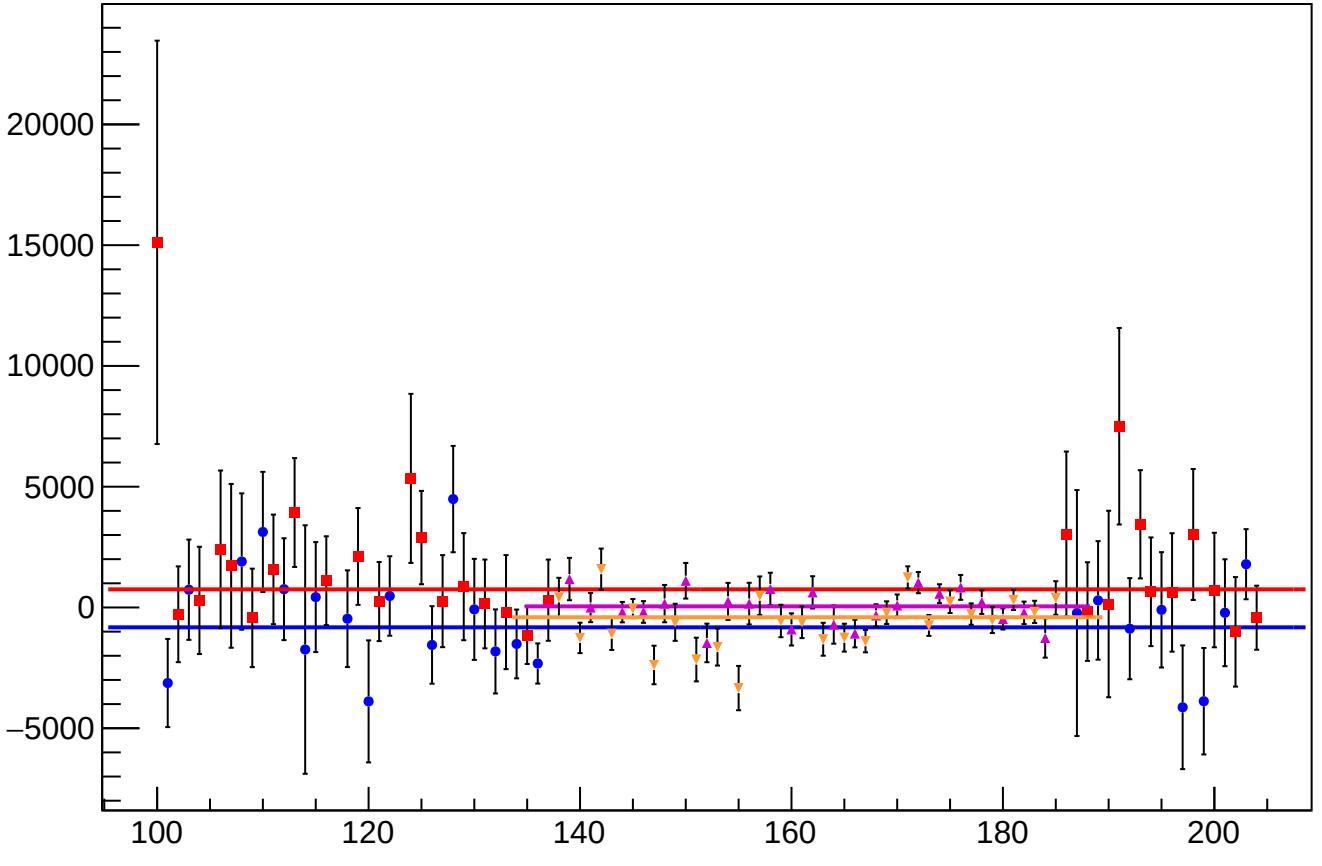
Right: 106.174+/-0.016 χ^2/NDF: 10770469.6/53

In: 65.538+/-0.009 χ^2/NDF:8725874.8/46

Out: 65.901+/-0.009 χ^2/NDF:11375336.8/54

All: 65.725+/-0.006 χ^2/NDF: 20102052.3/101

asym_sam_3726_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -822.371+/-383.764 χ^2/NDF: 25.8/23

Left Out: -406.320+/-113.468 χ^2/NDF:63.2/24

Right Out: 749.882+/-387.835 χ^2/NDF: 19.5/29

Left In: 44.830+/-115.765 χ^2/NDF:31.1/22

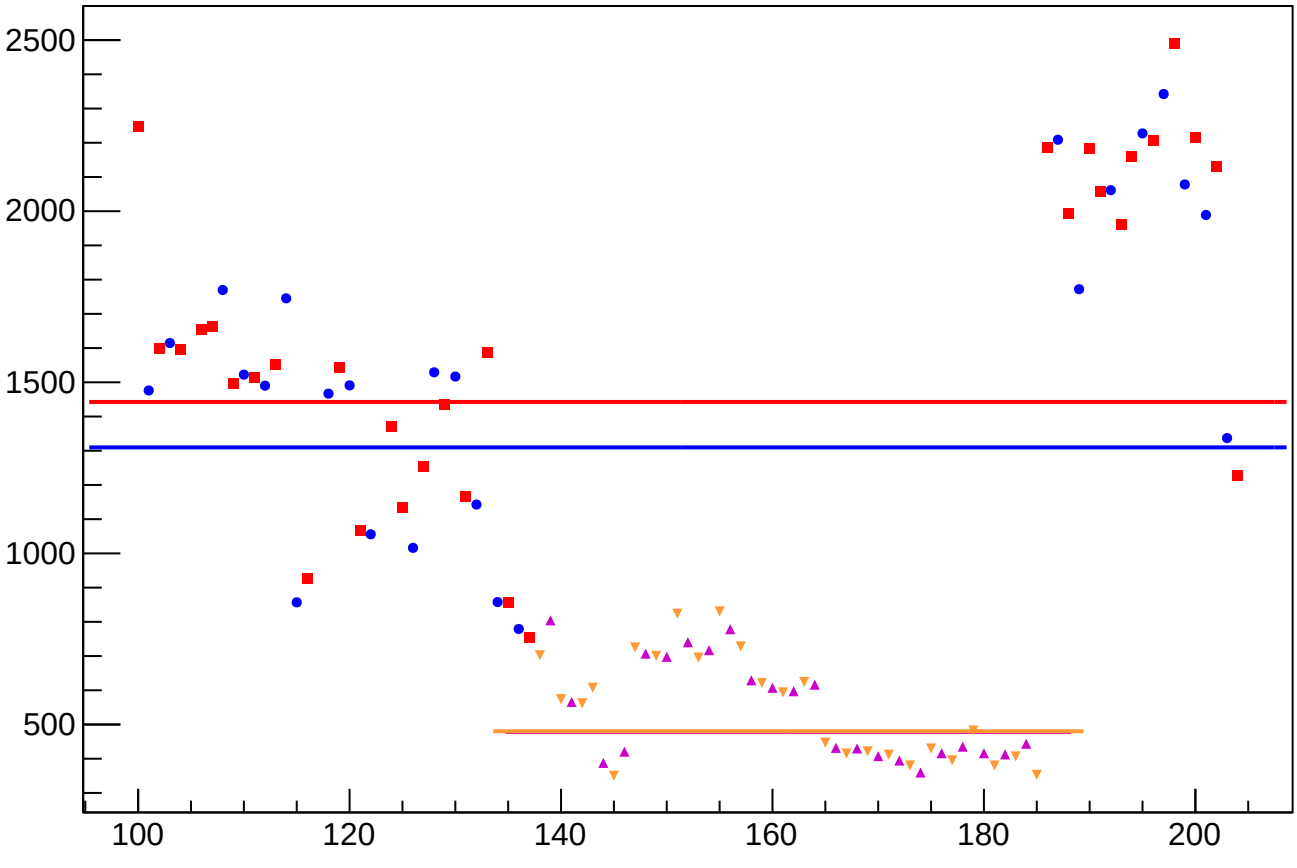
Left: -185.266+/-81.034 χ^2/NDF: 102.0/47

Right: -44.539+/-272.790 χ^2/NDF: 53.6/53

In: -27.500+/-110.832 χ^2/NDF:61.5/46

Out: -315.158+/-108.902 χ^2/NDF:90.9/54

All: -173.855+/-77.679 χ^2/NDF: 155.9/101



Right In: 1309.808+/-0.271 χ^2/NDF: 2890828.8/23

Left Out: 480.162+/-0.080 χ^2/NDF:2582209.1/24

Right Out: 1442.574+/-0.274 χ^2/NDF: 2880632.2/29

Left In: 478.084+/-0.082 χ^2/NDF:2215518.9/22

Left: 479.144+/-0.057 χ^2/NDF: 4798056.8/47

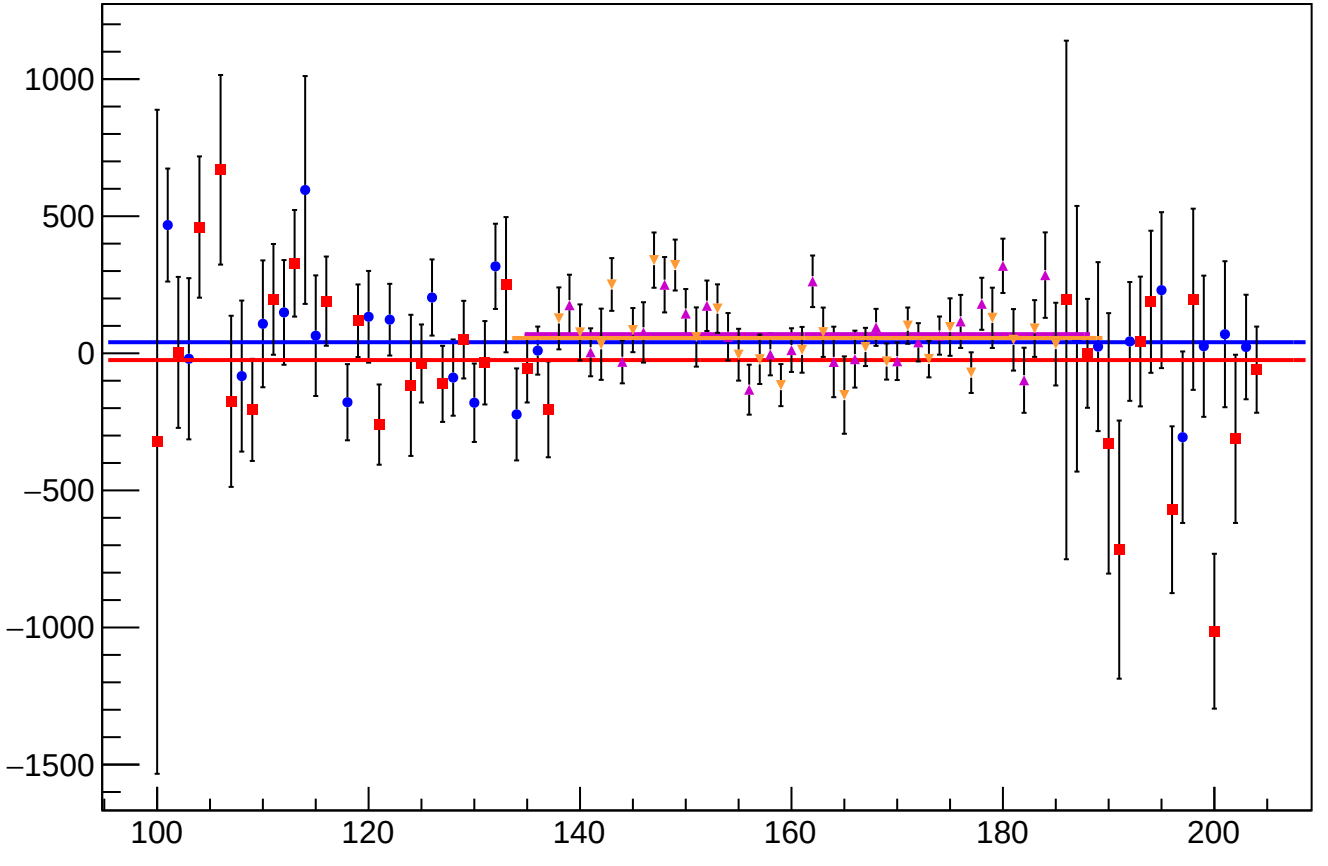
Right: 1375.491+/-0.193 χ^2/NDF: 5889884.6/53

In: 547.455+/-0.078 χ^2/NDF:13716997.0/46

Out: 556.045+/-0.077 χ^2/NDF:16807475.5/54

All: 551.825+/-0.055 χ^2/NDF: 30530584.0/10

dit_asym_sam_3726_avg_mean vs Slug, Sign Corrected



Right In: 40.459+/-36.711 χ^2/NDF: 22.0/23

Left Out: 55.949+/-17.949 χ^2/NDF:38.3/24

Right Out: -24.667+/-36.638 χ^2/NDF: 42.3/29

Left In: 69.844+/-18.497 χ^2/NDF:34.5/22

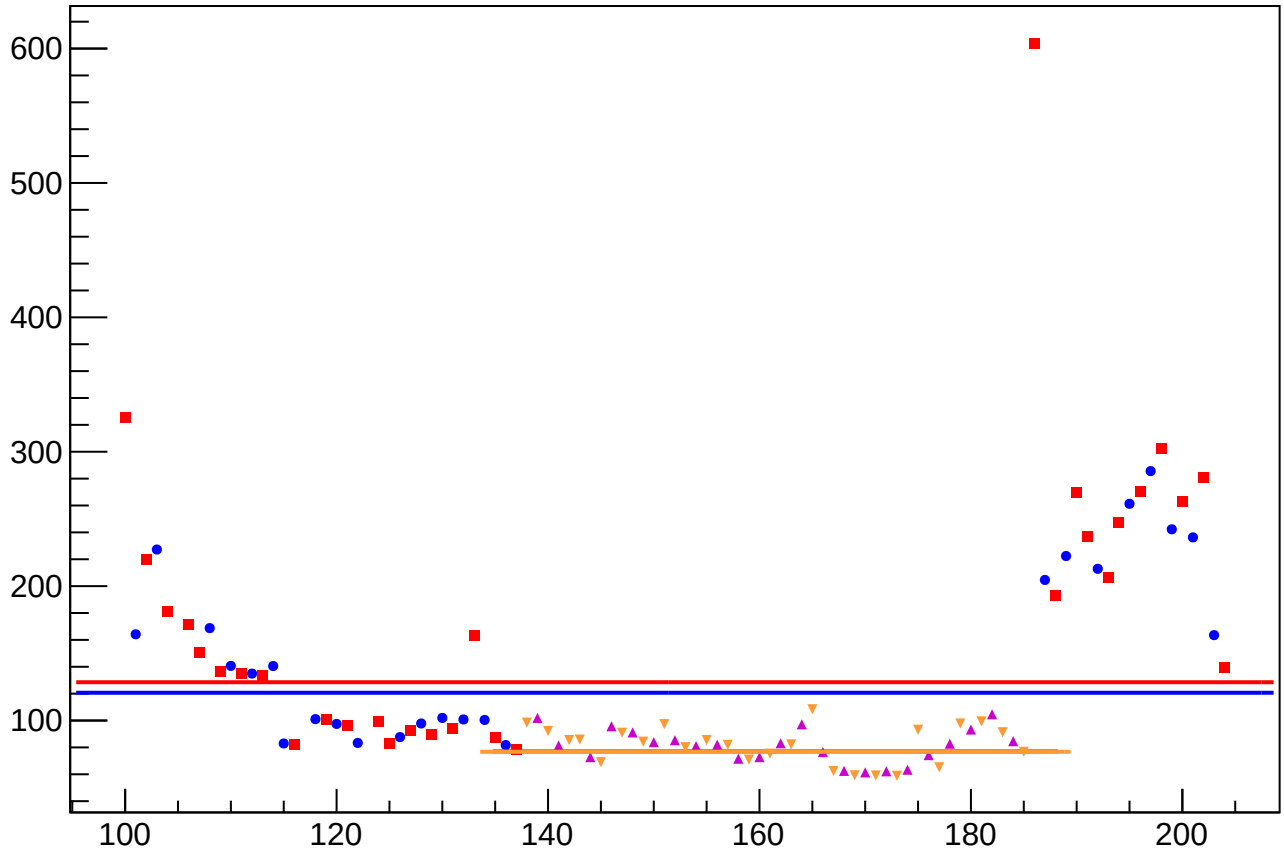
Left: 62.687+/-12.881 χ^2/NDF: 73.1/47

Right: 7.832+/-25.933 χ^2/NDF: 65.9/53

In: 63.894+/-16.518 χ^2/NDF:57.1/46

Out: 40.345+/-16.119 χ^2/NDF:84.5/54

All: 51.831+/-11.536 χ^2/NDF: 142.6/101



Right In: 120.673+/-0.026 χ^2/NDF: 4011793.1/23

Left Out: 76.744+/-0.013 χ^2/NDF:1234629.1/24

Right Out: 128.497+/-0.026 χ^2/NDF: 5379213.4/29

Left In: 77.018+/-0.013 χ^2/NDF:858871.7/22

Left: 76.877+/-0.009 χ^2/NDF: 2093727.3/47

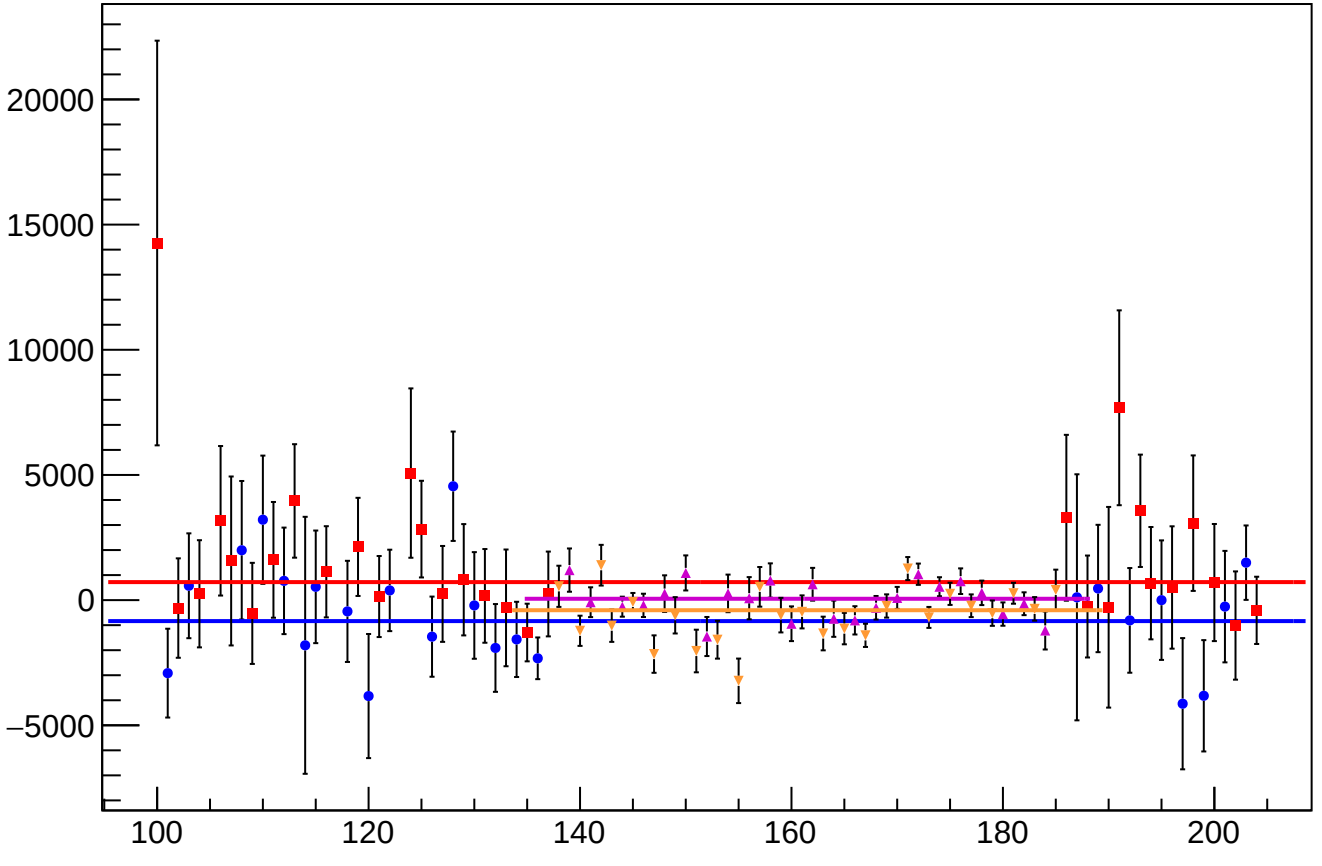
Right: 124.593+/-0.018 χ^2/NDF: 9436527.6/53

In: 85.857+/-0.012 χ^2/NDF:7126238.1/46

Out: 86.761+/-0.011 χ^2/NDF:9832095.4/54

All: 86.320+/-0.008 χ^2/NDF: 16961403.7/101

asym_sam_3726_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -837.682+/-386.206 χ^2/NDF: 24.9/23

Left Out: -403.375+/-111.773 χ^2/NDF:60.7/24

Right Out: 719.795+/-384.232 χ^2/NDF: 21.3/29

Left In: 54.192+/-114.223 χ^2/NDF:30.7/22

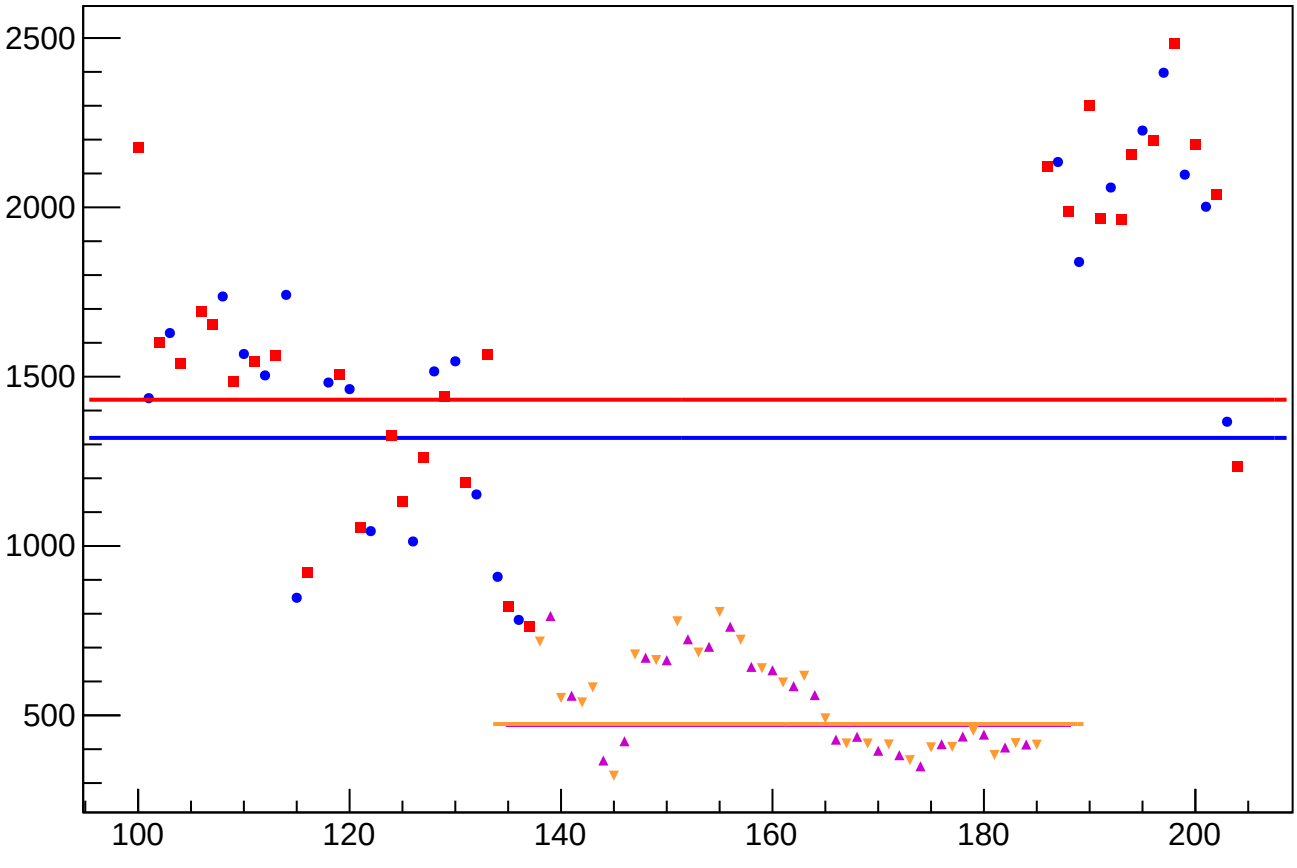
Left: -179.552+/-79.888 χ^2/NDF: 99.6/47

Right: -54.952+/-272.388 χ^2/NDF: 54.3/53

In: -17.547+/-109.533 χ^2/NDF:60.4/46

Out: -315.745+/-107.324 χ^2/NDF:89.9/54

All: -169.683+/-76.659 χ^2/NDF: 154.1/101



Right In: 1319.196+/-0.273 χ^2/NDF: 2872987.2/23

Left Out: 474.294+/-0.079 χ^2/NDF:2538995.4/24

Right Out: 1431.949+/-0.272 χ^2/NDF: 2917753.5/29

Left In: 471.456+/-0.081 χ^2/NDF:2209343.4/22

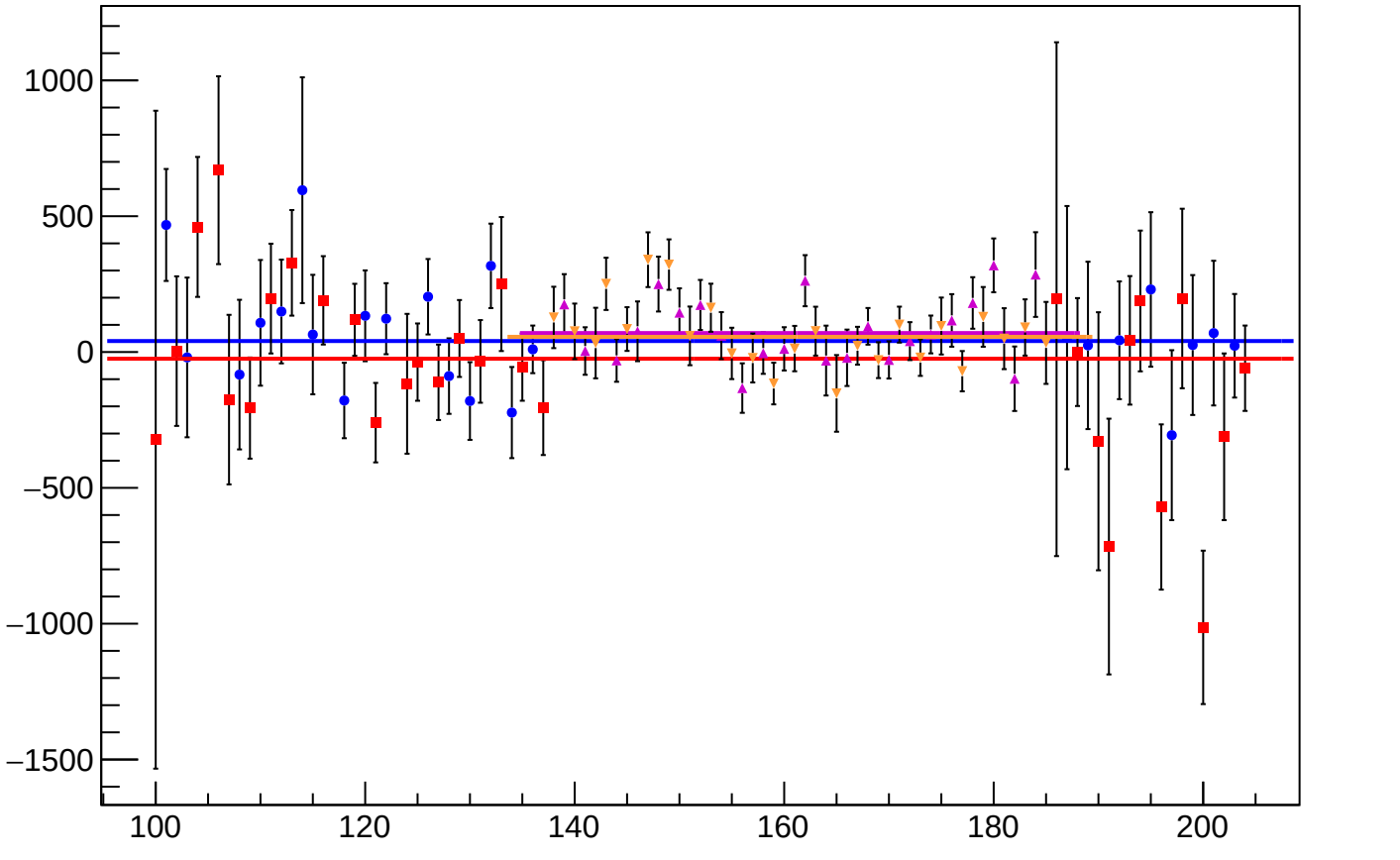
Left: 472.906+/-0.056 χ^2/NDF: 4748969.5/47

Right: 1375.862+/-0.193 χ^2/NDF: 5876412.6/53

In: 539.645+/-0.077 χ^2/NDF:13943665.7/46

Out: 549.011+/-0.076 χ^2/NDF:16911445.9/54

All: 544.423+/-0.054 χ^2/NDF: 30862572.0/10



Right In: 40.459+/-36.710 χ^2/NDF: 22.0/23

Left Out: 55.948+/-17.949 χ^2/NDF:38.3/24

Right Out: -24.669+/-36.638 χ^2/NDF: 42.3/29

Left In: 69.843+/-18.497 χ^2/NDF:34.5/22

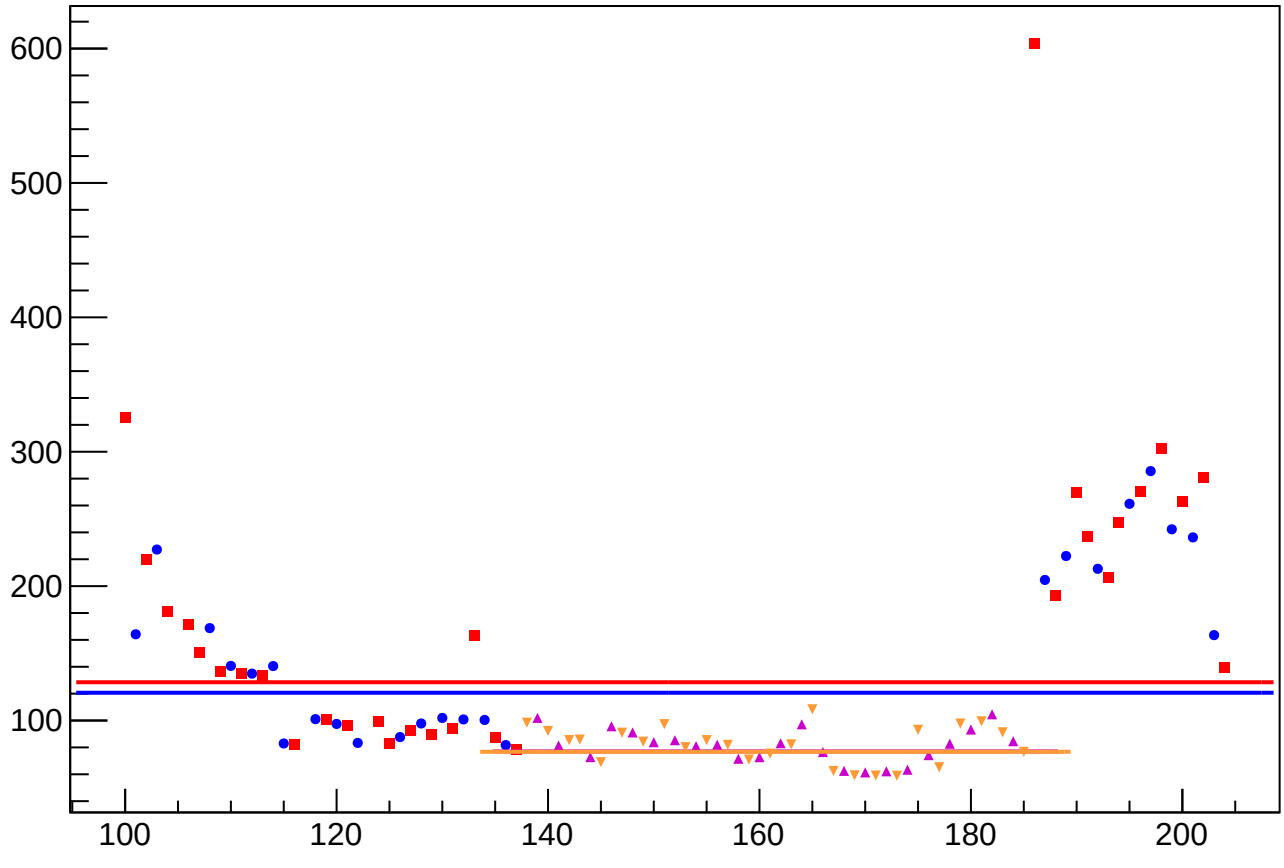
Left: 62.687+/-12.881 χ^2/NDF: 73.1/47

Right: 7.831+/-25.933 χ^2/NDF: 65.9/53

In: 63.894+/-16.518 χ^2/NDF:57.1/46

Out: 40.344+/-16.119 χ^2/NDF:84.5/54

All: 51.831+/-11.536 χ^2/NDF: 142.6/101



Right In: 120.672+/-0.026 χ^2/NDF: 4011800.1/23

Left Out: 76.744+/-0.013 χ^2/NDF:1234627.7/24

Right Out: 128.497+/-0.026 χ^2/NDF: 5379222.4/29

Left In: 77.018+/-0.013 χ^2/NDF:858863.2/22

Left: 76.877+/-0.009 χ^2/NDF: 2093717.5/47

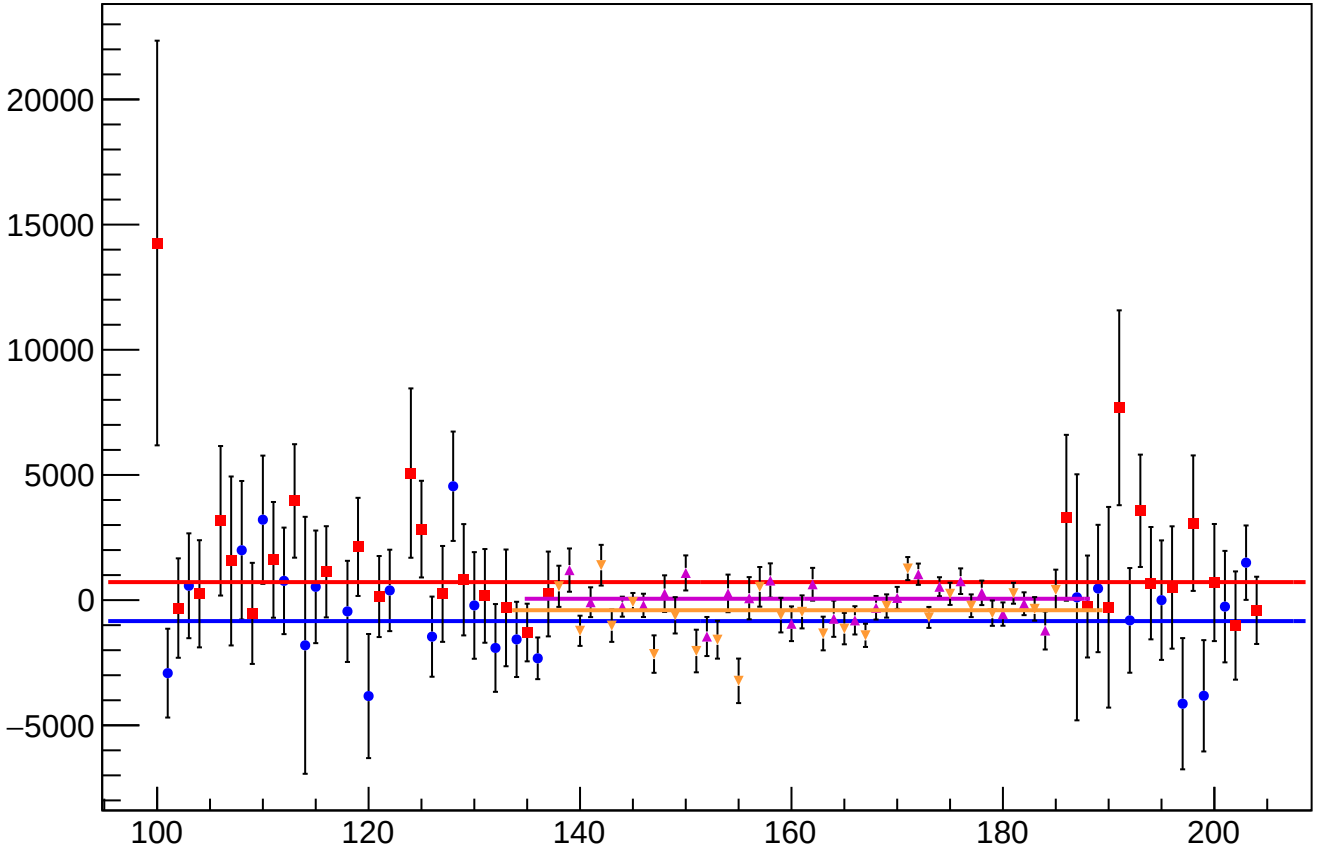
Right: 124.592+/-0.018 χ^2/NDF: 9436545.5/53

In: 85.857+/-0.012 χ^2/NDF:7126183.5/46

Out: 86.761+/-0.011 χ^2/NDF:9832057.0/54

All: 86.320+/-0.008 χ^2/NDF: 16961310.7/101

asym_sam_3726_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -837.679+/-386.206 χ^2/NDF: 24.9/23

Left Out: -403.375+/-111.773 χ^2/NDF:60.7/24

Right Out: 719.796+/-384.231 χ^2/NDF: 21.3/29

Left In: 54.192+/-114.223 χ^2/NDF:30.7/22

Left: -179.551+/-79.888 χ^2/NDF: 99.6/47

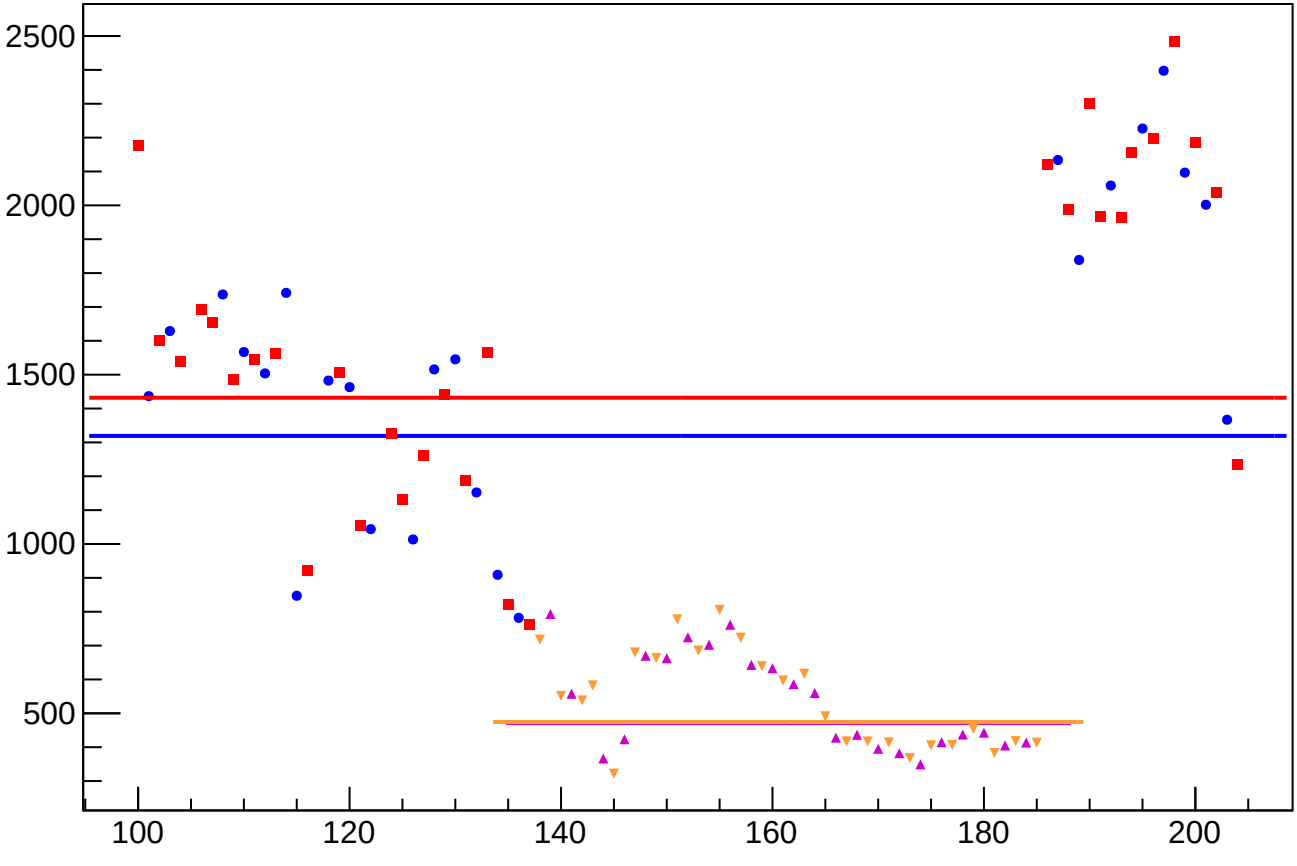
Right: -54.950+/-272.388 χ^2/NDF: 54.3/53

In: -17.547+/-109.533 χ^2/NDF:60.4/46

Out: -315.744+/-107.324 χ^2/NDF:89.9/54

All: -169.683+/-76.659 χ^2/NDF: 154.1/101

asym_sam_3726_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1319.195+/-0.273 χ^2/NDF: 2872977.8/23

Left Out: 474.294+/-0.079 χ^2/NDF:2538999.2/24

Right Out: 1431.948+/-0.272 χ^2/NDF: 2917748.6/29

Left In: 471.456+/-0.081 χ^2/NDF:2209338.4/22

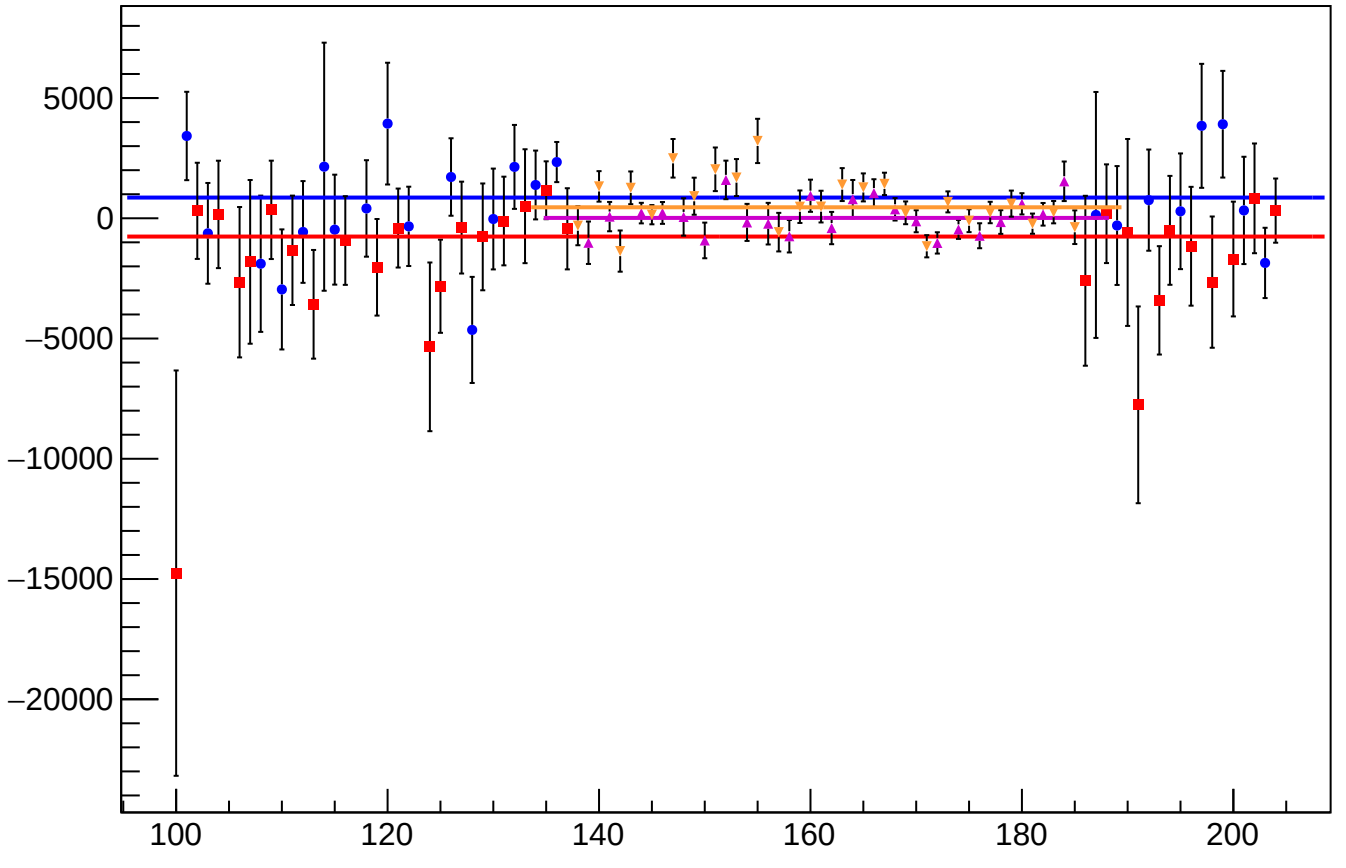
Left: 472.905+/-0.056 χ^2/NDF: 4748968.3/47

Right: 1375.861+/-0.193 χ^2/NDF: 5876398.1/53

In: 539.645+/-0.077 χ^2/NDF:13943648.7/46

Out: 549.011+/-0.076 χ^2/NDF:16911442.0/54

All: 544.423+/-0.054 χ^2/NDF: 30862550.7/10



Right In: 861.612+/-385.544 χ^2/NDF: 26.2/23

Left Out: 457.286+/-114.351 χ^2/NDF:59.4/24

Right Out: -760.134+/-389.349 χ^2/NDF: 18.5/29

Left In: 15.089+/-116.701 χ^2/NDF:30.3/22

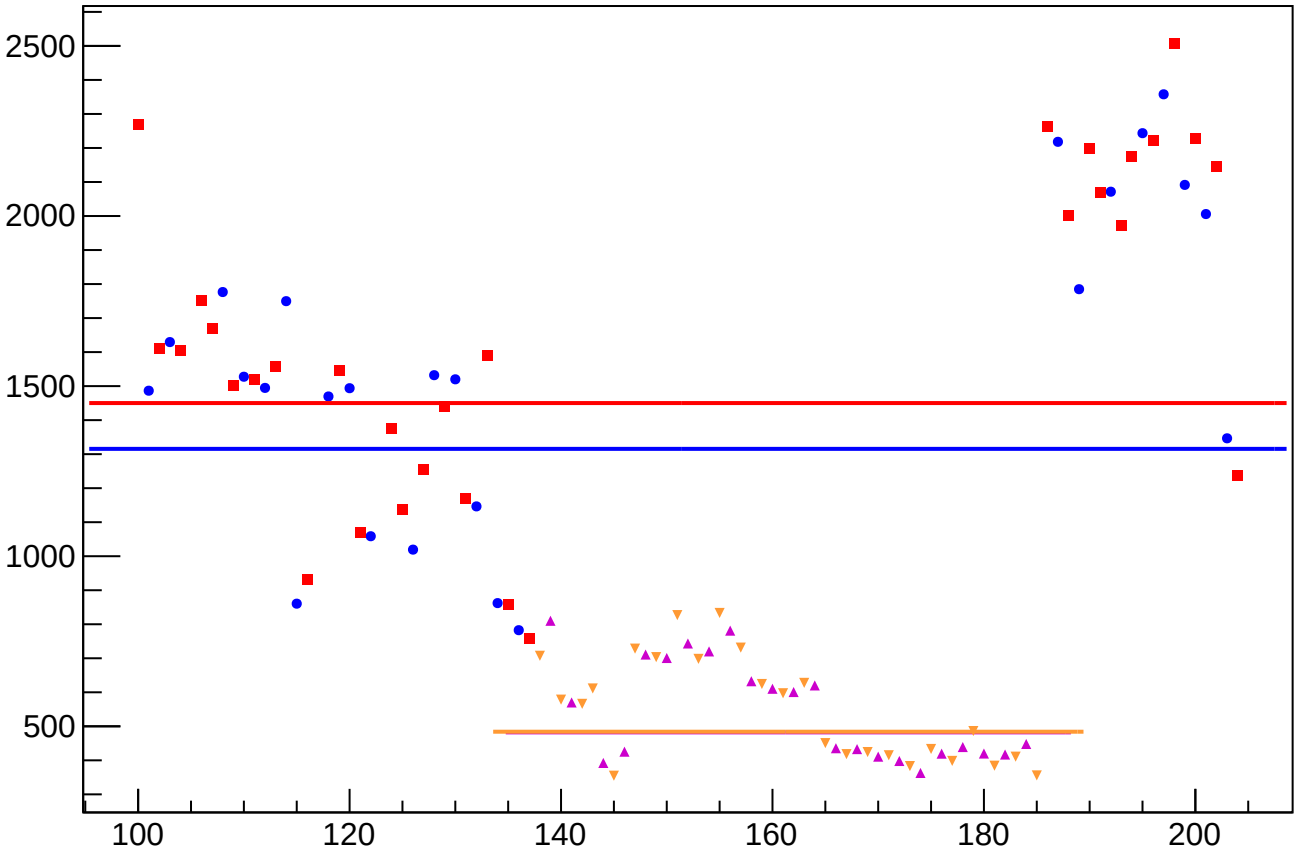
Left: 240.684+/-81.677 χ^2/NDF: 97.0/47

Right: 58.703+/-273.956 χ^2/NDF: 53.5/53

In: 86.140+/-111.696 χ^2/NDF:60.9/46

Out: 360.612+/-109.717 χ^2/NDF:86.9/54

All: 225.829+/-78.272 χ^2/NDF: 150.9/101



Right In: 1315.565+/-0.273 χ^2/NDF: 2902656.9/23

Left Out: 484.128+/-0.081 χ^2/NDF:2548479.4/24

Right Out: 1450.194+/-0.275 χ^2/NDF: 2920534.1/29

Left In: 482.160+/-0.083 χ^2/NDF:2186689.9/22

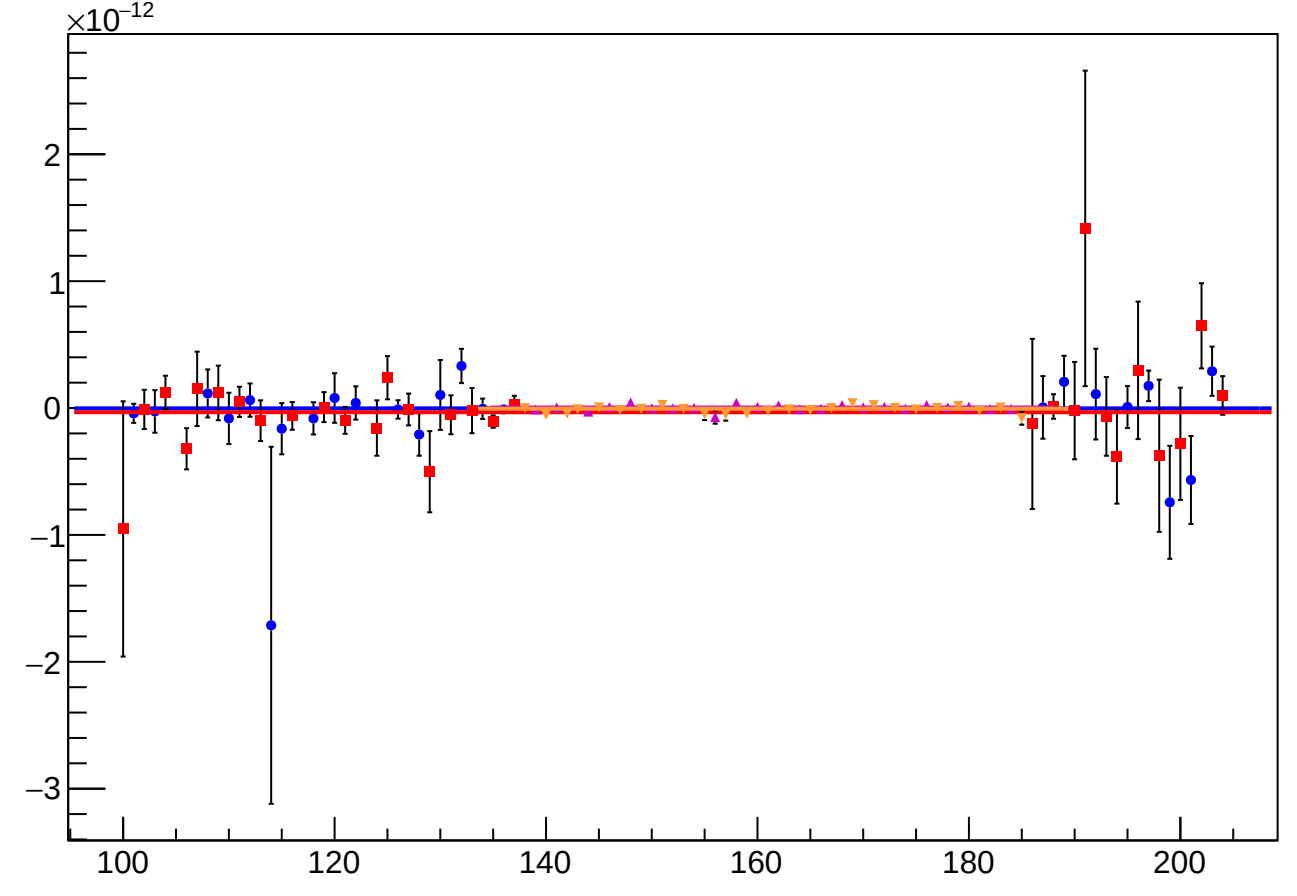
Left: 483.164+/-0.058 χ^2/NDF: 4735459.6/47

Right: 1382.218+/-0.194 χ^2/NDF: 5943929.4/53

In: 552.109+/-0.079 χ^2/NDF:13650301.5/46

Out: 560.842+/-0.078 χ^2/NDF:16804271.4/54

All: 556.554+/-0.055 χ^2/NDF: 30460795.6/10



Right In: -0.000+/-0.000 χ^2/NDF: 22.8/23

Left Out: -0.000+/-0.000 χ^2/NDF:31.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 24.1/29

Left In: 0.000+/-0.000 χ^2/NDF:15.0/22

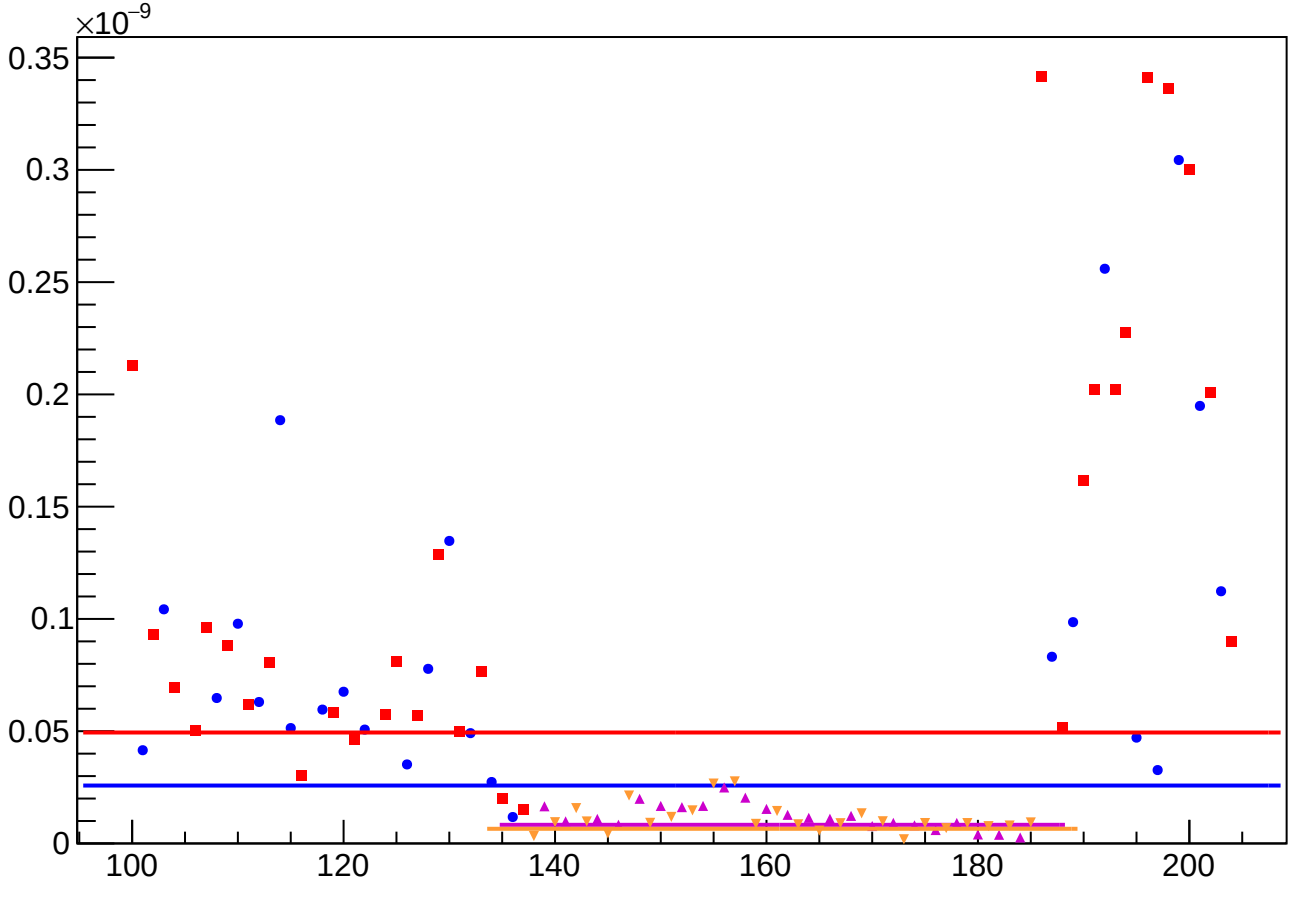
Left: -0.000+/-0.000 χ^2/NDF: 49.2/47

Right: -0.000+/-0.000 χ^2/NDF: 47.9/53

In: 0.000+/-0.000 χ^2/NDF:38.0/46

Out: -0.000+/-0.000 χ^2/NDF:56.3/54

All: -0.000+/-0.000 χ^2/NDF: 97.7/101



Right In: 0.000+/-0.000 χ^2/NDF: 5807428.3/23

Left Out: 0.000+/-0.000 χ^2/NDF:3737127.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5788591.1/29

Left In: 0.000+/-0.000 χ^2/NDF:2799238.8/22

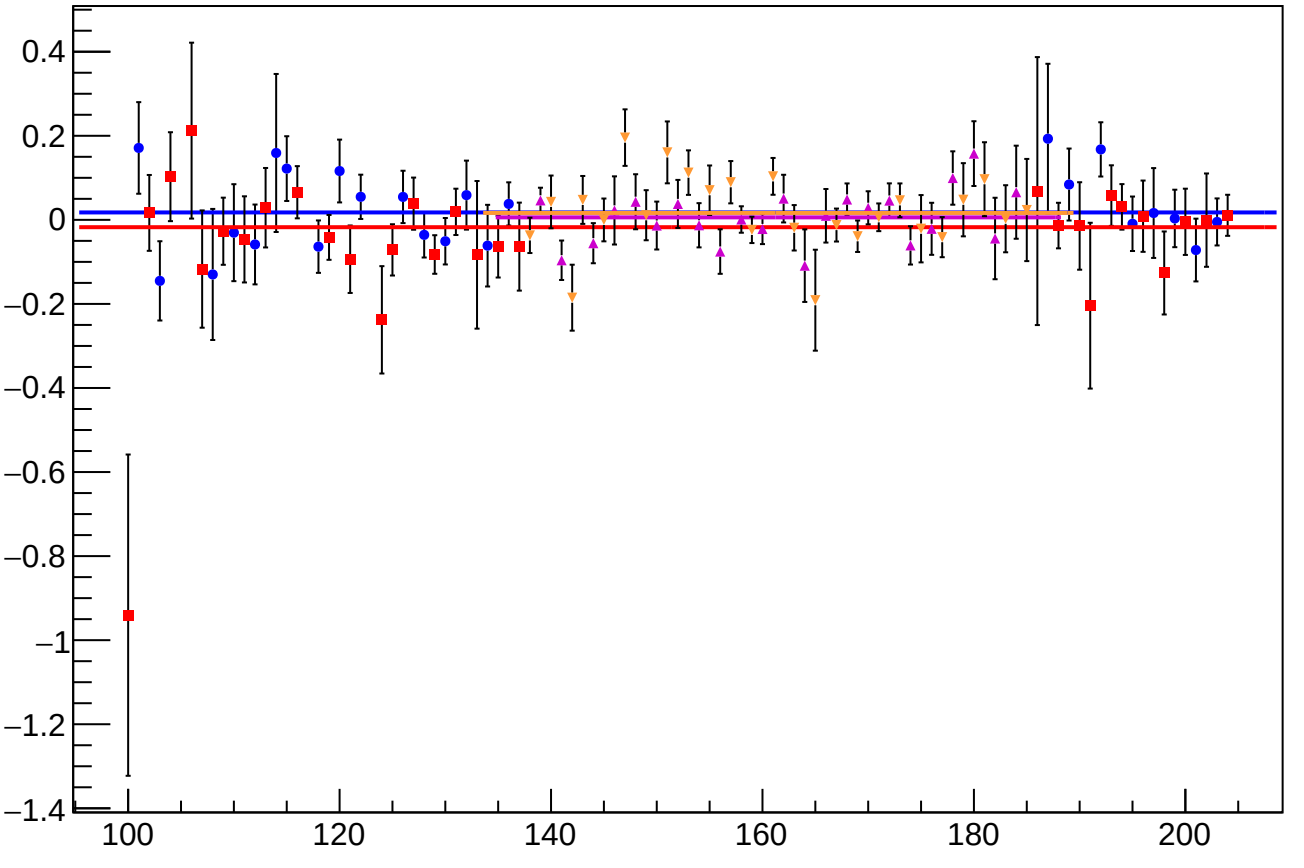
Left: 0.000+/-0.000 χ^2/NDF: 6795469.8/47

Right: 0.000+/-0.000 χ^2/NDF: 12803205.1/53

In: 0.000+/-0.000 χ^2/NDF:10655726.1/46

Out: 0.000+/-0.000 χ^2/NDF:15184864.4/54

All: 0.000+/-0.000 χ^2/NDF: 26164009.6/101



Right In: 0.018+/-0.015 χ^2/NDF: 25.7/23

Left Out: 0.016+/-0.010 χ^2/NDF:41.1/24

Right Out: -0.017+/-0.014 χ^2/NDF: 24.5/29

Left In: 0.006+/-0.010 χ^2/NDF:26.0/22

Left: 0.011+/-0.007 χ^2/NDF: 67.5/47

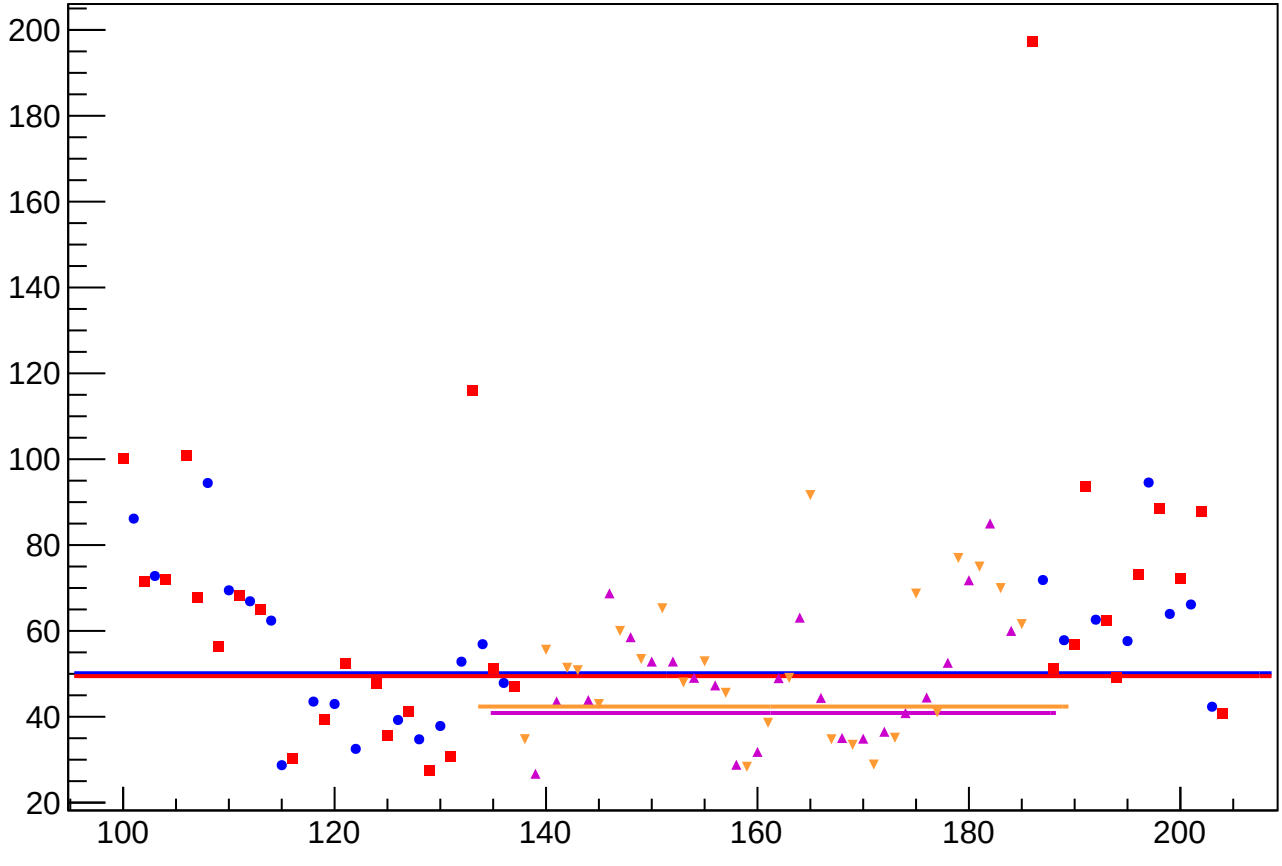
Right: -0.001+/-0.010 χ^2/NDF: 53.2/53

In: 0.010+/-0.008 χ^2/NDF:52.1/46

Out: 0.005+/-0.008 χ^2/NDF:69.4/54

All: 0.007+/-0.006 χ^2/NDF: 121.7/101

asym_sam_3726_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 50.137+/-0.011 χ^2/NDF: 2086275.4/23

Left Out: 42.375+/-0.007 χ^2/NDF:3190972.5/24

Right Out: 49.466+/-0.010 χ^2/NDF: 3465885.9/29

Left In: 40.881+/-0.007 χ^2/NDF:2678327.2/22

Left: 41.623+/-0.005 χ^2/NDF: 5890281.6/47

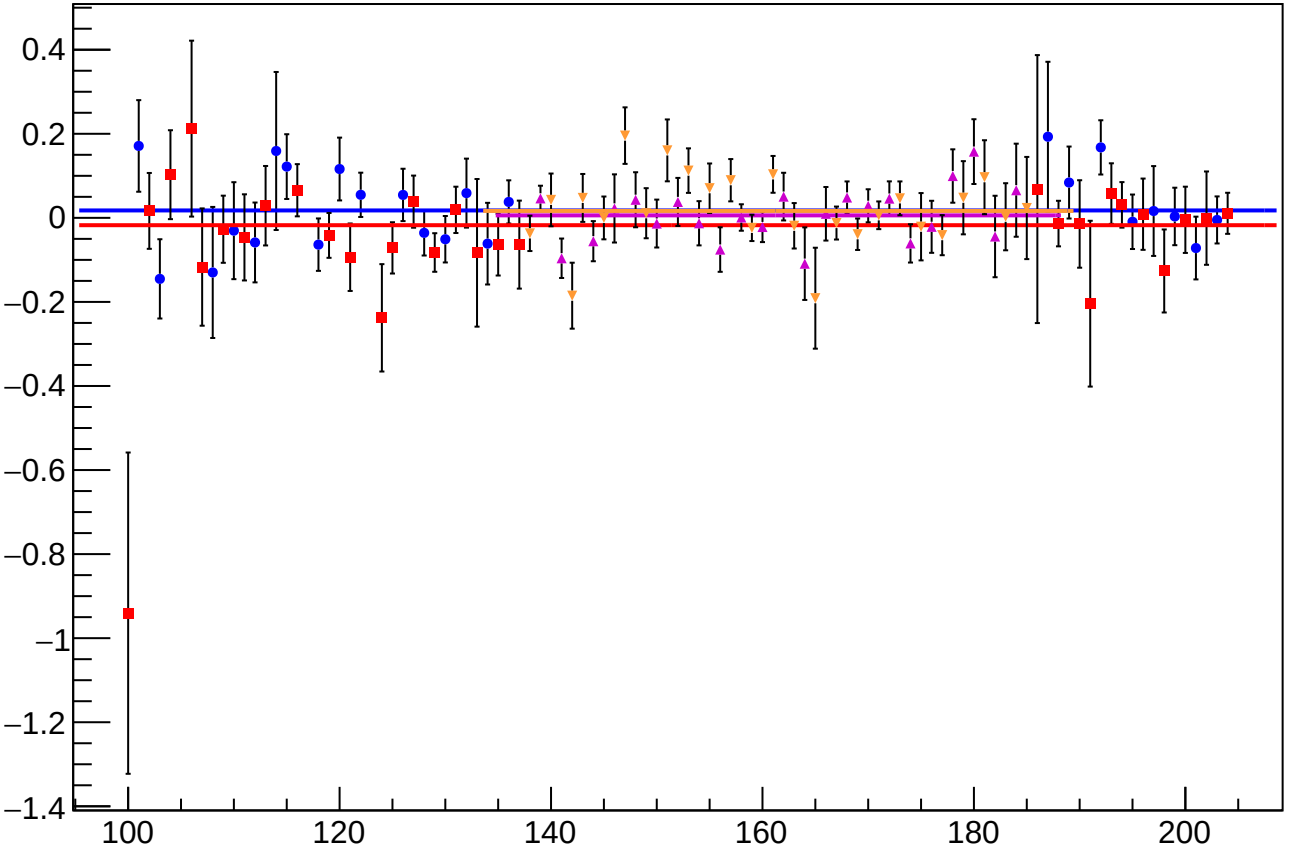
Right: 49.780+/-0.007 χ^2/NDF: 5554280.3/53

In: 43.831+/-0.006 χ^2/NDF:5281314.0/46

Out: 44.858+/-0.006 χ^2/NDF:6985741.2/54

All: 44.353+/-0.004 χ^2/NDF: 12281940.7/101

asym_sam_3726_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.018+/-0.015 χ^2/NDF: 25.7/23

Left Out: 0.016+/-0.010 χ^2/NDF:41.1/24

Right Out: -0.017+/-0.014 χ^2/NDF: 24.5/29

Left In: 0.006+/-0.010 χ^2/NDF:26.0/22

Left: 0.011+/-0.007 χ^2/NDF: 67.5/47

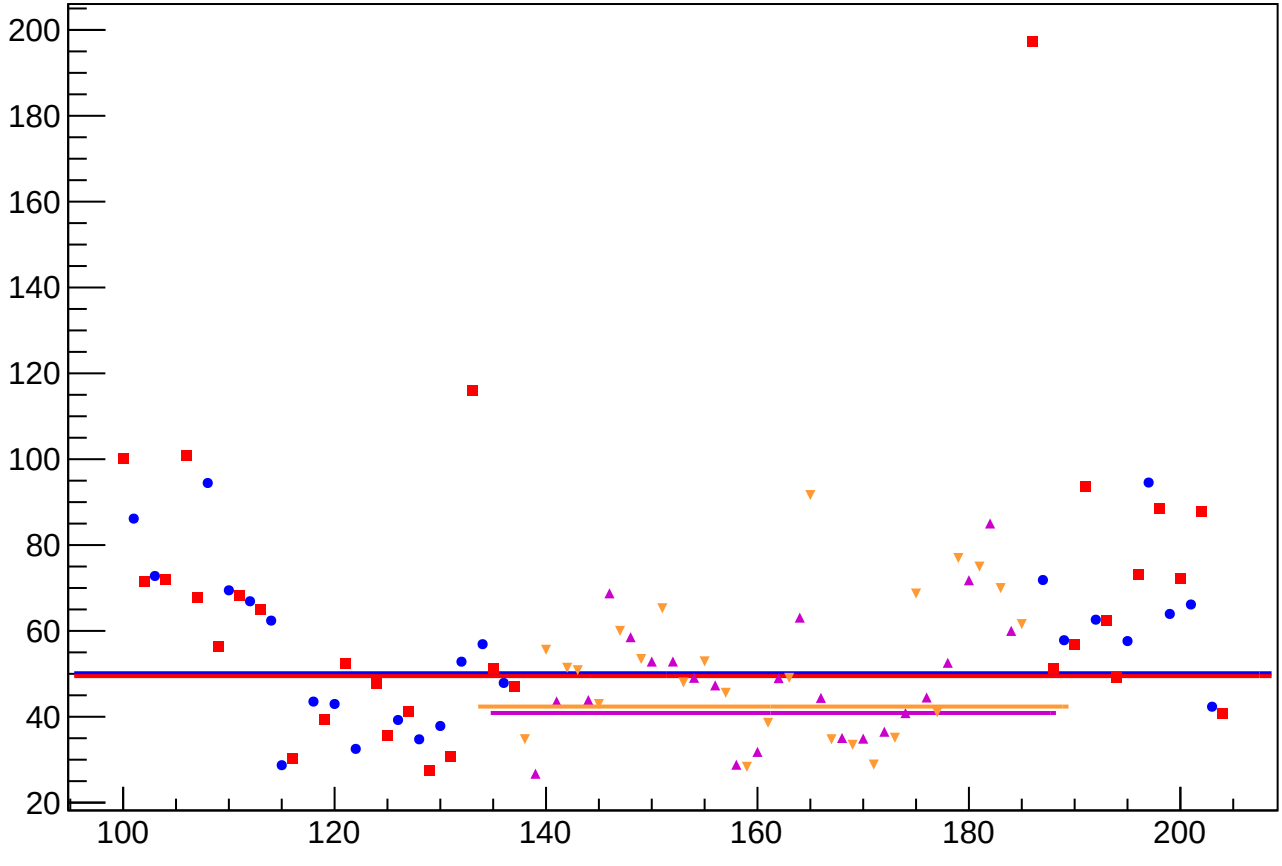
Right: -0.001+/-0.010 χ^2/NDF: 53.2/53

In: 0.010+/-0.008 χ^2/NDF:52.1/46

Out: 0.005+/-0.008 χ^2/NDF:69.4/54

All: 0.007+/-0.006 χ^2/NDF: 121.7/101

asym_sam_3726_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 50.137+/-0.011 χ^2/NDF: 2086275.4/23

Left Out: 42.375+/-0.007 χ^2/NDF:3190972.5/24

Right Out: 49.466+/-0.010 χ^2/NDF: 3465885.9/29

Left In: 40.881+/-0.007 χ^2/NDF:2678327.2/22

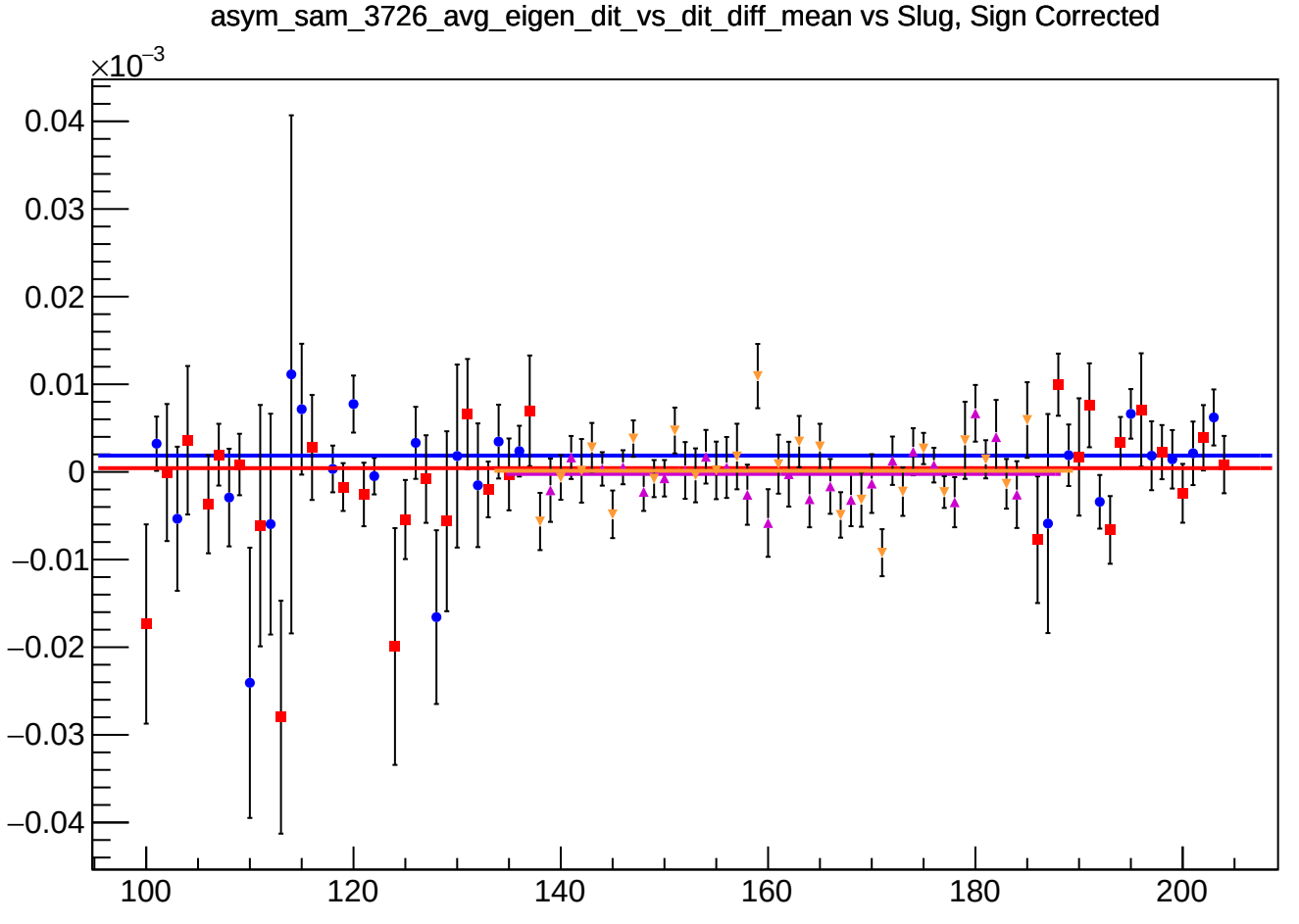
Left: 41.623+/-0.005 χ^2/NDF: 5890281.6/47

Right: 49.780+/-0.007 χ^2/NDF: 5554280.3/53

In: 43.831+/-0.006 χ^2/NDF:5281314.0/46

Out: 44.858+/-0.006 χ^2/NDF:6985741.2/54

All: 44.353+/-0.004 χ^2/NDF: 12281940.7/101



Right In: 0.000+/-0.000 χ^2/NDF: 22.4/23

Left Out: 0.000+/-0.000 χ^2/NDF:49.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 34.7/29

Left In: -0.000+/-0.000 χ^2/NDF:15.8/22

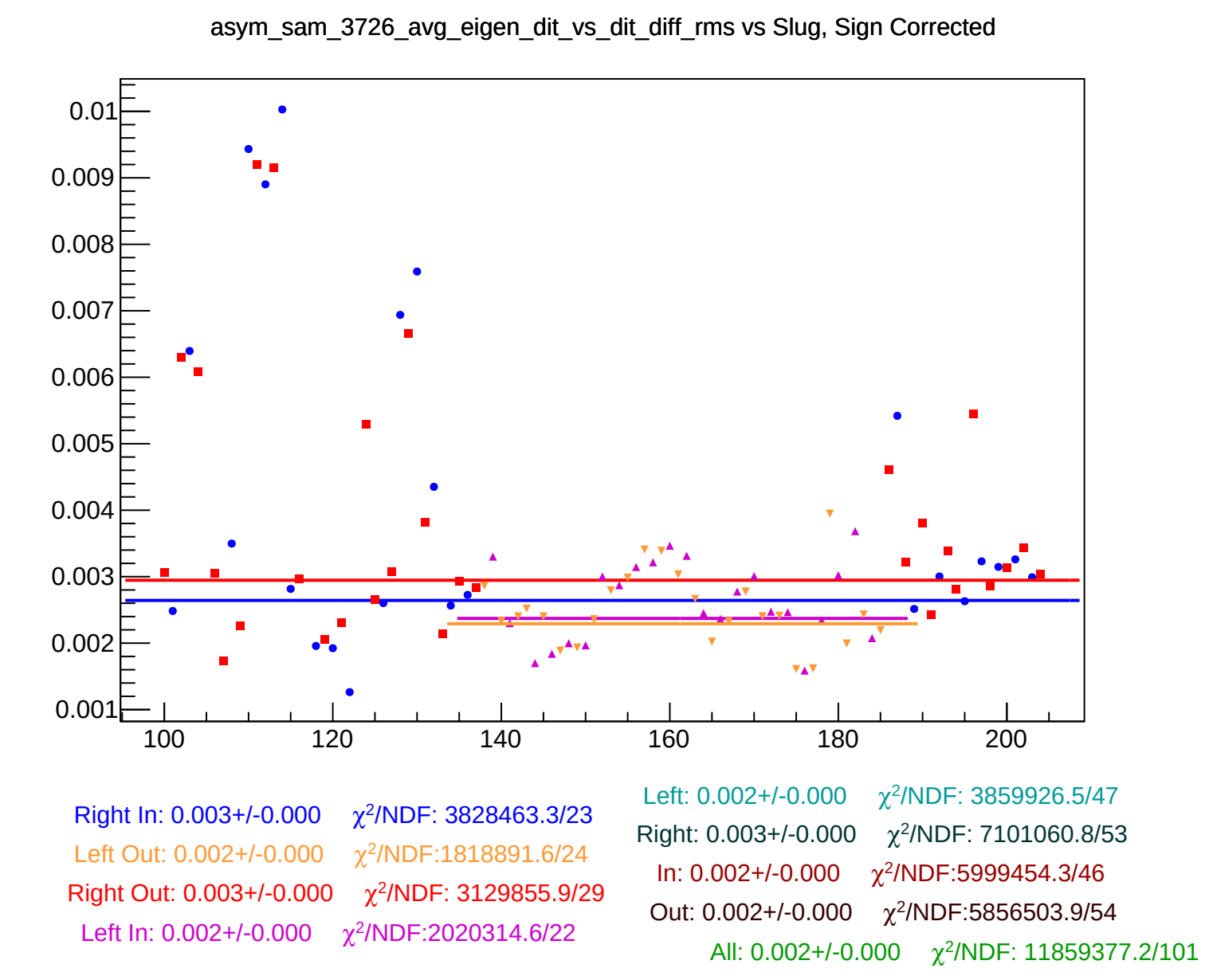
Left: -0.000+/-0.000 χ^2/NDF: 66.0/47

Right: 0.000+/-0.000 χ^2/NDF: 58.7/53

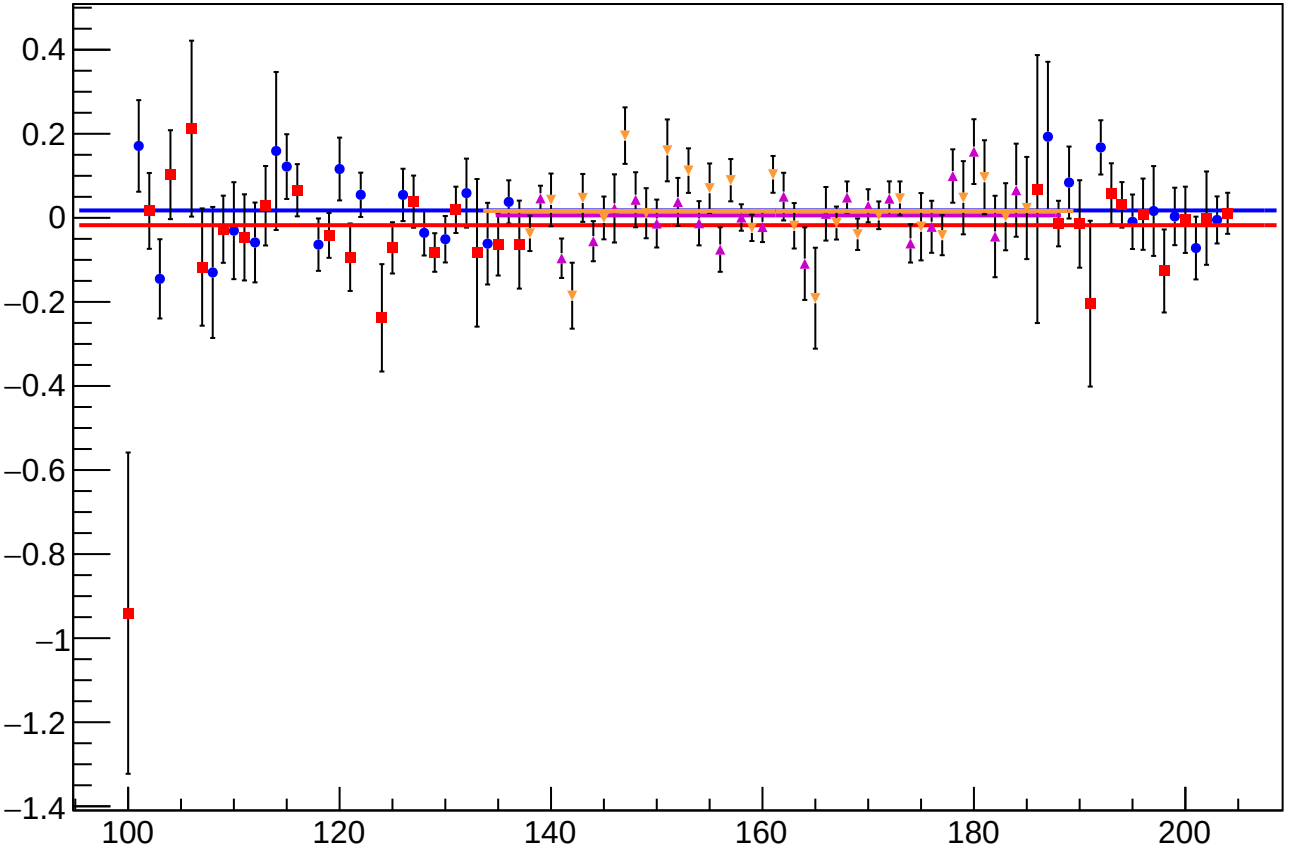
In: 0.000+/-0.000 χ^2/NDF:42.8/46

Out: 0.000+/-0.000 χ^2/NDF:84.8/54

All: 0.000+/-0.000 χ^2/NDF: 127.7/101


asym_sam_3726_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.01
0.009
0.008
0.007
0.006
0.005
0.004
0.003
0.002
0.001
100
120
140
160
180
200
Right In: 0.003+/-0.000 χ²/NDF: 3828463.3/23
Left Out: 0.002+/-0.000 χ²/NDF:1818891.6/24
Right Out: 0.003+/-0.000 χ²/NDF: 3129855.9/29
Left In: 0.002+/-0.000 χ²/NDF:2020314.6/22
Left: 0.002+/-0.000 χ²/NDF: 3859926.5/47
Right: 0.003+/-0.000 χ²/NDF: 7101060.8/53
In: 0.002+/-0.000 χ²/NDF:5999454.3/46
Out: 0.002+/-0.000 χ²/NDF:5856503.9/54
All: 0.002+/-0.000 χ²/NDF: 11859377.2/101

asym_sam_3726_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.018+/-0.015 χ^2/NDF: 25.7/23

Left Out: 0.016+/-0.010 χ^2/NDF:41.1/24

Right Out: -0.017+/-0.014 χ^2/NDF: 24.5/29

Left In: 0.006+/-0.010 χ^2/NDF:26.0/22

Left: 0.011+/-0.007 χ^2/NDF: 67.5/47

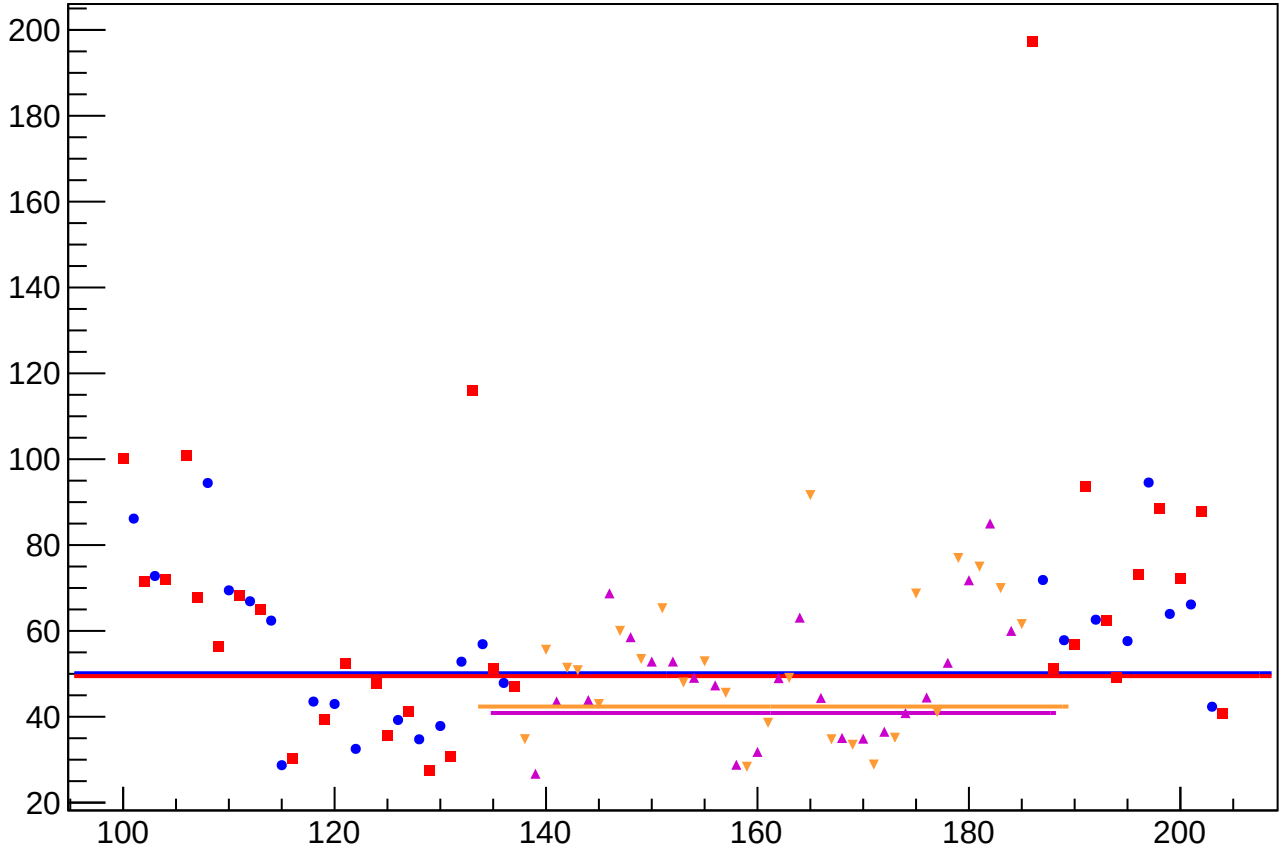
Right: -0.001+/-0.010 χ^2/NDF: 53.2/53

In: 0.010+/-0.008 χ^2/NDF:52.1/46

Out: 0.005+/-0.008 χ^2/NDF:69.4/54

All: 0.007+/-0.006 χ^2/NDF: 121.7/101

asym_sam_3726_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 50.137+/-0.011 χ^2/NDF: 2086228.2/23

Left Out: 42.375+/-0.007 χ^2/NDF:3190999.9/24

Right Out: 49.466+/-0.010 χ^2/NDF: 3465790.0/29

Left In: 40.881+/-0.007 χ^2/NDF:2678344.3/22

Left: 41.623+/-0.005 χ^2/NDF: 5890324.4/47

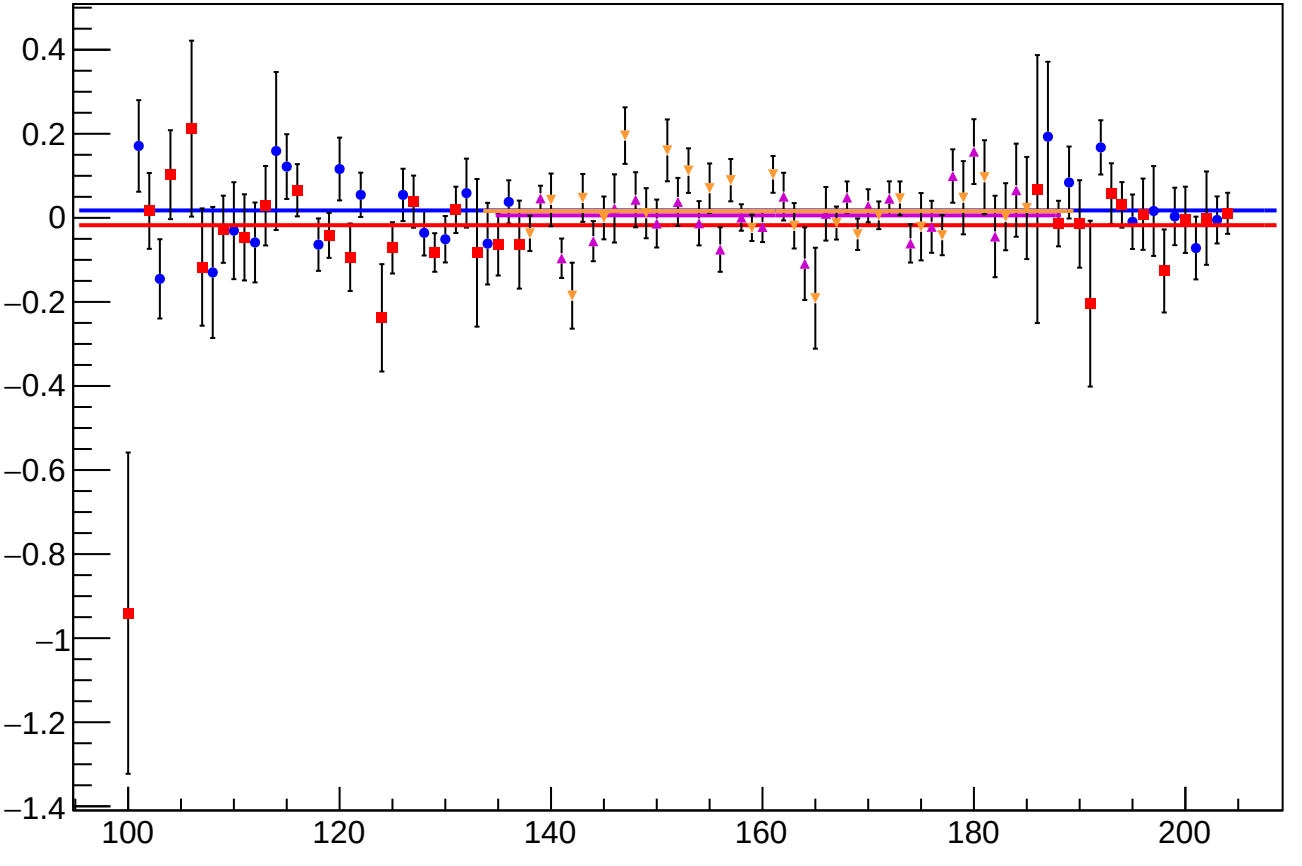
Right: 49.780+/-0.007 χ^2/NDF: 5554135.7/53

In: 43.832+/-0.006 χ^2/NDF:5281242.3/46

Out: 44.858+/-0.006 χ^2/NDF:6985662.9/54

All: 44.354+/-0.004 χ^2/NDF: 12281790.9/101

asym_sam_3726_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.018+/-0.015 χ^2/NDF: 25.7/23

Left Out: 0.016+/-0.010 χ^2/NDF:41.1/24

Right Out: -0.017+/-0.014 χ^2/NDF: 24.5/29

Left In: 0.006+/-0.010 χ^2/NDF:26.0/22

Left: 0.011+/-0.007 χ^2/NDF: 67.5/47

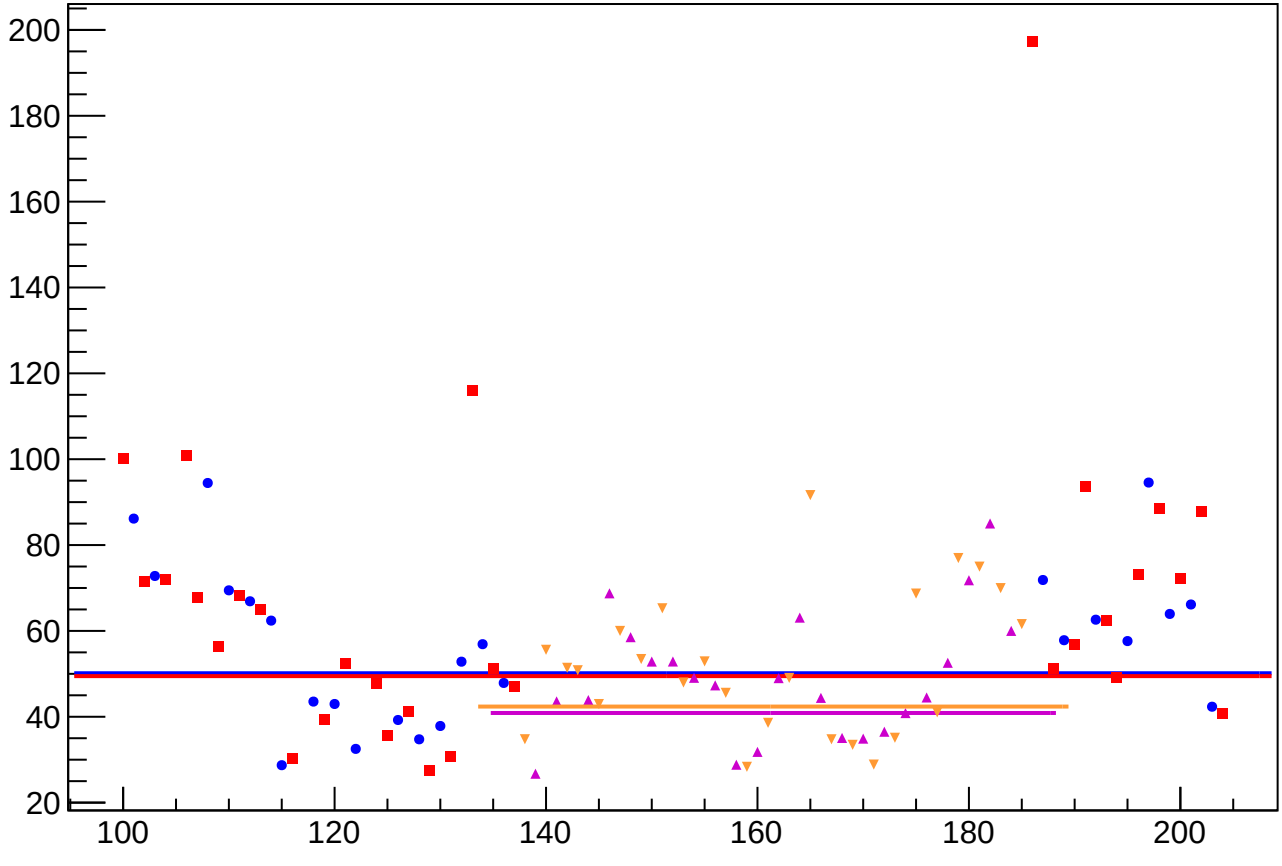
Right: -0.001+/-0.010 χ^2/NDF: 53.2/53

In: 0.010+/-0.008 χ^2/NDF:52.1/46

Out: 0.005+/-0.008 χ^2/NDF:69.4/54

All: 0.007+/-0.006 χ^2/NDF: 121.7/101

asym_sam_3726_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 50.137+/-0.011 χ^2/NDF: 2086228.2/23

Left Out: 42.375+/-0.007 χ^2/NDF:3190999.9/24

Right Out: 49.466+/-0.010 χ^2/NDF: 3465790.0/29

Left In: 40.881+/-0.007 χ^2/NDF:2678344.3/22

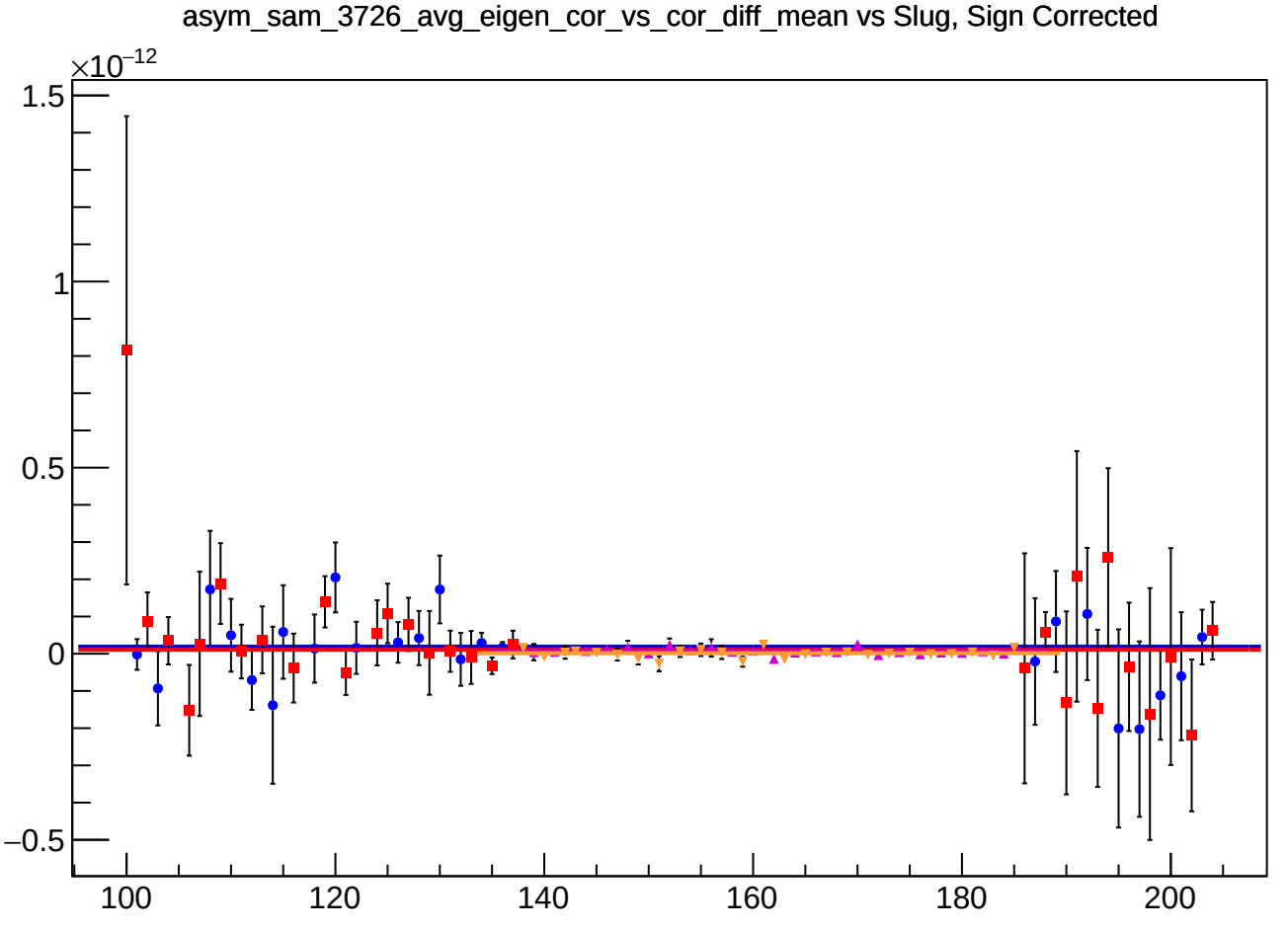
Left: 41.623+/-0.005 χ^2/NDF: 5890324.4/47

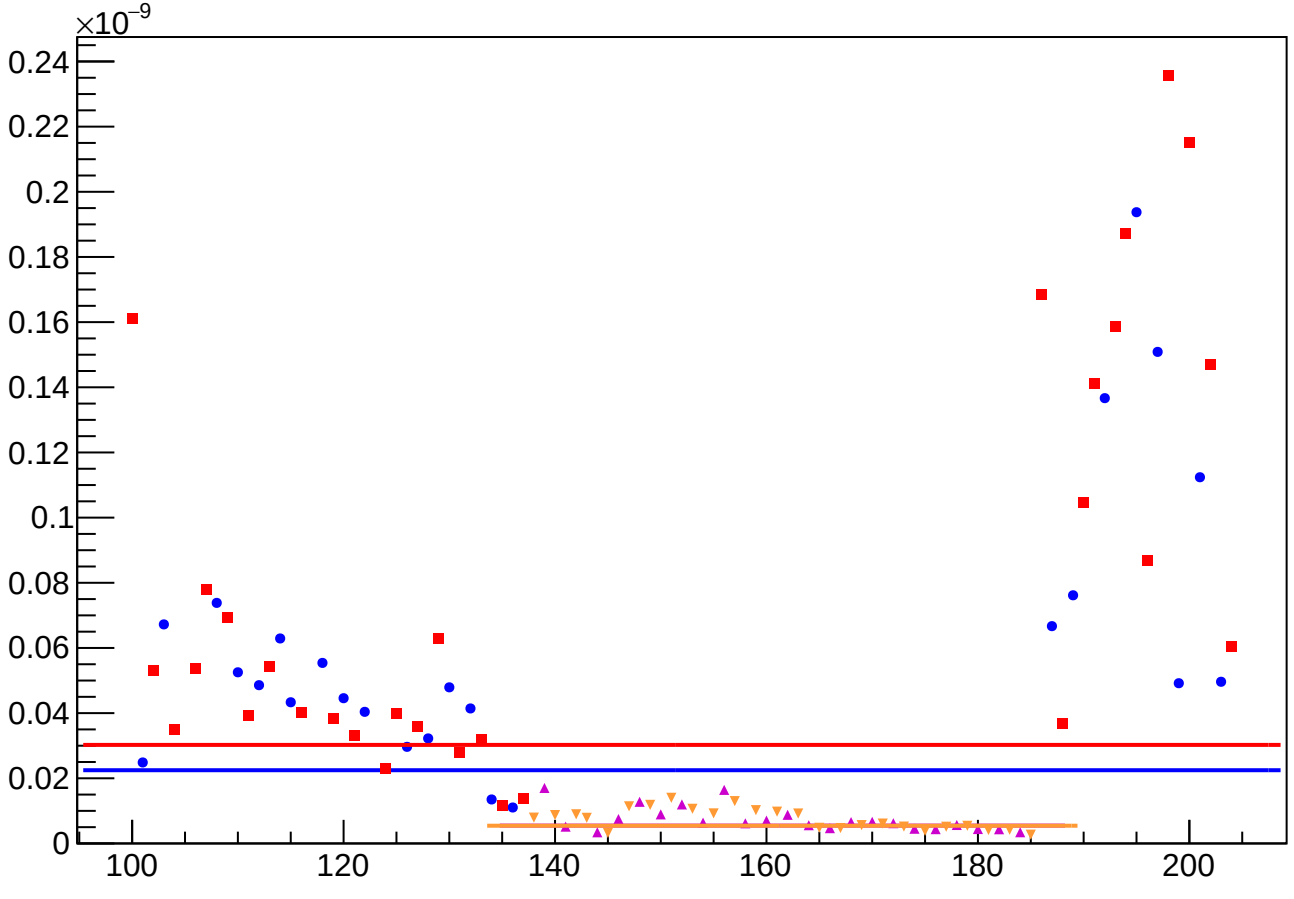
Right: 49.780+/-0.007 χ^2/NDF: 5554135.7/53

In: 43.832+/-0.006 χ^2/NDF:5281242.3/46

Out: 44.858+/-0.006 χ^2/NDF:6985662.9/54

All: 44.354+/-0.004 χ^2/NDF: 12281790.9/101


asym_sam_3726_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1.5
1
0.5
0
−0.5
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 15.5/23
Left Out: 0.000+/-0.000 χ²/NDF:19.7/24
Right Out: 0.000+/-0.000 χ²/NDF: 23.9/29
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: 39.6/53
In: 0.000+/-0.000 χ²/NDF:30.3/46
Out: 0.000+/-0.000 χ²/NDF:44.0/54
All: 0.000+/-0.000 χ²/NDF: 76.9/101



Right In: 0.000+/-0.000 χ^2/NDF: 6984948.3/23

Left Out: 0.000+/-0.000 χ^2/NDF:3789045.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8095555.3/29

Left In: 0.000+/-0.000 χ^2/NDF:2801443.3/22

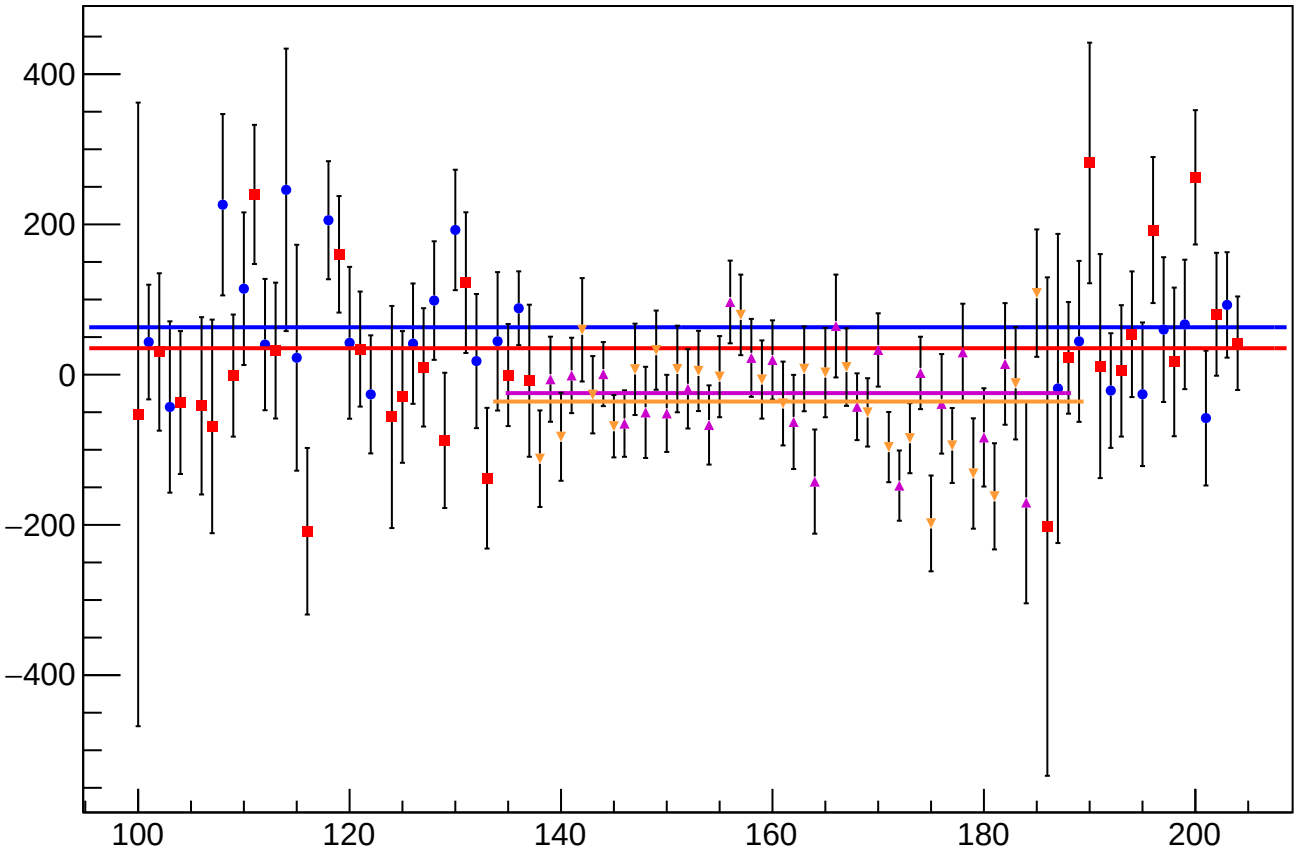
Left: 0.000+/-0.000 χ^2/NDF: 6590870.1/47

Right: 0.000+/-0.000 χ^2/NDF: 15503137.0/53

In: 0.000+/-0.000 χ^2/NDF:14537692.2/46

Out: 0.000+/-0.000 χ^2/NDF:19108563.0/54

All: 0.000+/-0.000 χ^2/NDF: 33646899.3/101



Right In: 63.104+/-17.874 χ^2/NDF: 16.4/23

Left Out: -35.787+/-11.119 χ^2/NDF:33.7/24

Right Out: 35.186+/-17.079 χ^2/NDF: 34.3/29

Left In: -24.572+/-11.471 χ^2/NDF:25.7/22

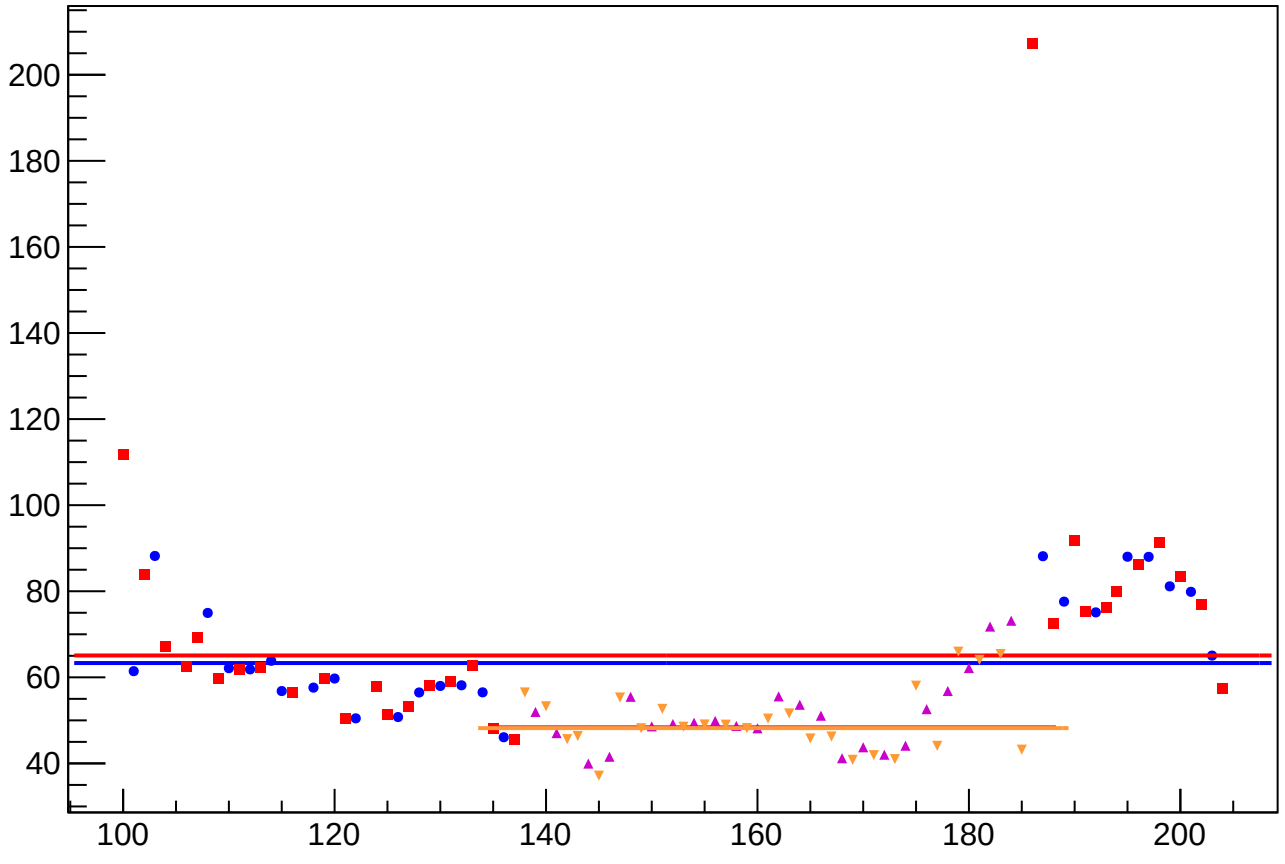
Left: -30.354+/-7.984 χ^2/NDF: 59.9/47

Right: 48.510+/-12.348 χ^2/NDF: 52.0/53

In: 1.004+/-9.654 χ^2/NDF:59.2/46

Out: -14.658+/-9.318 χ^2/NDF:80.1/54

All: -7.104+/-6.705 χ^2/NDF: 140.7/101



Right In: 63.320+/-0.013 χ^2/NDF: 1054622.8/23

Left Out: 48.198+/-0.008 χ^2/NDF:780285.2/24

Right Out: 65.078+/-0.012 χ^2/NDF: 1458444.4/29

Left In: 48.381+/-0.008 χ^2/NDF:695381.8/22

Left: 48.287+/-0.006 χ^2/NDF: 1475927.4/47

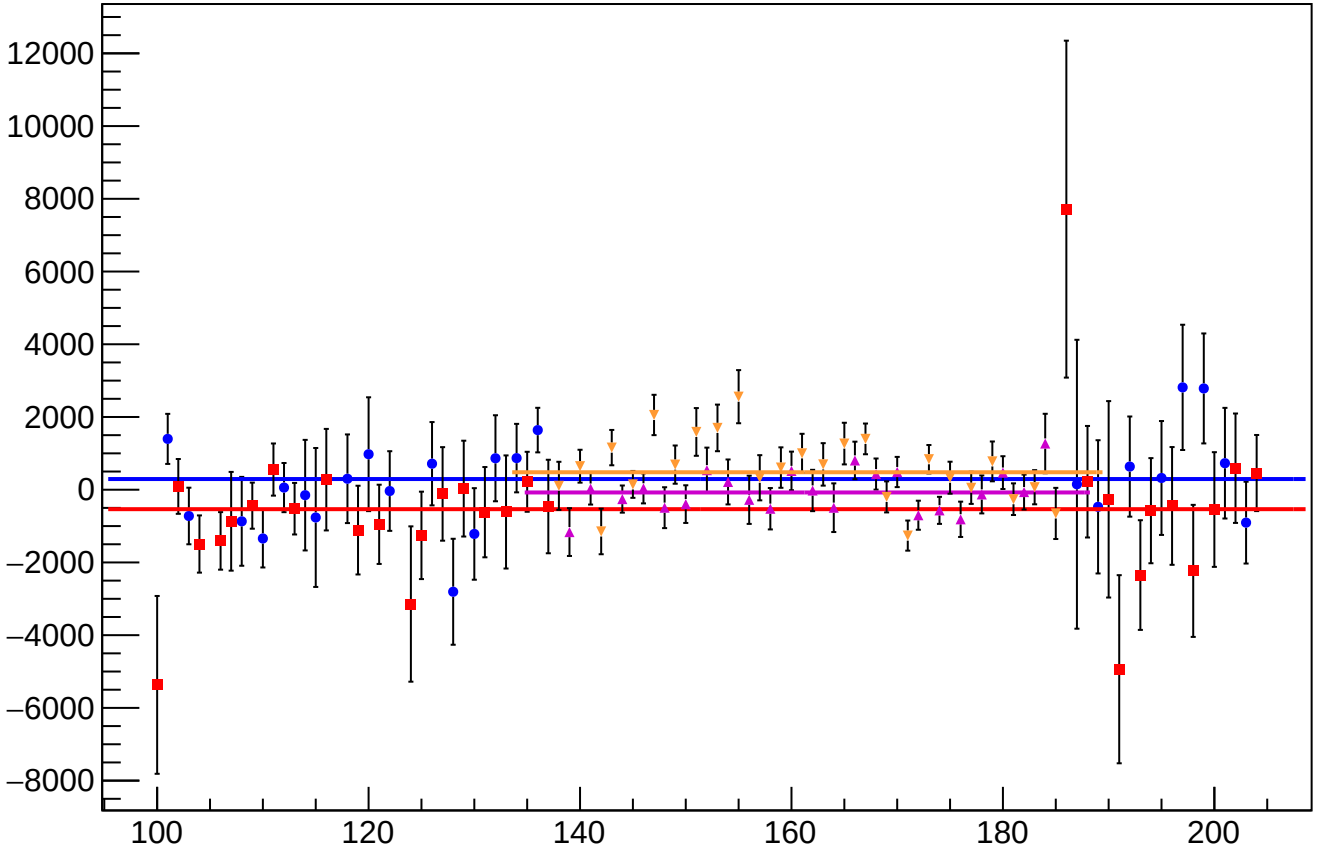
Right: 64.239+/-0.009 χ^2/NDF: 2523179.2/53

In: 52.739+/-0.007 χ^2/NDF:2739544.8/46

Out: 53.223+/-0.007 χ^2/NDF:3610719.9/54

All: 52.989+/-0.005 χ^2/NDF: 6352874.8/101

asym_sam_15_48_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 293.613+/-220.979 χ^2/NDF: 28.0/23

Left Out: 480.215+/-100.526 χ^2/NDF:69.2/24

Right Out: -535.036+/-206.357 χ^2/NDF: 23.5/29

Left In: -75.662+/-103.128 χ^2/NDF:24.5/22

Left: 209.379+/-71.985 χ^2/NDF: 108.6/47

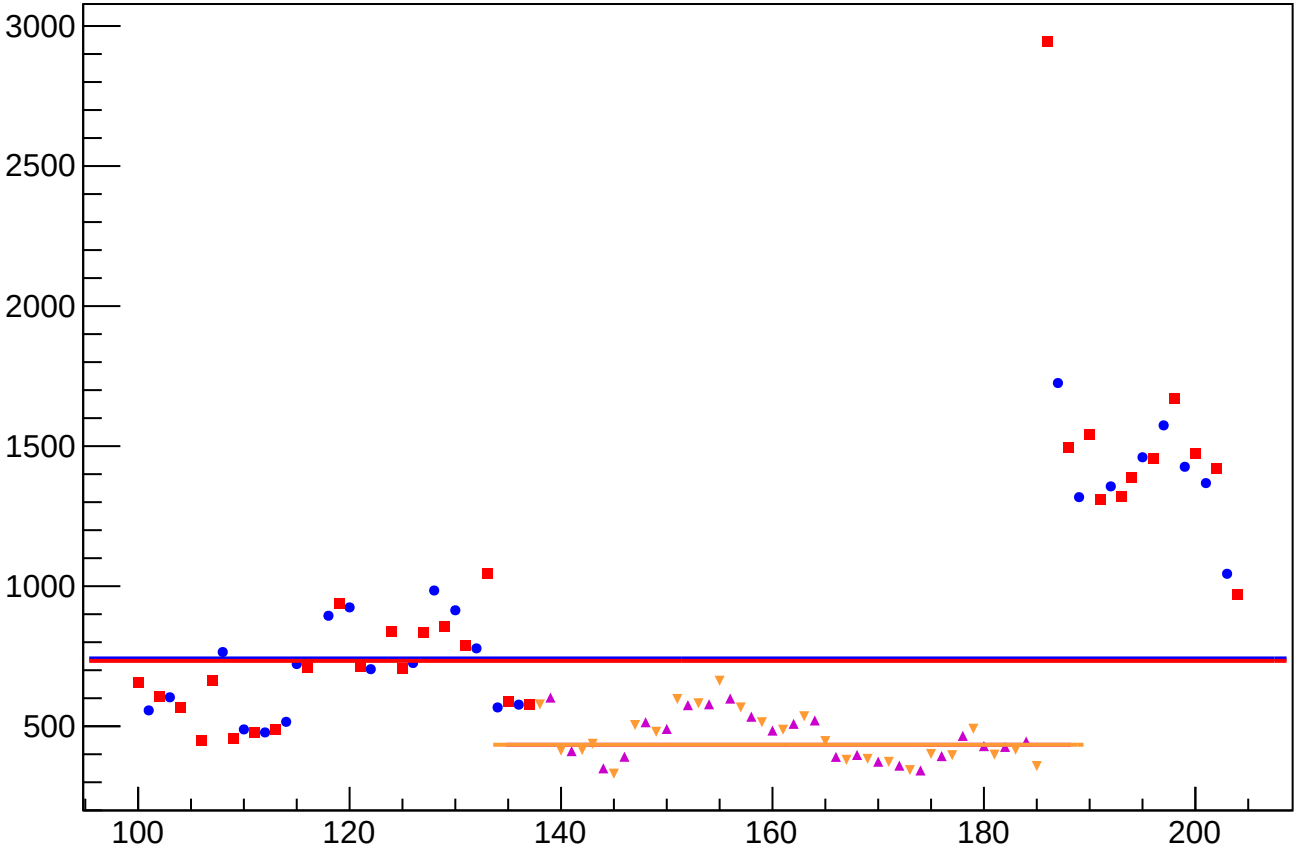
Right: -149.031+/-150.821 χ^2/NDF: 59.0/53

In: -9.619+/-93.452 χ^2/NDF:54.8/46

Out: 285.496+/-90.373 χ^2/NDF:112.3/54

All: 142.881+/-64.965 χ^2/NDF: 172.2/101

asym_sam_15_48_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 741.988+/-0.156 χ^2/NDF: 3629628.7/23

Left Out: 433.945+/-0.071 χ^2/NDF:1243704.6/24

Right Out: 733.437+/-0.146 χ^2/NDF: 5389698.5/29

Left In: 433.722+/-0.073 χ^2/NDF:1094788.8/22

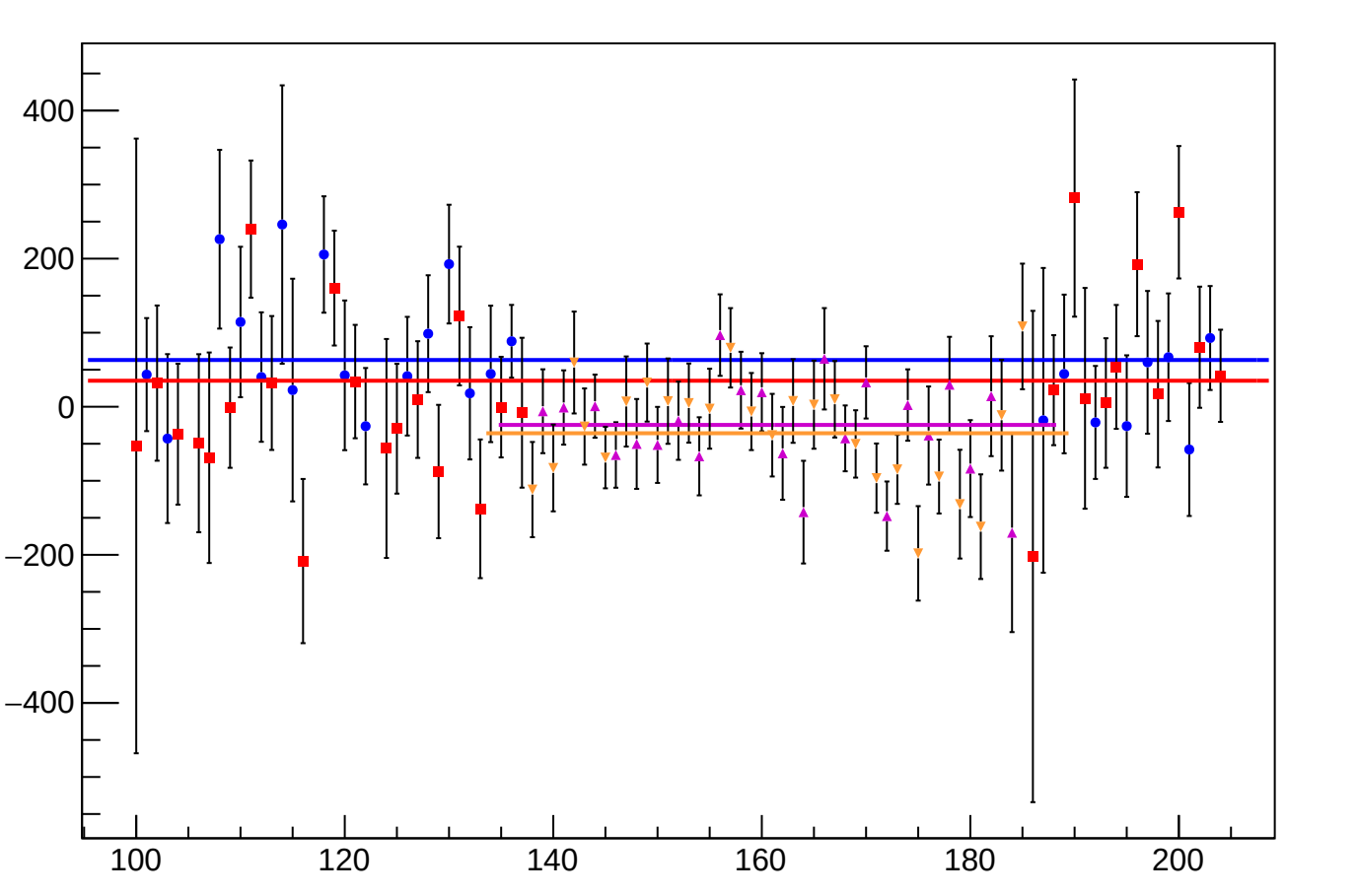
Left: 433.836+/-0.051 χ^2/NDF: 2338498.1/47

Right: 737.420+/-0.107 χ^2/NDF: 9020927.1/53

In: 488.854+/-0.066 χ^2/NDF:7920415.4/46

Out: 491.386+/-0.064 χ^2/NDF:10038119.9/54

All: 490.162+/-0.046 χ^2/NDF: 17959294.0/10



Right In: 63.107+/-17.874 χ^2/NDF: 16.5/23

Left Out: -35.792+/-11.119 χ^2/NDF:33.7/24

Right Out: 35.134+/-17.085 χ^2/NDF: 34.3/29

Left In: -24.573+/-11.471 χ^2/NDF:25.7/22

Left: -30.357+/-7.984 χ^2/NDF: 59.9/47

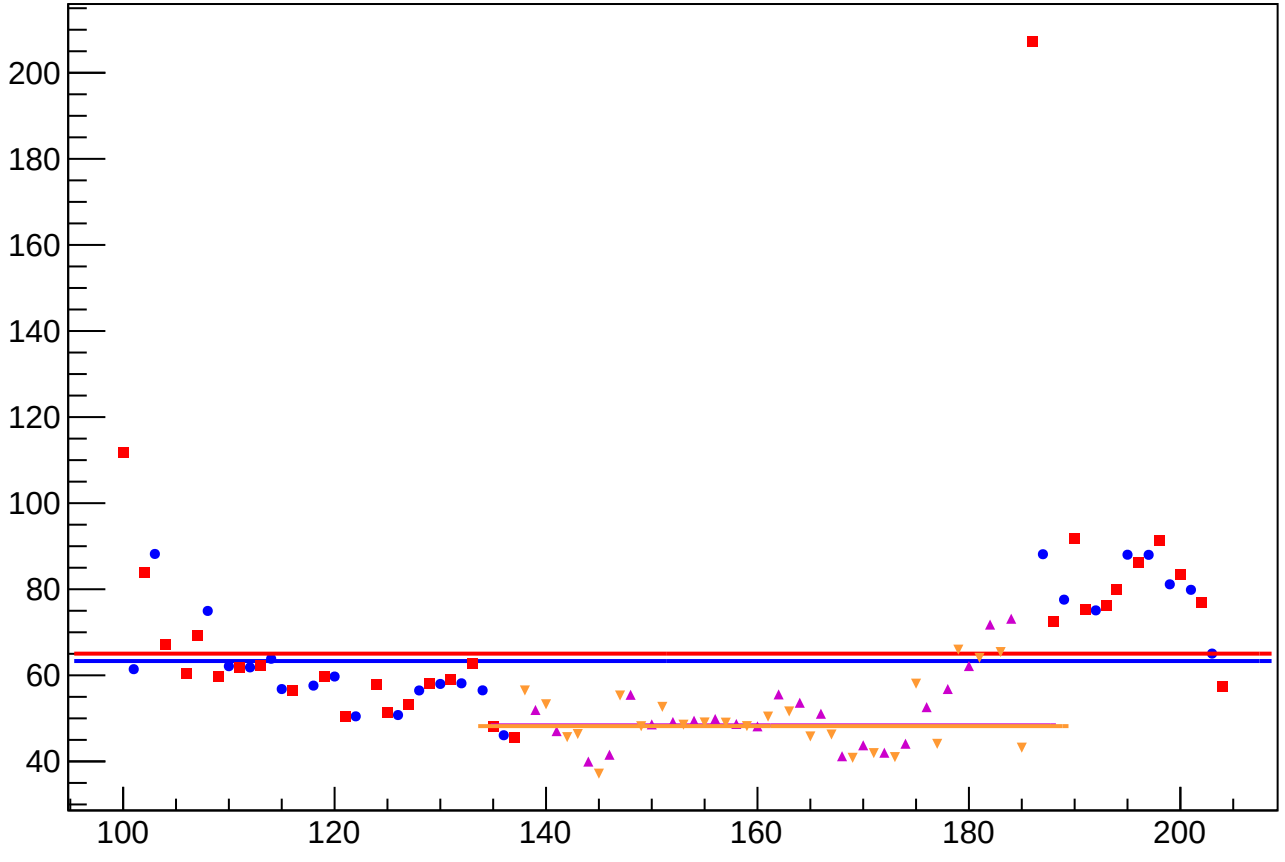
Right: 48.490+/-12.351 χ^2/NDF: 52.1/53

In: 1.004+/-9.654 χ^2/NDF:59.2/46

Out: -14.689+/-9.320 χ^2/NDF:80.1/54

All: -7.119+/-6.705 χ^2/NDF: 140.7/101

cor_asym_sam_15_48_dd_rms vs Slug, Sign Corrected



Right In: 63.320+/-0.013 χ^2/NDF: 1054626.1/23

Left Out: 48.198+/-0.008 χ^2/NDF:780285.2/24

Right Out: 65.039+/-0.012 χ^2/NDF: 1460646.7/29

Left In: 48.381+/-0.008 χ^2/NDF:695381.8/22

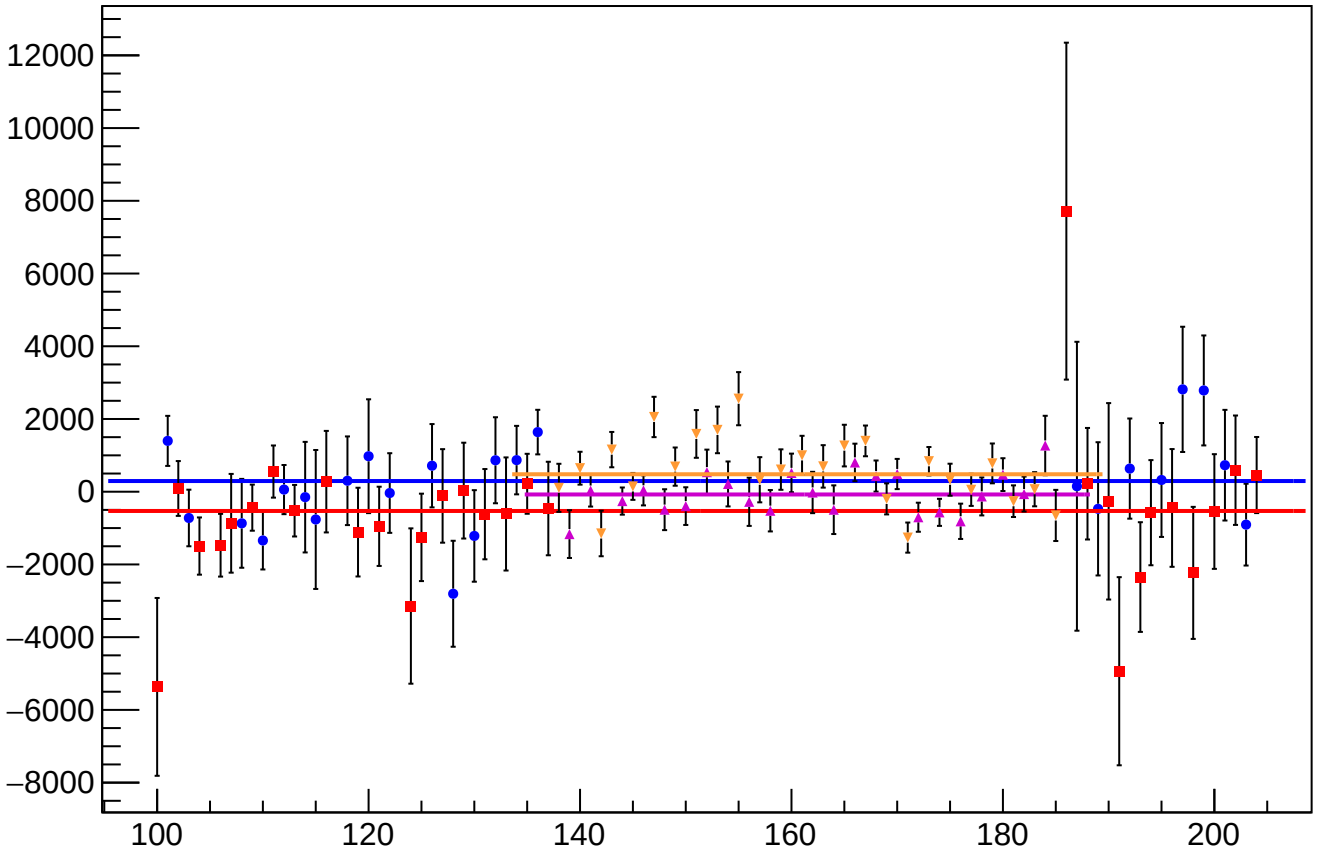
Left: 48.287+/-0.006 χ^2/NDF: 1475927.4/47

Right: 64.218+/-0.009 χ^2/NDF: 2524940.7/53

In: 52.739+/-0.007 χ^2/NDF:2739548.8/46

Out: 53.209+/-0.007 χ^2/NDF:3605884.7/54

All: 52.982+/-0.005 χ^2/NDF: 6347891.7/101



Right In: 293.644+/-220.980 χ^2/NDF: 28.0/23

Left Out: 480.210+/-100.526 χ^2/NDF:69.2/24

Right Out: -529.457+/-207.487 χ^2/NDF: 23.4/29

Left In: -75.665+/-103.128 χ^2/NDF:24.5/22

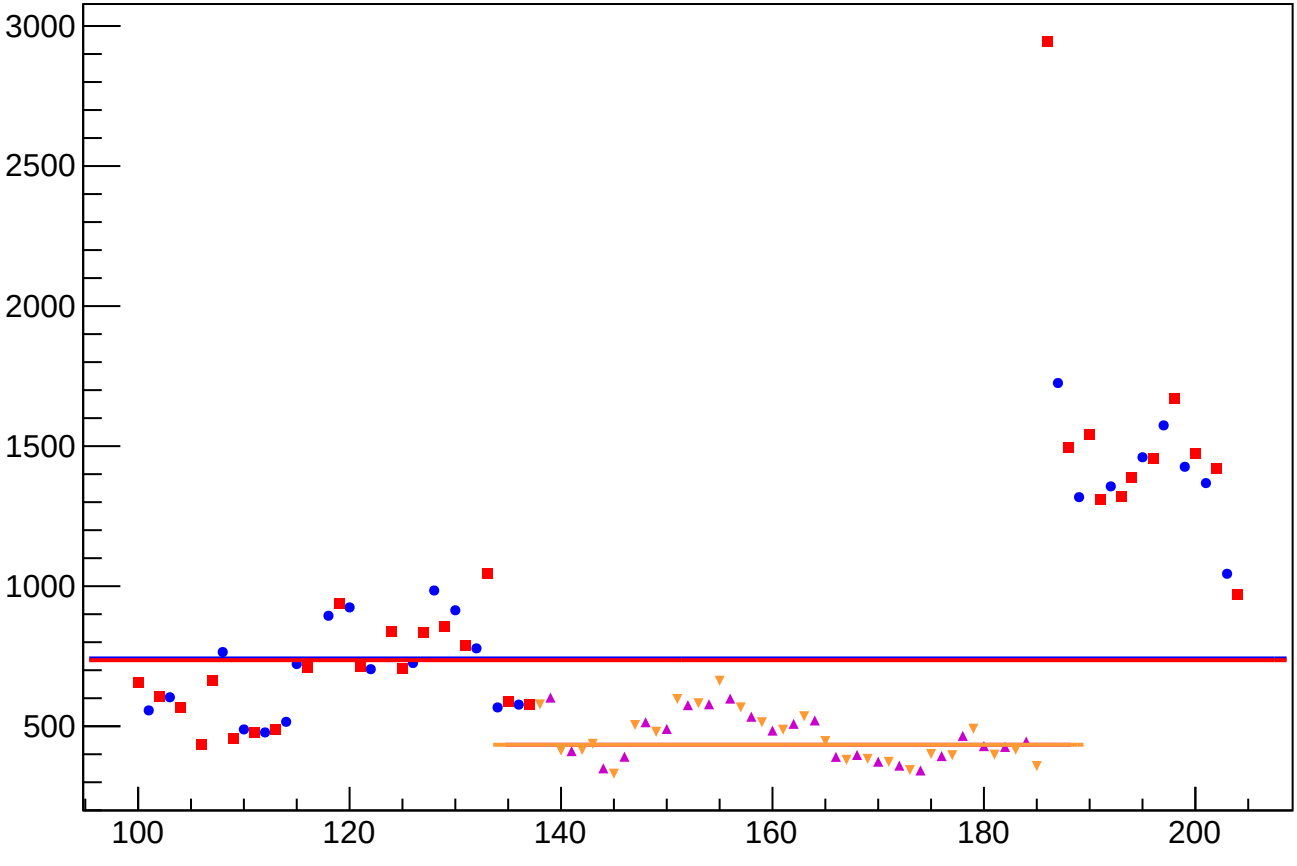
Left: 209.376+/-71.985 χ^2/NDF: 108.6/47

Right: -143.801+/-151.261 χ^2/NDF: 58.8/53

In: -9.616+/-93.452 χ^2/NDF:54.8/46

Out: 288.266+/-90.467 χ^2/NDF:111.8/54

All: 144.159+/-65.000 χ^2/NDF: 171.9/101



Right In: 741.994+/-0.156 χ^2/NDF: 3629577.8/23

Left Out: 433.945+/-0.071 χ^2/NDF:1243702.1/24

Right Out: 735.823+/-0.147 χ^2/NDF: 5368459.0/29

Left In: 433.722+/-0.073 χ^2/NDF:1094788.4/22

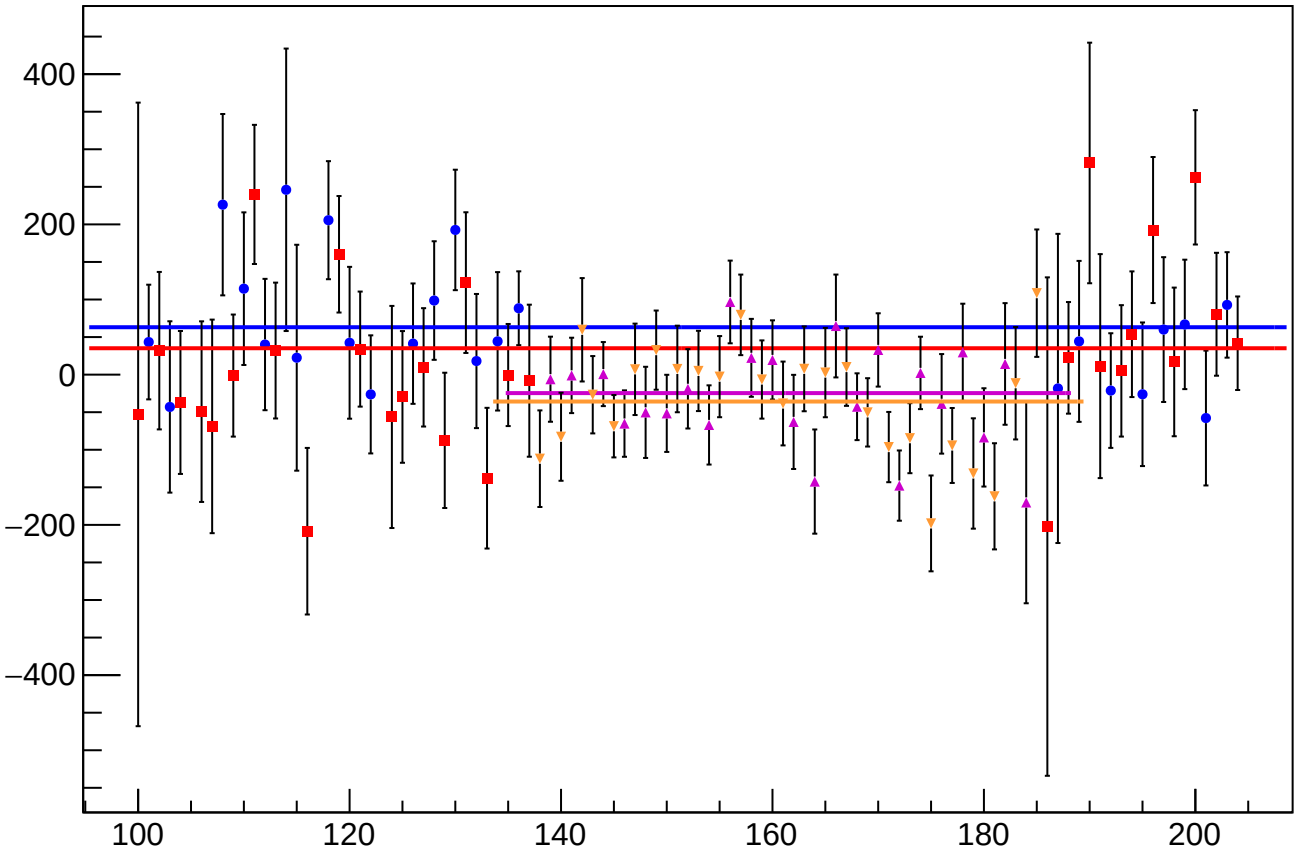
Left: 433.836+/-0.051 χ^2/NDF: 2338495.3/47

Right: 738.714+/-0.107 χ^2/NDF: 8998865.6/53

In: 488.854+/-0.066 χ^2/NDF:7920440.3/46

Out: 491.334+/-0.064 χ^2/NDF:10040921.5/54

All: 490.135+/-0.046 χ^2/NDF: 17962088.7/10



Right In: 63.107+/-17.874 χ^2/NDF: 16.5/23

Left Out: -35.792+/-11.119 χ^2/NDF:33.7/24

Right Out: 35.134+/-17.085 χ^2/NDF: 34.3/29

Left In: -24.573+/-11.471 χ^2/NDF:25.7/22

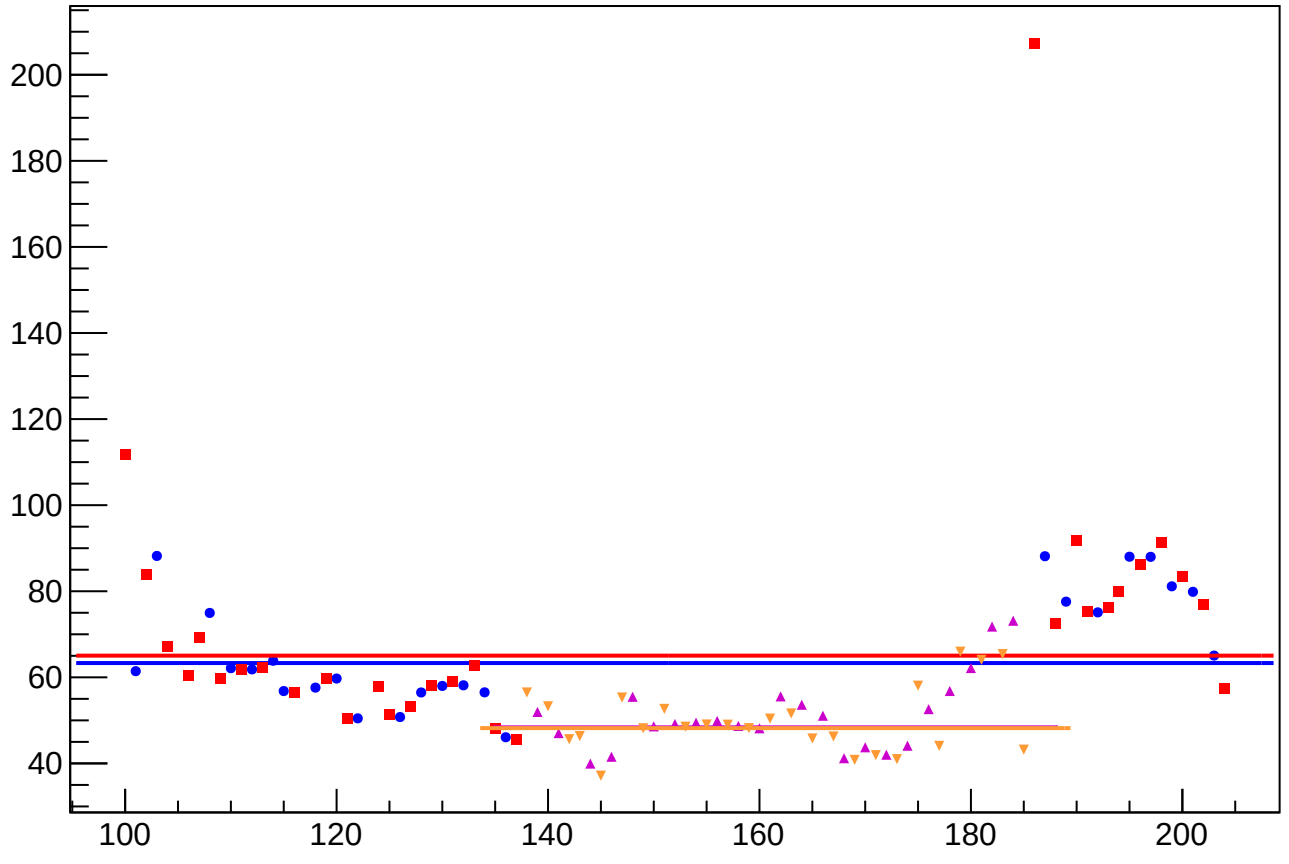
Left: -30.357+/-7.984 χ^2/NDF: 59.9/47

Right: 48.490+/-12.351 χ^2/NDF: 52.1/53

In: 1.004+/-9.654 χ^2/NDF:59.2/46

Out: -14.689+/-9.320 χ^2/NDF:80.1/54

All: -7.119+/-6.705 χ^2/NDF: 140.7/101



Right In: 63.320+/-0.013 χ^2/NDF: 1054626.1/23

Left Out: 48.198+/-0.008 χ^2/NDF:780285.2/24

Right Out: 65.039+/-0.012 χ^2/NDF: 1460646.7/29

Left In: 48.381+/-0.008 χ^2/NDF:695381.8/22

Left: 48.287+/-0.006 χ^2/NDF: 1475927.4/47

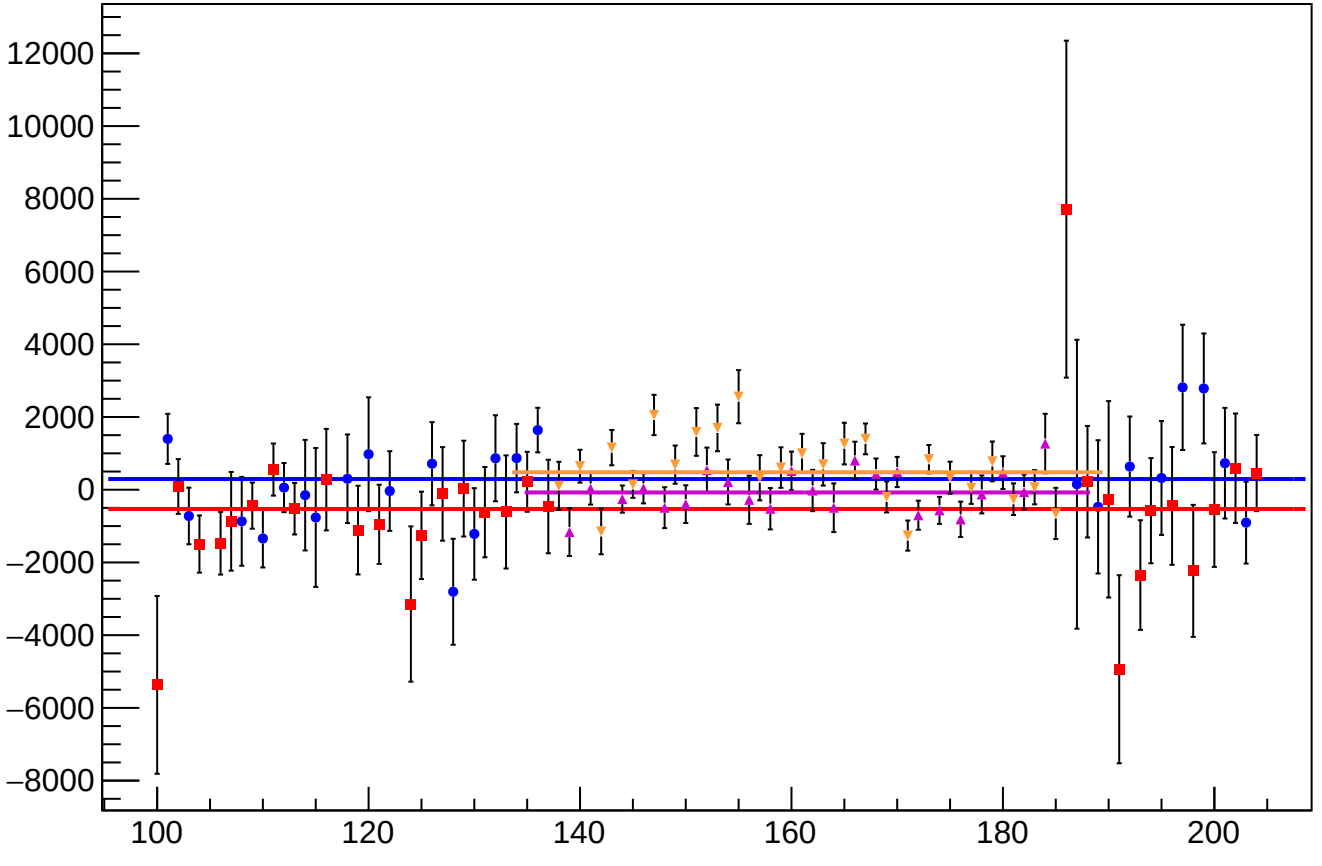
Right: 64.218+/-0.009 χ^2/NDF: 2524940.7/53

In: 52.739+/-0.007 χ^2/NDF:2739548.8/46

Out: 53.209+/-0.007 χ^2/NDF:3605884.7/54

All: 52.982+/-0.005 χ^2/NDF: 6347891.7/101

asym_sam_15_48_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 293.644+/-220.980 χ^2/NDF: 28.0/23

Left Out: 480.210+/-100.526 χ^2/NDF:69.2/24

Right Out: -529.457+/-207.487 χ^2/NDF: 23.4/29

Left In: -75.665+/-103.128 χ^2/NDF:24.5/22

Left: 209.376+/-71.985 χ^2/NDF: 108.6/47

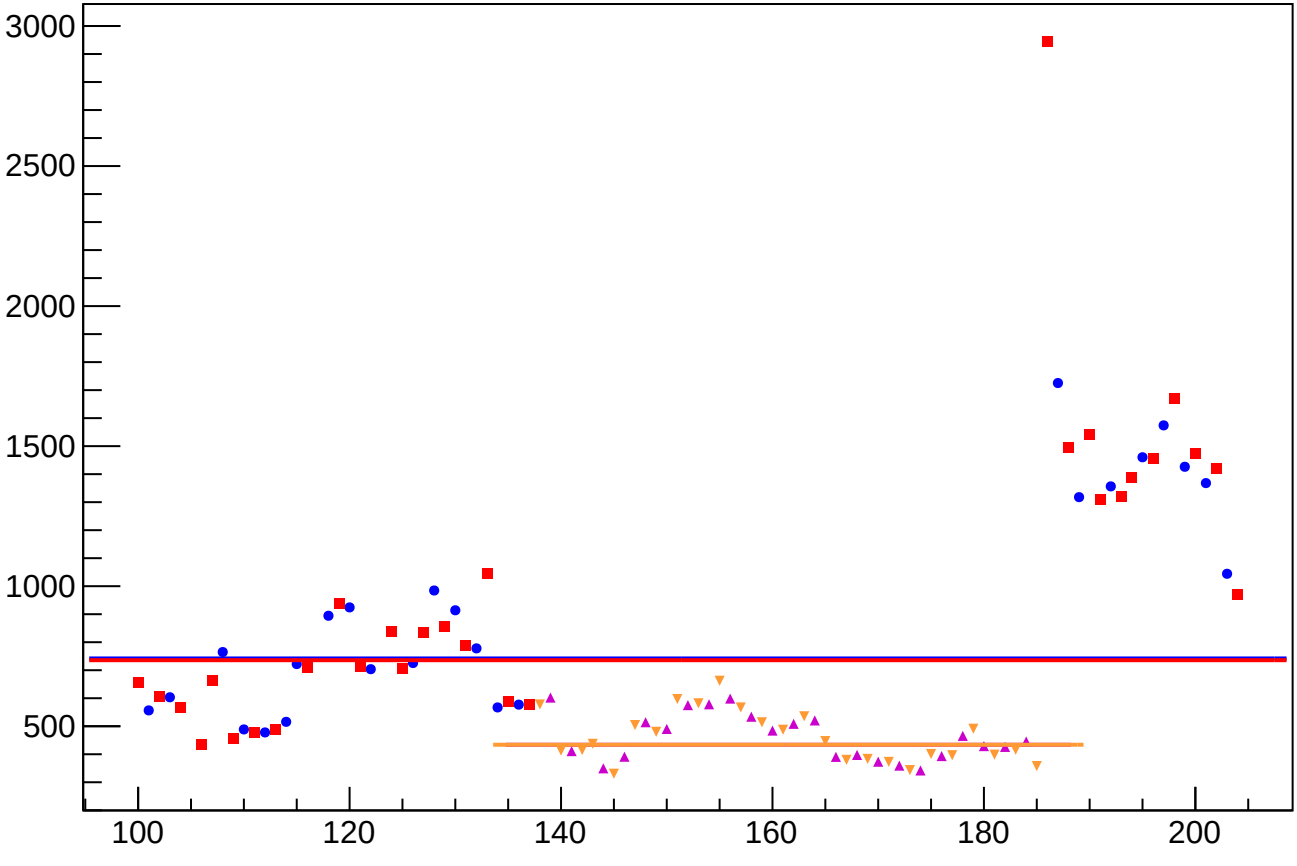
Right: -143.801+/-151.261 χ^2/NDF: 58.8/53

In: -9.616+/-93.452 χ^2/NDF:54.8/46

Out: 288.266+/-90.467 χ^2/NDF:111.8/54

All: 144.159+/-65.000 χ^2/NDF: 171.9/101

asym_sam_15_48_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 741.994+/-0.156 χ^2/NDF: 3629577.8/23

Left Out: 433.945+/-0.071 χ^2/NDF:1243702.1/24

Right Out: 735.823+/-0.147 χ^2/NDF: 5368459.0/29

Left In: 433.722+/-0.073 χ^2/NDF:1094788.4/22

Left: 433.836+/-0.051 χ^2/NDF: 2338495.3/47

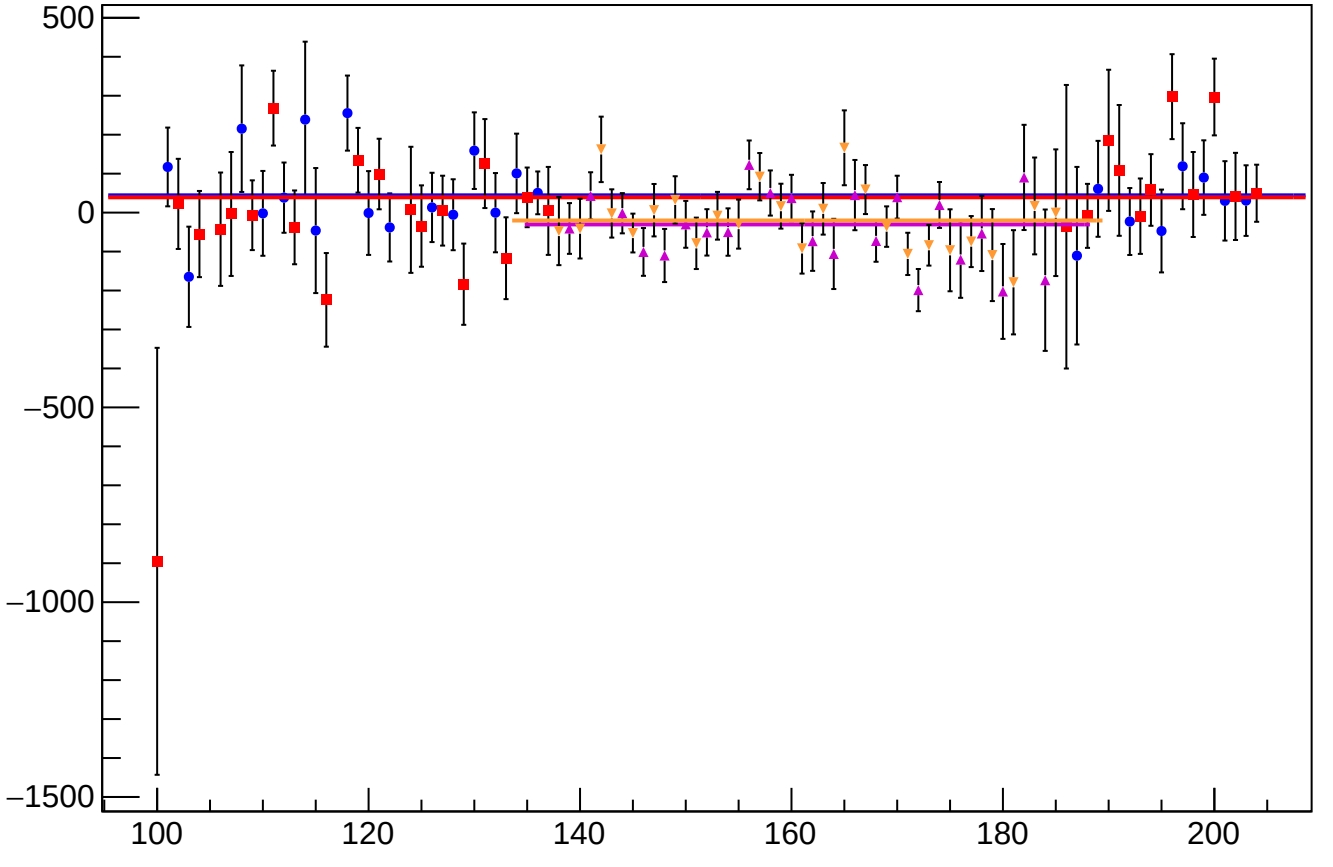
Right: 738.714+/-0.107 χ^2/NDF: 8998865.6/53

In: 488.854+/-0.066 χ^2/NDF:7920440.3/46

Out: 491.334+/-0.064 χ^2/NDF:10040921.5/54

All: 490.135+/-0.046 χ^2/NDF: 17962088.7/10

dit_asym_sam_15_48_dd_mean vs Slug, Sign Corrected



Right In: 44.291+/-20.473 χ^2/NDF: 16.4/23

Left Out: -20.270+/-13.636 χ^2/NDF:25.1/24

Right Out: 39.276+/-19.337 χ^2/NDF: 39.3/29

Left In: -30.318+/-13.979 χ^2/NDF:32.6/22

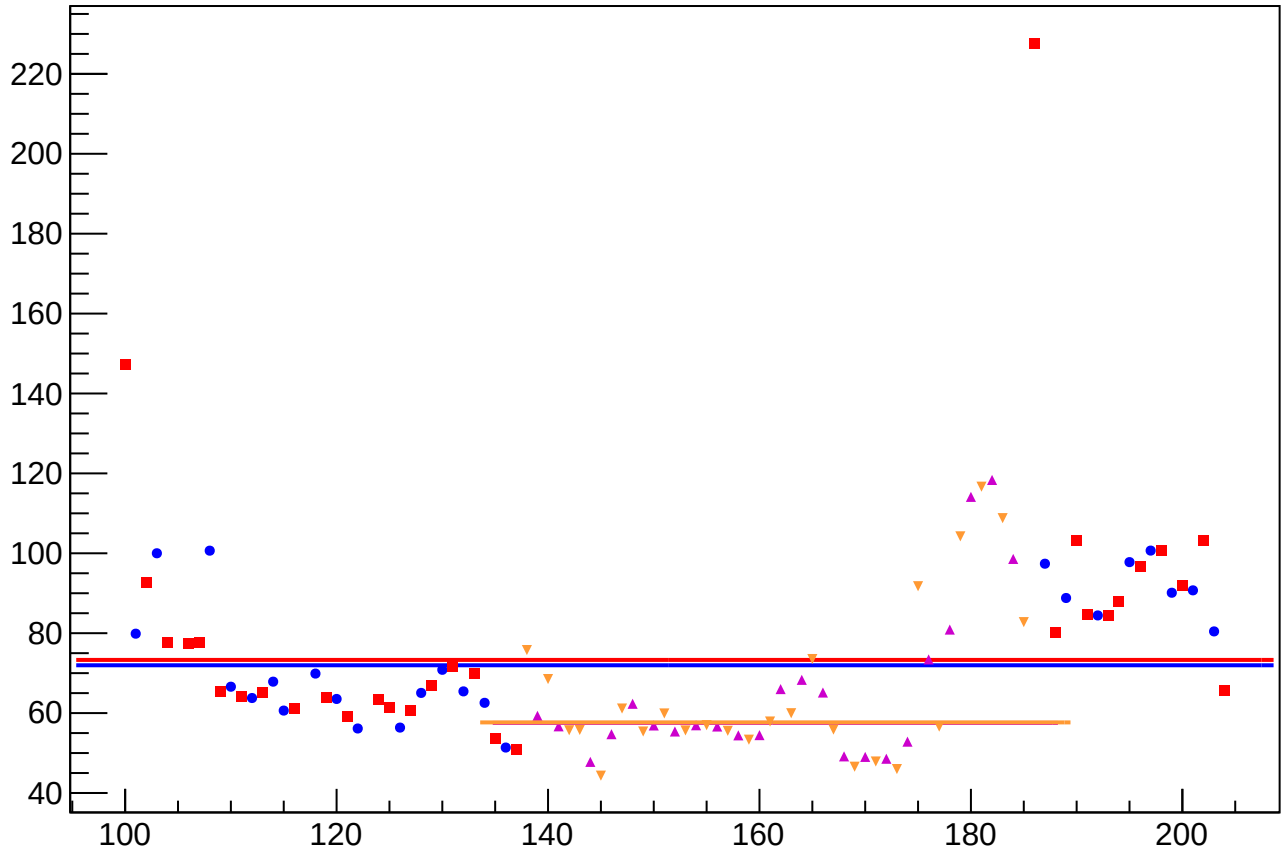
Left: -25.169+/-9.761 χ^2/NDF: 58.0/47

Right: 41.640+/-14.058 χ^2/NDF: 55.8/53

In: -6.595+/-11.544 χ^2/NDF:58.1/46

Out: -0.492+/-11.144 χ^2/NDF:70.8/54

All: -3.436+/-8.018 χ^2/NDF: 129.0/101



Right In: 71.969+/-0.014 χ^2/NDF: 1175350.3/23

Left Out: 57.668+/-0.010 χ^2/NDF:1909743.5/24

Right Out: 73.311+/-0.014 χ^2/NDF: 1503576.6/29

Left In: 57.539+/-0.010 χ^2/NDF:1443279.4/22

Left: 57.605+/-0.007 χ^2/NDF: 3353109.9/47

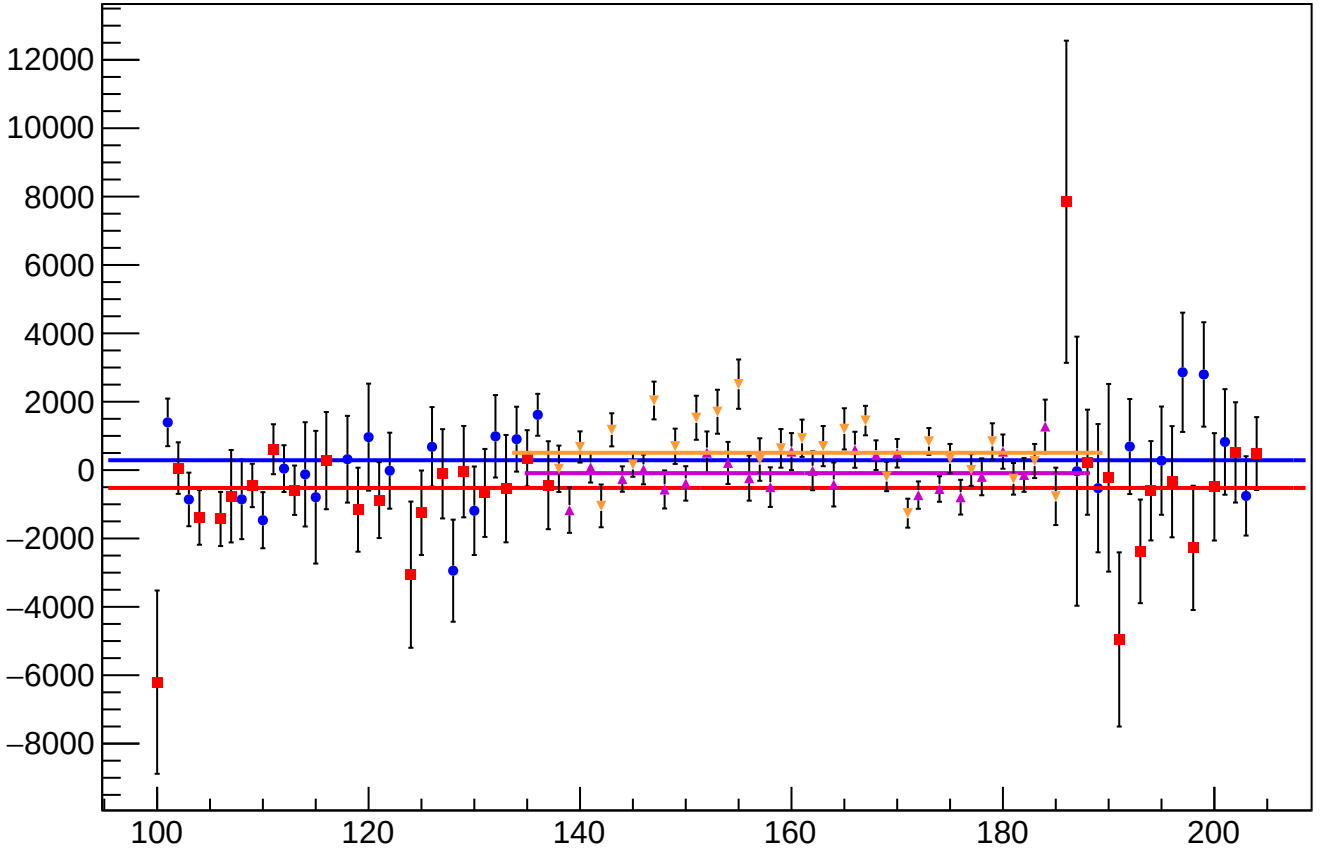
Right: 72.678+/-0.010 χ^2/NDF: 2683465.1/53

In: 62.127+/-0.008 χ^2/NDF:3296239.0/46

Out: 62.864+/-0.008 χ^2/NDF:4287417.1/54

All: 62.509+/-0.006 χ^2/NDF: 7587865.4/101

asym_sam_15_48_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 288.450+/-223.556 χ^2/NDF: 28.6/23

Left Out: 507.171+/-101.776 χ^2/NDF:65.8/24

Right Out: -522.102+/-208.285 χ^2/NDF: 24.1/29

Left In: -88.471+/-104.542 χ^2/NDF:23.3/22

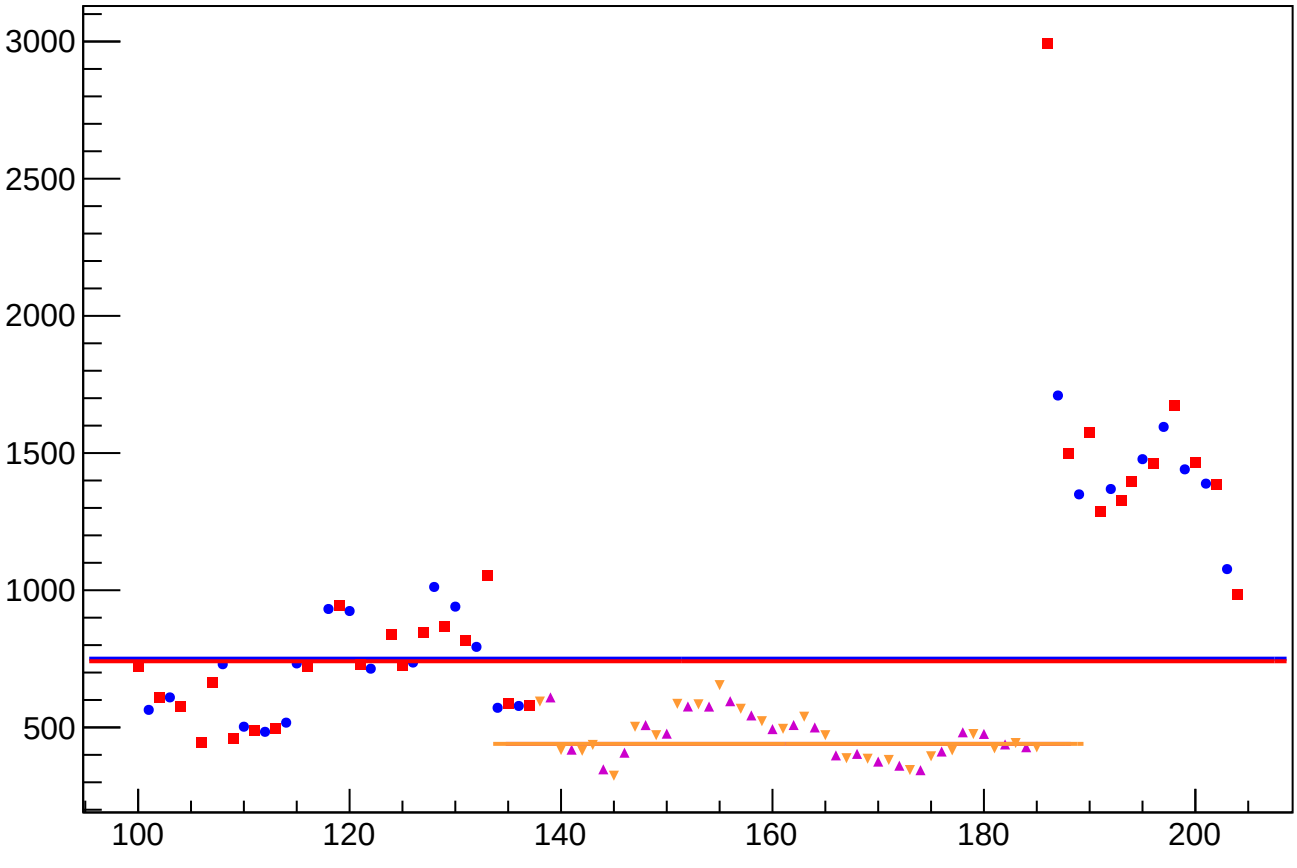
Left: 217.331+/-72.925 χ^2/NDF: 105.8/47

Right: -145.455+/-152.393 χ^2/NDF: 59.7/53

In: -20.837+/-94.699 χ^2/NDF:54.3/46

Out: 308.781+/-91.443 χ^2/NDF:109.6/54

All: 149.735+/-65.781 χ^2/NDF: 170.1/101



Right In: 750.597+/-0.158 χ^2/NDF: 3663066.4/23

Left Out: 440.075+/-0.072 χ^2/NDF:1196985.5/24

Right Out: 741.131+/-0.147 χ^2/NDF: 5340032.9/29

Left In: 439.877+/-0.074 χ^2/NDF:1061910.1/22

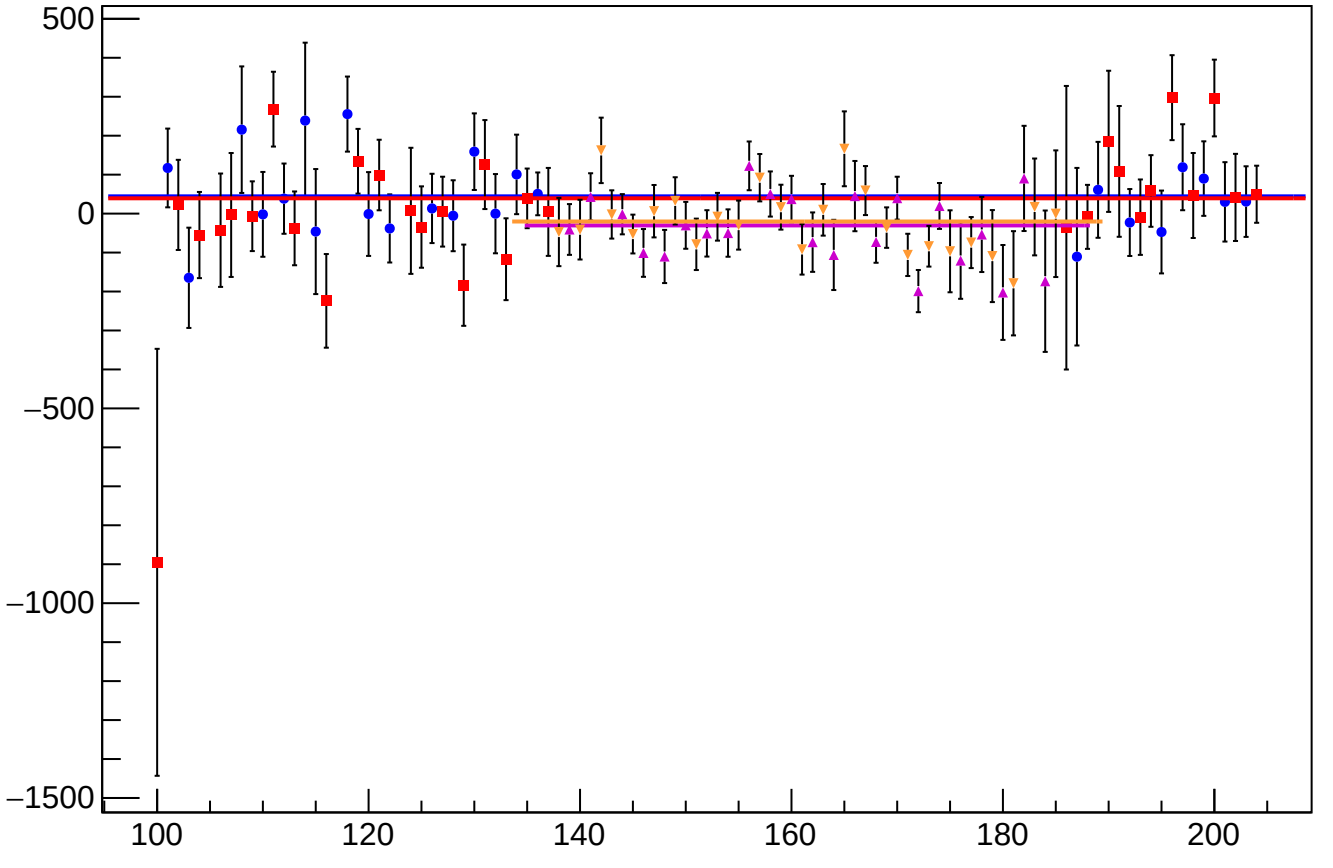
Left: 439.979+/-0.052 χ^2/NDF: 2258899.3/47

Right: 745.530+/-0.108 χ^2/NDF: 9005018.9/53

In: 495.632+/-0.067 χ^2/NDF:7895314.7/46

Out: 498.103+/-0.065 χ^2/NDF:9910042.2/54

All: 496.911+/-0.047 χ^2/NDF: 17806061.5/10



Right In: 44.289+/-20.473 χ^2/NDF: 16.4/23

Left Out: -20.271+/-13.636 χ^2/NDF:25.1/24

Right Out: 39.276+/-19.337 χ^2/NDF: 39.3/29

Left In: -30.318+/-13.979 χ^2/NDF:32.6/22

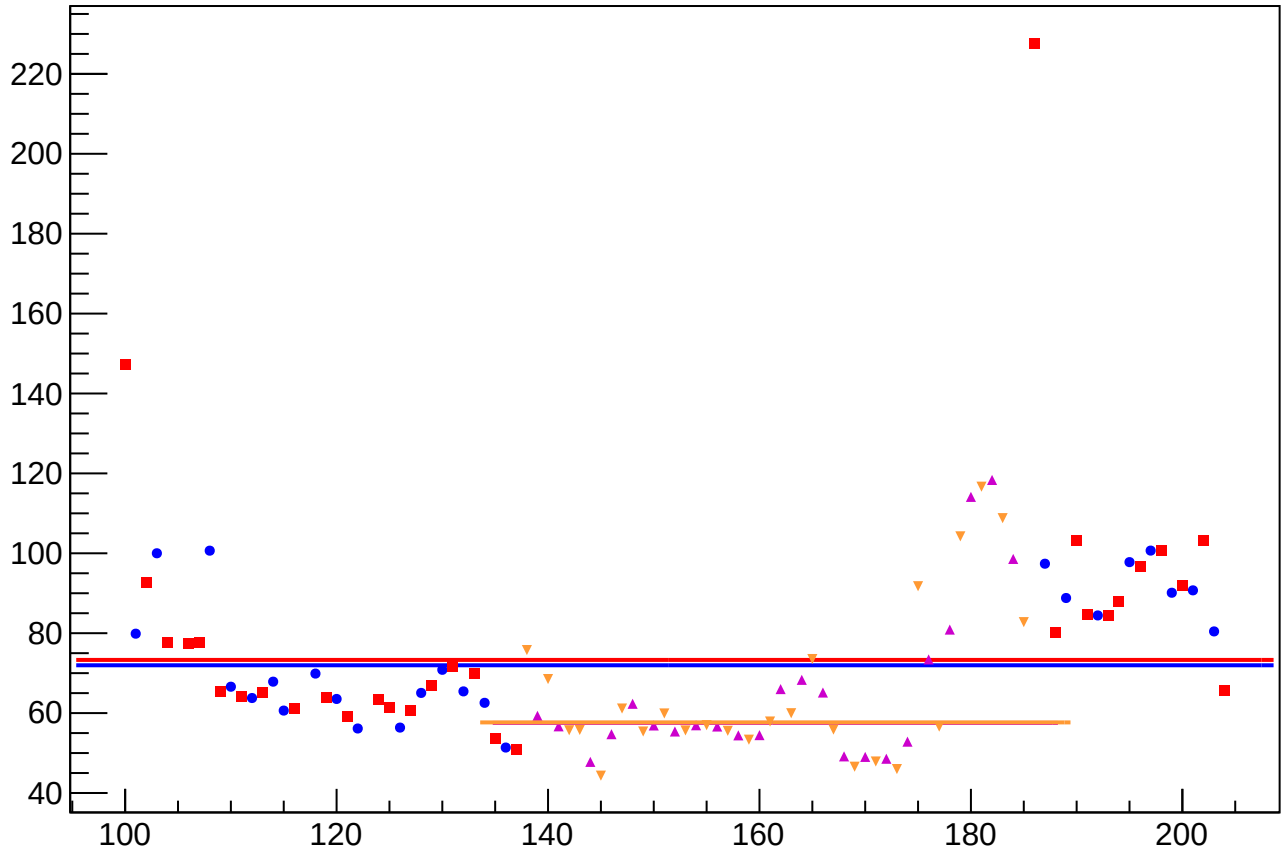
Left: -25.170+/-9.761 χ^2/NDF: 58.0/47

Right: 41.639+/-14.058 χ^2/NDF: 55.8/53

In: -6.596+/-11.544 χ^2/NDF:58.1/46

Out: -0.493+/-11.144 χ^2/NDF:70.8/54

All: -3.437+/-8.018 χ^2/NDF: 129.0/101



Right In: 71.969+/-0.014 χ^2/NDF: 1175341.4/23

Left Out: 57.668+/-0.010 χ^2/NDF:1909739.8/24

Right Out: 73.310+/-0.014 χ^2/NDF: 1503595.2/29

Left In: 57.539+/-0.010 χ^2/NDF:1443262.3/22

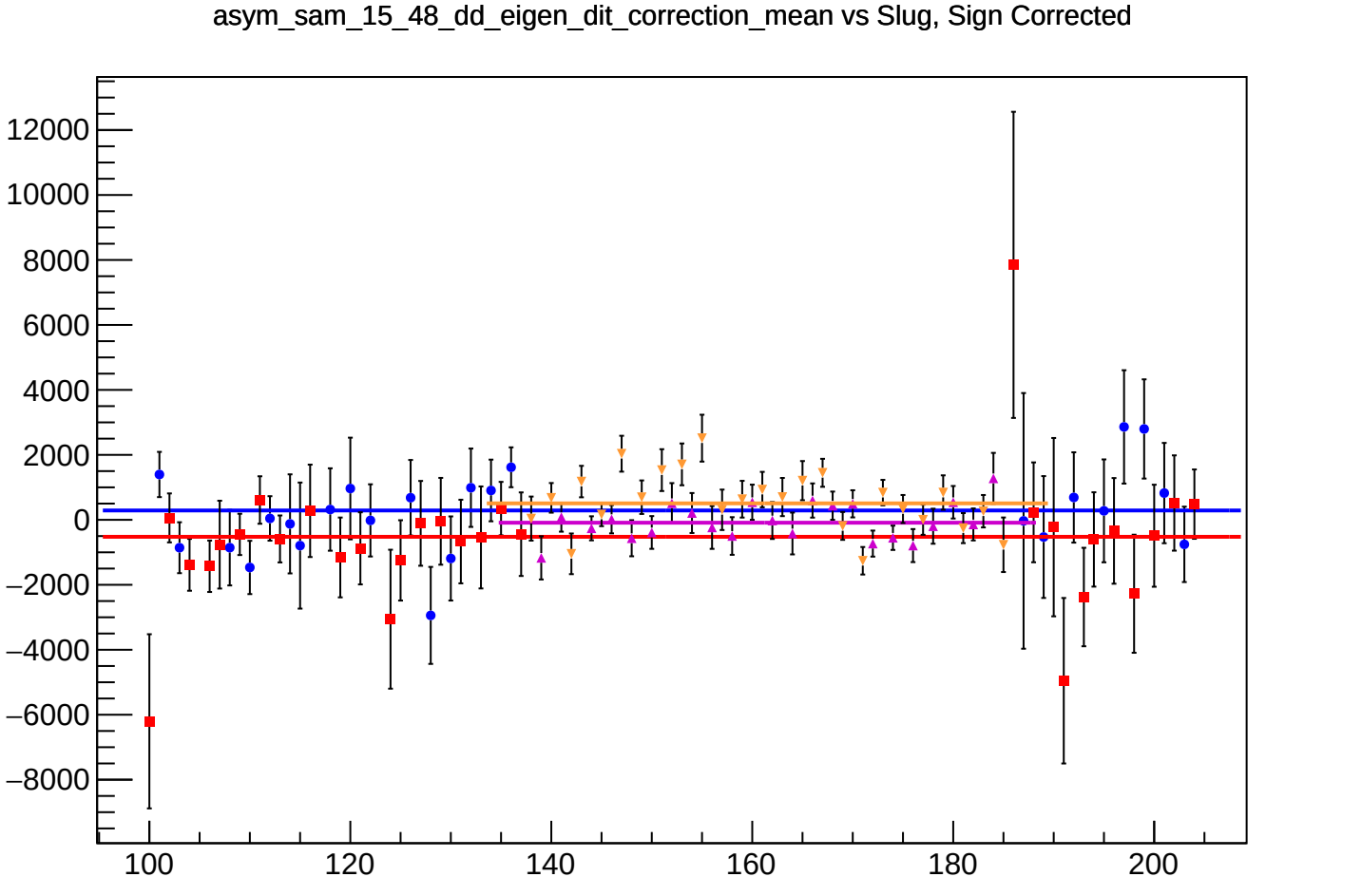
Left: 57.605+/-0.007 χ^2/NDF: 3353089.2/47

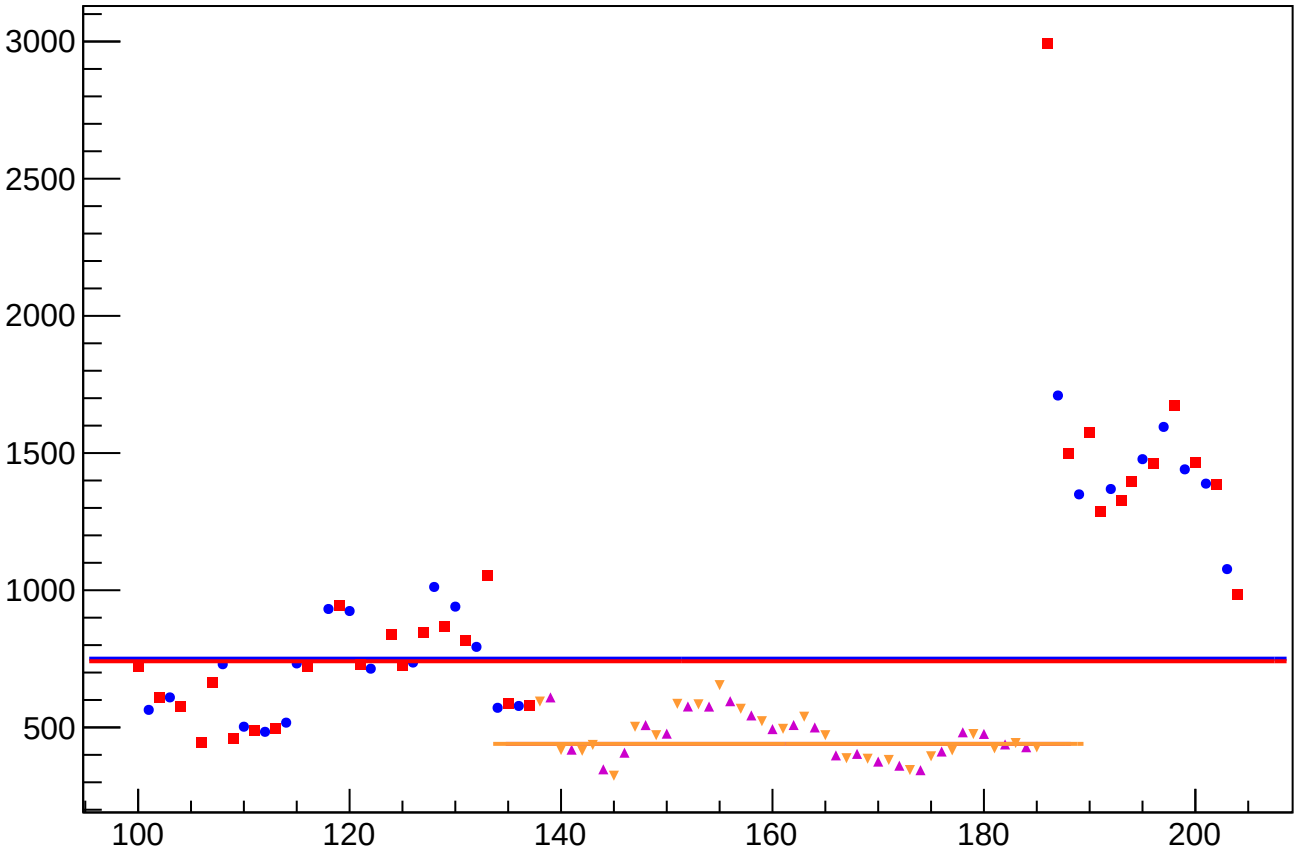
Right: 72.678+/-0.010 χ^2/NDF: 2683475.0/53

In: 62.127+/-0.008 χ^2/NDF:3296194.9/46

Out: 62.864+/-0.008 χ^2/NDF:4287404.8/54

All: 62.509+/-0.006 χ^2/NDF: 7587809.6/101


asym_sam_15_48_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
12000
10000
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
100
120
140
160
180
200
Right In: 288.449+/-223.556 χ²/NDF: 28.6/23
Left Out: 507.170+/-101.776 χ²/NDF:65.8/24
Right Out: -522.102+/-208.284 χ²/NDF: 24.1/29
Left In: -88.471+/-104.541 χ²/NDF:23.3/22
Left: 217.331+/-72.925 χ²/NDF: 105.8/47
Right: -145.455+/-152.392 χ²/NDF: 59.7/53
In: -20.837+/-94.699 χ²/NDF:54.3/46
Out: 308.781+/-91.443 χ²/NDF:109.6/54
All: 149.735+/-65.781 χ²/NDF: 170.1/101



Right In: 750.596+/-0.158 χ^2/NDF: 3663068.9/23

Left Out: 440.074+/-0.072 χ^2/NDF:1196993.4/24

Right Out: 741.130+/-0.147 χ^2/NDF: 5340034.3/29

Left In: 439.876+/-0.074 χ^2/NDF:1061916.6/22

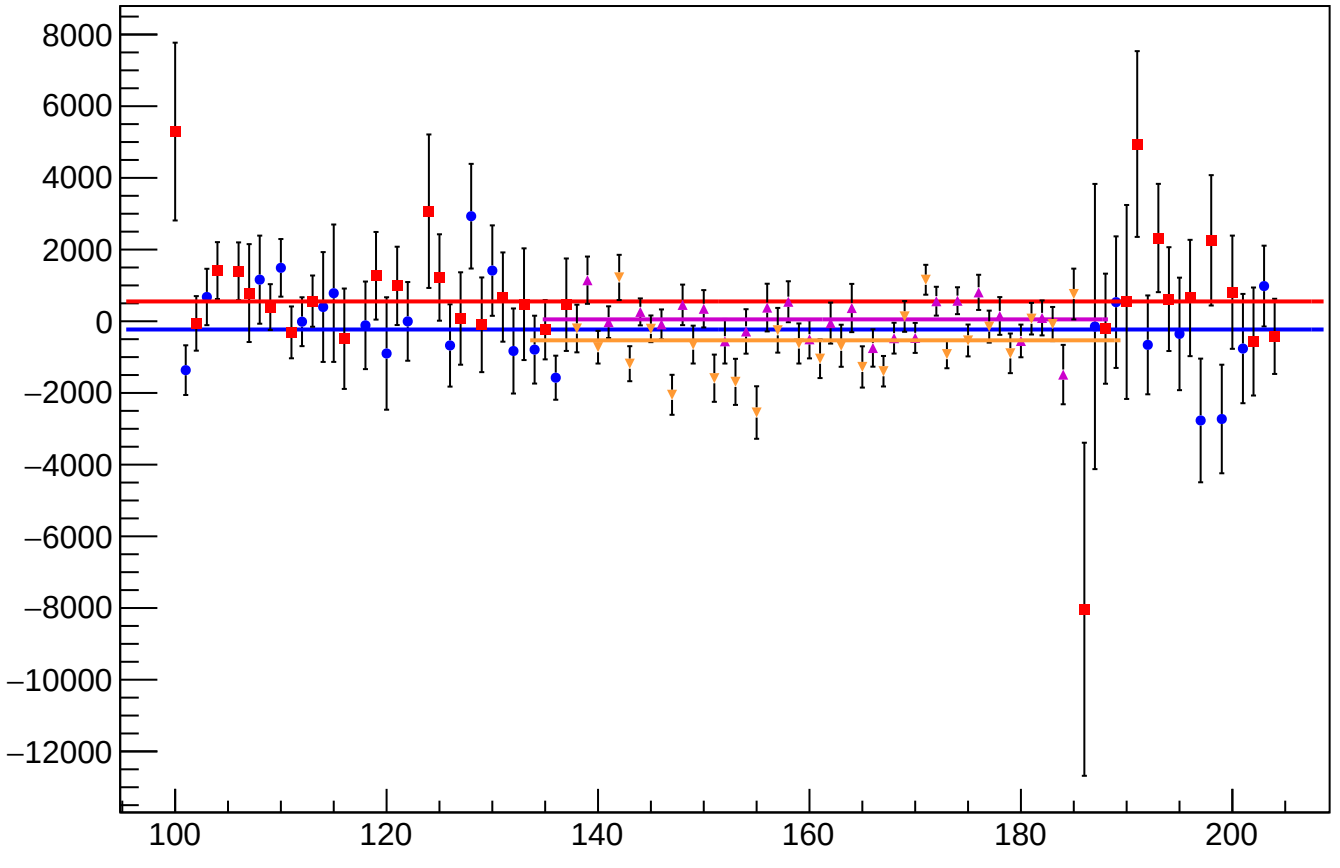
Left: 439.978+/-0.052 χ^2/NDF: 2258913.7/47

Right: 745.529+/-0.108 χ^2/NDF: 9005022.8/53

In: 495.631+/-0.067 χ^2/NDF:7895338.6/46

Out: 498.102+/-0.065 χ^2/NDF:9910065.2/54

All: 496.910+/-0.047 χ^2/NDF: 17806108.4/10



Right In: -229.811+/-222.098 χ^2/NDF: 29.0/23

Left Out: -531.569+/-101.245 χ^2/NDF:65.6/24

Right Out: 552.940+/-207.652 χ^2/NDF: 22.4/29

Left In: 52.554+/-103.870 χ^2/NDF:24.1/22

Left: -246.981+/-72.501 χ^2/NDF: 105.9/47

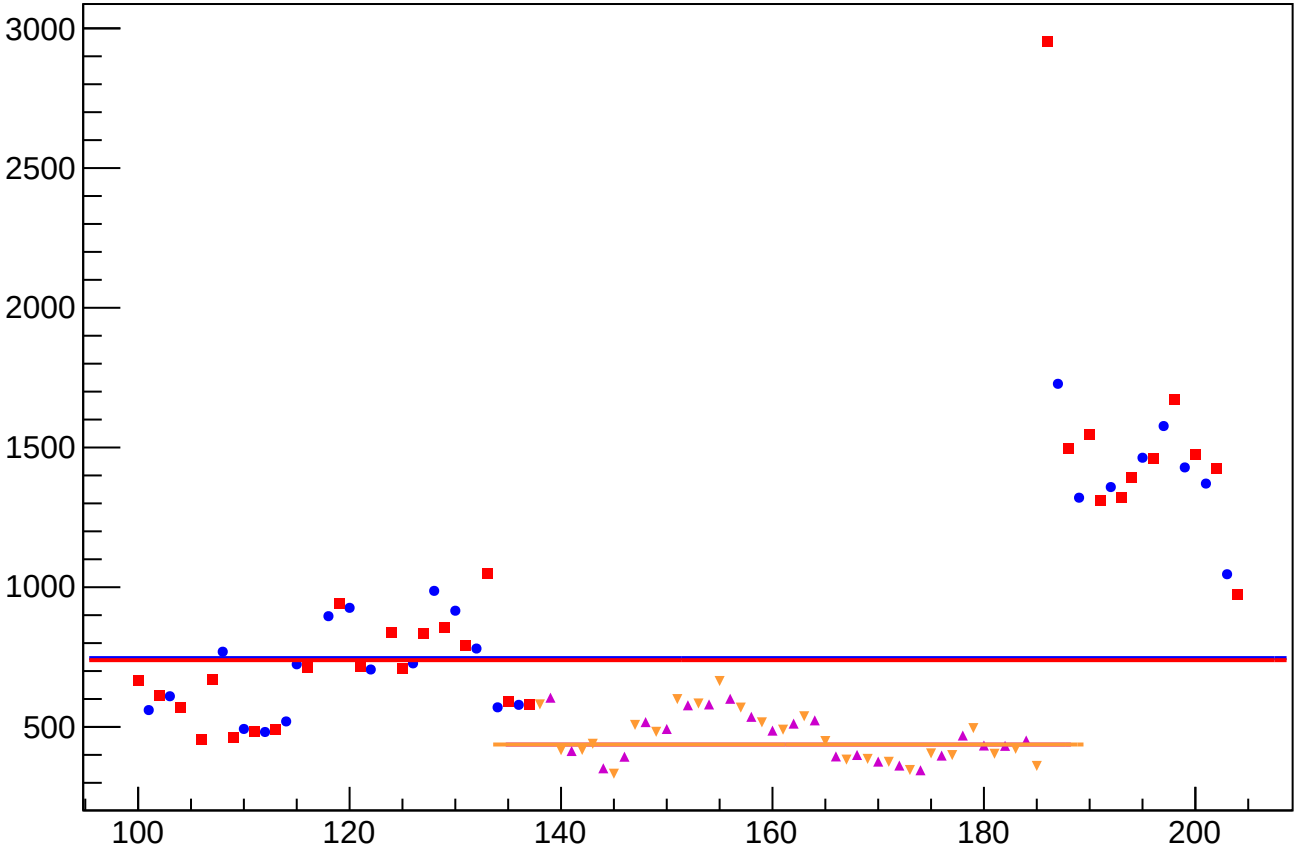
Right: 187.846+/-151.682 χ^2/NDF: 58.0/53

In: 1.878+/-94.089 χ^2/NDF:54.4/46

Out: -323.271+/-91.004 χ^2/NDF:110.0/54

All: -166.113+/-65.413 χ^2/NDF: 170.6/101

asym_sam_15_48_dd_rms vs Slug, Sign Corrected



Right In: 746.361+/-0.157 χ^2/NDF: 3593717.8/23

Left Out: 437.157+/-0.072 χ^2/NDF:1227453.3/24

Right Out: 738.995+/-0.147 χ^2/NDF: 5323249.7/29

Left In: 436.937+/-0.073 χ^2/NDF:1080038.0/22

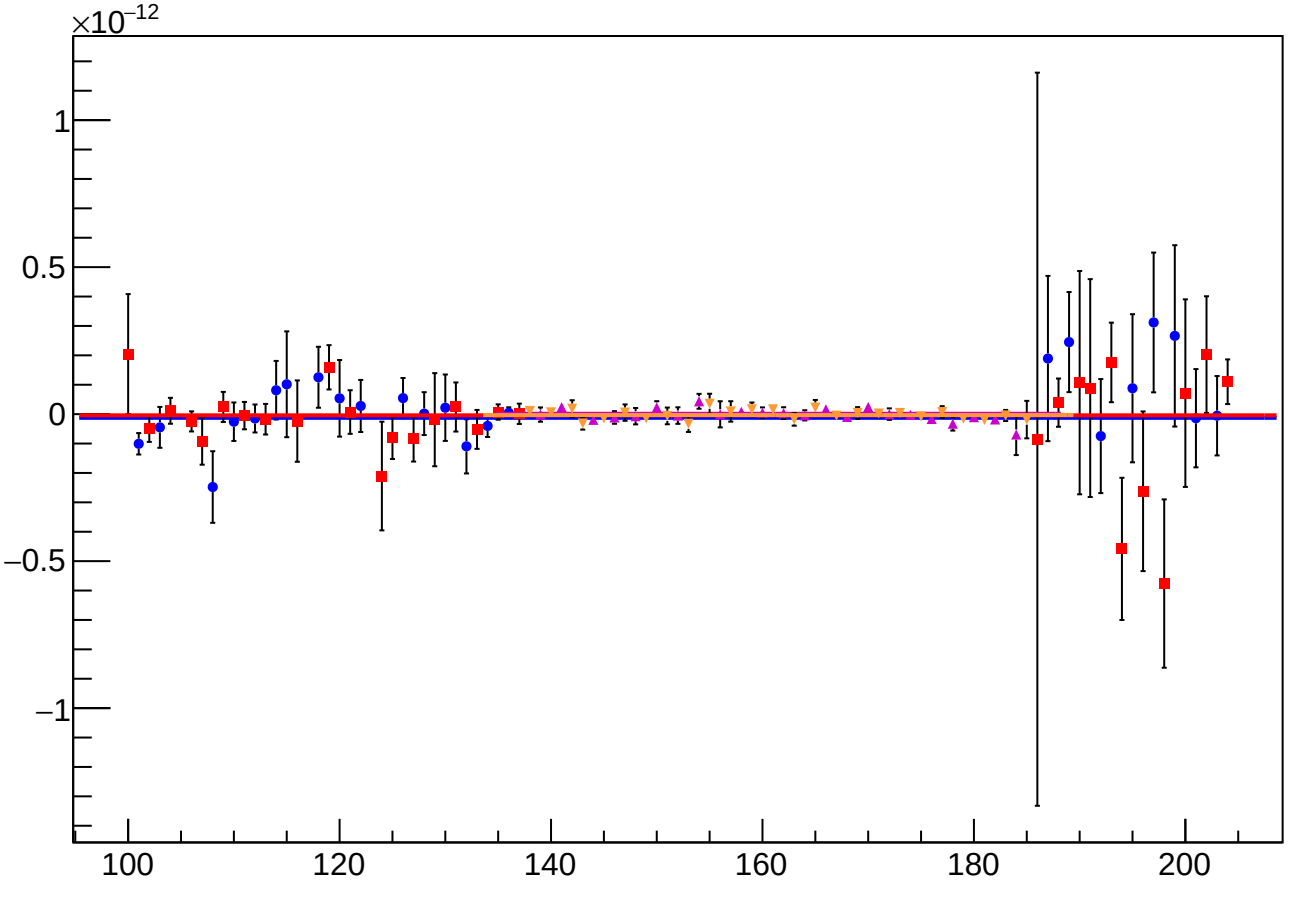
Left: 437.050+/-0.051 χ^2/NDF: 2307495.9/47

Right: 742.431+/-0.107 χ^2/NDF: 8918141.3/53

In: 492.469+/-0.067 χ^2/NDF:7859015.0/46

Out: 495.130+/-0.064 χ^2/NDF:9964850.8/54

All: 493.844+/-0.046 χ^2/NDF: 17824692.1/10



Right In: -0.000+/-0.000 χ^2/NDF: 22.7/23

Left Out: -0.000+/-0.000 χ^2/NDF:14.3/24

Right Out: -0.000+/-0.000 χ^2/NDF: 27.1/29

Left In: 0.000+/-0.000 χ^2/NDF:22.0/22

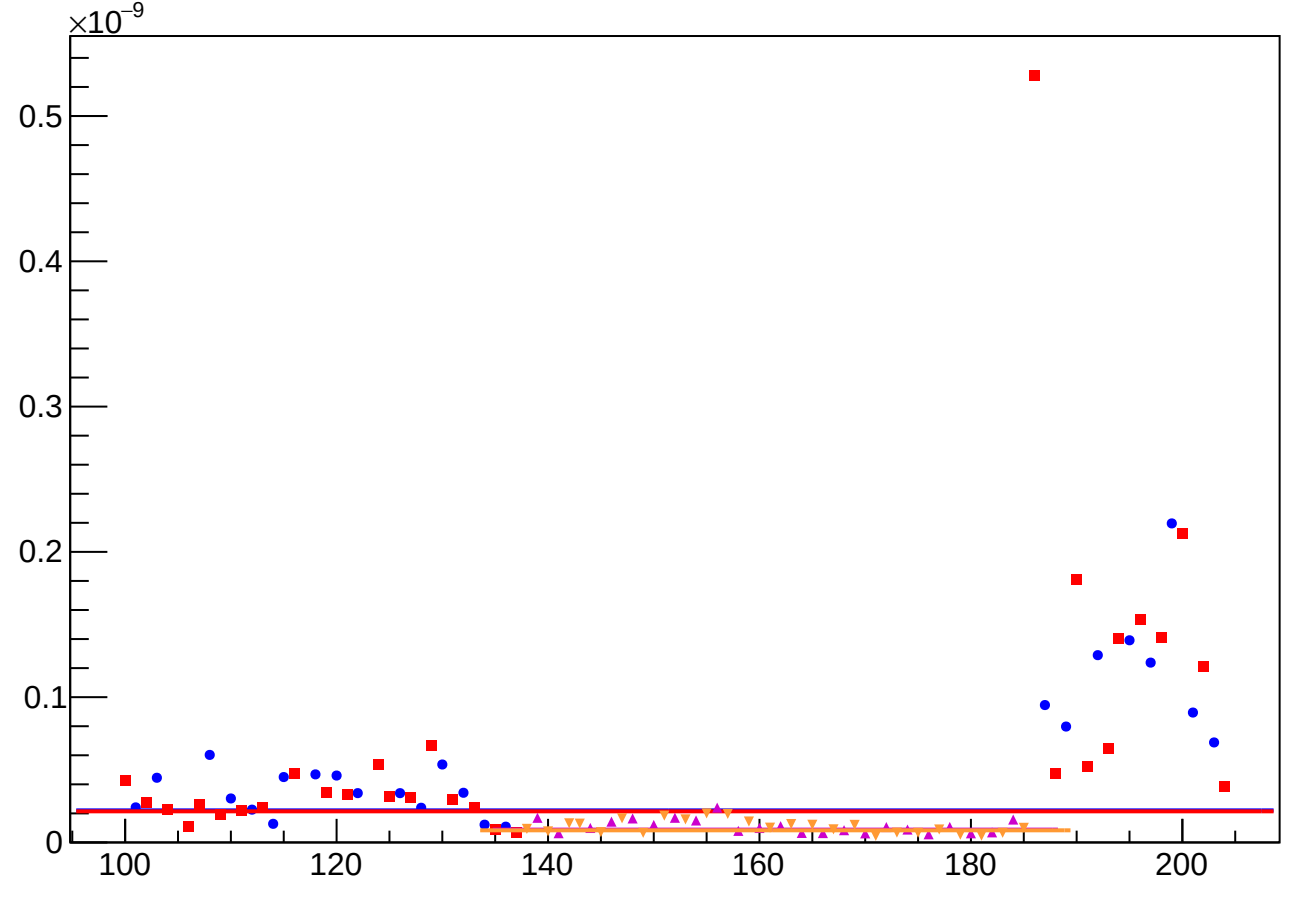
Left: -0.000+/-0.000 χ^2/NDF: 37.2/47

Right: -0.000+/-0.000 χ^2/NDF: 50.1/53

In: 0.000+/-0.000 χ^2/NDF:45.9/46

Out: -0.000+/-0.000 χ^2/NDF:41.4/54

All: -0.000+/-0.000 χ^2/NDF: 87.8/101



Right In: 0.000+/-0.000 χ^2/NDF: 4974012.4/23

Left Out: 0.000+/-0.000 χ^2/NDF:2207304.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5303142.5/29

Left In: 0.000+/-0.000 χ^2/NDF:1644276.1/22

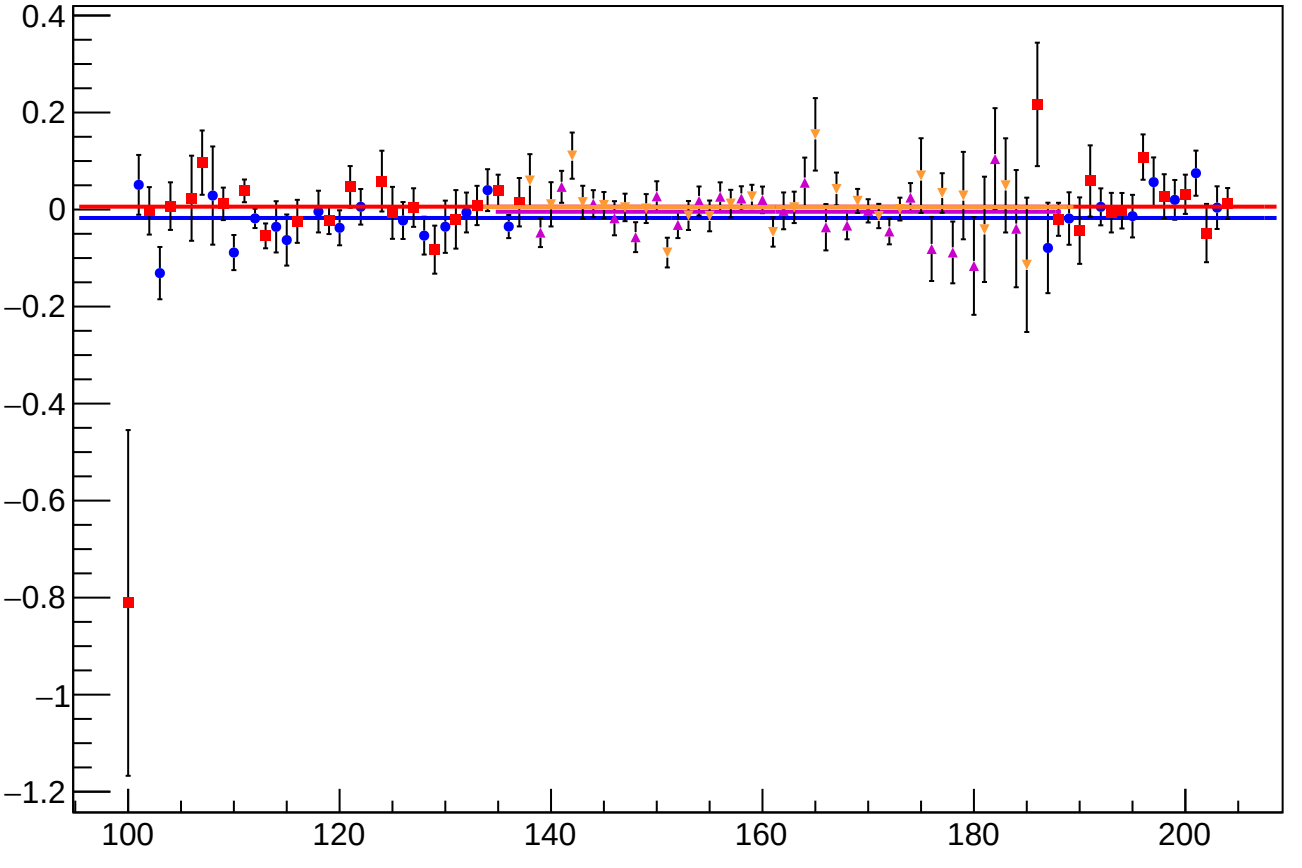
Left: 0.000+/-0.000 χ^2/NDF: 3869791.0/47

Right: 0.000+/-0.000 χ^2/NDF: 10280098.3/53

In: 0.000+/-0.000 χ^2/NDF:8716484.5/46

Out: 0.000+/-0.000 χ^2/NDF:9788543.0/54

All: 0.000+/-0.000 χ^2/NDF: 18528497.1/101



Right In: -0.017+/-0.008 χ^2/NDF: 22.7/23

Left Out: 0.005+/-0.007 χ^2/NDF:28.4/24

Right Out: 0.006+/-0.008 χ^2/NDF: 33.0/29

Left In: -0.005+/-0.007 χ^2/NDF:25.1/22

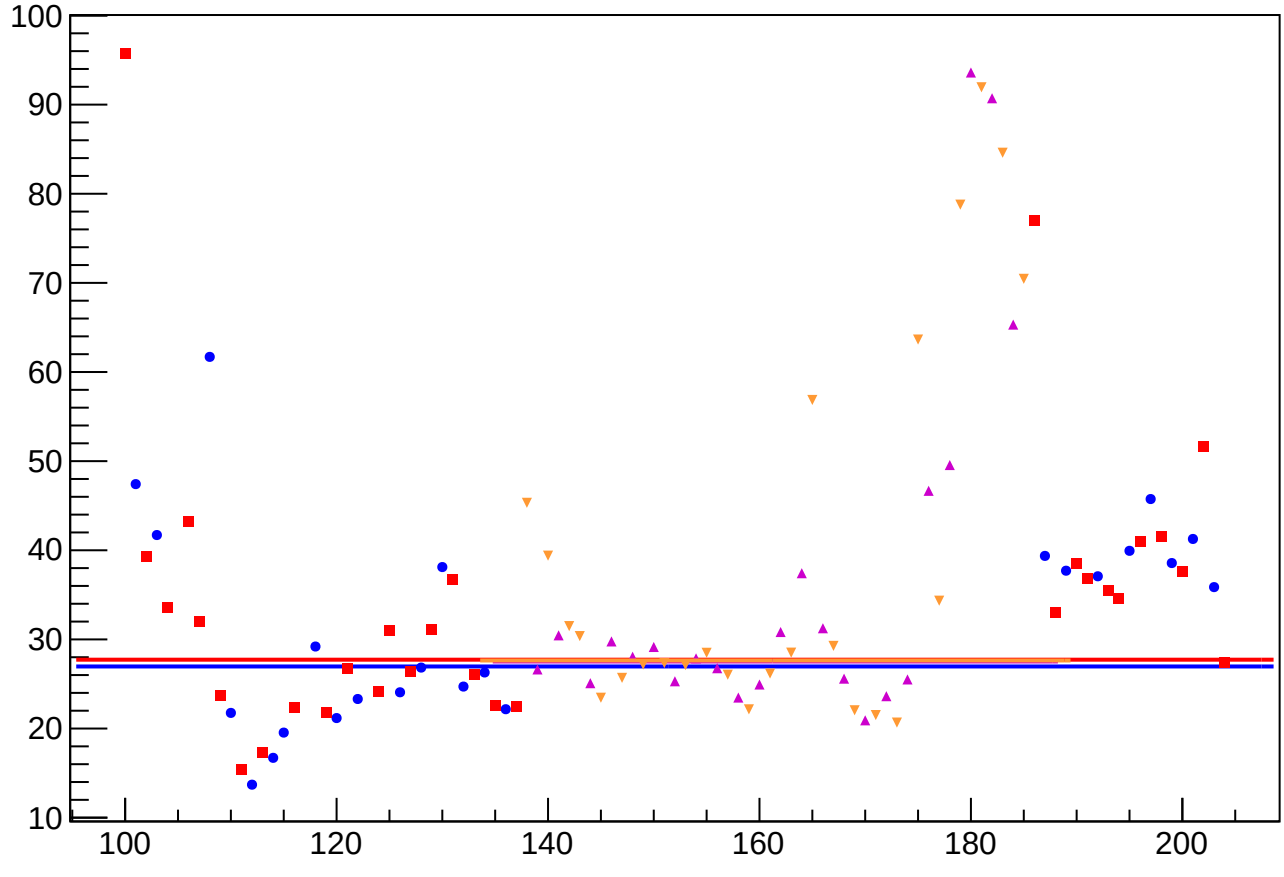
Left: 0.000+/-0.005 χ^2/NDF: 54.5/47

Right: -0.005+/-0.006 χ^2/NDF: 60.1/53

In: -0.010+/-0.005 χ^2/NDF:49.3/46

Out: 0.005+/-0.005 χ^2/NDF:61.5/54

All: -0.002+/-0.004 χ^2/NDF: 115.1/101



Right In: 26.964+/-0.006 χ^2/NDF: 3042740.2/23

Left Out: 27.635+/-0.005 χ^2/NDF:3974084.8/24

Right Out: 27.725+/-0.005 χ^2/NDF: 2819308.4/29

Left In: 27.524+/-0.005 χ^2/NDF:2634540.9/22

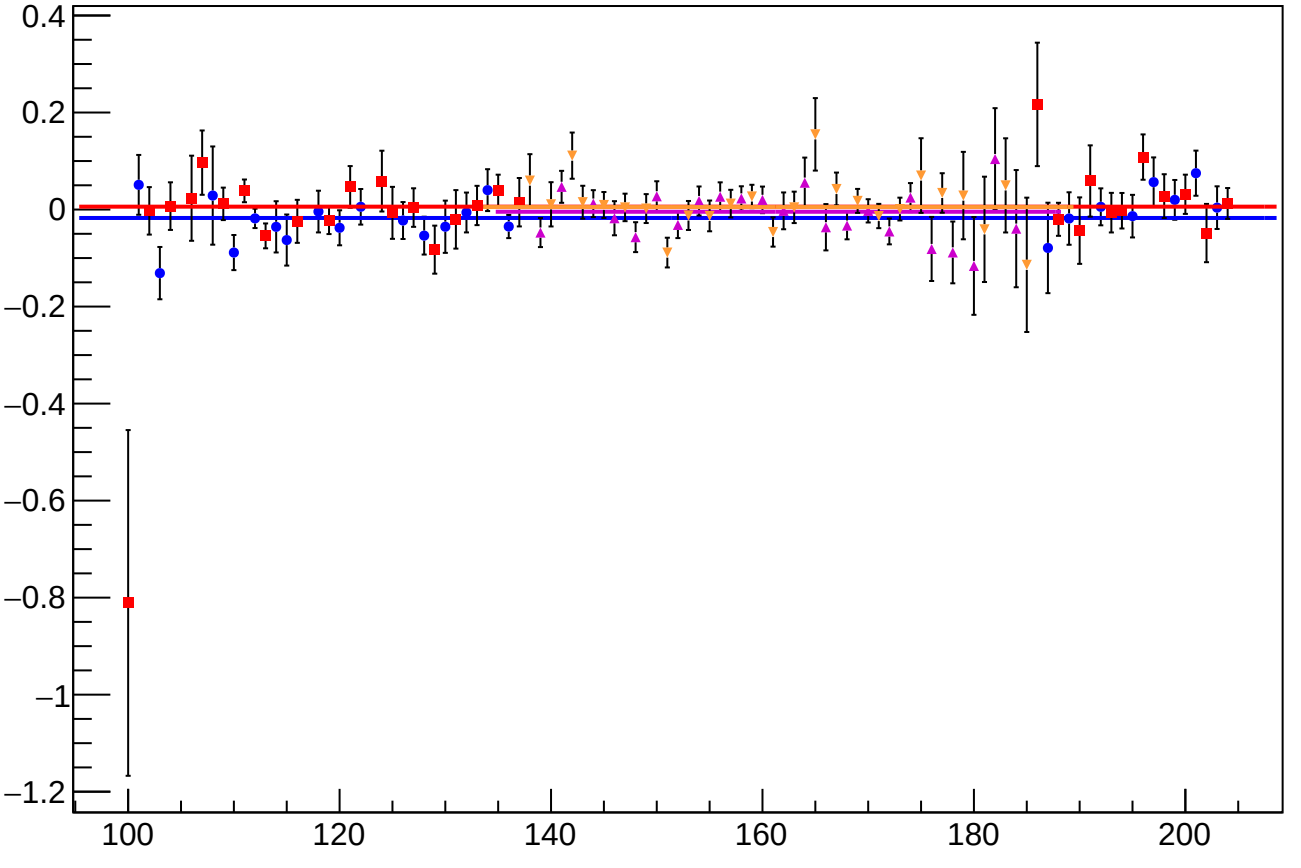
Left: 27.581+/-0.003 χ^2/NDF: 6608881.9/47

Right: 27.369+/-0.004 χ^2/NDF: 5871271.8/53

In: 27.288+/-0.004 χ^2/NDF:5682708.7/46

Out: 27.675+/-0.004 χ^2/NDF:6793545.7/54

All: 27.489+/-0.003 χ^2/NDF: 12481770.7/101



Right In: -0.017+/-0.008 χ^2/NDF: 22.7/23

Left Out: 0.005+/-0.007 χ^2/NDF:28.4/24

Right Out: 0.006+/-0.008 χ^2/NDF: 33.0/29

Left In: -0.005+/-0.007 χ^2/NDF:25.1/22

Left: 0.000+/-0.005 χ^2/NDF: 54.5/47

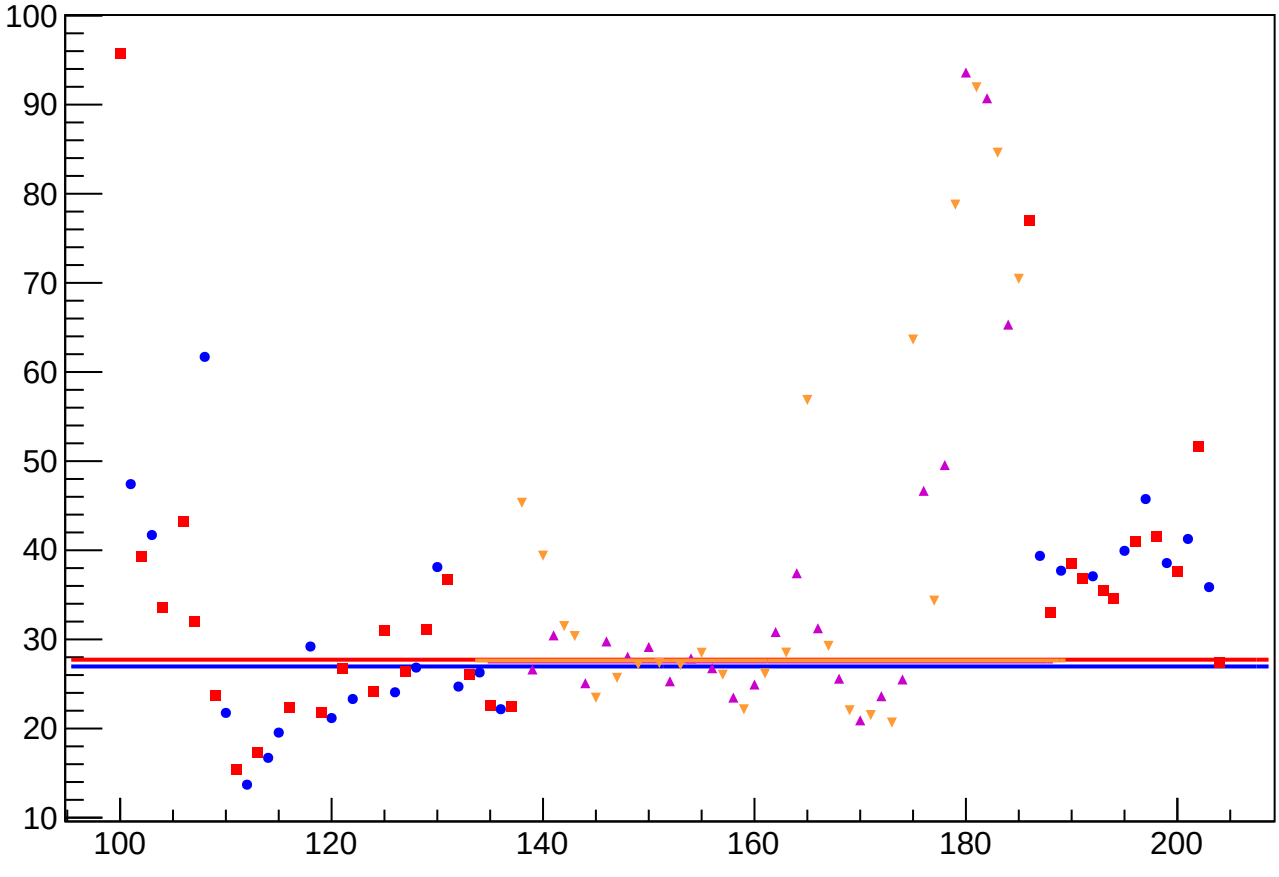
Right: -0.005+/-0.006 χ^2/NDF: 60.1/53

In: -0.010+/-0.005 χ^2/NDF:49.3/46

Out: 0.005+/-0.005 χ^2/NDF:61.5/54

All: -0.002+/-0.004 χ^2/NDF: 115.1/101

asym_sam_15_48_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 26.964+/-0.006 χ^2/NDF: 3042740.2/23

Left Out: 27.635+/-0.005 χ^2/NDF:3974084.8/24

Right Out: 27.725+/-0.005 χ^2/NDF: 2819308.4/29

Left In: 27.524+/-0.005 χ^2/NDF:2634540.9/22

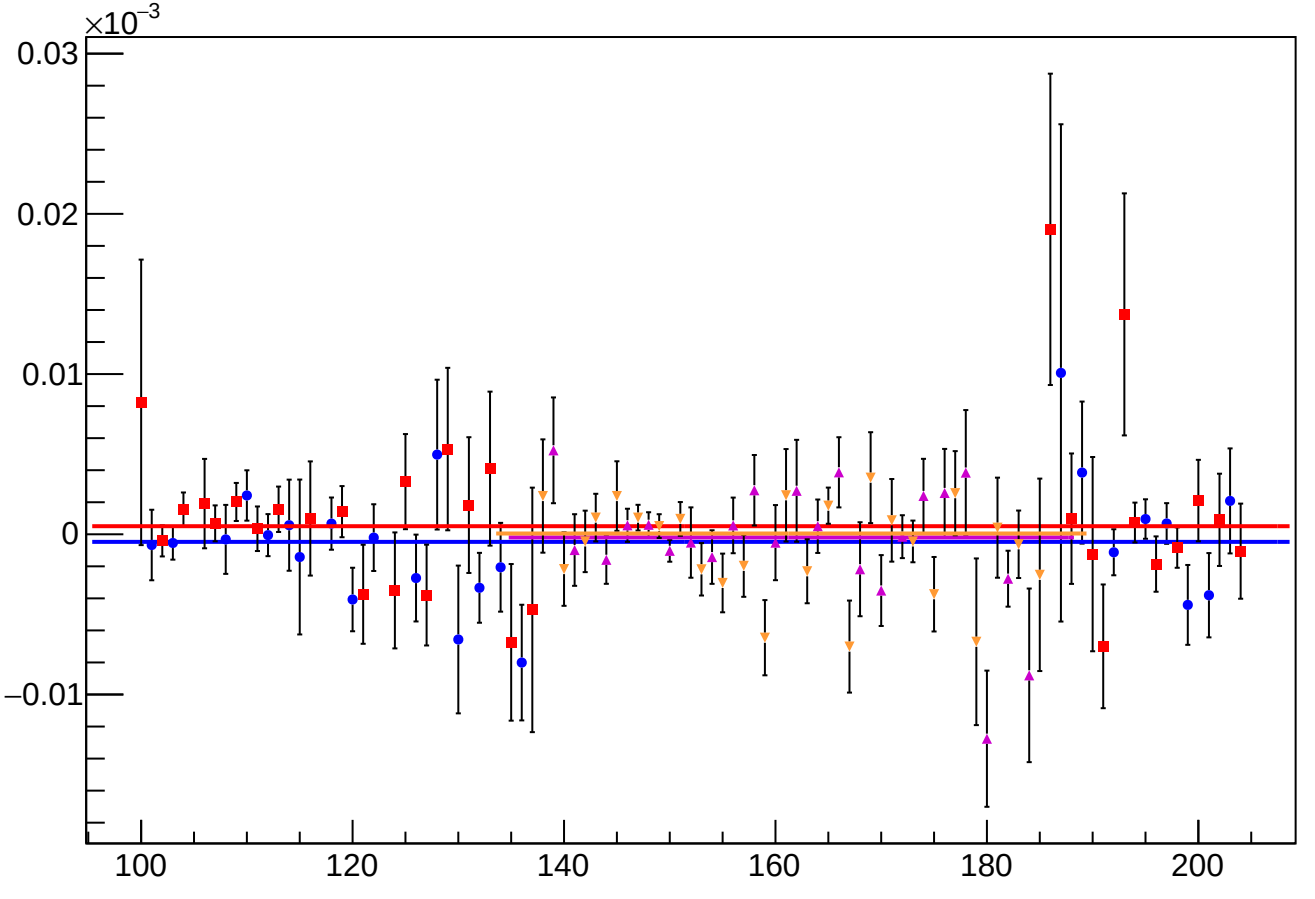
Left: 27.581+/-0.003 χ^2/NDF: 6608881.9/47

Right: 27.369+/-0.004 χ^2/NDF: 5871271.8/53

In: 27.288+/-0.004 χ^2/NDF:5682708.7/46

Out: 27.675+/-0.004 χ^2/NDF:6793545.7/54

All: 27.489+/-0.003 χ^2/NDF: 12481770.7/101



Right In: -0.000+/-0.000 χ^2/NDF: 26.2/23

Left Out: 0.000+/-0.000 χ^2/NDF:37.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 29.8/29

Left In: -0.000+/-0.000 χ^2/NDF:33.3/22

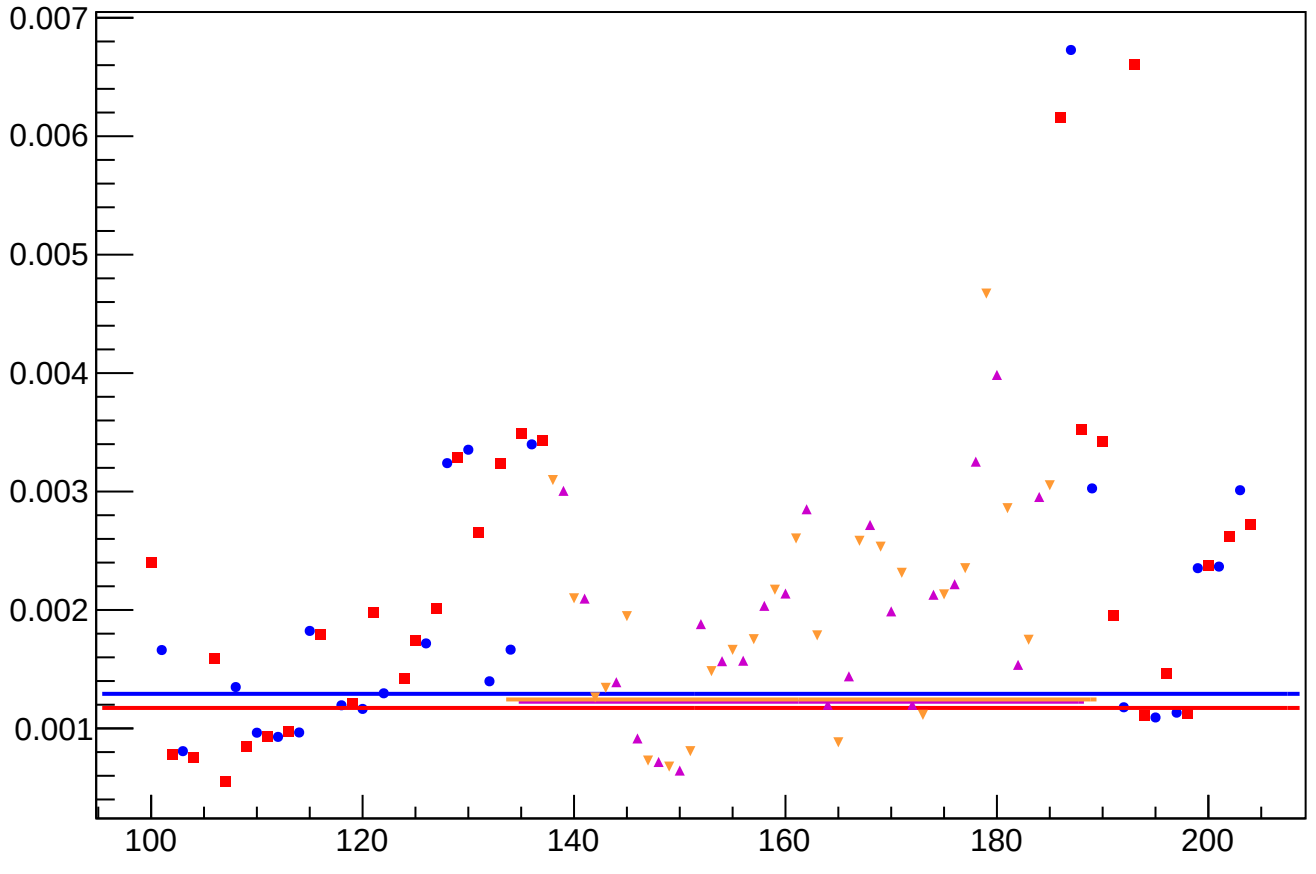
Left: -0.000+/-0.000 χ^2/NDF: 70.5/47

Right: 0.000+/-0.000 χ^2/NDF: 59.3/53

In: -0.000+/-0.000 χ^2/NDF:59.7/46

Out: 0.000+/-0.000 χ^2/NDF:67.7/54

All: -0.000+/-0.000 χ^2/NDF: 130.0/101



Right In: 0.001+/-0.000 χ^2/NDF: 4210396.6/23

Left Out: 0.001+/-0.000 χ^2/NDF:8341059.1/24

Right Out: 0.001+/-0.000 χ^2/NDF: 7759048.3/29

Left In: 0.001+/-0.000 χ^2/NDF:7822849.8/22

Left: 0.001+/-0.000 χ^2/NDF: 16167353.6/47

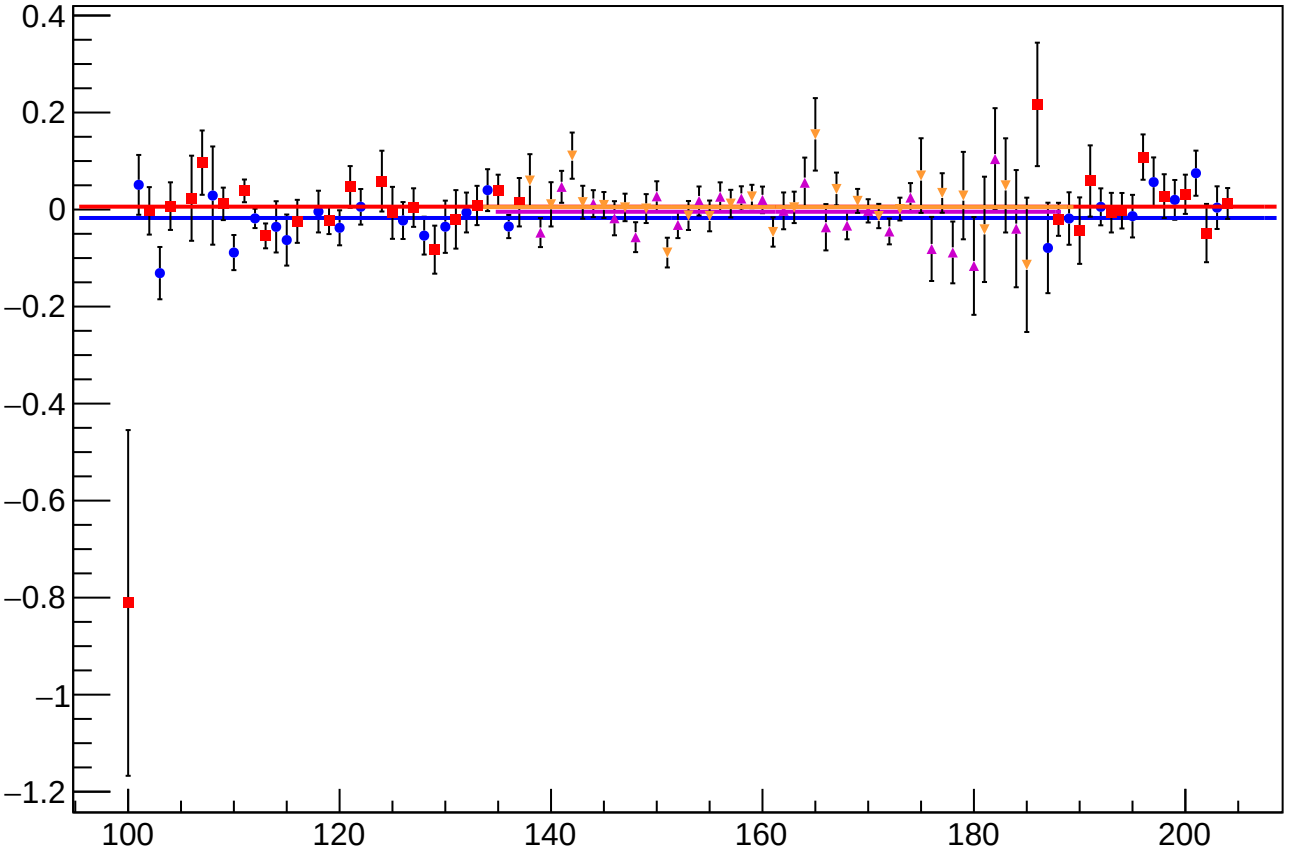
Right: 0.001+/-0.000 χ^2/NDF: 12068123.2/53

In: 0.001+/-0.000 χ^2/NDF:12066085.2/46

Out: 0.001+/-0.000 χ^2/NDF:16144373.4/54

All: 0.001+/-0.000 χ^2/NDF: 28236988.1/101

asym_sam_15_48_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.017+/-0.008 χ^2/NDF: 22.7/23

Left Out: 0.005+/-0.007 χ^2/NDF:28.4/24

Right Out: 0.006+/-0.008 χ^2/NDF: 33.0/29

Left In: -0.005+/-0.007 χ^2/NDF:25.1/22

Left: 0.000+/-0.005 χ^2/NDF: 54.5/47

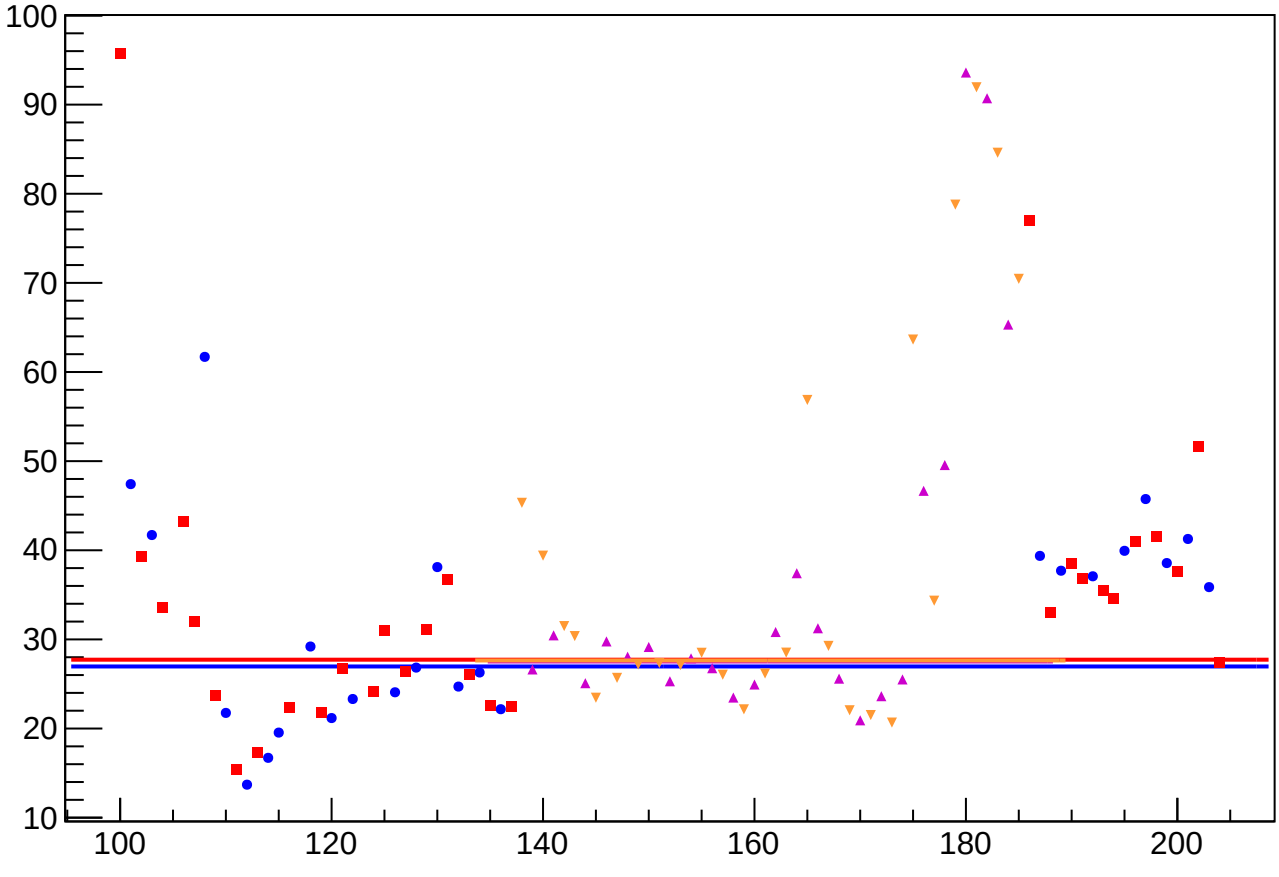
Right: -0.005+/-0.006 χ^2/NDF: 60.1/53

In: -0.010+/-0.005 χ^2/NDF:49.3/46

Out: 0.005+/-0.005 χ^2/NDF:61.5/54

All: -0.002+/-0.004 χ^2/NDF: 115.1/101

asym_sam_15_48_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 26.964+/-0.006 χ^2/NDF: 3042739.3/23

Left Out: 27.635+/-0.005 χ^2/NDF:3974025.3/24

Right Out: 27.724+/-0.005 χ^2/NDF: 2819417.7/29

Left In: 27.524+/-0.005 χ^2/NDF:2634508.8/22

Left: 27.581+/-0.003 χ^2/NDF: 6608790.9/47

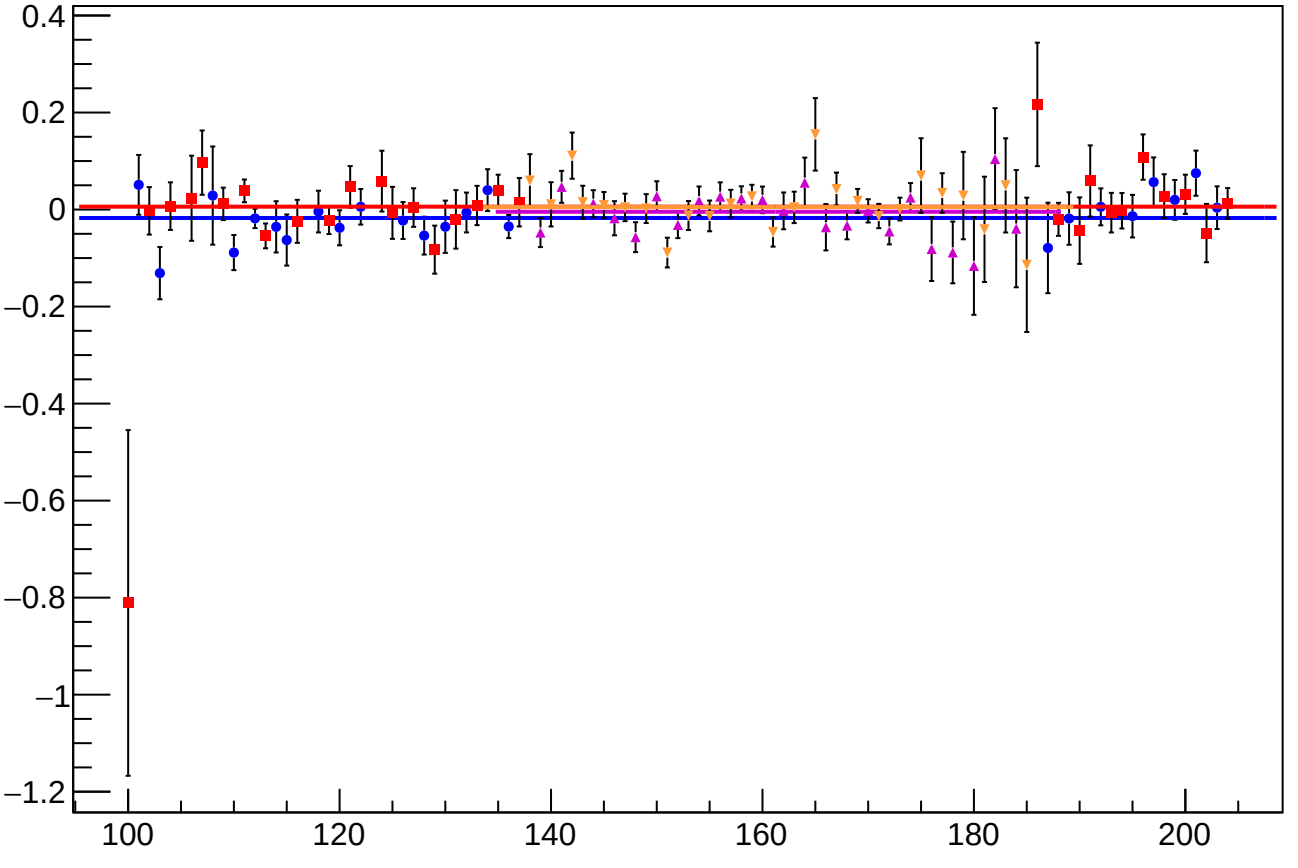
Right: 27.369+/-0.004 χ^2/NDF: 5871381.3/53

In: 27.288+/-0.004 χ^2/NDF:5682684.3/46

Out: 27.675+/-0.004 χ^2/NDF:6793593.7/54

All: 27.489+/-0.003 χ^2/NDF: 12481796.7/101

asym_sam_15_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.017+/-0.008 χ^2/NDF: 22.7/23

Left Out: 0.005+/-0.007 χ^2/NDF:28.4/24

Right Out: 0.006+/-0.008 χ^2/NDF: 33.0/29

Left In: -0.005+/-0.007 χ^2/NDF:25.1/22

Left: 0.000+/-0.005 χ^2/NDF: 54.5/47

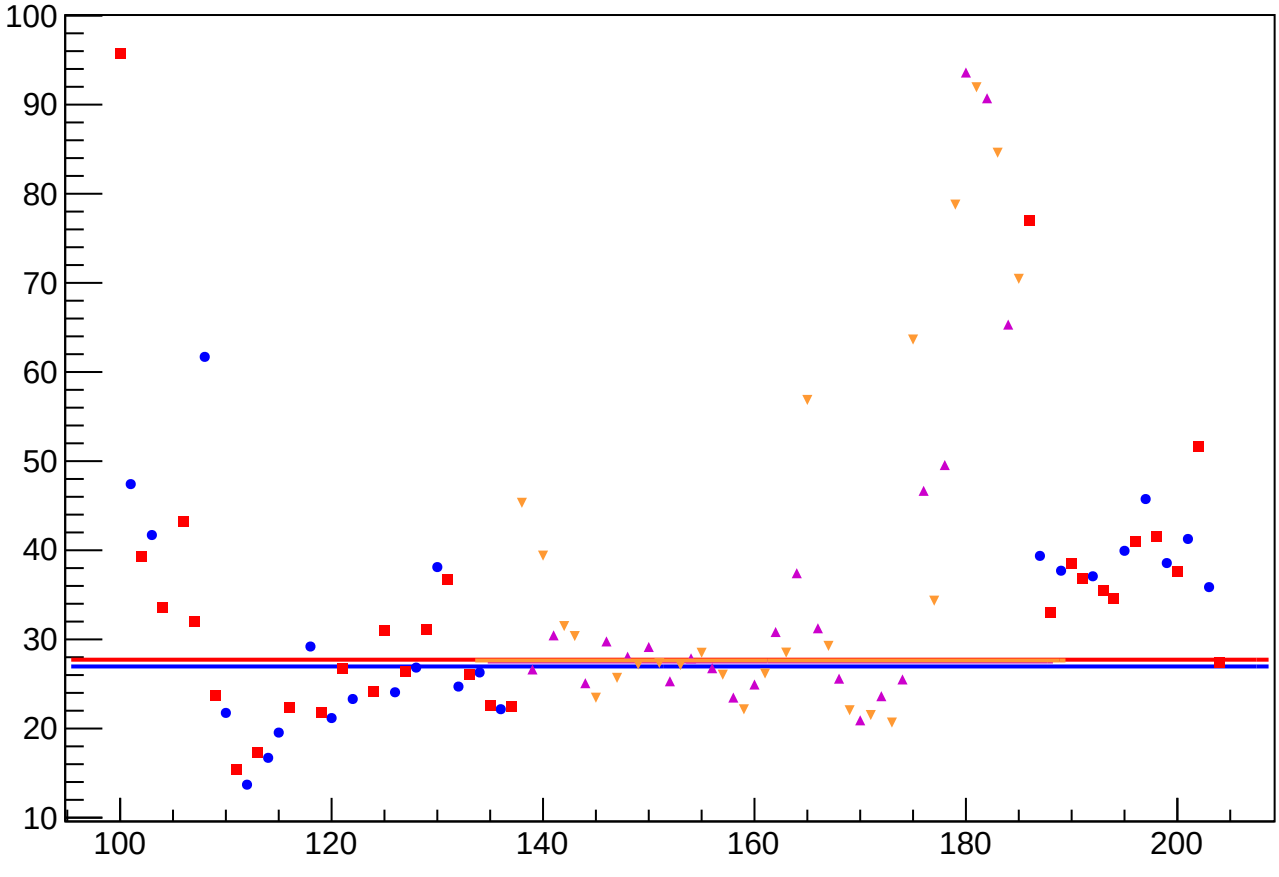
Right: -0.005+/-0.006 χ^2/NDF: 60.1/53

In: -0.010+/-0.005 χ^2/NDF:49.3/46

Out: 0.005+/-0.005 χ^2/NDF:61.5/54

All: -0.002+/-0.004 χ^2/NDF: 115.1/101

asym_sam_15_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 26.964+/-0.006 χ^2/NDF: 3042739.3/23

Left Out: 27.635+/-0.005 χ^2/NDF:3974025.3/24

Right Out: 27.724+/-0.005 χ^2/NDF: 2819417.7/29

Left In: 27.524+/-0.005 χ^2/NDF:2634508.8/22

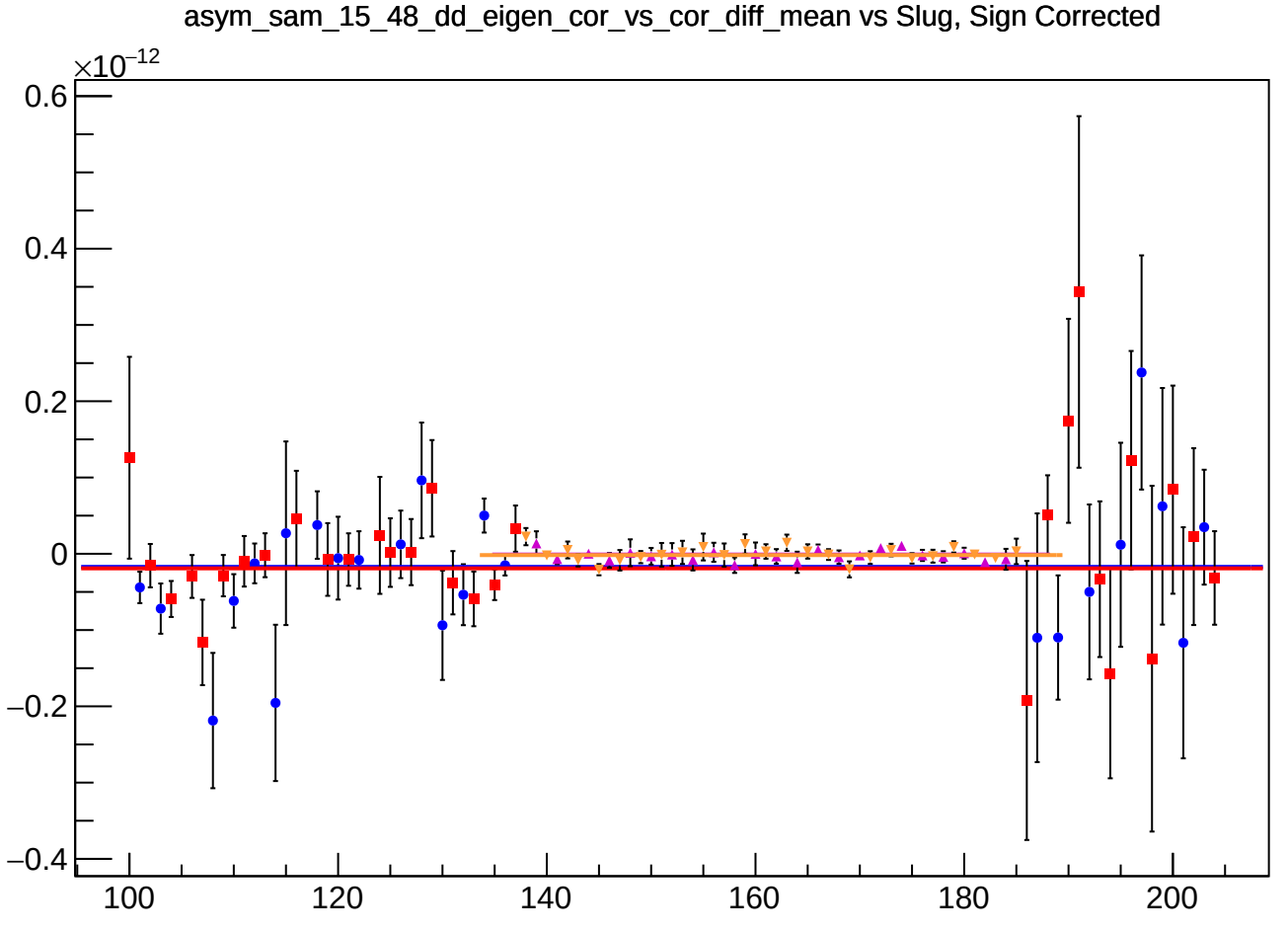
Left: 27.581+/-0.003 χ^2/NDF: 6608790.9/47

Right: 27.369+/-0.004 χ^2/NDF: 5871381.3/53

In: 27.288+/-0.004 χ^2/NDF:5682684.3/46

Out: 27.675+/-0.004 χ^2/NDF:6793593.7/54

All: 27.489+/-0.003 χ^2/NDF: 12481796.7/101



Right In: -0.000+/-0.000 χ^2/NDF: 35.5/23

Left Out: -0.000+/-0.000 χ^2/NDF:24.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 28.4/29

Left In: -0.000+/-0.000 χ^2/NDF:16.5/22

Left: -0.000+/-0.000 χ^2/NDF: 41.0/47

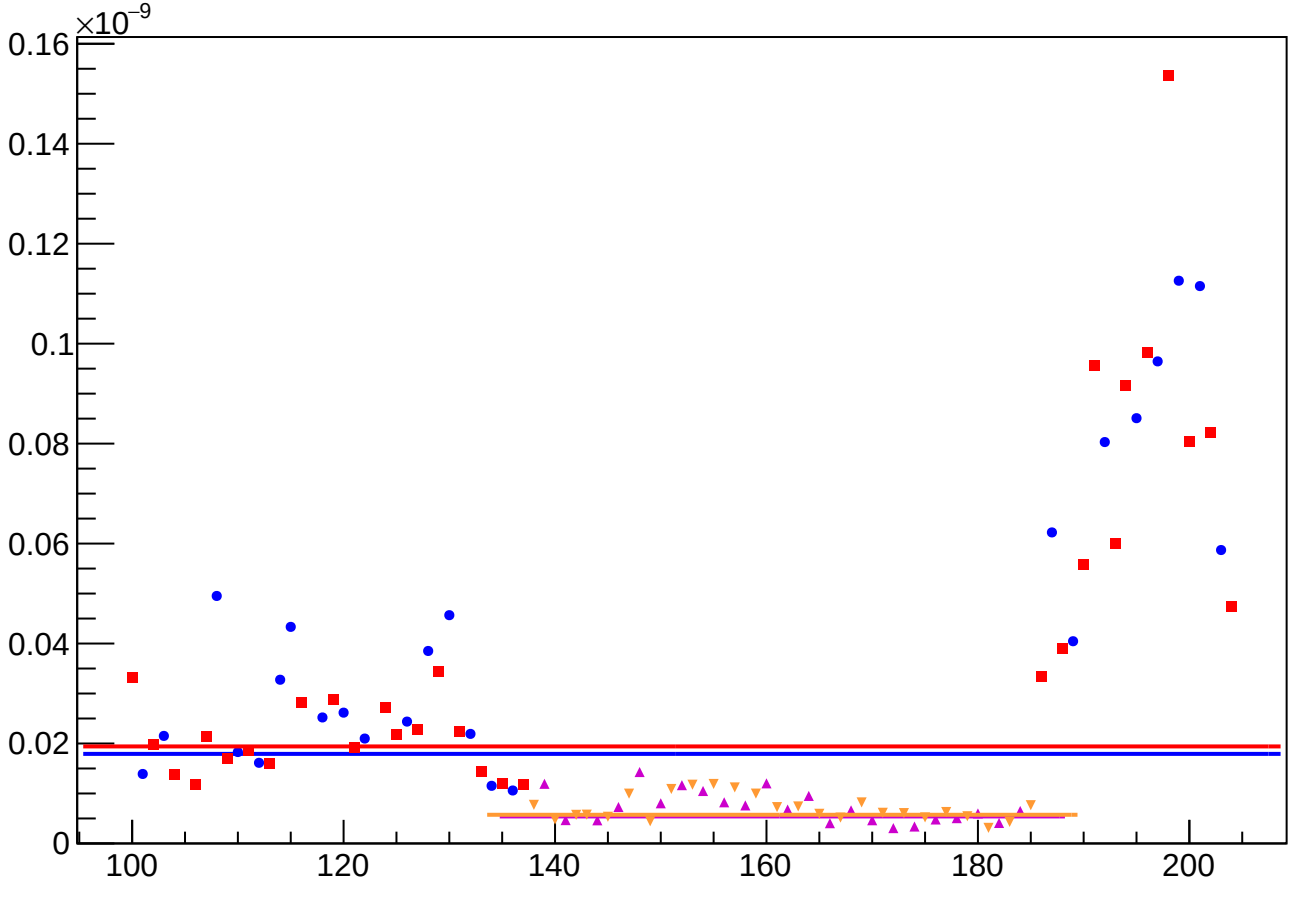
Right: -0.000+/-0.000 χ^2/NDF: 64.0/53

In: -0.000+/-0.000 χ^2/NDF:56.3/46

Out: -0.000+/-0.000 χ^2/NDF:57.8/54

All: -0.000+/-0.000 χ^2/NDF: 114.2/101

asym_sam_15_48_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 5904697.7/23

Left Out: 0.000+/-0.000 χ^2/NDF:2645460.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5286372.5/29

Left In: 0.000+/-0.000 χ^2/NDF:3476696.9/22

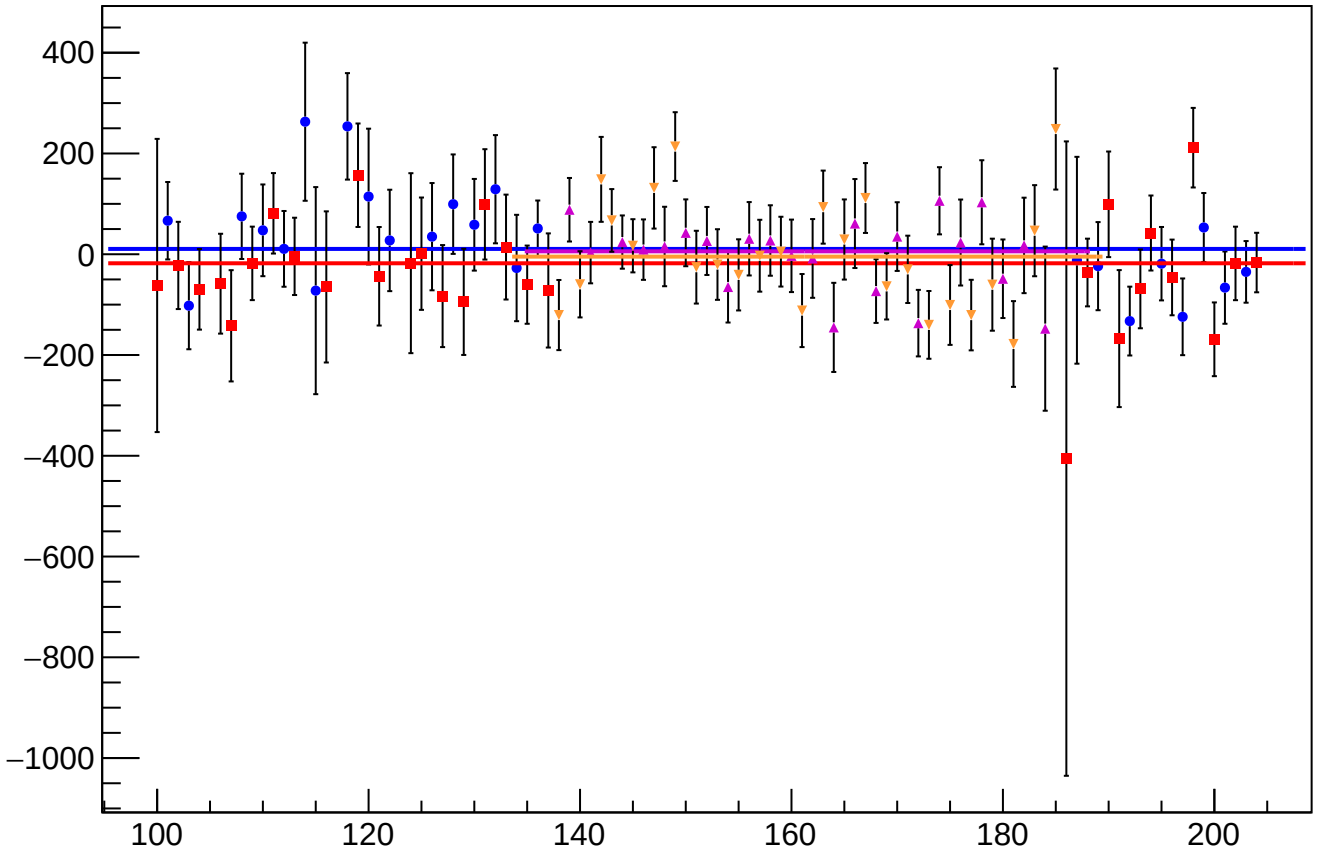
Left: 0.000+/-0.000 χ^2/NDF: 6159899.5/47

Right: 0.000+/-0.000 χ^2/NDF: 11229336.8/53

In: 0.000+/-0.000 χ^2/NDF:14513017.5/46

Out: 0.000+/-0.000 χ^2/NDF:14034922.7/54

All: 0.000+/-0.000 χ^2/NDF: 28601673.9/101



Right In: 10.558+/-17.497 χ^2/NDF: 24.6/23

Left Out: -4.742+/-14.432 χ^2/NDF:47.4/24

Right Out: -17.945+/-16.496 χ^2/NDF: 26.1/29

Left In: 5.776+/-14.931 χ^2/NDF:18.3/22

Left: 0.338+/-10.377 χ^2/NDF: 65.9/47

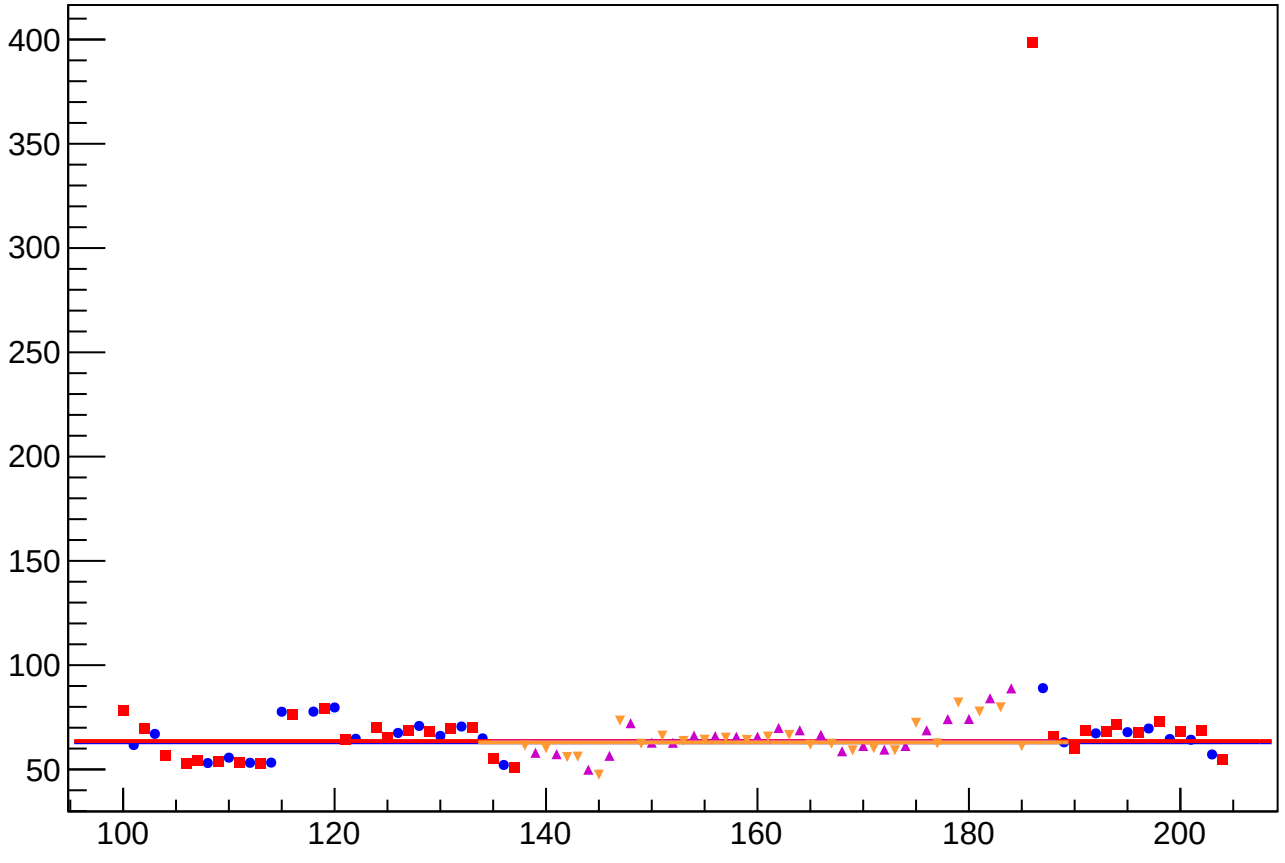
Right: -4.533+/-12.003 χ^2/NDF: 52.1/53

In: 7.791+/-11.358 χ^2/NDF:43.0/46

Out: -10.466+/-10.862 χ^2/NDF:73.8/54

All: -1.745+/-7.850 χ^2/NDF: 118.1/101

reg_asym_sam_37_48_dd_rms vs Slug, Sign Corrected



Right In: 63.043+/-0.012 χ^2/NDF: 357443.2/23

Left Out: 62.976+/-0.010 χ^2/NDF:526859.8/24

Right Out: 63.587+/-0.012 χ^2/NDF: 1009178.3/29

Left In: 63.365+/-0.011 χ^2/NDF:496926.2/22

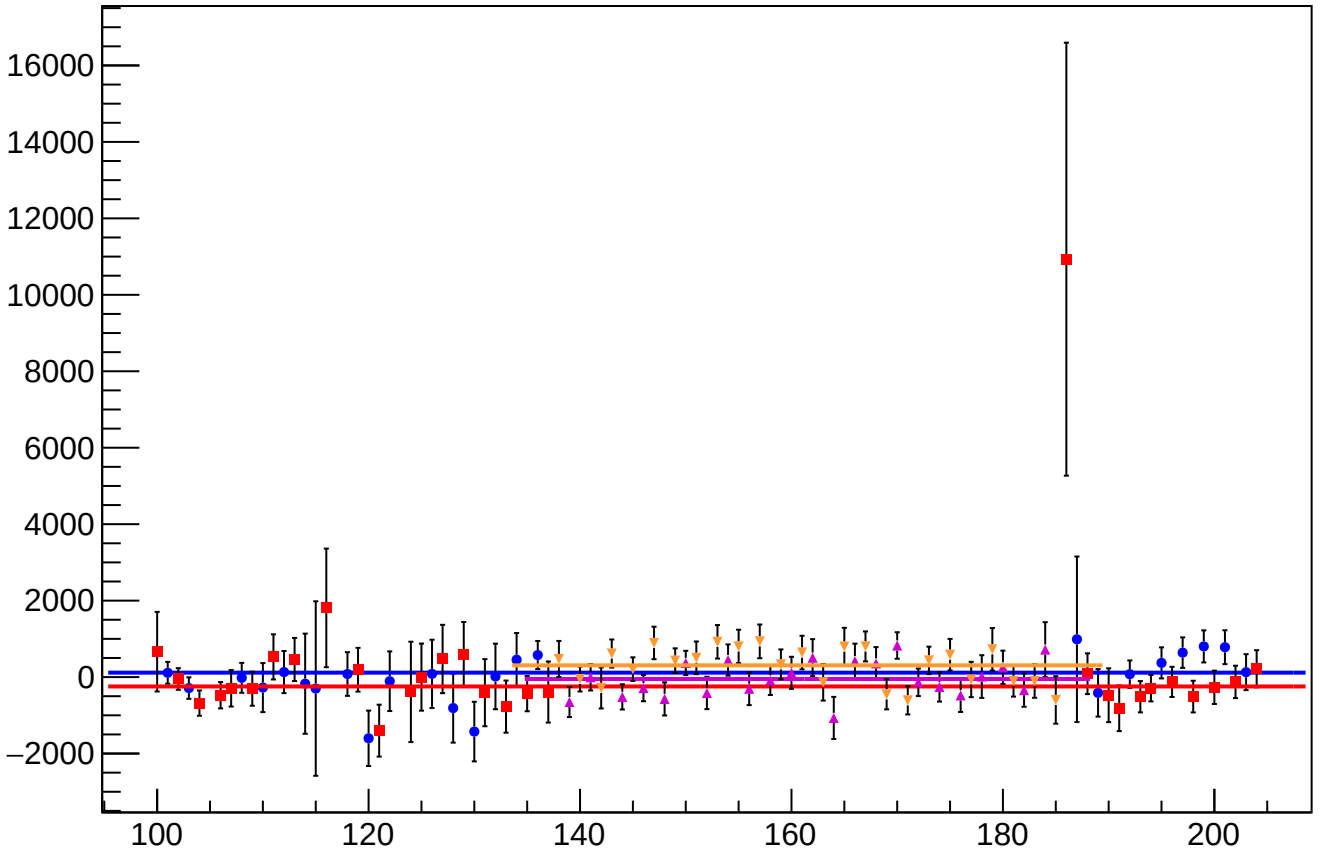
Left: 63.164+/-0.007 χ^2/NDF: 1024488.5/47

Right: 63.331+/-0.008 χ^2/NDF: 1367644.8/53

In: 63.230+/-0.008 χ^2/NDF:854761.2/46

Out: 63.241+/-0.008 χ^2/NDF:1537593.2/54

All: 63.236+/-0.006 χ^2/NDF: 2392355.5/101



Right In: 116.036+/-101.199 χ^2/NDF: 23.1/23

Left Out: 307.183+/-82.361 χ^2/NDF:30.6/24

Right Out: -245.020+/-92.724 χ^2/NDF: 21.8/29

Left In: -50.030+/-84.838 χ^2/NDF:27.3/22

Left: 133.867+/-59.094 χ^2/NDF: 67.0/47

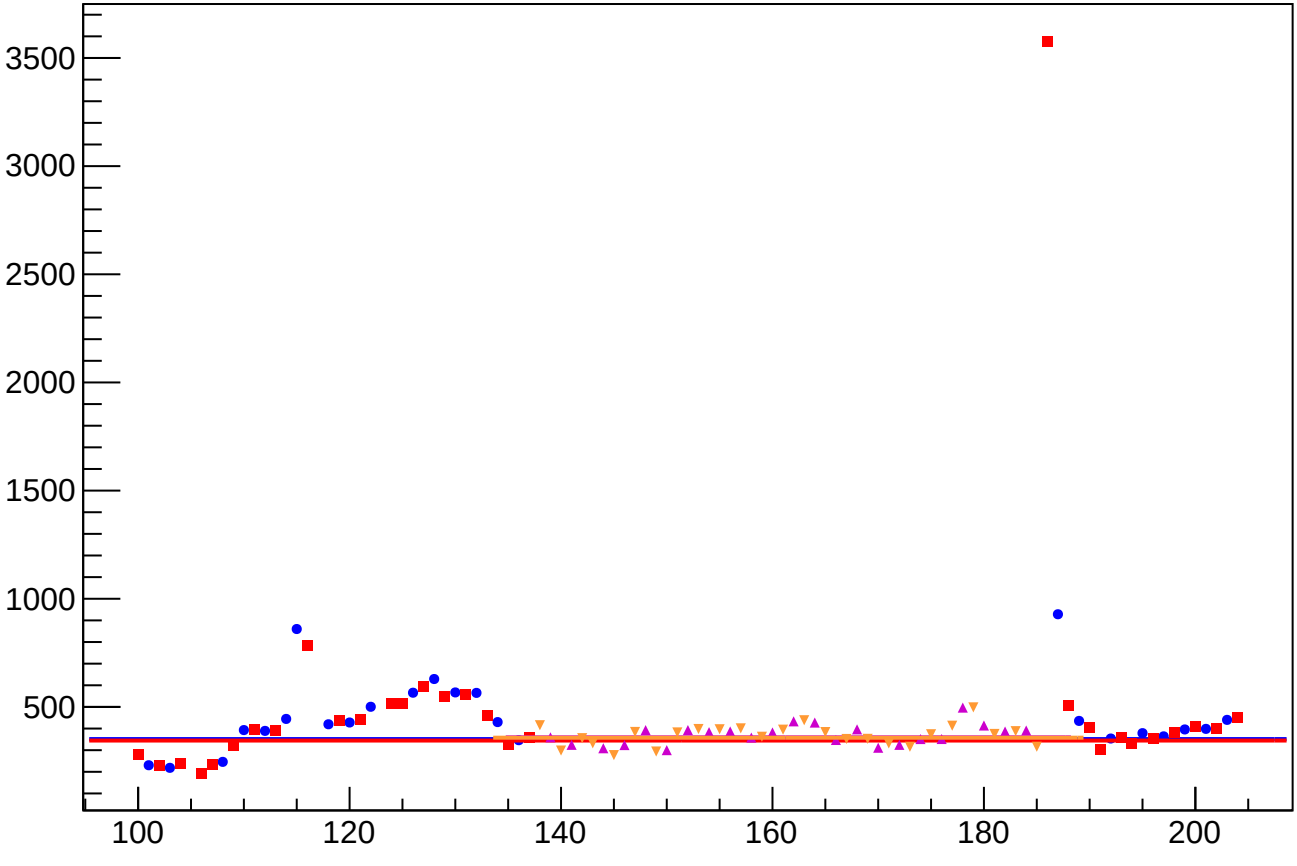
Right: -80.241+/-68.366 χ^2/NDF: 51.8/53

In: 18.510+/-65.014 χ^2/NDF:51.9/46

Out: 63.651+/-61.577 χ^2/NDF:72.2/54

All: 42.306+/-44.708 χ^2/NDF: 124.4/101

asym_sam_37_48_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 351.362+/-0.072 χ^2/NDF: 2115759.5/23

Left Out: 357.731+/-0.058 χ^2/NDF:683730.4/24

Right Out: 344.565+/-0.066 χ^2/NDF: 2976130.4/29

Left In: 359.350+/-0.060 χ^2/NDF:519759.9/22

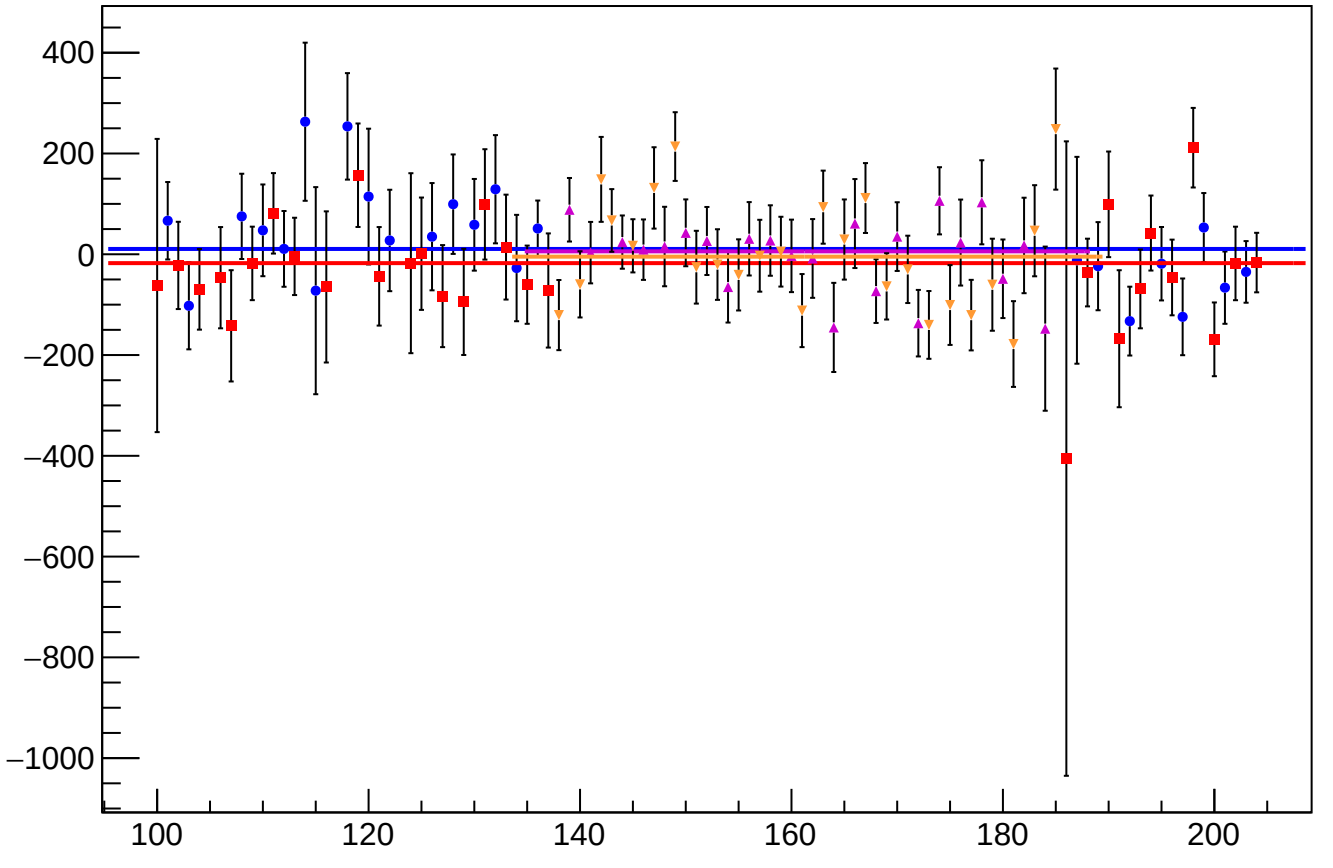
Left: 358.517+/-0.042 χ^2/NDF: 1203865.1/47

Right: 347.667+/-0.048 χ^2/NDF: 5096795.4/53

In: 356.053+/-0.046 χ^2/NDF:2642836.8/46

Out: 351.925+/-0.044 χ^2/NDF:3682403.2/54

All: 353.877+/-0.032 χ^2/NDF: 6329491.3/101



Right In: 10.551+/-17.497 χ^2/NDF: 24.6/23

Left Out: -4.748+/-14.432 χ^2/NDF:47.4/24

Right Out: -17.591+/-16.502 χ^2/NDF: 26.0/29

Left In: 5.775+/-14.931 χ^2/NDF:18.3/22

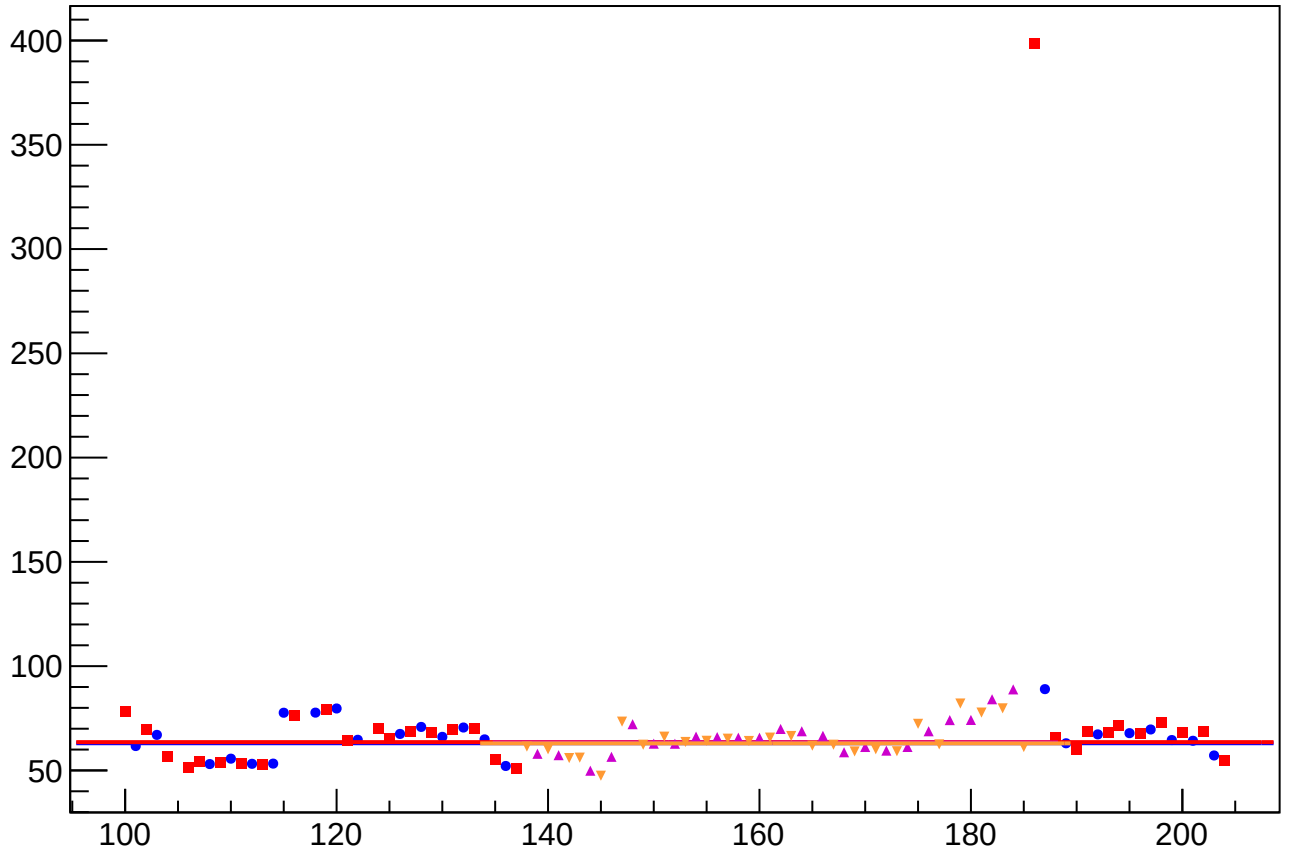
Left: 0.335+/-10.377 χ^2/NDF: 65.9/47

Right: -4.342+/-12.005 χ^2/NDF: 52.0/53

In: 7.788+/-11.358 χ^2/NDF:43.0/46

Out: -10.313+/-10.863 χ^2/NDF:73.7/54

All: -1.665+/-7.851 χ^2/NDF: 118.0/101



Right In: 63.043+/-0.012 χ^2/NDF: 357443.4/23

Left Out: 62.976+/-0.010 χ^2/NDF:526859.8/24

Right Out: 63.568+/-0.012 χ^2/NDF: 1013377.8/29

Left In: 63.365+/-0.011 χ^2/NDF:496926.2/22

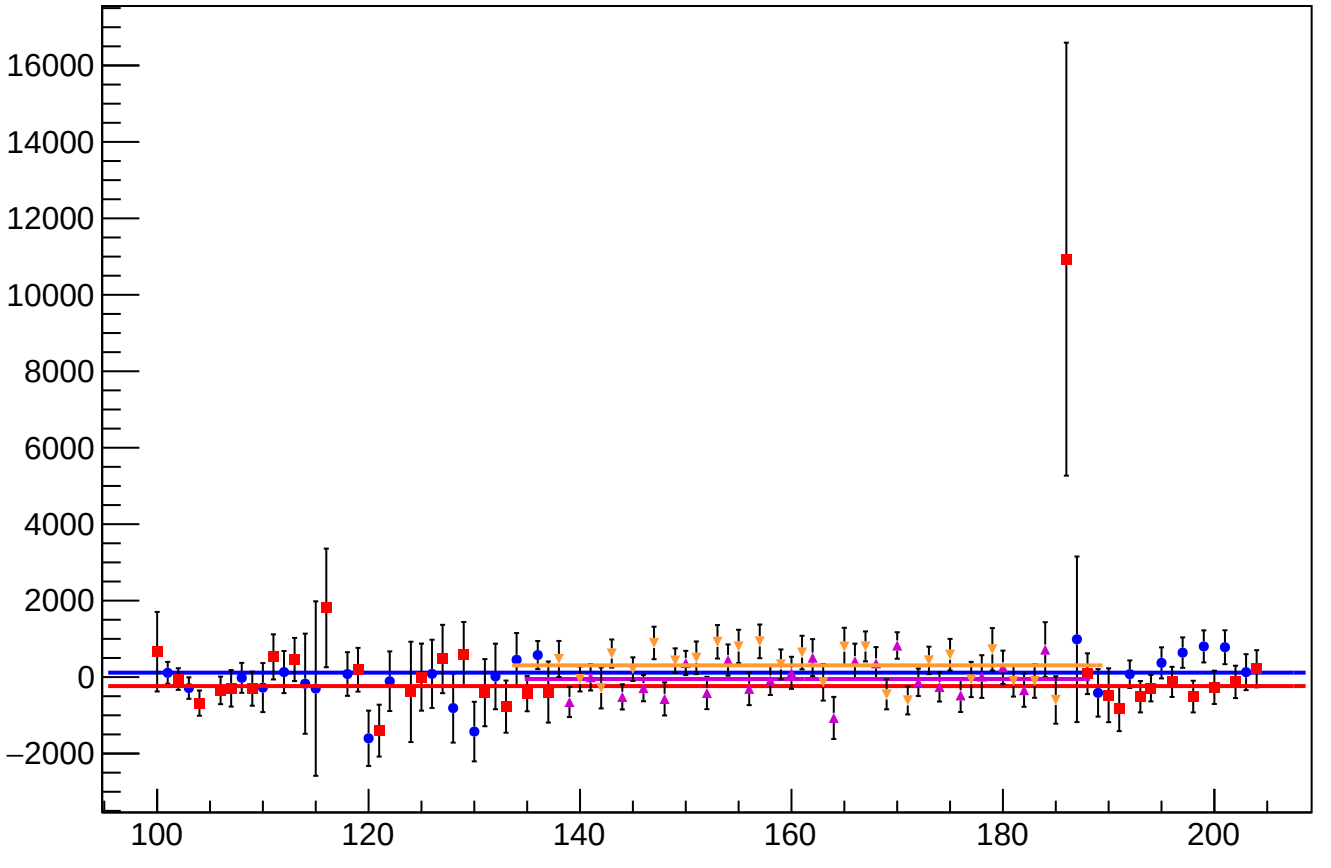
Left: 63.164+/-0.007 χ^2/NDF: 1024488.6/47

Right: 63.321+/-0.008 χ^2/NDF: 1371771.1/53

In: 63.230+/-0.008 χ^2/NDF:854761.4/46

Out: 63.232+/-0.008 χ^2/NDF:1541693.2/54

All: 63.231+/-0.006 χ^2/NDF: 2396454.7/101



Right In: 116.045+/-101.199 χ^2/NDF: 23.1/23

Left Out: 307.177+/-82.361 χ^2/NDF:30.6/24

Right Out: -235.287+/-93.025 χ^2/NDF: 21.4/29

Left In: -50.029+/-84.838 χ^2/NDF:27.3/22

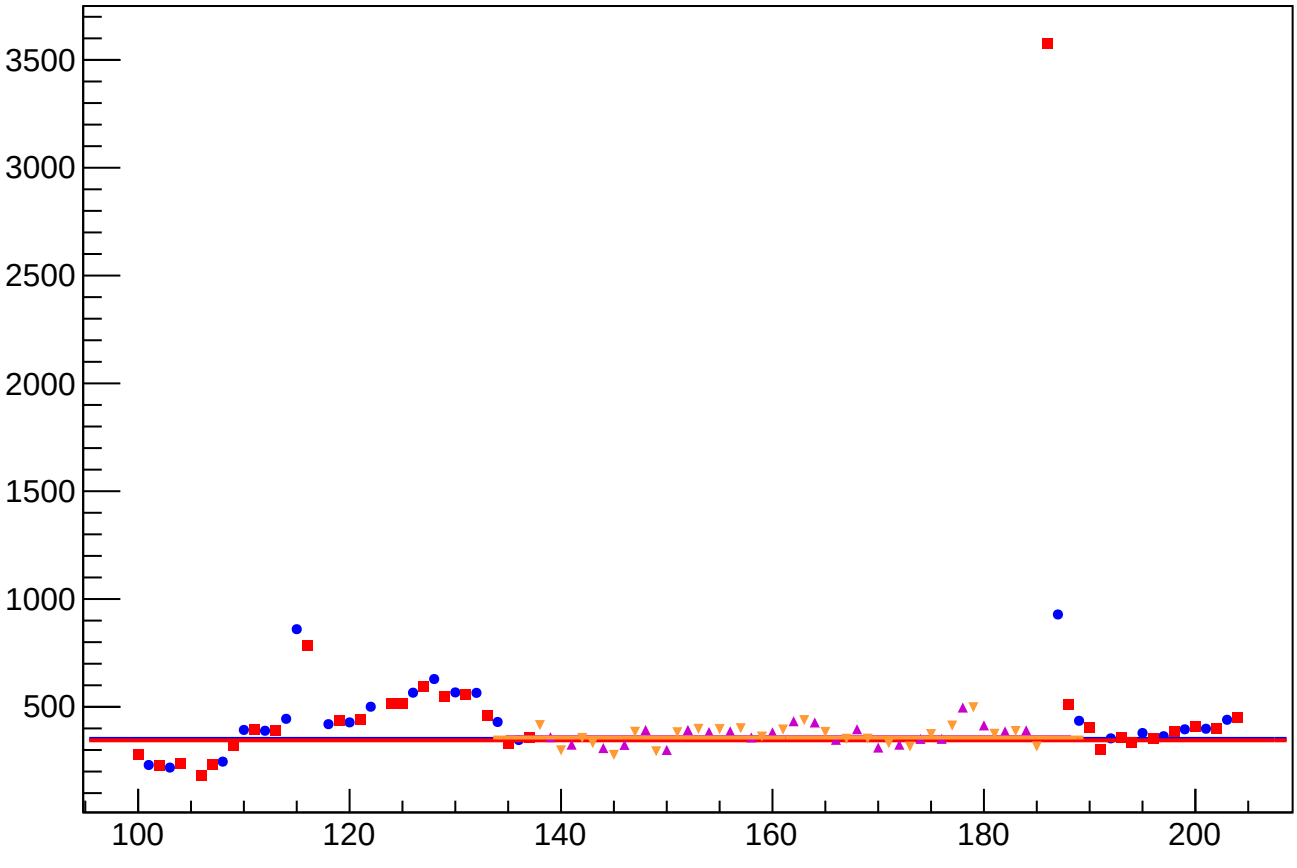
Left: 133.864+/-59.094 χ^2/NDF: 67.0/47

Right: -74.382+/-68.486 χ^2/NDF: 51.0/53

In: 18.515+/-65.015 χ^2/NDF:51.9/46

Out: 68.805+/-61.665 χ^2/NDF:71.1/54

All: 44.989+/-44.741 χ^2/NDF: 123.3/101



Right In: 351.364+/-0.072 χ^2/NDF: 2115680.5/23

Left Out: 357.732+/-0.058 χ^2/NDF:683726.4/24

Right Out: 344.872+/-0.066 χ^2/NDF: 2991579.9/29

Left In: 359.350+/-0.060 χ^2/NDF:519762.7/22

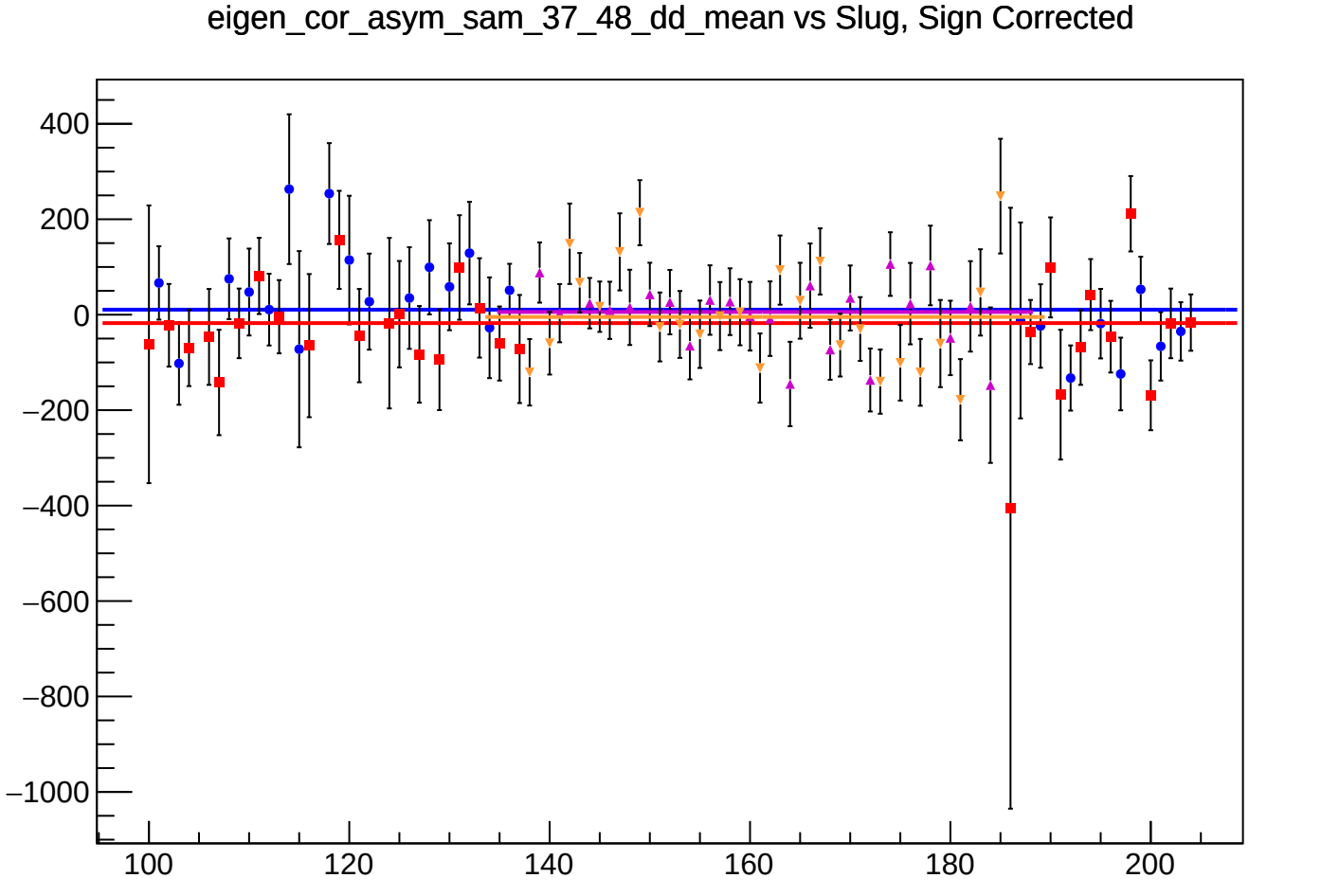
Left: 358.517+/-0.042 χ^2/NDF: 1203863.9/47

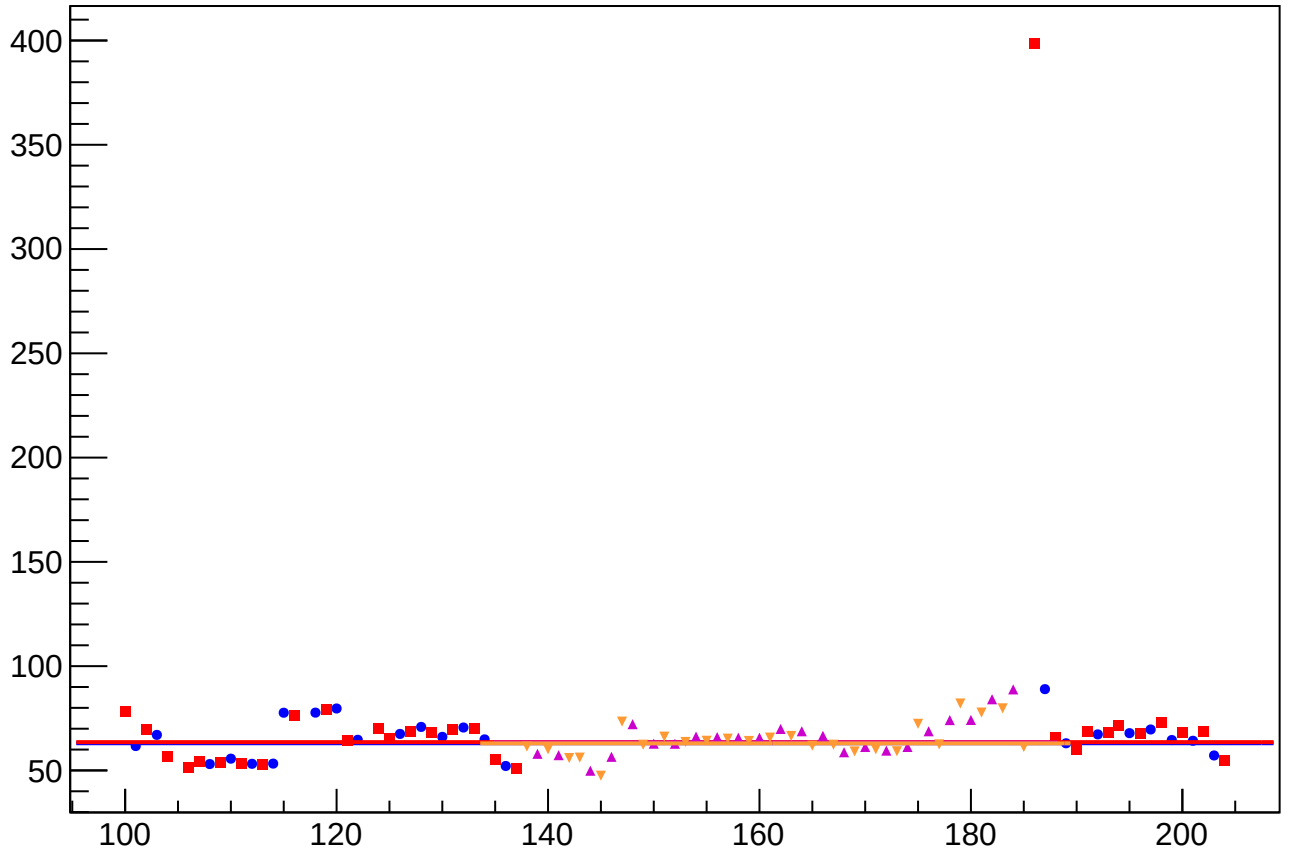
Right: 347.846+/-0.048 χ^2/NDF: 5111721.1/53

In: 356.054+/-0.046 χ^2/NDF:2642757.2/46

Out: 352.081+/-0.044 χ^2/NDF:3696729.7/54

All: 353.963+/-0.032 χ^2/NDF: 6343418.7/101


eigen_cor_asym_sam_37_48_dd_mean vs Slug, Sign Corrected
400
200
0
−200
−400
−600
−800
−1000
100
120
140
160
180
200
Right In: 10.551+/-17.497 χ²/NDF: 24.6/23
Left Out: -4.748+/-14.432 χ²/NDF:47.4/24
Right Out: -17.591+/-16.502 χ²/NDF: 26.0/29
Left In: 5.775+/-14.931 χ²/NDF:18.3/22
Left: 0.335+/-10.377 χ²/NDF: 65.9/47
Right: -4.342+/-12.005 χ²/NDF: 52.0/53
In: 7.788+/-11.358 χ²/NDF:43.0/46
Out: -10.313+/-10.863 χ²/NDF:73.7/54
All: -1.665+/-7.851 χ²/NDF: 118.0/101



Right In: 63.043+/-0.012 χ^2/NDF: 357443.4/23

Left Out: 62.976+/-0.010 χ^2/NDF:526859.8/24

Right Out: 63.568+/-0.012 χ^2/NDF: 1013377.8/29

Left In: 63.365+/-0.011 χ^2/NDF:496926.2/22

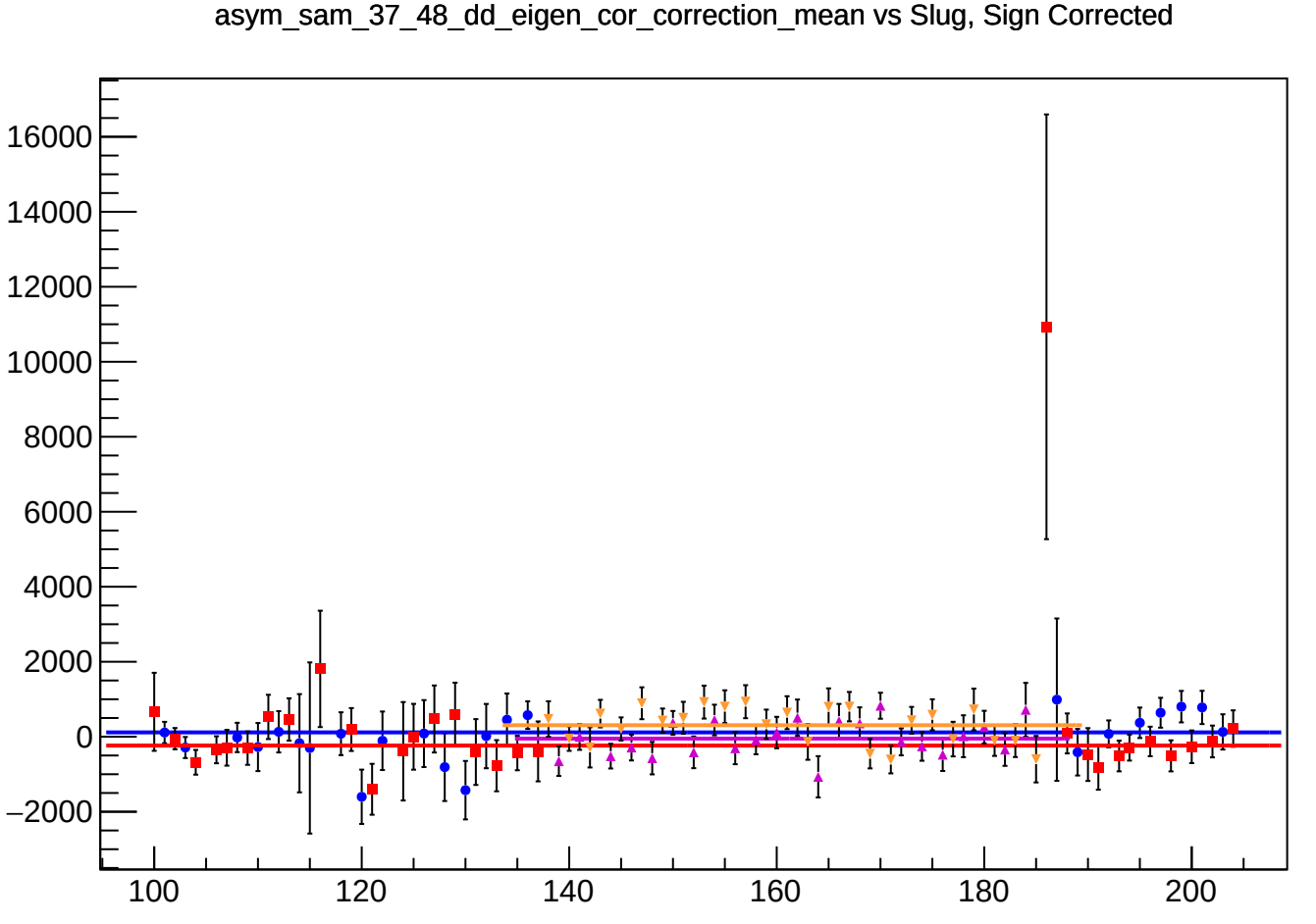
Left: 63.164+/-0.007 χ^2/NDF: 1024488.6/47

Right: 63.321+/-0.008 χ^2/NDF: 1371771.1/53

In: 63.230+/-0.008 χ^2/NDF:854761.4/46

Out: 63.232+/-0.008 χ^2/NDF:1541693.2/54

All: 63.231+/-0.006 χ^2/NDF: 2396454.7/101



Right In: 116.045+/-101.199 χ^2/NDF: 23.1/23

Left Out: 307.177+/-82.361 χ^2/NDF:30.6/24

Right Out: -235.287+/-93.025 χ^2/NDF: 21.4/29

Left In: -50.029+/-84.838 χ^2/NDF:27.3/22

Left: 133.864+/-59.094 χ^2/NDF: 67.0/47

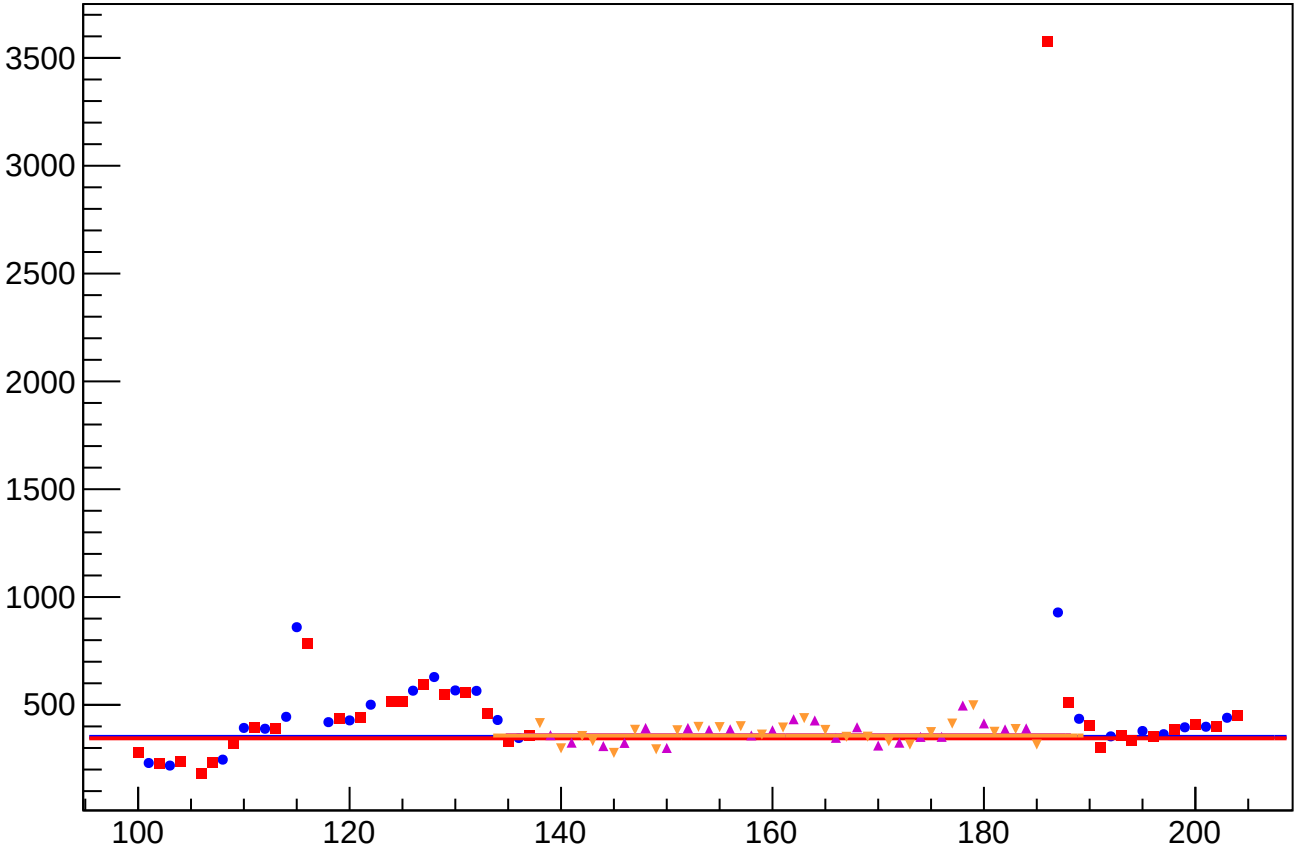
Right: -74.382+/-68.486 χ^2/NDF: 51.0/53

In: 18.515+/-65.015 χ^2/NDF:51.9/46

Out: 68.805+/-61.665 χ^2/NDF:71.1/54

All: 44.989+/-44.741 χ^2/NDF: 123.3/101

asym_sam_37_48_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 351.364+/-0.072 χ^2/NDF: 2115680.5/23

Left Out: 357.732+/-0.058 χ^2/NDF:683726.4/24

Right Out: 344.872+/-0.066 χ^2/NDF: 2991579.9/29

Left In: 359.350+/-0.060 χ^2/NDF:519762.7/22

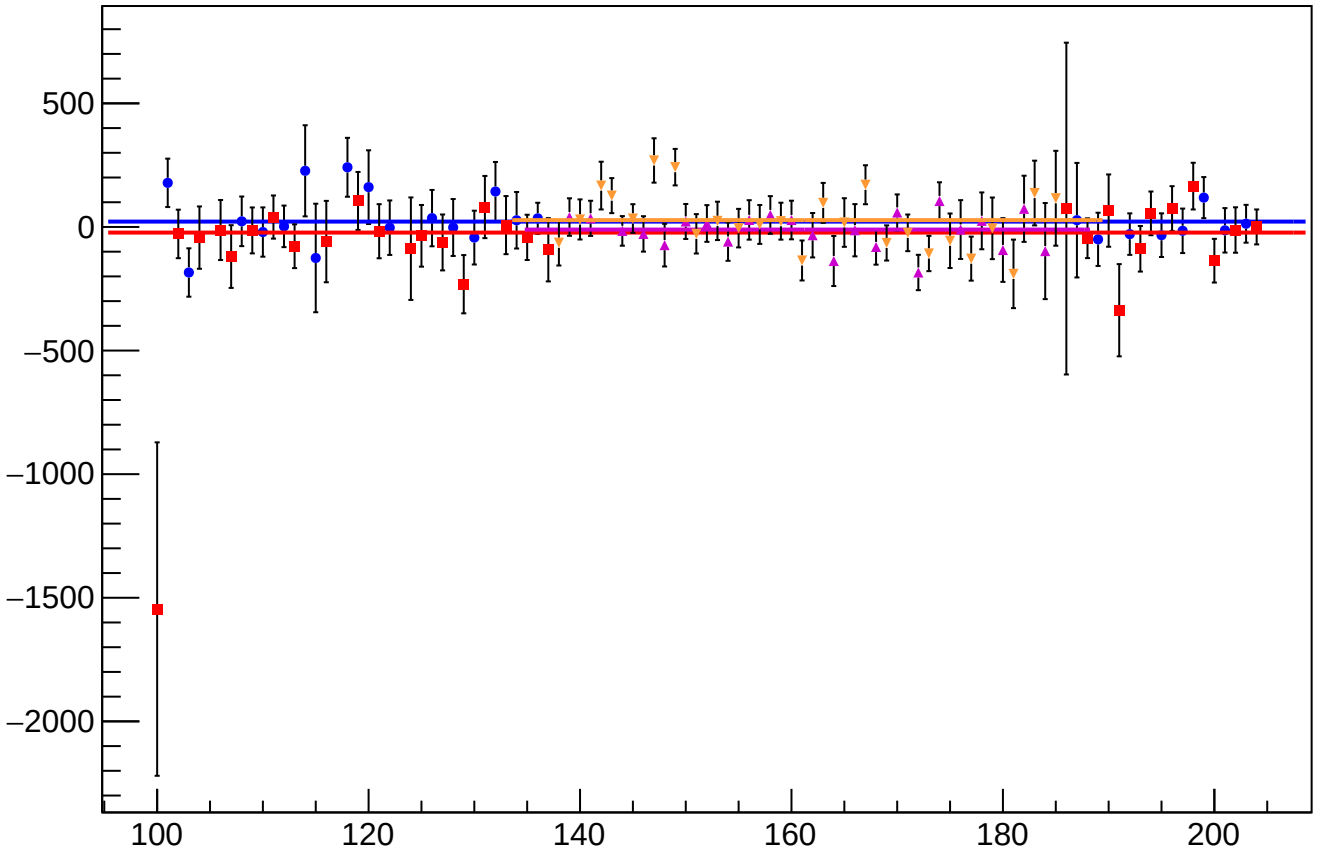
Left: 358.517+/-0.042 χ^2/NDF: 1203863.9/47

Right: 347.846+/-0.048 χ^2/NDF: 5111721.1/53

In: 356.054+/-0.046 χ^2/NDF:2642757.2/46

Out: 352.081+/-0.044 χ^2/NDF:3696729.7/54

All: 353.963+/-0.032 χ^2/NDF: 6343418.7/101



Right In: 21.703+/-20.537 χ^2/NDF: 17.6/23

Left Out: 27.627+/-16.742 χ^2/NDF:42.4/24

Right Out: -22.723+/-19.694 χ^2/NDF: 23.8/29

Left In: -10.521+/-17.225 χ^2/NDF:16.1/22

Left: 9.095+/-12.006 χ^2/NDF: 60.9/47

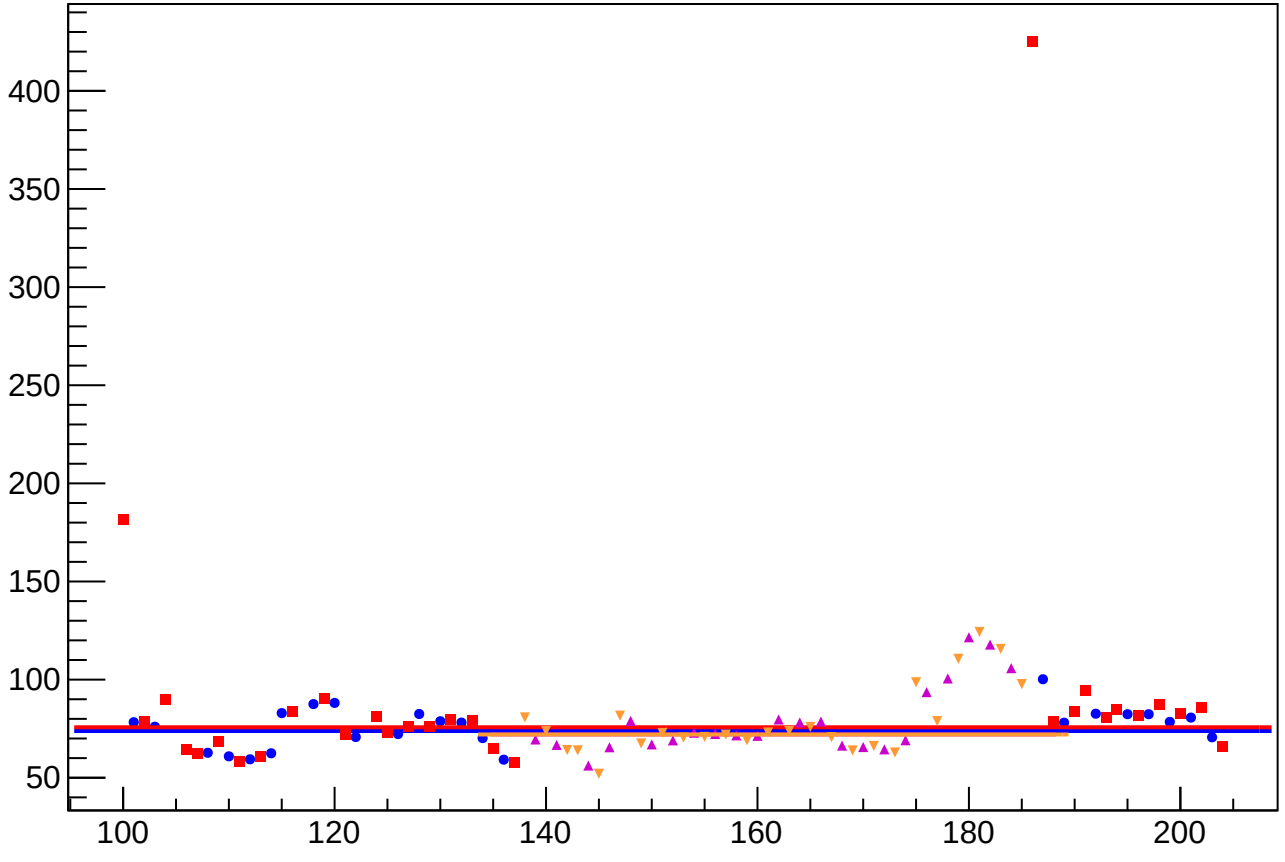
Right: -1.441+/-14.215 χ^2/NDF: 43.9/53

In: 2.786+/-13.198 χ^2/NDF:35.1/46

Out: 6.504+/-12.756 χ^2/NDF:70.0/54

All: 4.708+/-9.172 χ^2/NDF: 105.1/101

dit_asym_sam_37_48_dd_rms vs Slug, Sign Corrected



Right In: 73.816+/-0.015 χ^2/NDF: 416664.9/23

Left Out: 72.041+/-0.012 χ^2/NDF:1269471.8/24

Right Out: 75.713+/-0.014 χ^2/NDF: 1088871.0/29

Left In: 72.092+/-0.012 χ^2/NDF:1058857.2/22

Left: 72.066+/-0.008 χ^2/NDF: 2328338.2/47

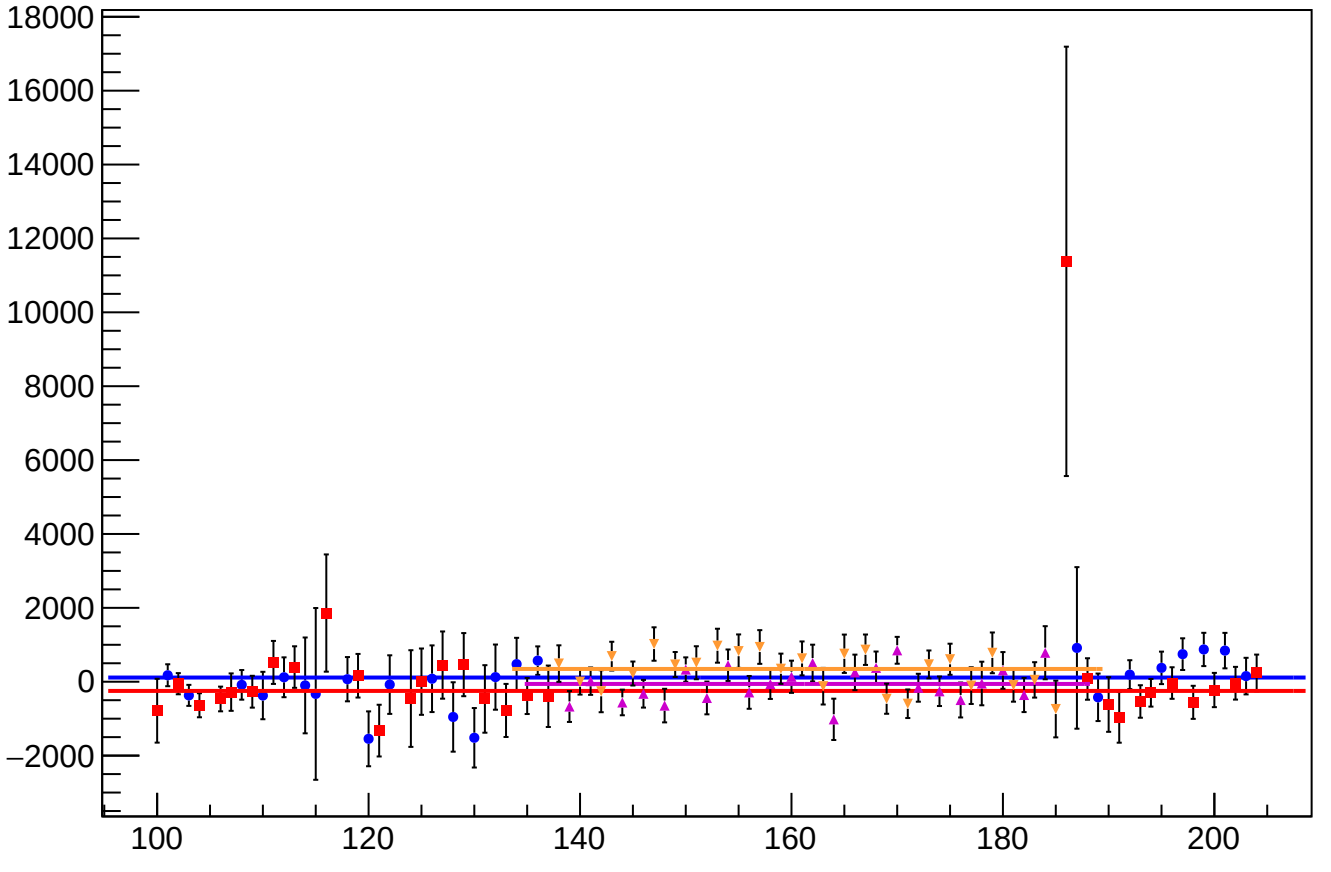
Right: 74.804+/-0.010 χ^2/NDF: 1514417.4/53

In: 72.804+/-0.009 χ^2/NDF:1483798.1/46

Out: 73.581+/-0.009 χ^2/NDF:2398700.5/54

All: 73.206+/-0.006 χ^2/NDF: 3886082.0/101

asym_sam_37_48_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 113.428+/-105.554 χ^2/NDF: 24.5/23

Left Out: 345.973+/-86.822 χ^2/NDF:28.9/24

Right Out: -248.792+/-95.565 χ^2/NDF: 20.5/29

Left In: -59.908+/-89.411 χ^2/NDF:25.8/22

Left: 148.994+/-62.288 χ^2/NDF: 65.4/47

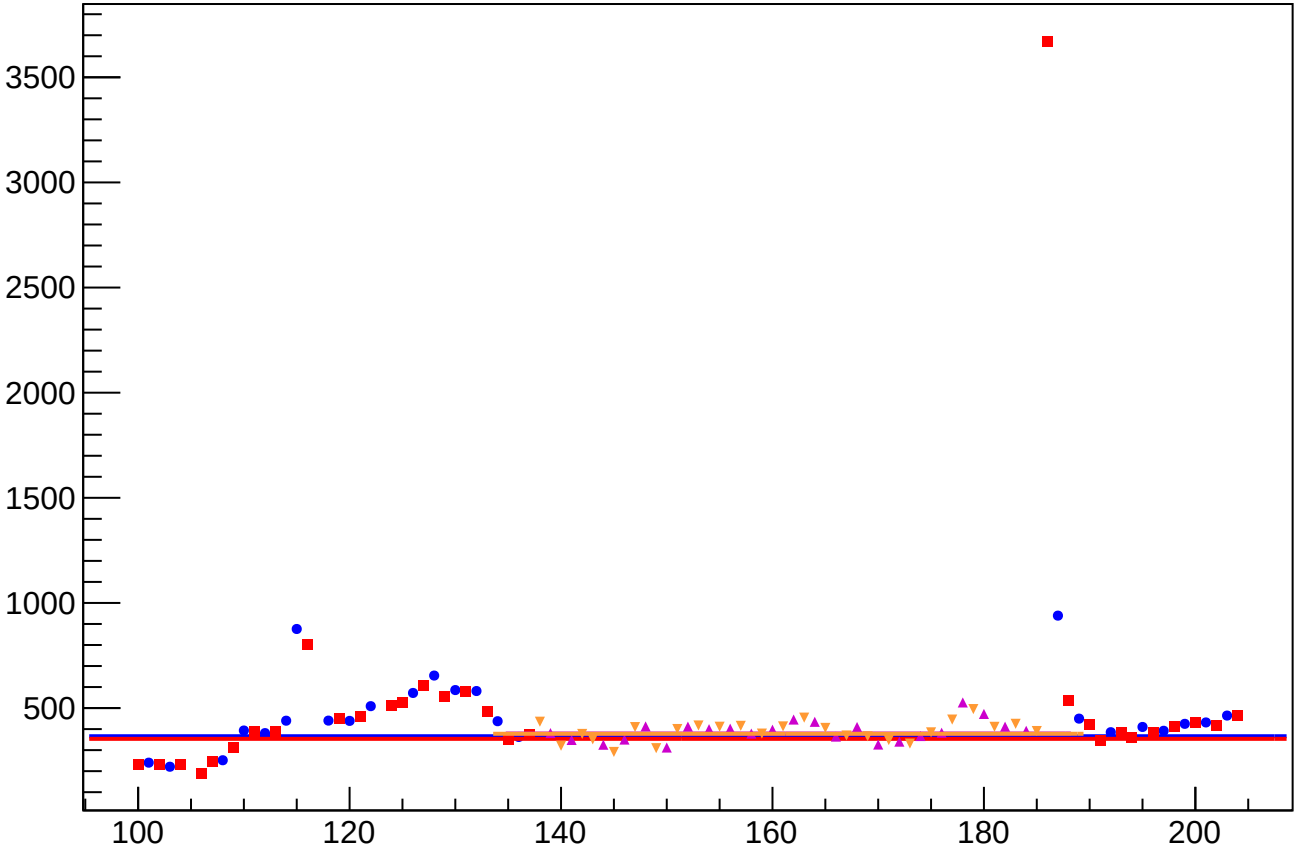
Right: -85.629+/-70.844 χ^2/NDF: 51.5/53

In: 12.506+/-68.225 χ^2/NDF:51.9/46

Out: 77.035+/-64.262 χ^2/NDF:70.7/54

All: 46.699+/-46.778 χ^2/NDF: 123.0/101

asym_sam_37_48_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 366.087+/-0.075 χ^2/NDF: 2198213.8/23

Left Out: 377.797+/-0.061 χ^2/NDF:636714.9/24

Right Out: 353.660+/-0.068 χ^2/NDF: 3251197.7/29

Left In: 378.869+/-0.063 χ^2/NDF:527685.1/22

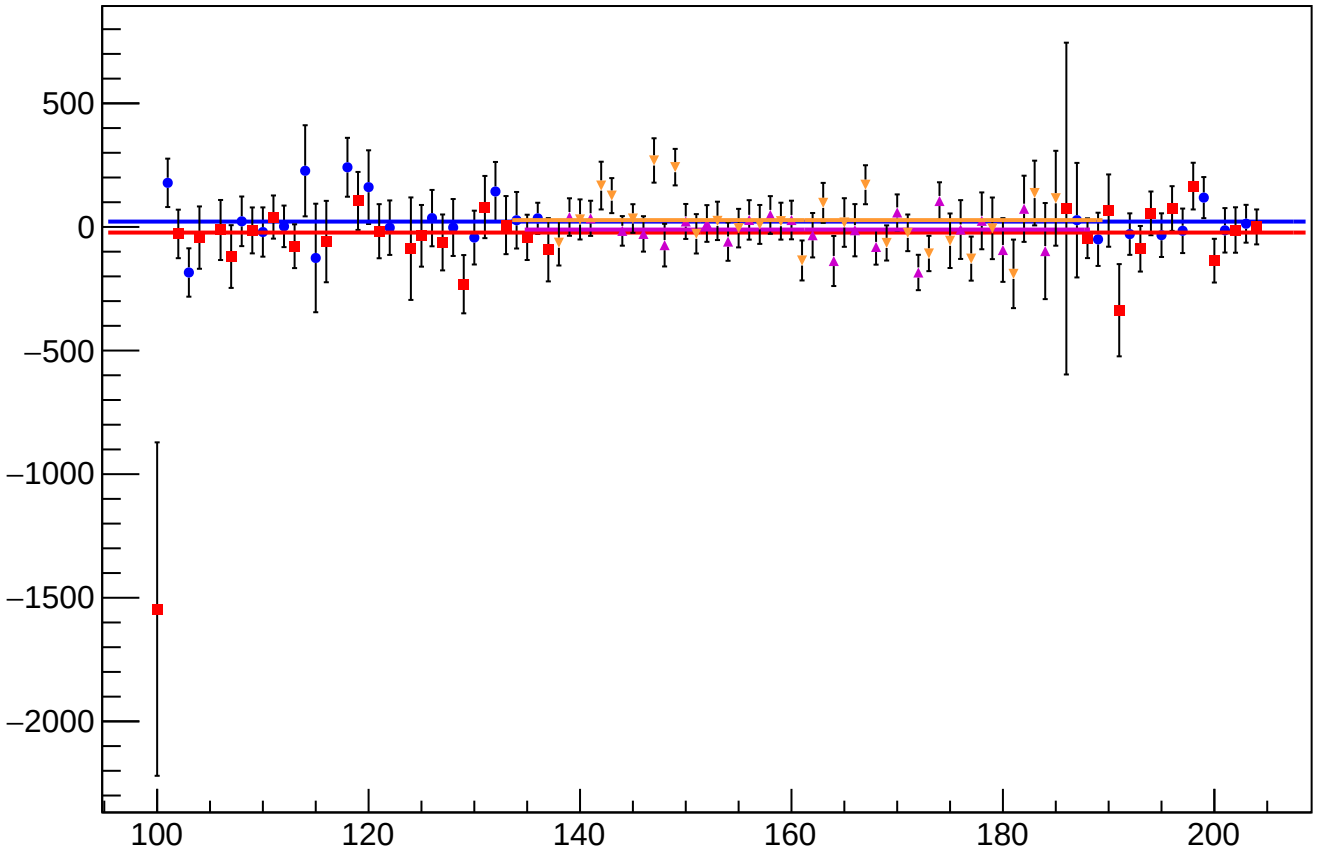
Left: 378.317+/-0.044 χ^2/NDF: 1164548.1/47

Right: 359.258+/-0.050 χ^2/NDF: 5464646.9/53

In: 373.529+/-0.048 χ^2/NDF:2742974.3/46

Out: 366.883+/-0.045 χ^2/NDF:3957806.1/54

All: 370.007+/-0.033 χ^2/NDF: 6710839.5/101



Right In: 21.704+/-20.537 χ^2/NDF: 17.6/23

Left Out: 27.626+/-16.742 χ^2/NDF:42.4/24

Right Out: -22.723+/-19.694 χ^2/NDF: 23.8/29

Left In: -10.521+/-17.225 χ^2/NDF:16.1/22

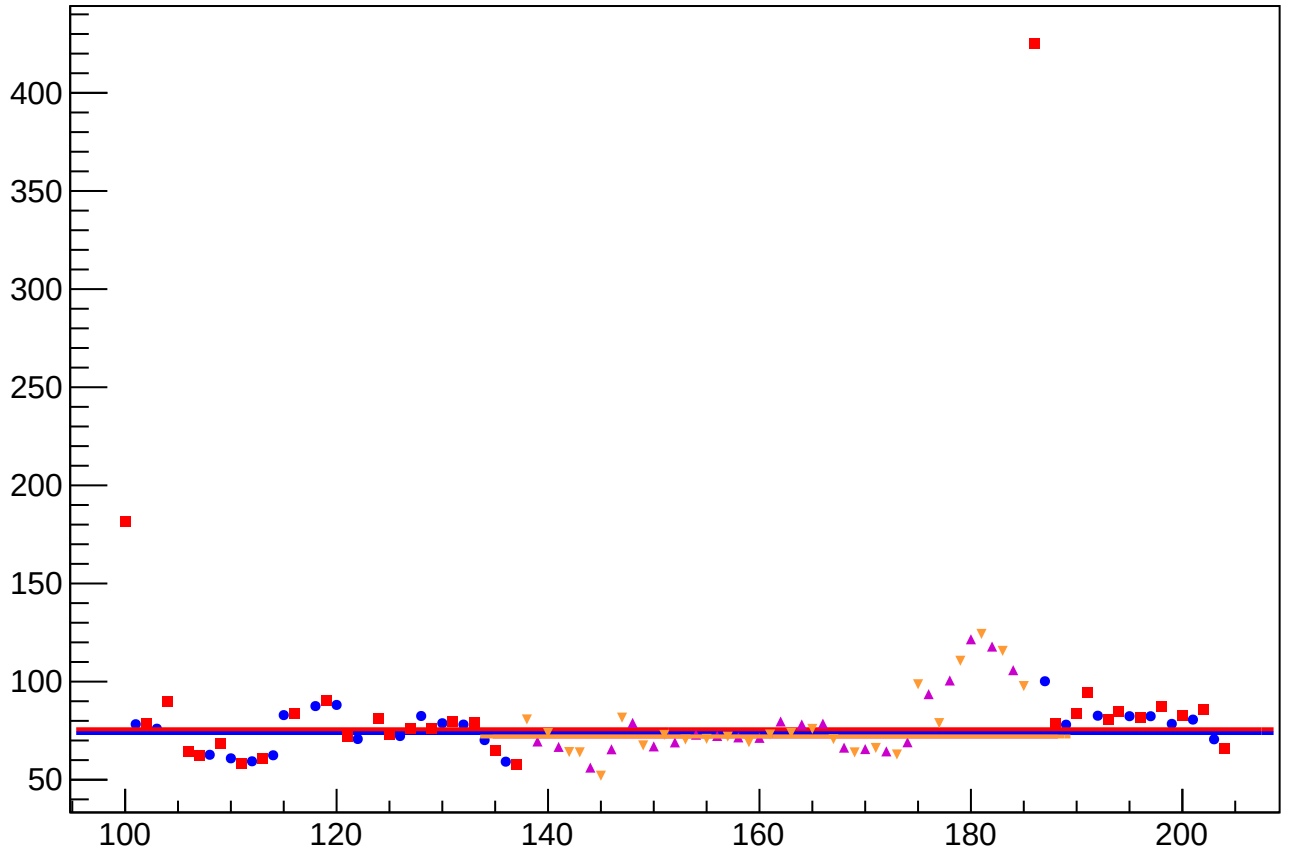
Left: 9.095+/-12.006 χ^2/NDF: 60.9/47

Right: -1.441+/-14.215 χ^2/NDF: 43.9/53

In: 2.786+/-13.198 χ^2/NDF:35.1/46

Out: 6.504+/-12.756 χ^2/NDF:69.9/54

All: 4.708+/-9.172 χ^2/NDF: 105.1/101



Right In: 73.816+/-0.015 χ^2/NDF: 416661.8/23

Left Out: 72.041+/-0.012 χ^2/NDF:1269479.1/24

Right Out: 75.712+/-0.014 χ^2/NDF: 1088874.7/29

Left In: 72.092+/-0.012 χ^2/NDF:1058847.4/22

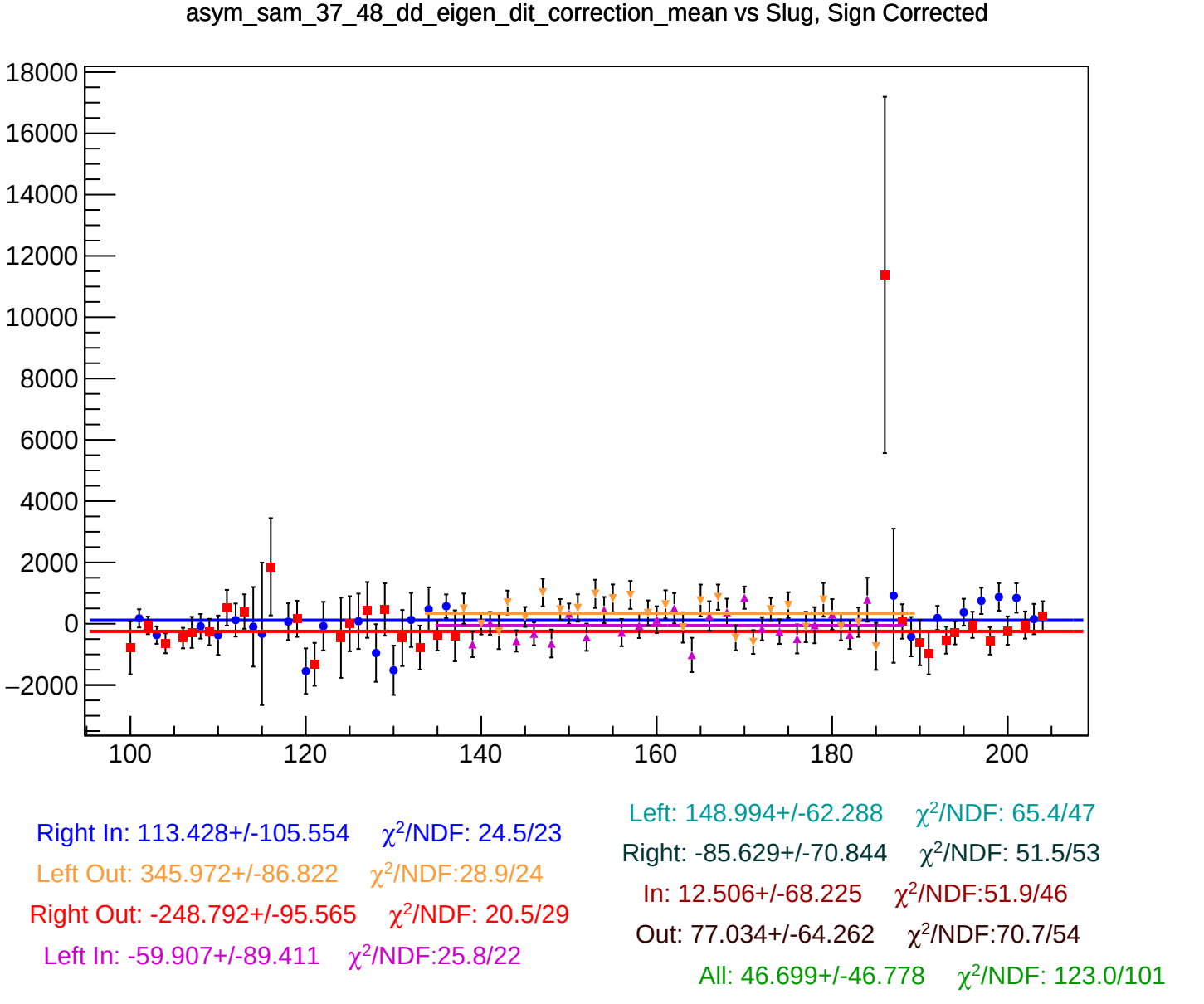
Left: 72.066+/-0.008 χ^2/NDF: 2328335.7/47

Right: 74.804+/-0.010 χ^2/NDF: 1514417.2/53

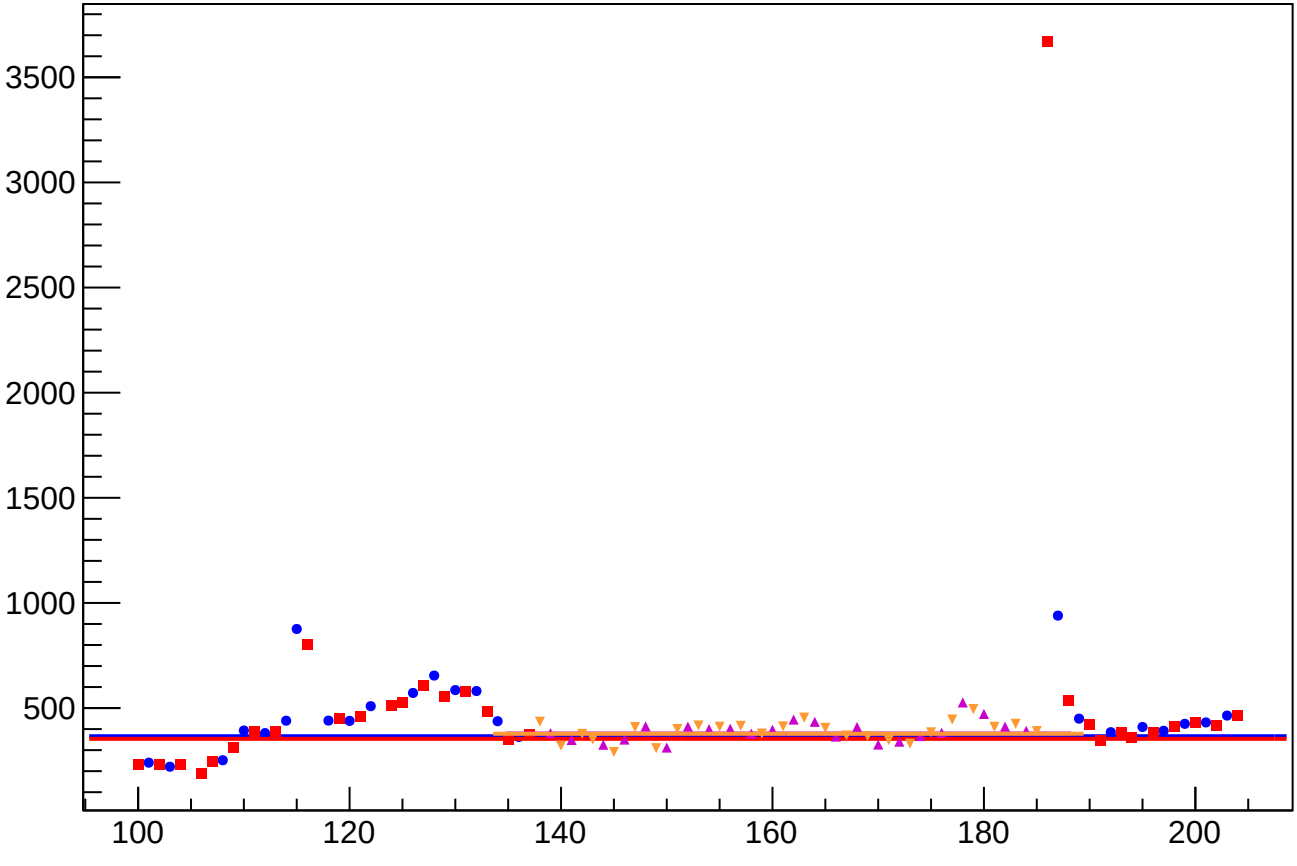
In: 72.804+/-0.009 χ^2/NDF:1483785.2/46

Out: 73.581+/-0.009 χ^2/NDF:2398709.7/54

All: 73.206+/-0.006 χ^2/NDF: 3886078.1/101


asym_sam_37_48_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
18000
16000
14000
12000
10000
8000
6000
4000
2000
0
−2000
100
120
140
160
180
200
Right In: 113.428+/-105.554 χ²/NDF: 24.5/23
Left Out: 345.972+/-86.822 χ²/NDF:28.9/24
Right Out: -248.792+/-95.565 χ²/NDF: 20.5/29
Left In: -59.907+/-89.411 χ²/NDF:25.8/22
Left: 148.994+/-62.288 χ²/NDF: 65.4/47
Right: -85.629+/-70.844 χ²/NDF: 51.5/53
In: 12.506+/-68.225 χ²/NDF:51.9/46
Out: 77.034+/-64.262 χ²/NDF:70.7/54
All: 46.699+/-46.778 χ²/NDF: 123.0/101

asym_sam_37_48_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 366.087+/-0.075 χ^2/NDF: 2198204.1/23

Left Out: 377.796+/-0.061 χ^2/NDF:636714.9/24

Right Out: 353.659+/-0.068 χ^2/NDF: 3251182.8/29

Left In: 378.869+/-0.063 χ^2/NDF:527680.9/22

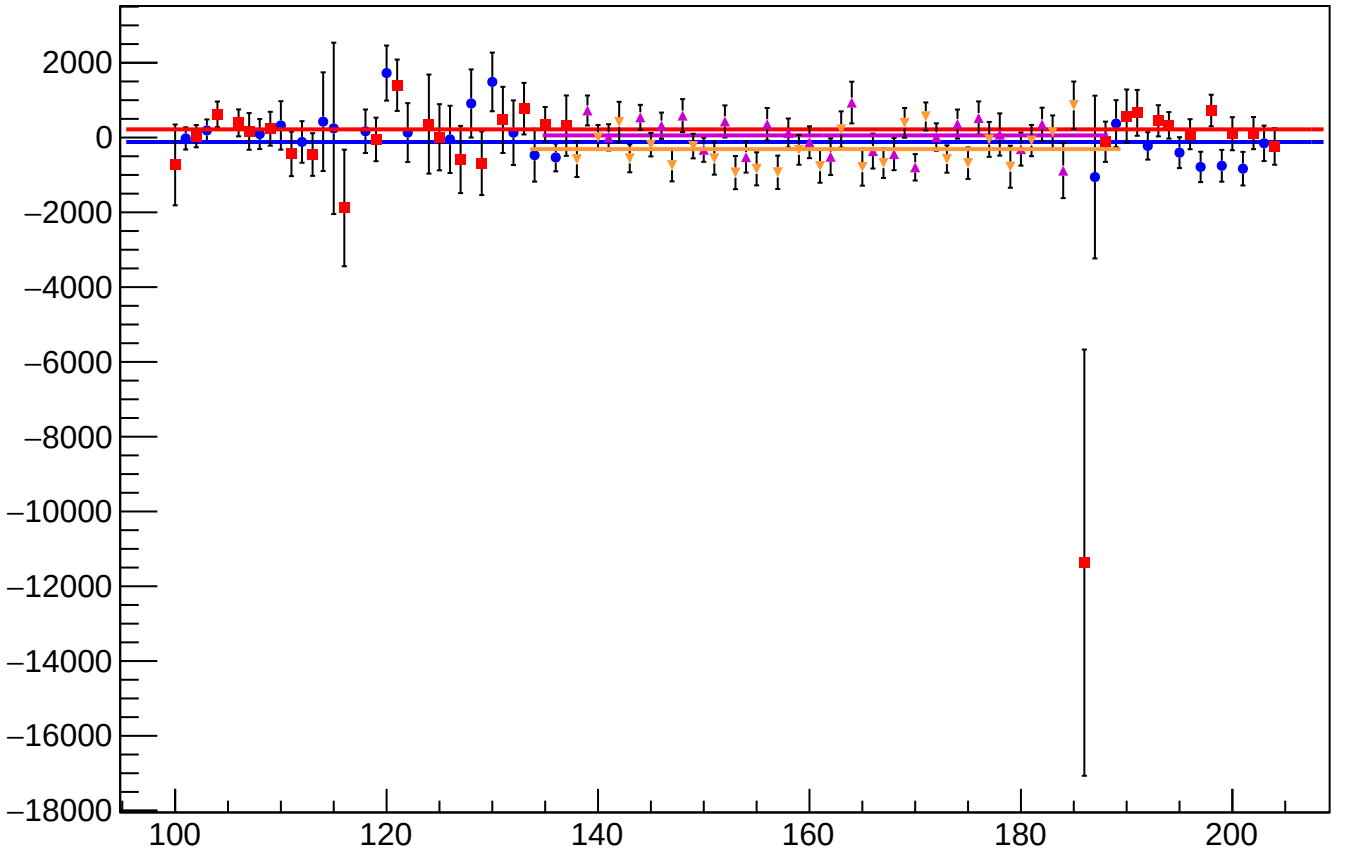
Left: 378.317+/-0.044 χ^2/NDF: 1164543.9/47

Right: 359.258+/-0.050 χ^2/NDF: 5464622.8/53

In: 373.529+/-0.048 χ^2/NDF:2742959.8/46

Out: 366.882+/-0.045 χ^2/NDF:3957790.7/54

All: 370.007+/-0.033 χ^2/NDF: 6710809.9/101



Right In: -118.642+/-103.392 χ^2/NDF: 24.6/23

Left Out: -309.330+/-83.706 χ^2/NDF:30.0/24

Right Out: 219.129+/-94.863 χ^2/NDF: 21.4/29

Left In: 57.543+/-86.225 χ^2/NDF:28.0/22

Left: -131.331+/-60.060 χ^2/NDF: 67.3/47

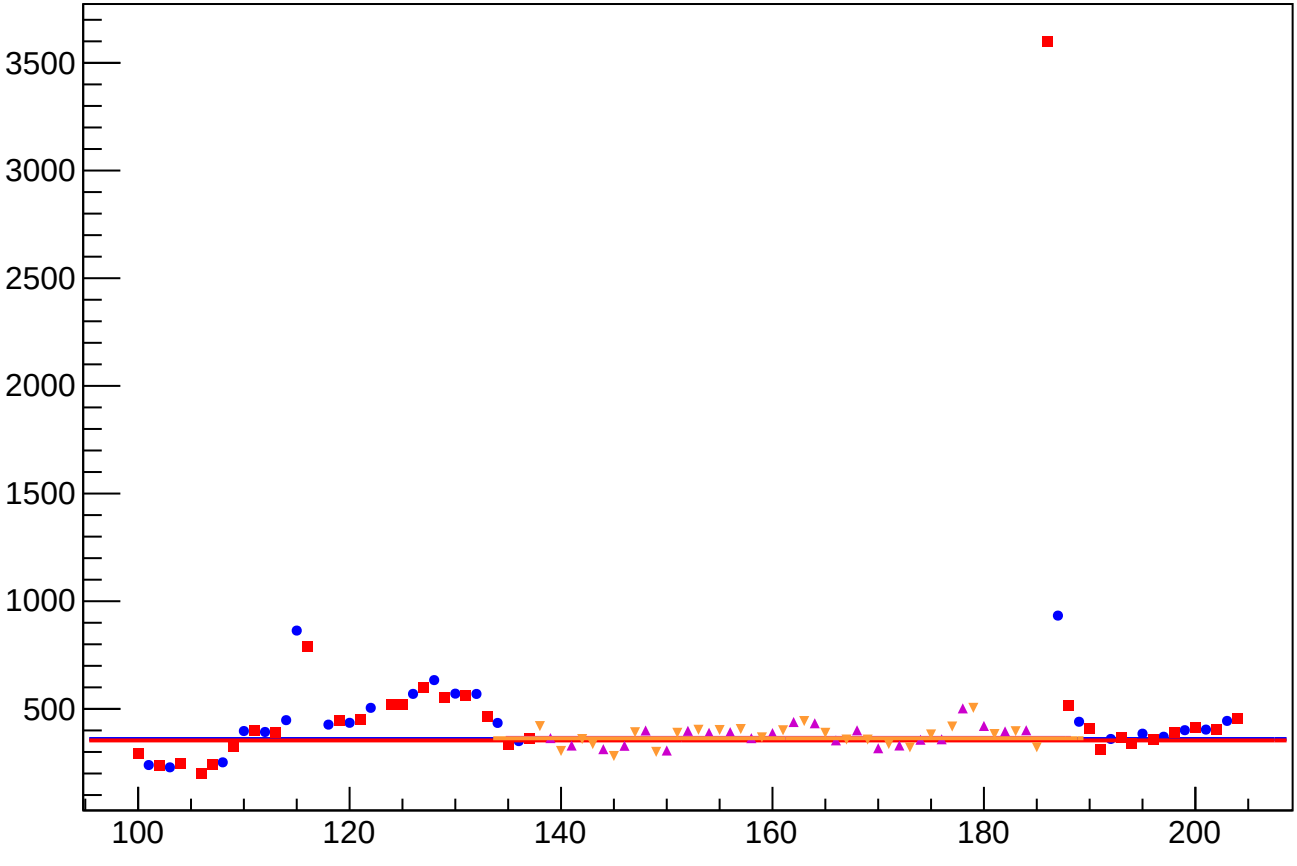
Right: 64.748+/-69.899 χ^2/NDF: 51.8/53

In: -14.728+/-66.219 χ^2/NDF:54.3/46

Out: -77.991+/-62.765 χ^2/NDF:68.8/54

All: -48.052+/-45.554 χ^2/NDF: 123.6/101

asym_sam_37_48_dd_rms vs Slug, Sign Corrected



Right In: 360.091+/-0.073 χ^2/NDF: 1964717.5/23

Left Out: 363.714+/-0.059 χ^2/NDF:669244.7/24

Right Out: 353.683+/-0.067 χ^2/NDF: 2797073.2/29

Left In: 365.324+/-0.061 χ^2/NDF:509496.4/22

Left: 364.495+/-0.042 χ^2/NDF: 1179100.0/47

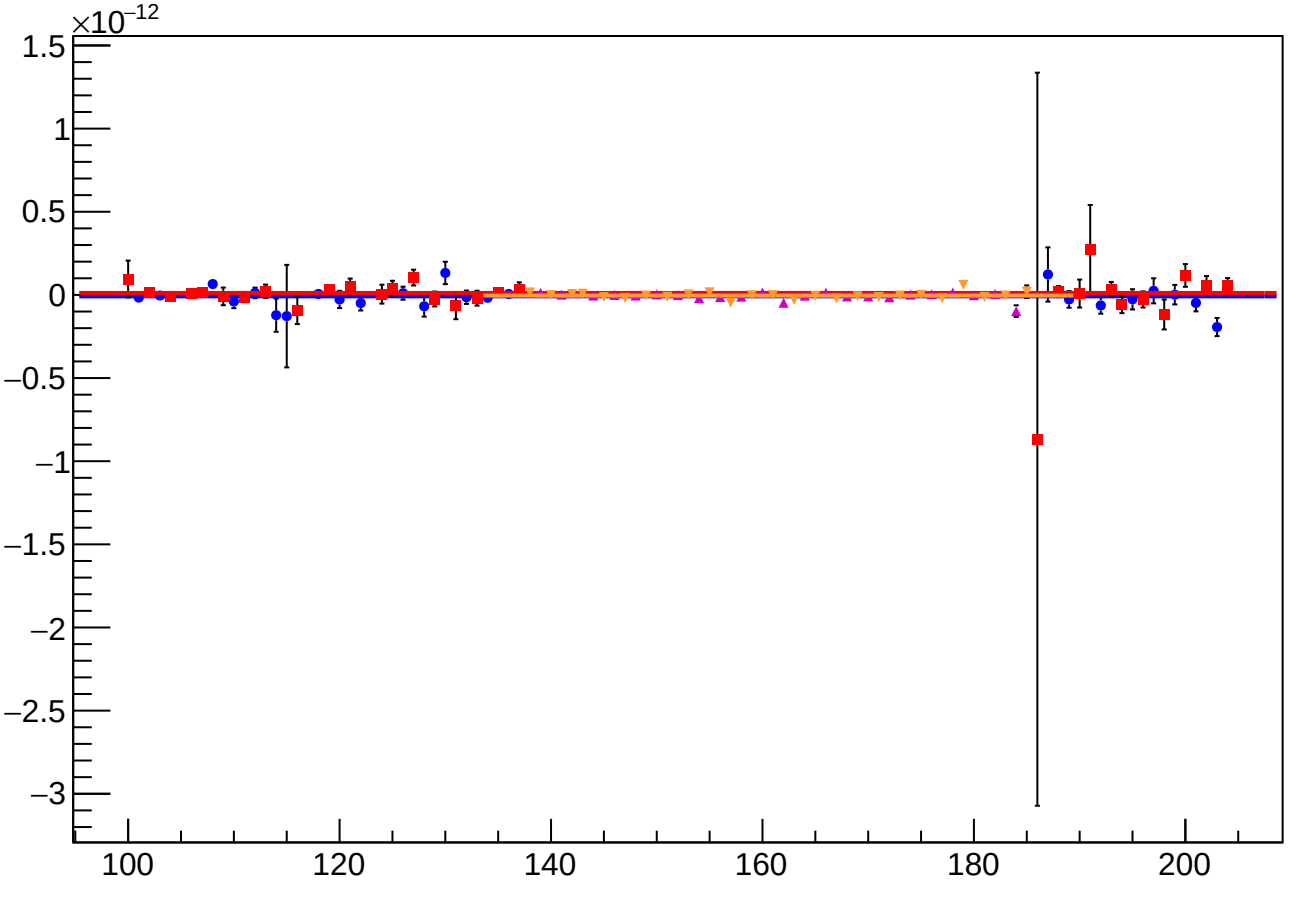
Right: 356.612+/-0.049 χ^2/NDF: 4765962.7/53

In: 363.178+/-0.047 χ^2/NDF:2477235.3/46

Out: 359.323+/-0.044 χ^2/NDF:3478892.0/54

All: 361.147+/-0.032 χ^2/NDF: 5959697.5/101

asym_sam_37_48_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 31.2/23

Left Out: -0.000+/-0.000 χ^2/NDF:21.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 22.7/29

Left In: -0.000+/-0.000 χ^2/NDF:21.7/22

Left: -0.000+/-0.000 χ^2/NDF: 44.3/47

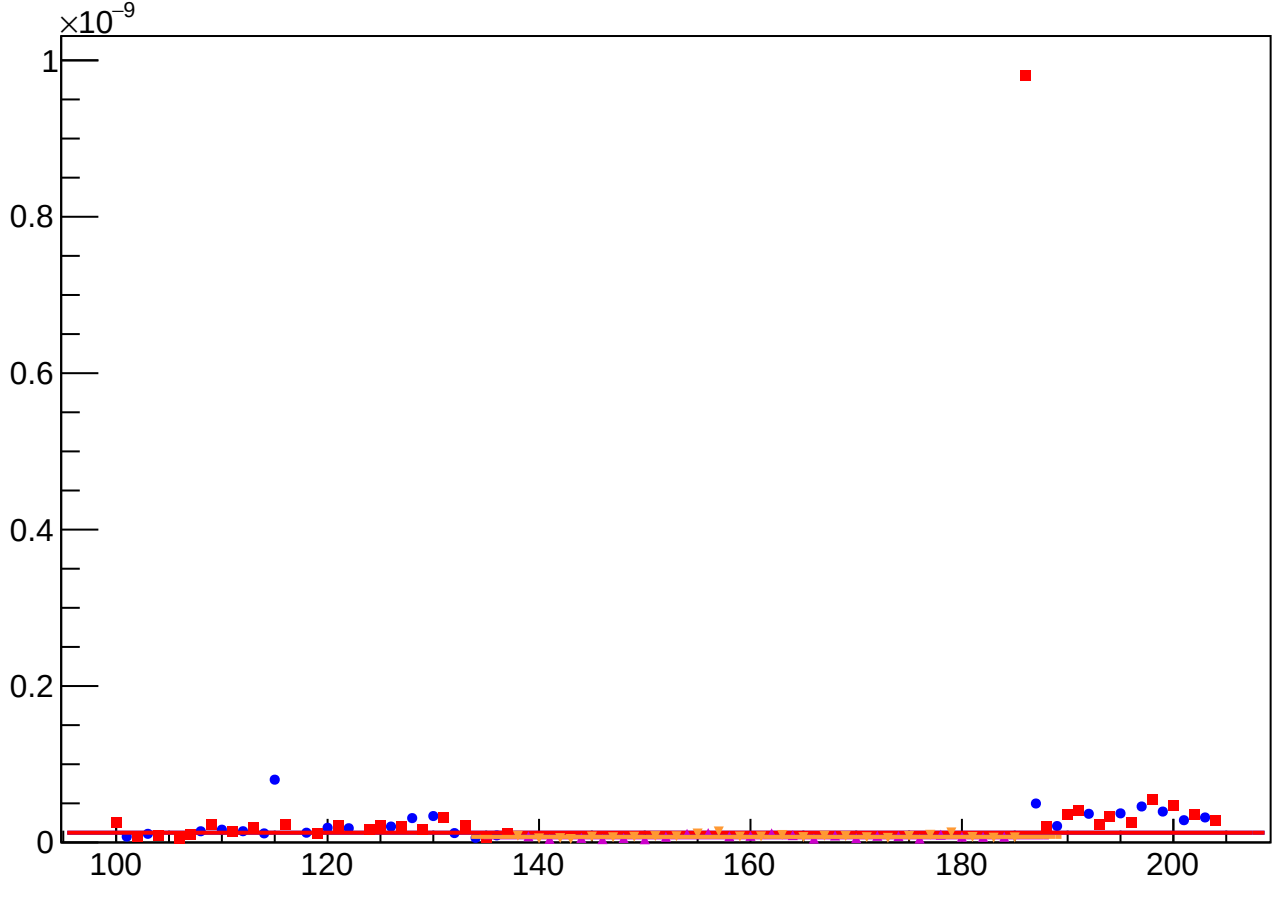
Right: 0.000+/-0.000 χ^2/NDF: 59.6/53

In: -0.000+/-0.000 χ^2/NDF:54.2/46

Out: -0.000+/-0.000 χ^2/NDF:50.6/54

All: -0.000+/-0.000 χ^2/NDF: 104.8/101

asym_sam_37_48_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3618166.8/23

Left Out: 0.000+/-0.000 χ^2/NDF:872904.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4552440.6/29

Left In: 0.000+/-0.000 χ^2/NDF:1216388.8/22

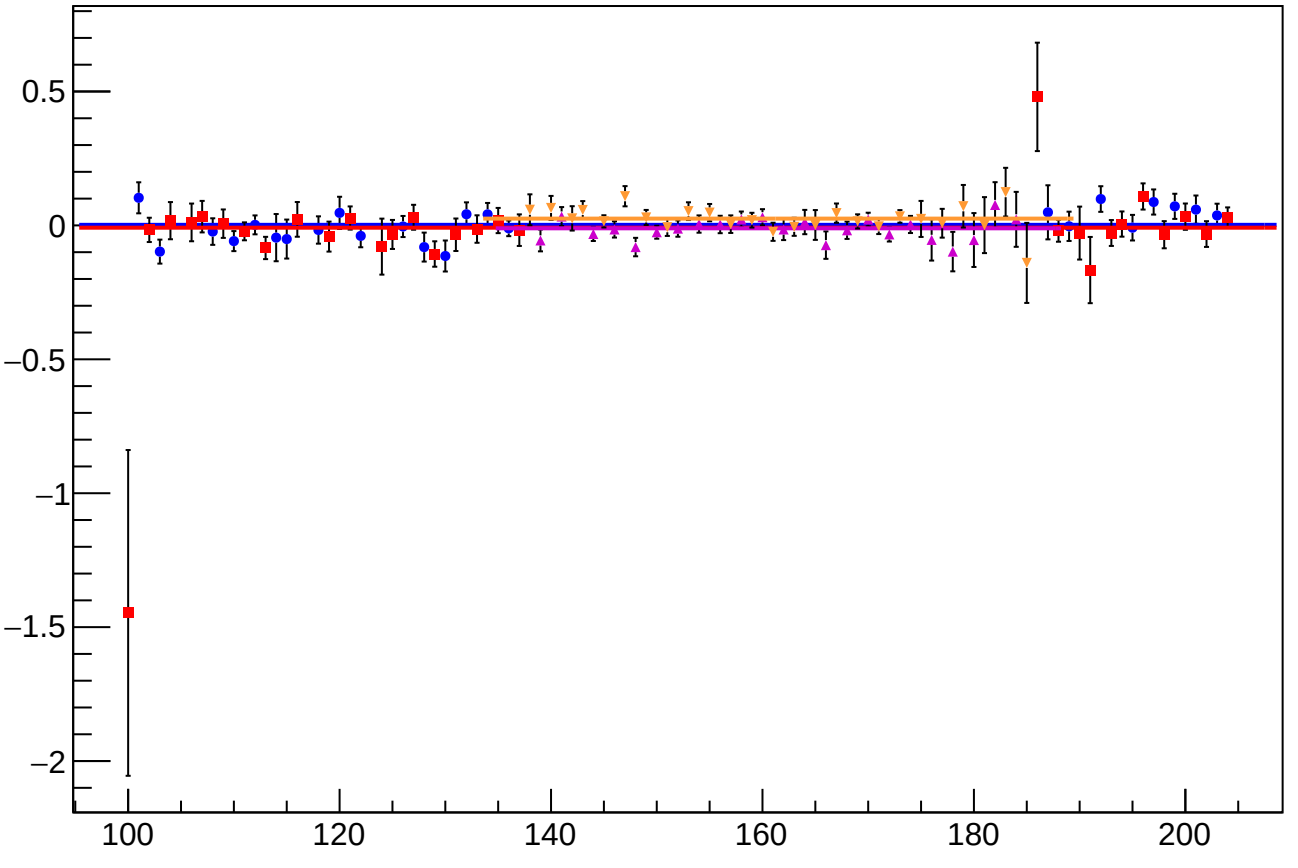
Left: 0.000+/-0.000 χ^2/NDF: 2149252.2/47

Right: 0.000+/-0.000 χ^2/NDF: 8170613.5/53

In: 0.000+/-0.000 χ^2/NDF:6429918.4/46

Out: 0.000+/-0.000 χ^2/NDF:6749081.8/54

All: 0.000+/-0.000 χ^2/NDF: 13243895.4/101



Right In: 0.002+/-0.010 χ^2/NDF: 33.3/23

Left Out: 0.025+/-0.007 χ^2/NDF:17.4/24

Right Out: -0.009+/-0.010 χ^2/NDF: 33.1/29

Left In: -0.011+/-0.007 χ^2/NDF:19.0/22

Left: 0.008+/-0.005 χ^2/NDF: 49.0/47

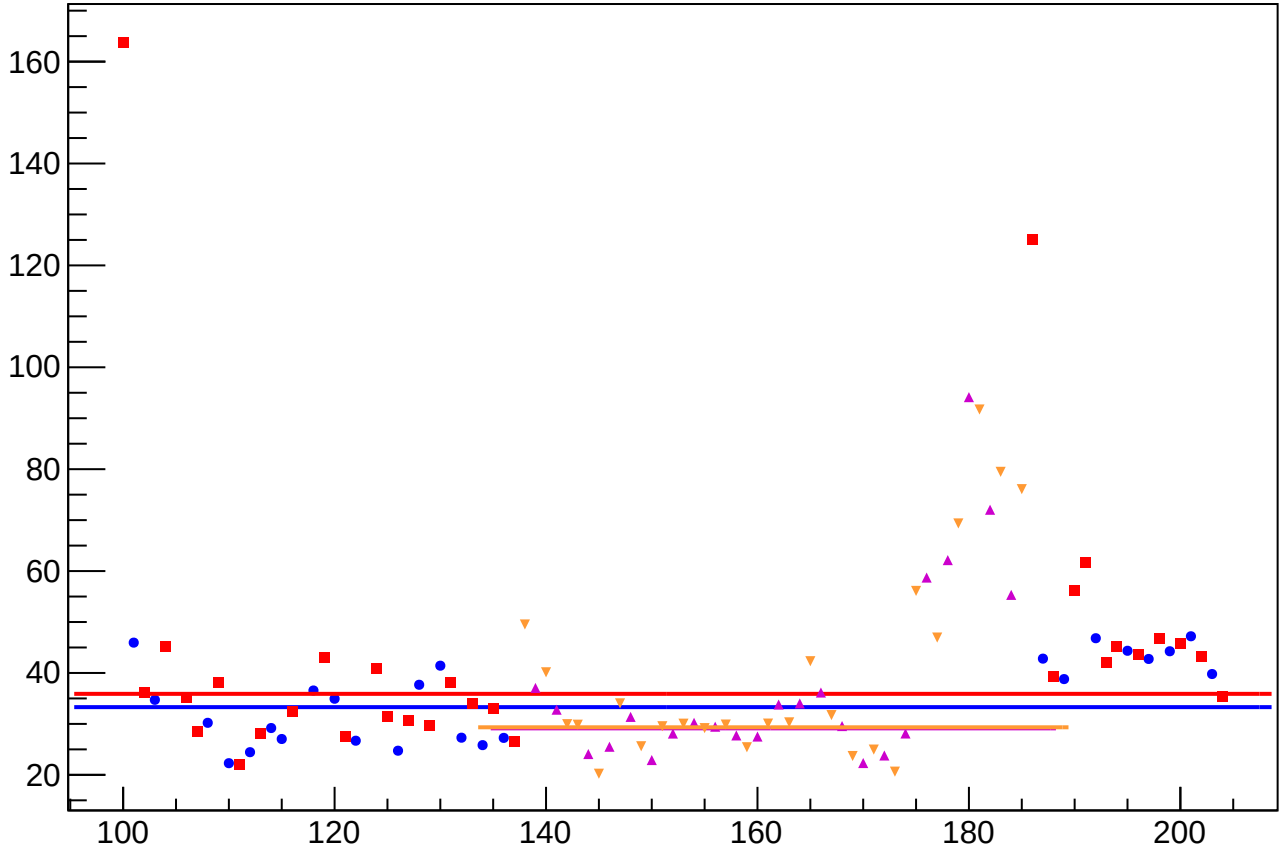
Right: -0.003+/-0.007 χ^2/NDF: 67.0/53

In: -0.006+/-0.006 χ^2/NDF:53.4/46

Out: 0.013+/-0.006 χ^2/NDF:58.5/54

All: 0.004+/-0.004 χ^2/NDF: 117.5/101

asym_sam_37_48_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 33.292+/-0.007 χ^2/NDF: 1489790.0/23

Left Out: 29.335+/-0.005 χ^2/NDF:3874774.5/24

Right Out: 35.900+/-0.007 χ^2/NDF: 1777163.6/29

Left In: 29.125+/-0.005 χ^2/NDF:2839115.6/22

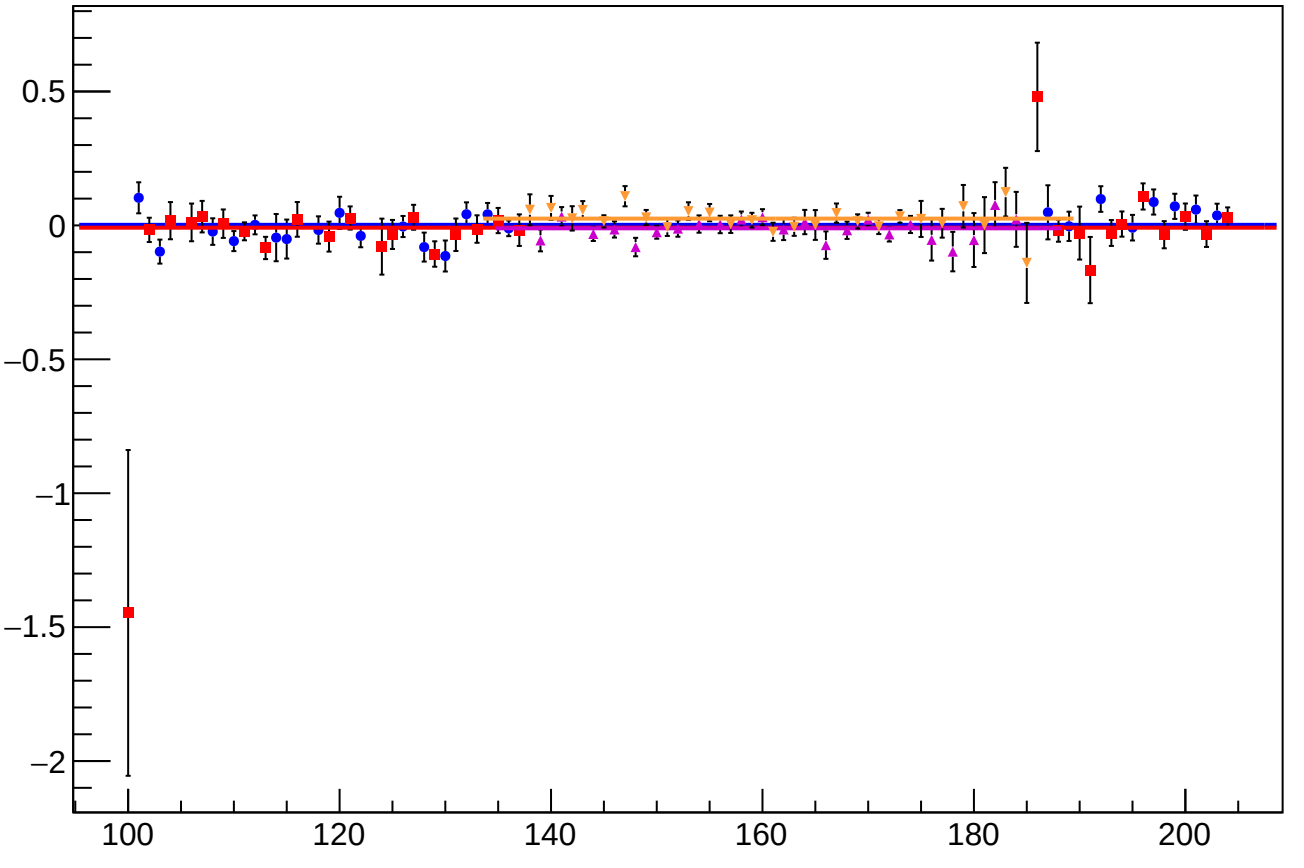
Left: 29.231+/-0.004 χ^2/NDF: 6714732.4/47

Right: 34.594+/-0.005 χ^2/NDF: 3340720.2/53

In: 30.652+/-0.004 χ^2/NDF:4568016.3/46

Out: 31.687+/-0.004 χ^2/NDF:6251308.4/54

All: 31.174+/-0.003 χ^2/NDF: 10851408.3/101



Right In: 0.002+/-0.010 χ^2/NDF: 33.3/23

Left Out: 0.025+/-0.007 χ^2/NDF:17.4/24

Right Out: -0.009+/-0.010 χ^2/NDF: 33.1/29

Left In: -0.011+/-0.007 χ^2/NDF:19.0/22

Left: 0.008+/-0.005 χ^2/NDF: 49.0/47

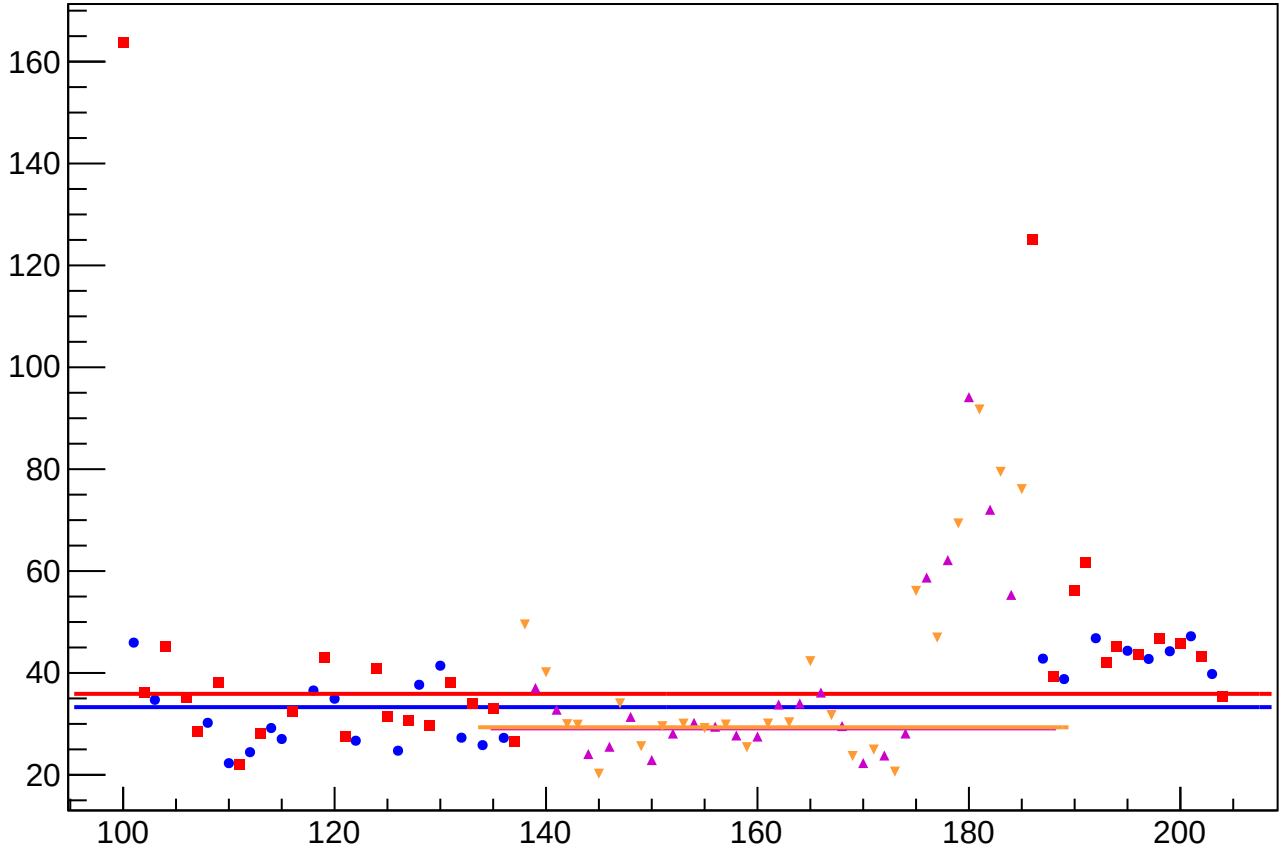
Right: -0.003+/-0.007 χ^2/NDF: 67.0/53

In: -0.006+/-0.006 χ^2/NDF:53.4/46

Out: 0.013+/-0.006 χ^2/NDF:58.5/54

All: 0.004+/-0.004 χ^2/NDF: 117.5/101

asym_sam_37_48_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 33.292+/-0.007 χ^2/NDF: 1489790.0/23

Left Out: 29.335+/-0.005 χ^2/NDF:3874774.5/24

Right Out: 35.900+/-0.007 χ^2/NDF: 1777163.6/29

Left In: 29.125+/-0.005 χ^2/NDF:2839115.6/22

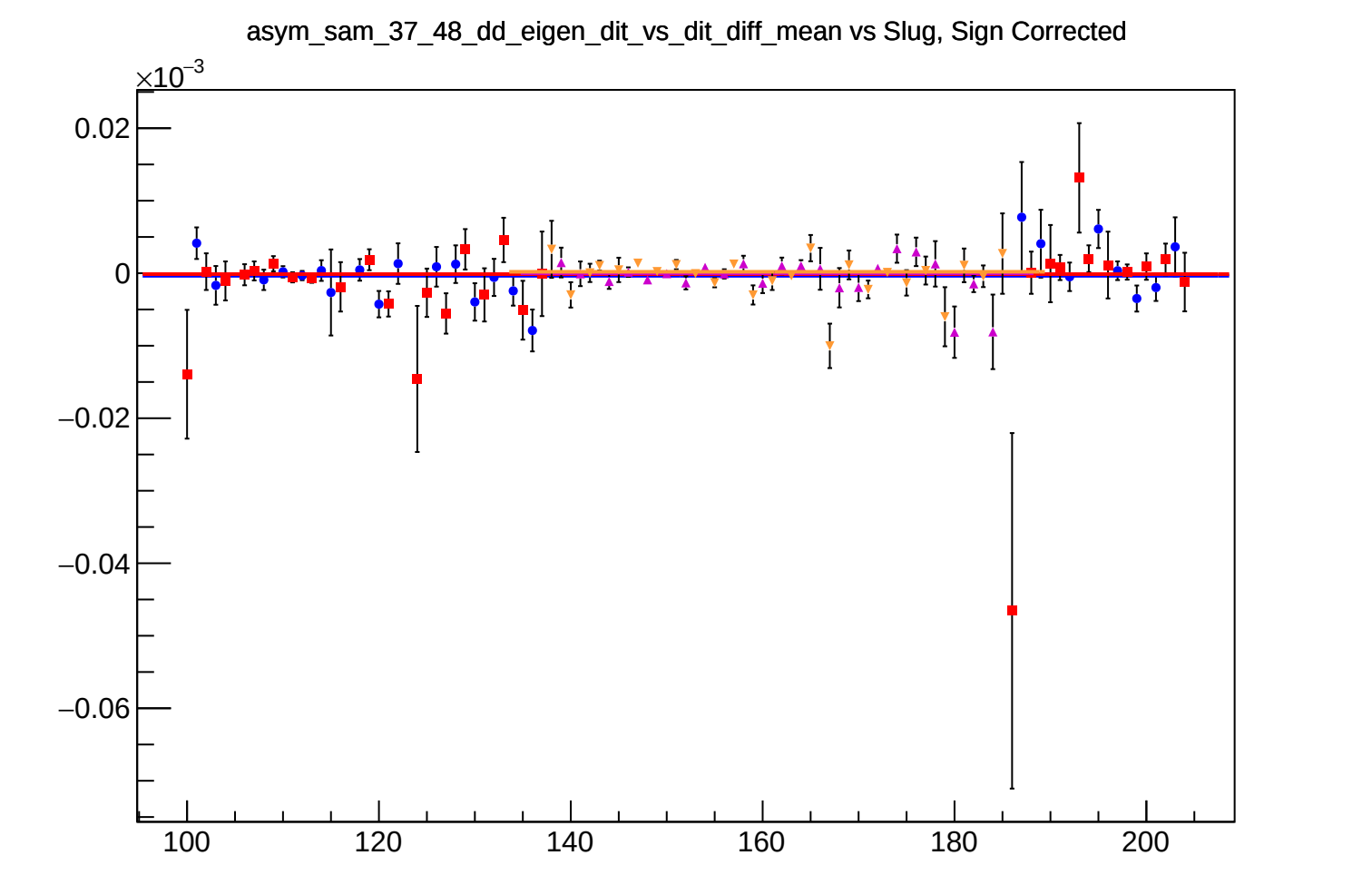
Left: 29.231+/-0.004 χ^2/NDF: 6714732.4/47

Right: 34.594+/-0.005 χ^2/NDF: 3340720.2/53

In: 30.652+/-0.004 χ^2/NDF:4568016.3/46

Out: 31.687+/-0.004 χ^2/NDF:6251308.4/54

All: 31.174+/-0.003 χ^2/NDF: 10851408.3/101



Right In: -0.000+/-0.000 χ^2/NDF: 34.4/23

Left Out: 0.000+/-0.000 χ^2/NDF:52.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 35.6/29

Left In: -0.000+/-0.000 χ^2/NDF:32.9/22

Left: 0.000+/-0.000 χ^2/NDF: 86.2/47

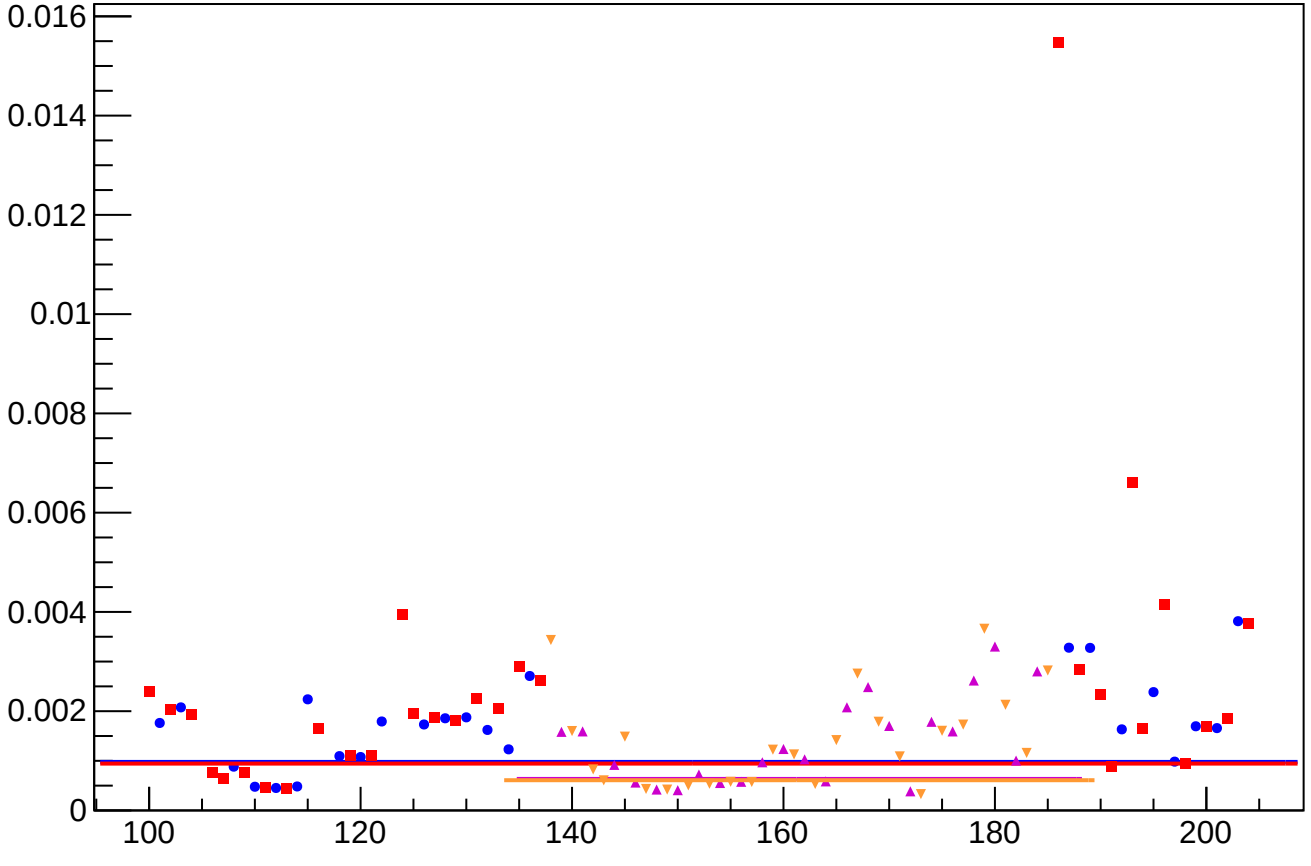
Right: -0.000+/-0.000 χ^2/NDF: 70.3/53

In: -0.000+/-0.000 χ^2/NDF:68.2/46

Out: 0.000+/-0.000 χ^2/NDF:89.1/54

All: 0.000+/-0.000 χ^2/NDF: 158.1/101

asym_sam_37_48_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 7811832.9/23

Left Out: 0.001+/-0.000 χ^2/NDF:10964161.2/24

Right Out: 0.001+/-0.000 χ^2/NDF: 10813312.5/29

Left In: 0.001+/-0.000 χ^2/NDF:9376124.7/22

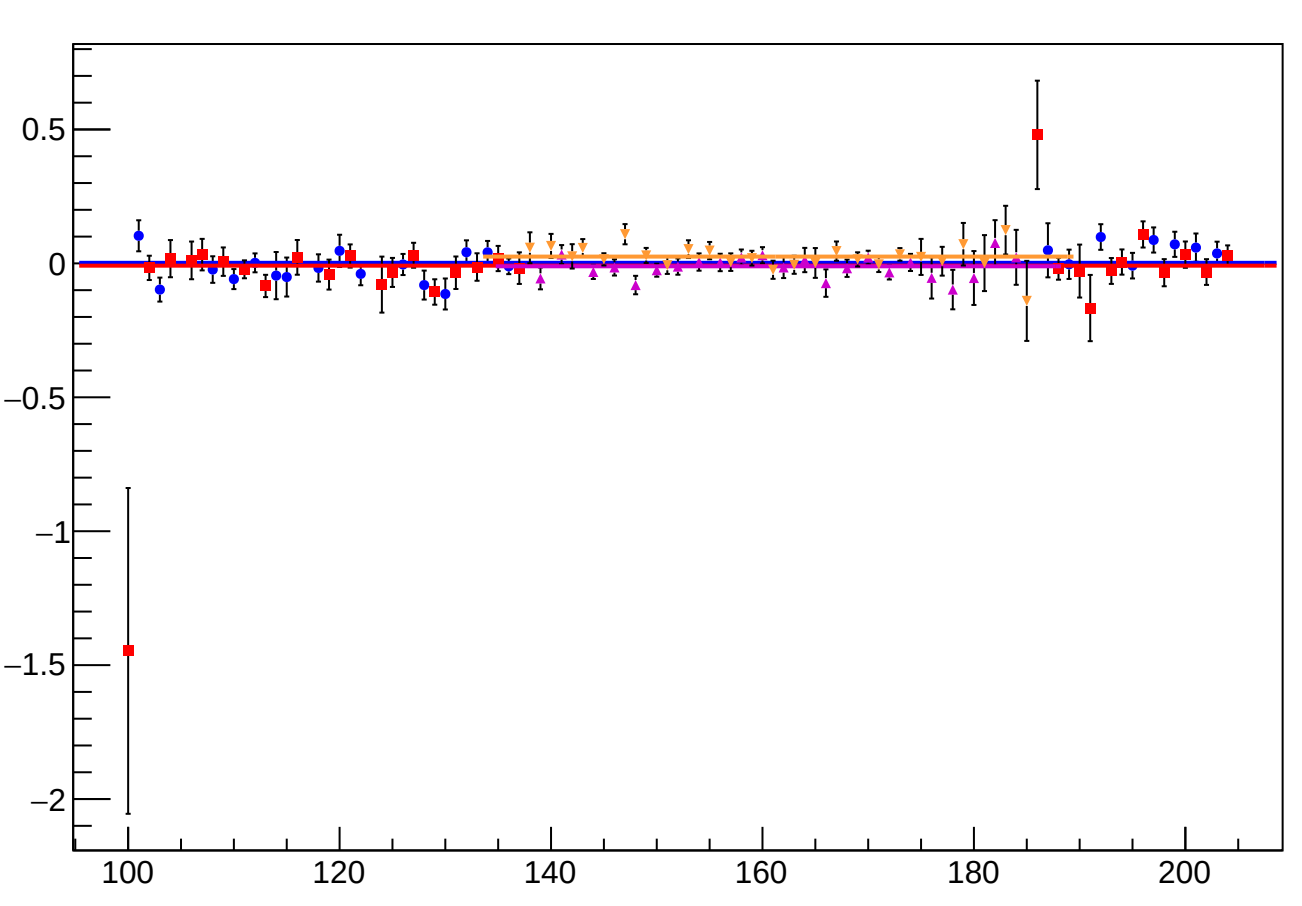
Left: 0.001+/-0.000 χ^2/NDF: 20361960.5/47

Right: 0.001+/-0.000 χ^2/NDF: 18636179.1/53

In: 0.001+/-0.000 χ^2/NDF:18820771.7/46

Out: 0.001+/-0.000 χ^2/NDF:23598668.2/54

All: 0.001+/-0.000 χ^2/NDF: 42450490.6/101



Right In: 0.002+/-0.010 χ^2/NDF: 33.3/23

Left Out: 0.025+/-0.007 χ^2/NDF:17.4/24

Right Out: -0.009+/-0.010 χ^2/NDF: 33.1/29

Left In: -0.011+/-0.007 χ^2/NDF:19.0/22

Left: 0.008+/-0.005 χ^2/NDF: 49.0/47

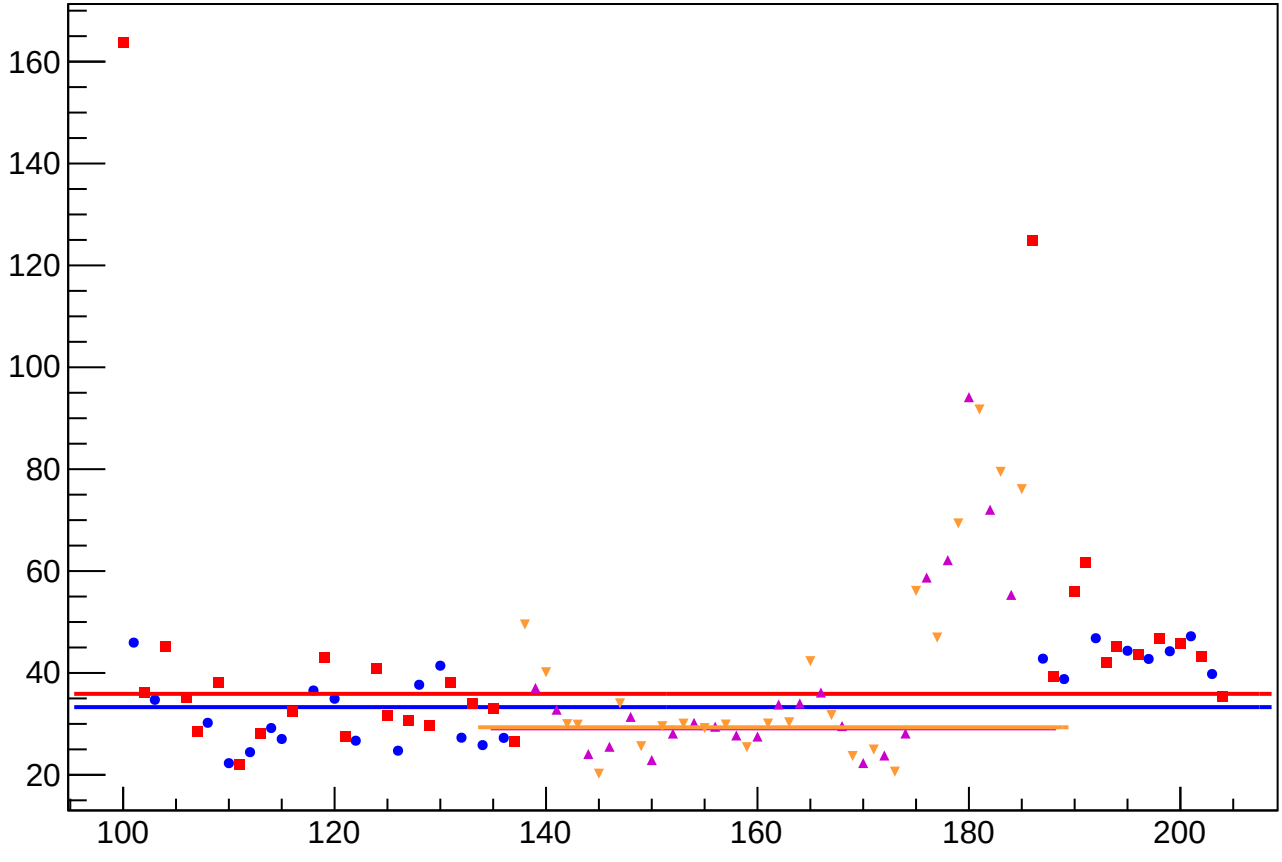
Right: -0.003+/-0.007 χ^2/NDF: 67.0/53

In: -0.006+/-0.006 χ^2/NDF:53.4/46

Out: 0.013+/-0.006 χ^2/NDF:58.5/54

All: 0.004+/-0.004 χ^2/NDF: 117.5/101

asym_sam_37_48_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 33.292+/-0.007 χ^2/NDF: 1489705.7/23

Left Out: 29.334+/-0.005 χ^2/NDF:3874839.0/24

Right Out: 35.900+/-0.007 χ^2/NDF: 1777057.6/29

Left In: 29.124+/-0.005 χ^2/NDF:2839078.4/22

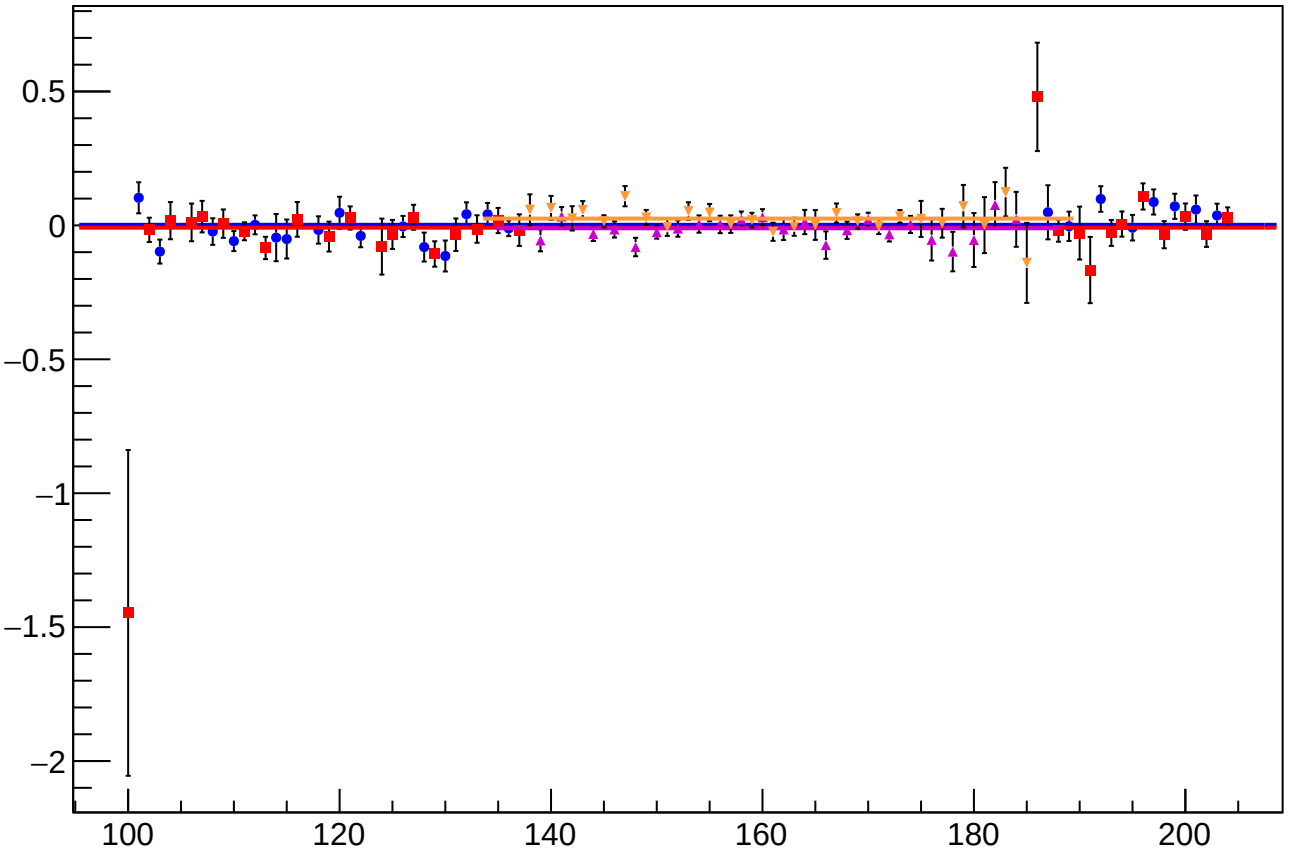
Left: 29.231+/-0.004 χ^2/NDF: 6714759.4/47

Right: 34.594+/-0.005 χ^2/NDF: 3340528.8/53

In: 30.652+/-0.004 χ^2/NDF:4567917.0/46

Out: 31.687+/-0.004 χ^2/NDF:6251307.5/54

All: 31.174+/-0.003 χ^2/NDF: 10851306.2/101



Right In: 0.002+/-0.010 χ^2/NDF: 33.3/23

Left Out: 0.025+/-0.007 χ^2/NDF:17.4/24

Right Out: -0.009+/-0.010 χ^2/NDF: 33.1/29

Left In: -0.011+/-0.007 χ^2/NDF:19.0/22

Left: 0.008+/-0.005 χ^2/NDF: 49.0/47

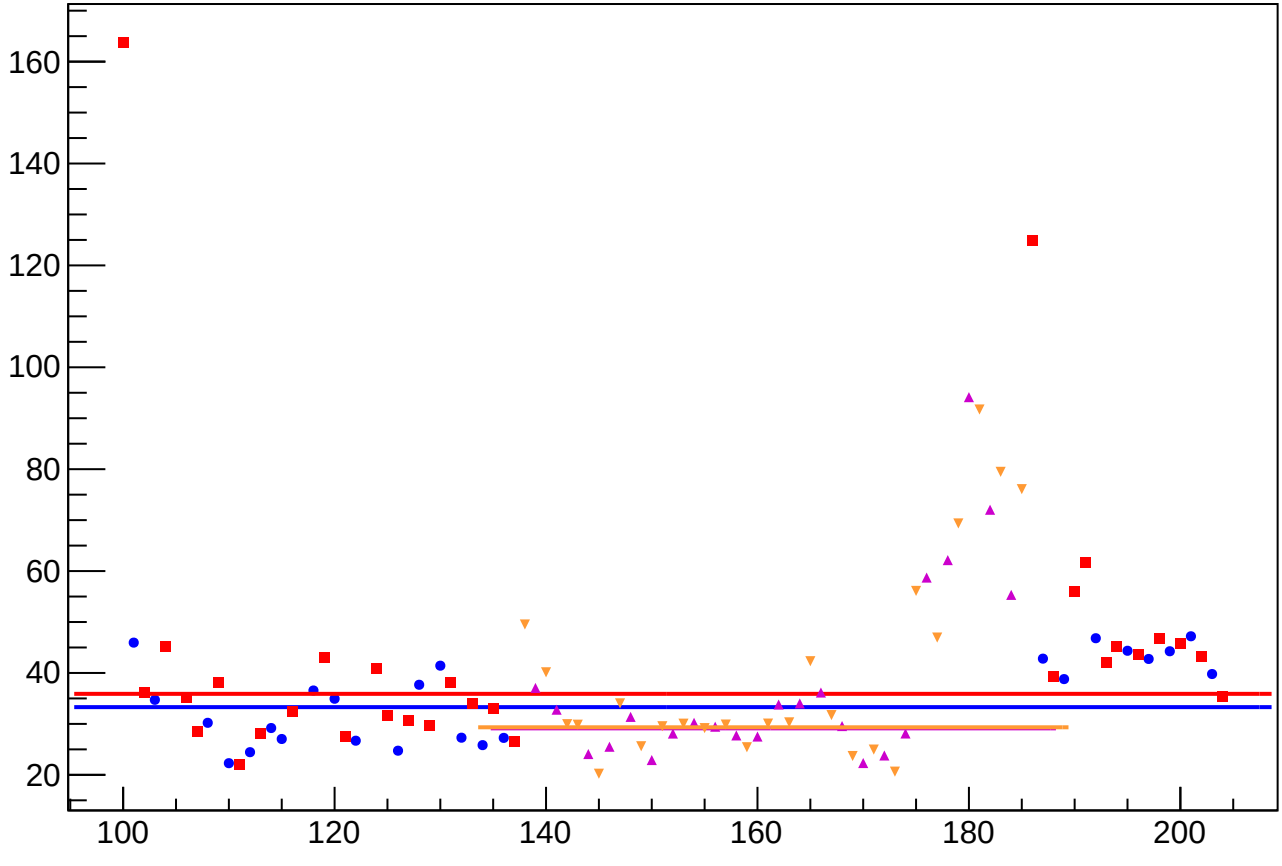
Right: -0.003+/-0.007 χ^2/NDF: 67.0/53

In: -0.006+/-0.006 χ^2/NDF:53.4/46

Out: 0.013+/-0.006 χ^2/NDF:58.5/54

All: 0.004+/-0.004 χ^2/NDF: 117.5/101

asym_sam_37_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 33.292+/-0.007 χ^2/NDF: 1489705.7/23

Left Out: 29.334+/-0.005 χ^2/NDF:3874839.0/24

Right Out: 35.900+/-0.007 χ^2/NDF: 1777057.6/29

Left In: 29.124+/-0.005 χ^2/NDF:2839078.4/22

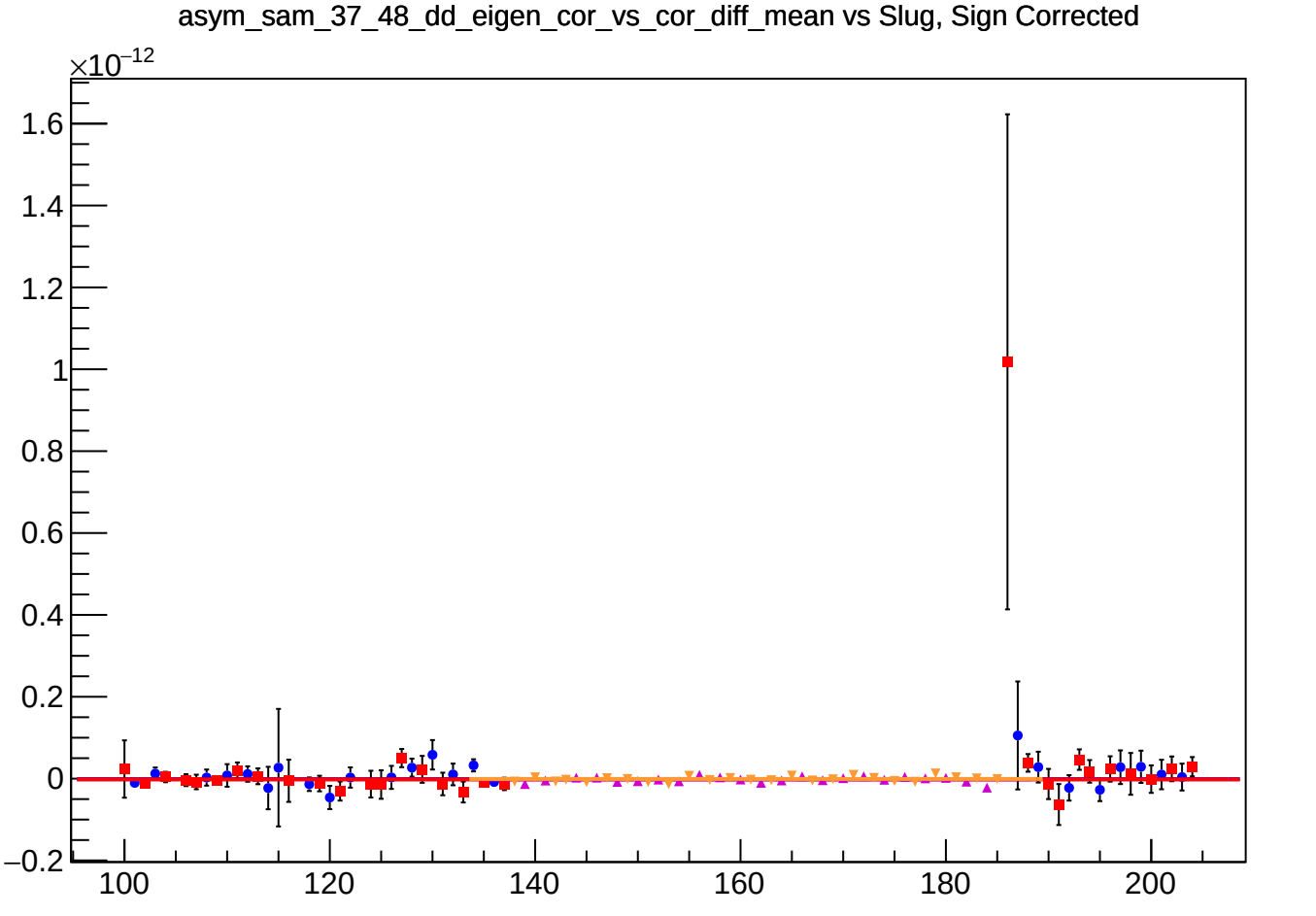
Left: 29.231+/-0.004 χ^2/NDF: 6714759.4/47

Right: 34.594+/-0.005 χ^2/NDF: 3340528.8/53

In: 30.652+/-0.004 χ^2/NDF:4567917.0/46

Out: 31.687+/-0.004 χ^2/NDF:6251307.5/54

All: 31.174+/-0.003 χ^2/NDF: 10851306.2/101



Right In: -0.000+/-0.000 χ^2/NDF: 20.8/23

Left Out: -0.000+/-0.000 χ^2/NDF:15.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 29.8/29

Left In: -0.000+/-0.000 χ^2/NDF:16.5/22

Left: -0.000+/-0.000 χ^2/NDF: 31.8/47

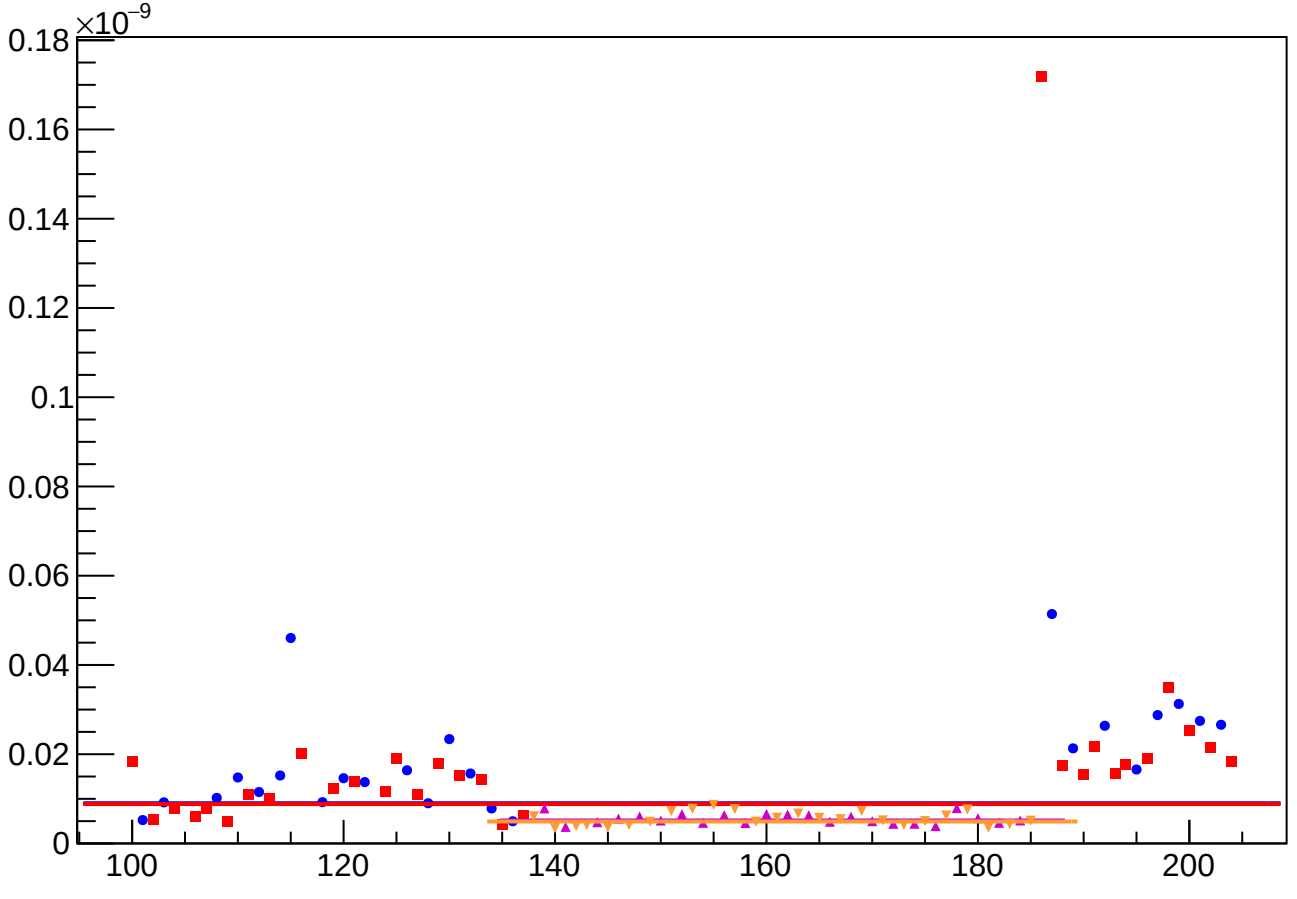
Right: -0.000+/-0.000 χ^2/NDF: 50.6/53

In: -0.000+/-0.000 χ^2/NDF:37.3/46

Out: -0.000+/-0.000 χ^2/NDF:44.9/54

All: -0.000+/-0.000 χ^2/NDF: 82.3/101

asym_sam_37_48_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 5676808.2/23

Left Out: 0.000+/-0.000 χ^2/NDF:1871499.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5285272.3/29

Left In: 0.000+/-0.000 χ^2/NDF:976775.4/22

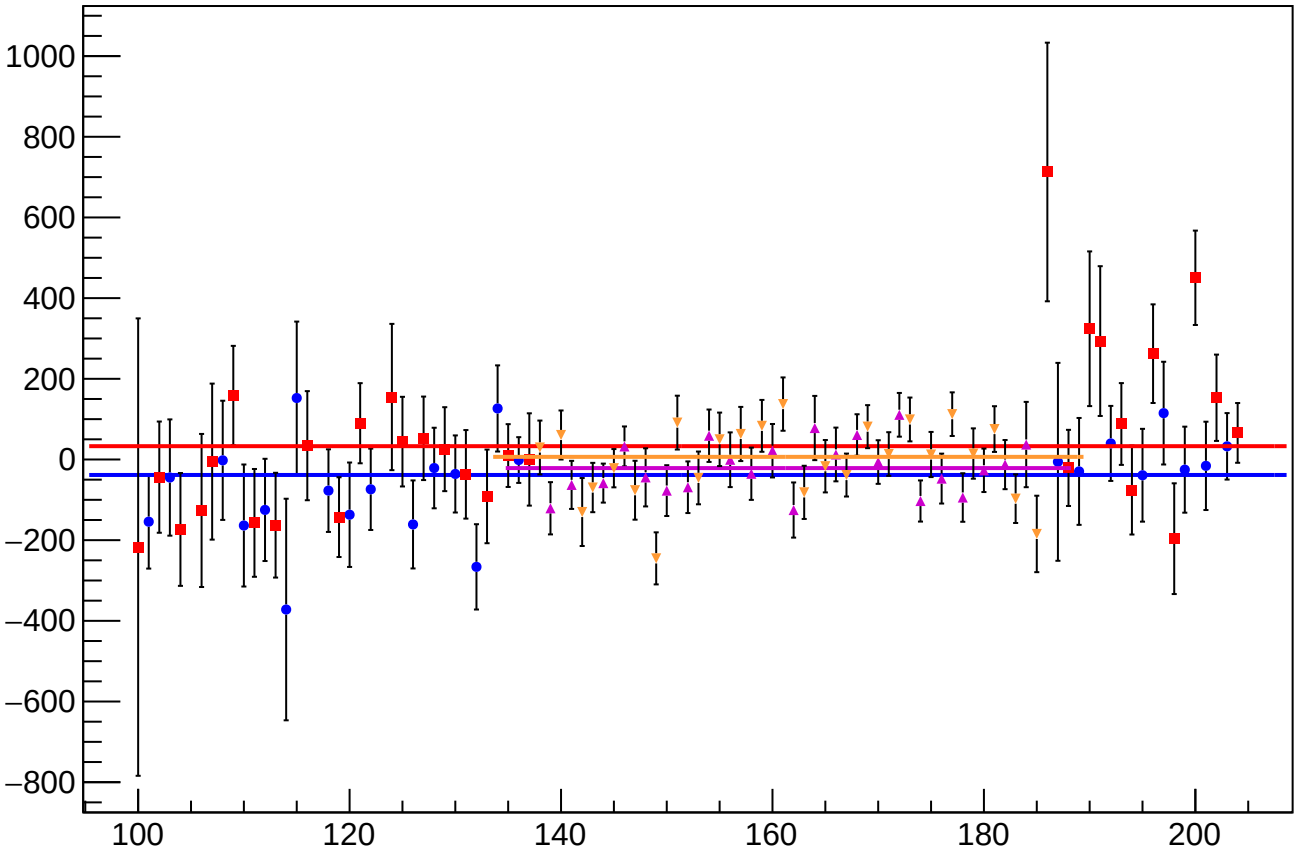
Left: 0.000+/-0.000 χ^2/NDF: 2874002.6/47

Right: 0.000+/-0.000 χ^2/NDF: 10964708.3/53

In: 0.000+/-0.000 χ^2/NDF:8569592.6/46

Out: 0.000+/-0.000 χ^2/NDF:9420391.4/54

All: 0.000+/-0.000 χ^2/NDF: 18012192.3/101



Right In: -38.372+/-22.386 χ^2/NDF: 17.3/23

Left Out: 6.523+/-12.287 χ^2/NDF:50.6/24

Right Out: 33.001+/-21.733 χ^2/NDF: 45.4/29

Left In: -21.336+/-12.649 χ^2/NDF:25.4/22

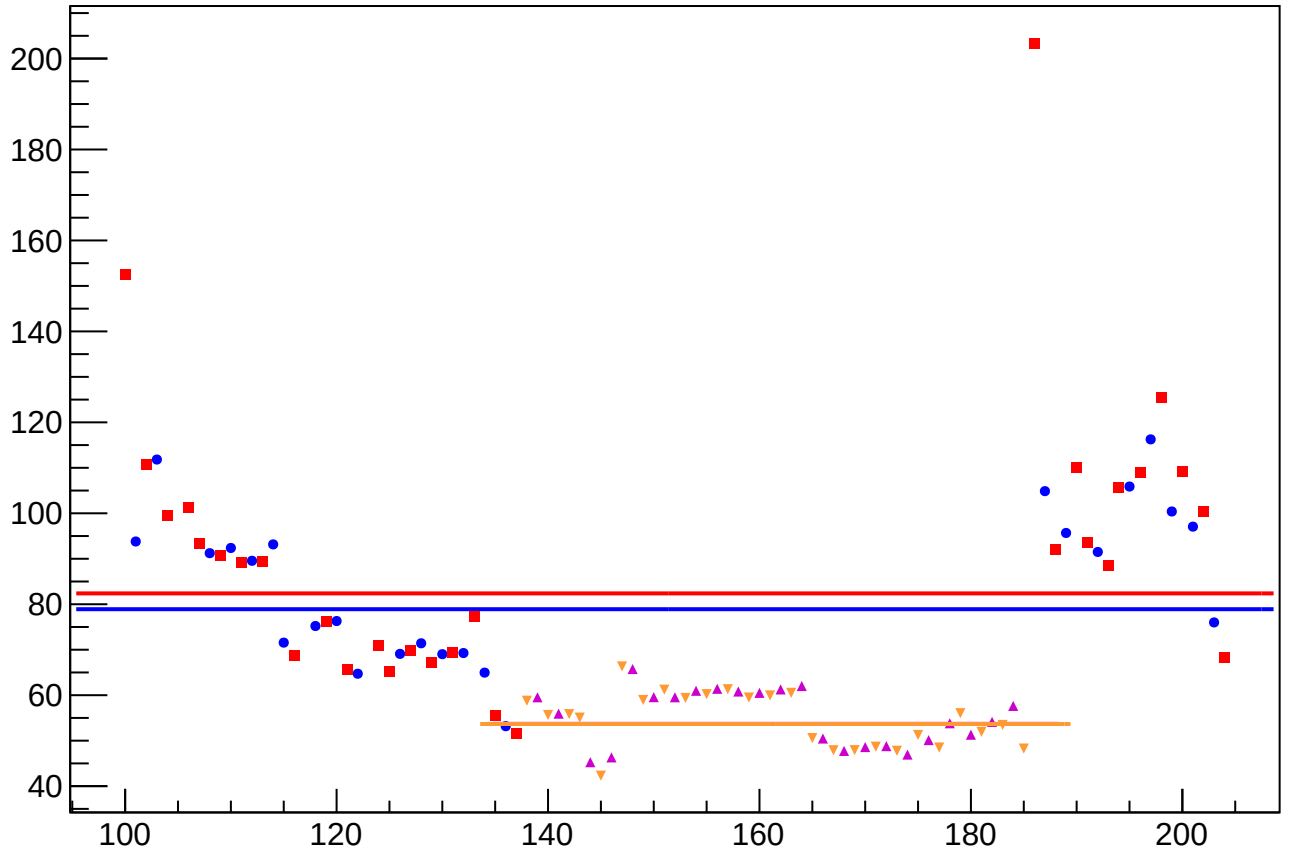
Left: -7.002+/-8.814 χ^2/NDF: 78.5/47

Right: -1.630+/-15.593 χ^2/NDF: 67.9/53

In: -25.459+/-11.013 χ^2/NDF:43.1/46

Out: 12.936+/-10.696 χ^2/NDF:97.1/54

All: -5.701+/-7.673 χ^2/NDF: 146.4/101



Right In: 78.909+/-0.016 χ^2/NDF: 1255783.9/23

Left Out: 53.666+/-0.009 χ^2/NDF:472206.8/24

Right Out: 82.386+/-0.015 χ^2/NDF: 1799329.8/29

Left In: 53.695+/-0.009 χ^2/NDF:471343.7/22

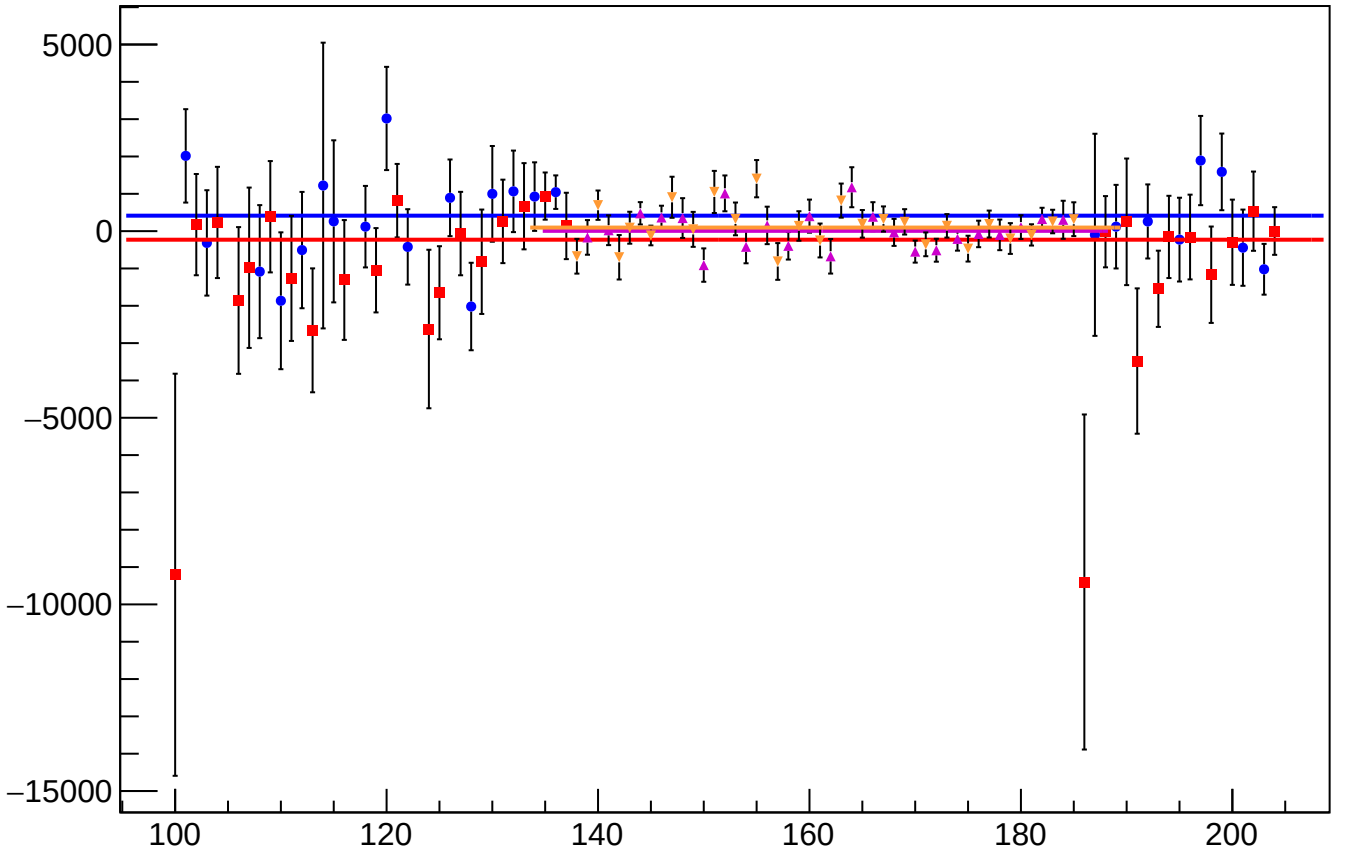
Left: 53.680+/-0.006 χ^2/NDF: 943555.9/47

