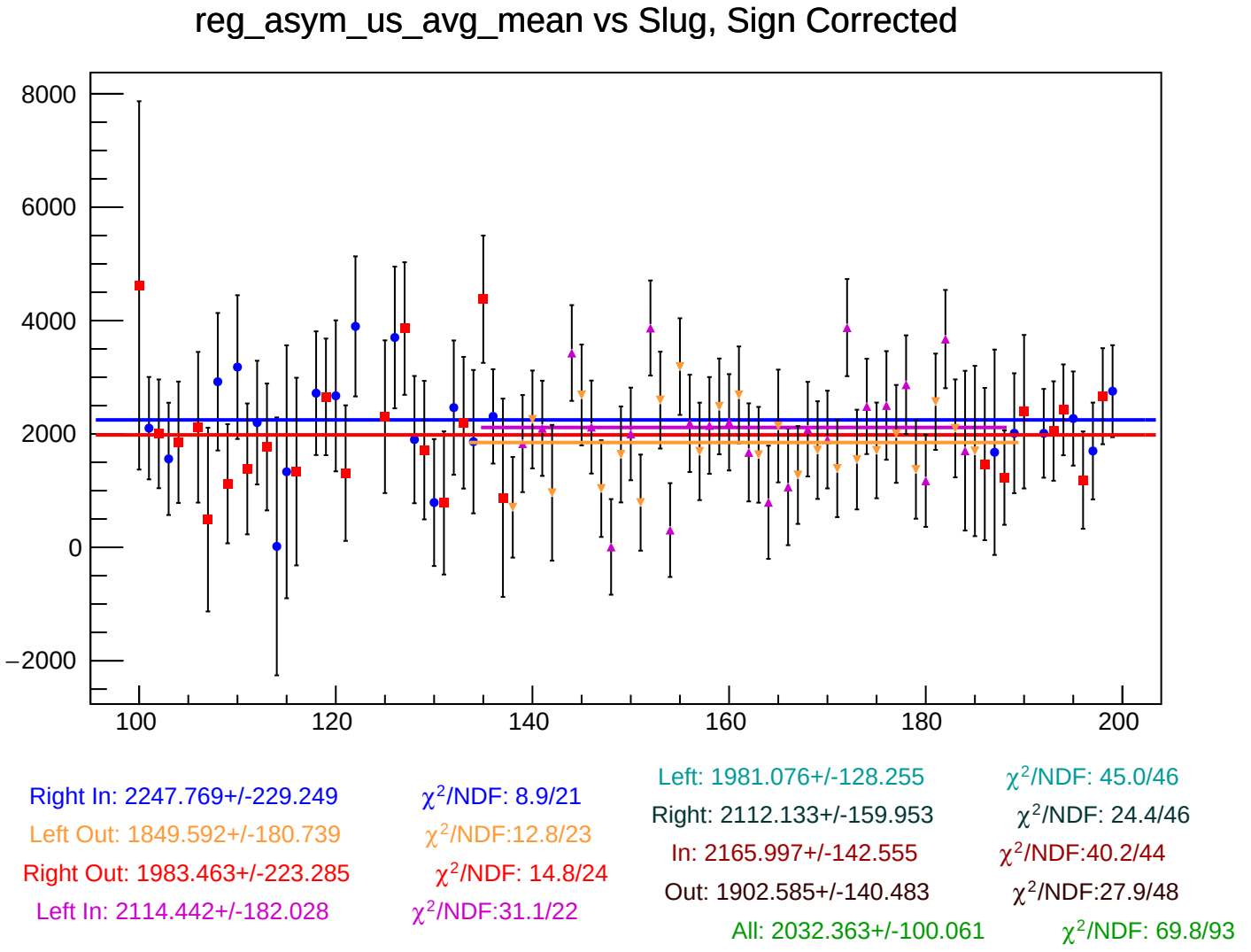
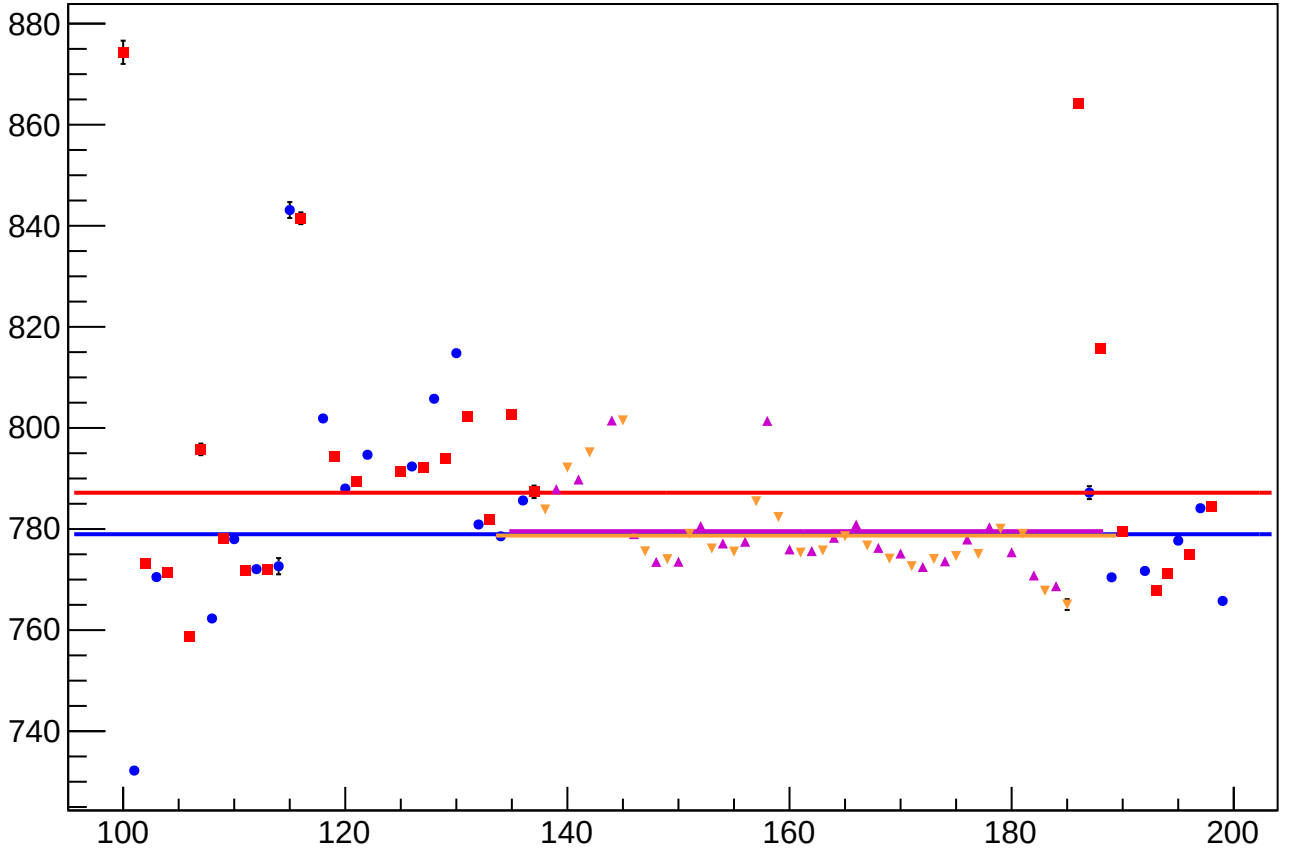

reg_asym_us_avg_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
100
120
140
160
180
200
Right In: 2247.769+/-229.249
χ²/NDF: 8.9/21
Left Out: 1849.592+/-180.739
χ²/NDF:12.8/23
Right Out: 1983.463+/-223.285
χ²/NDF: 14.8/24
Left In: 2114.442+/-182.028
χ²/NDF:31.1/22
Left: 1981.076+/-128.255
χ²/NDF: 45.0/46
Right: 2112.133+/-159.953
χ²/NDF: 24.4/46
In: 2165.997+/-142.555
χ²/NDF:40.2/44
Out: 1902.585+/-140.483
χ²/NDF:27.9/48
All: 2032.363+/-100.061
χ²/NDF: 69.8/93