Right: 80.699+/-0.011 χ^2/NDF: 3079942.6/53

In: 59.797+/-0.008 χ^2/NDF:3650433.3/46

Out: 60.622+/-0.008 χ^2/NDF:4918145.4/54

All: 60.221+/-0.005 χ^2/NDF: 8574353.6/101



Right In: 414.501+/-215.362 χ^2/NDF: 24.7/23

Left Out: 95.456+/-77.134 χ^2/NDF:33.2/24

Right Out: -229.445+/-216.197 χ^2/NDF: 25.7/29

Left In: 7.879+/-79.125 χ^2/NDF:32.3/22

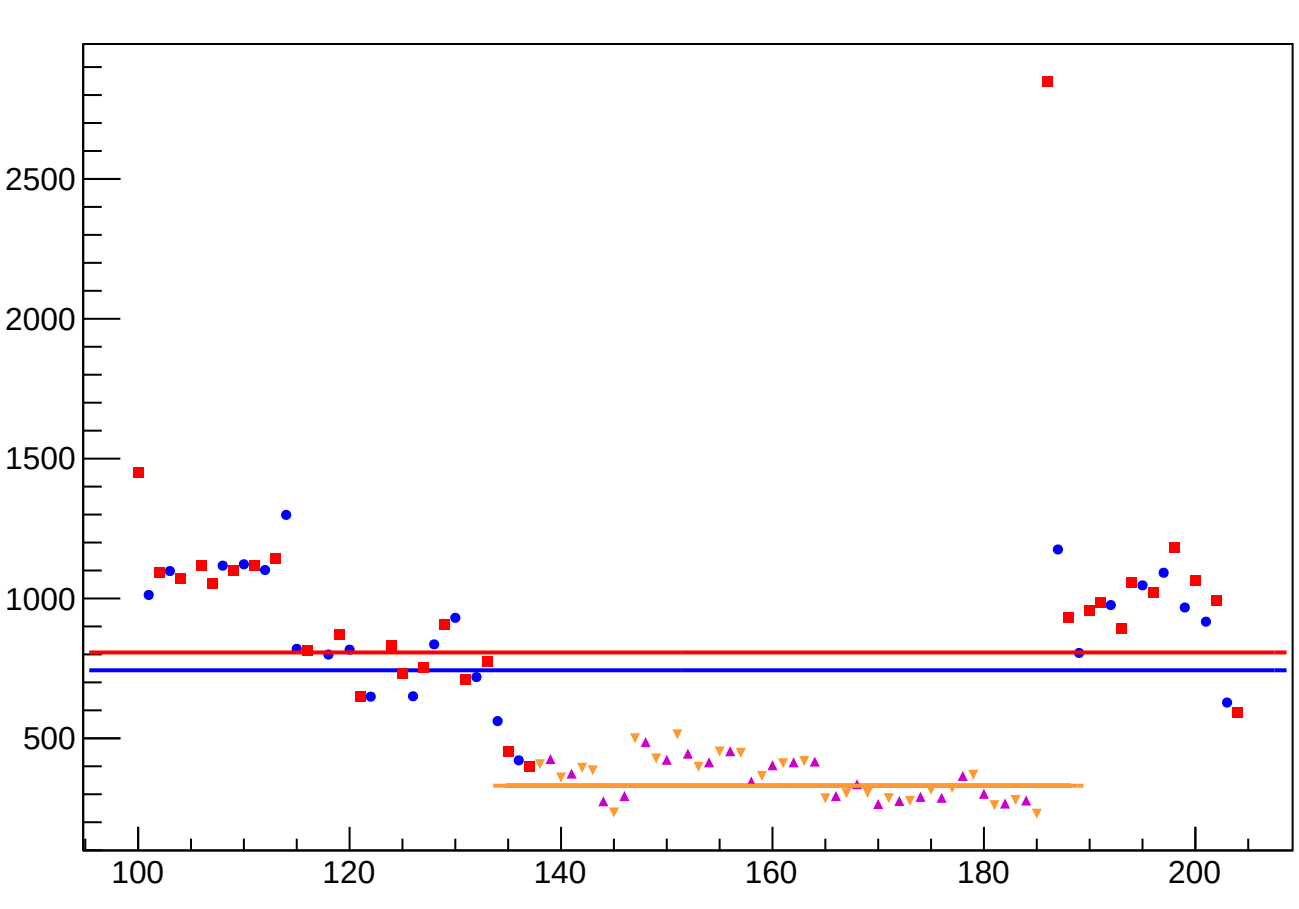
Left: 52.783+/-55.233 χ^2/NDF: 66.1/47

Right: 93.774+/-152.578 χ^2/NDF: 54.8/53

In: 56.240+/-74.271 χ^2/NDF:60.1/46

Out: 58.769+/-72.649 χ^2/NDF:60.8/54

All: 57.532+/-51.935 χ^2/NDF: 121.0/101



Right In: 743.214+/-0.152 χ^2/NDF: 2444200.9/23

Left Out: 330.405+/-0.055 χ^2/NDF:1752470.5/24

Right Out: 806.997+/-0.153 χ^2/NDF: 2863822.6/29

Left In: 331.059+/-0.056 χ^2/NDF:1325602.5/22

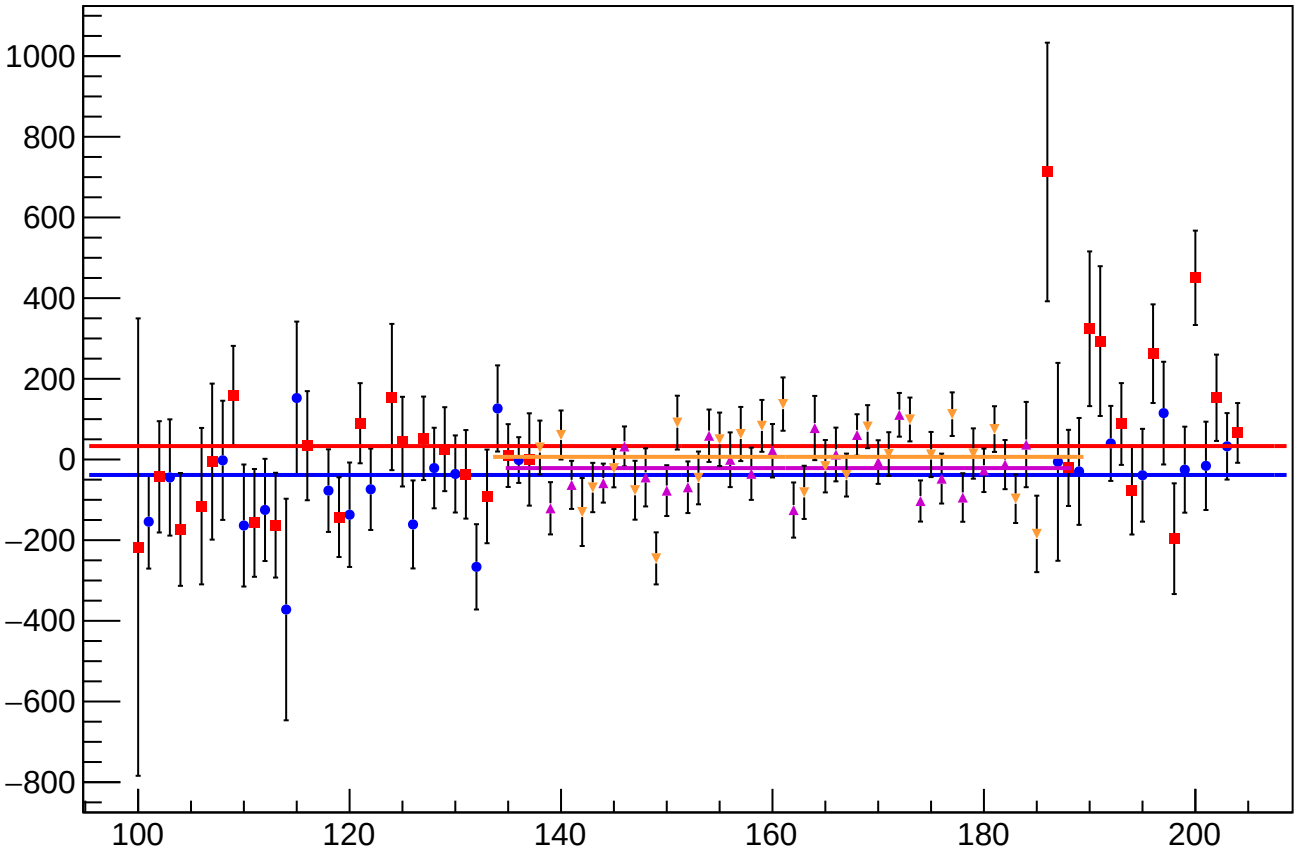
Left: 330.724+/-0.039 χ^2/NDF: 3078142.9/47

Right: 774.982+/-0.108 χ^2/NDF: 5395398.0/53

In: 380.078+/-0.053 χ^2/NDF:10223727.8/46

Out: 384.221+/-0.051 χ^2/NDF:13237920.1/54

All: 382.195+/-0.037 χ^2/NDF: 23464828.5/10



Right In: -38.364+/-22.386 χ^2/NDF: 17.3/23

Left Out: 6.526+/-12.287 χ^2/NDF:50.6/24

Right Out: 33.246+/-21.740 χ^2/NDF: 45.2/29

Left In: -21.335+/-12.649 χ^2/NDF:25.4/22

Left: -7.000+/-8.814 χ^2/NDF: 78.5/47

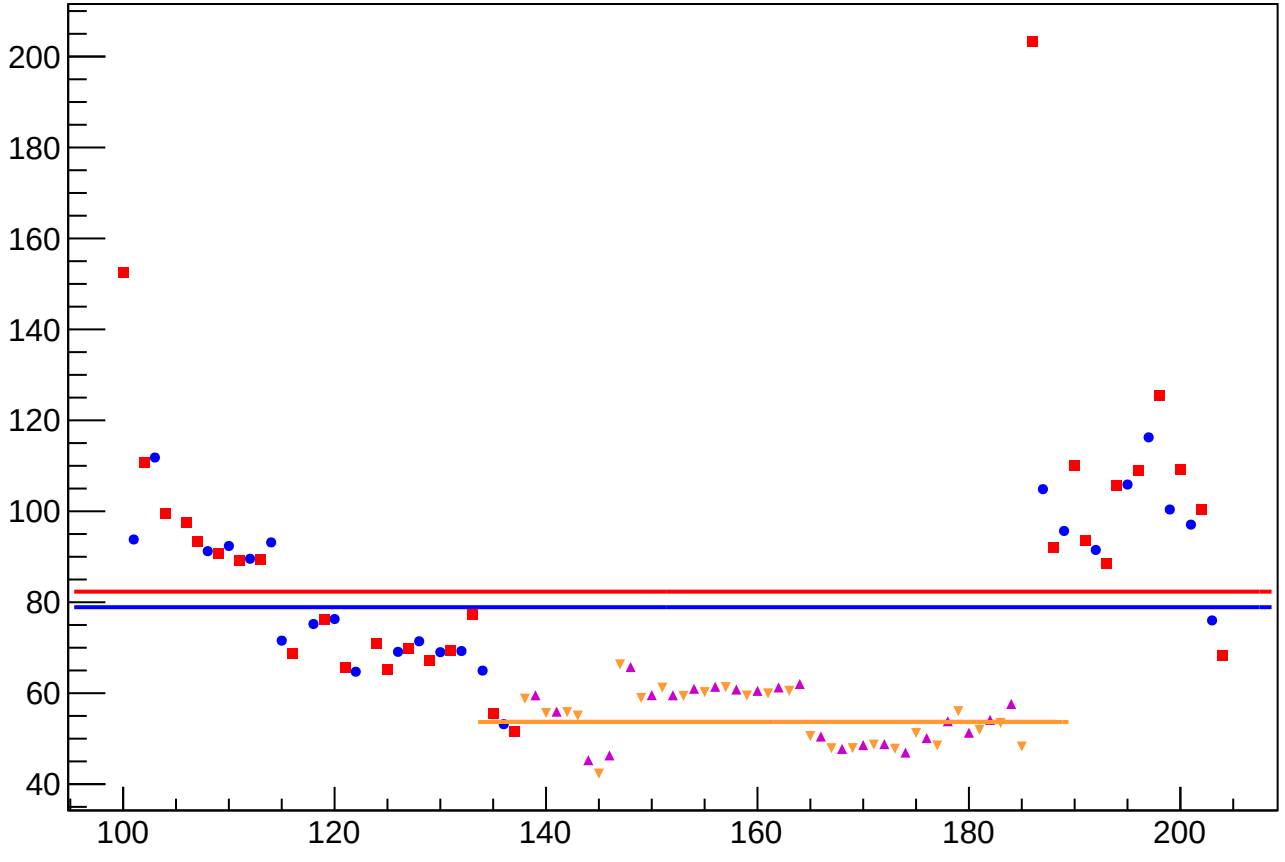
Right: -1.510+/-15.596 χ^2/NDF: 67.8/53

In: -25.456+/-11.013 χ^2/NDF:43.1/46

Out: 12.995+/-10.697 χ^2/NDF:97.0/54

All: -5.671+/-7.673 χ^2/NDF: 146.3/101

cor_asym_sam_15_26_dd_rms vs Slug, Sign Corrected



Right In: 78.909+/-0.016 χ^2/NDF: 1255786.2/23

Left Out: 53.666+/-0.009 χ^2/NDF:472206.8/24

Right Out: 82.329+/-0.015 χ^2/NDF: 1792074.8/29

Left In: 53.695+/-0.009 χ^2/NDF:471343.7/22

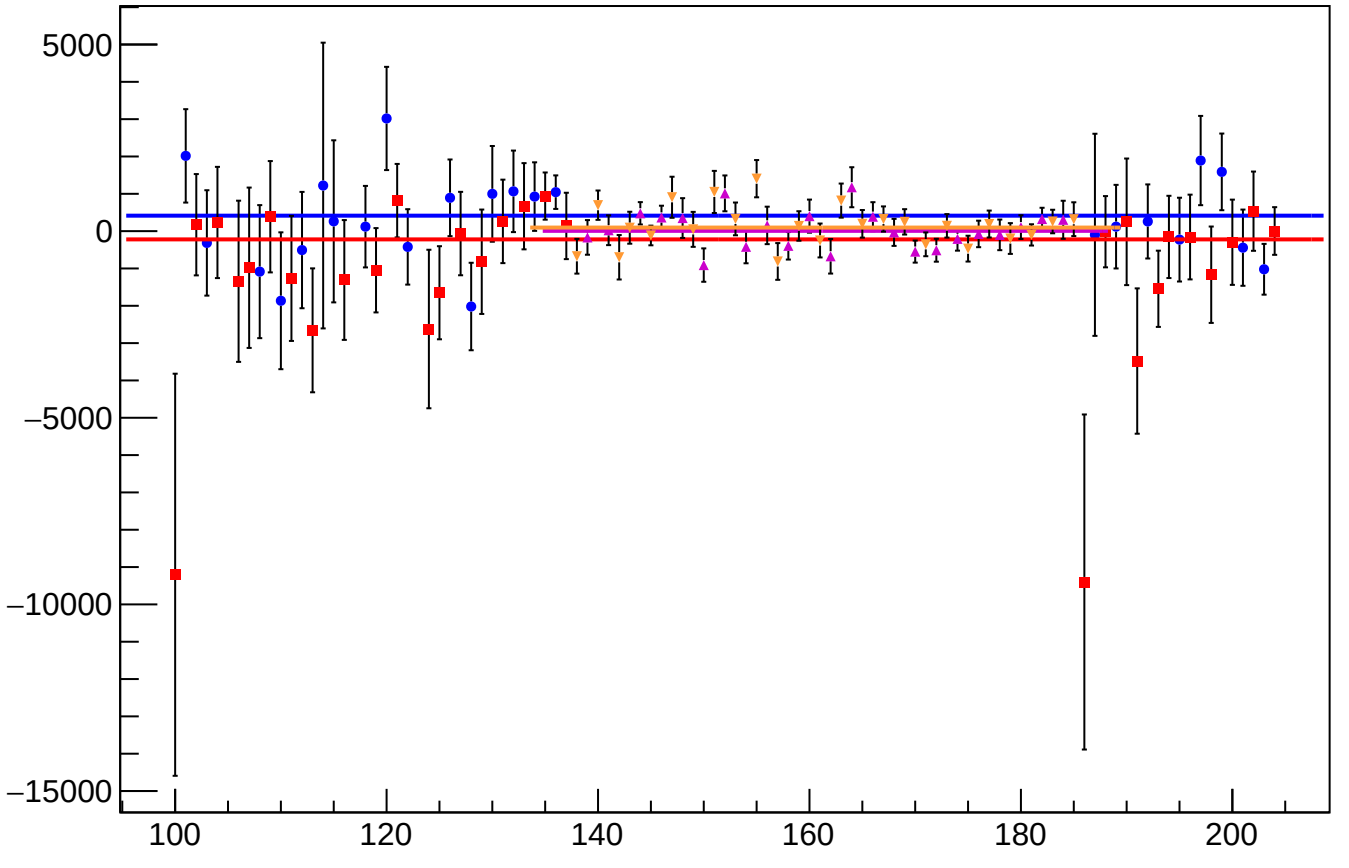
Left: 53.680+/-0.006 χ^2/NDF: 943555.9/47

Right: 80.669+/-0.011 χ^2/NDF: 3071887.0/53

In: 59.797+/-0.008 χ^2/NDF:3650435.8/46

Out: 60.605+/-0.008 χ^2/NDF:4899381.4/54

All: 60.213+/-0.005 χ^2/NDF: 8555360.7/101



Right In: 414.495+/-215.362 χ^2/NDF: 24.7/23

Left Out: 95.458+/-77.134 χ^2/NDF:33.2/24

Right Out: -220.986+/-216.425 χ^2/NDF: 25.2/29

Left In: 7.875+/-79.125 χ^2/NDF:32.3/22

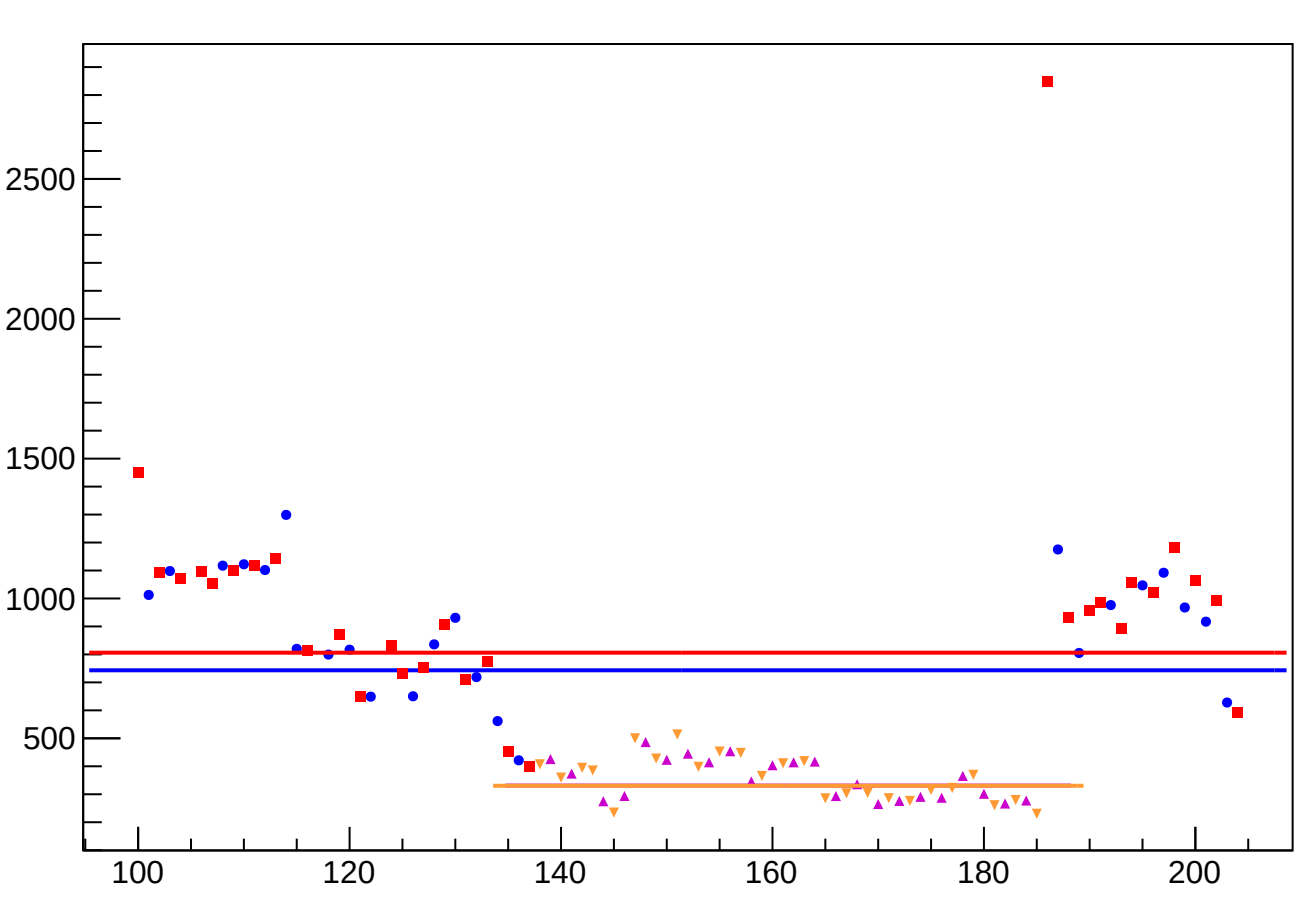
Left: 52.783+/-55.233 χ^2/NDF: 66.1/47

Right: 98.318+/-152.658 χ^2/NDF: 54.3/53

In: 56.236+/-74.271 χ^2/NDF:60.1/46

Out: 59.793+/-72.657 χ^2/NDF:60.3/54

All: 58.054+/-51.938 χ^2/NDF: 120.5/101



Right In: 743.215+/-0.152 χ^2/NDF: 2444225.4/23

Left Out: 330.405+/-0.055 χ^2/NDF:1752469.2/24

Right Out: 806.130+/-0.153 χ^2/NDF: 2849658.0/29

Left In: 331.058+/-0.056 χ^2/NDF:1325610.1/22

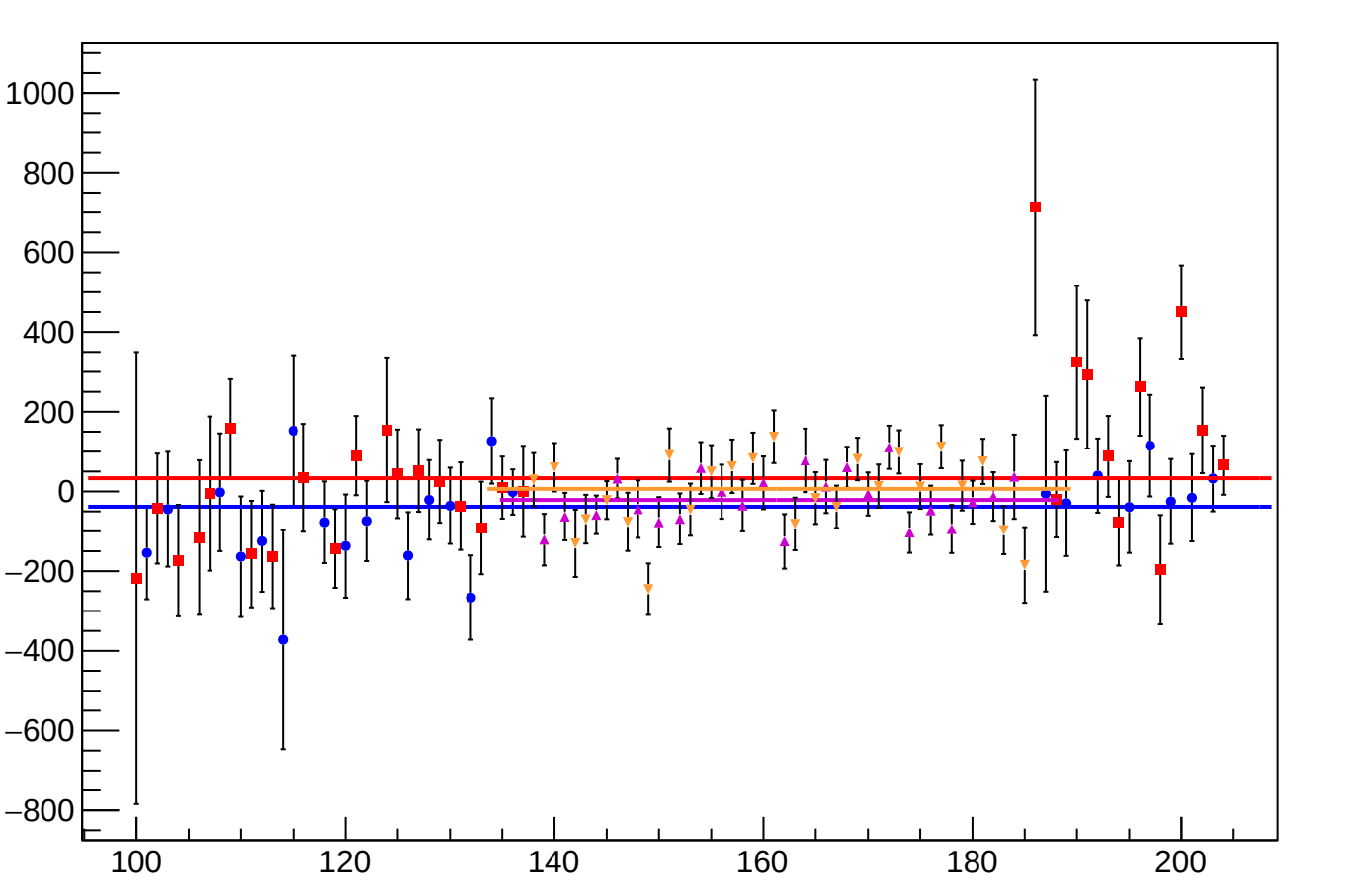
Left: 330.724+/-0.039 χ^2/NDF: 3078149.1/47

Right: 774.518+/-0.108 χ^2/NDF: 5378808.7/53

In: 380.077+/-0.053 χ^2/NDF:10223760.4/46

Out: 384.022+/-0.051 χ^2/NDF:13176370.4/54

All: 382.093+/-0.037 χ^2/NDF: 23403014.2/10



Right In: -38.364+/-22.386 χ^2/NDF: 17.3/23

Left Out: 6.526+/-12.287 χ^2/NDF:50.6/24

Right Out: 33.246+/-21.740 χ^2/NDF: 45.2/29

Left In: -21.335+/-12.649 χ^2/NDF:25.4/22

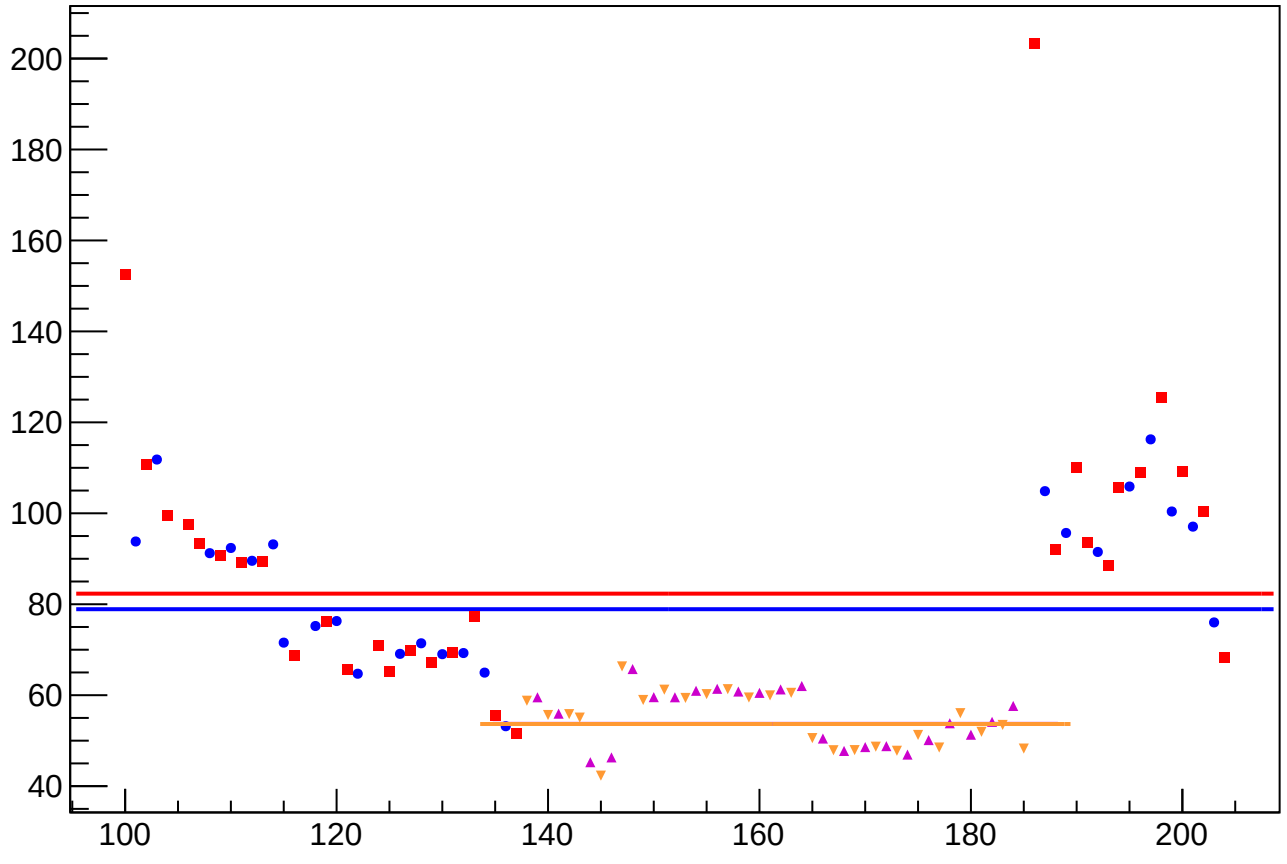
Left: -7.000+/-8.814 χ^2/NDF: 78.5/47

Right: -1.510+/-15.596 χ^2/NDF: 67.8/53

In: -25.456+/-11.013 χ^2/NDF:43.1/46

Out: 12.995+/-10.697 χ^2/NDF:97.0/54

All: -5.671+/-7.673 χ^2/NDF: 146.3/101



Right In: 78.909+/-0.016 χ^2/NDF: 1255786.2/23

Left Out: 53.666+/-0.009 χ^2/NDF:472206.8/24

Right Out: 82.329+/-0.015 χ^2/NDF: 1792074.8/29

Left In: 53.695+/-0.009 χ^2/NDF:471343.7/22

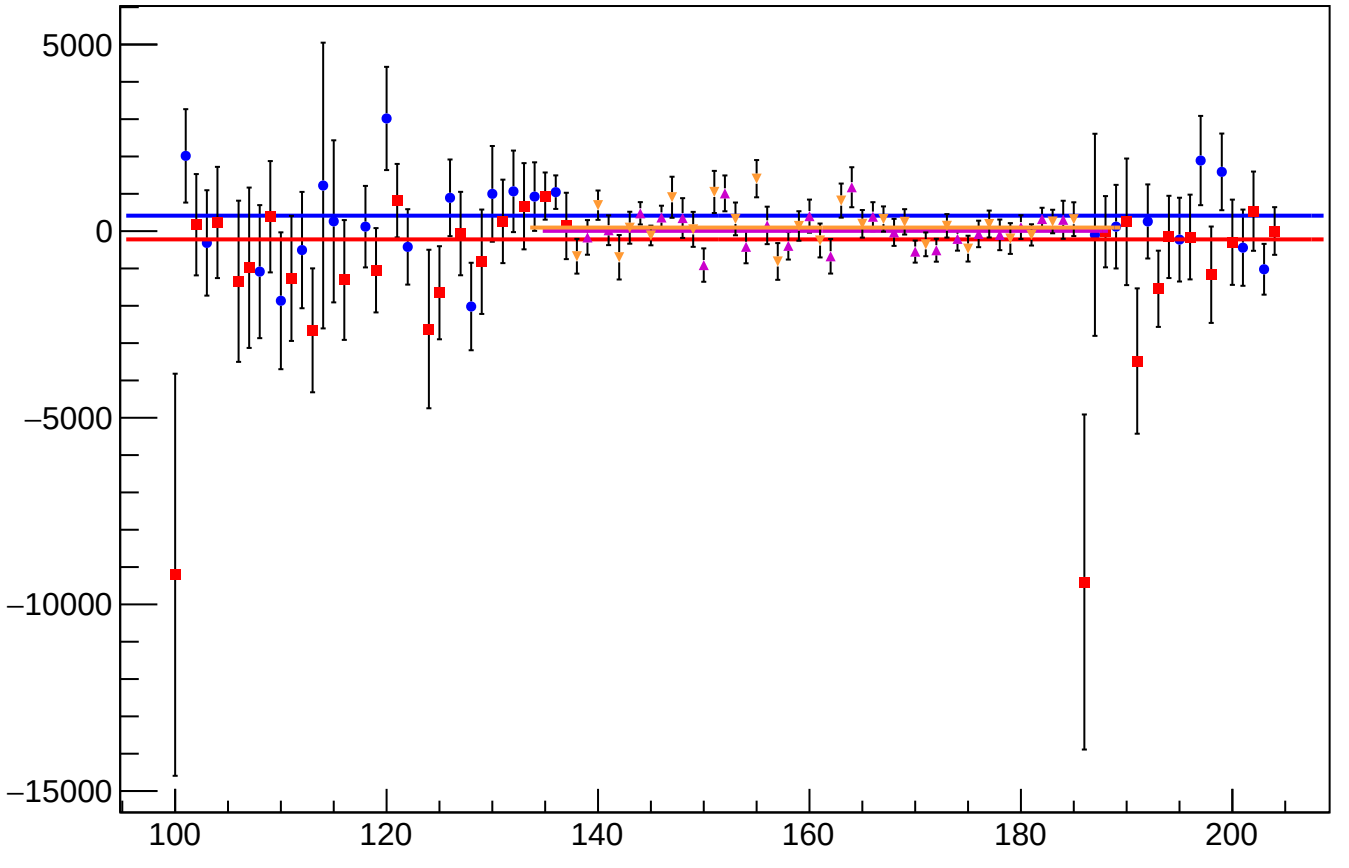
Left: 53.680+/-0.006 χ^2/NDF: 943555.9/47

Right: 80.669+/-0.011 χ^2/NDF: 3071887.0/53

In: 59.797+/-0.008 χ^2/NDF:3650435.8/46

Out: 60.605+/-0.008 χ^2/NDF:4899381.4/54

All: 60.213+/-0.005 χ^2/NDF: 8555360.7/101



Right In: 414.495+/-215.362 χ^2/NDF: 24.7/23

Left Out: 95.458+/-77.134 χ^2/NDF:33.2/24

Right Out: -220.986+/-216.425 χ^2/NDF: 25.2/29

Left In: 7.875+/-79.125 χ^2/NDF:32.3/22

Left: 52.783+/-55.233 χ^2/NDF: 66.1/47

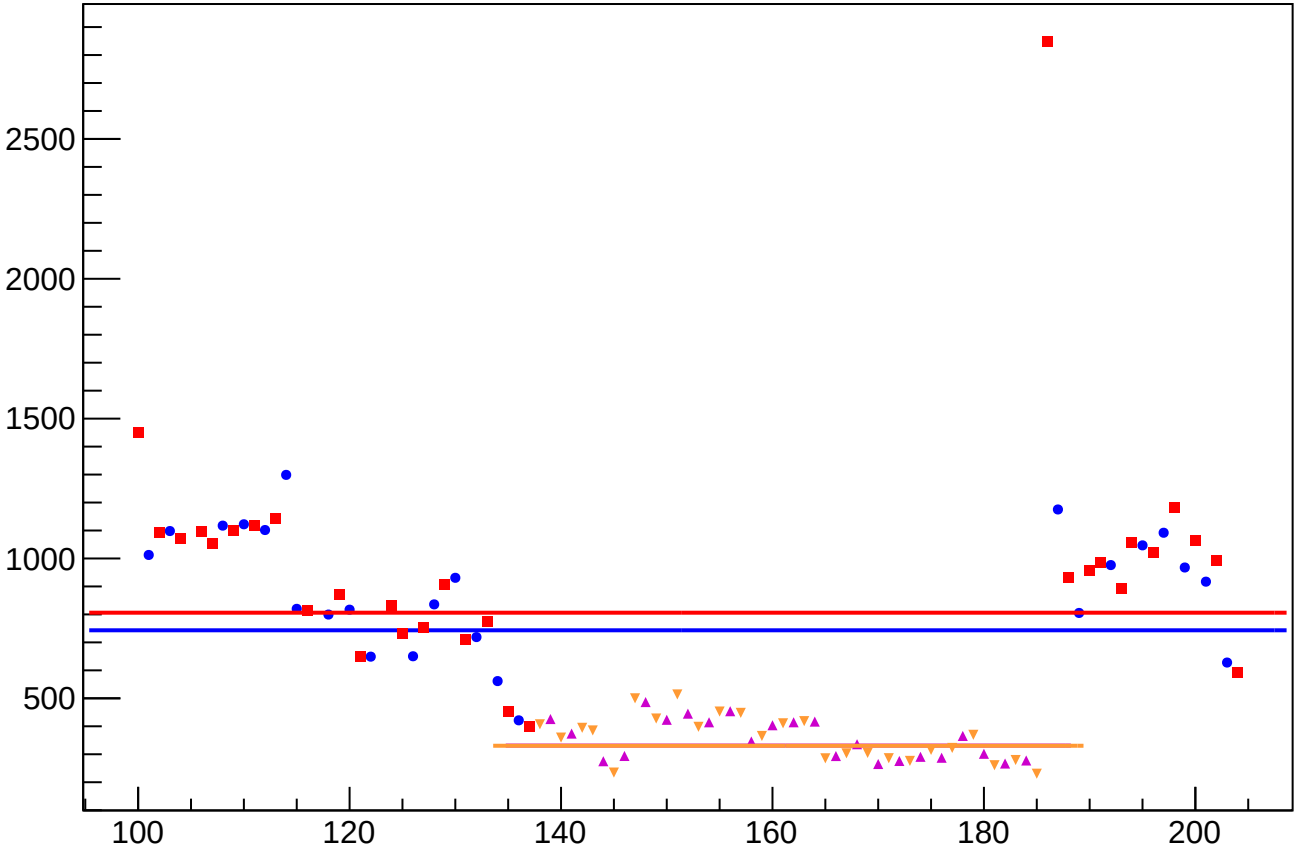
Right: 98.318+/-152.658 χ^2/NDF: 54.3/53

In: 56.236+/-74.271 χ^2/NDF:60.1/46

Out: 59.793+/-72.657 χ^2/NDF:60.3/54

All: 58.054+/-51.938 χ^2/NDF: 120.5/101

asym_sam_15_26_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 743.215+/-0.152 χ^2/NDF: 2444225.4/23

Left Out: 330.405+/-0.055 χ^2/NDF:1752469.2/24

Right Out: 806.130+/-0.153 χ^2/NDF: 2849658.0/29

Left In: 331.058+/-0.056 χ^2/NDF:1325610.1/22

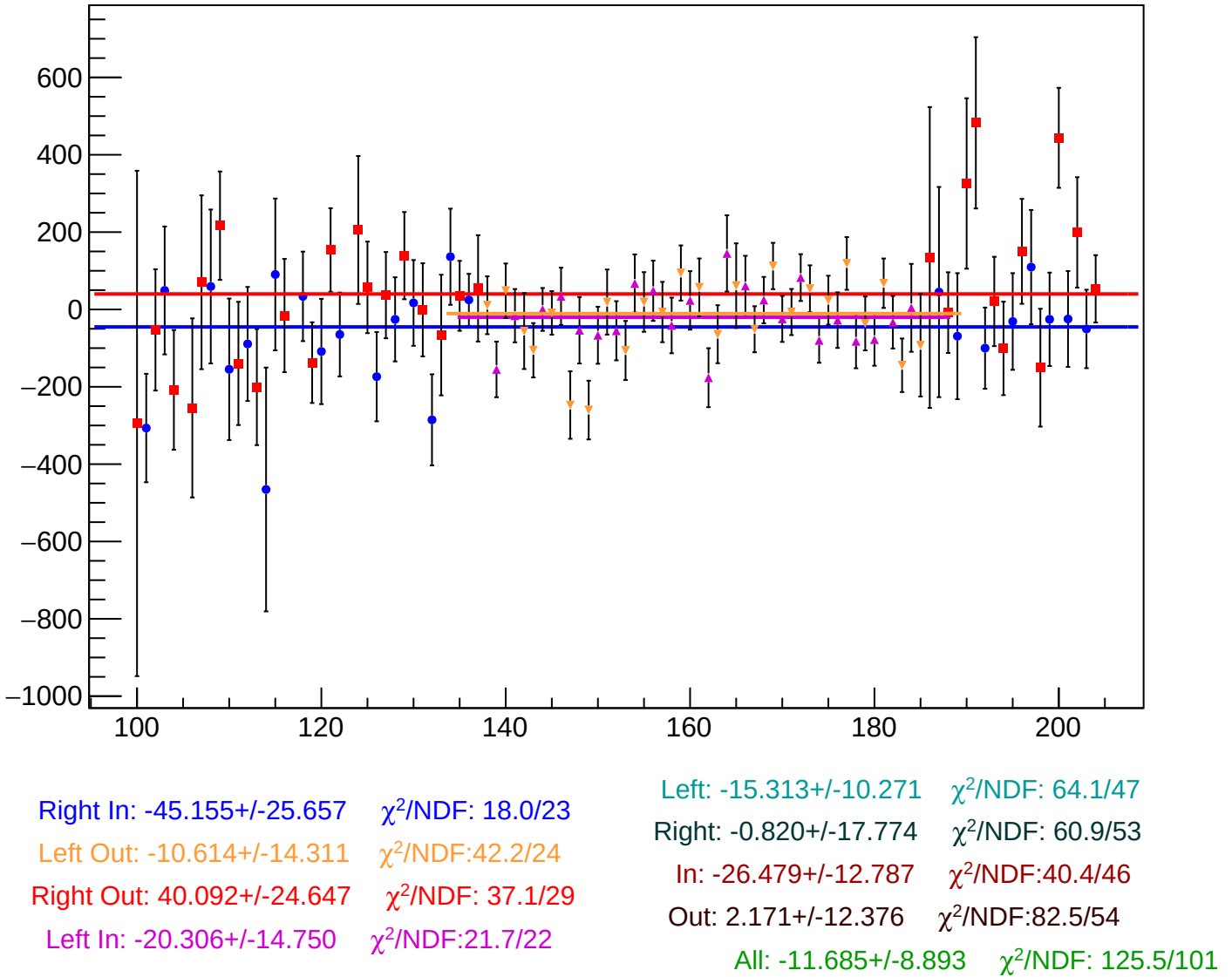
Left: 330.724+/-0.039 χ^2/NDF: 3078149.1/47

Right: 774.518+/-0.108 χ^2/NDF: 5378808.7/53

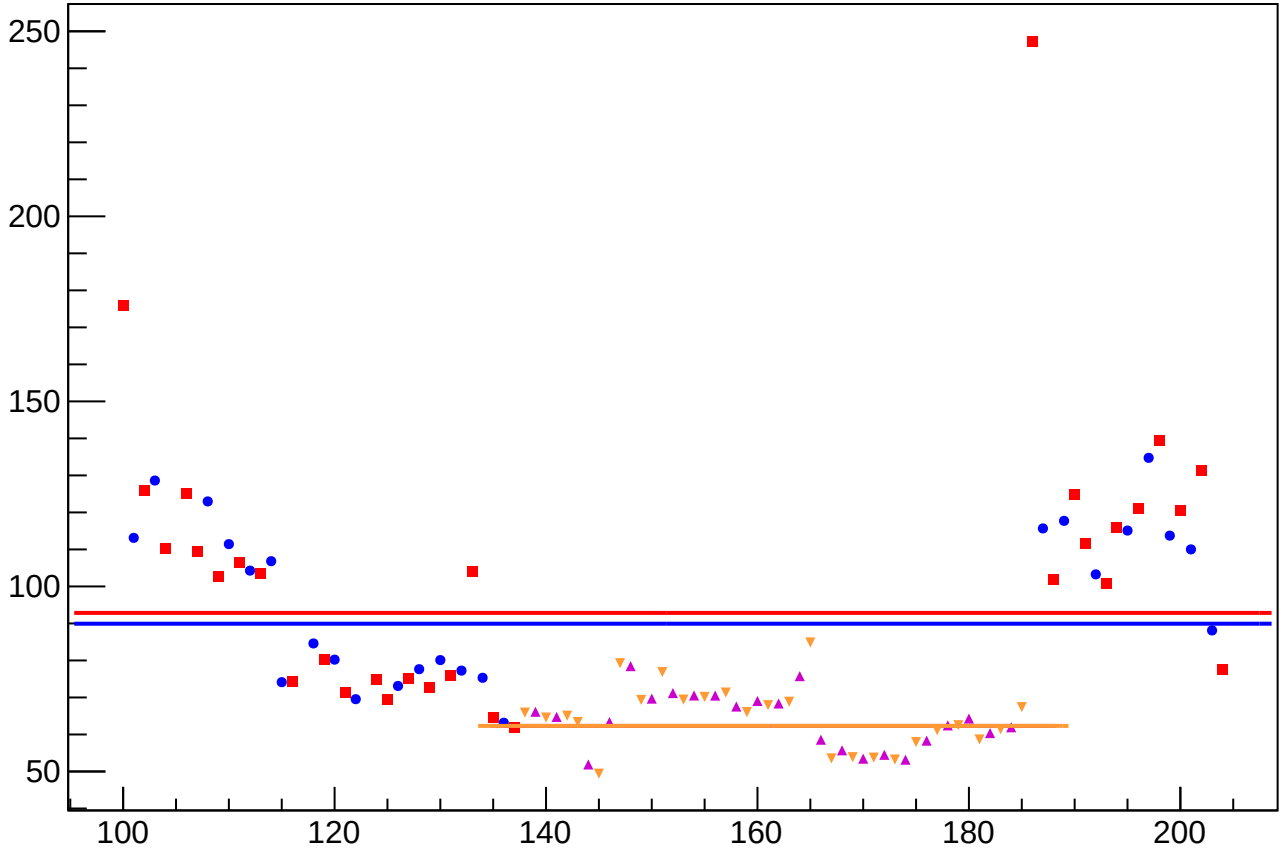
In: 380.077+/-0.053 χ^2/NDF:10223760.4/46

Out: 384.022+/-0.051 χ^2/NDF:13176370.4/54

All: 382.093+/-0.037 χ^2/NDF: 23403014.2/10


dit_asym_sam_15_26_dd_mean vs Slug, Sign Corrected
600
400
200
0
−200
−400
−600
−800
−1000
100
120
140
160
180
200
Right In: -45.155+/-25.657 χ²/NDF: 18.0/23
Left Out: -10.614+/-14.311 χ²/NDF:42.2/24
Right Out: 40.092+/-24.647 χ²/NDF: 37.1/29
Left In: -20.306+/-14.750 χ²/NDF:21.7/22
Left: -15.313+/-10.271 χ²/NDF: 64.1/47
Right: -0.820+/-17.774 χ²/NDF: 60.9/53
In: -26.479+/-12.787 χ²/NDF:40.4/46
Out: 2.171+/-12.376 χ²/NDF:82.5/54
All: -11.685+/-8.893 χ²/NDF: 125.5/101

dit_asym_sam_15_26_dd_rms vs Slug, Sign Corrected



Right In: 89.932+/-0.018 χ^2/NDF: 1324548.9/23

Left Out: 62.316+/-0.010 χ^2/NDF:636269.1/24

Right Out: 92.850+/-0.017 χ^2/NDF: 1970189.1/29

Left In: 62.310+/-0.010 χ^2/NDF:484549.5/22

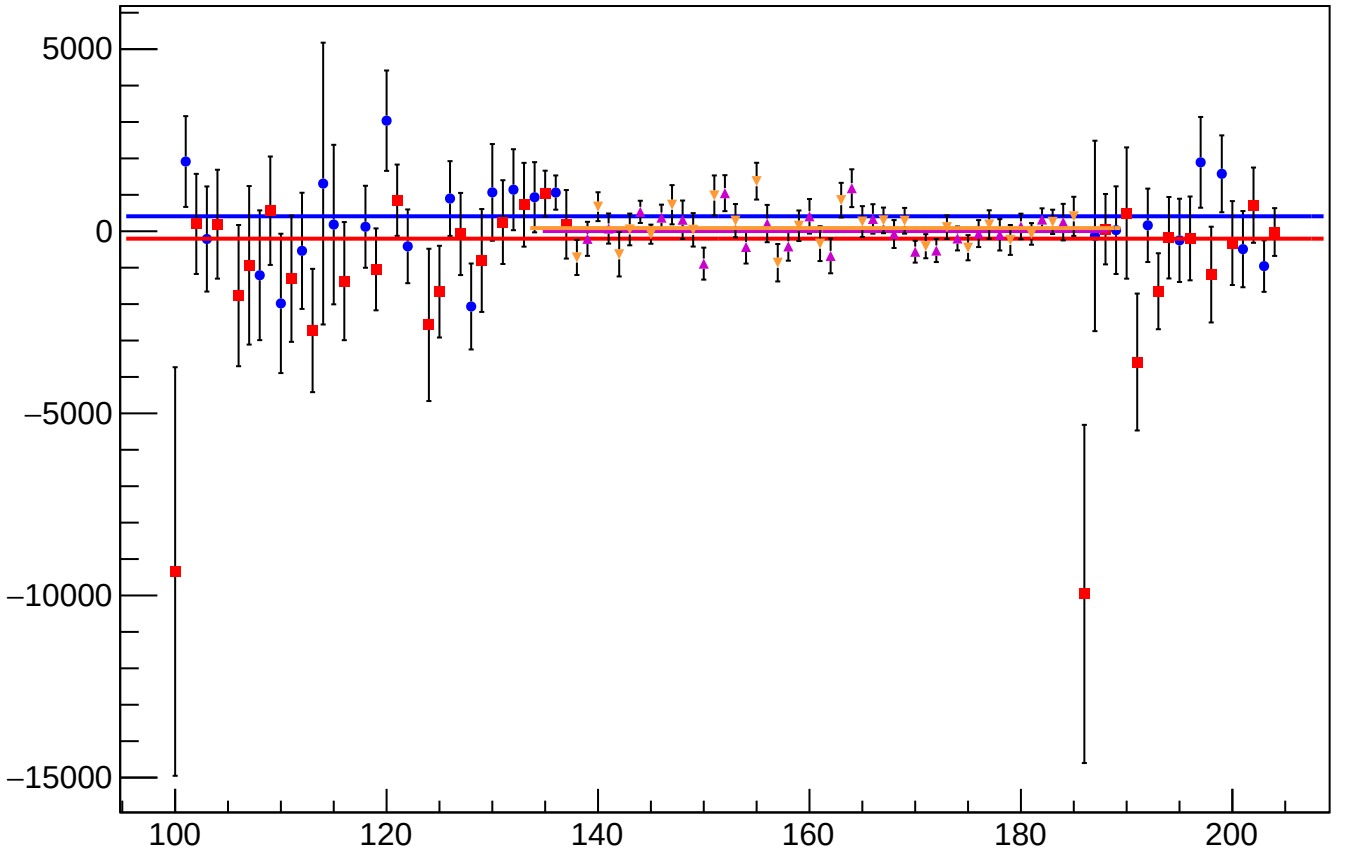
Left: 62.313+/-0.007 χ^2/NDF: 1120818.8/47

Right: 91.449+/-0.013 χ^2/NDF: 3308189.4/53

In: 69.172+/-0.009 χ^2/NDF:3551326.2/46

Out: 70.015+/-0.009 χ^2/NDF:4902000.2/54

All: 69.607+/-0.006 χ^2/NDF: 8457813.6/101



Right In: 411.182+/-221.594 χ^2/NDF: 24.0/23

Left Out: 86.985+/-79.837 χ^2/NDF:31.7/24

Right Out: -203.411+/-218.594 χ^2/NDF: 27.6/29

Left In: 6.497+/-82.111 χ^2/NDF:32.4/22

Left: 47.871+/-57.240 χ^2/NDF: 64.6/47

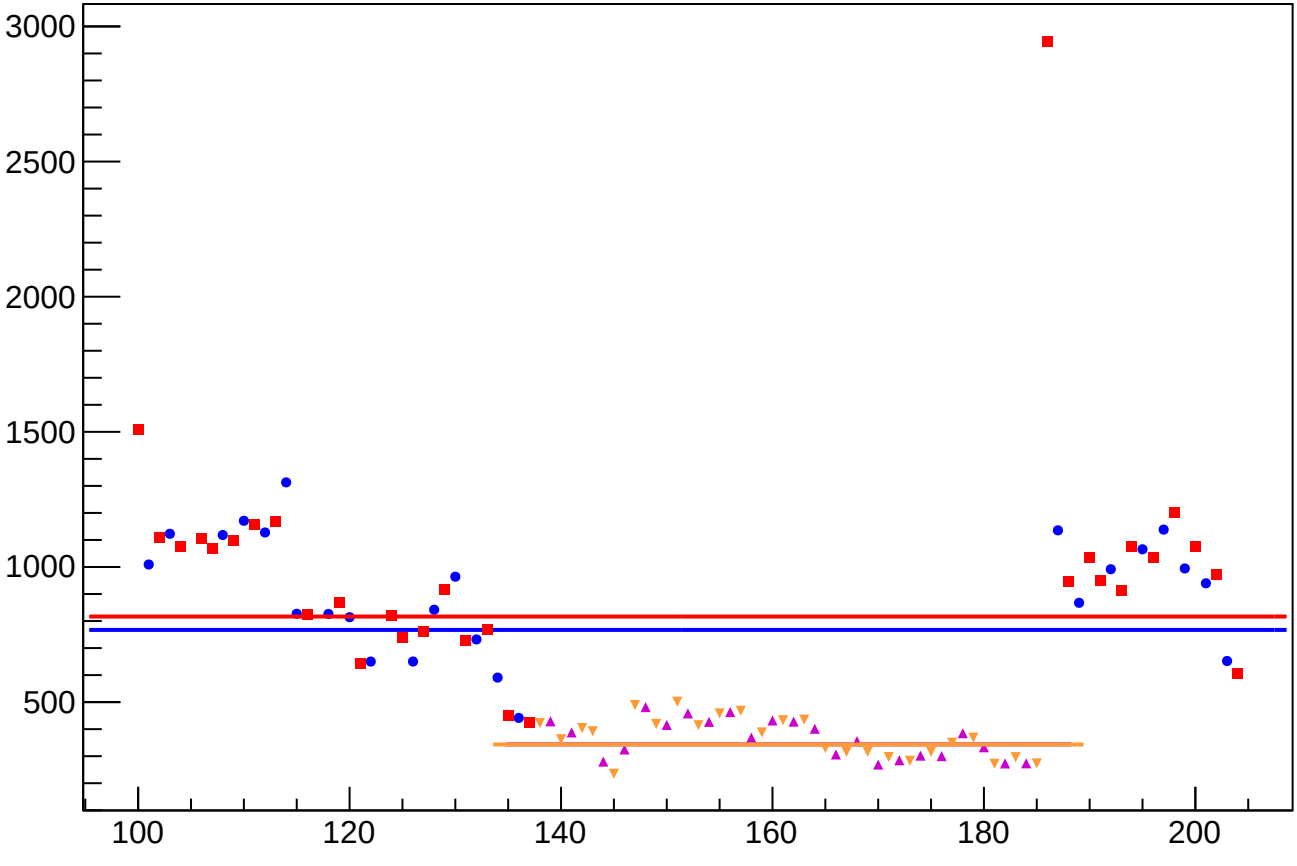
Right: 99.697+/-155.619 χ^2/NDF: 55.5/53

In: 55.353+/-76.995 χ^2/NDF:59.3/46

Out: 52.807+/-74.991 χ^2/NDF:60.8/54

All: 54.047+/-53.721 χ^2/NDF: 120.2/101

asym_sam_15_26_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 767.174+/-0.157 χ^2/NDF: 2315747.6/23

Left Out: 343.225+/-0.056 χ^2/NDF:1595394.3/24

Right Out: 816.691+/-0.155 χ^2/NDF: 2840305.6/29

Left In: 343.717+/-0.058 χ^2/NDF:1258376.8/22

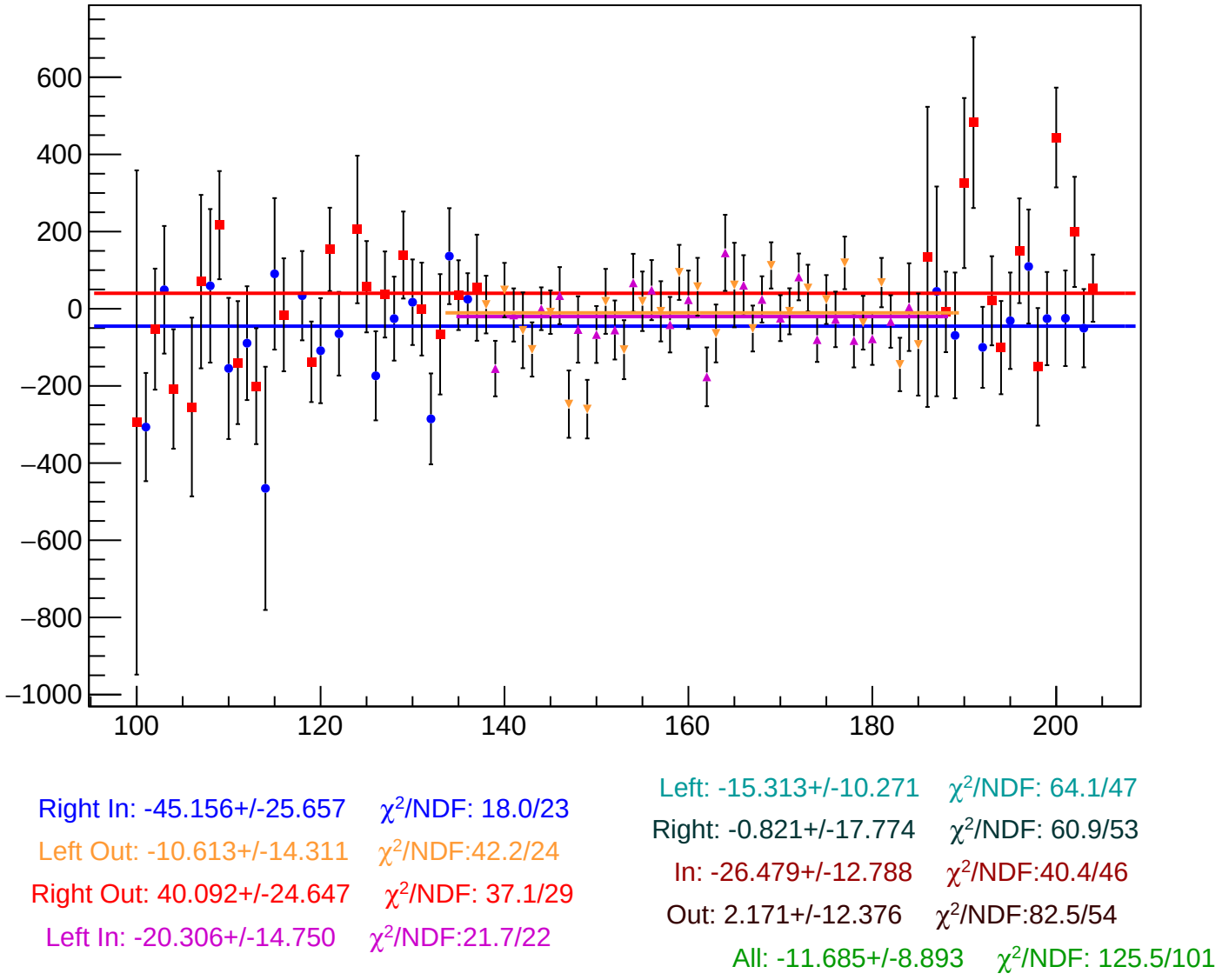
Left: 343.464+/-0.040 χ^2/NDF: 2853808.0/47

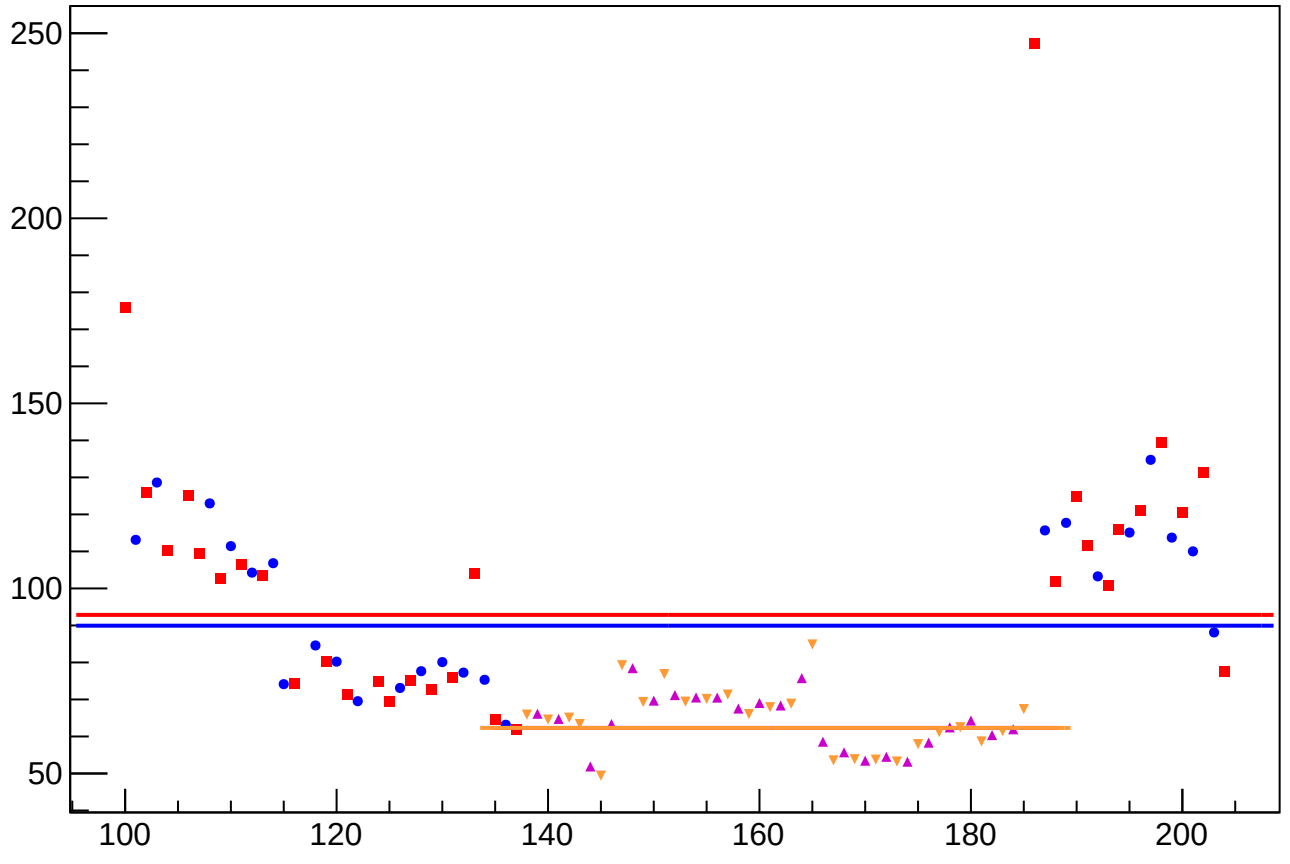
Right: 792.270+/-0.110 χ^2/NDF: 5206666.2/53

In: 394.840+/-0.054 χ^2/NDF:9995920.9/46

Out: 398.948+/-0.053 χ^2/NDF:12714176.3/54

All: 396.948+/-0.038 χ^2/NDF: 22713019.4/10


eigen_dit_asym_sam_15_26_dd_mean vs Slug, Sign Corrected
600
400
200
0
−200
−400
−600
−800
−1000
100
120
140
160
180
200
Right In: -45.156+/-25.657 χ²/NDF: 18.0/23
Left Out: -10.613+/-14.311 χ²/NDF:42.2/24
Right Out: 40.092+/-24.647 χ²/NDF: 37.1/29
Left In: -20.306+/-14.750 χ²/NDF:21.7/22
Left: -15.313+/-10.271 χ²/NDF: 64.1/47
Right: -0.821+/-17.774 χ²/NDF: 60.9/53
In: -26.479+/-12.788 χ²/NDF:40.4/46
Out: 2.171+/-12.376 χ²/NDF:82.5/54
All: -11.685+/-8.893 χ²/NDF: 125.5/101



Right In: 89.932+/-0.018 χ^2/NDF: 1324567.4/23

Left Out: 62.316+/-0.010 χ^2/NDF:636268.2/24

Right Out: 92.849+/-0.017 χ^2/NDF: 1970189.6/29

Left In: 62.311+/-0.010 χ^2/NDF:484544.3/22

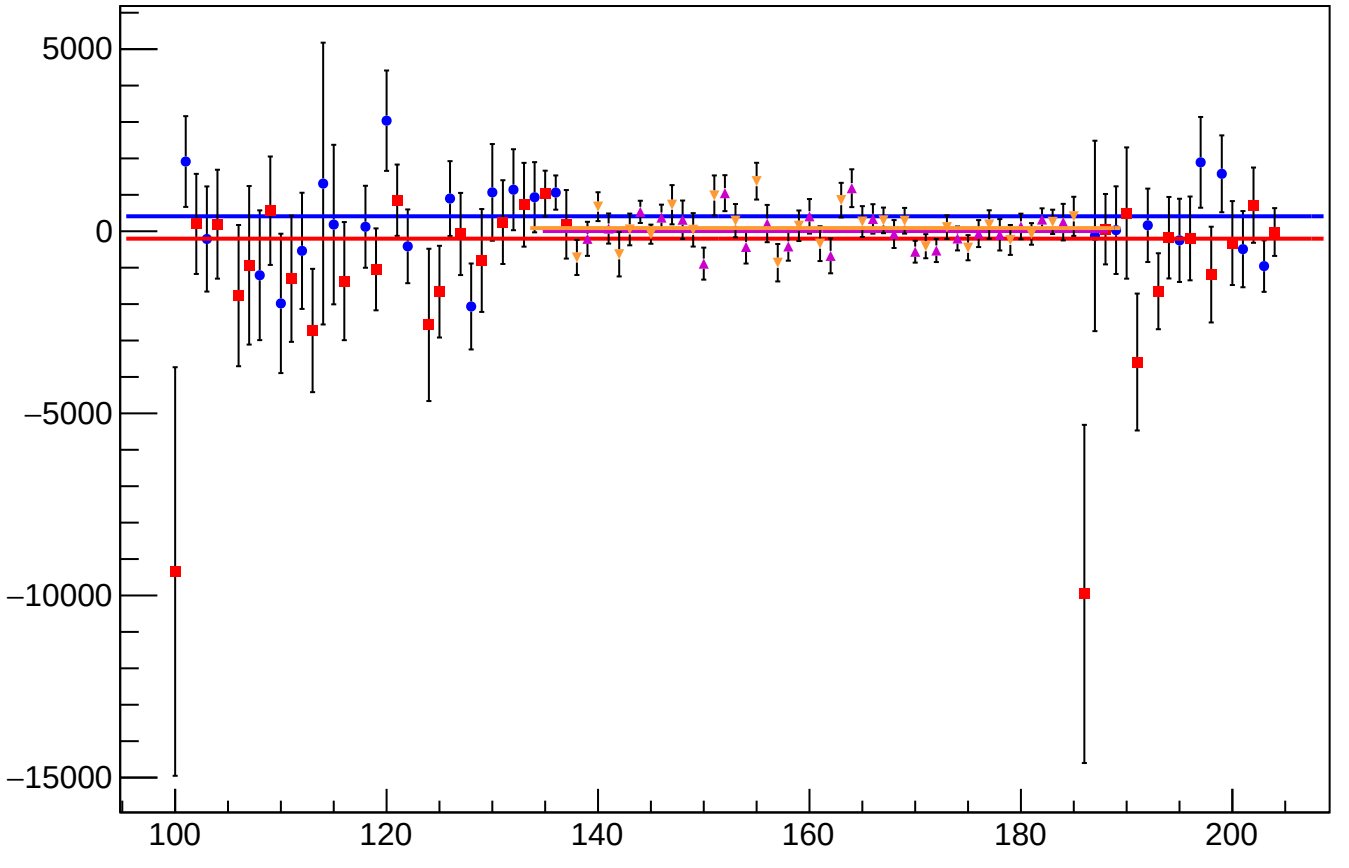
Left: 62.314+/-0.007 χ^2/NDF: 1120812.6/47

Right: 91.449+/-0.013 χ^2/NDF: 3308209.8/53

In: 69.172+/-0.009 χ^2/NDF:3551279.1/46

Out: 70.015+/-0.009 χ^2/NDF:4901966.3/54

All: 69.607+/-0.006 χ^2/NDF: 8457731.7/101



Right In: 411.182+/-221.594 χ^2/NDF: 24.0/23

Left Out: 86.985+/-79.837 χ^2/NDF:31.7/24

Right Out: -203.412+/-218.594 χ^2/NDF: 27.6/29

Left In: 6.497+/-82.111 χ^2/NDF:32.4/22

Left: 47.871+/-57.240 χ^2/NDF: 64.6/47

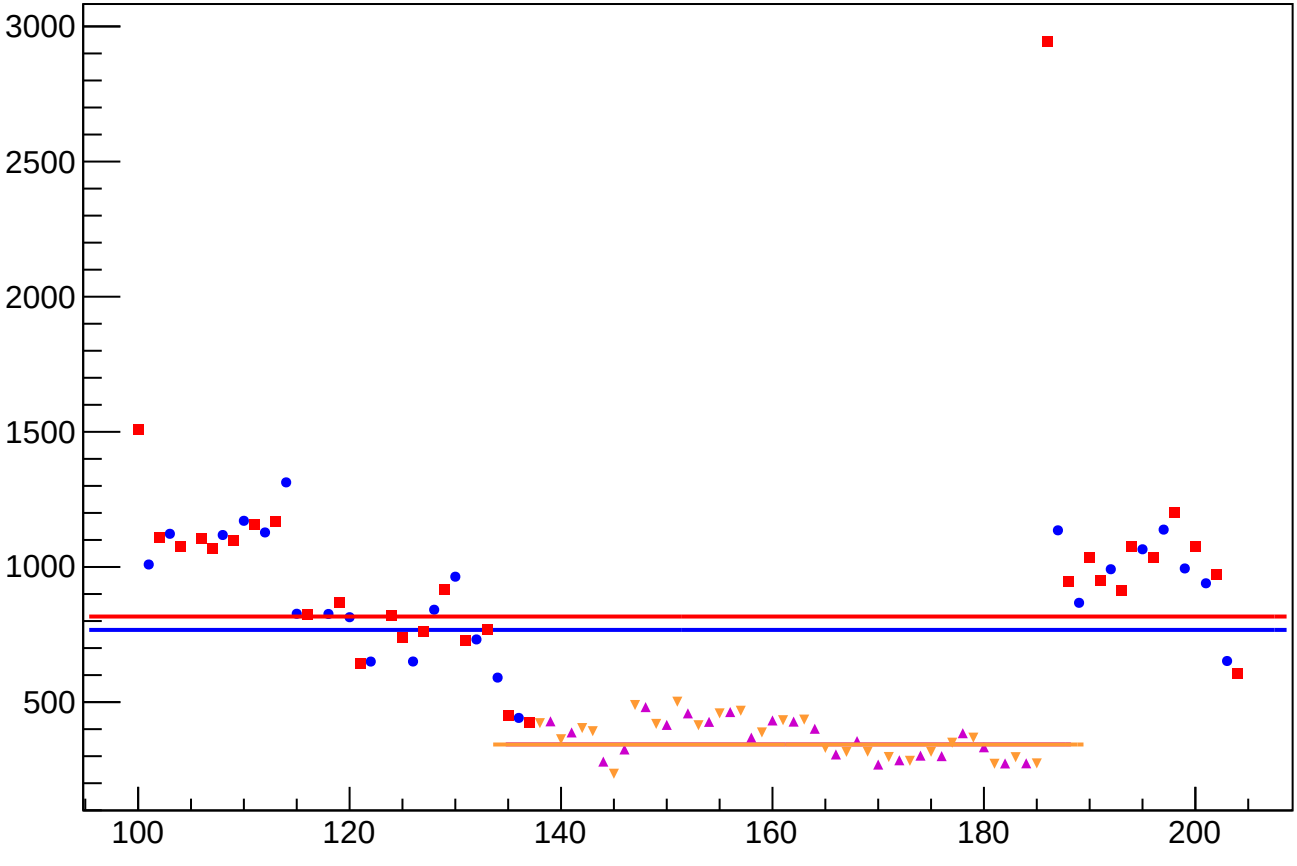
Right: 99.696+/-155.619 χ^2/NDF: 55.5/53

In: 55.354+/-76.995 χ^2/NDF:59.3/46

Out: 52.807+/-74.991 χ^2/NDF:60.8/54

All: 54.047+/-53.721 χ^2/NDF: 120.2/101

asym_sam_15_26_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 767.174+/-0.157 χ^2/NDF: 2315736.1/23

Left Out: 343.225+/-0.056 χ^2/NDF:1595415.4/24

Right Out: 816.691+/-0.155 χ^2/NDF: 2840295.0/29

Left In: 343.717+/-0.058 χ^2/NDF:1258392.0/22

Left: 343.464+/-0.040 χ^2/NDF: 2853844.3/47

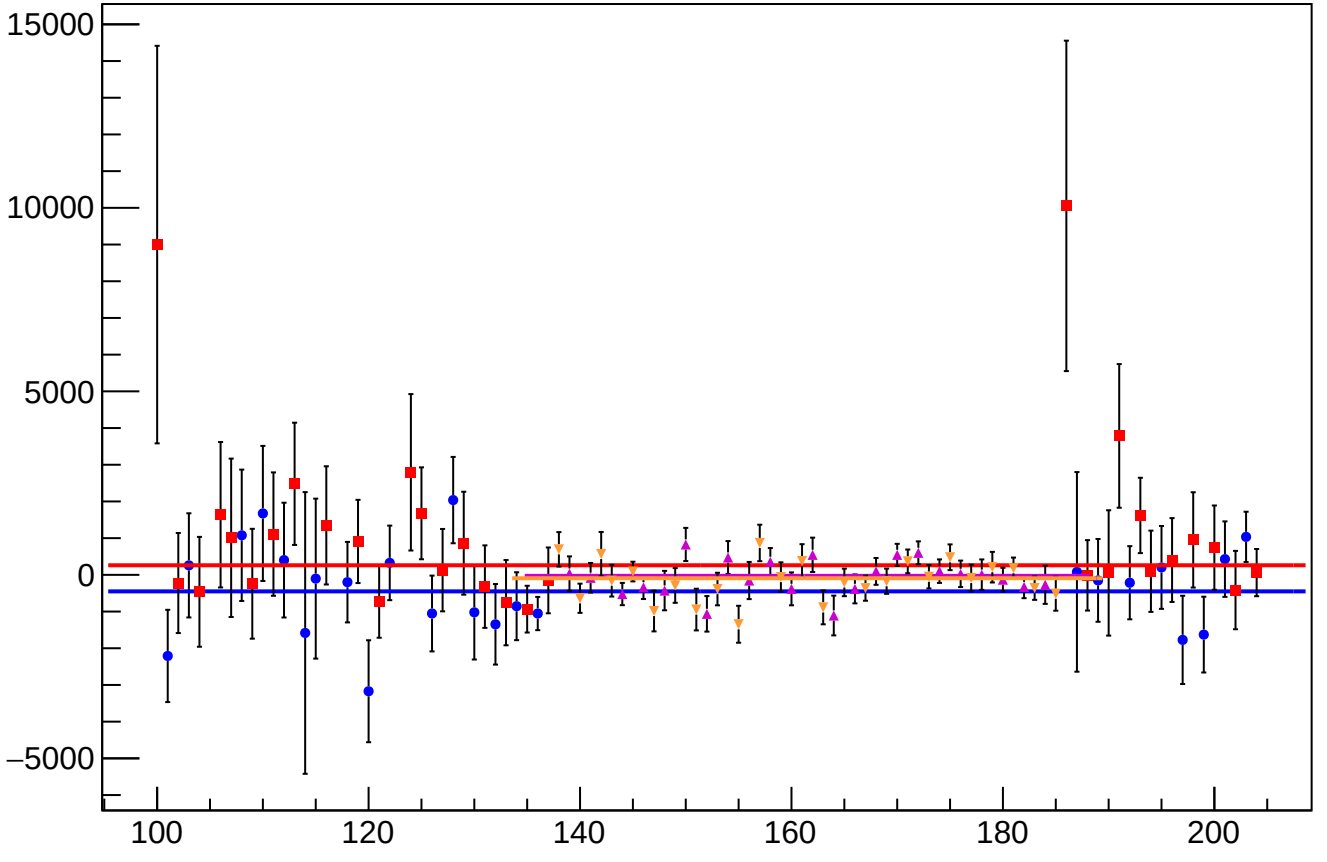
Right: 792.270+/-0.110 χ^2/NDF: 5206644.5/53

In: 394.840+/-0.054 χ^2/NDF:9995917.6/46

Out: 398.948+/-0.053 χ^2/NDF:12714186.1/54

All: 396.948+/-0.038 χ^2/NDF: 22713025.6/10

asym_sam_15_26_dd_mean vs Slug, Sign Corrected



Right In: -450.284+/-216.720 χ^2/NDF: 25.2/23

Left Out: -92.671+/-78.184 χ^2/NDF:34.2/24

Right Out: 261.184+/-217.431 χ^2/NDF: 26.0/29

Left In: -27.173+/-80.207 χ^2/NDF:30.9/22

Left: -60.759+/-55.986 χ^2/NDF: 65.4/47

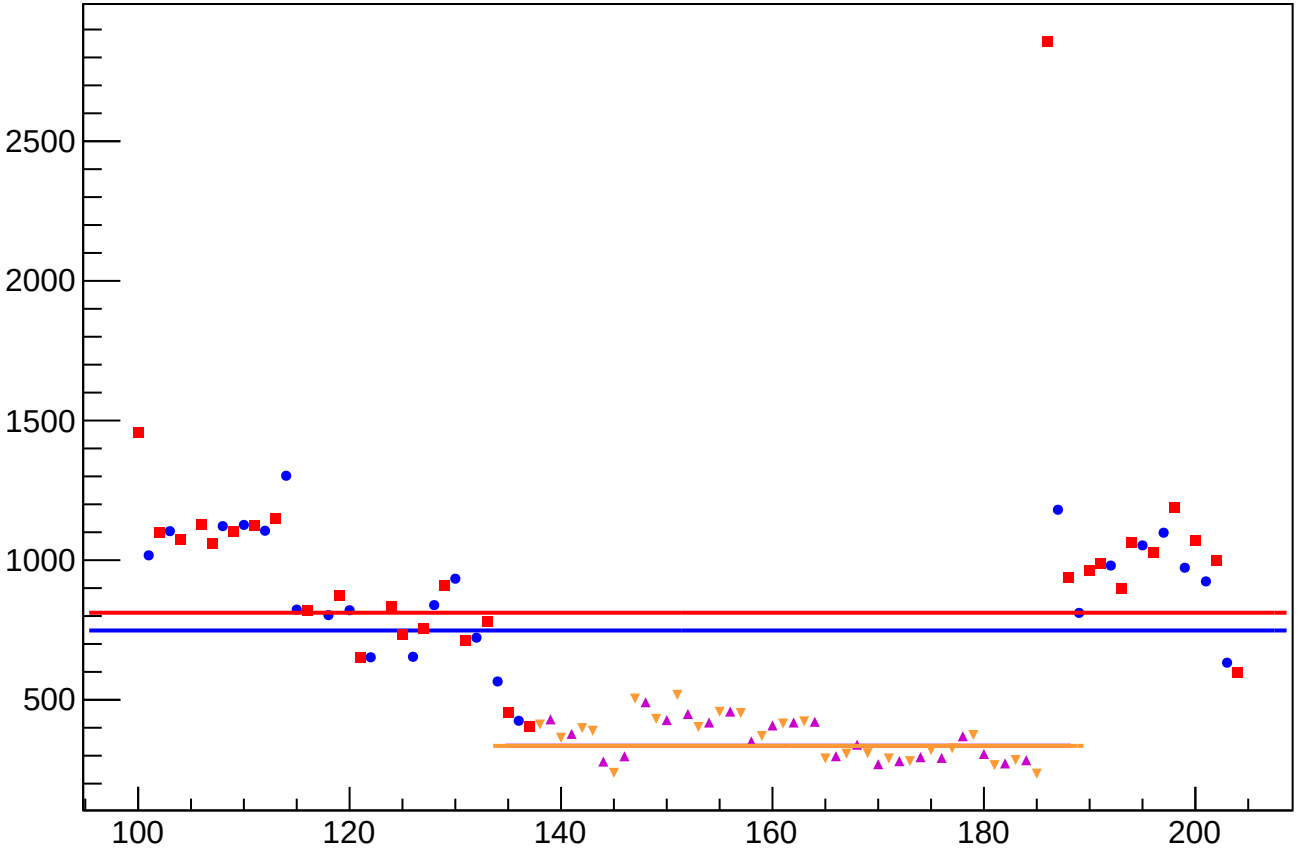
Right: -95.715+/-153.495 χ^2/NDF: 56.6/53

In: -78.146+/-75.221 χ^2/NDF:59.5/46

Out: -52.156+/-73.572 χ^2/NDF:62.5/54

All: -64.863+/-52.597 χ^2/NDF: 122.0/101

asym_sam_15_26_dd_rms vs Slug, Sign Corrected



Right In: 748.256+/-0.153 χ^2/NDF: 2422835.5/23

Left Out: 335.150+/-0.055 χ^2/NDF:1706014.2/24

Right Out: 811.869+/-0.154 χ^2/NDF: 2847561.7/29

Left In: 335.787+/-0.057 χ^2/NDF:1291376.5/22

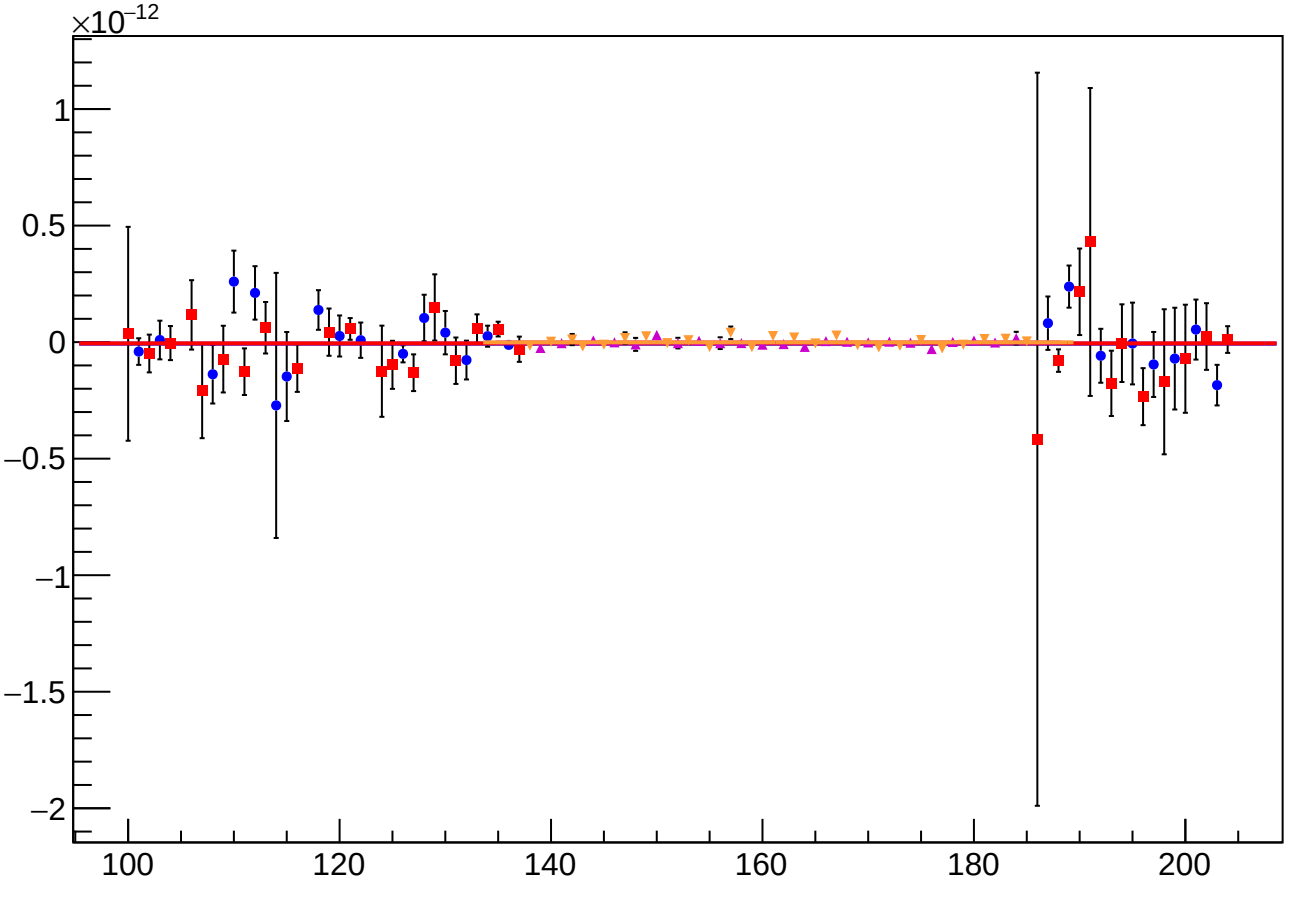
Left: 335.460+/-0.040 χ^2/NDF: 2997455.5/47

Right: 779.958+/-0.109 χ^2/NDF: 5356272.5/53

In: 385.477+/-0.053 χ^2/NDF:10086021.5/46

Out: 389.732+/-0.052 χ^2/NDF:13066970.8/54

All: 387.652+/-0.037 χ^2/NDF: 23156261.8/10



Right In: -0.000+/-0.000 χ^2/NDF: 30.2/23

Left Out: -0.000+/-0.000 χ^2/NDF:33.3/24

Right Out: -0.000+/-0.000 χ^2/NDF: 27.4/29

Left In: -0.000+/-0.000 χ^2/NDF:14.8/22

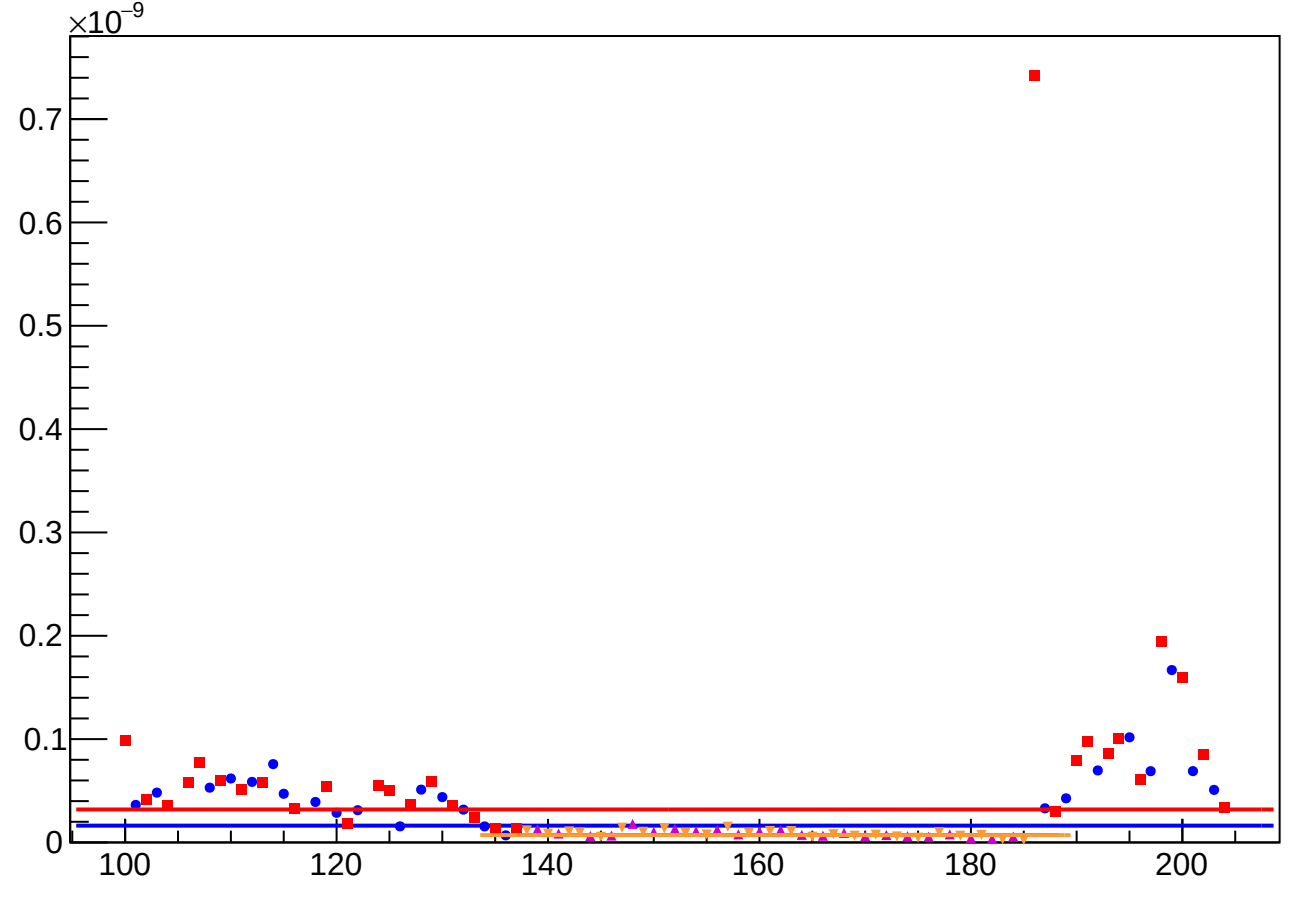
Left: -0.000+/-0.000 χ^2/NDF: 48.1/47

Right: -0.000+/-0.000 χ^2/NDF: 57.6/53

In: -0.000+/-0.000 χ^2/NDF:45.2/46

Out: -0.000+/-0.000 χ^2/NDF:60.7/54

All: -0.000+/-0.000 χ^2/NDF: 106.0/101



Right In: 0.000+/-0.000 χ^2/NDF: 6183740.3/23

Left Out: 0.000+/-0.000 χ^2/NDF:2000233.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4618489.8/29

Left In: 0.000+/-0.000 χ^2/NDF:1604062.0/22

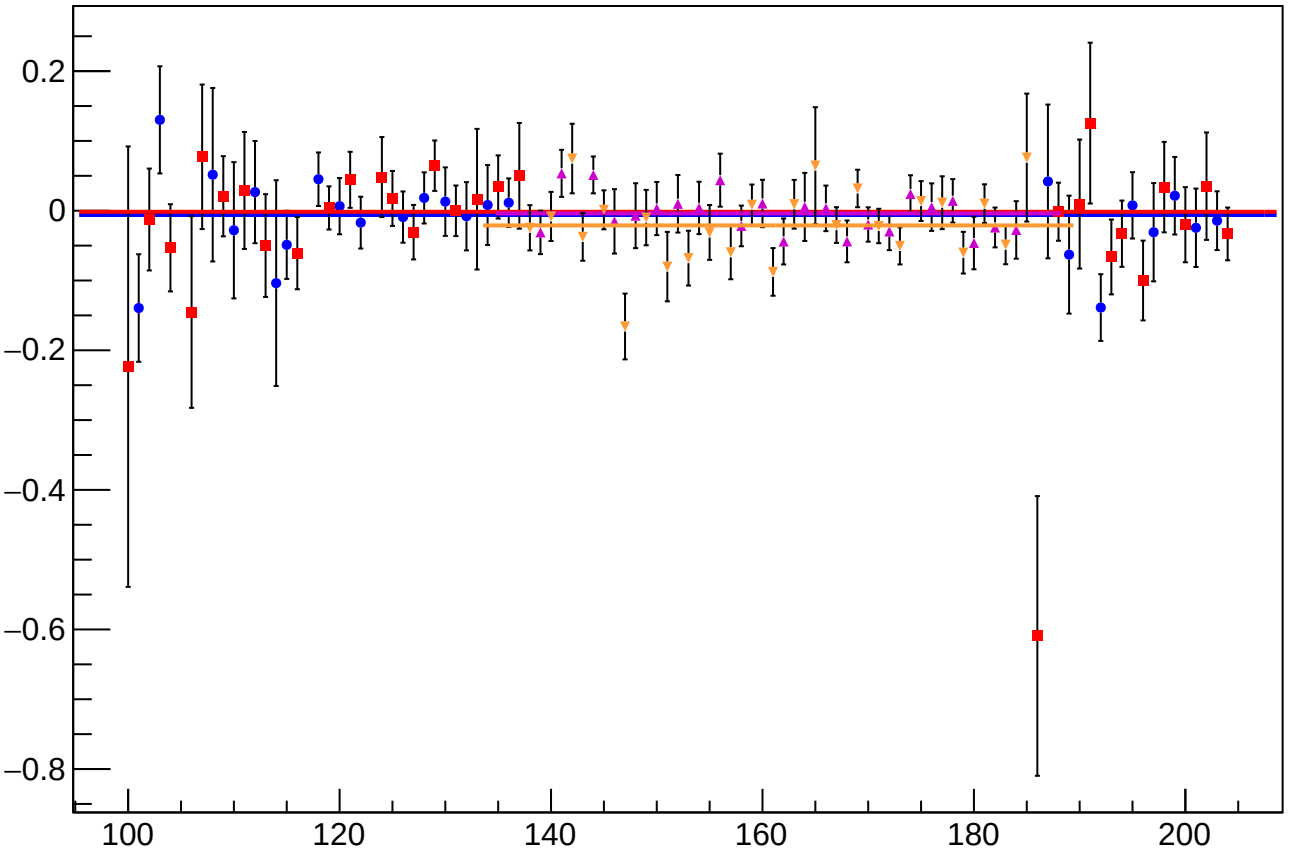
Left: 0.000+/-0.000 χ^2/NDF: 3606525.6/47

Right: 0.000+/-0.000 χ^2/NDF: 12270224.9/53

In: 0.000+/-0.000 χ^2/NDF:9252989.8/46

Out: 0.000+/-0.000 χ^2/NDF:11781274.5/54

All: 0.000+/-0.000 χ^2/NDF: 21034274.8/101



Right In: -0.006+/-0.010 χ^2/NDF: 19.7/23

Left Out: -0.021+/-0.007 χ^2/NDF:37.2/24

Right Out: -0.002+/-0.010 χ^2/NDF: 28.9/29

Left In: -0.004+/-0.007 χ^2/NDF:18.7/22

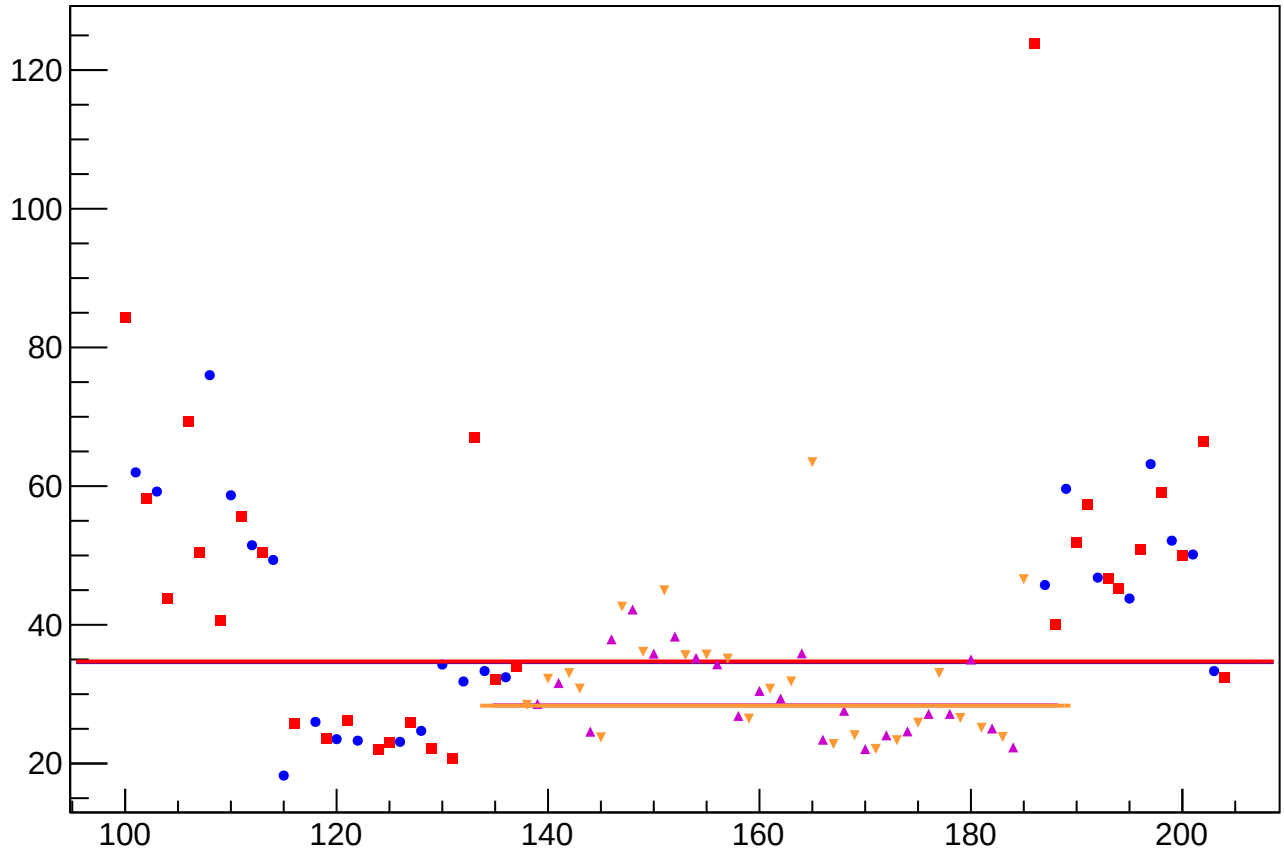
Left: -0.013+/-0.005 χ^2/NDF: 59.1/47

Right: -0.004+/-0.007 χ^2/NDF: 48.6/53

In: -0.005+/-0.006 χ^2/NDF:38.4/46

Out: -0.015+/-0.006 χ^2/NDF:68.8/54

All: -0.010+/-0.004 χ^2/NDF: 108.8/101



Right In: 34.623+/-0.007 χ^2/NDF: 3029601.2/23

Left Out: 28.342+/-0.005 χ^2/NDF:1733592.1/24

Right Out: 34.707+/-0.007 χ^2/NDF: 3968545.0/29

Left In: 28.389+/-0.005 χ^2/NDF:1098849.1/22

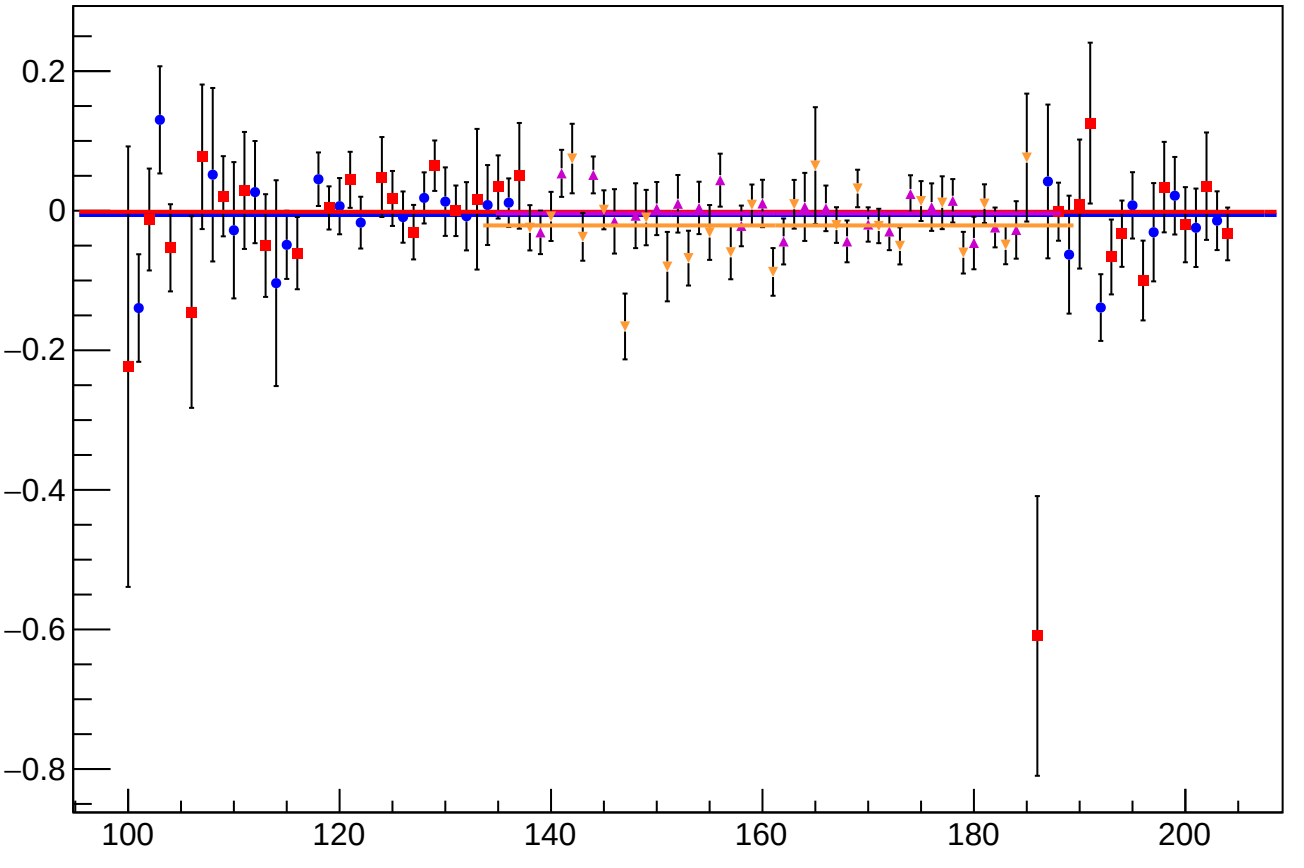
Left: 28.365+/-0.003 χ^2/NDF: 2832490.4/47

Right: 34.668+/-0.005 χ^2/NDF: 6998214.0/53

In: 30.264+/-0.004 χ^2/NDF:4625170.2/46

Out: 30.369+/-0.004 χ^2/NDF:6282336.1/54

All: 30.319+/-0.003 χ^2/NDF: 10907856.9/101



Right In: -0.006+/-0.010 χ^2/NDF: 19.7/23

Left Out: -0.021+/-0.007 χ^2/NDF:37.2/24

Right Out: -0.002+/-0.010 χ^2/NDF: 28.9/29

Left In: -0.004+/-0.007 χ^2/NDF:18.7/22

Left: -0.013+/-0.005 χ^2/NDF: 59.1/47

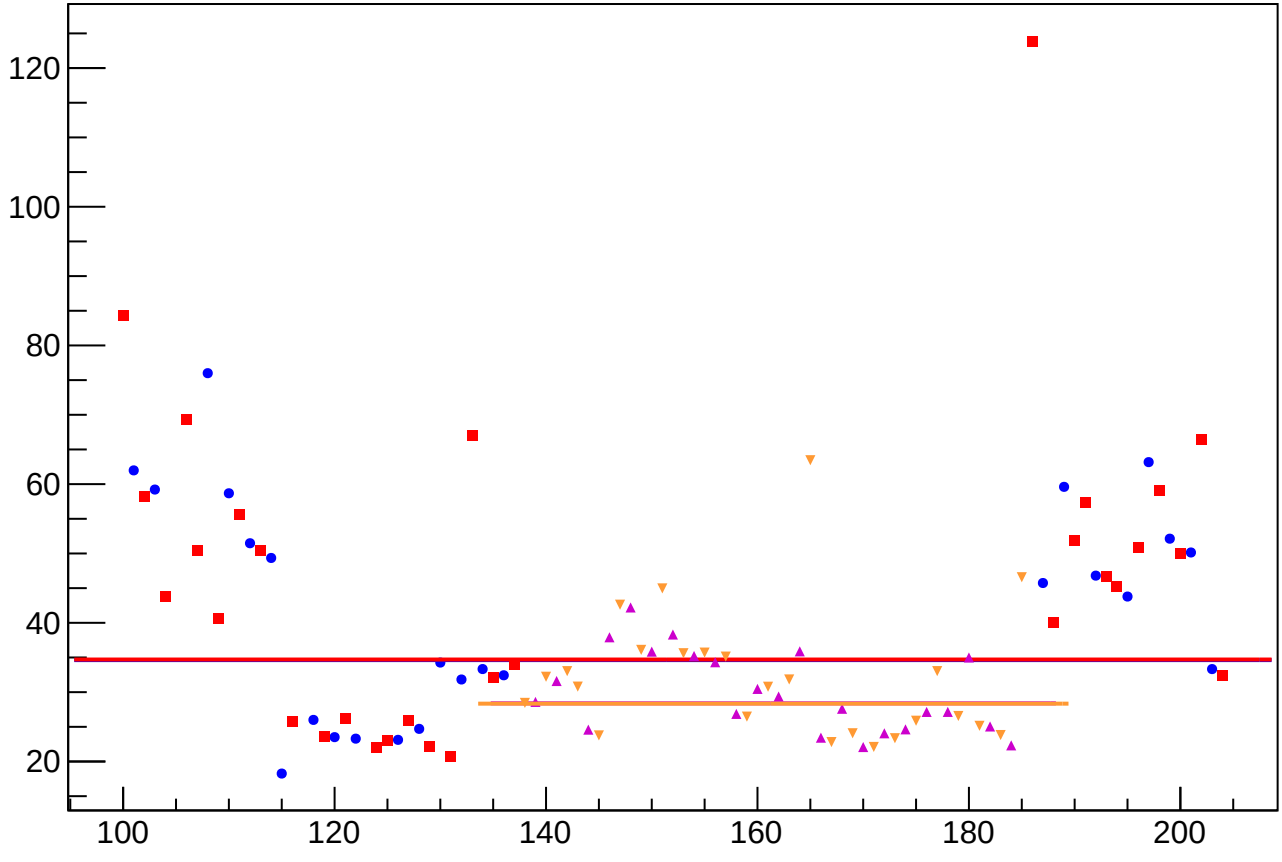
Right: -0.004+/-0.007 χ^2/NDF: 48.6/53

In: -0.005+/-0.006 χ^2/NDF:38.4/46

Out: -0.015+/-0.006 χ^2/NDF:68.8/54

All: -0.010+/-0.004 χ^2/NDF: 108.8/101

asym_sam_15_26_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.623+/-0.007 χ^2/NDF: 3029601.2/23

Left Out: 28.342+/-0.005 χ^2/NDF:1733592.1/24

Right Out: 34.707+/-0.007 χ^2/NDF: 3968545.0/29

Left In: 28.389+/-0.005 χ^2/NDF:1098849.1/22

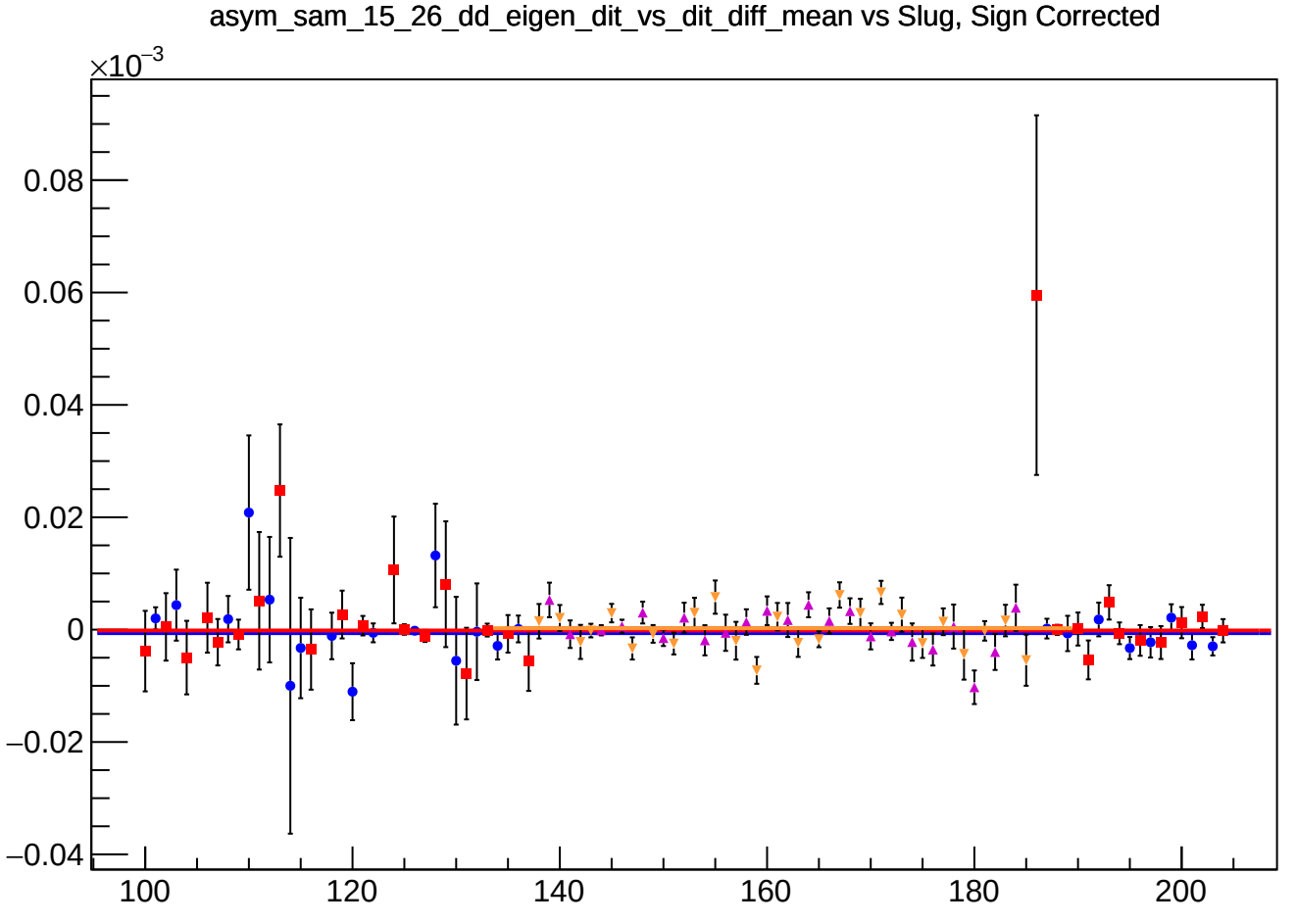
Left: 28.365+/-0.003 χ^2/NDF: 2832490.4/47

Right: 34.668+/-0.005 χ^2/NDF: 6998214.0/53

In: 30.264+/-0.004 χ^2/NDF:4625170.2/46

Out: 30.369+/-0.004 χ^2/NDF:6282336.1/54

All: 30.319+/-0.003 χ^2/NDF: 10907856.9/101



Right In: -0.000+/-0.000 χ^2/NDF: 20.8/23

Left Out: 0.000+/-0.000 χ^2/NDF:50.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 22.7/29

Left In: 0.000+/-0.000 χ^2/NDF:33.2/22

Left: 0.000+/-0.000 χ^2/NDF: 84.0/47

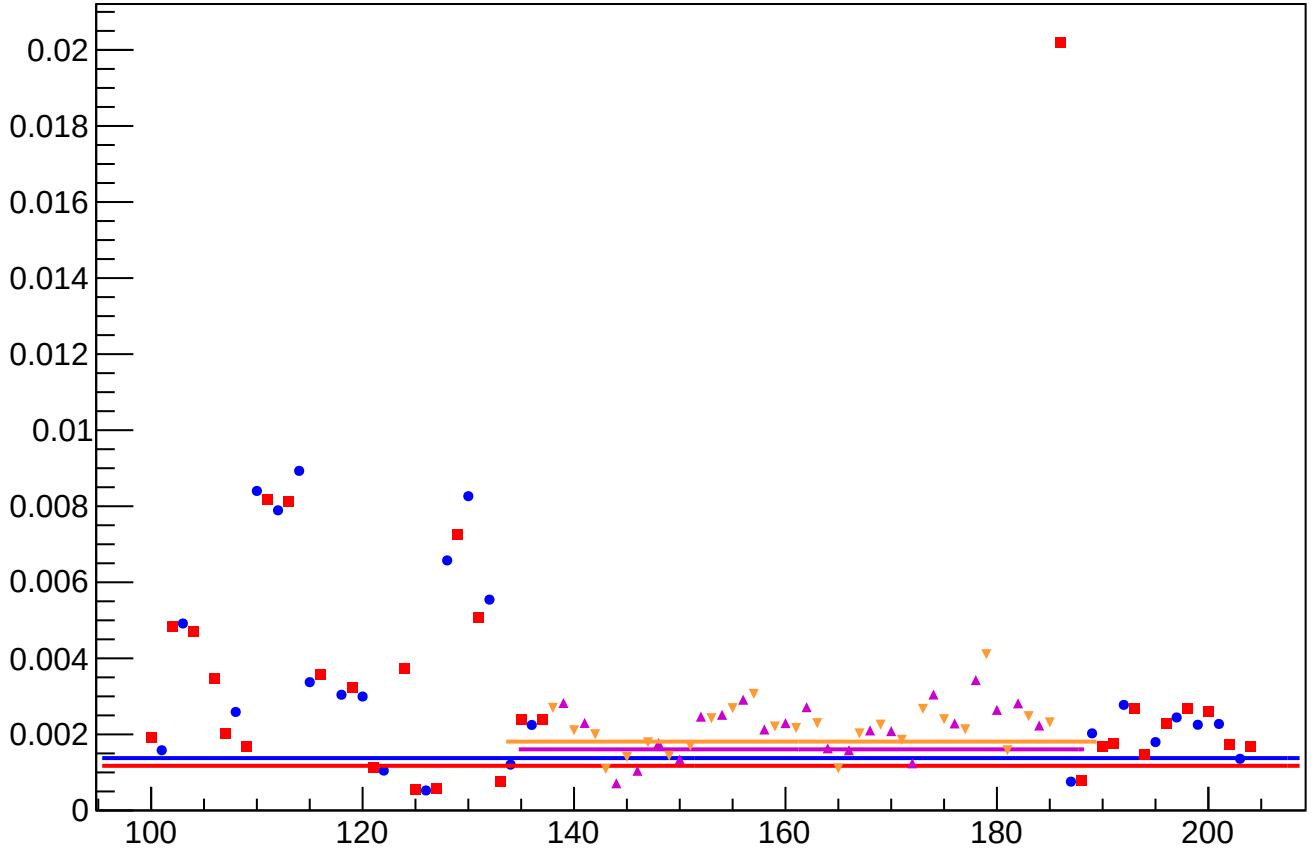
Right: -0.000+/-0.000 χ^2/NDF: 44.0/53

In: -0.000+/-0.000 χ^2/NDF:55.8/46

Out: 0.000+/-0.000 χ^2/NDF:74.0/54

All: -0.000+/-0.000 χ^2/NDF: 129.9/101

asym_sam_15_26_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 8810695.2/23

Left Out: 0.002+/-0.000 χ^2/NDF:3433566.6/24

Right Out: 0.001+/-0.000 χ^2/NDF: 10534688.3/29

Left In: 0.002+/-0.000 χ^2/NDF:6034225.5/22

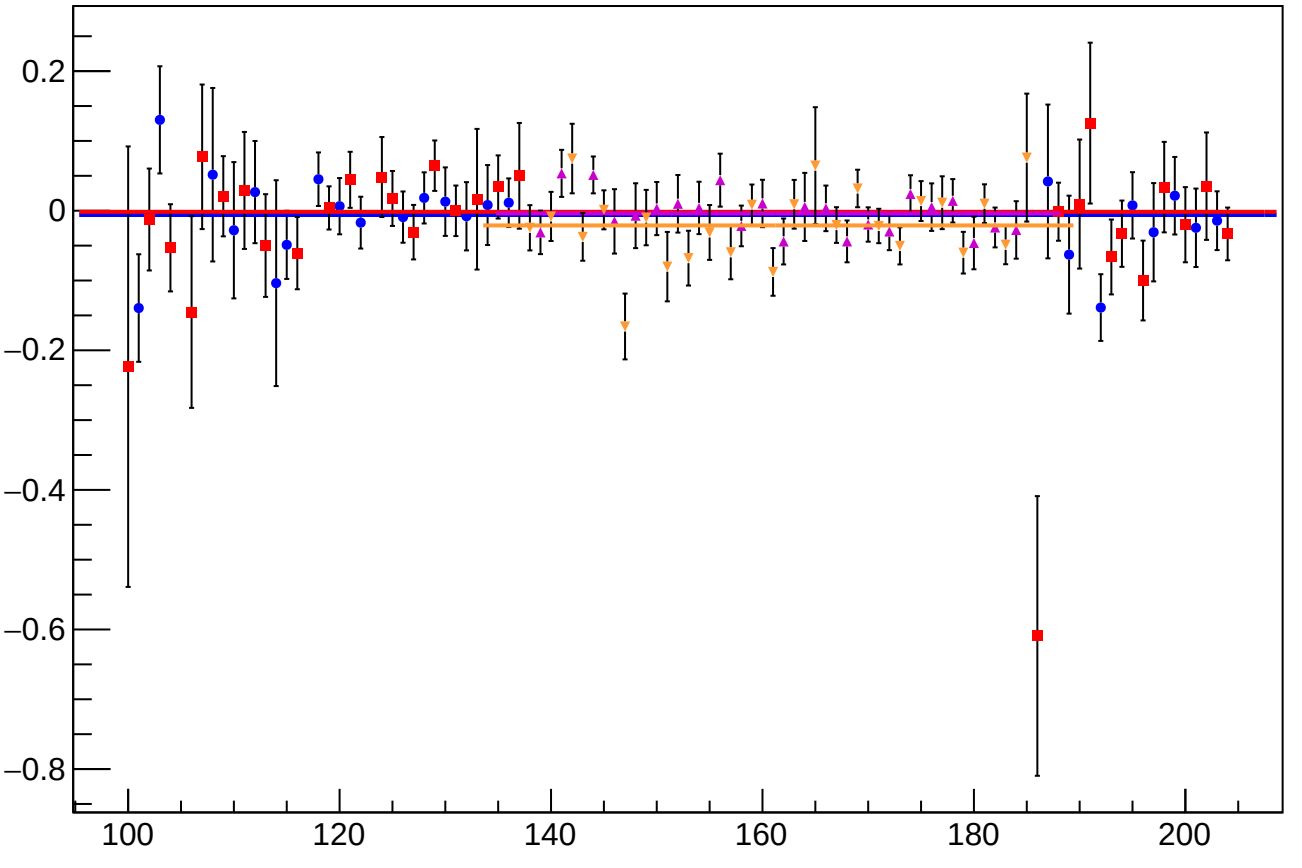
Left: 0.002+/-0.000 χ^2/NDF: 9693636.7/47

Right: 0.001+/-0.000 χ^2/NDF: 19555631.3/53

In: 0.002+/-0.000 χ^2/NDF:15100878.6/46

Out: 0.001+/-0.000 χ^2/NDF:16306283.0/54

All: 0.001+/-0.000 χ^2/NDF: 31426892.6/101



Right In: -0.006+/-0.010 χ^2/NDF: 19.7/23

Left Out: -0.021+/-0.007 χ^2/NDF:37.2/24

Right Out: -0.002+/-0.010 χ^2/NDF: 28.9/29

Left In: -0.004+/-0.007 χ^2/NDF:18.7/22

Left: -0.013+/-0.005 χ^2/NDF: 59.1/47

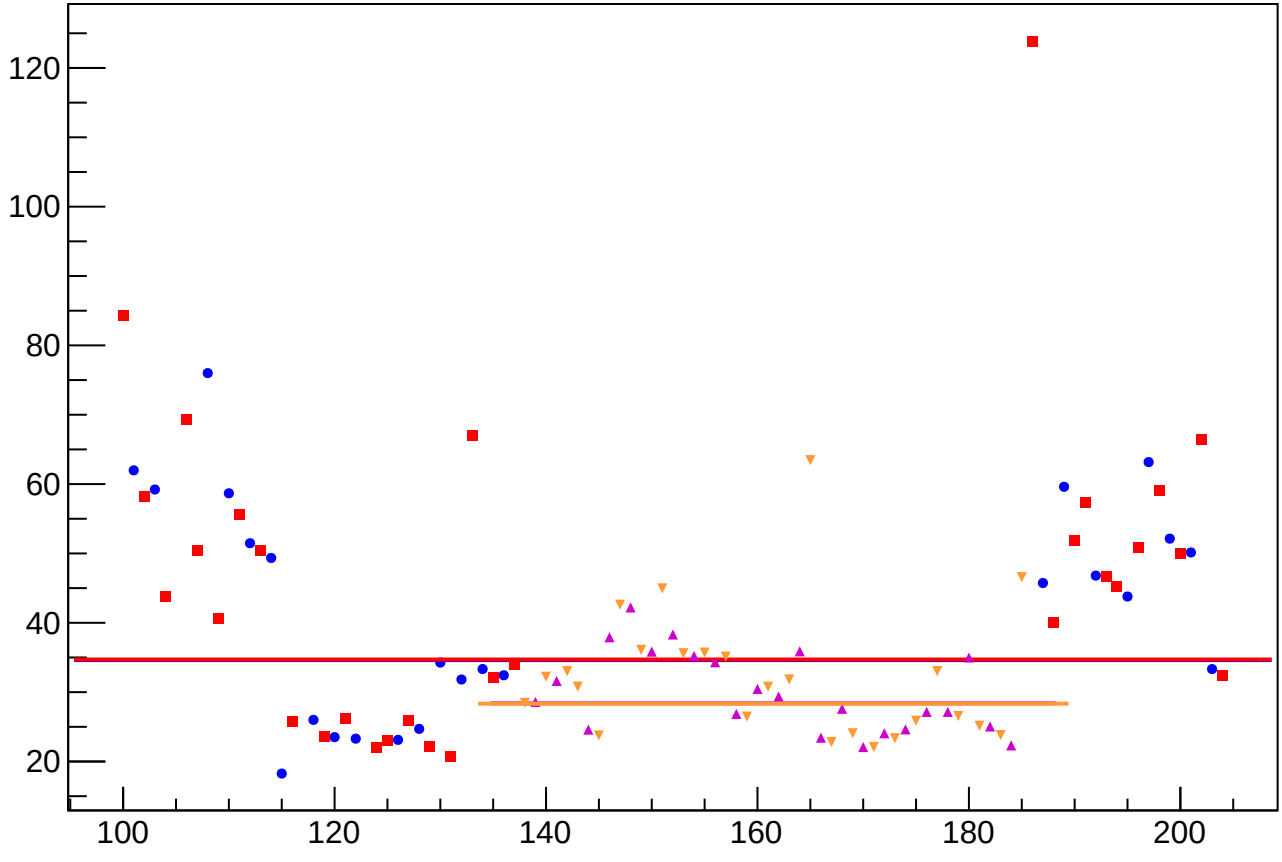
Right: -0.004+/-0.007 χ^2/NDF: 48.6/53

In: -0.005+/-0.006 χ^2/NDF:38.4/46

Out: -0.015+/-0.006 χ^2/NDF:68.8/54

All: -0.010+/-0.004 χ^2/NDF: 108.8/101

asym_sam_15_26_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.623+/-0.007 χ^2/NDF: 3029472.0/23

Left Out: 28.342+/-0.005 χ^2/NDF:1733585.3/24

Right Out: 34.706+/-0.007 χ^2/NDF: 3968648.8/29

Left In: 28.389+/-0.005 χ^2/NDF:1098852.1/22

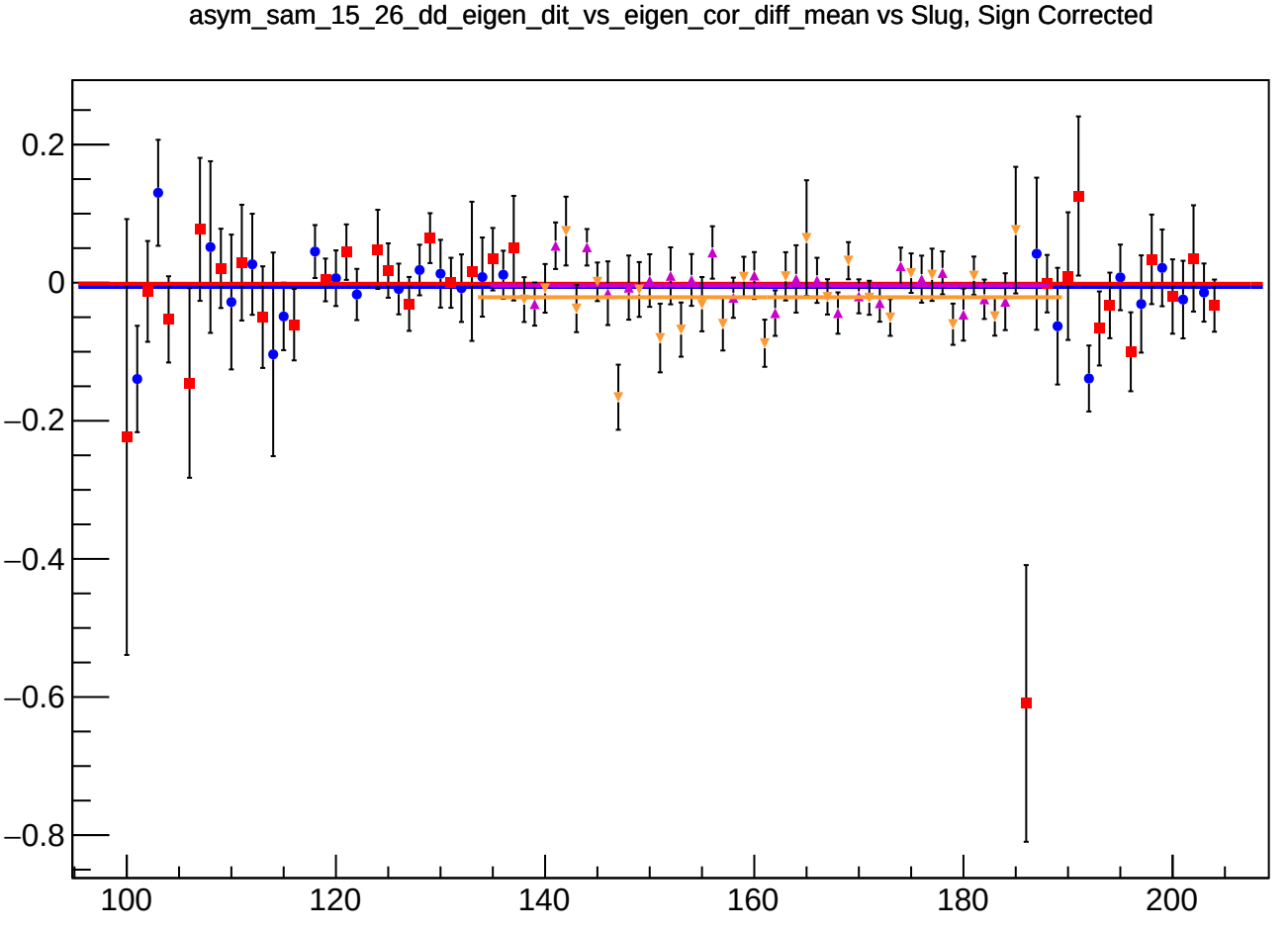
Left: 28.365+/-0.003 χ^2/NDF: 2832487.2/47

Right: 34.668+/-0.005 χ^2/NDF: 6998187.8/53

In: 30.264+/-0.004 χ^2/NDF:4625009.2/46

Out: 30.369+/-0.004 χ^2/NDF:6282340.3/54

All: 30.319+/-0.003 χ^2/NDF: 10907698.3/101



Right In: -0.006+/-0.010 χ^2/NDF: 19.7/23

Left Out: -0.021+/-0.007 χ^2/NDF:37.2/24

Right Out: -0.002+/-0.010 χ^2/NDF: 28.9/29

Left In: -0.004+/-0.007 χ^2/NDF:18.7/22

Left: -0.013+/-0.005 χ^2/NDF: 59.1/47

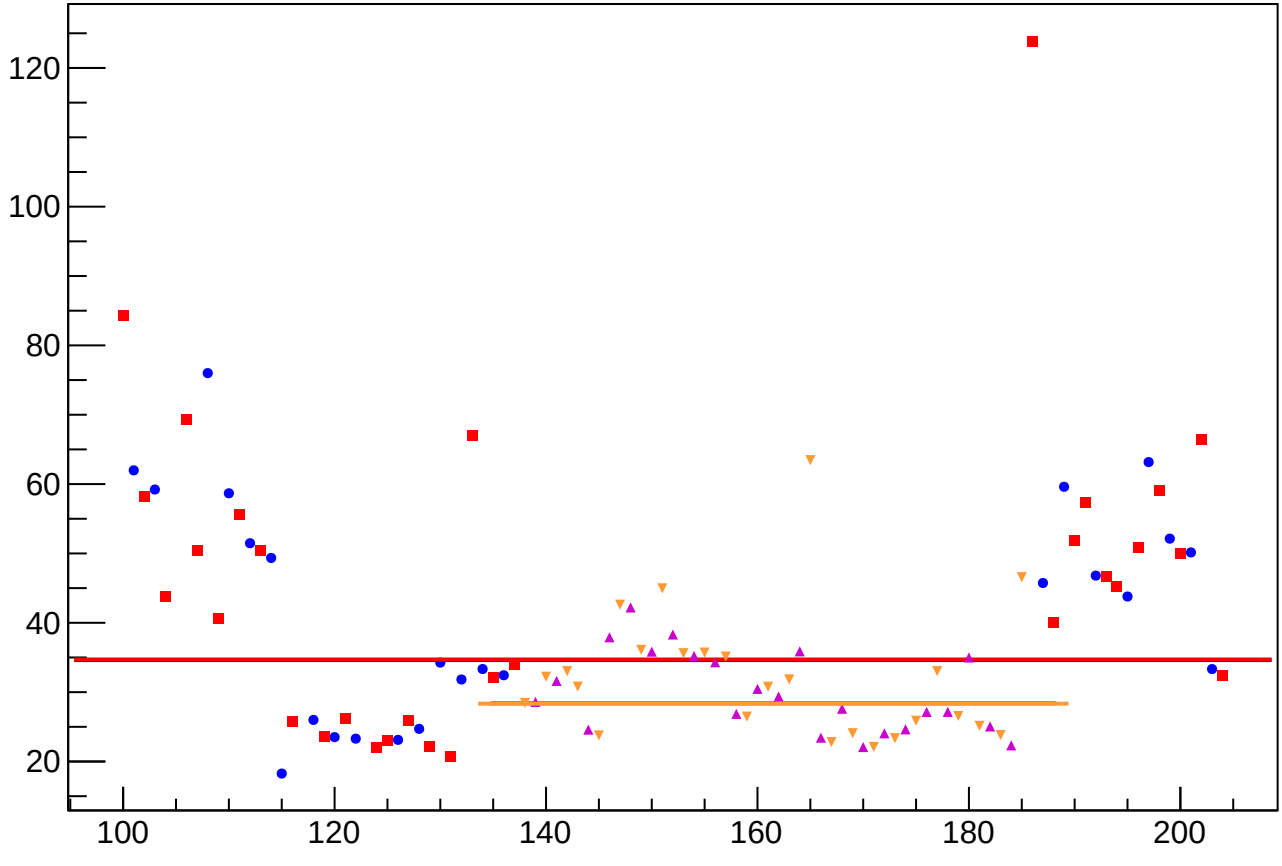
Right: -0.004+/-0.007 χ^2/NDF: 48.6/53

In: -0.005+/-0.006 χ^2/NDF:38.4/46

Out: -0.015+/-0.006 χ^2/NDF:68.8/54

All: -0.010+/-0.004 χ^2/NDF: 108.8/101

asym_sam_15_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.623+/-0.007 χ^2/NDF: 3029472.0/23

Left Out: 28.342+/-0.005 χ^2/NDF:1733585.3/24

Right Out: 34.706+/-0.007 χ^2/NDF: 3968648.8/29

Left In: 28.389+/-0.005 χ^2/NDF:1098852.1/22

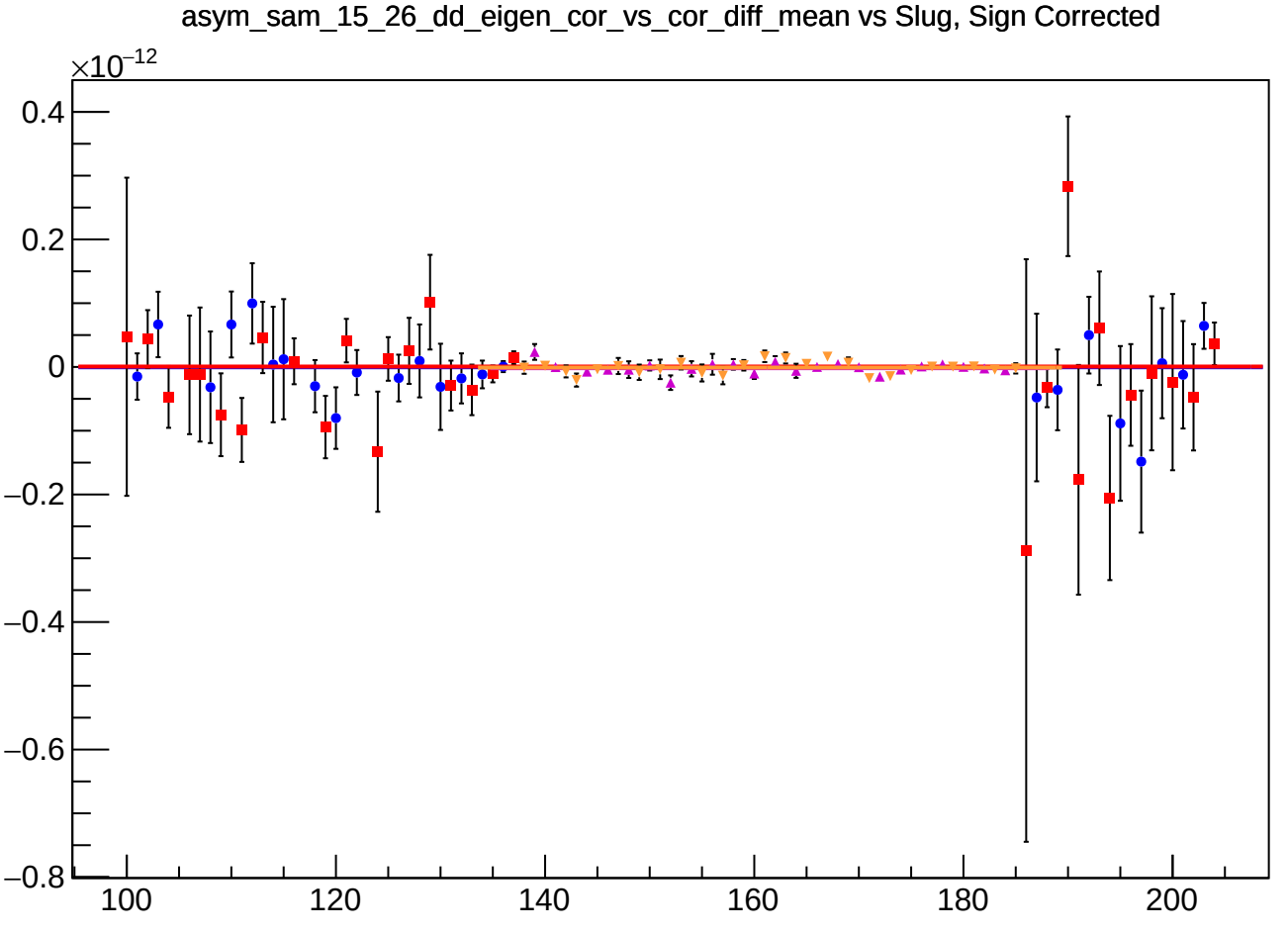
Left: 28.365+/-0.003 χ^2/NDF: 2832487.2/47

Right: 34.668+/-0.005 χ^2/NDF: 6998187.8/53

In: 30.264+/-0.004 χ^2/NDF:4625009.2/46

Out: 30.369+/-0.004 χ^2/NDF:6282340.3/54

All: 30.319+/-0.003 χ^2/NDF: 10907698.3/101



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/23

Left Out: -0.000+/-0.000 χ^2/NDF:34.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 35.4/29

Left In: -0.000+/-0.000 χ^2/NDF:19.5/22

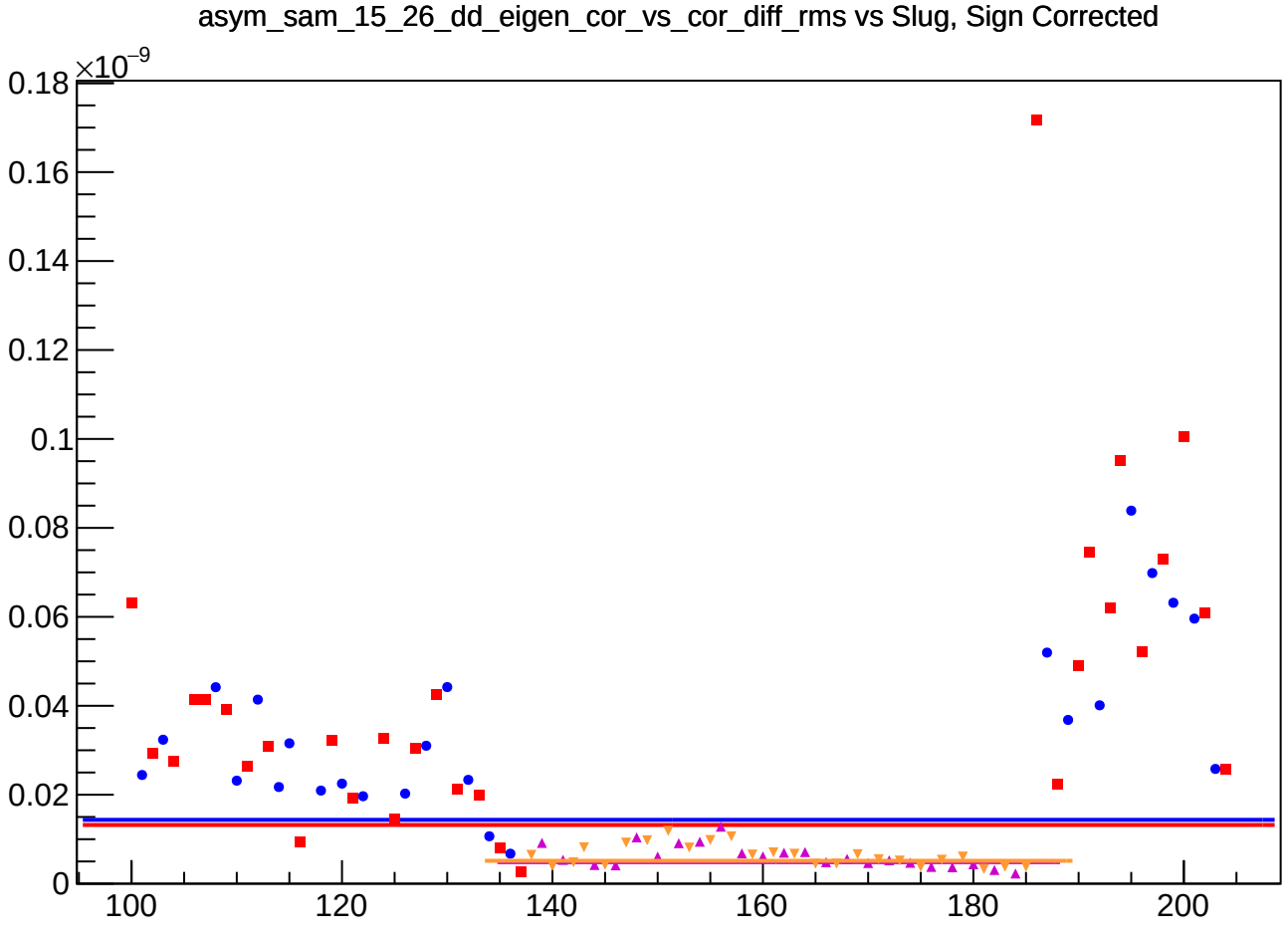
Left: -0.000+/-0.000 χ^2/NDF: 53.8/47

Right: 0.000+/-0.000 χ^2/NDF: 52.6/53

In: -0.000+/-0.000 χ^2/NDF:36.8/46

Out: -0.000+/-0.000 χ^2/NDF:69.5/54

All: -0.000+/-0.000 χ^2/NDF: 106.5/101



Right In: 0.000+/-0.000 χ^2/NDF: 6987522.8/23

Left Out: 0.000+/-0.000 χ^2/NDF:3035355.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10065074.0/29

Left In: 0.000+/-0.000 χ^2/NDF:3040812.9/22

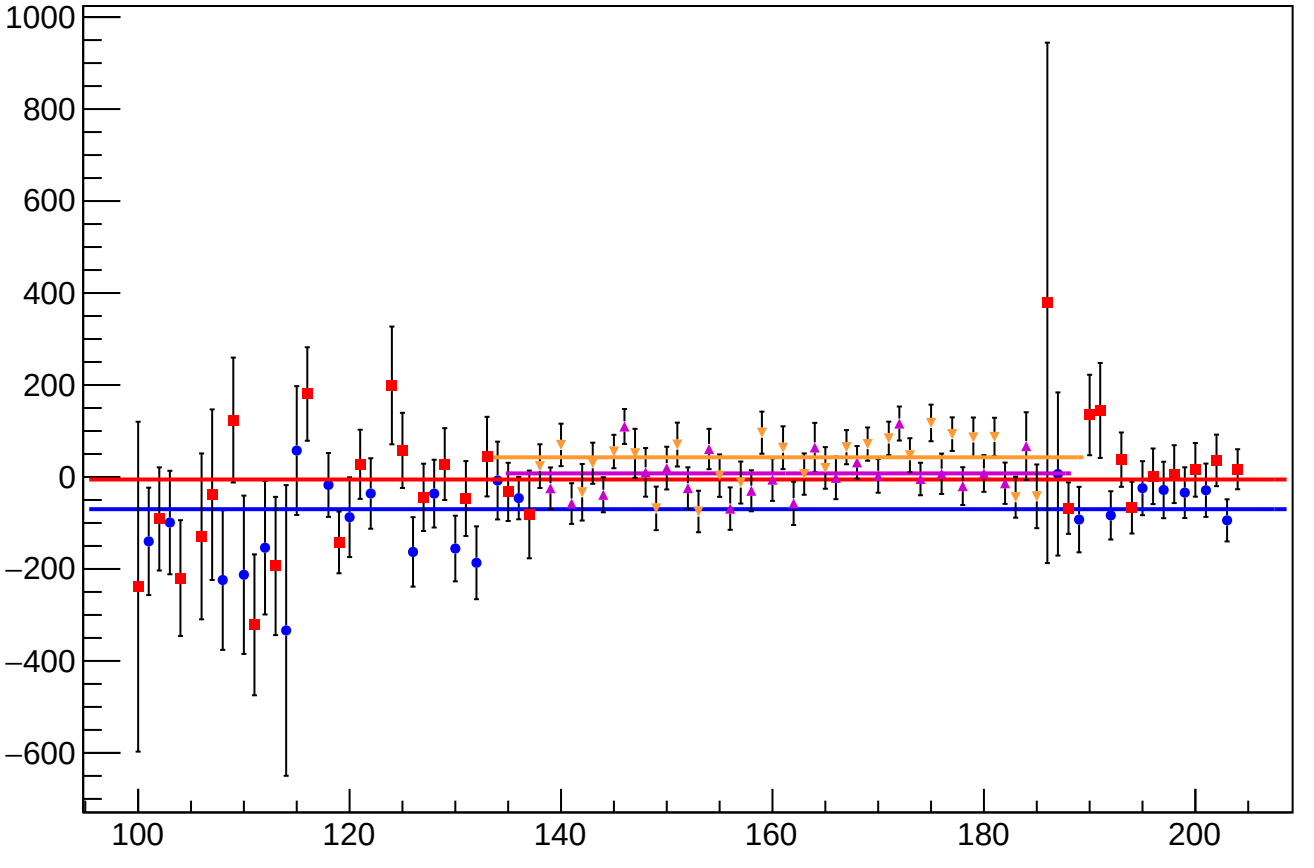
Left: 0.000+/-0.000 χ^2/NDF: 6121355.4/47

Right: 0.000+/-0.000 χ^2/NDF: 17084972.5/53

In: 0.000+/-0.000 χ^2/NDF:14055004.5/46

Out: 0.000+/-0.000 χ^2/NDF:16202334.5/54

All: 0.000+/-0.000 χ^2/NDF: 30296433.0/101



Right In: -70.041+/-15.030 χ^2/NDF: 13.6/23

Left Out: 42.765+/-8.698 χ^2/NDF:34.7/24

Right Out: -5.464+/-14.332 χ^2/NDF: 33.0/29

Left In: 7.783+/-8.974 χ^2/NDF:30.6/22

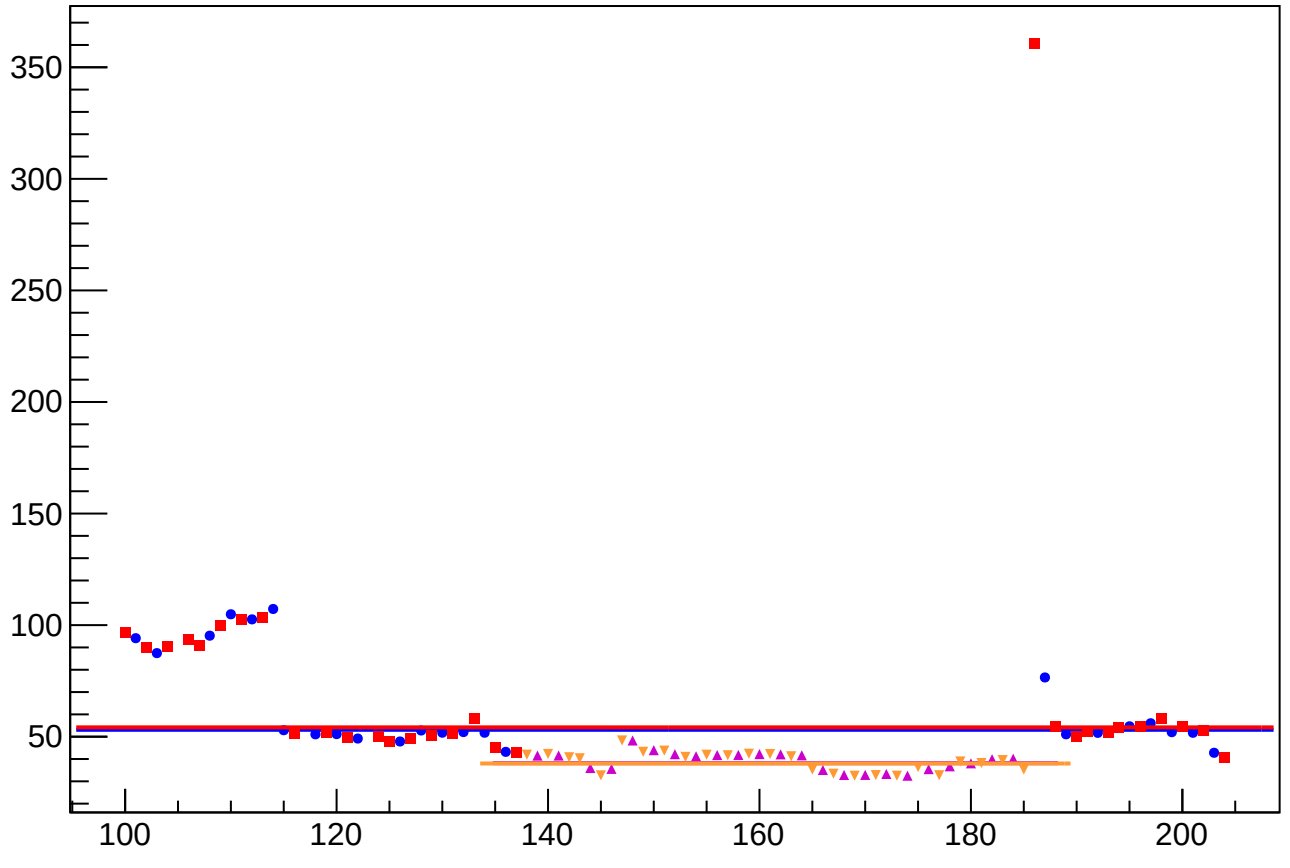
Left: 25.821+/-6.246 χ^2/NDF: 73.2/47

Right: -36.219+/-10.372 χ^2/NDF: 56.2/53

In: -12.671+/-7.705 χ^2/NDF:63.9/46

Out: 29.782+/-7.436 χ^2/NDF:76.0/54

All: 9.311+/-5.351 χ^2/NDF: 155.6/101



Right In: 53.094+/-0.011 χ^2/NDF: 1318668.4/23

Left Out: 37.990+/-0.006 χ^2/NDF:513605.5/24

Right Out: 54.179+/-0.010 χ^2/NDF: 2129808.7/29

Left In: 38.133+/-0.006 χ^2/NDF:428309.7/22

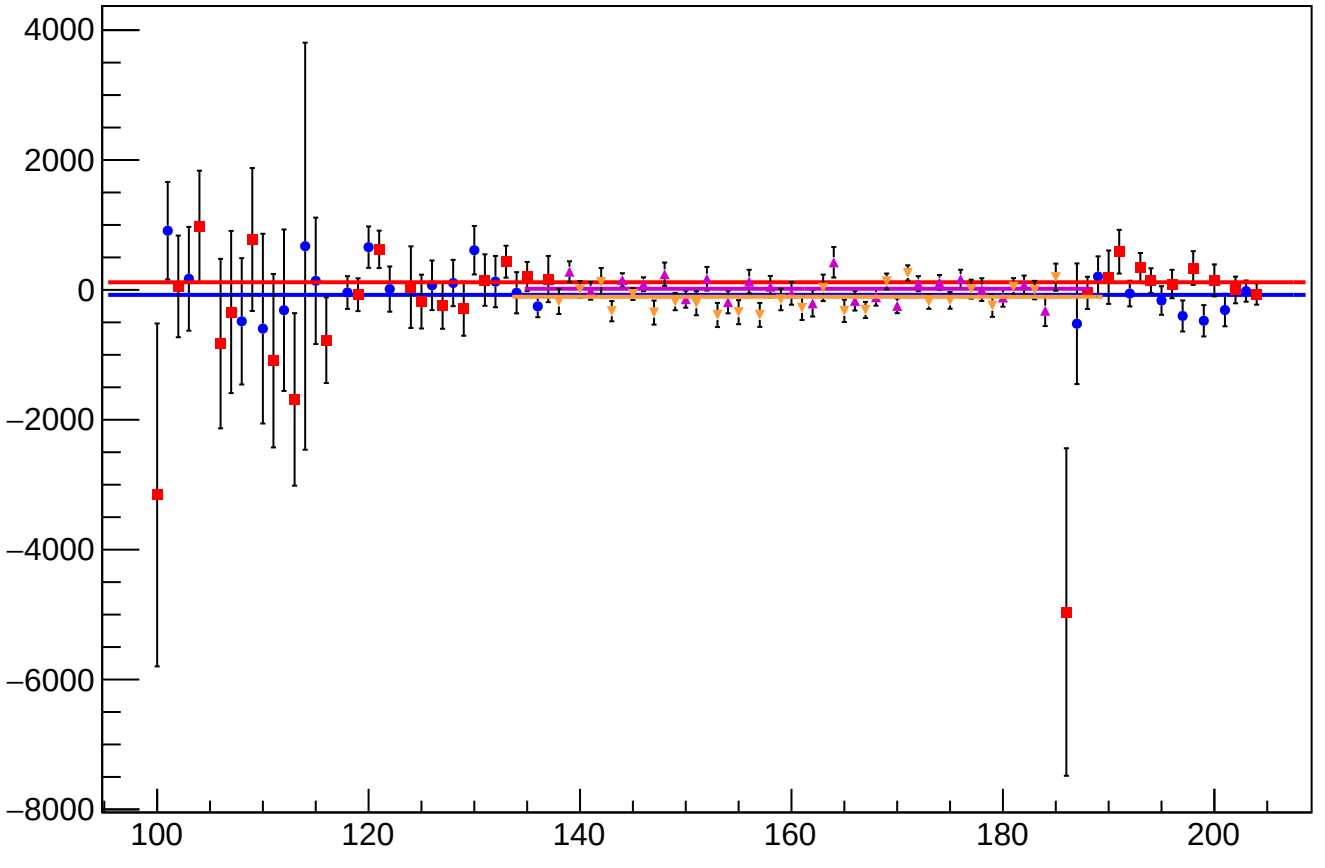
Left: 38.059+/-0.004 χ^2/NDF: 942176.9/47

Right: 53.662+/-0.007 χ^2/NDF: 3453926.9/53

In: 42.065+/-0.005 χ^2/NDF:3208016.3/46

Out: 42.348+/-0.005 χ^2/NDF:4508344.1/54

All: 42.211+/-0.004 χ^2/NDF: 7717752.3/101



Right In: -76.949+/-62.029 χ^2/NDF: 19.7/23

Left Out: -106.506+/-29.563 χ^2/NDF:37.6/24

Right Out: 117.296+/-57.717 χ^2/NDF: 25.8/29

Left In: 17.517+/-30.185 χ^2/NDF:28.2/22

Left: -45.786+/-21.121 χ^2/NDF: 74.5/47

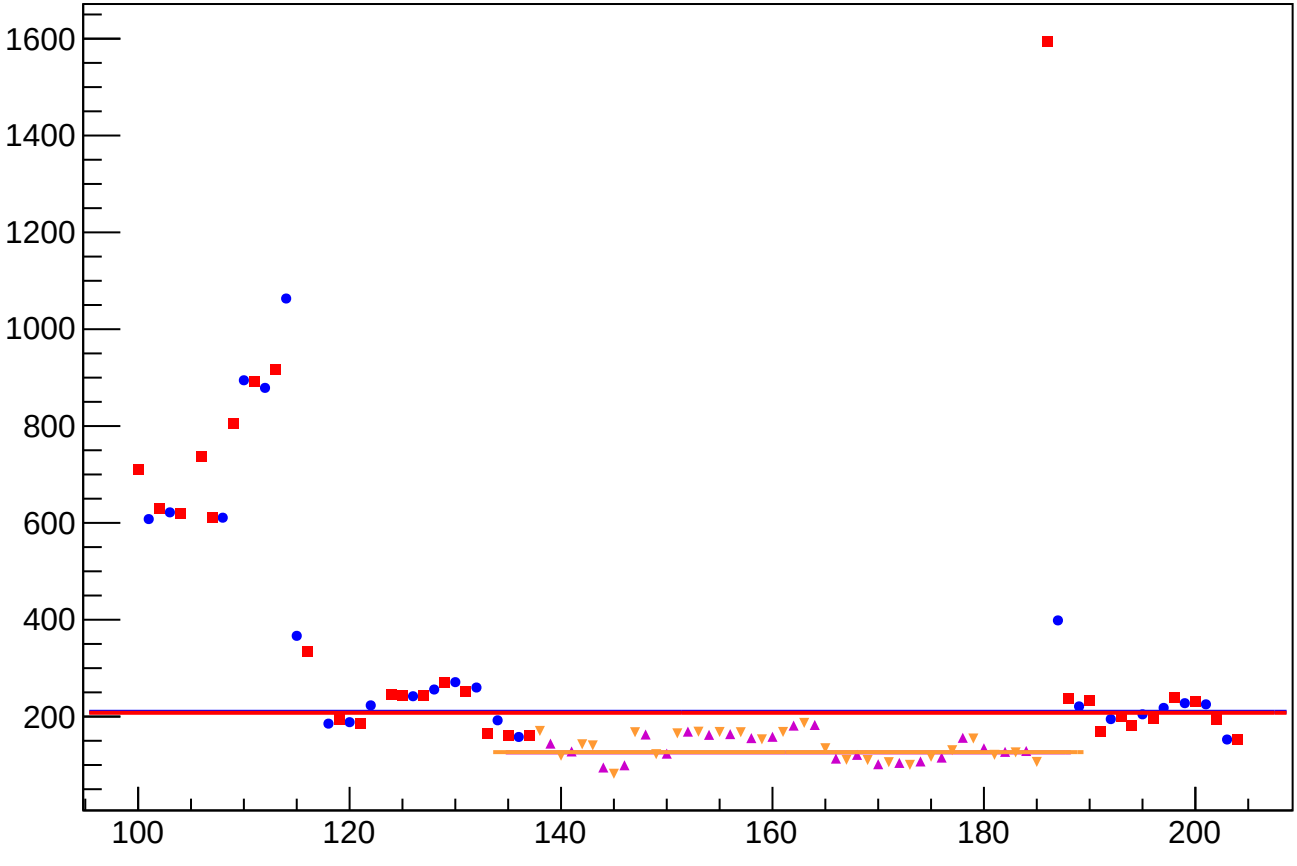
Right: 27.160+/-42.254 χ^2/NDF: 50.7/53

In: -0.570+/-27.142 χ^2/NDF:49.8/46

Out: -59.992+/-26.312 χ^2/NDF:75.3/54

All: -31.204+/-18.892 χ^2/NDF: 127.6/101

asym_sam_37_26_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 209.898+/-0.044 χ^2/NDF: 3377780.2/23

Left Out: 126.561+/-0.021 χ^2/NDF:1758158.3/24

Right Out: 207.827+/-0.041 χ^2/NDF: 4717219.7/29

Left In: 126.013+/-0.021 χ^2/NDF:1410655.7/22

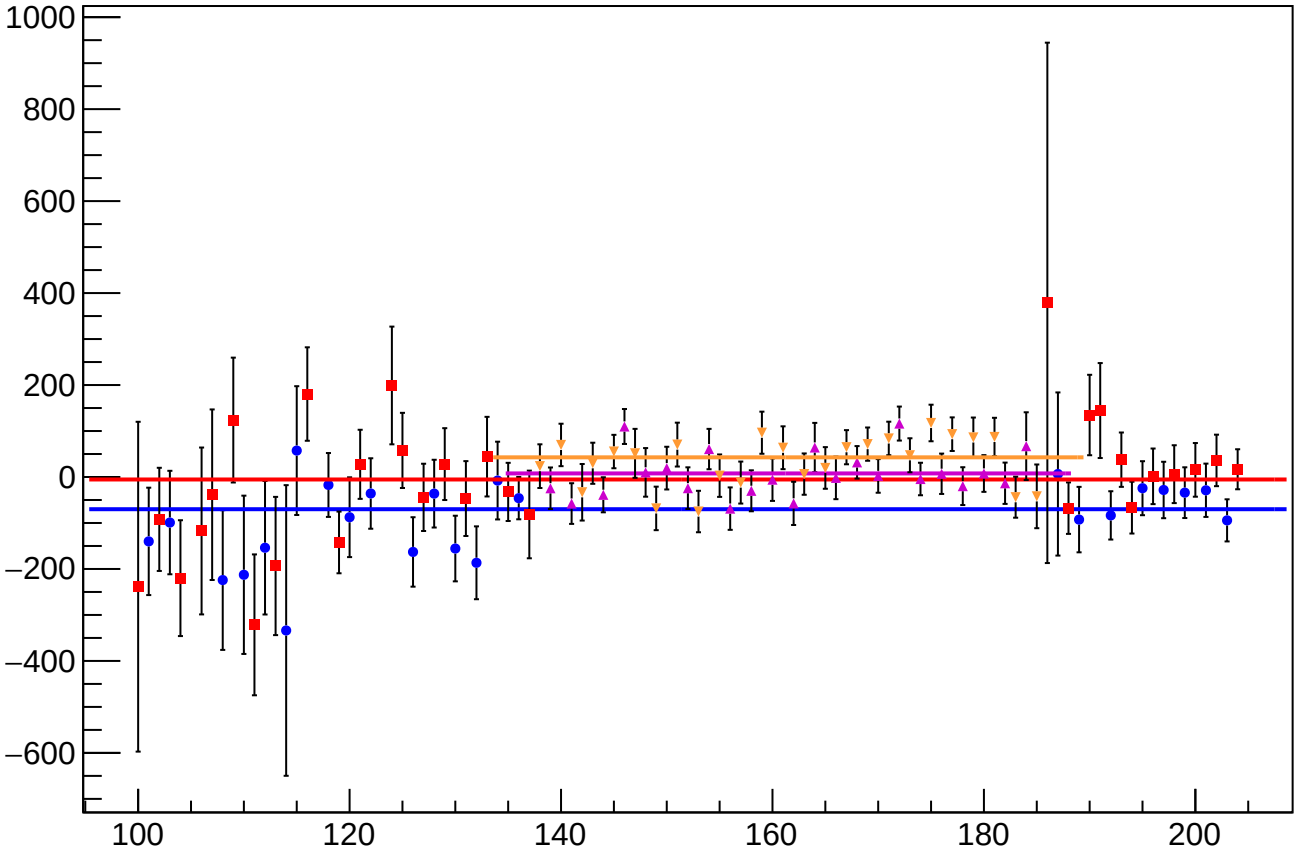
Left: 126.293+/-0.015 χ^2/NDF: 3169149.7/47

Right: 208.788+/-0.030 χ^2/NDF: 8096195.4/53

In: 142.075+/-0.019 χ^2/NDF:7745776.1/46

Out: 143.451+/-0.019 χ^2/NDF:9616311.3/54

All: 142.784+/-0.013 χ^2/NDF: 17364737.3/10



Right In: -70.039+/-15.030 χ^2/NDF: 13.6/23

Left Out: 42.767+/-8.698 χ^2/NDF:34.7/24

Right Out: -5.397+/-14.332 χ^2/NDF: 32.9/29

Left In: 7.785+/-8.974 χ^2/NDF:30.6/22

Left: 25.822+/-6.246 χ^2/NDF: 73.2/47

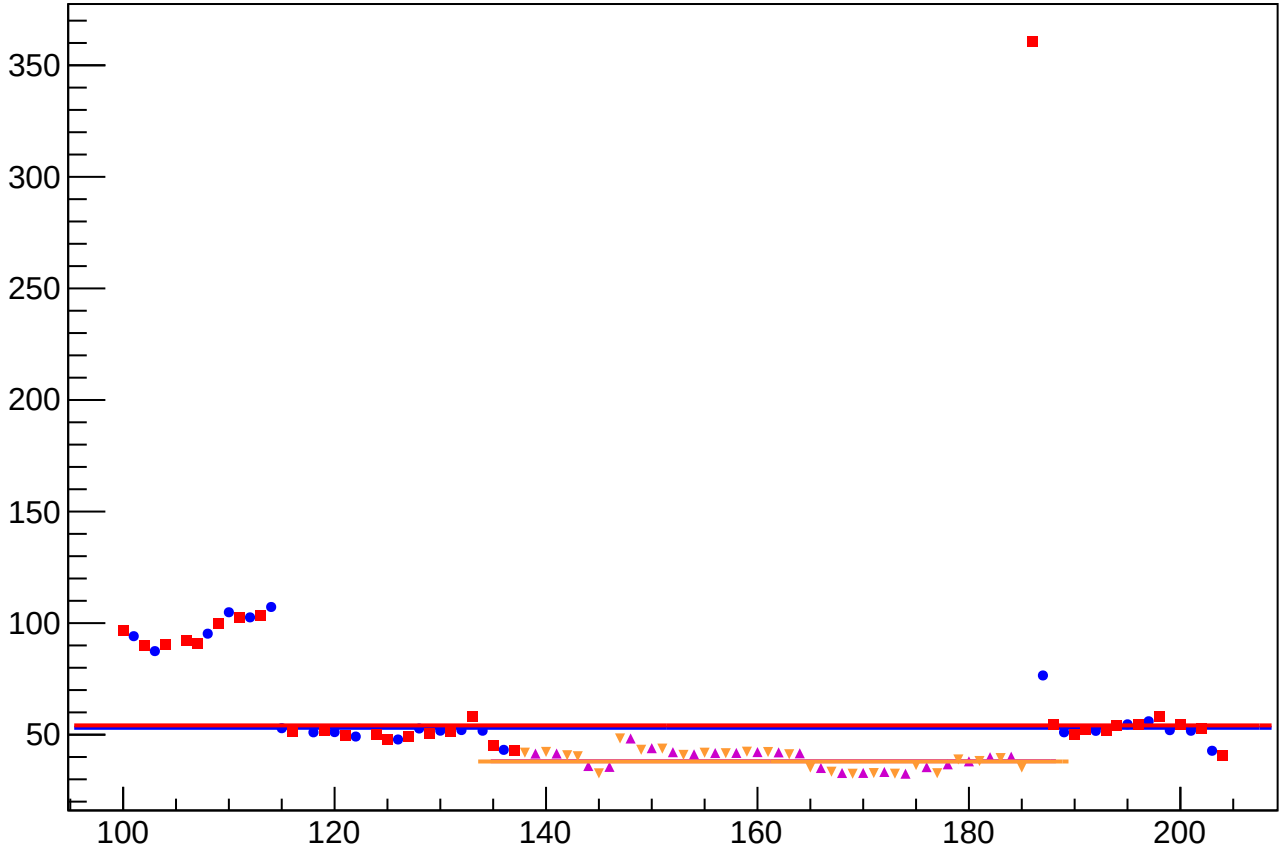
Right: -36.183+/-10.372 χ^2/NDF: 56.1/53

In: -12.670+/-7.705 χ^2/NDF:63.9/46

Out: 29.803+/-7.436 χ^2/NDF:75.9/54

All: 9.322+/-5.351 χ^2/NDF: 155.5/101

cor_asym_sam_37_26_dd_rms vs Slug, Sign Corrected



Right In: 53.094+/-0.011 χ^2/NDF: 1318668.6/23

Left Out: 37.990+/-0.006 χ^2/NDF:513605.5/24

Right Out: 54.166+/-0.010 χ^2/NDF: 2121604.1/29

Left In: 38.133+/-0.006 χ^2/NDF:428309.7/22

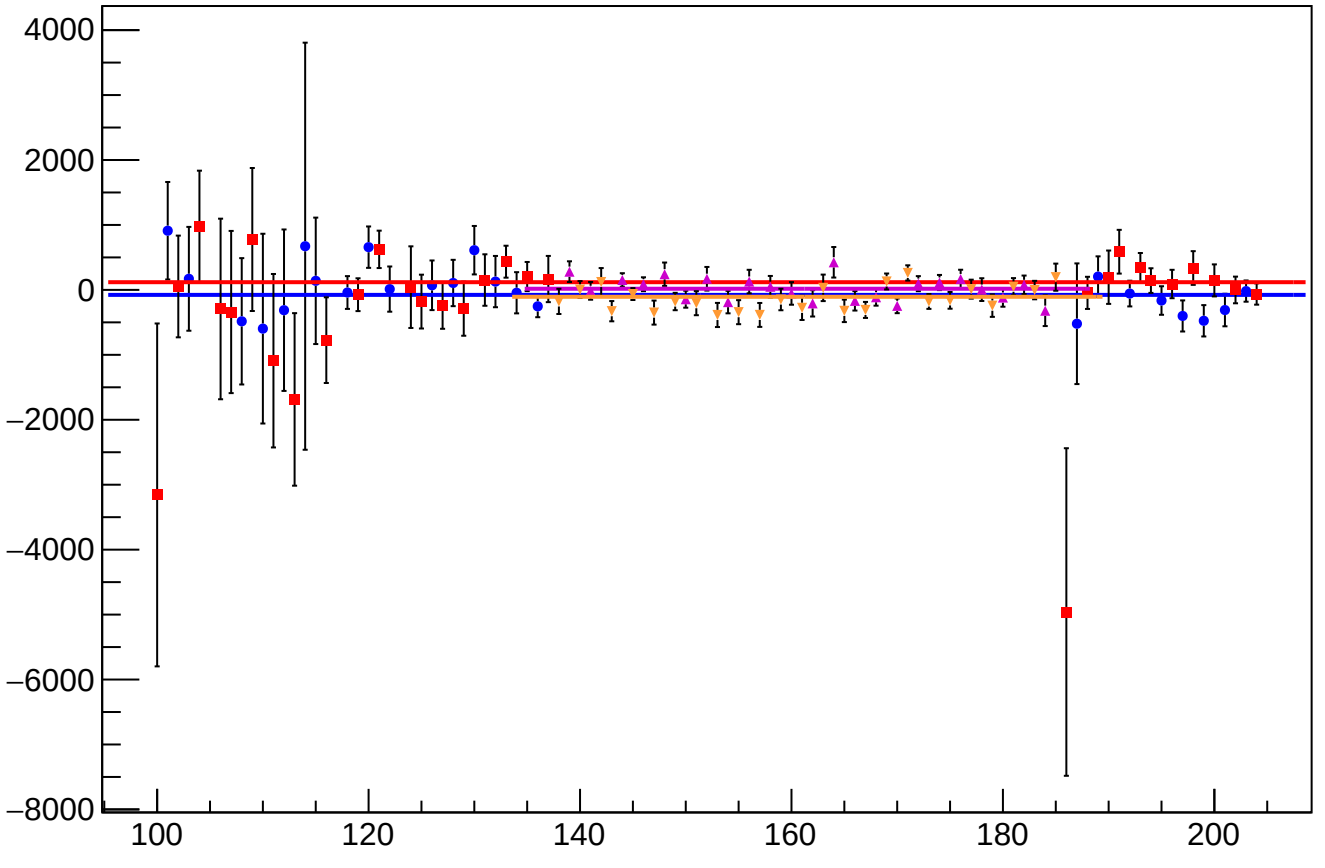
Left: 38.059+/-0.004 χ^2/NDF: 942176.9/47

Right: 53.656+/-0.007 χ^2/NDF: 3445598.0/53

In: 42.065+/-0.005 χ^2/NDF:3208016.4/46

Out: 42.344+/-0.005 χ^2/NDF:4497162.0/54

All: 42.210+/-0.004 χ^2/NDF: 7706535.0/101



Right In: -76.946+/-62.029 χ^2/NDF: 19.6/23

Left Out: -106.505+/-29.563 χ^2/NDF:37.6/24

Right Out: 118.421+/-57.724 χ^2/NDF: 25.3/29

Left In: 17.517+/-30.185 χ^2/NDF:28.2/22

Left: -45.785+/-21.121 χ^2/NDF: 74.5/47

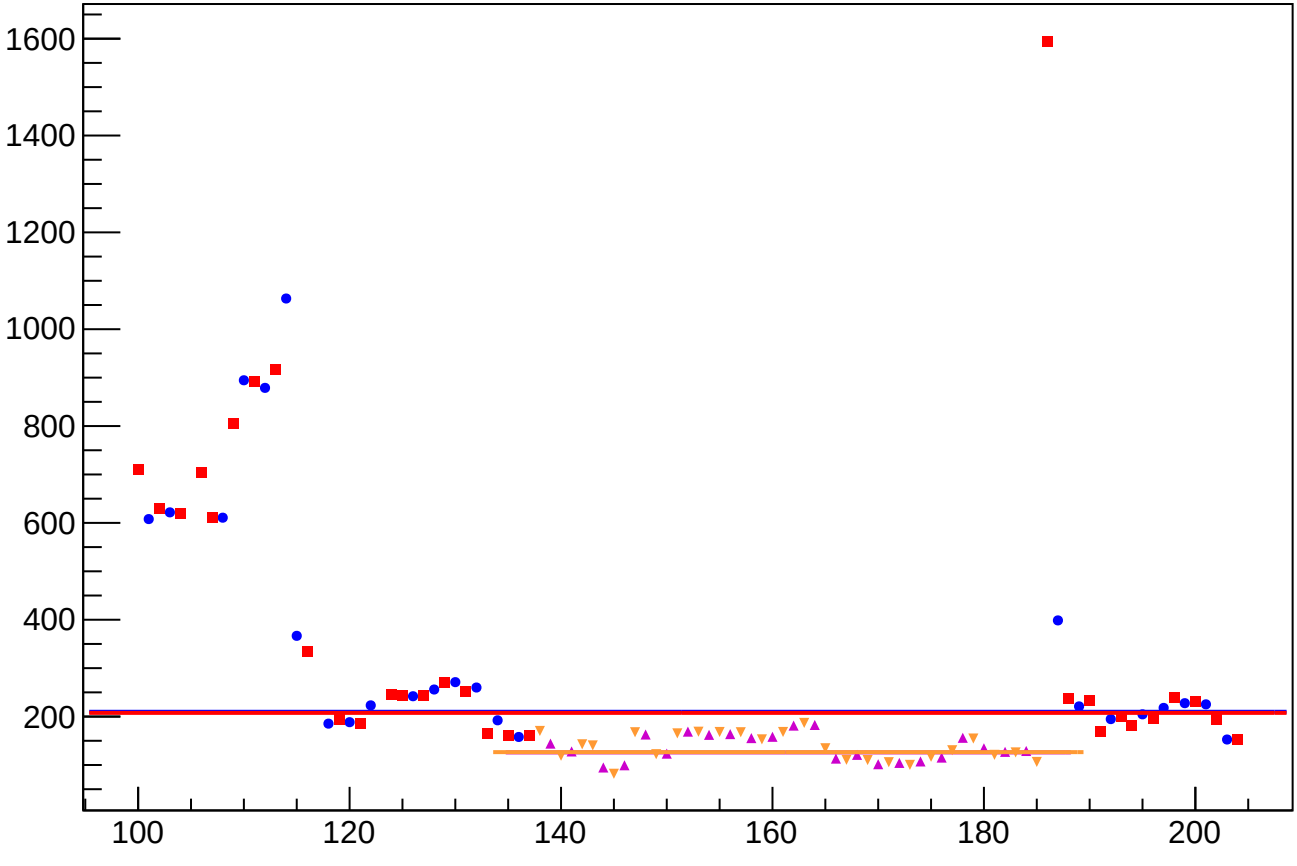
Right: 27.752+/-42.257 χ^2/NDF: 50.3/53

In: -0.569+/-27.142 χ^2/NDF:49.8/46

Out: -59.767+/-26.313 χ^2/NDF:75.0/54

All: -31.086+/-18.892 χ^2/NDF: 127.2/101

asym_sam_37_26_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 209.898+/-0.044 χ^2/NDF: 3377790.3/23

Left Out: 126.561+/-0.021 χ^2/NDF:1758151.9/24

Right Out: 207.648+/-0.041 χ^2/NDF: 4644412.7/29

Left In: 126.013+/-0.021 χ^2/NDF:1410664.0/22

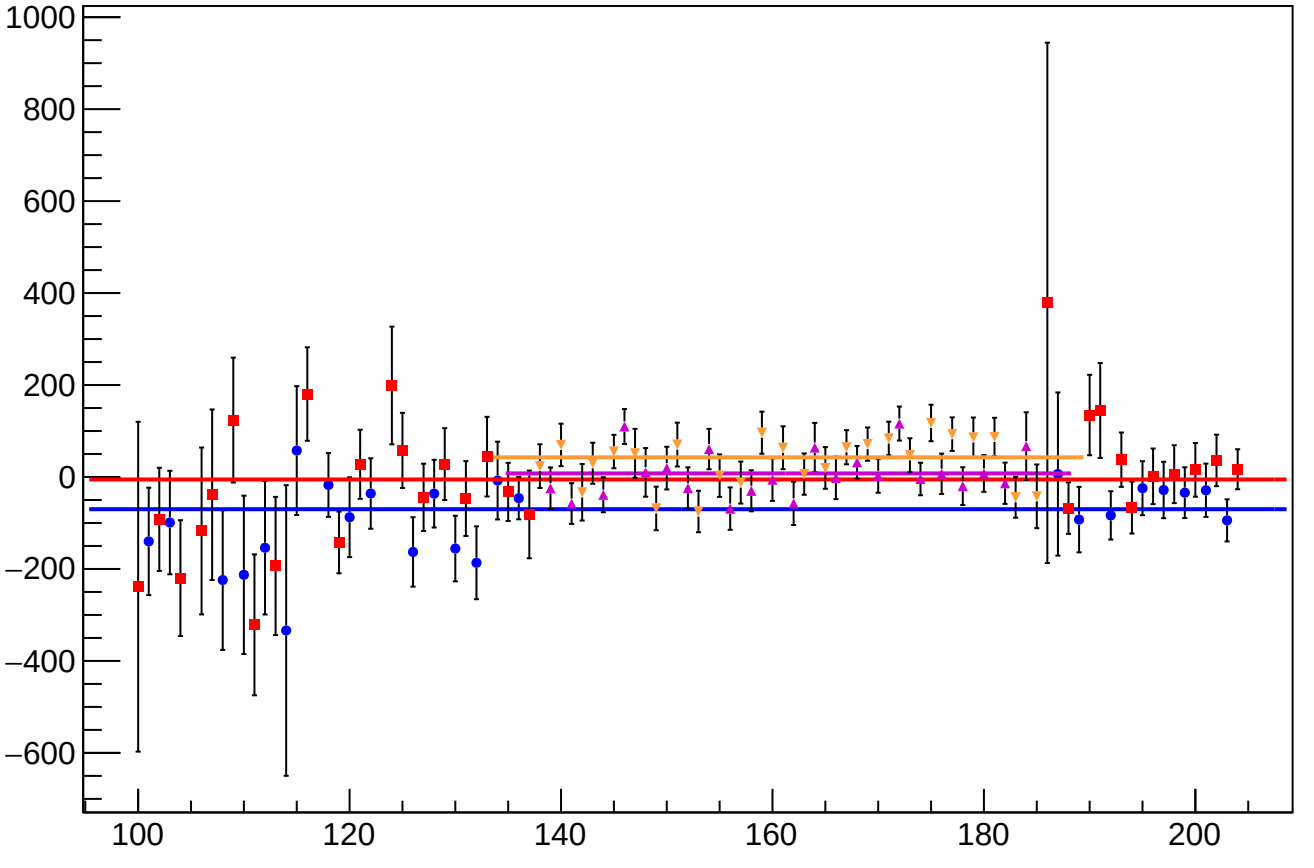
Left: 126.293+/-0.015 χ^2/NDF: 3169151.8/47

Right: 208.692+/-0.030 χ^2/NDF: 8023613.4/53

In: 142.075+/-0.019 χ^2/NDF:7745795.6/46

Out: 143.410+/-0.019 χ^2/NDF:9529109.4/54

All: 142.763+/-0.013 χ^2/NDF: 17277402.4/10



Right In: -70.039+/-15.030 χ^2/NDF: 13.6/23

Left Out: 42.767+/-8.698 χ^2/NDF:34.7/24

Right Out: -5.397+/-14.332 χ^2/NDF: 32.9/29

Left In: 7.785+/-8.974 χ^2/NDF:30.6/22

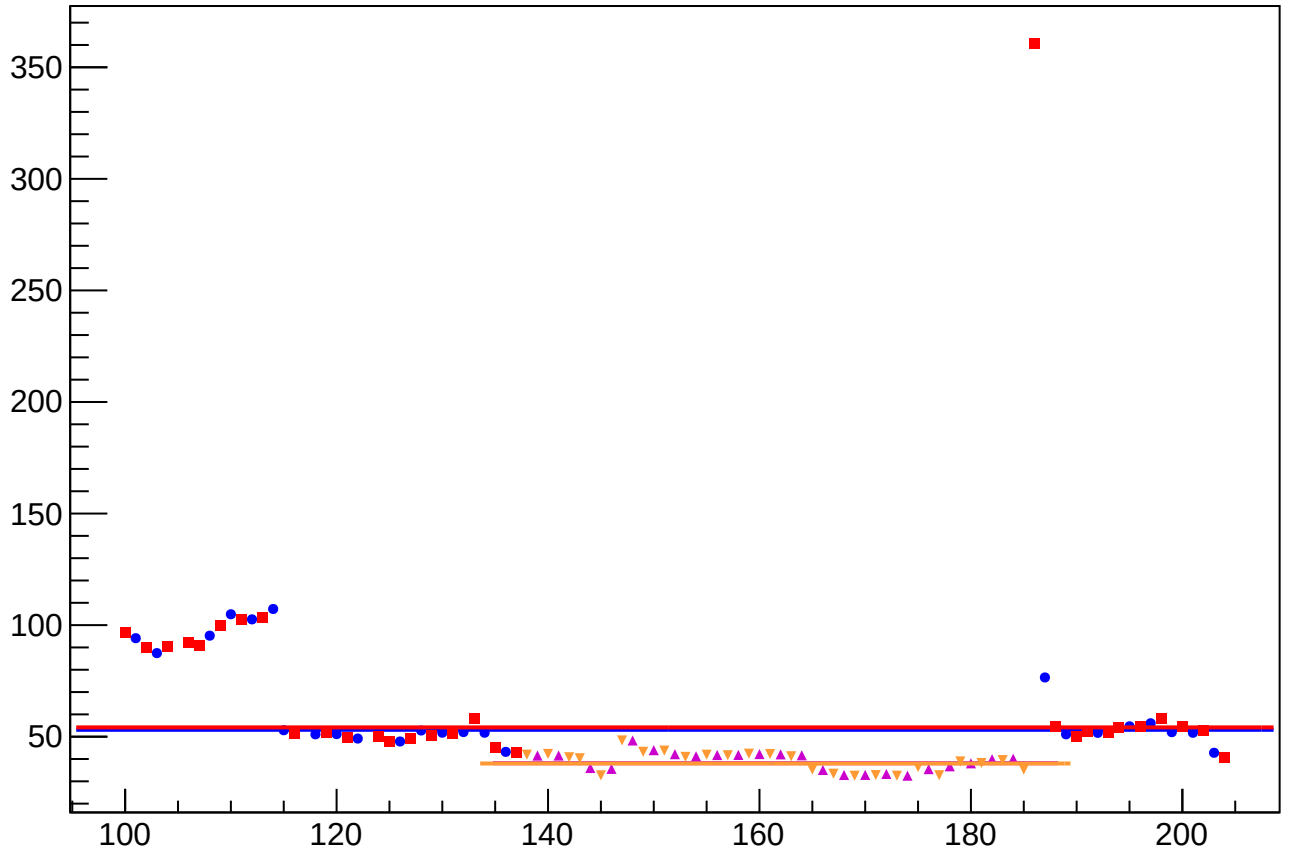
Left: 25.822+/-6.246 χ^2/NDF: 73.2/47

Right: -36.183+/-10.372 χ^2/NDF: 56.1/53

In: -12.670+/-7.705 χ^2/NDF:63.9/46

Out: 29.803+/-7.436 χ^2/NDF:75.9/54

All: 9.322+/-5.351 χ^2/NDF: 155.5/101



Right In: 53.094+/-0.011 χ^2/NDF: 1318668.6/23

Left Out: 37.990+/-0.006 χ^2/NDF:513605.5/24

Right Out: 54.166+/-0.010 χ^2/NDF: 2121604.1/29

Left In: 38.133+/-0.006 χ^2/NDF:428309.7/22

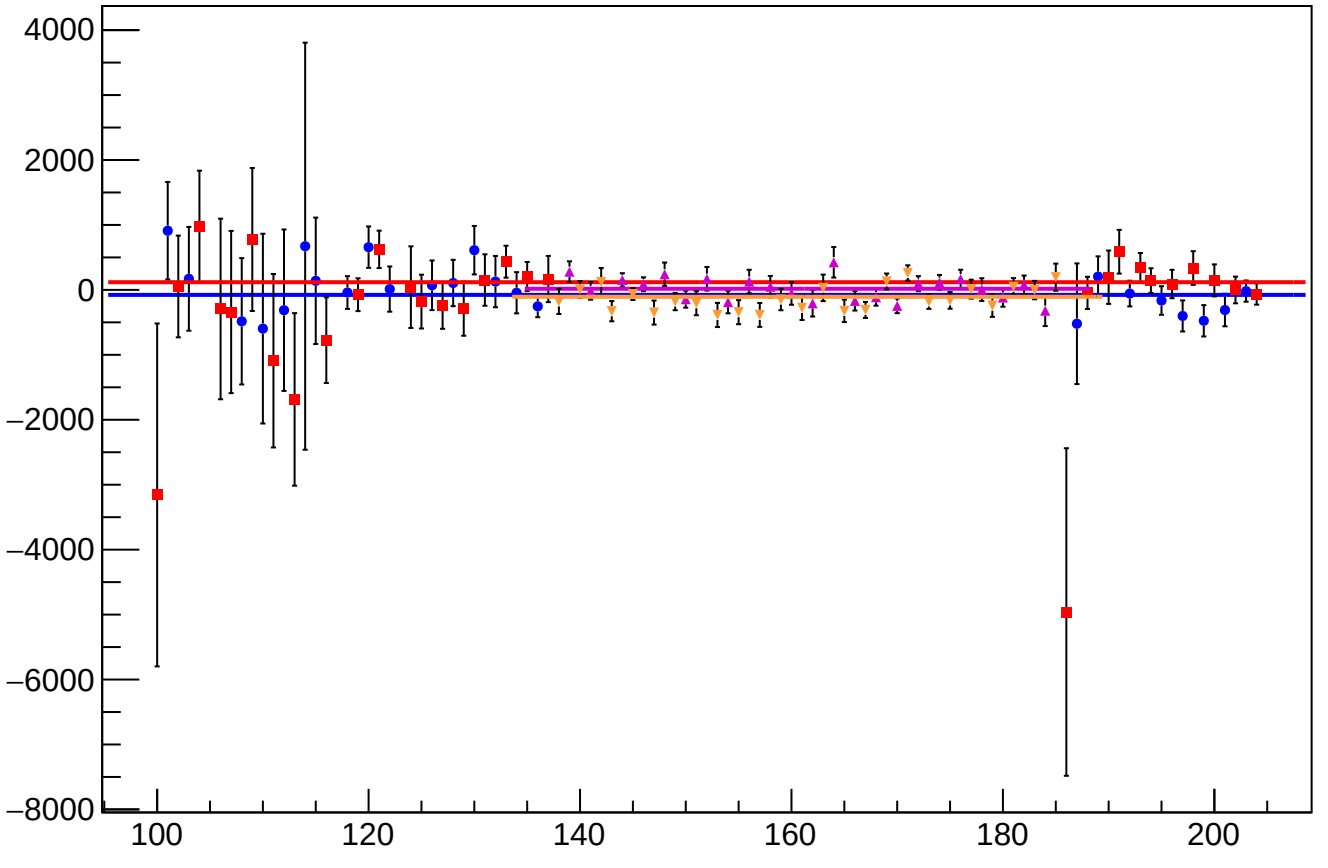
Left: 38.059+/-0.004 χ^2/NDF: 942176.9/47

Right: 53.656+/-0.007 χ^2/NDF: 3445598.0/53

In: 42.065+/-0.005 χ^2/NDF:3208016.4/46

Out: 42.344+/-0.005 χ^2/NDF:4497162.0/54

All: 42.210+/-0.004 χ^2/NDF: 7706535.0/101



Right In: -76.946+/-62.029 χ^2/NDF: 19.6/23

Left Out: -106.505+/-29.563 χ^2/NDF:37.6/24

Right Out: 118.421+/-57.724 χ^2/NDF: 25.3/29

Left In: 17.517+/-30.185 χ^2/NDF:28.2/22

Left: -45.785+/-21.121 χ^2/NDF: 74.5/47

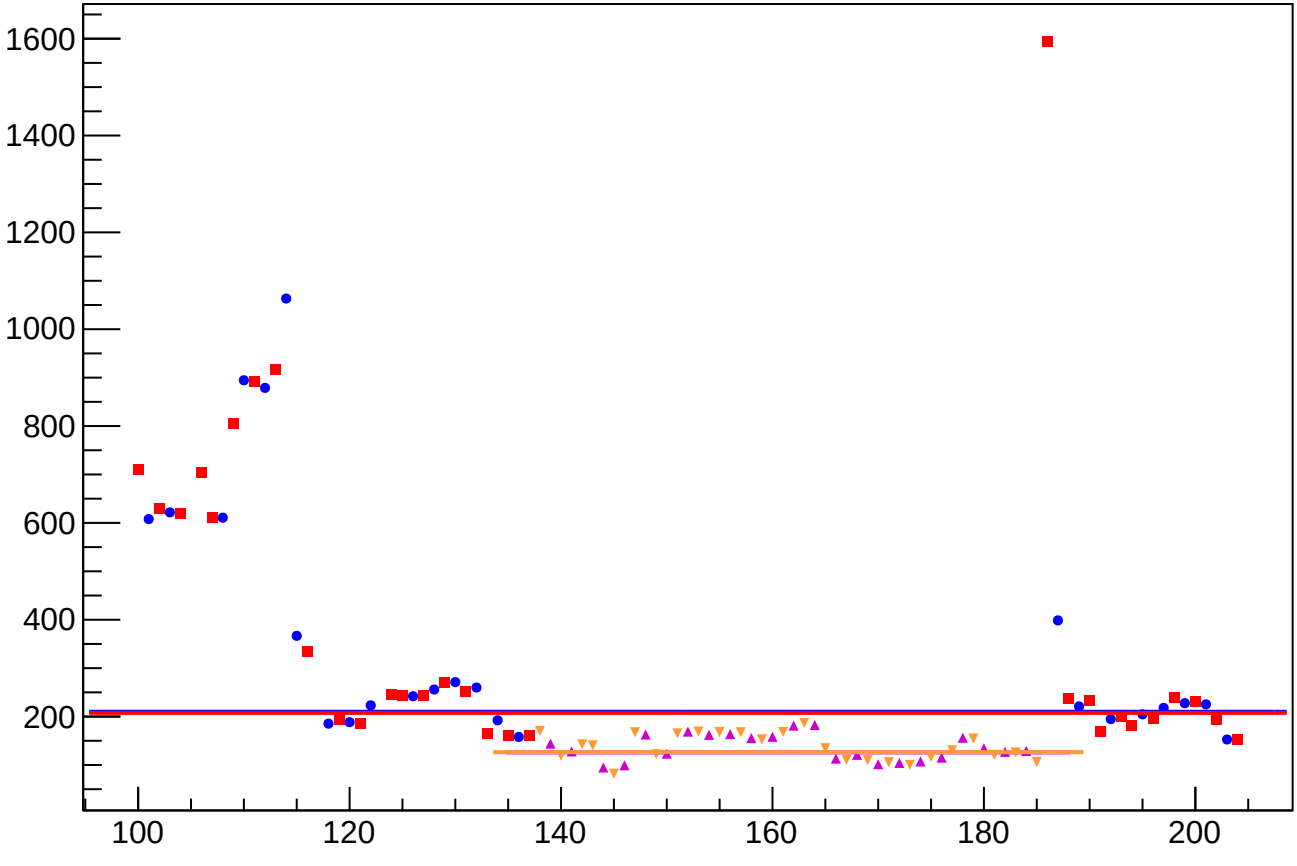
Right: 27.752+/-42.257 χ^2/NDF: 50.3/53

In: -0.569+/-27.142 χ^2/NDF:49.8/46

Out: -59.767+/-26.313 χ^2/NDF:75.0/54

All: -31.086+/-18.892 χ^2/NDF: 127.2/101

asym_sam_37_26_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 209.898+/-0.044 χ^2/NDF: 3377790.3/23

Left Out: 126.561+/-0.021 χ^2/NDF:1758151.9/24

Right Out: 207.648+/-0.041 χ^2/NDF: 4644412.7/29

Left In: 126.013+/-0.021 χ^2/NDF:1410664.0/22

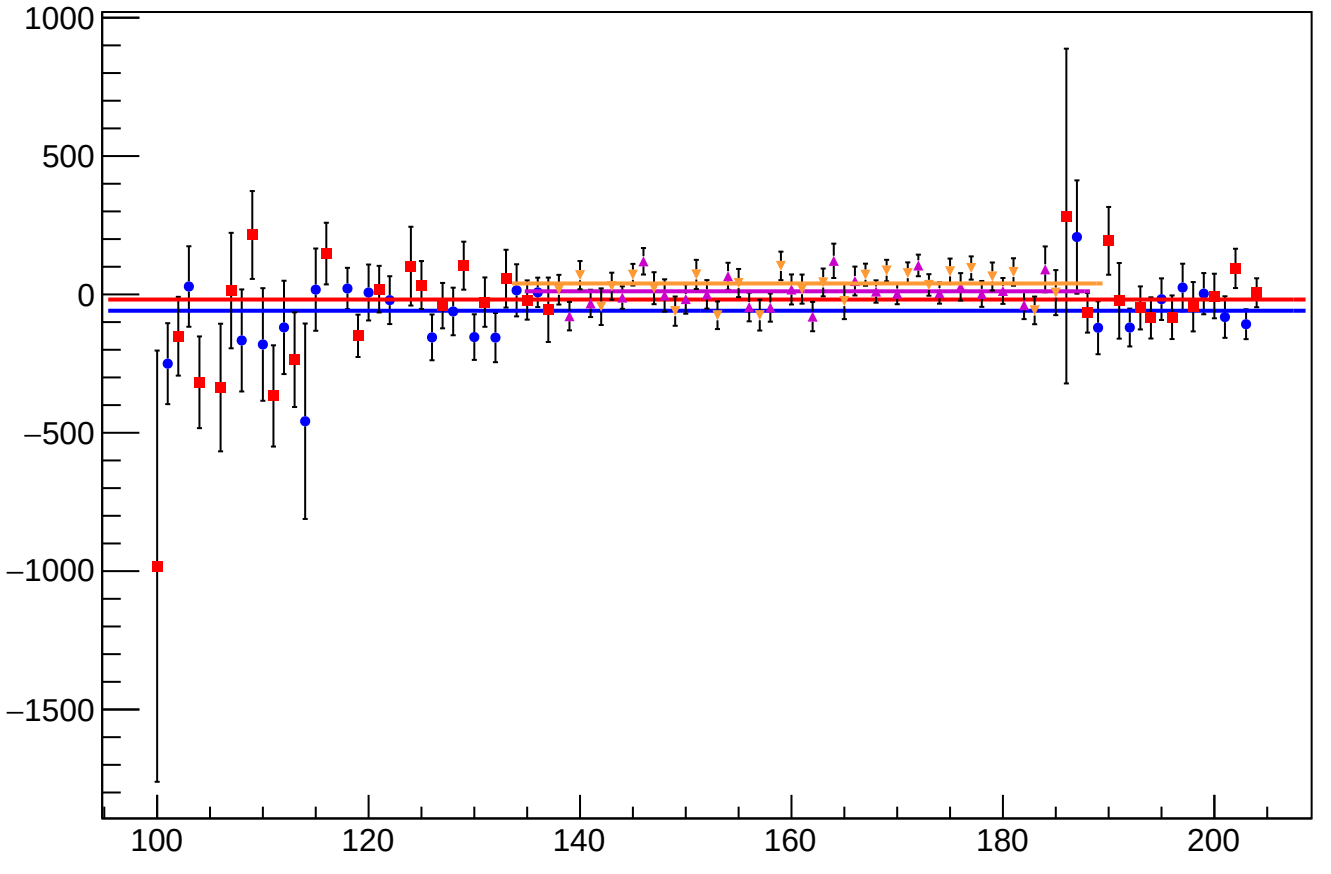
Left: 126.293+/-0.015 χ^2/NDF: 3169151.8/47

Right: 208.692+/-0.030 χ^2/NDF: 8023613.4/53

In: 142.075+/-0.019 χ^2/NDF:7745795.6/46

Out: 143.410+/-0.019 χ^2/NDF:9529109.4/54

All: 142.763+/-0.013 χ^2/NDF: 17277402.4/10



Right In: -58.978+/-18.174 χ^2/NDF: 18.0/23

Left Out: 39.563+/-9.745 χ^2/NDF:29.6/24

Right Out: -18.441+/-17.548 χ^2/NDF: 32.3/29

Left In: 11.306+/-10.077 χ^2/NDF:27.9/22

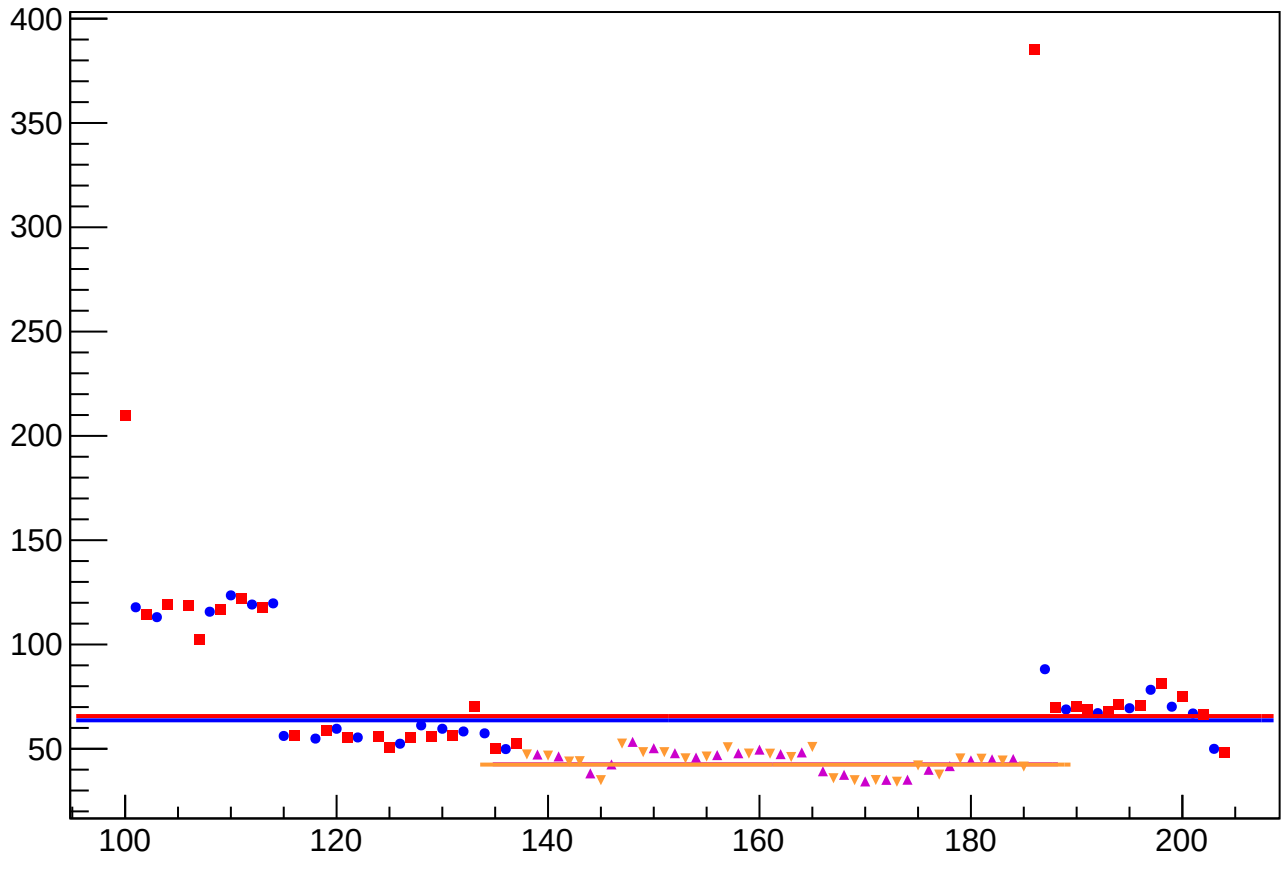
Left: 25.908+/-7.005 χ^2/NDF: 61.6/47

Right: -37.999+/-12.624 χ^2/NDF: 52.8/53

In: -5.221+/-8.813 χ^2/NDF:57.4/46

Out: 25.891+/-8.520 χ^2/NDF:70.2/54

All: 10.861+/-6.125 χ^2/NDF: 134.0/101



Right In: 63.652+/-0.013 χ^2/NDF: 1609594.6/23

Left Out: 42.426+/-0.007 χ^2/NDF:698766.0/24

Right Out: 65.698+/-0.012 χ^2/NDF: 2492393.4/29

Left In: 42.579+/-0.007 χ^2/NDF:589897.0/22

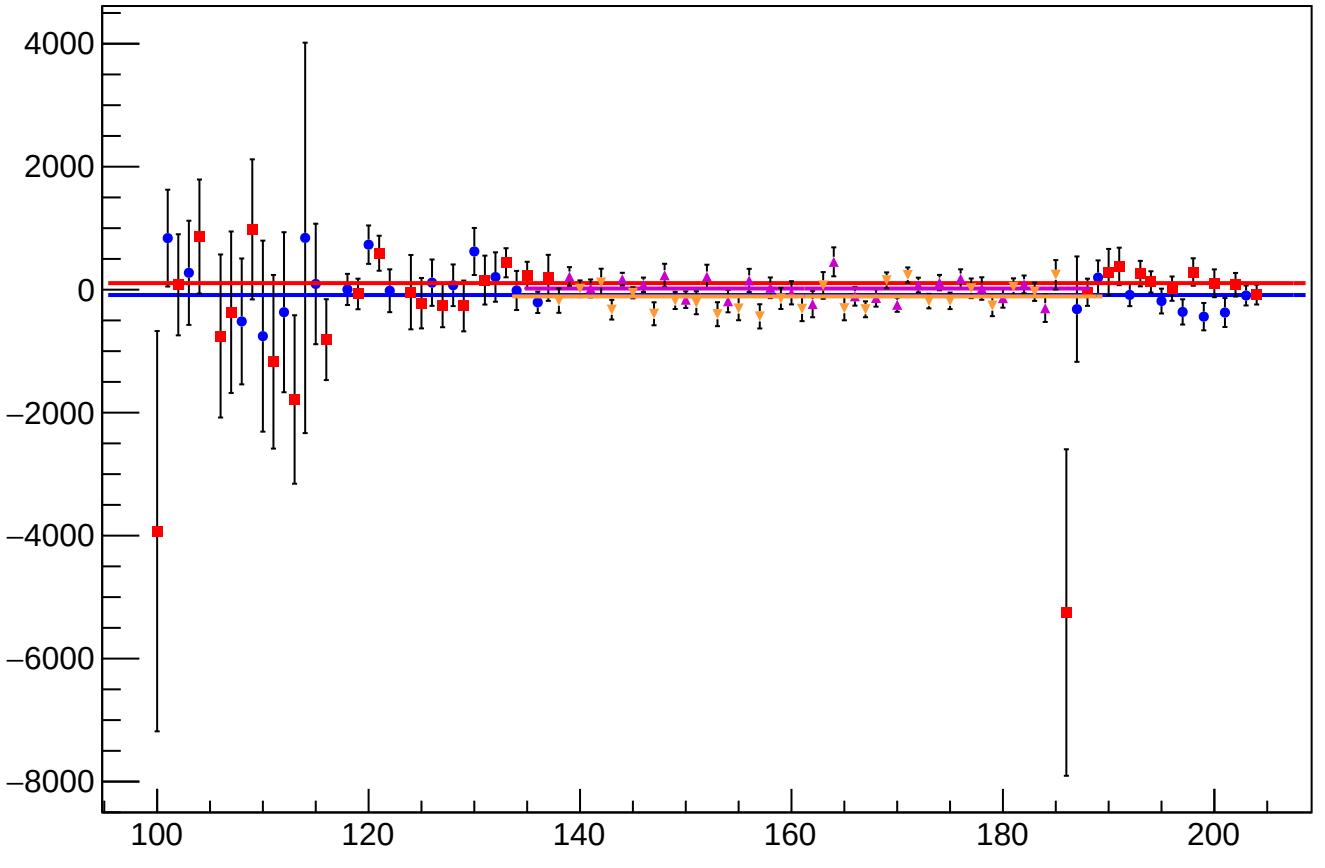
Left: 42.500+/-0.005 χ^2/NDF: 1288900.7/47

Right: 64.711+/-0.009 χ^2/NDF: 4115117.4/53

In: 47.534+/-0.006 χ^2/NDF:4256049.2/46

Out: 47.912+/-0.006 χ^2/NDF:5879775.0/54

All: 47.729+/-0.004 χ^2/NDF: 10137724.5/101



Right In: -87.171+/-59.670 χ^2/NDF: 21.2/23

Left Out: -109.869+/-30.759 χ^2/NDF:36.3/24

Right Out: 106.519+/-54.413 χ^2/NDF: 24.7/29

Left In: 18.838+/-31.477 χ^2/NDF:27.2/22

Left: -47.000+/-21.999 χ^2/NDF: 72.0/47

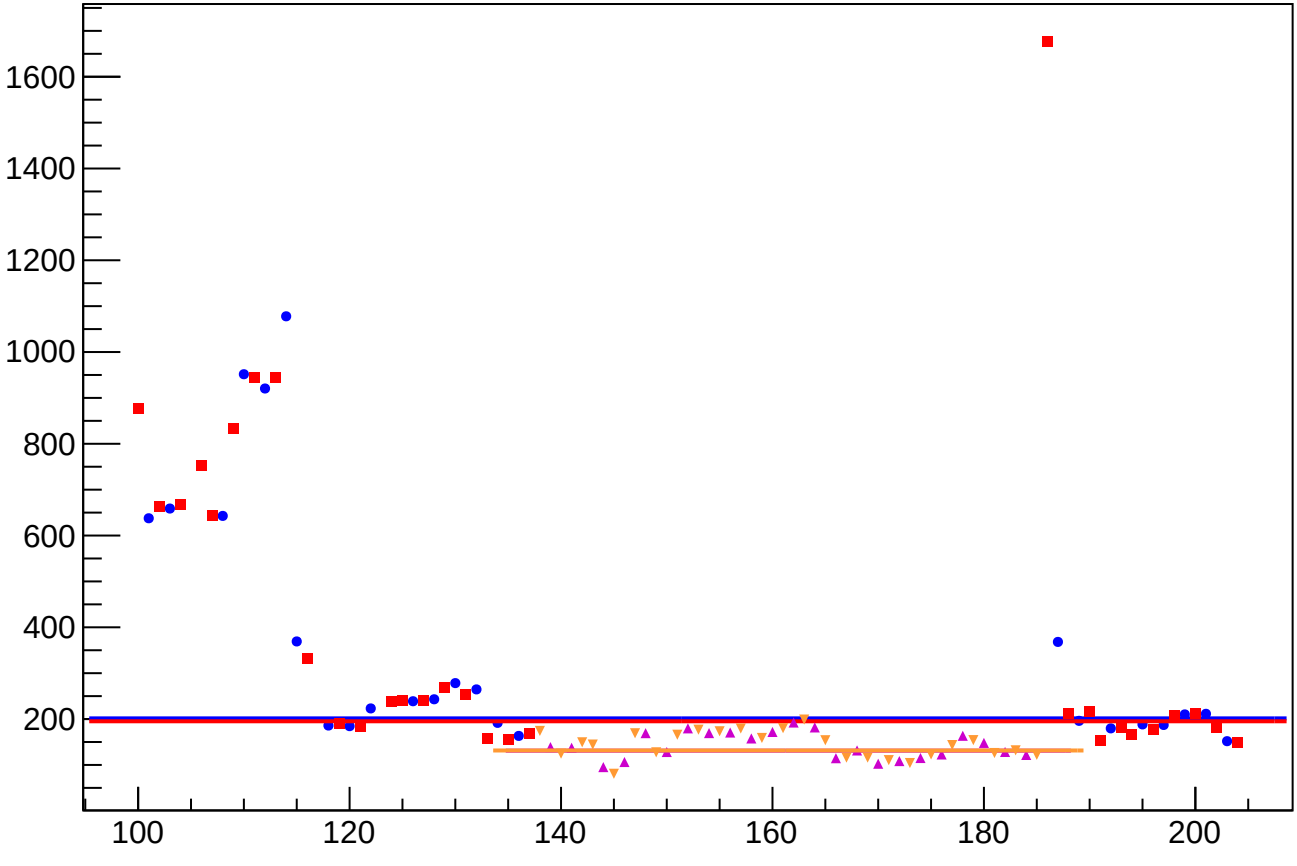
Right: 18.580+/-40.206 χ^2/NDF: 51.7/53

In: -4.239+/-27.841 χ^2/NDF:50.9/46

Out: -57.468+/-26.777 χ^2/NDF:73.0/54

All: -31.890+/-19.299 χ^2/NDF: 125.8/101

asym_sam_37_26_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 201.508+/-0.042 χ^2/NDF: 3474027.3/23

Left Out: 131.515+/-0.022 χ^2/NDF:1902958.8/24

Right Out: 195.163+/-0.038 χ^2/NDF: 4961875.1/29

Left In: 131.074+/-0.022 χ^2/NDF:1467806.6/22

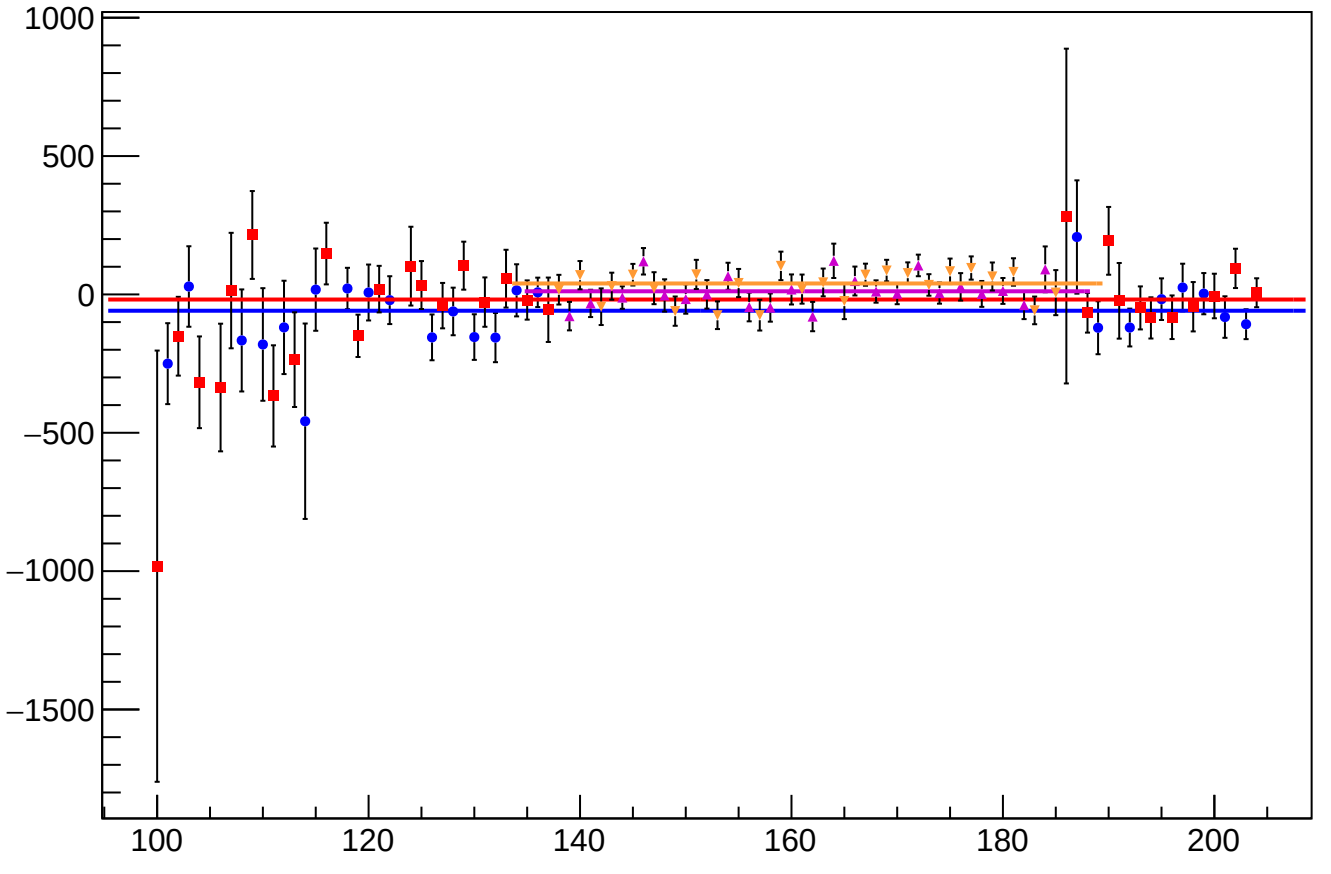
Left: 131.300+/-0.016 χ^2/NDF: 3370966.4/47

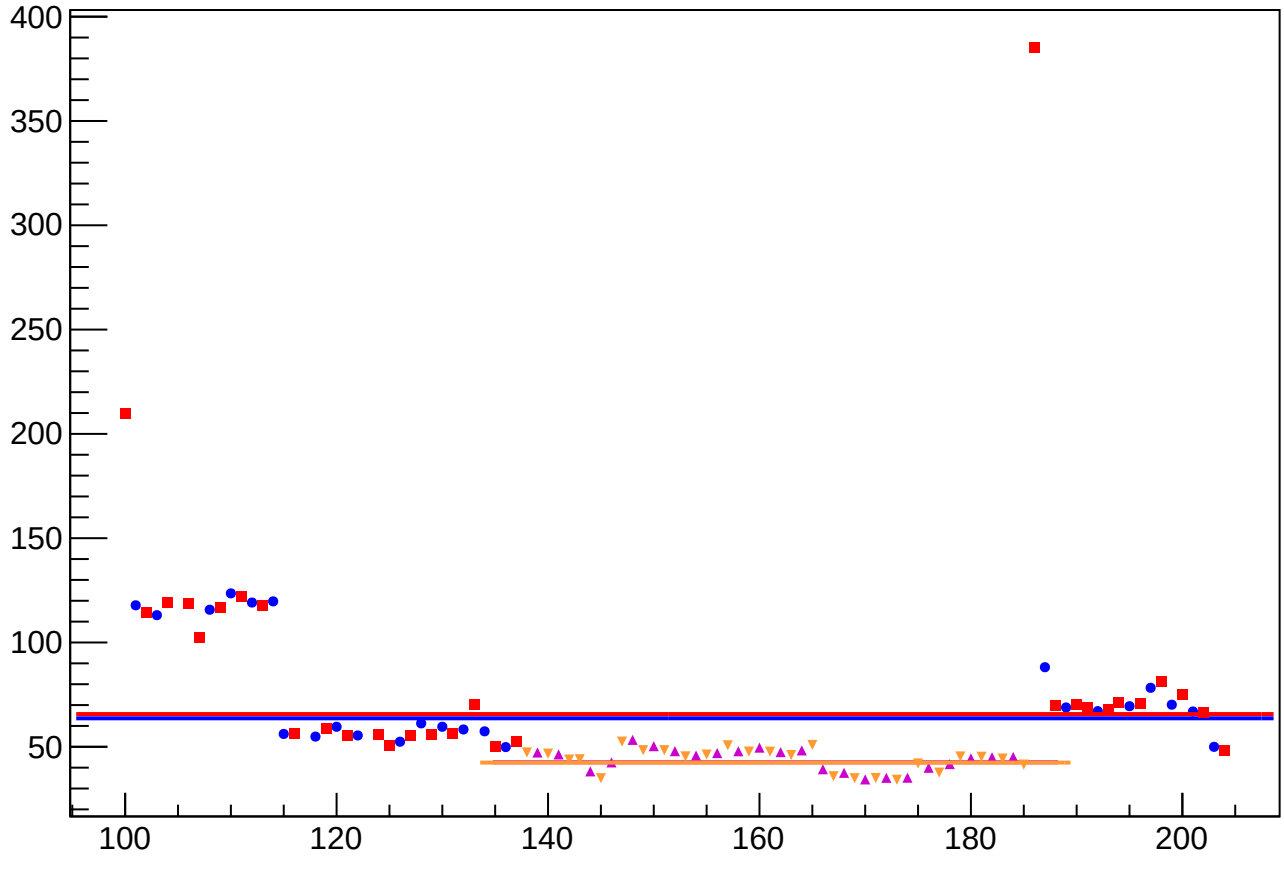
Right: 198.044+/-0.028 χ^2/NDF: 8448249.3/53

In: 146.407+/-0.020 χ^2/NDF:7121856.9/46

Out: 146.928+/-0.019 χ^2/NDF:8938630.4/54

All: 146.678+/-0.014 χ^2/NDF: 16060851.6/10


eigen_dit_asym_sam_37_26_dd_mean vs Slug, Sign Corrected
1000
500
0
−500
−1000
−1500
100
120
140
160
180
200
Right In: -58.979+/-18.174 χ²/NDF: 18.0/23
Left Out: 39.564+/-9.745 χ²/NDF:29.6/24
Right Out: -18.441+/-17.548 χ²/NDF: 32.3/29
Left In: 11.306+/-10.077 χ²/NDF:27.9/22
Left: 25.908+/-7.005 χ²/NDF: 61.6/47
Right: -37.999+/-12.624 χ²/NDF: 52.8/53
In: -5.221+/-8.813 χ²/NDF:57.4/46
Out: 25.891+/-8.520 χ²/NDF:70.2/54
All: 10.861+/-6.125 χ²/NDF: 134.0/101



Right In: 63.652+/-0.013 χ^2/NDF: 1609590.4/23

Left Out: 42.426+/-0.007 χ^2/NDF:698784.4/24

Right Out: 65.699+/-0.012 χ^2/NDF: 2492375.6/29

Left In: 42.579+/-0.007 χ^2/NDF:589901.9/22

Left: 42.500+/-0.005 χ^2/NDF: 1288924.2/47

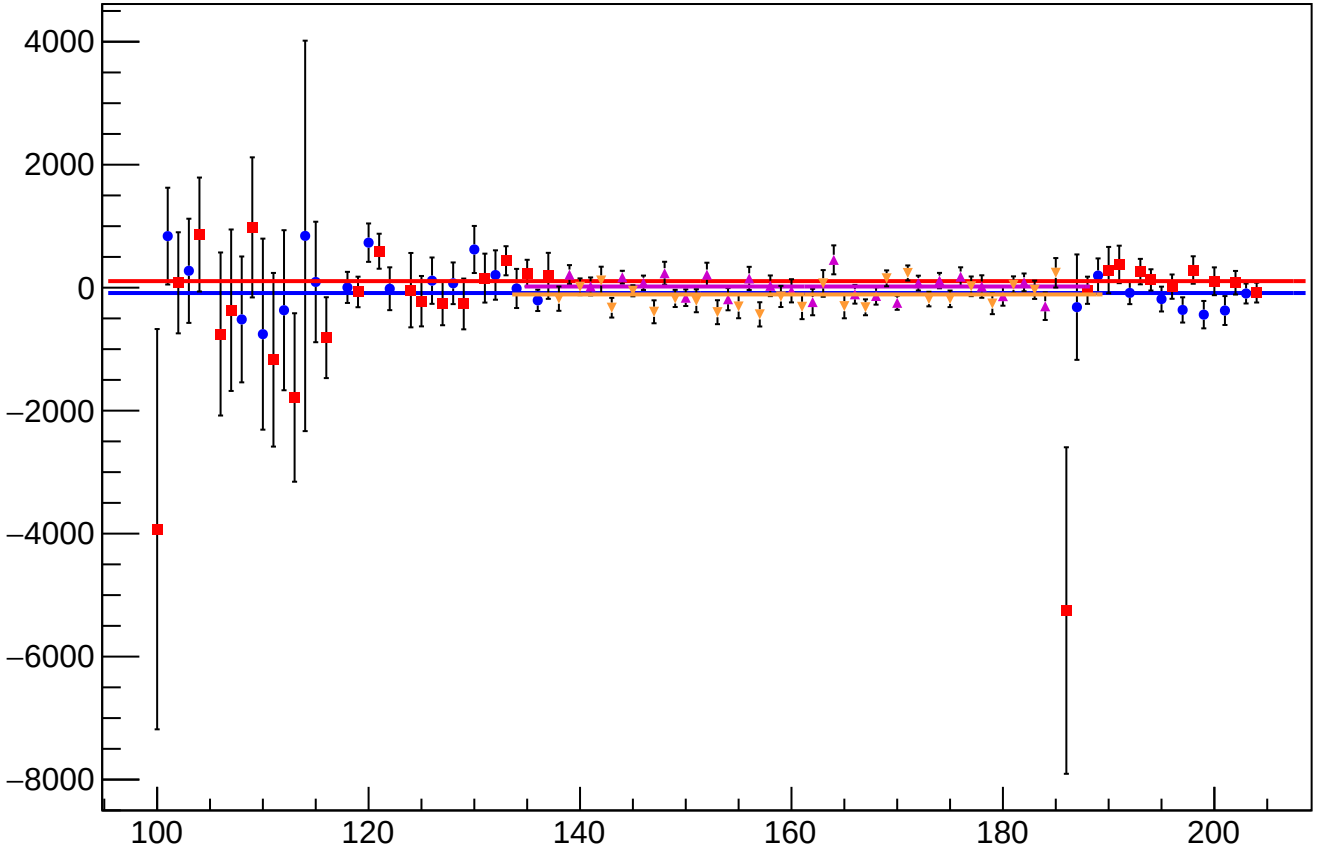
Right: 64.711+/-0.009 χ^2/NDF: 4115098.6/53

In: 47.534+/-0.006 χ^2/NDF:4256030.1/46

Out: 47.912+/-0.006 χ^2/NDF:5879816.0/54

All: 47.730+/-0.004 χ^2/NDF: 10137745.9/101

asym_sam_37_26_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -87.171+/-59.670 χ^2/NDF: 21.2/23

Left Out: -109.869+/-30.759 χ^2/NDF:36.3/24

Right Out: 106.518+/-54.413 χ^2/NDF: 24.7/29

Left In: 18.838+/-31.477 χ^2/NDF:27.2/22

Left: -47.000+/-21.999 χ^2/NDF: 72.0/47

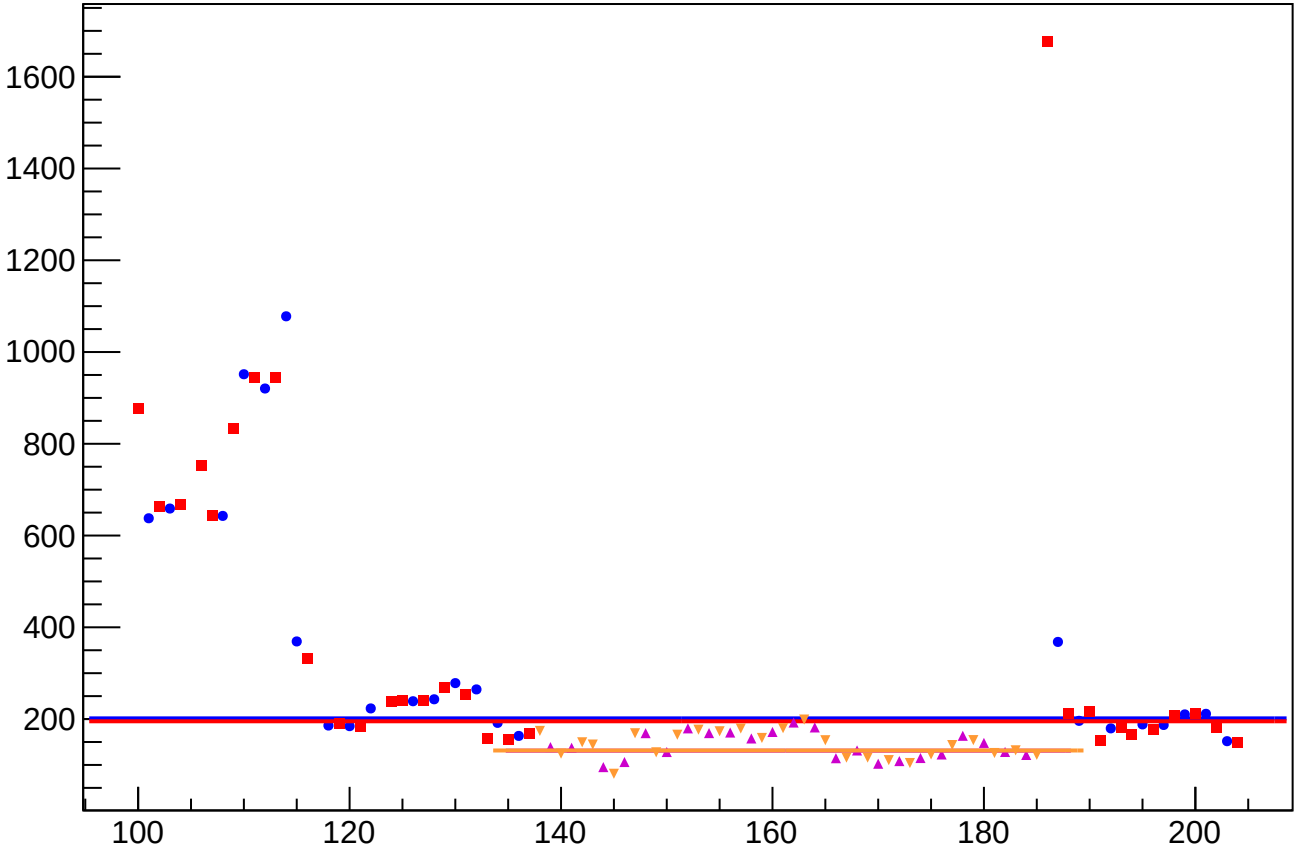
Right: 18.580+/-40.206 χ^2/NDF: 51.7/53

In: -4.239+/-27.841 χ^2/NDF:50.9/46

Out: -57.468+/-26.777 χ^2/NDF:73.0/54

All: -31.890+/-19.299 χ^2/NDF: 125.8/101

asym_sam_37_26_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 201.507+/-0.042 χ^2/NDF: 3474019.7/23

Left Out: 131.515+/-0.022 χ^2/NDF:1902951.8/24

Right Out: 195.162+/-0.038 χ^2/NDF: 4961875.3/29

Left In: 131.074+/-0.022 χ^2/NDF:1467810.7/22

Left: 131.300+/-0.016 χ^2/NDF: 3370963.6/47

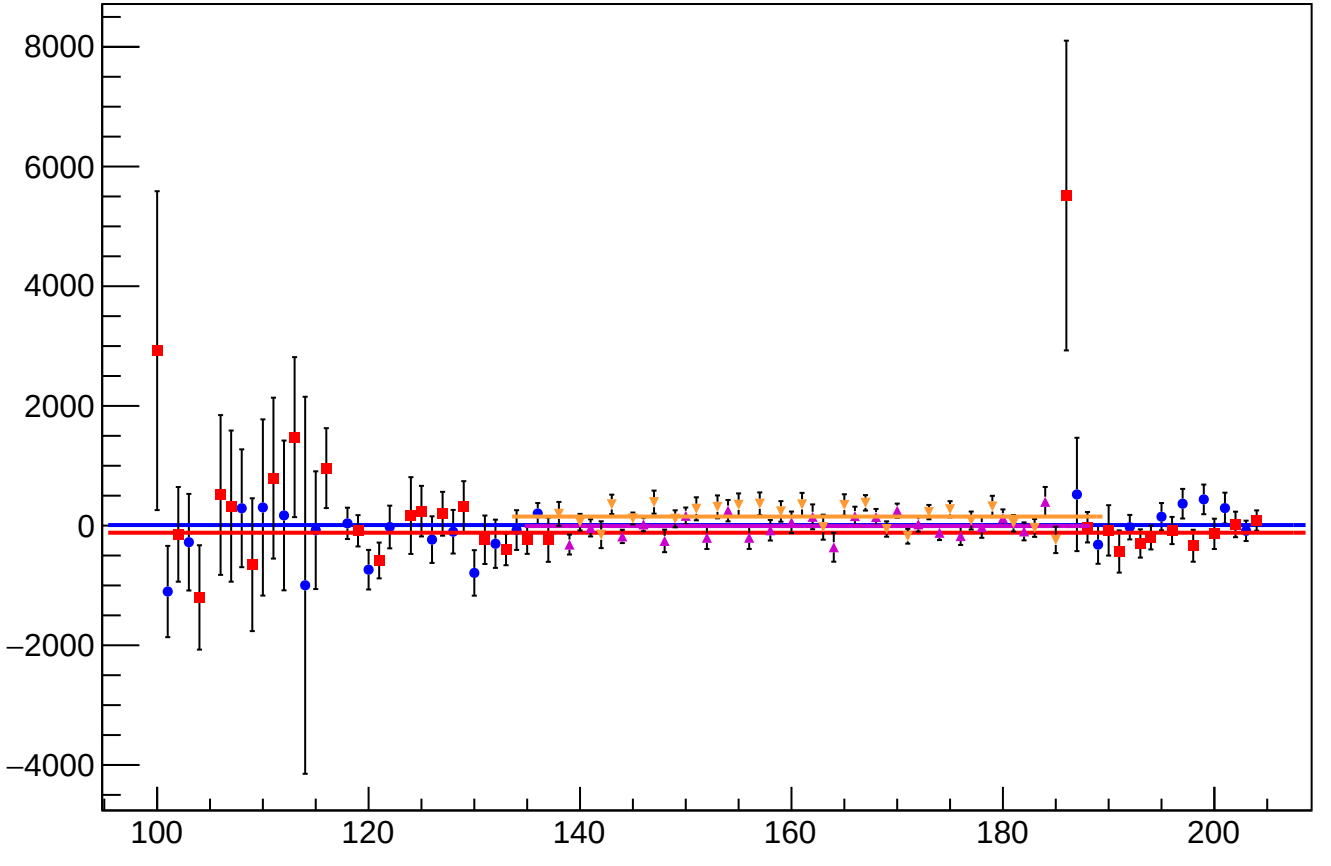
Right: 198.043+/-0.028 χ^2/NDF: 8448242.1/53

In: 146.407+/-0.020 χ^2/NDF:7121814.1/46

Out: 146.928+/-0.019 χ^2/NDF:8938578.7/54

All: 146.678+/-0.014 χ^2/NDF: 16060757.2/10

asym_sam_37_26_dd_mean vs Slug, Sign Corrected



Right In: 9.047+/-64.072 χ^2/NDF: 22.8/23

Left Out: 151.108+/-30.952 χ^2/NDF:33.1/24

Right Out: -119.034+/-59.754 χ^2/NDF: 23.7/29

Left In: -7.941+/-31.621 χ^2/NDF:29.5/22

Left: 73.285+/-22.119 χ^2/NDF: 75.5/47

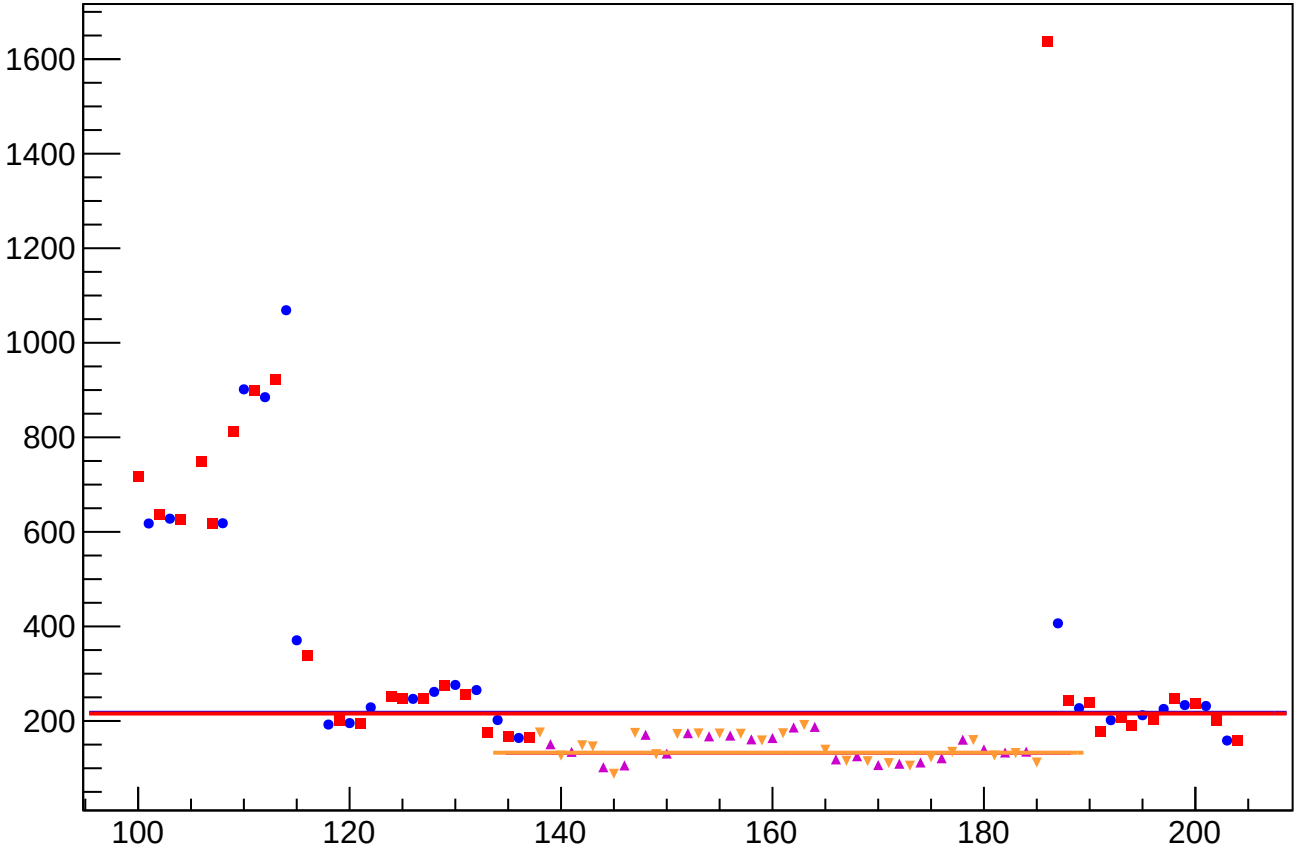
Right: -59.454+/-43.699 χ^2/NDF: 48.6/53

In: -4.614+/-28.356 χ^2/NDF:52.3/46

Out: 93.960+/-27.484 χ^2/NDF:72.9/54

All: 46.213+/-19.735 χ^2/NDF: 131.4/101

asym_sam_37_26_dd_rms vs Slug, Sign Corrected



Right In: 217.321+/-0.045 χ^2/NDF: 3282621.8/23

Left Out: 132.876+/-0.022 χ^2/NDF:1592310.5/24

Right Out: 215.752+/-0.042 χ^2/NDF: 4589967.4/29

Left In: 132.342+/-0.022 χ^2/NDF:1277761.6/22

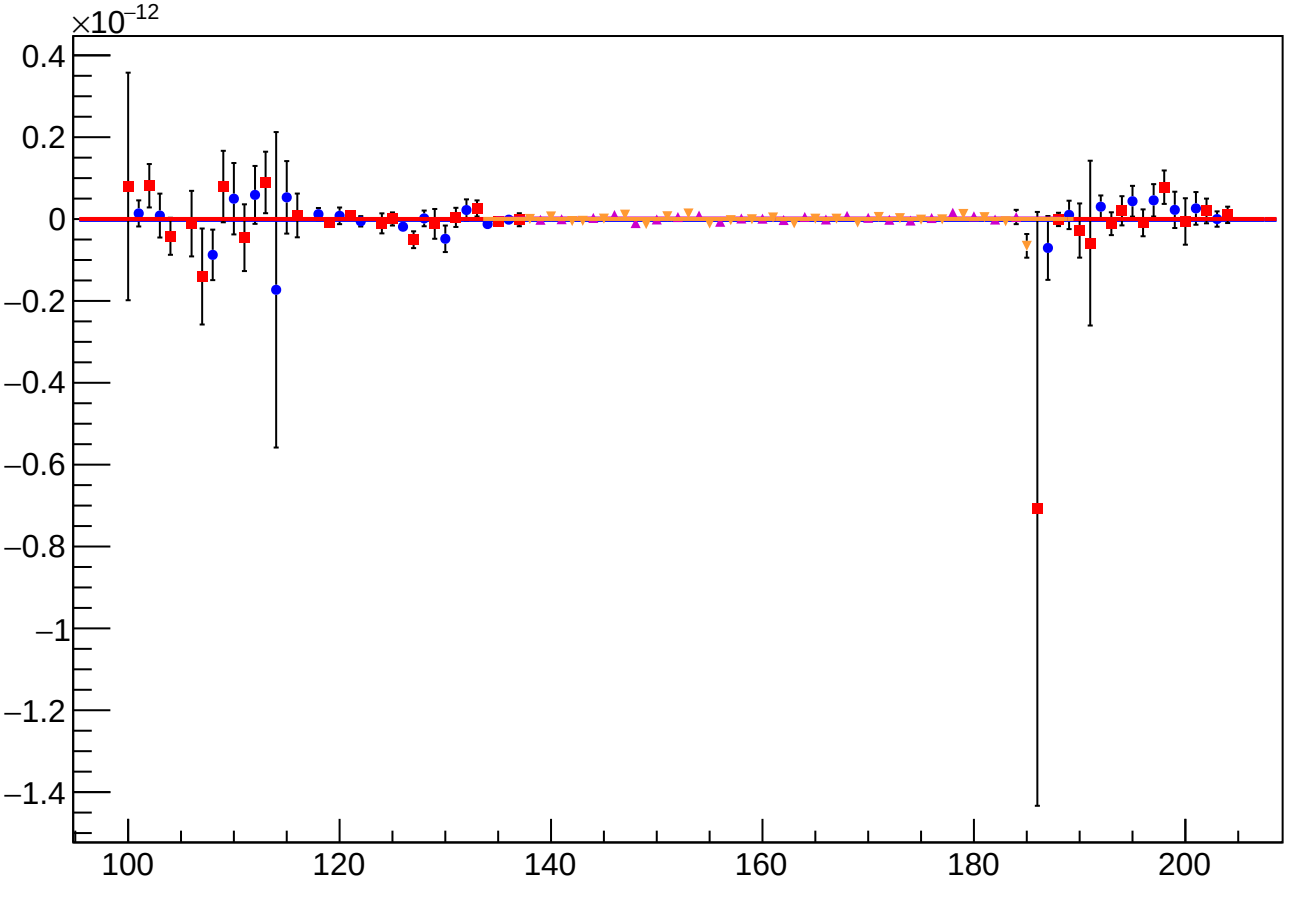
Left: 132.614+/-0.016 χ^2/NDF: 2870363.4/47

Right: 216.482+/-0.031 χ^2/NDF: 7873230.6/53

In: 148.986+/-0.020 χ^2/NDF:7389517.1/46

Out: 150.408+/-0.019 χ^2/NDF:9215713.8/54

All: 149.719+/-0.014 χ^2/NDF: 16607824.7/10



Right In: -0.000+/-0.000 χ^2/NDF: 17.7/23

Left Out: 0.000+/-0.000 χ^2/NDF:32.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 24.2/29

Left In: 0.000+/-0.000 χ^2/NDF:14.9/22

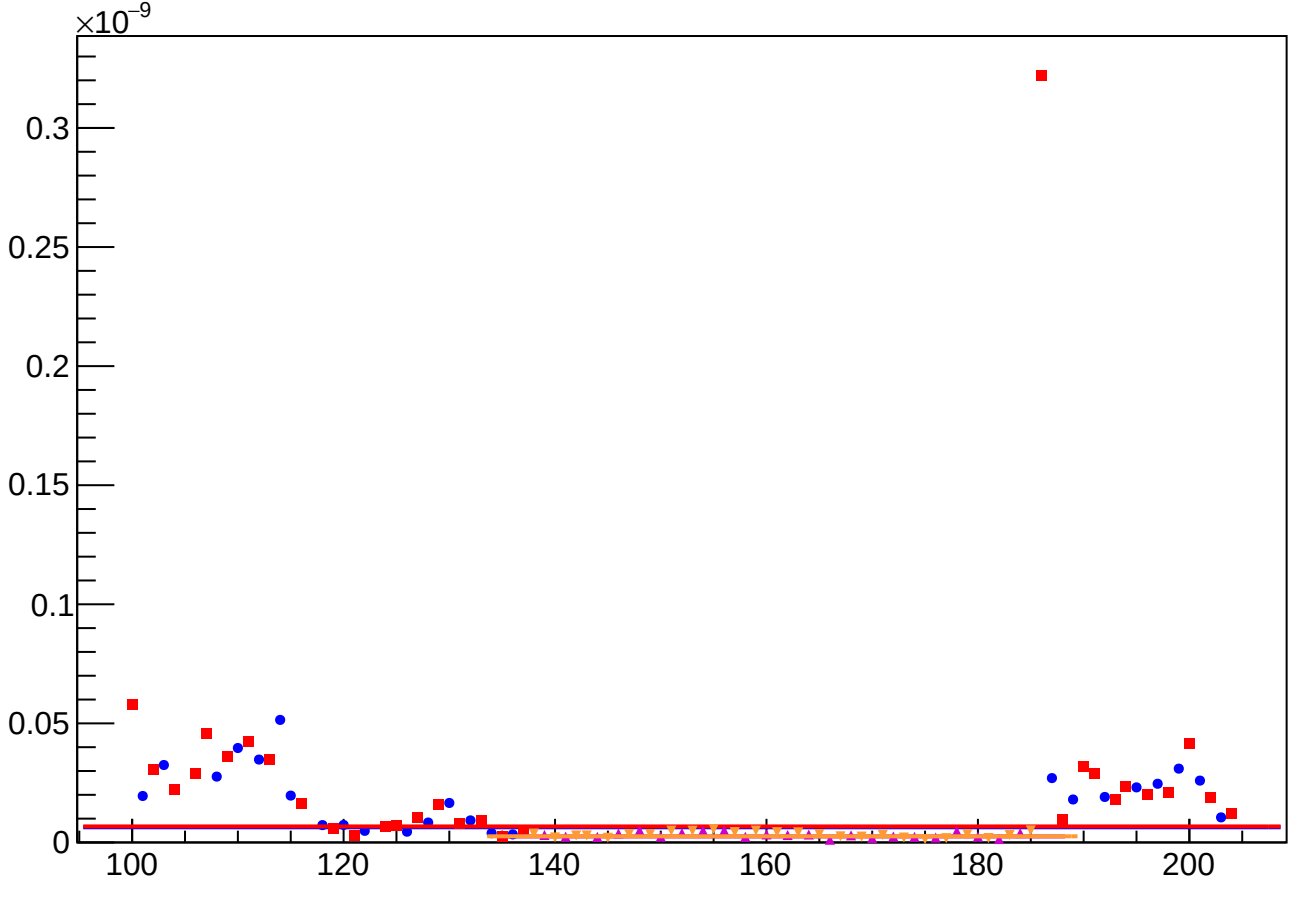
Left: 0.000+/-0.000 χ^2/NDF: 47.6/47

Right: -0.000+/-0.000 χ^2/NDF: 42.2/53

In: 0.000+/-0.000 χ^2/NDF:33.5/46

Out: 0.000+/-0.000 χ^2/NDF:56.4/54

All: 0.000+/-0.000 χ^2/NDF: 90.2/101



Right In: 0.000+/-0.000 χ^2/NDF: 5652026.7/23

Left Out: 0.000+/-0.000 χ^2/NDF:2174042.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6921765.2/29

Left In: 0.000+/-0.000 χ^2/NDF:1530752.8/22

Left: 0.000+/-0.000 χ^2/NDF: 3707099.3/47

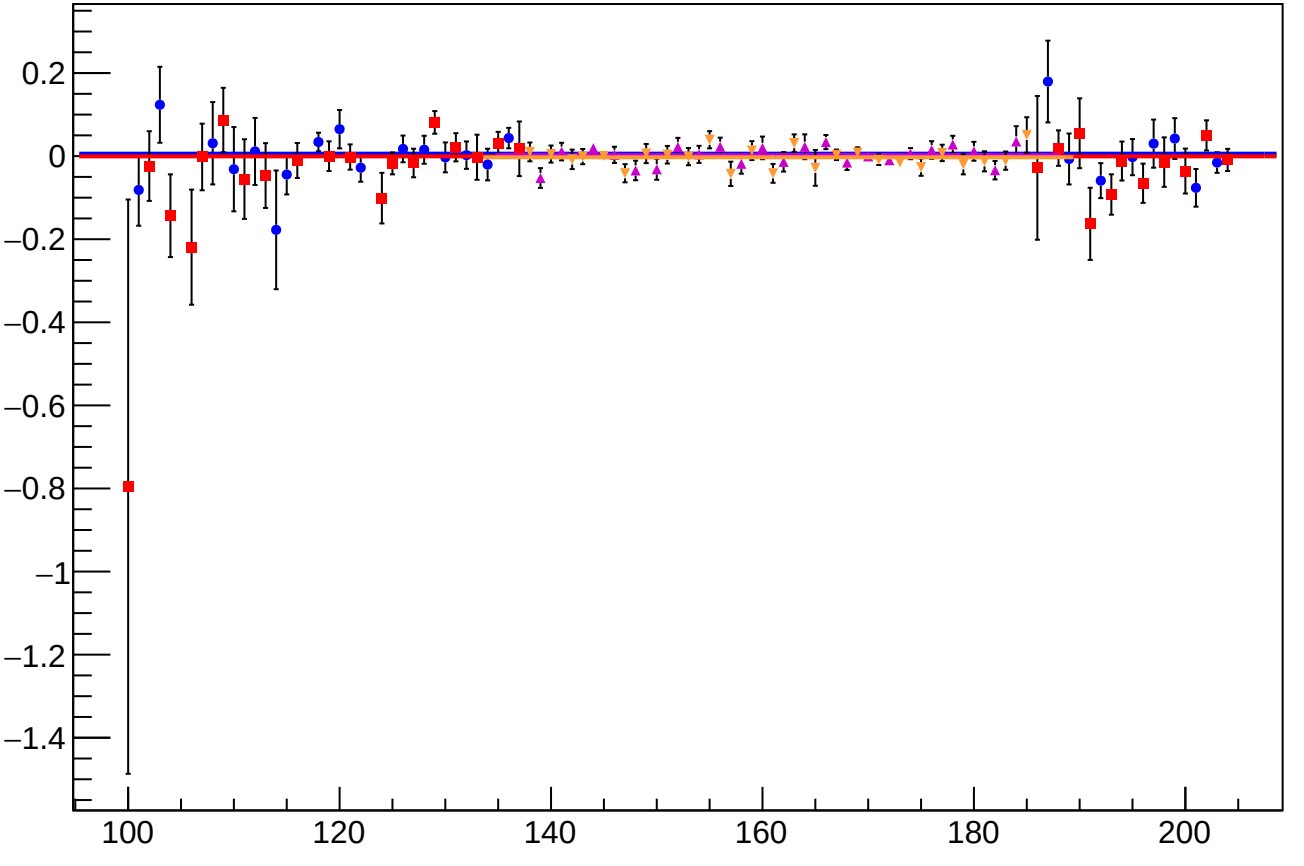
Right: 0.000+/-0.000 χ^2/NDF: 12583734.5/53

In: 0.000+/-0.000 χ^2/NDF:9400101.9/46

Out: 0.000+/-0.000 χ^2/NDF:11501931.2/54

All: 0.000+/-0.000 χ^2/NDF: 20903124.7/101

asym_sam_37_26_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.006+/-0.008 χ^2/NDF: 23.3/23

Left Out: -0.003+/-0.004 χ^2/NDF:22.6/24

Right Out: -0.001+/-0.008 χ^2/NDF: 34.1/29

Left In: 0.002+/-0.004 χ^2/NDF:26.9/22

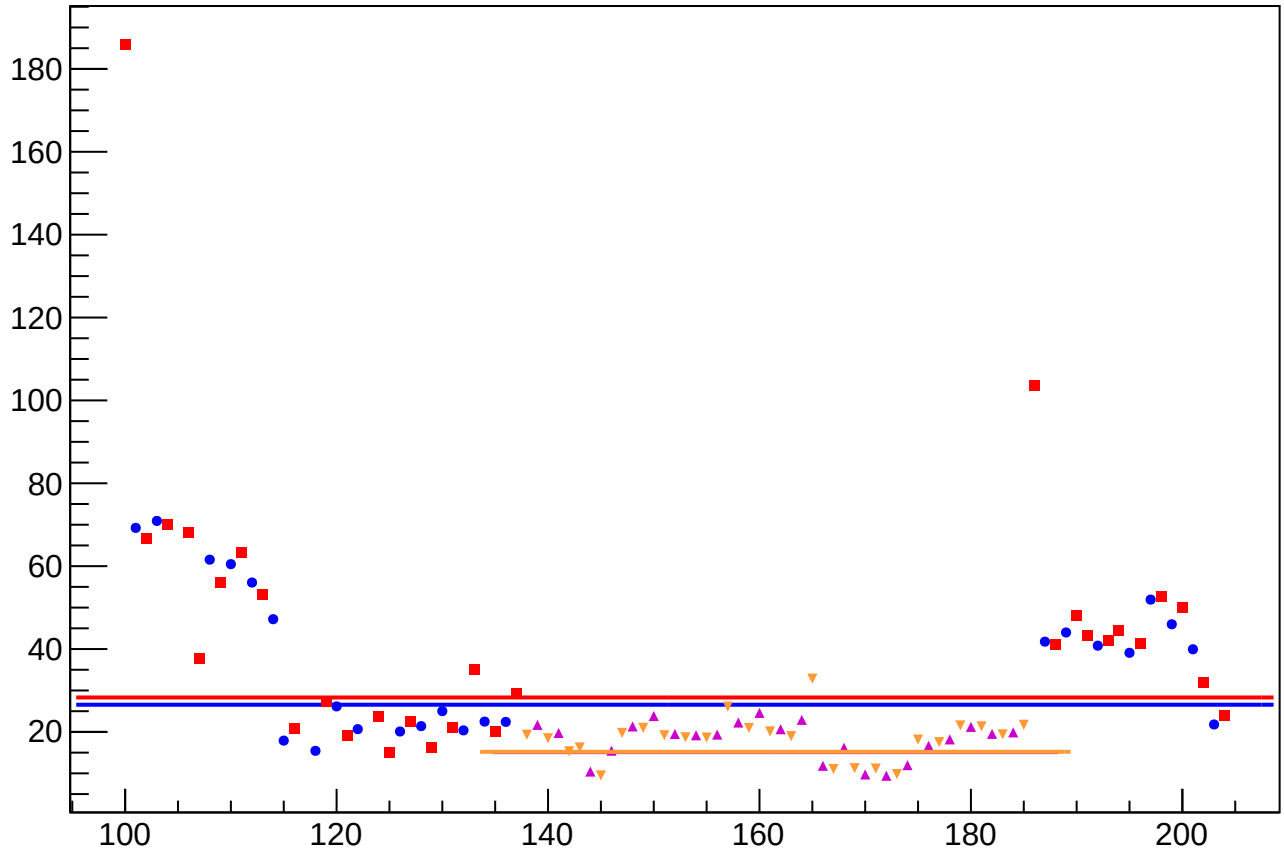
Left: -0.000+/-0.003 χ^2/NDF: 50.5/47

Right: 0.003+/-0.006 χ^2/NDF: 57.6/53

In: 0.003+/-0.003 χ^2/NDF:50.3/46

Out: -0.002+/-0.003 χ^2/NDF:56.8/54

All: 0.000+/-0.002 χ^2/NDF: 108.3/101



Right In: 26.560+/-0.006 χ^2/NDF: 4196065.2/23

Left Out: 15.202+/-0.003 χ^2/NDF:3441921.2/24

Right Out: 28.311+/-0.006 χ^2/NDF: 5303395.6/29

Left In: 15.116+/-0.003 χ^2/NDF:3402288.3/22

Left: 15.161+/-0.002 χ^2/NDF: 6844723.3/47

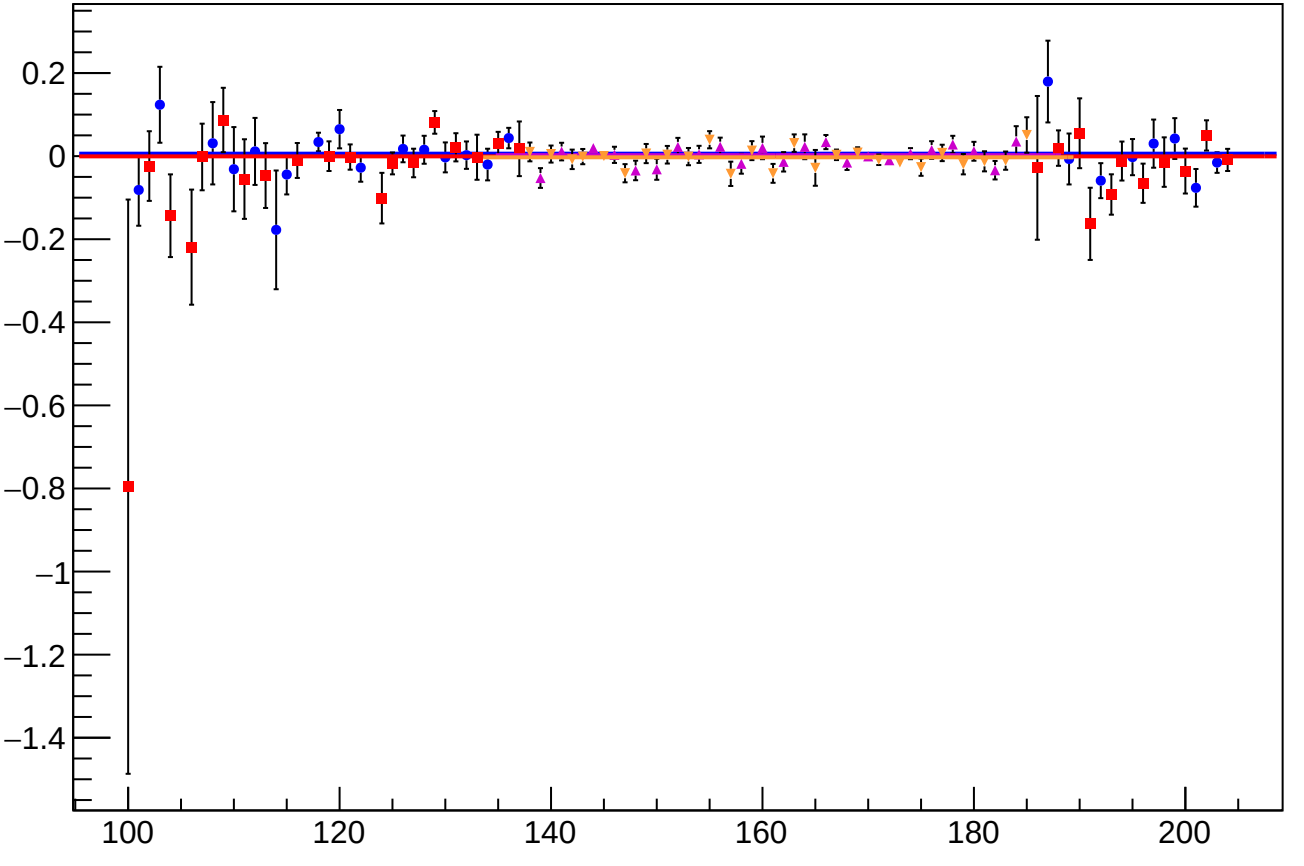
Right: 27.443+/-0.004 χ^2/NDF: 9544583.4/53

In: 17.131+/-0.002 χ^2/NDF:10749730.4/46

Out: 17.420+/-0.002 χ^2/NDF:12981980.0/54

All: 17.280+/-0.002 χ^2/NDF: 23738805.1/101

asym_sam_37_26_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.006+/-0.008 χ^2/NDF: 23.3/23

Left Out: -0.003+/-0.004 χ^2/NDF:22.6/24

Right Out: -0.001+/-0.008 χ^2/NDF: 34.1/29

Left In: 0.002+/-0.004 χ^2/NDF:26.9/22

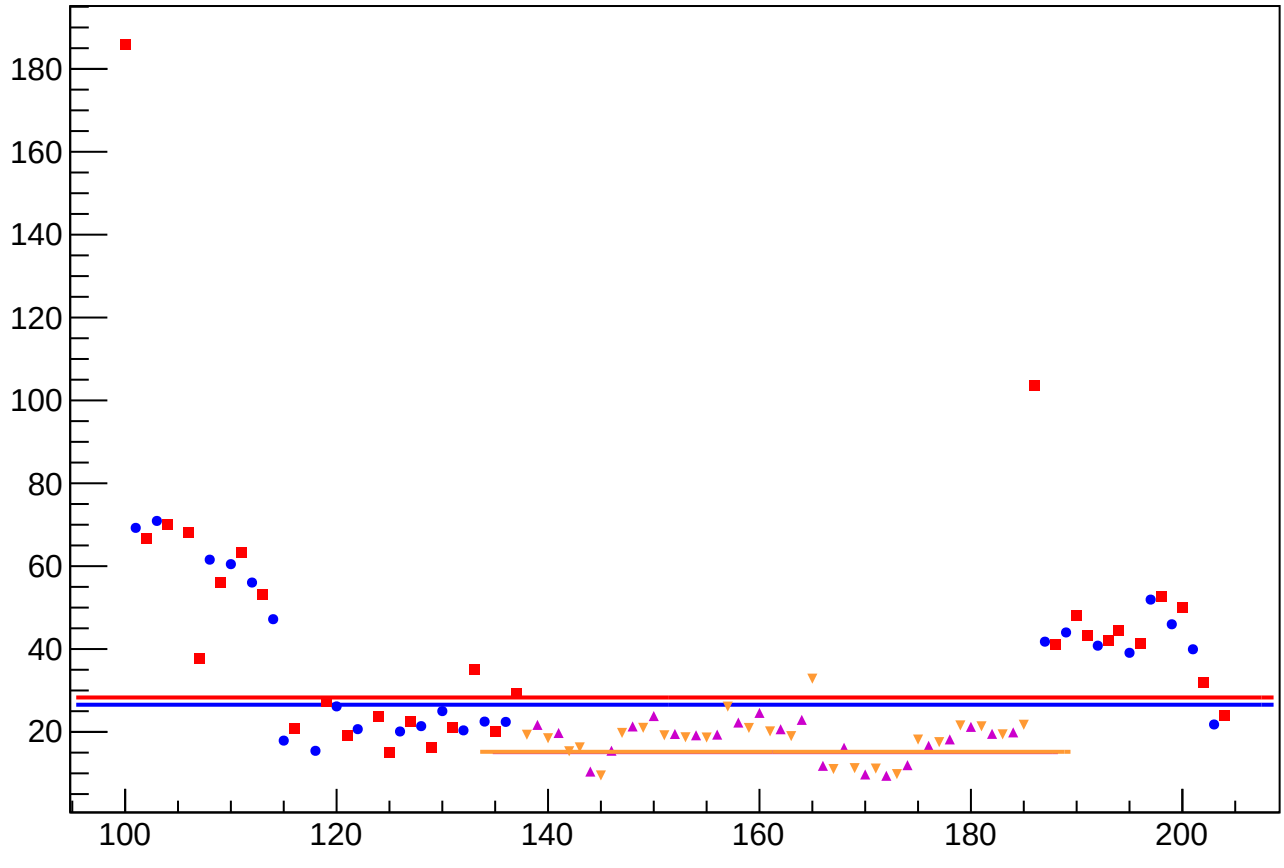
Left: -0.000+/-0.003 χ^2/NDF: 50.5/47

Right: 0.003+/-0.006 χ^2/NDF: 57.6/53

In: 0.003+/-0.003 χ^2/NDF:50.3/46

Out: -0.002+/-0.003 χ^2/NDF:56.8/54

All: 0.000+/-0.002 χ^2/NDF: 108.3/101



Right In: 26.560+/-0.006 χ^2/NDF: 4196065.2/23

Left Out: 15.202+/-0.003 χ^2/NDF:3441921.2/24

Right Out: 28.311+/-0.006 χ^2/NDF: 5303395.6/29

Left In: 15.116+/-0.003 χ^2/NDF:3402288.3/22

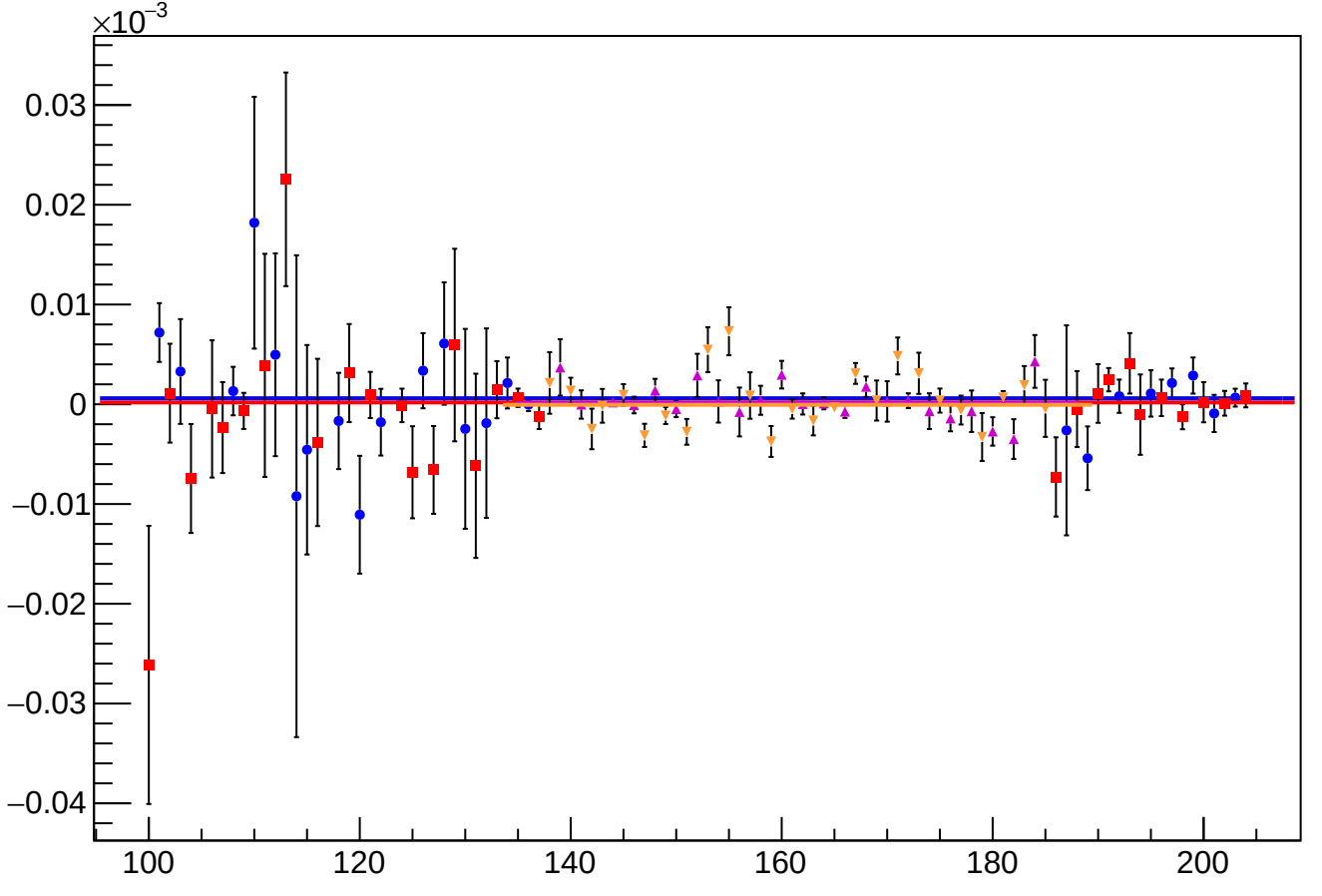
Left: 15.161+/-0.002 χ^2/NDF: 6844723.3/47

Right: 27.443+/-0.004 χ^2/NDF: 9544583.4/53

In: 17.131+/-0.002 χ^2/NDF:10749730.4/46

Out: 17.420+/-0.002 χ^2/NDF:12981980.0/54

All: 17.280+/-0.002 χ^2/NDF: 23738805.1/101



Right In: 0.000+/-0.000 χ^2/NDF: 22.4/23

Left Out: -0.000+/-0.000 χ^2/NDF:62.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 29.3/29

Left In: 0.000+/-0.000 χ^2/NDF:25.5/22

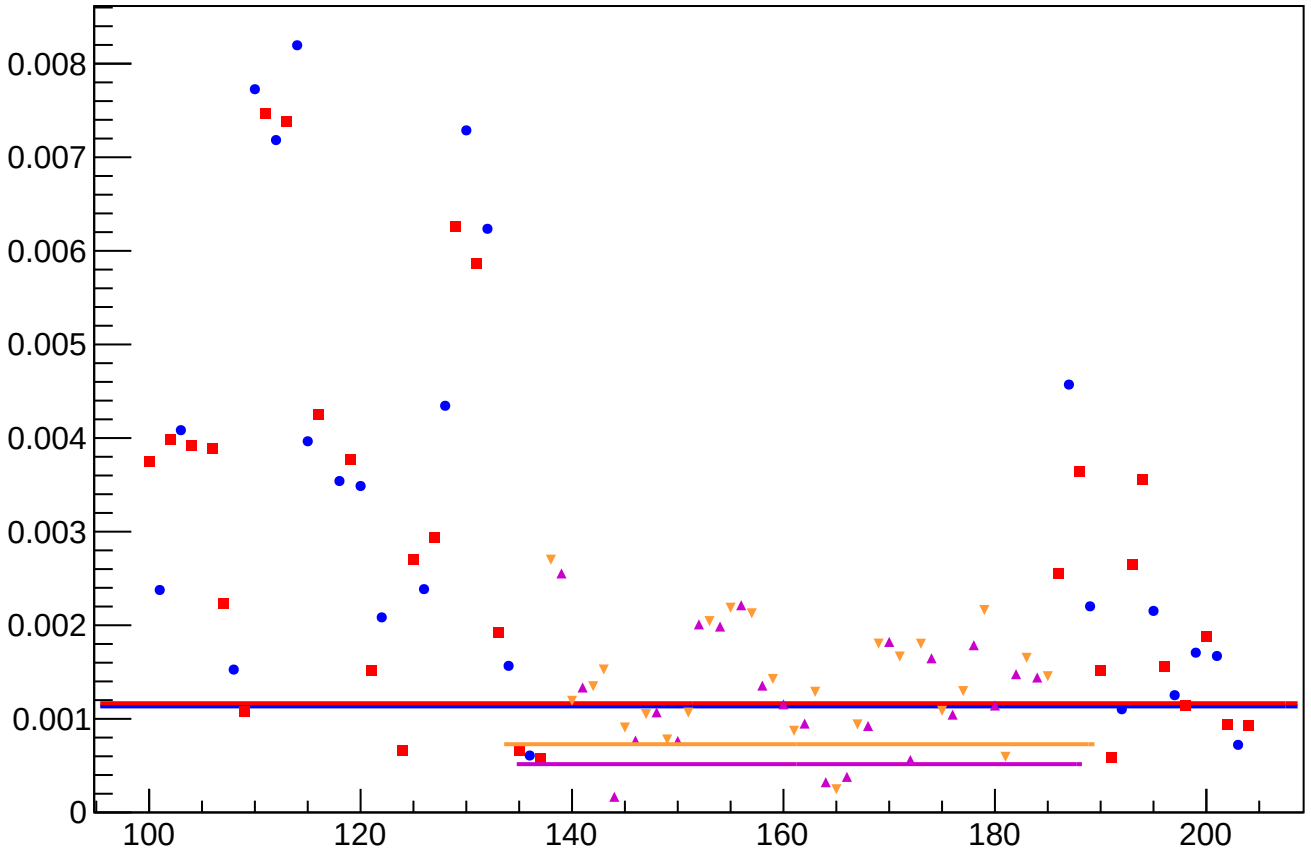
Left: 0.000+/-0.000 χ^2/NDF: 88.7/47

Right: 0.000+/-0.000 χ^2/NDF: 52.3/53

In: 0.000+/-0.000 χ^2/NDF:49.1/46

Out: 0.000+/-0.000 χ^2/NDF:92.5/54

All: 0.000+/-0.000 χ^2/NDF: 142.2/101



Right In: 0.001+/-0.000 χ^2/NDF: 8692990.3/23

Left Out: 0.001+/-0.000 χ^2/NDF:13120515.6/24

Right Out: 0.001+/-0.000 χ^2/NDF: 10092691.2/29

Left In: 0.001+/-0.000 χ^2/NDF:15027708.0/22

Left: 0.001+/-0.000 χ^2/NDF: 29374928.0/47

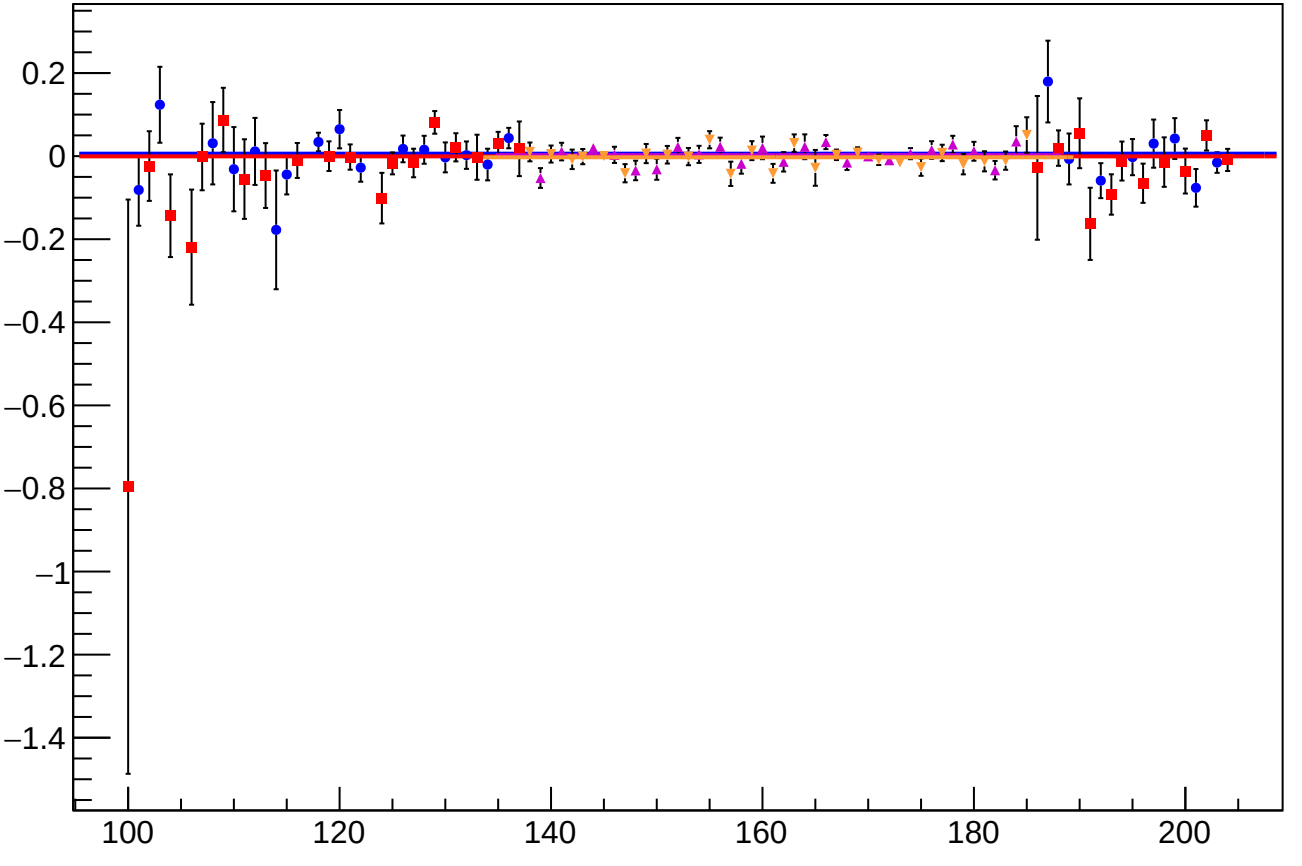
Right: 0.001+/-0.000 χ^2/NDF: 18793100.3/53

In: 0.001+/-0.000 χ^2/NDF:27648228.7/46

Out: 0.001+/-0.000 χ^2/NDF:25223877.5/54

All: 0.001+/-0.000 χ^2/NDF: 54426267.9/101

asym_sam_37_26_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.006+/-0.008 χ^2/NDF: 23.3/23

Left Out: -0.003+/-0.004 χ^2/NDF:22.6/24

Right Out: -0.001+/-0.008 χ^2/NDF: 34.1/29

Left In: 0.002+/-0.004 χ^2/NDF:26.9/22

Left: -0.000+/-0.003 χ^2/NDF: 50.5/47

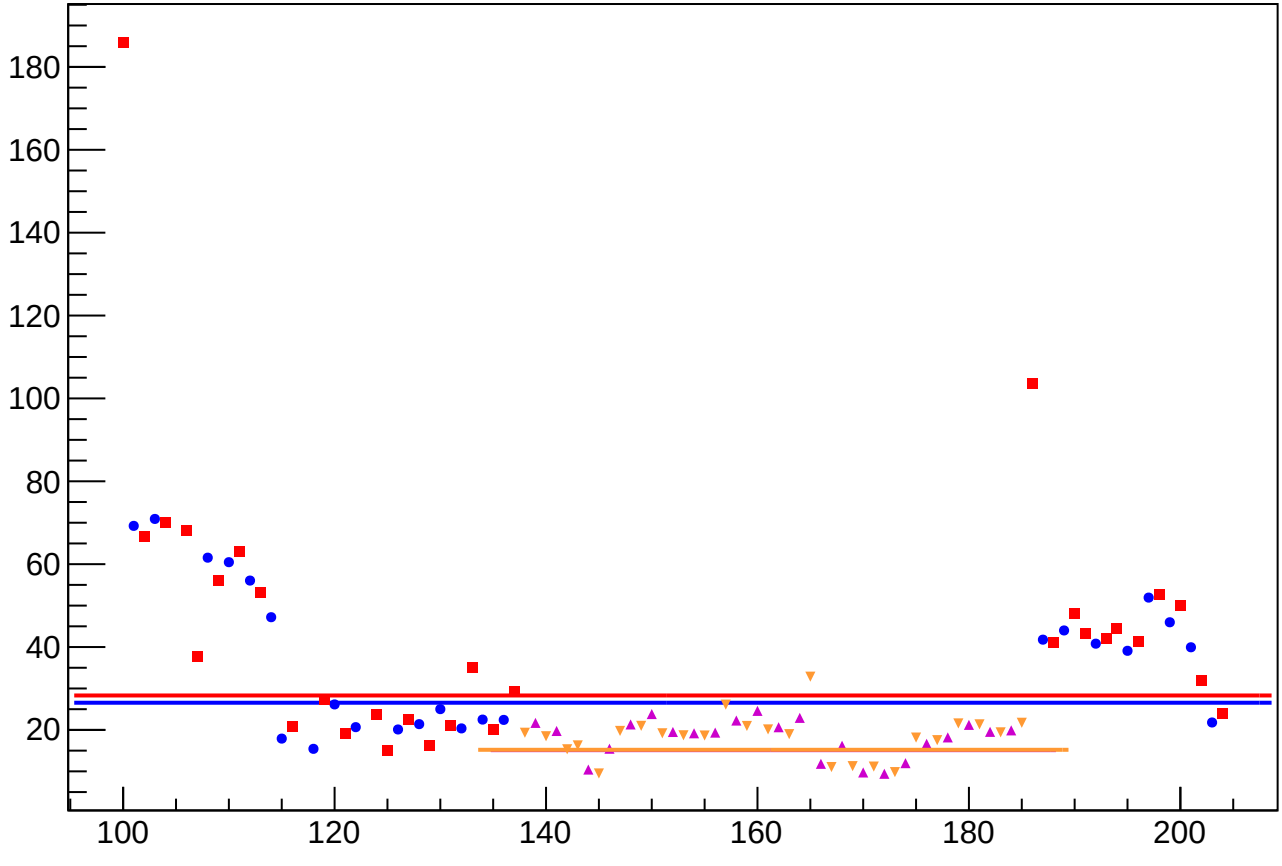
Right: 0.003+/-0.006 χ^2/NDF: 57.6/53

In: 0.003+/-0.003 χ^2/NDF:50.3/46

Out: -0.002+/-0.003 χ^2/NDF:56.8/54

All: 0.000+/-0.002 χ^2/NDF: 108.3/101

asym_sam_37_26_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 26.559+/-0.006 χ^2/NDF: 4196375.7/23

Left Out: 15.202+/-0.003 χ^2/NDF:3442015.2/24

Right Out: 28.311+/-0.006 χ^2/NDF: 5303581.6/29

Left In: 15.117+/-0.003 χ^2/NDF:3402318.1/22

Left: 15.161+/-0.002 χ^2/NDF: 6844846.5/47

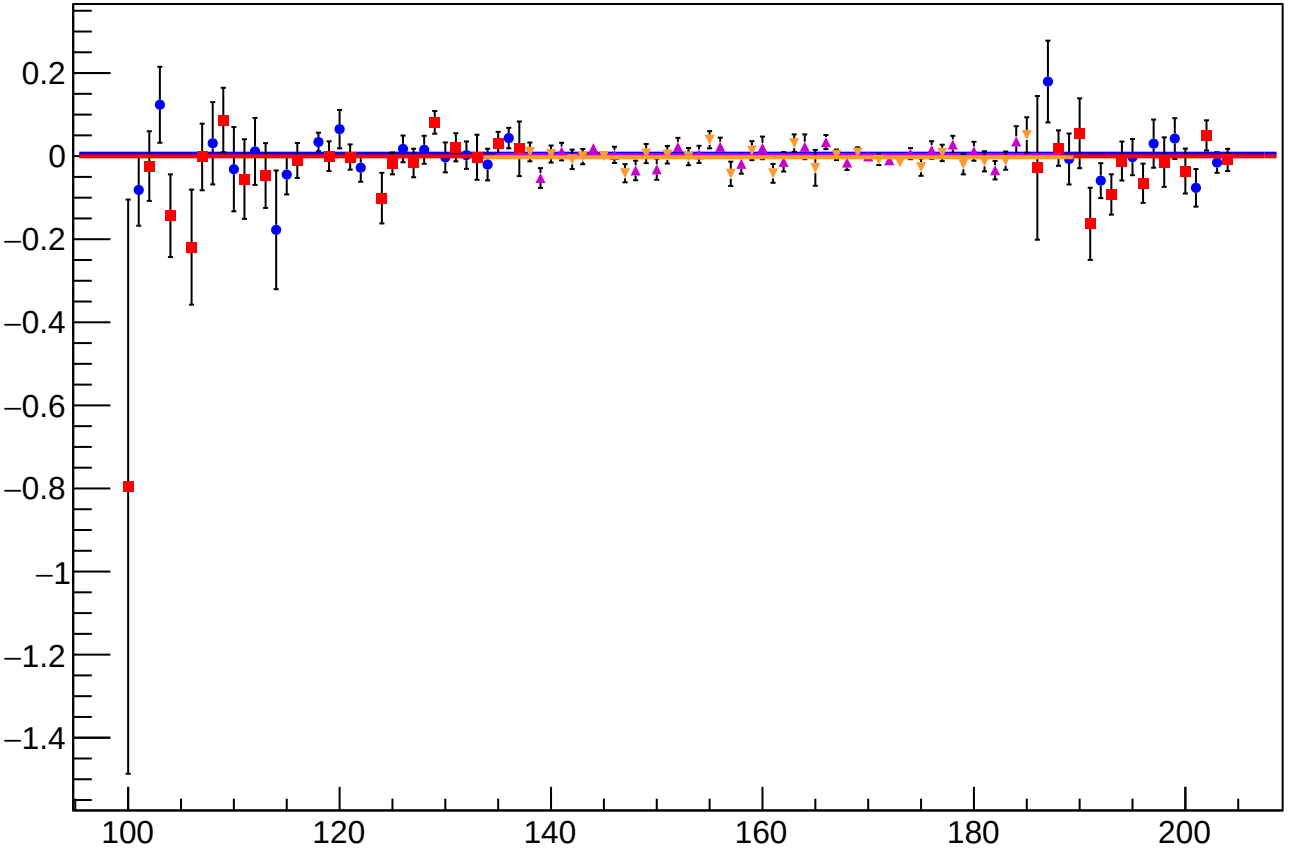
Right: 27.442+/-0.004 χ^2/NDF: 9545117.6/53

In: 17.131+/-0.002 χ^2/NDF:10749607.7/46

Out: 17.420+/-0.002 χ^2/NDF:12982073.1/54

All: 17.280+/-0.002 χ^2/NDF: 23738775.8/101

asym_sam_37_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.006+/-0.008 χ^2/NDF: 23.3/23

Left Out: -0.003+/-0.004 χ^2/NDF:22.6/24

Right Out: -0.001+/-0.008 χ^2/NDF: 34.1/29

Left In: 0.002+/-0.004 χ^2/NDF:26.9/22

Left: -0.000+/-0.003 χ^2/NDF: 50.5/47

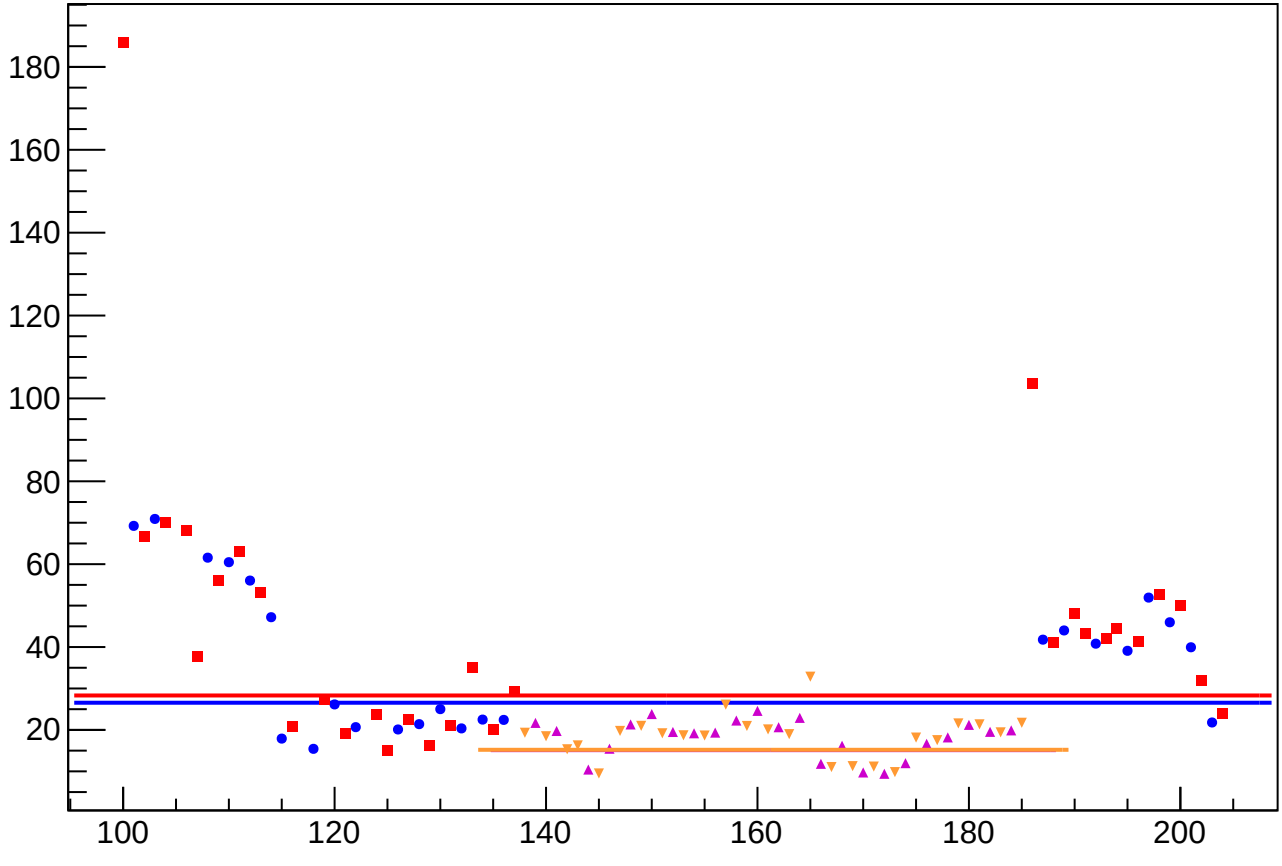
Right: 0.003+/-0.006 χ^2/NDF: 57.6/53

In: 0.003+/-0.003 χ^2/NDF:50.3/46

Out: -0.002+/-0.003 χ^2/NDF:56.8/54

All: 0.000+/-0.002 χ^2/NDF: 108.3/101

asym_sam_37_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 26.559+/-0.006 χ^2/NDF: 4196375.7/23

Left Out: 15.202+/-0.003 χ^2/NDF:3442015.2/24

Right Out: 28.311+/-0.006 χ^2/NDF: 5303581.6/29

Left In: 15.117+/-0.003 χ^2/NDF:3402318.1/22

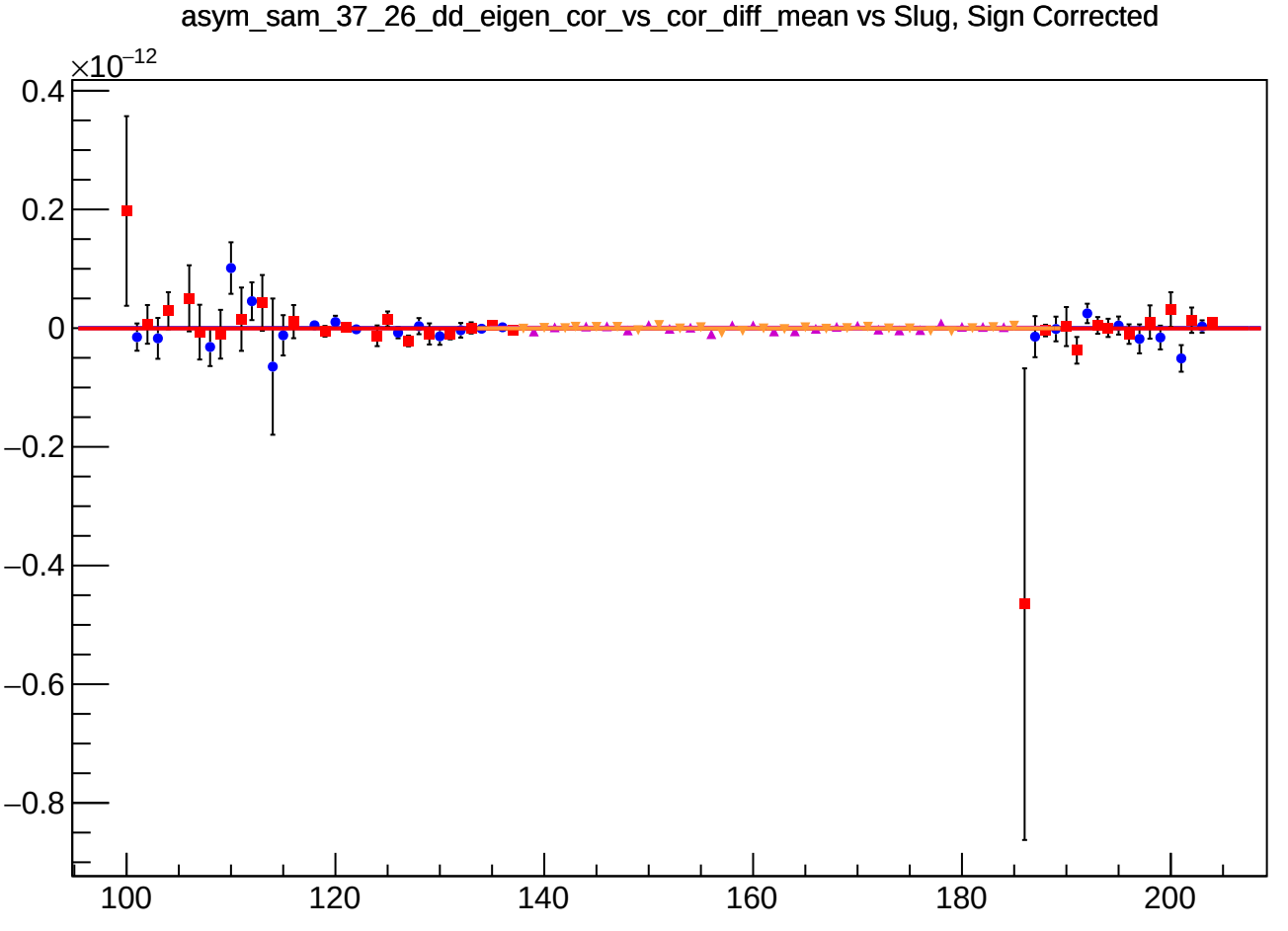
Left: 15.161+/-0.002 χ^2/NDF: 6844846.5/47

Right: 27.442+/-0.004 χ^2/NDF: 9545117.6/53

In: 17.131+/-0.002 χ^2/NDF:10749607.7/46

Out: 17.420+/-0.002 χ^2/NDF:12982073.1/54

All: 17.280+/-0.002 χ^2/NDF: 23738775.8/101



Right In: 0.000+/-0.000 χ^2/NDF: 21.9/23

Left Out: -0.000+/-0.000 χ^2/NDF:21.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 24.3/29

Left In: 0.000+/-0.000 χ^2/NDF:39.5/22

Left: 0.000+/-0.000 χ^2/NDF: 62.7/47

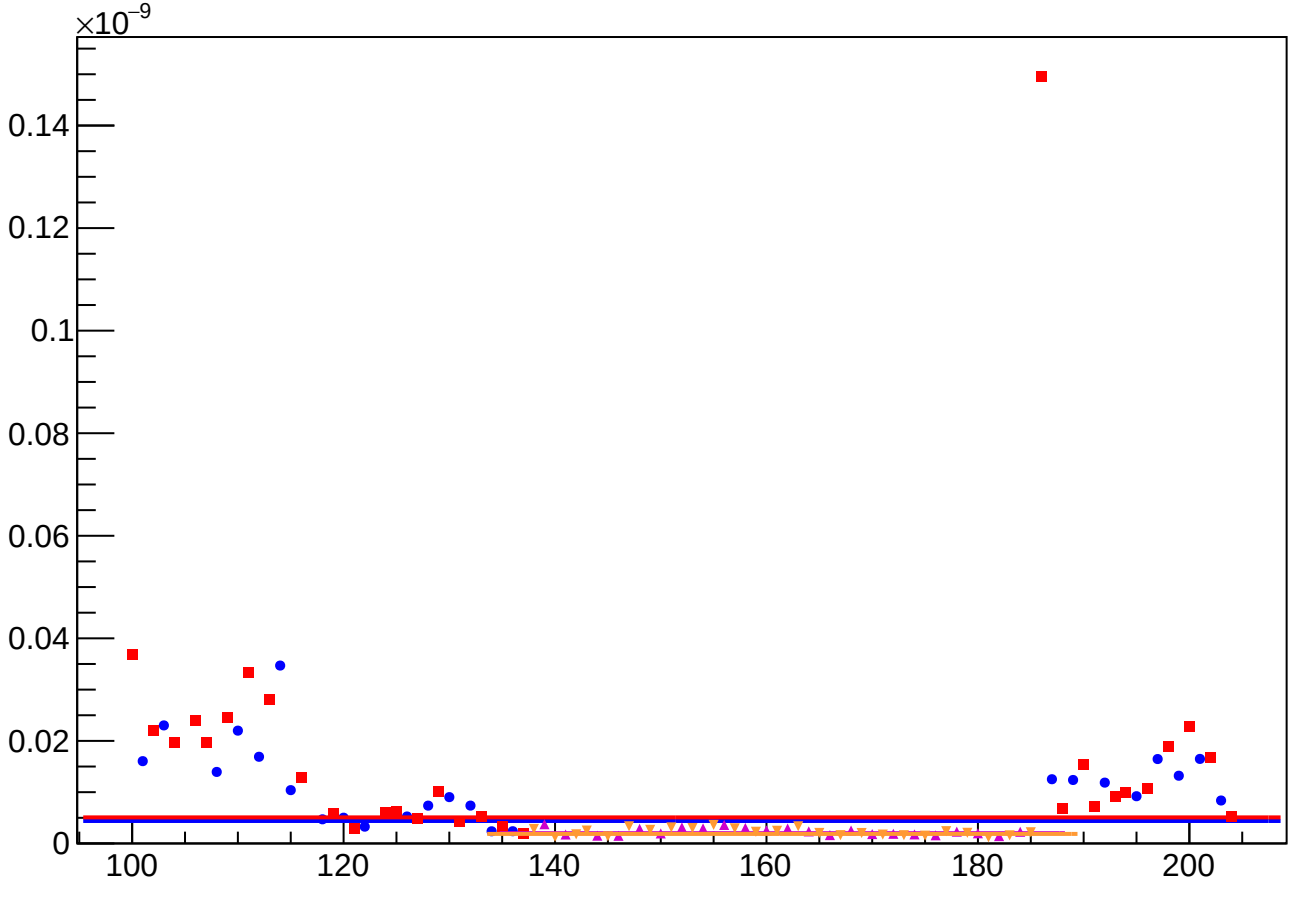
Right: -0.000+/-0.000 χ^2/NDF: 46.3/53

In: 0.000+/-0.000 χ^2/NDF:61.5/46

Out: -0.000+/-0.000 χ^2/NDF:45.8/54

All: 0.000+/-0.000 χ^2/NDF: 109.1/101

asym_sam_37_26_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 6636816.1/23

Left Out: 0.000+/-0.000 χ^2/NDF:2645485.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7716899.4/29

Left In: 0.000+/-0.000 χ^2/NDF:1948585.8/22

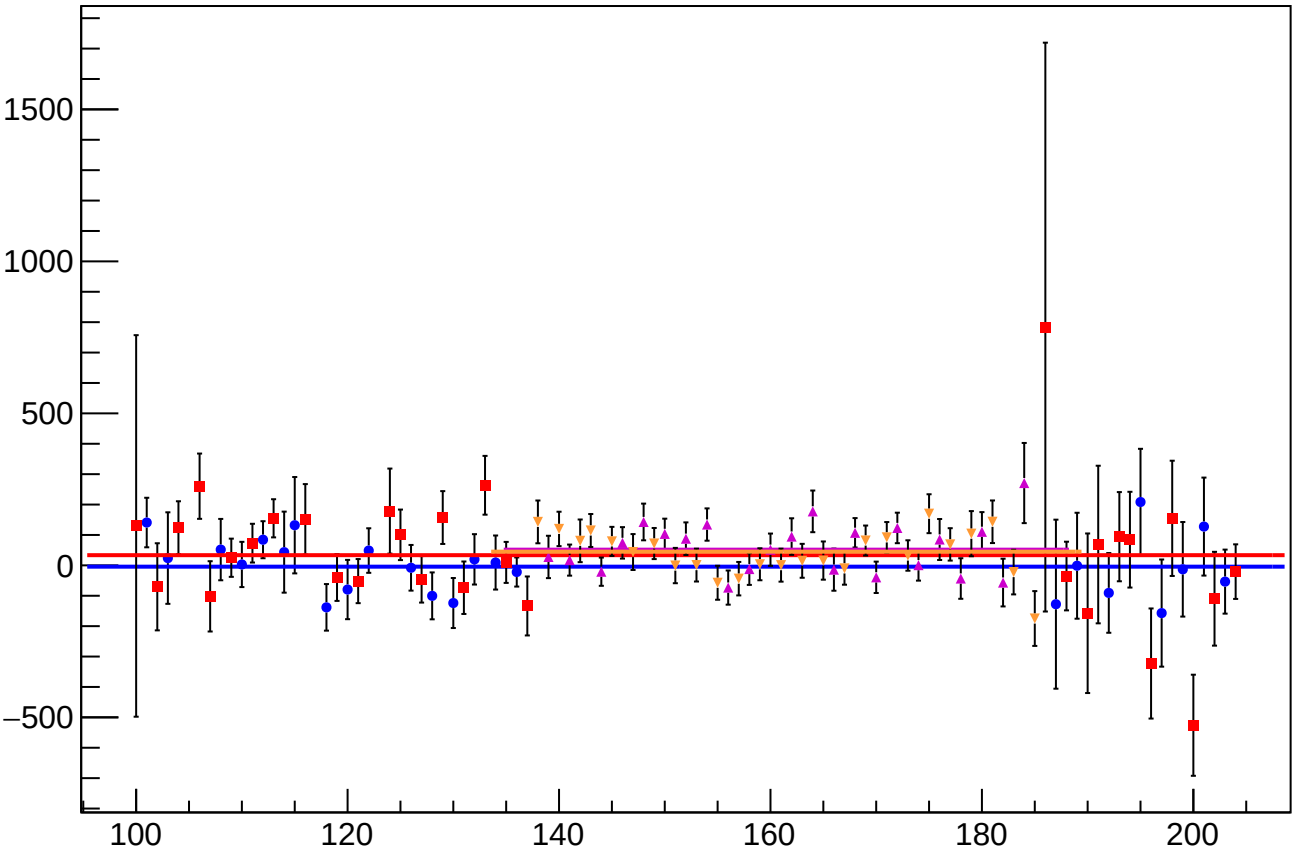
Left: 0.000+/-0.000 χ^2/NDF: 4661169.2/47

Right: 0.000+/-0.000 χ^2/NDF: 14474071.4/53

In: 0.000+/-0.000 χ^2/NDF:11323998.2/46

Out: 0.000+/-0.000 χ^2/NDF:14835505.7/54

All: 0.000+/-0.000 χ^2/NDF: 26227746.0/101



Right In: -4.299+/-18.764 χ^2/NDF: 18.3/23

Left Out: 45.093+/-11.495 χ^2/NDF:31.3/24

Right Out: 33.503+/-18.096 χ^2/NDF: 48.7/29

Left In: 51.616+/-11.929 χ^2/NDF:35.9/22

Left: 48.233+/-8.277 χ^2/NDF: 67.4/47

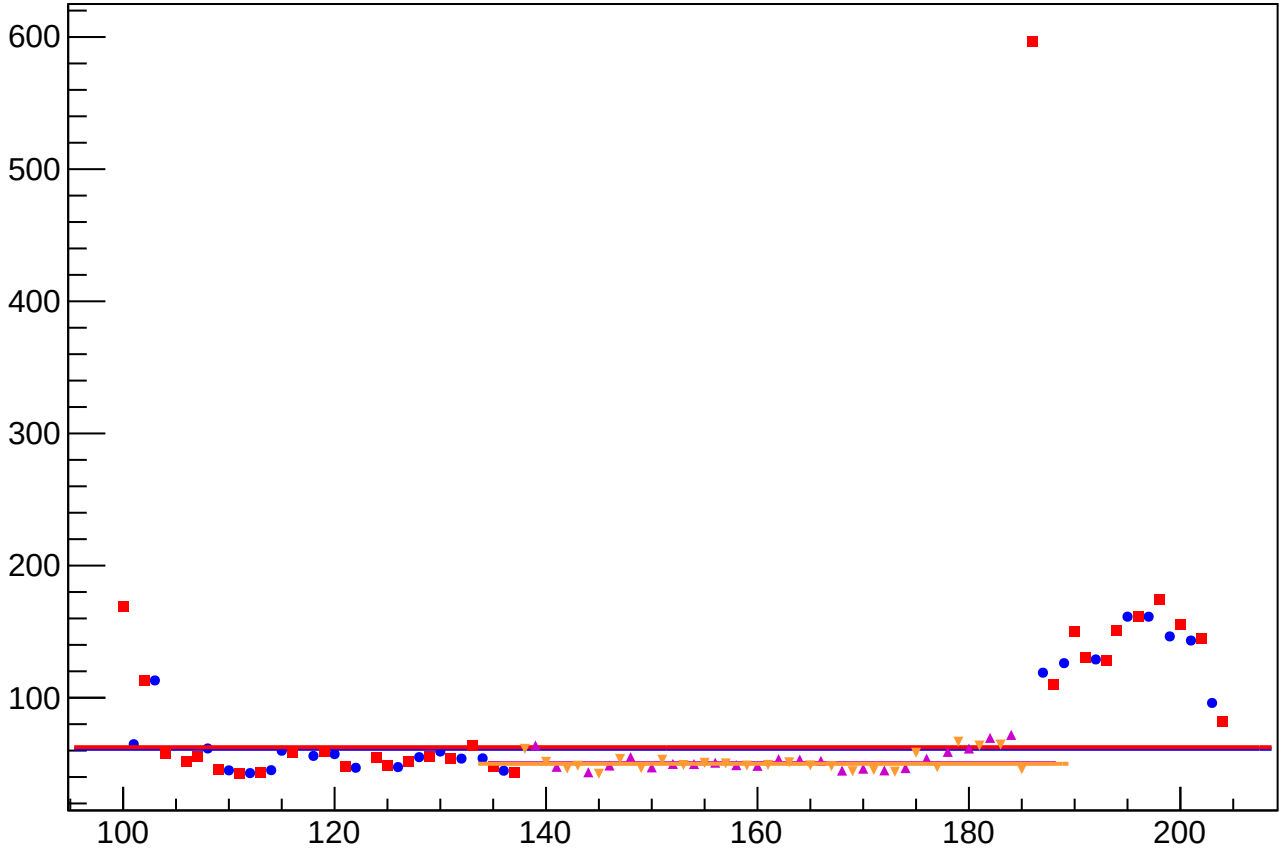
Right: 15.286+/-13.026 χ^2/NDF: 69.2/53

In: 35.522+/-10.067 χ^2/NDF:60.5/46

Out: 41.761+/-9.703 χ^2/NDF:80.3/54

All: 38.756+/-6.986 χ^2/NDF: 141.1/101

reg_asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 61.361+/-0.013 χ^2/NDF: 4511798.3/23

Left Out: 50.021+/-0.008 χ^2/NDF:509100.0/24

Right Out: 62.557+/-0.013 χ^2/NDF: 6235262.2/29

Left In: 50.512+/-0.008 χ^2/NDF:503409.2/22

Left: 50.258+/-0.006 χ^2/NDF: 1014266.6/47

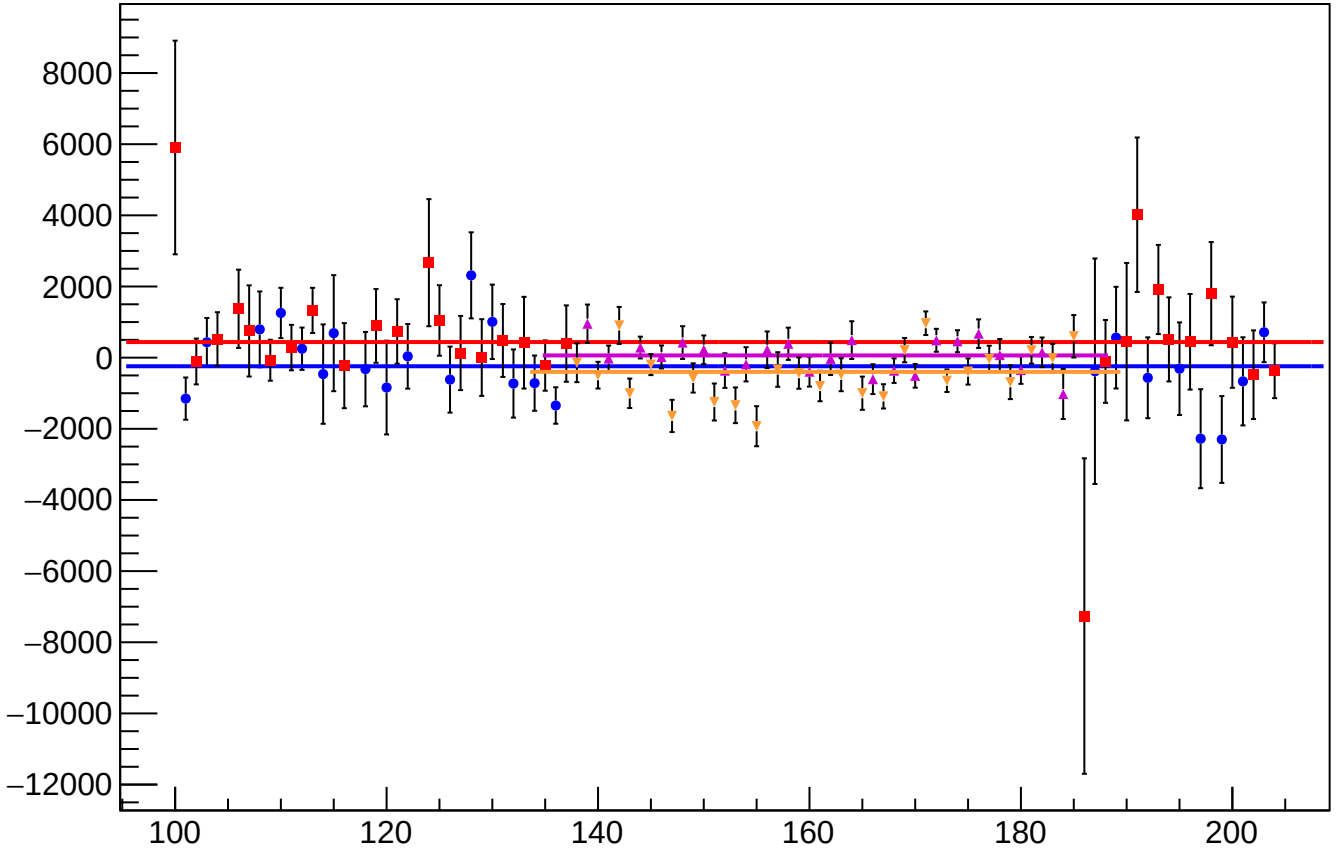
Right: 61.980+/-0.009 χ^2/NDF: 10751270.0/53

In: 53.635+/-0.007 χ^2/NDF:5491323.5/46

Out: 53.625+/-0.007 χ^2/NDF:7428162.7/54

All: 53.630+/-0.005 χ^2/NDF: 12919487.2/101

asym_sam_1357_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -242.219+/-186.268 χ^2/NDF: 28.2/23

Left Out: -399.363+/-82.064 χ^2/NDF:65.4/24

Right Out: 438.398+/-180.856 χ^2/NDF: 21.2/29

Left In: 62.038+/-83.892 χ^2/NDF:23.9/22

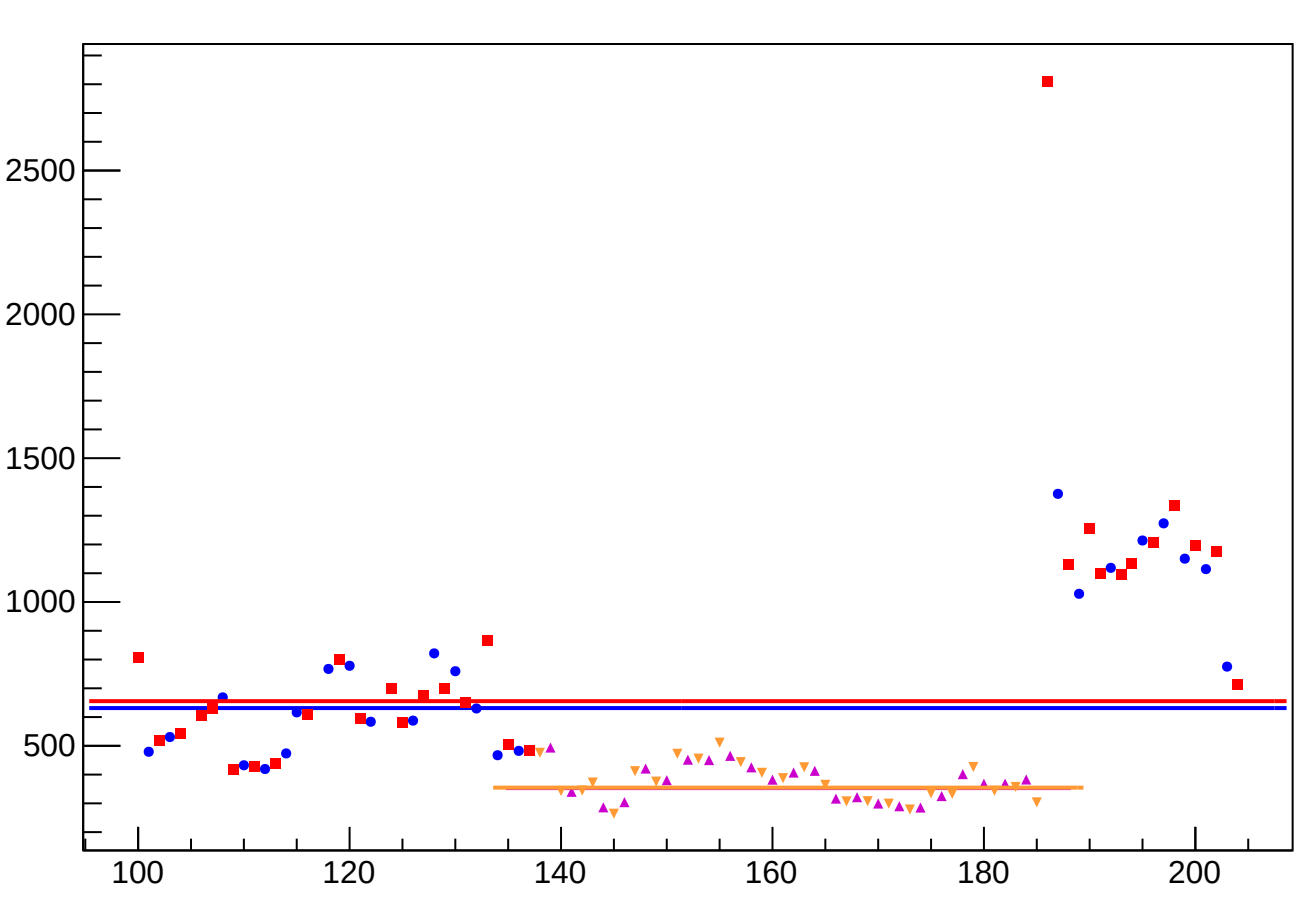
Left: -173.746+/-58.664 χ^2/NDF: 104.8/47

Right: 108.120+/-129.756 χ^2/NDF: 56.3/53

In: 10.729+/-76.492 χ^2/NDF:54.4/46

Out: -256.327+/-74.730 χ^2/NDF:104.4/54

All: -125.910+/-53.454 χ^2/NDF: 165.0/101



Right In: 631.253+/-0.132 χ^2/NDF: 3206373.5/23

Left Out: 354.670+/-0.058 χ^2/NDF:1145465.6/24

Right Out: 655.322+/-0.128 χ^2/NDF: 4352452.3/29

Left In: 353.110+/-0.059 χ^2/NDF:1004127.0/22

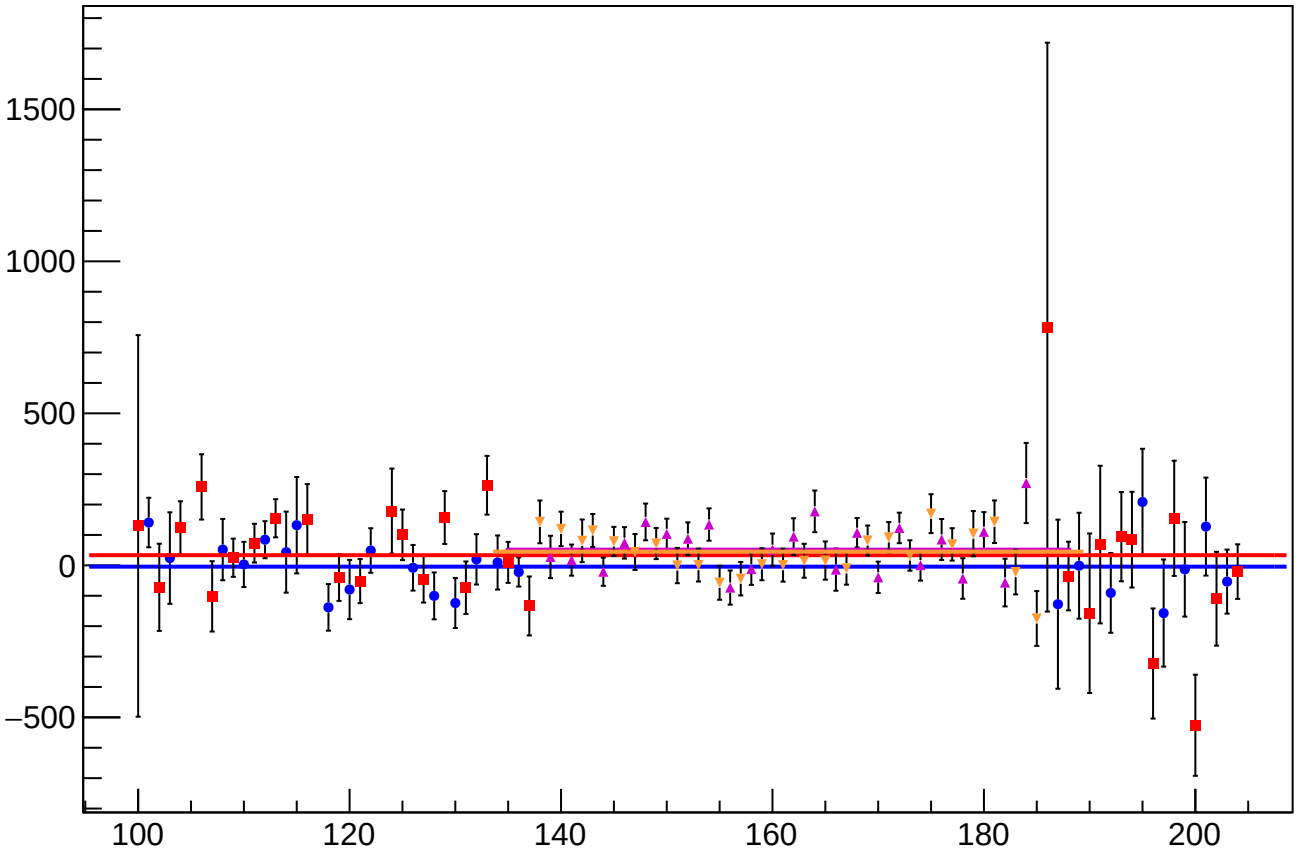
Left: 353.907+/-0.041 χ^2/NDF: 2149946.0/47

Right: 643.642+/-0.092 χ^2/NDF: 7576015.5/53

In: 400.016+/-0.054 χ^2/NDF:7917978.2/46

Out: 406.002+/-0.053 χ^2/NDF:10081270.1/54

All: 403.079+/-0.038 χ^2/NDF: 18005516.2/10



Right In: -4.302+/-18.764 χ^2/NDF: 18.3/23

Left Out: 45.096+/-11.495 χ^2/NDF:31.3/24

Right Out: 33.404+/-18.097 χ^2/NDF: 48.6/29

Left In: 51.616+/-11.929 χ^2/NDF:35.8/22

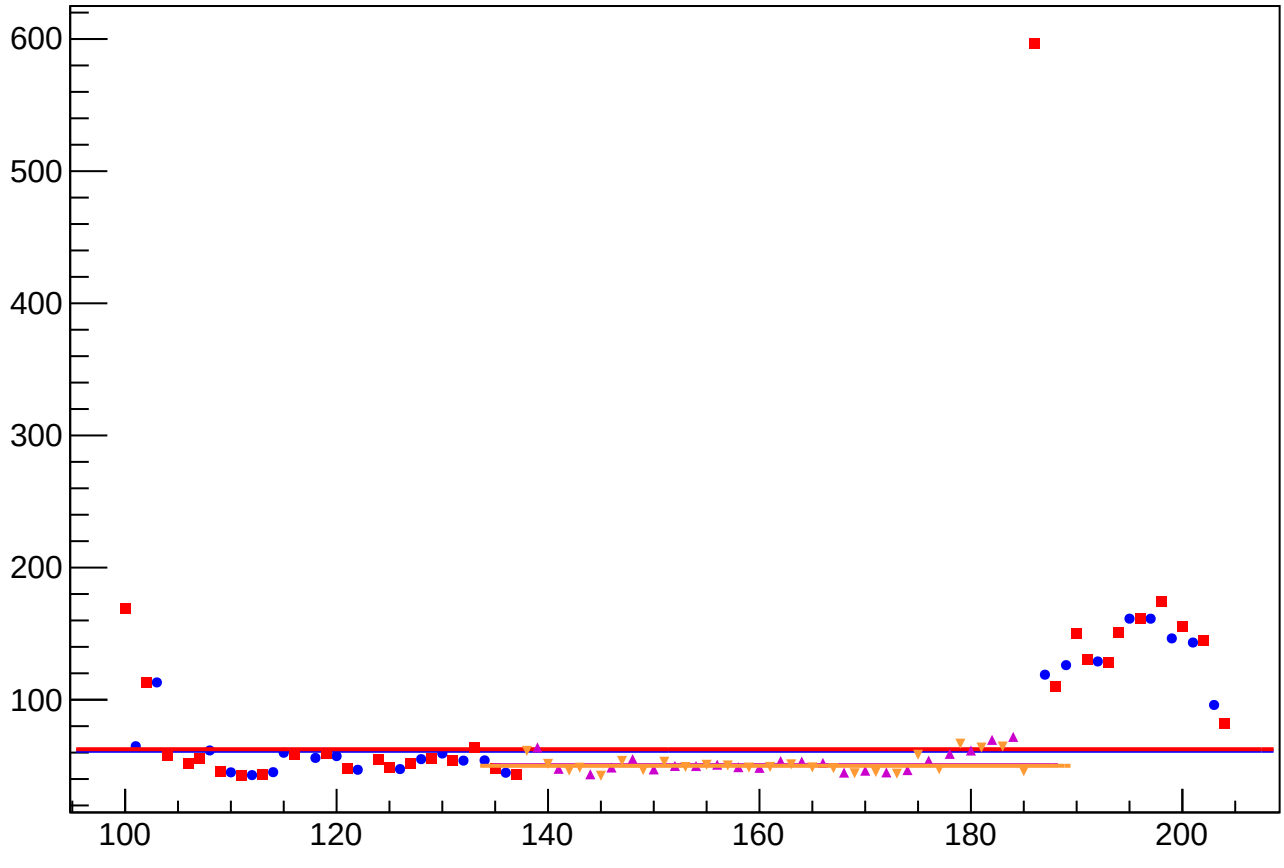
Left: 48.235+/-8.277 χ^2/NDF: 67.3/47

Right: 15.233+/-13.026 χ^2/NDF: 69.1/53

In: 35.521+/-10.067 χ^2/NDF:60.5/46

Out: 41.735+/-9.703 χ^2/NDF:80.3/54

All: 38.742+/-6.986 χ^2/NDF: 141.0/101



Right In: 61.361+/-0.013 χ^2/NDF: 4511800.7/23

Left Out: 50.021+/-0.008 χ^2/NDF:509100.0/24

Right Out: 62.548+/-0.013 χ^2/NDF: 6236627.8/29

Left In: 50.512+/-0.008 χ^2/NDF:503409.2/22

Left: 50.258+/-0.006 χ^2/NDF: 1014266.6/47

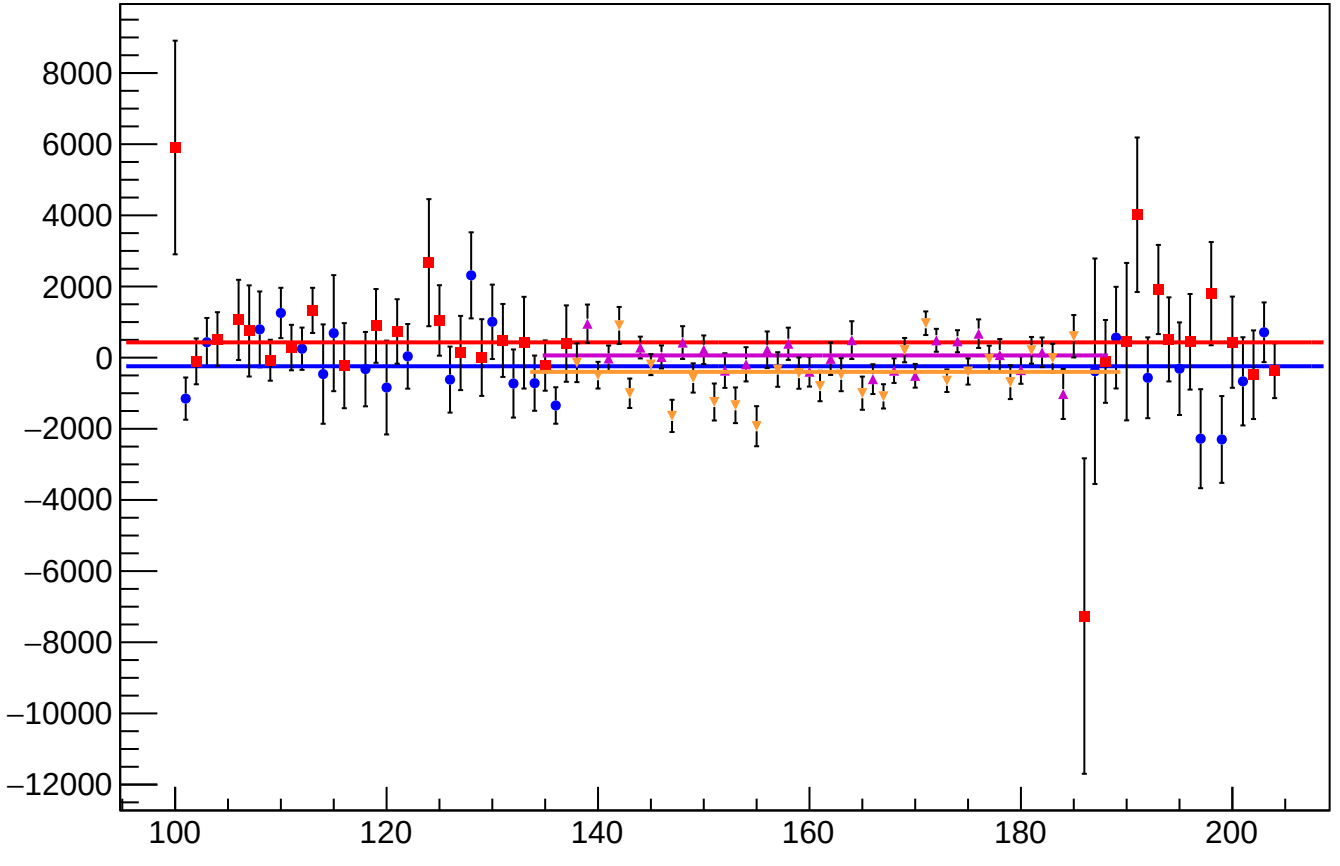
Right: 61.976+/-0.009 χ^2/NDF: 10752579.8/53

In: 53.635+/-0.007 χ^2/NDF:5491325.8/46

Out: 53.622+/-0.007 χ^2/NDF:7428603.9/54

All: 53.628+/-0.005 χ^2/NDF: 12919931.2/101

asym_sam_1357_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -242.201+/-186.270 χ^2/NDF: 28.2/23

Left Out: -399.358+/-82.064 χ^2/NDF:65.4/24

Right Out: 429.441+/-180.991 χ^2/NDF: 20.7/29

Left In: 62.038+/-83.892 χ^2/NDF:23.9/22

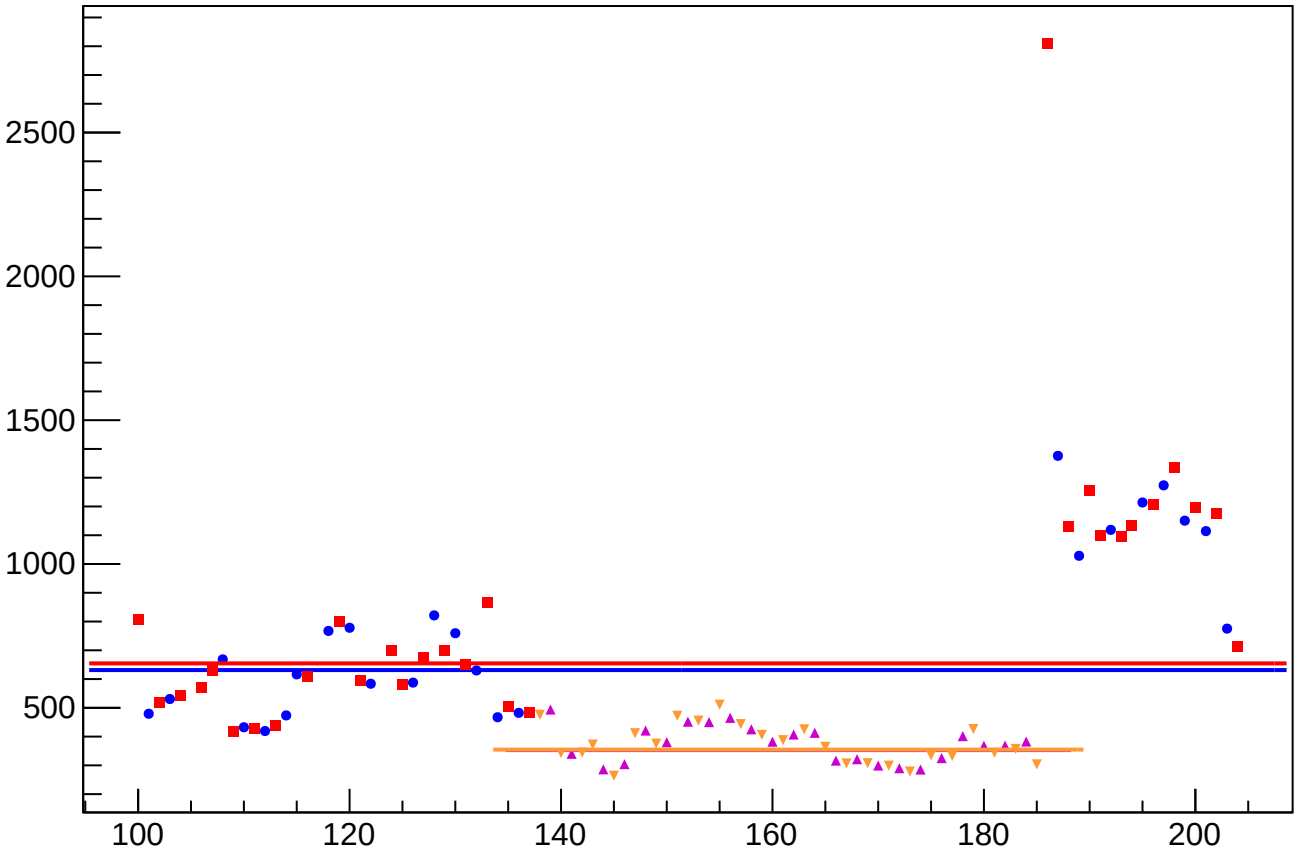
Left: -173.744+/-58.664 χ^2/NDF: 104.8/47

Right: 103.271+/-129.806 χ^2/NDF: 55.7/53

In: 10.732+/-76.492 χ^2/NDF:54.4/46

Out: -258.027+/-74.740 χ^2/NDF:103.5/54

All: -126.761+/-53.458 χ^2/NDF: 164.2/101



Right In: 631.259+/-0.132 χ^2/NDF: 3206316.8/23

Left Out: 354.670+/-0.058 χ^2/NDF:1145468.3/24

Right Out: 654.533+/-0.128 χ^2/NDF: 4358875.5/29

Left In: 353.110+/-0.059 χ^2/NDF:1004126.9/22

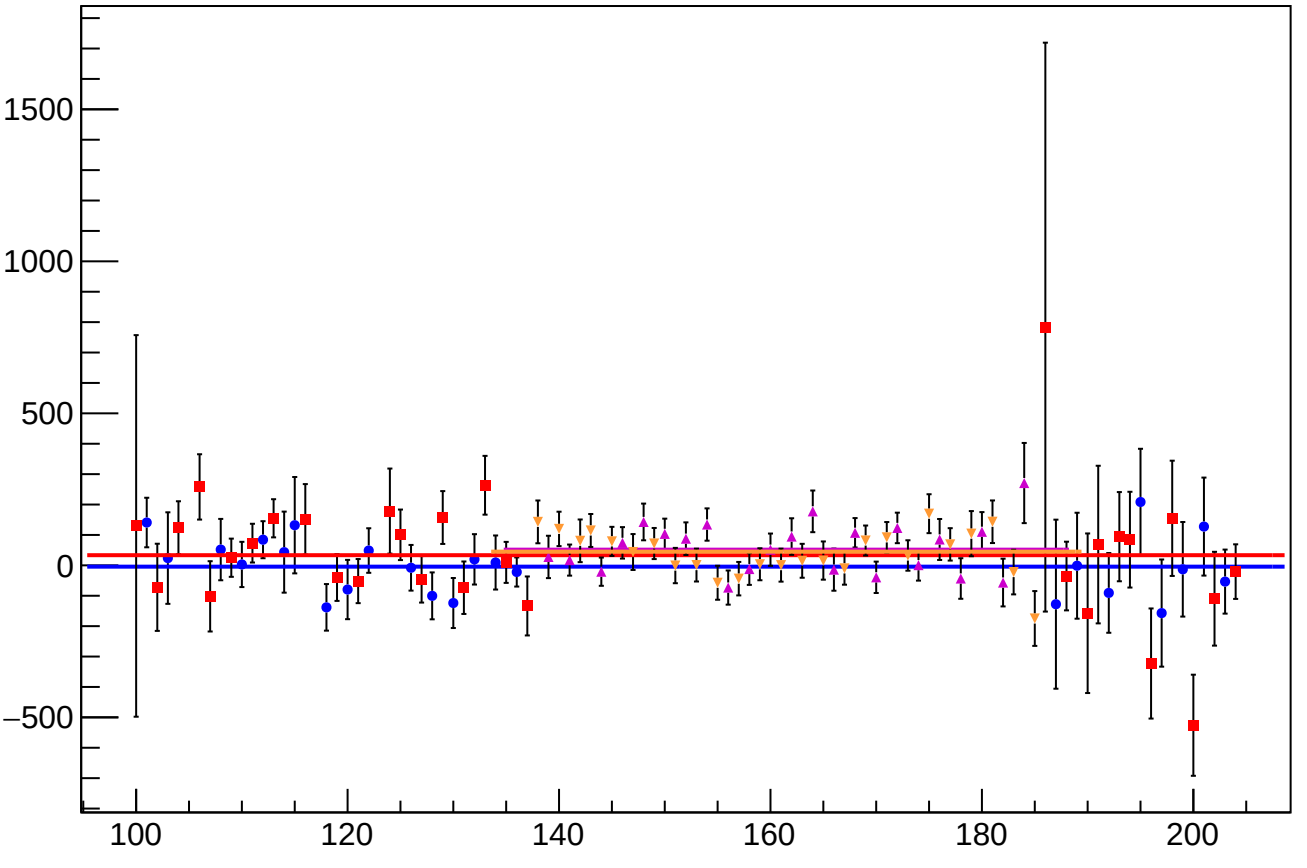
Left: 353.907+/-0.041 χ^2/NDF: 2149948.5/47

Right: 643.230+/-0.092 χ^2/NDF: 7581252.9/53

In: 400.016+/-0.054 χ^2/NDF:7918027.8/46

Out: 405.804+/-0.053 χ^2/NDF:10058037.2/54

All: 402.977+/-0.038 χ^2/NDF: 17981923.5/10



Right In: -4.302+/-18.764 χ^2/NDF: 18.3/23

Left Out: 45.096+/-11.495 χ^2/NDF:31.3/24

Right Out: 33.404+/-18.097 χ^2/NDF: 48.6/29

Left In: 51.616+/-11.929 χ^2/NDF:35.8/22

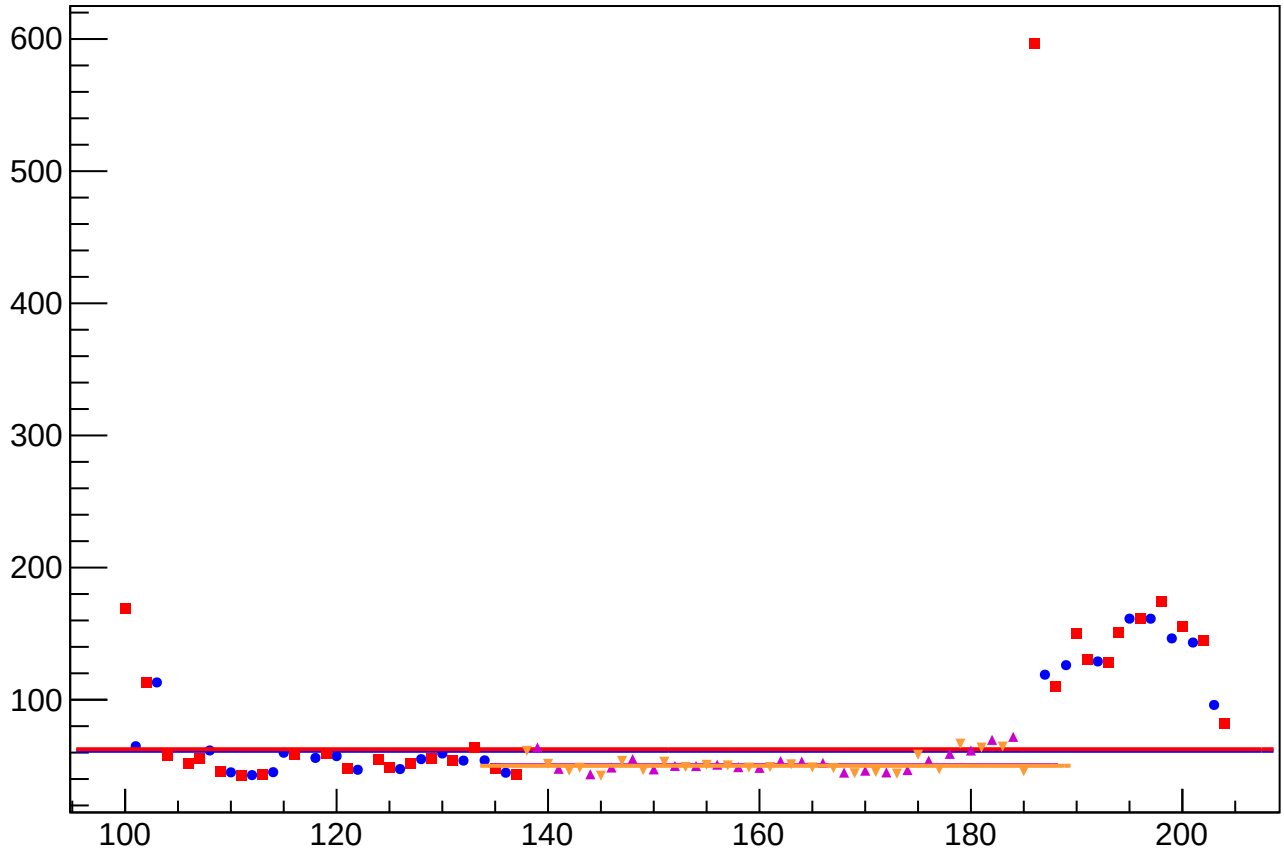
Left: 48.235+/-8.277 χ^2/NDF: 67.3/47

Right: 15.233+/-13.026 χ^2/NDF: 69.1/53

In: 35.521+/-10.067 χ^2/NDF:60.5/46

Out: 41.735+/-9.703 χ^2/NDF:80.3/54

All: 38.742+/-6.986 χ^2/NDF: 141.0/101



Right In: 61.361+/-0.013 χ^2/NDF: 4511800.7/23

Left Out: 50.021+/-0.008 χ^2/NDF:509100.0/24

Right Out: 62.548+/-0.013 χ^2/NDF: 6236627.8/29

Left In: 50.512+/-0.008 χ^2/NDF:503409.2/22

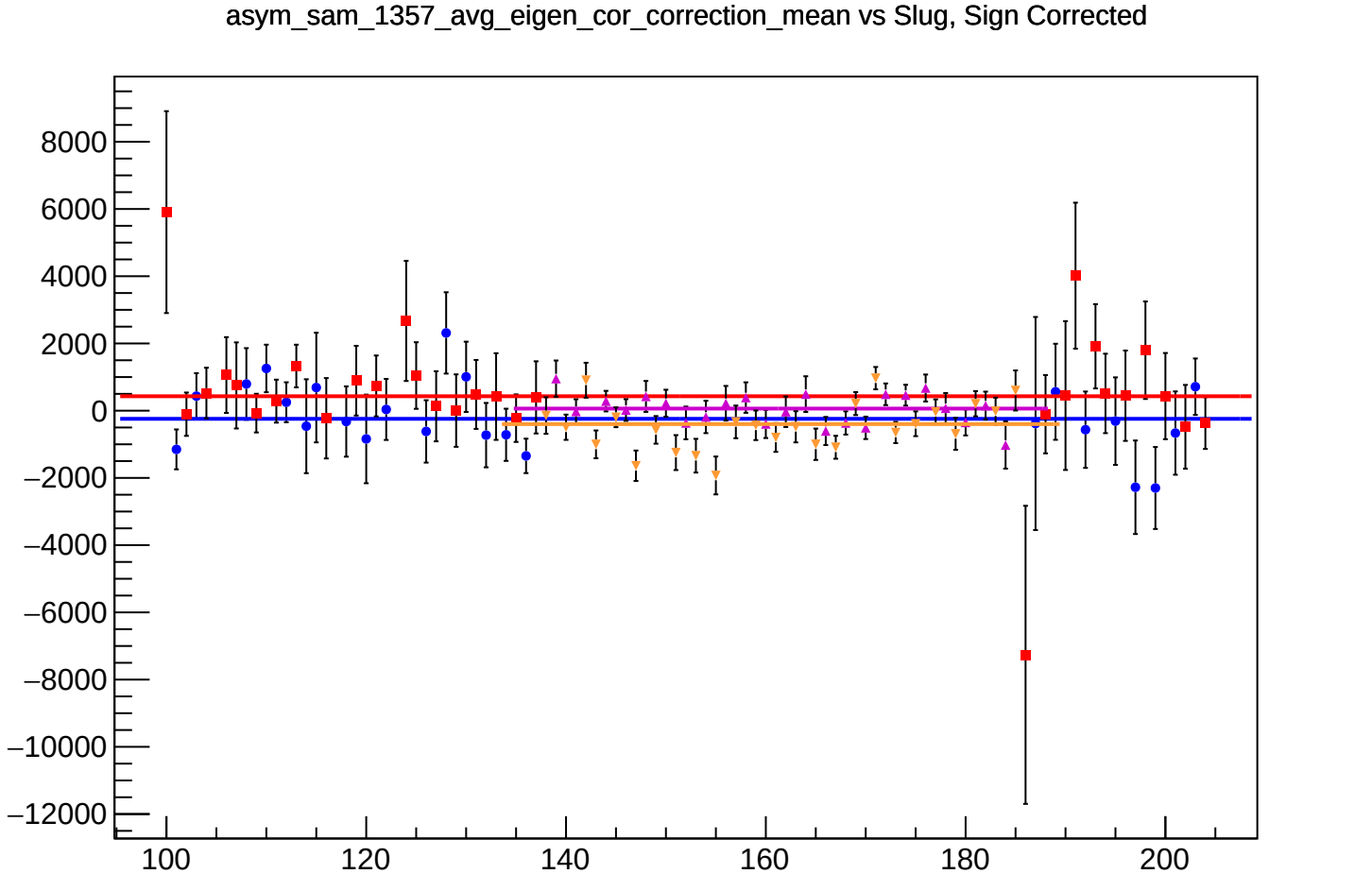
Left: 50.258+/-0.006 χ^2/NDF: 1014266.6/47

Right: 61.976+/-0.009 χ^2/NDF: 10752579.8/53

In: 53.635+/-0.007 χ^2/NDF:5491325.8/46

Out: 53.622+/-0.007 χ^2/NDF:7428603.9/54

All: 53.628+/-0.005 χ^2/NDF: 12919931.2/101



Right In: -242.201+/-186.270 χ^2/NDF: 28.2/23

Left Out: -399.358+/-82.064 χ^2/NDF:65.4/24

Right Out: 429.441+/-180.991 χ^2/NDF: 20.7/29

Left In: 62.038+/-83.892 χ^2/NDF:23.9/22

Left: -173.744+/-58.664 χ^2/NDF: 104.8/47

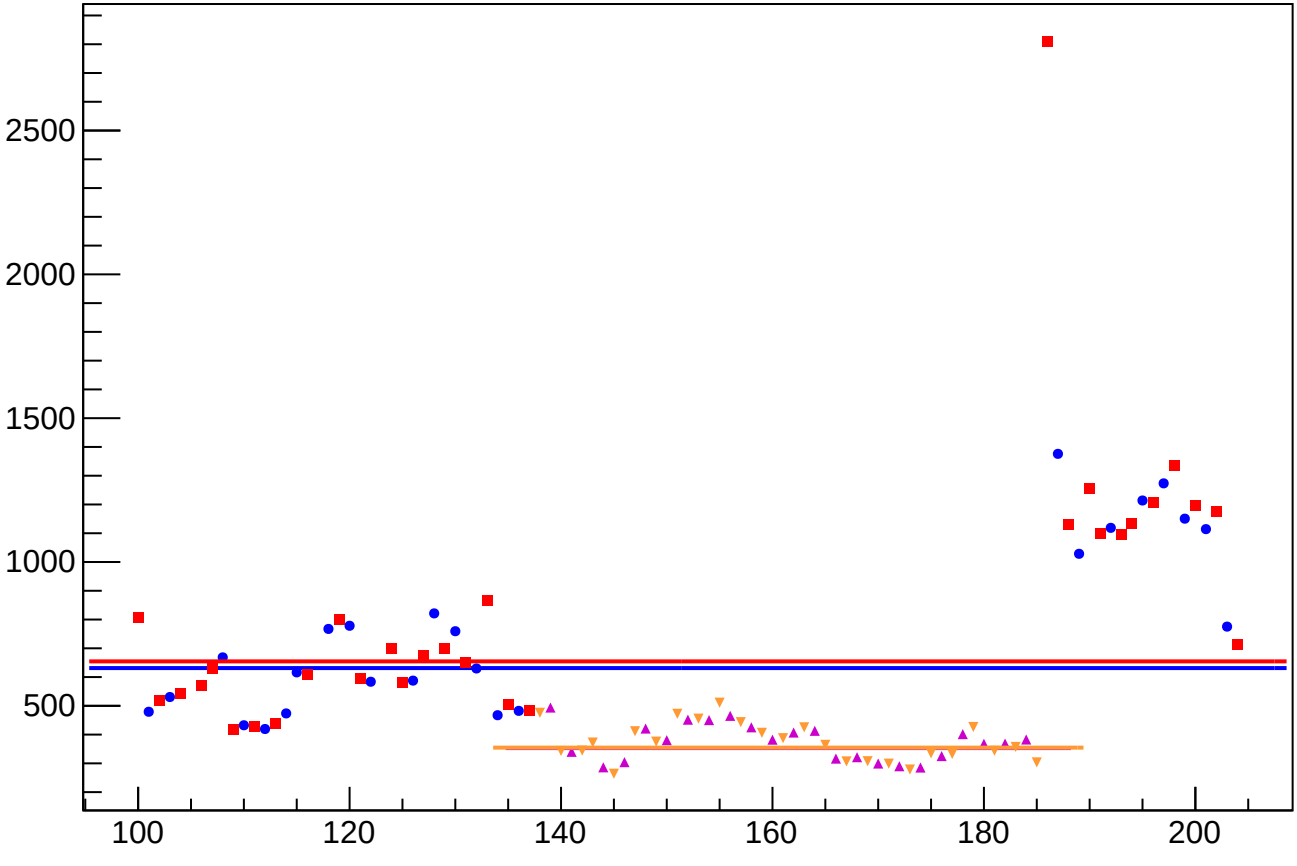
Right: 103.271+/-129.806 χ^2/NDF: 55.7/53

In: 10.732+/-76.492 χ^2/NDF:54.4/46

Out: -258.027+/-74.740 χ^2/NDF:103.5/54

All: -126.761+/-53.458 χ^2/NDF: 164.2/101

asym_sam_1357_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 631.259+/-0.132 χ^2/NDF: 3206316.8/23

Left Out: 354.670+/-0.058 χ^2/NDF:1145468.3/24

Right Out: 654.533+/-0.128 χ^2/NDF: 4358875.5/29

Left In: 353.110+/-0.059 χ^2/NDF:1004126.9/22

Left: 353.907+/-0.041 χ^2/NDF: 2149948.5/47

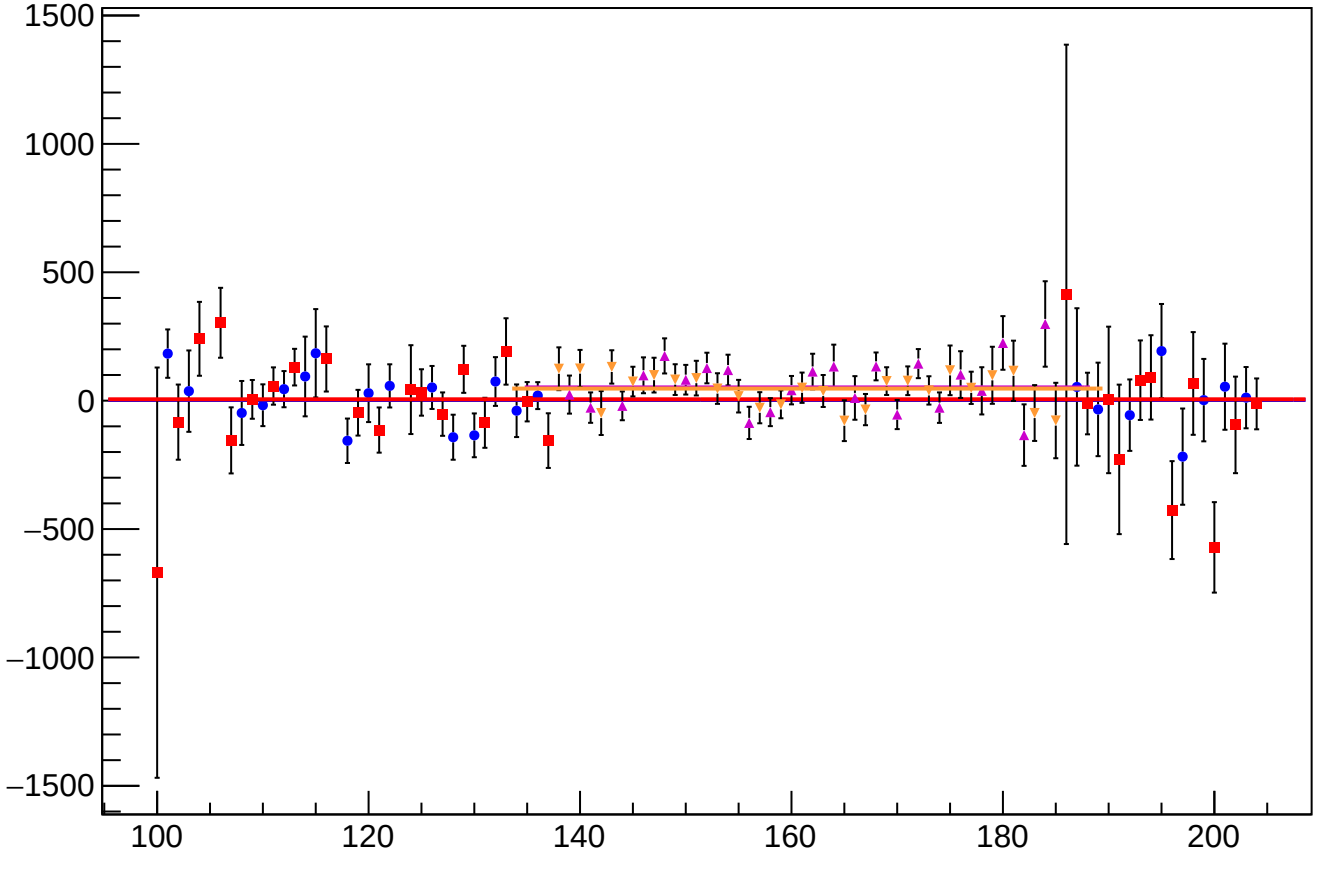
Right: 643.230+/-0.092 χ^2/NDF: 7581252.9/53

In: 400.016+/-0.054 χ^2/NDF:7918027.8/46

Out: 405.804+/-0.053 χ^2/NDF:10058037.2/54

All: 402.977+/-0.038 χ^2/NDF: 17981923.5/10

dit_asym_sam_1357_avg_mean vs Slug, Sign Corrected



Right In: 2.692+/-20.969 χ^2/NDF: 19.0/23

Left Out: 47.151+/-13.511 χ^2/NDF:17.0/24

Right Out: 5.297+/-20.773 χ^2/NDF: 42.5/29

Left In: 51.652+/-13.934 χ^2/NDF:38.2/22

Left: 49.332+/-9.700 χ^2/NDF: 55.2/47

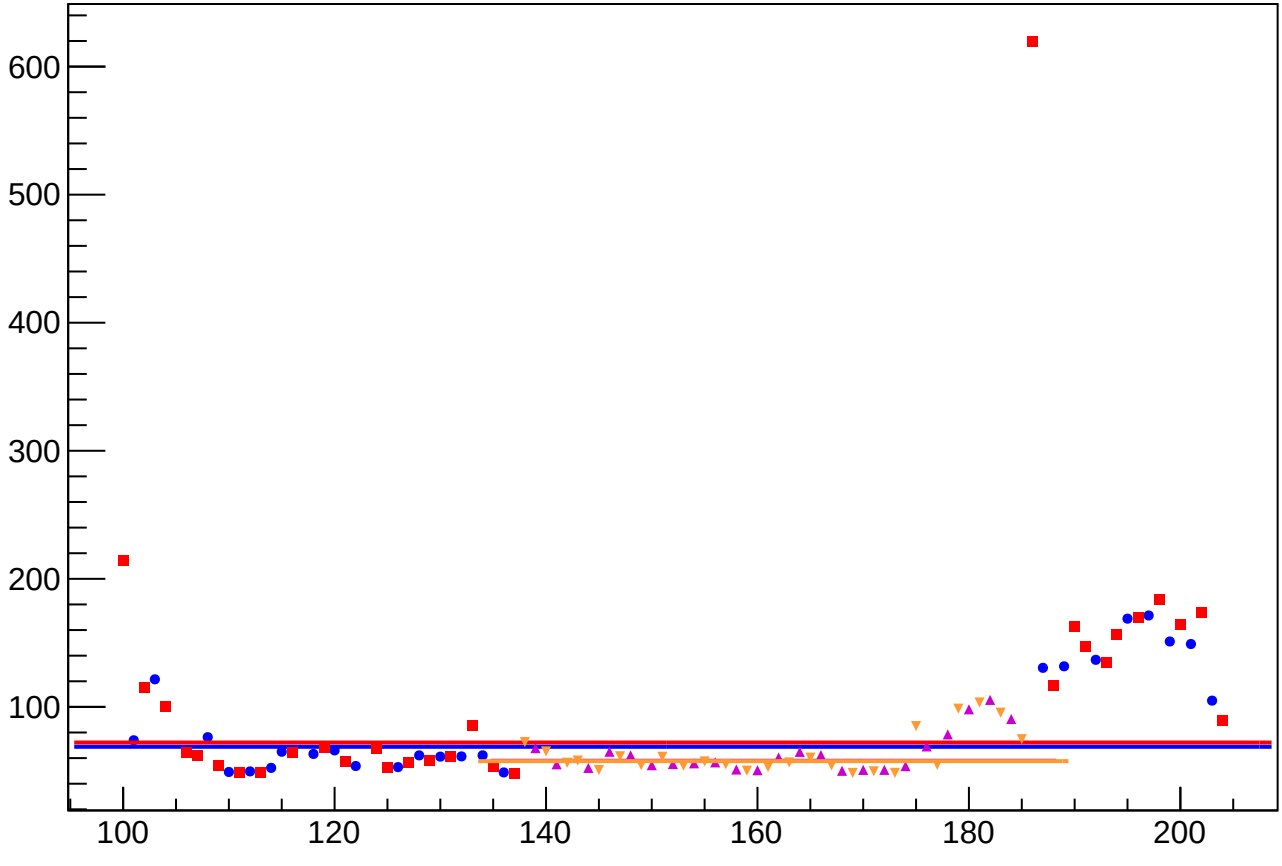
Right: 4.007+/-14.758 χ^2/NDF: 61.5/53

In: 36.656+/-11.605 χ^2/NDF:60.9/46

Out: 34.709+/-11.326 χ^2/NDF:62.3/54

All: 35.659+/-8.106 χ^2/NDF: 123.3/101

dit_asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 68.843+/-0.015 χ^2/NDF: 4164951.9/23

Left Out: 57.631+/-0.010 χ^2/NDF:1365448.6/24

Right Out: 72.175+/-0.015 χ^2/NDF: 5845895.2/29

Left In: 57.940+/-0.010 χ^2/NDF:1124523.3/22

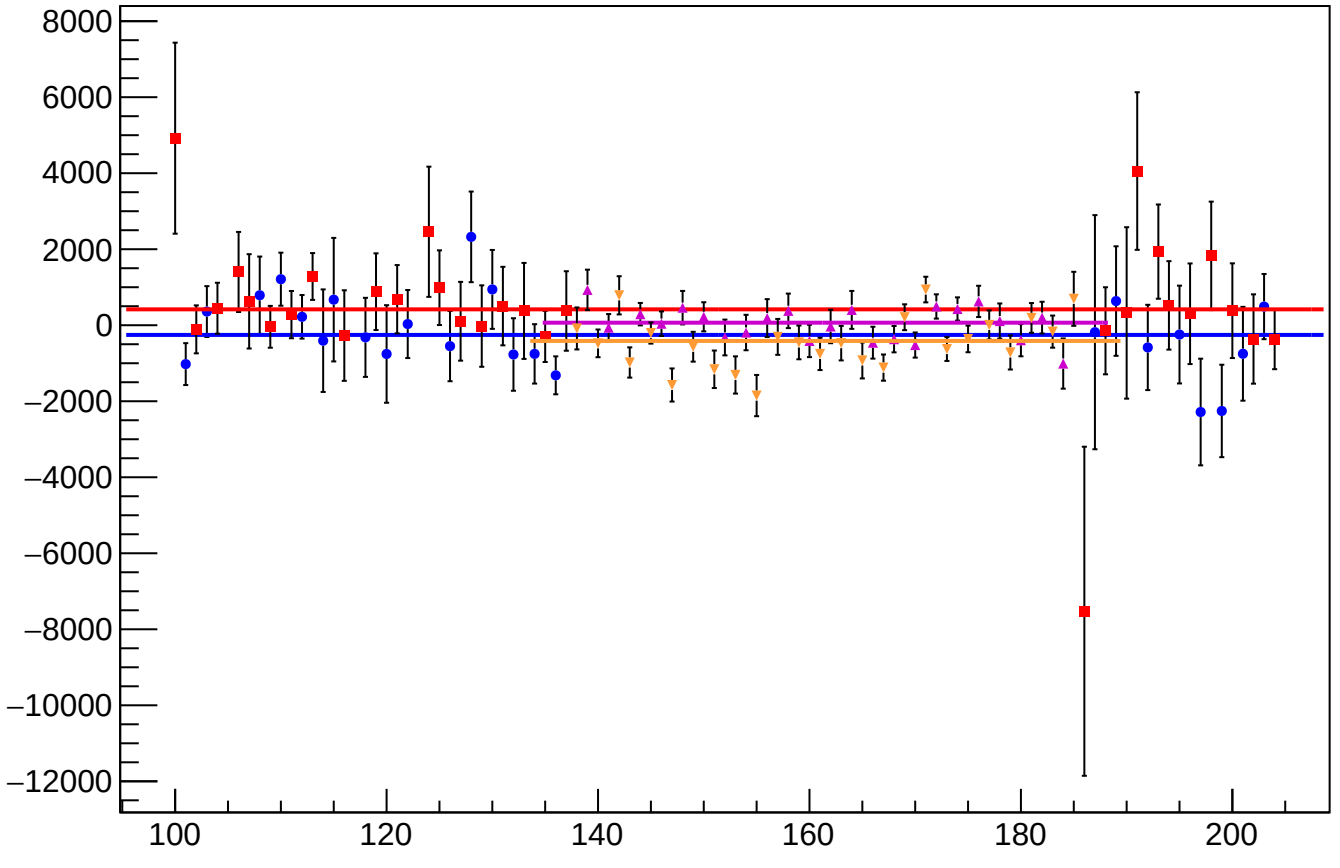
Left: 57.781+/-0.007 χ^2/NDF: 2490479.3/47

Right: 70.524+/-0.010 χ^2/NDF: 10036327.3/53

In: 61.279+/-0.008 χ^2/NDF:5664558.7/46

Out: 61.954+/-0.008 χ^2/NDF:7900244.5/54

All: 61.625+/-0.006 χ^2/NDF: 13568268.0/101



Right In: -254.858+/-182.468 χ^2/NDF: 27.1/23

Left Out: -413.053+/-81.134 χ^2/NDF:61.3/24

Right Out: 417.990+/-175.480 χ^2/NDF: 22.0/29

Left In: 66.637+/-83.082 χ^2/NDF:22.9/22

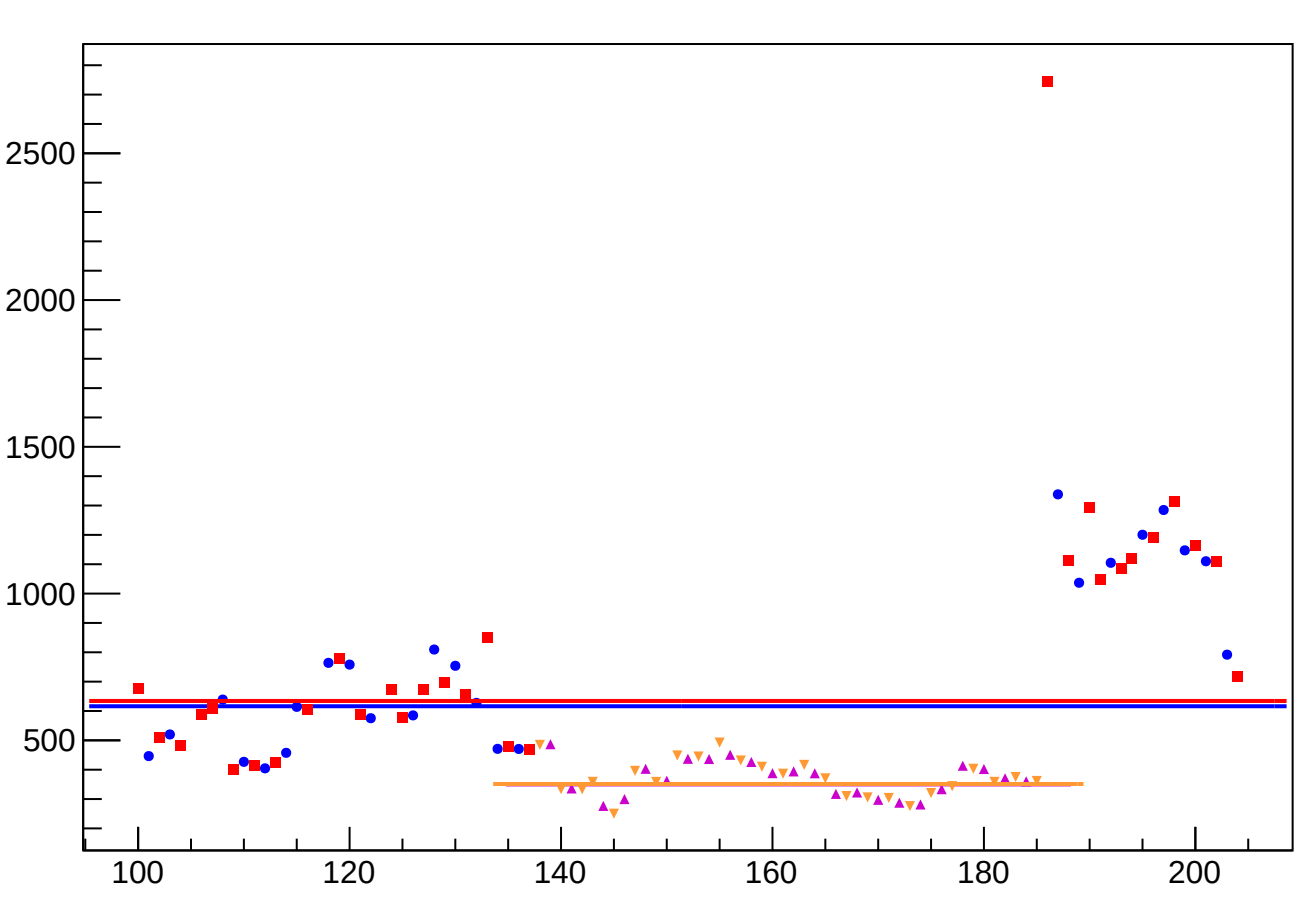
Left: -178.896+/-58.047 χ^2/NDF: 101.3/47

Right: 94.696+/-126.482 χ^2/NDF: 56.1/53

In: 11.431+/-75.613 χ^2/NDF:52.5/46

Out: -266.688+/-73.644 χ^2/NDF:101.8/54

All: -131.297+/-52.756 χ^2/NDF: 161.3/101



Right In: 616.151+/-0.129 χ^2/NDF: 3389793.2/23

Left Out: 351.264+/-0.057 χ^2/NDF:1118247.7/24

Right Out: 634.178+/-0.124 χ^2/NDF: 4515761.0/29

Left In: 349.813+/-0.059 χ^2/NDF:990366.6/22

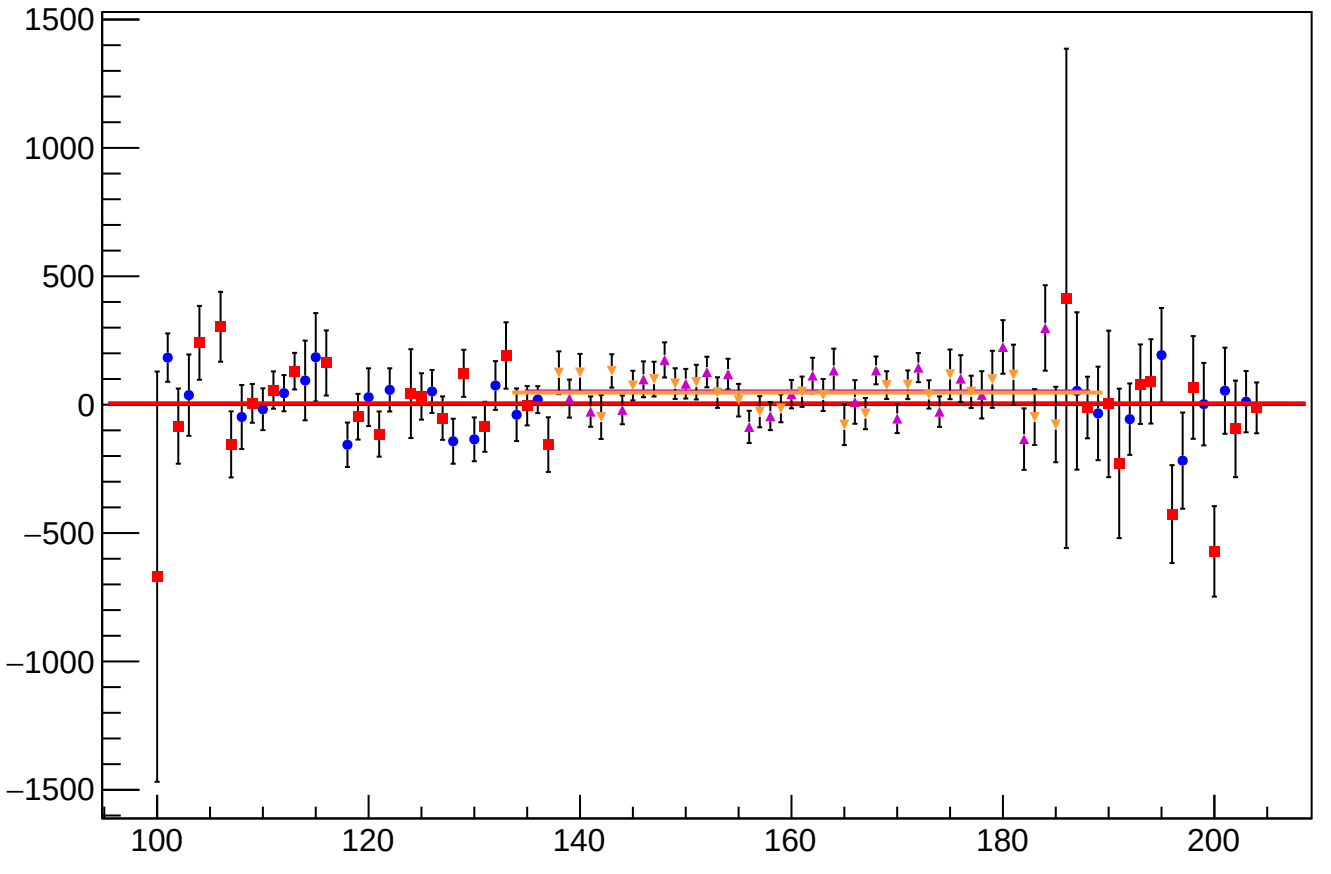
Left: 350.556+/-0.041 χ^2/NDF: 2108926.7/47

Right: 625.516+/-0.089 χ^2/NDF: 7915695.9/53

In: 395.548+/-0.053 χ^2/NDF:7909553.9/46

Out: 401.092+/-0.052 χ^2/NDF:9916969.7/54

All: 398.393+/-0.037 χ^2/NDF: 17832040.9/10



Right In: 2.692+/-20.970 χ^2/NDF: 19.0/23

Left Out: 47.151+/-13.511 χ^2/NDF:17.0/24

Right Out: 5.296+/-20.773 χ^2/NDF: 42.5/29

Left In: 51.651+/-13.934 χ^2/NDF:38.2/22

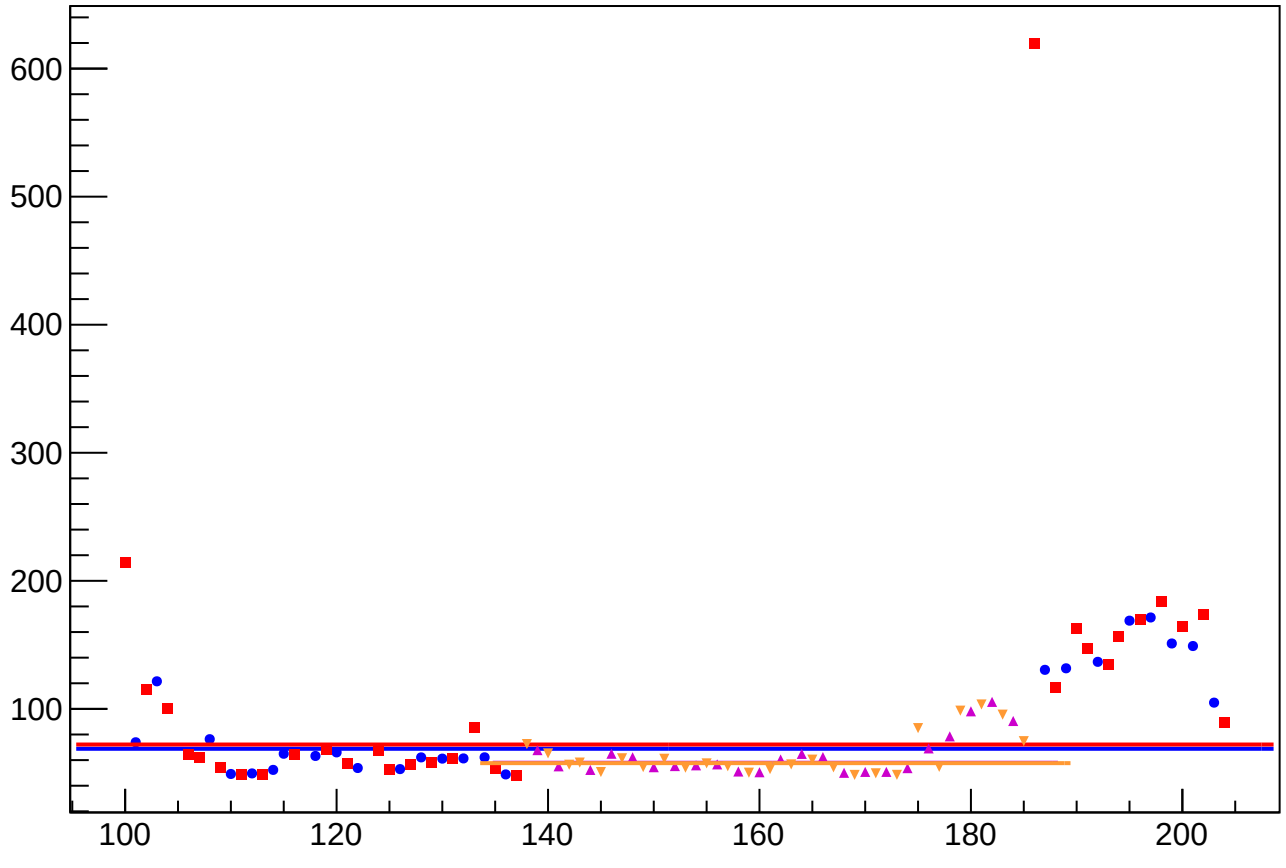
Left: 49.332+/-9.700 χ^2/NDF: 55.2/47

Right: 4.006+/-14.758 χ^2/NDF: 61.5/53

In: 36.656+/-11.605 χ^2/NDF:60.9/46

Out: 34.709+/-11.326 χ^2/NDF:62.3/54

All: 35.658+/-8.106 χ^2/NDF: 123.3/101



Right In: 68.843+/-0.015 χ^2/NDF: 4164936.0/23

Left Out: 57.631+/-0.010 χ^2/NDF:1365443.1/24

Right Out: 72.175+/-0.015 χ^2/NDF: 5845886.0/29

Left In: 57.940+/-0.010 χ^2/NDF:1124509.8/22

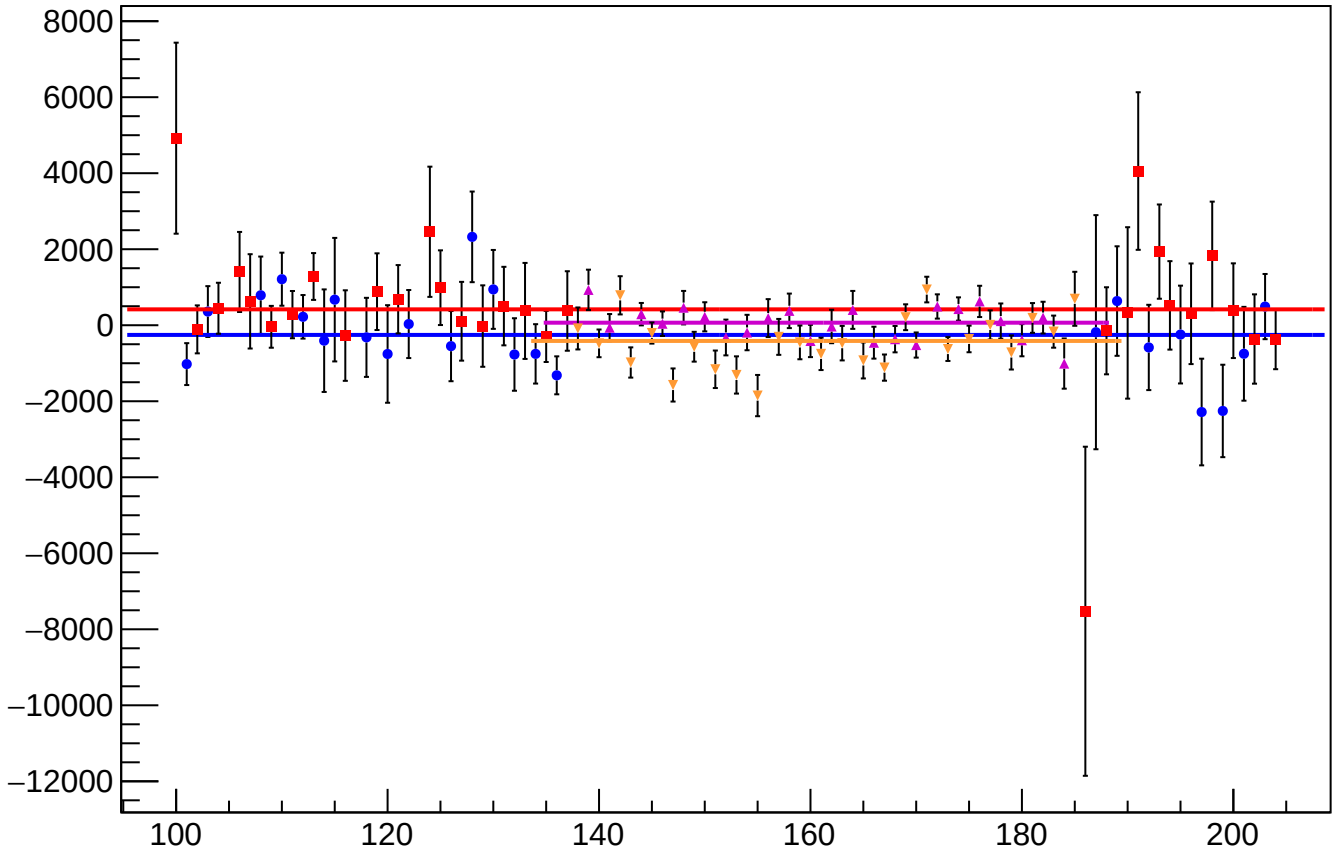
Left: 57.781+/-0.007 χ^2/NDF: 2490460.5/47

Right: 70.525+/-0.010 χ^2/NDF: 10036302.7/53

In: 61.280+/-0.008 χ^2/NDF:5664527.8/46

Out: 61.955+/-0.008 χ^2/NDF:7900232.8/54

All: 61.625+/-0.006 χ^2/NDF: 13568225.3/101



Right In: -254.858+/-182.468 χ^2/NDF: 27.1/23

Left Out: -413.053+/-81.134 χ^2/NDF:61.3/24

Right Out: 417.990+/-175.480 χ^2/NDF: 22.0/29

Left In: 66.637+/-83.082 χ^2/NDF:22.9/22

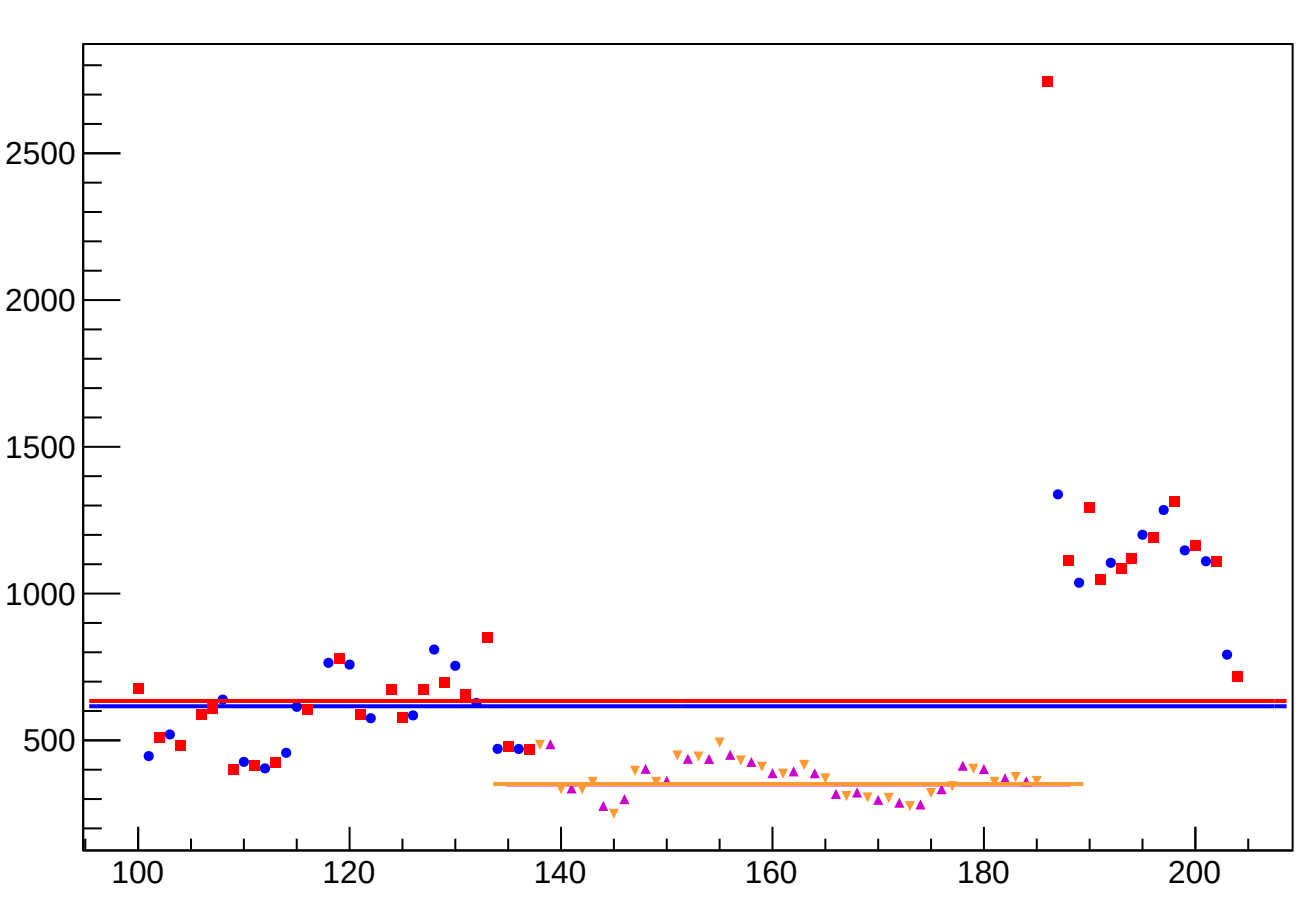
Left: -178.896+/-58.047 χ^2/NDF: 101.3/47

Right: 94.696+/-126.481 χ^2/NDF: 56.1/53

In: 11.430+/-75.613 χ^2/NDF:52.5/46

Out: -266.687+/-73.644 χ^2/NDF:101.8/54

All: -131.297+/-52.756 χ^2/NDF: 161.3/101



Right In: 616.150+/-0.129 χ^2/NDF: 3389801.0/23

Left Out: 351.264+/-0.057 χ^2/NDF:1118243.1/24

Right Out: 634.177+/-0.124 χ^2/NDF: 4515766.2/29

Left In: 349.813+/-0.059 χ^2/NDF:990359.9/22

Left: 350.555+/-0.041 χ^2/NDF: 2108915.4/47

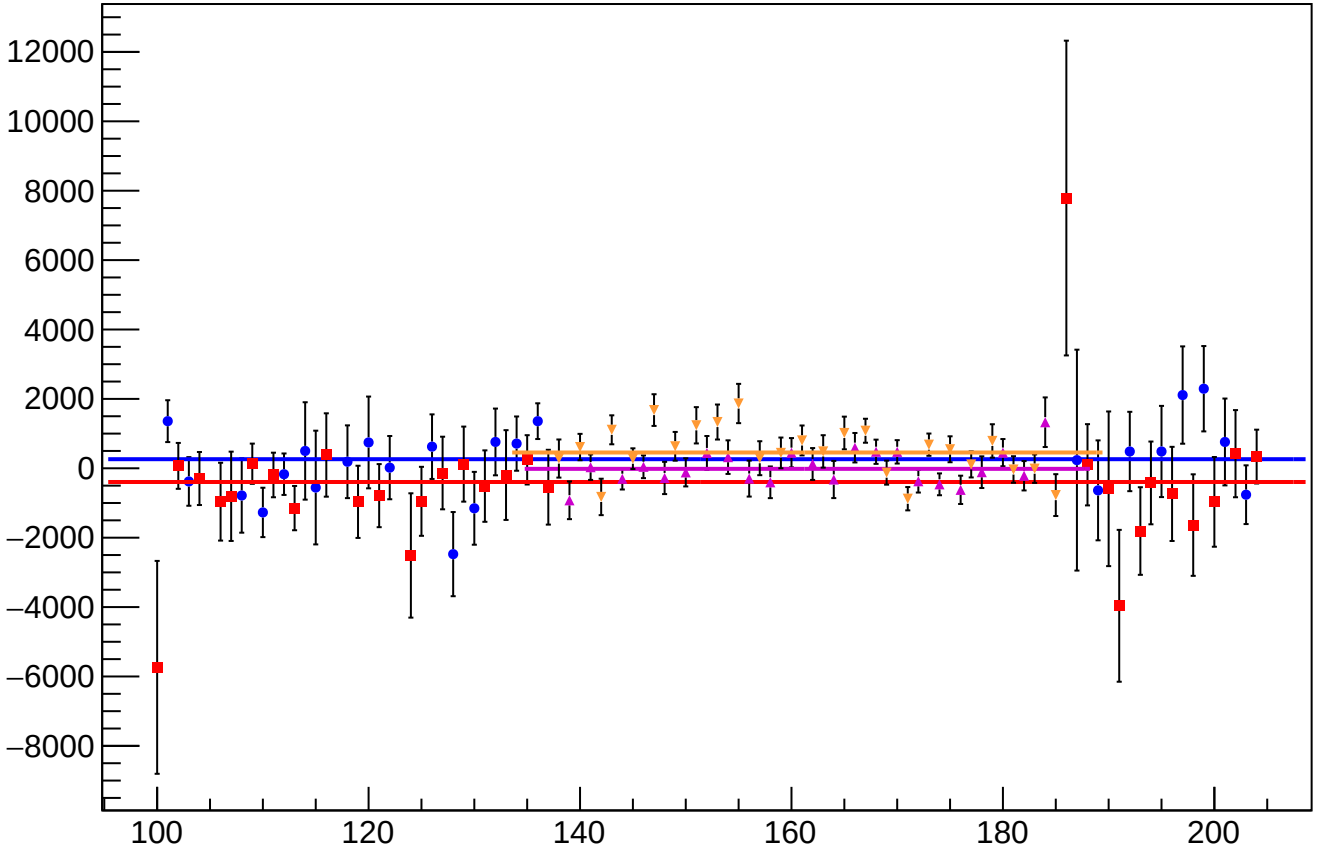
Right: 625.515+/-0.089 χ^2/NDF: 7915708.9/53

In: 395.548+/-0.053 χ^2/NDF:7909539.4/46

Out: 401.091+/-0.052 χ^2/NDF:9916957.9/54

All: 398.393+/-0.037 χ^2/NDF: 17832014.2/10

asym_sam_1357_avg_mean vs Slug, Sign Corrected



Right In: 262.271+/-187.794 χ^2/NDF: 29.5/23

Left Out: 455.234+/-82.961 χ^2/NDF:60.8/24

Right Out: -394.806+/-182.322 χ^2/NDF: 19.6/29

Left In: -16.073+/-84.830 χ^2/NDF:24.9/22

Left: 224.832+/-59.312 χ^2/NDF: 101.5/47

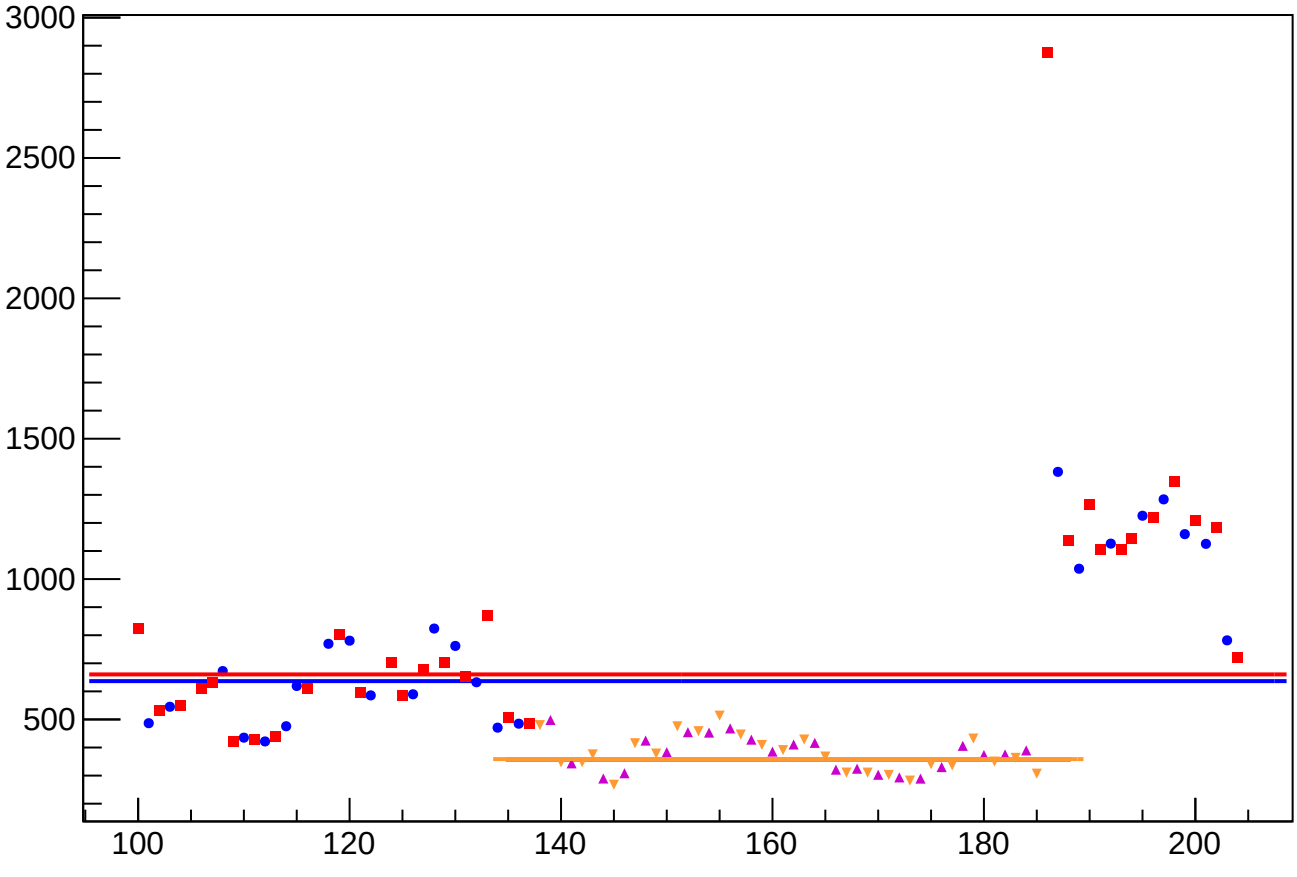
Right: -75.981+/-130.813 χ^2/NDF: 55.4/53

In: 31.098+/-77.309 χ^2/NDF:56.2/46

Out: 309.426+/-75.511 χ^2/NDF:98.5/54

All: 173.536+/-54.019 χ^2/NDF: 161.3/101

asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 636.521+/-0.133 χ^2/NDF: 3197268.4/23

Left Out: 358.677+/-0.059 χ^2/NDF:1119535.1/24

Right Out: 660.431+/-0.129 χ^2/NDF: 4351878.5/29

Left In: 357.182+/-0.060 χ^2/NDF:981641.8/22

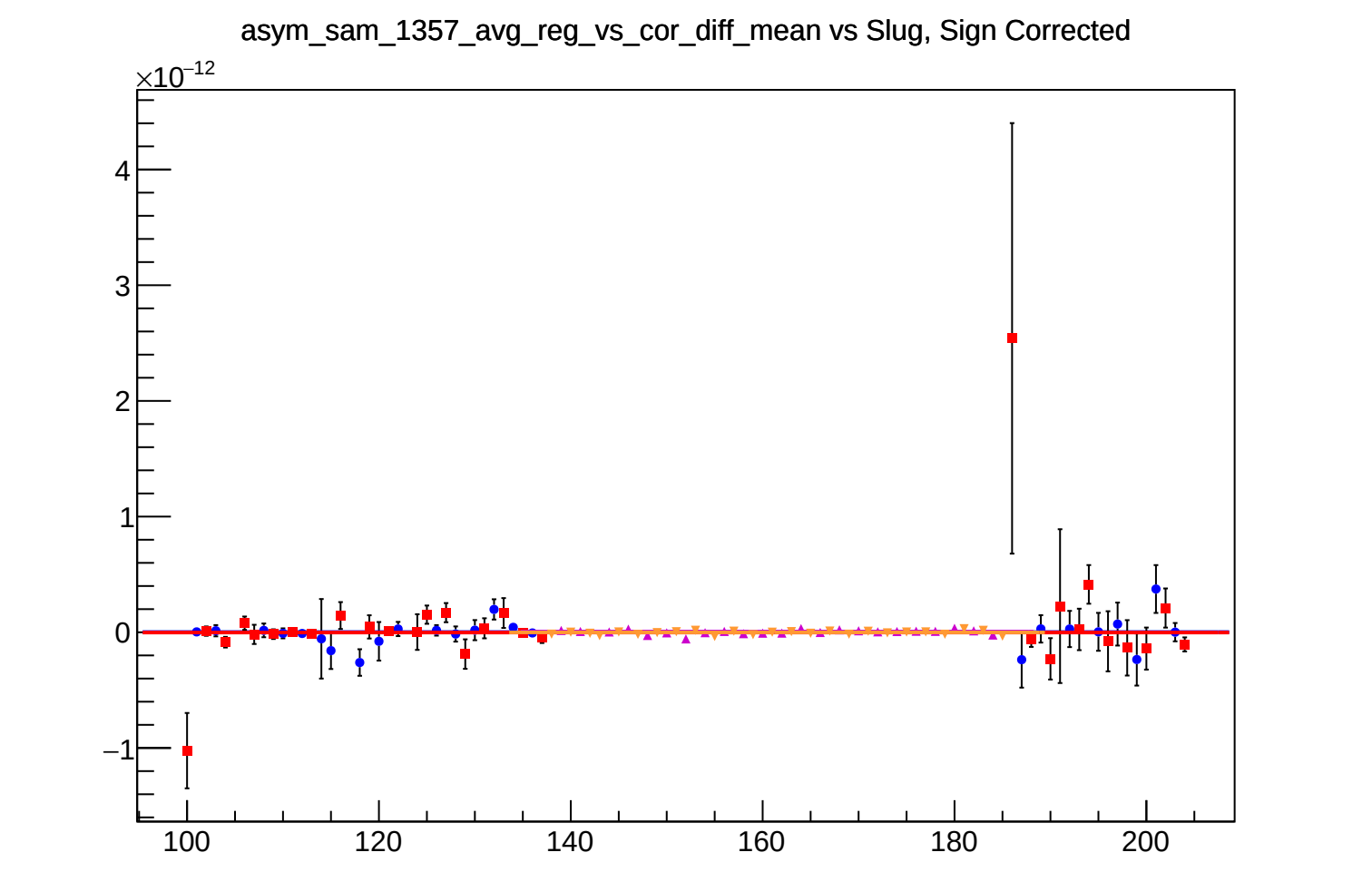
Left: 357.946+/-0.042 χ^2/NDF: 2101494.2/47

Right: 648.830+/-0.092 χ^2/NDF: 7565836.8/53

In: 404.522+/-0.055 χ^2/NDF:7854127.9/46

Out: 410.437+/-0.053 χ^2/NDF:10010163.6/54

All: 407.549+/-0.038 χ^2/NDF: 17870283.2/10



Right In: 0.000+/-0.000 χ^2/NDF: 19.1/23

Left Out: -0.000+/-0.000 χ^2/NDF:18.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 46.2/29

Left In: 0.000+/-0.000 χ^2/NDF:28.5/22

Left: 0.000+/-0.000 χ^2/NDF: 49.2/47

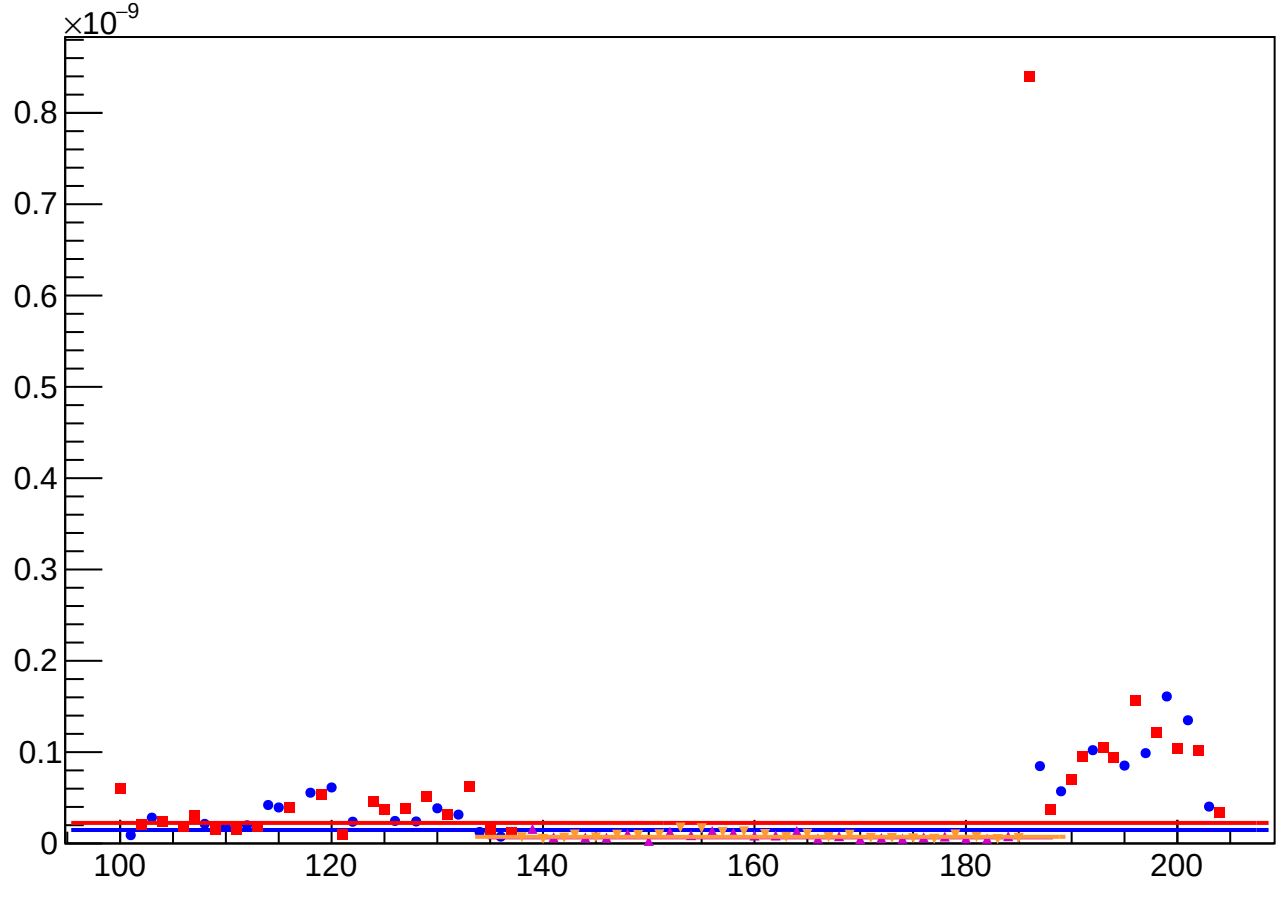
Right: 0.000+/-0.000 χ^2/NDF: 65.4/53

In: 0.000+/-0.000 χ^2/NDF:47.8/46

Out: -0.000+/-0.000 χ^2/NDF:64.4/54

All: 0.000+/-0.000 χ^2/NDF: 114.7/101

asym_sam_1357_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 5396589.3/23

Left Out: 0.000+/-0.000 χ^2/NDF:1438289.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4736869.6/29

Left In: 0.000+/-0.000 χ^2/NDF:1746143.3/22

Left: 0.000+/-0.000 χ^2/NDF: 3229339.0/47

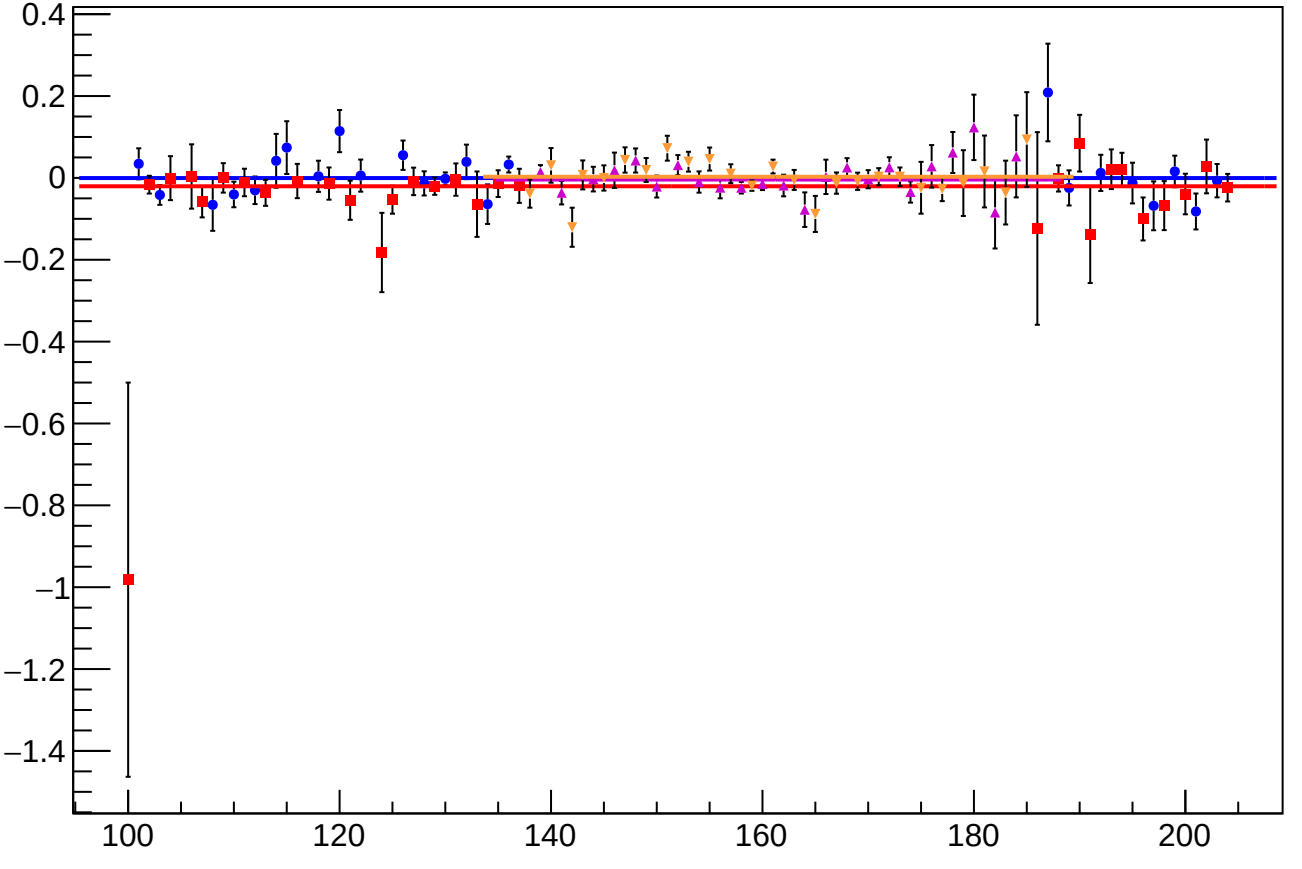
Right: 0.000+/-0.000 χ^2/NDF: 10695172.4/53

In: 0.000+/-0.000 χ^2/NDF:8636200.9/46

Out: 0.000+/-0.000 χ^2/NDF:9447218.4/54

All: 0.000+/-0.000 χ^2/NDF: 18155921.3/101

asym_sam_1357_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.007 χ^2/NDF: 30.6/23

Left Out: 0.003+/-0.005 χ^2/NDF:32.8/24

Right Out: -0.020+/-0.007 χ^2/NDF: 20.0/29

Left In: -0.004+/-0.005 χ^2/NDF:24.6/22

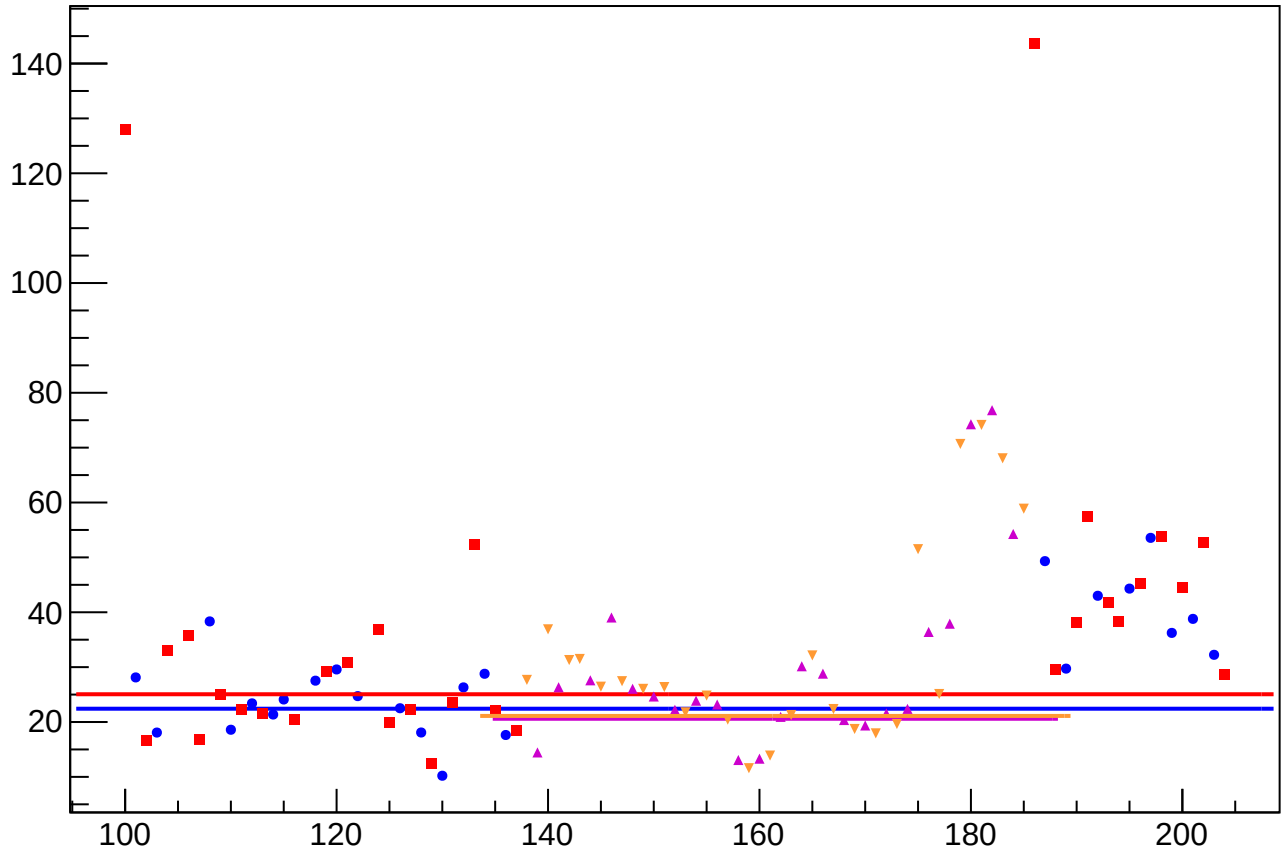
Left: -0.001+/-0.004 χ^2/NDF: 58.2/47

Right: -0.010+/-0.005 χ^2/NDF: 54.4/53

In: -0.003+/-0.004 χ^2/NDF:55.3/46

Out: -0.005+/-0.004 χ^2/NDF:59.2/54

All: -0.004+/-0.003 χ^2/NDF: 114.8/101



Right In: 22.423+/-0.005 χ^2/NDF: 3969934.4/23

Left Out: 21.109+/-0.004 χ^2/NDF:5546528.5/24

Right Out: 25.059+/-0.005 χ^2/NDF: 4449722.1/29

Left In: 20.591+/-0.004 χ^2/NDF:4599493.5/22

Left: 20.849+/-0.003 χ^2/NDF: 10155046.5/47

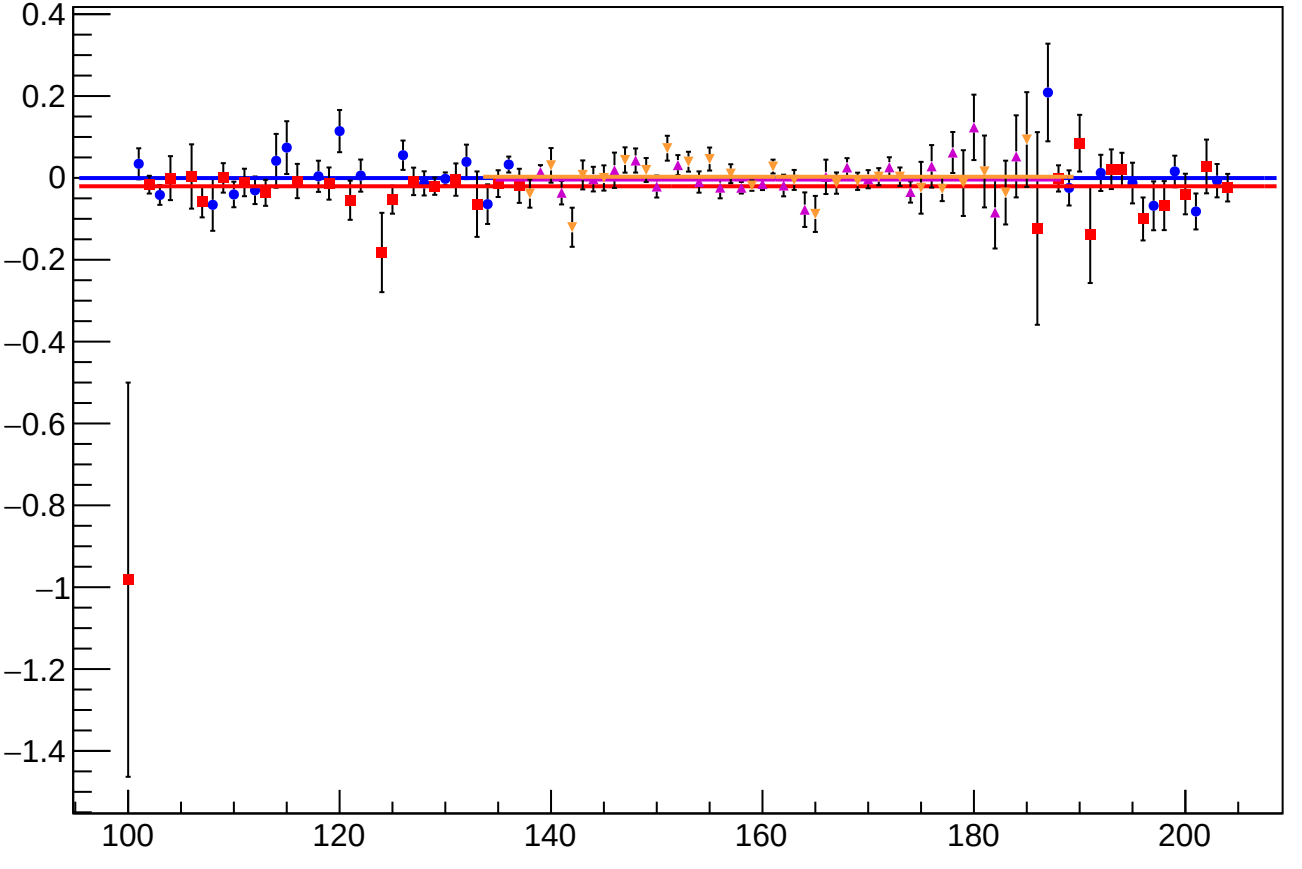
Right: 23.687+/-0.004 χ^2/NDF: 8553094.2/53

In: 21.272+/-0.003 χ^2/NDF:8653802.6/46

Out: 22.508+/-0.003 χ^2/NDF:10368017.5/54

All: 21.879+/-0.002 χ^2/NDF: 19102693.9/101

asym_sam_1357_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.007 χ^2/NDF: 30.6/23

Left Out: 0.003+/-0.005 χ^2/NDF:32.8/24

Right Out: -0.020+/-0.007 χ^2/NDF: 20.0/29

Left In: -0.004+/-0.005 χ^2/NDF:24.6/22

Left: -0.001+/-0.004 χ^2/NDF: 58.2/47

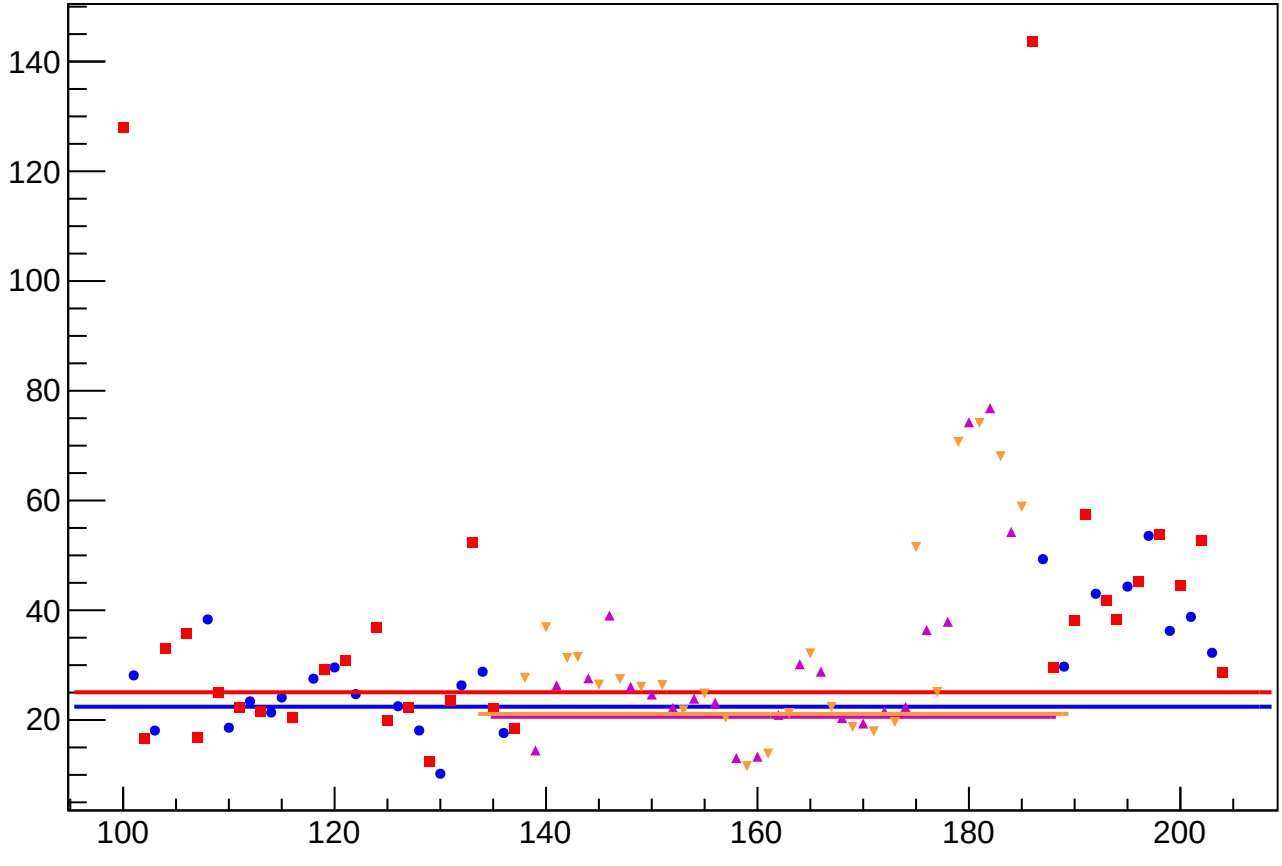
Right: -0.010+/-0.005 χ^2/NDF: 54.4/53

In: -0.003+/-0.004 χ^2/NDF:55.3/46

Out: -0.005+/-0.004 χ^2/NDF:59.2/54

All: -0.004+/-0.003 χ^2/NDF: 114.8/101

asym_sam_1357_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 22.423+/-0.005 χ^2/NDF: 3969934.4/23

Left Out: 21.109+/-0.004 χ^2/NDF:5546528.5/24

Right Out: 25.059+/-0.005 χ^2/NDF: 4449722.1/29

Left In: 20.591+/-0.004 χ^2/NDF:4599493.5/22

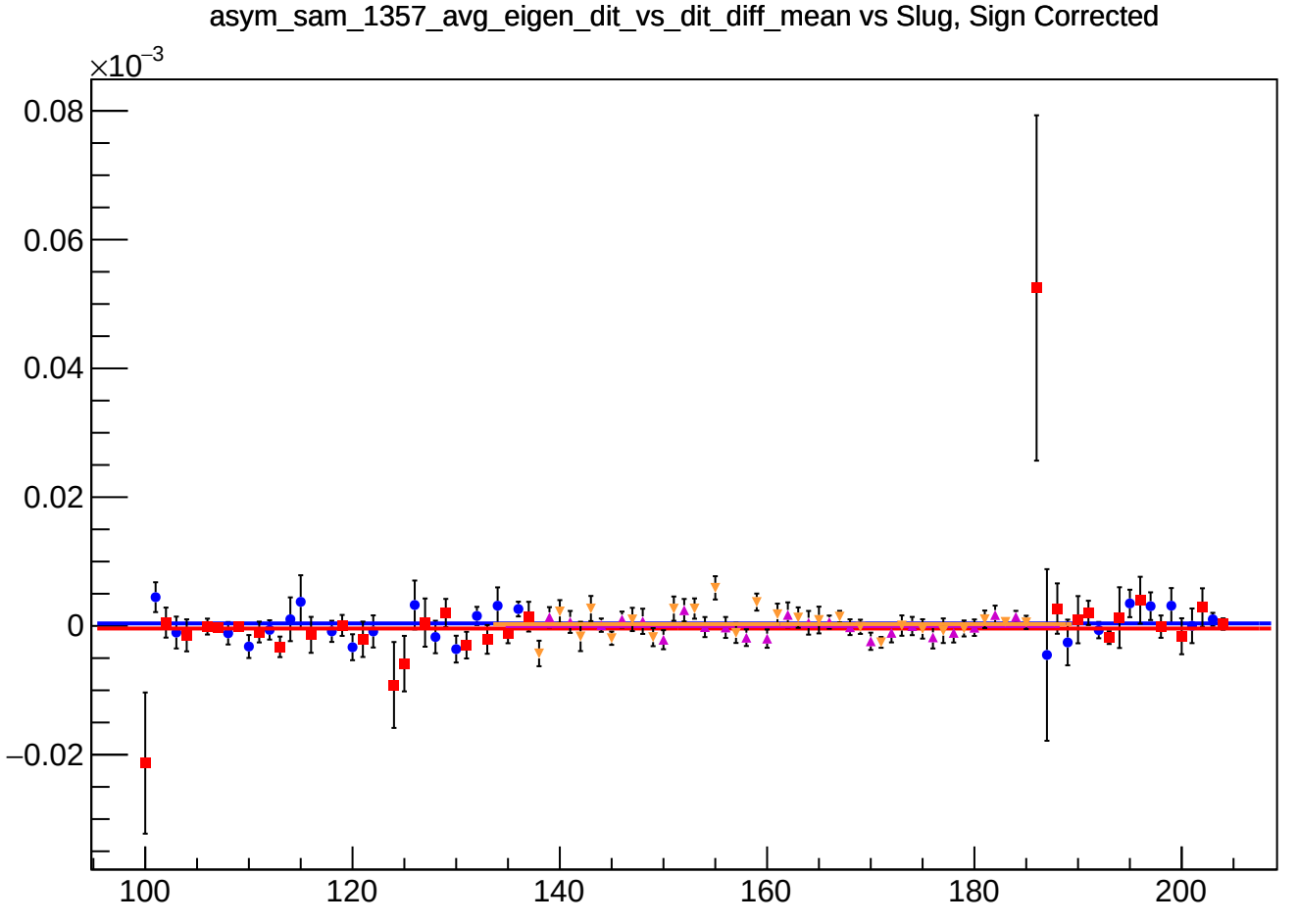
Left: 20.849+/-0.003 χ^2/NDF: 10155046.5/47

Right: 23.687+/-0.004 χ^2/NDF: 8553094.2/53

In: 21.272+/-0.003 χ^2/NDF:8653802.6/46

Out: 22.508+/-0.003 χ^2/NDF:10368017.5/54

All: 21.879+/-0.002 χ^2/NDF: 19102693.9/101



Right In: 0.000+/-0.000 χ^2/NDF: 30.5/23

Left Out: 0.000+/-0.000 χ^2/NDF:52.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 27.8/29

Left In: -0.000+/-0.000 χ^2/NDF:19.8/22

Left: 0.000+/-0.000 χ^2/NDF: 73.0/47

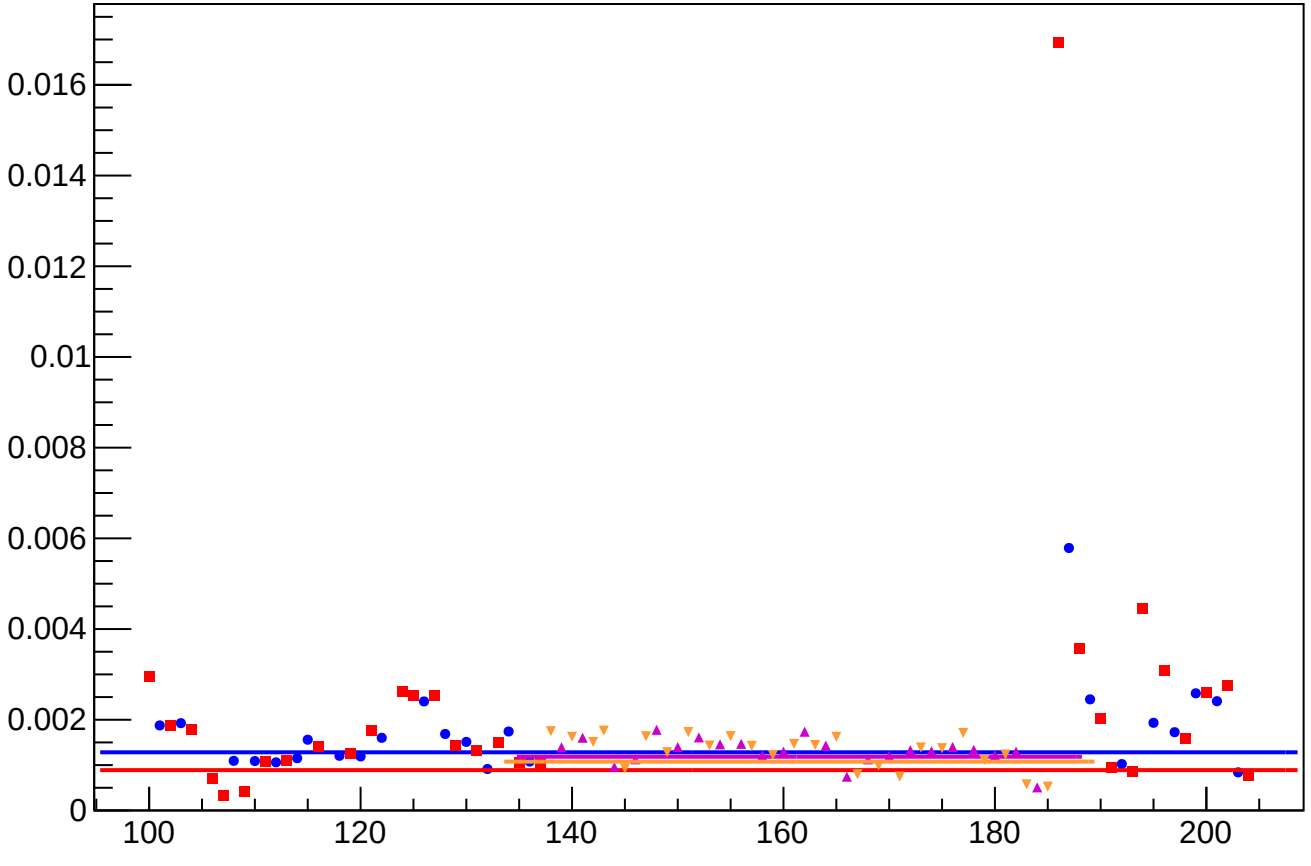
Right: -0.000+/-0.000 χ^2/NDF: 61.0/53

In: 0.000+/-0.000 χ^2/NDF:51.0/46

Out: -0.000+/-0.000 χ^2/NDF:83.5/54

All: 0.000+/-0.000 χ^2/NDF: 134.8/101

asym_sam_1357_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 2897511.7/23

Left Out: 0.001+/-0.000 χ^2/NDF:4545392.2/24

Right Out: 0.001+/-0.000 χ^2/NDF: 10585180.7/29

Left In: 0.001+/-0.000 χ^2/NDF:2456537.2/22

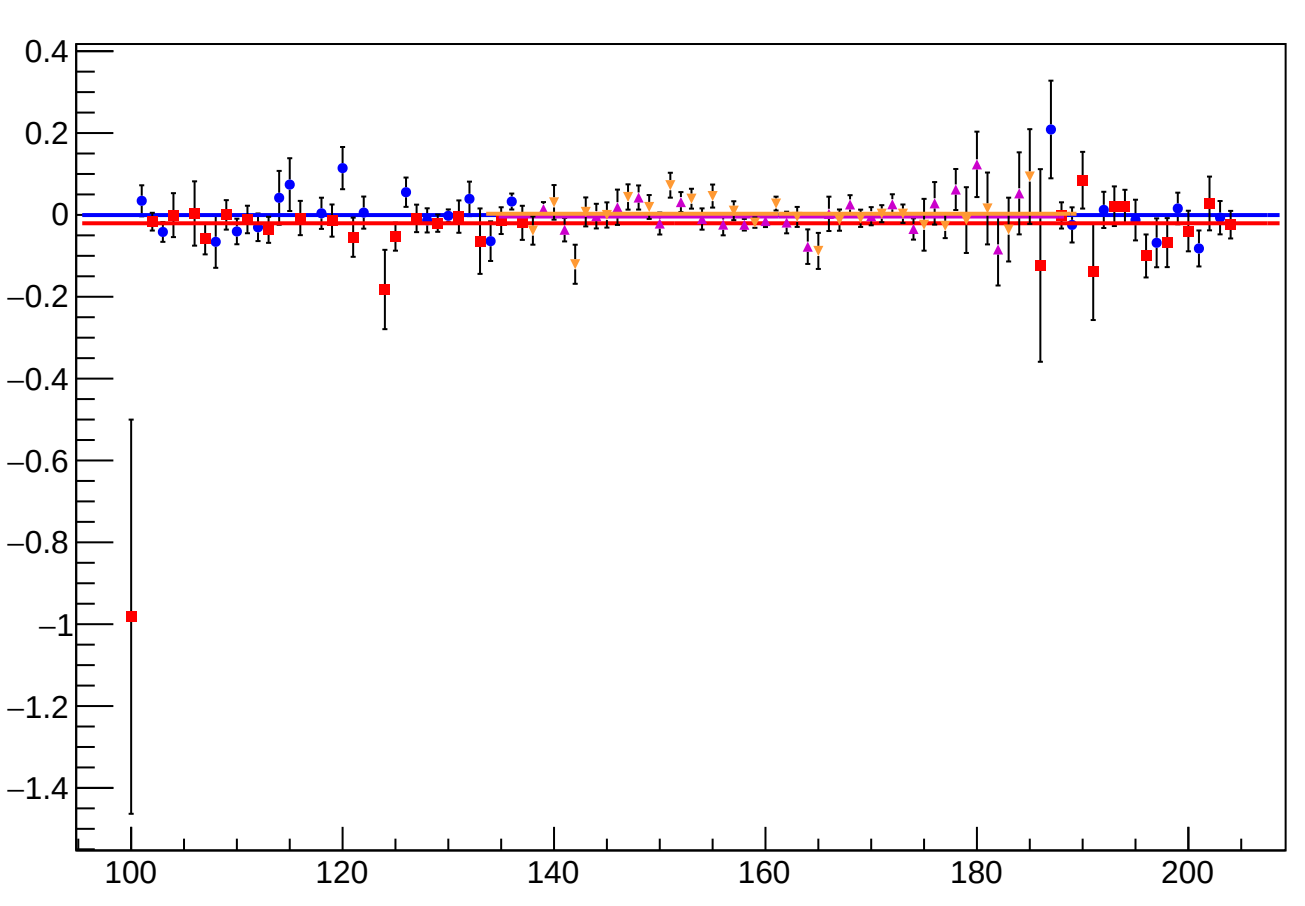
Left: 0.001+/-0.000 χ^2/NDF: 7155644.5/47

Right: 0.001+/-0.000 χ^2/NDF: 14805056.5/53

In: 0.001+/-0.000 χ^2/NDF:5435263.1/46

Out: 0.001+/-0.000 χ^2/NDF:15594008.6/54

All: 0.001+/-0.000 χ^2/NDF: 22170205.8/101



Right In: -0.000+/-0.007 χ^2/NDF: 30.6/23

Left Out: 0.003+/-0.005 χ^2/NDF:32.8/24

Right Out: -0.020+/-0.007 χ^2/NDF: 20.0/29

Left In: -0.004+/-0.005 χ^2/NDF:24.6/22

Left: -0.001+/-0.004 χ^2/NDF: 58.2/47

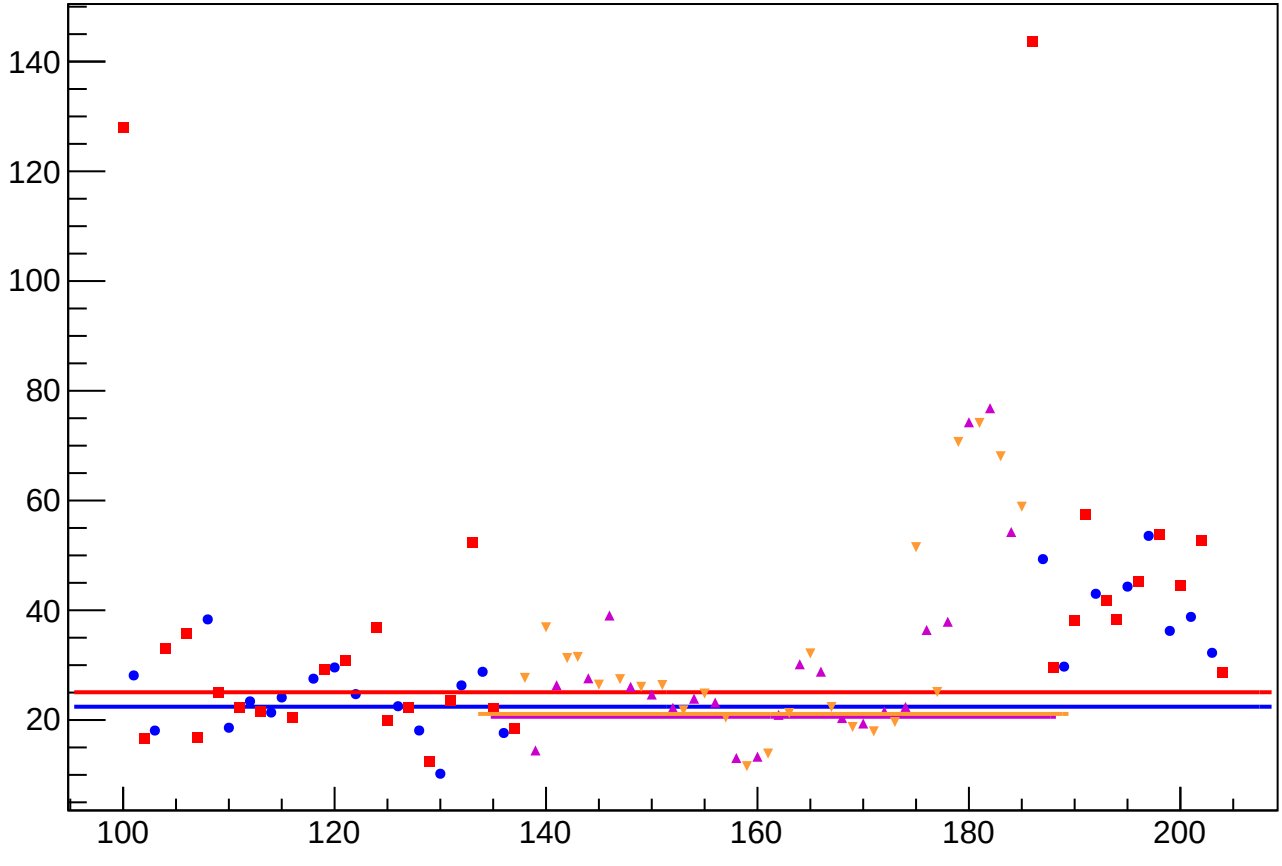
Right: -0.010+/-0.005 χ^2/NDF: 54.4/53

In: -0.003+/-0.004 χ^2/NDF:55.3/46

Out: -0.005+/-0.004 χ^2/NDF:59.2/54

All: -0.004+/-0.003 χ^2/NDF: 114.8/101

asym_sam_1357_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 22.423+/-0.005 χ^2/NDF: 3969714.4/23

Left Out: 21.109+/-0.004 χ^2/NDF:5546663.4/24

Right Out: 25.059+/-0.005 χ^2/NDF: 4449703.2/29

Left In: 20.592+/-0.004 χ^2/NDF:4599496.2/22

Left: 20.849+/-0.003 χ^2/NDF: 10155178.1/47

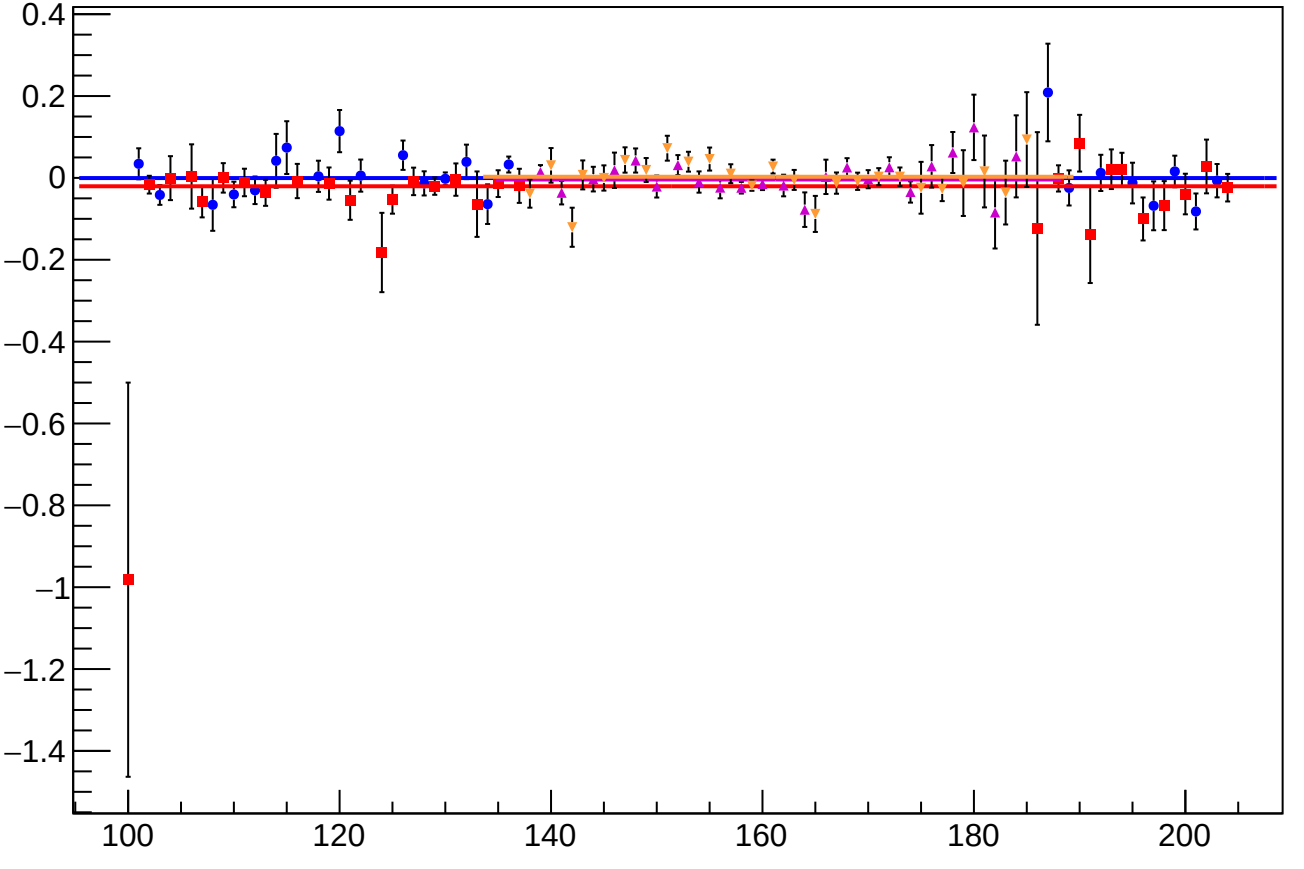
Right: 23.687+/-0.004 χ^2/NDF: 8552831.6/53

In: 21.272+/-0.003 χ^2/NDF:8653603.0/46

Out: 22.508+/-0.003 χ^2/NDF:10368162.6/54

All: 21.880+/-0.002 χ^2/NDF: 19102612.8/101

asym_sam_1357_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.007 χ^2/NDF: 30.6/23

Left Out: 0.003+/-0.005 χ^2/NDF:32.8/24

Right Out: -0.020+/-0.007 χ^2/NDF: 20.0/29

Left In: -0.004+/-0.005 χ^2/NDF:24.6/22

Left: -0.001+/-0.004 χ^2/NDF: 58.2/47

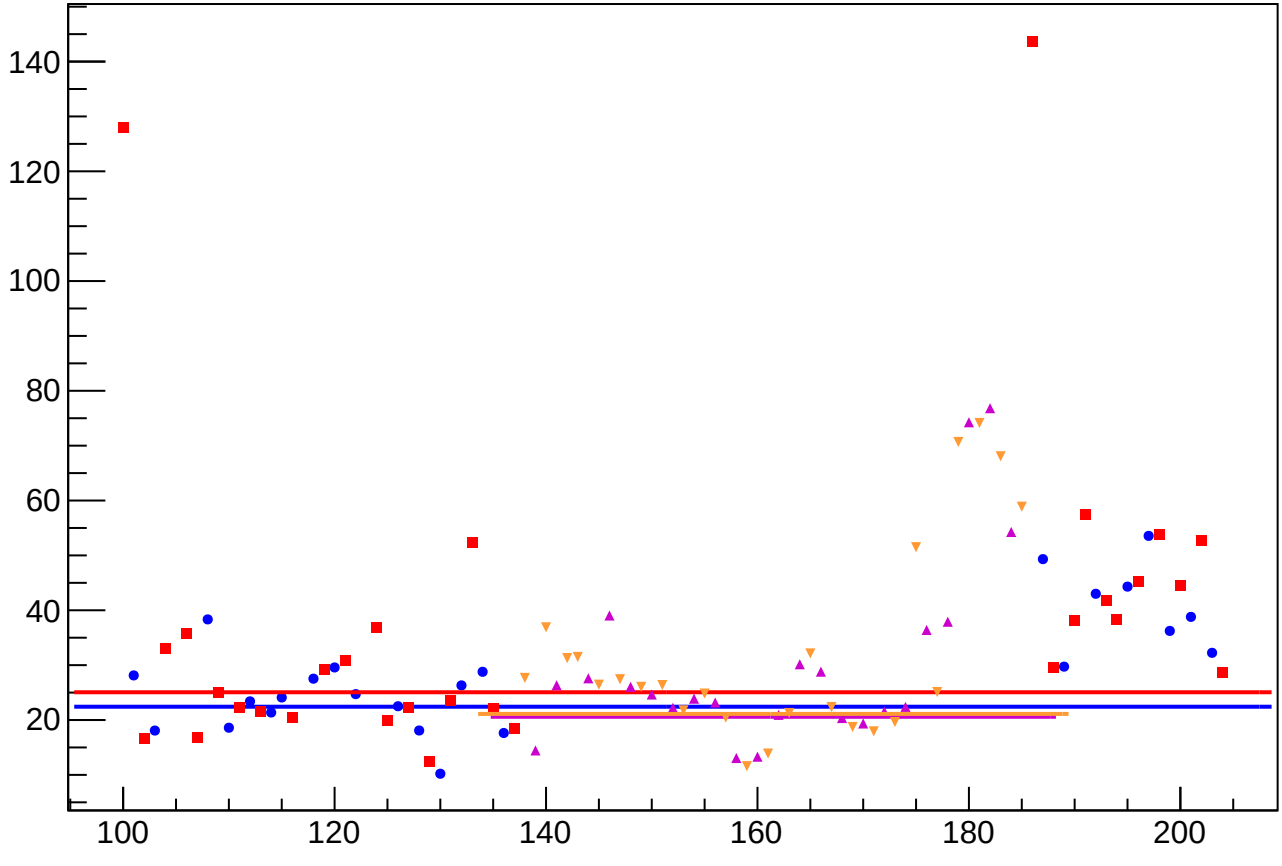
Right: -0.010+/-0.005 χ^2/NDF: 54.4/53

In: -0.003+/-0.004 χ^2/NDF:55.3/46

Out: -0.005+/-0.004 χ^2/NDF:59.2/54

All: -0.004+/-0.003 χ^2/NDF: 114.8/101

asym_sam_1357_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 22.423+/-0.005 χ^2/NDF: 3969714.4/23

Left Out: 21.109+/-0.004 χ^2/NDF:5546663.4/24

Right Out: 25.059+/-0.005 χ^2/NDF: 4449703.2/29

Left In: 20.592+/-0.004 χ^2/NDF:4599496.2/22

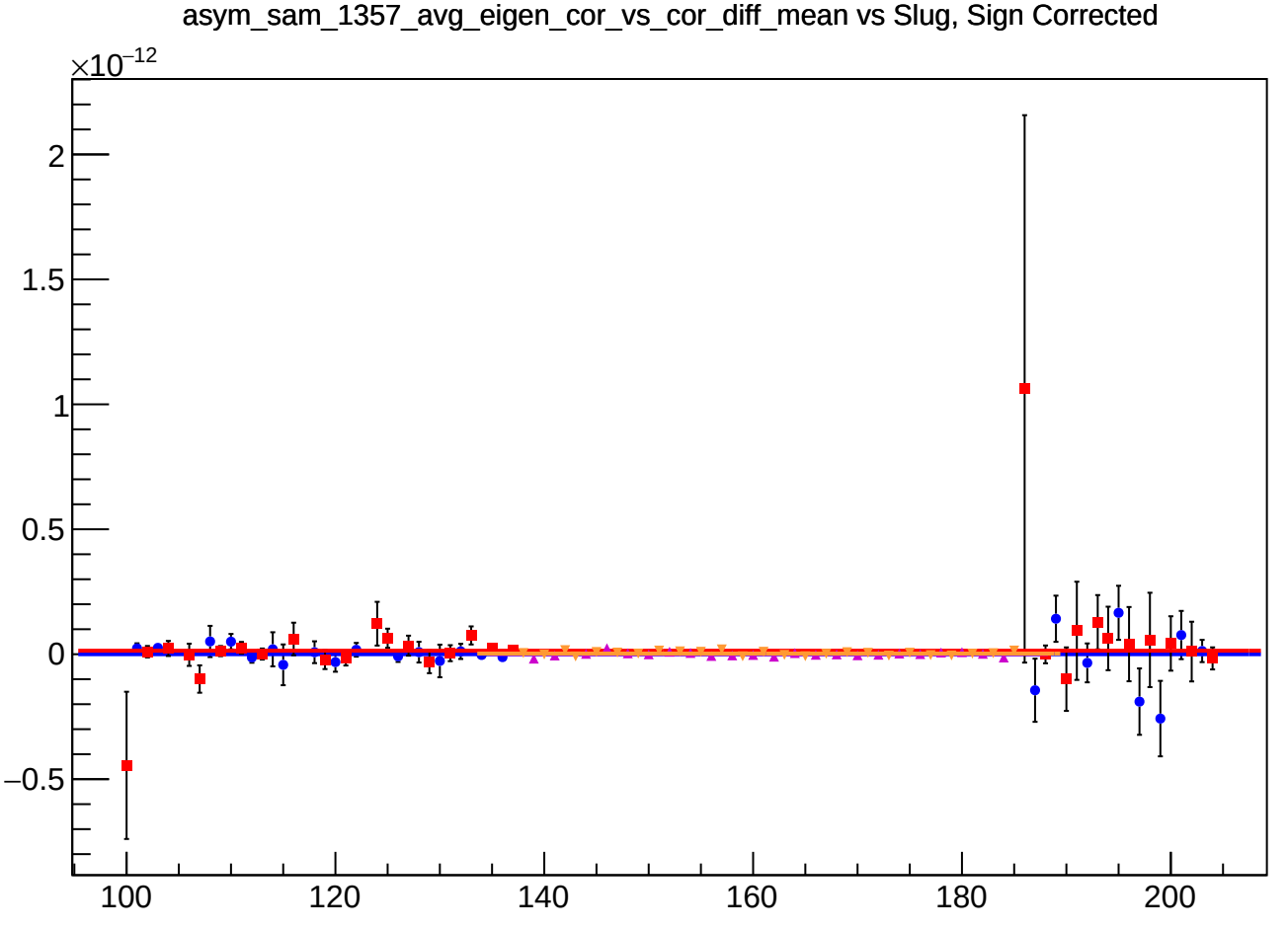
Left: 20.849+/-0.003 χ^2/NDF: 10155178.1/47

Right: 23.687+/-0.004 χ^2/NDF: 8552831.6/53

In: 21.272+/-0.003 χ^2/NDF:8653603.0/46

Out: 22.508+/-0.003 χ^2/NDF:10368162.6/54

All: 21.880+/-0.002 χ^2/NDF: 19102612.8/101



Right In: 0.000+/-0.000 χ^2/NDF: 22.4/23

Left Out: 0.000+/-0.000 χ^2/NDF:20.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 21.6/29

Left In: 0.000+/-0.000 χ^2/NDF:21.4/22

Left: 0.000+/-0.000 χ^2/NDF: 42.7/47

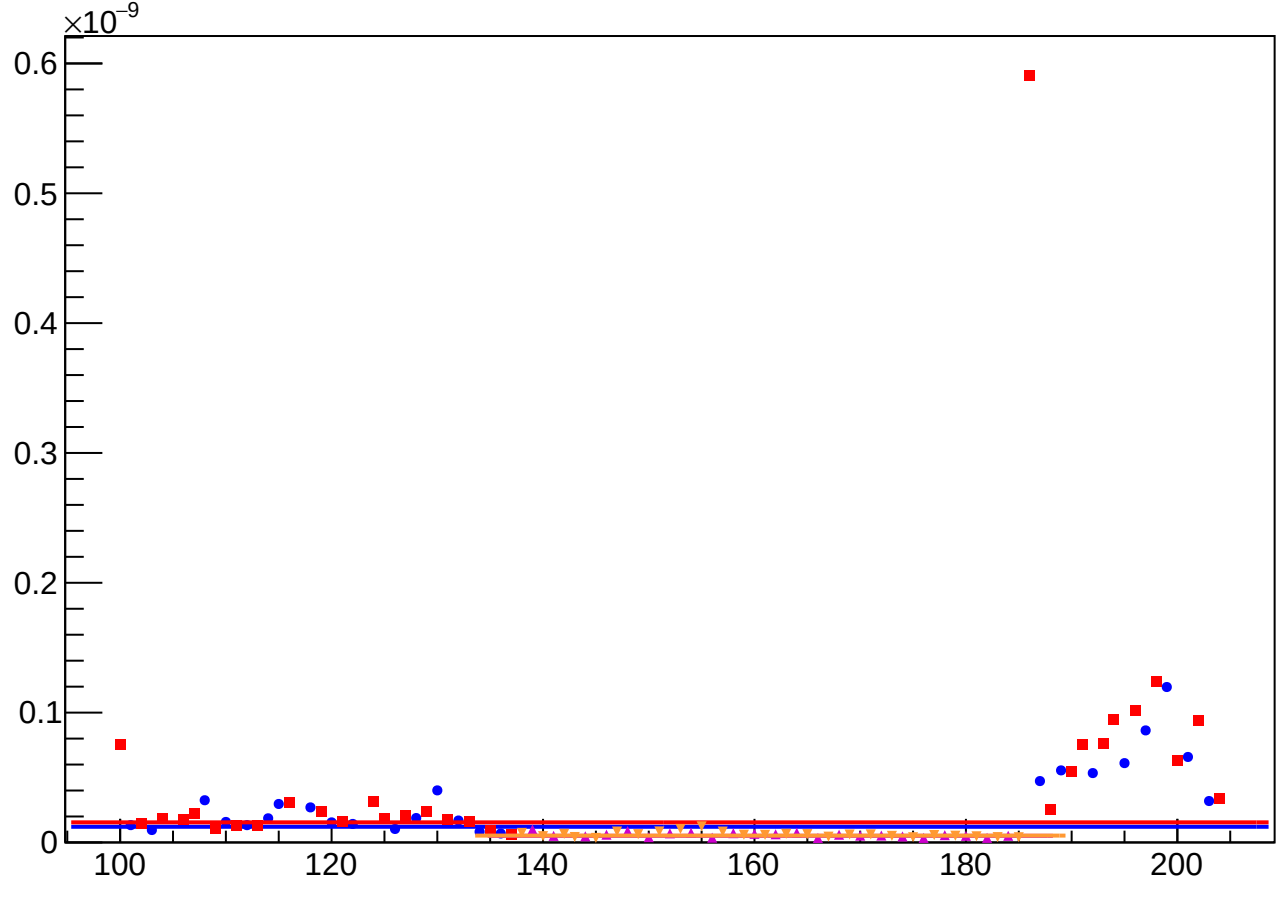
Right: 0.000+/-0.000 χ^2/NDF: 46.7/53

In: 0.000+/-0.000 χ^2/NDF:43.8/46

Out: 0.000+/-0.000 χ^2/NDF:45.3/54

All: 0.000+/-0.000 χ^2/NDF: 90.5/101

asym_sam_1357_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 6184043.0/23

Left Out: 0.000+/-0.000 χ^2/NDF:2053779.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6995352.8/29

Left In: 0.000+/-0.000 χ^2/NDF:1700889.7/22

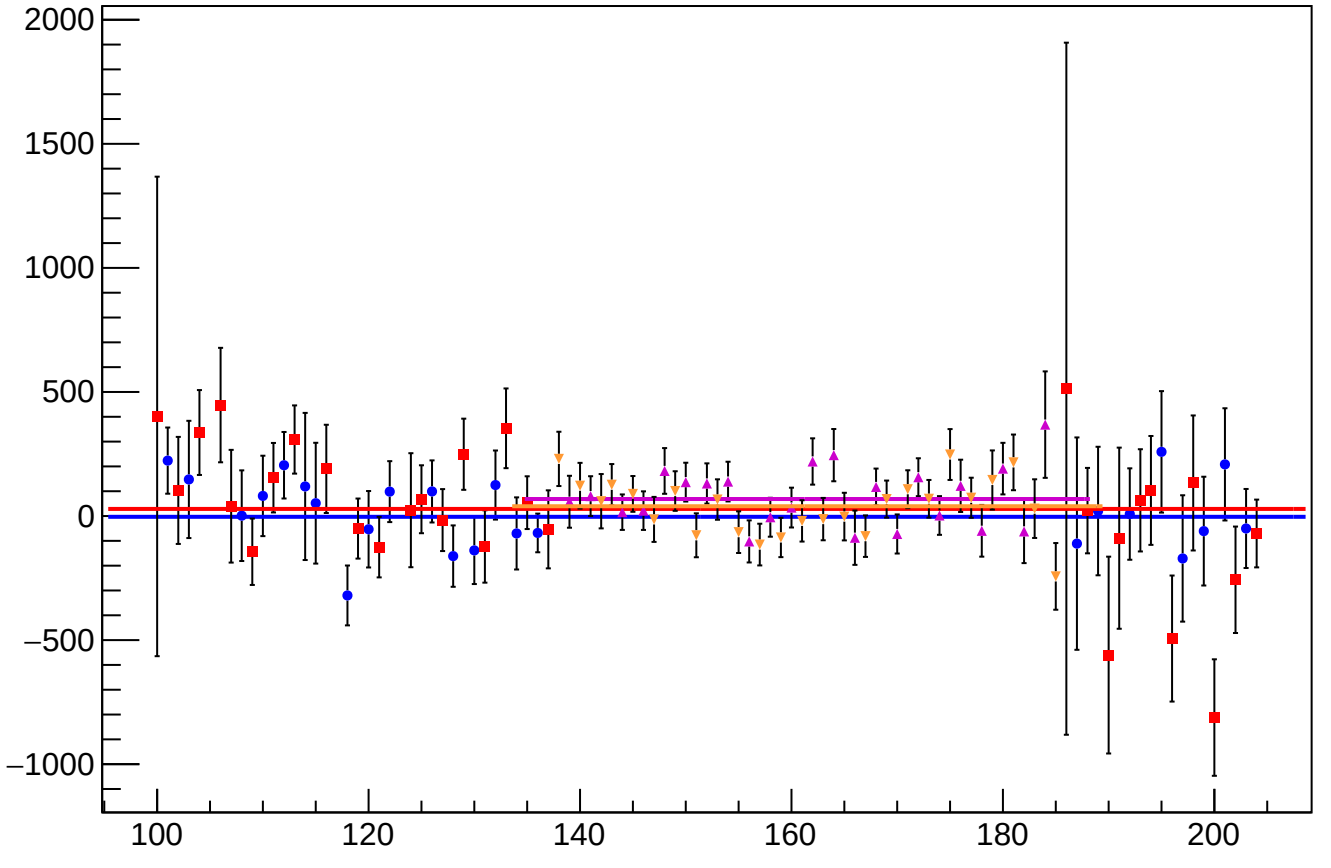
Left: 0.000+/-0.000 χ^2/NDF: 3769522.8/47

Right: 0.000+/-0.000 χ^2/NDF: 13511231.5/53

In: 0.000+/-0.000 χ^2/NDF:10876225.6/46

Out: 0.000+/-0.000 χ^2/NDF:14009742.1/54

All: 0.000+/-0.000 χ^2/NDF: 24913727.5/101



Right In: -3.096+/-31.428 χ^2/NDF: 21.6/23

Left Out: 39.477+/-17.666 χ^2/NDF:31.9/24

Right Out: 28.674+/-31.057 χ^2/NDF: 46.4/29

Left In: 68.620+/-18.317 χ^2/NDF:29.0/22

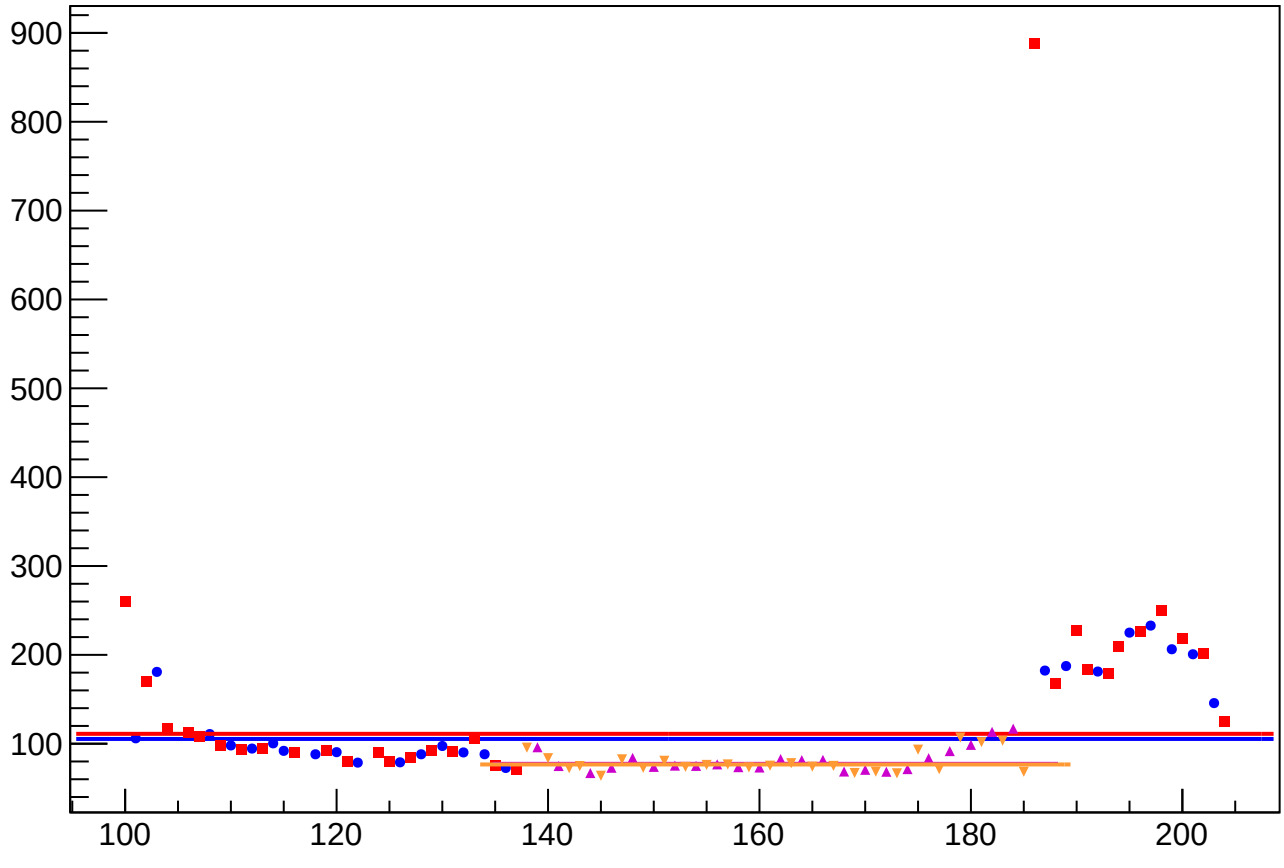
Left: 53.521+/-12.716 χ^2/NDF: 62.3/47

Right: 12.978+/-22.091 χ^2/NDF: 68.6/53

In: 50.436+/-15.825 χ^2/NDF:54.5/46

Out: 36.836+/-15.356 χ^2/NDF:78.5/54

All: 43.431+/-11.020 χ^2/NDF: 133.4/101



Right In: 105.358+/-0.022 χ^2/NDF: 3413705.5/23

Left Out: 76.646+/-0.012 χ^2/NDF:654608.6/24

Right Out: 111.115+/-0.022 χ^2/NDF: 4571180.5/29

Left In: 77.348+/-0.013 χ^2/NDF:590414.8/22

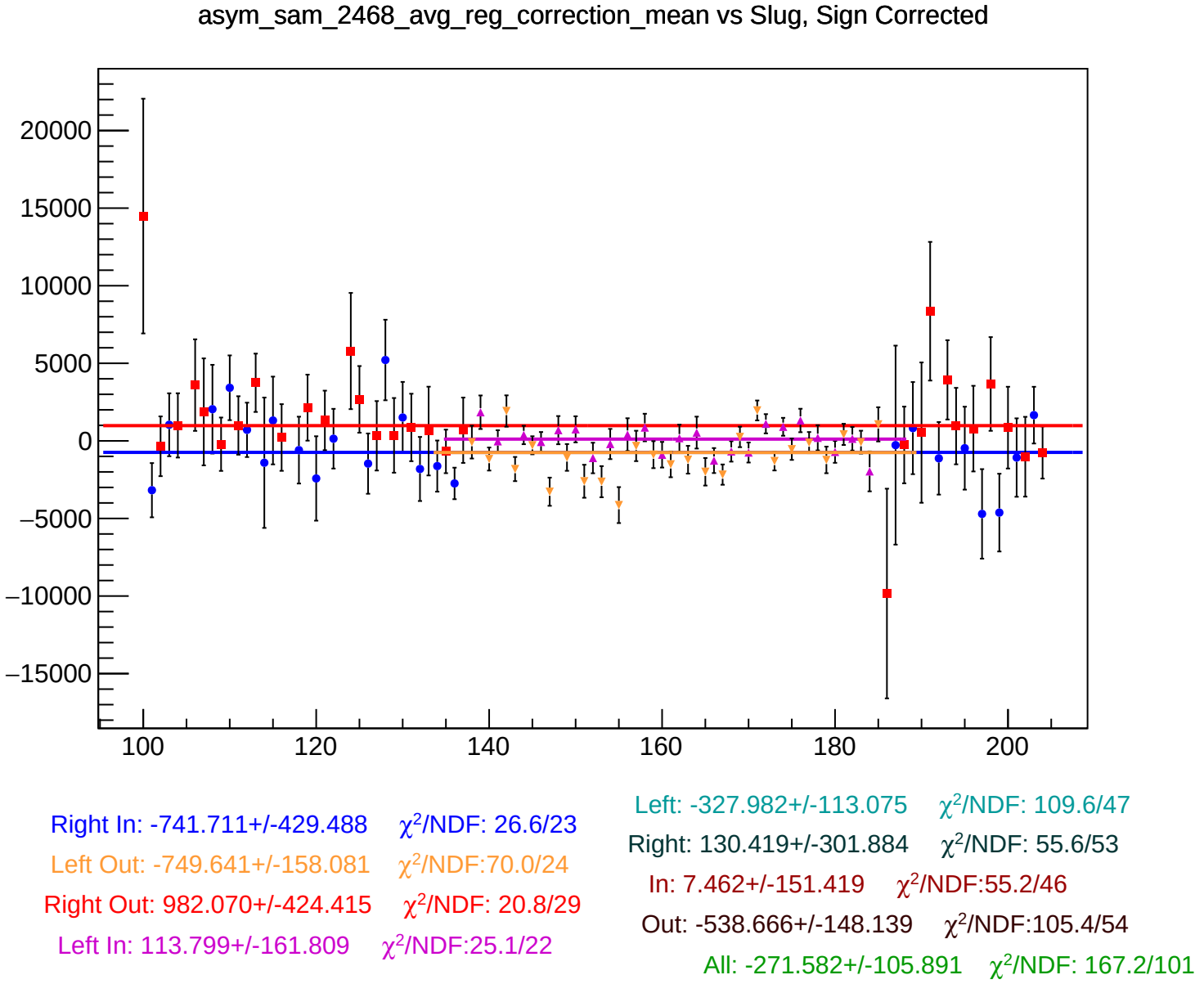
Left: 76.985+/-0.009 χ^2/NDF: 1246545.0/47

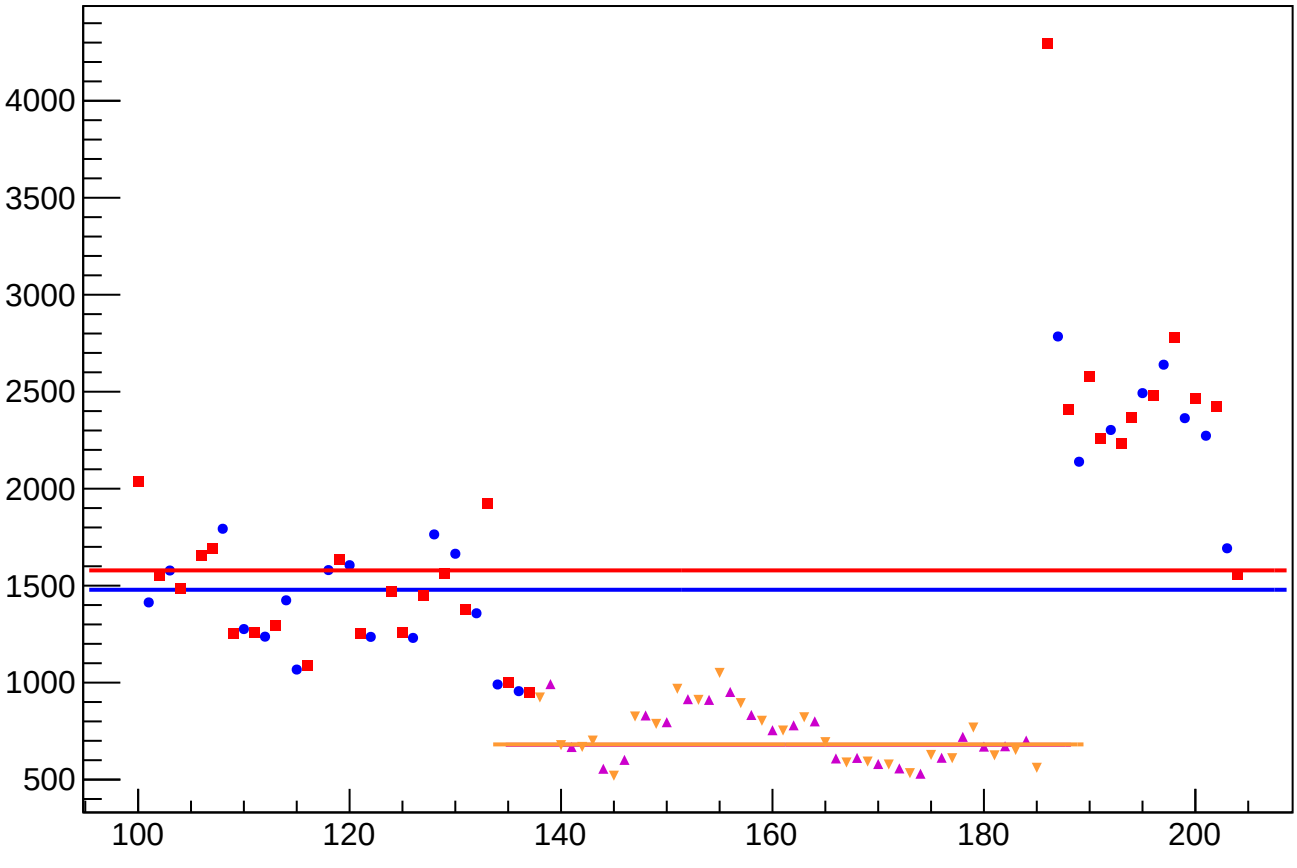
Right: 108.271+/-0.016 χ^2/NDF: 8018845.2/53

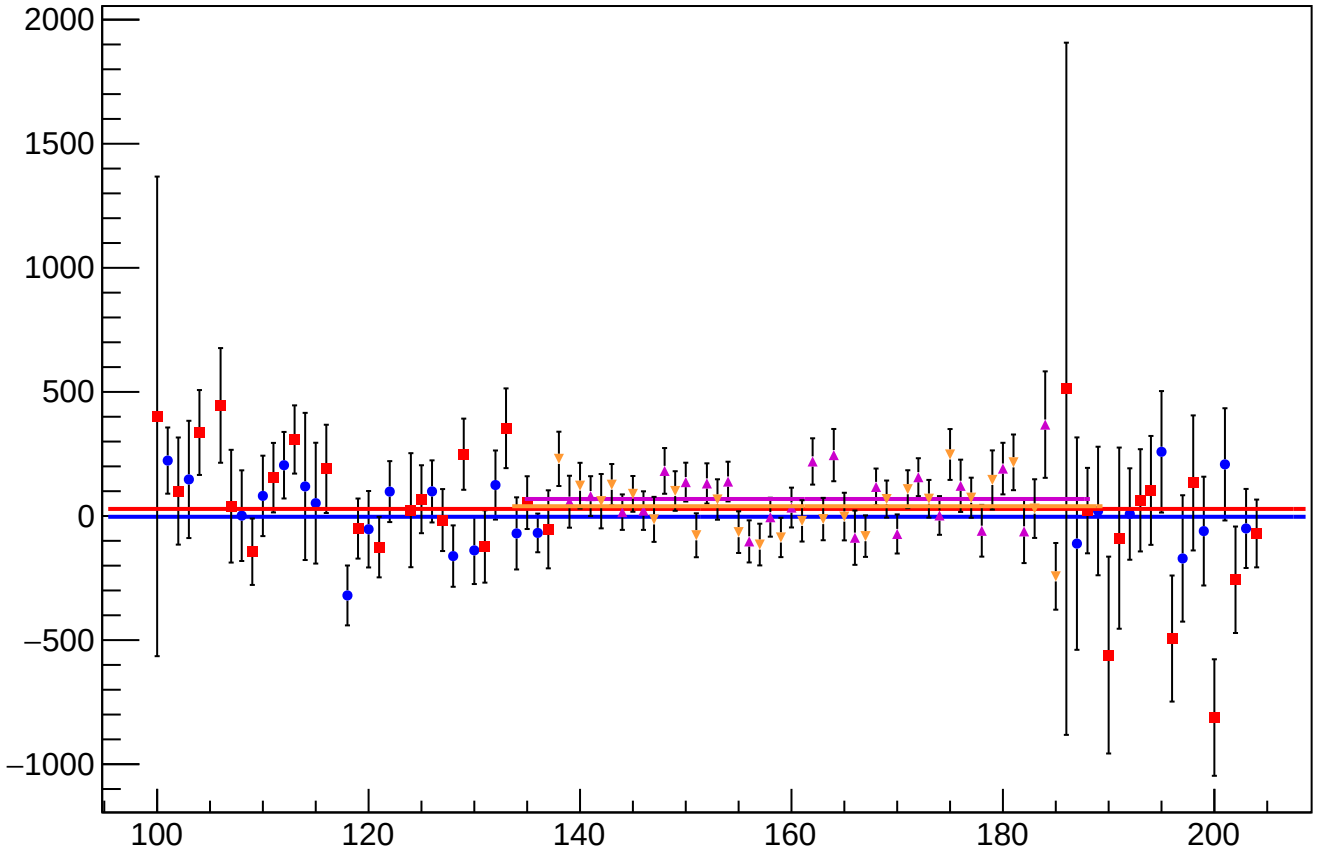
In: 84.450+/-0.011 χ^2/NDF:5189896.1/46

Out: 85.073+/-0.011 χ^2/NDF:7087158.5/54

All: 84.771+/-0.008 χ^2/NDF: 12278650.2/101


asym_sam_2468_avg_reg_correction_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
−15000
100
120
140
160
180
200
Right In: -741.711+/-429.488 χ²/NDF: 26.6/23
Left Out: -749.641+/-158.081 χ²/NDF:70.0/24
Right Out: 982.070+/-424.415 χ²/NDF: 20.8/29
Left In: 113.799+/-161.809 χ²/NDF:25.1/22
Left: -327.982+/-113.075 χ²/NDF: 109.6/47
Right: 130.419+/-301.884 χ²/NDF: 55.6/53
In: 7.462+/-151.419 χ²/NDF:55.2/46
Out: -538.666+/-148.139 χ²/NDF:105.4/54
All: -271.582+/-105.891 χ²/NDF: 167.2/101


asym_sam_2468_avg_reg_correction_rms vs Slug, Sign Corrected
4000
3500
3000
2500
2000
1500
1000
500
100
120
140
160
180
200
Right In: 1478.748+/-0.304 χ²/NDF: 2470125.7/23
Left Out: 681.427+/-0.112 χ²/NDF:1334213.4/24
Right Out: 1578.684+/-0.300 χ²/NDF: 2970999.5/29
Left In: 679.413+/-0.114 χ²/NDF:1185267.0/22
Left: 680.443+/-0.080 χ²/NDF: 2519638.8/47
Right: 1529.310+/-0.213 χ²/NDF: 5495910.4/53
In: 778.768+/-0.107 χ²/NDF:9721952.3/46
Out: 790.740+/-0.105 χ²/NDF:12155034.8/54
All: 784.885+/-0.075 χ²/NDF: 21883374.6/10



Right In: -3.104+/-31.428 χ^2/NDF: 21.6/23

Left Out: 39.484+/-17.666 χ^2/NDF:31.9/24

Right Out: 28.559+/-31.058 χ^2/NDF: 46.4/29

Left In: 68.620+/-18.317 χ^2/NDF:29.0/22

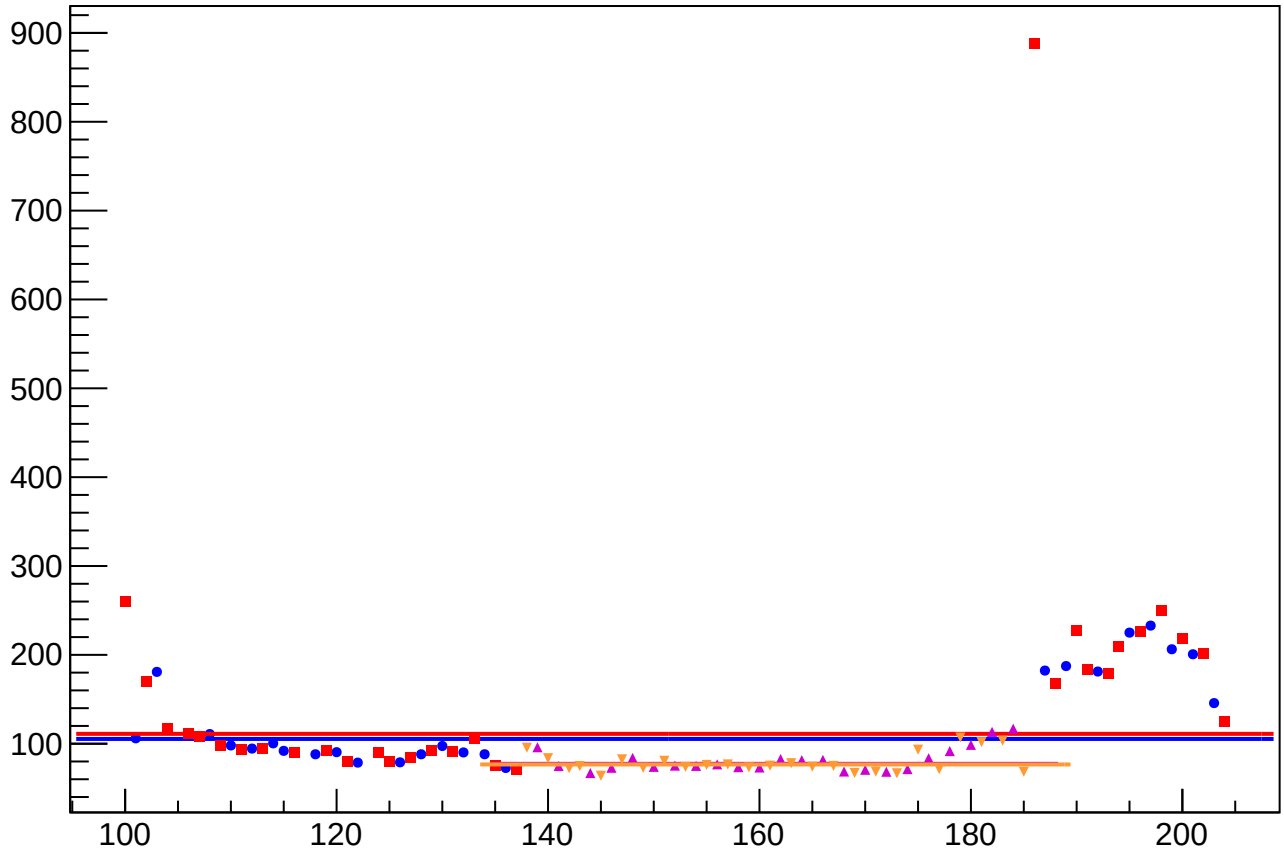
Left: 53.525+/-12.716 χ^2/NDF: 62.3/47

Right: 12.915+/-22.091 χ^2/NDF: 68.5/53

In: 50.434+/-15.825 χ^2/NDF:54.5/46

Out: 36.814+/-15.356 χ^2/NDF:78.4/54

All: 43.419+/-11.020 χ^2/NDF: 133.3/101



Right In: 105.358+/-0.022 χ^2/NDF: 3413709.1/23

Left Out: 76.646+/-0.012 χ^2/NDF:654608.7/24

Right Out: 111.092+/-0.022 χ^2/NDF: 4571331.0/29

Left In: 77.348+/-0.013 χ^2/NDF:590414.8/22

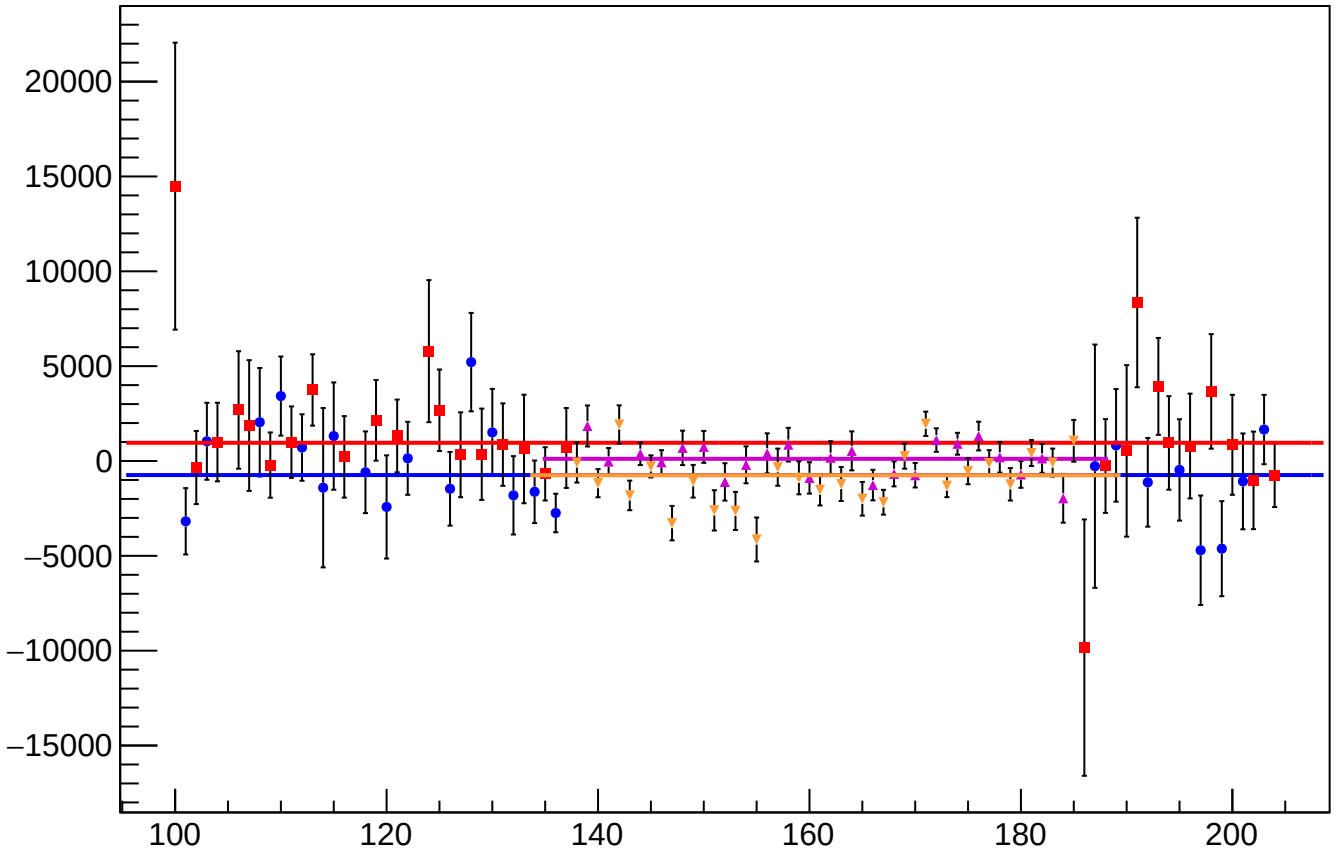
Left: 76.985+/-0.009 χ^2/NDF: 1246545.1/47

Right: 108.259+/-0.016 χ^2/NDF: 8018720.7/53

In: 84.450+/-0.011 χ^2/NDF:5189899.7/46

Out: 85.067+/-0.011 χ^2/NDF:7084644.3/54

All: 84.768+/-0.008 χ^2/NDF: 12276107.4/101



Right In: -741.682+/-429.489 χ^2/NDF: 26.6/23

Left Out: -749.632+/-158.081 χ^2/NDF:70.0/24

Right Out: 960.470+/-424.832 χ^2/NDF: 20.3/29

Left In: 113.799+/-161.809 χ^2/NDF:25.1/22

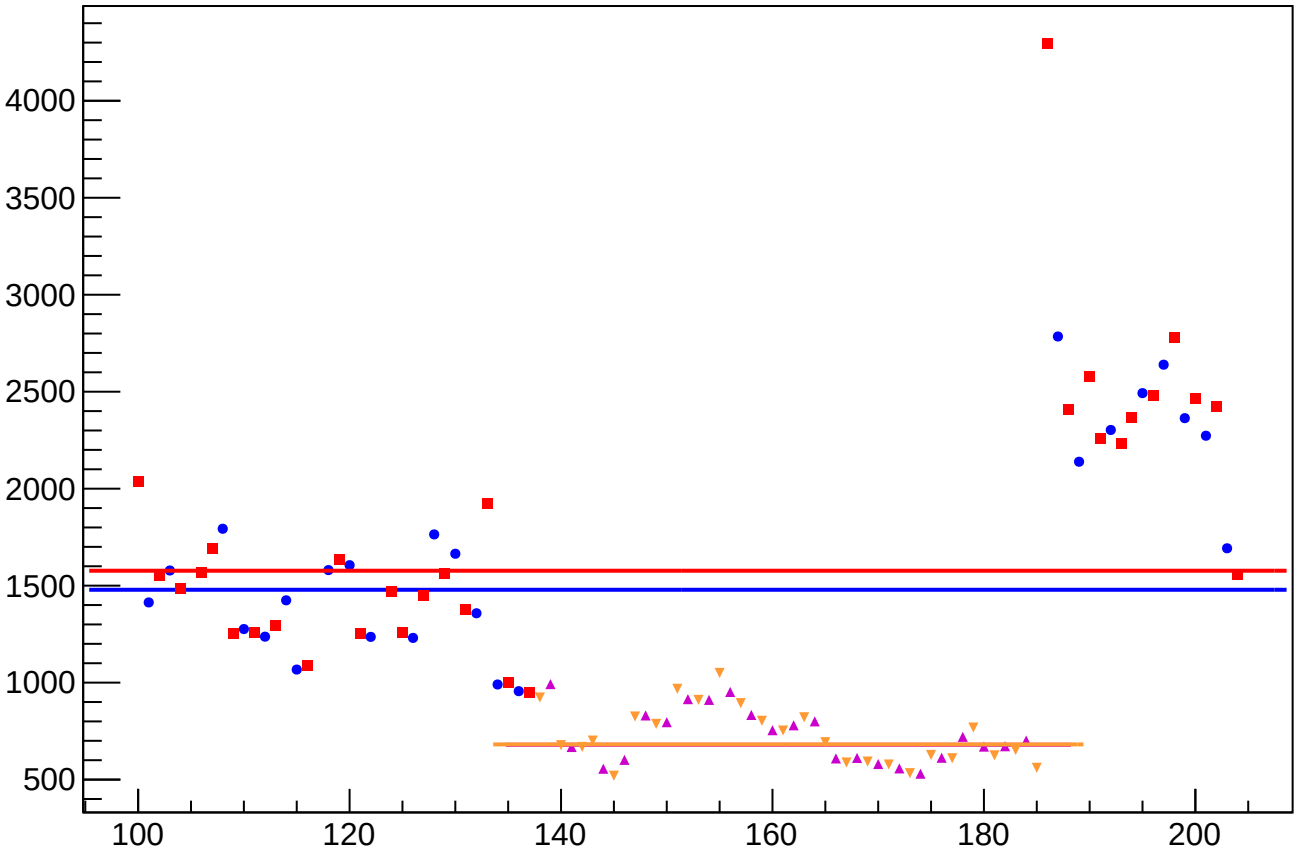
Left: -327.978+/-113.075 χ^2/NDF: 109.6/47

Right: 118.672+/-302.035 χ^2/NDF: 54.9/53

In: 7.466+/-151.419 χ^2/NDF:55.2/46

Out: -541.649+/-148.156 χ^2/NDF:104.6/54

All: -273.072+/-105.897 χ^2/NDF: 166.4/101



Right In: 1478.752+/-0.304 χ^2/NDF: 2470140.0/23

Left Out: 681.426+/-0.112 χ^2/NDF:1334214.9/24

Right Out: 1576.963+/-0.300 χ^2/NDF: 2969616.6/29

Left In: 679.414+/-0.114 χ^2/NDF:1185265.0/22

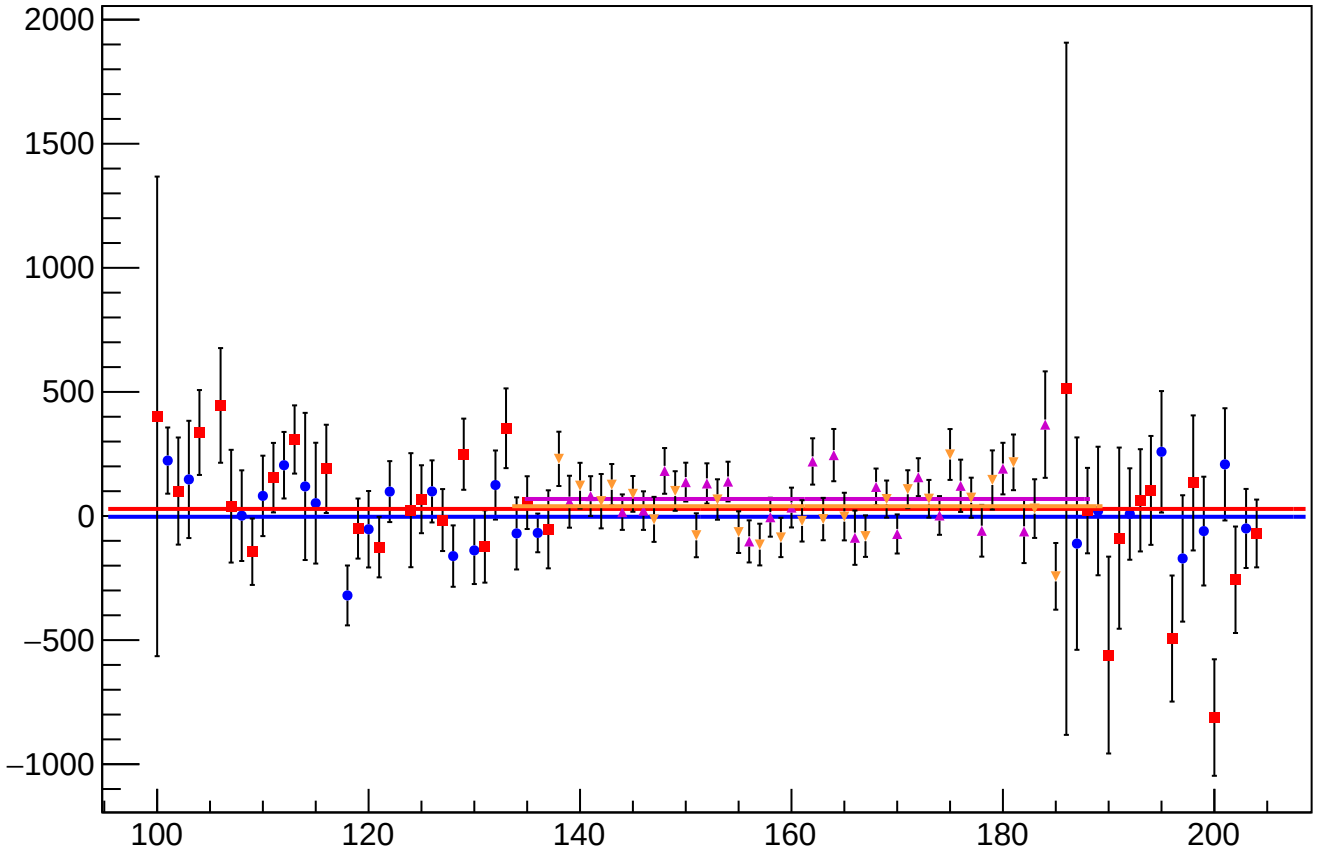
Left: 680.443+/-0.080 χ^2/NDF: 2519638.2/47

Right: 1528.393+/-0.214 χ^2/NDF: 5492615.9/53

In: 778.769+/-0.107 χ^2/NDF:9721987.1/46

Out: 790.342+/-0.105 χ^2/NDF:12110098.4/54

All: 784.681+/-0.075 χ^2/NDF: 21838054.6/10



Right In: -3.104+/-31.428 χ^2/NDF: 21.6/23

Left Out: 39.484+/-17.666 χ^2/NDF:31.9/24

Right Out: 28.559+/-31.058 χ^2/NDF: 46.4/29

Left In: 68.620+/-18.317 χ^2/NDF:29.0/22

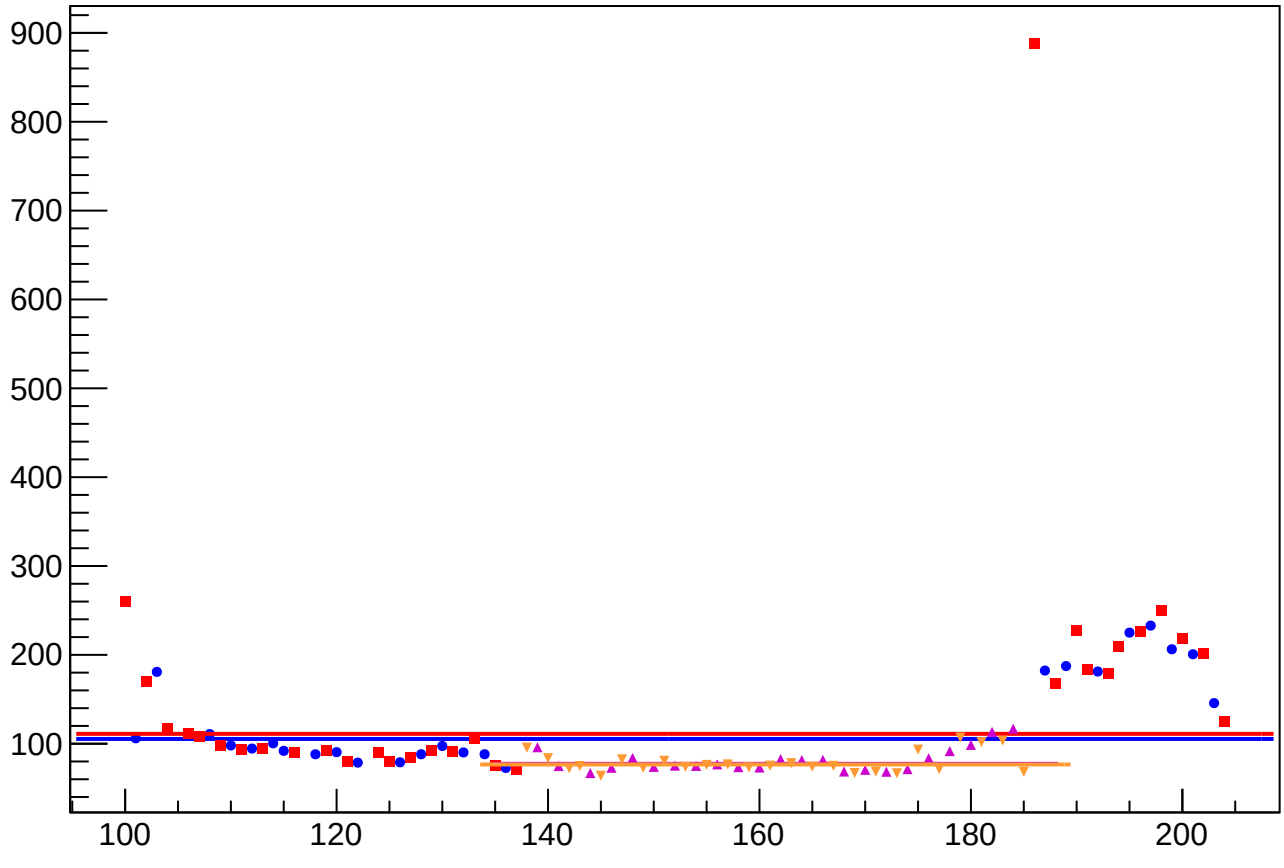
Left: 53.525+/-12.716 χ^2/NDF: 62.3/47

Right: 12.915+/-22.091 χ^2/NDF: 68.5/53

In: 50.434+/-15.825 χ^2/NDF:54.5/46

Out: 36.814+/-15.356 χ^2/NDF:78.4/54

All: 43.419+/-11.020 χ^2/NDF: 133.3/101



Right In: 105.358+/-0.022 χ^2/NDF: 3413709.1/23

Left Out: 76.646+/-0.012 χ^2/NDF:654608.7/24

Right Out: 111.092+/-0.022 χ^2/NDF: 4571331.0/29

Left In: 77.348+/-0.013 χ^2/NDF:590414.8/22

Left: 76.985+/-0.009 χ^2/NDF: 1246545.1/47

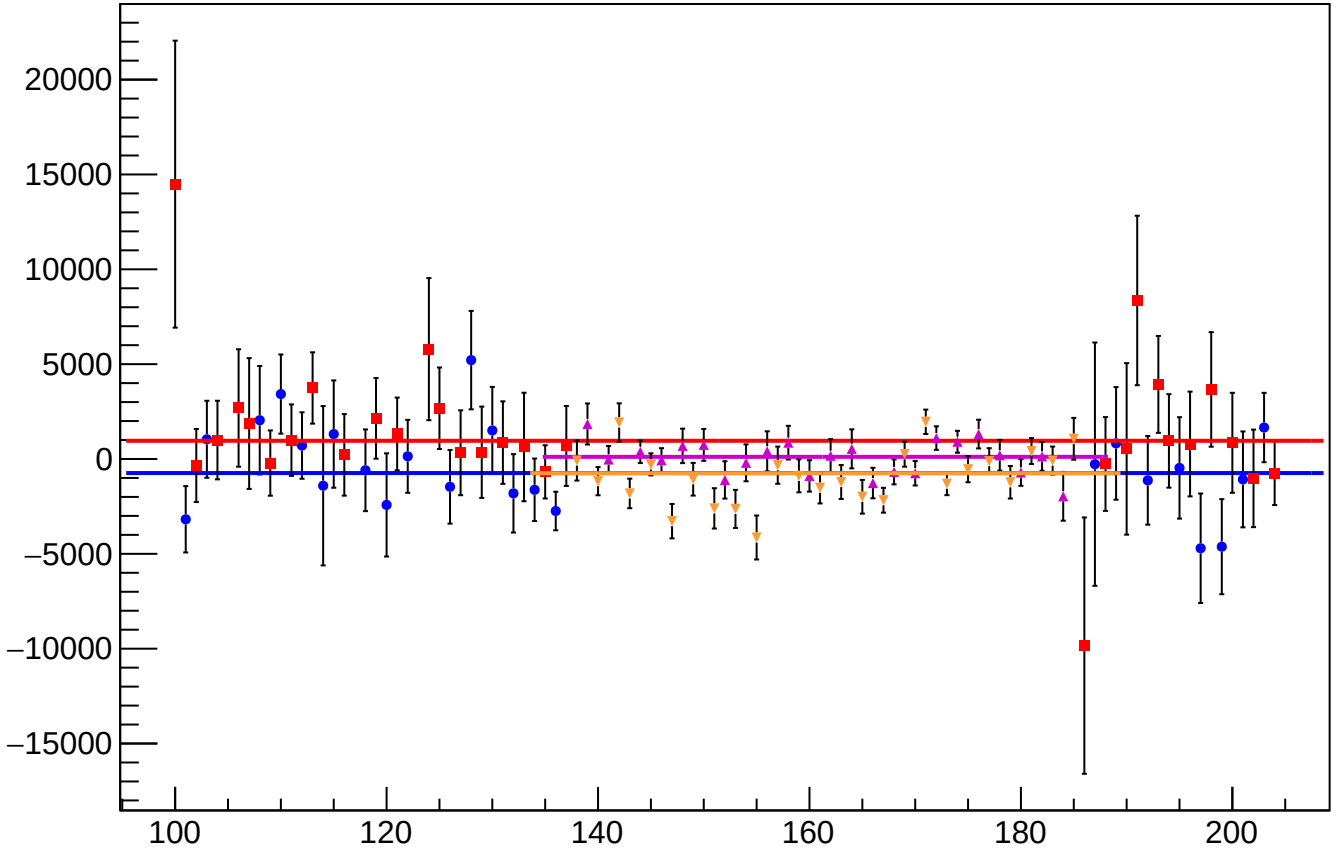
Right: 108.259+/-0.016 χ^2/NDF: 8018720.7/53

In: 84.450+/-0.011 χ^2/NDF:5189899.7/46

Out: 85.067+/-0.011 χ^2/NDF:7084644.3/54

All: 84.768+/-0.008 χ^2/NDF: 12276107.4/101

asym_sam_2468_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -741.682+/-429.489 χ^2/NDF: 26.6/23

Left Out: -749.632+/-158.081 χ^2/NDF:70.0/24

Right Out: 960.470+/-424.832 χ^2/NDF: 20.3/29

Left In: 113.799+/-161.809 χ^2/NDF:25.1/22

Left: -327.978+/-113.075 χ^2/NDF: 109.6/47

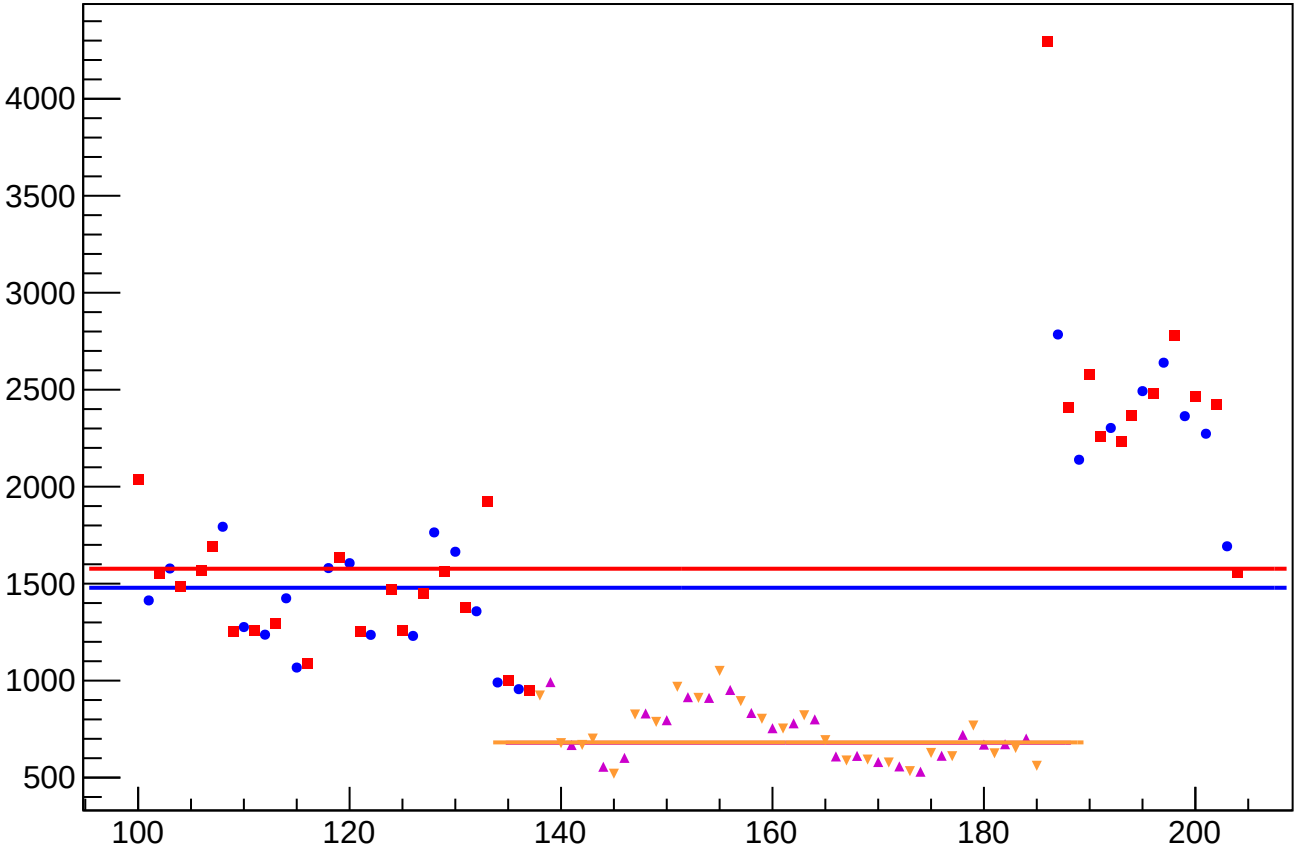
Right: 118.672+/-302.035 χ^2/NDF: 54.9/53

In: 7.466+/-151.419 χ^2/NDF:55.2/46

Out: -541.649+/-148.156 χ^2/NDF:104.6/54

All: -273.072+/-105.897 χ^2/NDF: 166.4/101

asym_sam_2468_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1478.752+/-0.304 χ^2/NDF: 2470140.0/23

Left Out: 681.426+/-0.112 χ^2/NDF:1334214.9/24

Right Out: 1576.963+/-0.300 χ^2/NDF: 2969616.6/29

Left In: 679.414+/-0.114 χ^2/NDF:1185265.0/22

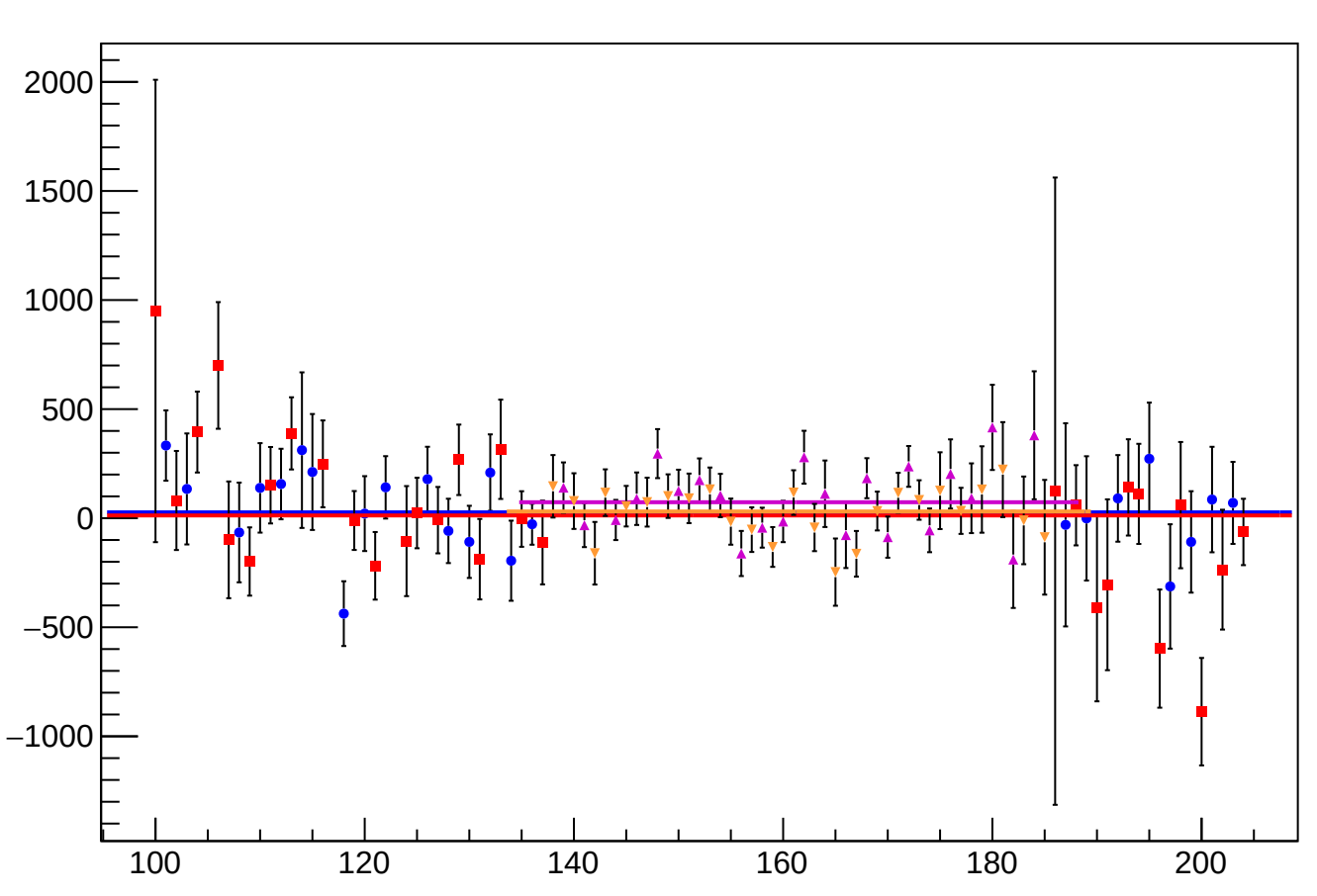
Left: 680.443+/-0.080 χ^2/NDF: 2519638.2/47

Right: 1528.393+/-0.214 χ^2/NDF: 5492615.9/53

In: 778.769+/-0.107 χ^2/NDF:9721987.1/46

Out: 790.342+/-0.105 χ^2/NDF:12110098.4/54

All: 784.681+/-0.075 χ^2/NDF: 21838054.6/10



Right In: 26.704+/-37.212 χ^2/NDF: 24.3/23

Left Out: 30.684+/-22.856 χ^2/NDF:19.9/24

Right Out: 12.559+/-36.276 χ^2/NDF: 50.0/29

Left In: 73.147+/-23.510 χ^2/NDF:34.5/22

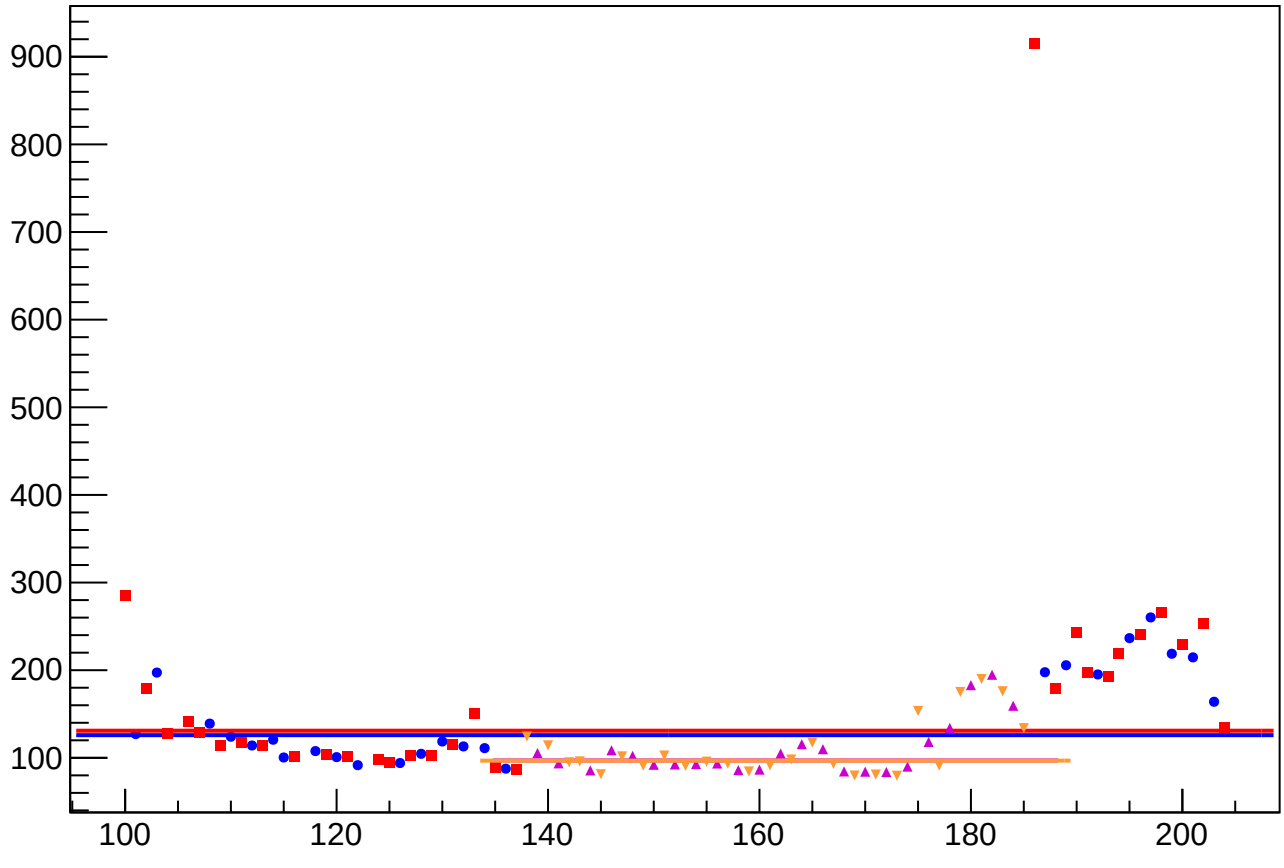
Left: 51.316+/-16.388 χ^2/NDF: 56.1/47

Right: 19.451+/-25.976 χ^2/NDF: 74.4/53

In: 59.898+/-19.876 χ^2/NDF:59.9/46

Out: 25.534+/-19.338 χ^2/NDF:70.2/54

All: 42.244+/-13.860 χ^2/NDF: 131.6/101



Right In: 125.877+/-0.026 χ^2/NDF: 2805872.7/23

Left Out: 96.794+/-0.016 χ^2/NDF:1720415.9/24

Right Out: 130.969+/-0.026 χ^2/NDF: 3868234.2/29

Left In: 97.017+/-0.017 χ^2/NDF:1321187.5/22

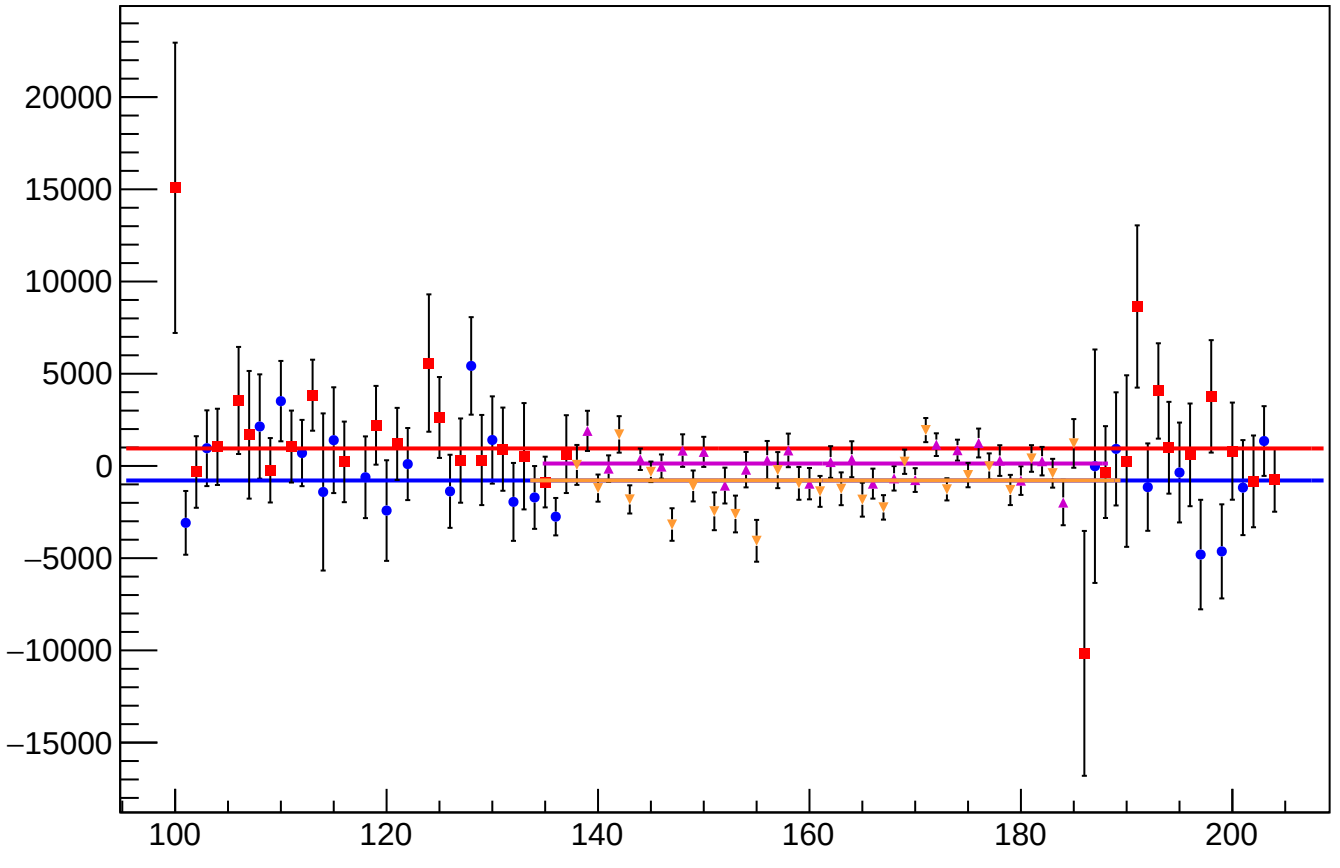
Left: 96.902+/-0.012 χ^2/NDF: 3041695.3/47

Right: 128.488+/-0.018 χ^2/NDF: 6693310.3/53

In: 105.250+/-0.014 χ^2/NDF:4986843.5/46

Out: 106.505+/-0.014 χ^2/NDF:6859265.6/54

All: 105.895+/-0.010 χ^2/NDF: 11850209.0/10



Right In: -788.158+/-436.290 χ^2/NDF: 25.9/23

Left Out: -783.756+/-158.329 χ^2/NDF:66.3/24

Right Out: 948.817+/-428.349 χ^2/NDF: 21.7/29

Left In: 131.380+/-162.409 χ^2/NDF:24.3/22

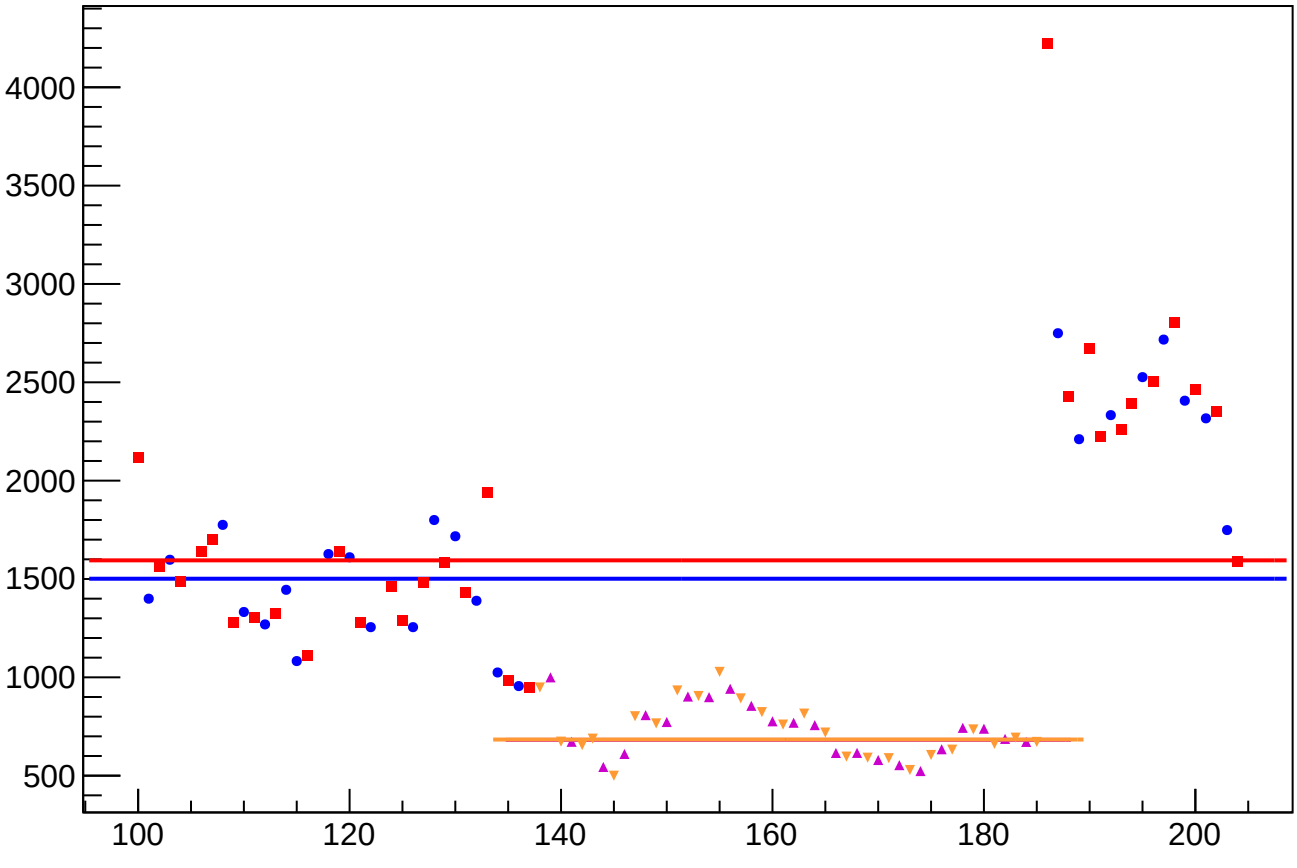
Left: -337.829+/-113.371 χ^2/NDF: 106.9/47

Right: 96.280+/-305.657 χ^2/NDF: 55.7/53

In: 19.467+/-152.206 χ^2/NDF:54.1/46

Out: -575.499+/-148.509 χ^2/NDF:102.5/54

All: -285.330+/-106.294 χ^2/NDF: 164.4/101



Right In: 1501.337+/-0.309 χ^2/NDF: 2513407.1/23

Left Out: 683.698+/-0.112 χ^2/NDF:1297969.4/24

Right Out: 1594.736+/-0.303 χ^2/NDF: 2941590.0/29

Left In: 681.961+/-0.115 χ^2/NDF:1186135.0/22

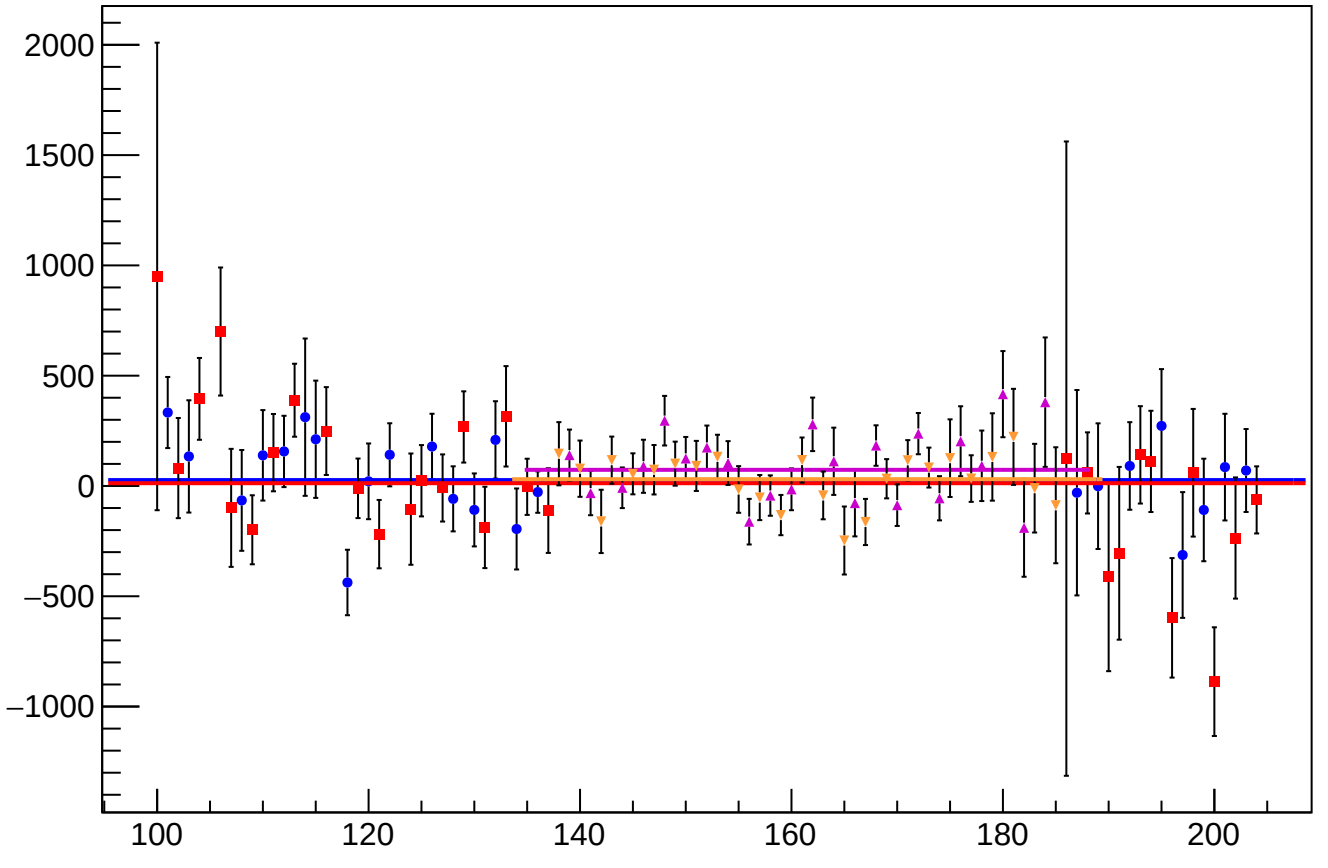
Left: 682.852+/-0.080 χ^2/NDF: 2484221.6/47

Right: 1548.894+/-0.216 χ^2/NDF: 5501667.2/53

In: 781.685+/-0.108 χ^2/NDF:9895181.6/46

Out: 793.205+/-0.105 χ^2/NDF:12199166.6/54

All: 787.587+/-0.075 χ^2/NDF: 22100218.5/10



Right In: 26.704+/-37.212 χ^2/NDF: 24.3/23

Left Out: 30.684+/-22.856 χ^2/NDF:19.9/24

Right Out: 12.558+/-36.276 χ^2/NDF: 50.0/29

Left In: 73.146+/-23.510 χ^2/NDF:34.5/22

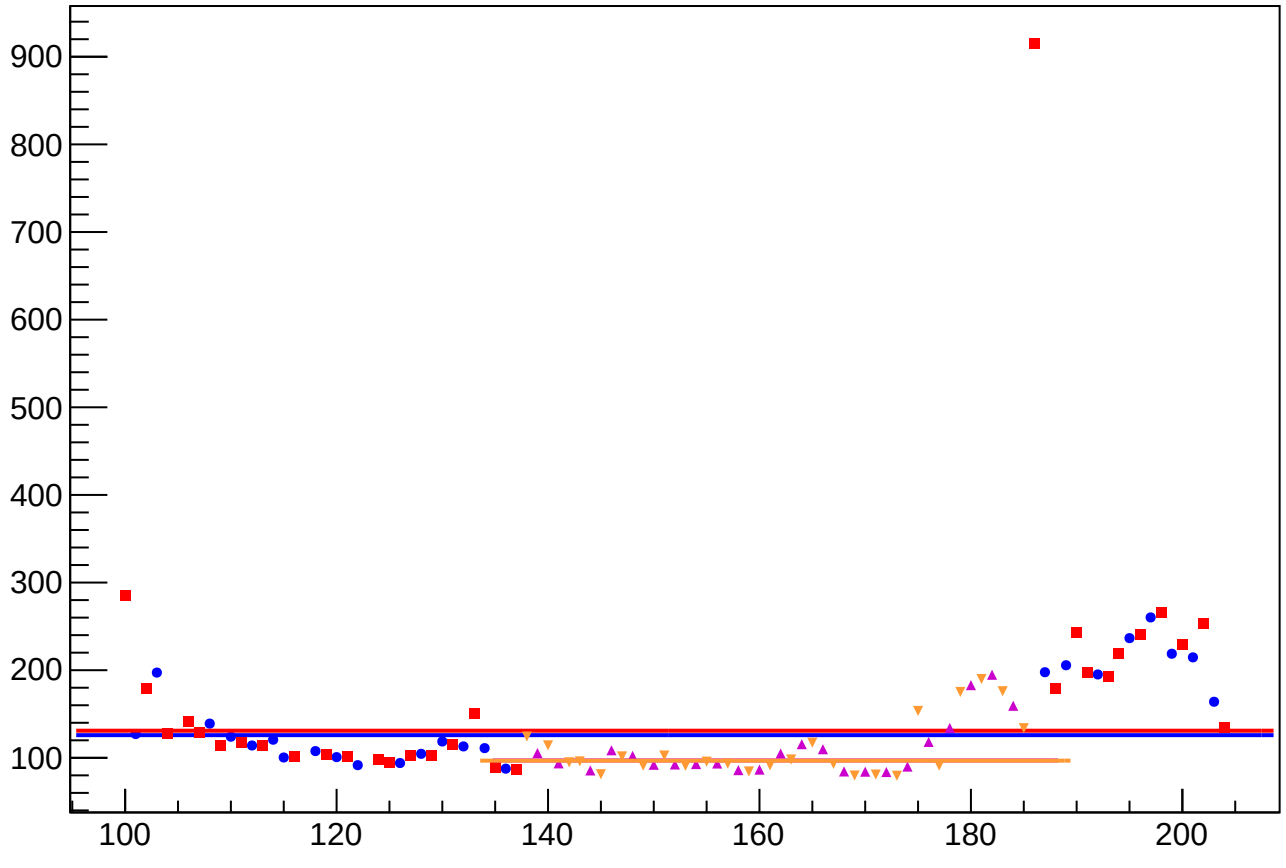
Left: 51.316+/-16.388 χ^2/NDF: 56.1/47

Right: 19.451+/-25.976 χ^2/NDF: 74.4/53

In: 59.897+/-19.876 χ^2/NDF:59.9/46

Out: 25.534+/-19.338 χ^2/NDF:70.2/54

All: 42.244+/-13.860 χ^2/NDF: 131.6/101



Right In: 125.876+/-0.026 χ^2/NDF: 2805889.2/23

Left Out: 96.795+/-0.016 χ^2/NDF:1720415.9/24

Right Out: 130.968+/-0.026 χ^2/NDF: 3868269.0/29

Left In: 97.017+/-0.017 χ^2/NDF:1321171.2/22

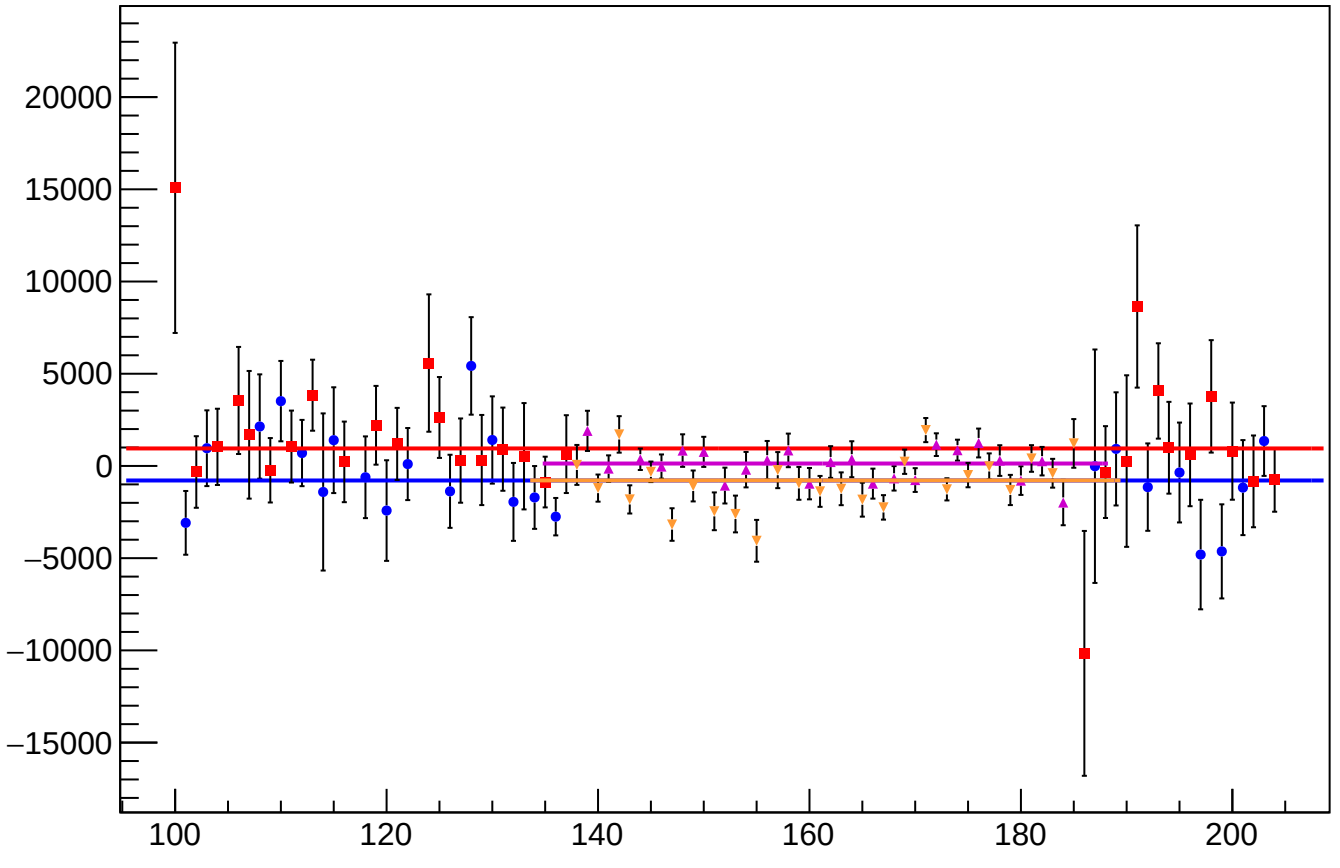
Left: 96.903+/-0.012 χ^2/NDF: 3041679.0/47

Right: 128.487+/-0.018 χ^2/NDF: 6693362.9/53

In: 105.250+/-0.014 χ^2/NDF:4986781.7/46

Out: 106.506+/-0.014 χ^2/NDF:6859233.2/54

All: 105.895+/-0.010 χ^2/NDF: 11850115.0/10



Right In: -788.153+/-436.289 χ^2/NDF: 25.9/23

Left Out: -783.754+/-158.328 χ^2/NDF:66.3/24

Right Out: 948.816+/-428.348 χ^2/NDF: 21.7/29

Left In: 131.379+/-162.409 χ^2/NDF:24.3/22

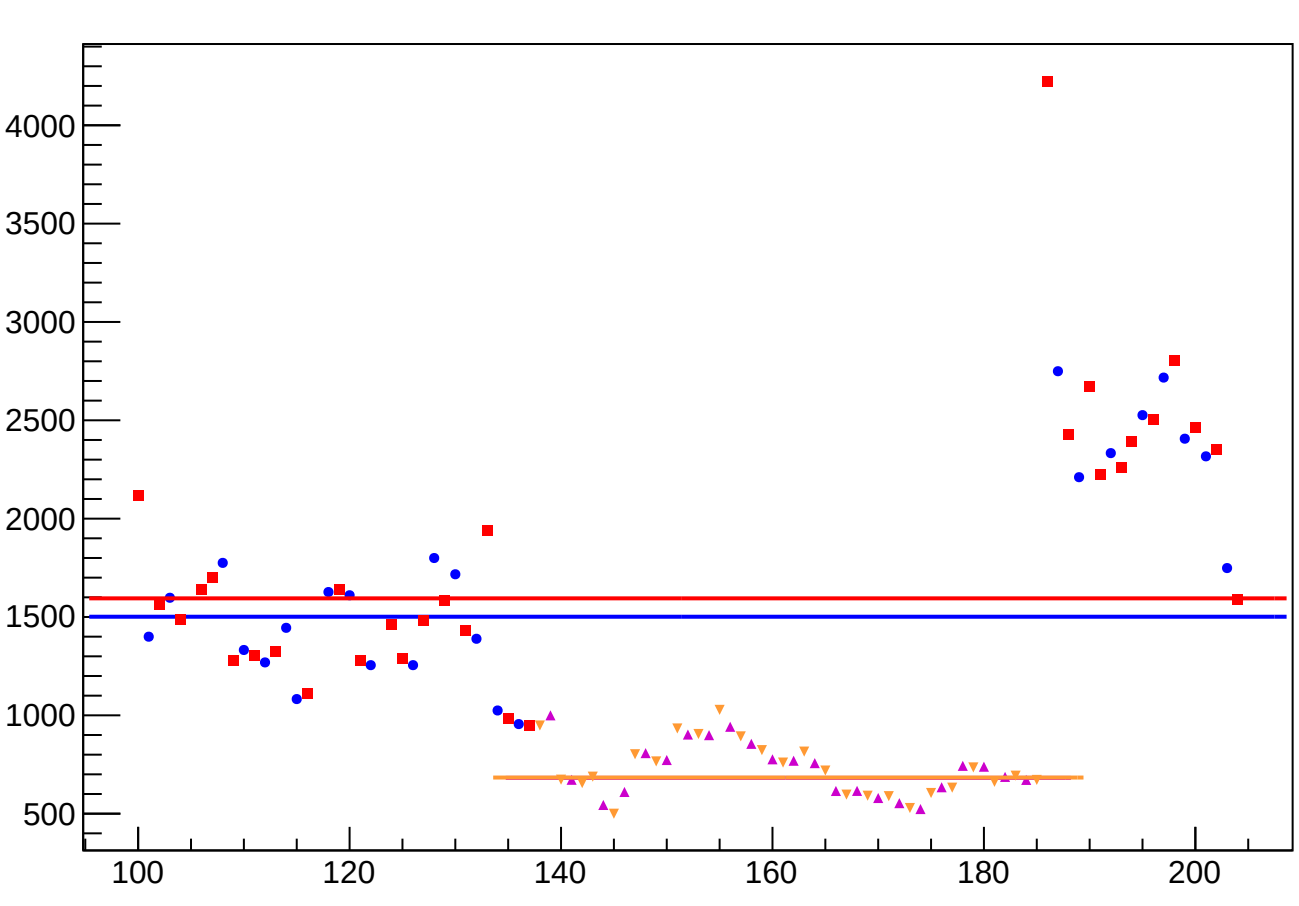
Left: -337.829+/-113.370 χ^2/NDF: 106.9/47

Right: 96.283+/-305.657 χ^2/NDF: 55.7/53

In: 19.467+/-152.205 χ^2/NDF:54.1/46

Out: -575.498+/-148.508 χ^2/NDF:102.5/54

All: -285.329+/-106.294 χ^2/NDF: 164.4/101



Right In: 1501.334+/-0.309 χ^2/NDF: 2513412.4/23

Left Out: 683.696+/-0.112 χ^2/NDF:1297975.5/24

Right Out: 1594.733+/-0.303 χ^2/NDF: 2941599.2/29

Left In: 681.960+/-0.115 χ^2/NDF:1186136.6/22

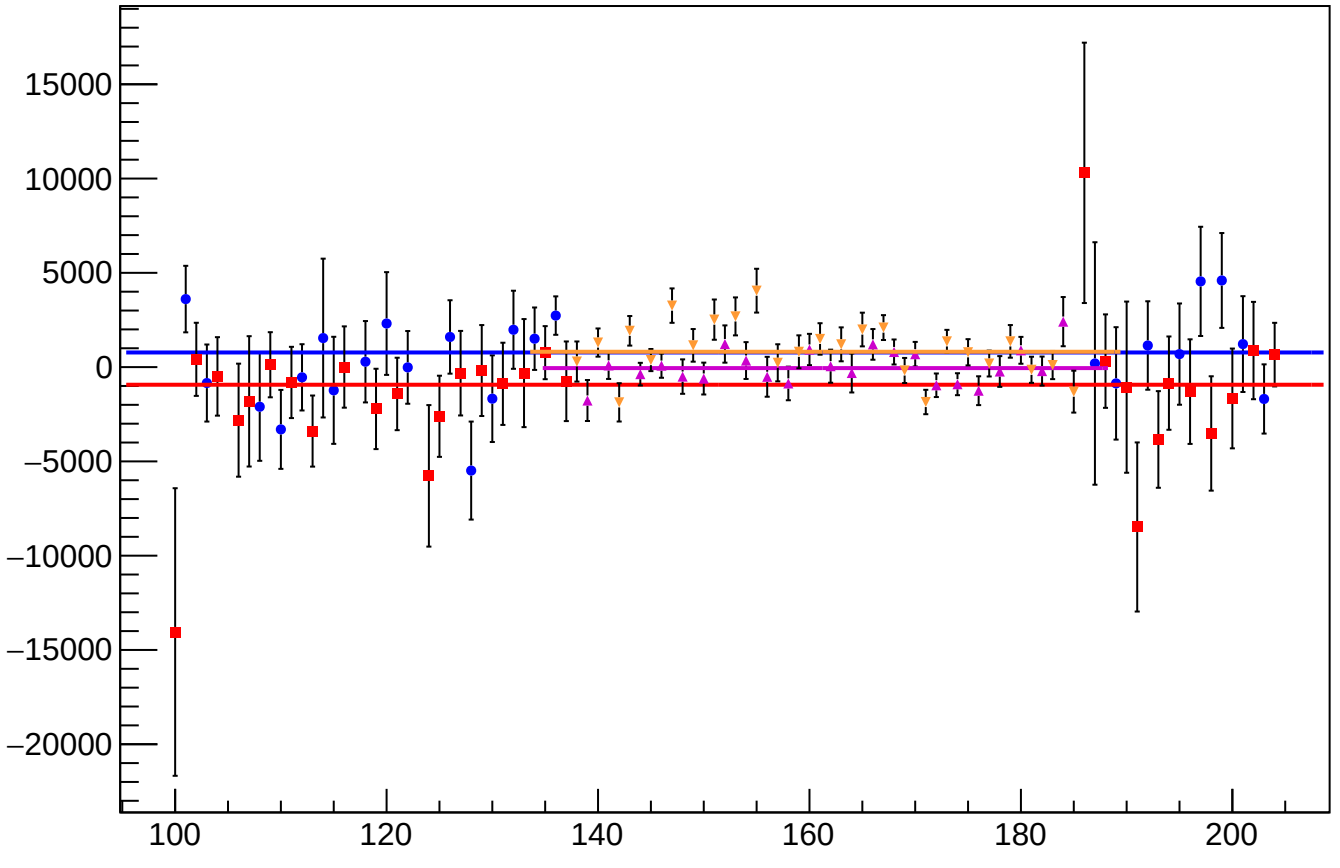
Left: 682.850+/-0.080 χ^2/NDF: 2484229.4/47

Right: 1548.891+/-0.216 χ^2/NDF: 5501681.6/53

In: 781.683+/-0.108 χ^2/NDF:9895188.7/46

Out: 793.204+/-0.105 χ^2/NDF:12199180.8/54

All: 787.585+/-0.075 χ^2/NDF: 22100239.8/10



Right In: 776.492+/-431.084 χ^2/NDF: 27.2/23

Left Out: 814.067+/-159.256 χ^2/NDF:65.8/24

Right Out: -934.535+/-425.933 χ^2/NDF: 19.8/29

Left In: -52.290+/-163.036 χ^2/NDF:25.4/22

Left: 391.048+/-113.924 χ^2/NDF: 105.6/47

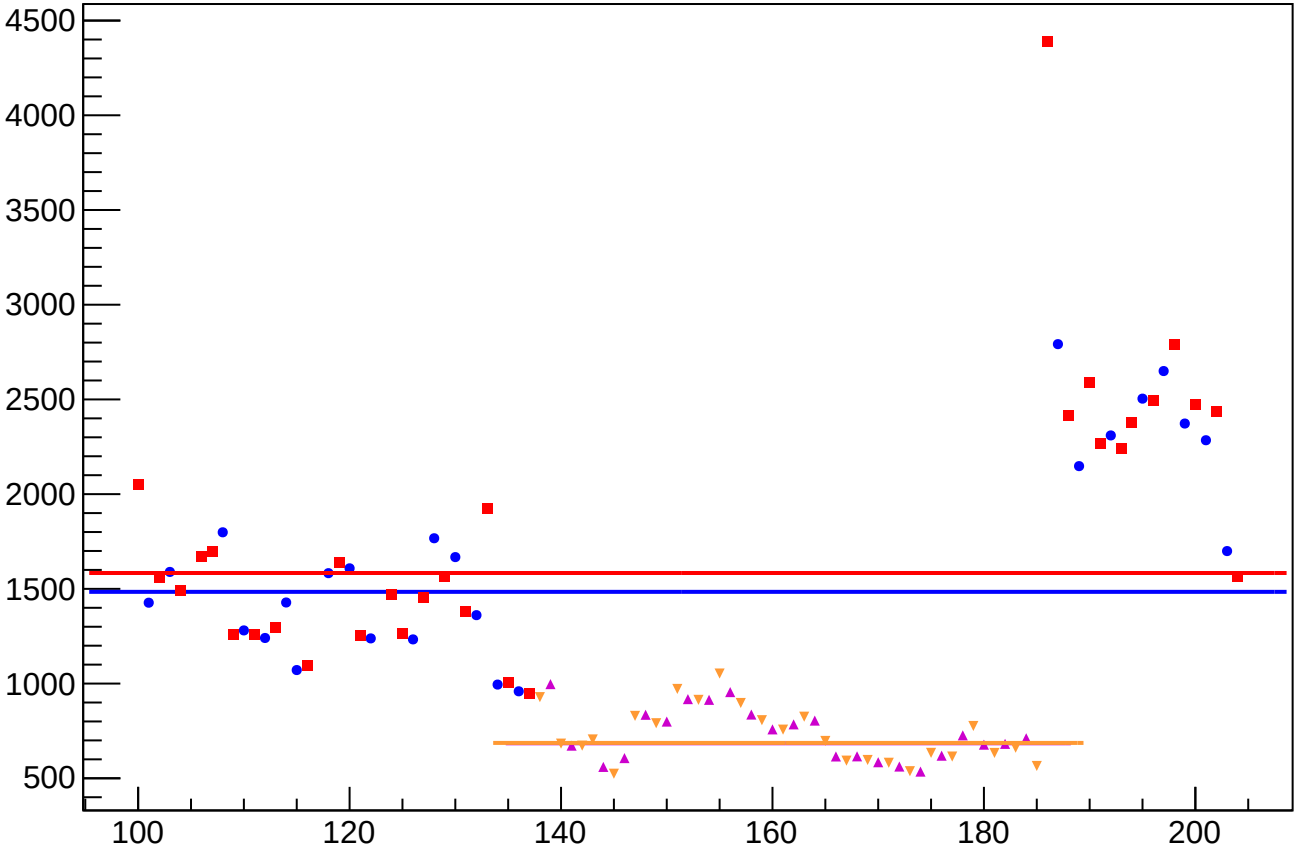
Right: -89.305+/-302.985 χ^2/NDF: 54.9/53

In: 51.421+/-152.494 χ^2/NDF:55.8/46

Out: 599.595+/-149.170 χ^2/NDF:100.4/54

All: 331.548+/-106.635 χ^2/NDF: 162.7/101

asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 1484.212+/-0.305 χ^2/NDF: 2472307.0/23

Left Out: 686.700+/-0.113 χ^2/NDF:1312231.8/24

Right Out: 1583.728+/-0.301 χ^2/NDF: 2983493.9/29

Left In: 684.763+/-0.115 χ^2/NDF:1165205.5/22

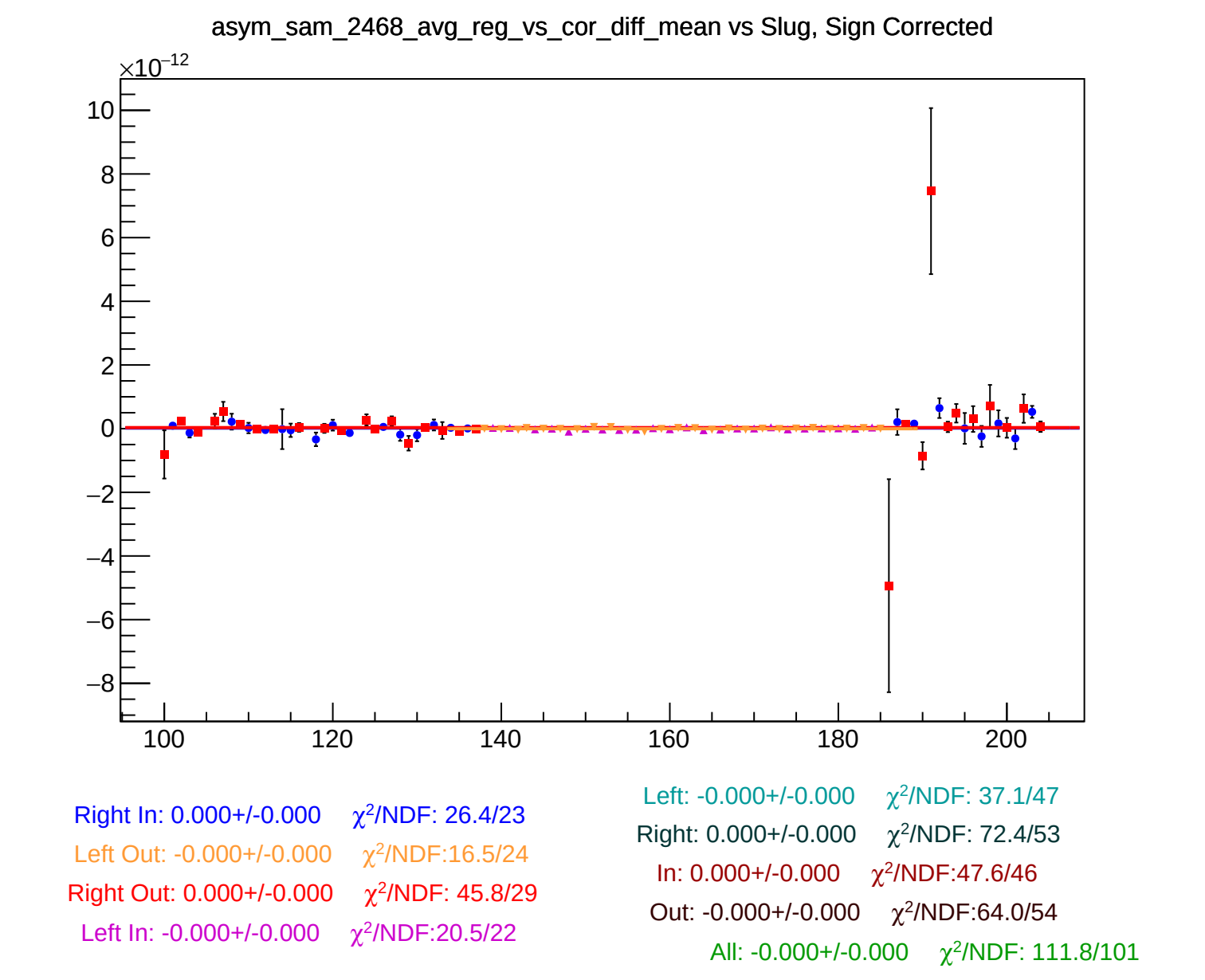
Left: 685.754+/-0.081 χ^2/NDF: 2477581.6/47

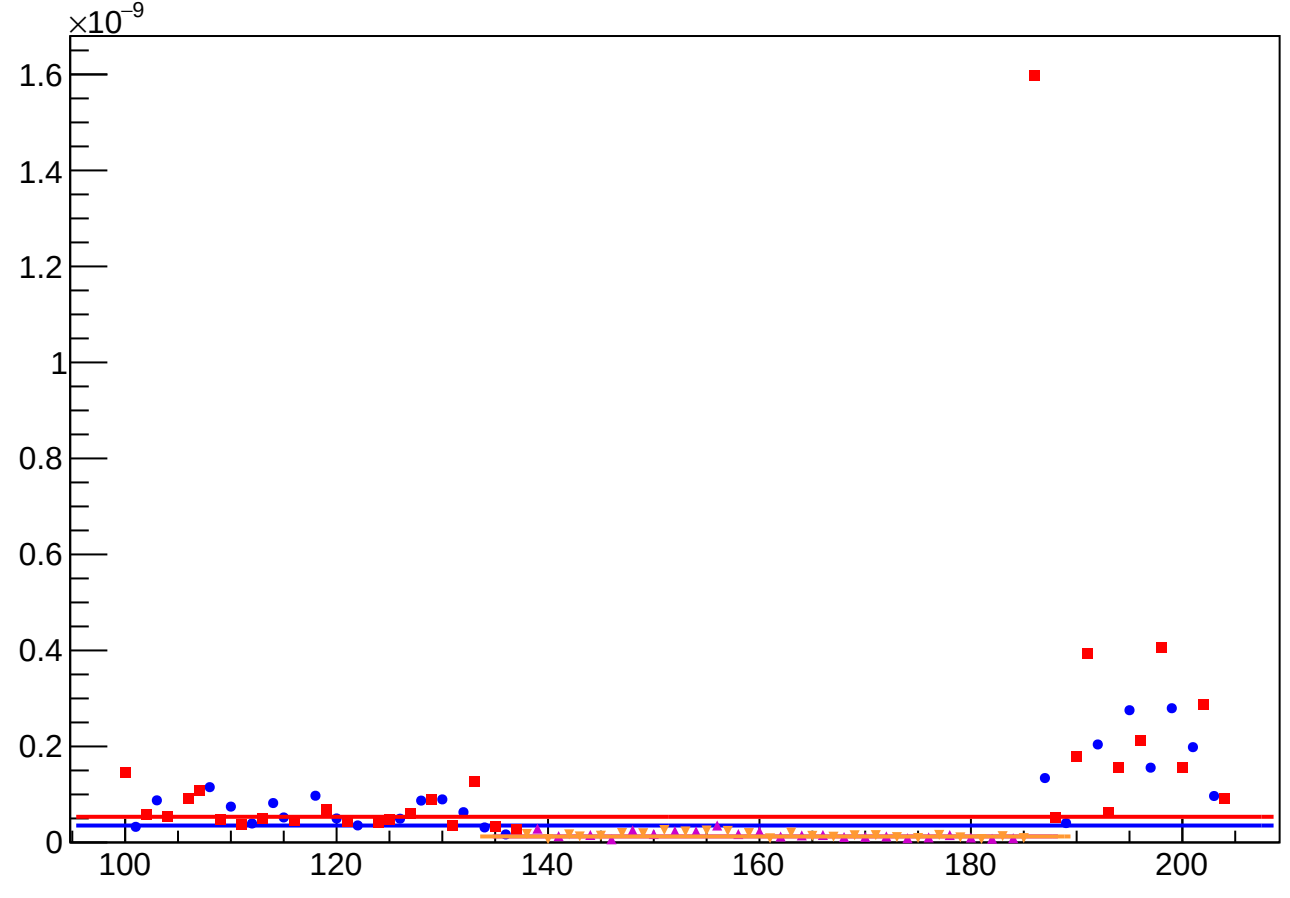
Right: 1534.568+/-0.214 χ^2/NDF: 5509733.1/53

In: 784.803+/-0.108 χ^2/NDF:9655176.7/46

Out: 796.724+/-0.105 χ^2/NDF:12078434.9/54

All: 790.895+/-0.075 χ^2/NDF: 21739856.7/10


asym_sam_2468_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
10
8
6
4
2
0
−2
−4
−6
−8
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 26.4/23
Left Out: -0.000+/-0.000 χ²/NDF:16.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 45.8/29
Left In: -0.000+/-0.000 χ²/NDF:20.5/22
Left: -0.000+/-0.000 χ²/NDF: 37.1/47
Right: 0.000+/-0.000 χ²/NDF: 72.4/53
In: 0.000+/-0.000 χ²/NDF:47.6/46
Out: -0.000+/-0.000 χ²/NDF:64.0/54
All: -0.000+/-0.000 χ²/NDF: 111.8/101



Right In: 0.000+/-0.000 χ^2/NDF: 4870805.3/23

Left Out: 0.000+/-0.000 χ^2/NDF:1742020.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3441406.3/29

Left In: 0.000+/-0.000 χ^2/NDF:1961578.1/22

Left: 0.000+/-0.000 χ^2/NDF: 3704338.4/47

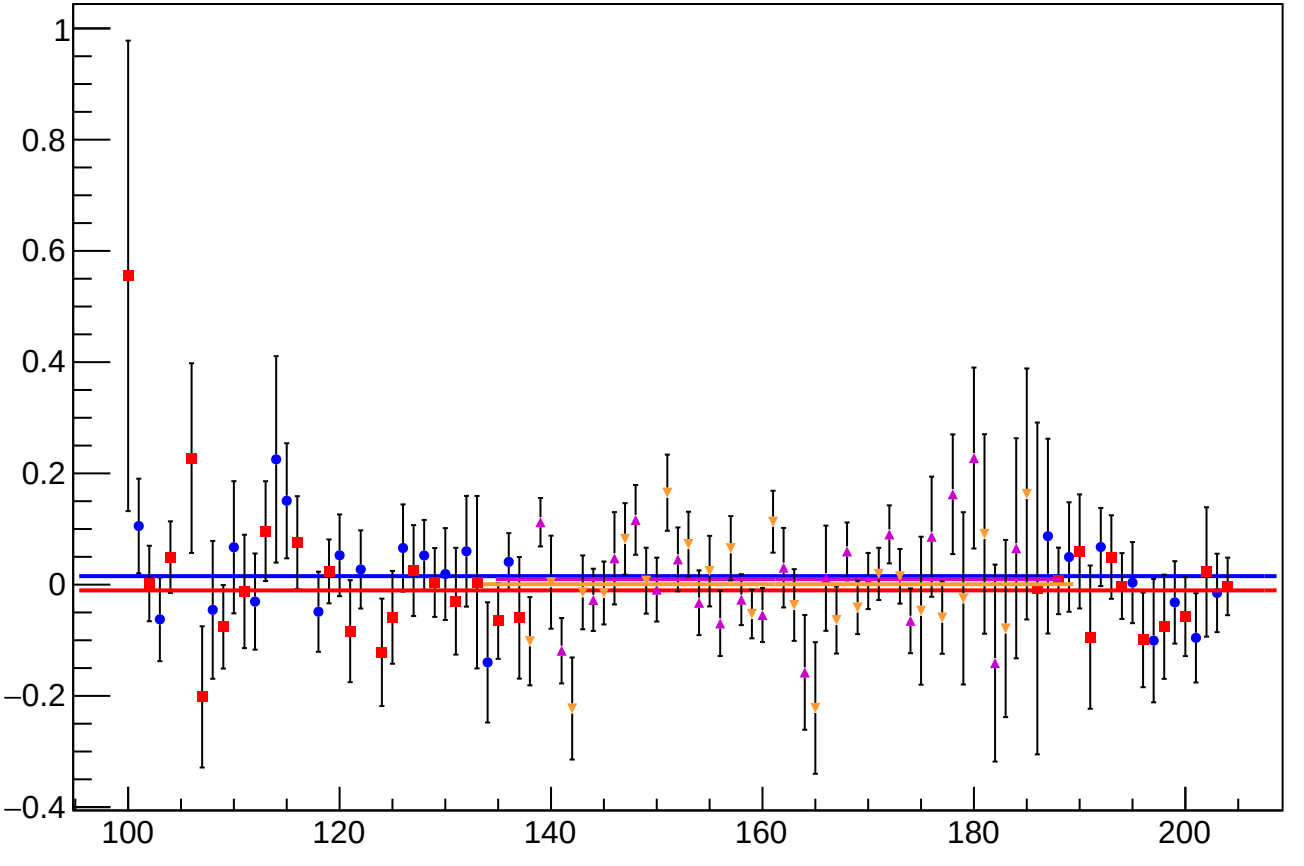
Right: 0.000+/-0.000 χ^2/NDF: 8897348.9/53

In: 0.000+/-0.000 χ^2/NDF:9025473.2/46

Out: 0.000+/-0.000 χ^2/NDF:9836206.5/54

All: 0.000+/-0.000 χ^2/NDF: 18861701.3/101

asym_sam_2468_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.015+/-0.017 χ^2/NDF: 14.7/23

Left Out: 0.001+/-0.013 χ^2/NDF:31.7/24

Right Out: -0.010+/-0.015 χ^2/NDF: 17.7/29

Left In: 0.010+/-0.013 χ^2/NDF:31.9/22

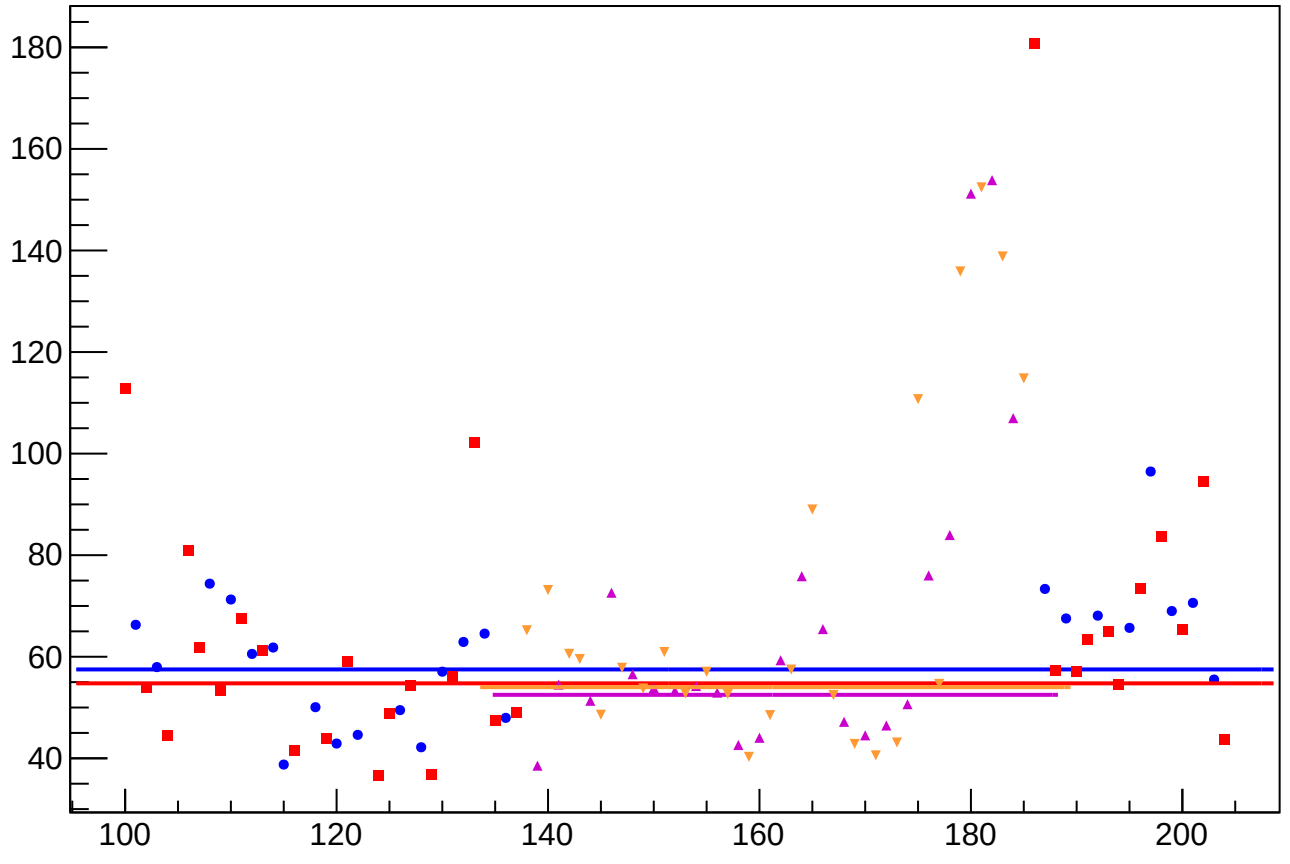
Left: 0.005+/-0.009 χ^2/NDF: 63.8/47

Right: 0.001+/-0.011 χ^2/NDF: 33.7/53

In: 0.012+/-0.010 χ^2/NDF:46.7/46

Out: -0.004+/-0.010 χ^2/NDF:49.7/54

All: 0.004+/-0.007 χ^2/NDF: 97.6/101



Right In: 57.502+/-0.012 χ^2/NDF: 998337.9/23

Left Out: 54.014+/-0.009 χ^2/NDF:3227550.5/24

Right Out: 54.763+/-0.011 χ^2/NDF: 1838016.4/29

Left In: 52.502+/-0.009 χ^2/NDF:2557763.5/22

Left: 53.257+/-0.007 χ^2/NDF: 5798378.9/47

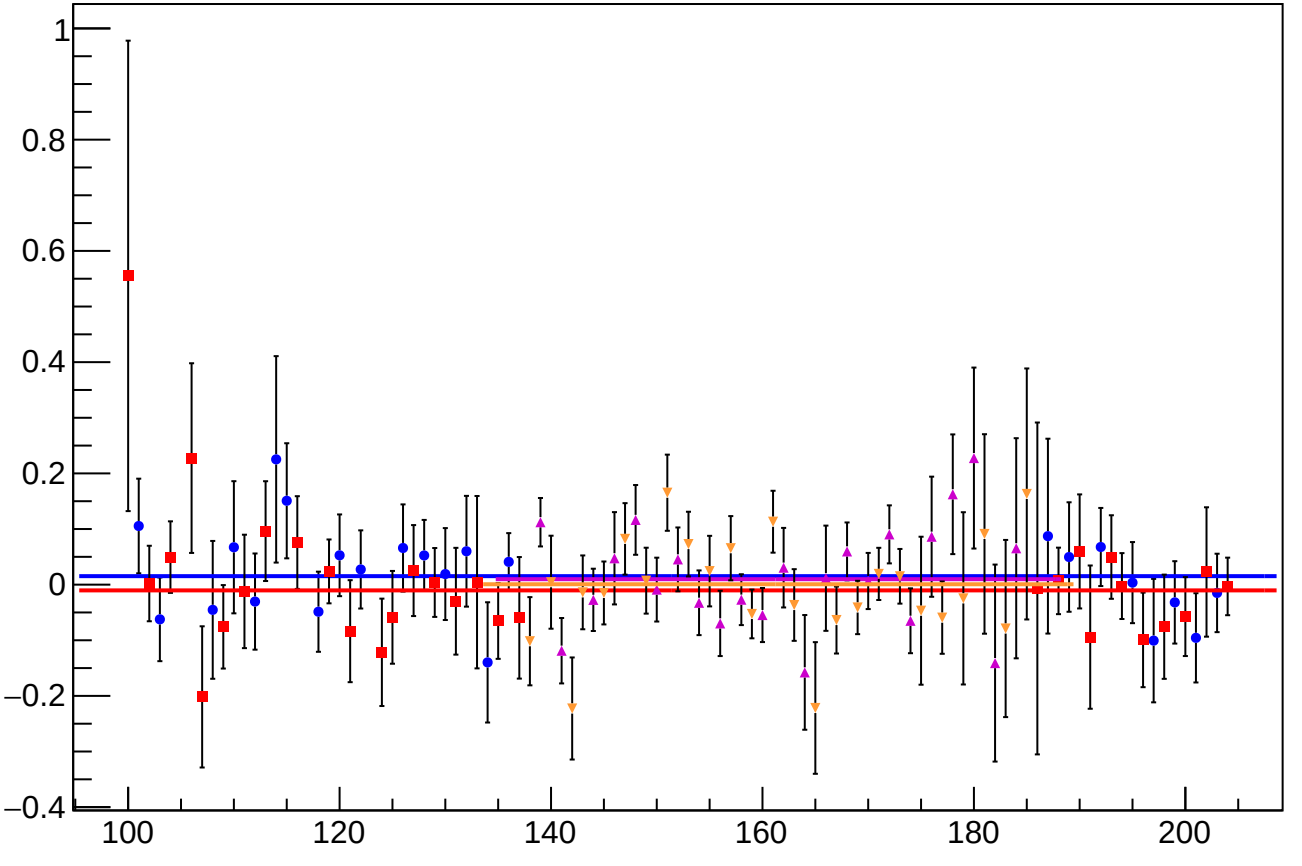
Right: 55.980+/-0.008 χ^2/NDF: 2865959.3/53

In: 54.416+/-0.007 χ^2/NDF:3665638.0/46

Out: 54.342+/-0.007 χ^2/NDF:5068370.0/54

All: 54.377+/-0.005 χ^2/NDF: 8734061.7/101

asym_sam_2468_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.015+/-0.017 χ^2/NDF: 14.7/23

Left Out: 0.001+/-0.013 χ^2/NDF:31.7/24

Right Out: -0.010+/-0.015 χ^2/NDF: 17.7/29

Left In: 0.010+/-0.013 χ^2/NDF:31.9/22

Left: 0.005+/-0.009 χ^2/NDF: 63.8/47

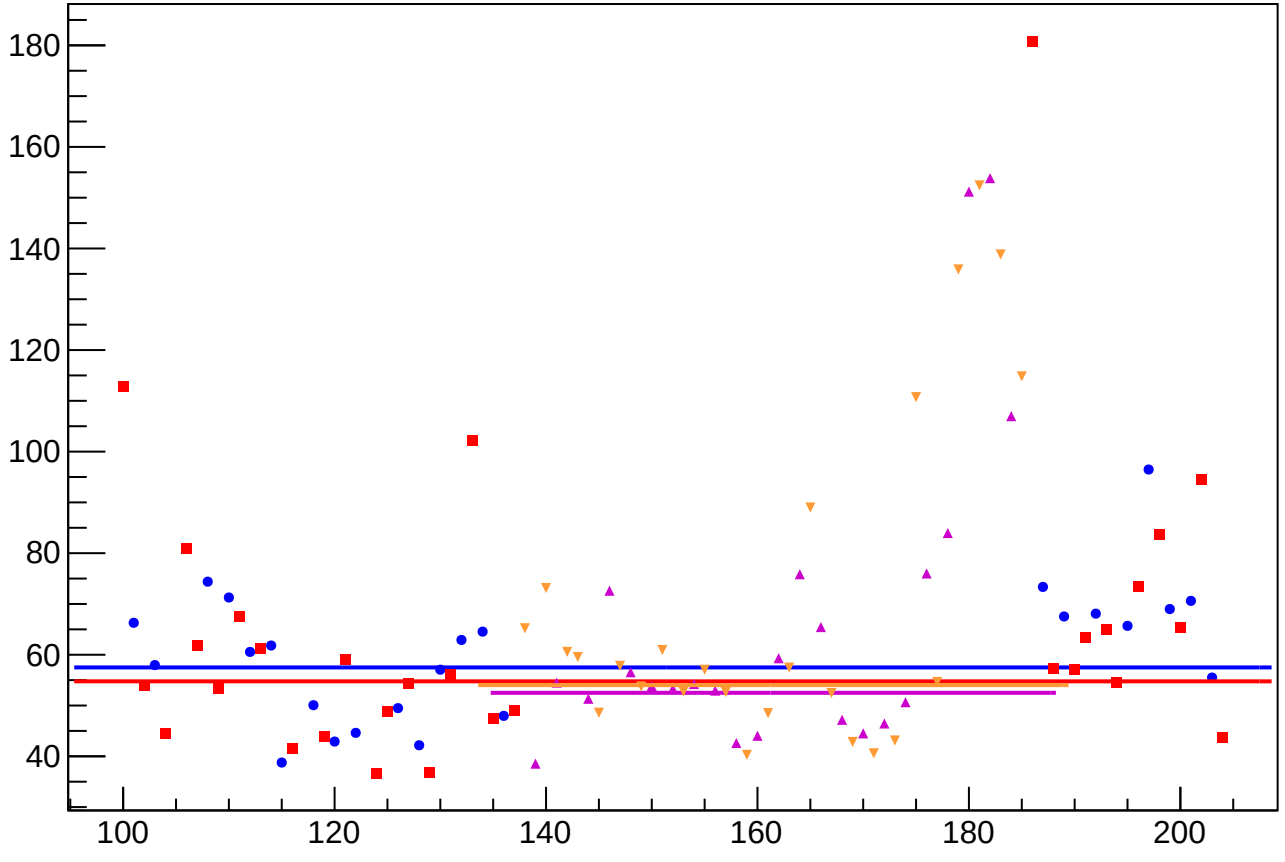
Right: 0.001+/-0.011 χ^2/NDF: 33.7/53

In: 0.012+/-0.010 χ^2/NDF:46.7/46

Out: -0.004+/-0.010 χ^2/NDF:49.7/54

All: 0.004+/-0.007 χ^2/NDF: 97.6/101

asym_sam_2468_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 57.502+/-0.012 χ^2/NDF: 998337.9/23

Left Out: 54.014+/-0.009 χ^2/NDF:3227550.5/24

Right Out: 54.763+/-0.011 χ^2/NDF: 1838016.4/29

Left In: 52.502+/-0.009 χ^2/NDF:2557763.5/22

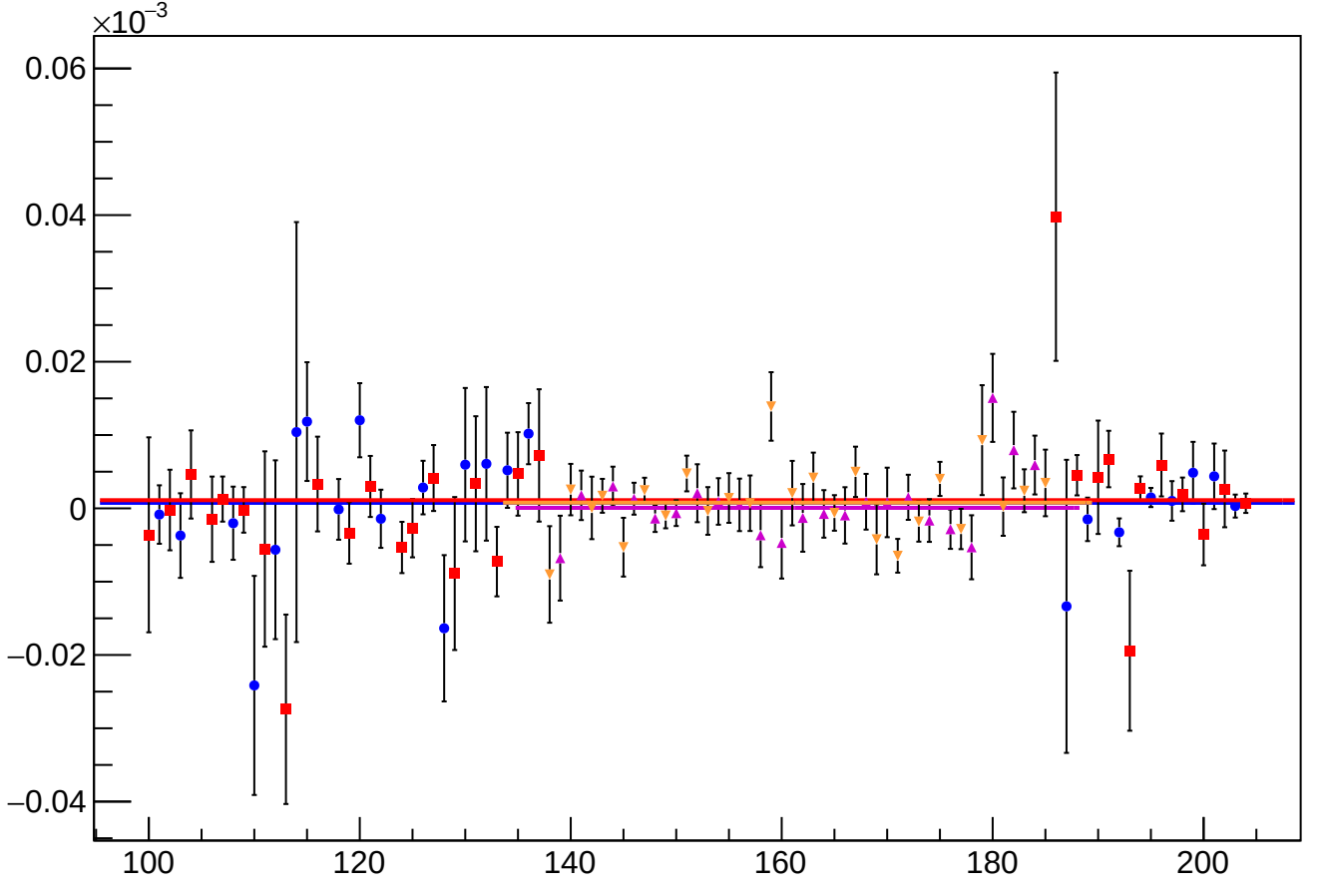
Left: 53.257+/-0.007 χ^2/NDF: 5798378.9/47

Right: 55.980+/-0.008 χ^2/NDF: 2865959.3/53

In: 54.416+/-0.007 χ^2/NDF:3665638.0/46

Out: 54.342+/-0.007 χ^2/NDF:5068370.0/54

All: 54.377+/-0.005 χ^2/NDF: 8734061.7/101



Right In: 0.000+/-0.000 χ^2/NDF: 28.7/23

Left Out: 0.000+/-0.000 χ^2/NDF:38.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 32.1/29

Left In: 0.000+/-0.000 χ^2/NDF:20.2/22

Left: 0.000+/-0.000 χ^2/NDF: 58.9/47

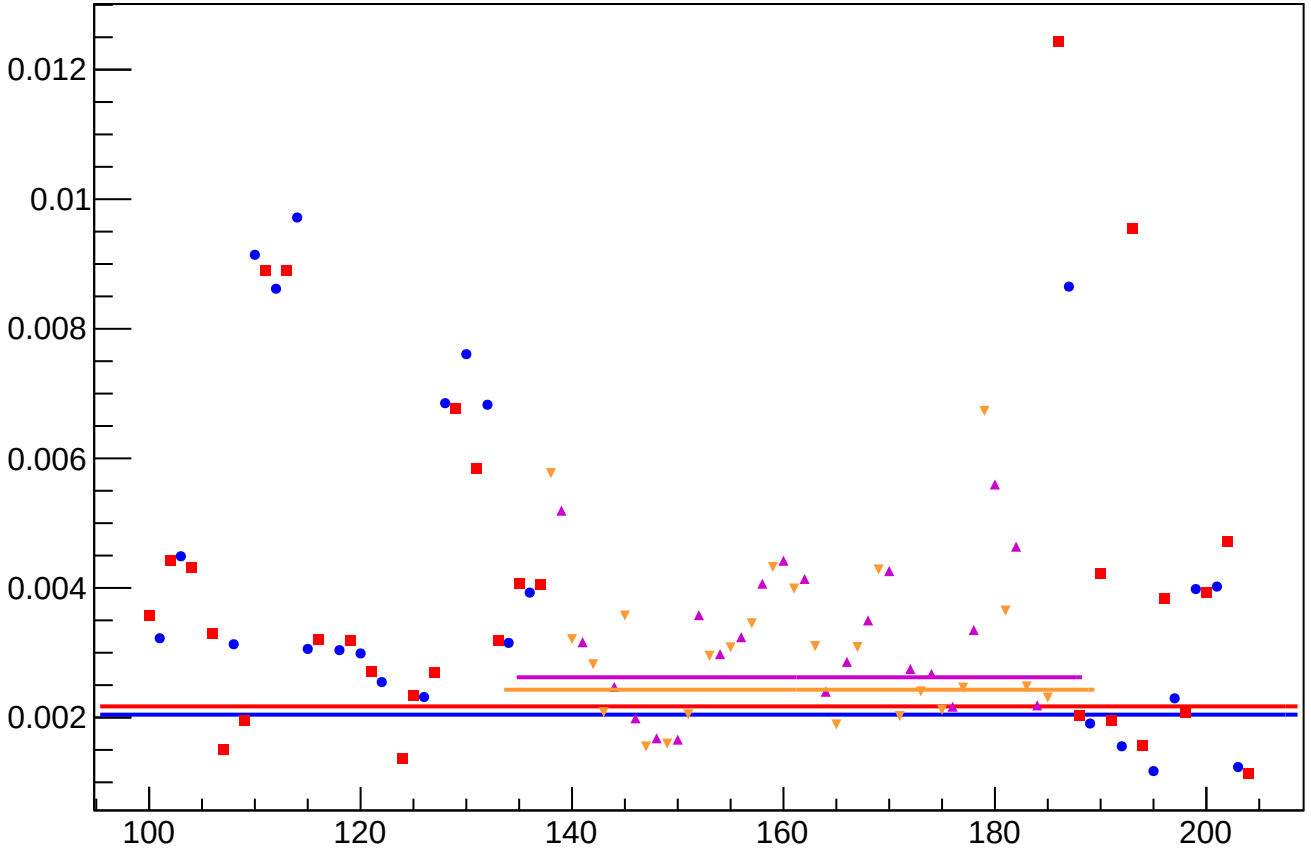
Right: 0.000+/-0.000 χ^2/NDF: 60.9/53

In: 0.000+/-0.000 χ^2/NDF:49.4/46

Out: 0.000+/-0.000 χ^2/NDF:70.4/54

All: 0.000+/-0.000 χ^2/NDF: 120.4/101

asym_sam_2468_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 6622037.0/23

Left Out: 0.002+/-0.000 χ^2/NDF:4218362.5/24

Right Out: 0.002+/-0.000 χ^2/NDF: 7528828.0/29

Left In: 0.003+/-0.000 χ^2/NDF:3955310.5/22

Left: 0.003+/-0.000 χ^2/NDF: 8267035.6/47

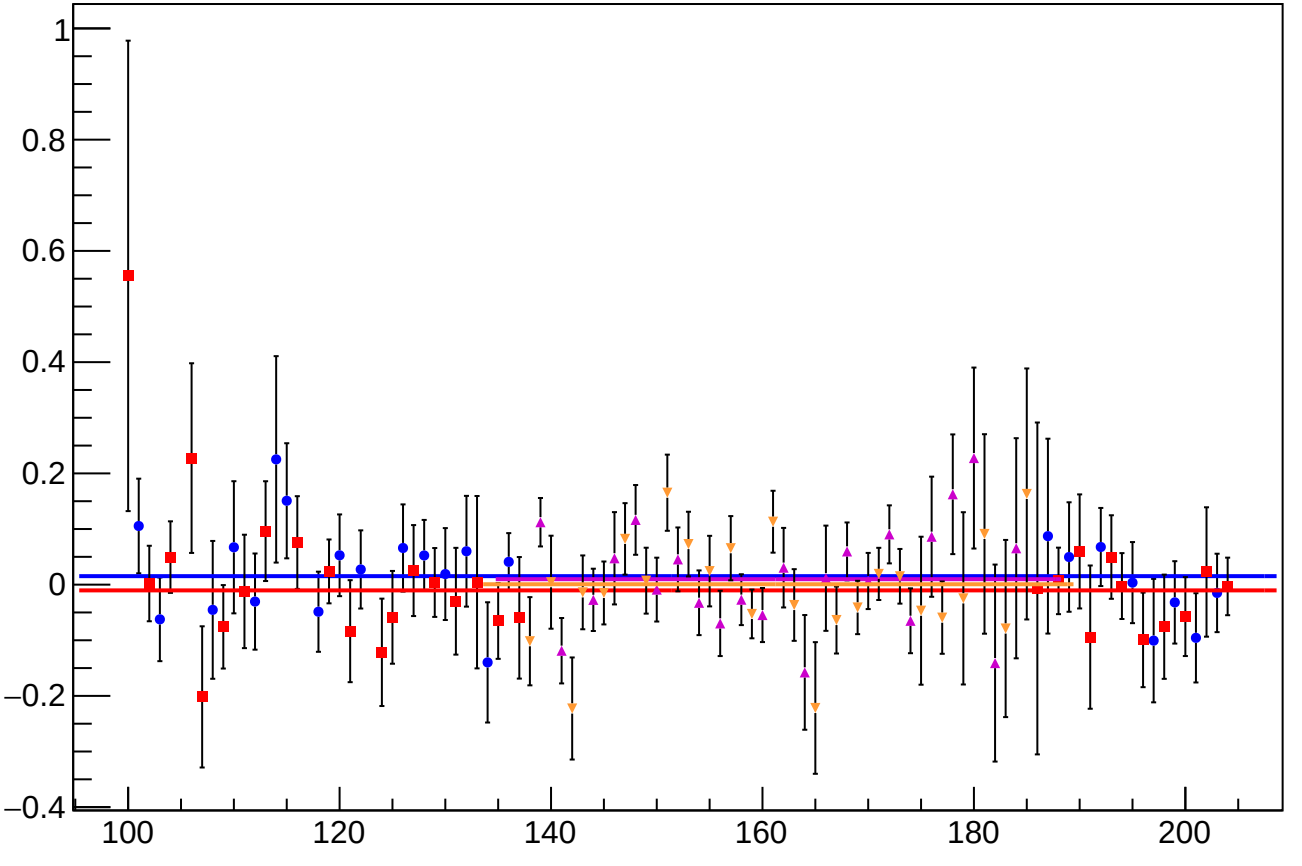
Right: 0.002+/-0.000 χ^2/NDF: 14186733.0/53

In: 0.002+/-0.000 χ^2/NDF:11315721.3/46

Out: 0.002+/-0.000 χ^2/NDF:11914757.2/54

All: 0.002+/-0.000 χ^2/NDF: 23233566.0/101

asym_sam_2468_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.015+/-0.017 χ^2/NDF: 14.7/23

Left Out: 0.001+/-0.013 χ^2/NDF:31.7/24

Right Out: -0.010+/-0.015 χ^2/NDF: 17.7/29

Left In: 0.010+/-0.013 χ^2/NDF:31.9/22

Left: 0.005+/-0.009 χ^2/NDF: 63.8/47

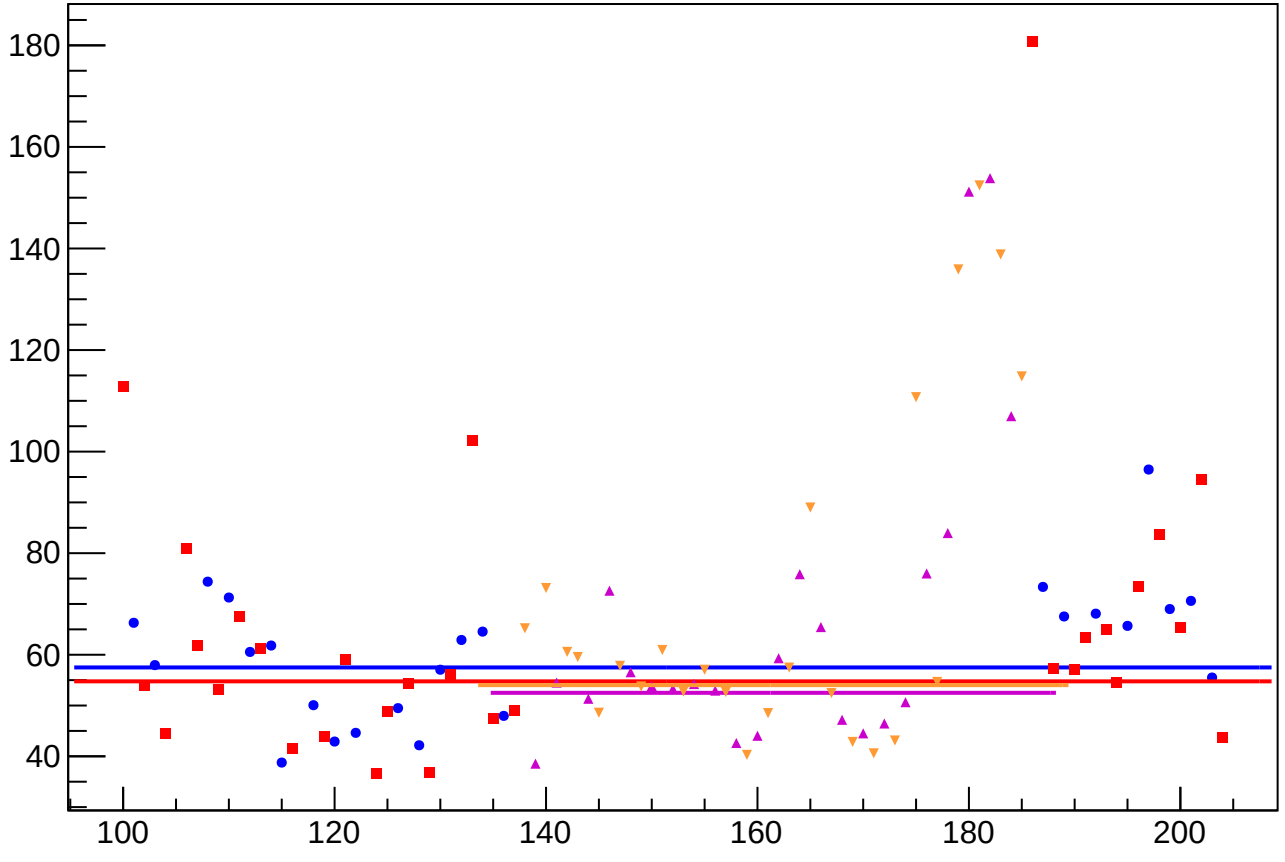
Right: 0.001+/-0.011 χ^2/NDF: 33.7/53

In: 0.012+/-0.010 χ^2/NDF:46.7/46

Out: -0.004+/-0.010 χ^2/NDF:49.7/54

All: 0.004+/-0.007 χ^2/NDF: 97.6/101

asym_sam_2468_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 57.501+/-0.012 χ^2/NDF: 998337.9/23

Left Out: 54.014+/-0.009 χ^2/NDF:3227569.4/24

Right Out: 54.762+/-0.011 χ^2/NDF: 1838088.1/29

Left In: 52.502+/-0.009 χ^2/NDF:2557805.6/22

Left: 53.257+/-0.007 χ^2/NDF: 5798440.6/47

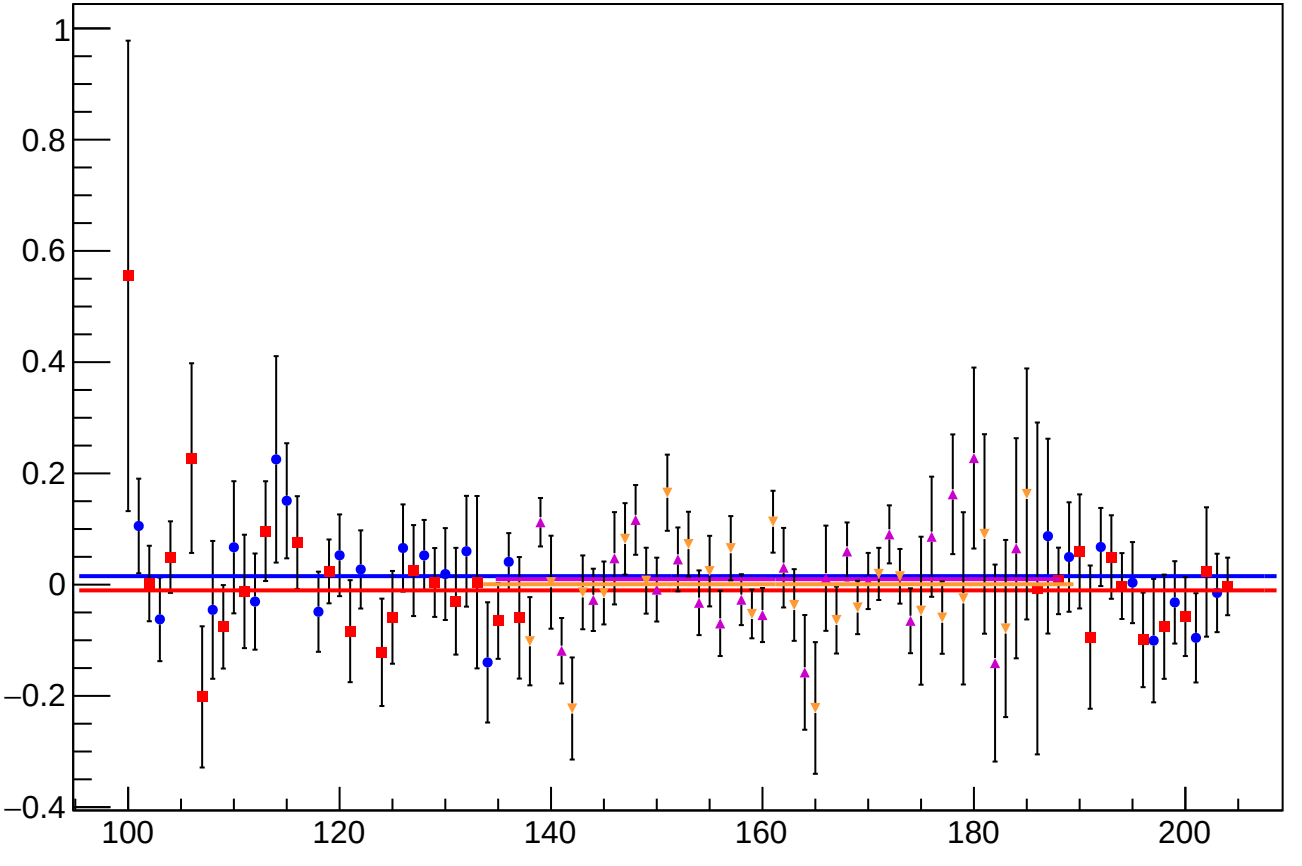
Right: 55.979+/-0.008 χ^2/NDF: 2866027.3/53

In: 54.416+/-0.007 χ^2/NDF:3665623.9/46

Out: 54.342+/-0.007 χ^2/NDF:5068451.8/54

All: 54.377+/-0.005 χ^2/NDF: 8734129.5/101

asym_sam_2468_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.015+/-0.017 χ^2/NDF: 14.7/23

Left Out: 0.001+/-0.013 χ^2/NDF:31.7/24

Right Out: -0.010+/-0.015 χ^2/NDF: 17.7/29

Left In: 0.010+/-0.013 χ^2/NDF:31.9/22

Left: 0.005+/-0.009 χ^2/NDF: 63.8/47

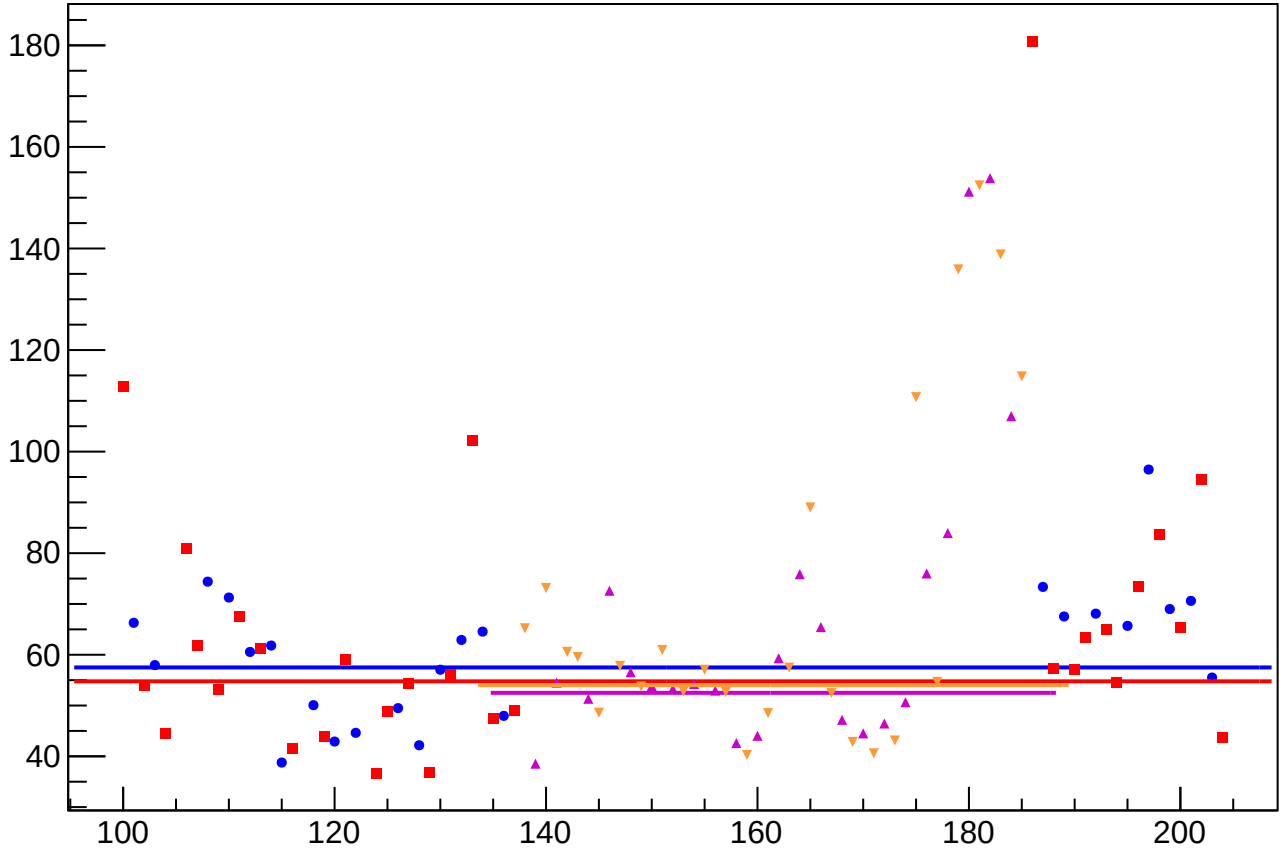
Right: 0.001+/-0.011 χ^2/NDF: 33.7/53

In: 0.012+/-0.010 χ^2/NDF:46.7/46

Out: -0.004+/-0.010 χ^2/NDF:49.7/54

All: 0.004+/-0.007 χ^2/NDF: 97.6/101

asym_sam_2468_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 57.501+/-0.012 χ^2/NDF: 998337.9/23

Left Out: 54.014+/-0.009 χ^2/NDF:3227569.4/24

Right Out: 54.762+/-0.011 χ^2/NDF: 1838088.1/29

Left In: 52.502+/-0.009 χ^2/NDF:2557805.6/22

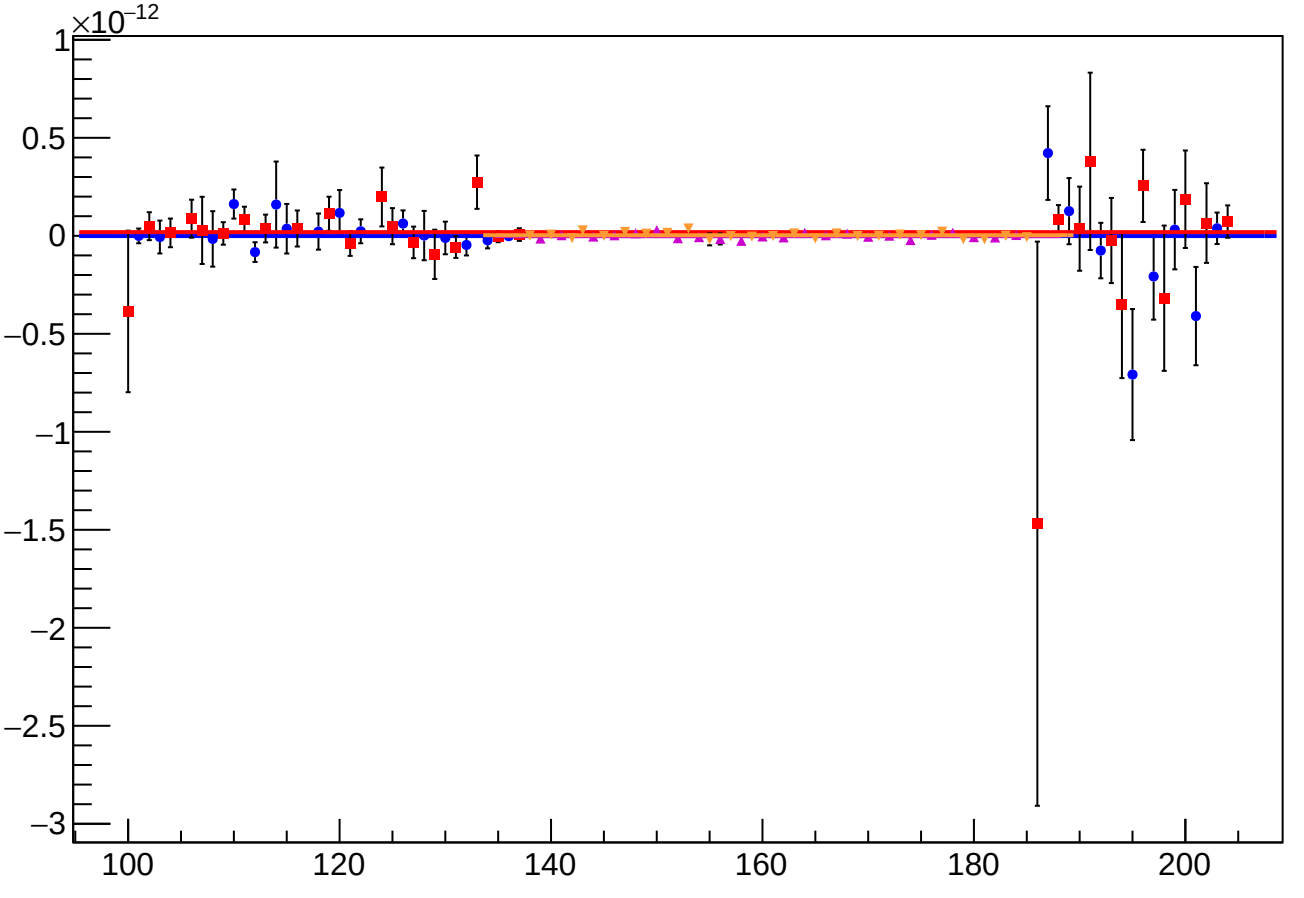
Left: 53.257+/-0.007 χ^2/NDF: 5798440.6/47

Right: 55.979+/-0.008 χ^2/NDF: 2866027.3/53

In: 54.416+/-0.007 χ^2/NDF:3665623.9/46

Out: 54.342+/-0.007 χ^2/NDF:5068451.8/54

All: 54.377+/-0.005 χ^2/NDF: 8734129.5/101



Right In: -0.000+/-0.000 χ^2/NDF: 23.5/23

Left Out: 0.000+/-0.000 χ^2/NDF:21.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 20.8/29

Left In: -0.000+/-0.000 χ^2/NDF:15.3/22

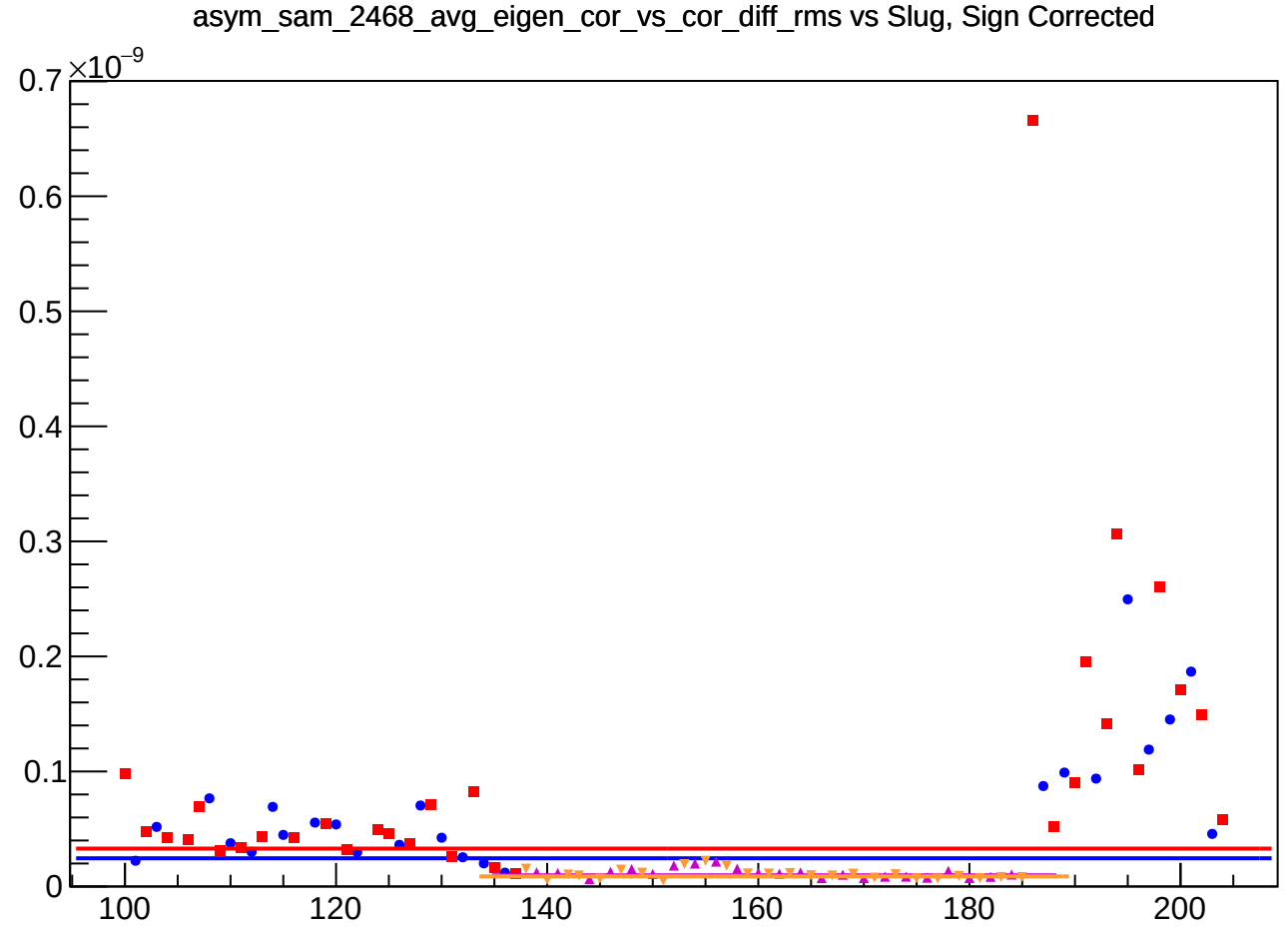
Left: 0.000+/-0.000 χ^2/NDF: 38.5/47

Right: 0.000+/-0.000 χ^2/NDF: 45.6/53

In: -0.000+/-0.000 χ^2/NDF:38.8/46

Out: 0.000+/-0.000 χ^2/NDF:43.9/54

All: 0.000+/-0.000 χ^2/NDF: 84.6/101



Right In: 0.000+/-0.000 χ^2/NDF: 6602594.9/23

Left Out: 0.000+/-0.000 χ^2/NDF:2517075.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7604361.3/29

Left In: 0.000+/-0.000 χ^2/NDF:2320113.6/22

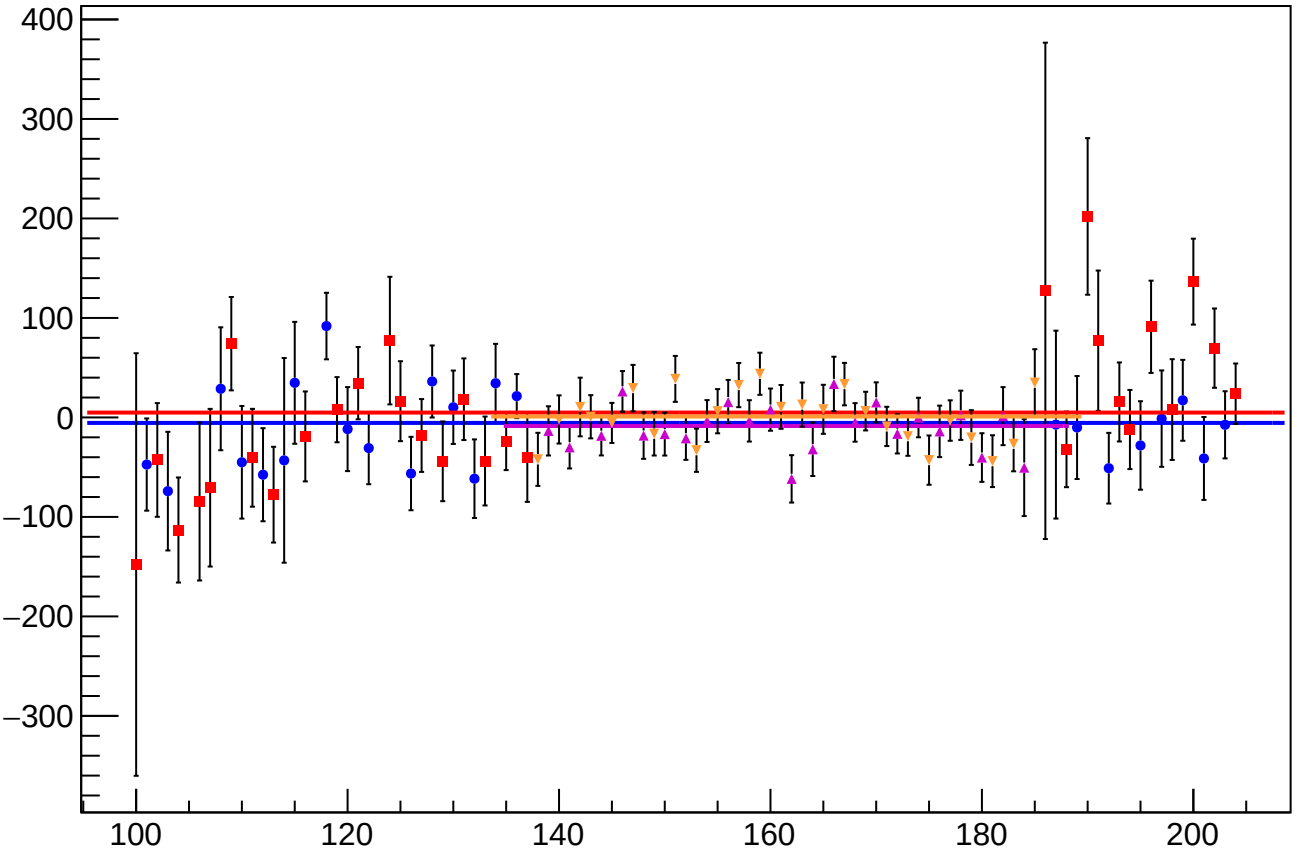
Left: 0.000+/-0.000 χ^2/NDF: 4948206.8/47

Right: 0.000+/-0.000 χ^2/NDF: 14639203.0/53

In: 0.000+/-0.000 χ^2/NDF:11939148.6/46

Out: 0.000+/-0.000 χ^2/NDF:16011073.1/54

All: 0.000+/-0.000 χ^2/NDF: 28064738.2/101



Right In: -5.512+/-8.399 χ^2/NDF: 24.6/23

Left Out: 0.917+/-4.574 χ^2/NDF:29.2/24

Right Out: 4.885+/-8.185 χ^2/NDF: 46.4/29

Left In: -8.600+/-4.724 χ^2/NDF:19.4/22

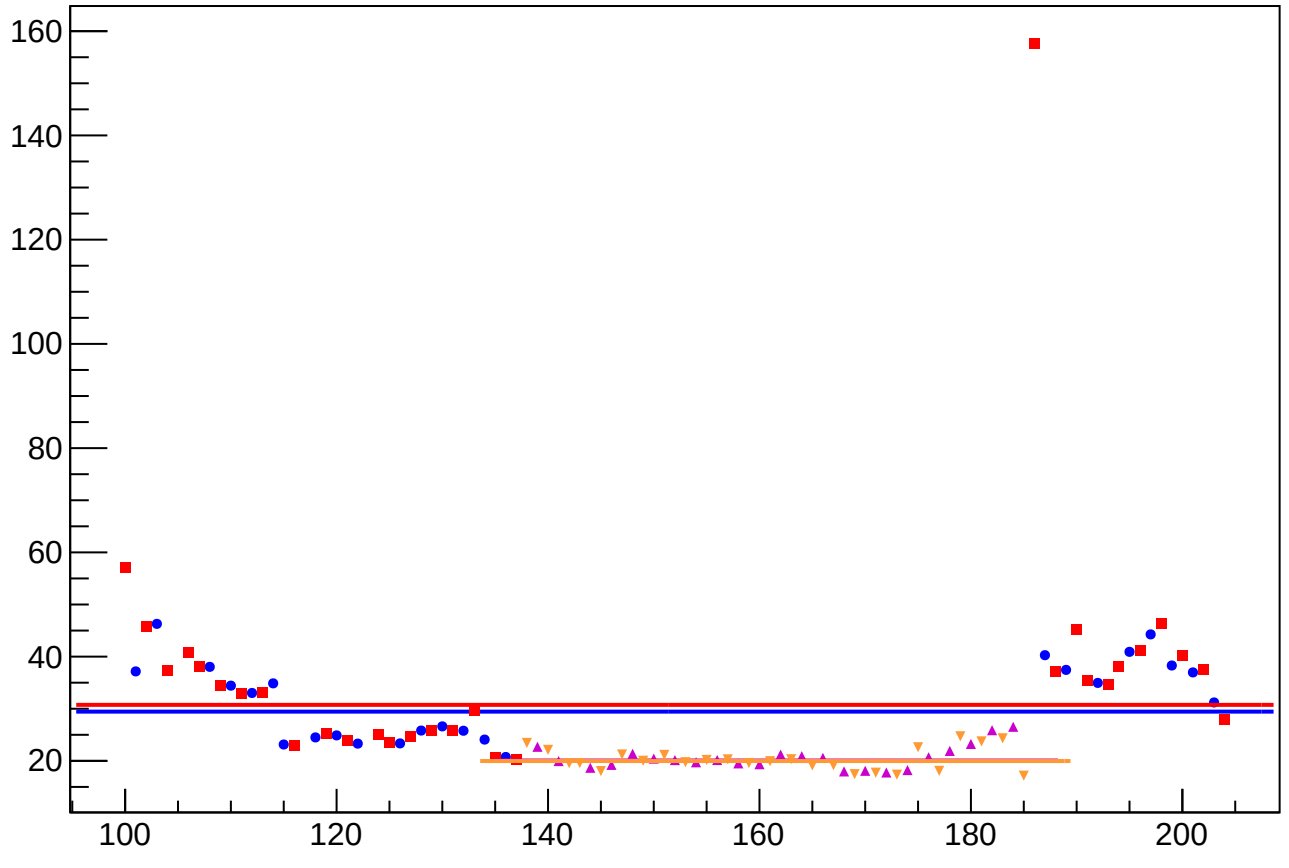
Left: -3.689+/-3.286 χ^2/NDF: 50.7/47

Right: -0.179+/-5.862 χ^2/NDF: 71.8/53

In: -7.858+/-4.117 χ^2/NDF:44.1/46

Out: 1.861+/-3.993 χ^2/NDF:75.8/54

All: -2.850+/-2.866 χ^2/NDF: 122.7/101



Right In: 29.449+/-0.006 χ^2/NDF: 1489427.5/23

Left Out: 19.969+/-0.003 χ^2/NDF:386763.9/24

Right Out: 30.747+/-0.006 χ^2/NDF: 2202962.0/29

Left In: 20.072+/-0.003 χ^2/NDF:301705.2/22

Left: 20.019+/-0.002 χ^2/NDF: 688968.6/47

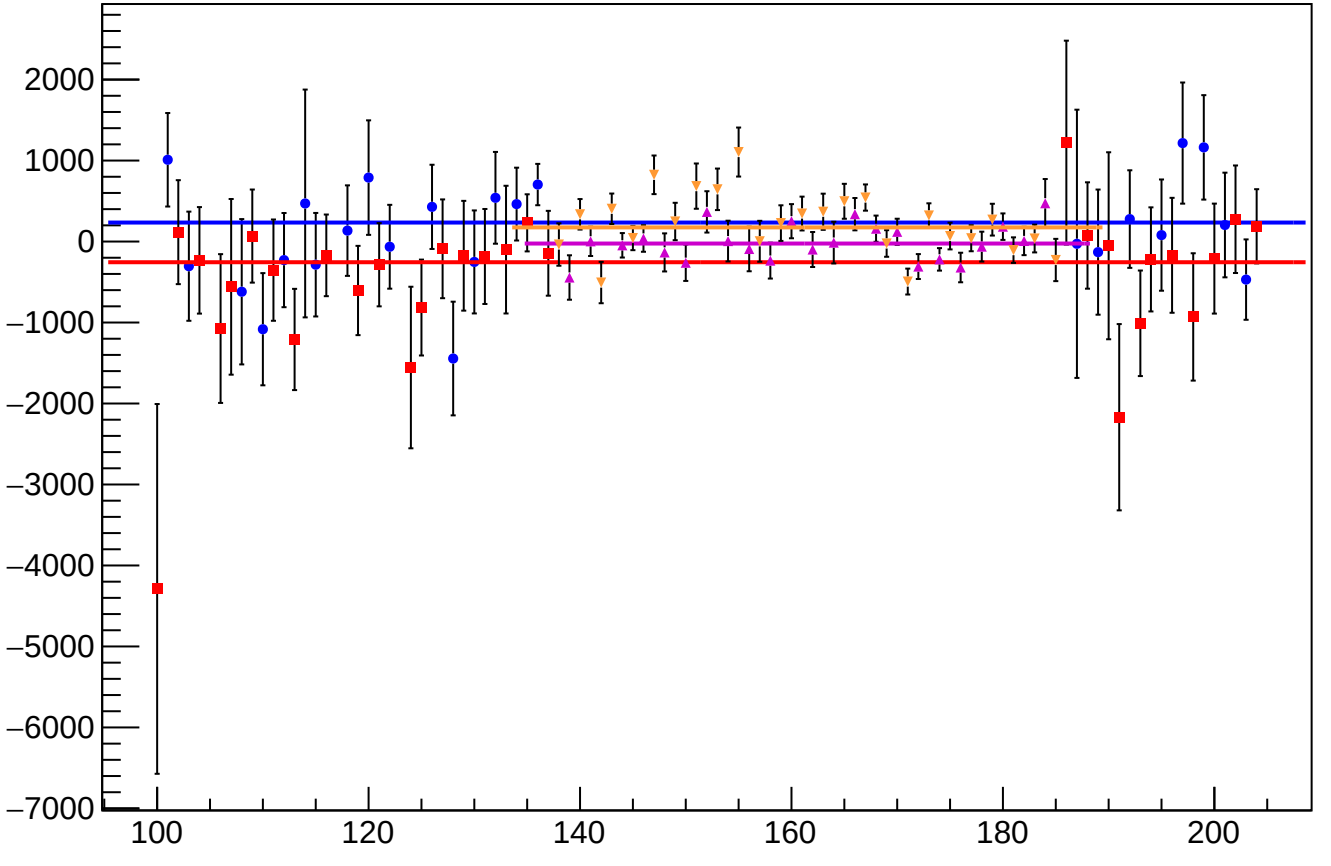
Right: 30.114+/-0.004 χ^2/NDF: 3716891.7/53

In: 22.325+/-0.003 χ^2/NDF:3684520.6/46

Out: 22.534+/-0.003 χ^2/NDF:5232561.7/54

All: 22.433+/-0.002 χ^2/NDF: 8919721.5/101

asym_sam_1357_2468_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 234.570+/-117.415 χ^2/NDF: 25.8/23

Left Out: 174.693+/-39.049 χ^2/NDF:71.2/24

Right Out: -255.431+/-116.974 χ^2/NDF: 20.2/29

Left In: -24.589+/-40.070 χ^2/NDF:26.9/22

Left: 77.623+/-27.966 χ^2/NDF: 110.8/47

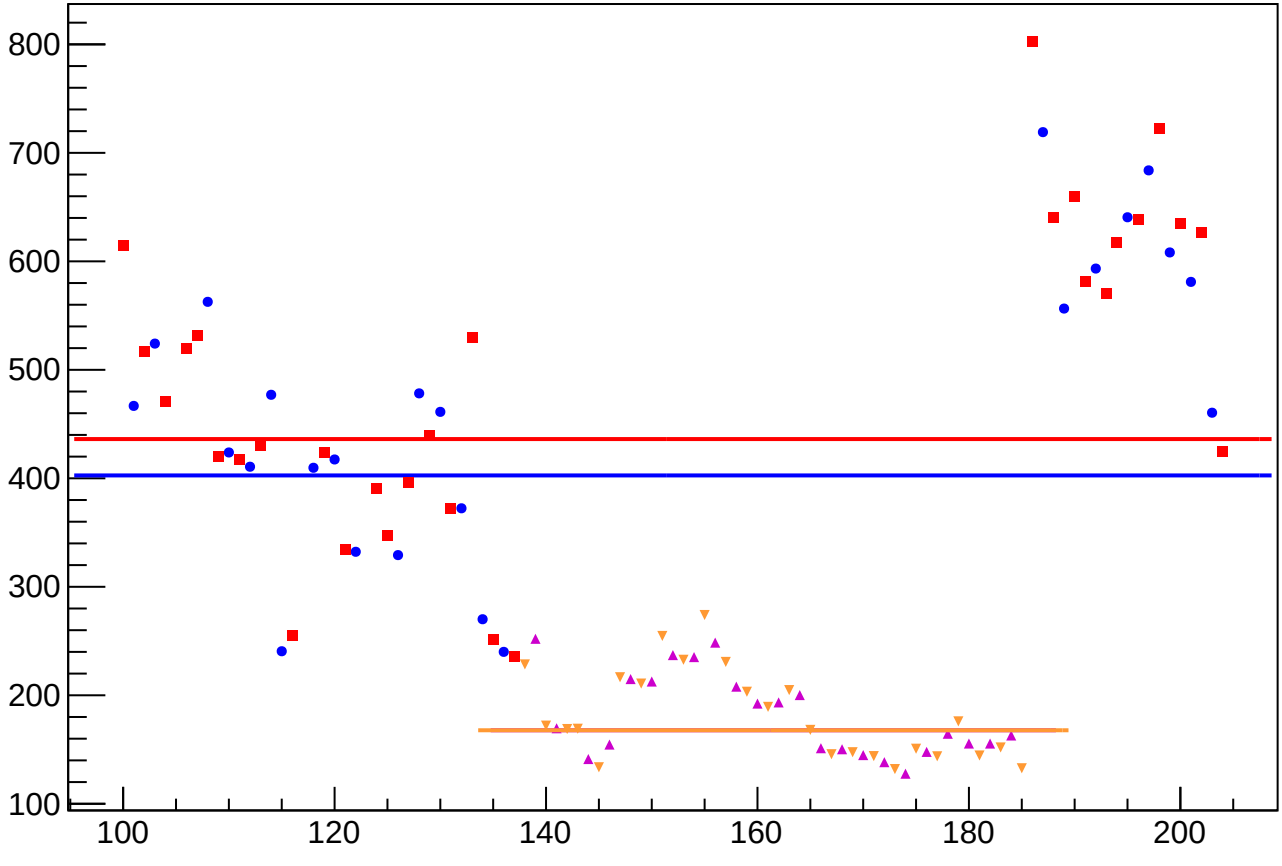
Right: -11.351+/-82.869 χ^2/NDF: 54.7/53

In: 2.445+/-37.923 χ^2/NDF:57.0/46

Out: 131.566+/-37.040 χ^2/NDF:103.6/54

All: 68.526+/-26.498 χ^2/NDF: 166.5/101

asym_sam_1357_2468_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 402.661+/-0.083 χ^2/NDF: 2657187.2/23

Left Out: 167.754+/-0.028 χ^2/NDF:1578232.9/24

Right Out: 436.181+/-0.083 χ^2/NDF: 2851331.5/29

Left In: 167.748+/-0.028 χ^2/NDF:1403124.0/22

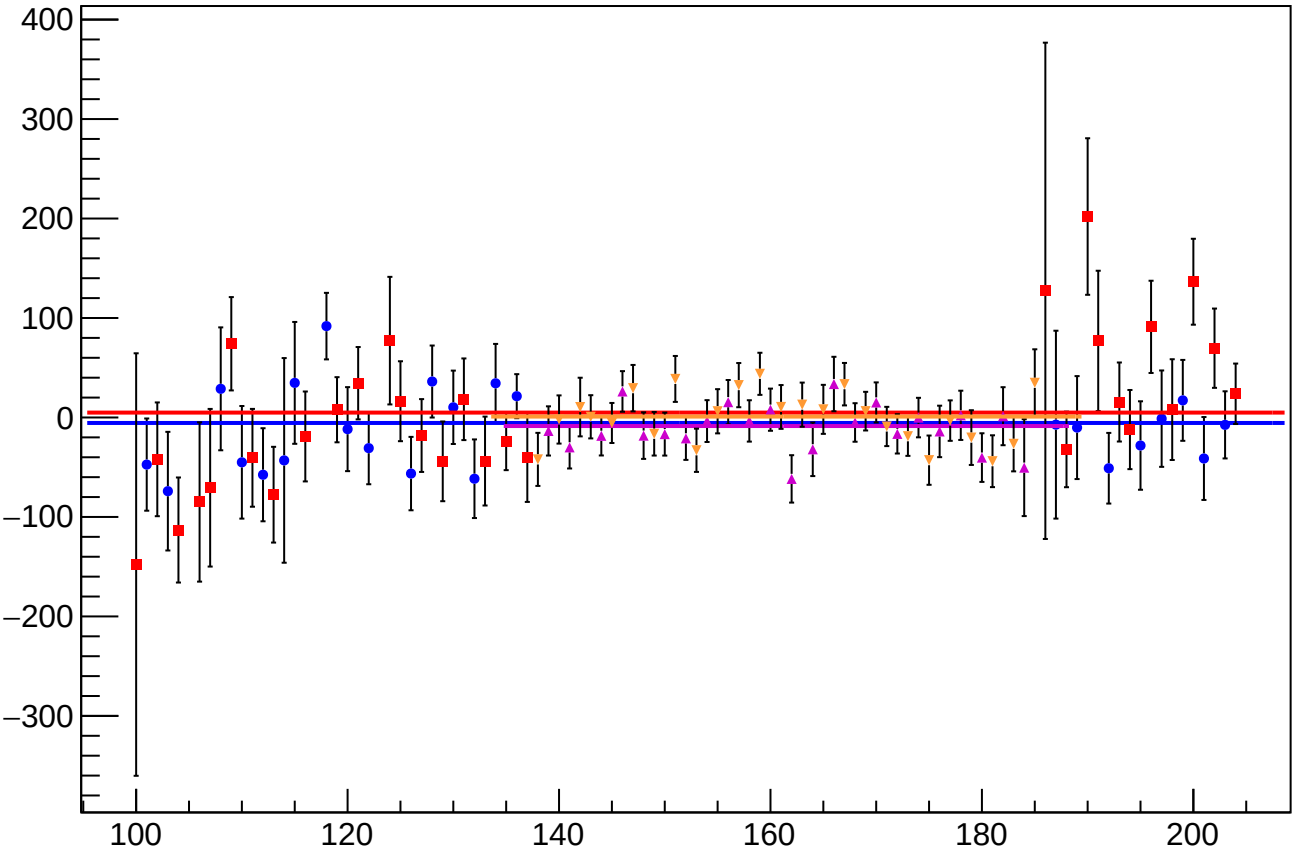
Left: 167.751+/-0.020 χ^2/NDF: 2981357.0/47

Right: 419.484+/-0.059 χ^2/NDF: 5590323.8/53

In: 192.254+/-0.027 χ^2/NDF:11230862.6/46

Out: 194.668+/-0.026 χ^2/NDF:13905284.0/54

All: 193.489+/-0.019 χ^2/NDF: 25140297.0/10



Right In: -5.510+/-8.399 χ^2/NDF: 24.6/23

Left Out: 0.915+/-4.574 χ^2/NDF:29.2/24

Right Out: 4.913+/-8.186 χ^2/NDF: 46.3/29

Left In: -8.600+/-4.724 χ^2/NDF:19.4/22

Left: -3.690+/-3.286 χ^2/NDF: 50.7/47

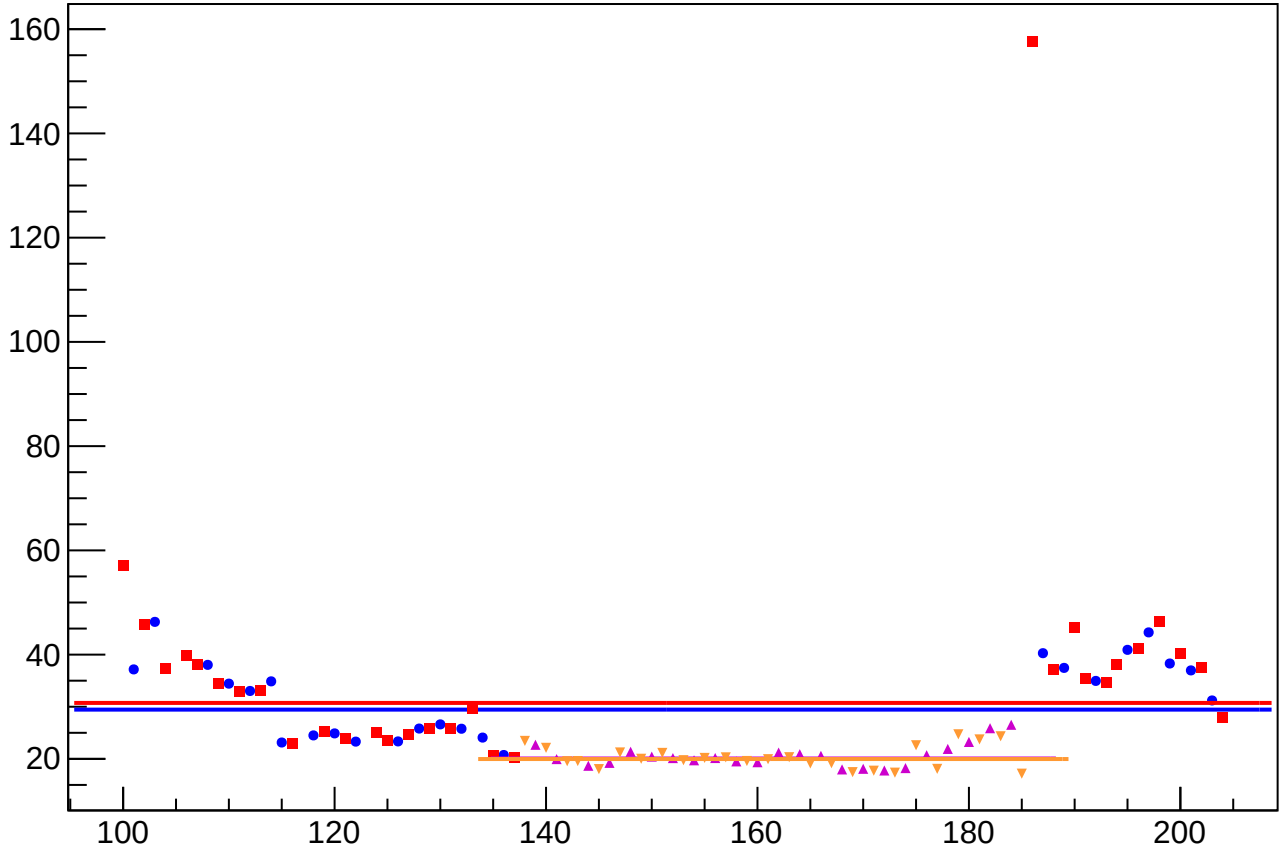
Right: -0.164+/-5.862 χ^2/NDF: 71.7/53

In: -7.858+/-4.117 χ^2/NDF:44.1/46

Out: 1.866+/-3.993 χ^2/NDF:75.7/54

All: -2.847+/-2.866 χ^2/NDF: 122.7/101

cor_asym_sam_1357_2468_dd_rms vs Slug, Sign Corrected



Right In: 29.449+/-0.006 χ^2/NDF: 1489430.7/23

Left Out: 19.969+/-0.003 χ^2/NDF:386763.9/24

Right Out: 30.734+/-0.006 χ^2/NDF: 2196133.1/29

Left In: 20.072+/-0.003 χ^2/NDF:301705.2/22

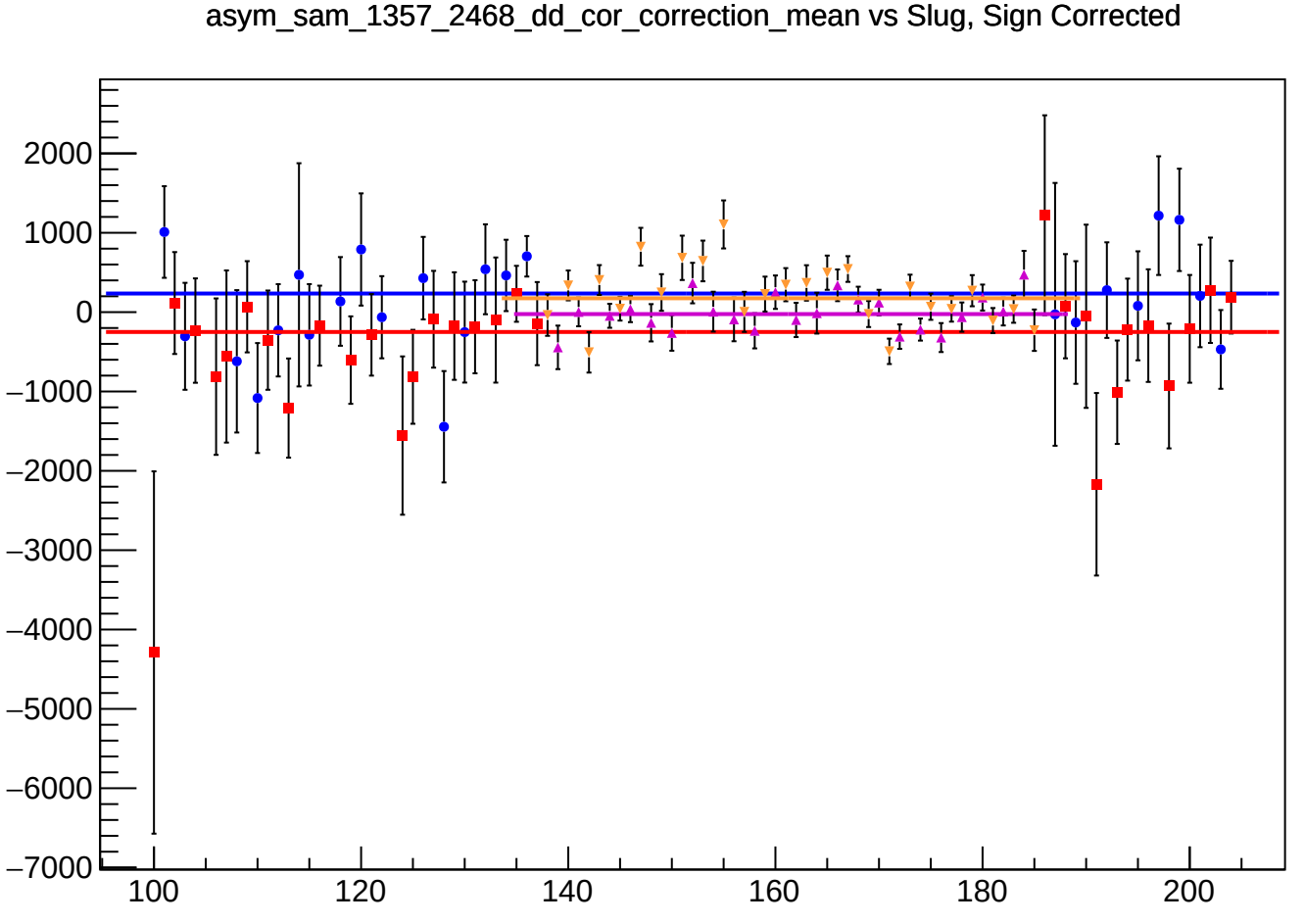
Left: 20.019+/-0.002 χ^2/NDF: 688968.7/47

Right: 30.108+/-0.004 χ^2/NDF: 3709569.2/53

In: 22.325+/-0.003 χ^2/NDF:3684523.9/46

Out: 22.530+/-0.003 χ^2/NDF:5218857.2/54

All: 22.431+/-0.002 χ^2/NDF: 8905931.3/101



Right In: 234.565+/-117.415 χ^2/NDF: 25.8/23

Left Out: 174.691+/-39.049 χ^2/NDF:71.2/24

Right Out: -250.056+/-117.101 χ^2/NDF: 19.7/29

Left In: -24.590+/-40.070 χ^2/NDF:26.9/22

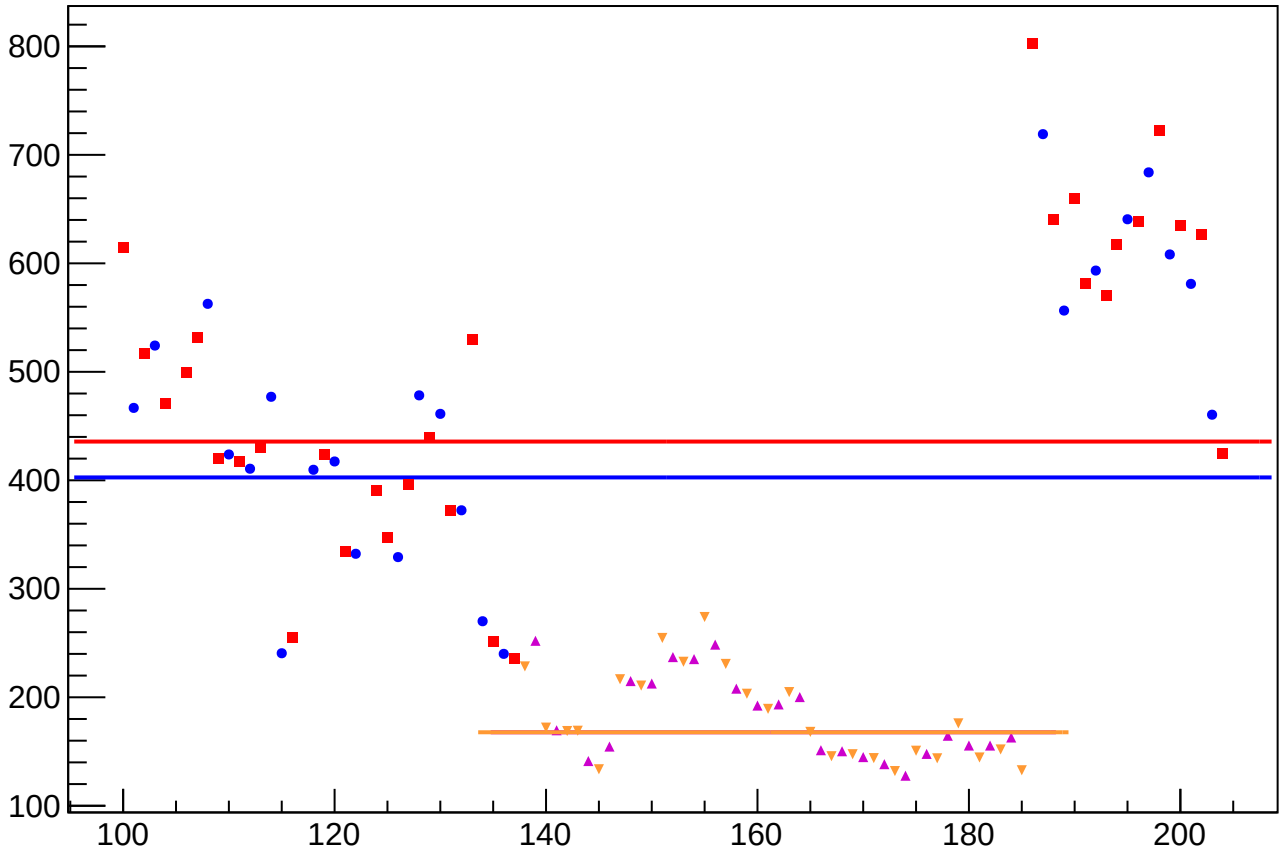
Left: 77.622+/-27.966 χ^2/NDF: 110.8/47

Right: -8.394+/-82.914 χ^2/NDF: 54.0/53

In: 2.444+/-37.923 χ^2/NDF:57.0/46

Out: 132.186+/-37.044 χ^2/NDF:102.8/54

All: 68.836+/-26.499 χ^2/NDF: 165.8/101



Right In: 402.661+/-0.083 χ^2/NDF: 2657213.2/23

Left Out: 167.754+/-0.028 χ^2/NDF:1578231.3/24

Right Out: 435.720+/-0.083 χ^2/NDF: 2843120.4/29

Left In: 167.748+/-0.028 χ^2/NDF:1403120.1/22

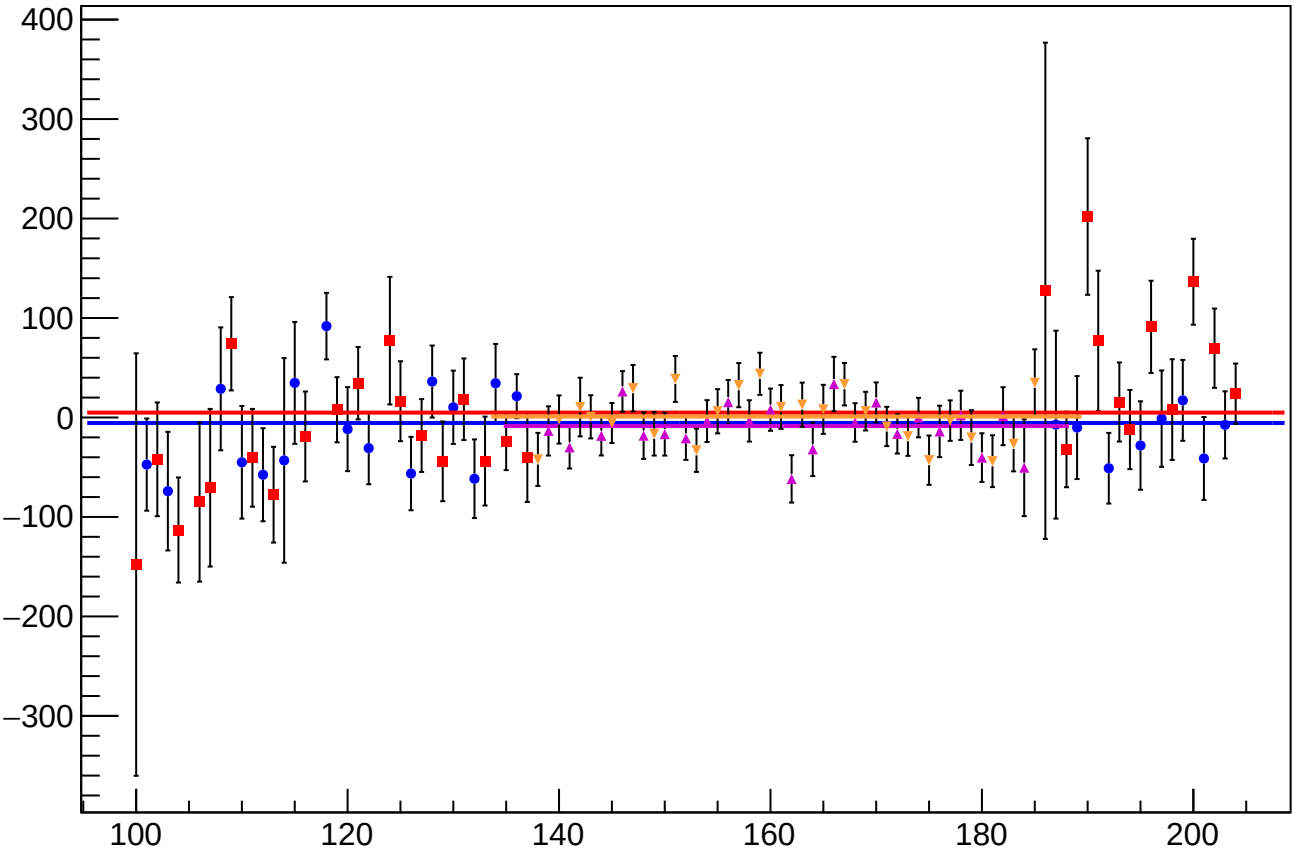
Left: 167.751+/-0.020 χ^2/NDF: 2981351.5/47

Right: 419.235+/-0.059 χ^2/NDF: 5579820.7/53

In: 192.254+/-0.027 χ^2/NDF:11230876.5/46

Out: 194.570+/-0.026 χ^2/NDF:13846208.9/54

All: 193.439+/-0.019 χ^2/NDF: 25080903.3/10



Right In: -5.510+/-8.399 χ^2/NDF: 24.6/23

Left Out: 0.915+/-4.574 χ^2/NDF:29.2/24

Right Out: 4.913+/-8.186 χ^2/NDF: 46.3/29

Left In: -8.600+/-4.724 χ^2/NDF:19.4/22

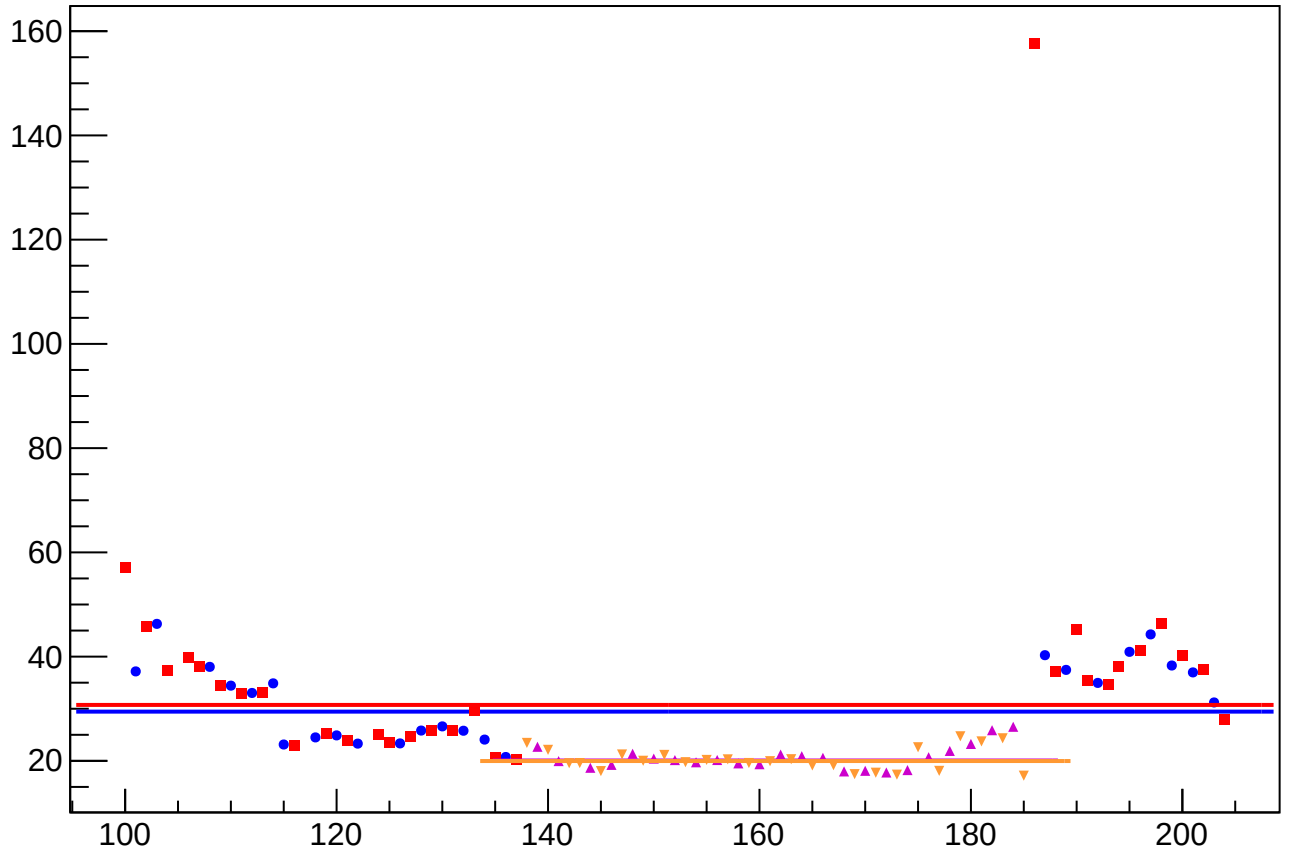
Left: -3.690+/-3.286 χ^2/NDF: 50.7/47

Right: -0.164+/-5.862 χ^2/NDF: 71.7/53

In: -7.858+/-4.117 χ^2/NDF:44.1/46

Out: 1.866+/-3.993 χ^2/NDF:75.7/54

All: -2.847+/-2.866 χ^2/NDF: 122.7/101



Right In: 29.449+/-0.006 χ^2/NDF: 1489430.7/23

Left Out: 19.969+/-0.003 χ^2/NDF:386763.9/24

Right Out: 30.734+/-0.006 χ^2/NDF: 2196133.1/29

Left In: 20.072+/-0.003 χ^2/NDF:301705.2/22

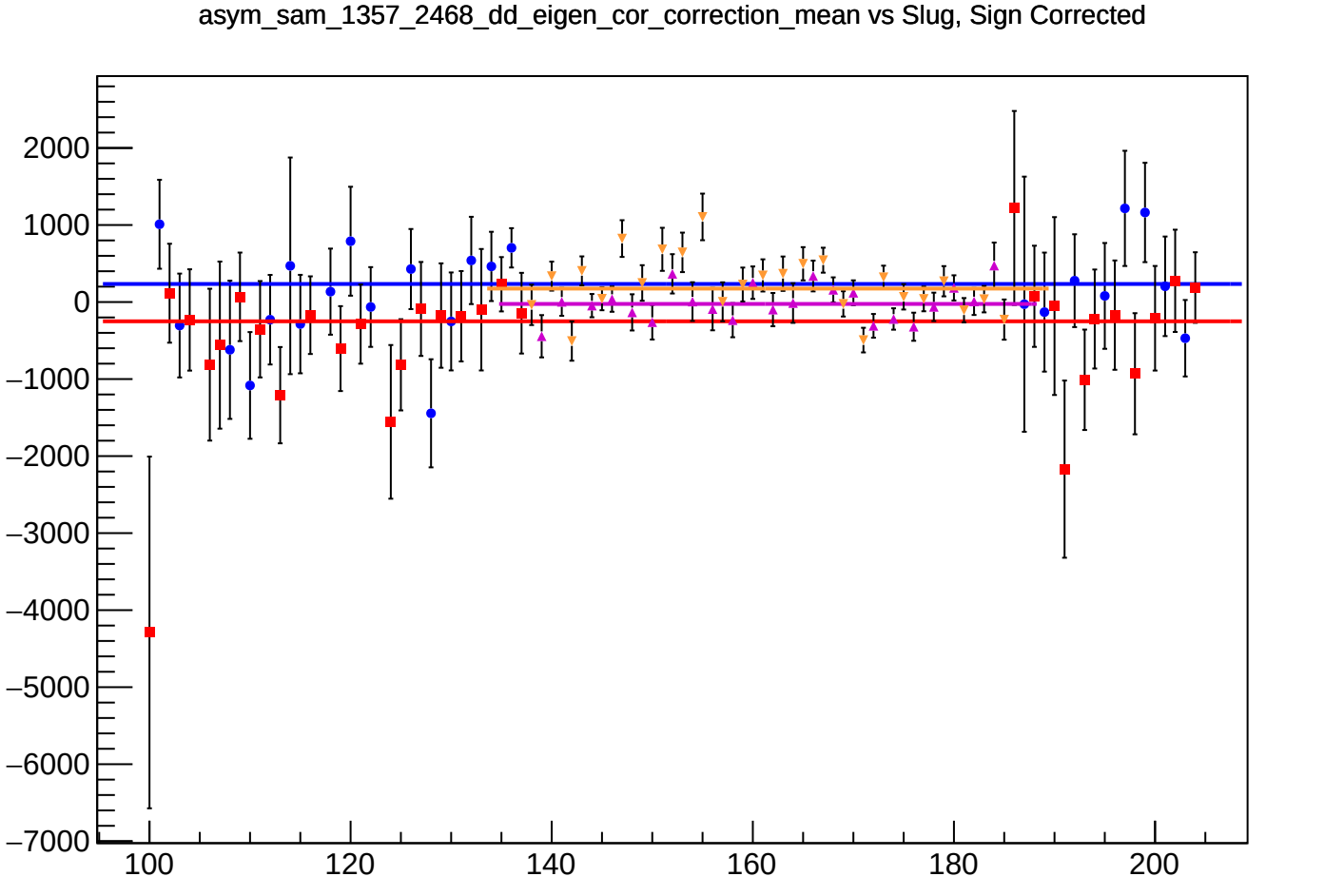
Left: 20.019+/-0.002 χ^2/NDF: 688968.7/47

Right: 30.108+/-0.004 χ^2/NDF: 3709569.2/53

In: 22.325+/-0.003 χ^2/NDF:3684523.9/46

Out: 22.530+/-0.003 χ^2/NDF:5218857.2/54

All: 22.431+/-0.002 χ^2/NDF: 8905931.3/101



Right In: 234.565+/-117.415 χ^2/NDF: 25.8/23

Left Out: 174.691+/-39.049 χ^2/NDF:71.2/24

Right Out: -250.056+/-117.101 χ^2/NDF: 19.7/29

Left In: -24.590+/-40.070 χ^2/NDF:26.9/22

Left: 77.622+/-27.966 χ^2/NDF: 110.8/47

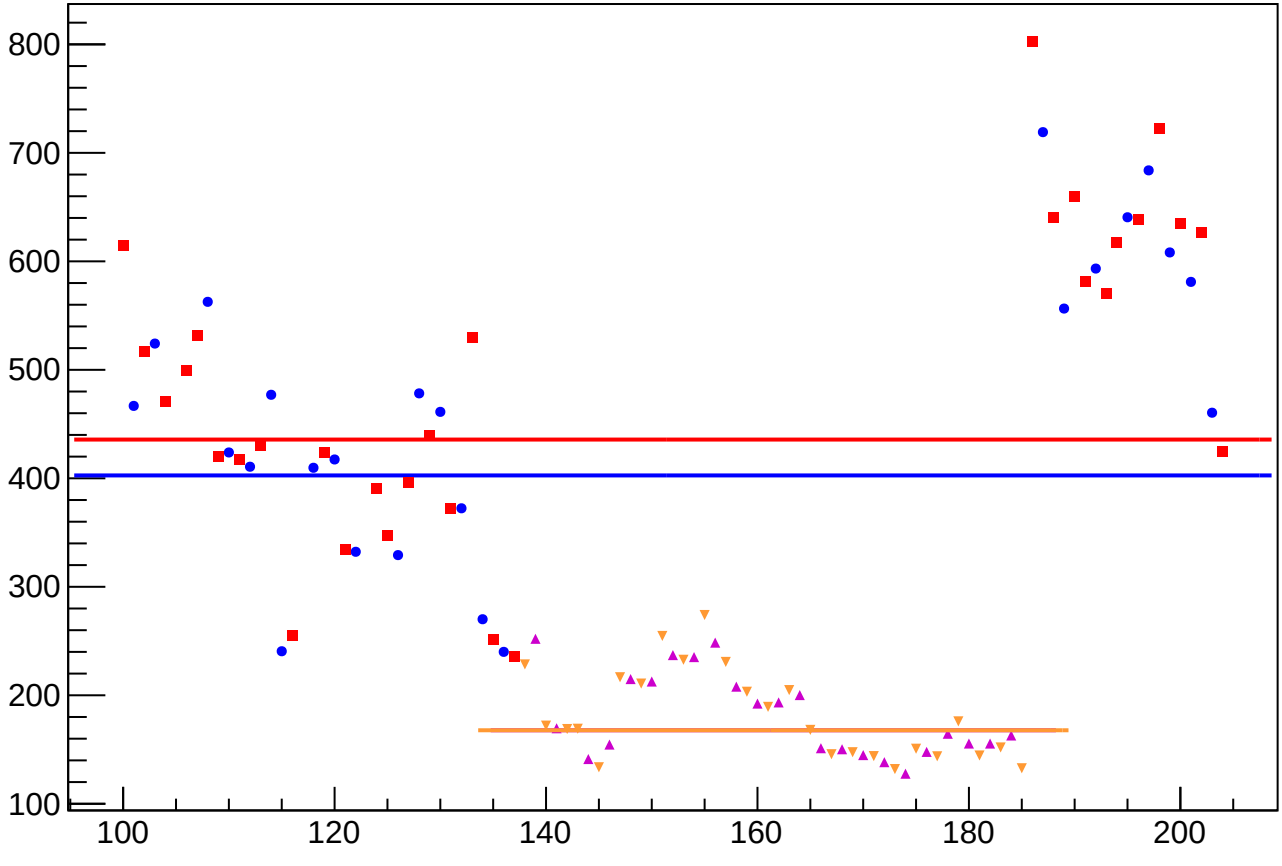
Right: -8.394+/-82.914 χ^2/NDF: 54.0/53

In: 2.444+/-37.923 χ^2/NDF:57.0/46

Out: 132.186+/-37.044 χ^2/NDF:102.8/54

All: 68.836+/-26.499 χ^2/NDF: 165.8/101

asym_sam_1357_2468_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 402.661+/-0.083 χ^2/NDF: 2657213.2/23

Left Out: 167.754+/-0.028 χ^2/NDF:1578231.3/24

Right Out: 435.720+/-0.083 χ^2/NDF: 2843120.4/29

Left In: 167.748+/-0.028 χ^2/NDF:1403120.1/22

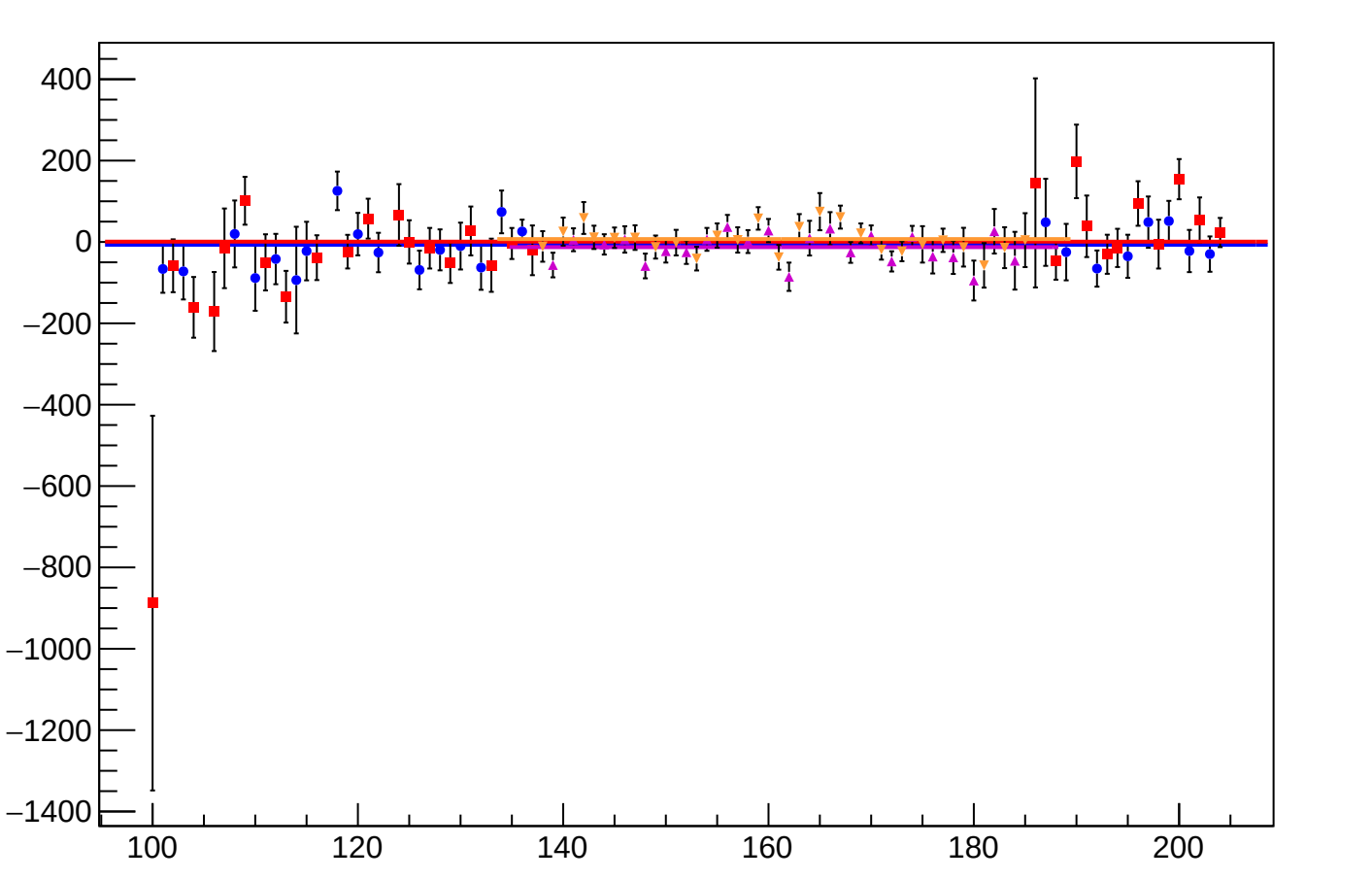
Left: 167.751+/-0.020 χ^2/NDF: 2981351.5/47

Right: 419.235+/-0.059 χ^2/NDF: 5579820.7/53

In: 192.254+/-0.027 χ^2/NDF:11230876.5/46

Out: 194.570+/-0.026 χ^2/NDF:13846208.9/54

All: 193.439+/-0.019 χ^2/NDF: 25080903.3/10



Right In: -6.840+/-10.983 χ^2/NDF: 23.4/23

Left Out: 7.079+/-6.333 χ^2/NDF:22.7/24

Right Out: 0.770+/-10.373 χ^2/NDF: 46.4/29

Left In: -12.697+/-6.513 χ^2/NDF:25.6/22

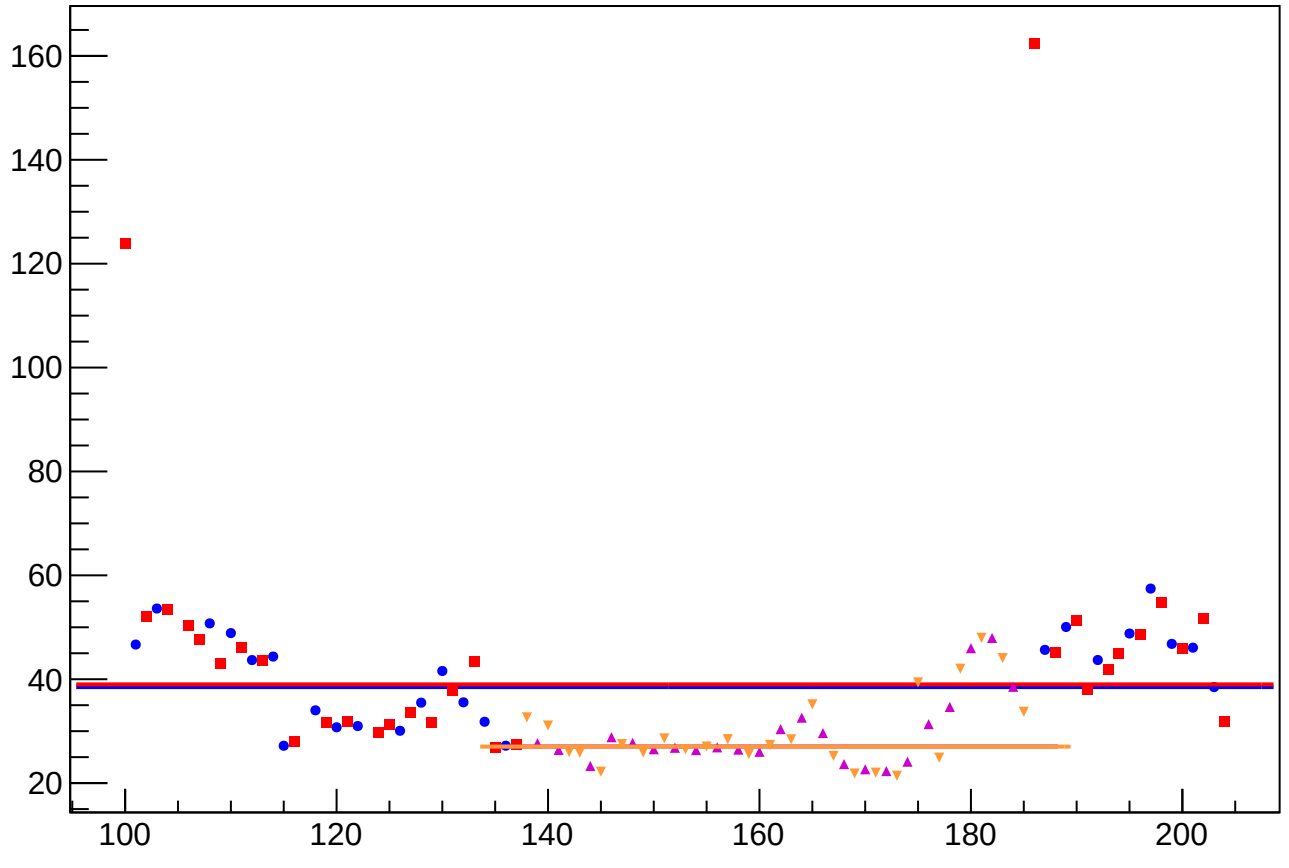
Left: -2.531+/-4.541 χ^2/NDF: 53.1/47

Right: -2.818+/-7.541 χ^2/NDF: 70.1/53

In: -11.173+/-5.602 χ^2/NDF:49.2/46

Out: 5.366+/-5.405 χ^2/NDF:69.4/54

All: -2.607+/-3.890 χ^2/NDF: 123.2/101



Right In: 38.489+/-0.008 χ^2/NDF: 1252971.8/23

Left Out: 27.026+/-0.004 χ^2/NDF:1430523.7/24

Right Out: 39.003+/-0.007 χ^2/NDF: 1906715.6/29

Left In: 27.052+/-0.005 χ^2/NDF:1044359.4/22

Left: 27.039+/-0.003 χ^2/NDF: 2474899.1/47

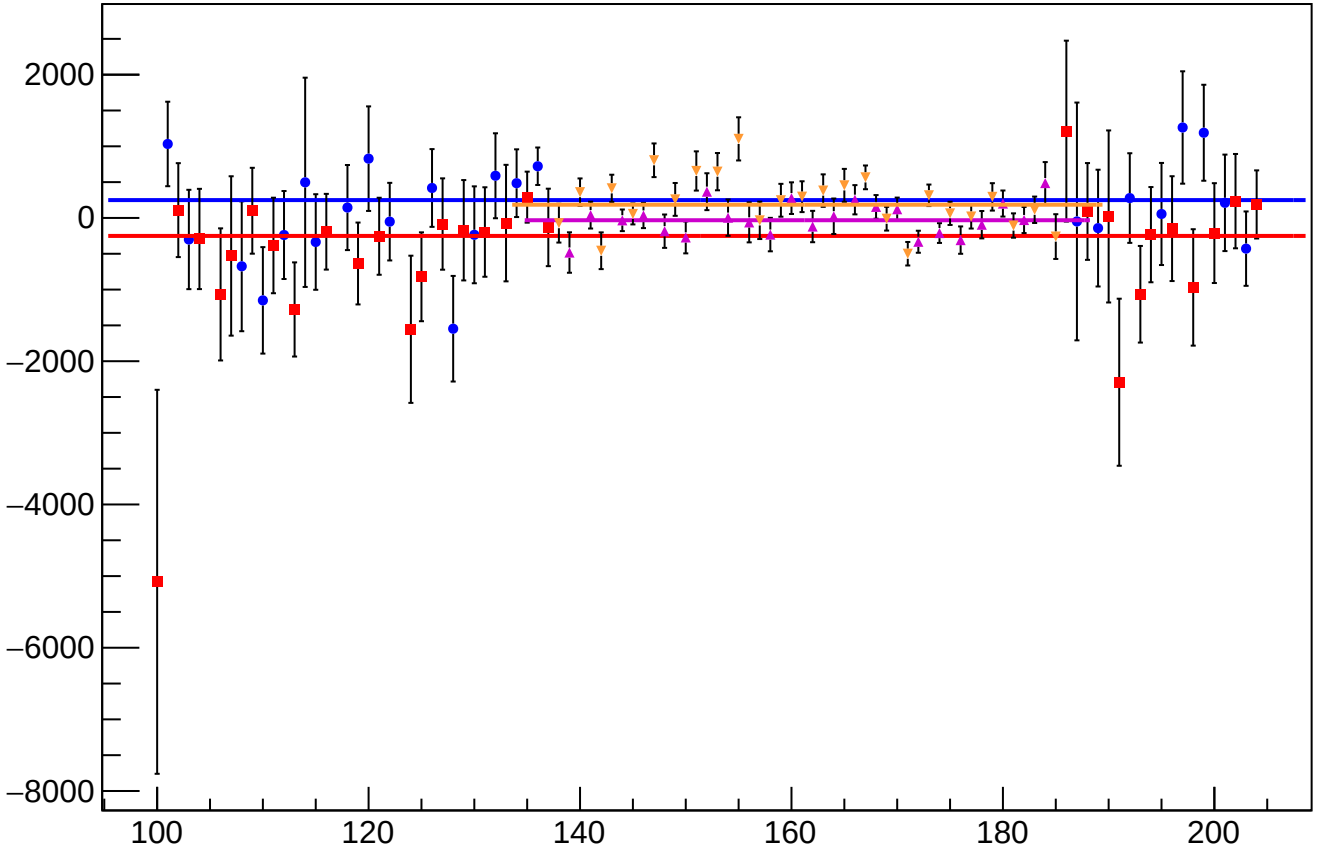
Right: 38.761+/-0.005 χ^2/NDF: 3162000.0/53

In: 30.028+/-0.004 χ^2/NDF:3901841.8/46

Out: 30.278+/-0.004 χ^2/NDF:5279293.7/54

All: 30.158+/-0.003 χ^2/NDF: 9183202.2/101

asym_sam_1357_2468_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 249.202+/-122.186 χ^2/NDF: 25.4/23

Left Out: 184.675+/-39.832 χ^2/NDF:67.7/24

Right Out: -251.000+/-121.046 χ^2/NDF: 21.0/29

Left In: -31.891+/-40.975 χ^2/NDF:26.4/22

Left: 79.454+/-28.561 χ^2/NDF: 108.4/47

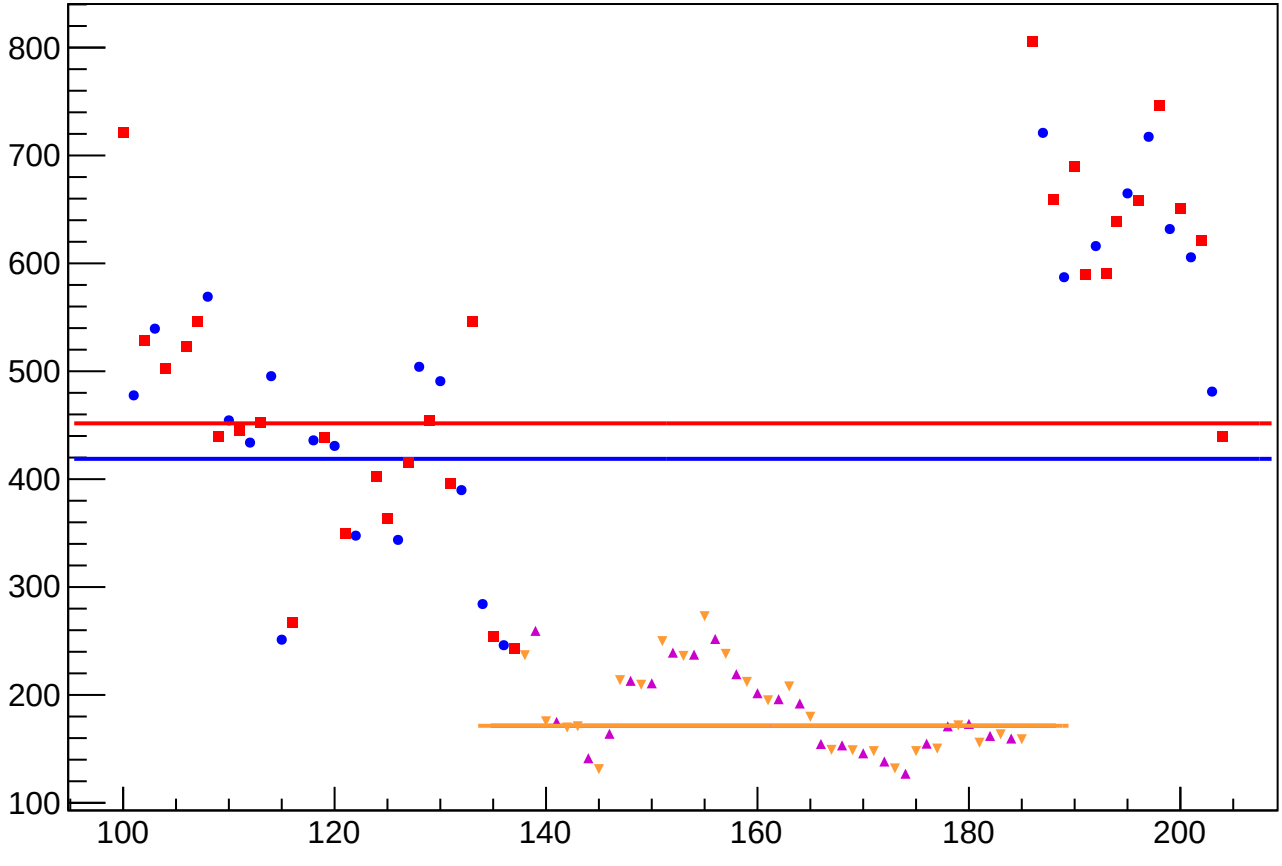
Right: -3.243+/-85.993 χ^2/NDF: 54.9/53

In: -3.475+/-38.849 χ^2/NDF:56.6/46

Out: 142.108+/-37.836 χ^2/NDF:100.4/54

All: 71.238+/-27.105 χ^2/NDF: 164.2/101

asym_sam_1357_2468_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 418.822+/-0.086 χ^2/NDF: 2699376.9/23

Left Out: 171.427+/-0.028 χ^2/NDF:1526852.0/24

Right Out: 451.720+/-0.086 χ^2/NDF: 2823779.8/29

Left In: 171.490+/-0.029 χ^2/NDF:1415769.4/22

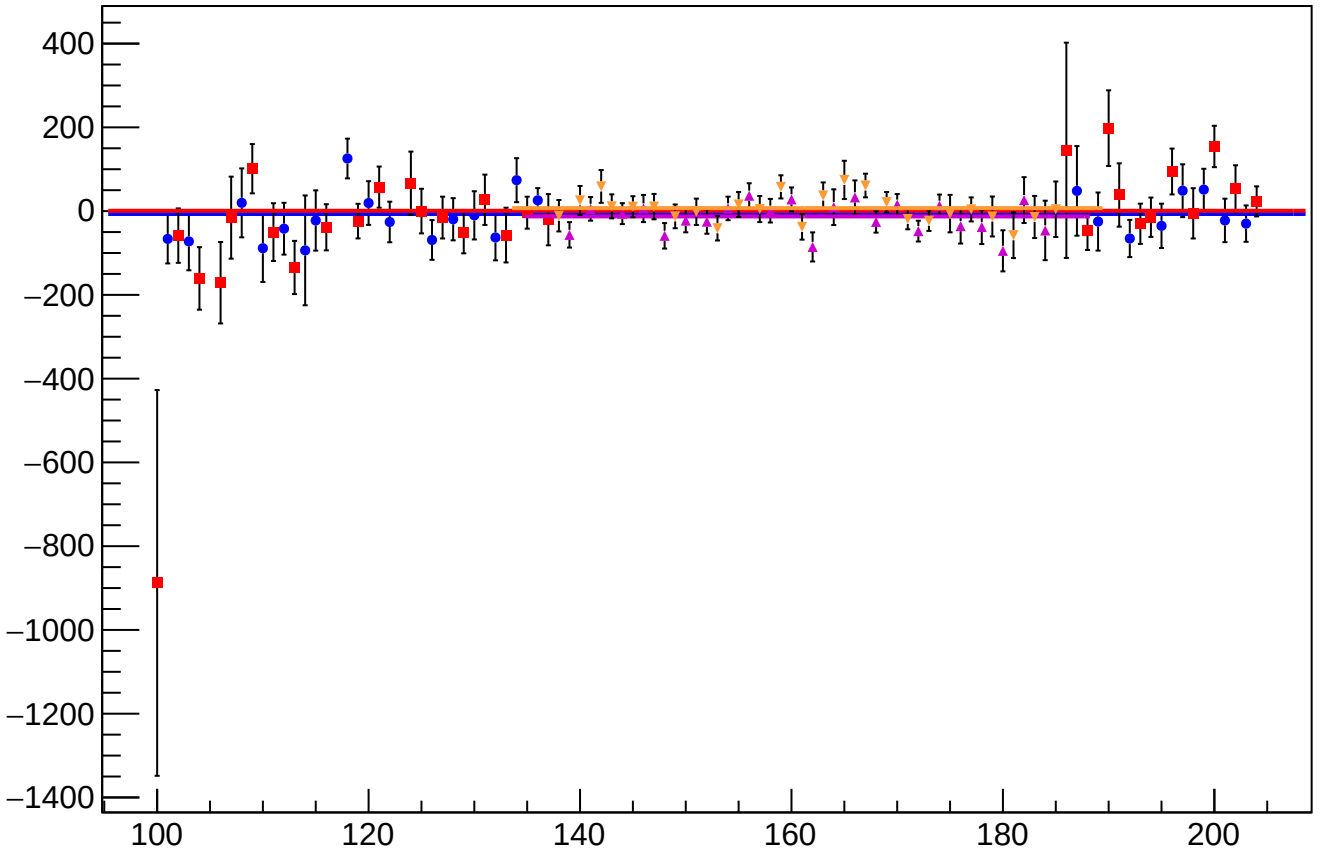
Left: 171.457+/-0.020 χ^2/NDF: 2942623.8/47

Right: 435.425+/-0.061 χ^2/NDF: 5596327.2/53

In: 196.493+/-0.027 χ^2/NDF:11481673.6/46

Out: 198.812+/-0.027 χ^2/NDF:14026736.8/54

All: 197.683+/-0.019 χ^2/NDF: 25512070.0/10



Right In: -6.841+/-10.983 χ^2/NDF: 23.4/23

Left Out: 7.079+/-6.333 χ^2/NDF:22.7/24

Right Out: 0.770+/-10.373 χ^2/NDF: 46.4/29

Left In: -12.697+/-6.513 χ^2/NDF:25.6/22

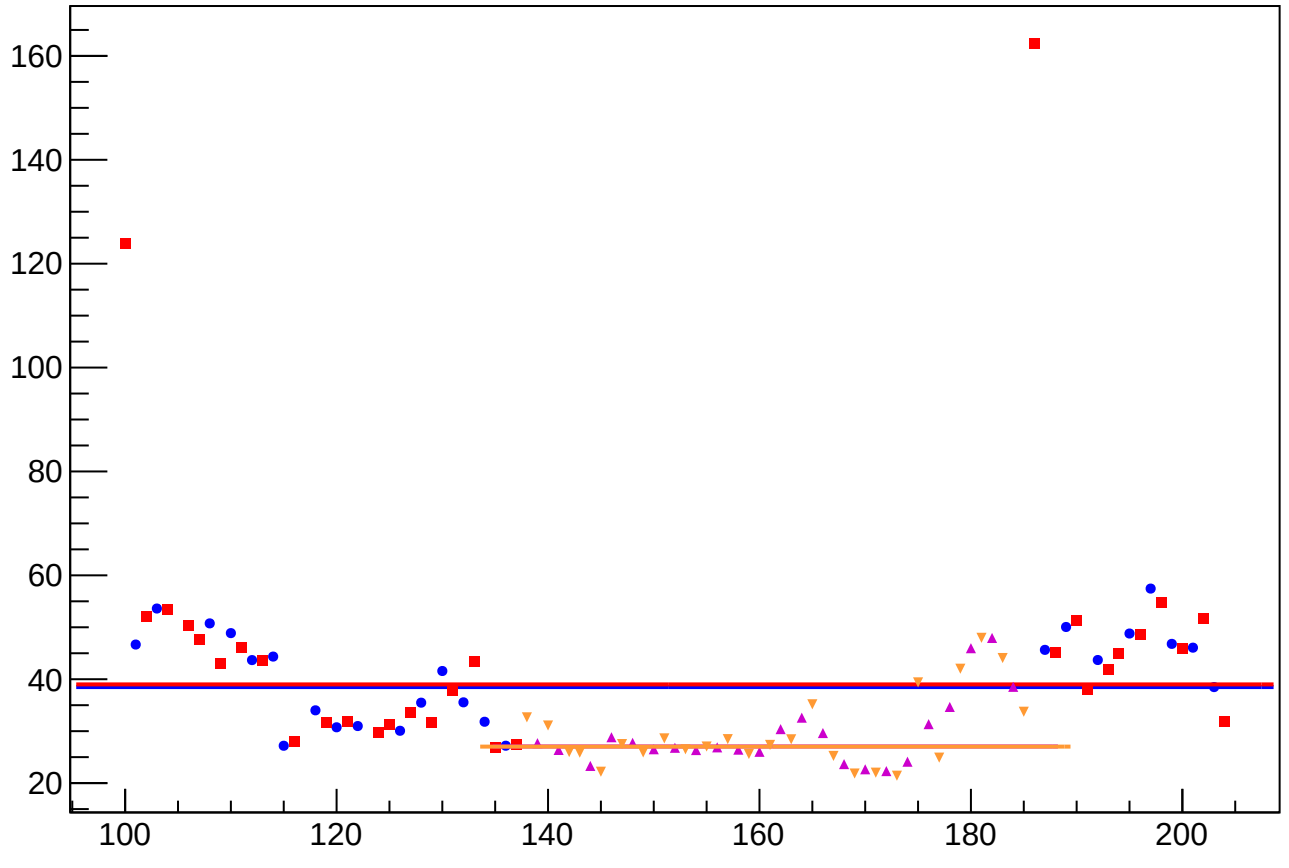
Left: -2.531+/-4.541 χ^2/NDF: 53.1/47

Right: -2.818+/-7.541 χ^2/NDF: 70.1/53

In: -11.173+/-5.602 χ^2/NDF:49.2/46

Out: 5.366+/-5.405 χ^2/NDF:69.4/54

All: -2.608+/-3.890 χ^2/NDF: 123.2/101



Right In: 38.489+/-0.008 χ^2/NDF: 1252977.0/23

Left Out: 27.026+/-0.004 χ^2/NDF:1430534.9/24

Right Out: 39.003+/-0.007 χ^2/NDF: 1906746.1/29

Left In: 27.052+/-0.005 χ^2/NDF:1044338.2/22

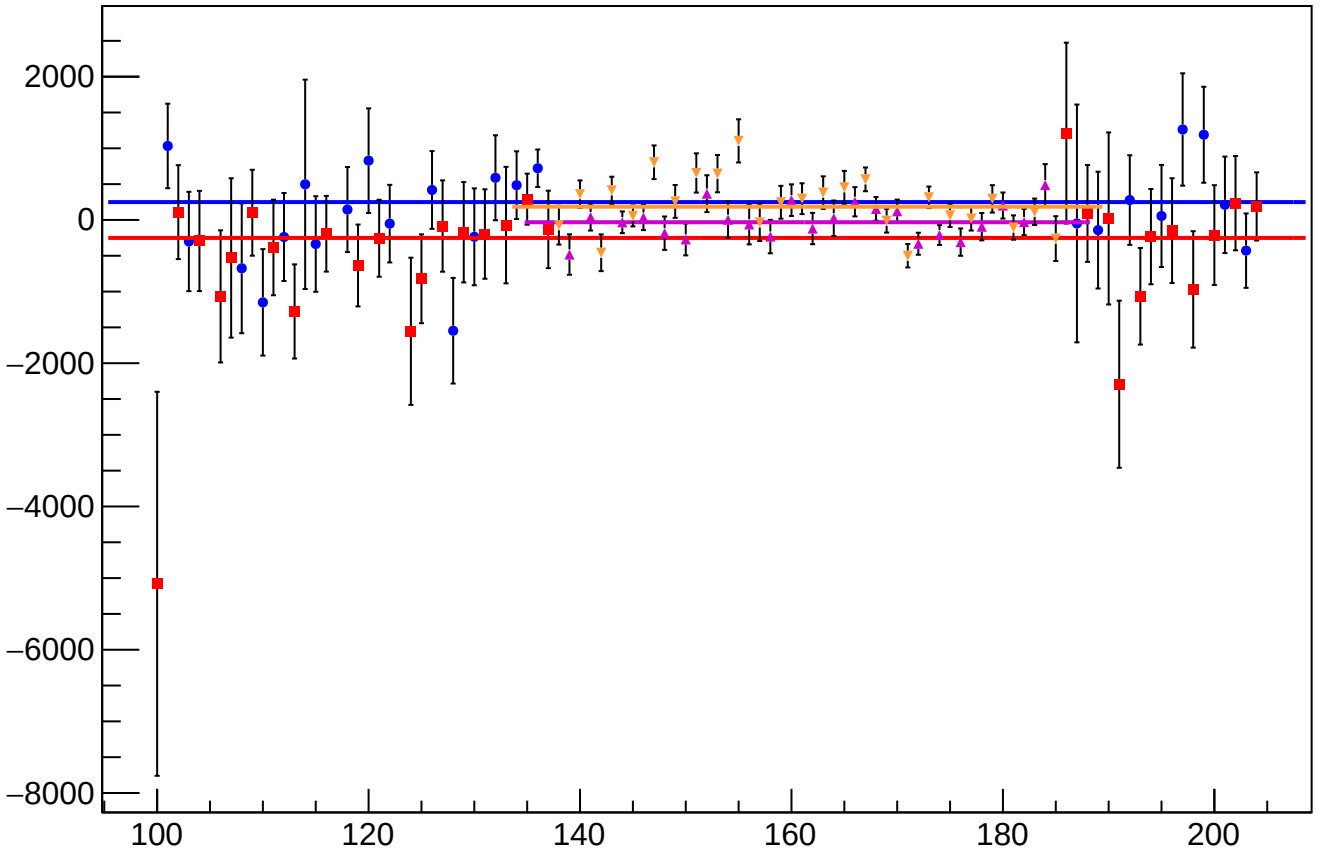
Left: 27.039+/-0.003 χ^2/NDF: 2474889.1/47

Right: 38.760+/-0.005 χ^2/NDF: 3162036.6/53

In: 30.028+/-0.004 χ^2/NDF:3901715.7/46

Out: 30.278+/-0.004 χ^2/NDF:5279221.8/54

All: 30.158+/-0.003 χ^2/NDF: 9183004.8/101



Right In: 249.200+/-122.186 χ^2/NDF: 25.4/23

Left Out: 184.674+/-39.832 χ^2/NDF:67.7/24

Right Out: -251.000+/-121.046 χ^2/NDF: 21.0/29

Left In: -31.891+/-40.975 χ^2/NDF:26.4/22

Left: 79.454+/-28.561 χ^2/NDF: 108.4/47

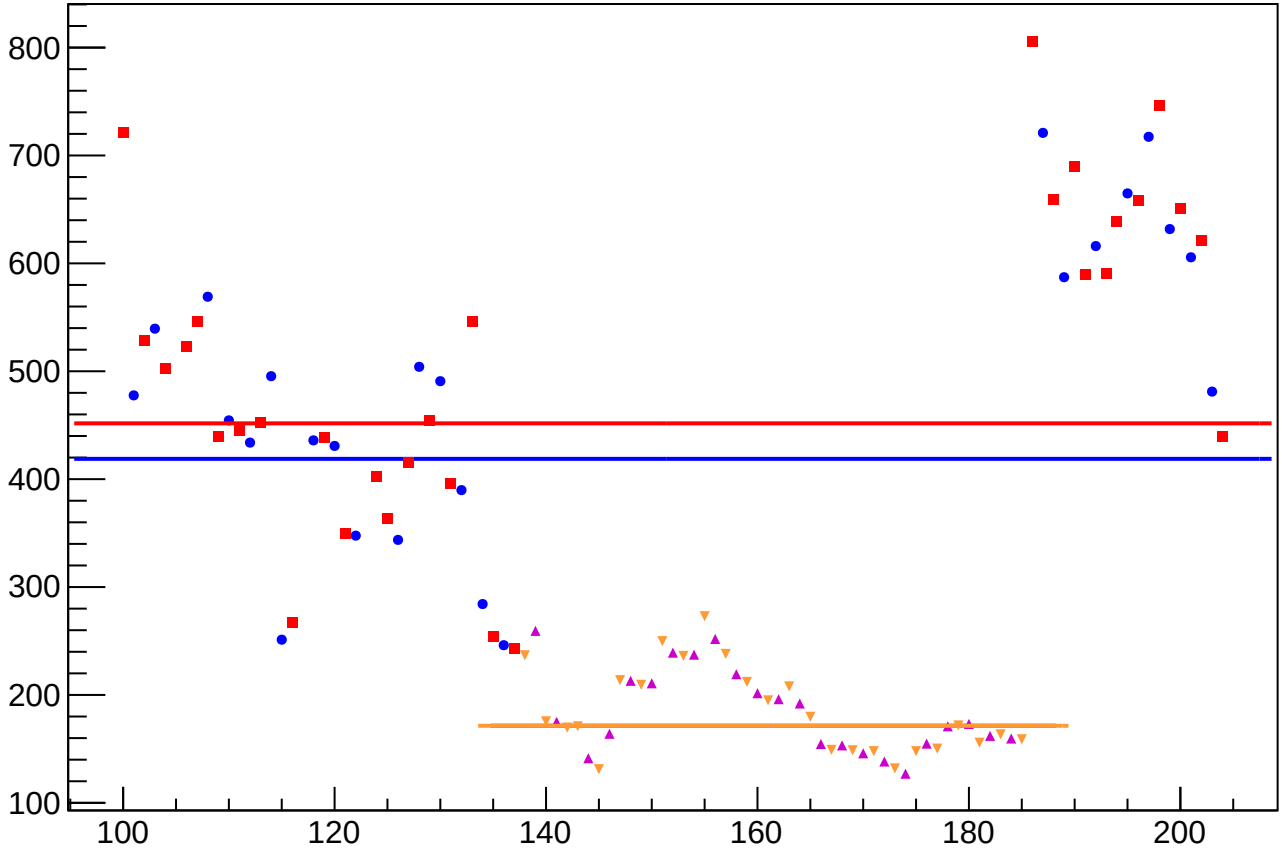
Right: -3.244+/-85.993 χ^2/NDF: 54.9/53

In: -3.476+/-38.849 χ^2/NDF:56.6/46

Out: 142.107+/-37.836 χ^2/NDF:100.4/54

All: 71.238+/-27.105 χ^2/NDF: 164.2/101

asym_sam_1357_2468_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 418.821+/-0.086 χ^2/NDF: 2699381.8/23

Left Out: 171.426+/-0.028 χ^2/NDF:1526868.9/24

Right Out: 451.719+/-0.086 χ^2/NDF: 2823791.0/29

Left In: 171.489+/-0.029 χ^2/NDF:1415782.1/22

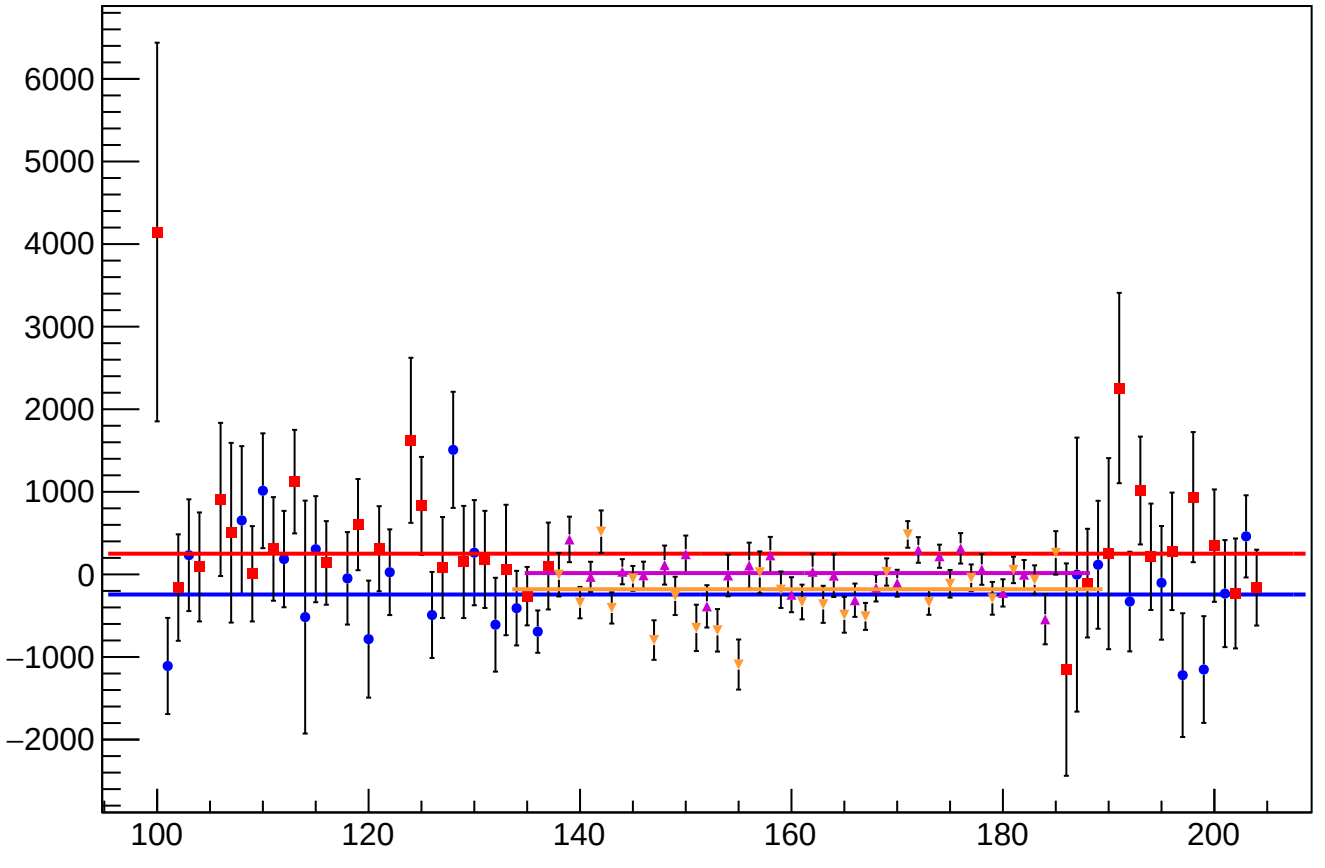
Left: 171.457+/-0.020 χ^2/NDF: 2942653.5/47

Right: 435.424+/-0.061 χ^2/NDF: 5596343.7/53

In: 196.492+/-0.027 χ^2/NDF:11481706.6/46

Out: 198.812+/-0.027 χ^2/NDF:14026777.6/54

All: 197.682+/-0.019 χ^2/NDF: 25512144.1/10



Right In: -243.397+/-117.795 χ^2/NDF: 25.9/23

Left Out: -179.656+/-39.364 χ^2/NDF:67.1/24

Right Out: 250.969+/-117.330 χ^2/NDF: 19.7/29

Left In: 16.057+/-40.396 χ^2/NDF:26.6/22

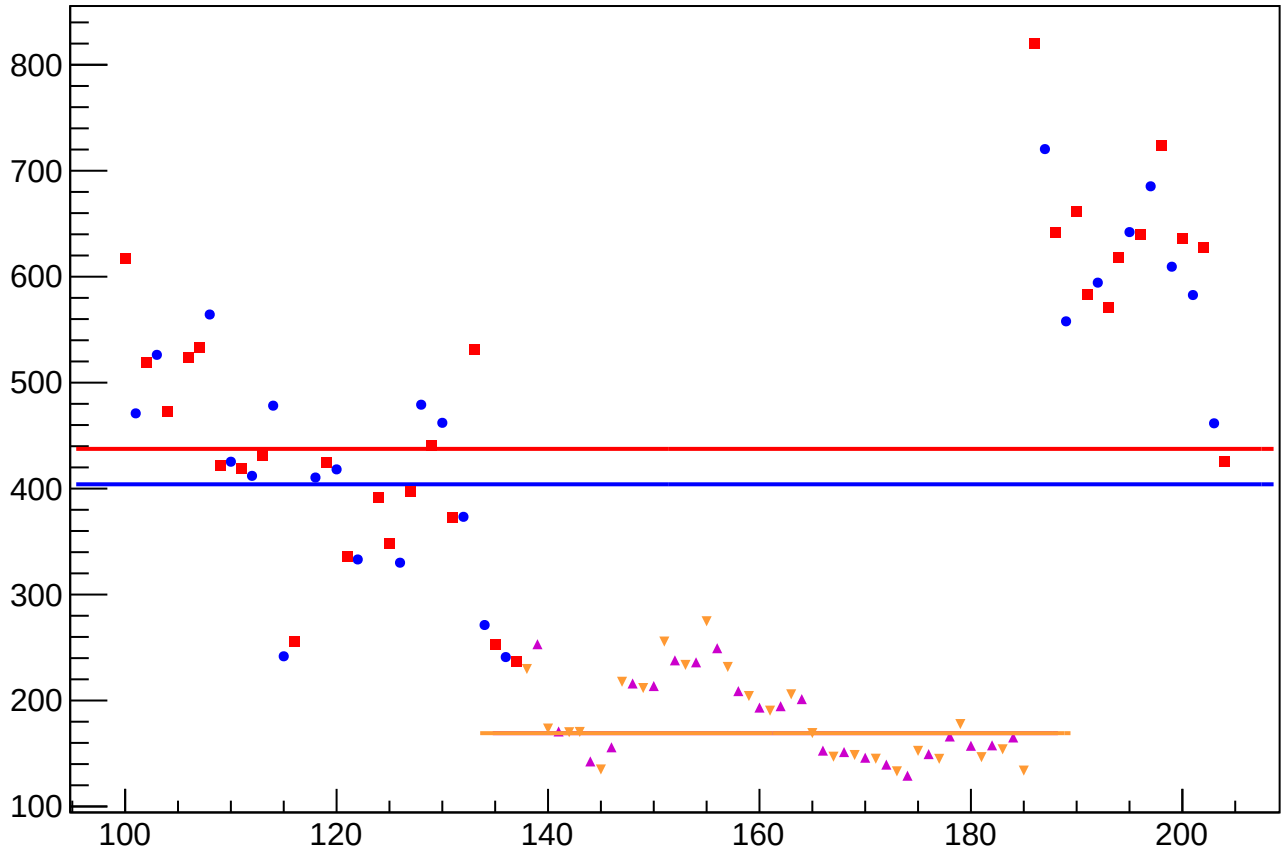
Left: -84.333+/-28.192 χ^2/NDF: 105.8/47

Right: 4.764+/-83.129 χ^2/NDF: 54.4/53

In: -11.245+/-38.212 χ^2/NDF:56.9/46

Out: -136.090+/-37.319 χ^2/NDF:98.9/54

All: -75.142+/-26.699 χ^2/NDF: 161.2/101



Right In: 404.062+/-0.083 χ^2/NDF: 2648795.6/23

Left Out: 169.182+/-0.028 χ^2/NDF:1547748.9/24

Right Out: 437.492+/-0.083 χ^2/NDF: 2851546.5/29

Left In: 169.187+/-0.029 χ^2/NDF:1374439.5/22

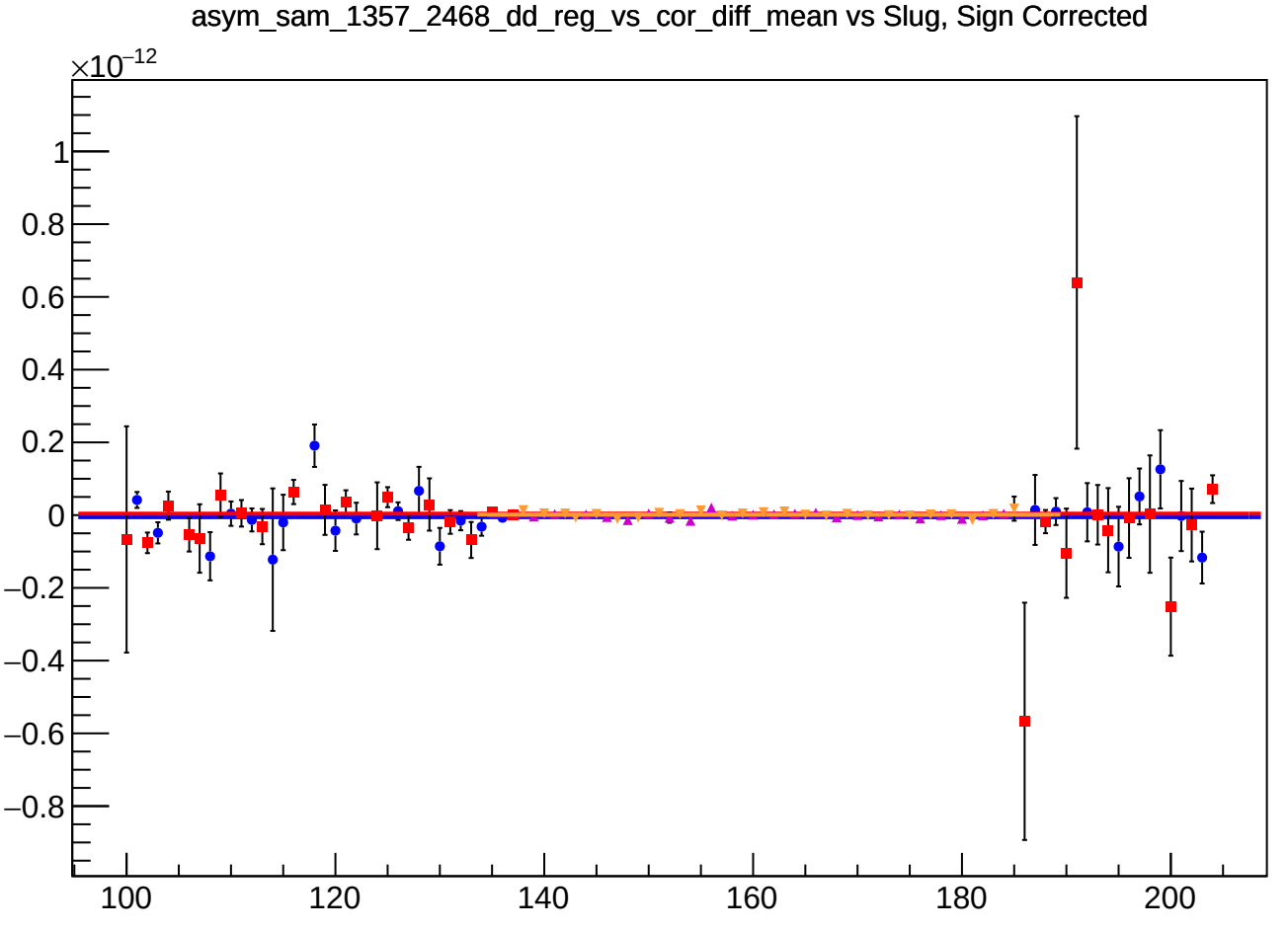
Left: 169.184+/-0.020 χ^2/NDF: 2922188.4/47

Right: 420.843+/-0.059 χ^2/NDF: 5581205.0/53

In: 193.903+/-0.027 χ^2/NDF:11138027.0/46

Out: 196.327+/-0.026 χ^2/NDF:13800161.0/54

All: 195.143+/-0.019 χ^2/NDF: 24942306.1/10



Right In: -0.000+/-0.000 χ^2/NDF: 32.6/23

Left Out: 0.000+/-0.000 χ^2/NDF:18.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 36.2/29

Left In: -0.000+/-0.000 χ^2/NDF:19.7/22

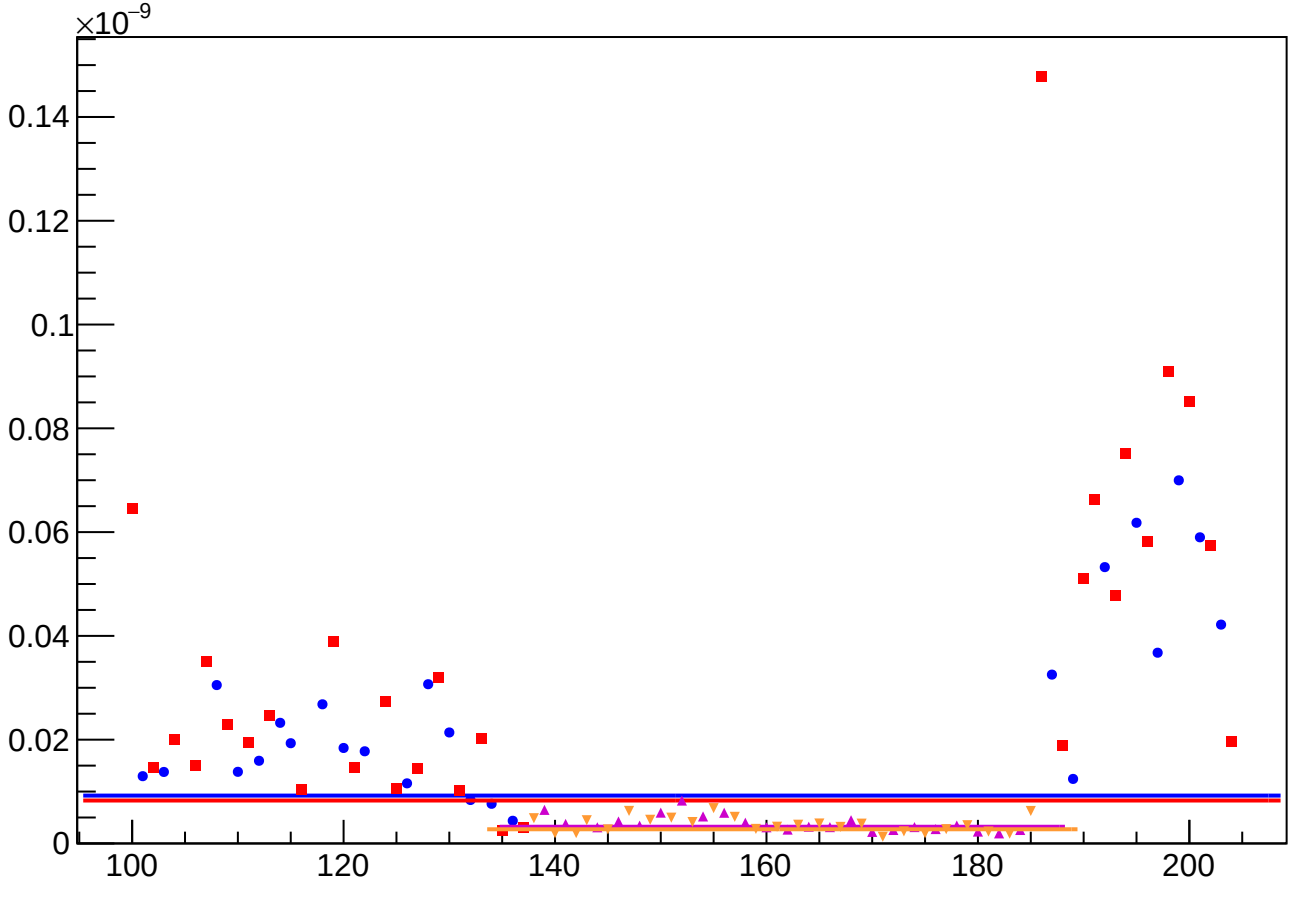
Left: 0.000+/-0.000 χ^2/NDF: 41.2/47

Right: -0.000+/-0.000 χ^2/NDF: 70.4/53

In: -0.000+/-0.000 χ^2/NDF:52.8/46

Out: 0.000+/-0.000 χ^2/NDF:55.2/54

All: 0.000+/-0.000 χ^2/NDF: 111.6/101



Right In: 0.000+/-0.000 χ^2/NDF: 5096004.7/23

Left Out: 0.000+/-0.000 χ^2/NDF:1923193.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7779104.8/29

Left In: 0.000+/-0.000 χ^2/NDF:1355602.1/22

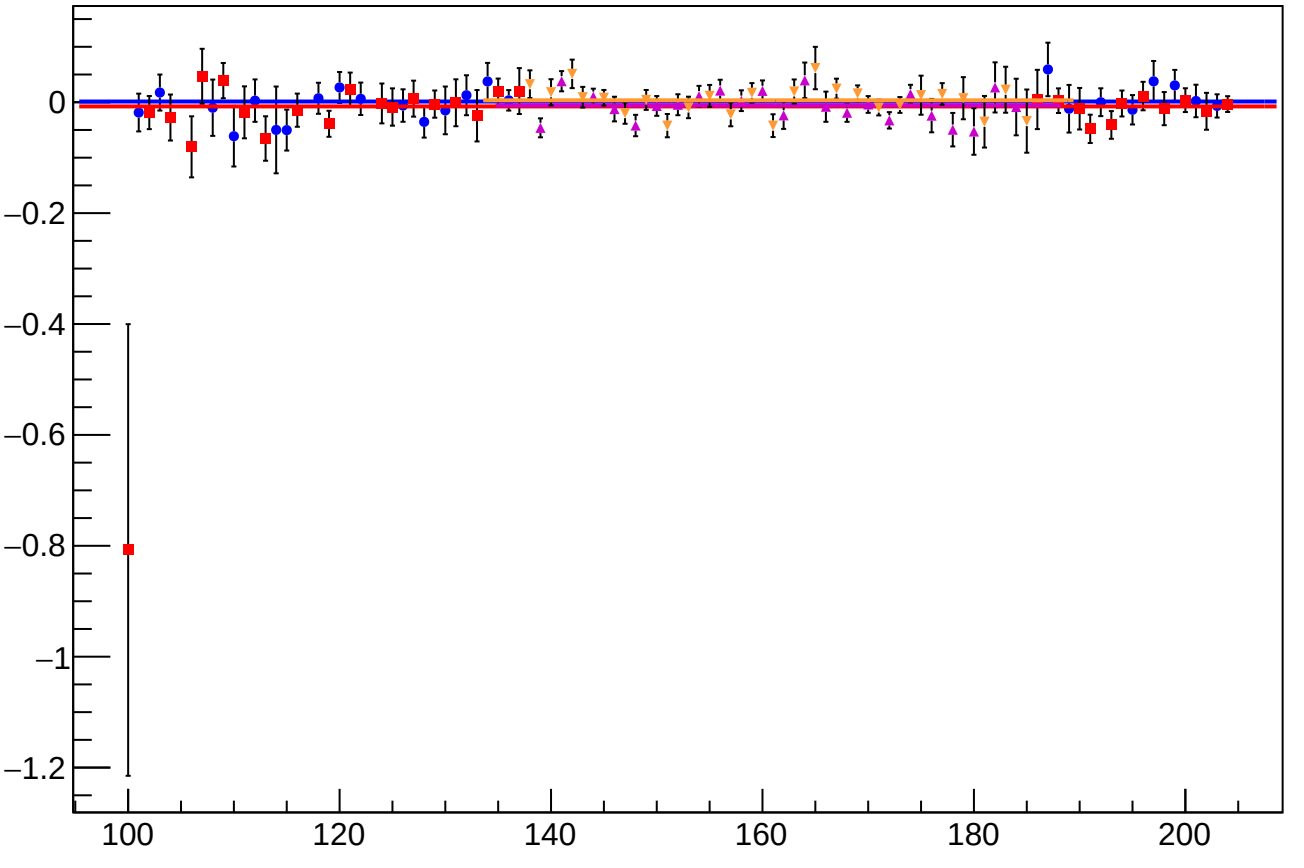
Left: 0.000+/-0.000 χ^2/NDF: 3427530.5/47

Right: 0.000+/-0.000 χ^2/NDF: 12905292.3/53

In: 0.000+/-0.000 χ^2/NDF:8669563.0/46

Out: 0.000+/-0.000 χ^2/NDF:11733194.2/54

All: 0.000+/-0.000 χ^2/NDF: 20616835.0/101



Right In: 0.001+/-0.006 χ^2/NDF: 12.4/23

Left Out: 0.003+/-0.004 χ^2/NDF:26.9/24

Right Out: -0.008+/-0.005 χ^2/NDF: 21.9/29

Left In: -0.005+/-0.004 χ^2/NDF:33.2/22

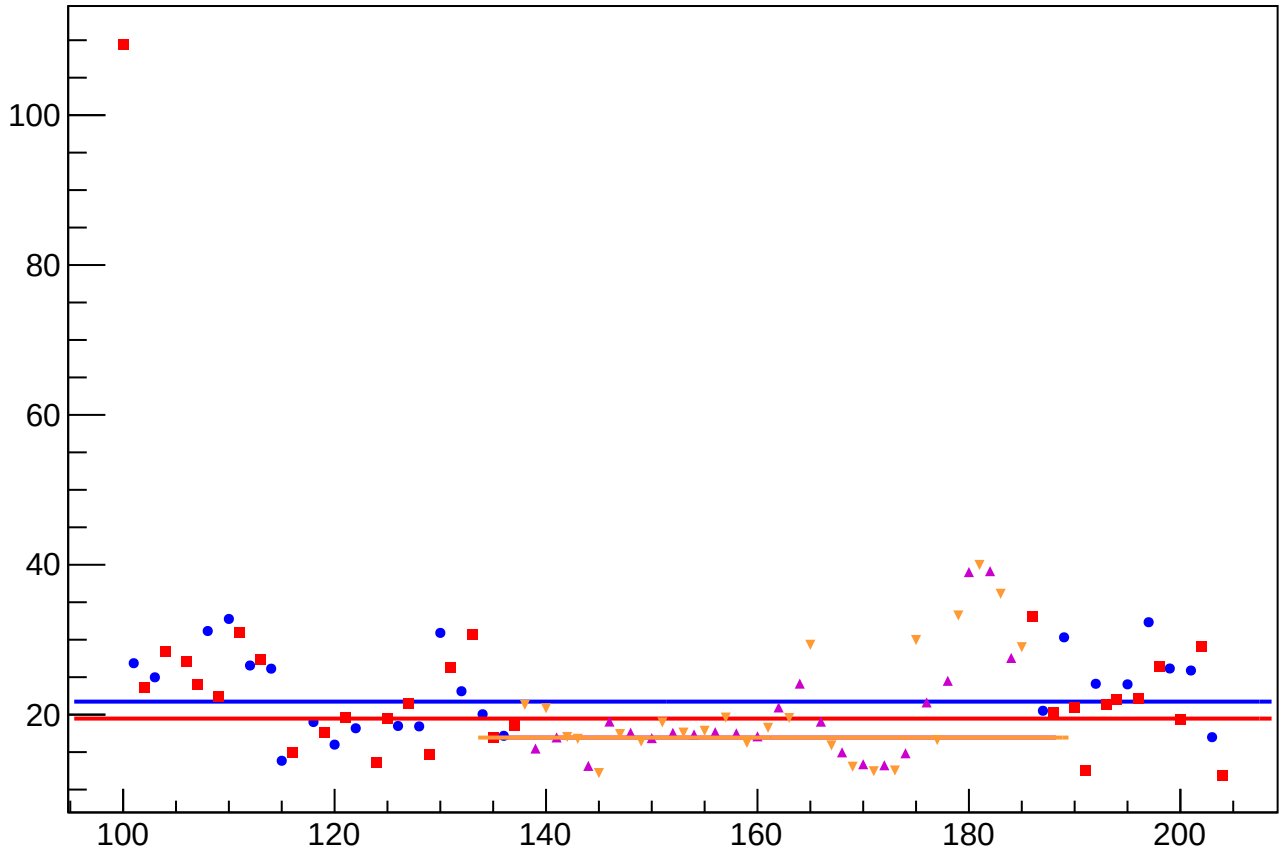
Left: -0.001+/-0.003 χ^2/NDF: 62.5/47

Right: -0.004+/-0.004 χ^2/NDF: 35.5/53

In: -0.003+/-0.003 χ^2/NDF:46.5/46

Out: -0.001+/-0.003 χ^2/NDF:51.5/54

All: -0.002+/-0.002 χ^2/NDF: 98.3/101



Right In: 21.738+/-0.004 χ^2/NDF: 1225117.4/23

Left Out: 16.939+/-0.003 χ^2/NDF:2836877.8/24

Right Out: 19.474+/-0.004 χ^2/NDF: 2070788.3/29

Left In: 16.943+/-0.003 χ^2/NDF:1941845.2/22

Left: 16.941+/-0.002 χ^2/NDF: 4778723.9/47

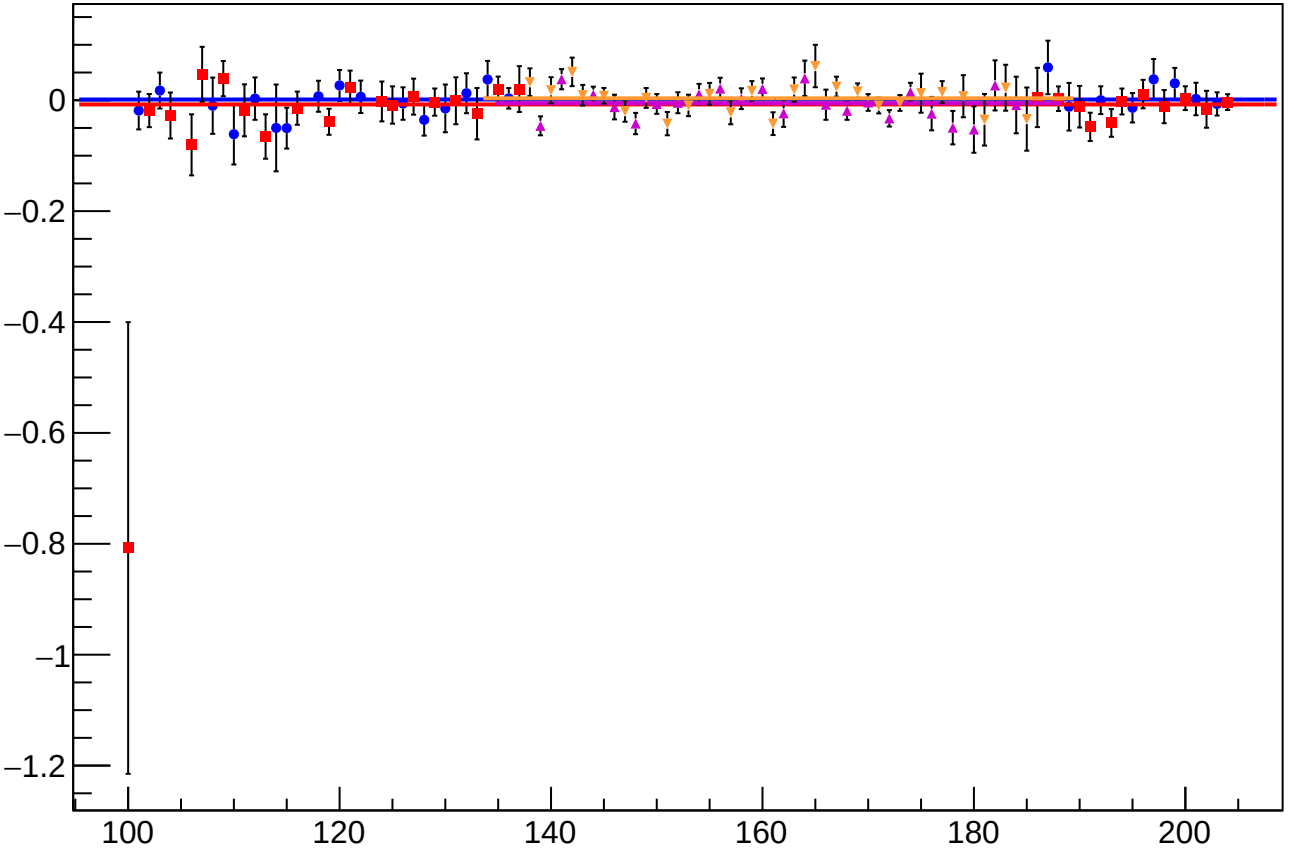
Right: 20.417+/-0.003 χ^2/NDF: 3444457.1/53

In: 18.399+/-0.002 χ^2/NDF:3962254.4/46

Out: 17.872+/-0.002 χ^2/NDF:5190353.1/54

All: 18.116+/-0.002 χ^2/NDF: 9177018.5/101

asym_sam_1357_2468_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.001+/-0.006 χ^2/NDF: 12.4/23

Left Out: 0.003+/-0.004 χ^2/NDF:26.9/24

Right Out: -0.008+/-0.005 χ^2/NDF: 21.9/29

Left In: -0.005+/-0.004 χ^2/NDF:33.2/22

Left: -0.001+/-0.003 χ^2/NDF: 62.5/47

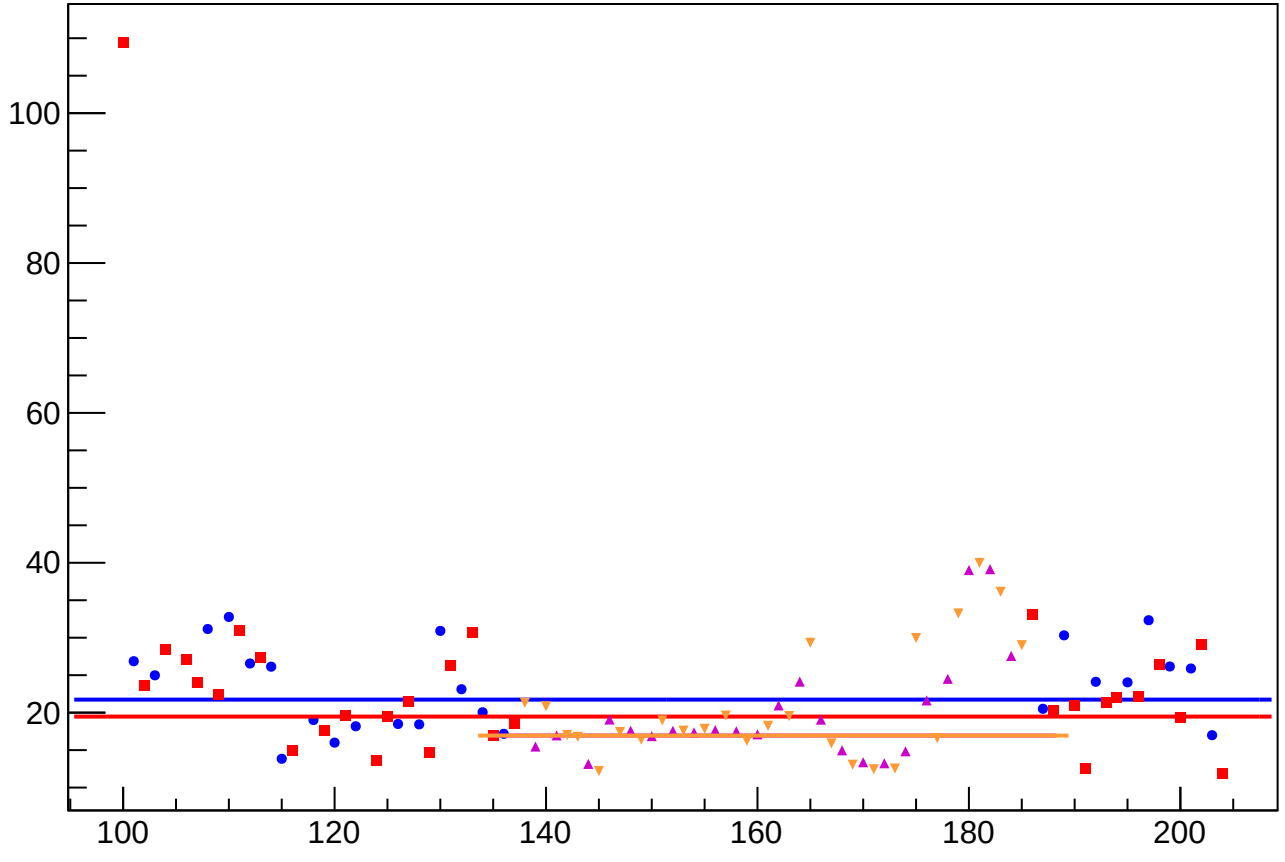
Right: -0.004+/-0.004 χ^2/NDF: 35.5/53

In: -0.003+/-0.003 χ^2/NDF:46.5/46

Out: -0.001+/-0.003 χ^2/NDF:51.5/54

All: -0.002+/-0.002 χ^2/NDF: 98.3/101

asym_sam_1357_2468_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 21.738+/-0.004 χ^2/NDF: 1225117.4/23

Left Out: 16.939+/-0.003 χ^2/NDF:2836877.8/24

Right Out: 19.474+/-0.004 χ^2/NDF: 2070788.3/29

Left In: 16.943+/-0.003 χ^2/NDF:1941845.2/22

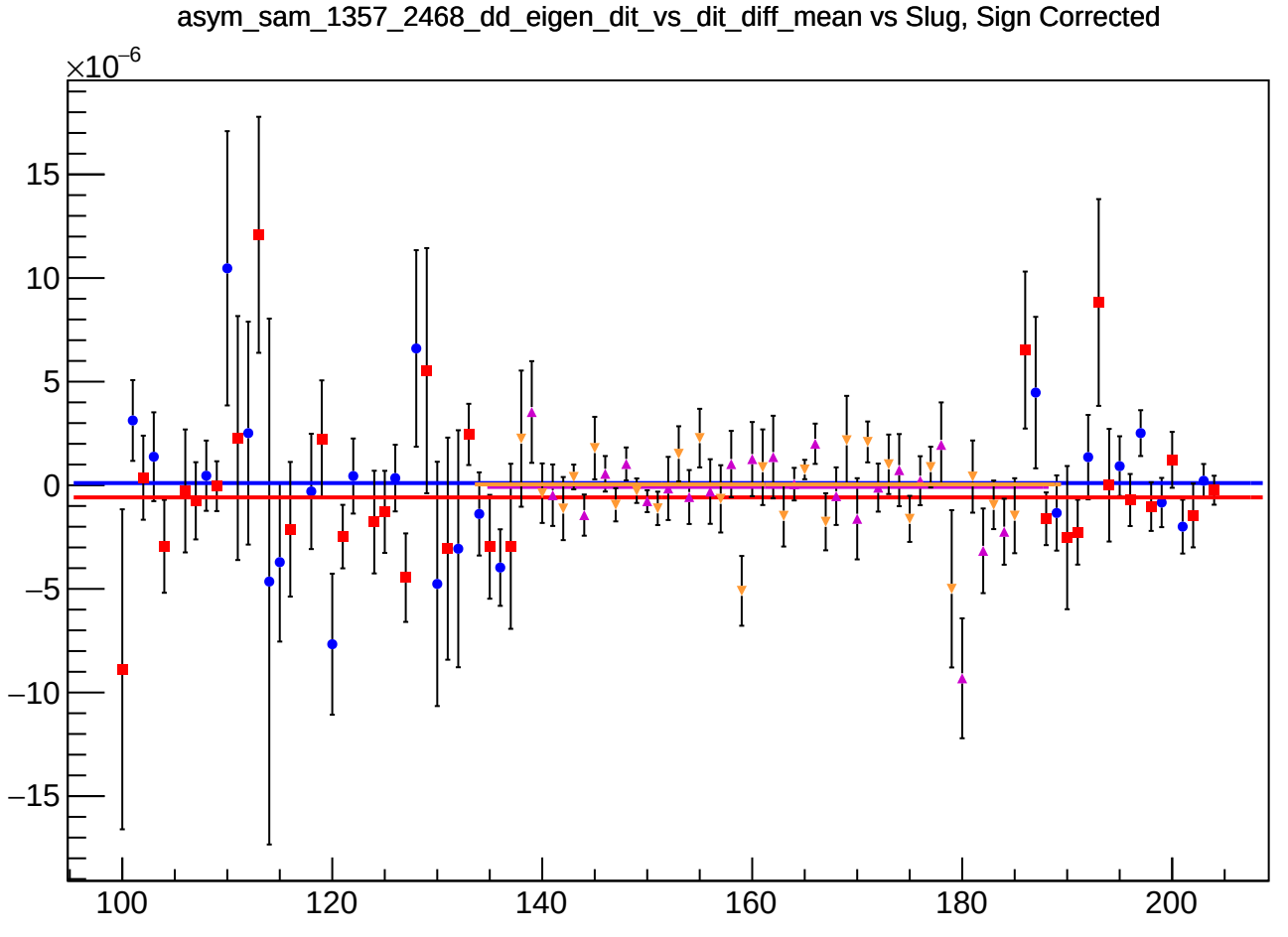
Left: 16.941+/-0.002 χ^2/NDF: 4778723.9/47

Right: 20.417+/-0.003 χ^2/NDF: 3444457.1/53

In: 18.399+/-0.002 χ^2/NDF:3962254.4/46

Out: 17.872+/-0.002 χ^2/NDF:5190353.1/54

All: 18.116+/-0.002 χ^2/NDF: 9177018.5/101



Right In: 0.000+/-0.000 χ^2/NDF: 30.9/23

Left Out: 0.000+/-0.000 χ^2/NDF:37.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 32.8/29

Left In: -0.000+/-0.000 χ^2/NDF:31.0/22

Left: -0.000+/-0.000 χ^2/NDF: 68.3/47

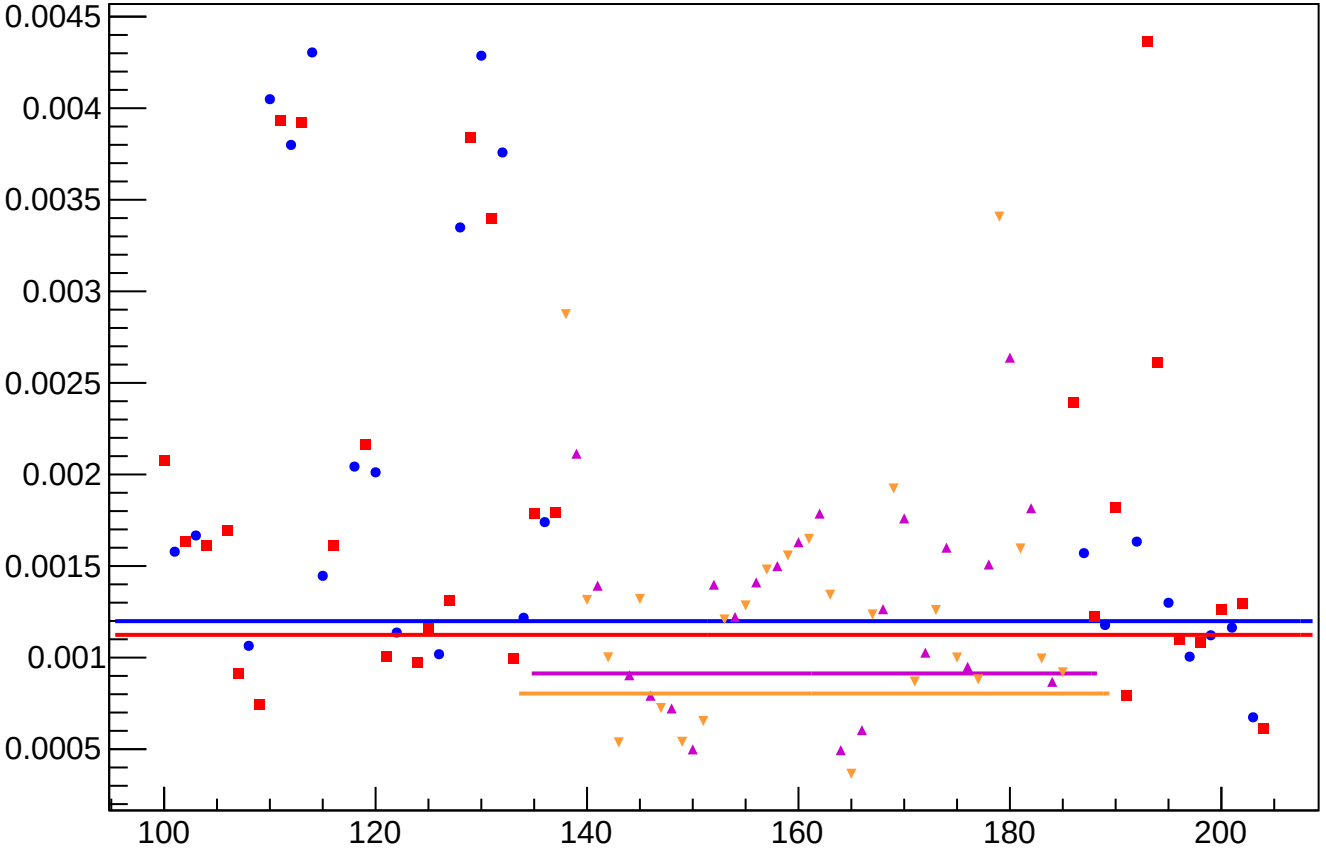
Right: -0.000+/-0.000 χ^2/NDF: 65.7/53

In: -0.000+/-0.000 χ^2/NDF:62.1/46

Out: -0.000+/-0.000 χ^2/NDF:72.6/54

All: -0.000+/-0.000 χ^2/NDF: 134.9/101

asym_sam_1357_2468_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 4043676.4/23

Left Out: 0.001+/-0.000 χ^2/NDF:8261261.7/24

Right Out: 0.001+/-0.000 χ^2/NDF: 5796976.9/29

Left In: 0.001+/-0.000 χ^2/NDF:6446479.8/22

Left: 0.001+/-0.000 χ^2/NDF: 14939708.4/47

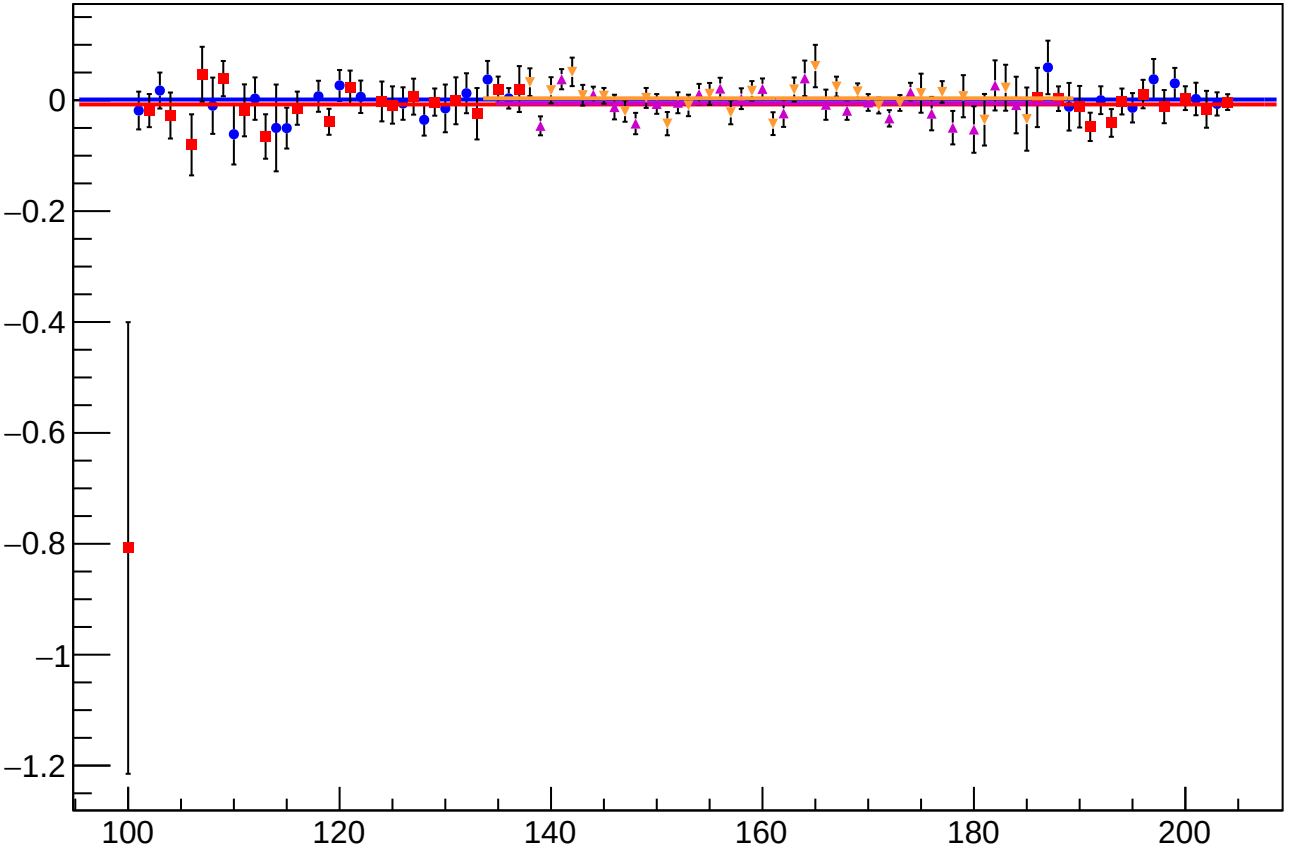
Right: 0.001+/-0.000 χ^2/NDF: 9886560.3/53

In: 0.001+/-0.000 χ^2/NDF:11317567.4/46

Out: 0.001+/-0.000 χ^2/NDF:15421665.1/54

All: 0.001+/-0.000 χ^2/NDF: 27029360.5/101

asym_sam_1357_2468_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.001+/-0.006 χ^2/NDF: 12.4/23

Left Out: 0.003+/-0.004 χ^2/NDF:26.9/24

Right Out: -0.008+/-0.005 χ^2/NDF: 21.9/29

Left In: -0.005+/-0.004 χ^2/NDF:33.2/22

Left: -0.001+/-0.003 χ^2/NDF: 62.5/47

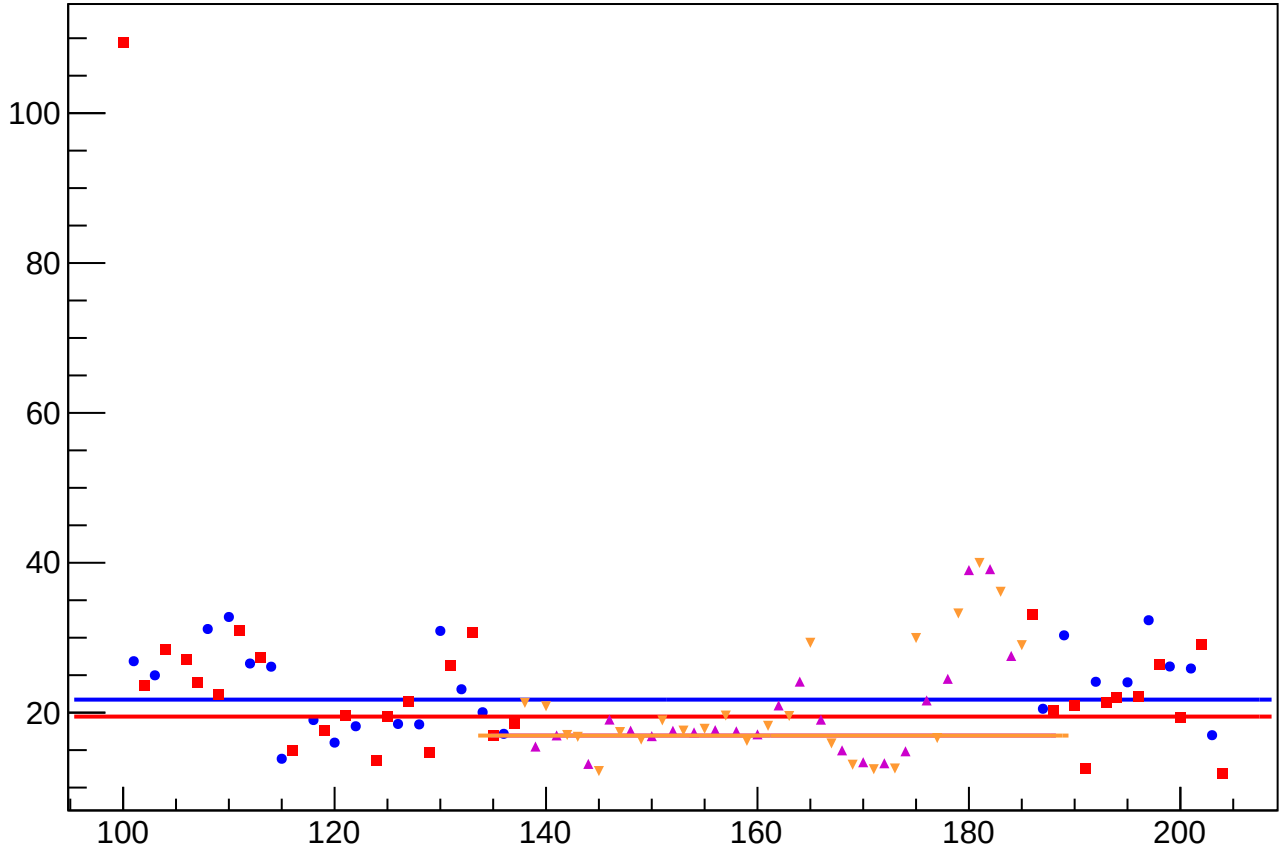
Right: -0.004+/-0.004 χ^2/NDF: 35.5/53

In: -0.003+/-0.003 χ^2/NDF:46.5/46

Out: -0.001+/-0.003 χ^2/NDF:51.5/54

All: -0.002+/-0.002 χ^2/NDF: 98.3/101

asym_sam_1357_2468_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 21.738+/-0.004 χ^2/NDF: 1225090.7/23

Left Out: 16.939+/-0.003 χ^2/NDF:2836863.1/24

Right Out: 19.474+/-0.004 χ^2/NDF: 2070880.3/29

Left In: 16.943+/-0.003 χ^2/NDF:1941834.9/22

Left: 16.941+/-0.002 χ^2/NDF: 4778698.8/47

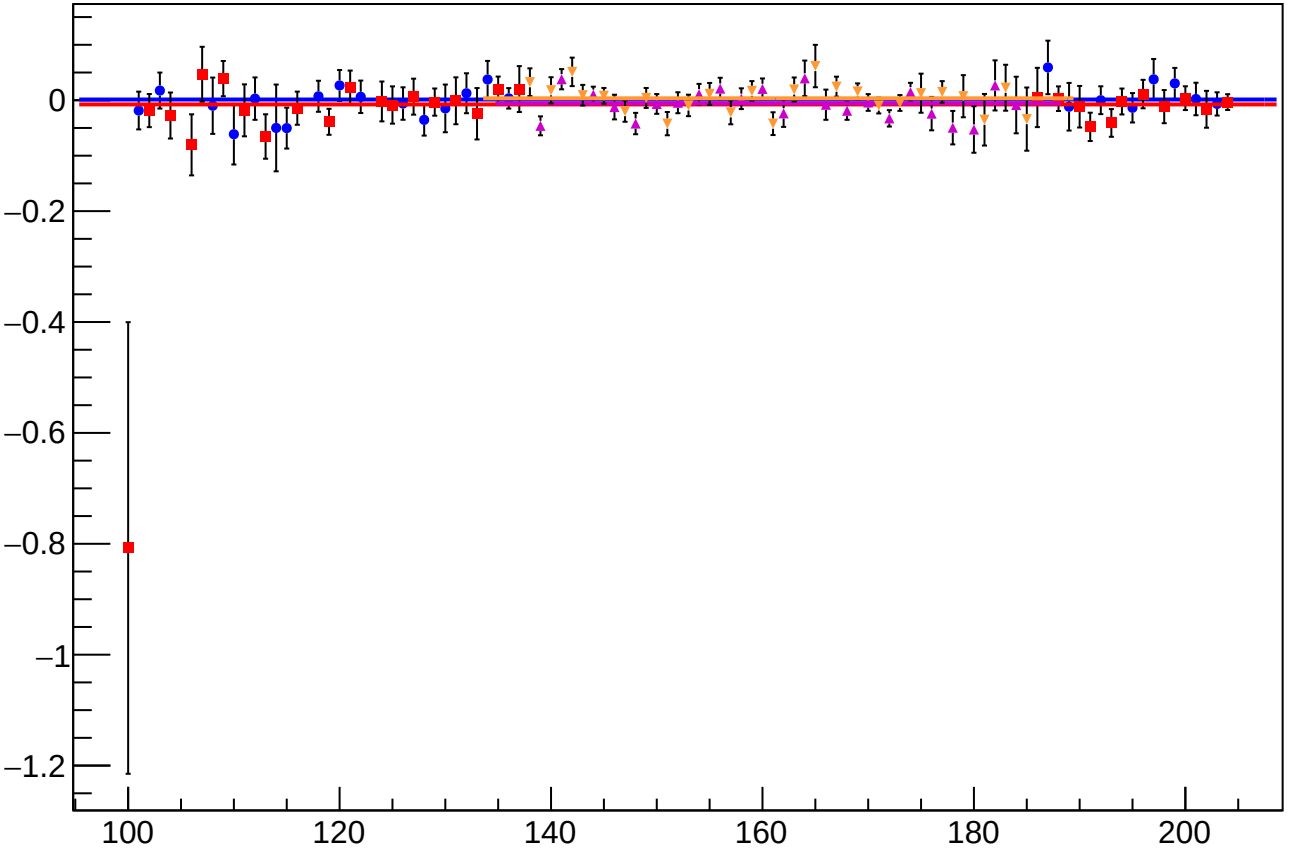
Right: 20.417+/-0.003 χ^2/NDF: 3444521.5/53

In: 18.399+/-0.002 χ^2/NDF:3962064.9/46

Out: 17.872+/-0.002 χ^2/NDF:5190316.0/54

All: 18.116+/-0.002 χ^2/NDF: 9176791.4/101

asym_sam_1357_2468_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.001+/-0.006 χ^2/NDF: 12.4/23

Left Out: 0.003+/-0.004 χ^2/NDF:26.9/24

Right Out: -0.008+/-0.005 χ^2/NDF: 21.9/29

Left In: -0.005+/-0.004 χ^2/NDF:33.2/22

Left: -0.001+/-0.003 χ^2/NDF: 62.5/47

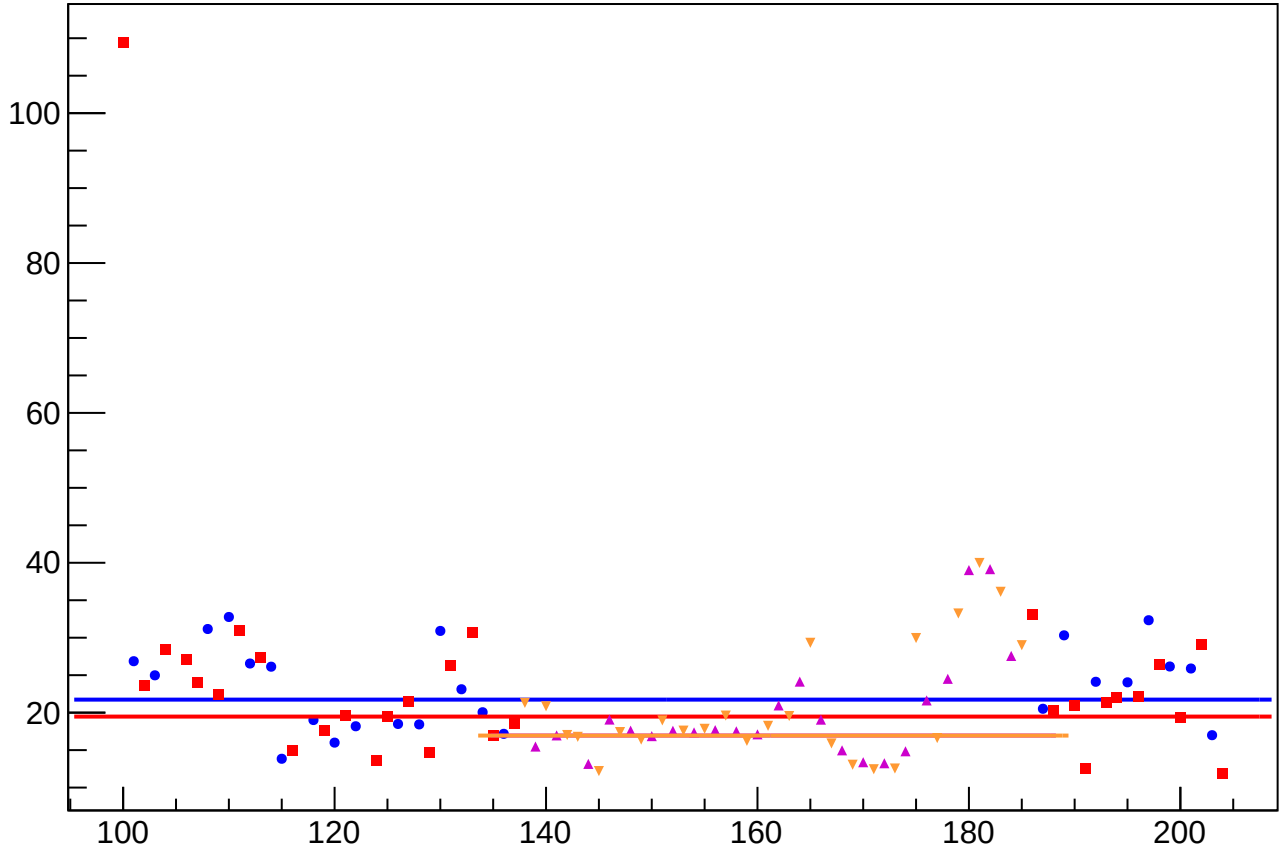
Right: -0.004+/-0.004 χ^2/NDF: 35.5/53

In: -0.003+/-0.003 χ^2/NDF:46.5/46

Out: -0.001+/-0.003 χ^2/NDF:51.5/54

All: -0.002+/-0.002 χ^2/NDF: 98.3/101

asym_sam_1357_2468_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 21.738+/-0.004 χ^2/NDF: 1225090.7/23

Left Out: 16.939+/-0.003 χ^2/NDF:2836863.1/24

Right Out: 19.474+/-0.004 χ^2/NDF: 2070880.3/29

Left In: 16.943+/-0.003 χ^2/NDF:1941834.9/22

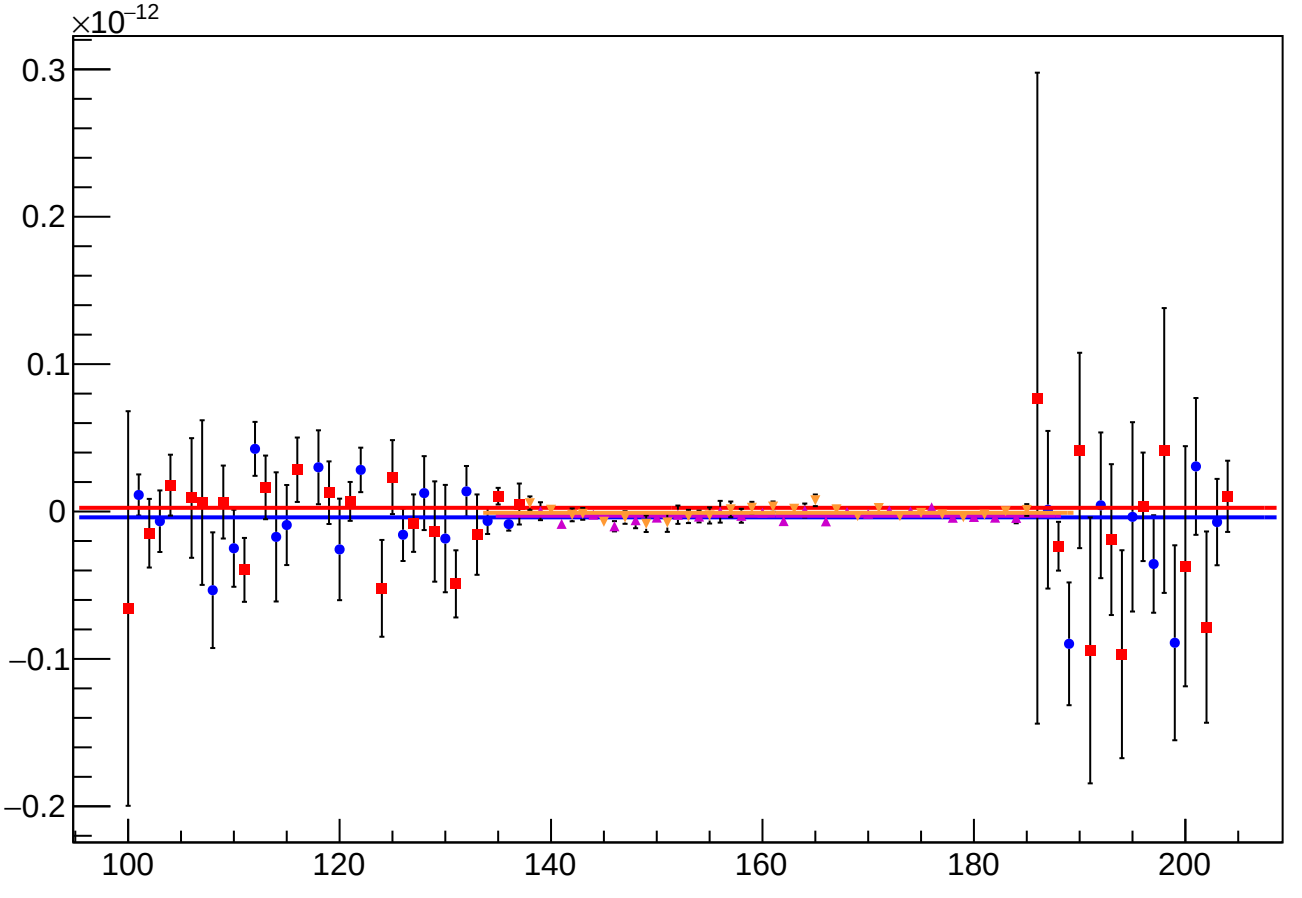
Left: 16.941+/-0.002 χ^2/NDF: 4778698.8/47

Right: 20.417+/-0.003 χ^2/NDF: 3444521.5/53

In: 18.399+/-0.002 χ^2/NDF:3962064.9/46

Out: 17.872+/-0.002 χ^2/NDF:5190316.0/54

All: 18.116+/-0.002 χ^2/NDF: 9176791.4/101



Right In: -0.000+/-0.000 χ^2/NDF: 27.5/23

Left Out: -0.000+/-0.000 χ^2/NDF:23.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 27.2/29

Left In: -0.000+/-0.000 χ^2/NDF:23.1/22

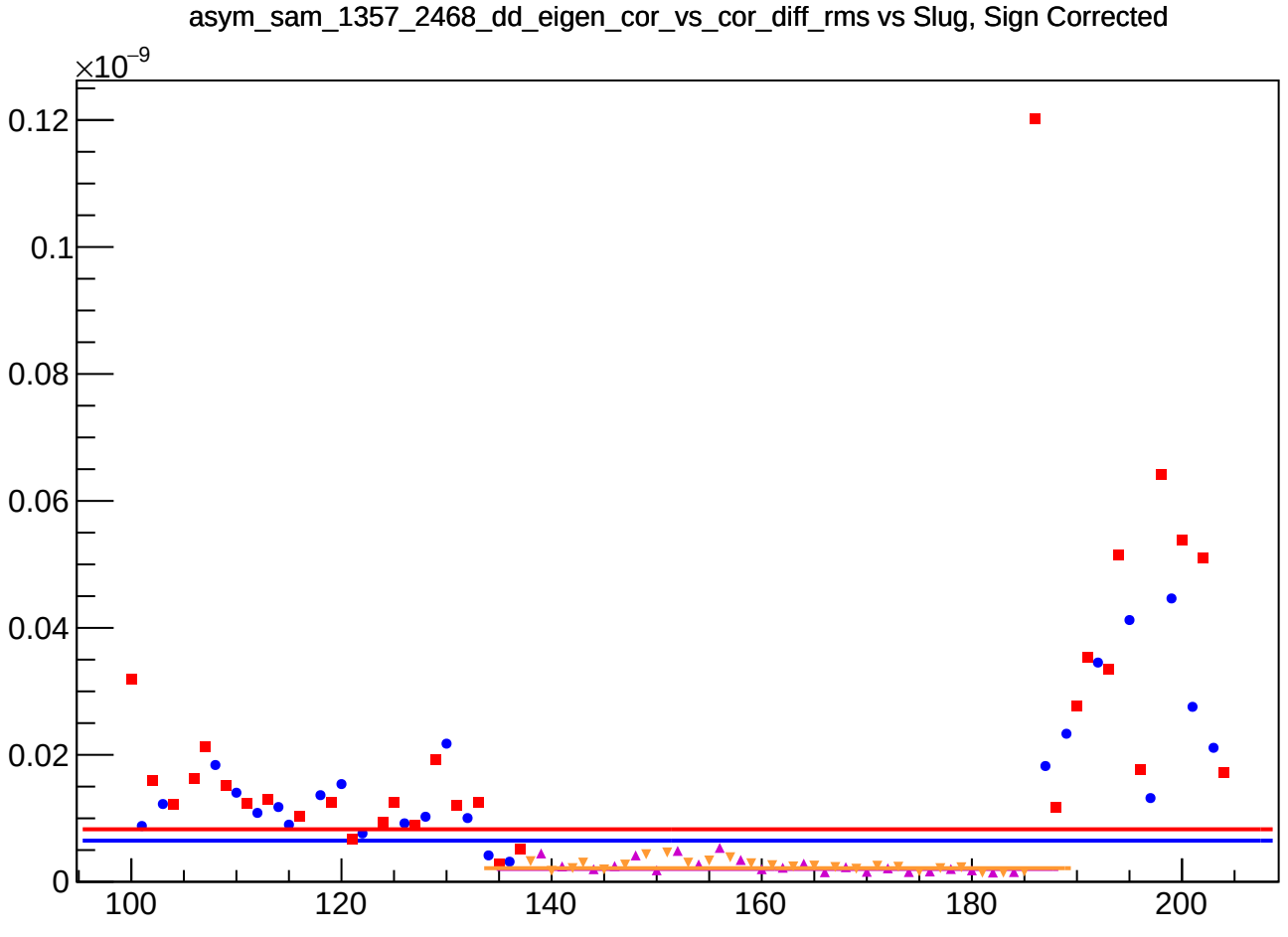
Left: -0.000+/-0.000 χ^2/NDF: 51.6/47

Right: -0.000+/-0.000 χ^2/NDF: 56.4/53

In: -0.000+/-0.000 χ^2/NDF:50.7/46

Out: -0.000+/-0.000 χ^2/NDF:51.6/54

All: -0.000+/-0.000 χ^2/NDF: 108.1/101



Right In: 0.000+/-0.000 χ^2/NDF: 6136926.6/23

Left Out: 0.000+/-0.000 χ^2/NDF:2184835.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8083428.8/29

Left In: 0.000+/-0.000 χ^2/NDF:2375362.0/22

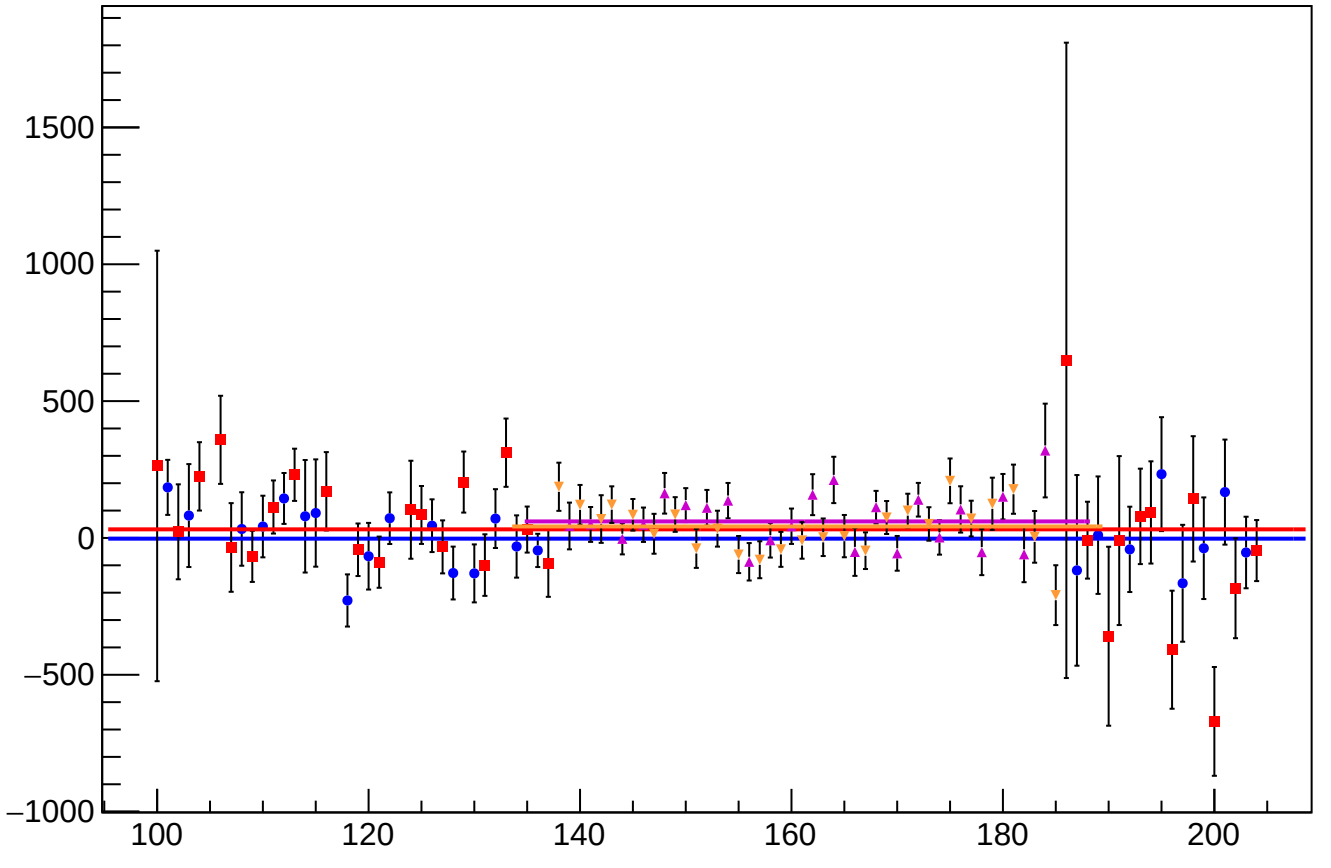
Left: 0.000+/-0.000 χ^2/NDF: 4598686.8/47

Right: 0.000+/-0.000 χ^2/NDF: 14491152.7/53

In: 0.000+/-0.000 χ^2/NDF:12299841.7/46

Out: 0.000+/-0.000 χ^2/NDF:15700313.2/54

All: 0.000+/-0.000 χ^2/NDF: 28046057.3/101



Right In: -2.608+/-24.353 χ^2/NDF: 20.7/23

Left Out: 42.012+/-14.181 χ^2/NDF:32.0/24

Right Out: 31.445+/-23.933 χ^2/NDF: 47.5/29

Left In: 60.376+/-14.714 χ^2/NDF:32.2/22

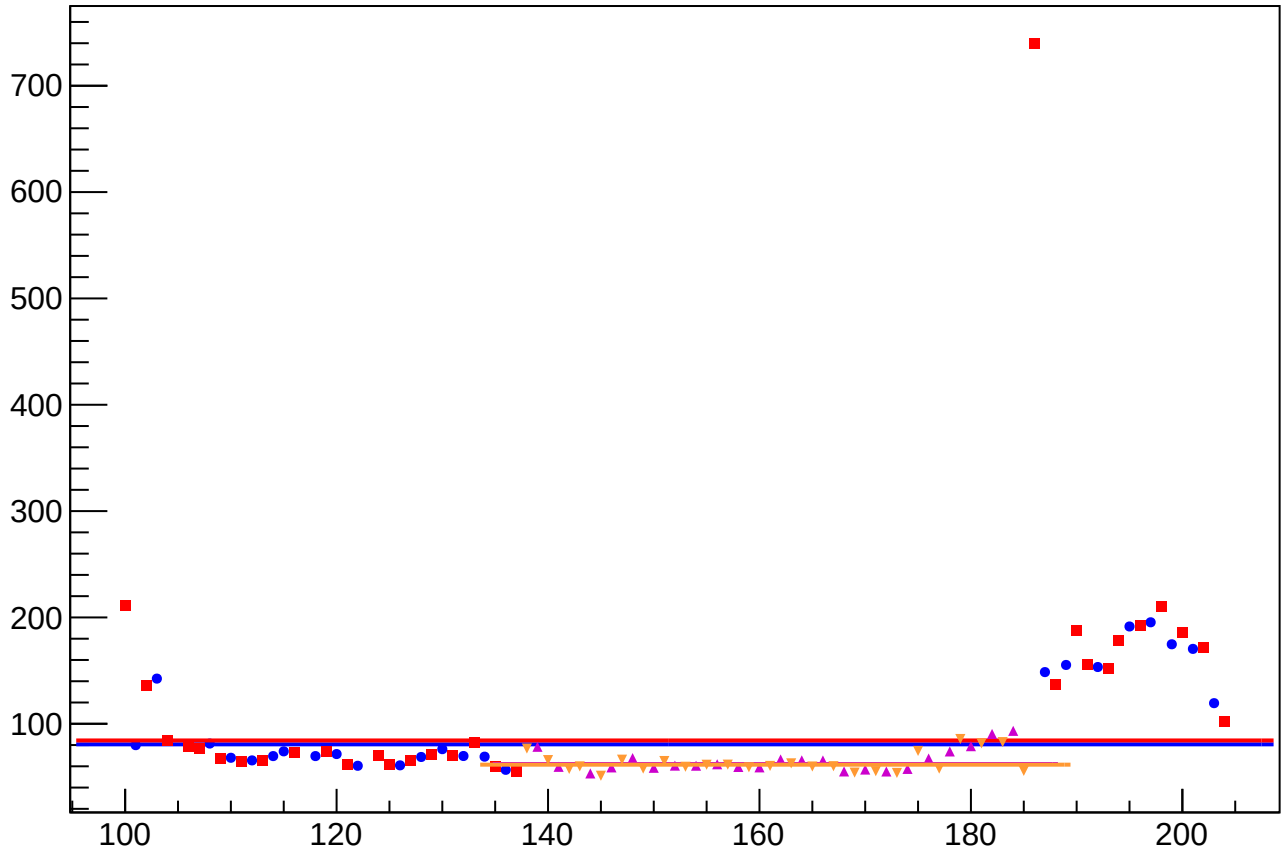
Left: 50.856+/-10.211 χ^2/NDF: 65.0/47

Right: 14.715+/-17.070 χ^2/NDF: 69.3/53

In: 43.533+/-12.594 χ^2/NDF:57.8/46

Out: 39.266+/-12.200 χ^2/NDF:79.7/54

All: 41.332+/-8.763 χ^2/NDF: 137.6/101



Right In: 80.650+/-0.017 χ^2/NDF: 3927494.1/23

Left Out: 61.544+/-0.010 χ^2/NDF:637834.8/24

Right Out: 84.313+/-0.017 χ^2/NDF: 5302328.9/29

Left In: 62.144+/-0.010 χ^2/NDF:596754.9/22

Left: 61.833+/-0.007 χ^2/NDF: 1236316.2/47

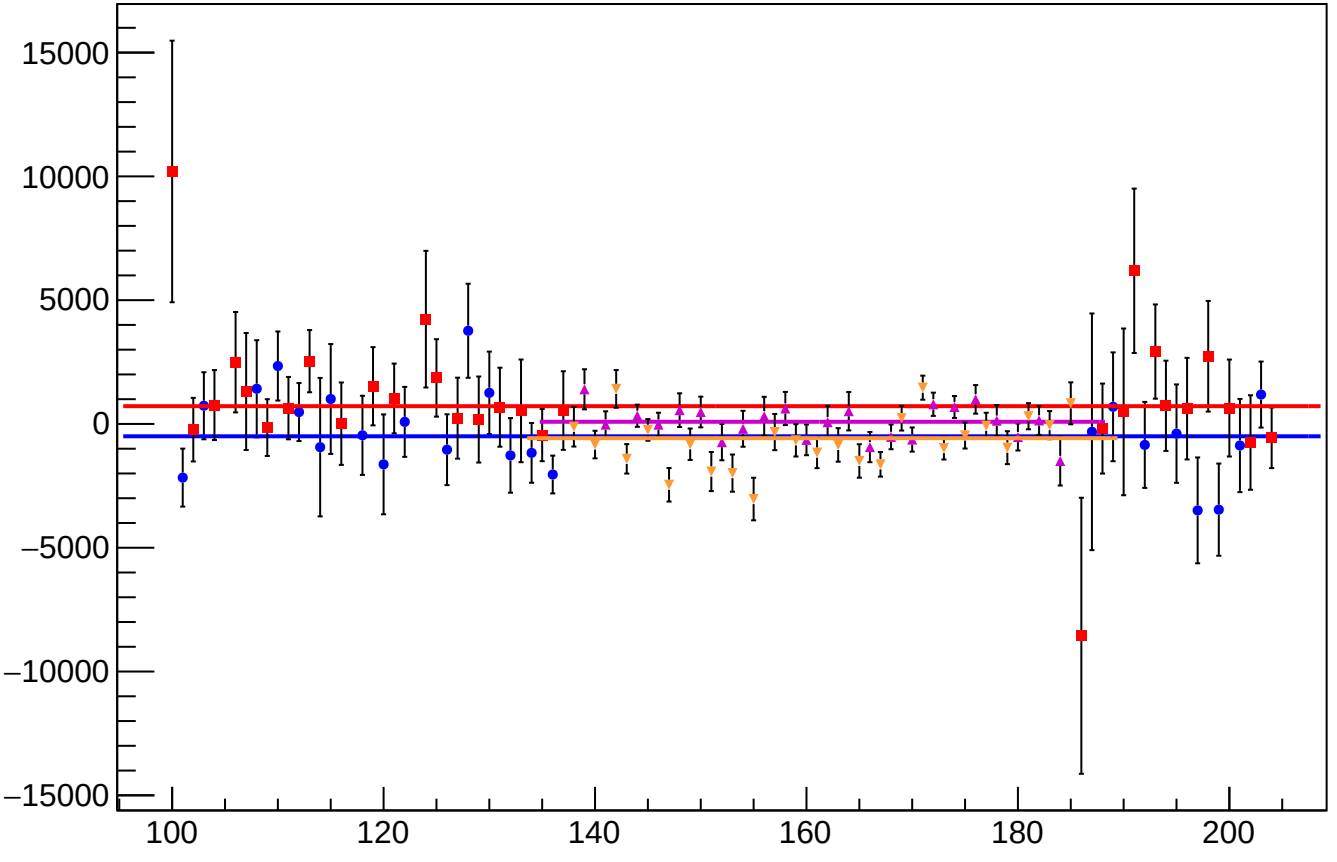
Right: 82.513+/-0.012 χ^2/NDF: 9252839.2/53

In: 67.093+/-0.009 χ^2/NDF:5370259.4/46

Out: 67.461+/-0.009 χ^2/NDF:7279920.2/54

All: 67.283+/-0.006 χ^2/NDF: 12651058.4/101

asym_sam_12345678_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -498.297+/-310.034 χ^2/NDF: 27.0/23

Left Out: -574.818+/-119.736 χ^2/NDF:68.8/24

Right Out: 718.235+/-304.941 χ^2/NDF: 20.9/29

Left In: 88.334+/-122.492 χ^2/NDF:24.6/22

Left: -250.787+/-85.624 χ^2/NDF: 108.4/47

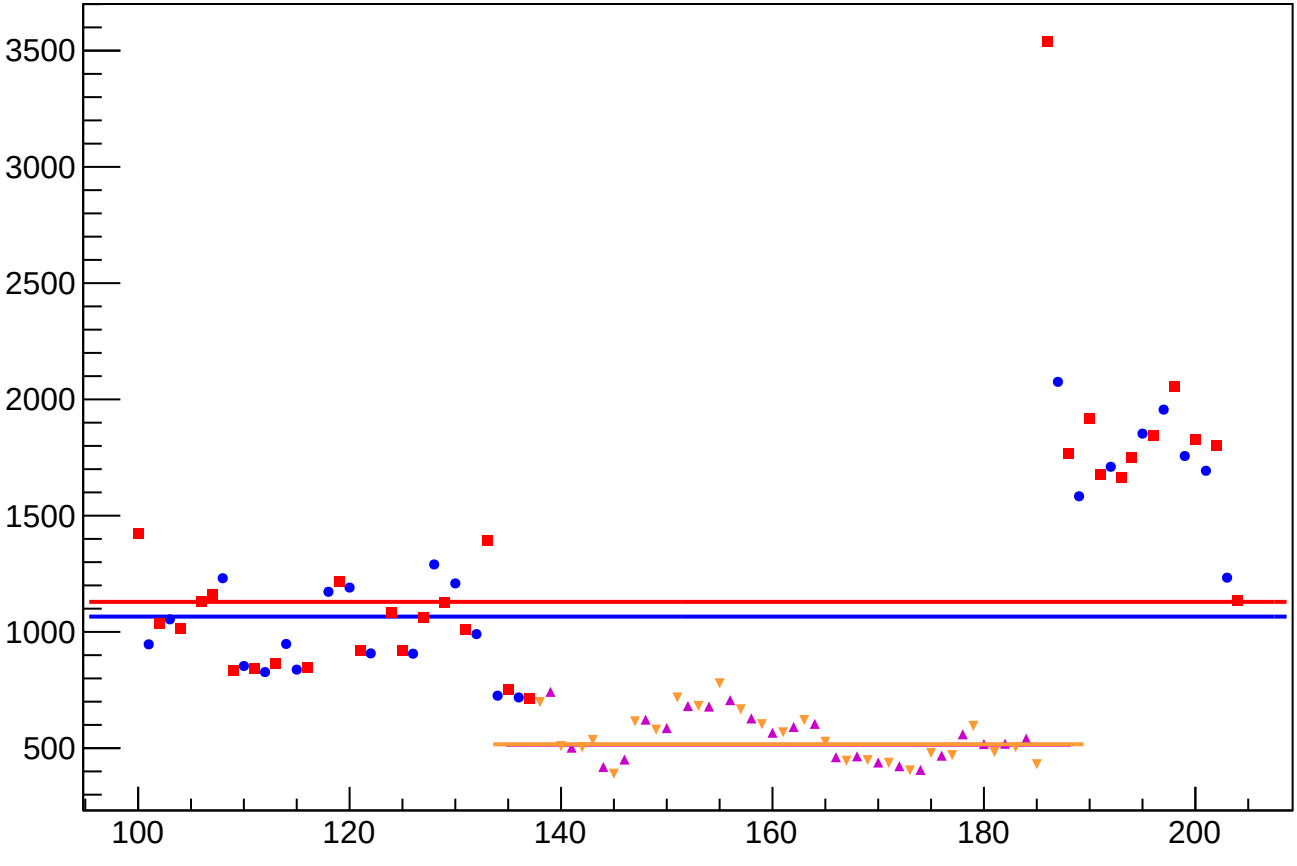
Right: 120.044+/-217.404 χ^2/NDF: 55.8/53

In: 9.126+/-113.923 χ^2/NDF:54.7/46

Out: -402.089+/-111.452 χ^2/NDF:105.3/54

All: -200.989+/-79.668 χ^2/NDF: 166.7/101

asym_sam_12345678_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 1065.834+/-0.219 χ^2/NDF: 2542138.9/23

Left Out: 516.635+/-0.085 χ^2/NDF:1265161.0/24

Right Out: 1129.228+/-0.216 χ^2/NDF: 3208423.5/29

Left In: 514.781+/-0.087 χ^2/NDF:1120436.1/22

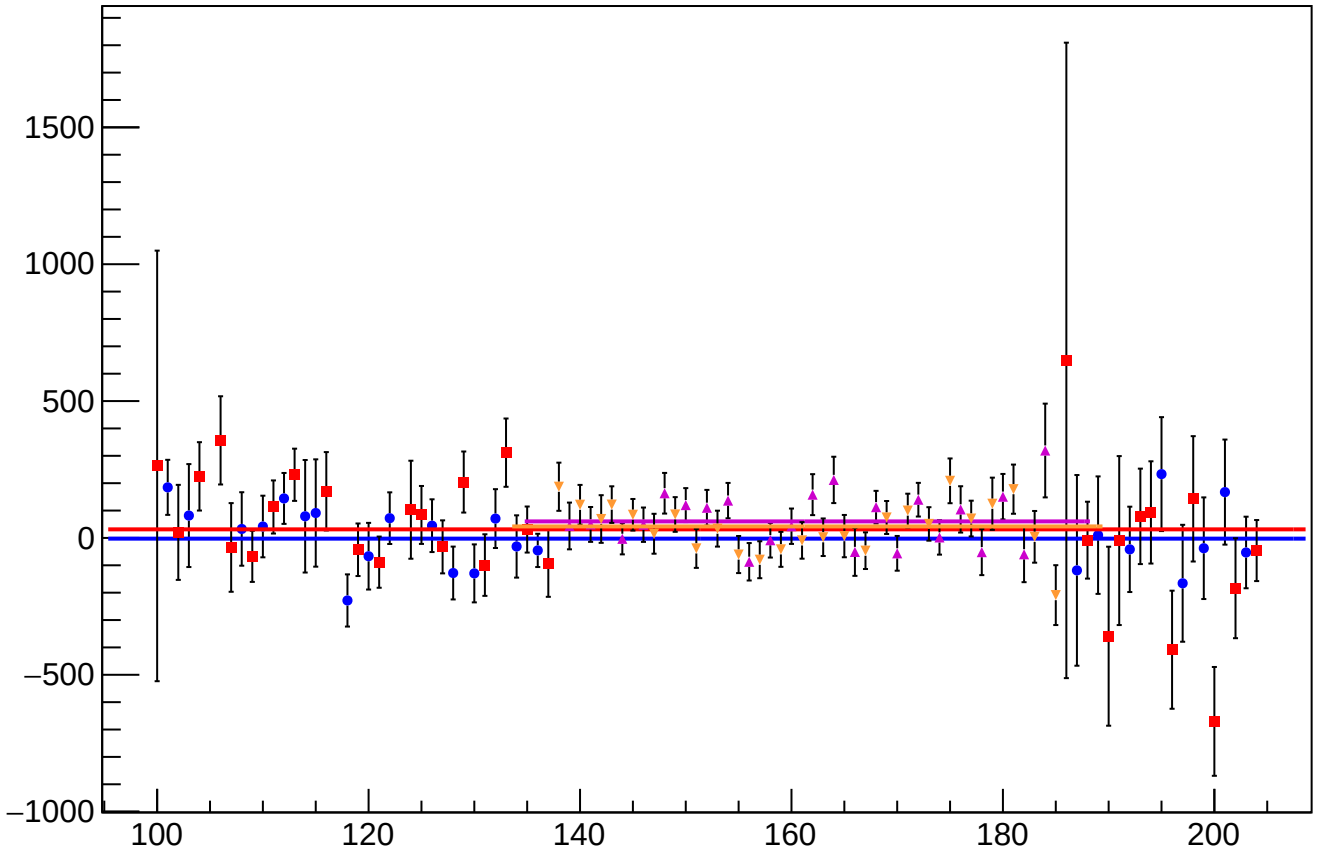
Left: 515.729+/-0.061 χ^2/NDF: 2385831.5/47

Right: 1098.056+/-0.154 χ^2/NDF: 5793064.6/53

In: 589.185+/-0.081 χ^2/NDF:9127734.7/46

Out: 598.467+/-0.079 χ^2/NDF:11466690.4/54

All: 593.928+/-0.056 χ^2/NDF: 20601208.1/10



Right In: -2.614+/-24.353 χ^2/NDF: 20.7/23

Left Out: 42.017+/-14.181 χ^2/NDF:32.0/24

Right Out: 31.344+/-23.934 χ^2/NDF: 47.5/29

Left In: 60.376+/-14.714 χ^2/NDF:32.2/22

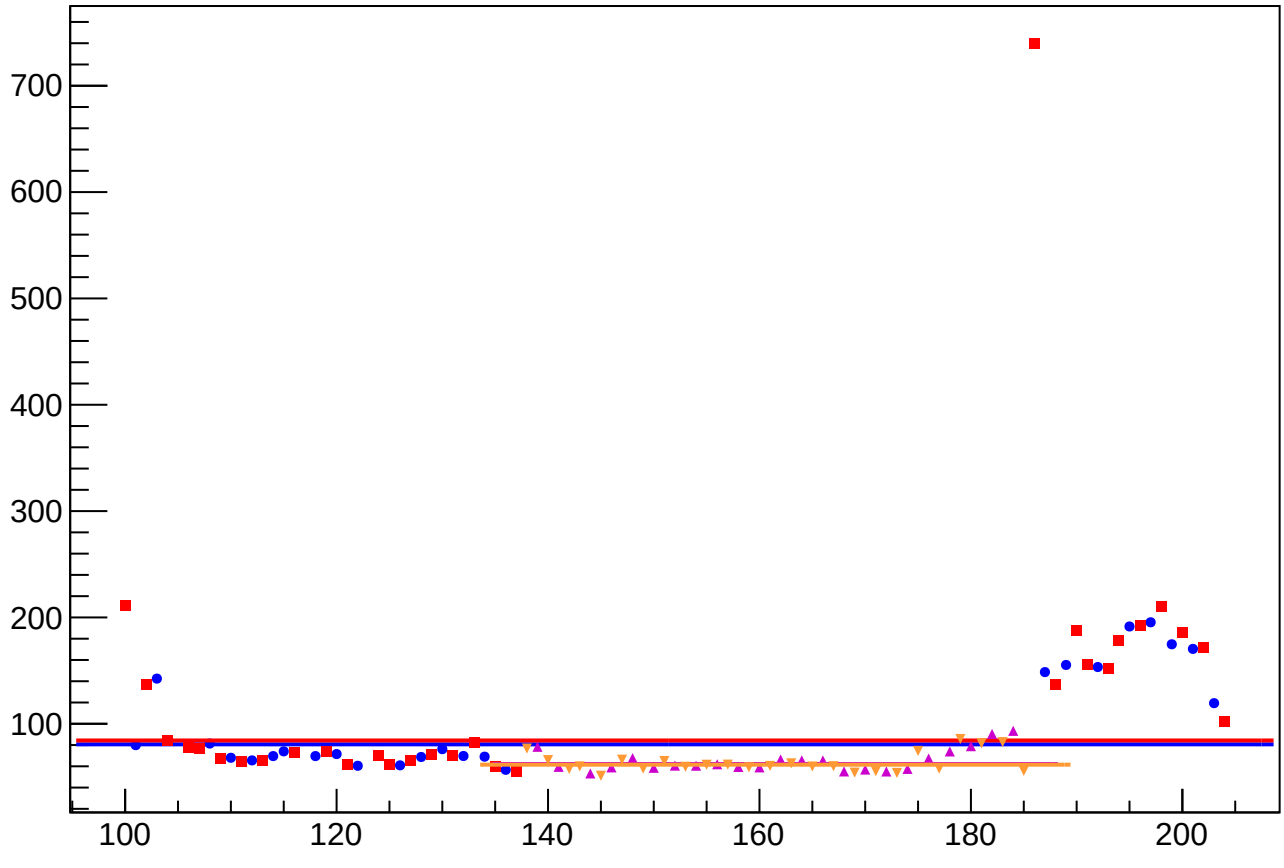
Left: 50.858+/-10.211 χ^2/NDF: 65.0/47

Right: 14.660+/-17.070 χ^2/NDF: 69.2/53

In: 43.531+/-12.594 χ^2/NDF:57.8/46

Out: 39.244+/-12.200 χ^2/NDF:79.7/54

All: 41.320+/-8.763 χ^2/NDF: 137.5/101



Right In: 80.650+/-0.017 χ^2/NDF: 3927497.1/23

Left Out: 61.544+/-0.010 χ^2/NDF:637834.9/24

Right Out: 84.298+/-0.017 χ^2/NDF: 5303289.9/29

Left In: 62.144+/-0.010 χ^2/NDF:596754.9/22

Left: 61.833+/-0.007 χ^2/NDF: 1236316.3/47

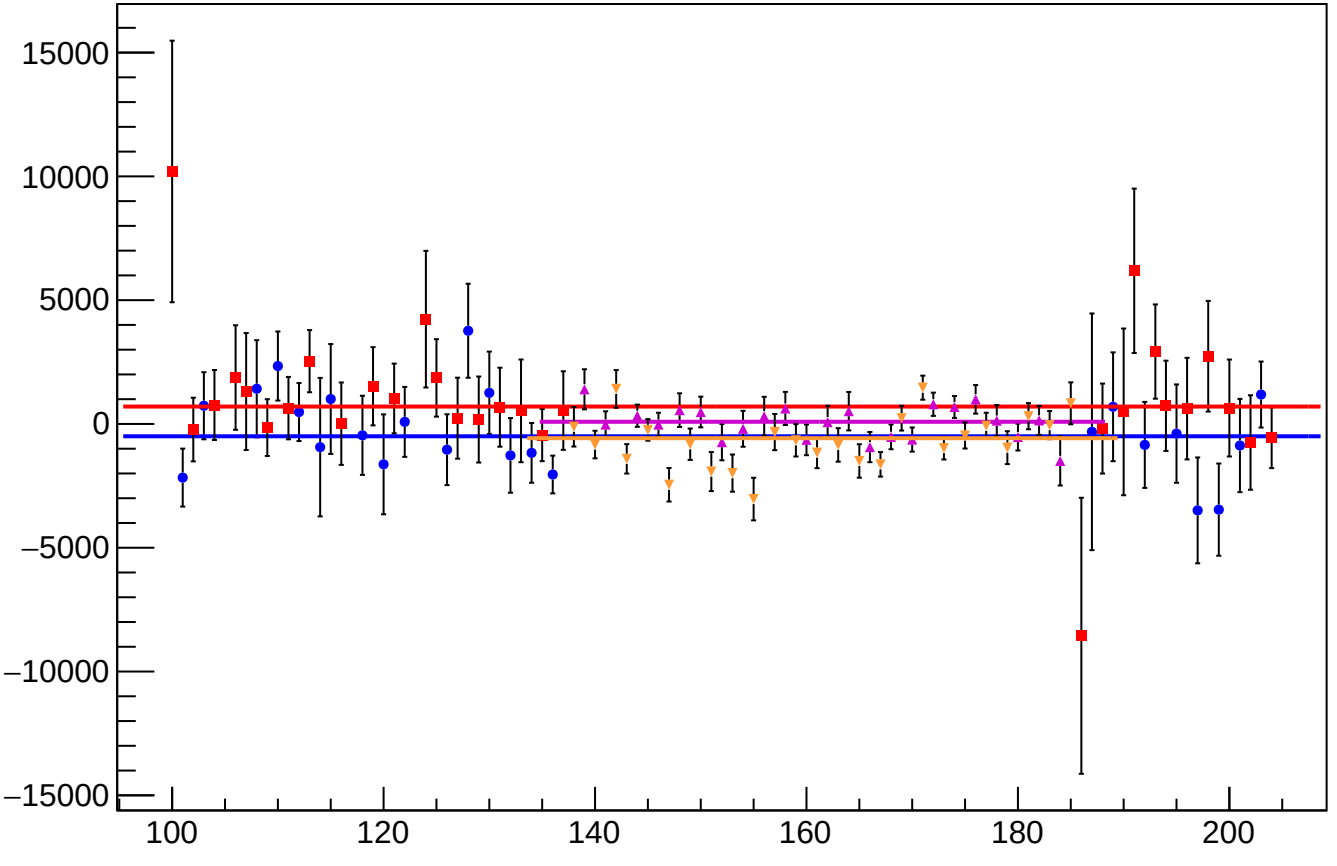
Right: 82.506+/-0.012 χ^2/NDF: 9253616.1/53

In: 67.093+/-0.009 χ^2/NDF:5370262.4/46

Out: 67.457+/-0.009 χ^2/NDF:7279066.2/54

All: 67.281+/-0.006 χ^2/NDF: 12650187.6/101

asym_sam_12345678_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -498.273+/-310.035 χ^2/NDF: 27.0/23

Left Out: -574.811+/-119.736 χ^2/NDF:68.8/24

Right Out: 702.532+/-305.221 χ^2/NDF: 20.4/29

Left In: 88.333+/-122.492 χ^2/NDF:24.6/22

Left: -250.783+/-85.624 χ^2/NDF: 108.4/47

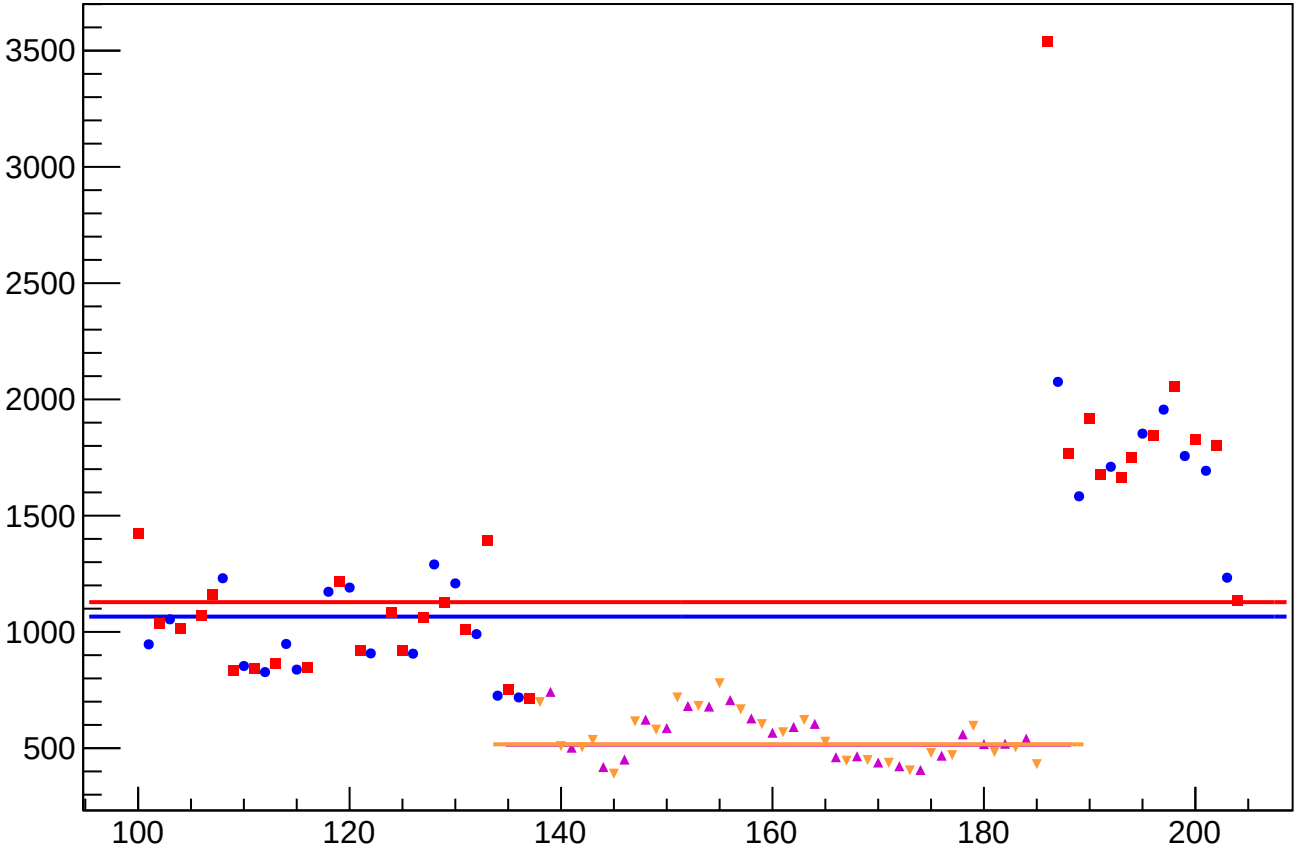
Right: 111.524+/-217.506 χ^2/NDF: 55.1/53

In: 9.129+/-113.923 χ^2/NDF:54.7/46

Out: -404.453+/-111.466 χ^2/NDF:104.4/54

All: -202.170+/-79.673 χ^2/NDF: 165.9/101

asym_sam_12345678_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 1065.838+/-0.219 χ^2/NDF: 2542141.1/23

Left Out: 516.635+/-0.085 χ^2/NDF:1265163.0/24

Right Out: 1127.964+/-0.216 χ^2/NDF: 3209801.3/29

Left In: 514.781+/-0.087 χ^2/NDF:1120434.8/22

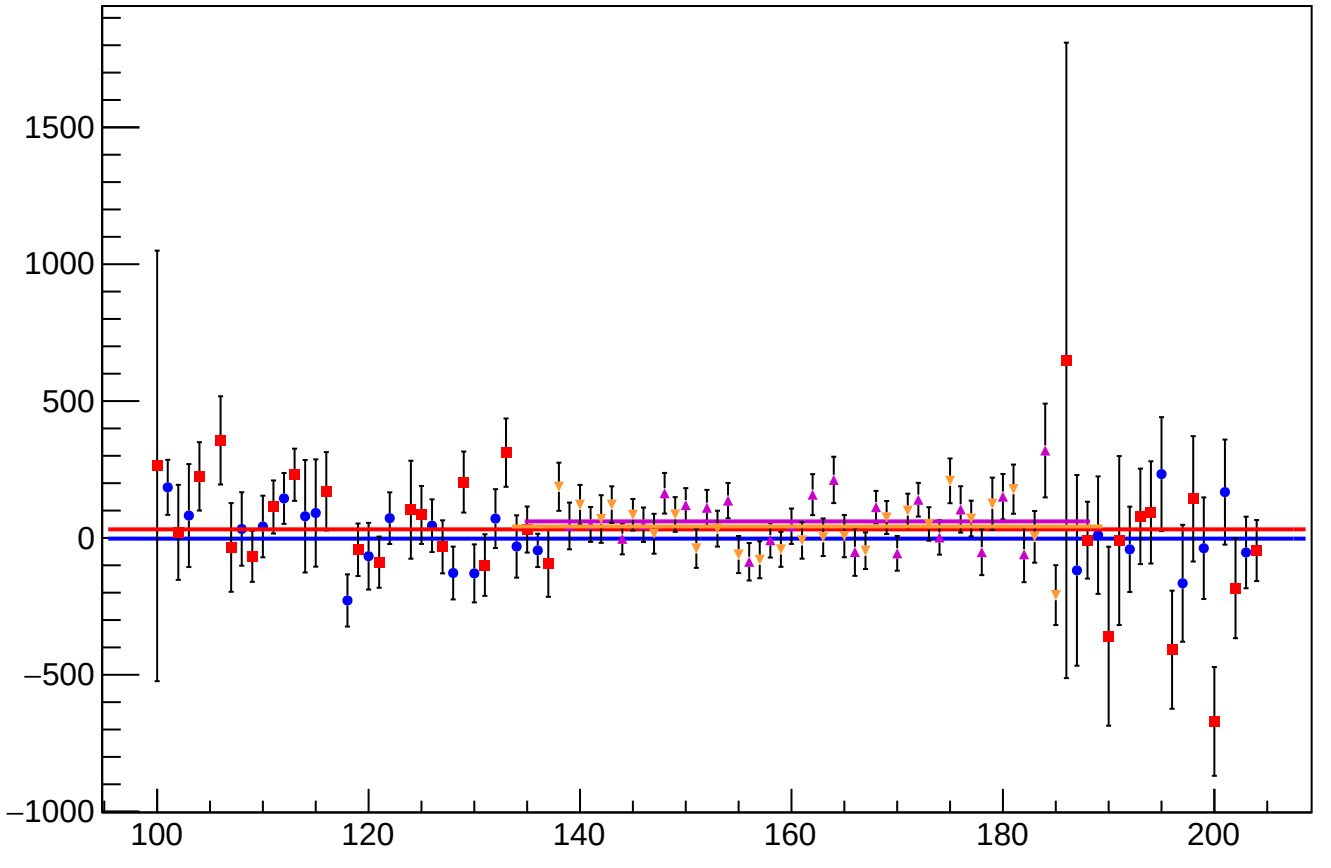
Left: 515.729+/-0.061 χ^2/NDF: 2385832.1/47

Right: 1097.387+/-0.154 χ^2/NDF: 5792723.7/53

In: 589.185+/-0.081 χ^2/NDF:9127777.5/46

Out: 598.167+/-0.079 χ^2/NDF:11428144.8/54

All: 593.774+/-0.056 χ^2/NDF: 20562274.0/10



Right In: -2.614+/-24.353 χ^2/NDF: 20.7/23

Left Out: 42.017+/-14.181 χ^2/NDF:32.0/24

Right Out: 31.344+/-23.934 χ^2/NDF: 47.5/29

Left In: 60.376+/-14.714 χ^2/NDF:32.2/22

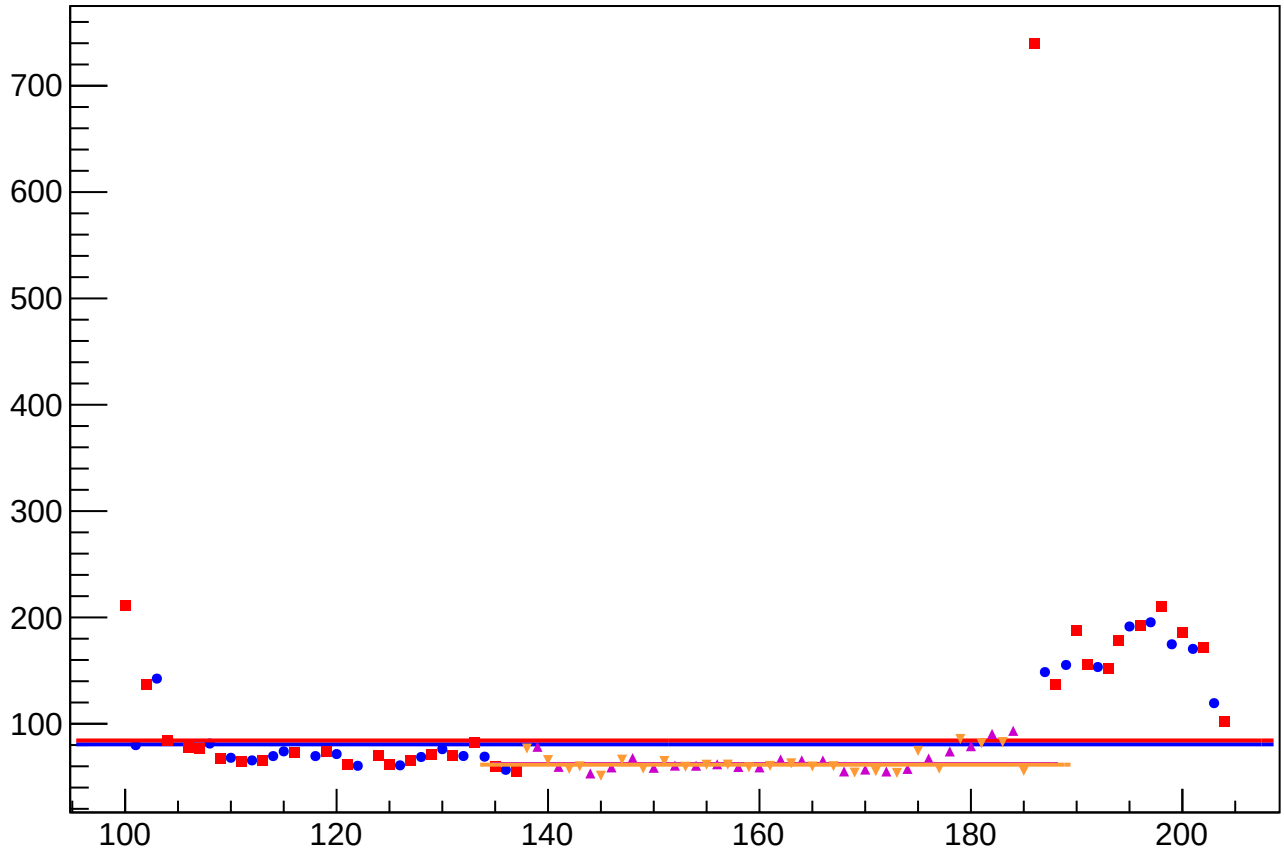
Left: 50.858+/-10.211 χ^2/NDF: 65.0/47

Right: 14.660+/-17.070 χ^2/NDF: 69.2/53

In: 43.531+/-12.594 χ^2/NDF:57.8/46

Out: 39.244+/-12.200 χ^2/NDF:79.7/54

All: 41.320+/-8.763 χ^2/NDF: 137.5/101



Right In: 80.650+/-0.017 χ^2/NDF: 3927497.1/23

Left Out: 61.544+/-0.010 χ^2/NDF:637834.9/24

Right Out: 84.298+/-0.017 χ^2/NDF: 5303289.9/29

Left In: 62.144+/-0.010 χ^2/NDF:596754.9/22

Left: 61.833+/-0.007 χ^2/NDF: 1236316.3/47

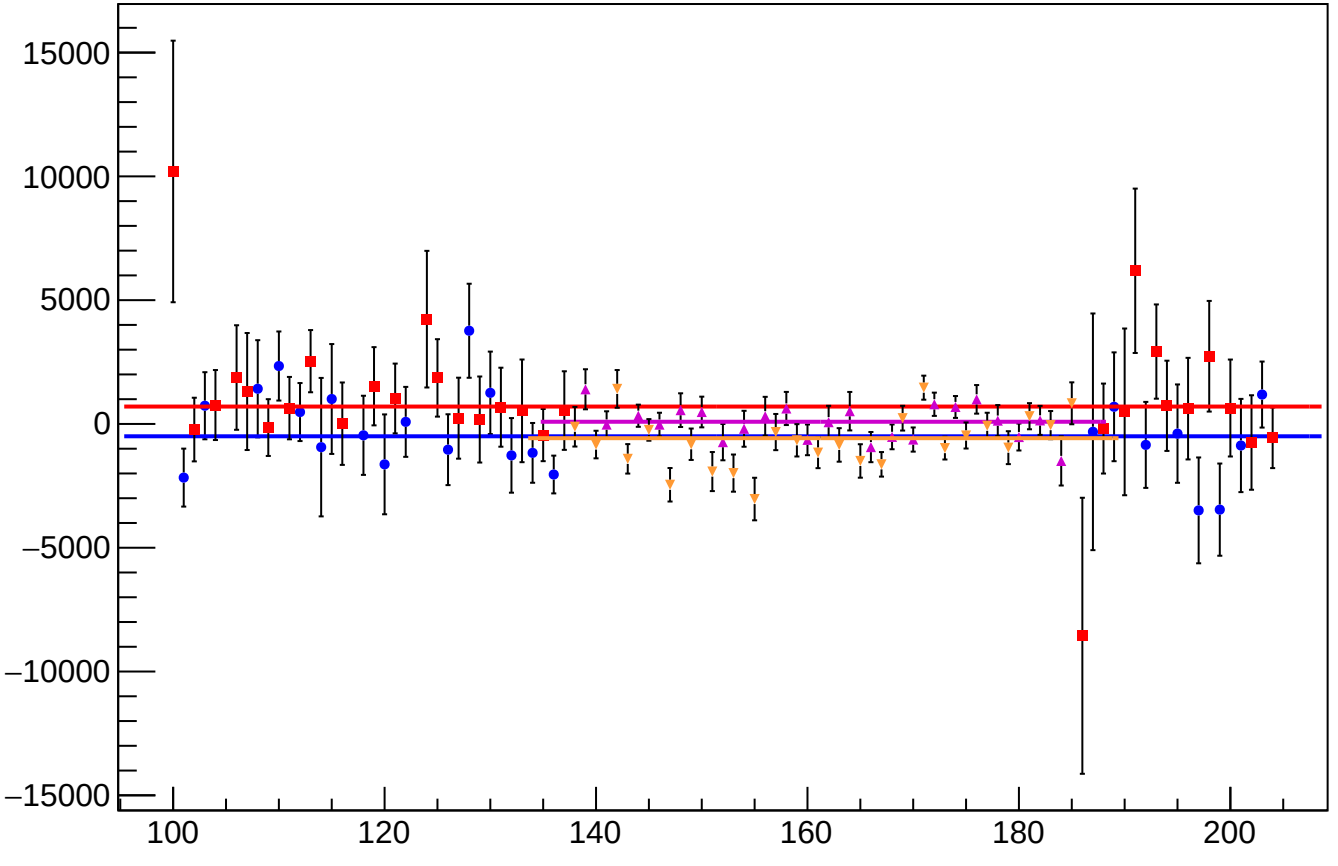
Right: 82.506+/-0.012 χ^2/NDF: 9253616.1/53

In: 67.093+/-0.009 χ^2/NDF:5370262.4/46

Out: 67.457+/-0.009 χ^2/NDF:7279066.2/54

All: 67.281+/-0.006 χ^2/NDF: 12650187.6/101

asym_sam_12345678_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -498.273+/-310.035 χ^2/NDF: 27.0/23

Left Out: -574.811+/-119.736 χ^2/NDF:68.8/24

Right Out: 702.532+/-305.221 χ^2/NDF: 20.4/29

Left In: 88.333+/-122.492 χ^2/NDF:24.6/22

Left: -250.783+/-85.624 χ^2/NDF: 108.4/47

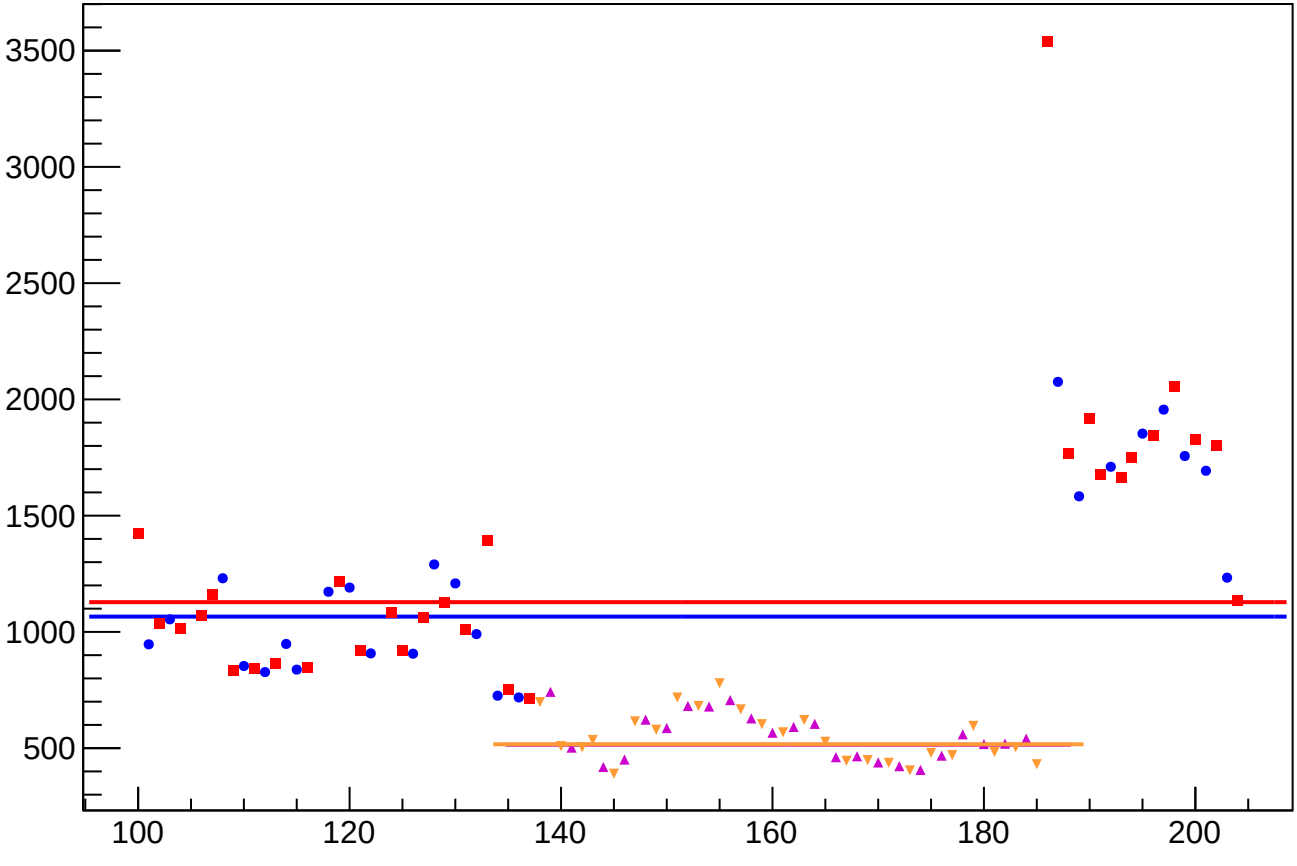
Right: 111.524+/-217.506 χ^2/NDF: 55.1/53

In: 9.129+/-113.923 χ^2/NDF:54.7/46

Out: -404.453+/-111.466 χ^2/NDF:104.4/54

All: -202.170+/-79.673 χ^2/NDF: 165.9/101

asym_sam_12345678_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1065.838+/-0.219 χ^2/NDF: 2542141.1/23

Left Out: 516.635+/-0.085 χ^2/NDF:1265163.0/24

Right Out: 1127.964+/-0.216 χ^2/NDF: 3209801.3/29

Left In: 514.781+/-0.087 χ^2/NDF:1120434.8/22

Left: 515.729+/-0.061 χ^2/NDF: 2385832.1/47

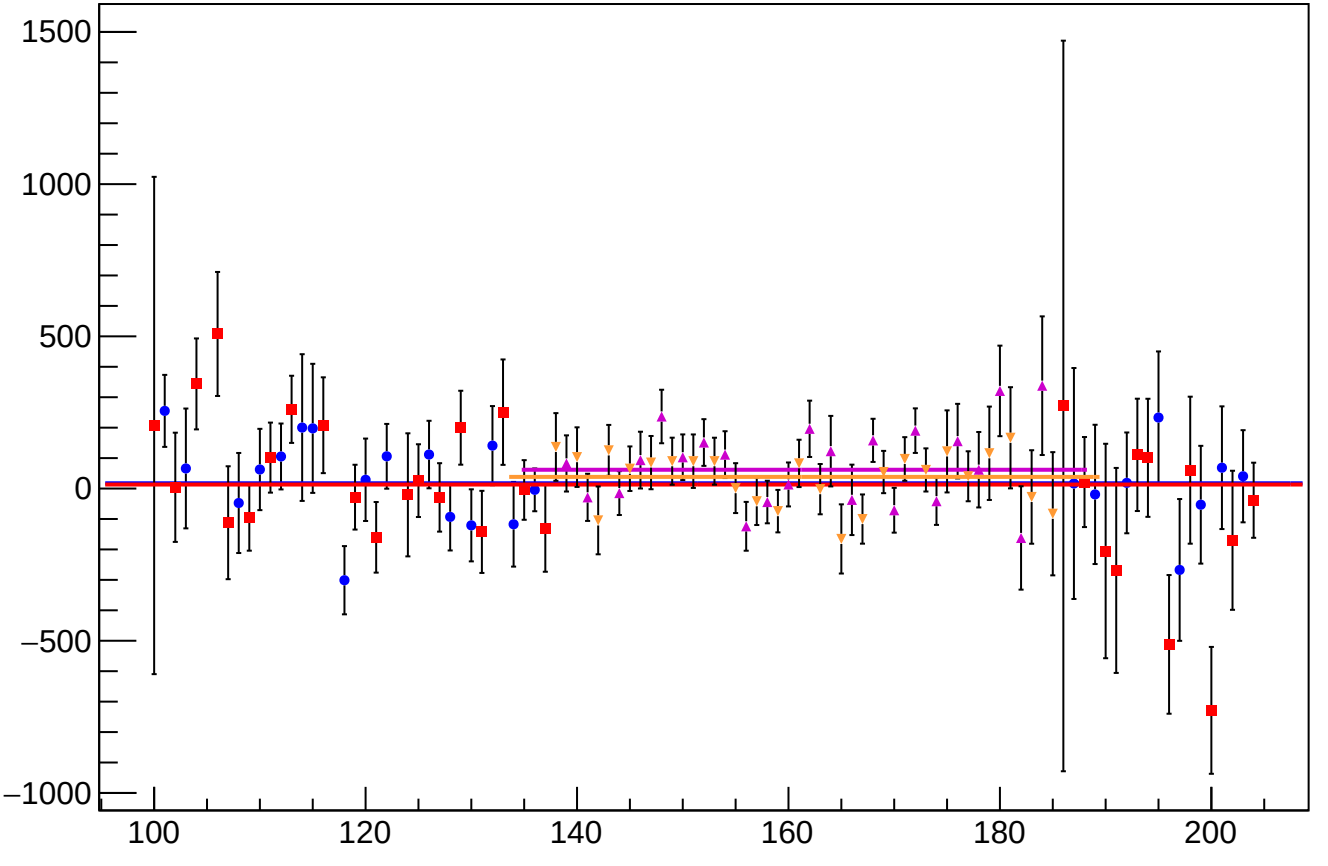
Right: 1097.387+/-0.154 χ^2/NDF: 5792723.7/53

In: 589.185+/-0.081 χ^2/NDF:9127777.5/46

Out: 598.167+/-0.079 χ^2/NDF:11428144.8/54

All: 593.774+/-0.056 χ^2/NDF: 20562274.0/10

dit_asym_sam_12345678_avg_mean vs Slug, Sign Corrected



Right In: 17.307+/-27.918 χ^2/NDF: 22.9/23

Left Out: 38.281+/-17.669 χ^2/NDF:18.8/24

Right Out: 13.173+/-27.482 χ^2/NDF: 49.1/29

Left In: 61.723+/-18.192 χ^2/NDF:36.7/22

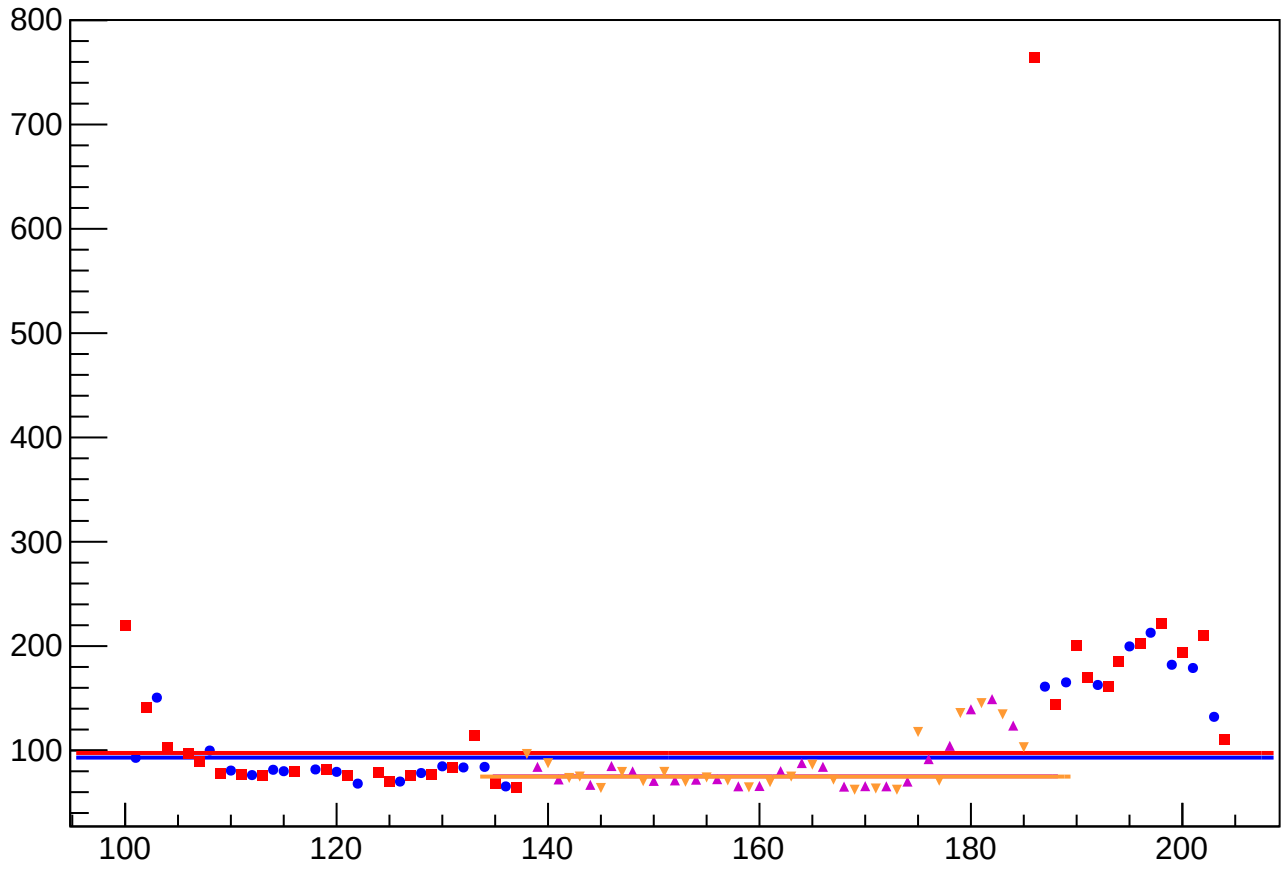
Left: 49.661+/-12.675 χ^2/NDF: 56.4/47

Right: 15.208+/-19.585 χ^2/NDF: 72.0/53

In: 48.485+/-15.241 χ^2/NDF:61.4/46

Out: 30.938+/-14.863 χ^2/NDF:68.5/54

All: 39.491+/-10.641 χ^2/NDF: 130.6/101



Right In: 93.124+/-0.020 χ^2/NDF: 3407961.9/23

Left Out: 74.903+/-0.012 χ^2/NDF:1661552.1/24

Right Out: 97.558+/-0.019 χ^2/NDF: 4711843.3/29

Left In: 75.156+/-0.013 χ^2/NDF:1312543.0/22

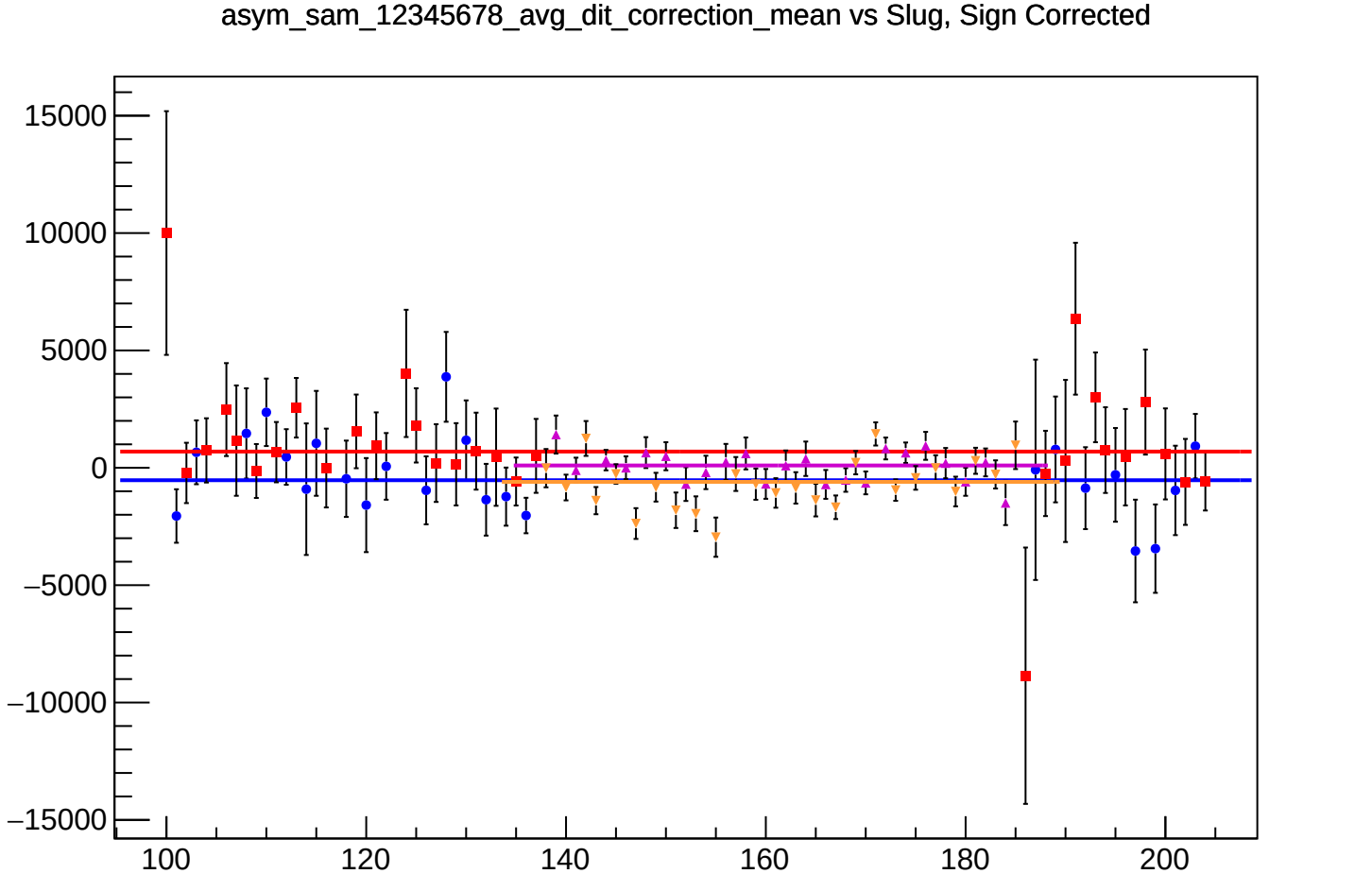
Left: 75.025+/-0.009 χ^2/NDF: 2974293.9/47

Right: 95.376+/-0.014 χ^2/NDF: 8145420.1/53

In: 80.511+/-0.011 χ^2/NDF:5302085.3/46

Out: 81.529+/-0.011 χ^2/NDF:7335024.9/54

All: 81.033+/-0.008 χ^2/NDF: 12641681.8/101



Right In: -529.031+/-311.906 χ^2/NDF: 26.2/23

Left Out: -598.826+/-119.324 χ^2/NDF:65.0/24

Right Out: 691.590+/-304.636 χ^2/NDF: 21.8/29

Left In: 99.102+/-122.310 χ^2/NDF:23.7/22

Left: -258.487+/-85.411 χ^2/NDF: 105.4/47

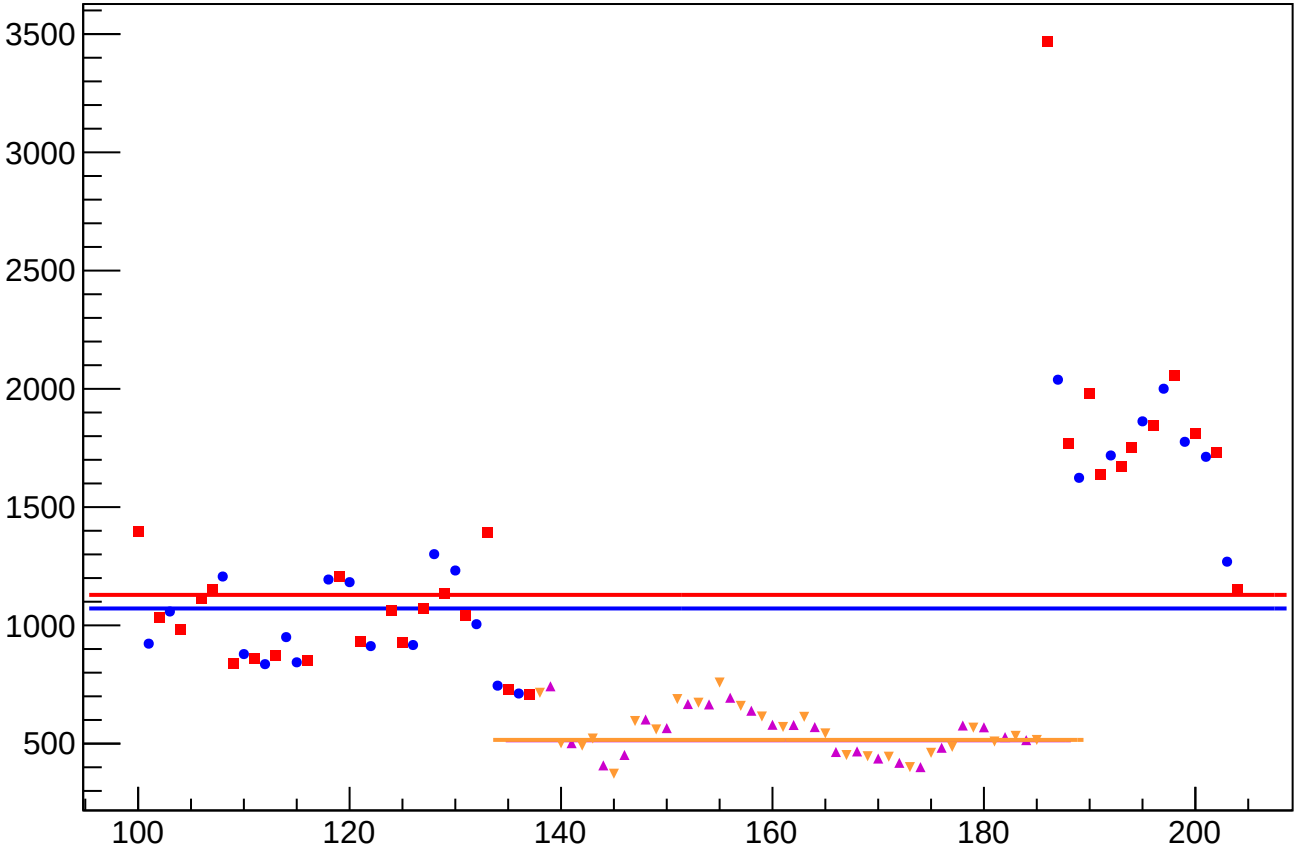
Right: 95.670+/-217.935 χ^2/NDF: 55.8/53

In: 15.386+/-113.868 χ^2/NDF:53.4/46

Out: -427.181+/-111.105 χ^2/NDF:102.4/54

All: -211.334+/-79.522 χ^2/NDF: 163.5/101

asym_sam_12345678_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 1071.441+/-0.221 χ^2/NDF: 2595458.5/23

Left Out: 515.762+/-0.084 χ^2/NDF:1232478.6/24

Right Out: 1128.872+/-0.215 χ^2/NDF: 3192913.1/29

Left In: 514.088+/-0.086 χ^2/NDF:1116884.3/22

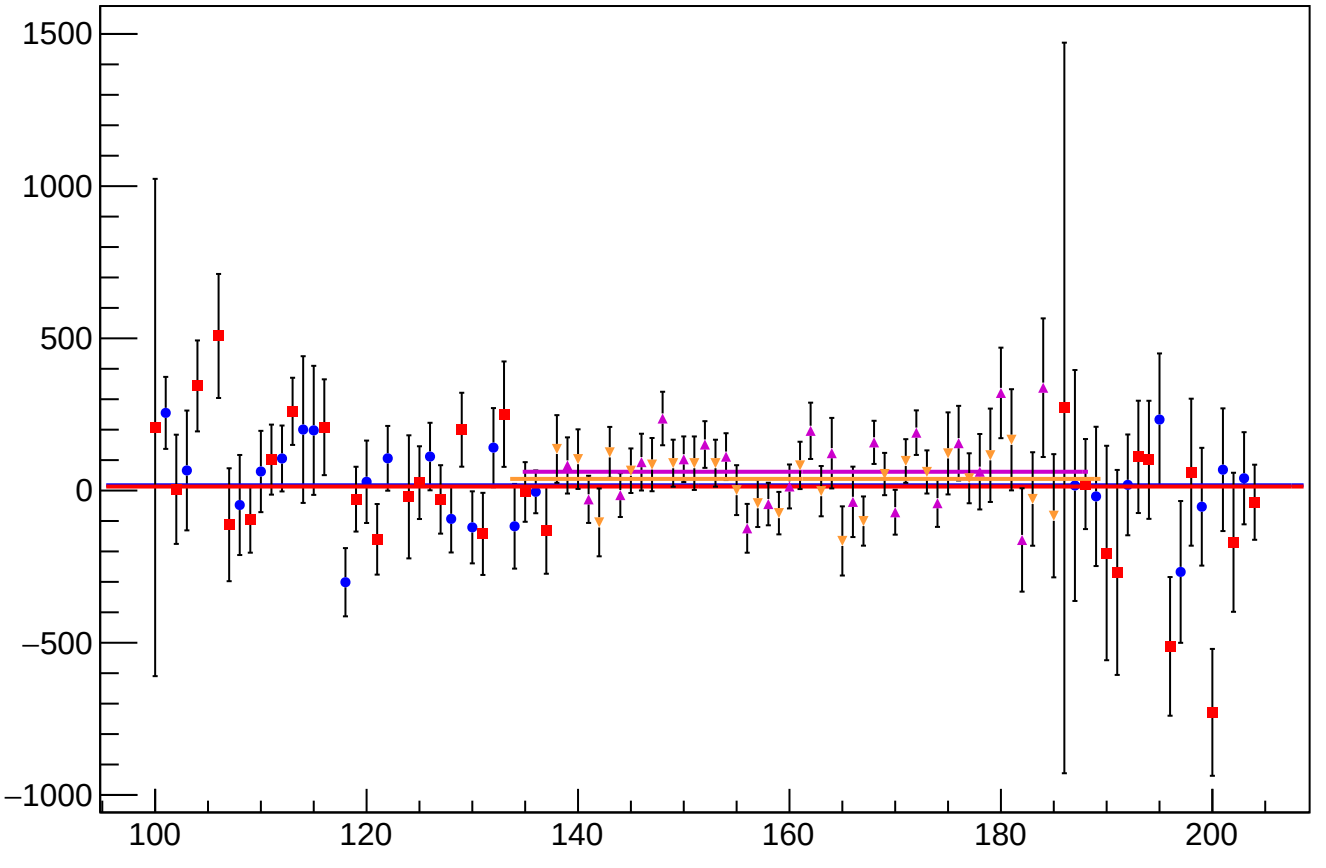
Left: 514.945+/-0.060 χ^2/NDF: 2349554.8/47

Right: 1100.833+/-0.154 χ^2/NDF: 5823074.6/53

In: 588.371+/-0.081 χ^2/NDF:9247403.0/46

Out: 597.315+/-0.079 χ^2/NDF:11448911.0/54

All: 592.953+/-0.056 χ^2/NDF: 20702635.2/10



Right In: 17.307+/-27.918 χ^2/NDF: 22.9/23

Left Out: 38.282+/-17.670 χ^2/NDF:18.8/24

Right Out: 13.172+/-27.482 χ^2/NDF: 49.1/29

Left In: 61.723+/-18.192 χ^2/NDF:36.7/22

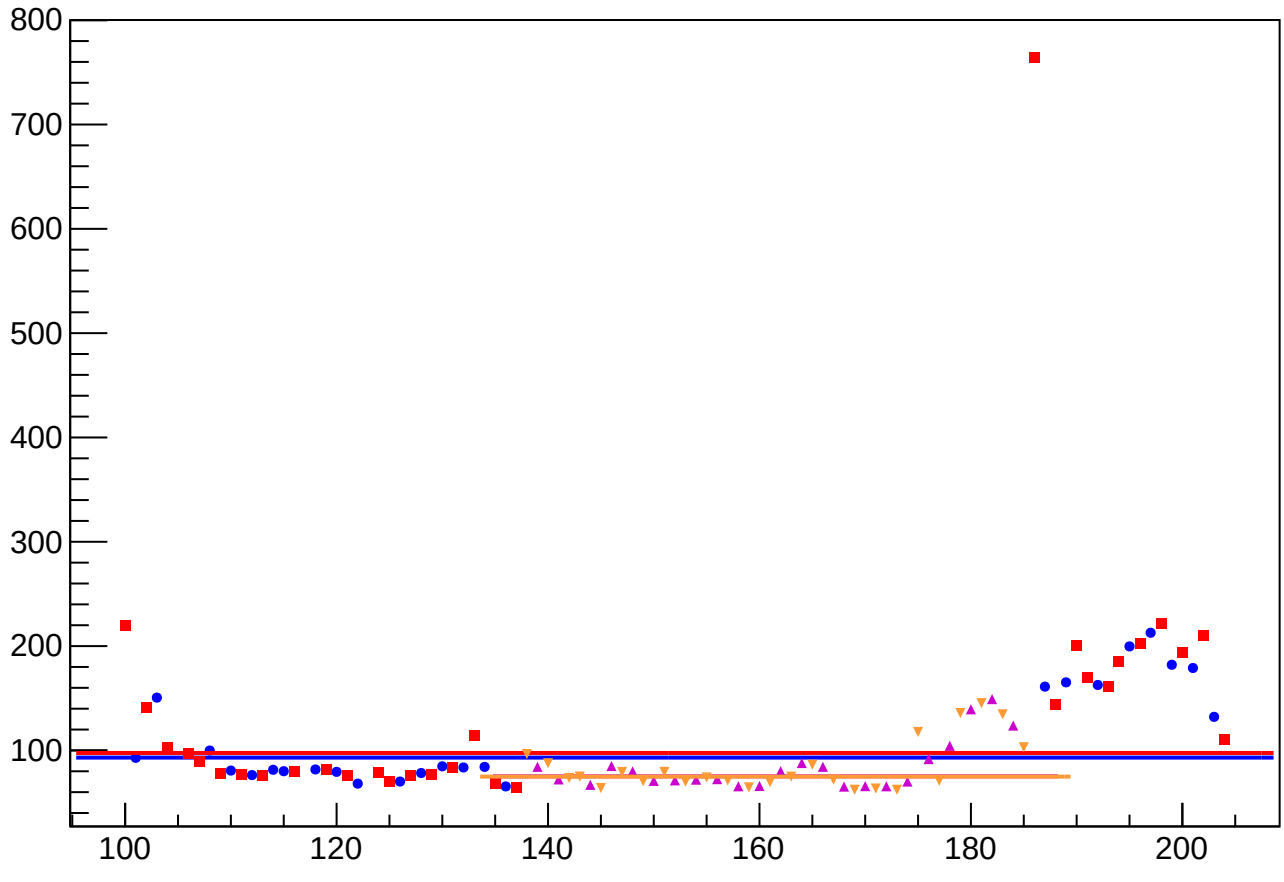
Left: 49.661+/-12.675 χ^2/NDF: 56.4/47

Right: 15.207+/-19.585 χ^2/NDF: 72.0/53

In: 48.485+/-15.241 χ^2/NDF:61.4/46

Out: 30.937+/-14.863 χ^2/NDF:68.5/54

All: 39.490+/-10.641 χ^2/NDF: 130.6/101



Right In: 93.124+/-0.020 χ^2/NDF: 3407970.7/23

Left Out: 74.903+/-0.012 χ^2/NDF:1661550.3/24

Right Out: 97.557+/-0.019 χ^2/NDF: 4711871.5/29

Left In: 75.156+/-0.013 χ^2/NDF:1312527.7/22

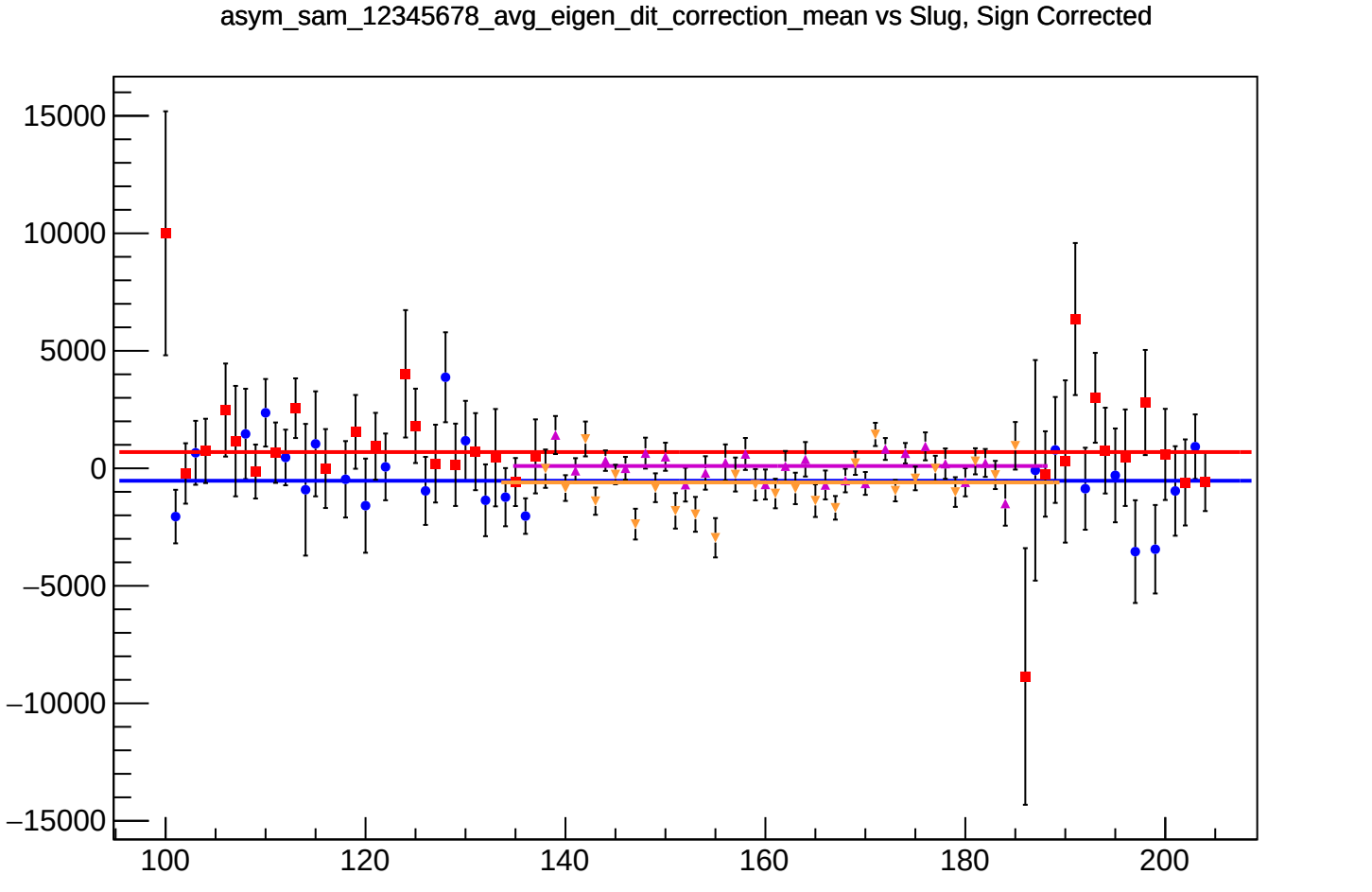
Left: 75.026+/-0.009 χ^2/NDF: 2974276.9/47

Right: 95.376+/-0.014 χ^2/NDF: 8145457.9/53

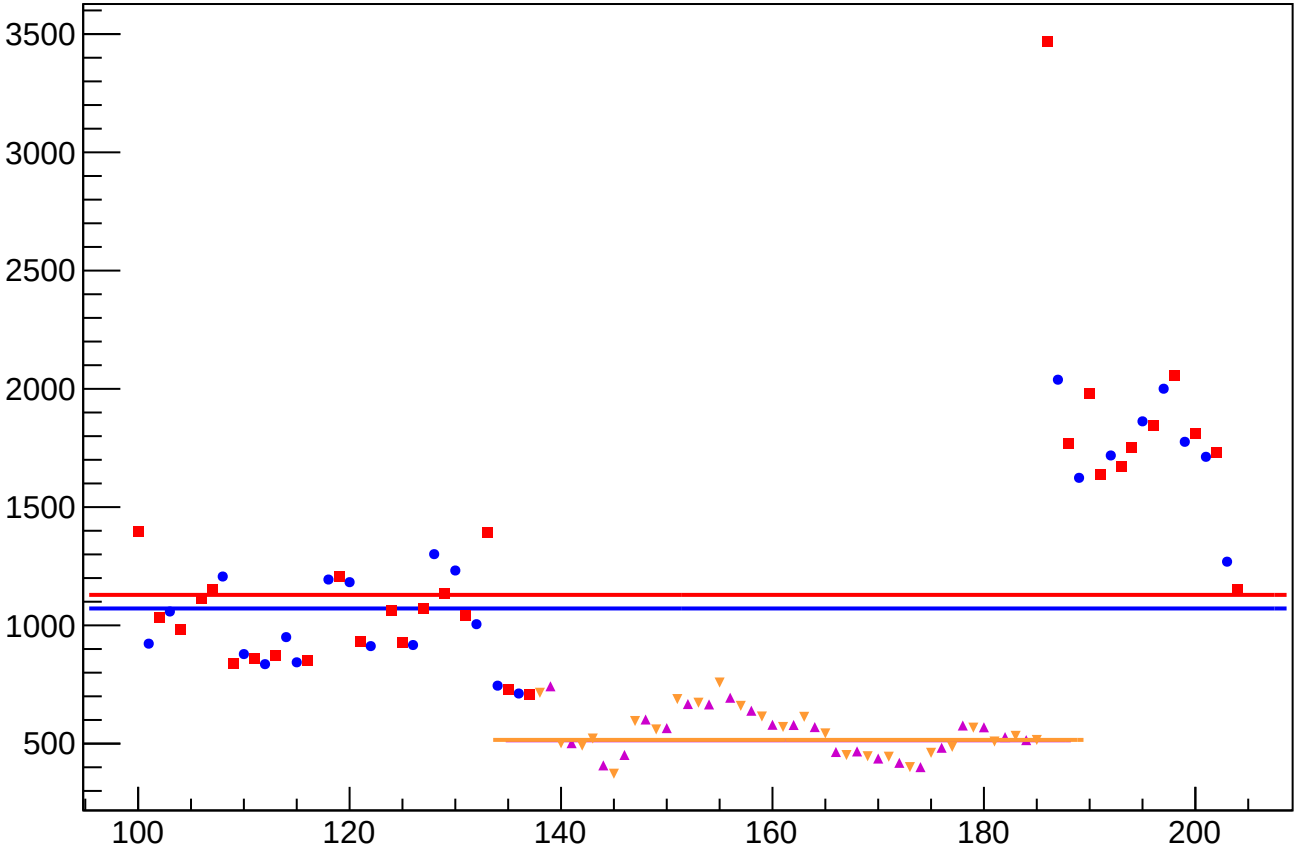
In: 80.511+/-0.011 χ^2/NDF:5302046.3/46

Out: 81.529+/-0.011 χ^2/NDF:7335015.5/54

All: 81.033+/-0.008 χ^2/NDF: 12641633.4/101


asym_sam_12345678_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
100
120
140
160
180
200
Right In: -529.028+/-311.906 χ²/NDF: 26.2/23
Left Out: -598.825+/-119.324 χ²/NDF:65.0/24
Right Out: 691.590+/-304.636 χ²/NDF: 21.8/29
Left In: 99.101+/-122.310 χ²/NDF:23.7/22
Left: -258.487+/-85.411 χ²/NDF: 105.4/47
Right: 95.672+/-217.935 χ²/NDF: 55.8/53
In: 15.386+/-113.868 χ²/NDF:53.4/46
Out: -427.180+/-111.105 χ²/NDF:102.4/54
All: -211.333+/-79.522 χ²/NDF: 163.5/101

asym_sam_12345678_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1071.439+/-0.221 χ^2/NDF: 2595464.6/23

Left Out: 515.761+/-0.084 χ^2/NDF:1232481.1/24

Right Out: 1128.869+/-0.215 χ^2/NDF: 3192922.2/29

Left In: 514.087+/-0.086 χ^2/NDF:1116882.7/22

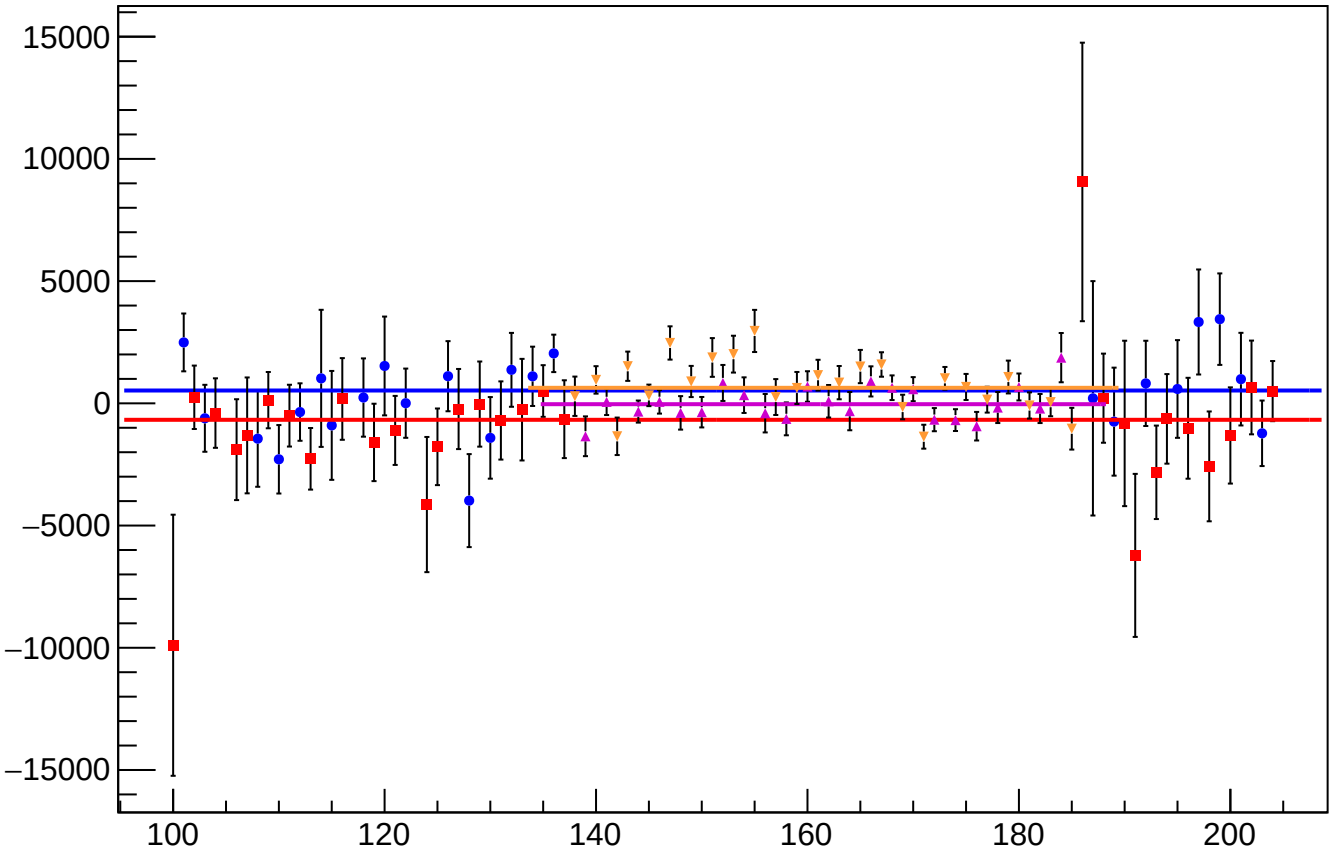
Left: 514.944+/-0.060 χ^2/NDF: 2349555.7/47

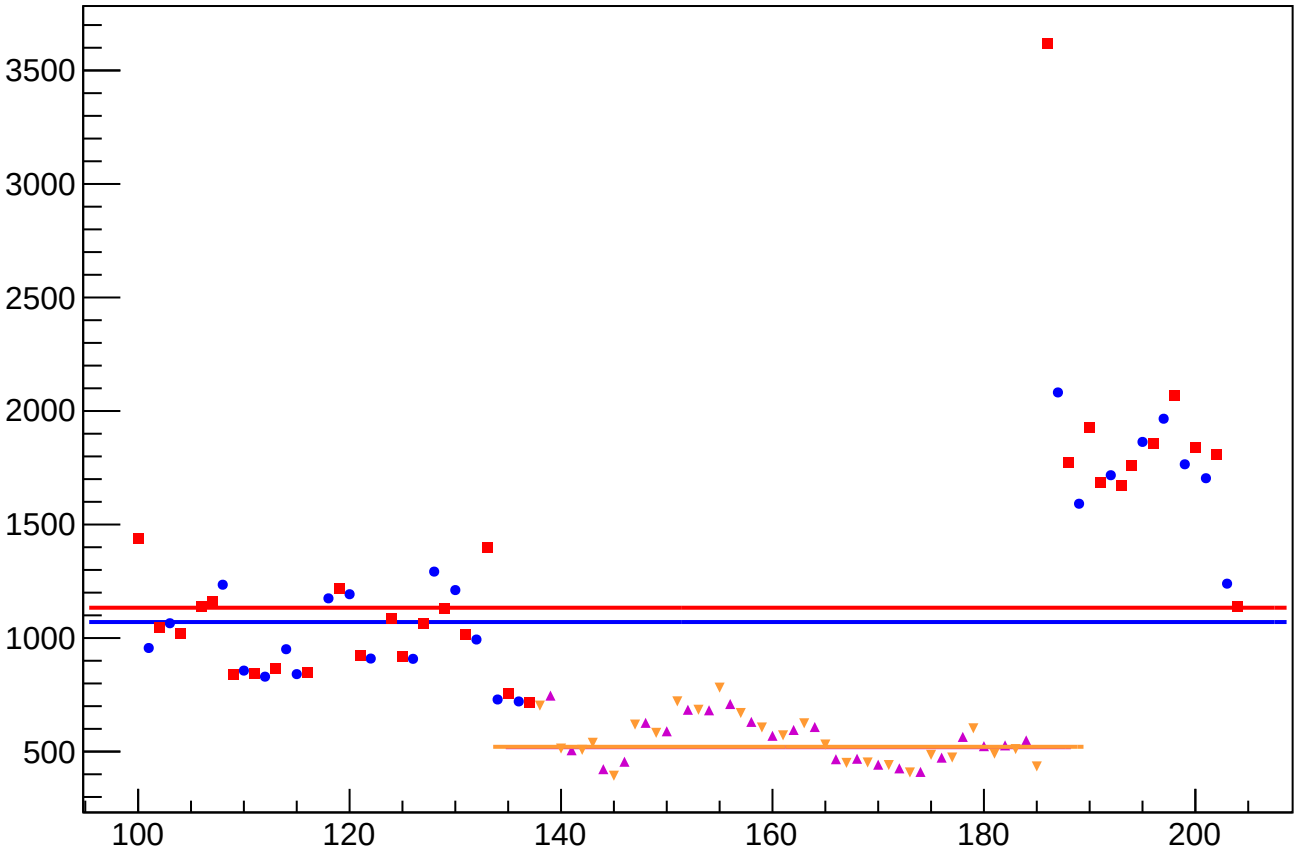
Right: 1100.831+/-0.154 χ^2/NDF: 5823089.6/53

In: 588.370+/-0.081 χ^2/NDF:9247401.7/46

Out: 597.314+/-0.079 χ^2/NDF:11448916.1/54

All: 592.951+/-0.056 χ^2/NDF: 20702638.8/10


asym_sam_12345678_avg_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
100
120
140
160
180
200
Right In: 524.976+/-311.422 χ²/NDF: 27.8/23
Left Out: 634.783+/-120.717 χ²/NDF:64.5/24
Right Out: -673.807+/-306.265 χ²/NDF: 19.7/29
Left In: -34.808+/-123.517 χ²/NDF:25.1/22
Left: 307.664+/-86.333 χ²/NDF: 104.6/47
Right: -84.423+/-218.363 χ²/NDF: 55.0/53
In: 41.282+/-114.816 χ²/NDF:55.7/46
Out: 458.818+/-112.308 χ²/NDF:100.0/54
All: 254.661+/-80.286 χ²/NDF: 162.5/101



Right In: 1070.519+/-0.220 χ^2/NDF: 2546209.8/23

Left Out: 521.025+/-0.085 χ^2/NDF:1243003.9/24

Right Out: 1133.588+/-0.217 χ^2/NDF: 3223424.8/29

Left In: 519.239+/-0.087 χ^2/NDF:1100553.3/22

Left: 520.153+/-0.061 χ^2/NDF: 2343771.0/47

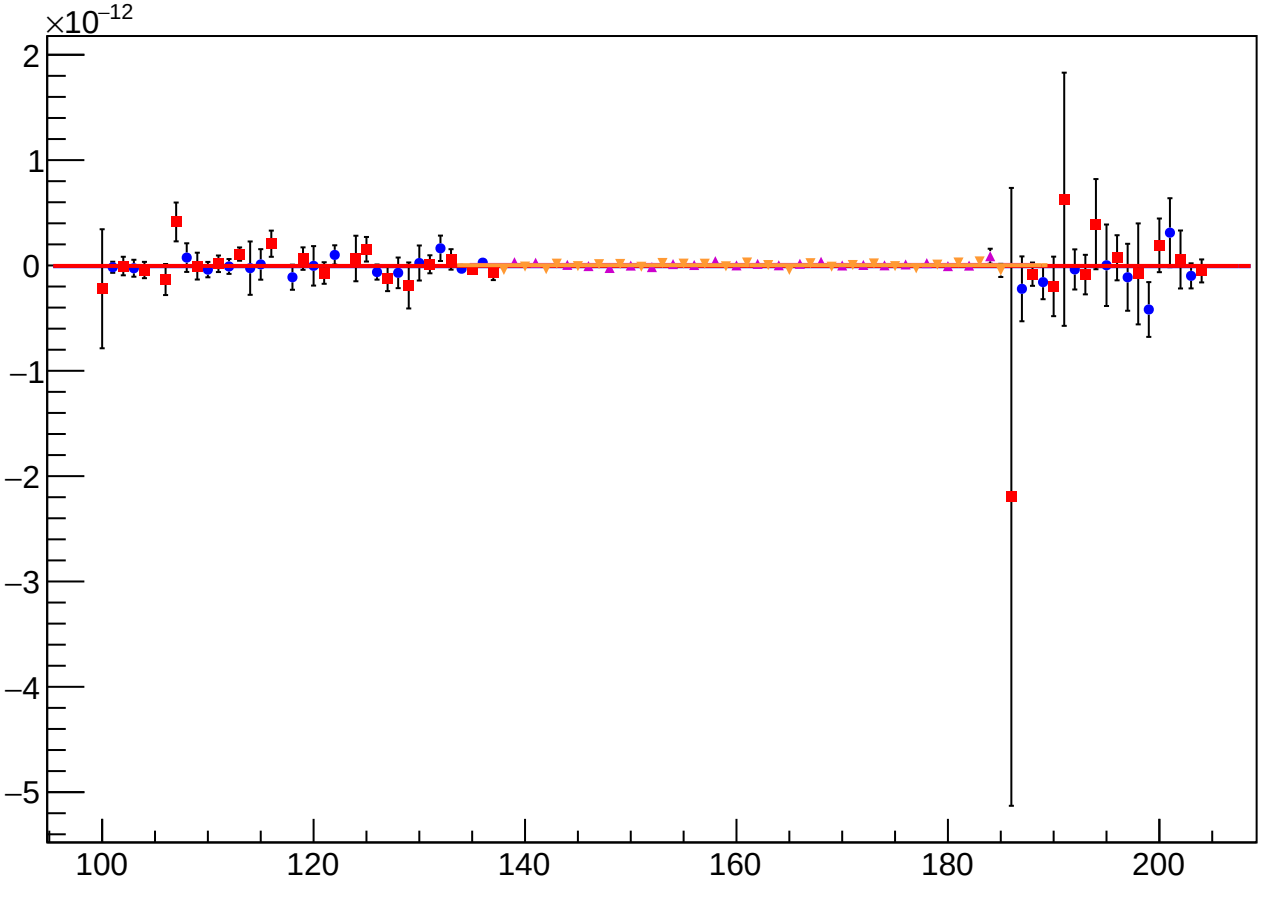
Right: 1102.580+/-0.154 χ^2/NDF: 5811334.2/53

In: 594.173+/-0.081 χ^2/NDF:9062095.7/46

Out: 603.396+/-0.079 χ^2/NDF:11391414.1/54

All: 598.887+/-0.057 χ^2/NDF: 20460104.2/10

asym_sam_12345678_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 12.7/23

Left Out: 0.000+/-0.000 χ^2/NDF:22.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 23.3/29

Left In: 0.000+/-0.000 χ^2/NDF:10.8/22

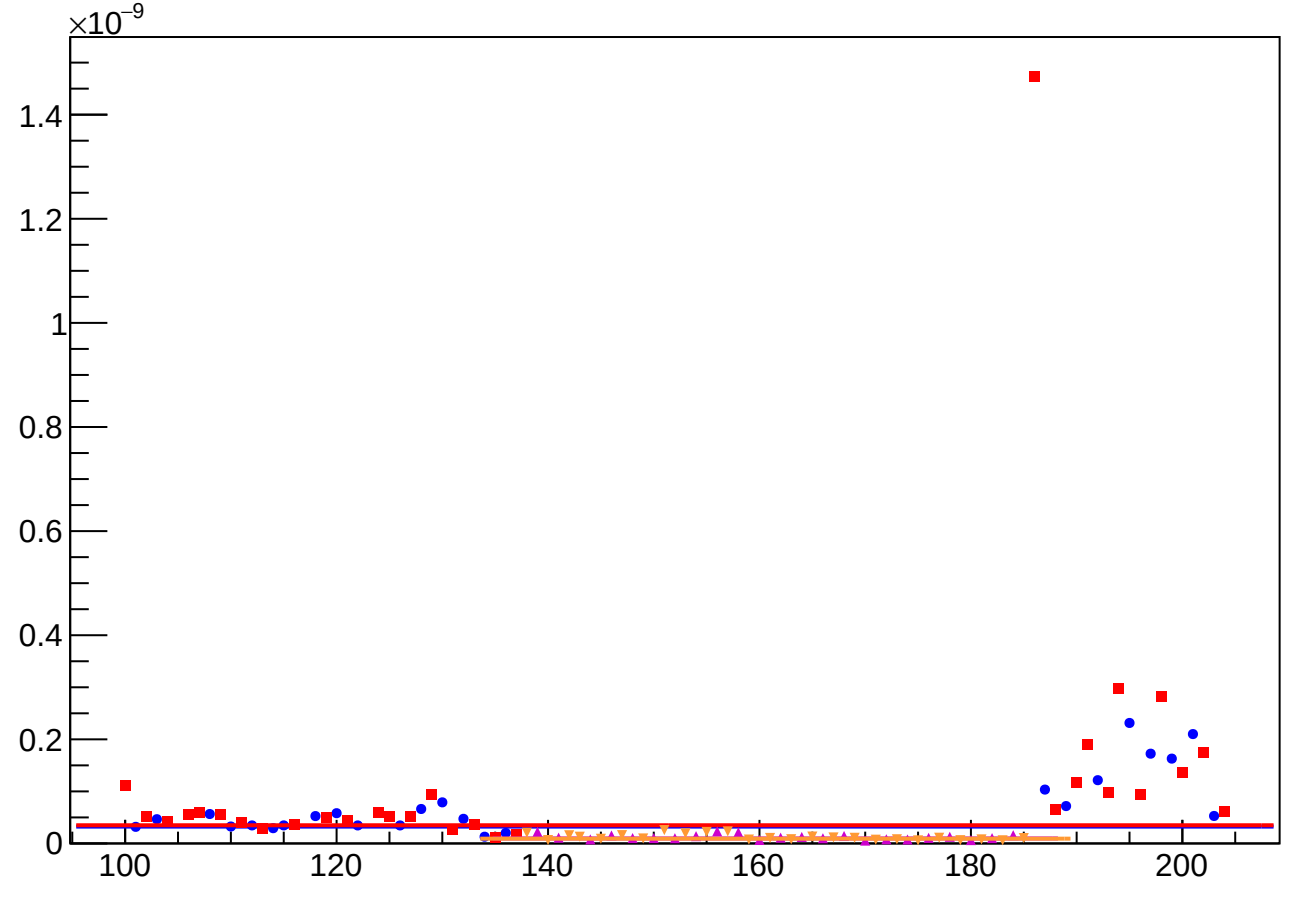
Left: 0.000+/-0.000 χ^2/NDF: 33.4/47

Right: -0.000+/-0.000 χ^2/NDF: 36.0/53

In: 0.000+/-0.000 χ^2/NDF:23.9/46

Out: 0.000+/-0.000 χ^2/NDF:45.8/54

All: 0.000+/-0.000 χ^2/NDF: 69.9/101



Right In: 0.000+/-0.000 χ^2/NDF: 3983421.0/23

Left Out: 0.000+/-0.000 χ^2/NDF:2137290.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5280453.9/29

Left In: 0.000+/-0.000 χ^2/NDF:1614718.4/22

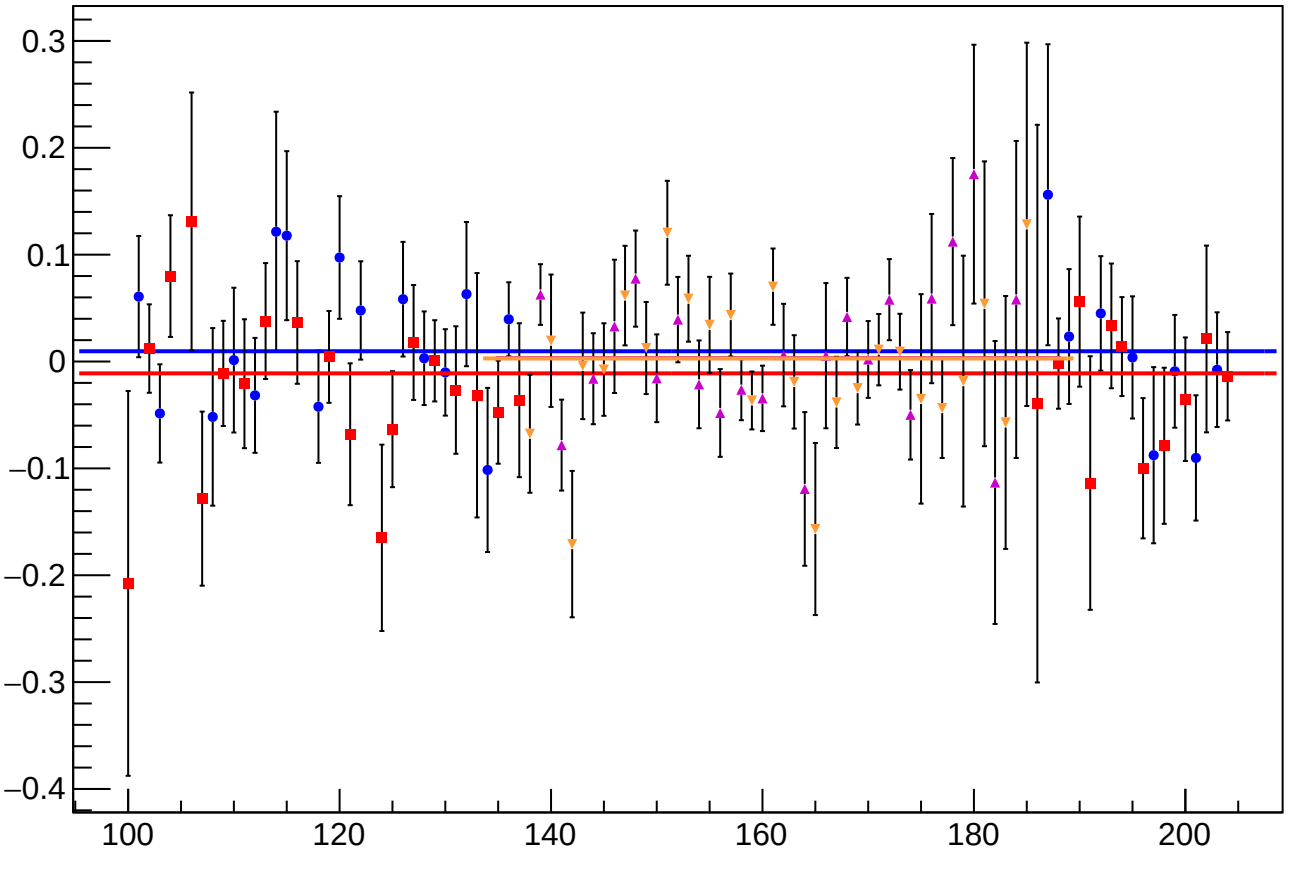
Left: 0.000+/-0.000 χ^2/NDF: 3761199.7/47

Right: 0.000+/-0.000 χ^2/NDF: 9284452.4/53

In: 0.000+/-0.000 χ^2/NDF:8923248.9/46

Out: 0.000+/-0.000 χ^2/NDF:11180046.7/54

All: 0.000+/-0.000 χ^2/NDF: 20120115.7/101



Right In: 0.010+/-0.011 χ^2/NDF: 21.1/23

Left Out: 0.003+/-0.009 χ^2/NDF:32.9/24

Right Out: -0.011+/-0.011 χ^2/NDF: 20.5/29

Left In: 0.003+/-0.009 χ^2/NDF:29.8/22

Left: 0.003+/-0.007 χ^2/NDF: 62.7/47

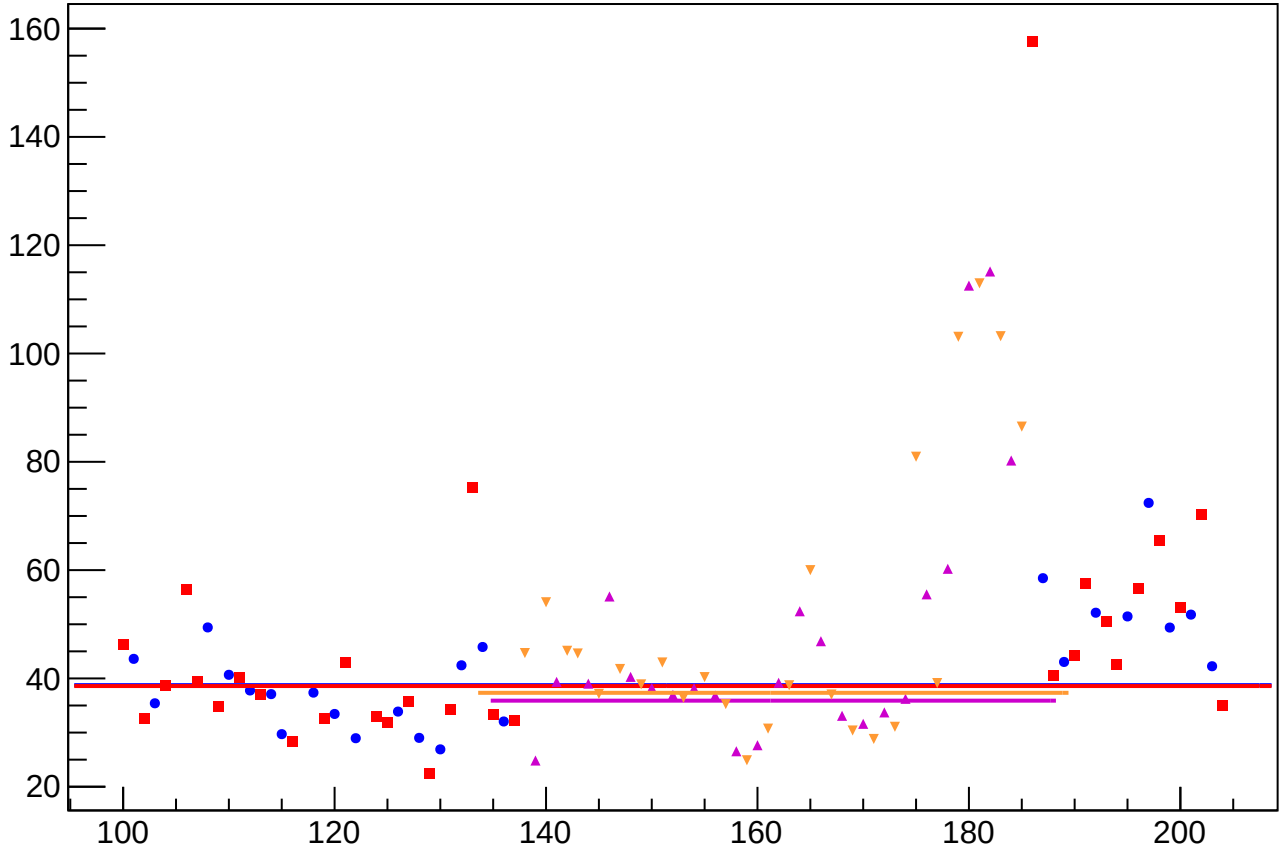
Right: -0.001+/-0.008 χ^2/NDF: 43.4/53

In: 0.006+/-0.007 χ^2/NDF:51.1/46

Out: -0.003+/-0.007 χ^2/NDF:54.4/54

All: 0.001+/-0.005 χ^2/NDF: 106.2/101

asym_sam_12345678_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 38.758+/-0.008 χ^2/NDF: 1374968.1/23

Left Out: 37.344+/-0.007 χ^2/NDF:3696647.0/24

Right Out: 38.592+/-0.008 χ^2/NDF: 2283552.7/29

Left In: 35.896+/-0.006 χ^2/NDF:3138291.6/22

Left: 36.612+/-0.005 χ^2/NDF: 6859658.6/47

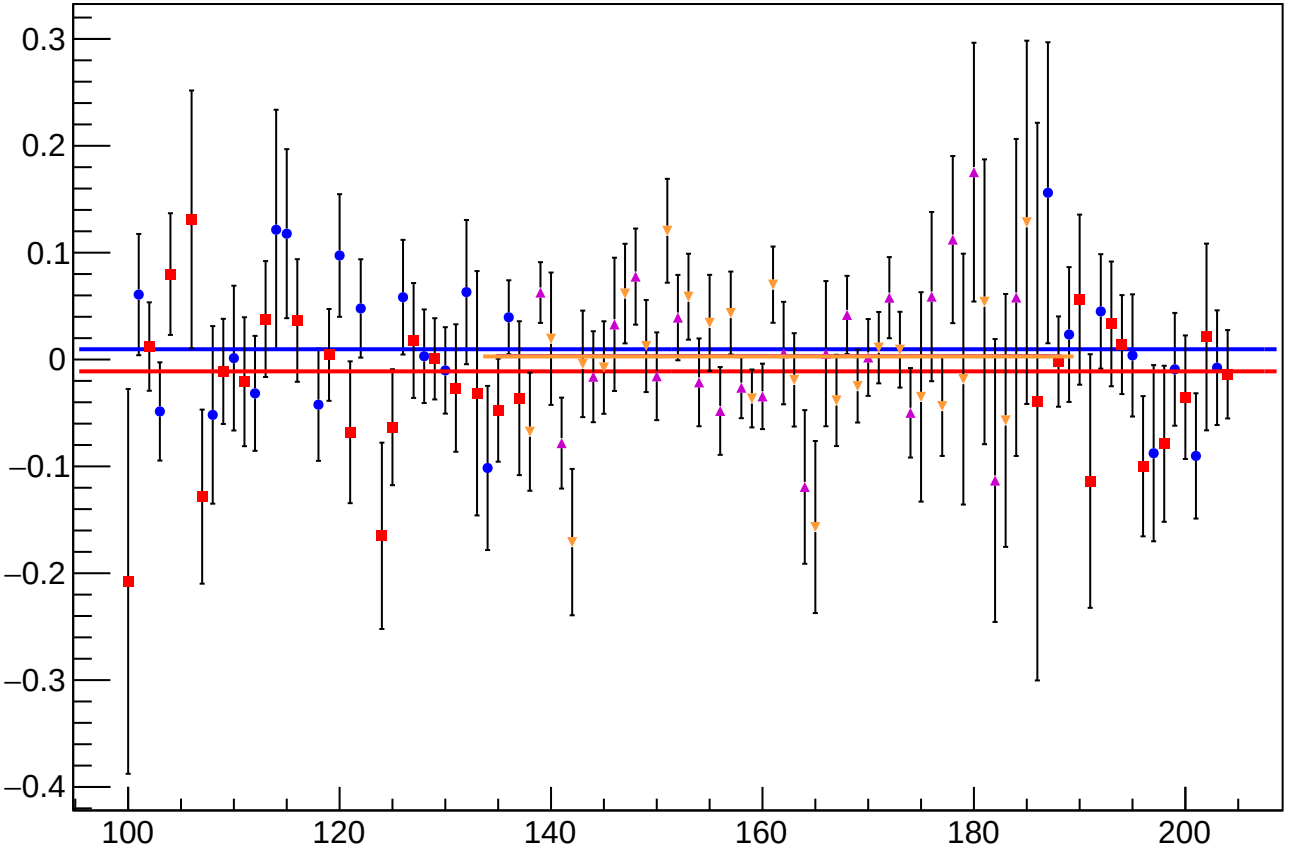
Right: 38.670+/-0.006 χ^2/NDF: 3658745.8/53

In: 37.017+/-0.005 χ^2/NDF:4589749.9/46

Out: 37.878+/-0.005 χ^2/NDF:5995764.5/54

All: 37.456+/-0.004 χ^2/NDF: 10600346.1/101

asym_sam_12345678_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.010+/-0.011 χ^2/NDF: 21.1/23