reg_asym_us_avg_rms vs Slug, Sign Corrected



Right In: 778.973+/-0.162 χ^2/NDF: 13439.3/21

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

Right Out: 787.186+/-0.158 χ^2/NDF: 18427.6/24

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

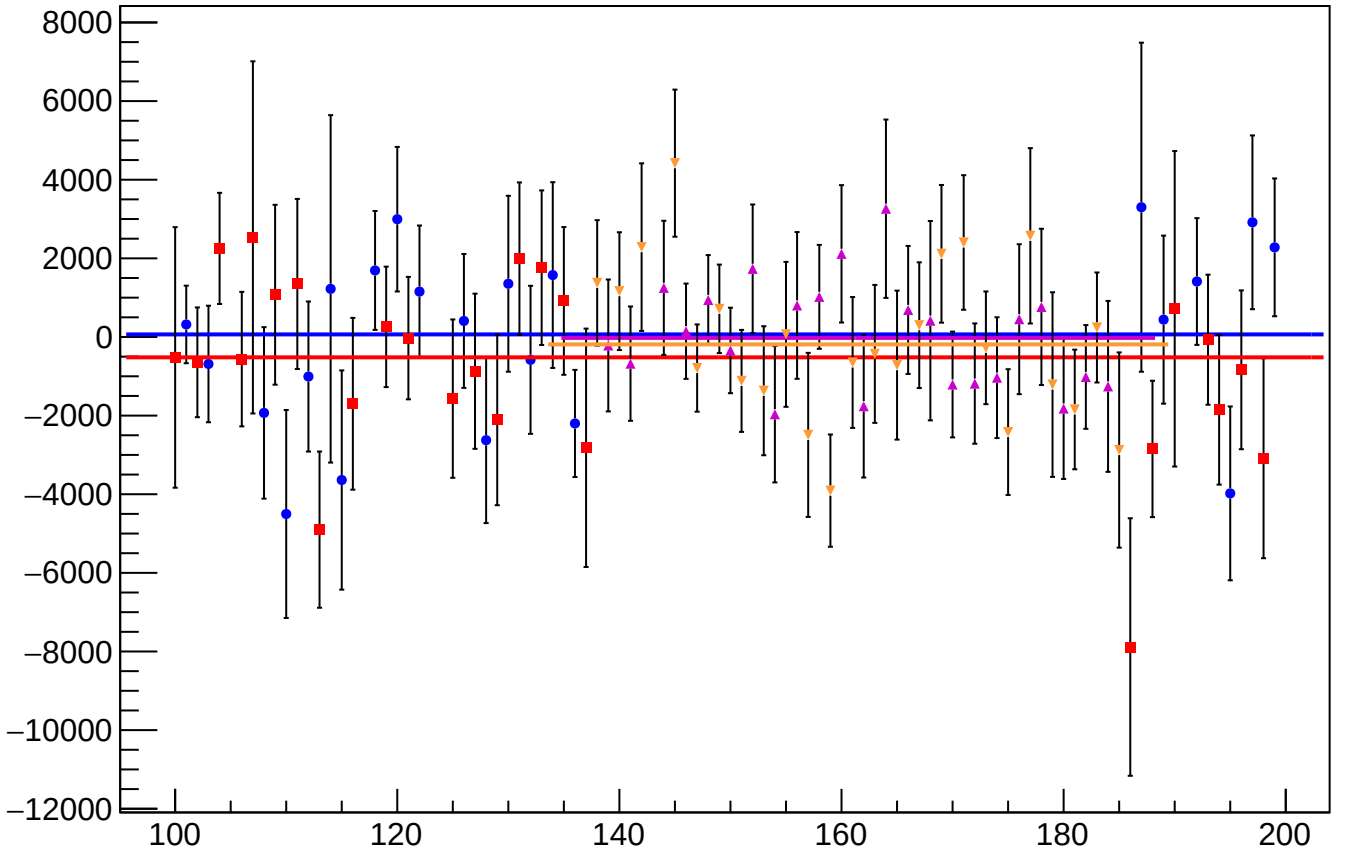
Left: 779.138+/-0.091 χ^2/NDF: 7585.5/46

Right: 783.188+/-0.113 χ^2/NDF: 33184.4/46

In: 779.342+/-0.101 χ^2/NDF:17620.7/44

Out: 782.064+/-0.099 χ^2/NDF:23559.3/48

All: 780.723+/-0.071 χ^2/NDF: 41550.0/93



Right In: 65.239+/-390.945 χ^2/NDF: 23.6/21

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

Right Out: -518.038+/-396.425 χ^2/NDF: 24.6/24

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

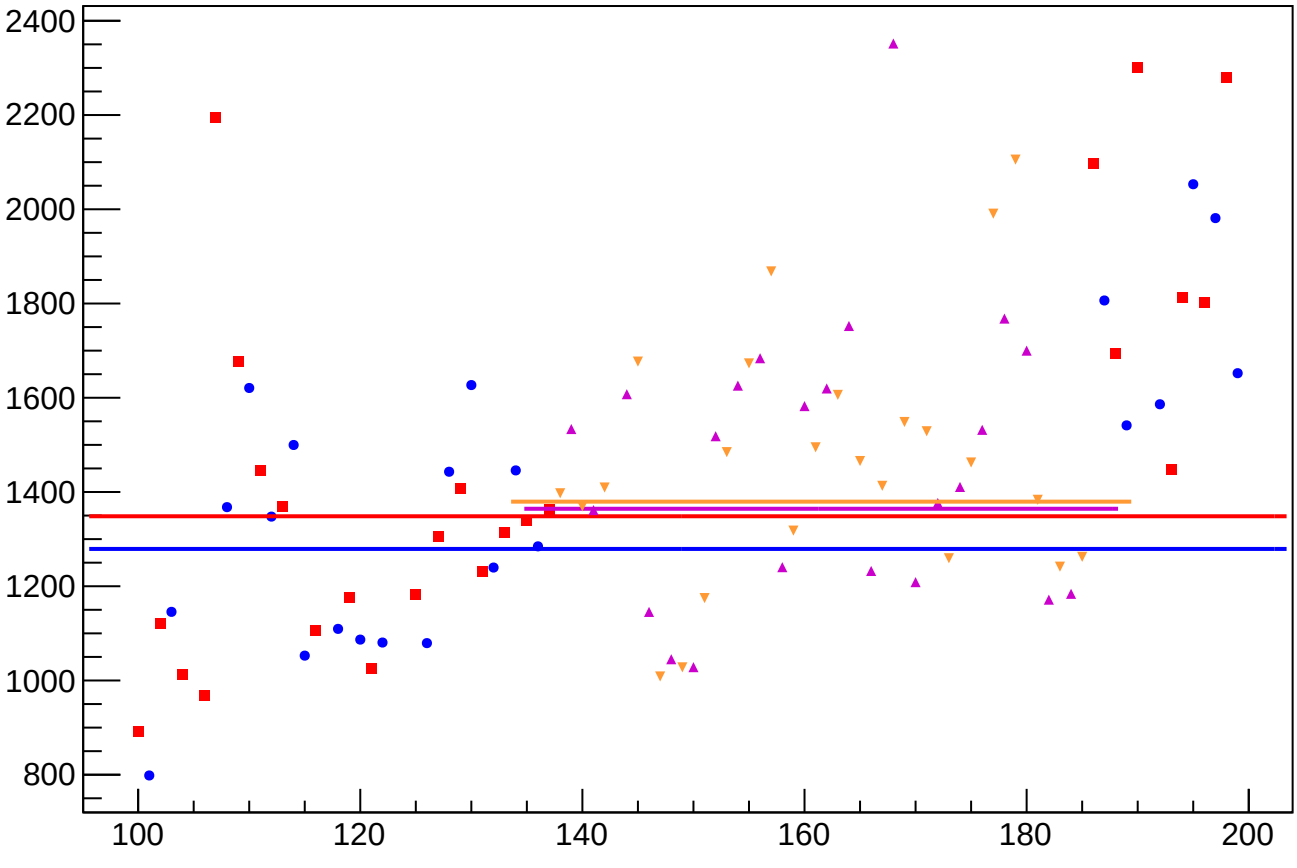
Left: -105.906+/-231.038 χ^2/NDF: 43.2/46

Right: -222.340+/-278.357 χ^2/NDF: 49.4/46

In: 12.724+/-250.287 χ^2/NDF:37.1/44

Out: -322.561+/-252.564 χ^2/NDF:54.7/48

All: -153.400+/-177.779 χ^2/NDF: 92.7/93



Right In: 1279.180+/-0.276 χ^2/NDF: 1394844.8/21

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

Right Out: 1348.510+/-0.280 χ^2/NDF: 1372271.2/24

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

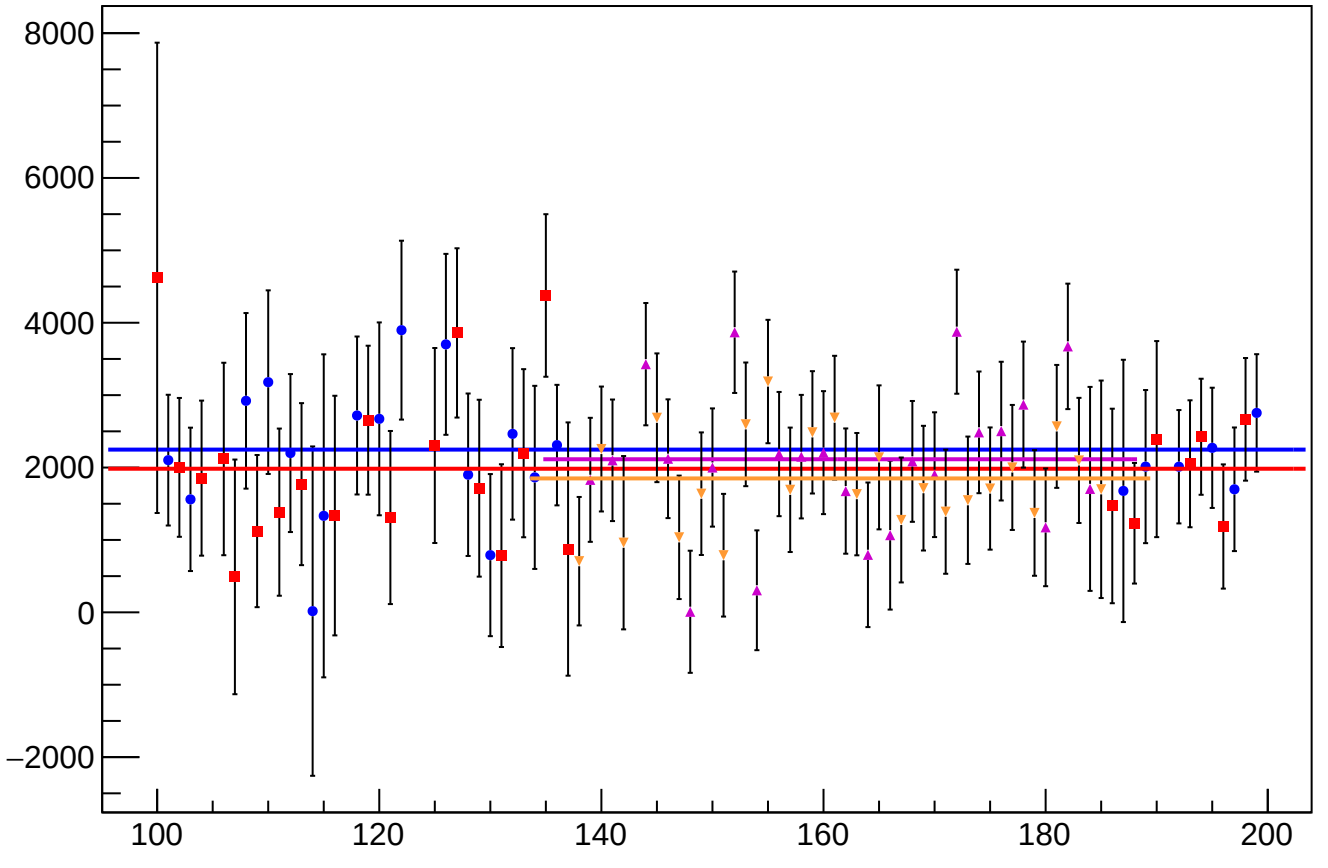
Left: 1371.931+/-0.163 χ^2/NDF: 2472910.6/46

Right: 1313.362+/-0.197 χ^2/NDF: 2798127.6/46

In: 1329.478+/-0.177 χ^2/NDF:2763243.1/44

Out: 1366.942+/-0.179 χ^2/NDF:2538017.8/48

All: 1348.041+/-0.126 χ^2/NDF: 5323463.9/93



Right In: 2247.769+/-229.249 χ^2/NDF: 8.9/21

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

Right Out: 1983.463+/-223.285 χ^2/NDF: 14.8/24

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

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

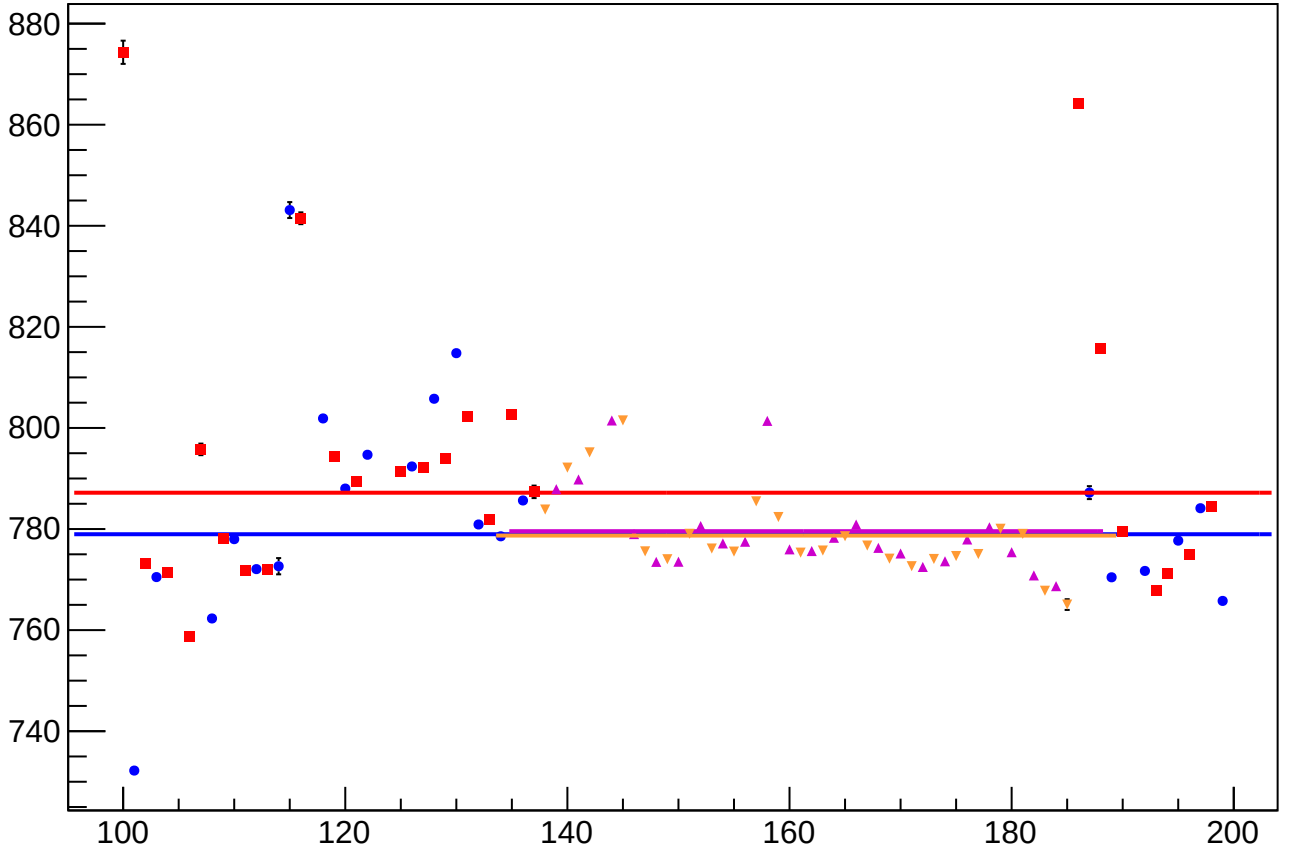
Right: 2112.133+/-159.953 χ^2/NDF: 24.4/46

In: 2165.997+/-142.555 χ^2/NDF:40.2/44

Out: 1902.585+/-140.483 χ^2/NDF:27.9/48

All: 2032.363+/-100.061 χ^2/NDF: 69.8/93

cor_asym_us_avg_rms vs Slug, Sign Corrected



Right In: 778.973+/-0.162 χ^2/NDF: 13439.3/21

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

Right Out: 787.186+/-0.158 χ^2/NDF: 18427.6/24

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

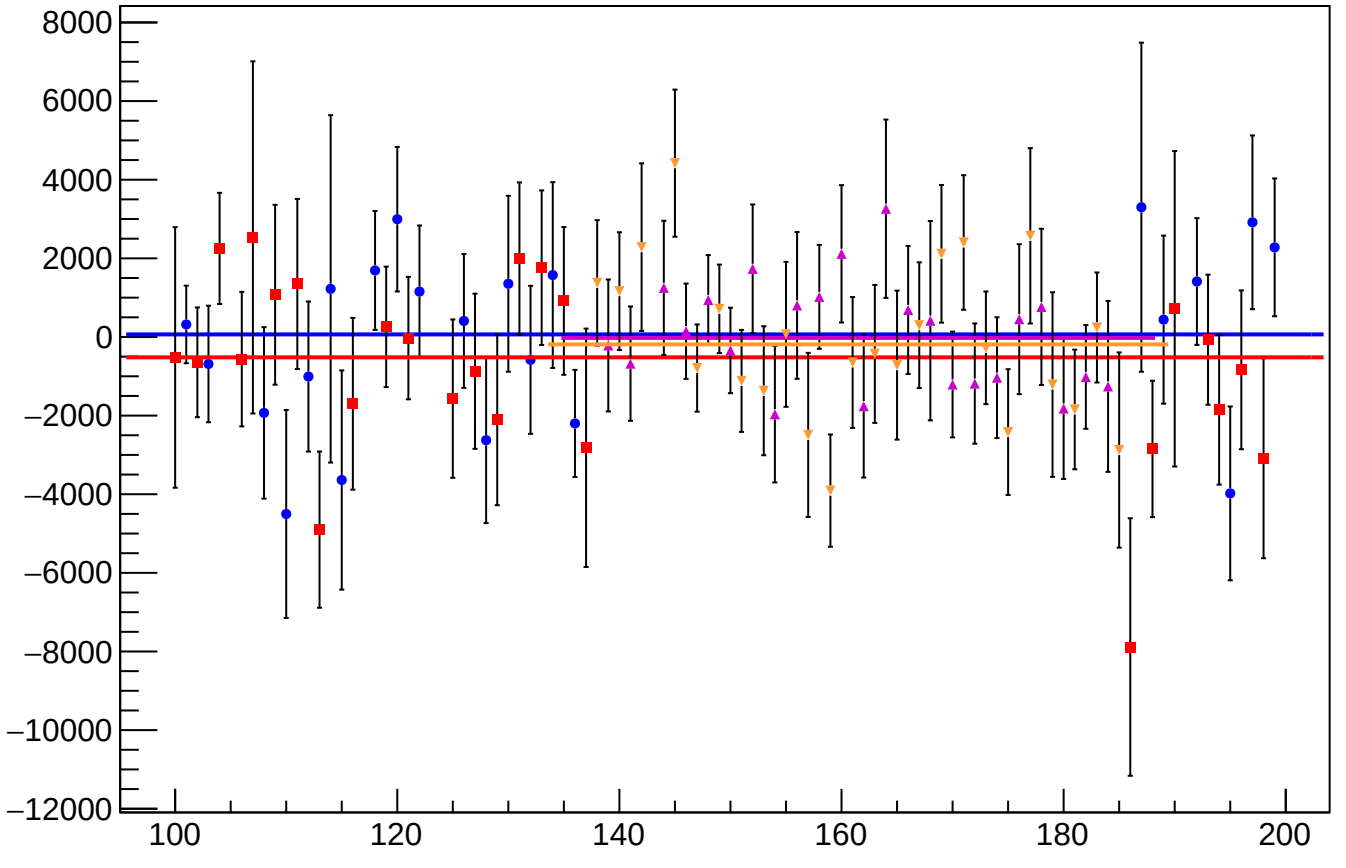
Left: 779.138+/-0.091 χ^2/NDF: 7585.5/46