Left Out: 0.003+/-0.009 χ^2/NDF:32.9/24

Right Out: -0.011+/-0.011 χ^2/NDF: 20.5/29

Left In: 0.003+/-0.009 χ^2/NDF:29.8/22

Left: 0.003+/-0.007 χ^2/NDF: 62.7/47

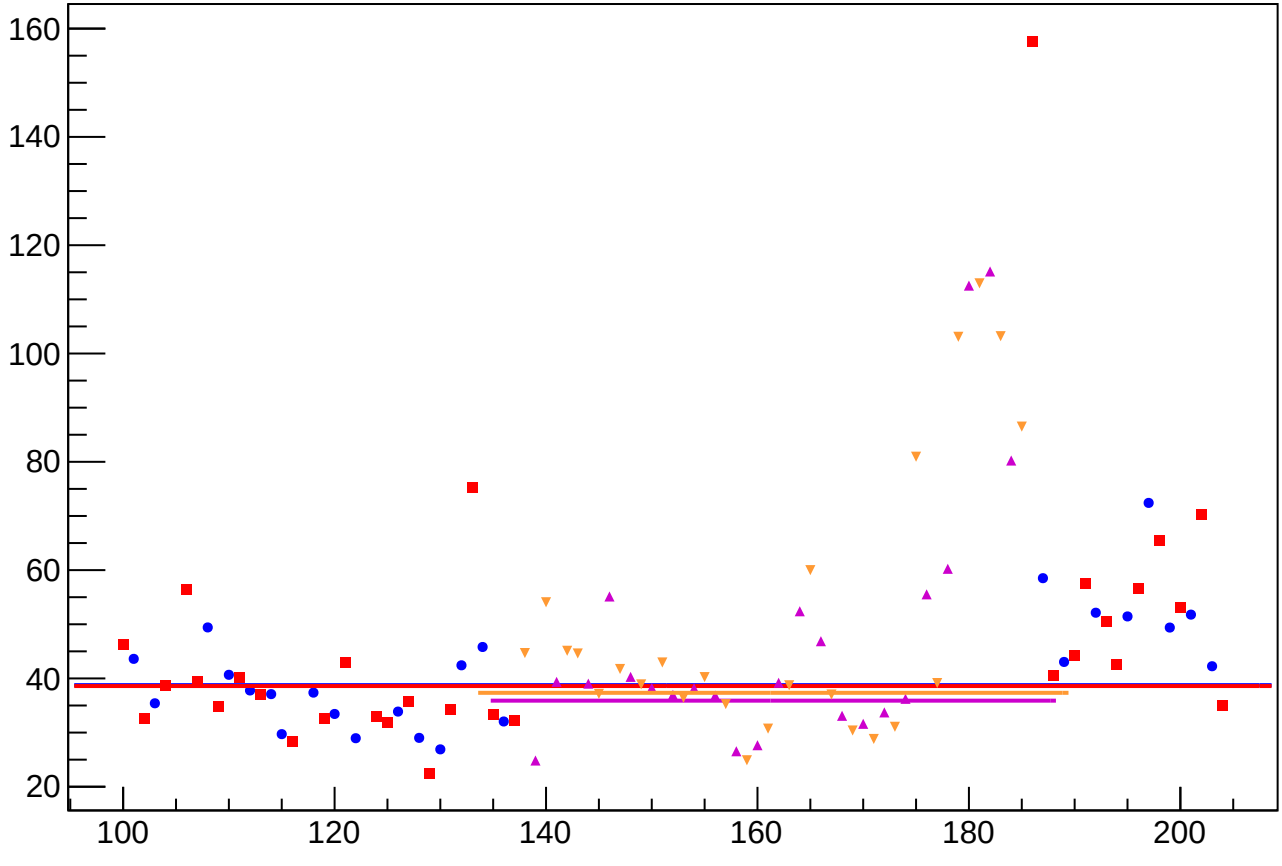
Right: -0.001+/-0.008 χ^2/NDF: 43.4/53

In: 0.006+/-0.007 χ^2/NDF:51.1/46

Out: -0.003+/-0.007 χ^2/NDF:54.4/54

All: 0.001+/-0.005 χ^2/NDF: 106.2/101

asym_sam_12345678_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 38.758+/-0.008 χ^2/NDF: 1374968.1/23

Left Out: 37.344+/-0.007 χ^2/NDF:3696647.0/24

Right Out: 38.592+/-0.008 χ^2/NDF: 2283552.7/29

Left In: 35.896+/-0.006 χ^2/NDF:3138291.6/22

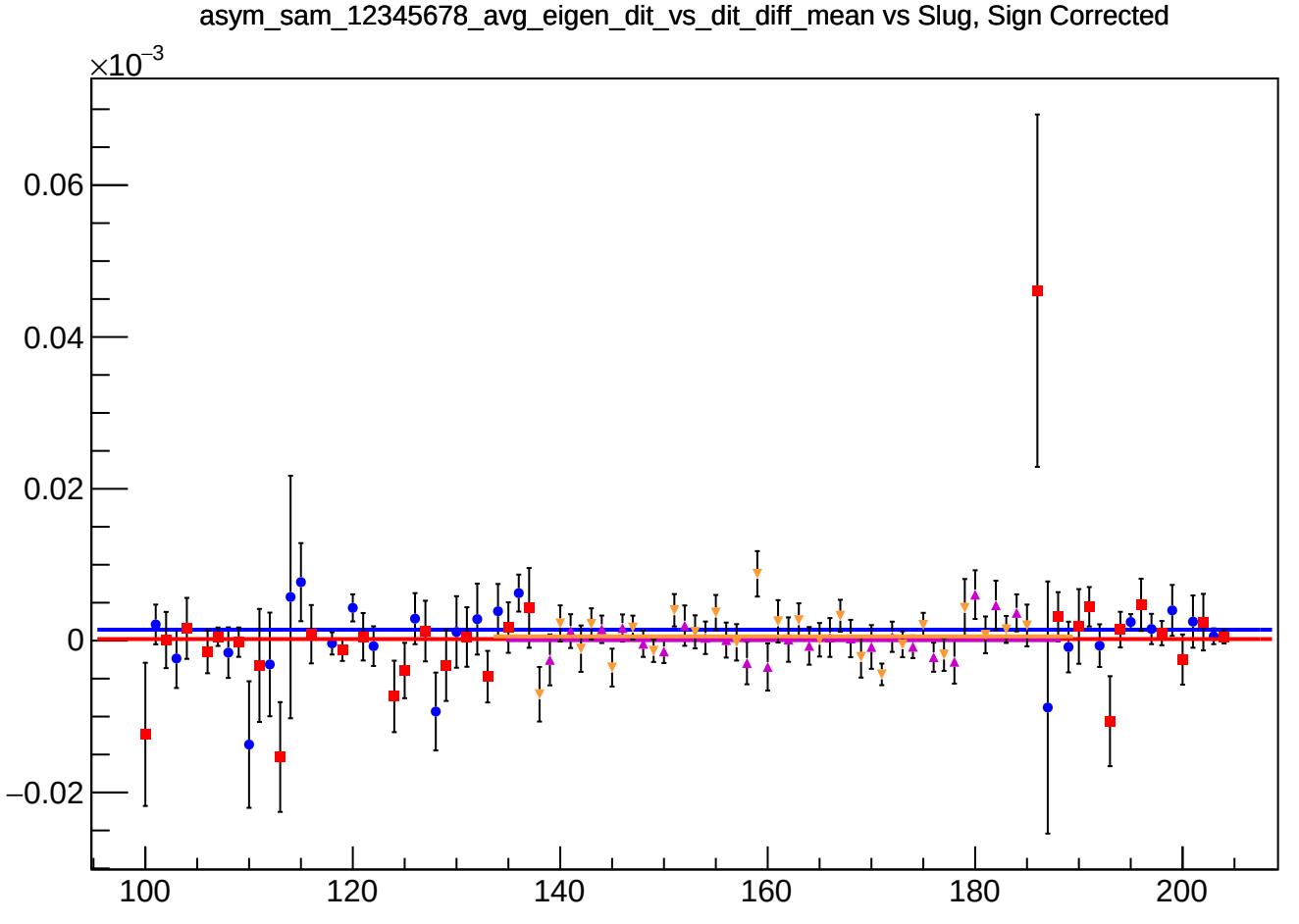
Left: 36.612+/-0.005 χ^2/NDF: 6859658.6/47

Right: 38.670+/-0.006 χ^2/NDF: 3658745.8/53

In: 37.017+/-0.005 χ^2/NDF:4589749.9/46

Out: 37.878+/-0.005 χ^2/NDF:5995764.5/54

All: 37.456+/-0.004 χ^2/NDF: 10600346.1/101



Right In: 0.000+/-0.000 χ^2/NDF: 24.7/23

Left Out: 0.000+/-0.000 χ^2/NDF:43.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 29.8/29

Left In: 0.000+/-0.000 χ^2/NDF:16.9/22

Left: 0.000+/-0.000 χ^2/NDF: 61.1/47

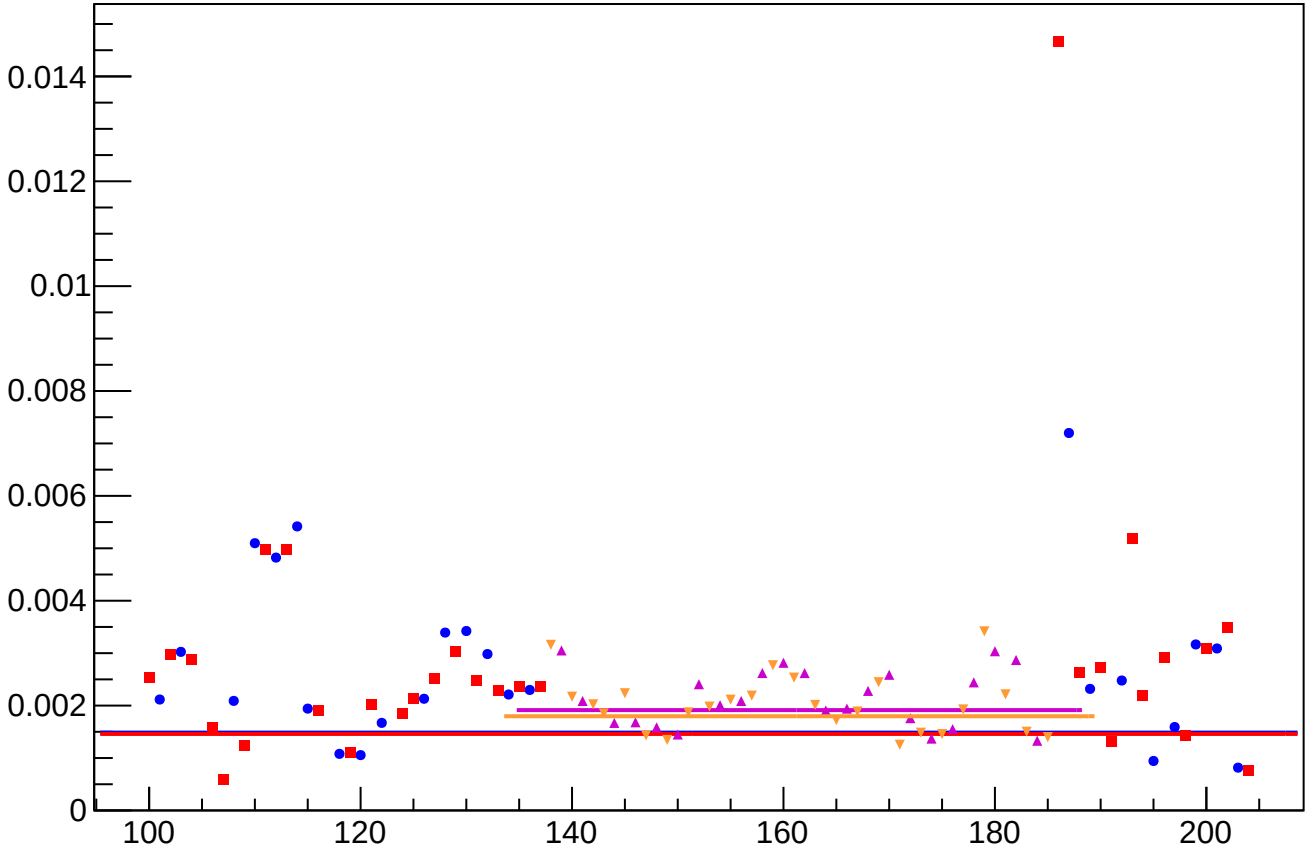
Right: 0.000+/-0.000 χ^2/NDF: 58.0/53

In: 0.000+/-0.000 χ^2/NDF:45.9/46

Out: 0.000+/-0.000 χ^2/NDF:73.7/54

All: 0.000+/-0.000 χ^2/NDF: 120.1/101

asym_sam_12345678_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 5891280.3/23

Left Out: 0.002+/-0.000 χ^2/NDF:2279340.7/24

Right Out: 0.001+/-0.000 χ^2/NDF: 8464577.9/29

Left In: 0.002+/-0.000 χ^2/NDF:2171715.8/22

Left: 0.002+/-0.000 χ^2/NDF: 4520286.4/47

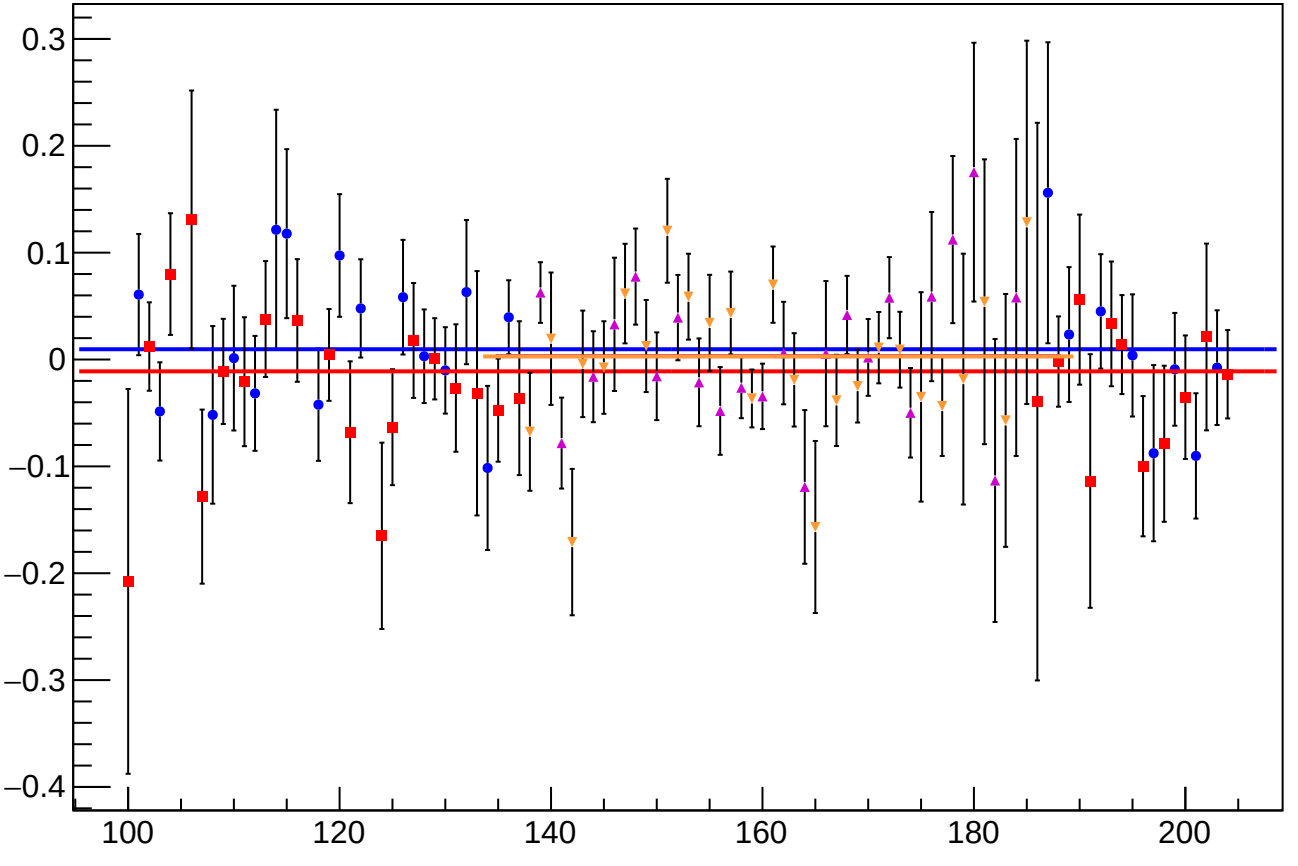
Right: 0.001+/-0.000 χ^2/NDF: 14358770.3/53

In: 0.002+/-0.000 χ^2/NDF:8880741.7/46

Out: 0.002+/-0.000 χ^2/NDF:11332777.9/54

All: 0.002+/-0.000 χ^2/NDF: 20257510.4/101

asym_sam_12345678_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.010+/-0.011 χ^2/NDF: 21.1/23

Left Out: 0.003+/-0.009 χ^2/NDF:32.9/24

Right Out: -0.011+/-0.011 χ^2/NDF: 20.5/29

Left In: 0.003+/-0.009 χ^2/NDF:29.8/22

Left: 0.003+/-0.007 χ^2/NDF: 62.7/47

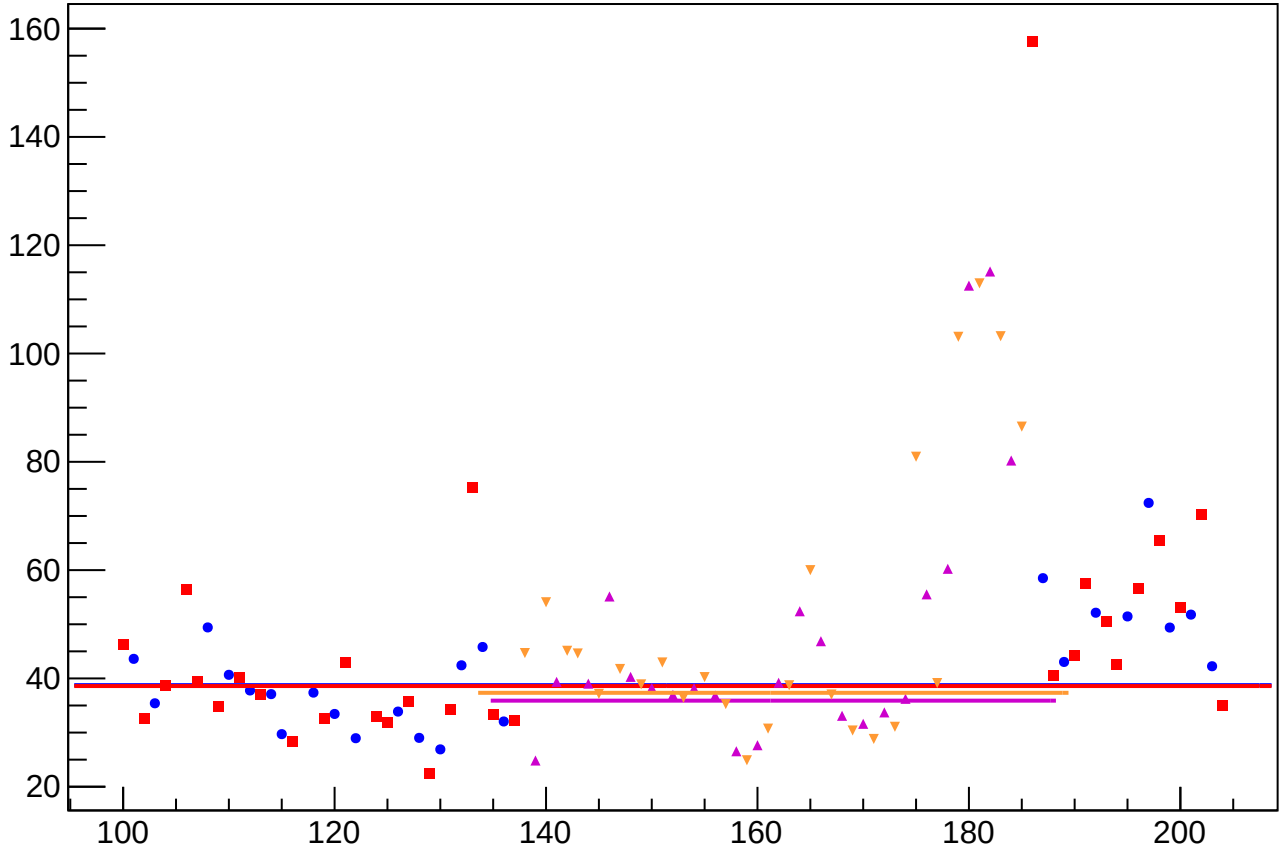
Right: -0.001+/-0.008 χ^2/NDF: 43.4/53

In: 0.006+/-0.007 χ^2/NDF:51.1/46

Out: -0.003+/-0.007 χ^2/NDF:54.4/54

All: 0.001+/-0.005 χ^2/NDF: 106.2/101

asym_sam_12345678_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 38.758+/-0.008 χ^2/NDF: 1375084.5/23

Left Out: 37.344+/-0.007 χ^2/NDF:3696697.3/24

Right Out: 38.592+/-0.008 χ^2/NDF: 2283671.5/29

Left In: 35.896+/-0.006 χ^2/NDF:3138307.4/22

Left: 36.612+/-0.005 χ^2/NDF: 6859720.7/47

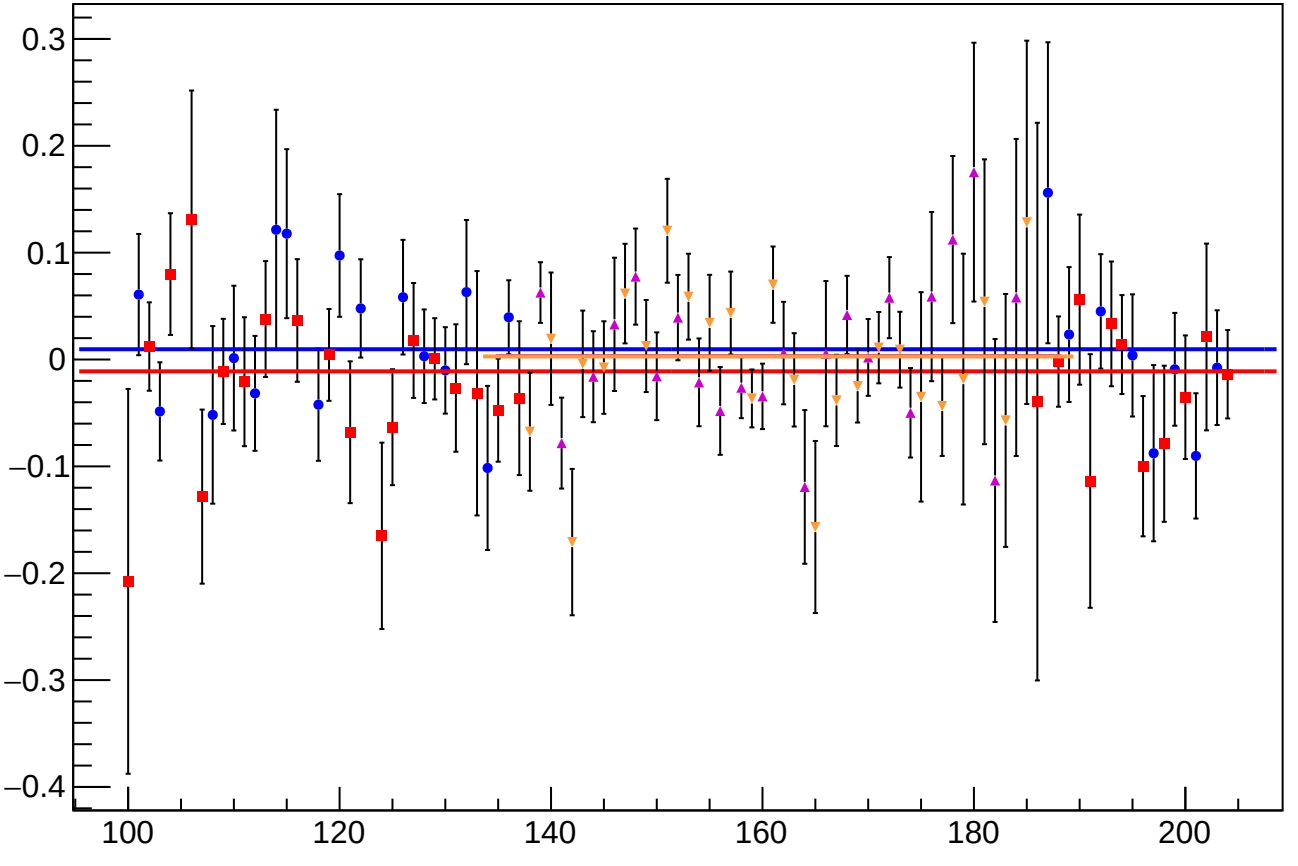
Right: 38.669+/-0.006 χ^2/NDF: 3658980.0/53

In: 37.017+/-0.005 χ^2/NDF:4589827.8/46

Out: 37.878+/-0.005 χ^2/NDF:5995918.7/54

All: 37.456+/-0.004 χ^2/NDF: 10600578.9/101

asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.010+/-0.011 χ^2/NDF: 21.1/23

Left Out: 0.003+/-0.009 χ^2/NDF:32.9/24

Right Out: -0.011+/-0.011 χ^2/NDF: 20.5/29

Left In: 0.003+/-0.009 χ^2/NDF:29.8/22

Left: 0.003+/-0.007 χ^2/NDF: 62.7/47

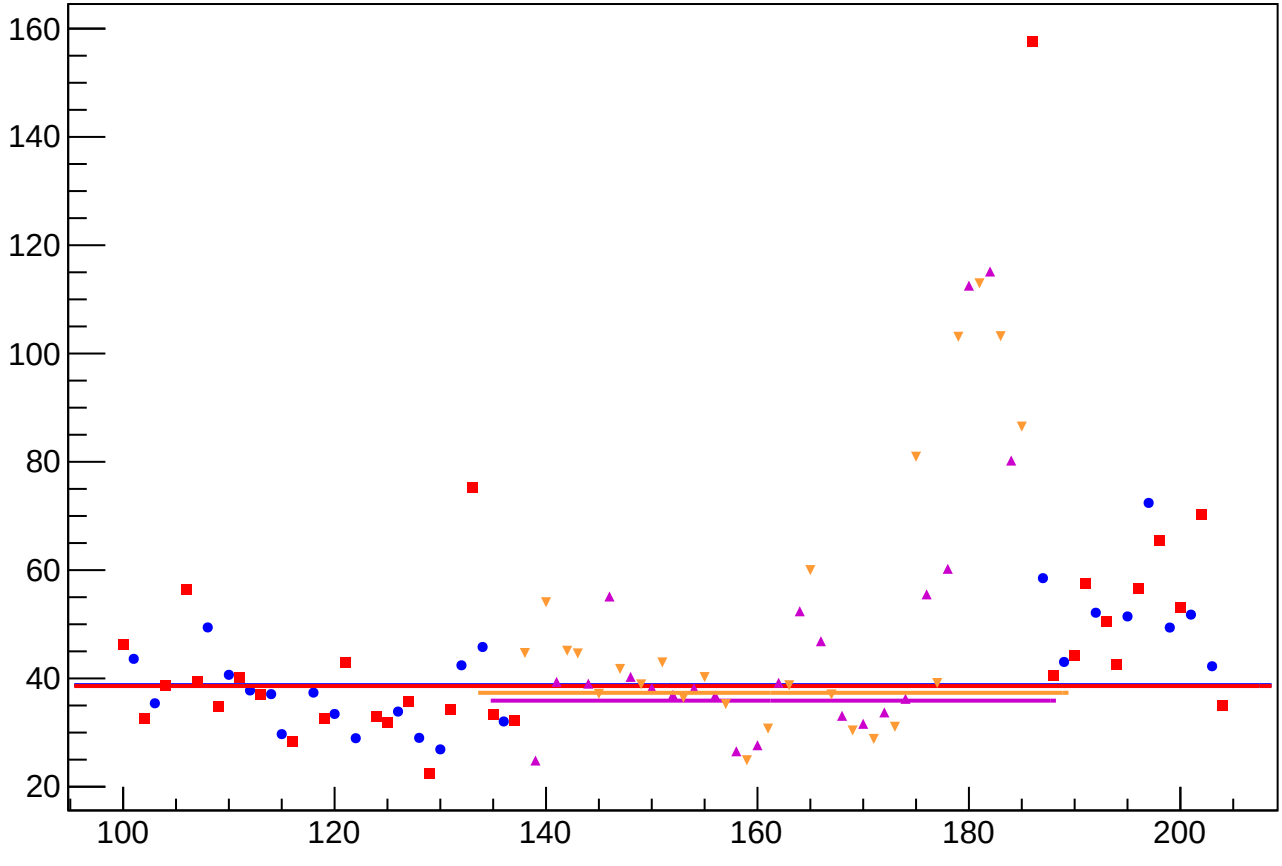
Right: -0.001+/-0.008 χ^2/NDF: 43.4/53

In: 0.006+/-0.007 χ^2/NDF:51.1/46

Out: -0.003+/-0.007 χ^2/NDF:54.4/54

All: 0.001+/-0.005 χ^2/NDF: 106.2/101

asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 38.758+/-0.008 χ^2/NDF: 1375084.5/23

Left Out: 37.344+/-0.007 χ^2/NDF:3696697.3/24

Right Out: 38.592+/-0.008 χ^2/NDF: 2283671.5/29

Left In: 35.896+/-0.006 χ^2/NDF:3138307.4/22

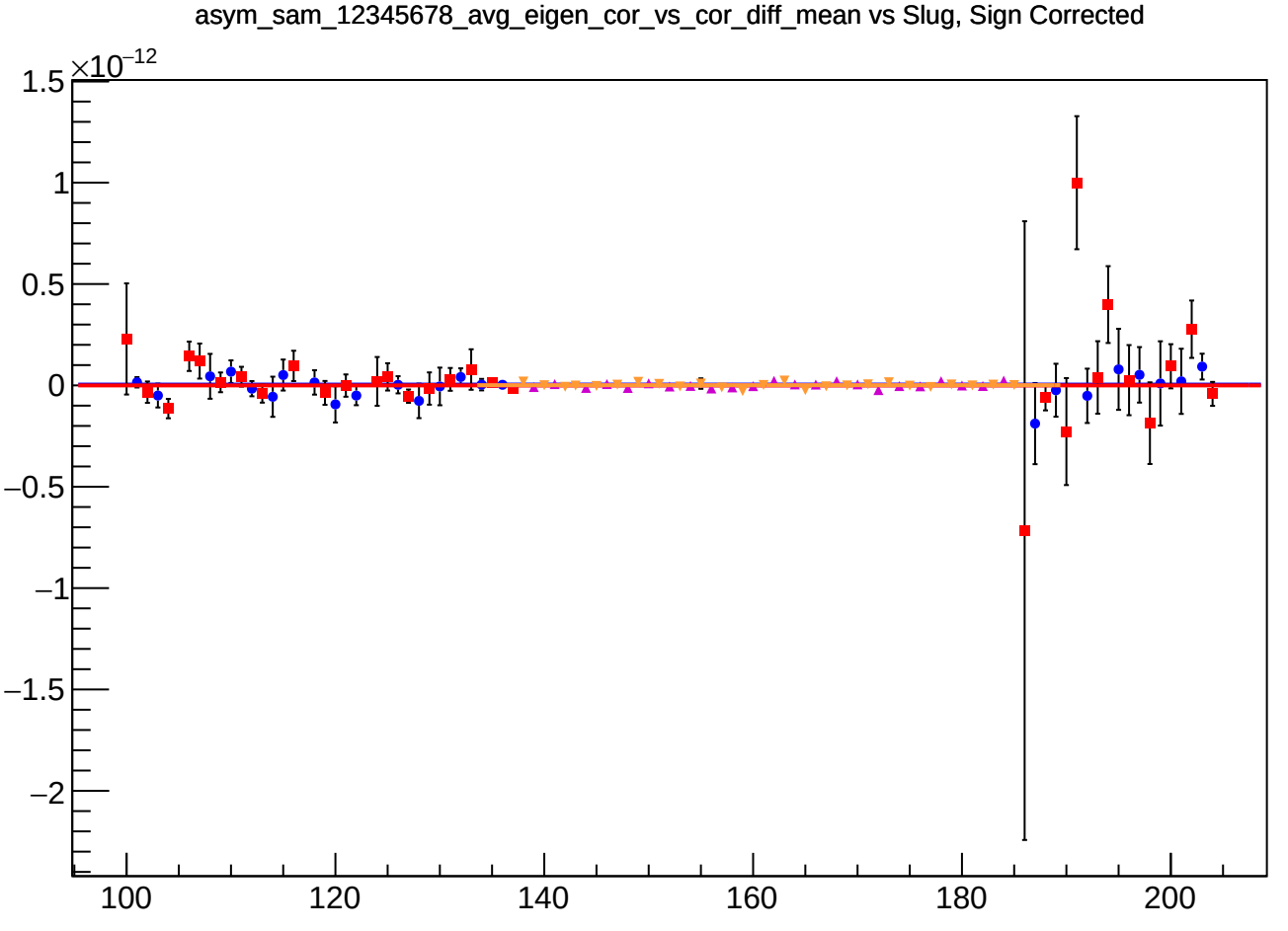
Left: 36.612+/-0.005 χ^2/NDF: 6859720.7/47

Right: 38.669+/-0.006 χ^2/NDF: 3658980.0/53

In: 37.017+/-0.005 χ^2/NDF:4589827.8/46

Out: 37.878+/-0.005 χ^2/NDF:5995918.7/54

All: 37.456+/-0.004 χ^2/NDF: 10600578.9/101



Right In: 0.000+/-0.000 χ^2/NDF: 11.1/23

Left Out: 0.000+/-0.000 χ^2/NDF:21.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 43.1/29

Left In: 0.000+/-0.000 χ^2/NDF:29.2/22

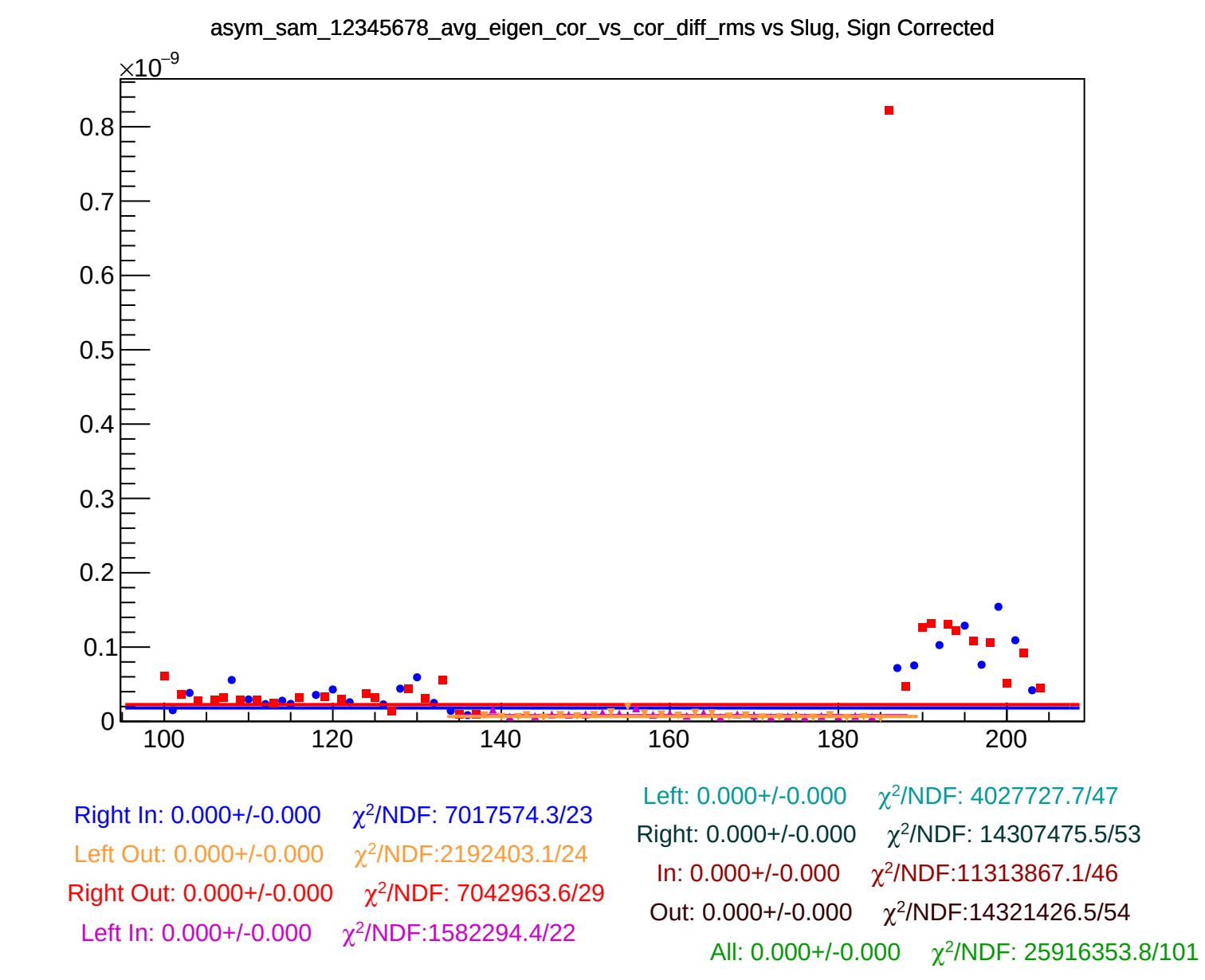
Left: 0.000+/-0.000 χ^2/NDF: 50.6/47

Right: 0.000+/-0.000 χ^2/NDF: 54.3/53

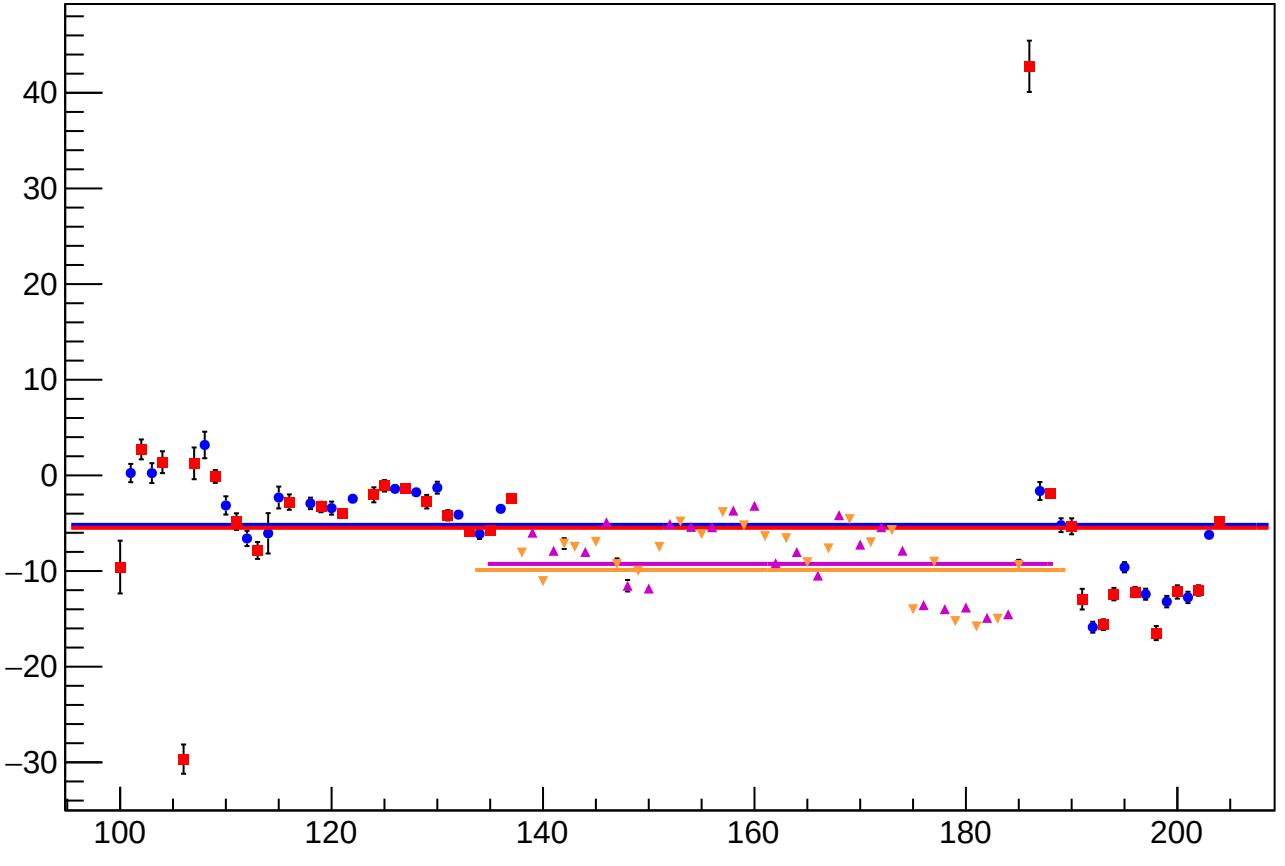
In: 0.000+/-0.000 χ^2/NDF:40.4/46

Out: 0.000+/-0.000 χ^2/NDF:64.5/54

All: 0.000+/-0.000 χ^2/NDF: 104.9/101


asym_sam_12345678_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 7017574.3/23
Left Out: 0.000+/-0.000 χ²/NDF:2192403.1/24
Right Out: 0.000+/-0.000 χ²/NDF: 7042963.6/29
Left In: 0.000+/-0.000 χ²/NDF:1582294.4/22
Left: 0.000+/-0.000 χ²/NDF: 4027727.7/47
Right: 0.000+/-0.000 χ²/NDF: 14307475.5/53
In: 0.000+/-0.000 χ²/NDF:11313867.1/46
Out: 0.000+/-0.000 χ²/NDF:14321426.5/54
All: 0.000+/-0.000 χ²/NDF: 25916353.8/101

reg_asym_sam1_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -5.173+/-0.114 χ^2/NDF: 1313.3/23

Left Out: -9.886+/-0.070 χ^2/NDF:3206.9/24

Right Out: -5.479+/-0.109 χ^2/NDF: 2253.5/29

Left In: -9.255+/-0.072 χ^2/NDF:3067.6/22

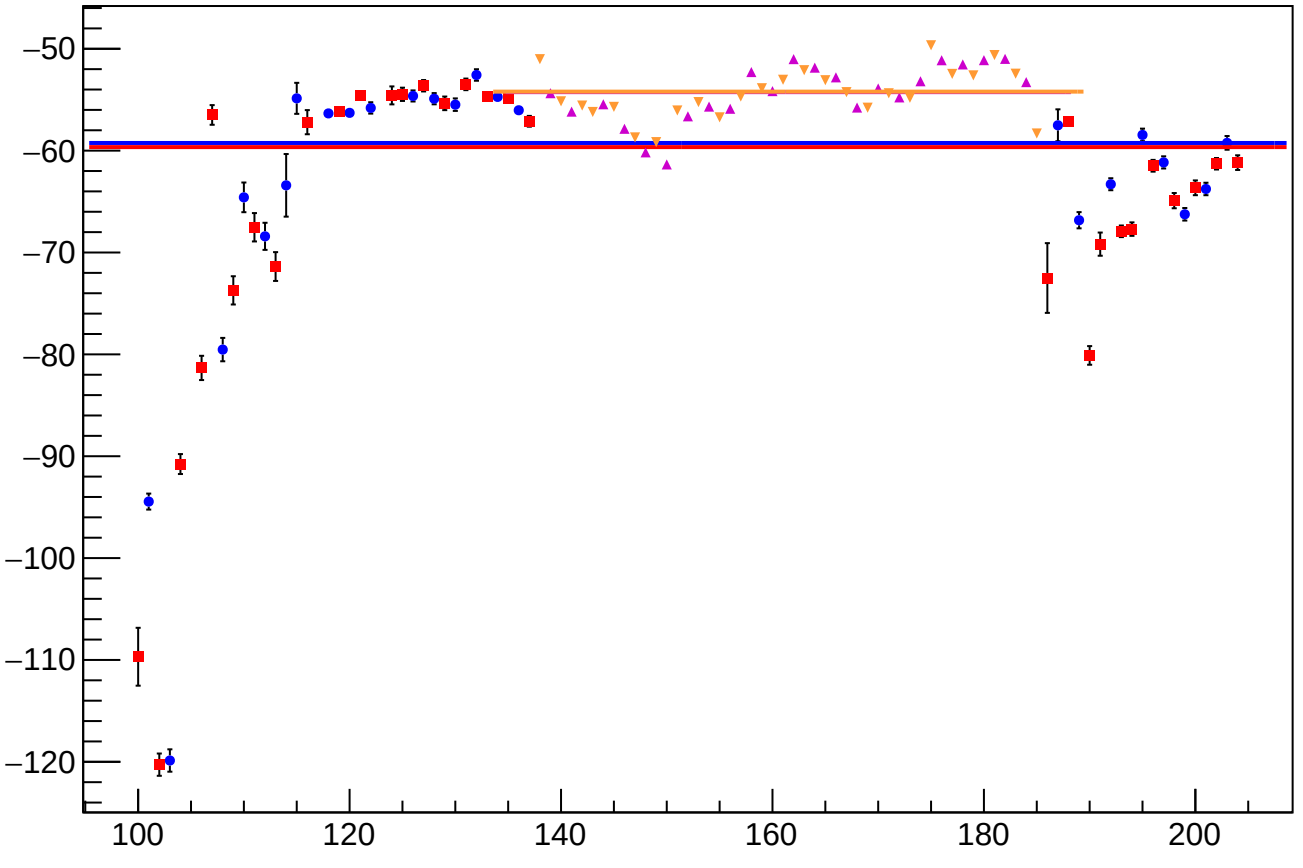
Left: -9.580+/-0.050 χ^2/NDF: 6314.6/47

Right: -5.332+/-0.079 χ^2/NDF: 3570.6/53

In: -8.097+/-0.061 χ^2/NDF:5302.2/46

Out: -8.613+/-0.059 χ^2/NDF:6621.3/54

All: -8.364+/-0.042 χ^2/NDF: 11961.0/101



Right In: -59.246+/-0.118 χ^2/NDF: 6520.7/23

Left Out: -54.206+/-0.056 χ^2/NDF:1857.6/24

Right Out: -59.653+/-0.115 χ^2/NDF: 7043.2/29

Left In: -54.257+/-0.058 χ^2/NDF:2489.9/22

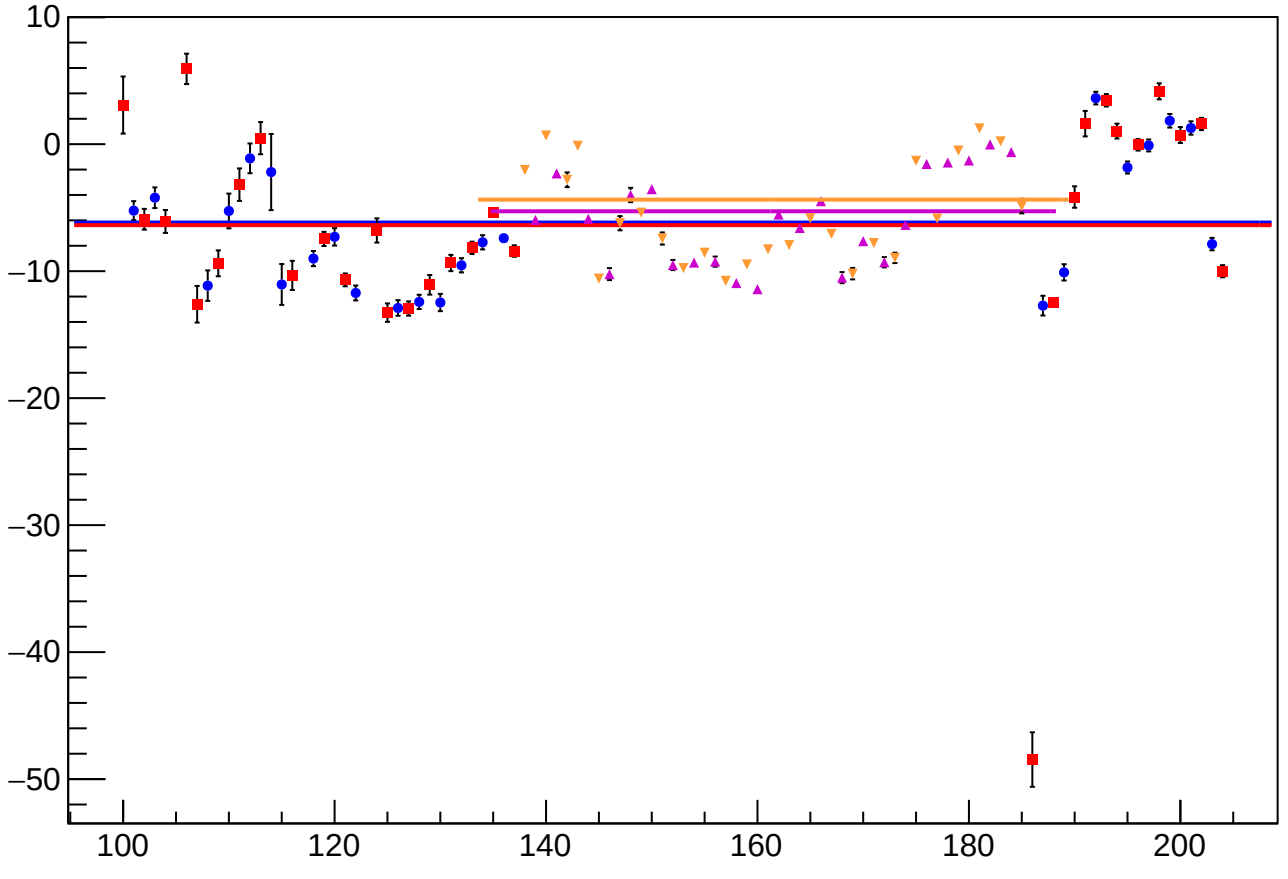
Left: -54.230+/-0.040 χ^2/NDF: 4347.9/47

Right: -59.454+/-0.082 χ^2/NDF: 13570.0/53

In: -55.241+/-0.052 χ^2/NDF:10454.1/46

Out: -55.245+/-0.050 χ^2/NDF:10716.5/54

All: -55.243+/-0.036 χ^2/NDF: 21170.6/101



Right In: -6.172+/-0.115 χ^2/NDF: 1753.7/23

Left Out: -4.366+/-0.069 χ^2/NDF:3701.4/24

Right Out: -6.377+/-0.108 χ^2/NDF: 3099.4/29

Left In: -5.283+/-0.071 χ^2/NDF:2750.2/22

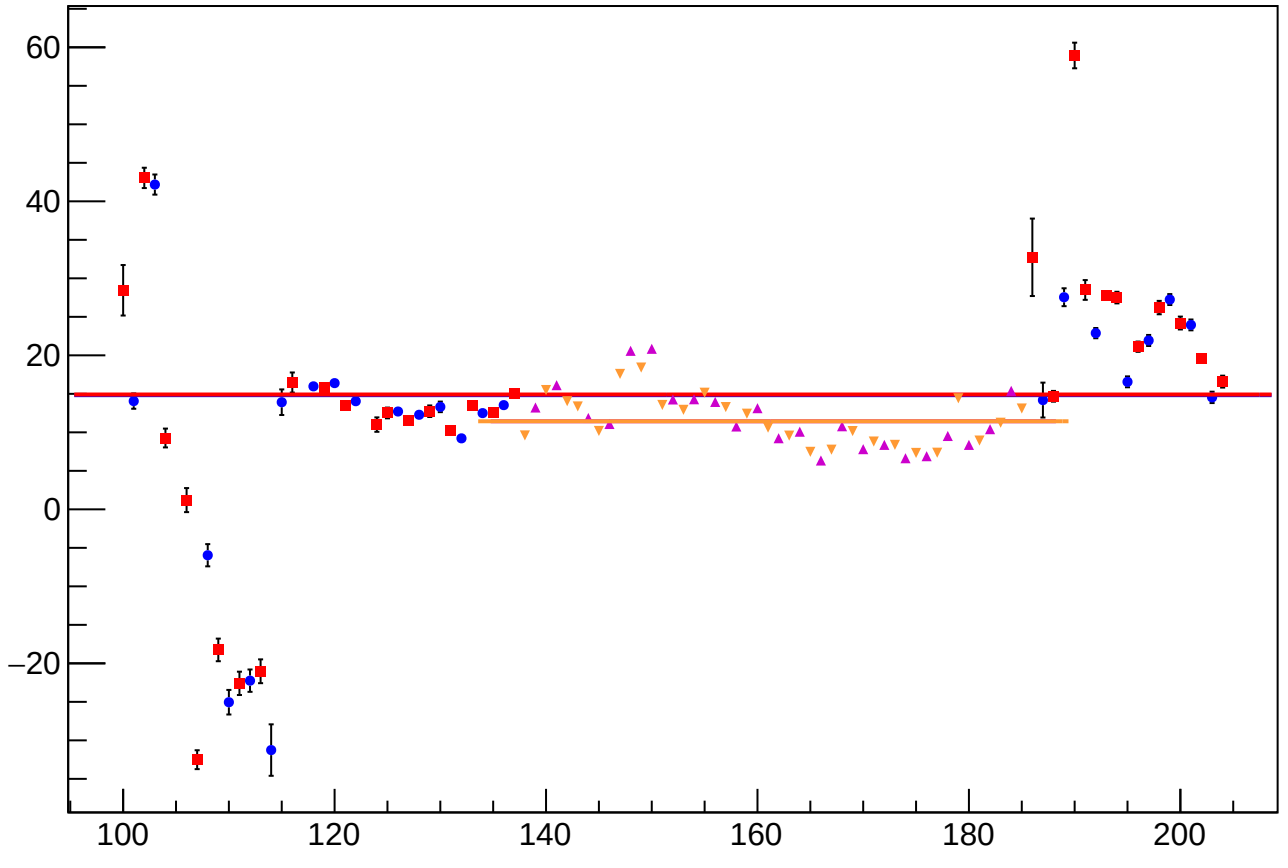
Left: -4.813+/-0.050 χ^2/NDF: 6536.9/47

Right: -6.281+/-0.079 χ^2/NDF: 4854.8/53

In: -5.530+/-0.060 χ^2/NDF:4547.4/46

Out: -4.952+/-0.058 χ^2/NDF:7046.3/54

All: -5.231+/-0.042 χ^2/NDF: 11641.1/101



Right In: 14.828+/-0.132 χ^2/NDF: 3146.8/23

Left Out: 11.438+/-0.062 χ^2/NDF:2435.7/24

Right Out: 14.912+/-0.131 χ^2/NDF: 5865.7/29

Left In: 11.441+/-0.064 χ^2/NDF:3358.4/22

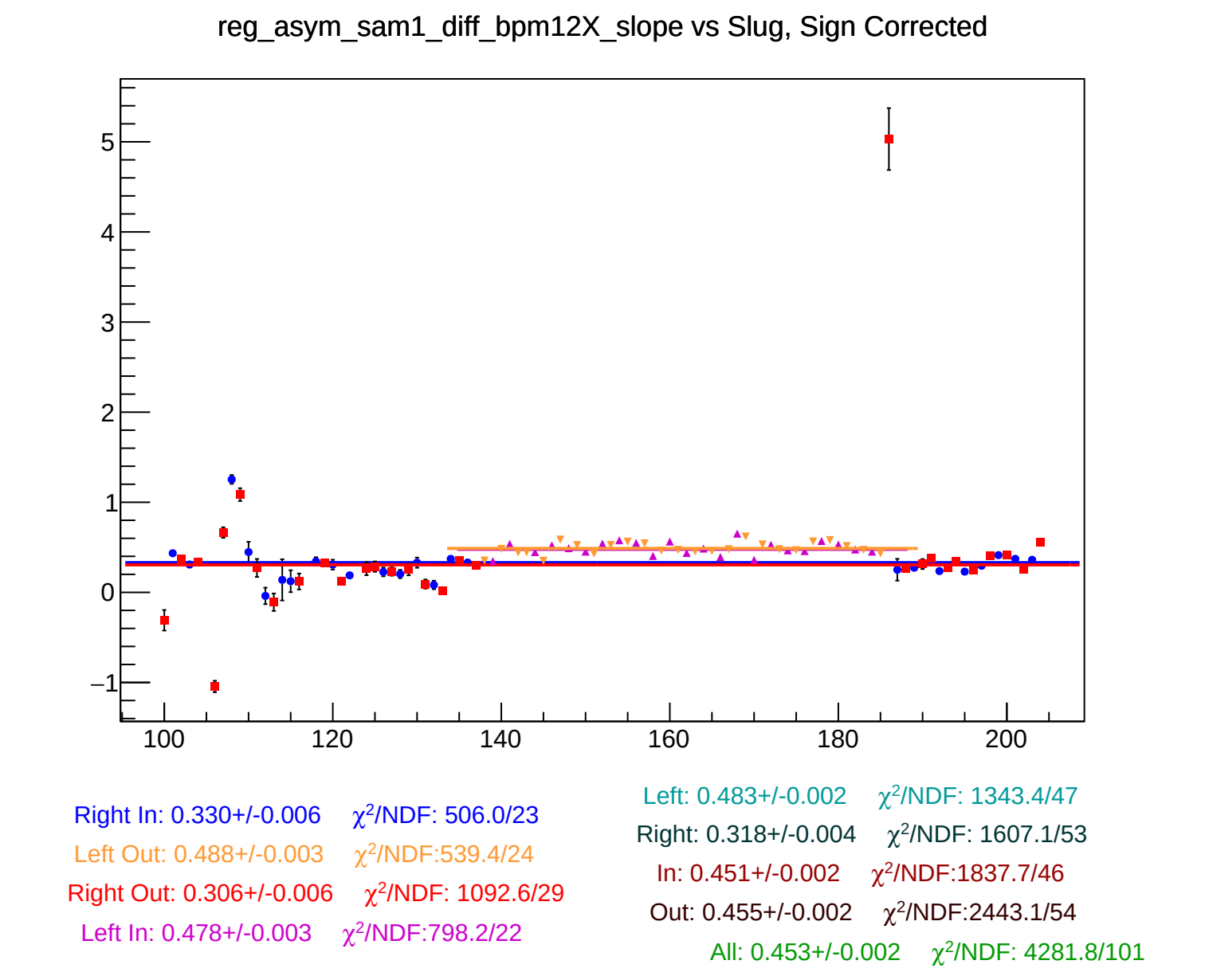
Left: 11.439+/-0.045 χ^2/NDF: 5794.1/47

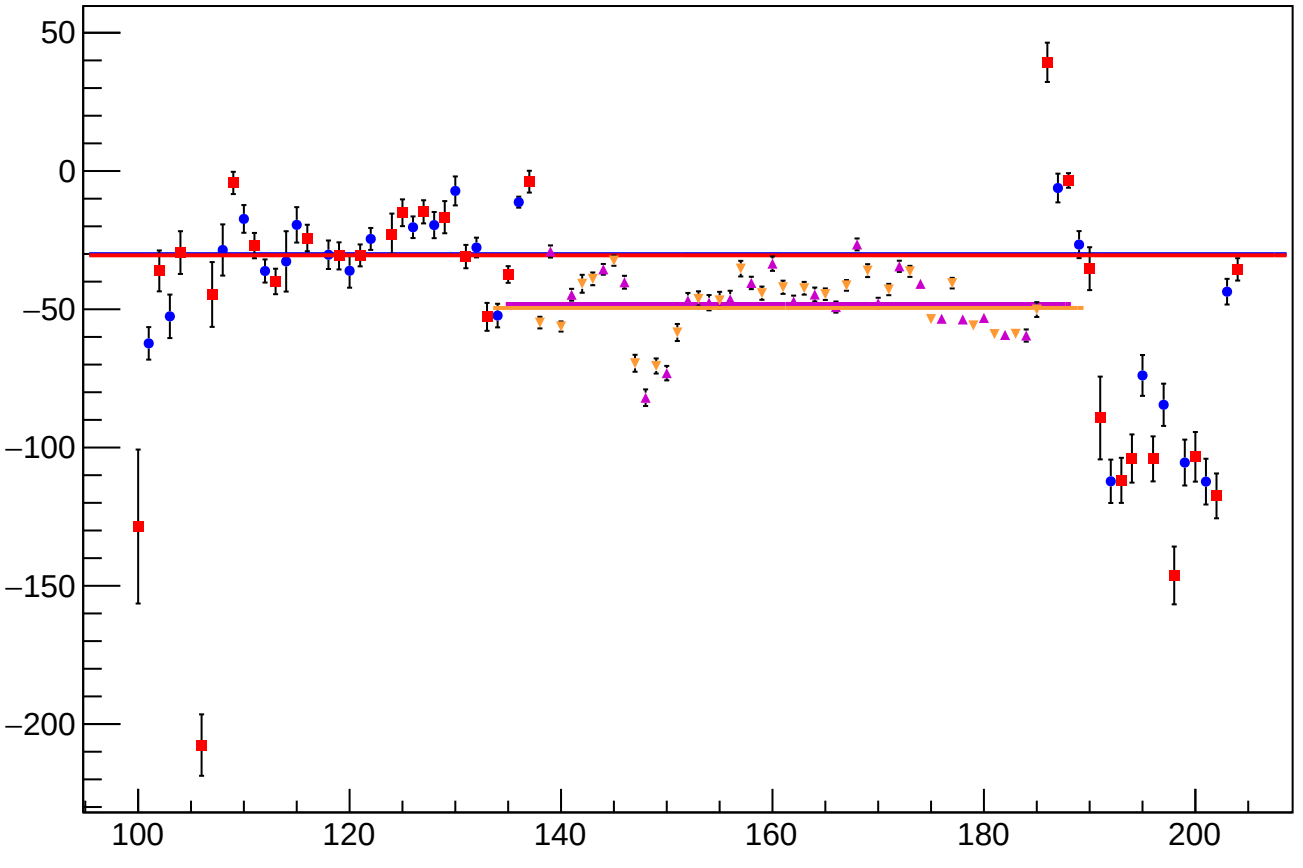
Right: 14.870+/-0.093 χ^2/NDF: 9012.7/53

In: 12.088+/-0.058 χ^2/NDF:7036.5/46

Out: 12.070+/-0.056 χ^2/NDF:8872.9/54

All: 12.079+/-0.040 χ^2/NDF: 15909.4/101


reg_asym_sam1_diff_bpm12X_slope vs Slug, Sign Corrected
5
4
3
2
1
0
−1
100
120
140
160
180
200
Right In: 0.330+/-0.006 χ²/NDF: 506.0/23
Left Out: 0.488+/-0.003 χ²/NDF:539.4/24
Right Out: 0.306+/-0.006 χ²/NDF: 1092.6/29
Left In: 0.478+/-0.003 χ²/NDF:798.2/22
Left: 0.483+/-0.002 χ²/NDF: 1343.4/47
Right: 0.318+/-0.004 χ²/NDF: 1607.1/53
In: 0.451+/-0.002 χ²/NDF:1837.7/46
Out: 0.455+/-0.002 χ²/NDF:2443.1/54
All: 0.453+/-0.002 χ²/NDF: 4281.8/101



Right In: -30.067+/-0.974 χ^2/NDF: 607.3/23

Left Out: -49.516+/-0.402 χ^2/NDF:576.3/24

Right Out: -30.474+/-0.954 χ^2/NDF: 1193.6/29

Left In: -48.087+/-0.418 χ^2/NDF:706.2/22

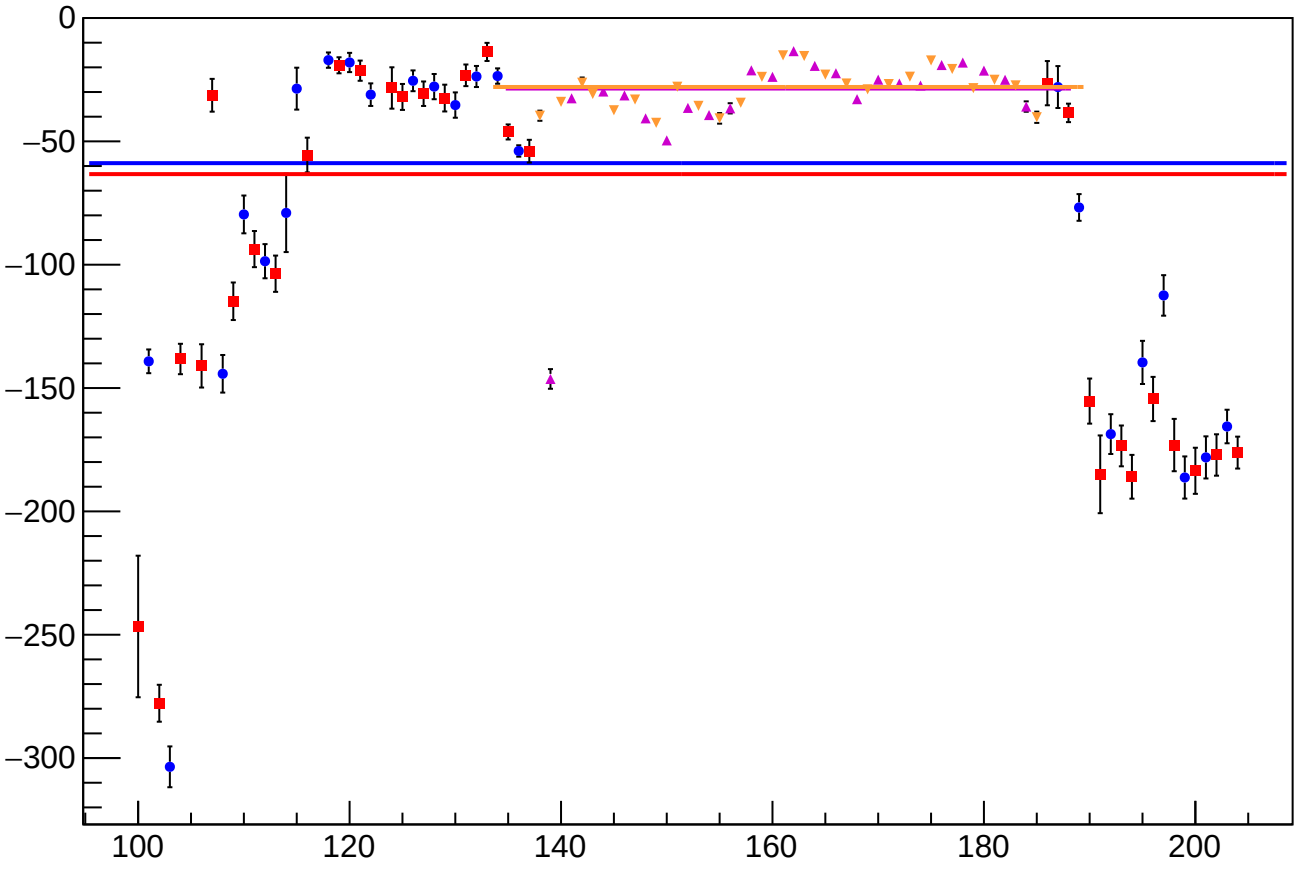
Left: -48.829+/-0.290 χ^2/NDF: 1288.6/47

Right: -30.275+/-0.682 χ^2/NDF: 1801.0/53

In: -45.280+/-0.385 χ^2/NDF:1602.3/46

Out: -46.640+/-0.371 χ^2/NDF:2108.1/54

All: -45.985+/-0.267 χ^2/NDF: 3716.9/101



Right In: -58.833+/-1.018 χ^2/NDF: 2982.5/23

Left Out: -27.957+/-0.321 χ^2/NDF:497.7/24

Right Out: -63.279+/-1.046 χ^2/NDF: 3379.1/29

Left In: -28.592+/-0.334 χ^2/NDF:1480.6/22

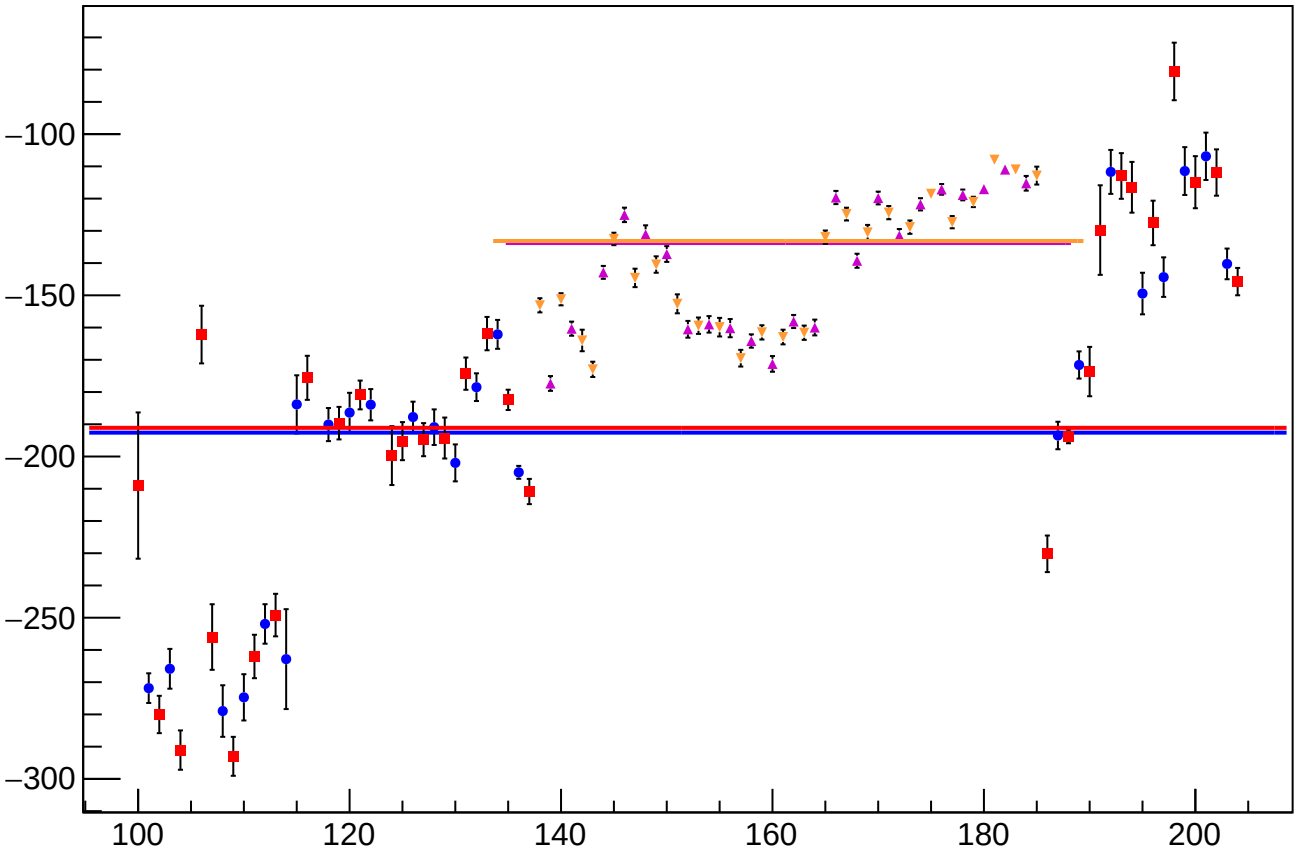
Left: -28.263+/-0.231 χ^2/NDF: 1980.2/47

Right: -60.995+/-0.730 χ^2/NDF: 6370.9/53

In: -31.526+/-0.317 χ^2/NDF:5260.4/46

Out: -30.997+/-0.307 χ^2/NDF:4918.1/54

All: -31.253+/-0.221 χ^2/NDF: 10179.9/101



Right In: -192.599+/-1.008 χ^2/NDF: 1552.3/23

Left Out: -133.155+/-0.403 χ^2/NDF:2530.7/24

Right Out: -191.103+/-0.979 χ^2/NDF: 1964.9/29

Left In: -133.777+/-0.417 χ^2/NDF:2440.7/22

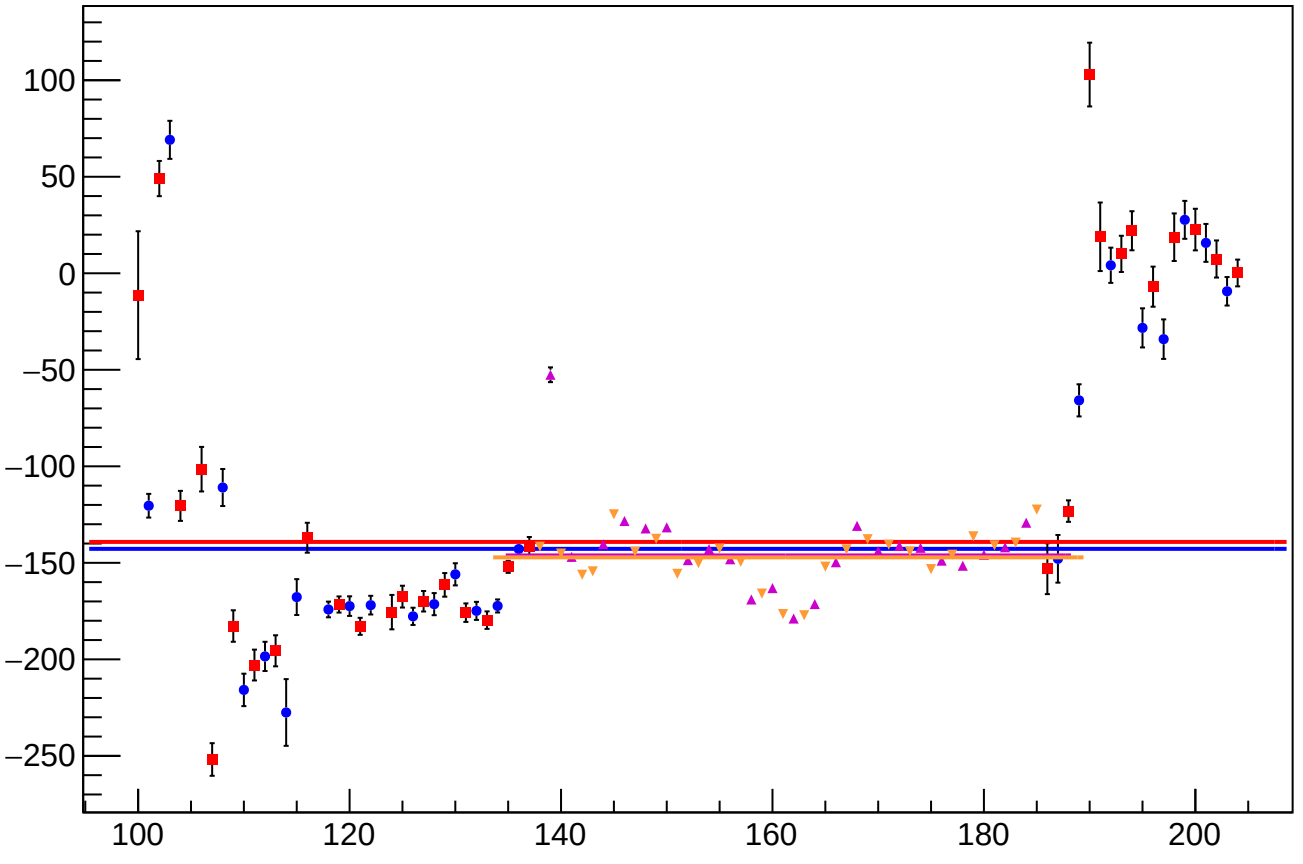
Left: -133.455+/-0.290 χ^2/NDF: 4972.5/47

Right: -191.829+/-0.702 χ^2/NDF: 3518.4/53

In: -142.373+/-0.385 χ^2/NDF:6900.9/46

Out: -141.555+/-0.373 χ^2/NDF:7493.9/54

All: -141.950+/-0.268 χ^2/NDF: 14397.2/101



Right In: -142.753+/-1.149 χ^2/NDF: 2465.8/23

Left Out: -147.167+/-0.358 χ^2/NDF:1245.6/24

Right Out: -139.162+/-1.202 χ^2/NDF: 3177.8/29

Left In: -146.173+/-0.371 χ^2/NDF:1793.8/22

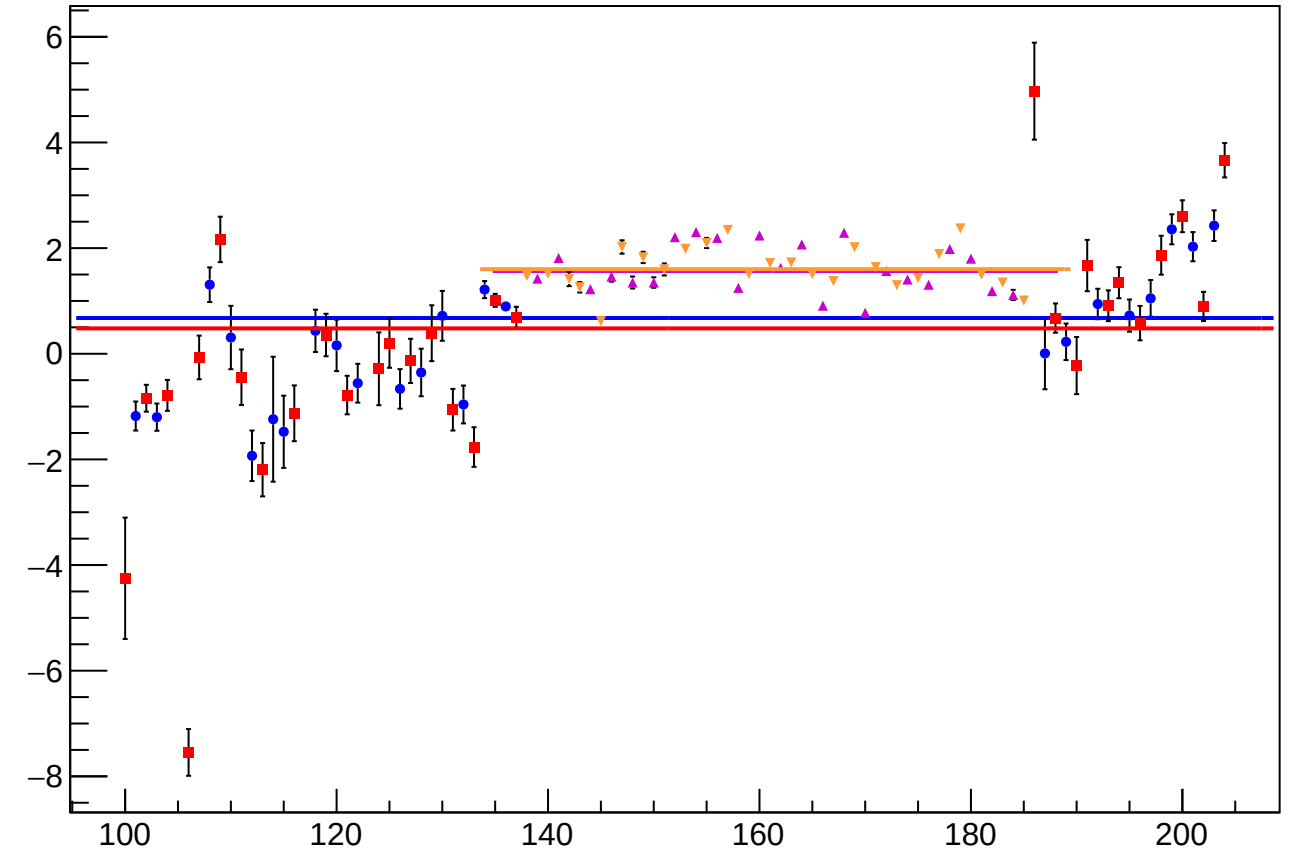
Left: -146.687+/-0.258 χ^2/NDF: 3043.1/47

Right: -141.038+/-0.831 χ^2/NDF: 5648.2/53

In: -145.851+/-0.353 χ^2/NDF:4267.5/46

Out: -146.514+/-0.343 χ^2/NDF:4464.1/54

All: -146.192+/-0.246 χ^2/NDF: 8733.5/101



Right In: 0.677+/-0.056 χ^2/NDF: 313.1/23

Left Out: 1.601+/-0.016 χ^2/NDF:581.8/24

Right Out: 0.480+/-0.059 χ^2/NDF: 740.5/29

Left In: 1.567+/-0.016 χ^2/NDF:735.2/22

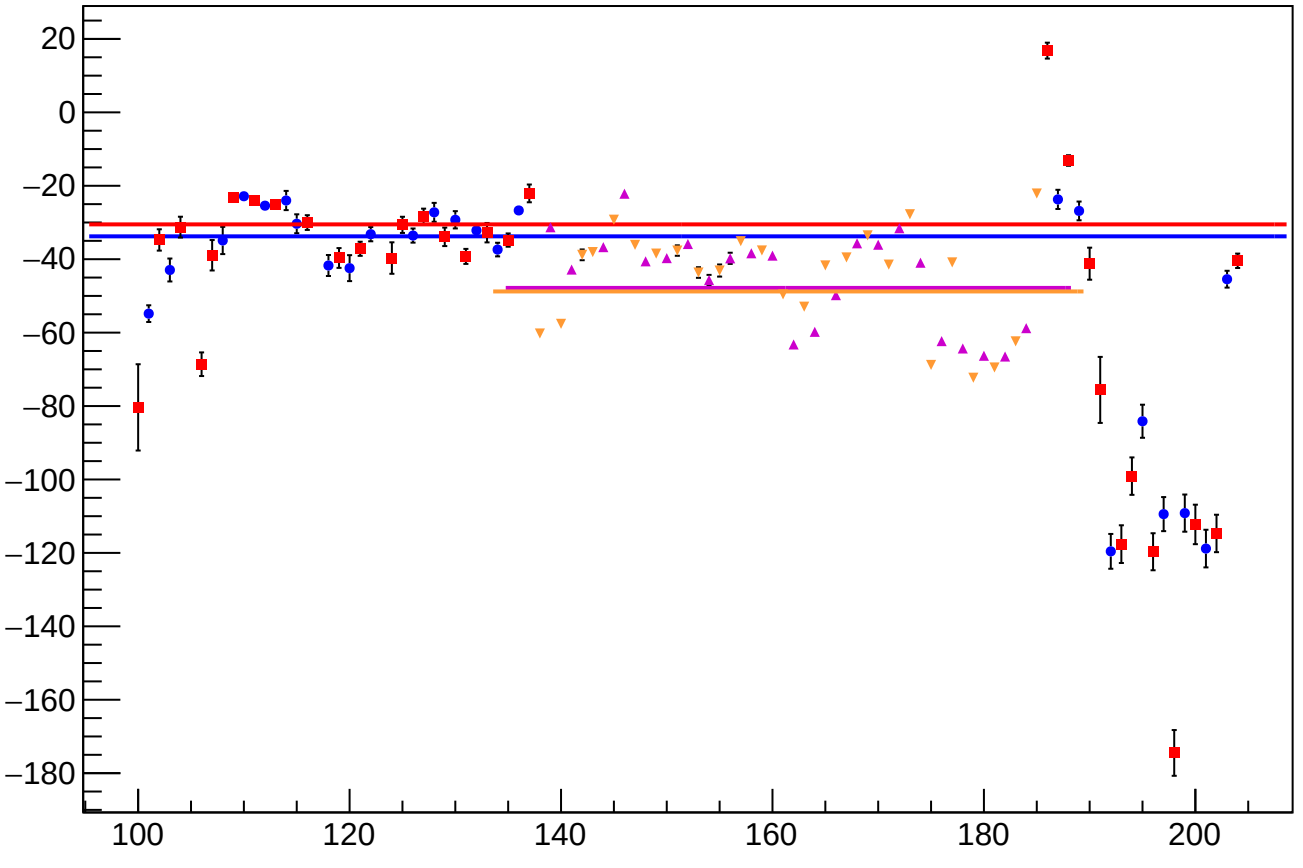
Left: 1.585+/-0.011 χ^2/NDF: 1319.1/47

Right: 0.584+/-0.041 χ^2/NDF: 1059.4/53

In: 1.497+/-0.016 χ^2/NDF:1279.8/46

Out: 1.524+/-0.015 χ^2/NDF:1657.7/54

All: 1.511+/-0.011 χ^2/NDF: 2939.0/101



Right In: -33.772+/-0.435 χ^2/NDF: 1570.8/23

Left Out: -48.783+/-0.167 χ^2/NDF:8953.8/24

Right Out: -30.513+/-0.403 χ^2/NDF: 2831.1/29

Left In: -47.822+/-0.170 χ^2/NDF:7223.0/22

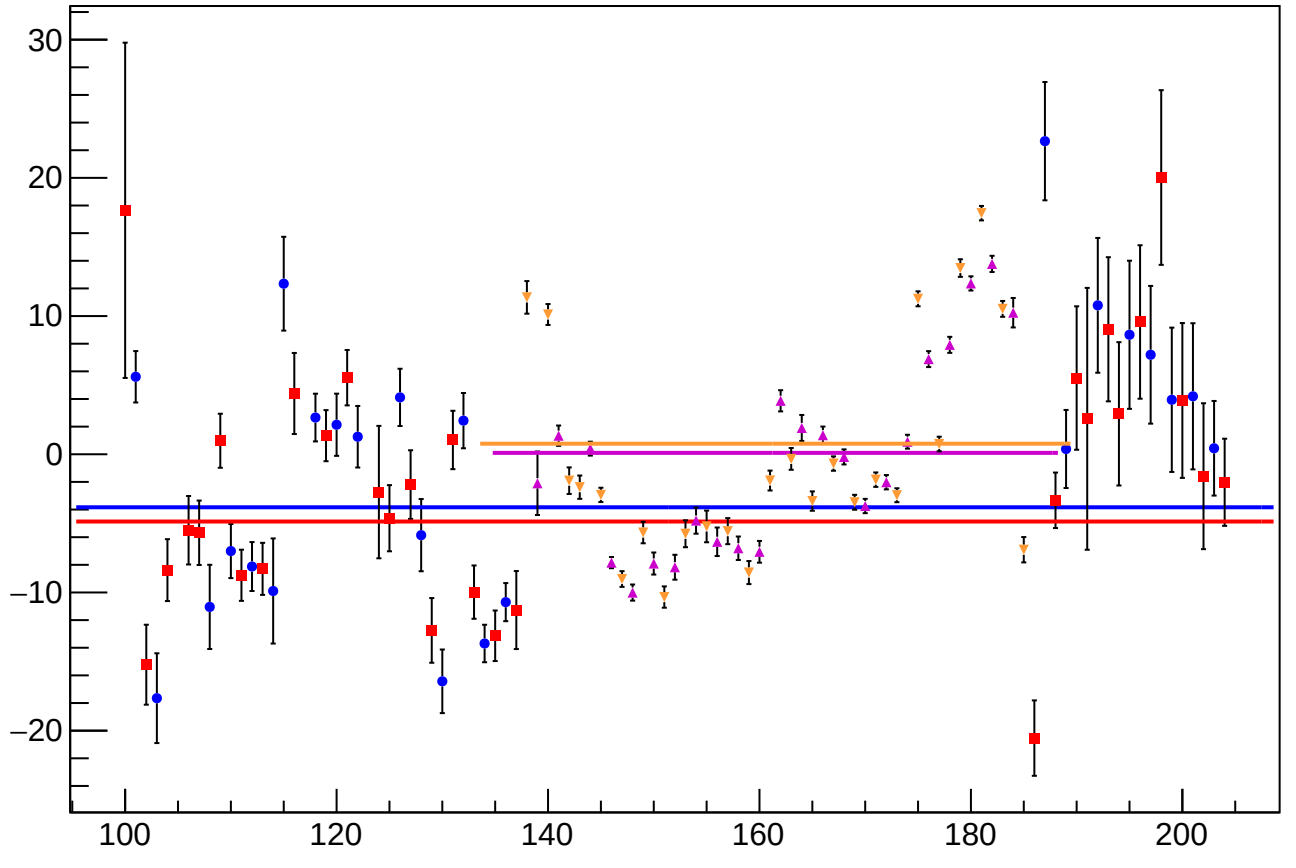
Left: -48.311+/-0.119 χ^2/NDF: 16193.1/47

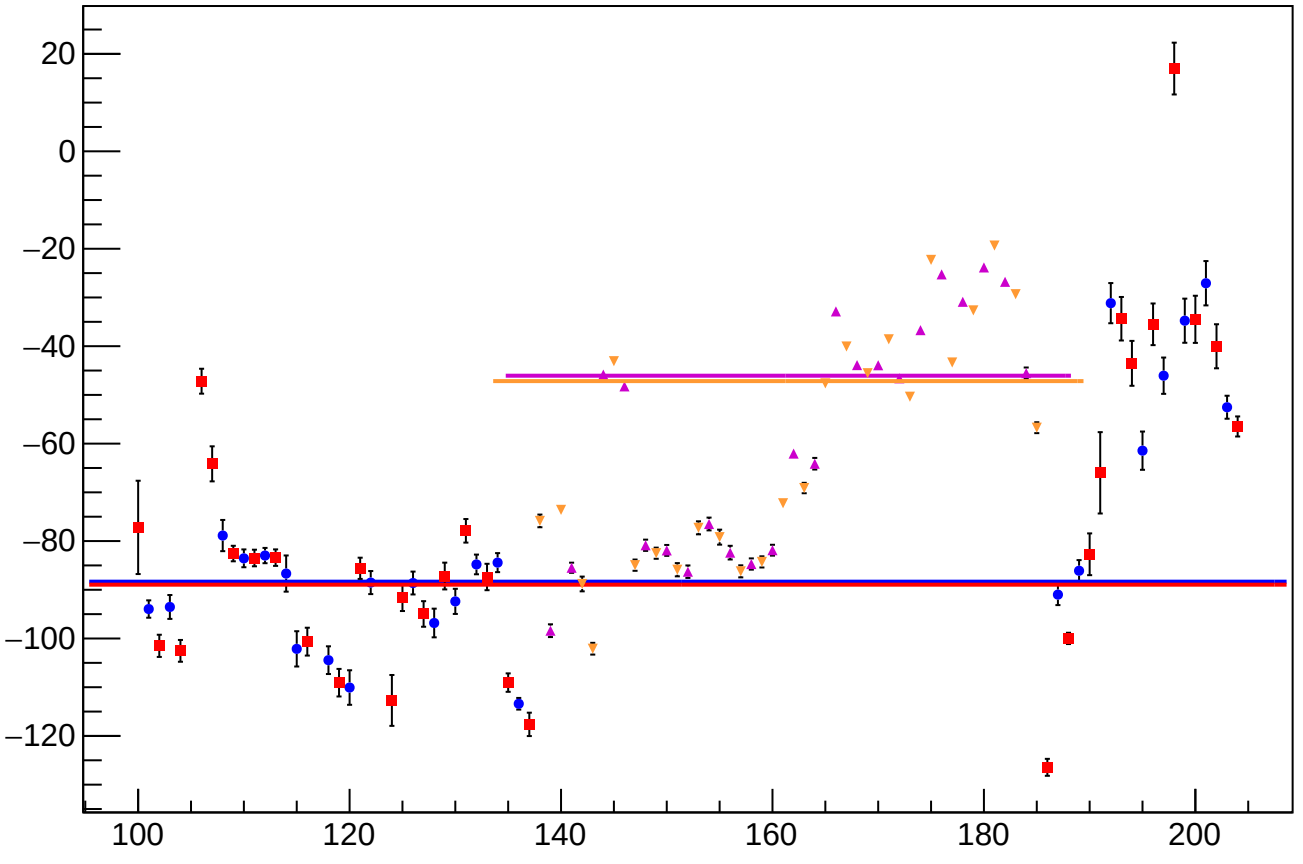
Right: -32.017+/-0.296 χ^2/NDF: 4432.1/53

In: -45.963+/-0.158 χ^2/NDF:9697.7/46

Out: -46.110+/-0.154 χ^2/NDF:13541.0/54

All: -46.039+/-0.110 χ^2/NDF: 23239.2/101


reg_asym_sam3_diff_bpm4aY_slope vs Slug, Sign Corrected
30
20
10
0
−10
−20
100
120
140
160
180
200
Right In: -3.836+/-0.482 χ²/NDF: 308.3/23
Left Out: 0.765+/-0.132 χ²/NDF:3467.2/24
Right Out: -4.867+/-0.478 χ²/NDF: 210.4/29
Left In: 0.102+/-0.133 χ²/NDF:2721.8/22
Left: 0.435+/-0.094 χ²/NDF: 6201.6/47
Right: -4.355+/-0.339 χ²/NDF: 521.0/53
In: -0.177+/-0.128 χ²/NDF:3092.1/46
Out: 0.365+/-0.128 χ²/NDF:3806.7/54
All: 0.095+/-0.090 χ²/NDF: 6907.8/101



Right In: -88.335+/-0.479 χ^2/NDF: 1504.5/23

Left Out: -47.167+/-0.168 χ^2/NDF:17658.5/24

Right Out: -88.952+/-0.445 χ^2/NDF: 2651.1/29

Left In: -46.058+/-0.170 χ^2/NDF:14769.8/22

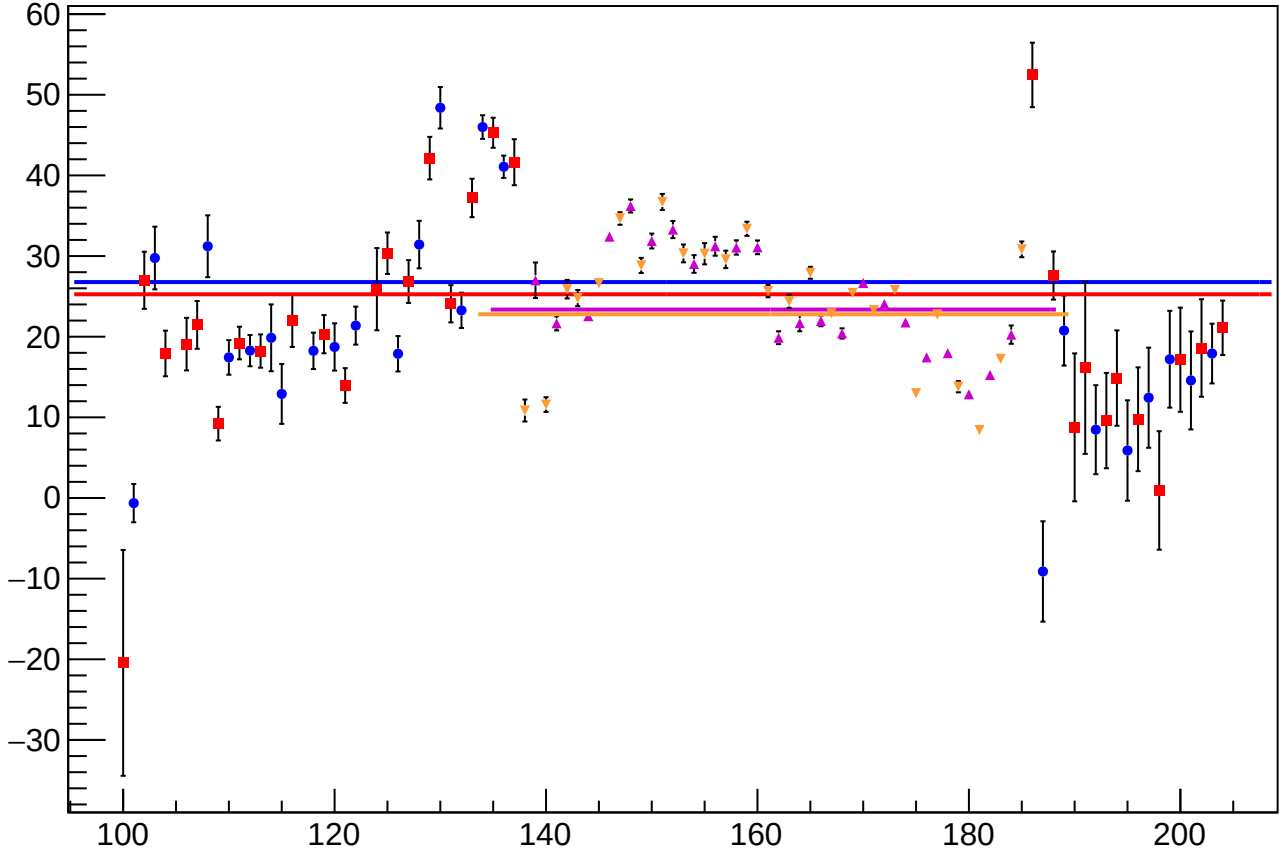
Left: -46.621+/-0.119 χ^2/NDF: 32449.9/47

Right: -88.666+/-0.326 χ^2/NDF: 4156.5/53

In: -50.802+/-0.160 χ^2/NDF:23200.6/46

Out: -52.356+/-0.157 χ^2/NDF:28033.3/54

All: -51.596+/-0.112 χ^2/NDF: 51281.9/101



Right In: 26.774+/-0.544 χ^2/NDF: 663.4/23

Left Out: 22.782+/-0.147 χ^2/NDF:2412.9/24

Right Out: 25.259+/-0.550 χ^2/NDF: 436.8/29

Left In: 23.366+/-0.149 χ^2/NDF:1785.4/22

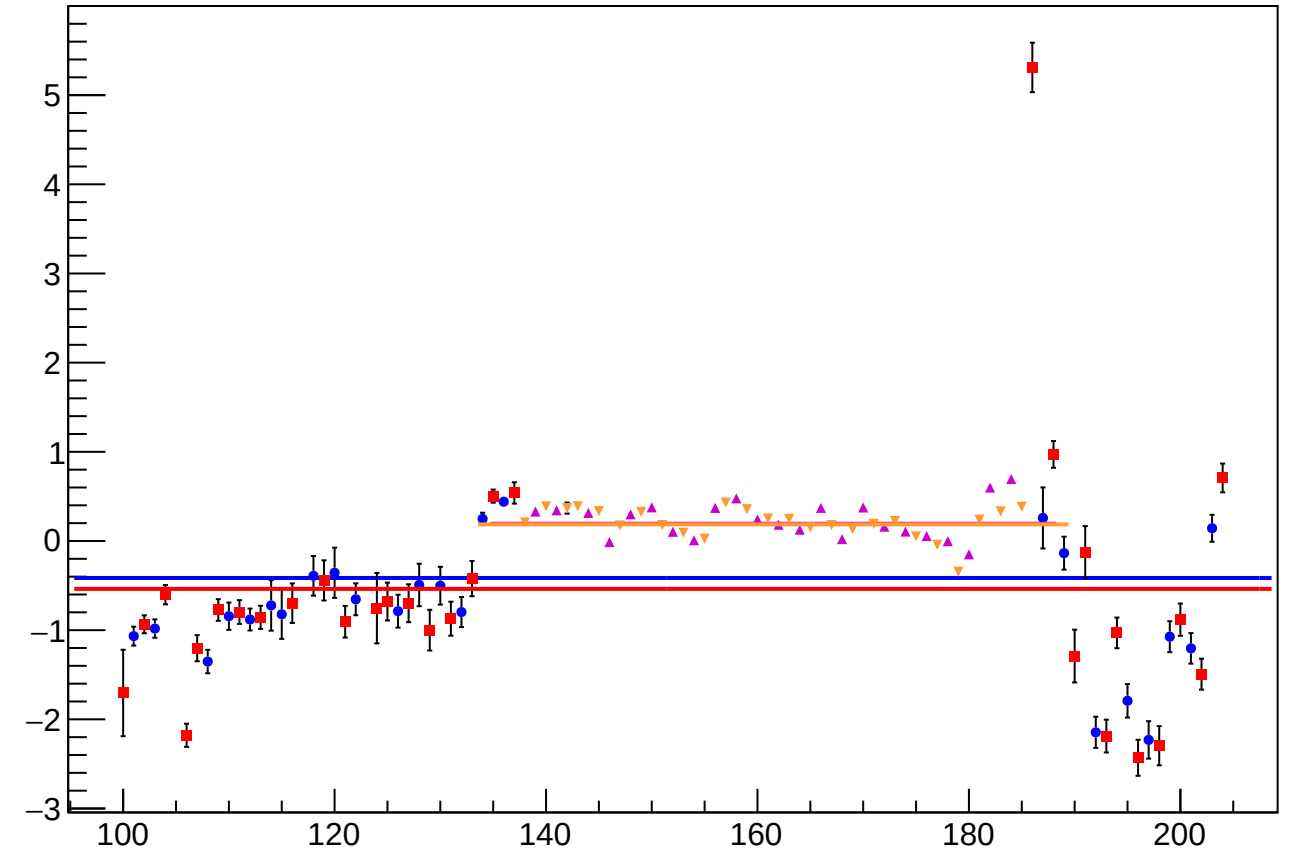
Left: 23.071+/-0.105 χ^2/NDF: 4206.1/47

Right: 26.025+/-0.387 χ^2/NDF: 1104.0/53

In: 23.603+/-0.144 χ^2/NDF:2485.3/46

Out: 22.948+/-0.142 χ^2/NDF:2868.7/54

All: 23.273+/-0.101 χ^2/NDF: 5364.5/101



Right In: -0.415+/-0.028 χ^2/NDF: 758.5/23

Left Out: 0.186+/-0.007 χ^2/NDF:645.7/24

Right Out: -0.537+/-0.029 χ^2/NDF: 1398.6/29

Left In: 0.193+/-0.007 χ^2/NDF:938.2/22

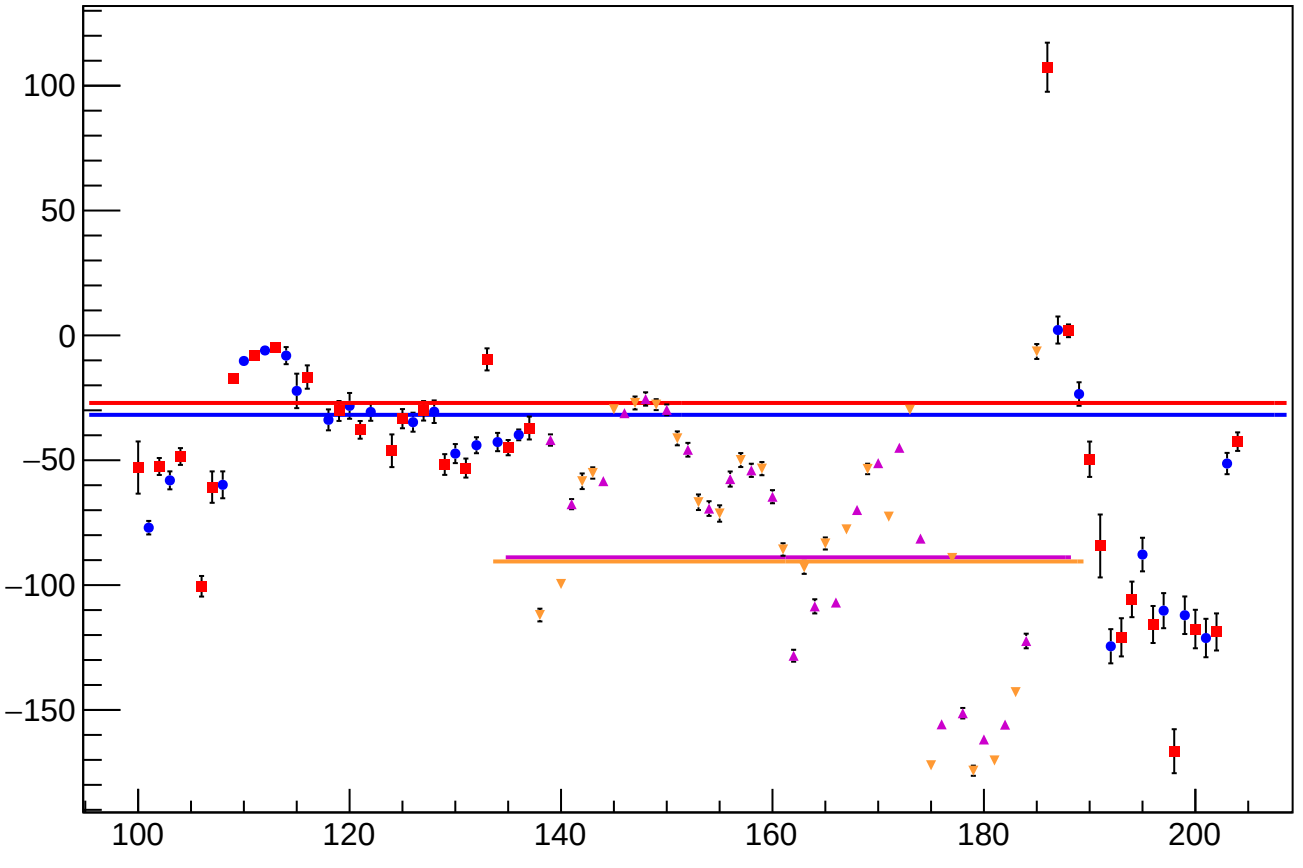
Left: 0.190+/-0.005 χ^2/NDF: 1584.4/47

Right: -0.474+/-0.020 χ^2/NDF: 2166.5/53

In: 0.160+/-0.006 χ^2/NDF:2150.1/46

Out: 0.150+/-0.006 χ^2/NDF:2649.9/54

All: 0.155+/-0.005 χ^2/NDF: 4801.1/101



Right In: -31.815+/-0.687 χ^2/NDF: 1611.7/23

Left Out: -90.534+/-0.421 χ^2/NDF:15358.6/24

Right Out: -27.059+/-0.615 χ^2/NDF: 2325.5/29

Left In: -88.888+/-0.435 χ^2/NDF:11815.7/22

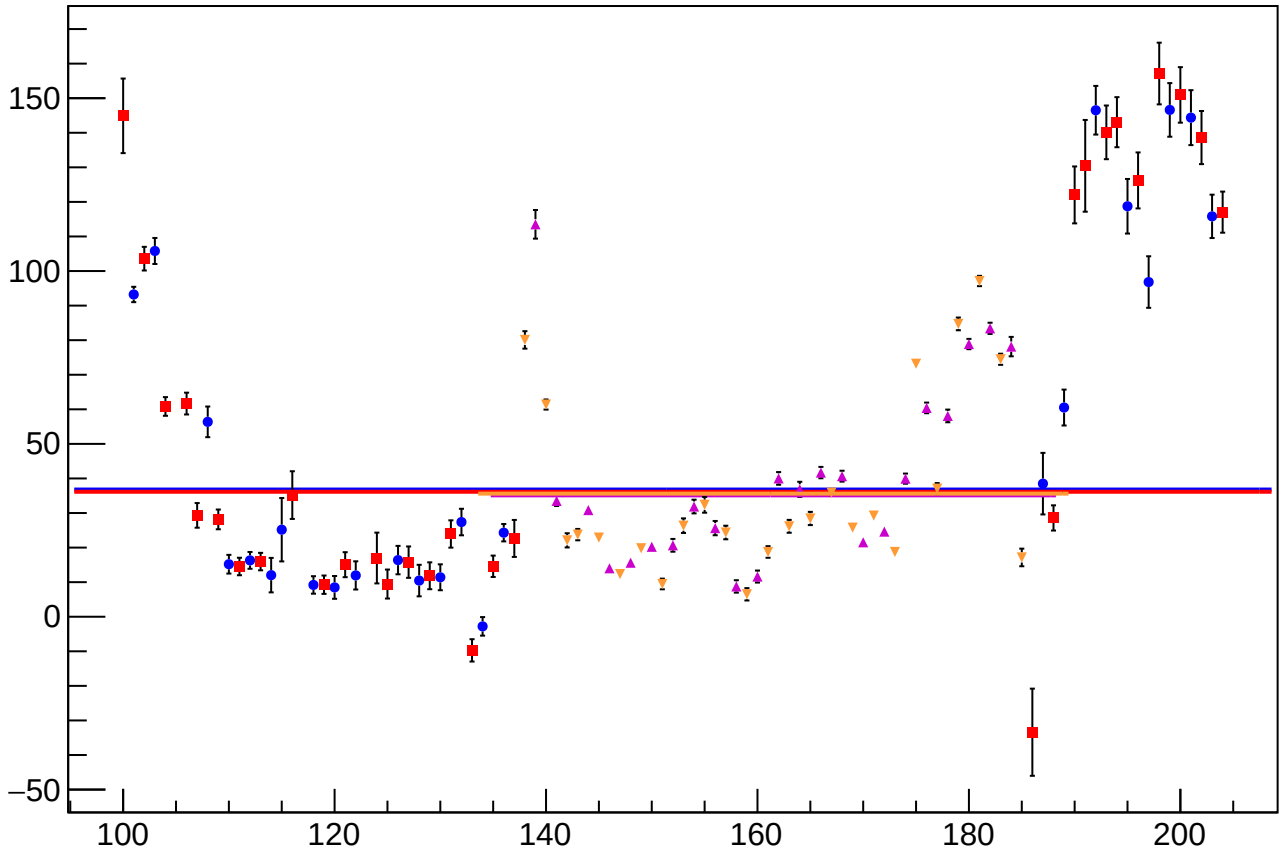
Left: -89.736+/-0.302 χ^2/NDF: 27181.7/47

Right: -29.177+/-0.458 χ^2/NDF: 3963.8/53

In: -72.566+/-0.367 χ^2/NDF:18361.4/46

Out: -70.274+/-0.348 χ^2/NDF:24929.9/54

All: -71.358+/-0.252 χ^2/NDF: 43311.8/101



Right In: 36.793+/-0.768 χ^2/NDF: 2724.2/23

Left Out: 35.612+/-0.326 χ^2/NDF:5973.0/24

Right Out: 36.154+/-0.745 χ^2/NDF: 2762.5/29

Left In: 35.112+/-0.336 χ^2/NDF:4144.4/22

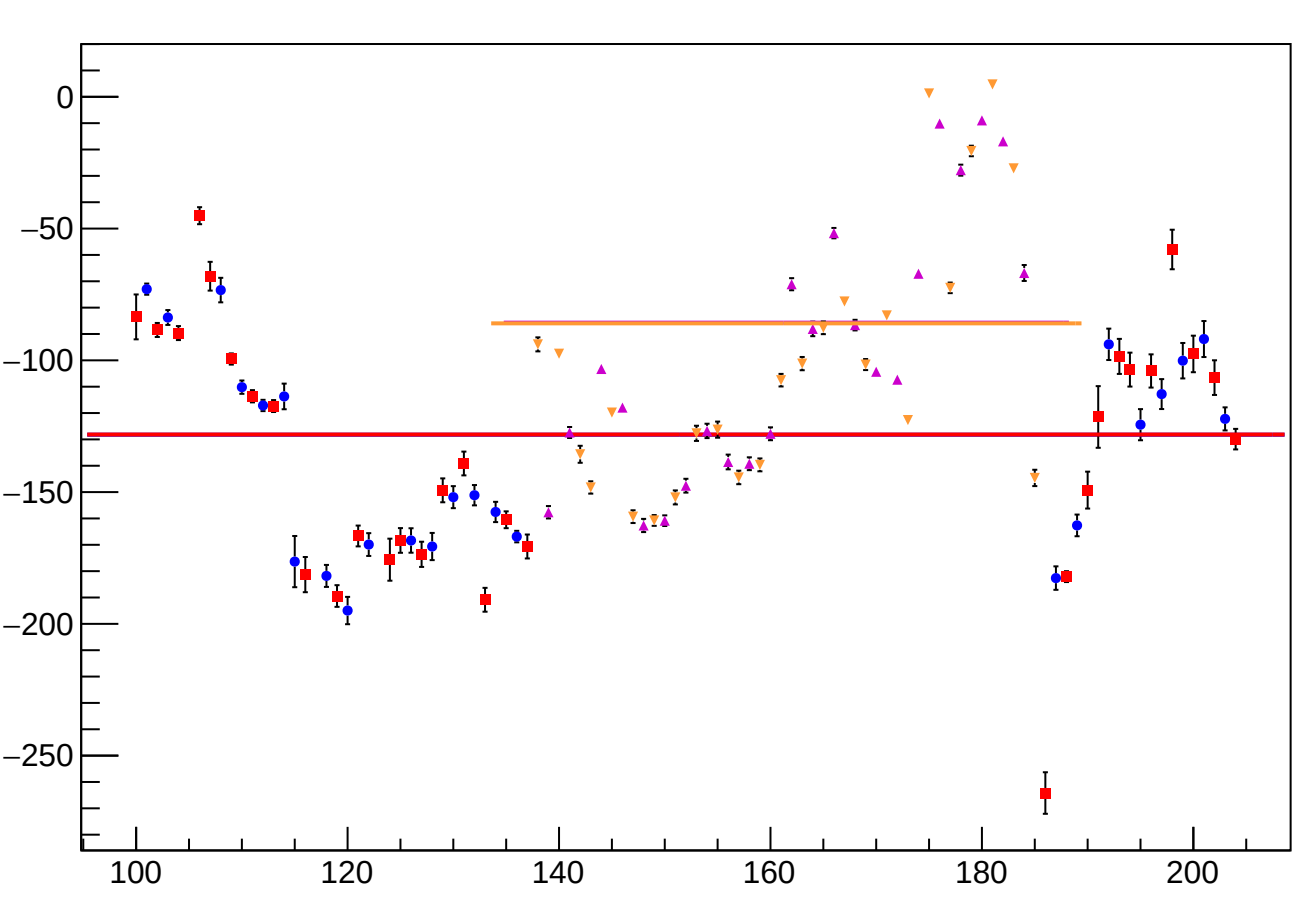
Left: 35.370+/-0.234 χ^2/NDF: 10118.6/47

Right: 36.464+/-0.535 χ^2/NDF: 5487.0/53

In: 35.382+/-0.308 χ^2/NDF:6872.6/46

Out: 35.699+/-0.298 χ^2/NDF:8735.9/54

All: 35.546+/-0.214 χ^2/NDF: 15609.1/101



Right In: -128.228+/-0.757 χ^2/NDF: 2487.5/23

Left Out: -85.969+/-0.421 χ^2/NDF:16232.5/24

Right Out: -128.154+/-0.698 χ^2/NDF: 3633.7/29

Left In: -85.705+/-0.432 χ^2/NDF:13758.7/22

Left: -85.841+/-0.302 χ^2/NDF: 29991.4/47

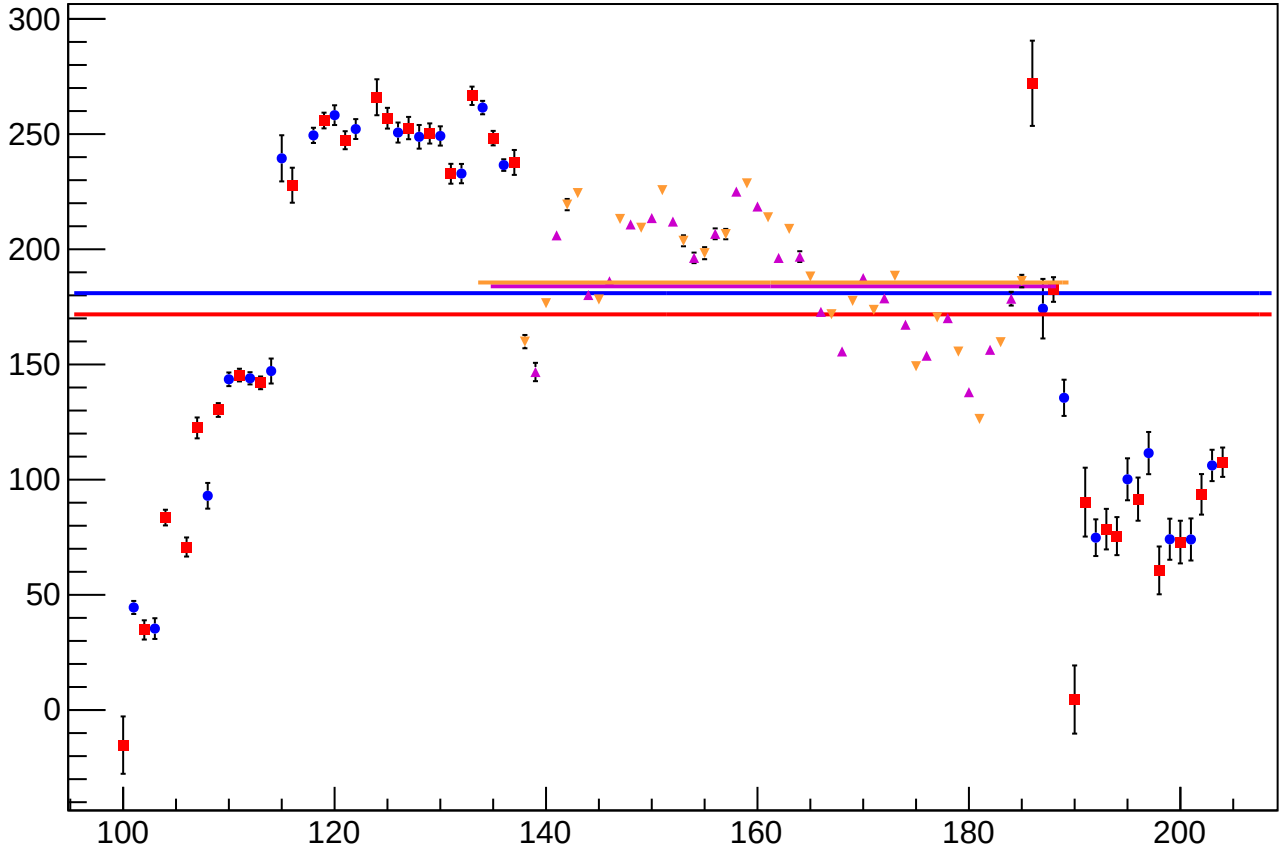
Right: -128.188+/-0.513 χ^2/NDF: 6121.2/53

In: -96.178+/-0.375 χ^2/NDF:18627.2/46

Out: -97.204+/-0.360 χ^2/NDF:22542.6/54

All: -96.712+/-0.260 χ^2/NDF: 41173.7/101

reg_asym_sam4_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 180.951+/-0.879 χ^2/NDF: 7928.1/23

Left Out: 185.583+/-0.367 χ^2/NDF:5354.7/24

Right Out: 171.746+/-0.858 χ^2/NDF: 7653.2/29

Left In: 183.940+/-0.378 χ^2/NDF:3873.5/22

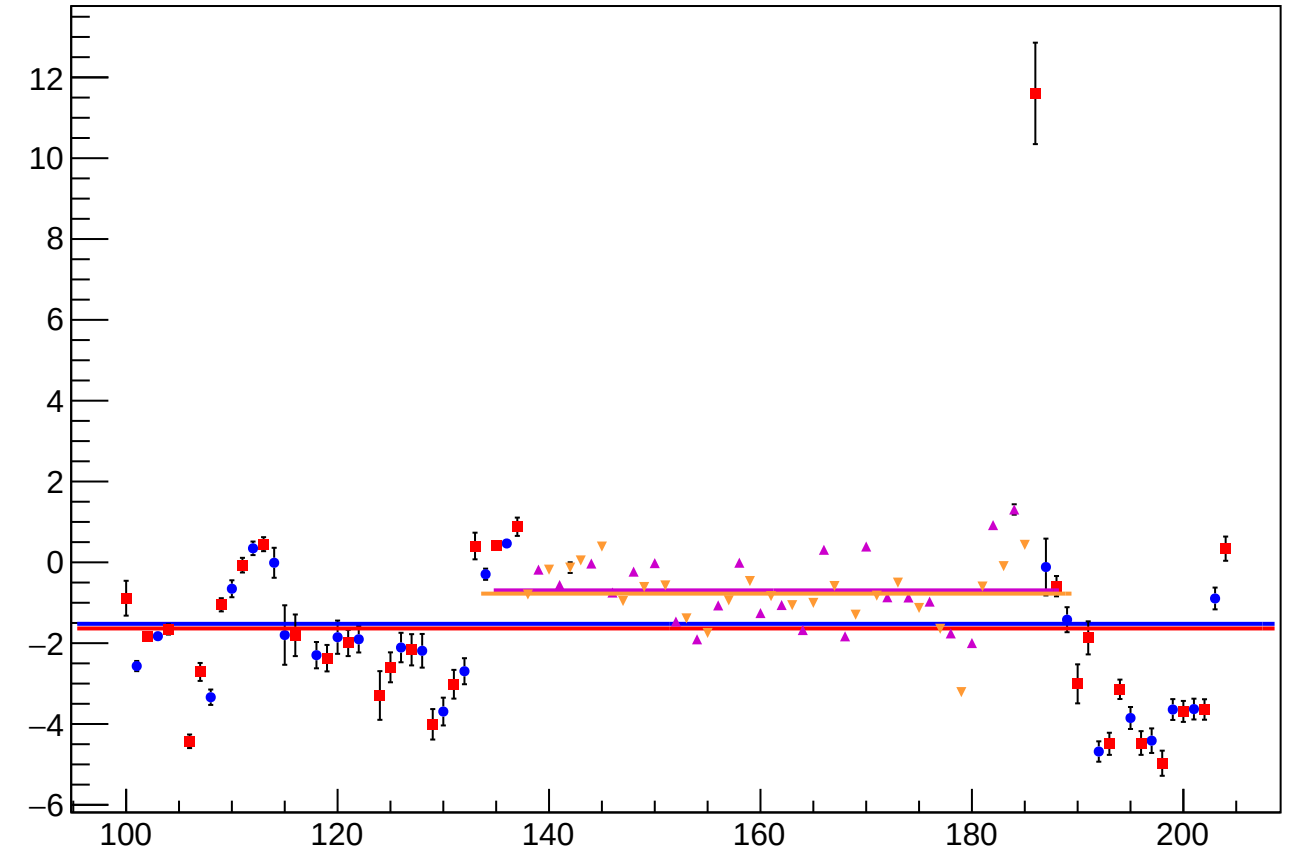
Left: 184.786+/-0.263 χ^2/NDF: 9238.0/47

Right: 176.240+/-0.614 χ^2/NDF: 15637.4/53

In: 183.474+/-0.347 χ^2/NDF:11811.3/46

Out: 183.447+/-0.337 χ^2/NDF:13227.6/54

All: 183.460+/-0.242 χ^2/NDF: 25039.0/101



Right In: -1.521+/-0.043 χ^2/NDF: 1314.5/23

Left Out: -0.774+/-0.016 χ^2/NDF:1822.9/24

Right Out: -1.636+/-0.042 χ^2/NDF: 1713.4/29

Left In: -0.694+/-0.017 χ^2/NDF:2565.3/22

Left: -0.735+/-0.012 χ^2/NDF: 4399.9/47

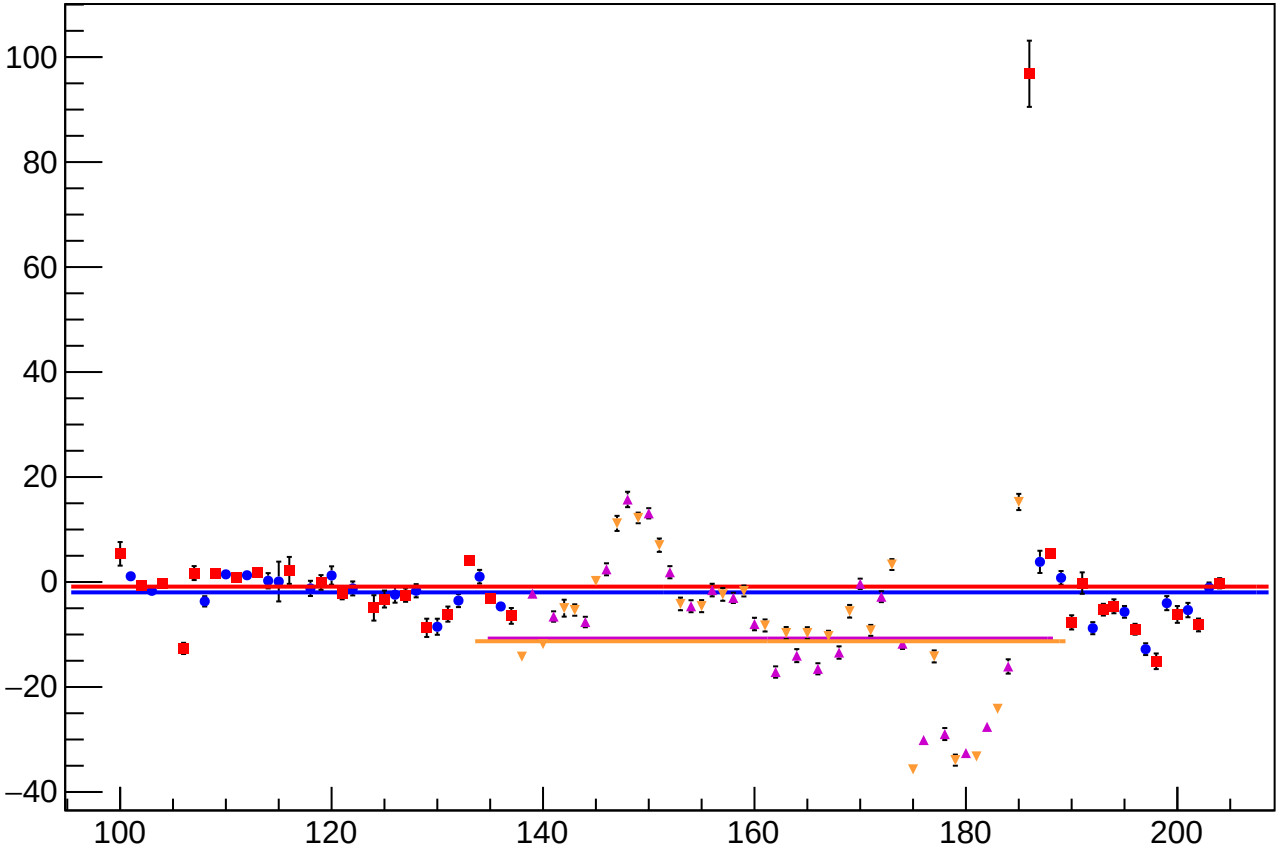
Right: -1.581+/-0.030 χ^2/NDF: 3031.5/53

In: -0.801+/-0.016 χ^2/NDF:4195.9/46

Out: -0.888+/-0.015 χ^2/NDF:3900.6/54

All: -0.846+/-0.011 χ^2/NDF: 8112.2/101

reg_asym_sam5_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -1.974+/-0.219 χ^2/NDF: 279.4/23

Left Out: -11.283+/-0.208 χ^2/NDF:4500.3/24

Right Out: -0.878+/-0.188 χ^2/NDF: 881.8/29

Left In: -10.776+/-0.213 χ^2/NDF:3699.2/22

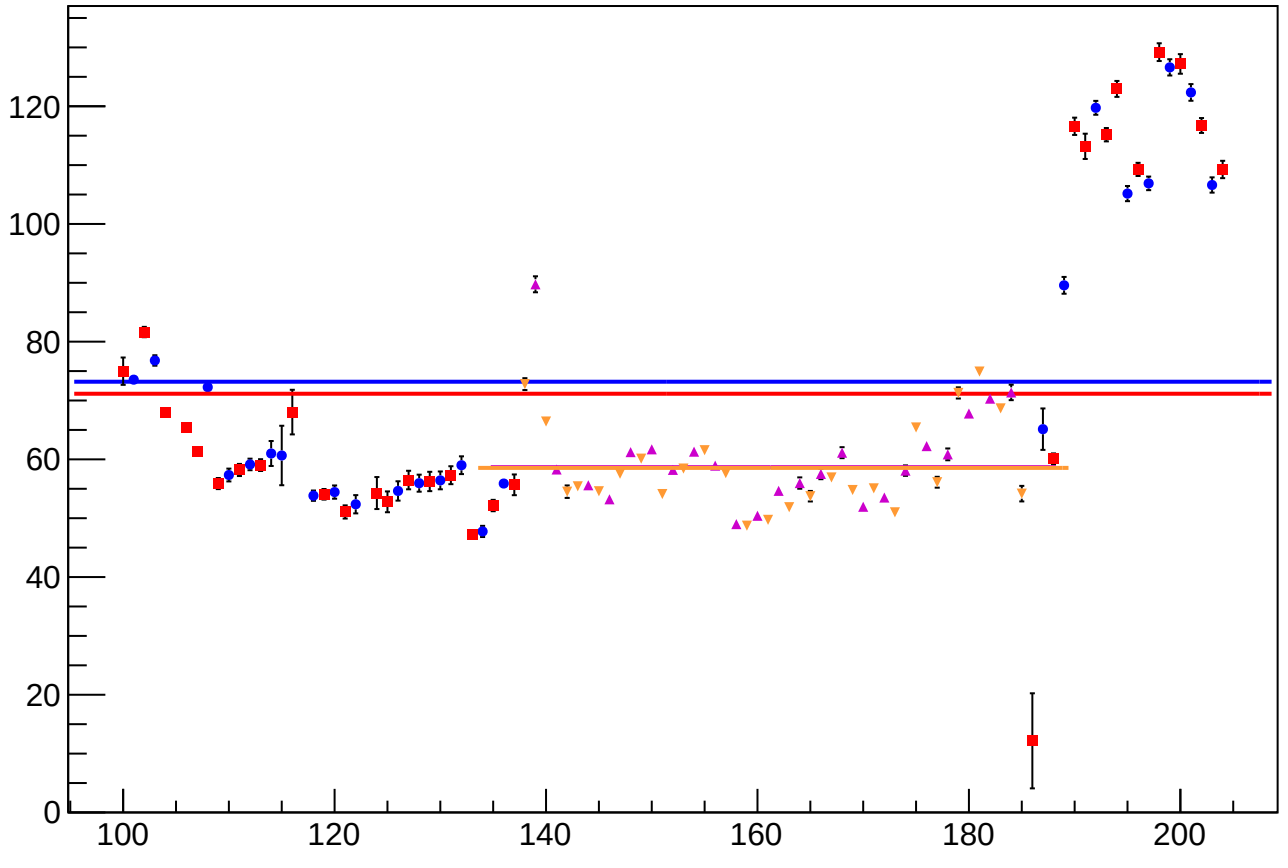
Left: -11.036+/-0.149 χ^2/NDF: 8202.4/47

Right: -1.344+/-0.143 χ^2/NDF: 1175.7/53

In: -6.485+/-0.153 χ^2/NDF:4808.3/46

Out: -5.557+/-0.139 χ^2/NDF:6759.6/54

All: -5.979+/-0.103 χ^2/NDF: 11587.9/101



Right In: 73.192+/-0.233 χ^2/NDF: 9570.5/23

Left Out: 58.550+/-0.161 χ^2/NDF:1902.5/24

Right Out: 71.150+/-0.210 χ^2/NDF: 14055.1/29

Left In: 58.679+/-0.168 χ^2/NDF:1613.4/22

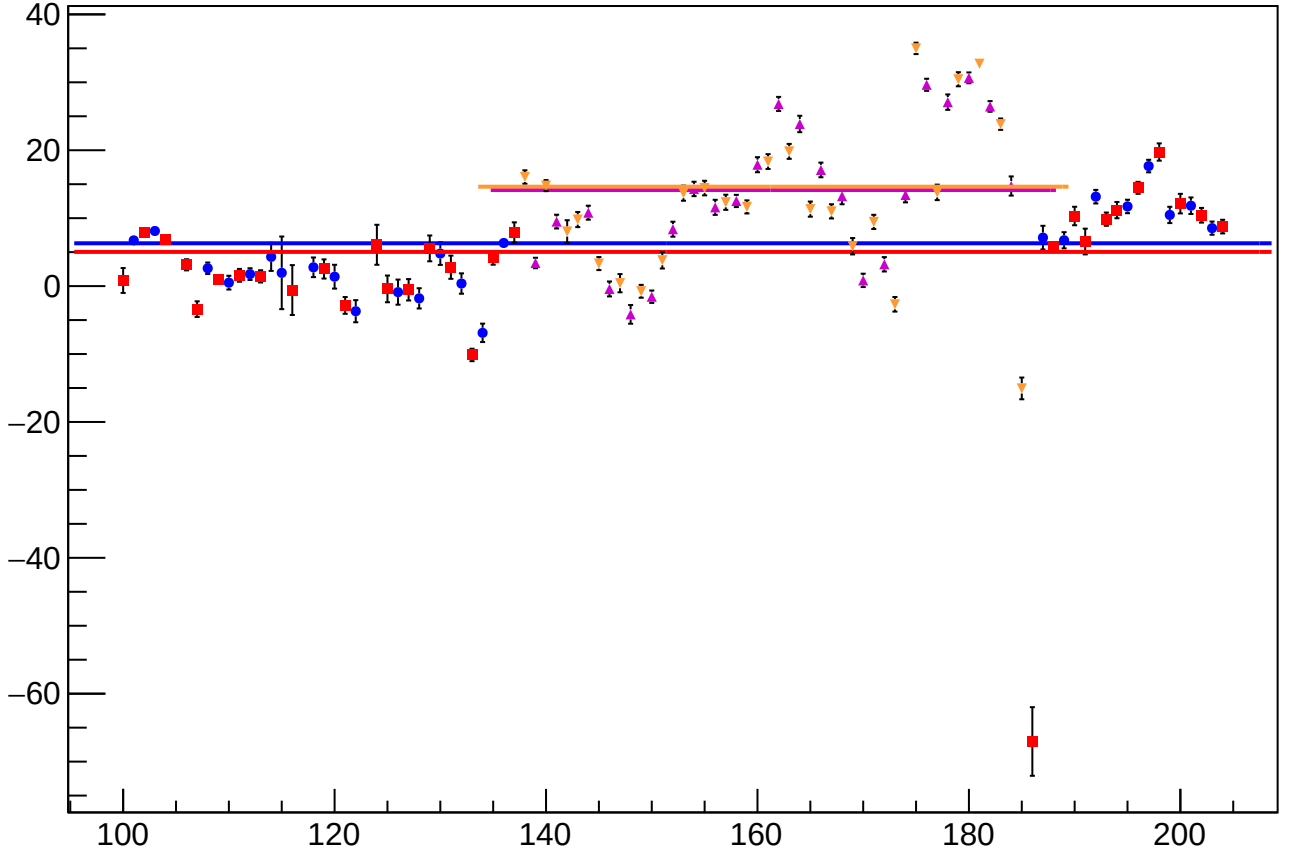
Left: 58.612+/-0.116 χ^2/NDF: 3516.3/47

Right: 72.066+/-0.156 χ^2/NDF: 23668.1/53

In: 63.664+/-0.136 χ^2/NDF:13736.1/46

Out: 63.220+/-0.128 χ^2/NDF:18223.1/54

All: 63.428+/-0.093 χ^2/NDF: 31964.9/101



Right In: 6.304+/-0.219 χ^2/NDF: 561.7/23

Left Out: 14.634+/-0.207 χ^2/NDF:2962.1/24

Right Out: 5.036+/-0.191 χ^2/NDF: 1082.4/29

Left In: 14.146+/-0.211 χ^2/NDF:2541.2/22

Left: 14.395+/-0.148 χ^2/NDF: 5506.0/47

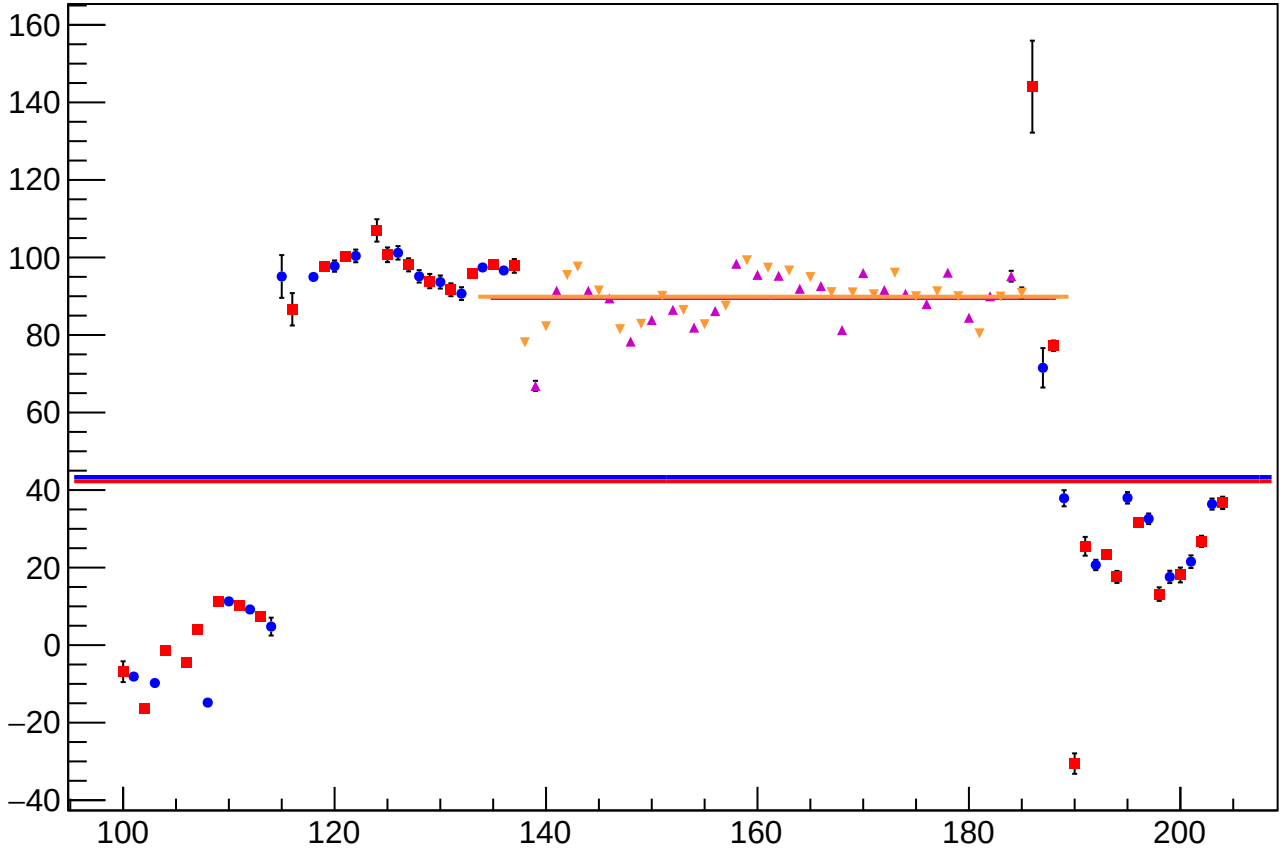
Right: 5.585+/-0.144 χ^2/NDF: 1663.1/53

In: 10.366+/-0.152 χ^2/NDF:3767.0/46

Out: 9.468+/-0.140 χ^2/NDF:5205.2/54

All: 9.881+/-0.103 χ^2/NDF: 8991.0/101

reg_asym_sam5_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 43.363+/-0.271 χ^2/NDF: 27930.9/23

Left Out: 89.875+/-0.181 χ^2/NDF:1065.4/24

Right Out: 42.266+/-0.247 χ^2/NDF: 31737.0/29

Left In: 89.541+/-0.188 χ^2/NDF:1095.3/22

Left: 89.714+/-0.130 χ^2/NDF: 2162.3/47

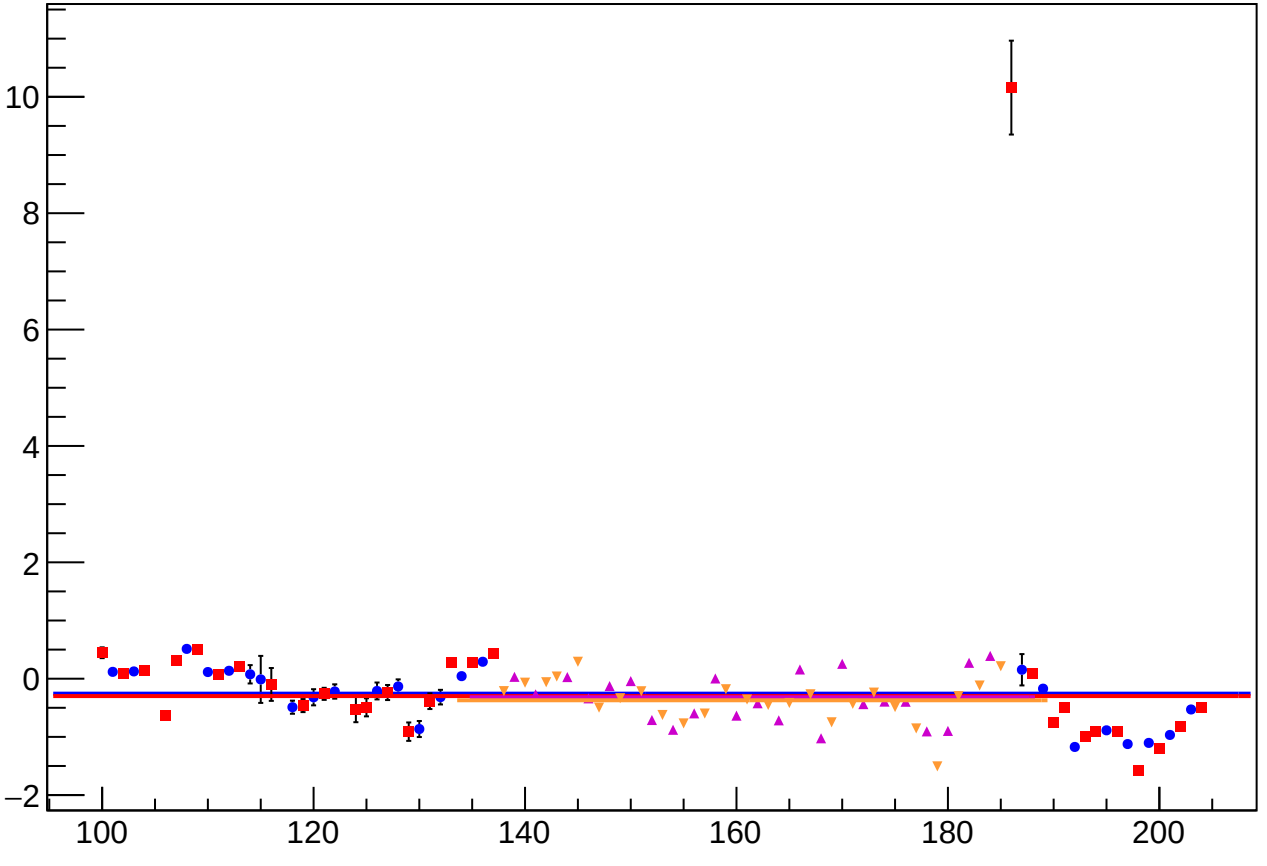
Right: 42.765+/-0.183 χ^2/NDF: 59676.9/53

In: 74.583+/-0.154 χ^2/NDF:48666.7/46

Out: 73.279+/-0.146 χ^2/NDF:56913.8/54

All: 73.896+/-0.106 χ^2/NDF: 105618.2/101

reg_asym_sam5_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.257+/-0.011 χ^2/NDF: 2885.8/23

Left Out: -0.371+/-0.008 χ^2/NDF:1769.5/24

Right Out: -0.299+/-0.010 χ^2/NDF: 3456.9/29

Left In: -0.319+/-0.008 χ^2/NDF:2441.1/22

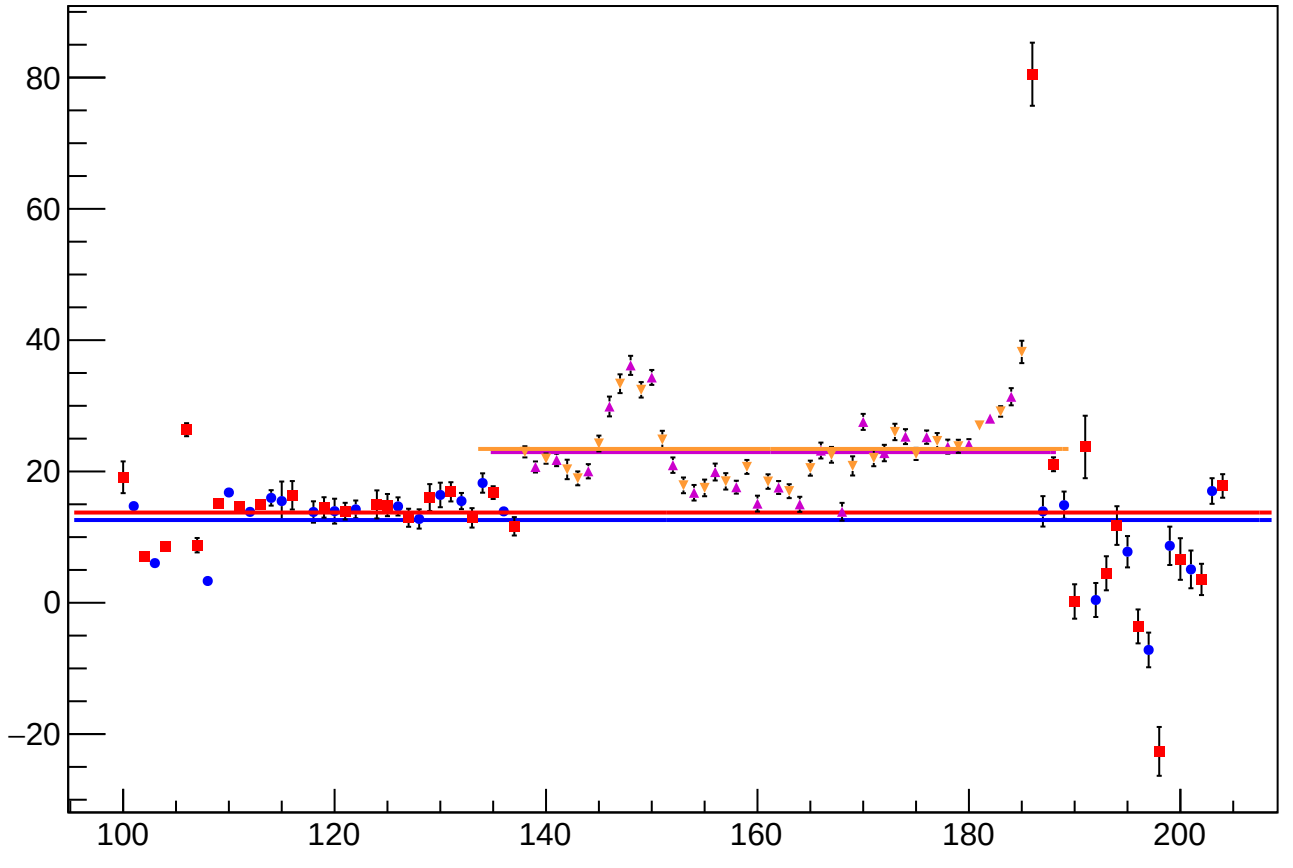
Left: -0.345+/-0.006 χ^2/NDF: 4230.8/47

Right: -0.279+/-0.008 χ^2/NDF: 6350.3/53

In: -0.298+/-0.007 χ^2/NDF:5347.6/46

Out: -0.343+/-0.006 χ^2/NDF:5256.8/54

All: -0.321+/-0.005 χ^2/NDF: 10629.8/101



Right In: 12.601+/-0.208 χ^2/NDF: 486.8/23

Left Out: 23.431+/-0.216 χ^2/NDF:427.8/24

Right Out: 13.744+/-0.195 χ^2/NDF: 858.5/29

Left In: 22.949+/-0.225 χ^2/NDF:565.2/22

Left: 23.201+/-0.156 χ^2/NDF: 995.5/47

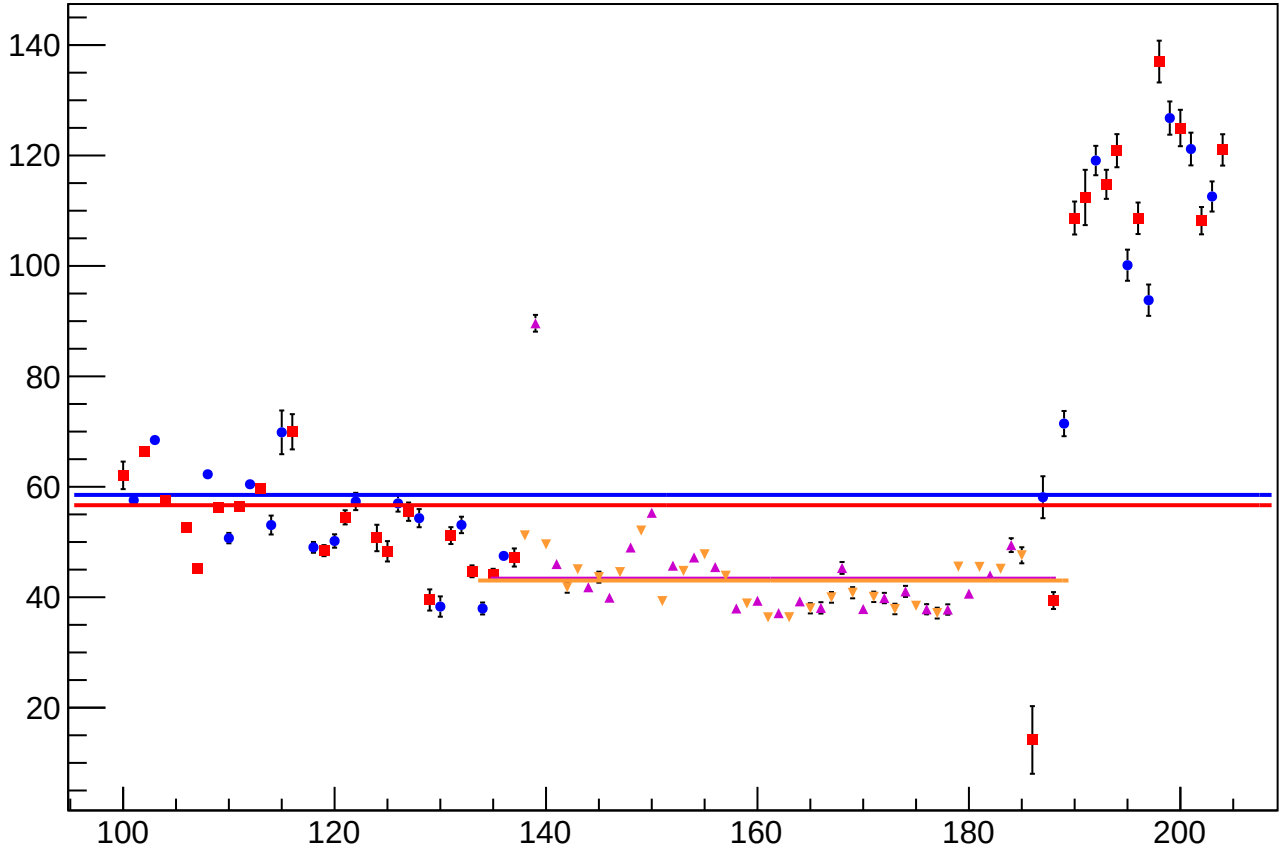
Right: 13.207+/-0.142 χ^2/NDF: 1361.3/53

In: 17.350+/-0.153 χ^2/NDF:2192.7/46

Out: 18.106+/-0.145 χ^2/NDF:2393.6/54

All: 17.748+/-0.105 χ^2/NDF: 4599.2/101

reg_asym_sam6_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 58.532+/-0.217 χ^2/NDF: 3452.3/23

Left Out: 43.029+/-0.167 χ^2/NDF:780.7/24

Right Out: 56.667+/-0.217 χ^2/NDF: 4840.8/29

Left In: 43.361+/-0.177 χ^2/NDF:1683.3/22

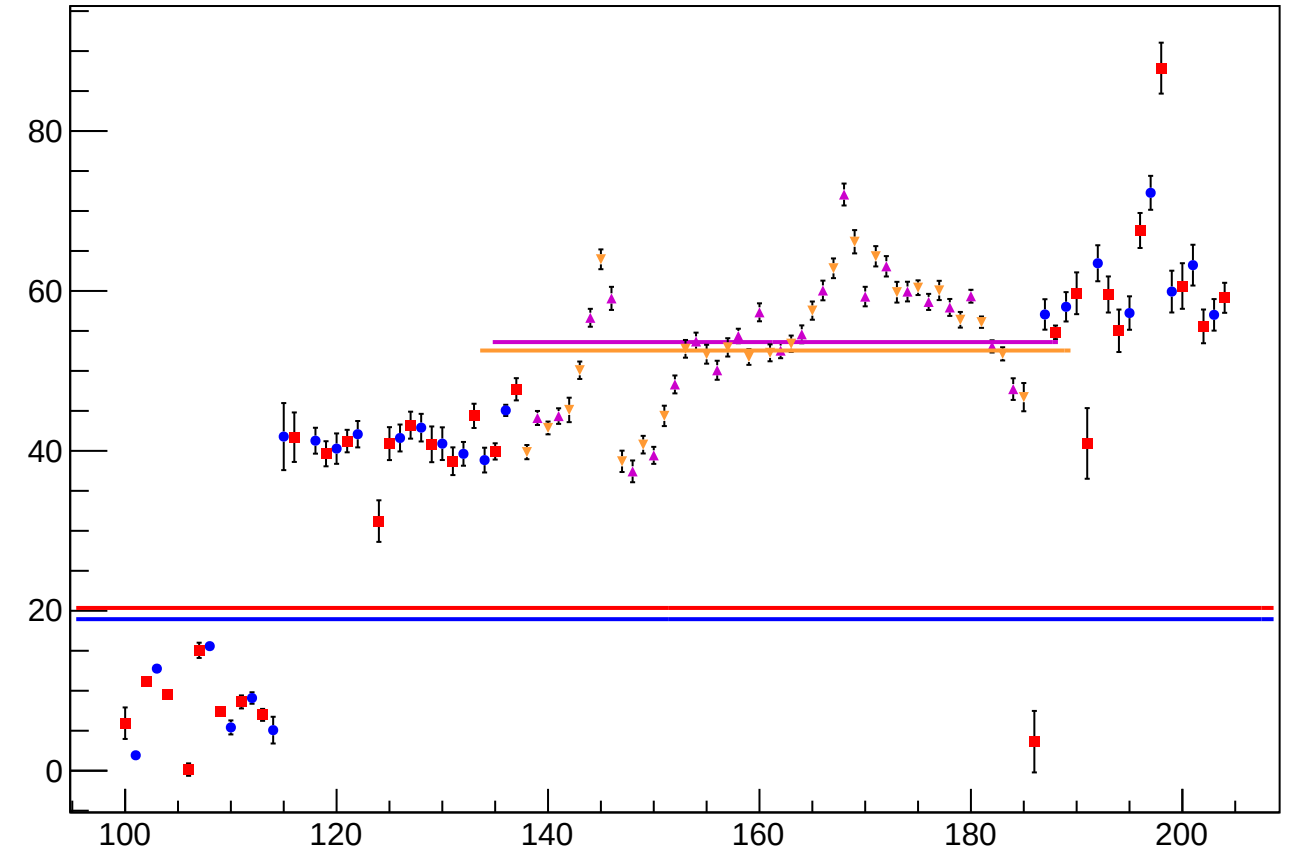
Left: 43.186+/-0.122 χ^2/NDF: 2465.8/47

Right: 57.601+/-0.153 χ^2/NDF: 8330.1/53

In: 49.441+/-0.137 χ^2/NDF:8077.6/46

Out: 48.118+/-0.132 χ^2/NDF:8101.2/54

All: 48.757+/-0.095 χ^2/NDF: 16227.1/101



Right In: 18.952+/-0.206 χ^2/NDF: 8556.7/23

Left Out: 52.550+/-0.215 χ^2/NDF:1186.2/24

Right Out: 20.356+/-0.205 χ^2/NDF: 8596.8/29

Left In: 53.605+/-0.223 χ^2/NDF:1015.9/22

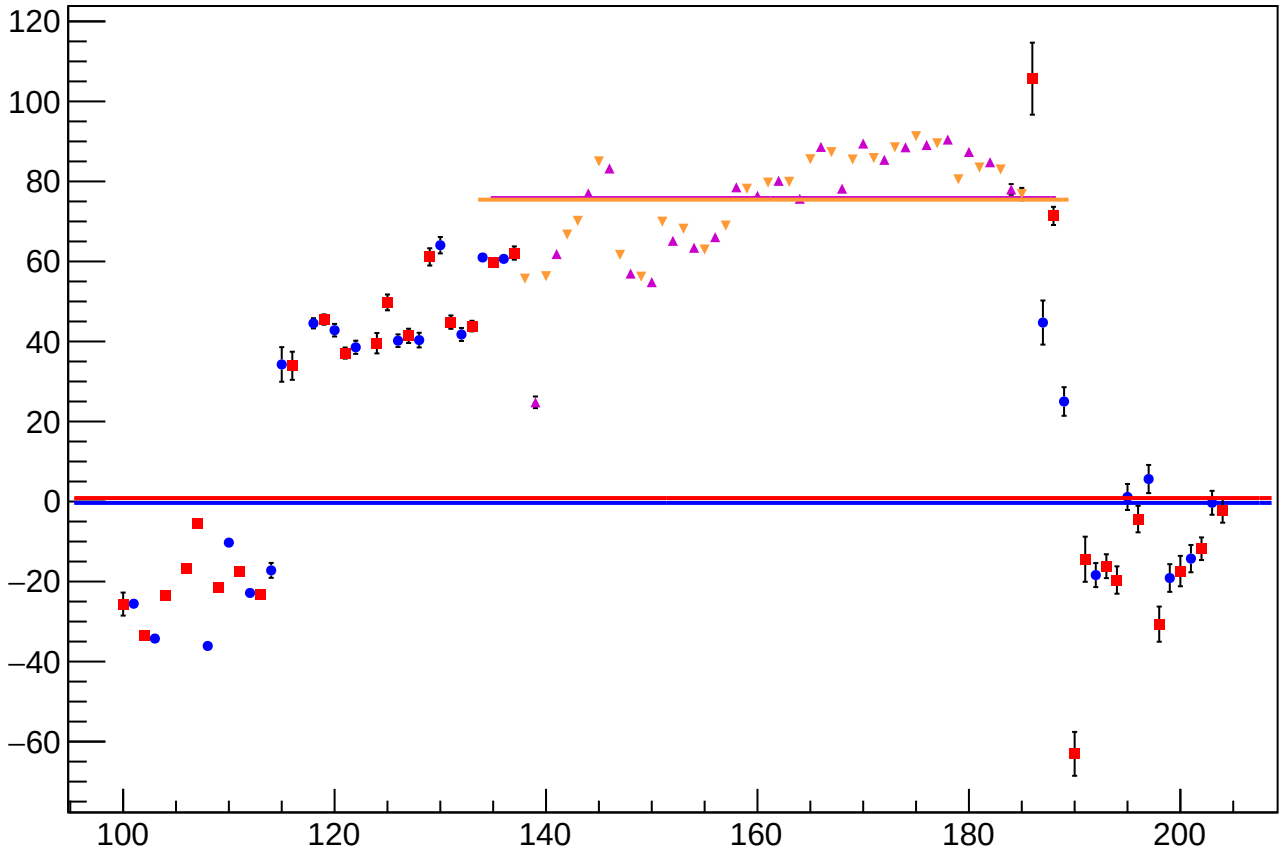
Left: 53.057+/-0.155 χ^2/NDF: 2213.7/47

Right: 19.656+/-0.145 χ^2/NDF: 17176.9/53

In: 34.897+/-0.151 χ^2/NDF:22620.9/46

Out: 35.738+/-0.148 χ^2/NDF:21537.5/54

All: 35.326+/-0.106 χ^2/NDF: 44174.1/101



Right In: -0.342+/-0.256 χ^2/NDF: 21233.1/23

Left Out: 75.448+/-0.188 χ^2/NDF:3469.1/24

Right Out: 0.869+/-0.256 χ^2/NDF: 17438.4/29

Left In: 75.844+/-0.197 χ^2/NDF:4265.6/22

Left: 75.637+/-0.136 χ^2/NDF: 7736.7/47

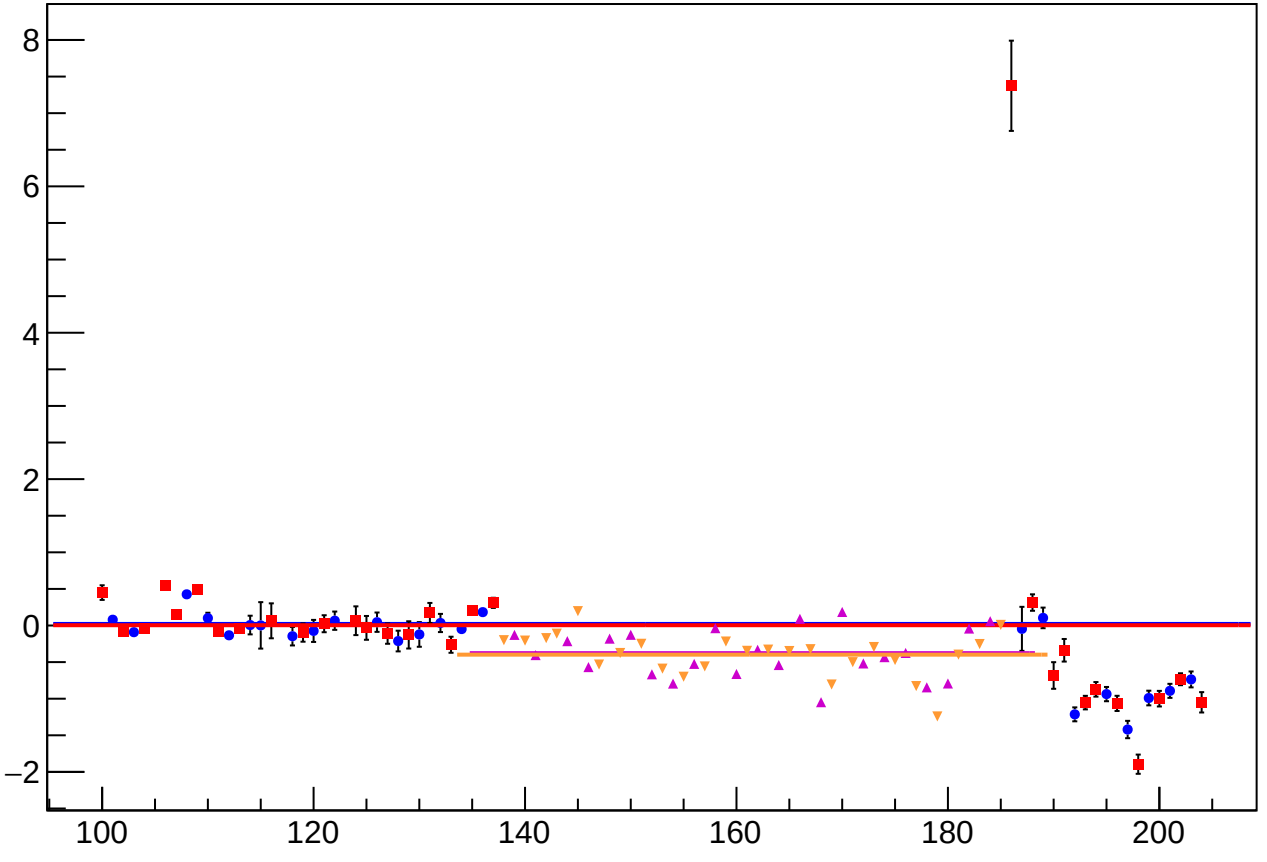
Right: 0.263+/-0.181 χ^2/NDF: 38682.7/53

In: 47.398+/-0.156 χ^2/NDF:81194.6/46

Out: 49.207+/-0.152 χ^2/NDF:76078.7/54

All: 48.329+/-0.109 χ^2/NDF: 157342.3/101

reg_asym_sam6_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.021+/-0.011 χ^2/NDF: 999.8/23

Left Out: -0.398+/-0.008 χ^2/NDF:1031.5/24

Right Out: 0.004+/-0.011 χ^2/NDF: 1378.3/29

Left In: -0.378+/-0.009 χ^2/NDF:1351.5/22

Left: -0.388+/-0.006 χ^2/NDF: 2386.0/47

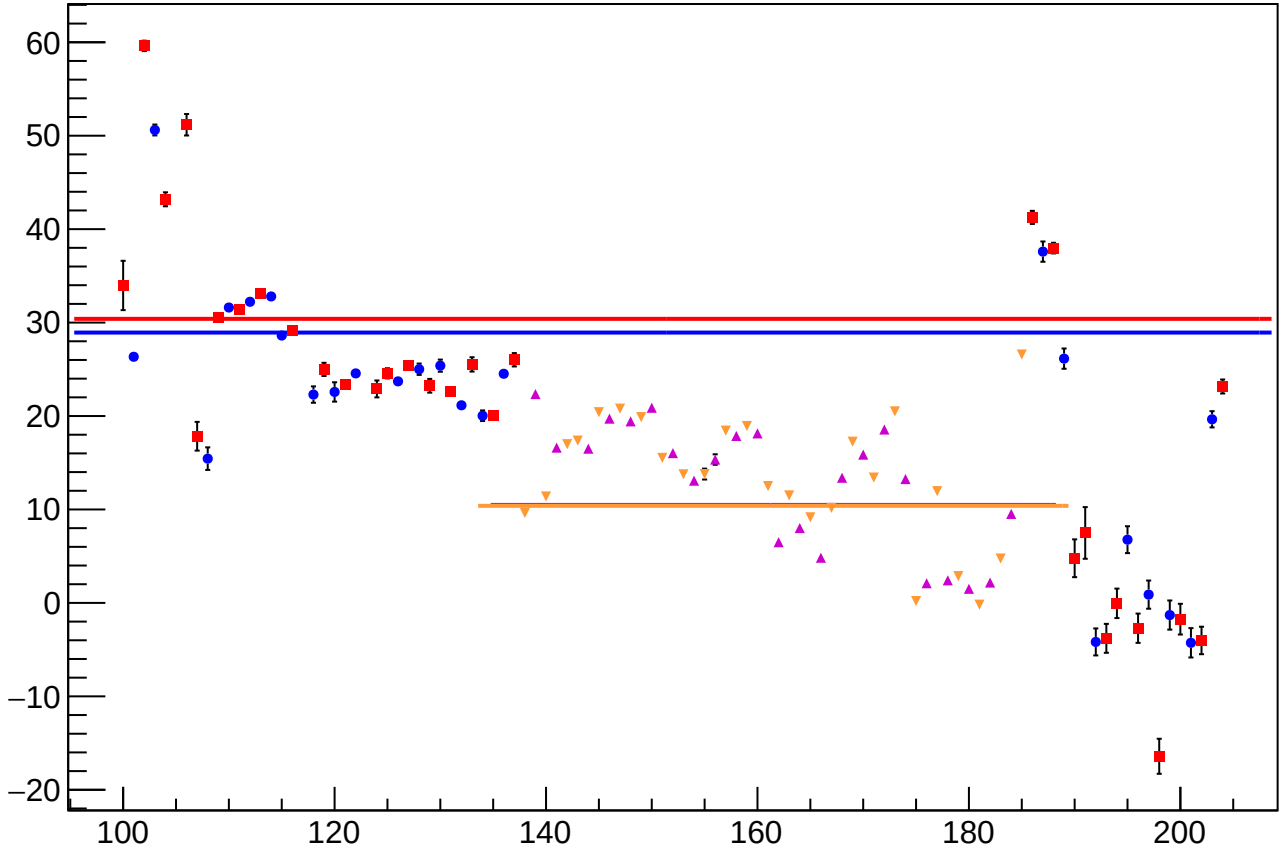
Right: 0.013+/-0.008 χ^2/NDF: 2379.4/53

In: -0.223+/-0.007 χ^2/NDF:3187.6/46

Out: -0.247+/-0.007 χ^2/NDF:3269.7/54

All: -0.235+/-0.005 χ^2/NDF: 6463.9/101

reg_asym_sam7_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 28.932+/-0.090 χ^2/NDF: 5531.6/23

Left Out: 10.390+/-0.064 χ^2/NDF:13792.8/24

Right Out: 30.401+/-0.078 χ^2/NDF: 8701.4/29

Left In: 10.488+/-0.067 χ^2/NDF:11498.1/22

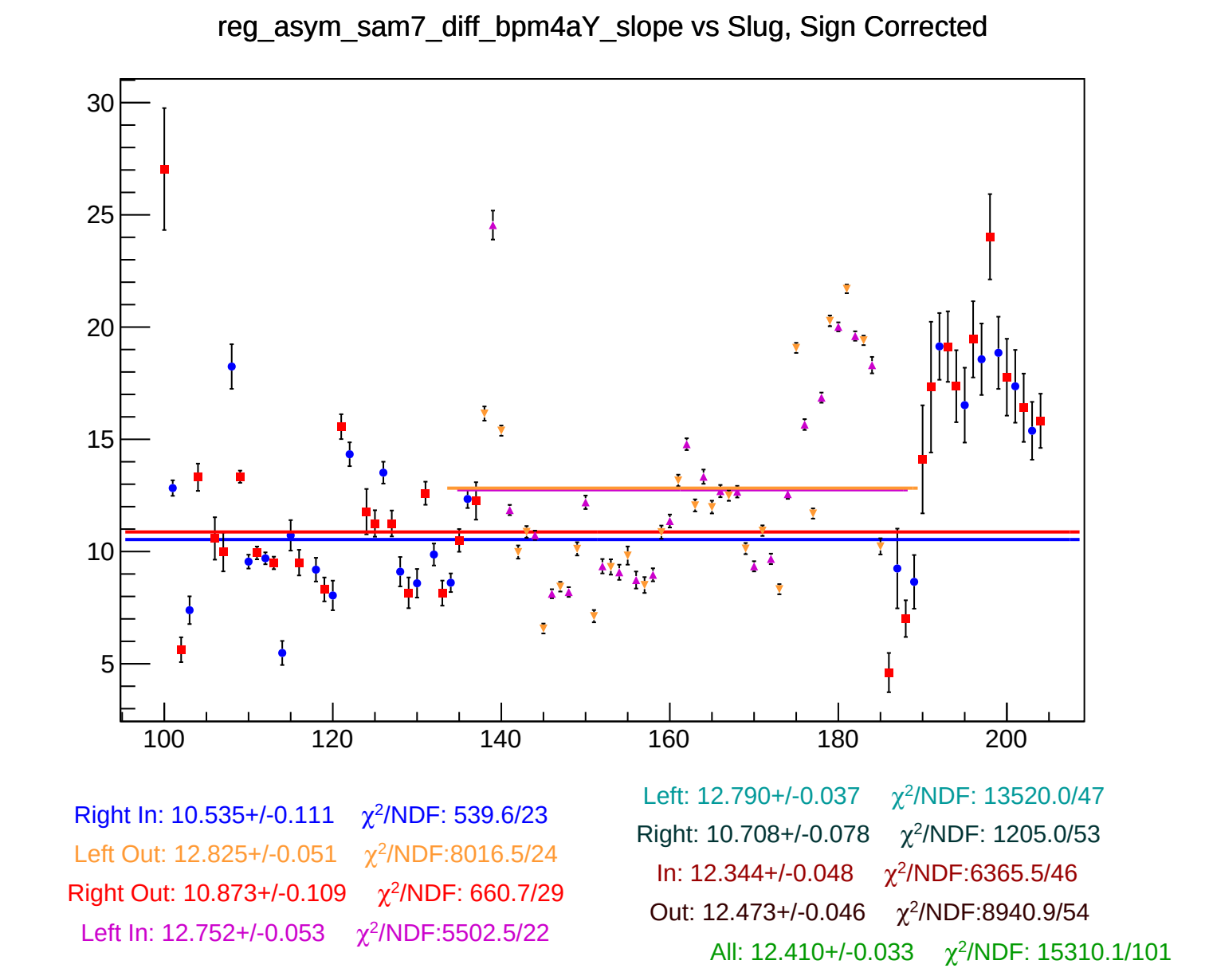
Left: 10.437+/-0.046 χ^2/NDF: 25292.1/47

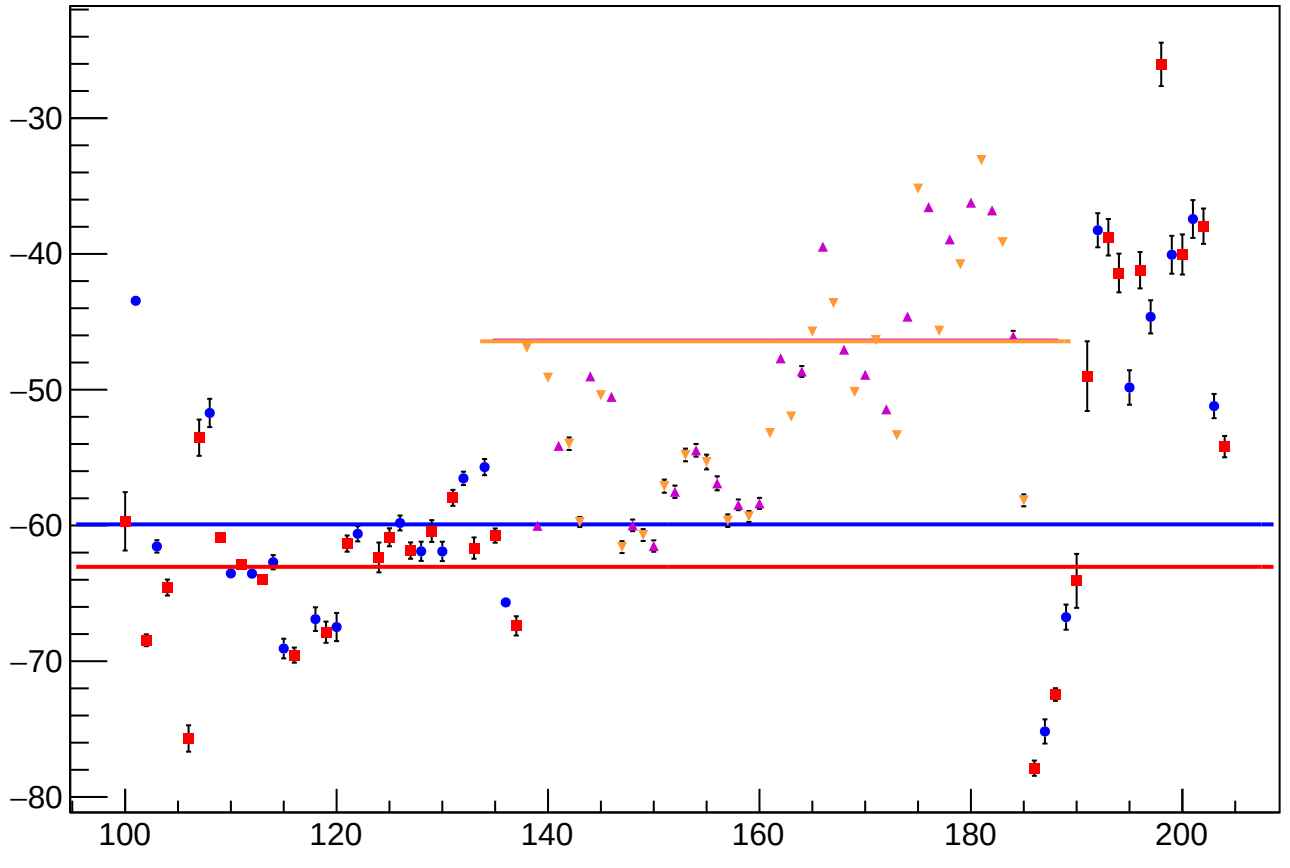
Right: 29.773+/-0.059 χ^2/NDF: 14385.6/53

In: 17.039+/-0.054 χ^2/NDF:44121.5/46

Out: 18.487+/-0.049 χ^2/NDF:61899.7/54

All: 17.821+/-0.036 χ^2/NDF: 106414.9/101


reg_asym_sam7_diff_bpm4aY_slope vs Slug, Sign Corrected
30
25
20
15
10
5
100
120
140
160
180
200
Right In: 10.535+/-0.111 χ2/NDF: 539.6/23
Left Out: 12.825+/-0.051 χ2/NDF:8016.5/24
Right Out: 10.873+/-0.109 χ2/NDF: 660.7/29
Left In: 12.752+/-0.053 χ2/NDF:5502.5/22
Left: 12.790+/-0.037 χ2/NDF: 13520.0/47
Right: 10.708+/-0.078 χ2/NDF: 1205.0/53
In: 12.344+/-0.048 χ2/NDF:6365.5/46
Out: 12.473+/-0.046 χ2/NDF:8940.9/54
All: 12.410+/-0.033 χ2/NDF: 15310.1/101



Right In: -59.921+/-0.109 χ^2/NDF: 5035.9/23

Left Out: -46.435+/-0.064 χ^2/NDF:18170.4/24

Right Out: -63.048+/-0.100 χ^2/NDF: 4084.8/29

Left In: -46.383+/-0.067 χ^2/NDF:15080.6/22

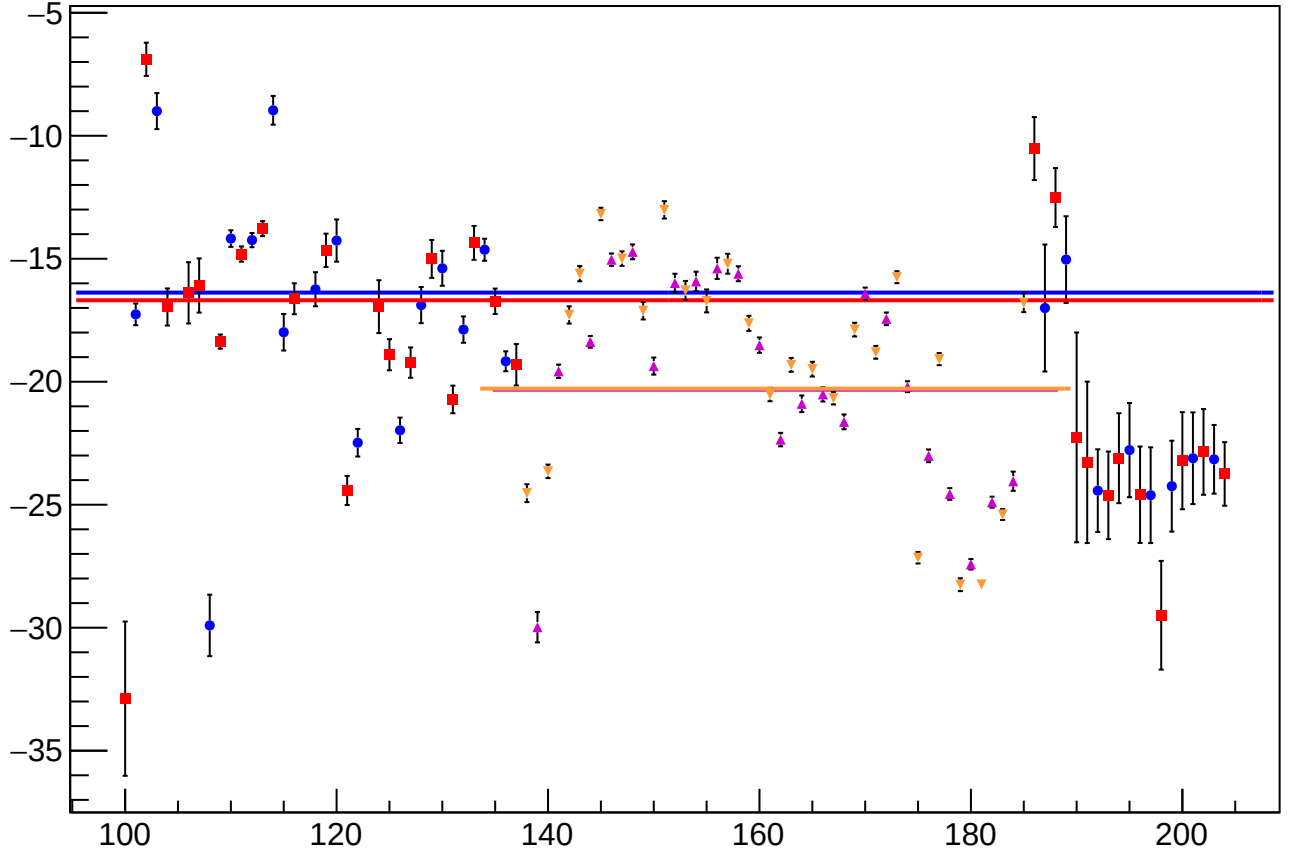
Left: -46.410+/-0.046 χ^2/NDF: 33251.4/47

Right: -61.611+/-0.074 χ^2/NDF: 9569.3/53

In: -50.104+/-0.057 χ^2/NDF:31406.1/46

Out: -51.302+/-0.054 χ^2/NDF:41737.1/54

All: -50.732+/-0.039 χ^2/NDF: 73376.1/101



Right In: -16.376+/-0.125 χ^2/NDF: 907.7/23

Left Out: -20.281+/-0.057 χ^2/NDF:7019.5/24

Right Out: -16.687+/-0.121 χ^2/NDF: 863.0/29

Left In: -20.324+/-0.059 χ^2/NDF:4272.7/22

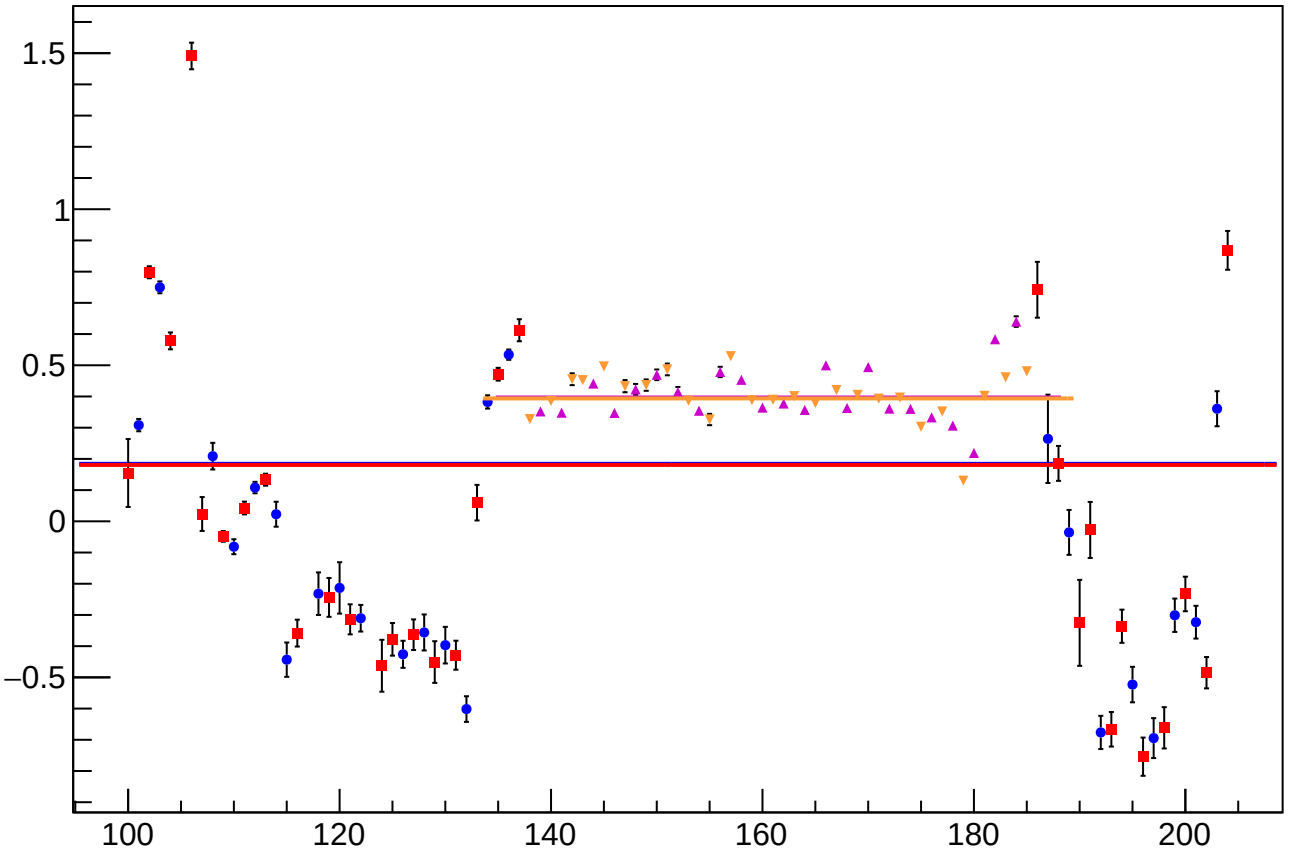
Left: -20.302+/-0.041 χ^2/NDF: 11292.4/47

Right: -16.536+/-0.087 χ^2/NDF: 1774.0/53

In: -19.601+/-0.053 χ^2/NDF:5999.1/46

Out: -19.629+/-0.052 χ^2/NDF:8602.4/54

All: -19.615+/-0.037 χ^2/NDF: 14601.6/101



Right In: 0.184+/-0.007 χ^2/NDF: 3490.6/23

Left Out: 0.394+/-0.003 χ^2/NDF:946.9/24

Right Out: 0.181+/-0.007 χ^2/NDF: 4792.0/29

Left In: 0.397+/-0.003 χ^2/NDF:1295.7/22

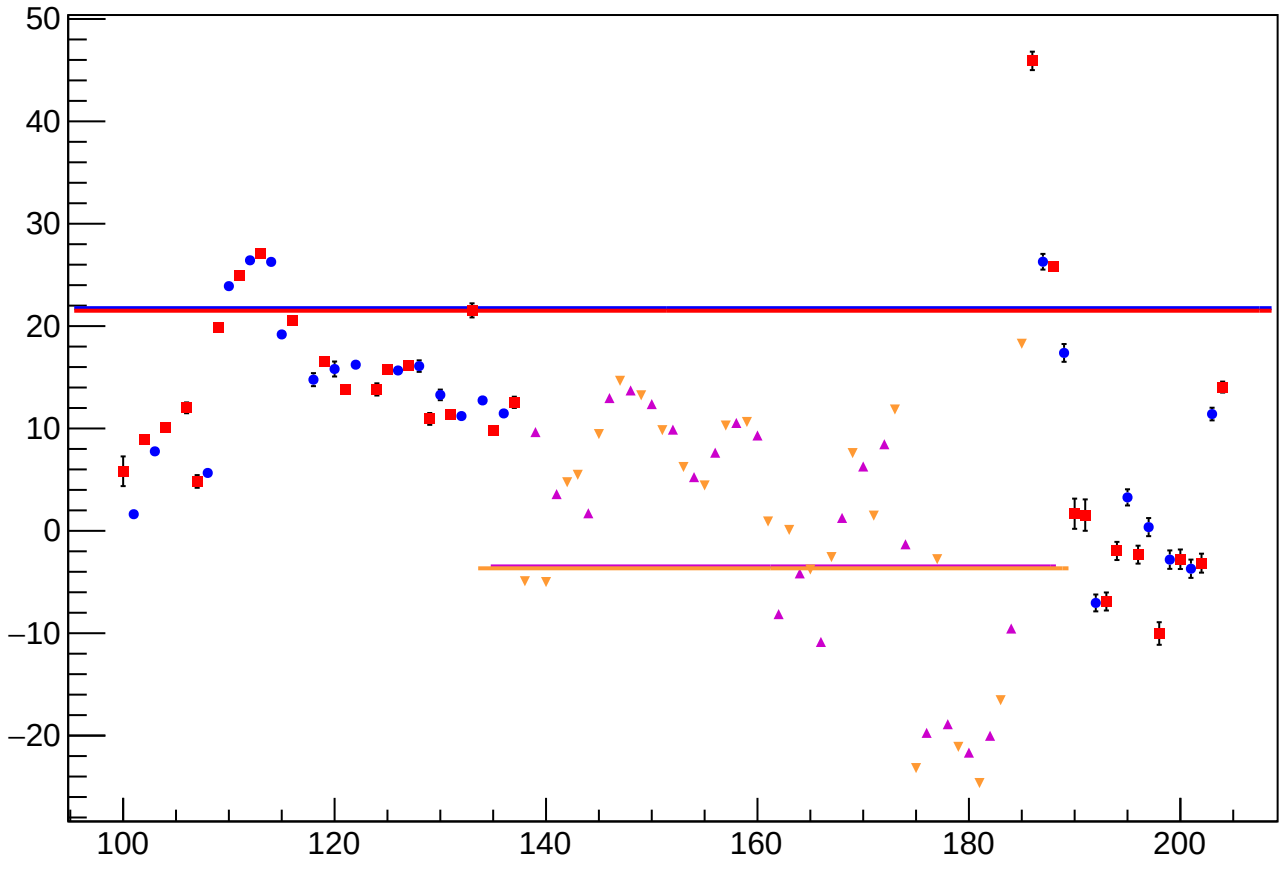
Left: 0.395+/-0.002 χ^2/NDF: 2243.2/47

Right: 0.182+/-0.005 χ^2/NDF: 8282.8/53

In: 0.368+/-0.002 χ^2/NDF:5656.2/46

Out: 0.366+/-0.002 χ^2/NDF:6634.8/54

All: 0.367+/-0.002 χ^2/NDF: 12291.4/101



Right In: 21.753+/-0.055 χ^2/NDF: 16700.9/23

Left Out: -3.660+/-0.055 χ^2/NDF:56739.4/24

Right Out: 21.502+/-0.045 χ^2/NDF: 16798.5/29

Left In: -3.475+/-0.057 χ^2/NDF:45103.9/22

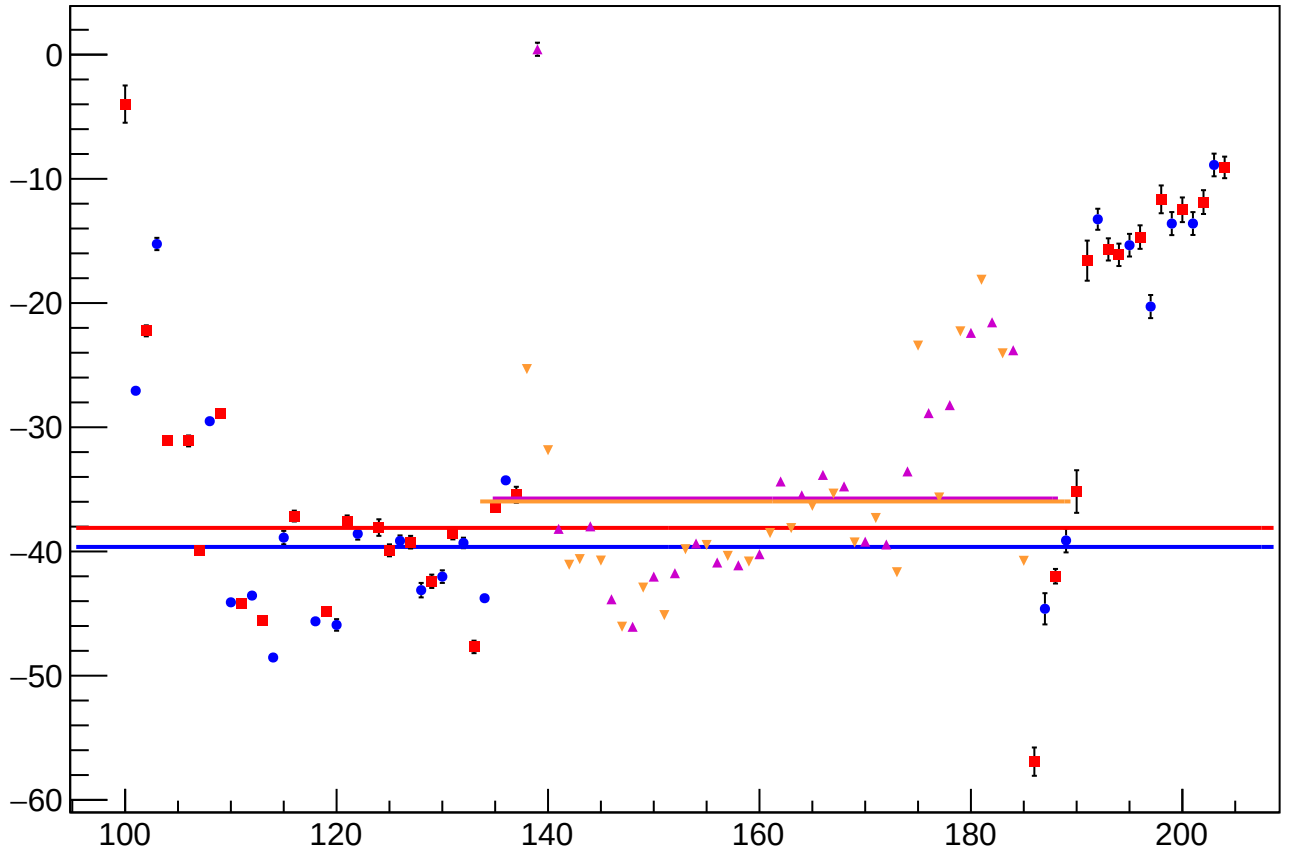
Left: -3.573+/-0.040 χ^2/NDF: 101848.8/47

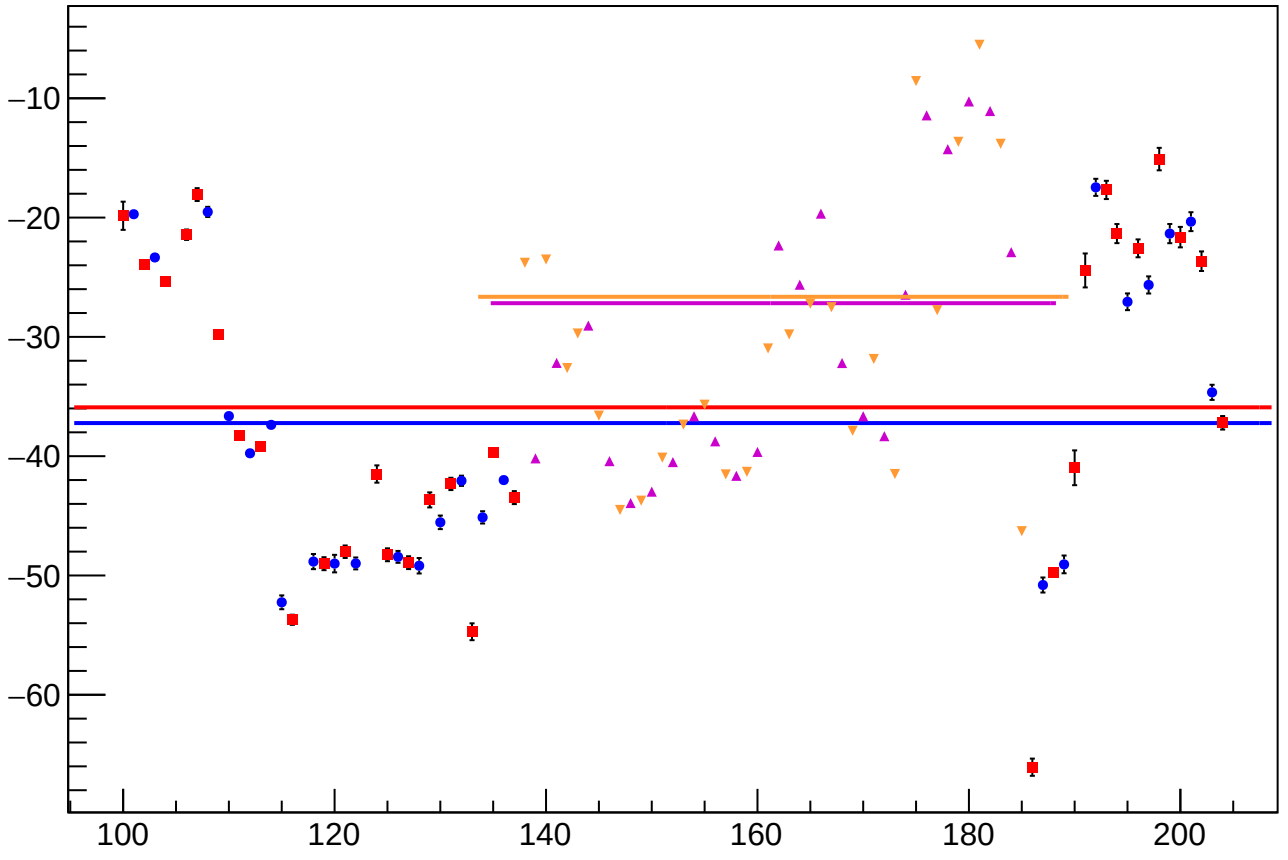
Right: 21.603+/-0.035 χ^2/NDF: 33511.6/53

In: 9.576+/-0.040 χ^2/NDF:161686.0/46

Out: 11.203+/-0.035 χ^2/NDF:199282.1/54

All: 10.498+/-0.026 χ^2/NDF: 361911.2/101


reg_asym_sam8_diff_bpm4aY_slope vs Slug, Sign Corrected
0
−10
−20
−30
−40
−50
−60
100
120
140
160
180
200
Right In: -39.635+/-0.075 χ²/NDF: 12827.5/23
Left Out: -35.973+/-0.042 χ²/NDF:33609.3/24
Right Out: -38.102+/-0.069 χ²/NDF: 15685.9/29
Left In: -35.737+/-0.045 χ²/NDF:27154.8/22
Left: -35.862+/-0.031 χ²/NDF: 60778.7/47
Right: -38.809+/-0.051 χ²/NDF: 28741.2/53
In: -36.776+/-0.038 χ²/NDF:41987.1/46
Out: -36.558+/-0.036 χ²/NDF:49987.3/54
All: -36.660+/-0.026 χ²/NDF: 91991.4/101



Right In: -37.225+/-0.071 χ^2/NDF: 13700.3/23

Left Out: -26.639+/-0.055 χ^2/NDF:50051.9/24

Right Out: -35.905+/-0.061 χ^2/NDF: 19069.8/29

Left In: -27.176+/-0.057 χ^2/NDF:40990.1/22

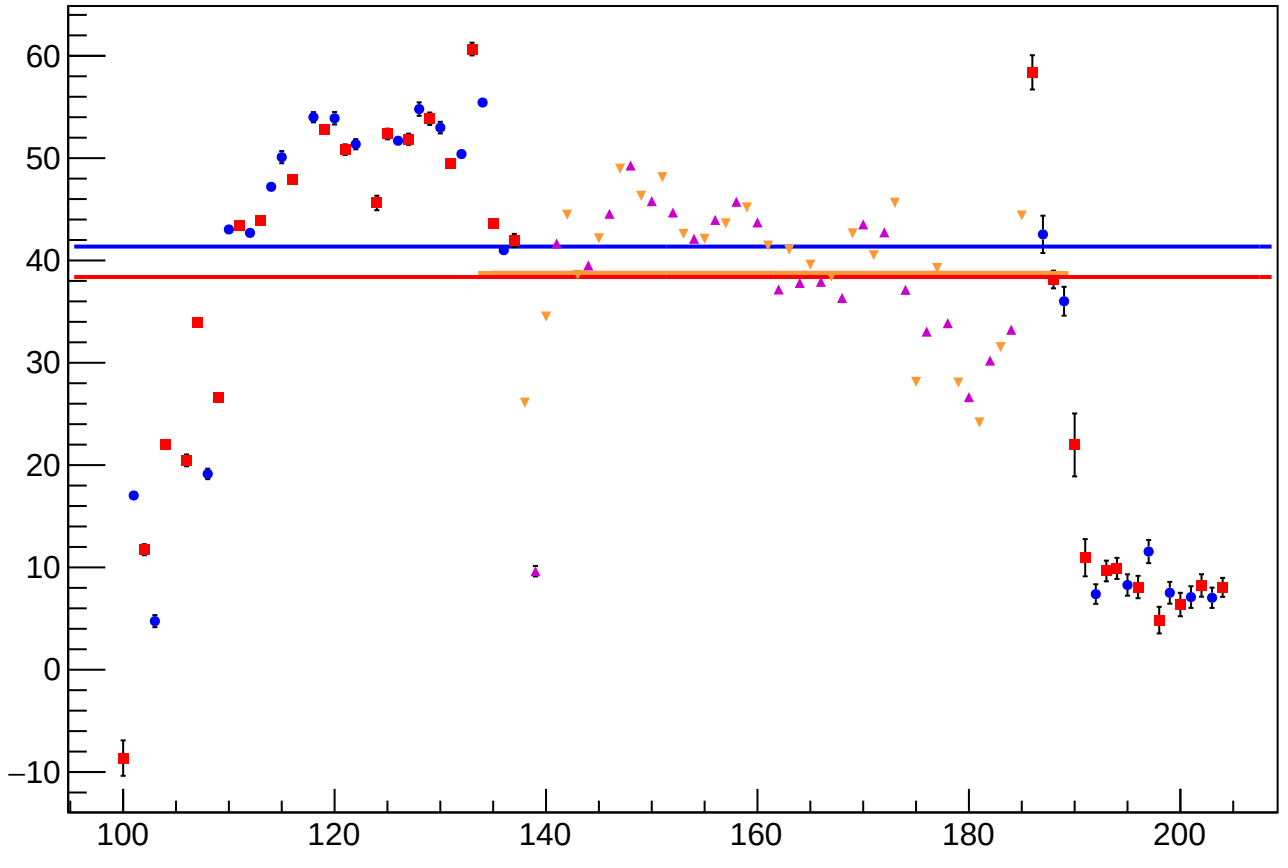
Left: -26.895+/-0.039 χ^2/NDF: 91088.1/47

Right: -36.471+/-0.046 χ^2/NDF: 32968.6/53

In: -31.150+/-0.044 χ^2/NDF:66883.9/46

Out: -30.735+/-0.041 χ^2/NDF:81859.4/54

All: -30.924+/-0.030 χ^2/NDF: 148790.5/101



Right In: 41.357+/-0.083 χ^2/NDF: 21241.2/23

Left Out: 38.777+/-0.048 χ^2/NDF:21070.6/24

Right Out: 38.385+/-0.076 χ^2/NDF: 24201.8/29

Left In: 38.791+/-0.050 χ^2/NDF:16240.7/22

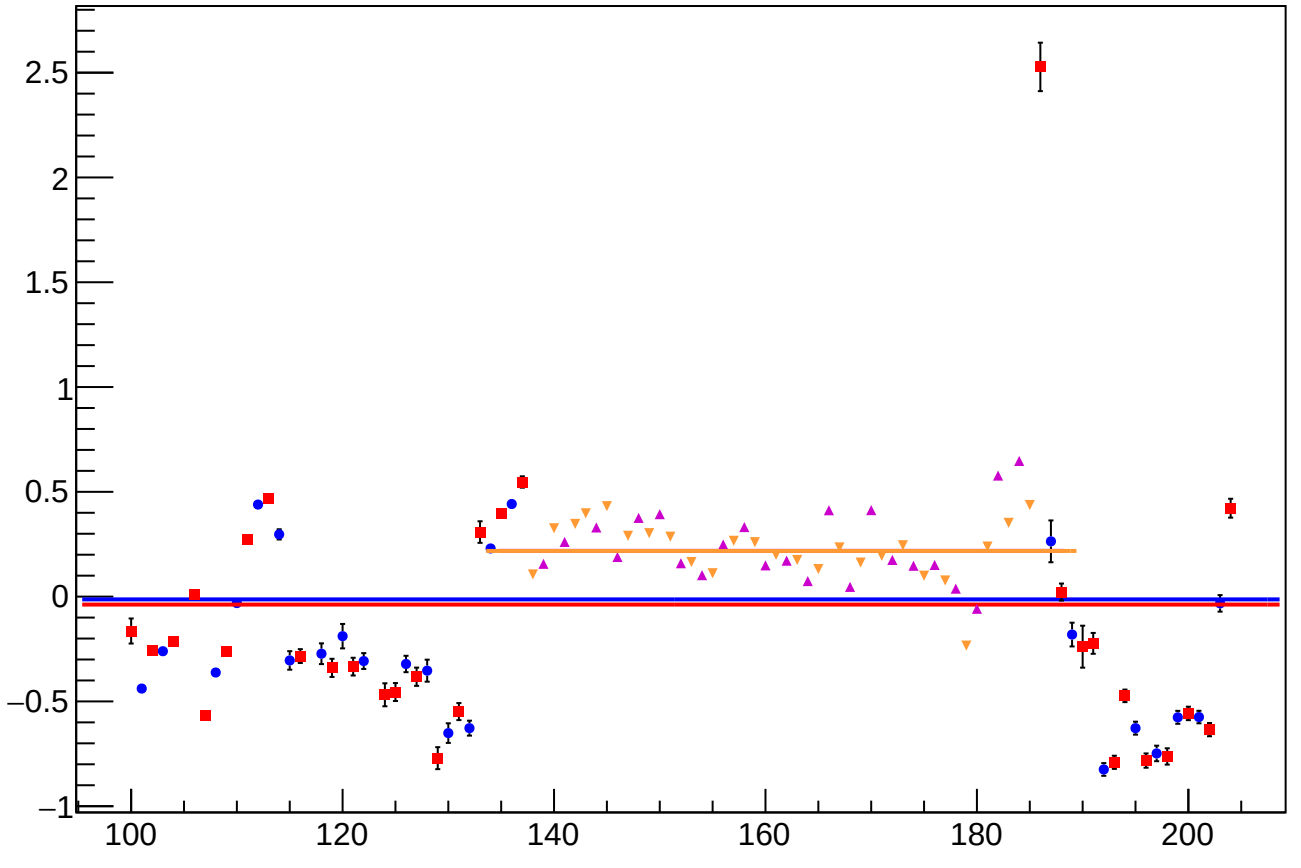
Left: 38.784+/-0.035 χ^2/NDF: 37311.3/47

Right: 39.743+/-0.056 χ^2/NDF: 46136.8/53

In: 39.476+/-0.043 χ^2/NDF:38179.6/46

Out: 38.667+/-0.040 χ^2/NDF:45291.5/54

All: 39.047+/-0.029 χ^2/NDF: 83659.2/101



Right In: -0.013+/-0.005 χ^2/NDF: 7963.7/23

Left Out: 0.218+/-0.002 χ^2/NDF:4075.0/24

Right Out: -0.038+/-0.004 χ^2/NDF: 9433.6/29

Left In: 0.218+/-0.002 χ^2/NDF:5312.2/22

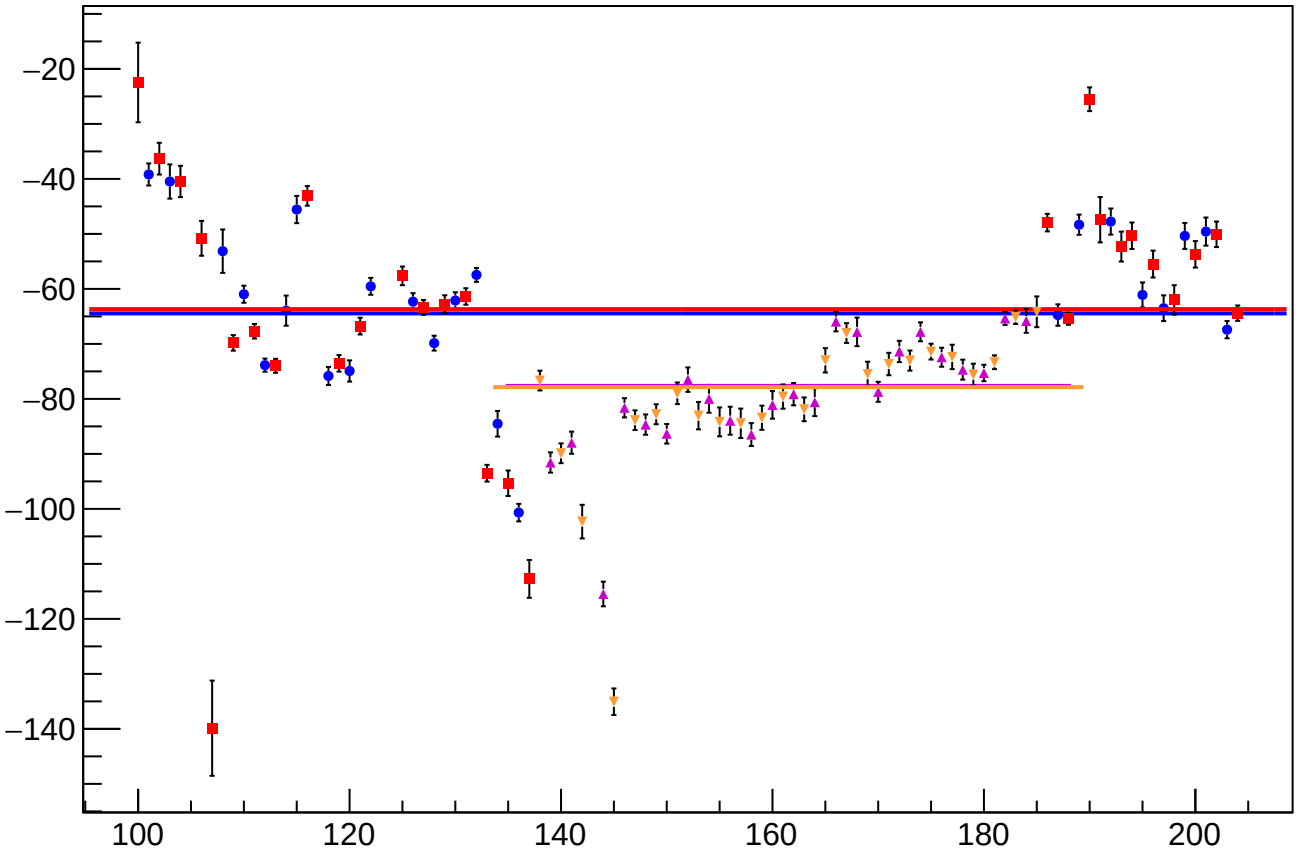
Left: 0.218+/-0.002 χ^2/NDF: 9387.2/47

Right: -0.027+/-0.003 χ^2/NDF: 17413.7/53

In: 0.173+/-0.002 χ^2/NDF:15378.7/46

Out: 0.163+/-0.002 χ^2/NDF:16554.8/54

All: 0.168+/-0.001 χ^2/NDF: 31947.2/101



Right In: -64.457+/-0.369 χ^2/NDF: 1280.4/23

Left Out: -77.867+/-0.394 χ^2/NDF:932.3/23

Right Out: -63.676+/-0.340 χ^2/NDF: 1889.7/28

Left In: -77.643+/-0.396 χ^2/NDF:693.3/22

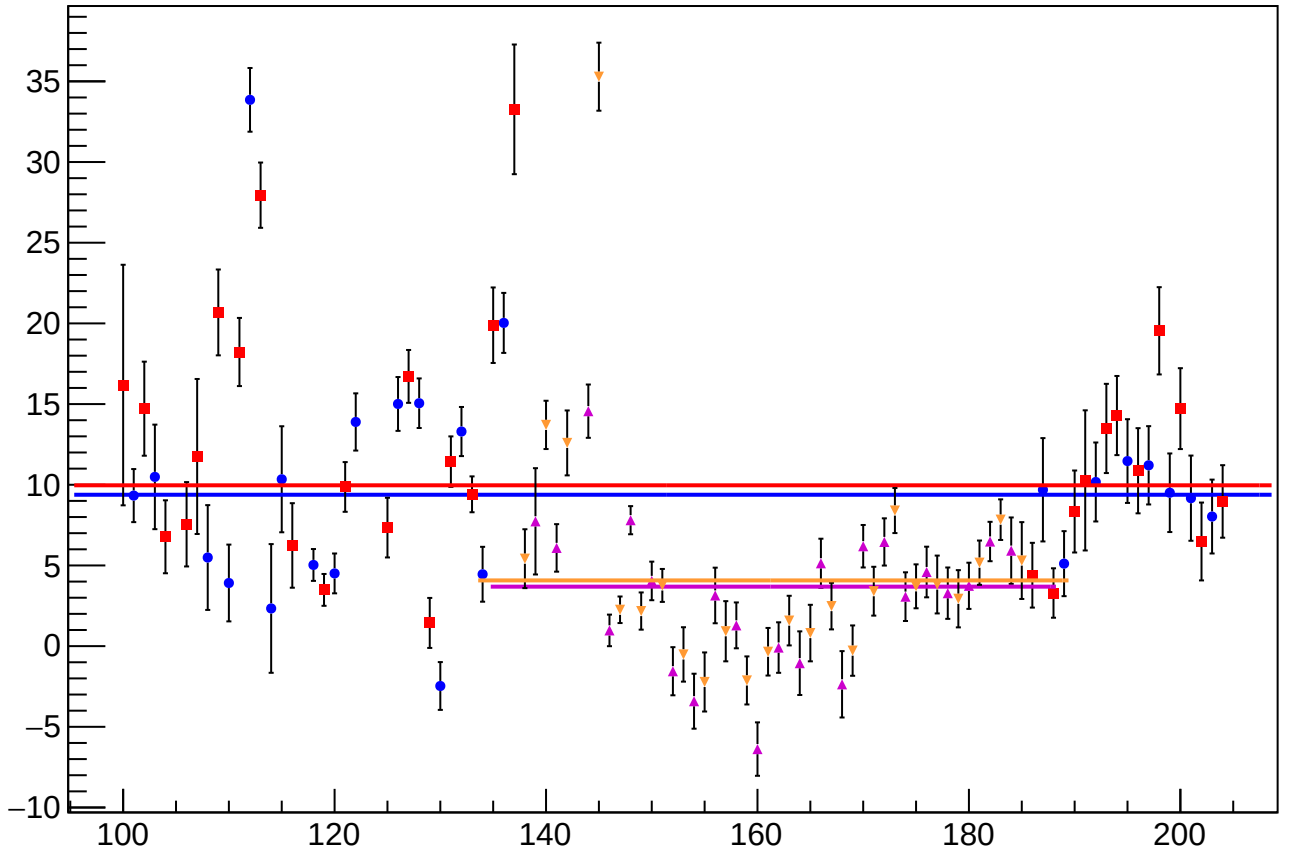
Left: -77.756+/-0.279 χ^2/NDF: 1625.8/46

Right: -64.035+/-0.250 χ^2/NDF: 3172.5/52

In: -70.572+/-0.270 χ^2/NDF:2566.9/46

Out: -69.722+/-0.257 χ^2/NDF:3566.3/52

All: -70.126+/-0.186 χ^2/NDF: 6138.4/99



Right In: 9.381+/-0.384 χ^2/NDF: 348.2/23

Left Out: 4.073+/-0.297 χ^2/NDF:370.6/23

Right Out: 9.967+/-0.371 χ^2/NDF: 314.4/28

Left In: 3.686+/-0.302 χ^2/NDF:182.6/22

Left: 3.883+/-0.212 χ^2/NDF: 554.0/46

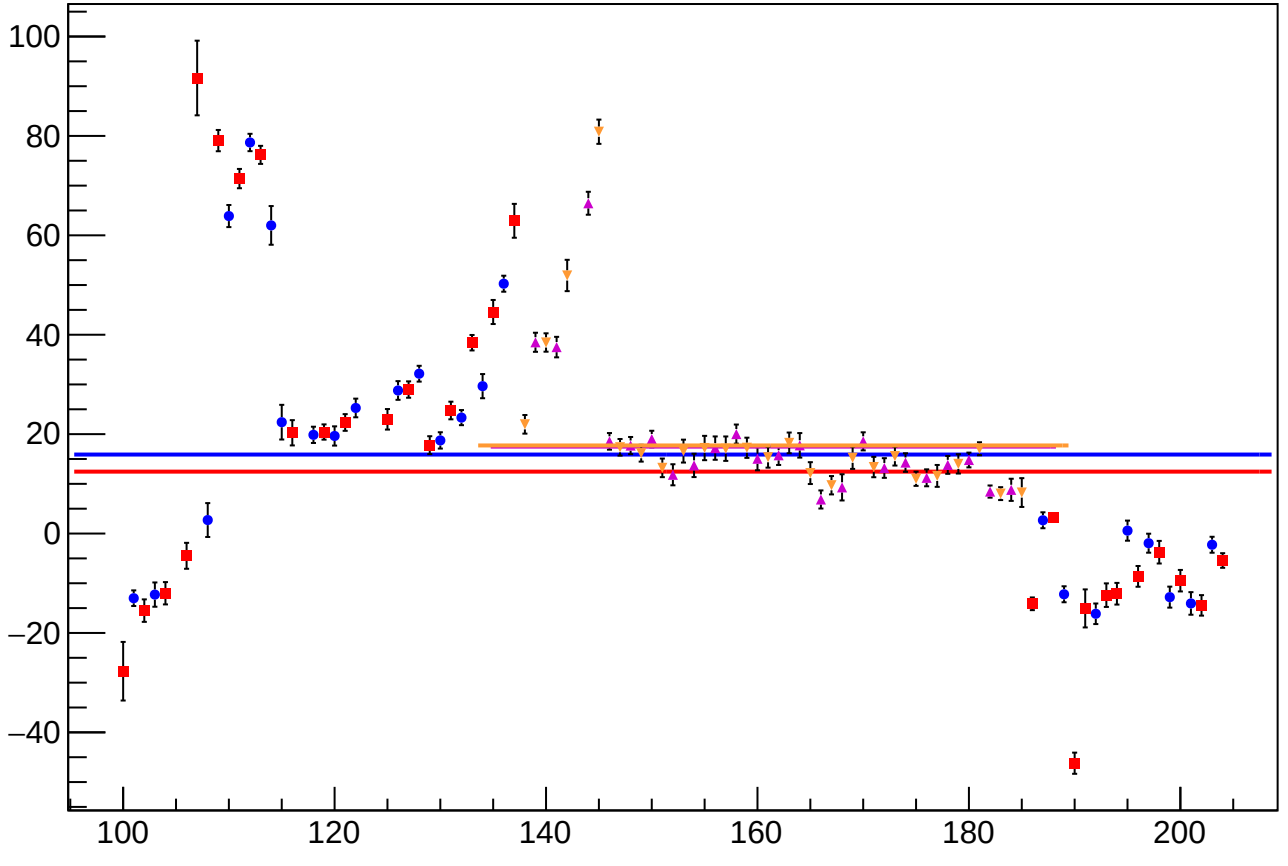
Right: 9.684+/-0.267 χ^2/NDF: 663.8/52

In: 5.861+/-0.237 χ^2/NDF:666.9/46

Out: 6.371+/-0.232 χ^2/NDF:838.8/52

All: 6.122+/-0.166 χ^2/NDF: 1508.1/99

reg_asym_usl_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 15.894+/-0.388 χ^2/NDF: 4333.0/23

Left Out: 17.723+/-0.391 χ^2/NDF:1058.3/23

Right Out: 12.457+/-0.351 χ^2/NDF: 6681.3/28

Left In: 17.491+/-0.393 χ^2/NDF:820.7/22

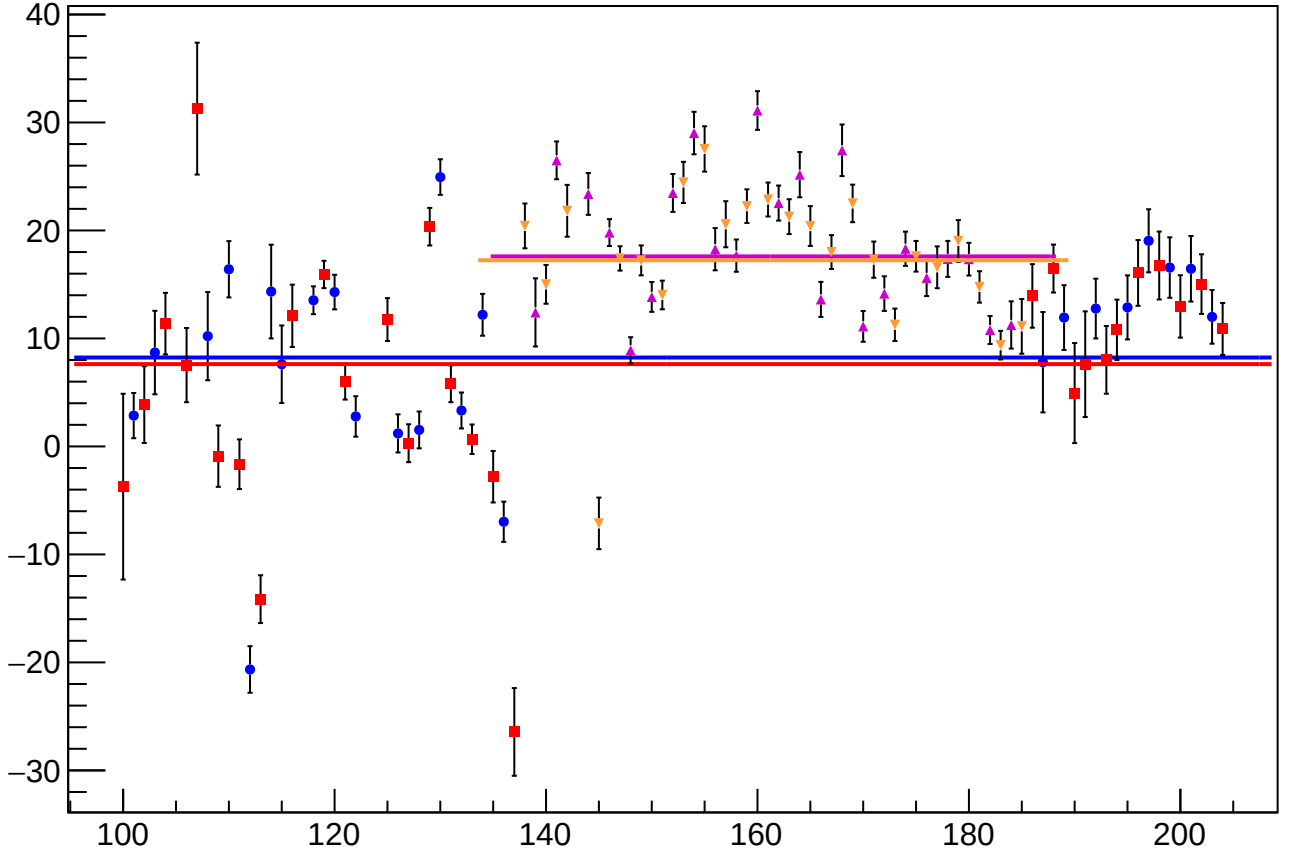
Left: 17.608+/-0.277 χ^2/NDF: 1879.2/46

Right: 14.003+/-0.260 χ^2/NDF: 11057.4/52

In: 16.684+/-0.276 χ^2/NDF:5162.1/46

Out: 14.808+/-0.261 χ^2/NDF:7839.9/52

All: 15.694+/-0.190 χ^2/NDF: 13026.4/99



Right In: 8.233+/-0.448 χ^2/NDF: 490.2/23

Left Out: 17.245+/-0.338 χ^2/NDF:260.8/23

Right Out: 7.622+/-0.437 χ^2/NDF: 430.2/28

Left In: 17.597+/-0.342 χ^2/NDF:309.7/22

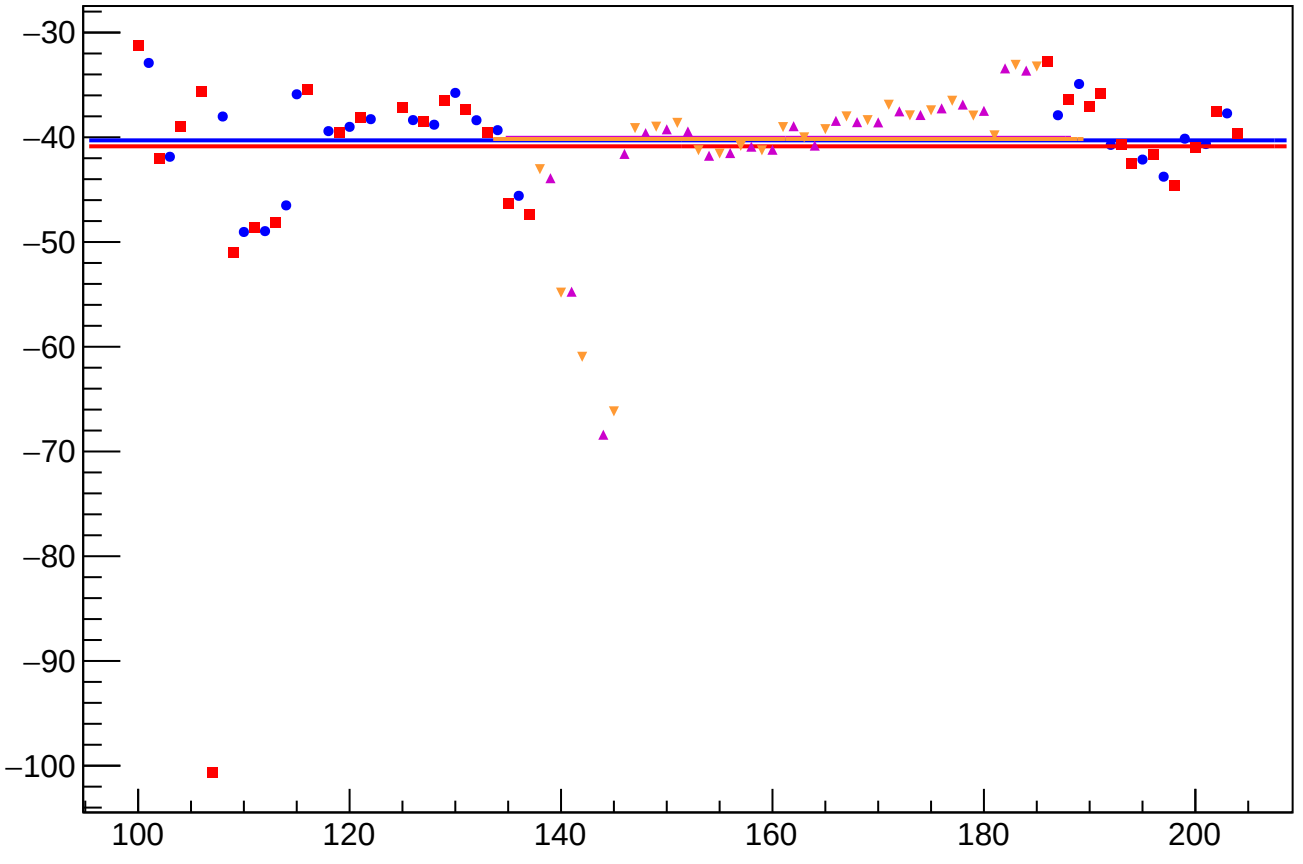
Left: 17.419+/-0.241 χ^2/NDF: 571.0/46

Right: 7.920+/-0.313 χ^2/NDF: 921.3/52

In: 14.144+/-0.272 χ^2/NDF:1075.9/46

Out: 13.639+/-0.267 χ^2/NDF:994.5/52

All: 13.887+/-0.191 χ^2/NDF: 2072.2/99



Right In: -40.293+/-0.023 χ^2/NDF: 25455.1/23

Left Out: -40.165+/-0.015 χ^2/NDF:163335.9/23

Right Out: -40.863+/-0.022 χ^2/NDF: 69393.9/28

Left In: -40.050+/-0.015 χ^2/NDF:136438.5/22

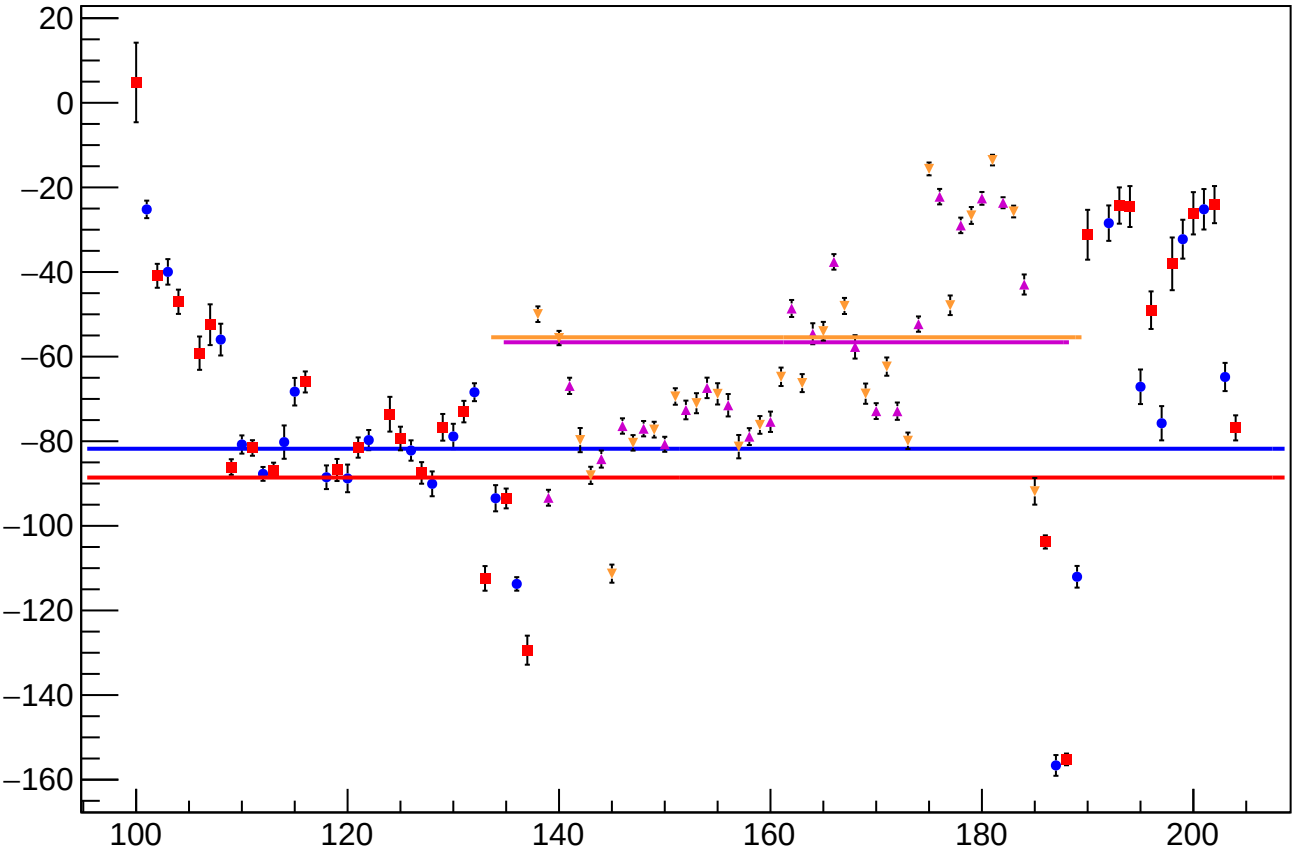
Left: -40.107+/-0.011 χ^2/NDF: 299802.1/46

Right: -40.592+/-0.016 χ^2/NDF: 95168.3/52

In: -40.124+/-0.013 χ^2/NDF:161970.3/46

Out: -40.395+/-0.013 χ^2/NDF:233405.0/52

All: -40.261+/-0.009 χ^2/NDF: 395601.3/99



Right In: -81.776+/-0.546 χ^2/NDF: 3021.2/23

Left Out: -55.424+/-0.393 χ^2/NDF:4525.3/24

Right Out: -88.583+/-0.495 χ^2/NDF: 4548.3/28

Left In: -56.609+/-0.404 χ^2/NDF:3350.3/22

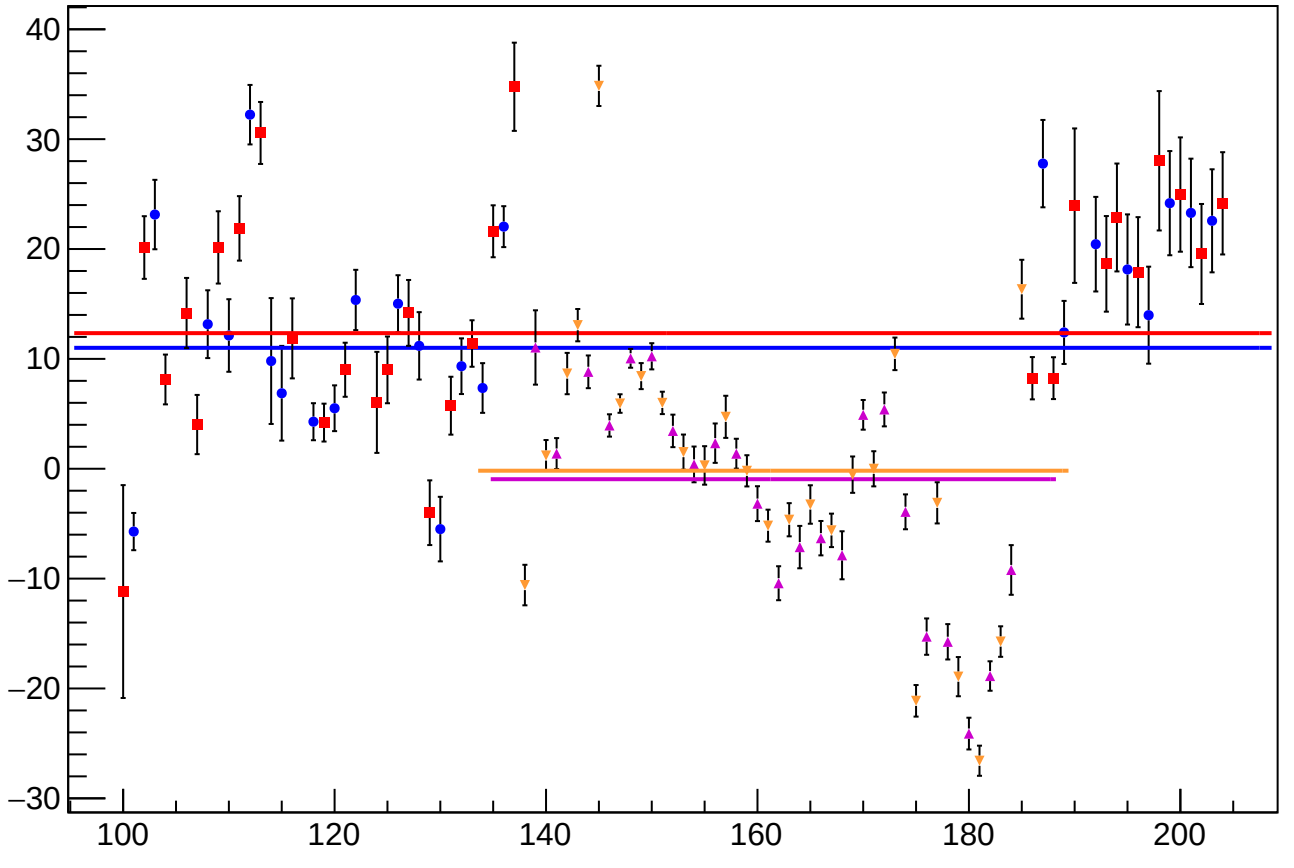
Left: -56.001+/-0.282 χ^2/NDF: 7880.0/47

Right: -85.512+/-0.367 χ^2/NDF: 7654.8/52

In: -65.508+/-0.325 χ^2/NDF:7745.3/46

Out: -68.258+/-0.308 χ^2/NDF:11824.8/53

All: -66.955+/-0.223 χ^2/NDF: 19607.9/100



Right In: 11.006+/-0.572 χ^2/NDF: 317.9/23

Left Out: -0.179+/-0.294 χ^2/NDF:1598.6/24

Right Out: 12.342+/-0.549 χ^2/NDF: 236.8/28

Left In: -0.952+/-0.304 χ^2/NDF:1069.6/22

Left: -0.553+/-0.211 χ^2/NDF: 2671.5/47

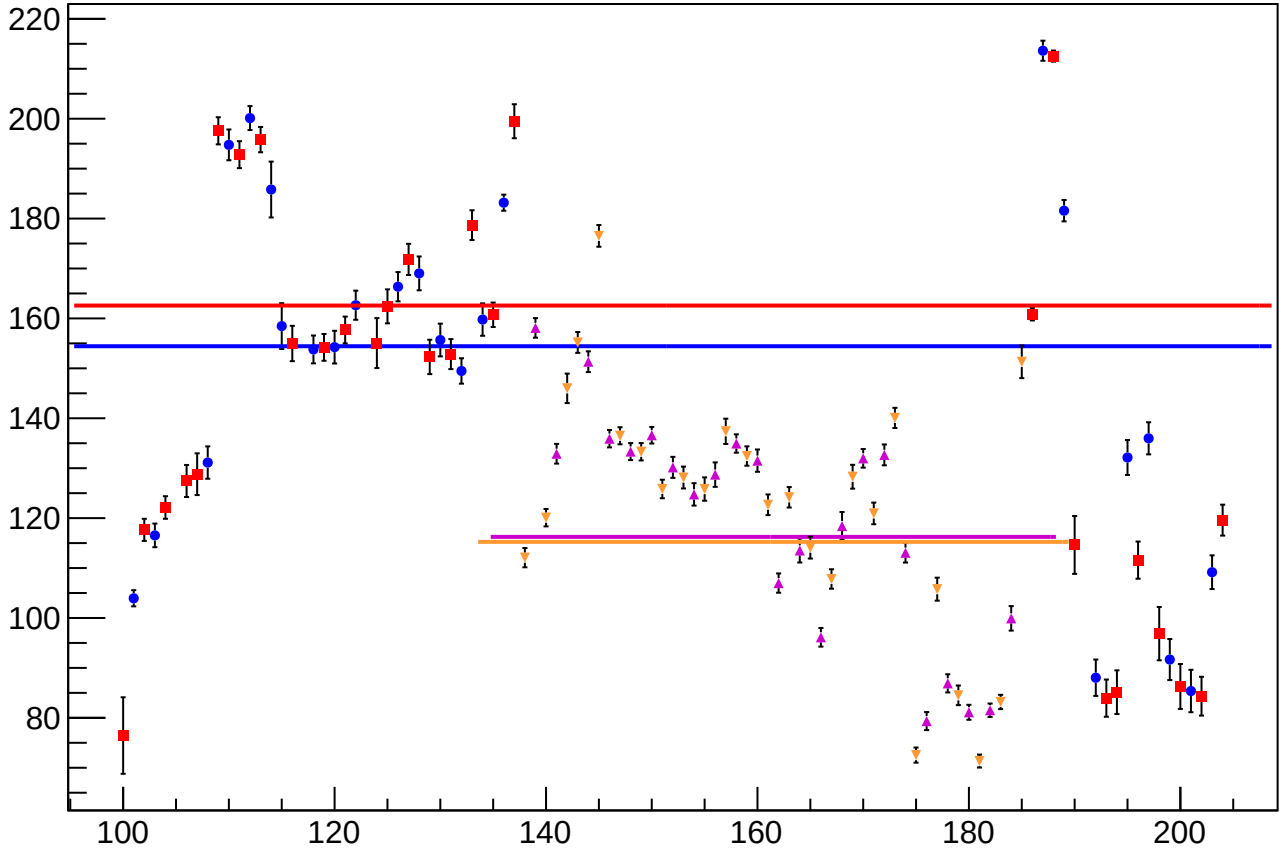
Right: 11.703+/-0.396 χ^2/NDF: 557.5/52

In: 1.679+/-0.269 χ^2/NDF:1727.8/46

Out: 2.616+/-0.259 χ^2/NDF:2240.0/53

All: 2.164+/-0.187 χ^2/NDF: 3974.1/100

reg_asym_usr_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 154.429+/-0.559 χ^2/NDF: 4321.1/23

Left Out: 115.243+/-0.390 χ^2/NDF:4836.5/24

Right Out: 162.576+/-0.495 χ^2/NDF: 5780.1/28

Left In: 116.246+/-0.399 χ^2/NDF:3637.3/22

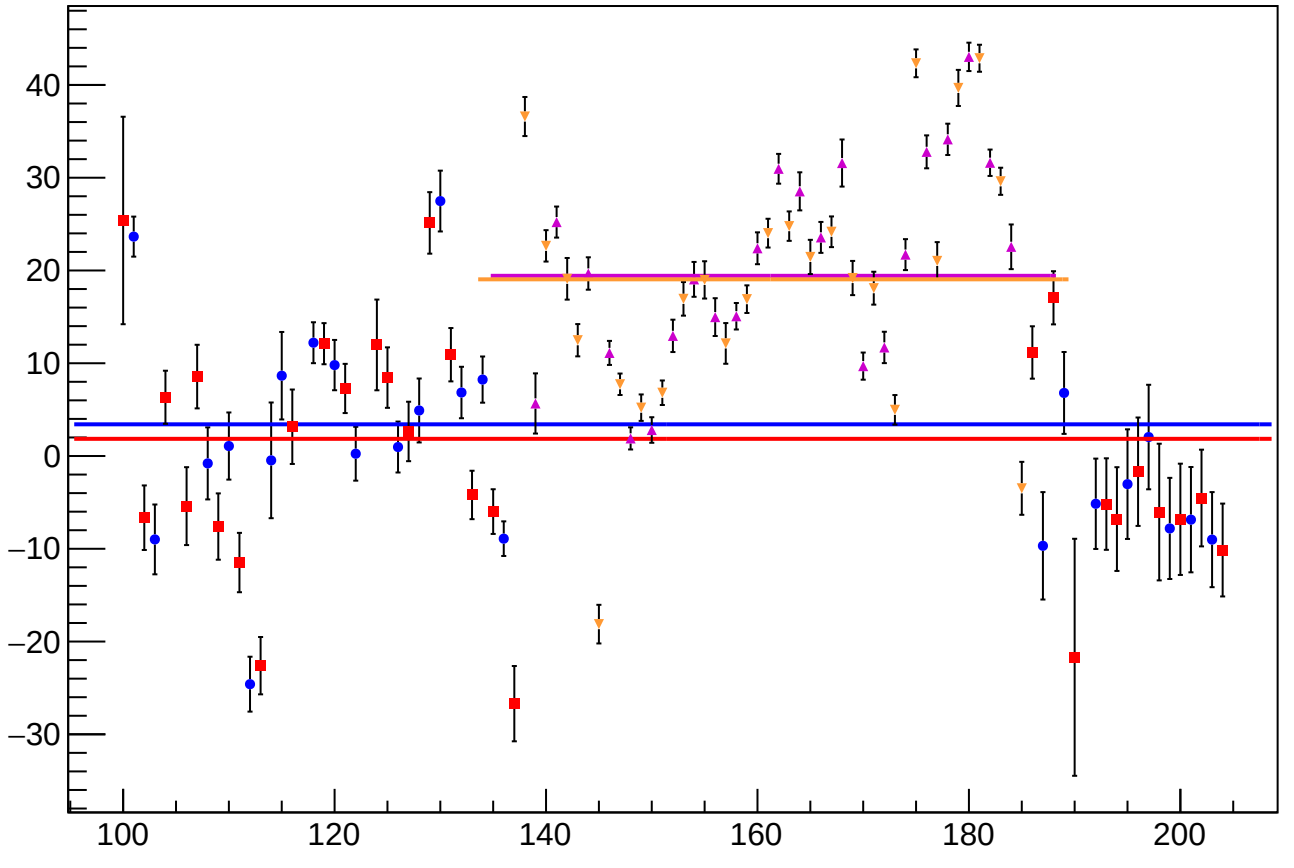
Left: 115.733+/-0.279 χ^2/NDF: 8477.1/47

Right: 158.993+/-0.370 χ^2/NDF: 10220.3/52

In: 129.153+/-0.325 χ^2/NDF:11051.3/46

Out: 133.392+/-0.307 χ^2/NDF:16254.6/53

All: 131.395+/-0.223 χ^2/NDF: 27396.1/100



Right In: 3.416+/-0.667 χ^2/NDF: 341.5/23

Left Out: 19.046+/-0.336 χ^2/NDF:1545.8/24

Right Out: 1.852+/-0.653 χ^2/NDF: 323.2/28

Left In: 19.425+/-0.346 χ^2/NDF:1077.2/22

Left: 19.230+/-0.241 χ^2/NDF: 2623.6/47

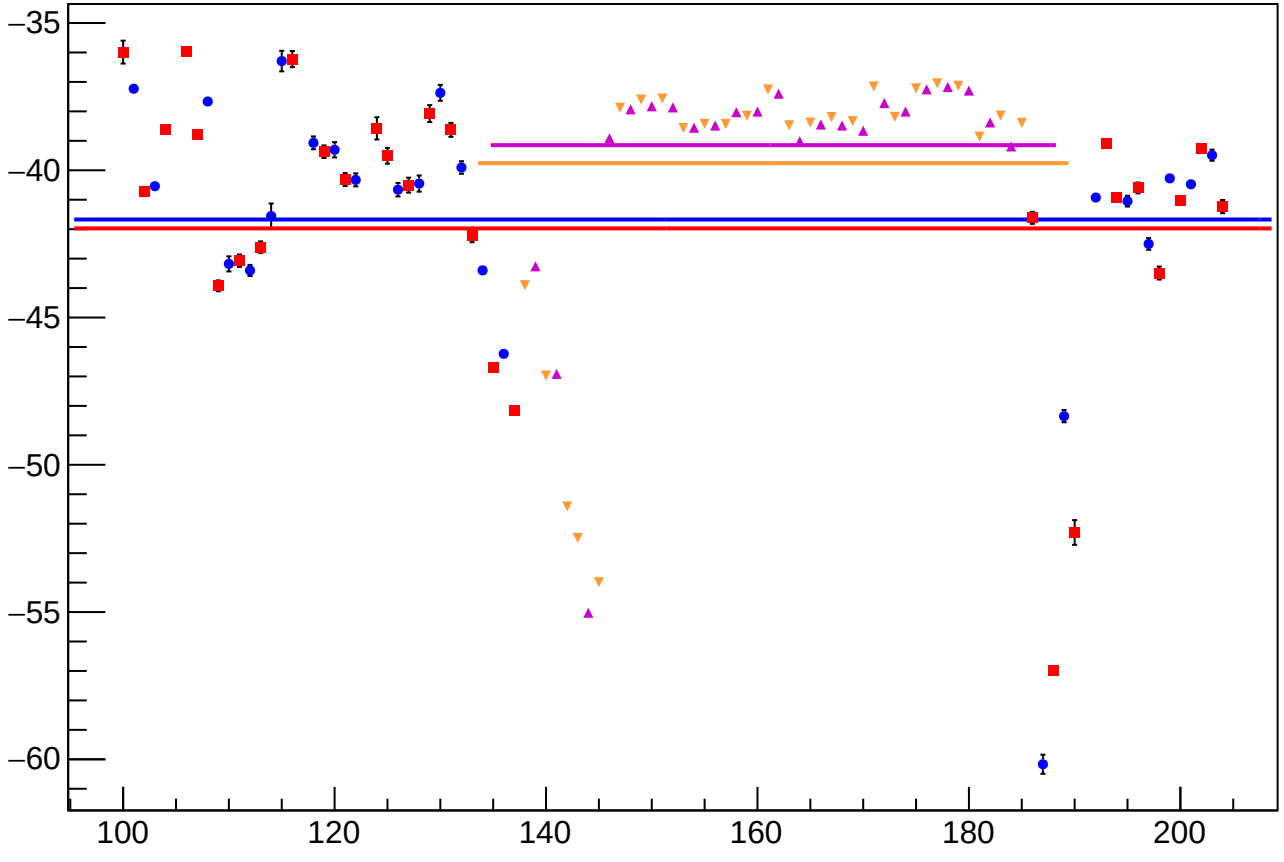
Right: 2.617+/-0.467 χ^2/NDF: 667.5/52

In: 16.035+/-0.307 χ^2/NDF:1872.8/46

Out: 15.442+/-0.299 χ^2/NDF:2417.4/53

All: 15.731+/-0.214 χ^2/NDF: 4292.1/100

reg_asym_usr_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -41.672+/-0.033 χ^2/NDF: 12557.3/23

Left Out: -39.758+/-0.015 χ^2/NDF:81865.0/24

Right Out: -41.974+/-0.033 χ^2/NDF: 19459.4/28

Left In: -39.147+/-0.016 χ^2/NDF:46907.5/22

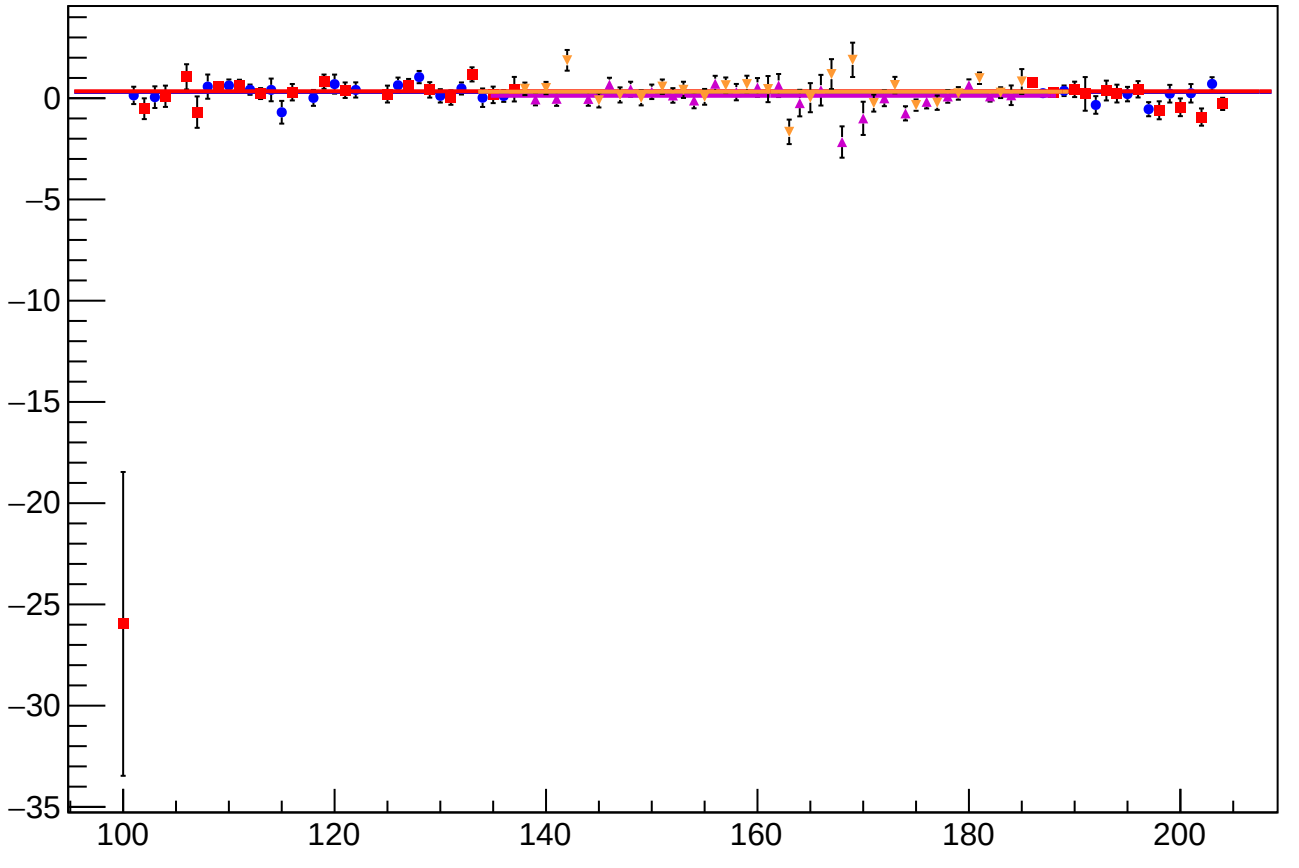
Left: -39.456+/-0.011 χ^2/NDF: 129547.1/47

Right: -41.824+/-0.023 χ^2/NDF: 32059.5/52

In: -39.612+/-0.014 χ^2/NDF:64282.9/46

Out: -40.165+/-0.014 χ^2/NDF:105106.0/53

All: -39.891+/-0.010 χ^2/NDF: 170164.7/100



Right In: 0.308+/-0.072 χ^2/NDF: 24.5/23

Left Out: 0.321+/-0.078 χ^2/NDF:46.9/23

Right Out: 0.341+/-0.061 χ^2/NDF: 57.9/28

Left In: 0.120+/-0.079 χ^2/NDF:30.0/22

Left: 0.222+/-0.056 χ^2/NDF: 80.1/46

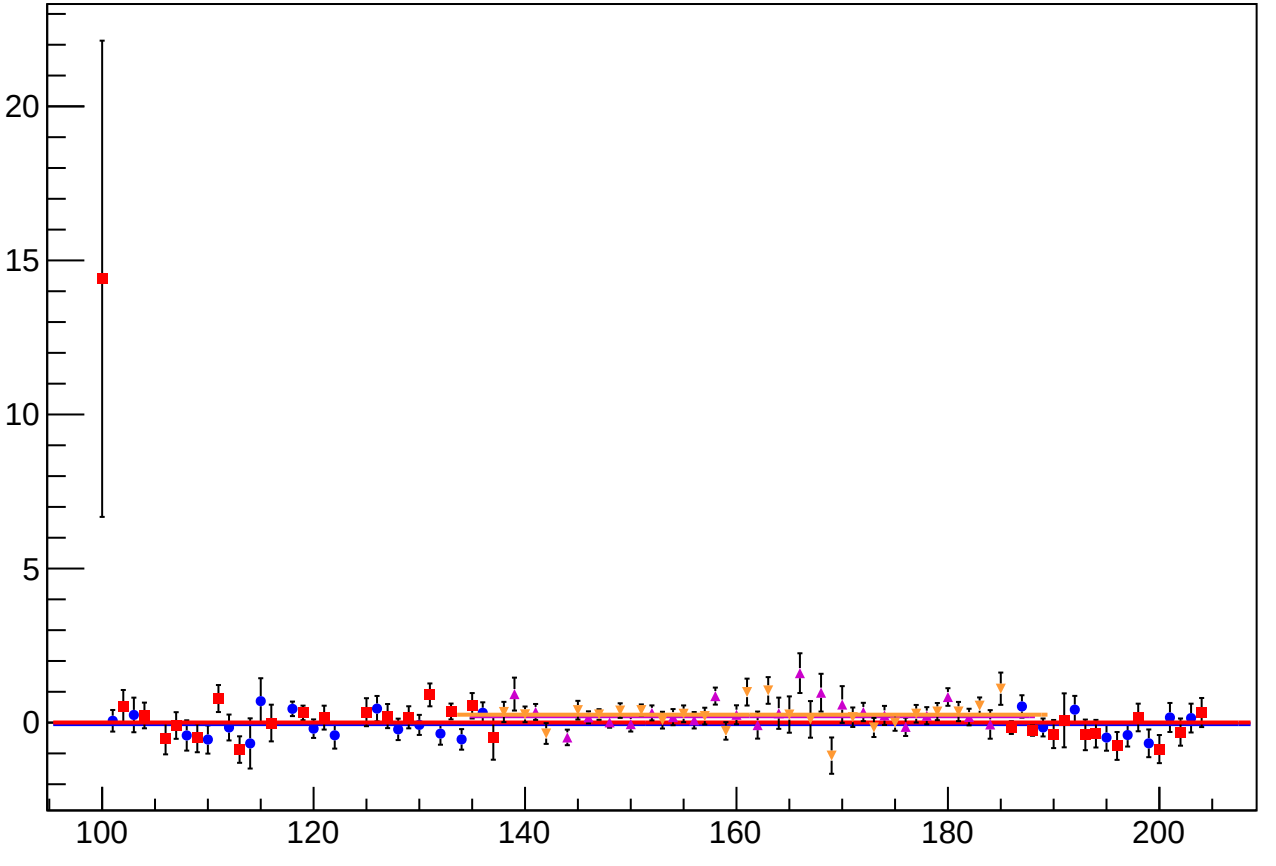
Right: 0.328+/-0.047 χ^2/NDF: 82.6/52

In: 0.224+/-0.053 χ^2/NDF:57.6/46

Out: 0.334+/-0.048 χ^2/NDF:104.9/52

All: 0.284+/-0.036 χ^2/NDF: 164.8/99

reg_asym_dsl_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.049+/-0.078 χ^2/NDF: 23.0/23

Left Out: 0.257+/-0.059 χ^2/NDF:26.5/23

Right Out: 0.003+/-0.070 χ^2/NDF: 39.1/28

Left In: 0.207+/-0.060 χ^2/NDF:31.9/22

Left: 0.232+/-0.042 χ^2/NDF: 58.7/46

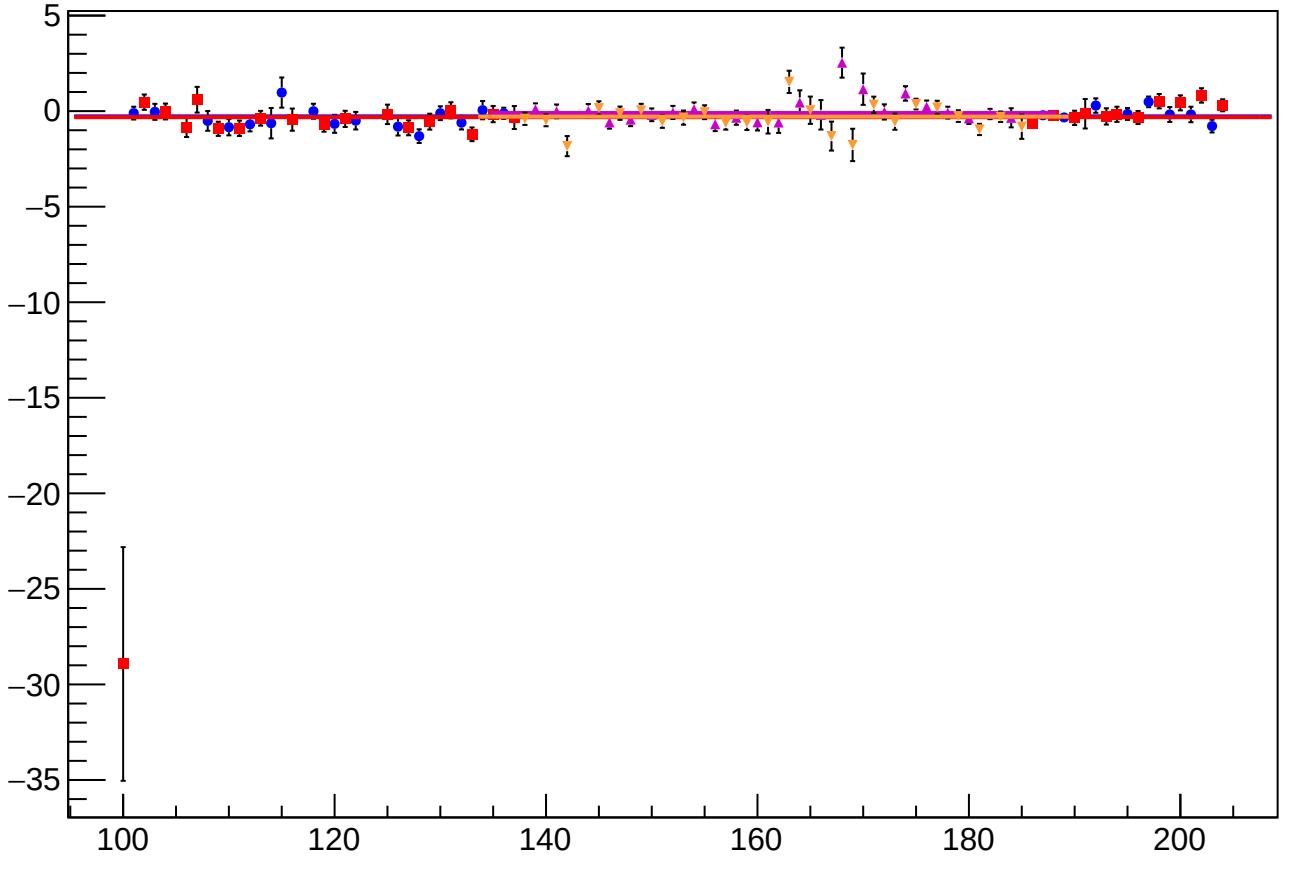
Right: -0.020+/-0.052 χ^2/NDF: 62.4/52

In: 0.111+/-0.048 χ^2/NDF:61.6/46

Out: 0.151+/-0.045 χ^2/NDF:73.2/52

All: 0.132+/-0.033 χ^2/NDF: 135.2/99

reg_asym_dsl_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -0.275+/-0.071 χ^2/NDF: 31.8/23

Left Out: -0.286+/-0.077 χ^2/NDF:45.0/23

Right Out: -0.317+/-0.058 χ^2/NDF: 72.6/28

Left In: -0.100+/-0.078 χ^2/NDF:33.2/22

Left: -0.194+/-0.055 χ^2/NDF: 81.1/46

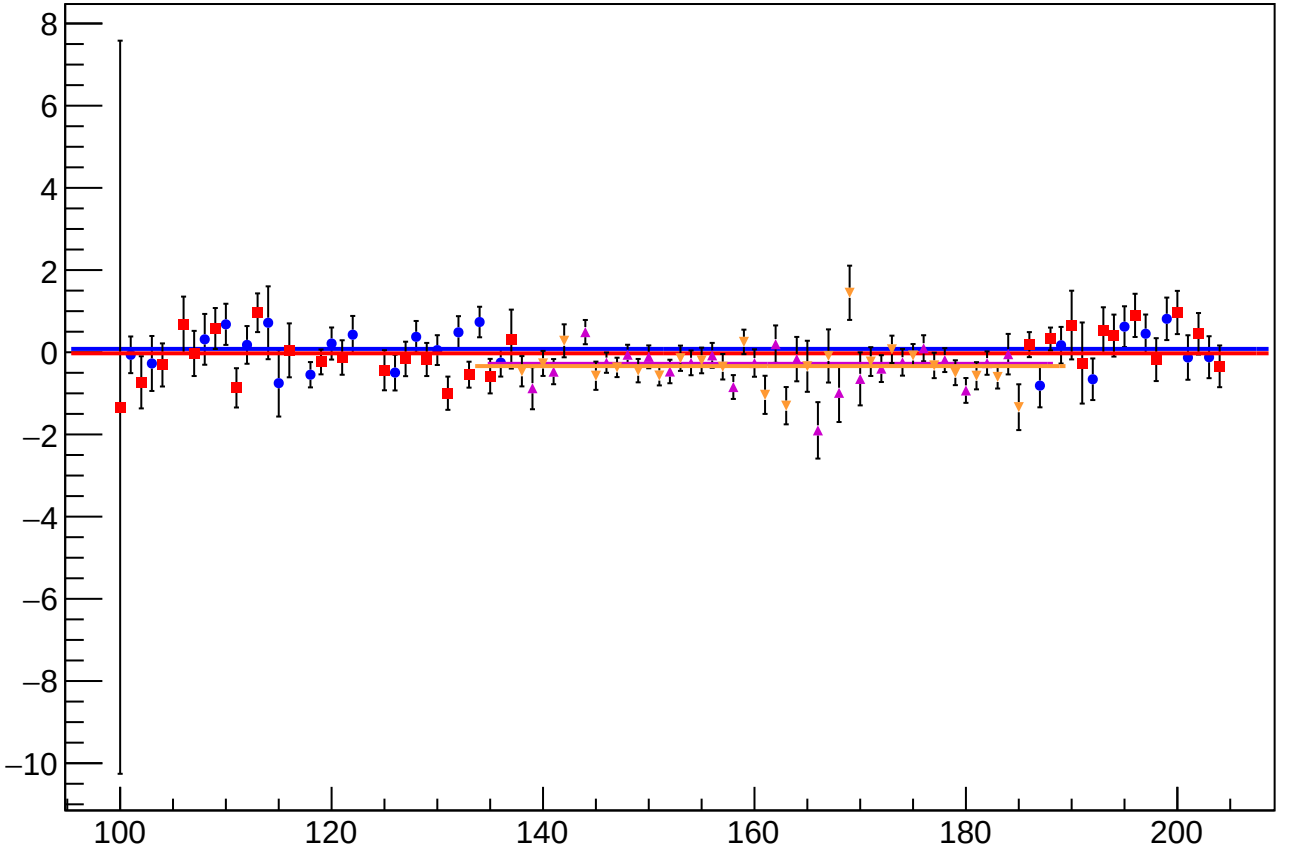
Right: -0.300+/-0.045 χ^2/NDF: 104.6/52

In: -0.195+/-0.053 χ^2/NDF:67.7/46

Out: -0.306+/-0.046 χ^2/NDF:117.7/52

All: -0.258+/-0.035 χ^2/NDF: 187.9/99

reg_asym_dsl_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.082+/-0.092 χ^2/NDF: 25.0/23

Left Out: -0.337+/-0.068 χ^2/NDF:30.1/23

Right Out: -0.026+/-0.086 χ^2/NDF: 36.0/28

Left In: -0.282+/-0.069 χ^2/NDF:29.0/22

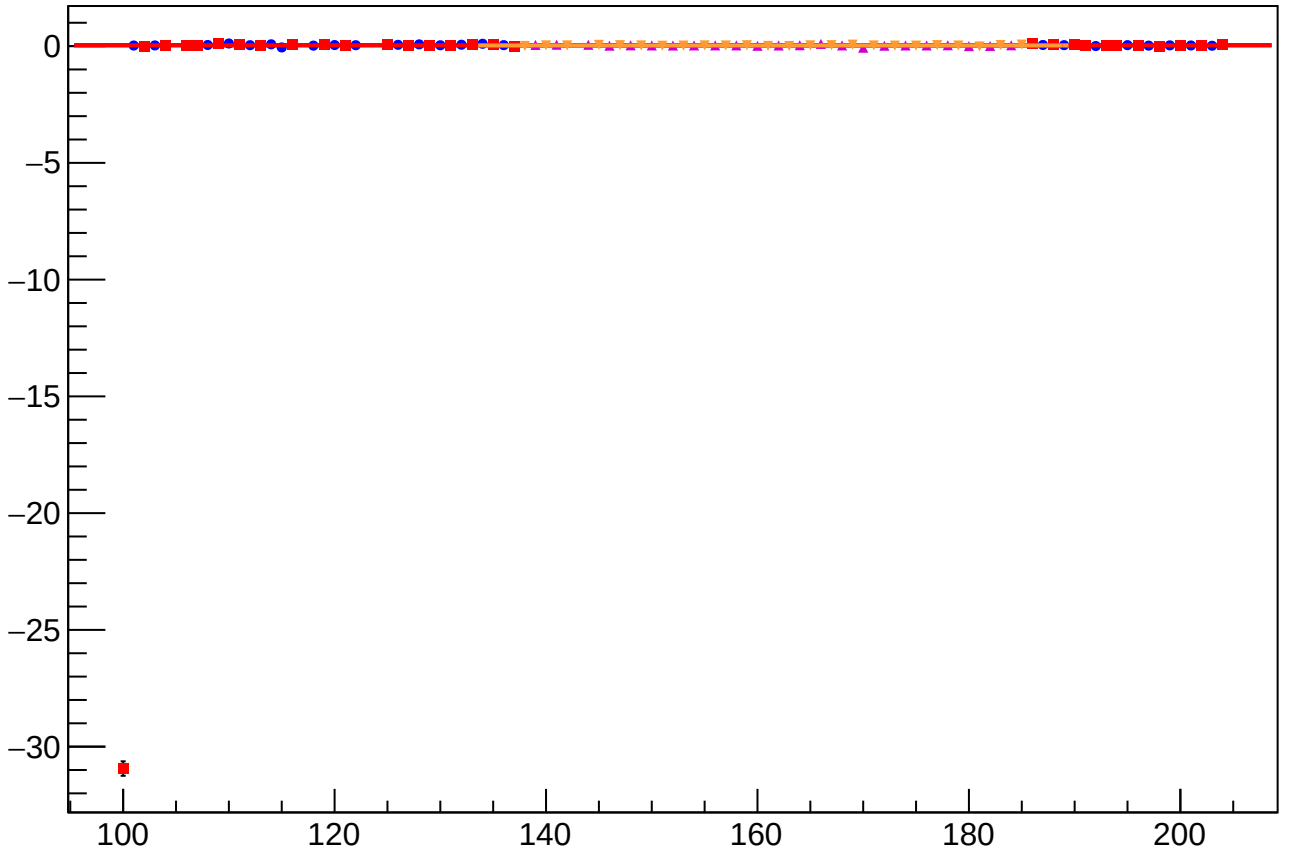
Left: -0.310+/-0.048 χ^2/NDF: 59.4/46

Right: 0.024+/-0.063 χ^2/NDF: 61.7/52

In: -0.152+/-0.055 χ^2/NDF:64.0/46

Out: -0.217+/-0.053 χ^2/NDF:74.1/52

All: -0.185+/-0.038 χ^2/NDF: 138.9/99



Right In: 0.037+/-0.004 χ^2/NDF: 30.2/23

Left Out: 0.028+/-0.003 χ^2/NDF:27.6/23

Right Out: 0.033+/-0.004 χ^2/NDF: 10049.8/28

Left In: 0.029+/-0.003 χ^2/NDF:38.9/22

Left: 0.029+/-0.002 χ^2/NDF: 66.6/46

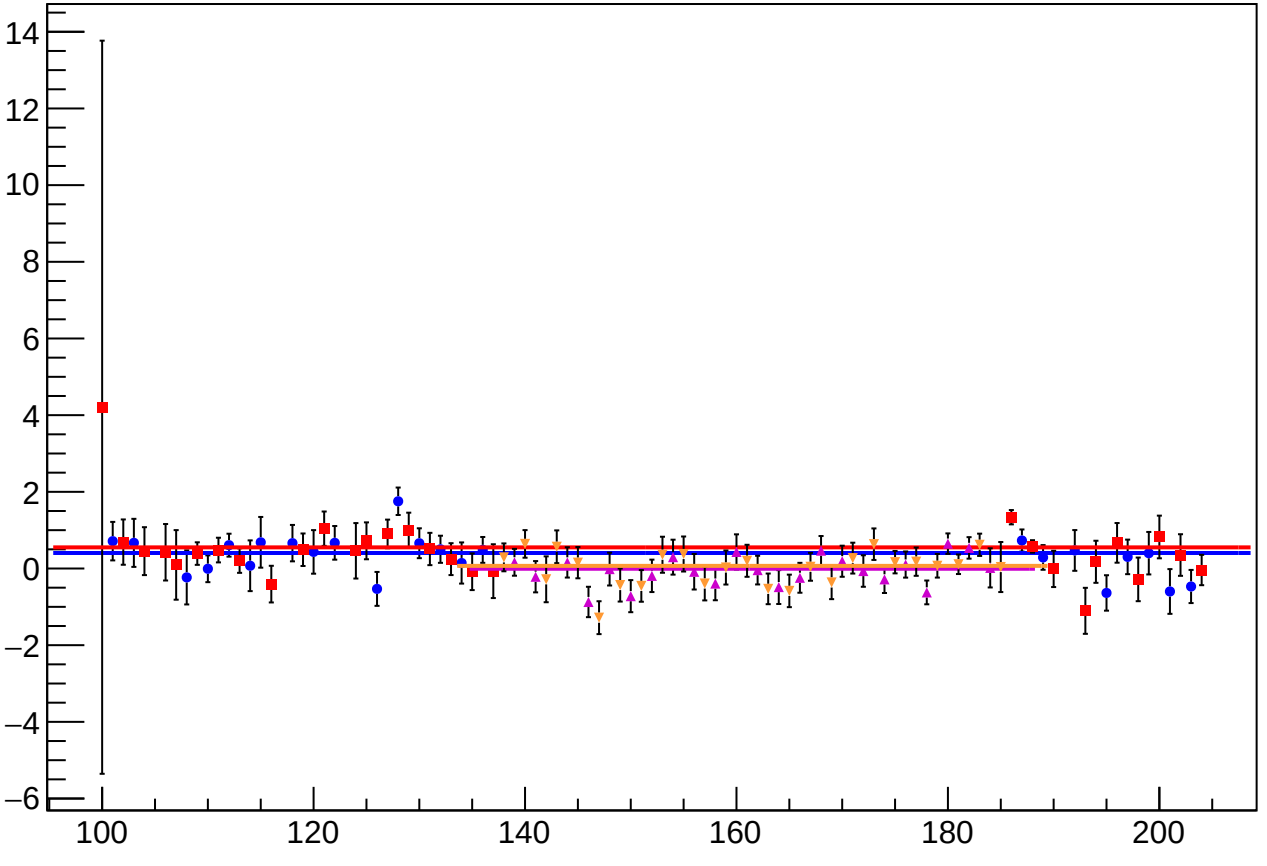
Right: 0.035+/-0.003 χ^2/NDF: 10080.5/52

In: 0.032+/-0.002 χ^2/NDF:71.3/46

Out: 0.030+/-0.002 χ^2/NDF:10078.4/52

All: 0.031+/-0.002 χ^2/NDF: 10150.2/99

reg_asym_dsr_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.405+/-0.087 χ^2/NDF: 37.4/23

Left Out: 0.069+/-0.077 χ^2/NDF:31.1/24

Right Out: 0.551+/-0.073 χ^2/NDF: 44.4/28

Left In: -0.006+/-0.079 χ^2/NDF:28.5/22

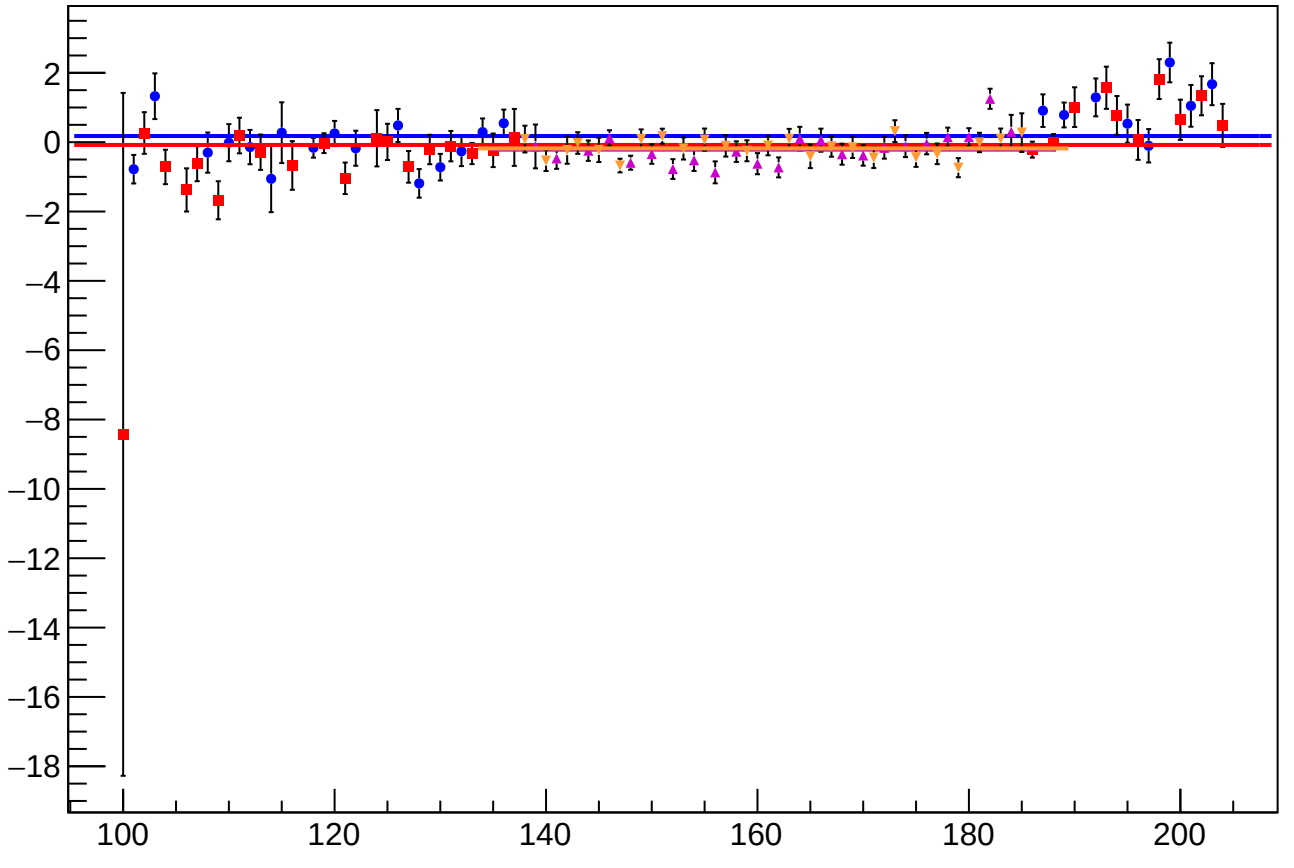
Left: 0.032+/-0.055 χ^2/NDF: 60.1/47

Right: 0.491+/-0.056 χ^2/NDF: 83.5/52

In: 0.180+/-0.059 χ^2/NDF:78.1/46

Out: 0.324+/-0.053 χ^2/NDF:96.2/53

All: 0.259+/-0.039 χ^2/NDF: 177.5/100



Right In: 0.177+/-0.094 χ^2/NDF: 64.3/23

Left Out: -0.180+/-0.059 χ^2/NDF:24.7/24

Right Out: -0.080+/-0.084 χ^2/NDF: 58.7/28

Left In: -0.216+/-0.062 χ^2/NDF:53.6/22

Left: -0.197+/-0.043 χ^2/NDF: 78.5/47

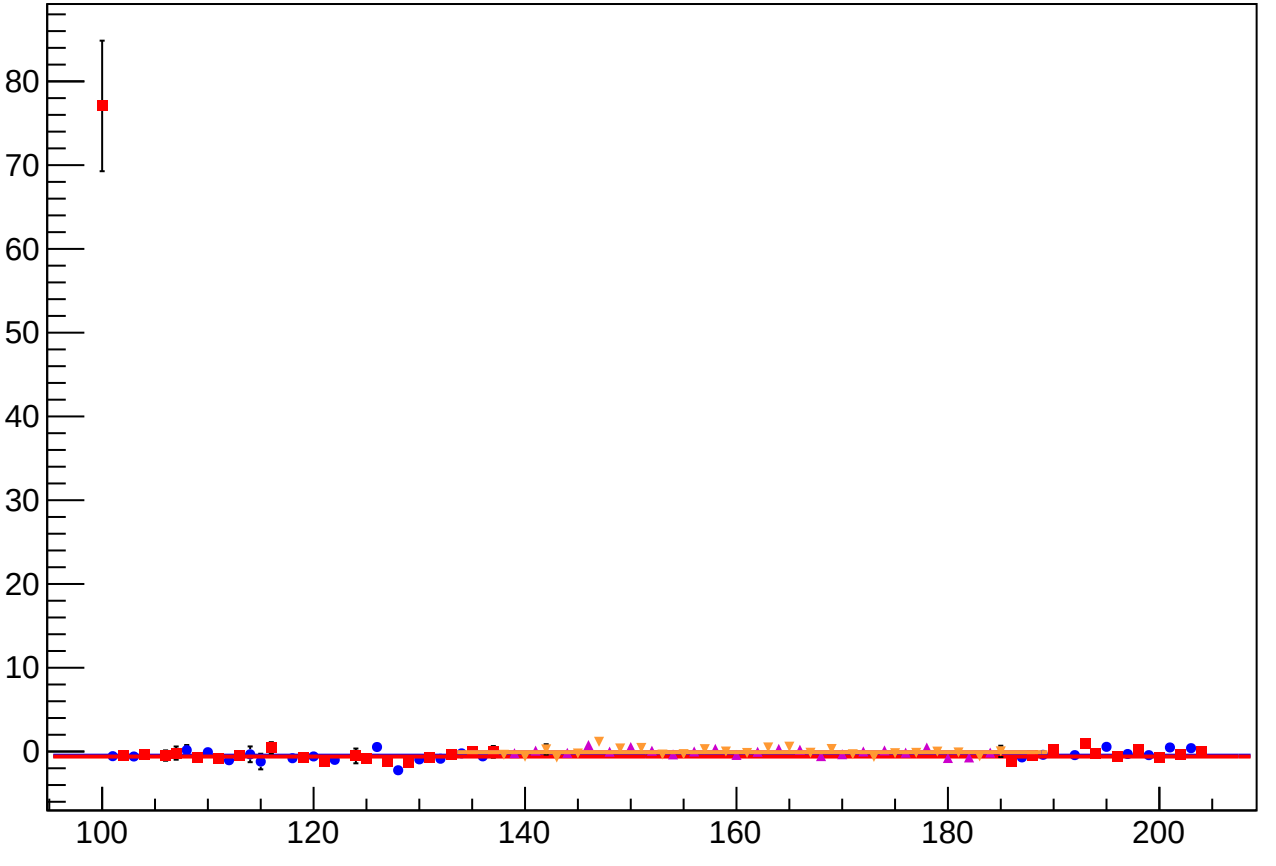
Right: 0.033+/-0.063 χ^2/NDF: 127.2/52

In: -0.099+/-0.052 χ^2/NDF:130.1/46

Out: -0.147+/-0.048 χ^2/NDF:84.4/53

All: -0.124+/-0.035 χ^2/NDF: 214.9/100

reg_asym_dsr_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -0.496+/-0.087 χ^2/NDF: 44.0/23

Left Out: -0.077+/-0.077 χ^2/NDF:30.0/24

Right Out: -0.601+/-0.070 χ^2/NDF: 142.7/28

Left In: -0.075+/-0.079 χ^2/NDF:28.3/22

Left: -0.076+/-0.055 χ^2/NDF: 58.3/47

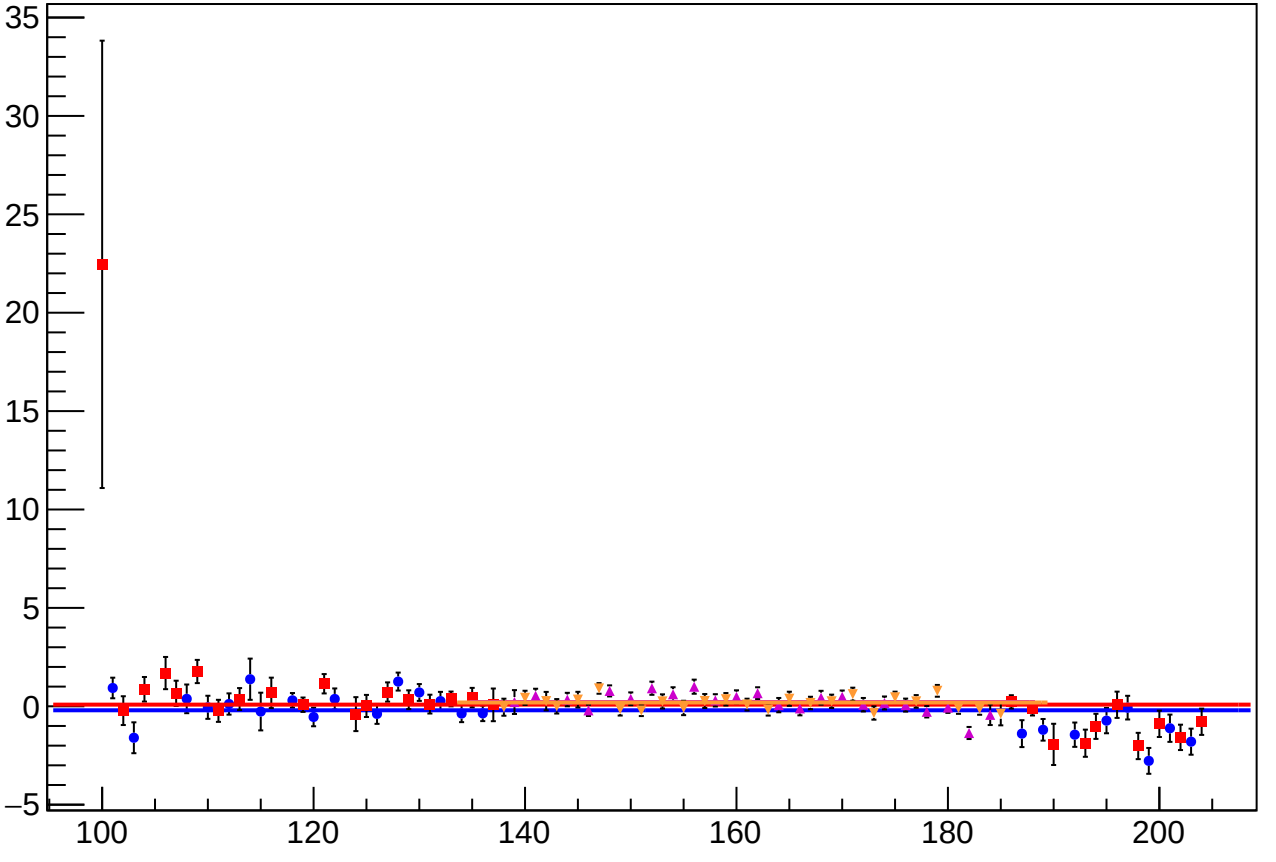
Right: -0.560+/-0.054 χ^2/NDF: 187.6/52

In: -0.263+/-0.058 χ^2/NDF:85.1/46

Out: -0.365+/-0.052 χ^2/NDF:198.3/53

All: -0.321+/-0.039 χ^2/NDF: 285.1/100

reg_asym_dsr_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.203+/-0.111 χ^2/NDF: 64.7/23

Left Out: 0.193+/-0.067 χ^2/NDF:25.9/24

Right Out: 0.084+/-0.103 χ^2/NDF: 63.4/28

Left In: 0.215+/-0.069 χ^2/NDF:55.1/22

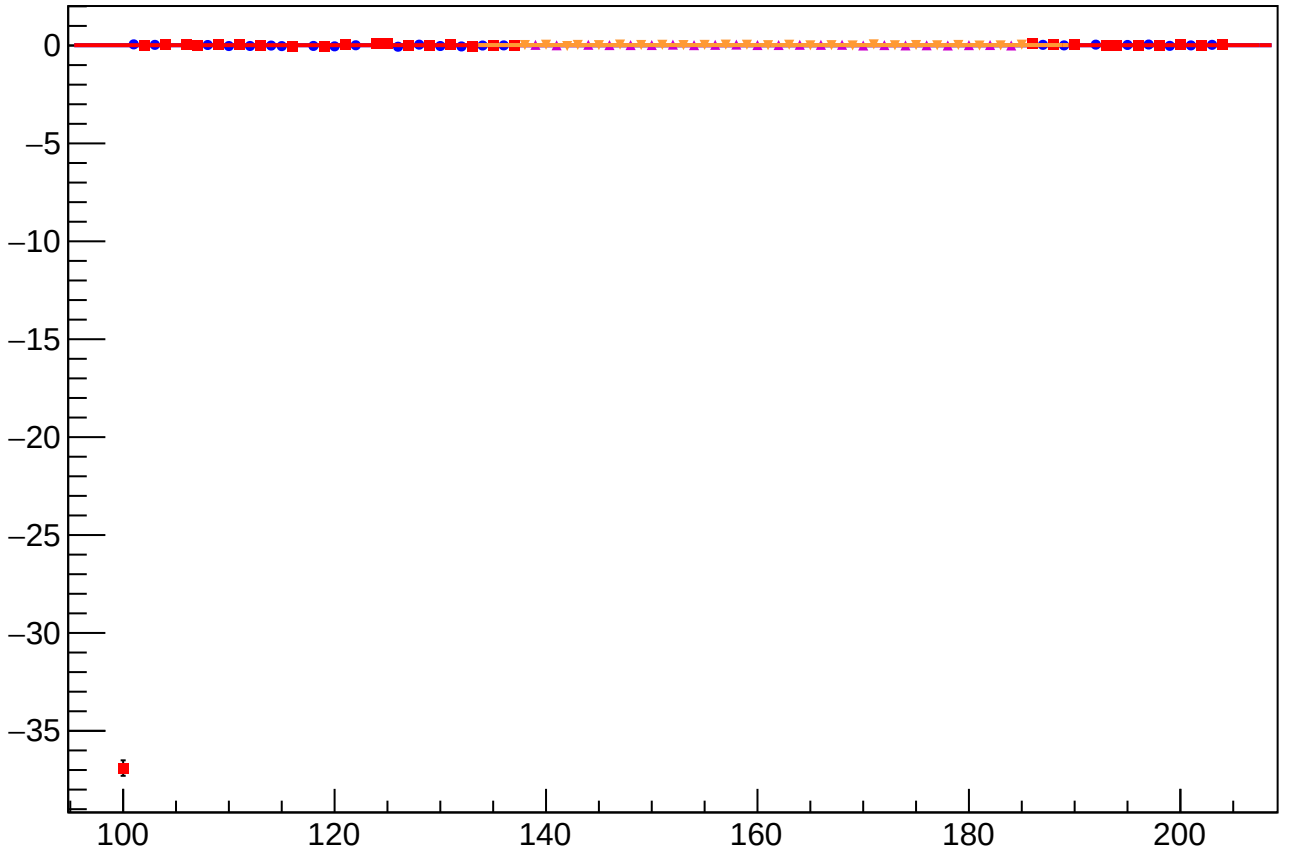
Left: 0.204+/-0.048 χ^2/NDF: 81.0/47

Right: -0.048+/-0.075 χ^2/NDF: 131.7/52

In: 0.098+/-0.059 χ^2/NDF:130.0/46

Out: 0.161+/-0.056 χ^2/NDF:90.0/53

All: 0.131+/-0.041 χ^2/NDF: 220.6/100



Right In: 0.013+/-0.005 χ^2/NDF: 28.5/23

Left Out: 0.024+/-0.003 χ^2/NDF:30.2/24

Right Out: 0.017+/-0.005 χ^2/NDF: 8777.9/28

Left In: 0.024+/-0.003 χ^2/NDF:18.0/22

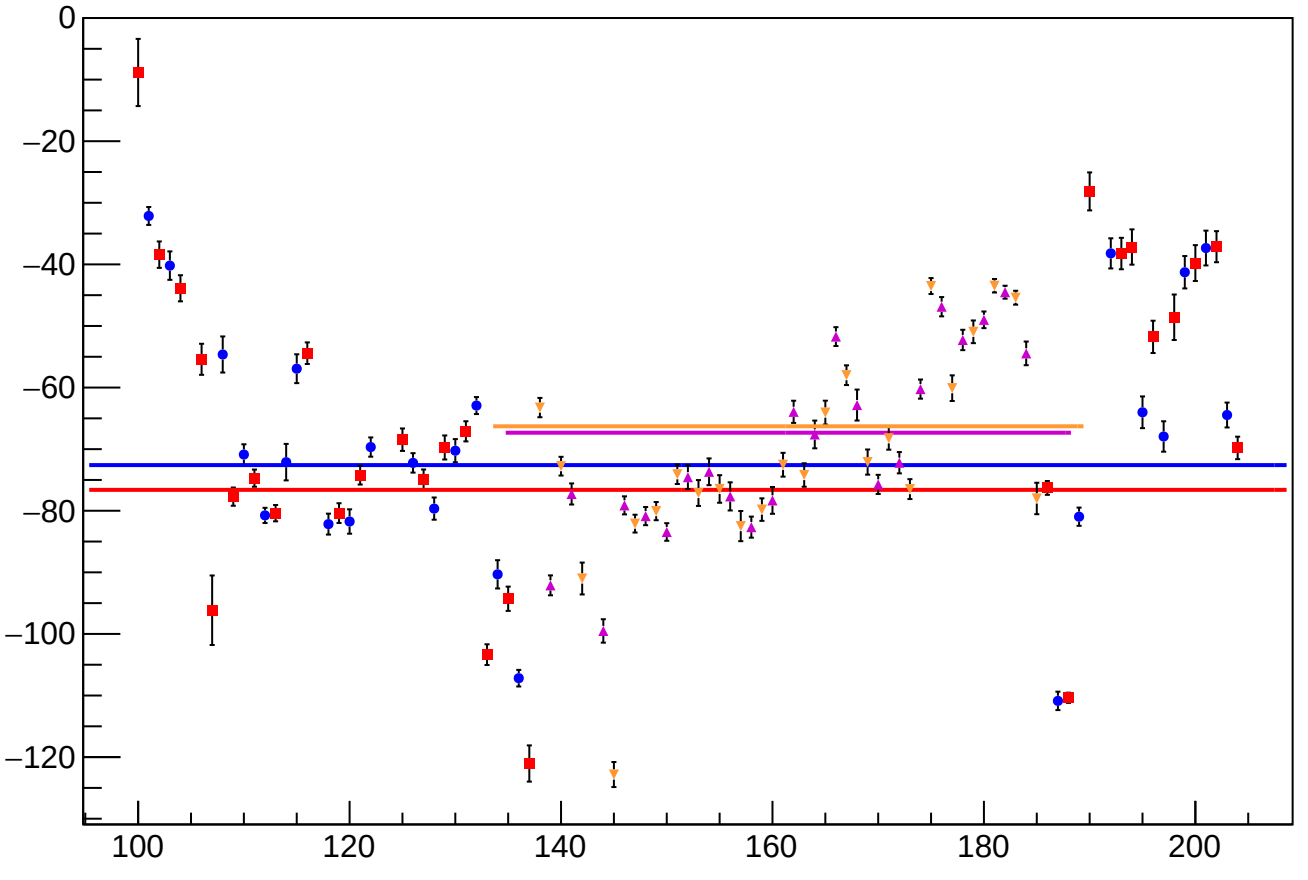
Left: 0.024+/-0.002 χ^2/NDF: 48.2/47

Right: 0.015+/-0.004 χ^2/NDF: 8806.7/52

In: 0.022+/-0.003 χ^2/NDF:49.6/46

Out: 0.022+/-0.003 χ^2/NDF:8809.8/53

All: 0.022+/-0.002 χ^2/NDF: 8859.4/100



Right In: -72.588+/-0.371 χ^2/NDF: 3150.2/23

Left Out: -66.289+/-0.344 χ^2/NDF:2550.4/23

Right Out: -76.608+/-0.337 χ^2/NDF: 4490.7/27

Left In: -67.331+/-0.345 χ^2/NDF:2102.6/22

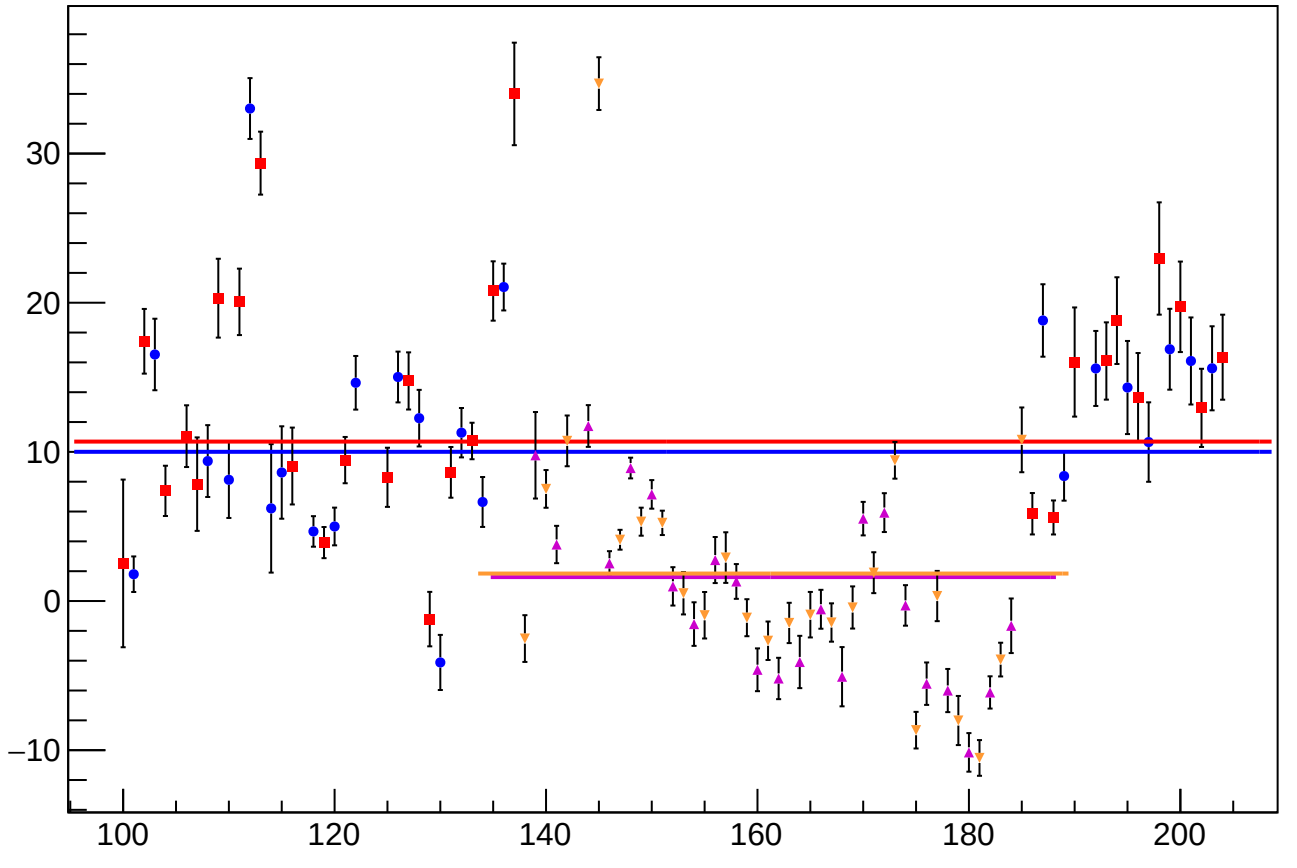
Left: -66.808+/-0.244 χ^2/NDF: 4657.6/46

Right: -74.793+/-0.249 χ^2/NDF: 7705.3/51

In: -69.769+/-0.253 χ^2/NDF:5360.4/46

Out: -71.557+/-0.241 χ^2/NDF:7501.0/51

All: -70.707+/-0.174 χ^2/NDF: 12887.7/98



Right In: 10.004+/-0.382 χ^2/NDF: 391.8/23

Left Out: 1.842+/-0.254 χ^2/NDF:781.5/23

Right Out: 10.690+/-0.369 χ^2/NDF: 361.9/27

Left In: 1.605+/-0.258 χ^2/NDF:496.6/22

Left: 1.726+/-0.181 χ^2/NDF: 1278.5/46

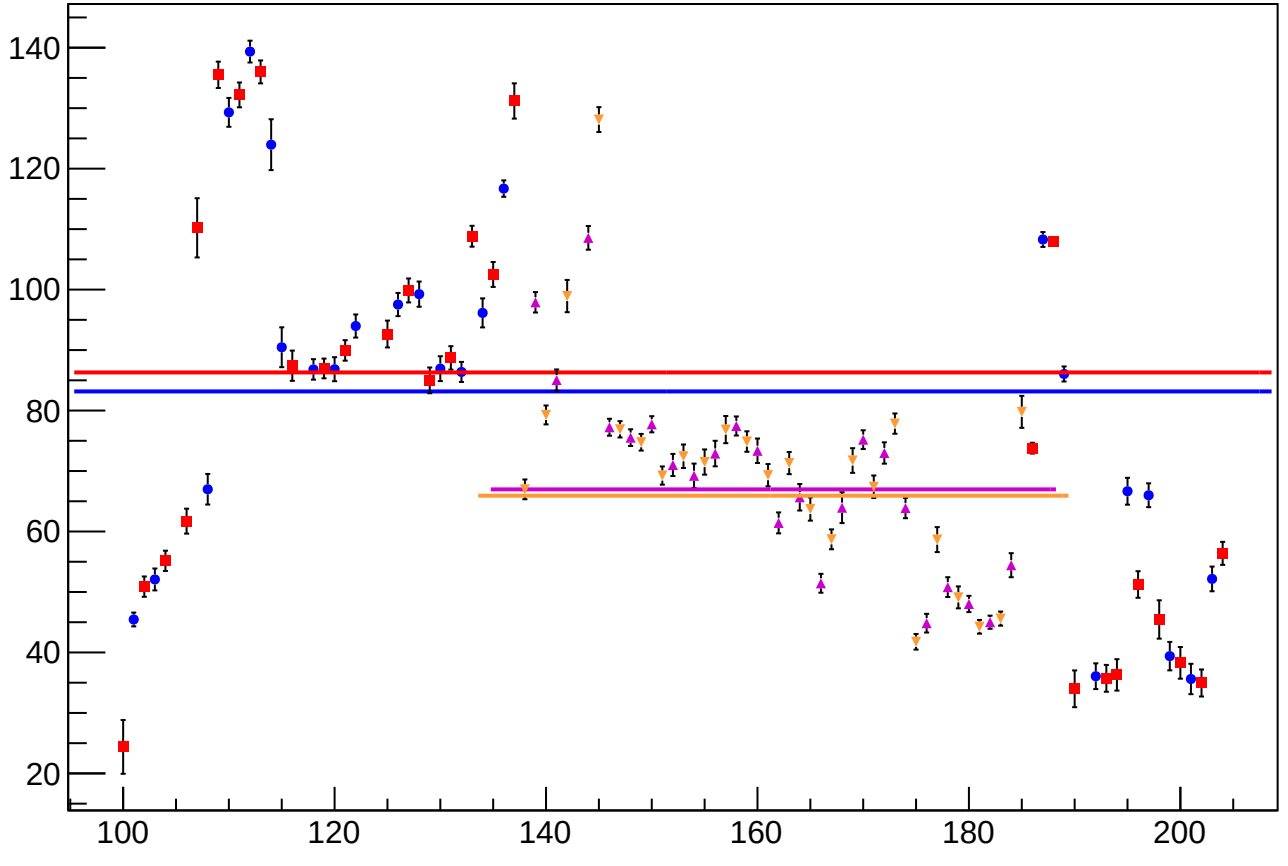
Right: 10.359+/-0.265 χ^2/NDF: 755.4/51

In: 4.242+/-0.214 χ^2/NDF:1220.0/46

Out: 4.696+/-0.209 χ^2/NDF:1533.4/51

All: 4.474+/-0.150 χ^2/NDF: 2755.7/98

reg_asym_us_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 83.162+/-0.375 χ^2/NDF: 5653.5/23

Left Out: 65.923+/-0.341 χ^2/NDF:2555.6/23

Right Out: 86.303+/-0.330 χ^2/NDF: 7351.6/27

Left In: 66.964+/-0.341 χ^2/NDF:2221.3/22

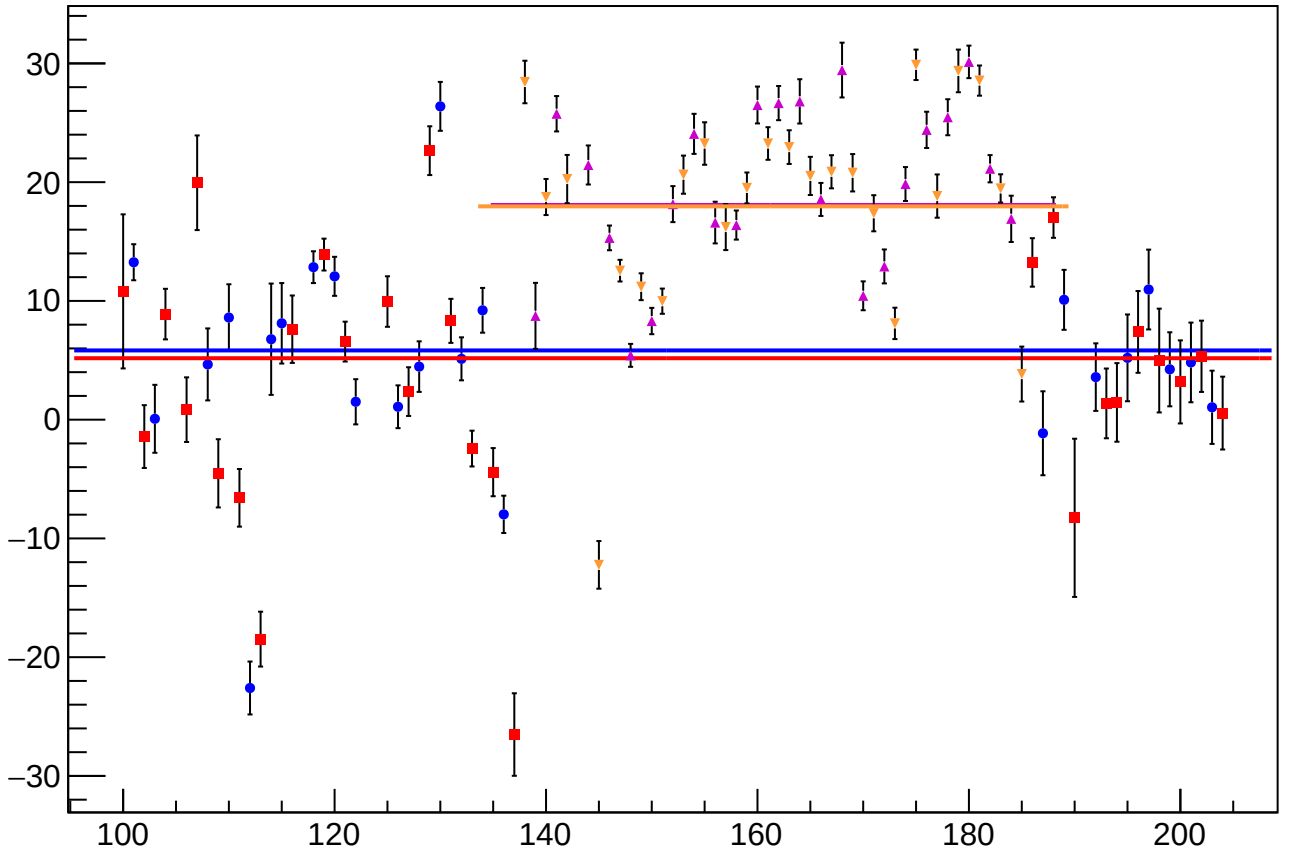
Left: 66.442+/-0.241 χ^2/NDF: 4781.6/46

Right: 84.930+/-0.248 χ^2/NDF: 13044.6/51

In: 74.307+/-0.252 χ^2/NDF:8896.4/46

Out: 76.431+/-0.237 χ^2/NDF:11754.1/51

All: 75.435+/-0.173 χ^2/NDF: 20688.1/98



Right In: 5.831+/-0.451 χ^2/NDF: 439.3/23

Left Out: 17.963+/-0.292 χ^2/NDF:732.1/23

Right Out: 5.175+/-0.443 χ^2/NDF: 496.7/27

Left In: 18.079+/-0.295 χ^2/NDF:605.0/22

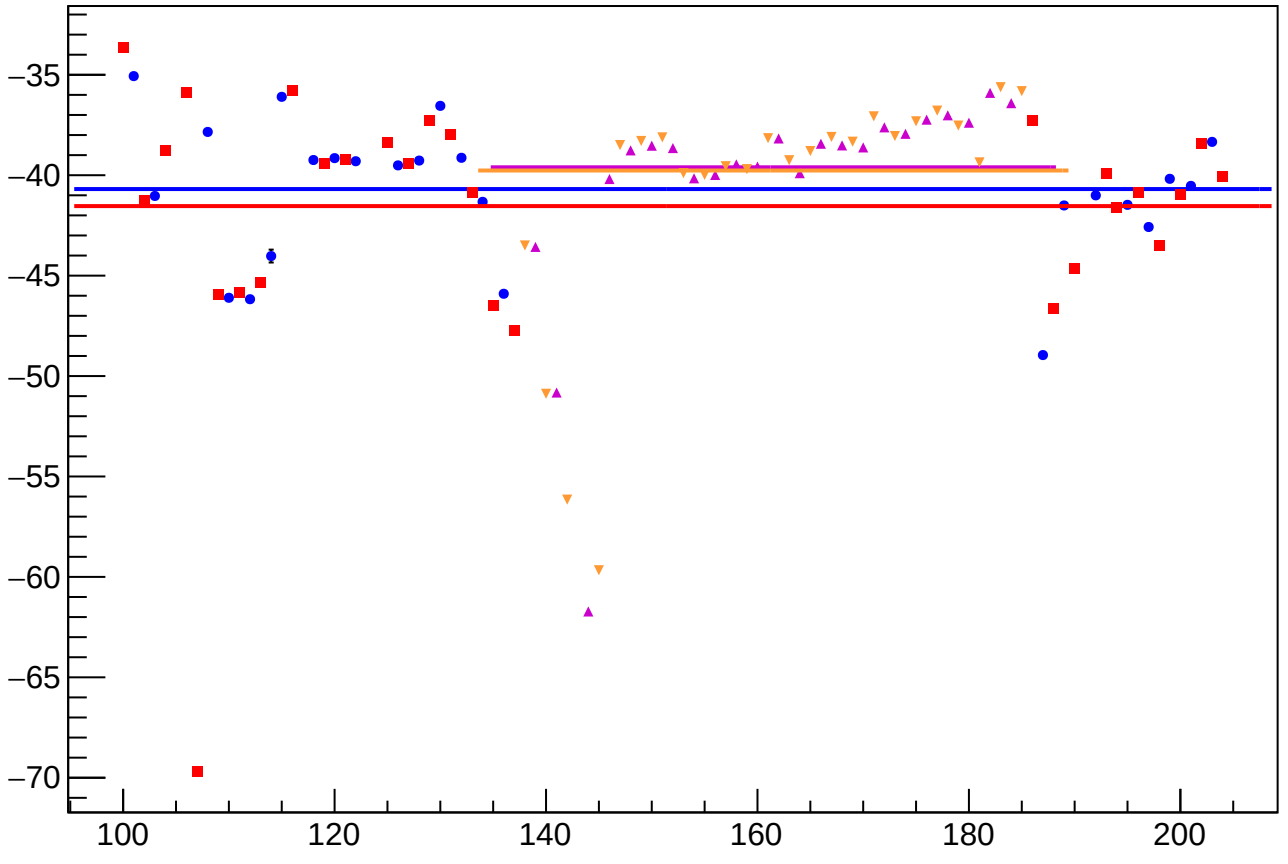
Left: 18.020+/-0.207 χ^2/NDF: 1337.2/46

Right: 5.497+/-0.316 χ^2/NDF: 937.1/51

In: 14.417+/-0.247 χ^2/NDF:1560.4/46

Out: 14.089+/-0.244 χ^2/NDF:1810.1/51

All: 14.251+/-0.173 χ^2/NDF: 3371.4/98



Right In: -40.689+/-0.023 χ^2/NDF: 20790.4/23

Left Out: -39.765+/-0.013 χ^2/NDF:129895.4/23

Right Out: -41.537+/-0.022 χ^2/NDF: 43270.0/27

Left In: -39.606+/-0.013 χ^2/NDF:106639.2/22

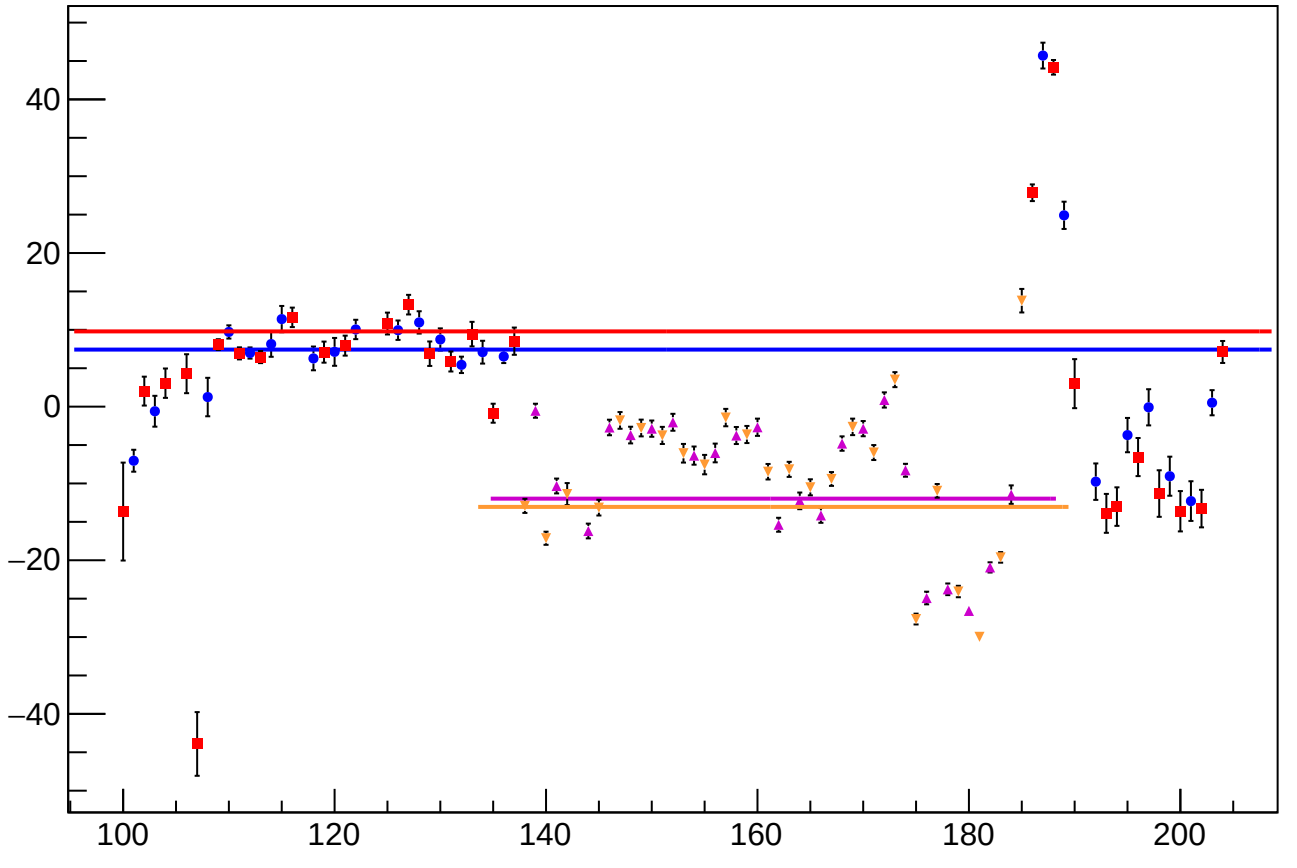
Left: -39.685+/-0.009 χ^2/NDF: 236604.6/46

Right: -41.122+/-0.016 χ^2/NDF: 64774.9/51

In: -39.886+/-0.012 χ^2/NDF:129120.8/46

Out: -40.242+/-0.012 χ^2/NDF:177823.0/51

All: -40.064+/-0.008 χ^2/NDF: 307422.7/98



Right In: 7.428+/-0.284 χ^2/NDF: 979.1/23

Left Out: -13.054+/-0.193 χ^2/NDF:2868.1/23

Right Out: 9.796+/-0.261 χ^2/NDF: 2379.0/27

Left In: -11.978+/-0.195 χ^2/NDF:2176.6/22

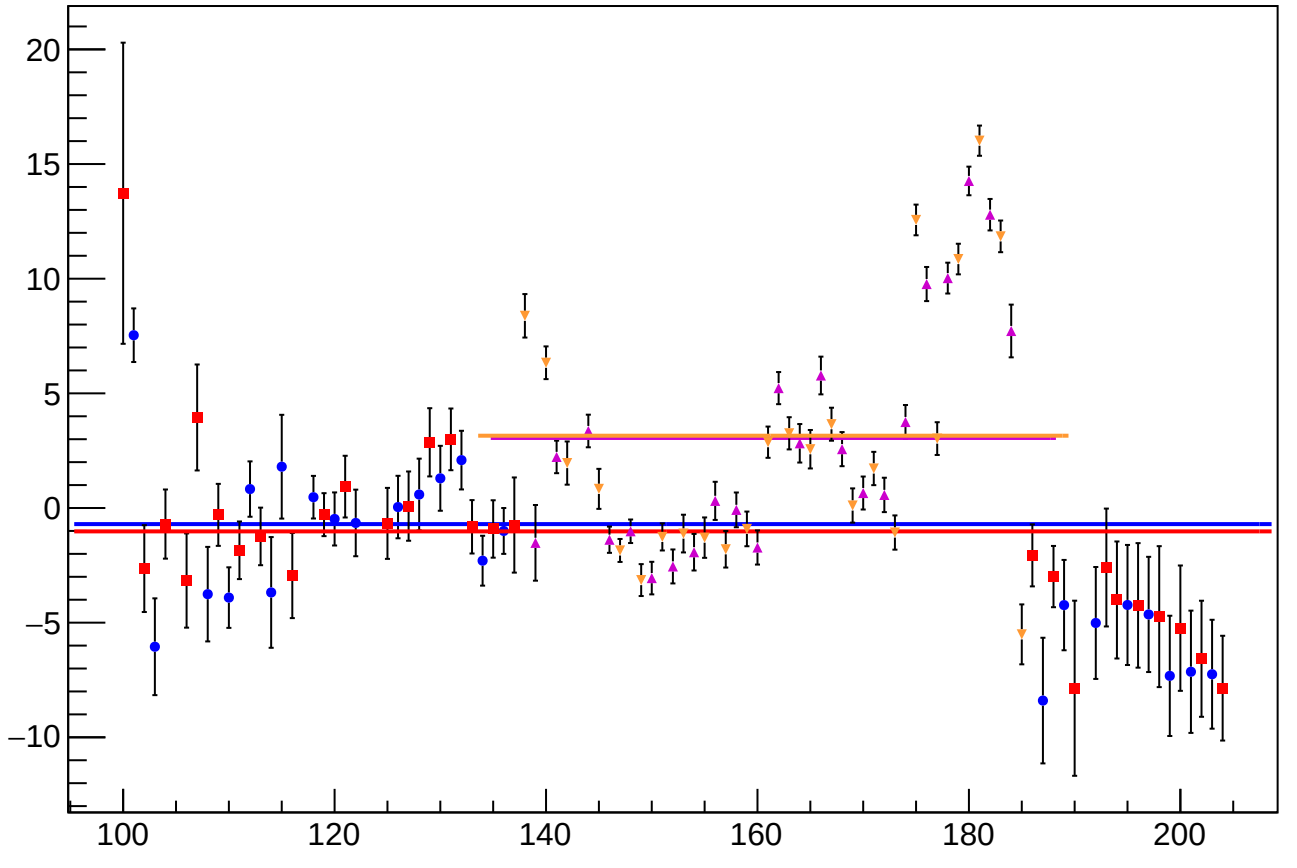
Left: -12.524+/-0.137 χ^2/NDF: 5060.1/46

Right: 8.714+/-0.192 χ^2/NDF: 3395.7/51

In: -5.751+/-0.161 χ^2/NDF:6317.8/46

Out: -4.986+/-0.155 χ^2/NDF:10207.9/51

All: -5.354+/-0.112 χ^2/NDF: 16537.5/98



Right In: -0.702+/-0.310 χ^2/NDF: 118.4/23

Left Out: 3.153+/-0.149 χ^2/NDF:1385.1/23

Right Out: -1.020+/-0.307 χ^2/NDF: 59.2/27

Left In: 3.055+/-0.152 χ^2/NDF:1145.0/22

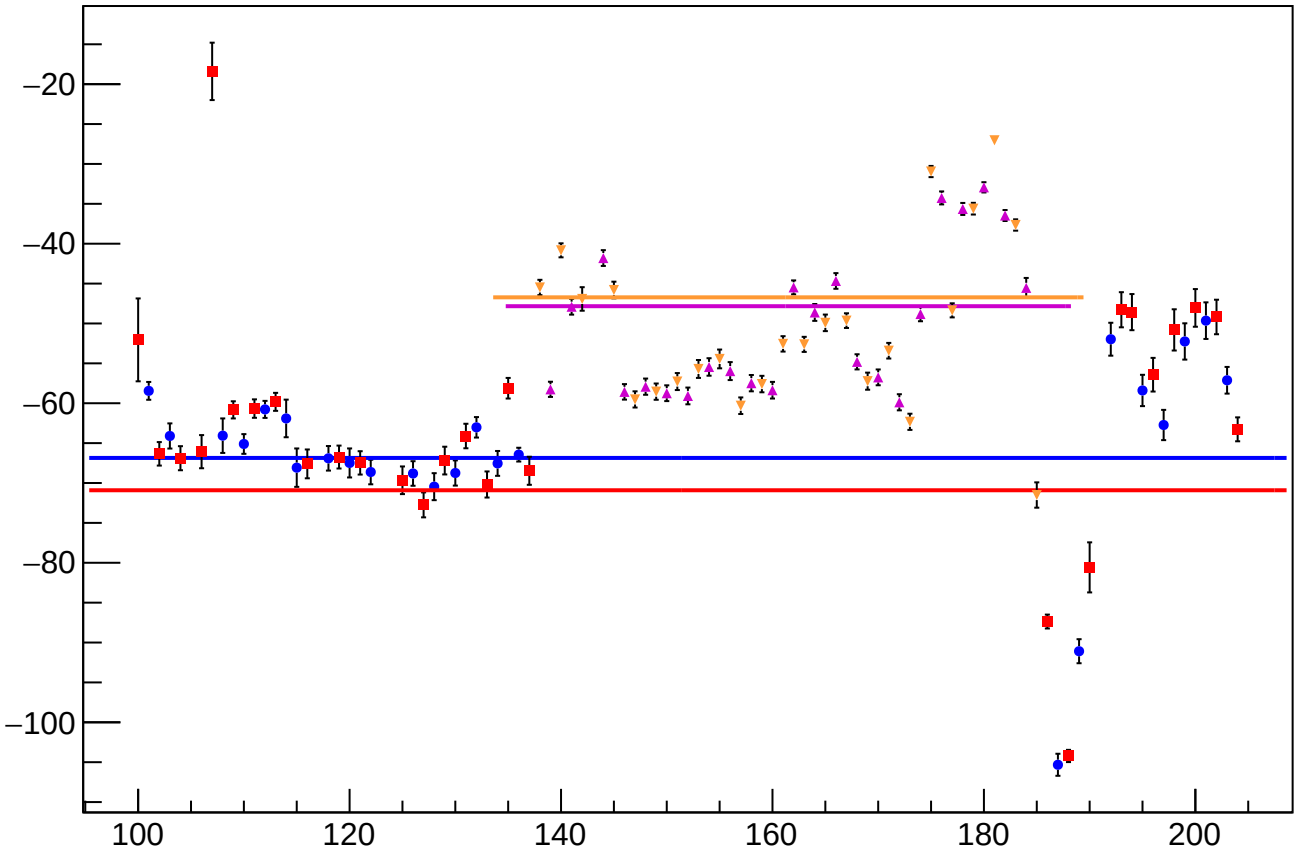
Left: 3.105+/-0.106 χ^2/NDF: 2530.3/46

Right: -0.862+/-0.218 χ^2/NDF: 178.1/51

In: 2.326+/-0.136 χ^2/NDF:1382.1/46

Out: 2.355+/-0.134 χ^2/NDF:1594.0/51

All: 2.340+/-0.096 χ^2/NDF: 2976.1/98



Right In: -66.857+/-0.309 χ^2/NDF: 1359.5/23

Left Out: -46.724+/-0.192 χ^2/NDF:3446.1/23

Right Out: -70.910+/-0.284 χ^2/NDF: 3442.1/27

Left In: -47.835+/-0.194 χ^2/NDF:2557.6/22

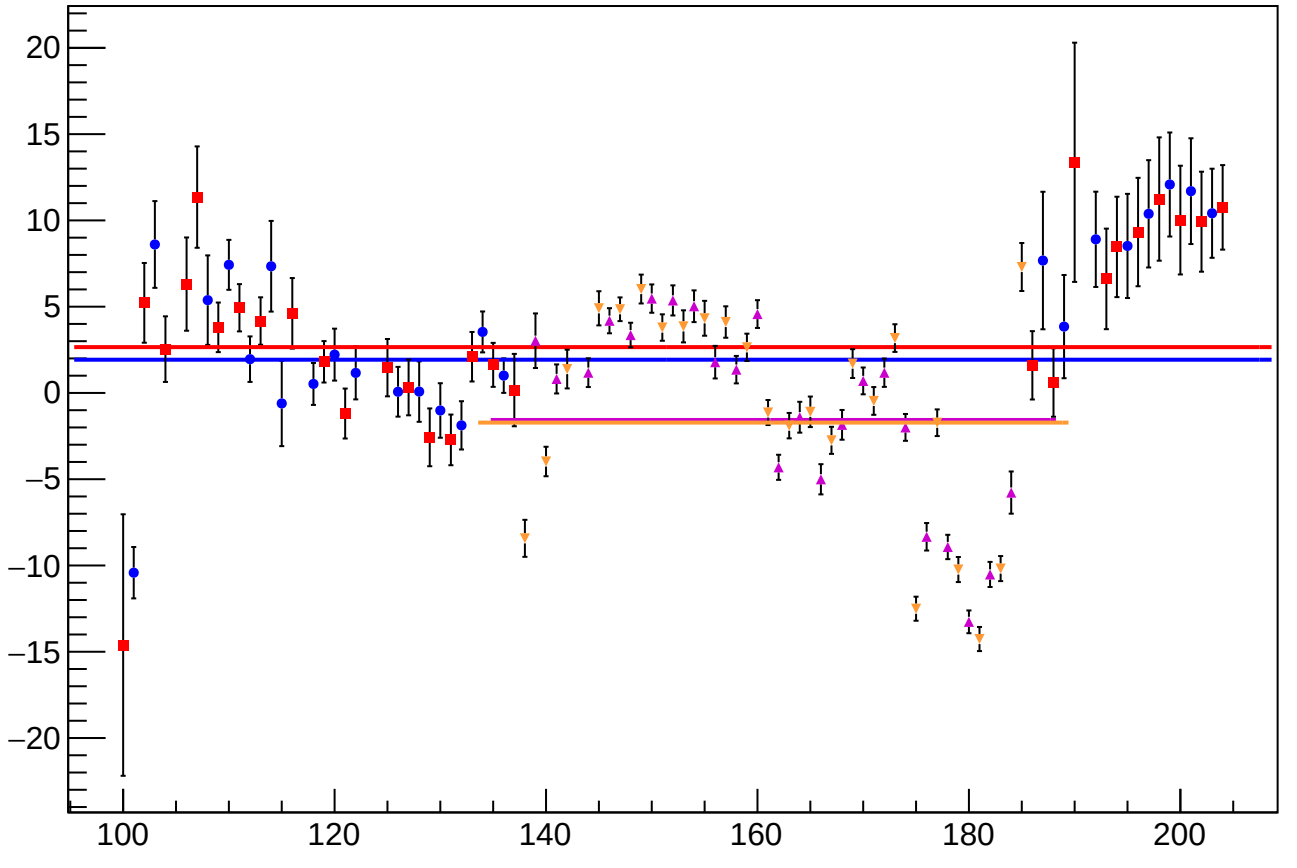
Left: -47.273+/-0.136 χ^2/NDF: 6020.3/46

Right: -69.058+/-0.209 χ^2/NDF: 4894.9/51

In: -53.201+/-0.164 χ^2/NDF:6633.4/46

Out: -54.300+/-0.159 χ^2/NDF:11882.3/51

All: -53.769+/-0.114 χ^2/NDF: 18538.8/98



Right In: 1.926+/-0.354 χ^2/NDF: 168.6/23

Left Out: -1.718+/-0.168 χ^2/NDF:1406.1/23

Right Out: 2.656+/-0.355 χ^2/NDF: 100.6/27

Left In: -1.567+/-0.171 χ^2/NDF:1117.7/22

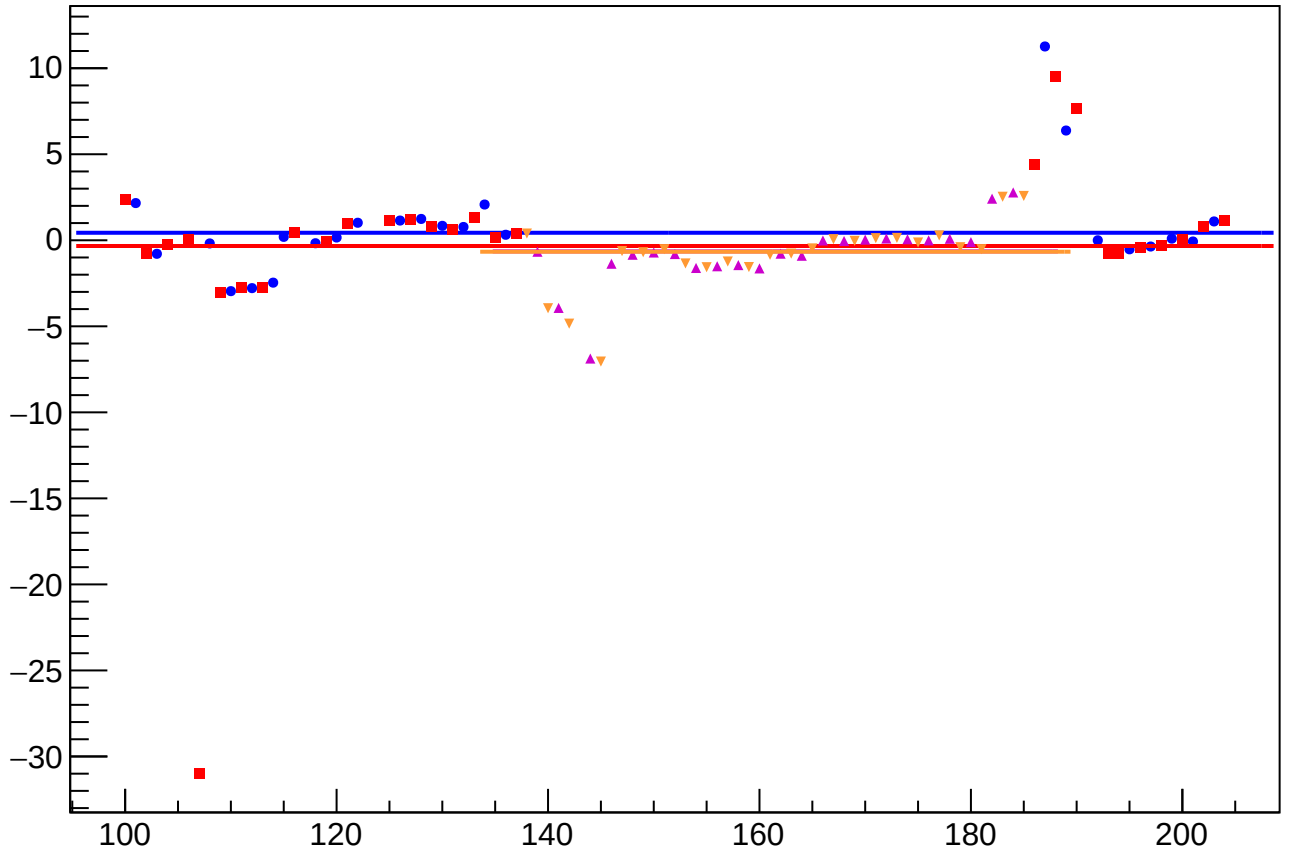
Left: -1.644+/-0.120 χ^2/NDF: 2524.2/46

Right: 2.290+/-0.251 χ^2/NDF: 271.3/51

In: -0.909+/-0.154 χ^2/NDF:1365.3/46

Out: -0.921+/-0.152 χ^2/NDF:1630.6/51

All: -0.915+/-0.108 χ^2/NDF: 2995.9/98



Right In: 0.437+/-0.018 χ^2/NDF: 9709.4/23

Left Out: -0.666+/-0.008 χ^2/NDF:55276.7/23

Right Out: -0.333+/-0.018 χ^2/NDF: 60333.8/27

Left In: -0.646+/-0.008 χ^2/NDF:45569.5/22

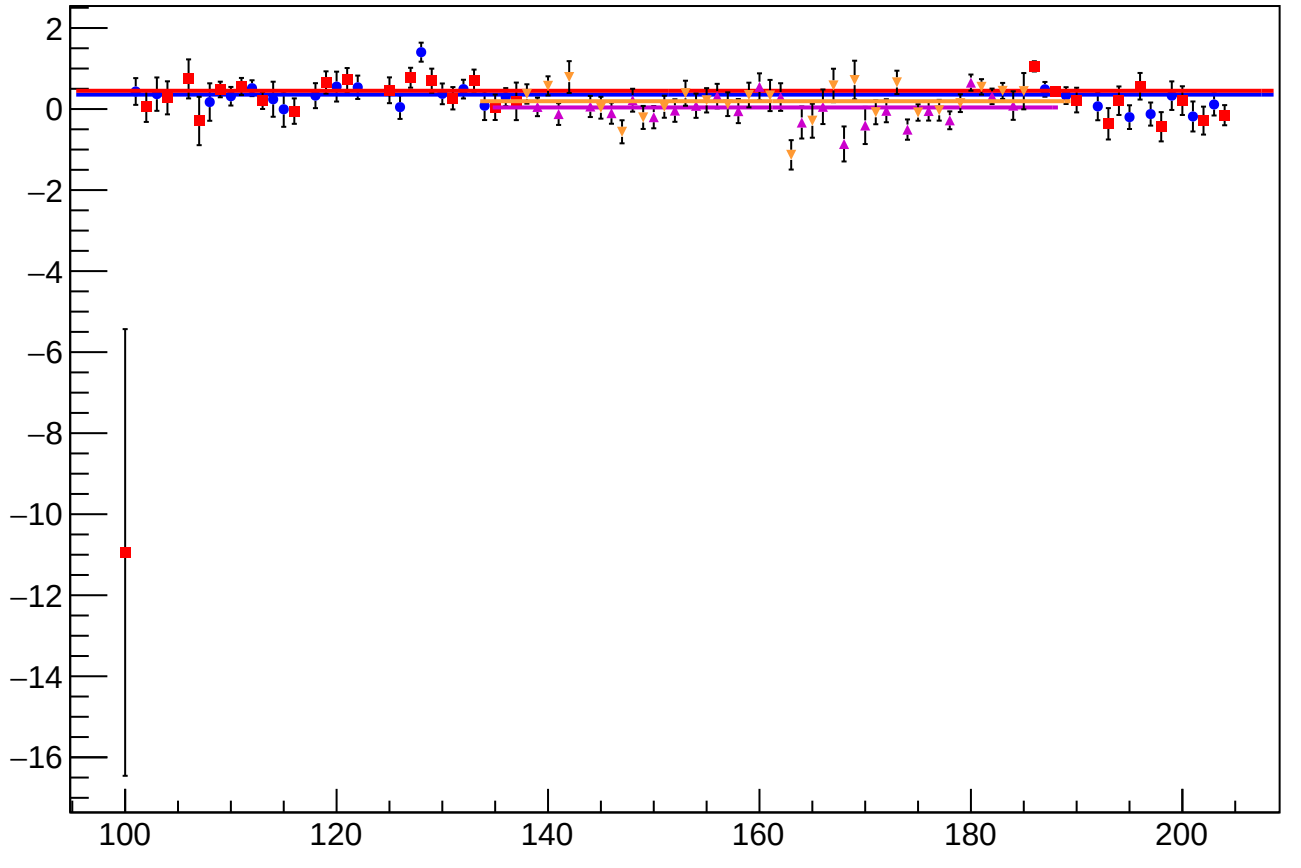
Left: -0.656+/-0.005 χ^2/NDF: 100849.5/46

Right: 0.055+/-0.013 χ^2/NDF: 70937.3/51

In: -0.486+/-0.007 χ^2/NDF:58322.5/46

Out: -0.617+/-0.007 χ^2/NDF:115895.0/51

All: -0.552+/-0.005 χ^2/NDF: 174396.0/98



Right In: 0.356+/-0.057 χ^2/NDF: 35.1/23

Left Out: 0.194+/-0.057 χ^2/NDF:44.2/23

Right Out: 0.451+/-0.048 χ^2/NDF: 63.9/27

Left In: 0.039+/-0.058 χ^2/NDF:30.5/22

Left: 0.118+/-0.040 χ^2/NDF: 78.4/46

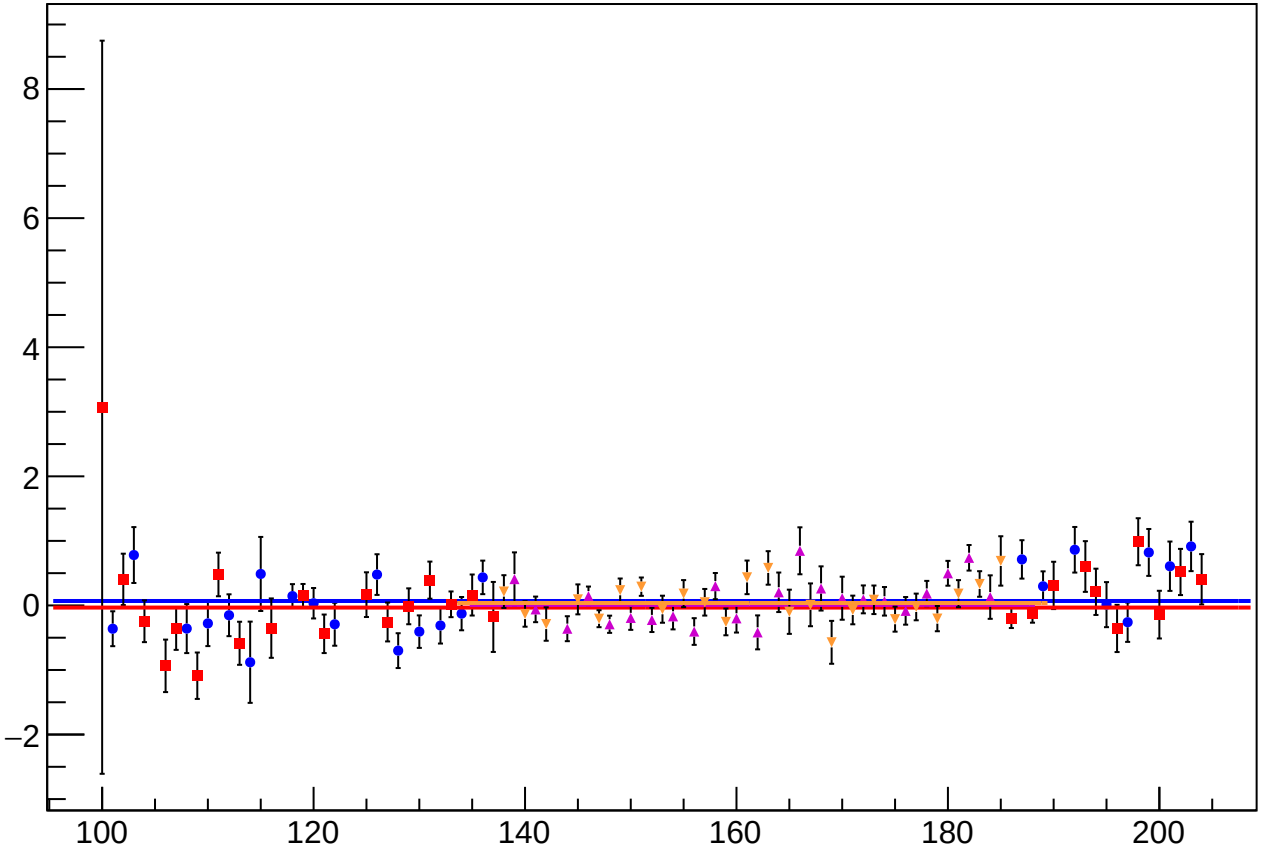
Right: 0.411+/-0.037 χ^2/NDF: 100.6/51

In: 0.201+/-0.040 χ^2/NDF:81.0/46

Out: 0.344+/-0.037 χ^2/NDF:120.1/51

All: 0.279+/-0.027 χ^2/NDF: 208.0/98

reg_asym_ds_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.069+/-0.061 χ^2/NDF: 52.9/23

Left Out: 0.038+/-0.043 χ^2/NDF:32.8/23

Right Out: -0.033+/-0.055 χ^2/NDF: 46.1/27

Left In: 0.008+/-0.044 χ^2/NDF:51.4/22

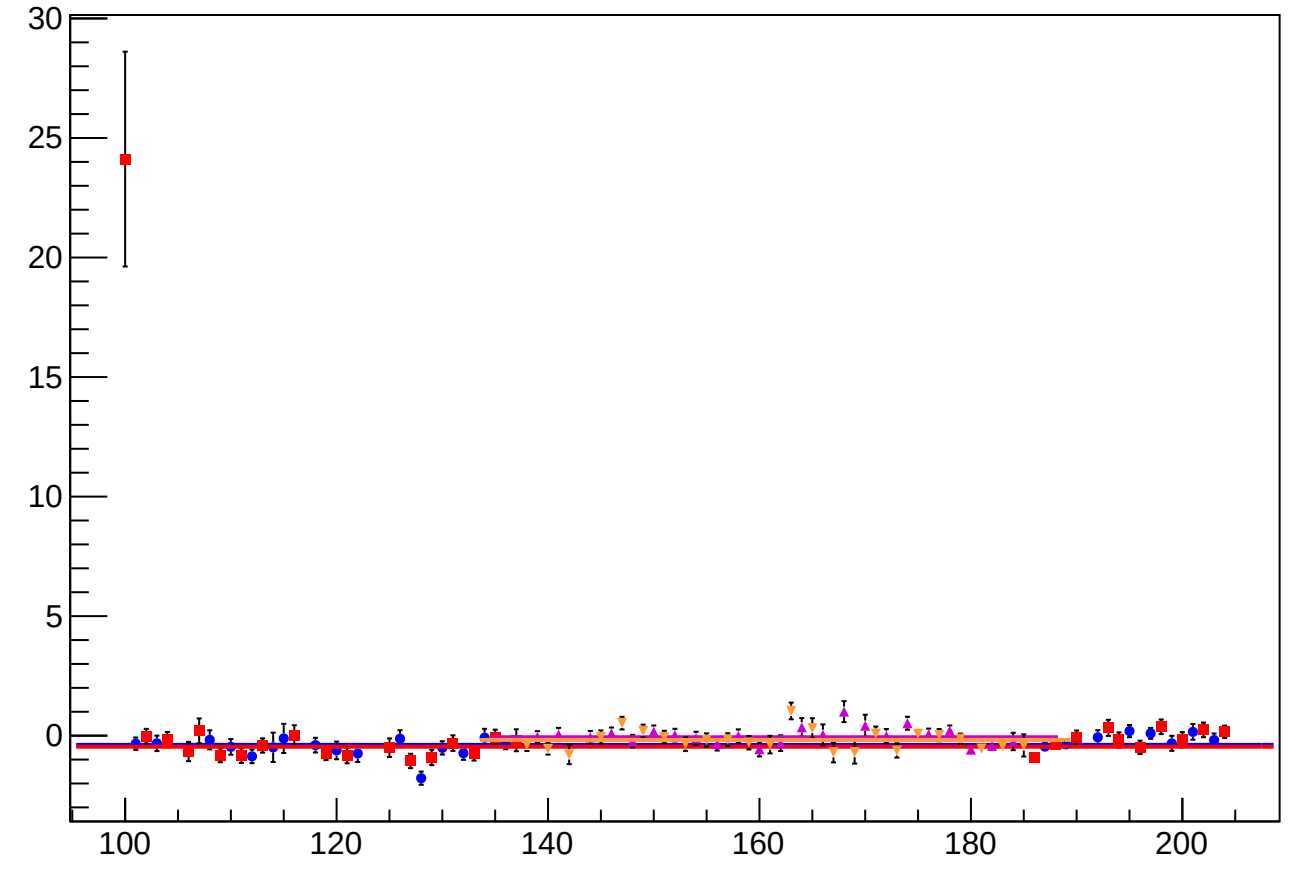
Left: 0.023+/-0.031 χ^2/NDF: 84.4/46

Right: 0.012+/-0.041 χ^2/NDF: 100.6/51

In: 0.029+/-0.036 χ^2/NDF:105.0/46

Out: 0.011+/-0.034 χ^2/NDF:79.9/51

All: 0.019+/-0.025 χ^2/NDF: 185.0/98



Right In: -0.385+/-0.056 χ^2/NDF: 47.3/23

Left Out: -0.178+/-0.056 χ^2/NDF:42.1/23

Right Out: -0.463+/-0.045 χ^2/NDF: 96.2/27

Left In: -0.066+/-0.057 χ^2/NDF:31.4/22

Left: -0.123+/-0.040 χ^2/NDF: 75.5/46

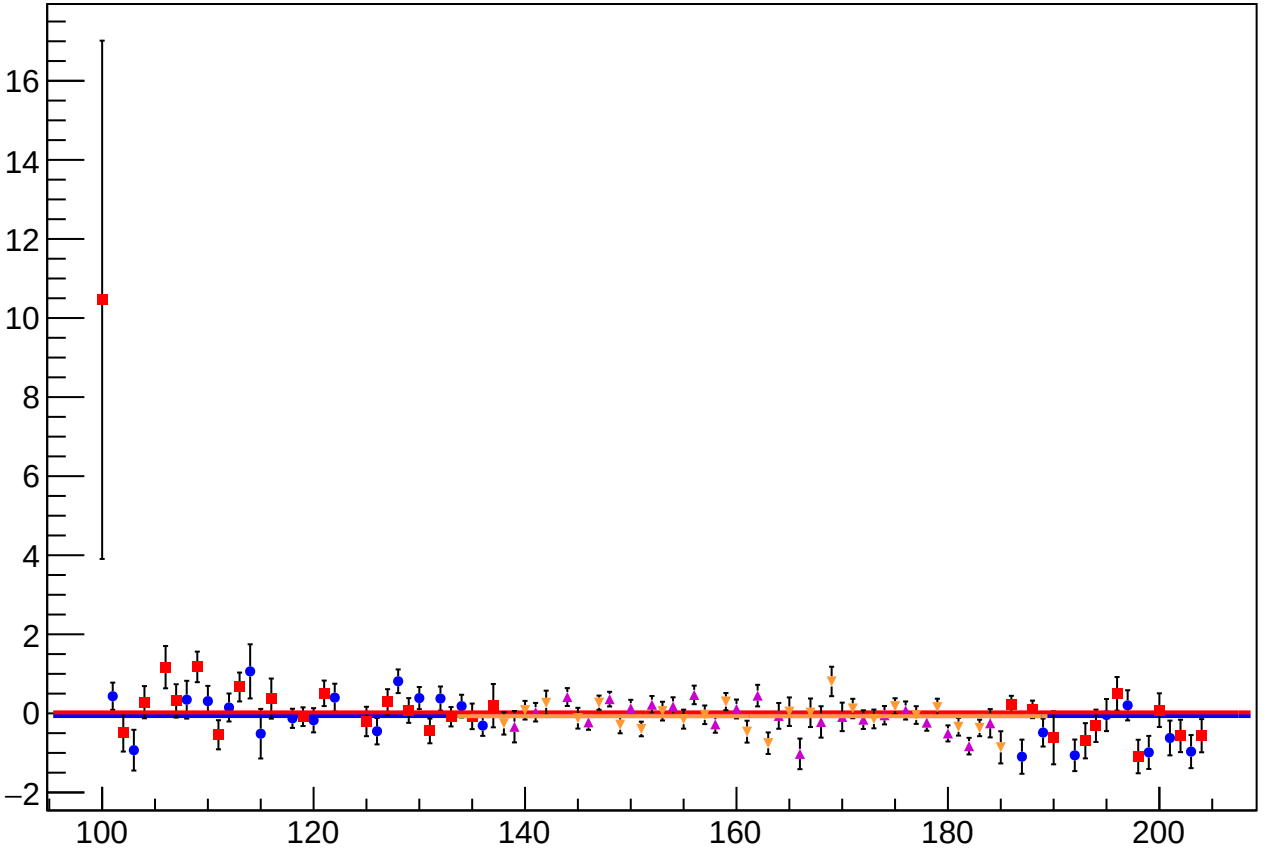
Right: -0.432+/-0.035 χ^2/NDF: 144.6/51

In: -0.226+/-0.040 χ^2/NDF:94.5/46

Out: -0.350+/-0.035 χ^2/NDF:153.8/51

All: -0.296+/-0.027 χ^2/NDF: 253.7/98

reg_asym_ds_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.067+/-0.072 χ^2/NDF: 53.3/23

Left Out: -0.072+/-0.049 χ^2/NDF:37.7/23

Right Out: 0.025+/-0.067 χ^2/NDF: 47.3/27

Left In: -0.047+/-0.050 χ^2/NDF:50.5/22

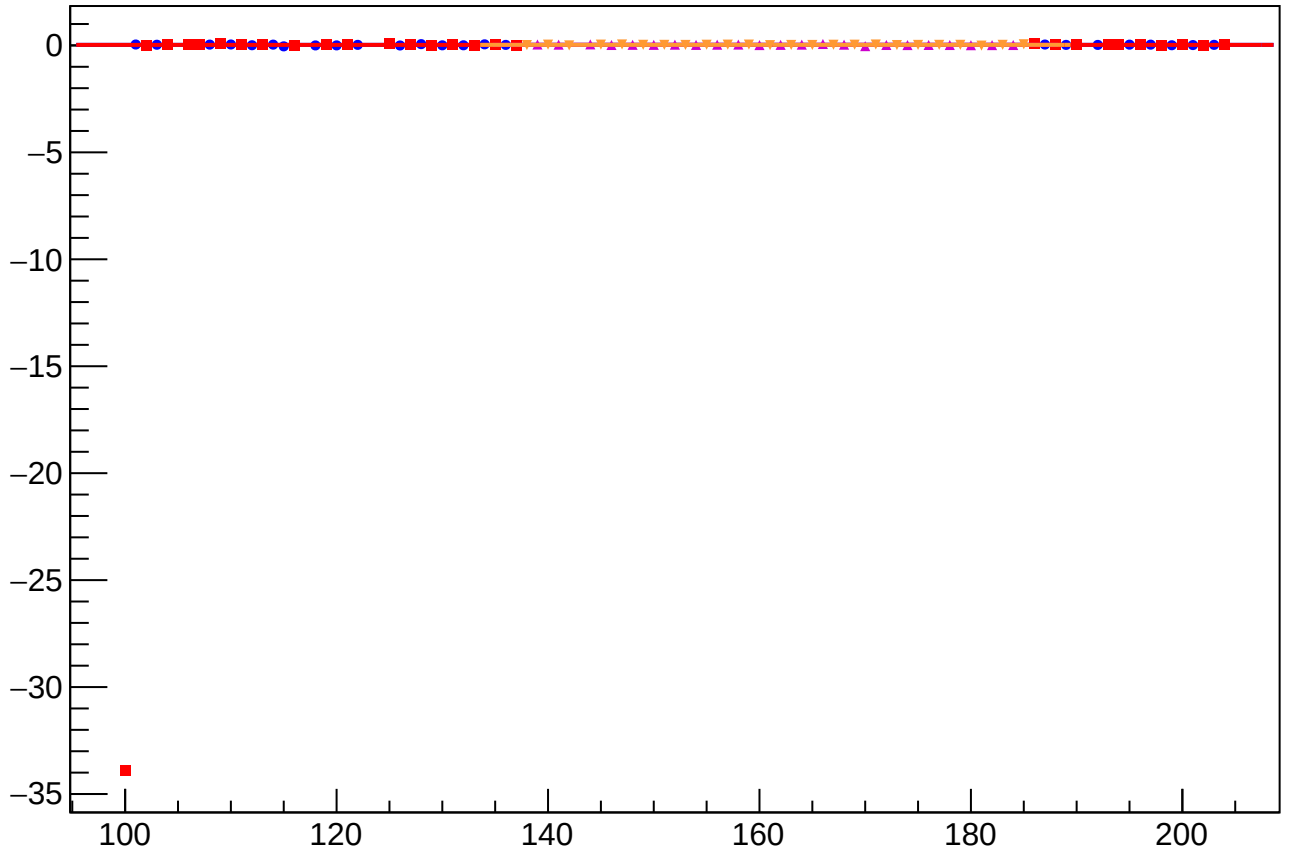
Left: -0.060+/-0.035 χ^2/NDF: 88.3/46

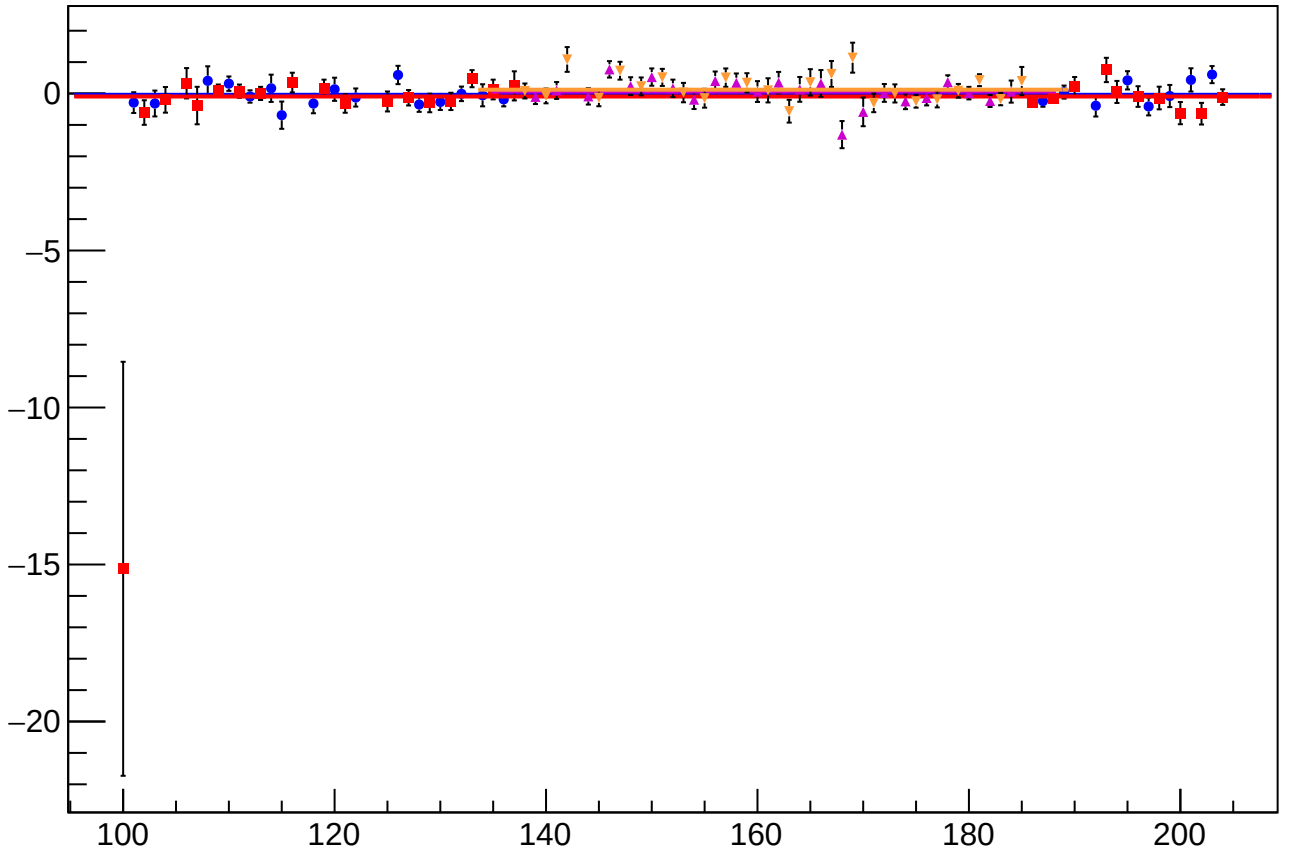
Right: -0.018+/-0.049 χ^2/NDF: 101.5/51

In: -0.054+/-0.041 χ^2/NDF:103.8/46

Out: -0.038+/-0.040 χ^2/NDF:86.4/51

All: -0.046+/-0.029 χ^2/NDF: 190.3/98


reg_asym_ds_avg_diff_bpm12X_slope vs Slug, Sign Corrected
0
−5
−10
−15
−20
−25
−30
−35
100
120
140
160
180
200
Right In: 0.026+/-0.003 χ²/NDF: 19.2/23
Left Out: 0.026+/-0.002 χ²/NDF:31.4/23
Right Out: 0.024+/-0.003 χ²/NDF: 22309.7/27
Left In: 0.026+/-0.002 χ²/NDF:39.5/22
Left: 0.026+/-0.002 χ²/NDF: 70.9/46
Right: 0.025+/-0.002 χ²/NDF: 22329.2/51
In: 0.026+/-0.002 χ²/NDF:58.7/46
Out: 0.025+/-0.002 χ²/NDF:22341.6/51
All: 0.026+/-0.001 χ²/NDF: 22400.4/98



Right In: -0.041+/-0.057 χ^2/NDF: 29.5/23

Left Out: 0.122+/-0.057 χ^2/NDF:39.6/23

Right Out: -0.095+/-0.048 χ^2/NDF: 33.5/27

Left In: 0.063+/-0.058 χ^2/NDF:34.2/22

Left: 0.093+/-0.040 χ^2/NDF: 74.4/46

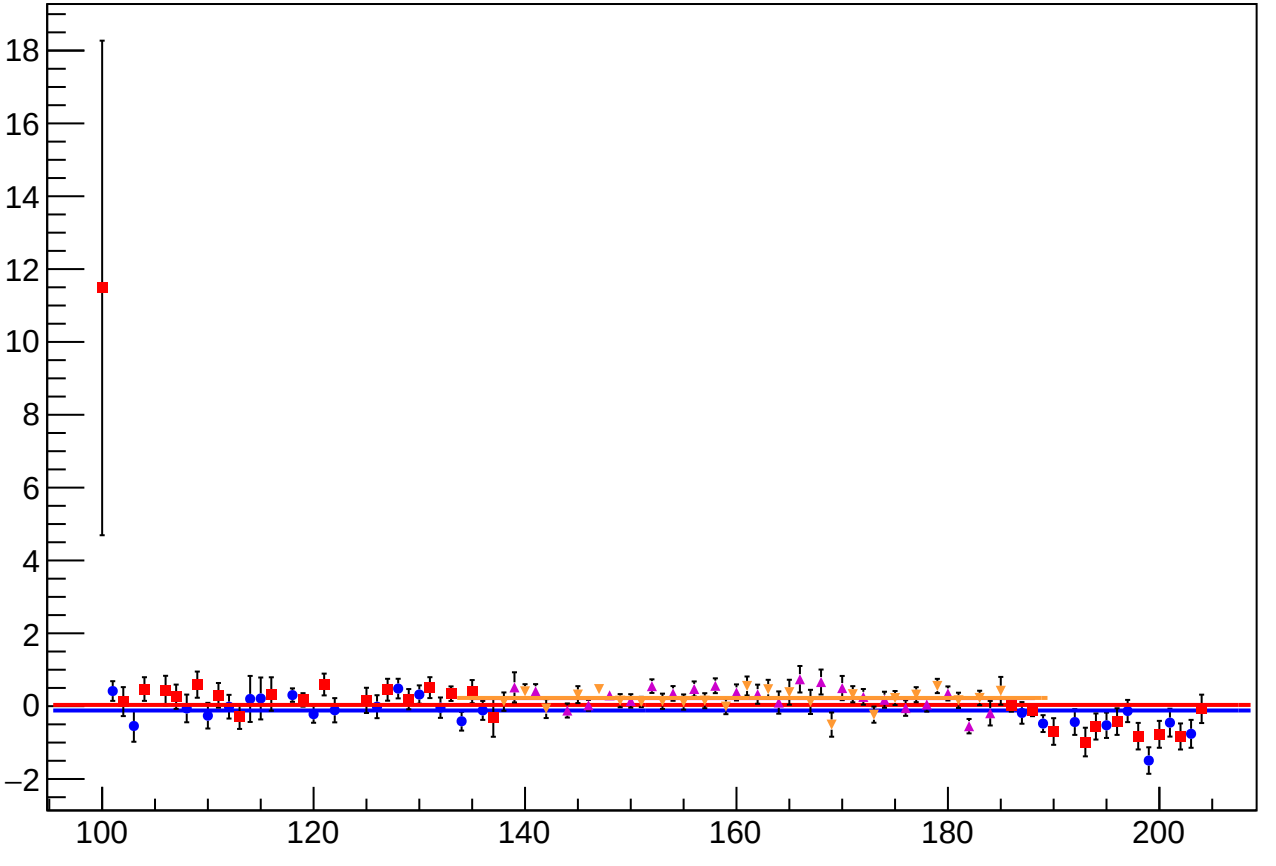
Right: -0.073+/-0.037 χ^2/NDF: 63.5/51

In: 0.010+/-0.040 χ^2/NDF:65.4/46

Out: -0.005+/-0.037 χ^2/NDF:81.7/51

All: 0.002+/-0.027 χ^2/NDF: 147.2/98

reg_asym_ds_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.119+/-0.061 χ^2/NDF: 43.1/23

Left Out: 0.225+/-0.043 χ^2/NDF:24.1/23

Right Out: 0.034+/-0.055 χ^2/NDF: 56.2/27

Left In: 0.221+/-0.044 χ^2/NDF:39.3/22

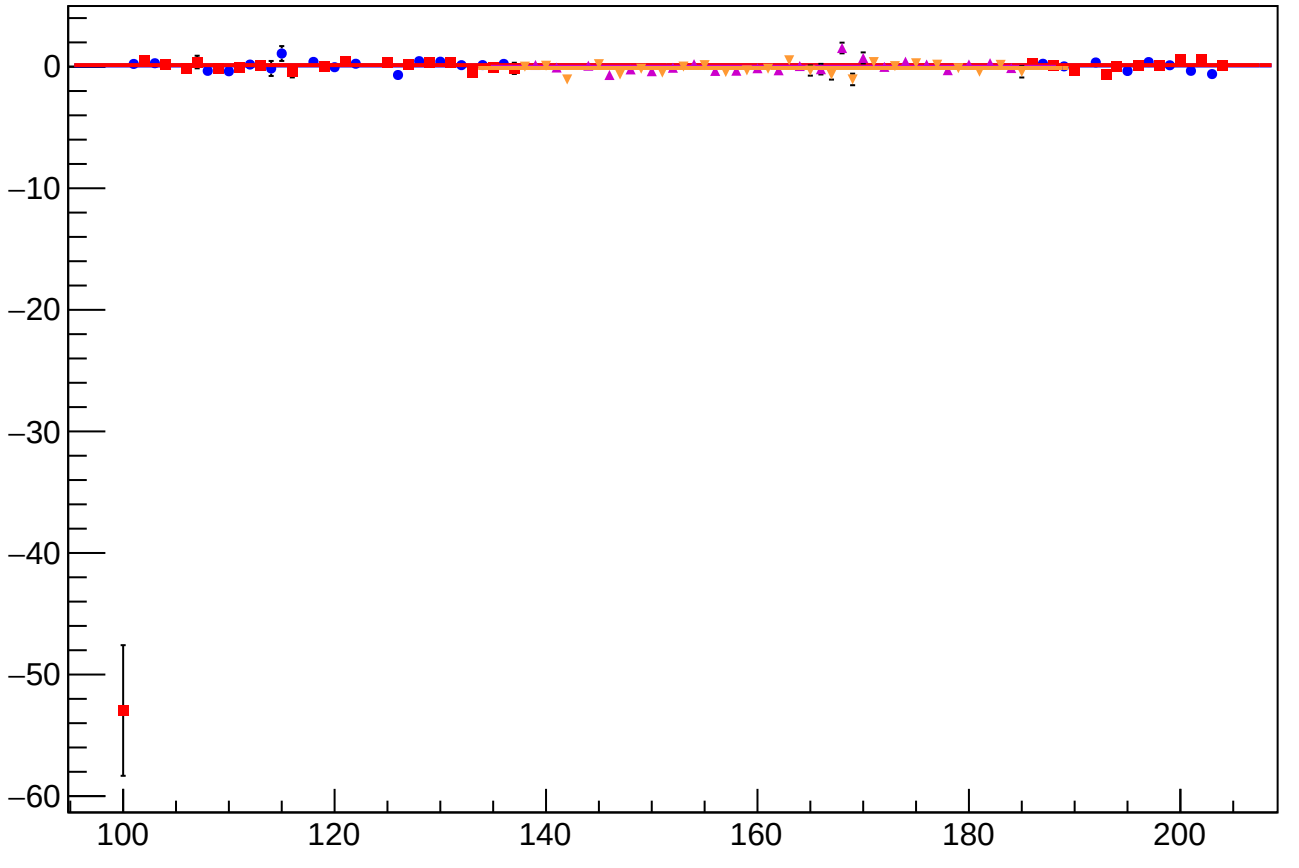
Left: 0.223+/-0.031 χ^2/NDF: 63.4/46

Right: -0.035+/-0.041 χ^2/NDF: 102.8/51

In: 0.105+/-0.036 χ^2/NDF:102.8/46

Out: 0.152+/-0.034 χ^2/NDF:87.7/51

All: 0.130+/-0.025 χ^2/NDF: 191.4/98



Right In: 0.101+/-0.056 χ^2/NDF: 30.9/23

Left Out: -0.105+/-0.056 χ^2/NDF:37.6/23

Right Out: 0.132+/-0.045 χ^2/NDF: 122.6/27

Left In: -0.009+/-0.057 χ^2/NDF:38.0/22

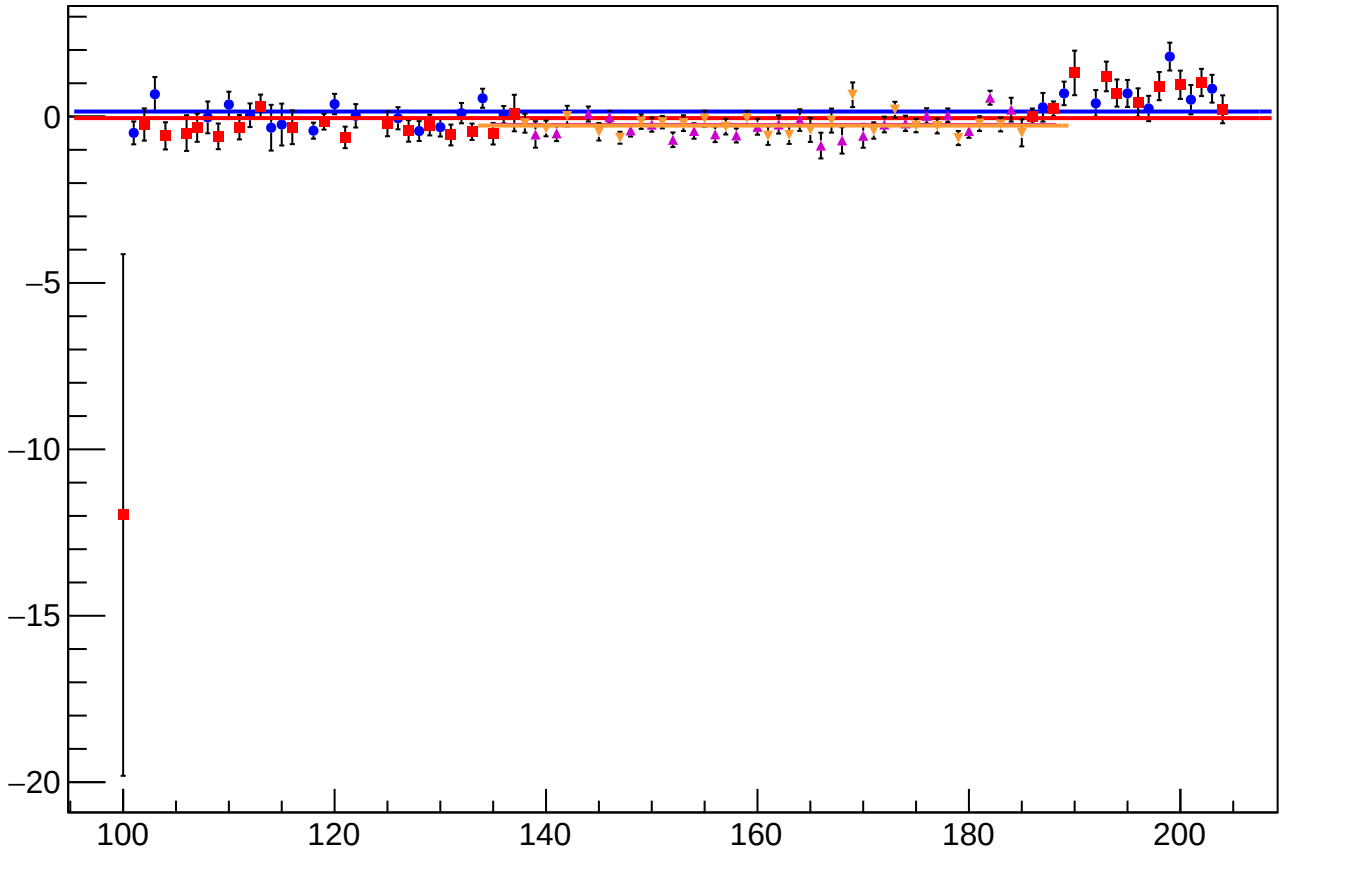
Left: -0.058+/-0.040 χ^2/NDF: 77.0/46

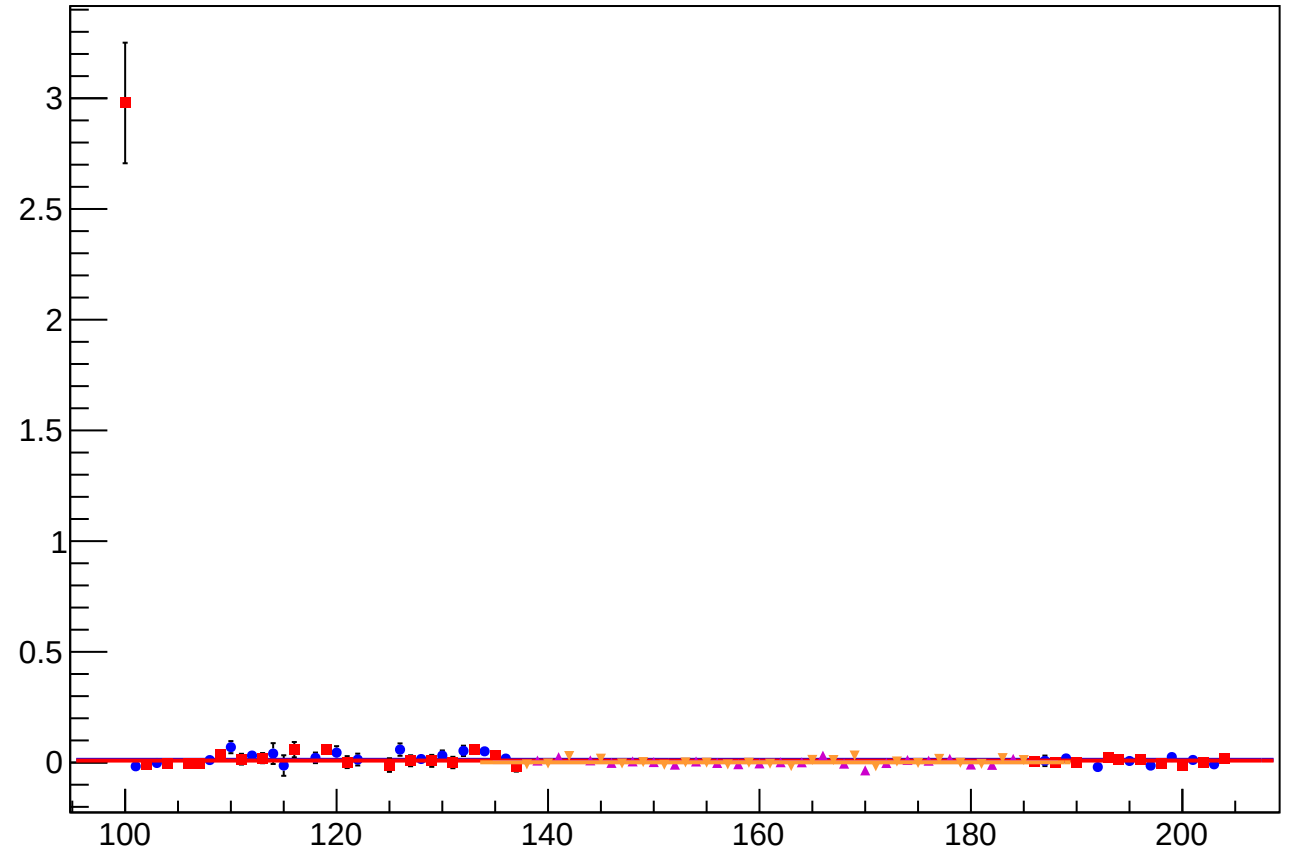
Right: 0.120+/-0.035 χ^2/NDF: 153.7/51

In: 0.046+/-0.040 χ^2/NDF:70.8/46

Out: 0.038+/-0.035 χ^2/NDF:170.9/51

All: 0.042+/-0.027 χ^2/NDF: 241.7/98


reg_asym_ds_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
0
−5
−10
−15
−20
100
120
140
160
180
200
Right In: 0.150+/-0.072 χ²/NDF: 45.0/23
Left Out: -0.272+/-0.049 χ²/NDF:24.8/23
Right Out: -0.048+/-0.067 χ²/NDF: 58.4/27
Left In: -0.254+/-0.050 χ²/NDF:40.6/22
Left: -0.263+/-0.035 χ²/NDF: 65.5/46
Right: 0.045+/-0.049 χ²/NDF: 107.4/51
In: -0.122+/-0.041 χ²/NDF:106.7/46
Out: -0.194+/-0.040 χ²/NDF:90.4/51
All: -0.159+/-0.029 χ²/NDF: 198.7/98



Right In: 0.012+/-0.003 χ^2/NDF: 39.7/23

Left Out: 0.001+/-0.002 χ^2/NDF:26.7/23

Right Out: 0.009+/-0.003 χ^2/NDF: 149.6/27

Left In: 0.002+/-0.002 χ^2/NDF:24.6/22

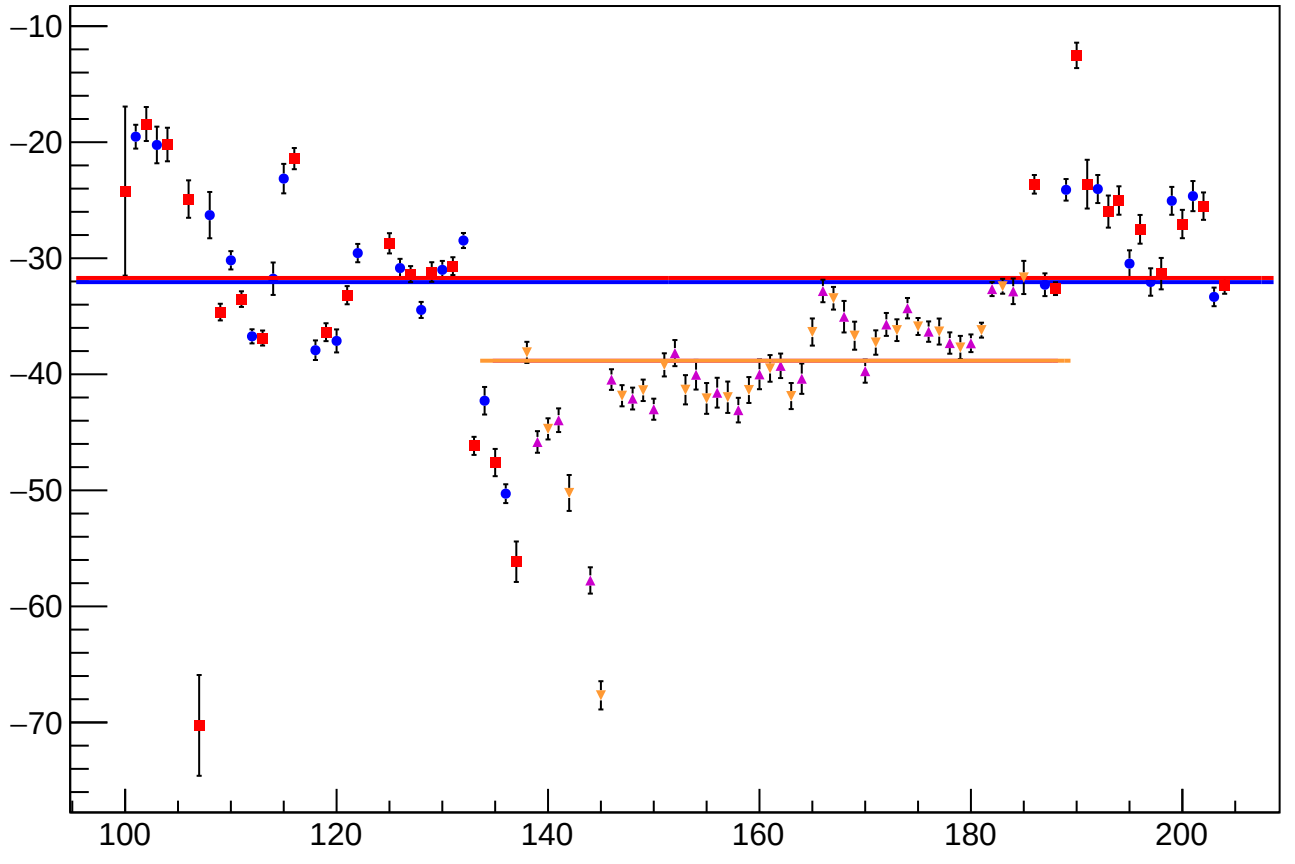
Left: 0.002+/-0.002 χ^2/NDF: 51.5/46

Right: 0.011+/-0.002 χ^2/NDF: 189.8/51

In: 0.005+/-0.002 χ^2/NDF:70.5/46

Out: 0.004+/-0.002 χ^2/NDF:180.3/51

All: 0.004+/-0.001 χ^2/NDF: 251.2/98



Right In: -32.058+/-0.188 χ^2/NDF: 1227.4/23

Left Out: -38.829+/-0.202 χ^2/NDF:917.0/23

Right Out: -31.699+/-0.173 χ^2/NDF: 1764.8/28

Left In: -38.837+/-0.203 χ^2/NDF:653.4/22

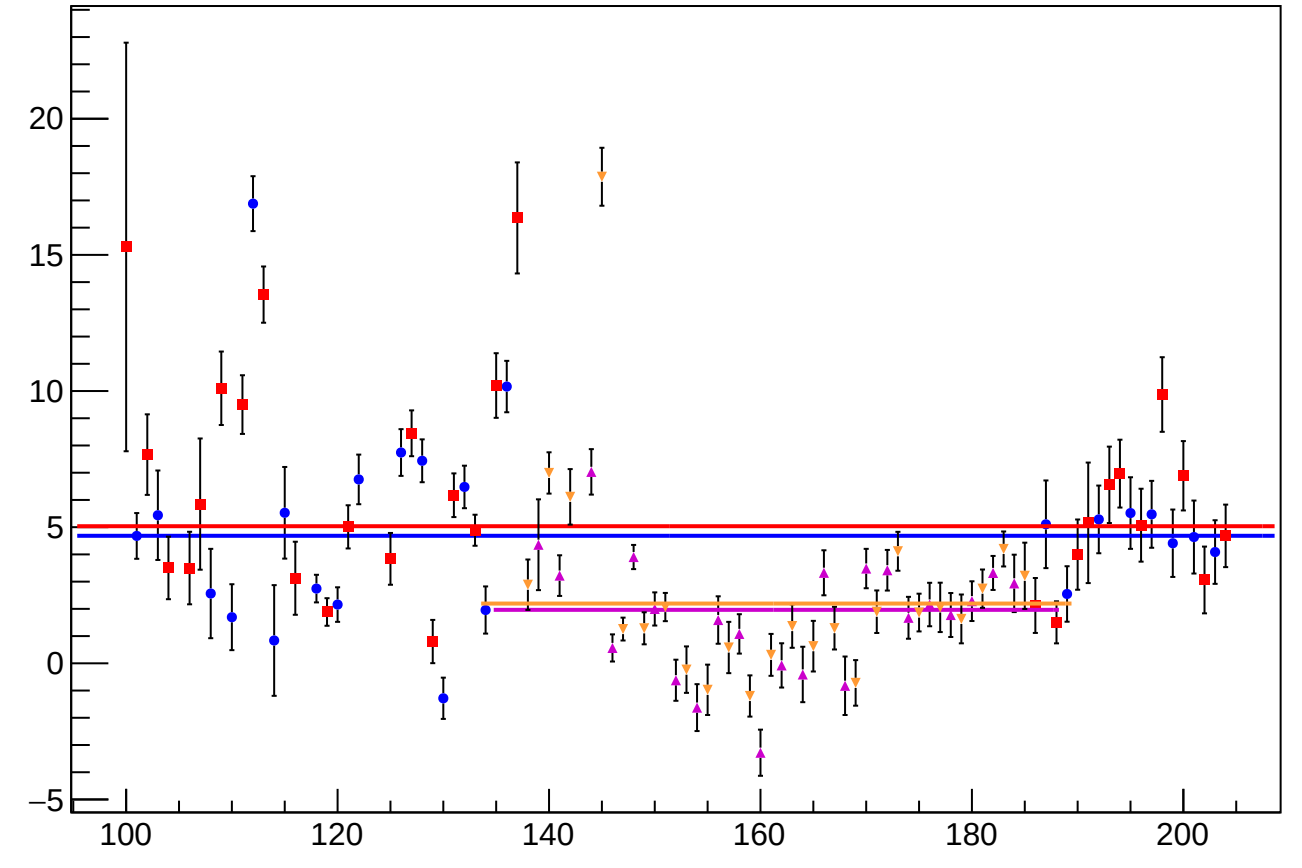
Left: -38.833+/-0.143 χ^2/NDF: 1570.4/46

Right: -31.863+/-0.127 χ^2/NDF: 2994.1/52

In: -35.184+/-0.138 χ^2/NDF:2479.5/46

Out: -34.720+/-0.132 χ^2/NDF:3399.5/52

All: -34.940+/-0.095 χ^2/NDF: 5884.9/99



Right In: 4.684+/-0.196 χ^2/NDF: 335.5/23

Left Out: 2.195+/-0.152 χ^2/NDF:365.1/23

Right Out: 5.035+/-0.190 χ^2/NDF: 297.1/28

Left In: 1.964+/-0.155 χ^2/NDF:173.2/22

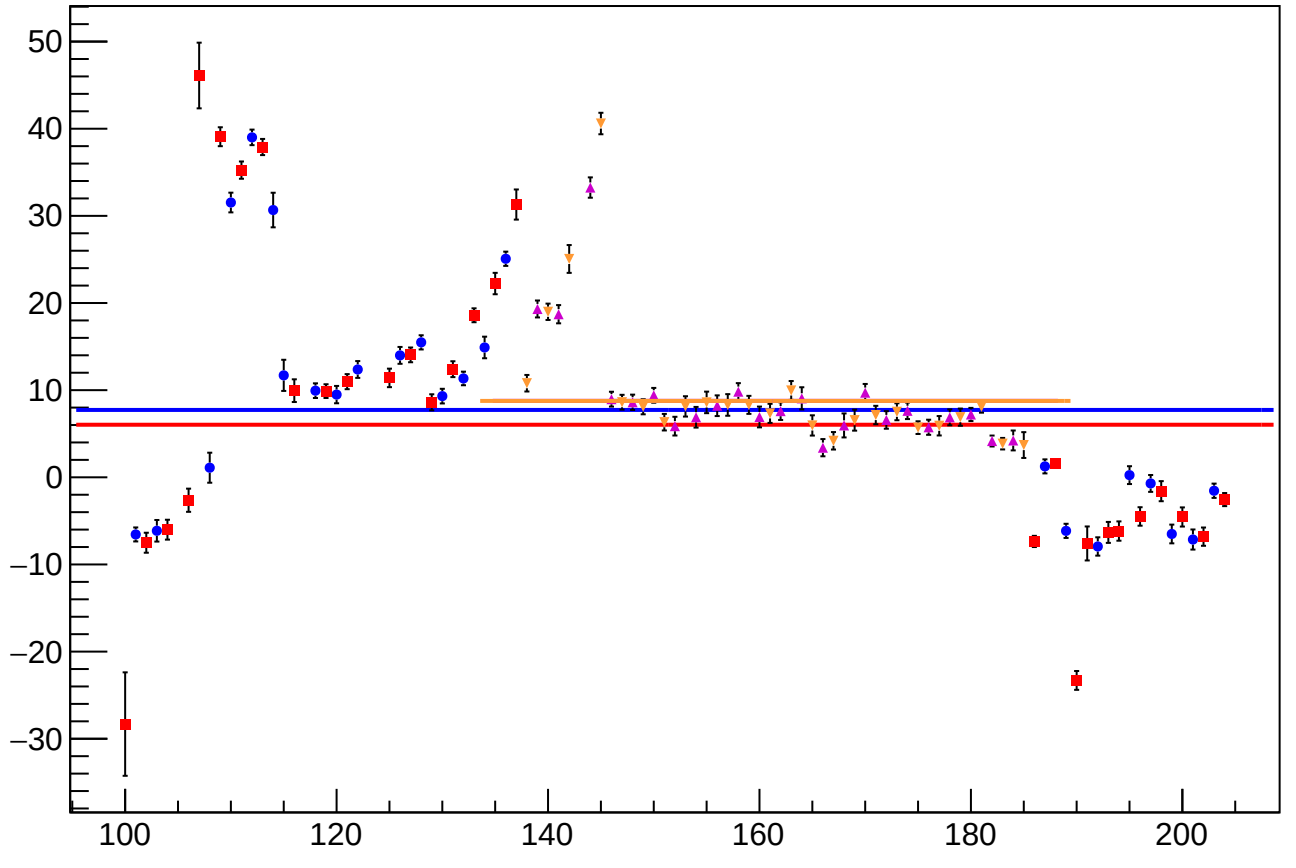
Left: 2.081+/-0.109 χ^2/NDF: 539.4/46

Right: 4.865+/-0.136 χ^2/NDF: 634.2/52

In: 3.007+/-0.121 χ^2/NDF:627.2/46

Out: 3.307+/-0.119 χ^2/NDF:798.6/52

All: 3.161+/-0.085 χ^2/NDF: 1428.9/99



Right In: 7.731+/-0.198 χ^2/NDF: 4120.9/23

Left Out: 8.766+/-0.200 χ^2/NDF:1035.4/23

Right Out: 6.033+/-0.179 χ^2/NDF: 6353.8/28

Left In: 8.773+/-0.201 χ^2/NDF:795.1/22

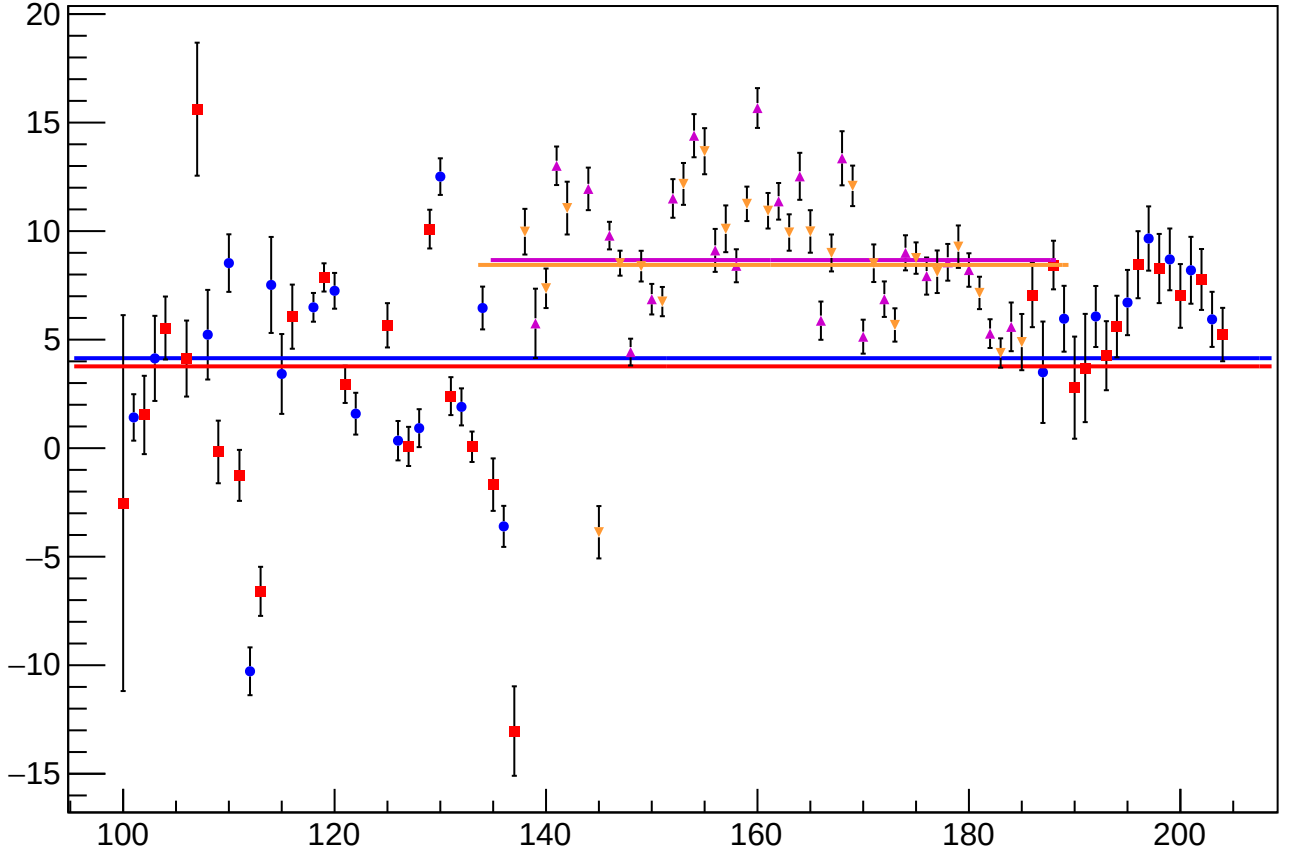
Left: 8.769+/-0.142 χ^2/NDF: 1830.5/46

Right: 6.796+/-0.133 χ^2/NDF: 10515.2/52

In: 8.243+/-0.141 χ^2/NDF:4929.6/46

Out: 7.245+/-0.133 χ^2/NDF:7492.6/52

All: 7.716+/-0.097 χ^2/NDF: 12448.6/99



Right In: 4.146+/-0.229 χ^2/NDF: 473.8/23

Left Out: 8.442+/-0.174 χ^2/NDF:264.2/23

Right Out: 3.769+/-0.223 χ^2/NDF: 414.9/28

Left In: 8.666+/-0.176 χ^2/NDF:304.8/22

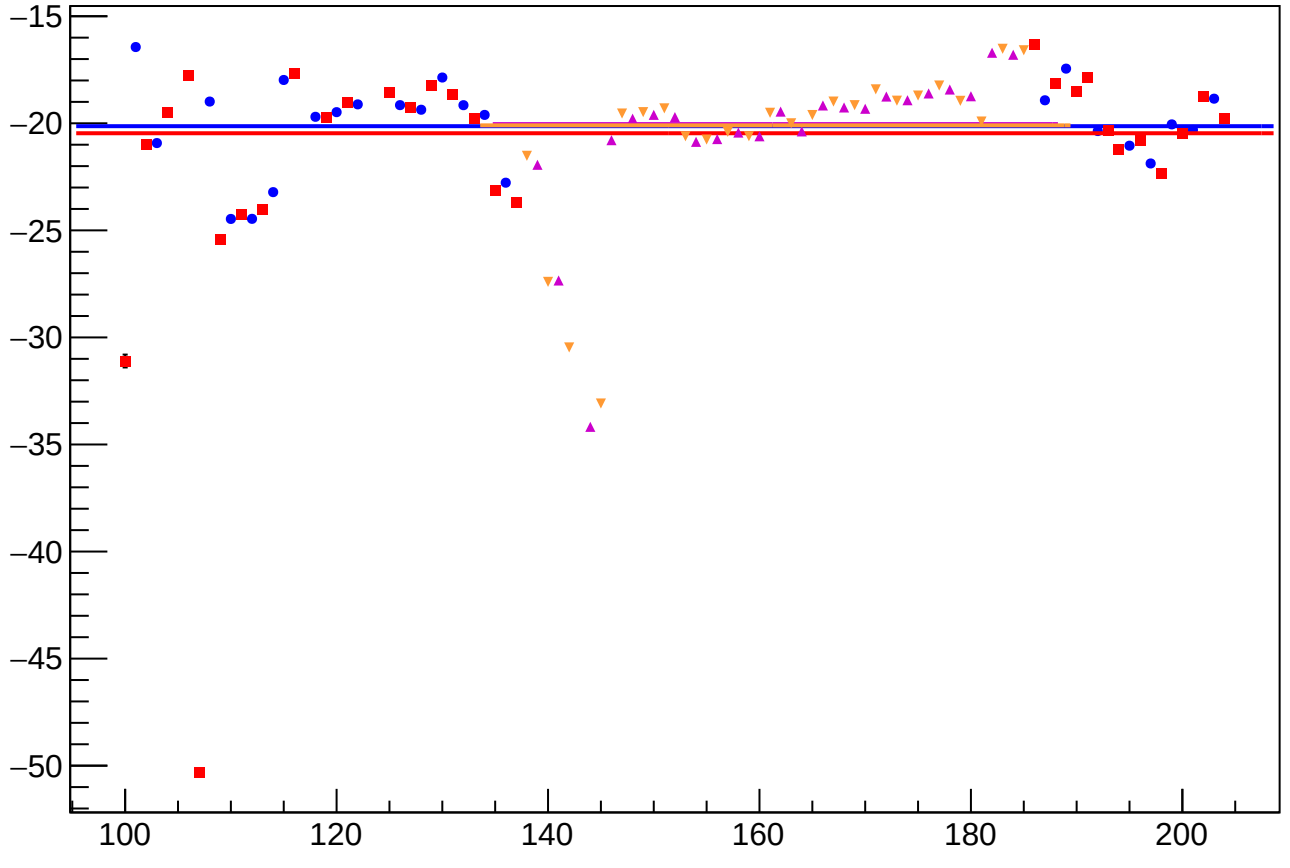
Left: 8.553+/-0.123 χ^2/NDF: 569.8/46

Right: 3.953+/-0.160 χ^2/NDF: 890.1/52

In: 6.990+/-0.139 χ^2/NDF:1024.2/46

Out: 6.683+/-0.137 χ^2/NDF:952.0/52

All: 6.834+/-0.098 χ^2/NDF: 1978.7/99



Right In: -20.135+/-0.012 χ^2/NDF: 24479.6/23

Left Out: -20.096+/-0.008 χ^2/NDF:159293.0/23

Right Out: -20.464+/-0.011 χ^2/NDF: 68361.9/28

Left In: -20.037+/-0.008 χ^2/NDF:132291.6/22

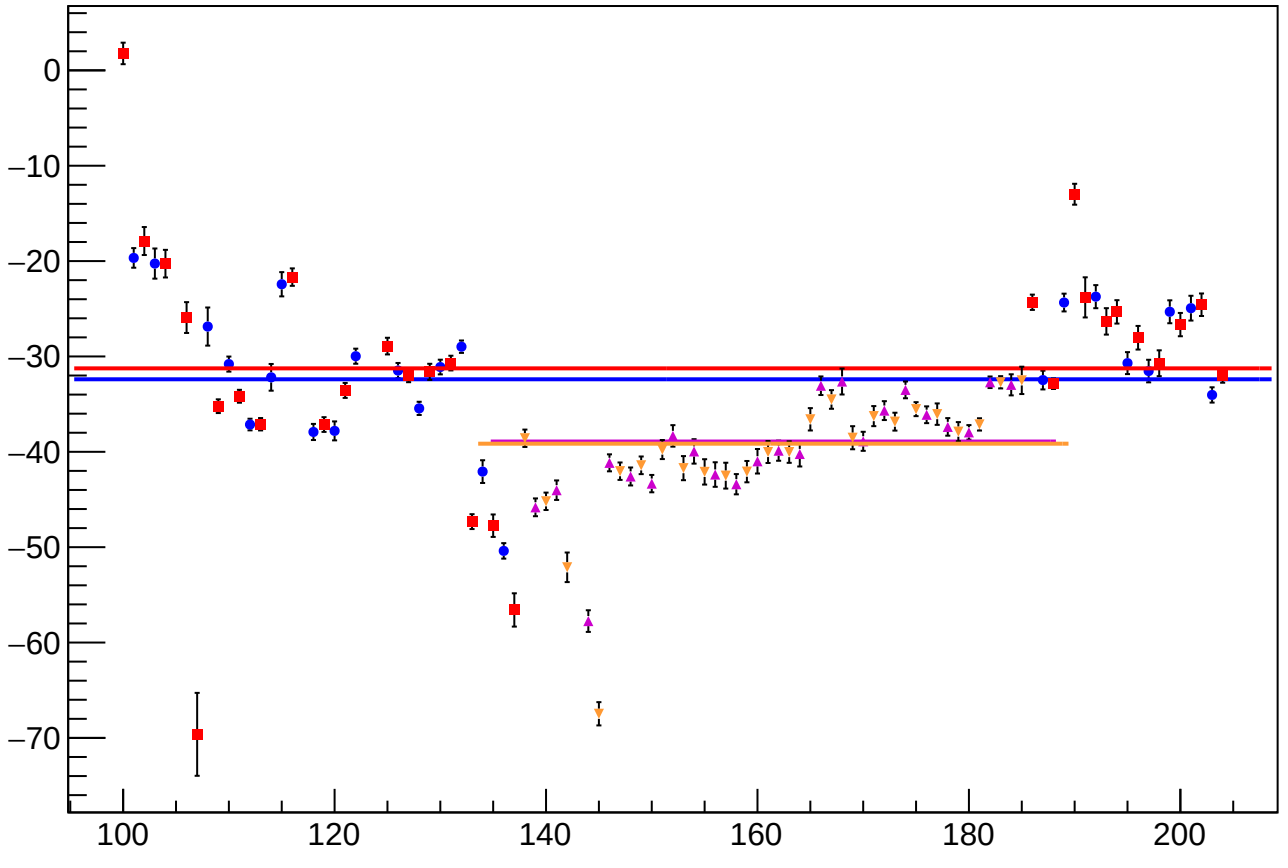
Left: -20.067+/-0.006 χ^2/NDF: 291612.1/46

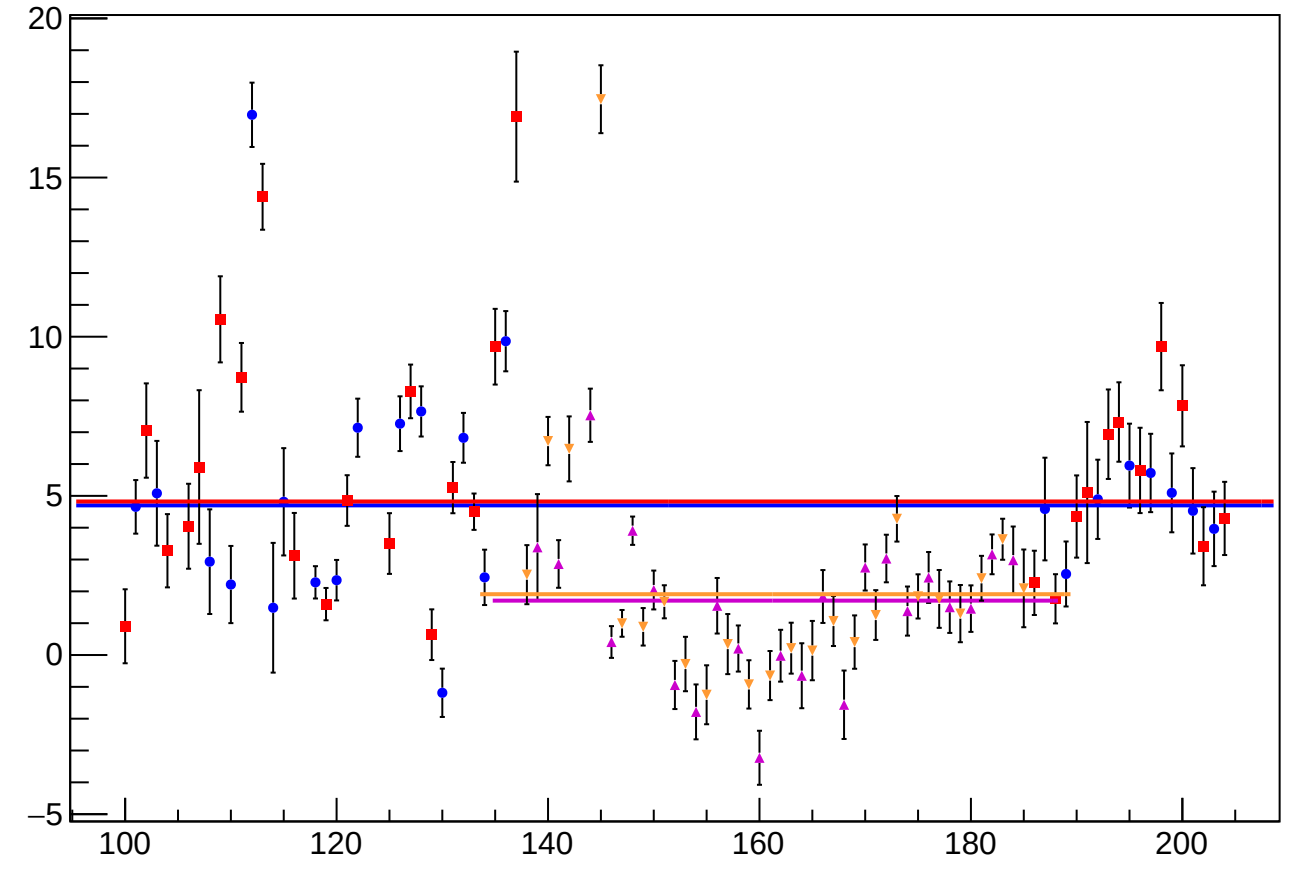
Right: -20.307+/-0.008 χ^2/NDF: 93253.0/52

In: -20.068+/-0.007 χ^2/NDF:156818.4/46

Out: -20.218+/-0.006 χ^2/NDF:228374.9/52

All: -20.144+/-0.005 χ^2/NDF: 385461.6/99


reg_asym_left_dd_diff_bpm1X_slope vs Slug, Sign Corrected
0
−10
−20
−30
−40
−50
−60
−70
100
120
140
160
180
200
Right In: -32.395+/-0.189 χ²/NDF: 1235.9/23
Left Out: -39.148+/-0.202 χ²/NDF:898.8/23
Right Out: -31.250+/-0.172 χ²/NDF: 2696.6/28
Left In: -38.921+/-0.204 χ²/NDF:684.4/22
Left: -39.036+/-0.144 χ²/NDF: 1583.8/46
Right: -31.768+/-0.127 χ²/NDF: 3952.8/52
In: -35.405+/-0.138 χ²/NDF:2473.1/46
Out: -34.551+/-0.131 χ²/NDF:4481.3/52
All: -34.954+/-0.095 χ²/NDF: 6974.4/99



Right In: 4.701+/-0.197 χ^2/NDF: 332.3/23

Left Out: 1.911+/-0.152 χ^2/NDF:359.3/23

Right Out: 4.824+/-0.188 χ^2/NDF: 321.9/28

Left In: 1.709+/-0.155 χ^2/NDF:182.6/22

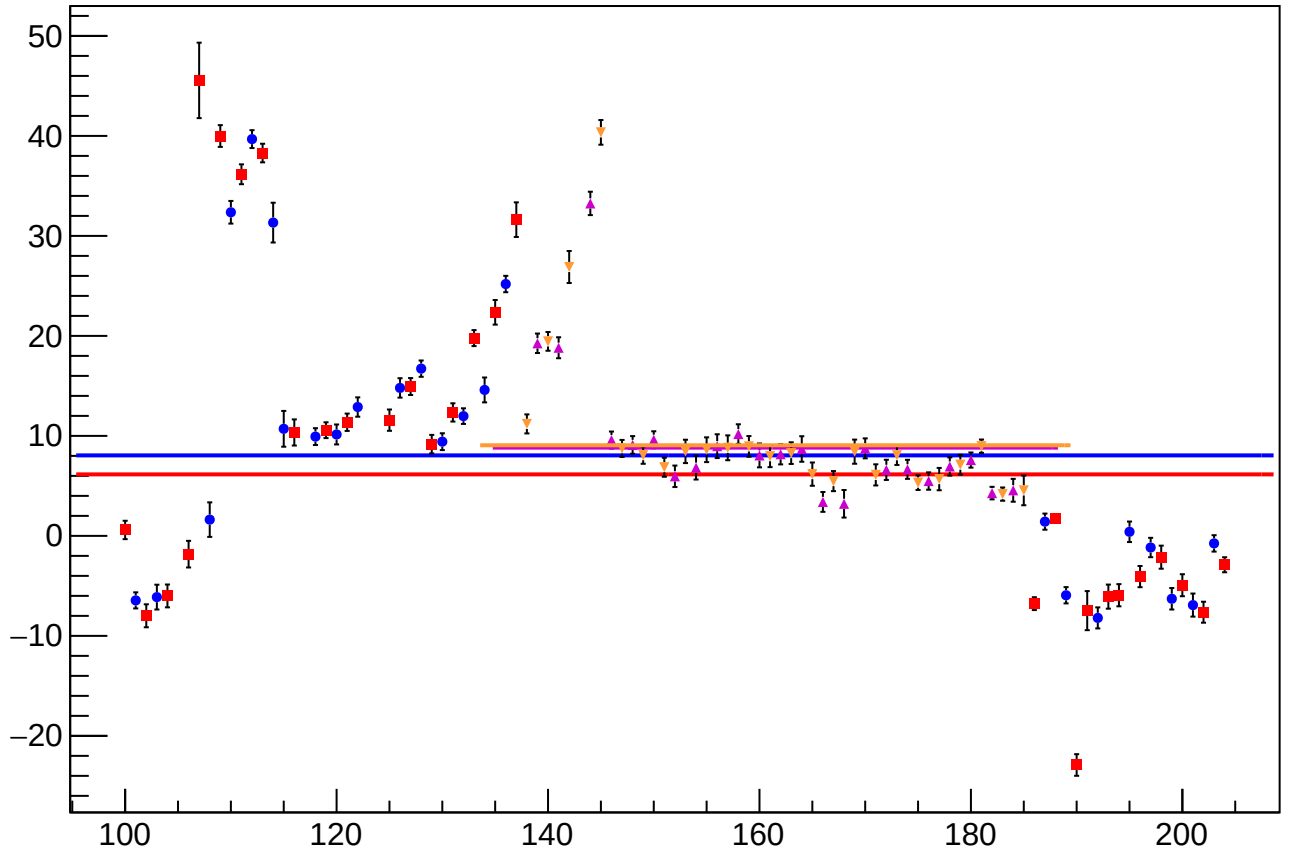
Left: 1.811+/-0.109 χ^2/NDF: 542.8/46

Right: 4.765+/-0.136 χ^2/NDF: 654.4/52

In: 2.856+/-0.122 χ^2/NDF:657.9/46

Out: 3.069+/-0.118 χ^2/NDF:826.4/52

All: 2.966+/-0.085 χ^2/NDF: 1485.8/99



Right In: 8.051+/-0.198 χ^2/NDF: 4219.1/23

Left Out: 9.061+/-0.201 χ^2/NDF:1033.5/23

Right Out: 6.150+/-0.176 χ^2/NDF: 6526.8/28

Left In: 8.826+/-0.202 χ^2/NDF:801.4/22

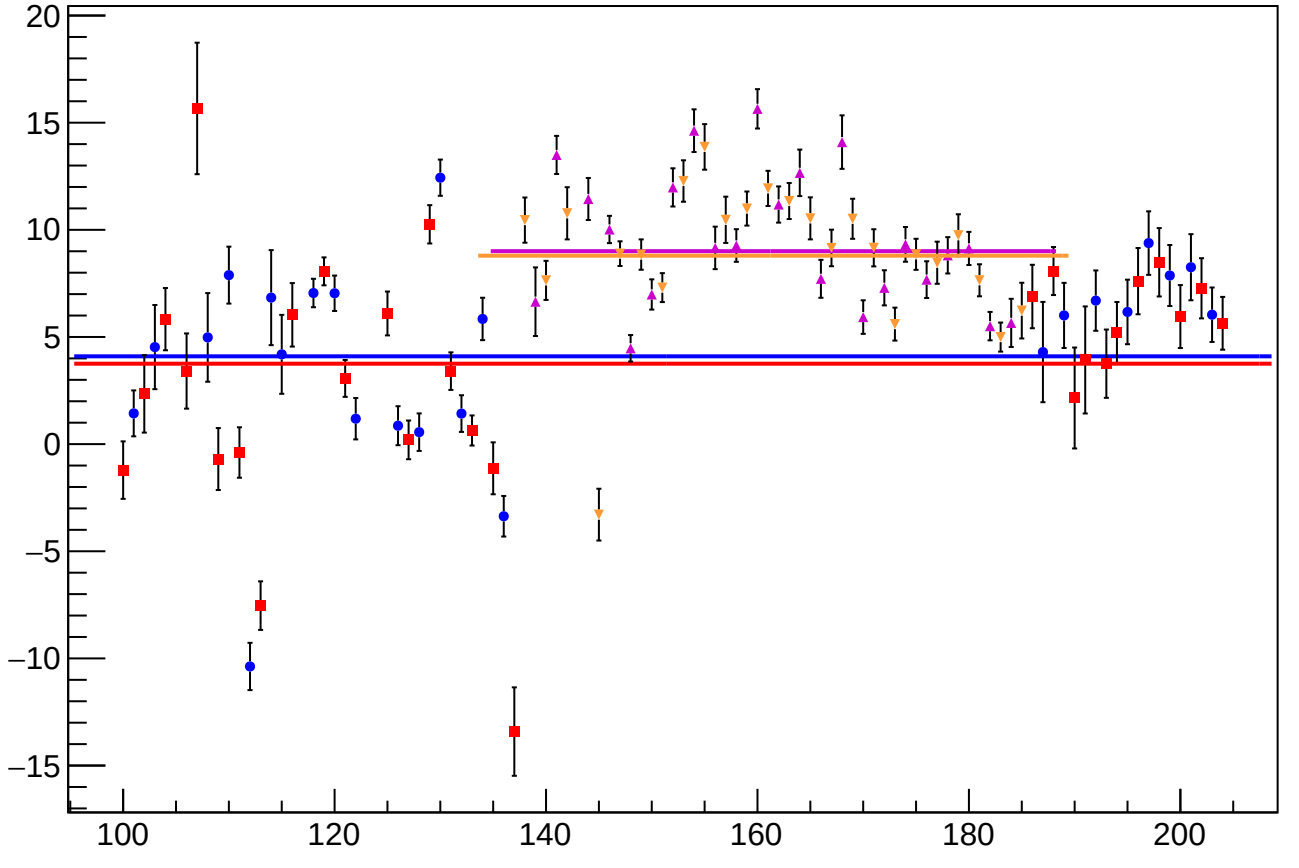
Left: 8.944+/-0.142 χ^2/NDF: 1835.6/46

Right: 6.987+/-0.132 χ^2/NDF: 10797.3/52

In: 8.431+/-0.141 χ^2/NDF:5028.0/46

Out: 7.414+/-0.132 χ^2/NDF:7679.1/52

All: 7.889+/-0.097 χ^2/NDF: 12734.7/99



Right In: 4.097+/-0.229 χ^2/NDF: 467.0/23

Left Out: 8.793+/-0.174 χ^2/NDF:244.1/23

Right Out: 3.754+/-0.221 χ^2/NDF: 425.1/28

Left In: 9.004+/-0.176 χ^2/NDF:289.6/22

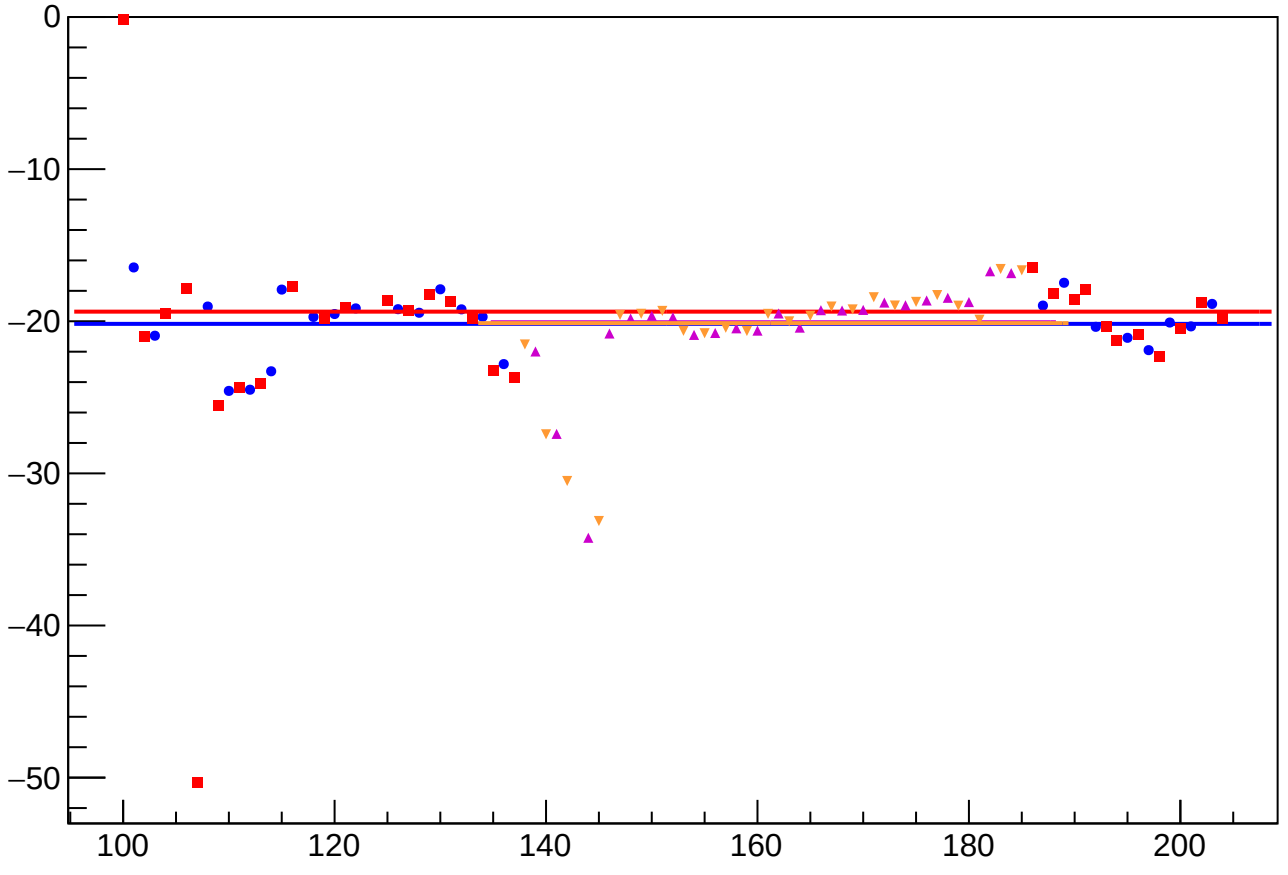
Left: 8.897+/-0.124 χ^2/NDF: 534.4/46

Right: 3.919+/-0.159 χ^2/NDF: 893.3/52

In: 7.185+/-0.140 χ^2/NDF:1044.8/46

Out: 6.864+/-0.137 χ^2/NDF:990.6/52

All: 7.021+/-0.098 χ^2/NDF: 2038.1/99



Right In: -20.171+/-0.012 χ^2/NDF: 24516.8/23

Left Out: -20.123+/-0.008 χ^2/NDF:158578.7/23

Right Out: -19.368+/-0.011 χ^2/NDF: 246653.0/28

Left In: -20.063+/-0.008 χ^2/NDF:132690.0/22

Left: -20.093+/-0.006 χ^2/NDF: 291297.6/46

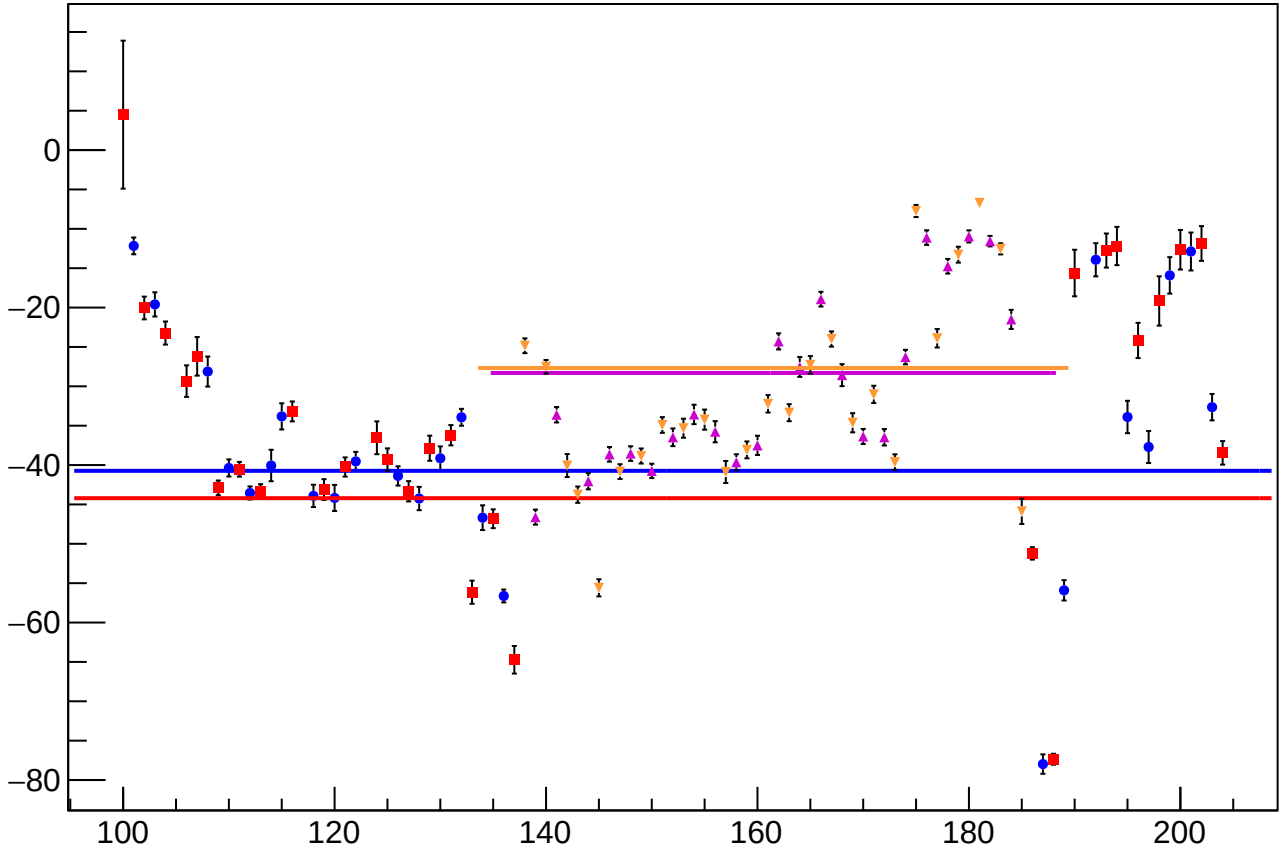
Right: -19.740+/-0.008 χ^2/NDF: 273670.2/52

In: -20.097+/-0.007 χ^2/NDF:157265.2/46

Out: -19.863+/-0.006 χ^2/NDF:408359.0/52

All: -19.977+/-0.005 χ^2/NDF: 566274.2/99

reg_asym_right_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -40.733+/-0.277 χ^2/NDF: 2927.7/23

Left Out: -27.668+/-0.200 χ^2/NDF:4396.9/24

Right Out: -44.208+/-0.251 χ^2/NDF: 4373.6/28

Left In: -28.303+/-0.206 χ^2/NDF:3273.4/22

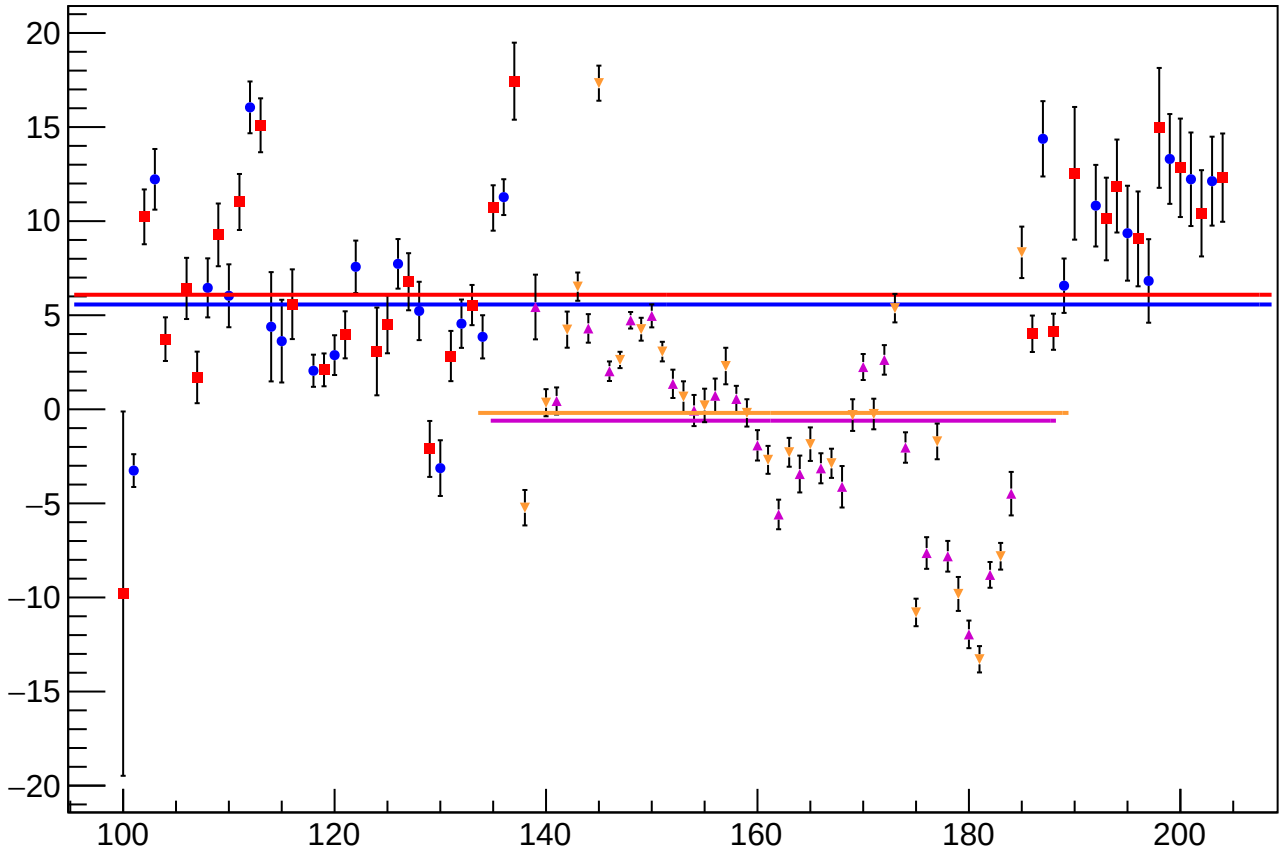
Left: -27.977+/-0.144 χ^2/NDF: 7675.2/47

Right: -42.642+/-0.186 χ^2/NDF: 7387.8/52

In: -32.723+/-0.165 χ^2/NDF:7498.9/46

Out: -34.116+/-0.157 χ^2/NDF:11424.3/53

All: -33.457+/-0.114 χ^2/NDF: 18960.7/100



Right In: 5.571+/-0.291 χ^2/NDF: 334.3/23

Left Out: -0.192+/-0.150 χ^2/NDF:1545.3/24

Right Out: 6.088+/-0.278 χ^2/NDF: 235.5/28

Left In: -0.605+/-0.155 χ^2/NDF:974.6/22

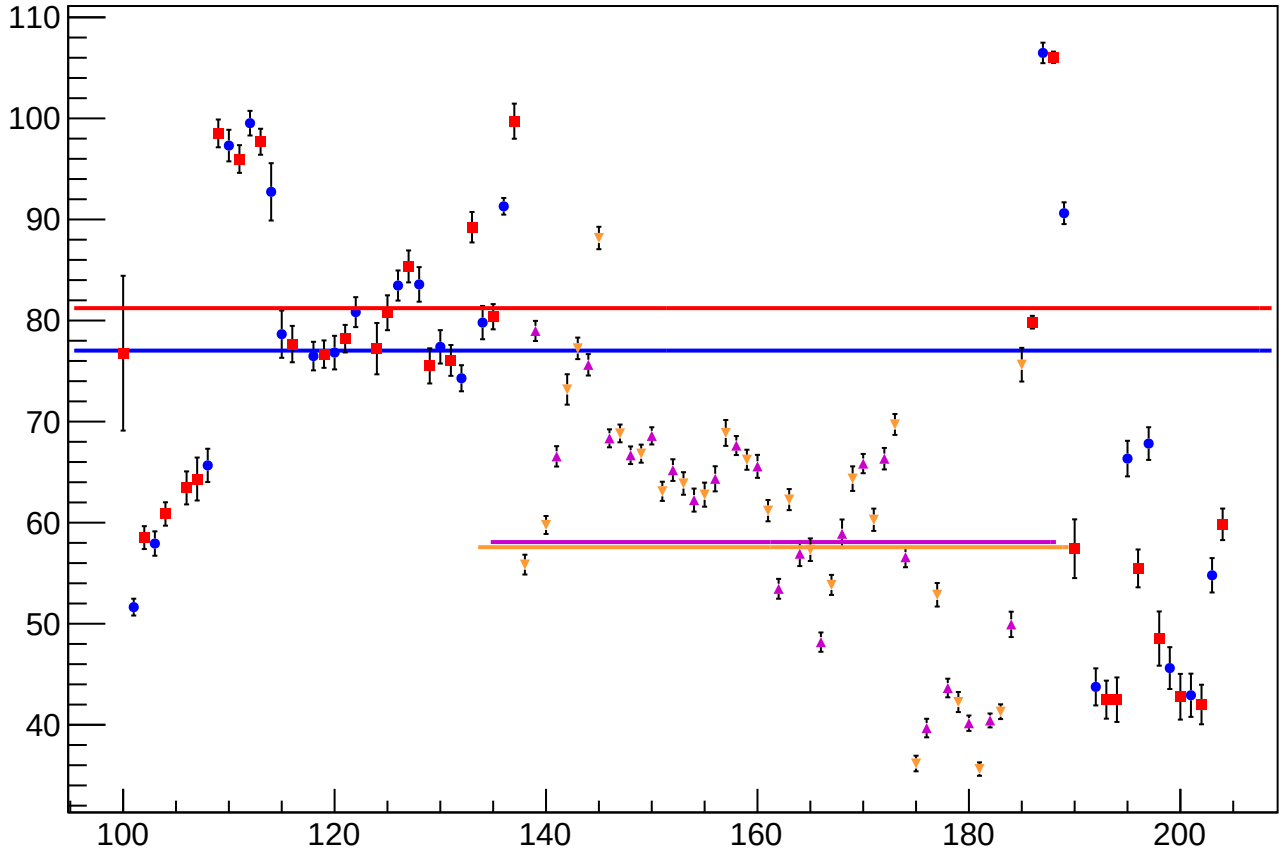
Left: -0.391+/-0.108 χ^2/NDF: 2523.5/47

Right: 5.841+/-0.201 χ^2/NDF: 571.4/52

In: 0.765+/-0.137 χ^2/NDF:1660.2/46

Out: 1.223+/-0.132 χ^2/NDF:2175.3/53

All: 1.002+/-0.095 χ^2/NDF: 3841.3/100



Right In: 77.025+/-0.283 χ^2/NDF: 4172.7/23

Left Out: 57.573+/-0.199 χ^2/NDF:4685.5/24

Right Out: 81.226+/-0.251 χ^2/NDF: 5522.7/28

Left In: 58.080+/-0.203 χ^2/NDF:3558.6/22

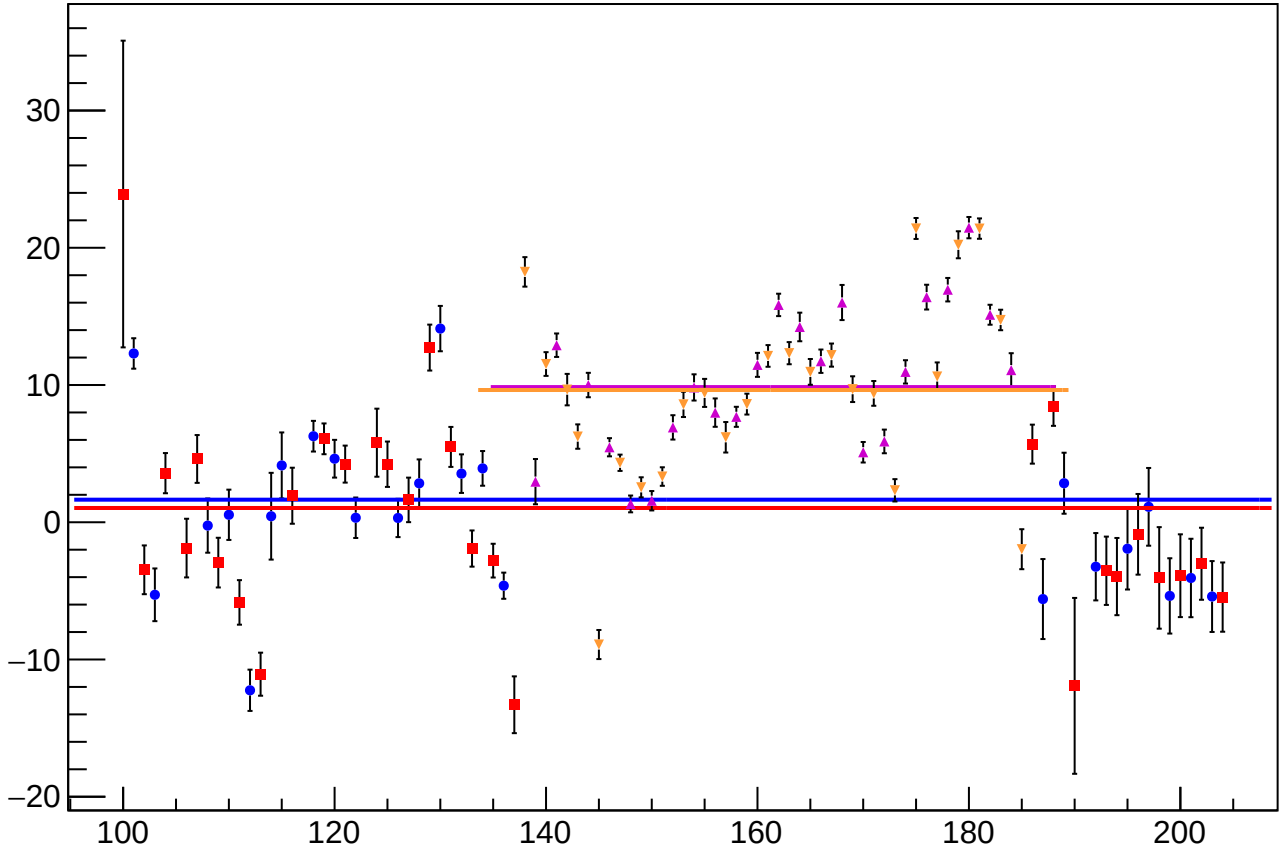
Left: 57.821+/-0.142 χ^2/NDF: 8247.2/47

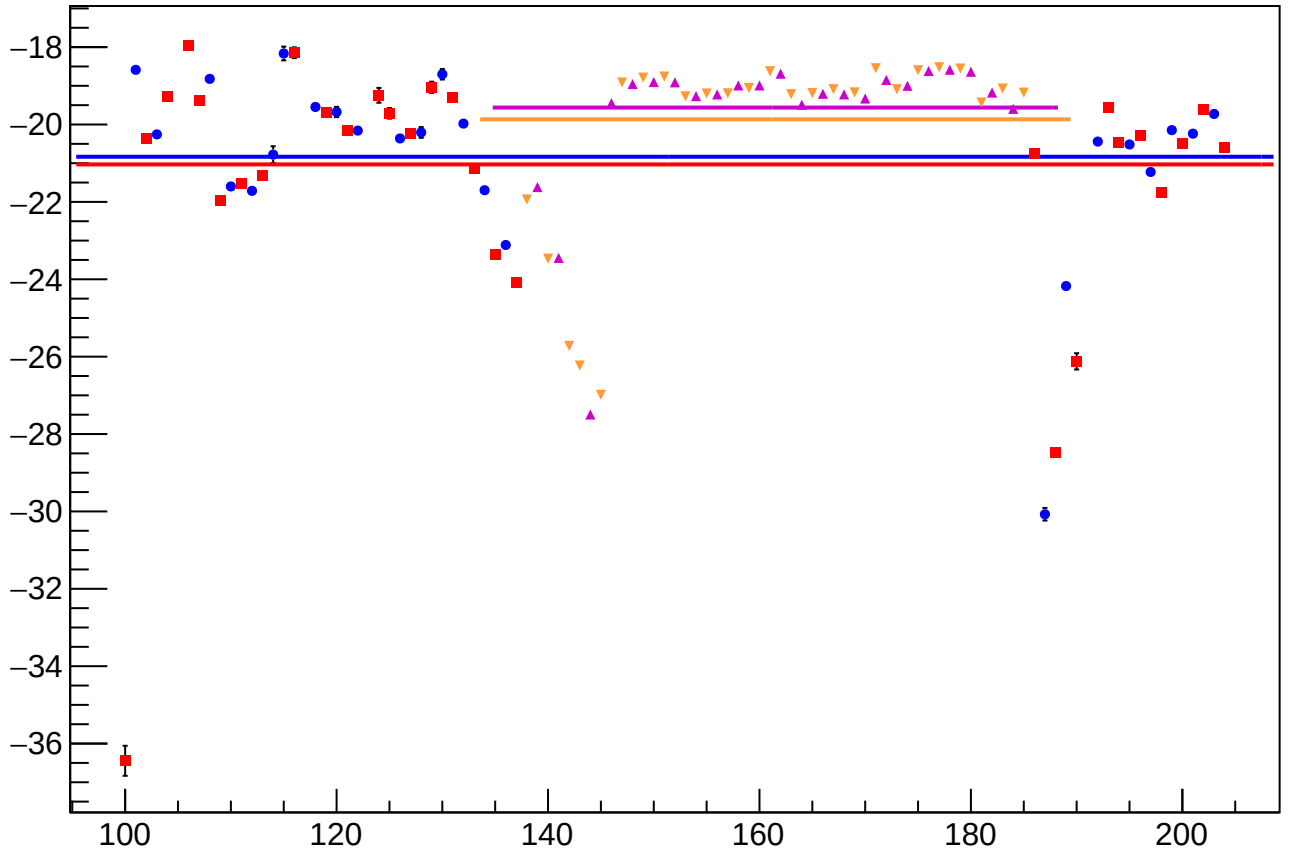
Right: 79.382+/-0.188 χ^2/NDF: 9818.6/52