Right: 783.188+/-0.113 χ^2/NDF: 33184.4/46

In: 779.342+/-0.101 χ^2/NDF:17620.7/44

Out: 782.064+/-0.099 χ^2/NDF:23559.3/48

All: 780.723+/-0.071 χ^2/NDF: 41550.0/93



Right In: 65.239+/-390.945 χ^2/NDF: 23.6/21

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

Right Out: -518.038+/-396.425 χ^2/NDF: 24.6/24

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

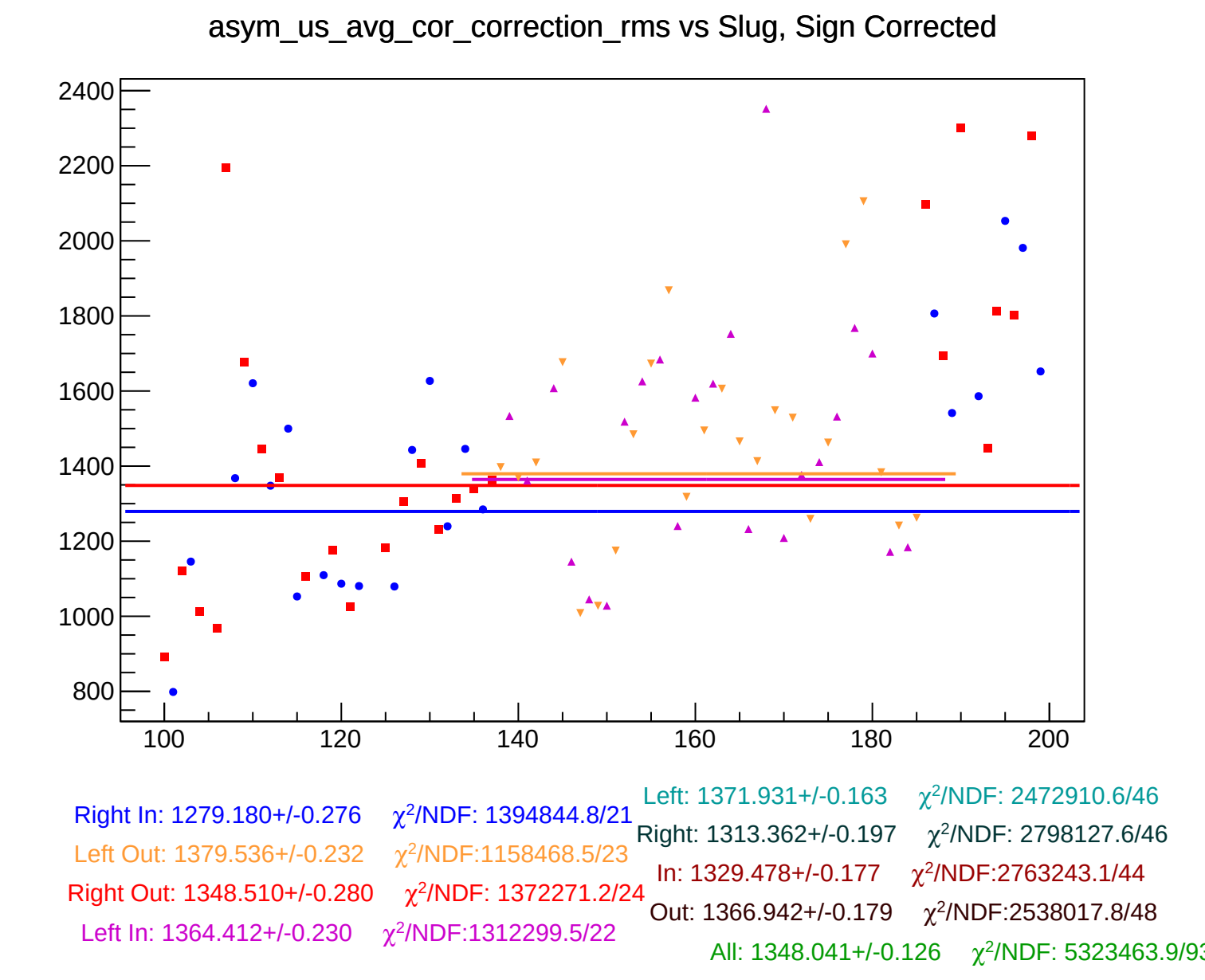
Left: -105.906+/-231.038 χ^2/NDF: 43.2/46

Right: -222.340+/-278.357 χ^2/NDF: 49.4/46

In: 12.724+/-250.287 χ^2/NDF:37.1/44

Out: -322.561+/-252.564 χ^2/NDF:54.7/48

All: -153.400+/-177.779 χ^2/NDF: 92.7/93


asym_us_avg_cor_correction_rms vs Slug, Sign Corrected
2400
2200
2000
1800
1600
1400
1200
1000
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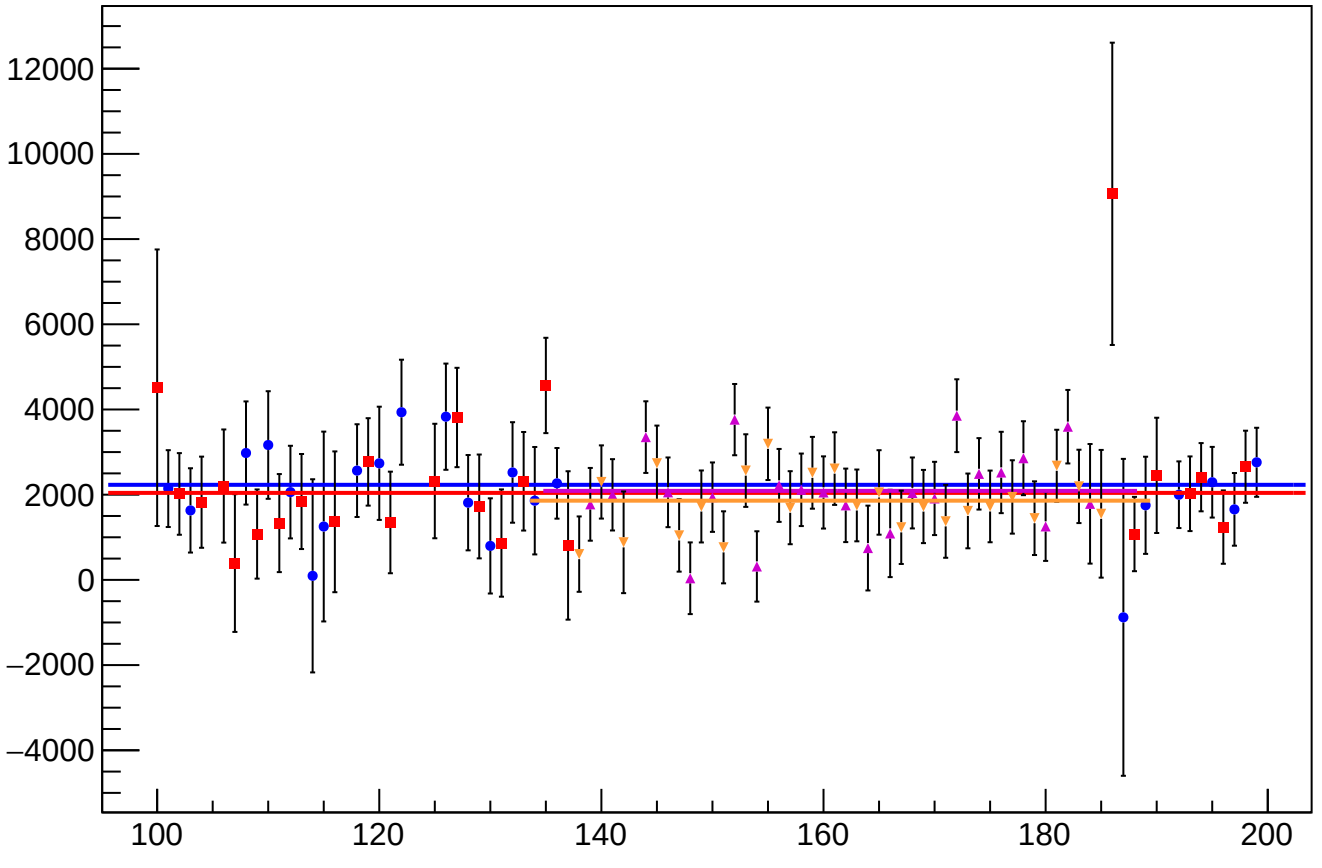
120
140
160
180
200
Right In: 1279.180+/-0.276 χ²/NDF: 1394844.8/21
Left Out: 1379.536+/-0.232 χ²/NDF:1158468.5/23
Right Out: 1348.510+/-0.280 χ²/NDF: 1372271.2/24
Left In: 1364.412+/-0.230 χ²/NDF:1312299.5/22
Left: 1371.931+/-0.163 χ²/NDF: 2472910.6/46
Right: 1313.362+/-0.197 χ²/NDF: 2798127.6/46
In: 1329.478+/-0.177 χ²/NDF:2763243.1/44
Out: 1366.942+/-0.179 χ²/NDF:2538017.8/48
All: 1348.041+/-0.126 χ²/NDF: 5323463.9/93