In: 64.521+/-0.165 χ^2/NDF:10679.2/46

Out: 66.712+/-0.156 χ^2/NDF:15667.9/53

All: 65.681+/-0.113 χ^2/NDF: 26440.1/100


reg_asym_right_avg_diff_bpm4eY_slope vs Slug, Sign Corrected
30
20
10
0
−10
−20
100
120
140
160
180
200
Right In: 1.645+/-0.339 χ²/NDF: 352.3/23
Left Out: 9.636+/-0.171 χ²/NDF:1491.5/24
Right Out: 1.039+/-0.331 χ²/NDF: 318.4/28
Left In: 9.849+/-0.176 χ²/NDF:993.0/22
Left: 9.740+/-0.123 χ²/NDF: 2485.2/47
Right: 1.335+/-0.237 χ²/NDF: 672.3/52
In: 8.100+/-0.156 χ²/NDF:1806.9/46
Out: 7.821+/-0.152 χ²/NDF:2341.1/53
All: 7.957+/-0.109 χ²/NDF: 4149.6/100



Right In: -20.833+/-0.017 χ^2/NDF: 12215.5/23

Left Out: -19.866+/-0.008 χ^2/NDF:78894.3/24

Right Out: -21.031+/-0.017 χ^2/NDF: 20387.6/28

Left In: -19.562+/-0.008 χ^2/NDF:45172.6/22

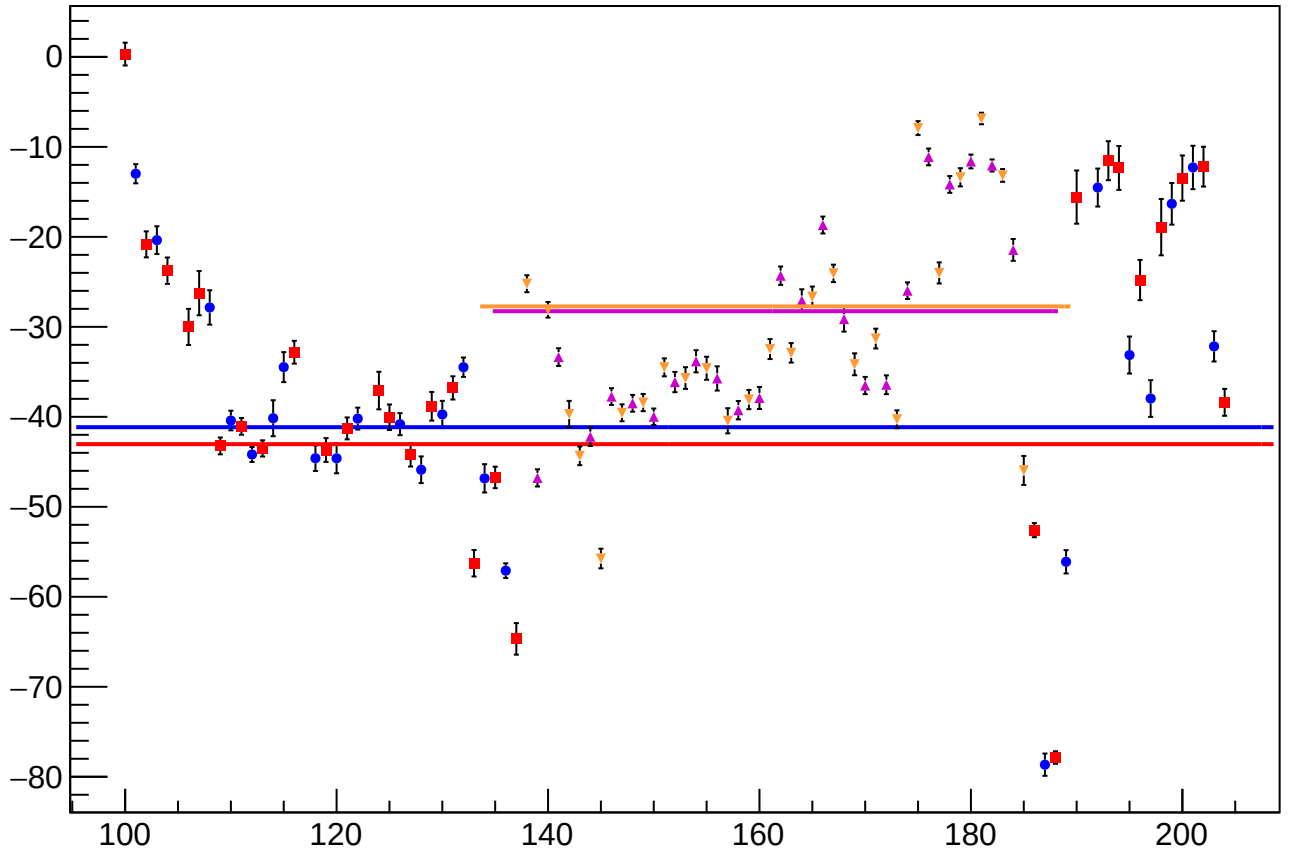
Left: -19.716+/-0.006 χ^2/NDF: 124807.4/47

Right: -20.933+/-0.012 χ^2/NDF: 32674.0/52

In: -19.797+/-0.007 χ^2/NDF:62117.3/46

Out: -20.080+/-0.007 χ^2/NDF:103322.0/53

All: -19.940+/-0.005 χ^2/NDF: 166226.8/100



Right In: -41.150+/-0.277 χ^2/NDF: 2930.6/23

Left Out: -27.729+/-0.201 χ^2/NDF:4299.7/24

Right Out: -43.037+/-0.246 χ^2/NDF: 5595.9/28

Left In: -28.260+/-0.206 χ^2/NDF:3172.7/22

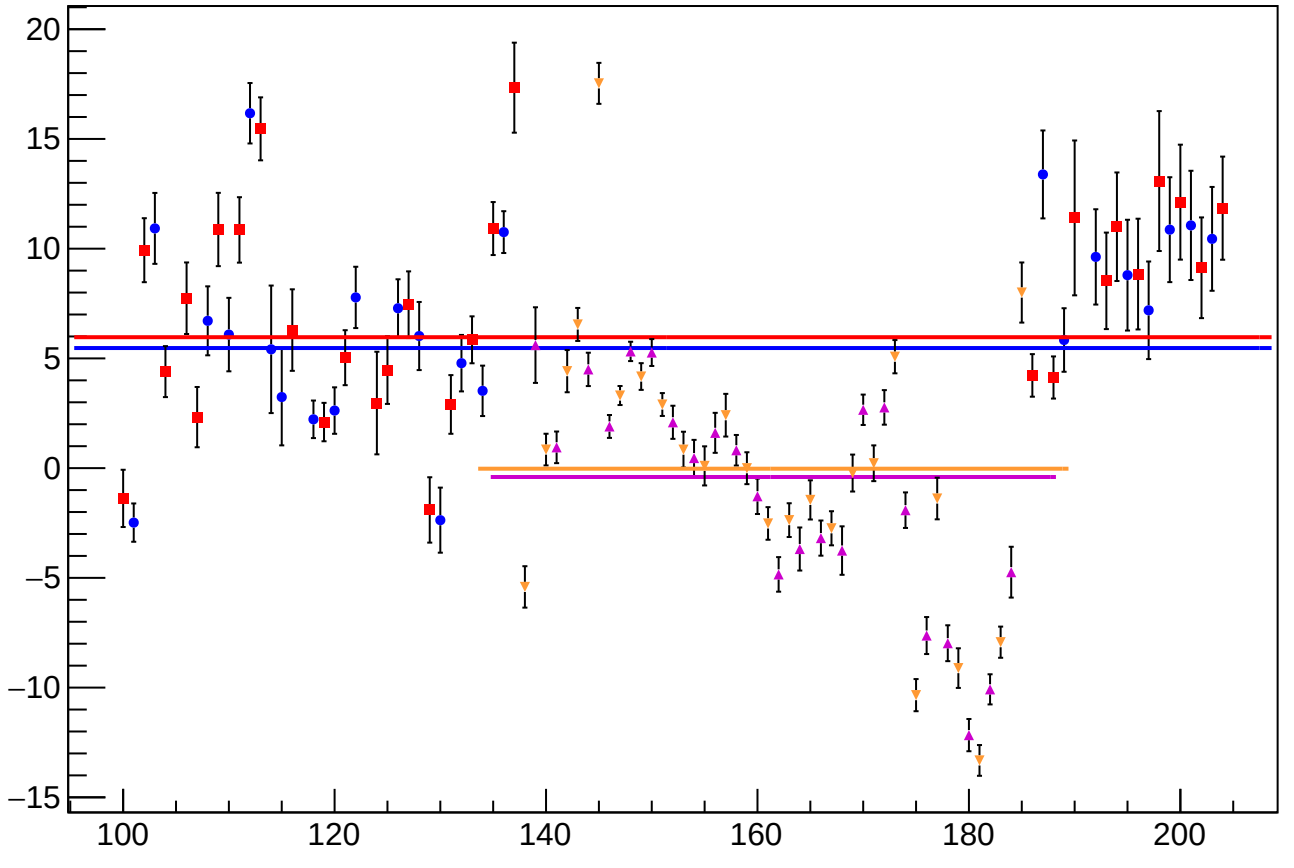
Left: -27.988+/-0.144 χ^2/NDF: 7475.8/47

Right: -42.204+/-0.184 χ^2/NDF: 8552.4/52

In: -32.847+/-0.165 χ^2/NDF:7494.4/46

Out: -33.835+/-0.156 χ^2/NDF:12214.5/53

All: -33.371+/-0.113 χ^2/NDF: 19727.8/100



Right In: 5.472+/-0.291 χ^2/NDF: 281.1/23

Left Out: -0.026+/-0.150 χ^2/NDF:1531.8/24

Right Out: 5.966+/-0.273 χ^2/NDF: 251.4/28

Left In: -0.404+/-0.155 χ^2/NDF:1084.1/22

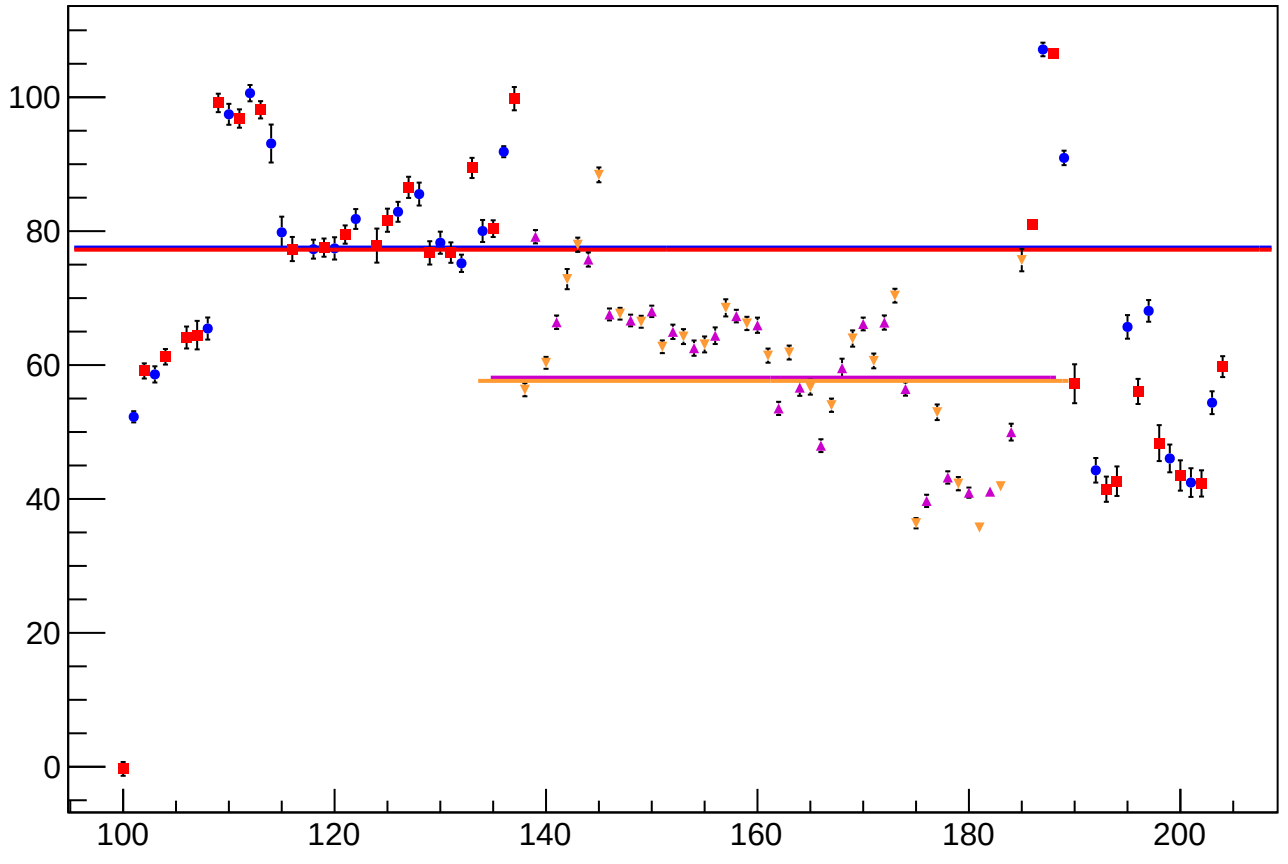
Left: -0.208+/-0.108 χ^2/NDF: 2618.9/47

Right: 5.735+/-0.199 χ^2/NDF: 534.1/52

In: 0.900+/-0.137 χ^2/NDF:1682.3/46

Out: 1.370+/-0.132 χ^2/NDF:2153.6/53

All: 1.145+/-0.095 χ^2/NDF: 3842.0/100



Right In: 77.548+/-0.284 χ^2/NDF: 4214.2/23

Left Out: 57.638+/-0.199 χ^2/NDF:4612.7/24

Right Out: 77.233+/-0.244 χ^2/NDF: 11520.9/28

Left In: 58.117+/-0.204 χ^2/NDF:3443.9/22

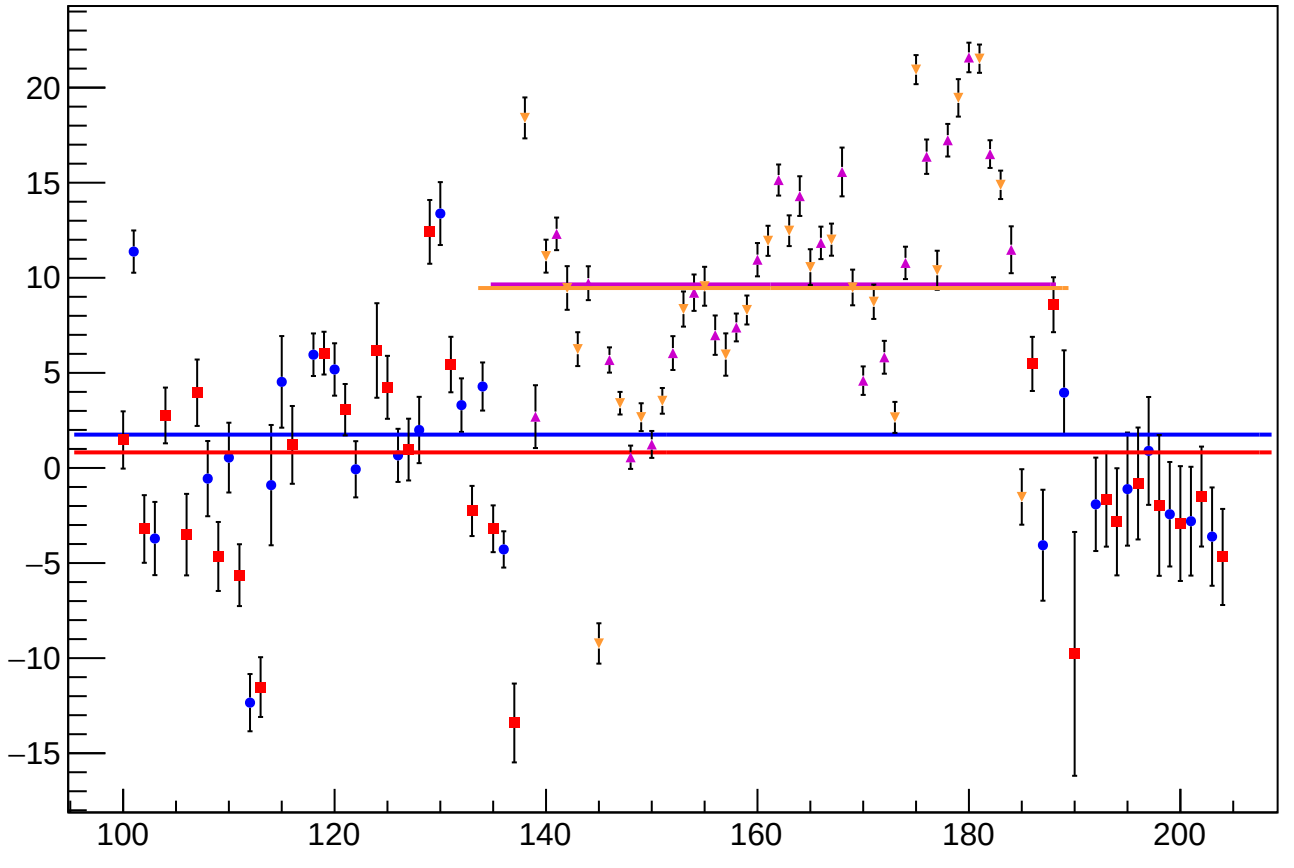
Left: 57.872+/-0.142 χ^2/NDF: 8059.4/47

Right: 77.367+/-0.185 χ^2/NDF: 15735.8/52

In: 64.728+/-0.166 χ^2/NDF:10749.1/46

Out: 65.473+/-0.154 χ^2/NDF:20000.0/53

All: 65.126+/-0.113 χ^2/NDF: 30760.0/100



Right In: 1.753+/-0.339 χ^2/NDF: 309.0/23

Left Out: 9.461+/-0.172 χ^2/NDF:1483.1/24

Right Out: 0.818+/-0.324 χ^2/NDF: 308.2/28

Left In: 9.650+/-0.177 χ^2/NDF:1078.5/22

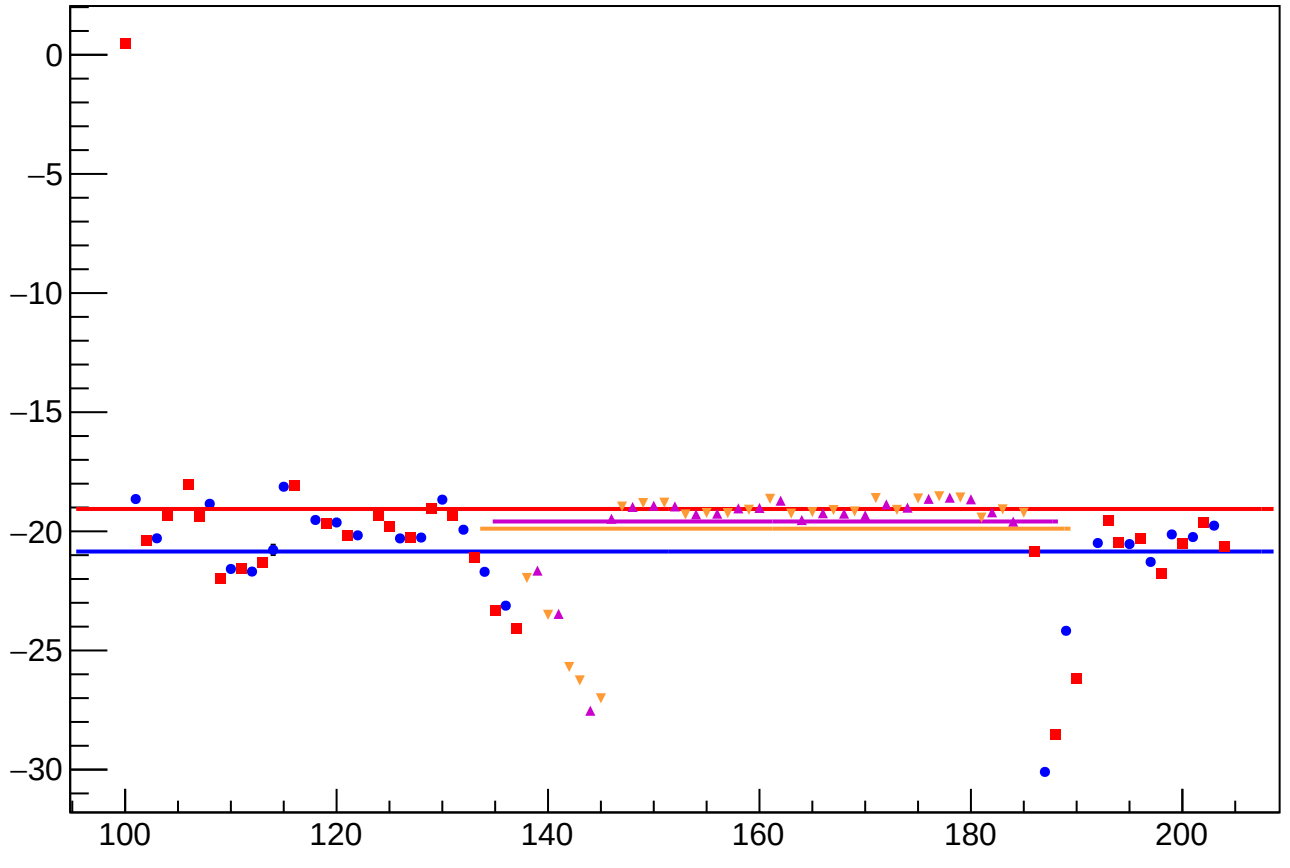
Left: 9.553+/-0.123 χ^2/NDF: 2562.3/47

Right: 1.265+/-0.234 χ^2/NDF: 621.1/52

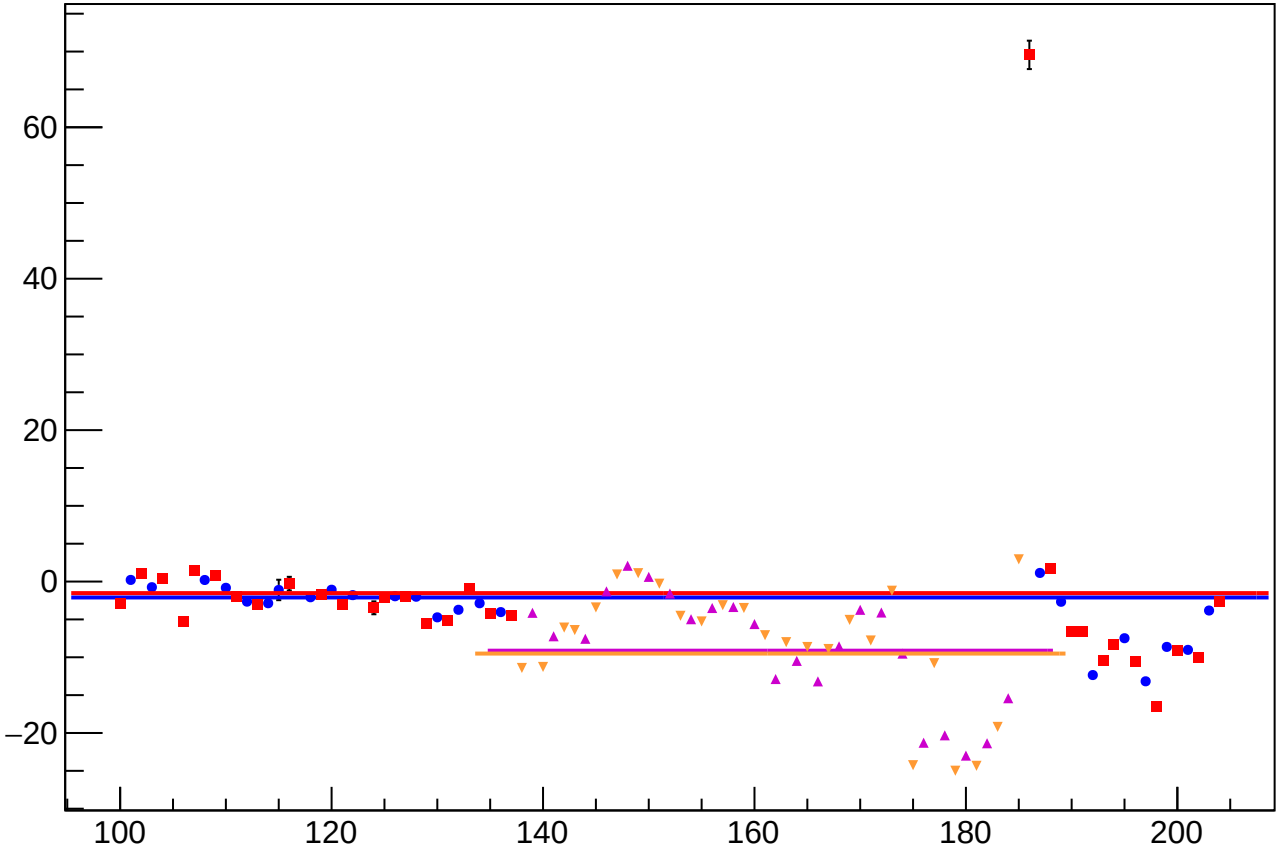
In: 7.966+/-0.157 χ^2/NDF:1813.9/46

Out: 7.568+/-0.152 χ^2/NDF:2346.5/53

All: 7.761+/-0.109 χ^2/NDF: 4163.8/100


reg_asym_right_dd_diff_bpm12X_slope vs Slug, Sign Corrected
0
−5
−10
−15
−20
−25
−30
100
120
140
160
180
200
Right In: -20.847+/-0.017 χ²/NDF: 12087.2/23
Left Out: -19.889+/-0.008 χ²/NDF:78512.6/24
Right Out: -19.061+/-0.016 χ²/NDF: 171850.9/28
Left In: -19.586+/-0.008 χ²/NDF:45085.3/22
Left: -19.739+/-0.006 χ²/NDF: 124326.8/47
Right: -19.905+/-0.011 χ²/NDF: 189961.7/52
In: -19.820+/-0.007 χ²/NDF:61811.4/46
Out: -19.724+/-0.007 χ²/NDF:252555.9/53
All: -19.771+/-0.005 χ²/NDF: 314457.1/100

reg_asym_sam_15_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -2.102+/-0.051 χ^2/NDF: 3310.1/23

Left Out: -9.512+/-0.073 χ^2/NDF:12916.4/24

Right Out: -1.525+/-0.046 χ^2/NDF: 6866.7/29

Left In: -9.131+/-0.075 χ^2/NDF:10390.6/22

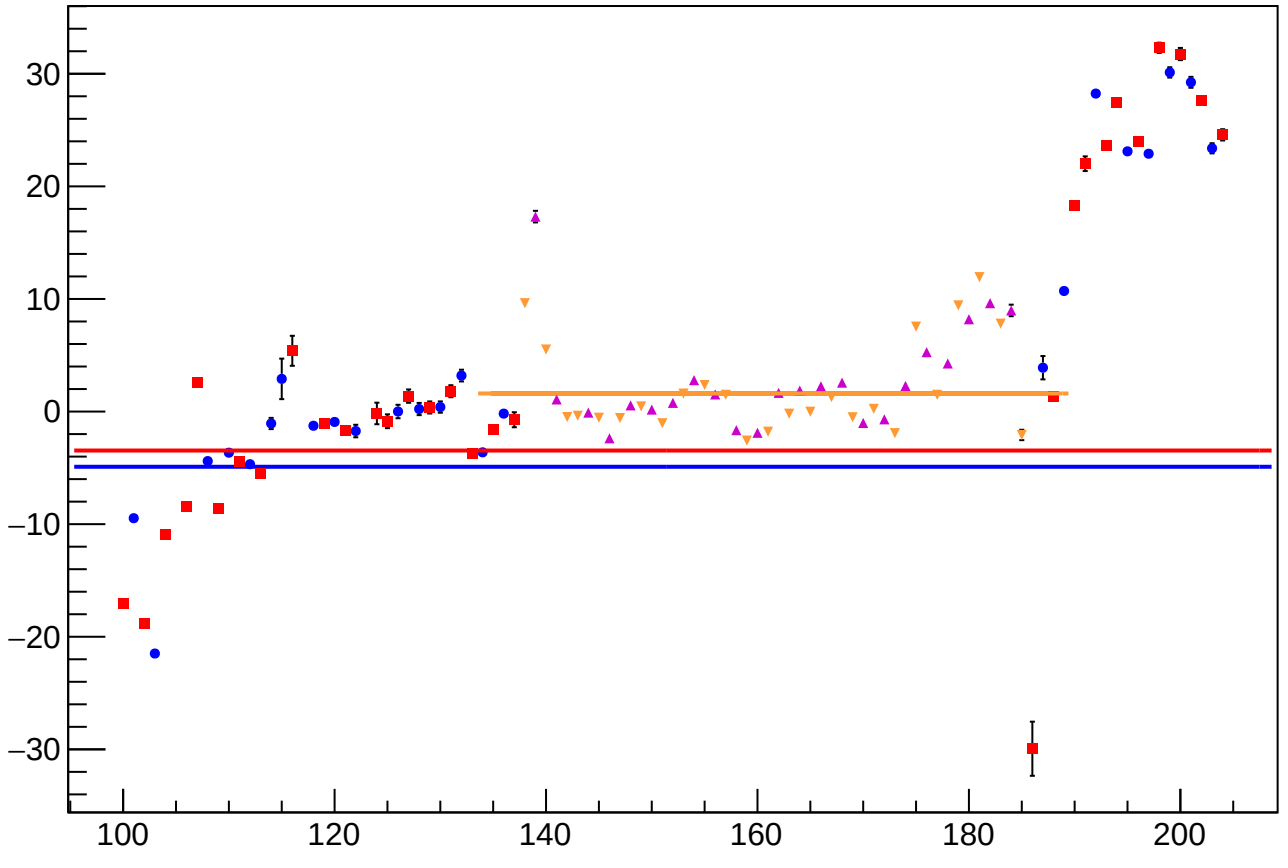
Left: -9.327+/-0.052 χ^2/NDF: 23320.3/47

Right: -1.786+/-0.034 χ^2/NDF: 10247.4/53

In: -4.321+/-0.042 χ^2/NDF:19748.4/46

Out: -3.818+/-0.039 χ^2/NDF:28402.1/54

All: -4.050+/-0.029 χ^2/NDF: 48227.5/101



Right In: -4.903+/-0.053 χ^2/NDF: 52322.7/23

Left Out: 1.606+/-0.055 χ^2/NDF:4677.2/24

Right Out: -3.460+/-0.053 χ^2/NDF: 60483.9/29

Left In: 1.605+/-0.058 χ^2/NDF:3656.4/22

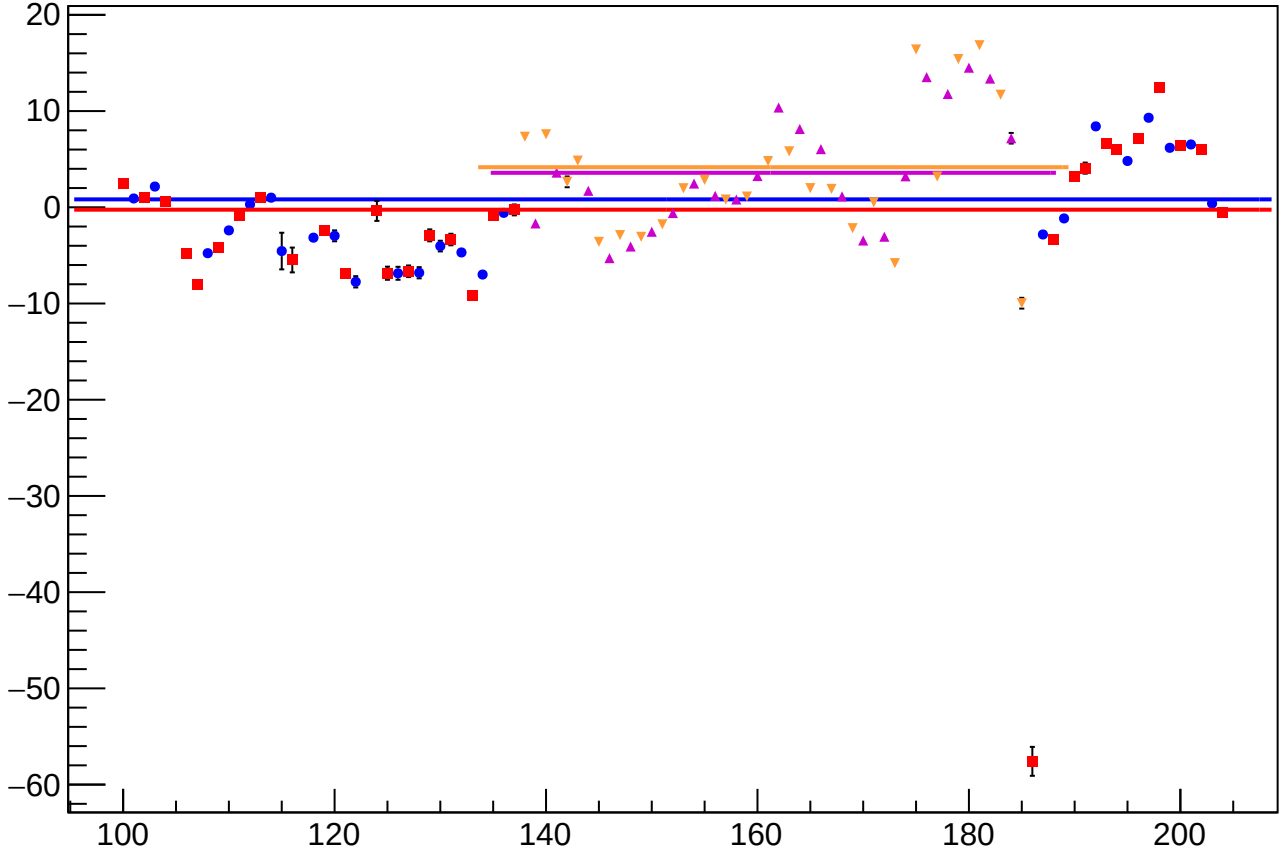
Left: 1.605+/-0.040 χ^2/NDF: 8333.6/47

Right: -4.168+/-0.037 χ^2/NDF: 113177.3/53

In: -1.895+/-0.039 χ^2/NDF:62826.1/46

Out: -1.052+/-0.038 χ^2/NDF:69582.9/54

All: -1.460+/-0.027 χ^2/NDF: 132647.2/101



Right In: 0.824+/-0.049 χ^2/NDF: 4145.1/23

Left Out: 4.167+/-0.072 χ^2/NDF:9246.5/24

Right Out: -0.250+/-0.047 χ^2/NDF: 8121.7/29

Left In: 3.584+/-0.074 χ^2/NDF:7228.4/22

Left: 3.883+/-0.052 χ^2/NDF: 16506.8/47

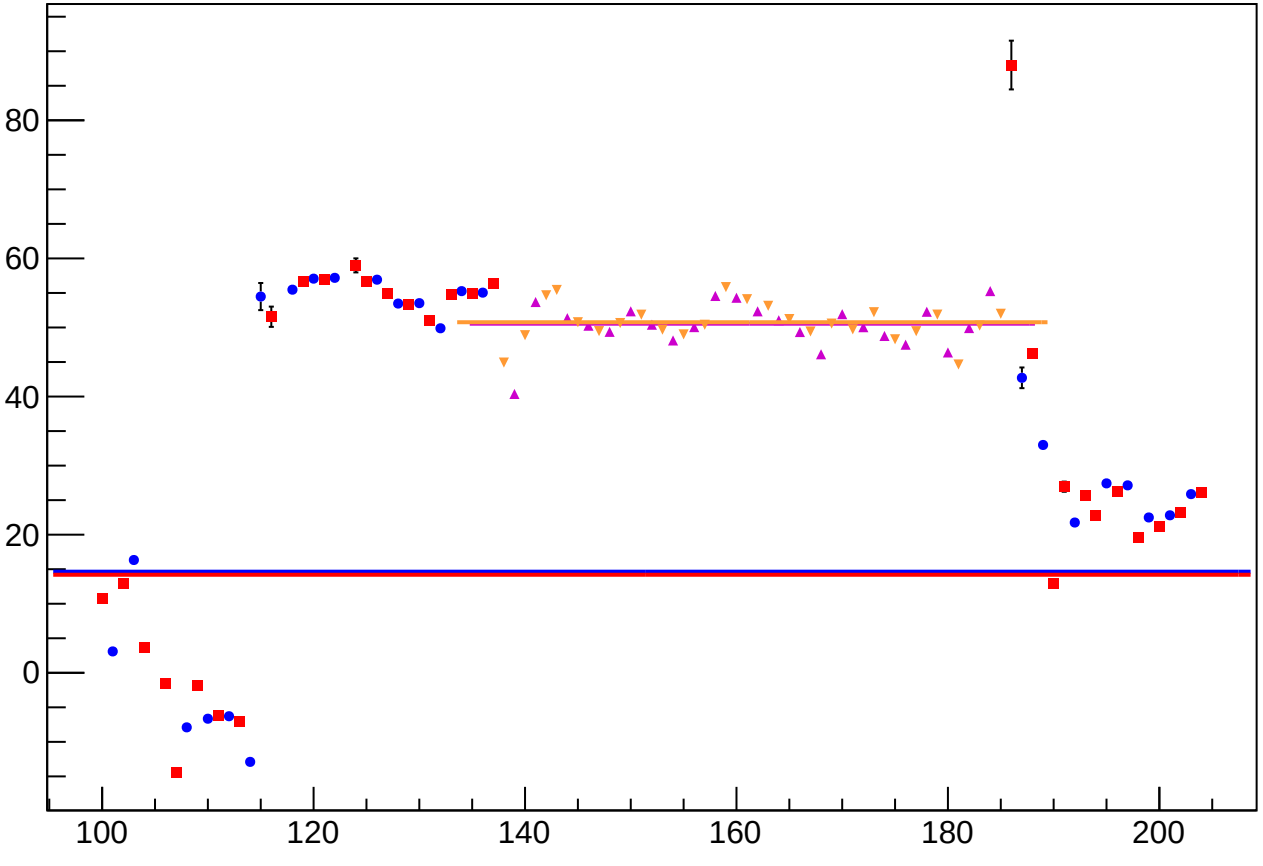
Right: 0.262+/-0.034 χ^2/NDF: 12521.0/53

In: 1.659+/-0.041 χ^2/NDF:12344.9/46

Out: 1.049+/-0.039 χ^2/NDF:20017.6/54

All: 1.342+/-0.028 χ^2/NDF: 32479.6/101

reg_asym_sam_15_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 14.642+/-0.064 χ^2/NDF: 113151.6/23

Left Out: 50.761+/-0.062 χ^2/NDF:1748.6/24

Right Out: 14.198+/-0.062 χ^2/NDF: 129764.1/29

Left In: 50.550+/-0.065 χ^2/NDF:1717.7/22

Left: 50.659+/-0.045 χ^2/NDF: 3471.7/47

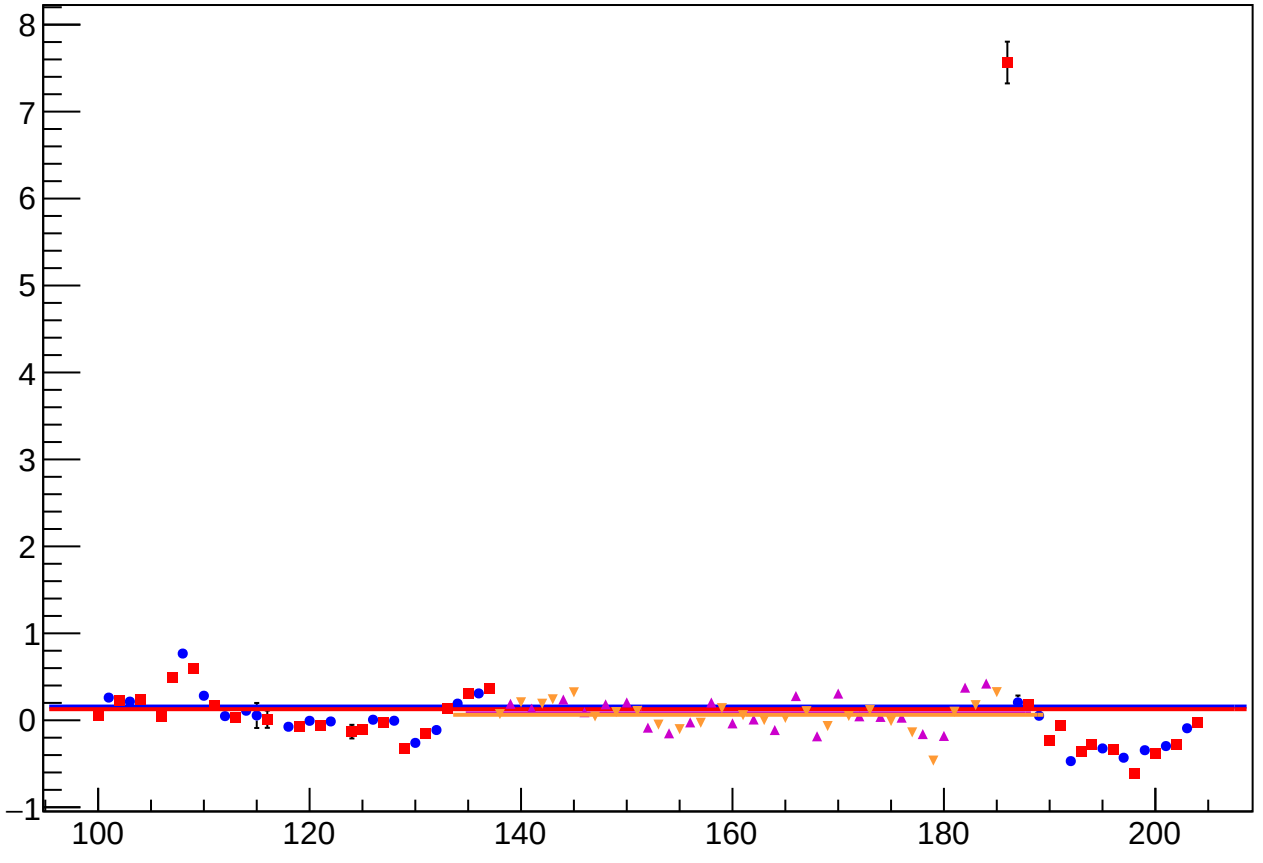
Right: 14.415+/-0.045 χ^2/NDF: 242940.4/53

In: 32.317+/-0.045 χ^2/NDF:270939.7/46

Out: 32.481+/-0.044 χ^2/NDF:302952.1/54

All: 32.402+/-0.032 χ^2/NDF: 573898.5/101

reg_asym_sam_15_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.158+/-0.003 χ^2/NDF: 12576.4/23

Left Out: 0.063+/-0.003 χ^2/NDF:2566.7/24

Right Out: 0.128+/-0.002 χ^2/NDF: 12529.5/29

Left In: 0.080+/-0.003 χ^2/NDF:3446.5/22

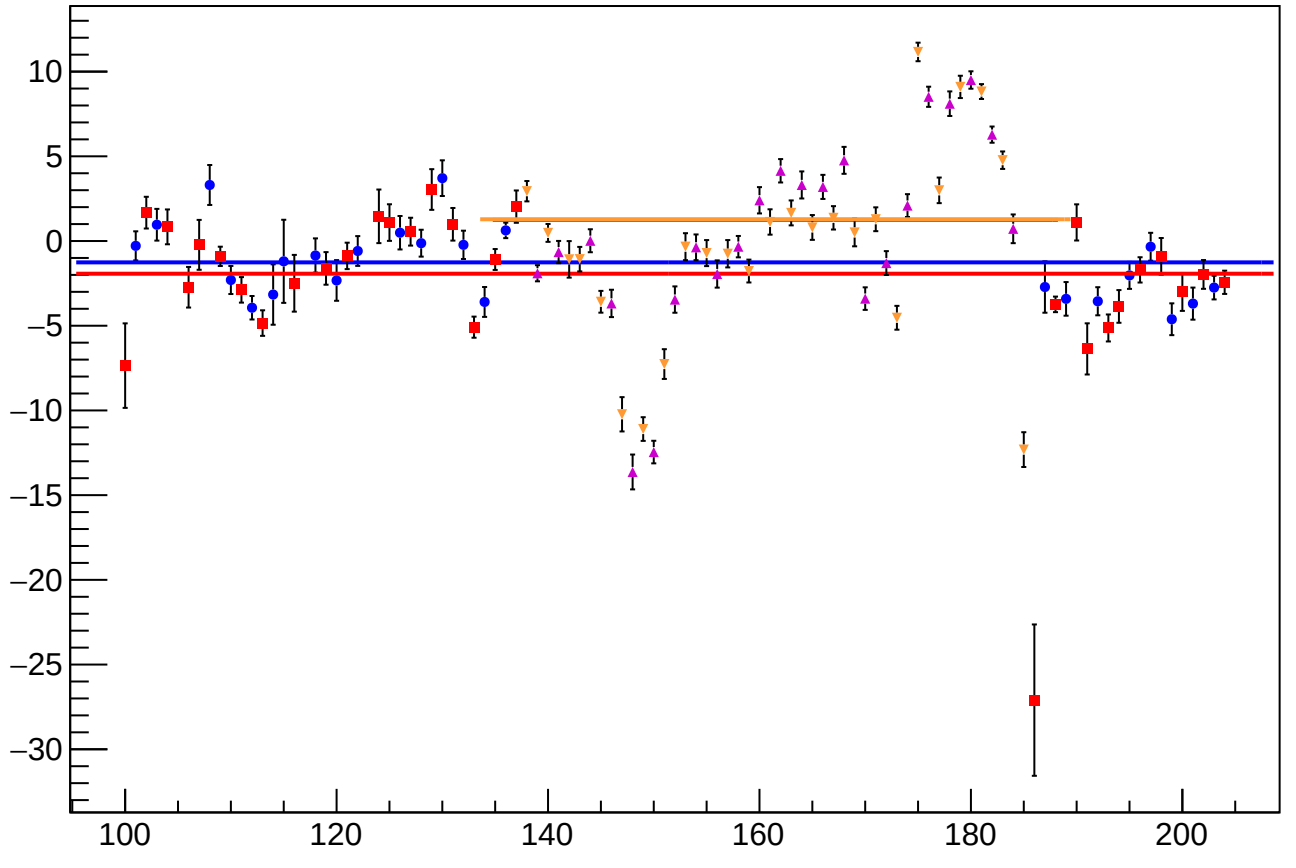
Left: 0.071+/-0.002 χ^2/NDF: 6029.9/47

Right: 0.142+/-0.002 χ^2/NDF: 25181.0/53

In: 0.123+/-0.002 χ^2/NDF:16451.0/46

Out: 0.100+/-0.002 χ^2/NDF:15399.3/54

All: 0.111+/-0.001 χ^2/NDF: 31929.3/101



Right In: -1.261+/-0.178 χ^2/NDF: 133.6/23

Left Out: 1.283+/-0.137 χ^2/NDF:1715.5/24

Right Out: -1.930+/-0.159 χ^2/NDF: 229.5/29

Left In: 1.247+/-0.140 χ^2/NDF:1512.4/22

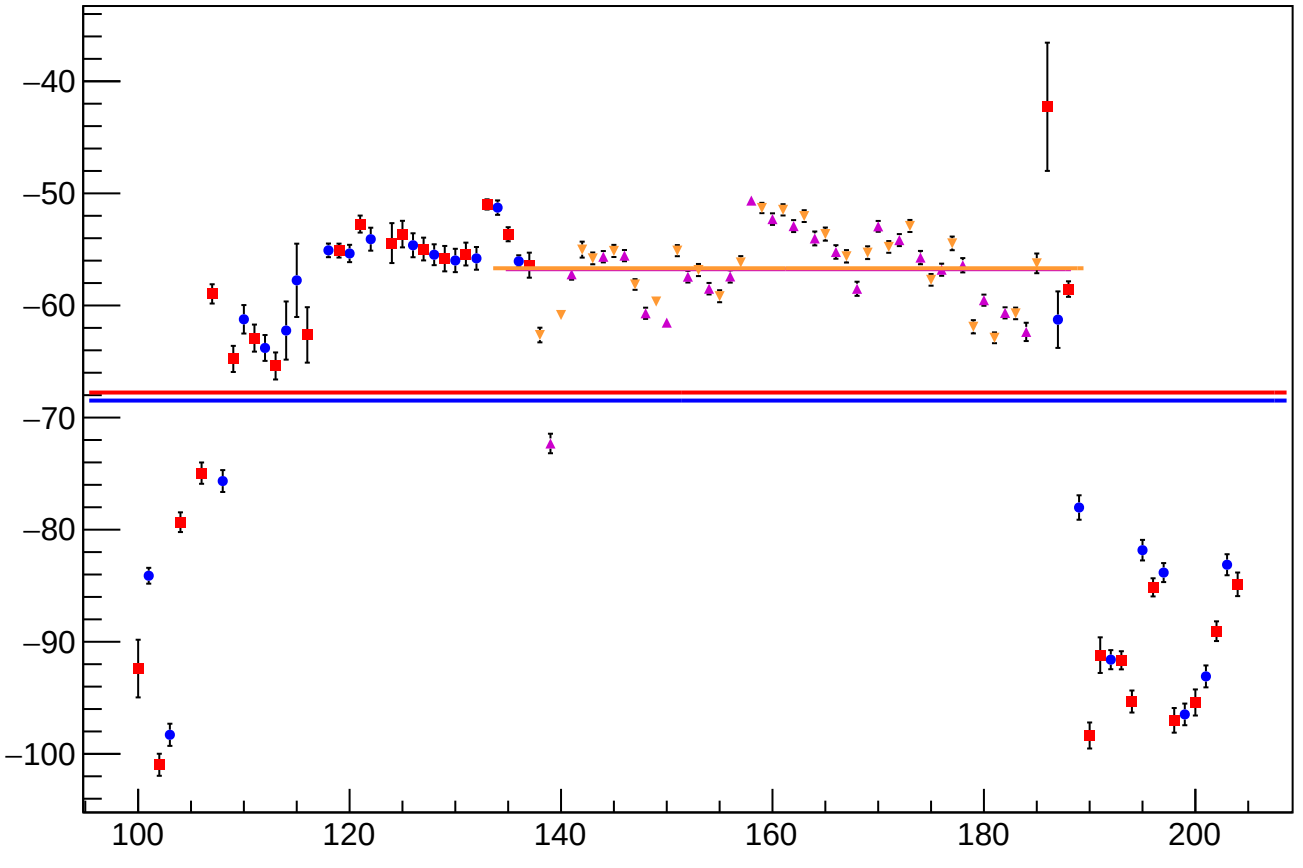
Left: 1.265+/-0.098 χ^2/NDF: 3228.0/47

Right: -1.634+/-0.119 χ^2/NDF: 370.9/53

In: 0.286+/-0.110 χ^2/NDF:1768.1/46

Out: -0.087+/-0.104 χ^2/NDF:2179.6/54

All: 0.088+/-0.076 χ^2/NDF: 3953.7/101



Right In: -68.483+/-0.186 χ^2/NDF: 7484.5/23

Left Out: -56.680+/-0.107 χ^2/NDF:1014.5/24

Right Out: -67.766+/-0.170 χ^2/NDF: 10334.9/29

Left In: -56.765+/-0.112 χ^2/NDF:1108.9/22

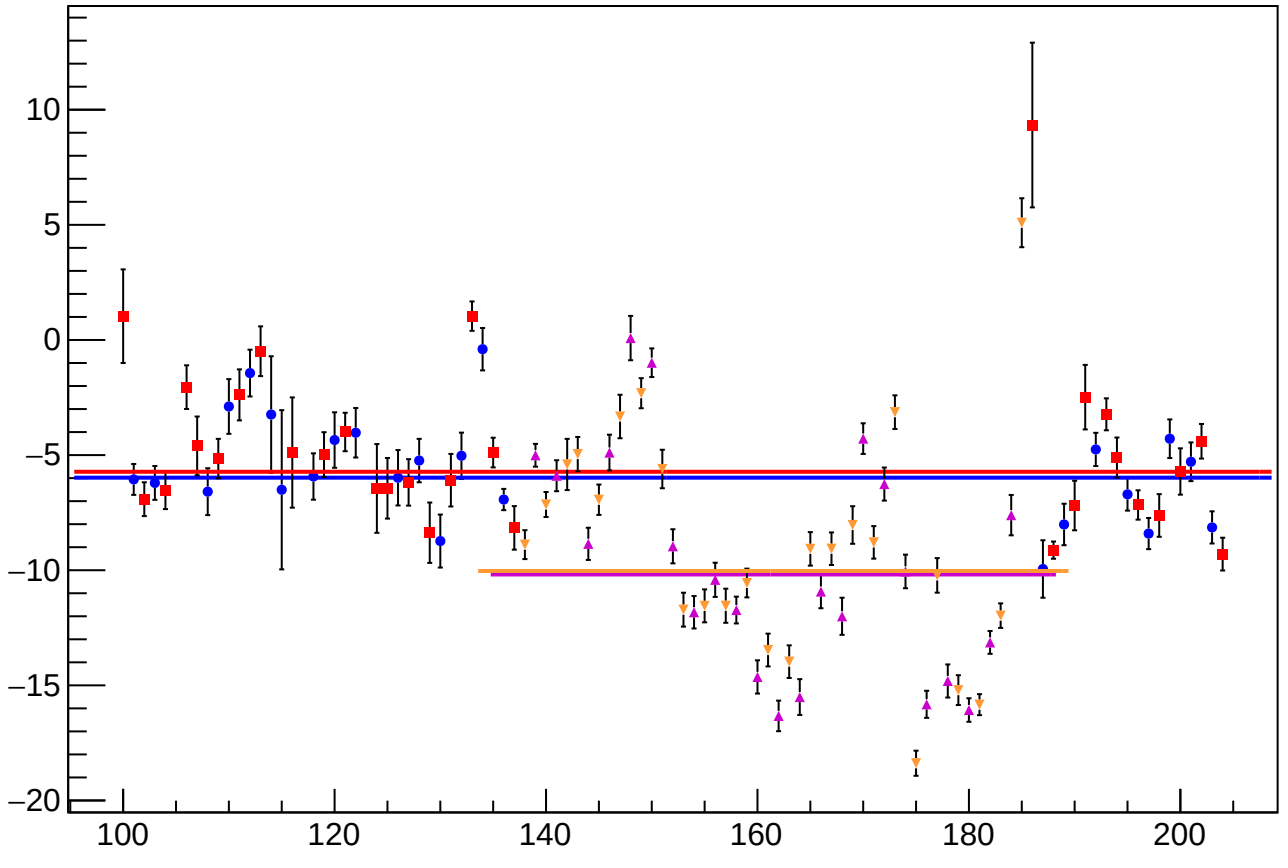
Left: -56.721+/-0.077 χ^2/NDF: 2123.6/47

Right: -68.093+/-0.125 χ^2/NDF: 17827.4/53

In: -59.894+/-0.096 χ^2/NDF:11518.0/46

Out: -59.830+/-0.091 χ^2/NDF:14386.5/54

All: -59.860+/-0.066 χ^2/NDF: 25904.7/101



Right In: -5.980+/-0.177 χ^2/NDF: 128.1/23

Left Out: -10.034+/-0.136 χ^2/NDF:1182.4/24

Right Out: -5.723+/-0.157 χ^2/NDF: 352.7/29

Left In: -10.184+/-0.139 χ^2/NDF:1142.6/22

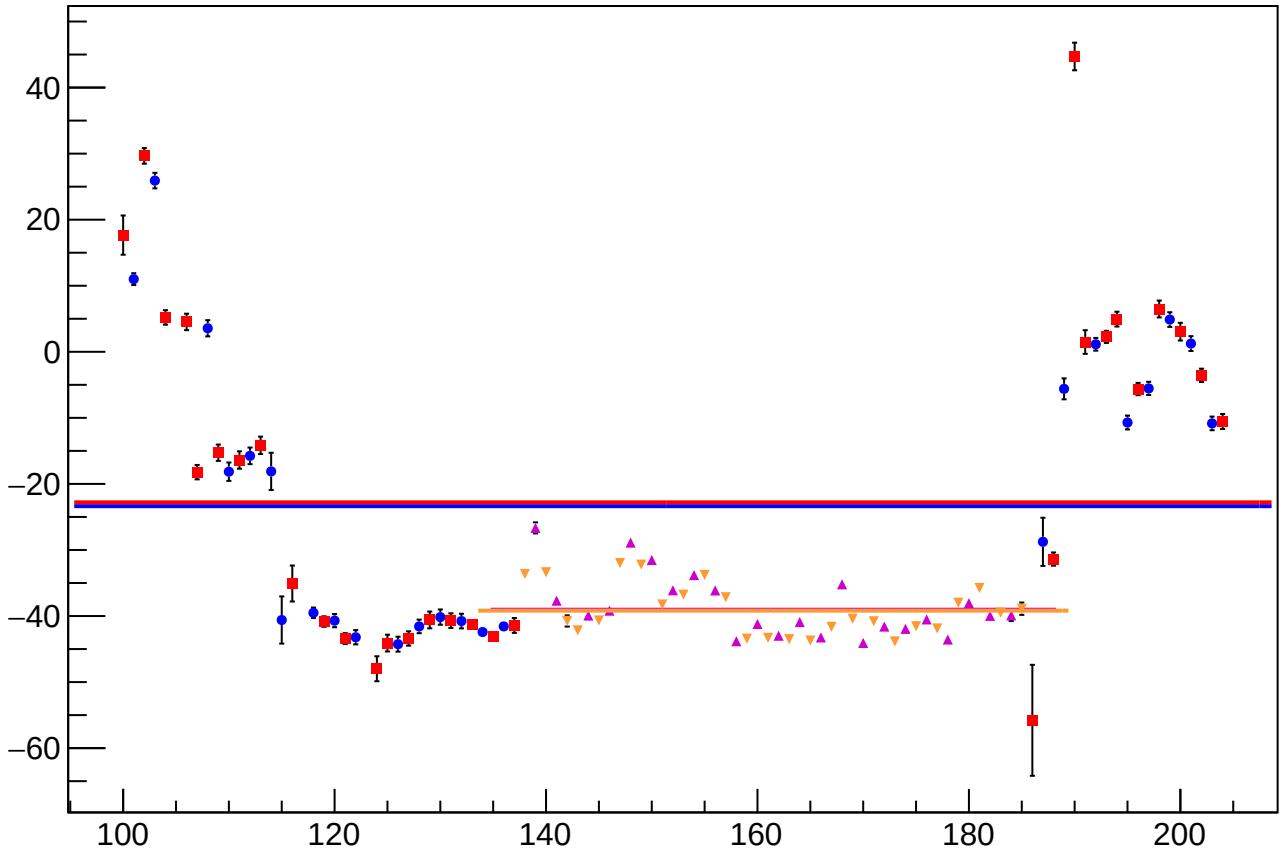
Left: -10.107+/-0.097 χ^2/NDF: 2325.6/47

Right: -5.836+/-0.118 χ^2/NDF: 482.0/53

In: -8.583+/-0.109 χ^2/NDF:1618.4/46

Out: -8.182+/-0.103 χ^2/NDF:1965.2/54

All: -8.370+/-0.075 χ^2/NDF: 3590.8/101



Right In: -23.370+/-0.213 χ^2/NDF: 10287.6/23

Left Out: -39.183+/-0.120 χ^2/NDF:1034.1/24

Right Out: -22.789+/-0.199 χ^2/NDF: 12573.0/29

Left In: -39.044+/-0.124 χ^2/NDF:1226.4/22

Left: -39.116+/-0.086 χ^2/NDF: 2261.1/47

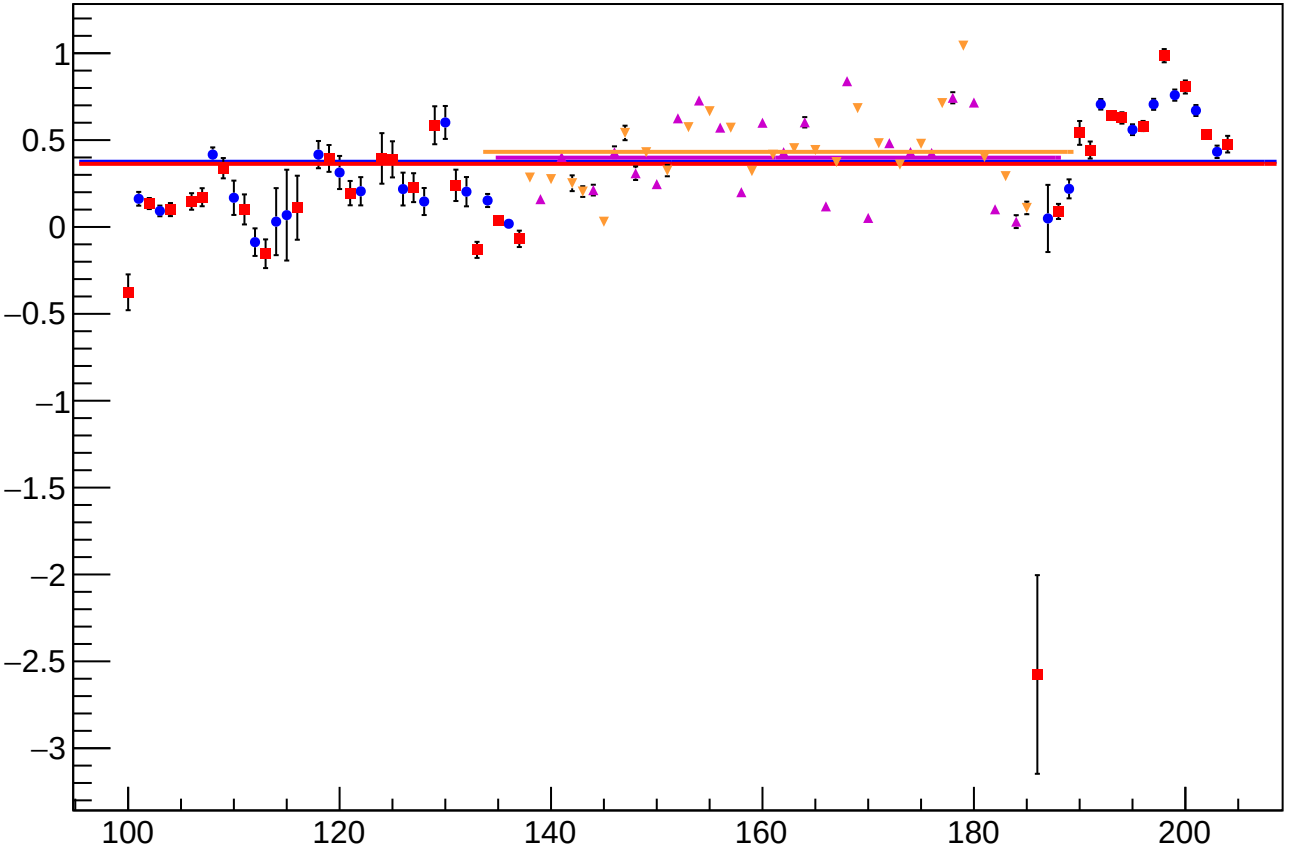
Right: -23.060+/-0.145 χ^2/NDF: 22864.6/53

In: -35.062+/-0.107 χ^2/NDF:15557.0/46

Out: -34.804+/-0.103 χ^2/NDF:18592.0/54

All: -34.927+/-0.074 χ^2/NDF: 34152.0/101

reg_asym_sam_15_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.375+/-0.009 χ^2/NDF: 998.7/23

Left Out: 0.432+/-0.005 χ^2/NDF:1368.7/24

Right Out: 0.363+/-0.008 χ^2/NDF: 1350.8/29

Left In: 0.399+/-0.005 χ^2/NDF:1923.8/22

Left: 0.416+/-0.004 χ^2/NDF: 3312.1/47

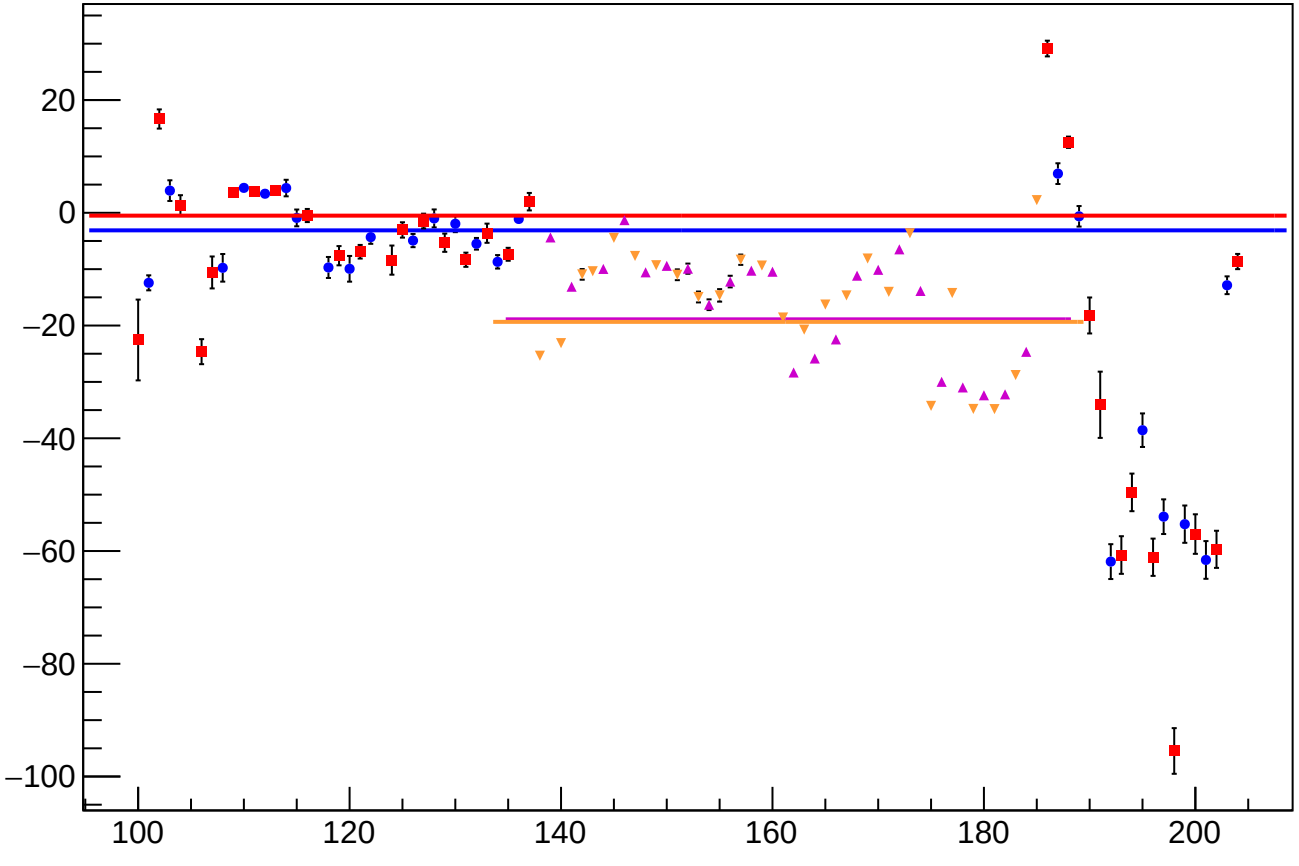
Right: 0.369+/-0.006 χ^2/NDF: 2350.5/53

In: 0.393+/-0.005 χ^2/NDF:2927.6/46

Out: 0.413+/-0.004 χ^2/NDF:2767.5/54

All: 0.403+/-0.003 χ^2/NDF: 5704.9/101

reg_asym_sam_37_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -3.115+/-0.265 χ^2/NDF: 1783.5/23

Left Out: -19.347+/-0.113 χ^2/NDF:10394.7/24

Right Out: -0.506+/-0.244 χ^2/NDF: 3257.4/29

Left In: -18.902+/-0.116 χ^2/NDF:8286.2/22

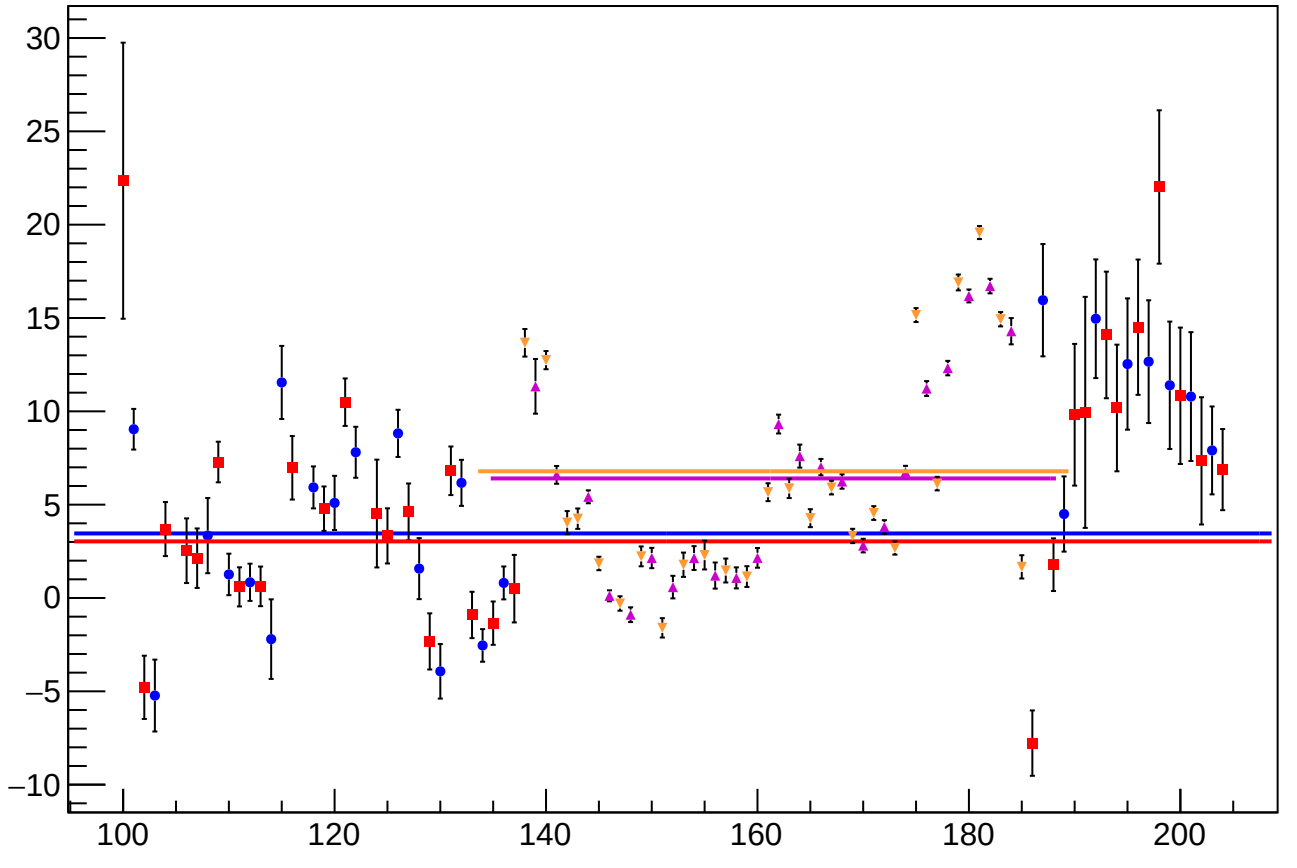
Left: -19.130+/-0.081 χ^2/NDF: 18688.5/47

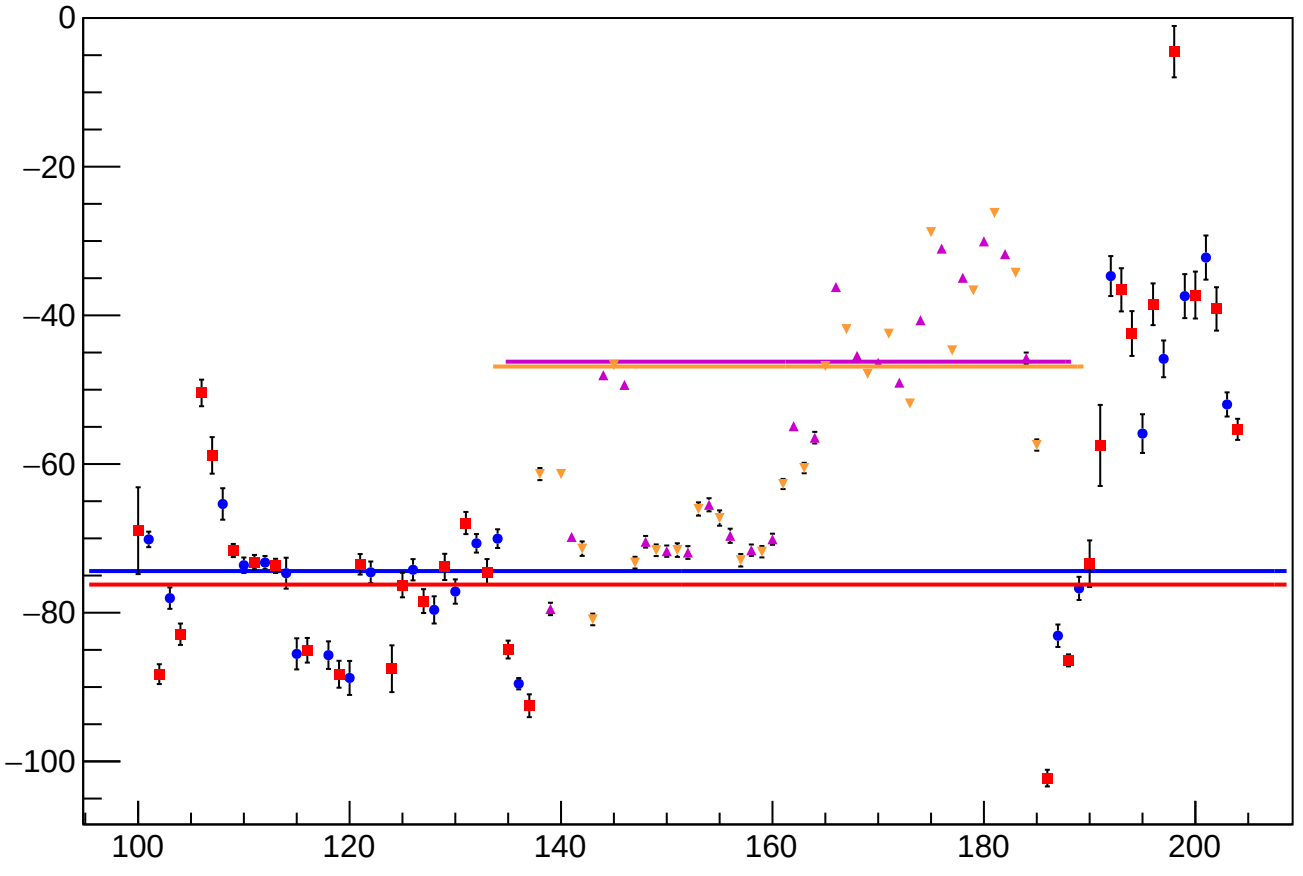
Right: -1.701+/-0.180 χ^2/NDF: 5093.3/53

In: -16.363+/-0.106 χ^2/NDF:13041.1/46

Out: -16.001+/-0.103 χ^2/NDF:18557.7/54

All: -16.176+/-0.074 χ^2/NDF: 31604.7/101


reg_asym_sam_37_avg_diff_bpm4aY_slope vs Slug, Sign Corrected
30
25
20
15
10
5
0
−5
−10
100
120
140
160
180
200
Right In: 3.458+/-0.299 χ²/NDF: 262.3/23
Left Out: 6.788+/-0.090 χ²/NDF:4632.5/24
Right Out: 3.032+/-0.298 χ²/NDF: 244.4/29
Left In: 6.404+/-0.091 χ²/NDF:3410.4/22
Left: 6.598+/-0.064 χ²/NDF: 8051.9/47
Right: 3.244+/-0.211 χ²/NDF: 507.7/53
In: 6.154+/-0.087 χ²/NDF:3761.4/46
Out: 6.474+/-0.086 χ²/NDF:5022.1/54
All: 6.316+/-0.061 χ²/NDF: 8790.3/101



Right In: -74.397+/-0.297 χ^2/NDF: 1558.3/23

Left Out: -46.883+/-0.114 χ^2/NDF:17974.5/24

Right Out: -76.215+/-0.279 χ^2/NDF: 2861.5/29

Left In: -46.231+/-0.116 χ^2/NDF:15169.3/22

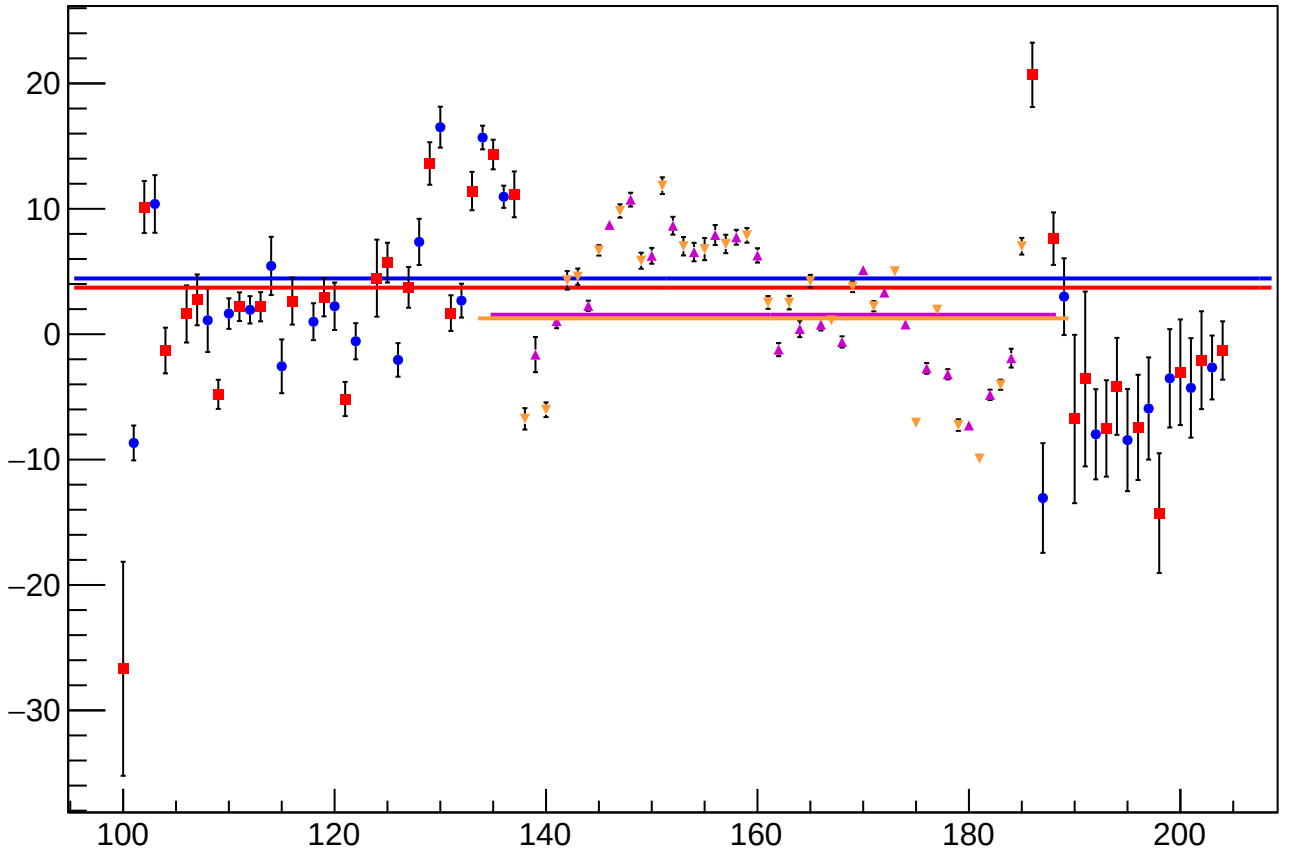
Left: -46.563+/-0.081 χ^2/NDF: 33159.8/47

Right: -75.365+/-0.203 χ^2/NDF: 4439.7/53

In: -49.963+/-0.108 χ^2/NDF:24503.8/46

Out: -51.083+/-0.105 χ^2/NDF:30333.6/54

All: -50.538+/-0.076 χ^2/NDF: 54892.3/101



Right In: 4.447+/-0.337 χ^2/NDF: 477.6/23

Left Out: 1.261+/-0.100 χ^2/NDF:3445.7/24

Right Out: 3.714+/-0.341 χ^2/NDF: 385.8/29

Left In: 1.551+/-0.102 χ^2/NDF:2335.7/22

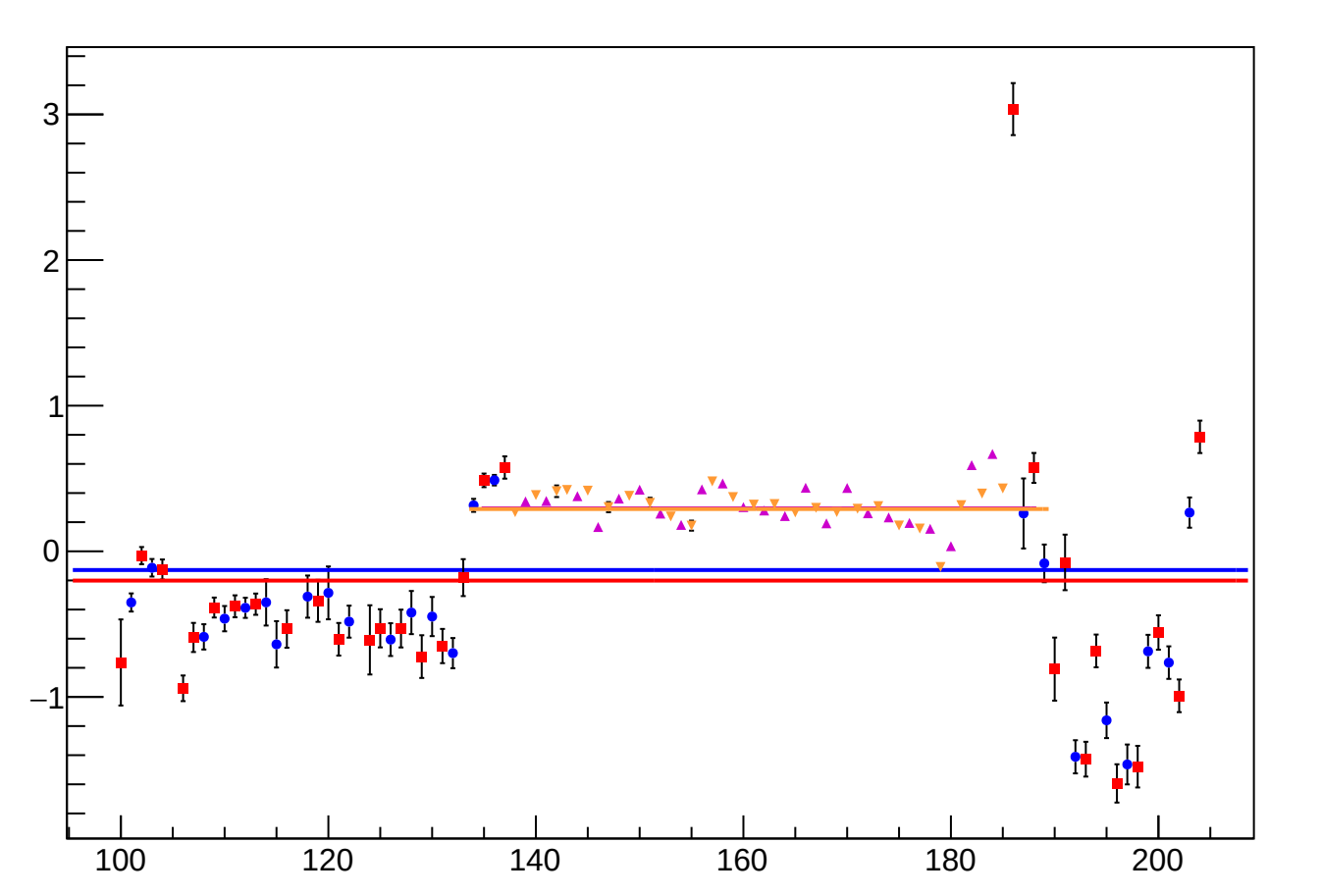
Left: 1.404+/-0.072 χ^2/NDF: 5785.4/47

Right: 4.085+/-0.239 χ^2/NDF: 865.8/53

In: 1.794+/-0.098 χ^2/NDF:2881.0/46

Out: 1.457+/-0.096 χ^2/NDF:3879.2/54

All: 1.624+/-0.069 χ^2/NDF: 6766.2/101



Right In: -0.128+/-0.017 χ^2/NDF: 909.3/23

Left Out: 0.290+/-0.004 χ^2/NDF:719.3/24

Right Out: -0.201+/-0.018 χ^2/NDF: 1346.6/29

Left In: 0.295+/-0.005 χ^2/NDF:1035.4/22

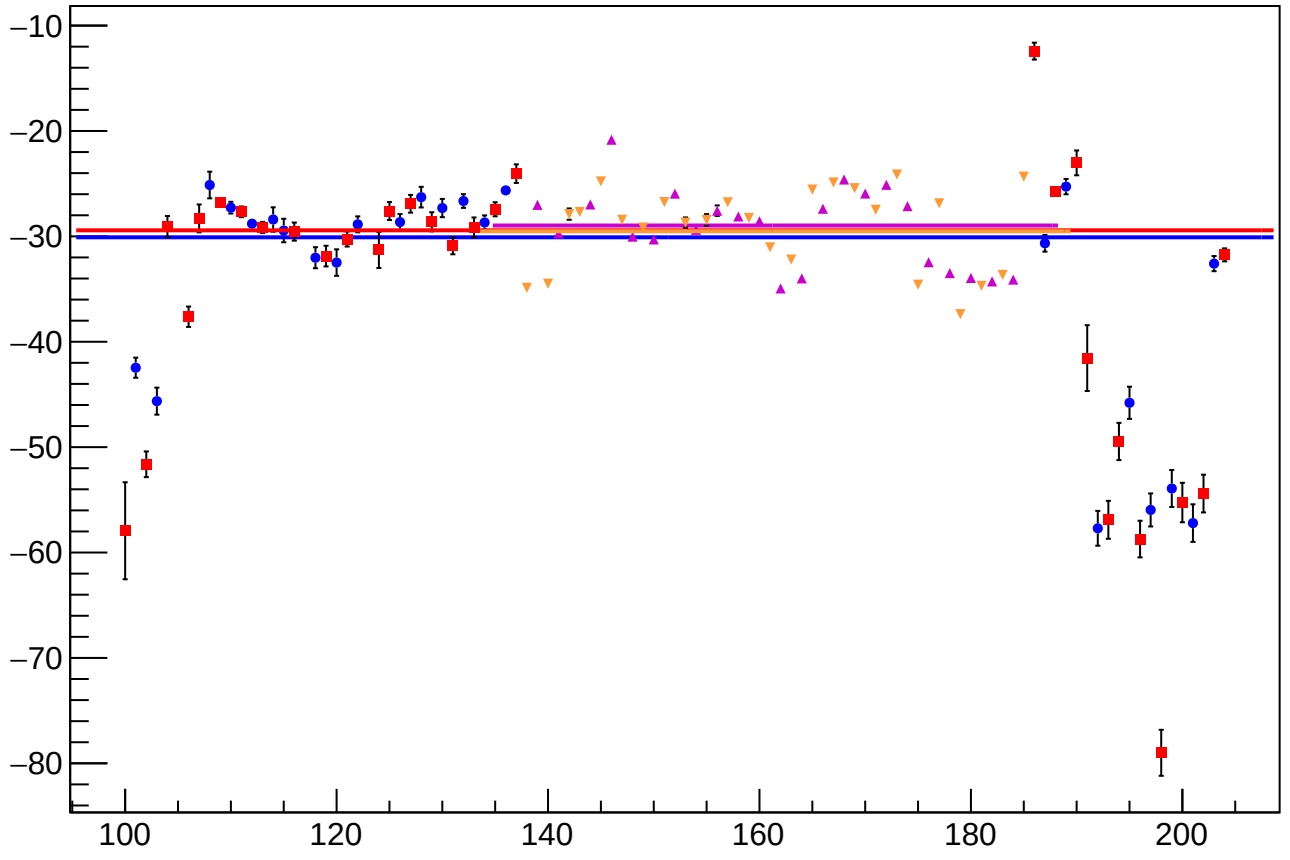
Left: 0.293+/-0.003 χ^2/NDF: 1755.3/47

Right: -0.164+/-0.012 χ^2/NDF: 2264.3/53

In: 0.268+/-0.004 χ^2/NDF:2501.1/46

Out: 0.261+/-0.004 χ^2/NDF:2772.7/54

All: 0.265+/-0.003 χ^2/NDF: 5275.0/101



Right In: -30.089+/-0.166 χ^2/NDF: 1672.9/23

Left Out: -29.516+/-0.056 χ^2/NDF:6088.5/24

Right Out: -29.426+/-0.154 χ^2/NDF: 2687.1/29

Left In: -28.971+/-0.057 χ^2/NDF:5348.6/22

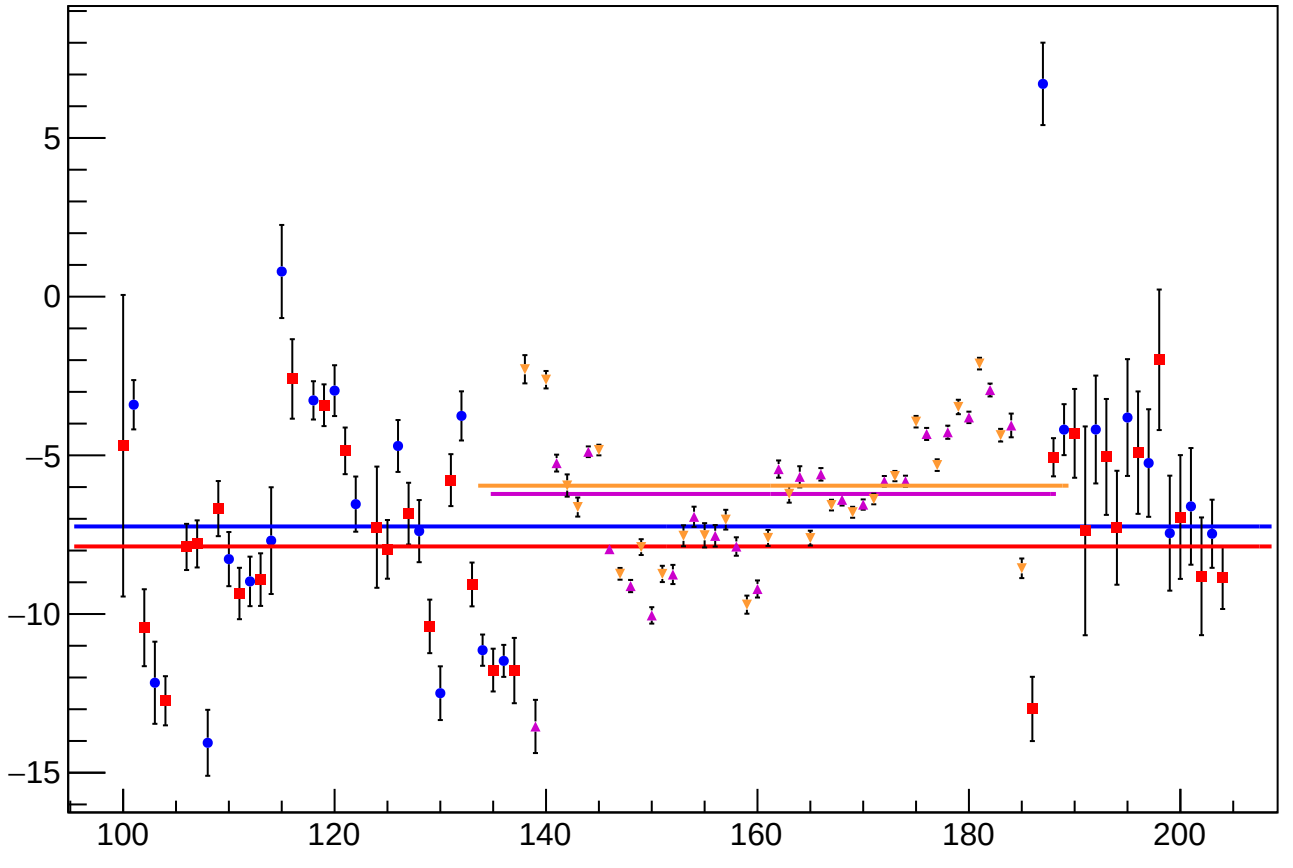
Left: -29.247+/-0.040 χ^2/NDF: 11483.3/47

Right: -29.731+/-0.113 χ^2/NDF: 4368.7/53

In: -29.089+/-0.054 χ^2/NDF:7062.1/46

Out: -29.505+/-0.053 χ^2/NDF:8775.9/54

All: -29.301+/-0.038 χ^2/NDF: 15868.4/101



Right In: -7.241+/-0.180 χ^2/NDF: 530.7/23

Left Out: -5.956+/-0.044 χ^2/NDF:1857.8/24

Right Out: -7.871+/-0.174 χ^2/NDF: 266.3/29

Left In: -6.217+/-0.044 χ^2/NDF:1741.8/22

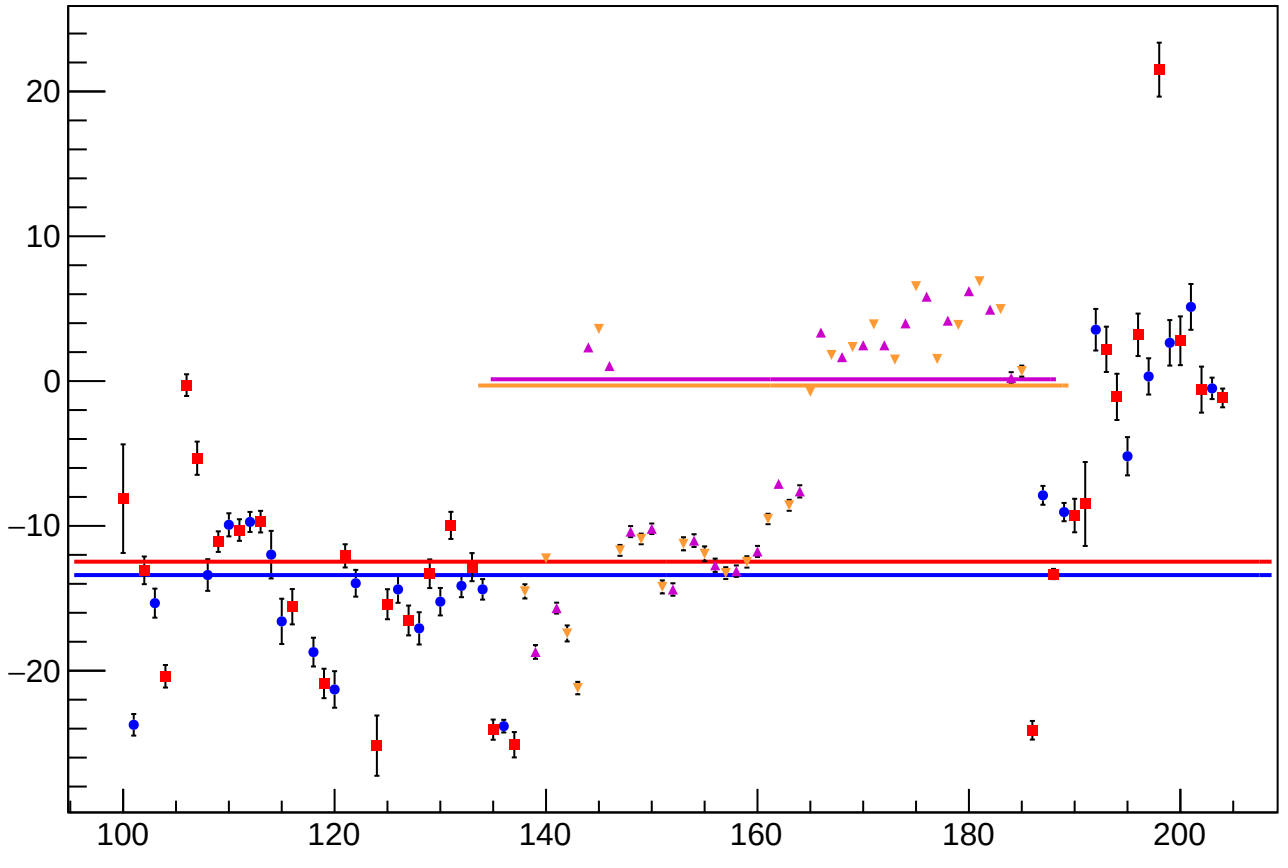
Left: -6.087+/-0.031 χ^2/NDF: 3616.9/47

Right: -7.565+/-0.125 χ^2/NDF: 803.3/53

In: -6.275+/-0.043 χ^2/NDF:2303.0/46

Out: -6.073+/-0.043 χ^2/NDF:2237.2/54

All: -6.174+/-0.030 χ^2/NDF: 4551.2/101



Right In: -13.396+/-0.177 χ^2/NDF: 1863.9/23

Left Out: -0.306+/-0.057 χ^2/NDF:17181.6/24

Right Out: -12.471+/-0.160 χ^2/NDF: 2436.2/29

Left In: 0.125+/-0.057 χ^2/NDF:13838.6/22

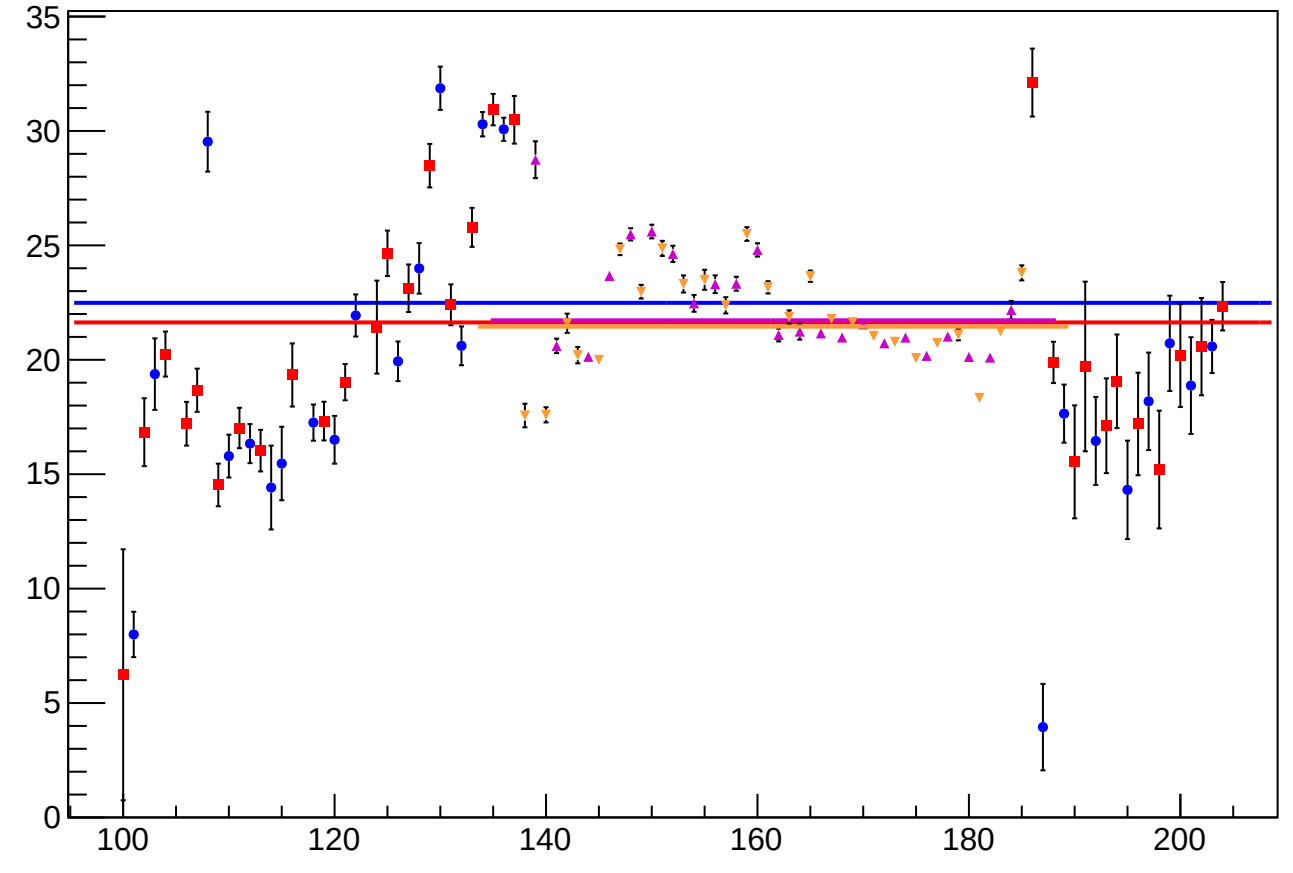
Left: -0.092+/-0.040 χ^2/NDF: 31049.0/47

Right: -12.889+/-0.119 χ^2/NDF: 4315.1/53

In: -1.148+/-0.054 χ^2/NDF:21001.9/46

Out: -1.650+/-0.053 χ^2/NDF:24730.3/54

All: -1.404+/-0.038 χ^2/NDF: 45775.7/101



Right In: 22.489+/-0.205 χ^2/NDF: 1164.8/23

Left Out: 21.447+/-0.050 χ^2/NDF:1325.2/24

Right Out: 21.633+/-0.204 χ^2/NDF: 636.0/29

Left In: 21.725+/-0.050 χ^2/NDF:1173.7/22

Left: 21.586+/-0.035 χ^2/NDF: 2514.7/47

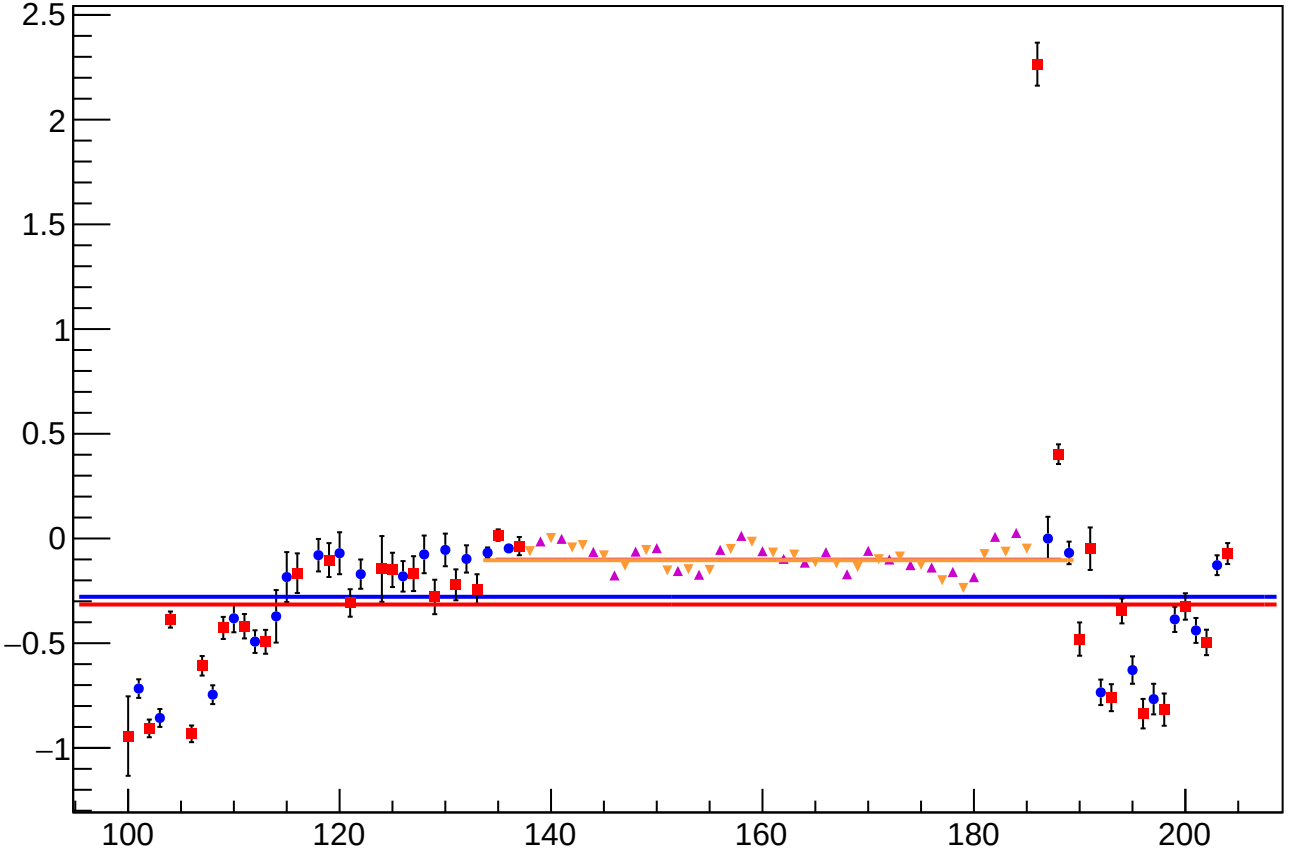
Right: 22.060+/-0.145 χ^2/NDF: 1809.6/53

In: 21.768+/-0.048 χ^2/NDF:2351.7/46

Out: 21.457+/-0.048 χ^2/NDF:1962.0/54

All: 21.612+/-0.034 χ^2/NDF: 4334.4/101

reg_asym_sam_37_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.278+/-0.010 χ^2/NDF: 811.8/23

Left Out: -0.104+/-0.002 χ^2/NDF:547.4/24

Right Out: -0.315+/-0.010 χ^2/NDF: 1772.4/29

Left In: -0.101+/-0.002 χ^2/NDF:757.6/22

Left: -0.103+/-0.002 χ^2/NDF: 1305.7/47

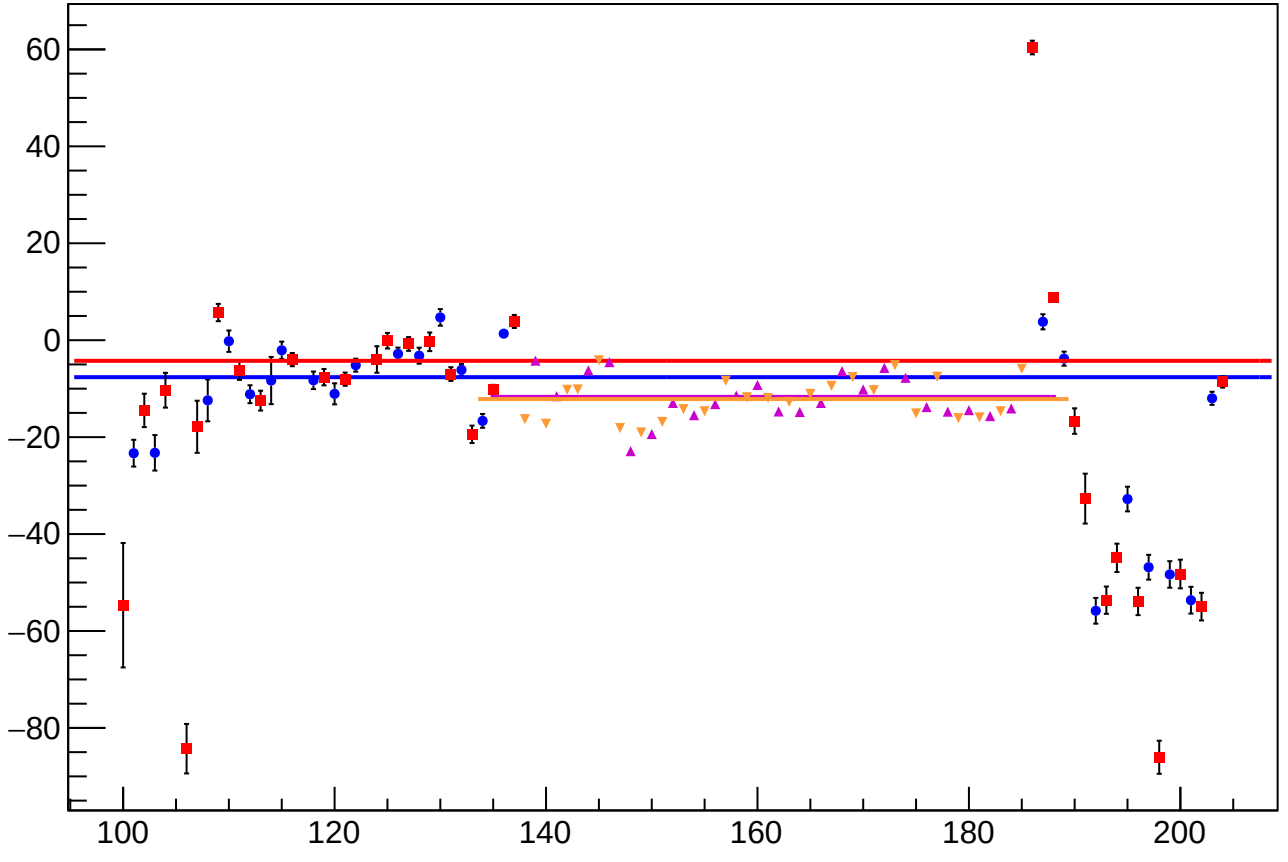
Right: -0.297+/-0.007 χ^2/NDF: 2590.5/53

In: -0.109+/-0.002 χ^2/NDF:1853.6/46

Out: -0.113+/-0.002 χ^2/NDF:2712.7/54

All: -0.111+/-0.002 χ^2/NDF: 4567.7/101

reg_asym_sam_26_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -7.628+/-0.333 χ^2/NDF: 1604.0/23

Left Out: -12.143+/-0.092 χ^2/NDF:2130.5/24

Right Out: -4.250+/-0.322 χ^2/NDF: 4842.6/29

Left In: -11.698+/-0.094 χ^2/NDF:1951.0/22

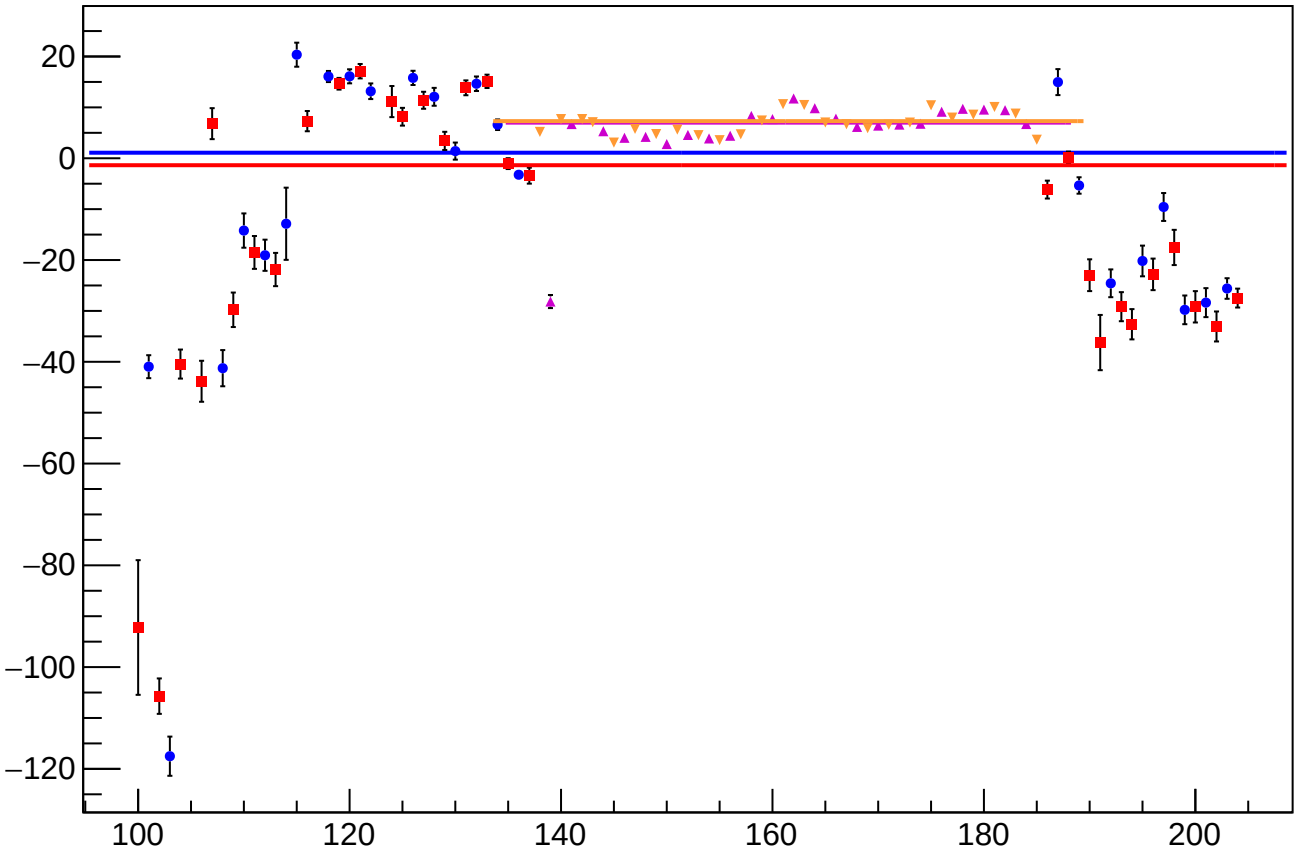
Left: -11.927+/-0.066 χ^2/NDF: 4092.9/47

Right: -5.882+/-0.232 χ^2/NDF: 6499.8/53

In: -11.397+/-0.091 χ^2/NDF:3693.2/46

Out: -11.554+/-0.088 χ^2/NDF:7528.2/54

All: -11.478+/-0.063 χ^2/NDF: 11222.9/101



Right In: 1.091+/-0.350 χ^2/NDF: 2838.0/23

Left Out: 7.297+/-0.075 χ^2/NDF:822.9/24

Right Out: -1.366+/-0.359 χ^2/NDF: 2919.8/29

Left In: 7.004+/-0.076 χ^2/NDF:1576.0/22

Left: 7.153+/-0.053 χ^2/NDF: 2406.4/47

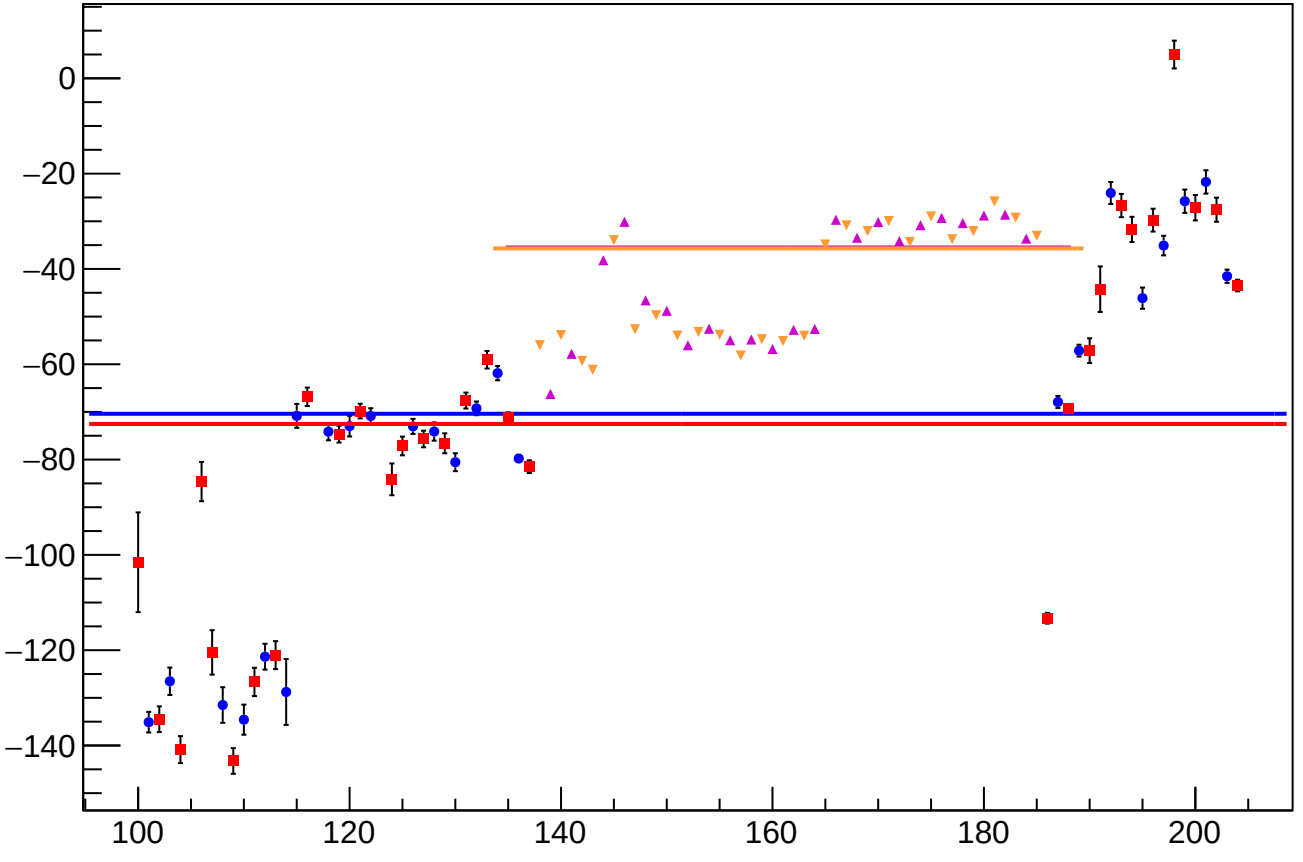
Right: -0.106+/-0.251 χ^2/NDF: 5781.7/53

In: 6.738+/-0.074 χ^2/NDF:4686.2/46

Out: 6.936+/-0.073 χ^2/NDF:4299.7/54

All: 6.838+/-0.052 χ^2/NDF: 8989.4/101

reg_asym_sam_26_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -70.389+/-0.343 χ^2/NDF: 4735.2/23

Left Out: -35.690+/-0.092 χ^2/NDF:12778.3/24

Right Out: -72.524+/-0.324 χ^2/NDF: 6878.4/29

Left In: -35.497+/-0.095 χ^2/NDF:11162.0/22

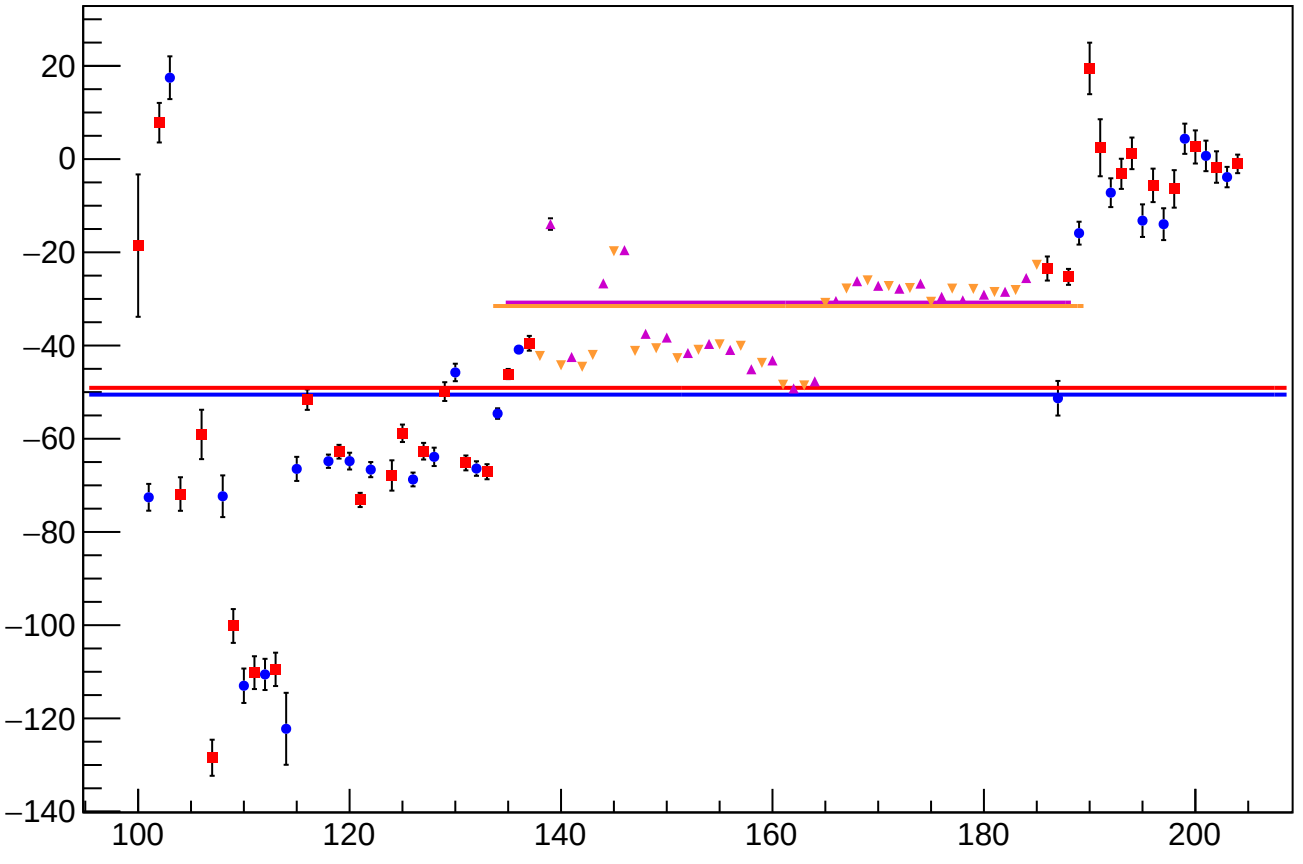
Left: -35.596+/-0.066 χ^2/NDF: 23942.5/47

Right: -71.519+/-0.236 χ^2/NDF: 11634.1/53

In: -37.959+/-0.091 χ^2/NDF:25499.1/46

Out: -38.456+/-0.089 χ^2/NDF:31632.4/54

All: -38.214+/-0.064 χ^2/NDF: 57146.8/101



Right In: -50.533+/-0.394 χ^2/NDF: 3375.0/23

Left Out: -31.520+/-0.083 χ^2/NDF:8457.7/24

Right Out: -49.078+/-0.415 χ^2/NDF: 4345.1/29

Left In: -30.789+/-0.084 χ^2/NDF:7548.8/22

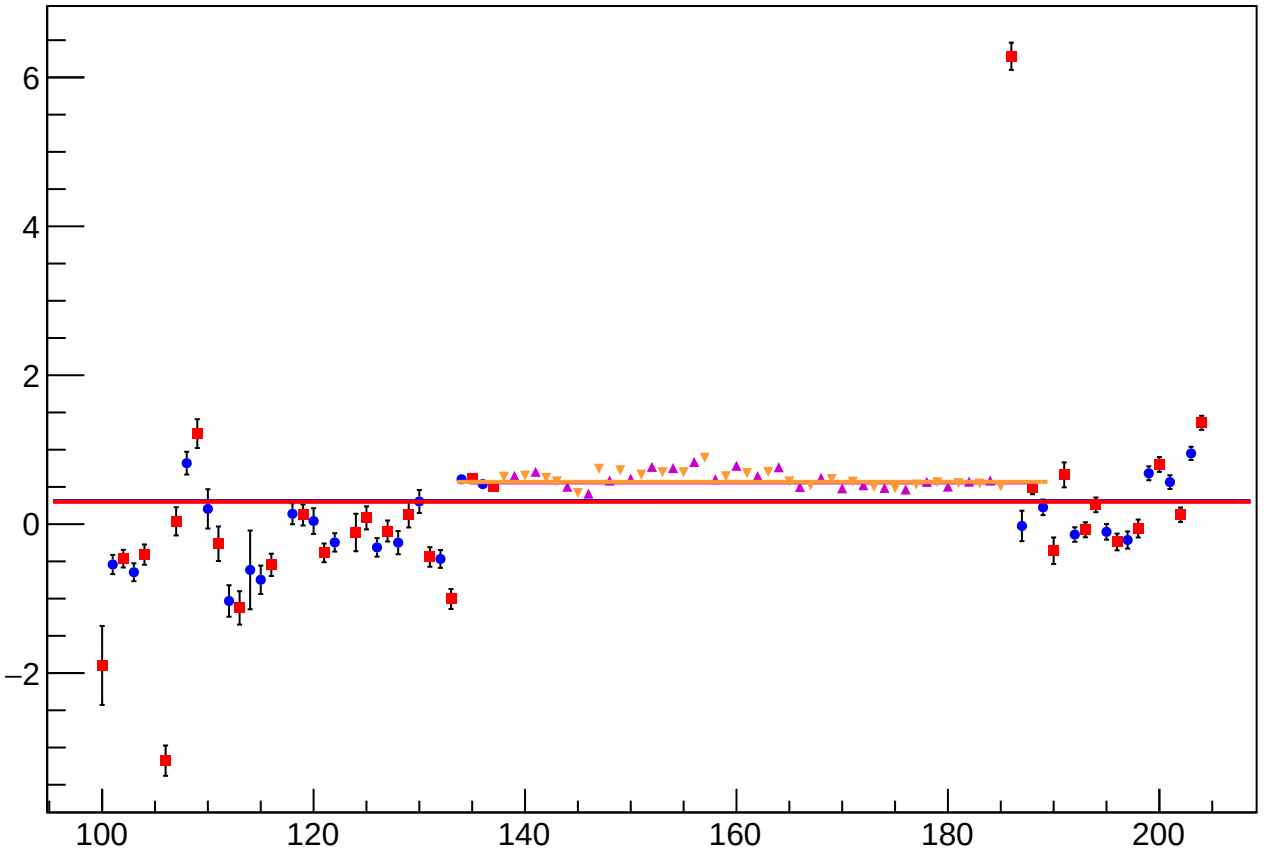
Left: -31.161+/-0.059 χ^2/NDF: 16044.8/47

Right: -49.841+/-0.286 χ^2/NDF: 7726.6/53

In: -31.651+/-0.082 χ^2/NDF:13319.3/46

Out: -32.193+/-0.081 χ^2/NDF:14527.8/54

All: -31.926+/-0.058 χ^2/NDF: 27869.0/101



Right In: 0.310+/-0.019 χ^2/NDF: 510.5/23

Left Out: 0.568+/-0.004 χ^2/NDF:554.5/24

Right Out: 0.300+/-0.021 χ^2/NDF: 2005.8/29

Left In: 0.560+/-0.004 χ^2/NDF:671.5/22

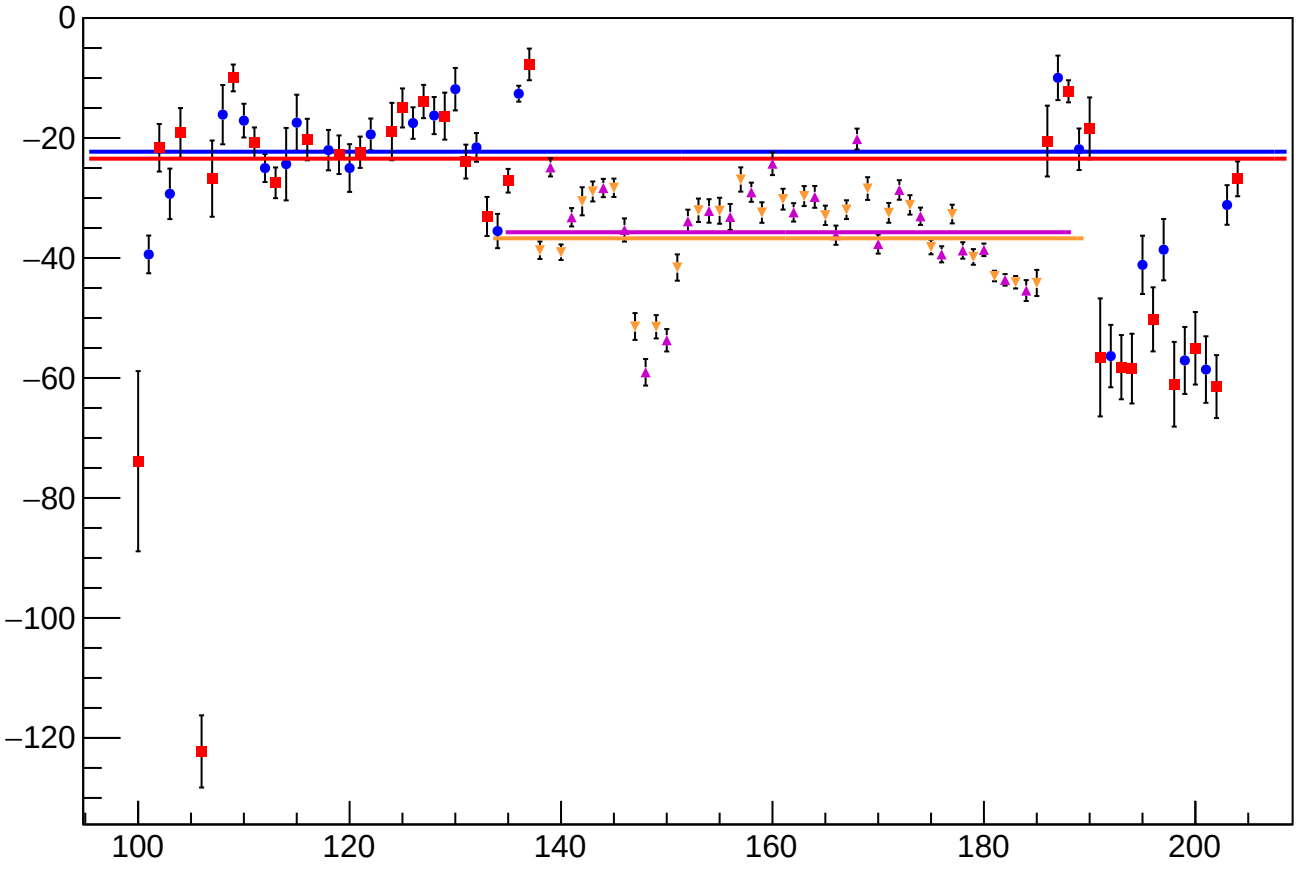
Left: 0.564+/-0.003 χ^2/NDF: 1228.5/47

Right: 0.305+/-0.014 χ^2/NDF: 2516.4/53

In: 0.551+/-0.004 χ^2/NDF:1341.5/46

Out: 0.560+/-0.004 χ^2/NDF:2722.9/54

All: 0.556+/-0.003 χ^2/NDF: 4067.5/101



Right In: -22.283+/-0.632 χ^2/NDF: 300.2/23

Left Out: -36.724+/-0.310 χ^2/NDF:420.8/24

Right Out: -23.444+/-0.616 χ^2/NDF: 656.8/29

Left In: -35.706+/-0.323 χ^2/NDF:578.6/22

Left: -36.236+/-0.224 χ^2/NDF: 1004.6/47

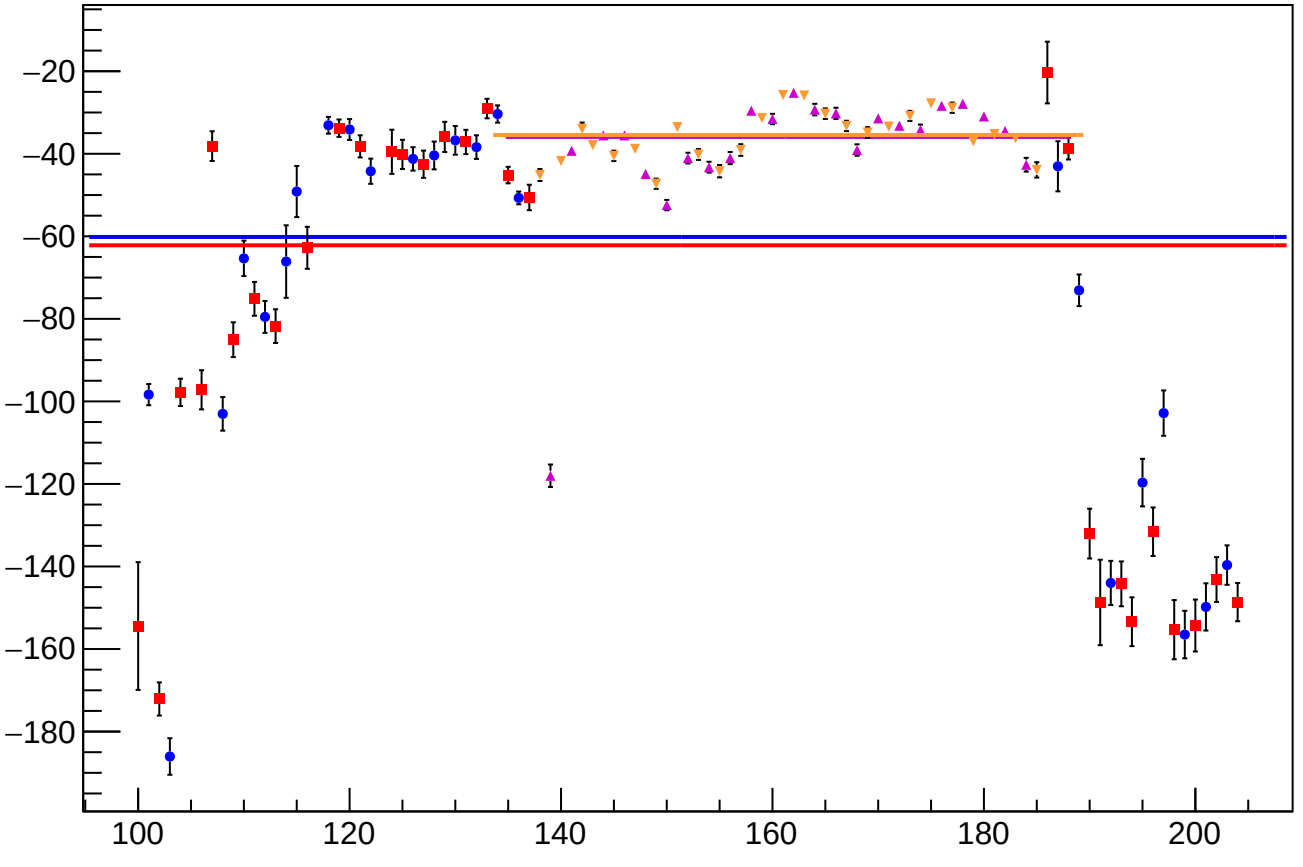
Right: -22.879+/-0.441 χ^2/NDF: 958.7/53

In: -32.926+/-0.288 χ^2/NDF:1236.1/46

Out: -34.037+/-0.277 χ^2/NDF:1448.5/54

All: -33.502+/-0.200 χ^2/NDF: 2692.4/101

reg_asym_sam_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -60.160+/-0.660 χ^2/NDF: 3136.2/23

Left Out: -35.442+/-0.245 χ^2/NDF:537.8/24

Right Out: -62.176+/-0.674 χ^2/NDF: 3694.3/29

Left In: -35.913+/-0.256 χ^2/NDF:1543.1/22

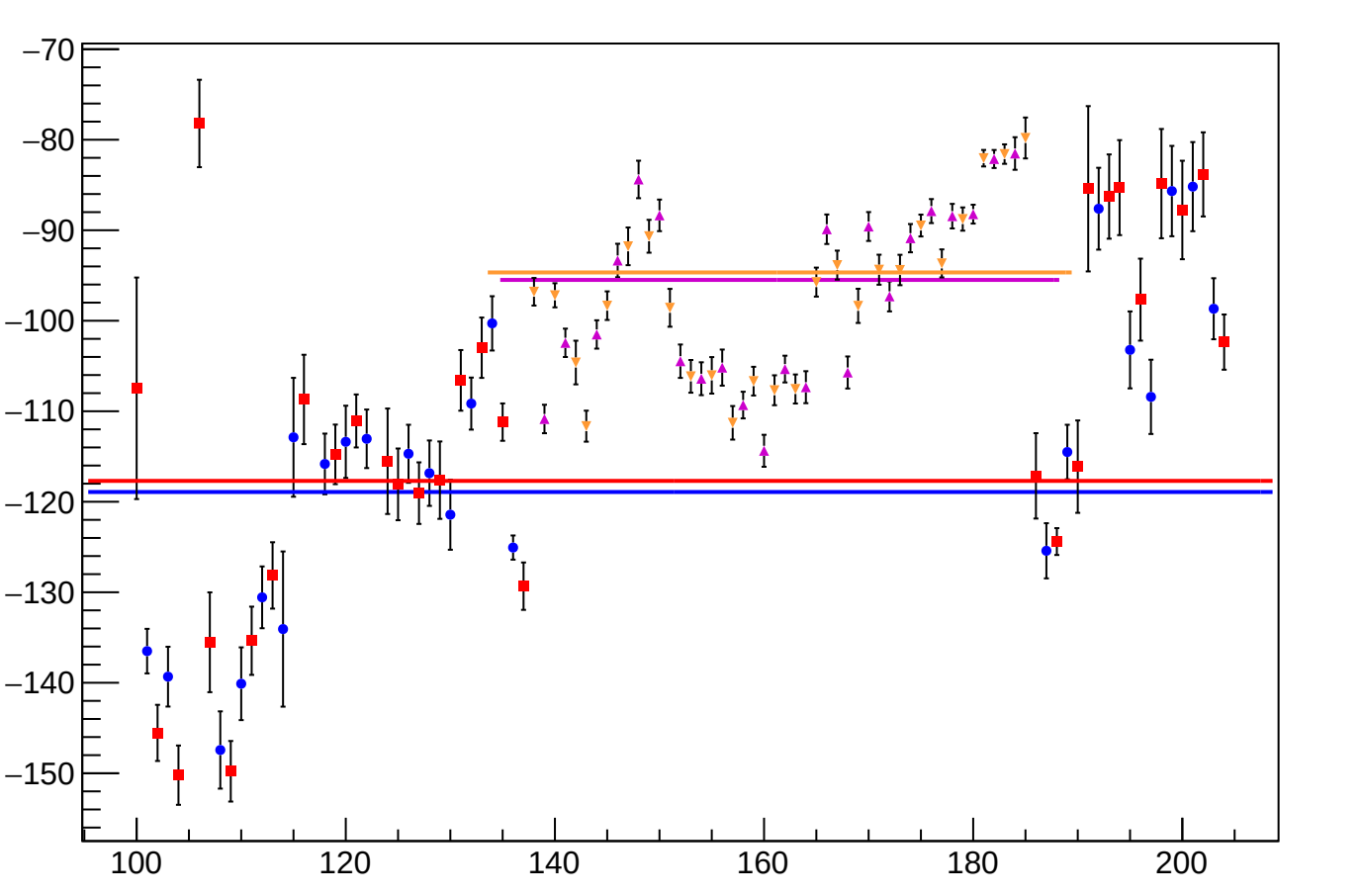
Left: -35.667+/-0.177 χ^2/NDF: 2082.7/47

Right: -61.148+/-0.472 χ^2/NDF: 6835.1/53

In: -39.083+/-0.239 χ^2/NDF:5850.9/46

Out: -38.562+/-0.230 χ^2/NDF:5622.8/54

All: -38.813+/-0.166 χ^2/NDF: 11476.2/101



Right In: -118.922+/-0.655 χ^2/NDF: 459.1/23

Left Out: -94.663+/-0.310 χ^2/NDF:900.1/24

Right Out: -117.695+/-0.638 χ^2/NDF: 723.3/29

Left In: -95.489+/-0.321 χ^2/NDF:970.1/22

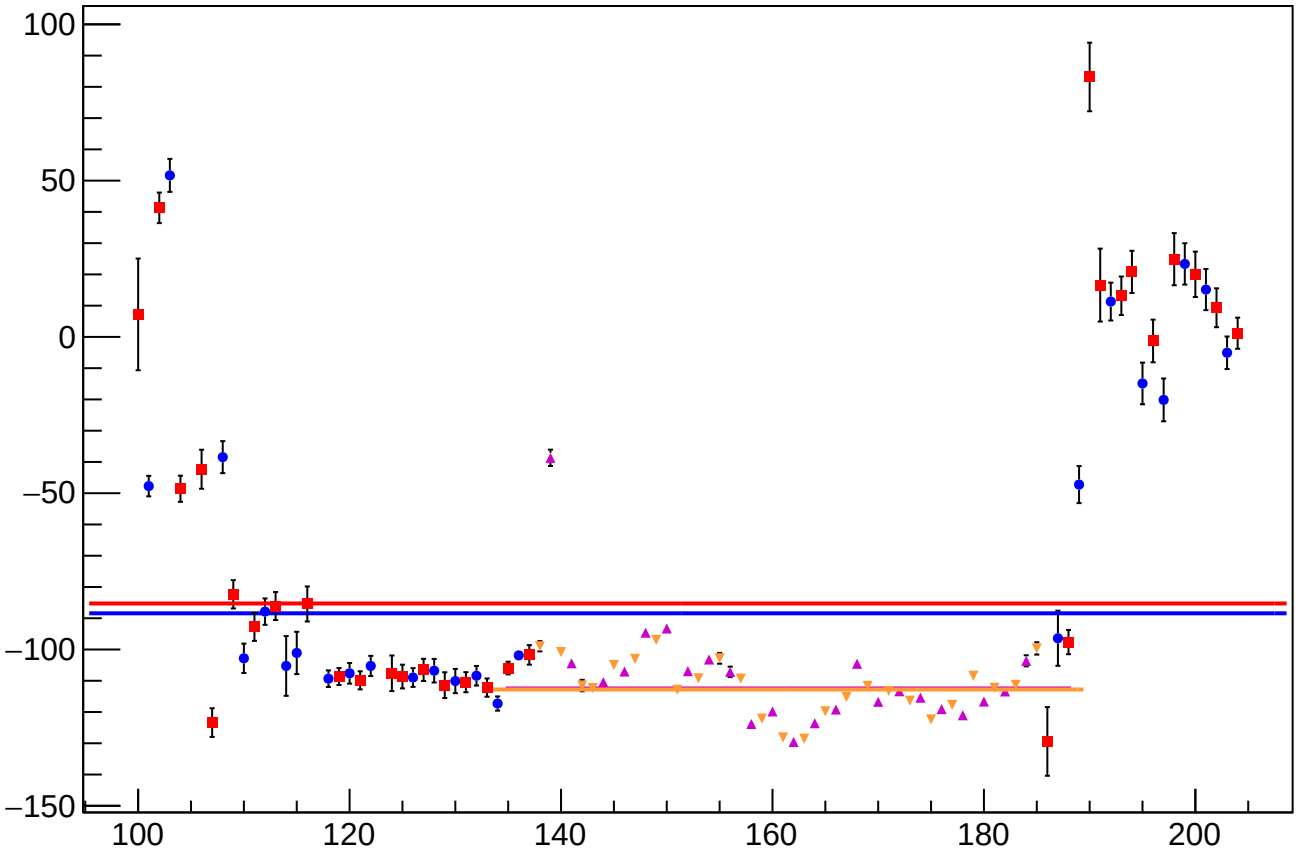
Left: -95.061+/-0.223 χ^2/NDF: 1873.6/47

Right: -118.292+/-0.457 χ^2/NDF: 1184.3/53

In: -100.028+/-0.288 χ^2/NDF:2460.2/46

Out: -99.054+/-0.279 χ^2/NDF:2677.0/54

All: -99.524+/-0.200 χ^2/NDF: 5143.1/101



Right In: -88.420+/-0.748 χ^2/NDF: 2803.6/23

Left Out: -112.794+/-0.274 χ^2/NDF:936.4/24

Right Out: -85.272+/-0.774 χ^2/NDF: 3358.3/29

Left In: -112.465+/-0.285 χ^2/NDF:1788.6/22

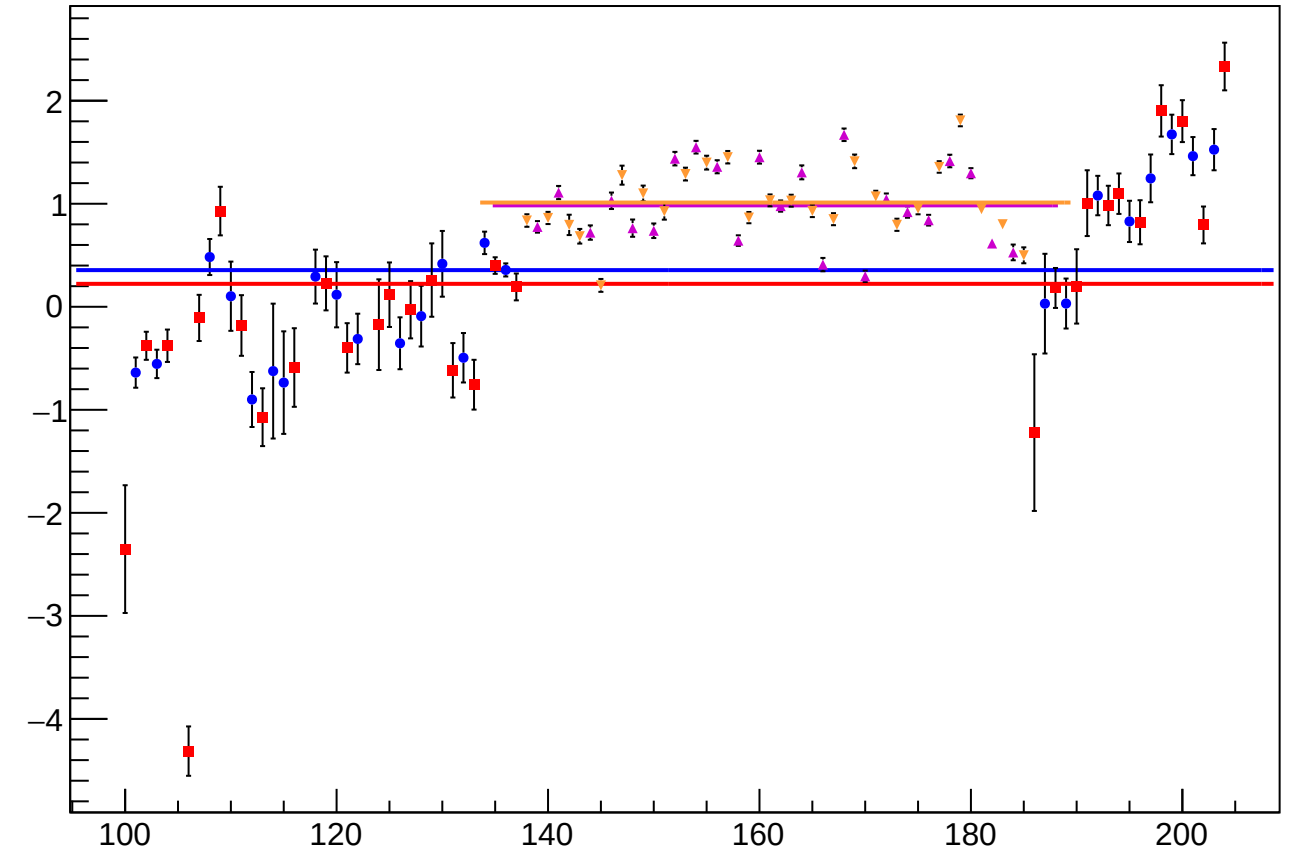
Left: -112.636+/-0.197 χ^2/NDF: 2725.7/47

Right: -86.900+/-0.538 χ^2/NDF: 6170.5/53

In: -109.423+/-0.266 χ^2/NDF:5493.9/46

Out: -109.731+/-0.258 χ^2/NDF:5417.3/54

All: -109.581+/-0.185 χ^2/NDF: 10911.9/101



Right In: 0.356+/-0.036 χ^2/NDF: 310.7/23

Left Out: 1.012+/-0.012 χ^2/NDF:691.2/24

Right Out: 0.223+/-0.038 χ^2/NDF: 740.6/29

Left In: 0.984+/-0.013 χ^2/NDF:900.0/22

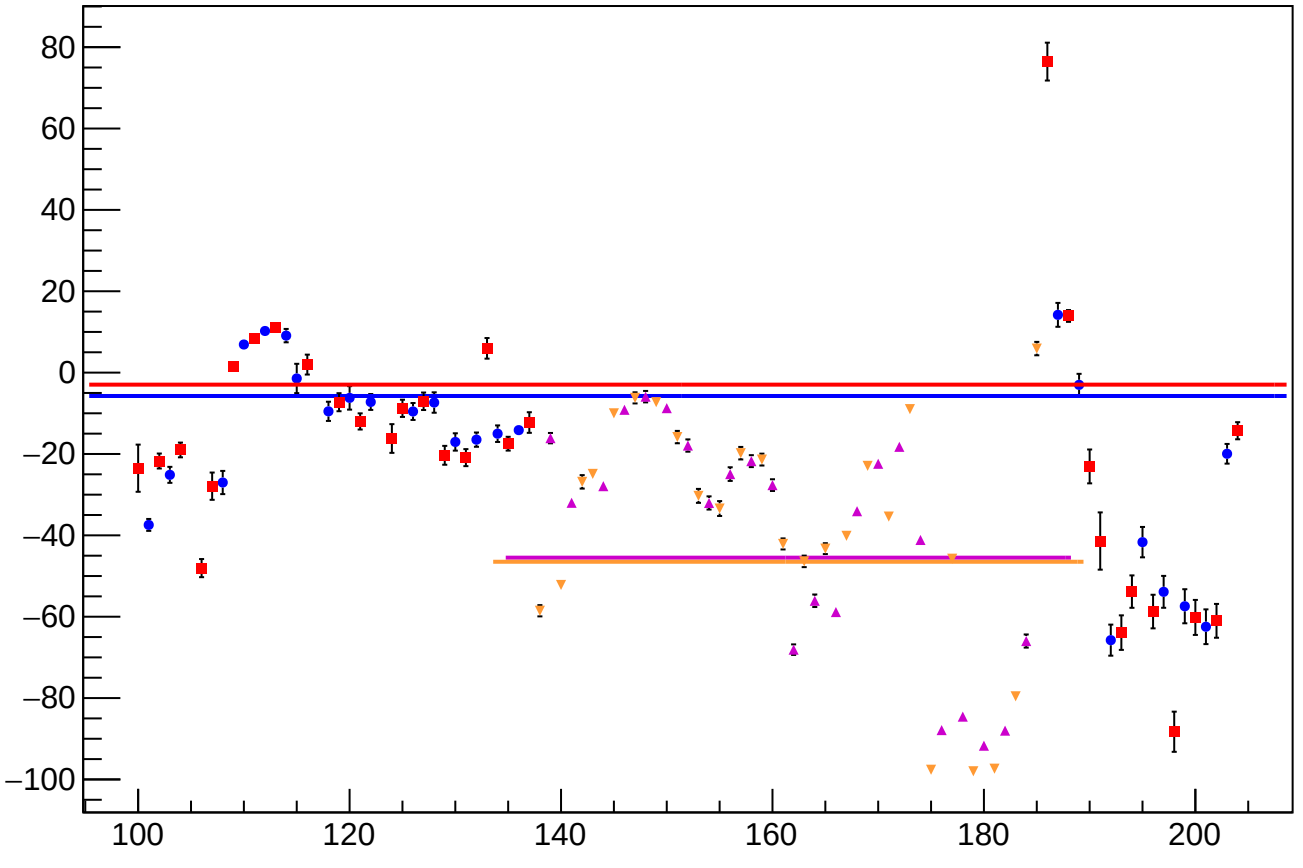
Left: 0.998+/-0.009 χ^2/NDF: 1593.6/47

Right: 0.292+/-0.026 χ^2/NDF: 1057.8/53

In: 0.917+/-0.012 χ^2/NDF:1479.4/46

Out: 0.936+/-0.012 χ^2/NDF:1830.1/54

All: 0.927+/-0.008 χ^2/NDF: 3310.8/101



Right In: -5.745+/-0.358 χ^2/NDF: 2464.6/23

Left Out: -46.493+/-0.230 χ^2/NDF:20046.7/24

Right Out: -2.956+/-0.318 χ^2/NDF: 3274.2/29

Left In: -45.487+/-0.238 χ^2/NDF:15571.1/22

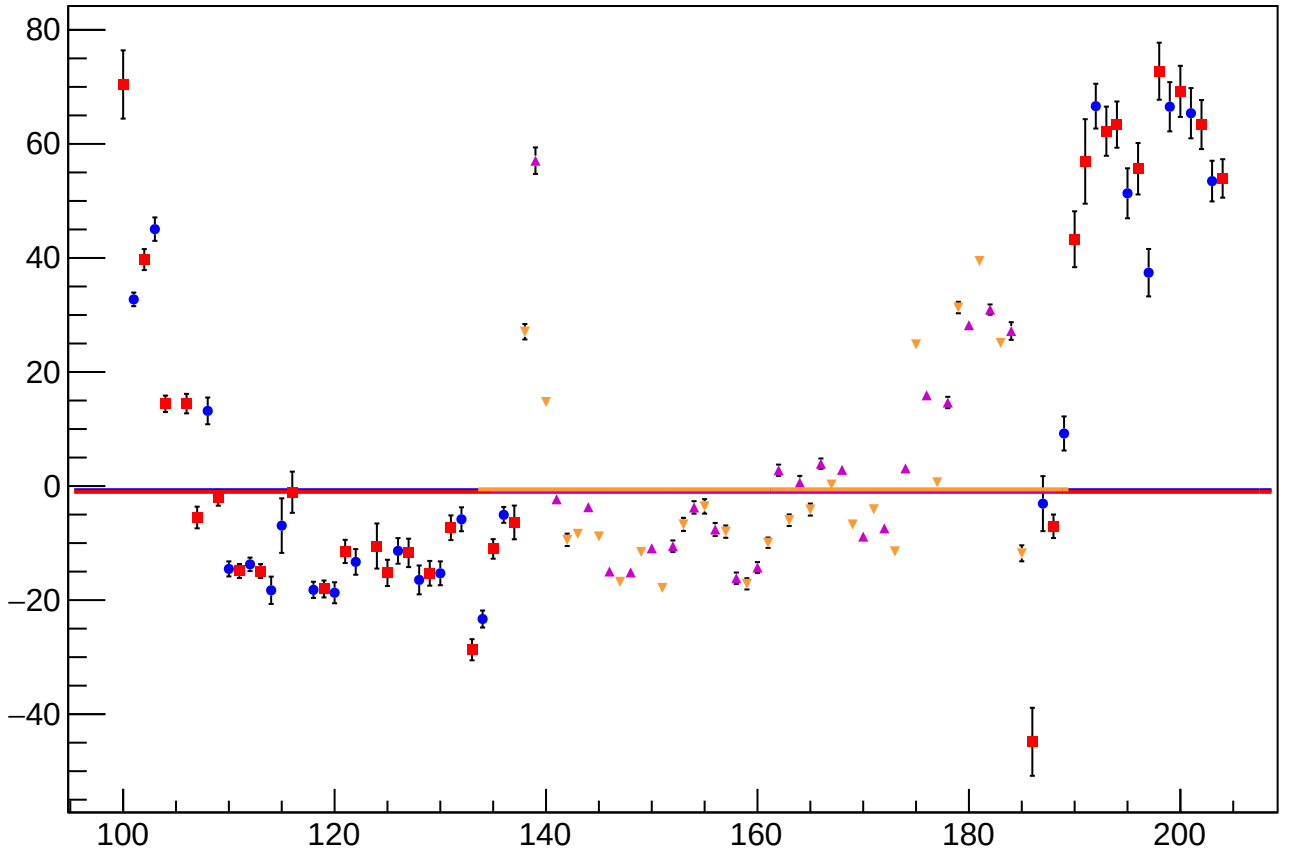
Left: -46.006+/-0.165 χ^2/NDF: 35627.0/47

Right: -4.185+/-0.238 χ^2/NDF: 5772.6/53

In: -33.348+/-0.198 χ^2/NDF:26575.0/46

Out: -31.535+/-0.186 χ^2/NDF:35622.3/54

All: -32.386+/-0.136 χ^2/NDF: 62241.7/101



Right In: -0.726+/-0.412 χ^2/NDF: 3463.8/23

Left Out: -0.572+/-0.177 χ^2/NDF:8451.5/24

Right Out: -1.016+/-0.397 χ^2/NDF: 3404.9/29

Left In: -0.828+/-0.183 χ^2/NDF:6116.6/22

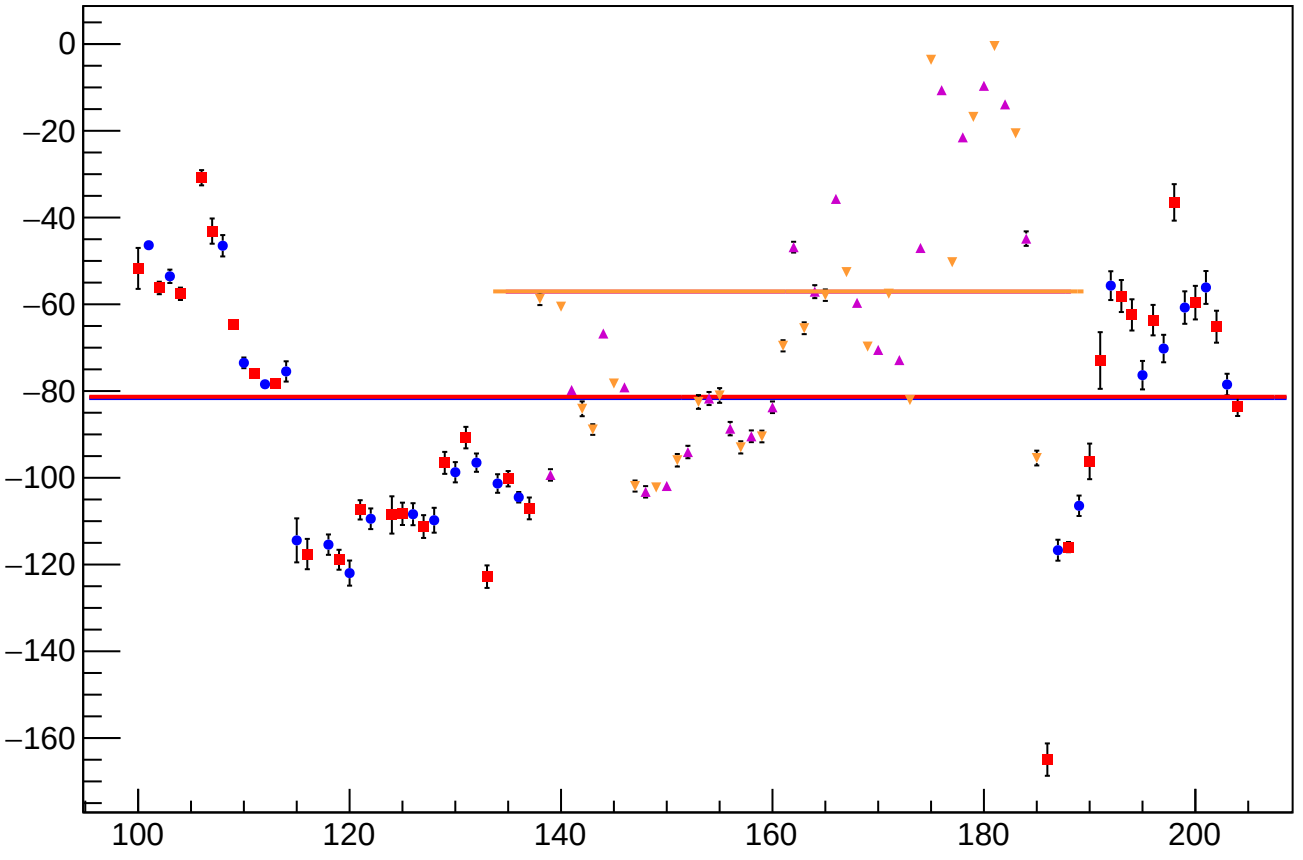
Left: -0.696+/-0.127 χ^2/NDF: 14569.0/47

Right: -0.876+/-0.286 χ^2/NDF: 6868.9/53

In: -0.811+/-0.167 χ^2/NDF:9580.4/46

Out: -0.646+/-0.162 χ^2/NDF:11857.4/54

All: -0.726+/-0.116 χ^2/NDF: 21438.3/101



Right In: -81.620+/-0.404 χ^2/NDF: 3348.6/23

Left Out: -57.029+/-0.230 χ^2/NDF:20309.3/24

Right Out: -81.320+/-0.371 χ^2/NDF: 4870.4/29

Left In: -57.091+/-0.237 χ^2/NDF:17167.8/22

Left: -57.059+/-0.165 χ^2/NDF: 37477.1/47

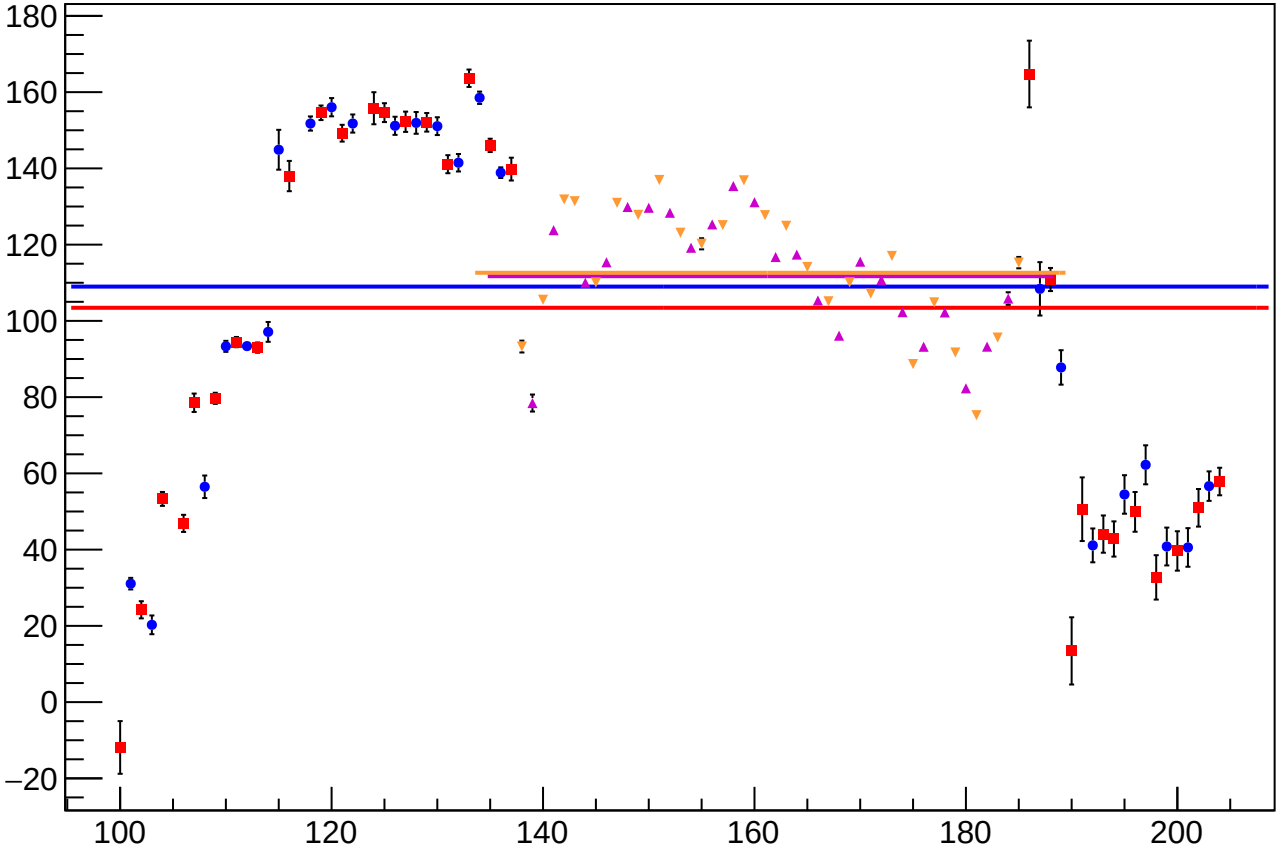
Right: -81.457+/-0.273 χ^2/NDF: 8219.2/53

In: -63.366+/-0.204 χ^2/NDF:23266.3/46

Out: -63.773+/-0.195 χ^2/NDF:28279.8/54

All: -63.578+/-0.141 χ^2/NDF: 51548.2/101

reg_asym_sam_48_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 108.995+/-0.470 χ^2/NDF: 9285.8/23

Left Out: 112.625+/-0.200 χ^2/NDF:6708.0/24

Right Out: 103.438+/-0.456 χ^2/NDF: 8813.8/29

Left In: 111.720+/-0.206 χ^2/NDF:4896.8/22

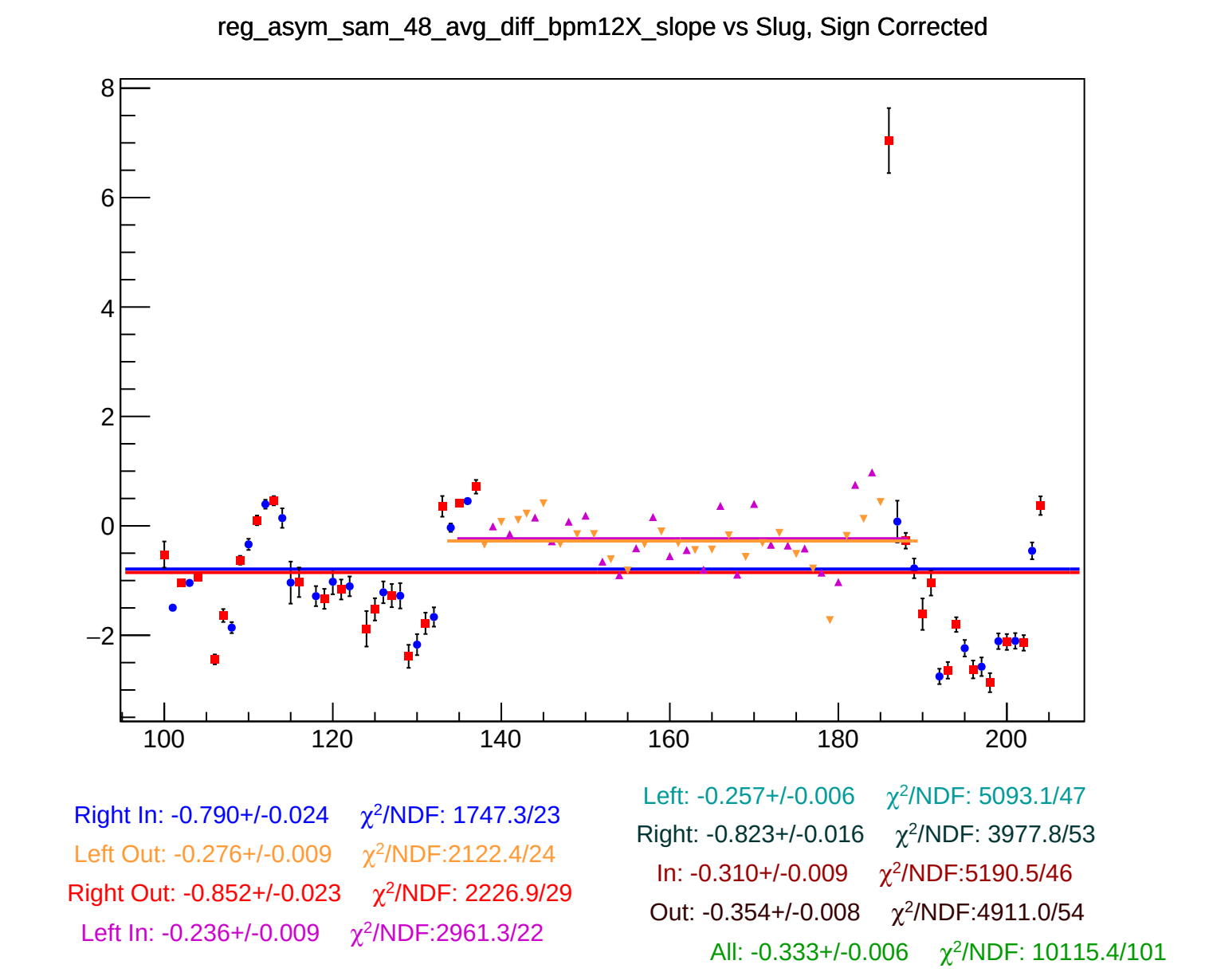
Left: 112.186+/-0.143 χ^2/NDF: 11614.7/47

Right: 106.132+/-0.327 χ^2/NDF: 18171.6/53

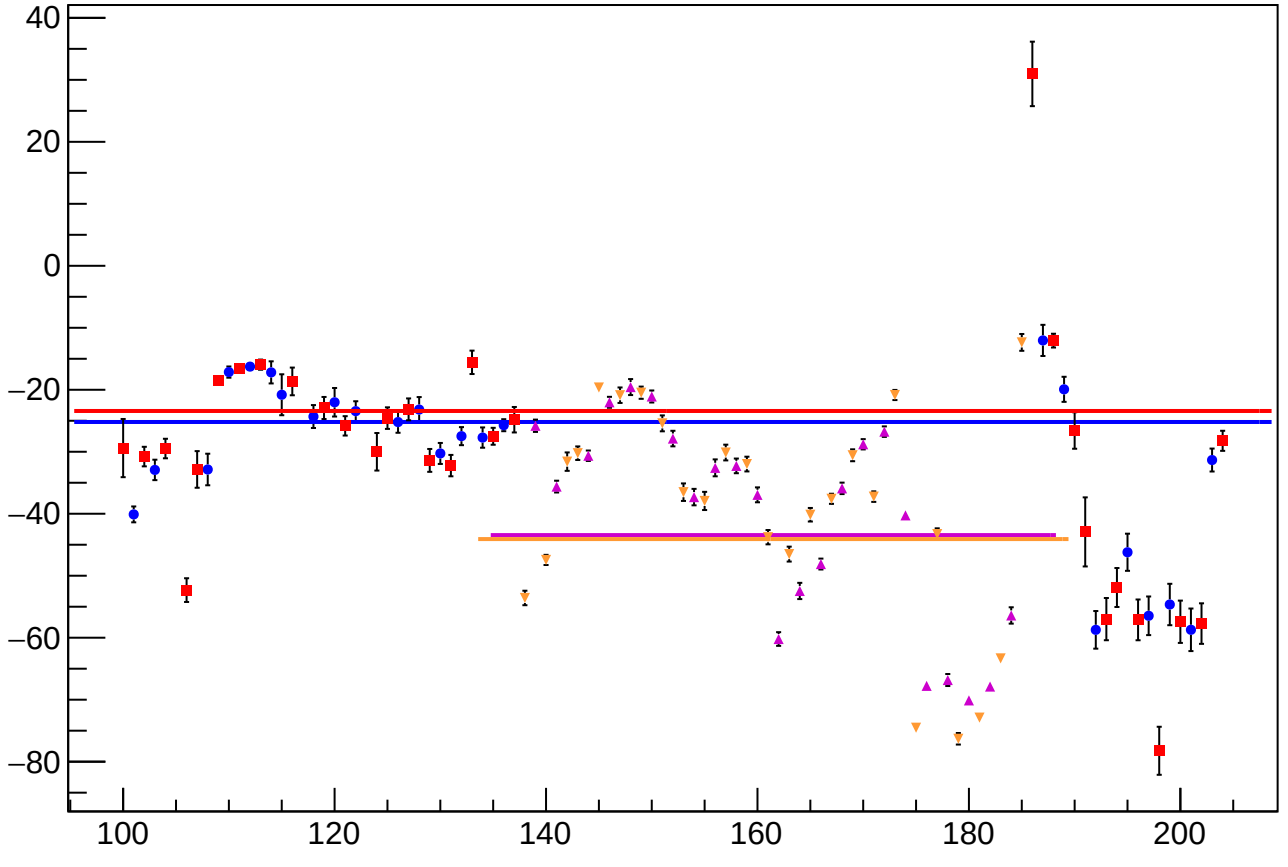
In: 111.281+/-0.189 χ^2/NDF:14210.8/46

Out: 111.143+/-0.183 χ^2/NDF:15862.3/54

All: 111.210+/-0.131 χ^2/NDF: 30073.4/101


reg_asym_sam_48_avg_diff_bpm12X_slope vs Slug, Sign Corrected
8
6
4
2
0
−2
100
120
140
160
180
200
Right In: -0.790+/-0.024 χ²/NDF: 1747.3/23
Left Out: -0.276+/-0.009 χ²/NDF:2122.4/24
Right Out: -0.852+/-0.023 χ²/NDF: 2226.9/29
Left In: -0.236+/-0.009 χ²/NDF:2961.3/22
Left: -0.257+/-0.006 χ²/NDF: 5093.1/47
Right: -0.823+/-0.016 χ²/NDF: 3977.8/53
In: -0.310+/-0.009 χ²/NDF:5190.5/46
Out: -0.354+/-0.008 χ²/NDF:4911.0/54
All: -0.333+/-0.006 χ²/NDF: 10115.4/101

reg_asym_sam_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -25.197+/-0.326 χ^2/NDF: 917.6/23

Left Out: -44.087+/-0.193 χ^2/NDF:10340.4/24

Right Out: -23.421+/-0.294 χ^2/NDF: 1492.2/29

Left In: -43.444+/-0.199 χ^2/NDF:7820.5/22

Left: -43.775+/-0.138 χ^2/NDF: 18166.3/47

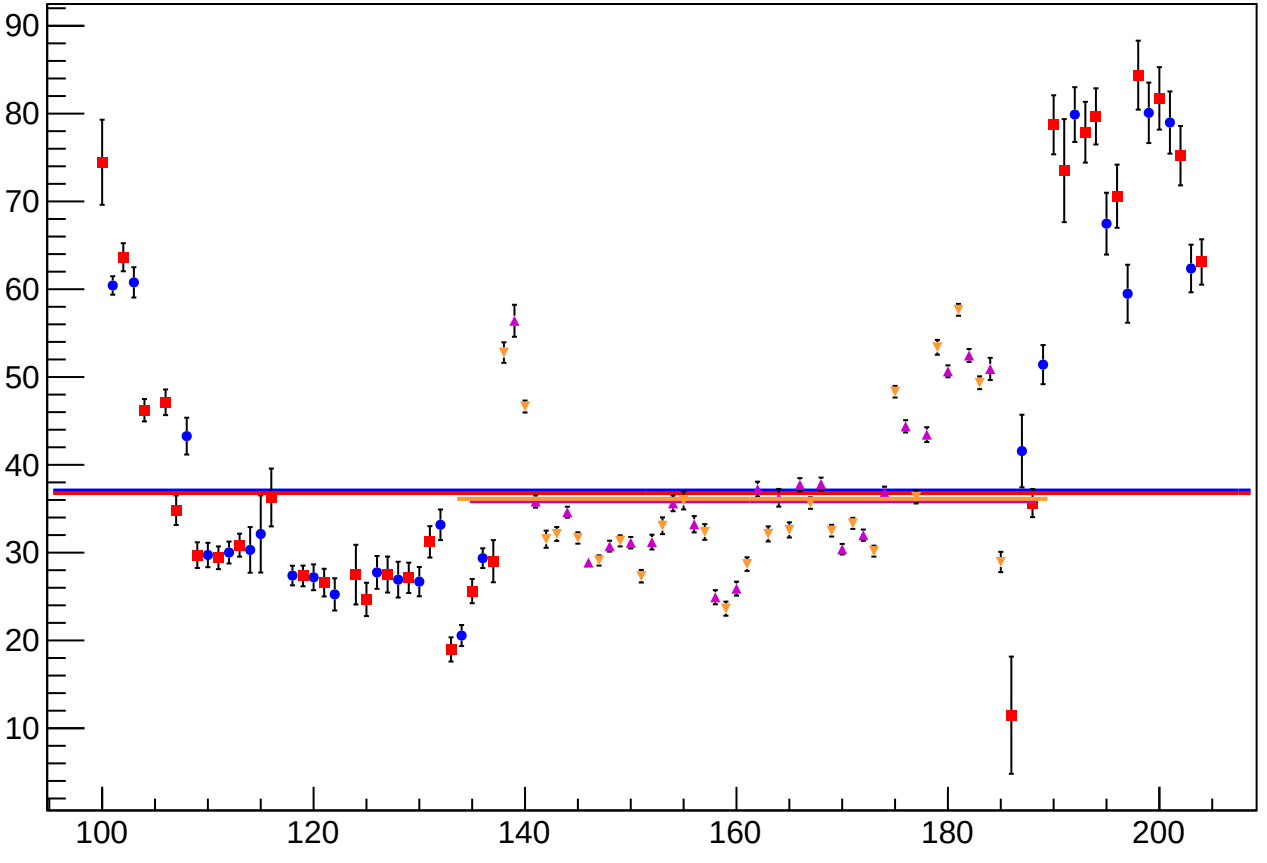
Right: -24.219+/-0.218 χ^2/NDF: 2426.2/53

In: -38.491+/-0.170 χ^2/NDF:11027.0/46

Out: -37.866+/-0.161 χ^2/NDF:15283.2/54

All: -38.163+/-0.117 χ^2/NDF: 26317.3/101

reg_asym_sam_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 37.072+/-0.355 χ^2/NDF: 1989.8/23

Left Out: 36.123+/-0.150 χ^2/NDF:3558.5/24

Right Out: 36.791+/-0.346 χ^2/NDF: 2141.9/29

Left In: 35.852+/-0.155 χ^2/NDF:2293.5/22

Left: 35.992+/-0.108 χ^2/NDF: 5853.6/47

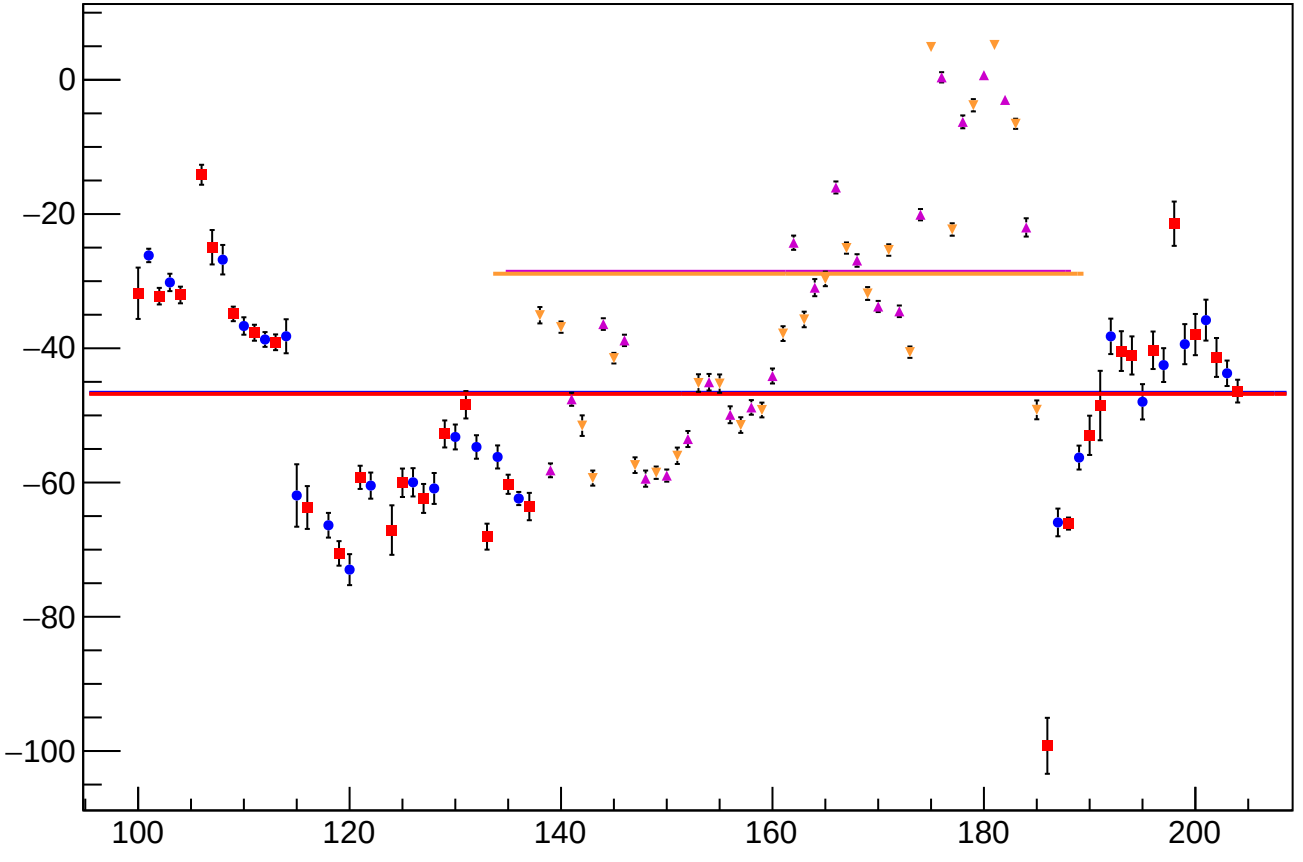
Right: 36.928+/-0.248 χ^2/NDF: 4132.0/53

In: 36.047+/-0.142 χ^2/NDF:4293.2/46

Out: 36.229+/-0.138 χ^2/NDF:5703.6/54

All: 36.141+/-0.099 χ^2/NDF: 9997.6/101

reg_asym_sam_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -46.633+/-0.352 χ^2/NDF: 1641.8/23

Left Out: -28.891+/-0.193 χ^2/NDF:11798.4/24

Right Out: -46.789+/-0.325 χ^2/NDF: 2438.0/29

Left In: -28.605+/-0.198 χ^2/NDF:10014.7/22

Left: -28.751+/-0.138 χ^2/NDF: 21814.2/47

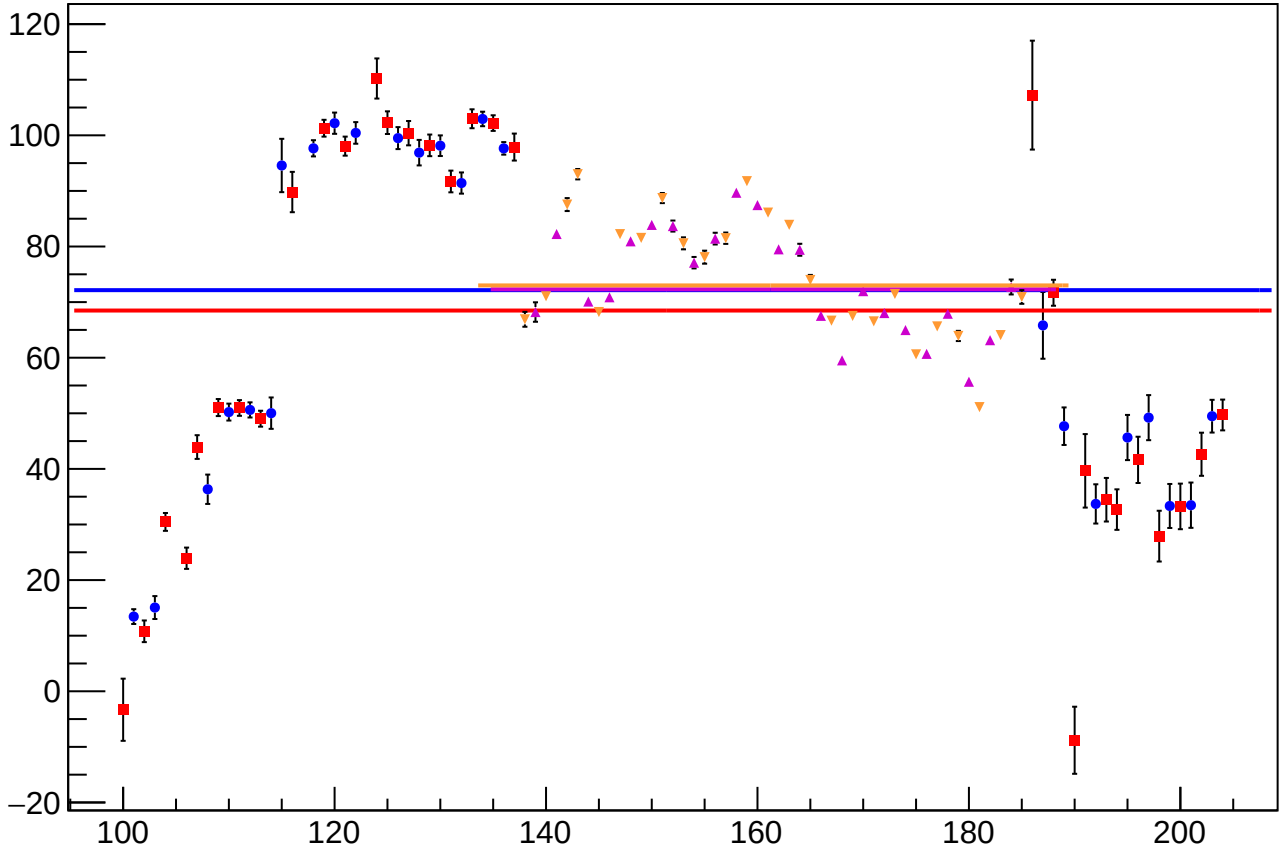
Right: -46.717+/-0.239 χ^2/NDF: 4080.0/53

In: -32.931+/-0.172 χ^2/NDF:13650.8/46

Out: -33.548+/-0.166 χ^2/NDF:16479.6/54

All: -33.252+/-0.120 χ^2/NDF: 30137.0/101

reg_asym_sam_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 72.151+/-0.407 χ^2/NDF: 6366.5/23

Left Out: 73.002+/-0.168 χ^2/NDF:4052.4/24

Right Out: 68.485+/-0.399 χ^2/NDF: 6334.9/29

Left In: 72.302+/-0.173 χ^2/NDF:2912.6/22

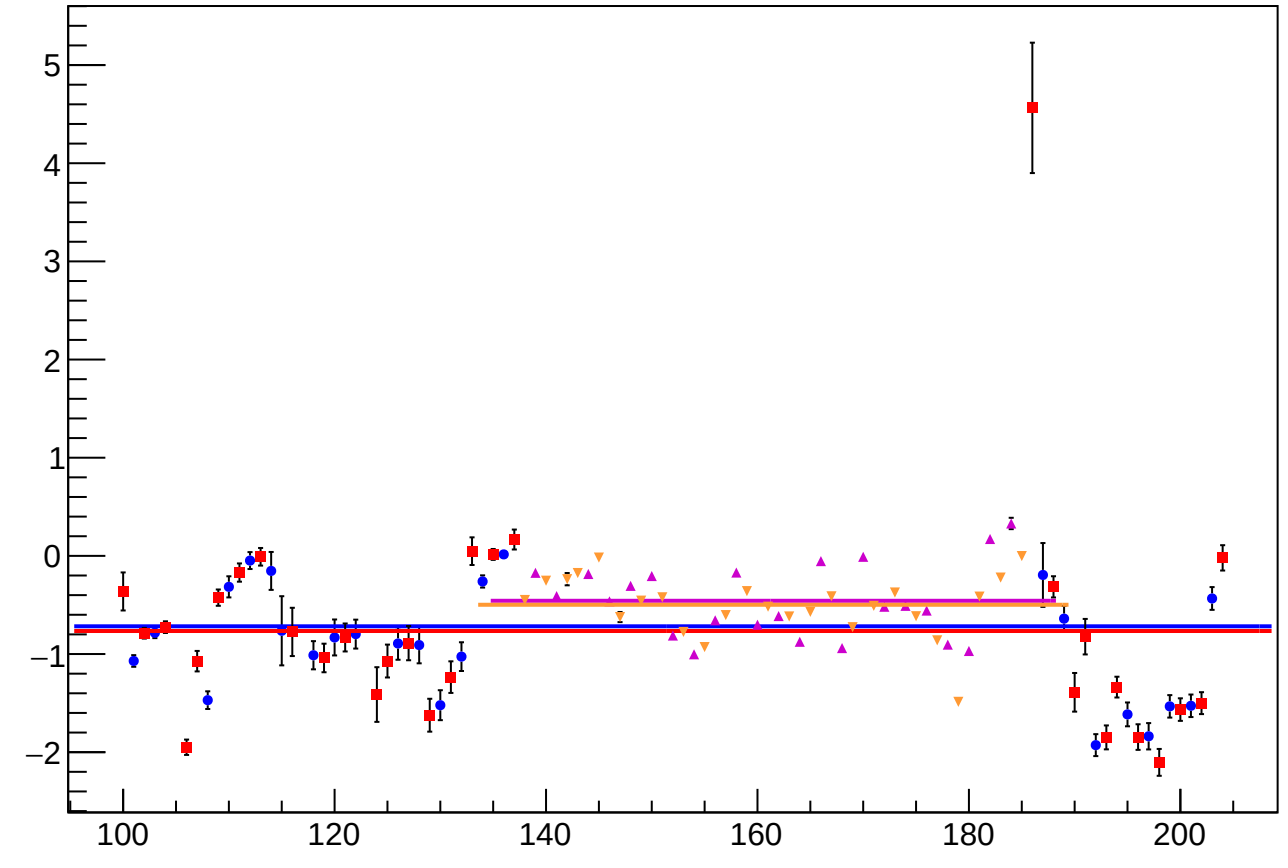
Left: 72.662+/-0.121 χ^2/NDF: 6973.3/47

Right: 70.283+/-0.285 χ^2/NDF: 12742.7/53

In: 72.279+/-0.160 χ^2/NDF:9279.2/46

Out: 72.320+/-0.155 χ^2/NDF:10495.8/54

All: 72.300+/-0.111 χ^2/NDF: 19775.0/101



Right In: -0.718+/-0.020 χ^2/NDF: 892.5/23

Left Out: -0.498+/-0.008 χ^2/NDF:1482.9/24

Right Out: -0.765+/-0.019 χ^2/NDF: 1224.2/29

Left In: -0.458+/-0.008 χ^2/NDF:2103.1/22

Left: -0.478+/-0.005 χ^2/NDF: 3600.2/47

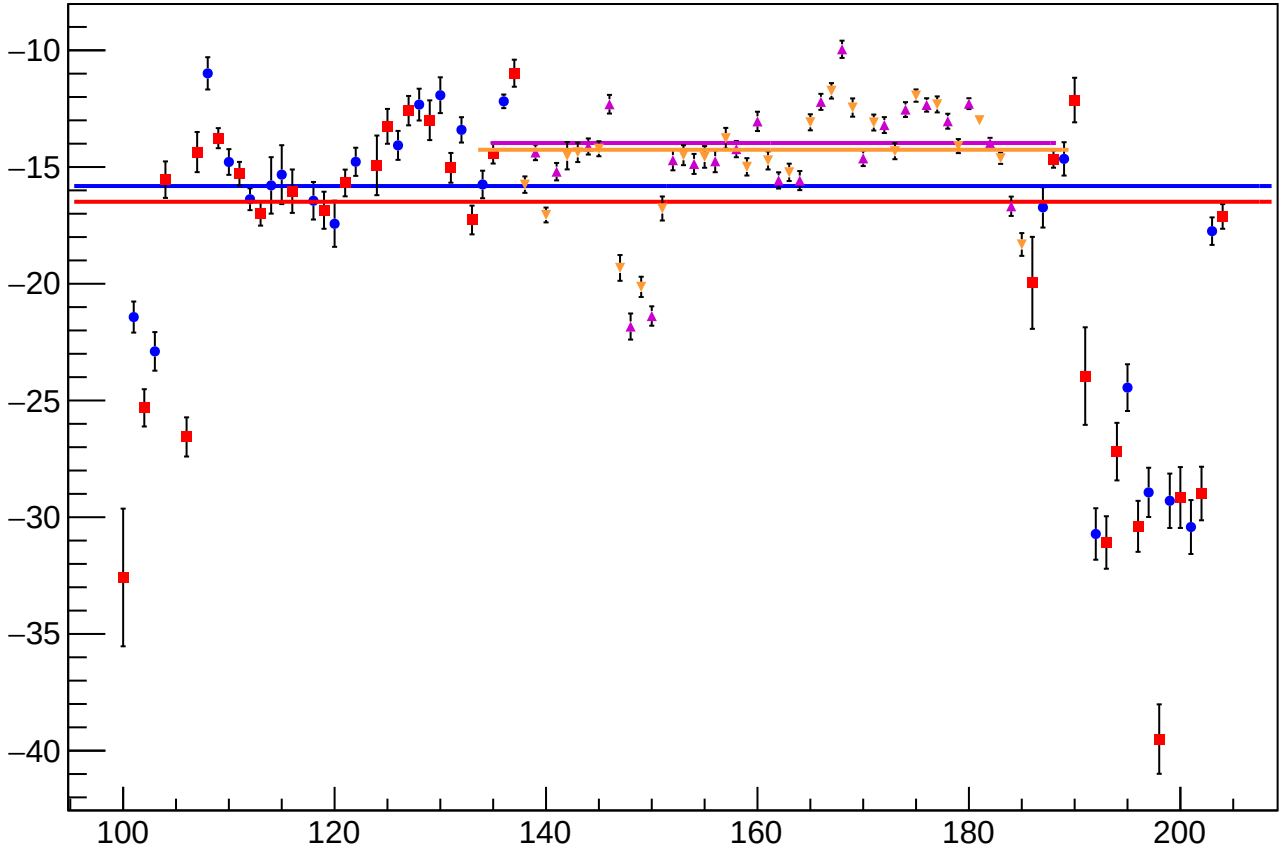
Right: -0.742+/-0.014 χ^2/NDF: 2119.7/53

In: -0.491+/-0.007 χ^2/NDF:3144.1/46

Out: -0.533+/-0.007 χ^2/NDF:2872.3/54

All: -0.513+/-0.005 χ^2/NDF: 6034.0/101

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -15.814+/-0.135 χ^2/NDF: 1158.7/23

Left Out: -14.261+/-0.070 χ^2/NDF:724.0/24

Right Out: -16.488+/-0.128 χ^2/NDF: 1469.1/29

Left In: -13.970+/-0.072 χ^2/NDF:907.7/22

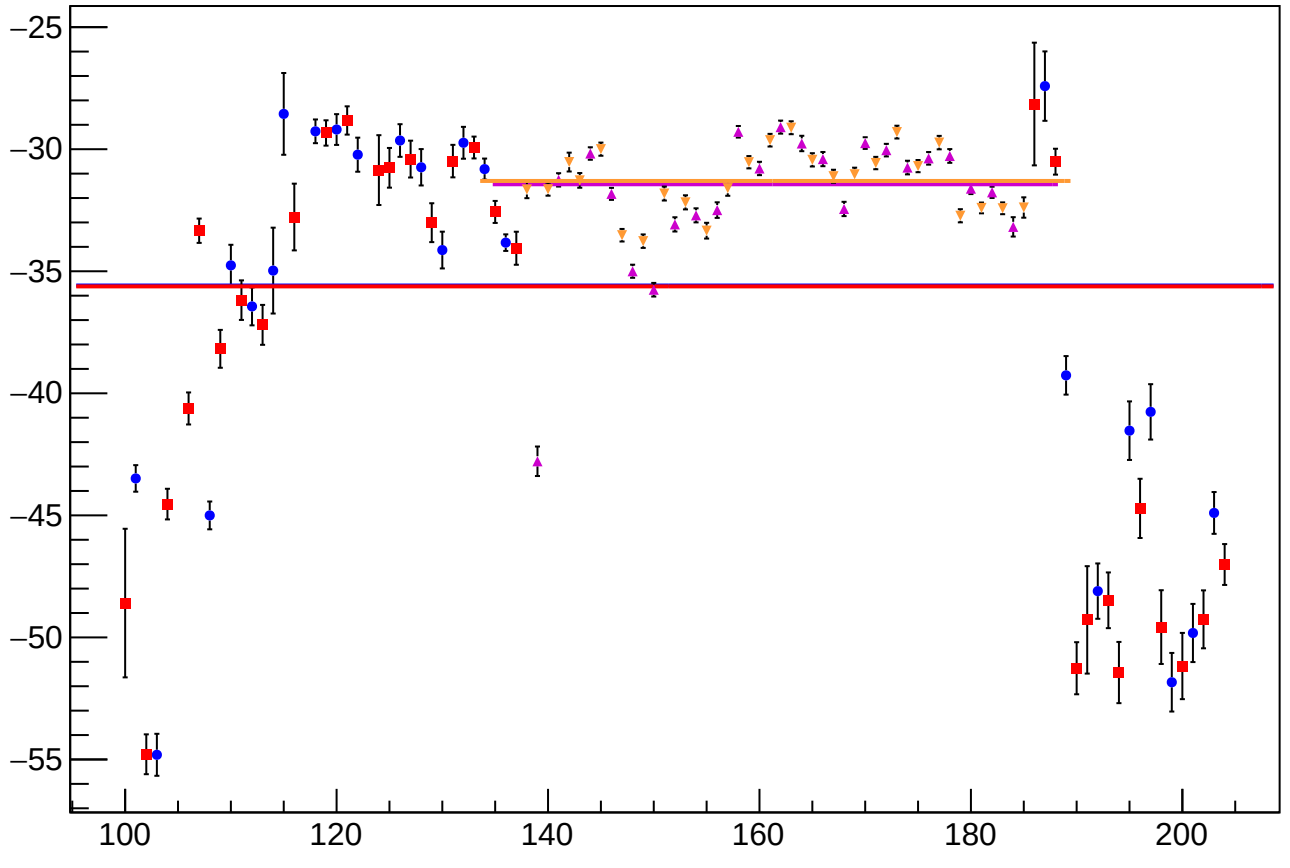
Left: -14.120+/-0.050 χ^2/NDF: 1640.2/47

Right: -16.168+/-0.093 χ^2/NDF: 2641.0/53

In: -14.379+/-0.063 χ^2/NDF:2212.4/46

Out: -14.770+/-0.061 χ^2/NDF:2426.9/54

All: -14.582+/-0.044 χ^2/NDF: 4658.9/101



Right In: -35.584+/-0.142 χ^2/NDF: 2355.0/23

Left Out: -31.301+/-0.055 χ^2/NDF:553.1/24

Right Out: -35.620+/-0.139 χ^2/NDF: 2762.9/29

Left In: -31.436+/-0.057 χ^2/NDF:1214.8/22

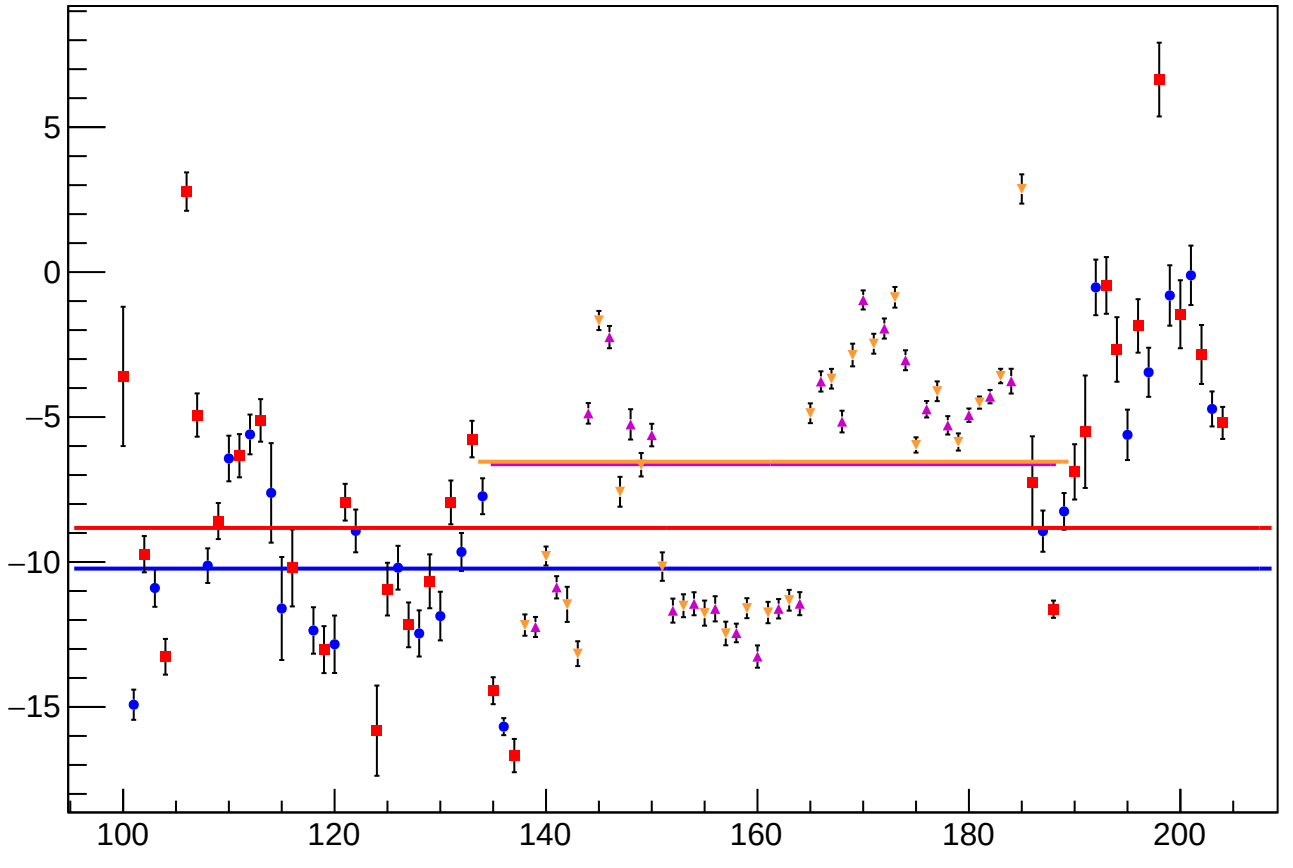
Left: -31.366+/-0.040 χ^2/NDF: 1770.8/47

Right: -35.602+/-0.099 χ^2/NDF: 5117.9/53

In: -32.018+/-0.053 χ^2/NDF:4304.7/46

Out: -31.893+/-0.051 χ^2/NDF:4154.7/54

All: -31.953+/-0.037 χ^2/NDF: 8462.2/101



Right In: -10.228+/-0.139 χ^2/NDF: 1015.2/23

Left Out: -6.540+/-0.070 χ^2/NDF:3242.5/24

Right Out: -8.825+/-0.131 χ^2/NDF: 1388.9/29

Left In: -6.625+/-0.071 χ^2/NDF:2908.0/22

Left: -6.581+/-0.050 χ^2/NDF: 6151.3/47

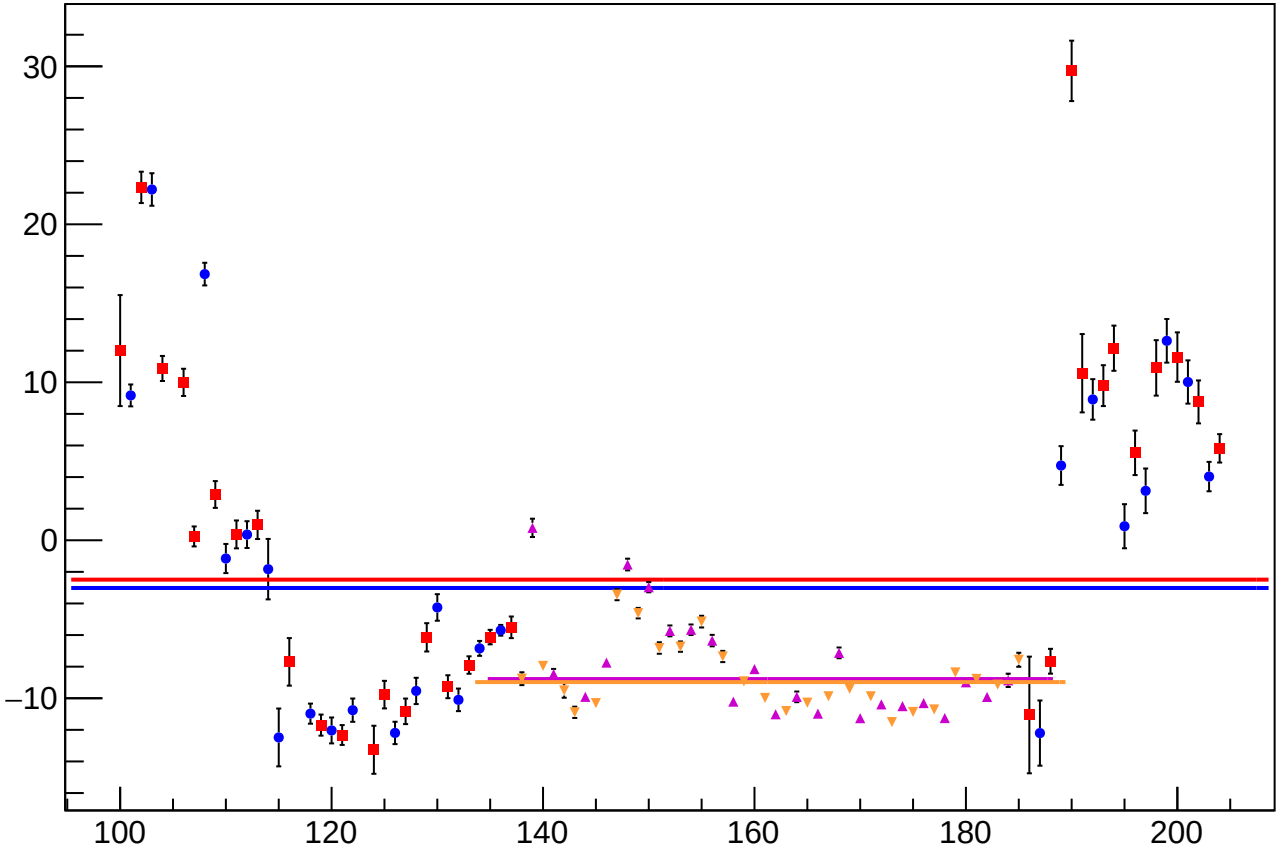
Right: -9.485+/-0.095 χ^2/NDF: 2458.2/53

In: -7.379+/-0.064 χ^2/NDF:4455.8/46

Out: -7.043+/-0.061 χ^2/NDF:4869.0/54

All: -7.205+/-0.044 χ^2/NDF: 9339.3/101

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -3.020+/-0.161 χ^2/NDF: 3018.9/23

Left Out: -8.977+/-0.061 χ^2/NDF:972.0/24

Right Out: -2.491+/-0.161 χ^2/NDF: 3059.2/29

Left In: -8.785+/-0.063 χ^2/NDF:1685.0/22

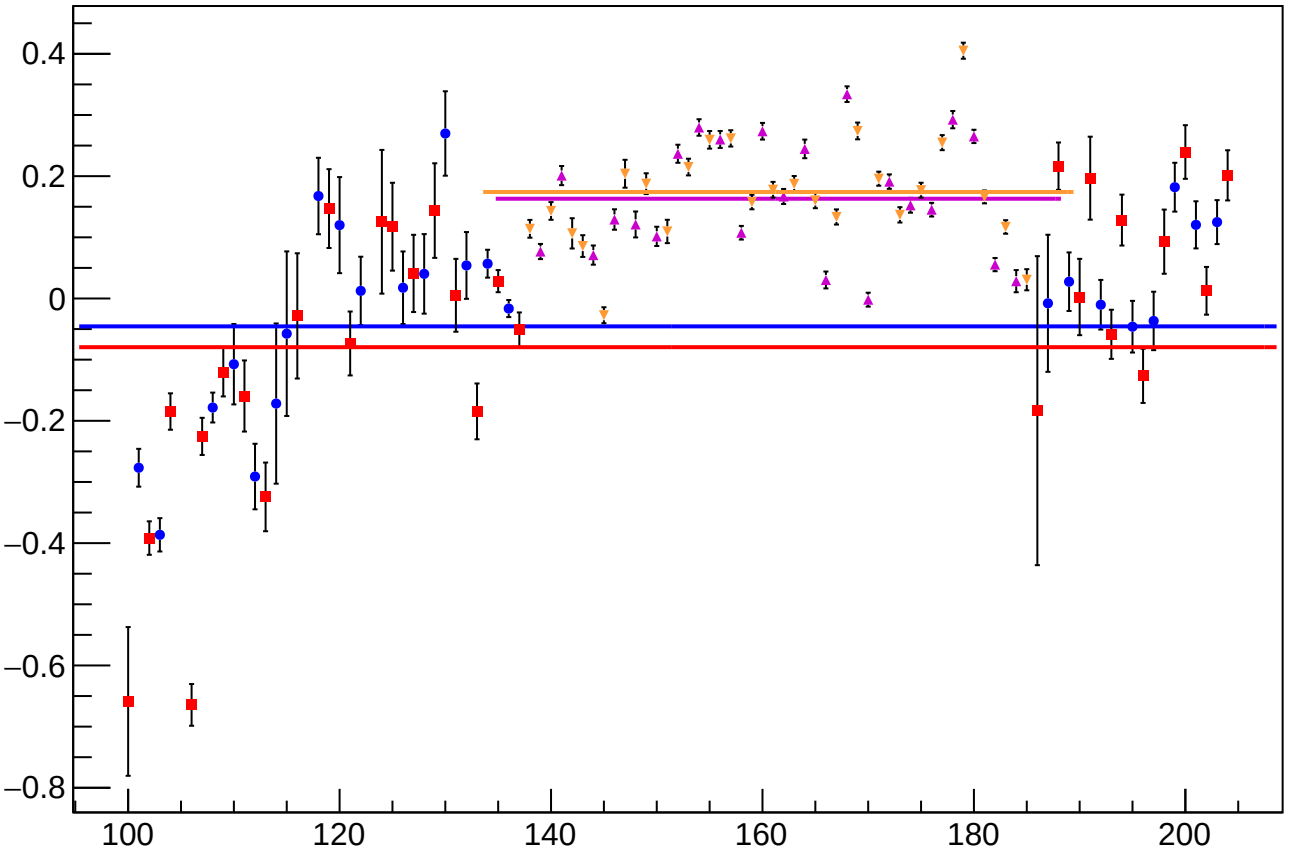
Left: -8.884+/-0.044 χ^2/NDF: 2661.8/47

Right: -2.756+/-0.114 χ^2/NDF: 6083.5/53

In: -8.011+/-0.059 χ^2/NDF:5813.5/46

Out: -8.154+/-0.057 χ^2/NDF:5445.2/54

All: -8.085+/-0.041 χ^2/NDF: 11261.8/101



Right In: -0.046+/-0.007 χ^2/NDF: 410.2/23

Left Out: 0.174+/-0.003 χ^2/NDF:922.9/24

Right Out: -0.080+/-0.008 χ^2/NDF: 802.8/29

Left In: 0.163+/-0.003 χ^2/NDF:1195.1/22

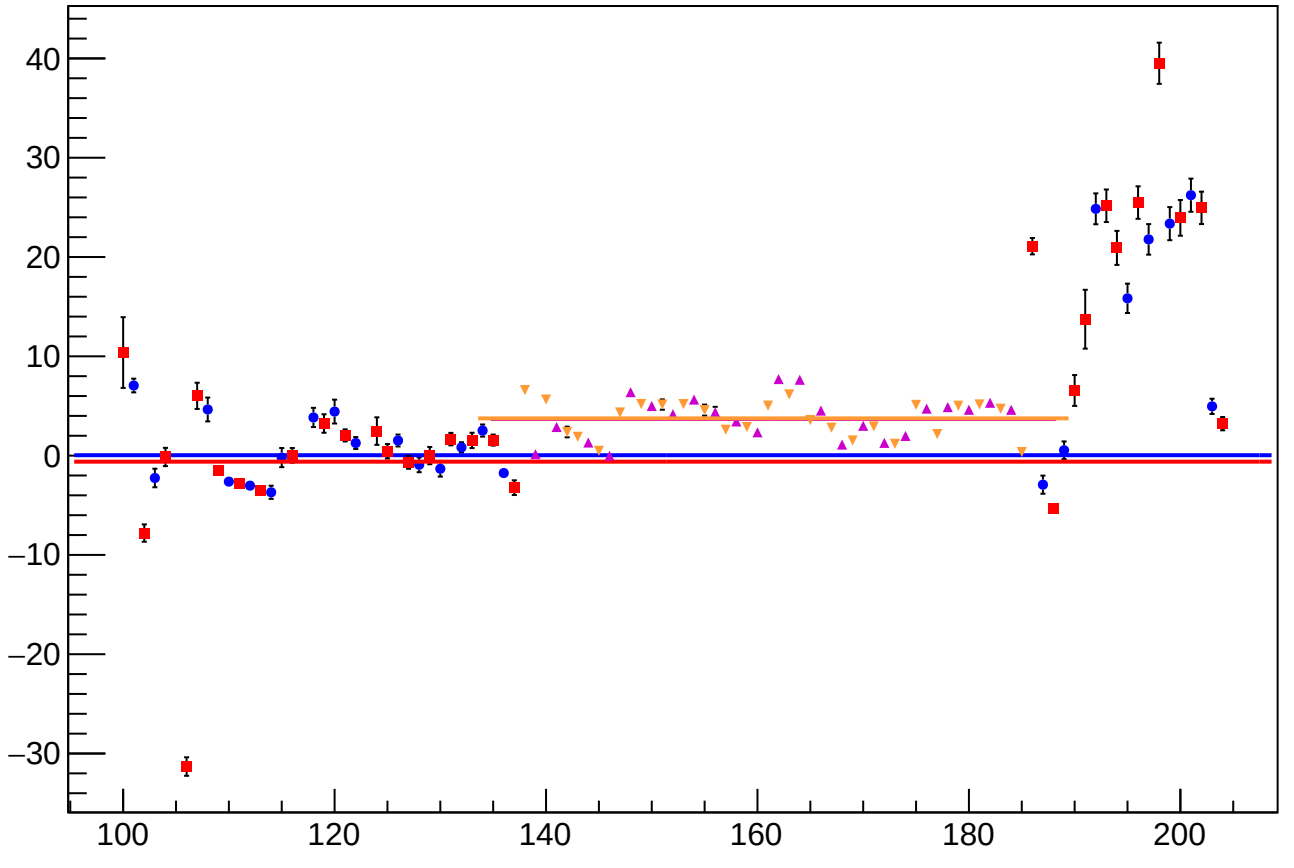
Left: 0.169+/-0.002 χ^2/NDF: 2126.1/47

Right: -0.062+/-0.005 χ^2/NDF: 1223.1/53

In: 0.138+/-0.003 χ^2/NDF:2287.6/46

Out: 0.146+/-0.003 χ^2/NDF:2705.2/54

All: 0.142+/-0.002 χ^2/NDF: 4997.2/101



Right In: 0.041+/-0.129 χ^2/NDF: 1488.9/23

Left Out: 3.750+/-0.062 χ^2/NDF:809.8/24

Right Out: -0.609+/-0.119 χ^2/NDF: 3760.7/29

Left In: 3.688+/-0.064 χ^2/NDF:953.3/22

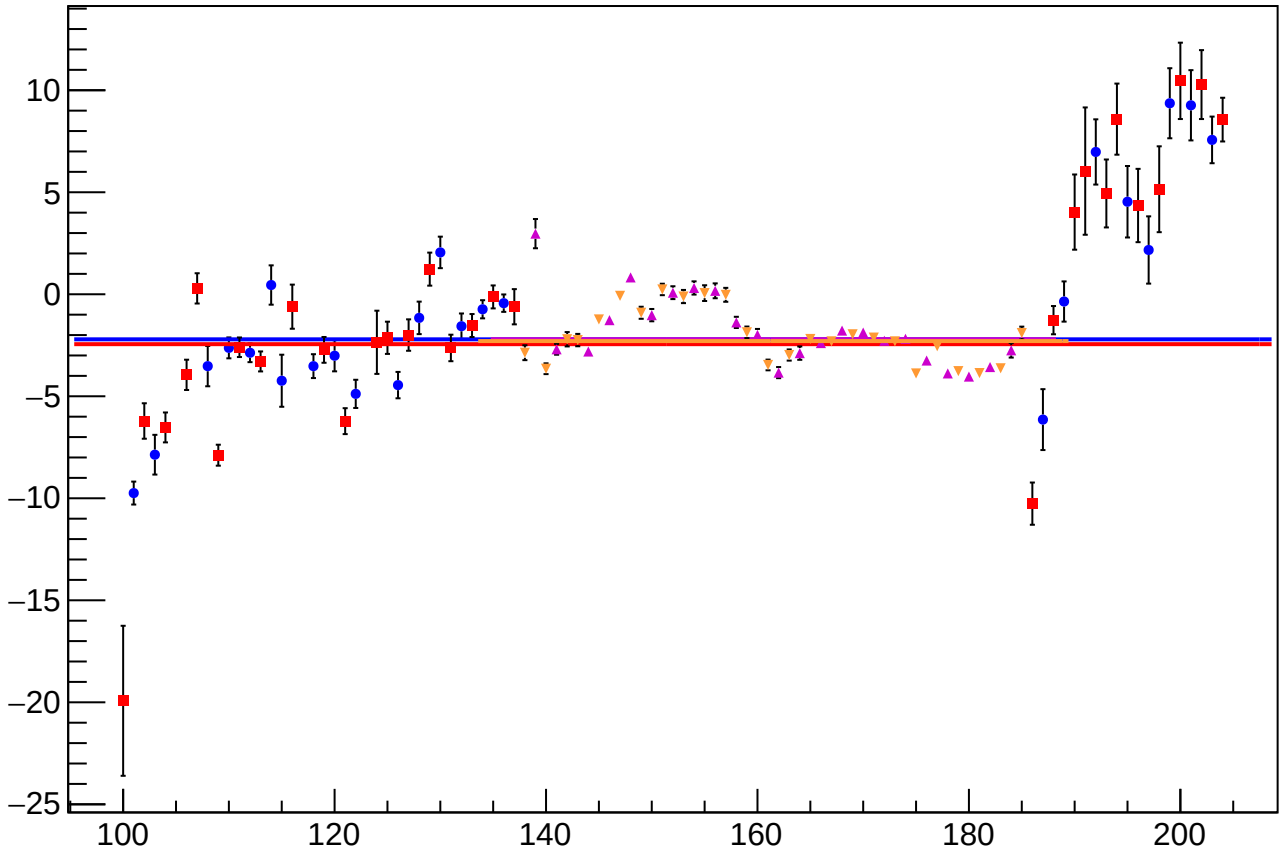
Left: 3.720+/-0.044 χ^2/NDF: 1763.6/47

Right: -0.312+/-0.087 χ^2/NDF: 5263.3/53

In: 2.973+/-0.057 χ^2/NDF:3081.1/46

Out: 2.815+/-0.055 χ^2/NDF:5631.5/54

All: 2.891+/-0.040 χ^2/NDF: 8716.6/101



Right In: -2.209+/-0.149 χ^2/NDF: 551.1/23

Left Out: -2.294+/-0.050 χ^2/NDF:631.5/24

Right Out: -2.446+/-0.147 χ^2/NDF: 665.5/29

Left In: -2.204+/-0.051 χ^2/NDF:724.7/22

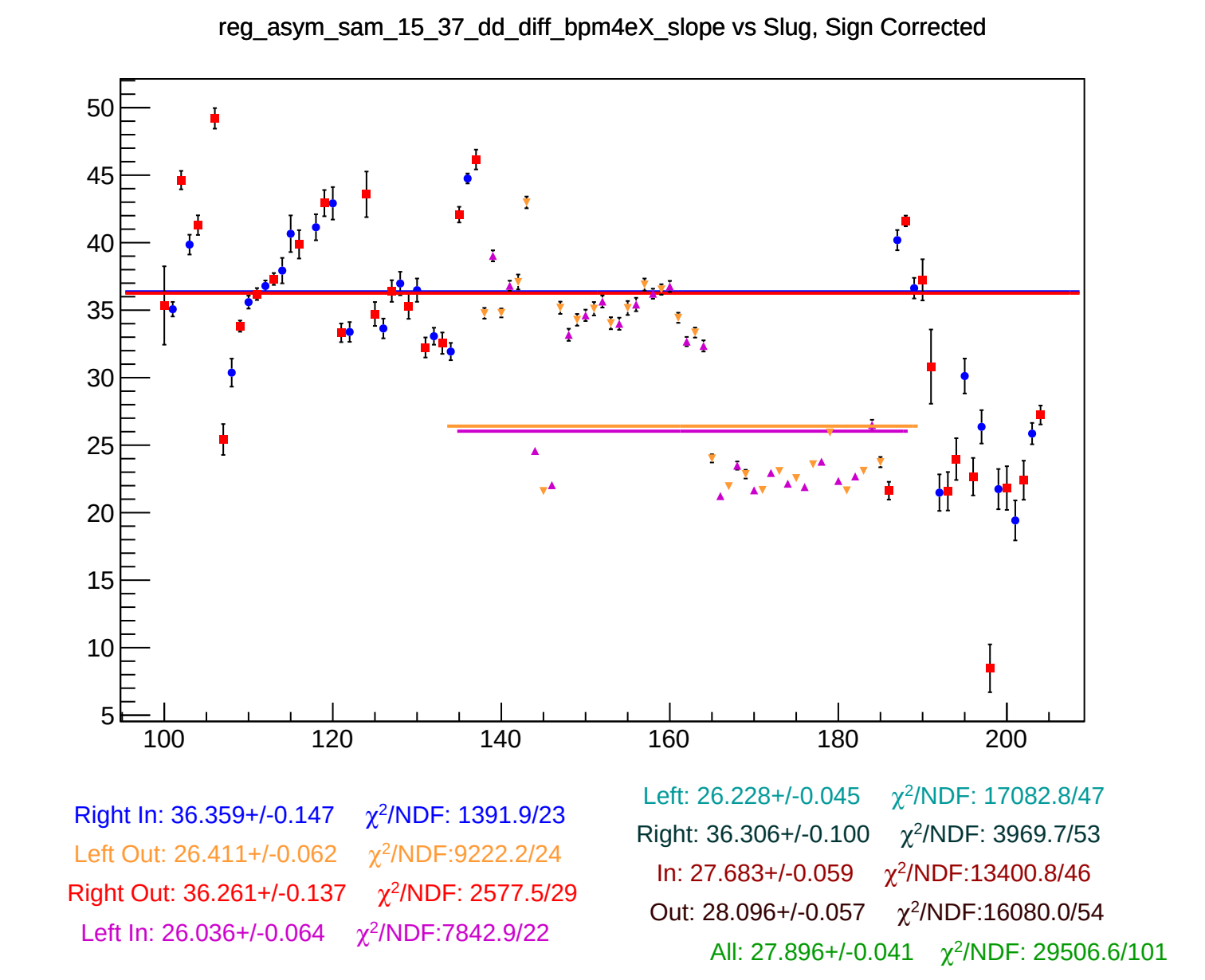
Left: -2.250+/-0.035 χ^2/NDF: 1357.8/47

Right: -2.329+/-0.105 χ^2/NDF: 1217.9/53

In: -2.205+/-0.048 χ^2/NDF:1275.8/46

Out: -2.310+/-0.047 χ^2/NDF:1298.0/54

All: -2.258+/-0.034 χ^2/NDF: 2576.2/101


reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs Slug, Sign Corrected
50
45
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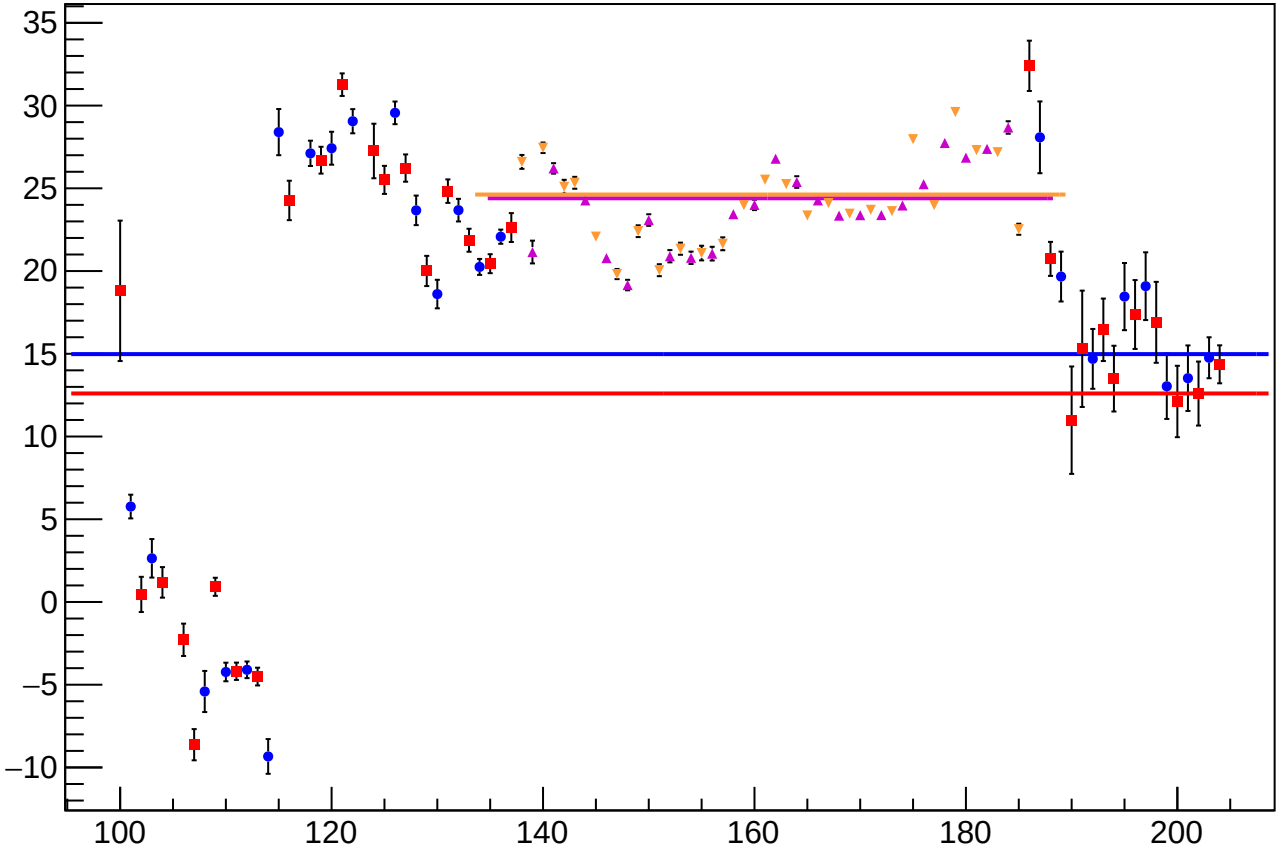
160
180
200
Right In: 36.359+/-0.147 χ2/NDF: 1391.9/23
Left Out: 26.411+/-0.062 χ2/NDF:9222.2/24
Right Out: 36.261+/-0.137 χ2/NDF: 2577.5/29
Left In: 26.036+/-0.064 χ2/NDF:7842.9/22
Left: 26.228+/-0.045 χ2/NDF: 17082.8/47
Right: 36.306+/-0.100 χ2/NDF: 3969.7/53
In: 27.683+/-0.059 χ2/NDF:13400.8/46
Out: 28.096+/-0.057 χ2/NDF:16080.0/54
All: 27.896+/-0.041 χ2/NDF: 29506.6/101

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 14.980+/-0.167 χ^2/NDF: 5742.0/23

Left Out: 24.624+/-0.055 χ^2/NDF:1950.7/24

Right Out: 12.602+/-0.167 χ^2/NDF: 6367.0/29

Left In: 24.397+/-0.056 χ^2/NDF:1715.6/22

Left: 24.513+/-0.039 χ^2/NDF: 3674.6/47

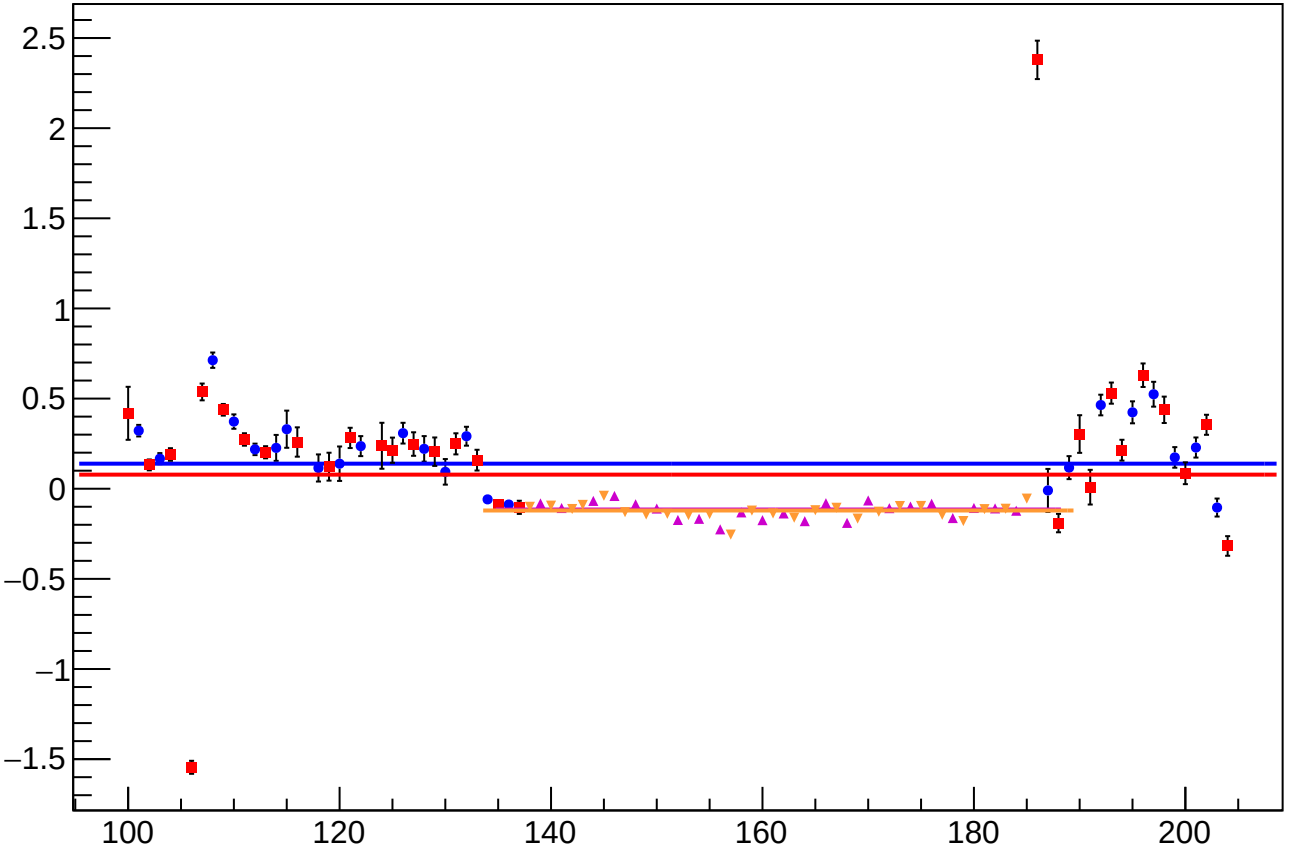
Right: 13.791+/-0.118 χ^2/NDF: 12209.9/53

In: 23.436+/-0.053 χ^2/NDF:10298.6/46

Out: 23.445+/-0.052 χ^2/NDF:12973.2/54

All: 23.441+/-0.037 χ^2/NDF: 23271.8/101

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.139+/-0.009 χ^2/NDF: 636.7/23

Left Out: -0.121+/-0.002 χ^2/NDF:262.9/24

Right Out: 0.078+/-0.009 χ^2/NDF: 3170.7/29

Left In: -0.115+/-0.003 χ^2/NDF:290.7/22

Left: -0.118+/-0.002 χ^2/NDF: 556.0/47

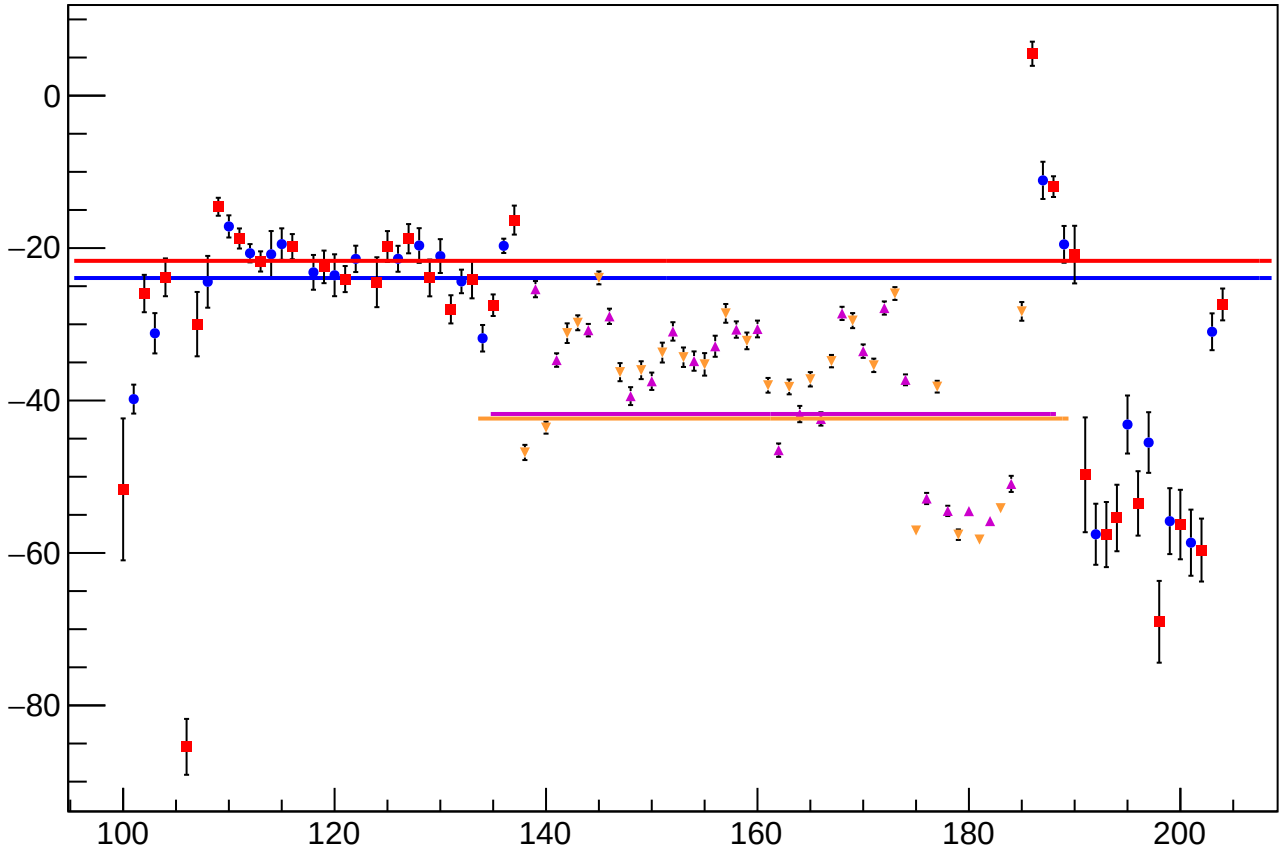
Right: 0.109+/-0.006 χ^2/NDF: 3831.9/53

In: -0.095+/-0.002 χ^2/NDF:1727.6/46

Out: -0.106+/-0.002 χ^2/NDF:3913.3/54

All: -0.101+/-0.002 χ^2/NDF: 5651.0/101

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -23.928+/-0.405 χ^2/NDF: 446.0/23

Left Out: -42.366+/-0.175 χ^2/NDF:4477.3/24

Right Out: -21.675+/-0.382 χ^2/NDF: 1181.1/29

Left In: -41.764+/-0.182 χ^2/NDF:3459.2/22

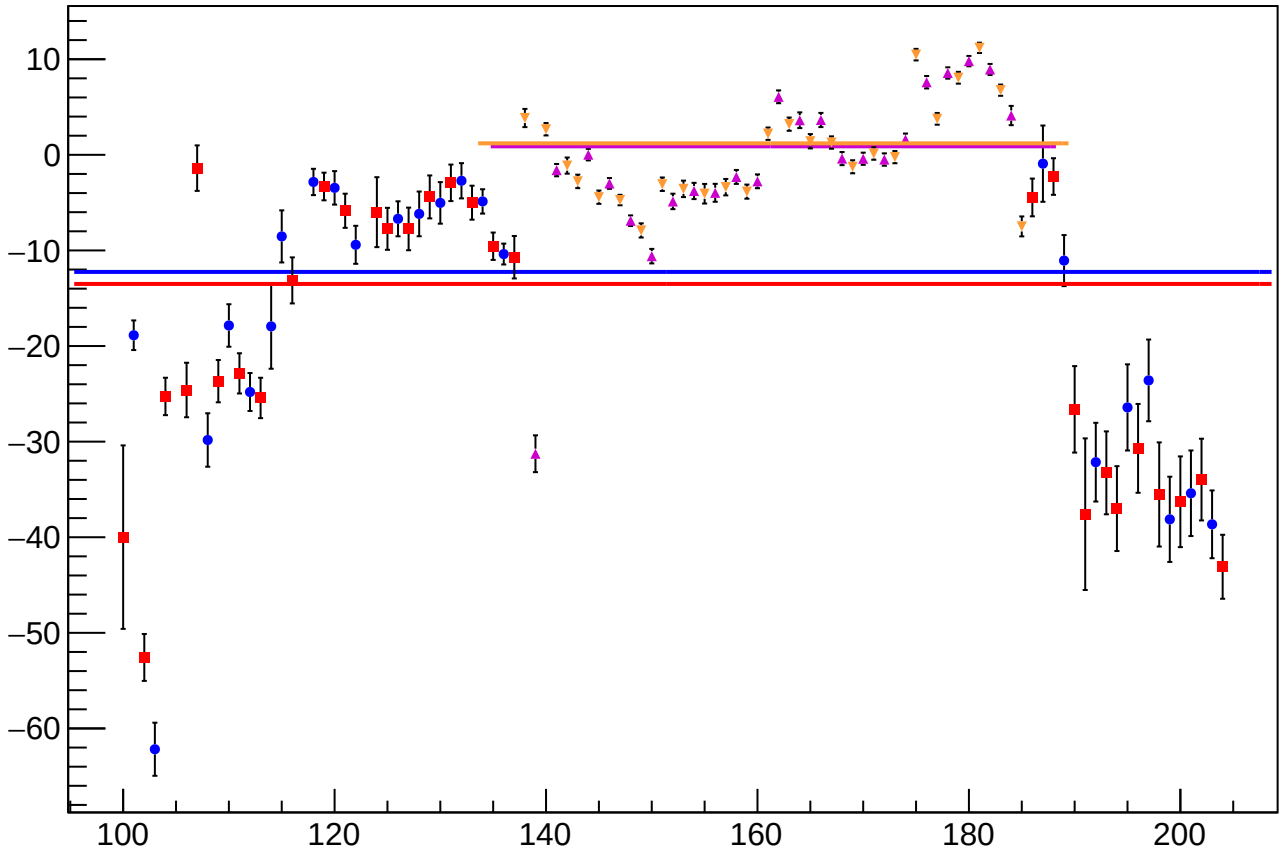
Left: -42.076+/-0.126 χ^2/NDF: 7942.1/47

Right: -22.738+/-0.278 χ^2/NDF: 1643.5/53

In: -38.770+/-0.166 χ^2/NDF:5522.1/46

Out: -38.775+/-0.159 χ^2/NDF:8078.7/54

All: -38.773+/-0.115 χ^2/NDF: 13600.8/101



Right In: -12.247+/-0.430 χ^2/NDF: 759.6/23

Left Out: 1.203+/-0.138 χ^2/NDF:1463.6/24

Right Out: -13.505+/-0.435 χ^2/NDF: 852.4/29

Left In: 0.889+/-0.143 χ^2/NDF:1763.7/22

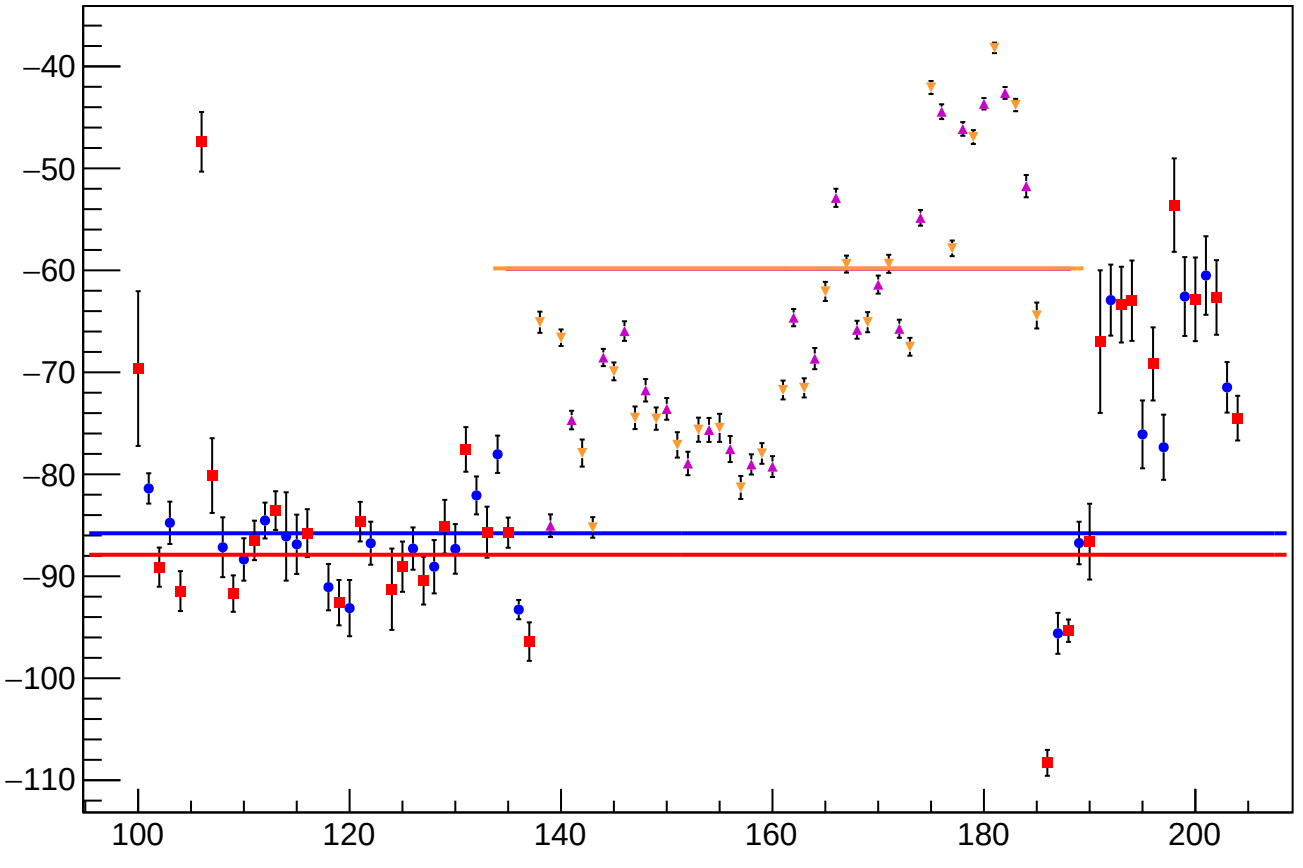
Left: 1.051+/-0.099 χ^2/NDF: 3229.8/47

Right: -12.869+/-0.306 χ^2/NDF: 1616.3/53

In: -0.419+/-0.136 χ^2/NDF:3364.3/46

Out: -0.145+/-0.132 χ^2/NDF:3354.9/54

All: -0.278+/-0.094 χ^2/NDF: 6721.3/101



Right In: -85.784+/-0.431 χ^2/NDF: 306.3/23

Left Out: -59.809+/-0.175 χ^2/NDF:6645.1/24

Right Out: -87.888+/-0.406 χ^2/NDF: 875.4/29

Left In: -59.846+/-0.181 χ^2/NDF:5534.1/22

Left: -59.827+/-0.126 χ^2/NDF: 12179.2/47

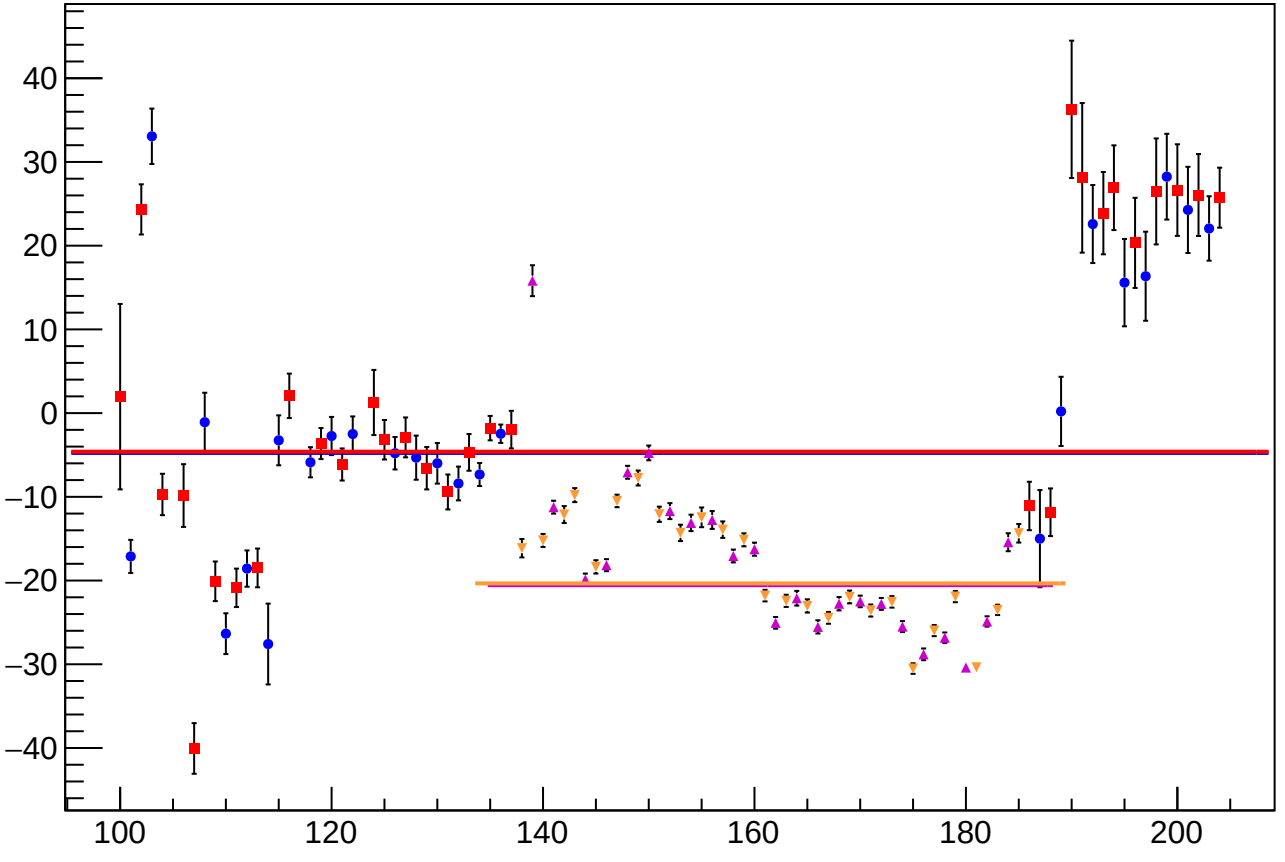
Right: -86.899+/-0.296 χ^2/NDF: 1194.3/53

In: -63.733+/-0.167 χ^2/NDF:8915.5/46

Out: -64.216+/-0.161 χ^2/NDF:11546.7/54

All: -63.983+/-0.116 χ^2/NDF: 20466.5/101

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -4.755+/-0.486 χ^2/NDF: 518.0/23

Left Out: -20.339+/-0.155 χ^2/NDF:1701.1/24

Right Out: -4.608+/-0.502 χ^2/NDF: 698.7/29

Left In: -20.555+/-0.160 χ^2/NDF:2193.8/22

Left: -20.444+/-0.111 χ^2/NDF: 3895.8/47

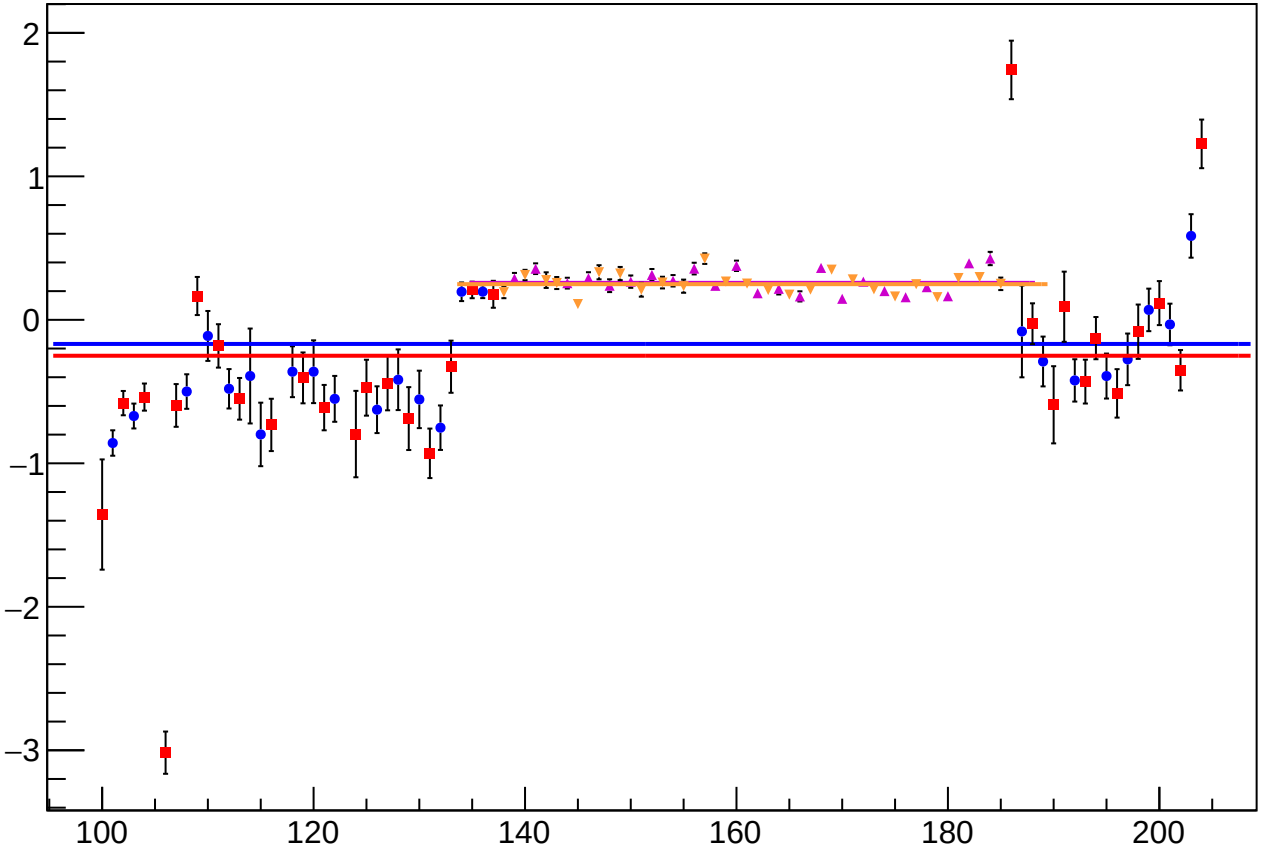
Right: -4.684+/-0.349 χ^2/NDF: 1216.8/53

In: -19.020+/-0.152 χ^2/NDF:3664.4/46

Out: -18.975+/-0.148 χ^2/NDF:3297.4/54

All: -18.997+/-0.106 χ^2/NDF: 6961.8/101

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.168+/-0.024 χ^2/NDF: 281.8/23

Left Out: 0.249+/-0.007 χ^2/NDF:93.2/24

Right Out: -0.250+/-0.025 χ^2/NDF: 716.8/29

Left In: 0.258+/-0.007 χ^2/NDF:134.3/22

Left: 0.253+/-0.005 χ^2/NDF: 228.3/47

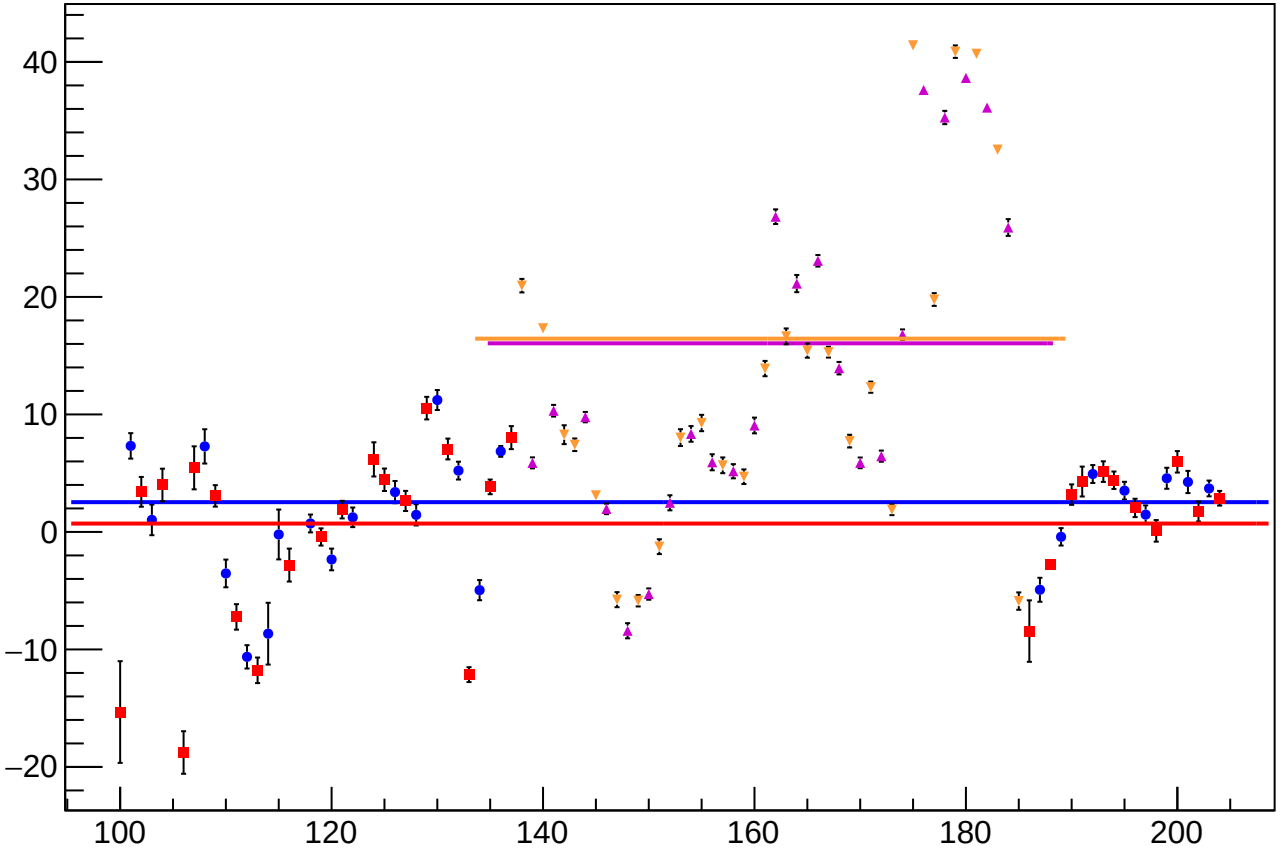
Right: -0.207+/-0.018 χ^2/NDF: 1004.1/53

In: 0.224+/-0.007 χ^2/NDF:698.7/46

Out: 0.214+/-0.007 χ^2/NDF:1168.3/54

All: 0.219+/-0.005 χ^2/NDF: 1868.1/101

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 2.534+/-0.176 χ^2/NDF: 667.3/23

Left Out: 16.449+/-0.104 χ^2/NDF:21400.3/24

Right Out: 0.712+/-0.157 χ^2/NDF: 1245.7/29

Left In: 16.051+/-0.107 χ^2/NDF:17625.1/22

Left: 16.256+/-0.075 χ^2/NDF: 39032.5/47

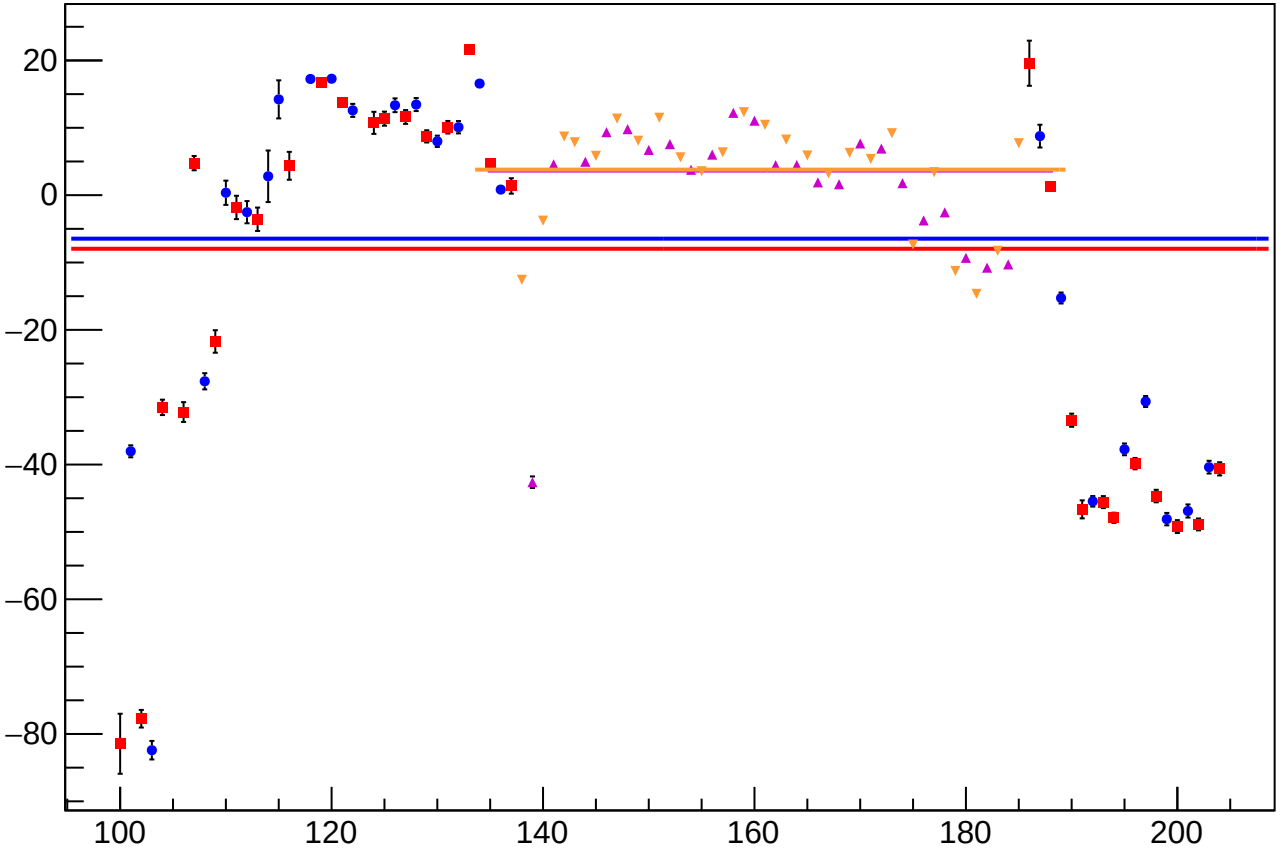
Right: 1.522+/-0.117 χ^2/NDF: 1972.7/53

In: 12.384+/-0.092 χ^2/NDF:22602.3/46

Out: 11.655+/-0.087 χ^2/NDF:29619.1/54

All: 12.000+/-0.063 χ^2/NDF: 52254.9/101

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -6.459+/-0.176 χ^2/NDF: 22196.7/23

Left Out: 3.790+/-0.080 χ^2/NDF:9100.7/24

Right Out: -7.958+/-0.164 χ^2/NDF: 28380.4/29

Left In: 3.649+/-0.083 χ^2/NDF:8310.7/22

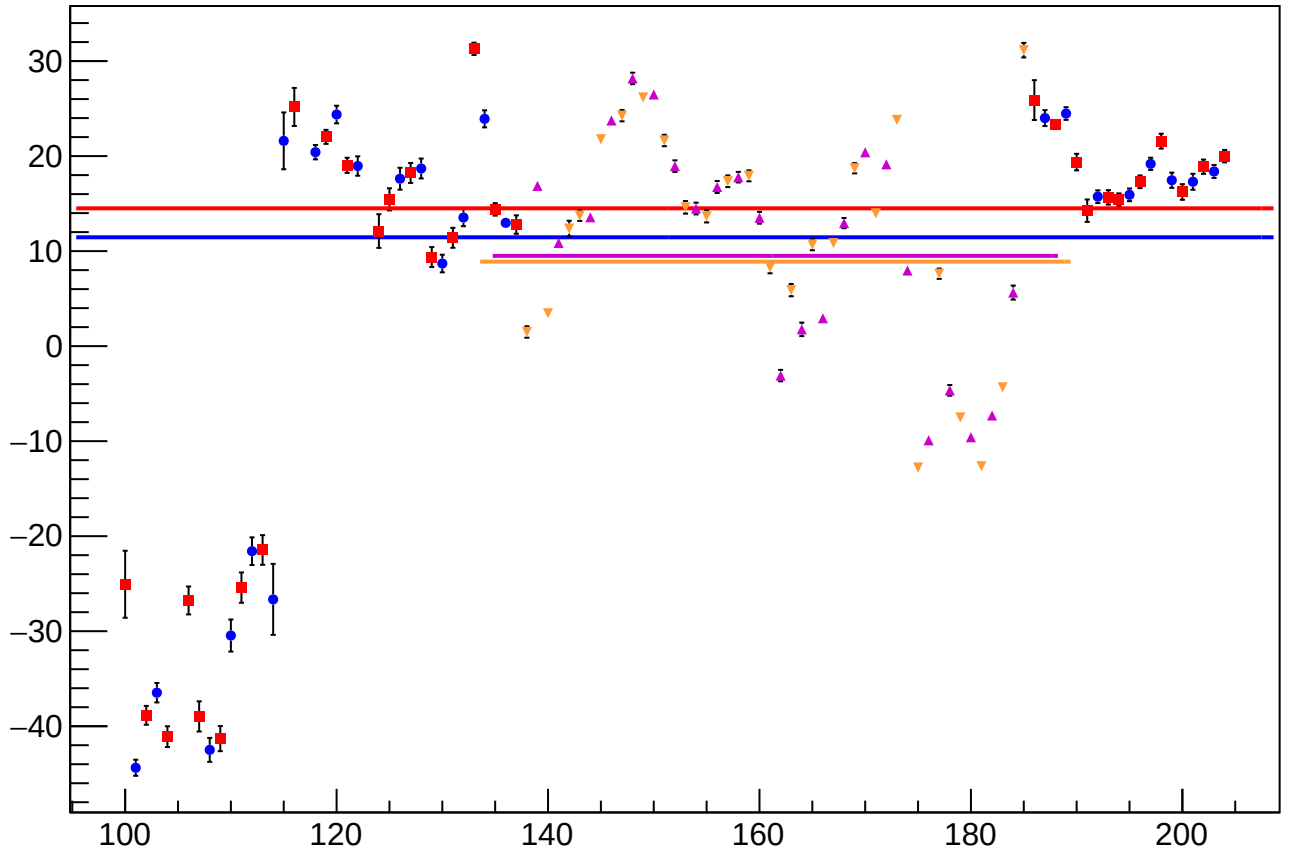
Left: 3.722+/-0.058 χ^2/NDF: 17412.8/47

Right: -7.258+/-0.120 χ^2/NDF: 50615.8/53

In: 1.808+/-0.075 χ^2/NDF:33211.4/46

Out: 1.539+/-0.072 χ^2/NDF:41604.2/54

All: 1.668+/-0.052 χ^2/NDF: 74822.3/101



Right In: 11.455+/-0.173 χ^2/NDF: 11328.9/23

Left Out: 8.892+/-0.104 χ^2/NDF:15428.1/24

Right Out: 14.503+/-0.151 χ^2/NDF: 12456.3/29

Left In: 9.500+/-0.107 χ^2/NDF:13040.9/22

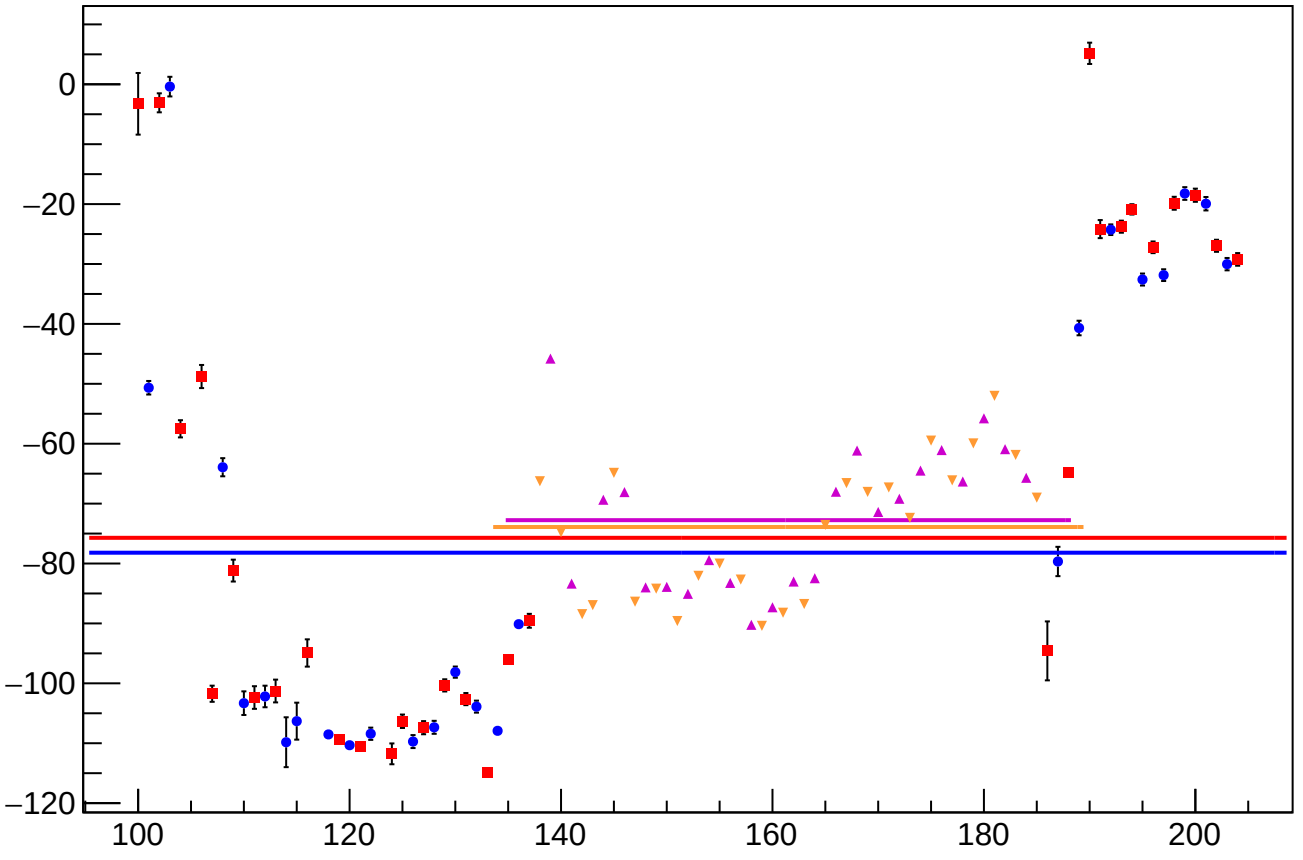
Left: 9.188+/-0.074 χ^2/NDF: 28485.8/47

Right: 13.183+/-0.114 χ^2/NDF: 23961.5/53

In: 10.038+/-0.091 χ^2/NDF:24462.6/46

Out: 10.690+/-0.086 χ^2/NDF:28822.4/54

All: 10.383+/-0.062 χ^2/NDF: 53312.3/101



Right In: -78.195+/-0.205 χ^2/NDF: 30590.1/23

Left Out: -73.907+/-0.090 χ^2/NDF:15567.0/24

Right Out: -75.709+/-0.194 χ^2/NDF: 39905.6/29

Left In: -72.763+/-0.093 χ^2/NDF:12612.6/22

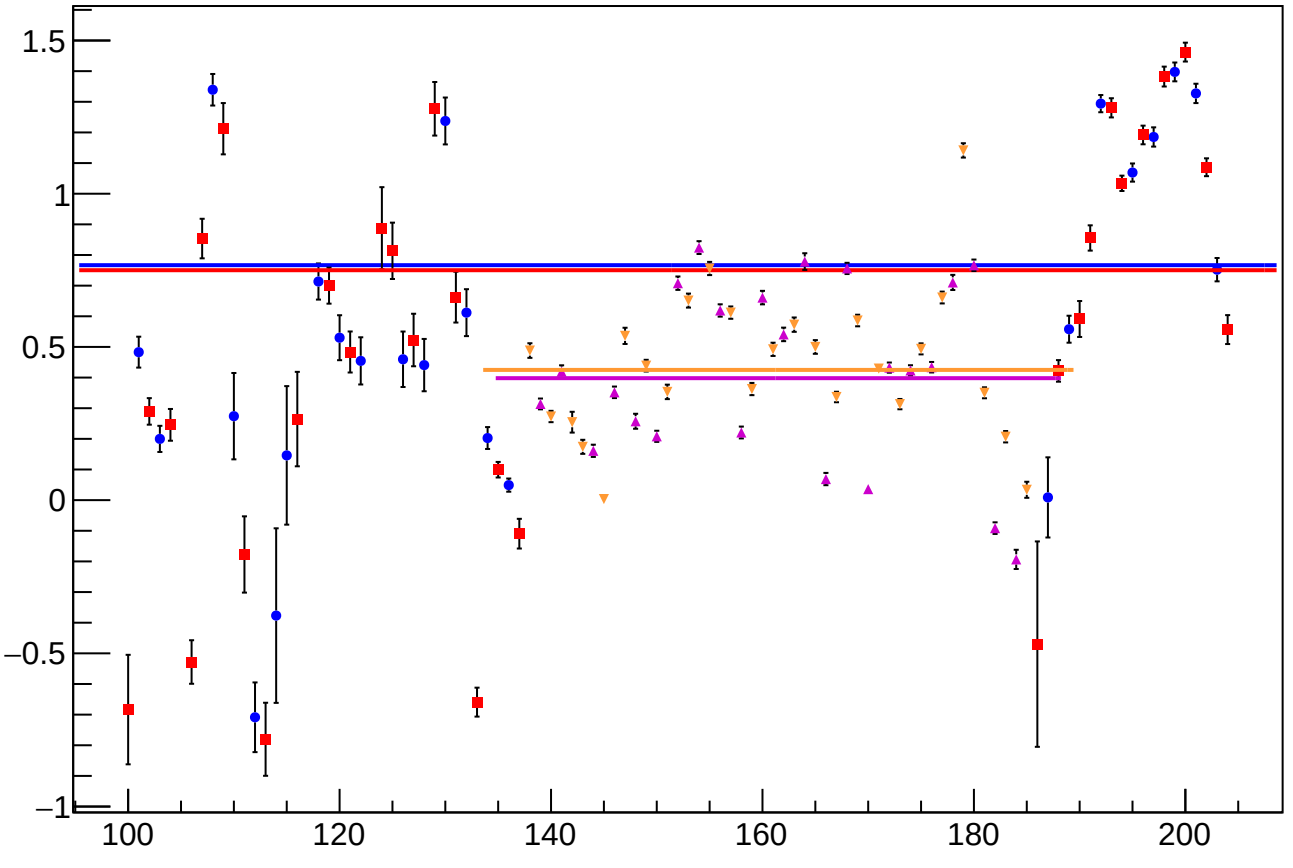
Left: -73.353+/-0.065 χ^2/NDF: 28257.1/47

Right: -76.886+/-0.141 χ^2/NDF: 70573.4/53

In: -73.698+/-0.085 χ^2/NDF:43786.0/46

Out: -74.228+/-0.082 χ^2/NDF:55543.5/54

All: -73.973+/-0.059 χ^2/NDF: 99349.6/101



Right In: 0.767+/-0.009 χ^2/NDF: 3423.2/23

Left Out: 0.425+/-0.004 χ^2/NDF:3035.4/24

Right Out: 0.750+/-0.008 χ^2/NDF: 4587.1/29

Left In: 0.398+/-0.004 χ^2/NDF:4271.0/22

Left: 0.412+/-0.003 χ^2/NDF: 7328.2/47

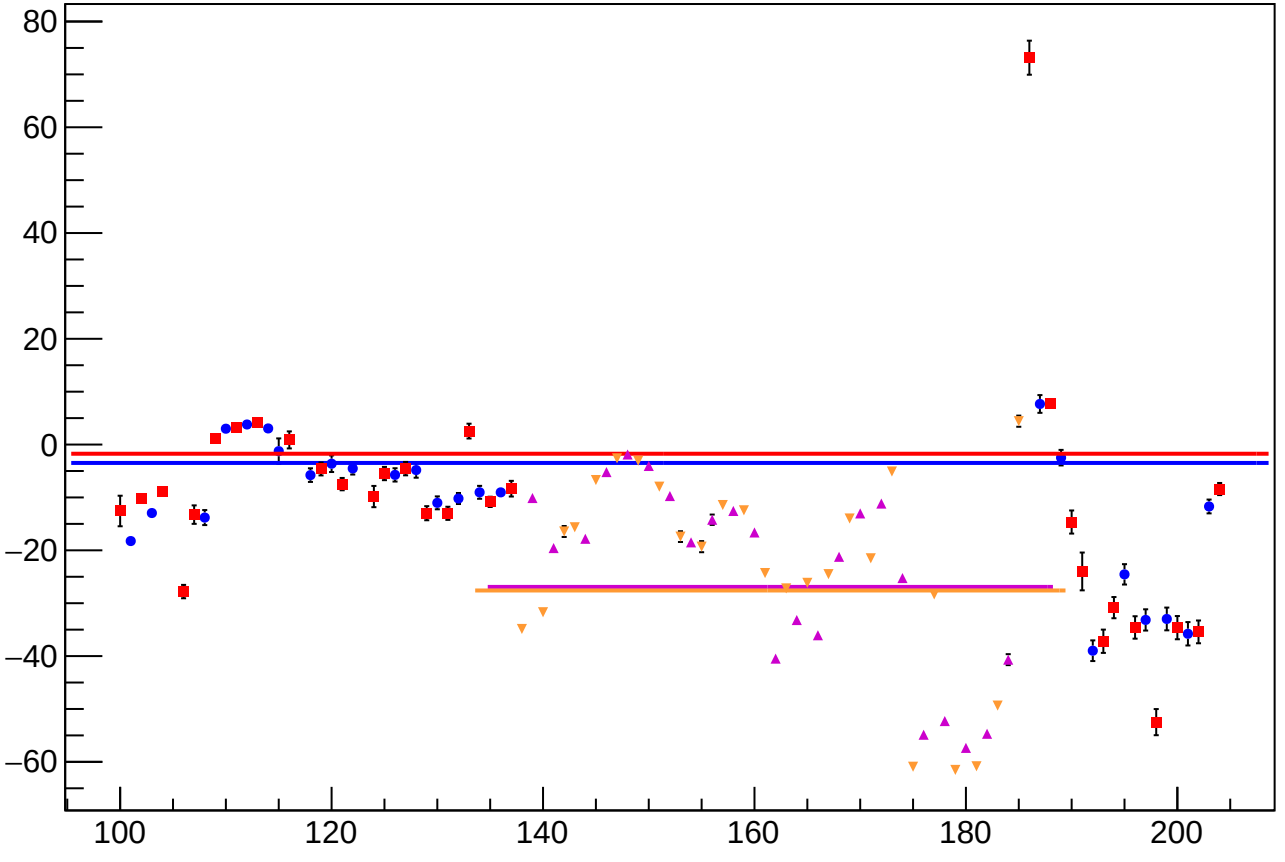
Right: 0.758+/-0.006 χ^2/NDF: 8012.1/53

In: 0.462+/-0.004 χ^2/NDF:9088.1/46

Out: 0.487+/-0.004 χ^2/NDF:8843.9/54

All: 0.475+/-0.003 χ^2/NDF: 17953.6/101

reg_asym_sam_1548_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -3.475+/-0.183 χ^2/NDF: 2691.3/23

Left Out: -27.594+/-0.144 χ^2/NDF:19761.6/24

Right Out: -1.736+/-0.161 χ^2/NDF: 3893.7/29

Left In: -26.918+/-0.149 χ^2/NDF:15536.6/22

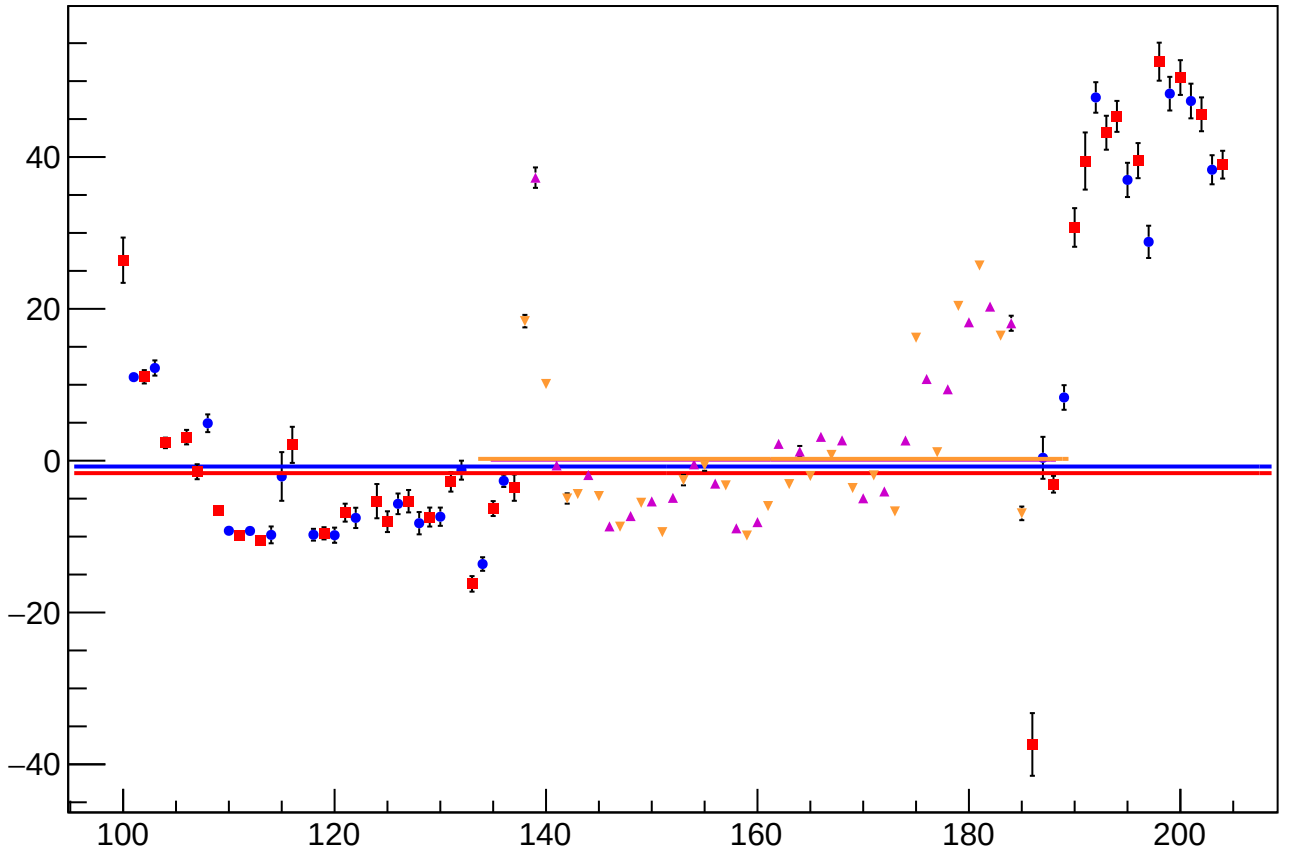
Left: -27.267+/-0.104 χ^2/NDF: 35308.8/47

Right: -2.493+/-0.121 χ^2/NDF: 6635.8/53

In: -17.580+/-0.116 χ^2/NDF:28060.2/46

Out: -16.081+/-0.107 χ^2/NDF:37950.9/54

All: -16.775+/-0.079 χ^2/NDF: 66101.2/101



Right In: -0.770+/-0.216 χ^2/NDF: 4048.3/23

Left Out: 0.238+/-0.110 χ^2/NDF:8035.6/24

Right Out: -1.642+/-0.206 χ^2/NDF: 4772.6/29

Left In: 0.131+/-0.114 χ^2/NDF:5837.4/22

Left: 0.187+/-0.079 χ^2/NDF: 13873.5/47

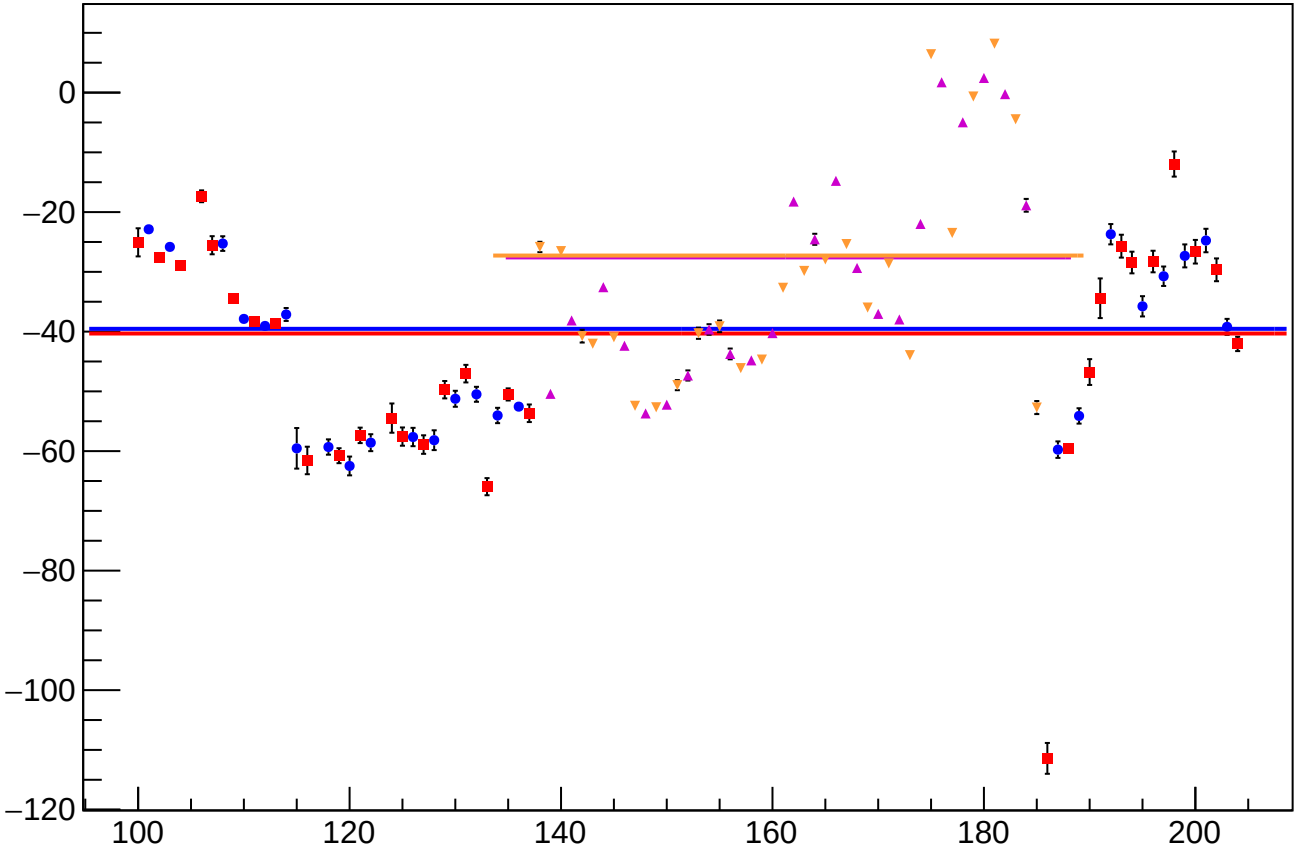
Right: -1.225+/-0.149 χ^2/NDF: 8829.4/53

In: -0.067+/-0.101 χ^2/NDF:9899.4/46

Out: -0.180+/-0.097 χ^2/NDF:12872.7/54

All: -0.125+/-0.070 χ^2/NDF: 22772.8/101

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -39.534+/-0.209 χ^2/NDF: 3519.5/23

Left Out: -27.271+/-0.144 χ^2/NDF:18526.9/24

Right Out: -40.317+/-0.191 χ^2/NDF: 4971.2/29

Left In: -27.583+/-0.148 χ^2/NDF:15648.7/22

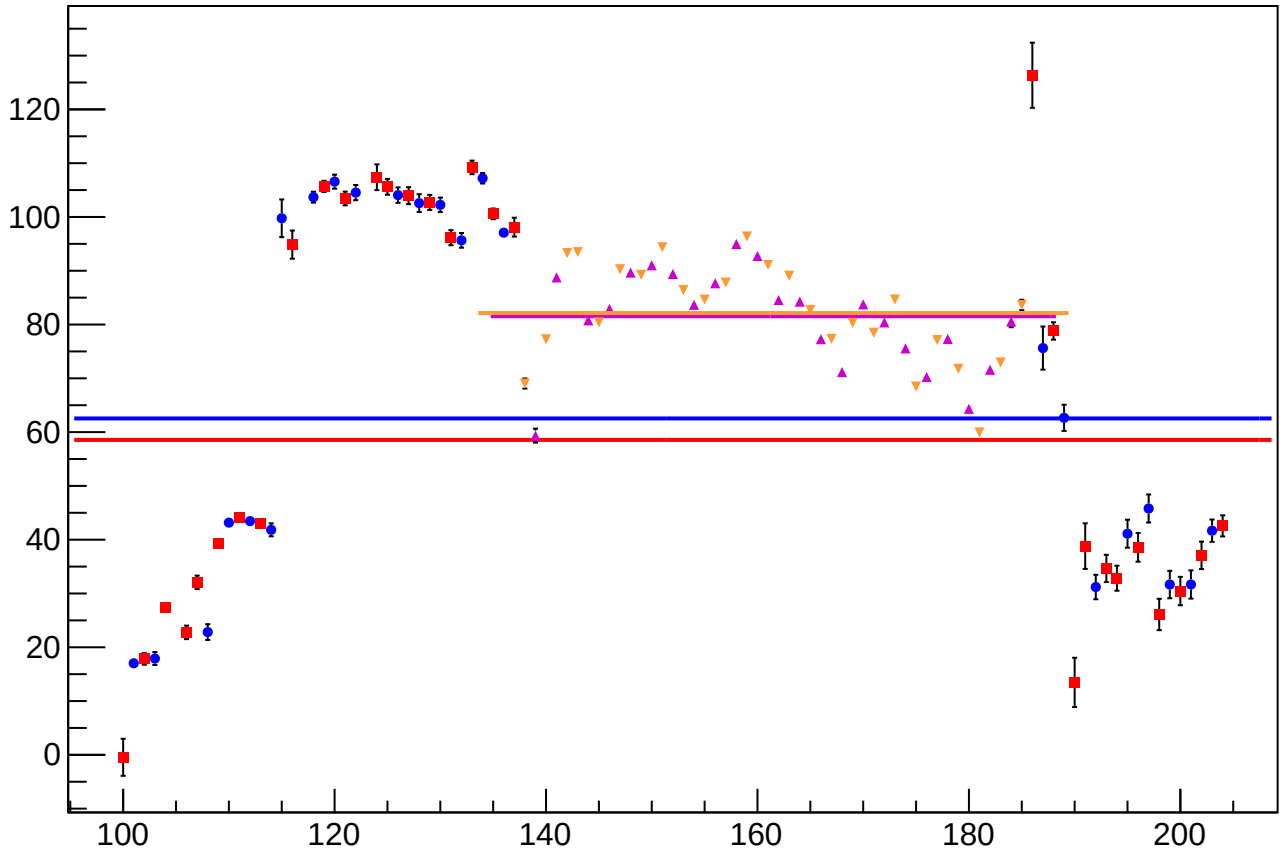
Left: -27.423+/-0.103 χ^2/NDF: 34177.9/47

Right: -39.961+/-0.141 χ^2/NDF: 8498.3/53

In: -31.590+/-0.121 χ^2/NDF:21348.4/46

Out: -32.004+/-0.115 χ^2/NDF:26480.8/54

All: -31.808+/-0.083 χ^2/NDF: 47835.4/101



Right In: 62.542+/-0.247 χ^2/NDF: 19333.5/23

Left Out: 82.134+/-0.125 χ^2/NDF:5375.9/24

Right Out: 58.554+/-0.237 χ^2/NDF: 18499.5/29

Left In: 81.539+/-0.129 χ^2/NDF:4043.0/22

Left: 81.846+/-0.090 χ^2/NDF: 9429.9/47

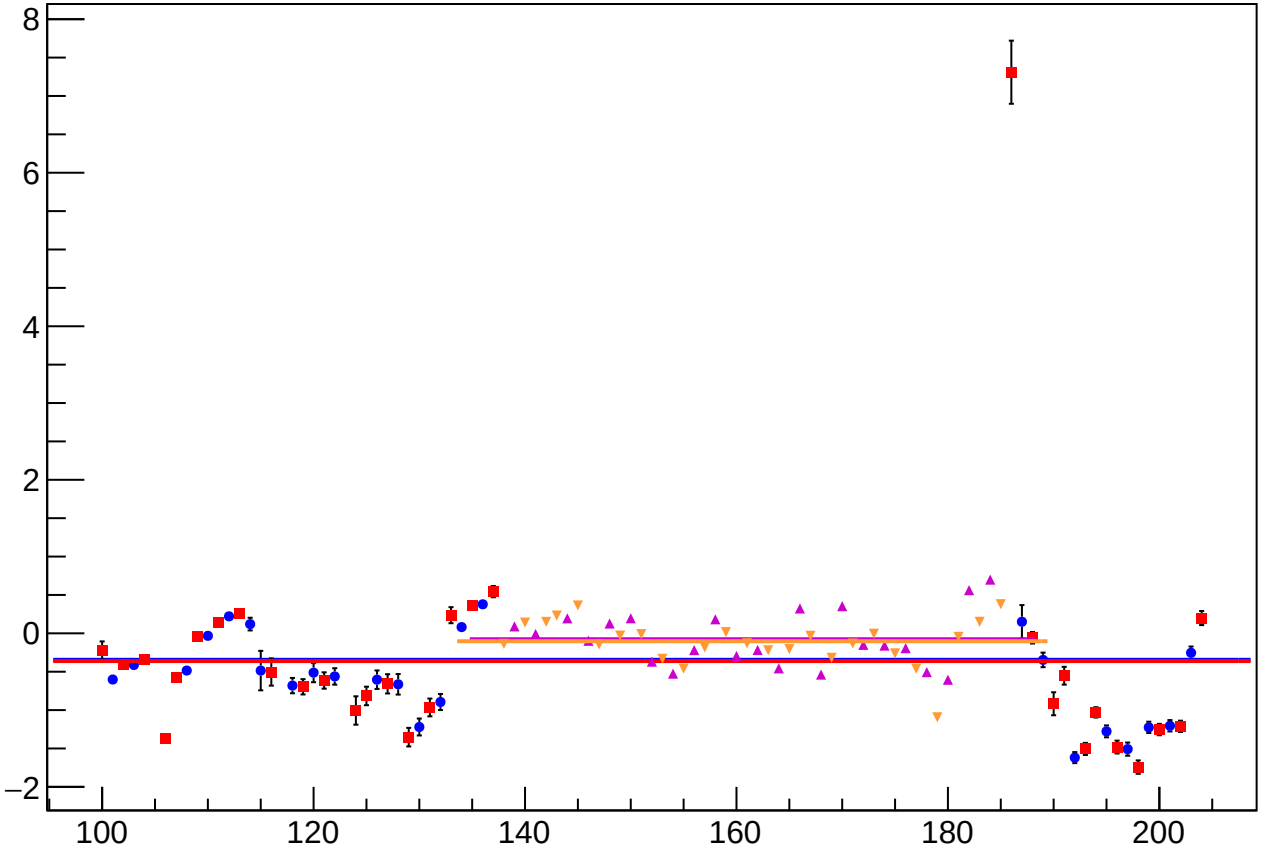
Right: 60.461+/-0.171 χ^2/NDF: 37968.5/53

In: 77.482+/-0.114 χ^2/NDF:28011.5/46

Out: 77.011+/-0.110 χ^2/NDF:31636.4/54

All: 77.238+/-0.079 χ^2/NDF: 59656.7/101

reg_asym_sam_1548_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.345+/-0.012 χ^2/NDF: 1975.1/23

Left Out: -0.103+/-0.006 χ^2/NDF:2408.2/24

Right Out: -0.361+/-0.012 χ^2/NDF: 2929.8/29

Left In: -0.077+/-0.006 χ^2/NDF:3320.8/22

Left: -0.090+/-0.004 χ^2/NDF: 5739.7/47

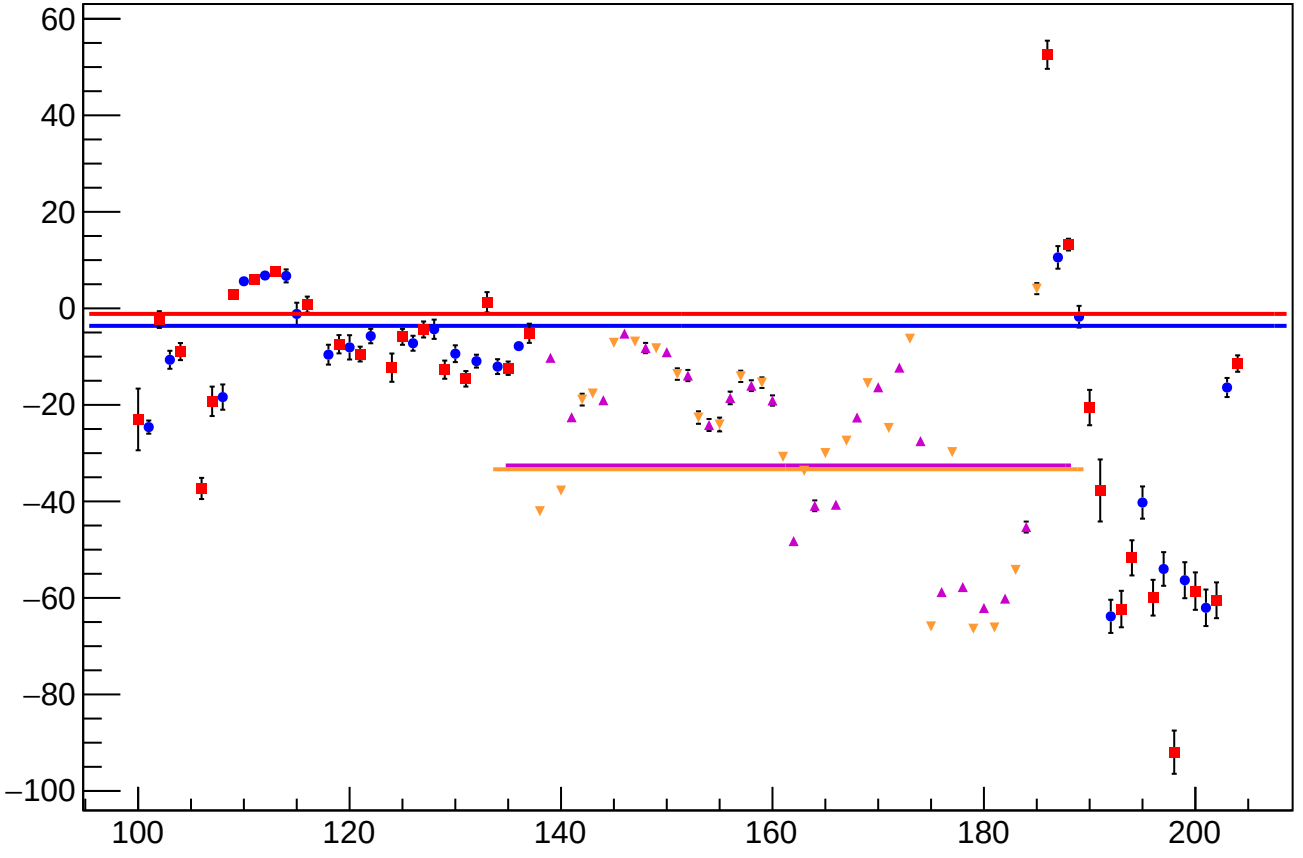
Right: -0.354+/-0.008 χ^2/NDF: 4905.8/53

In: -0.125+/-0.005 χ^2/NDF:5690.0/46

Out: -0.152+/-0.005 χ^2/NDF:5738.5/54

All: -0.139+/-0.004 χ^2/NDF: 11442.1/101

reg_asym_sam_3748_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -3.624+/-0.294 χ^2/NDF: 2093.6/23

Left Out: -33.346+/-0.165 χ^2/NDF:17989.6/24

Right Out: -1.145+/-0.265 χ^2/NDF: 3116.5/29

Left In: -32.559+/-0.169 χ^2/NDF:13896.0/22

Left: -32.964+/-0.118 χ^2/NDF: 31896.7/47

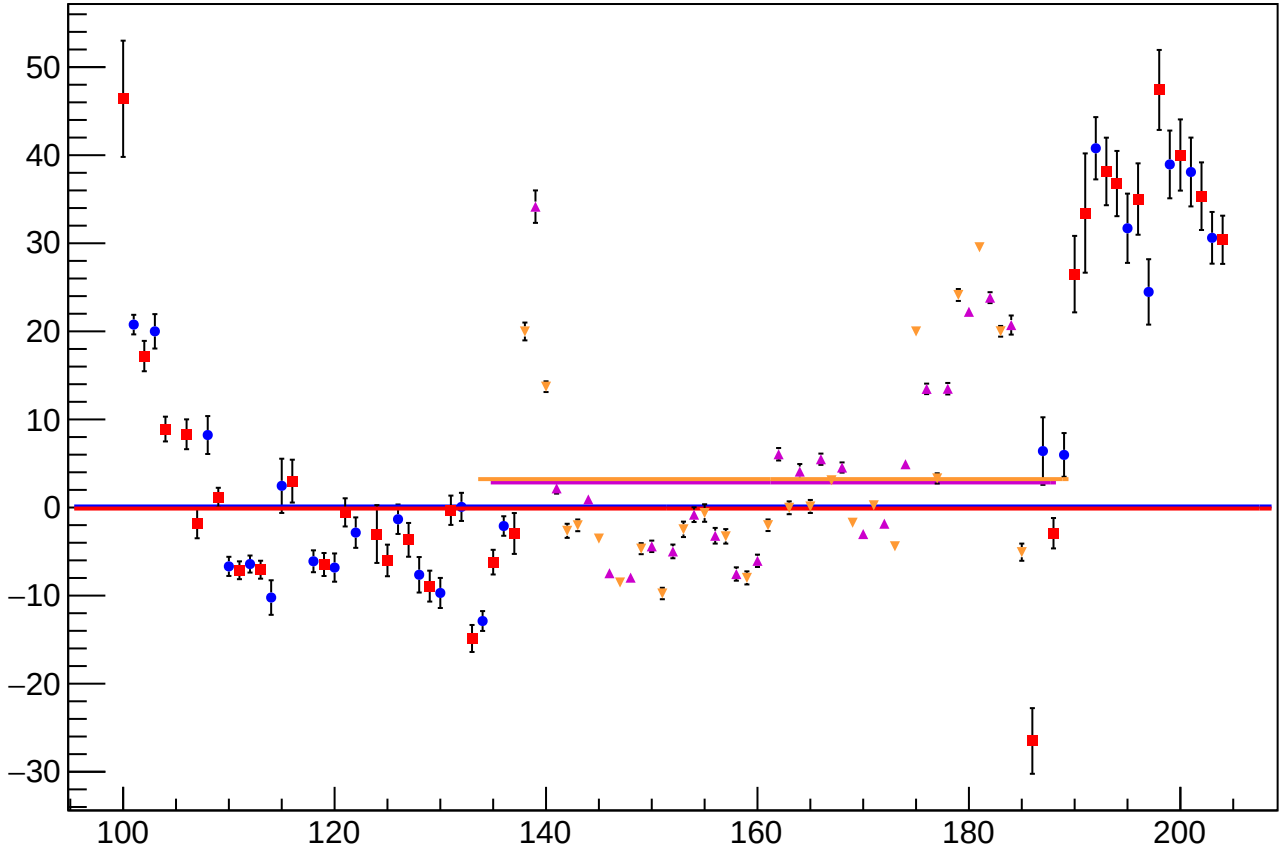
Right: -2.257+/-0.197 χ^2/NDF: 5249.3/53

In: -25.344+/-0.147 χ^2/NDF:23262.1/46

Out: -24.388+/-0.140 χ^2/NDF:31752.4/54

All: -24.843+/-0.101 χ^2/NDF: 55036.7/101

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.118+/-0.341 χ^2/NDF: 1361.5/23

Left Out: 3.224+/-0.128 χ^2/NDF:7675.6/24

Right Out: -0.117+/-0.335 χ^2/NDF: 1298.4/29

Left In: 2.845+/-0.131 χ^2/NDF:5455.5/22

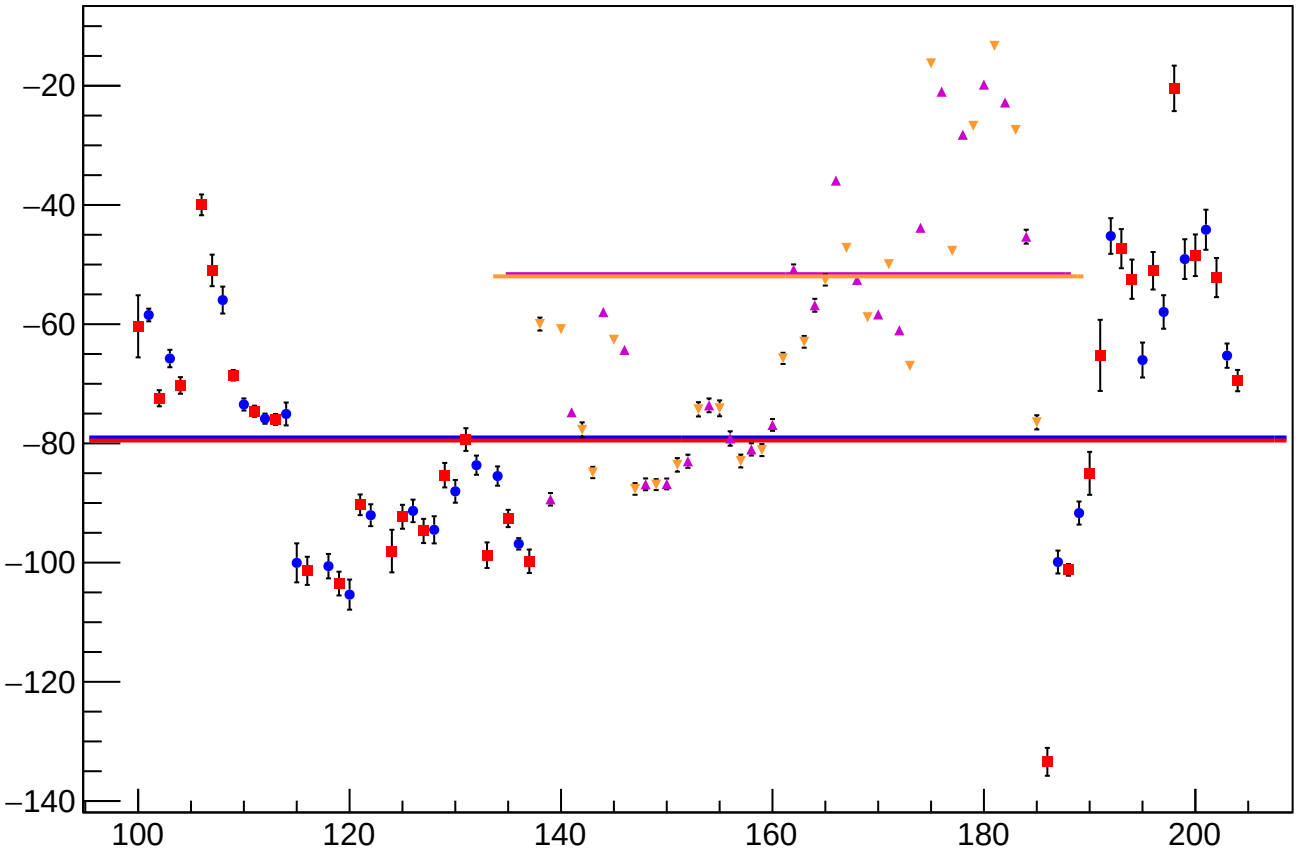
Left: 3.039+/-0.092 χ^2/NDF: 13135.4/47

Right: -0.001+/-0.239 χ^2/NDF: 2660.1/53

In: 2.494+/-0.122 χ^2/NDF:6872.6/46

Out: 2.797+/-0.120 χ^2/NDF:9060.8/54

All: 2.649+/-0.086 χ^2/NDF: 15936.6/101



Right In: -79.005+/-0.336 χ^2/NDF: 1993.9/23

Left Out: -51.982+/-0.165 χ^2/NDF:20887.7/24

Right Out: -79.517+/-0.314 χ^2/NDF: 3267.8/29

Left In: -51.612+/-0.169 χ^2/NDF:17624.2/22

Left: -51.802+/-0.118 χ^2/NDF: 38514.3/47

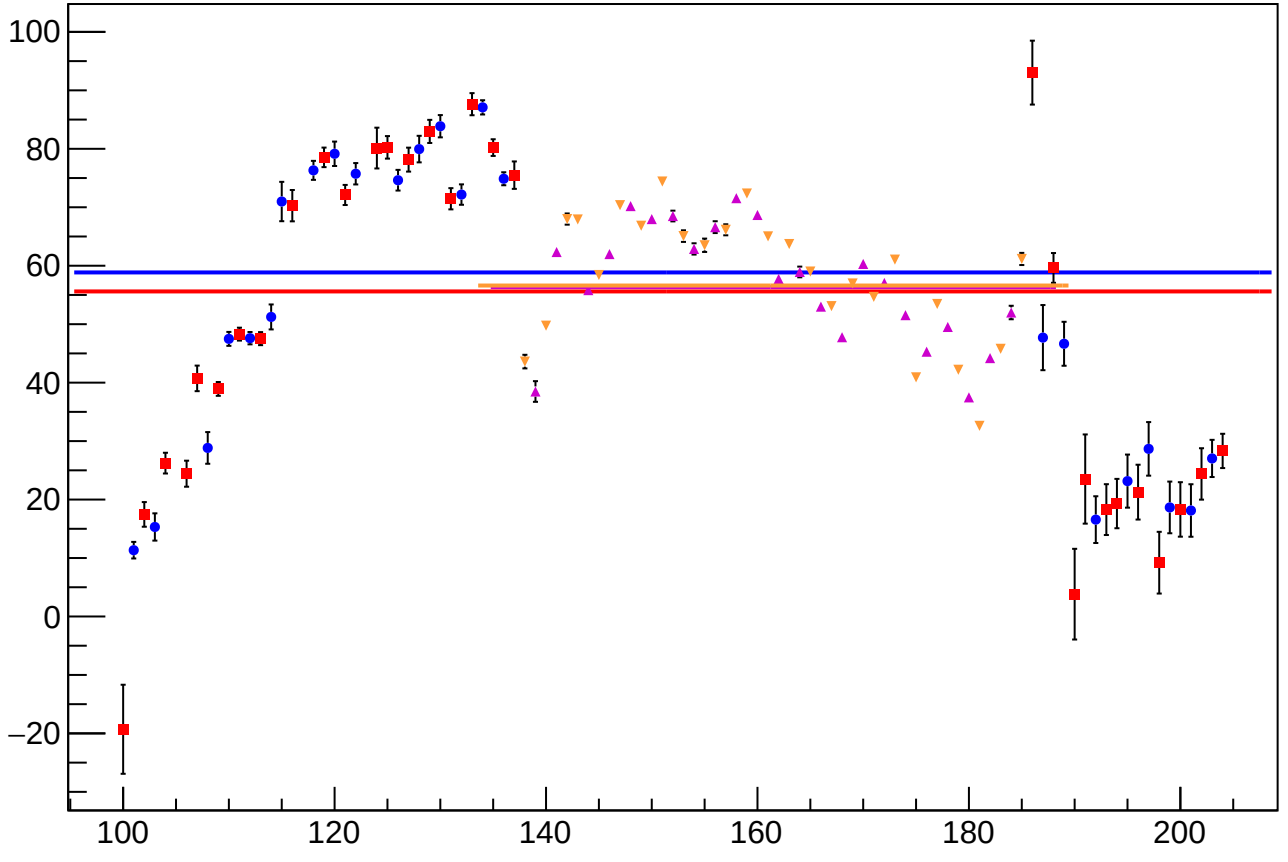
Right: -79.279+/-0.229 χ^2/NDF: 5262.9/53

In: -57.139+/-0.151 χ^2/NDF:24914.4/46

Out: -57.940+/-0.146 χ^2/NDF:30194.6/54

All: -57.553+/-0.105 χ^2/NDF: 55123.5/101

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 58.852+/-0.387 χ^2/NDF: 3758.3/23

Left Out: 56.612+/-0.144 χ^2/NDF:5666.2/24

Right Out: 55.602+/-0.381 χ^2/NDF: 3395.0/29

Left In: 56.348+/-0.147 χ^2/NDF:3968.7/22

Left: 56.483+/-0.103 χ^2/NDF: 9636.5/47

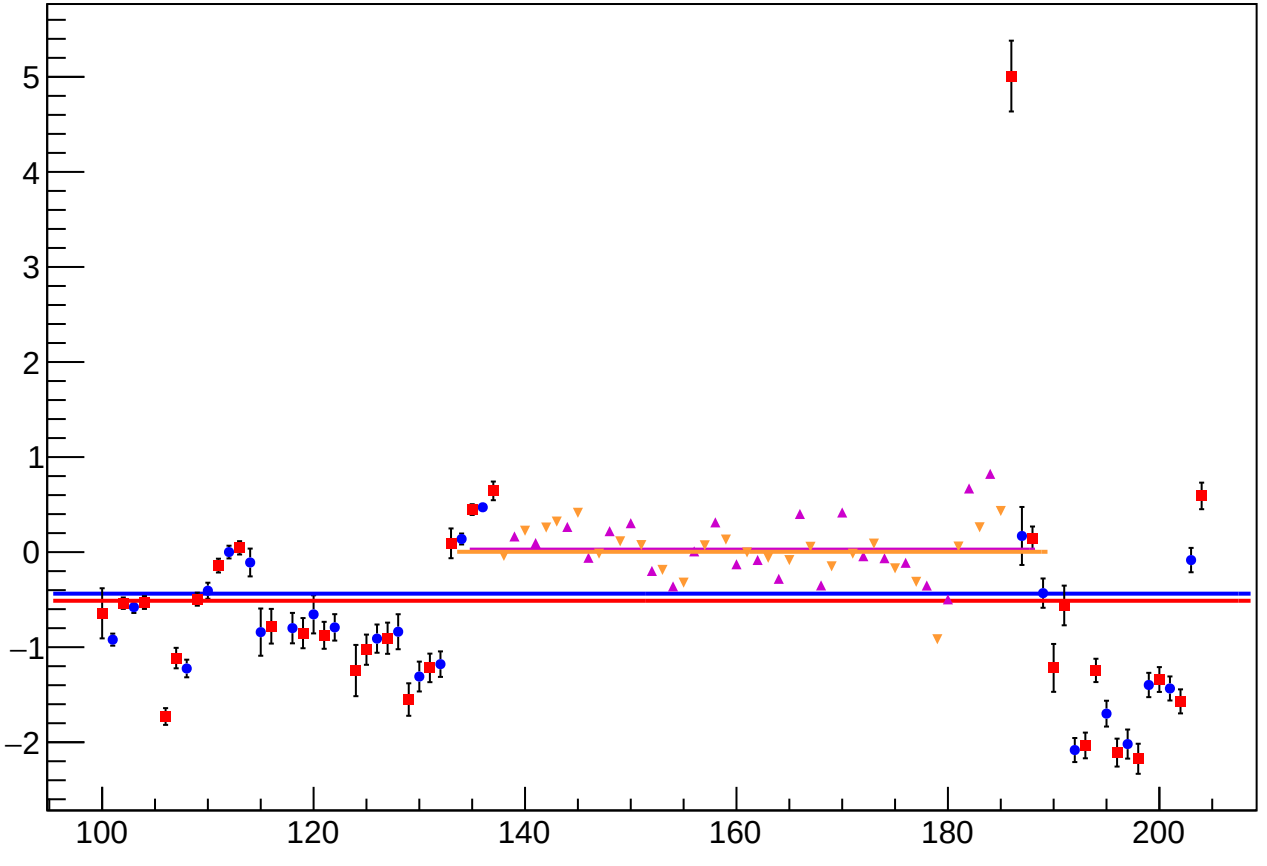
Right: 57.205+/-0.271 χ^2/NDF: 7189.1/53

In: 56.666+/-0.138 χ^2/NDF:7763.7/46

Out: 56.486+/-0.135 χ^2/NDF:9067.3/54

All: 56.574+/-0.096 χ^2/NDF: 16831.8/101

reg_asym_sam_3748_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.437+/-0.020 χ^2/NDF: 1272.2/23

Left Out: 0.004+/-0.006 χ^2/NDF:1701.0/24

Right Out: -0.512+/-0.020 χ^2/NDF: 1671.2/29

Left In: 0.026+/-0.007 χ^2/NDF:2349.0/22

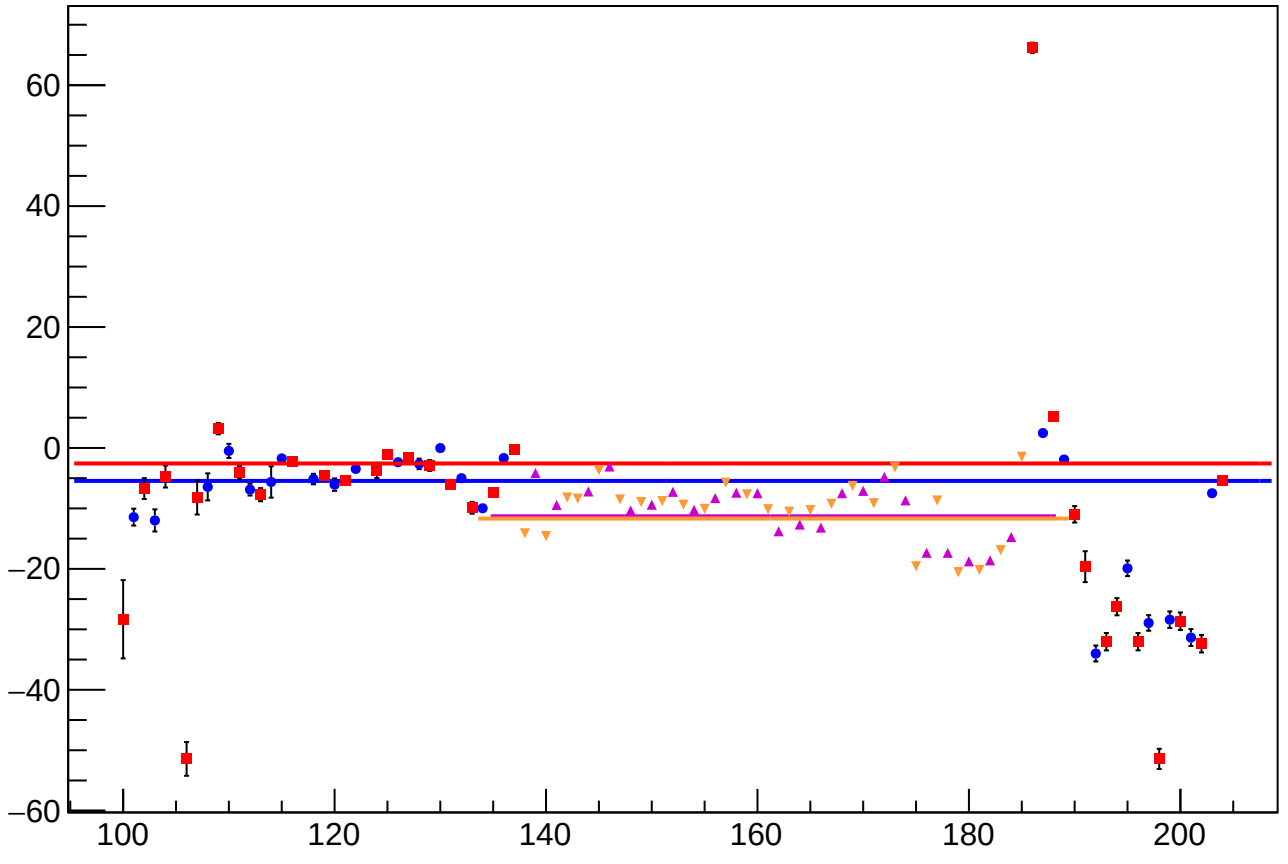
Left: 0.015+/-0.005 χ^2/NDF: 4056.1/47

Right: -0.475+/-0.014 χ^2/NDF: 2950.6/53

In: -0.020+/-0.006 χ^2/NDF:4110.9/46

Out: -0.046+/-0.006 χ^2/NDF:3990.1/54

All: -0.033+/-0.004 χ^2/NDF: 8110.3/101



Right In: -5.450+/-0.167 χ^2/NDF: 2004.3/23

Left Out: -11.680+/-0.053 χ^2/NDF:12602.3/24

Right Out: -2.569+/-0.162 χ^2/NDF: 10430.8/29

Left In: -11.301+/-0.054 χ^2/NDF:9229.2/22

Left: -11.495+/-0.038 χ^2/NDF: 21856.8/47

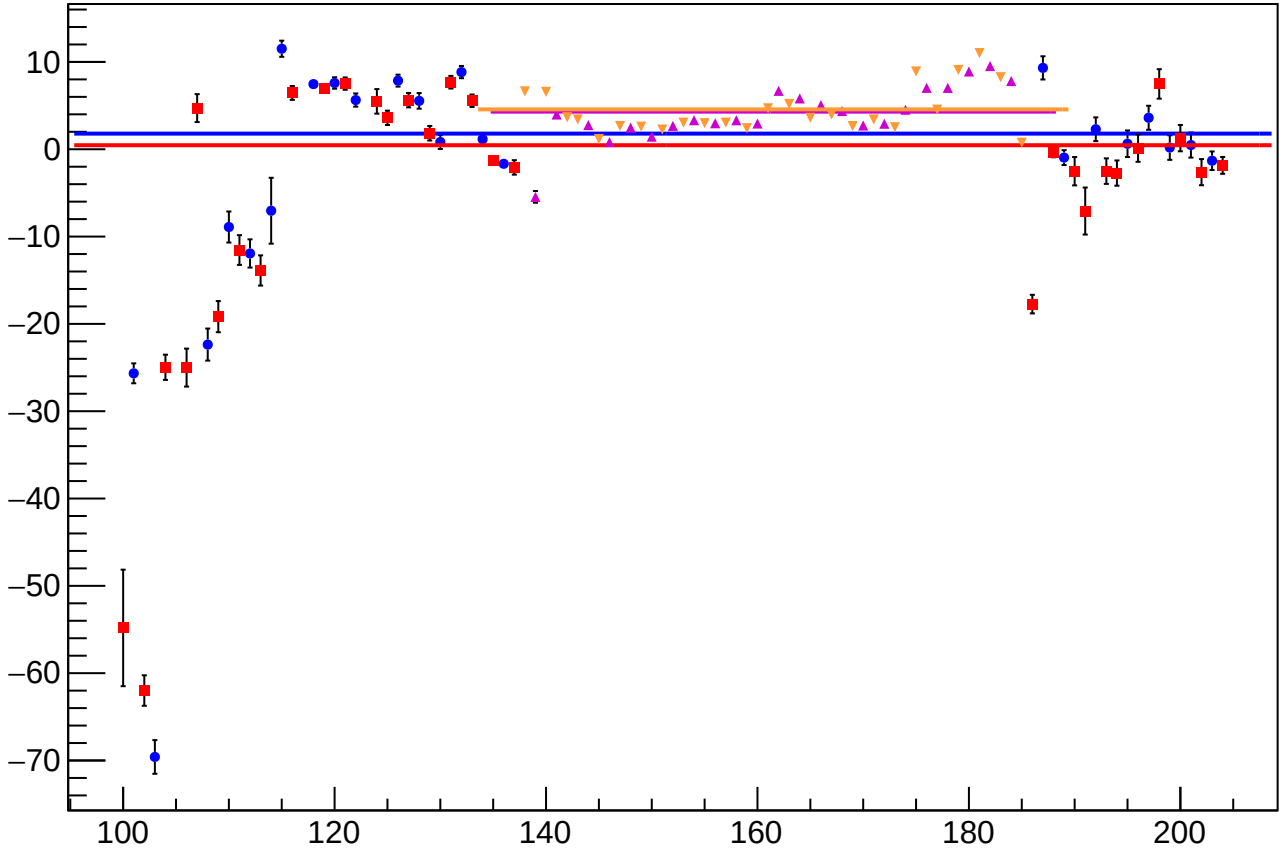
Right: -3.965+/-0.116 χ^2/NDF: 12589.2/53

In: -10.745+/-0.051 χ^2/NDF:12349.5/46

Out: -10.805+/-0.050 χ^2/NDF:25908.6/54

All: -10.776+/-0.036 χ^2/NDF: 38258.8/101

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.791+/-0.173 χ^2/NDF: 2894.2/23

Left Out: 4.564+/-0.041 χ^2/NDF:4356.3/24

Right Out: 0.462+/-0.180 χ^2/NDF: 2927.8/29

Left In: 4.308+/-0.042 χ^2/NDF:3609.0/22

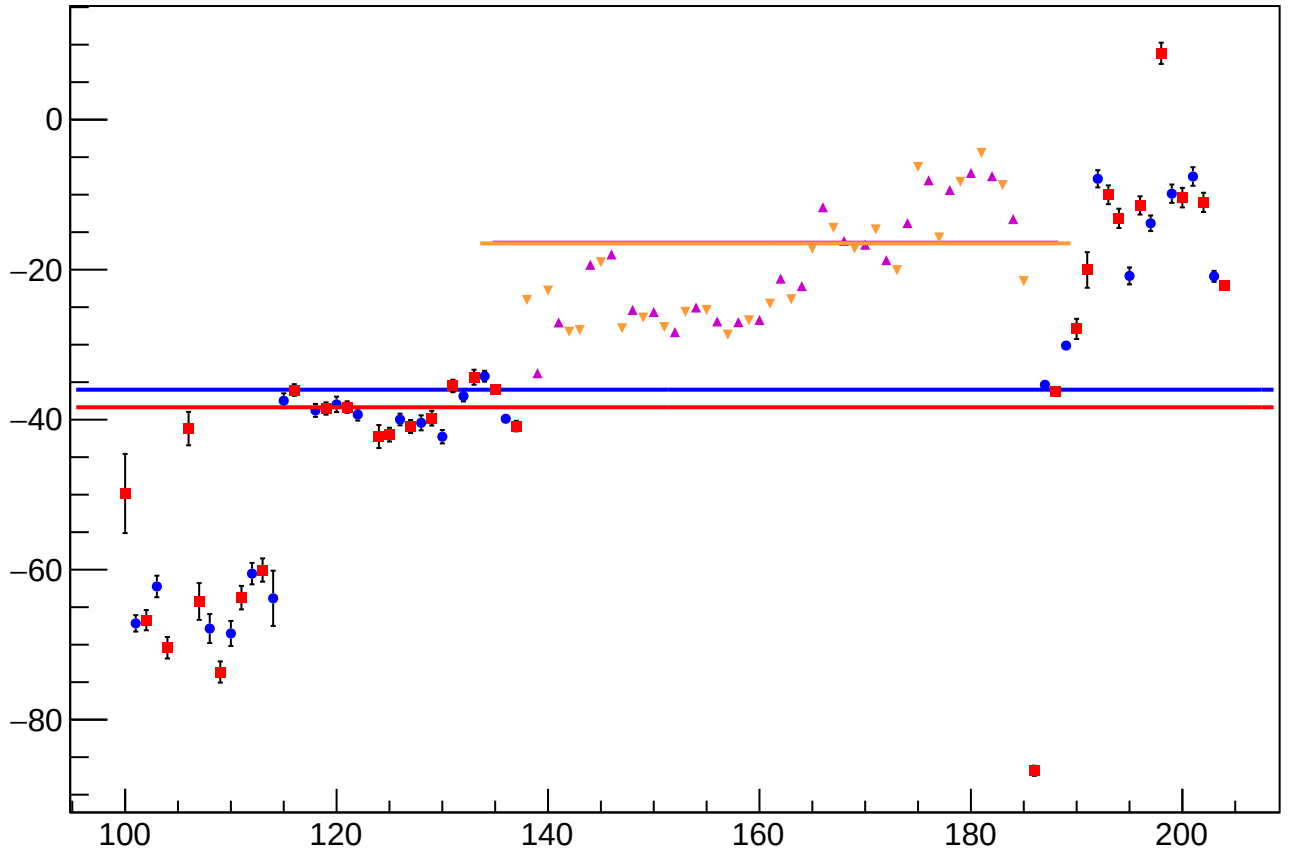
Left: 4.438+/-0.030 χ^2/NDF: 7984.1/47

Right: 1.152+/-0.125 χ^2/NDF: 5850.4/53

In: 4.168+/-0.041 χ^2/NDF:6702.5/46

Out: 4.358+/-0.040 χ^2/NDF:7778.0/54

All: 4.264+/-0.029 χ^2/NDF: 14491.4/101



Right In: -36.003+/-0.173 χ^2/NDF: 5131.6/23

Left Out: -16.492+/-0.053 χ^2/NDF:21982.6/24

Right Out: -38.347+/-0.165 χ^2/NDF: 11611.4/29

Left In: -16.403+/-0.054 χ^2/NDF:18032.3/22

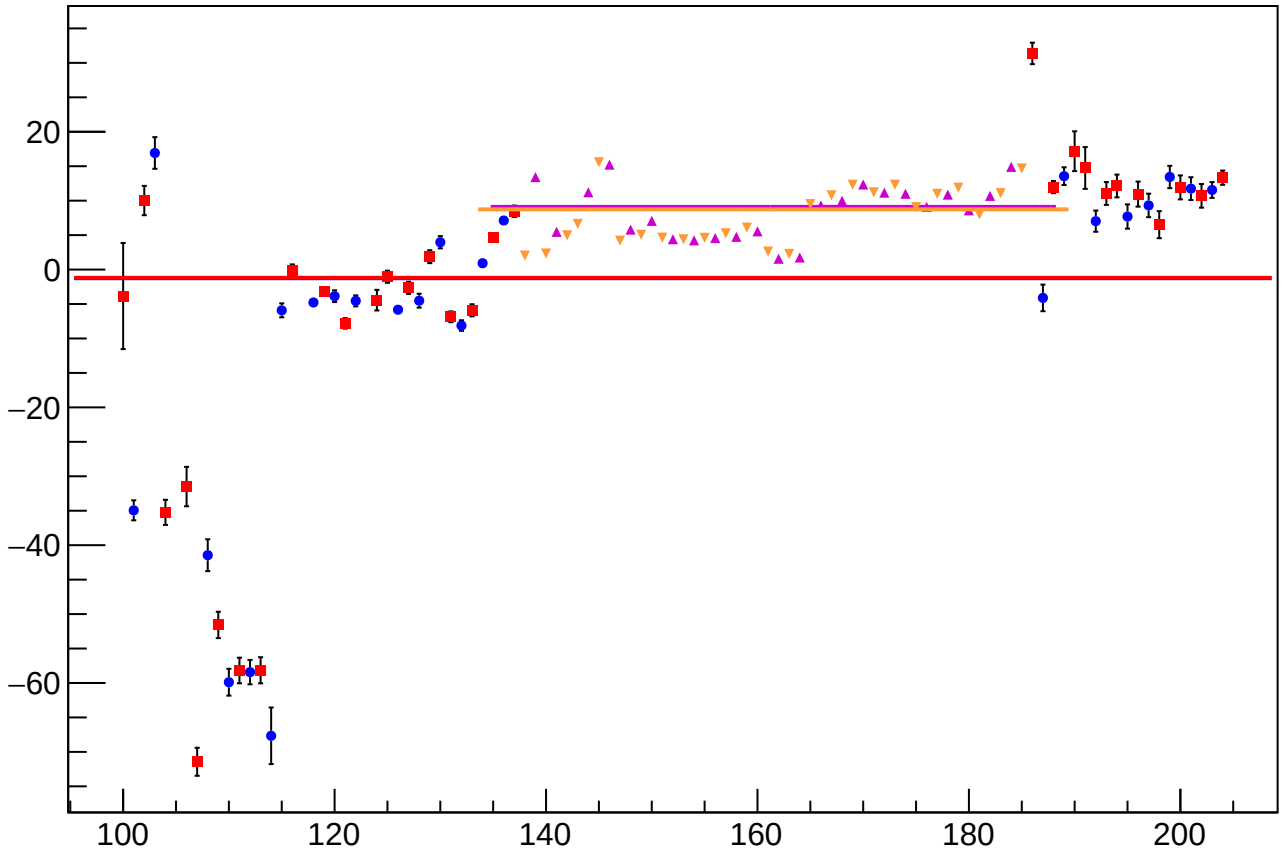
Left: -16.448+/-0.038 χ^2/NDF: 40016.4/47

Right: -37.229+/-0.119 χ^2/NDF: 16839.1/53

In: -18.139+/-0.051 χ^2/NDF:34873.4/46

Out: -18.521+/-0.050 χ^2/NDF:49504.3/54

All: -18.334+/-0.036 χ^2/NDF: 84405.7/101



Right In: -1.253+/-0.195 χ^2/NDF: 4287.0/23

Left Out: 8.735+/-0.046 χ^2/NDF:6875.5/24

Right Out: -1.195+/-0.207 χ^2/NDF: 5857.5/29

Left In: 9.096+/-0.047 χ^2/NDF:5739.5/22

Left: 8.912+/-0.033 χ^2/NDF: 12645.1/47

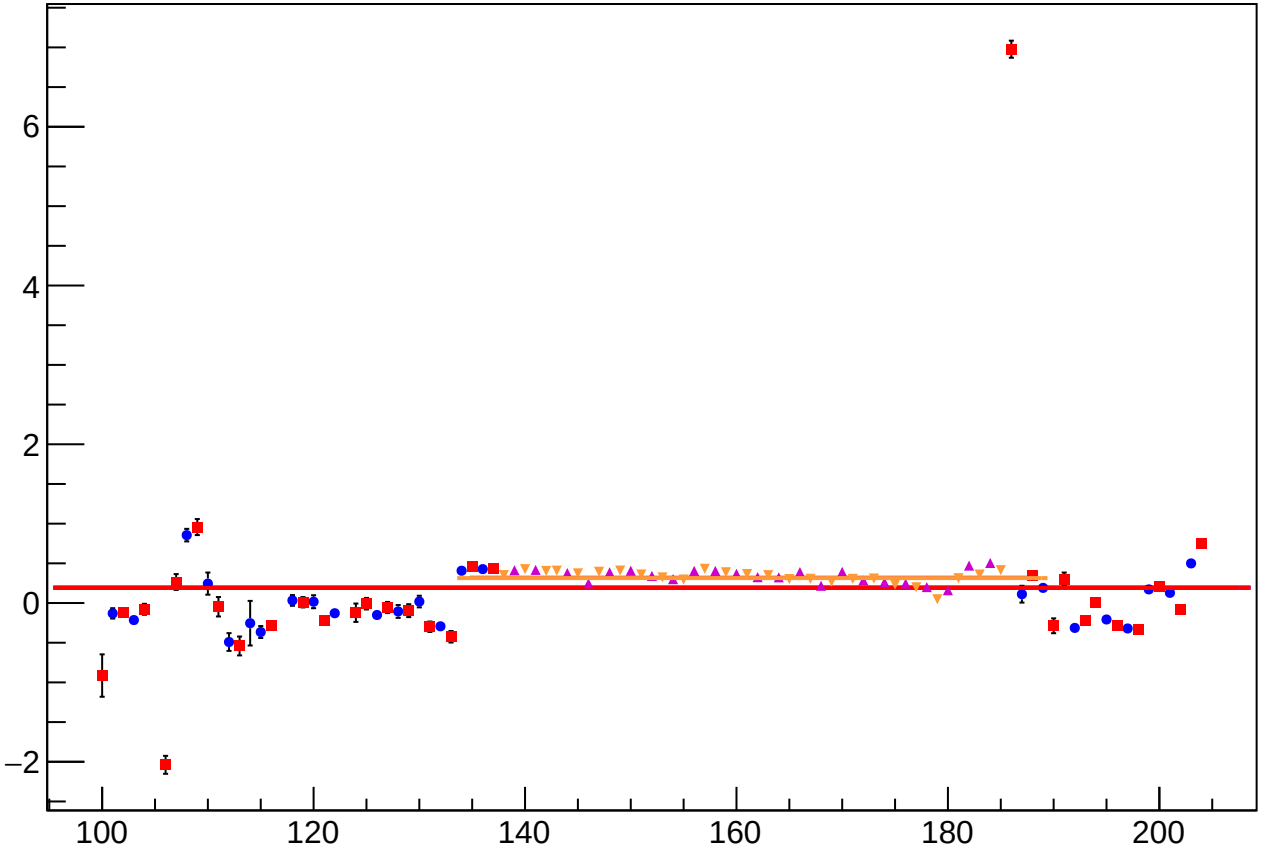
Right: -1.225+/-0.142 χ^2/NDF: 10144.5/53

In: 8.527+/-0.046 χ^2/NDF:12680.2/46

Out: 8.262+/-0.045 χ^2/NDF:14932.9/54

All: 8.393+/-0.032 χ^2/NDF: 27630.2/101

reg_asym_sam_1526_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.196+/-0.010 χ^2/NDF: 948.5/23

Left Out: 0.314+/-0.002 χ^2/NDF:1602.1/24

Right Out: 0.190+/-0.010 χ^2/NDF: 5437.0/29

Left In: 0.319+/-0.002 χ^2/NDF:1787.8/22

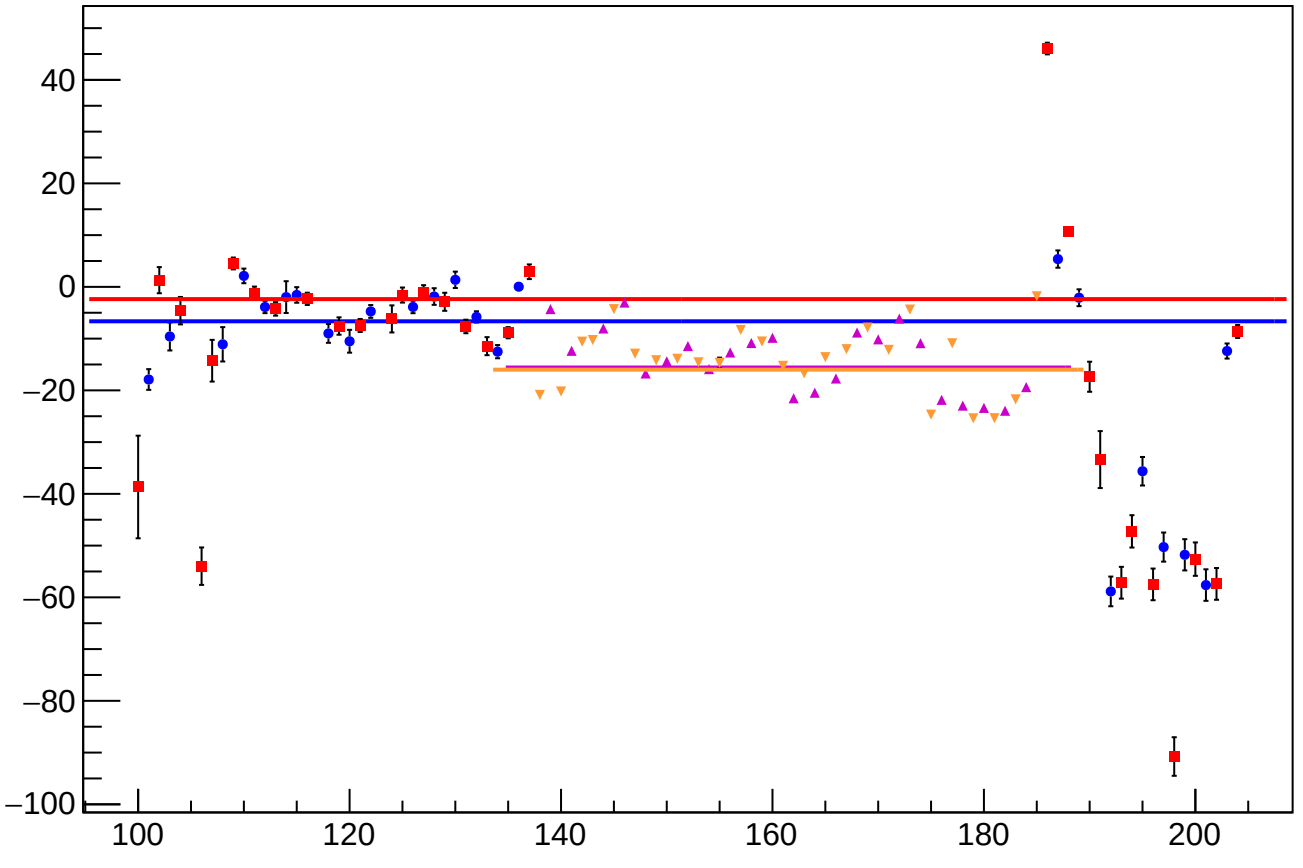
Left: 0.316+/-0.001 χ^2/NDF: 3392.4/47

Right: 0.193+/-0.007 χ^2/NDF: 6385.7/53

In: 0.313+/-0.002 χ^2/NDF:2886.6/46

Out: 0.309+/-0.002 χ^2/NDF:7174.8/54

All: 0.311+/-0.001 χ^2/NDF: 10063.2/101



Right In: -6.654+/-0.314 χ^2/NDF: 1512.0/23

Left Out: -16.000+/-0.099 χ^2/NDF:5962.8/24

Right Out: -2.363+/-0.298 χ^2/NDF: 4495.9/29

Left In: -15.582+/-0.102 χ^2/NDF:4759.9/22

Left: -15.797+/-0.071 χ^2/NDF: 10731.3/47

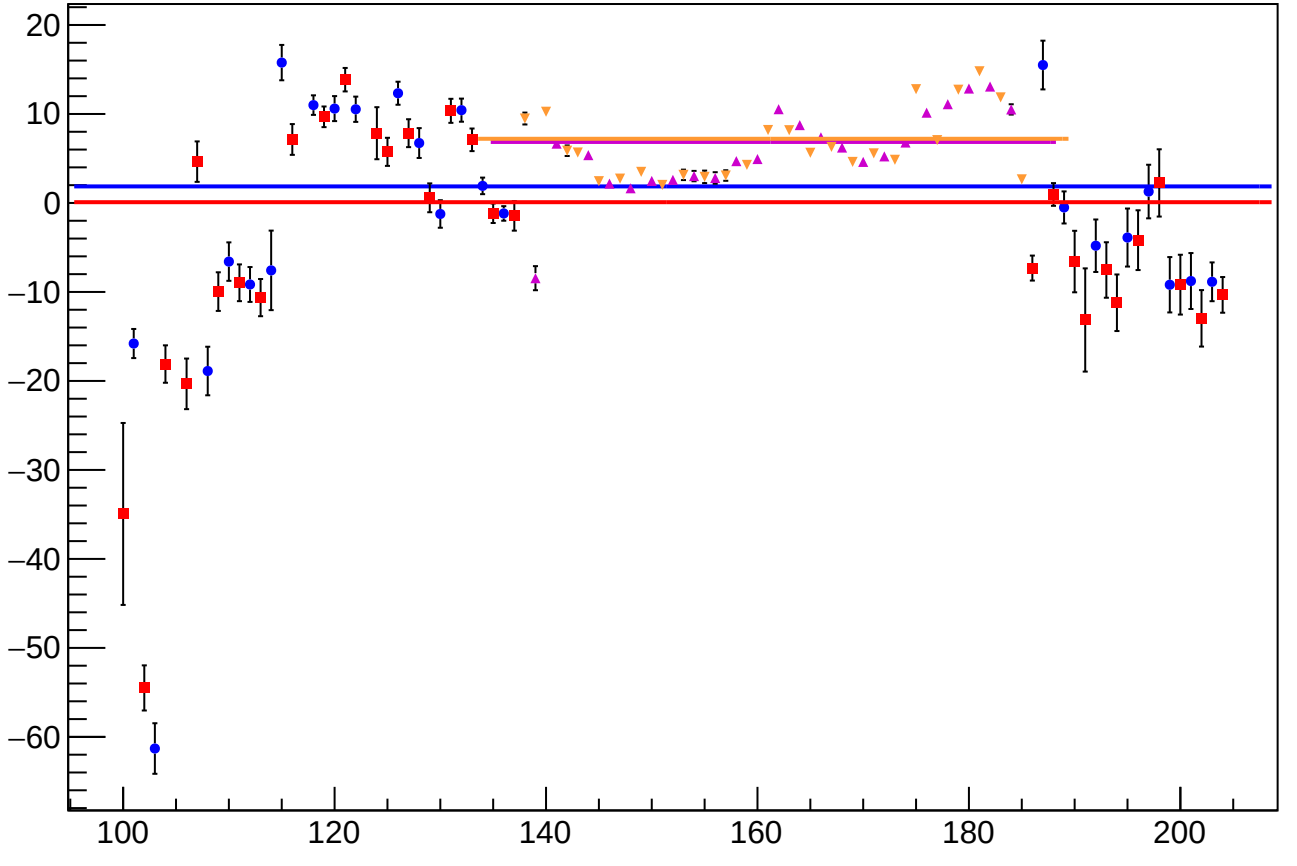
Right: -4.400+/-0.216 χ^2/NDF: 6106.1/53

In: -14.729+/-0.097 χ^2/NDF:7004.0/46

Out: -14.638+/-0.094 χ^2/NDF:12339.6/54

All: -14.682+/-0.068 χ^2/NDF: 19344.1/101

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.860+/-0.333 χ^2/NDF: 1132.7/23

Left Out: 7.212+/-0.080 χ^2/NDF:2455.9/24

Right Out: 0.087+/-0.338 χ^2/NDF: 1110.4/29

Left In: 6.856+/-0.081 χ^2/NDF:2156.4/22

Left: 7.036+/-0.057 χ^2/NDF: 4622.1/47

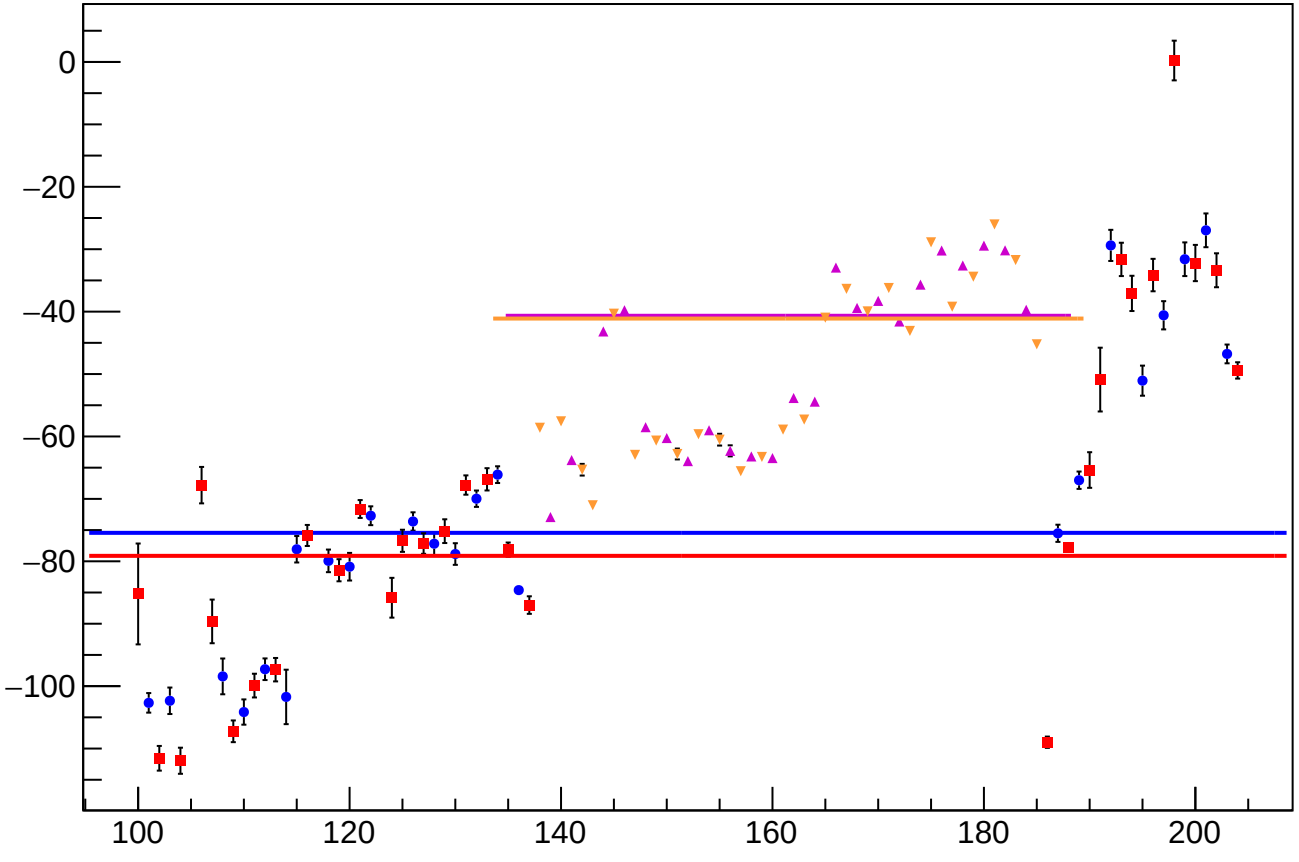
Right: 0.988+/-0.237 χ^2/NDF: 2257.0/53

In: 6.576+/-0.079 χ^2/NDF:3501.8/46

Out: 6.834+/-0.078 χ^2/NDF:3986.5/54

All: 6.706+/-0.055 χ^2/NDF: 7493.8/101

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -75.441+/-0.332 χ^2/NDF: 2846.7/23

Left Out: -41.111+/-0.100 χ^2/NDF:16000.8/24

Right Out: -79.127+/-0.310 χ^2/NDF: 4859.6/29

Left In: -40.665+/-0.102 χ^2/NDF:13541.3/22

Left: -40.893+/-0.071 χ^2/NDF: 29551.8/47

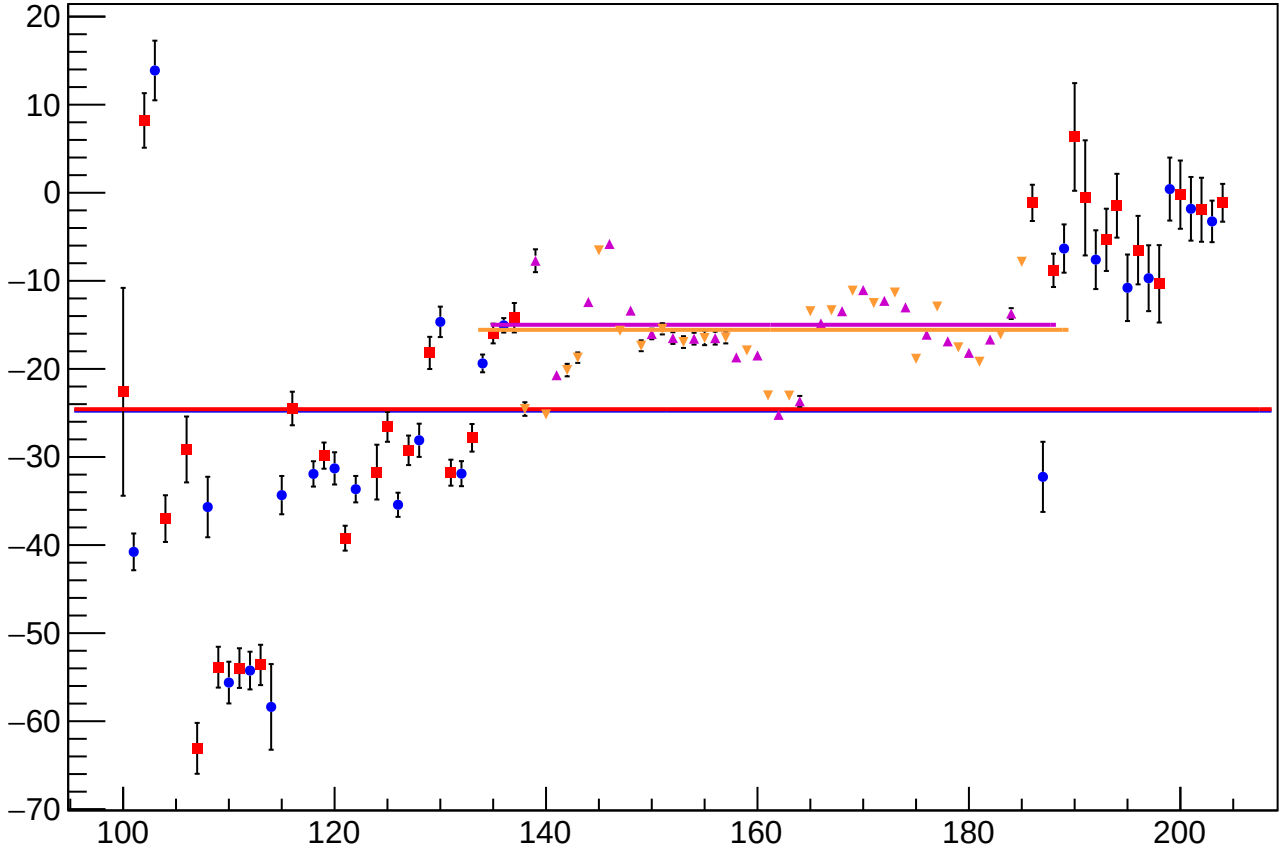
Right: -77.413+/-0.227 χ^2/NDF: 7772.2/53

In: -43.673+/-0.098 χ^2/NDF:26399.9/46

Out: -44.701+/-0.095 χ^2/NDF:34507.9/54

All: -44.201+/-0.068 χ^2/NDF: 60964.5/101

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -24.738+/-0.374 χ^2/NDF: 1268.1/23

Left Out: -15.562+/-0.089 χ^2/NDF:2549.5/24

Right Out: -24.575+/-0.390 χ^2/NDF: 1614.4/29

Left In: -14.990+/-0.090 χ^2/NDF:2150.9/22

Left: -15.281+/-0.063 χ^2/NDF: 4720.8/47

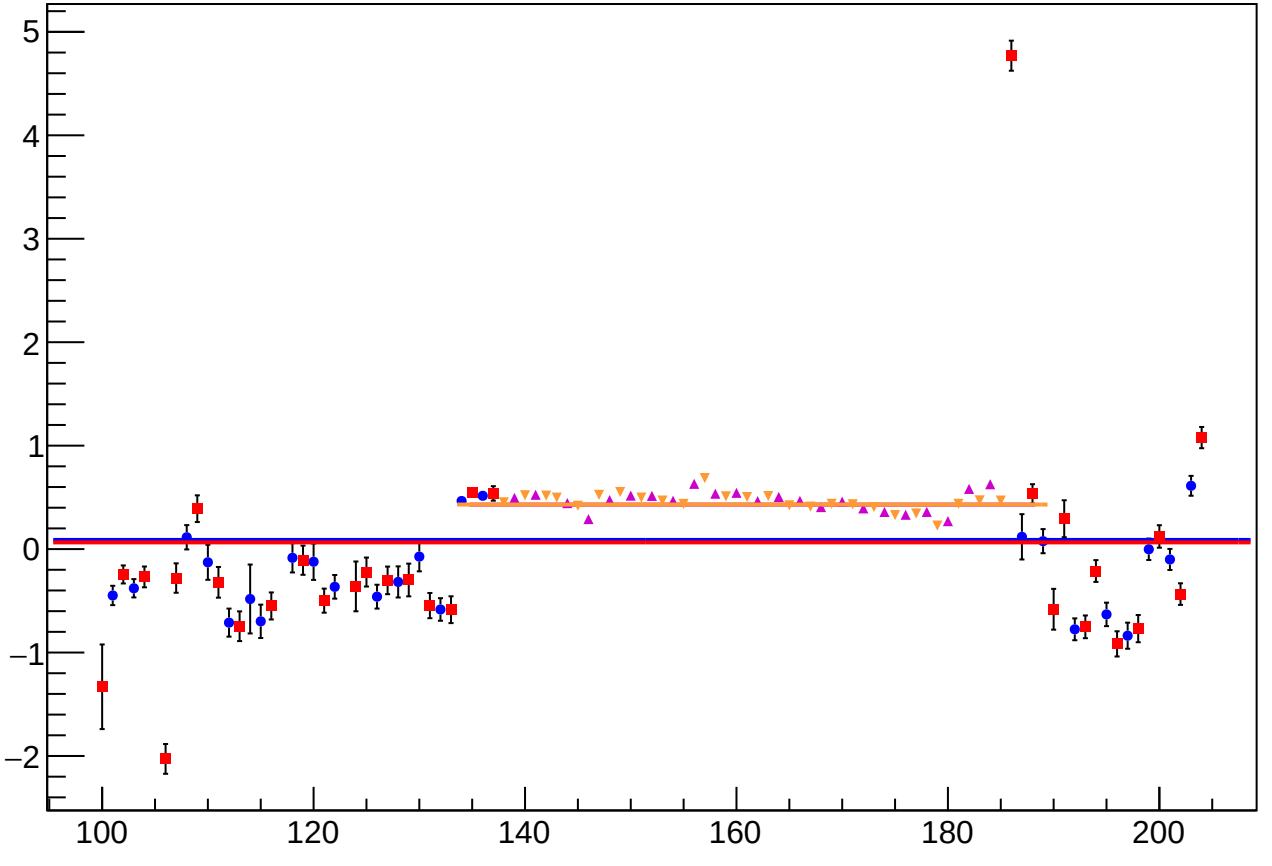
Right: -24.660+/-0.270 χ^2/NDF: 2882.6/53

In: -15.527+/-0.088 χ^2/NDF:4061.1/46

Out: -16.007+/-0.087 χ^2/NDF:4671.9/54

All: -15.770+/-0.062 χ^2/NDF: 8748.3/101

reg_asym_sam_3726_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.089+/-0.019 χ^2/NDF: 629.5/23

Left Out: 0.431+/-0.004 χ^2/NDF:418.4/24

Right Out: 0.065+/-0.020 χ^2/NDF: 1954.9/29

Left In: 0.430+/-0.004 χ^2/NDF:583.6/22

Left: 0.430+/-0.003 χ^2/NDF: 1002.0/47

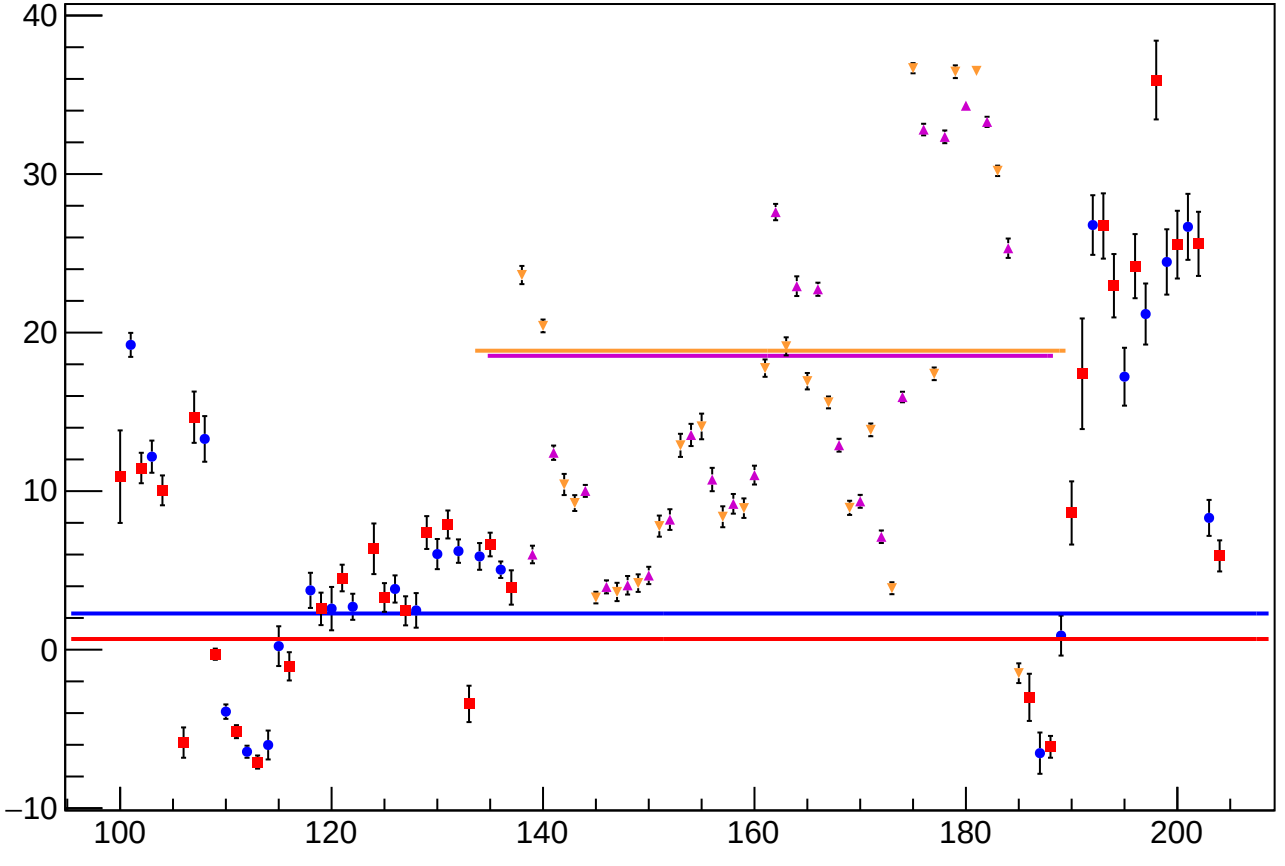
Right: 0.078+/-0.014 χ^2/NDF: 2585.2/53

In: 0.415+/-0.004 χ^2/NDF:1525.8/46

Out: 0.417+/-0.004 χ^2/NDF:2691.2/54

All: 0.416+/-0.003 χ^2/NDF: 4217.1/101

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 2.282+/-0.174 χ^2/NDF: 2205.9/23

Left Out: 18.858+/-0.090 χ^2/NDF:18374.1/24

Right Out: 0.673+/-0.156 χ^2/NDF: 2248.1/29

Left In: 18.535+/-0.093 χ^2/NDF:14066.0/22

Left: 18.701+/-0.065 χ^2/NDF: 32446.3/47

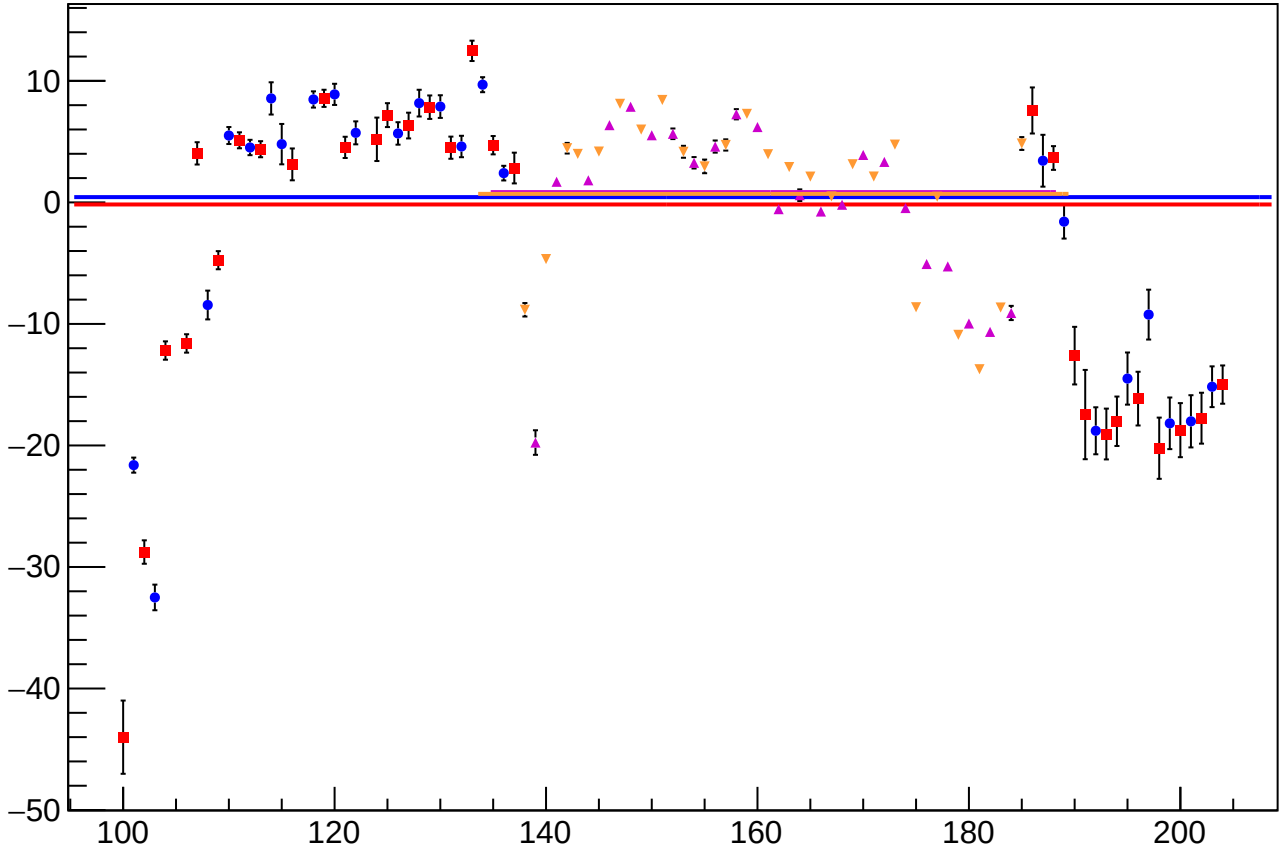
Right: 1.393+/-0.116 χ^2/NDF: 4501.5/53

In: 14.900+/-0.082 χ^2/NDF:23068.7/46

Out: 14.295+/-0.078 χ^2/NDF:30773.4/54

All: 14.583+/-0.057 χ^2/NDF: 53870.4/101

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.435+/-0.195 χ^2/NDF: 3516.3/23

Left Out: 0.702+/-0.071 χ^2/NDF:8237.8/24

Right Out: -0.170+/-0.190 χ^2/NDF: 2989.6/29

Left In: 0.847+/-0.072 χ^2/NDF:6045.4/22

Left: 0.773+/-0.051 χ^2/NDF: 14285.2/47

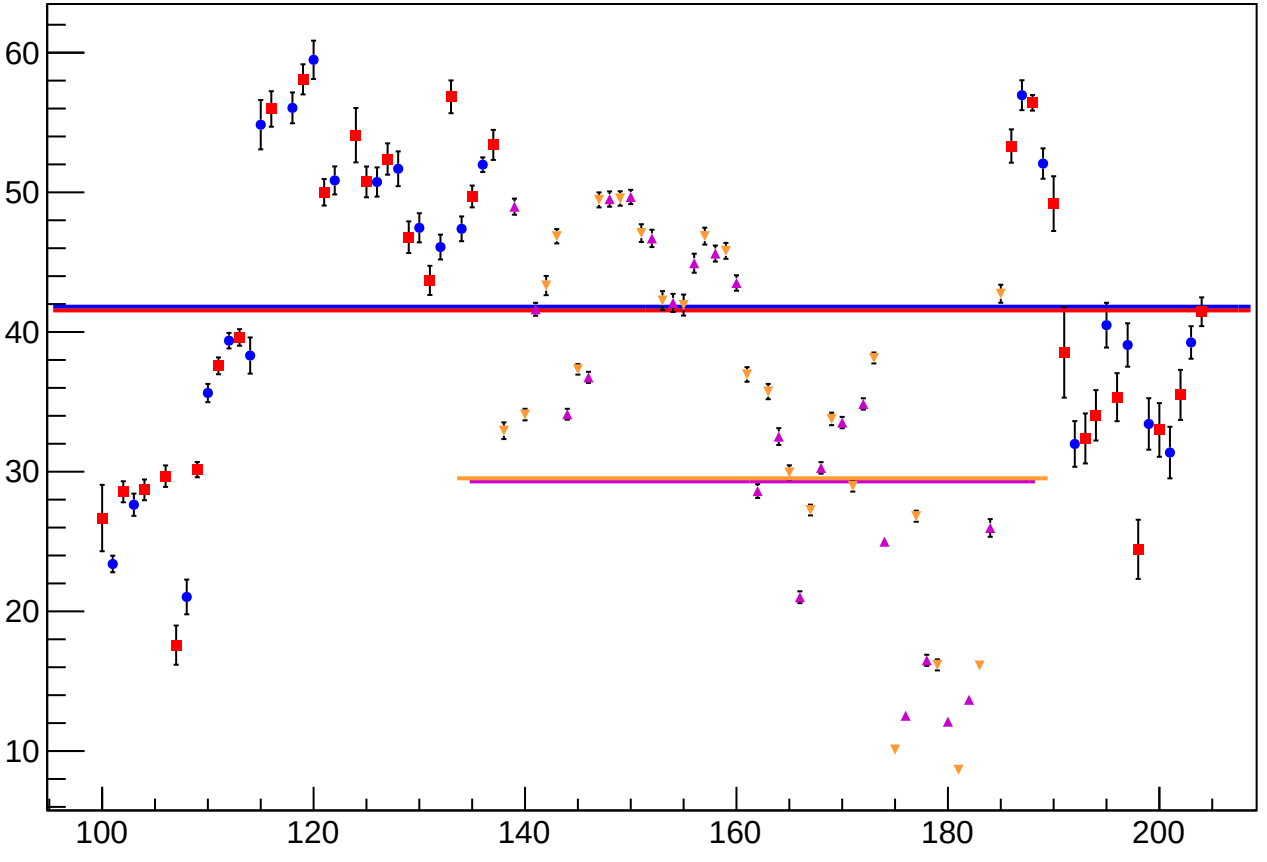
Right: 0.125+/-0.136 χ^2/NDF: 6510.8/53

In: 0.797+/-0.068 χ^2/NDF:9565.6/46

Out: 0.596+/-0.066 χ^2/NDF:11245.9/54

All: 0.694+/-0.047 χ^2/NDF: 20816.0/101

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 41.812+/-0.193 χ^2/NDF: 3136.0/23

Left Out: 29.526+/-0.091 χ^2/NDF:21083.7/24

Right Out: 41.545+/-0.179 χ^2/NDF: 3711.3/29

Left In: 29.306+/-0.093 χ^2/NDF:17870.3/22

Left: 29.419+/-0.065 χ^2/NDF: 38956.9/47

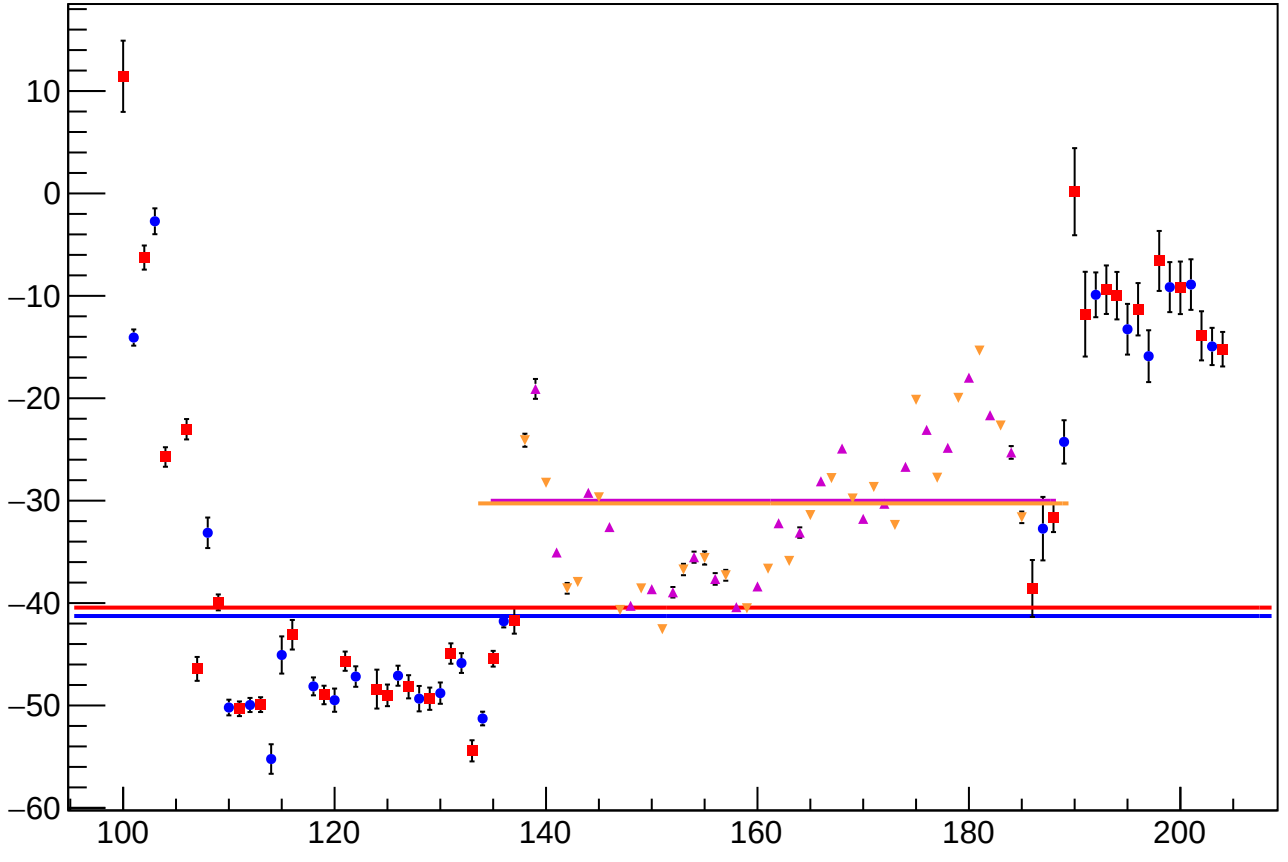
Right: 41.668+/-0.131 χ^2/NDF: 6848.3/53

In: 31.660+/-0.084 χ^2/NDF:24403.5/46

Out: 31.982+/-0.081 χ^2/NDF:28392.2/54

All: 31.827+/-0.058 χ^2/NDF: 52803.3/101

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -41.264+/-0.221 χ^2/NDF: 4123.3/23

Left Out: -30.268+/-0.079 χ^2/NDF:8500.0/24

Right Out: -40.443+/-0.218 χ^2/NDF: 3845.2/29

Left In: -30.012+/-0.081 χ^2/NDF:6083.1/22

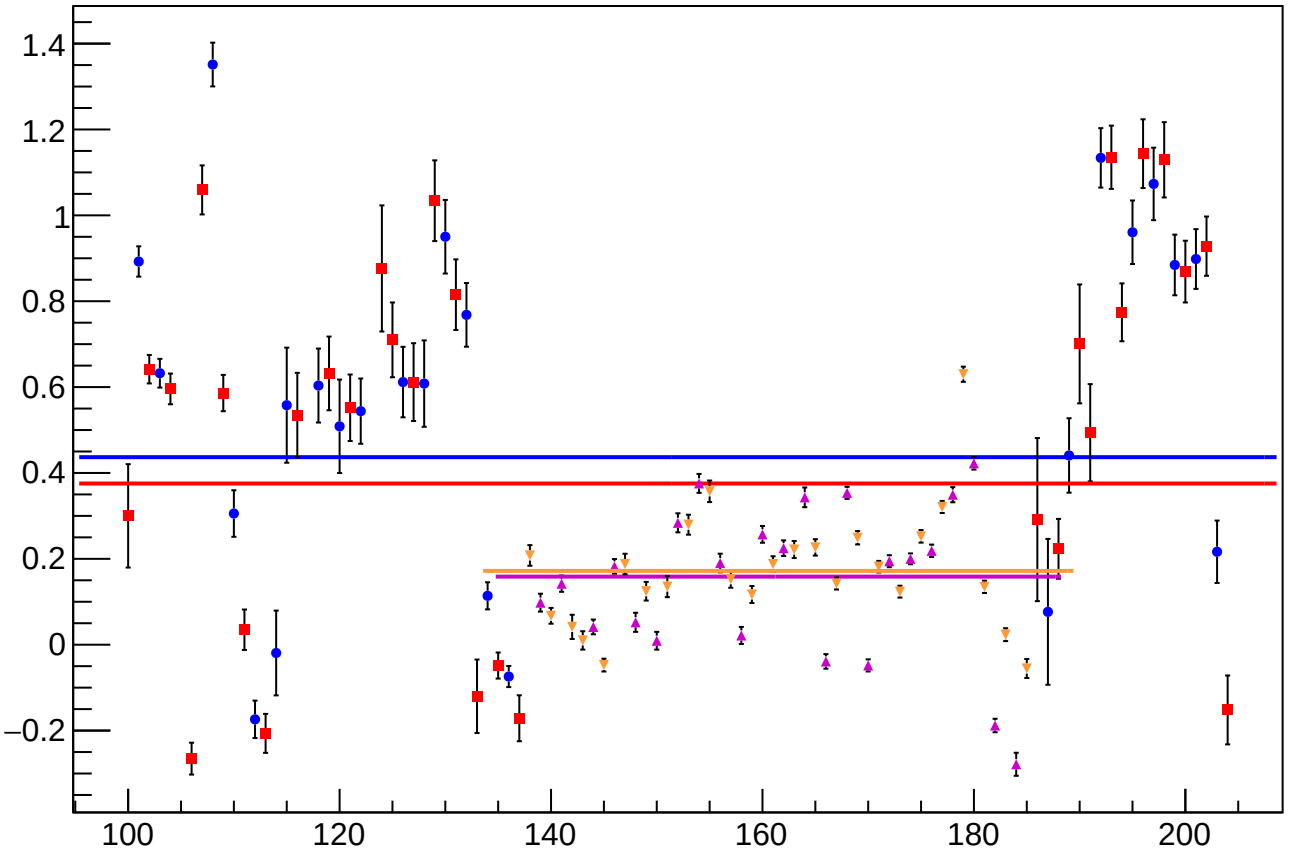
Left: -30.143+/-0.057 χ^2/NDF: 14588.2/47

Right: -40.848+/-0.155 χ^2/NDF: 7975.6/53

In: -31.355+/-0.076 χ^2/NDF:12492.8/46

Out: -31.459+/-0.074 χ^2/NDF:14273.9/54

All: -31.408+/-0.053 χ^2/NDF: 26767.6/101



Right In: 0.437+/-0.011 χ^2/NDF: 1658.8/23

Left Out: 0.172+/-0.004 χ^2/NDF:1501.3/24

Right Out: 0.375+/-0.011 χ^2/NDF: 1719.8/29

Left In: 0.159+/-0.004 χ^2/NDF:2187.4/22

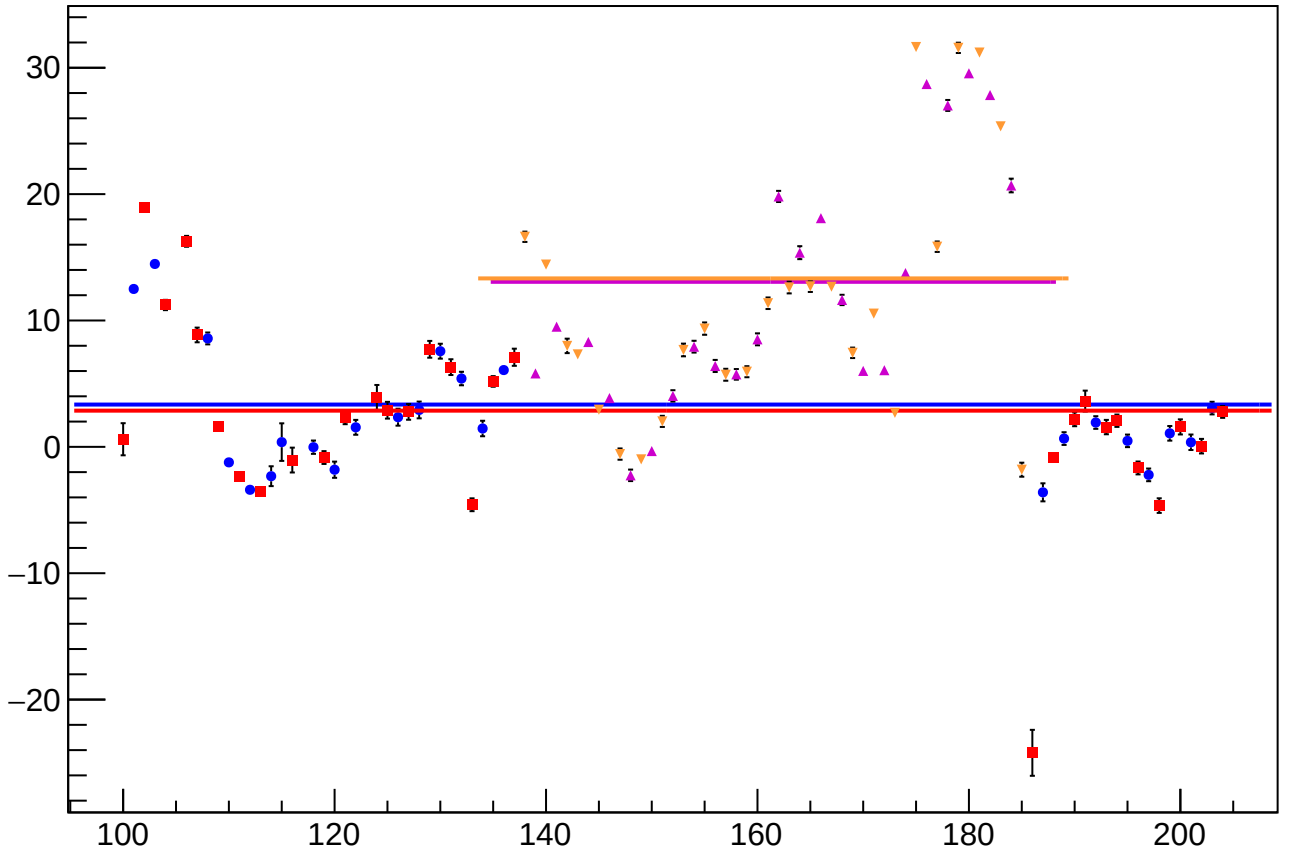
Left: 0.165+/-0.003 χ^2/NDF: 3695.7/47

Right: 0.405+/-0.008 χ^2/NDF: 3394.1/53

In: 0.185+/-0.003 χ^2/NDF:4407.1/46

Out: 0.192+/-0.003 χ^2/NDF:3537.0/54

All: 0.188+/-0.002 χ^2/NDF: 7945.8/101



Right In: 3.347+/-0.100 χ^2/NDF: 3035.6/23

Left Out: 13.331+/-0.077 χ^2/NDF:19432.7/24

Right Out: 2.865+/-0.088 χ^2/NDF: 5106.1/29

Left In: 13.061+/-0.079 χ^2/NDF:15559.8/22

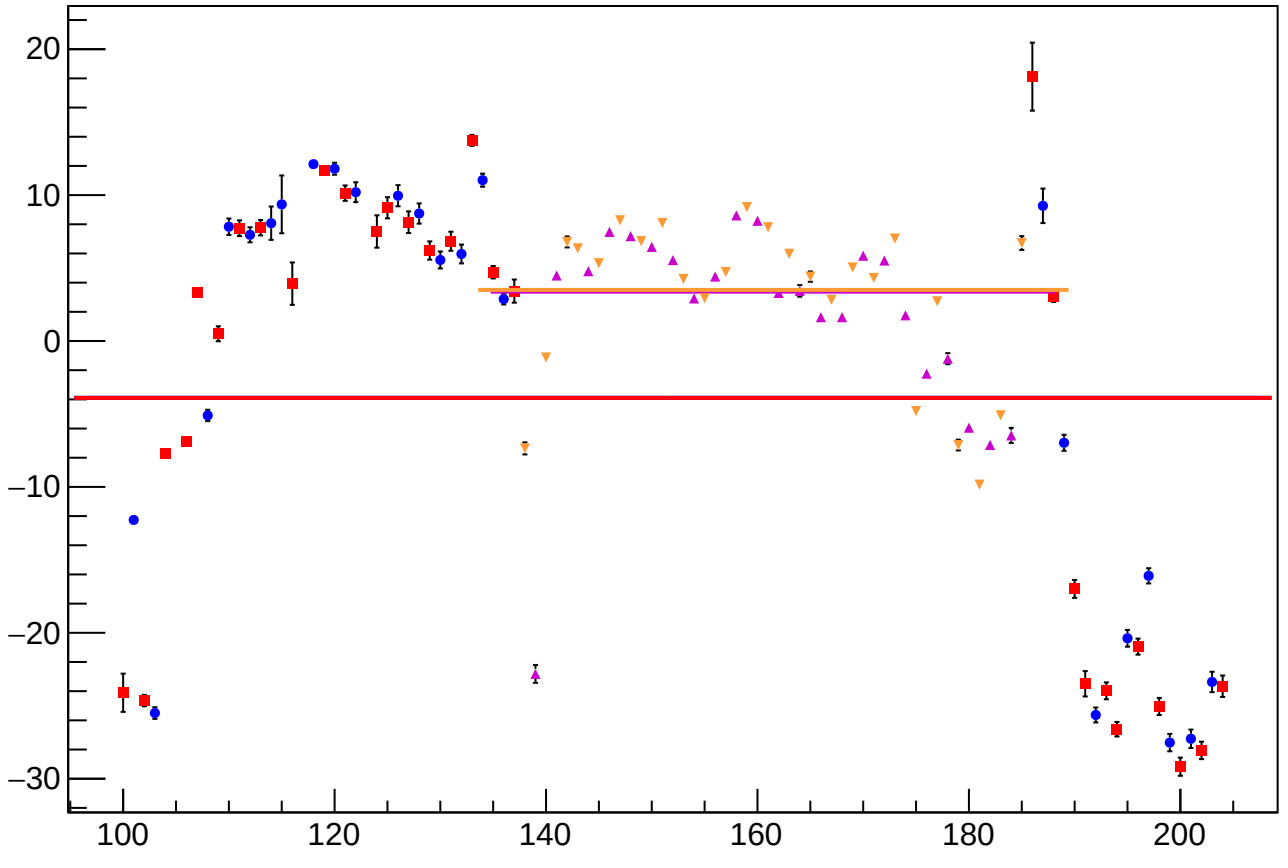
Left: 13.200+/-0.055 χ^2/NDF: 34998.5/47

Right: 3.077+/-0.066 χ^2/NDF: 8154.9/53

In: 9.294+/-0.062 χ^2/NDF:24411.8/46

Out: 8.818+/-0.058 χ^2/NDF:32552.3/54

All: 9.039+/-0.042 χ^2/NDF: 56995.5/101



Right In: -3.892+/-0.102 χ^2/NDF: 19062.5/23

Left Out: 3.502+/-0.059 χ^2/NDF:7911.7/24

Right Out: -3.900+/-0.094 χ^2/NDF: 22694.5/29

Left In: 3.385+/-0.061 χ^2/NDF:6707.6/22

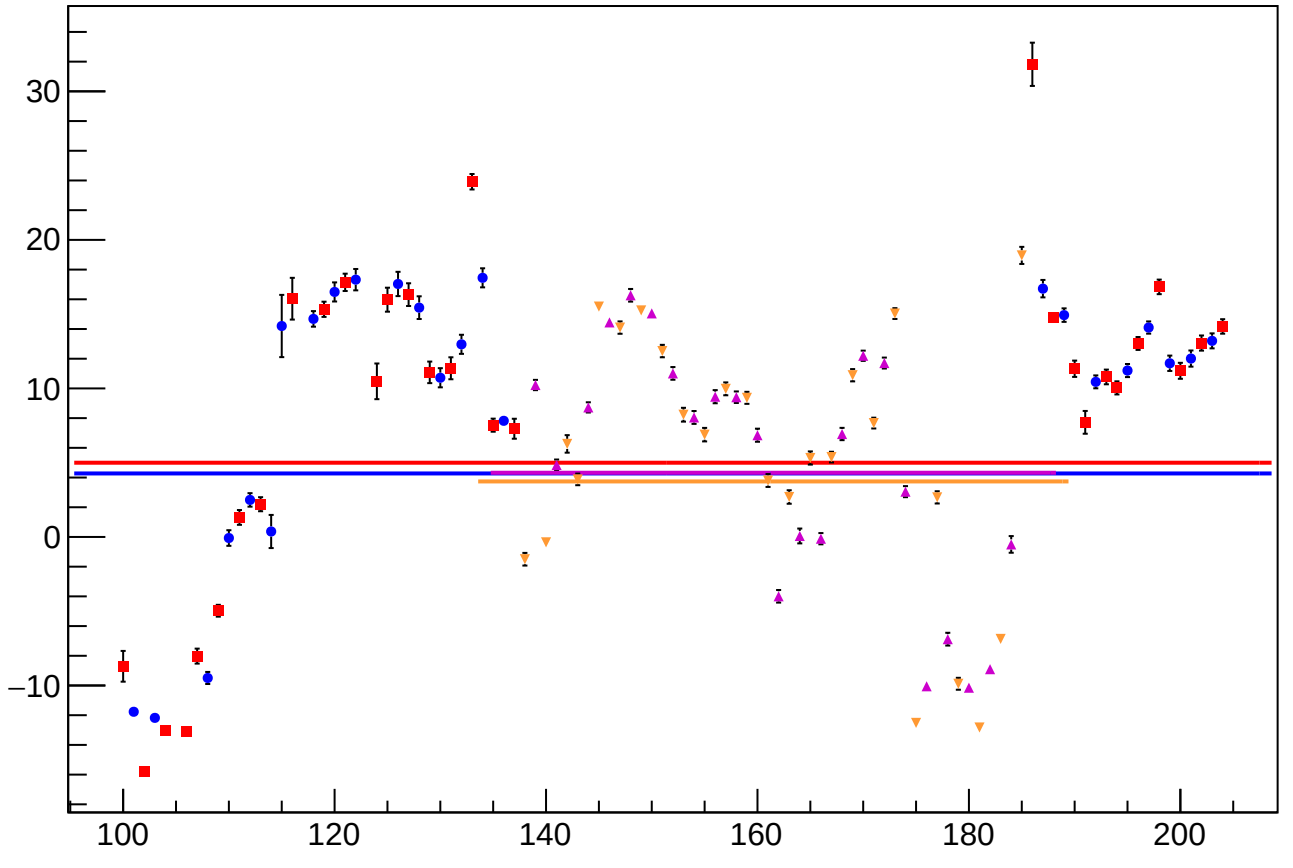
Left: 3.446+/-0.042 χ^2/NDF: 14621.2/47

Right: -3.896+/-0.069 χ^2/NDF: 41757.0/53

In: 1.465+/-0.052 χ^2/NDF:29524.1/46

Out: 1.438+/-0.050 χ^2/NDF:35061.0/54

All: 1.451+/-0.036 χ^2/NDF: 64585.3/101



Right In: 4.275+/-0.097 χ^2/NDF: 13317.0/23

Left Out: 3.738+/-0.076 χ^2/NDF:15586.7/24

Right Out: 4.998+/-0.086 χ^2/NDF: 19912.8/29

Left In: 4.322+/-0.079 χ^2/NDF:12483.3/22

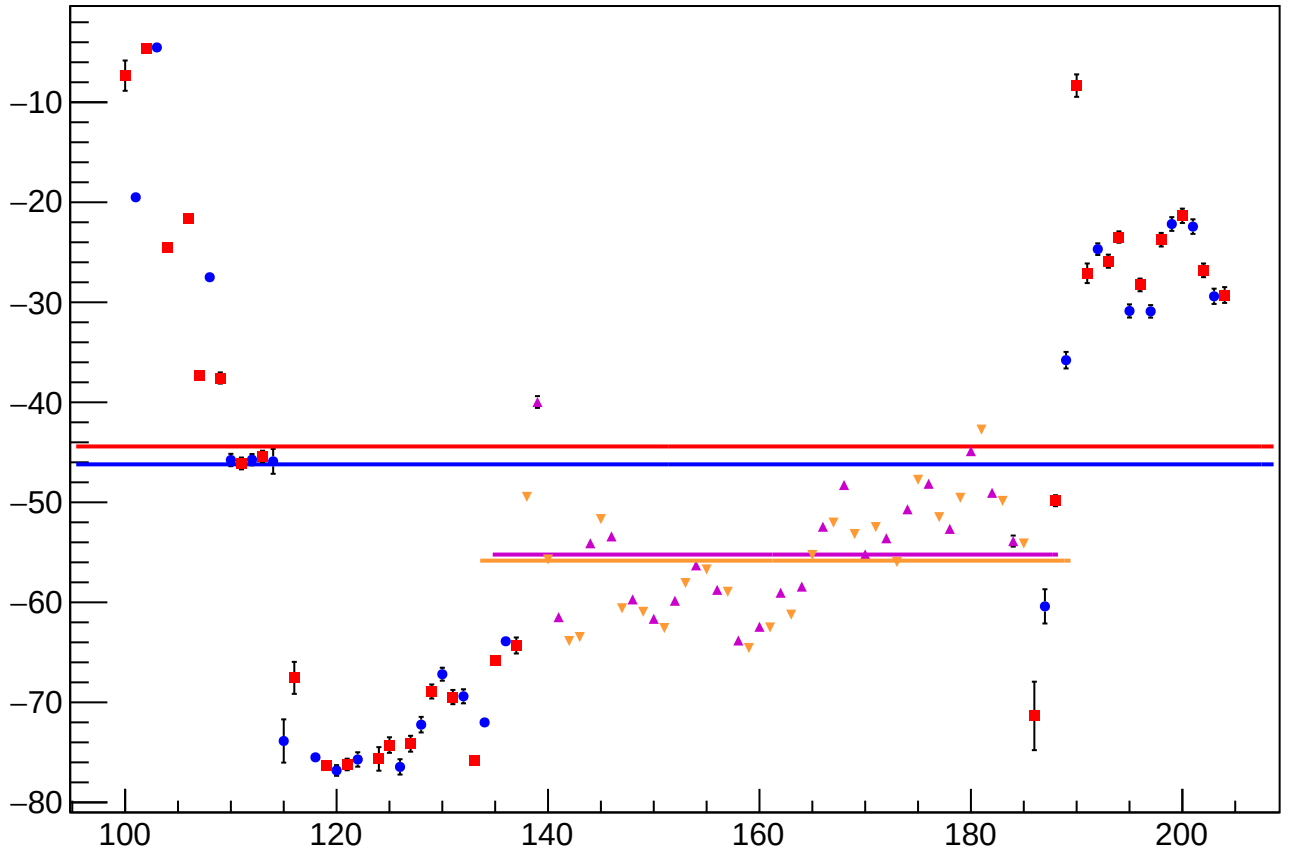
Left: 4.022+/-0.055 χ^2/NDF: 28098.5/47

Right: 4.680+/-0.065 χ^2/NDF: 33260.5/53

In: 4.304+/-0.061 χ^2/NDF:25800.4/46

Out: 4.291+/-0.057 χ^2/NDF:35618.9/54

All: 4.297+/-0.042 χ^2/NDF: 61419.3/101



Right In: -46.203+/-0.120 χ^2/NDF: 40666.9/23

Left Out: -55.832+/-0.066 χ^2/NDF:7592.5/24

Right Out: -44.414+/-0.112 χ^2/NDF: 43013.7/29

Left In: -55.222+/-0.069 χ^2/NDF:6343.0/22

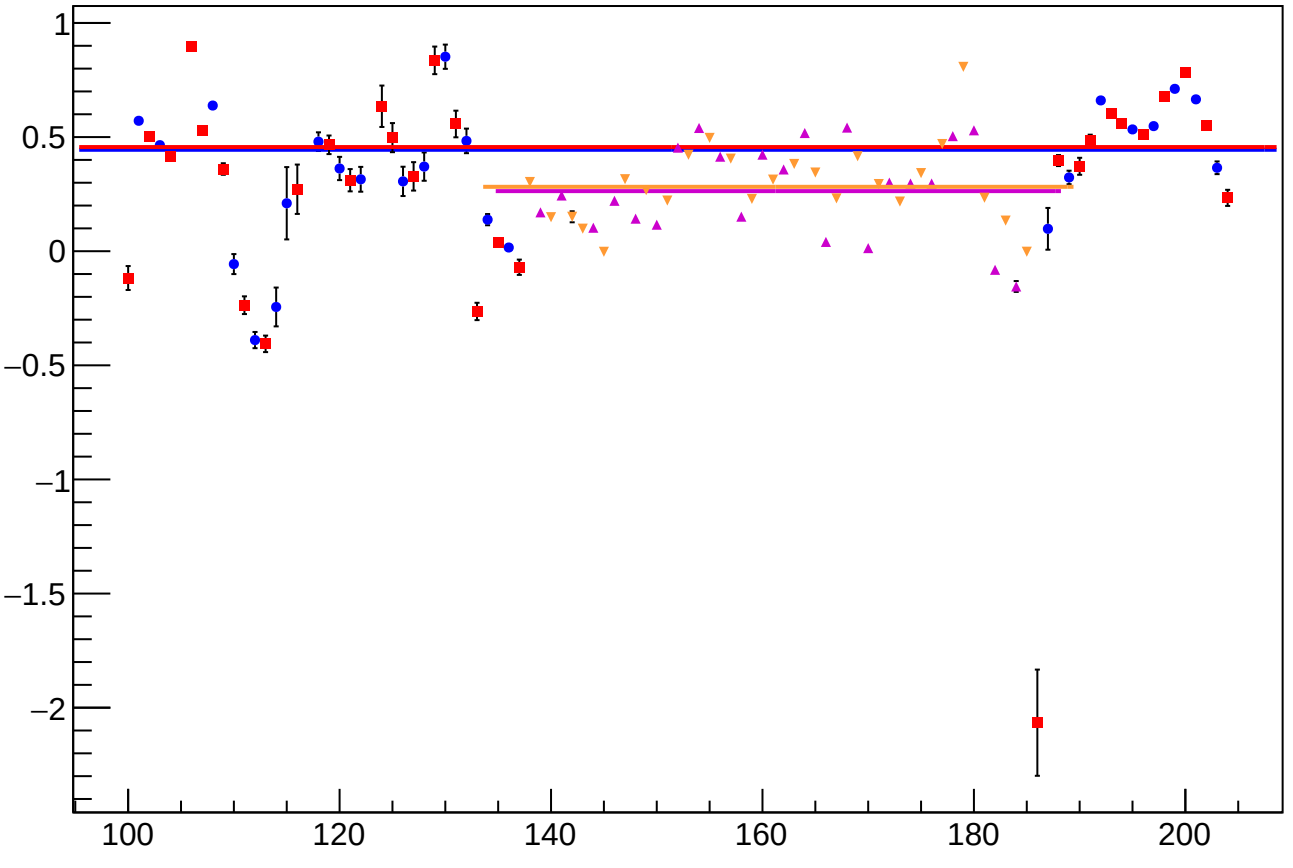
Left: -55.538+/-0.048 χ^2/NDF: 13976.2/47

Right: -45.248+/-0.082 χ^2/NDF: 83799.5/53

In: -52.991+/-0.060 χ^2/NDF:51272.9/46

Out: -52.870+/-0.057 χ^2/NDF:58290.6/54

All: -52.928+/-0.041 χ^2/NDF: 109565.6/101



Right In: 0.444+/-0.005 χ^2/NDF: 2555.4/23

Left Out: 0.282+/-0.003 χ^2/NDF:2712.4/24

Right Out: 0.456+/-0.005 χ^2/NDF: 3627.7/29

Left In: 0.263+/-0.003 χ^2/NDF:3835.8/22

Left: 0.273+/-0.002 χ^2/NDF: 6568.0/47

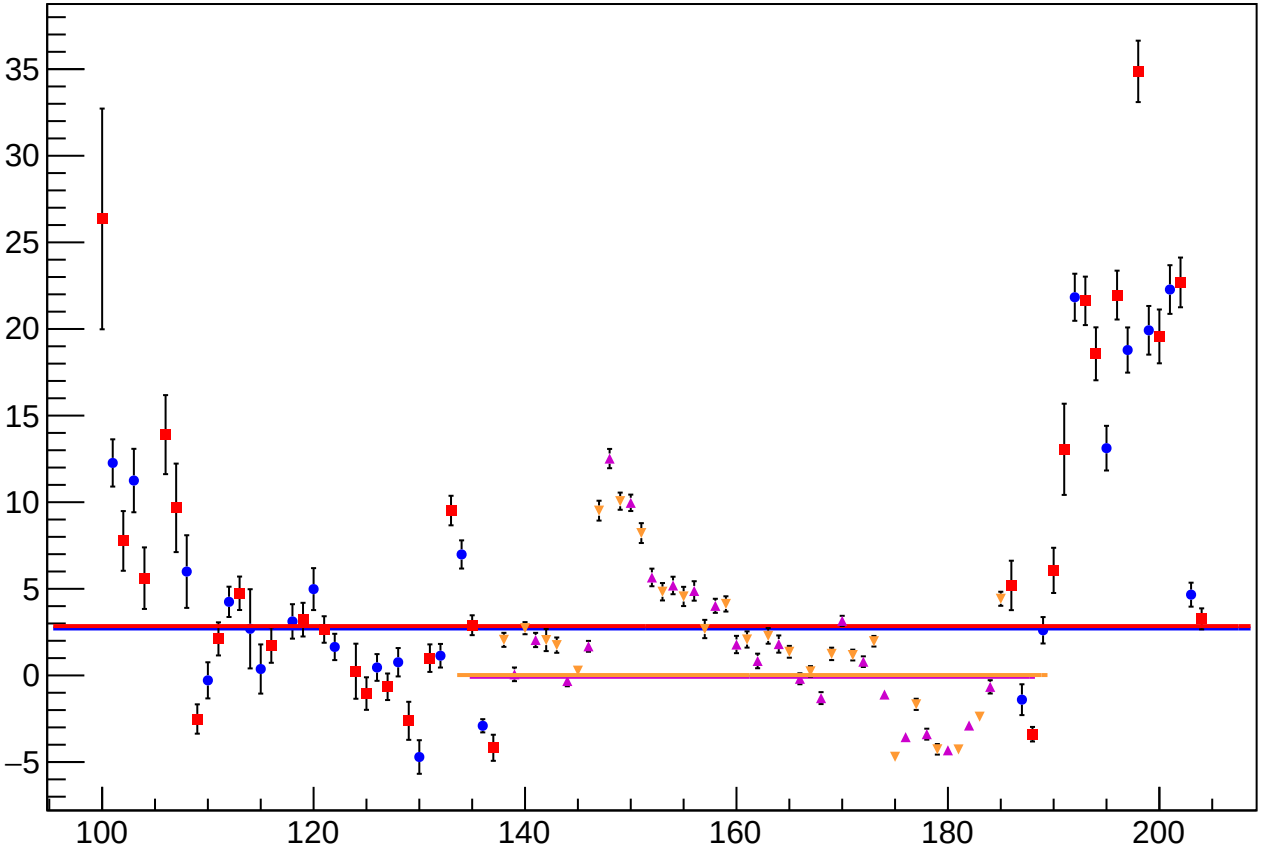
Right: 0.451+/-0.003 χ^2/NDF: 6186.1/53

In: 0.312+/-0.003 χ^2/NDF:7355.4/46

Out: 0.334+/-0.002 χ^2/NDF:7352.8/54

All: 0.323+/-0.002 χ^2/NDF: 14744.0/101

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 2.710+/-0.183 χ^2/NDF: 1203.7/23

Left Out: 0.022+/-0.069 χ^2/NDF:2759.3/24

Right Out: 2.848+/-0.176 χ^2/NDF: 1668.0/29

Left In: -0.080+/-0.071 χ^2/NDF:2464.5/22

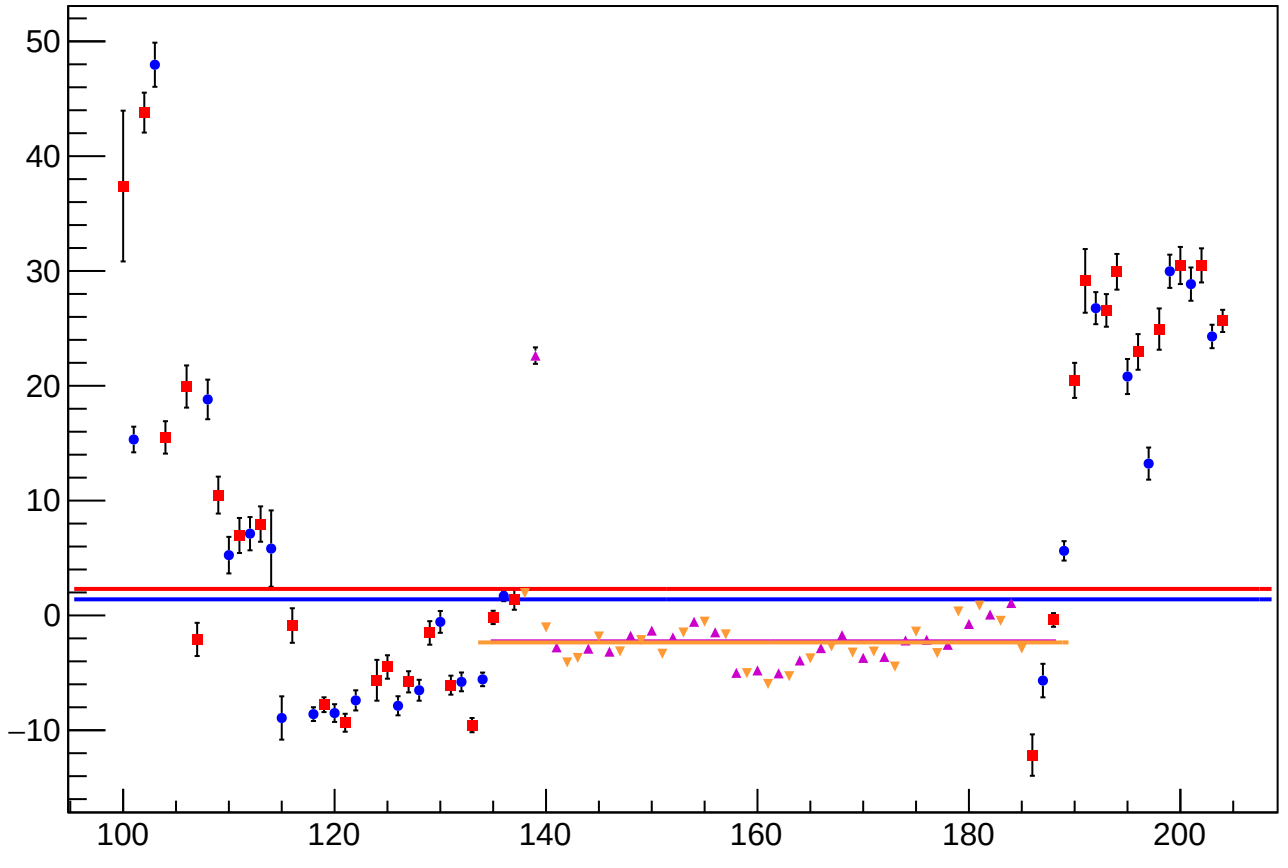
Left: -0.027+/-0.049 χ^2/NDF: 5224.9/47

Right: 2.782+/-0.127 χ^2/NDF: 2872.0/53

In: 0.284+/-0.066 χ^2/NDF:3871.1/46

Out: 0.396+/-0.064 χ^2/NDF:4652.1/54

All: 0.341+/-0.046 χ^2/NDF: 8524.7/101



Right In: 1.400+/-0.193 χ^2/NDF: 3722.3/23

Left Out: -2.352+/-0.055 χ^2/NDF:1125.6/24

Right Out: 2.308+/-0.195 χ^2/NDF: 4460.3/29

Left In: -2.257+/-0.056 χ^2/NDF:1877.2/22

Left: -2.306+/-0.039 χ^2/NDF: 3004.4/47

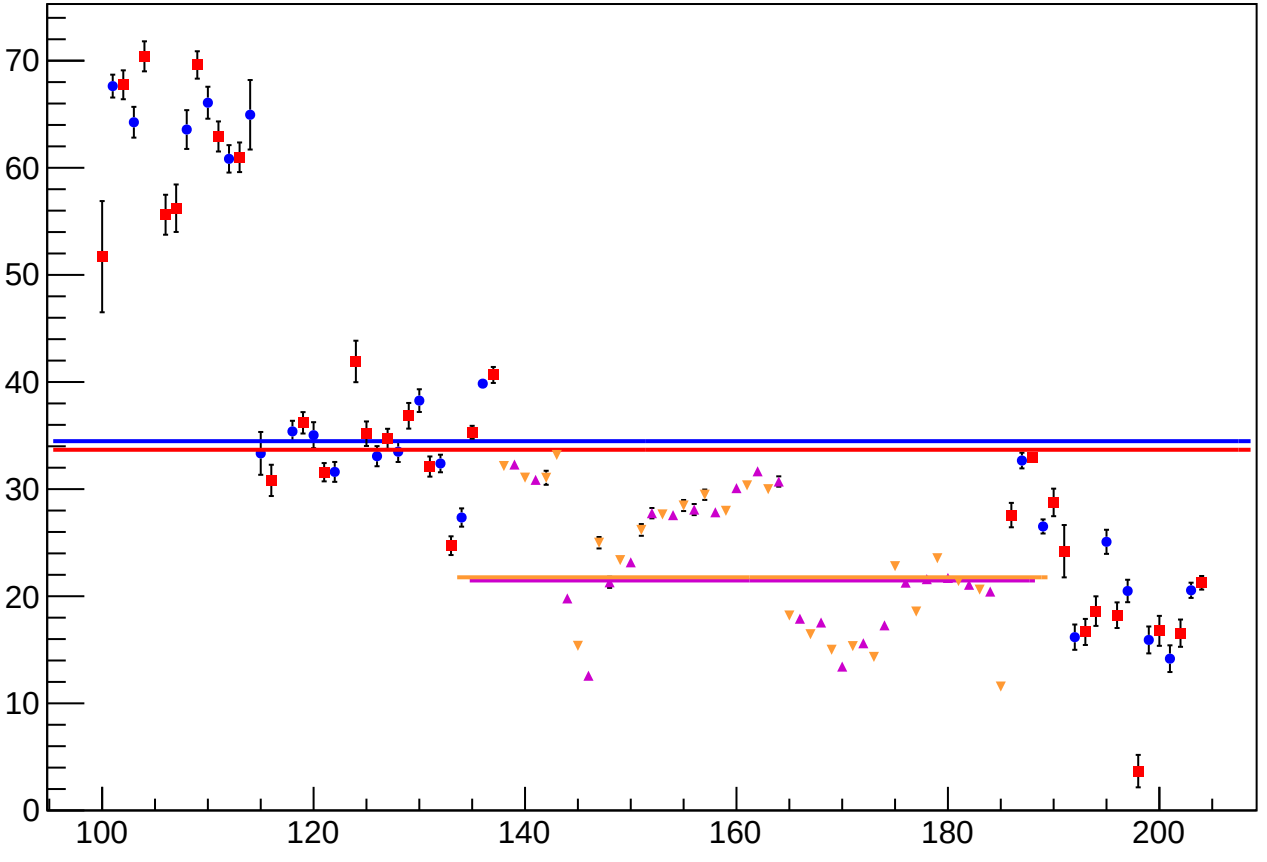
Right: 1.850+/-0.137 χ^2/NDF: 8193.5/53

In: -1.970+/-0.054 χ^2/NDF:5929.8/46

Out: -2.008+/-0.053 χ^2/NDF:6114.8/54

All: -1.989+/-0.038 χ^2/NDF: 12044.9/101

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 34.478+/-0.187 χ^2/NDF: 4417.0/23

Left Out: 21.768+/-0.069 χ^2/NDF:6814.2/24

Right Out: 33.674+/-0.176 χ^2/NDF: 5084.9/29

Left In: 21.472+/-0.071 χ^2/NDF:5787.4/22

Left: 21.623+/-0.049 χ^2/NDF: 12610.6/47

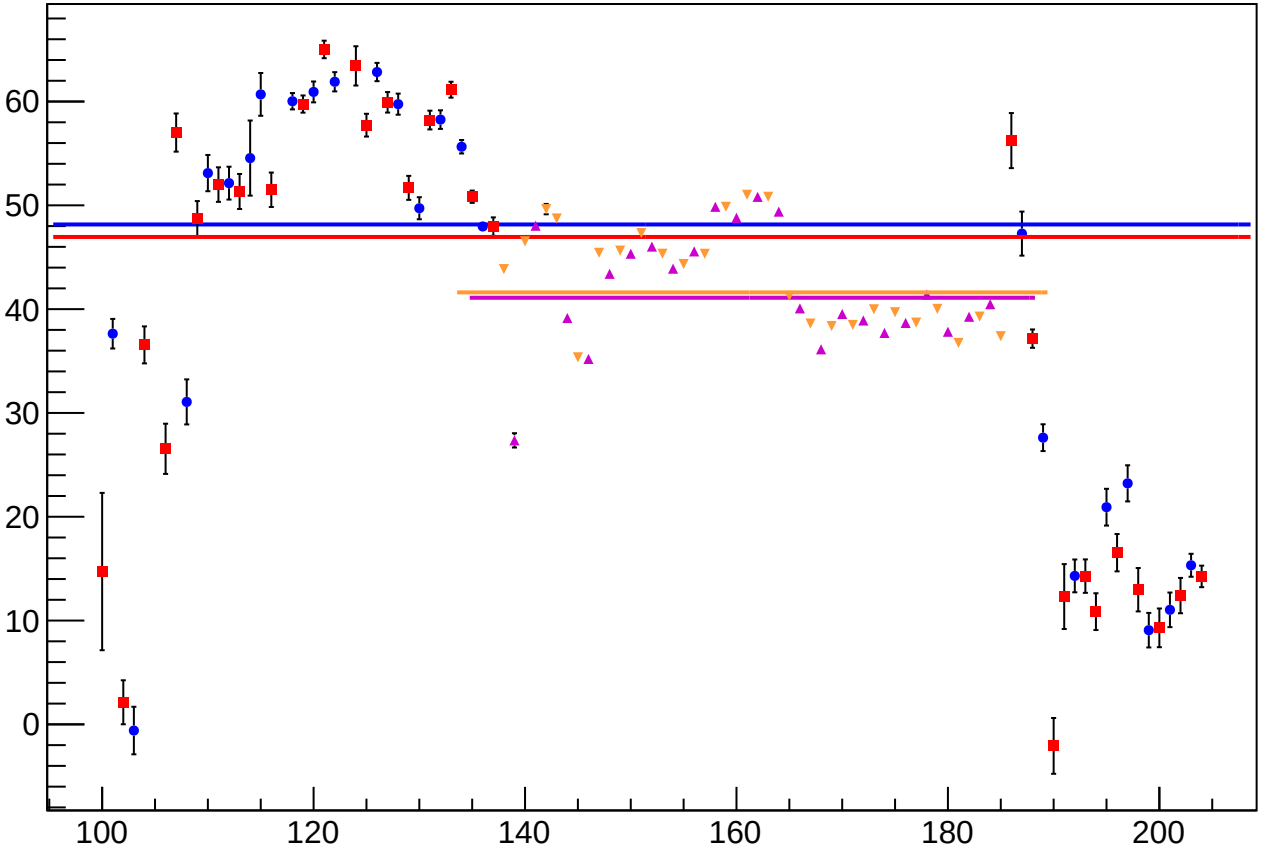
Right: 34.052+/-0.128 χ^2/NDF: 9511.6/53

In: 23.091+/-0.066 χ^2/NDF:14428.2/46

Out: 23.344+/-0.064 χ^2/NDF:15854.9/54

All: 23.221+/-0.046 χ^2/NDF: 30290.6/101

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 48.157+/-0.219 χ^2/NDF: 4986.2/23

Left Out: 41.613+/-0.061 χ^2/NDF:5776.0/24

Right Out: 46.954+/-0.225 χ^2/NDF: 6009.2/29

Left In: 41.098+/-0.063 χ^2/NDF:5478.0/22

Left: 41.361+/-0.044 χ^2/NDF: 11288.6/47

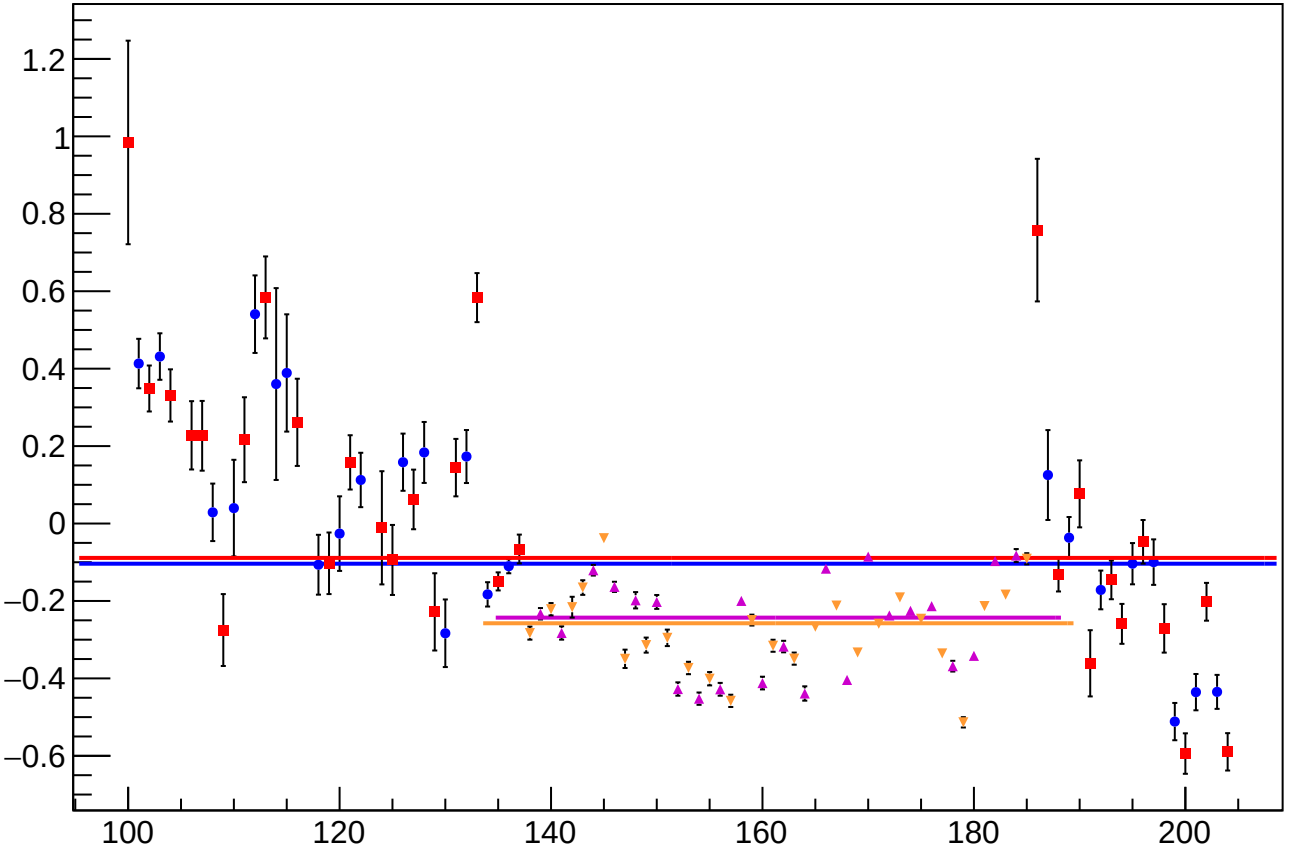
Right: 47.573+/-0.157 χ^2/NDF: 11010.1/53

In: 41.633+/-0.060 χ^2/NDF:11427.3/46

Out: 41.981+/-0.059 χ^2/NDF:12308.6/54

All: 41.810+/-0.042 χ^2/NDF: 23752.9/101

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.104+/-0.011 χ^2/NDF: 454.1/23

Left Out: -0.258+/-0.003 χ^2/NDF:1515.1/24

Right Out: -0.089+/-0.011 χ^2/NDF: 608.6/29

Left In: -0.243+/-0.003 χ^2/NDF:1811.8/22

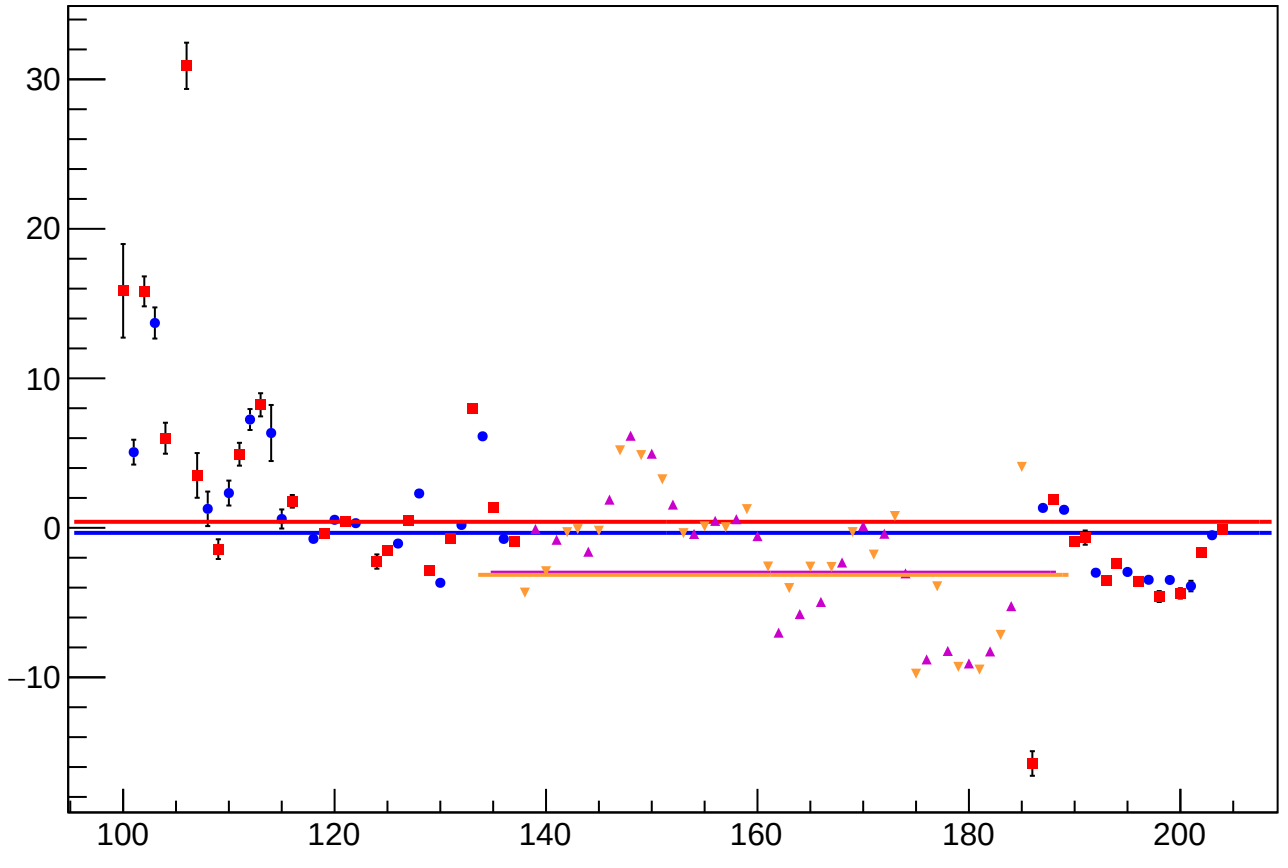
Left: -0.250+/-0.002 χ^2/NDF: 3340.9/47

Right: -0.097+/-0.008 χ^2/NDF: 1063.6/53

In: -0.234+/-0.003 χ^2/NDF:2428.7/46

Out: -0.248+/-0.003 χ^2/NDF:2346.8/54

All: -0.241+/-0.002 χ^2/NDF: 4788.9/101



Right In: -0.336+/-0.059 χ^2/NDF: 1743.3/23

Left Out: -3.144+/-0.028 χ^2/NDF:25358.6/24

Right Out: 0.403+/-0.053 χ^2/NDF: 4078.2/29

Left In: -2.999+/-0.028 χ^2/NDF:22425.0/22

Left: -3.074+/-0.020 χ^2/NDF: 47797.0/47

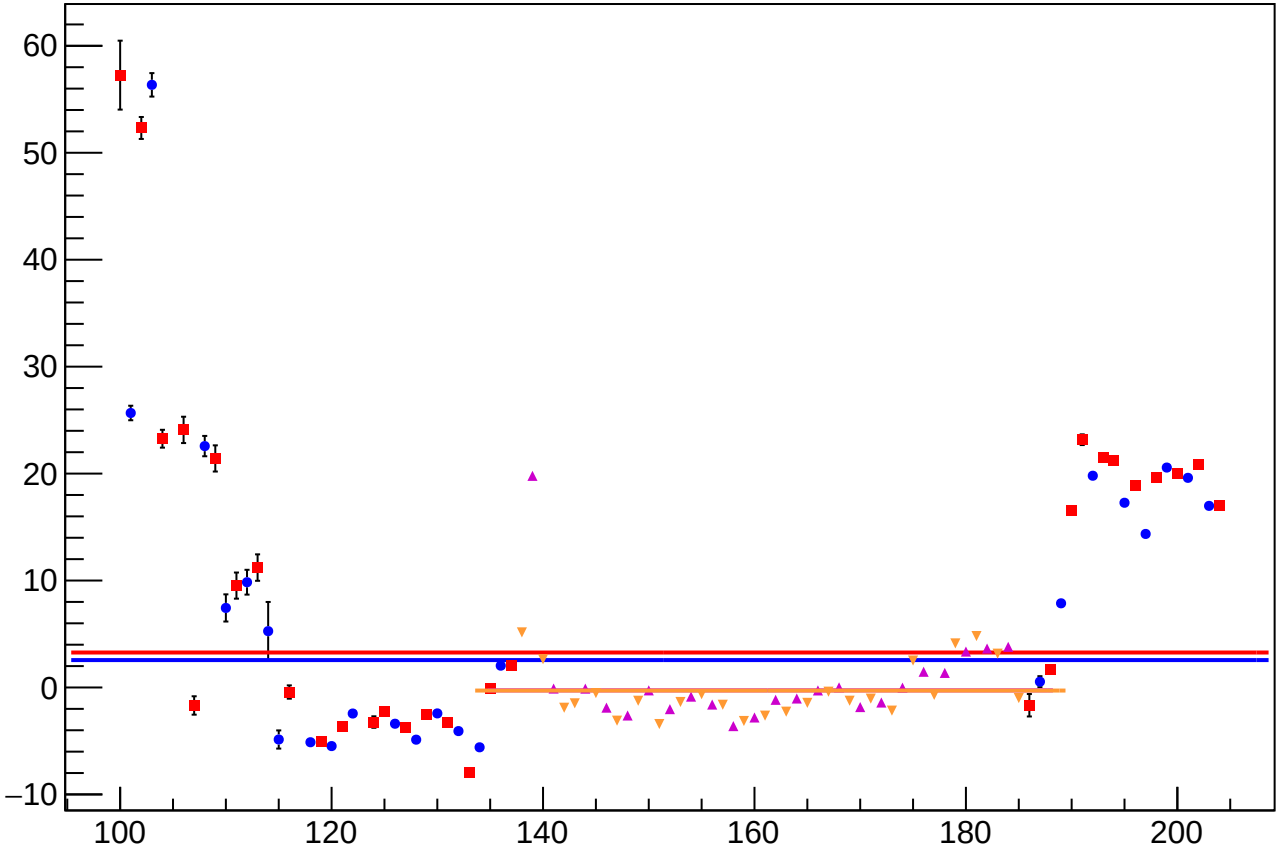
Right: 0.072+/-0.040 χ^2/NDF: 5907.0/53

In: -2.503+/-0.026 χ^2/NDF:25799.1/46

Out: -2.393+/-0.025 χ^2/NDF:32903.0/54

All: -2.446+/-0.018 χ^2/NDF: 58711.7/101

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.561+/-0.060 χ^2/NDF: 28436.5/23

Left Out: -0.288+/-0.022 χ^2/NDF:12198.2/24

Right Out: 3.270+/-0.056 χ^2/NDF: 39606.8/29

Left In: -0.271+/-0.022 χ^2/NDF:13220.8/22

Left: -0.280+/-0.016 χ^2/NDF: 25419.3/47

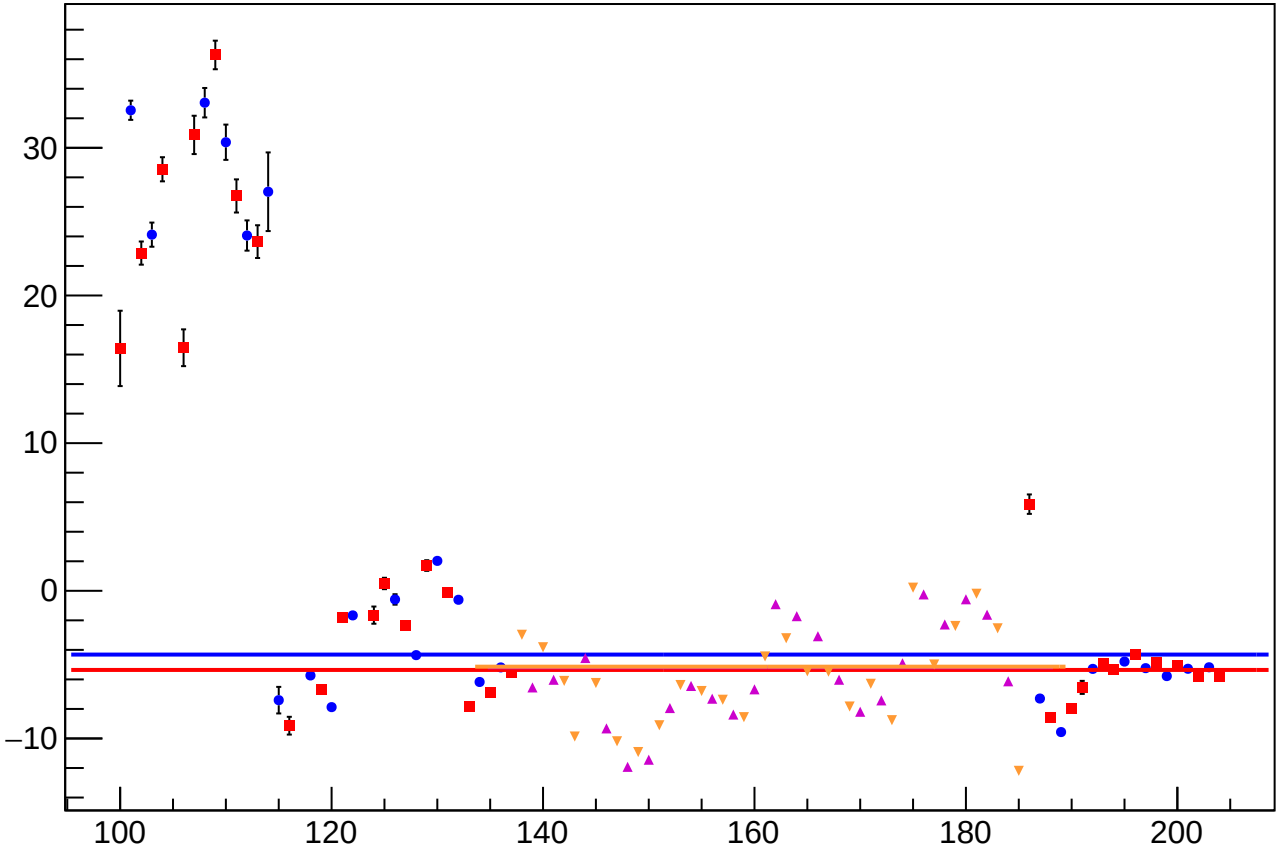
Right: 2.937+/-0.041 χ^2/NDF: 68118.3/53