Right In: 2231.566+/-231.005 χ^2/NDF: 10.0/21

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

Right Out: 2042.038+/-226.386 χ^2/NDF: 19.7/24

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

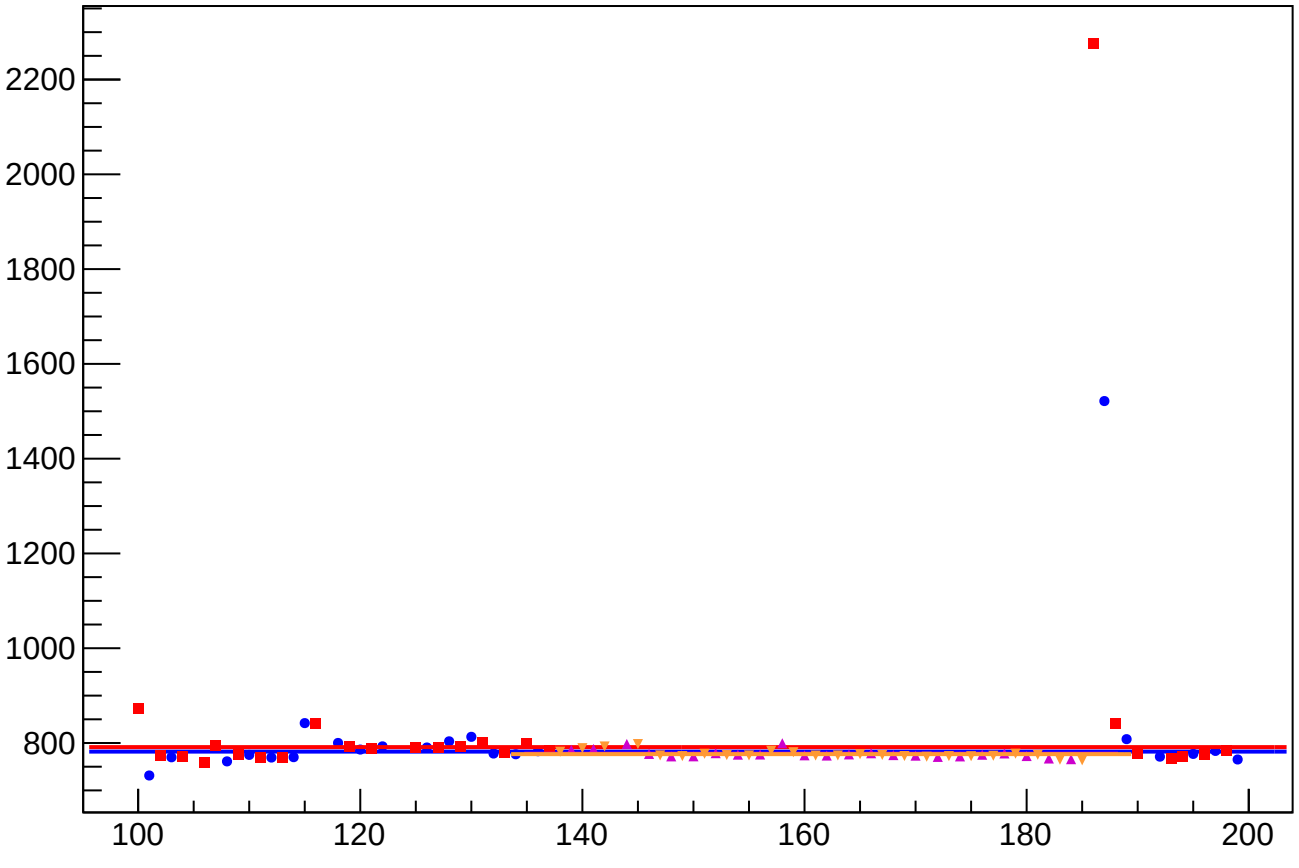
Left: 1973.689+/-127.897 χ^2/NDF: 43.9/46

Right: 2134.889+/-161.688 χ^2/NDF: 30.1/46

In: 2143.729+/-142.729 χ^2/NDF:39.8/44

Out: 1930.330+/-141.003 χ^2/NDF:33.6/48

All: 2035.731+/-100.309 χ^2/NDF: 74.6/93



Right In: 781.870+/-0.163 χ^2/NDF: 93606.9/21

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

Right Out: 791.332+/-0.160 χ^2/NDF: 368798.4/24

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

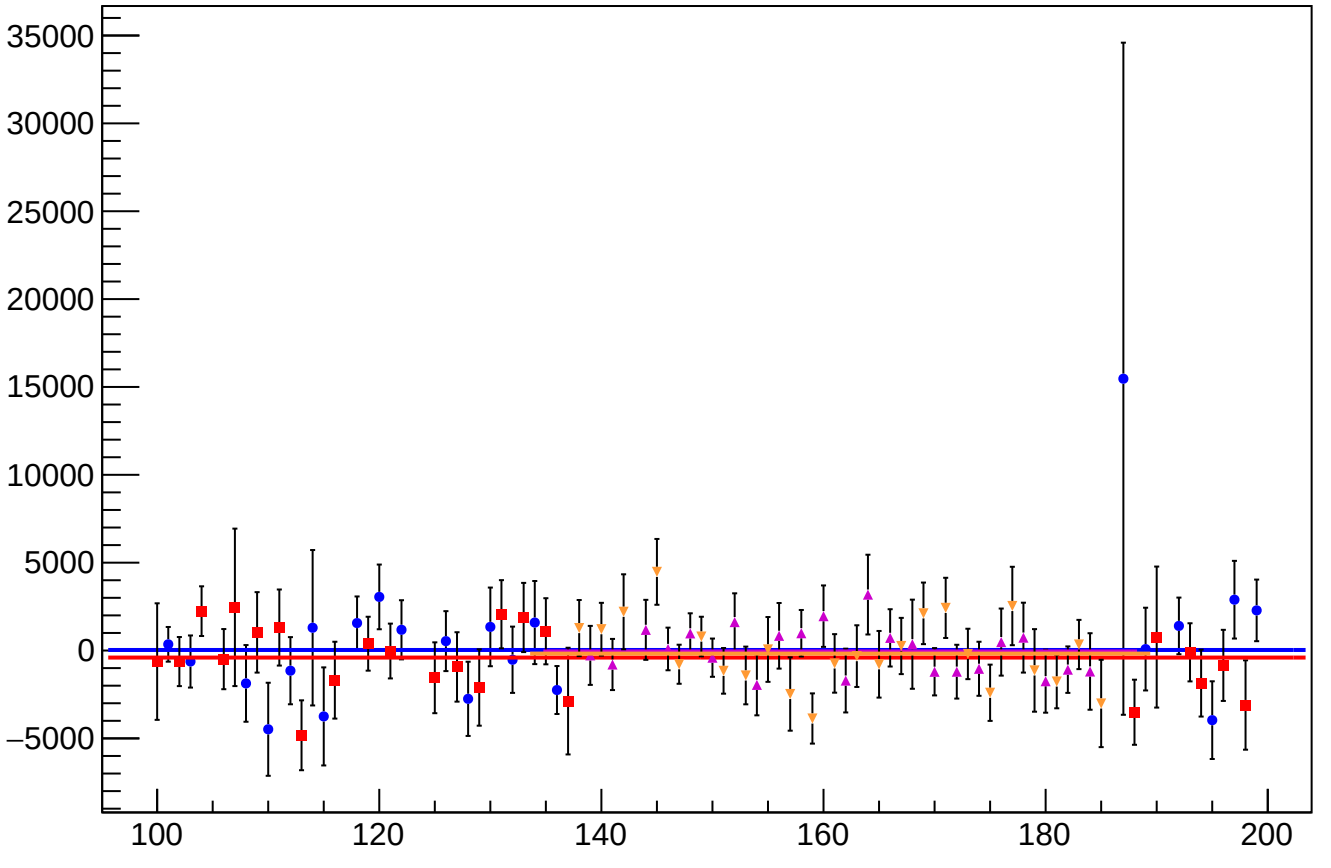
Left: 776.965+/-0.090 χ^2/NDF: 7223.5/46

Right: 786.696+/-0.114 χ^2/NDF: 464117.1/46

In: 779.114+/-0.101 χ^2/NDF:98129.3/44

Out: 782.268+/-0.100 χ^2/NDF:377173.9/48

All: 780.710+/-0.071 χ^2/NDF: 475797.3/93



Right In: 31.718+/-394.078 χ^2/NDF: 23.9/21

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

Right Out: -400.395+/-400.980 χ^2/NDF: 20.5/23

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

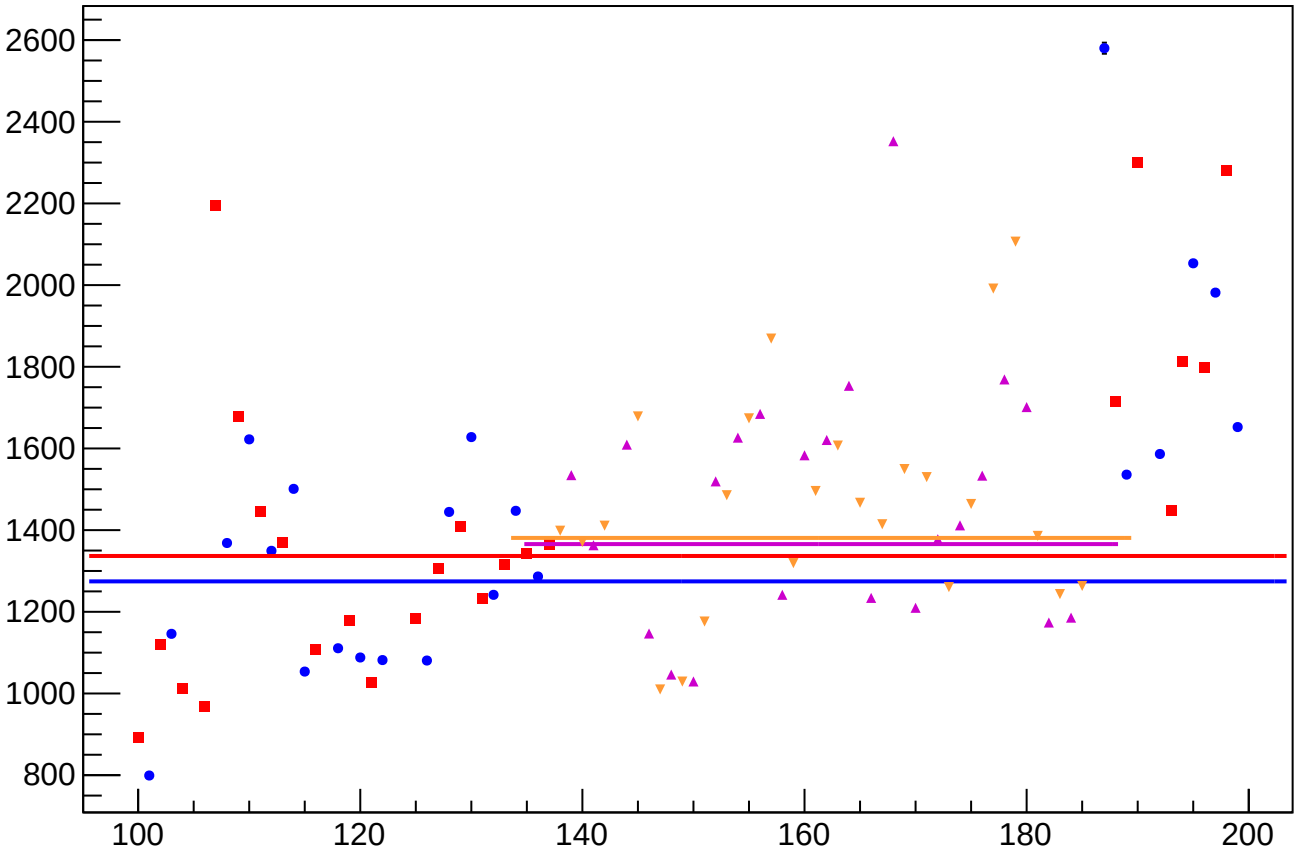
Left: -113.528+/-231.262 χ^2/NDF: 42.7/46

Right: -180.587+/-281.064 χ^2/NDF: 45.0/45

In: -18.457+/-251.247 χ^2/NDF:36.9/44

Out: -265.313+/-253.877 χ^2/NDF:50.3/47

All: -140.600+/-178.581 χ^2/NDF: 87.7/92



Right In: 1274.500+/-0.279 χ^2/NDF: 1362924.5/21

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

Right Out: 1336.726+/-0.284 χ^2/NDF: 1259044.7/23

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

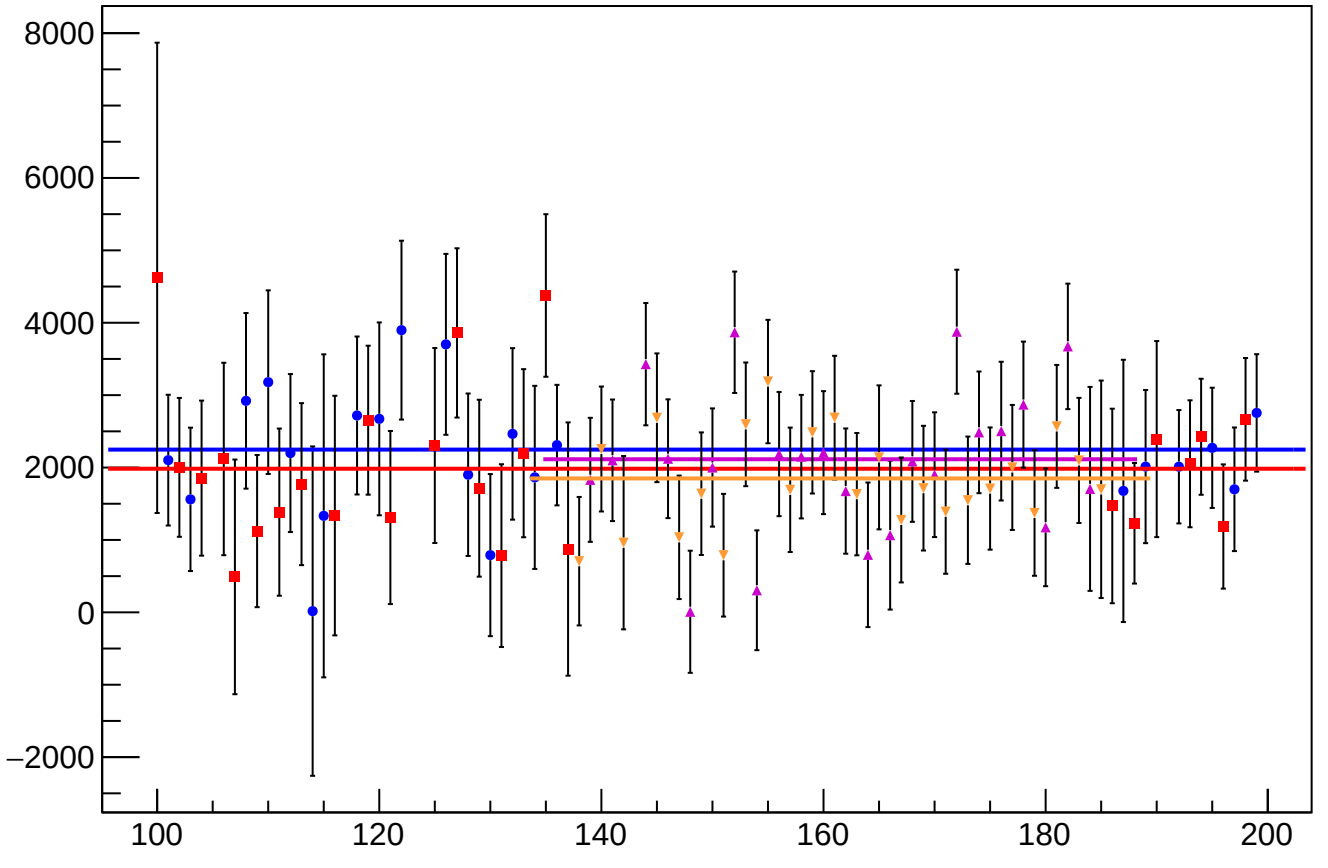
Left: 1373.338+/-0.164 χ^2/NDF: 2466443.3/46

Right: 1305.073+/-0.199 χ^2/NDF: 2646469.1/45

In: 1328.695+/-0.178 χ^2/NDF:2735517.5/44

Out: 1363.223+/-0.180 χ^2/NDF:2429059.6/47

All: 1345.779+/-0.126 χ^2/NDF: 5183266.4/92



Right In: 2247.769+/-229.249 χ^2/NDF: 8.9/21

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

Right Out: 1983.463+/-223.285 χ^2/NDF: 14.8/24

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

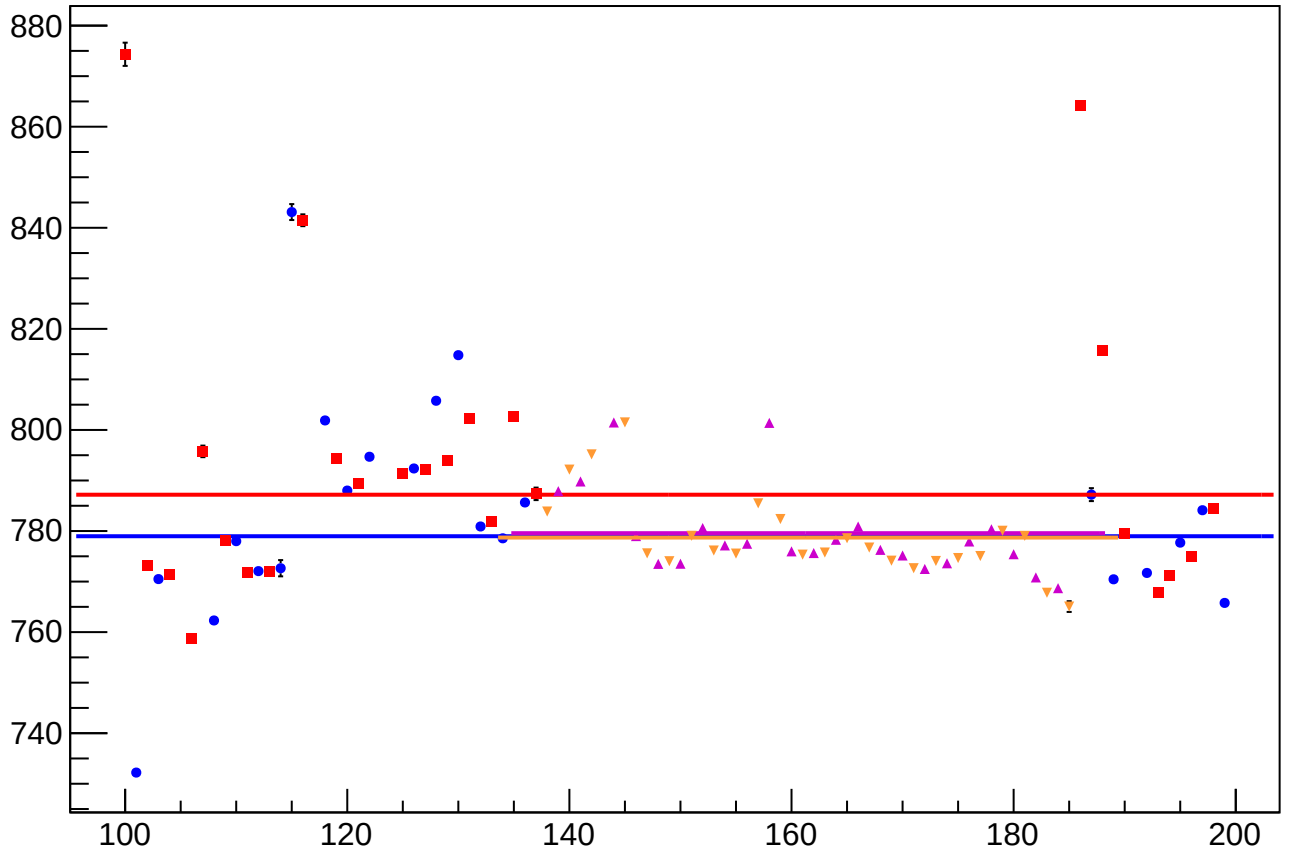
Left: 1981.076+/-128.255 χ^2/NDF: 45.0/46