In: 0.077+/-0.021 χ^2/NDF:43640.3/46

Out: 0.181+/-0.020 χ^2/NDF:55308.7/54

All: 0.130+/-0.015 χ^2/NDF: 98961.6/101

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -4.318+/-0.059 χ^2/NDF: 9414.4/23

Left Out: -5.138+/-0.028 χ^2/NDF:14626.0/24

Right Out: -5.359+/-0.051 χ^2/NDF: 10491.6/29

Left In: -5.177+/-0.028 χ^2/NDF:13963.7/22

Left: -5.157+/-0.020 χ^2/NDF: 28590.7/47

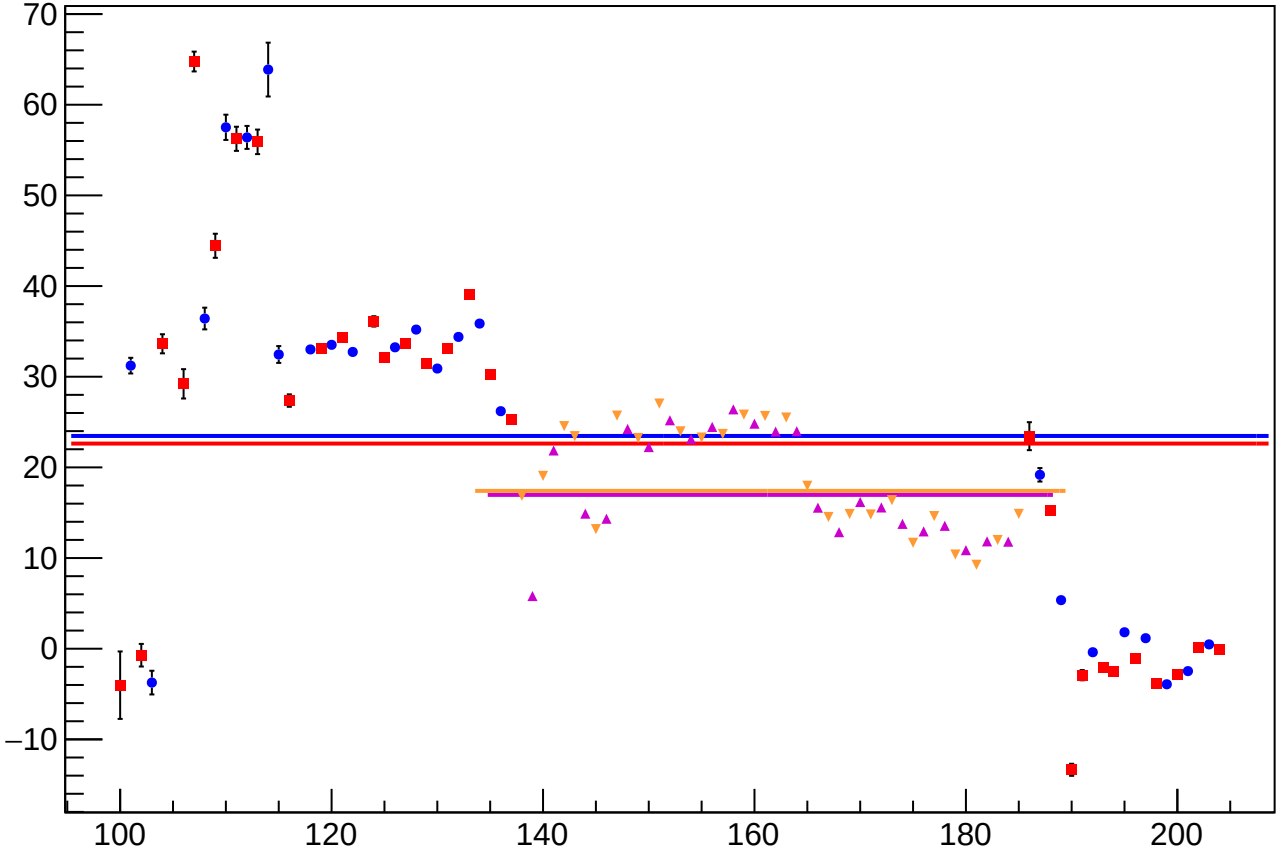
Right: -4.911+/-0.039 χ^2/NDF: 20082.3/53

In: -5.016+/-0.026 χ^2/NDF:23549.3/46

Out: -5.188+/-0.024 χ^2/NDF:25132.0/54

All: -5.106+/-0.018 χ^2/NDF: 48704.8/101

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 23.466+/-0.069 χ^2/NDF: 44562.6/23

Left Out: 17.409+/-0.024 χ^2/NDF:50630.8/24

Right Out: 22.627+/-0.066 χ^2/NDF: 62921.1/29

Left In: 16.967+/-0.025 χ^2/NDF:39939.4/22

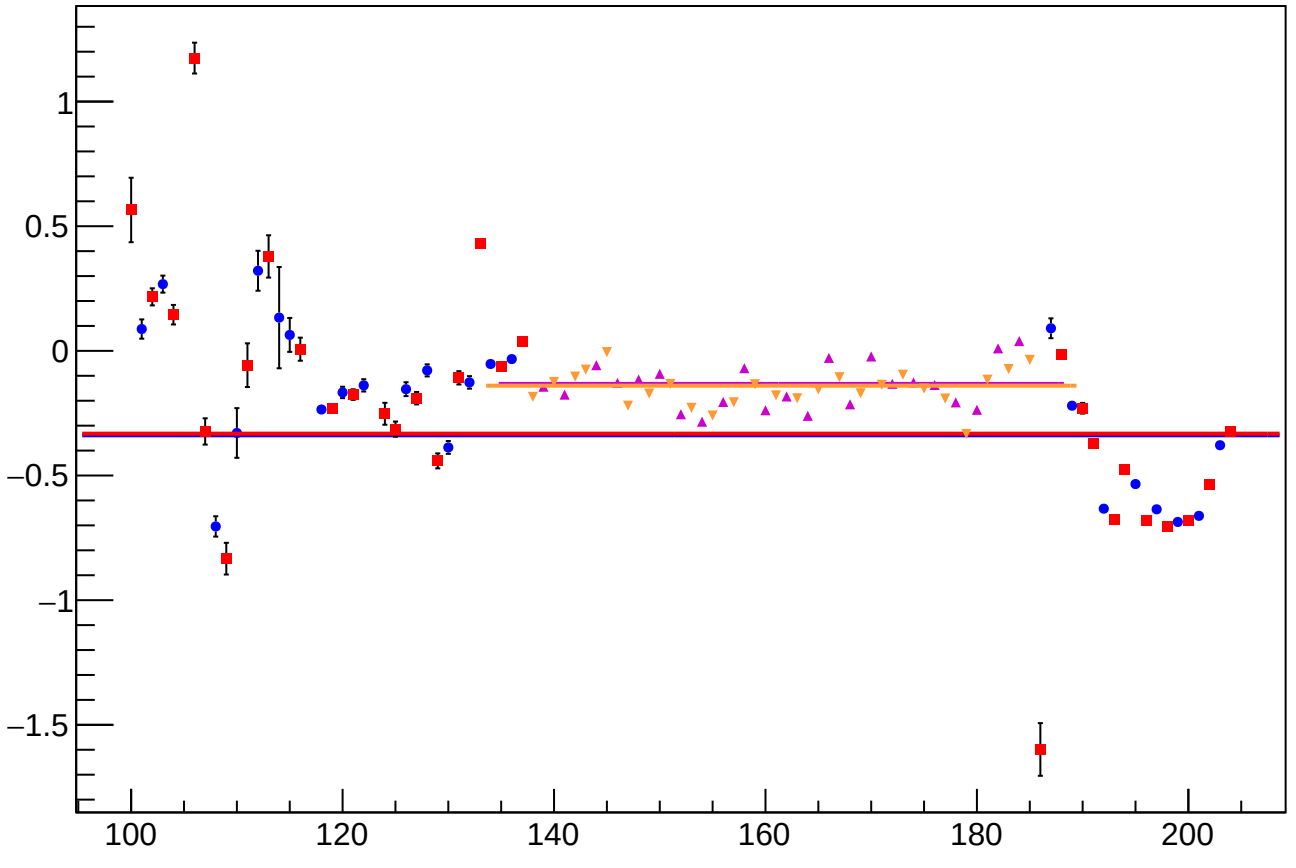
Left: 17.193+/-0.017 χ^2/NDF: 90729.6/47

Right: 23.026+/-0.048 χ^2/NDF: 107560.9/53

In: 17.718+/-0.024 χ^2/NDF:92306.8/46

Out: 18.039+/-0.023 χ^2/NDF:119054.2/54

All: 17.883+/-0.016 χ^2/NDF: 211456.6/101



Right In: -0.339+/-0.003 χ^2/NDF: 7126.0/23

Left Out: -0.140+/-0.001 χ^2/NDF:4108.2/24

Right Out: -0.332+/-0.003 χ^2/NDF: 11107.9/29

Left In: -0.133+/-0.001 χ^2/NDF:5529.7/22

Left: -0.136+/-0.001 χ^2/NDF: 9659.1/47

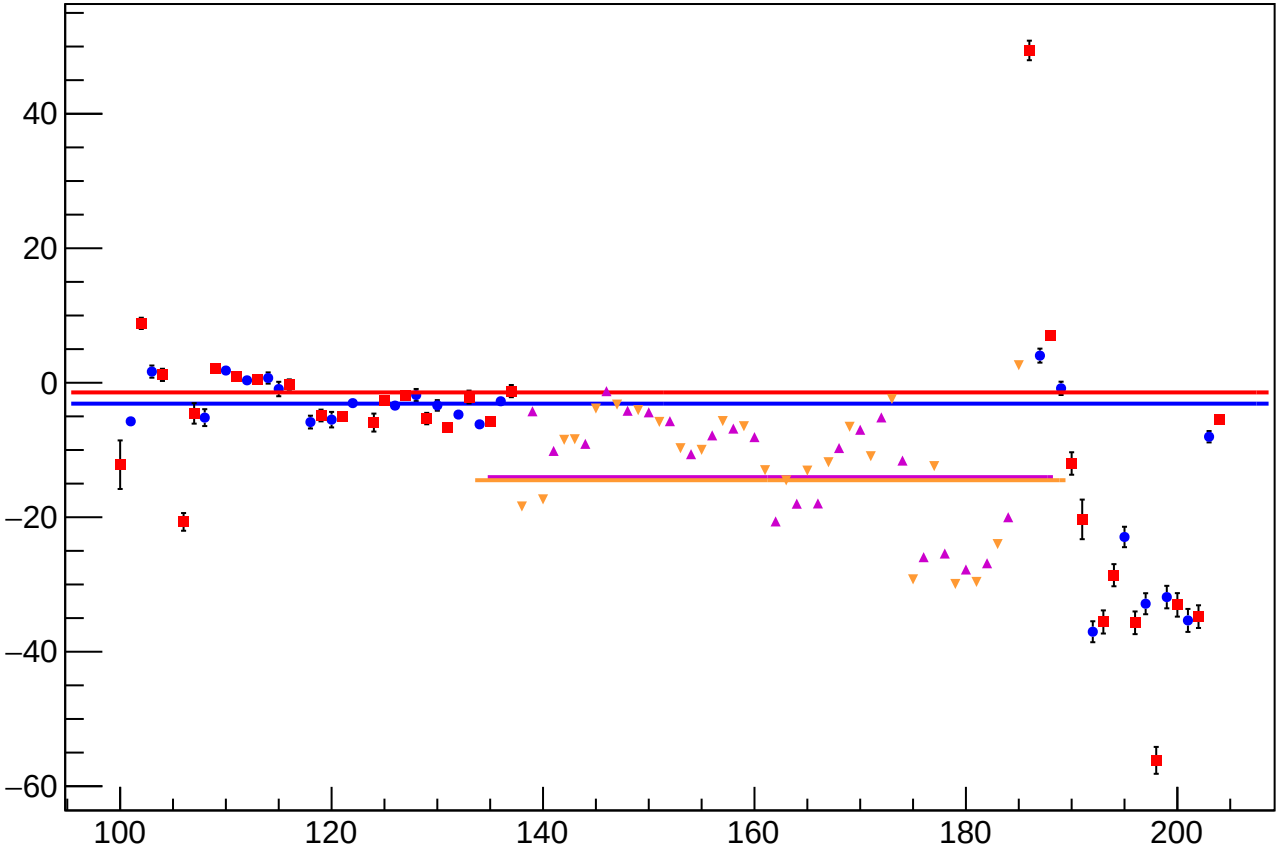
Right: -0.335+/-0.002 χ^2/NDF: 18236.2/53

In: -0.154+/-0.001 χ^2/NDF:16337.9/46

Out: -0.162+/-0.001 χ^2/NDF:18786.1/54

All: -0.158+/-0.001 χ^2/NDF: 35148.2/101

reg_asym_sam_1357_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -3.108+/-0.148 χ^2/NDF: 2113.4/23

Left Out: -14.494+/-0.075 χ^2/NDF:17232.7/24

Right Out: -1.437+/-0.136 χ^2/NDF: 4890.7/29

Left In: -14.038+/-0.077 χ^2/NDF:13482.5/22

Left: -14.272+/-0.054 χ^2/NDF: 30733.3/47

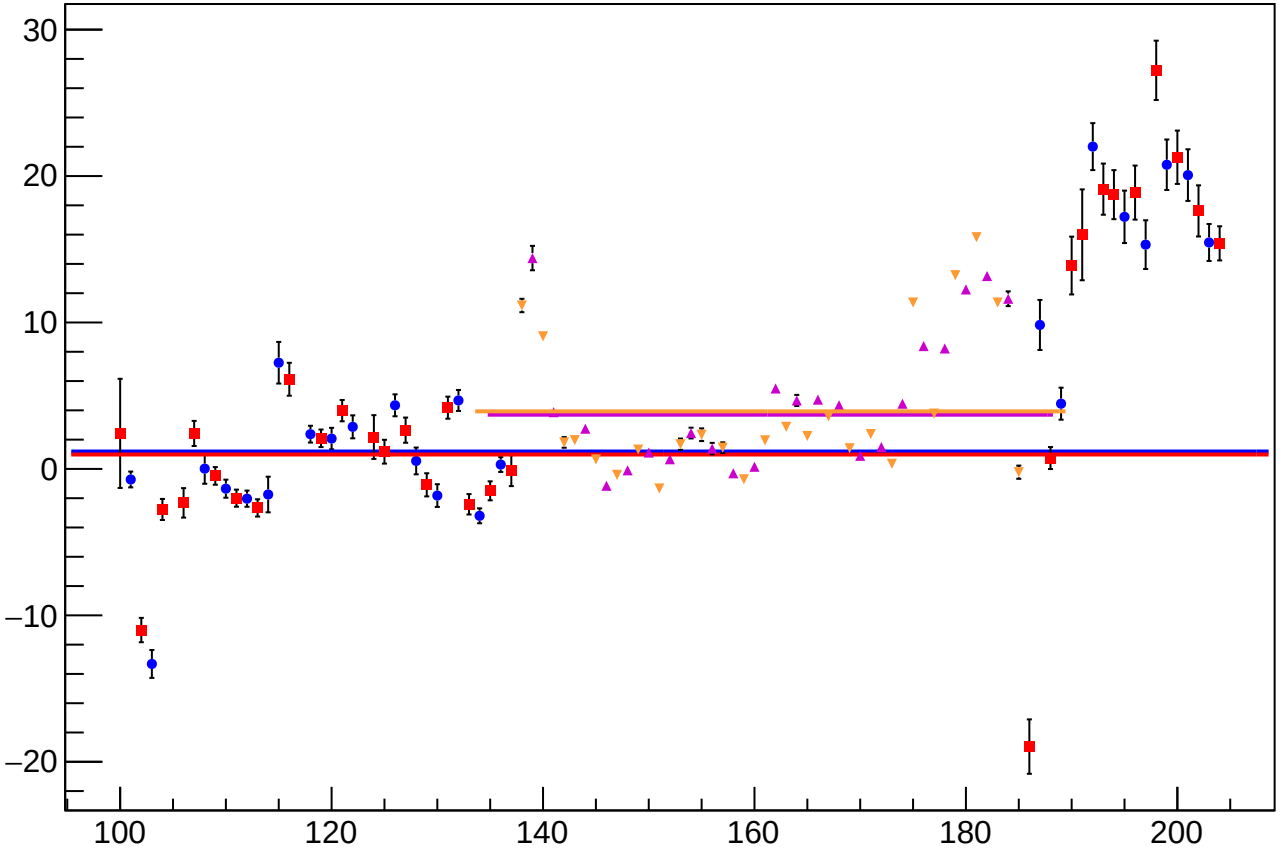
Right: -2.205+/-0.100 χ^2/NDF: 7073.2/53

In: -11.713+/-0.068 χ^2/NDF:19902.9/46

Out: -11.474+/-0.066 χ^2/NDF:29178.4/54

All: -11.589+/-0.047 χ^2/NDF: 49087.7/101

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.188+/-0.165 χ^2/NDF: 1192.0/23

Left Out: 3.932+/-0.058 χ^2/NDF:6979.2/24

Right Out: 0.985+/-0.165 χ^2/NDF: 1460.3/29

Left In: 3.703+/-0.059 χ^2/NDF:4788.5/22

Left: 3.820+/-0.041 χ^2/NDF: 11775.3/47

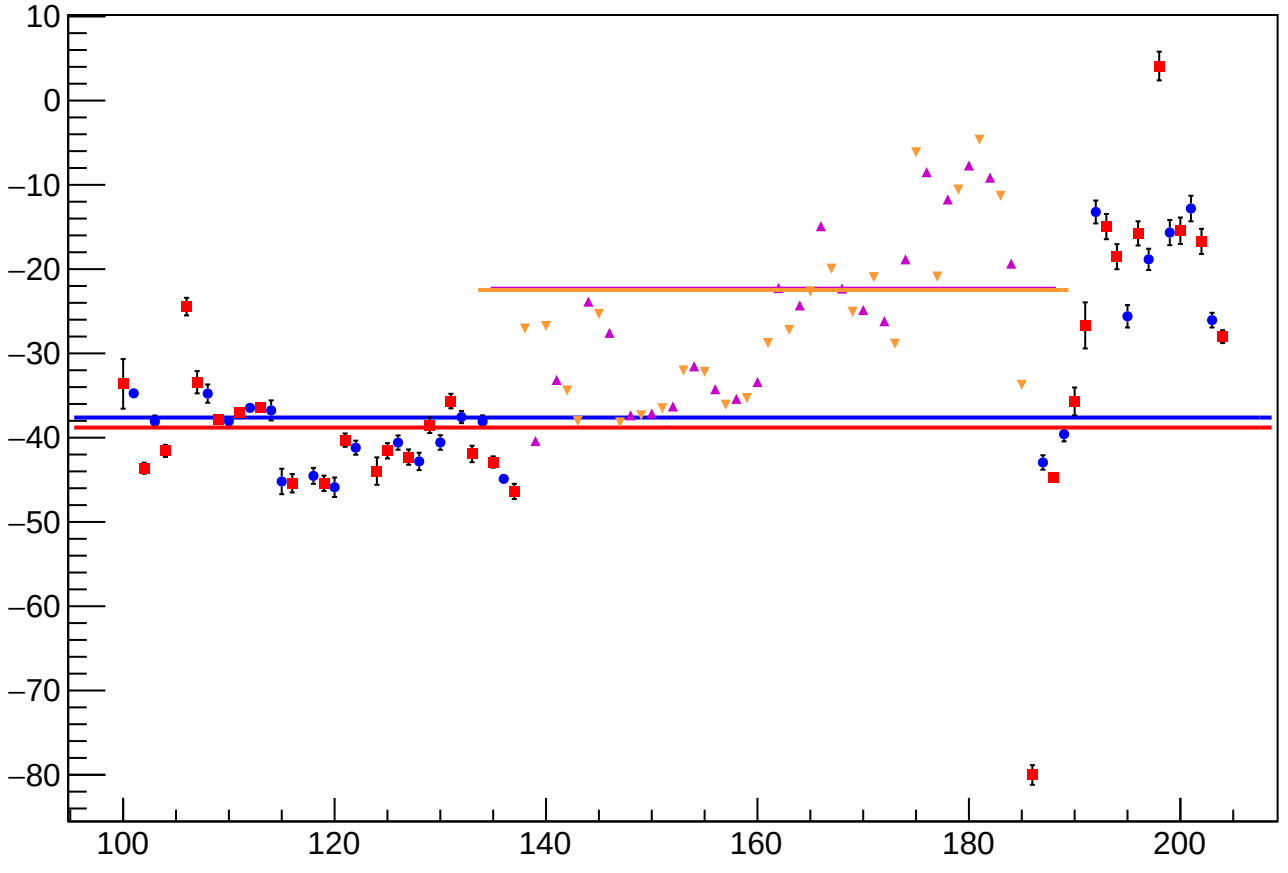
Right: 1.087+/-0.116 χ^2/NDF: 2653.0/53

In: 3.414+/-0.056 χ^2/NDF:6187.3/46

Out: 3.608+/-0.055 χ^2/NDF:8724.4/54

All: 3.513+/-0.039 χ^2/NDF: 14917.8/101

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -37.611+/-0.163 χ^2/NDF: 1846.7/23

Left Out: -22.478+/-0.075 χ^2/NDF:20417.4/24

Right Out: -38.796+/-0.155 χ^2/NDF: 4010.2/29

Left In: -22.322+/-0.077 χ^2/NDF:17133.3/22

Left: -22.402+/-0.054 χ^2/NDF: 37552.8/47

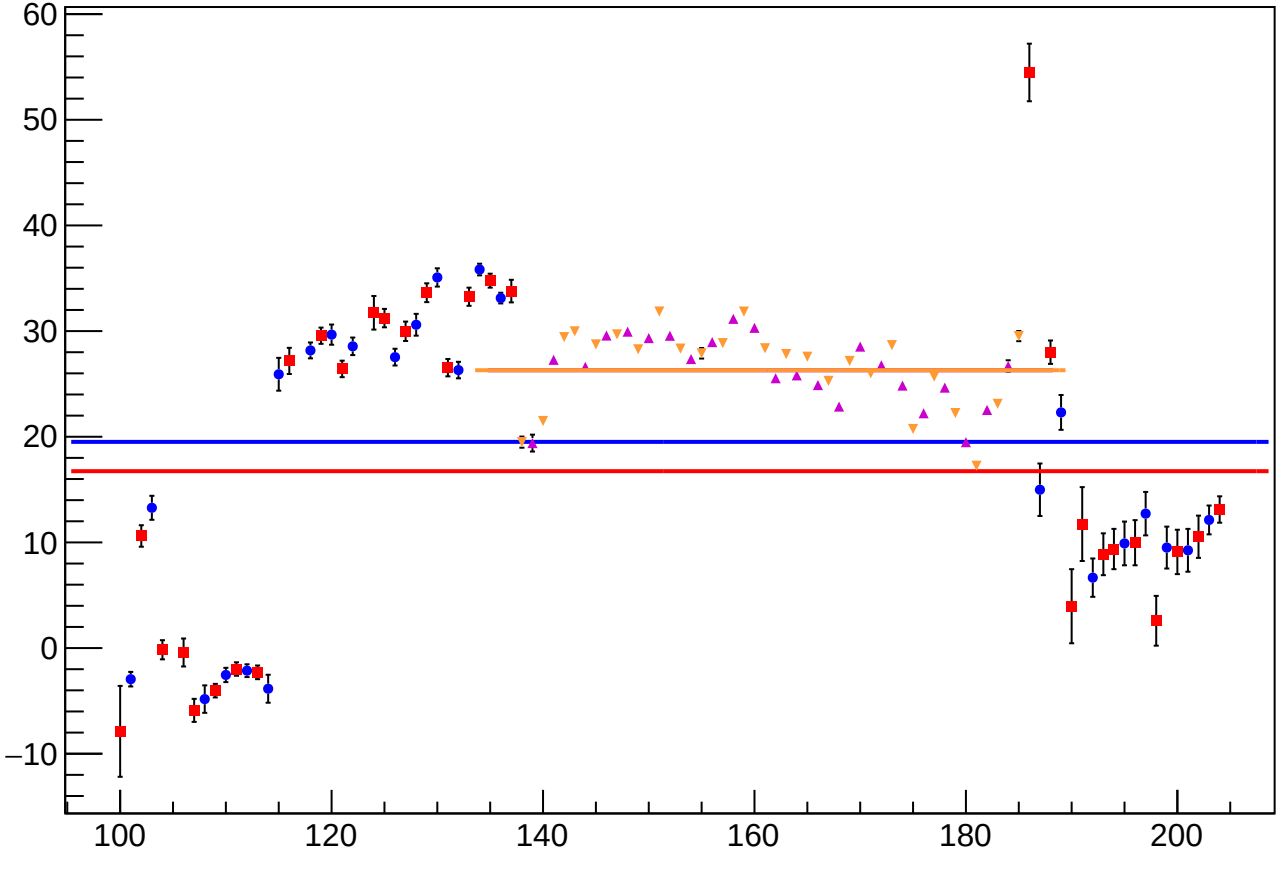
Right: -38.234+/-0.113 χ^2/NDF: 5884.6/53

In: -25.076+/-0.069 χ^2/NDF:26161.0/46

Out: -25.553+/-0.067 χ^2/NDF:33399.7/54

All: -25.321+/-0.048 χ^2/NDF: 59585.0/101

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 19.516+/-0.187 χ^2/NDF: 6864.1/23

Left Out: 26.296+/-0.065 χ^2/NDF:3307.8/24

Right Out: 16.741+/-0.188 χ^2/NDF: 7157.8/29

Left In: 26.292+/-0.067 χ^2/NDF:2185.8/22

Left: 26.294+/-0.047 χ^2/NDF: 5493.5/47

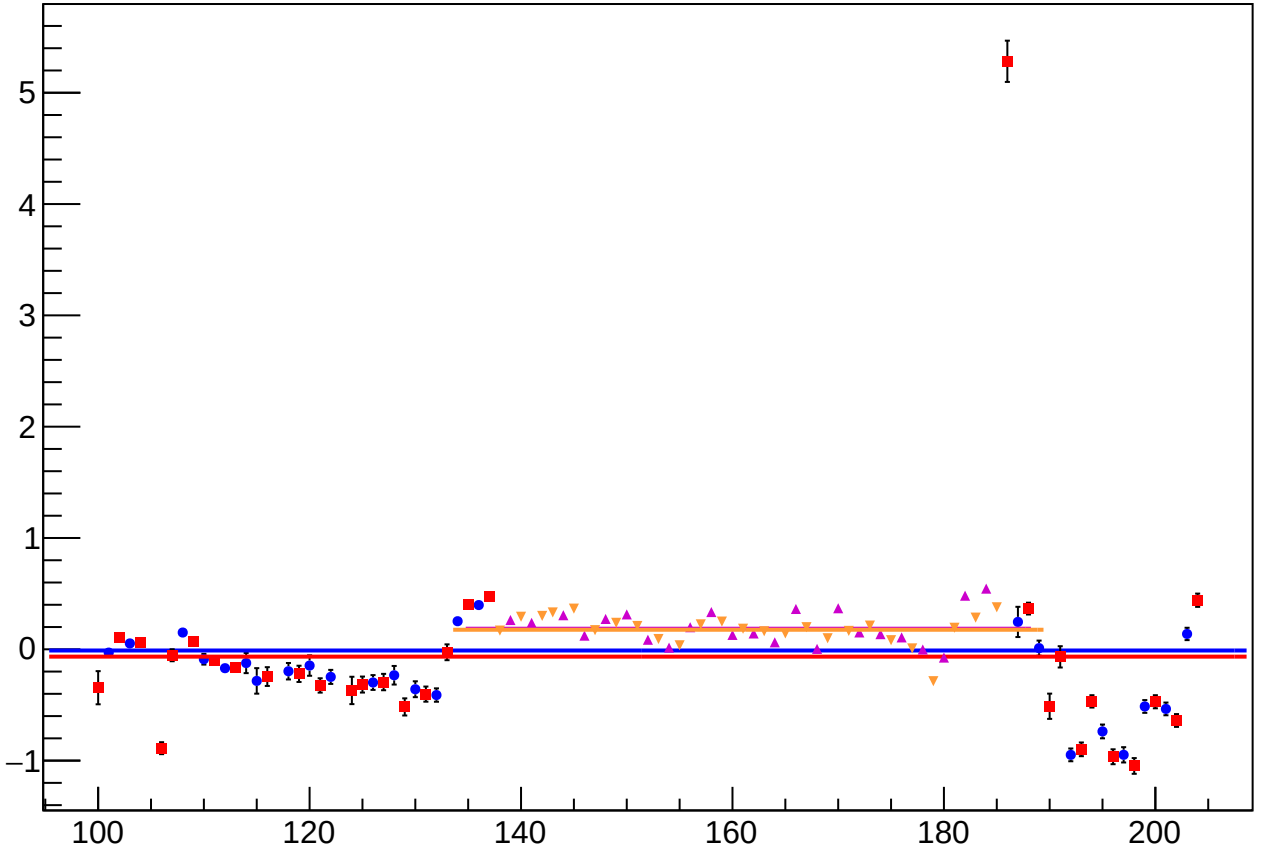
Right: 18.140+/-0.133 χ^2/NDF: 14131.5/53

In: 25.526+/-0.063 χ^2/NDF:10219.5/46

Out: 25.275+/-0.062 χ^2/NDF:12768.0/54

All: 25.398+/-0.044 χ^2/NDF: 22995.6/101

reg_asym_sam_1357_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.011+/-0.009 χ^2/NDF: 1418.3/23

Left Out: 0.176+/-0.003 χ^2/NDF:1935.6/24

Right Out: -0.066+/-0.010 χ^2/NDF: 2624.7/29

Left In: 0.185+/-0.003 χ^2/NDF:2538.5/22

Left: 0.180+/-0.002 χ^2/NDF: 4479.2/47

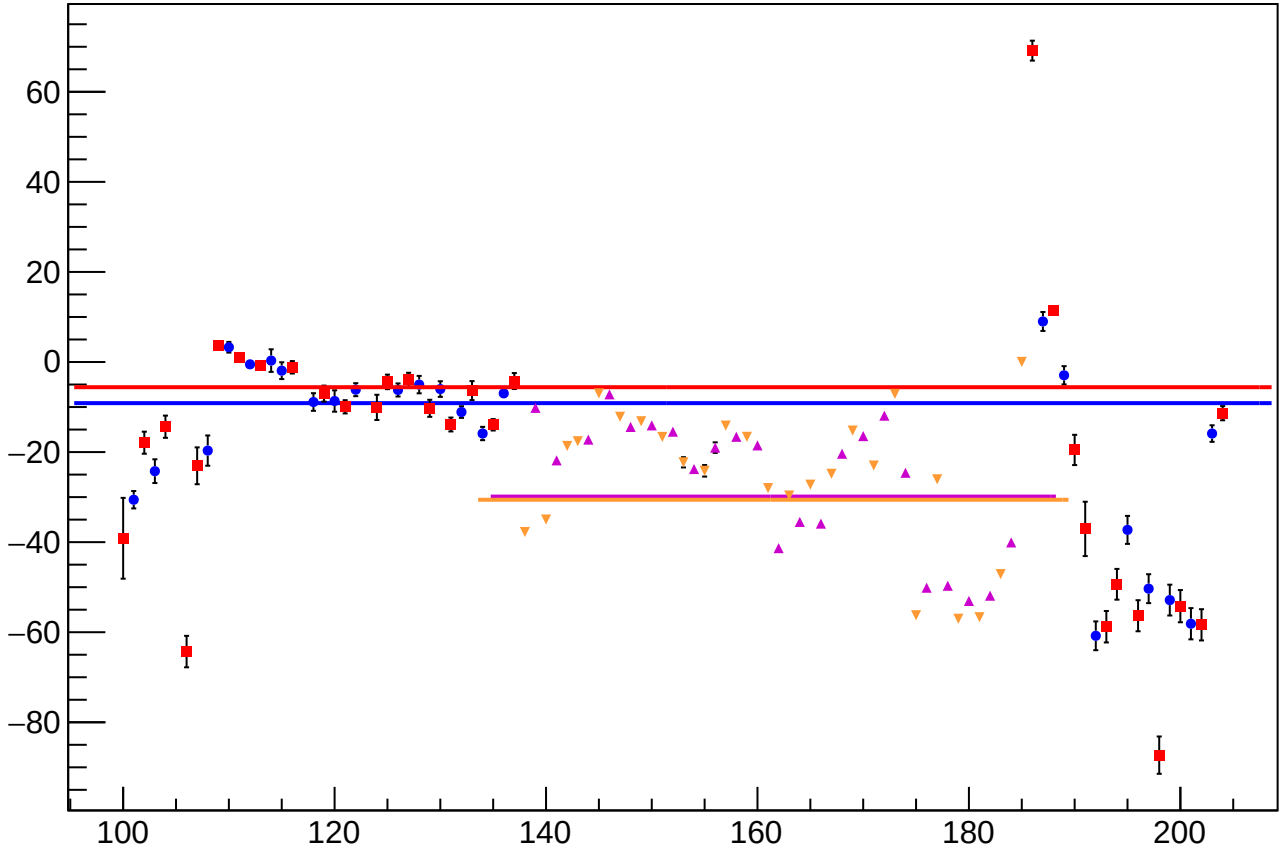
Right: -0.038+/-0.007 χ^2/NDF: 4059.6/53

In: 0.167+/-0.003 χ^2/NDF:4347.5/46

Out: 0.156+/-0.003 χ^2/NDF:5132.1/54

All: 0.161+/-0.002 χ^2/NDF: 9488.5/101

reg_asym_sam_2468_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -9.133+/-0.347 χ^2/NDF: 1394.5/23

Left Out: -30.587+/-0.142 χ^2/NDF:16046.0/24

Right Out: -5.595+/-0.327 χ^2/NDF: 3452.5/29

Left In: -29.878+/-0.146 χ^2/NDF:12034.7/22

Left: -30.242+/-0.102 χ^2/NDF: 28092.8/47

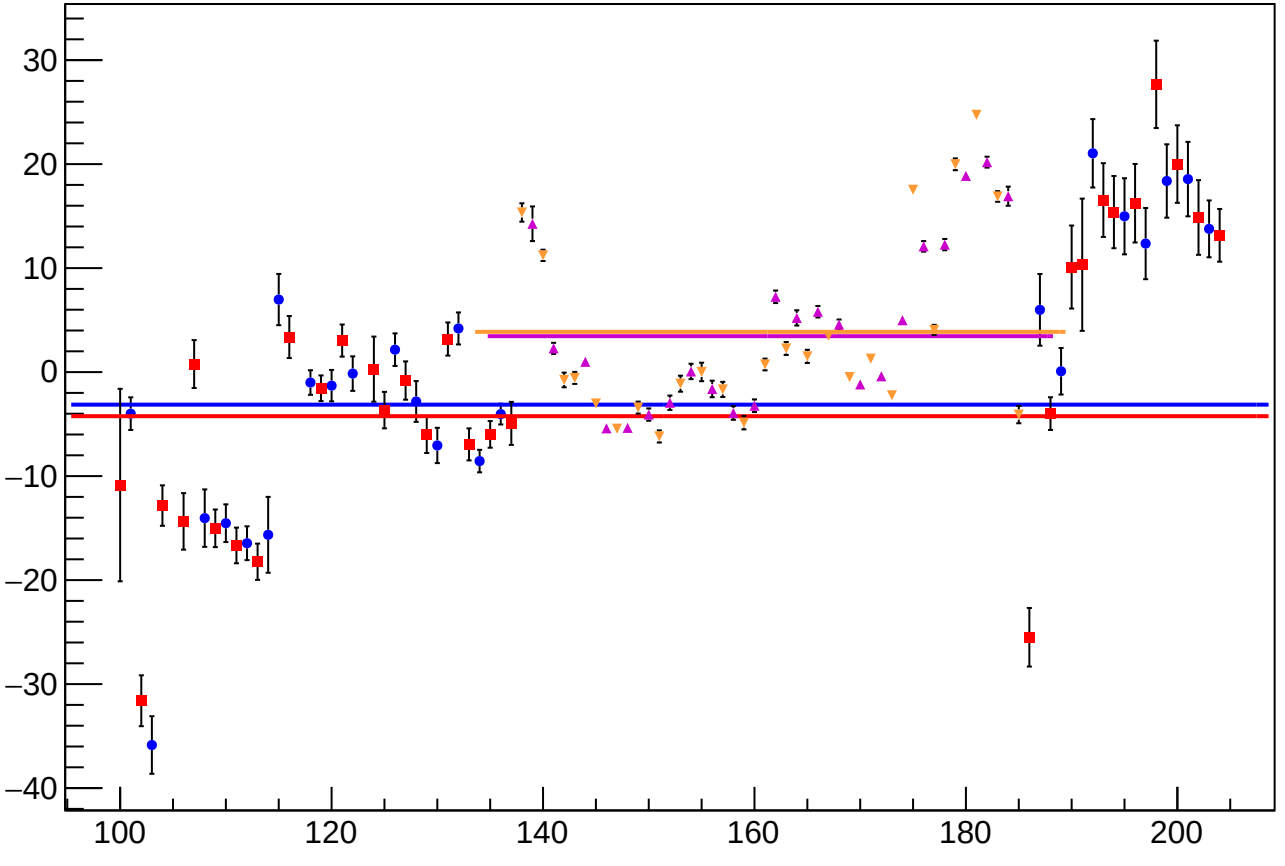
Right: -7.261+/-0.238 χ^2/NDF: 4902.2/53

In: -26.745+/-0.135 χ^2/NDF:16469.2/46

Out: -26.618+/-0.130 χ^2/NDF:24409.0/54

All: -26.679+/-0.094 χ^2/NDF: 40878.6/101

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -3.130+/-0.372 χ^2/NDF: 584.3/23

Left Out: 3.873+/-0.111 χ^2/NDF:6542.0/24

Right Out: -4.240+/-0.379 χ^2/NDF: 737.0/29

Left In: 3.453+/-0.114 χ^2/NDF:4693.7/22

Left: 3.667+/-0.079 χ^2/NDF: 11242.7/47

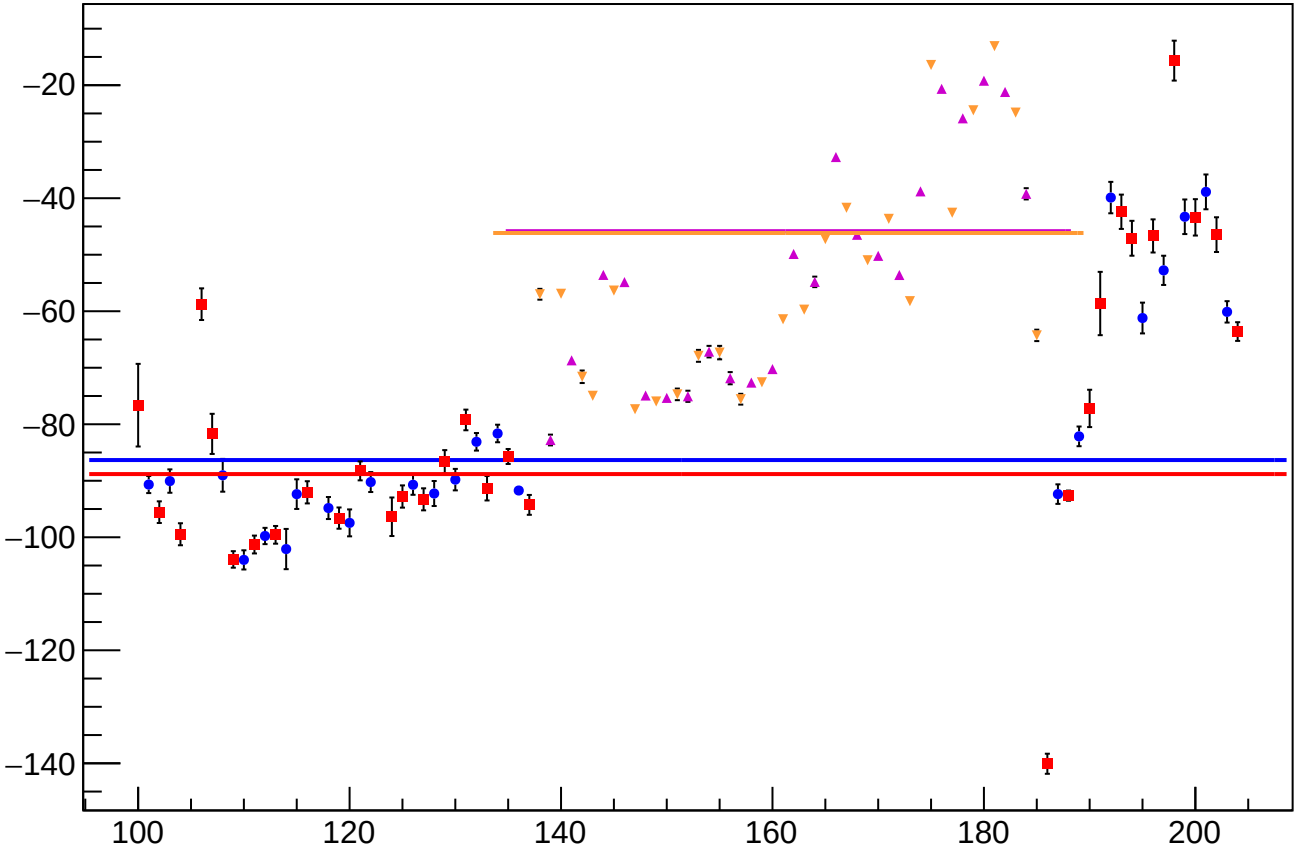
Right: -3.675+/-0.265 χ^2/NDF: 1325.7/53

In: 2.891+/-0.109 χ^2/NDF:5564.5/46

Out: 3.229+/-0.107 χ^2/NDF:7701.6/54

All: 3.063+/-0.076 χ^2/NDF: 13271.1/101

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -86.336+/-0.375 χ^2/NDF: 1524.8/23

Left Out: -46.153+/-0.142 χ^2/NDF:21455.9/24

Right Out: -88.817+/-0.357 χ^2/NDF: 3024.3/29

Left In: -45.833+/-0.146 χ^2/NDF:17924.6/22

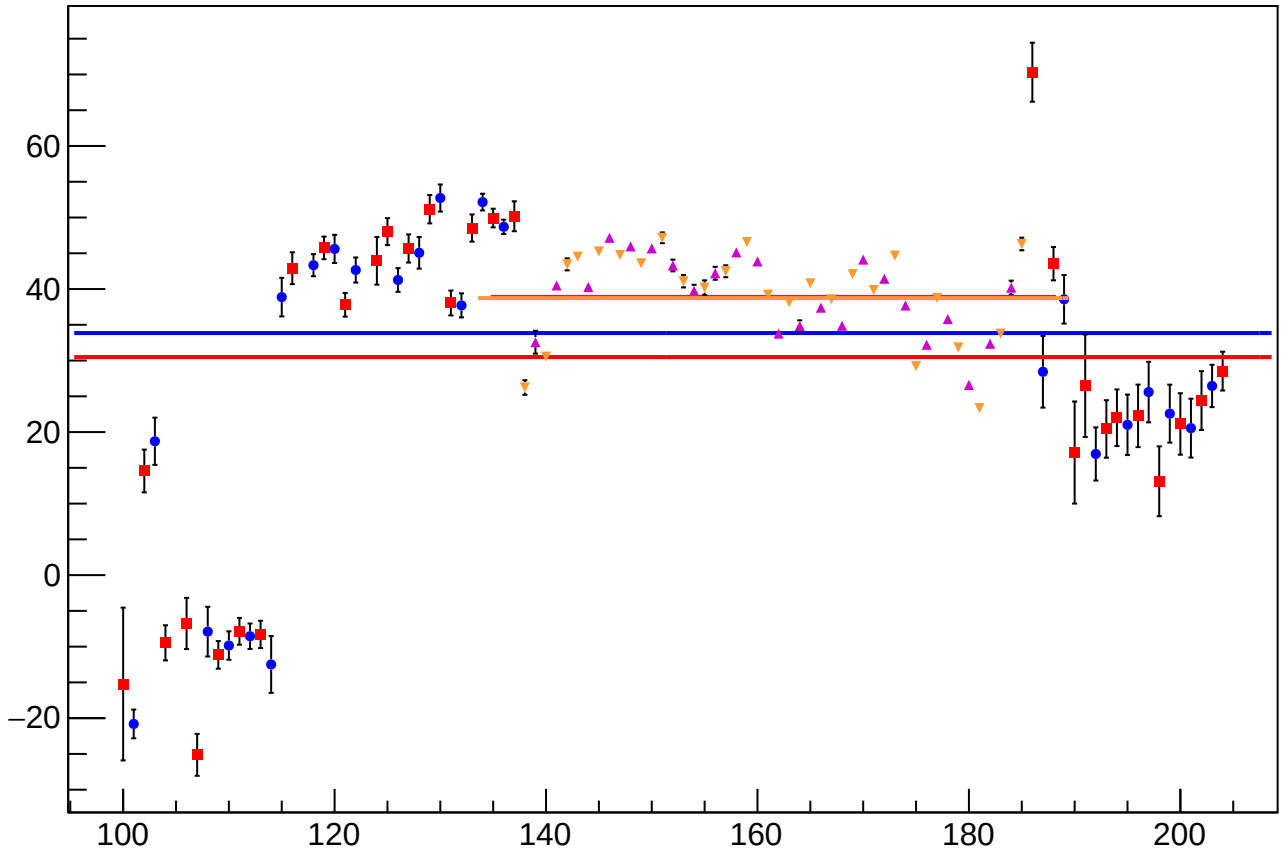
Left: -45.997+/-0.102 χ^2/NDF: 39383.0/47

Right: -87.635+/-0.258 χ^2/NDF: 4572.1/53

In: -51.178+/-0.136 χ^2/NDF:29602.4/46

Out: -52.006+/-0.132 χ^2/NDF:36793.6/54

All: -51.604+/-0.095 χ^2/NDF: 66415.0/101



Right In: 33.847+/-0.420 χ^2/NDF: 2874.3/23

Left Out: 38.730+/-0.125 χ^2/NDF:2781.7/24

Right Out: 30.488+/-0.433 χ^2/NDF: 3074.3/29

Left In: 38.905+/-0.127 χ^2/NDF:1971.6/22

Left: 38.816+/-0.089 χ^2/NDF: 4754.3/47

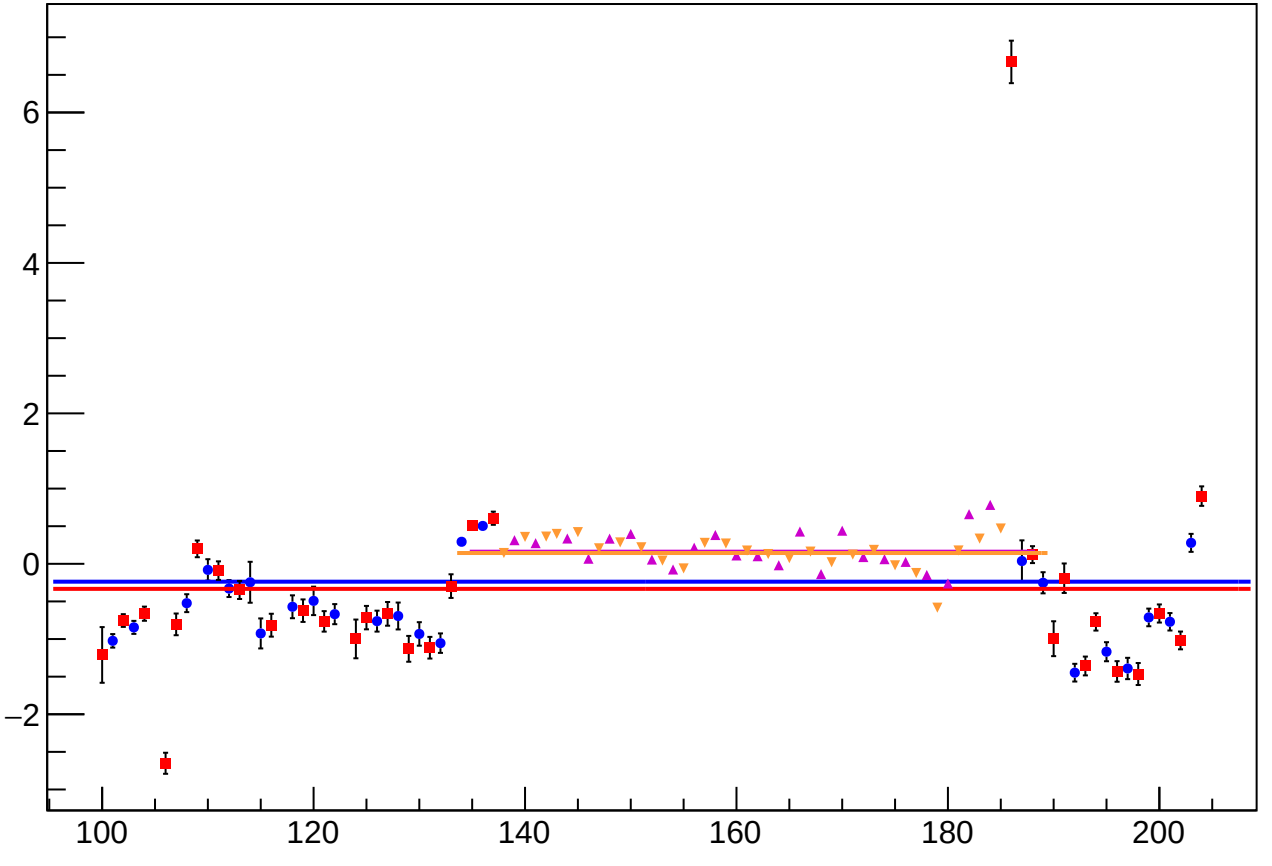
Right: 32.218+/-0.302 χ^2/NDF: 5979.6/53

In: 38.479+/-0.122 χ^2/NDF:4978.6/46

Out: 38.100+/-0.120 χ^2/NDF:6190.8/54

All: 38.286+/-0.085 χ^2/NDF: 11174.3/101

reg_asym_sam_2468_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.237+/-0.021 χ^2/NDF: 947.2/23

Left Out: 0.144+/-0.006 χ^2/NDF:1442.8/24

Right Out: -0.333+/-0.022 χ^2/NDF: 1806.1/29

Left In: 0.161+/-0.006 χ^2/NDF:1918.8/22

Left: 0.152+/-0.004 χ^2/NDF: 3366.6/47

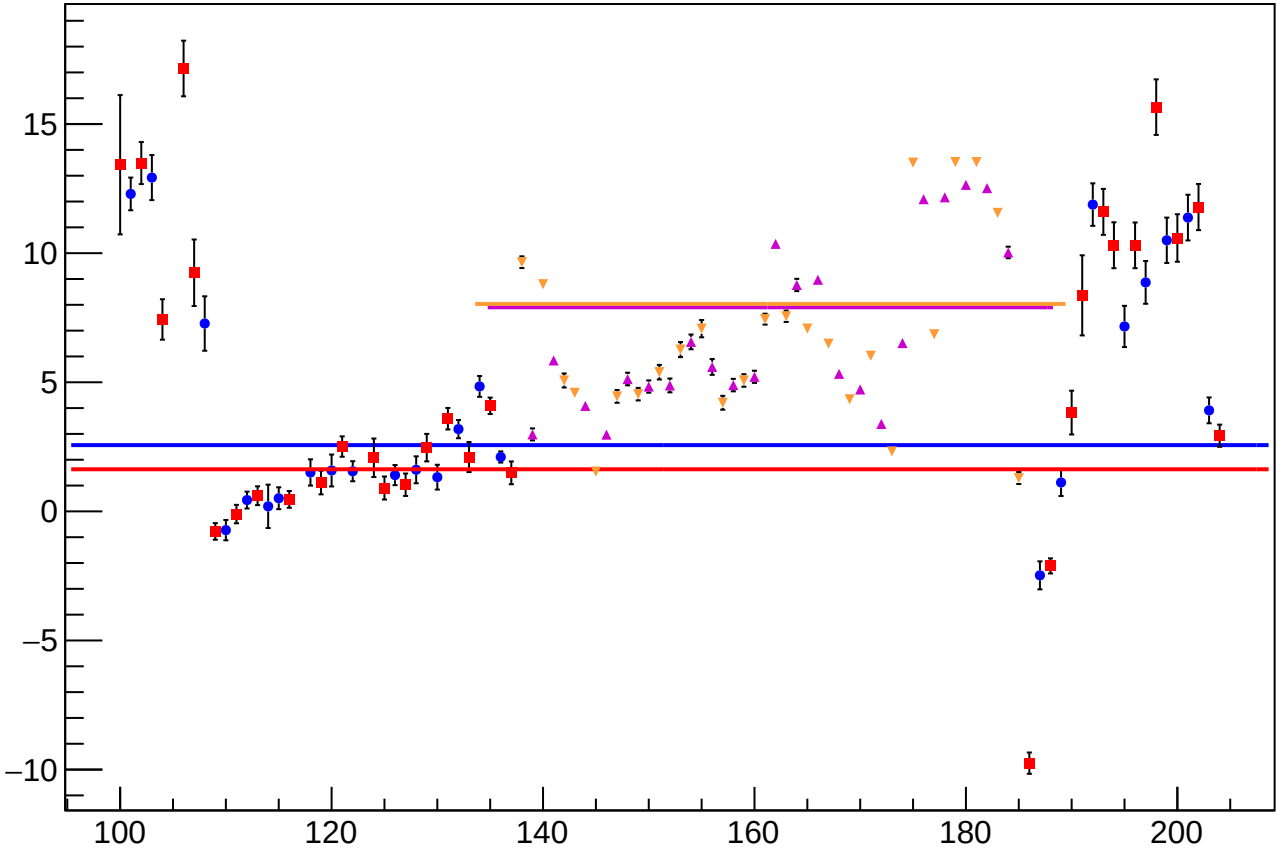
Right: -0.283+/-0.015 χ^2/NDF: 2762.9/53

In: 0.135+/-0.006 χ^2/NDF:3192.3/46

Out: 0.115+/-0.005 χ^2/NDF:3680.2/54

All: 0.125+/-0.004 χ^2/NDF: 6878.8/101

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 2.566+/-0.096 χ^2/NDF: 1113.6/23

Left Out: 8.034+/-0.035 χ^2/NDF:13924.1/24

Right Out: 1.631+/-0.091 χ^2/NDF: 2394.8/29

Left In: 7.903+/-0.036 χ^2/NDF:10017.8/22

Left: 7.970+/-0.025 χ^2/NDF: 23948.8/47

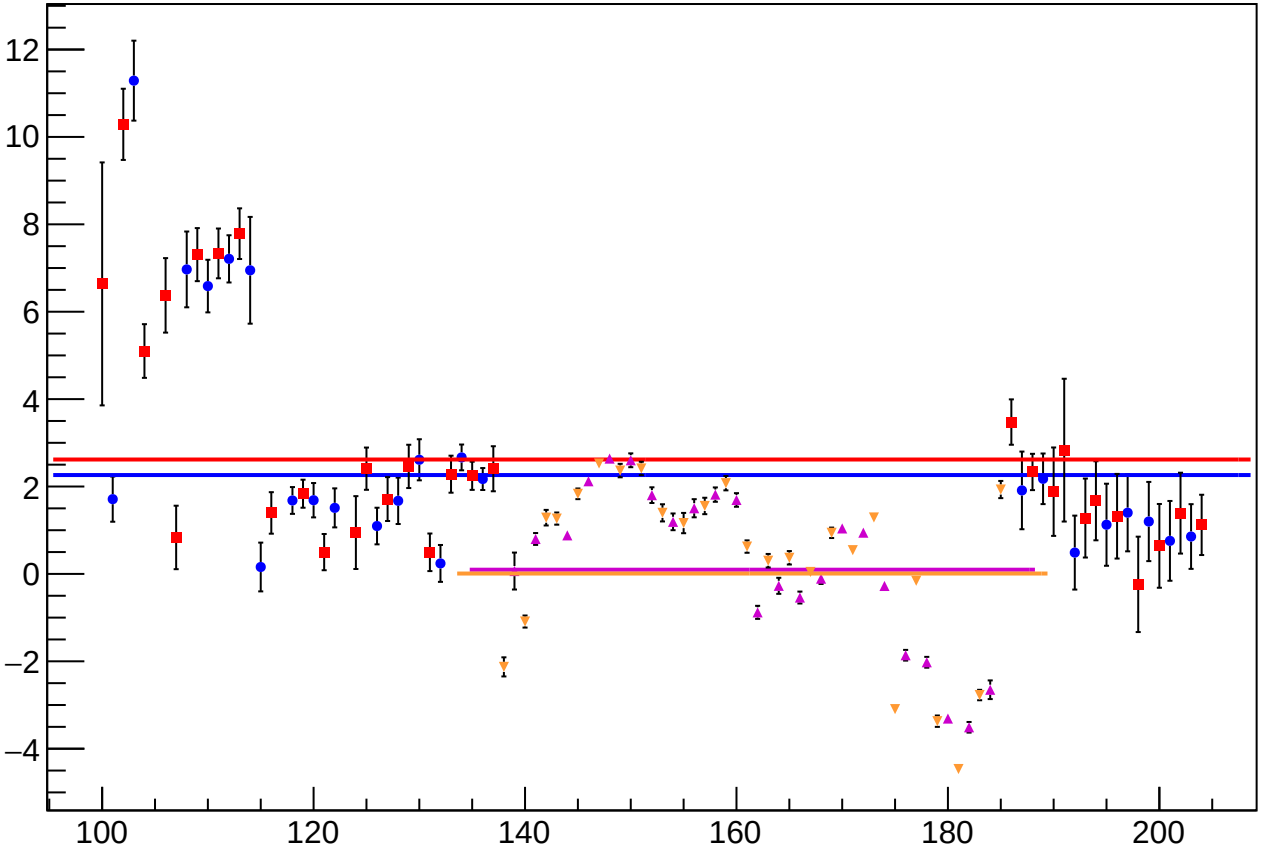
Right: 2.072+/-0.066 χ^2/NDF: 3558.6/53

In: 7.250+/-0.034 χ^2/NDF:13852.1/46

Out: 7.214+/-0.032 χ^2/NDF:20670.8/54

All: 7.231+/-0.023 χ^2/NDF: 34523.4/101

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.262+/-0.101 χ^2/NDF: 350.1/23

Left Out: 0.009+/-0.027 χ^2/NDF:5761.2/24

Right Out: 2.618+/-0.103 χ^2/NDF: 439.4/29

Left In: 0.096+/-0.028 χ^2/NDF:4433.3/22

Left: 0.051+/-0.020 χ^2/NDF: 10199.5/47

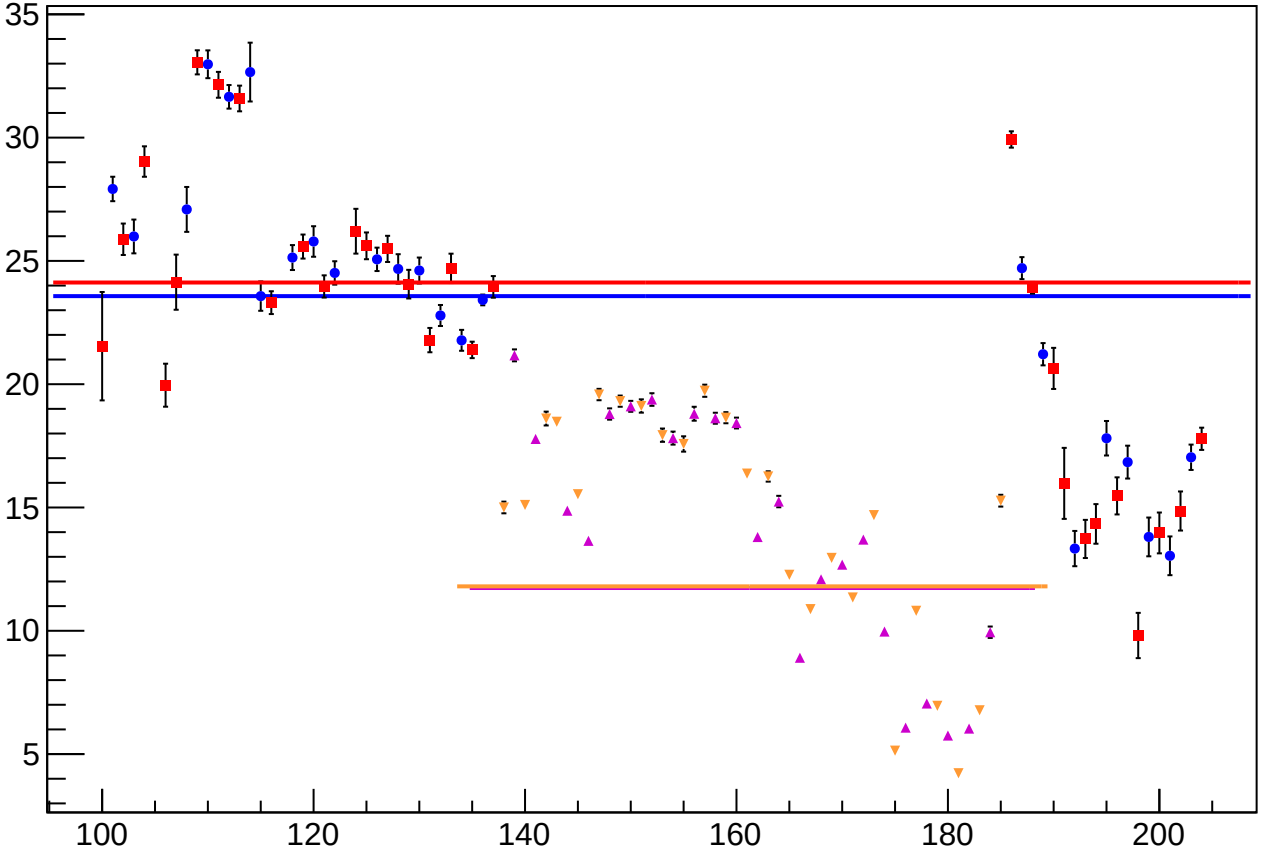
Right: 2.437+/-0.072 χ^2/NDF: 795.5/53

In: 0.251+/-0.027 χ^2/NDF:5208.1/46

Out: 0.182+/-0.027 χ^2/NDF:6798.4/54

All: 0.216+/-0.019 χ^2/NDF: 12009.9/101

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 23.572+/-0.102 χ^2/NDF: 1695.2/23

Left Out: 11.802+/-0.035 χ^2/NDF:21479.5/24

Right Out: 24.124+/-0.096 χ^2/NDF: 2536.6/29

Left In: 11.735+/-0.036 χ^2/NDF:17999.5/22

Left: 11.769+/-0.025 χ^2/NDF: 39480.8/47

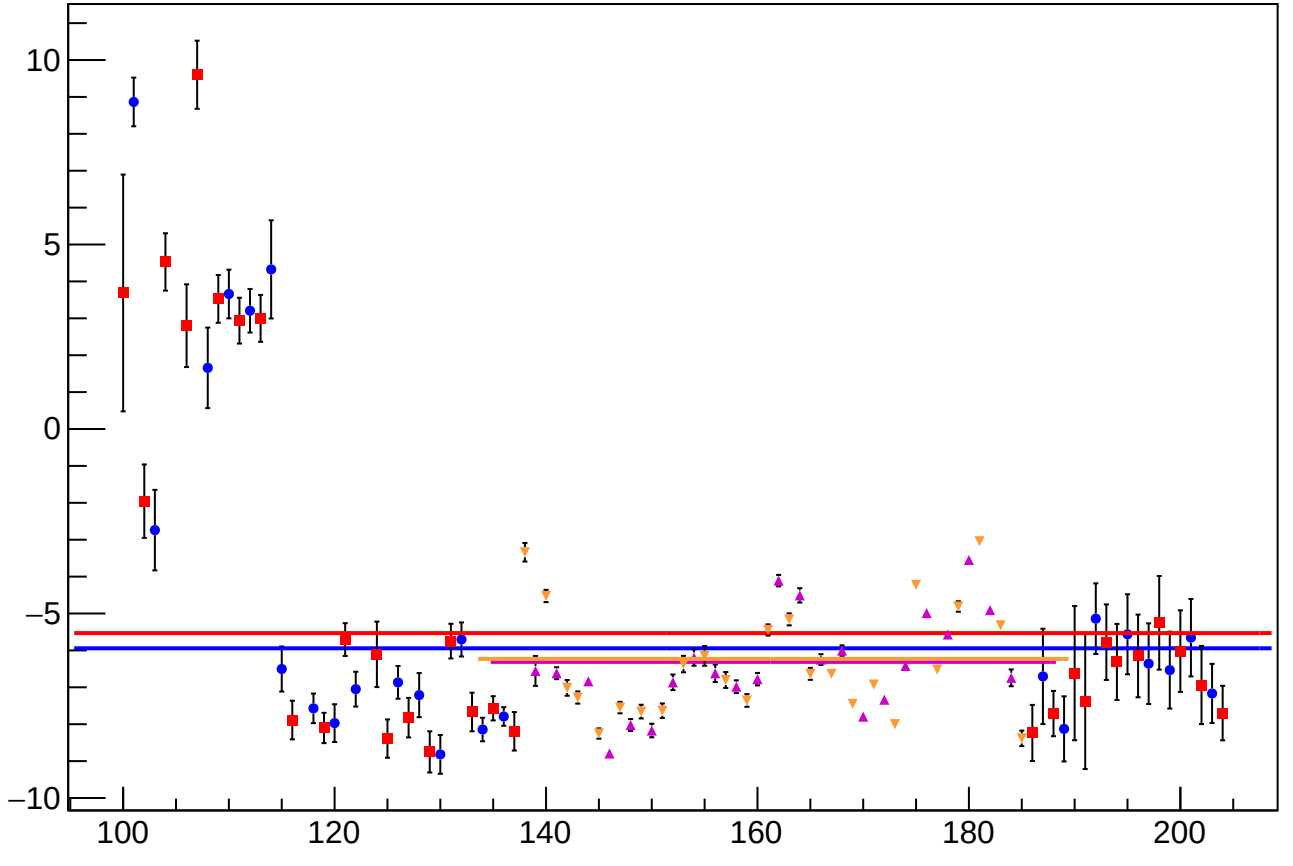
Right: 23.865+/-0.070 χ^2/NDF: 4247.2/53

In: 13.027+/-0.034 χ^2/NDF:31624.0/46

Out: 13.231+/-0.033 χ^2/NDF:38520.4/54

All: 13.132+/-0.024 χ^2/NDF: 70163.1/101

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -5.943+/-0.114 χ^2/NDF: 1261.9/23

Left Out: -6.231+/-0.031 χ^2/NDF:2450.1/24

Right Out: -5.530+/-0.118 χ^2/NDF: 1335.8/29

Left In: -6.311+/-0.031 χ^2/NDF:2030.2/22

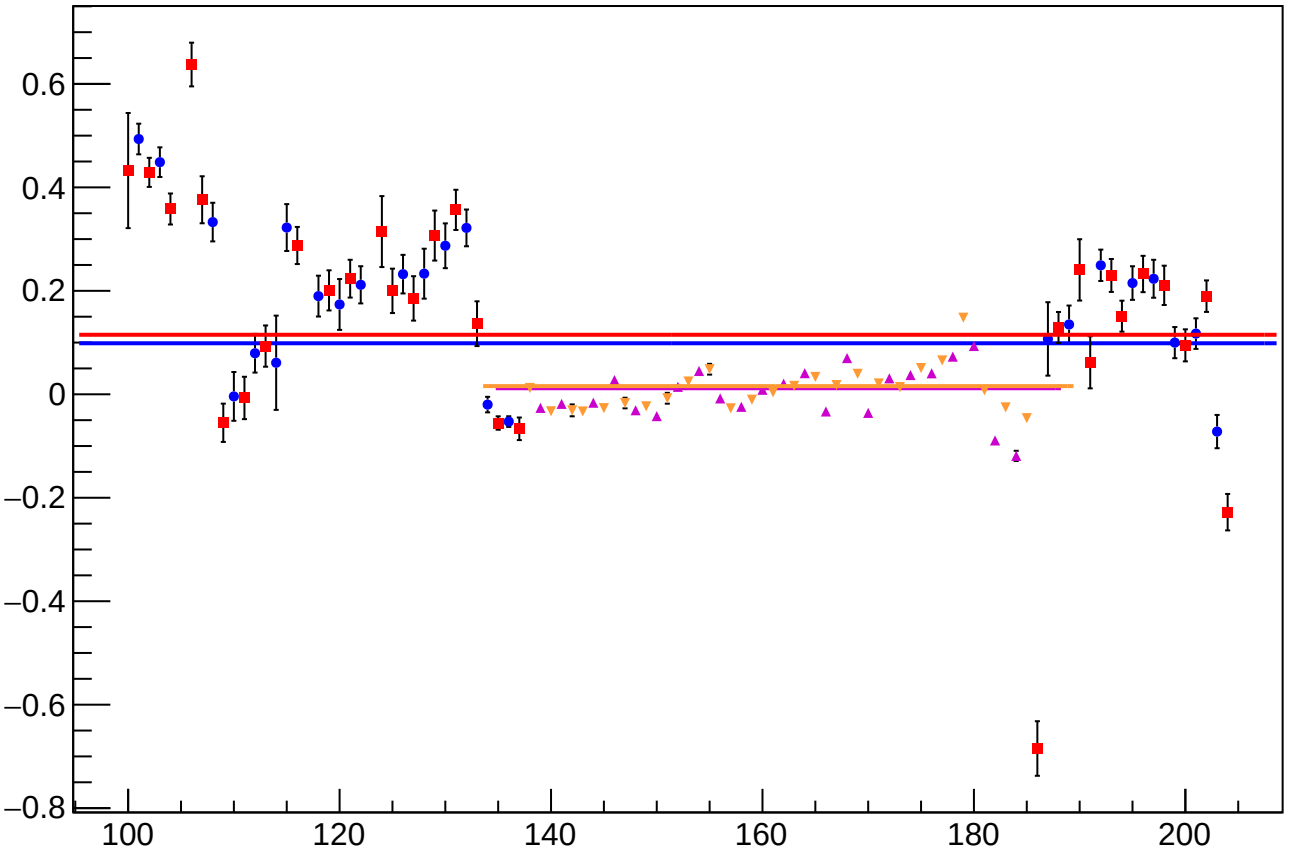
Left: -6.270+/-0.022 χ^2/NDF: 4483.6/47

Right: -5.744+/-0.082 χ^2/NDF: 2603.9/53

In: -6.285+/-0.030 χ^2/NDF:3301.7/46

Out: -6.186+/-0.030 χ^2/NDF:3818.6/54

All: -6.235+/-0.021 χ^2/NDF: 7125.8/101



Right In: 0.099+/-0.006 χ^2/NDF: 849.6/23

Left Out: 0.016+/-0.001 χ^2/NDF:933.4/24

Right Out: 0.115+/-0.006 χ^2/NDF: 1132.3/29

Left In: 0.012+/-0.001 χ^2/NDF:1297.5/22

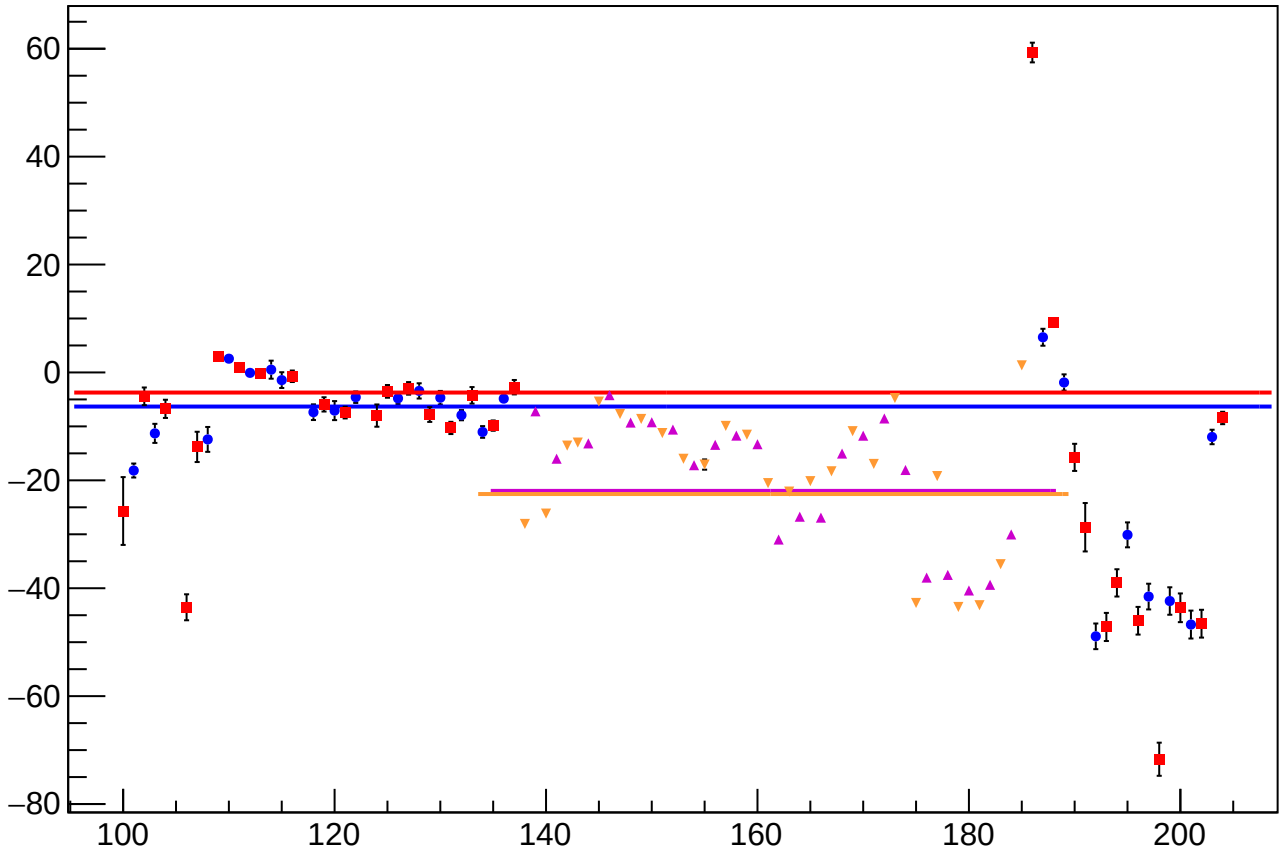
Left: 0.014+/-0.001 χ^2/NDF: 2235.3/47

Right: 0.106+/-0.004 χ^2/NDF: 1985.8/53

In: 0.017+/-0.001 χ^2/NDF:2360.8/46

Out: 0.021+/-0.001 χ^2/NDF:2321.5/54

All: 0.019+/-0.001 χ^2/NDF: 4687.0/101



Right In: -6.324+/-0.249 χ^2/NDF: 1562.2/23

Left Out: -22.538+/-0.108 χ^2/NDF:16540.6/24

Right Out: -3.728+/-0.234 χ^2/NDF: 3832.1/29

Left In: -21.957+/-0.111 χ^2/NDF:12585.3/22

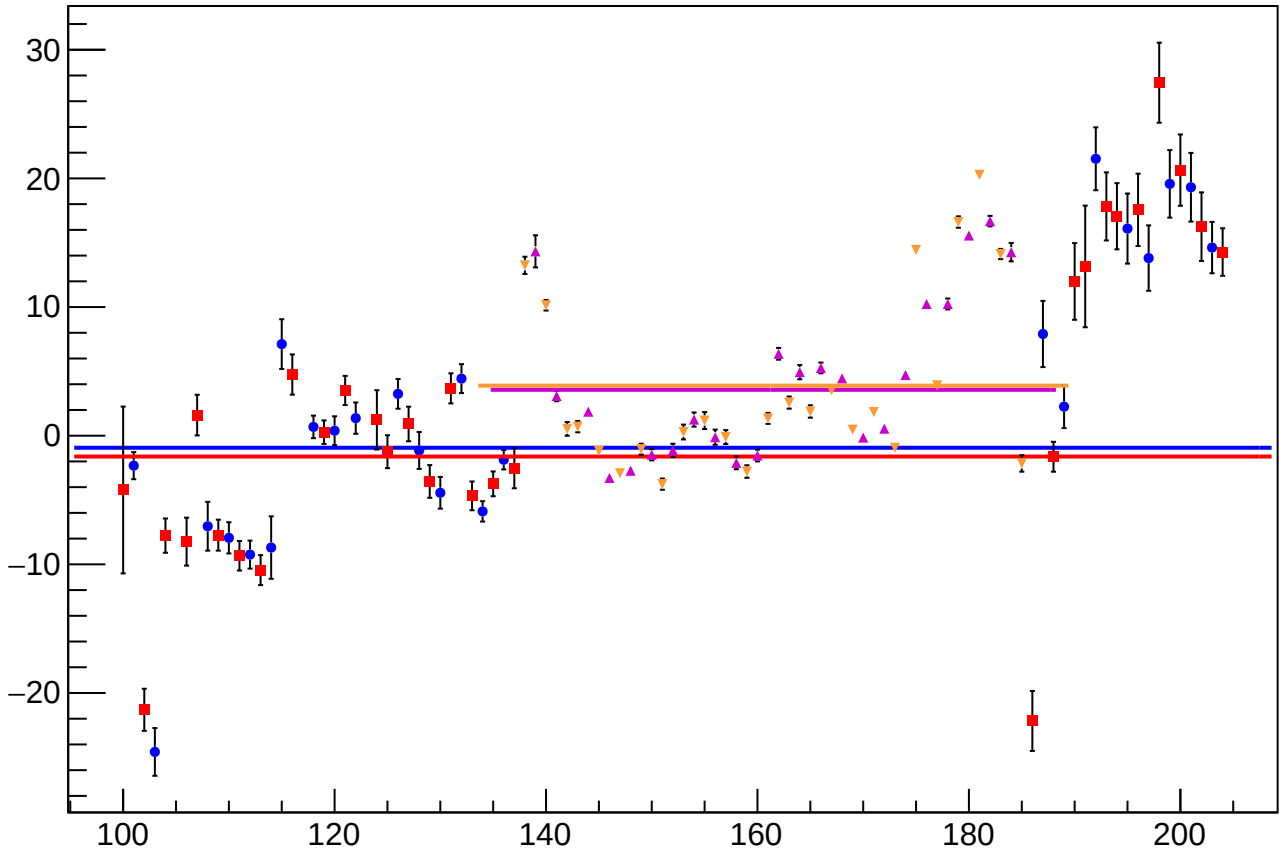
Left: -22.255+/-0.078 χ^2/NDF: 29139.9/47

Right: -4.944+/-0.170 χ^2/NDF: 5452.0/53

In: -19.359+/-0.102 χ^2/NDF:17433.4/46

Out: -19.224+/-0.098 χ^2/NDF:25706.6/54

All: -19.289+/-0.071 χ^2/NDF: 43141.0/101



Right In: -0.937+/-0.270 χ^2/NDF: 738.4/23

Left Out: 3.891+/-0.084 χ^2/NDF:6724.1/24

Right Out: -1.620+/-0.273 χ^2/NDF: 926.0/29

Left In: 3.565+/-0.086 χ^2/NDF:4739.4/22

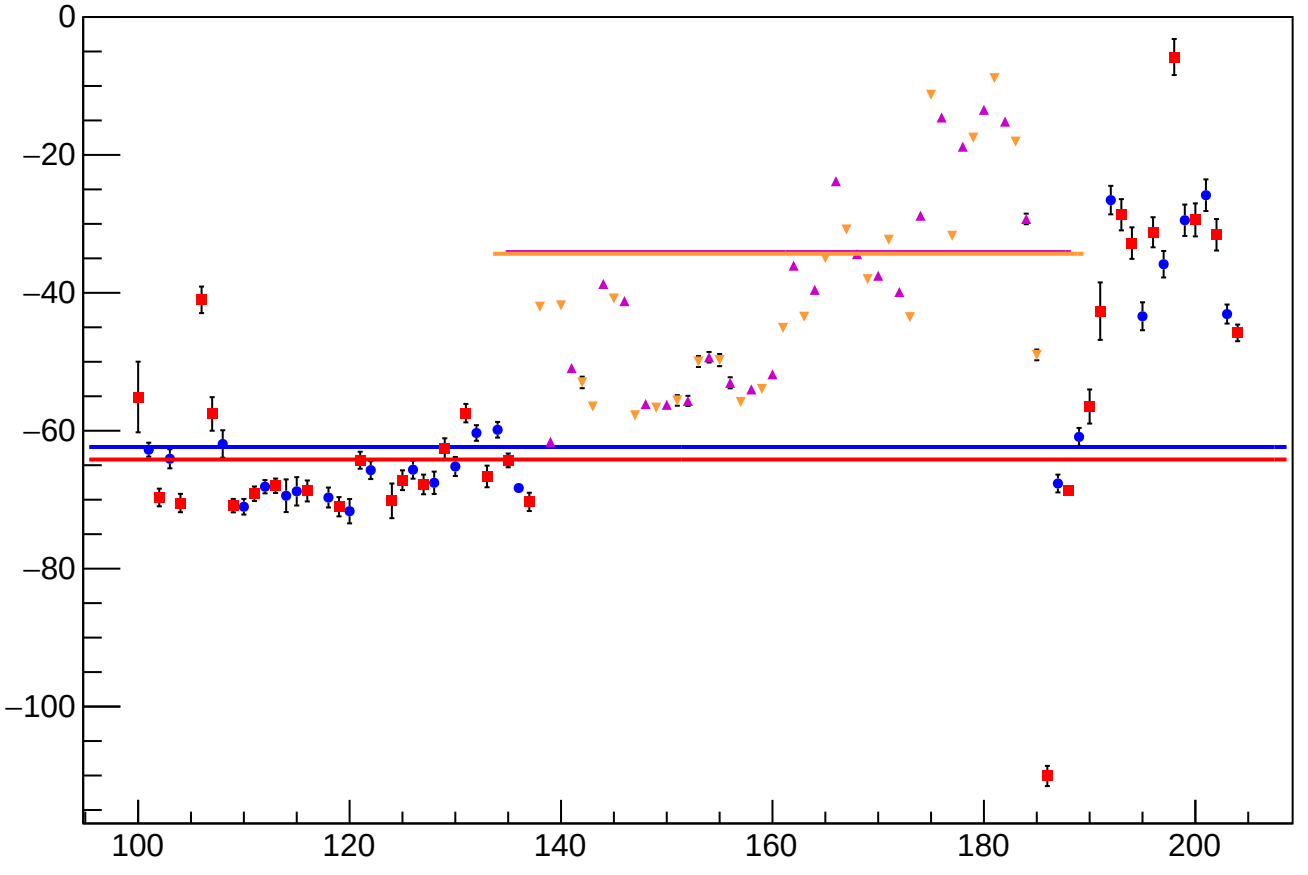
Left: 3.732+/-0.060 χ^2/NDF: 11470.7/47

Right: -1.274+/-0.192 χ^2/NDF: 1667.6/53

In: 3.148+/-0.082 χ^2/NDF:5730.8/46

Out: 3.413+/-0.081 χ^2/NDF:8021.1/54

All: 3.283+/-0.057 χ^2/NDF: 13757.3/101



Right In: -62.357+/-0.271 χ^2/NDF: 1538.8/23

Left Out: -34.334+/-0.108 χ^2/NDF:21200.8/24

Right Out: -64.173+/-0.258 χ^2/NDF: 3247.3/29

Left In: -34.091+/-0.111 χ^2/NDF:17726.5/22

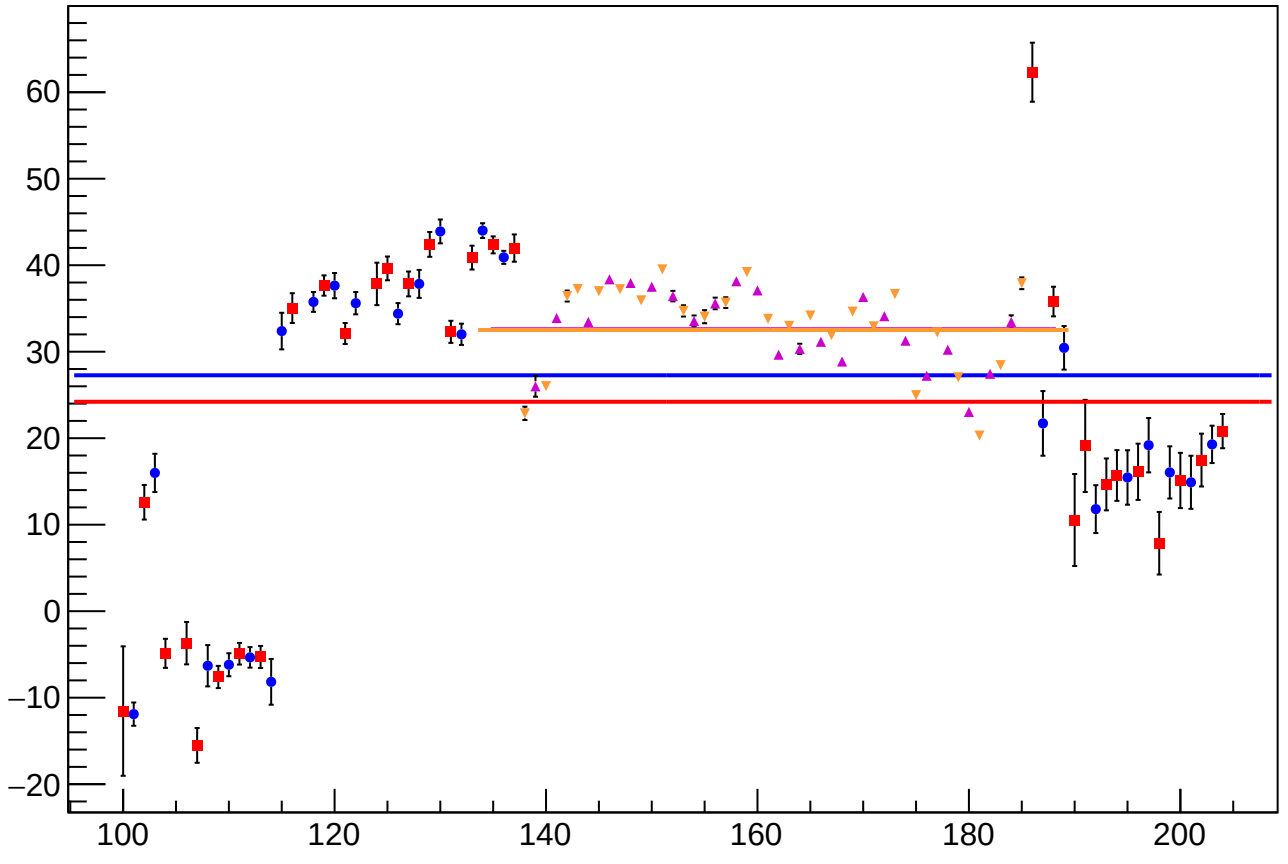
Left: -34.216+/-0.077 χ^2/NDF: 38929.7/47

Right: -63.307+/-0.187 χ^2/NDF: 4809.7/53

In: -38.158+/-0.103 χ^2/NDF:28602.8/46

Out: -38.796+/-0.100 χ^2/NDF:35806.3/54

All: -38.486+/-0.072 χ^2/NDF: 64429.0/101



Right In: 27.274+/-0.305 χ^2/NDF: 3834.1/23

Left Out: 32.511+/-0.095 χ^2/NDF:2938.0/24

Right Out: 24.212+/-0.313 χ^2/NDF: 4080.5/29

Left In: 32.598+/-0.097 χ^2/NDF:2012.9/22

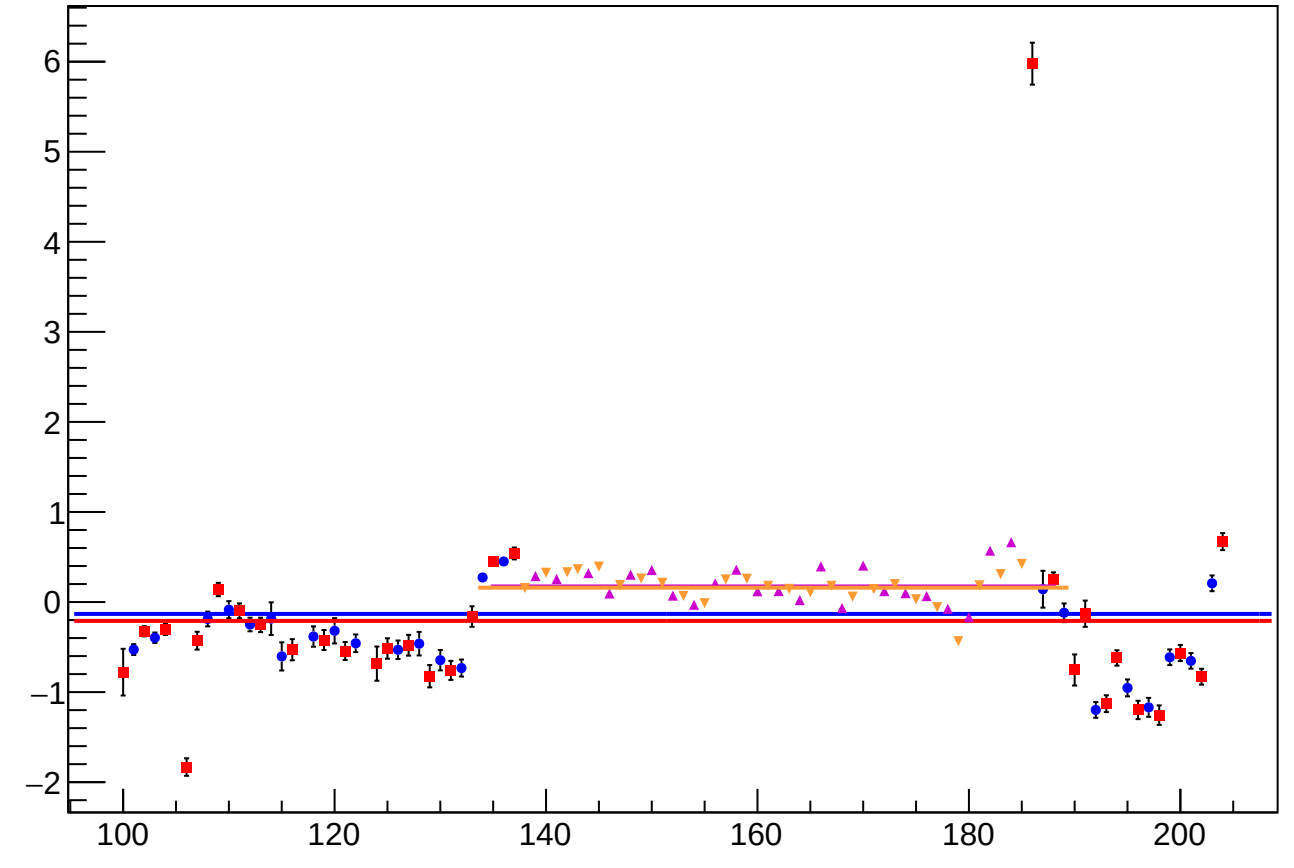
Left: 32.553+/-0.068 χ^2/NDF: 4951.3/47

Right: 25.781+/-0.218 χ^2/NDF: 7963.9/53

In: 32.111+/-0.092 χ^2/NDF:6124.2/46

Out: 31.815+/-0.090 χ^2/NDF:7664.3/54

All: 31.960+/-0.065 χ^2/NDF: 13793.7/101



Right In: -0.132+/-0.015 χ^2/NDF: 1042.0/23

Left Out: 0.160+/-0.004 χ^2/NDF:1613.0/24

Right Out: -0.209+/-0.016 χ^2/NDF: 2040.1/29

Left In: 0.173+/-0.004 χ^2/NDF:2129.7/22

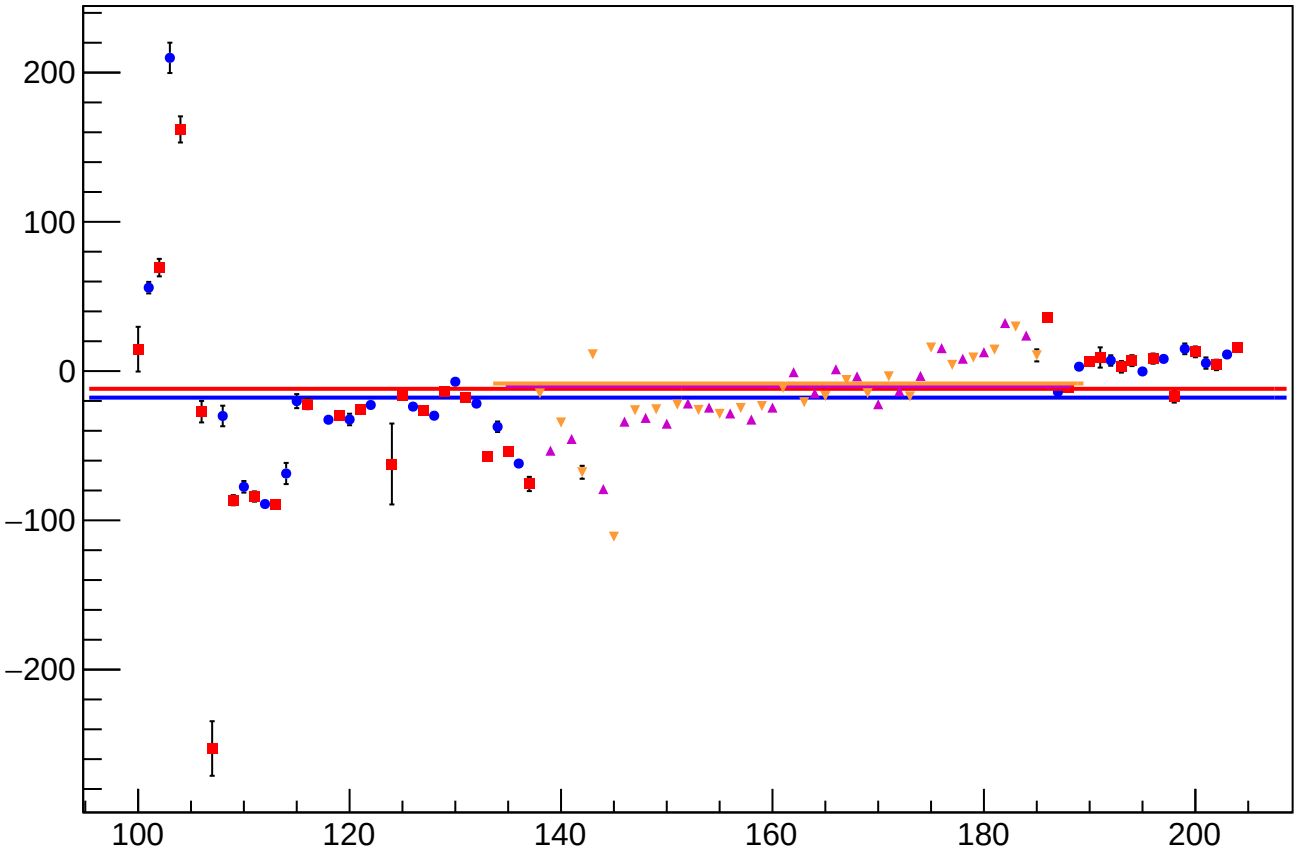
Left: 0.166+/-0.003 χ^2/NDF: 3747.7/47

Right: -0.169+/-0.011 χ^2/NDF: 3094.1/53

In: 0.151+/-0.004 χ^2/NDF:3532.3/46

Out: 0.136+/-0.004 χ^2/NDF:4144.8/54

All: 0.143+/-0.003 χ^2/NDF: 7684.0/101



Right In: -17.776+/-0.639 χ^2/NDF: 2652.7/23

Left Out: -8.298+/-0.514 χ^2/NDF:2559.6/24

Right Out: -11.871+/-0.556 χ^2/NDF: 4258.3/29

Left In: -10.183+/-0.526 χ^2/NDF:2518.4/22

Left: -9.217+/-0.368 χ^2/NDF: 5084.6/47

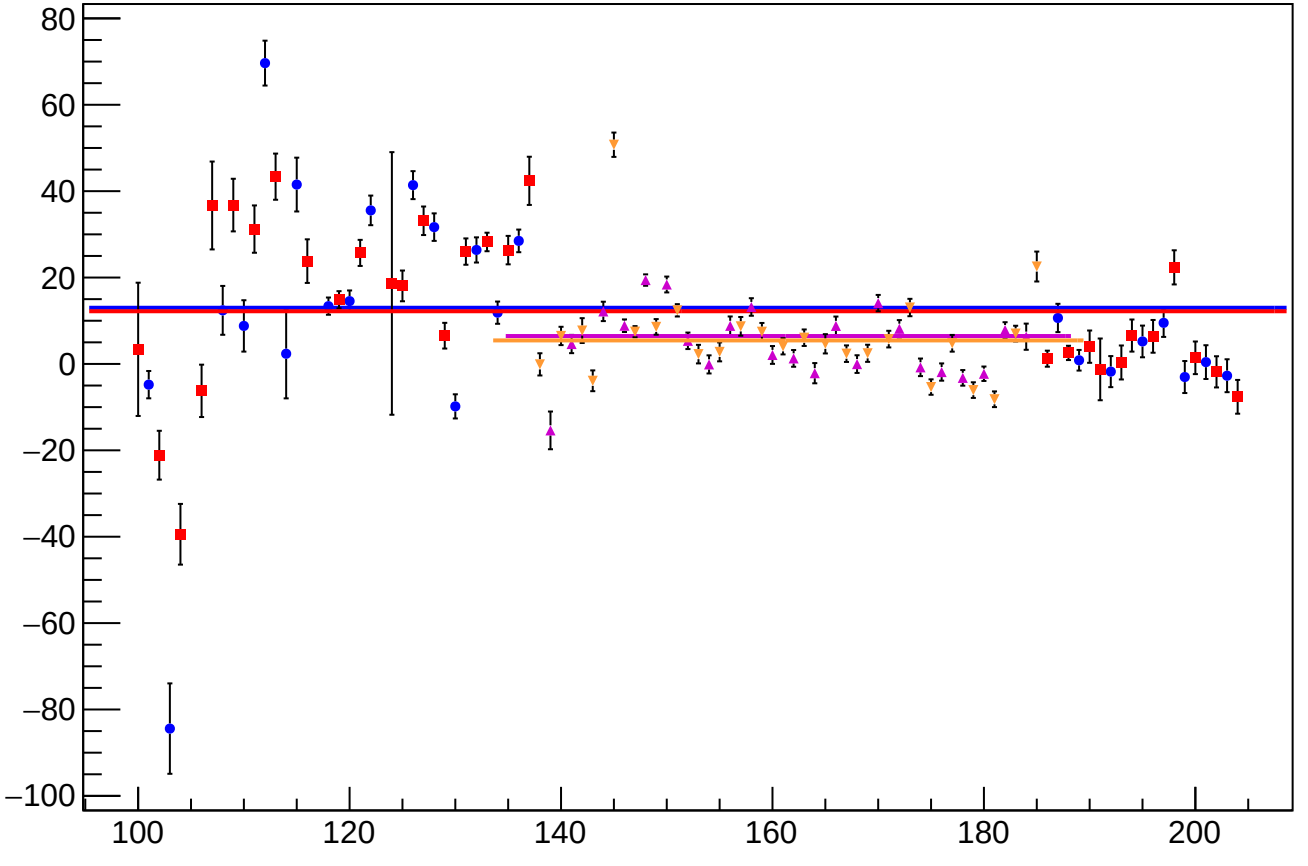
Right: -14.419+/-0.420 χ^2/NDF: 6959.6/53

In: -13.253+/-0.406 χ^2/NDF:5255.3/46

Out: -9.941+/-0.377 χ^2/NDF:6840.2/54

All: -11.476+/-0.276 χ^2/NDF: 12131.2/101

reg_asym_atl1_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 13.007+/-0.674 χ^2/NDF: 632.6/23

Left Out: 5.445+/-0.394 χ^2/NDF:493.7/24

Right Out: 12.197+/-0.626 χ^2/NDF: 511.0/29

Left In: 6.461+/-0.408 χ^2/NDF:336.0/22

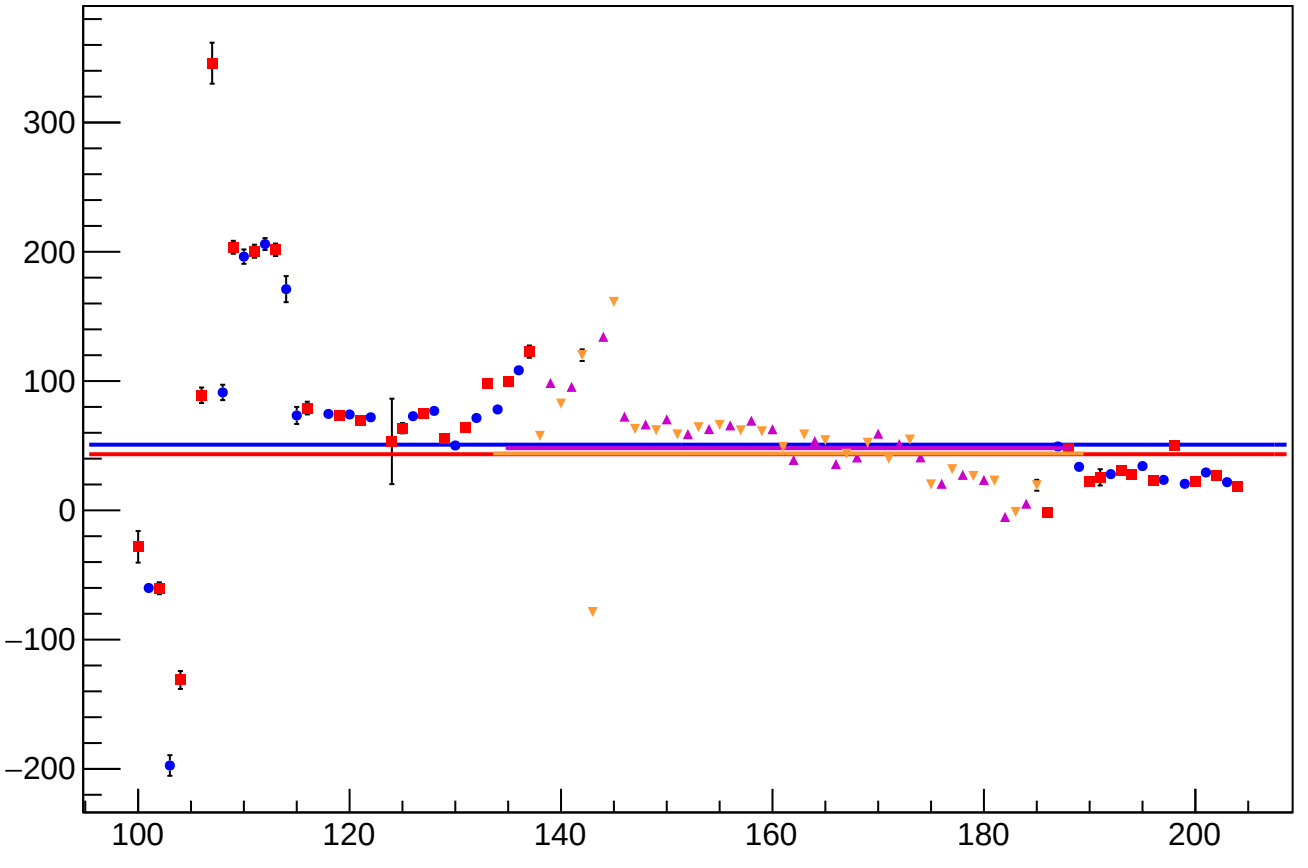
Left: 5.936+/-0.283 χ^2/NDF: 832.9/47

Right: 12.571+/-0.459 χ^2/NDF: 1144.4/53

In: 8.216+/-0.349 χ^2/NDF:1037.5/46

Out: 7.362+/-0.333 χ^2/NDF:1088.2/54

All: 7.769+/-0.241 χ^2/NDF: 2128.8/101



Right In: 50.798+/-0.625 χ^2/NDF: 5860.9/23

Left Out: 44.040+/-0.510 χ^2/NDF:4563.8/24

Right Out: 43.406+/-0.521 χ^2/NDF: 7704.7/29

Left In: 48.076+/-0.521 χ^2/NDF:3376.5/22

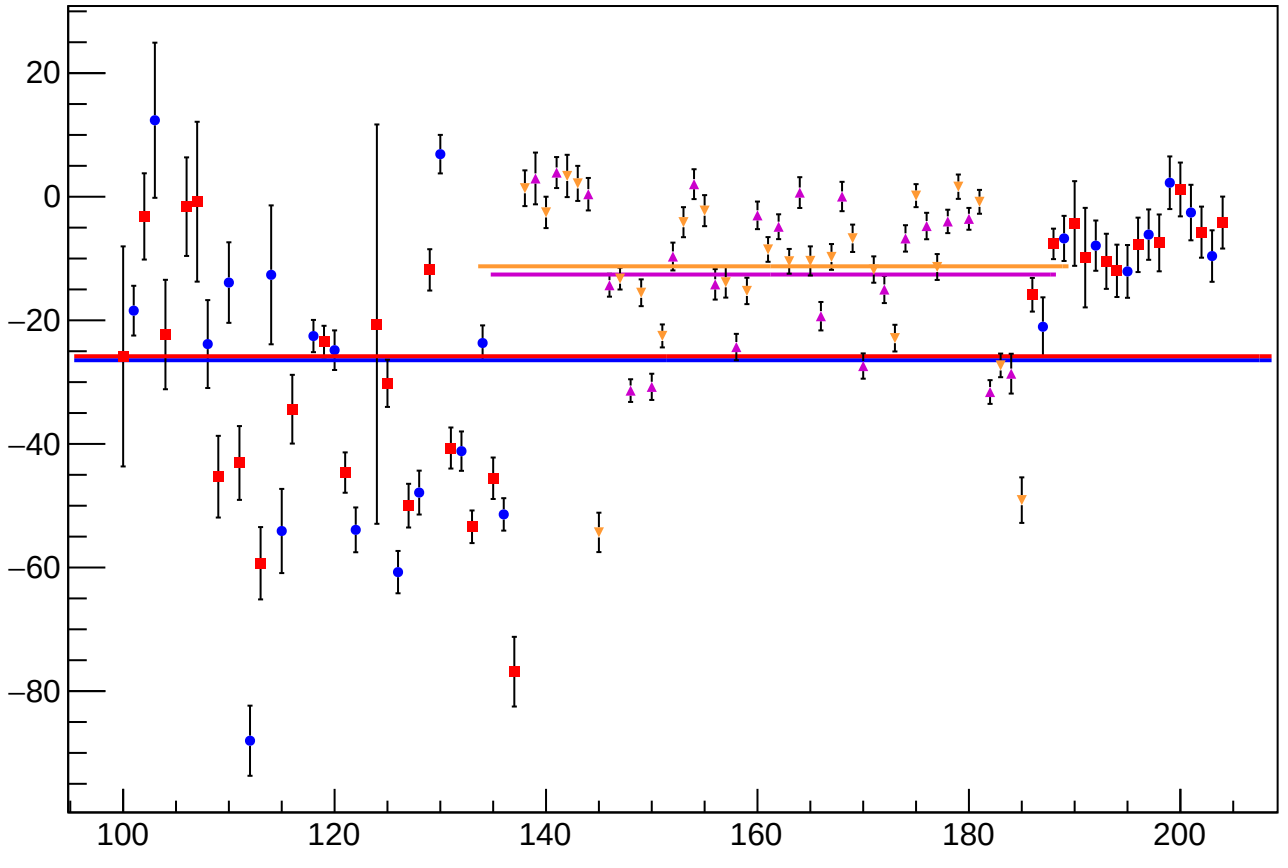
Left: 46.014+/-0.364 χ^2/NDF: 7970.9/47

Right: 46.434+/-0.400 χ^2/NDF: 13648.2/53

In: 49.193+/-0.400 χ^2/NDF:9248.6/46

Out: 43.730+/-0.364 χ^2/NDF:12269.2/54

All: 46.204+/-0.269 χ^2/NDF: 21619.7/101



Right In: -26.455+/-0.795 χ^2/NDF: 754.1/23

Left Out: -11.260+/-0.445 χ^2/NDF:643.3/24

Right Out: -25.812+/-0.762 χ^2/NDF: 646.6/29

Left In: -12.589+/-0.459 χ^2/NDF:671.8/22

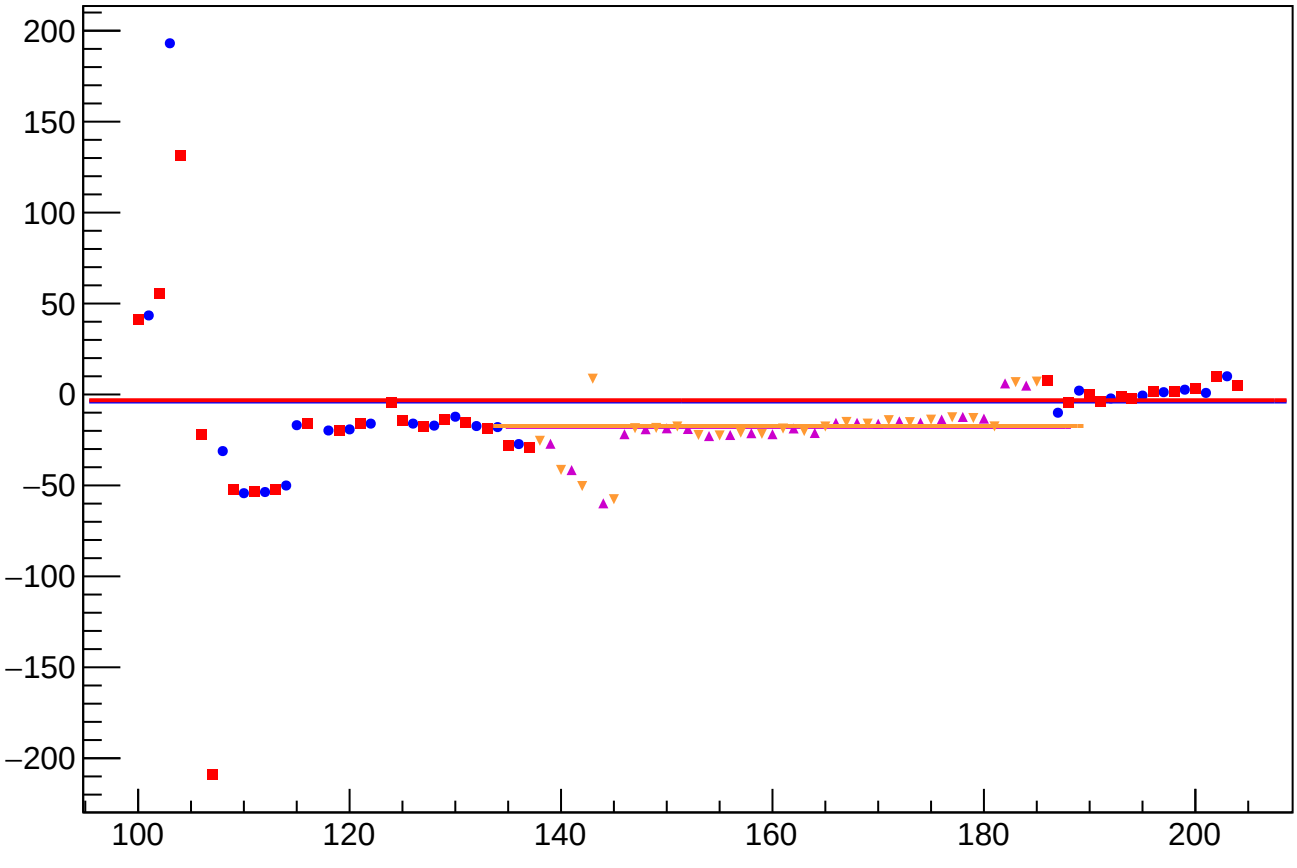
Left: -11.904+/-0.319 χ^2/NDF: 1319.4/47

Right: -26.120+/-0.550 χ^2/NDF: 1401.0/53

In: -16.056+/-0.397 χ^2/NDF:1654.3/46

Out: -14.957+/-0.384 χ^2/NDF:1561.7/54

All: -15.488+/-0.276 χ^2/NDF: 3219.9/101



Right In: -3.865+/-0.038 χ^2/NDF: 552156.7/23

Left Out: -17.330+/-0.020 χ^2/NDF:347790.9/24

Right Out: -3.176+/-0.036 χ^2/NDF: 497490.4/29

Left In: -17.829+/-0.020 χ^2/NDF:267426.0/22

Left: -17.576+/-0.014 χ^2/NDF: 615524.8/47

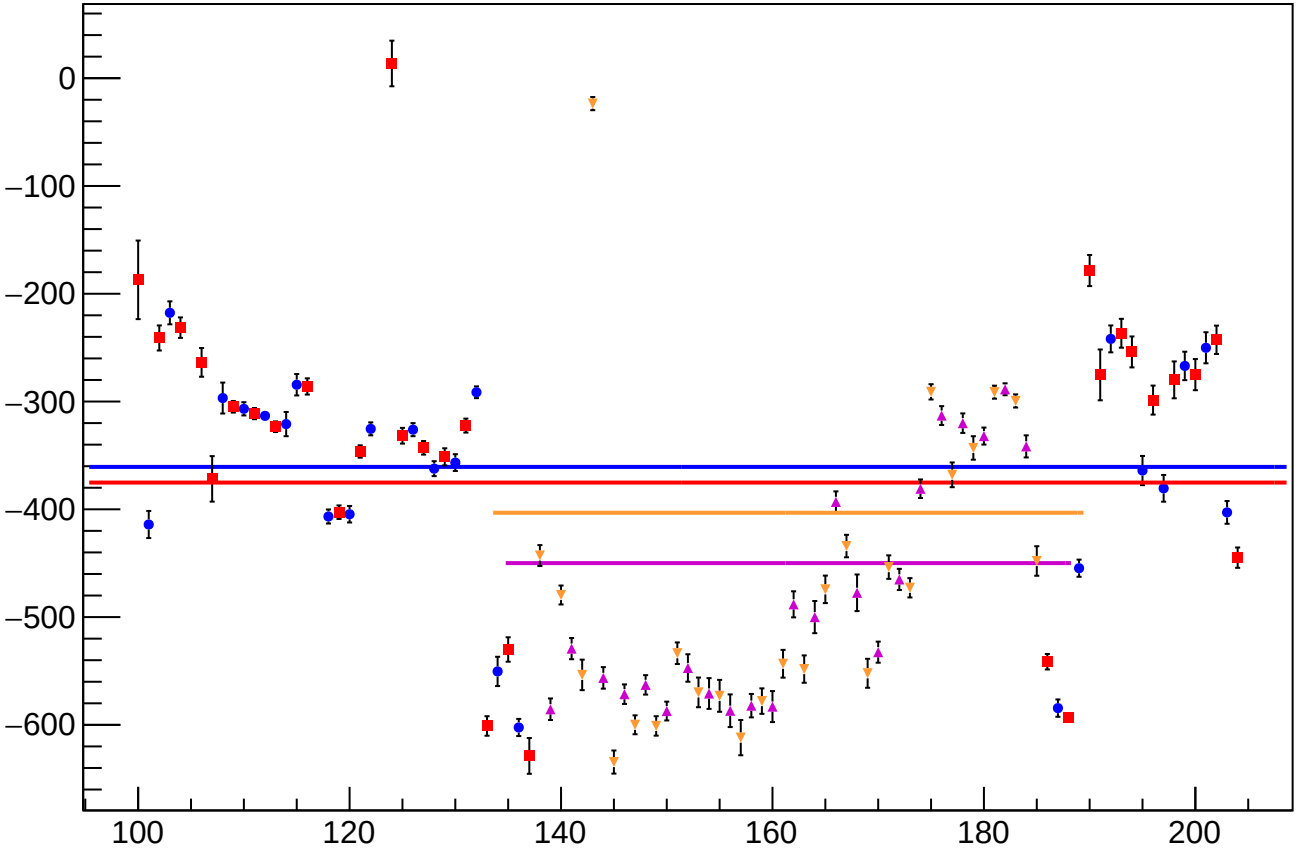
Right: -3.505+/-0.026 χ^2/NDF: 1049822.4/53

In: -14.686+/-0.018 χ^2/NDF:926204.6/46

Out: -13.991+/-0.017 χ^2/NDF:963822.9/54

All: -14.330+/-0.012 χ^2/NDF: 1890800.6/101

reg_asym_atl2_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -360.655+/-1.645 χ^2/NDF: 3030.8/23

Left Out: -403.195+/-1.928 χ^2/NDF:7750.3/24

Right Out: -375.187+/-1.500 χ^2/NDF: 6347.5/29

Left In: -449.912+/-2.043 χ^2/NDF:3218.9/22

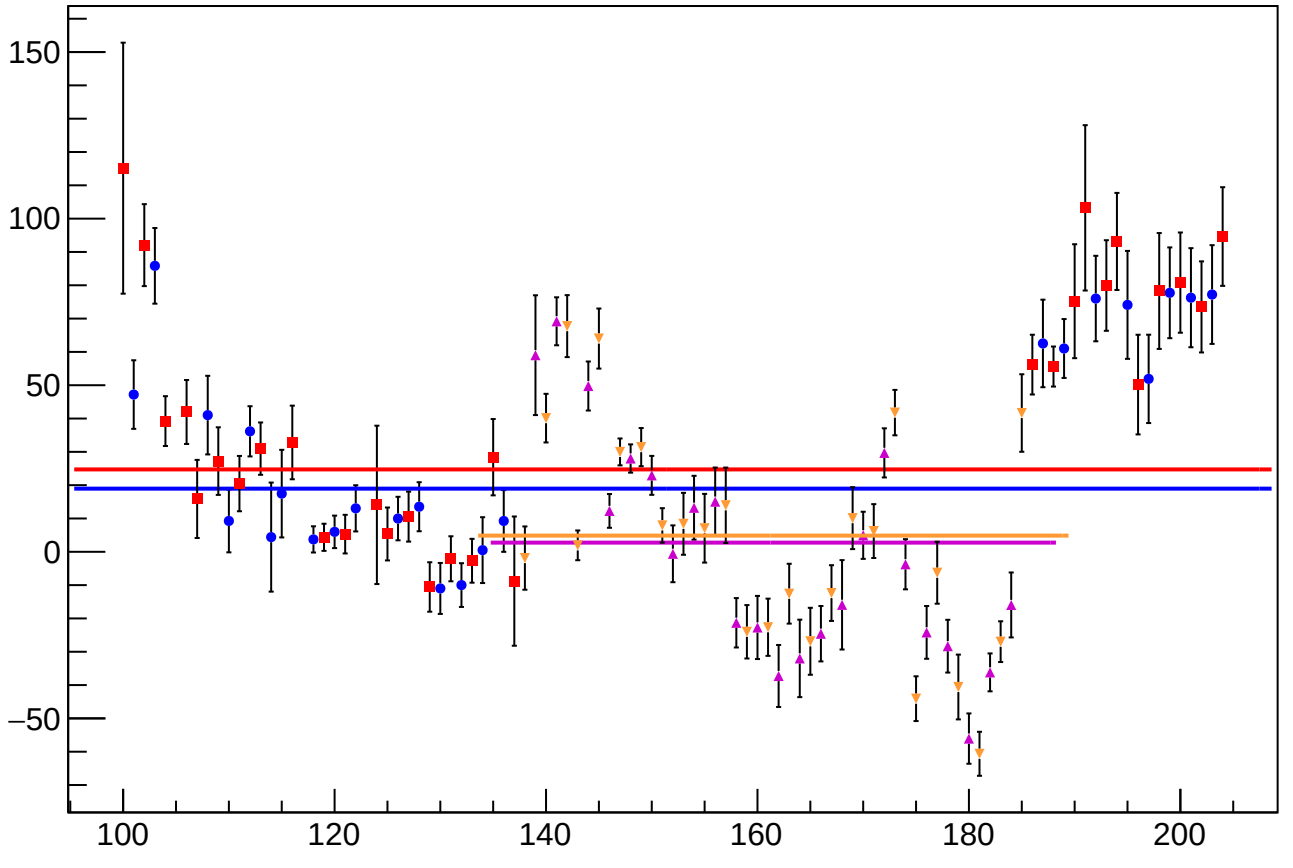
Left: -425.194+/-1.402 χ^2/NDF: 11245.8/47

Right: -368.589+/-1.109 χ^2/NDF: 9420.9/53

In: -395.763+/-1.281 χ^2/NDF:7407.5/46

Out: -385.752+/-1.184 χ^2/NDF:14229.2/54

All: -390.362+/-0.870 χ^2/NDF: 21669.6/101



Right In: 18.958+/-1.707 χ^2/NDF: 237.6/23

Left Out: 4.858+/-1.447 χ^2/NDF:457.2/24

Right Out: 24.727+/-1.648 χ^2/NDF: 306.8/29

Left In: 2.756+/-1.554 χ^2/NDF:399.6/22

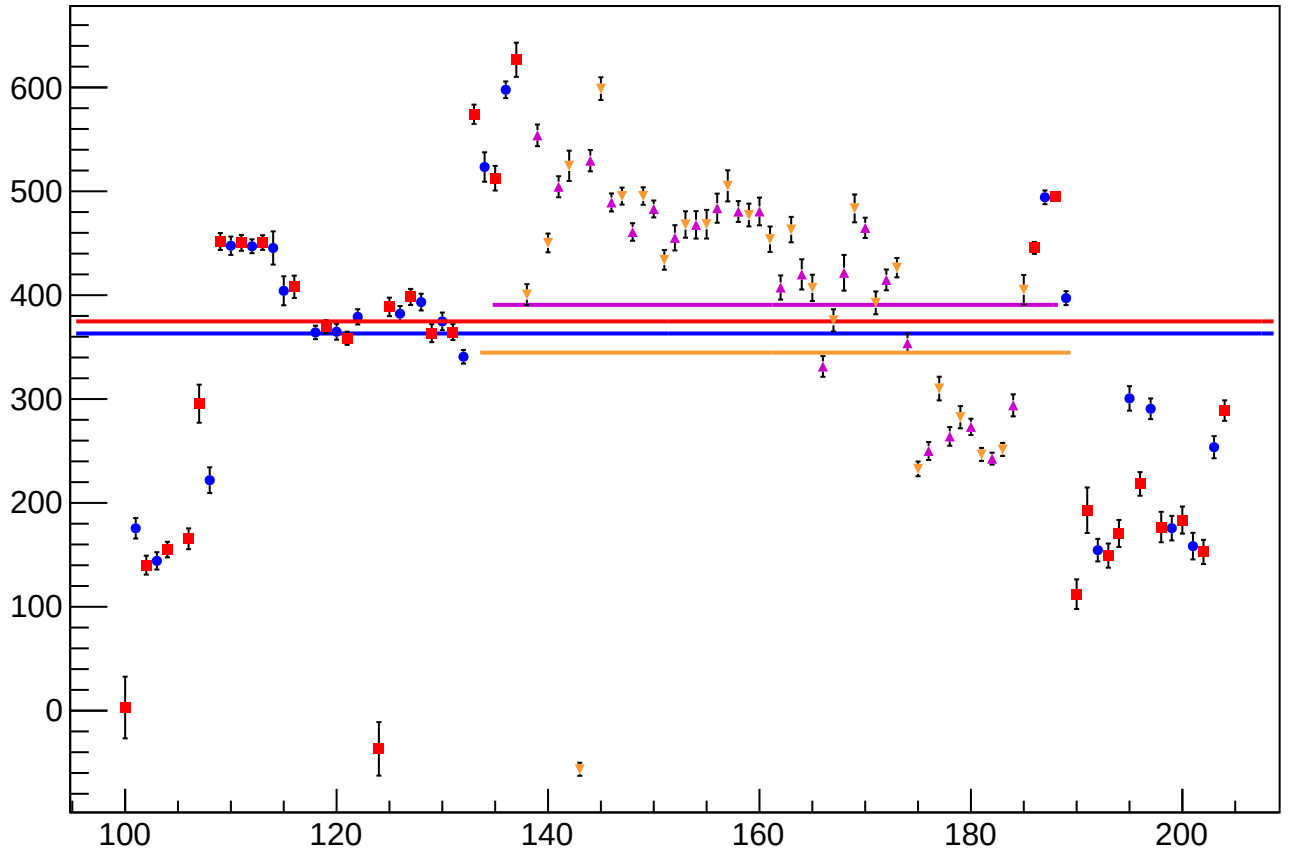
Left: 3.882+/-1.059 χ^2/NDF: 857.8/47

Right: 21.944+/-1.186 χ^2/NDF: 550.3/53

In: 10.099+/-1.149 χ^2/NDF:686.4/46

Out: 13.507+/-1.087 χ^2/NDF:846.1/54

All: 11.898+/-0.790 χ^2/NDF: 1537.2/101



Right In: 363.112+/-1.771 χ^2/NDF: 3963.2/23

Left Out: 344.680+/-1.924 χ^2/NDF:7278.2/24

Right Out: 374.761+/-1.565 χ^2/NDF: 6980.7/29

Left In: 390.672+/-2.029 χ^2/NDF:2672.8/22

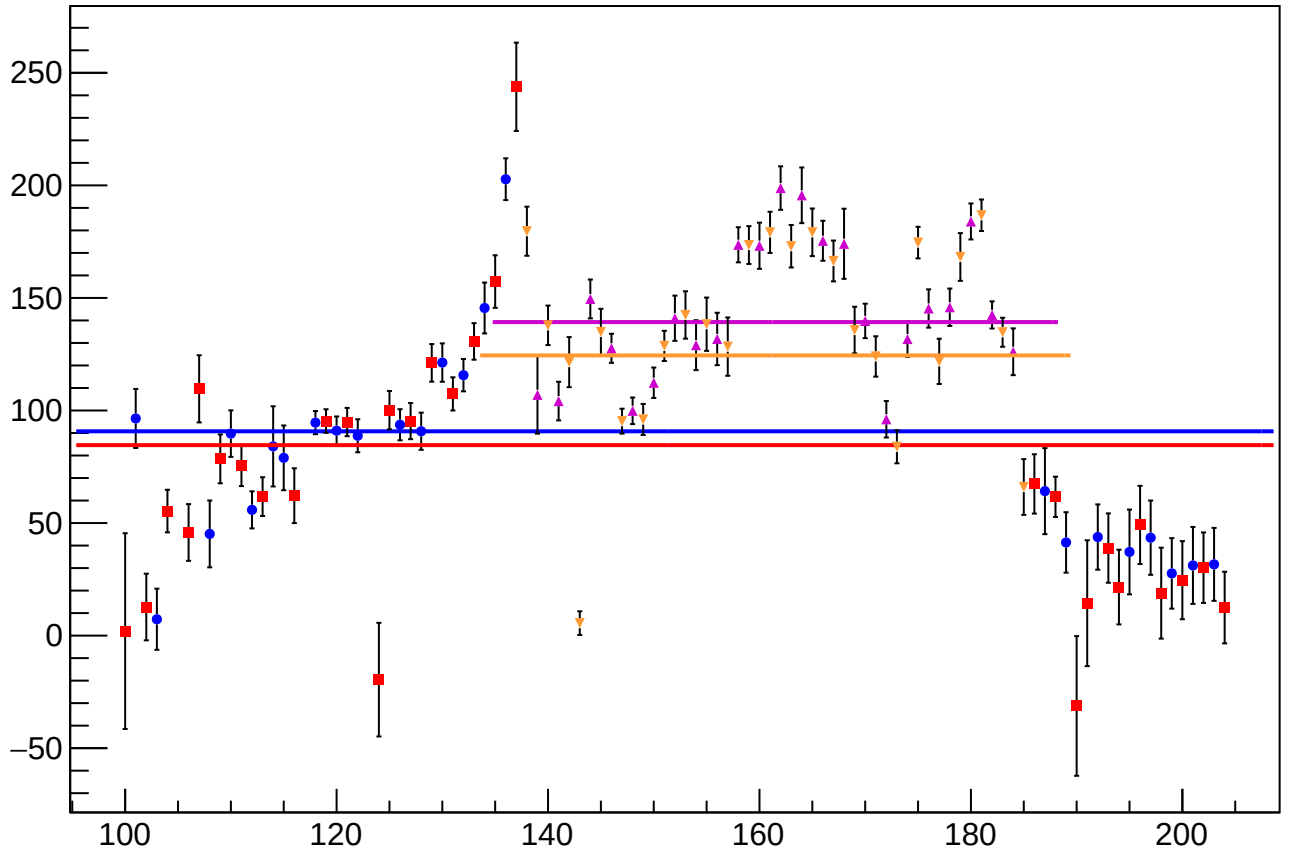
Left: 366.451+/-1.396 χ^2/NDF: 10221.5/47

Right: 369.653+/-1.173 χ^2/NDF: 10968.3/53

In: 375.026+/-1.334 χ^2/NDF:6740.7/46

Out: 362.783+/-1.214 χ^2/NDF:14406.0/54

All: 368.328+/-0.898 χ^2/NDF: 21192.8/101



Right In: 90.753+/-2.007 χ^2/NDF: 344.9/23

Left Out: 124.466+/-1.662 χ^2/NDF:937.6/24

Right Out: 84.611+/-1.945 χ^2/NDF: 366.7/29

Left In: 139.274+/-1.769 χ^2/NDF:260.9/22

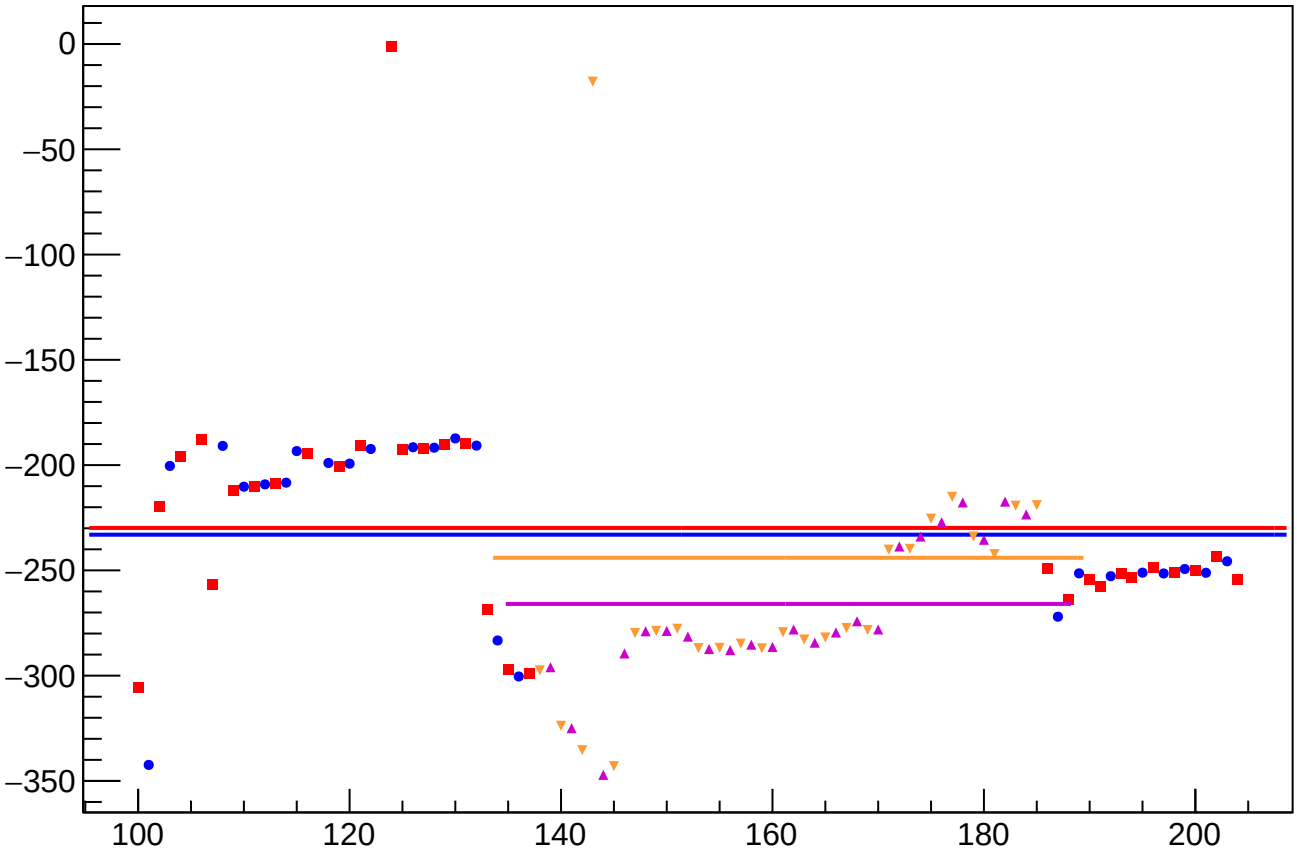
Left: 131.406+/-1.211 χ^2/NDF: 1235.7/47

Right: 87.587+/-1.397 χ^2/NDF: 716.4/53

In: 118.050+/-1.327 χ^2/NDF:934.7/46

Out: 107.653+/-1.264 χ^2/NDF:1546.9/54

All: 112.597+/-0.915 χ^2/NDF: 2513.8/101



Right In: -233.049+/-0.112 χ^2/NDF: 135575.9/23

Left Out: -244.021+/-0.077 χ^2/NDF:997959.6/24

Right Out: -229.850+/-0.105 χ^2/NDF: 111194.3/29

Left In: -265.945+/-0.081 χ^2/NDF:169943.2/22

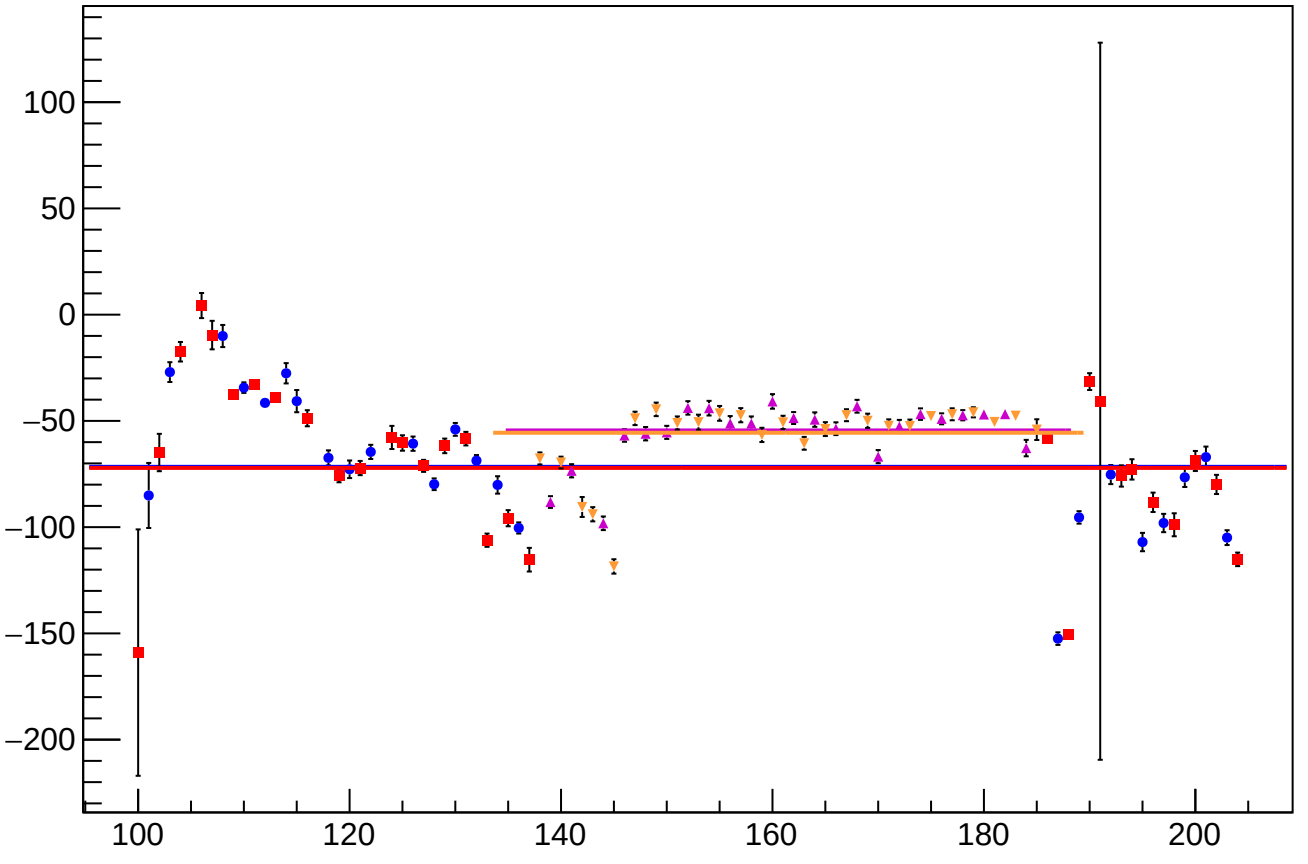
Left: -254.542+/-0.056 χ^2/NDF: 1206480.5/47

Right: -231.347+/-0.077 χ^2/NDF: 247201.4/53

In: -254.786+/-0.065 χ^2/NDF:362163.5/46

Out: -239.059+/-0.062 χ^2/NDF:1120910.4/54

All: -246.541+/-0.045 χ^2/NDF: 1513352.6/10



Right In: -71.619+/-0.705 χ^2/NDF: 1969.9/23

Left Out: -55.575+/-0.590 χ^2/NDF:686.5/24

Right Out: -72.116+/-0.611 χ^2/NDF: 3952.7/29

Left In: -54.499+/-0.606 χ^2/NDF:500.4/22

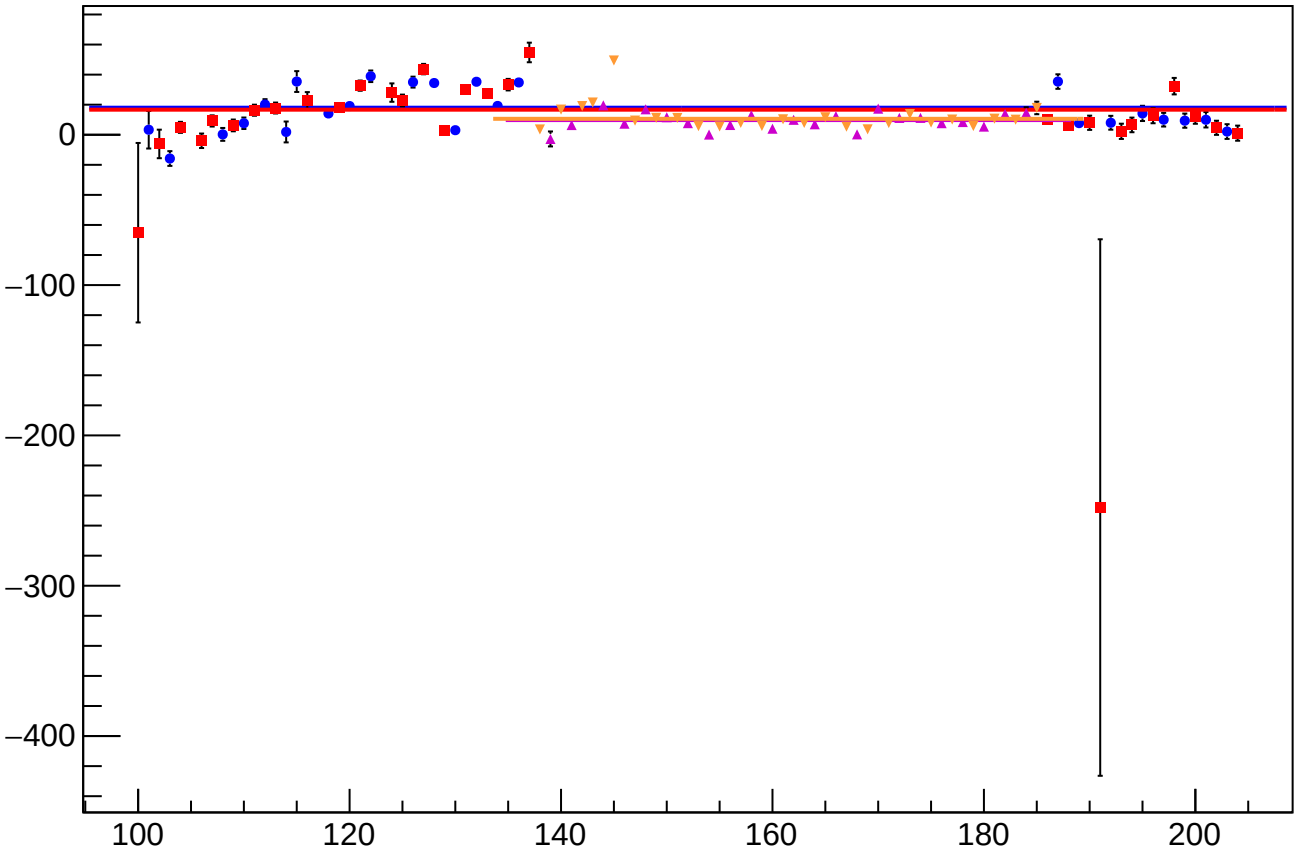
Left: -55.052+/-0.423 χ^2/NDF: 1188.5/47

Right: -71.903+/-0.462 χ^2/NDF: 5922.8/53

In: -61.779+/-0.460 χ^2/NDF:2809.4/46

Out: -63.552+/-0.425 χ^2/NDF:5018.1/54

All: -62.735+/-0.312 χ^2/NDF: 7835.5/101



Right In: 17.995+/-0.761 χ^2/NDF: 299.8/23

Left Out: 10.603+/-0.449 χ^2/NDF:255.2/24

Right Out: 16.683+/-0.689 χ^2/NDF: 319.1/29

Left In: 9.765+/-0.467 χ^2/NDF:121.0/22

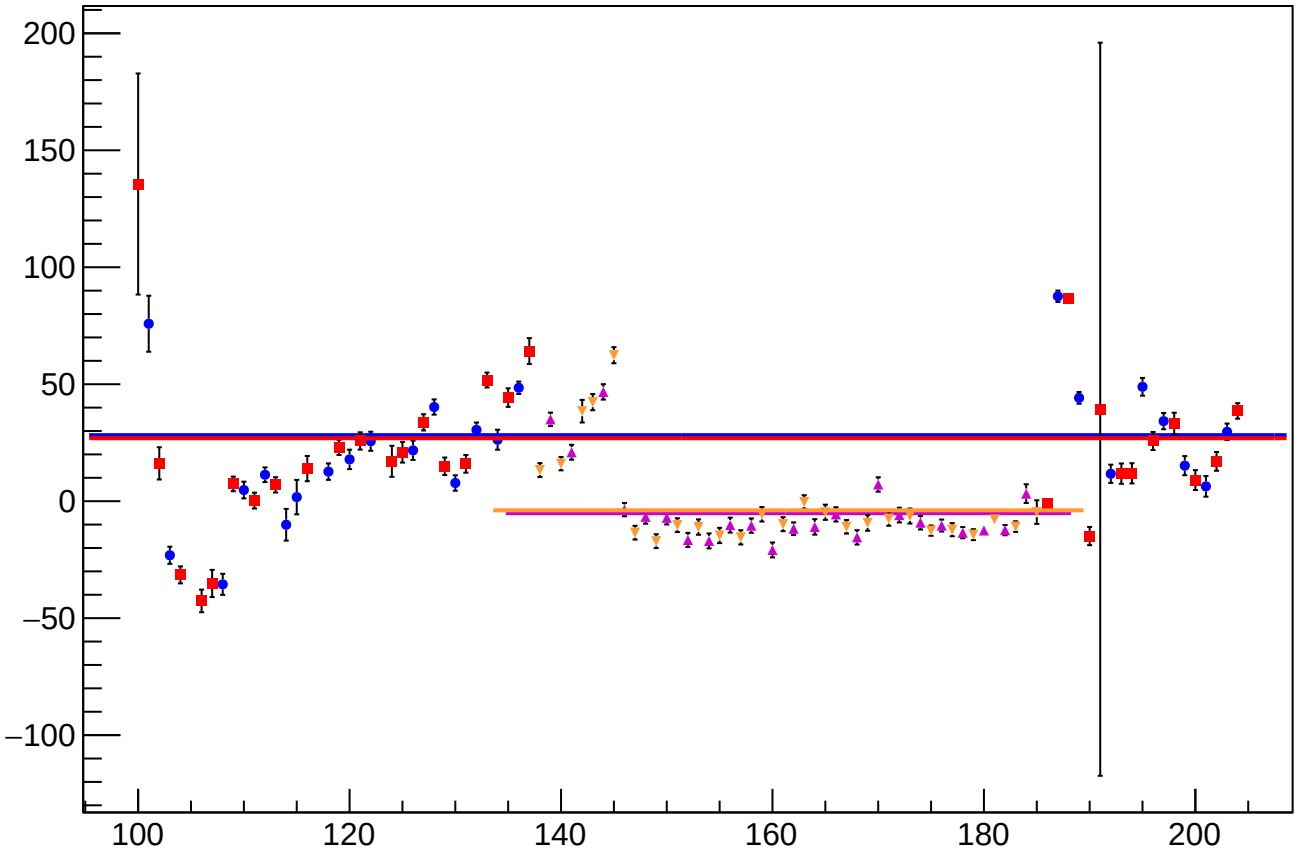
Left: 10.200+/-0.324 χ^2/NDF: 377.8/47

Right: 17.274+/-0.511 χ^2/NDF: 620.6/53

In: 12.015+/-0.398 χ^2/NDF:505.8/46

Out: 12.418+/-0.376 χ^2/NDF:628.9/54

All: 12.228+/-0.273 χ^2/NDF: 1135.2/101



Right In: 28.227+/-0.739 χ^2/NDF: 1393.5/23

Left Out: -3.895+/-0.585 χ^2/NDF:850.2/24

Right Out: 26.921+/-0.615 χ^2/NDF: 3317.3/29

Left In: -5.124+/-0.600 χ^2/NDF:649.7/22

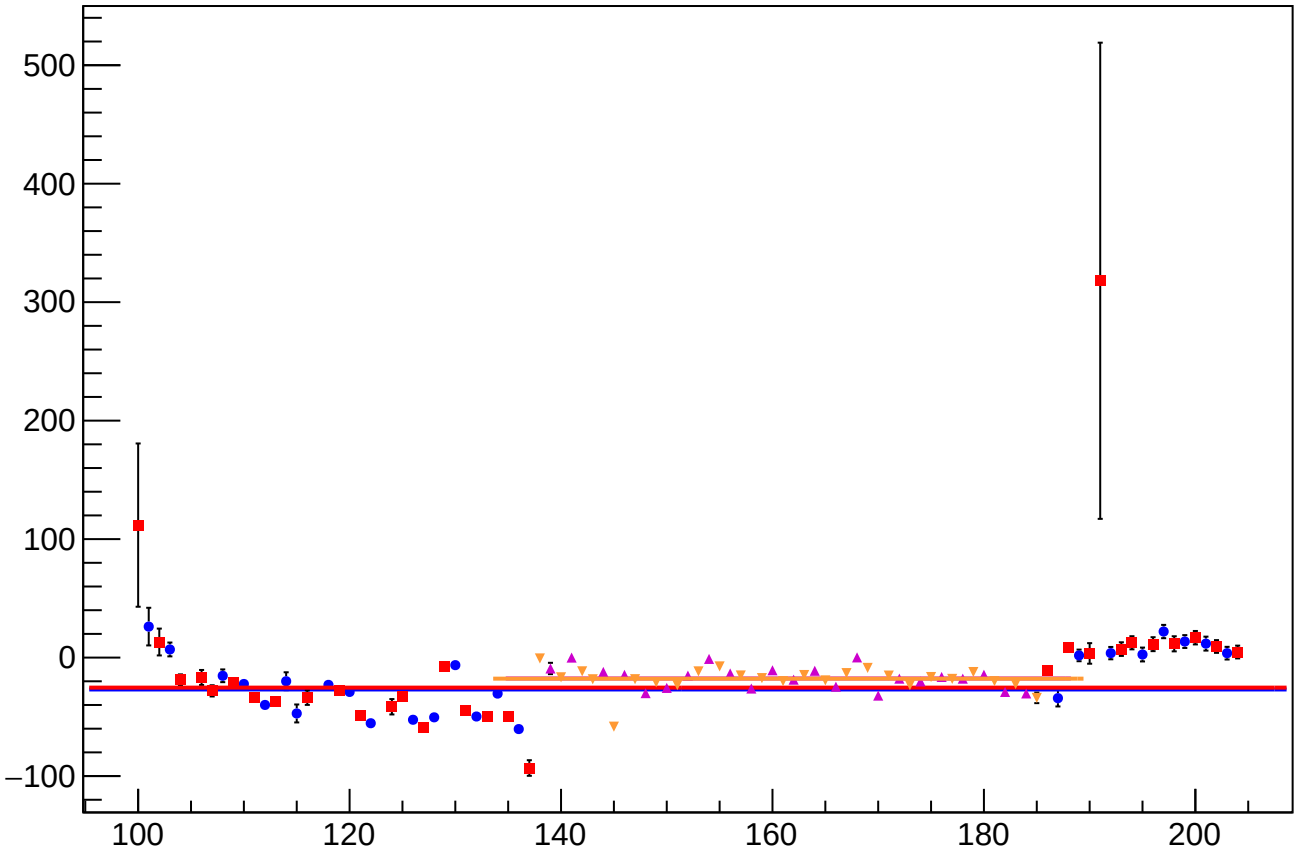
Left: -4.494+/-0.419 χ^2/NDF: 1502.0/47

Right: 27.455+/-0.473 χ^2/NDF: 4712.6/53

In: 8.112+/-0.466 χ^2/NDF:3271.0/46

Out: 10.757+/-0.424 χ^2/NDF:5486.5/54

All: 9.559+/-0.313 χ^2/NDF: 8775.2/101



Right In: -26.906+/-0.885 χ^2/NDF: 714.8/23

Left Out: -17.776+/-0.509 χ^2/NDF:251.6/24

Right Out: -25.345+/-0.825 χ^2/NDF: 849.2/29

Left In: -17.643+/-0.526 χ^2/NDF:285.9/22

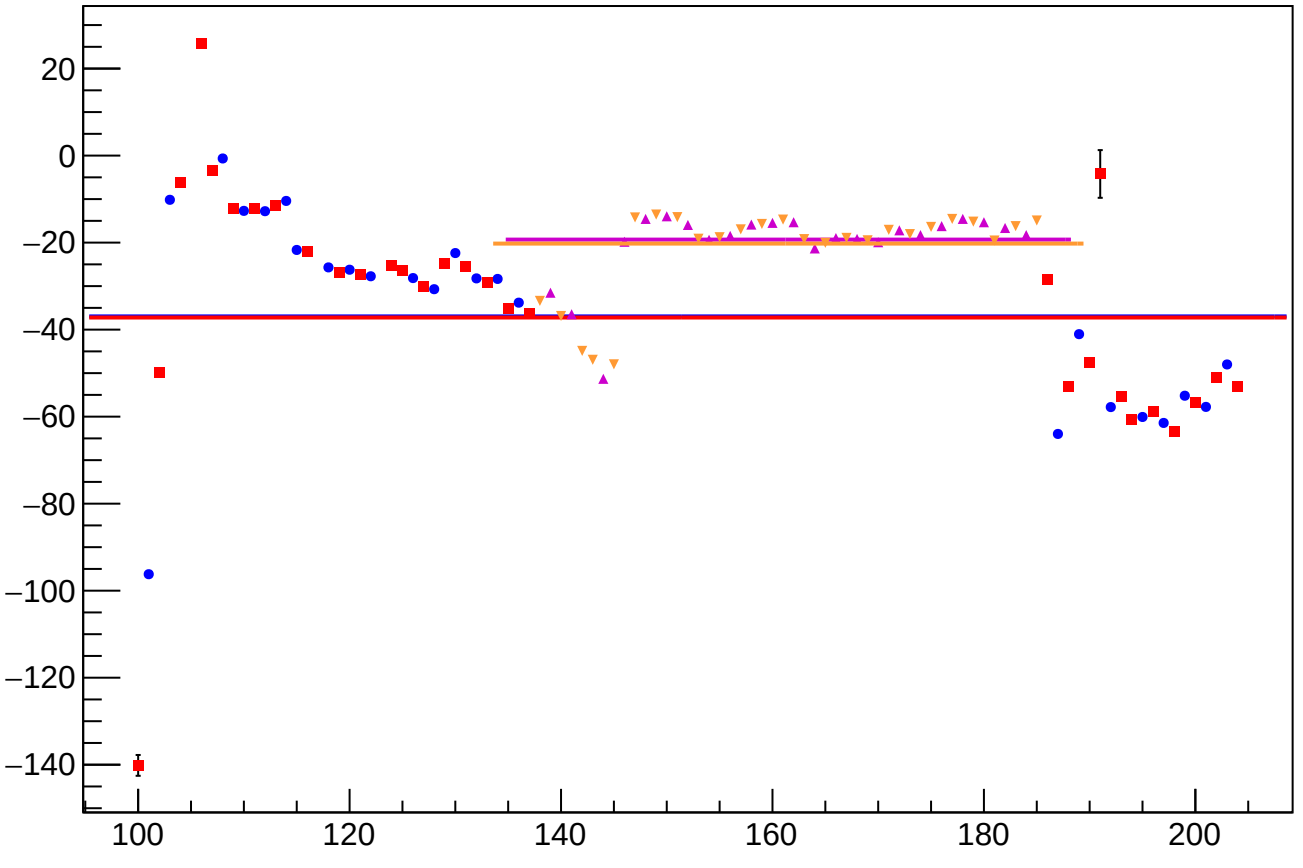
Left: -17.712+/-0.366 χ^2/NDF: 537.5/47

Right: -26.071+/-0.604 χ^2/NDF: 1565.7/53

In: -20.061+/-0.452 χ^2/NDF:1081.6/46

Out: -19.861+/-0.433 χ^2/NDF:1161.8/54

All: -19.957+/-0.313 χ^2/NDF: 2243.5/101



Right In: -36.959+/-0.044 χ^2/NDF: 197279.7/23

Left Out: -20.227+/-0.023 χ^2/NDF:147352.7/24

Right Out: -37.216+/-0.042 χ^2/NDF: 275071.4/29

Left In: -19.310+/-0.023 χ^2/NDF:93090.9/22

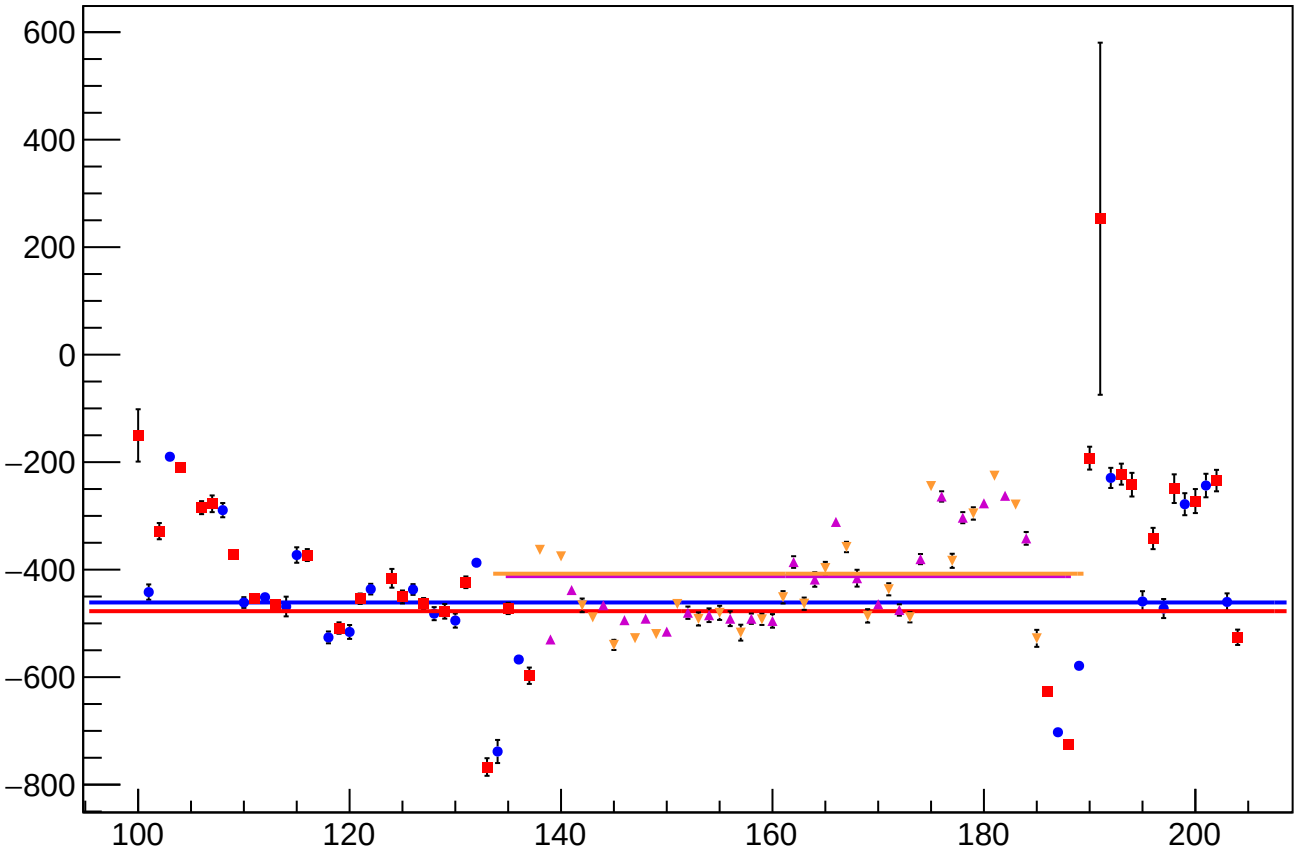
Left: -19.776+/-0.016 χ^2/NDF: 241234.1/47

Right: -37.093+/-0.030 χ^2/NDF: 472369.2/53

In: -23.221+/-0.021 χ^2/NDF:417895.1/46

Out: -24.147+/-0.020 χ^2/NDF:549912.7/54

All: -23.695+/-0.014 χ^2/NDF: 968850.2/101



Right In: -461.055+/-2.362 χ^2/NDF: 2806.2/23

Left Out: -407.554+/-1.951 χ^2/NDF:2872.6/24

Right Out: -477.269+/-2.058 χ^2/NDF: 6089.1/29

Left In: -412.102+/-2.008 χ^2/NDF:2182.3/22

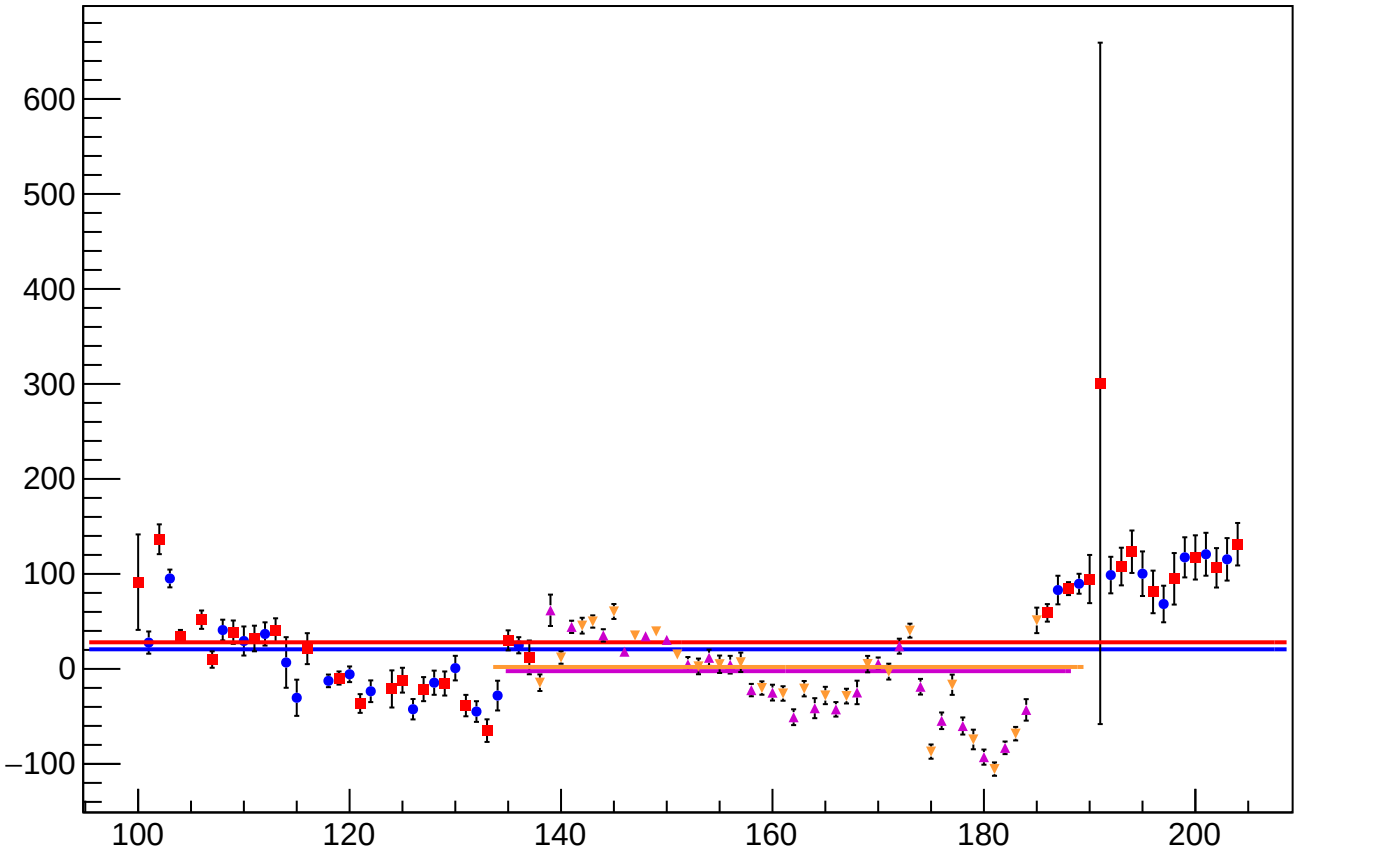
Left: -409.762+/-1.399 χ^2/NDF: 5057.5/47

Right: -470.273+/-1.551 χ^2/NDF: 8922.0/53

In: -432.644+/-1.530 χ^2/NDF:5237.8/46

Out: -440.558+/-1.416 χ^2/NDF:9566.1/54

All: -436.908+/-1.039 χ^2/NDF: 14818.3/101



Right In: 20.629+/-2.490 χ^2/NDF: 370.8/23

Left Out: 2.035+/-1.426 χ^2/NDF:910.7/24

Right Out: 28.016+/-2.225 χ^2/NDF: 458.2/29

Left In: -2.365+/-1.482 χ^2/NDF:733.4/22

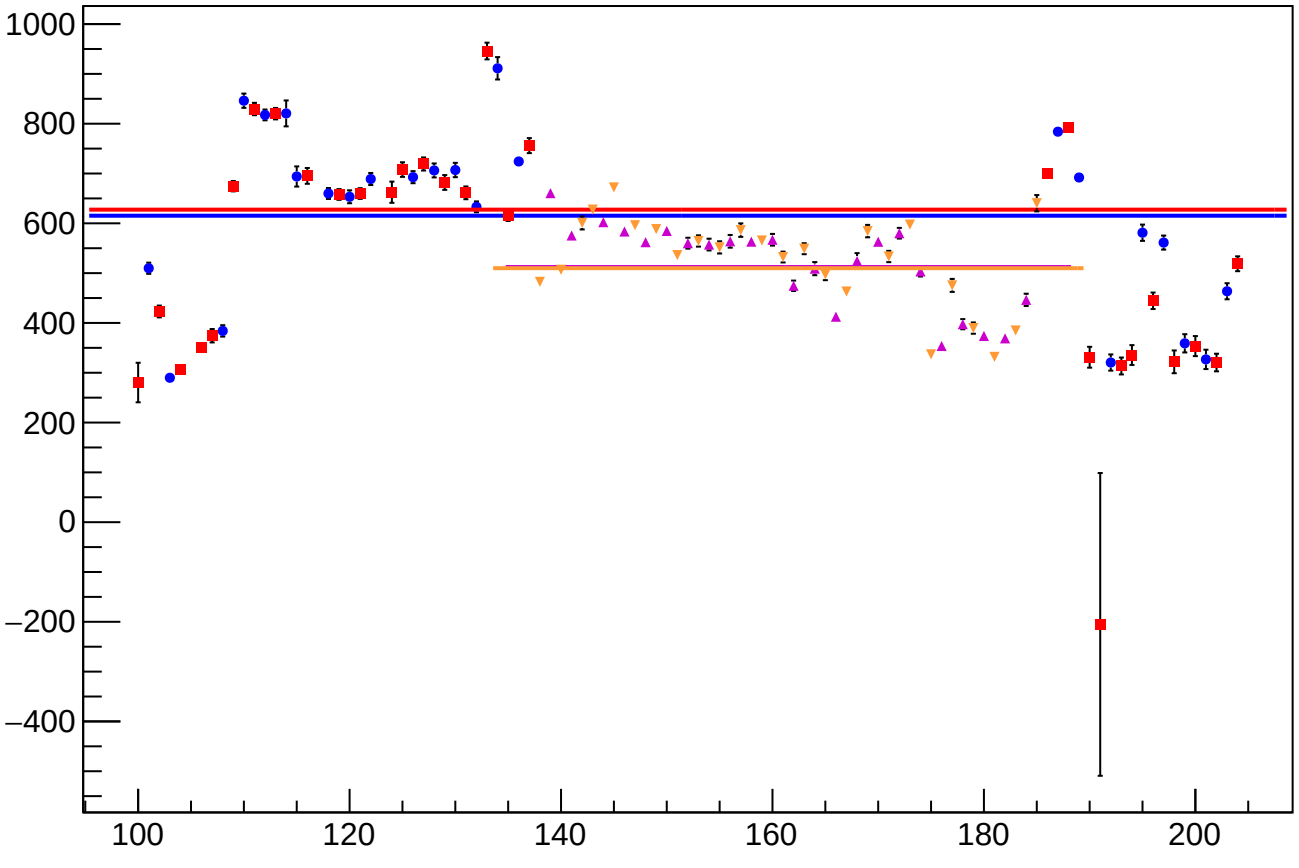
Left: -0.080+/-1.028 χ^2/NDF: 1648.7/47

Right: 24.736+/-1.659 χ^2/NDF: 833.9/53

In: 3.652+/-1.274 χ^2/NDF:1167.1/46

Out: 9.597+/-1.201 χ^2/NDF:1465.5/54

All: 6.800+/-0.874 χ^2/NDF: 2644.2/101



Right In: 615.276+/-2.388 χ^2/NDF: 5333.0/23

Left Out: 509.912+/-1.936 χ^2/NDF:2662.6/24

Right Out: 627.455+/-2.010 χ^2/NDF: 8621.3/29

Left In: 512.270+/-1.984 χ^2/NDF:2087.6/22

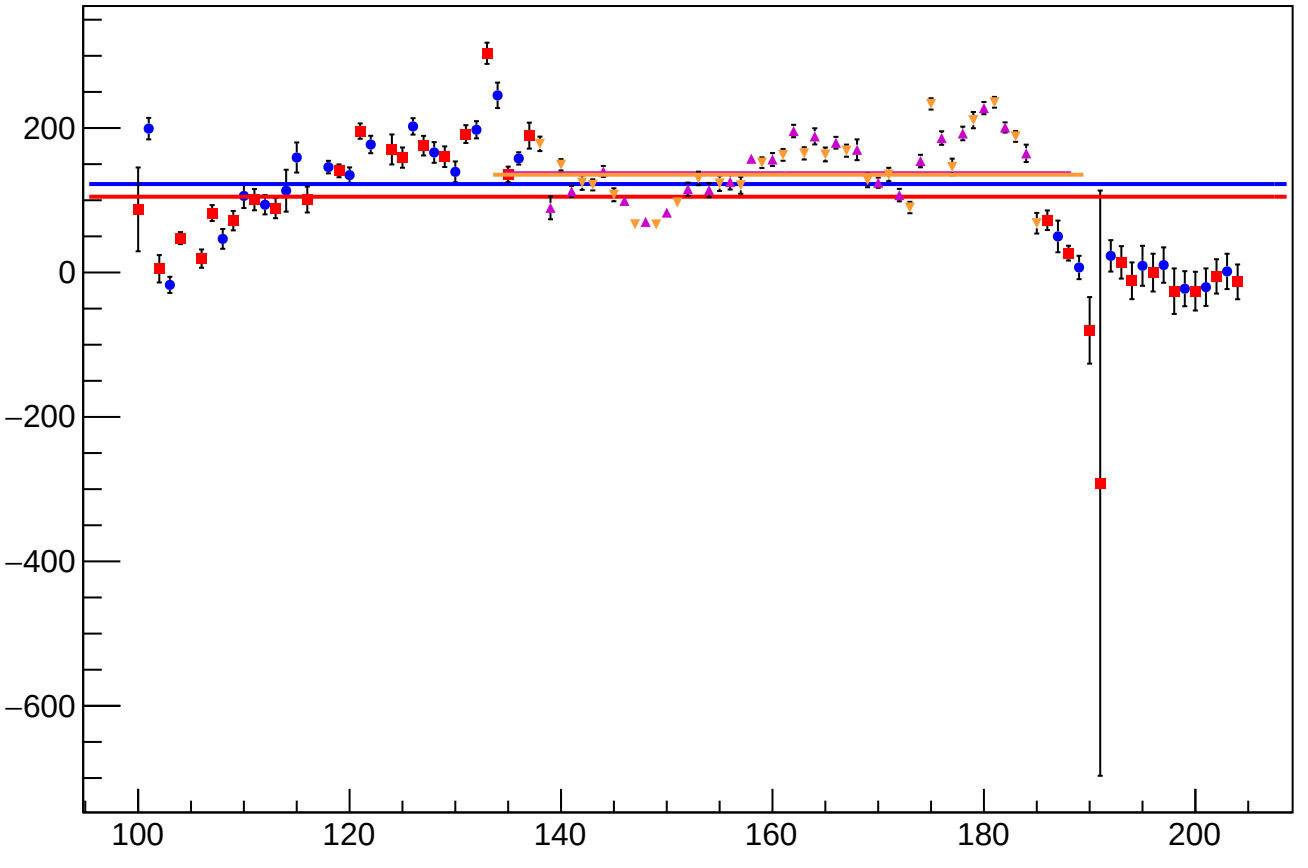
Left: 511.062+/-1.385 χ^2/NDF: 4751.0/47

Right: 622.404+/-1.538 χ^2/NDF: 13969.5/53

In: 554.328+/-1.526 χ^2/NDF:8521.4/46

Out: 566.458+/-1.394 χ^2/NDF:13057.9/54

All: 560.938+/-1.029 χ^2/NDF: 21613.7/101



Right In: 122.433+/-2.929 χ^2/NDF: 628.3/23

Left Out: 135.407+/-1.649 χ^2/NDF:923.2/24

Right Out: 104.904+/-2.683 χ^2/NDF: 773.2/29

Left In: 137.374+/-1.702 χ^2/NDF:706.0/22

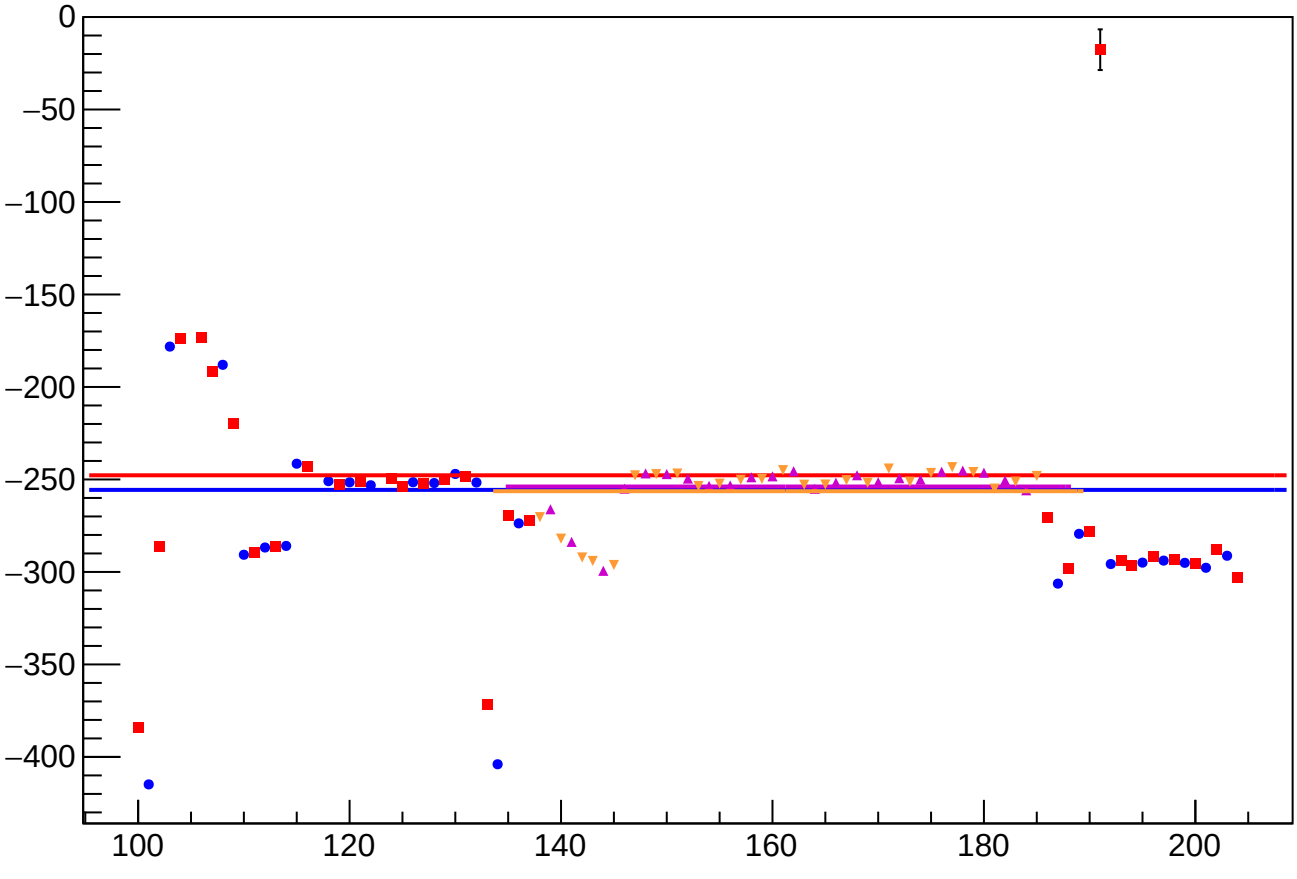
Left: 136.359+/-1.184 χ^2/NDF: 1629.8/47

Right: 112.899+/-1.978 χ^2/NDF: 1421.0/53

In: 133.602+/-1.472 χ^2/NDF:1353.7/46

Out: 127.043+/-1.405 χ^2/NDF:1790.2/54

All: 130.170+/-1.016 χ^2/NDF: 3154.3/101



Right In: -255.637+/-0.141 χ^2/NDF: 197444.2/23

Left Out: -256.344+/-0.077 χ^2/NDF:39513.4/24

Right Out: -247.749+/-0.133 χ^2/NDF: 148394.7/29

Left In: -253.817+/-0.078 χ^2/NDF:24076.7/22

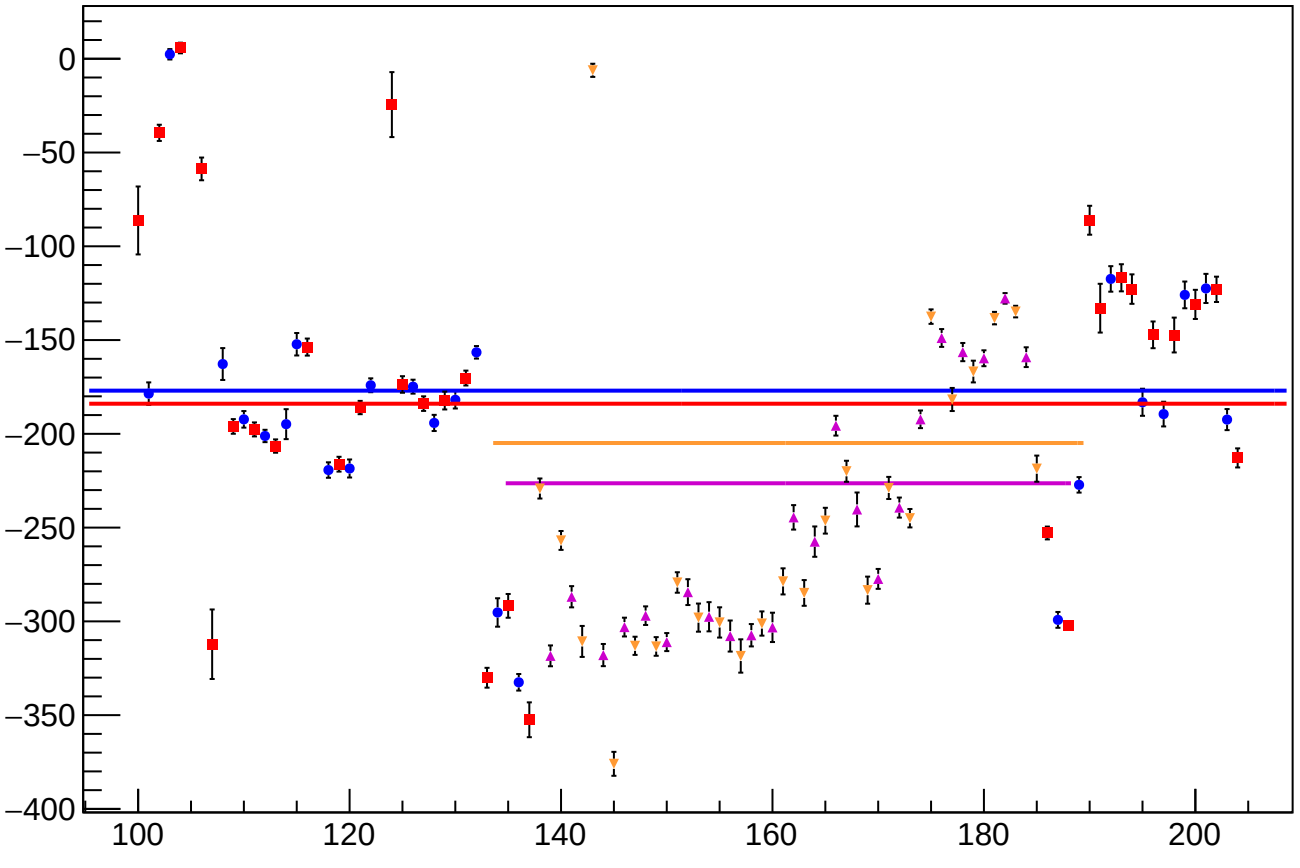
Left: -255.094+/-0.055 χ^2/NDF: 64122.7/47

Right: -251.466+/-0.097 χ^2/NDF: 347489.4/53

In: -254.241+/-0.068 χ^2/NDF:221648.3/46

Out: -254.193+/-0.067 χ^2/NDF:191026.4/54

All: -254.216+/-0.048 χ^2/NDF: 412674.9/101



Right In: -176.973+/-0.949 χ^2/NDF: 7147.8/23

Left Out: -204.891+/-1.052 χ^2/NDF:7826.3/24

Right Out: -183.943+/-0.855 χ^2/NDF: 11389.1/29

Left In: -226.365+/-1.105 χ^2/NDF:4219.0/22

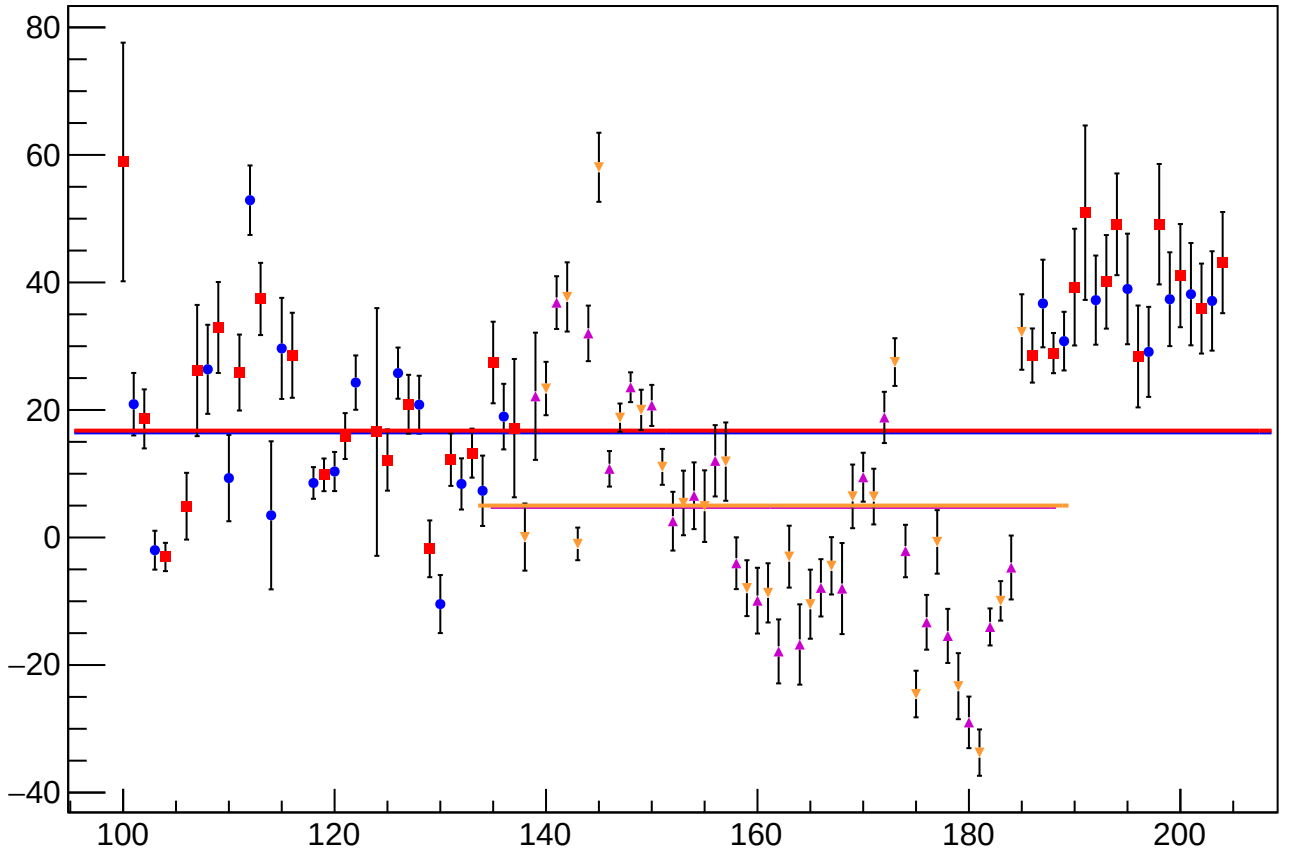
Left: -215.101+/-0.762 χ^2/NDF: 12243.4/47

Right: -180.819+/-0.635 χ^2/NDF: 18566.7/53

In: -197.939+/-0.720 χ^2/NDF:12516.8/46

Out: -192.280+/-0.664 χ^2/NDF:19454.1/54

All: -194.880+/-0.488 χ^2/NDF: 32004.3/101



Right In: 16.485+/-0.983 χ^2/NDF: 214.6/23

Left Out: 5.006+/-0.793 χ^2/NDF:548.5/24

Right Out: 16.762+/-0.906 χ^2/NDF: 248.9/29

Left In: 4.799+/-0.846 χ^2/NDF:426.3/22

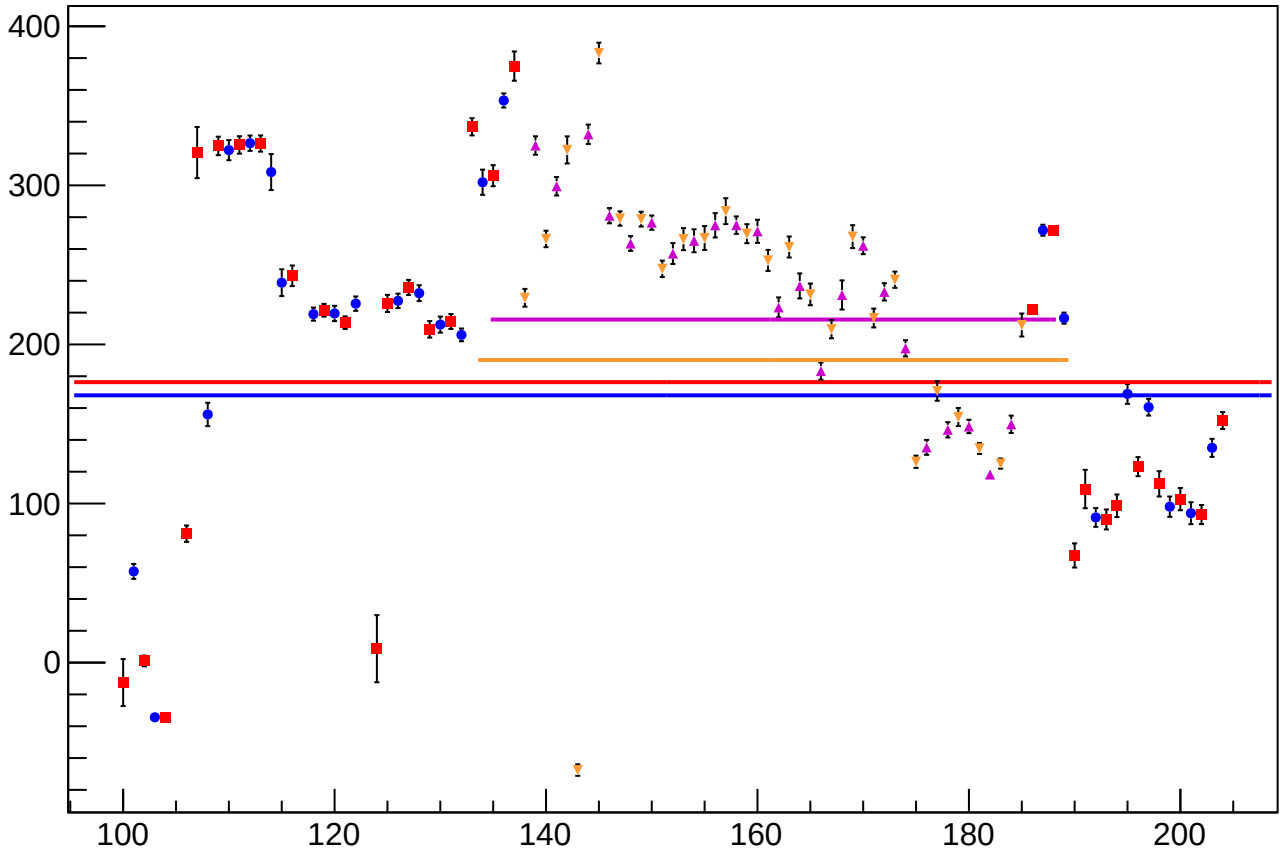
Left: 4.909+/-0.579 χ^2/NDF: 974.8/47

Right: 16.635+/-0.666 χ^2/NDF: 463.6/53

In: 9.777+/-0.641 χ^2/NDF:722.1/46

Out: 10.108+/-0.597 χ^2/NDF:892.7/54

All: 9.954+/-0.437 χ^2/NDF: 1615.0/101



Right In: 168.017+/-0.952 χ^2/NDF: 15522.7/23

Left Out: 190.219+/-1.050 χ^2/NDF:9384.0/24

Right Out: 176.303+/-0.831 χ^2/NDF: 20845.9/29

Left In: 215.649+/-1.098 χ^2/NDF:3886.0/22

Left: 202.363+/-0.759 χ^2/NDF: 13550.1/47

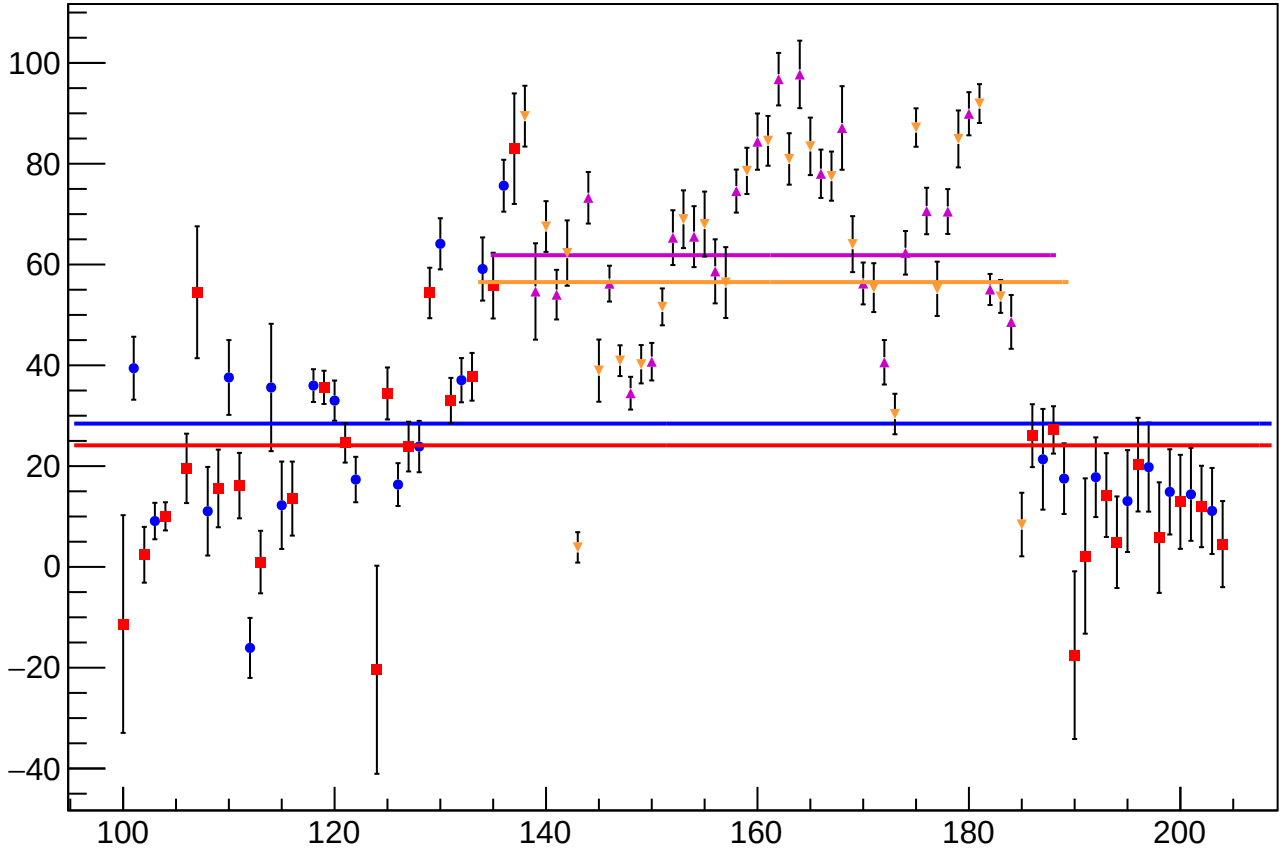
Right: 172.720+/-0.626 χ^2/NDF: 36411.5/53

In: 188.459+/-0.720 χ^2/NDF:20482.4/46

Out: 181.664+/-0.652 χ^2/NDF:30337.8/54

All: 184.726+/-0.483 χ^2/NDF: 50869.2/101

reg_asym_atl_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 28.437+/-1.159 χ^2/NDF: 296.7/23

Left Out: 56.514+/-0.909 χ^2/NDF:798.9/24

Right Out: 24.121+/-1.088 χ^2/NDF: 216.5/29

Left In: 61.850+/-0.961 χ^2/NDF:320.7/22

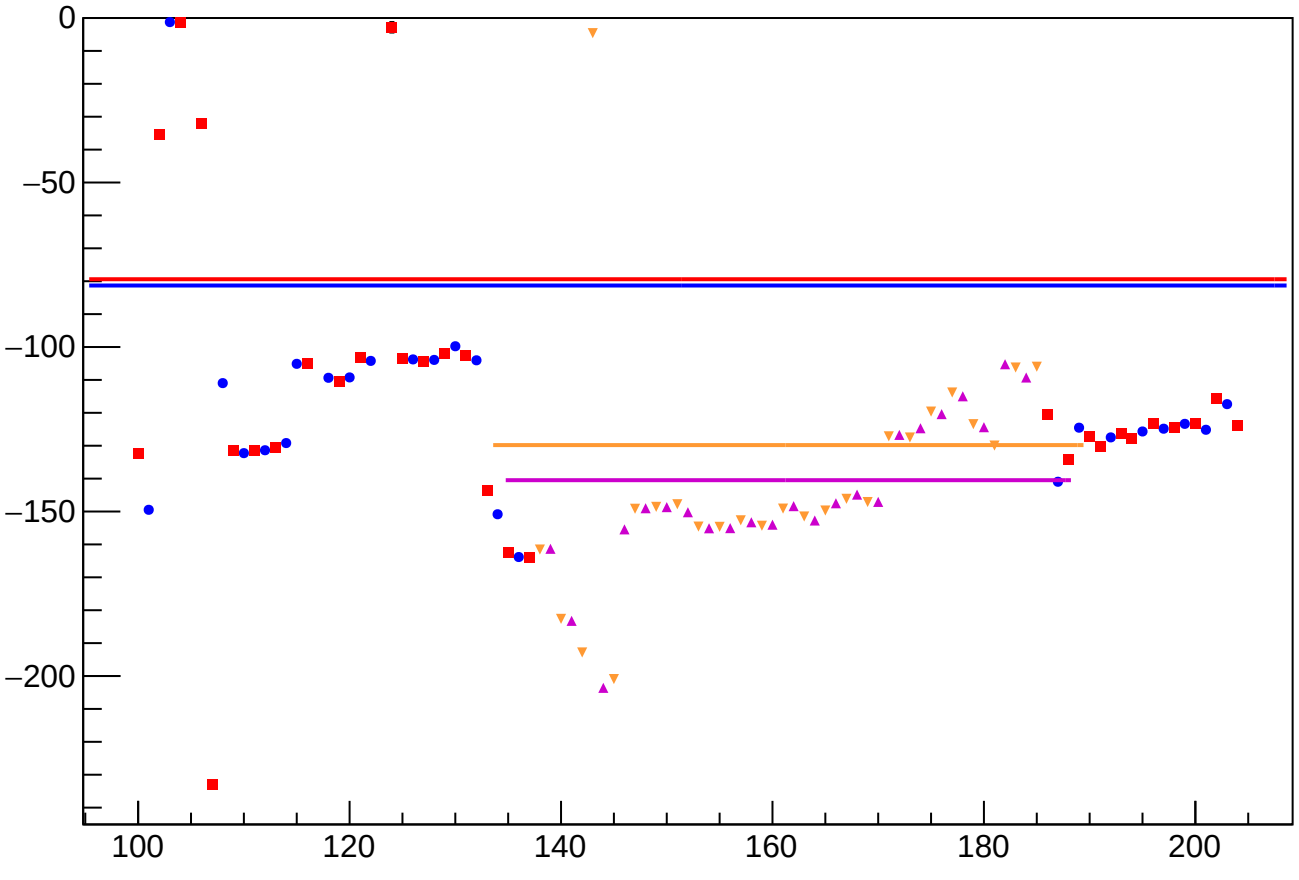
Left: 59.032+/-0.661 χ^2/NDF: 1135.8/47

Right: 26.142+/-0.793 χ^2/NDF: 520.6/53

In: 48.237+/-0.740 χ^2/NDF:1109.5/46

Out: 43.194+/-0.697 χ^2/NDF:1537.6/54

All: 45.566+/-0.508 χ^2/NDF: 2671.7/101



Right In: -81.304+/-0.054 χ^2/NDF: 1290905.3/23

Left Out: -129.810+/-0.042 χ^2/NDF:1025155.0/24

Right Out: -79.397+/-0.051 χ^2/NDF: 1254212.4/29

Left In: -140.477+/-0.044 χ^2/NDF:254660.0/22

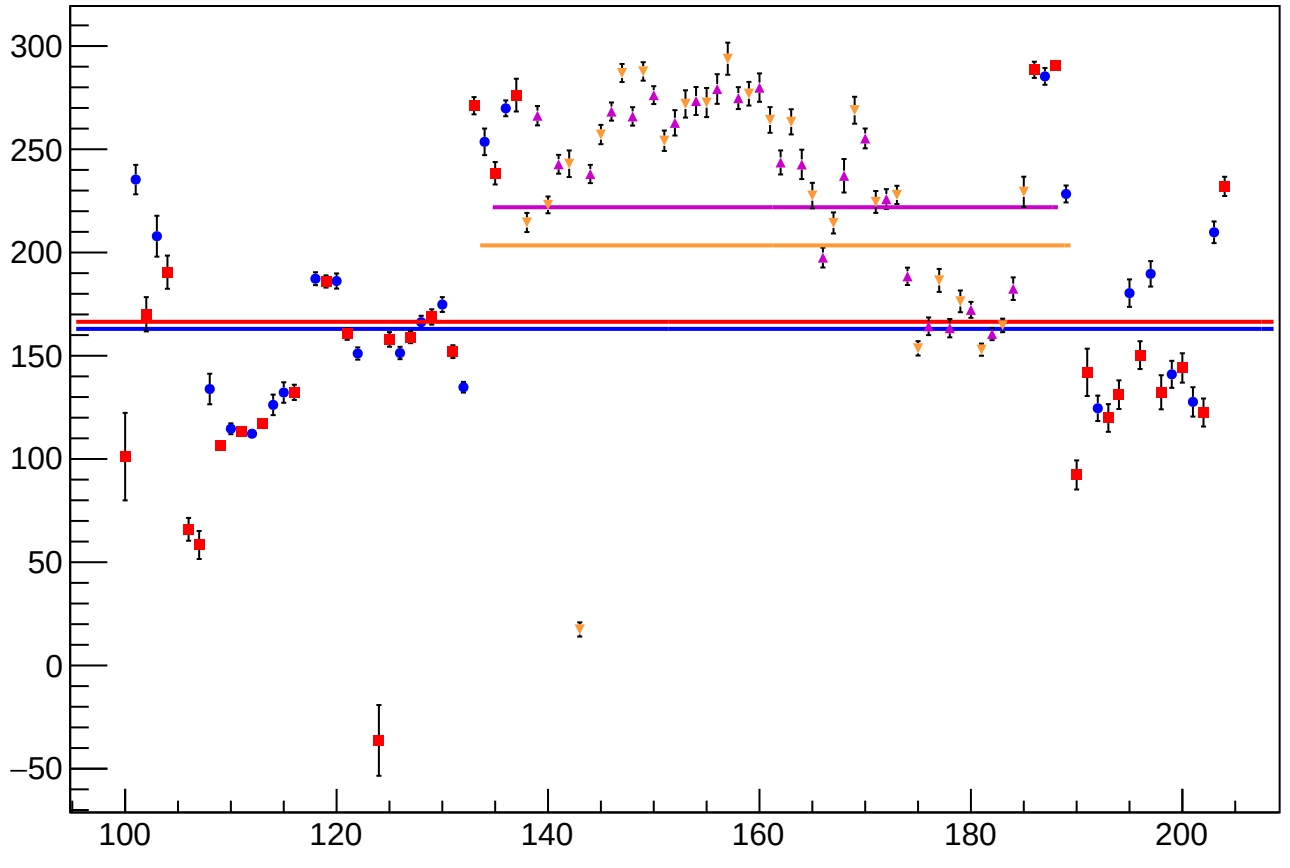
Left: -134.957+/-0.030 χ^2/NDF: 1310696.7/47

Right: -80.295+/-0.037 χ^2/NDF: 2545770.3/53

In: -117.231+/-0.034 χ^2/NDF:2266931.8/46

Out: -109.451+/-0.033 χ^2/NDF:2856674.5/54

All: -113.169+/-0.024 χ^2/NDF: 5150899.7/10



Right In: 163.006+/-0.791 χ^2/NDF: 3719.2/23

Left Out: 203.453+/-0.953 χ^2/NDF:5491.5/24

Right Out: 166.441+/-0.719 χ^2/NDF: 8294.9/29

Left In: 221.923+/-1.003 χ^2/NDF:1986.7/22

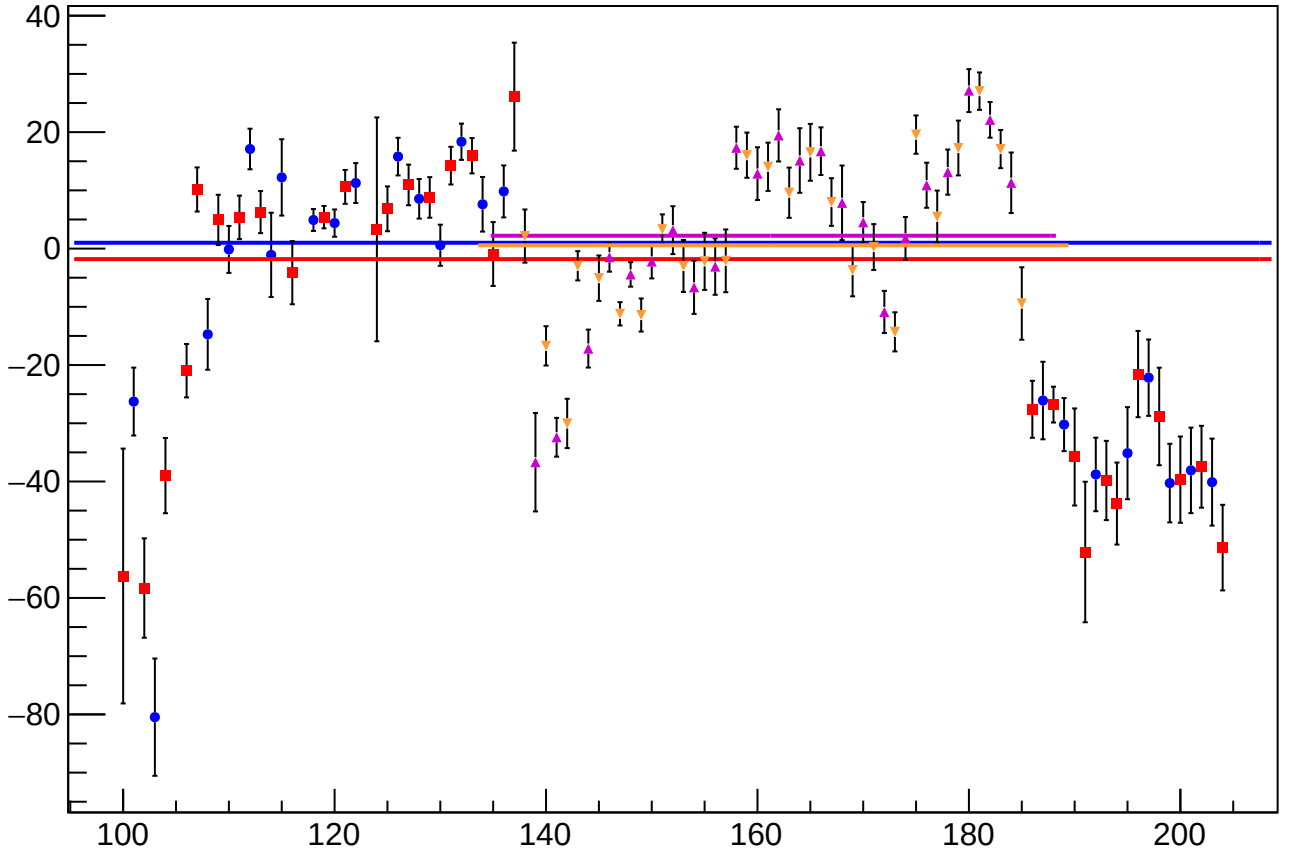
Left: 212.217+/-0.691 χ^2/NDF: 7656.5/47

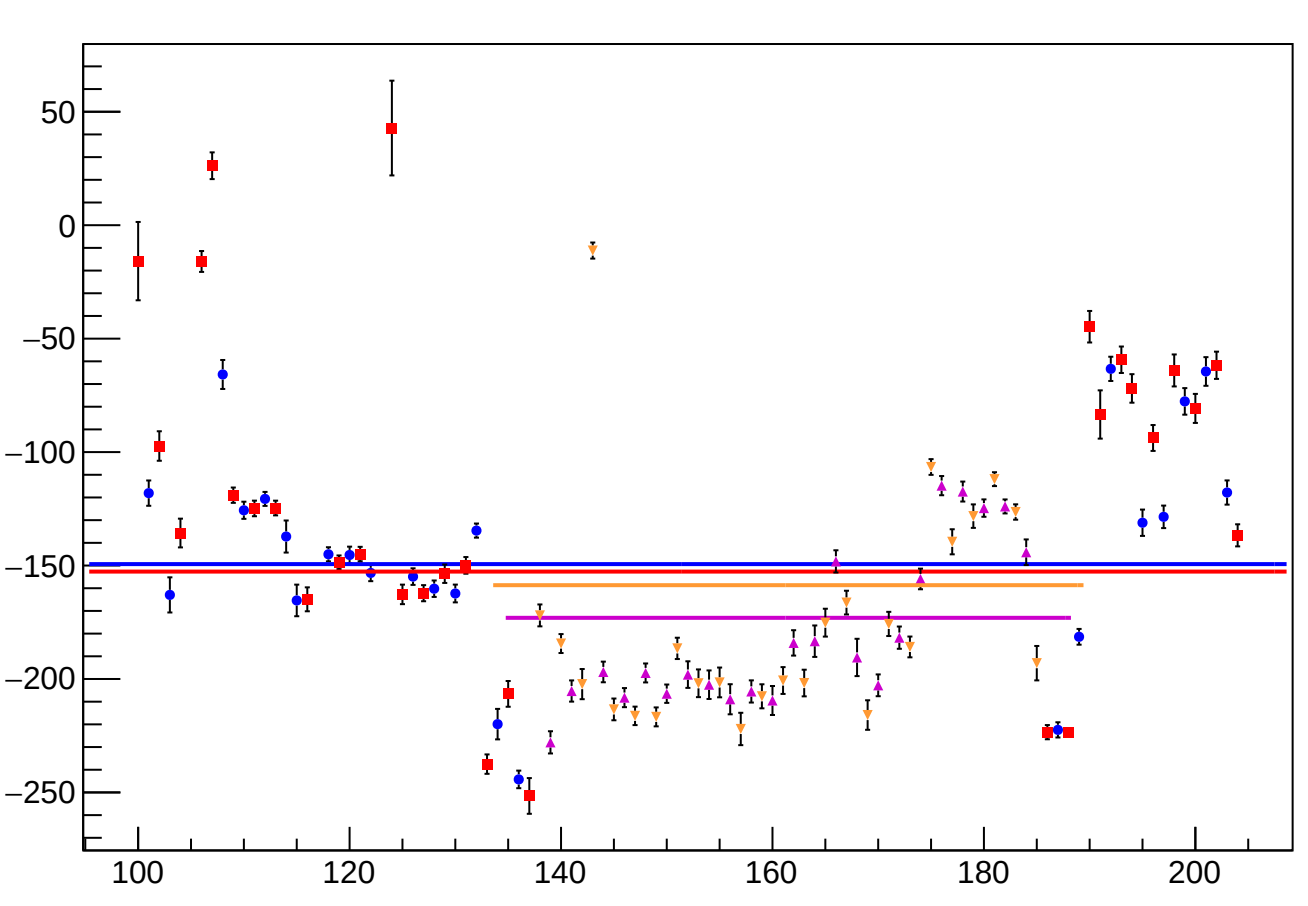
Right: 164.888+/-0.532 χ^2/NDF: 12024.4/53

In: 185.600+/-0.621 χ^2/NDF:7833.5/46

Out: 179.863+/-0.574 χ^2/NDF:14747.8/54

All: 182.505+/-0.421 χ^2/NDF: 22627.4/101


reg_asym_atl_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
40
20
0
−20
−40
−60
−80
100
120
140
160
180
200
Right In: 1.002+/-0.829 χ²/NDF: 429.2/23
Left Out: 0.568+/-0.716 χ²/NDF:345.4/24
Right Out: -1.807+/-0.800 χ²/NDF: 558.9/29
Left In: 2.210+/-0.760 χ²/NDF:358.2/22
Left: 1.339+/-0.521 χ²/NDF: 706.1/47
Right: -0.453+/-0.575 χ²/NDF: 994.1/53
In: 1.658+/-0.560 χ²/NDF:788.5/46
Out: -0.488+/-0.533 χ²/NDF:909.3/54
All: 0.532+/-0.386 χ²/NDF: 1705.5/101



Right In: -149.369+/-0.871 χ^2/NDF: 2312.5/23

Left Out: -158.658+/-0.951 χ^2/NDF:3491.8/24

Right Out: -152.665+/-0.774 χ^2/NDF: 6414.1/29

Left In: -173.043+/-0.996 χ^2/NDF:1399.9/22

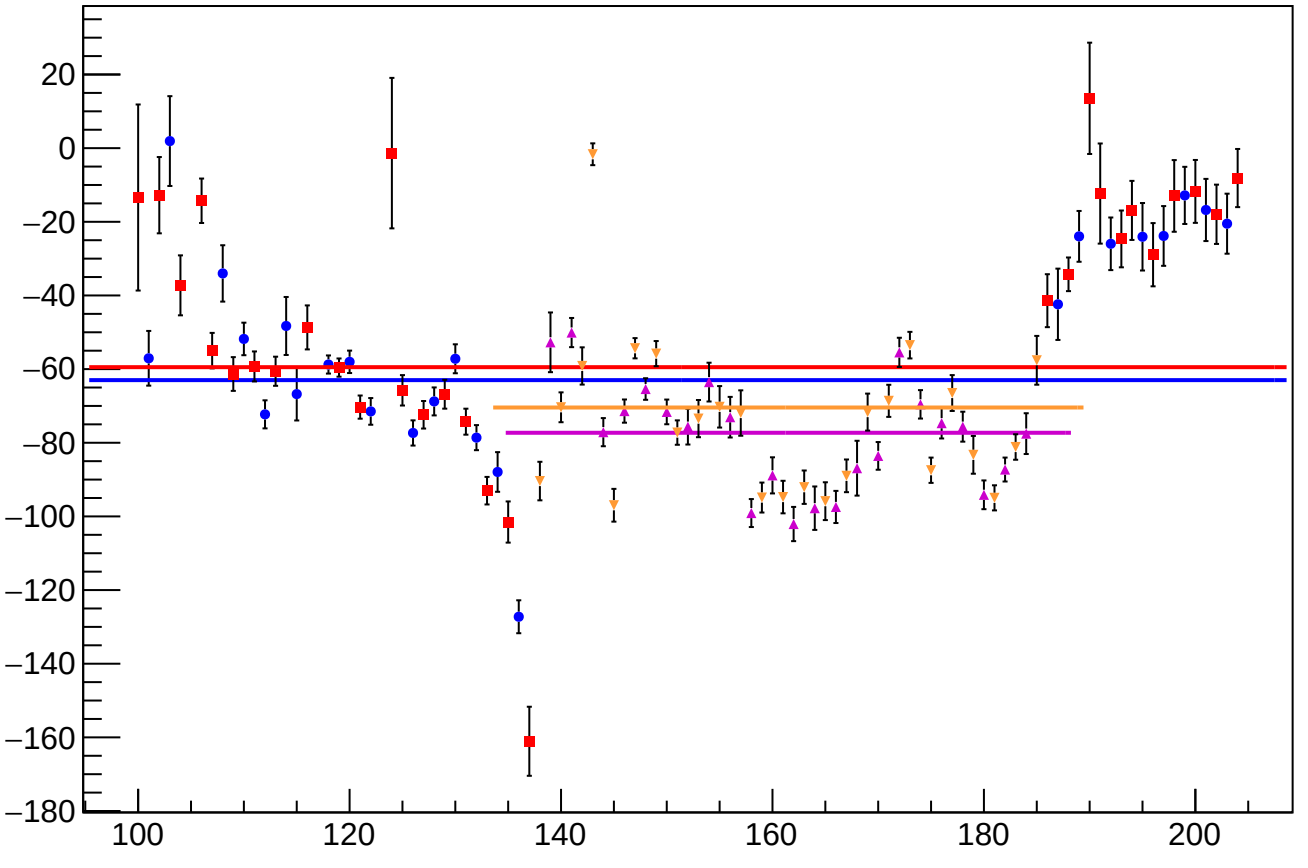
Left: -165.517+/-0.687 χ^2/NDF: 5000.9/47

Right: -151.210+/-0.579 χ^2/NDF: 8734.6/53

In: -159.637+/-0.656 χ^2/NDF:4032.7/46

Out: -155.056+/-0.600 χ^2/NDF:9929.7/54

All: -157.145+/-0.443 χ^2/NDF: 13988.9/101



Right In: -62.993+/-0.971 χ^2/NDF: 545.2/23

Left Out: -70.427+/-0.821 χ^2/NDF:901.6/24

Right Out: -59.473+/-0.940 χ^2/NDF: 657.6/29

Left In: -77.288+/-0.866 χ^2/NDF:254.3/22

Left: -73.677+/-0.596 χ^2/NDF: 1189.0/47

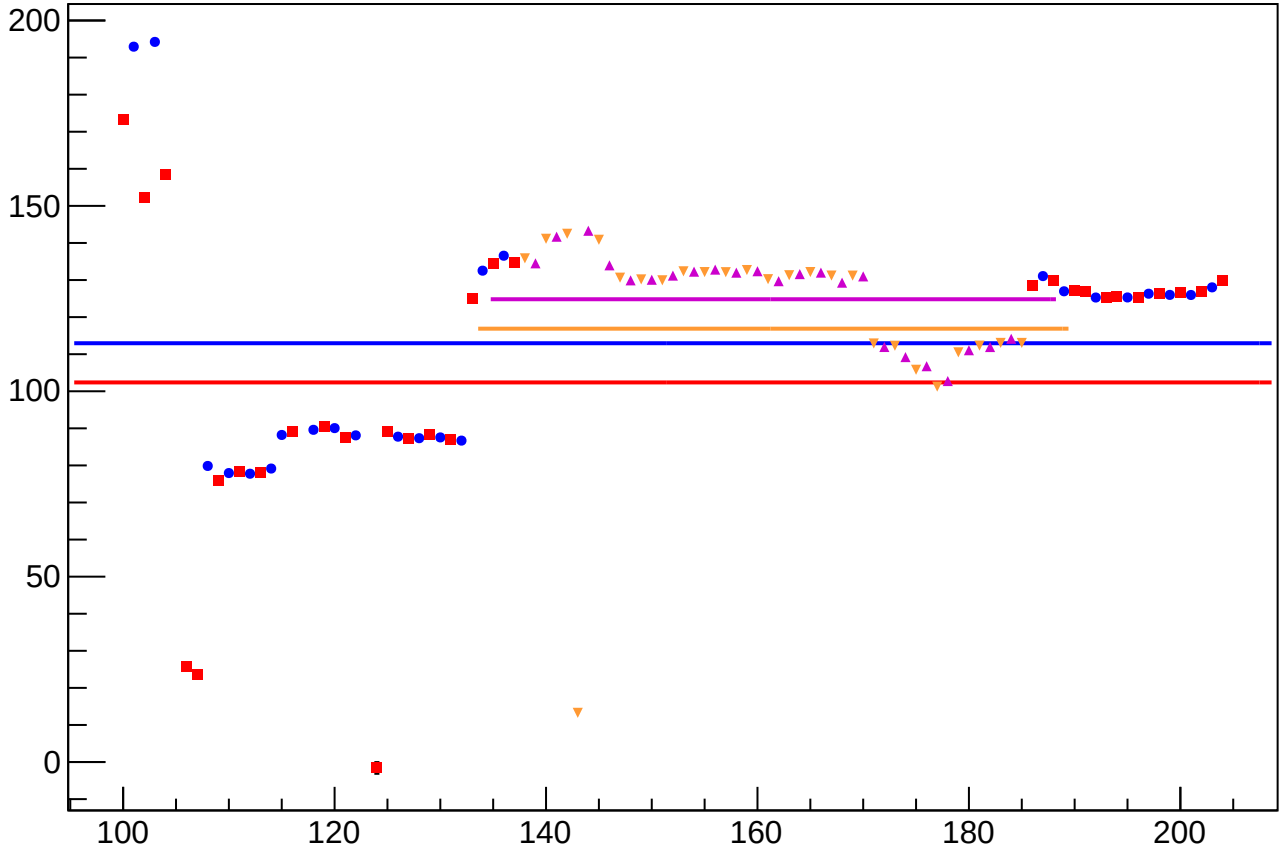
Right: -61.175+/-0.675 χ^2/NDF: 1209.6/53

In: -70.956+/-0.646 χ^2/NDF:920.2/46

Out: -65.683+/-0.618 χ^2/NDF:1636.3/54

All: -68.204+/-0.447 χ^2/NDF: 2591.3/101

reg_asym_atl_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 112.956+/-0.057 χ^2/NDF: 269870.5/23

Left Out: 116.881+/-0.038 χ^2/NDF:623110.0/24

Right Out: 102.384+/-0.052 χ^2/NDF: 508665.5/29

Left In: 124.819+/-0.039 χ^2/NDF:88116.2/22

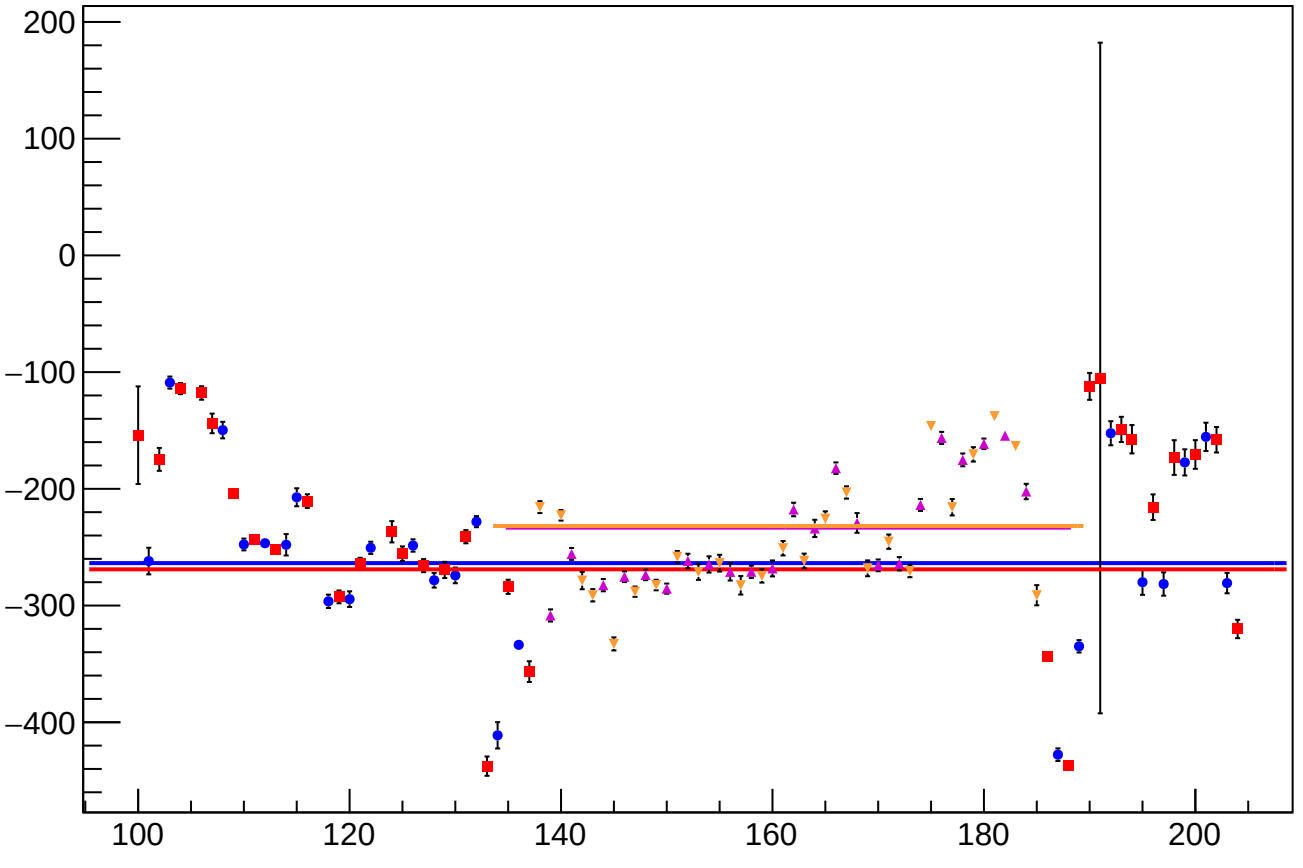
Left: 120.724+/-0.027 χ^2/NDF: 732240.4/47

Right: 107.181+/-0.038 χ^2/NDF: 797386.9/53

In: 120.985+/-0.032 χ^2/NDF:387392.0/46

Out: 111.800+/-0.031 χ^2/NDF:1182520.1/54

All: 116.152+/-0.022 χ^2/NDF: 1612312.4/101



Right In: -263.644+/-1.282 χ^2/NDF: 3180.0/23

Left Out: -231.847+/-1.080 χ^2/NDF:2676.6/24

Right Out: -268.975+/-1.111 χ^2/NDF: 7461.3/29

Left In: -233.258+/-1.108 χ^2/NDF:2067.0/22

Left: -232.535+/-0.773 χ^2/NDF: 4744.4/47

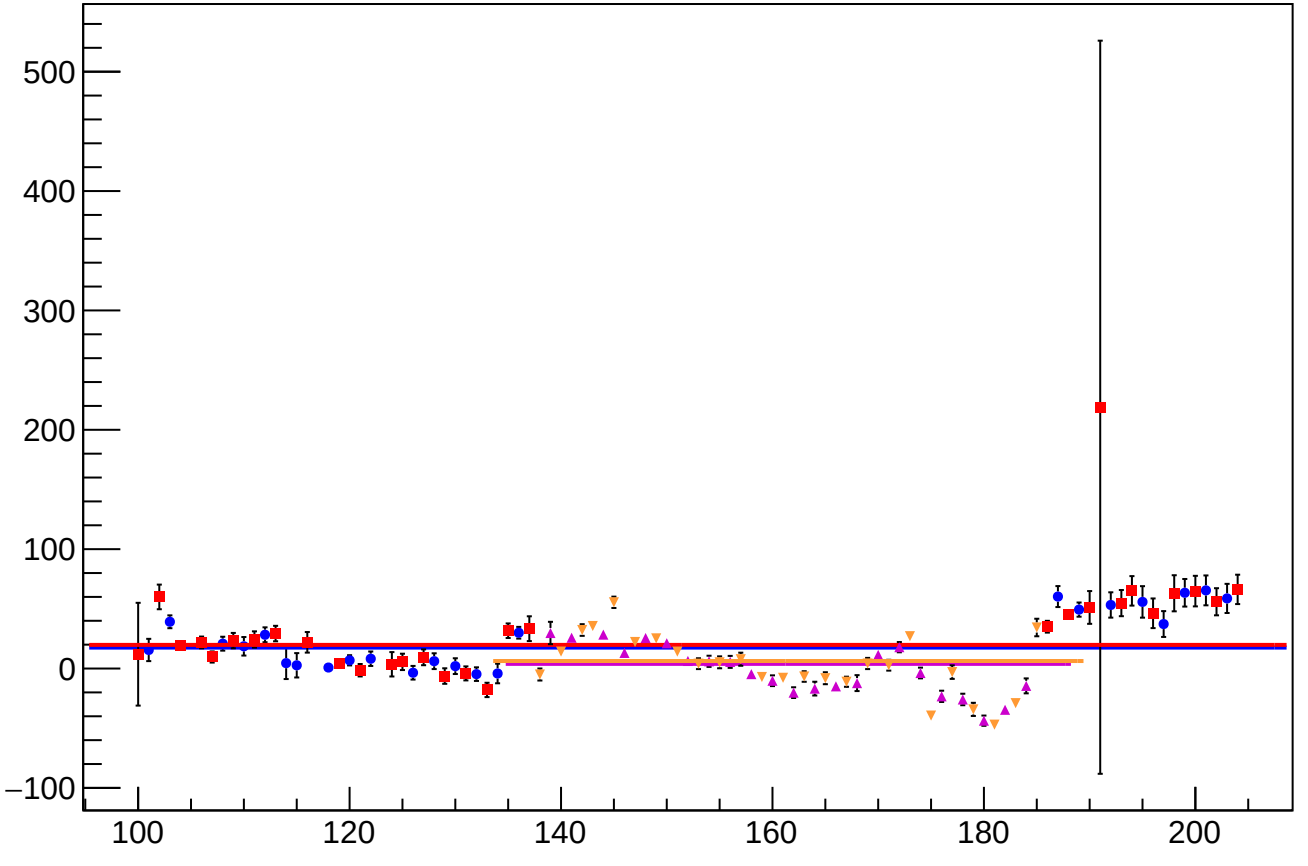
Right: -266.689+/-0.839 χ^2/NDF: 10651.2/53

In: -246.249+/-0.838 χ^2/NDF:5568.8/46

Out: -249.893+/-0.774 χ^2/NDF:10712.2/54

All: -248.215+/-0.569 χ^2/NDF: 16291.1/101

reg_asym_atr_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 17.542+/-1.352 χ^2/NDF: 222.6/23

Left Out: 6.288+/-0.789 χ^2/NDF:871.5/24

Right Out: 19.806+/-1.204 χ^2/NDF: 275.4/29

Left In: 3.906+/-0.818 χ^2/NDF:650.3/22

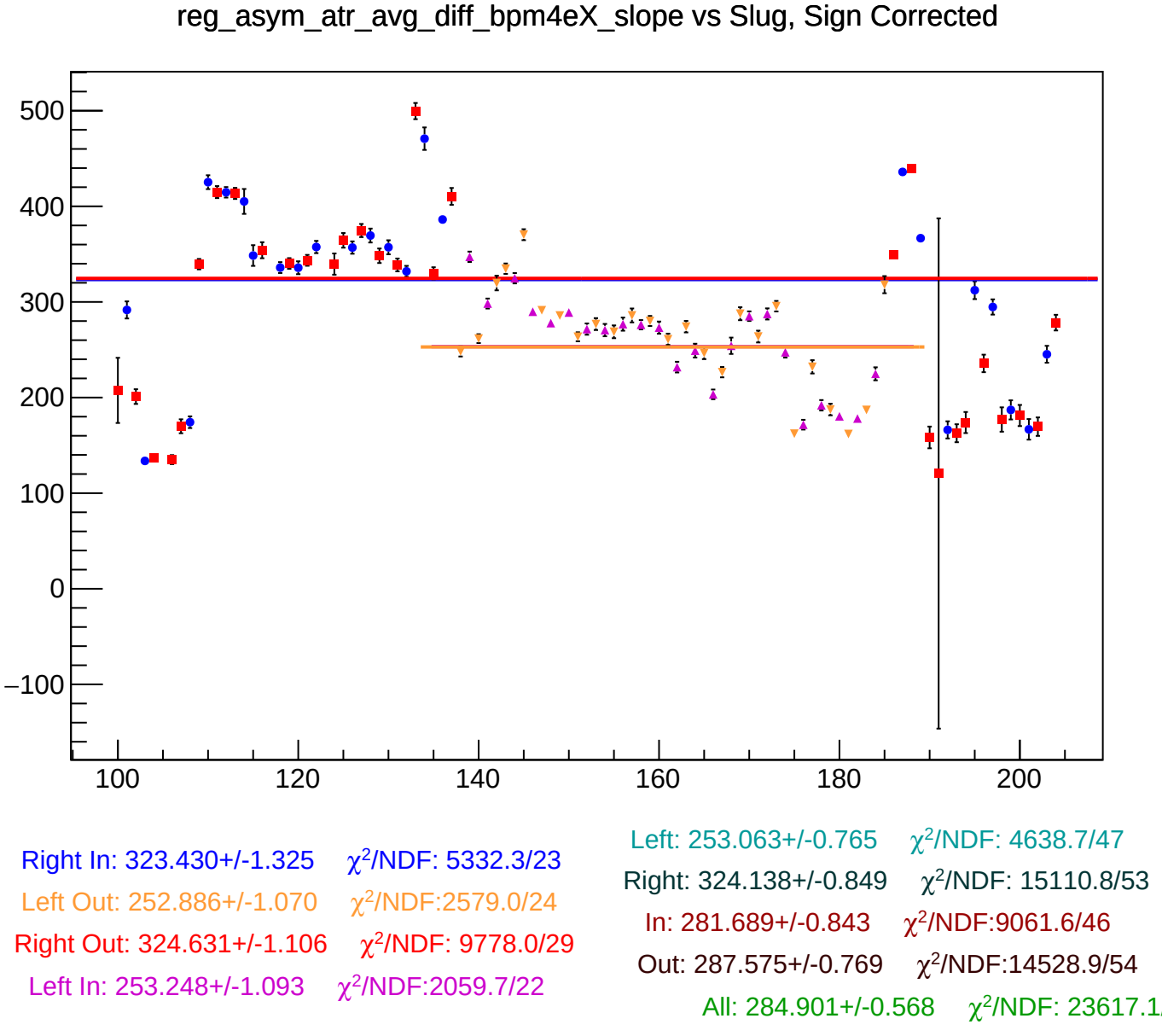
Left: 5.140+/-0.568 χ^2/NDF: 1526.1/47

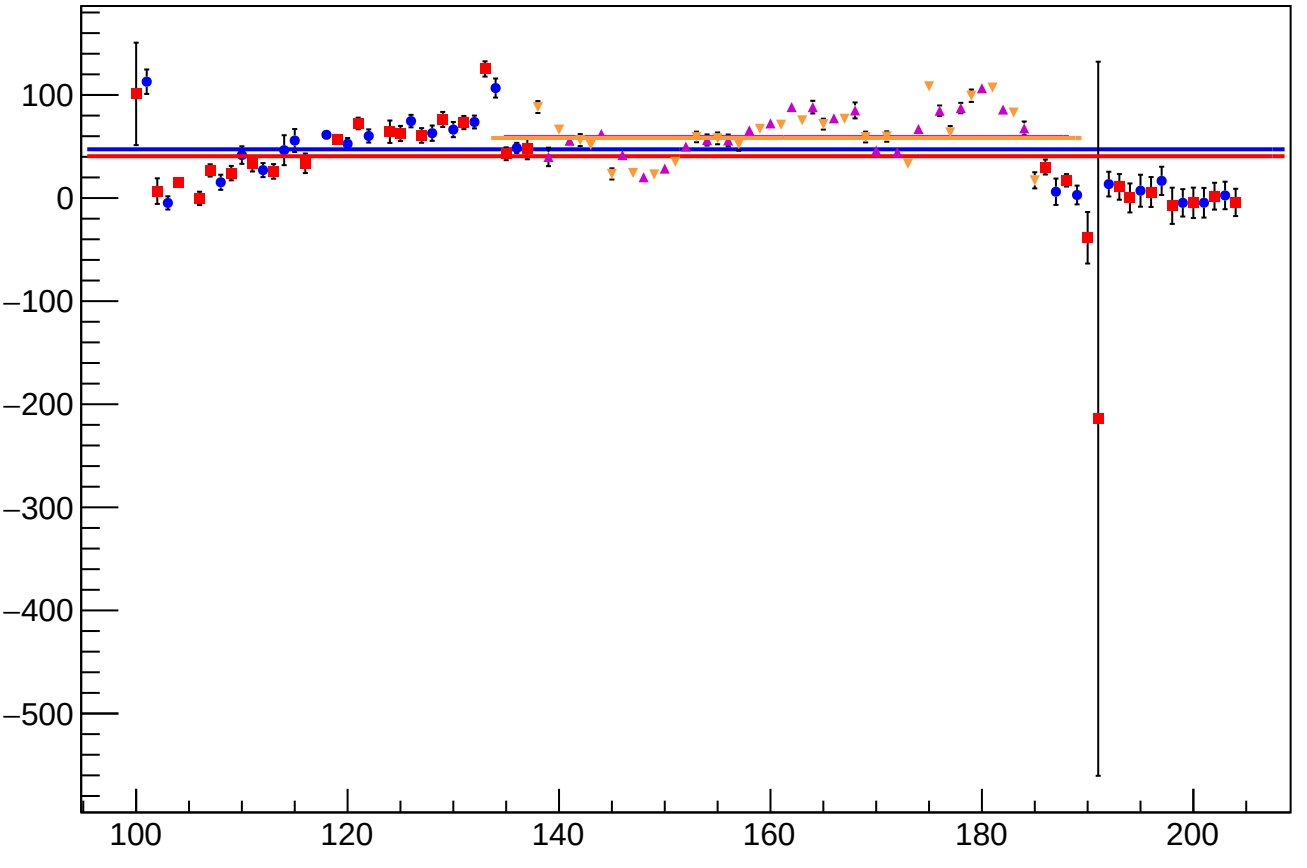
Right: 18.804+/-0.899 χ^2/NDF: 499.5/53

In: 7.563+/-0.700 χ^2/NDF:947.4/46

Out: 10.349+/-0.660 χ^2/NDF:1235.0/54

All: 9.038+/-0.480 χ^2/NDF: 2190.7/101


reg_asym_atr_avg_diff_bpm4eX_slope vs Slug, Sign Corrected
500
400
300
200
100
0
−100
100
120
140
160
180
200
Right In: 323.430+/-1.325 χ²/NDF: 5332.3/23
Left Out: 252.886+/-1.070 χ²/NDF:2579.0/24
Right Out: 324.631+/-1.106 χ²/NDF: 9778.0/29
Left In: 253.248+/-1.093 χ²/NDF:2059.7/22
Left: 253.063+/-0.765 χ²/NDF: 4638.7/47
Right: 324.138+/-0.849 χ²/NDF: 15110.8/53
In: 281.689+/-0.843 χ²/NDF:9061.6/46
Out: 287.575+/-0.769 χ²/NDF:14528.9/54
All: 284.901+/-0.568 χ²/NDF: 23617.1/101



Right In: 47.299+/-1.587 χ^2/NDF: 323.7/23

Left Out: 58.306+/-0.911 χ^2/NDF:850.2/24

Right Out: 40.603+/-1.447 χ^2/NDF: 425.0/29

Left In: 59.151+/-0.938 χ^2/NDF:632.4/22

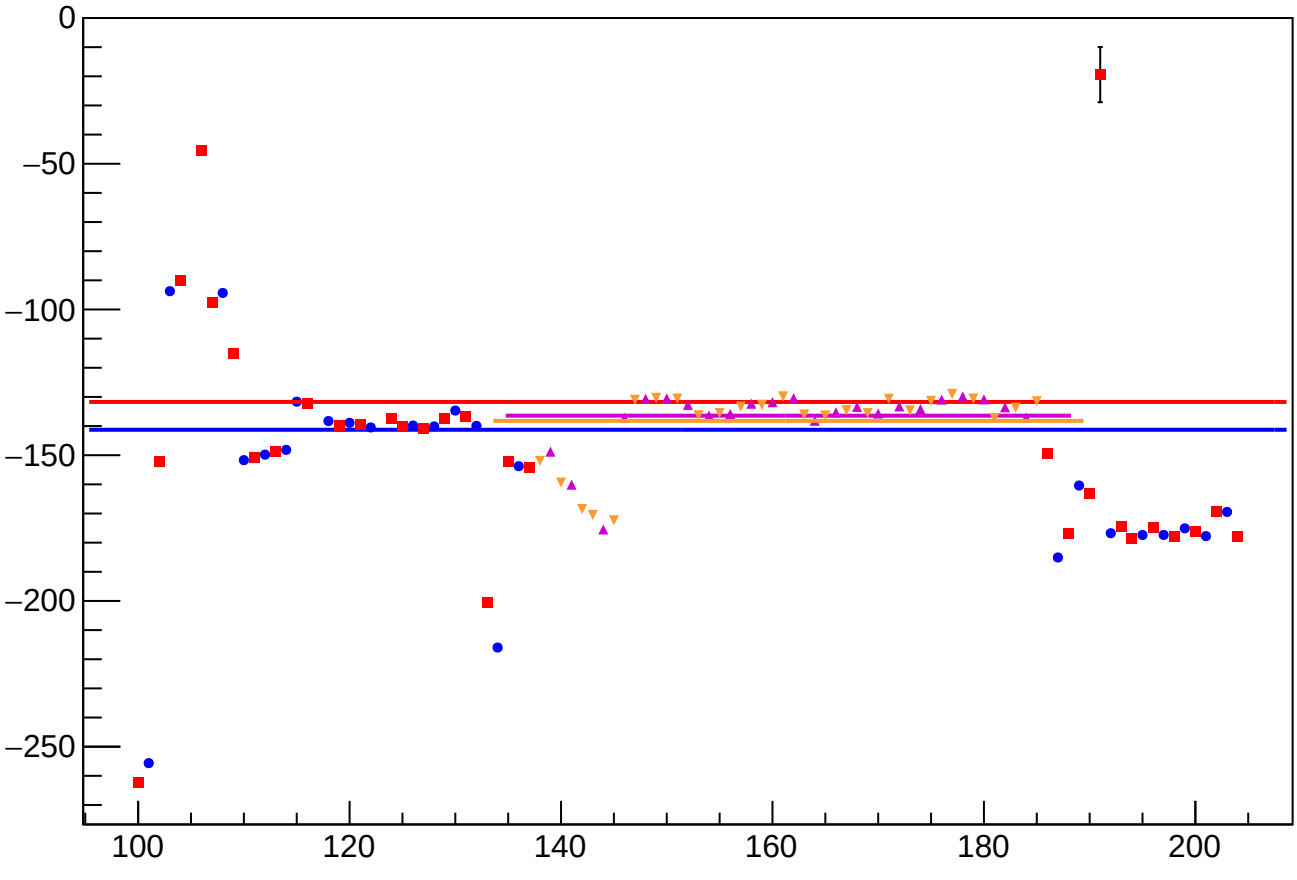
Left: 58.716+/-0.654 χ^2/NDF: 1483.1/47

Right: 43.642+/-1.069 χ^2/NDF: 758.4/53

In: 56.080+/-0.808 χ^2/NDF:997.5/46

Out: 53.275+/-0.771 χ^2/NDF:1382.4/54

All: 54.613+/-0.558 χ^2/NDF: 2386.2/101



Right In: -141.268+/-0.079 χ^2/NDF: 234196.3/23

Left Out: -138.218+/-0.042 χ^2/NDF:81828.6/24

Right Out: -131.723+/-0.073 χ^2/NDF: 332736.8/29

Left In: -136.429+/-0.043 χ^2/NDF:49792.9/22

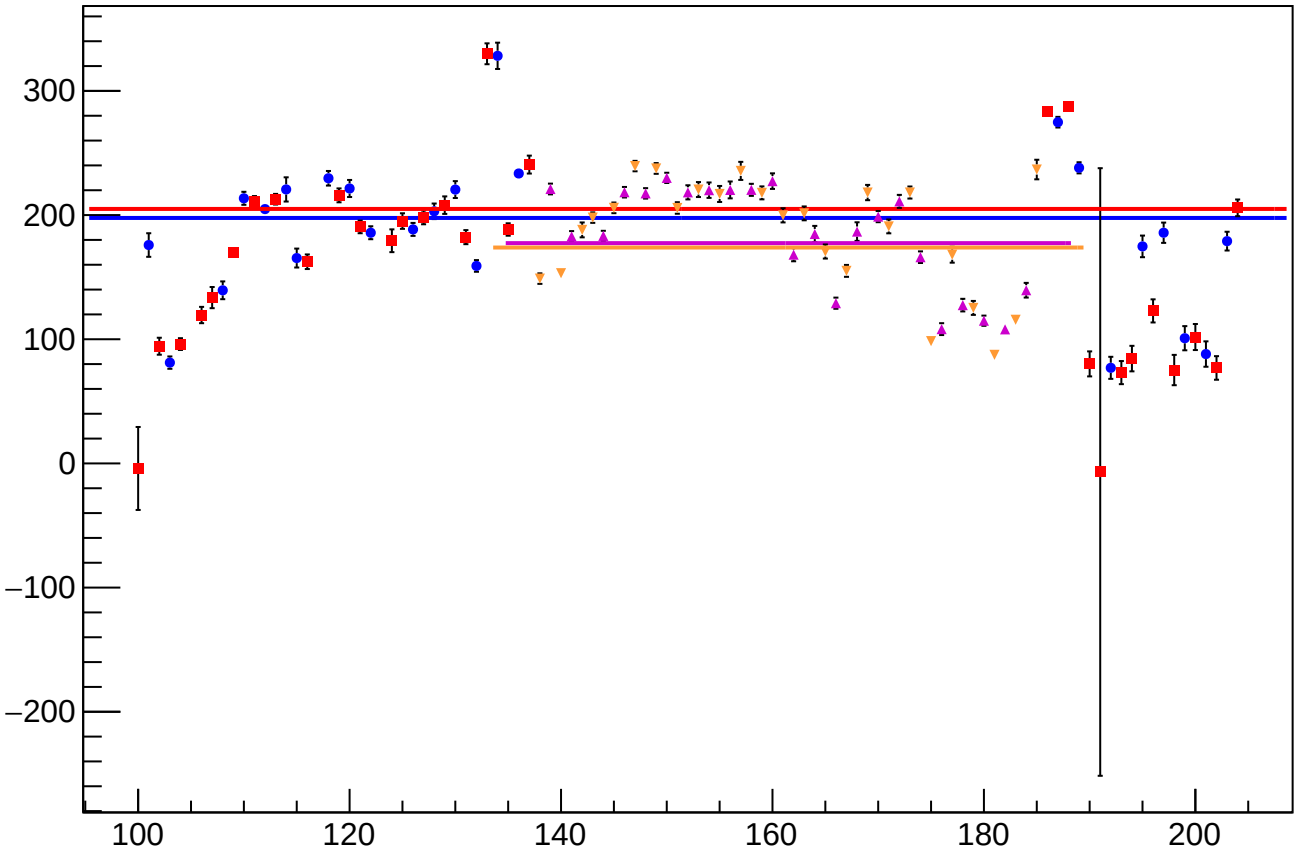
Left: -137.331+/-0.030 χ^2/NDF: 132499.5/47

Right: -136.125+/-0.054 χ^2/NDF: 574836.9/53

In: -137.534+/-0.038 χ^2/NDF:286898.8/46

Out: -136.571+/-0.037 χ^2/NDF:420487.4/54

All: -137.040+/-0.026 χ^2/NDF: 707721.6/101



Right In: 197.689+/-1.206 χ^2/NDF: 1859.3/23

Left Out: 173.862+/-0.962 χ^2/NDF:2627.6/24

Right Out: 204.949+/-1.039 χ^2/NDF: 4193.3/29

Left In: 177.403+/-0.996 χ^2/NDF:1963.0/22

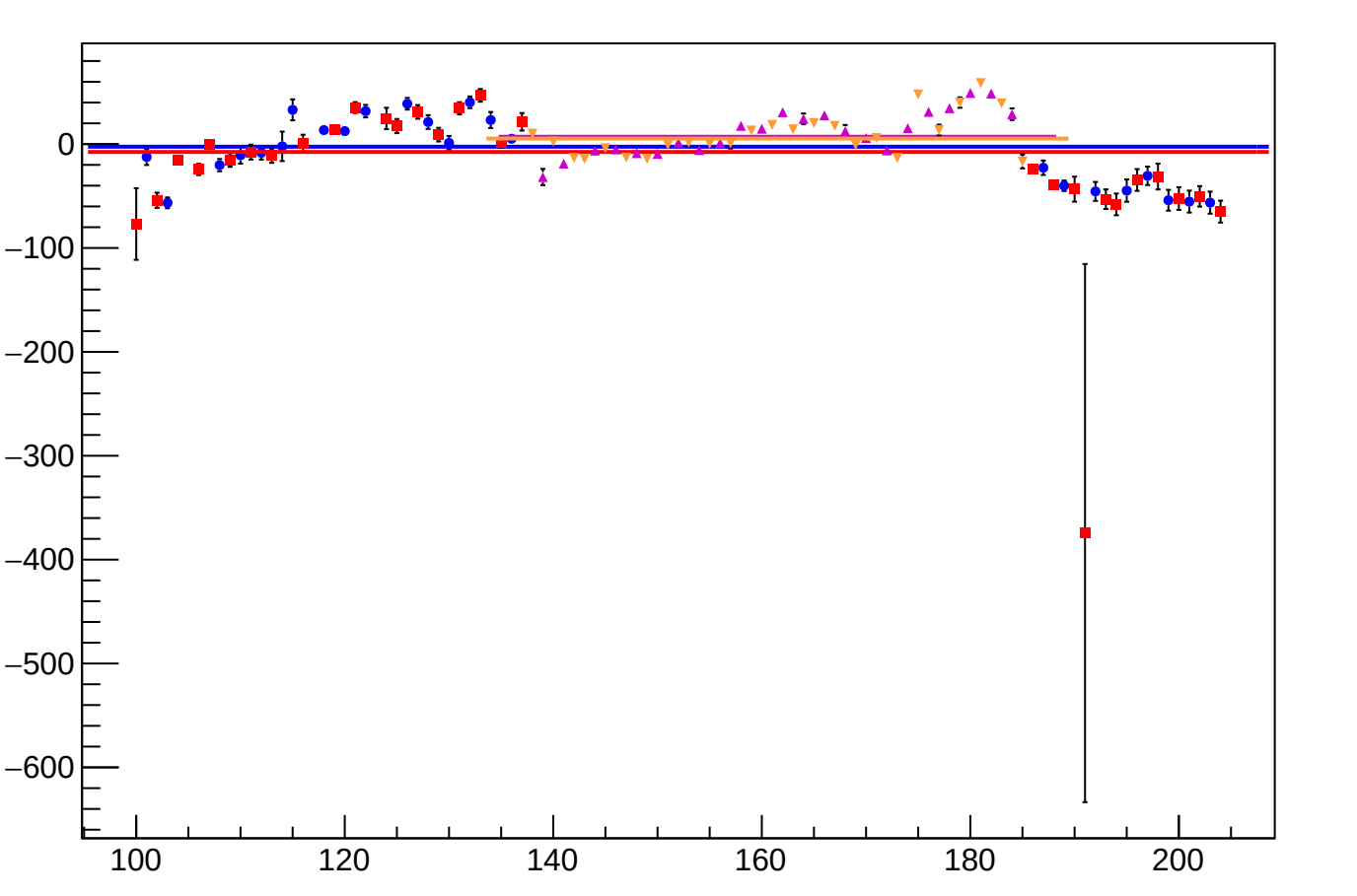
Left: 175.572+/-0.692 χ^2/NDF: 4597.1/47

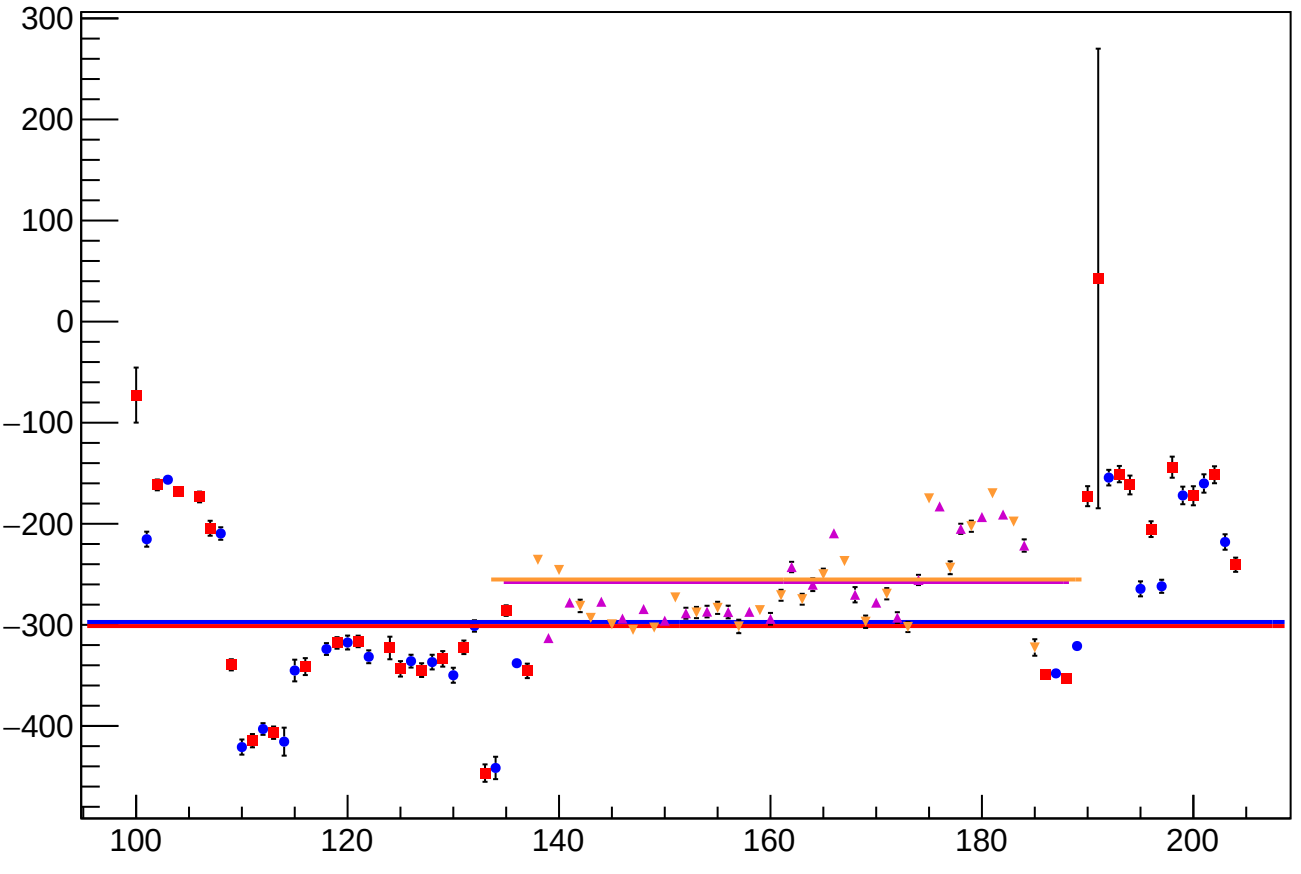
Right: 201.854+/-0.787 χ^2/NDF: 6073.4/53

In: 185.626+/-0.768 χ^2/NDF:3990.6/46

Out: 188.205+/-0.706 χ^2/NDF:7302.6/54

All: 187.023+/-0.520 χ^2/NDF: 11299.3/101


reg_asym_atr_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
0
−100
−200
−300
−400
−500
−600
100
120
140
160
180
200
Right In: -2.498+/-1.289 χ²/NDF: 525.2/23
Left Out: 5.363+/-0.710 χ²/NDF:810.0/24
Right Out: -7.564+/-1.146 χ²/NDF: 618.9/29
Left In: 7.061+/-0.741 χ²/NDF:709.7/22
Left: 6.176+/-0.513 χ²/NDF: 1522.4/47
Right: -5.329+/-0.857 χ²/NDF: 1152.7/53
In: 4.686+/-0.643 χ²/NDF:1276.2/46
Out: 1.774+/-0.604 χ²/NDF:1520.8/54
All: 3.139+/-0.440 χ²/NDF: 2807.9/101



Right In: -297.146+/-1.212 χ^2/NDF: 3984.2/23

Left Out: -255.122+/-0.956 χ^2/NDF:2344.8/24

Right Out: -301.197+/-1.004 χ^2/NDF: 6624.7/29

Left In: -257.600+/-0.985 χ^2/NDF:1808.1/22

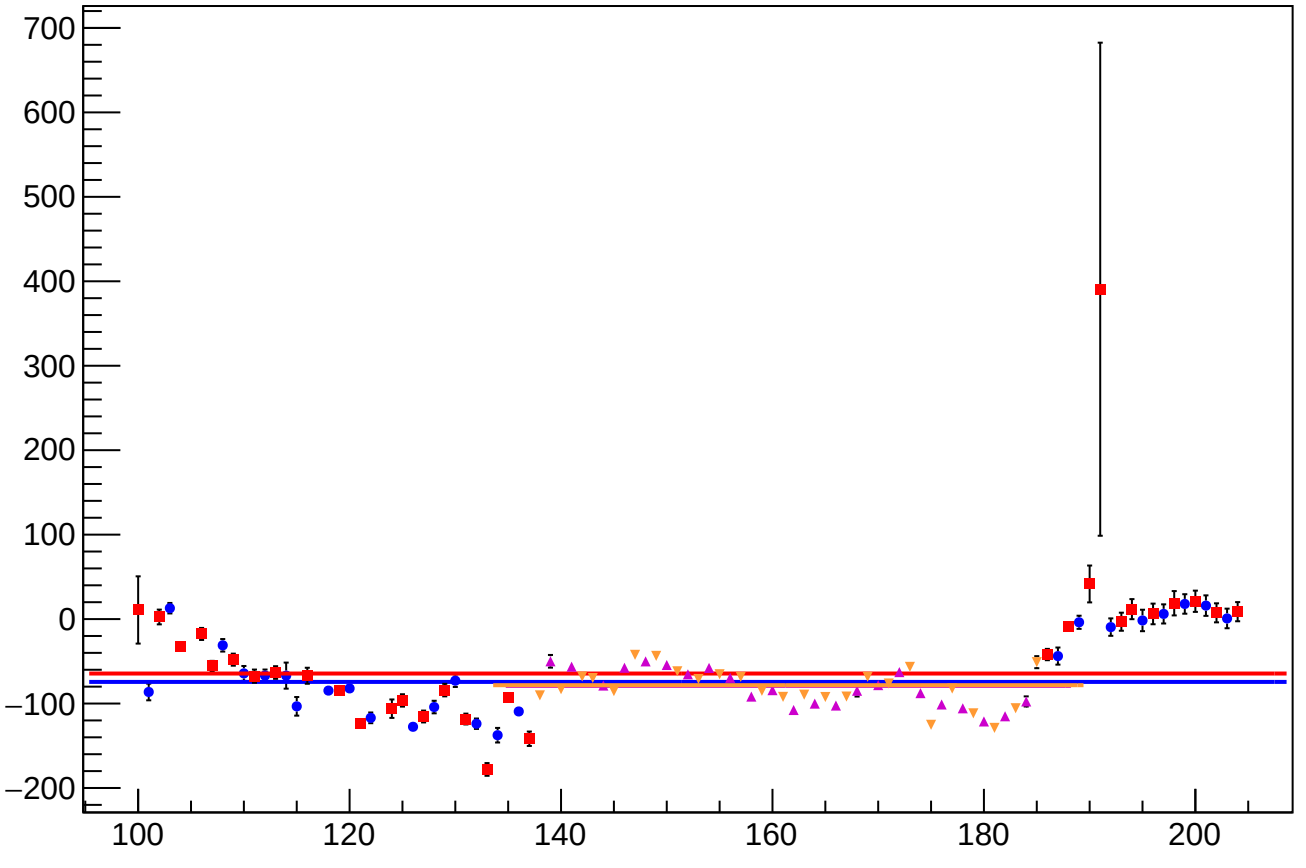
Left: -256.324+/-0.686 χ^2/NDF: 4156.2/47

Right: -299.548+/-0.773 χ^2/NDF: 10615.6/53

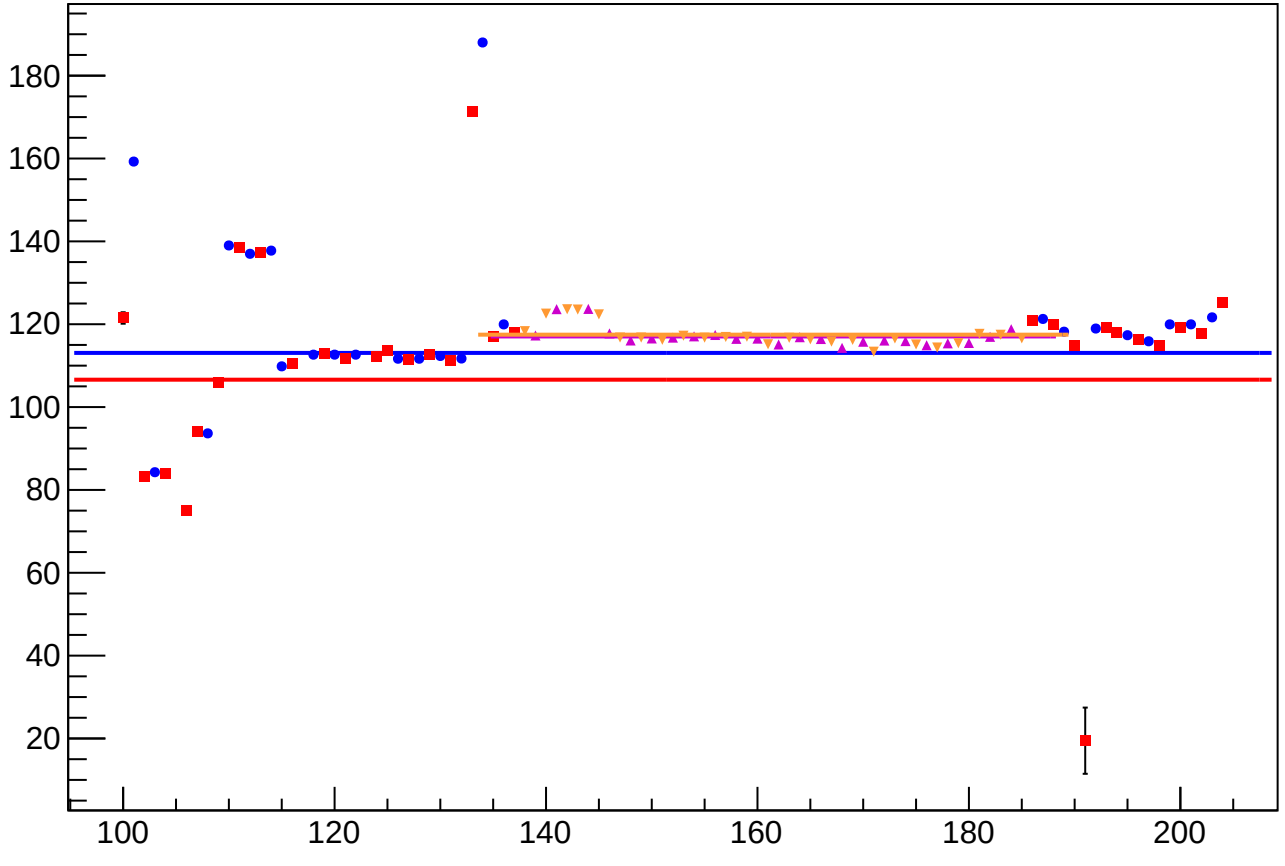
In: -273.332+/-0.764 χ^2/NDF:6433.7/46

Out: -277.034+/-0.693 χ^2/NDF:10073.5/54

All: -275.365+/-0.513 χ^2/NDF: 16520.1/101


reg_asym_atr_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
700
600
500
400
300
200
100
0
−100
−200
100
120
140
160
180
200
Right In: -74.392+/-1.514 χ²/NDF: 956.0/23
Left Out: -78.292+/-0.819 χ²/NDF:868.2/24
Right Out: -64.462+/-1.383 χ²/NDF: 1228.2/29
Left In: -79.066+/-0.849 χ²/NDF:702.6/22
Left: -78.665+/-0.589 χ²/NDF: 1571.2/47
Right: -68.980+/-1.021 χ²/NDF: 2207.7/53
In: -77.948+/-0.740 χ²/NDF:1665.9/46
Out: -74.703+/-0.705 χ²/NDF:2170.5/54
All: -76.245+/-0.510 χ²/NDF: 3846.5/101

reg_asym_atr_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 113.076+/-0.072 χ^2/NDF: 86440.6/23

Left Out: 117.477+/-0.038 χ^2/NDF:4739.3/24

Right Out: 106.610+/-0.067 χ^2/NDF: 77860.9/29

Left In: 117.046+/-0.039 χ^2/NDF:3343.0/22

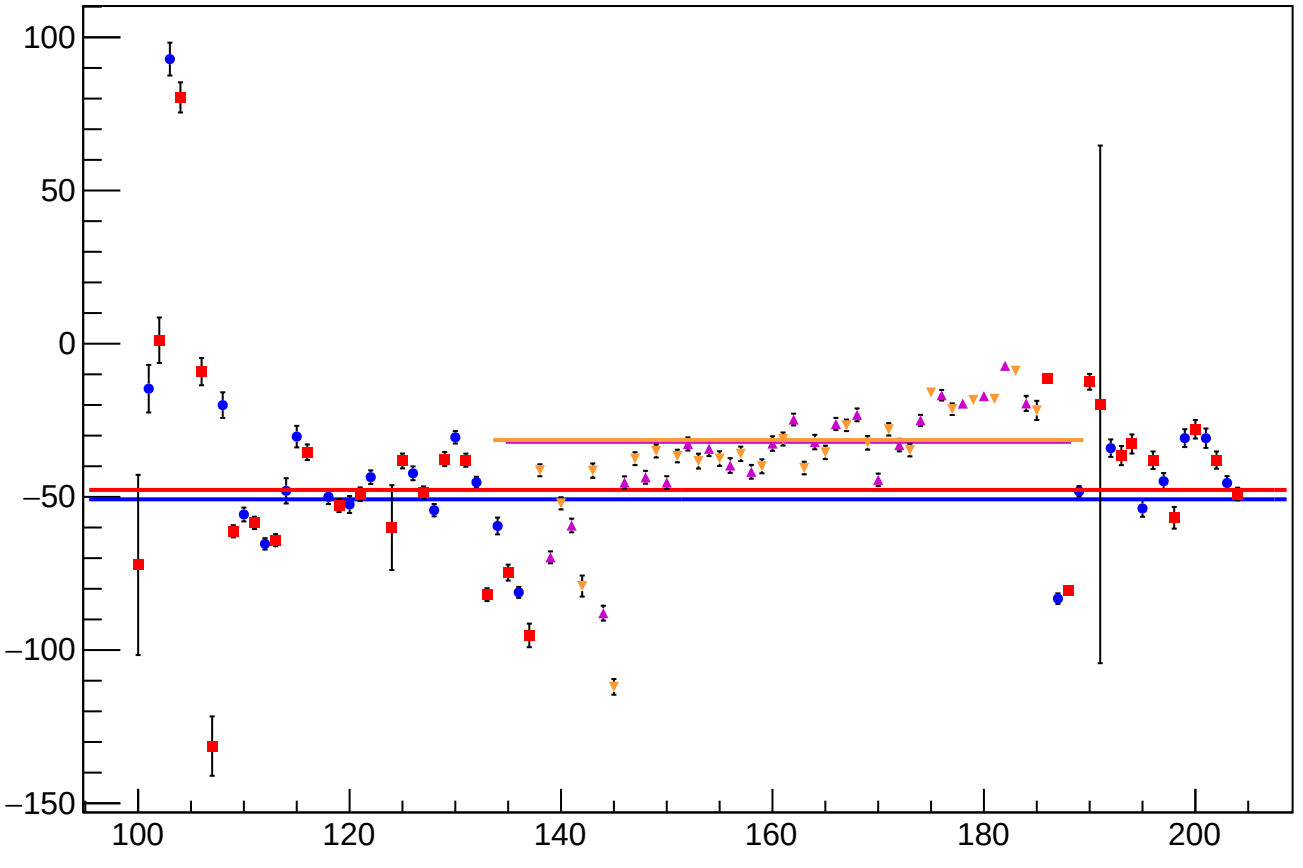
Left: 117.265+/-0.027 χ^2/NDF: 8145.5/47

Right: 109.586+/-0.049 χ^2/NDF: 168608.7/53

In: 116.167+/-0.034 χ^2/NDF:92126.5/46

Out: 114.821+/-0.033 χ^2/NDF:102575.8/54

All: 115.473+/-0.024 χ^2/NDF: 195506.0/101



Right In: -50.797+/-0.490 χ^2/NDF: 1816.2/23

Left Out: -31.452+/-0.399 χ^2/NDF:1992.2/24

Right Out: -47.724+/-0.420 χ^2/NDF: 4195.0/29

Left In: -32.015+/-0.409 χ^2/NDF:1913.4/22

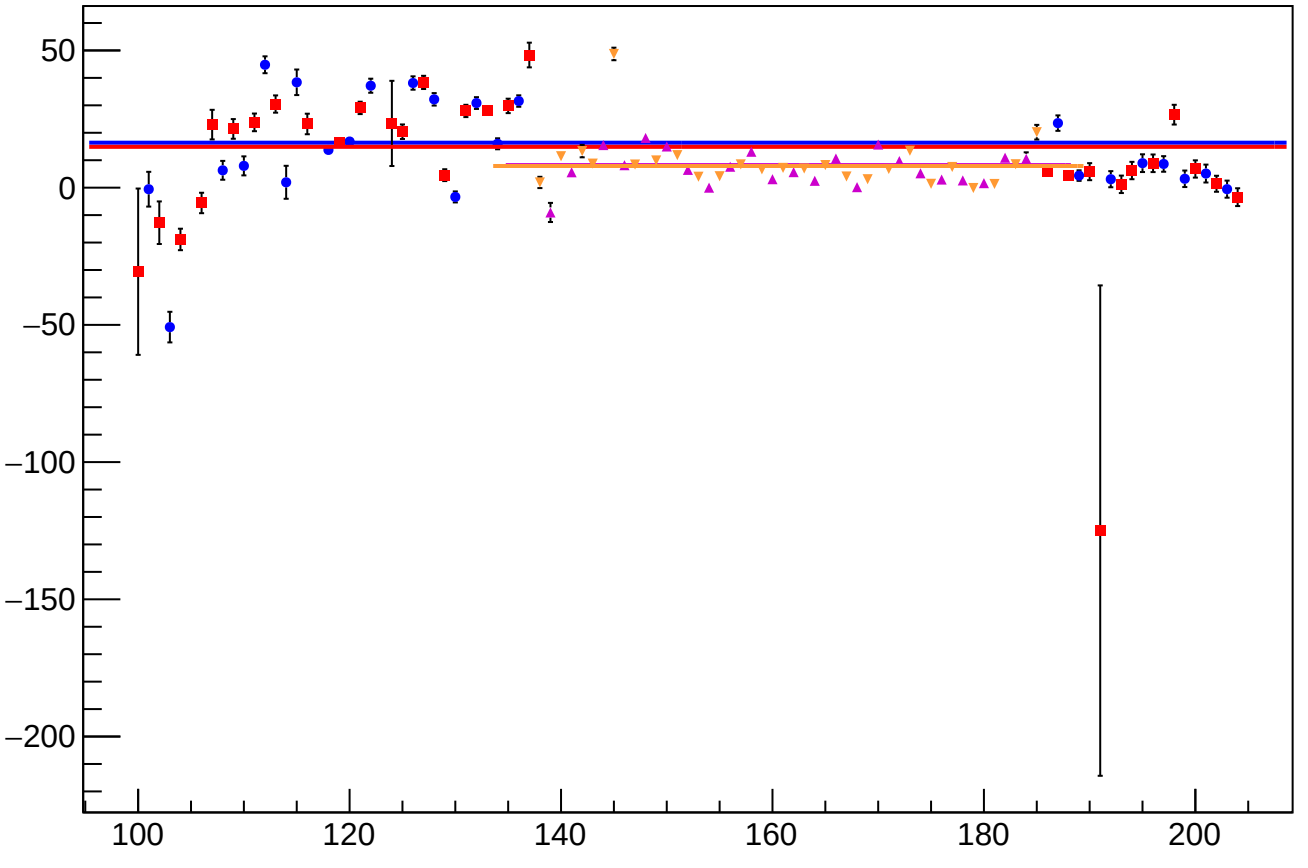
Left: -31.726+/-0.286 χ^2/NDF: 3906.6/47

Right: -49.028+/-0.319 χ^2/NDF: 6033.9/53

In: -39.736+/-0.314 χ^2/NDF:4596.1/46

Out: -39.159+/-0.289 χ^2/NDF:6975.3/54

All: -39.424+/-0.213 χ^2/NDF: 11573.3/101



Right In: 16.390+/-0.519 χ^2/NDF: 811.8/23

Left Out: 7.897+/-0.304 χ^2/NDF:490.5/24

Right Out: 14.877+/-0.472 χ^2/NDF: 737.9/29

Left In: 8.223+/-0.316 χ^2/NDF:338.8/22

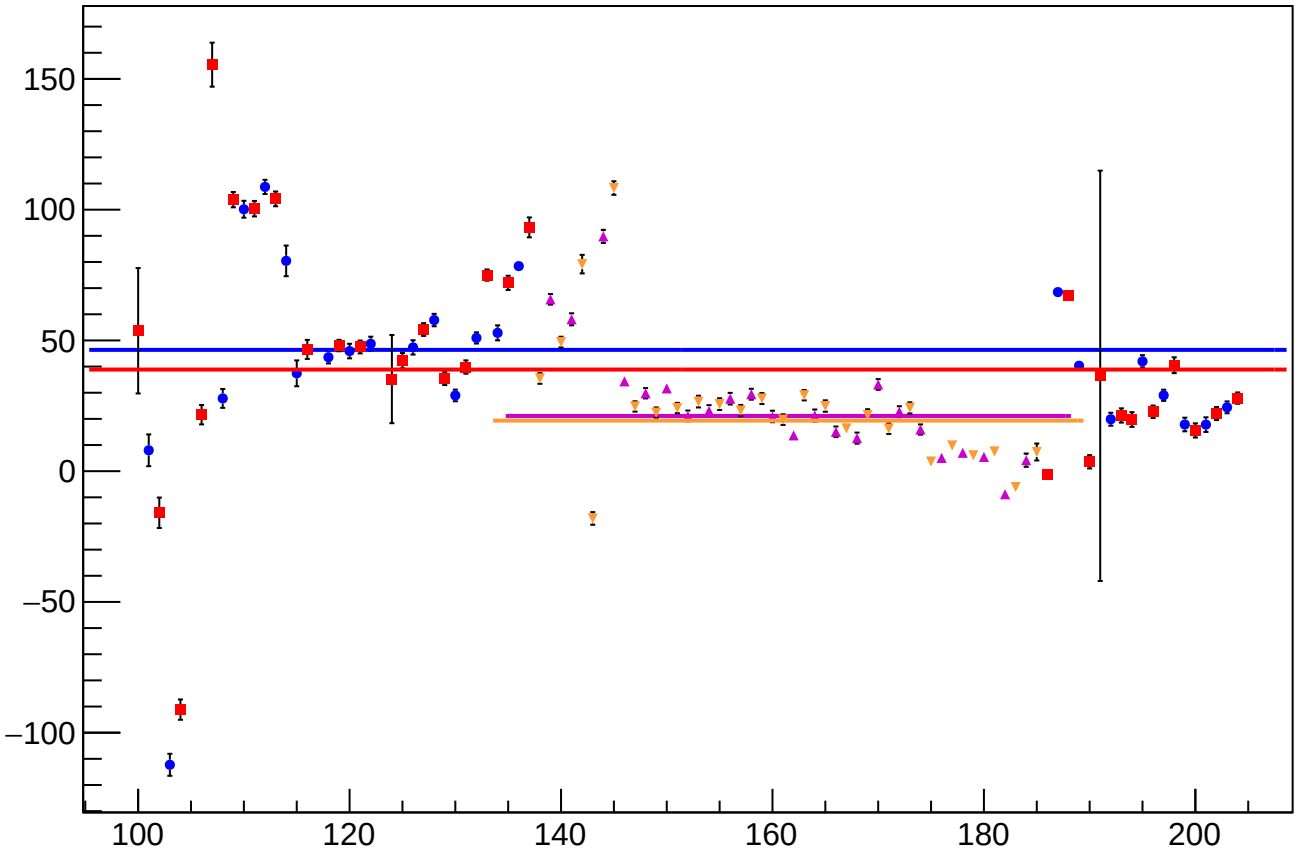
Left: 8.054+/-0.219 χ^2/NDF: 829.9/47

Right: 15.561+/-0.349 χ^2/NDF: 1554.3/53

In: 10.426+/-0.270 χ^2/NDF:1331.3/46

Out: 9.944+/-0.255 χ^2/NDF:1383.2/54

All: 10.172+/-0.185 χ^2/NDF: 2716.1/101



Right In: 46.388+/-0.497 χ^2/NDF: 3499.6/23

Left Out: 19.339+/-0.396 χ^2/NDF:2682.4/24

Right Out: 38.861+/-0.403 χ^2/NDF: 7567.1/29

Left In: 21.124+/-0.405 χ^2/NDF:2504.8/22

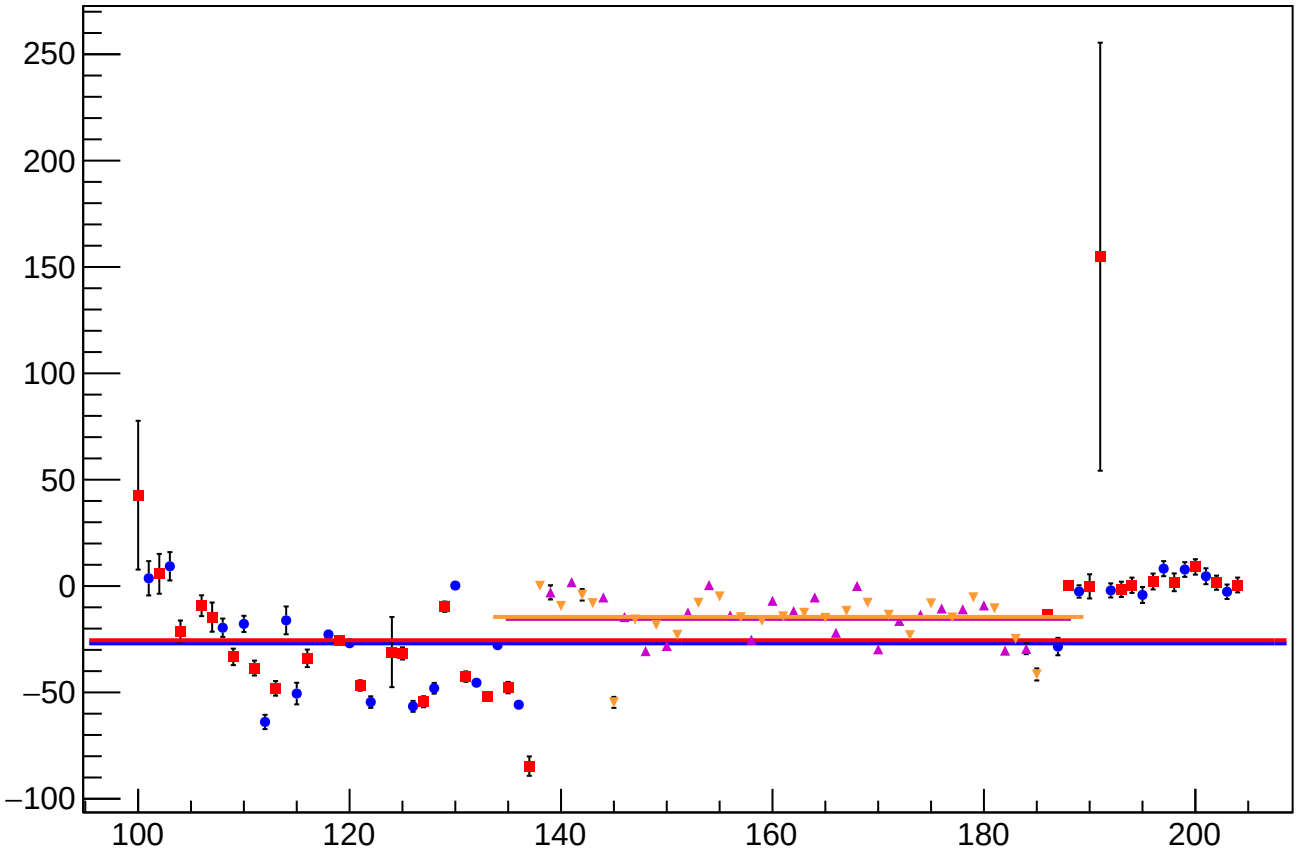
Left: 20.211+/-0.283 χ^2/NDF: 5197.1/47

Right: 41.845+/-0.313 χ^2/NDF: 11205.2/53

In: 31.203+/-0.314 χ^2/NDF:7558.7/46

Out: 28.926+/-0.282 χ^2/NDF:11445.5/54

All: 29.944+/-0.210 χ^2/NDF: 19033.4/101



Right In: -26.933+/-0.609 χ^2/NDF: 1392.5/23

Left Out: -14.502+/-0.344 χ^2/NDF:641.0/24

Right Out: -25.478+/-0.574 χ^2/NDF: 1453.0/29

Left In: -15.417+/-0.355 χ^2/NDF:798.7/22

Left: -14.945+/-0.247 χ^2/NDF: 1443.2/47

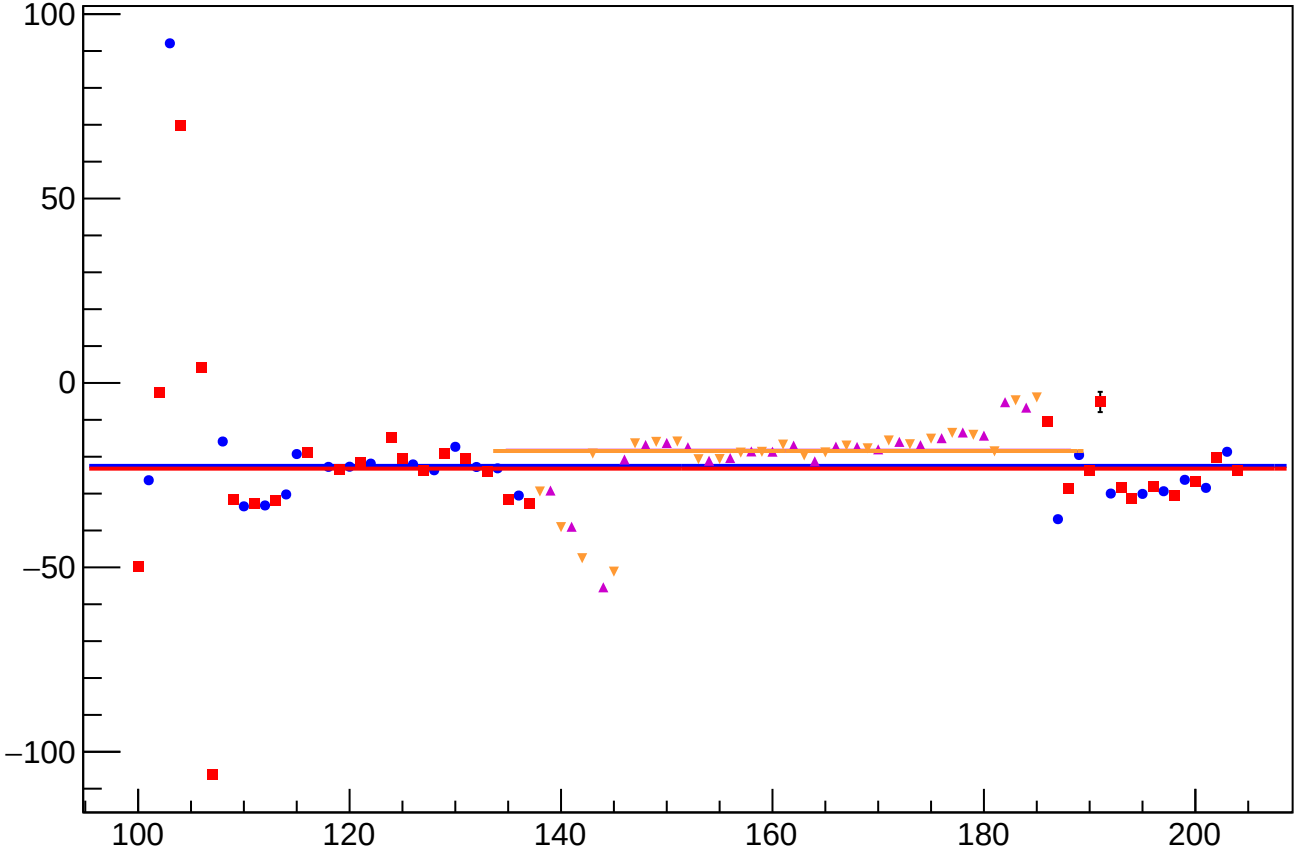
Right: -26.163+/-0.417 χ^2/NDF: 2848.6/53

In: -18.344+/-0.307 χ^2/NDF:2458.3/46

Out: -17.404+/-0.295 χ^2/NDF:2363.3/54

All: -17.855+/-0.213 χ^2/NDF: 4826.4/101

reg_asym_at1_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -22.485+/-0.030 χ^2/NDF: 460811.1/23

Left Out: -18.450+/-0.015 χ^2/NDF:295359.2/24

Right Out: -23.231+/-0.029 χ^2/NDF: 379418.4/29

Left In: -18.378+/-0.016 χ^2/NDF:250040.9/22

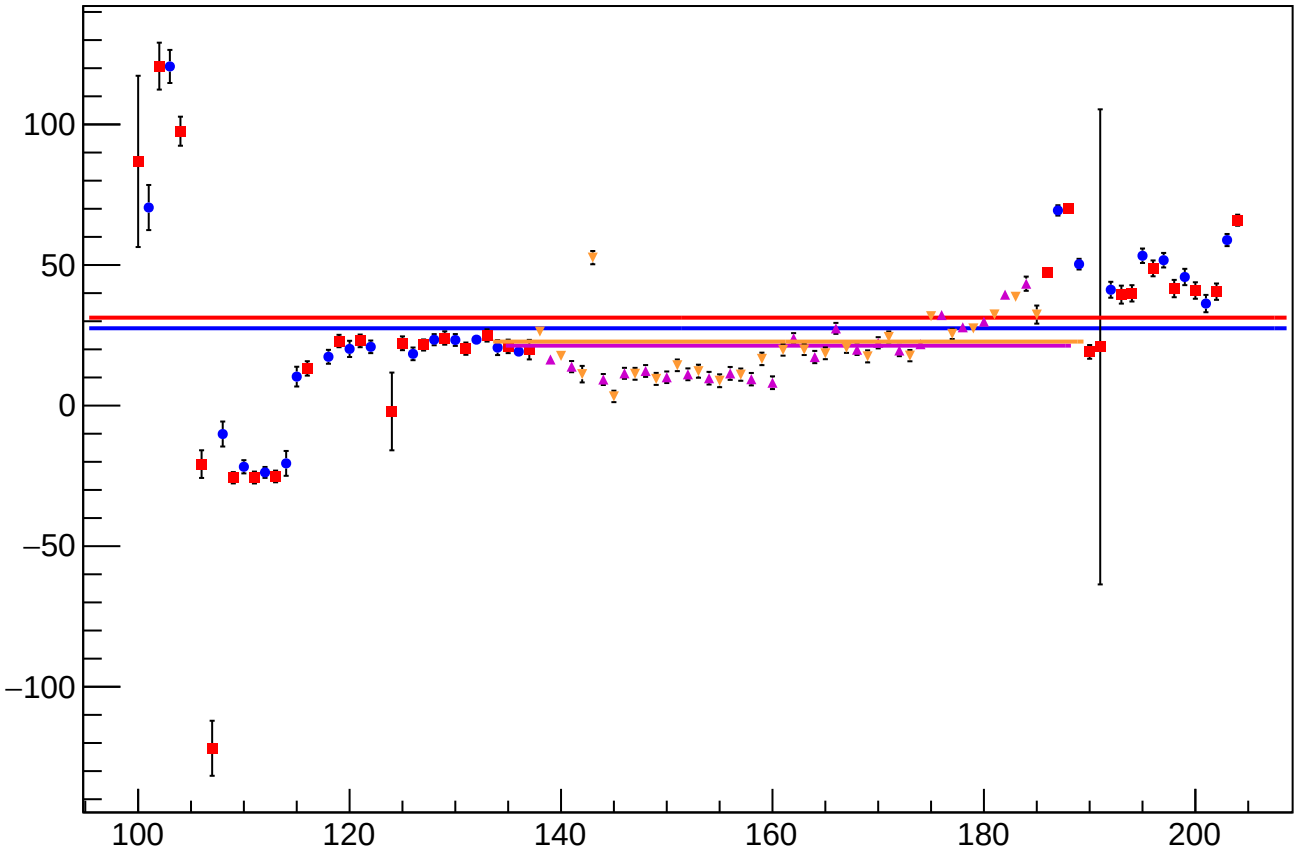
Left: -18.414+/-0.011 χ^2/NDF: 545410.6/47

Right: -22.873+/-0.021 χ^2/NDF: 840551.6/53

In: -19.266+/-0.014 χ^2/NDF:725541.0/46

Out: -19.521+/-0.014 χ^2/NDF:696149.5/54

All: -19.396+/-0.010 χ^2/NDF: 1421861.7/101



Right In: 27.502+/-0.495 χ^2/NDF: 2852.7/23

Left Out: 22.766+/-0.383 χ^2/NDF:722.8/24

Right Out: 31.279+/-0.437 χ^2/NDF: 4981.5/29

Left In: 21.325+/-0.393 χ^2/NDF:629.9/22

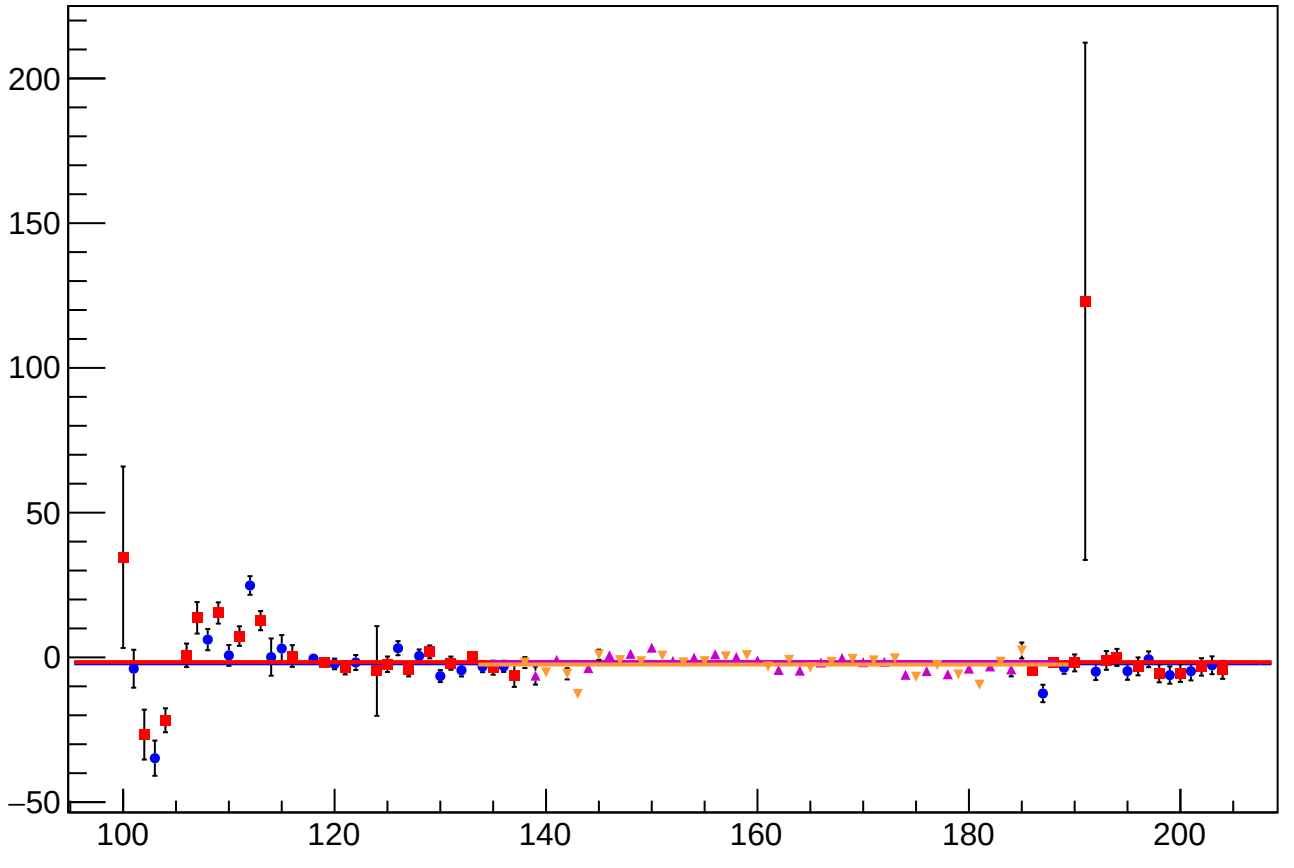
Left: 22.064+/-0.274 χ^2/NDF: 1359.6/47

Right: 29.622+/-0.328 χ^2/NDF: 7866.9/53

In: 23.712+/-0.308 χ^2/NDF:3578.2/46

Out: 26.456+/-0.288 χ^2/NDF:5918.8/54

All: 25.175+/-0.210 χ^2/NDF: 9539.4/101



Right In: -2.044+/-0.525 χ^2/NDF: 136.4/23

Left Out: -2.468+/-0.293 χ^2/NDF:116.7/24

Right Out: -1.626+/-0.490 χ^2/NDF: 106.4/29

Left In: -1.659+/-0.304 χ^2/NDF:70.2/22

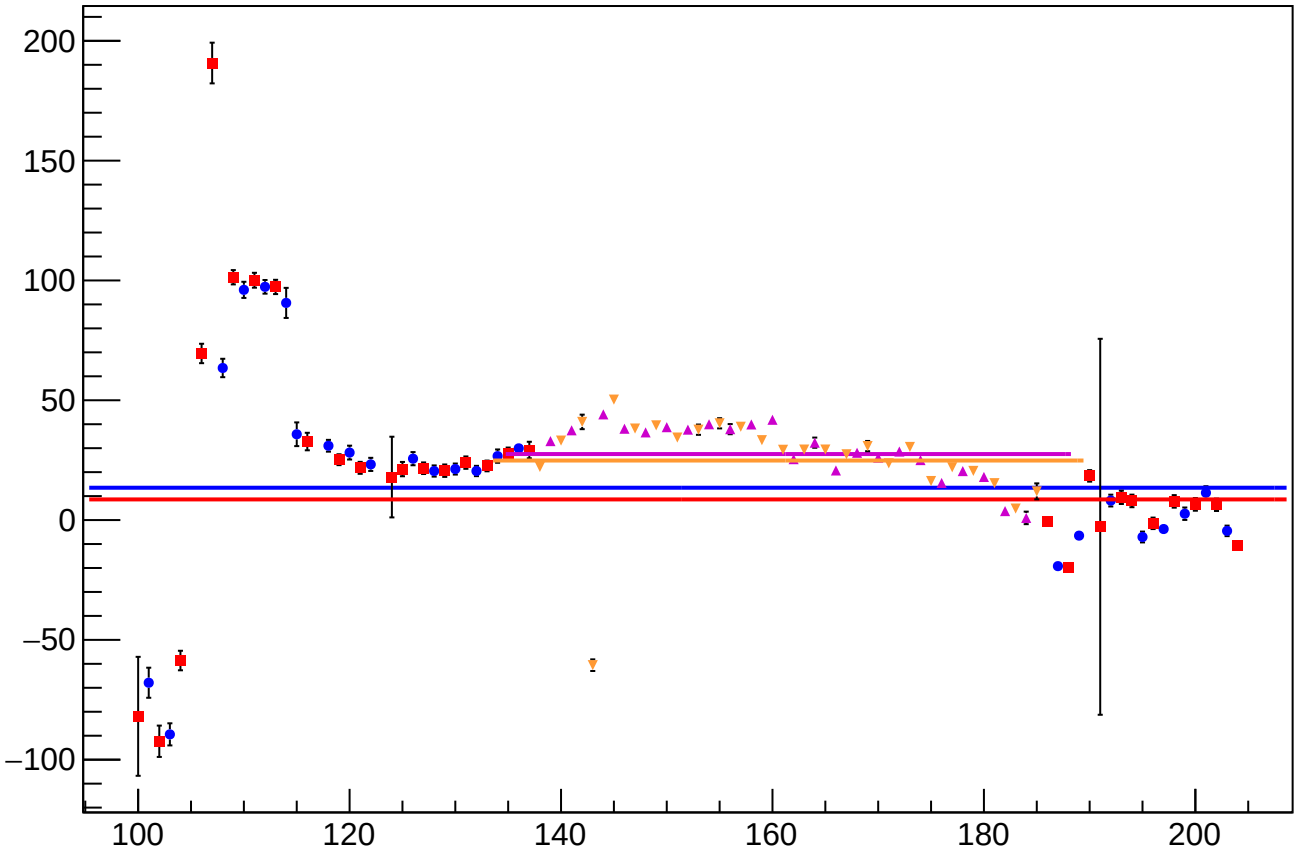
Left: -2.079+/-0.211 χ^2/NDF: 190.6/47

Right: -1.820+/-0.358 χ^2/NDF: 243.1/53

In: -1.756+/-0.263 χ^2/NDF:207.0/46

Out: -2.246+/-0.252 χ^2/NDF:225.3/54

All: -2.012+/-0.182 χ^2/NDF: 434.1/101



Right In: 13.497+/-0.504 χ^2/NDF: 3593.0/23

Left Out: 24.850+/-0.380 χ^2/NDF:2048.7/24

Right Out: 8.616+/-0.425 χ^2/NDF: 5572.2/29

Left In: 27.551+/-0.389 χ^2/NDF:881.9/22

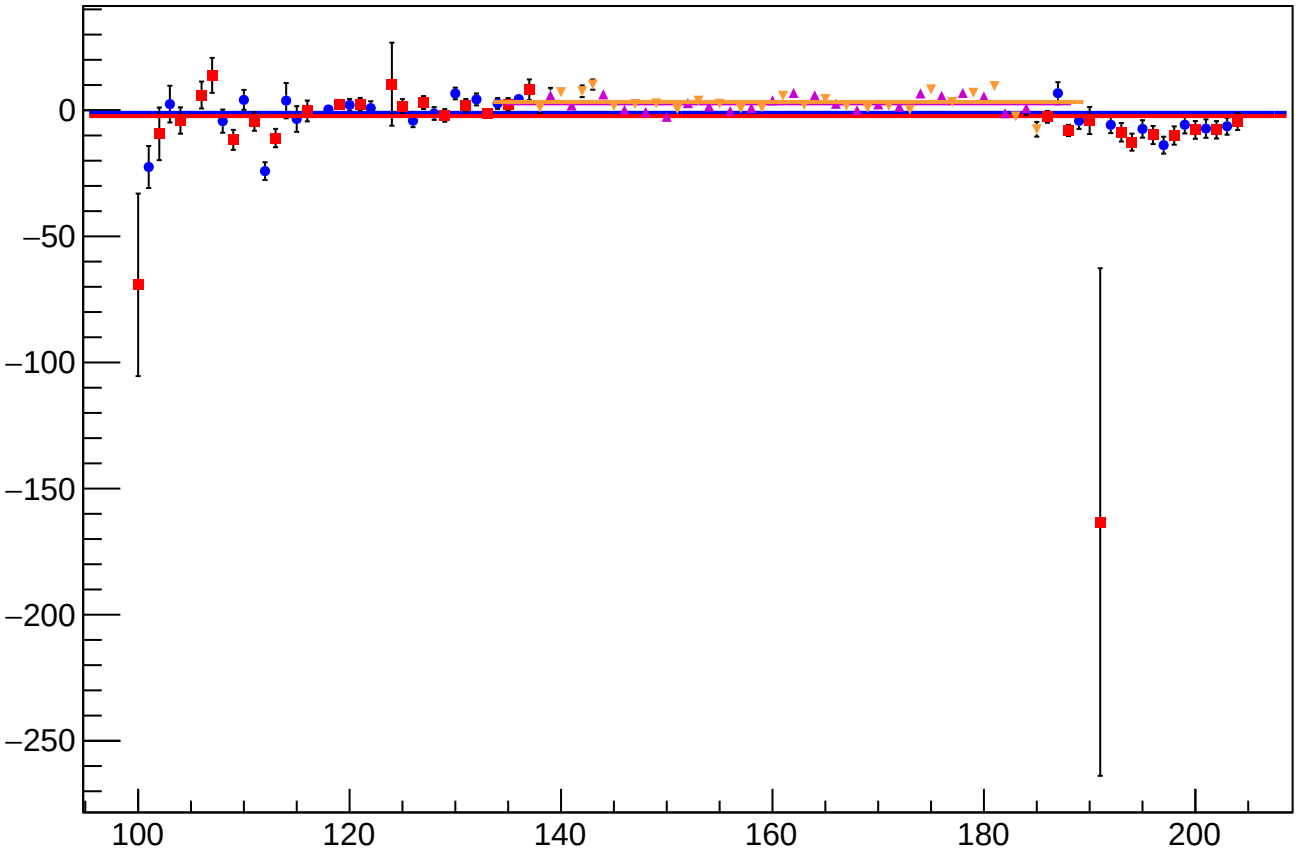
Left: 26.168+/-0.272 χ^2/NDF: 2955.3/47

Right: 10.646+/-0.325 χ^2/NDF: 9219.9/53

In: 22.310+/-0.308 χ^2/NDF:4961.9/46

Out: 17.651+/-0.283 χ^2/NDF:8431.2/54

All: 19.787+/-0.208 χ^2/NDF: 13517.1/101



Right In: -1.030+/-0.611 χ^2/NDF: 115.5/23

Left Out: 3.287+/-0.331 χ^2/NDF:106.3/24

Right Out: -2.319+/-0.589 χ^2/NDF: 89.1/29

Left In: 2.730+/-0.342 χ^2/NDF:74.5/22

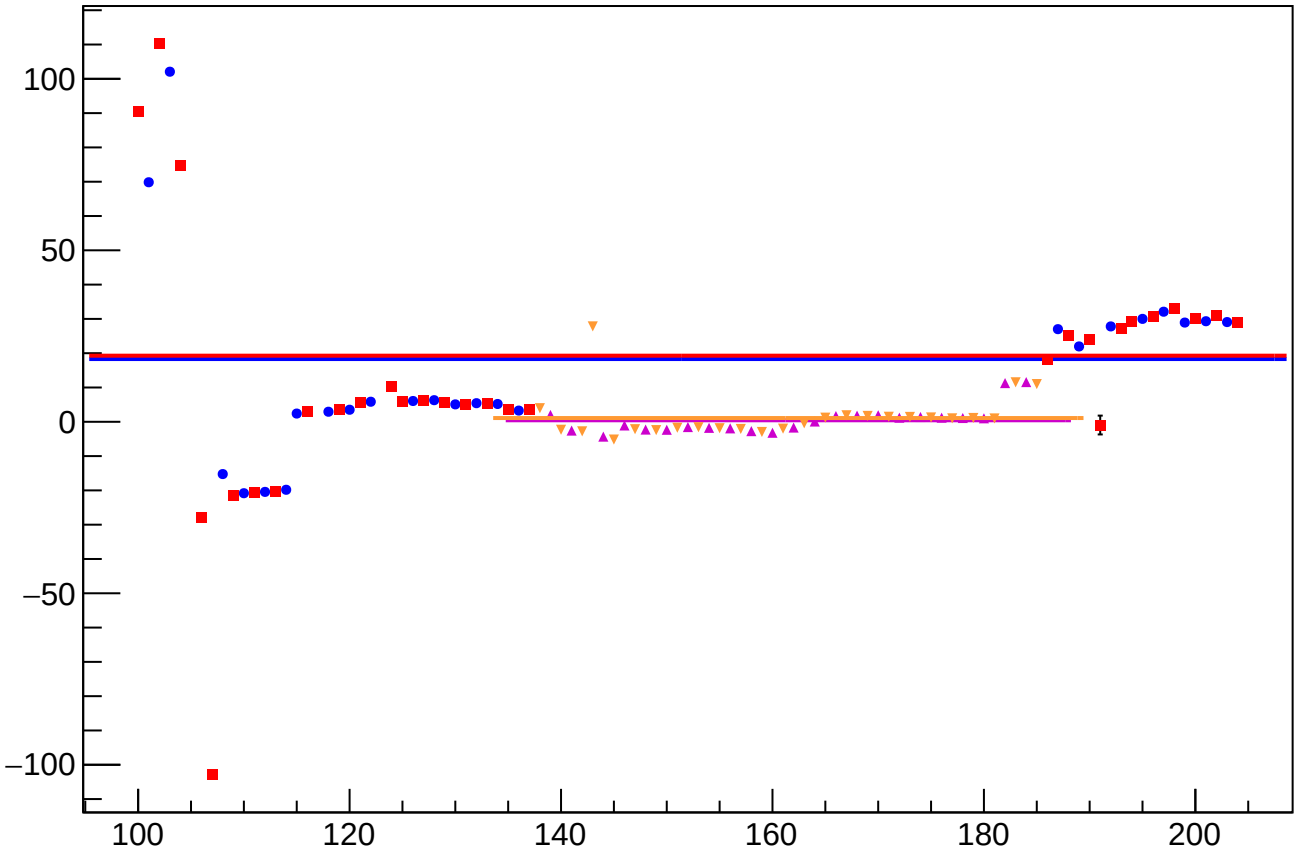
Left: 3.017+/-0.238 χ^2/NDF: 182.1/47

Right: -1.699+/-0.424 χ^2/NDF: 206.9/53

In: 1.833+/-0.299 χ^2/NDF:218.8/46

Out: 1.938+/-0.289 χ^2/NDF:264.3/54

All: 1.887+/-0.208 χ^2/NDF: 483.1/101



Right In: 18.297+/-0.030 χ^2/NDF: 461411.5/23

Left Out: 1.094+/-0.015 χ^2/NDF:128801.7/24

Right Out: 19.277+/-0.029 χ^2/NDF: 615752.7/29

Left In: 0.443+/-0.015 χ^2/NDF:53446.3/22

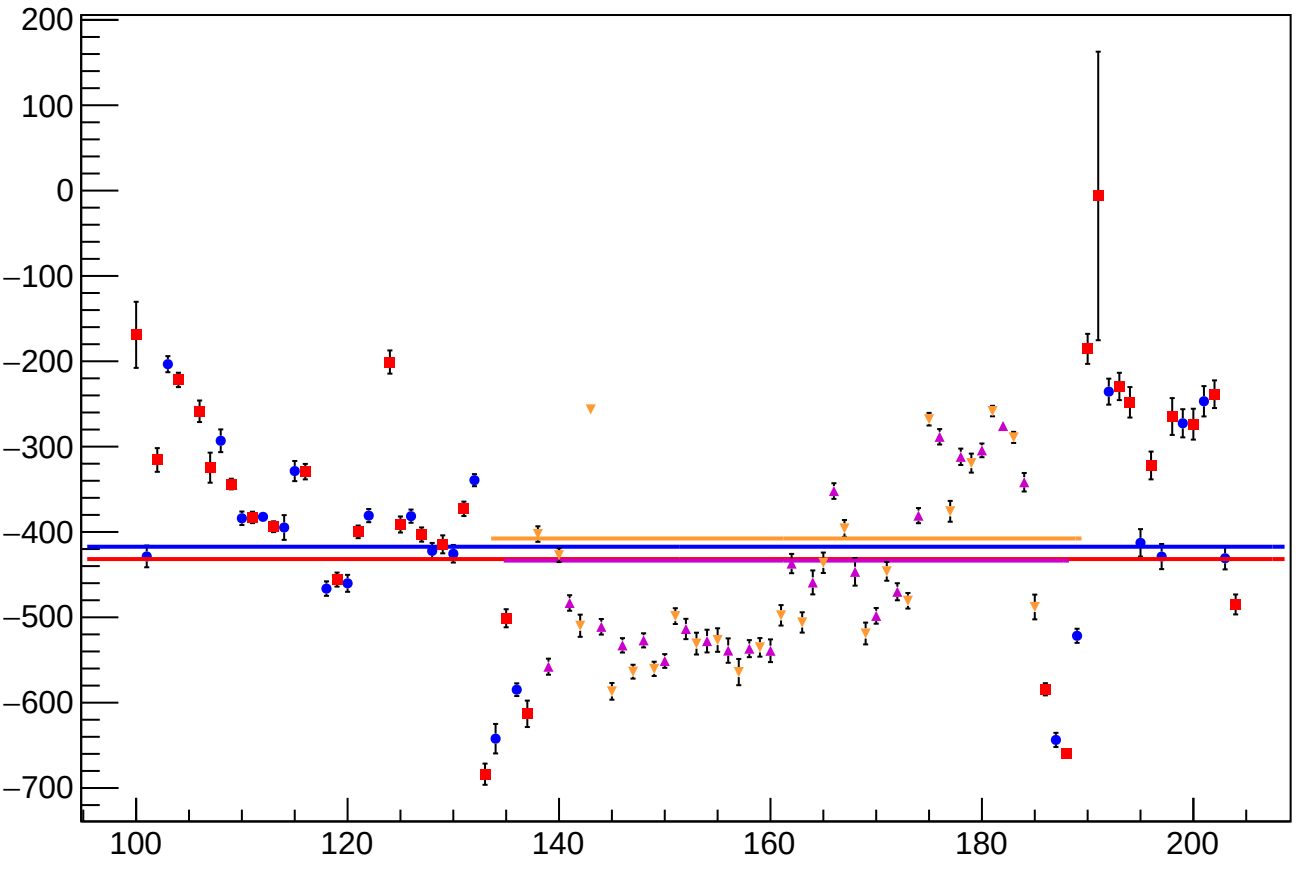
Left: 0.774+/-0.011 χ^2/NDF: 183195.5/47

Right: 18.801+/-0.021 χ^2/NDF: 1077730.1/53

In: 4.128+/-0.013 χ^2/NDF:803895.9/46

Out: 4.924+/-0.013 χ^2/NDF:1060890.3/54

All: 4.534+/-0.009 χ^2/NDF: 1866576.5/101



Right In: -417.287+/-1.982 χ^2/NDF: 2825.6/23

Left Out: -407.620+/-1.868 χ^2/NDF:4005.6/24

Right Out: -431.741+/-1.758 χ^2/NDF: 6331.5/29

Left In: -433.529+/-1.993 χ^2/NDF:2724.5/22

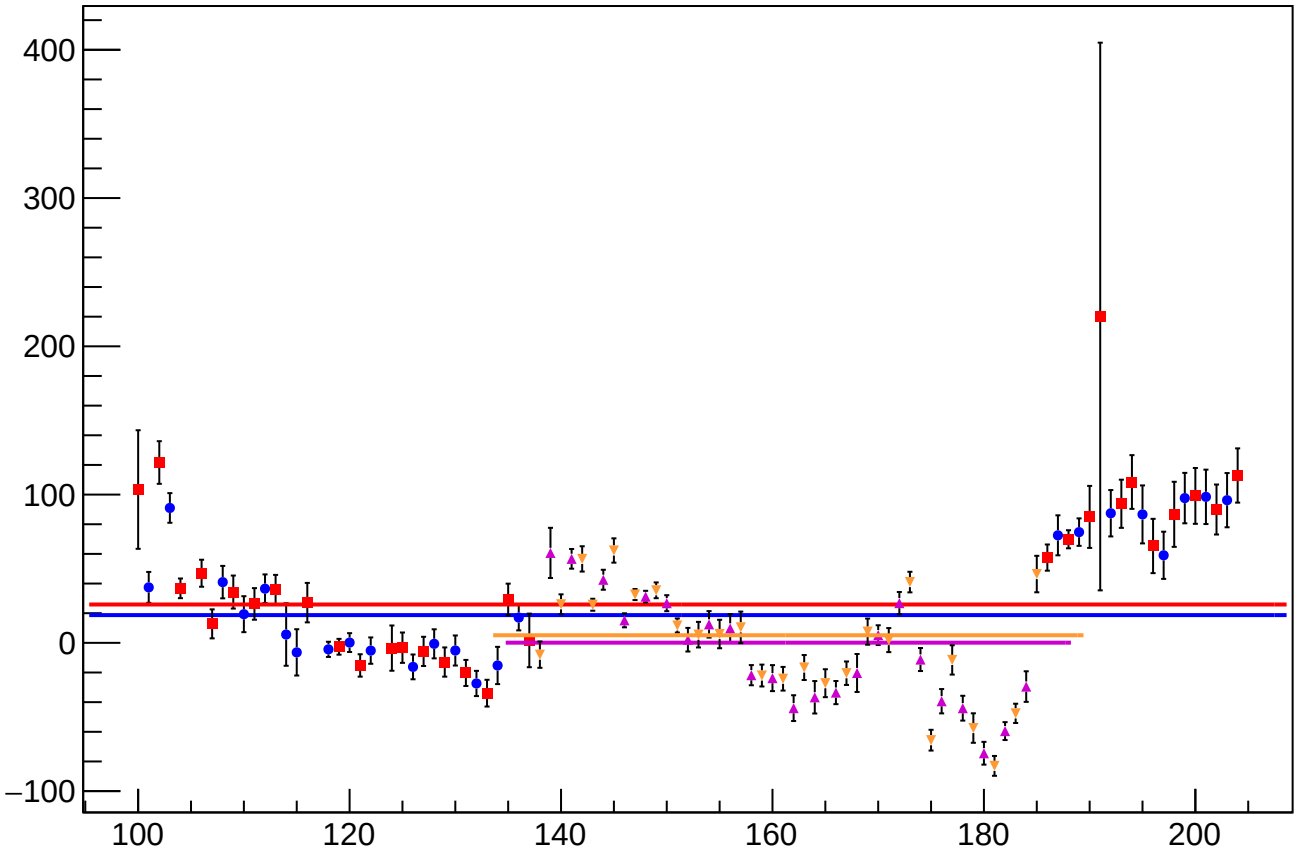
Left: -419.735+/-1.363 χ^2/NDF: 6820.1/47

Right: -425.374+/-1.315 χ^2/NDF: 9186.9/53

In: -425.362+/-1.405 χ^2/NDF:5583.6/46

Out: -420.408+/-1.280 χ^2/NDF:10425.6/54

All: -422.655+/-0.946 χ^2/NDF: 16015.9/101



Right In: 18.718+/-2.075 χ^2/NDF: 314.3/23

Left Out: 5.125+/-1.379 χ^2/NDF:689.2/24

Right Out: 25.865+/-1.923 χ^2/NDF: 405.4/29

Left In: 0.124+/-1.489 χ^2/NDF:568.6/22

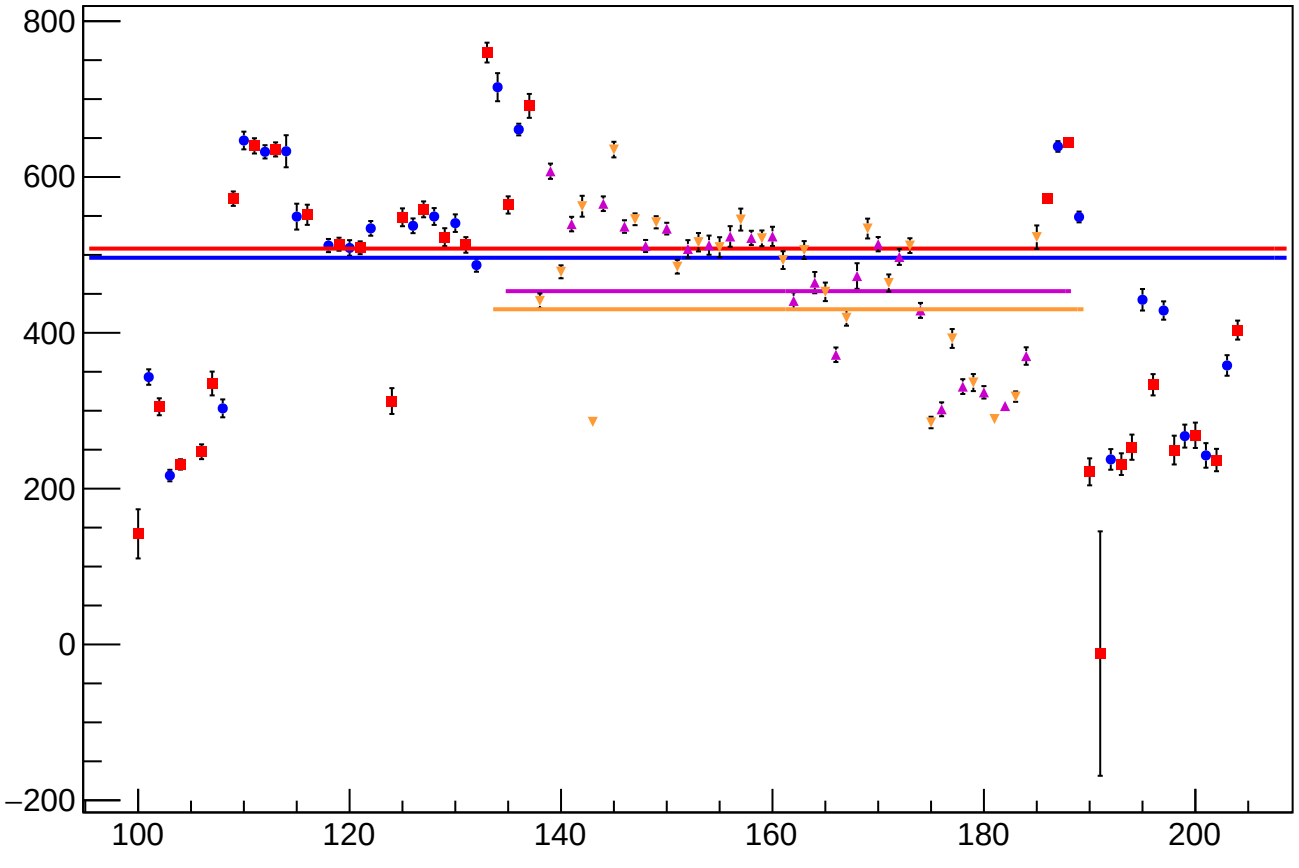
Left: 2.817+/-1.012 χ^2/NDF: 1263.8/47

Right: 22.563+/-1.410 χ^2/NDF: 726.1/53

In: 6.446+/-1.210 χ^2/NDF:935.9/46

Out: 12.166+/-1.120 χ^2/NDF:1171.4/54

All: 9.525+/-0.822 χ^2/NDF: 2119.3/101



Right In: 496.340+/-2.059 χ^2/NDF: 4676.1/23

Left Out: 430.238+/-1.861 χ^2/NDF:3405.1/24

Right Out: 508.123+/-1.765 χ^2/NDF: 7837.5/29

Left In: 453.496+/-1.974 χ^2/NDF:2419.7/22

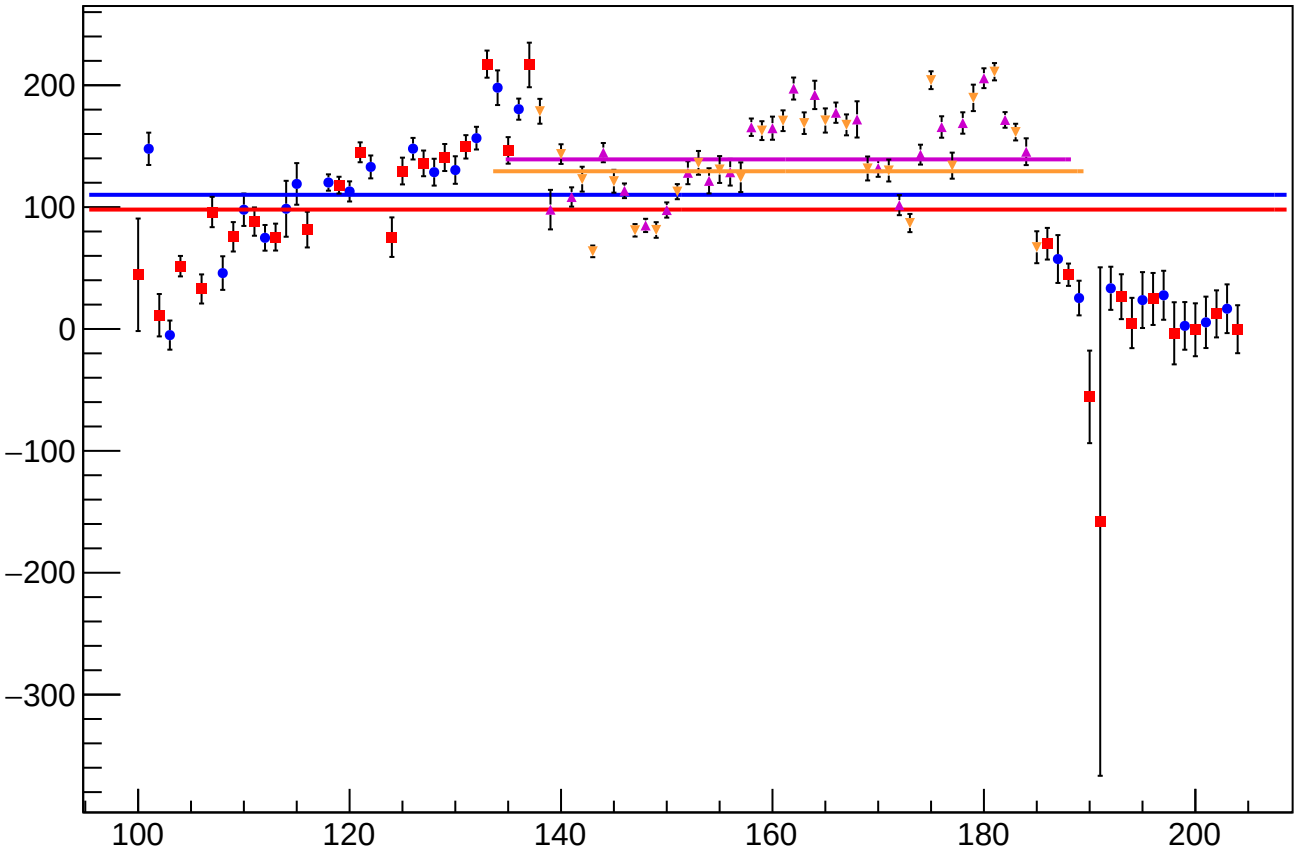
Left: 441.183+/-1.354 χ^2/NDF: 5898.2/47

Right: 503.131+/-1.340 χ^2/NDF: 12532.4/53

In: 474.012+/-1.425 χ^2/NDF:7321.3/46

Out: 471.232+/-1.281 χ^2/NDF:12164.4/54

All: 472.474+/-0.953 χ^2/NDF: 19487.8/101



Right In: 110.097+/-2.444 χ^2/NDF: 466.0/23

Left Out: 129.418+/-1.593 χ^2/NDF:814.3/24

Right Out: 97.984+/-2.298 χ^2/NDF: 566.5/29

Left In: 139.163+/-1.705 χ^2/NDF:434.2/22

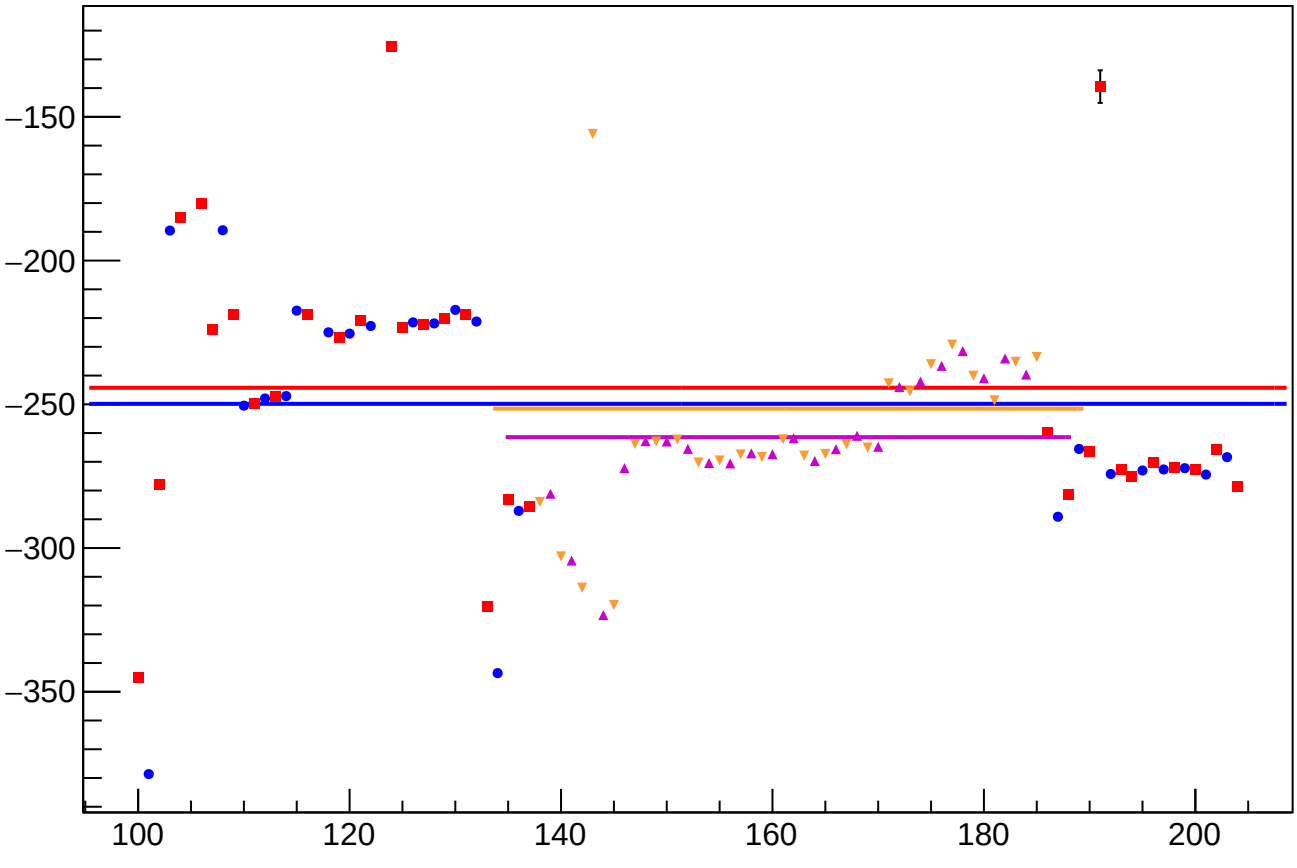
Left: 133.959+/-1.164 χ^2/NDF: 1265.9/47

Right: 103.667+/-1.674 χ^2/NDF: 1045.6/53

In: 129.650+/-1.398 χ^2/NDF:995.3/46

Out: 119.218+/-1.309 χ^2/NDF:1507.2/54

All: 124.090+/-0.956 χ^2/NDF: 2532.2/101



Right In: -249.837+/-0.127 χ^2/NDF: 147920.0/23

Left Out: -251.508+/-0.075 χ^2/NDF:254924.4/24

Right Out: -244.240+/-0.120 χ^2/NDF: 112473.3/29

Left In: -261.425+/-0.078 χ^2/NDF:69557.7/22

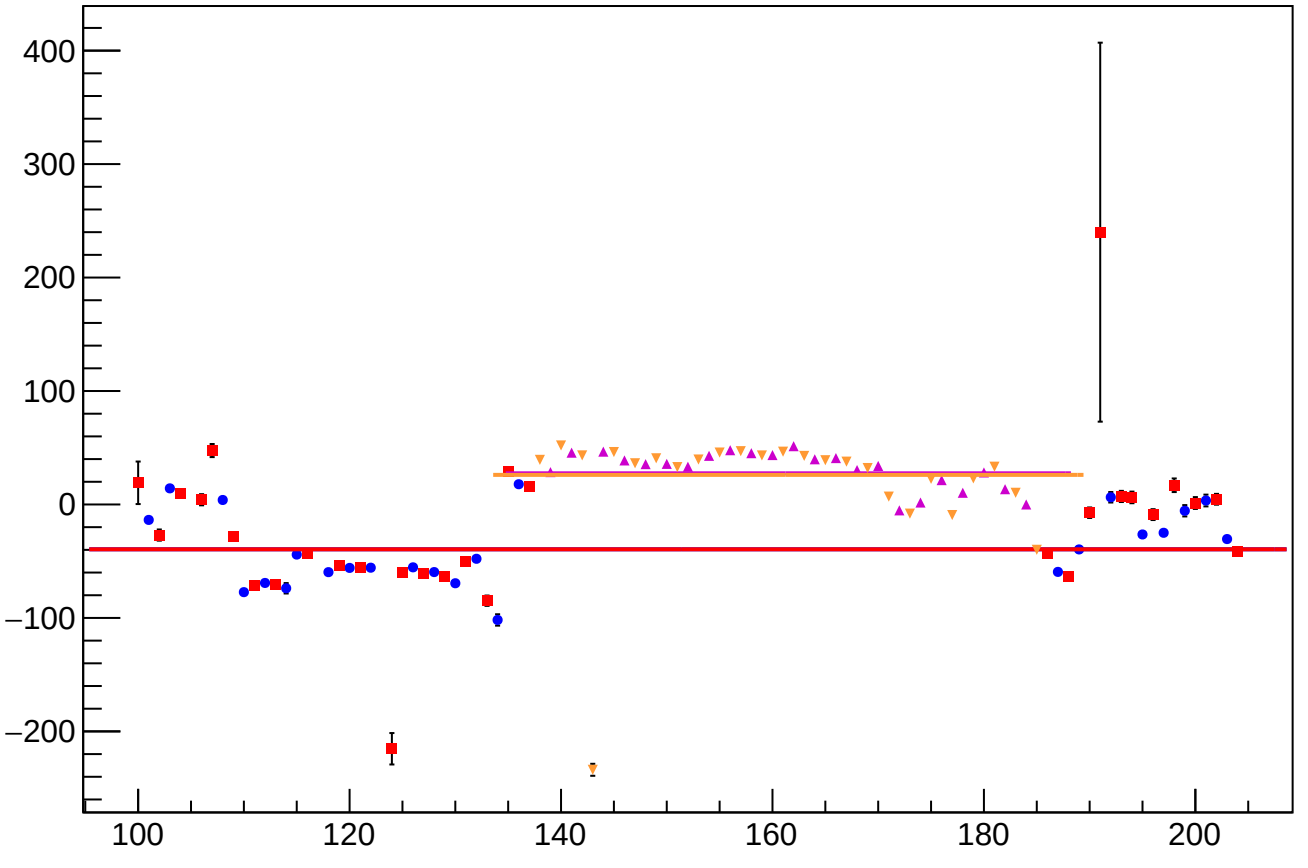
Left: -256.253+/-0.054 χ^2/NDF: 332939.5/47

Right: -246.883+/-0.087 χ^2/NDF: 261423.6/53

In: -258.246+/-0.066 χ^2/NDF:223552.3/46

Out: -249.478+/-0.063 χ^2/NDF:370049.4/54

All: -253.658+/-0.046 χ^2/NDF: 602741.9/101



Right In: -39.506+/-0.633 χ^2/NDF: 2712.2/23

Left Out: 26.087+/-0.390 χ^2/NDF:4785.1/24

Right Out: -39.515+/-0.546 χ^2/NDF: 3235.0/29

Left In: 27.466+/-0.396 χ^2/NDF:1608.9/22

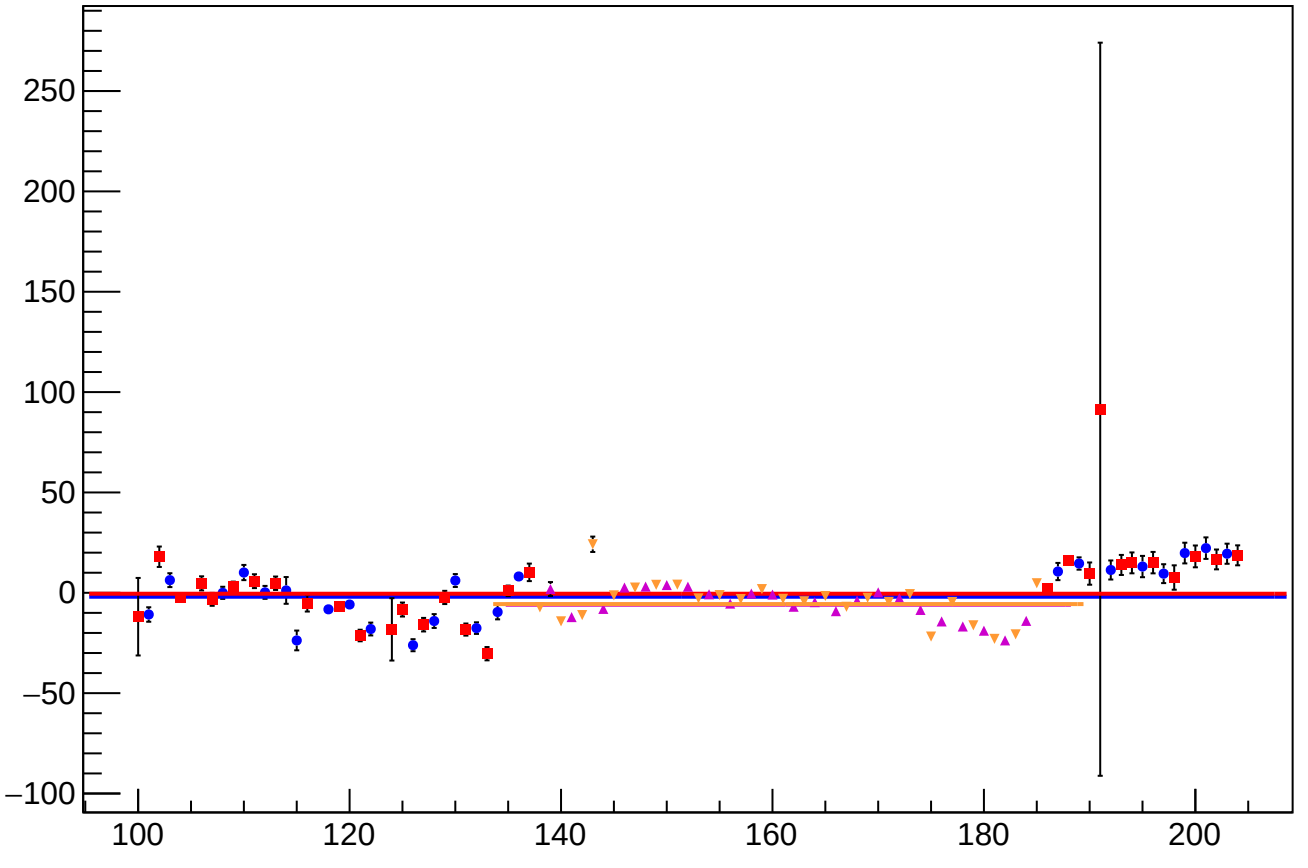
Left: 26.766+/-0.278 χ^2/NDF: 6400.2/47

Right: -39.511+/-0.414 χ^2/NDF: 5947.2/53

In: 8.642+/-0.336 χ^2/NDF:12369.0/46

Out: 3.969+/-0.317 χ^2/NDF:17574.7/54

All: 6.175+/-0.231 χ^2/NDF: 30046.1/101



Right In: -1.954+/-0.680 χ^2/NDF: 337.5/23

Left Out: -5.625+/-0.302 χ^2/NDF:893.3/24

Right Out: -0.466+/-0.623 χ^2/NDF: 370.5/29

Left In: -5.940+/-0.309 χ^2/NDF:712.2/22

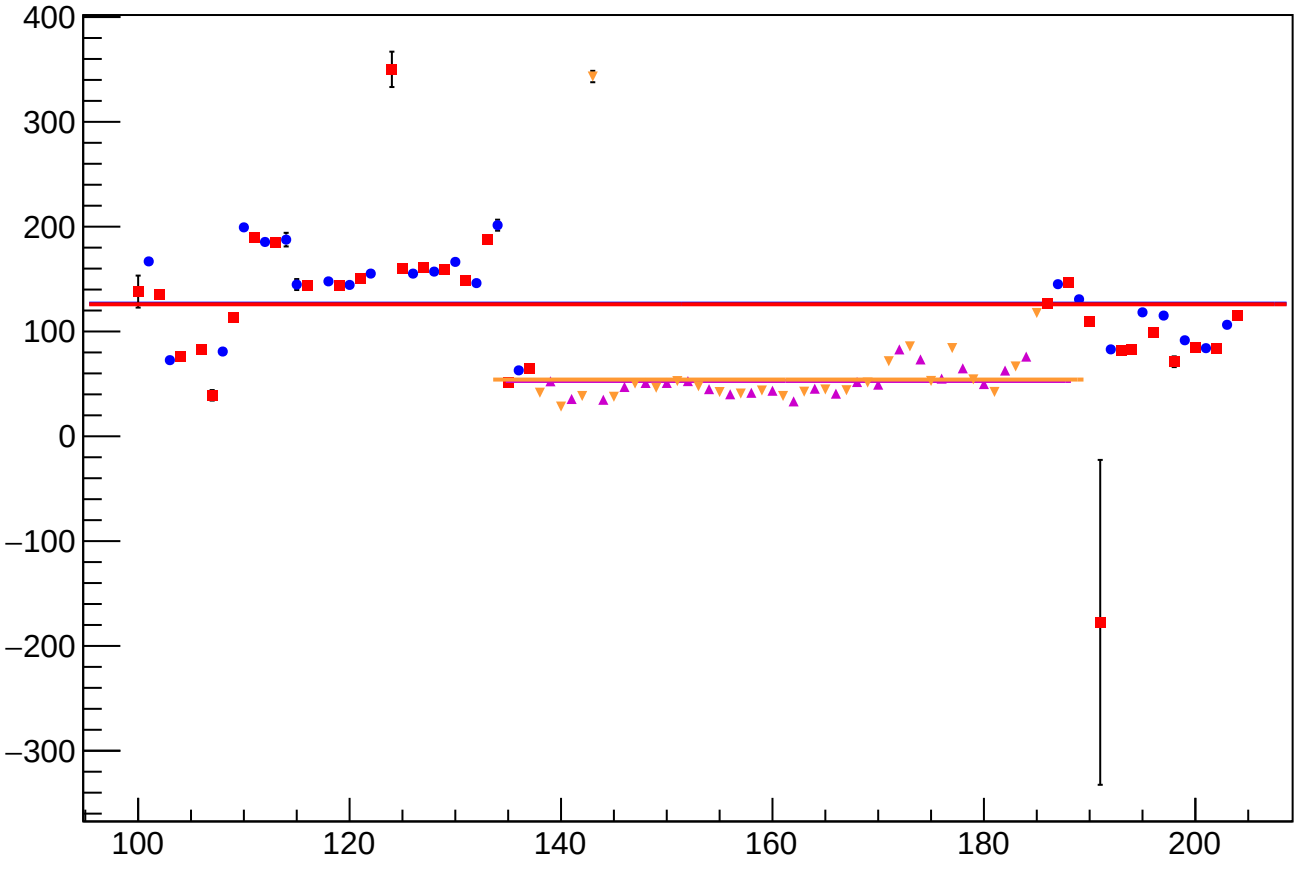
Left: -5.779+/-0.216 χ^2/NDF: 1606.1/47

Right: -1.146+/-0.460 χ^2/NDF: 710.6/53

In: -5.258+/-0.281 χ^2/NDF:1078.2/46

Out: -4.645+/-0.272 χ^2/NDF:1319.3/54

All: -4.941+/-0.195 χ^2/NDF: 2399.9/101



Right In: 126.557+/-0.653 χ^2/NDF: 4026.9/23

Left Out: 54.123+/-0.387 χ^2/NDF:4591.8/24

Right Out: 125.945+/-0.551 χ^2/NDF: 4360.5/29

Left In: 52.797+/-0.393 χ^2/NDF:978.1/22

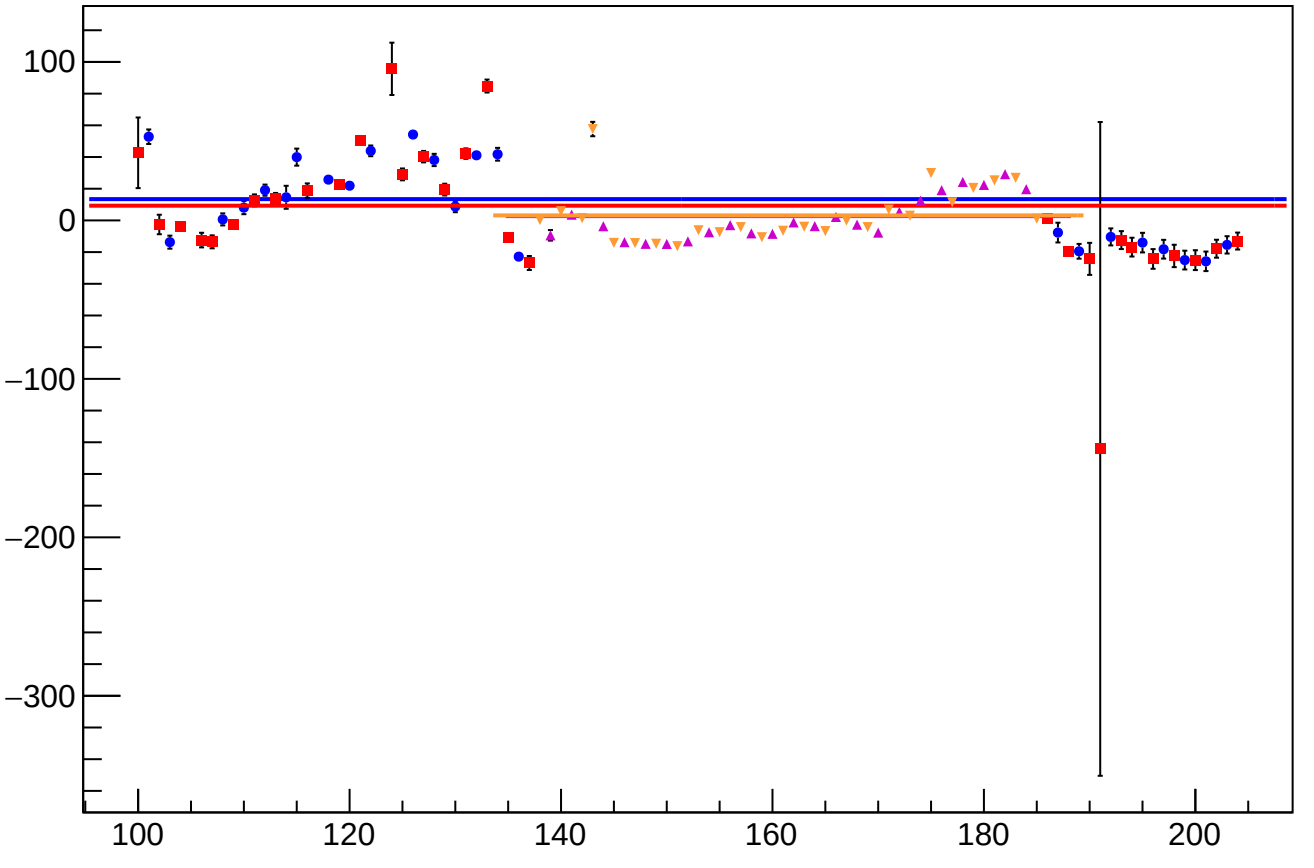
Left: 53.469+/-0.276 χ^2/NDF: 5575.7/47

Right: 126.199+/-0.421 χ^2/NDF: 8387.9/53

In: 72.370+/-0.336 χ^2/NDF:14371.4/46

Out: 77.865+/-0.317 χ^2/NDF:20321.8/54

All: 75.283+/-0.231 χ^2/NDF: 34834.7/101



Right In: 13.425+/-0.790 χ^2/NDF: 1140.1/23

Left Out: 3.155+/-0.340 χ^2/NDF:2012.4/24

Right Out: 9.292+/-0.742 χ^2/NDF: 1266.6/29

Left In: 2.722+/-0.347 χ^2/NDF:1735.2/22

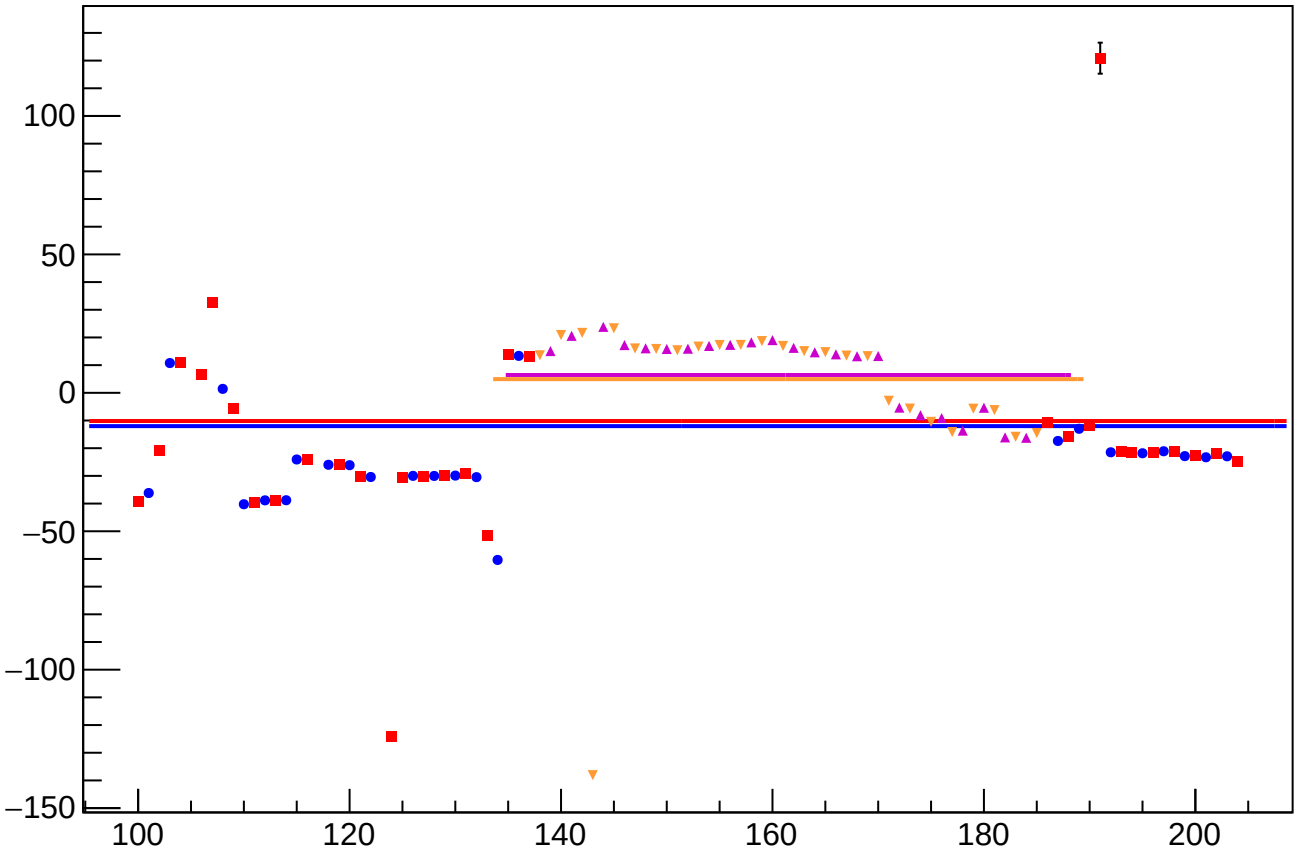
Left: 2.943+/-0.243 χ^2/NDF: 3748.4/47

Right: 11.229+/-0.541 χ^2/NDF: 2421.2/53

In: 4.450+/-0.317 χ^2/NDF:3029.1/46

Out: 4.219+/-0.309 χ^2/NDF:3335.5/54

All: 4.331+/-0.221 χ^2/NDF: 6364.8/101



Right In: -12.027+/-0.038 χ^2/NDF: 294616.8/23

Left Out: 4.946+/-0.015 χ^2/NDF:1136506.7/24

Right Out: -10.180+/-0.037 χ^2/NDF: 273222.5/29

Left In: 6.444+/-0.015 χ^2/NDF:729692.1/22

Left: 5.689+/-0.011 χ^2/NDF: 1871009.0/47

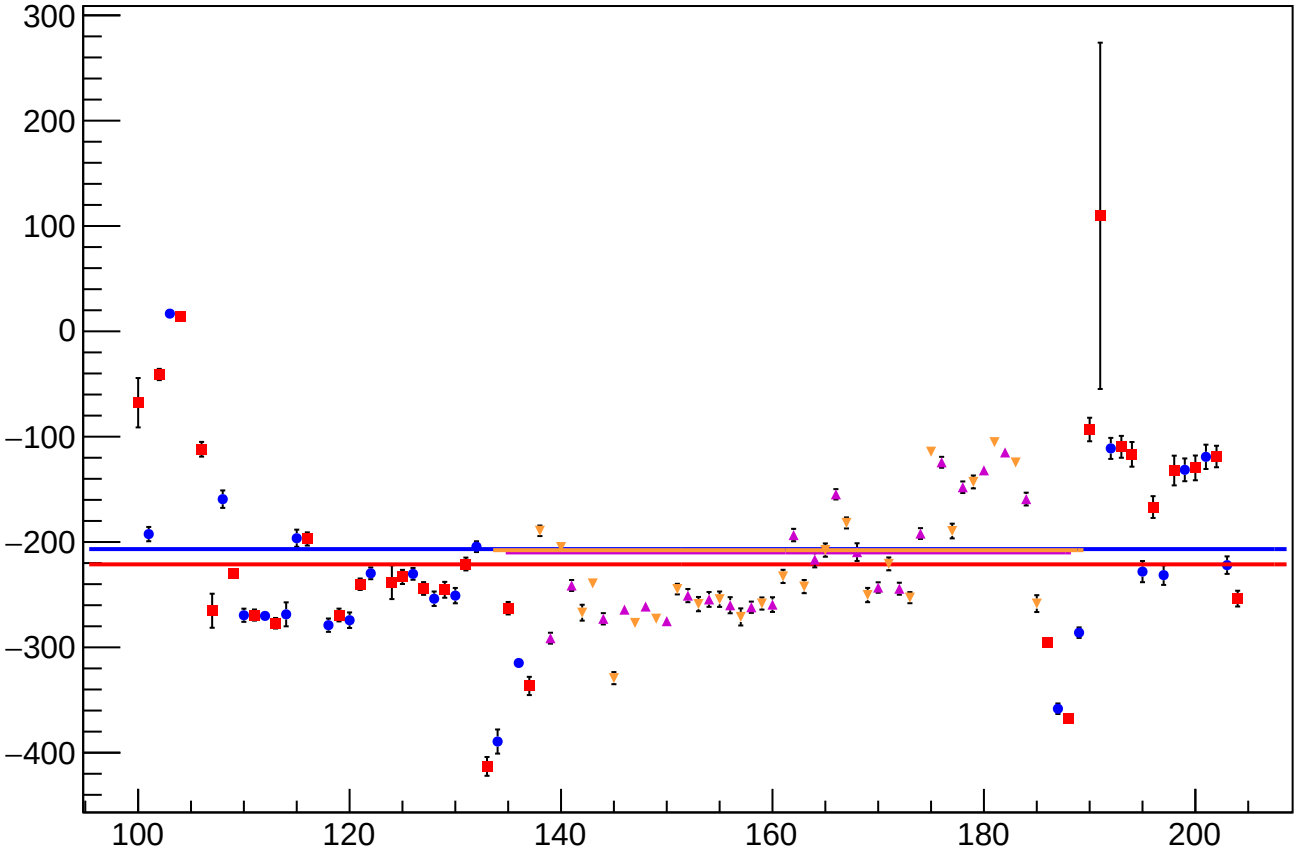
Right: -11.076+/-0.027 χ^2/NDF: 569047.3/53

In: 3.873+/-0.014 χ^2/NDF:1226192.3/46

Out: 2.760+/-0.014 χ^2/NDF:1552501.9/54

All: 3.310+/-0.010 χ^2/NDF: 2781788.3/101

reg_asym_atl1r2_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -206.725+/-1.251 χ^2/NDF: 8728.3/23

Left Out: -207.745+/-1.070 χ^2/NDF:3487.2/24

Right Out: -221.212+/-1.111 χ^2/NDF: 12187.9/29

Left In: -209.875+/-1.101 χ^2/NDF:3011.9/22

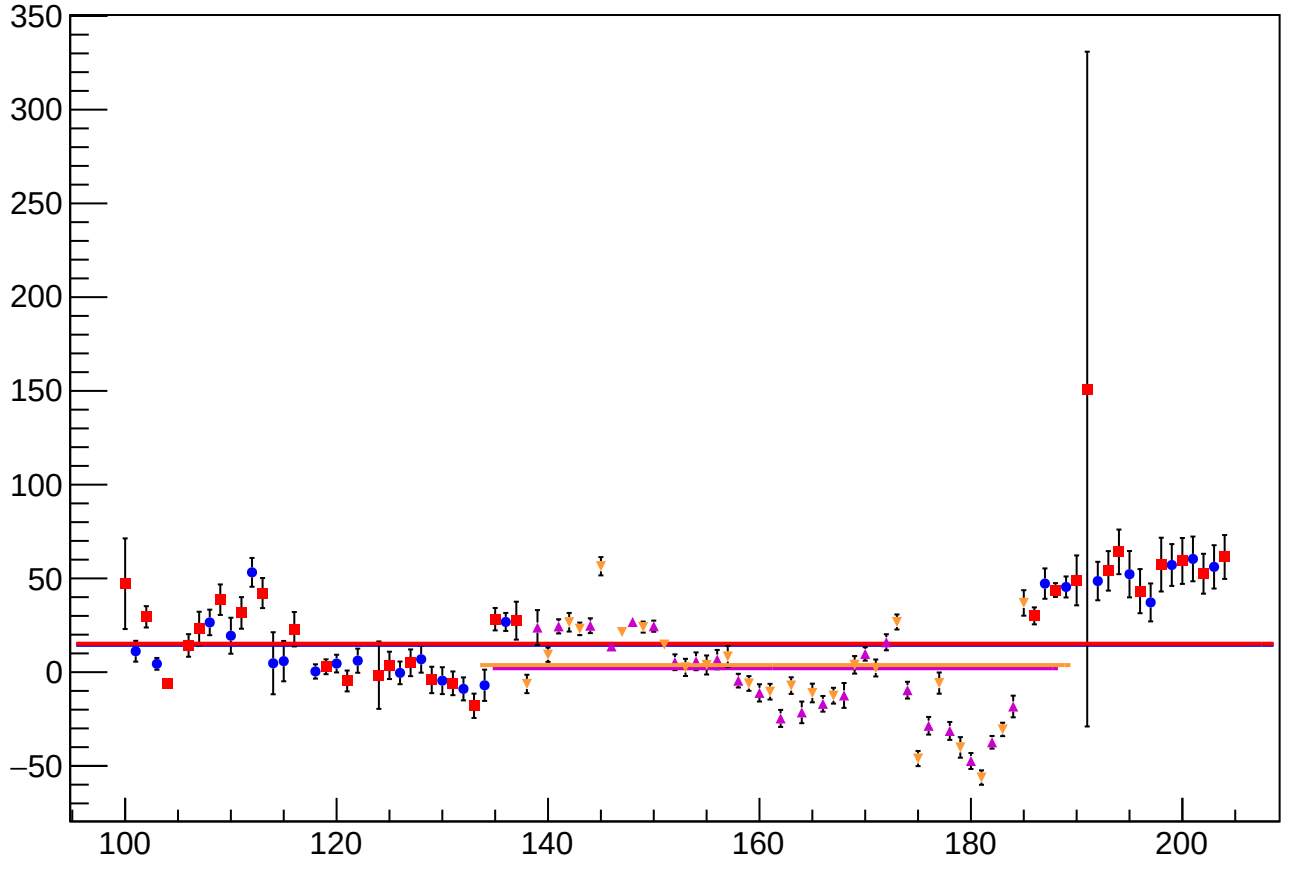
Left: -208.779+/-0.767 χ^2/NDF: 6500.9/47

Right: -214.822+/-0.831 χ^2/NDF: 20991.2/53

In: -208.500+/-0.827 χ^2/NDF:11743.7/46

Out: -214.221+/-0.771 χ^2/NDF:15751.3/54

All: -211.561+/-0.564 χ^2/NDF: 27520.7/101



Right In: 14.576+/-1.314 χ^2/NDF: 216.9/23

Left Out: 3.770+/-0.787 χ^2/NDF:972.1/24

Right Out: 15.180+/-1.176 χ^2/NDF: 353.0/29

Left In: 2.079+/-0.820 χ^2/NDF:770.2/22

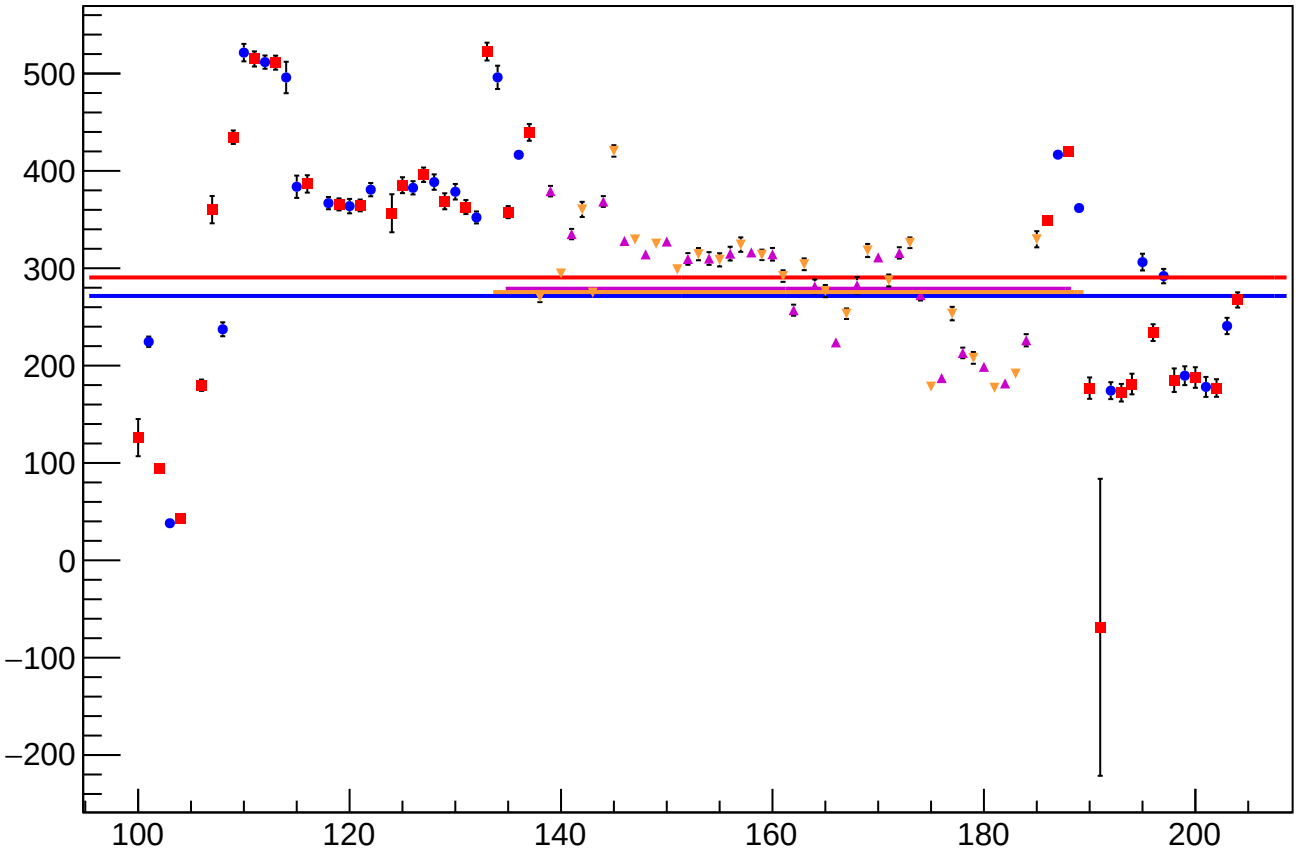
Left: 2.959+/-0.568 χ^2/NDF: 1744.5/47

Right: 14.911+/-0.876 χ^2/NDF: 570.0/53

In: 5.581+/-0.696 χ^2/NDF:1052.2/46

Out: 7.301+/-0.654 χ^2/NDF:1390.1/54

All: 6.494+/-0.477 χ^2/NDF: 2445.6/101



Right In: 271.540+/-1.203 χ^2/NDF: 17594.5/23

Left Out: 275.536+/-1.062 χ^2/NDF:3323.1/24

Right Out: 290.547+/-1.040 χ^2/NDF: 21889.3/29

Left In: 278.989+/-1.089 χ^2/NDF:3114.7/22

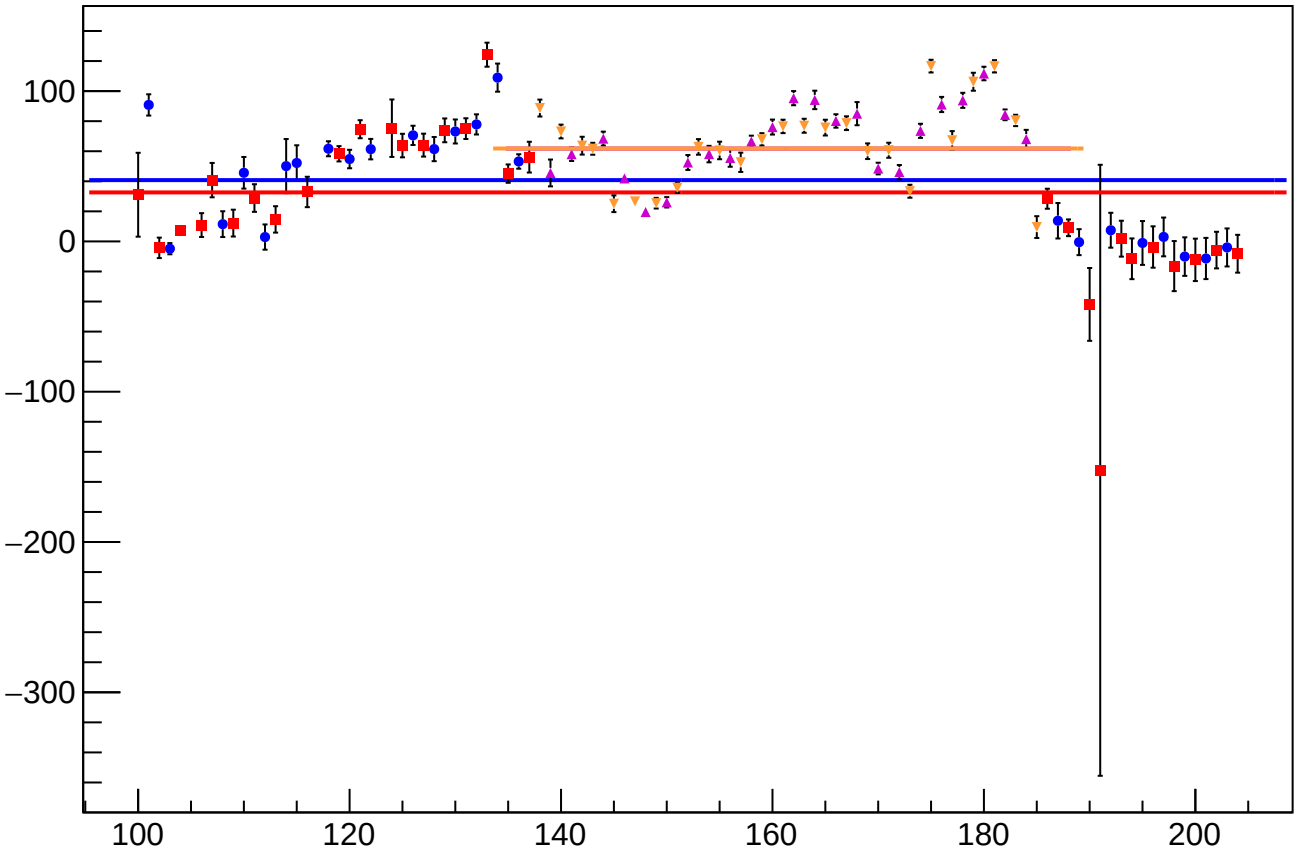
Left: 277.219+/-0.760 χ^2/NDF: 6443.0/47

Right: 282.416+/-0.787 χ^2/NDF: 39626.7/53

In: 275.634+/-0.807 χ^2/NDF:20730.2/46

Out: 283.199+/-0.743 χ^2/NDF:25314.4/54

All: 279.729+/-0.547 χ^2/NDF: 46092.2/101



Right In: 40.779+/-1.551 χ^2/NDF: 495.8/23

Left Out: 61.818+/-0.907 χ^2/NDF:959.5/24

Right Out: 32.602+/-1.431 χ^2/NDF: 525.1/29

Left In: 61.763+/-0.939 χ^2/NDF:736.0/22

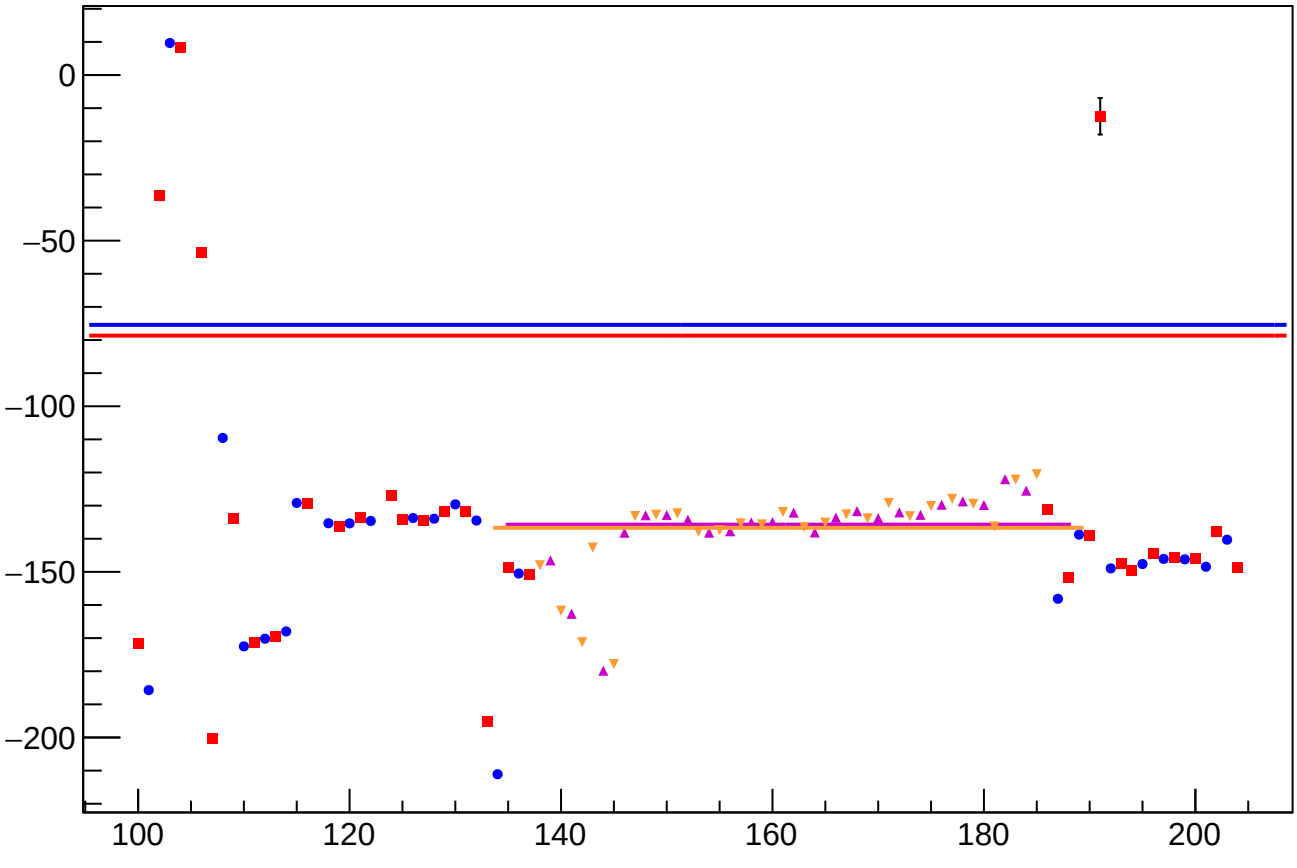
Left: 61.791+/-0.652 χ^2/NDF: 1695.5/47

Right: 36.362+/-1.051 χ^2/NDF: 1035.9/53

In: 56.135+/-0.803 χ^2/NDF:1365.8/46

Out: 53.434+/-0.766 χ^2/NDF:1782.0/54

All: 54.722+/-0.554 χ^2/NDF: 3153.8/101



Right In: -75.428+/-0.065 χ^2/NDF: 1500402.5/23

Left Out: -136.695+/-0.042 χ^2/NDF:79006.9/24

Right Out: -78.671+/-0.065 χ^2/NDF: 1210367.3/29

Left In: -135.745+/-0.043 χ^2/NDF:63681.9/22

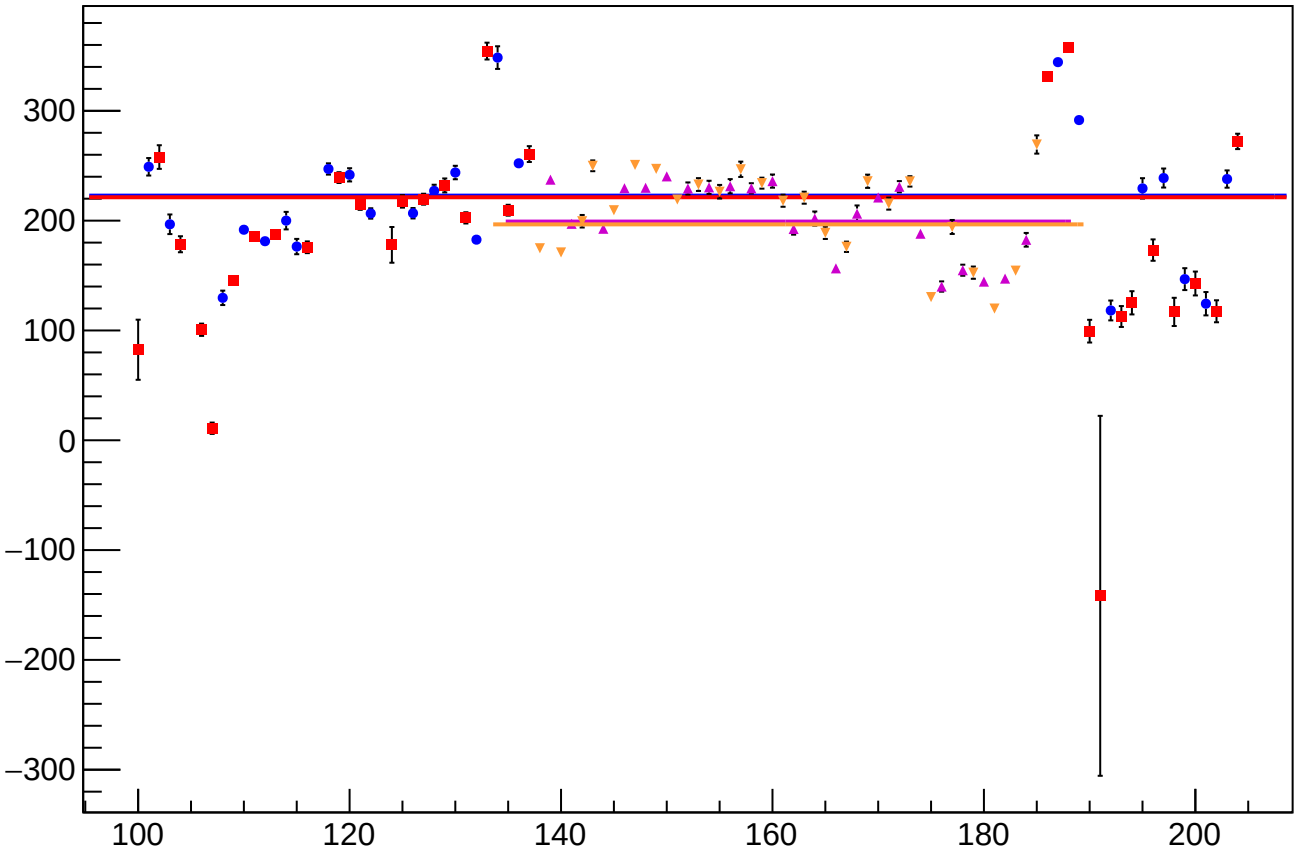
Left: -136.226+/-0.030 χ^2/NDF: 142938.0/47

Right: -77.068+/-0.046 χ^2/NDF: 2712013.5/53

In: -117.652+/-0.036 χ^2/NDF:2159734.9/46

Out: -119.340+/-0.035 χ^2/NDF:1853592.1/54

All: -118.506+/-0.025 χ^2/NDF: 4014451.5/10



Right In: 222.778+/-1.144 χ^2/NDF: 2103.6/23

Left Out: 196.615+/-0.946 χ^2/NDF:2075.5/24

Right Out: 221.304+/-0.988 χ^2/NDF: 8143.3/29

Left In: 199.153+/-0.973 χ^2/NDF:1294.6/22

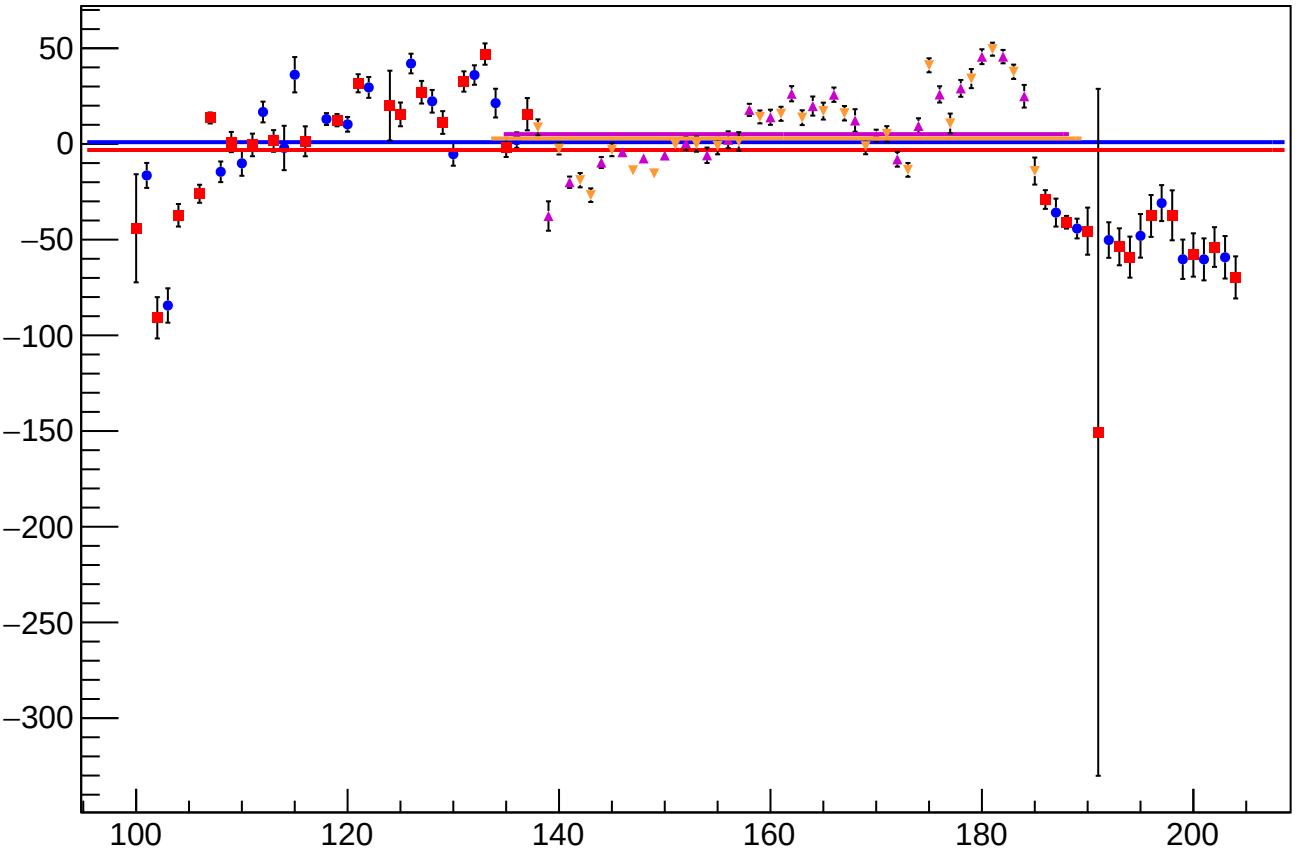
Left: 197.849+/-0.678 χ^2/NDF: 3373.6/47

Right: 221.934+/-0.748 χ^2/NDF: 10247.9/53

In: 209.072+/-0.741 χ^2/NDF:3645.9/46

Out: 208.431+/-0.683 χ^2/NDF:10544.5/54

All: 208.725+/-0.502 χ^2/NDF: 14190.8/101



Right In: 0.929+/-1.216 χ^2/NDF: 571.1/23

Left Out: 2.870+/-0.693 χ^2/NDF:752.8/24

Right Out: -3.165+/-1.075 χ^2/NDF: 738.1/29

Left In: 5.126+/-0.718 χ^2/NDF:628.6/22

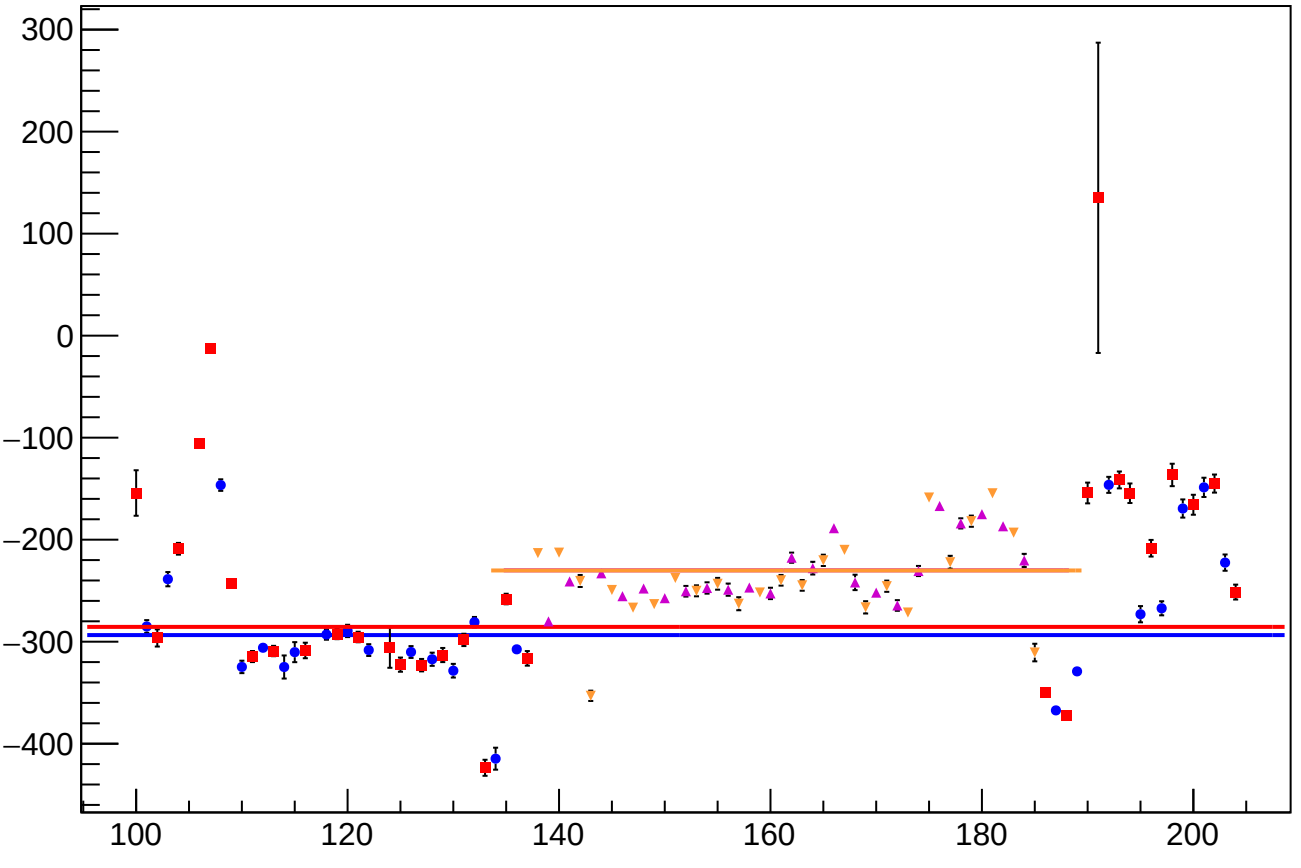
Left: 3.958+/-0.499 χ^2/NDF: 1386.5/47

Right: -1.369+/-0.806 χ^2/NDF: 1315.6/53

In: 4.041+/-0.618 χ^2/NDF:1208.6/46

Out: 1.099+/-0.583 χ^2/NDF:1513.2/54

All: 2.483+/-0.424 χ^2/NDF: 2733.7/101



Right In: -293.519+/-1.196 χ^2/NDF: 2351.0/23

Left Out: -230.182+/-0.939 χ^2/NDF:2181.9/24

Right Out: -285.488+/-0.997 χ^2/NDF: 9906.9/29

Left In: -230.047+/-0.961 χ^2/NDF:1094.0/22

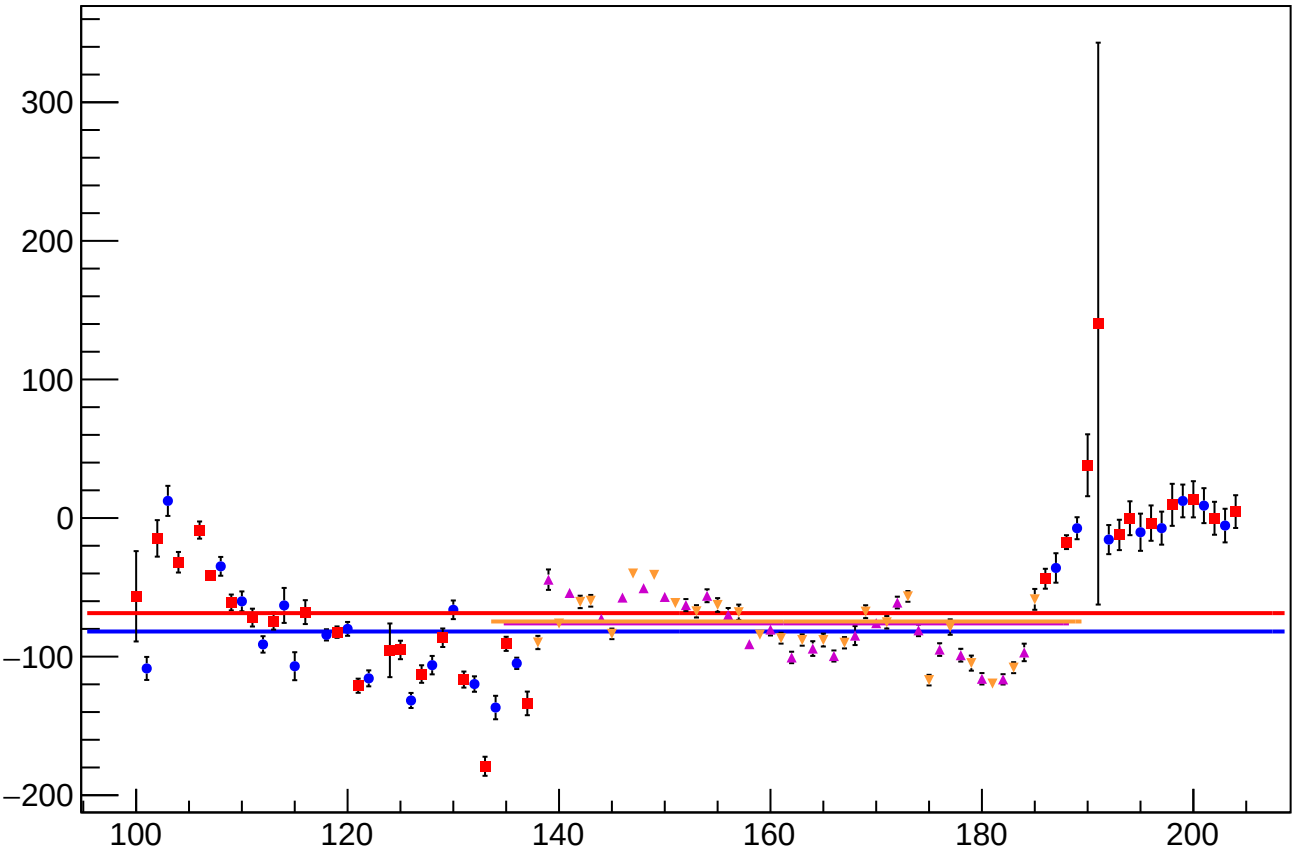
Left: -230.116+/-0.672 χ^2/NDF: 3275.9/47

Right: -288.781+/-0.766 χ^2/NDF: 12284.5/53

In: -254.947+/-0.749 χ^2/NDF:5156.4/46

Out: -256.178+/-0.684 χ^2/NDF:13719.5/54

All: -255.618+/-0.505 χ^2/NDF: 18877.3/101



Right In: -81.874+/-1.427 χ^2/NDF: 780.7/23

Left Out: -74.644+/-0.801 χ^2/NDF:831.0/24

Right Out: -68.615+/-1.291 χ^2/NDF: 1148.4/29

Left In: -76.025+/-0.824 χ^2/NDF:646.0/22

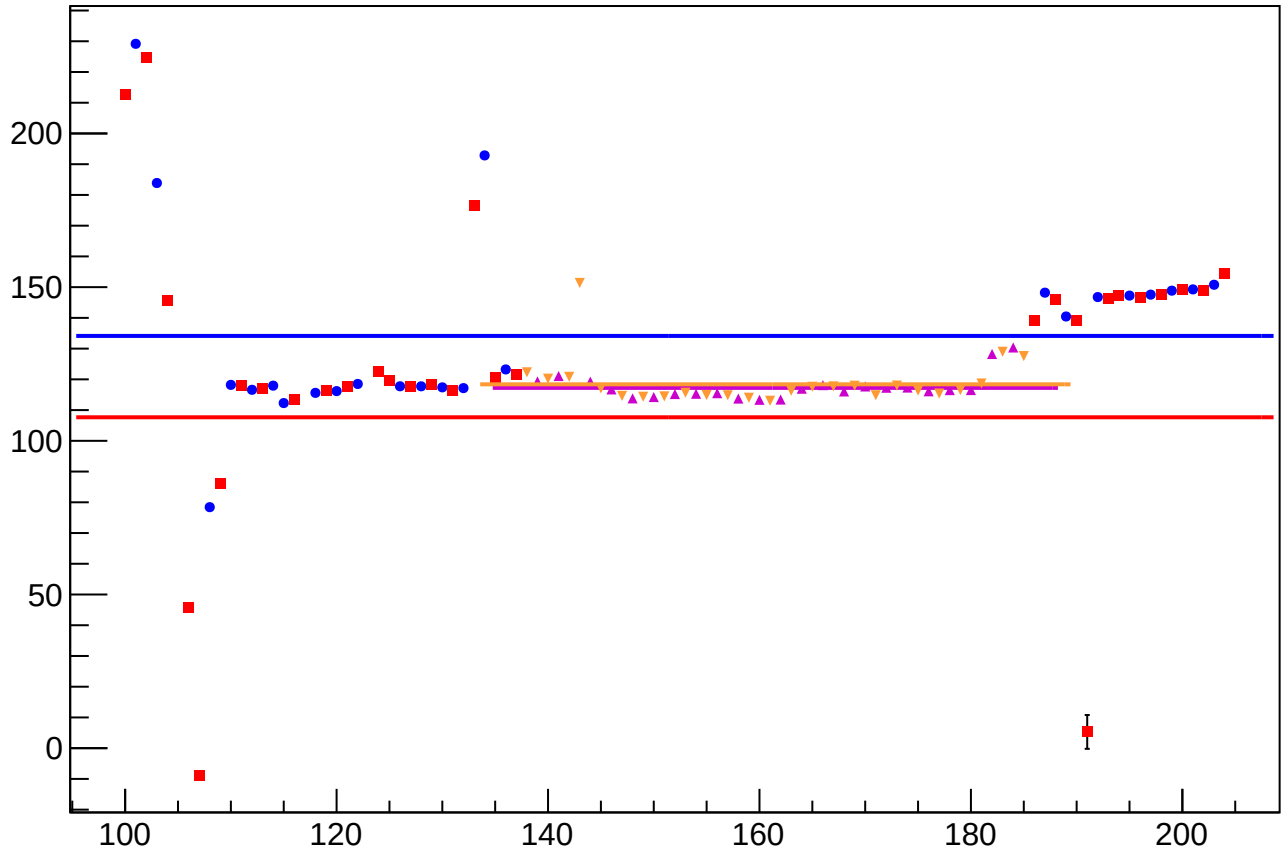
Left: -75.315+/-0.574 χ^2/NDF: 1478.5/47

Right: -74.584+/-0.957 χ^2/NDF: 1976.6/53

In: -77.489+/-0.714 χ^2/NDF:1439.3/46

Out: -72.968+/-0.680 χ^2/NDF:1995.2/54

All: -75.121+/-0.492 χ^2/NDF: 3455.5/101



Right In: 134.131+/-0.075 χ^2/NDF: 196615.0/23

Left Out: 118.382+/-0.037 χ^2/NDF:34938.1/24

Right Out: 107.659+/-0.066 χ^2/NDF: 750783.4/29

Left In: 117.225+/-0.038 χ^2/NDF:10227.9/22

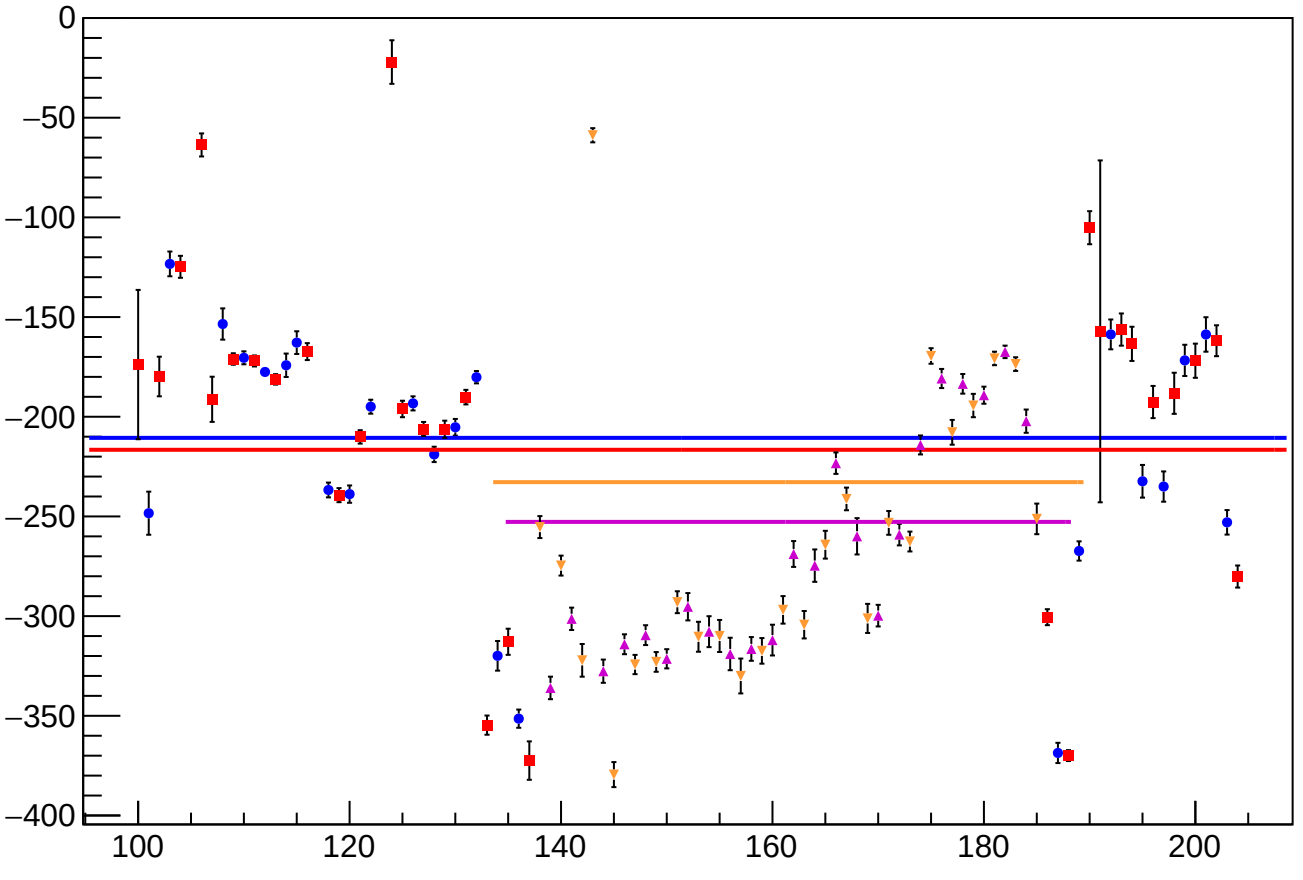
Left: 117.809+/-0.026 χ^2/NDF: 45643.3/47

Right: 119.301+/-0.050 χ^2/NDF: 1017149.6/53

In: 120.620+/-0.034 χ^2/NDF:247427.9/46

Out: 115.817+/-0.033 χ^2/NDF:805519.5/54

All: 118.138+/-0.023 χ^2/NDF: 1063494.4/101



Right In: -210.587+/-0.936 χ^2/NDF: 3390.0/23

Left Out: -232.800+/-1.072 χ^2/NDF:5764.0/24

Right Out: -216.567+/-0.851 χ^2/NDF: 7665.3/29

Left In: -252.738+/-1.131 χ^2/NDF:2913.9/22

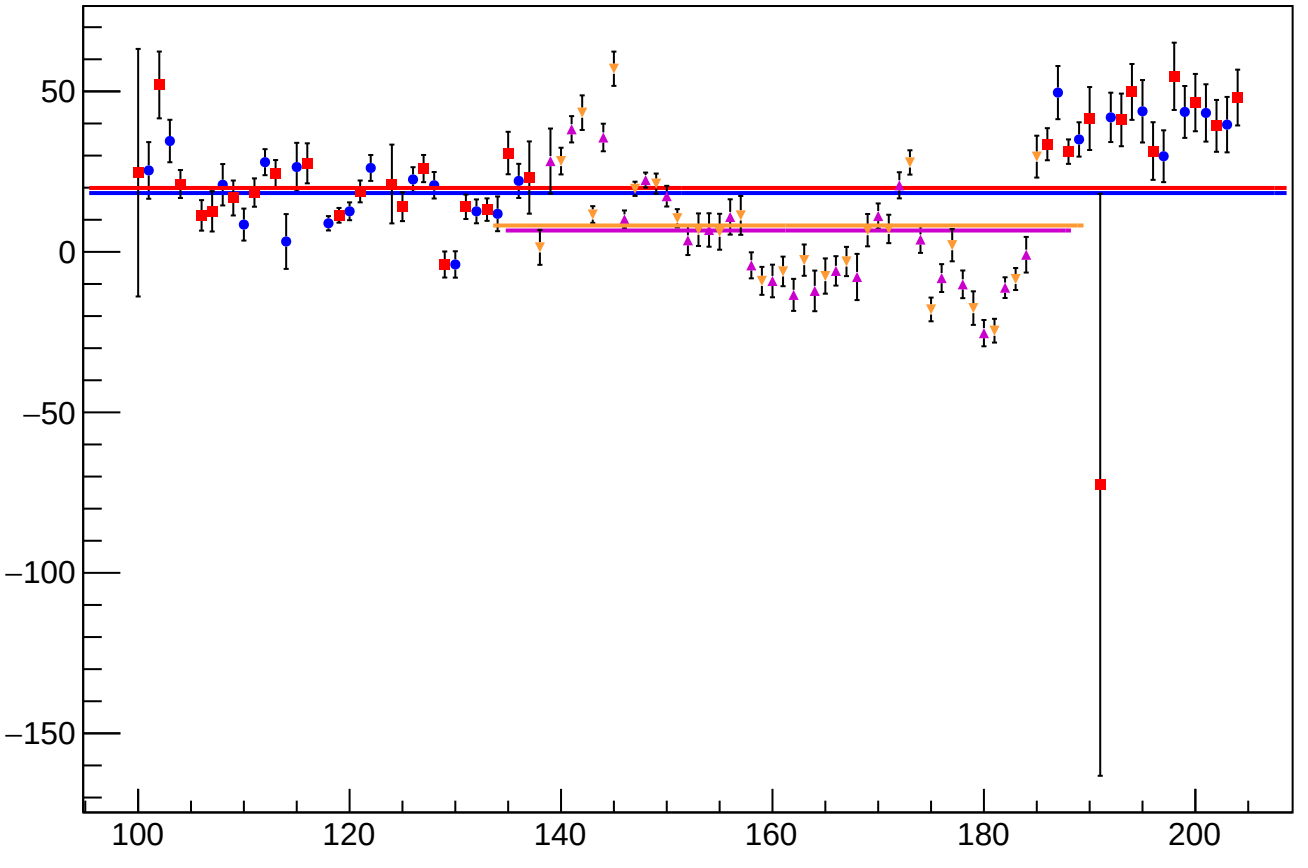
Left: -242.237+/-0.778 χ^2/NDF: 8841.6/47

Right: -213.862+/-0.630 χ^2/NDF: 11077.6/53

In: -227.727+/-0.721 χ^2/NDF:7128.4/46

Out: -222.841+/-0.666 χ^2/NDF:13569.9/54

All: -225.092+/-0.489 χ^2/NDF: 20723.1/101



Right In: 18.325+/-0.978 χ^2/NDF: 147.4/23

Left Out: 8.222+/-0.803 χ^2/NDF:457.9/24

Right Out: 19.914+/-0.936 χ^2/NDF: 156.8/29

Left In: 6.657+/-0.858 χ^2/NDF:354.8/22

Left: 7.492+/-0.586 χ^2/NDF: 814.5/47

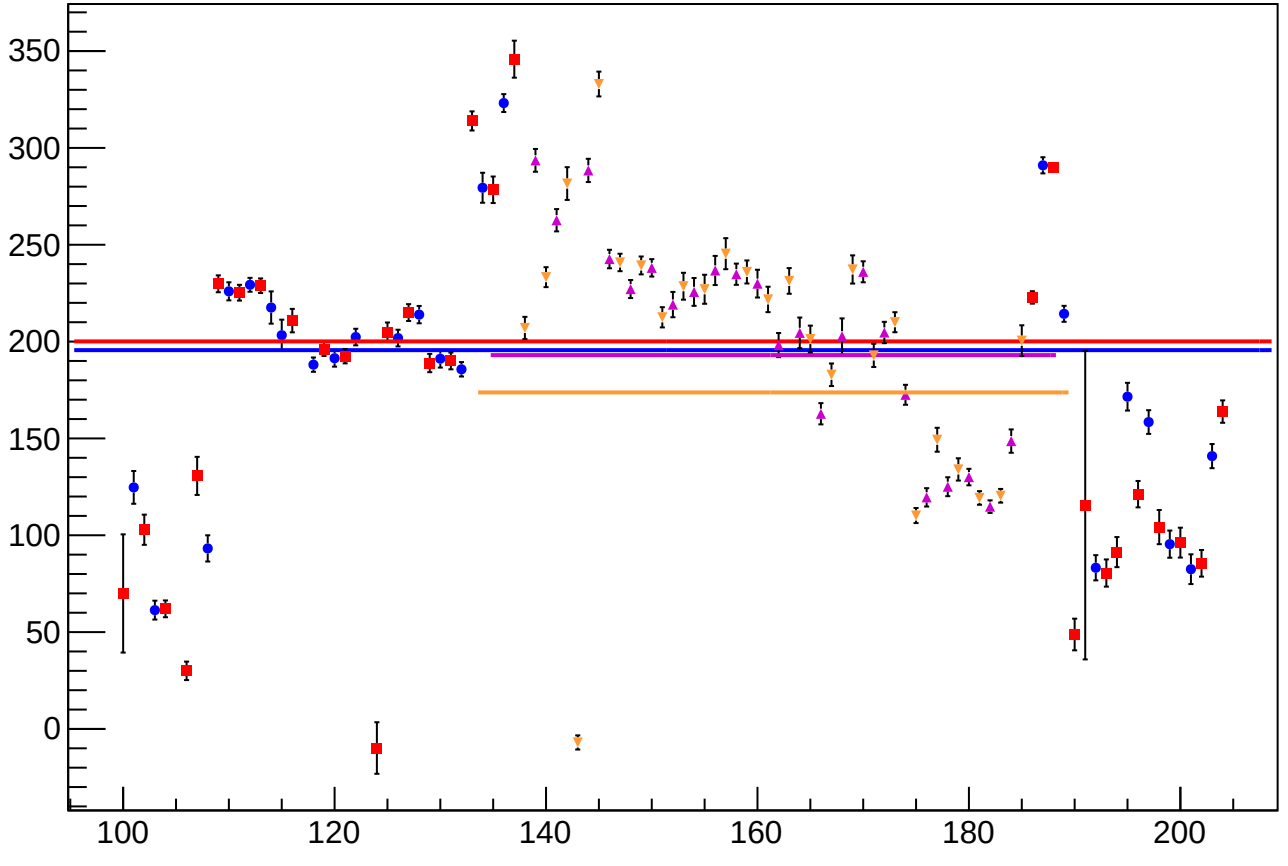
Right: 19.155+/-0.677 χ^2/NDF: 305.5/53

In: 11.731+/-0.645 χ^2/NDF:582.6/46

Out: 13.176+/-0.610 χ^2/NDF:704.5/54

All: 12.495+/-0.443 χ^2/NDF: 1289.7/101

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 195.581+/-1.027 χ^2/NDF: 3501.4/23

Left Out: 173.752+/-1.069 χ^2/NDF:5260.7/24

Right Out: 200.095+/-0.908 χ^2/NDF: 7111.3/29

Left In: 193.026+/-1.122 χ^2/NDF:2512.0/22

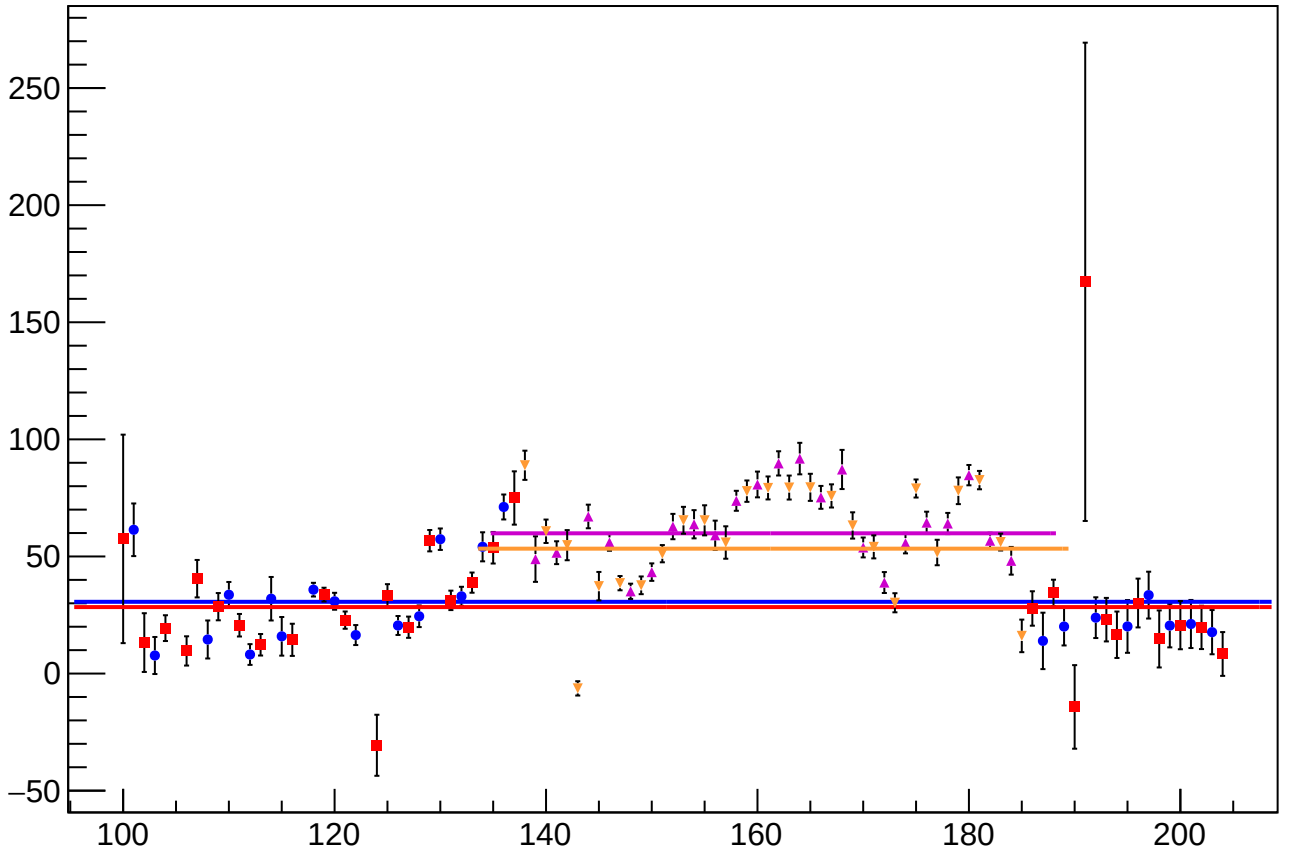
Left: 182.920+/-0.774 χ^2/NDF: 7927.5/47

Right: 198.114+/-0.680 χ^2/NDF: 10623.5/53

In: 194.417+/-0.757 χ^2/NDF:6016.2/46

Out: 189.049+/-0.692 χ^2/NDF:12724.9/54

All: 191.491+/-0.511 χ^2/NDF: 18768.5/101



Right In: 30.637+/-1.146 χ^2/NDF: 187.0/23

Left Out: 53.331+/-0.922 χ^2/NDF:778.9/24

Right Out: 28.383+/-1.103 χ^2/NDF: 159.2/29

Left In: 59.887+/-0.977 χ^2/NDF:251.2/22

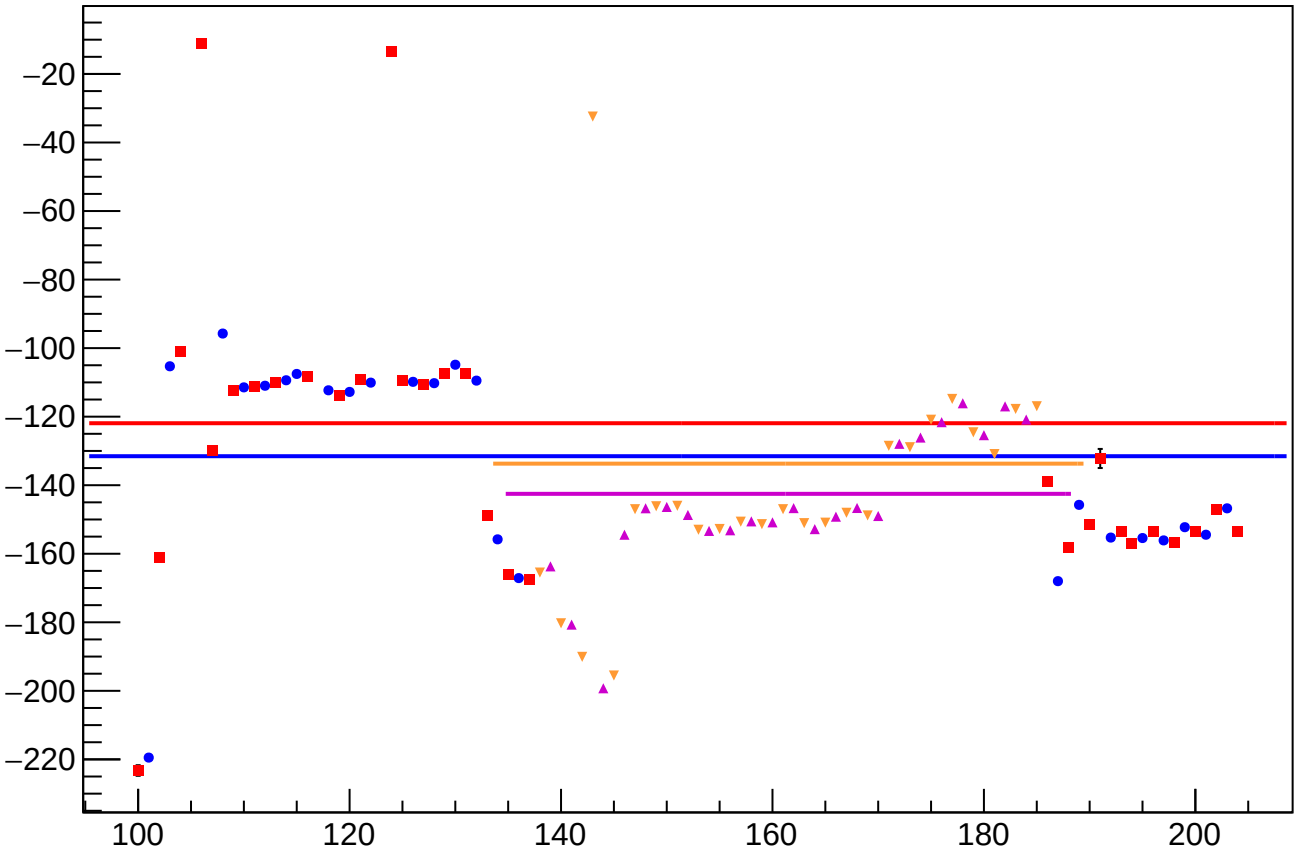
Left: 56.419+/-0.670 χ^2/NDF: 1053.9/47

Right: 29.467+/-0.795 χ^2/NDF: 348.2/53

In: 47.579+/-0.743 χ^2/NDF:815.4/46

Out: 43.073+/-0.707 χ^2/NDF:1239.3/54

All: 45.214+/-0.512 χ^2/NDF: 2074.1/101



Right In: -131.536+/-0.065 χ^2/NDF: 172916.8/23

Left Out: -133.709+/-0.043 χ^2/NDF:675925.6/24

Right Out: -121.913+/-0.061 χ^2/NDF: 495524.4/29

Left In: -142.518+/-0.044 χ^2/NDF:178481.1/22

Left: -137.954+/-0.031 χ^2/NDF: 874788.8/47

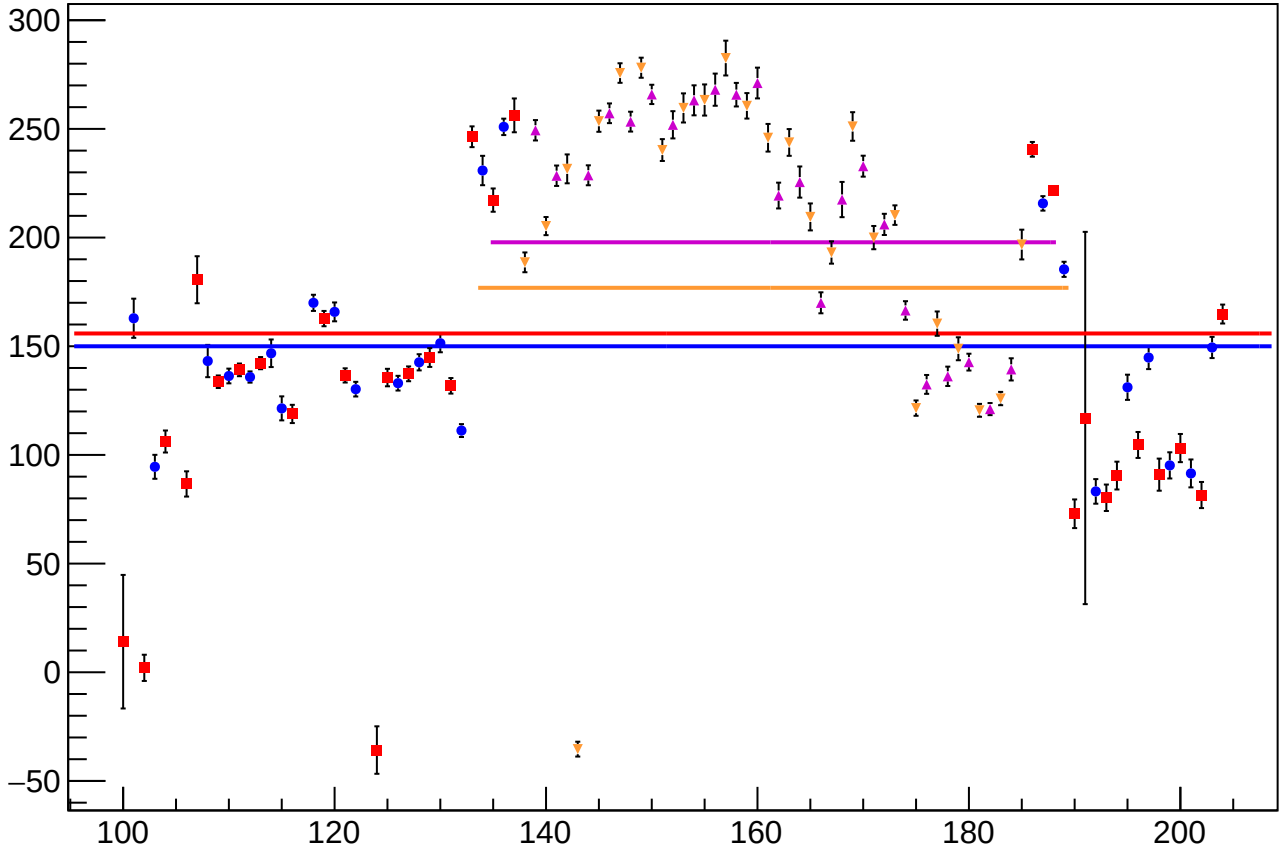
Right: -126.375+/-0.044 χ^2/NDF: 680134.3/53

In: -139.035+/-0.037 χ^2/NDF:370785.1/46

Out: -129.780+/-0.035 χ^2/NDF:1196716.8/54

All: -134.185+/-0.025 χ^2/NDF: 1600828.2/10

reg_asym_atr1l2_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 149.981+/-0.859 χ^2/NDF: 2120.5/23

Left Out: 176.884+/-0.958 χ^2/NDF:7424.8/24

Right Out: 155.874+/-0.764 χ^2/NDF: 4998.8/29

Left In: 197.829+/-1.006 χ^2/NDF:2968.0/22

Left: 186.838+/-0.694 χ^2/NDF: 10620.2/47

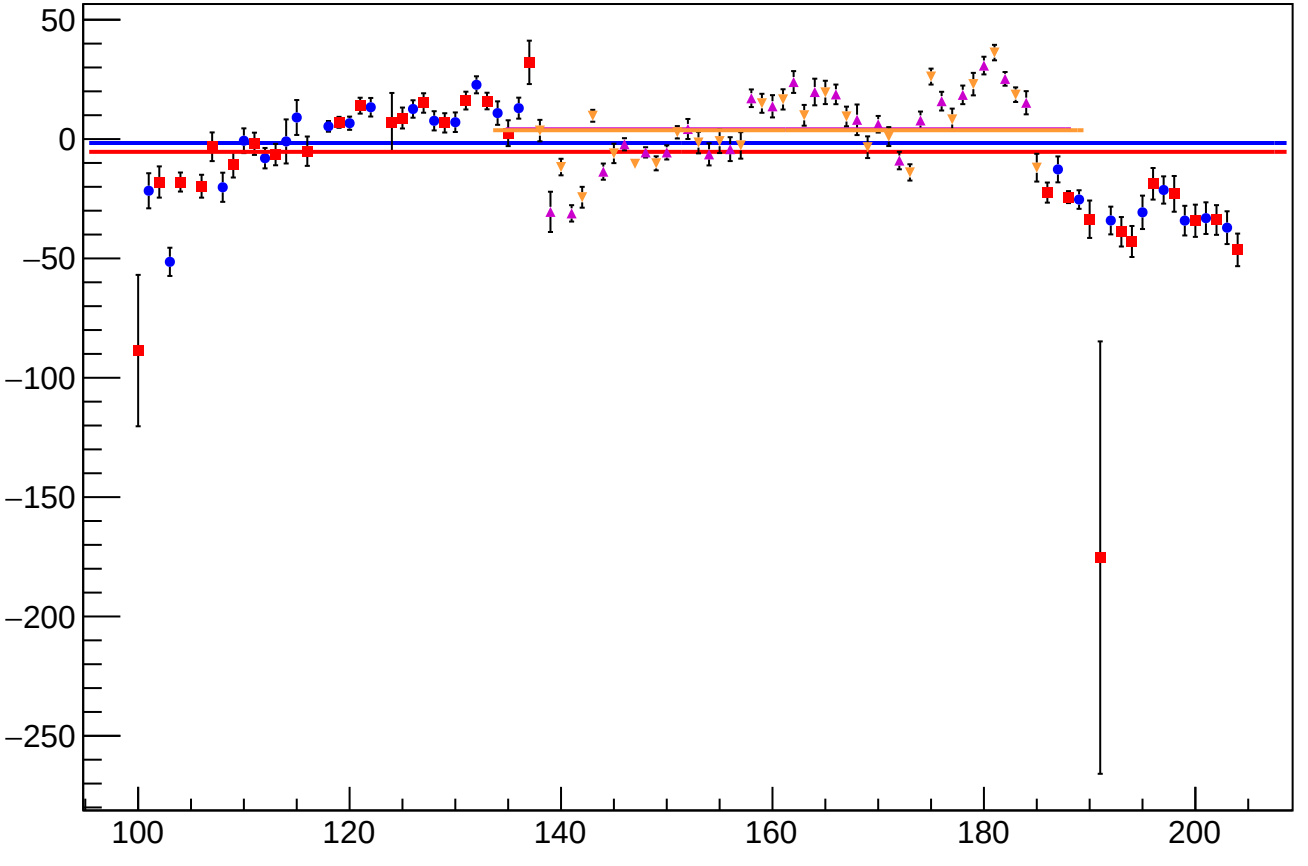
Right: 153.269+/-0.571 χ^2/NDF: 7145.6/53

In: 170.144+/-0.653 χ^2/NDF:6397.0/46

Out: 164.051+/-0.597 χ^2/NDF:12717.6/54

All: 166.826+/-0.441 χ^2/NDF: 19162.0/101

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -1.642+/-0.909 χ^2/NDF: 392.8/23

Left Out: 3.708+/-0.723 χ^2/NDF:400.9/24

Right Out: -5.349+/-0.855 χ^2/NDF: 467.9/29

Left In: 4.102+/-0.769 χ^2/NDF:398.9/22

Left: 3.893+/-0.527 χ^2/NDF: 800.0/47

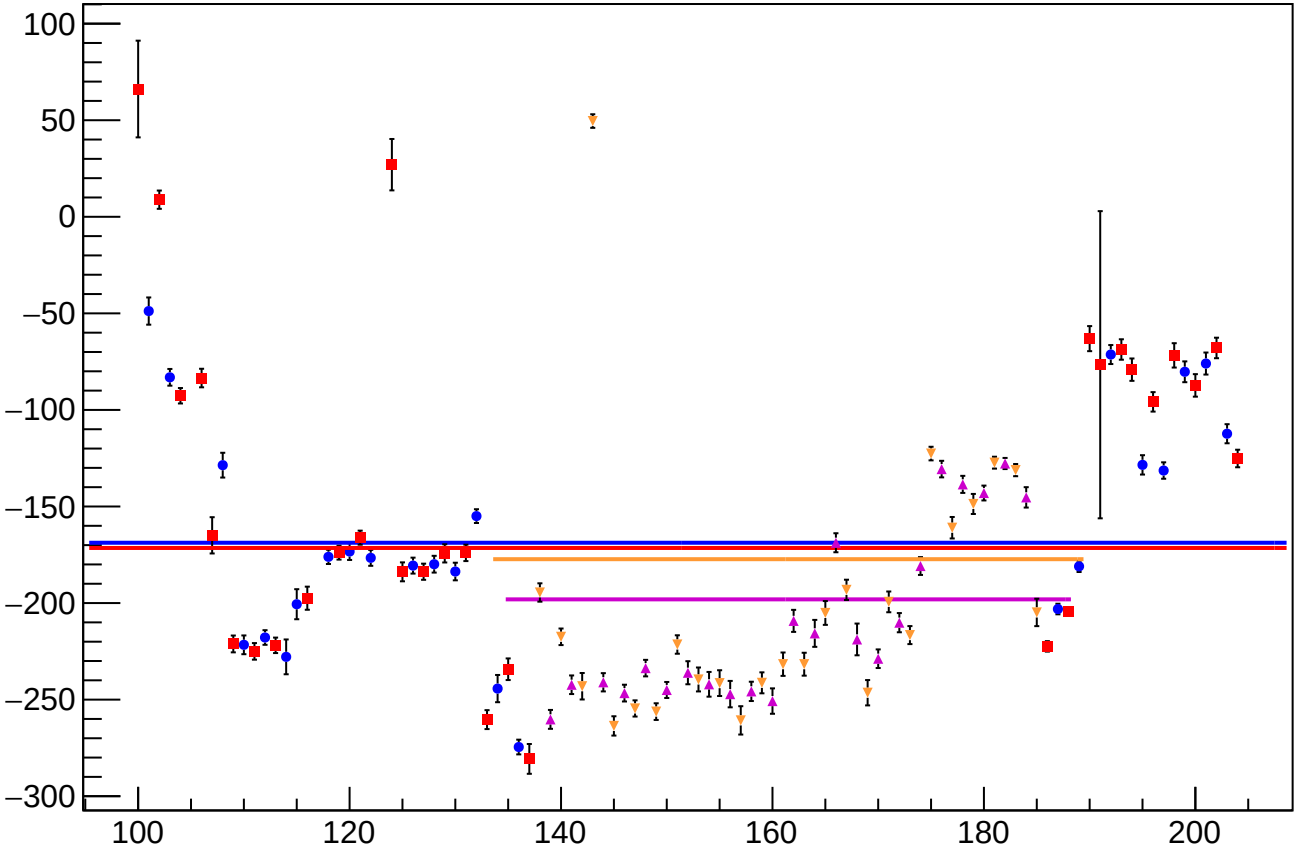
Right: -3.609+/-0.623 χ^2/NDF: 869.6/53

In: 1.707+/-0.587 χ^2/NDF:815.1/46

Out: -0.072+/-0.552 χ^2/NDF:934.3/54

All: 0.763+/-0.402 χ^2/NDF: 1754.2/101

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -168.768+/-0.896 χ^2/NDF: 3375.3/23

Left Out: -177.283+/-0.956 χ^2/NDF:7040.0/24

Right Out: -171.470+/-0.767 χ^2/NDF: 6595.1/29

Left In: -198.088+/-1.000 χ^2/NDF:2386.2/22

Left: -187.218+/-0.691 χ^2/NDF: 9652.4/47

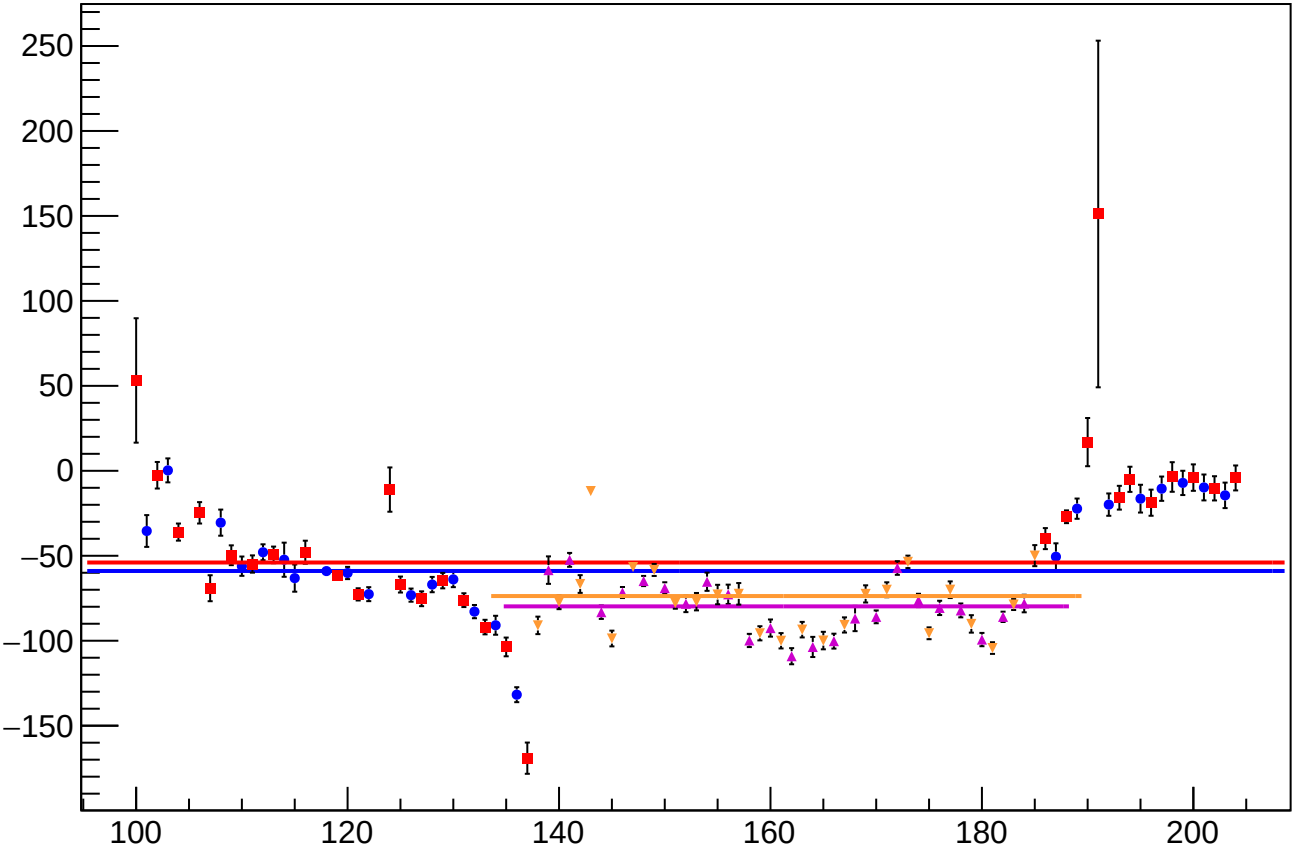
Right: -170.328+/-0.583 χ^2/NDF: 9975.6/53

In: -181.827+/-0.667 χ^2/NDF:6238.3/46

Out: -173.746+/-0.598 χ^2/NDF:13657.6/54

All: -177.346+/-0.445 χ^2/NDF: 19977.1/101

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -58.950+/-1.070 χ^2/NDF: 746.1/23

Left Out: -73.706+/-0.829 χ^2/NDF:839.6/24

Right Out: -53.963+/-1.020 χ^2/NDF: 858.2/29

Left In: -79.777+/-0.874 χ^2/NDF:277.1/22

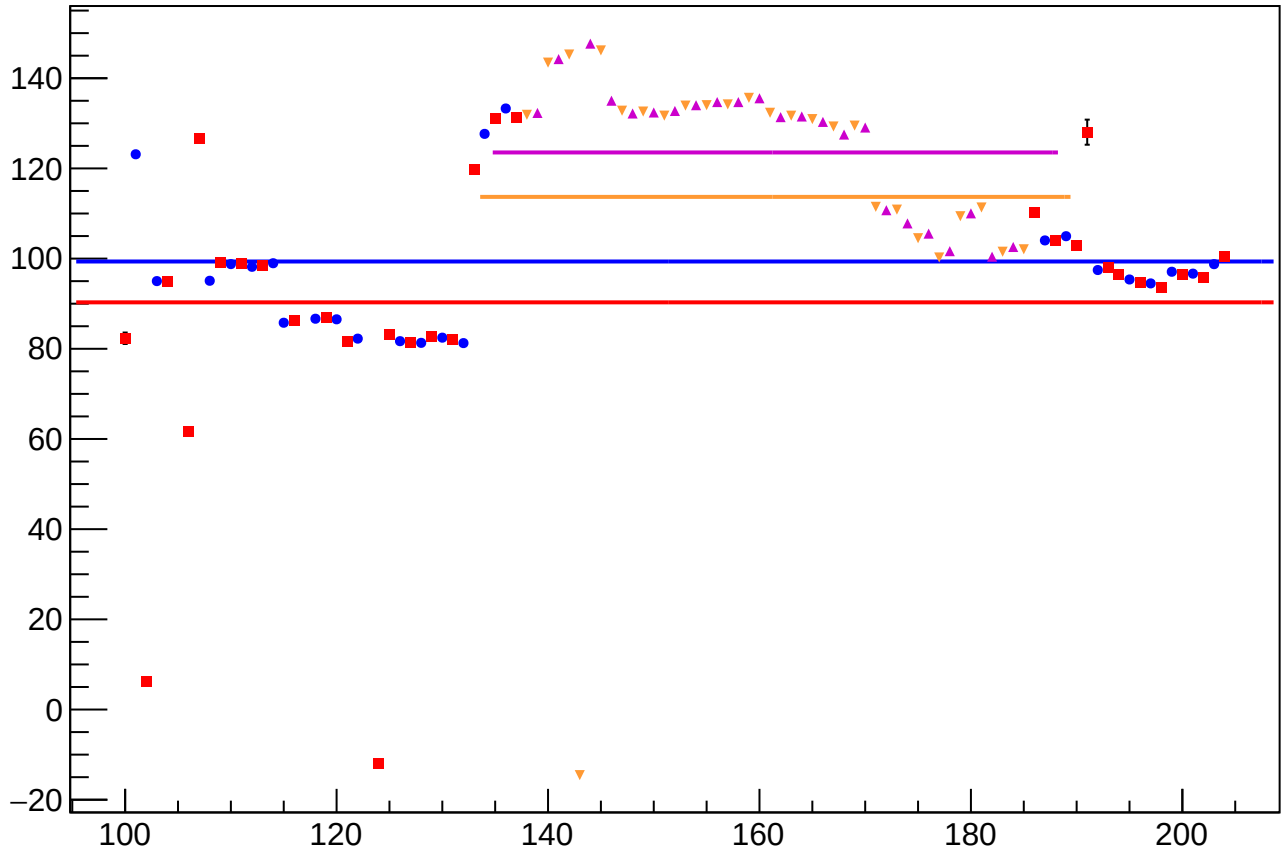
Left: -76.581+/-0.601 χ^2/NDF: 1142.1/47

Right: -56.338+/-0.738 χ^2/NDF: 1615.8/53

In: -71.443+/-0.677 χ^2/NDF:1250.5/46

Out: -65.858+/-0.643 χ^2/NDF:1923.4/54

All: -68.509+/-0.466 χ^2/NDF: 3209.6/101



Right In: 99.359+/-0.056 χ^2/NDF: 69256.5/23

Left Out: 113.687+/-0.038 χ^2/NDF:963156.9/24

Right Out: 90.297+/-0.052 χ^2/NDF: 284541.1/29

Left In: 123.538+/-0.040 χ^2/NDF:134613.3/22

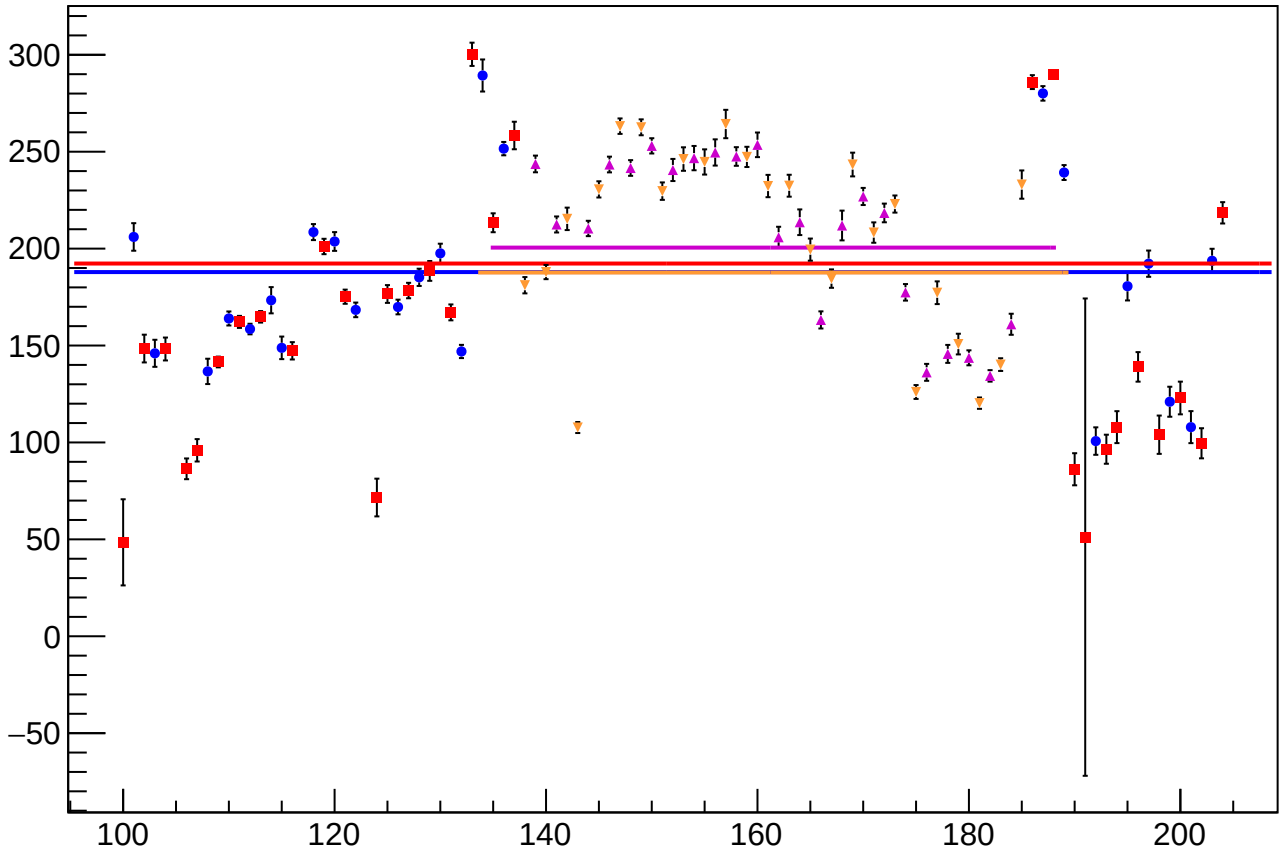
Left: 118.454+/-0.028 χ^2/NDF: 1129684.8/47