Right: 2112.133+/-159.953 χ^2/NDF: 24.4/46

In: 2165.997+/-142.555 χ^2/NDF:40.2/44

Out: 1902.585+/-140.483 χ^2/NDF:27.9/48

All: 2032.363+/-100.061 χ^2/NDF: 69.8/93



Right In: 778.973+/-0.162 χ^2/NDF: 13439.3/21

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

Right Out: 787.186+/-0.158 χ^2/NDF: 18427.6/24

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

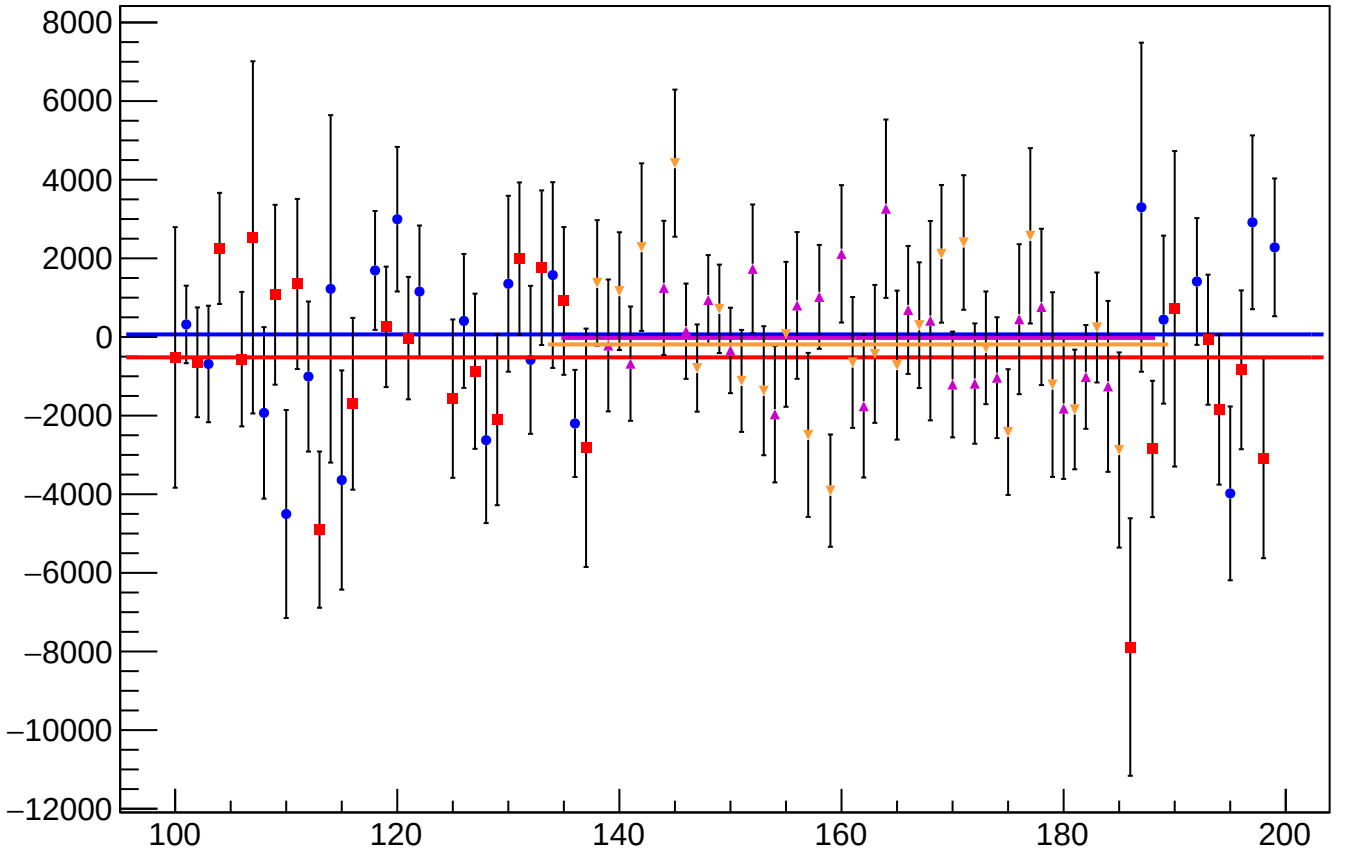
Left: 779.138+/-0.091 χ^2/NDF: 7585.5/46

Right: 783.188+/-0.113 χ^2/NDF: 33184.4/46

In: 779.342+/-0.101 χ^2/NDF:17620.7/44

Out: 782.064+/-0.099 χ^2/NDF:23559.3/48

All: 780.723+/-0.071 χ^2/NDF: 41550.0/93



Right In: 65.239+/-390.945 χ^2/NDF: 23.6/21

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

Right Out: -518.038+/-396.425 χ^2/NDF: 24.6/24

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

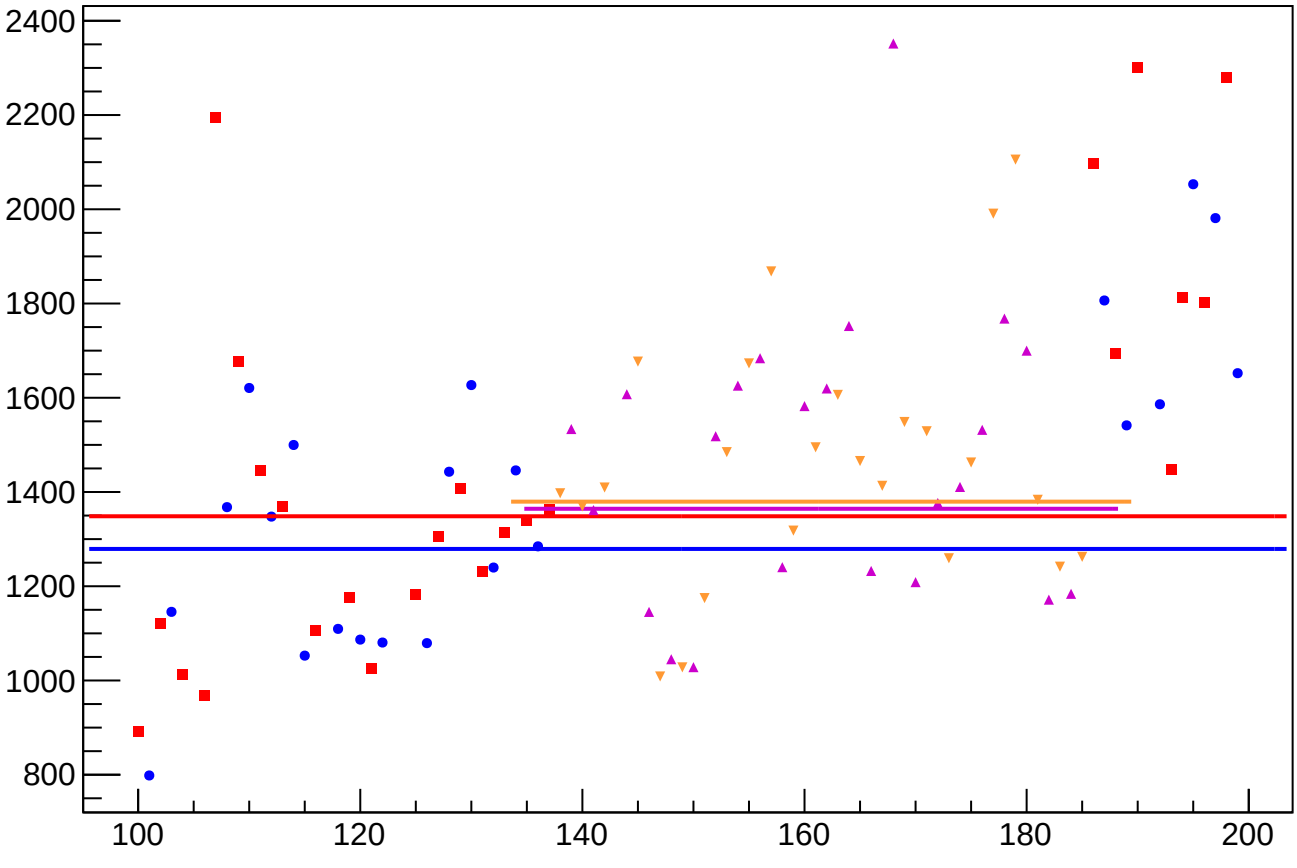
Left: -105.906+/-231.038 χ^2/NDF: 43.2/46

Right: -222.340+/-278.357 χ^2/NDF: 49.4/46

In: 12.724+/-250.287 χ^2/NDF:37.1/44

Out: -322.561+/-252.564 χ^2/NDF:54.7/48

All: -153.400+/-177.779 χ^2/NDF: 92.7/93



Right In: 1279.180+/-0.276 χ^2/NDF: 1394844.8/21

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

Right Out: 1348.510+/-0.280 χ^2/NDF: 1372271.2/24

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

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

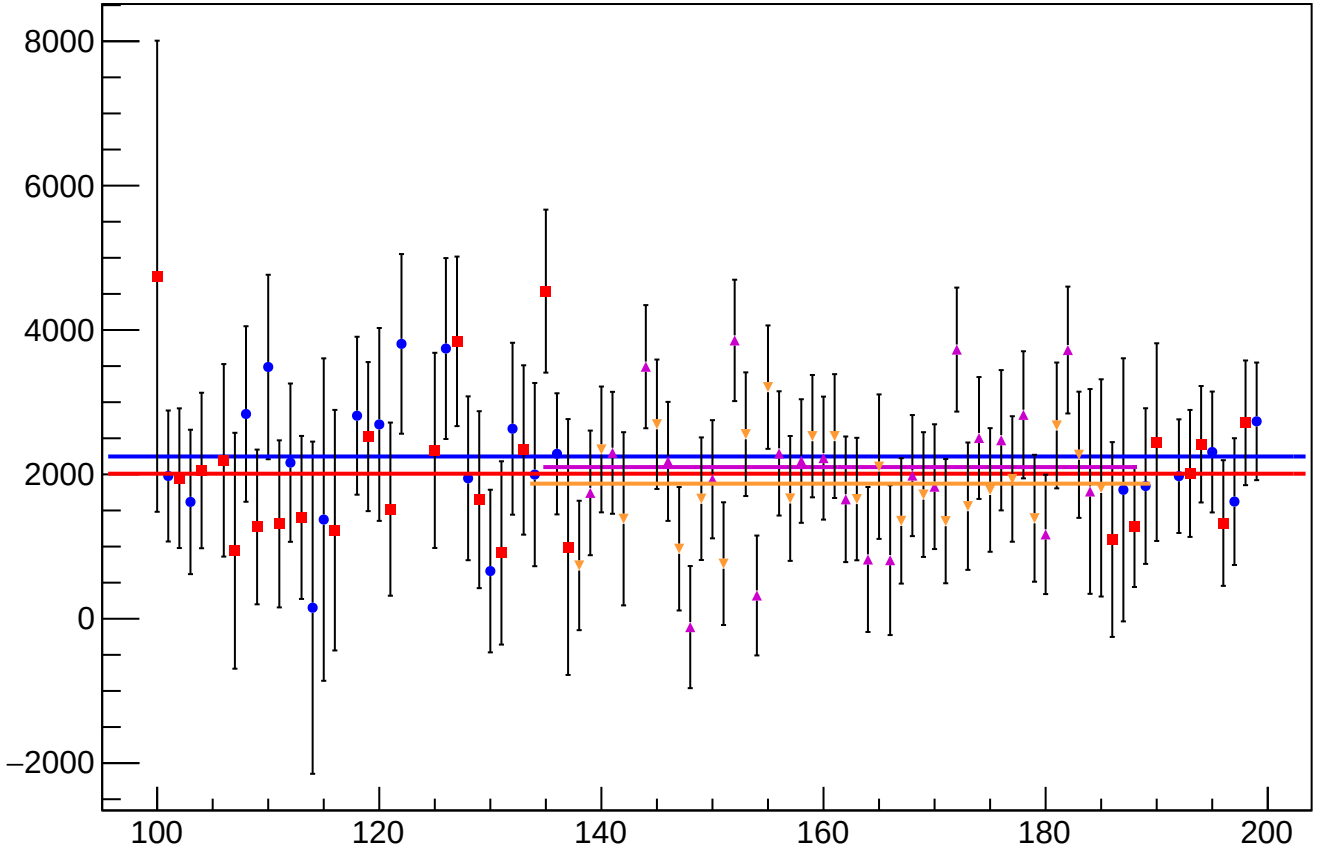
Right: 1313.362+/-0.197 χ^2/NDF: 2798127.6/46