Right: 94.451+/-0.038 χ^2/NDF: 367829.6/53

In: 115.529+/-0.032 χ^2/NDF:327252.9/46

Out: 105.402+/-0.031 χ^2/NDF:1379399.4/54

All: 110.214+/-0.022 χ^2/NDF: 1757938.7/101



Right In: 187.898+/-0.954 χ^2/NDF: 2143.3/23

Left Out: 187.681+/-0.898 χ^2/NDF:3528.3/24

Right Out: 192.306+/-0.836 χ^2/NDF: 5995.4/29

Left In: 200.521+/-0.955 χ^2/NDF:2111.4/22

Left: 193.703+/-0.654 χ^2/NDF: 5735.7/47

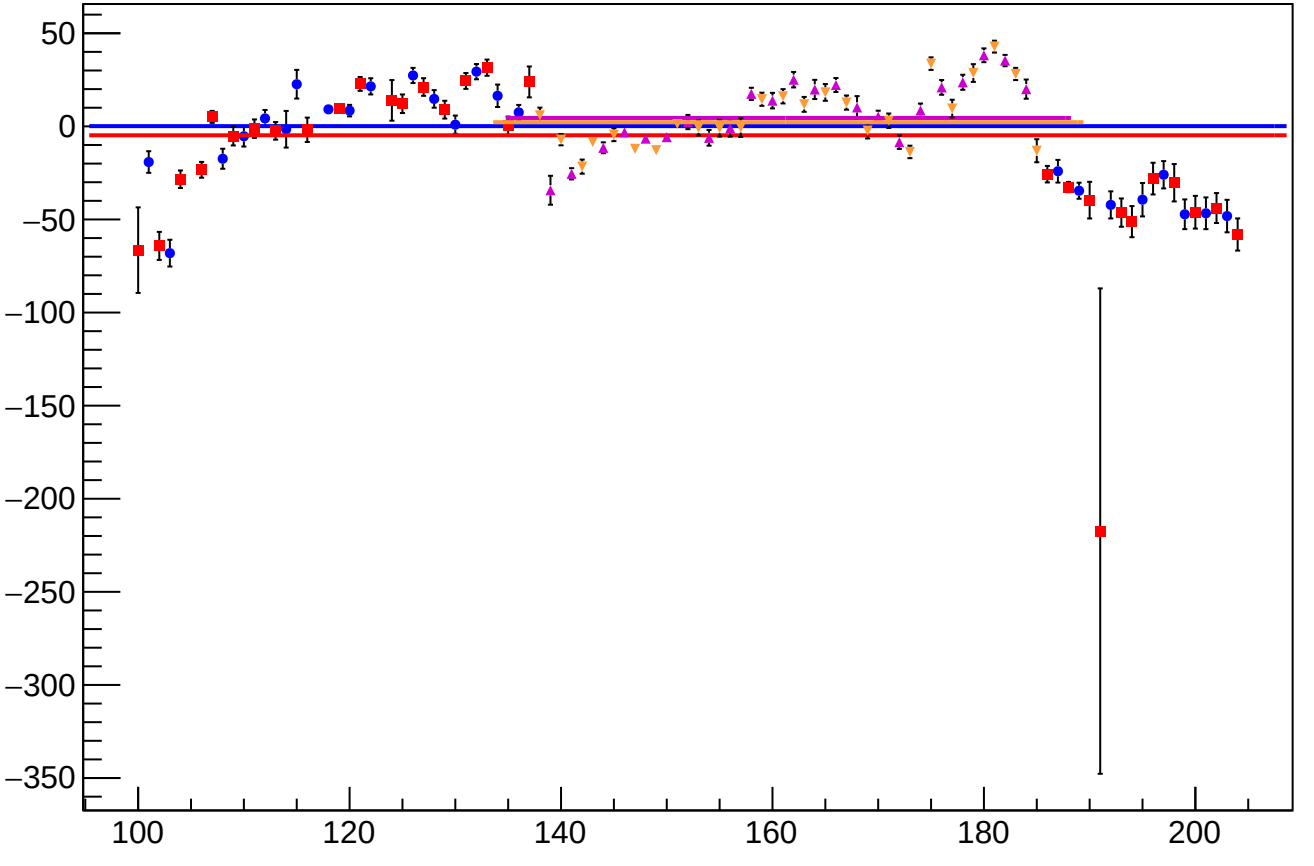
Right: 190.392+/-0.629 χ^2/NDF: 8150.8/53

In: 194.203+/-0.675 χ^2/NDF:4342.2/46

Out: 190.158+/-0.612 χ^2/NDF:9537.9/54

All: 191.982+/-0.453 χ^2/NDF: 13899.8/101

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.120+/-1.010 χ^2/NDF: 524.5/23

Left Out: 2.245+/-0.665 χ^2/NDF:600.9/24

Right Out: -4.791+/-0.922 χ^2/NDF: 689.4/29

Left In: 4.513+/-0.714 χ^2/NDF:547.1/22

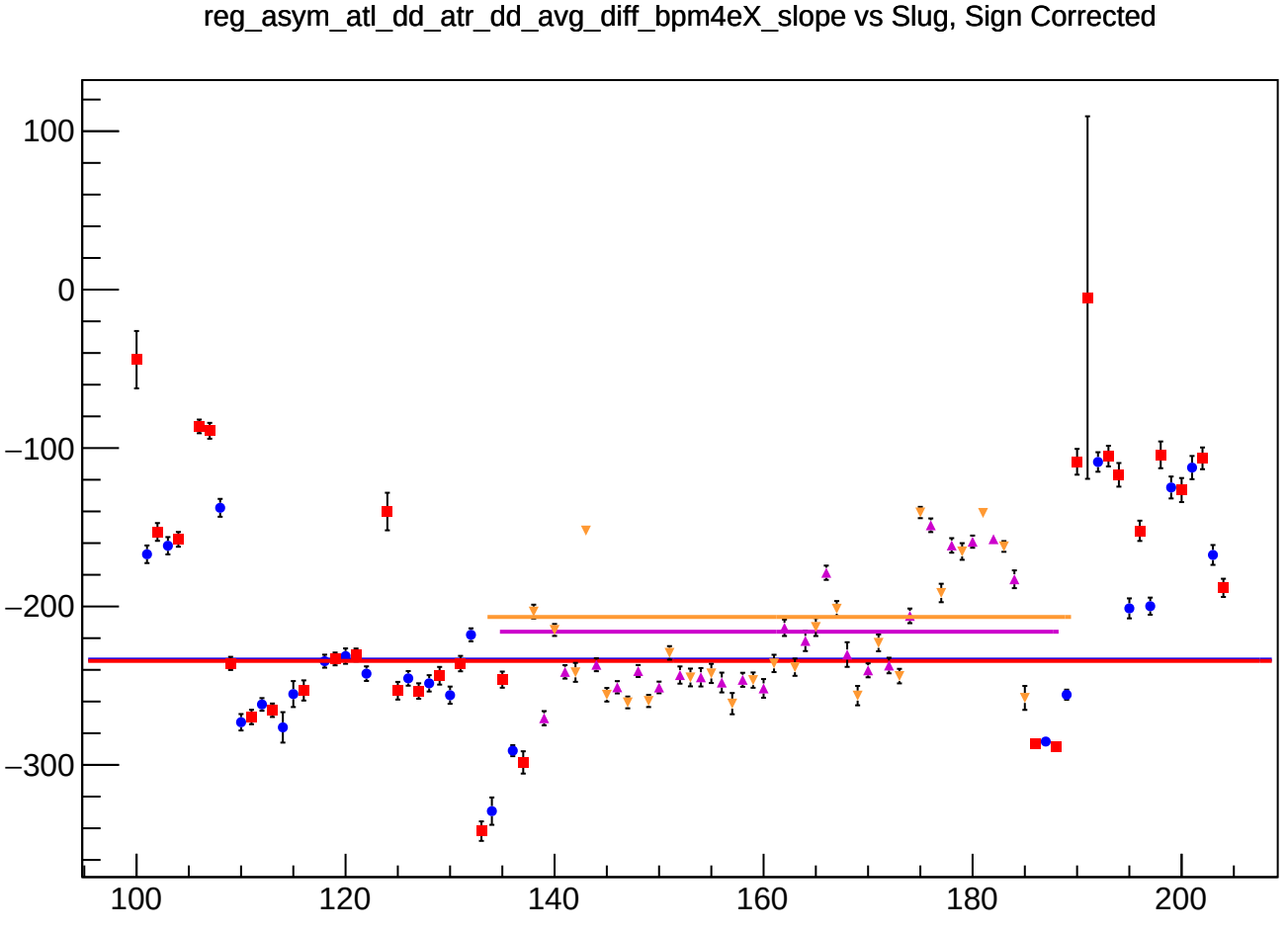
Left: 3.298+/-0.486 χ^2/NDF: 1153.4/47

Right: -2.559+/-0.681 χ^2/NDF: 1226.8/53

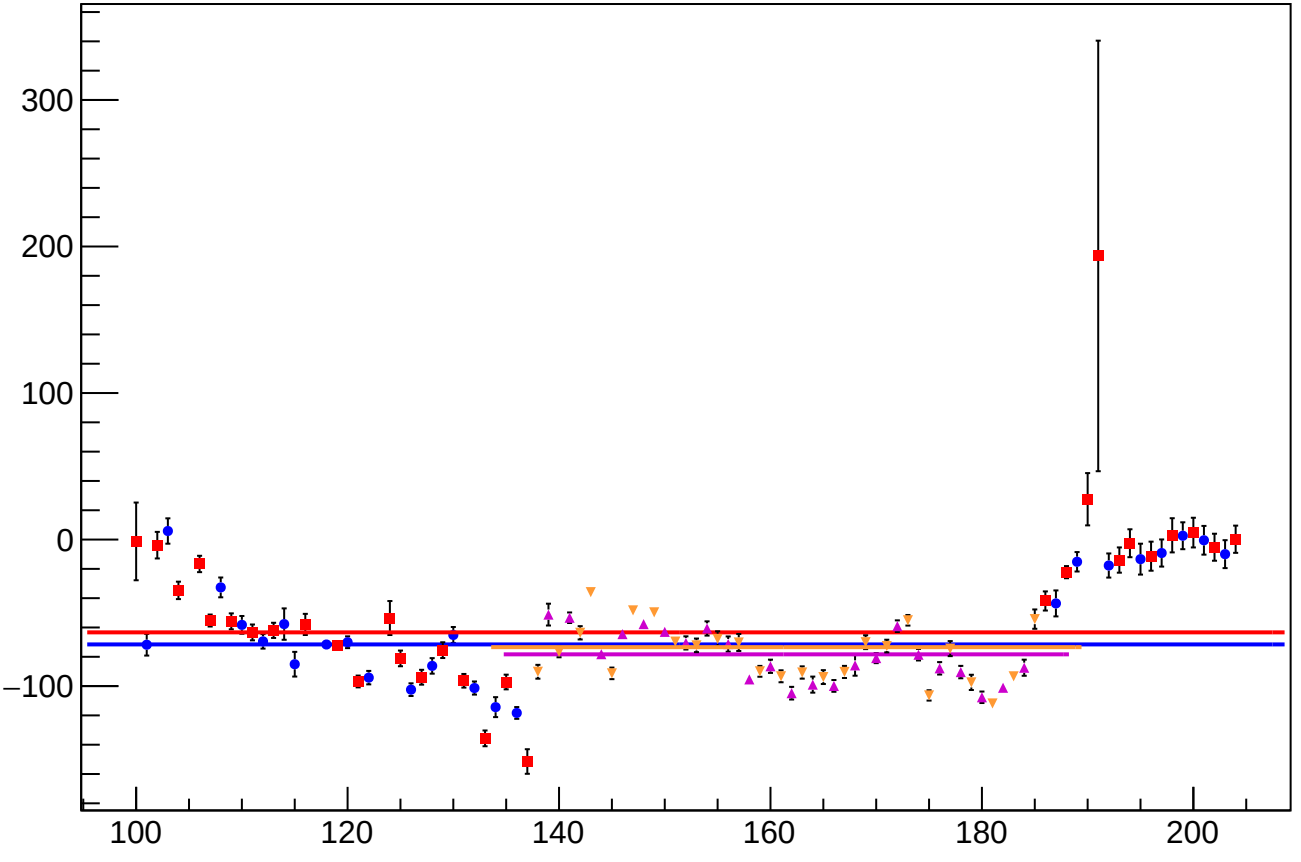
In: 3.049+/-0.583 χ^2/NDF:1084.2/46

Out: -0.160+/-0.539 χ^2/NDF:1328.6/54

All: 1.319+/-0.396 χ^2/NDF: 2429.1/101


reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected
100
0
−100
−200
−300
100
120
140
160
180
200
Right In: -233.533+/-1.001 χ²/NDF: 2620.8/23
Left Out: -206.617+/-0.895 χ²/NDF:2467.8/24
Right Out: -234.356+/-0.844 χ²/NDF: 6621.8/29
Left In: -215.938+/-0.946 χ²/NDF:1711.9/22
Left: -211.017+/-0.650 χ²/NDF: 4230.9/47
Right: -234.014+/-0.645 χ²/NDF: 9242.9/53
In: -224.242+/-0.688 χ²/NDF:4495.9/46
Out: -221.301+/-0.614 χ²/NDF:9598.4/54
All: -222.606+/-0.458 χ²/NDF: 14104.5/101

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -71.558+/-1.188 χ^2/NDF: 786.2/23

Left Out: -73.426+/-0.767 χ^2/NDF:836.6/24

Right Out: -63.333+/-1.104 χ^2/NDF: 1067.2/29

Left In: -78.329+/-0.817 χ^2/NDF:443.2/22

Left: -75.722+/-0.559 χ^2/NDF: 1298.9/47

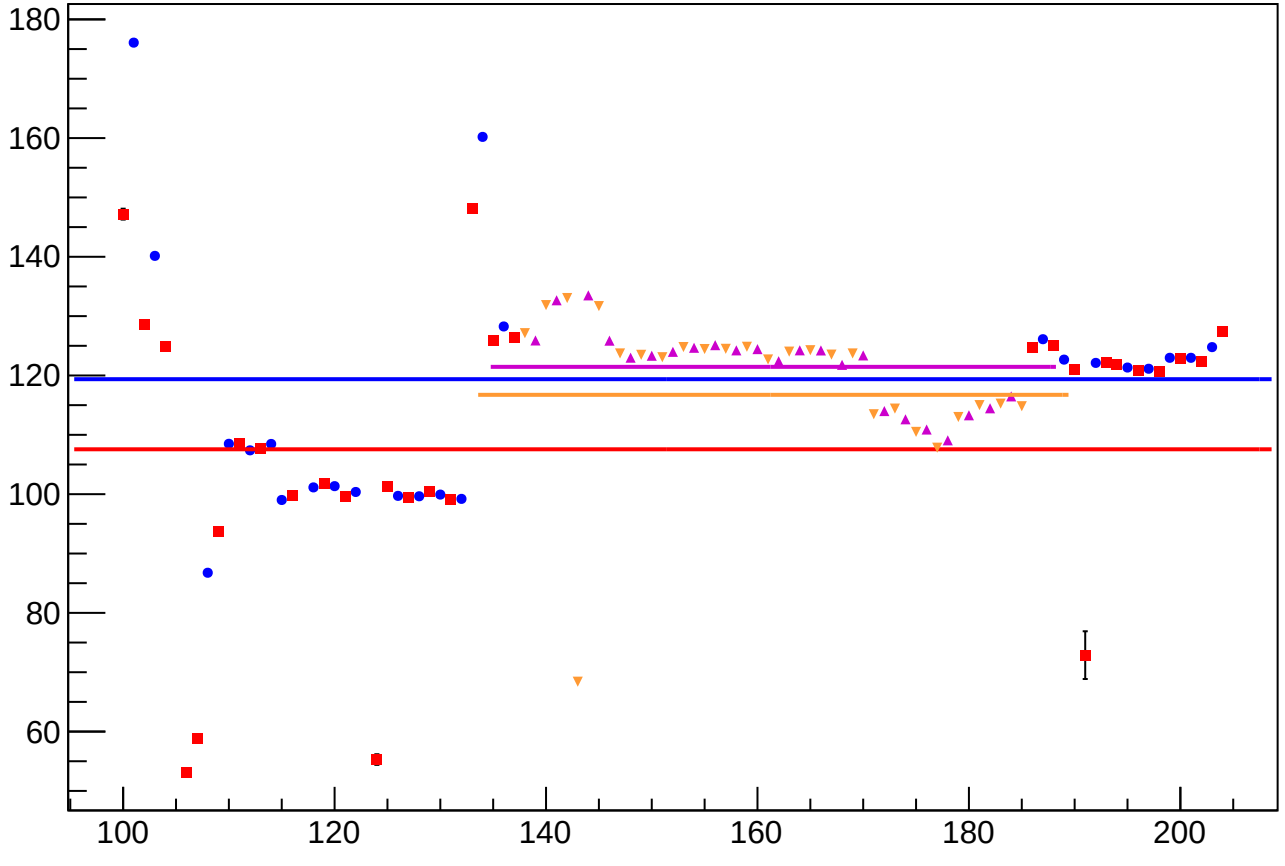
Right: -67.142+/-0.809 χ^2/NDF: 1879.1/53

In: -76.155+/-0.673 χ^2/NDF:1251.5/46

Out: -70.140+/-0.630 χ^2/NDF:1960.1/54

All: -72.946+/-0.460 χ^2/NDF: 3254.2/101

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 119.375+/-0.064 χ^2/NDF: 96938.7/23

Left Out: 116.740+/-0.036 χ^2/NDF:203650.9/24

Right Out: 107.563+/-0.057 χ^2/NDF: 204179.3/29

Left In: 121.455+/-0.037 χ^2/NDF:28796.4/22

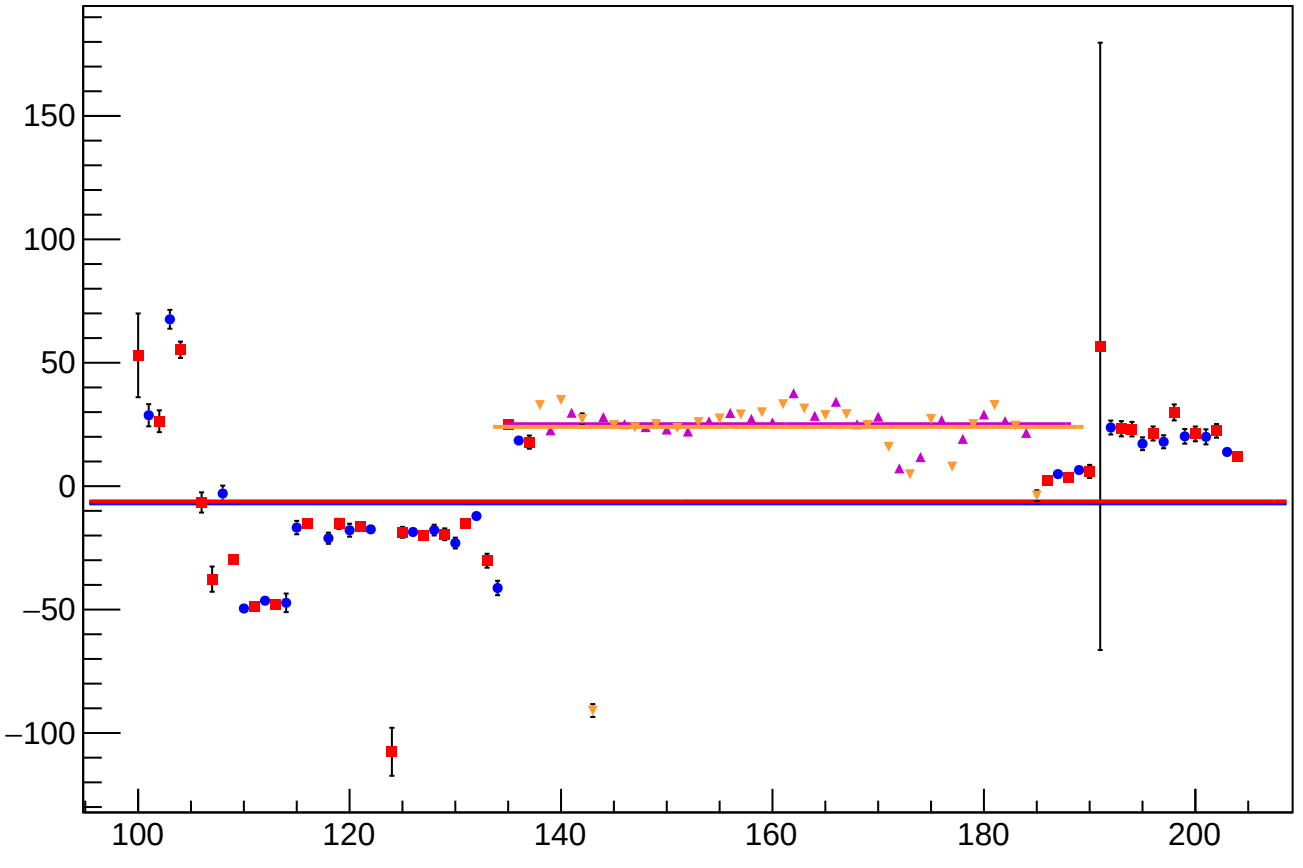
Left: 119.004+/-0.026 χ^2/NDF: 240766.9/47

Right: 112.821+/-0.042 χ^2/NDF: 320225.7/53

In: 120.924+/-0.032 χ^2/NDF:126530.2/46

Out: 114.143+/-0.030 χ^2/NDF:426407.7/54

All: 117.335+/-0.022 χ^2/NDF: 576465.3/101



Right In: -6.957+/-0.452 χ^2/NDF: 3024.0/23

Left Out: 24.025+/-0.282 χ^2/NDF:2802.2/24

Right Out: -6.182+/-0.401 χ^2/NDF: 3463.7/29

Left In: 25.089+/-0.287 χ^2/NDF:495.3/22

Left: 24.547+/-0.201 χ^2/NDF: 3304.5/47

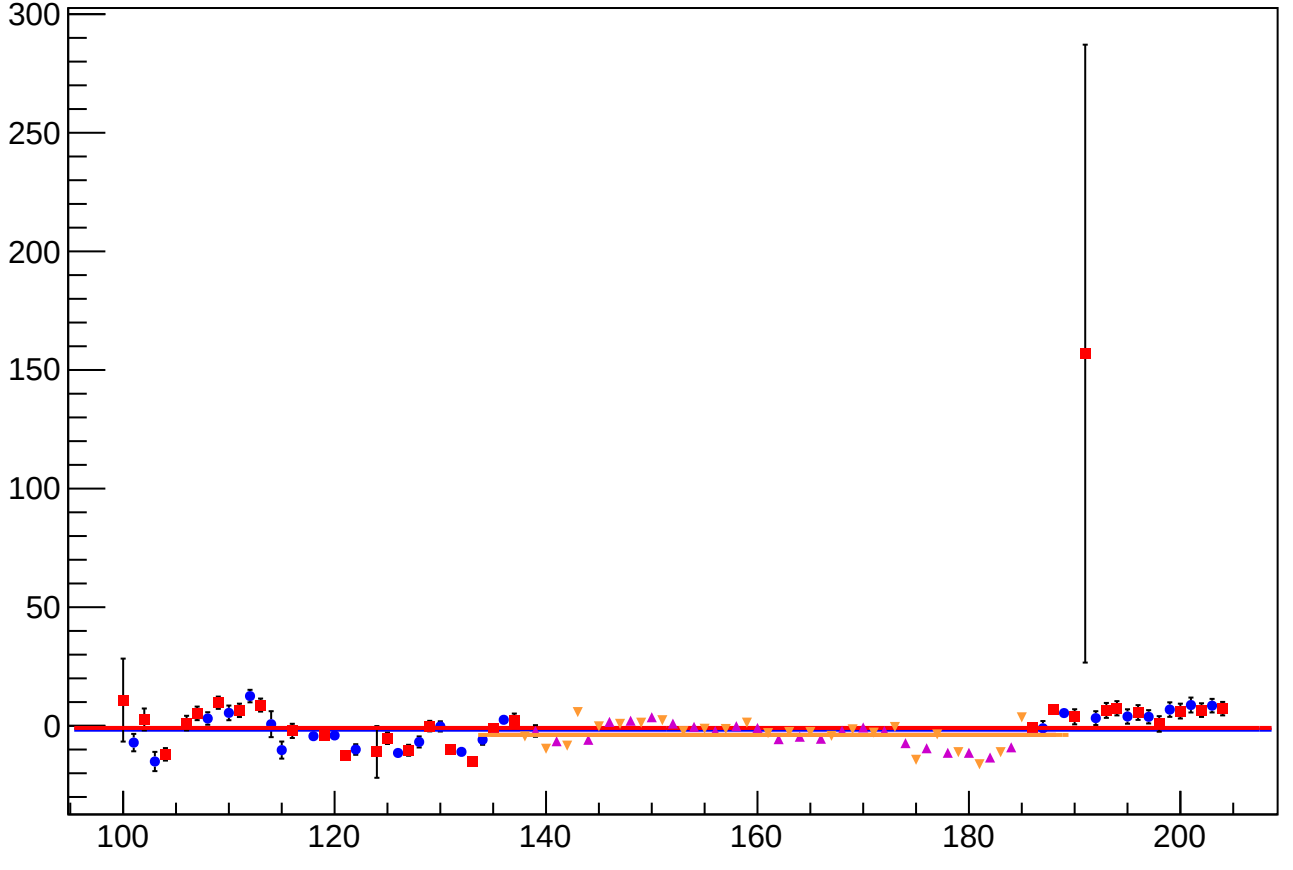
Right: -6.522+/-0.300 χ^2/NDF: 6489.3/53

In: 15.885+/-0.242 χ^2/NDF:7094.7/46

Out: 14.020+/-0.231 χ^2/NDF:10065.8/54

All: 14.906+/-0.167 χ^2/NDF: 17191.6/101

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -1.643+/-0.483 χ^2/NDF: 189.6/23

Left Out: -3.845+/-0.218 χ^2/NDF:649.4/24

Right Out: -0.893+/-0.453 χ^2/NDF: 256.8/29

Left In: -3.780+/-0.224 χ^2/NDF:509.8/22

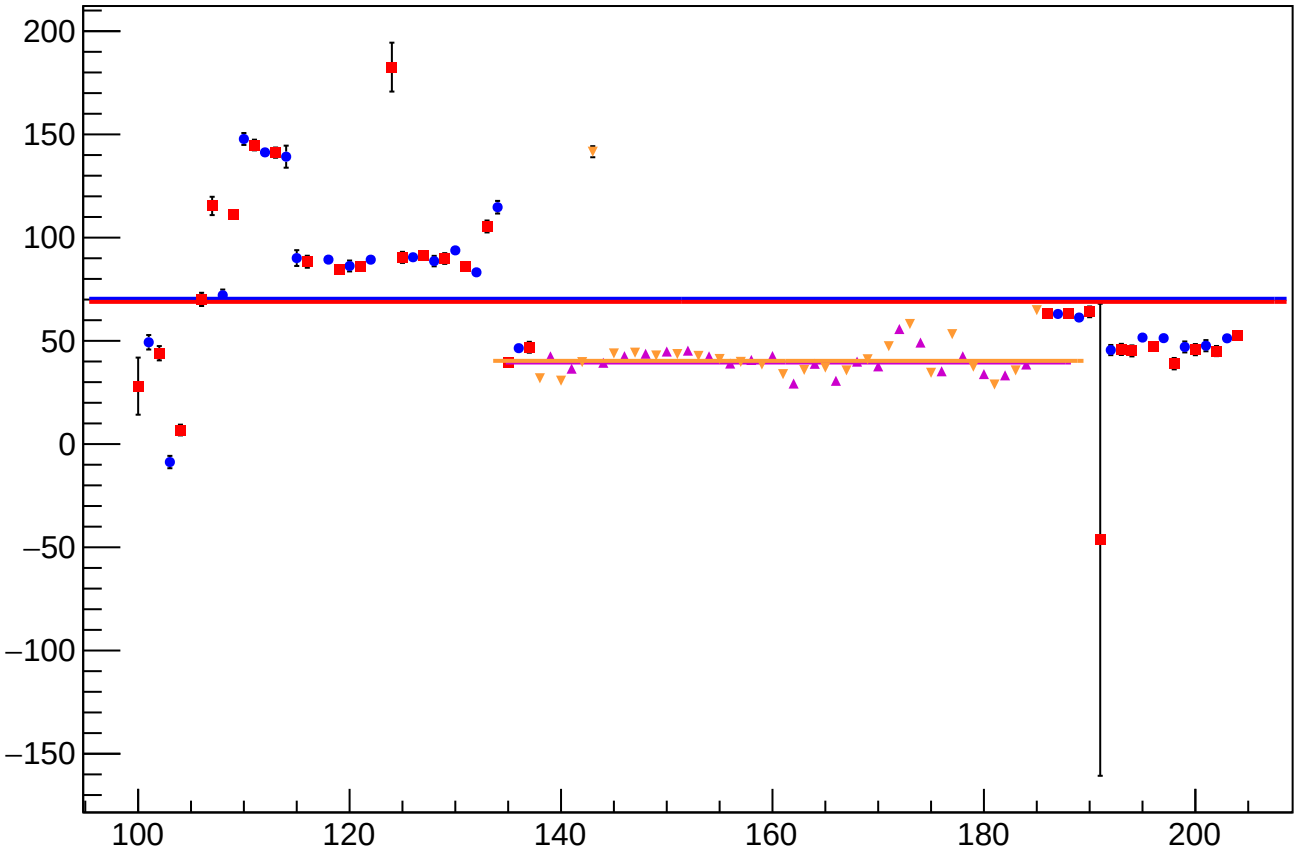
Left: -3.813+/-0.156 χ^2/NDF: 1159.2/47

Right: -1.245+/-0.330 χ^2/NDF: 447.7/53

In: -3.402+/-0.203 χ^2/NDF:715.6/46

Out: -3.292+/-0.196 χ^2/NDF:940.6/54

All: -3.345+/-0.141 χ^2/NDF: 1656.4/101



Right In: 70.380+/-0.466 χ^2/NDF: 4087.0/23

Left Out: 40.315+/-0.280 χ^2/NDF:2182.8/24

Right Out: 68.887+/-0.398 χ^2/NDF: 4485.3/29

Left In: 39.504+/-0.285 χ^2/NDF:432.1/22

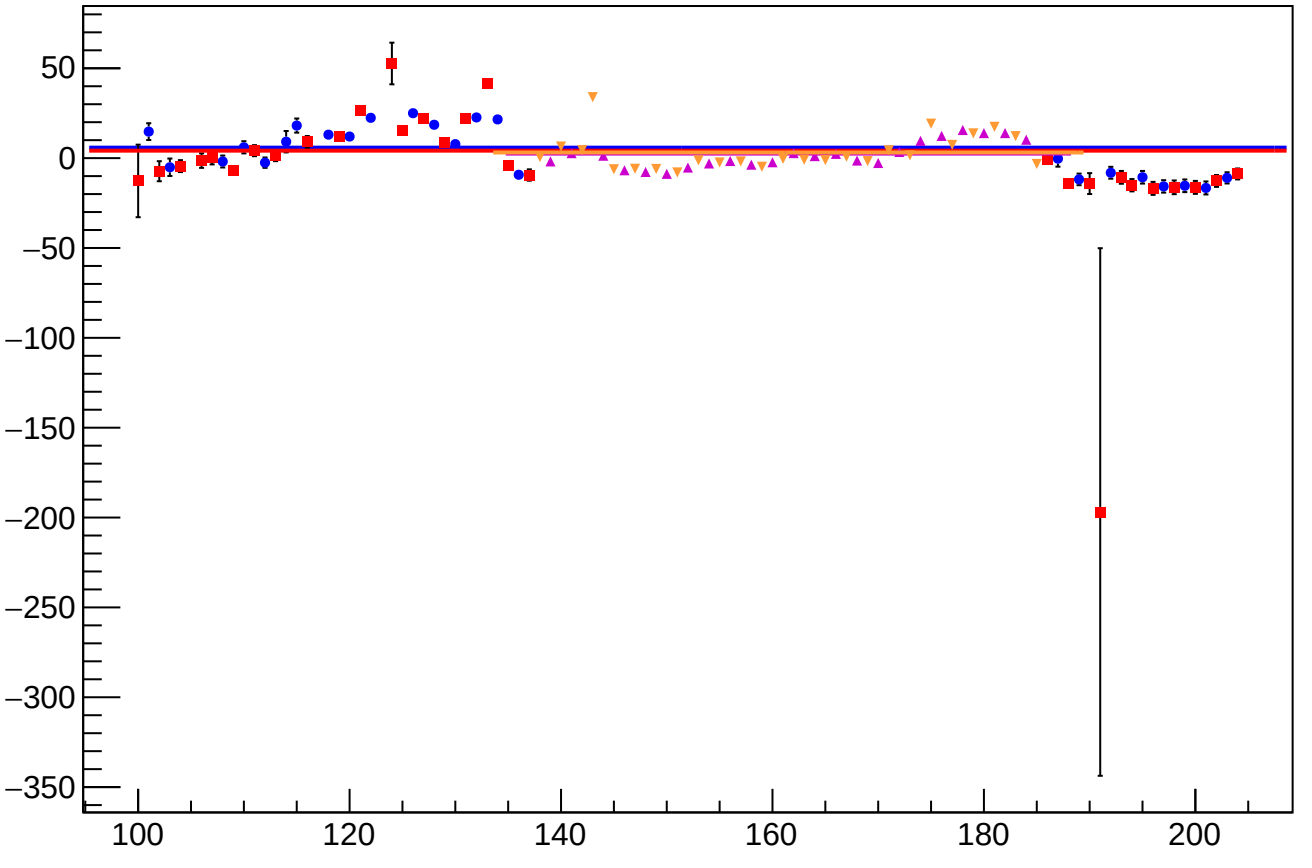
Left: 39.916+/-0.200 χ^2/NDF: 2619.0/47

Right: 69.516+/-0.303 χ^2/NDF: 8578.2/53

In: 47.890+/-0.243 χ^2/NDF:7713.0/46

Out: 49.779+/-0.229 χ^2/NDF:10113.4/54

All: 48.890+/-0.167 χ^2/NDF: 17858.5/101



Right In: 5.826+/-0.558 χ^2/NDF: 626.5/23

Left Out: 3.142+/-0.245 χ^2/NDF:1267.0/24

Right Out: 4.164+/-0.538 χ^2/NDF: 840.6/29

Left In: 2.519+/-0.251 χ^2/NDF:968.2/22

Left: 2.837+/-0.175 χ^2/NDF: 2238.3/47

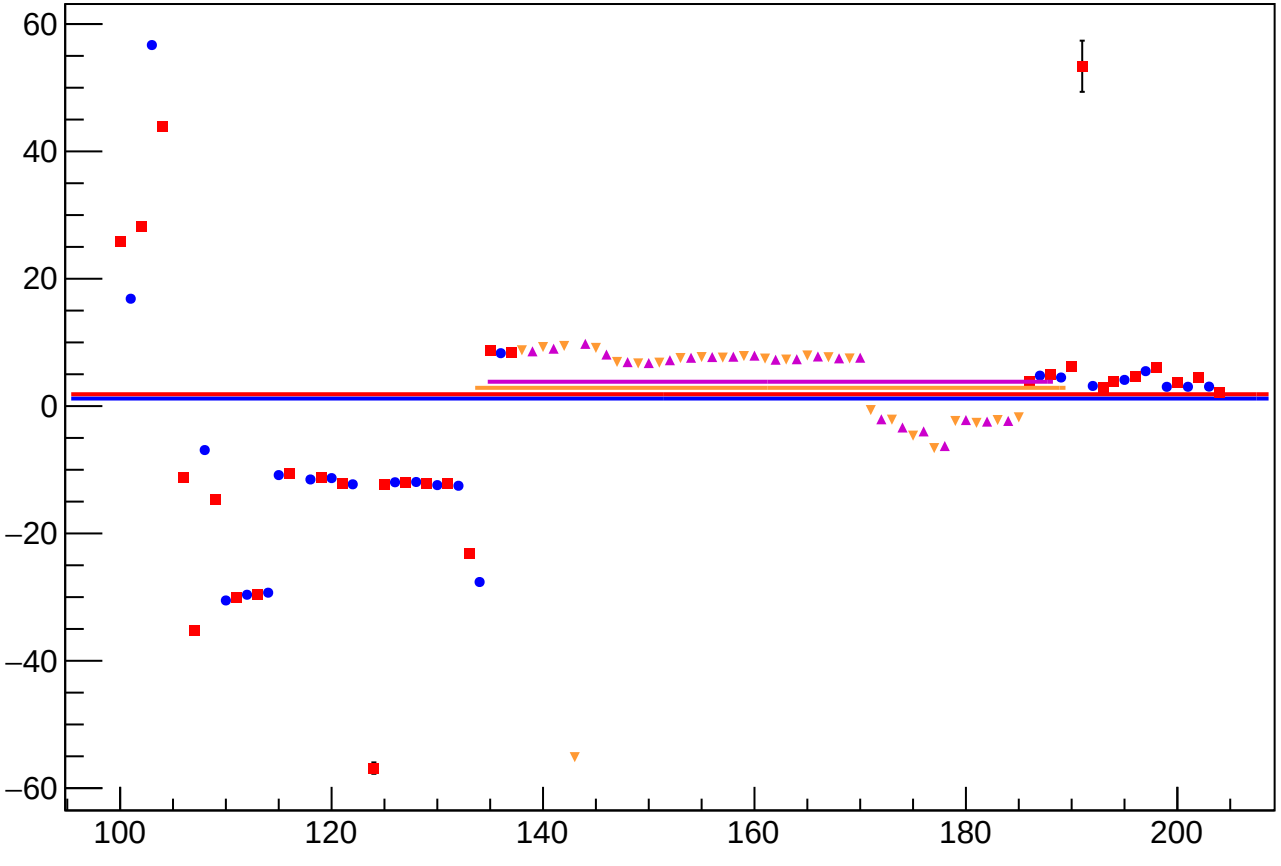
Right: 4.965+/-0.387 χ^2/NDF: 1471.7/53

In: 3.075+/-0.229 χ^2/NDF:1623.9/46

Out: 3.318+/-0.223 χ^2/NDF:2110.6/54

All: 3.200+/-0.160 χ^2/NDF: 3735.1/101

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 1.187+/-0.027 χ^2/NDF: 375137.0/23

Left Out: 2.870+/-0.011 χ^2/NDF:512331.0/24

Right Out: 1.863+/-0.026 χ^2/NDF: 326109.0/29

Left In: 3.825+/-0.011 χ^2/NDF:233224.7/22

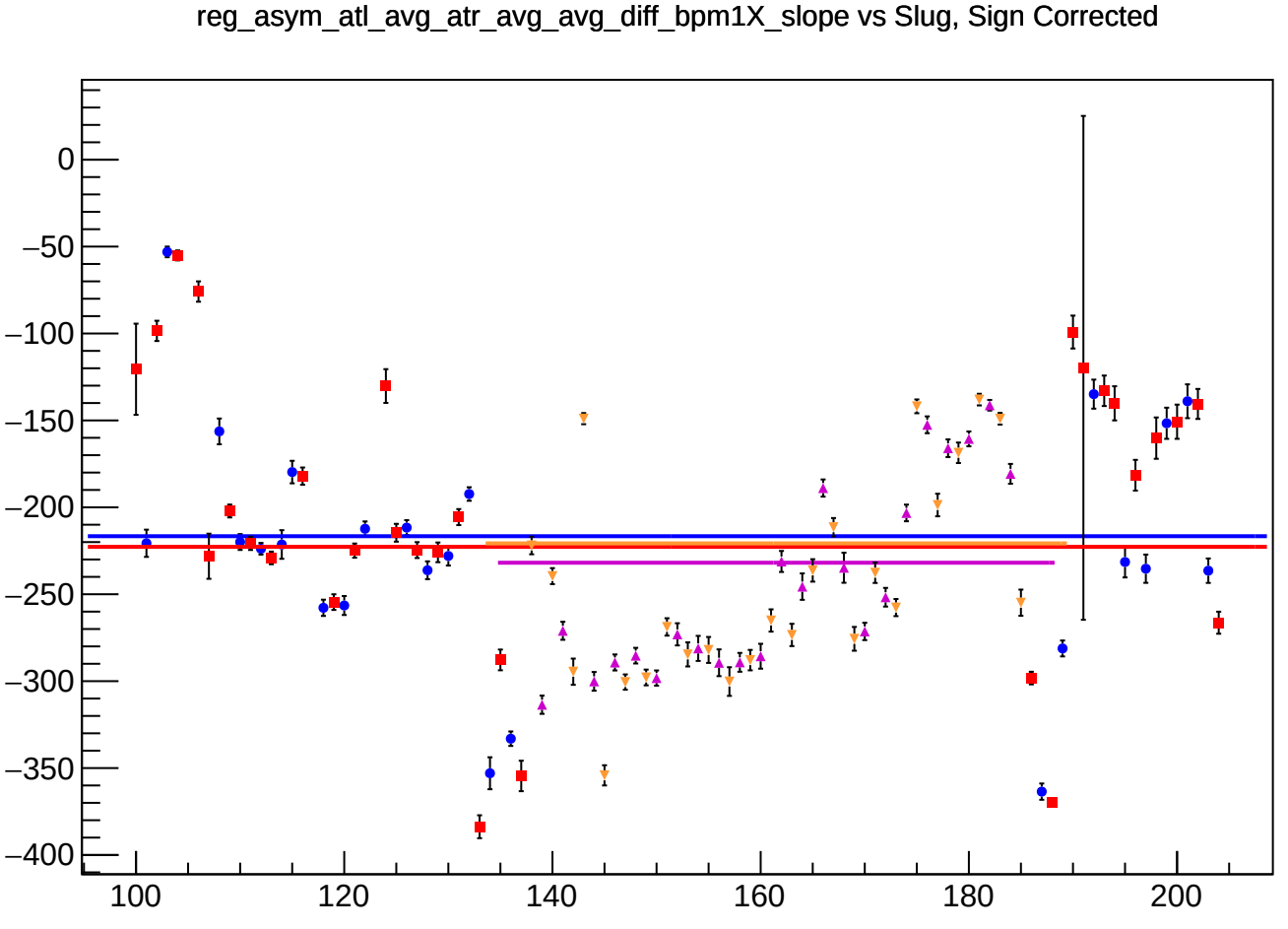
Left: 3.343+/-0.008 χ^2/NDF: 749294.8/47

Right: 1.537+/-0.019 χ^2/NDF: 701569.6/53

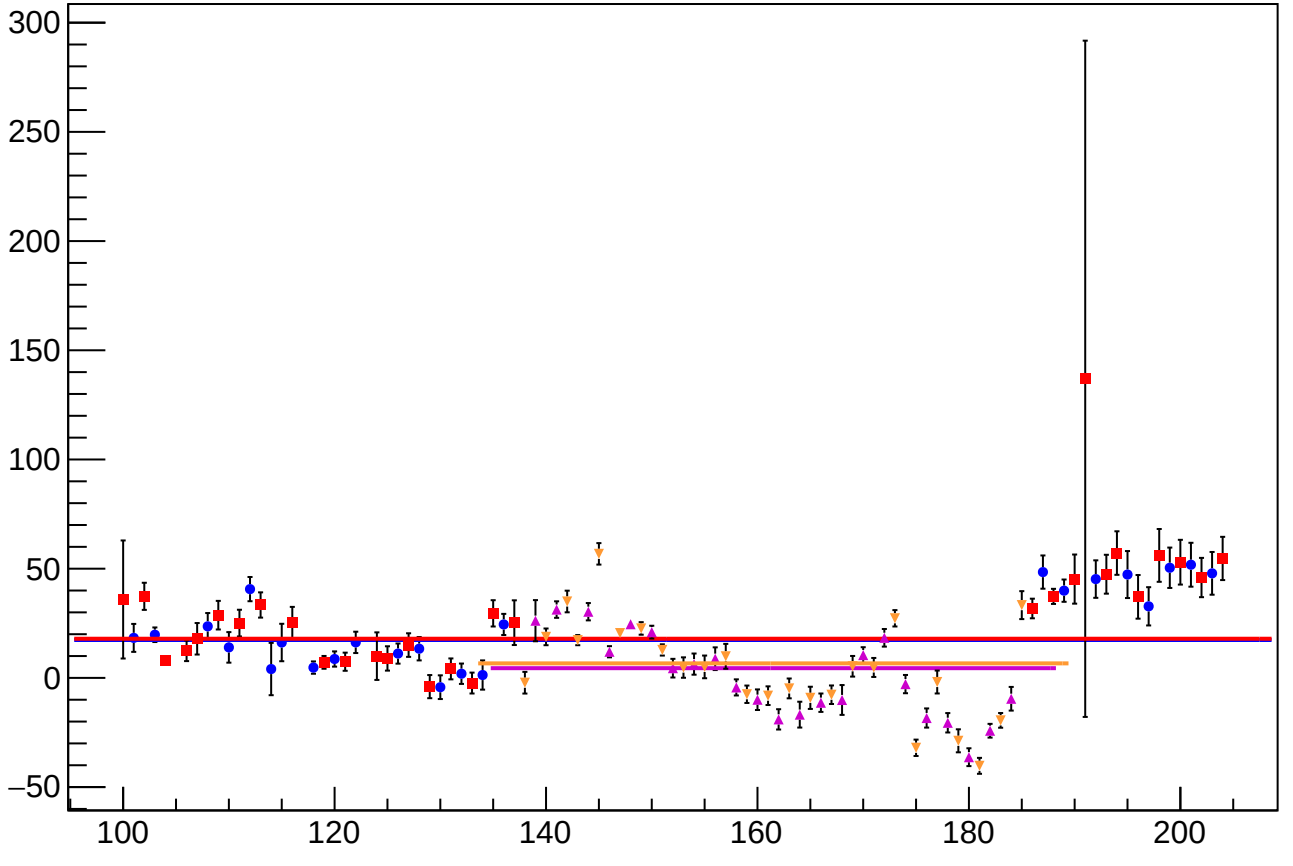
In: 3.444+/-0.010 χ^2/NDF:616521.5/46

Out: 2.719+/-0.010 χ^2/NDF:839703.1/54

All: 3.076+/-0.007 χ^2/NDF: 1458753.4/101


reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs Slug, Sign Corrected
0
−50
−100
−150
−200
−250
−300
−350
−400
100
120
140
160
180
200
Right In: -216.611+/-1.059 χ²/NDF: 5554.6/23
Left Out: -220.723+/-1.018 χ²/NDF:4052.2/24
Right Out: -222.737+/-0.940 χ²/NDF: 10180.7/29
Left In: -231.871+/-1.077 χ²/NDF:3160.3/22
Left: -225.984+/-0.740 χ²/NDF: 7269.1/47
Right: -220.039+/-0.703 χ²/NDF: 15753.9/53
In: -224.114+/-0.755 χ²/NDF:8816.9/46
Out: -221.810+/-0.690 χ²/NDF:14235.0/54
All: -222.859+/-0.510 χ²/NDF: 23057.0/101

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 17.352+/-1.108 χ^2/NDF: 176.1/23

Left Out: 6.643+/-0.752 χ^2/NDF:735.0/24

Right Out: 17.927+/-0.996 χ^2/NDF: 236.8/29

Left In: 4.447+/-0.807 χ^2/NDF:567.1/22

Left: 5.622+/-0.550 χ^2/NDF: 1306.0/47

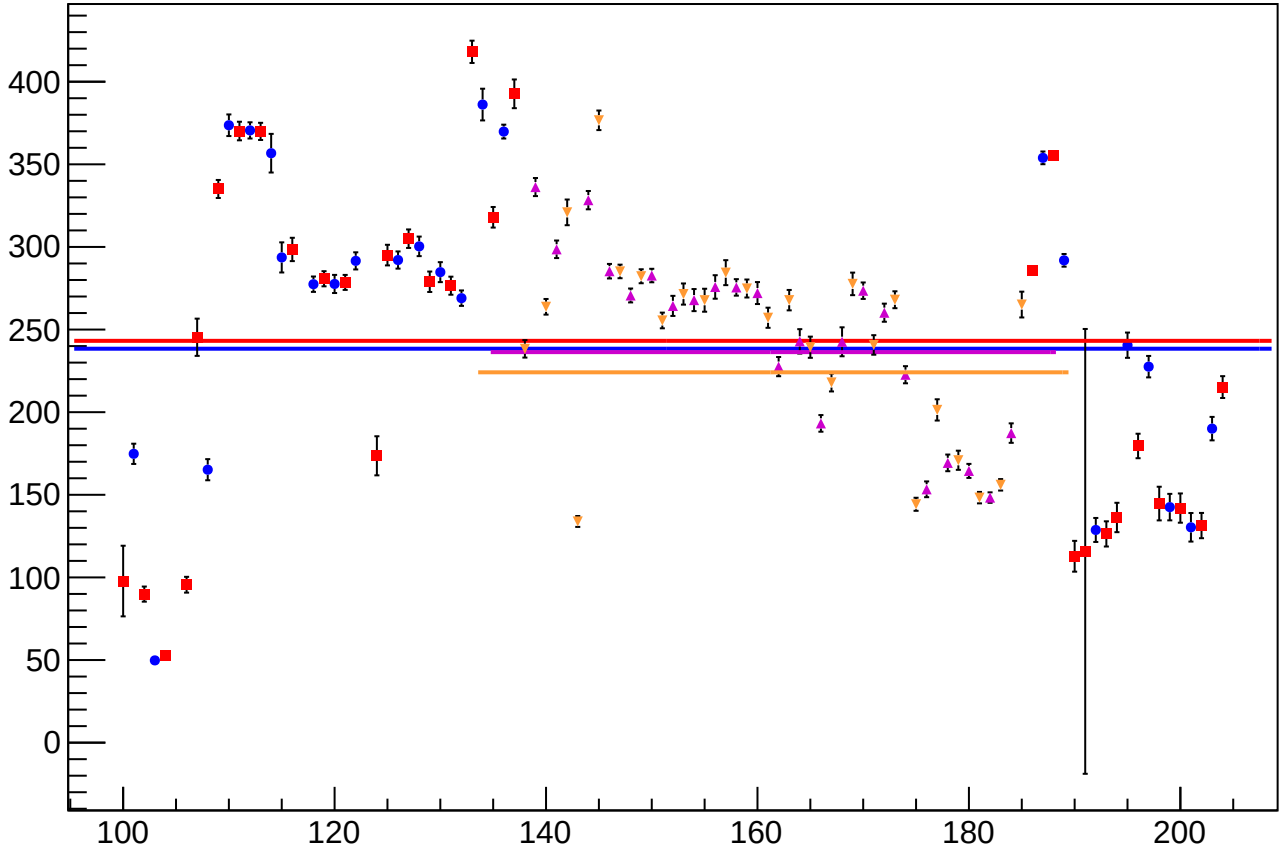
Right: 17.670+/-0.741 χ^2/NDF: 413.1/53

In: 8.919+/-0.652 χ^2/NDF:831.8/46

Out: 10.742+/-0.600 χ^2/NDF:1053.5/54

All: 9.906+/-0.442 χ^2/NDF: 1889.6/101

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 238.407+/-1.069 χ^2/NDF: 11091.6/23

Left Out: 224.123+/-1.014 χ^2/NDF:3966.6/24

Right Out: 243.174+/-0.917 χ^2/NDF: 16616.4/29

Left In: 236.342+/-1.066 χ^2/NDF:2992.9/22

Left: 229.922+/-0.735 χ^2/NDF: 7028.5/47

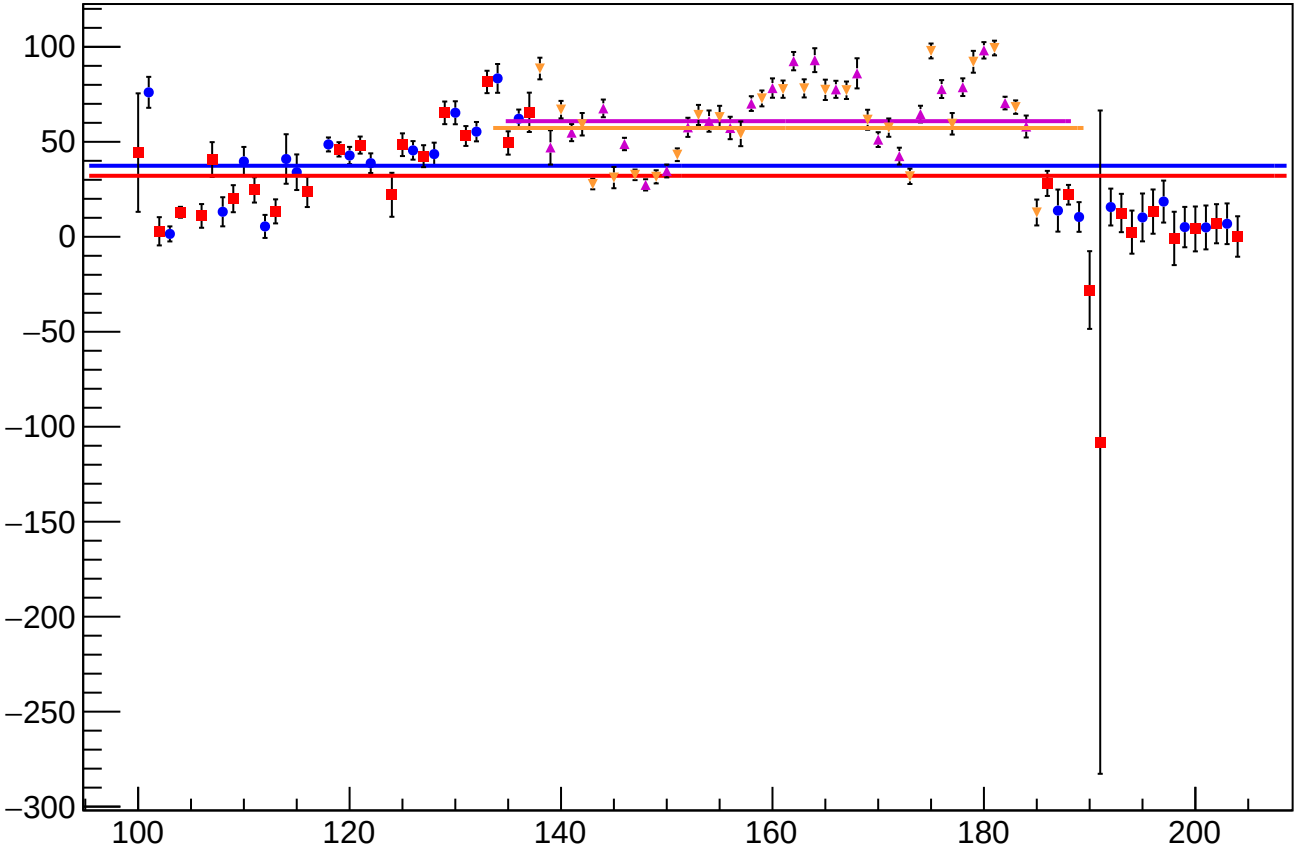
Right: 241.154+/-0.696 χ^2/NDF: 27719.5/53

In: 237.372+/-0.755 χ^2/NDF:14086.4/46

Out: 234.600+/-0.680 χ^2/NDF:20777.4/54

All: 235.841+/-0.505 χ^2/NDF: 34871.2/101

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 37.402+/-1.306 χ^2/NDF: 307.8/23

Left Out: 57.288+/-0.868 χ^2/NDF:767.9/24

Right Out: 32.117+/-1.200 χ^2/NDF: 313.3/29

Left In: 60.877+/-0.923 χ^2/NDF:454.7/22

Left: 58.973+/-0.632 χ^2/NDF: 1230.6/47

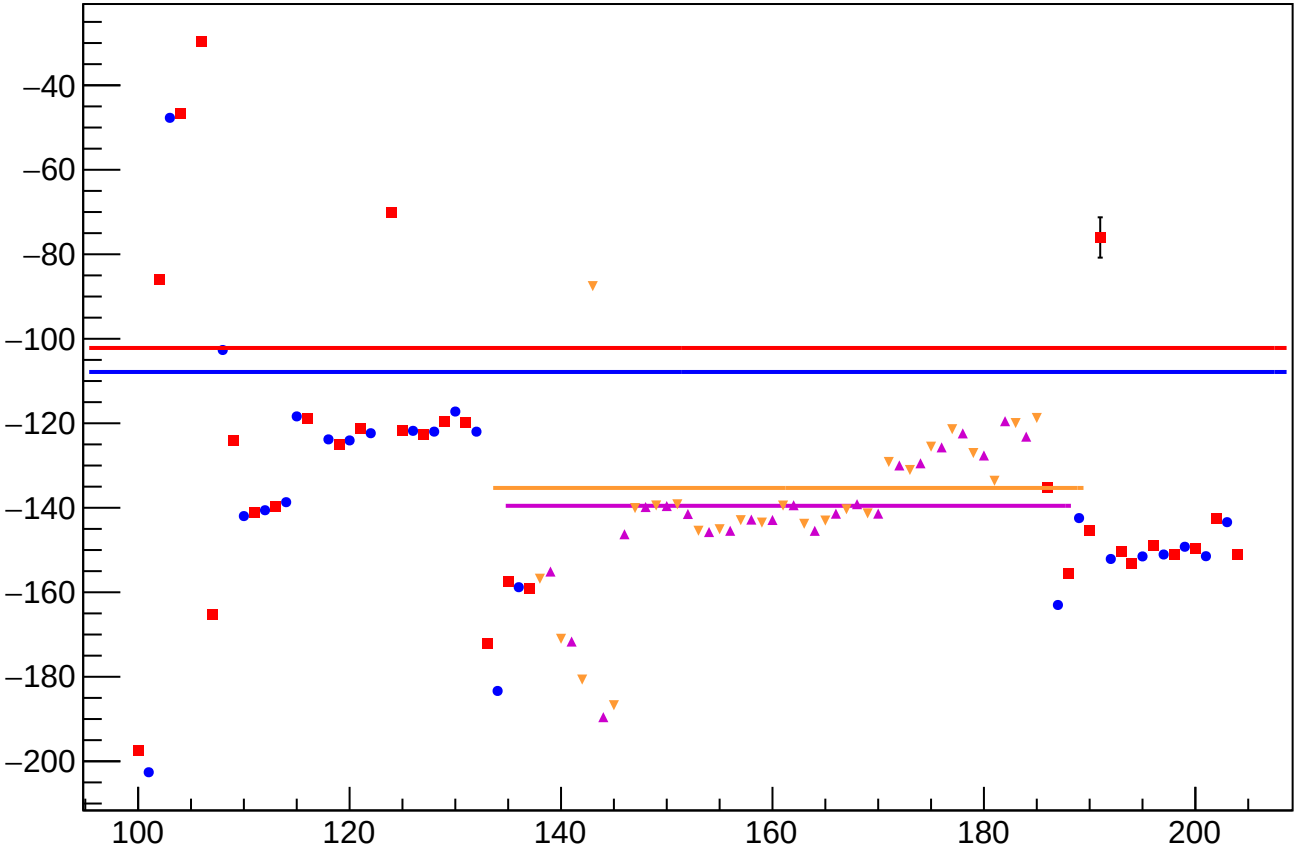
Right: 34.537+/-0.883 χ^2/NDF: 630.0/53

In: 53.058+/-0.753 χ^2/NDF:978.1/46

Out: 48.640+/-0.703 χ^2/NDF:1370.1/54

All: 50.697+/-0.514 χ^2/NDF: 2366.6/101

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -107.855+/-0.061 χ^2/NDF: 660248.8/23

Left Out: -135.305+/-0.041 χ^2/NDF:262874.5/24

Right Out: -102.175+/-0.058 χ^2/NDF: 718470.5/29

Left In: -139.533+/-0.042 χ^2/NDF:114482.7/22

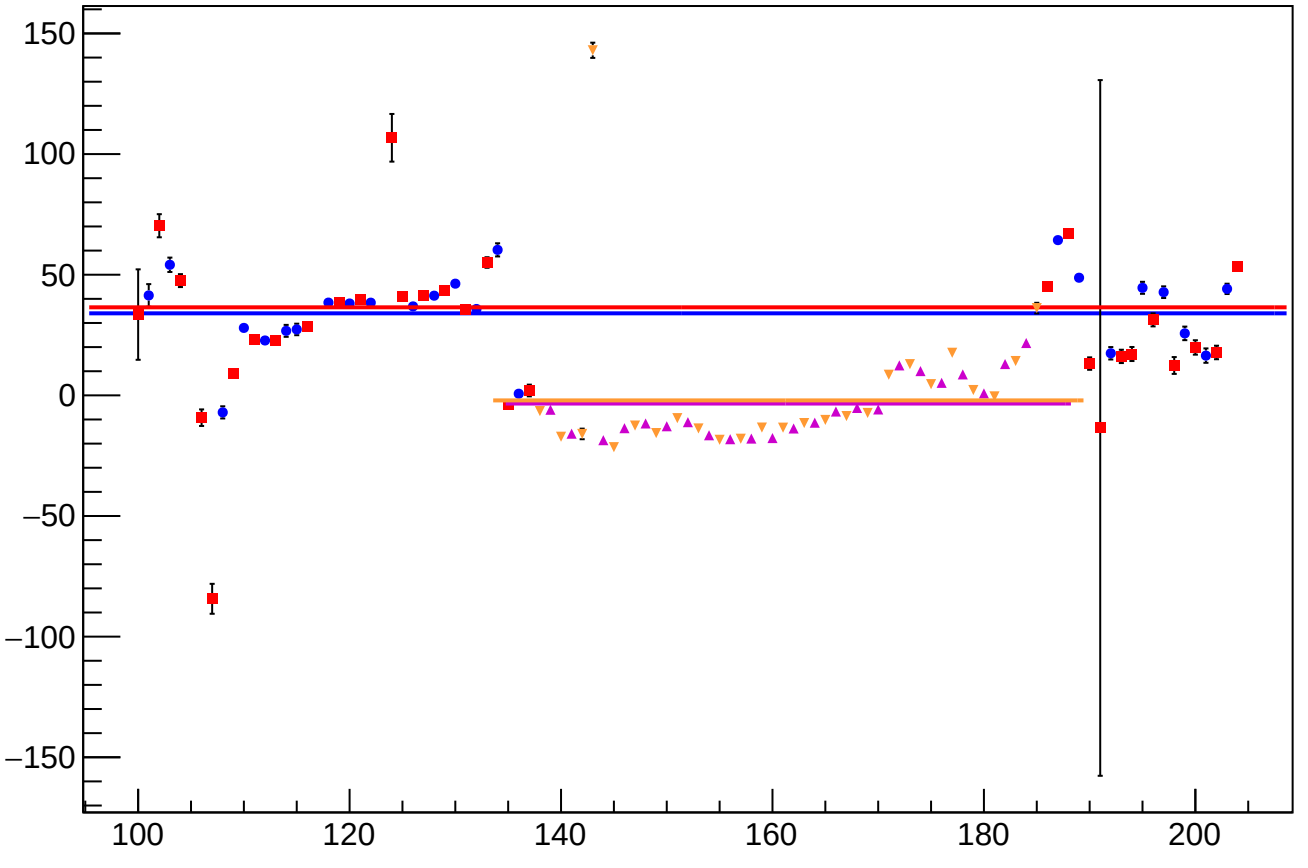
Left: -137.341+/-0.029 χ^2/NDF: 382584.2/47

Right: -104.855+/-0.042 χ^2/NDF: 1383301.8/53

In: -129.307+/-0.035 χ^2/NDF:957409.4/46

Out: -124.326+/-0.033 χ^2/NDF:1202269.3/54

All: -126.708+/-0.024 χ^2/NDF: 2170456.6/10



Right In: 33.997+/-0.362 χ^2/NDF: 2289.6/23

Left Out: -2.091+/-0.267 χ^2/NDF:4201.3/24

Right Out: 36.488+/-0.312 χ^2/NDF: 4690.1/29

Left In: -3.391+/-0.271 χ^2/NDF:1752.8/22

Left: -2.730+/-0.190 χ^2/NDF: 5965.8/47

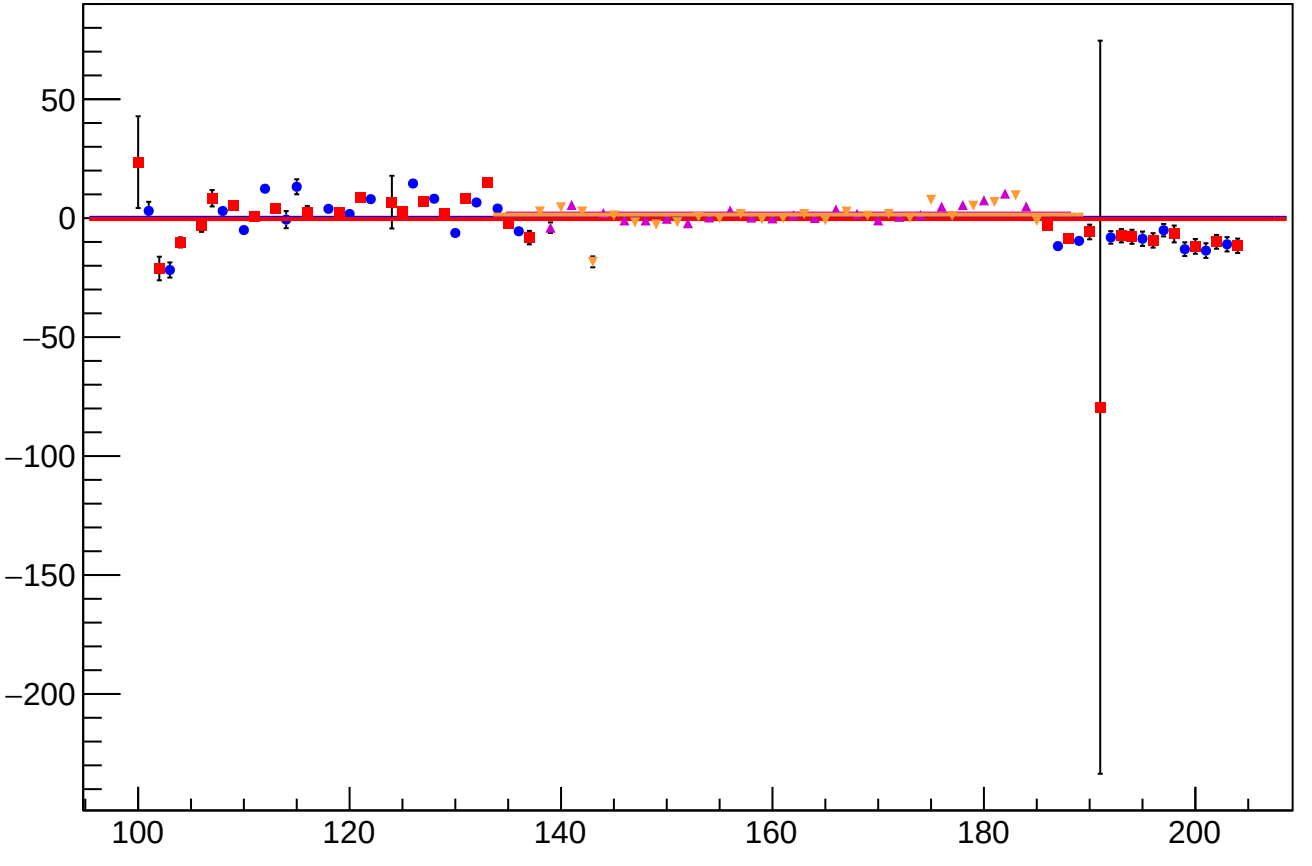
Right: 35.424+/-0.236 χ^2/NDF: 7006.9/53

In: 10.079+/-0.217 χ^2/NDF:10885.0/46

Out: 14.181+/-0.203 χ^2/NDF:17712.7/54

All: 12.268+/-0.148 χ^2/NDF: 28788.5/101

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.150+/-0.392 χ^2/NDF: 439.0/23

Left Out: 1.489+/-0.205 χ^2/NDF:328.6/24

Right Out: -0.382+/-0.362 χ^2/NDF: 388.5/29

Left In: 1.933+/-0.210 χ^2/NDF:240.7/22

Left: 1.705+/-0.147 χ^2/NDF: 571.5/47

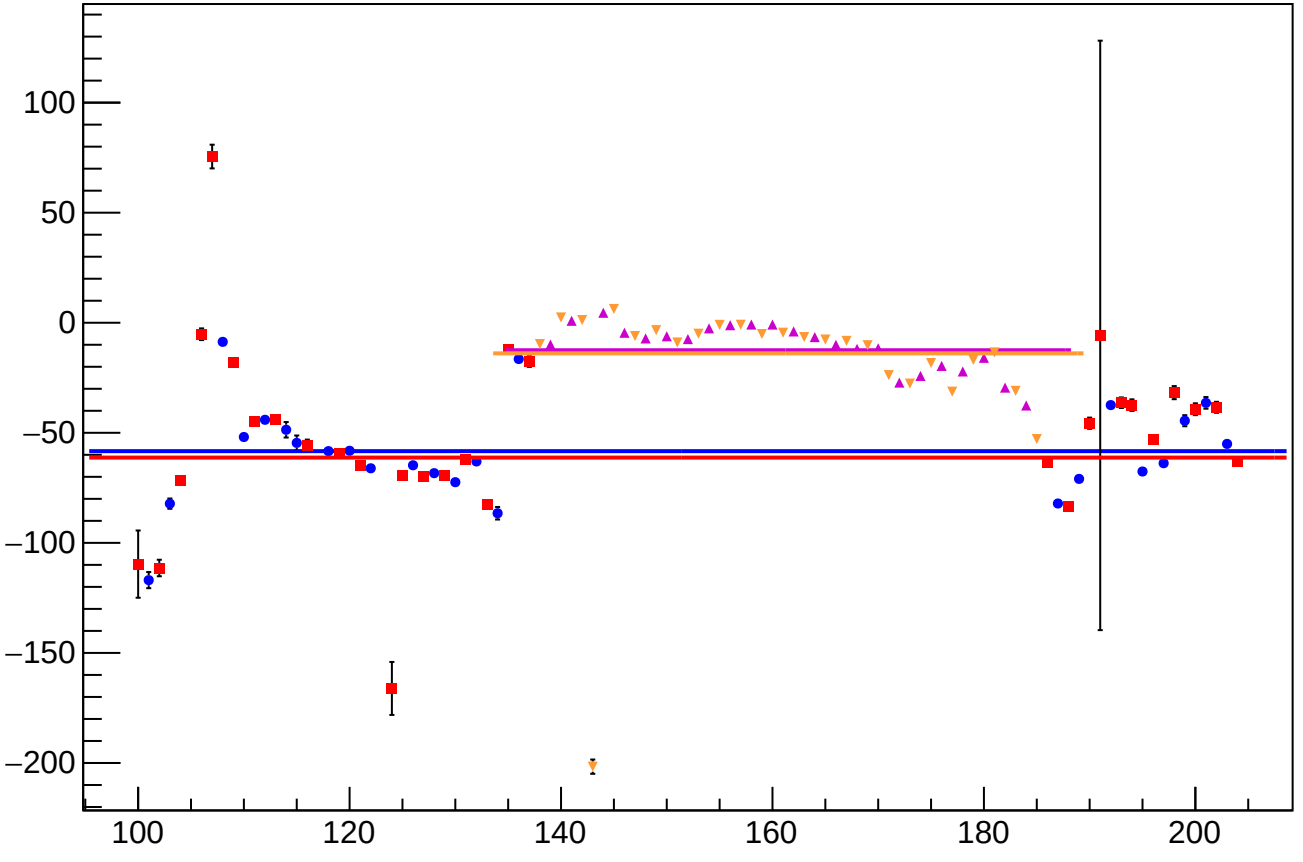
Right: -0.137+/-0.266 χ^2/NDF: 828.5/53

In: 1.534+/-0.185 χ^2/NDF:695.8/46

Out: 1.034+/-0.178 χ^2/NDF:737.3/54

All: 1.275+/-0.129 χ^2/NDF: 1436.8/101

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -58.337+/-0.376 χ^2/NDF: 3326.9/23

Left Out: -13.908+/-0.265 χ^2/NDF:5128.3/24

Right Out: -61.255+/-0.308 χ^2/NDF: 5464.0/29

Left In: -12.494+/-0.269 χ^2/NDF:1430.3/22

Left: -13.212+/-0.189 χ^2/NDF: 6572.6/47

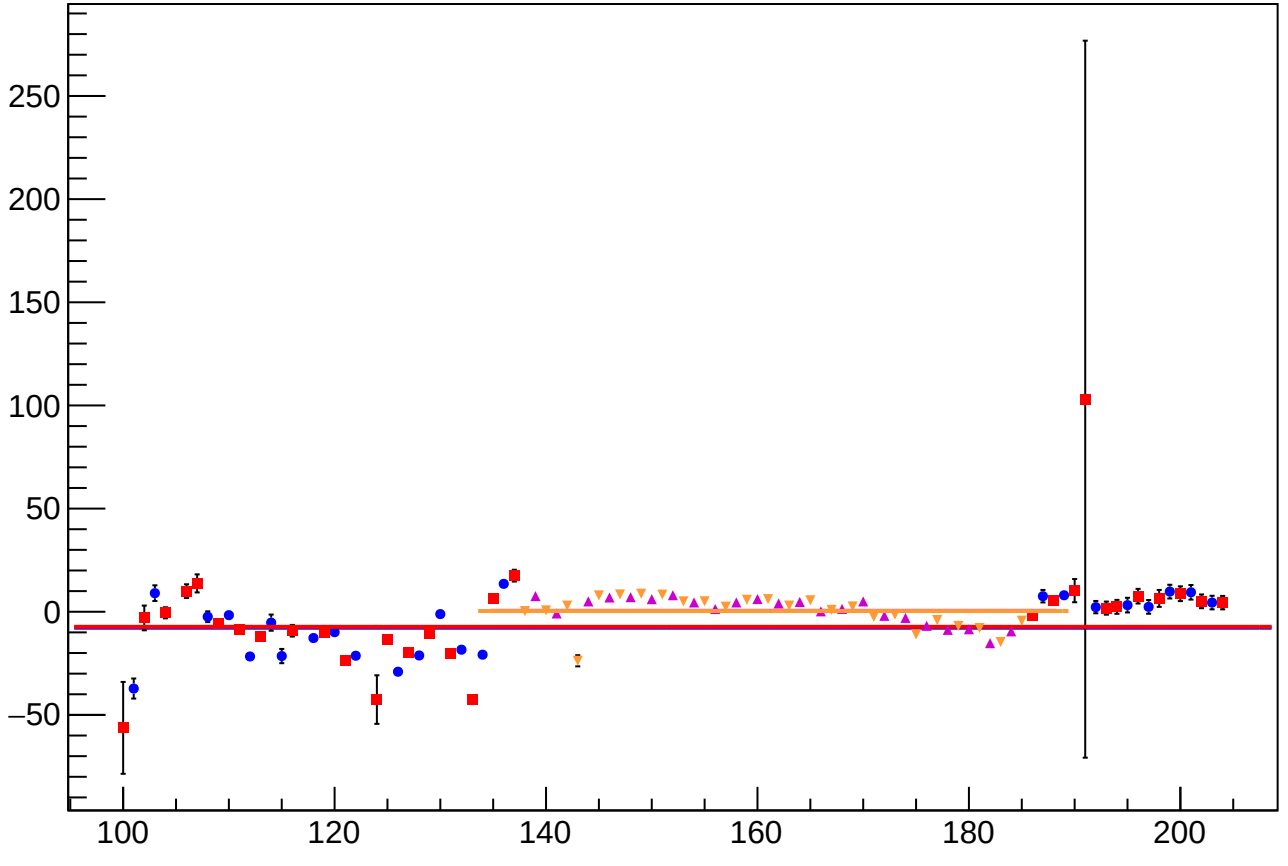
Right: -60.082+/-0.238 χ^2/NDF: 8827.0/53

In: -28.014+/-0.219 χ^2/NDF:14611.8/46

Out: -34.024+/-0.201 χ^2/NDF:24185.3/54

All: -31.274+/-0.148 χ^2/NDF: 39207.3/101

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -7.723+/-0.459 χ^2/NDF: 866.4/23

Left Out: 0.345+/-0.231 χ^2/NDF:921.9/24

Right Out: -7.306+/-0.437 χ^2/NDF: 914.1/29

Left In: 0.433+/-0.237 χ^2/NDF:782.1/22

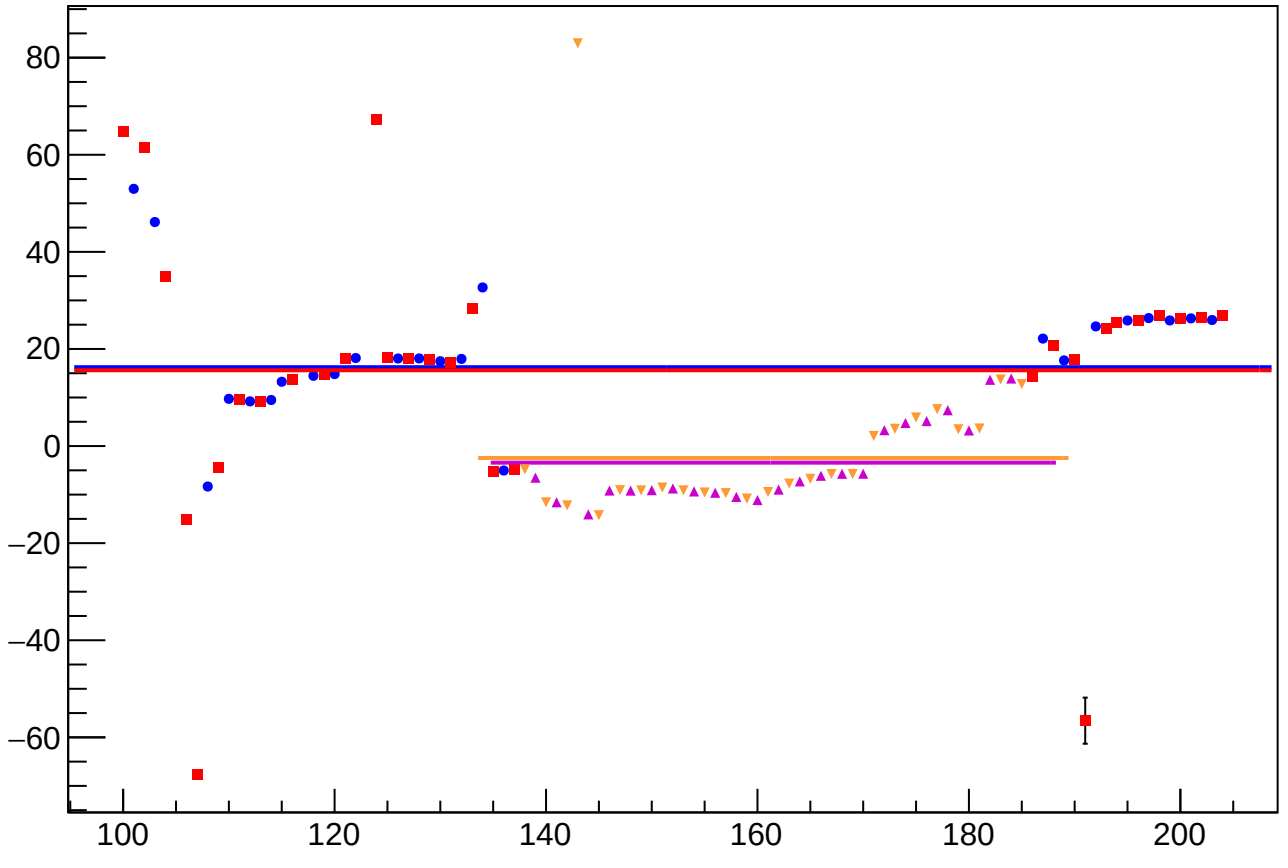
Left: 0.388+/-0.165 χ^2/NDF: 1704.0/47

Right: -7.505+/-0.316 χ^2/NDF: 1780.9/53

In: -1.282+/-0.210 χ^2/NDF:1898.2/46

Out: -1.332+/-0.204 χ^2/NDF:2075.8/54

All: -1.308+/-0.147 χ^2/NDF: 3974.0/101



Right In: 16.242+/-0.024 χ^2/NDF: 428187.6/23

Left Out: -2.452+/-0.010 χ^2/NDF:961833.3/24

Right Out: 15.607+/-0.023 χ^2/NDF: 553609.9/29

Left In: -3.418+/-0.010 χ^2/NDF:546802.2/22

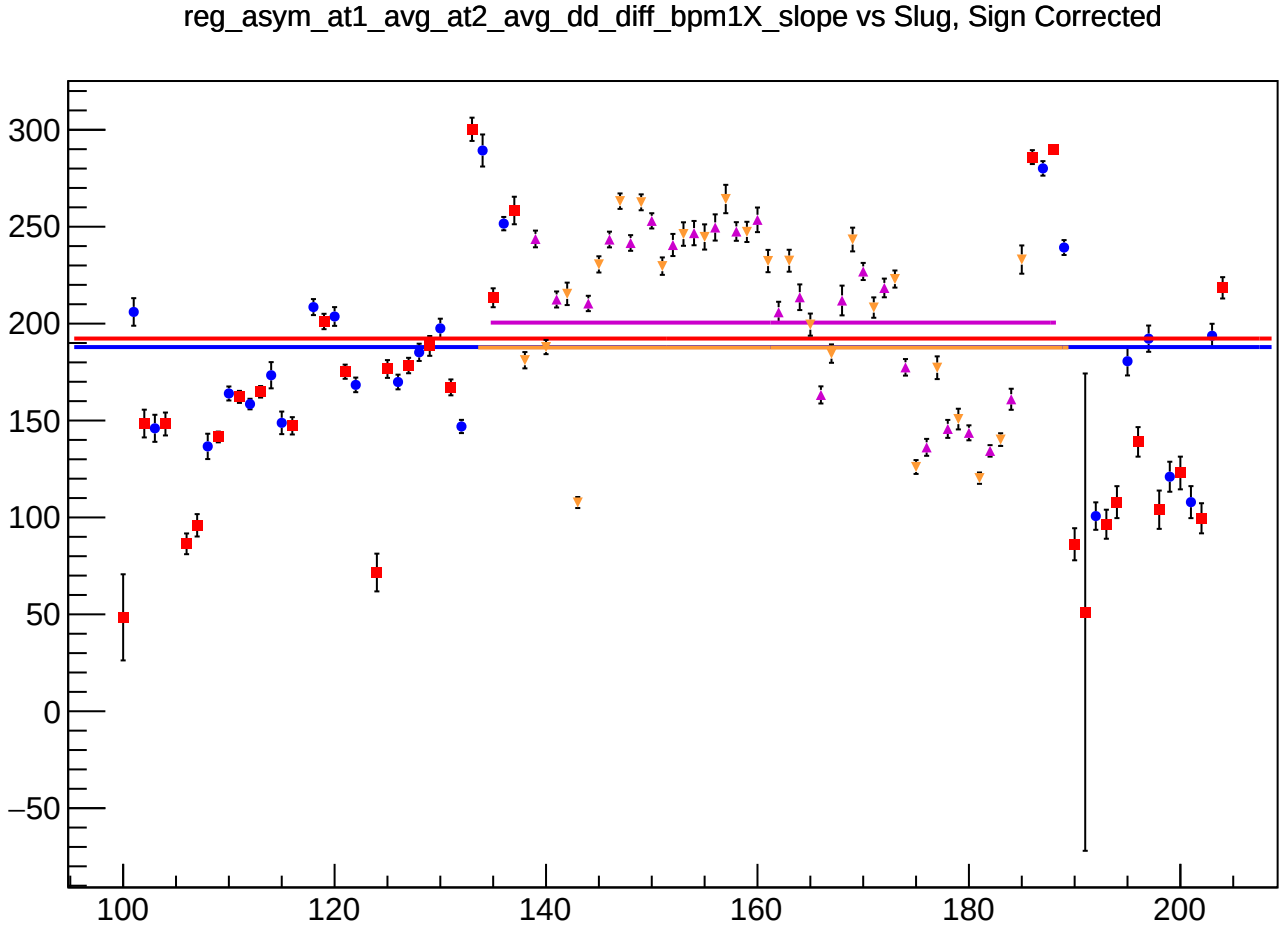
Left: -2.931+/-0.007 χ^2/NDF: 1512952.8/47

Right: 15.915+/-0.016 χ^2/NDF: 982167.9/53

In: -0.214+/-0.010 χ^2/NDF:1552910.7/46

Out: 0.593+/-0.009 χ^2/NDF:2028550.6/54

All: 0.194+/-0.007 χ^2/NDF: 3585074.1/101



Right In: 187.898+/-0.954 χ^2/NDF: 2143.3/23

Left Out: 187.681+/-0.898 χ^2/NDF:3528.3/24

Right Out: 192.306+/-0.836 χ^2/NDF: 5995.4/29

Left In: 200.521+/-0.955 χ^2/NDF:2111.4/22

Left: 193.703+/-0.654 χ^2/NDF: 5735.7/47

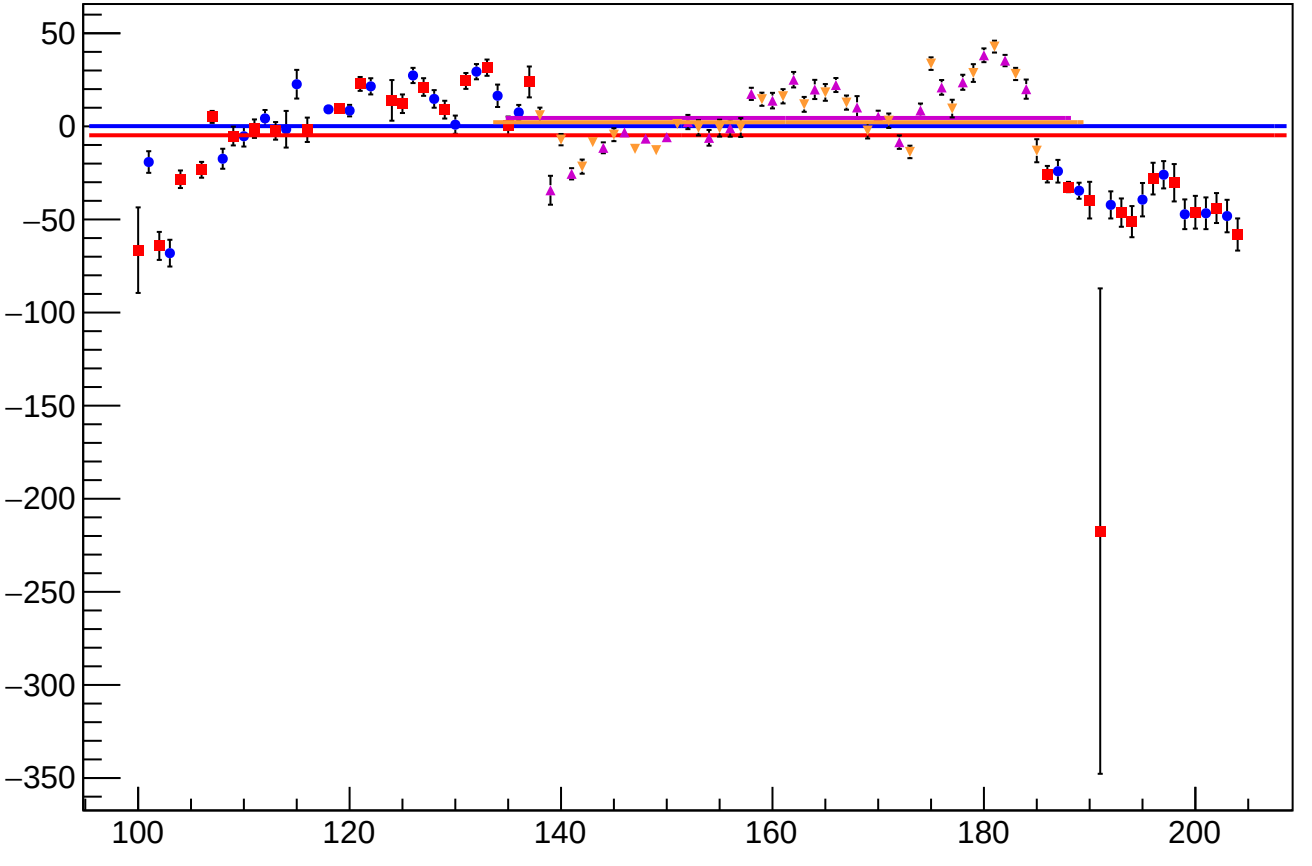
Right: 190.392+/-0.629 χ^2/NDF: 8150.8/53

In: 194.203+/-0.675 χ^2/NDF:4342.2/46

Out: 190.158+/-0.612 χ^2/NDF:9537.9/54

All: 191.982+/-0.453 χ^2/NDF: 13899.8/101

reg_asym_at1_avg_at2_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.120+/-1.010 χ^2/NDF: 524.5/23

Left Out: 2.245+/-0.665 χ^2/NDF:600.9/24

Right Out: -4.791+/-0.922 χ^2/NDF: 689.4/29

Left In: 4.513+/-0.714 χ^2/NDF:547.1/22

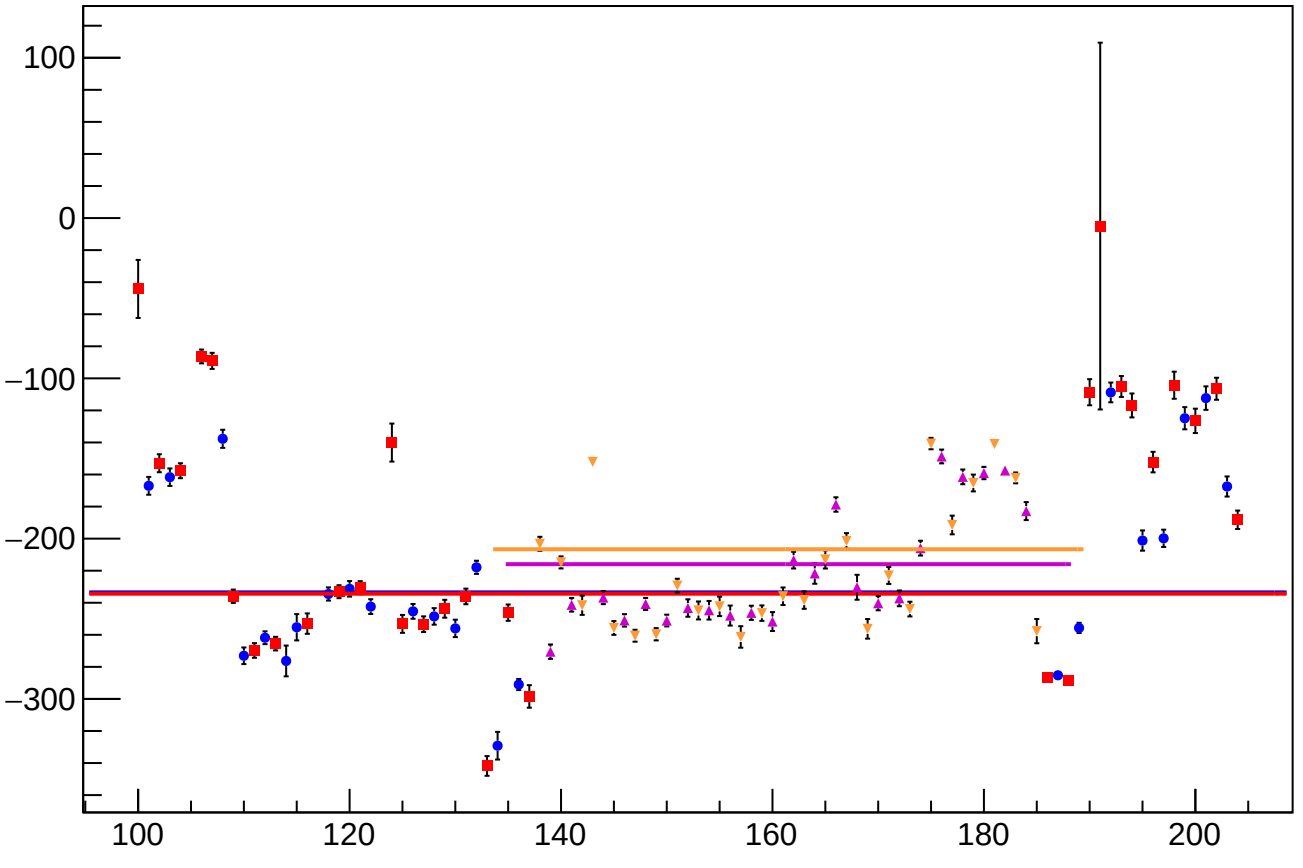
Left: 3.298+/-0.486 χ^2/NDF: 1153.4/47

Right: -2.559+/-0.681 χ^2/NDF: 1226.8/53

In: 3.049+/-0.583 χ^2/NDF:1084.2/46

Out: -0.160+/-0.539 χ^2/NDF:1328.6/54

All: 1.319+/-0.396 χ^2/NDF: 2429.1/101



Right In: -233.533+/-1.001 χ^2/NDF: 2620.8/23

Left Out: -206.617+/-0.895 χ^2/NDF:2467.8/24

Right Out: -234.356+/-0.844 χ^2/NDF: 6621.8/29

Left In: -215.938+/-0.946 χ^2/NDF:1711.9/22

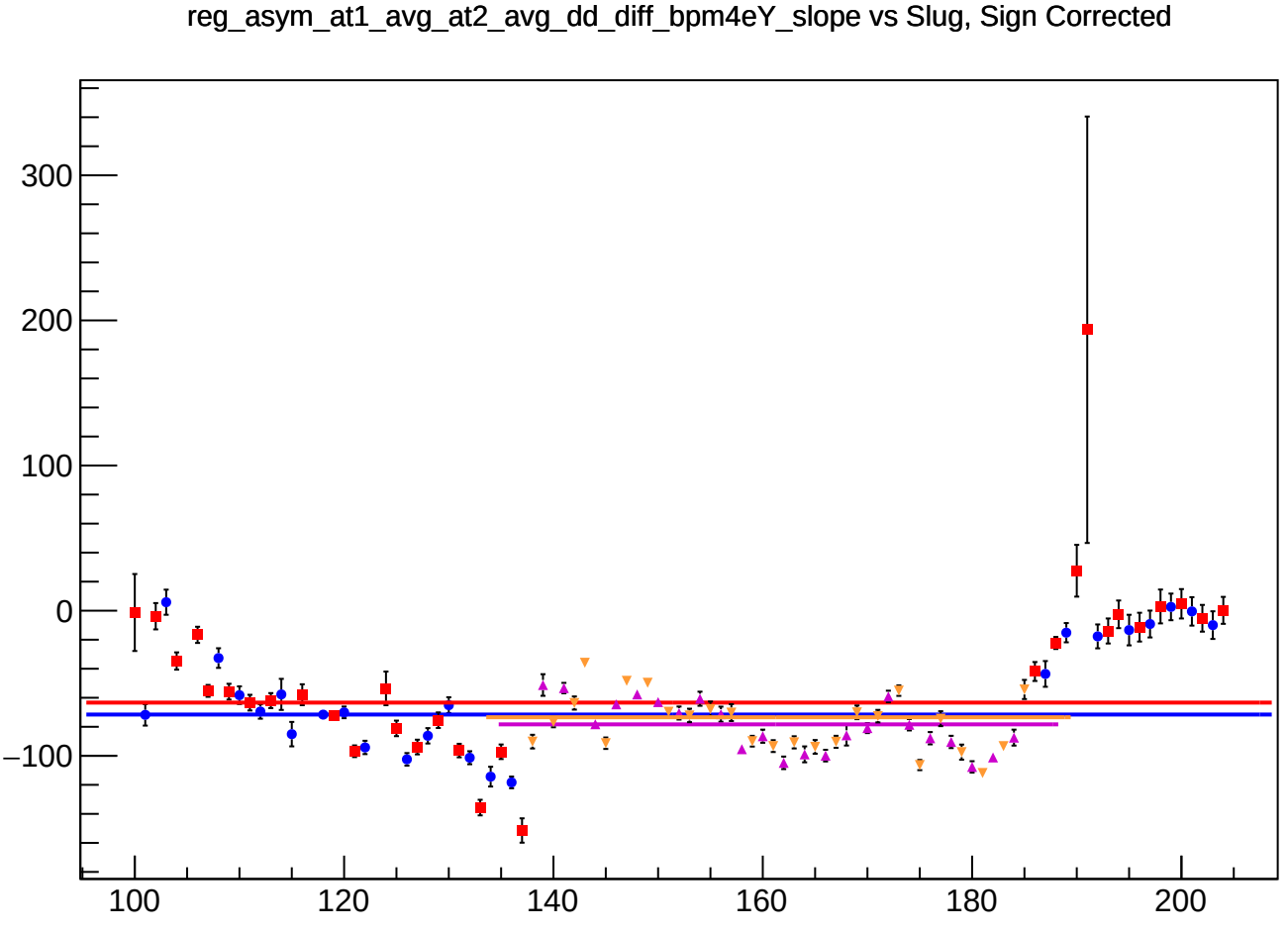
Left: -211.017+/-0.650 χ^2/NDF: 4230.9/47

Right: -234.014+/-0.645 χ^2/NDF: 9242.9/53

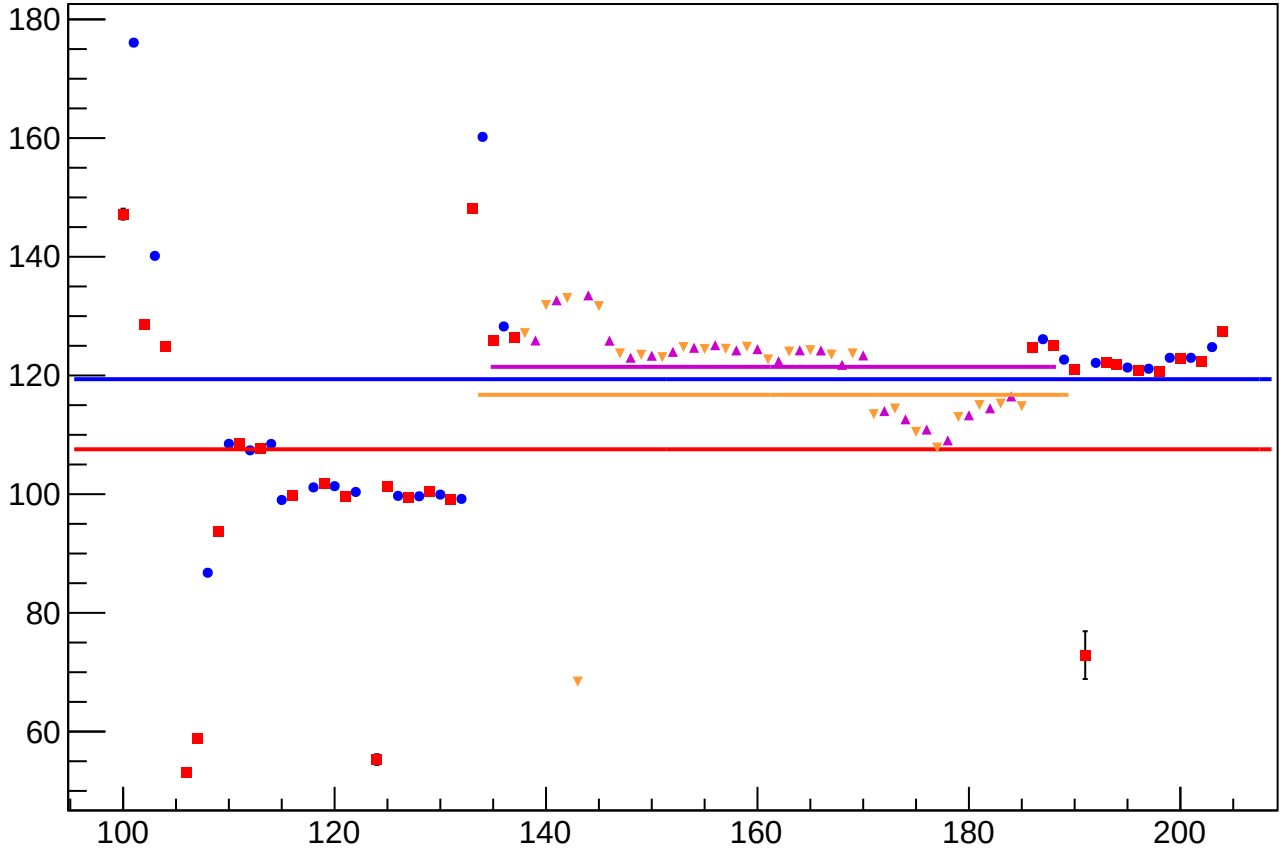
In: -224.242+/-0.688 χ^2/NDF:4495.9/46

Out: -221.301+/-0.614 χ^2/NDF:9598.4/54

All: -222.606+/-0.458 χ^2/NDF: 14104.5/101


reg_asym_at1_avg_at2_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
300
200
100
0
−100
100
120
140
160
180
200
Right In: -71.558+/-1.188 χ²/NDF: 786.2/23
Left Out: -73.426+/-0.767 χ²/NDF:836.6/24
Right Out: -63.333+/-1.104 χ²/NDF: 1067.2/29
Left In: -78.329+/-0.817 χ²/NDF:443.2/22
Left: -75.722+/-0.559 χ²/NDF: 1298.9/47
Right: -67.142+/-0.809 χ²/NDF: 1879.1/53
In: -76.155+/-0.673 χ²/NDF:1251.5/46
Out: -70.140+/-0.630 χ²/NDF:1960.1/54
All: -72.946+/-0.460 χ²/NDF: 3254.2/101

reg_asym_at1_avg_at2_avg_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 119.375+/-0.064 χ^2/NDF: 96938.7/23

Left Out: 116.740+/-0.036 χ^2/NDF:203650.9/24

Right Out: 107.563+/-0.057 χ^2/NDF: 204179.3/29

Left In: 121.455+/-0.037 χ^2/NDF:28796.4/22

Left: 119.004+/-0.026 χ^2/NDF: 240766.9/47

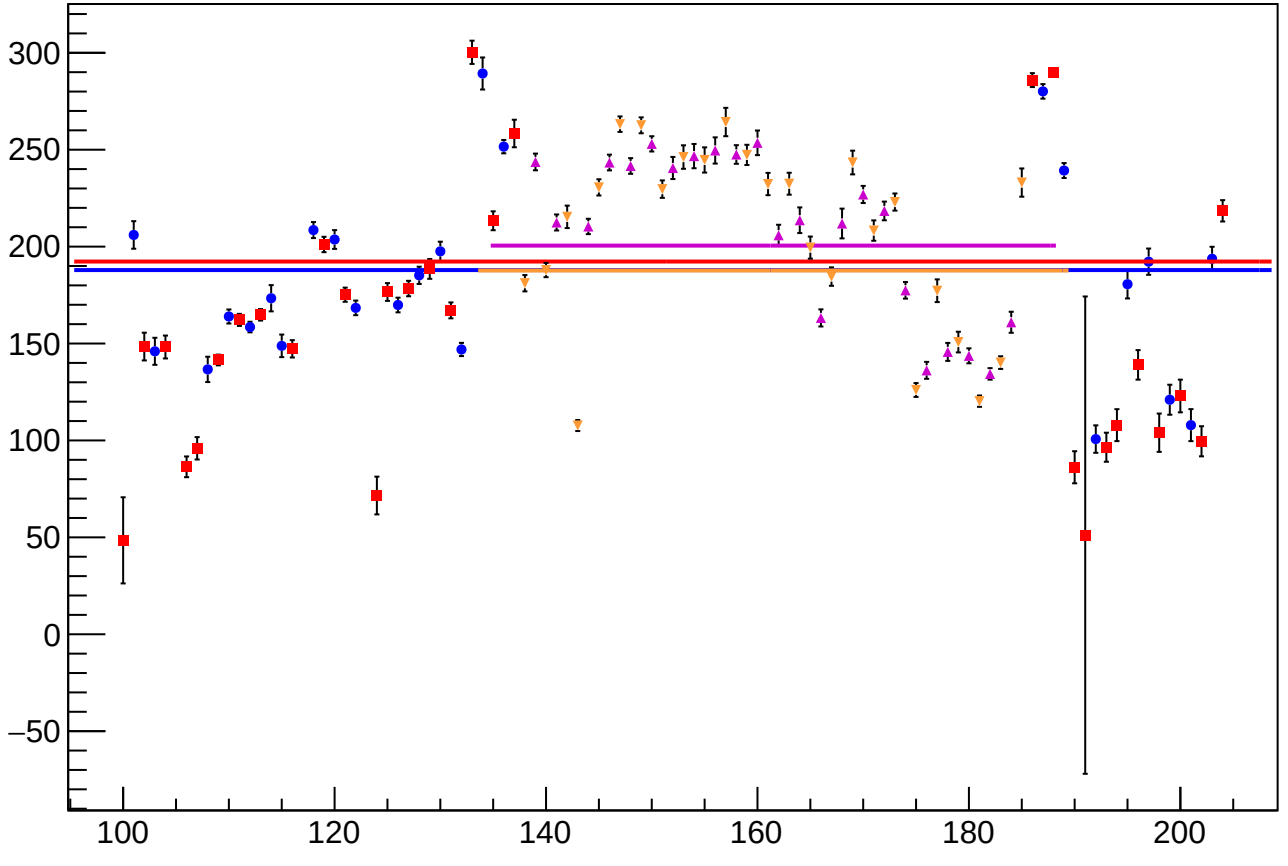
Right: 112.821+/-0.042 χ^2/NDF: 320225.7/53

In: 120.924+/-0.032 χ^2/NDF:126530.2/46

Out: 114.143+/-0.030 χ^2/NDF:426407.7/54

All: 117.335+/-0.022 χ^2/NDF: 576465.3/101

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 187.898+/-0.954 χ^2/NDF: 2143.3/23

Left Out: 187.681+/-0.898 χ^2/NDF:3528.3/24

Right Out: 192.306+/-0.836 χ^2/NDF: 5995.4/29

Left In: 200.521+/-0.955 χ^2/NDF:2111.4/22

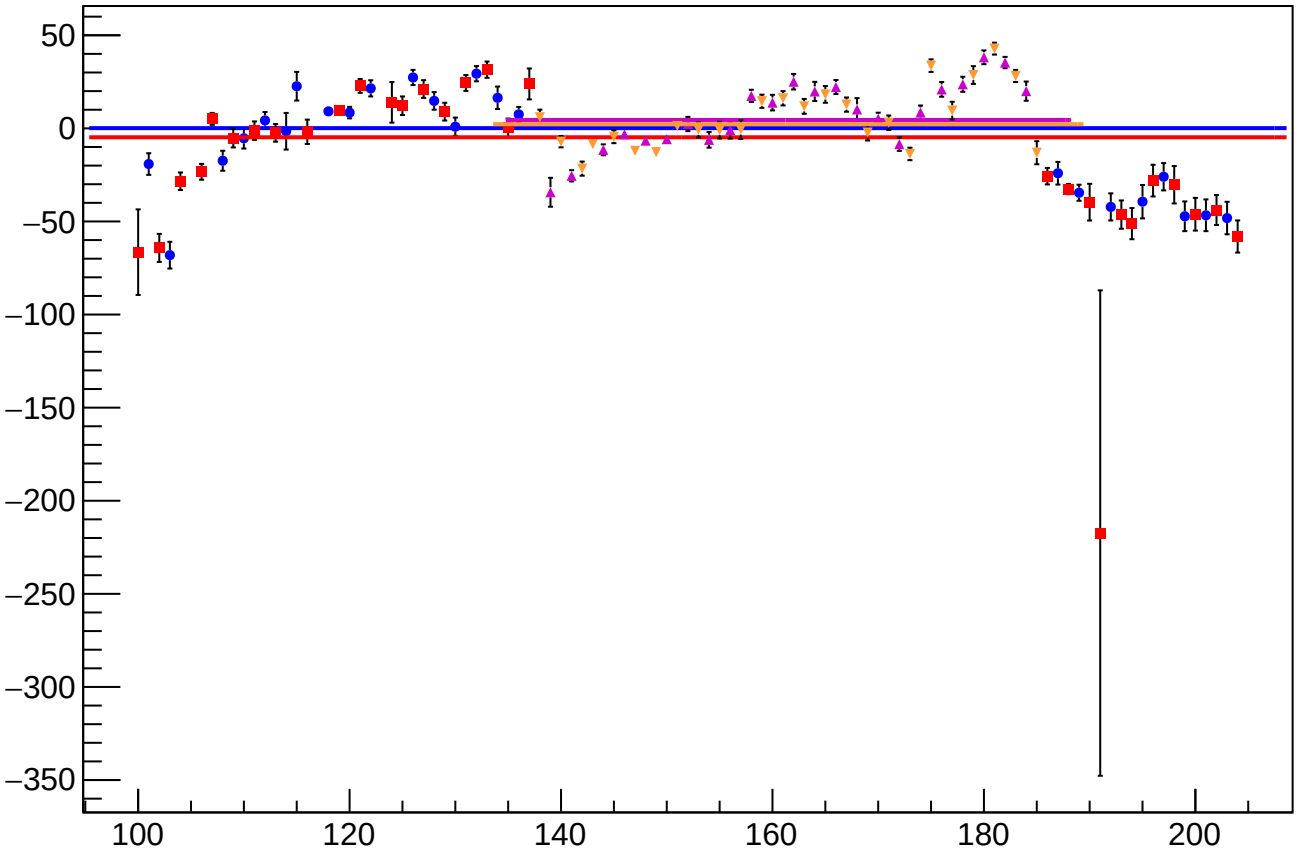
Left: 193.703+/-0.654 χ^2/NDF: 5735.7/47

Right: 190.392+/-0.629 χ^2/NDF: 8150.8/53

In: 194.203+/-0.675 χ^2/NDF:4342.2/46

Out: 190.158+/-0.612 χ^2/NDF:9537.9/54

All: 191.982+/-0.453 χ^2/NDF: 13899.8/101



Right In: 0.120+/-1.010 χ^2/NDF: 524.5/23

Left Out: 2.245+/-0.665 χ^2/NDF:600.9/24

Right Out: -4.791+/-0.922 χ^2/NDF: 689.4/29

Left In: 4.513+/-0.714 χ^2/NDF:547.1/22

Left: 3.298+/-0.486 χ^2/NDF: 1153.4/47

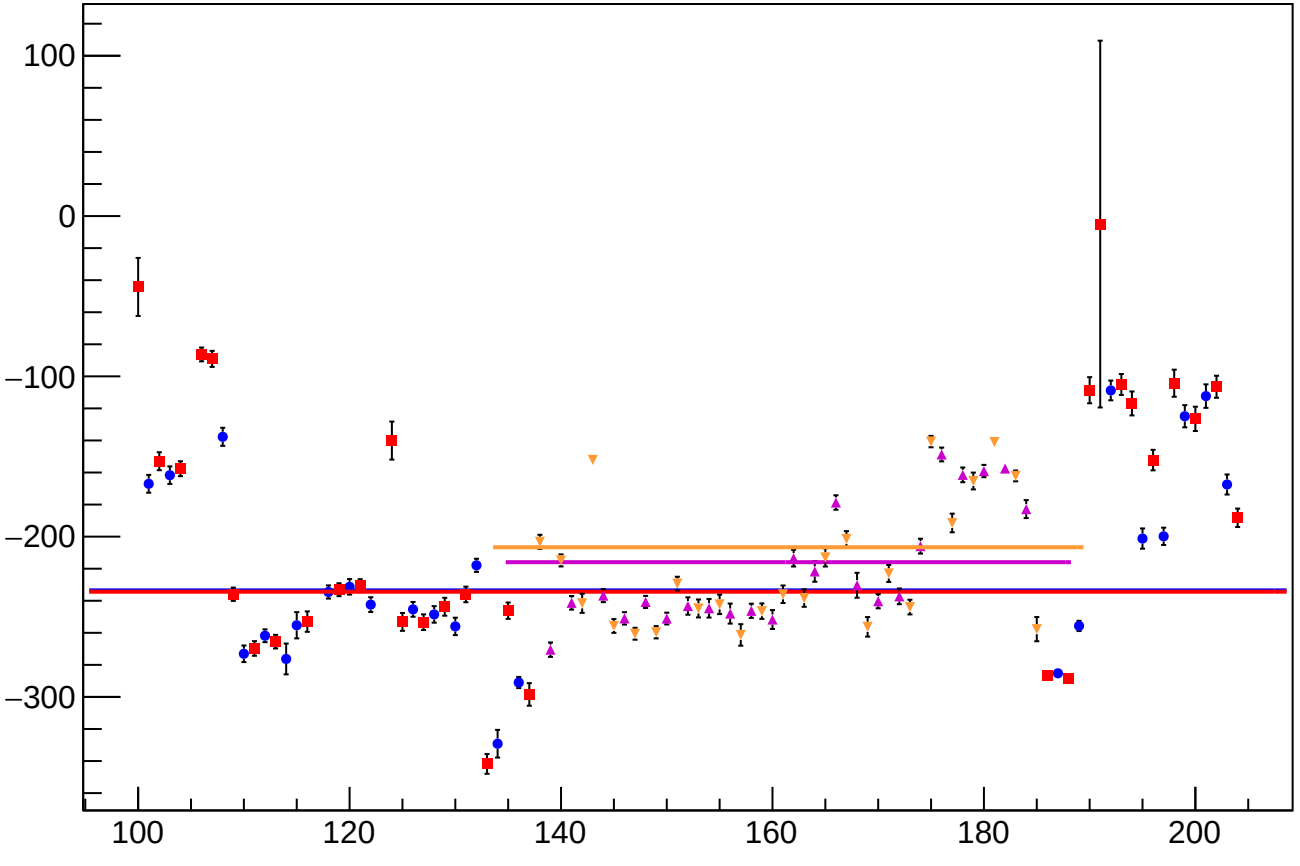
Right: -2.559+/-0.681 χ^2/NDF: 1226.8/53

In: 3.049+/-0.583 χ^2/NDF:1084.2/46

Out: -0.160+/-0.539 χ^2/NDF:1328.6/54

All: 1.319+/-0.396 χ^2/NDF: 2429.1/101

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -233.533+/-1.001 χ^2/NDF: 2620.8/23

Left Out: -206.617+/-0.895 χ^2/NDF:2467.8/24

Right Out: -234.356+/-0.844 χ^2/NDF: 6621.8/29

Left In: -215.938+/-0.946 χ^2/NDF:1711.9/22

Left: -211.017+/-0.650 χ^2/NDF: 4230.9/47

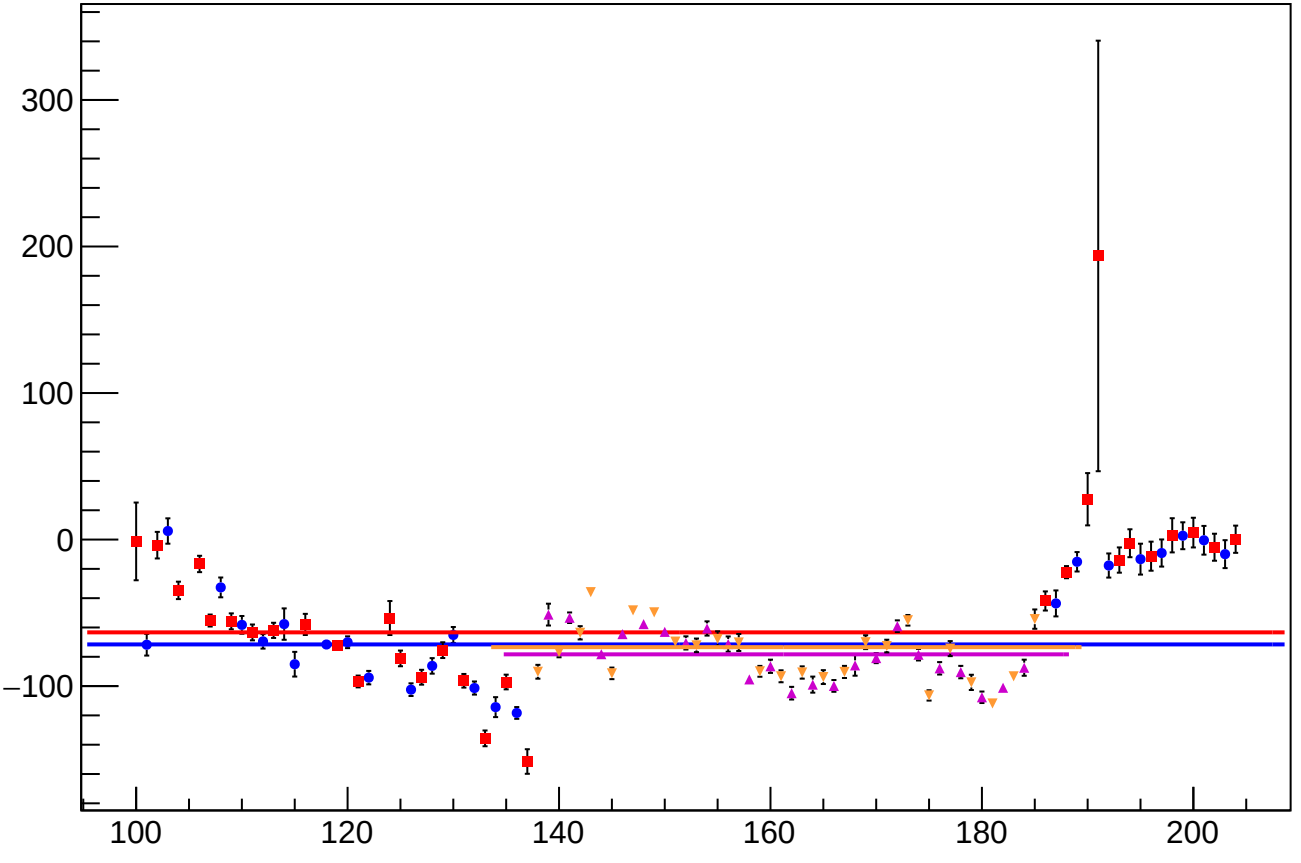
Right: -234.014+/-0.645 χ^2/NDF: 9242.9/53

In: -224.242+/-0.688 χ^2/NDF:4495.9/46

Out: -221.301+/-0.614 χ^2/NDF:9598.4/54

All: -222.606+/-0.458 χ^2/NDF: 14104.5/101

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -71.558+/-1.188 χ^2/NDF: 786.2/23

Left Out: -73.426+/-0.767 χ^2/NDF:836.6/24

Right Out: -63.333+/-1.104 χ^2/NDF: 1067.2/29

Left In: -78.329+/-0.817 χ^2/NDF:443.2/22

Left: -75.722+/-0.559 χ^2/NDF: 1298.9/47

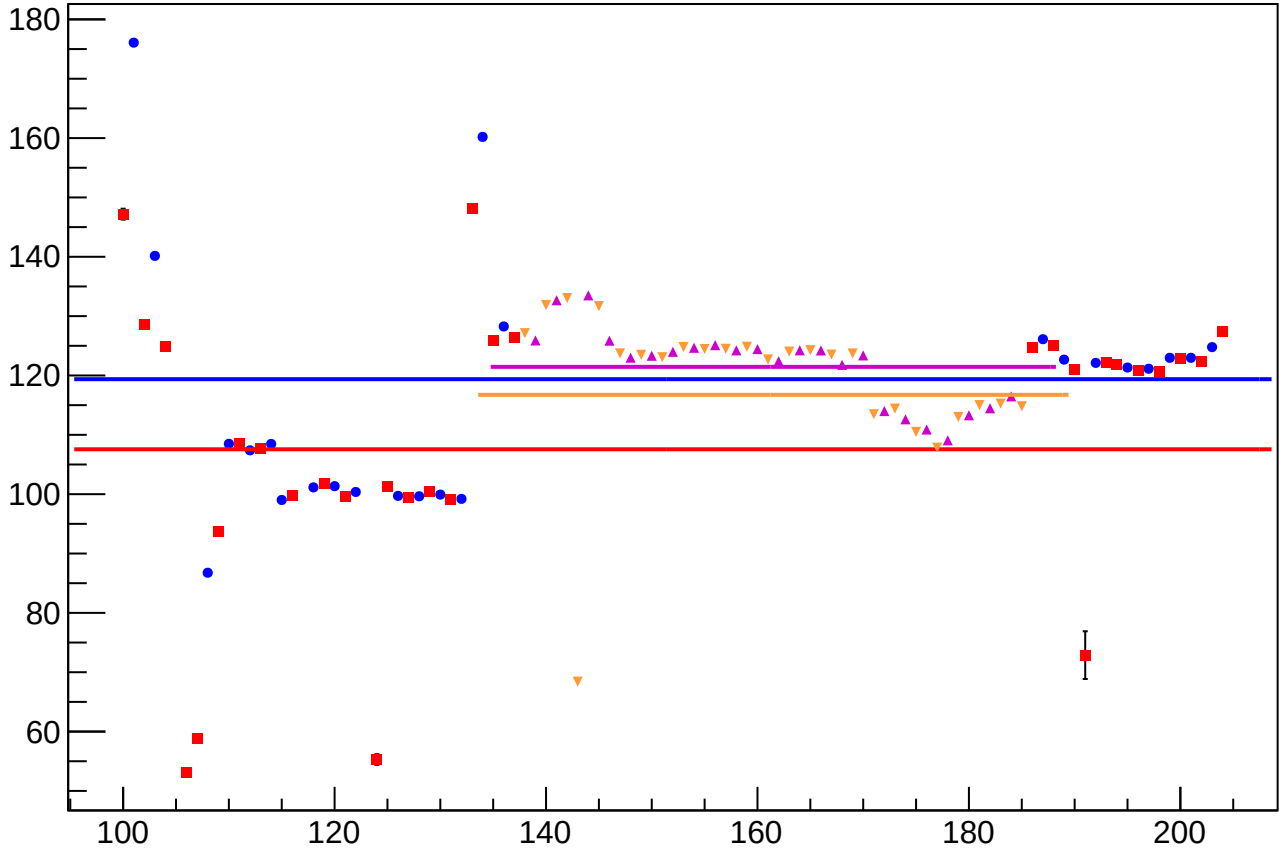
Right: -67.142+/-0.809 χ^2/NDF: 1879.1/53

In: -76.155+/-0.673 χ^2/NDF:1251.5/46

Out: -70.140+/-0.630 χ^2/NDF:1960.1/54

All: -72.946+/-0.460 χ^2/NDF: 3254.2/101

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 119.375+/-0.064 χ^2/NDF: 96938.7/23

Left Out: 116.740+/-0.036 χ^2/NDF:203650.9/24

Right Out: 107.563+/-0.057 χ^2/NDF: 204179.3/29

Left In: 121.455+/-0.037 χ^2/NDF:28796.4/22

Left: 119.004+/-0.026 χ^2/NDF: 240766.9/47

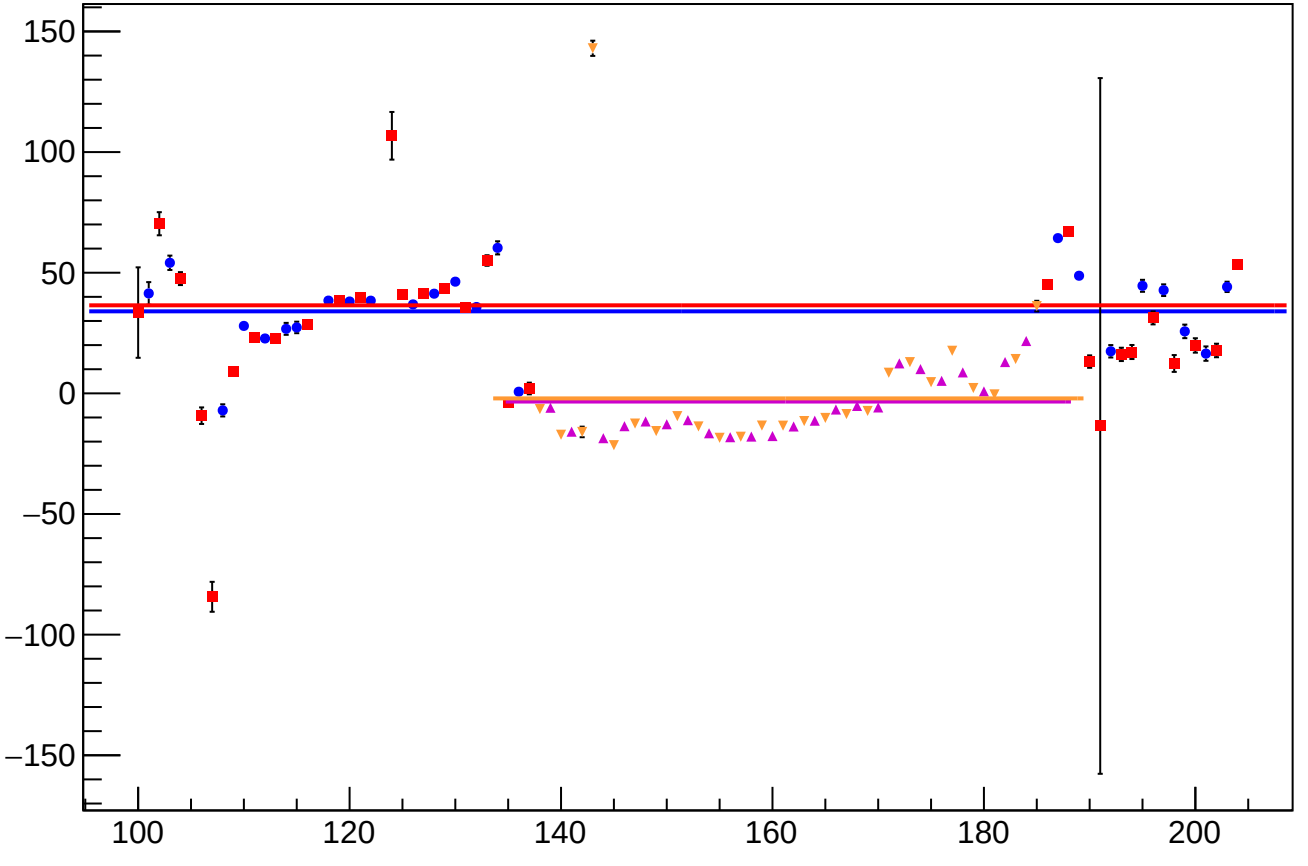
Right: 112.821+/-0.042 χ^2/NDF: 320225.7/53

In: 120.924+/-0.032 χ^2/NDF:126530.2/46

Out: 114.143+/-0.030 χ^2/NDF:426407.7/54

All: 117.335+/-0.022 χ^2/NDF: 576465.3/101

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 33.997+/-0.362 χ^2/NDF: 2289.6/23

Left Out: -2.091+/-0.267 χ^2/NDF:4201.3/24

Right Out: 36.488+/-0.312 χ^2/NDF: 4690.1/29

Left In: -3.391+/-0.271 χ^2/NDF:1752.8/22

Left: -2.730+/-0.190 χ^2/NDF: 5965.8/47

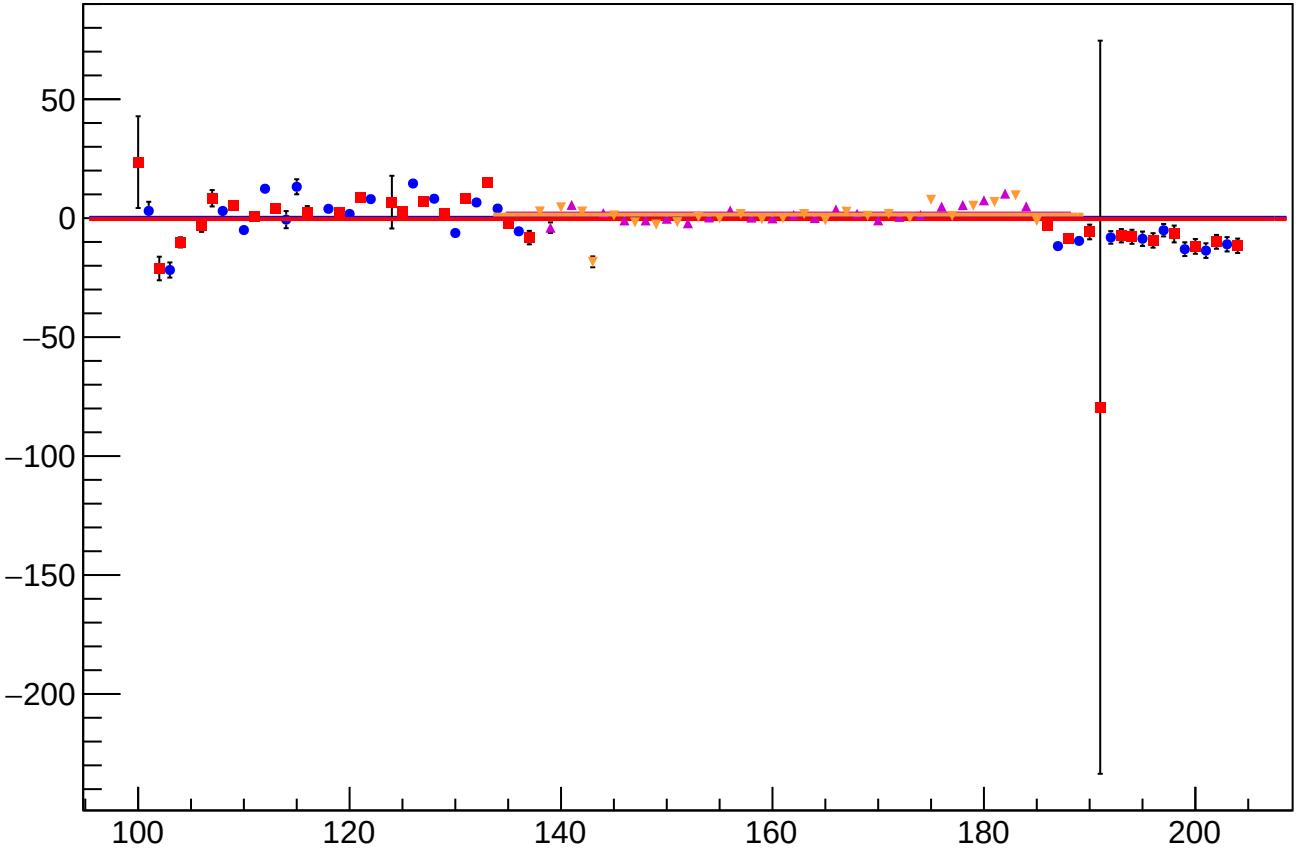
Right: 35.424+/-0.236 χ^2/NDF: 7006.9/53

In: 10.079+/-0.217 χ^2/NDF:10885.0/46

Out: 14.181+/-0.203 χ^2/NDF:17712.7/54

All: 12.268+/-0.148 χ^2/NDF: 28788.5/101

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.150+/-0.392 χ^2/NDF: 439.0/23

Left Out: 1.489+/-0.205 χ^2/NDF:328.6/24

Right Out: -0.382+/-0.362 χ^2/NDF: 388.5/29

Left In: 1.933+/-0.210 χ^2/NDF:240.7/22

Left: 1.705+/-0.147 χ^2/NDF: 571.5/47

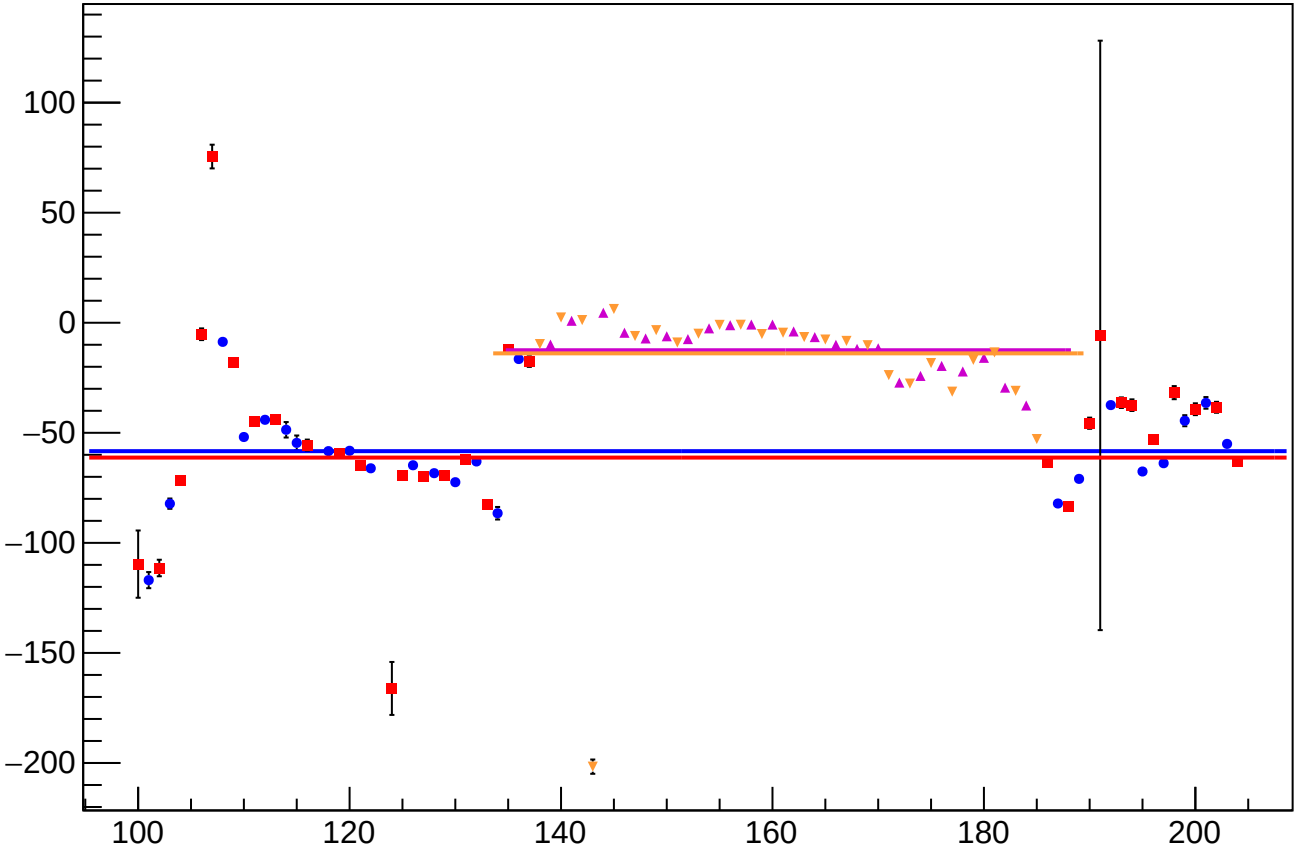
Right: -0.137+/-0.266 χ^2/NDF: 828.5/53

In: 1.534+/-0.185 χ^2/NDF:695.8/46

Out: 1.034+/-0.178 χ^2/NDF:737.3/54

All: 1.275+/-0.129 χ^2/NDF: 1436.8/101

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -58.337+/-0.376 χ^2/NDF: 3326.9/23

Left Out: -13.908+/-0.265 χ^2/NDF:5128.3/24

Right Out: -61.255+/-0.308 χ^2/NDF: 5464.0/29

Left In: -12.494+/-0.269 χ^2/NDF:1430.3/22

Left: -13.212+/-0.189 χ^2/NDF: 6572.6/47

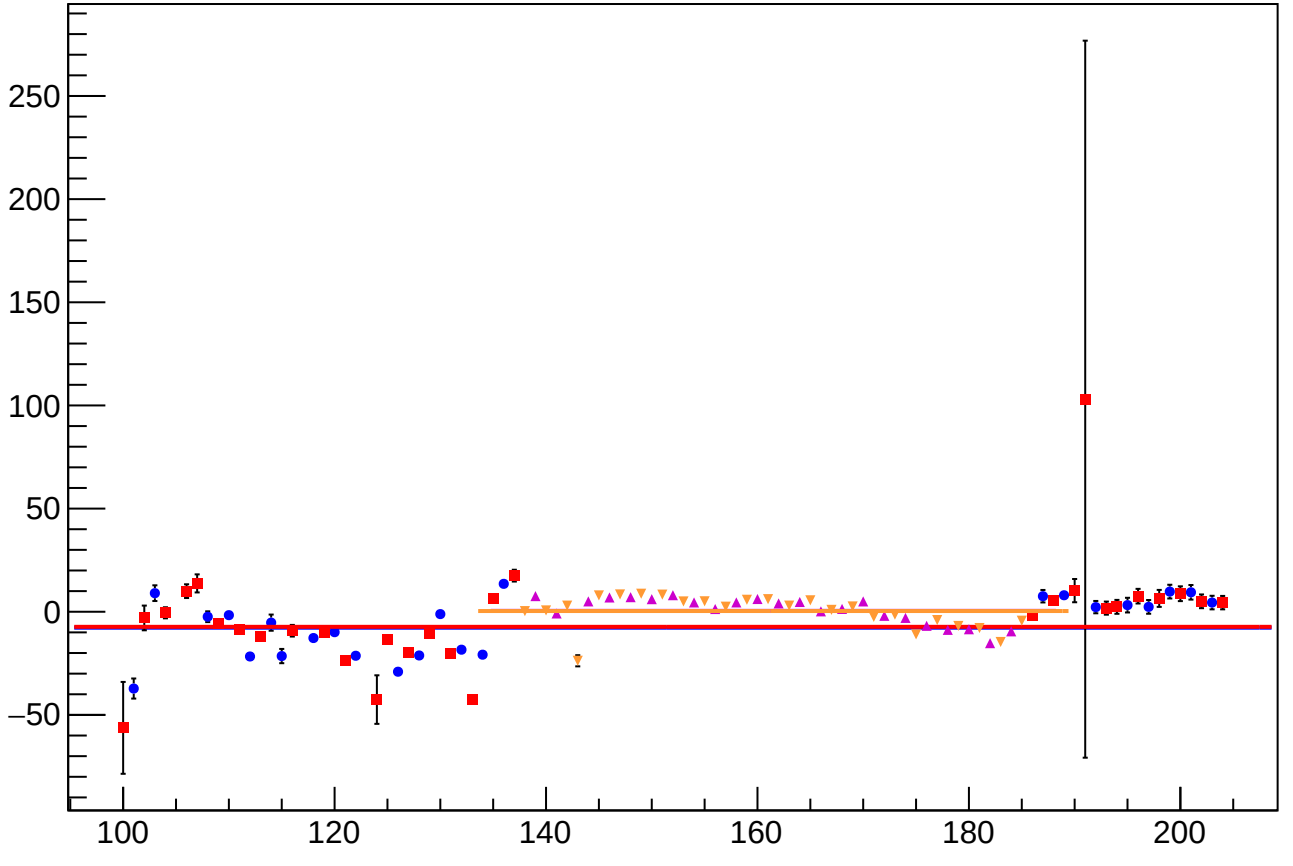
Right: -60.082+/-0.238 χ^2/NDF: 8827.0/53

In: -28.014+/-0.219 χ^2/NDF:14611.8/46

Out: -34.024+/-0.201 χ^2/NDF:24185.3/54

All: -31.274+/-0.148 χ^2/NDF: 39207.3/101

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -7.723+/-0.459 χ^2/NDF: 866.4/23

Left Out: 0.345+/-0.231 χ^2/NDF:921.9/24

Right Out: -7.306+/-0.437 χ^2/NDF: 914.1/29

Left In: 0.433+/-0.237 χ^2/NDF:782.1/22

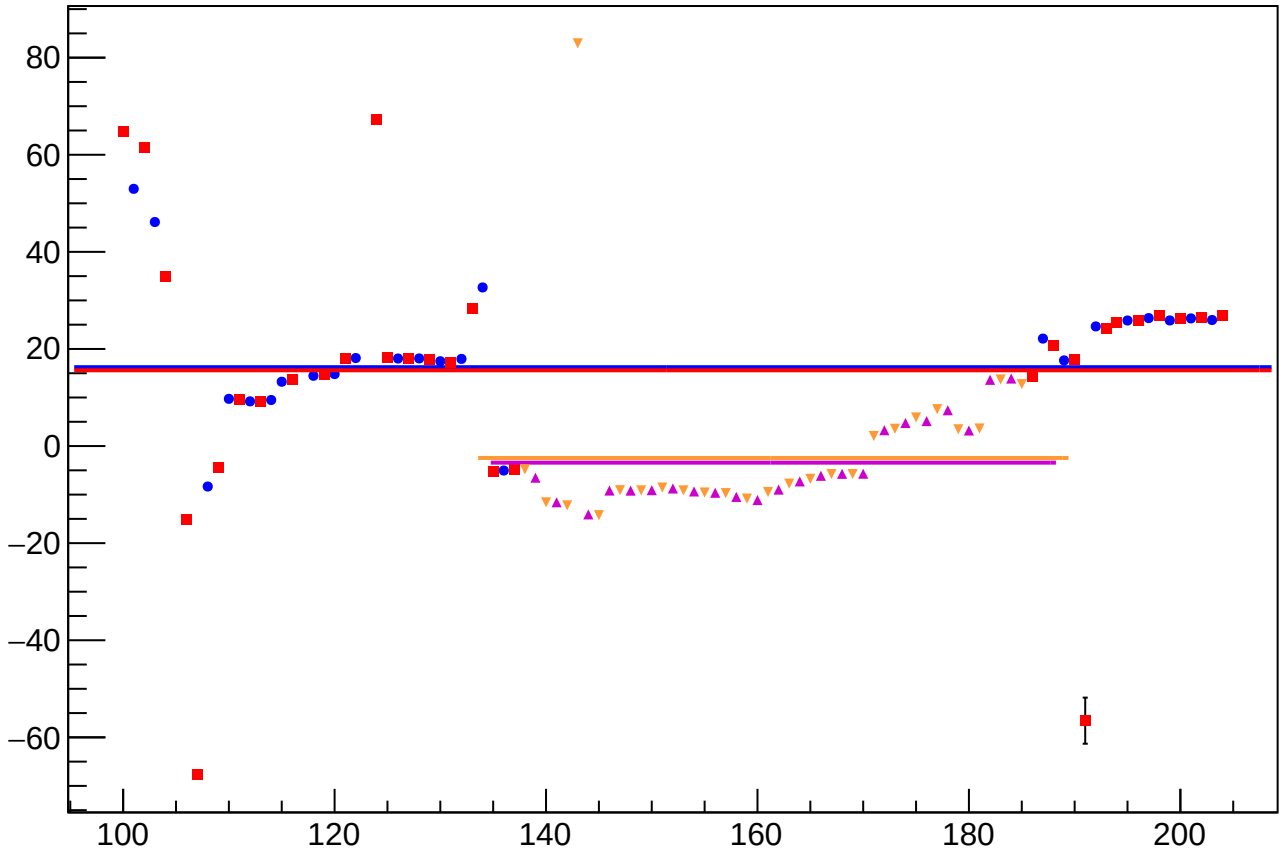
Left: 0.388+/-0.165 χ^2/NDF: 1704.0/47

Right: -7.505+/-0.316 χ^2/NDF: 1780.9/53

In: -1.282+/-0.210 χ^2/NDF:1898.2/46

Out: -1.332+/-0.204 χ^2/NDF:2075.8/54

All: -1.308+/-0.147 χ^2/NDF: 3974.0/101



Right In: 16.242+/-0.024 χ^2/NDF: 428187.6/23

Left Out: -2.452+/-0.010 χ^2/NDF:961833.3/24

Right Out: 15.607+/-0.023 χ^2/NDF: 553609.9/29

Left In: -3.418+/-0.010 χ^2/NDF:546802.2/22

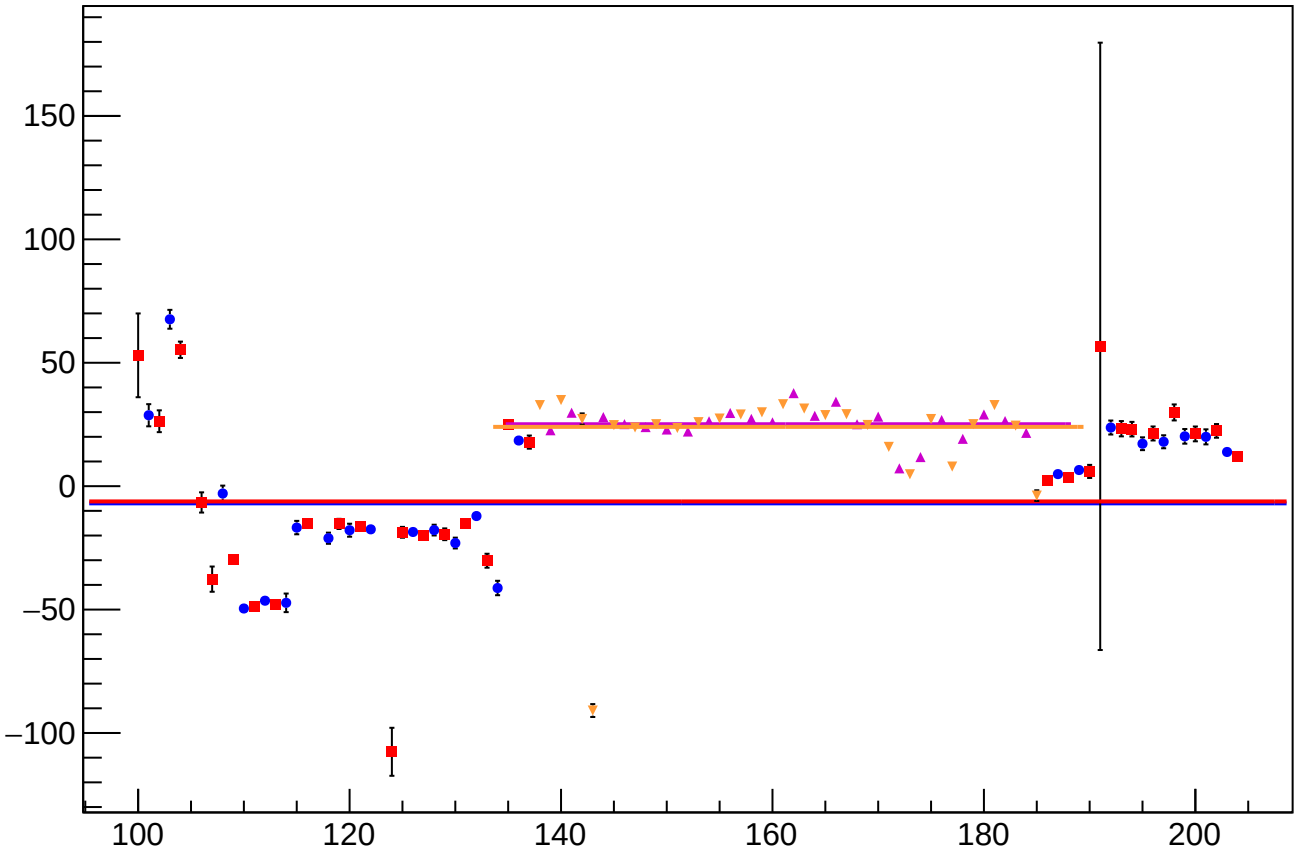
Left: -2.931+/-0.007 χ^2/NDF: 1512952.8/47

Right: 15.915+/-0.016 χ^2/NDF: 982167.9/53

In: -0.214+/-0.010 χ^2/NDF:1552910.7/46

Out: 0.593+/-0.009 χ^2/NDF:2028550.6/54

All: 0.194+/-0.007 χ^2/NDF: 3585074.1/101



Right In: -6.957+/-0.452 χ^2/NDF: 3024.0/23

Left Out: 24.025+/-0.282 χ^2/NDF:2802.2/24

Right Out: -6.182+/-0.401 χ^2/NDF: 3463.7/29

Left In: 25.089+/-0.287 χ^2/NDF:495.3/22

Left: 24.547+/-0.201 χ^2/NDF: 3304.5/47

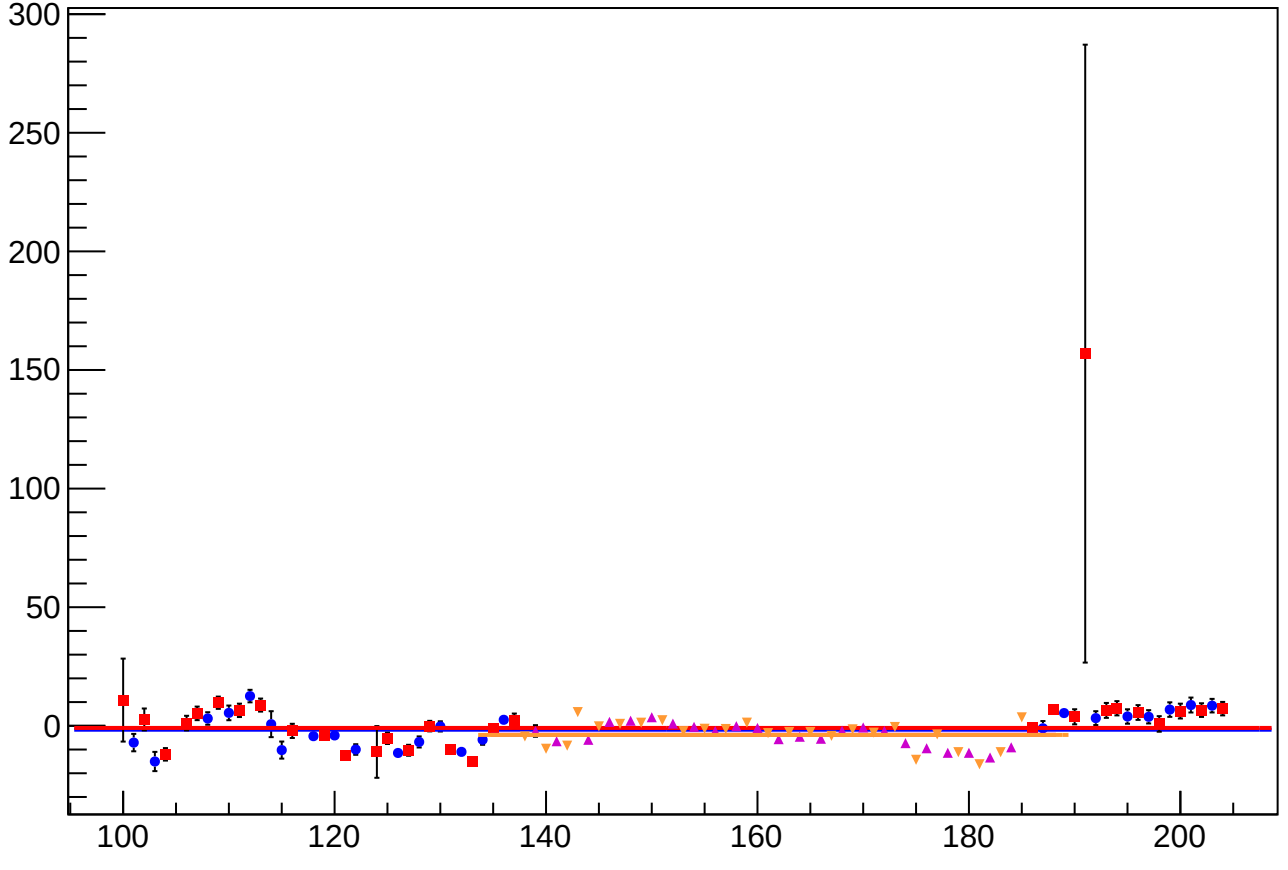
Right: -6.522+/-0.300 χ^2/NDF: 6489.3/53

In: 15.885+/-0.242 χ^2/NDF:7094.7/46

Out: 14.020+/-0.231 χ^2/NDF:10065.8/54

All: 14.906+/-0.167 χ^2/NDF: 17191.6/101

reg_asym_at1_dd_at2_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -1.643+/-0.483 χ^2/NDF: 189.6/23

Left Out: -3.845+/-0.218 χ^2/NDF:649.4/24

Right Out: -0.893+/-0.453 χ^2/NDF: 256.8/29

Left In: -3.780+/-0.224 χ^2/NDF:509.8/22

Left: -3.813+/-0.156 χ^2/NDF: 1159.2/47

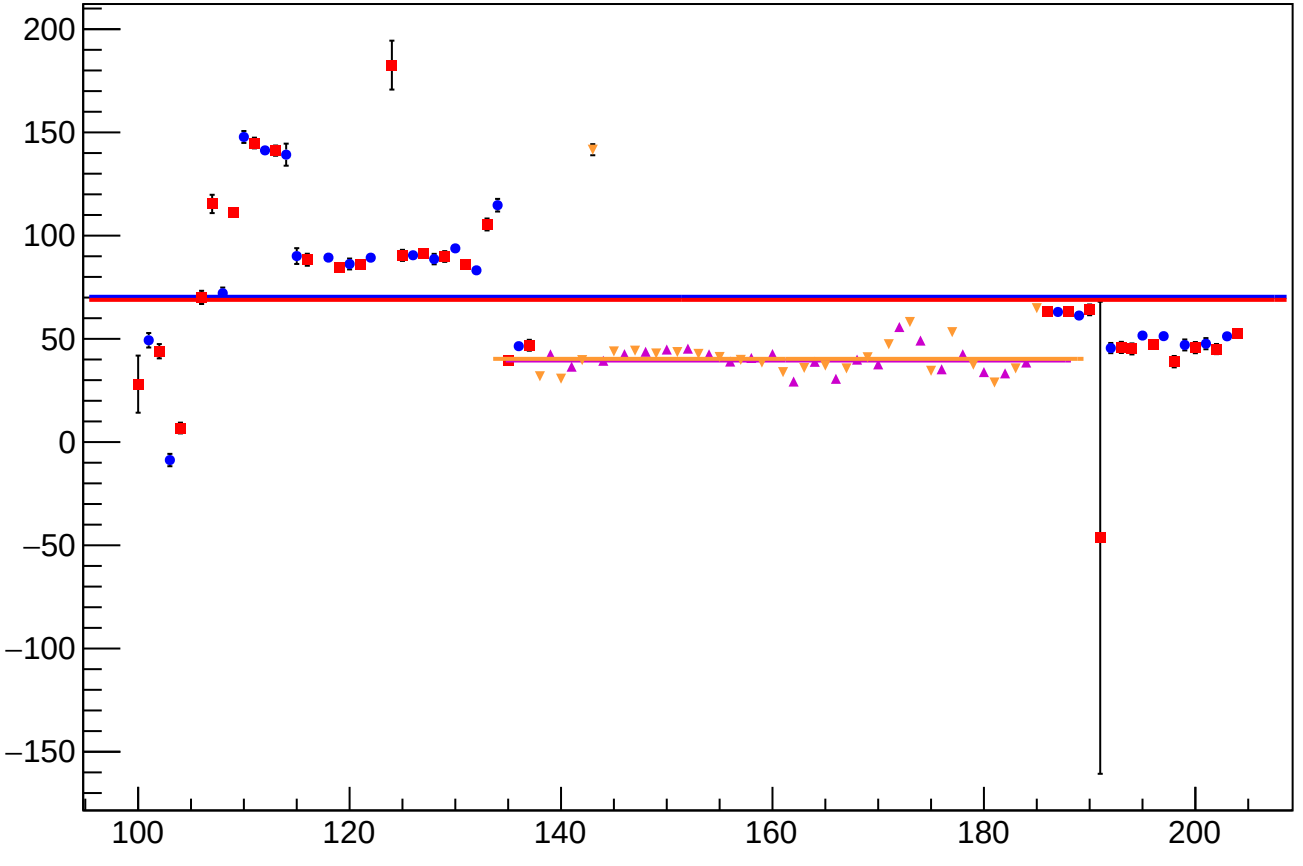
Right: -1.245+/-0.330 χ^2/NDF: 447.7/53

In: -3.402+/-0.203 χ^2/NDF:715.6/46

Out: -3.292+/-0.196 χ^2/NDF:940.6/54

All: -3.345+/-0.141 χ^2/NDF: 1656.4/101

reg_asym_at1_dd_at2_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 70.380+/-0.466 χ^2/NDF: 4087.0/23

Left Out: 40.315+/-0.280 χ^2/NDF:2182.8/24

Right Out: 68.887+/-0.398 χ^2/NDF: 4485.3/29

Left In: 39.504+/-0.285 χ^2/NDF:432.1/22

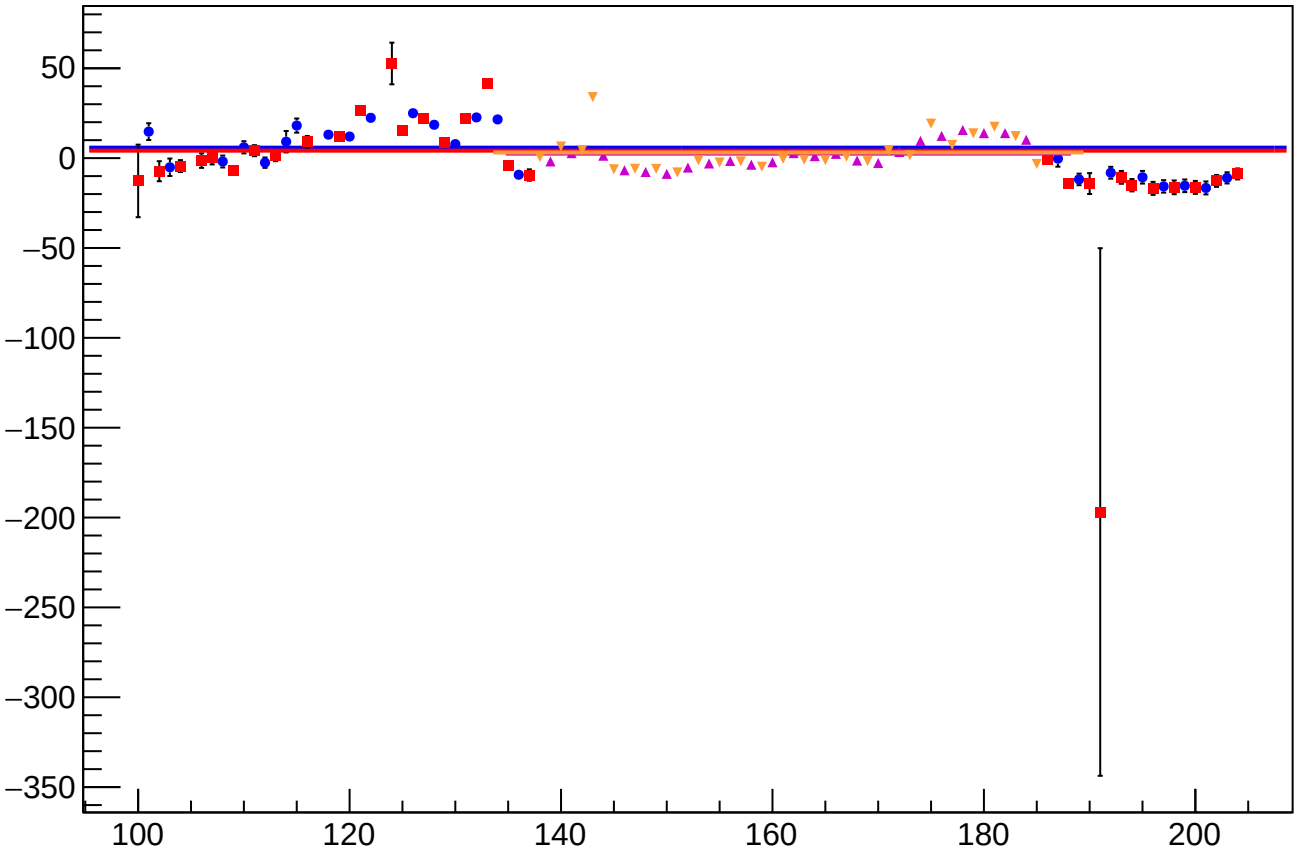
Left: 39.916+/-0.200 χ^2/NDF: 2619.0/47

Right: 69.516+/-0.303 χ^2/NDF: 8578.2/53

In: 47.890+/-0.243 χ^2/NDF:7713.0/46

Out: 49.779+/-0.229 χ^2/NDF:10113.4/54

All: 48.890+/-0.167 χ^2/NDF: 17858.5/101



Right In: 5.826+/-0.558 χ^2/NDF: 626.5/23

Left Out: 3.142+/-0.245 χ^2/NDF:1267.0/24

Right Out: 4.164+/-0.538 χ^2/NDF: 840.6/29

Left In: 2.519+/-0.251 χ^2/NDF:968.2/22

Left: 2.837+/-0.175 χ^2/NDF: 2238.3/47

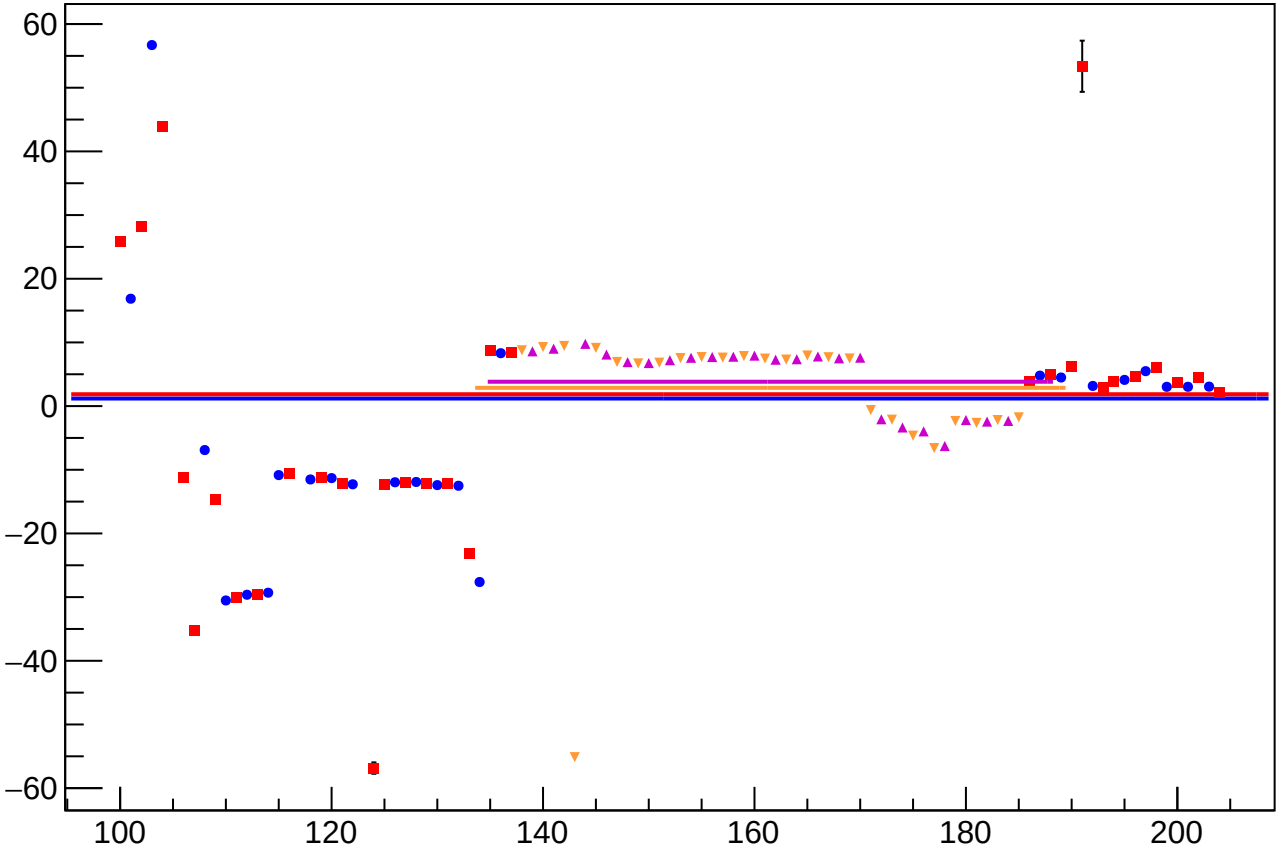
Right: 4.965+/-0.387 χ^2/NDF: 1471.7/53

In: 3.075+/-0.229 χ^2/NDF:1623.9/46

Out: 3.318+/-0.223 χ^2/NDF:2110.6/54

All: 3.200+/-0.160 χ^2/NDF: 3735.1/101

reg_asym_at1_dd_at2_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 1.187+/-0.027 χ^2/NDF: 375137.0/23

Left Out: 2.870+/-0.011 χ^2/NDF:512331.0/24

Right Out: 1.863+/-0.026 χ^2/NDF: 326109.0/29

Left In: 3.825+/-0.011 χ^2/NDF:233224.7/22

Left: 3.343+/-0.008 χ^2/NDF: 749294.8/47

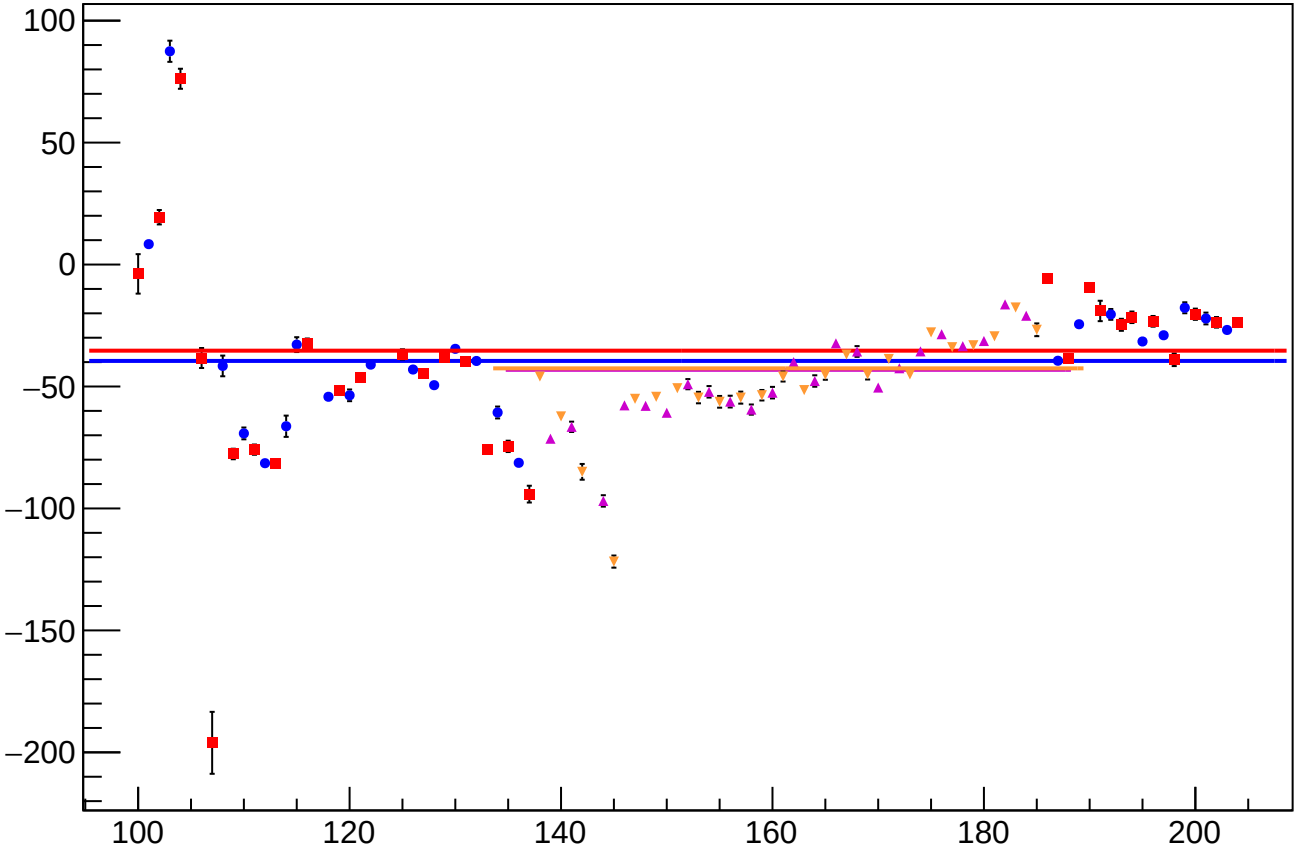
Right: 1.537+/-0.019 χ^2/NDF: 701569.6/53

In: 3.444+/-0.010 χ^2/NDF:616521.5/46

Out: 2.719+/-0.010 χ^2/NDF:839703.1/54

All: 3.076+/-0.007 χ^2/NDF: 1458753.4/101

reg_asym_usl_atl1_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -39.514+/-0.410 χ^2/NDF: 3416.8/23

Left Out: -42.560+/-0.378 χ^2/NDF:2326.4/23

Right Out: -35.311+/-0.353 χ^2/NDF: 5225.2/28

Left In: -43.152+/-0.382 χ^2/NDF:2206.6/22

Left: -42.854+/-0.269 χ^2/NDF: 4534.2/46

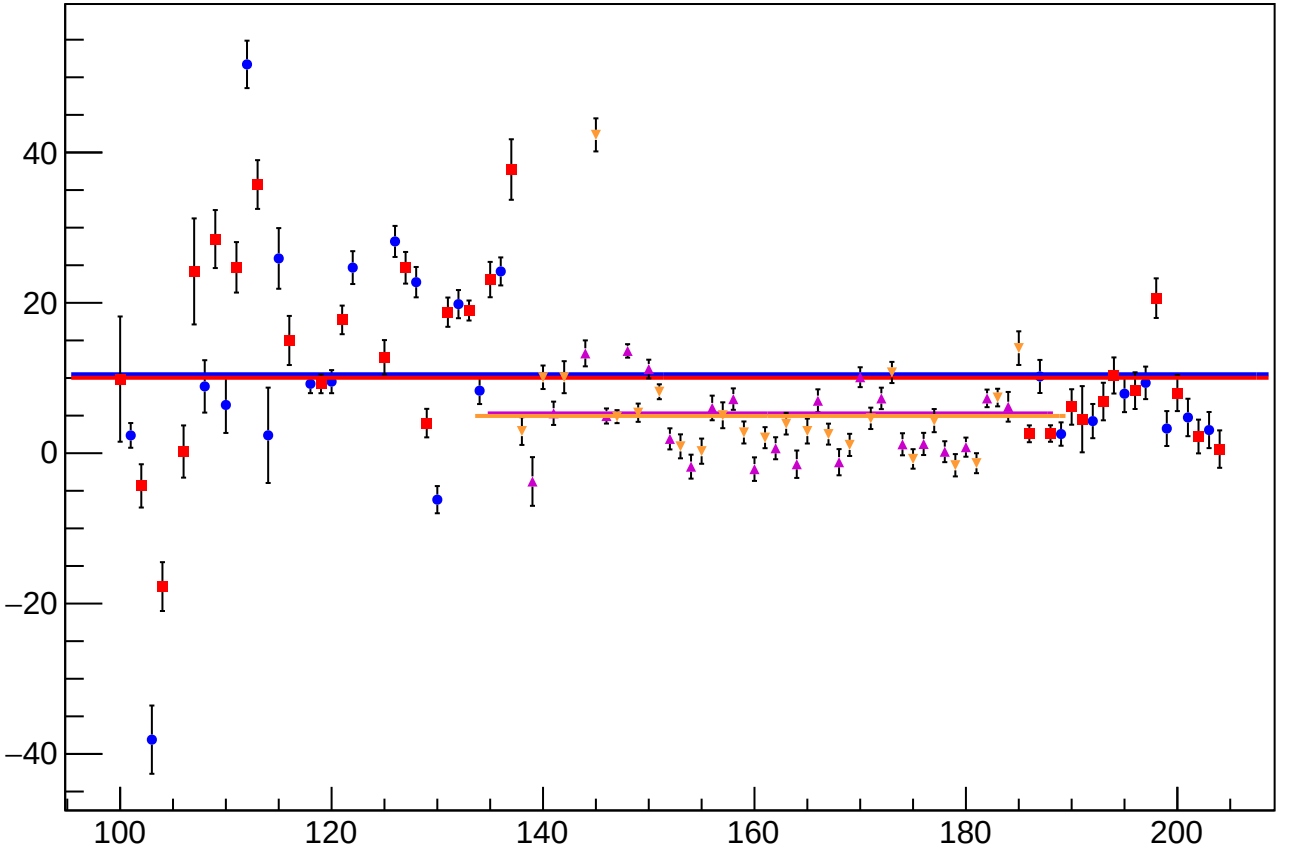
Right: -37.101+/-0.268 χ^2/NDF: 8702.2/52

In: -41.466+/-0.279 χ^2/NDF:5665.6/46

Out: -38.690+/-0.258 χ^2/NDF:7747.7/52

All: -39.969+/-0.190 χ^2/NDF: 13466.5/99

reg_asym_usl_atl1_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 10.499+/-0.429 χ^2/NDF: 705.8/23

Left Out: 4.954+/-0.288 χ^2/NDF:449.1/23

Right Out: 10.034+/-0.395 χ^2/NDF: 577.1/28

Left In: 5.292+/-0.294 χ^2/NDF:286.4/22

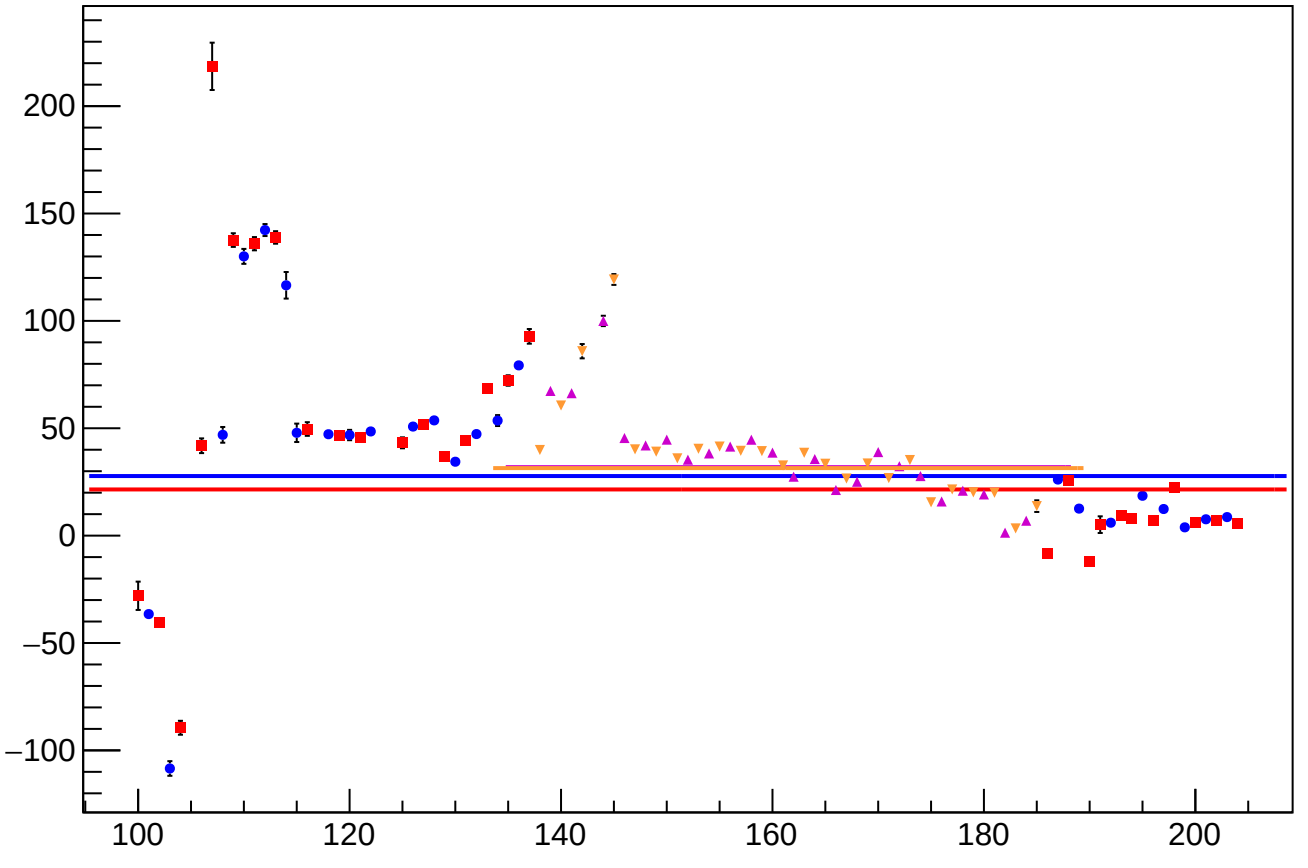
Left: 5.120+/-0.206 χ^2/NDF: 736.1/46

Right: 10.247+/-0.291 χ^2/NDF: 1283.4/52

In: 6.957+/-0.243 χ^2/NDF:1092.3/46

Out: 6.722+/-0.233 χ^2/NDF:1134.0/52

All: 6.835+/-0.168 χ^2/NDF: 2226.8/99



Right In: 27.745+/-0.402 χ^2/NDF: 8556.2/23

Left Out: 31.439+/-0.376 χ^2/NDF:2762.0/23

Right Out: 21.503+/-0.330 χ^2/NDF: 11319.1/28

Left In: 31.895+/-0.378 χ^2/NDF:2767.3/22

Left: 31.665+/-0.266 χ^2/NDF: 5530.0/46

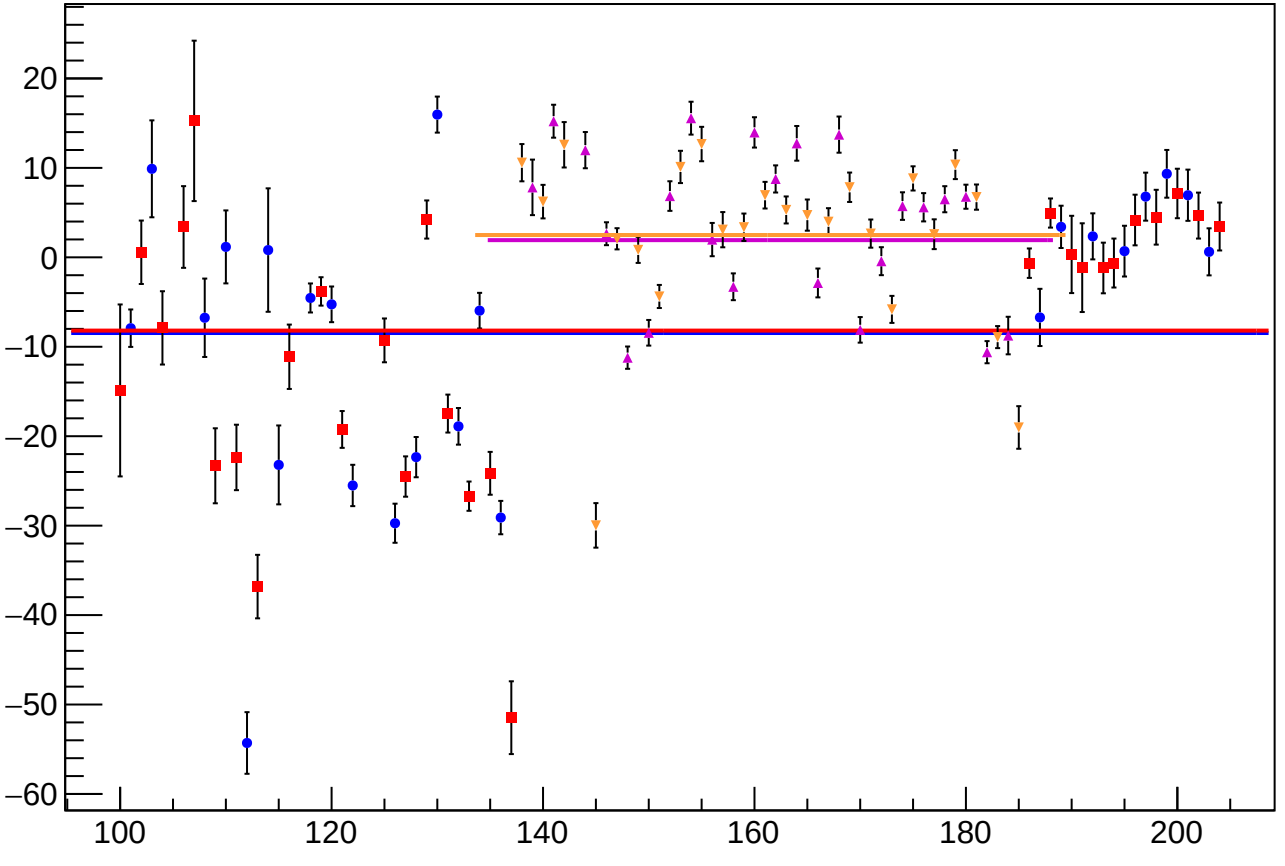
Right: 24.022+/-0.255 χ^2/NDF: 20019.3/52

In: 29.946+/-0.275 χ^2/NDF:11380.1/46

Out: 25.838+/-0.248 χ^2/NDF:14475.7/52

All: 27.678+/-0.184 χ^2/NDF: 25978.6/99

reg_asym_usl_atl1_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -8.462+/-0.508 χ^2/NDF: 870.6/23

Left Out: 2.494+/-0.327 χ^2/NDF:558.7/23

Right Out: -8.192+/-0.482 χ^2/NDF: 757.6/28

Left In: 1.921+/-0.332 χ^2/NDF:678.8/22

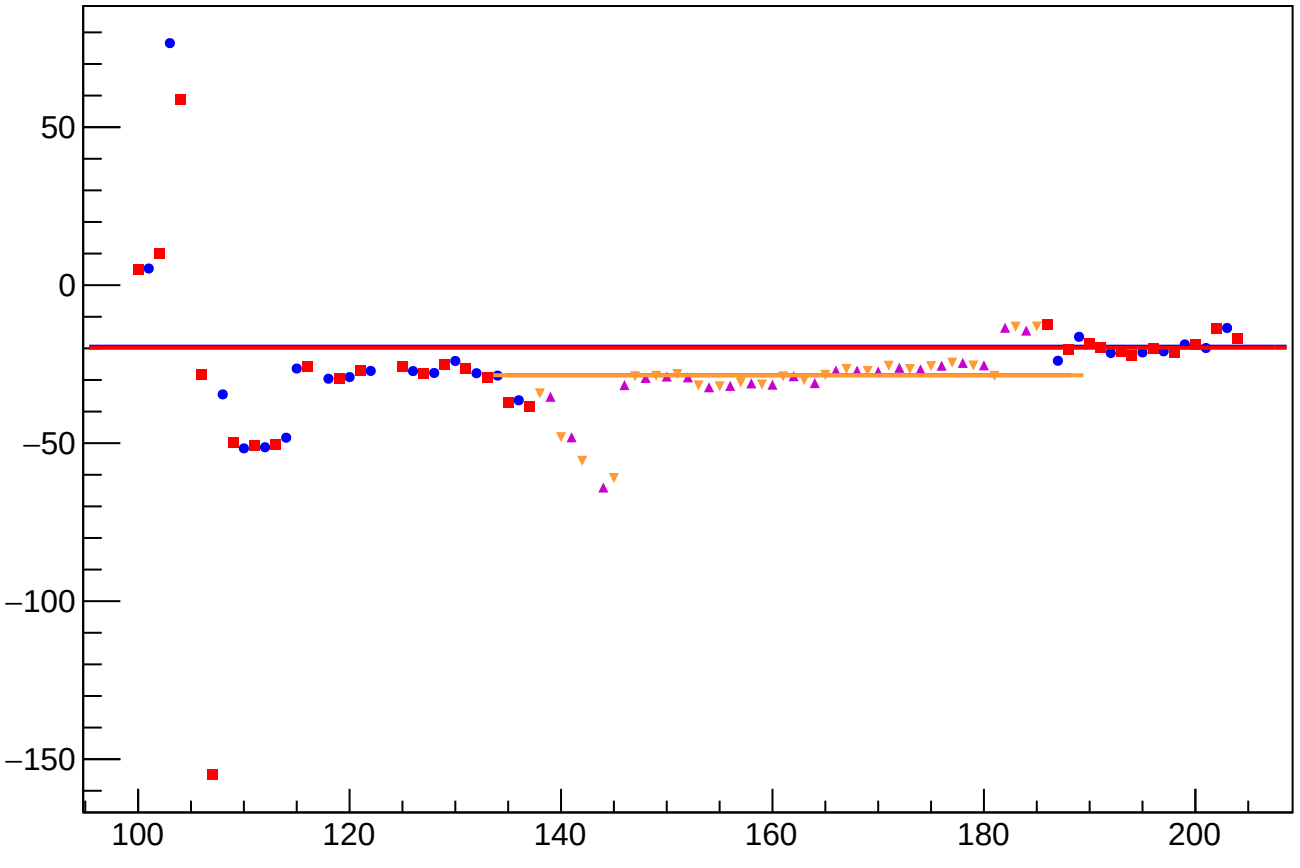
Left: 2.212+/-0.233 χ^2/NDF: 1239.1/46

Right: -8.320+/-0.350 χ^2/NDF: 1628.3/52

In: -1.188+/-0.278 χ^2/NDF:1842.3/46

Out: -0.866+/-0.271 χ^2/NDF:1652.7/52

All: -1.023+/-0.194 χ^2/NDF: 3495.7/99



Right In: -19.465+/-0.024 χ^2/NDF: 653851.1/23

Left Out: -28.513+/-0.015 χ^2/NDF:333774.3/23

Right Out: -19.804+/-0.023 χ^2/NDF: 562359.1/28

Left In: -28.495+/-0.015 χ^2/NDF:287757.4/22

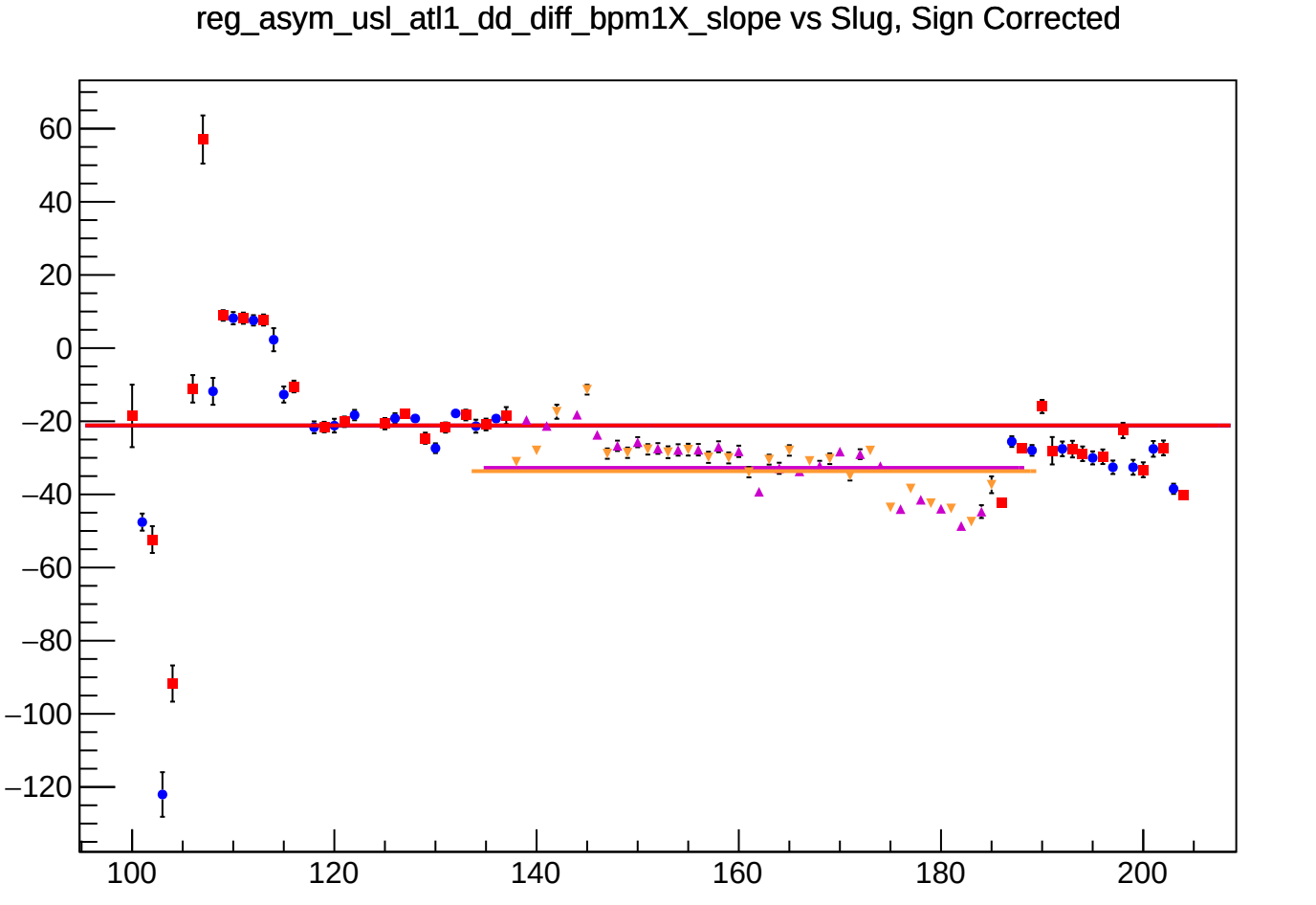
Left: -28.504+/-0.010 χ^2/NDF: 621532.4/46

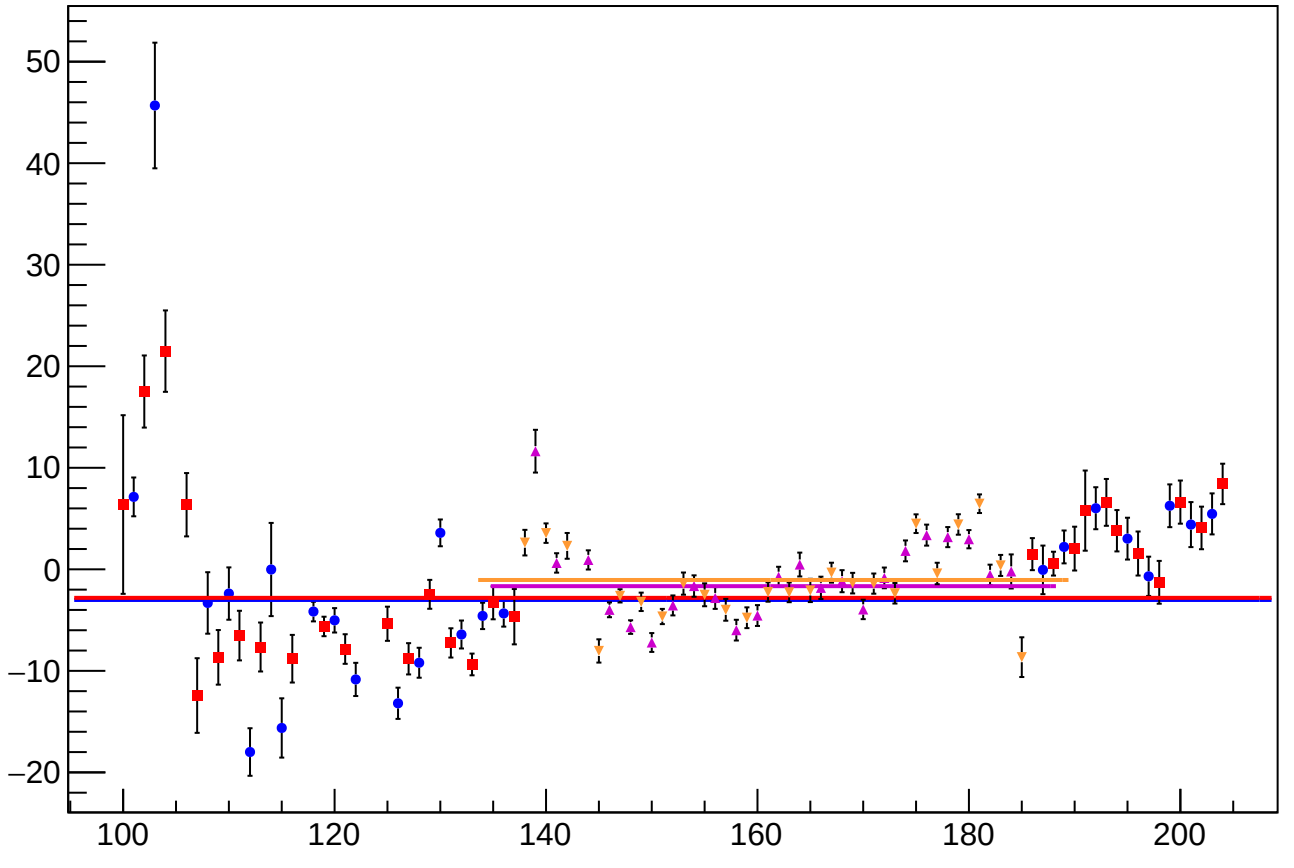
Right: -19.644+/-0.016 χ^2/NDF: 1216315.3/52

In: -26.004+/-0.013 χ^2/NDF:1044205.5/46

Out: -25.920+/-0.012 χ^2/NDF:999707.7/52

All: -25.961+/-0.009 χ^2/NDF: 2043935.4/99


reg_asym_usl_atl1_dd_diff_bpm1X_slope vs Slug, Sign Corrected
60
40
20
0
−20
−40
−60
−80
−100
−120
100
120
140
160
180
200
Right In: -21.179+/-0.335 χ²/NDF: 1535.2/23
Left Out: -33.643+/-0.265 χ²/NDF:1015.9/23
Right Out: -21.138+/-0.309 χ²/NDF: 2320.7/28
Left In: -32.750+/-0.269 χ²/NDF:1143.5/22
Left: -33.202+/-0.189 χ²/NDF: 2165.0/46
Right: -21.157+/-0.227 χ²/NDF: 3855.9/52
In: -28.229+/-0.210 χ²/NDF:3404.0/46
Out: -28.339+/-0.201 χ²/NDF:4280.1/52
All: -28.287+/-0.145 χ²/NDF: 7684.2/99



Right In: -3.017+/-0.350 χ^2/NDF: 361.6/23

Left Out: -1.050+/-0.203 χ^2/NDF:289.4/23

Right Out: -2.809+/-0.340 χ^2/NDF: 308.9/28

Left In: -1.659+/-0.207 χ^2/NDF:264.4/22

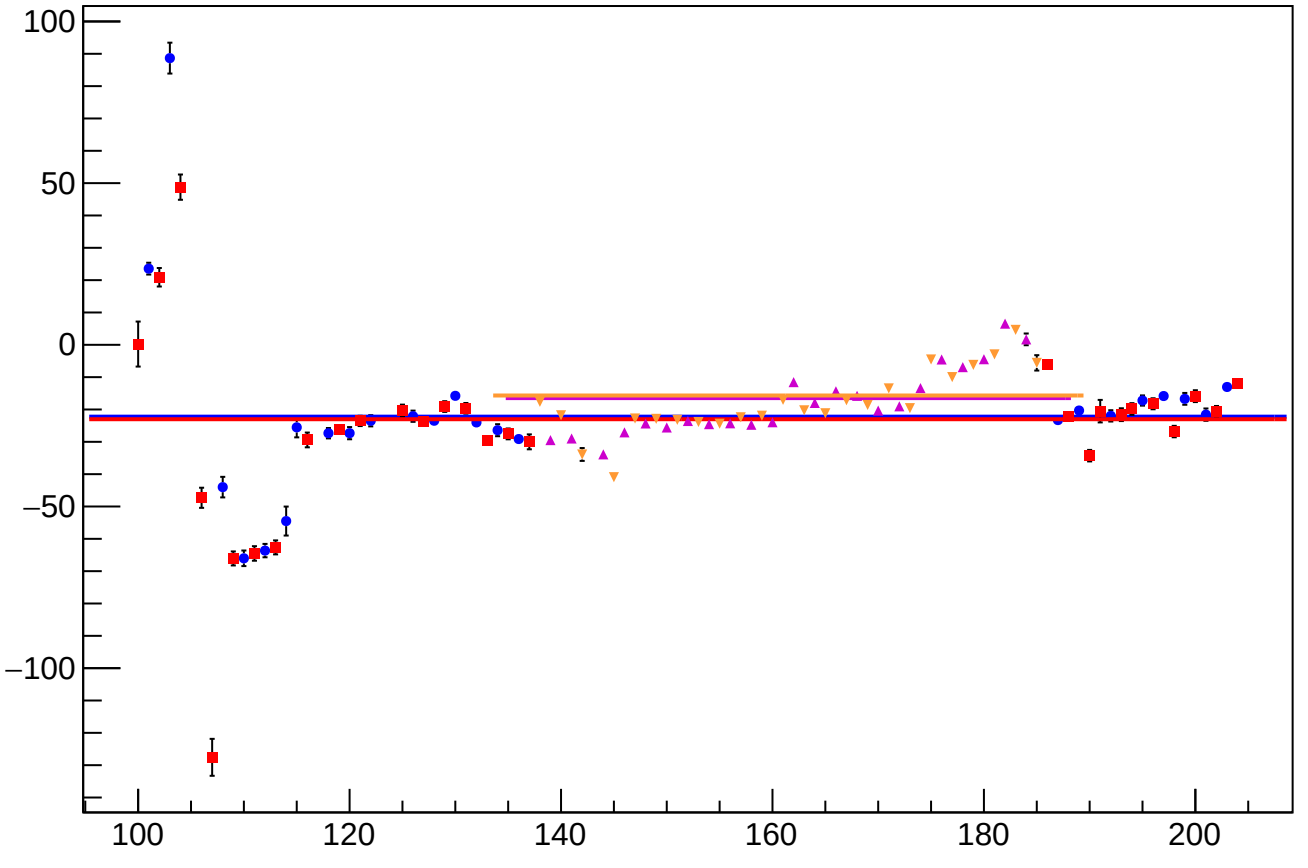
Left: -1.349+/-0.145 χ^2/NDF: 558.2/46

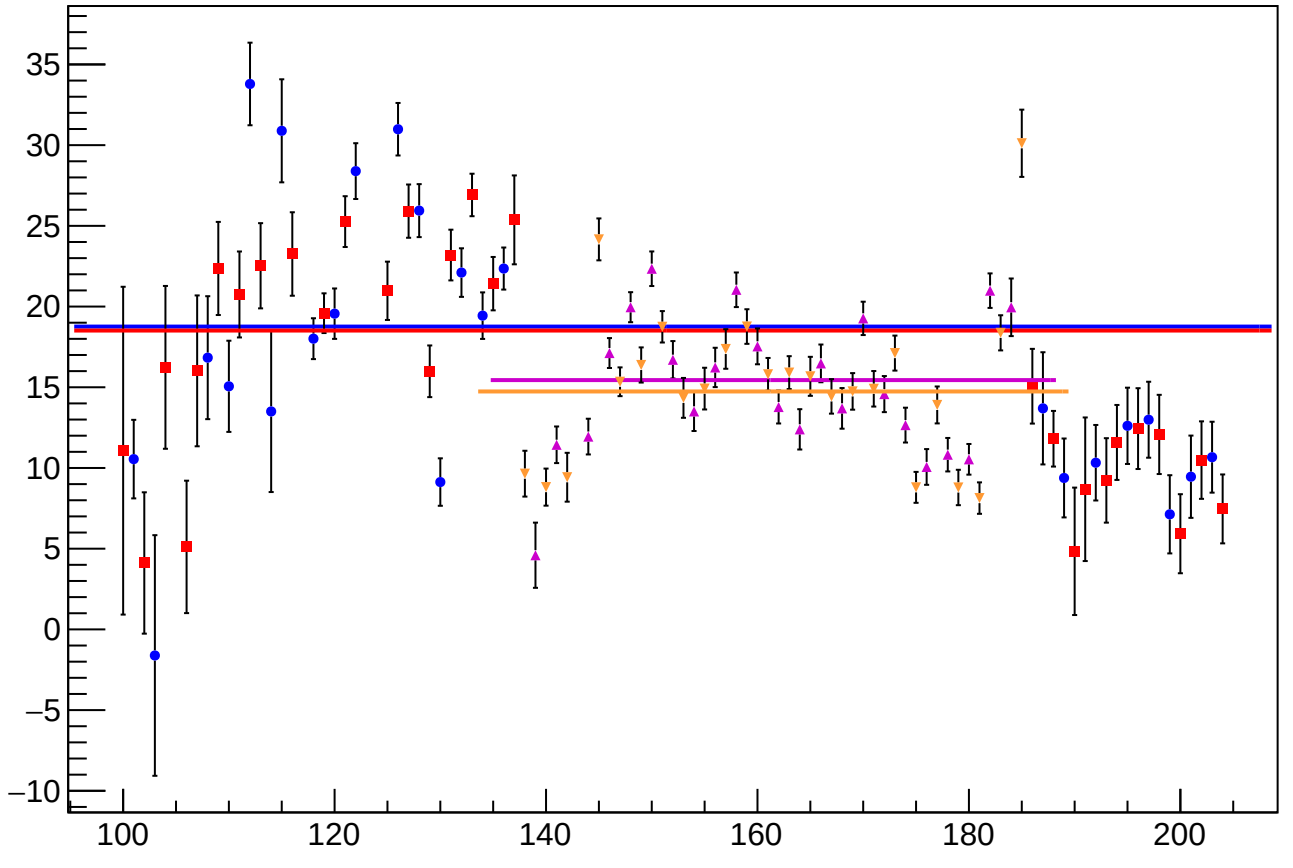
Right: -2.910+/-0.244 χ^2/NDF: 670.7/52

In: -2.010+/-0.178 χ^2/NDF:637.1/46

Out: -1.512+/-0.174 χ^2/NDF:618.1/52

All: -1.756+/-0.124 χ^2/NDF: 1259.2/99


reg_asym_usl_atl1_dd_diff_bpm4eX_slope vs Slug, Sign Corrected
100
50
0
−50
−100
100
120
140
160
180
200
Right In: -22.218+/-0.345 χ²/NDF: 2162.1/23
Left Out: -15.674+/-0.263 χ²/NDF:1520.8/23
Right Out: -23.009+/-0.309 χ²/NDF: 2545.4/28
Left In: -16.480+/-0.266 χ²/NDF:1697.7/22
Left: -16.072+/-0.187 χ²/NDF: 3223.1/46
Right: -22.656+/-0.230 χ²/NDF: 4710.5/52
In: -18.616+/-0.211 χ²/NDF:4033.1/46
Out: -18.751+/-0.200 χ²/NDF:4392.3/52
All: -18.687+/-0.145 χ²/NDF: 8425.7/99



Right In: 18.760+/-0.405 χ^2/NDF: 326.5/23

Left Out: 14.740+/-0.229 χ^2/NDF:331.0/23

Right Out: 18.514+/-0.401 χ^2/NDF: 266.1/28

Left In: 15.444+/-0.233 χ^2/NDF:290.4/22

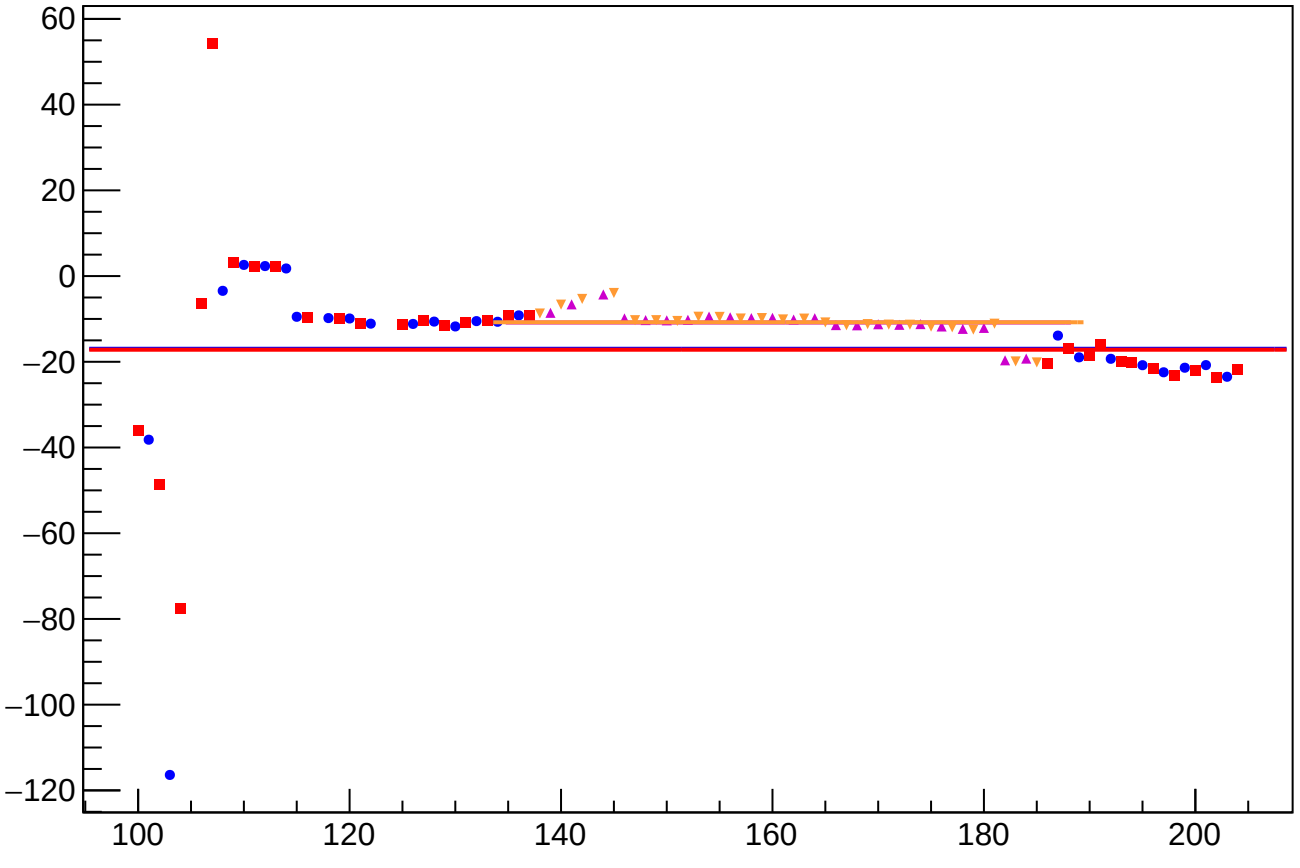
Left: 15.087+/-0.163 χ^2/NDF: 626.0/46

Right: 18.636+/-0.285 χ^2/NDF: 592.7/52

In: 16.268+/-0.202 χ^2/NDF:667.2/46

Out: 15.671+/-0.199 χ^2/NDF:663.8/52

All: 15.965+/-0.142 χ^2/NDF: 1335.4/99



Right In: -16.961+/-0.020 χ^2/NDF: 386026.8/23

Left Out: -10.778+/-0.010 χ^2/NDF:84755.9/23

Right Out: -17.184+/-0.020 χ^2/NDF: 376569.2/28

Left In: -10.834+/-0.010 χ^2/NDF:74113.9/22

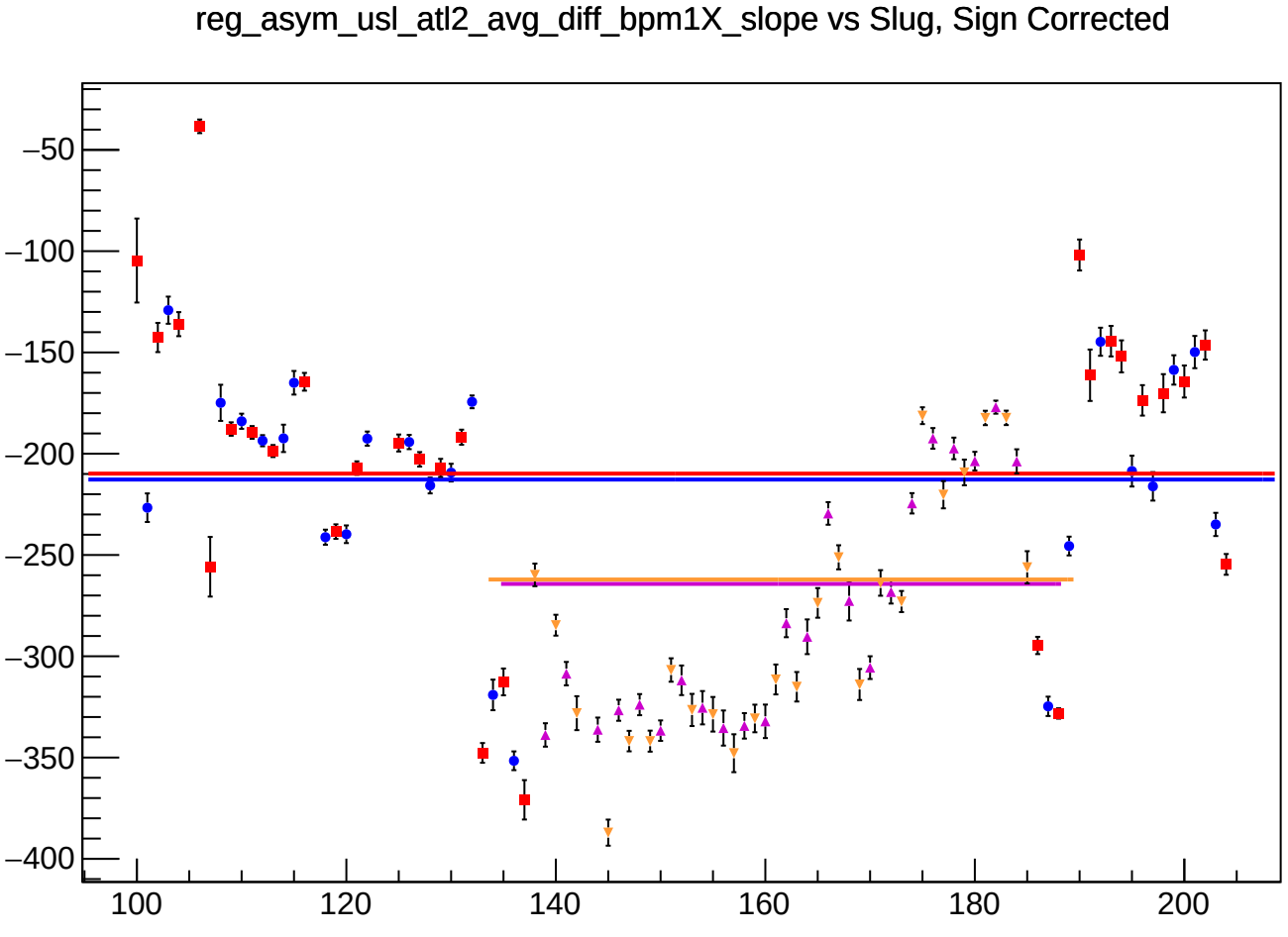
Left: -10.806+/-0.007 χ^2/NDF: 158884.9/46

Right: -17.076+/-0.014 χ^2/NDF: 762659.3/52

In: -12.105+/-0.009 χ^2/NDF:533351.7/46

Out: -12.162+/-0.009 χ^2/NDF:545164.3/52

All: -12.134+/-0.006 χ^2/NDF: 1078535.6/99



Right In: -212.762+/-0.956 χ^2/NDF: 2596.5/23

Left Out: -262.110+/-1.179 χ^2/NDF:2964.6/23

Right Out: -209.835+/-0.854 χ^2/NDF: 7620.0/28

Left In: -264.272+/-1.186 χ^2/NDF:2741.9/22

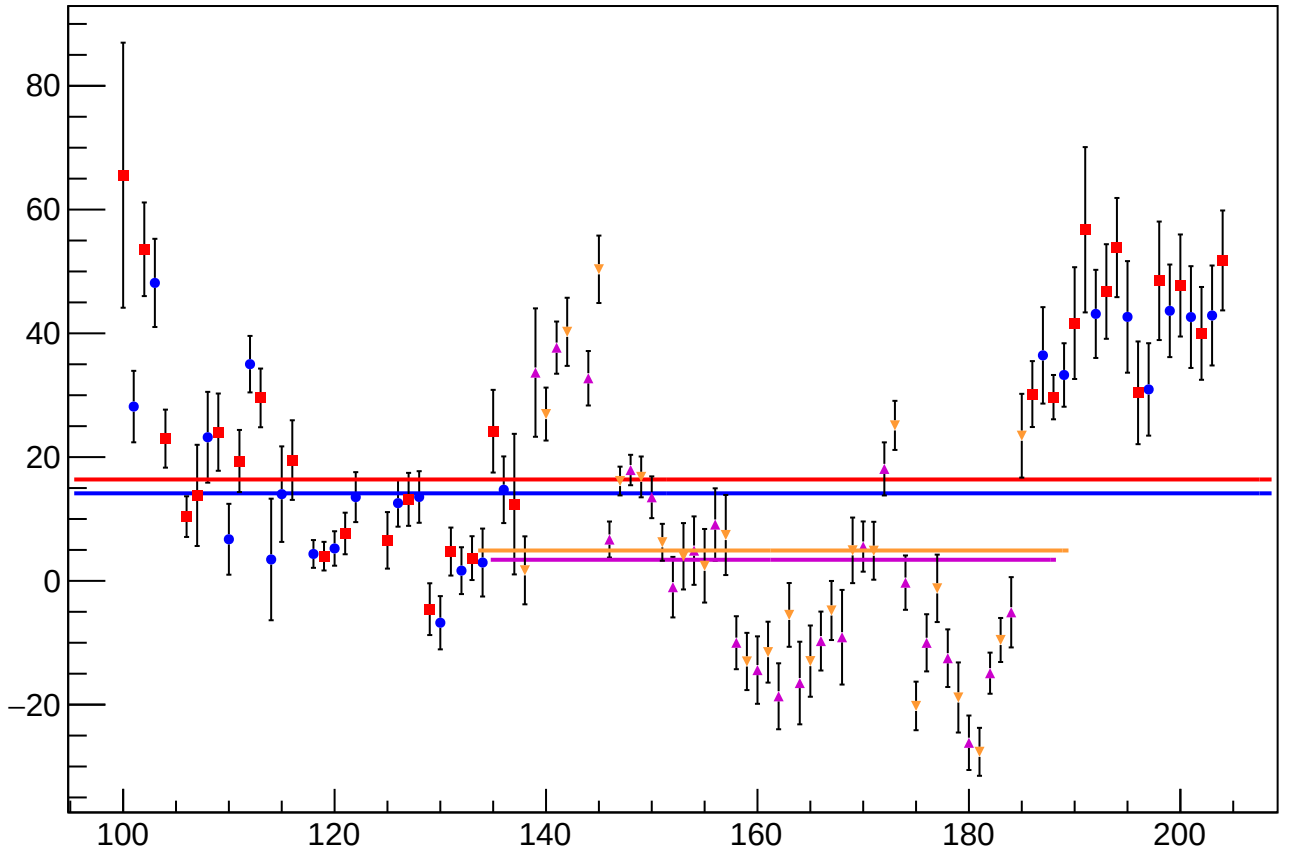
Left: -263.185+/-0.836 χ^2/NDF: 5708.1/46

Right: -211.134+/-0.637 χ^2/NDF: 10221.7/52

In: -233.069+/-0.744 χ^2/NDF:6481.8/46

Out: -227.829+/-0.692 χ^2/NDF:11873.0/52

All: -230.258+/-0.507 χ^2/NDF: 18381.4/99



Right In: 14.146+/-0.984 χ^2/NDF: 216.1/23

Left Out: 4.909+/-0.886 χ^2/NDF:398.9/23

Right Out: 16.386+/-0.930 χ^2/NDF: 266.6/28

Left In: 3.409+/-0.901 χ^2/NDF:333.3/22

Left: 4.171+/-0.632 χ^2/NDF: 733.7/46

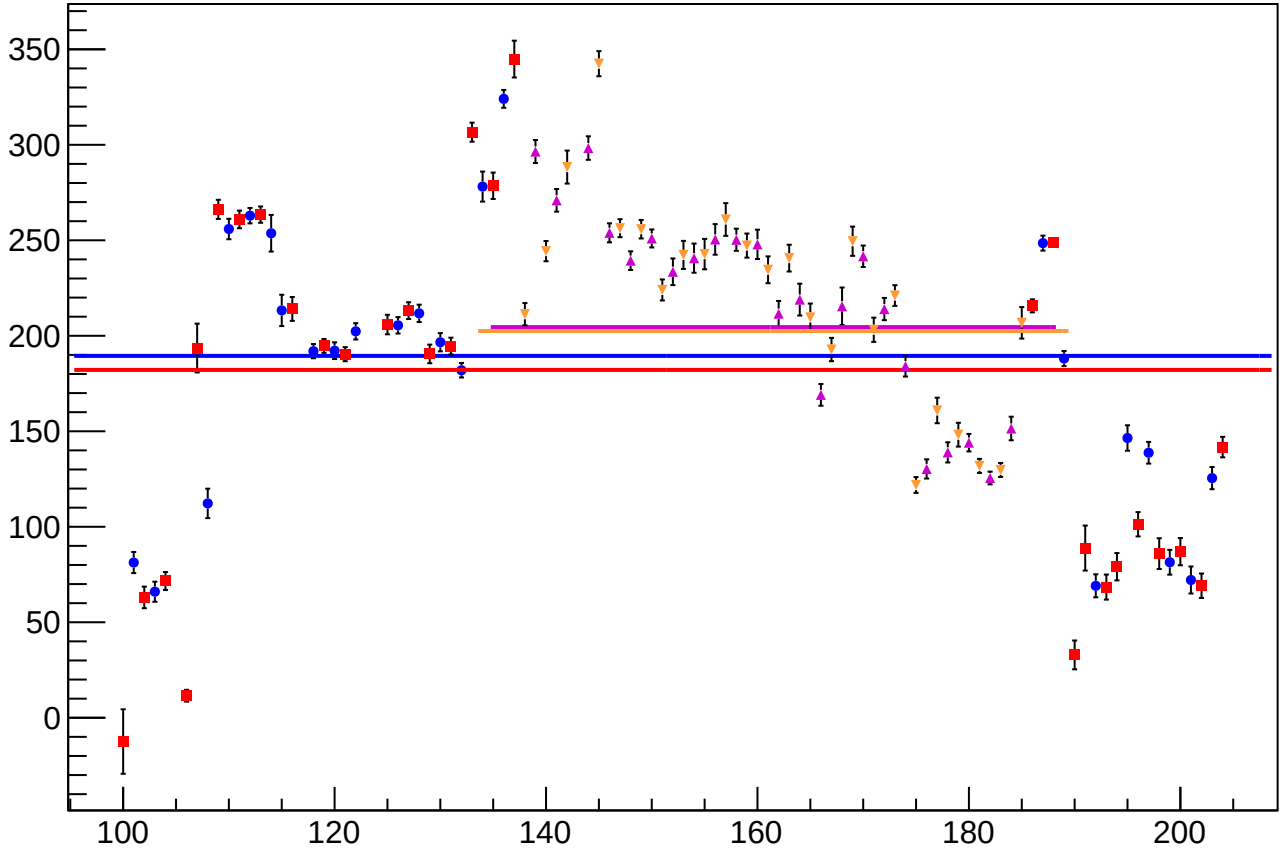
Right: 15.328+/-0.676 χ^2/NDF: 485.5/52

In: 8.306+/-0.664 χ^2/NDF:614.2/46

Out: 10.369+/-0.642 χ^2/NDF:745.4/52

All: 9.373+/-0.462 χ^2/NDF: 1364.6/99

reg_asym_usl_atl2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 189.477+/-1.026 χ^2/NDF: 4004.7/23

Left Out: 202.511+/-1.173 χ^2/NDF:2393.5/23

Right Out: 182.139+/-0.886 χ^2/NDF: 9302.6/28

Left In: 204.560+/-1.177 χ^2/NDF:2285.7/22

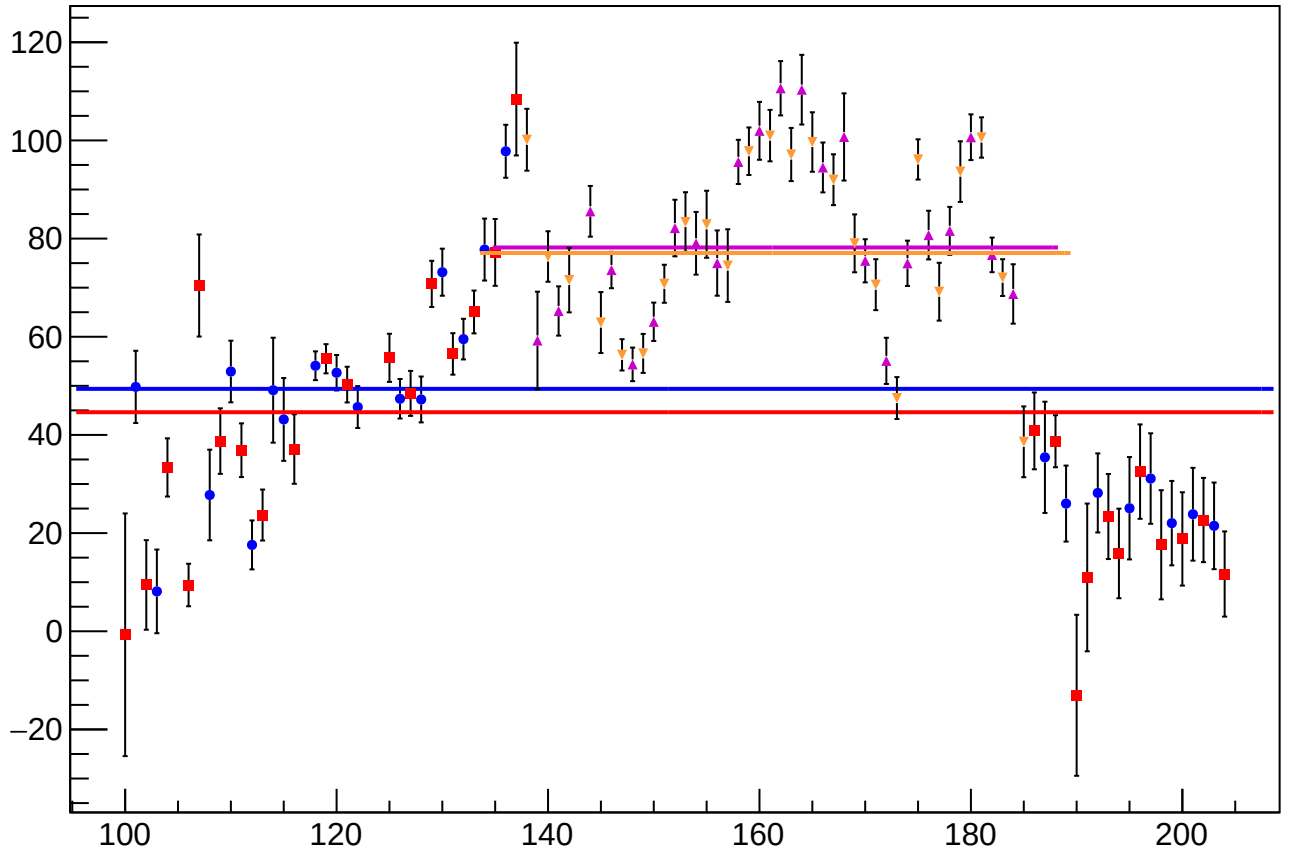
Left: 203.532+/-0.831 χ^2/NDF: 4680.7/46

Right: 185.273+/-0.671 χ^2/NDF: 13336.6/52

In: 195.991+/-0.774 χ^2/NDF:6383.6/46

Out: 189.544+/-0.707 χ^2/NDF:11888.2/52

All: 192.478+/-0.522 χ^2/NDF: 18309.7/99



Right In: 49.387+/-1.157 χ^2/NDF: 260.7/23

Left Out: 77.061+/-1.015 χ^2/NDF:311.3/23

Right Out: 44.626+/-1.104 χ^2/NDF: 320.8/28

Left In: 78.189+/-1.026 χ^2/NDF:232.5/22

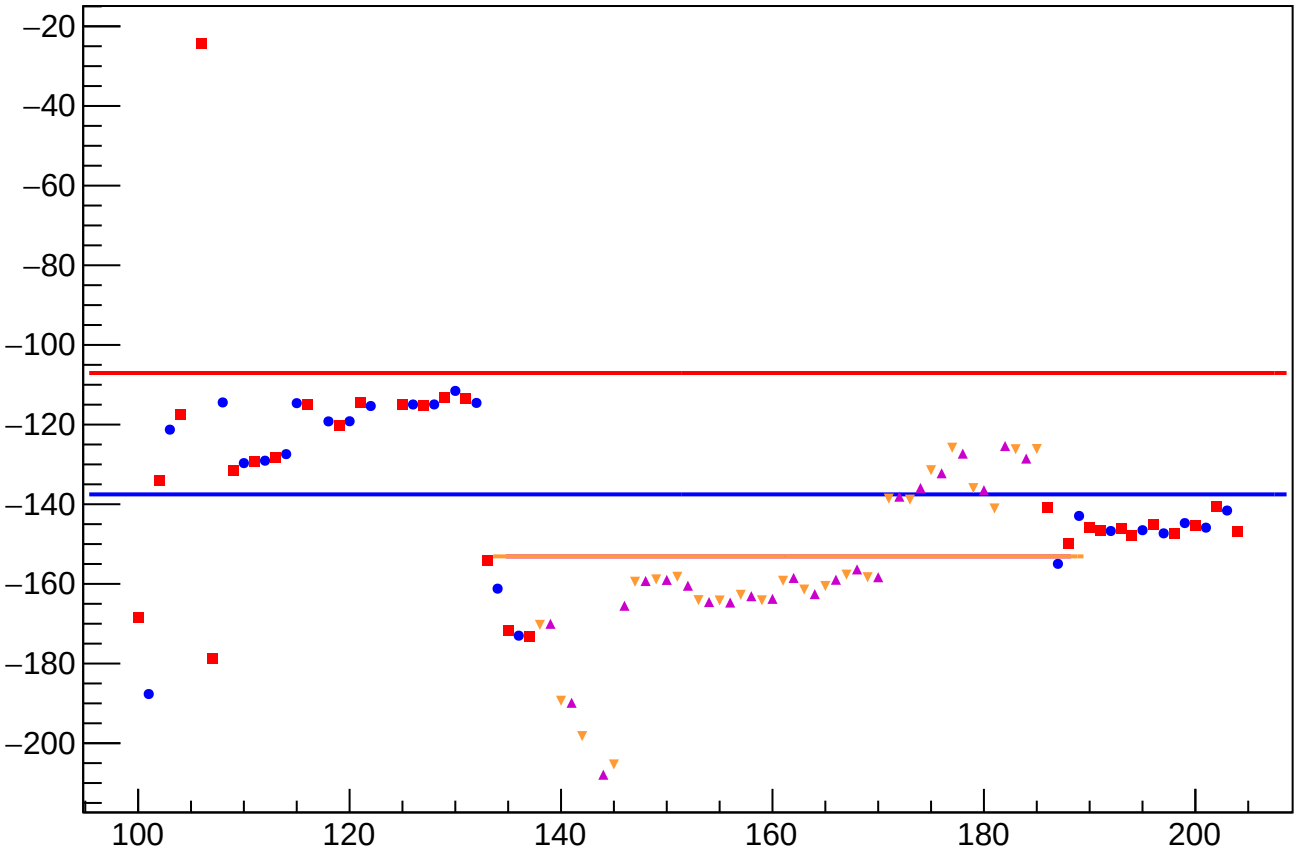
Left: 77.619+/-0.721 χ^2/NDF: 544.4/46

Right: 46.895+/-0.799 χ^2/NDF: 590.4/52

In: 65.515+/-0.767 χ^2/NDF:840.2/46

Out: 62.200+/-0.747 χ^2/NDF:1099.8/52

All: 63.814+/-0.535 χ^2/NDF: 1949.6/99



Right In: -137.527+/-0.065 χ^2/NDF: 102968.6/23

Left Out: -153.090+/-0.047 χ^2/NDF:177552.0/23

Right Out: -107.046+/-0.053 χ^2/NDF: 977833.7/28

Left In: -153.103+/-0.047 χ^2/NDF:166644.2/22

Left: -153.097+/-0.033 χ^2/NDF: 344196.2/46

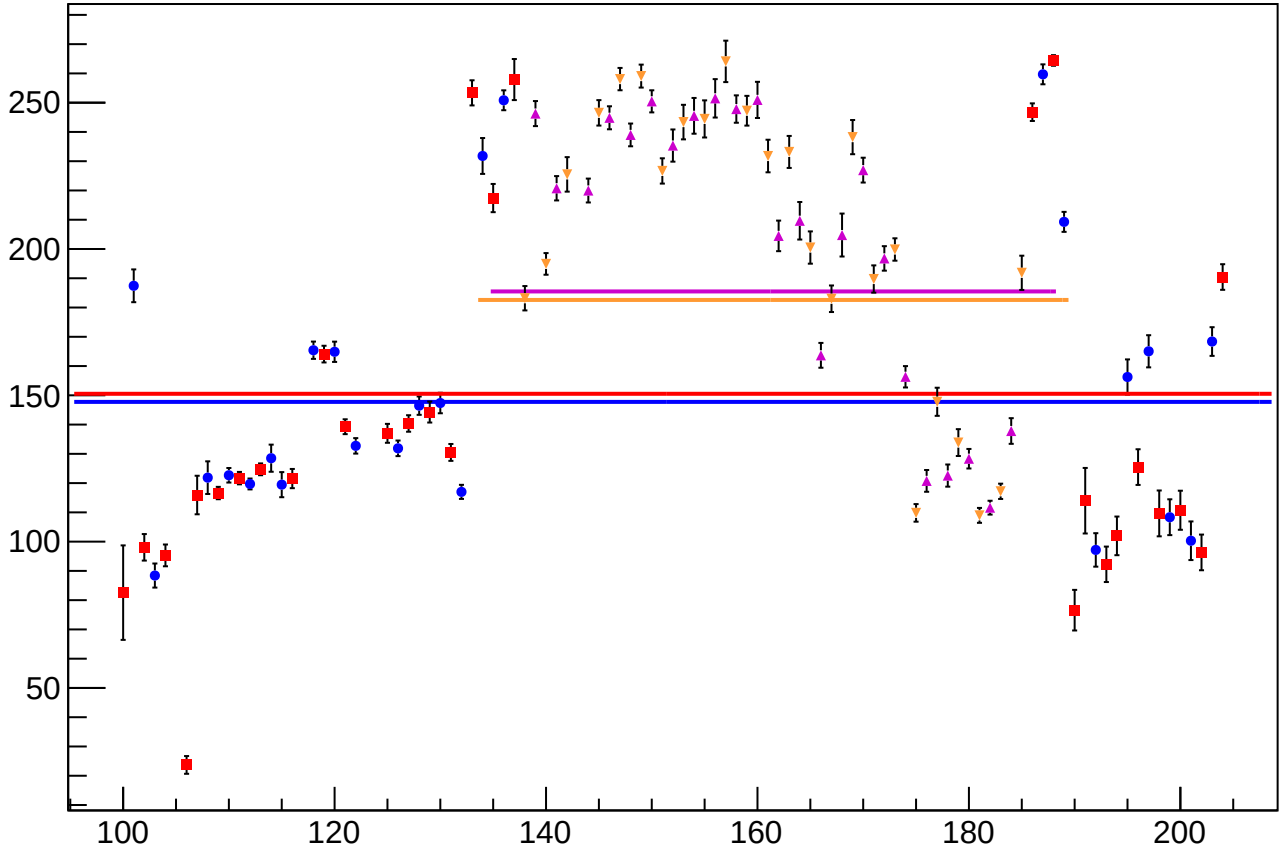
Right: -119.301+/-0.041 χ^2/NDF: 1213654.6/52

In: -147.774+/-0.038 χ^2/NDF:307782.3/46

Out: -132.871+/-0.035 χ^2/NDF:1578301.0/52

All: -139.774+/-0.026 χ^2/NDF: 1969408.2/99

reg_asym_usl_atl2_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 147.753+/-0.711 χ^2/NDF: 3673.2/23

Left Out: 182.591+/-0.866 χ^2/NDF:4152.3/23

Right Out: 150.521+/-0.633 χ^2/NDF: 9453.9/28

Left In: 185.497+/-0.872 χ^2/NDF:3822.2/22

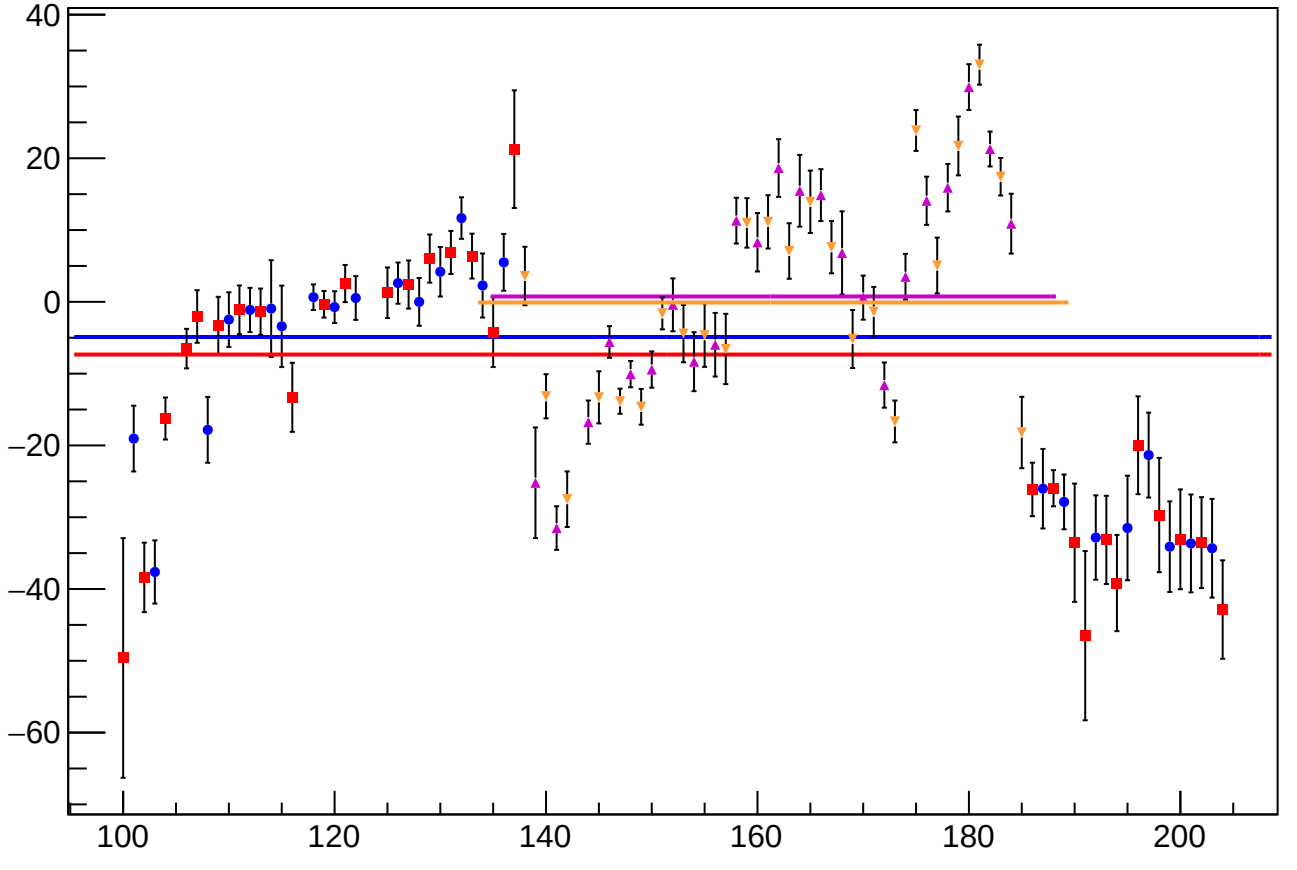
Left: 184.033+/-0.615 χ^2/NDF: 7980.1/46

Right: 149.296+/-0.473 χ^2/NDF: 13135.6/52

In: 162.812+/-0.551 χ^2/NDF:8620.4/46

Out: 161.694+/-0.511 χ^2/NDF:14500.0/52

All: 162.211+/-0.375 χ^2/NDF: 23122.6/99



Right In: -4.897+/-0.750 χ^2/NDF: 301.8/23

Left Out: -0.092+/-0.655 χ^2/NDF:555.3/23

Right Out: -7.340+/-0.701 χ^2/NDF: 392.3/28

Left In: 0.747+/-0.665 χ^2/NDF:497.8/22

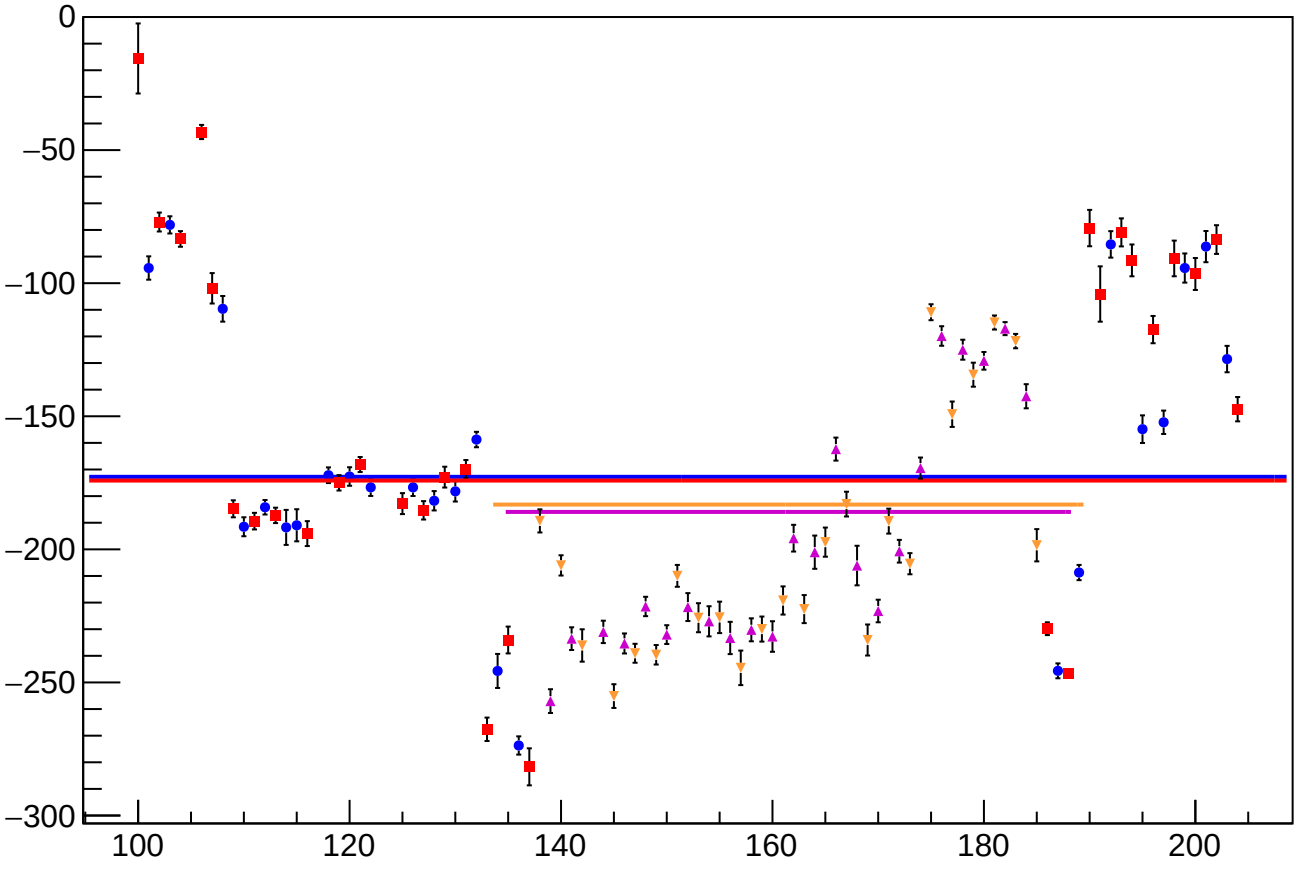
Left: 0.320+/-0.467 χ^2/NDF: 1053.9/46

Right: -6.201+/-0.512 χ^2/NDF: 699.7/52

In: -1.737+/-0.498 χ^2/NDF:831.2/46

Out: -3.467+/-0.479 χ^2/NDF:1004.6/52

All: -2.636+/-0.345 χ^2/NDF: 1842.1/99



Right In: -172.753+/-0.767 χ^2/NDF: 4126.0/23

Left Out: -183.175+/-0.862 χ^2/NDF:3361.2/23

Right Out: -174.152+/-0.659 χ^2/NDF: 9862.6/28

Left In: -185.936+/-0.867 χ^2/NDF:3181.6/22

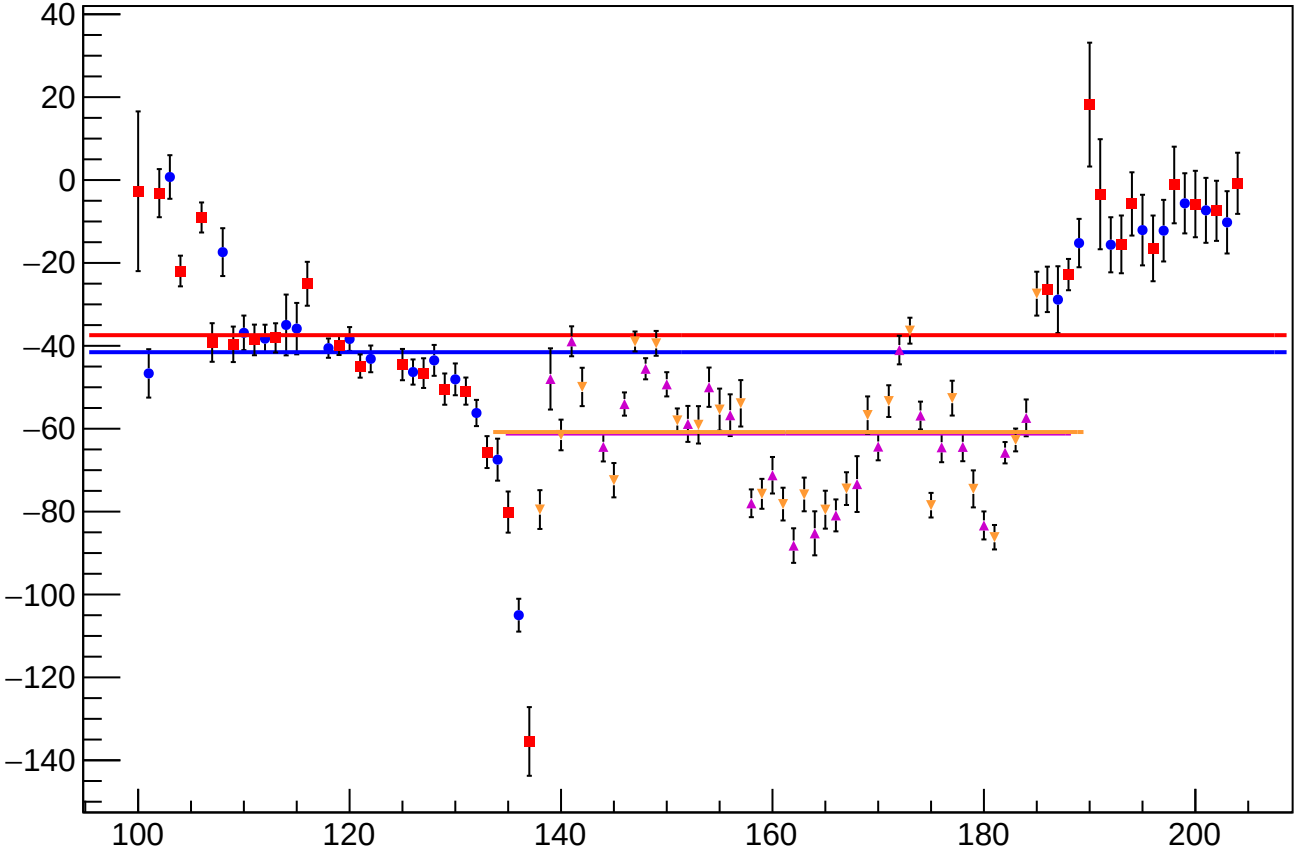
Left: -184.548+/-0.611 χ^2/NDF: 6547.8/46

Right: -173.558+/-0.500 χ^2/NDF: 13990.5/52

In: -178.543+/-0.575 χ^2/NDF:7437.2/46

Out: -177.478+/-0.523 χ^2/NDF:13292.9/52

All: -177.961+/-0.387 χ^2/NDF: 20732.0/99



Right In: -41.536+/-0.881 χ^2/NDF: 524.7/23

Left Out: -60.801+/-0.749 χ^2/NDF:474.0/23

Right Out: -37.431+/-0.833 χ^2/NDF: 584.0/28

Left In: -61.172+/-0.757 χ^2/NDF:316.9/22

Left: -60.984+/-0.532 χ^2/NDF: 791.1/46

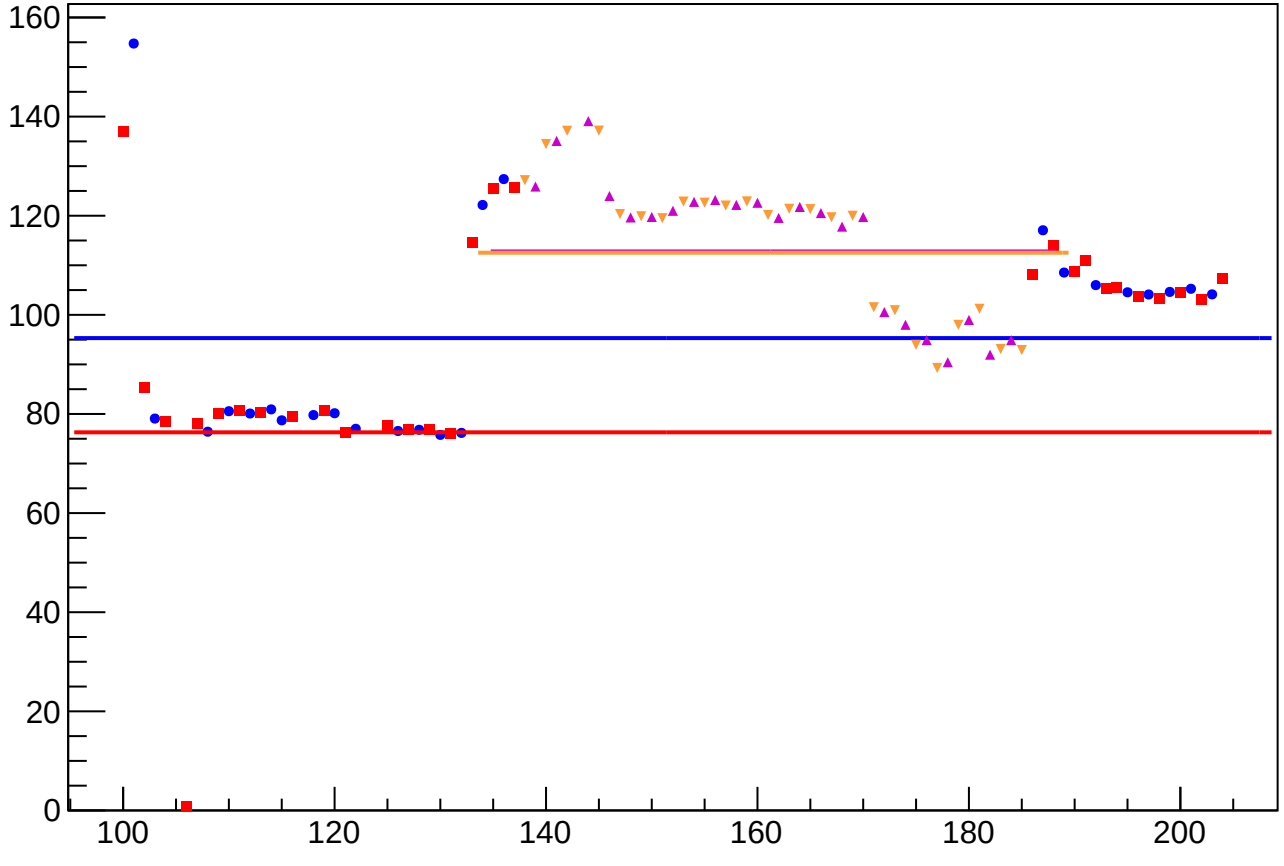
Right: -39.370+/-0.605 χ^2/NDF: 1120.1/52

In: -52.829+/-0.574 χ^2/NDF:1127.6/46

Out: -50.354+/-0.557 χ^2/NDF:1493.3/52

All: -51.554+/-0.400 χ^2/NDF: 2630.5/99

reg_asym_usl_atl2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 95.310+/-0.049 χ^2/NDF: 182174.5/23

Left Out: 112.539+/-0.035 χ^2/NDF:174512.4/23

Right Out: 76.296+/-0.042 χ^2/NDF: 877080.5/28

Left In: 112.795+/-0.034 χ^2/NDF:171662.8/22

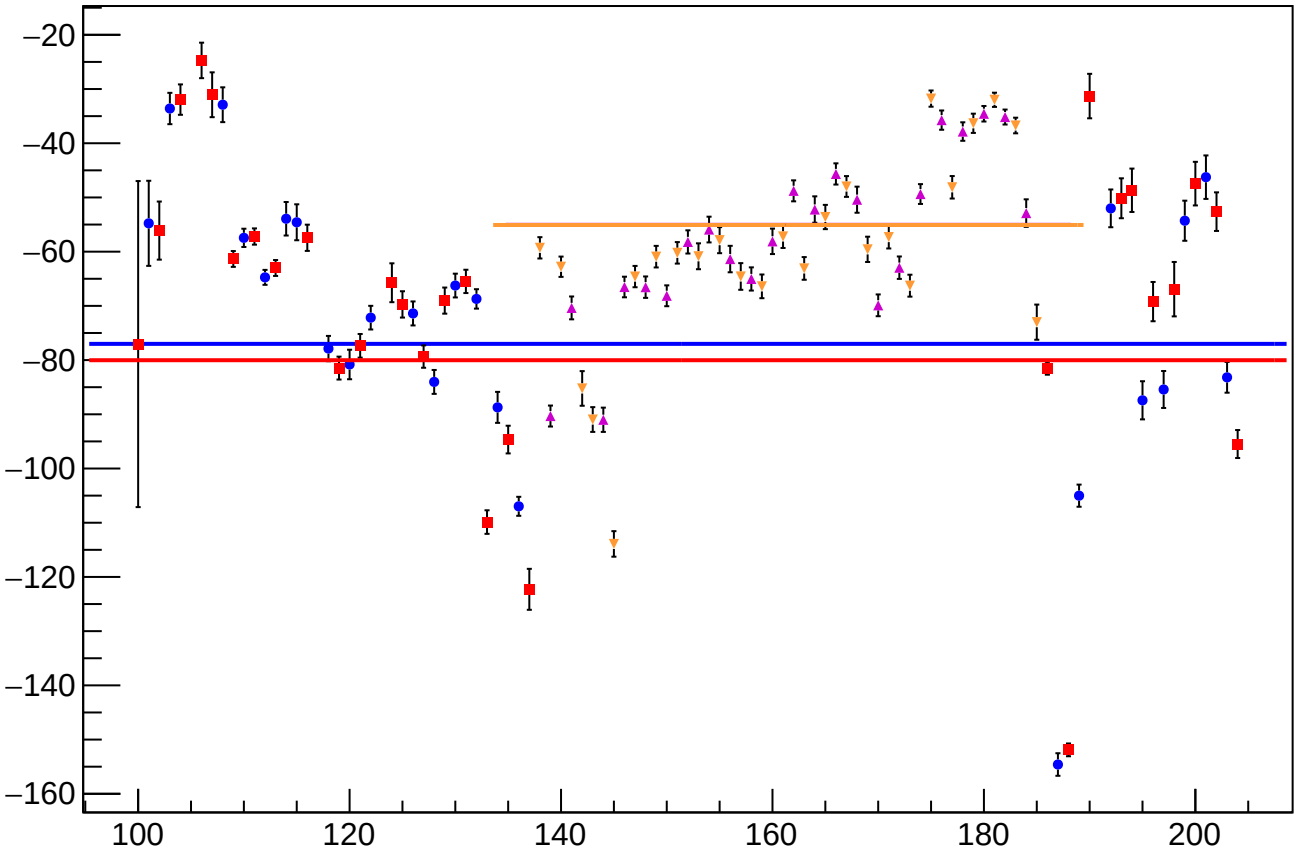
Left: 112.667+/-0.024 χ^2/NDF: 346202.6/46

Right: 84.305+/-0.032 χ^2/NDF: 1147286.2/52

In: 106.976+/-0.028 χ^2/NDF:439647.6/46

Out: 97.724+/-0.027 χ^2/NDF:1500540.5/52

All: 102.091+/-0.019 χ^2/NDF: 1997323.1/99



Right In: -77.007+/-0.488 χ^2/NDF: 2861.3/23

Left Out: -55.077+/-0.401 χ^2/NDF:2002.8/24

Right Out: -80.023+/-0.421 χ^2/NDF: 5963.1/28

Left In: -55.050+/-0.410 χ^2/NDF:1541.8/22

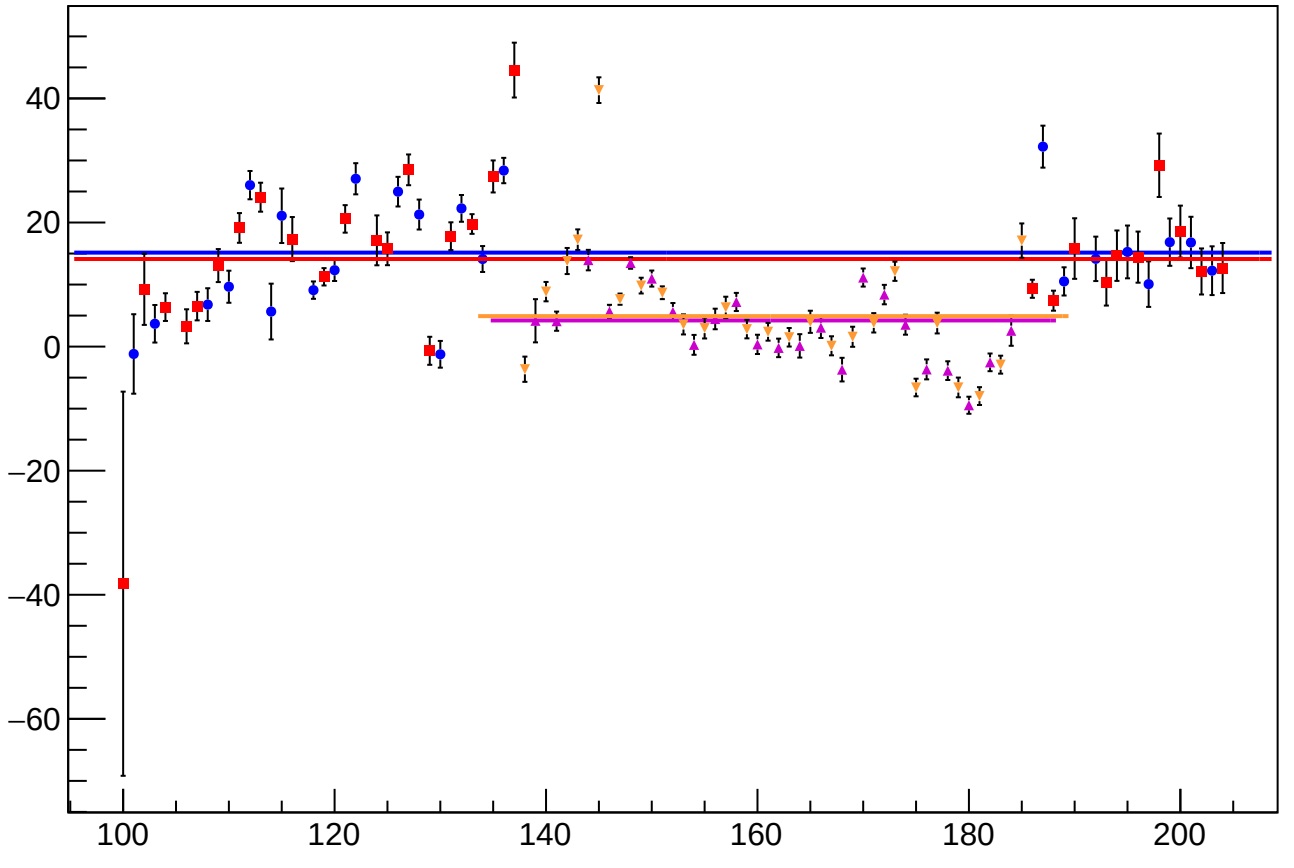
Left: -55.064+/-0.287 χ^2/NDF: 3544.6/47

Right: -78.737+/-0.319 χ^2/NDF: 8846.2/52

In: -64.142+/-0.314 χ^2/NDF:5588.0/46

Out: -66.926+/-0.290 χ^2/NDF:9808.2/53

All: -65.644+/-0.213 χ^2/NDF: 15438.6/100



Right In: 15.148+/-0.524 χ^2/NDF: 275.0/23

Left Out: 4.910+/-0.301 χ^2/NDF:741.5/24

Right Out: 14.121+/-0.470 χ^2/NDF: 284.9/28

Left In: 4.215+/-0.312 χ^2/NDF:415.1/22

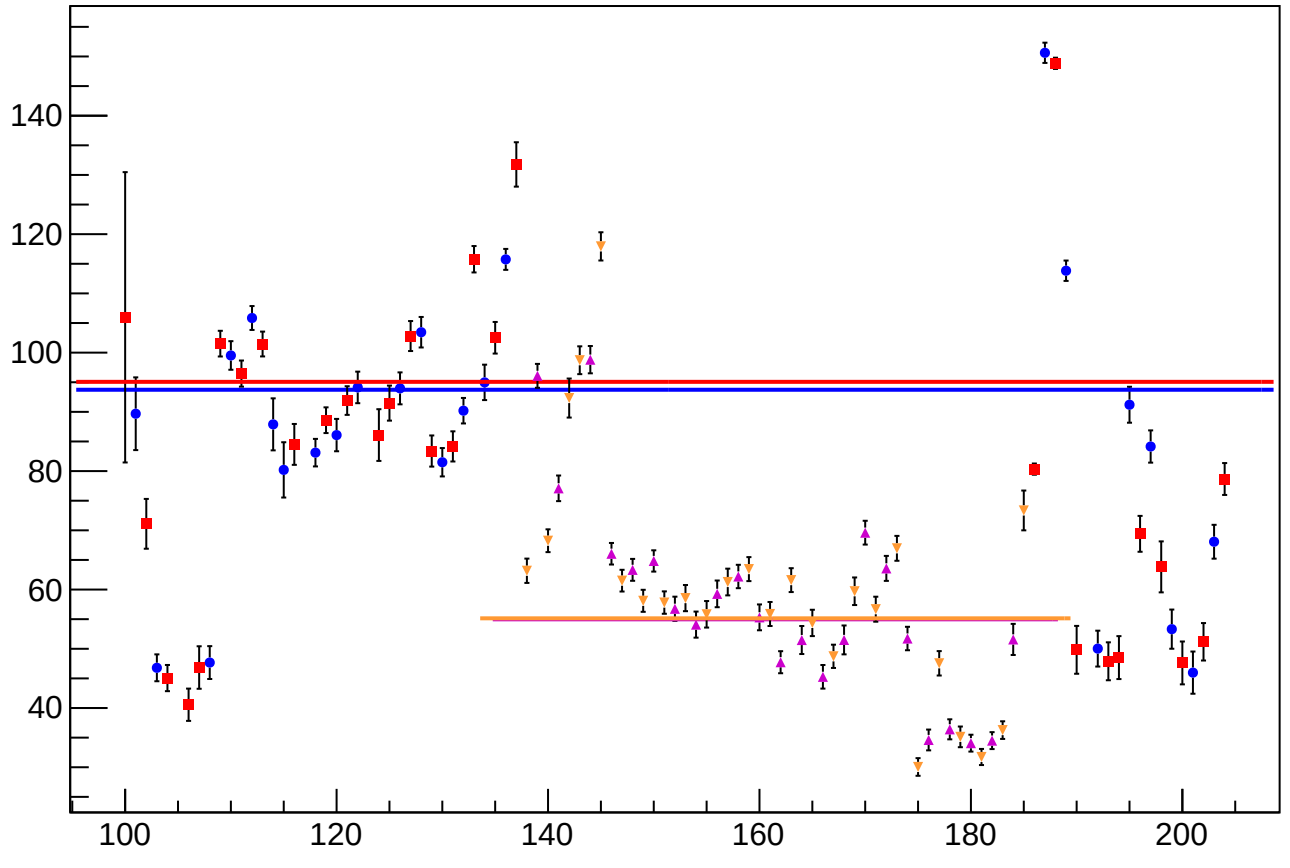
Left: 4.575+/-0.217 χ^2/NDF: 1159.1/47

Right: 14.579+/-0.350 χ^2/NDF: 562.1/52

In: 7.082+/-0.268 χ^2/NDF:1011.4/46

Out: 7.594+/-0.254 χ^2/NDF:1298.6/53

All: 7.352+/-0.184 χ^2/NDF: 2311.9/100



Right In: 93.733+/-0.516 χ^2/NDF: 2858.0/23

Left Out: 55.142+/-0.397 χ^2/NDF:2242.4/24

Right Out: 95.069+/-0.424 χ^2/NDF: 5895.3/28

Left In: 54.972+/-0.406 χ^2/NDF:1780.5/22

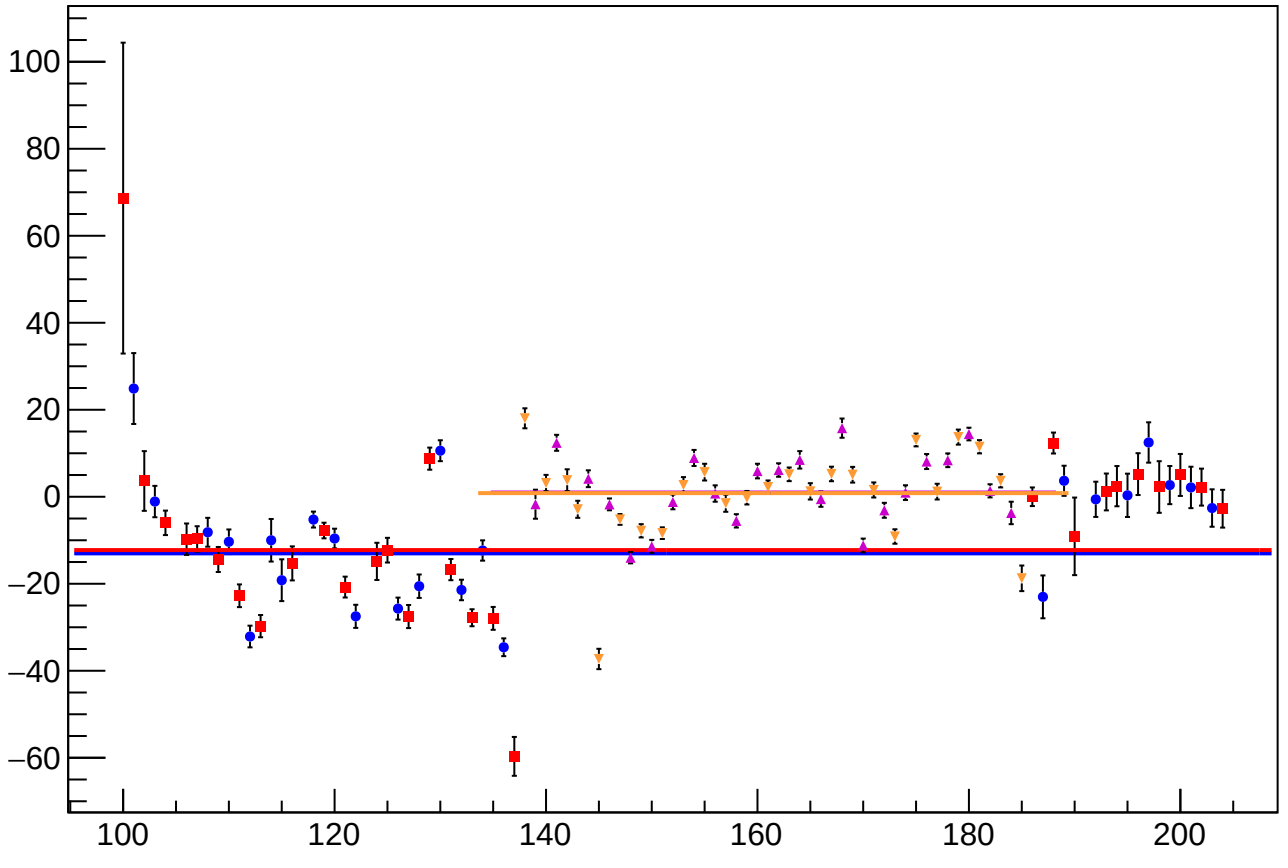
Left: 55.059+/-0.284 χ^2/NDF: 4023.0/47

Right: 94.530+/-0.327 χ^2/NDF: 8757.3/52

In: 69.789+/-0.319 χ^2/NDF:8129.8/46

Out: 73.795+/-0.290 χ^2/NDF:12865.1/53

All: 71.983+/-0.214 χ^2/NDF: 21081.4/100



Right In: -13.014+/-0.611 χ^2/NDF: 503.0/23

Left Out: 0.840+/-0.343 χ^2/NDF:717.2/24

Right Out: -12.255+/-0.564 χ^2/NDF: 622.8/28

Left In: 0.980+/-0.353 χ^2/NDF:558.5/22

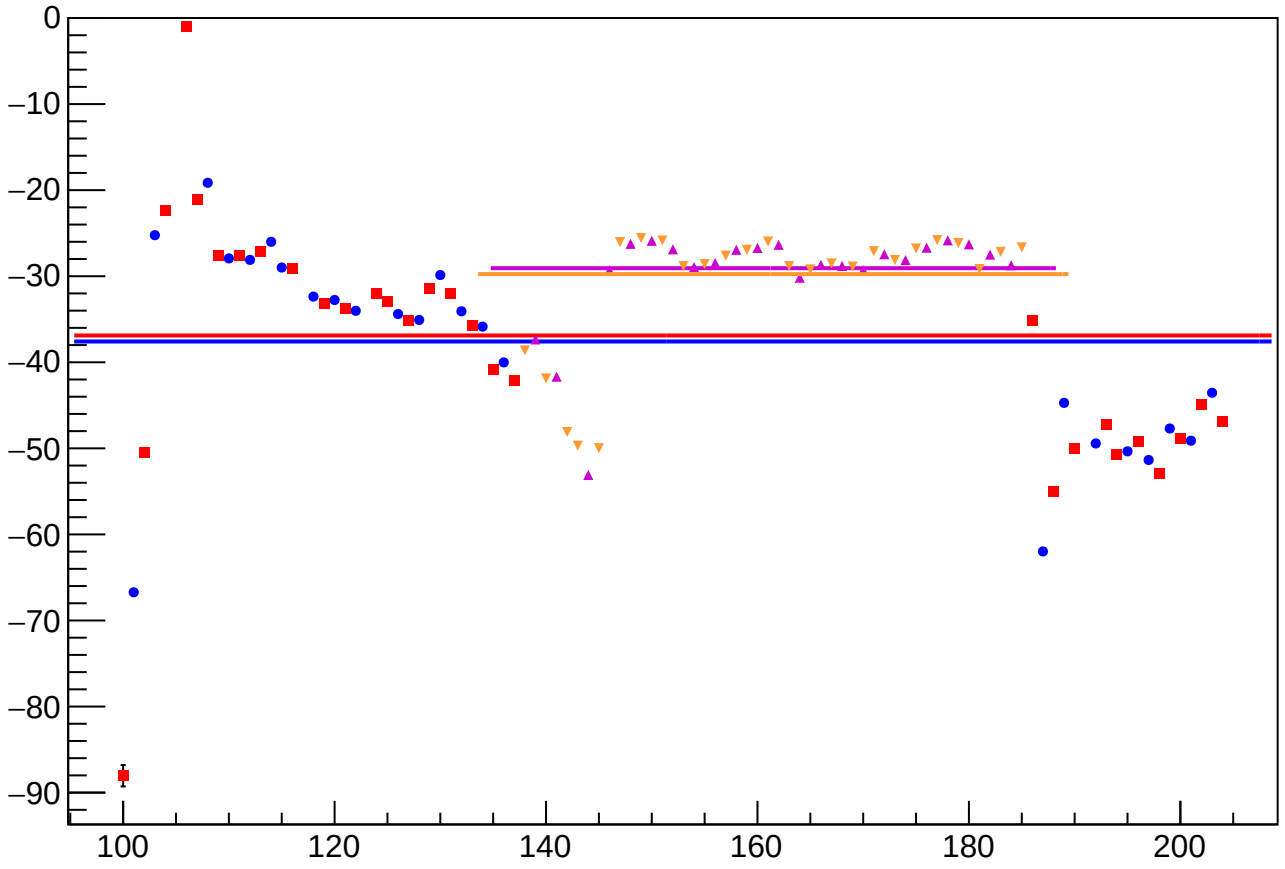
Left: 0.908+/-0.246 χ^2/NDF: 1275.8/47

Right: -12.604+/-0.414 χ^2/NDF: 1126.6/52

In: -2.529+/-0.306 χ^2/NDF:1454.8/46

Out: -2.693+/-0.293 χ^2/NDF:1733.5/53

All: -2.615+/-0.212 χ^2/NDF: 3188.5/100



Right In: -37.585+/-0.031 χ^2/NDF: 111003.9/23

Left Out: -29.754+/-0.016 χ^2/NDF:163552.5/24

Right Out: -36.884+/-0.030 χ^2/NDF: 205340.1/28

Left In: -29.067+/-0.016 χ^2/NDF:101545.6/22

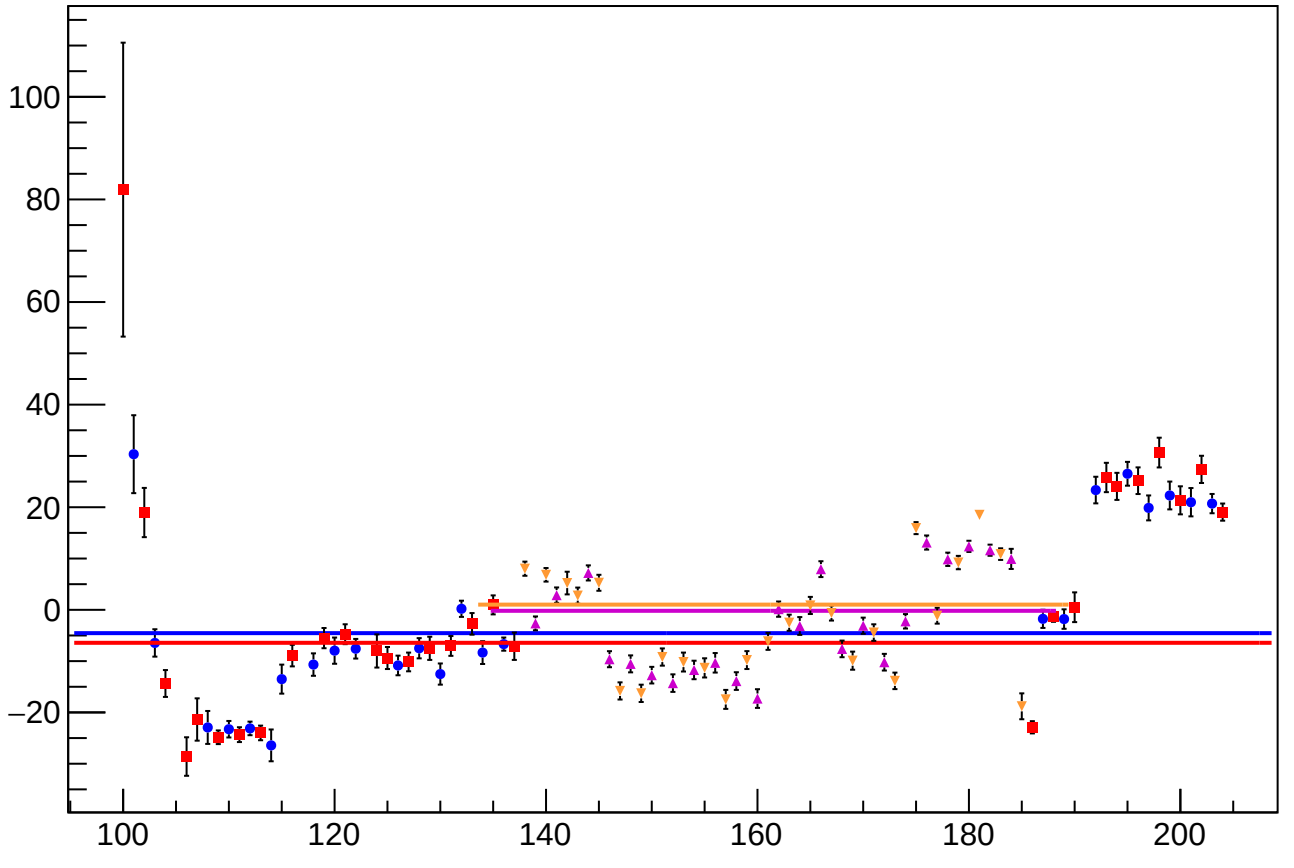
Left: -29.416+/-0.011 χ^2/NDF: 266057.0/47

Right: -37.218+/-0.021 χ^2/NDF: 316610.4/52

In: -30.811+/-0.014 χ^2/NDF:272109.0/46

Out: -31.293+/-0.014 χ^2/NDF:414149.8/53

All: -31.057+/-0.010 χ^2/NDF: 686856.3/100



Right In: -4.546+/-0.419 χ^2/NDF: 1265.6/23

Left Out: 1.015+/-0.305 χ^2/NDF:1335.1/24

Right Out: -6.429+/-0.370 χ^2/NDF: 1910.5/28

Left In: -0.192+/-0.315 χ^2/NDF:982.8/22

Left: 0.431+/-0.219 χ^2/NDF: 2325.4/47

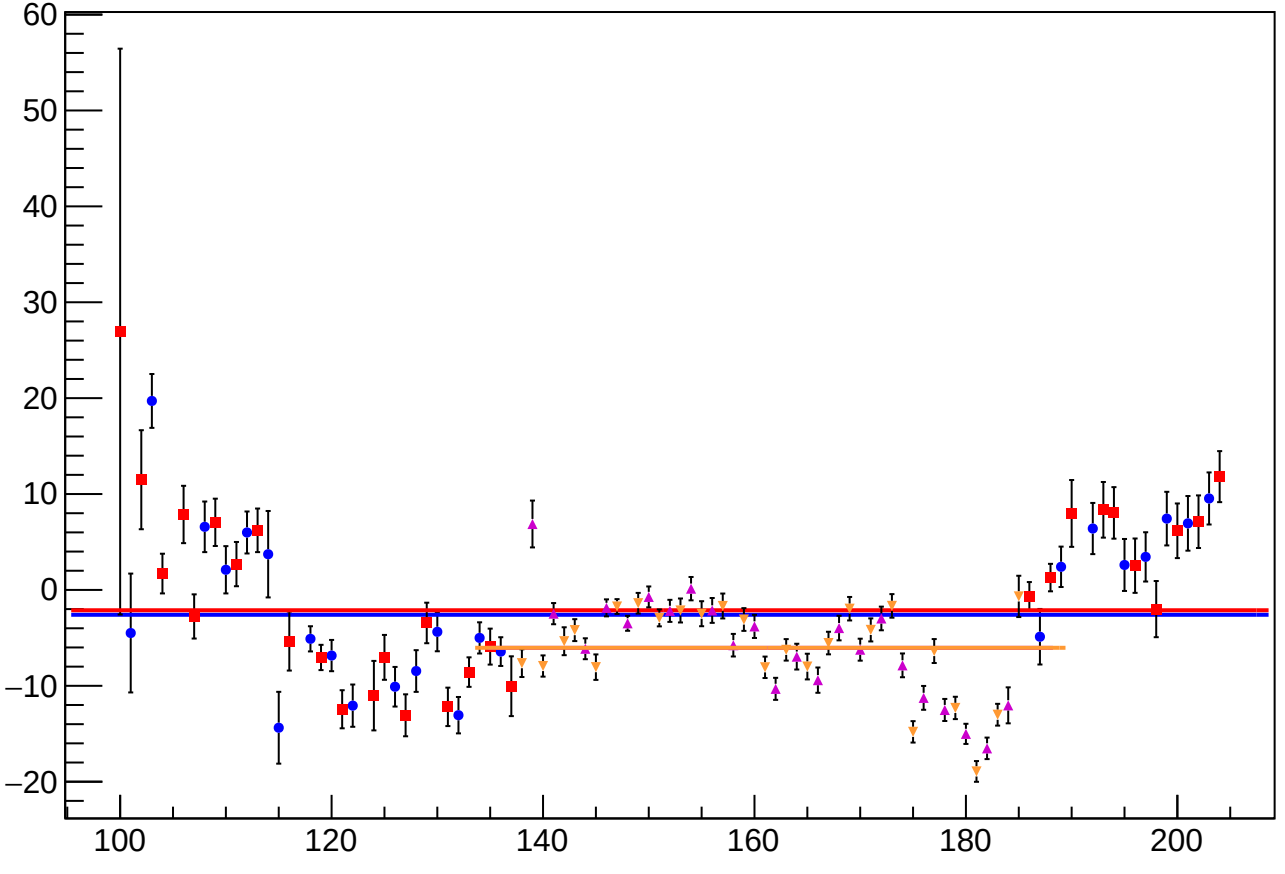
Right: -5.603+/-0.277 χ^2/NDF: 3187.4/52

In: -1.762+/-0.251 χ^2/NDF:2317.5/46

Out: -1.991+/-0.235 χ^2/NDF:3486.5/53

All: -1.884+/-0.172 χ^2/NDF: 5804.4/100

reg_asym_usr_atr1_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -2.591+/-0.452 χ^2/NDF: 266.3/23

Left Out: -6.035+/-0.233 χ^2/NDF:414.9/24

Right Out: -2.120+/-0.418 χ^2/NDF: 277.8/28

Left In: -6.043+/-0.243 χ^2/NDF:396.2/22

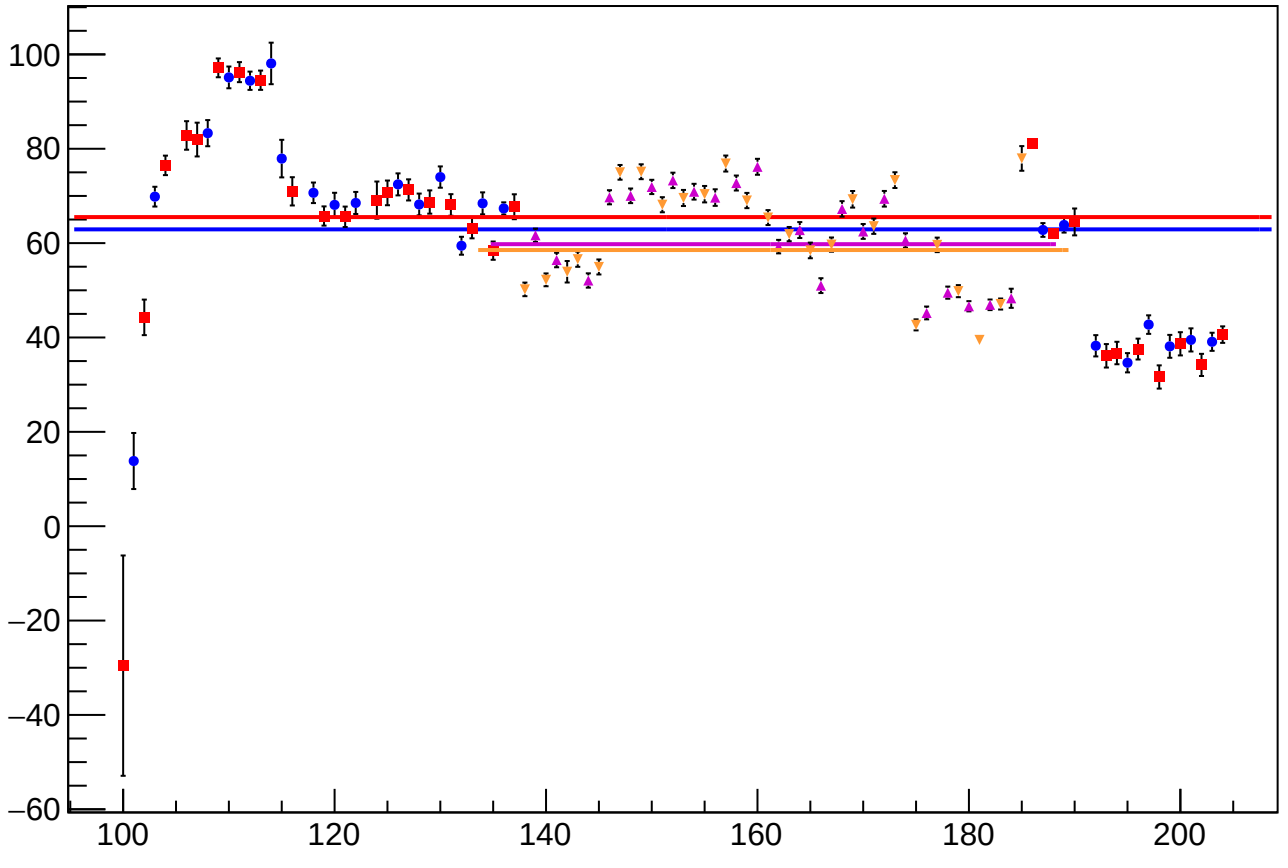
Left: -6.039+/-0.168 χ^2/NDF: 811.1/47

Right: -2.337+/-0.307 χ^2/NDF: 544.7/52

In: -5.270+/-0.214 χ^2/NDF:707.8/46

Out: -5.105+/-0.204 χ^2/NDF:759.6/53

All: -5.183+/-0.147 χ^2/NDF: 1467.7/100



Right In: 62.915+/-0.435 χ^2/NDF: 1527.5/23

Left Out: 58.535+/-0.303 χ^2/NDF:1449.2/24

Right Out: 65.518+/-0.371 χ^2/NDF: 2242.3/28

Left In: 59.777+/-0.312 χ^2/NDF:1070.5/22

Left: 59.139+/-0.217 χ^2/NDF: 2527.9/47

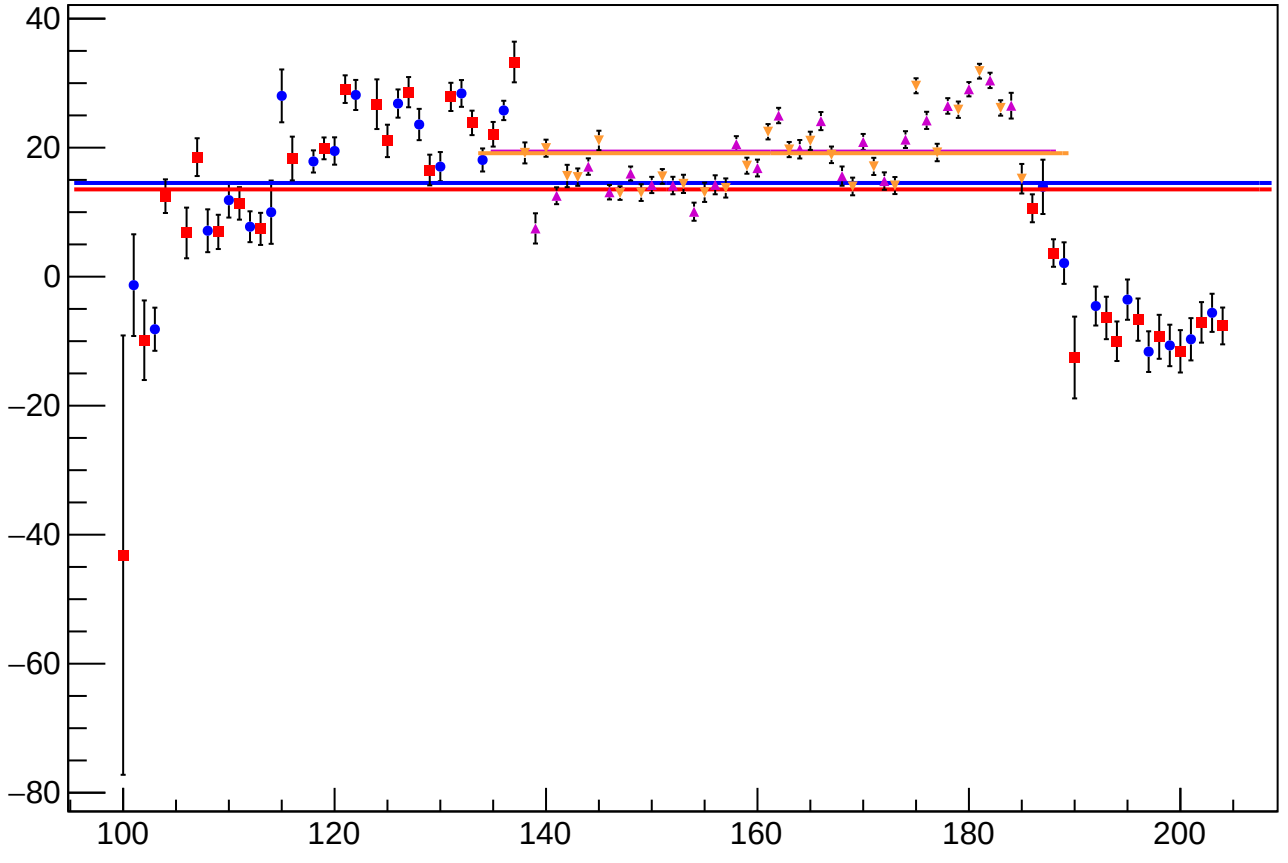
Right: 64.420+/-0.282 χ^2/NDF: 3790.5/52

In: 60.842+/-0.253 χ^2/NDF:2632.4/46

Out: 61.326+/-0.235 χ^2/NDF:3903.8/53

All: 61.102+/-0.172 χ^2/NDF: 6538.2/100

reg_asym_usr_atr1_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 14.525+/-0.521 χ^2/NDF: 590.7/23

Left Out: 19.138+/-0.264 χ^2/NDF:433.7/24

Right Out: 13.529+/-0.496 χ^2/NDF: 675.7/28

Left In: 19.390+/-0.274 χ^2/NDF:467.7/22

Left: 19.260+/-0.190 χ^2/NDF: 901.9/47

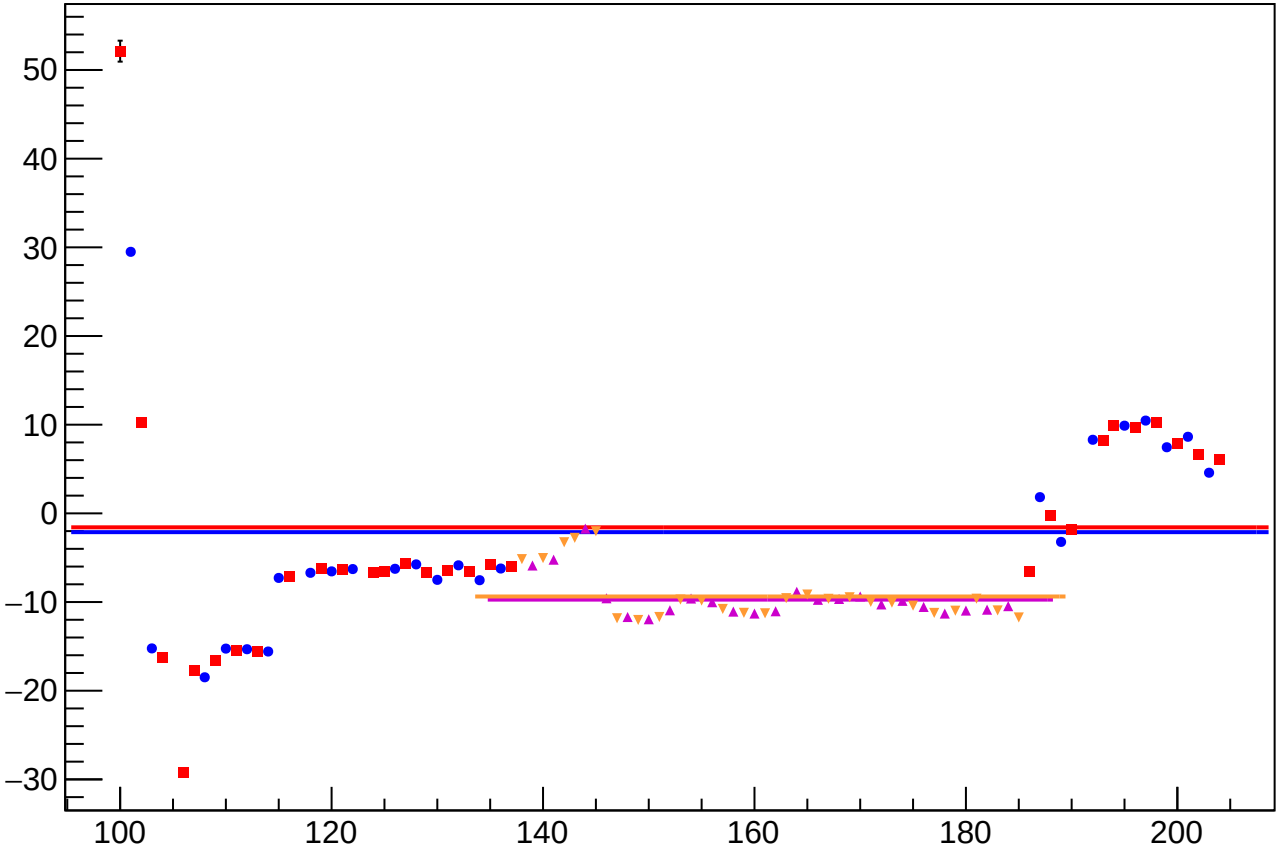
Right: 14.003+/-0.359 χ^2/NDF: 1268.3/52

In: 18.337+/-0.242 χ^2/NDF:1126.8/46

Out: 17.899+/-0.233 χ^2/NDF:1209.1/53

All: 18.109+/-0.168 χ^2/NDF: 2337.7/100

reg_asym_usr_atr1_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -2.119+/-0.025 χ^2/NDF: 149271.9/23

Left Out: -9.375+/-0.012 χ^2/NDF:49934.3/24

Right Out: -1.574+/-0.024 χ^2/NDF: 186916.1/28

Left In: -9.726+/-0.012 χ^2/NDF:31951.7/22

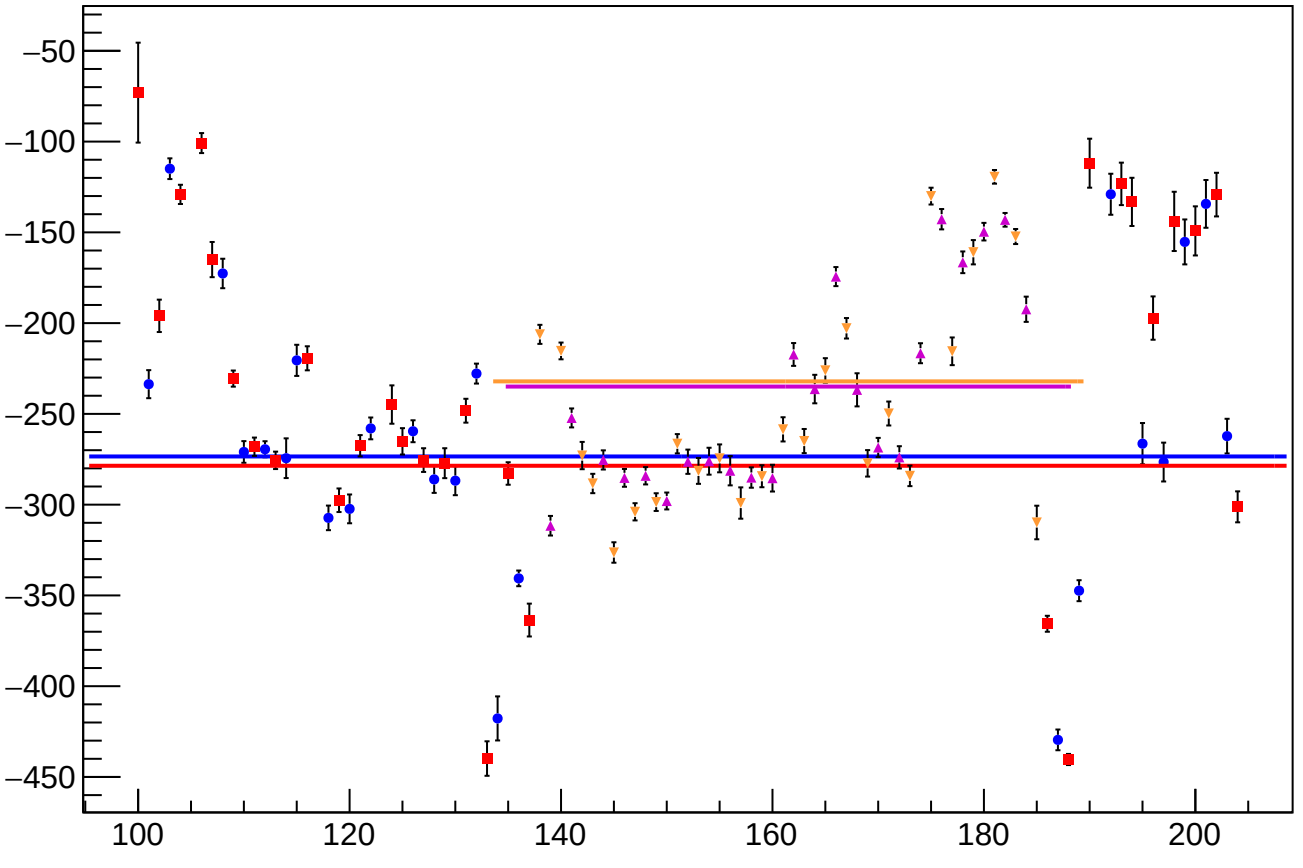
Left: -9.547+/-0.008 χ^2/NDF: 82314.4/47

Right: -1.840+/-0.017 χ^2/NDF: 336434.9/52

In: -8.262+/-0.011 χ^2/NDF:257146.6/46

Out: -7.861+/-0.011 χ^2/NDF:320458.4/53

All: -8.058+/-0.008 χ^2/NDF: 578294.3/100



Right In: -273.451+/-1.425 χ^2/NDF: 2779.4/23

Left Out: -232.091+/-1.143 χ^2/NDF:3269.9/24

Right Out: -278.580+/-1.236 χ^2/NDF: 6735.4/28

Left In: -234.951+/-1.176 χ^2/NDF:2470.2/22

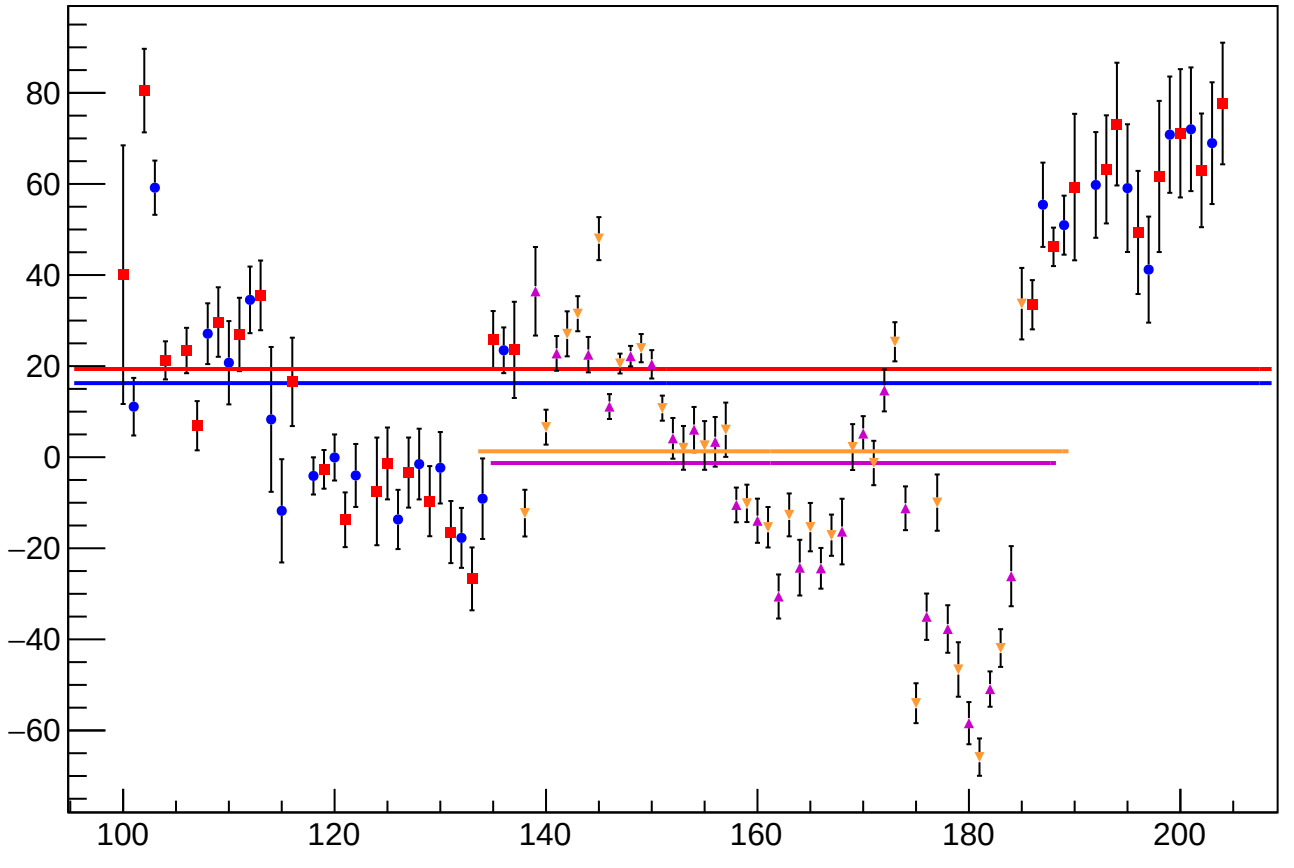
Left: -233.480+/-0.820 χ^2/NDF: 5743.2/47

Right: -276.378+/-0.934 χ^2/NDF: 9522.2/52

In: -250.540+/-0.907 χ^2/NDF:5683.8/46

Out: -253.517+/-0.839 χ^2/NDF:10767.7/53

All: -252.143+/-0.616 χ^2/NDF: 16457.3/100



Right In: 16.265+/-1.503 χ^2/NDF: 306.2/23

Left Out: 1.295+/-0.837 χ^2/NDF:1049.5/24

Right Out: 19.366+/-1.342 χ^2/NDF: 363.1/28

Left In: -1.280+/-0.869 χ^2/NDF:811.2/22

Left: 0.056+/-0.603 χ^2/NDF: 1865.2/47

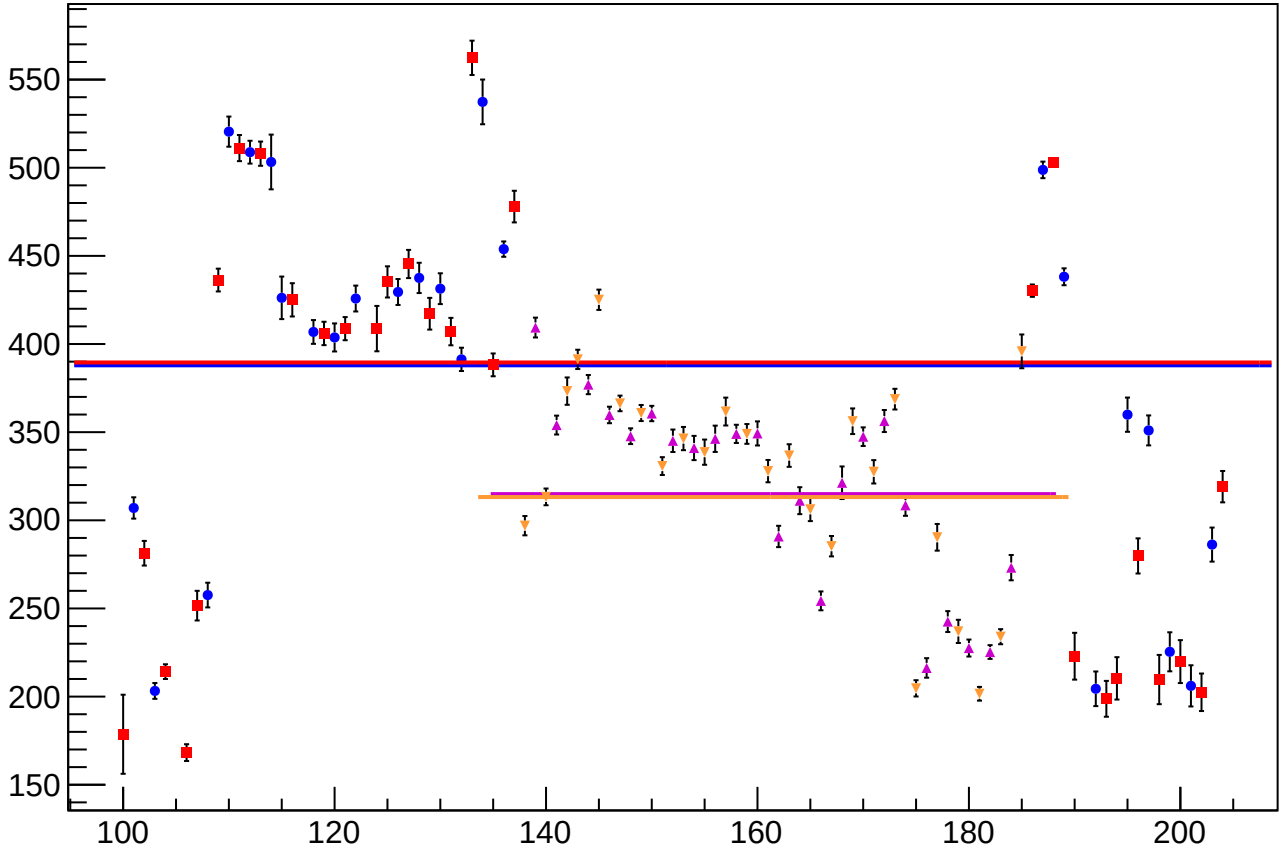
Right: 17.991+/-1.001 χ^2/NDF: 671.7/52

In: 3.113+/-0.752 χ^2/NDF:1219.5/46

Out: 6.355+/-0.710 χ^2/NDF:1543.1/53

All: 4.827+/-0.516 χ^2/NDF: 2772.5/100

reg_asym_usr_atr2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 387.924+/-1.444 χ^2/NDF: 4988.4/23

Left Out: 313.197+/-1.134 χ^2/NDF:3135.7/24

Right Out: 389.535+/-1.212 χ^2/NDF: 9516.2/28

Left In: 314.864+/-1.161 χ^2/NDF:2429.0/22

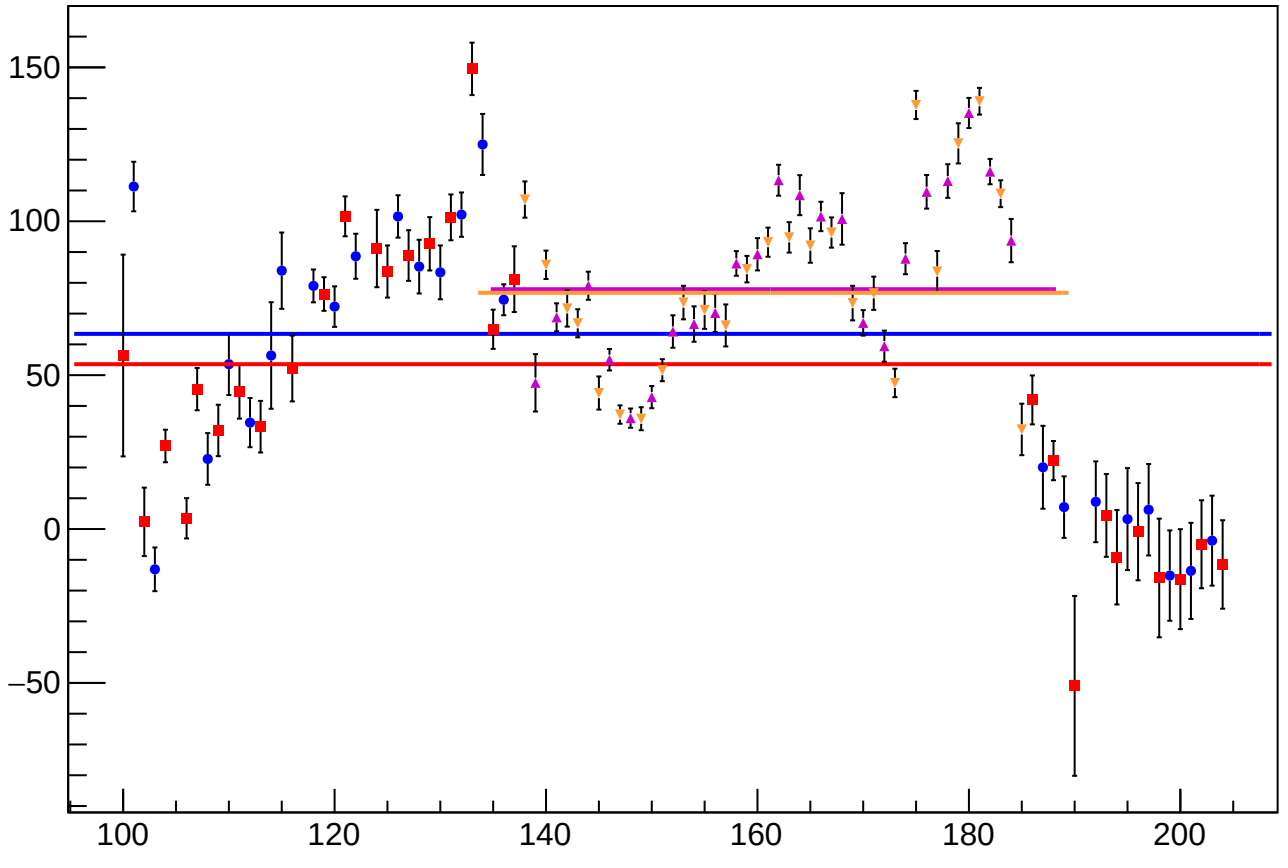
Left: 314.010+/-0.811 χ^2/NDF: 5565.8/47

Right: 388.870+/-0.928 χ^2/NDF: 14505.3/52

In: 343.555+/-0.905 χ^2/NDF:8971.6/46

Out: 348.842+/-0.828 χ^2/NDF:14768.0/53

All: 346.433+/-0.611 χ^2/NDF: 23758.2/100



Right In: 63.414+/-1.765 χ^2/NDF: 489.9/23

Left Out: 76.758+/-0.967 χ^2/NDF:1035.3/24

Right Out: 53.563+/-1.618 χ^2/NDF: 580.2/28

Left In: 77.923+/-0.997 χ^2/NDF:783.8/22

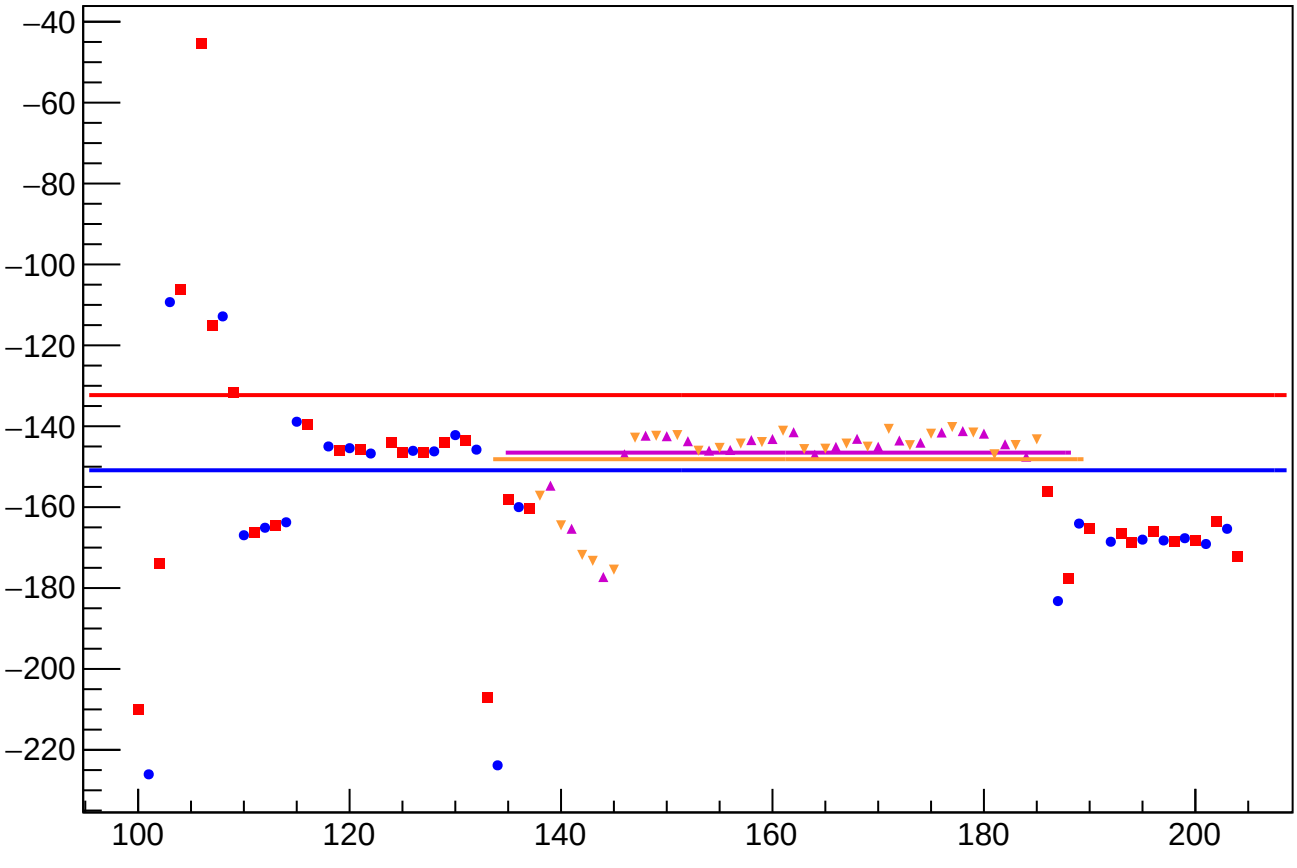
Left: 77.323+/-0.694 χ^2/NDF: 1819.9/47

Right: 58.059+/-1.193 χ^2/NDF: 1087.1/52

In: 74.416+/-0.868 χ^2/NDF:1324.9/46

Out: 70.655+/-0.830 χ^2/NDF:1767.1/53

All: 72.451+/-0.600 χ^2/NDF: 3101.8/100



Right In: -150.883+/-0.085 χ^2/NDF: 145976.6/23

Left Out: -148.148+/-0.045 χ^2/NDF:48910.2/24

Right Out: -132.301+/-0.077 χ^2/NDF: 347268.2/28

Left In: -146.523+/-0.046 χ^2/NDF:29172.3/22

Left: -147.344+/-0.032 χ^2/NDF: 78725.9/47

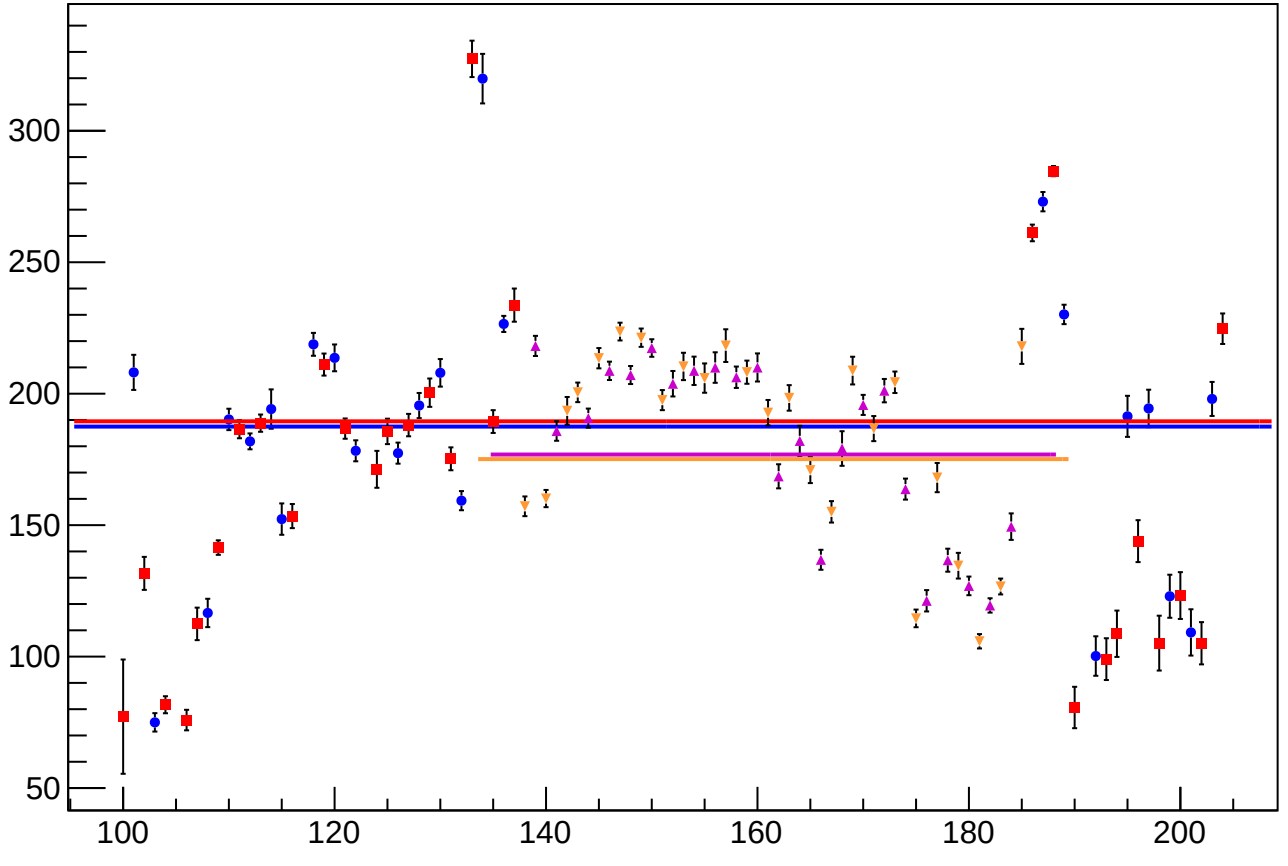
Right: -140.602+/-0.057 χ^2/NDF: 519412.9/52

In: -147.488+/-0.040 χ^2/NDF:177177.1/46

Out: -144.084+/-0.039 χ^2/NDF:427857.6/53

All: -145.729+/-0.028 χ^2/NDF: 608739.1/100

reg_asym_usr_atr2_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 187.492+/-0.955 χ^2/NDF: 2736.3/23

Left Out: 175.126+/-0.822 χ^2/NDF:2295.2/24

Right Out: 189.493+/-0.818 χ^2/NDF: 6716.0/28

Left In: 176.862+/-0.847 χ^2/NDF:1756.1/22

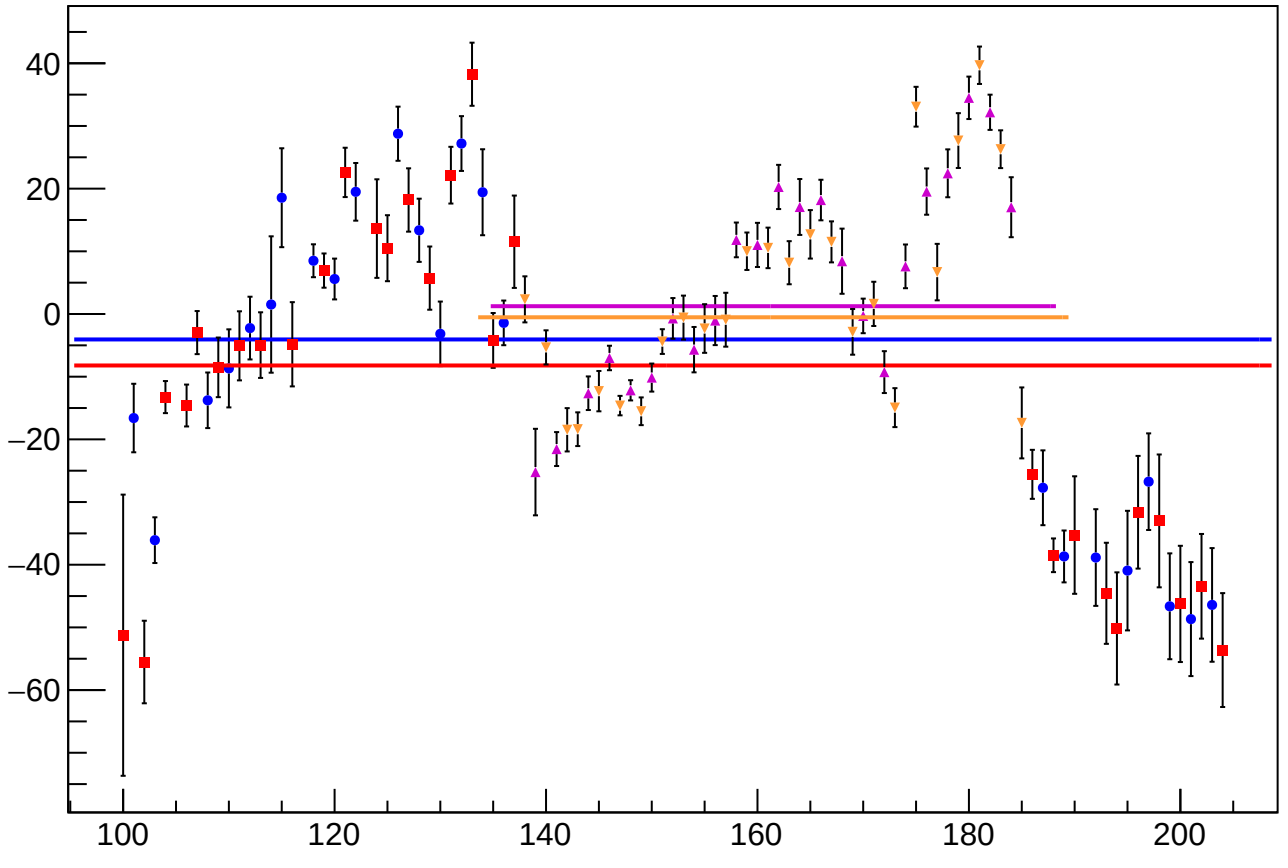
Left: 175.968+/-0.590 χ^2/NDF: 4053.4/47

Right: 188.645+/-0.621 χ^2/NDF: 9454.9/52

In: 181.542+/-0.634 χ^2/NDF:4561.8/46

Out: 182.340+/-0.580 χ^2/NDF:9164.6/53

All: 181.976+/-0.428 χ^2/NDF: 13727.2/100



Right In: -4.060+/-1.006 χ^2/NDF: 488.3/23

Left Out: -0.523+/-0.601 χ^2/NDF:724.5/24

Right Out: -8.213+/-0.884 χ^2/NDF: 620.8/28

Left In: 1.244+/-0.625 χ^2/NDF:620.6/22

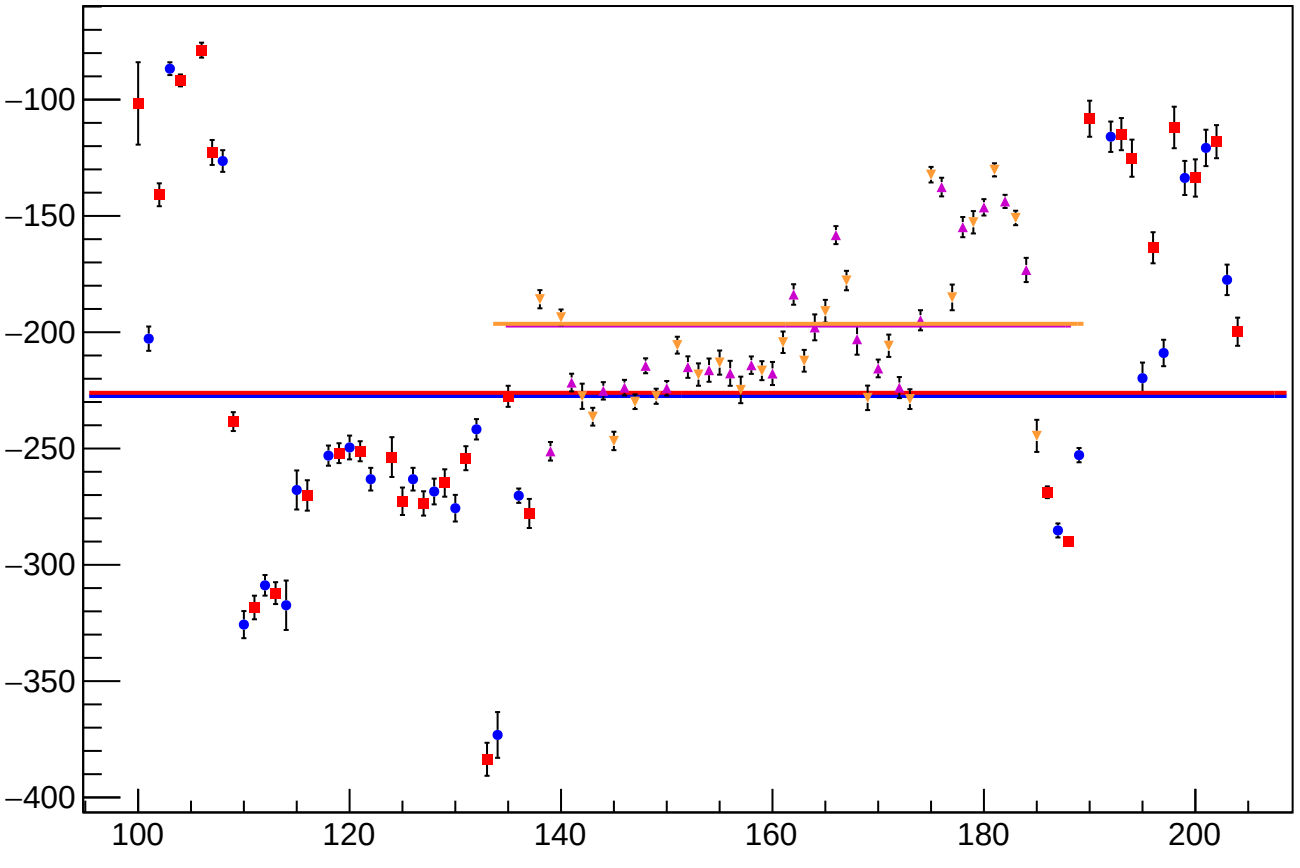
Left: 0.325+/-0.433 χ^2/NDF: 1349.2/47

Right: -6.402+/-0.664 χ^2/NDF: 1118.7/52

In: -0.235+/-0.531 χ^2/NDF:1128.9/46

Out: -2.951+/-0.497 χ^2/NDF:1397.0/53

All: -1.683+/-0.363 χ^2/NDF: 2539.8/100



Right In: -227.428+/-0.965 χ^2/NDF: 5686.7/23

Left Out: -196.380+/-0.816 χ^2/NDF:1997.7/24

Right Out: -226.043+/-0.799 χ^2/NDF: 10426.2/28

Left In: -197.128+/-0.837 χ^2/NDF:1601.5/22

Left: -196.744+/-0.584 χ^2/NDF: 3599.6/47

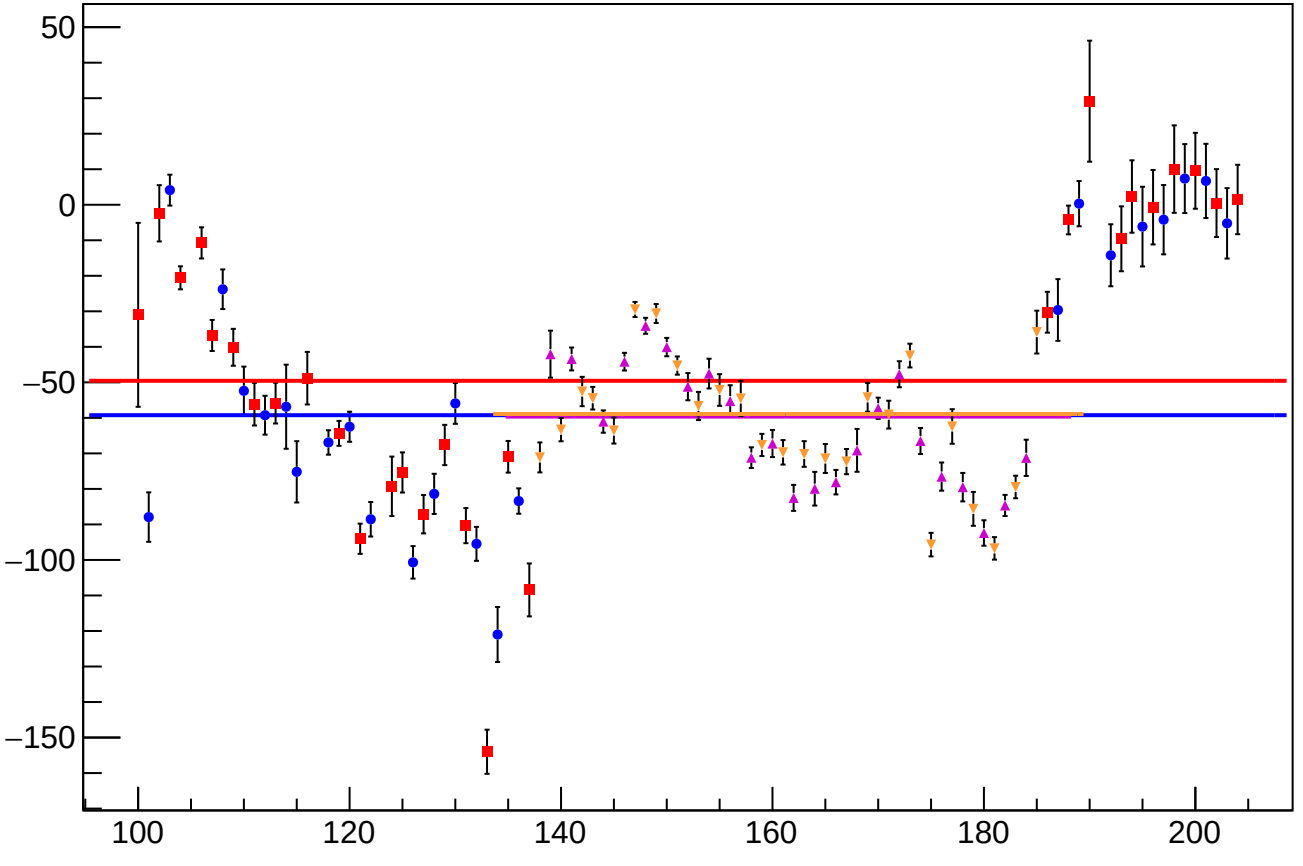
Right: -226.606+/-0.615 χ^2/NDF: 16114.2/52

In: -210.141+/-0.632 χ^2/NDF:7851.3/46

Out: -211.528+/-0.571 χ^2/NDF:13099.1/53

All: -210.905+/-0.424 χ^2/NDF: 20953.1/100

reg_asym_usr_atr2_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -59.246+/-1.185 χ^2/NDF: 876.8/23

Left Out: -58.910+/-0.695 χ^2/NDF:782.5/24

Right Out: -49.561+/-1.069 χ^2/NDF: 1197.7/28

Left In: -59.637+/-0.718 χ^2/NDF:597.0/22

Left: -59.261+/-0.499 χ^2/NDF: 1380.0/47

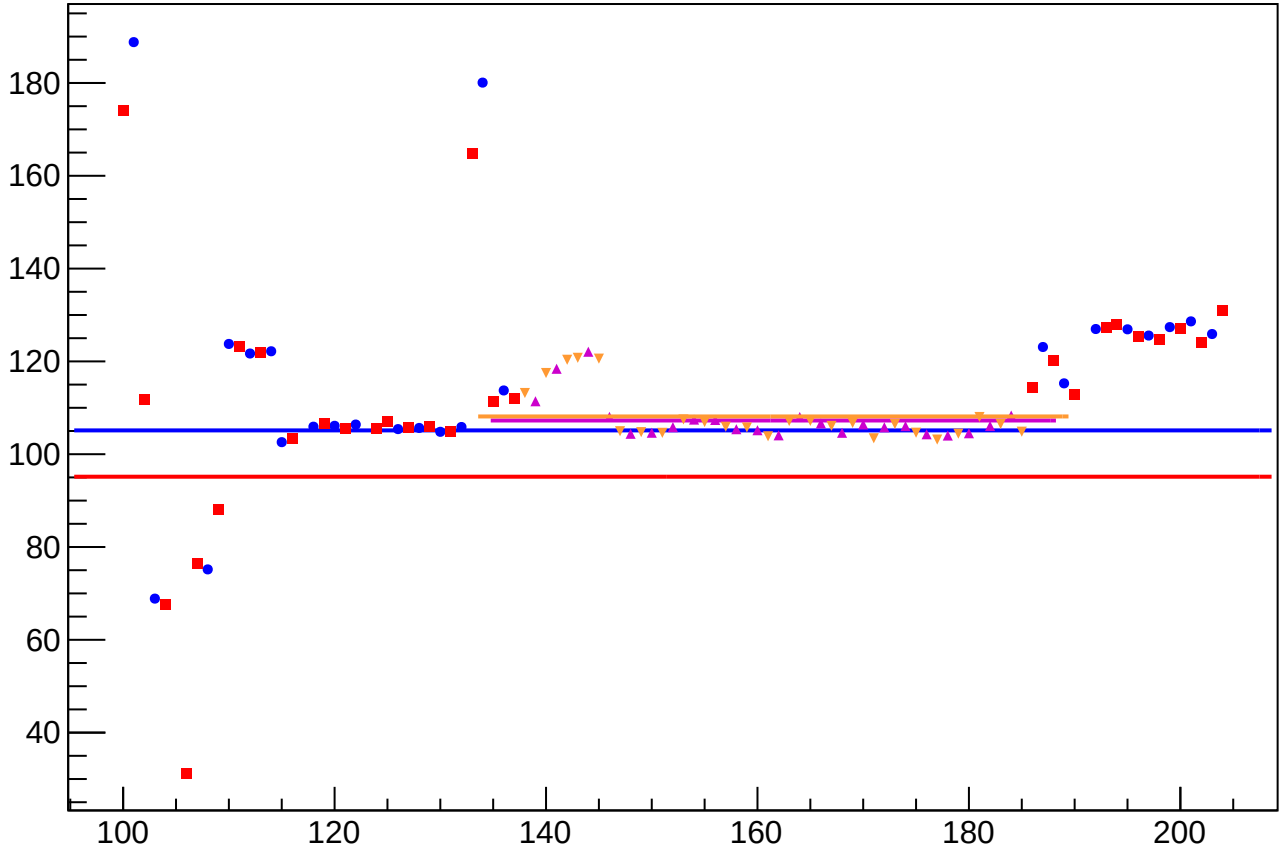
Right: -53.904+/-0.794 χ^2/NDF: 2111.3/52

In: -59.532+/-0.614 χ^2/NDF:1473.9/46

Out: -56.132+/-0.583 χ^2/NDF:2033.9/53

All: -57.742+/-0.423 χ^2/NDF: 3524.0/100

reg_asym_usr_atr2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 105.130+/-0.057 χ^2/NDF: 271248.6/23

Left Out: 108.136+/-0.032 χ^2/NDF:26420.1/24

Right Out: 95.150+/-0.052 χ^2/NDF: 385321.2/28

Left In: 107.266+/-0.033 χ^2/NDF:16879.3/22

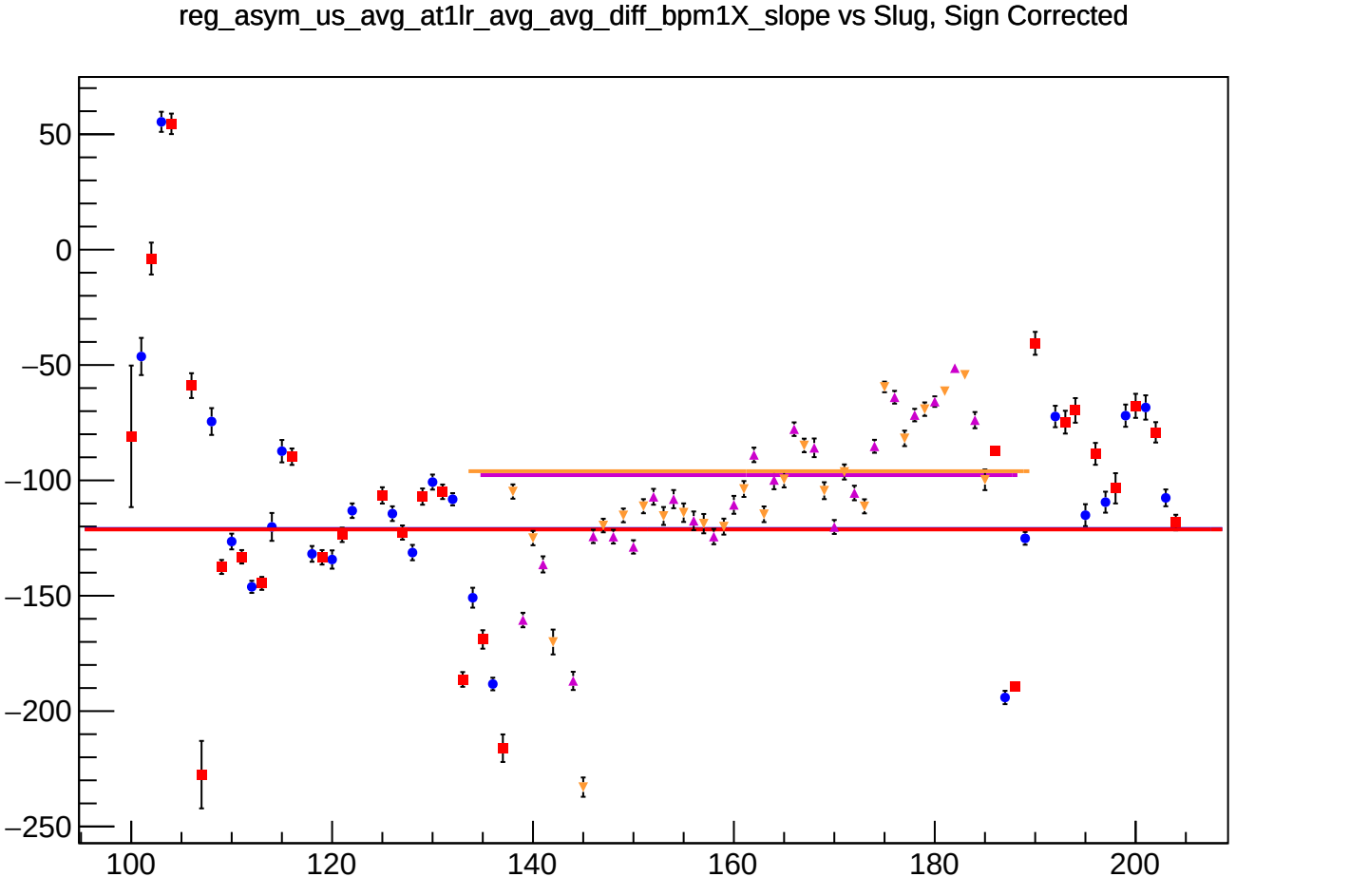
Left: 107.706+/-0.023 χ^2/NDF: 43654.4/47

Right: 99.658+/-0.038 χ^2/NDF: 673311.2/52

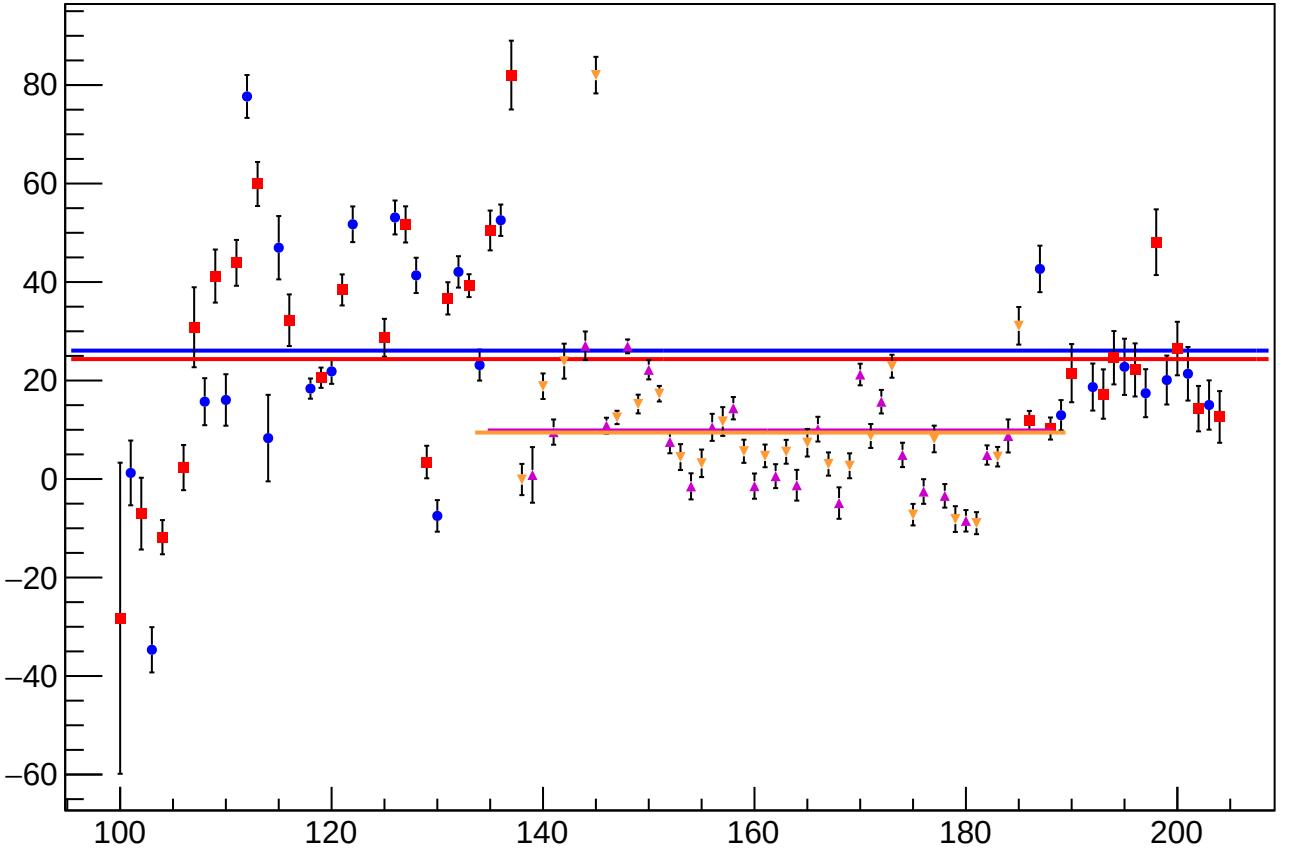
In: 106.735+/-0.028 χ^2/NDF:289179.7/46

Out: 104.479+/-0.028 χ^2/NDF:456824.4/53

All: 105.569+/-0.020 χ^2/NDF: 749251.4/100


reg_asym_us_avg_at1lr_avg_avg_diff_bpm1X_slope vs Slug, Sign Corrected
50
0
−50
−100
−150
−200
−250
100
120
140
160
180
200
Right In: -121.058+/-0.745 χ²/NDF: 3664.3/23
Left Out: -96.026+/-0.635 χ²/NDF:2770.9/23
Right Out: -121.263+/-0.644 χ²/NDF: 5991.9/27
Left In: -97.713+/-0.639 χ²/NDF:2640.9/22
Left: -96.865+/-0.450 χ²/NDF: 5415.3/46
Right: -121.175+/-0.487 χ²/NDF: 9656.3/51
In: -107.603+/-0.485 χ²/NDF:6871.4/46
Out: -108.458+/-0.452 χ²/NDF:9541.3/51
All: -108.060+/-0.331 χ²/NDF: 16414.4/98

reg_asym_us_avg_at1lr_avg_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 26.077+/-0.779 χ^2/NDF: 747.2/23

Left Out: 9.438+/-0.478 χ^2/NDF:736.4/23

Right Out: 24.353+/-0.710 χ^2/NDF: 634.3/27

Left In: 9.864+/-0.487 χ^2/NDF:485.4/22

Left: 9.648+/-0.341 χ^2/NDF: 1222.1/46

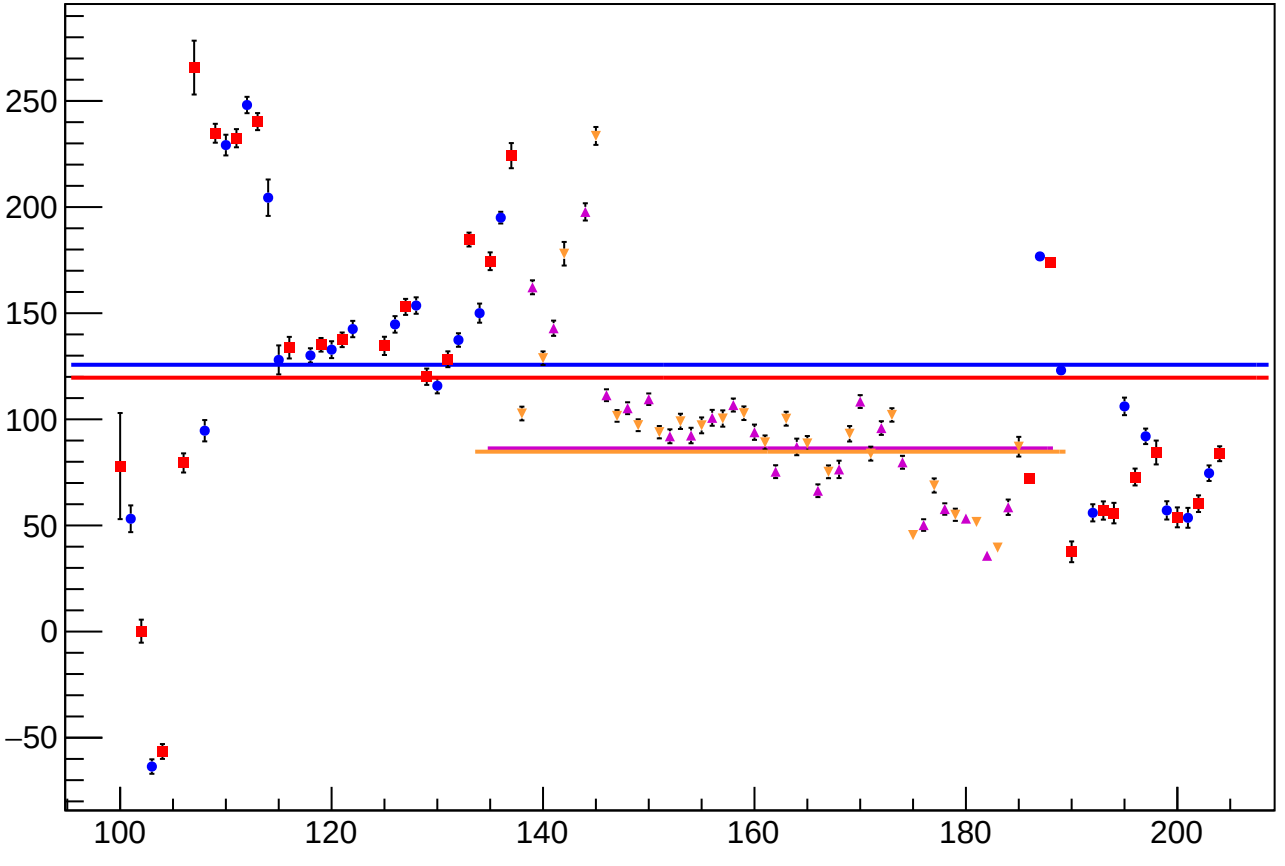
Right: 25.136+/-0.525 χ^2/NDF: 1384.2/51

In: 14.417+/-0.413 χ^2/NDF:1544.4/46

Out: 14.085+/-0.397 χ^2/NDF:1674.1/51

All: 14.245+/-0.286 χ^2/NDF: 3218.8/98

reg_asym_us_avg_at1lr_avg_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 125.703+/-0.761 χ^2/NDF: 7118.6/23

Left Out: 84.759+/-0.629 χ^2/NDF:3110.5/23

Right Out: 119.616+/-0.622 χ^2/NDF: 10901.5/27

Left In: 86.300+/-0.632 χ^2/NDF:3152.8/22

Left: 85.526+/-0.446 χ^2/NDF: 6266.2/46

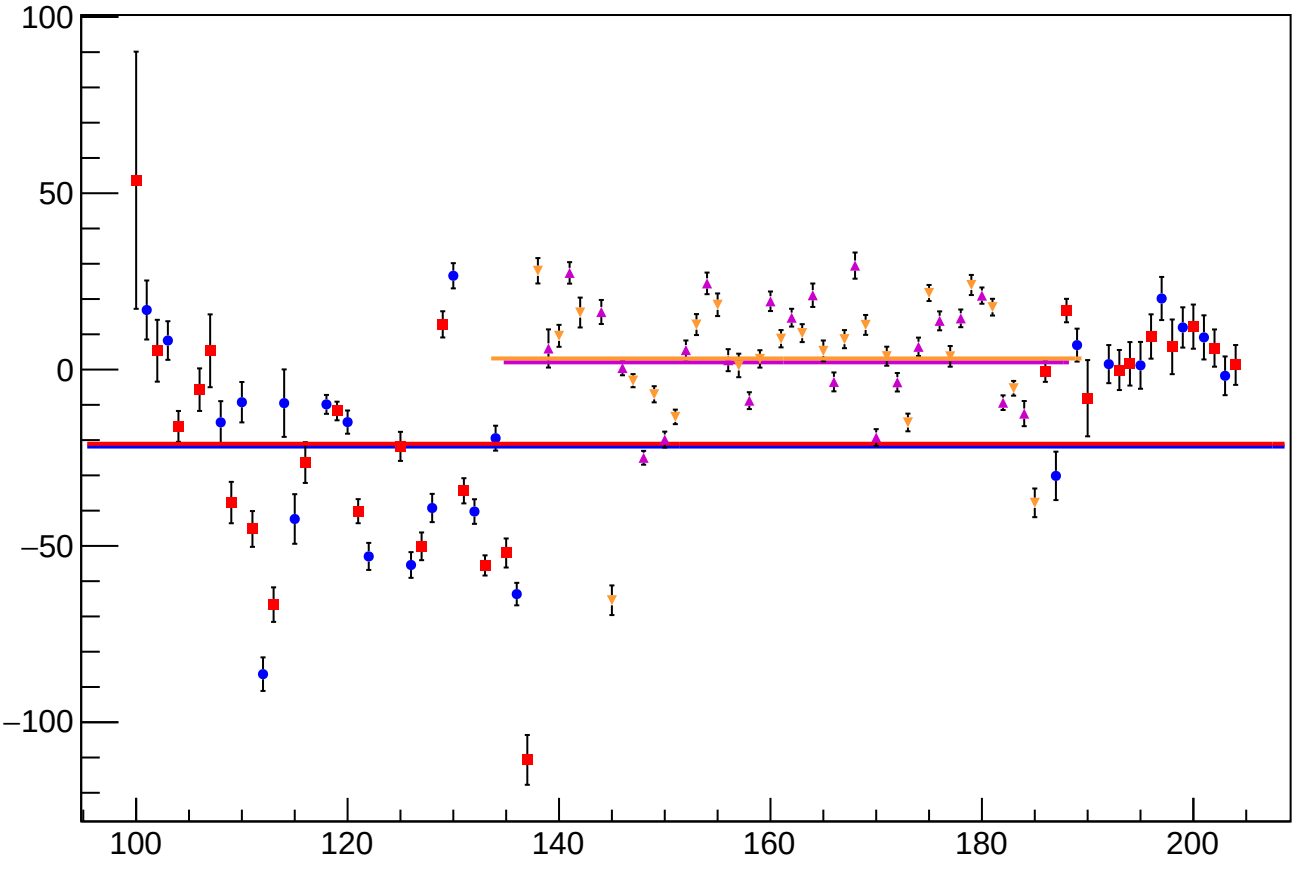
Right: 122.056+/-0.482 χ^2/NDF: 18058.5/51

In: 102.387+/-0.486 χ^2/NDF:11859.3/46

Out: 102.384+/-0.442 χ^2/NDF:15564.1/51

All: 102.385+/-0.327 χ^2/NDF: 27423.4/98

reg_asym_us_avg_at1lr_avg_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -21.825+/-0.914 χ^2/NDF: 1019.8/23

Left Out: 3.151+/-0.544 χ^2/NDF:813.9/23

Right Out: -21.033+/-0.860 χ^2/NDF: 1015.6/27

Left In: 2.050+/-0.551 χ^2/NDF:850.8/22

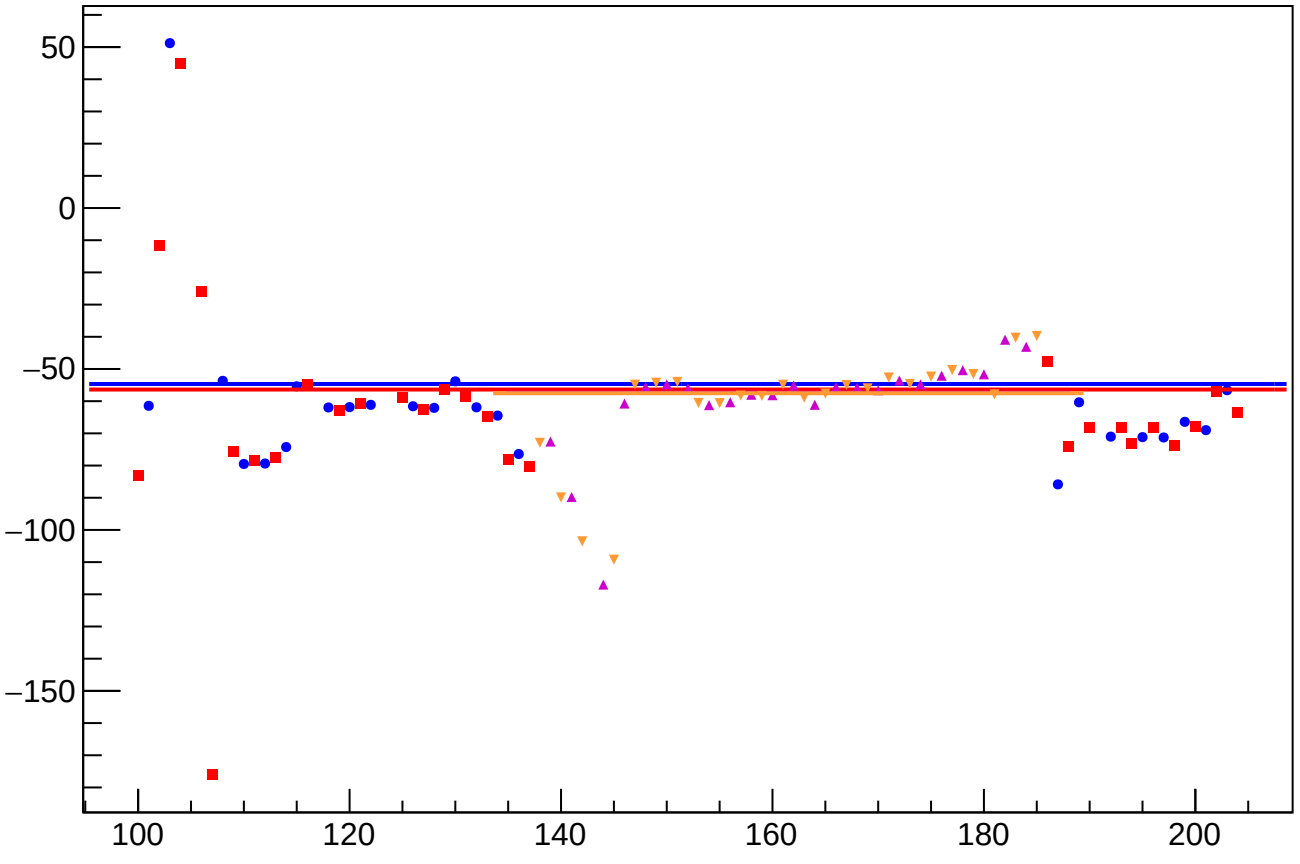
Left: 2.608+/-0.387 χ^2/NDF: 1666.7/46

Right: -21.405+/-0.627 χ^2/NDF: 2035.7/51

In: -4.314+/-0.472 χ^2/NDF:2371.0/46

Out: -3.750+/-0.460 χ^2/NDF:2394.0/51

All: -4.025+/-0.329 χ^2/NDF: 4765.8/98



Right In: -54.665+/-0.045 χ^2/NDF: 641858.3/23

Left Out: -57.532+/-0.025 χ^2/NDF:267030.7/23

Right Out: -56.384+/-0.044 χ^2/NDF: 561747.7/27

Left In: -57.377+/-0.025 χ^2/NDF:227136.8/22

Left: -57.455+/-0.018 χ^2/NDF: 494187.3/46

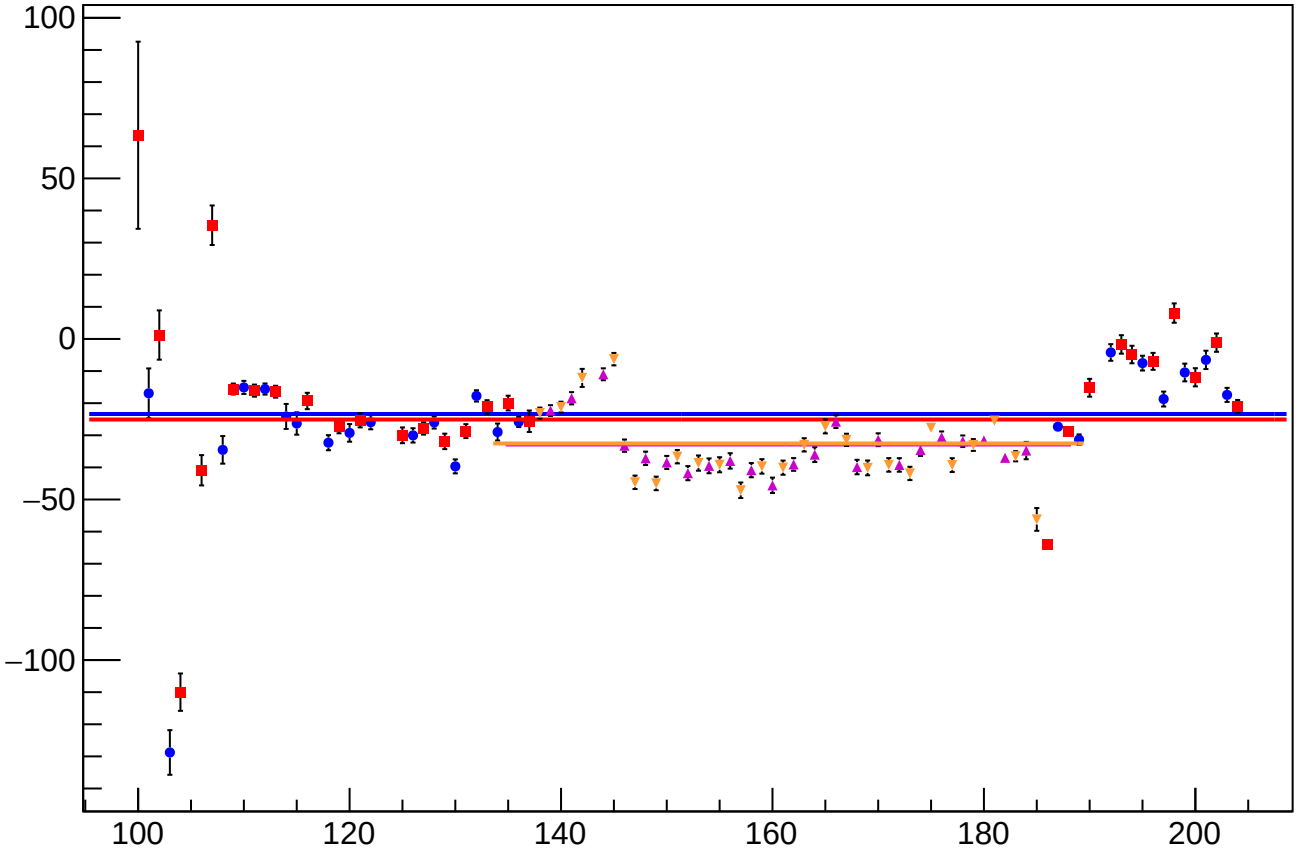
Right: -55.556+/-0.032 χ^2/NDF: 1204349.6/51

In: -56.755+/-0.022 χ^2/NDF:871746.5/46

Out: -57.254+/-0.022 χ^2/NDF:829300.2/51

All: -57.006+/-0.015 χ^2/NDF: 1701311.9/98

reg_asym_us_avg_at1lr_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -23.372+/-0.460 χ^2/NDF: 580.7/23

Left Out: -32.549+/-0.407 χ^2/NDF:603.6/23

Right Out: -25.089+/-0.409 χ^2/NDF: 1620.2/27

Left In: -32.867+/-0.411 χ^2/NDF:373.2/22

Left: -32.706+/-0.289 χ^2/NDF: 977.1/46

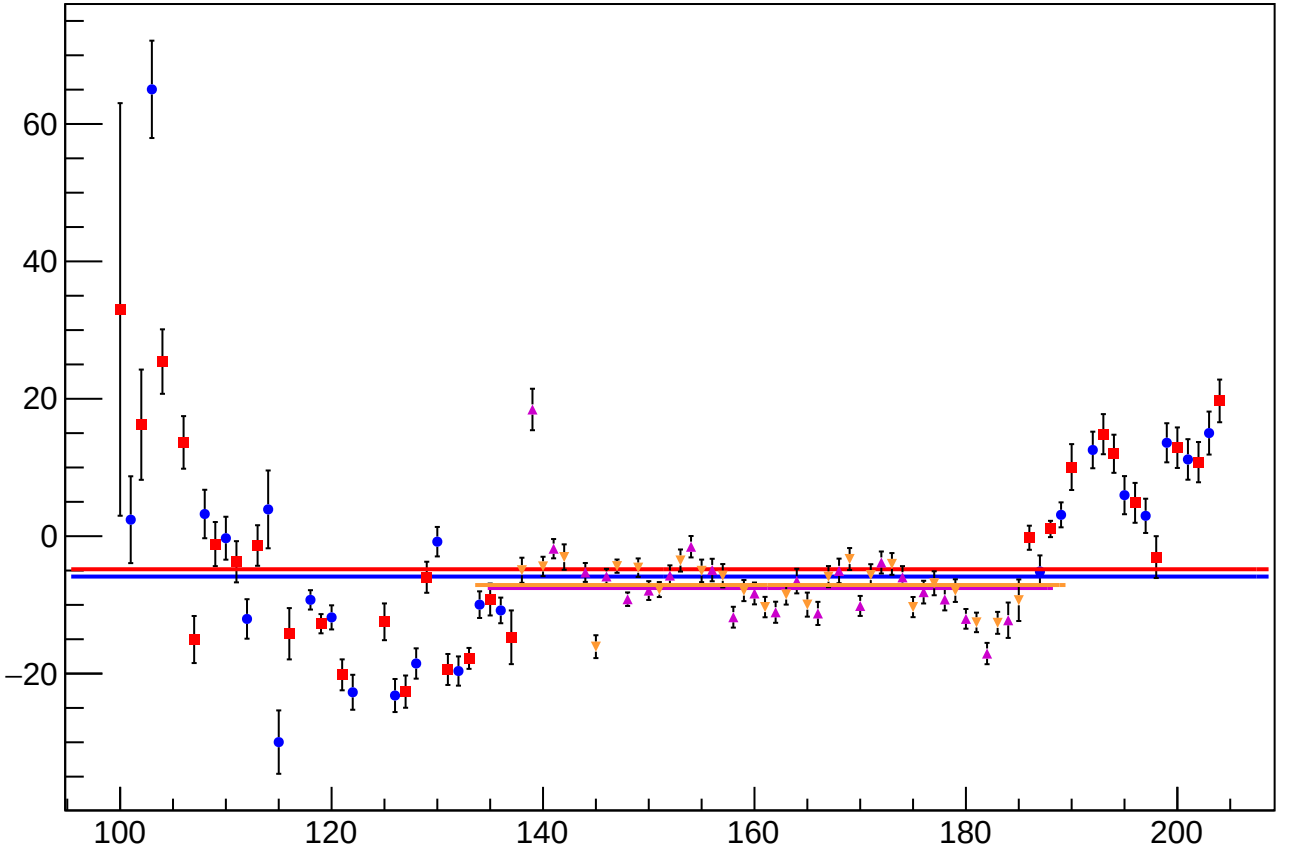
Right: -24.332+/-0.306 χ^2/NDF: 2208.7/51

In: -28.649+/-0.307 χ^2/NDF:1190.7/46

Out: -28.837+/-0.288 χ^2/NDF:2391.3/51

All: -28.749+/-0.210 χ^2/NDF: 3582.1/98

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -5.877+/-0.498 χ^2/NDF: 579.2/23

Left Out: -7.110+/-0.309 χ^2/NDF:109.5/23

Right Out: -4.813+/-0.464 χ^2/NDF: 631.5/27

Left In: -7.547+/-0.315 χ^2/NDF:199.7/22

Left: -7.324+/-0.221 χ^2/NDF: 310.2/46

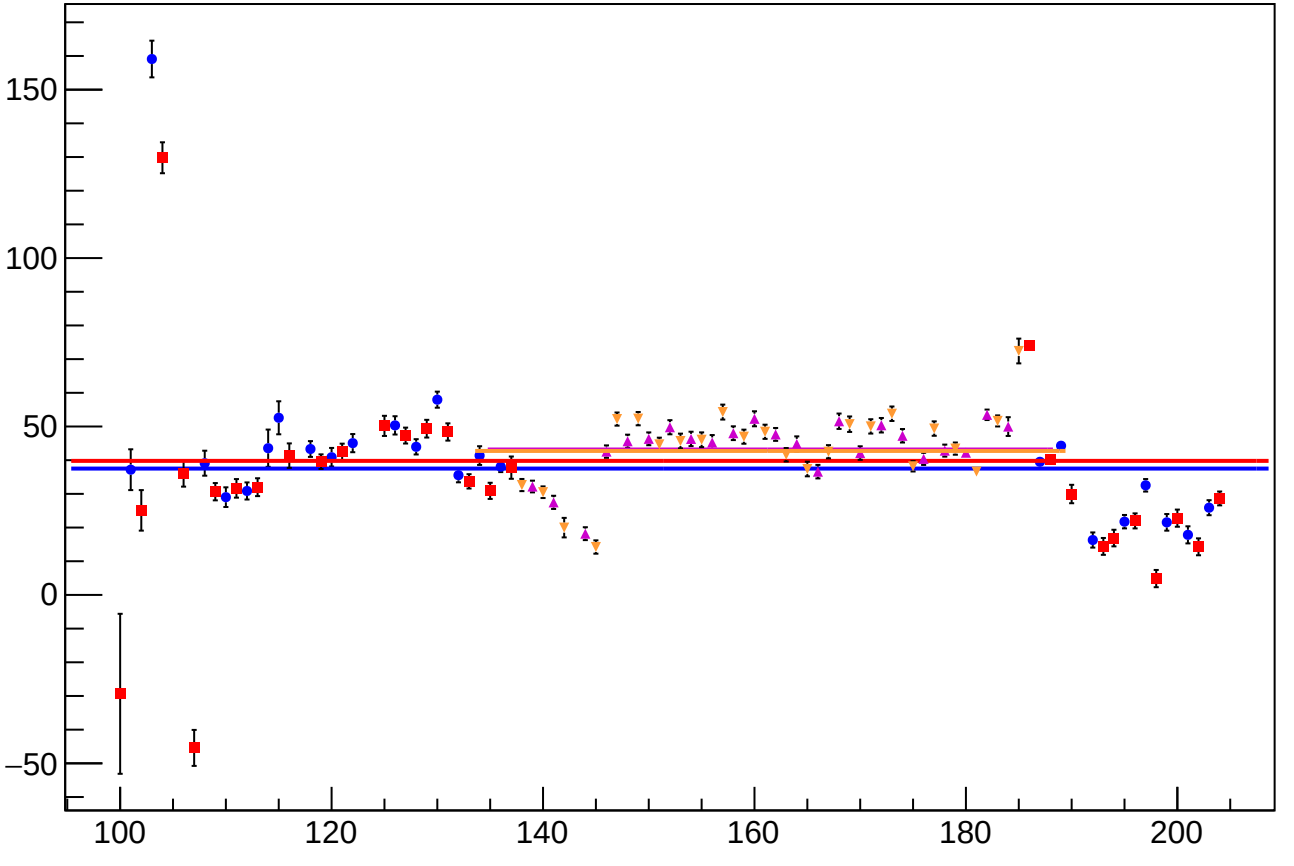
Right: -5.307+/-0.339 χ^2/NDF: 1213.1/51

In: -7.069+/-0.266 χ^2/NDF:786.9/46

Out: -6.403+/-0.257 χ^2/NDF:758.0/51

All: -6.725+/-0.185 χ^2/NDF: 1548.2/98

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 37.509+/-0.461 χ^2/NDF: 962.6/23

Left Out: 42.745+/-0.403 χ^2/NDF:631.5/23

Right Out: 39.795+/-0.394 χ^2/NDF: 2307.2/27

Left In: 43.169+/-0.407 χ^2/NDF:413.0/22

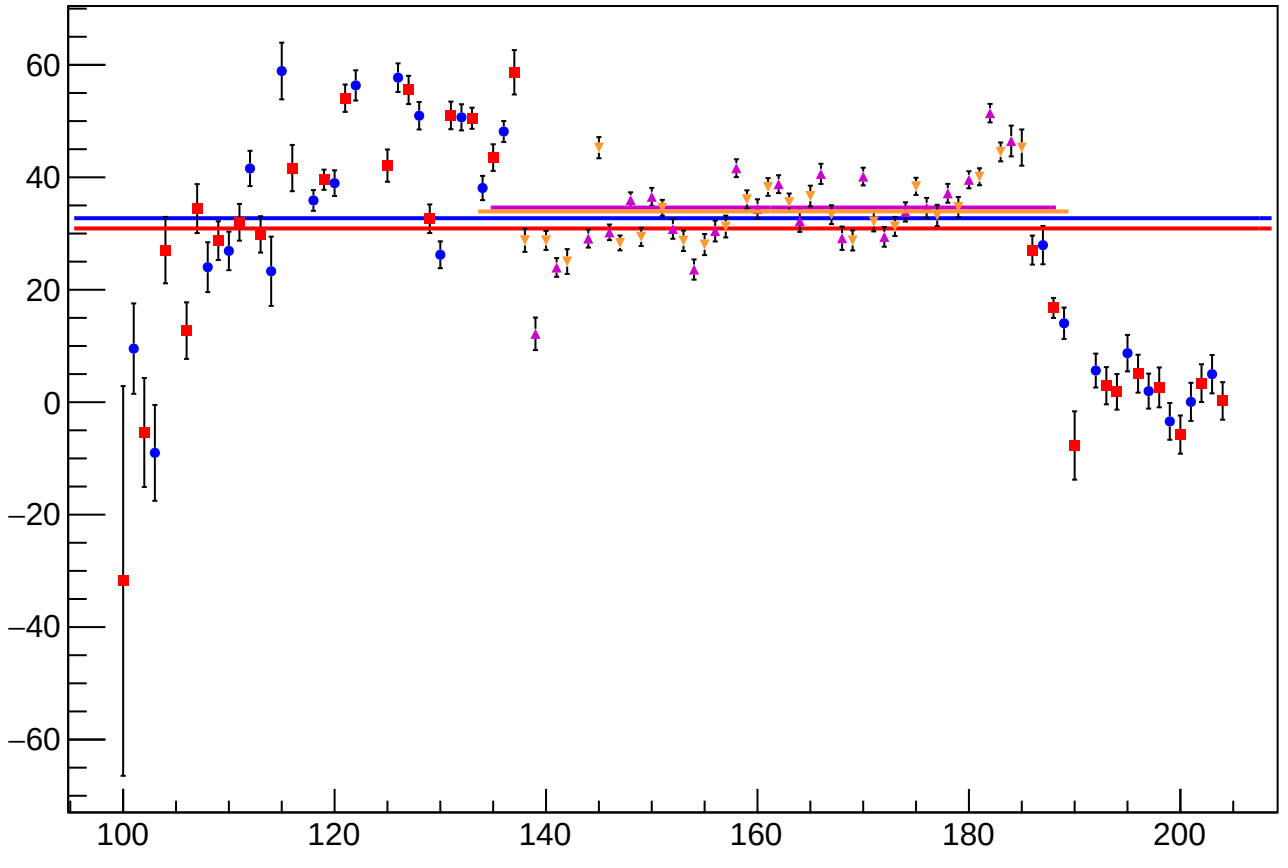
Left: 42.955+/-0.287 χ^2/NDF: 1045.1/46

Right: 38.829+/-0.300 χ^2/NDF: 3284.0/51

In: 40.689+/-0.305 χ^2/NDF:1460.3/46

Out: 41.236+/-0.282 χ^2/NDF:2966.1/51

All: 40.984+/-0.207 χ^2/NDF: 4428.1/98



Right In: 32.725+/-0.584 χ^2/NDF: 1017.9/23

Left Out: 33.930+/-0.351 χ^2/NDF:216.5/23

Right Out: 30.902+/-0.560 χ^2/NDF: 1170.1/27

Left In: 34.623+/-0.356 χ^2/NDF:376.1/22

Left: 34.271+/-0.250 χ^2/NDF: 594.5/46

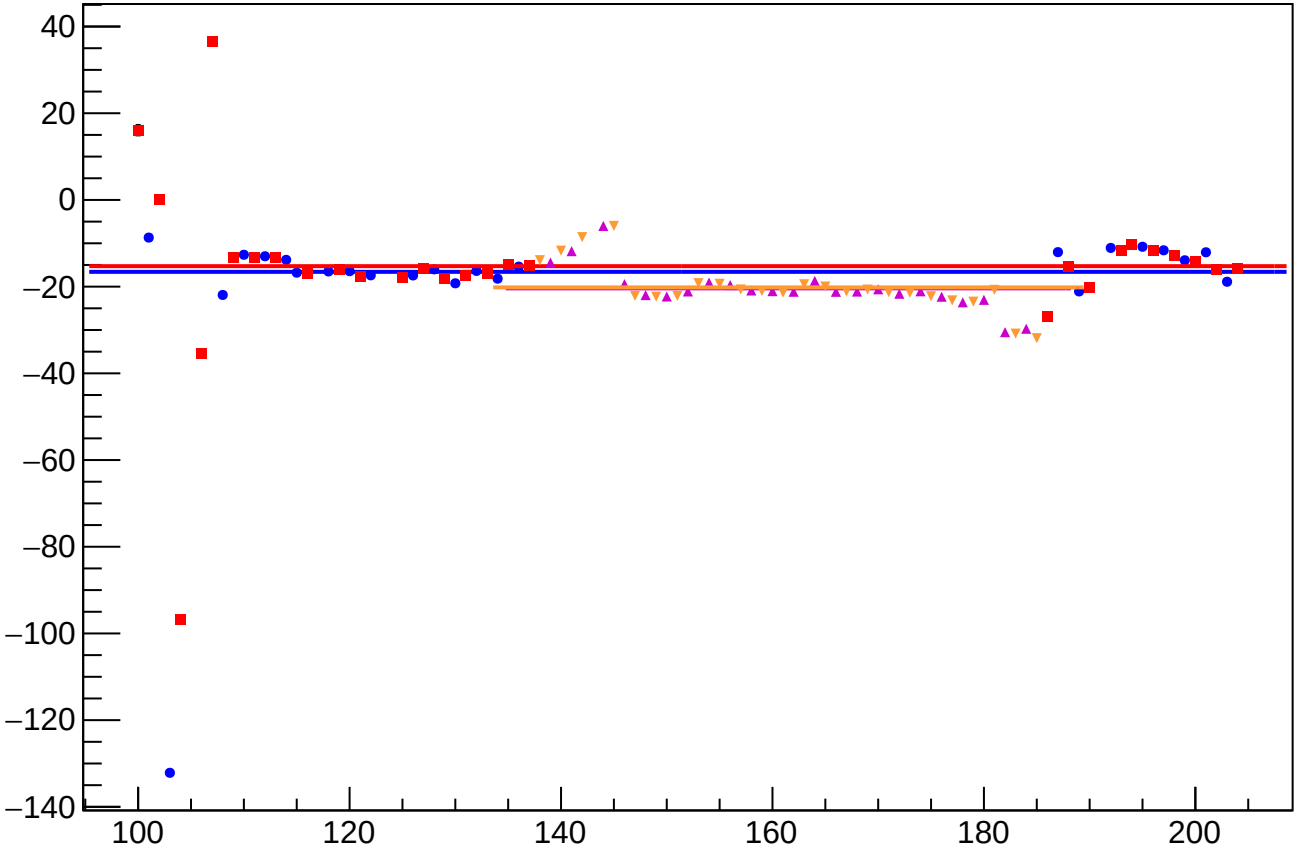
Right: 31.775+/-0.404 χ^2/NDF: 2193.1/51

In: 34.109+/-0.304 χ^2/NDF:1401.6/46

Out: 33.077+/-0.297 χ^2/NDF:1407.7/51

All: 33.581+/-0.213 χ^2/NDF: 2815.2/98

reg_asym_us_avg_at1lr_avg_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -16.585+/-0.028 χ^2/NDF: 268028.2/23

Left Out: -20.174+/-0.016 χ^2/NDF:99947.2/23

Right Out: -15.275+/-0.027 χ^2/NDF: 217366.5/27

Left In: -20.396+/-0.016 χ^2/NDF:81154.4/22

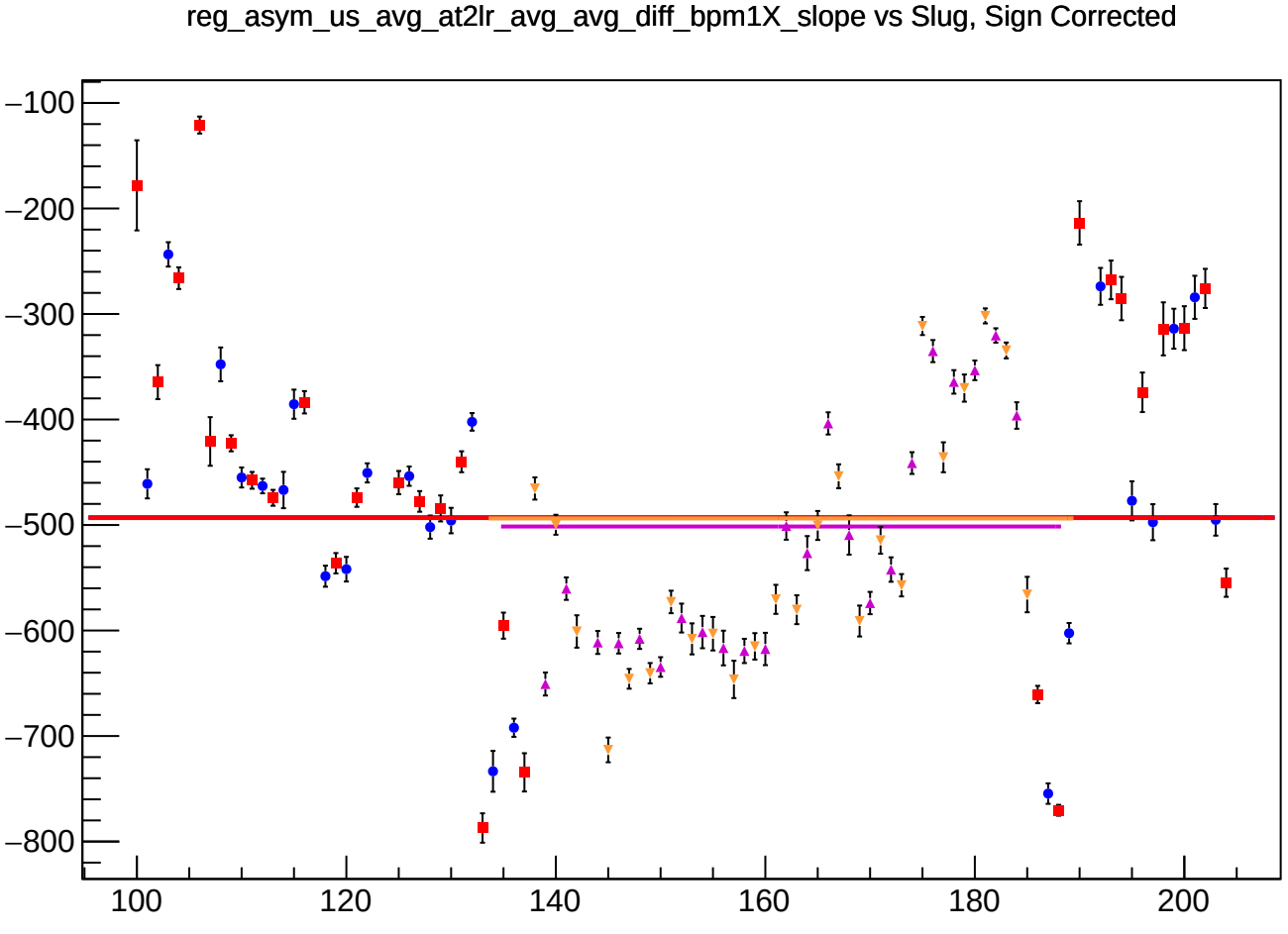
Left: -20.285+/-0.011 χ^2/NDF: 181200.8/46

Right: -15.907+/-0.020 χ^2/NDF: 486496.9/51

In: -19.497+/-0.014 χ^2/NDF:362939.3/46

Out: -18.955+/-0.014 χ^2/NDF:341318.9/51

All: -19.223+/-0.010 χ^2/NDF: 705037.2/98



Right In: -492.686+/-2.326 χ^2/NDF: 2753.1/23

Left Out: -493.722+/-2.295 χ^2/NDF:3150.0/23

Right Out: -493.440+/-2.041 χ^2/NDF: 7791.1/27

Left In: -501.425+/-2.306 χ^2/NDF:2689.3/22

Left: -497.555+/-1.627 χ^2/NDF: 5844.9/46

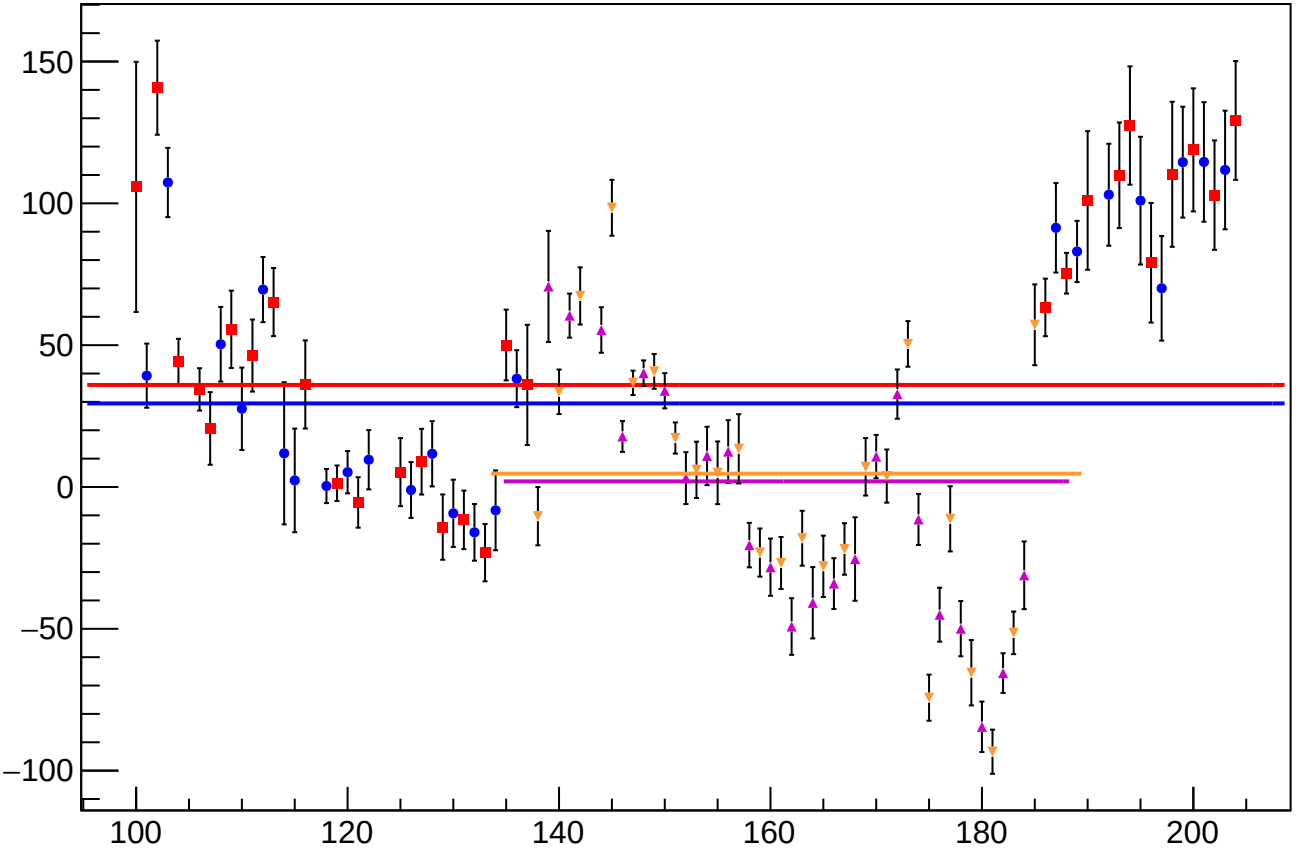
Right: -493.112+/-1.534 χ^2/NDF: 10544.2/51

In: -497.092+/-1.638 χ^2/NDF:5449.5/46

Out: -493.564+/-1.525 χ^2/NDF:10941.1/51

All: -495.203+/-1.116 χ^2/NDF: 16393.1/98

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 29.459+/-2.427 χ^2/NDF: 270.3/23

Left Out: 4.709+/-1.696 χ^2/NDF:680.3/23

Right Out: 35.981+/-2.231 χ^2/NDF: 332.3/27

Left In: 1.970+/-1.722 χ^2/NDF:560.8/22

Left: 3.360+/-1.208 χ^2/NDF: 1242.4/46

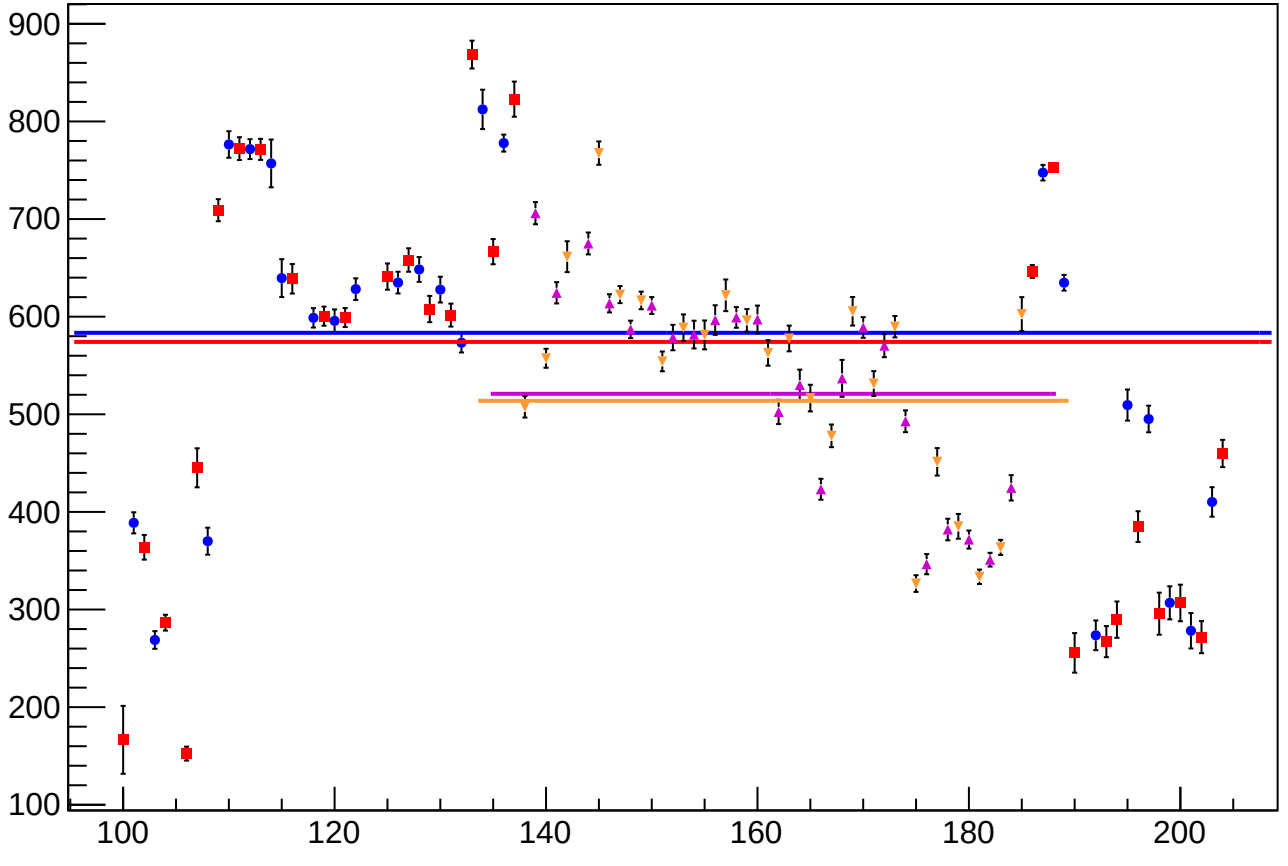
Right: 32.995+/-1.643 χ^2/NDF: 606.5/51

In: 11.172+/-1.404 χ^2/NDF:916.4/46

Out: 16.161+/-1.350 χ^2/NDF:1137.2/51

All: 13.765+/-0.973 χ^2/NDF: 2060.2/98

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 583.478+/-2.410 χ^2/NDF: 4699.7/23

Left Out: 513.833+/-2.277 χ^2/NDF:2735.5/23

Right Out: 574.158+/-2.036 χ^2/NDF: 10470.1/27

Left In: 520.990+/-2.283 χ^2/NDF:2442.8/22

Left: 517.401+/-1.612 χ^2/NDF: 5183.2/46

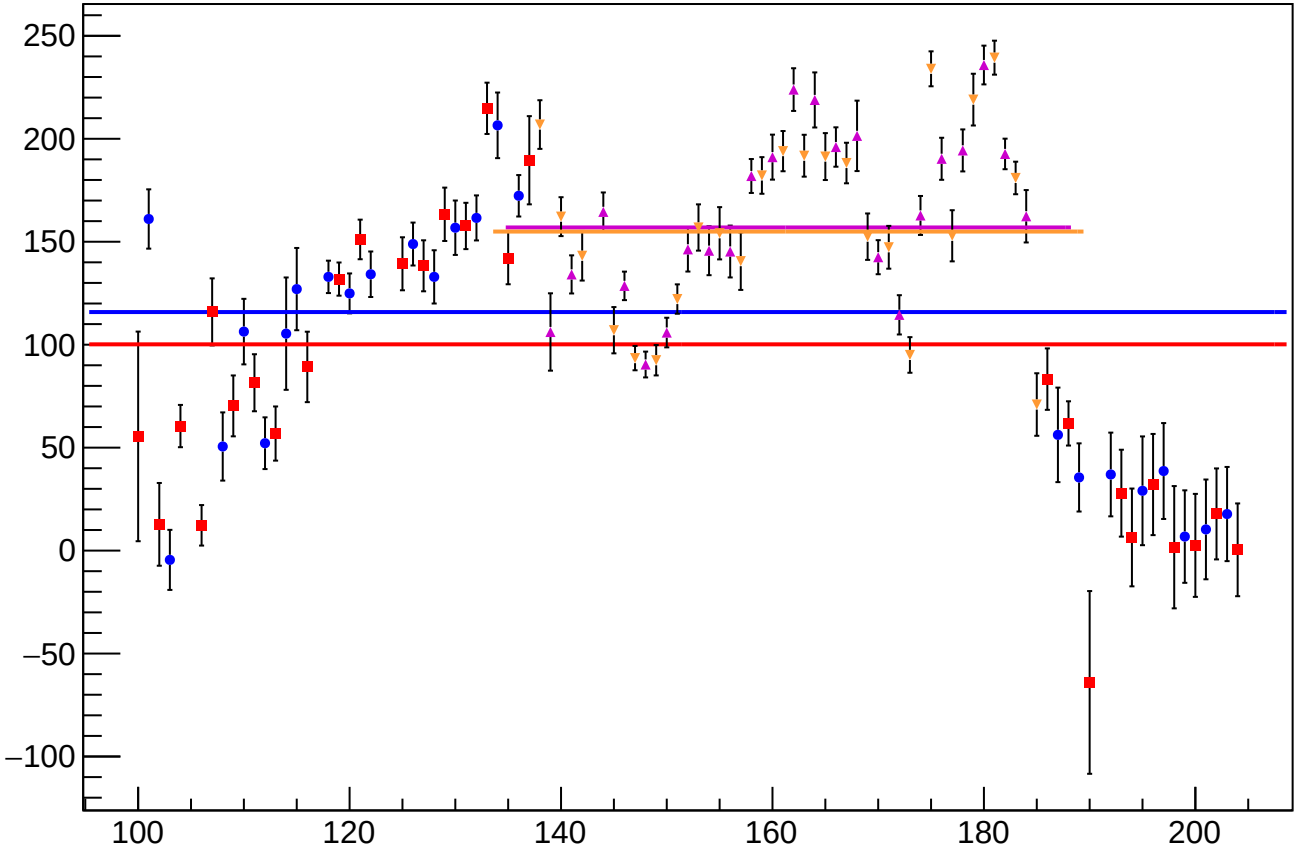
Right: 578.039+/-1.555 χ^2/NDF: 15178.6/51

In: 550.546+/-1.658 χ^2/NDF:7496.8/46

Out: 547.355+/-1.518 χ^2/NDF:13595.7/51

All: 548.810+/-1.119 χ^2/NDF: 21094.5/98

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 115.850+/-2.861 χ^2/NDF: 359.2/23

Left Out: 154.944+/-1.953 χ^2/NDF:609.0/23

Right Out: 100.173+/-2.682 χ^2/NDF: 480.2/27

Left In: 156.934+/-1.971 χ^2/NDF:443.2/22

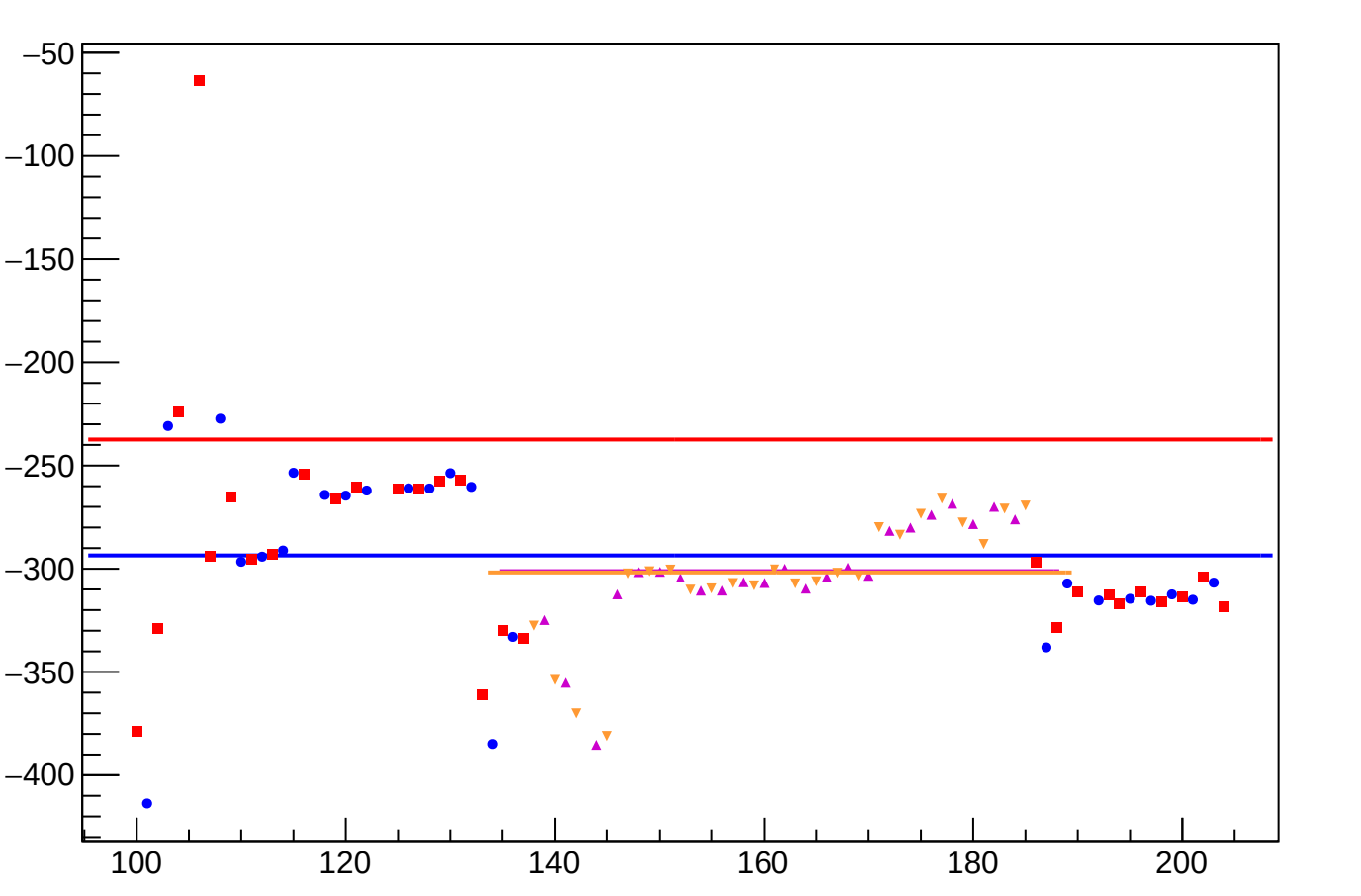
Left: 155.930+/-1.387 χ^2/NDF: 1052.7/46

Right: 107.508+/-1.957 χ^2/NDF: 855.4/51

In: 143.707+/-1.623 χ^2/NDF:942.2/46

Out: 135.967+/-1.579 χ^2/NDF:1361.7/51

All: 139.730+/-1.132 χ^2/NDF: 2315.6/98



Right In: -293.549+/-0.148 χ^2/NDF: 112986.1/23

Left Out: -301.785+/-0.091 χ^2/NDF:86719.4/23

Right Out: -237.385+/-0.127 χ^2/NDF: 679762.9/27

Left In: -301.176+/-0.090 χ^2/NDF:75325.3/22

Left: -301.478+/-0.064 χ^2/NDF: 162067.4/46

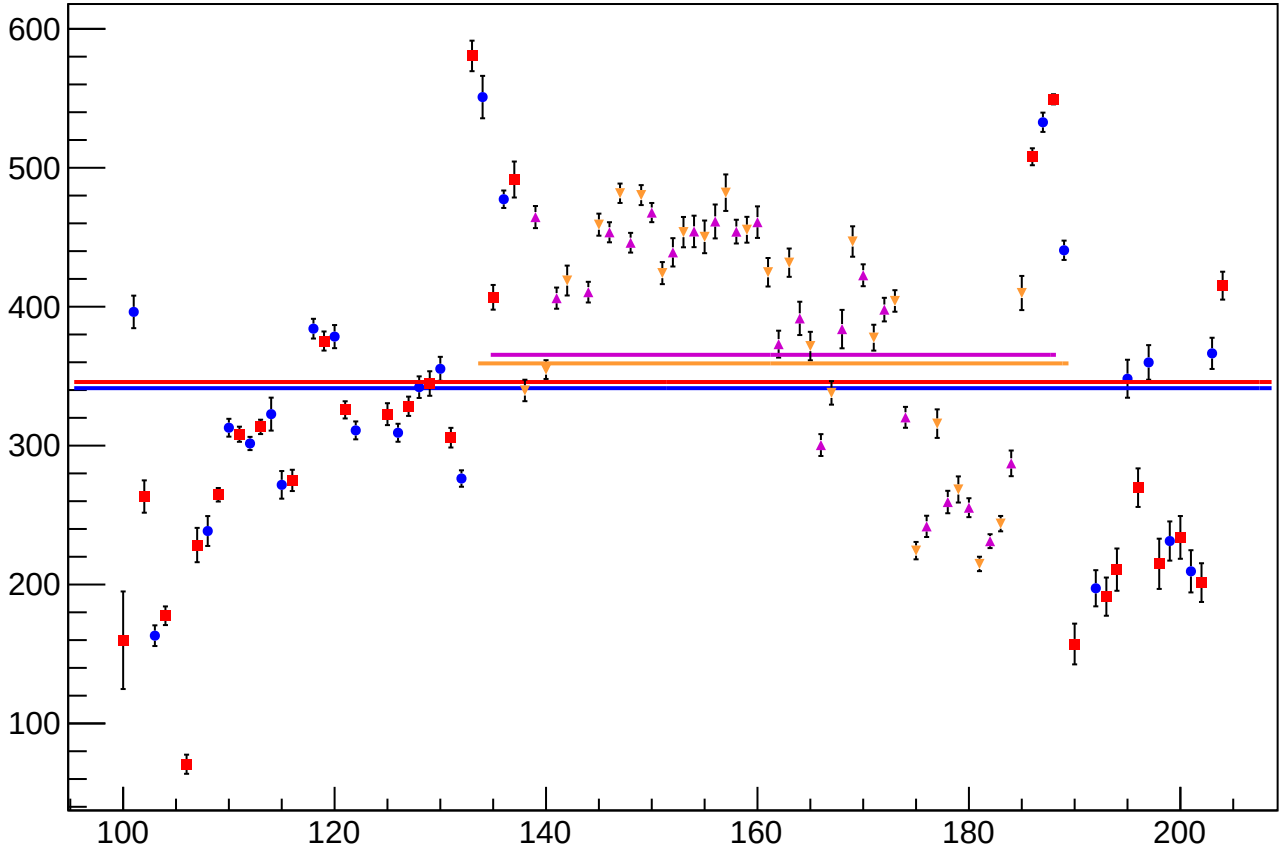
Right: -261.054+/-0.096 χ^2/NDF: 875755.5/51

In: -299.122+/-0.077 χ^2/NDF:190244.4/46

Out: -279.902+/-0.074 χ^2/NDF:937451.1/51

All: -289.107+/-0.053 χ^2/NDF: 1160203.1/98

reg_asym_us_avg_at2lr_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 341.352+/-1.652 χ^2/NDF: 2941.6/23

Left Out: 359.188+/-1.681 χ^2/NDF:3187.9/23

Right Out: 345.789+/-1.449 χ^2/NDF: 8026.0/27

Left In: 365.362+/-1.692 χ^2/NDF:2739.5/22

Left: 362.254+/-1.193 χ^2/NDF: 5934.1/46

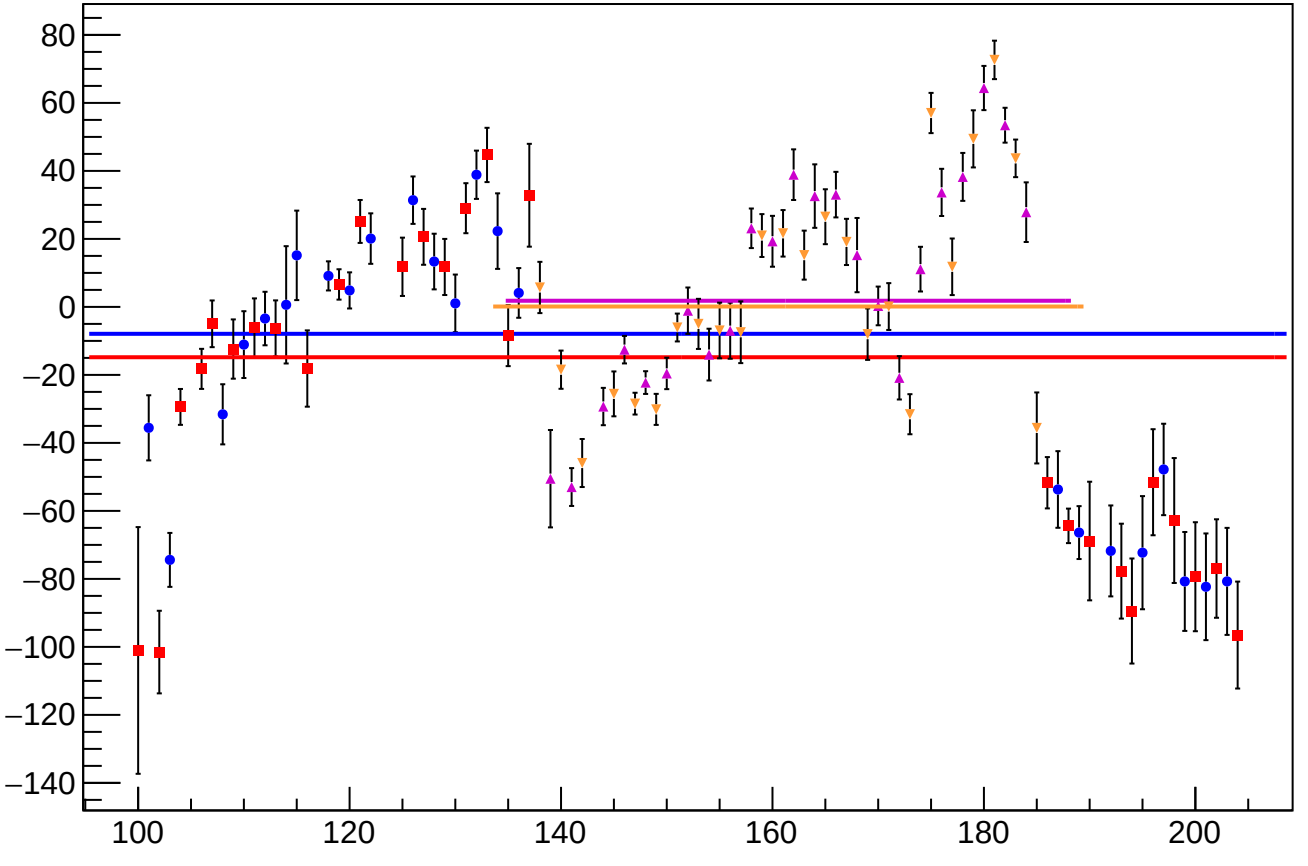
Right: 343.859+/-1.089 χ^2/NDF: 10971.7/51

In: 353.065+/-1.182 χ^2/NDF:5784.2/46

Out: 351.502+/-1.098 χ^2/NDF:11250.3/51

All: 352.226+/-0.804 χ^2/NDF: 17035.5/98

reg_asym_us_avg_at2lr_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -7.915+/-1.737 χ^2/NDF: 406.9/23

Left Out: 0.114+/-1.247 χ^2/NDF:637.9/23

Right Out: -14.806+/-1.580 χ^2/NDF: 518.6/27

Left In: 1.812+/-1.267 χ^2/NDF:577.0/22

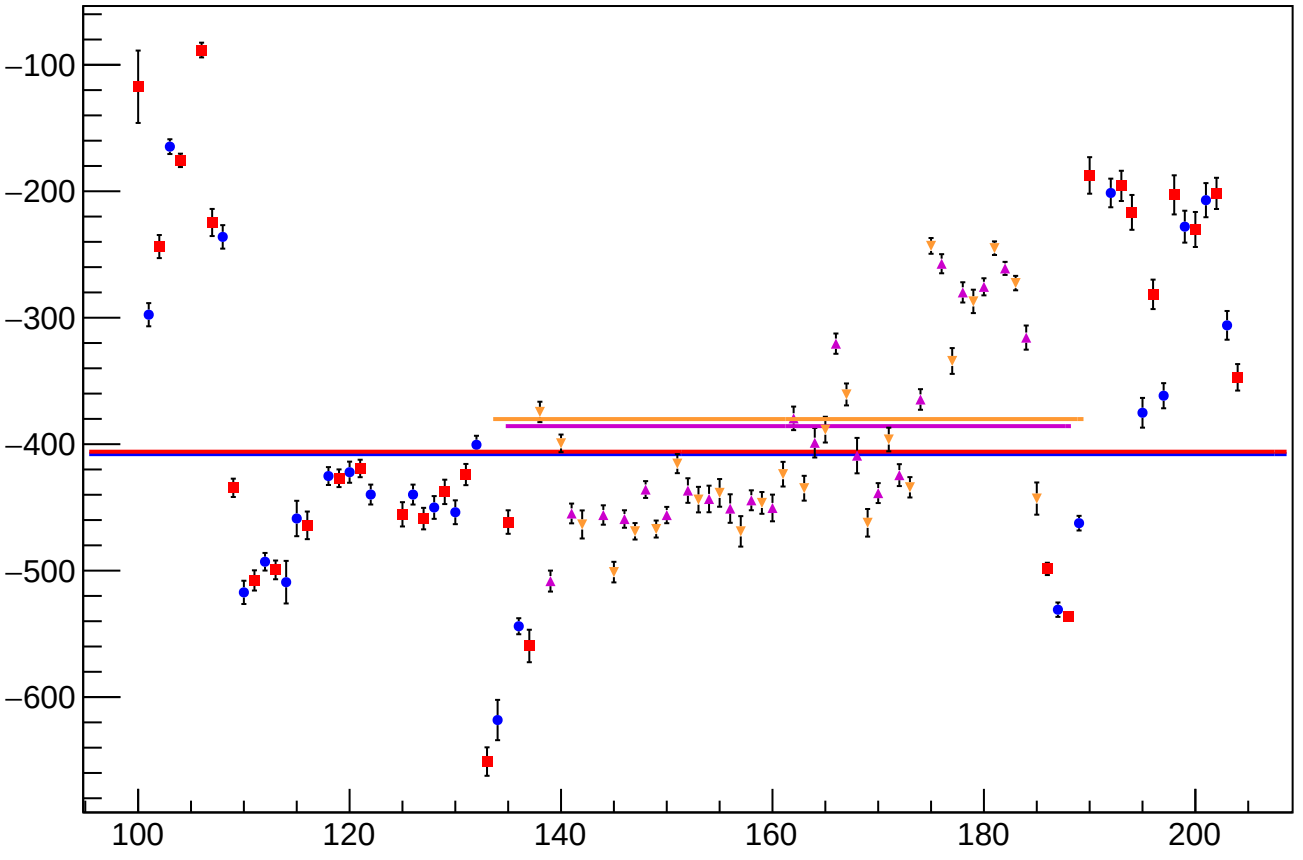
Left: 0.950+/-0.889 χ^2/NDF: 1215.9/46

Right: -11.687+/-1.169 χ^2/NDF: 934.2/51

In: -1.564+/-1.024 χ^2/NDF:1004.4/46

Out: -5.611+/-0.979 χ^2/NDF:1211.5/51

All: -3.678+/-0.707 χ^2/NDF: 2224.1/98



Right In: -407.889+/-1.721 χ^2/NDF: 4702.7/23

Left Out: -380.144+/-1.670 χ^2/NDF:2618.6/23

Right Out: -405.940+/-1.454 χ^2/NDF: 10504.6/27

Left In: -385.725+/-1.677 χ^2/NDF:2361.2/22

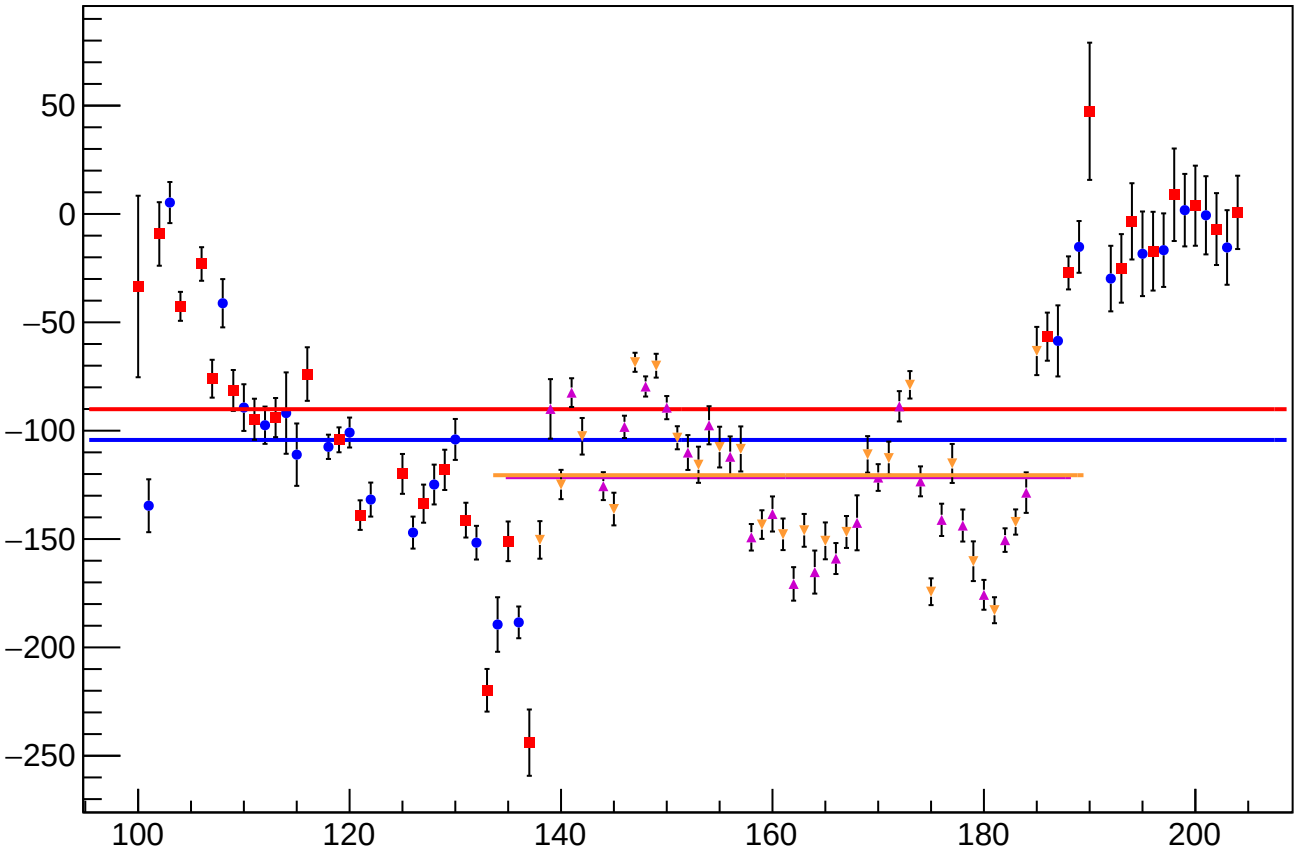
Left: -382.922+/-1.183 χ^2/NDF: 4985.4/46

Right: -406.752+/-1.110 χ^2/NDF: 15208.0/51

In: -396.522+/-1.201 χ^2/NDF:7149.0/46

Out: -394.817+/-1.096 χ^2/NDF:13259.0/51

All: -395.592+/-0.810 χ^2/NDF: 20409.1/98



Right In: -104.275+/-2.046 χ^2/NDF: 675.0/23

Left Out: -120.541+/-1.435 χ^2/NDF:611.5/23

Right Out: -90.082+/-1.898 χ^2/NDF: 878.9/27

Left In: -121.453+/-1.450 χ^2/NDF:432.6/22

Left: -120.992+/-1.020 χ^2/NDF: 1044.3/46

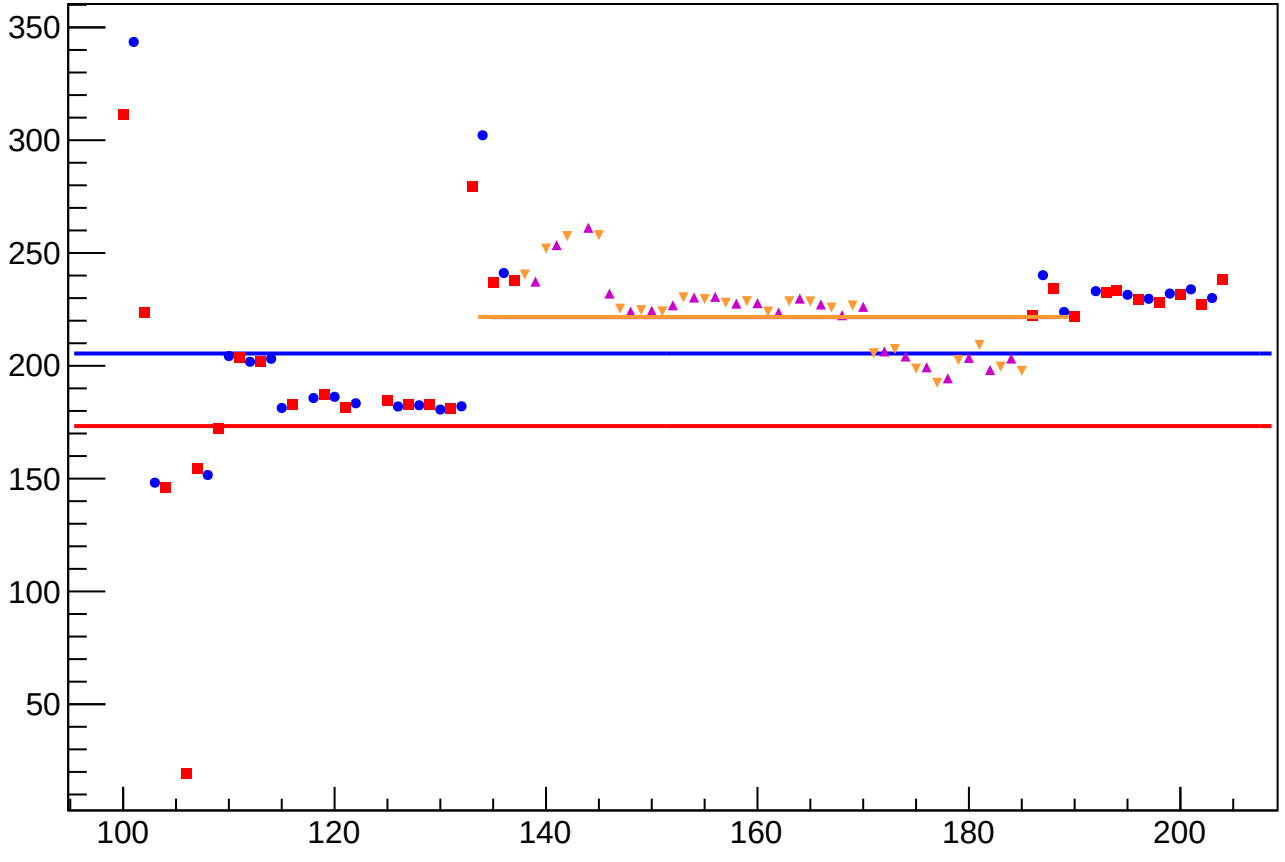
Right: -96.647+/-1.391 χ^2/NDF: 1579.9/51

In: -115.711+/-1.183 χ^2/NDF:1154.6/46

Out: -109.460+/-1.145 χ^2/NDF:1654.3/51

All: -112.484+/-0.823 χ^2/NDF: 2823.3/98

reg_asym_us_avg_at2lr_avg_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 205.454+/-0.106 χ^2/NDF: 200697.4/23

Left Out: 221.652+/-0.067 χ^2/NDF:67213.0/23

Right Out: 173.287+/-0.094 χ^2/NDF: 647247.7/27

Left In: 221.574+/-0.066 χ^2/NDF:62122.0/22

Left: 221.612+/-0.047 χ^2/NDF: 129335.7/46

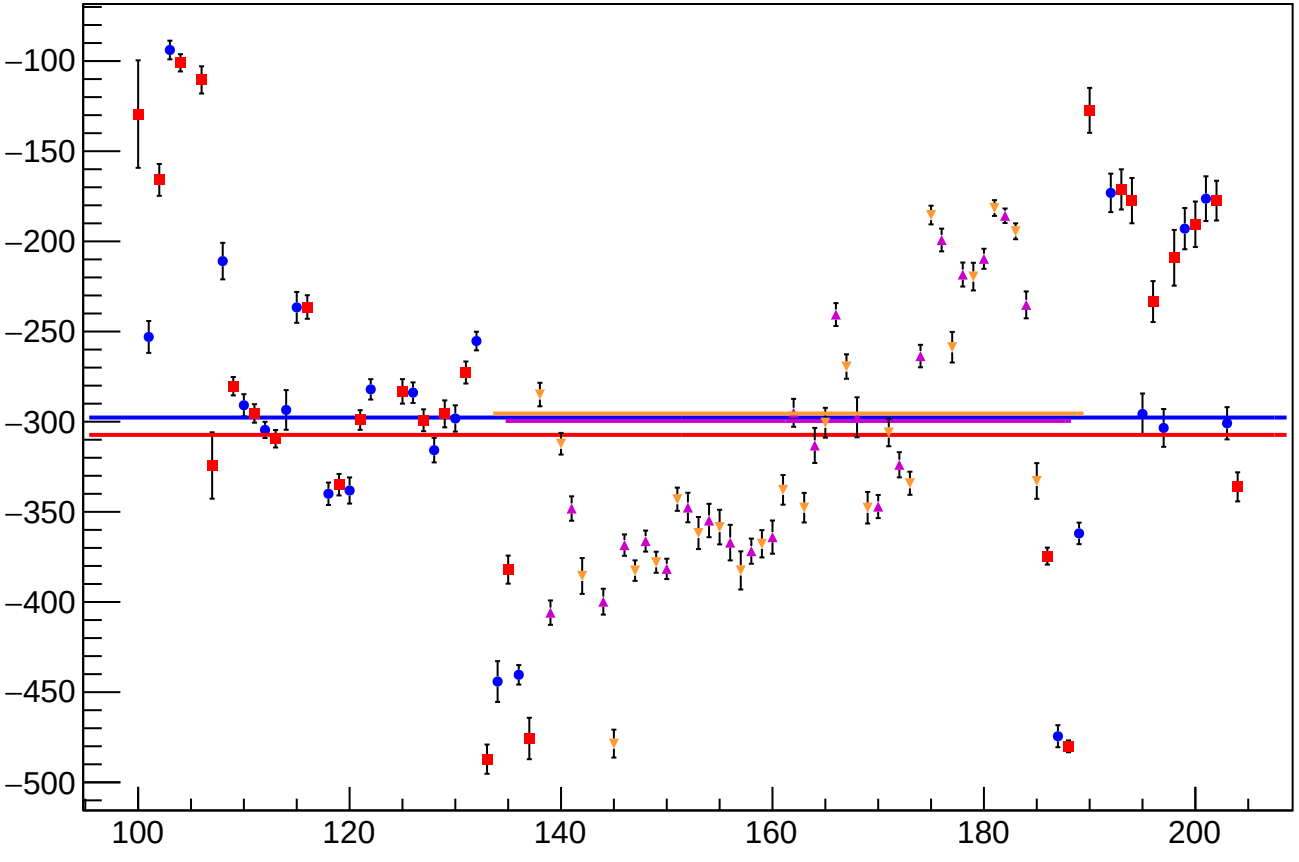
Right: 187.416+/-0.070 χ^2/NDF: 899891.8/51

In: 217.030+/-0.056 χ^2/NDF:279524.5/46

Out: 205.357+/-0.054 χ^2/NDF:891730.7/51

All: 211.002+/-0.039 χ^2/NDF: 1193609.0/98

reg_asym_us_avg_atlr_avg_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -297.700+/-1.425 χ^2/NDF: 4006.9/23

Left Out: -295.464+/-1.393 χ^2/NDF:3346.3/23

Right Out: -307.315+/-1.274 χ^2/NDF: 7626.3/27

Left In: -299.588+/-1.397 χ^2/NDF:2971.7/22

Left: -297.520+/-0.986 χ^2/NDF: 6322.4/46

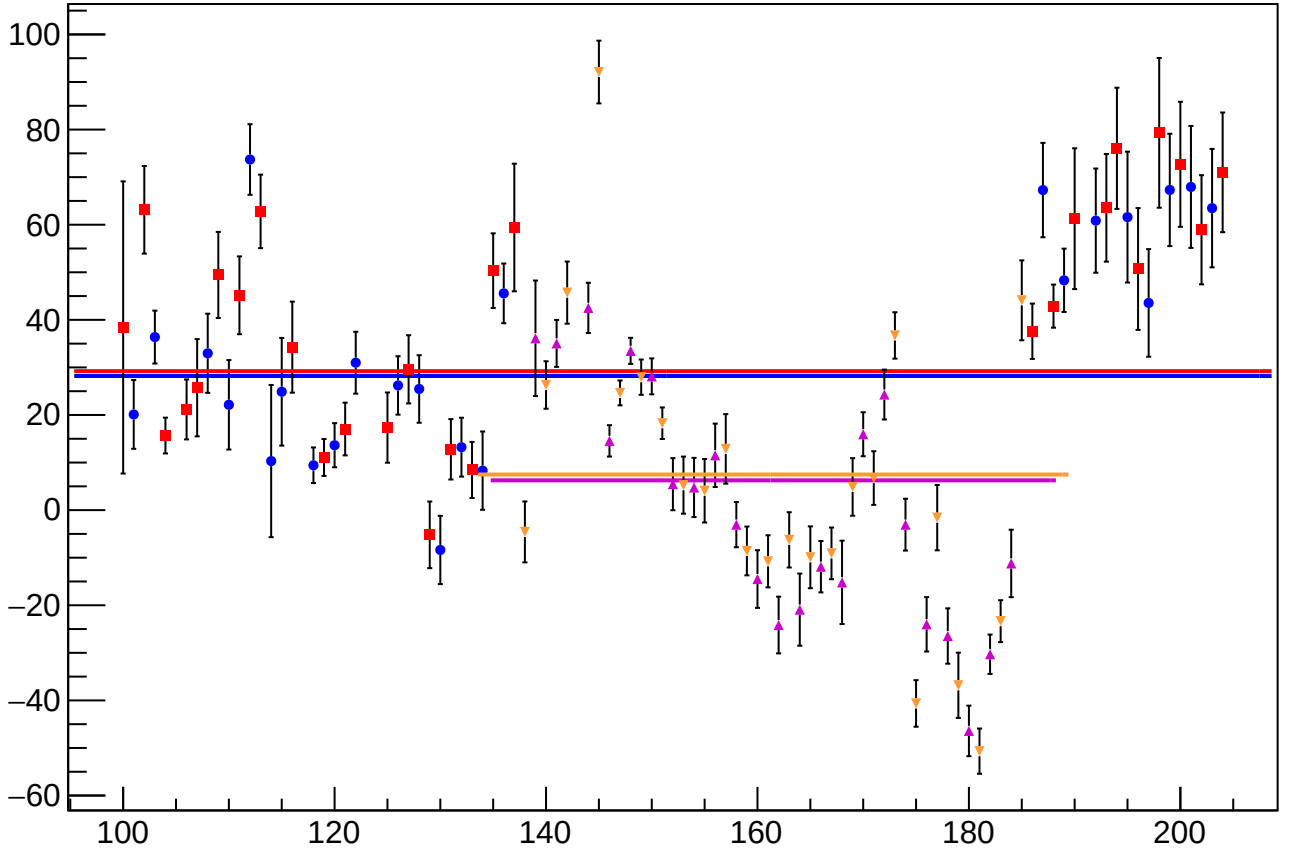
Right: -303.045+/-0.950 χ^2/NDF: 11658.5/51

In: -298.663+/-0.998 χ^2/NDF:6979.5/46

Out: -301.918+/-0.940 χ^2/NDF:11012.0/51

All: -300.387+/-0.684 χ^2/NDF: 17997.2/98

reg_asym_us_avg_atlr_avg_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 28.195+/-1.483 χ^2/NDF: 193.7/23

Left Out: 7.486+/-1.030 χ^2/NDF:738.5/23

Right Out: 29.213+/-1.370 χ^2/NDF: 221.4/27

Left In: 6.259+/-1.045 χ^2/NDF:559.4/22

Left: 6.881+/-0.733 χ^2/NDF: 1298.6/46

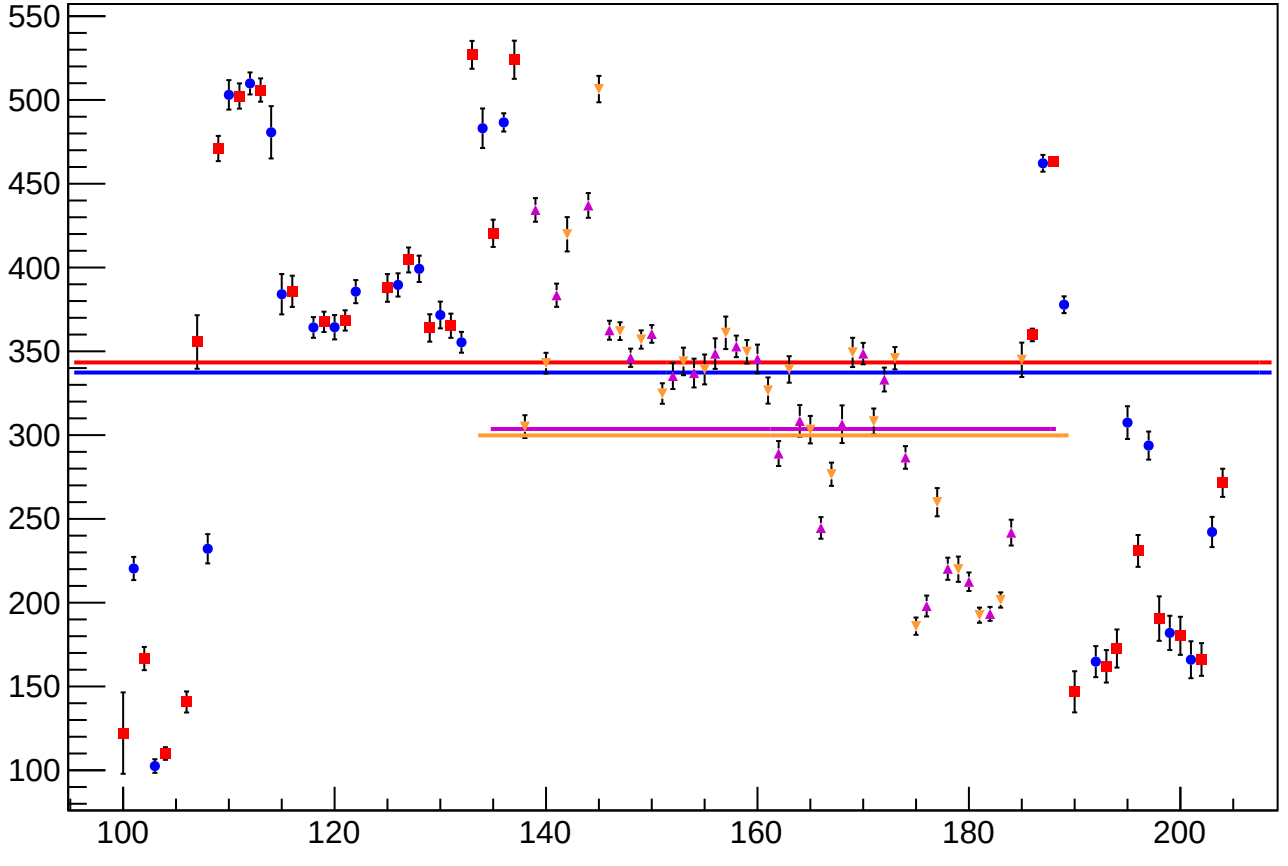
Right: 28.744+/-1.007 χ^2/NDF: 415.4/51

In: 13.536+/-0.854 χ^2/NDF:899.3/46

Out: 15.324+/-0.823 χ^2/NDF:1120.6/51

All: 14.463+/-0.593 χ^2/NDF: 2022.2/98

reg_asym_us_avg_atlr_avg_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 337.338+/-1.454 χ^2/NDF: 7694.1/23

Left Out: 299.825+/-1.381 χ^2/NDF:3076.1/23

Right Out: 343.364+/-1.252 χ^2/NDF: 11692.1/27

Left In: 303.652+/-1.383 χ^2/NDF:2872.6/22

Left: 301.736+/-0.977 χ^2/NDF: 5952.5/46

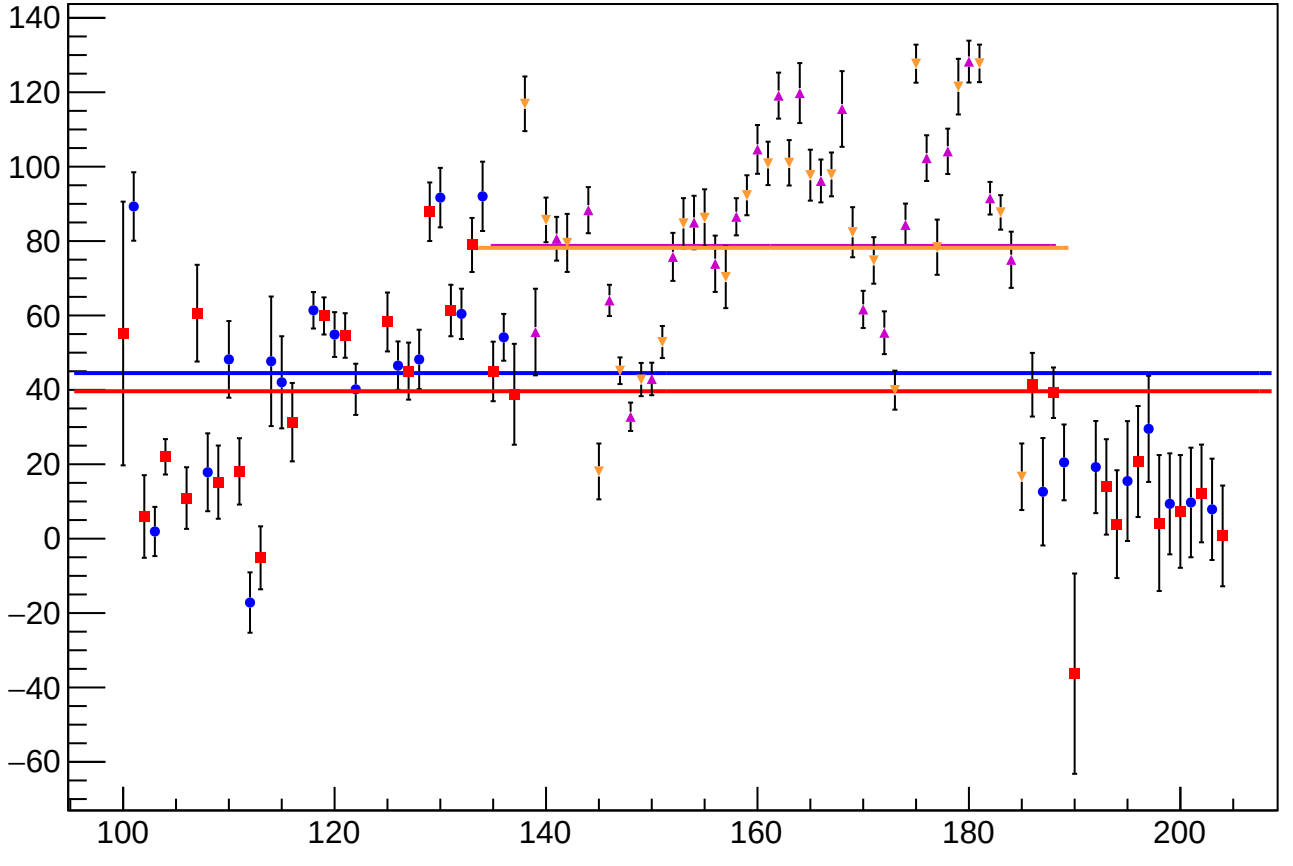
Right: 340.797+/-0.949 χ^2/NDF: 19396.1/51

In: 319.650+/-1.002 χ^2/NDF:10848.6/46

Out: 323.717+/-0.928 χ^2/NDF:15313.6/51

All: 321.839+/-0.681 χ^2/NDF: 26171.1/98

reg_asym_us_avg_atlr_avg_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 44.509+/-1.748 χ^2/NDF: 252.2/23

Left Out: 78.181+/-1.185 χ^2/NDF:663.3/23

Right Out: 39.630+/-1.648 χ^2/NDF: 224.8/27

Left In: 78.689+/-1.195 χ^2/NDF:488.6/22

Left: 78.433+/-0.841 χ^2/NDF: 1152.0/46

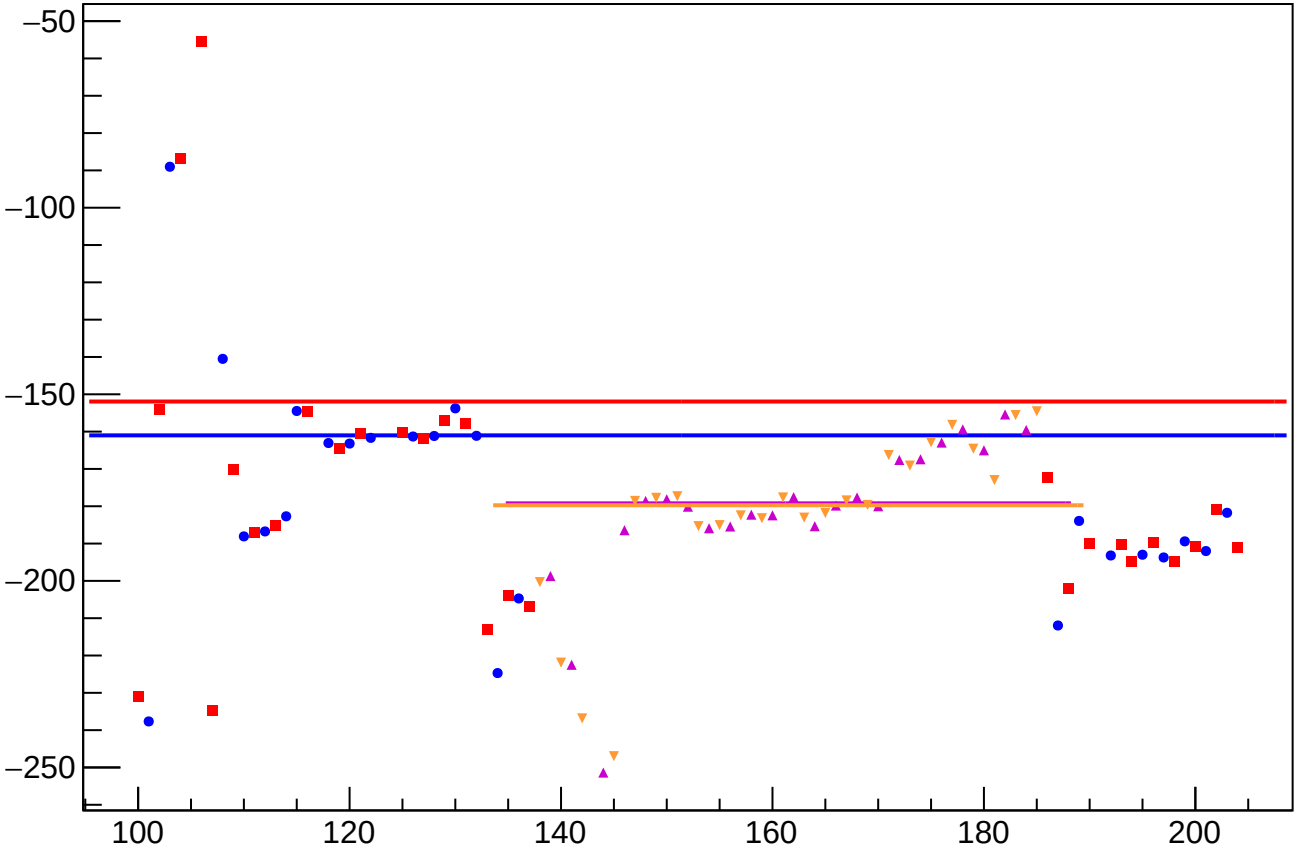
Right: 41.927+/-1.199 χ^2/NDF: 481.2/51

In: 67.803+/-0.986 χ^2/NDF:1001.4/46

Out: 65.052+/-0.962 χ^2/NDF:1248.9/51

All: 66.393+/-0.689 χ^2/NDF: 2254.3/98

reg_asym_us_avg_atlr_avg_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -161.007+/-0.086 χ^2/NDF: 303496.0/23

Left Out: -179.738+/-0.055 χ^2/NDF:132199.5/23

Right Out: -151.937+/-0.081 χ^2/NDF: 418114.4/27

Left In: -179.219+/-0.055 χ^2/NDF:113522.5/22

Left: -179.476+/-0.039 χ^2/NDF: 245767.0/46

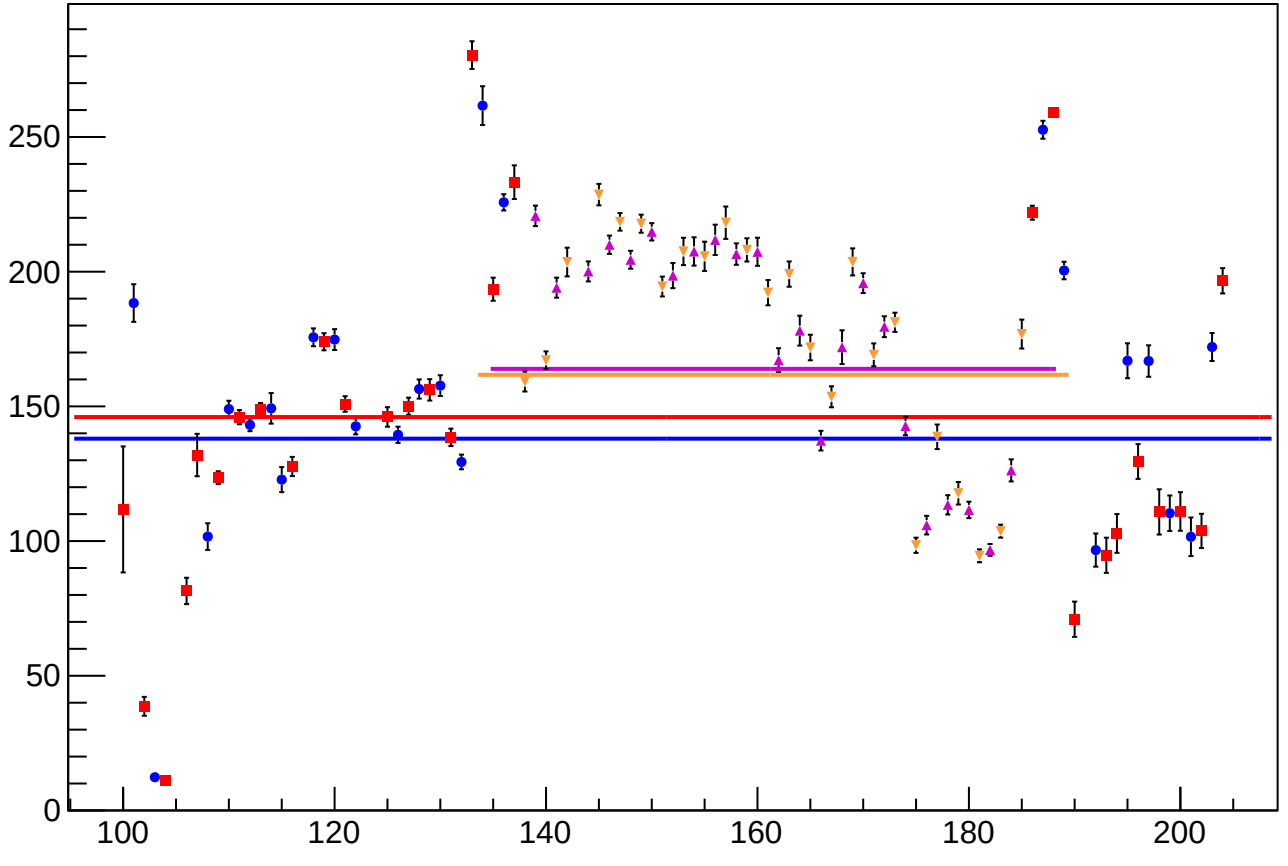
Right: -156.197+/-0.059 χ^2/NDF: 727535.5/51

In: -173.983+/-0.046 χ^2/NDF:449108.4/46

Out: -170.928+/-0.045 χ^2/NDF:631287.2/51

All: -172.437+/-0.032 χ^2/NDF: 1082625.8/98

reg_asym_us_avg_atlr_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 138.016+/-0.732 χ^2/NDF: 8076.9/23

Left Out: 161.708+/-0.776 χ^2/NDF:3587.3/23

Right Out: 146.035+/-0.655 χ^2/NDF: 13214.0/27

Left In: 163.927+/-0.779 χ^2/NDF:3335.5/22

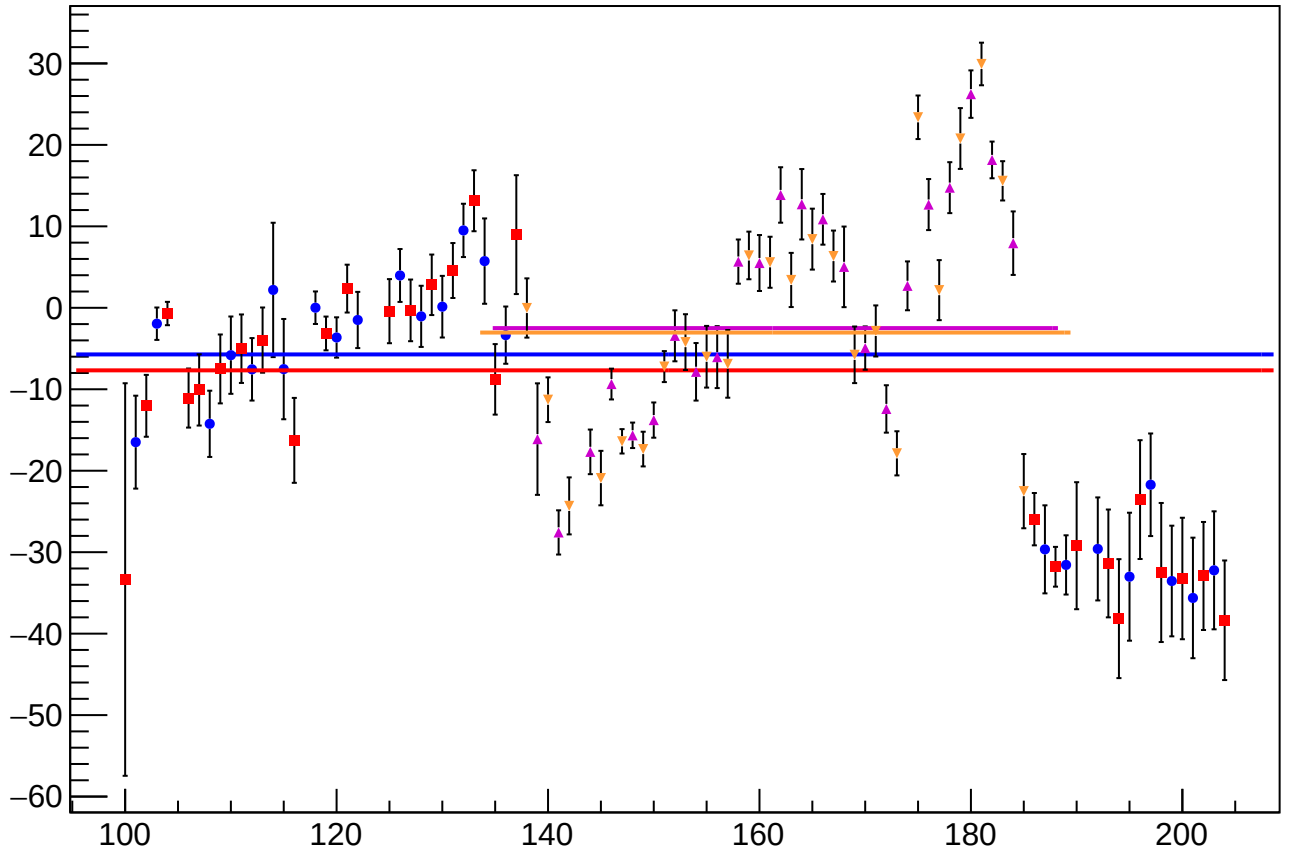
Left: 162.813+/-0.550 χ^2/NDF: 6926.9/46

Right: 142.473+/-0.488 χ^2/NDF: 21357.5/51

In: 150.168+/-0.534 χ^2/NDF:11999.5/46

Out: 152.550+/-0.500 χ^2/NDF:17039.5/51

All: 151.435+/-0.365 χ^2/NDF: 29049.7/98



Right In: -5.722+/-0.772 χ^2/NDF: 212.4/23

Left Out: -3.038+/-0.578 χ^2/NDF:654.5/23

Right Out: -7.678+/-0.690 χ^2/NDF: 337.0/27

Left In: -2.492+/-0.587 χ^2/NDF:562.9/22

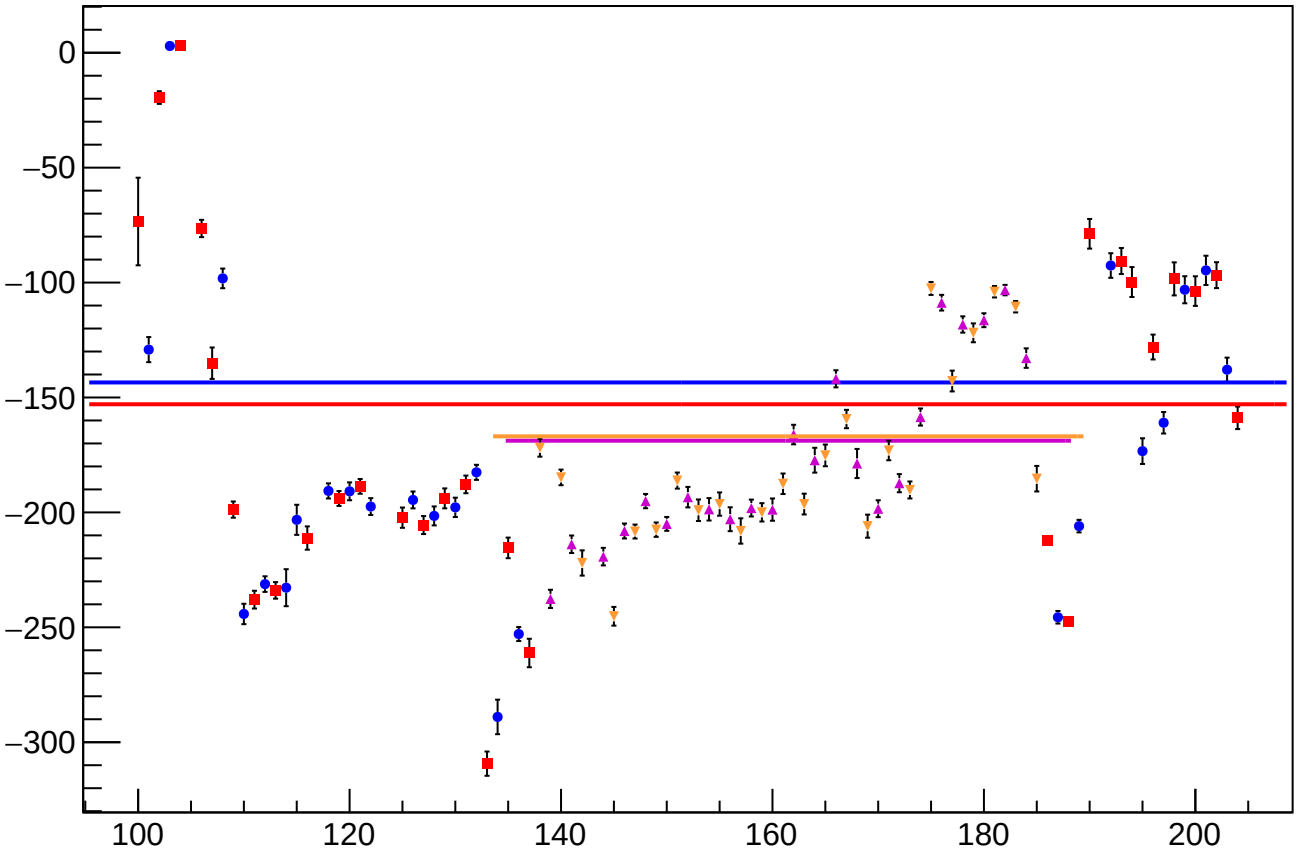
Left: -2.769+/-0.412 χ^2/NDF: 1217.8/46

Right: -6.810+/-0.515 χ^2/NDF: 553.0/51

In: -3.675+/-0.467 χ^2/NDF:786.3/46

Out: -4.952+/-0.443 χ^2/NDF:1018.1/51

All: -4.347+/-0.322 χ^2/NDF: 1808.4/98



Right In: -143.461+/-0.732 χ^2/NDF: 17123.0/23

Left Out: -166.912+/-0.771 χ^2/NDF:3096.2/23

Right Out: -152.947+/-0.636 χ^2/NDF: 23747.8/27

Left In: -168.810+/-0.772 χ^2/NDF:3059.5/22

Left: -167.859+/-0.546 χ^2/NDF: 6158.8/46

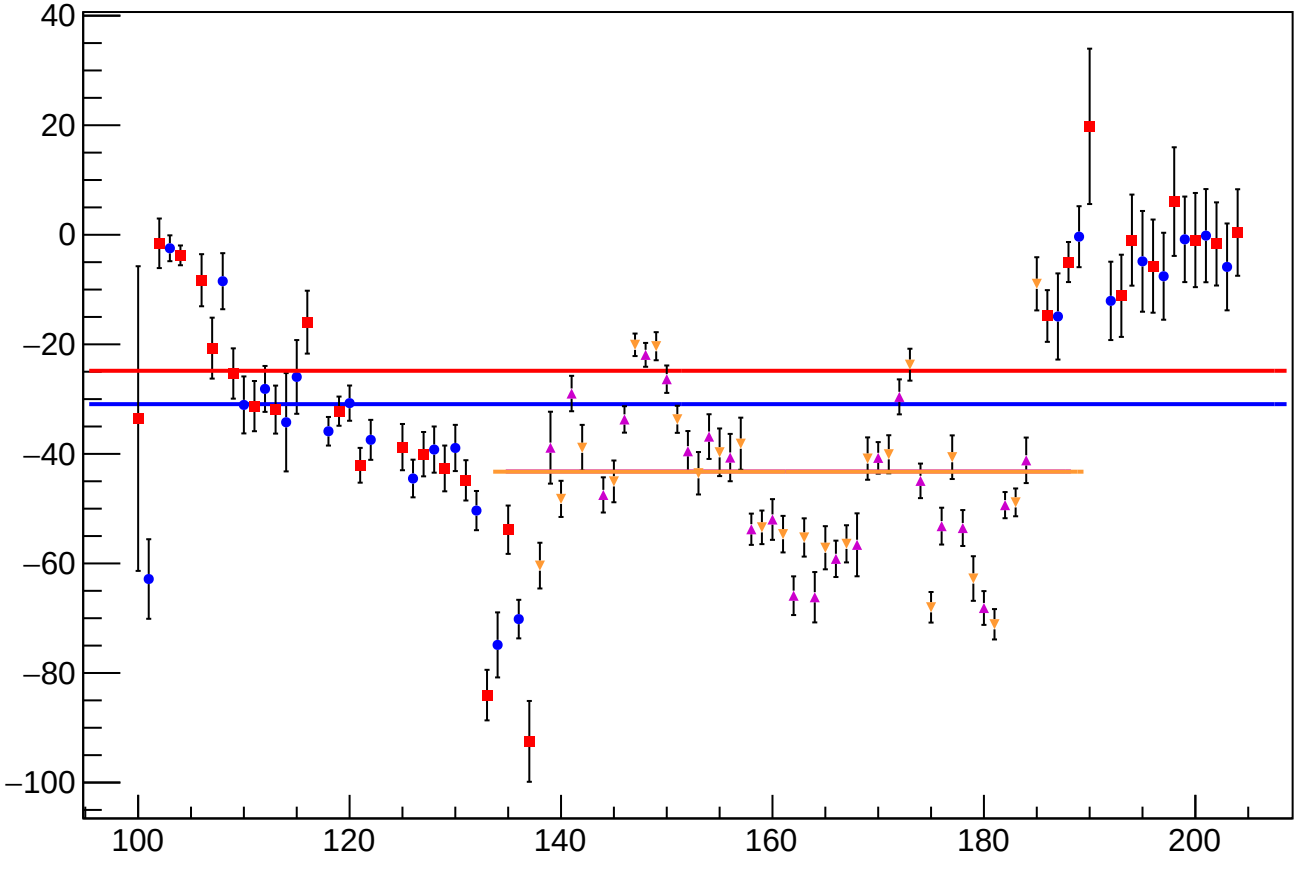
Right: -148.869+/-0.480 χ^2/NDF: 40966.6/51

In: -155.454+/-0.531 χ^2/NDF:20749.9/46

Out: -158.599+/-0.490 χ^2/NDF:27039.4/51

All: -157.152+/-0.360 χ^2/NDF: 47808.2/98

reg_asym_us_avg_atlr_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -30.920+/-0.909 χ^2/NDF: 519.4/23

Left Out: -43.251+/-0.664 χ^2/NDF:610.2/23

Right Out: -24.828+/-0.832 χ^2/NDF: 681.7/27

Left In: -43.207+/-0.670 χ^2/NDF:405.8/22

Left: -43.229+/-0.472 χ^2/NDF: 1016.0/46

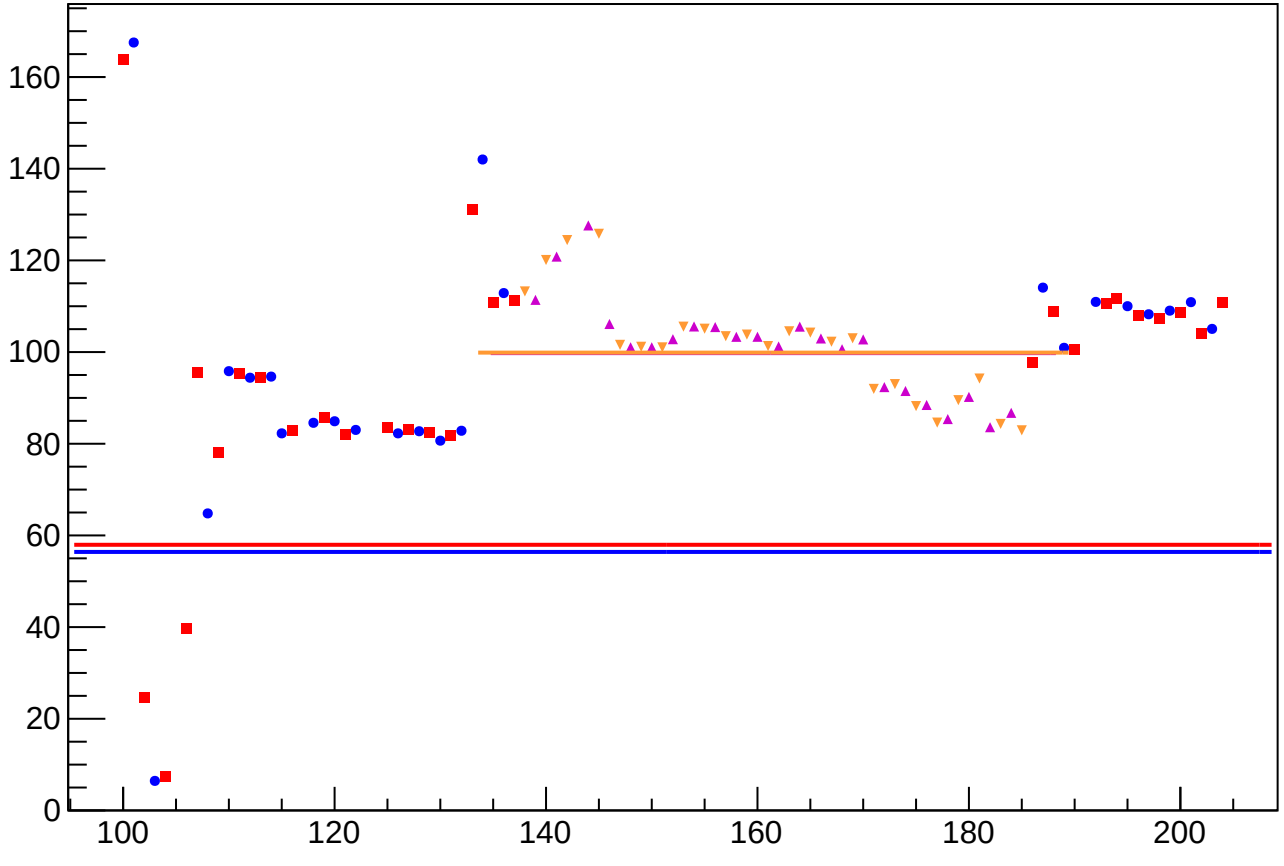
Right: -27.605+/-0.614 χ^2/NDF: 1225.5/51

In: -38.883+/-0.539 χ^2/NDF:1043.5/46

Out: -36.085+/-0.519 χ^2/NDF:1591.2/51

All: -37.431+/-0.374 χ^2/NDF: 2648.7/98

reg_asym_us_avg_atlr_avg_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 56.399+/-0.040 χ^2/NDF: 1471332.1/23

Left Out: 99.881+/-0.031 χ^2/NDF:123588.1/23

Right Out: 57.958+/-0.039 χ^2/NDF: 1282732.1/27

Left In: 99.769+/-0.031 χ^2/NDF:113501.0/22

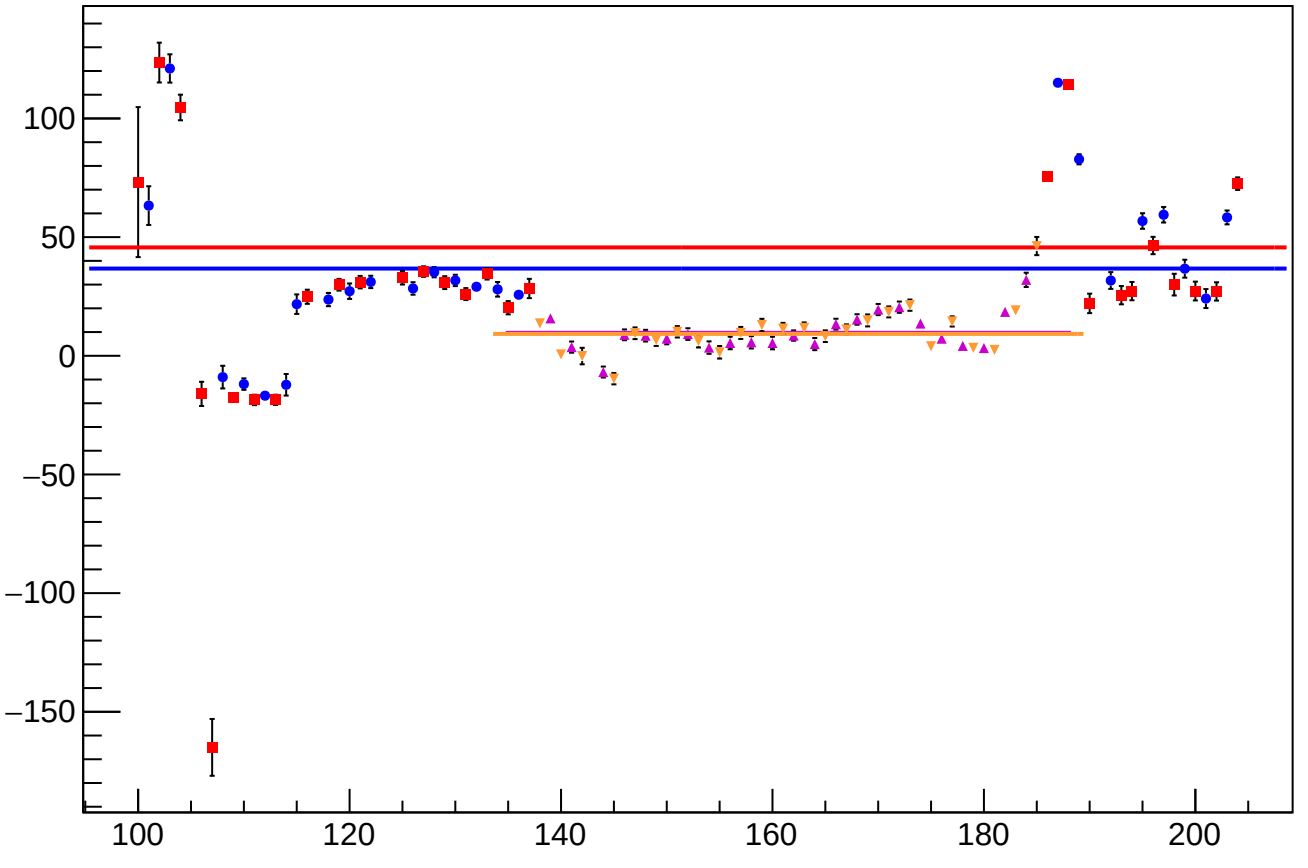
Left: 99.825+/-0.022 χ^2/NDF: 237095.8/46

Right: 57.197+/-0.028 χ^2/NDF: 2754824.5/51

In: 84.024+/-0.024 χ^2/NDF:2316414.6/46

Out: 84.049+/-0.024 χ^2/NDF:2107459.2/51

All: 84.036+/-0.017 χ^2/NDF: 4423874.4/98



Right In: 36.757+/-0.567 χ^2/NDF: 3805.6/23

Left Out: 9.228+/-0.456 χ^2/NDF:327.5/23

Right Out: 45.669+/-0.497 χ^2/NDF: 7938.1/27

Left In: 9.676+/-0.462 χ^2/NDF:246.7/22

Left: 9.449+/-0.325 χ^2/NDF: 574.7/46

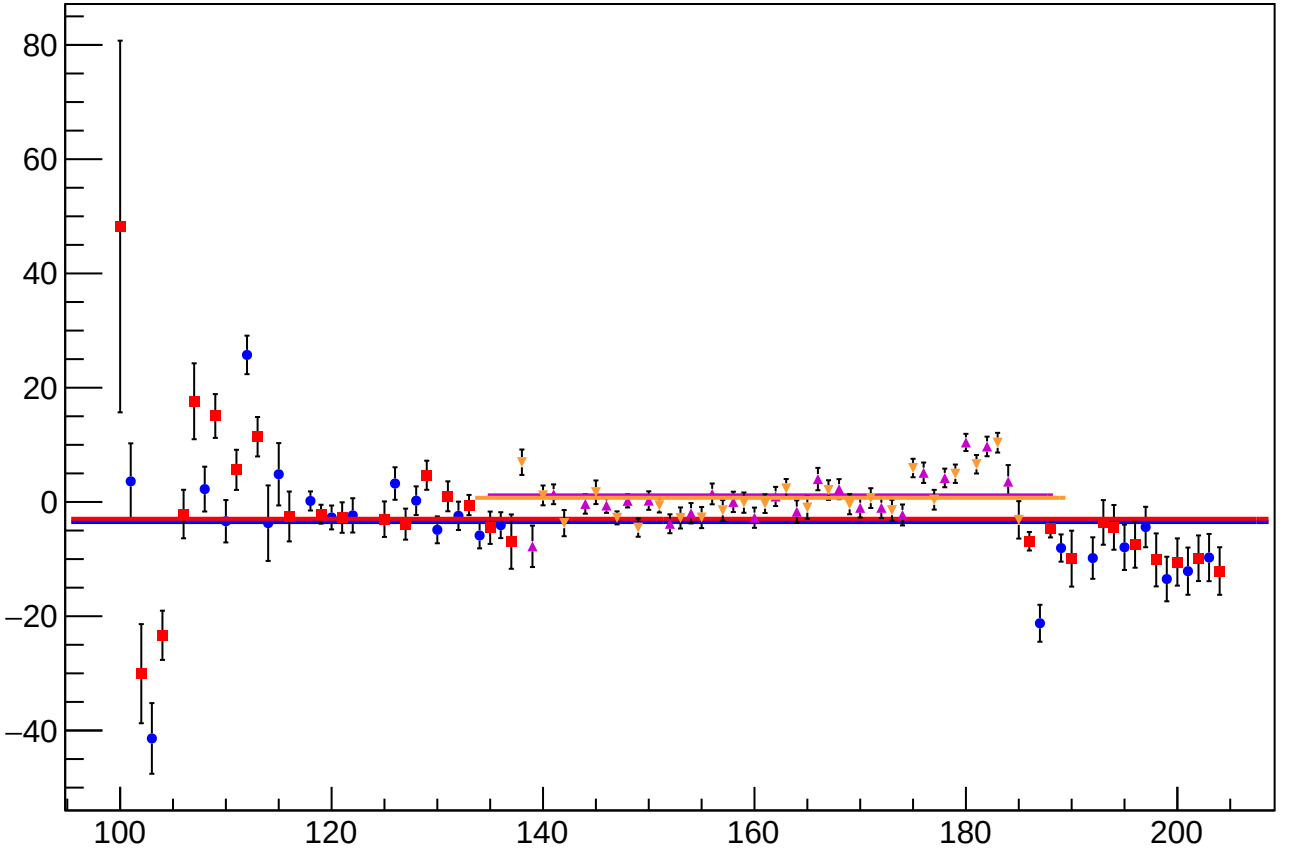
Right: 41.800+/-0.374 χ^2/NDF: 11883.2/51

In: 20.484+/-0.358 χ^2/NDF:5421.3/46

Out: 25.902+/-0.336 χ^2/NDF:11182.1/51

All: 23.366+/-0.245 χ^2/NDF: 16725.0/98

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -3.517+/-0.606 χ^2/NDF: 184.4/23

Left Out: 0.730+/-0.350 χ^2/NDF:109.7/23

Right Out: -2.939+/-0.560 χ^2/NDF: 127.9/27

Left In: 1.156+/-0.358 χ^2/NDF:110.4/22

Left: 0.939+/-0.250 χ^2/NDF: 220.9/46

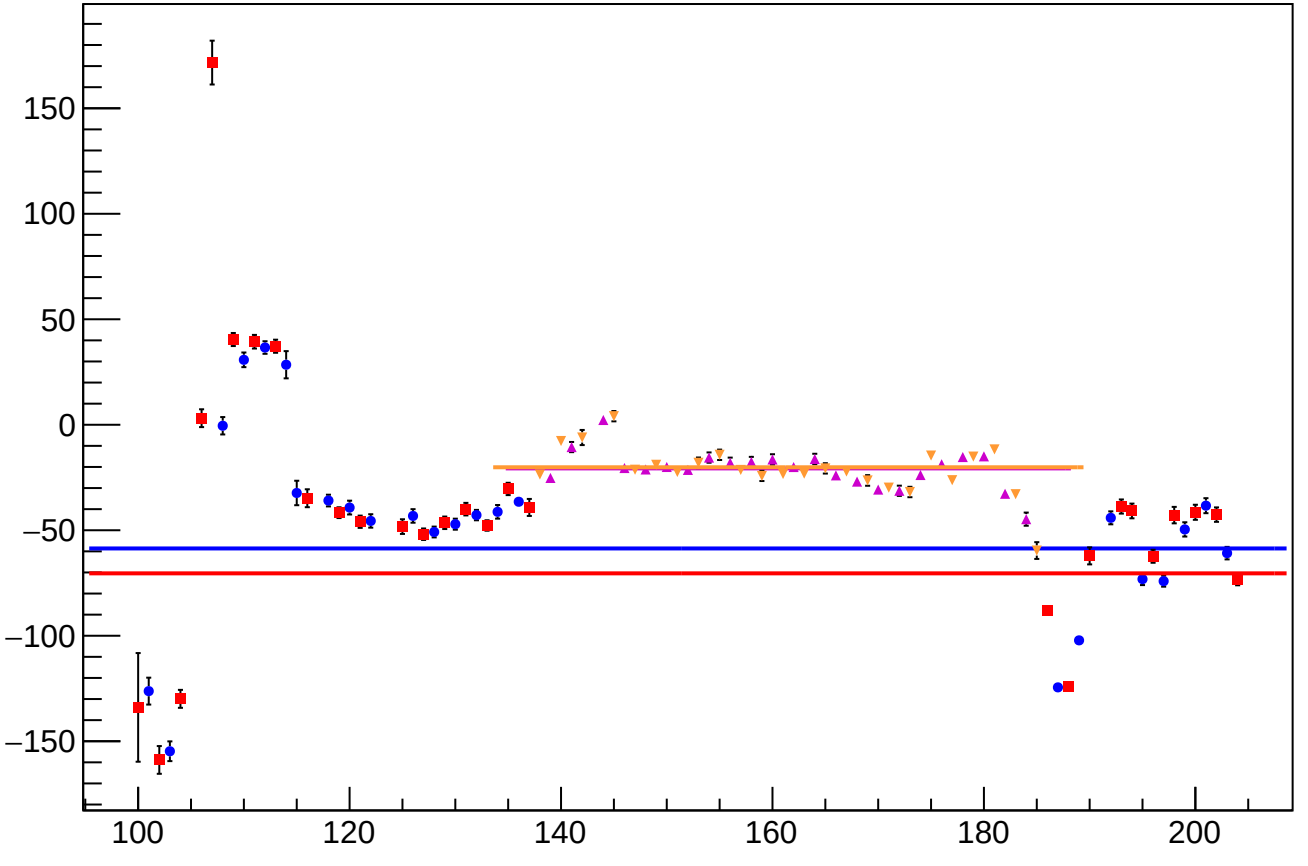
Right: -3.205+/-0.411 χ^2/NDF: 312.8/51

In: -0.049+/-0.308 χ^2/NDF:338.9/46

Out: -0.298+/-0.297 χ^2/NDF:268.5/51

All: -0.178+/-0.214 χ^2/NDF: 607.7/98

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -58.625+/-0.581 χ^2/NDF: 5343.6/23

Left Out: -20.151+/-0.452 χ^2/NDF:420.3/23

Right Out: -70.425+/-0.482 χ^2/NDF: 9645.2/27

Left In: -20.683+/-0.458 χ^2/NDF:310.5/22

Left: -20.414+/-0.322 χ^2/NDF: 731.5/46

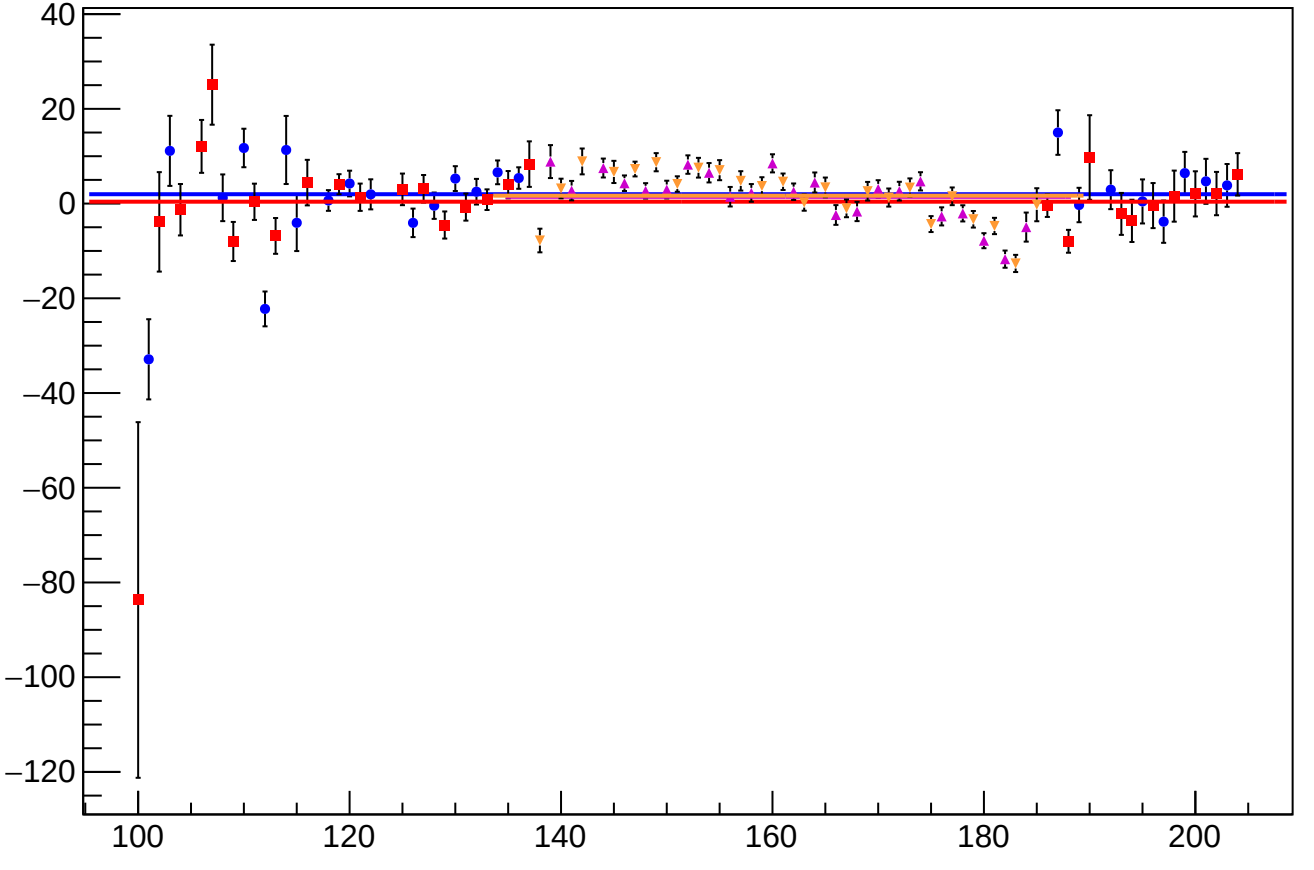
Right: -65.609+/-0.371 χ^2/NDF: 15233.2/51

In: -35.219+/-0.359 χ^2/NDF:8287.7/46

Out: -43.686+/-0.330 χ^2/NDF:15845.8/51

All: -39.814+/-0.243 χ^2/NDF: 24434.7/98

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 1.976+/-0.708 χ^2/NDF: 94.9/23

Left Out: 1.671+/-0.395 χ^2/NDF:178.0/23

Right Out: 0.397+/-0.677 χ^2/NDF: 55.1/27

Left In: 1.428+/-0.403 χ^2/NDF:162.8/22

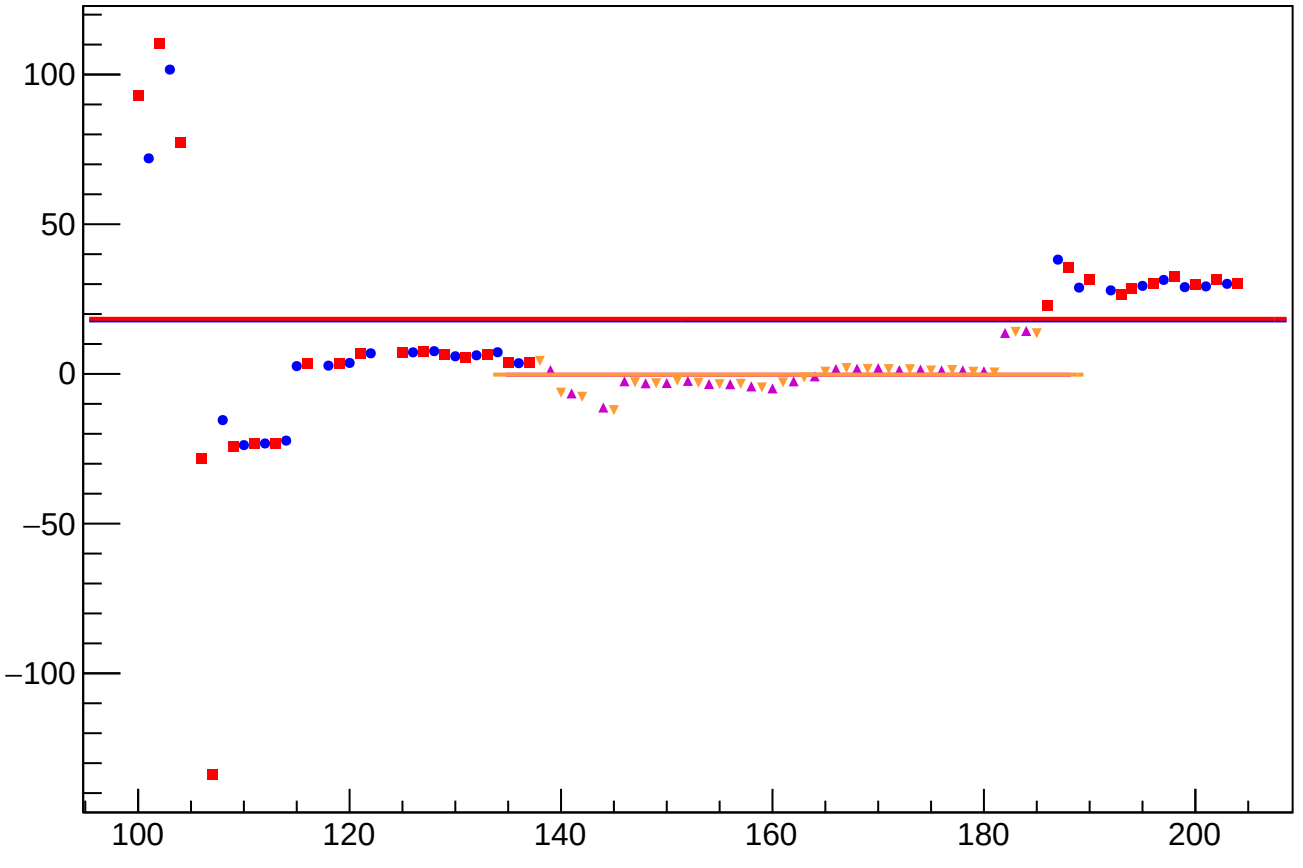
Left: 1.552+/-0.282 χ^2/NDF: 340.9/46

Right: 1.151+/-0.489 χ^2/NDF: 152.6/51

In: 1.562+/-0.350 χ^2/NDF:258.1/46

Out: 1.348+/-0.341 χ^2/NDF:235.7/51

All: 1.452+/-0.244 χ^2/NDF: 494.0/98



Right In: 17.872+/-0.036 χ^2/NDF: 404287.0/23

Left Out: -0.229+/-0.018 χ^2/NDF:80976.2/23

Right Out: 18.413+/-0.035 χ^2/NDF: 582771.2/27

Left In: -0.270+/-0.018 χ^2/NDF:72783.3/22

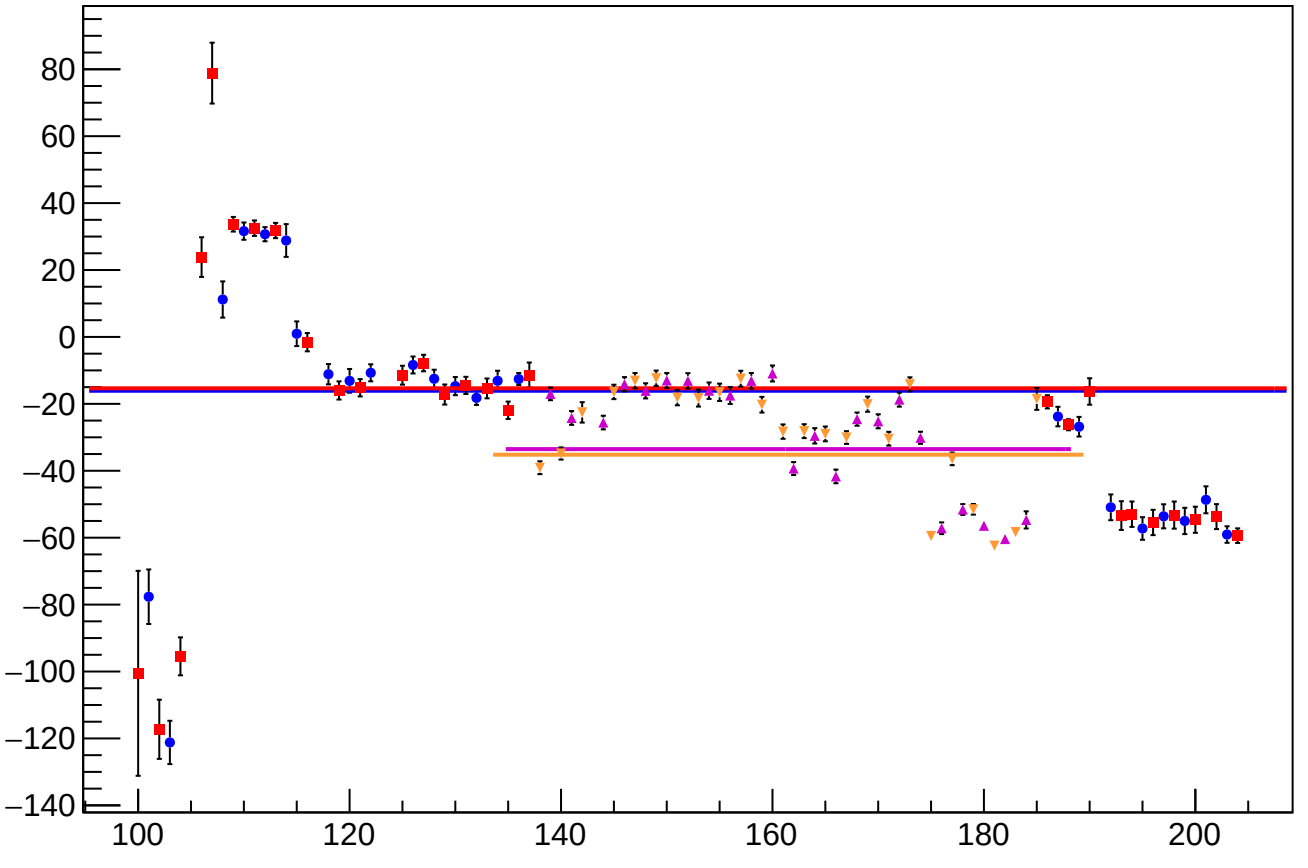
Left: -0.249+/-0.013 χ^2/NDF: 153762.2/46

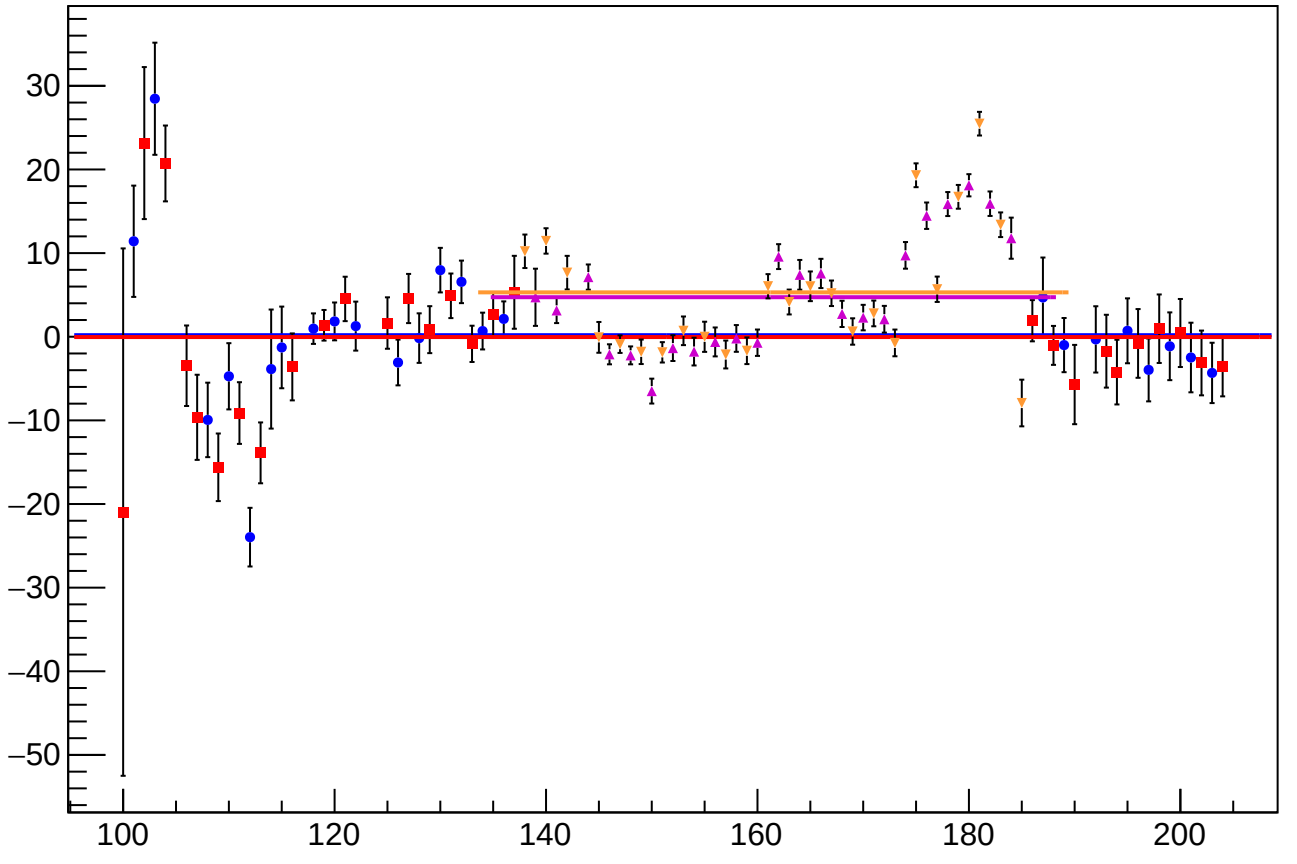
Right: 18.149+/-0.025 χ^2/NDF: 987174.8/51

In: 3.304+/-0.016 χ^2/NDF:683139.5/46

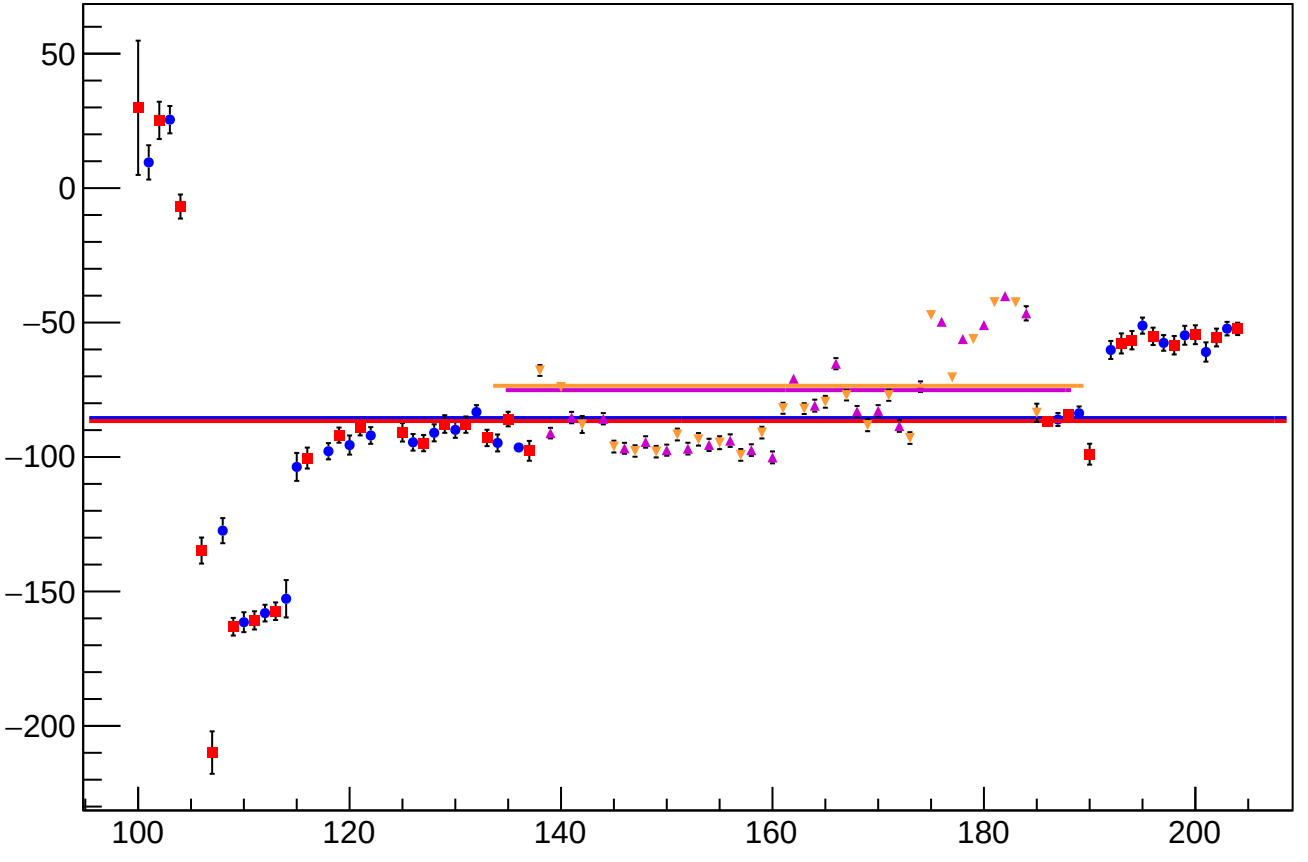
Out: 3.549+/-0.016 χ^2/NDF:890137.7/51

All: 3.427+/-0.011 χ^2/NDF: 1573396.9/98


reg_asym_us_dd_at1lr_dd_dd_diff_bpm1X_slope vs Slug, Sign Corrected
80
60
40
20
0
−20
−40
−60
−80
−100
−120
−140
100
120
140
160
180
200
Right In: -16.081+/-0.605 χ²/NDF: 2131.2/23
Left Out: -35.201+/-0.408 χ²/NDF:1850.7/23
Right Out: -15.357+/-0.553 χ²/NDF: 2930.2/27
Left In: -33.528+/-0.414 χ²/NDF:1806.1/22
Left: -34.376+/-0.291 χ²/NDF: 3665.2/46
Right: -15.686+/-0.408 χ²/NDF: 5062.1/51
In: -27.970+/-0.341 χ²/NDF:4504.0/46
Out: -28.208+/-0.328 χ²/NDF:5613.9/51
All: -28.094+/-0.237 χ²/NDF: 10118.1/98


reg_asym_us_dd_at1lr_dd_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
30
20
10
0
−10
−20
−30
−40
−50
100
120
140
160
180
200
Right In: 0.186+/-0.642 χ²/NDF: 97.6/23
Left Out: 5.307+/-0.315 χ²/NDF:624.4/23
Right Out: -0.037+/-0.621 χ²/NDF: 86.0/27
Left In: 4.727+/-0.321 χ²/NDF:496.0/22
Left: 5.023+/-0.225 χ²/NDF: 1122.0/46
Right: 0.071+/-0.446 χ²/NDF: 183.6/51
In: 3.818+/-0.287 χ²/NDF:633.6/46
Out: 4.213+/-0.281 χ²/NDF:769.3/51
All: 4.020+/-0.201 χ²/NDF: 1403.9/98

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -85.516+/-0.635 χ^2/NDF: 2520.0/23

Left Out: -73.506+/-0.405 χ^2/NDF:2392.0/23

Right Out: -86.622+/-0.563 χ^2/NDF: 3177.4/27

Left In: -75.133+/-0.410 χ^2/NDF:2361.9/22

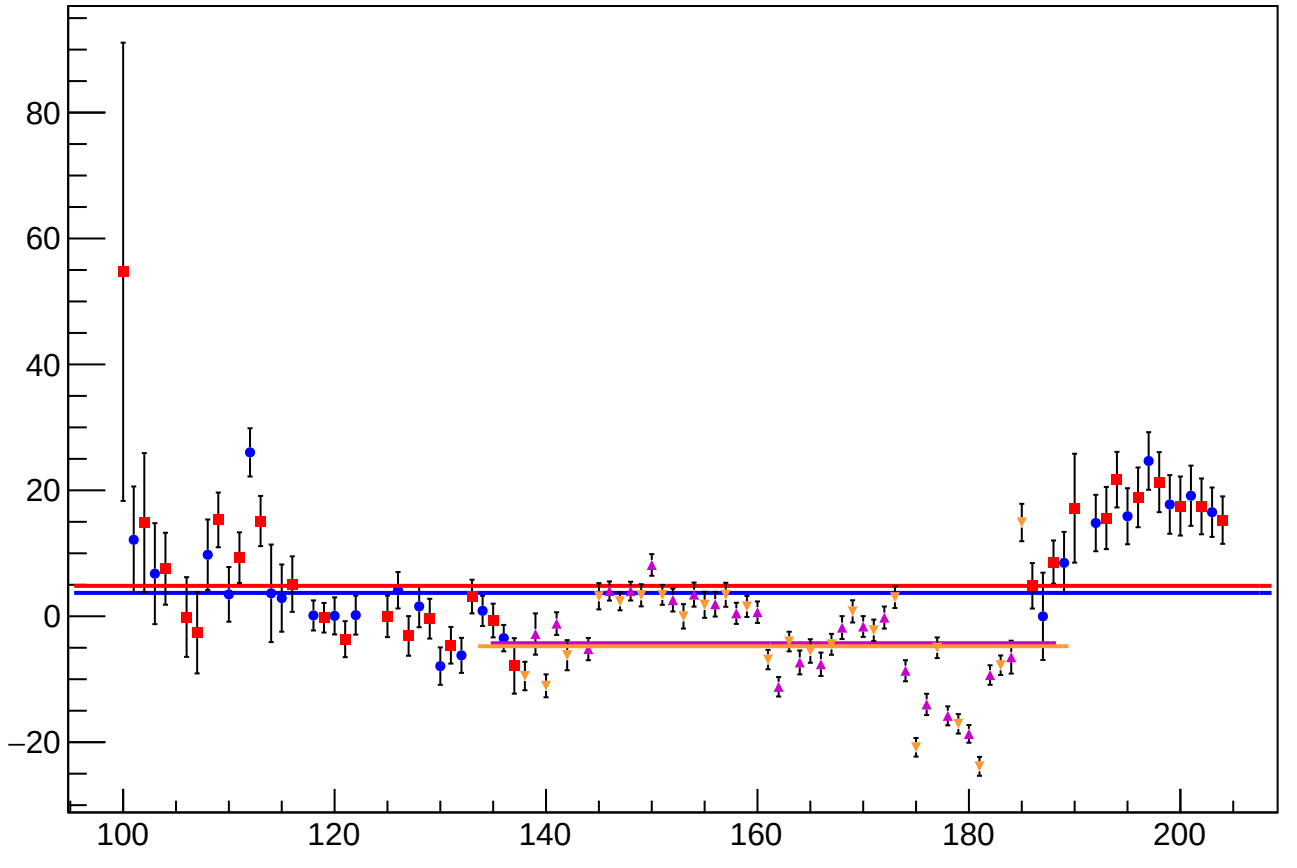
Left: -74.310+/-0.288 χ^2/NDF: 4761.8/46

Right: -86.135+/-0.421 χ^2/NDF: 5699.1/51

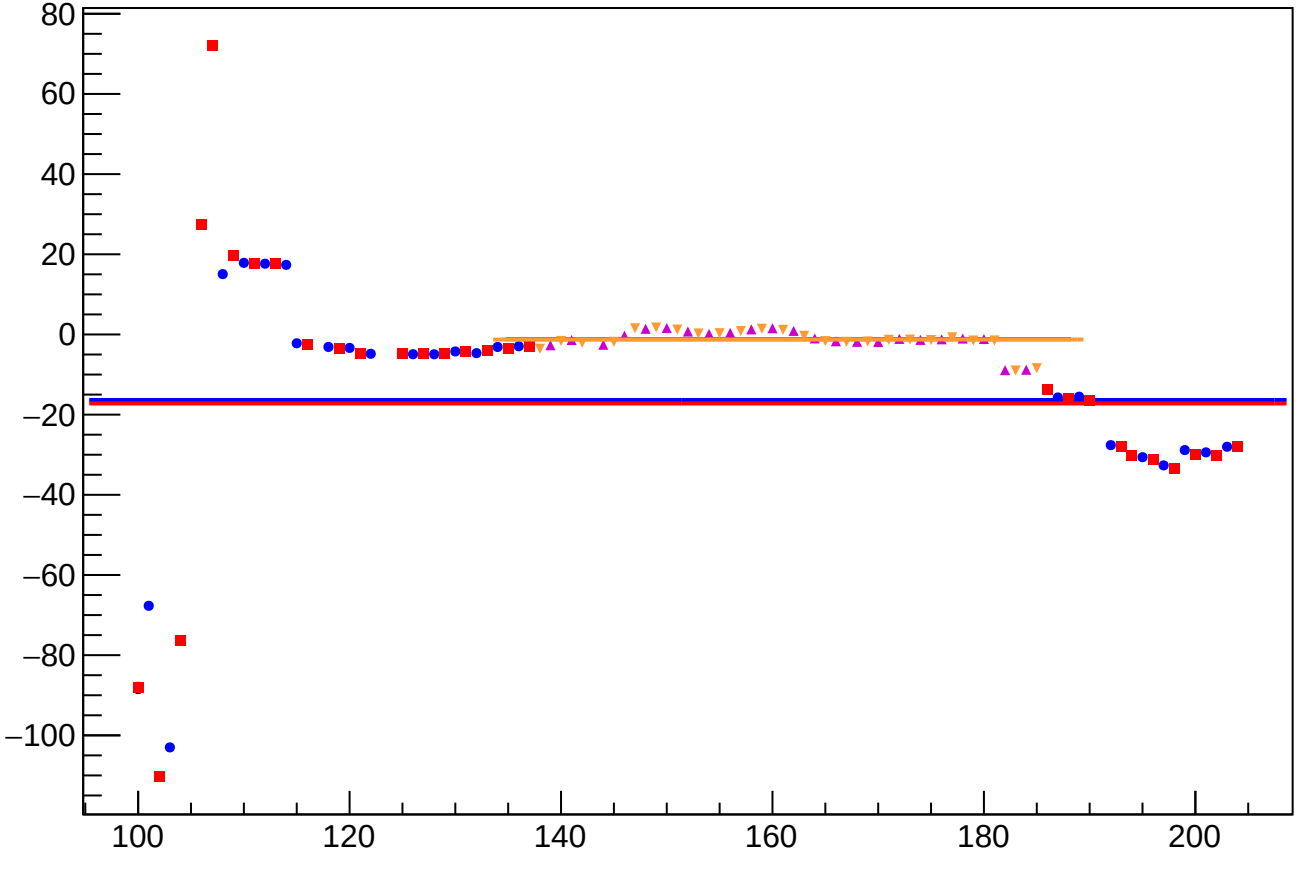
In: -78.185+/-0.345 χ^2/NDF:5070.4/46

Out: -77.982+/-0.329 χ^2/NDF:5926.8/51

All: -78.079+/-0.238 χ^2/NDF: 10997.4/98


reg_asym_us_dd_at1lr_dd_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
80
60
40
20
0
−20
100
120
140
160
180
200
Right In: 3.711+/-0.736 χ²/NDF: 149.0/23
Left Out: -4.762+/-0.355 χ²/NDF:576.9/23
Right Out: 4.829+/-0.728 χ²/NDF: 133.2/27
Left In: -4.278+/-0.361 χ²/NDF:424.1/22
Left: -4.524+/-0.253 χ²/NDF: 1002.0/46
Right: 4.276+/-0.518 χ²/NDF: 283.4/51
In: -2.728+/-0.324 χ²/NDF:668.2/46
Out: -2.922+/-0.319 χ²/NDF:850.3/51
All: -2.827+/-0.227 χ²/NDF: 1518.7/98

reg_asym_us_dd_at1lr_dd_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -16.342+/-0.036 χ^2/NDF: 356674.3/23

Left Out: -1.267+/-0.016 χ^2/NDF:25091.1/23

Right Out: -17.212+/-0.036 χ^2/NDF: 454756.4/27

Left In: -1.180+/-0.016 χ^2/NDF:24754.1/22

Left: -1.224+/-0.011 χ^2/NDF: 49860.2/46

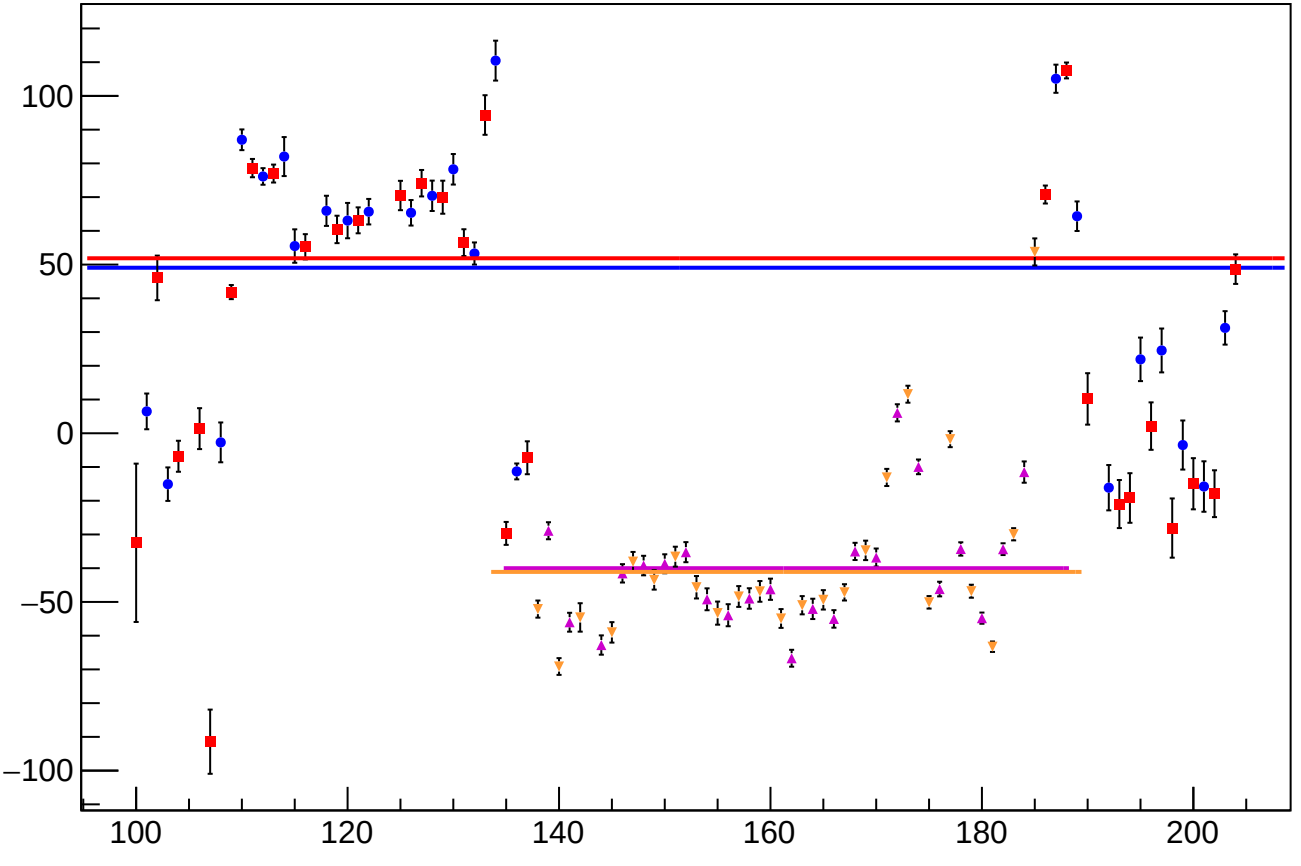
Right: -16.780+/-0.026 χ^2/NDF: 811720.4/51

In: -3.641+/-0.015 χ^2/NDF:528016.4/46

Out: -3.862+/-0.015 χ^2/NDF:644243.5/51

All: -3.752+/-0.010 χ^2/NDF: 1172375.0/98

reg_asym_us_dd_at2lr_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 49.068+/-0.867 χ^2/NDF: 1964.7/23

Left Out: -41.097+/-0.517 χ^2/NDF:1948.2/23

Right Out: 51.875+/-0.768 χ^2/NDF: 2686.3/27

Left In: -40.000+/-0.524 χ^2/NDF:1031.8/22

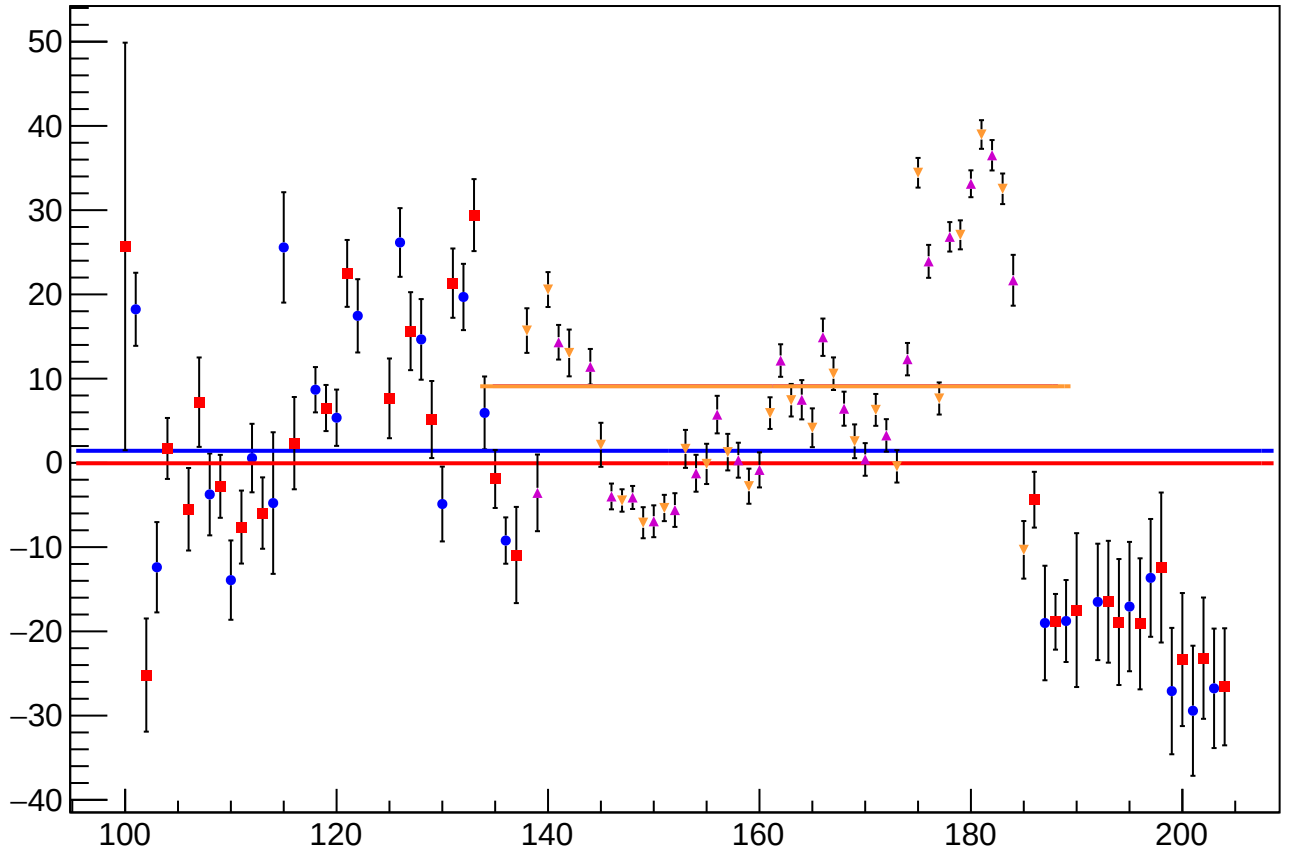
Left: -40.556+/-0.368 χ^2/NDF: 2982.2/46

Right: 50.642+/-0.575 χ^2/NDF: 4656.8/51

In: -16.157+/-0.449 χ^2/NDF:10722.6/46

Out: -12.061+/-0.429 χ^2/NDF:14720.3/51

All: -14.017+/-0.310 χ^2/NDF: 25486.4/98



Right In: 1.435+/-0.938 χ^2/NDF: 243.6/23

Left Out: 9.094+/-0.401 χ^2/NDF:1253.7/23

Right Out: -0.046+/-0.886 χ^2/NDF: 246.9/27

Left In: 9.121+/-0.409 χ^2/NDF:1051.8/22

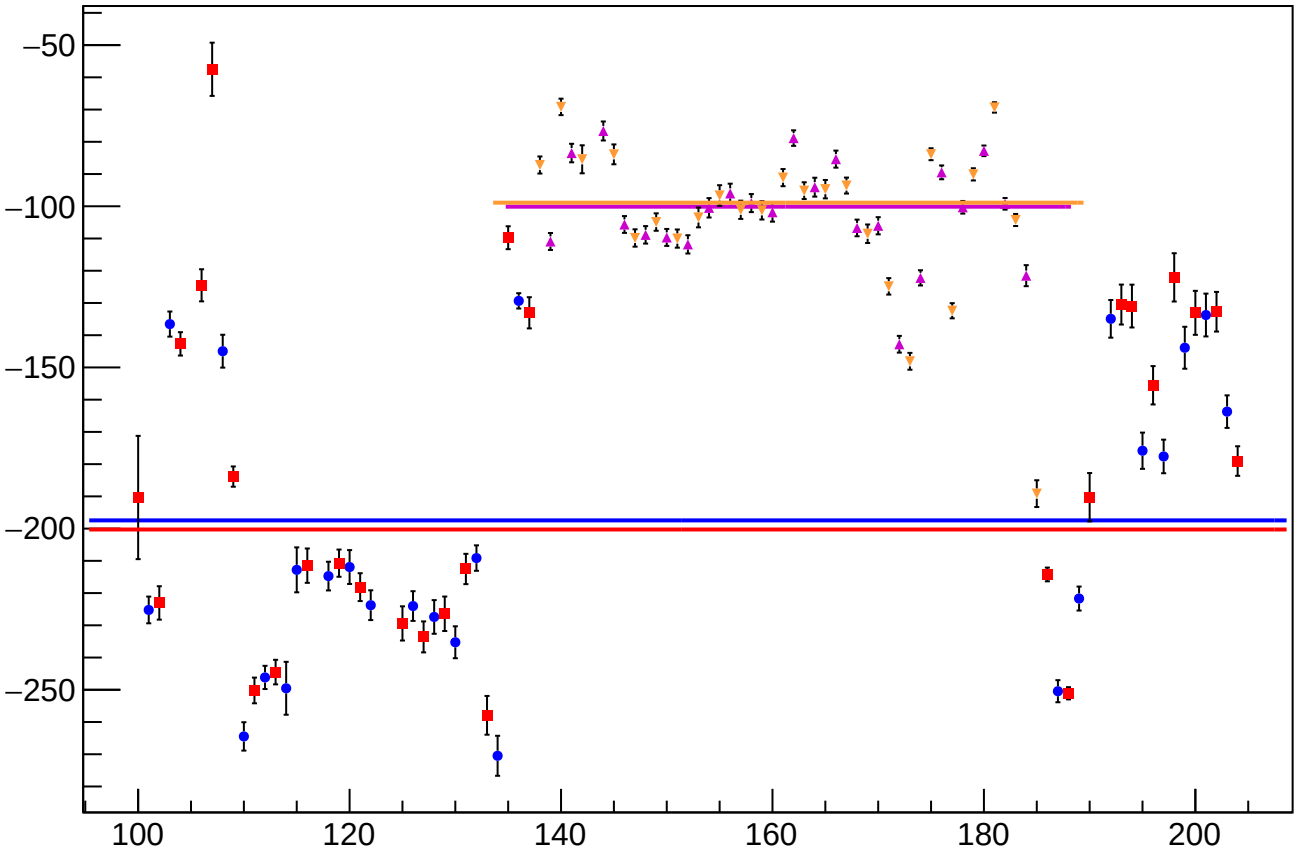
Left: 9.107+/-0.286 χ^2/NDF: 2305.5/46

Right: 0.652+/-0.644 χ^2/NDF: 491.8/51

In: 7.894+/-0.375 χ^2/NDF:1351.8/46

Out: 7.539+/-0.366 χ^2/NDF:1588.9/51

All: 7.712+/-0.262 χ^2/NDF: 2941.2/98



Right In: -197.447+/-0.916 χ^2/NDF: 2633.3/23

Left Out: -98.883+/-0.514 χ^2/NDF:1824.5/23

Right Out: -200.275+/-0.800 χ^2/NDF: 3595.2/27

Left In: -100.127+/-0.520 χ^2/NDF:823.2/22

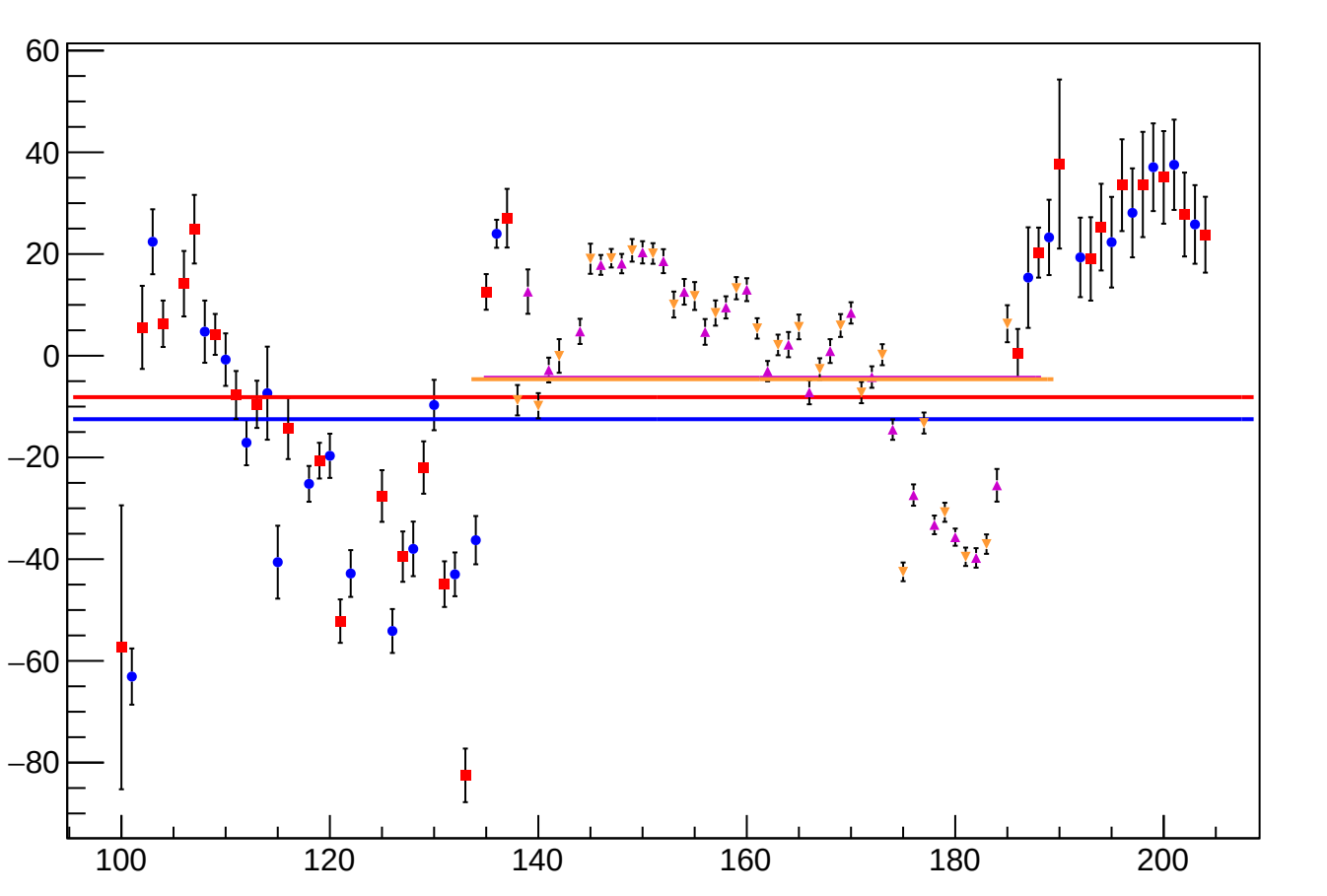
Left: -99.498+/-0.366 χ^2/NDF: 2650.6/46

Right: -199.051+/-0.602 χ^2/NDF: 6233.9/51

In: -123.865+/-0.452 χ^2/NDF:11997.5/46

Out: -128.532+/-0.432 χ^2/NDF:16792.0/51

All: -126.303+/-0.313 χ^2/NDF: 28845.2/98



Right In: -12.478+/-1.080 χ^2/NDF: 743.4/23

Left Out: -4.618+/-0.451 χ^2/NDF:2078.3/23

Right Out: -8.143+/-1.041 χ^2/NDF: 749.5/27

Left In: -4.328+/-0.459 χ^2/NDF:1854.2/22

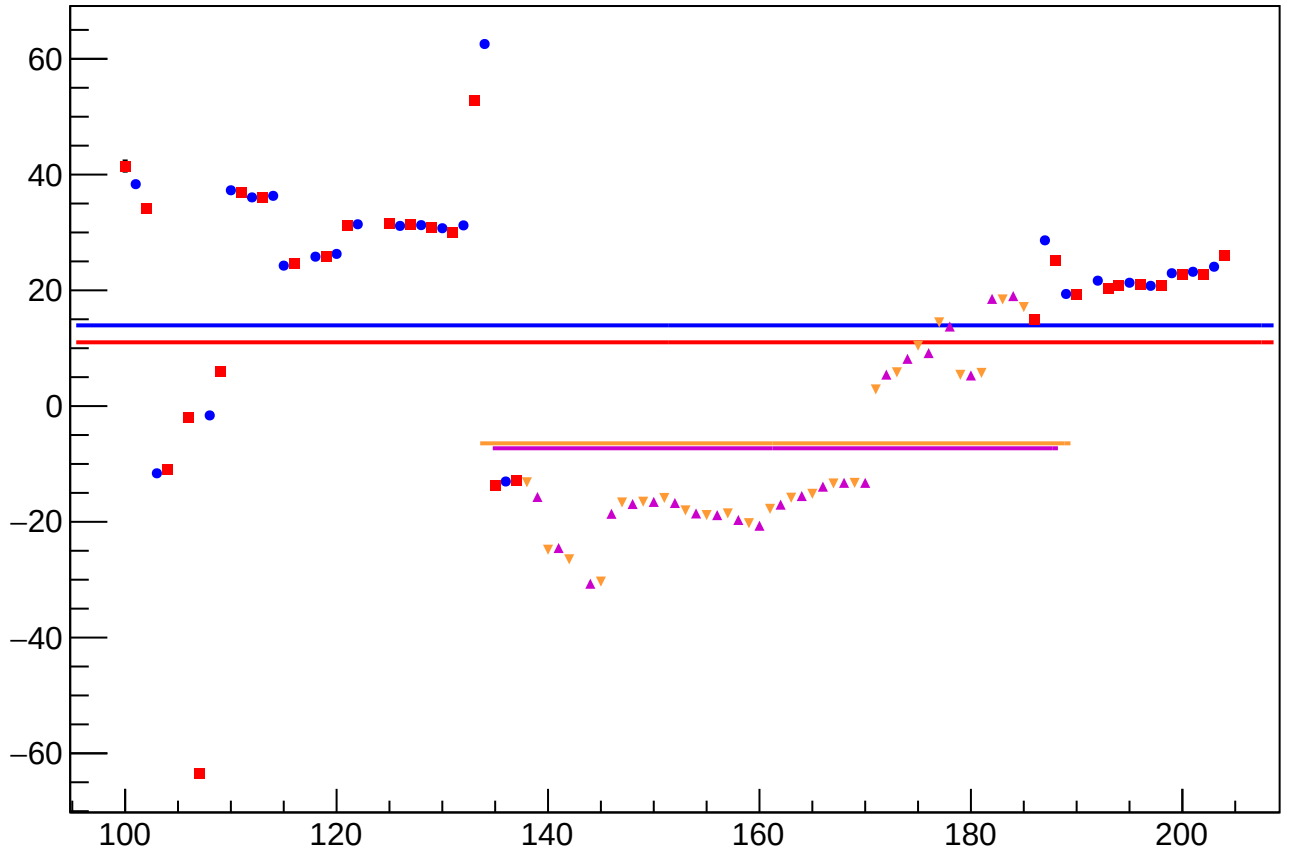
Left: -4.475+/-0.322 χ^2/NDF: 3932.7/46

Right: -10.230+/-0.749 χ^2/NDF: 1501.2/51

In: -5.574+/-0.422 χ^2/NDF:2645.8/46

Out: -5.176+/-0.414 χ^2/NDF:2837.5/51

All: -5.371+/-0.296 χ^2/NDF: 5483.7/98



Right In: 13.947+/-0.053 χ^2/NDF: 174669.0/23

Left Out: -6.437+/-0.020 χ^2/NDF:496714.6/23

Right Out: 11.019+/-0.052 χ^2/NDF: 177509.2/27

Left In: -7.292+/-0.020 χ^2/NDF:488261.5/22

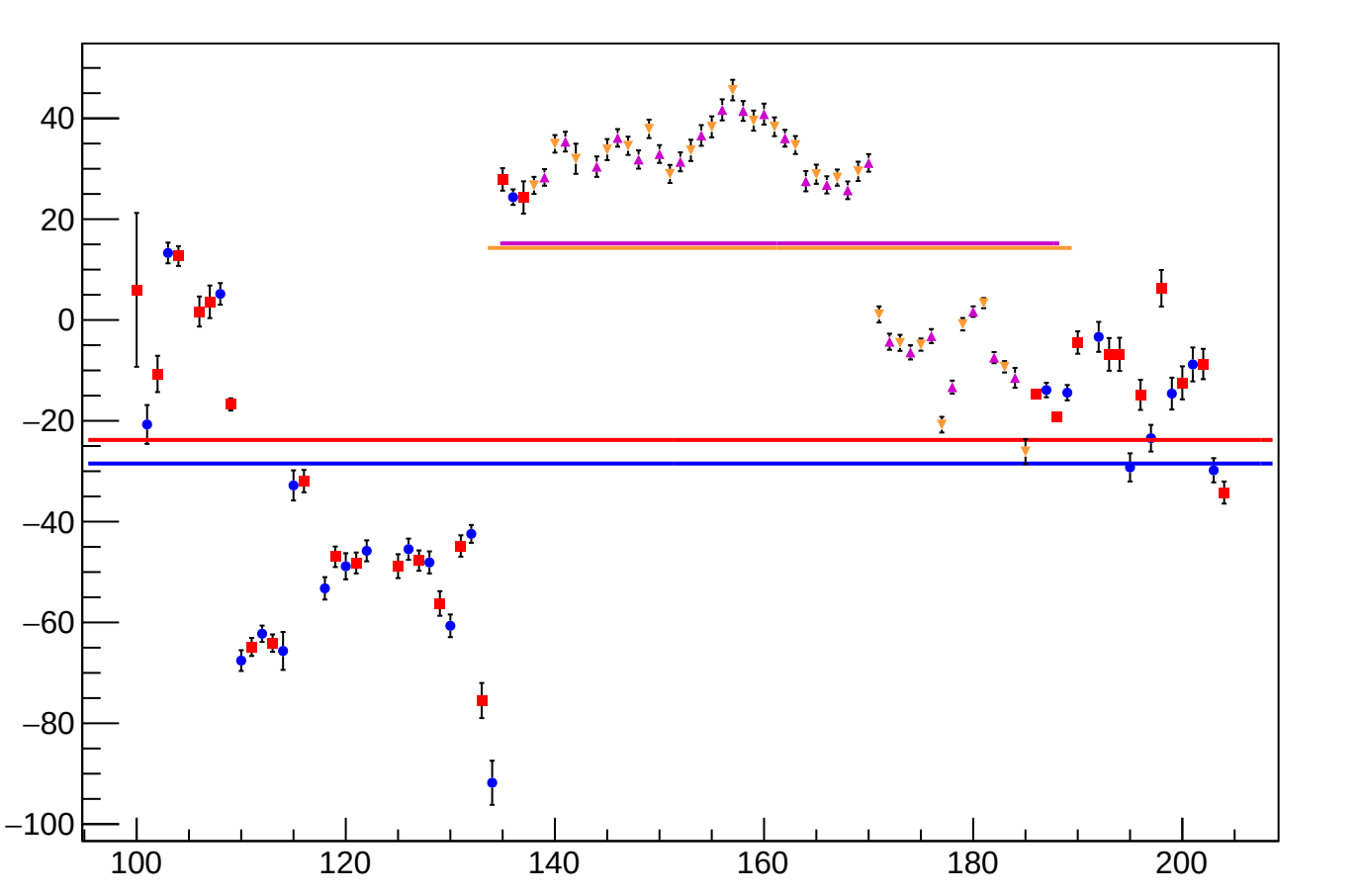
Left: -6.862+/-0.014 χ^2/NDF: 985866.7/46

Right: 12.442+/-0.037 χ^2/NDF: 353726.3/51

In: -4.607+/-0.019 χ^2/NDF:801309.4/46

Out: -4.140+/-0.019 χ^2/NDF:772569.3/51

All: -4.371+/-0.013 χ^2/NDF: 1574184.1/98



Right In: -28.473+/-0.447 χ^2/NDF: 3930.9/23

Left Out: 14.295+/-0.335 χ^2/NDF:3726.3/23

Right Out: -23.791+/-0.370 χ^2/NDF: 3796.7/27

Left In: 15.194+/-0.339 χ^2/NDF:3406.6/22

Left: 14.739+/-0.239 χ^2/NDF: 7136.5/46

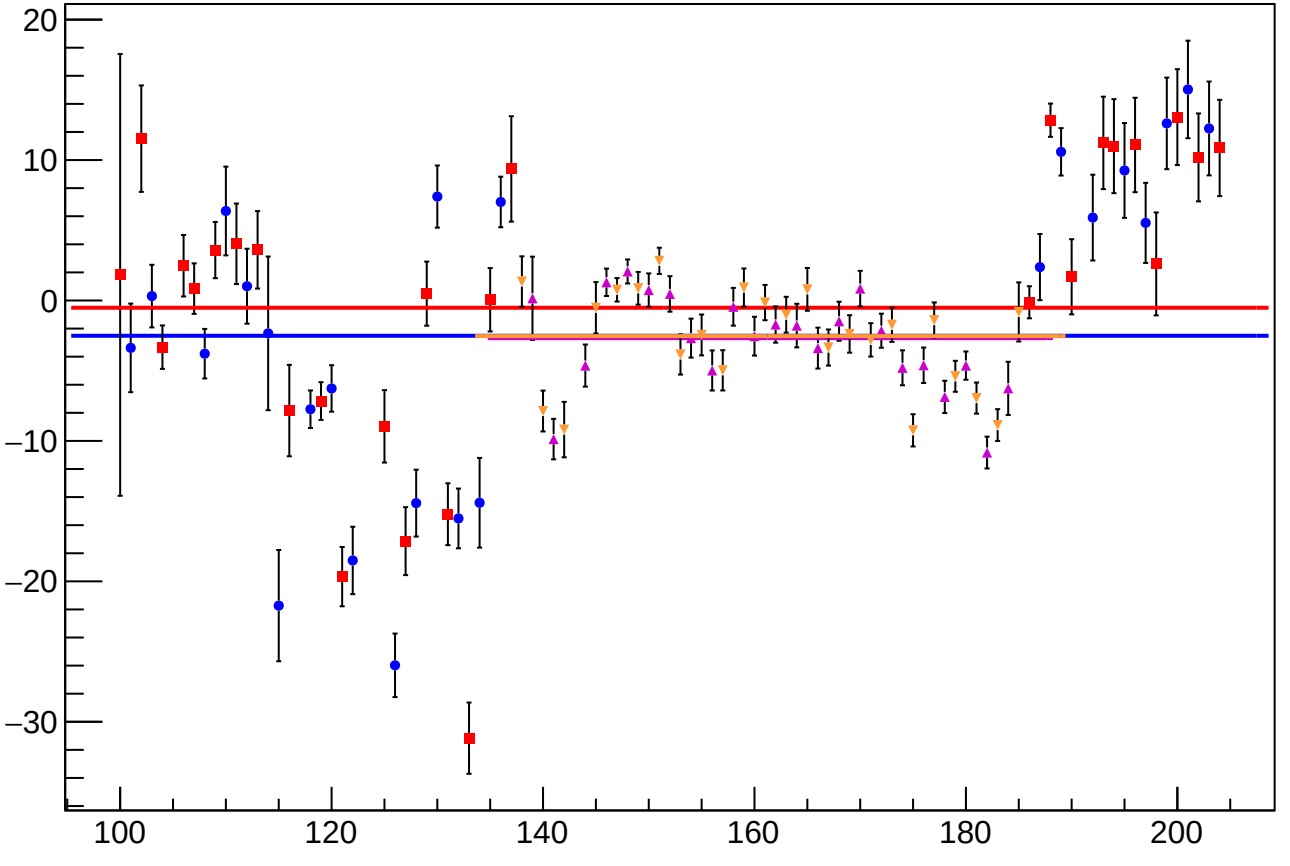
Right: -25.694+/-0.285 χ^2/NDF: 7792.6/51

In: -0.755+/-0.270 χ^2/NDF:13382.9/46

Out: -2.855+/-0.249 χ^2/NDF:13336.0/51

All: -1.893+/-0.183 χ^2/NDF: 26751.7/98

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -2.513+/-0.478 χ^2/NDF: 491.1/23

Left Out: -2.538+/-0.259 χ^2/NDF:198.4/23

Right Out: -0.517+/-0.417 χ^2/NDF: 595.7/27

Left In: -2.681+/-0.265 χ^2/NDF:182.0/22

Left: -2.608+/-0.185 χ^2/NDF: 380.6/46

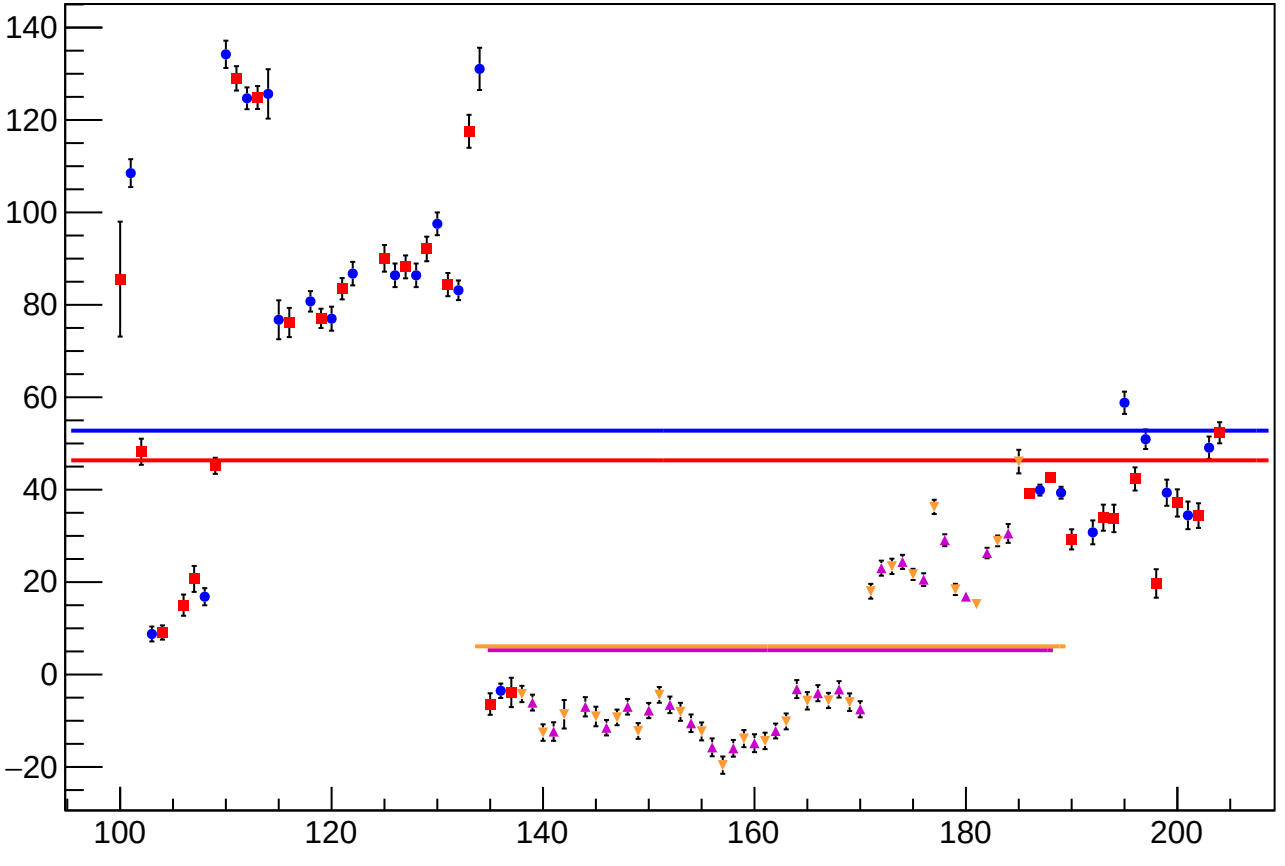
Right: -1.379+/-0.314 χ^2/NDF: 1096.7/51

In: -2.642+/-0.232 χ^2/NDF:673.2/46

Out: -1.975+/-0.220 χ^2/NDF:811.0/51

All: -2.291+/-0.159 χ^2/NDF: 1488.6/98

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 52.775+/-0.443 χ^2/NDF: 6645.9/23

Left Out: 6.095+/-0.333 χ^2/NDF:2773.9/23

Right Out: 46.347+/-0.352 χ^2/NDF: 5953.2/27

Left In: 5.269+/-0.337 χ^2/NDF:2451.2/22

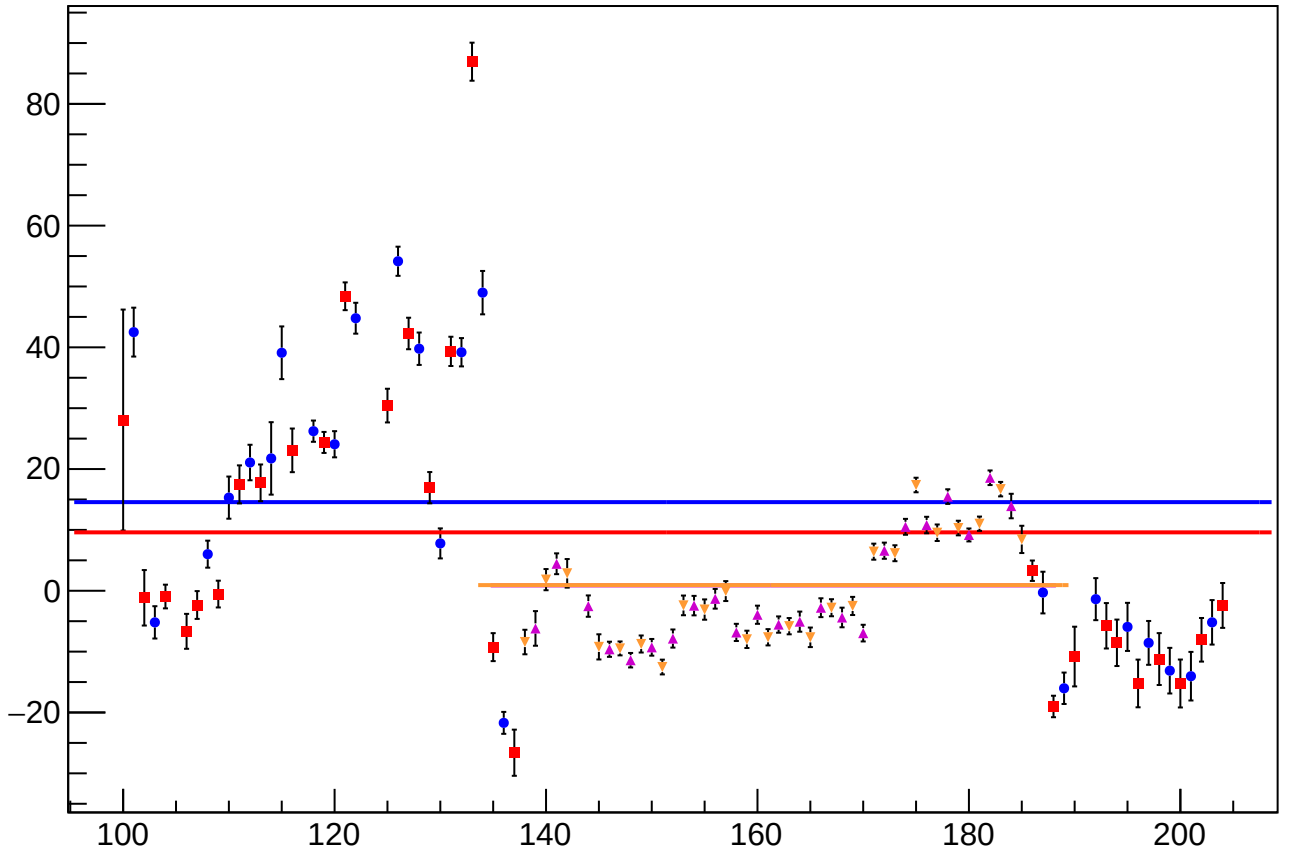
Left: 5.687+/-0.237 χ^2/NDF: 5228.1/46

Right: 48.837+/-0.275 χ^2/NDF: 12728.3/51

In: 22.674+/-0.268 χ^2/NDF:16397.7/46

Out: 25.104+/-0.242 χ^2/NDF:15632.6/51

All: 24.013+/-0.179 χ^2/NDF: 32075.7/98



Right In: 14.565+/-0.567 χ^2/NDF: 1728.2/23

Left Out: 0.929+/-0.292 χ^2/NDF:1041.7/23

Right Out: 9.597+/-0.512 χ^2/NDF: 2126.3/27

Left In: 0.878+/-0.297 χ^2/NDF:1006.0/22

Left: 0.904+/-0.208 χ^2/NDF: 2047.7/46

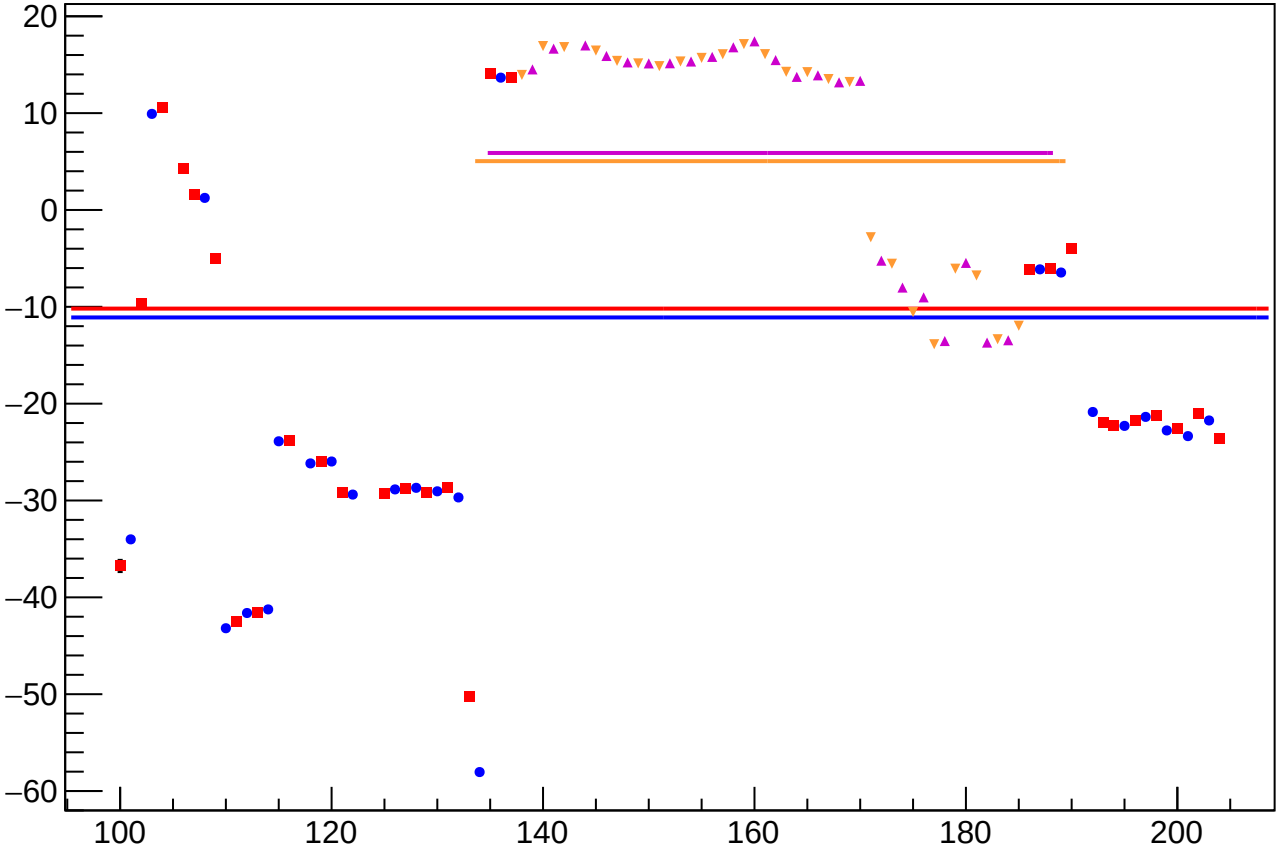
Right: 11.829+/-0.380 χ^2/NDF: 3896.8/51

In: 3.828+/-0.263 χ^2/NDF:3191.1/46

Out: 3.053+/-0.254 χ^2/NDF:3384.2/51

All: 3.426+/-0.183 χ^2/NDF: 6579.9/98

reg_asym_us_dd_at2lr_dd_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -11.097+/-0.026 χ^2/NDF: 486952.8/23

Left Out: 5.042+/-0.013 χ^2/NDF:855564.2/23

Right Out: -10.184+/-0.025 χ^2/NDF: 406659.0/27

Left In: 5.886+/-0.013 χ^2/NDF:846355.0/22

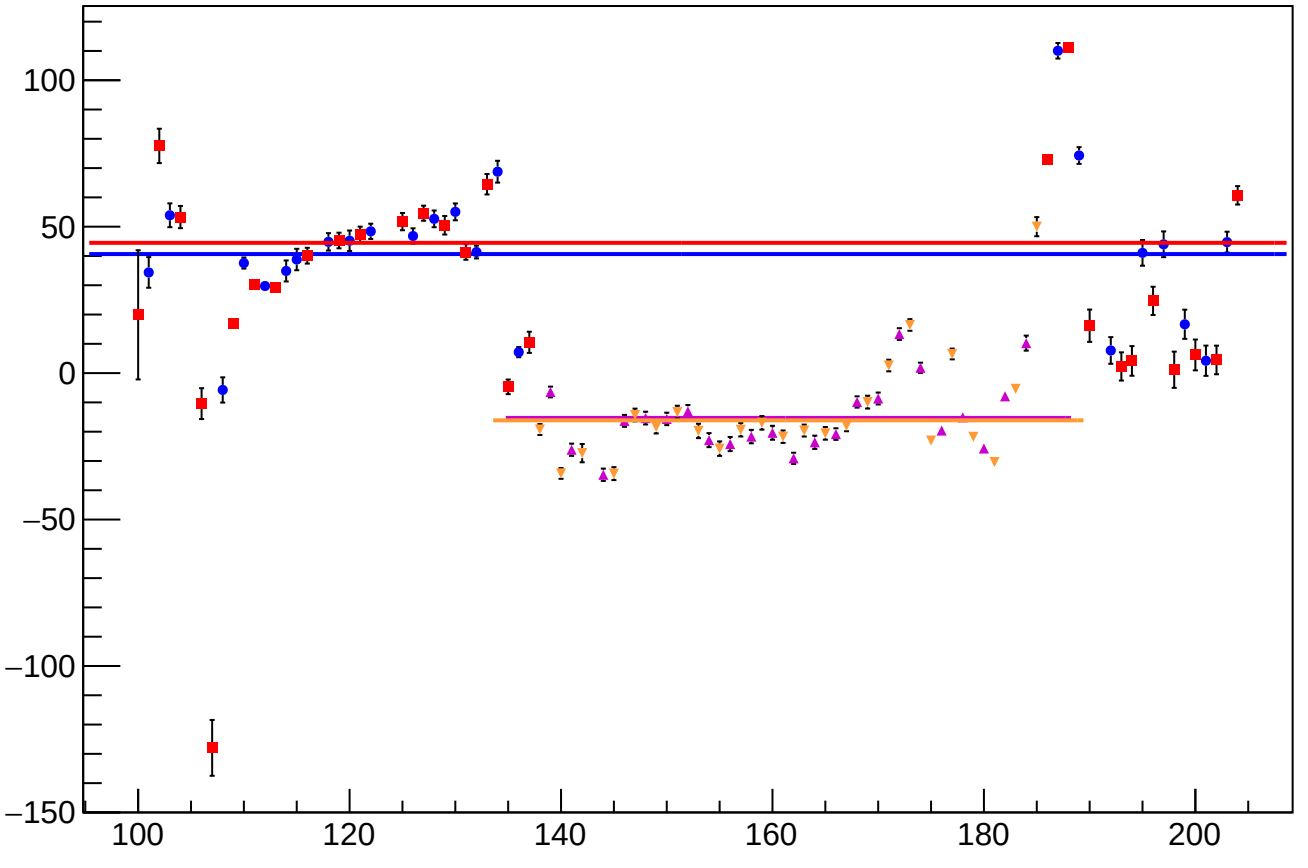
Left: 5.461+/-0.009 χ^2/NDF: 1703993.7/46

Right: -10.615+/-0.018 χ^2/NDF: 894244.9/51

In: 2.505+/-0.012 χ^2/NDF:1665503.3/46

Out: 1.762+/-0.012 χ^2/NDF:1554994.6/51

All: 2.127+/-0.008 χ^2/NDF: 3222528.8/98



Right In: 40.645+/-0.588 χ^2/NDF: 1614.7/23

Left Out: -16.132+/-0.398 χ^2/NDF:1364.9/23

Right Out: 44.485+/-0.523 χ^2/NDF: 4090.8/27

Left In: -15.295+/-0.403 χ^2/NDF:760.9/22

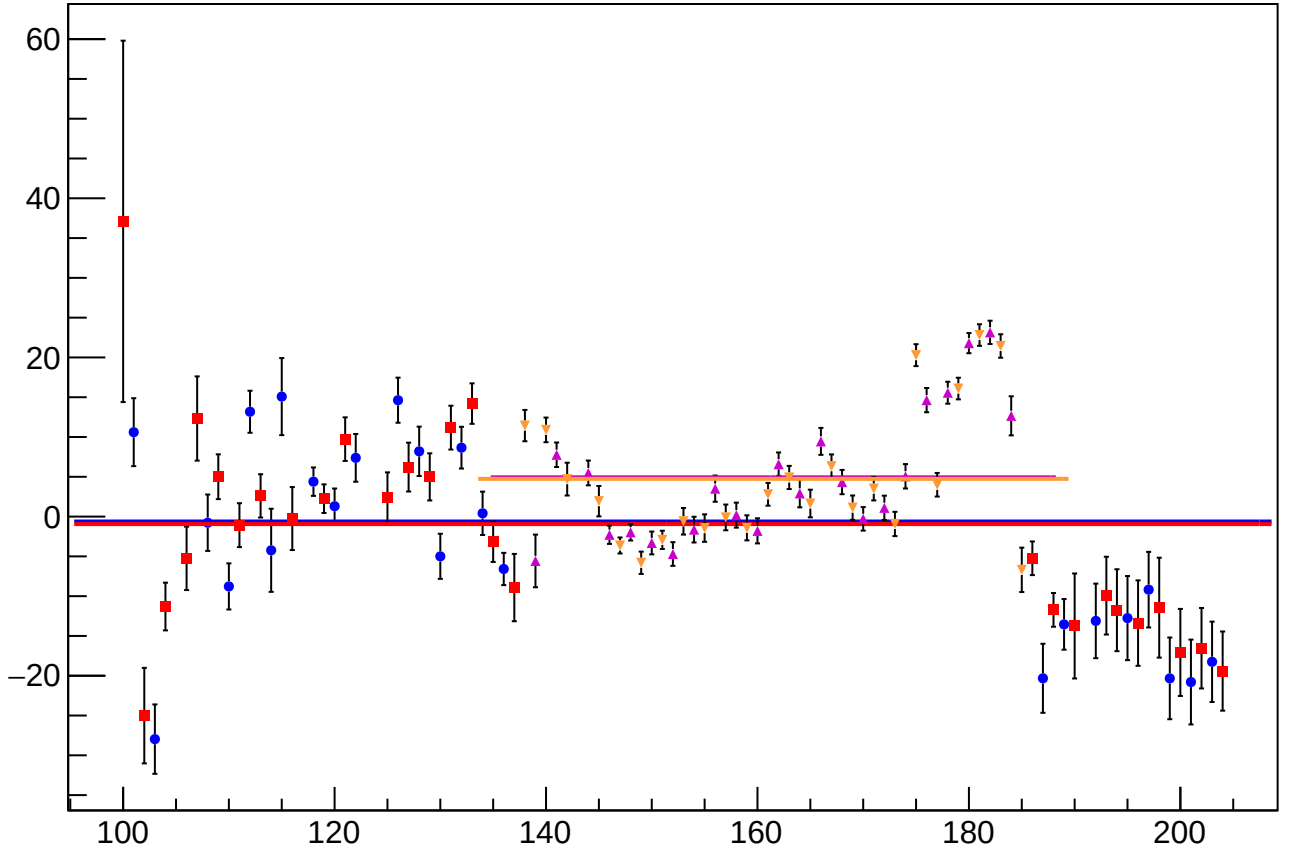
Left: -15.719+/-0.283 χ^2/NDF: 2128.0/46

Right: 42.788+/-0.391 χ^2/NDF: 5729.3/51

In: 2.601+/-0.333 χ^2/NDF:8533.3/46

Out: 6.088+/-0.317 χ^2/NDF:13962.8/51

All: 4.430+/-0.229 χ^2/NDF: 22553.7/98



Right In: -0.618+/-0.643 χ^2/NDF: 263.0/23

Left Out: 4.745+/-0.307 χ^2/NDF:793.8/23

Right Out: -0.943+/-0.611 χ^2/NDF: 214.1/27

Left In: 4.935+/-0.313 χ^2/NDF:688.4/22

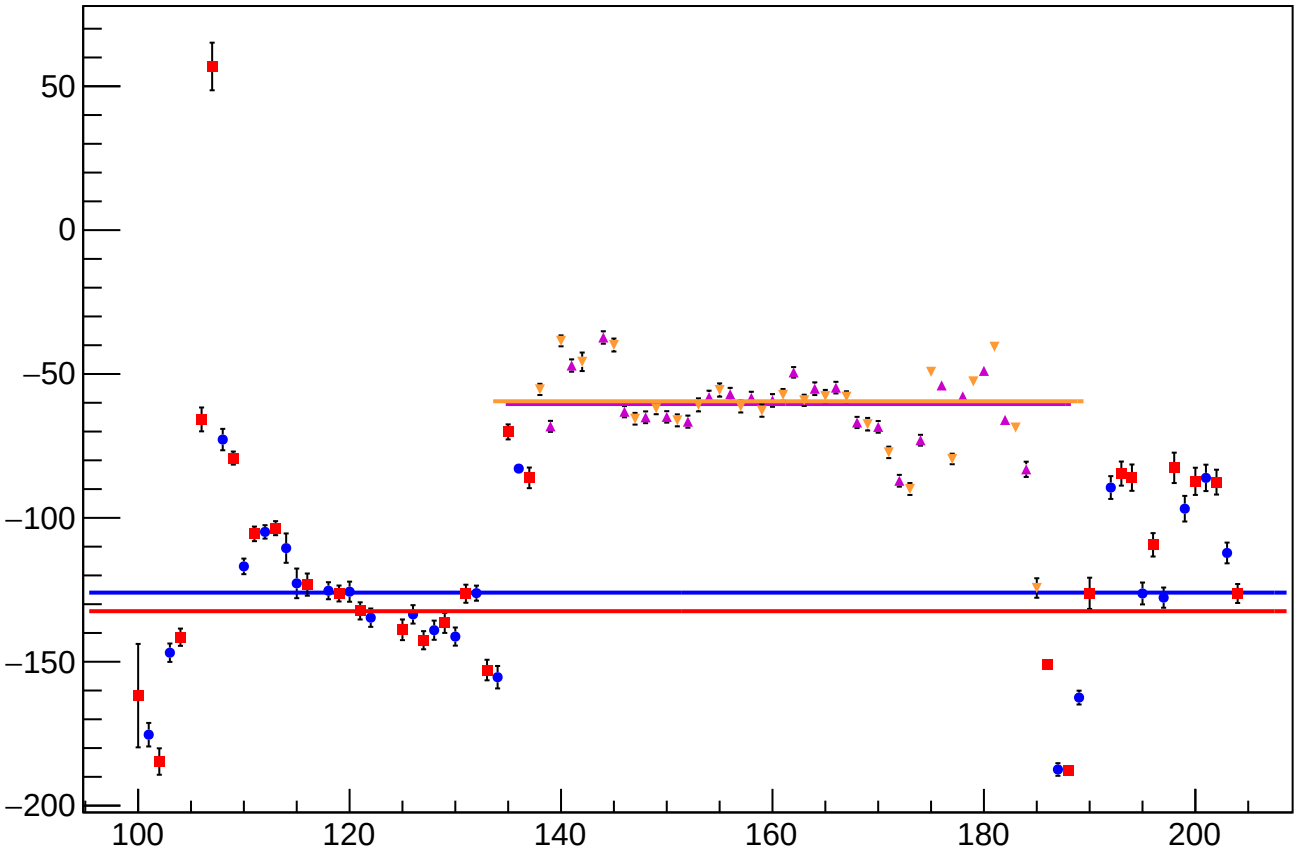
Left: 4.838+/-0.219 χ^2/NDF: 1482.3/46

Right: -0.789+/-0.443 χ^2/NDF: 477.2/51

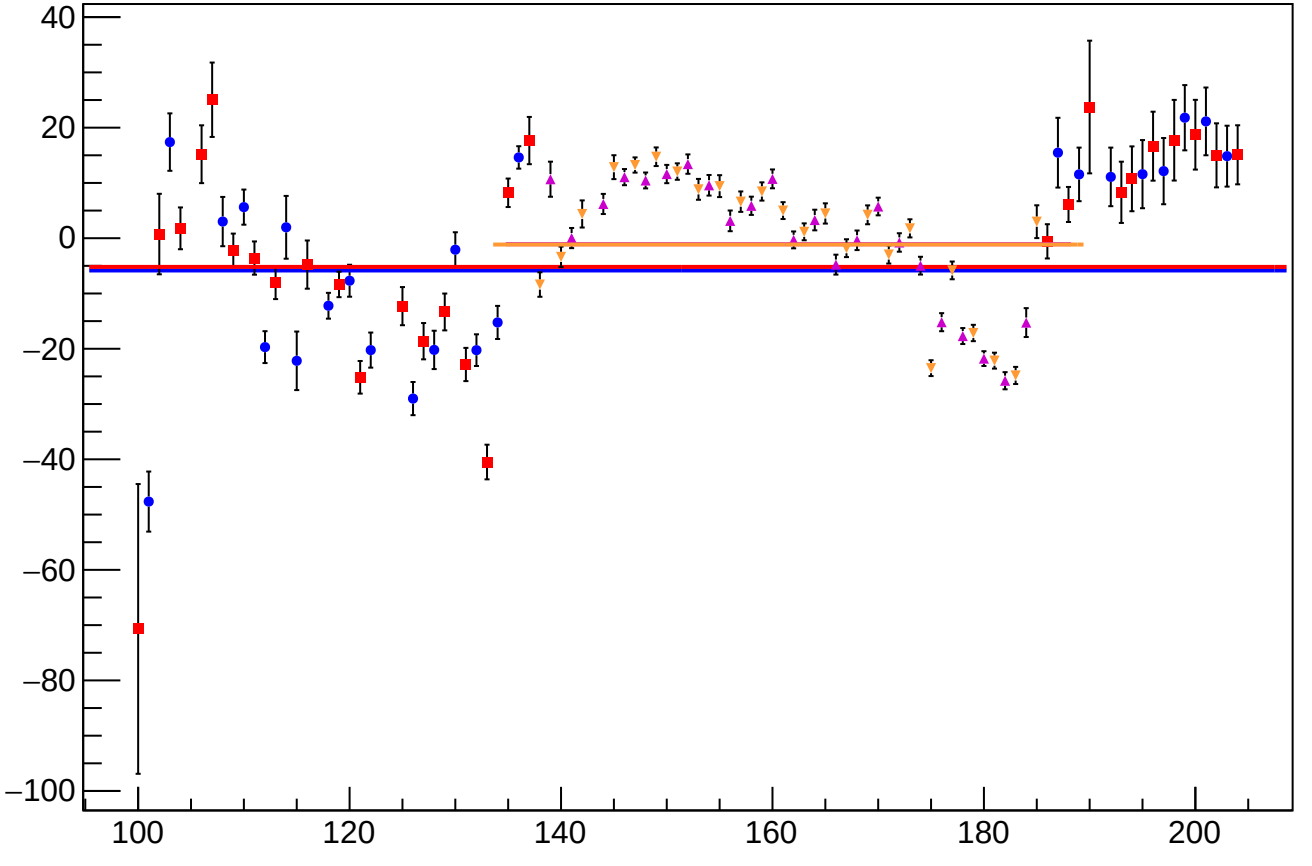
In: 3.870+/-0.281 χ^2/NDF:1011.7/46

Out: 3.602+/-0.274 χ^2/NDF:1077.1/51

All: 3.732+/-0.196 χ^2/NDF: 2089.2/98


reg_asym_us_dd_atlr_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected
50
0
−50
−100
−150
−200
100
120
140
160
180
200
Right In: -125.976+/-0.630 χ²/NDF: 2447.7/23
Left Out: -59.480+/-0.395 χ²/NDF:1372.3/23
Right Out: -132.433+/-0.546 χ²/NDF: 5319.4/27
Left In: -60.435+/-0.400 χ²/NDF:668.3/22
Left: -59.952+/-0.281 χ²/NDF: 2043.4/46
Right: -129.666+/-0.413 χ²/NDF: 7827.1/51
In: -79.219+/-0.337 χ²/NDF:10829.4/46
Out: -84.551+/-0.320 χ²/NDF:18418.5/51
All: -82.027+/-0.232 χ²/NDF: 29379.4/98

reg_asym_us_dd_atlr_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -5.837+/-0.740 χ^2/NDF: 480.9/23

Left Out: -1.144+/-0.346 χ^2/NDF:1303.0/23

Right Out: -5.191+/-0.720 χ^2/NDF: 436.5/27

Left In: -1.082+/-0.352 χ^2/NDF:1157.4/22

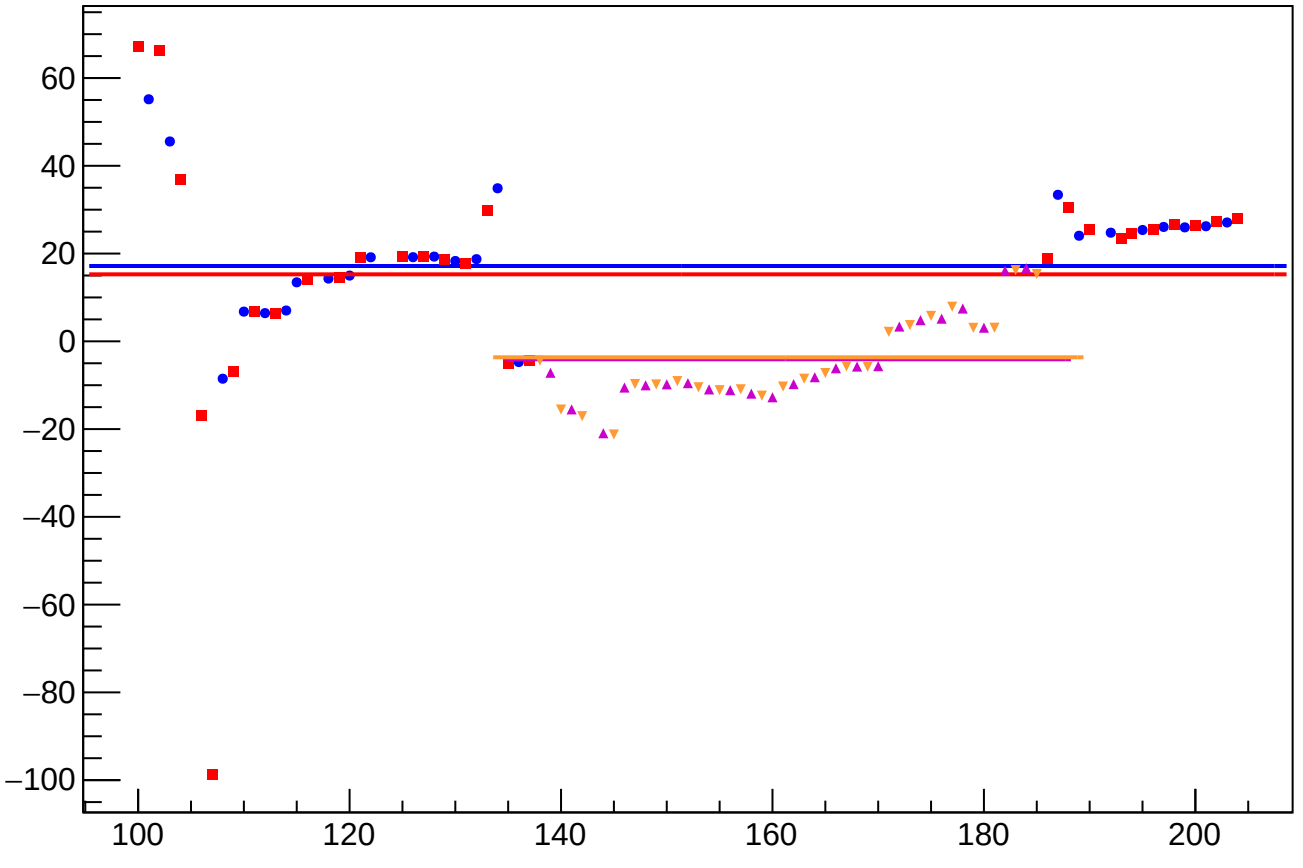
Left: -1.114+/-0.247 χ^2/NDF: 2460.4/46

Right: -5.505+/-0.516 χ^2/NDF: 917.8/51

In: -1.958+/-0.318 χ^2/NDF:1671.9/46

Out: -1.902+/-0.312 χ^2/NDF:1765.2/51

All: -1.930+/-0.222 χ^2/NDF: 3437.1/98



Right In: 17.167+/-0.038 χ^2/NDF: 207293.5/23

Left Out: -3.639+/-0.015 χ^2/NDF:345861.2/23

Right Out: 15.267+/-0.038 χ^2/NDF: 341087.4/27

Left In: -4.091+/-0.016 χ^2/NDF:333287.4/22

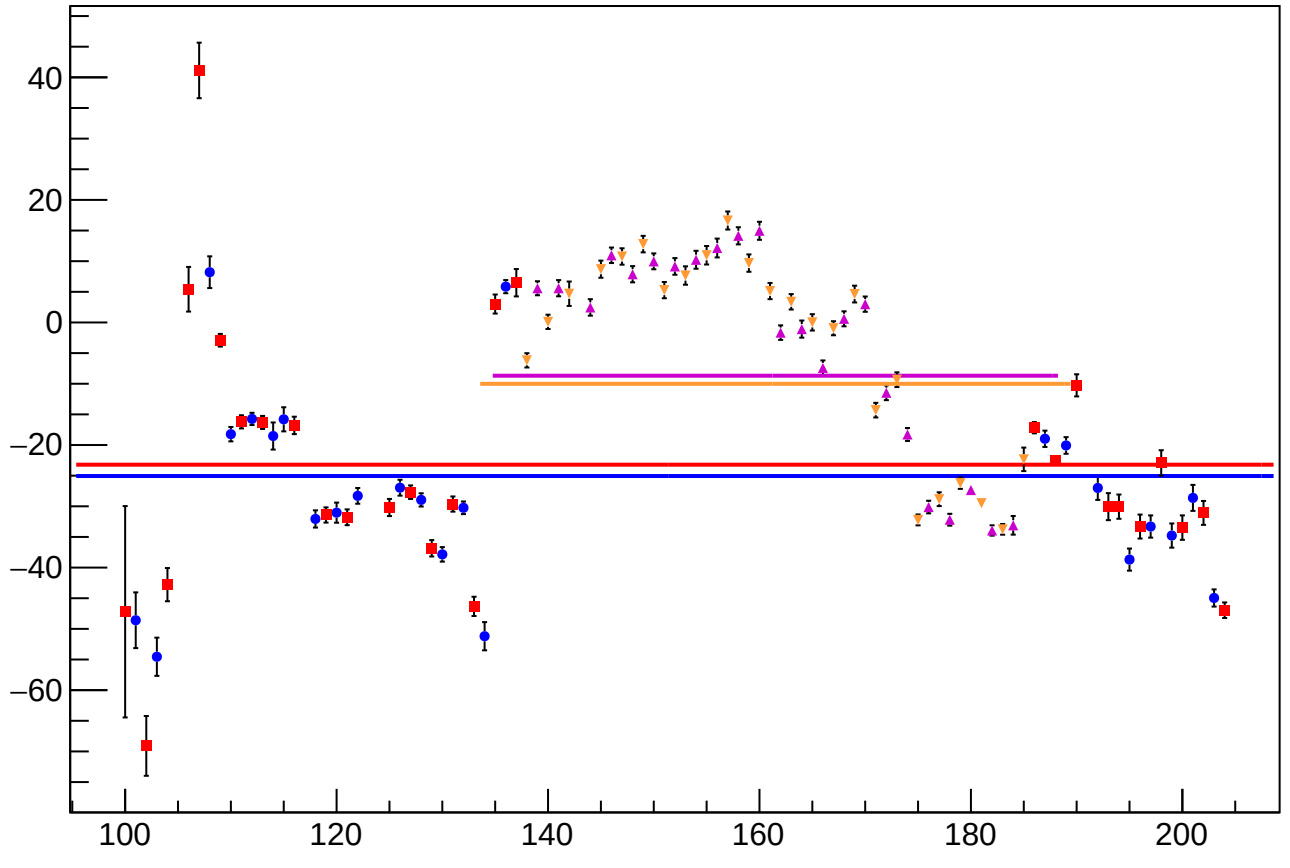
Left: -3.864+/-0.011 χ^2/NDF: 679574.3/46

Right: 16.207+/-0.027 χ^2/NDF: 549649.7/51

In: -1.035+/-0.014 χ^2/NDF:809892.4/46

Out: -0.899+/-0.014 χ^2/NDF:903915.2/51

All: -0.967+/-0.010 χ^2/NDF: 1713852.8/98



Right In: -25.058+/-0.300 χ^2/NDF: 1934.8/23

Left Out: -10.013+/-0.244 χ^2/NDF:4977.5/23

Right Out: -23.209+/-0.272 χ^2/NDF: 2369.7/27

Left In: -8.689+/-0.248 χ^2/NDF:5021.6/22

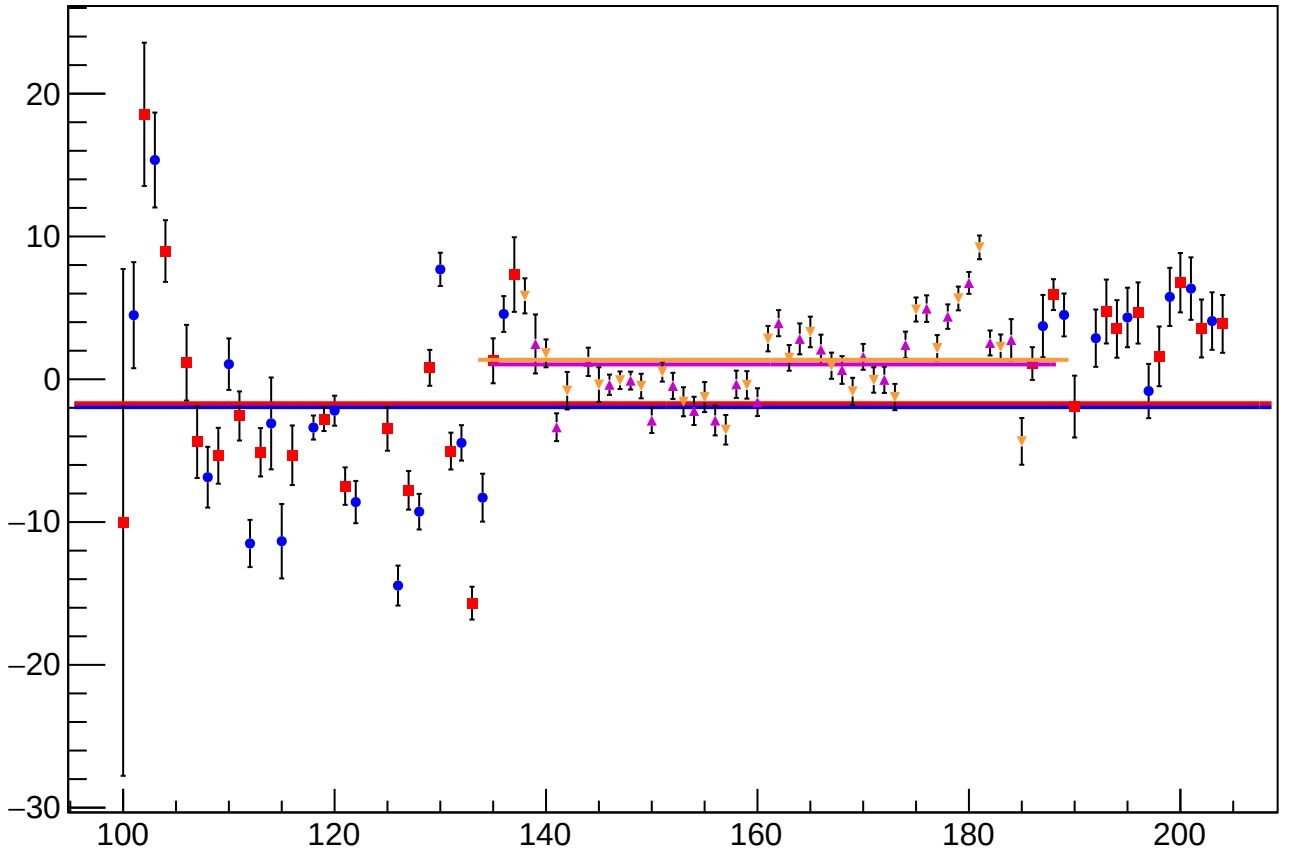
Left: -9.360+/-0.174 χ^2/NDF: 10013.6/46

Right: -24.042+/-0.201 χ^2/NDF: 4325.4/51

In: -15.323+/-0.191 χ^2/NDF:8726.9/46

Out: -15.913+/-0.182 χ^2/NDF:8651.4/51

All: -15.633+/-0.132 χ^2/NDF: 17383.3/98



Right In: -1.950+/-0.321 χ^2/NDF: 414.2/23

Left Out: 1.361+/-0.188 χ^2/NDF:240.3/23

Right Out: -1.680+/-0.305 χ^2/NDF: 383.4/27

Left In: 1.041+/-0.192 χ^2/NDF:196.1/22

Left: 1.204+/-0.135 χ^2/NDF: 437.8/46

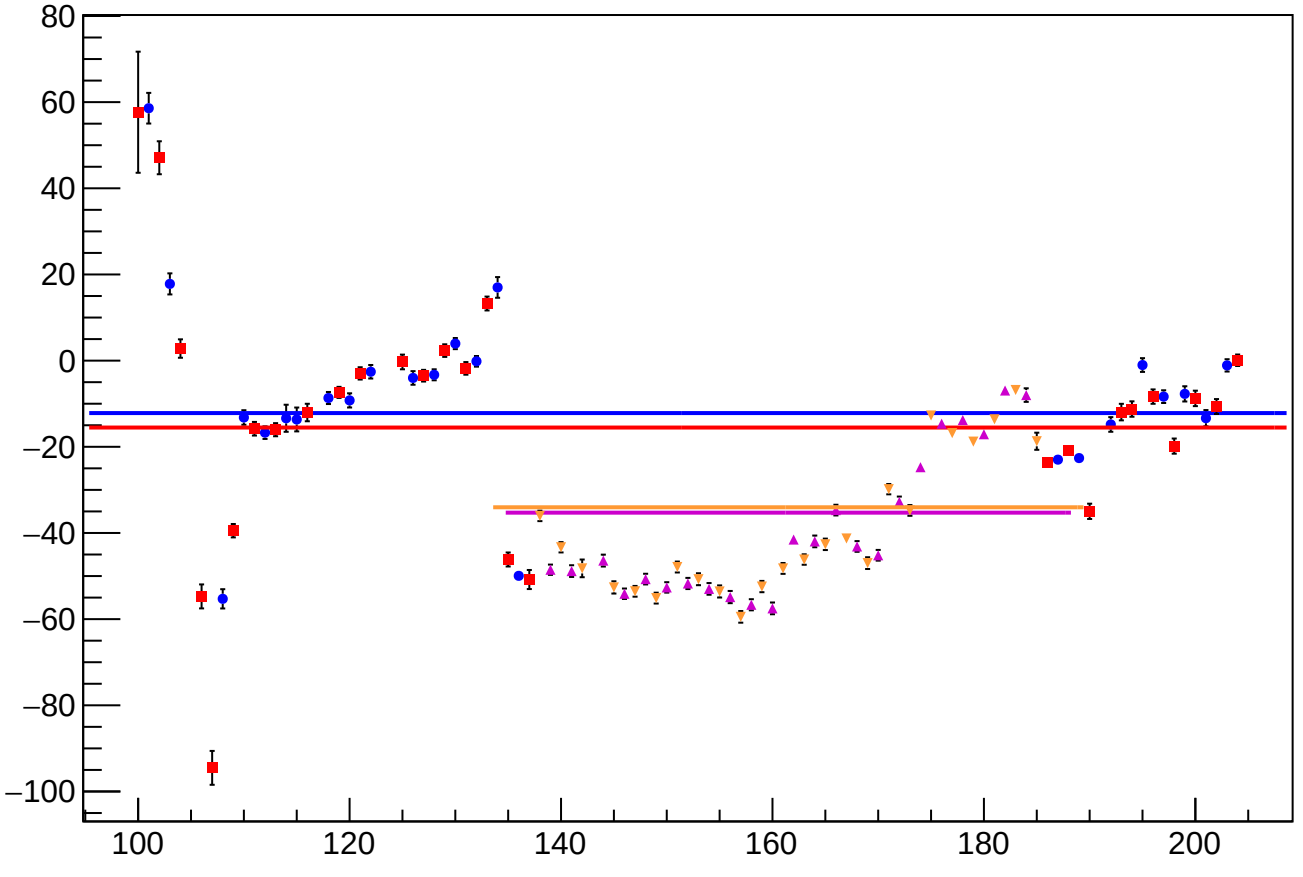
Right: -1.808+/-0.221 χ^2/NDF: 798.0/51

In: 0.250+/-0.165 χ^2/NDF:674.2/46

Out: 0.524+/-0.160 χ^2/NDF:695.5/51

All: 0.391+/-0.115 χ^2/NDF: 1371.1/98

reg_asym_us_dd_atlr_dd_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -12.171+/-0.317 χ^2/NDF: 2967.9/23

Left Out: -34.036+/-0.243 χ^2/NDF:4965.7/23

Right Out: -15.529+/-0.277 χ^2/NDF: 3164.3/27

Left In: -35.285+/-0.245 χ^2/NDF:4998.0/22

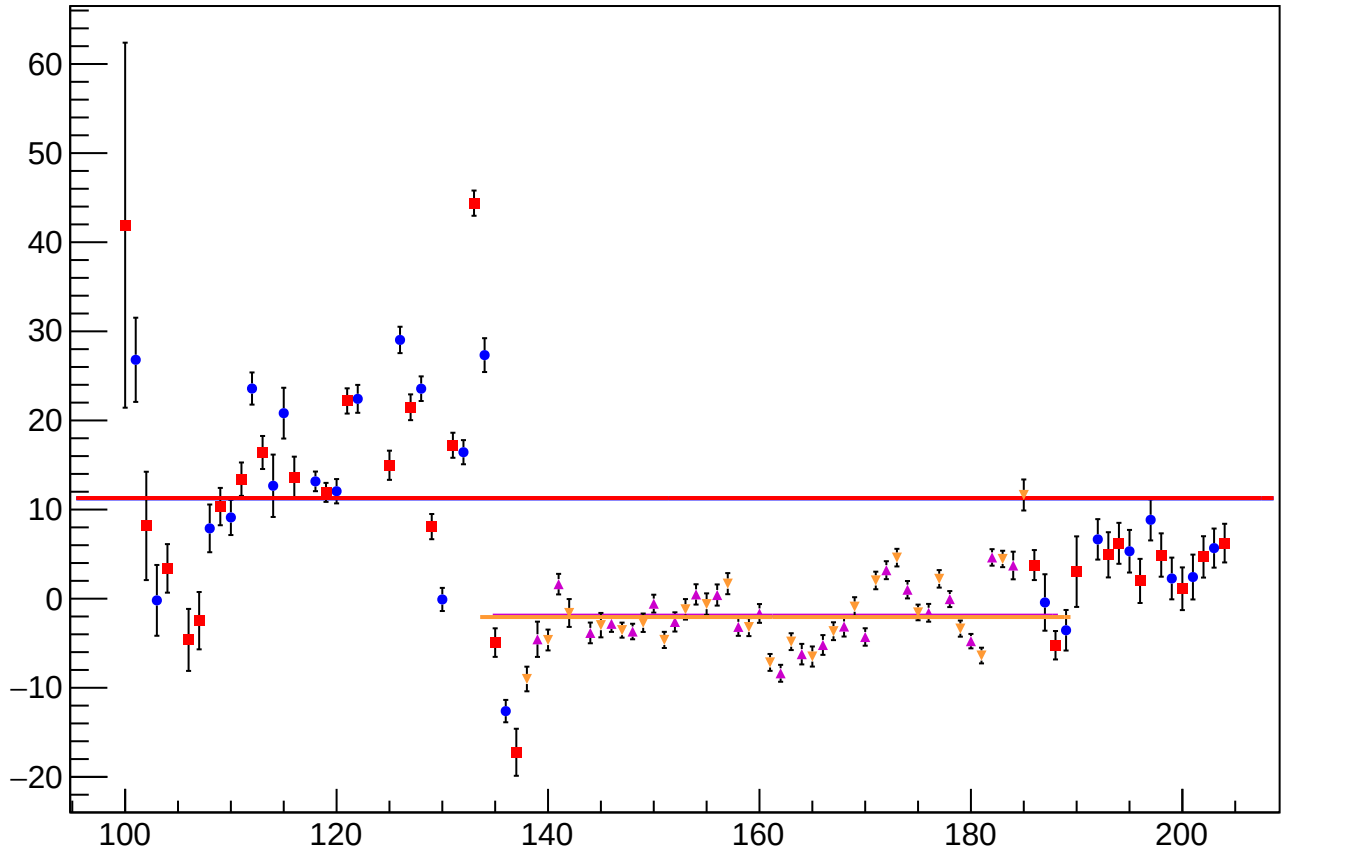
Left: -34.653+/-0.173 χ^2/NDF: 9976.8/46

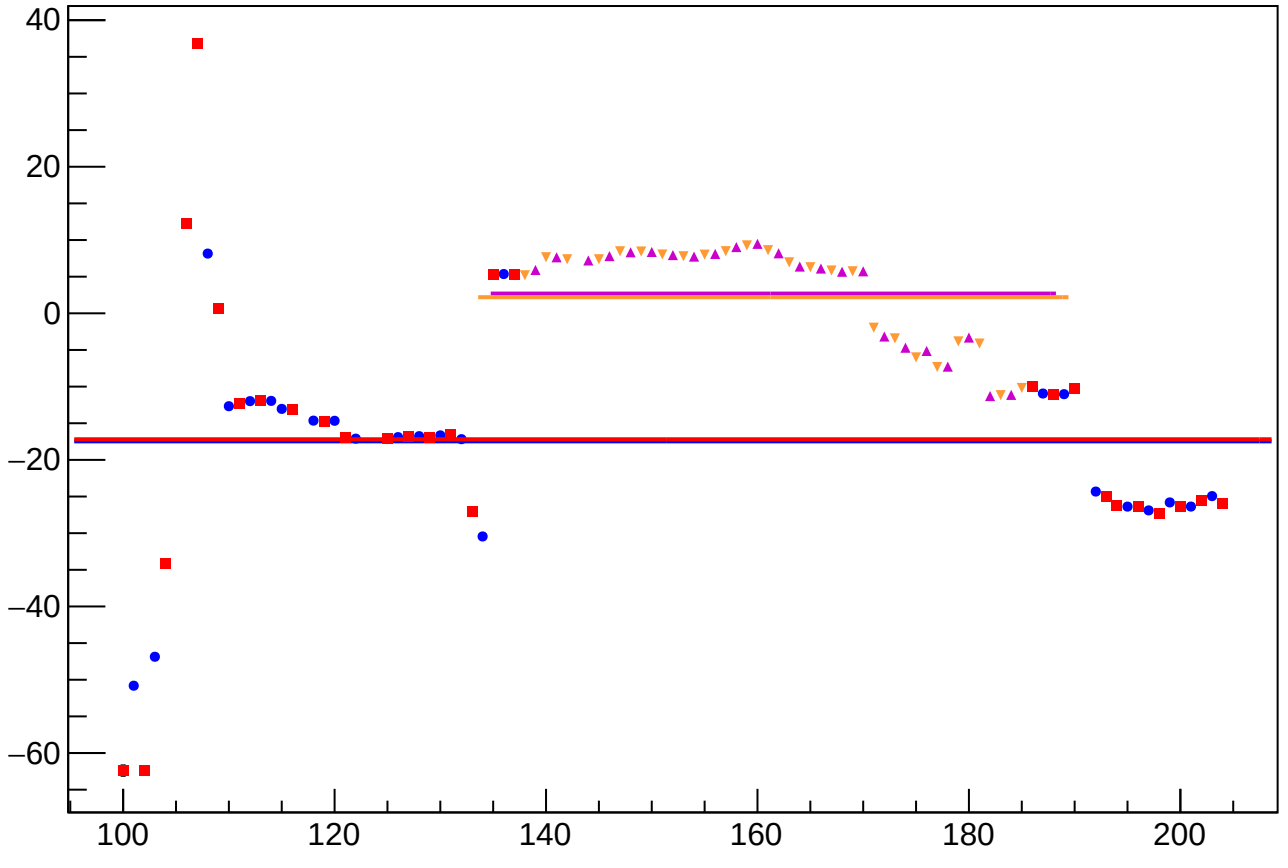
Right: -14.079+/-0.208 χ^2/NDF: 6195.9/51

In: -26.631+/-0.194 χ^2/NDF:11286.8/46

Out: -25.991+/-0.182 χ^2/NDF:10661.0/51

All: -26.291+/-0.133 χ^2/NDF: 21953.5/98


reg_asym_us_dd_atlr_dd_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
60
50
40
30
20
10
0
−10
−20
100
120
140
160
180
200
Right In: 11.246+/-0.372 χ²/NDF: 983.2/23
Left Out: -2.062+/-0.212 χ²/NDF:332.4/23
Right Out: 11.295+/-0.361 χ²/NDF: 1158.4/27
Left In: -1.905+/-0.216 χ²/NDF:222.1/22
Left: -1.985+/-0.151 χ²/NDF: 554.7/46
Right: 11.271+/-0.259 χ²/NDF: 2141.6/51
In: 1.410+/-0.187 χ²/NDF:2138.1/46
Out: 1.365+/-0.183 χ²/NDF:2507.0/51
All: 1.387+/-0.131 χ²/NDF: 4645.1/98



Right In: -17.469+/-0.019 χ^2/NDF: 495908.3/23

Left Out: 2.198+/-0.009 χ^2/NDF:508502.1/23

Right Out: -17.185+/-0.019 χ^2/NDF: 580455.2/27

Left In: 2.694+/-0.010 χ^2/NDF:498824.3/22

Left: 2.445+/-0.007 χ^2/NDF: 1008683.1/46

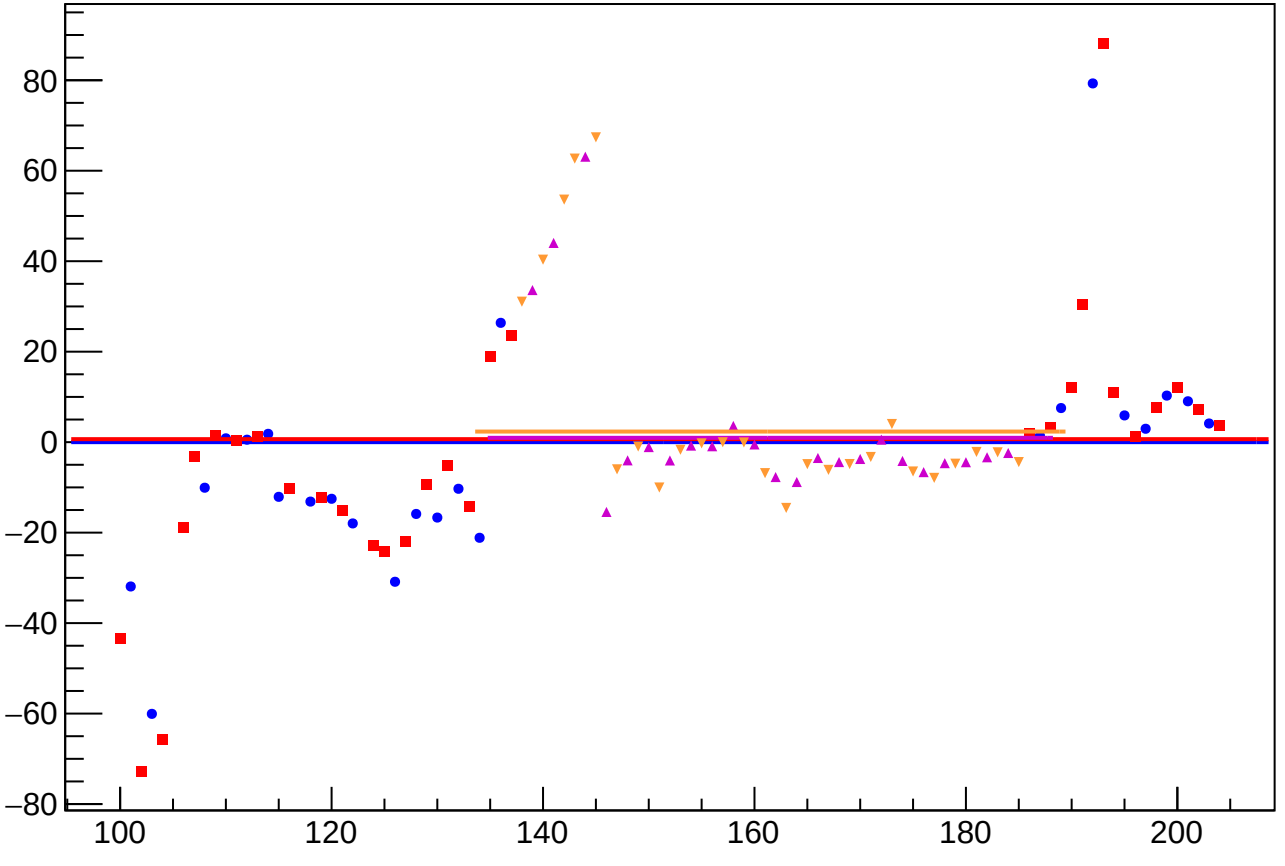
Right: -17.322+/-0.013 χ^2/NDF: 1076477.4/51

In: -1.316+/-0.009 χ^2/NDF:1880894.1/46

Out: -1.837+/-0.008 χ^2/NDF:1956352.3/51

All: -1.580+/-0.006 χ^2/NDF: 3839119.1/98

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.001+/-0.044 χ^2/NDF: 117785.4/23

Left Out: 2.341+/-0.040 χ^2/NDF:176986.1/24

Right Out: 0.665+/-0.037 χ^2/NDF: 119873.9/29

Left In: 0.957+/-0.040 χ^2/NDF:132519.8/22

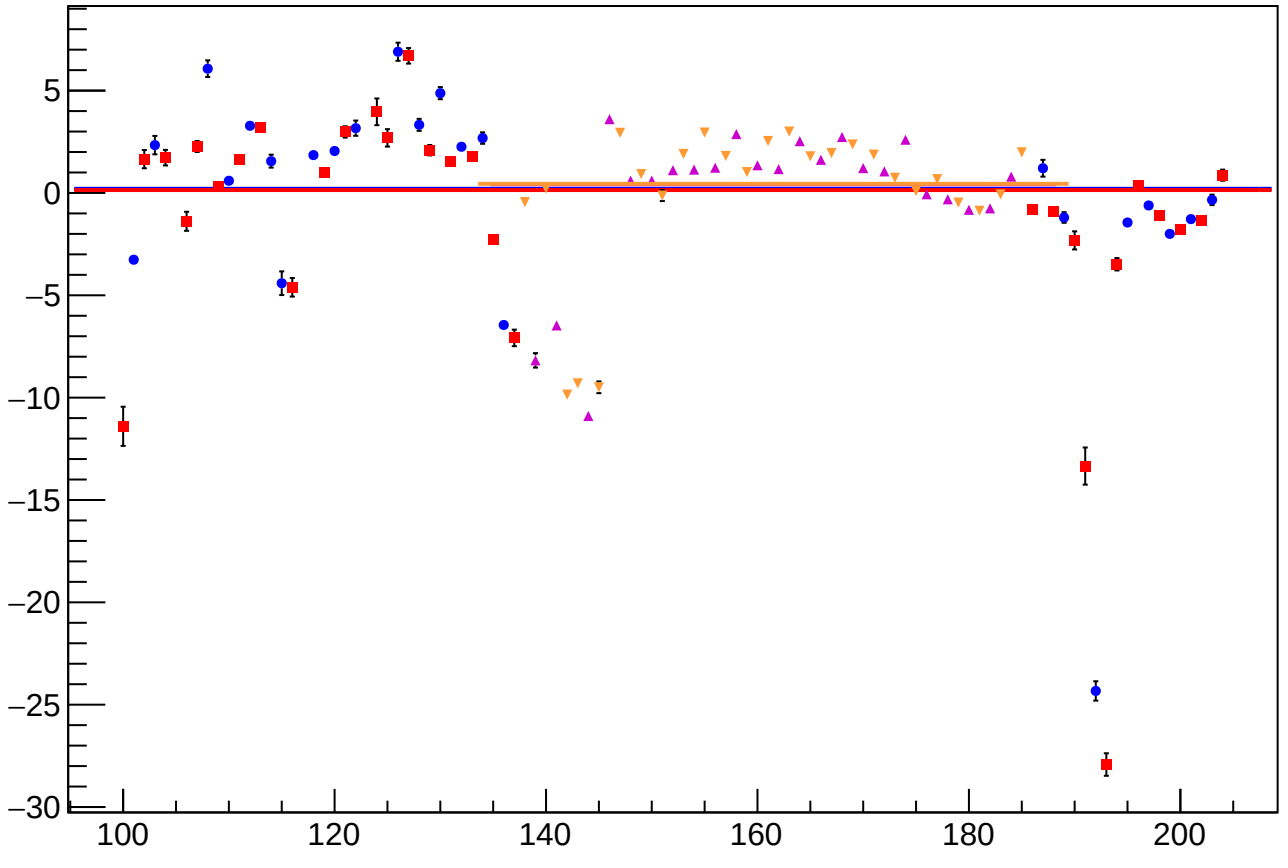
Left: 1.643+/-0.028 χ^2/NDF: 310101.9/47

Right: 0.390+/-0.028 χ^2/NDF: 237793.2/53

In: 0.524+/-0.030 χ^2/NDF:250564.8/46

Out: 1.430+/-0.027 χ^2/NDF:297802.5/54

All: 1.014+/-0.020 χ^2/NDF: 548876.4/101



Right In: 0.202+/-0.049 χ^2/NDF: 5821.4/23

Left Out: 0.446+/-0.033 χ^2/NDF:7044.3/24

Right Out: 0.142+/-0.046 χ^2/NDF: 5075.8/29

Left In: 0.427+/-0.031 χ^2/NDF:7102.3/22

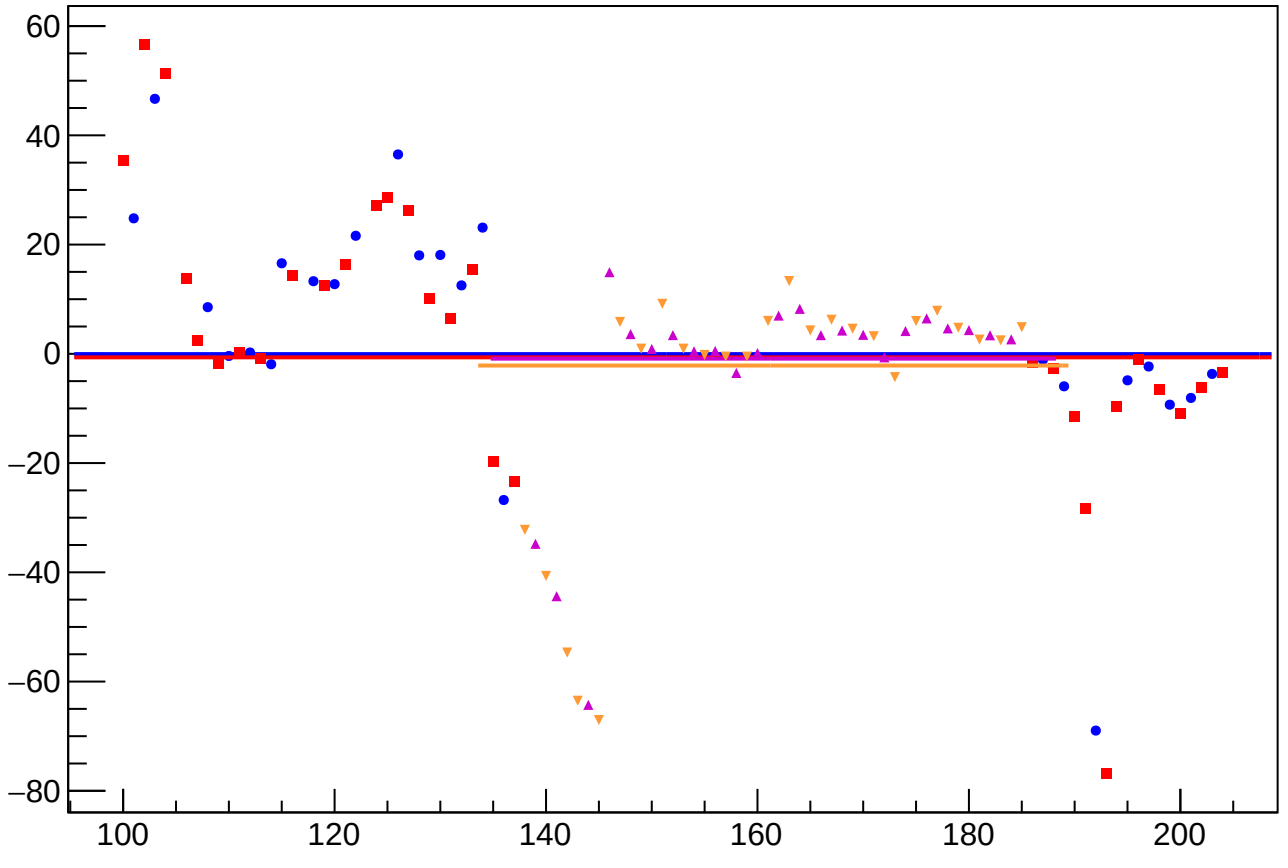
Left: 0.436+/-0.023 χ^2/NDF: 14146.8/47

Right: 0.170+/-0.033 χ^2/NDF: 10898.0/53

In: 0.362+/-0.026 χ^2/NDF:12938.6/46

Out: 0.342+/-0.027 χ^2/NDF:12149.3/54

All: 0.352+/-0.019 χ^2/NDF: 25088.3/101



Right In: -0.054+/-0.046 χ^2/NDF: 116918.9/23

Left Out: -2.143+/-0.040 χ^2/NDF:171271.2/24

Right Out: -0.645+/-0.039 χ^2/NDF: 118254.1/29

Left In: -0.881+/-0.039 χ^2/NDF:129197.8/22

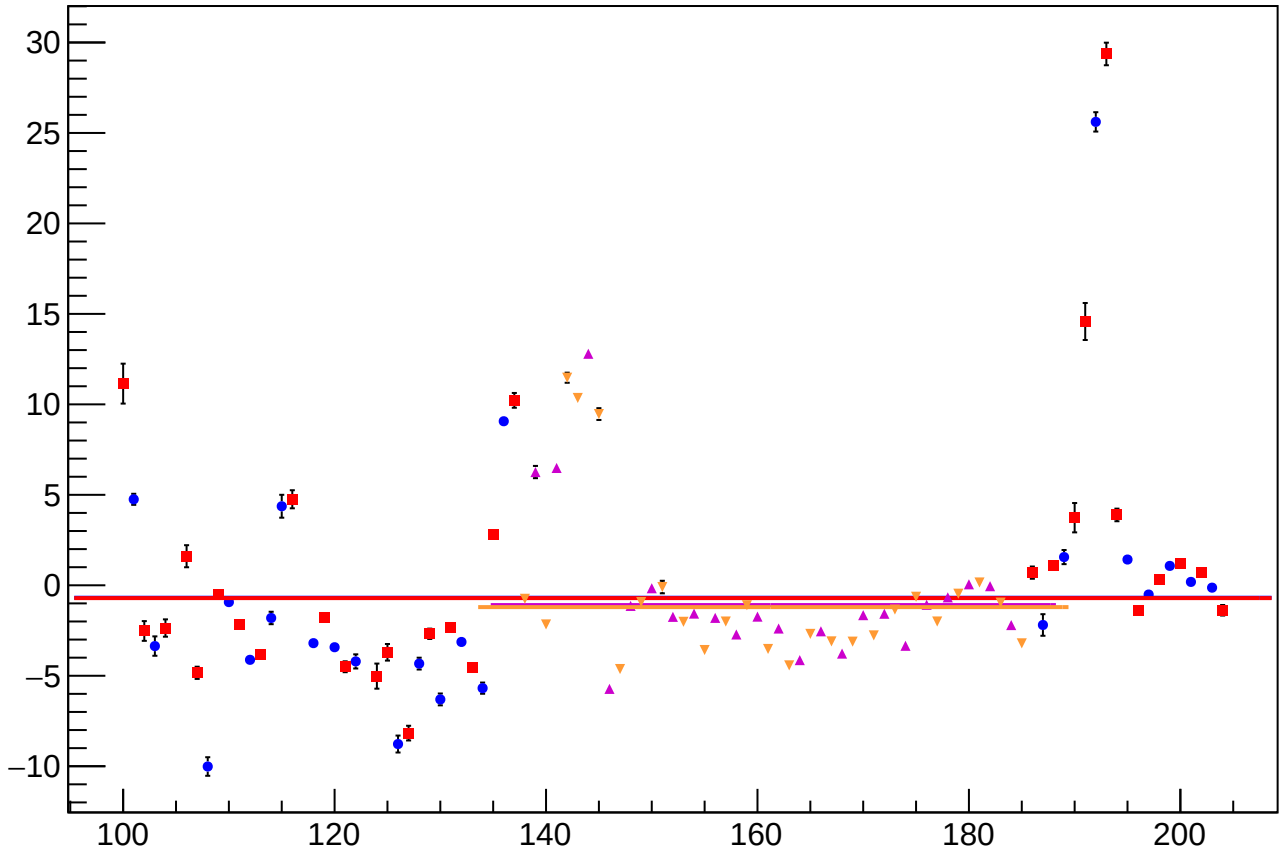
Left: -1.498+/-0.028 χ^2/NDF: 300971.3/47

Right: -0.393+/-0.030 χ^2/NDF: 235269.4/53

In: -0.529+/-0.030 χ^2/NDF:246305.2/46

Out: -1.377+/-0.028 χ^2/NDF:290233.3/54

All: -0.977+/-0.020 χ^2/NDF: 536967.0/101



Right In: -0.687+/-0.058 χ^2/NDF: 7309.0/23

Left Out: -1.206+/-0.036 χ^2/NDF:7003.0/24

Right Out: -0.708+/-0.053 χ^2/NDF: 5606.1/29

Left In: -1.094+/-0.035 χ^2/NDF:7029.2/22

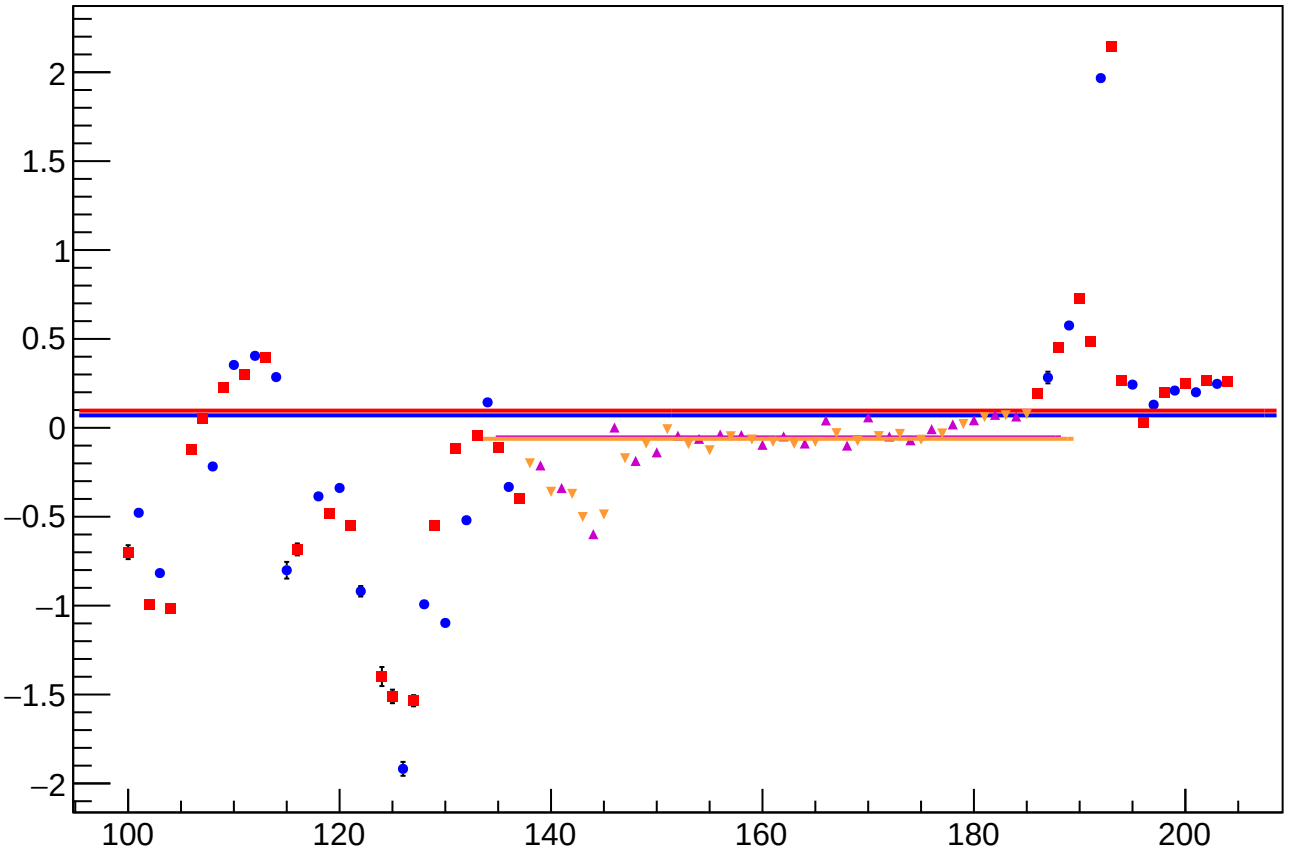
Left: -1.147+/-0.025 χ^2/NDF: 14037.2/47

Right: -0.699+/-0.039 χ^2/NDF: 12915.2/53

In: -0.985+/-0.030 χ^2/NDF:14374.6/46

Out: -1.048+/-0.030 χ^2/NDF:12668.7/54

All: -1.016+/-0.021 χ^2/NDF: 27045.6/101



Right In: 0.070+/-0.003 χ^2/NDF: 33922.2/23

Left Out: -0.062+/-0.002 χ^2/NDF:5711.9/24

Right Out: 0.097+/-0.002 χ^2/NDF: 34638.9/29

Left In: -0.054+/-0.001 χ^2/NDF:5029.9/22

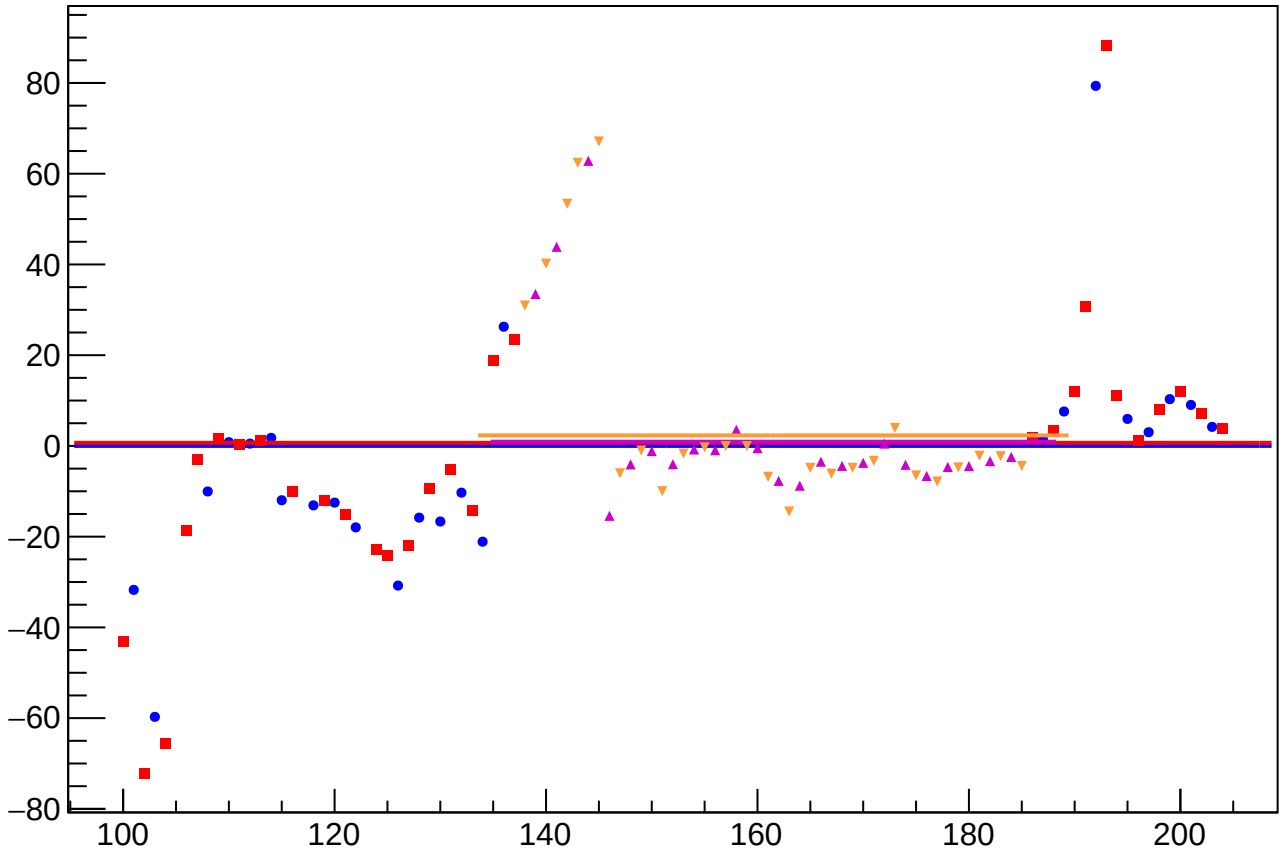
Left: -0.058+/-0.001 χ^2/NDF: 10754.7/47

Right: 0.084+/-0.002 χ^2/NDF: 68617.9/53

In: -0.023+/-0.001 χ^2/NDF:40682.5/46

Out: -0.015+/-0.001 χ^2/NDF:43310.0/54

All: -0.019+/-0.001 χ^2/NDF: 84010.9/101



Right In: 0.012+/-0.044 χ^2/NDF: 118225.2/23

Left Out: 2.318+/-0.040 χ^2/NDF:176746.3/24

Right Out: 0.680+/-0.037 χ^2/NDF: 120396.9/29

Left In: 0.935+/-0.040 χ^2/NDF:132405.3/22

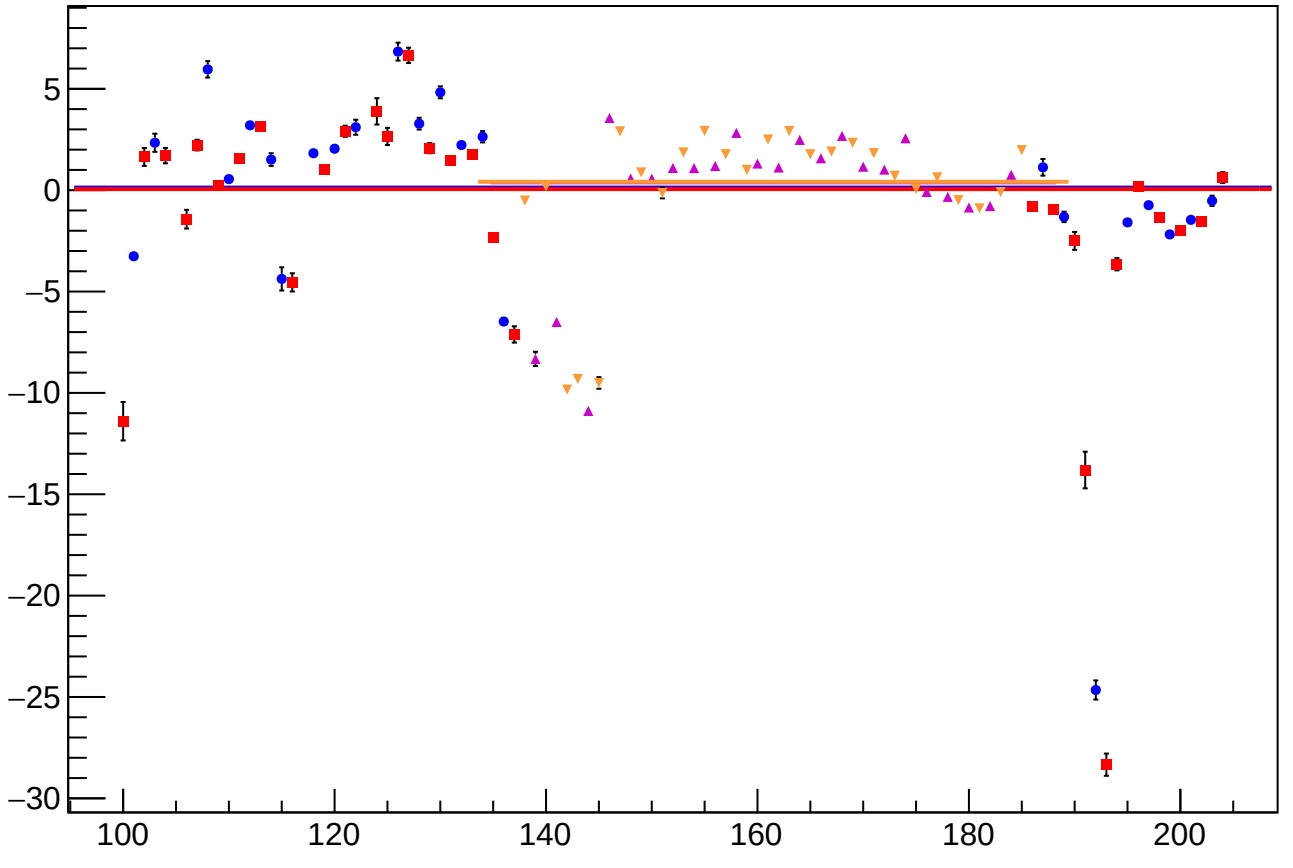
Left: 1.621+/-0.028 χ^2/NDF: 309750.0/47

Right: 0.404+/-0.028 χ^2/NDF: 238759.5/53

In: 0.516+/-0.029 χ^2/NDF:250874.5/46

Out: 1.425+/-0.027 χ^2/NDF:298050.8/54

All: 1.008+/-0.020 χ^2/NDF: 549442.9/101



Right In: 0.128+/-0.049 χ^2/NDF: 5954.9/23

Left Out: 0.414+/-0.033 χ^2/NDF:7047.2/24

Right Out: 0.055+/-0.045 χ^2/NDF: 5244.0/29

Left In: 0.389+/-0.031 χ^2/NDF:7114.2/22

Left: 0.401+/-0.023 χ^2/NDF: 14161.7/47

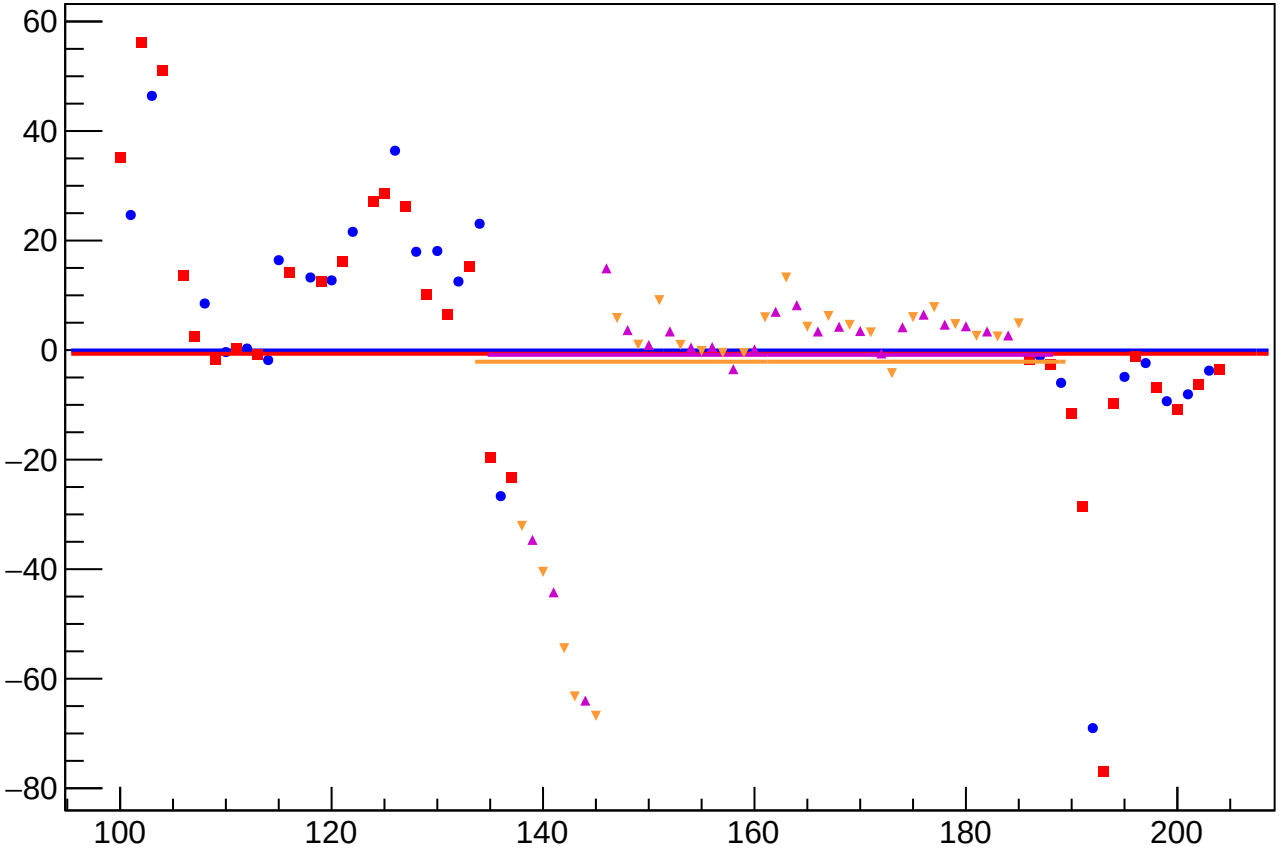
Right: 0.088+/-0.033 χ^2/NDF: 11200.1/53

In: 0.313+/-0.026 χ^2/NDF:13089.3/46

Out: 0.291+/-0.027 χ^2/NDF:12332.4/54

All: 0.302+/-0.019 χ^2/NDF: 25422.0/101

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -0.071+/-0.045 χ^2/NDF: 117339.1/23

Left Out: -2.119+/-0.040 χ^2/NDF:171039.7/24

Right Out: -0.669+/-0.039 χ^2/NDF: 118758.4/29

Left In: -0.859+/-0.039 χ^2/NDF:129084.9/22

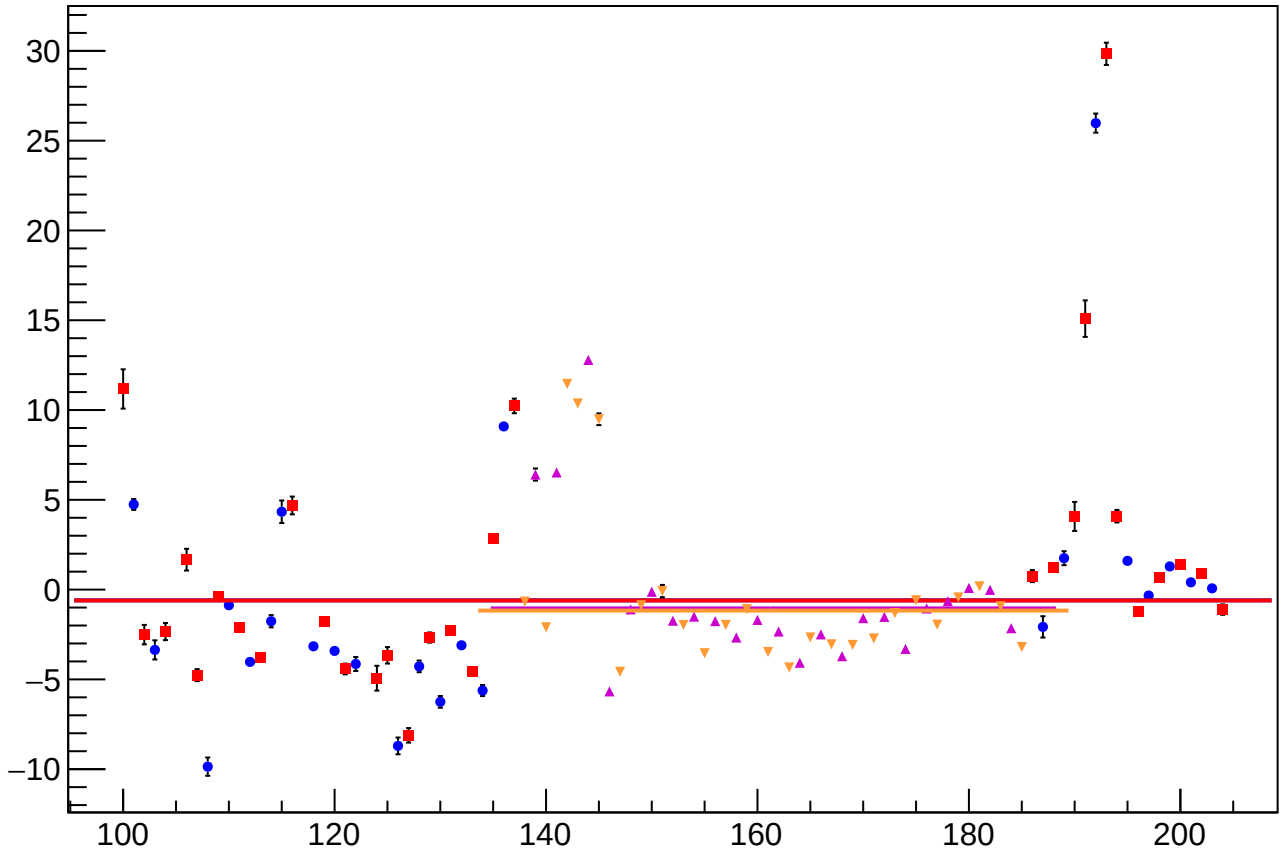
Left: -1.475+/-0.028 χ^2/NDF: 300629.4/47

Right: -0.415+/-0.030 χ^2/NDF: 236197.3/53

In: -0.522+/-0.030 χ^2/NDF:246596.3/46

Out: -1.375+/-0.028 χ^2/NDF:290469.1/54

All: -0.973+/-0.020 χ^2/NDF: 537502.4/101



Right In: -0.597+/-0.057 χ^2/NDF: 7423.1/23

Left Out: -1.167+/-0.036 χ^2/NDF:7001.4/24

Right Out: -0.603+/-0.053 χ^2/NDF: 5763.4/29

Left In: -1.048+/-0.035 χ^2/NDF:7040.7/22

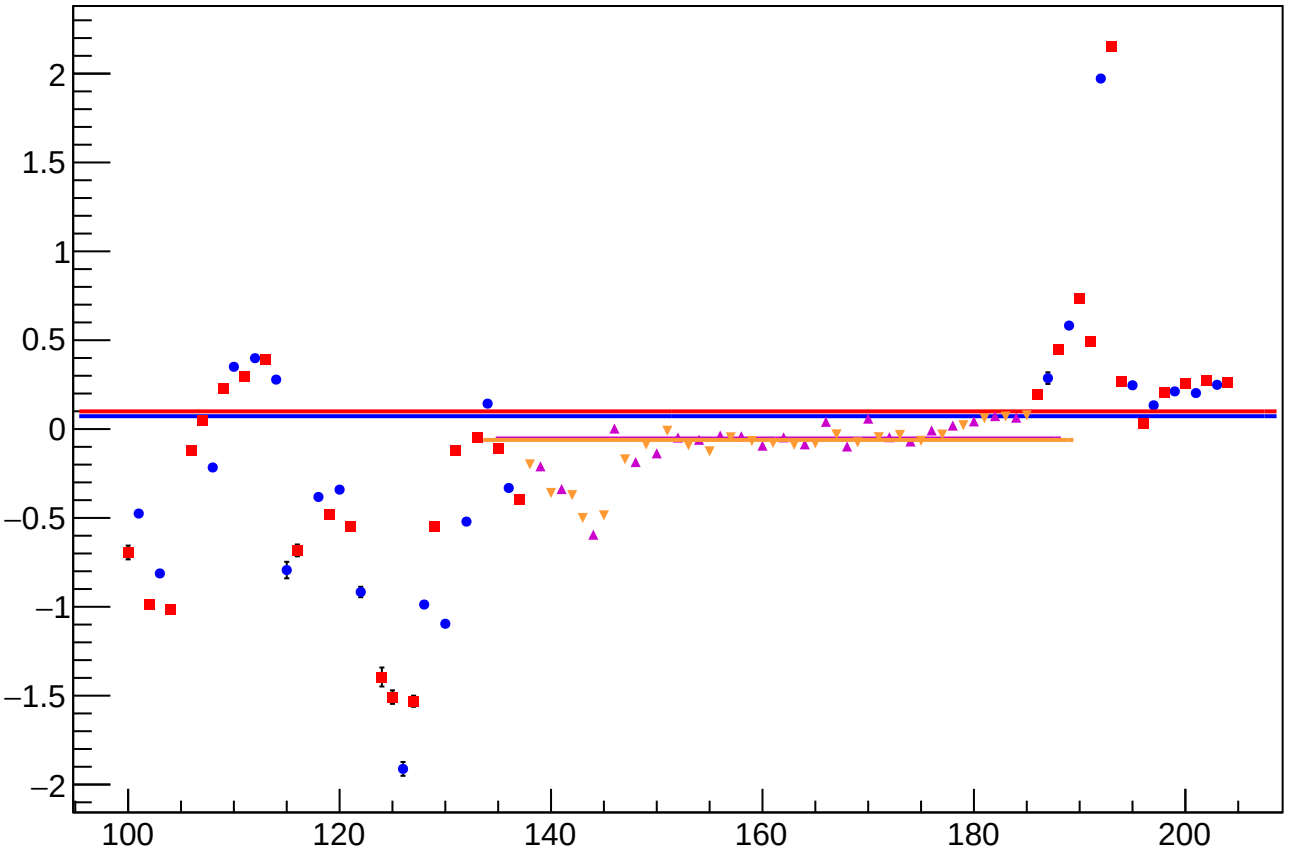
Left: -1.105+/-0.025 χ^2/NDF: 14047.8/47

Right: -0.600+/-0.039 χ^2/NDF: 13186.5/53

In: -0.927+/-0.030 χ^2/NDF:14509.2/46

Out: -0.988+/-0.030 χ^2/NDF:12842.2/54

All: -0.957+/-0.021 χ^2/NDF: 27353.5/101



Right In: 0.072+/-0.003 χ^2/NDF: 34195.2/23

Left Out: -0.061+/-0.002 χ^2/NDF:5729.4/24

Right Out: 0.100+/-0.002 χ^2/NDF: 34949.4/29

Left In: -0.053+/-0.001 χ^2/NDF:5006.2/22

Left: -0.057+/-0.001 χ^2/NDF: 10749.6/47

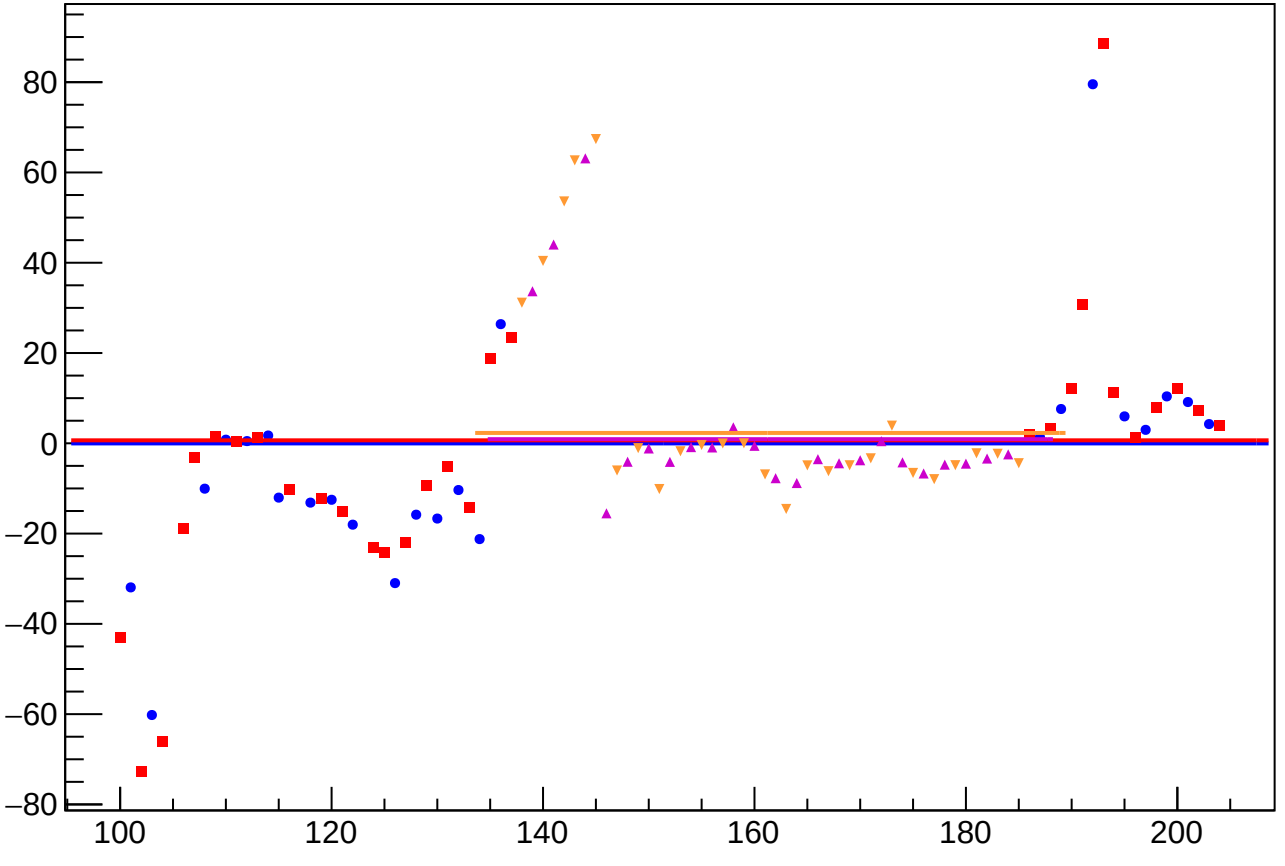
Right: 0.087+/-0.002 χ^2/NDF: 69204.2/53

In: -0.021+/-0.001 χ^2/NDF:40989.1/46

Out: -0.013+/-0.001 χ^2/NDF:43753.6/54

All: -0.018+/-0.001 χ^2/NDF: 84761.2/101

reg_asym_bcm_an_us_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -0.025+/-0.044 χ^2/NDF: 118265.7/23

Left Out: 2.296+/-0.040 χ^2/NDF:177186.2/24

Right Out: 0.659+/-0.037 χ^2/NDF: 120443.4/29

Left In: 0.912+/-0.040 χ^2/NDF:132573.8/22

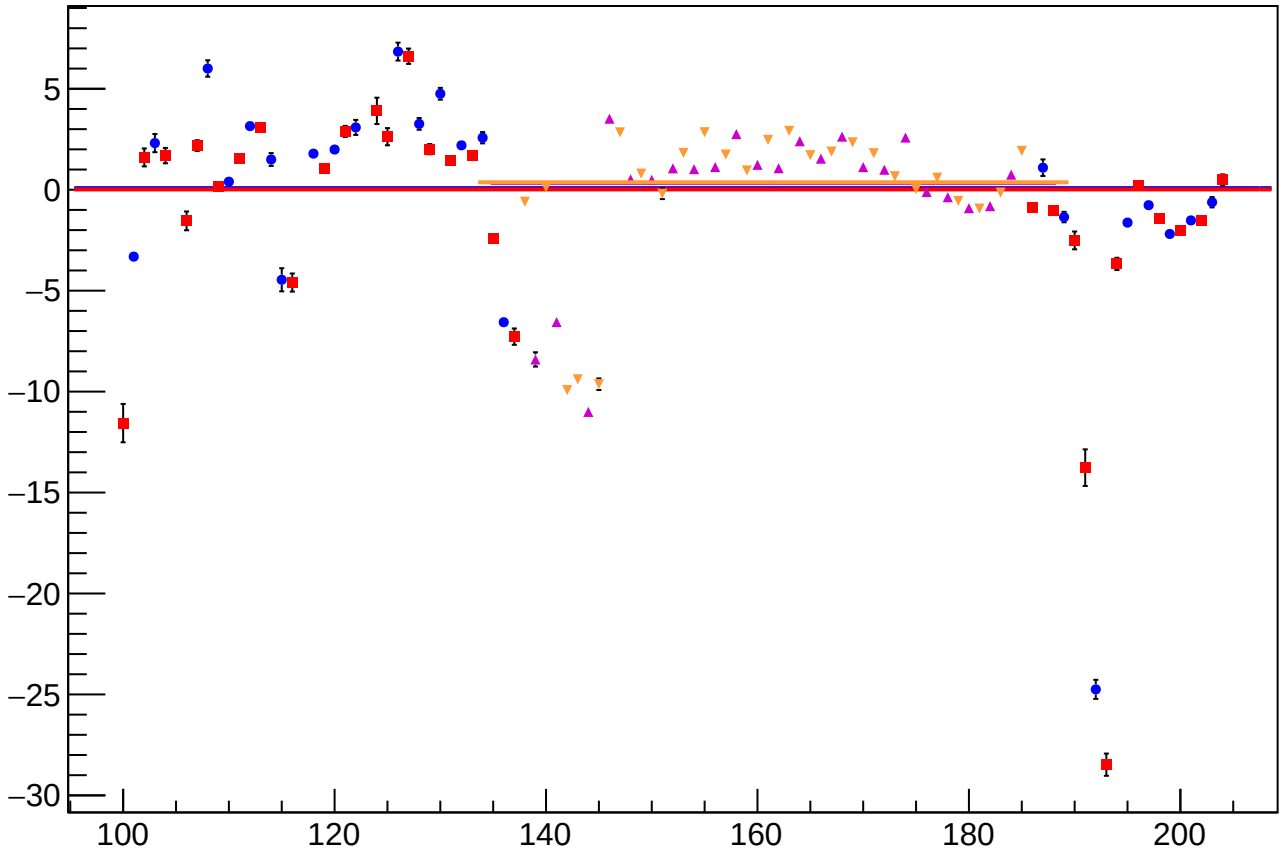
Left: 1.598+/-0.028 χ^2/NDF: 310354.3/47

Right: 0.376+/-0.028 χ^2/NDF: 238851.1/53

In: 0.488+/-0.030 χ^2/NDF:251088.4/46

Out: 1.405+/-0.027 χ^2/NDF:298528.2/54

All: 0.984+/-0.020 χ^2/NDF: 550137.1/101



Right In: 0.079+/-0.049 χ^2/NDF: 5939.9/23

Left Out: 0.368+/-0.033 χ^2/NDF:7068.0/24

Right Out: 0.015+/-0.046 χ^2/NDF: 5237.0/29

Left In: 0.337+/-0.031 χ^2/NDF:7094.3/22

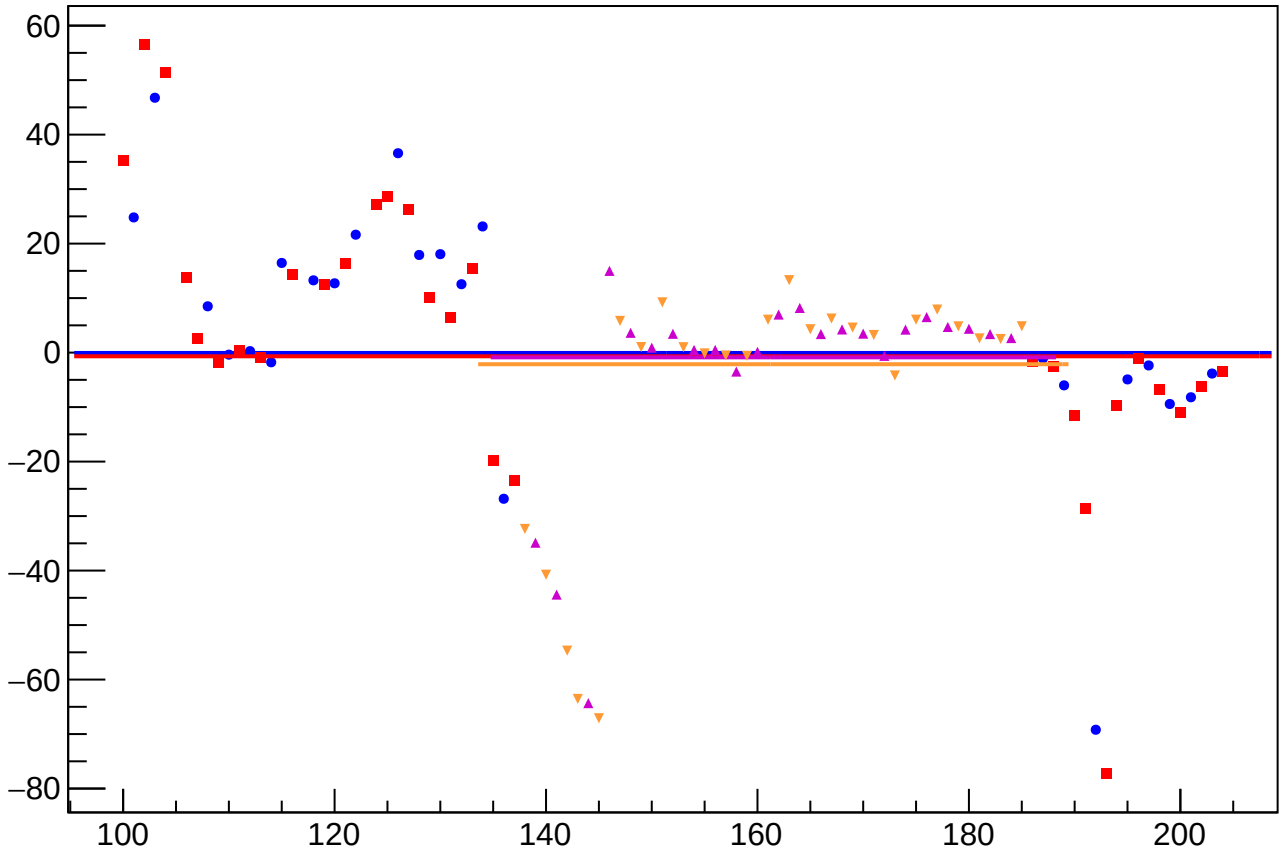
Left: 0.351+/-0.023 χ^2/NDF: 14162.7/47

Right: 0.045+/-0.033 χ^2/NDF: 11177.8/53

In: 0.262+/-0.027 χ^2/NDF:13053.6/46

Out: 0.247+/-0.027 χ^2/NDF:12344.2/54

All: 0.255+/-0.019 χ^2/NDF: 25398.0/101



Right In: -0.066+/-0.046 χ^2/NDF: 117392.8/23

Left Out: -2.133+/-0.040 χ^2/NDF:171466.8/24

Right Out: -0.678+/-0.039 χ^2/NDF: 118827.4/29

Left In: -0.871+/-0.039 χ^2/NDF:129263.4/22

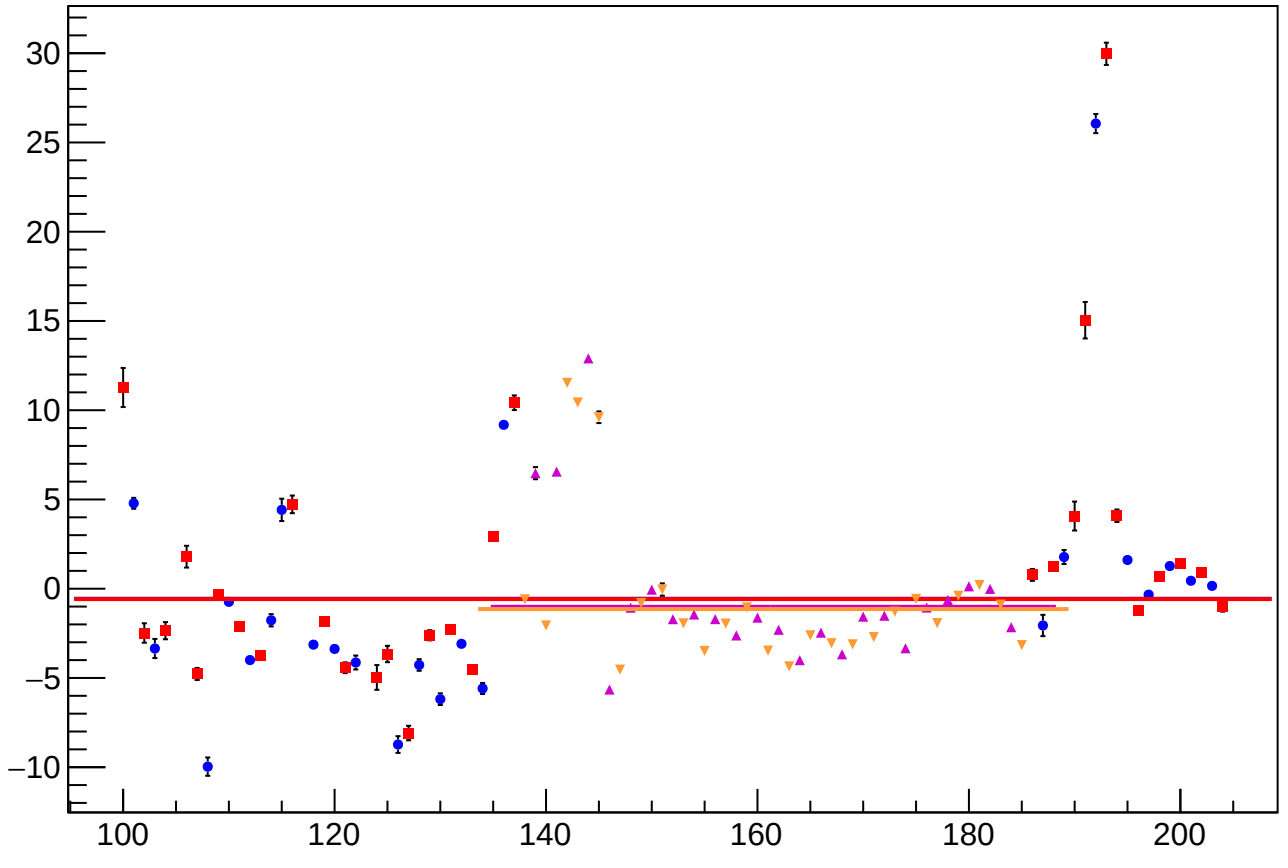
Left: -1.488+/-0.028 χ^2/NDF: 301231.6/47

Right: -0.418+/-0.030 χ^2/NDF: 236323.5/53

In: -0.528+/-0.030 χ^2/NDF:246834.5/46

Out: -1.386+/-0.028 χ^2/NDF:290964.1/54

All: -0.983+/-0.020 χ^2/NDF: 538236.6/101



Right In: -0.563+/-0.058 χ^2/NDF: 7416.5/23

Left Out: -1.140+/-0.036 χ^2/NDF:7022.9/24

Right Out: -0.581+/-0.053 χ^2/NDF: 5768.3/29

Left In: -1.013+/-0.035 χ^2/NDF:7027.2/22

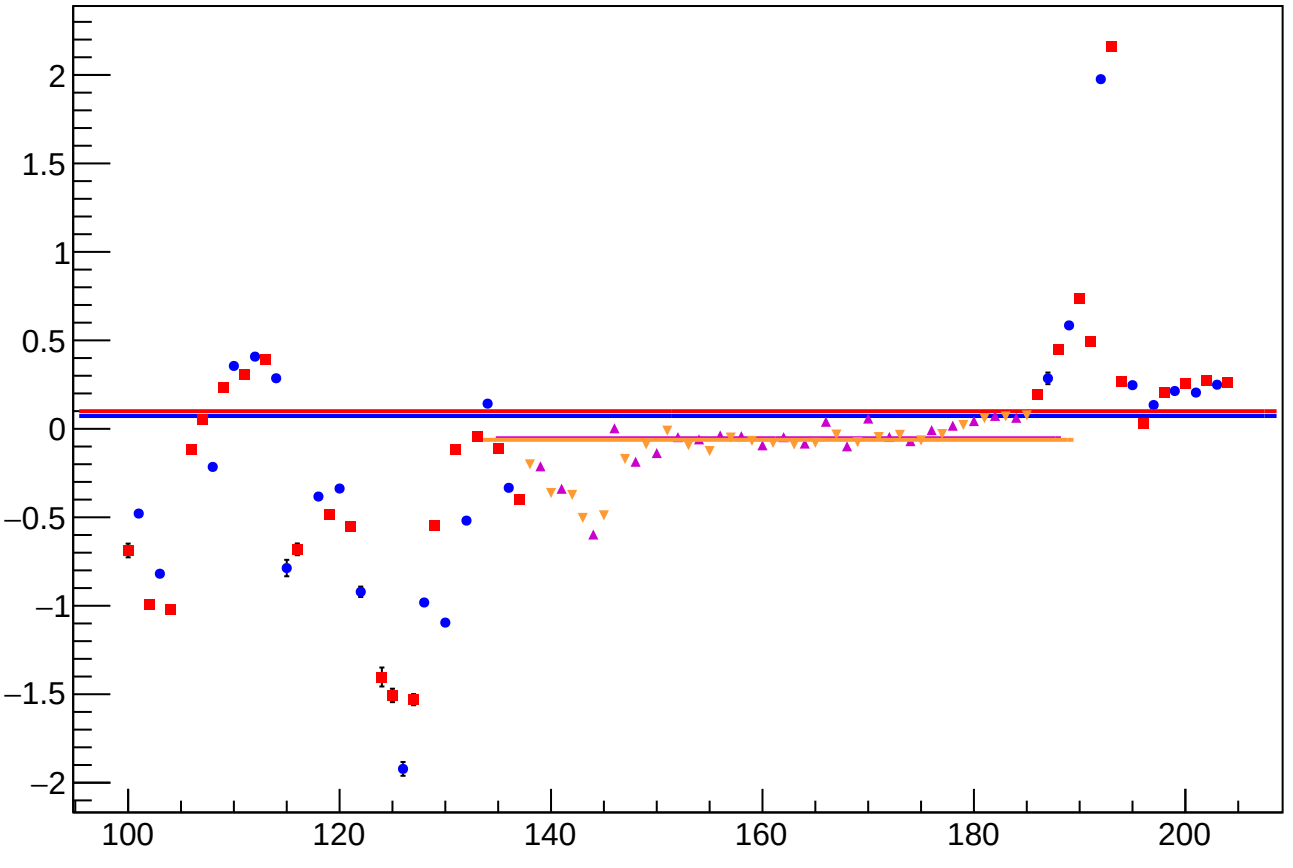
Left: -1.074+/-0.025 χ^2/NDF: 14056.4/47

Right: -0.573+/-0.039 χ^2/NDF: 13184.8/53

In: -0.893+/-0.030 χ^2/NDF:14488.4/46

Out: -0.962+/-0.030 χ^2/NDF:12866.3/54

All: -0.927+/-0.021 χ^2/NDF: 27357.4/101



Right In: 0.072+/-0.003 χ^2/NDF: 34189.1/23

Left Out: -0.062+/-0.002 χ^2/NDF:5736.1/24

Right Out: 0.100+/-0.002 χ^2/NDF: 34912.4/29

Left In: -0.053+/-0.001 χ^2/NDF:4993.7/22

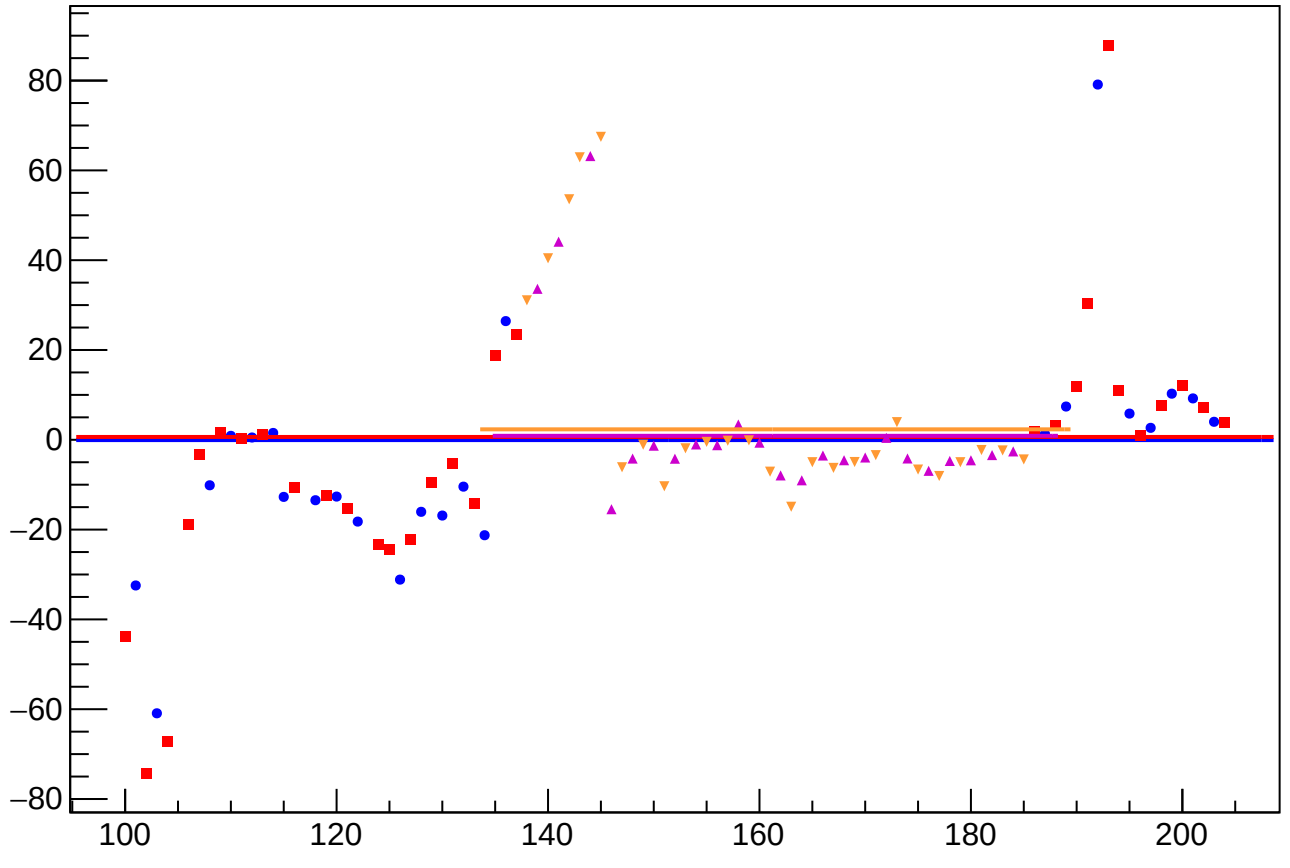
Left: -0.057+/-0.001 χ^2/NDF: 10746.2/47

Right: 0.087+/-0.002 χ^2/NDF: 69160.0/53

In: -0.022+/-0.001 χ^2/NDF:40959.0/46

Out: -0.014+/-0.001 χ^2/NDF:43726.7/54

All: -0.018+/-0.001 χ^2/NDF: 84702.1/101



Right In: -0.066+/-0.045 χ^2/NDF: 116406.7/23

Left Out: 2.329+/-0.041 χ^2/NDF:174647.6/24

Right Out: 0.630+/-0.037 χ^2/NDF: 118797.1/29

Left In: 0.887+/-0.041 χ^2/NDF:130417.3/22

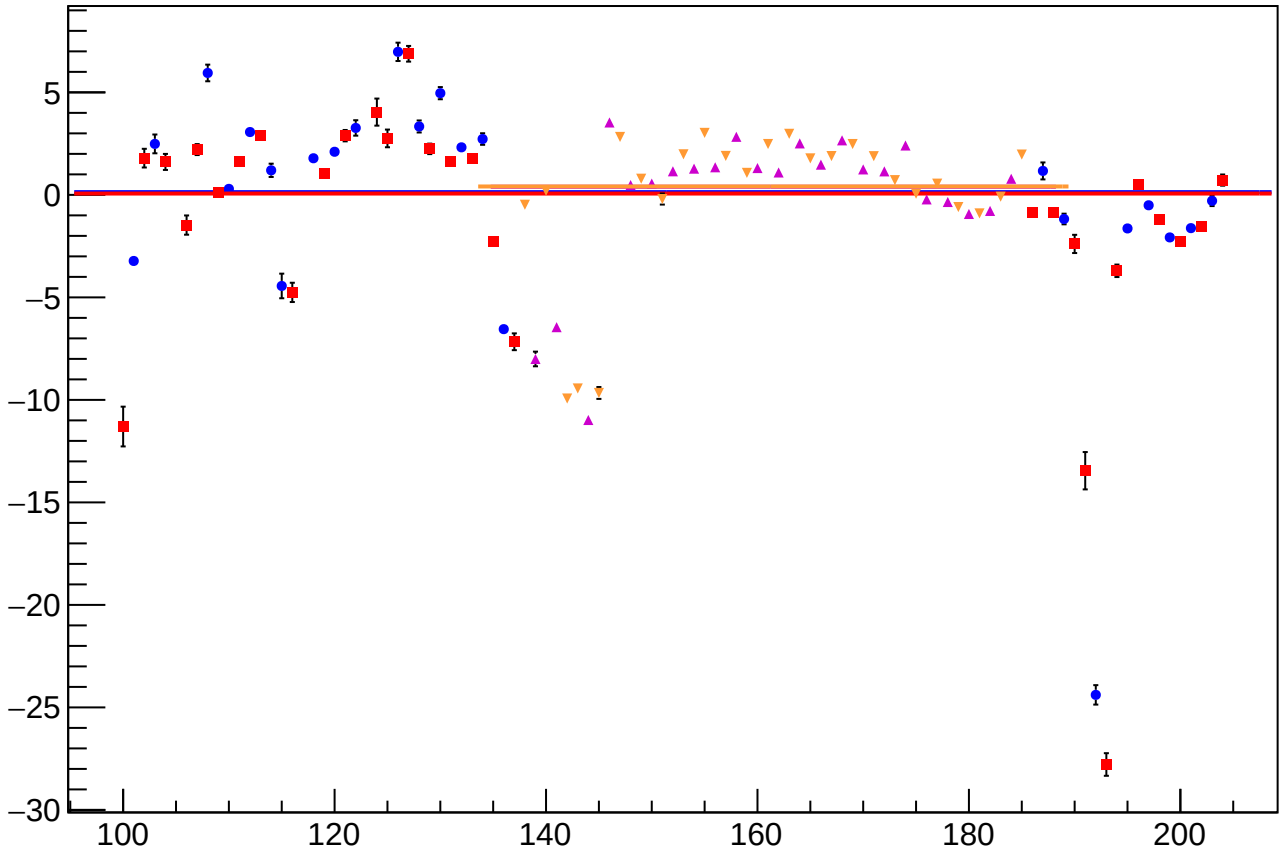
Left: 1.602+/-0.029 χ^2/NDF: 305685.7/47

Right: 0.342+/-0.029 χ^2/NDF: 235346.8/53

In: 0.453+/-0.030 χ^2/NDF:247072.9/46

Out: 1.401+/-0.028 χ^2/NDF:294378.0/54

All: 0.966+/-0.020 χ^2/NDF: 541989.6/101



Right In: 0.134+/-0.050 χ^2/NDF: 5779.9/23

Left Out: 0.410+/-0.033 χ^2/NDF:7047.9/24

Right Out: 0.065+/-0.046 χ^2/NDF: 5042.7/29

Left In: 0.396+/-0.032 χ^2/NDF:6932.0/22

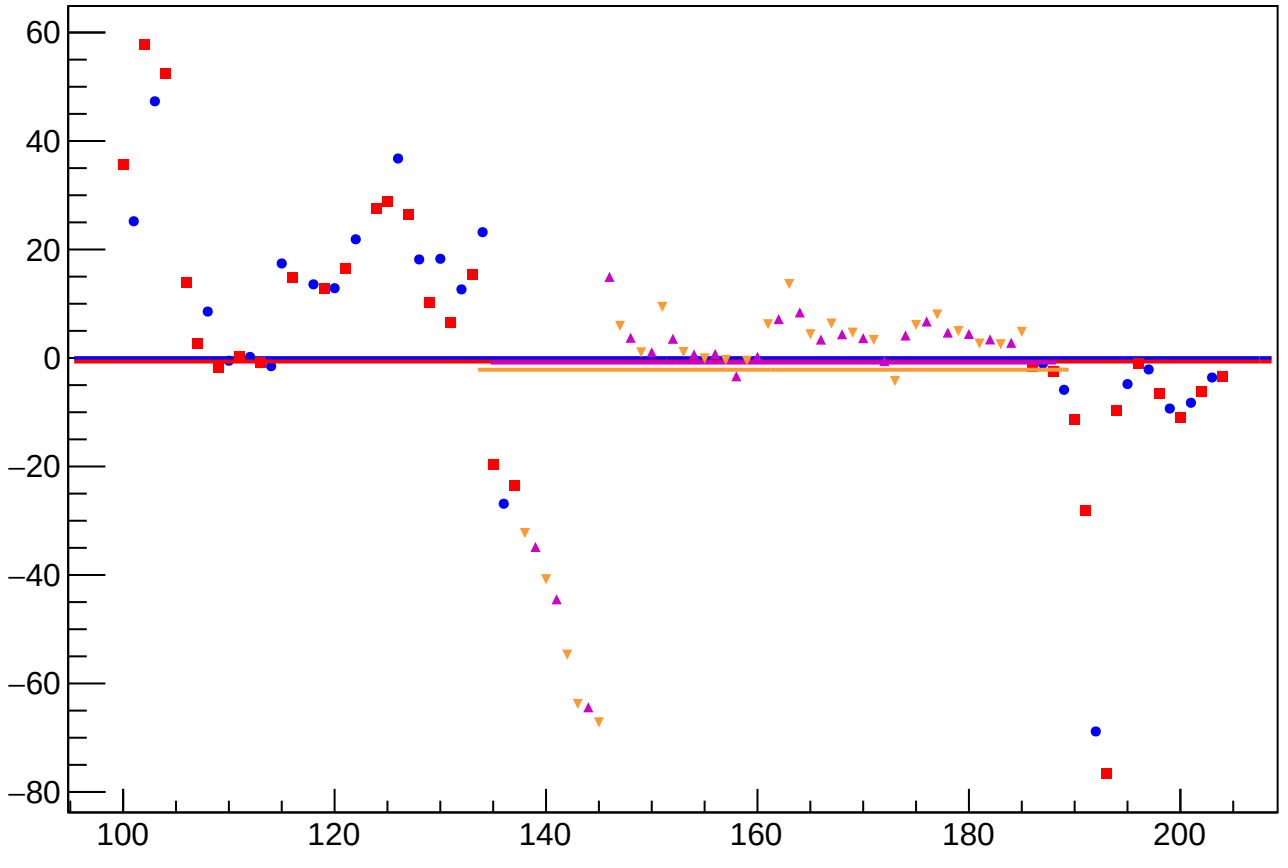
Left: 0.403+/-0.023 χ^2/NDF: 13980.0/47

Right: 0.097+/-0.034 χ^2/NDF: 10823.6/53

In: 0.320+/-0.027 χ^2/NDF:12731.4/46

Out: 0.291+/-0.027 χ^2/NDF:12127.1/54

All: 0.305+/-0.019 χ^2/NDF: 24859.1/101



Right In: -0.032+/-0.046 χ^2/NDF: 115569.5/23

Left Out: -2.163+/-0.041 χ^2/NDF:168990.2/24

Right Out: -0.653+/-0.040 χ^2/NDF: 117188.6/29

Left In: -0.843+/-0.040 χ^2/NDF:127135.3/22

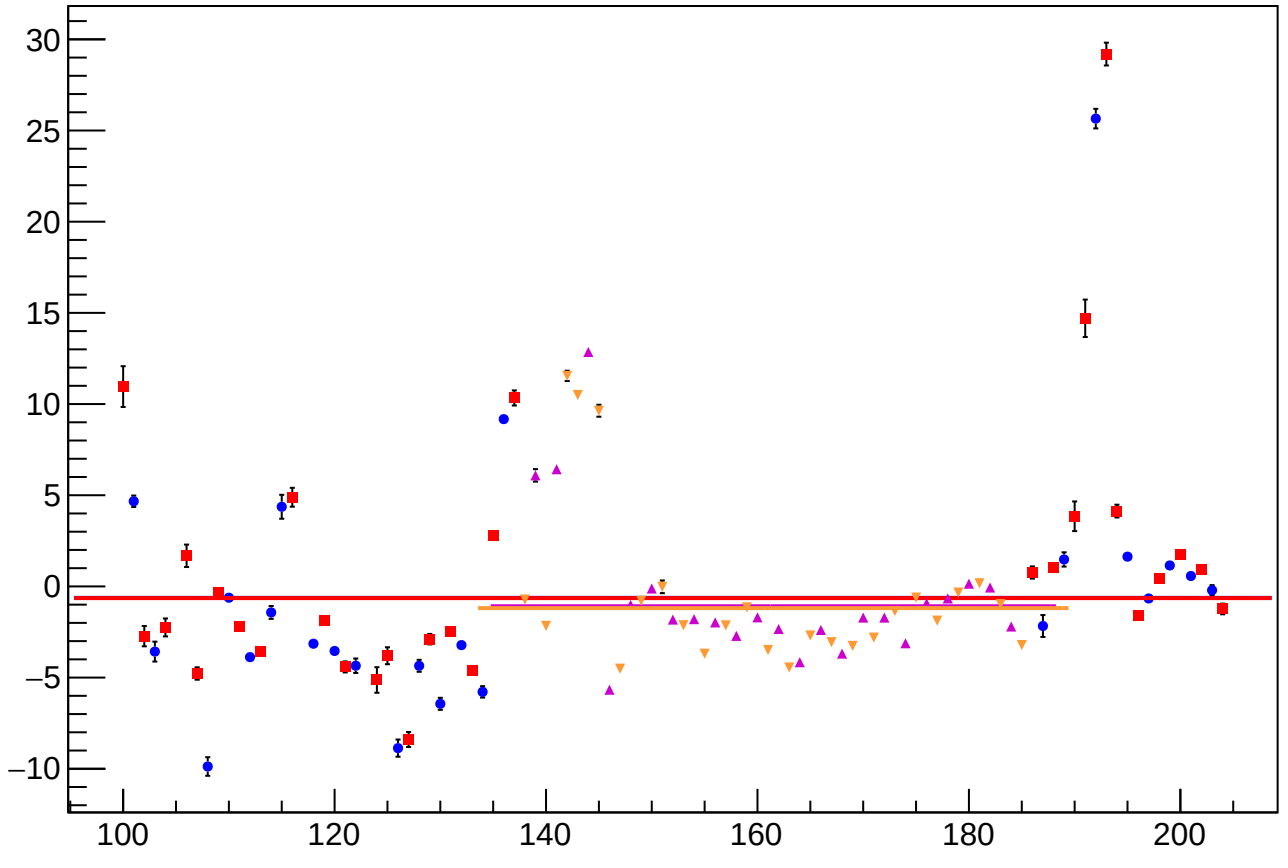
Left: -1.489+/-0.029 χ^2/NDF: 296654.1/47

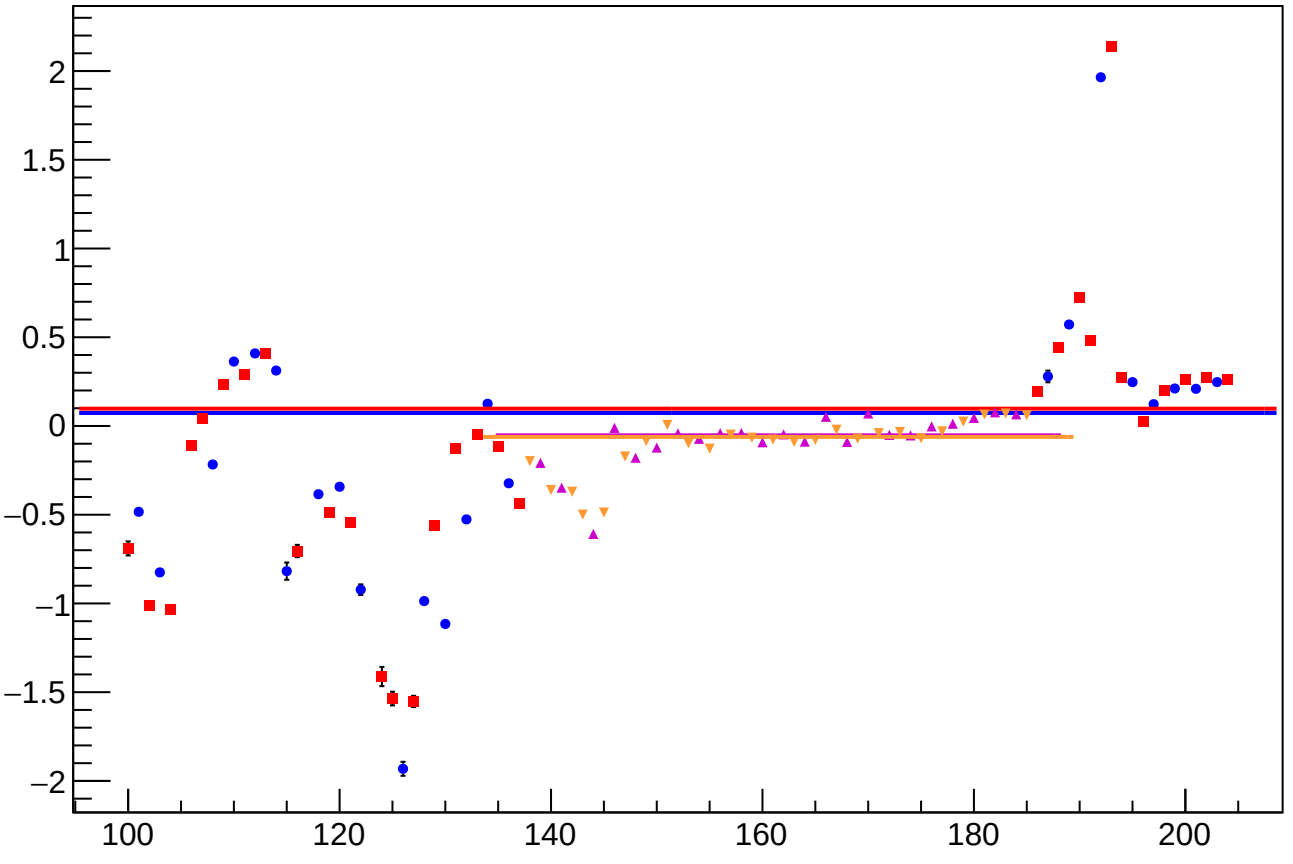
Right: -0.390+/-0.030 χ^2/NDF: 232862.2/53

In: -0.494+/-0.030 χ^2/NDF:242880.1/46

Out: -1.382+/-0.029 χ^2/NDF:286878.6/54

All: -0.965+/-0.021 χ^2/NDF: 530214.2/101


reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs Slug, Sign Corrected
30
25
20
15
10
5
0
−5
−10
100
120
140
160
180
200
Right In: -0.628+/-0.058 χ²/NDF: 7255.2/23
Left Out: -1.190+/-0.037 χ²/NDF:6995.9/24
Right Out: -0.641+/-0.054 χ²/NDF: 5579.5/29
Left In: -1.089+/-0.036 χ²/NDF:6840.8/22
Left: -1.138+/-0.026 χ²/NDF: 13840.6/47
Right: -0.635+/-0.040 χ²/NDF: 12834.8/53
In: -0.964+/-0.030 χ²/NDF:14141.4/46
Out: -1.015+/-0.031 χ²/NDF:12645.7/54
All: -0.990+/-0.022 χ²/NDF: 26788.5/101



Right In: 0.073+/-0.003 χ^2/NDF: 33468.6/23

Left Out: -0.062+/-0.002 χ^2/NDF:5563.5/24

Right Out: 0.098+/-0.002 χ^2/NDF: 34475.0/29

Left In: -0.053+/-0.002 χ^2/NDF:5036.0/22

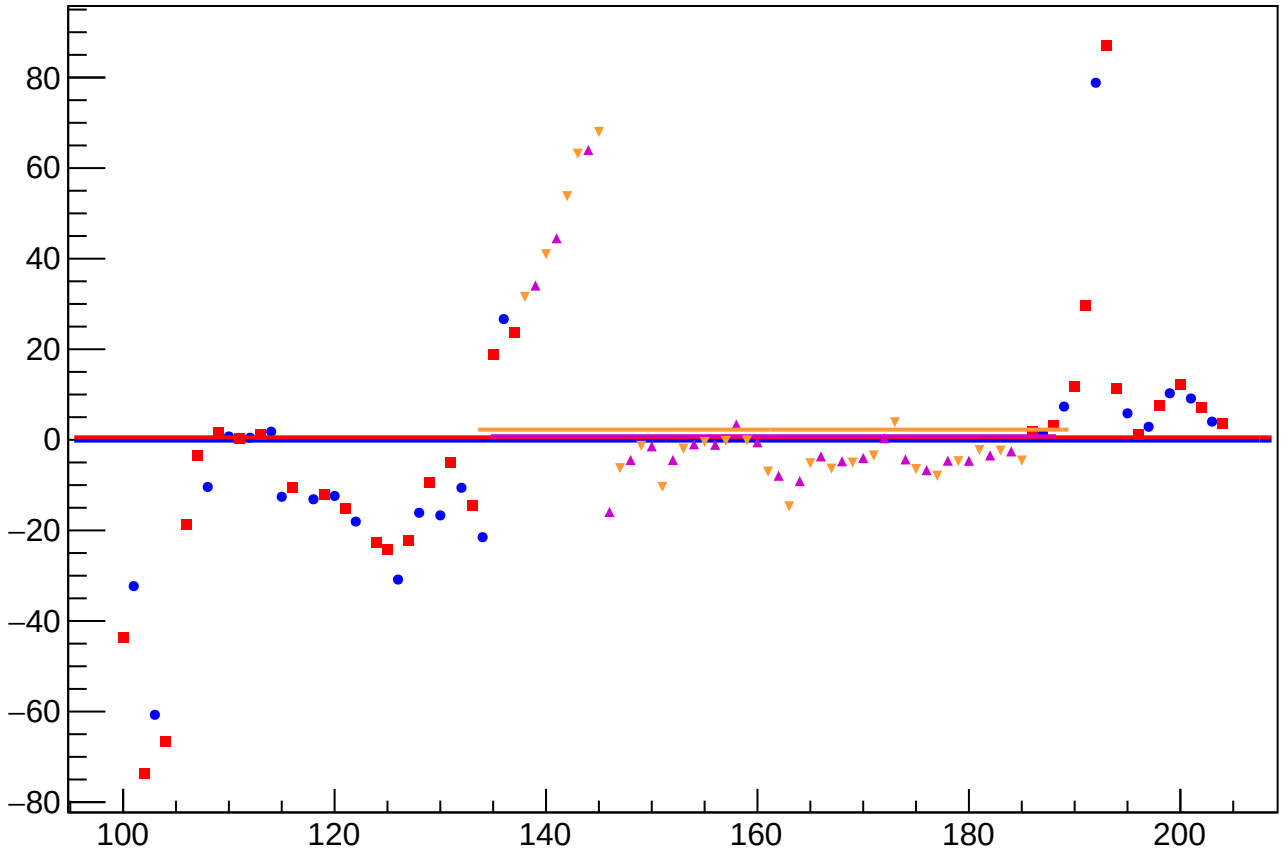
Left: -0.057+/-0.001 χ^2/NDF: 10615.2/47

Right: 0.086+/-0.002 χ^2/NDF: 67990.1/53

In: -0.021+/-0.001 χ^2/NDF:40237.9/46

Out: -0.014+/-0.001 χ^2/NDF:42944.5/54

All: -0.017+/-0.001 χ^2/NDF: 83195.3/101



Right In: -0.168+/-0.045 χ^2/NDF: 114678.7/23

Left Out: 2.255+/-0.041 χ^2/NDF:171671.4/24

Right Out: 0.549+/-0.038 χ^2/NDF: 116600.3/29

Left In: 0.794+/-0.041 χ^2/NDF:128828.3/22

Left: 1.518+/-0.029 χ^2/NDF: 301124.7/47

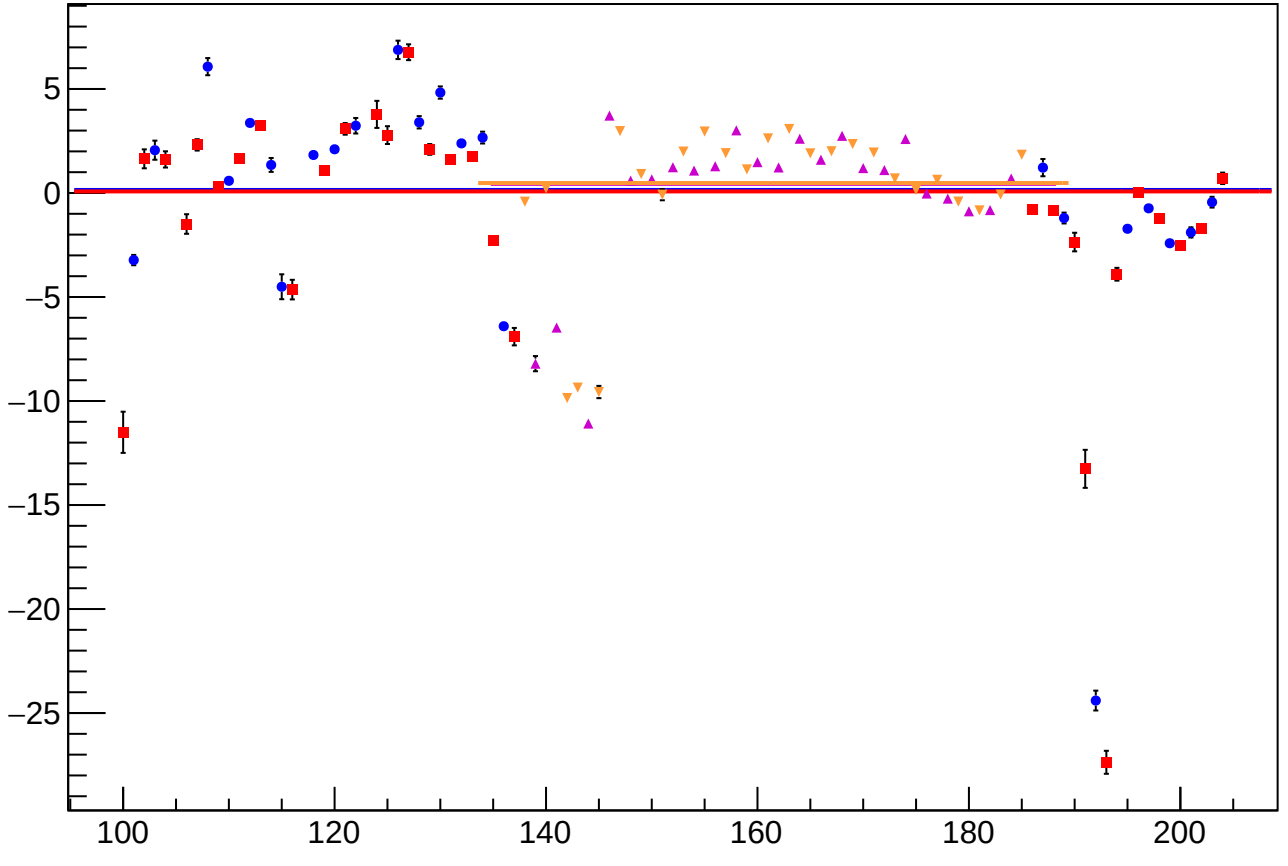
Right: 0.250+/-0.029 χ^2/NDF: 231425.2/53

In: 0.358+/-0.030 χ^2/NDF:243754.1/46

Out: 1.332+/-0.028 χ^2/NDF:289185.3/54

All: 0.884+/-0.021 χ^2/NDF: 533491.5/101

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.145+/-0.050 χ^2/NDF: 5771.3/23

Left Out: 0.479+/-0.034 χ^2/NDF:6808.1/24

Right Out: 0.076+/-0.047 χ^2/NDF: 4964.0/29

Left In: 0.440+/-0.032 χ^2/NDF:6893.7/22

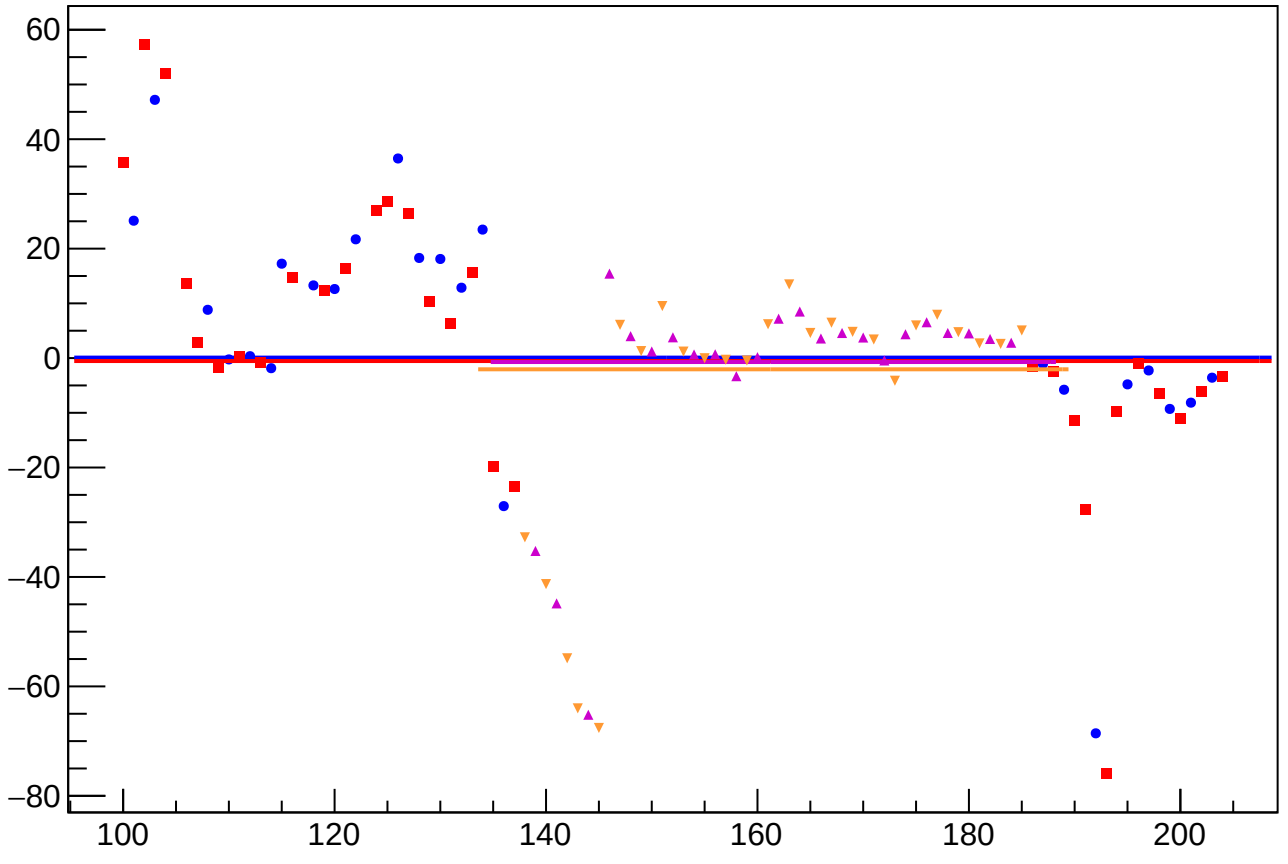
Left: 0.458+/-0.023 χ^2/NDF: 13702.5/47

Right: 0.108+/-0.034 χ^2/NDF: 10736.3/53

In: 0.354+/-0.027 χ^2/NDF:12689.1/46

Out: 0.341+/-0.027 χ^2/NDF:11820.9/54

All: 0.347+/-0.019 χ^2/NDF: 24510.1/101



Right In: 0.086+/-0.047 χ^2/NDF: 113833.0/23

Left Out: -2.051+/-0.041 χ^2/NDF:166009.6/24

Right Out: -0.540+/-0.040 χ^2/NDF: 115020.9/29

Left In: -0.720+/-0.041 χ^2/NDF:125531.3/22

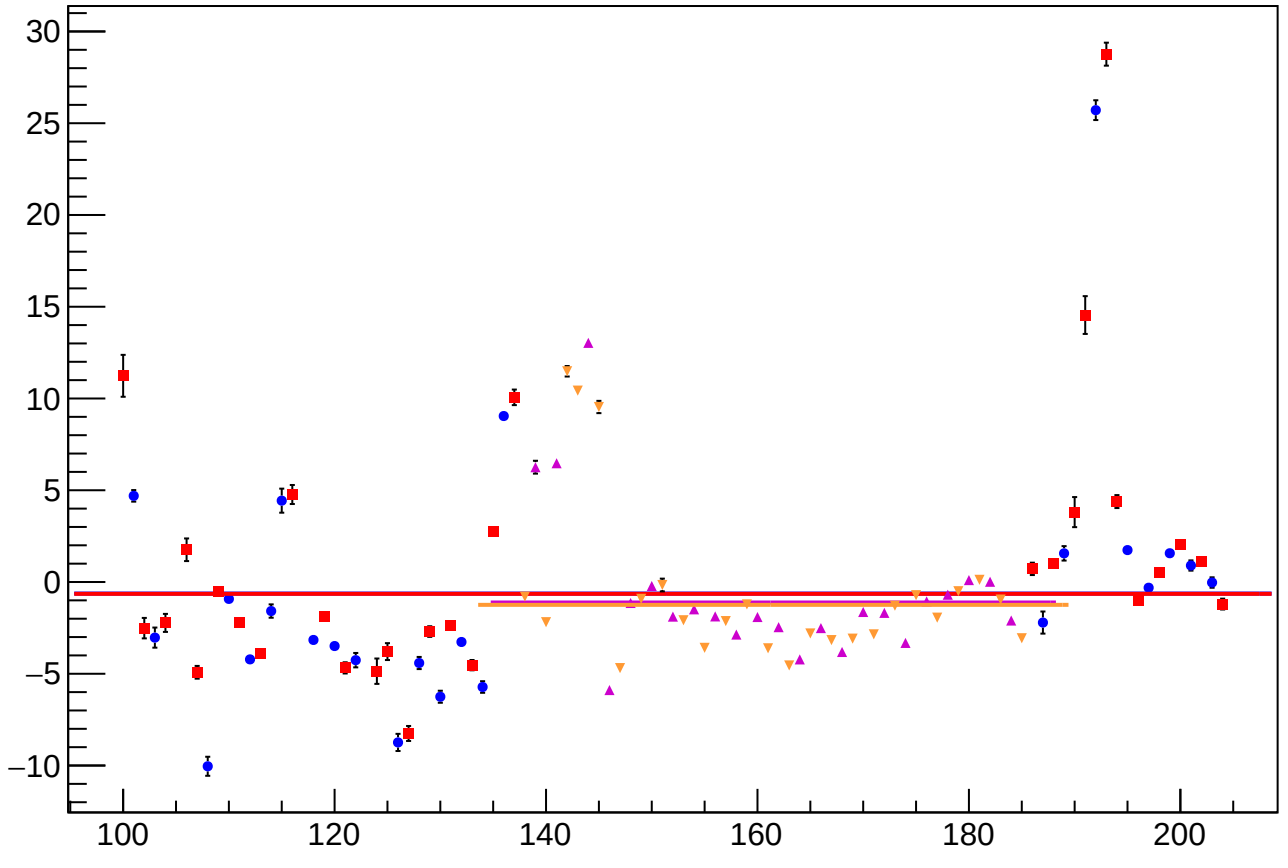
Left: -1.371+/-0.029 χ^2/NDF: 292067.4/47

Right: -0.274+/-0.031 χ^2/NDF: 228956.7/53

In: -0.374+/-0.031 χ^2/NDF:239533.6/46

Out: -1.274+/-0.029 χ^2/NDF:281713.1/54

All: -0.851+/-0.021 χ^2/NDF: 521703.1/101



Right In: -0.629+/-0.059 χ^2/NDF: 7153.8/23

Left Out: -1.244+/-0.037 χ^2/NDF:6768.7/24

Right Out: -0.644+/-0.055 χ^2/NDF: 5453.8/29

Left In: -1.117+/-0.036 χ^2/NDF:6840.3/22

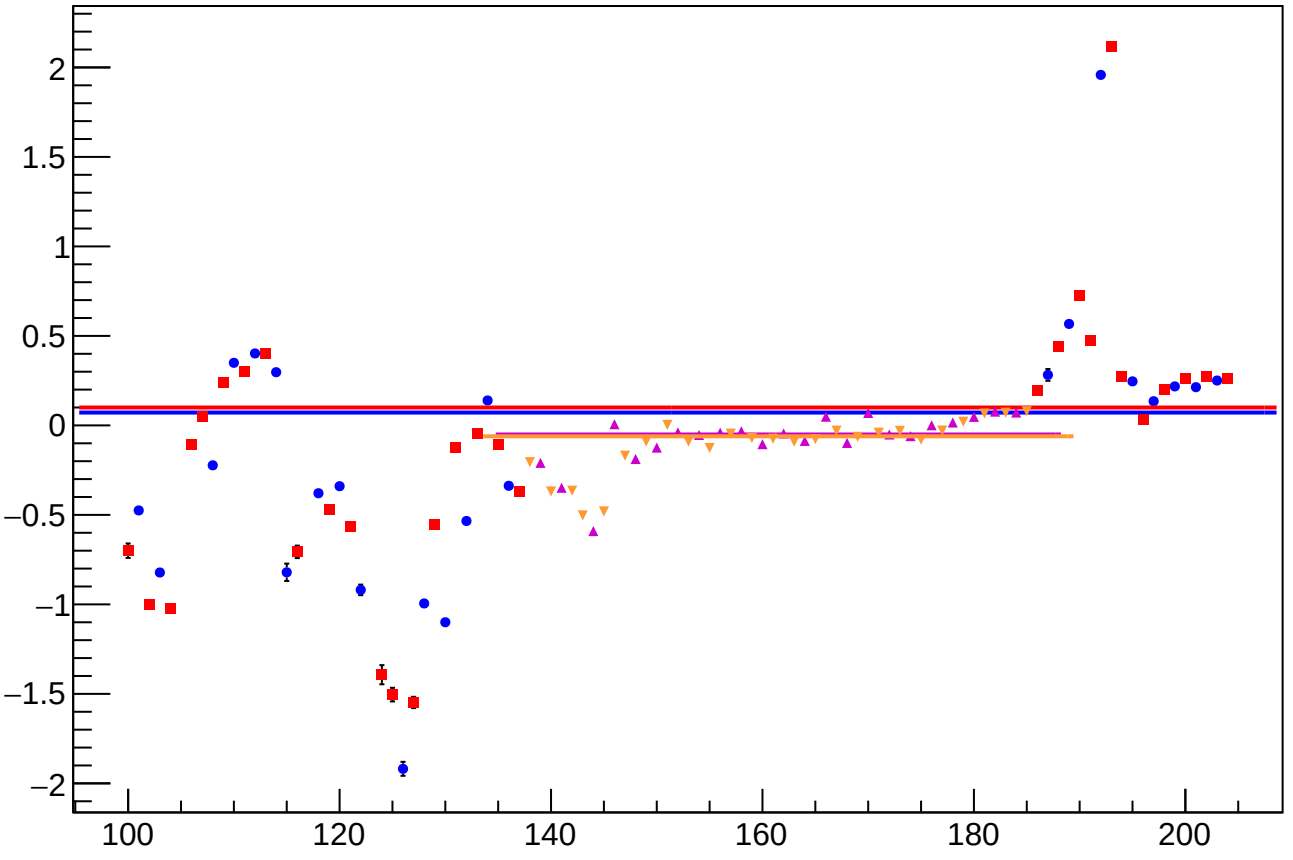
Left: -1.178+/-0.026 χ^2/NDF: 13615.0/47

Right: -0.637+/-0.040 χ^2/NDF: 12607.6/53

In: -0.985+/-0.031 χ^2/NDF:14043.8/46

Out: -1.054+/-0.031 χ^2/NDF:12304.4/54

All: -1.019+/-0.022 χ^2/NDF: 26350.7/101



Right In: 0.072+/-0.003 χ^2/NDF: 33126.6/23

Left Out: -0.061+/-0.002 χ^2/NDF:5479.8/24

Right Out: 0.100+/-0.003 χ^2/NDF: 33548.4/29

Left In: -0.051+/-0.002 χ^2/NDF:4878.7/22

Left: -0.056+/-0.001 χ^2/NDF: 10379.1/47

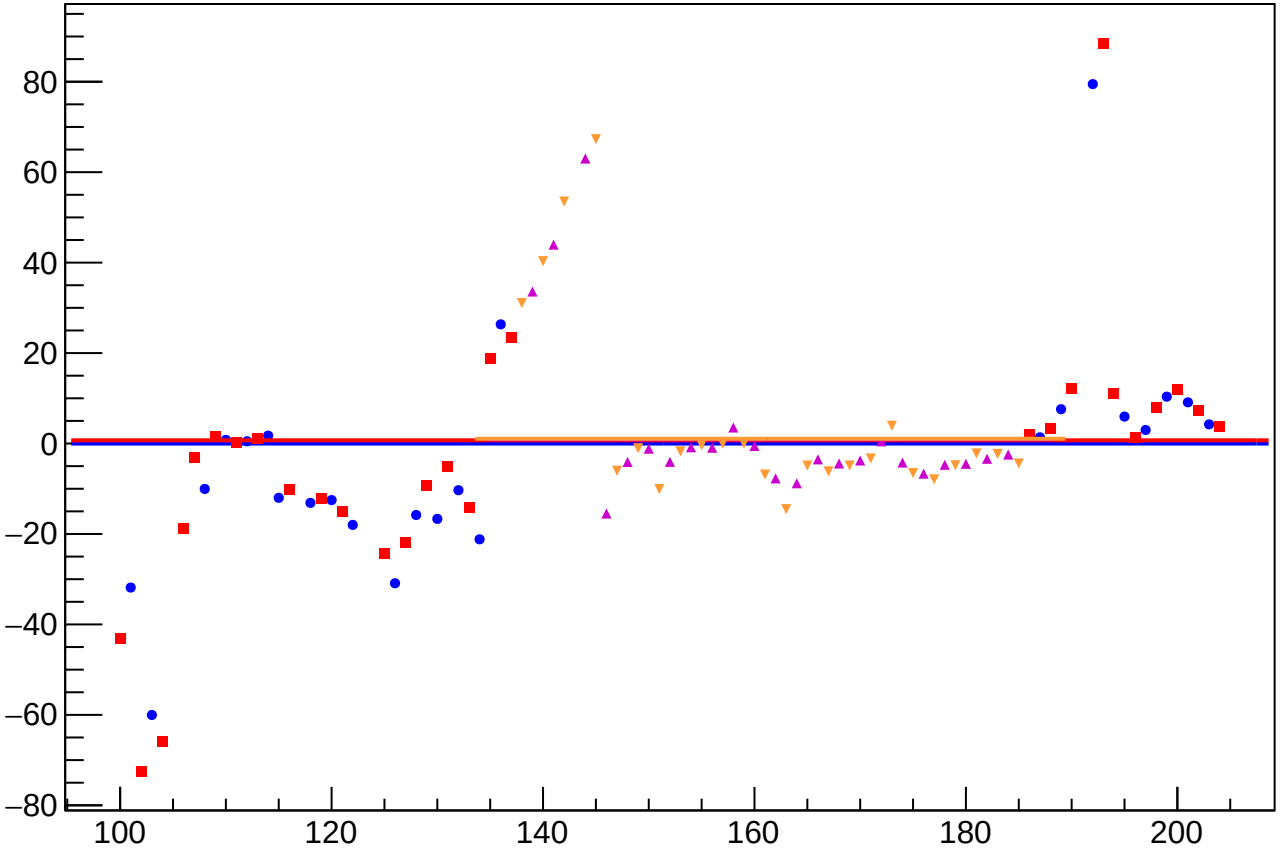
Right: 0.087+/-0.002 χ^2/NDF: 66735.0/53

In: -0.020+/-0.001 χ^2/NDF:39609.1/46

Out: -0.013+/-0.001 χ^2/NDF:41917.7/54

All: -0.016+/-0.001 χ^2/NDF: 81538.1/101

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -0.006+/-0.044 χ^2/NDF: 118471.4/23

Left Out: 1.053+/-0.041 χ^2/NDF:131031.0/23

Right Out: 0.710+/-0.037 χ^2/NDF: 117749.9/27

Left In: 0.913+/-0.040 χ^2/NDF:132807.5/22

Left: 0.982+/-0.028 χ^2/NDF: 263844.6/46

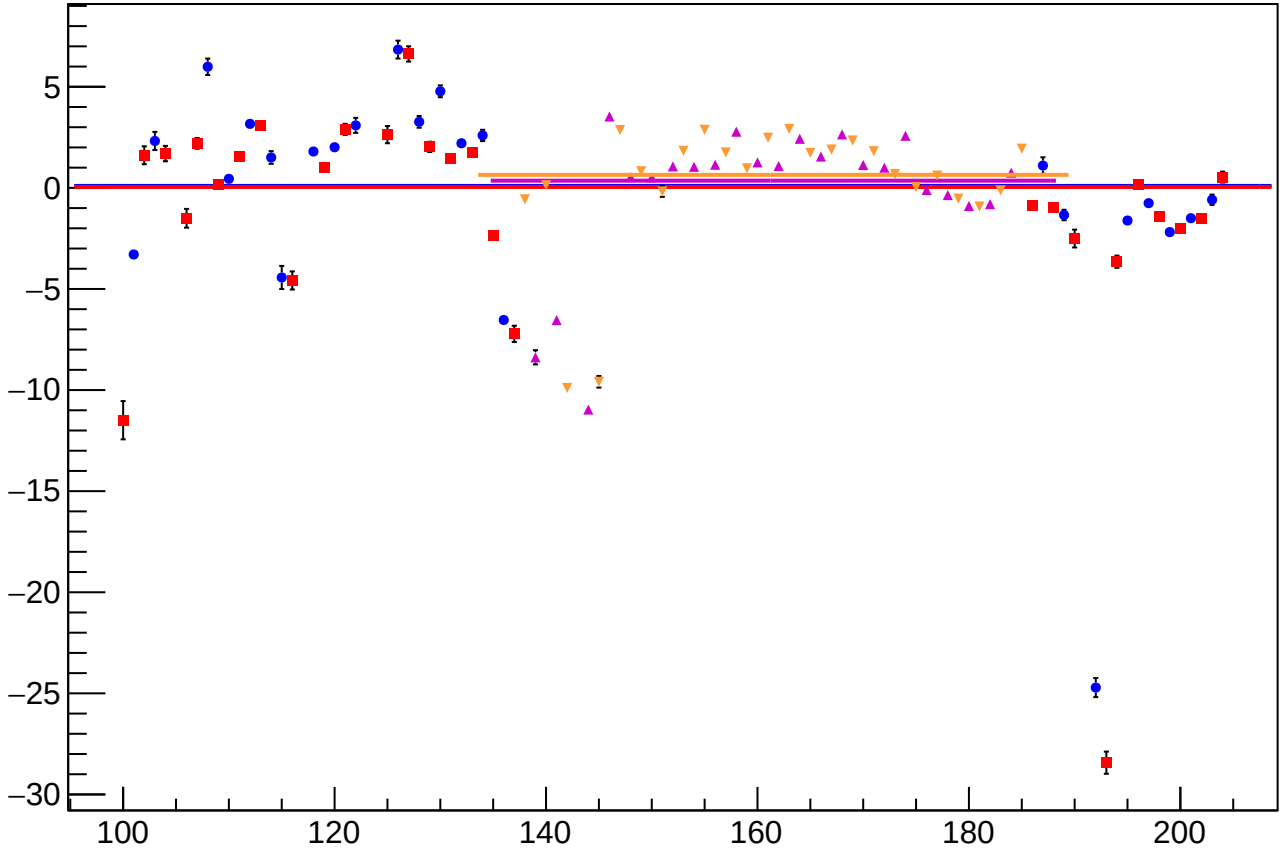
Right: 0.414+/-0.028 χ^2/NDF: 236378.1/51

In: 0.496+/-0.029 χ^2/NDF:251519.9/46

Out: 0.865+/-0.027 χ^2/NDF:248820.1/51

All: 0.695+/-0.020 χ^2/NDF: 500424.5/98

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.095+/-0.049 χ^2/NDF: 5956.2/23

Left Out: 0.644+/-0.033 χ^2/NDF:4711.1/23

Right Out: 0.046+/-0.046 χ^2/NDF: 4981.2/27

Left In: 0.355+/-0.031 χ^2/NDF:7117.0/22

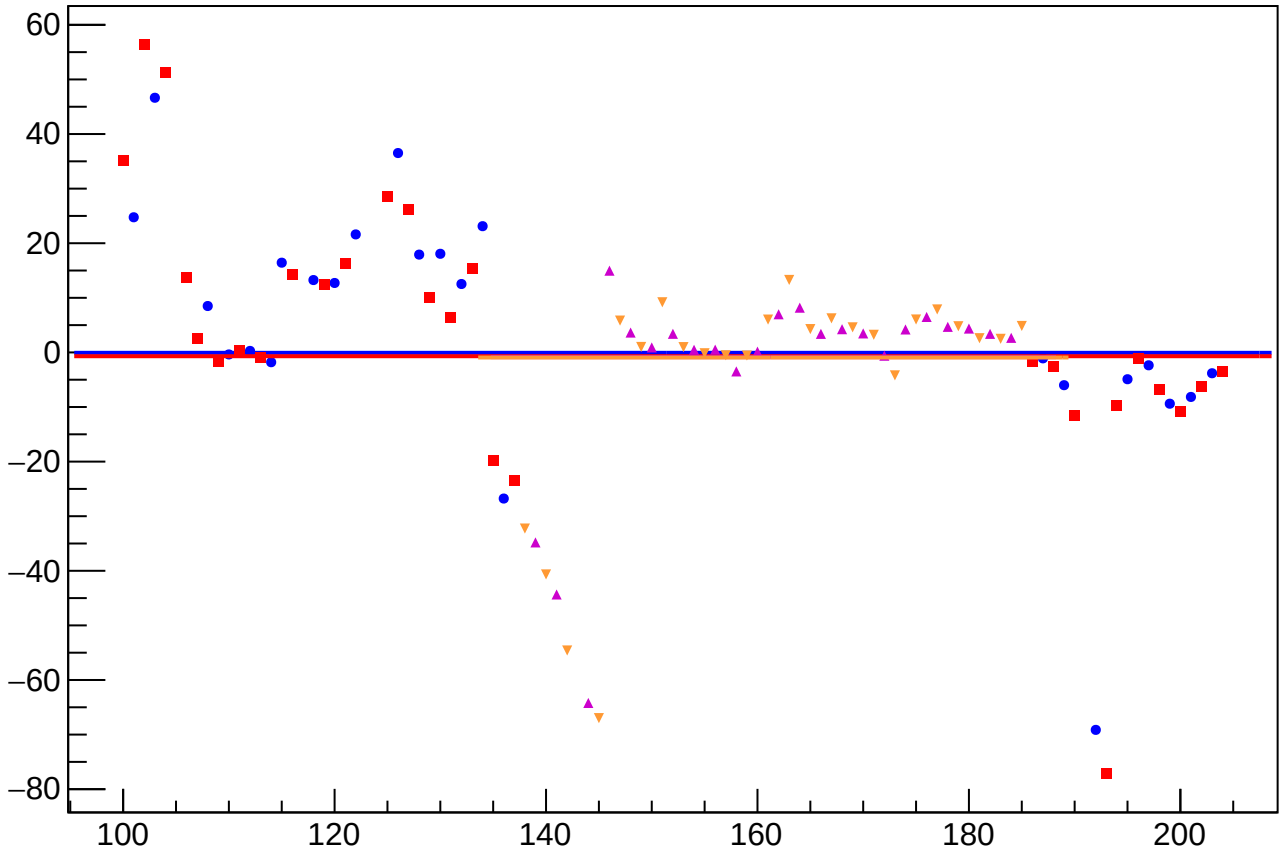
Left: 0.491+/-0.023 χ^2/NDF: 11868.0/46

Right: 0.069+/-0.033 χ^2/NDF: 10938.0/51

In: 0.280+/-0.026 χ^2/NDF:13093.2/46

Out: 0.436+/-0.027 χ^2/NDF:9804.7/51

All: 0.357+/-0.019 χ^2/NDF: 22915.2/98



Right In: -0.074+/-0.045 χ^2/NDF: 117592.3/23

Left Out: -0.929+/-0.041 χ^2/NDF:126378.7/23

Right Out: -0.697+/-0.039 χ^2/NDF: 116229.2/27

Left In: -0.860+/-0.039 χ^2/NDF:129485.0/22

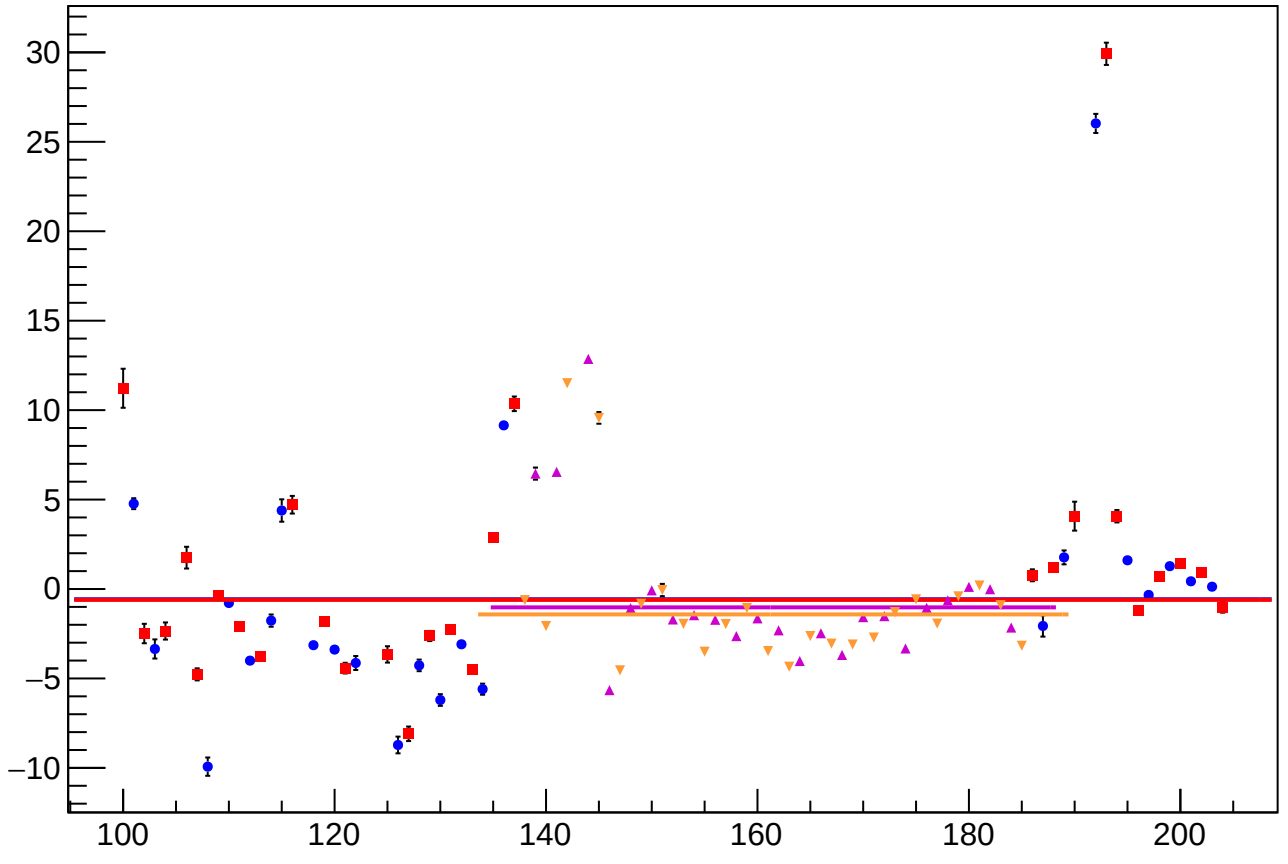
Left: -0.894+/-0.028 χ^2/NDF: 255865.2/46

Right: -0.432+/-0.030 χ^2/NDF: 233929.2/51

In: -0.525+/-0.030 χ^2/NDF:247248.6/46

Out: -0.809+/-0.028 χ^2/NDF:242624.8/51

All: -0.675+/-0.020 χ^2/NDF: 489921.5/98



Right In: -0.574+/-0.057 χ^2/NDF: 7434.0/23

Left Out: -1.420+/-0.037 χ^2/NDF:4642.0/23

Right Out: -0.606+/-0.053 χ^2/NDF: 5503.1/27

Left In: -1.026+/-0.035 χ^2/NDF:7047.1/22

Left: -1.212+/-0.025 χ^2/NDF: 11750.0/46

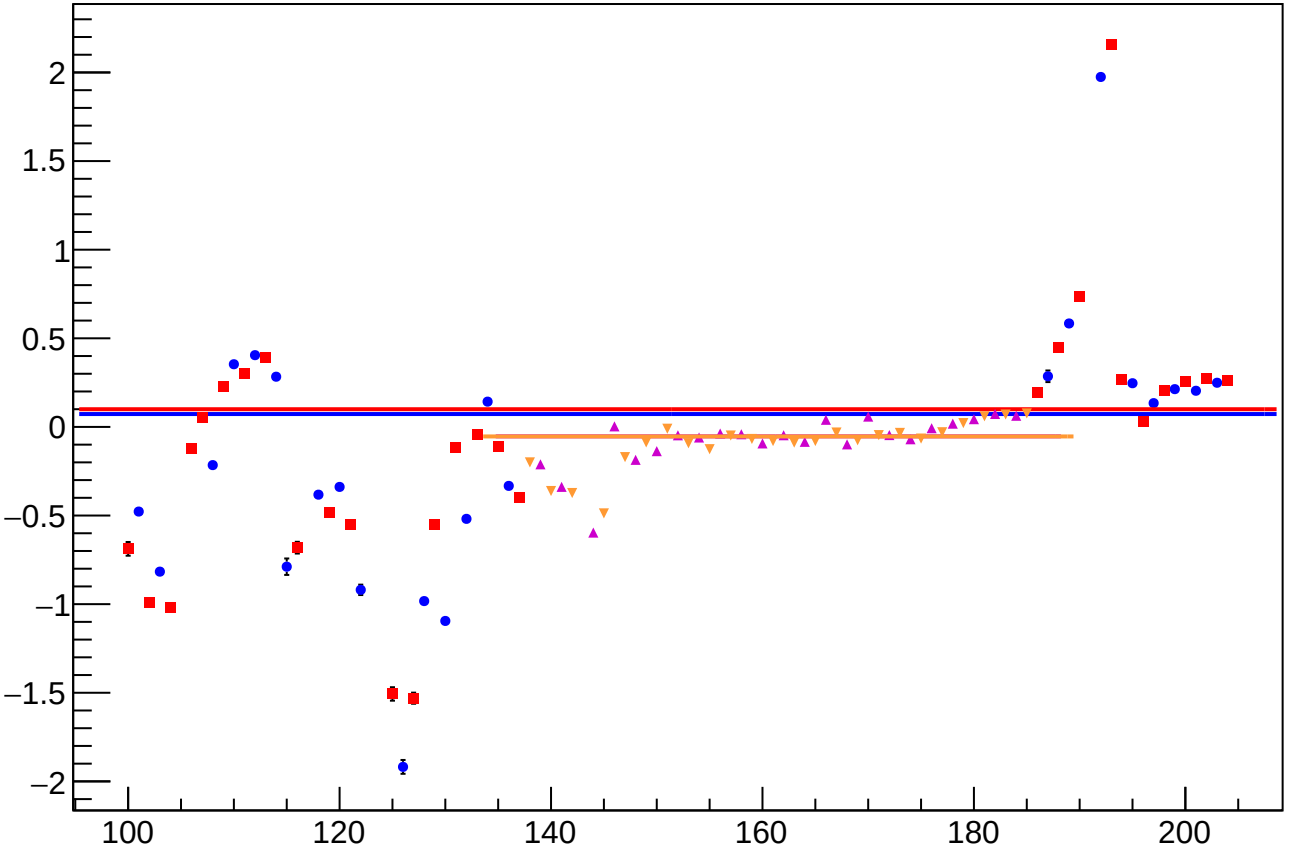
Right: -0.591+/-0.039 χ^2/NDF: 12937.2/51

In: -0.905+/-0.030 χ^2/NDF:14526.5/46

Out: -1.159+/-0.030 χ^2/NDF:10303.7/51

All: -1.030+/-0.021 χ^2/NDF: 24866.1/98

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.073+/-0.003 χ^2/NDF: 34250.9/23

Left Out: -0.054+/-0.002 χ^2/NDF:4340.0/23

Right Out: 0.100+/-0.002 χ^2/NDF: 34002.6/27

Left In: -0.053+/-0.001 χ^2/NDF:5009.7/22

Left: -0.053+/-0.001 χ^2/NDF: 9349.8/46

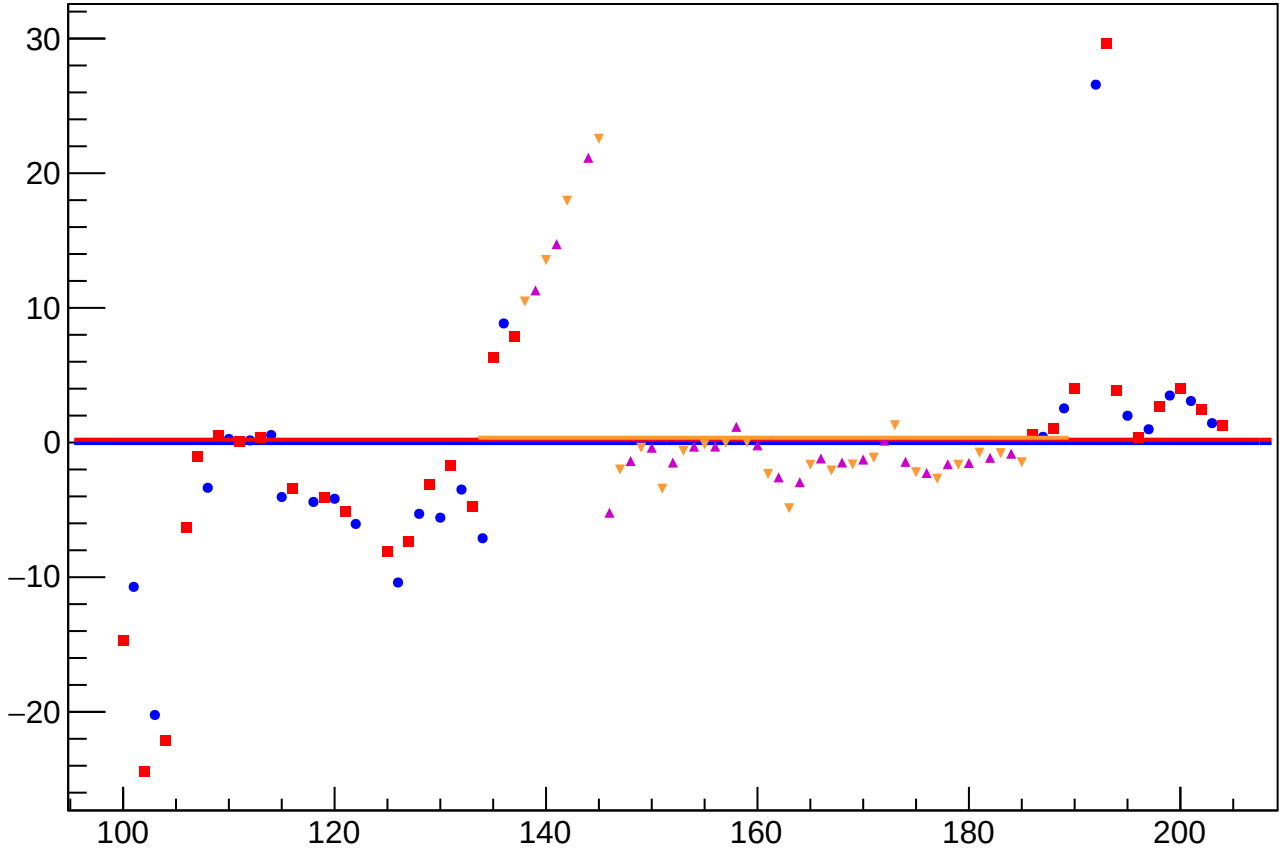
Right: 0.087+/-0.002 χ^2/NDF: 68312.3/51

In: -0.022+/-0.001 χ^2/NDF:41055.2/46

Out: -0.008+/-0.001 χ^2/NDF:41107.7/51

All: -0.015+/-0.001 χ^2/NDF: 82216.7/98

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -0.040+/-0.015 χ^2/NDF: 116405.3/23

Left Out: 0.359+/-0.014 χ^2/NDF:128829.7/23

Right Out: 0.213+/-0.013 χ^2/NDF: 115936.4/27

Left In: 0.317+/-0.014 χ^2/NDF:130224.2/22

Left: 0.338+/-0.010 χ^2/NDF: 259058.4/46

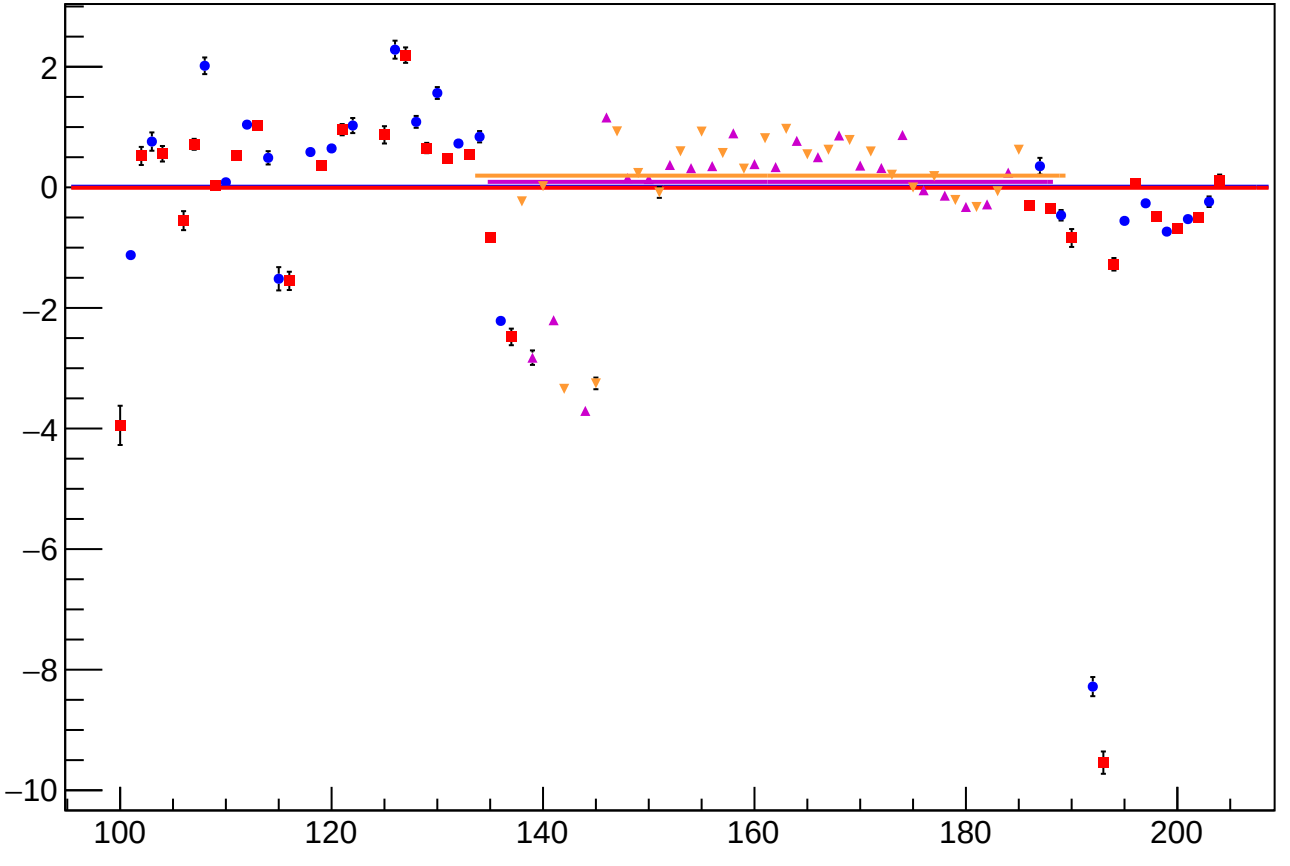
Right: 0.108+/-0.010 χ^2/NDF: 232506.8/51

In: 0.156+/-0.010 χ^2/NDF:246939.3/46

Out: 0.279+/-0.009 χ^2/NDF:244826.4/51

All: 0.222+/-0.007 χ^2/NDF: 491845.9/98

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.011+/-0.017 χ^2/NDF: 5827.9/23

Left Out: 0.194+/-0.011 χ^2/NDF:4645.0/23

Right Out: -0.007+/-0.016 χ^2/NDF: 4886.5/27

Left In: 0.091+/-0.011 χ^2/NDF:6936.4/22

Left: 0.140+/-0.008 χ^2/NDF: 11625.1/46

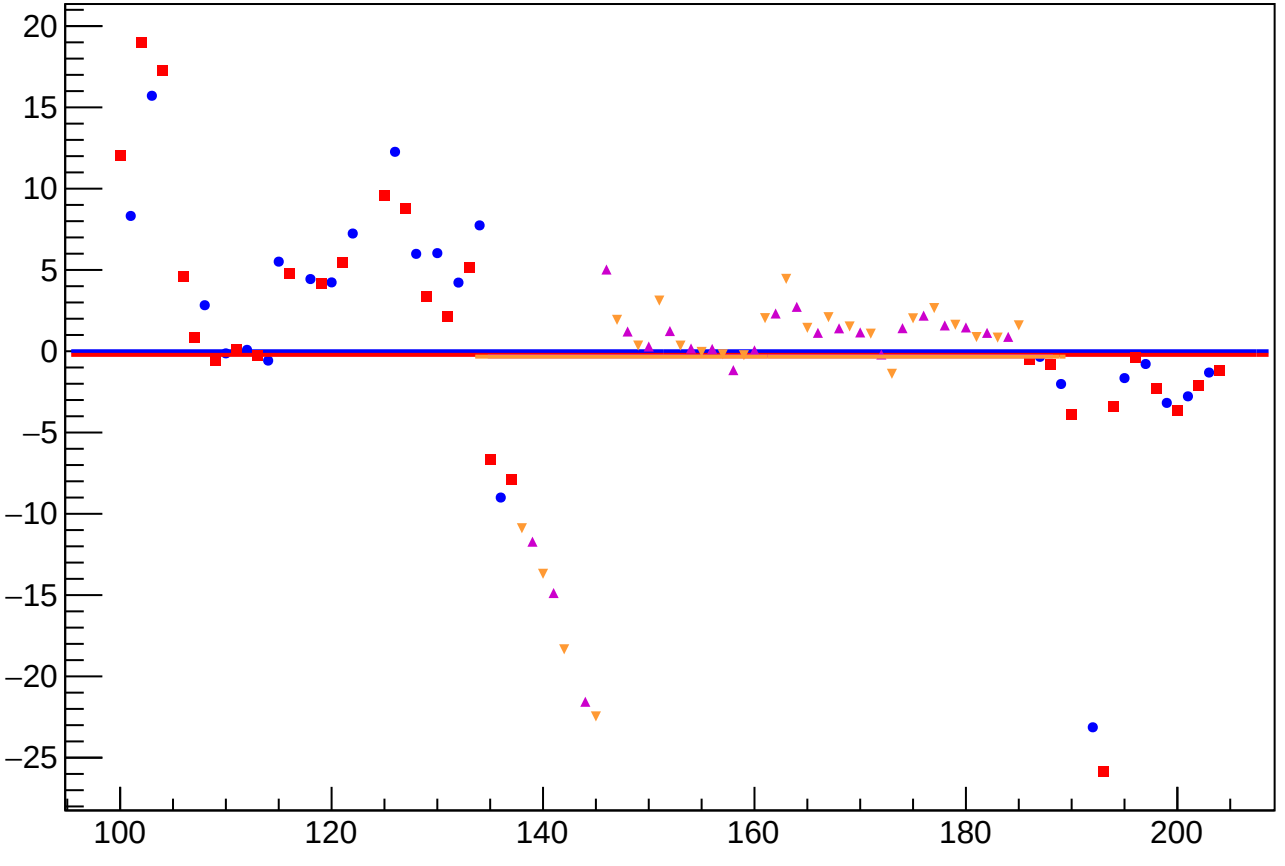
Right: 0.001+/-0.011 χ^2/NDF: 10715.0/51

In: 0.068+/-0.009 χ^2/NDF:12780.5/46

Out: 0.125+/-0.009 χ^2/NDF:9639.9/51

All: 0.096+/-0.006 χ^2/NDF: 22440.2/98

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -0.001+/-0.016 χ^2/NDF: 115560.7/23

Left Out: -0.332+/-0.014 χ^2/NDF:124233.4/23

Right Out: -0.222+/-0.013 χ^2/NDF: 114466.1/27

Left In: -0.314+/-0.013 χ^2/NDF:126999.2/22

Left: -0.323+/-0.010 χ^2/NDF: 251233.5/46

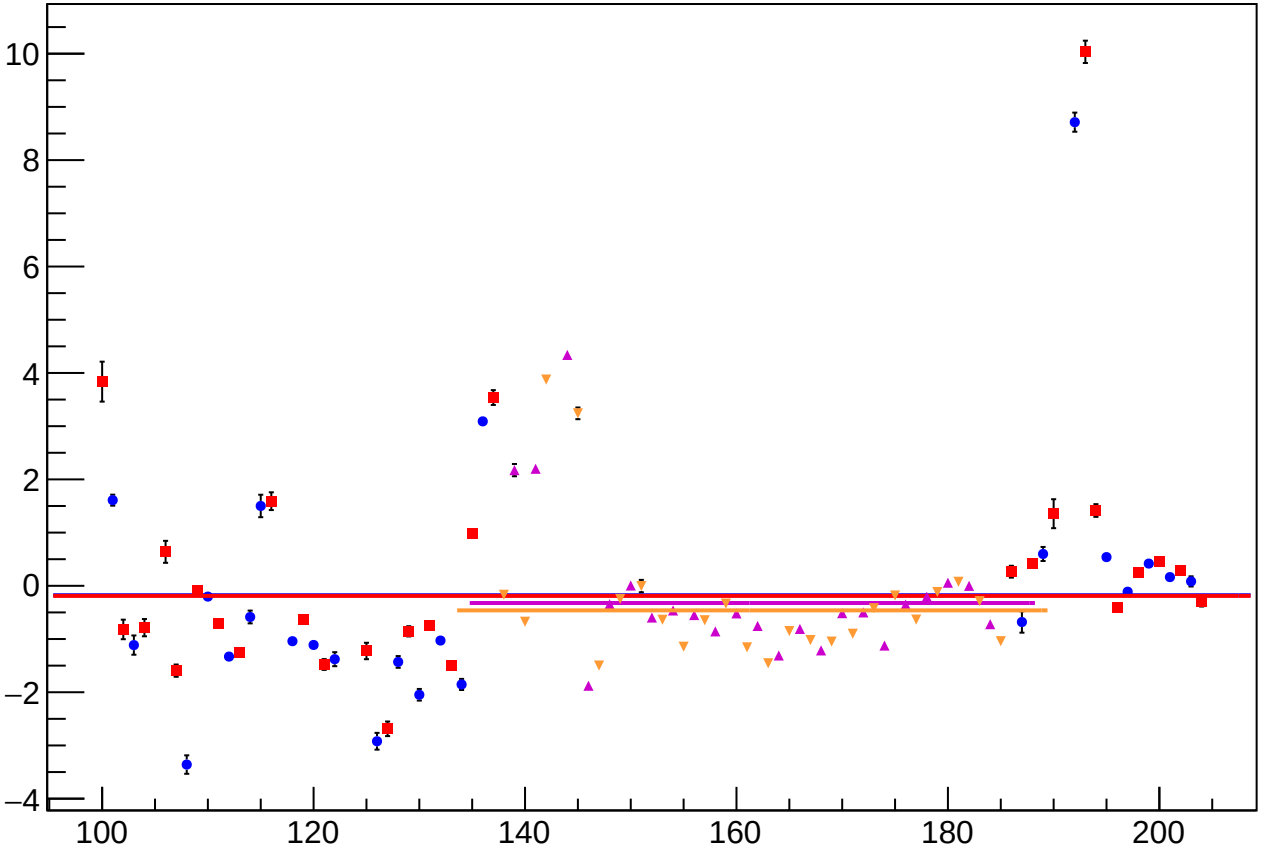
Right: -0.128+/-0.010 χ^2/NDF: 230142.3/51

In: -0.181+/-0.010 χ^2/NDF:242789.9/46

Out: -0.276+/-0.010 χ^2/NDF:238732.0/51

All: -0.231+/-0.007 χ^2/NDF: 481567.7/98

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.177+/-0.020 χ^2/NDF: 7277.8/23

Left Out: -0.462+/-0.013 χ^2/NDF:4580.0/23

Right Out: -0.189+/-0.018 χ^2/NDF: 5407.0/27

Left In: -0.323+/-0.012 χ^2/NDF:6881.8/22

Left: -0.389+/-0.009 χ^2/NDF: 11526.1/46

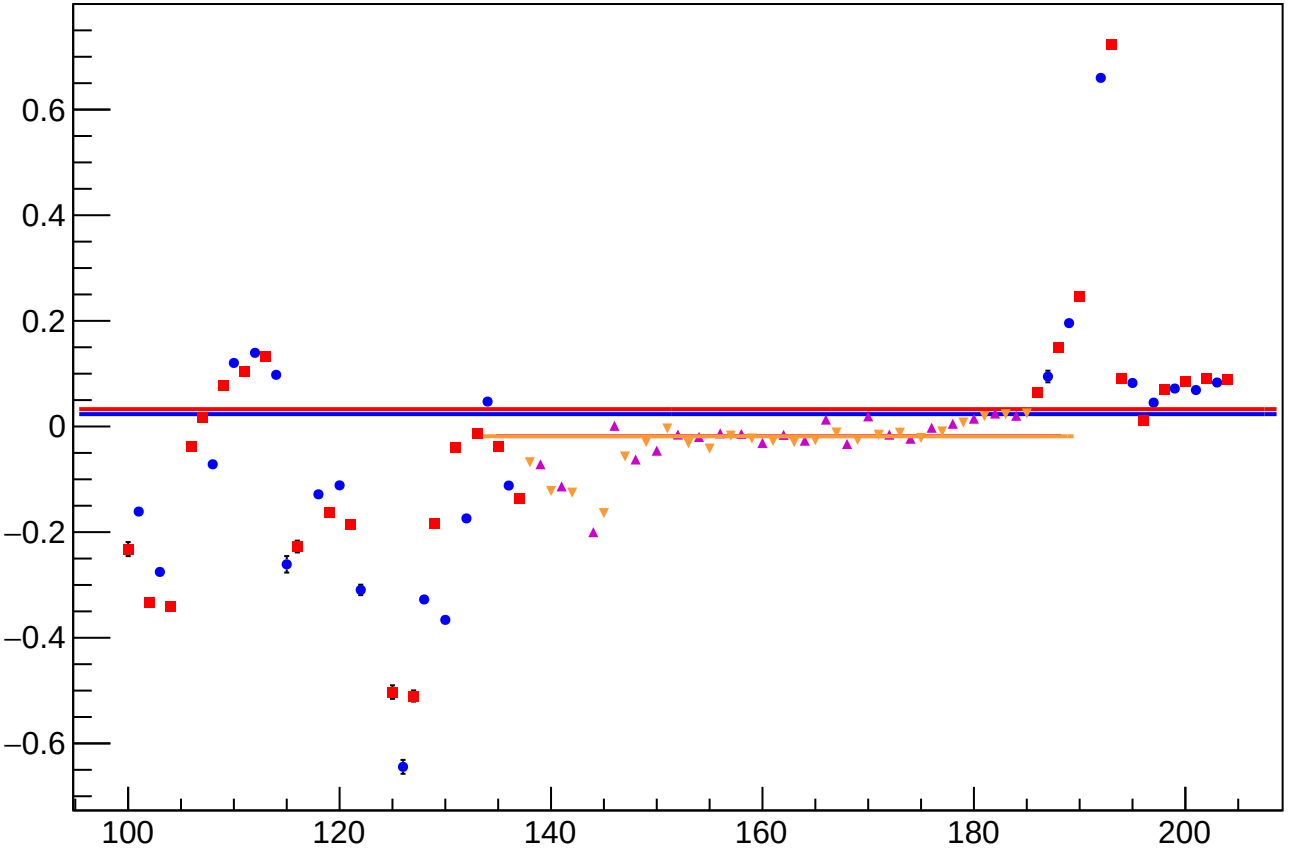
Right: -0.184+/-0.013 χ^2/NDF: 12685.0/51

In: -0.284+/-0.010 χ^2/NDF:14199.8/46

Out: -0.375+/-0.010 χ^2/NDF:10137.9/51

All: -0.329+/-0.007 χ^2/NDF: 24376.8/98

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.023+/-0.001 χ^2/NDF: 33665.0/23

Left Out: -0.019+/-0.001 χ^2/NDF:4227.5/23

Right Out: 0.033+/-0.001 χ^2/NDF: 33384.4/27

Left In: -0.018+/-0.001 χ^2/NDF:4879.3/22

Left: -0.018+/-0.000 χ^2/NDF: 9107.2/46

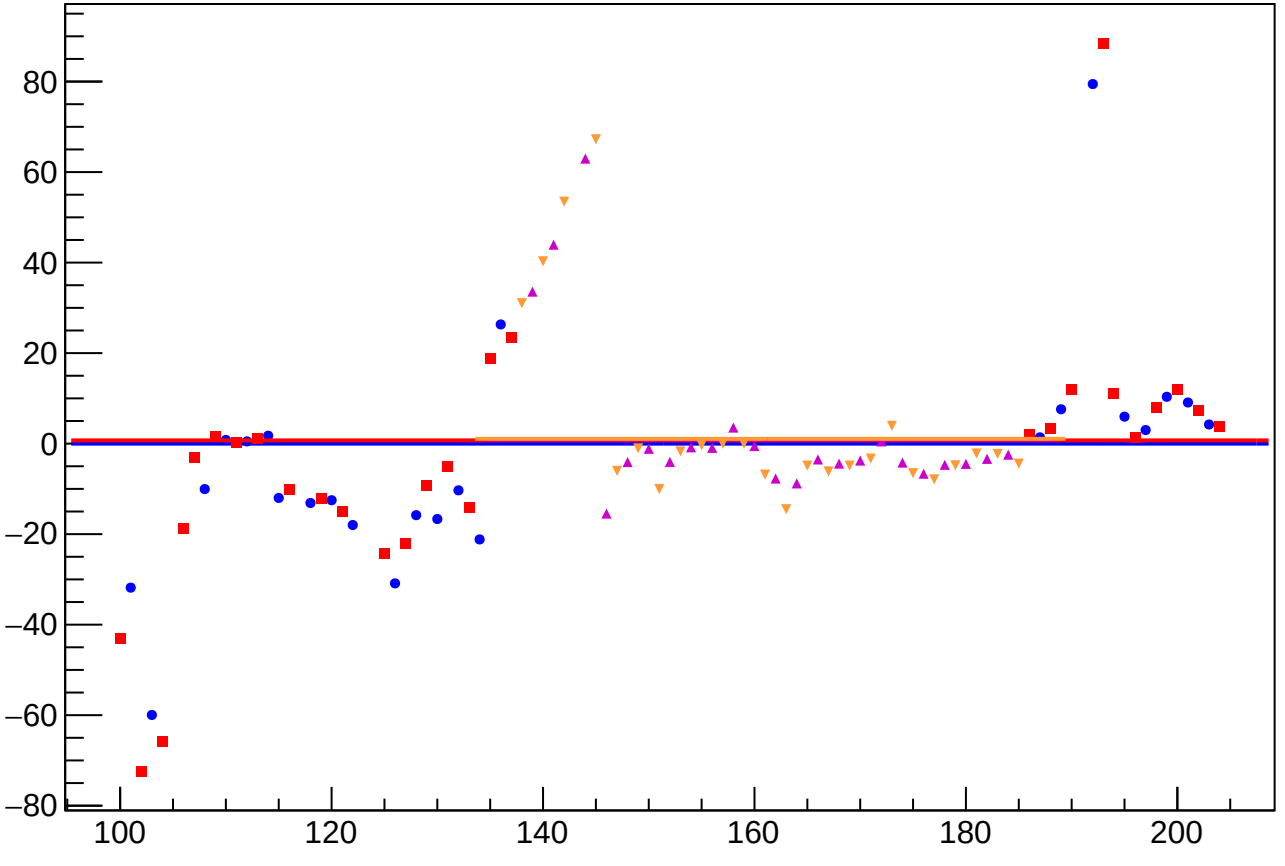
Right: 0.028+/-0.001 χ^2/NDF: 67109.7/51

In: -0.008+/-0.000 χ^2/NDF:40191.5/46

Out: -0.003+/-0.000 χ^2/NDF:40243.6/51

All: -0.006+/-0.000 χ^2/NDF: 80480.6/98

reg_asym_bcm_an_us_an_ds_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.002+/-0.044 χ^2/NDF: 118492.5/23

Left Out: 1.058+/-0.041 χ^2/NDF:131010.5/23

Right Out: 0.714+/-0.037 χ^2/NDF: 117766.4/27

Left In: 0.915+/-0.040 χ^2/NDF:132816.1/22

Left: 0.985+/-0.028 χ^2/NDF: 263832.9/46

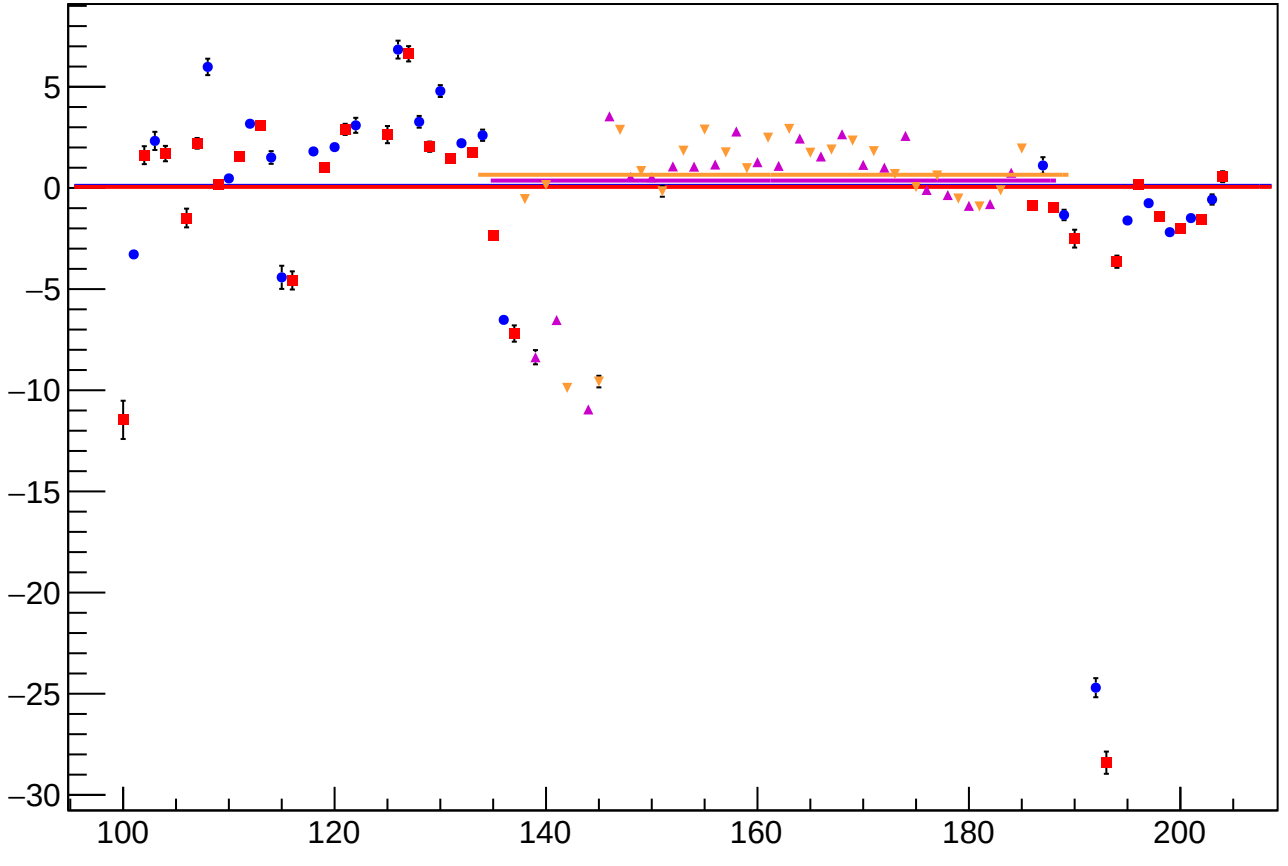
Right: 0.419+/-0.028 χ^2/NDF: 236414.9/51

In: 0.501+/-0.029 χ^2/NDF:251548.0/46

Out: 0.869+/-0.027 χ^2/NDF:248816.3/51

All: 0.699+/-0.020 χ^2/NDF: 500448.8/98

reg_asym_bcm_an_us_an_ds_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.104+/-0.049 χ^2/NDF: 5960.2/23

Left Out: 0.651+/-0.033 χ^2/NDF:4708.8/23

Right Out: 0.053+/-0.046 χ^2/NDF: 4983.0/27

Left In: 0.364+/-0.031 χ^2/NDF:7122.4/22

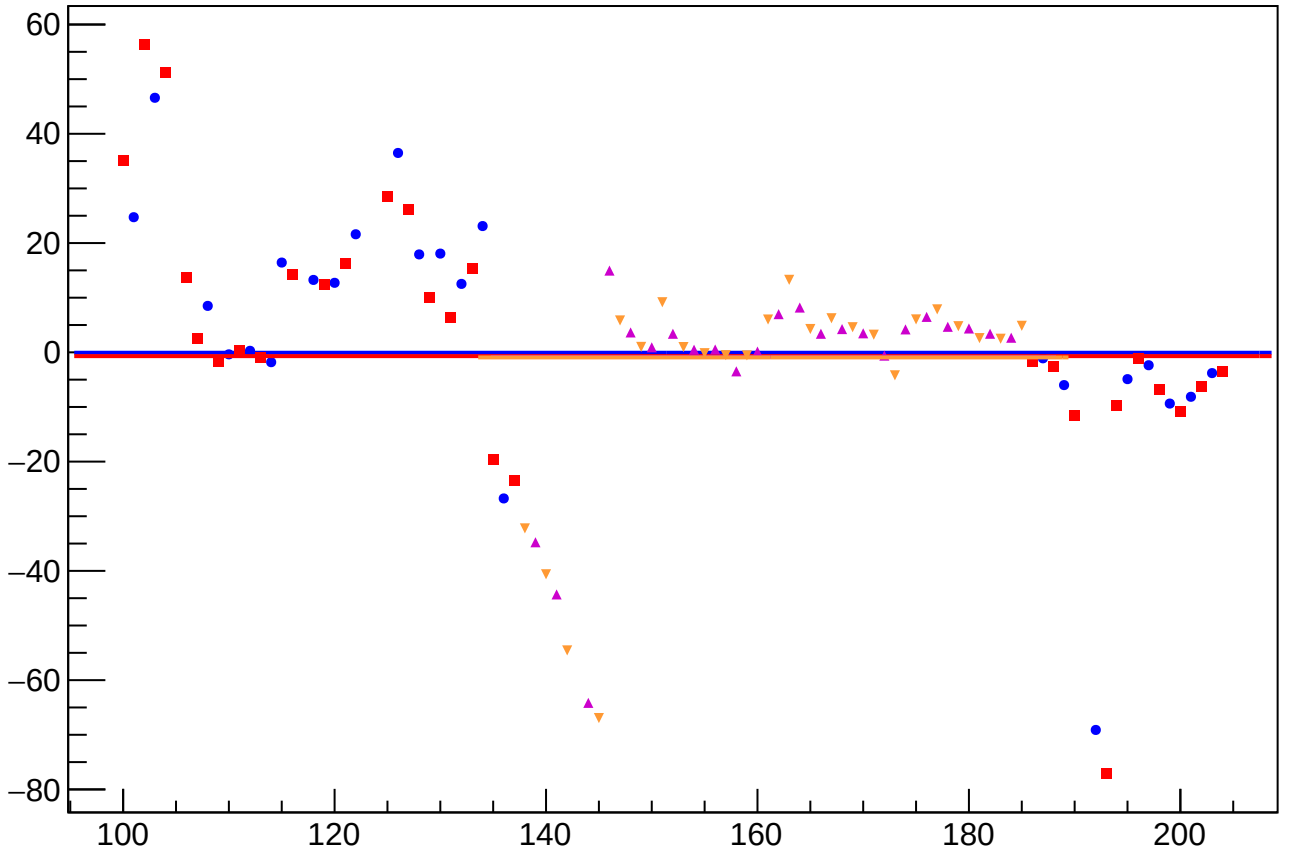
Left: 0.499+/-0.023 χ^2/NDF: 11870.9/46

Right: 0.076+/-0.033 χ^2/NDF: 10943.7/51

In: 0.289+/-0.026 χ^2/NDF:13102.7/46

Out: 0.444+/-0.027 χ^2/NDF:9804.8/51

All: 0.365+/-0.019 χ^2/NDF: 22924.5/98



Right In: -0.076+/-0.045 χ^2/NDF: 117611.0/23

Left Out: -0.927+/-0.041 χ^2/NDF:126360.1/23

Right Out: -0.696+/-0.039 χ^2/NDF: 116241.6/27

Left In: -0.858+/-0.039 χ^2/NDF:129490.8/22

Left: -0.891+/-0.028 χ^2/NDF: 255852.4/46

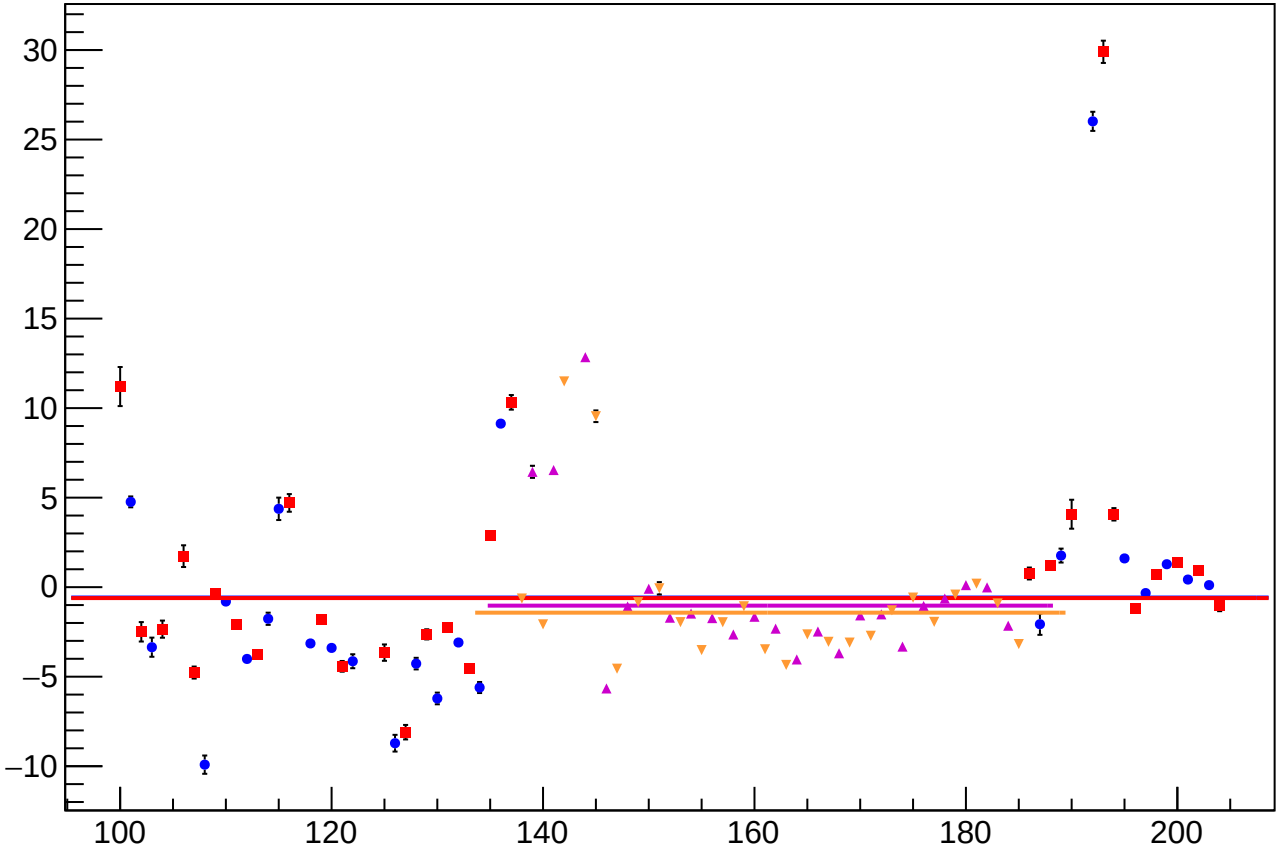
Right: -0.432+/-0.030 χ^2/NDF: 233959.6/51

In: -0.524+/-0.030 χ^2/NDF:247271.5/46

Out: -0.808+/-0.028 χ^2/NDF:242618.5/51

All: -0.673+/-0.020 χ^2/NDF: 489938.1/98

reg_asym_bcm_an_us_an_ds_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.580+/-0.057 χ^2/NDF: 7437.0/23

Left Out: -1.425+/-0.037 χ^2/NDF:4639.6/23

Right Out: -0.610+/-0.053 χ^2/NDF: 5503.2/27

Left In: -1.032+/-0.035 χ^2/NDF:7051.3/22

Left: -1.218+/-0.025 χ^2/NDF: 11751.4/46

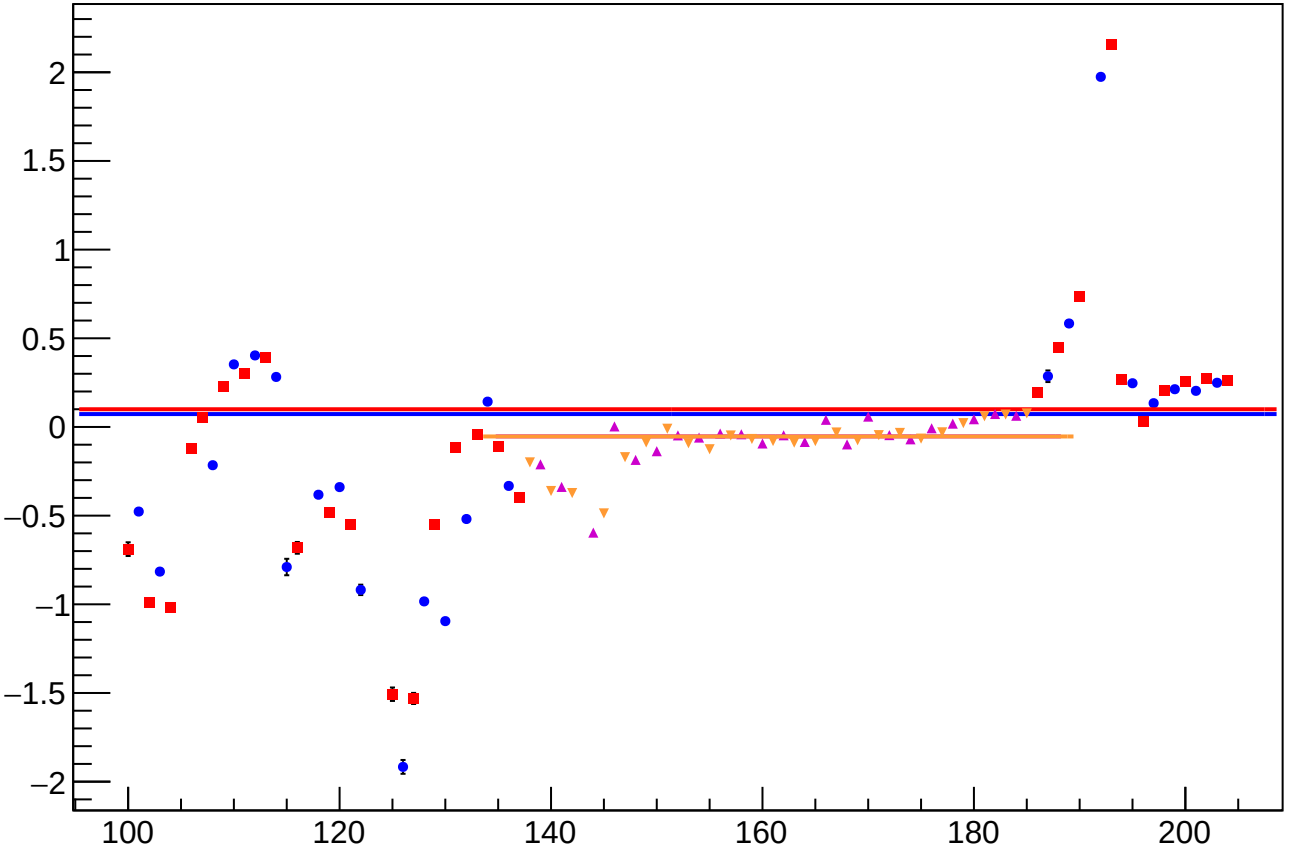
Right: -0.596+/-0.039 χ^2/NDF: 12940.4/51

In: -0.911+/-0.030 χ^2/NDF:14533.9/46

Out: -1.163+/-0.030 χ^2/NDF:10302.0/51

All: -1.035+/-0.021 χ^2/NDF: 24871.4/98

reg_asym_bcm_an_us_an_ds_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.073+/-0.003 χ^2/NDF: 34259.5/23

Left Out: -0.054+/-0.002 χ^2/NDF:4341.2/23

Right Out: 0.100+/-0.002 χ^2/NDF: 34016.4/27

Left In: -0.053+/-0.001 χ^2/NDF:5013.3/22

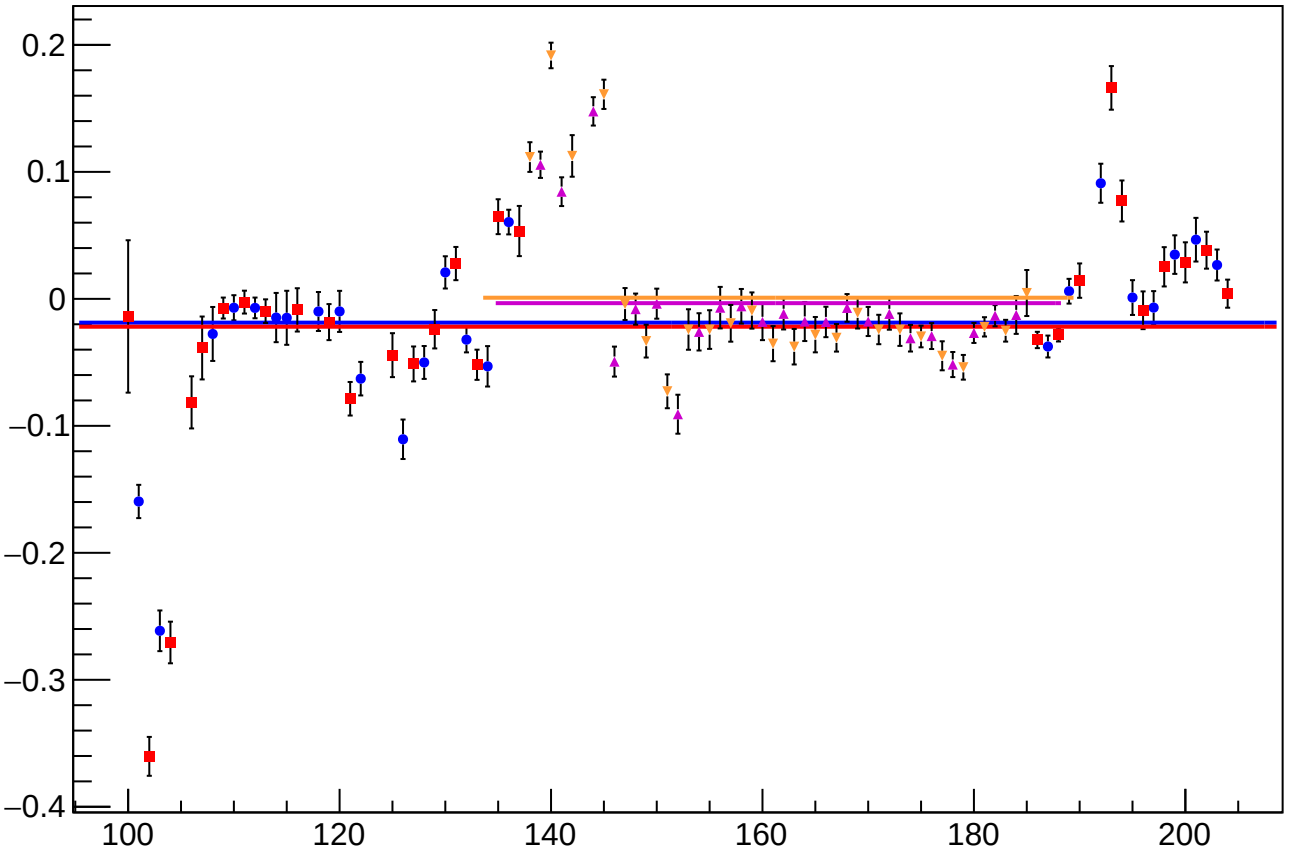
Left: -0.053+/-0.001 χ^2/NDF: 9354.6/46

Right: 0.087+/-0.002 χ^2/NDF: 68334.8/51

In: -0.021+/-0.001 χ^2/NDF:41071.2/46

Out: -0.008+/-0.001 χ^2/NDF:41124.0/51

All: -0.015+/-0.001 χ^2/NDF: 82249.7/98



Right In: -0.019+/-0.003 χ^2/NDF: 589.8/23

Left Out: 0.001+/-0.002 χ^2/NDF:849.7/23

Right Out: -0.022+/-0.002 χ^2/NDF: 1048.8/27

Left In: -0.003+/-0.002 χ^2/NDF:457.9/22

Left: -0.001+/-0.002 χ^2/NDF: 1309.2/46

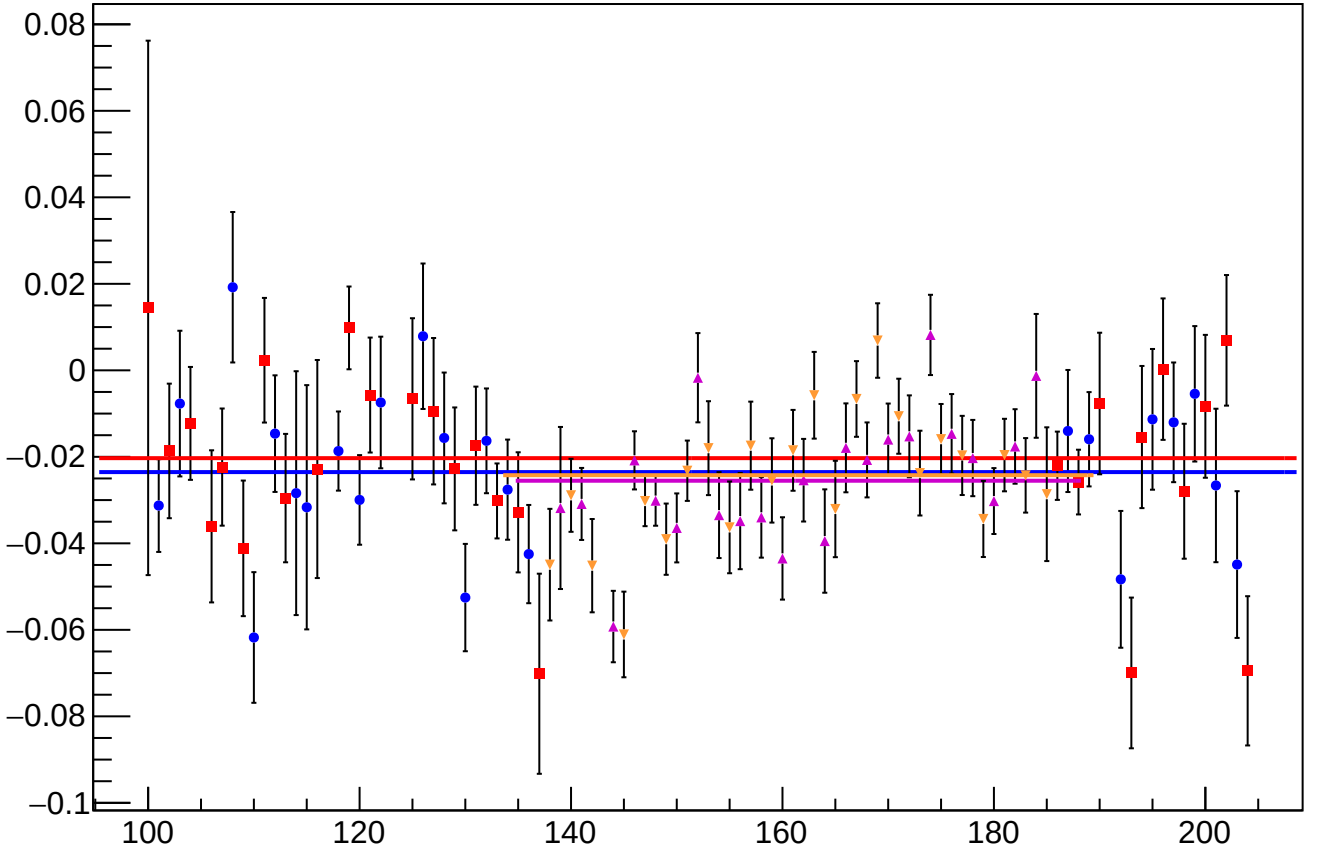
Right: -0.021+/-0.002 χ^2/NDF: 1639.4/51

In: -0.011+/-0.002 χ^2/NDF:1066.6/46

Out: -0.011+/-0.002 χ^2/NDF:1946.6/51

All: -0.011+/-0.001 χ^2/NDF: 3013.3/98

reg_asym_bcm_an_us_an_ds_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.024+/-0.003 χ^2/NDF: 36.3/23

Left Out: -0.024+/-0.002 χ^2/NDF:53.7/23

Right Out: -0.020+/-0.003 χ^2/NDF: 48.2/27

Left In: -0.026+/-0.002 χ^2/NDF:55.0/22

Left: -0.025+/-0.001 χ^2/NDF: 109.0/46

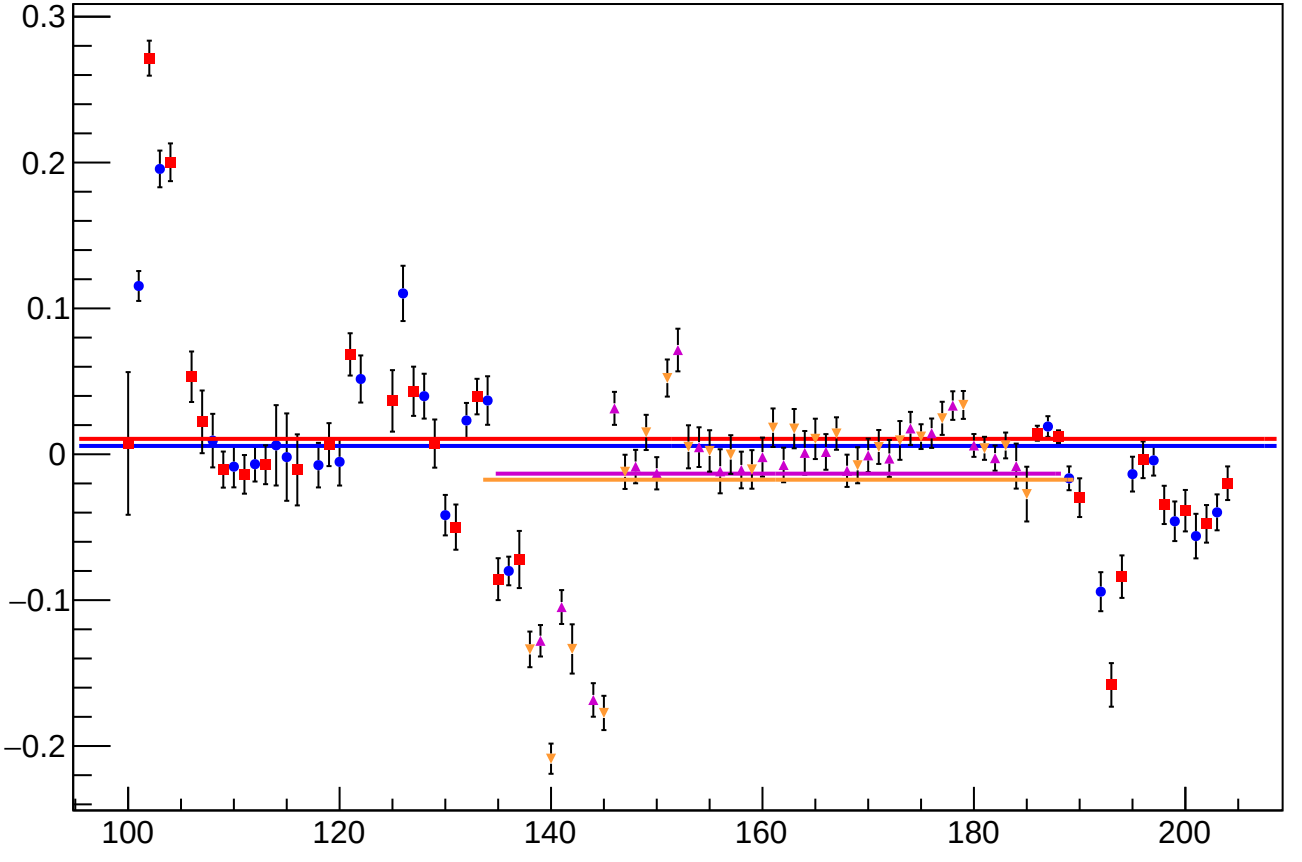
Right: -0.022+/-0.002 χ^2/NDF: 85.2/51

In: -0.025+/-0.002 χ^2/NDF:91.6/46

Out: -0.023+/-0.002 χ^2/NDF:103.5/51

All: -0.024+/-0.001 χ^2/NDF: 196.0/98

reg_asym_bcm_an_us_an_ds_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.006+/-0.003 χ^2/NDF: 597.6/23

Left Out: -0.017+/-0.002 χ^2/NDF:812.1/23

Right Out: 0.011+/-0.002 χ^2/NDF: 1040.2/27

Left In: -0.013+/-0.002 χ^2/NDF:458.6/22

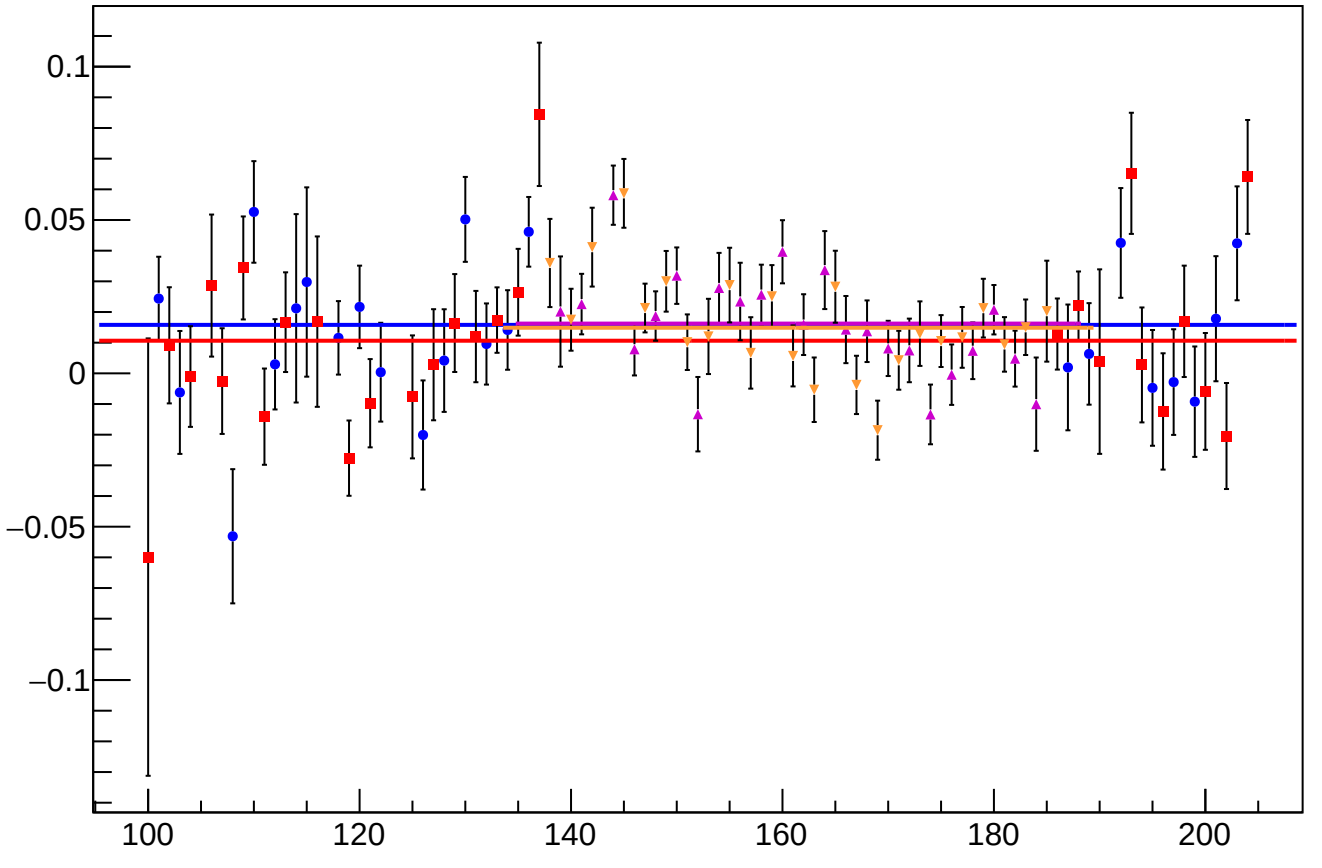
Left: -0.015+/-0.002 χ^2/NDF: 1272.2/46

Right: 0.009+/-0.002 χ^2/NDF: 1639.9/51

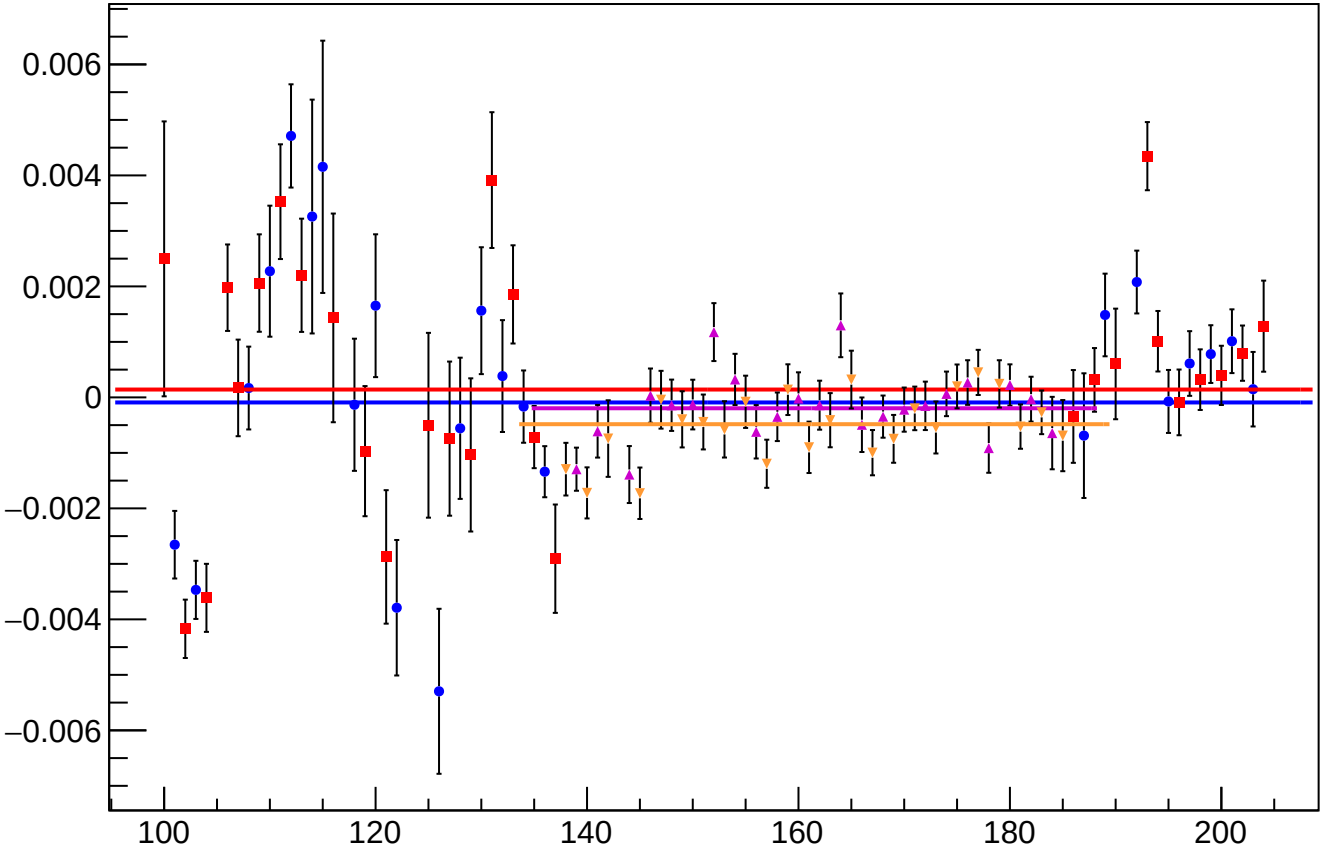
In: -0.005+/-0.002 χ^2/NDF:1085.6/46

Out: -0.002+/-0.002 χ^2/NDF:1927.9/51

All: -0.003+/-0.001 χ^2/NDF: 3014.4/98


reg_asym_bcm_an_us_an_ds_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
0.1
0.05
0
−0.05
−0.1
100
120
140
160
180
200
Right In: 0.016+/-0.003 χ²/NDF: 46.2/23
Left Out: 0.015+/-0.002 χ²/NDF:52.1/23
Right Out: 0.011+/-0.003 χ²/NDF: 54.7/27
Left In: 0.016+/-0.002 χ²/NDF:58.0/22
Left: 0.016+/-0.001 χ²/NDF: 110.2/46
Right: 0.013+/-0.002 χ²/NDF: 102.1/51
In: 0.016+/-0.002 χ²/NDF:104.2/46
Out: 0.014+/-0.002 χ²/NDF:108.0/51
All: 0.015+/-0.001 χ²/NDF: 213.2/98

reg_asym_bcm_an_us_an_ds_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 156.7/23

Left Out: -0.000+/-0.000 χ^2/NDF:40.8/23

Right Out: 0.000+/-0.000 χ^2/NDF: 219.3/27

Left In: -0.000+/-0.000 χ^2/NDF:37.2/22

Left: -0.000+/-0.000 χ^2/NDF: 82.8/46

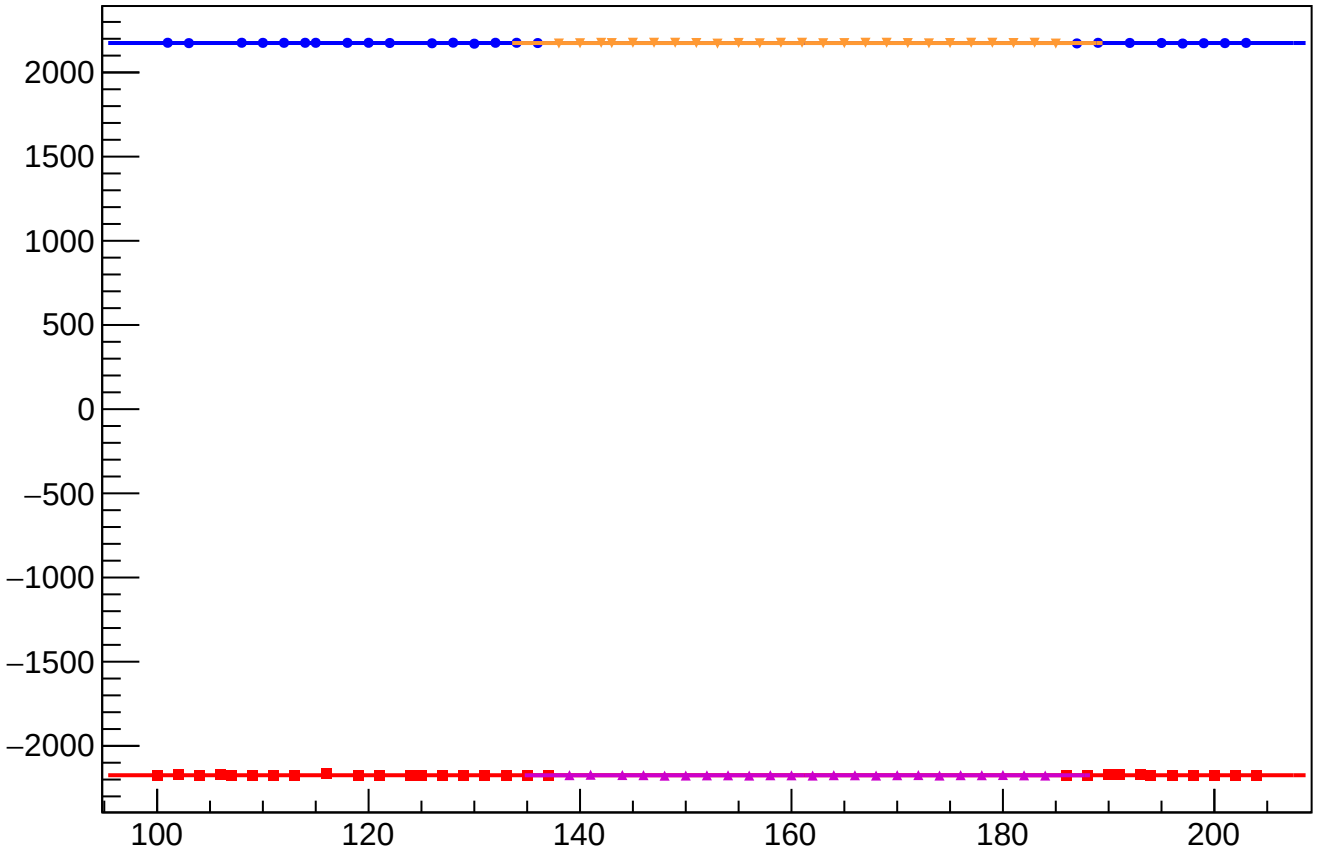
Right: 0.000+/-0.000 χ^2/NDF: 377.3/51

In: -0.000+/-0.000 χ^2/NDF:194.3/46

Out: -0.000+/-0.000 χ^2/NDF:273.4/51

All: -0.000+/-0.000 χ^2/NDF: 469.1/98

HALLA_p_mean vs Slug, Sign Corrected



Right In: 2174.823+/-0.000 χ^2/NDF: 3086176791199406934726003384123392.0/23

Left Out: 2174.643+/-0.000 χ^2/NDF:52116844463194421571996575984517 12.0/24

Right Out: -2174.326+/-0.000 χ^2/NDF: 994244320039864506131906937906 7904.0/29

Left In: -2174.573+/-0.000 χ^2/NDF:343126709779383884572886381572915 2.0/22

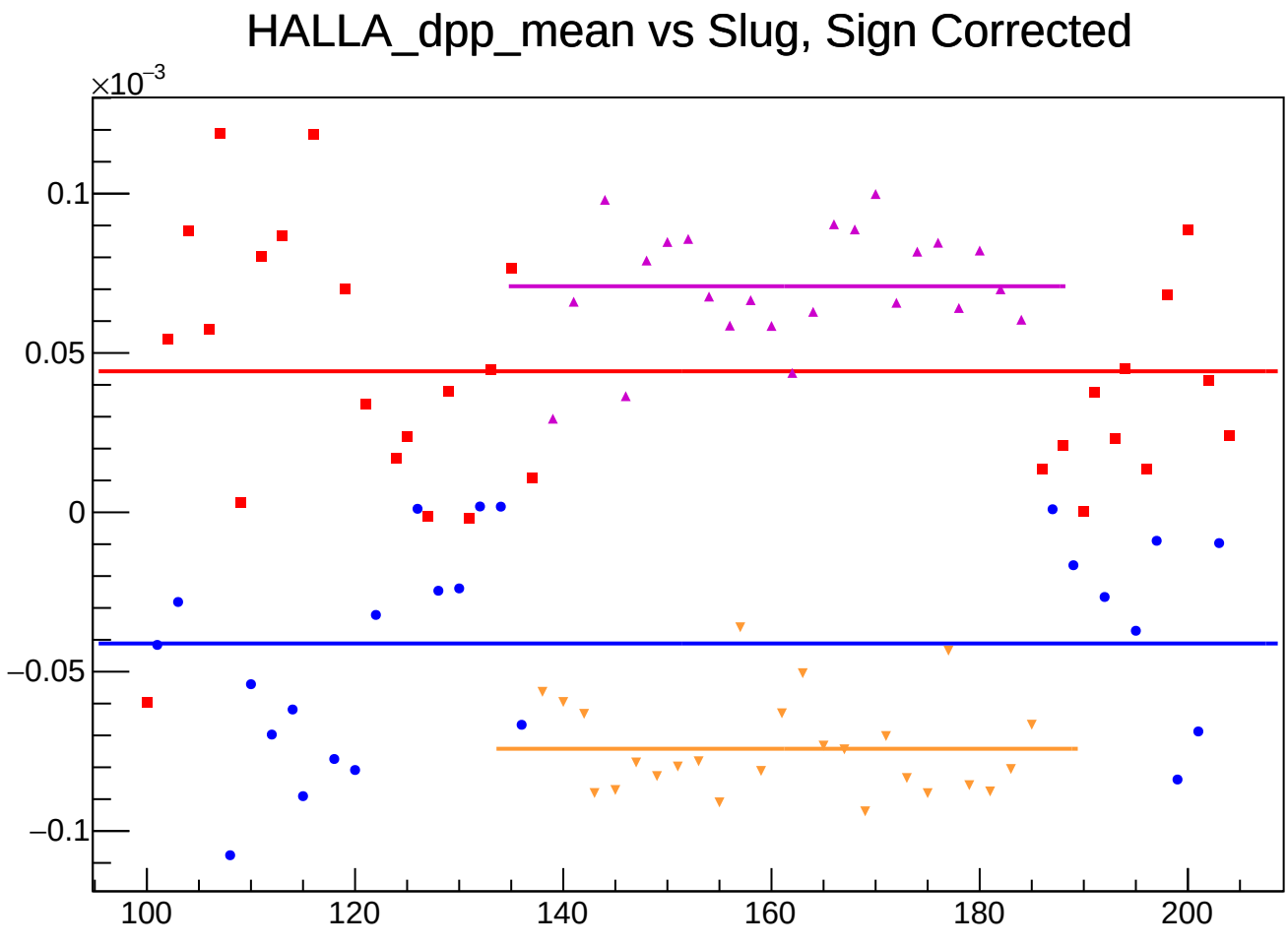
Left: 62.103+/-0.000 χ^2/NDF: 18541167673153150

Right: -164.515+/-0.000 χ^2/NDF: 13775777095927

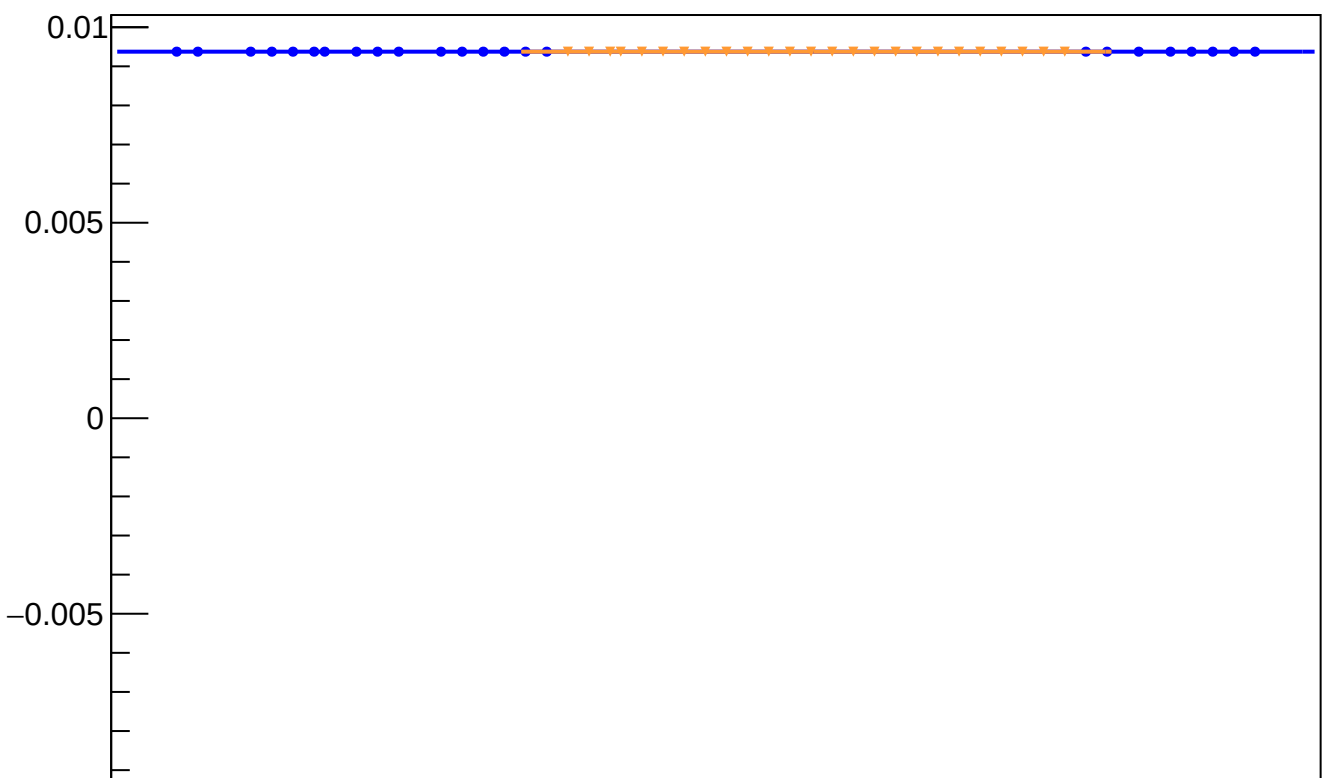
In: -368.106+/-0.000 χ^2/NDF:1497552017141734

Out: 267.582+/-0.000 χ^2/NDF:1673679069671574

All: -34.773+/-0.000 χ^2/NDF: 324030918255


HALLA_dpp_mean vs Slug, Sign Corrected
×10^−3
0.1
0.05
0
−0.05
−0.1
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 1223672172379541524709376.0/23
Left Out: -0.000+/-0.000 χ²/NDF:4718347685513097925099520/24
Right Out: 0.000+/-0.000 χ²/NDF: 158361674961225401761792 0.0/29
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: 81201595984832063
In: 0.000+/-0.000 χ²/NDF:1180073568539583441
Out: -0.000+/-0.000 χ²/NDF:14469307741680250
All: -0.000+/-0.000 χ²/NDF: 2998654878968

MQ171LM_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 0.2/23

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: -0.009+/-0.000 χ^2/NDF: 0.2/29

Left In: -0.009+/-0.000 χ^2/NDF:0.1/22

Left: 0.000+/-0.000 χ^2/NDF: 344601849197246623

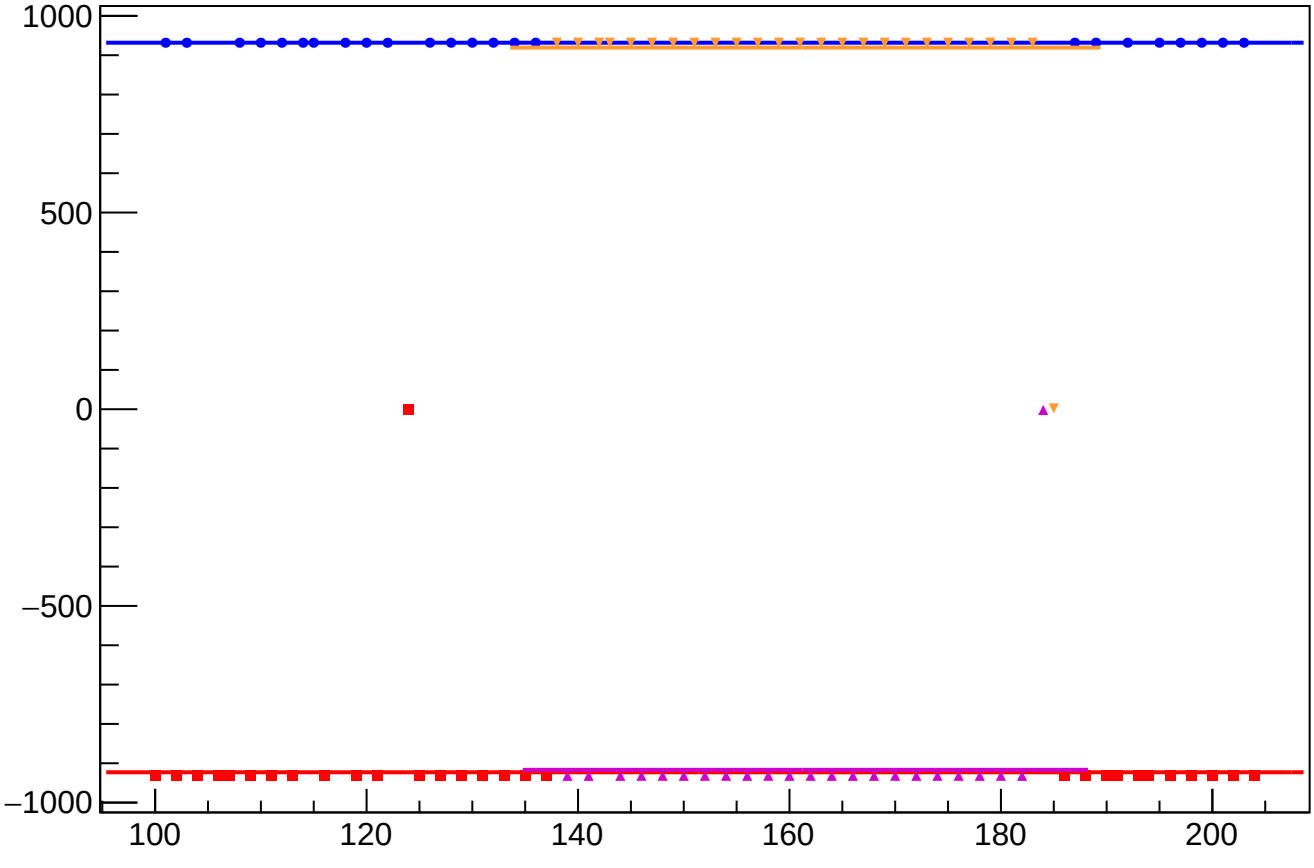
Right: -0.001+/-0.000 χ^2/NDF: 2560411689419790

In: -0.002+/-0.000 χ^2/NDF:278308521855827490

Out: 0.001+/-0.000 χ^2/NDF:311101314691151170

All: -0.000+/-0.000 χ^2/NDF: 6022471823023

HacL_Q2_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 931.776+/-0.000 χ^2/NDF: 319320109779572941807868601958 4.0/23

Left Out: 919.347+/-0.000 χ^2/NDF:230211234962152806190415261330812436 48.0/24

Right Out: -922.911+/-0.000 χ^2/NDF: 1289837149092568149704856141391567 2576.0/29

Left In: -916.654+/-0.000 χ^2/NDF:263697449311835480737856648421855723 52.0/22

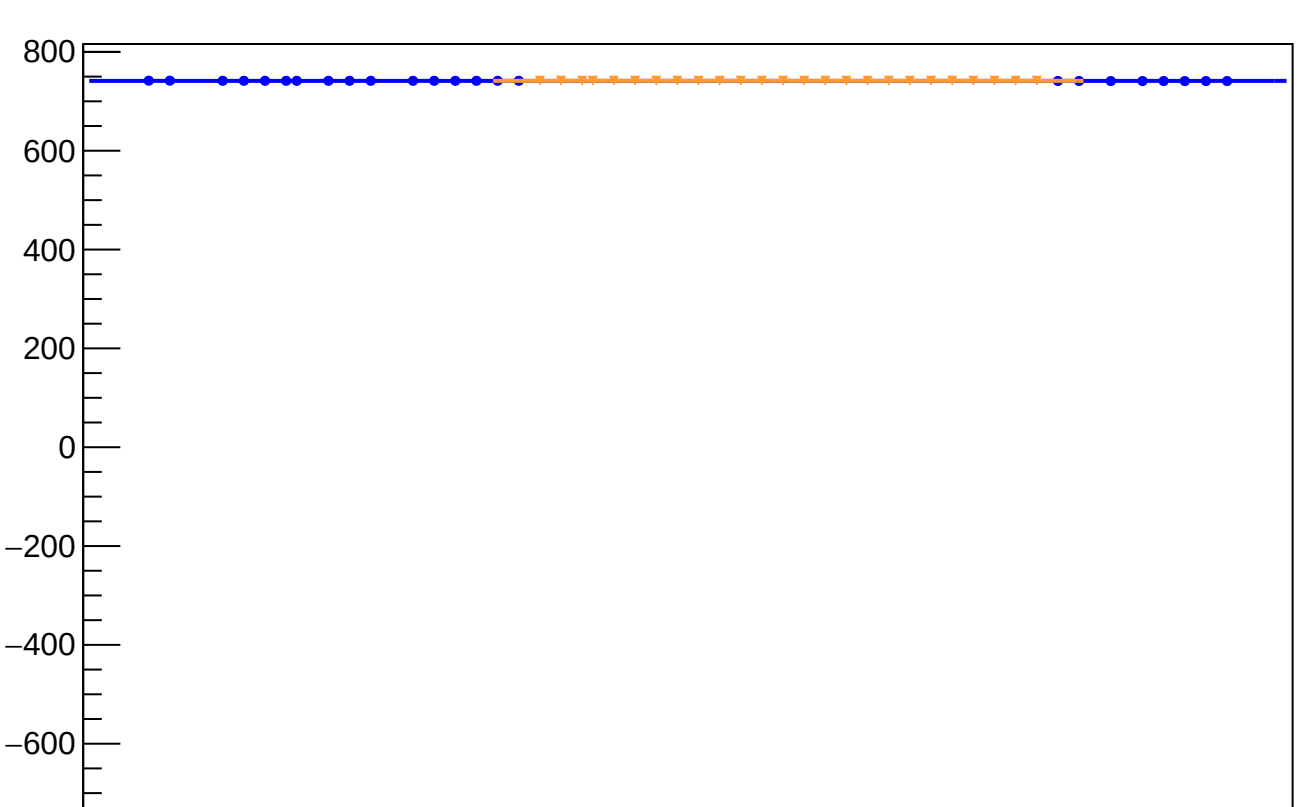
Left: 27.548+/-0.000 χ^2/NDF: 335355180821936 32

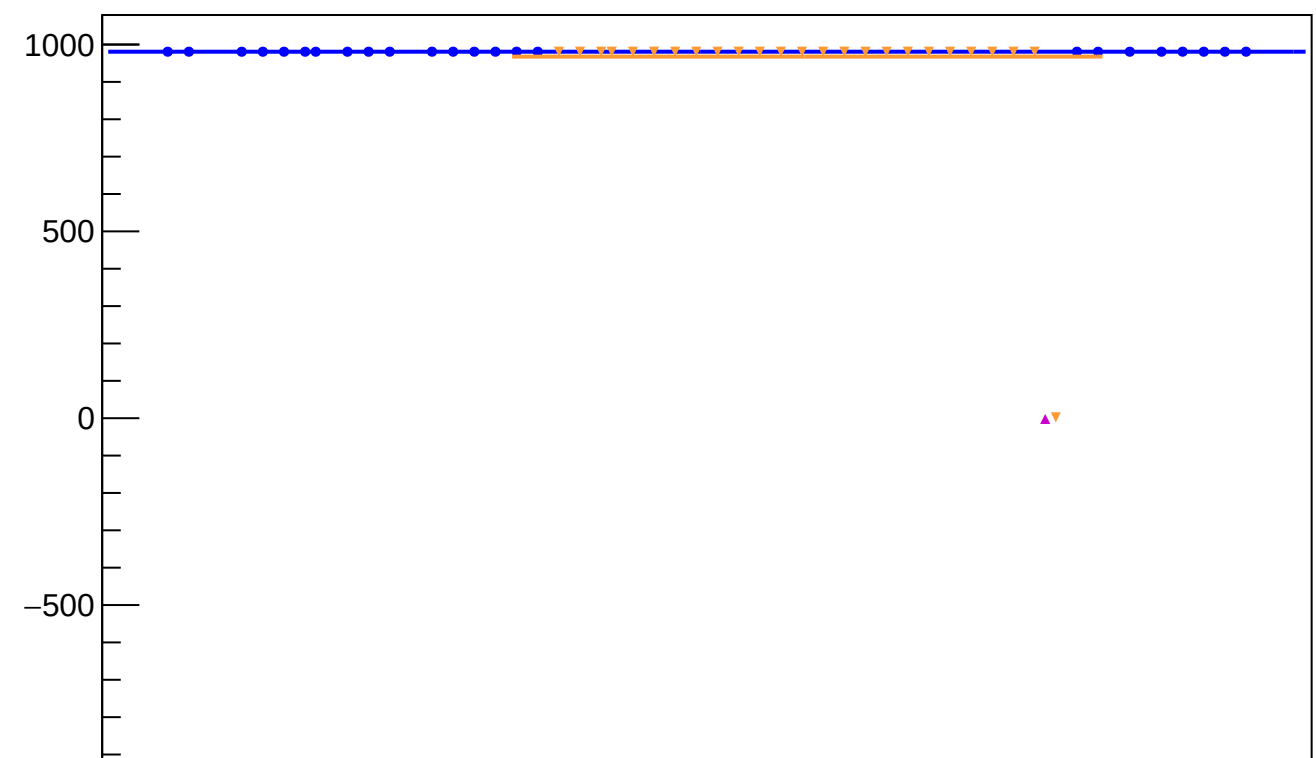
Right: -65.831+/-0.000 χ^2/NDF: 25181339409431 64

In: -148.932+/-0.000 χ^2/NDF:27311372360133 99

Out: 111.501+/-0.000 χ^2/NDF:30392325672800 31

All: -12.370+/-0.000 χ^2/NDF: 588631267251


HacL_D1_HP3458A_IOUT_mean vs Slug, Sign Corrected
800
600
400
200
0
−200
−400
−600
−800
100
120
140
160
180
200
Right In: 741.330+/-0.000 χ²/NDF: 10075667530493421422845592443289 6.0/23
Left Out: 741.513+/-0.000 χ²/NDF:2519763107681262962318896005 12.0/24
Right Out: -741.308+/-0.000 χ²/NDF: 11712088944358670582218865246208 0.0/29
Left In: -741.513+/-0.000 χ²/NDF:2347039830300854231858958827 52.0/22
Left: 21.165+/-0.000 χ²/NDF: 2155819118342563
Right: -56.157+/-0.000 χ²/NDF: 160095003734526
In: -125.632+/-0.000 χ²/NDF:1740661351475324
Out: 91.283+/-0.000 χ²/NDF:1945703966239660
All: -11.889+/-0.000 χ²/NDF: 376679810510



Right In: 980.810+/-0.000 χ^2/NDF: 1741914299554725610046359601152.0/23

Left Out: 967.677+/-0.000 χ^2/NDF:2550515560327992564154129577963369267 2.0/24

Right Out: -980.778+/-0.000 χ^2/NDF: 6339942921642270154021618162073 6.0/29

Left In: -964.854+/-0.000 χ^2/NDF:2921583896010307878411284562824501 6576.0/22

Left: 28.991+/-0.000 χ^2/NDF: 37154523356806808

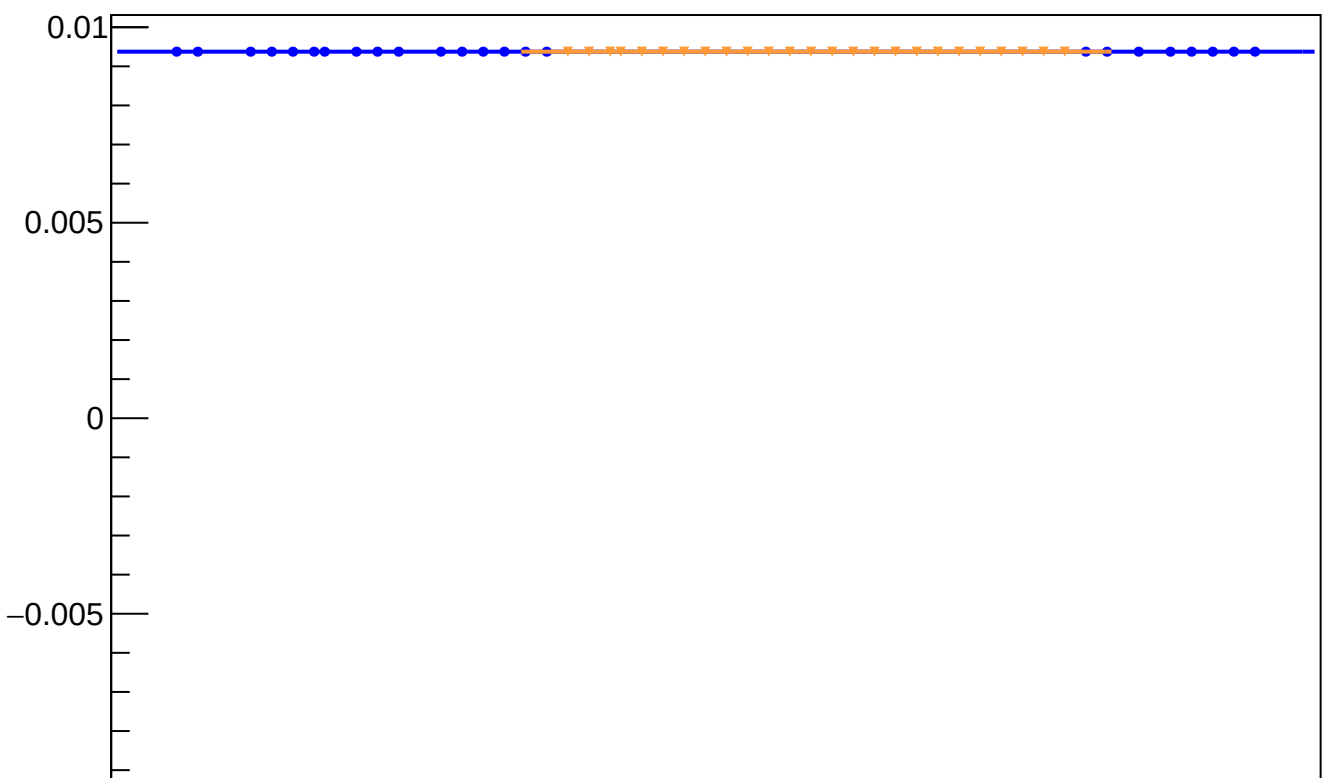
Right: -74.297+/-0.000 χ^2/NDF: 280235114505833

In: -156.747+/-0.000 χ^2/NDF:3026027827413051

Out: 113.263+/-0.000 χ^2/NDF:3385044820156731

All: -15.163+/-0.000 χ^2/NDF: 65356991427

MQ172RM_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 0.2/23

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: -0.009+/-0.000 χ^2/NDF: 0.2/29

Left In: -0.009+/-0.000 χ^2/NDF:0.1/22

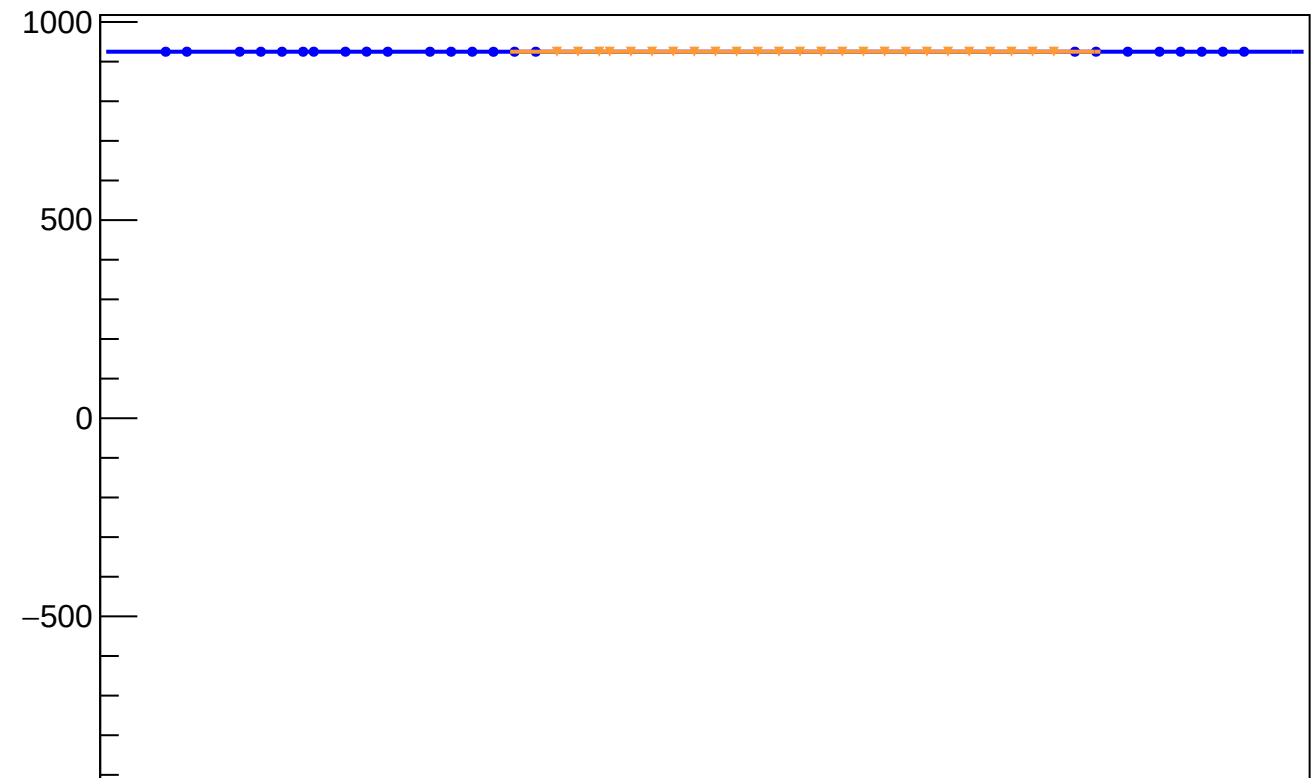
Left: 0.000+/-0.000 χ^2/NDF: 344601849197246623

Right: -0.001+/-0.000 χ^2/NDF: 2560411689419790

In: -0.002+/-0.000 χ^2/NDF:278308521855827490

Out: 0.001+/-0.000 χ^2/NDF:311101314691151170

All: -0.000+/-0.000 χ^2/NDF: 6022471823023



Right In: 924.988+/-0.000 χ^2/NDF: 335694094613233891257282566553 6.0/23

Left Out: 924.983+/-0.000 χ^2/NDF:1161112698344246137667167715328.0/24

Right Out: -924.994+/-0.000 χ^2/NDF: 19040970199427085849029100175 36.0/29

Left In: -924.983+/-0.000 χ^2/NDF:92827030718158770136834847539 2.0/22

Left: 26.401+/-0.000 χ^2/NDF: 3354615142636374

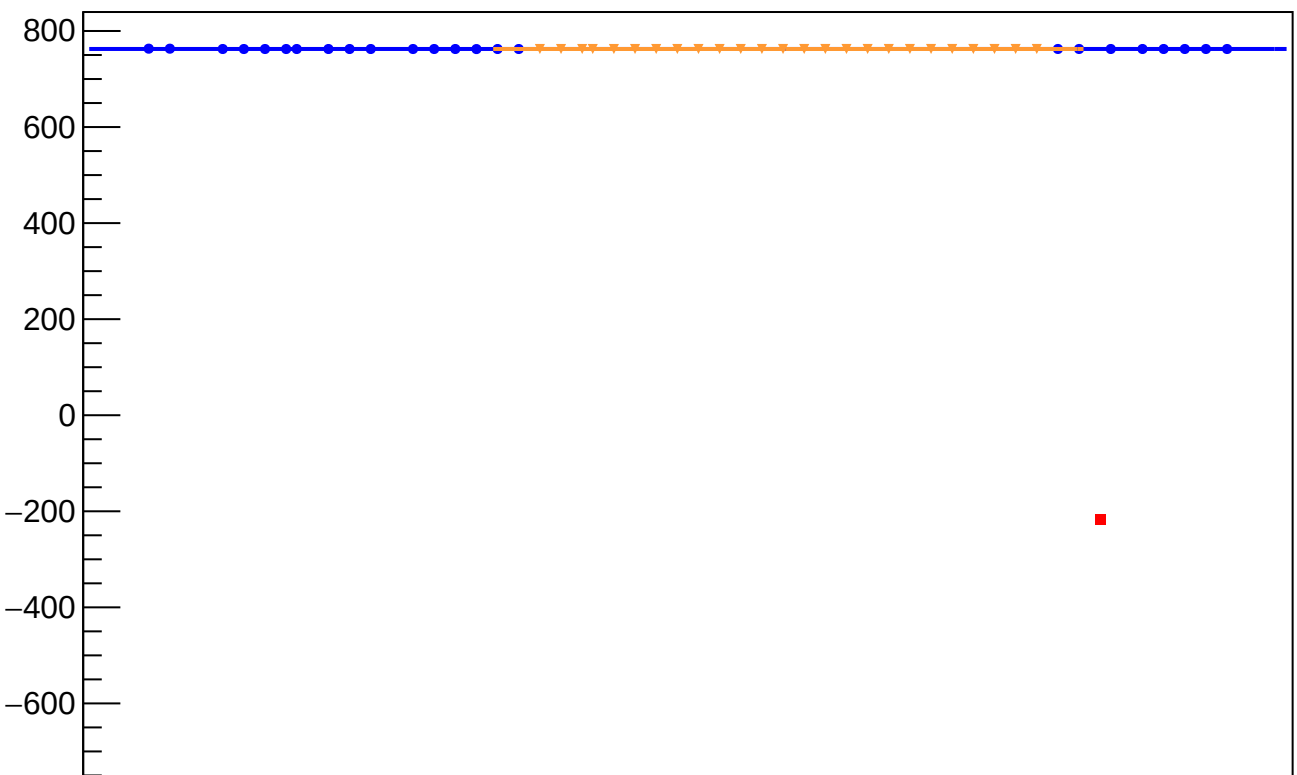
Right: -70.088+/-0.000 χ^2/NDF: 249253859224799

In: -156.621+/-0.000 χ^2/NDF:2709278386803040

Out: 113.752+/-0.000 χ^2/NDF:3028530195151017

All: -14.847+/-0.000 χ^2/NDF: 586277107667

HacR_D1_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 762.575+/-0.000 χ^2/NDF: 5440835655059970189259167498240 0.0/23

Left Out: 762.518+/-0.000 χ^2/NDF:767703709161817083348479115264.0/24

Right Out: -753.923+/-0.000 χ^2/NDF: 732146926759367470362711371556690 3296.0/29

Left In: -762.519+/-0.000 χ^2/NDF:67064753778125939445211961753 6.0/22

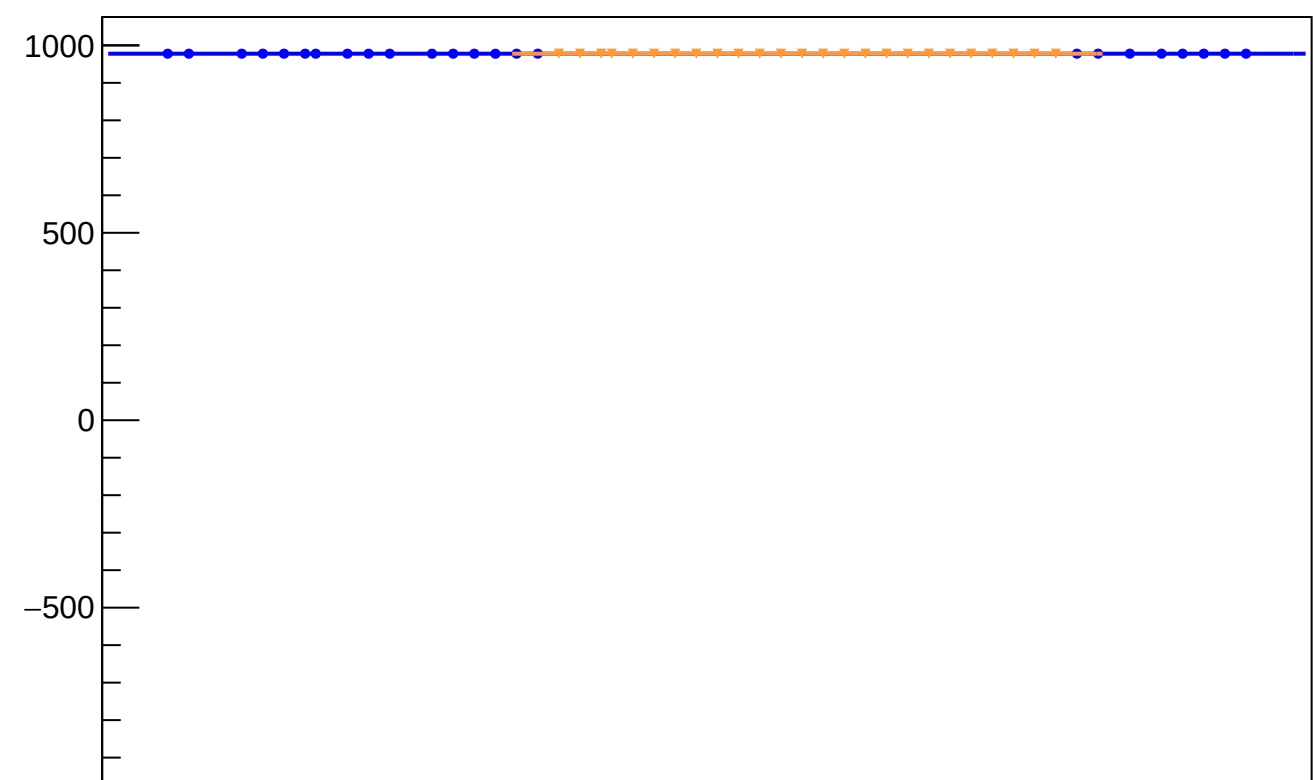
Left: 21.764+/-0.000 χ^2/NDF: 22796901664040585

Right: -53.125+/-0.000 χ^2/NDF: 168223052539844

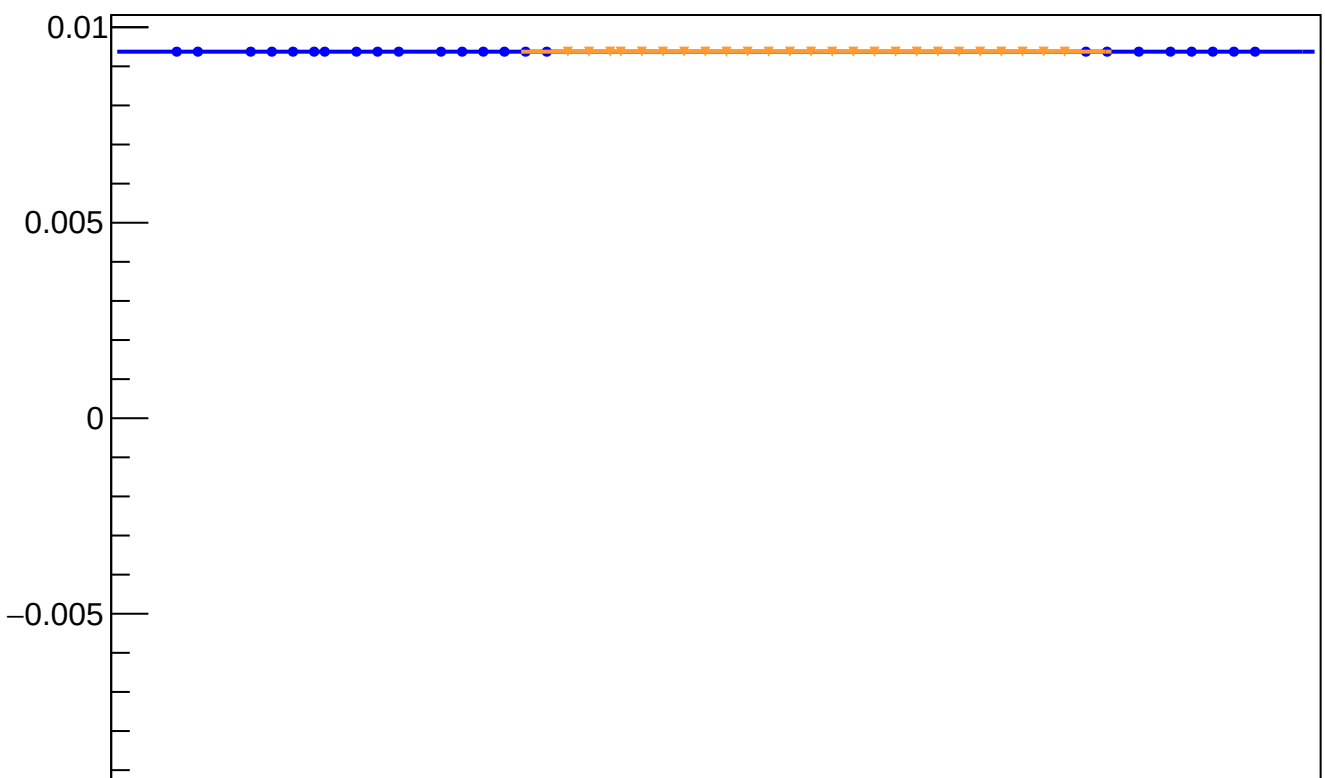
In: -129.090+/-0.000 χ^2/NDF:1841268266778861

Out: 97.546+/-0.000 χ^2/NDF:20422574461411317

All: -10.250+/-0.000 χ^2/NDF: 39713284964


HacR_Q3_HP3458A_IOUT_mean vs Slug, Sign Corrected
1000
500
0
−500
−1000
100
120
140
160
180
200
Left: 27.908+/-0.000 χ²/NDF: 37481642757083146
Right In: 977.758+/-0.000 χ²/NDF: 2183598009833038327889019273216.0/23
Right: -74.081+/-0.000 χ²/NDF: 278502333783550
Left Out: 977.738+/-0.000 χ²/NDF:1178407872566336572325000904704.0/24
In: -165.546+/-0.000 χ²/NDF:3027168123237816
Right Out: -977.755+/-0.000 χ²/NDF: 2820273444494461871645712711680.0/29
Out: 120.237+/-0.000 χ²/NDF:3383855900315004
Left In: -977.735+/-0.000 χ²/NDF:109676643760541725462707254067 2.0/22
All: -15.691+/-0.000 χ²/NDF: 655063629833

hesDipole_current_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 0.2/23

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: -0.009+/-0.000 χ^2/NDF: 0.2/29

Left In: -0.009+/-0.000 χ^2/NDF:0.1/22

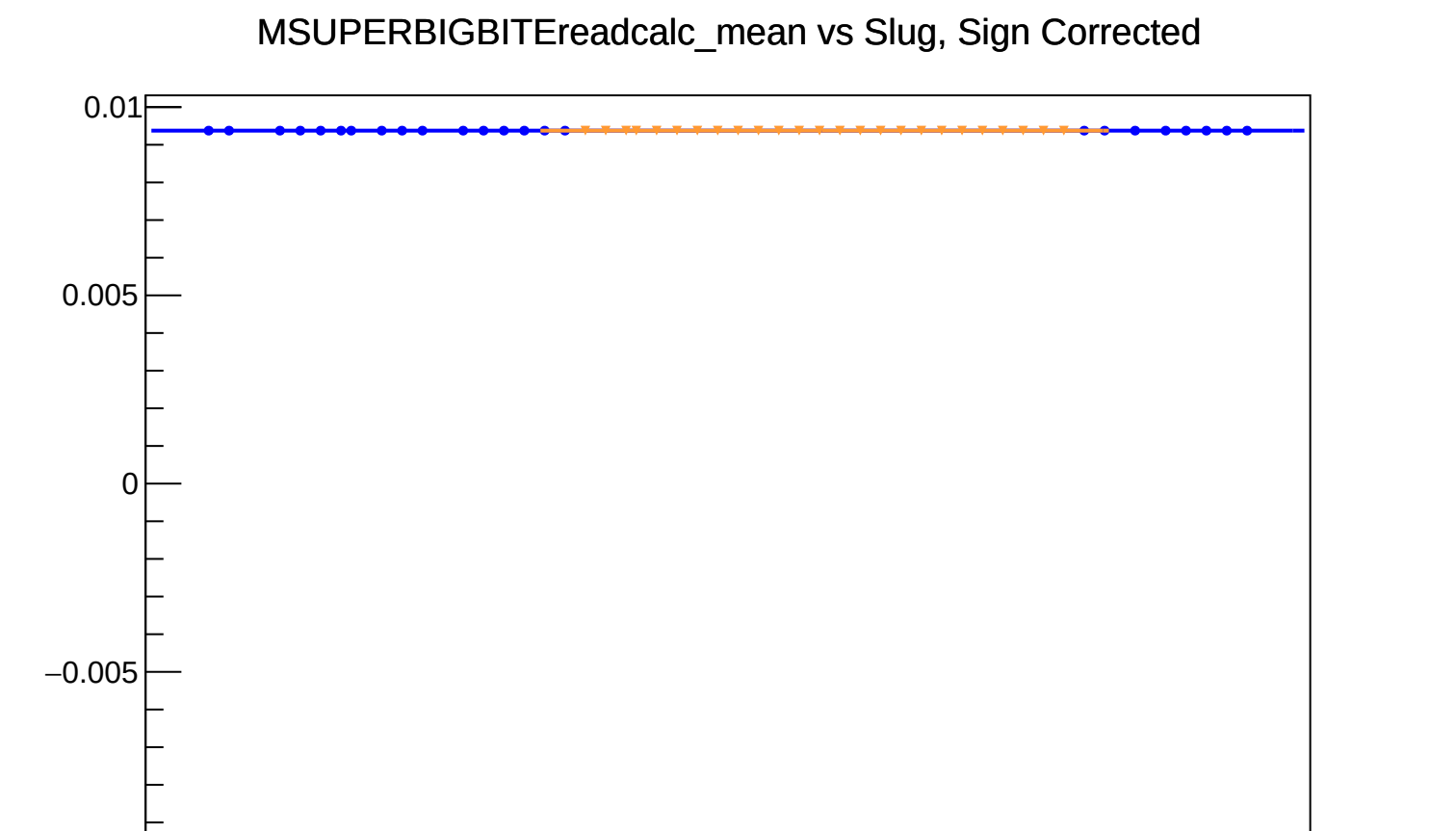
Left: 0.000+/-0.000 χ^2/NDF: 344601849197246623

Right: -0.001+/-0.000 χ^2/NDF: 2560411689419790

In: -0.002+/-0.000 χ^2/NDF:278308521855827490

Out: 0.001+/-0.000 χ^2/NDF:311101314691151170

All: -0.000+/-0.000 χ^2/NDF: 6022471823023



Right In: 0.009+/-0.000 χ^2/NDF: 0.2/23

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: -0.009+/-0.000 χ^2/NDF: 0.2/29

Left In: -0.009+/-0.000 χ^2/NDF:0.1/22

Left: 0.000+/-0.000 χ^2/NDF: 344601849197246623

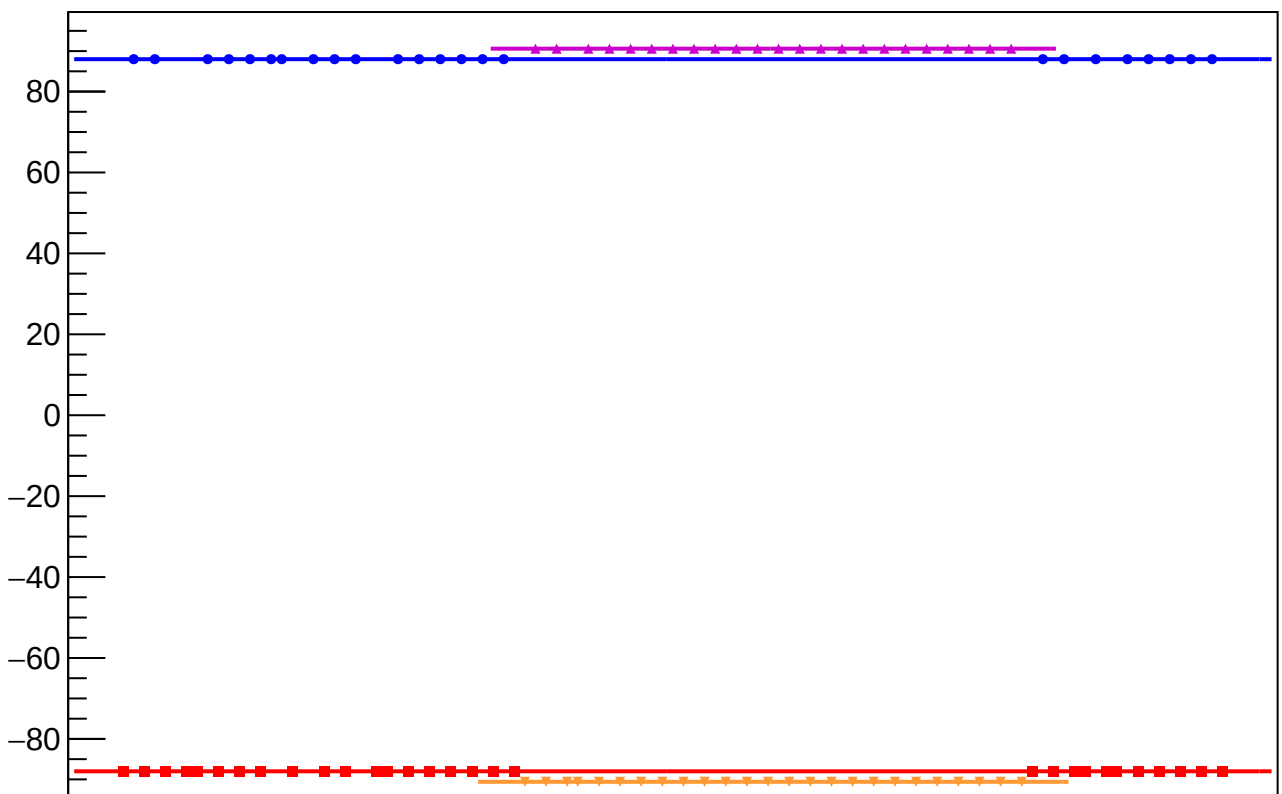
Right: -0.001+/-0.000 χ^2/NDF: 2560411689419790

In: -0.002+/-0.000 χ^2/NDF:278308521855827490

Out: 0.001+/-0.000 χ^2/NDF:311101314691151170

All: -0.000+/-0.000 χ^2/NDF: 6022471823023

VWienAngle_mean vs Slug, Sign Corrected



Right In: 88.001+/-0.000 χ^2/NDF: 2559493.9/23

Left Out: -90.599+/-0.000 χ^2/NDF:5219558.1/24

Right Out: -88.002+/-0.000 χ^2/NDF: 761041489493974063896372183 04.0/29

Left In: 90.599+/-0.000 χ^2/NDF:7520558.1/22

Left: -2.586+/-0.000 χ^2/NDF: 32182865130583949

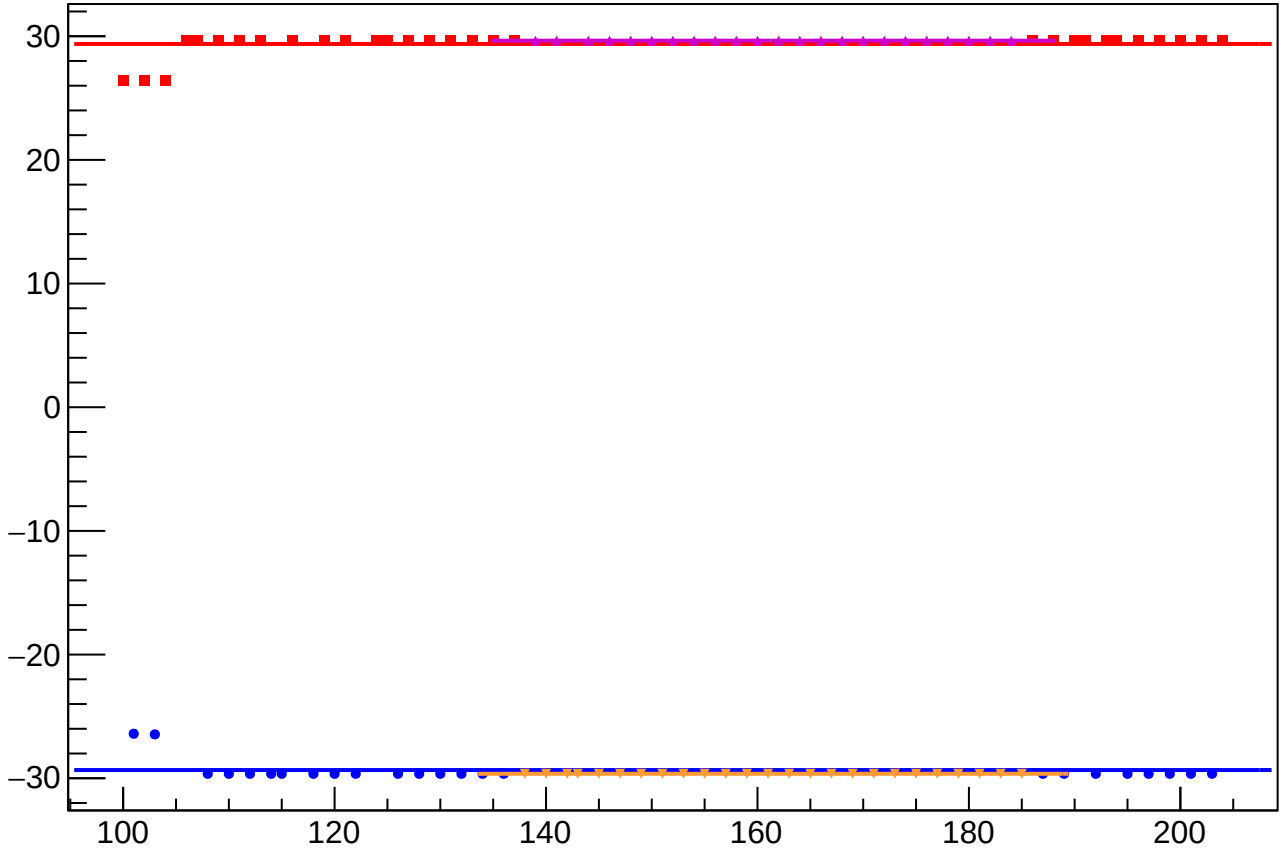
Right: -6.668+/-0.000 χ^2/NDF: 2256035836364071

In: 89.520+/-0.000 χ^2/NDF:534565269915019425

Out: -89.460+/-0.000 χ^2/NDF:5969582991816915

All: -4.331+/-0.000 χ^2/NDF: 5477118034166

HWienAngle_mean vs Slug, Sign Corrected



Right In: -29.337+/-0.000 χ^2/NDF: 11978156389111686438174351949824 00.0/23

Left Out: -29.641+/-0.000 χ^2/NDF:409122.2/24

Right Out: 29.376+/-0.000 χ^2/NDF: 1243346135025384333660186388463616.0/29

Left In: 29.641+/-0.000 χ^2/NDF:290780.4/22

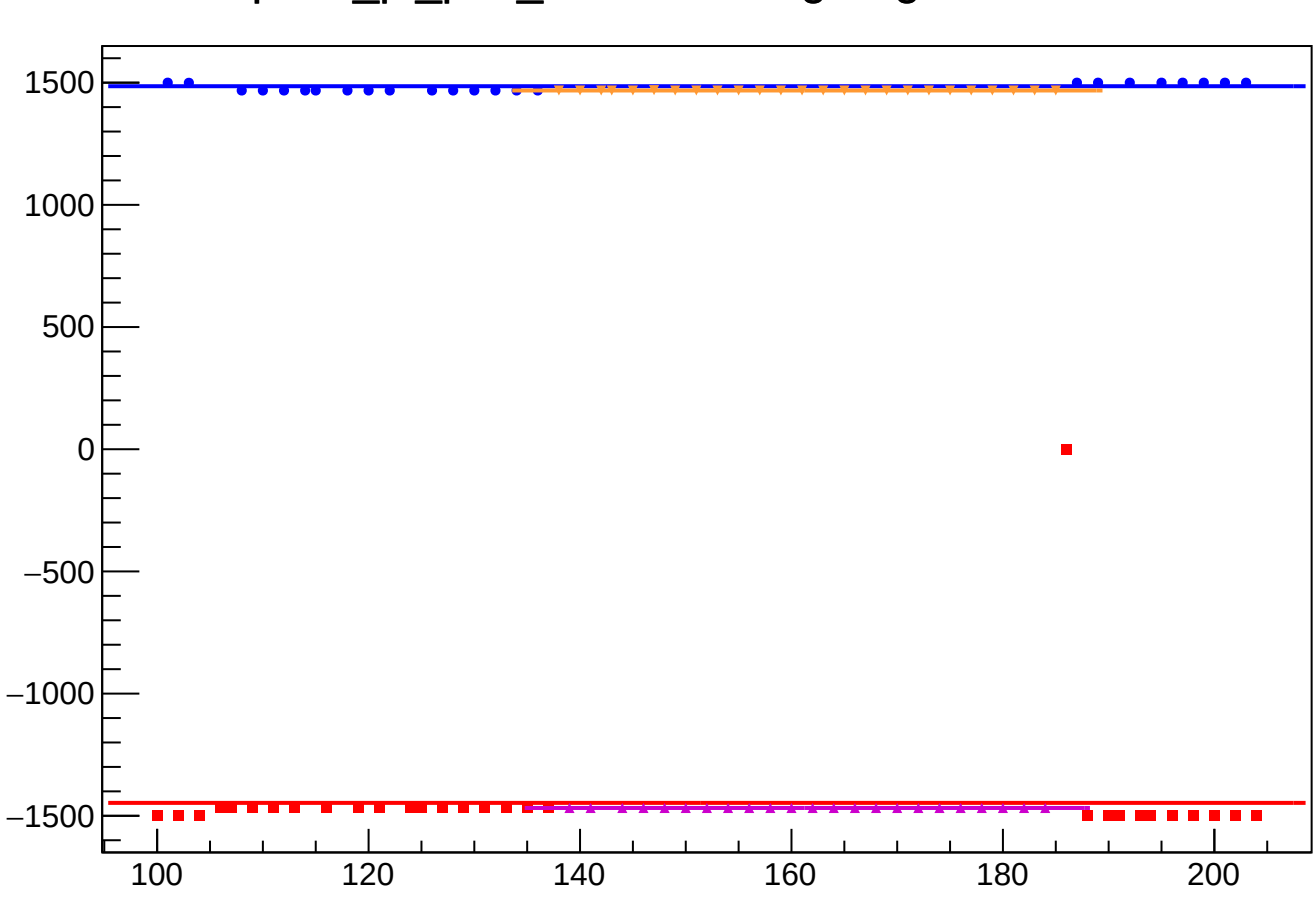
Left: -0.846+/-0.000 χ^2/NDF: 34447051473431892

Right: 2.244+/-0.000 χ^2/NDF: 2512971643208514 9

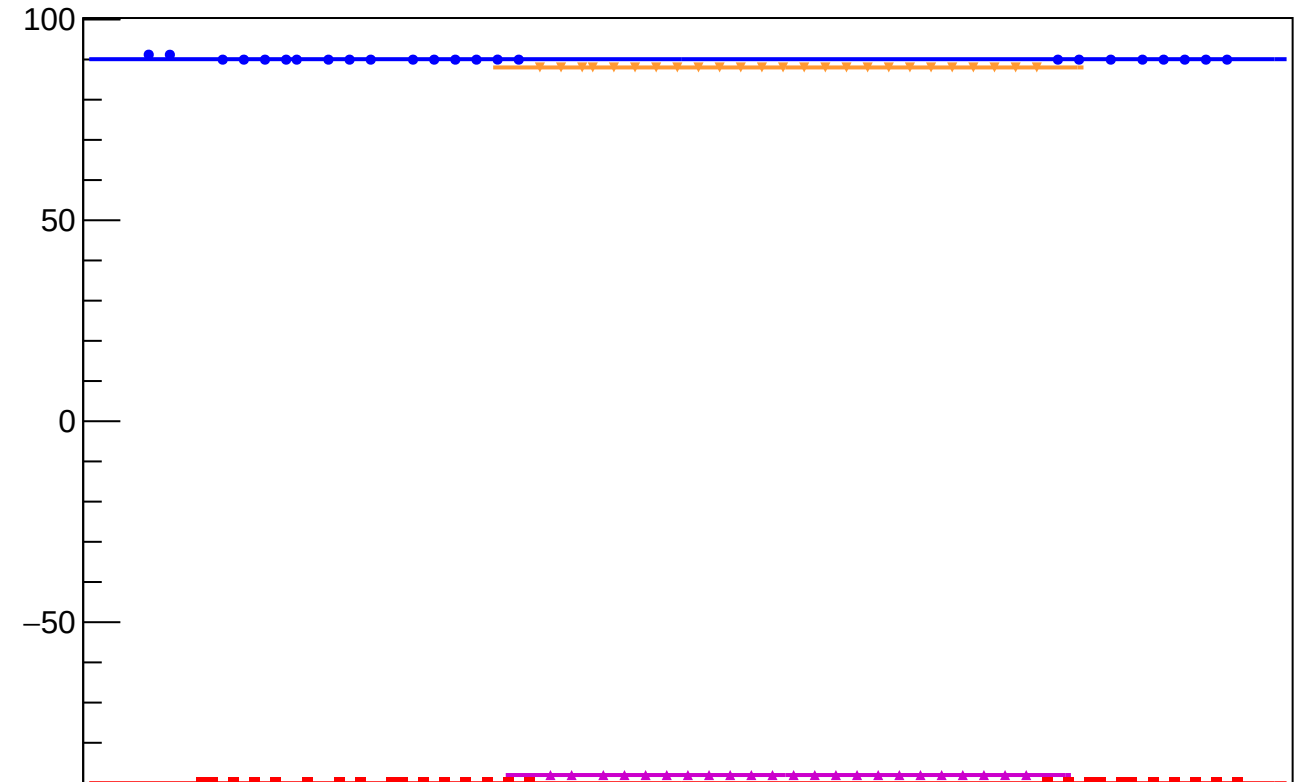
In: 5.145+/-0.000 χ^2/NDF:2754771976903657623

Out: -3.762+/-0.000 χ^2/NDF:3083308631883762 5

All: 0.475+/-0.000 χ^2/NDF: 5973689385979 5


psub_pl_pos_mean vs Slug, Sign Corrected
1500
1000
500
0
−500
−1000
−1500
100
120
140
160
180
200
Left: 41.929+/-0.000 χ²/NDF: 8449679330293095
Right In: 1485.480+/-0.000 χ²/NDF: 343073121954712924244360647176880128.0/23
Right: -91.932+/-0.000 χ²/NDF: 6354633793317870
Left Out: 1468.051+/-0.000 χ²/NDF:139558223587677068165594208010240.0/24
In: -241.306+/-0.000 χ²/NDF:6905763409930809
Right Out: -1447.145+/-0.000 χ²/NDF: 907460156026233173939969614720511508 48.0/29
Out: 189.712+/-0.000 χ²/NDF:761103584495967
Left In: -1467.994+/-0.000 χ²/NDF:155493808986096753755224539136.0/22
All: -15.295+/-0.000 χ²/NDF: 148343711564

Phi_FG_mean vs Slug, Sign Corrected



Right In: 90.076+/-0.000 χ^2/NDF: 175296496000963504618917605670912.0/23

Left Out: 88.021+/-0.000 χ^2/NDF:5113333.3/24

Right Out: -90.061+/-0.000 χ^2/NDF: 18211486598987186958037577367552O.0/29

Left In: -88.021+/-0.000 χ^2/NDF:7159272.4/22

Left: 2.512+/-0.000 χ^2/NDF: 303769885681723848

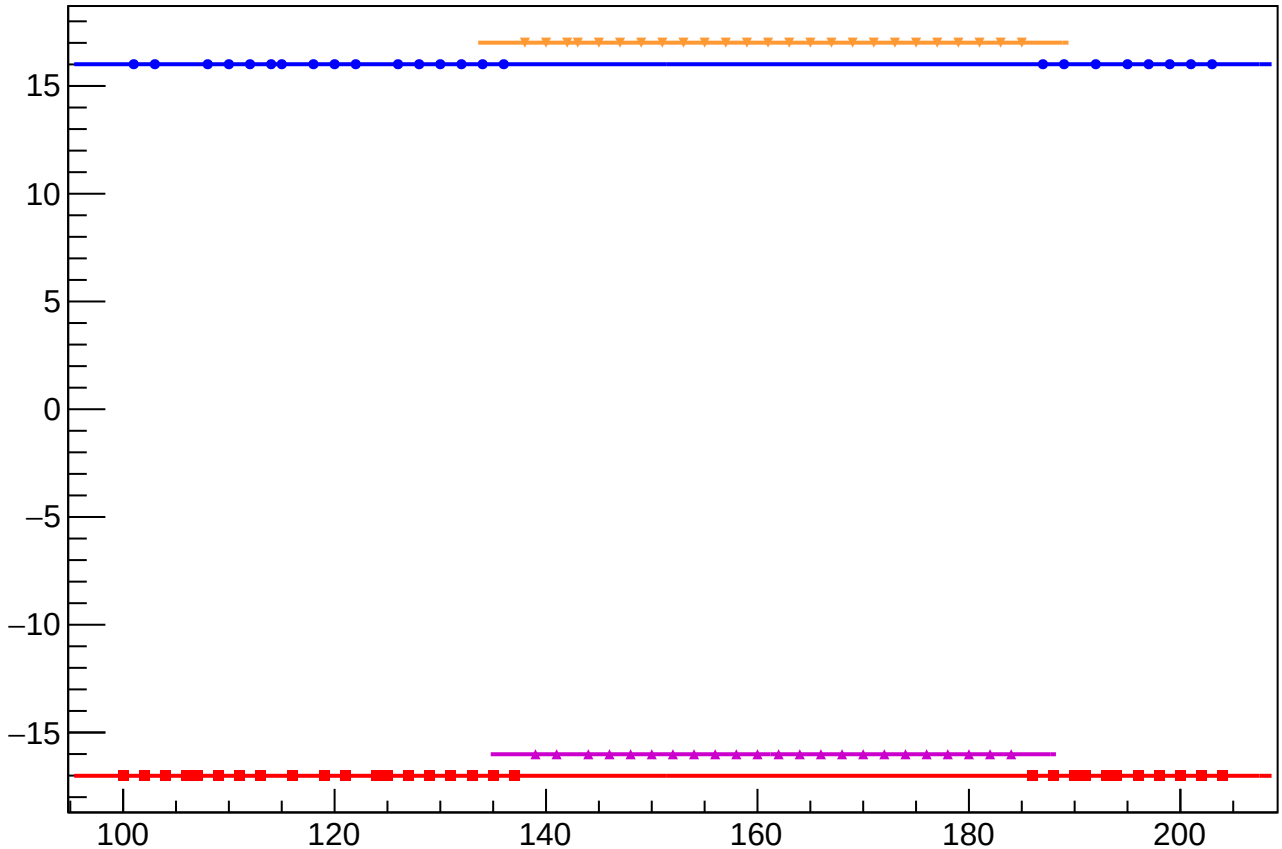
Right: -6.817+/-0.000 χ^2/NDF: 2363302136884394

In: -14.050+/-0.000 χ^2/NDF:25109572666713705

Out: 9.930+/-0.000 χ^2/NDF:280633632943327353

All: -1.476+/-0.000 χ^2/NDF: 5415599829376

IGL1I00DI24_24M_mean vs Slug, Sign Corrected



Left: 0.967+/-0.000 χ^2/NDF: 9915881080068676866

Right In: 16.009+/-0.000 χ^2/NDF: 1048222325092050985287680.0/23

Right: -1.618+/-0.000 χ^2/NDF: 7653615163186932

Left Out: 17.009+/-0.000 χ^2/NDF:279903456758836896737525760.0/24

In: -2.357+/-0.000 χ^2/NDF:773299715517618903

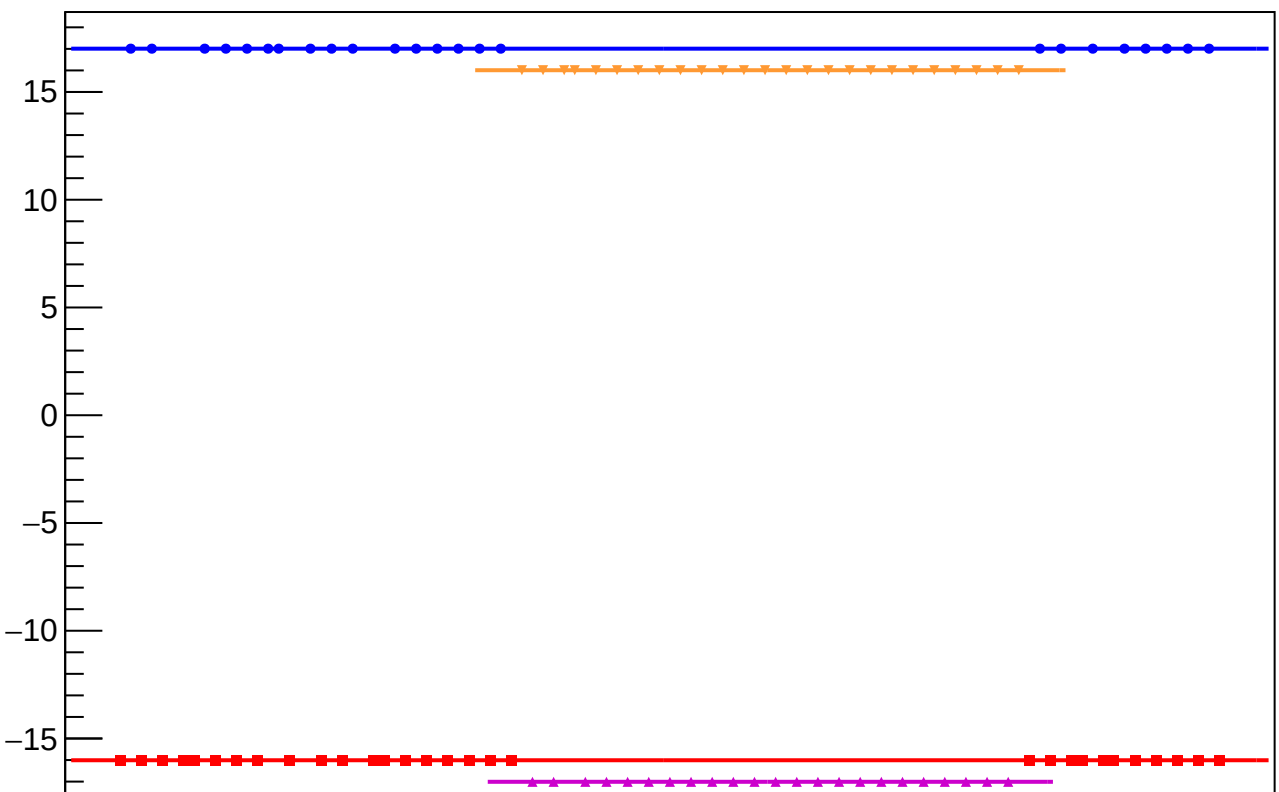
Right Out: -17.009+/-0.000 χ^2/NDF: 1898714366273343332758323 2.0/29

Out: 1.843+/-0.000 χ^2/NDF:965834947045180251

Left In: -16.009+/-0.000 χ^2/NDF:1246879121670635236884480.0/22

All: -0.161+/-0.000 χ^2/NDF: 1767568668755

IGL1I00OD16_16_mean vs Slug, Sign Corrected



Right In: 17.009+/-0.000 χ^2/NDF: 1048503625475611573616640.0/23

Left Out: 16.009+/-0.000 χ^2/NDF:2818892758481805649117184.0/24

Right Out: -16.009+/-0.000 χ^2/NDF: 414865.1/29

Left In: -17.009+/-0.000 χ^2/NDF:11100710442088156626944O.0/22

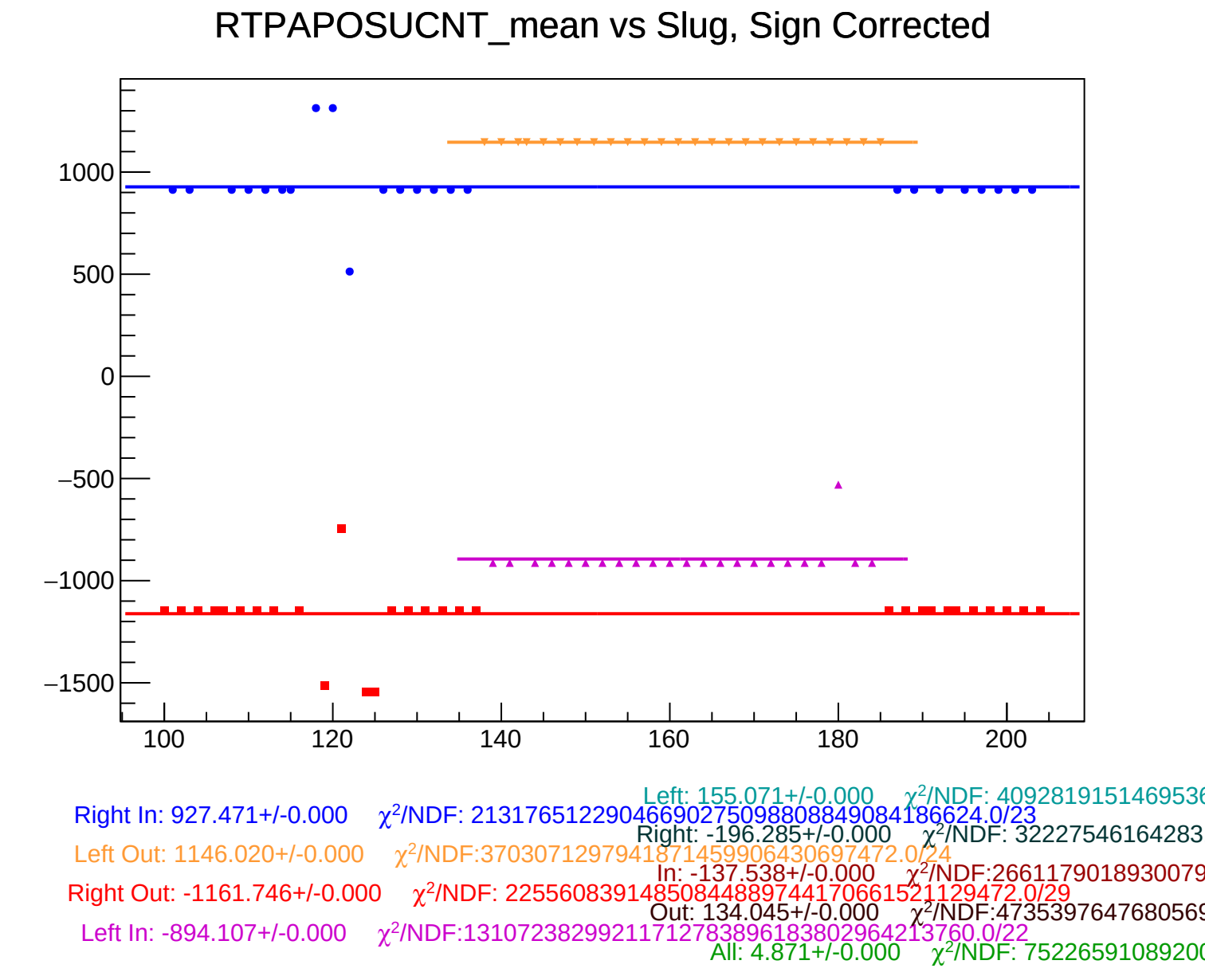
Left: 0.066+/-0.000 χ^2/NDF: 104866556030492975

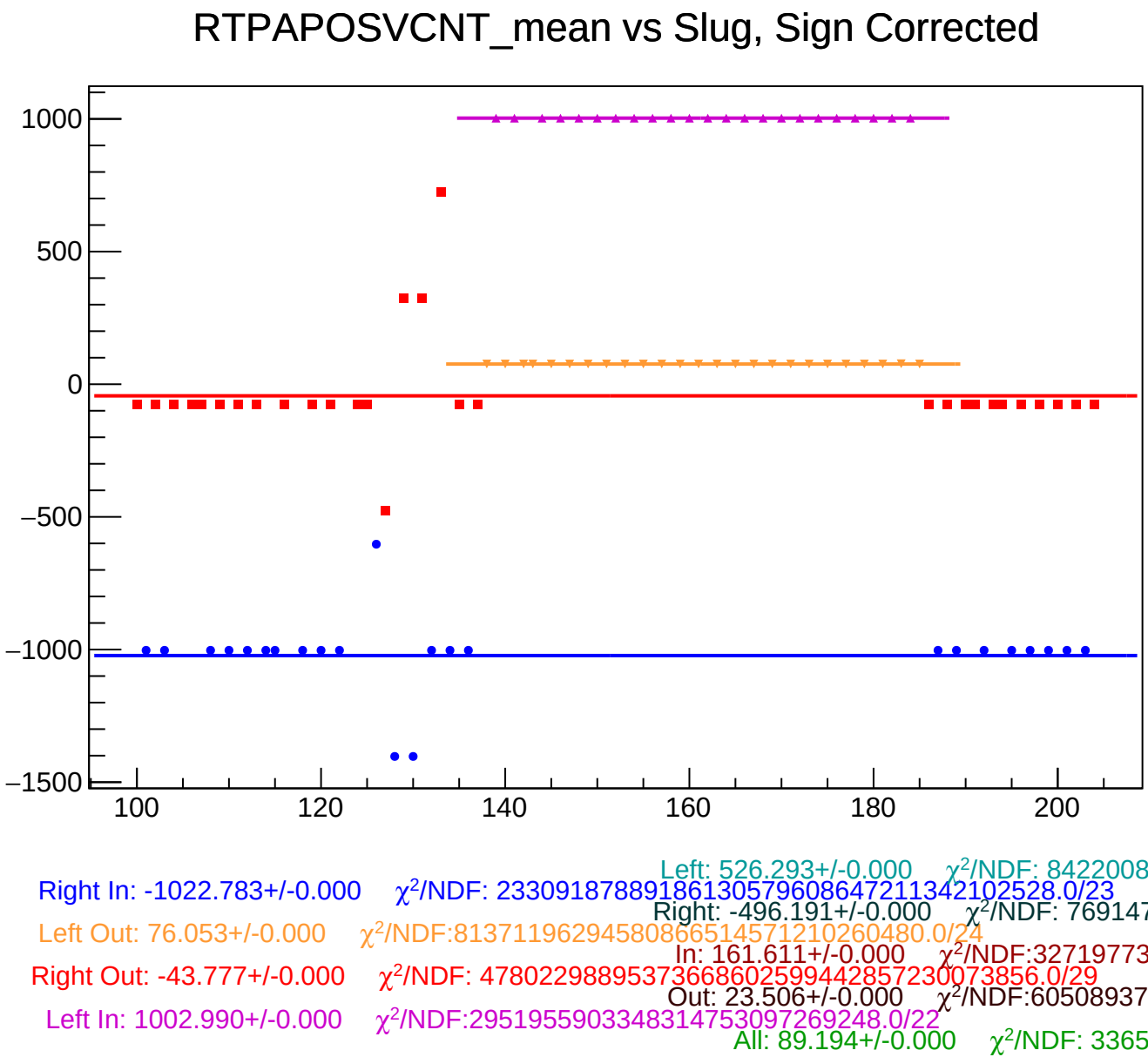
Right: -0.939+/-0.000 χ^2/NDF: 7822568558427892

In: -2.888+/-0.000 χ^2/NDF:893503700325257042

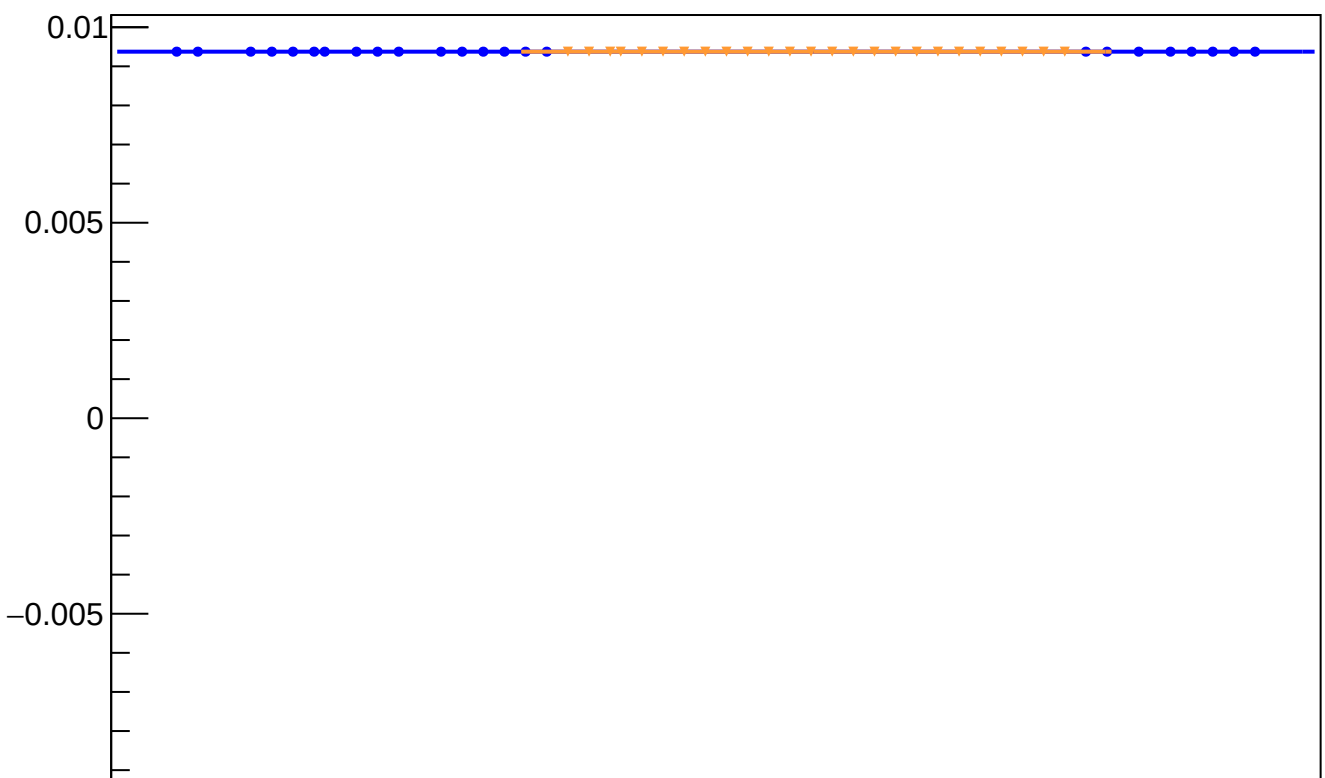
Out: 1.887+/-0.000 χ^2/NDF:900767512003478497

All: -0.365+/-0.000 χ^2/NDF: 1832588541545


RTPAPOSUCNT_mean vs Slug, Sign Corrected
1000
500
0
−500
−1000
−1500
100
120
140
160
180
200
Right In: 927.471+/-0.000 χ²/NDF: 213176512290466902750988088490841866624.0/23
Left Out: 1146.020+/-0.000 χ²/NDF:3703071297941871459906430697472.0/24
Right Out: -1161.746+/-0.000 χ²/NDF: 225560839148508448897441706615211294 72.0/29
Left In: -894.107+/-0.000 χ²/NDF:131072382992117127838961838029642137 60.0/22
Left: 155.071+/-0.000 χ²/NDF: 4092819151469536
Right: -196.285+/-0.000 χ²/NDF: 32227546164283
In: -137.538+/-0.000 χ²/NDF:2661179018930079
Out: 134.045+/-0.000 χ²/NDF:473539764768056
All: 4.871+/-0.000 χ²/NDF: 7522659108920


RTPAPOSVCNT_mean vs Slug, Sign Corrected
1000
500
0
−500
−1000
−1500
100
120
140
160
180
200
Right In: -1022.783+/-0.000 χ²/NDF: 233091878891861305796086472113421025280.0/23
Left Out: 76.053+/-0.000 χ²/NDF:8137119629458086651457121026048O.0/24
Right Out: -43.777+/-0.000 χ²/NDF: 4780229889537366860259944285723007385 6.0/29
Left In: 1002.990+/-0.000 χ²/NDF:29519559033483147530972692 48.0/22
Left: 526.293+/-0.000 χ²/NDF: 8422008663429018
Right: -496.191+/-0.000 χ²/NDF: 769147458898 45
In: 161.611+/-0.000 χ²/NDF:32719773882221618
Out: 23.506+/-0.000 χ²/NDF:605089373034600 27
All: 89.194+/-0.000 χ²/NDF: 3365089961092

RTPPITA1CNT_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 0.2/23

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: -0.009+/-0.000 χ^2/NDF: 0.2/29

Left In: -0.009+/-0.000 χ^2/NDF:0.1/22

Left: 0.000+/-0.000 χ^2/NDF: 344601849197246623

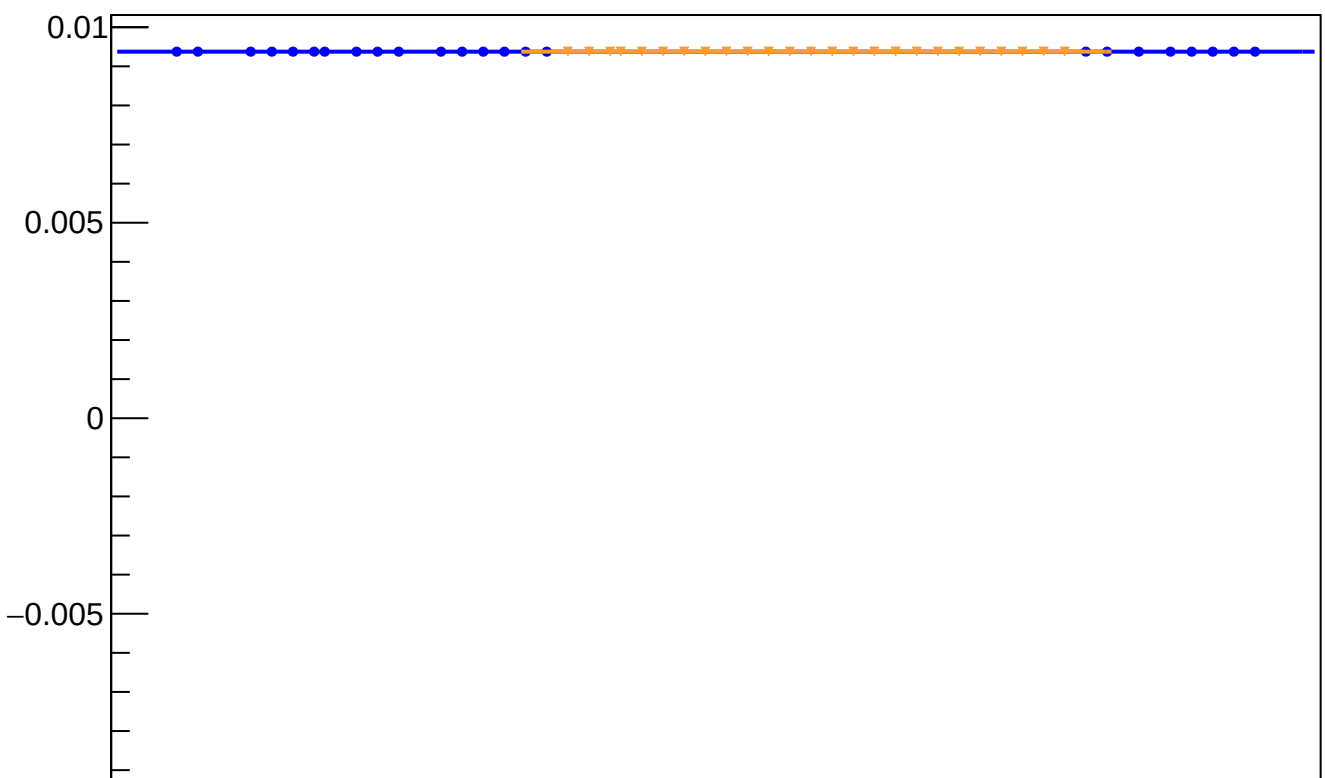
Right: -0.001+/-0.000 χ^2/NDF: 2560411689419790

In: -0.002+/-0.000 χ^2/NDF:278308521855827490

Out: 0.001+/-0.000 χ^2/NDF:311101314691151170

All: -0.000+/-0.000 χ^2/NDF: 6022471823023

RTPPITA2CNT_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 0.2/23

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: -0.009+/-0.000 χ^2/NDF: 0.2/29

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: 2560411689419790

In: -0.002+/-0.000 χ^2/NDF:278308521855827490

Out: 0.001+/-0.000 χ^2/NDF:311101314691151170

All: -0.000+/-0.000 χ^2/NDF: 6022471823023