In: 1329.478+/-0.177 χ^2/NDF:2763243.1/44

Out: 1366.942+/-0.179 χ^2/NDF:2538017.8/48

All: 1348.041+/-0.126 χ^2/NDF: 5323463.9/93

dit_asym_us_avg_mean vs Slug, Sign Corrected



Right In: 2247.886+/-231.126 χ^2/NDF: 9.4/21

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

Right Out: 2009.278+/-225.012 χ^2/NDF: 14.5/24

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

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

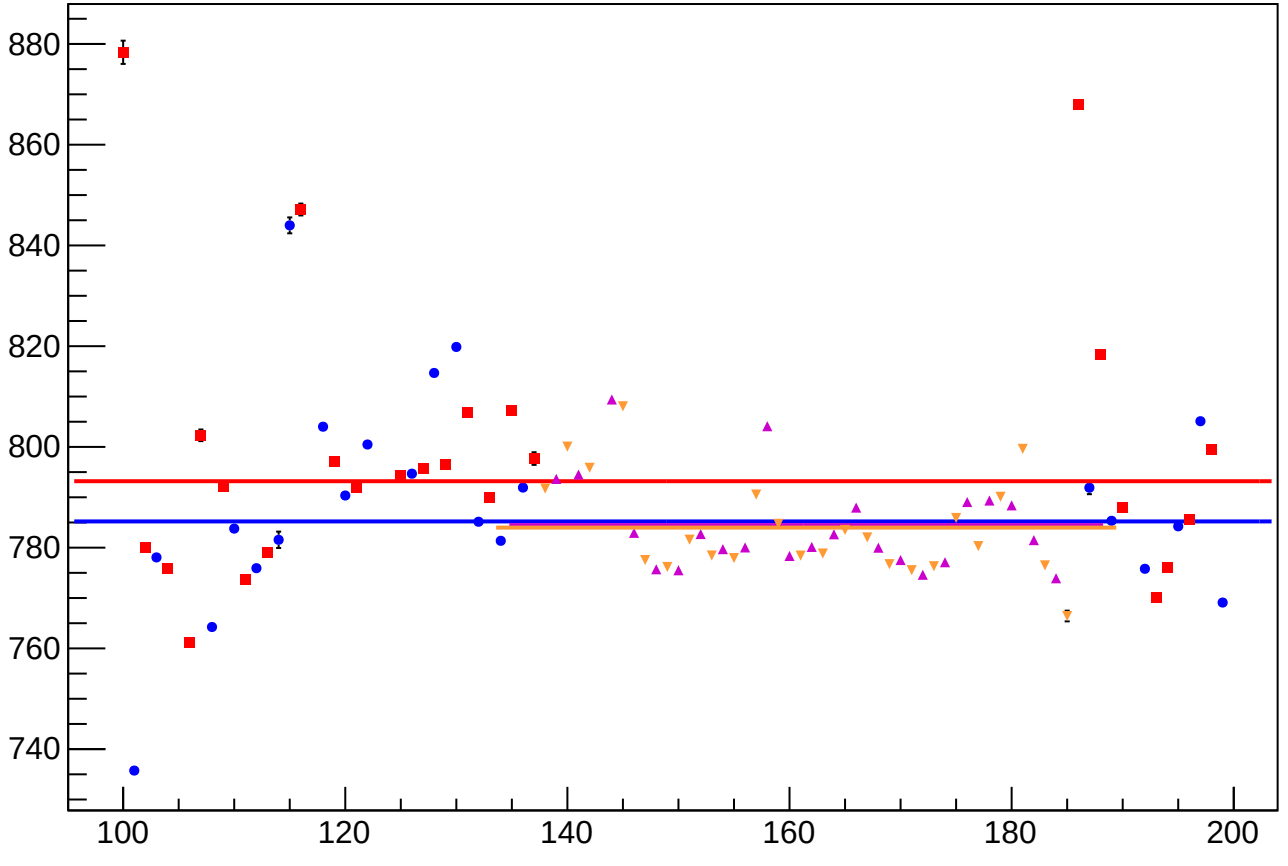
Right: 2125.384+/-161.226 χ^2/NDF: 24.5/46

In: 2157.697+/-143.559 χ^2/NDF:41.4/44

Out: 1925.955+/-141.494 χ^2/NDF:27.2/48

All: 2040.148+/-100.774 χ^2/NDF: 70.0/93

dit_asym_us_avg_rms vs Slug, Sign Corrected



Right In: 785.208+/-0.163 χ^2/NDF: 14723.5/21

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

Right Out: 793.193+/-0.159 χ^2/NDF: 17598.6/24

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

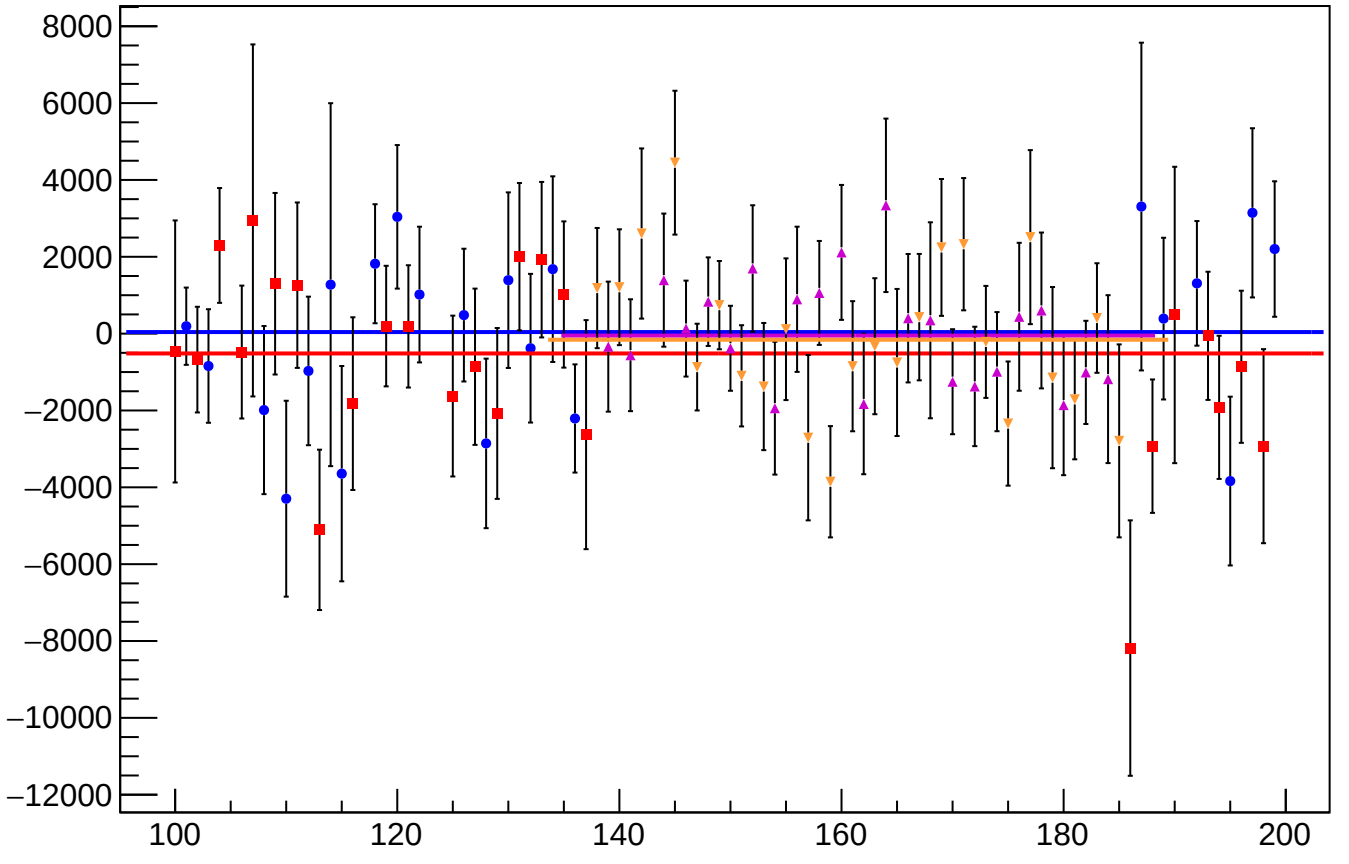
Left: 784.225+/-0.091 χ^2/NDF: 9863.0/46

Right: 789.308+/-0.114 χ^2/NDF: 33547.5/46

In: 784.756+/-0.102 χ^2/NDF:19663.7/44

Out: 787.624+/-0.100 χ^2/NDF:24553.0/48

All: 786.211+/-0.071 χ^2/NDF: 44621.5/93



Right In: 40.873+/-397.000 χ^2/NDF: 23.4/21

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

Right Out: -515.969+/-401.795 χ^2/NDF: 25.0/24

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

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

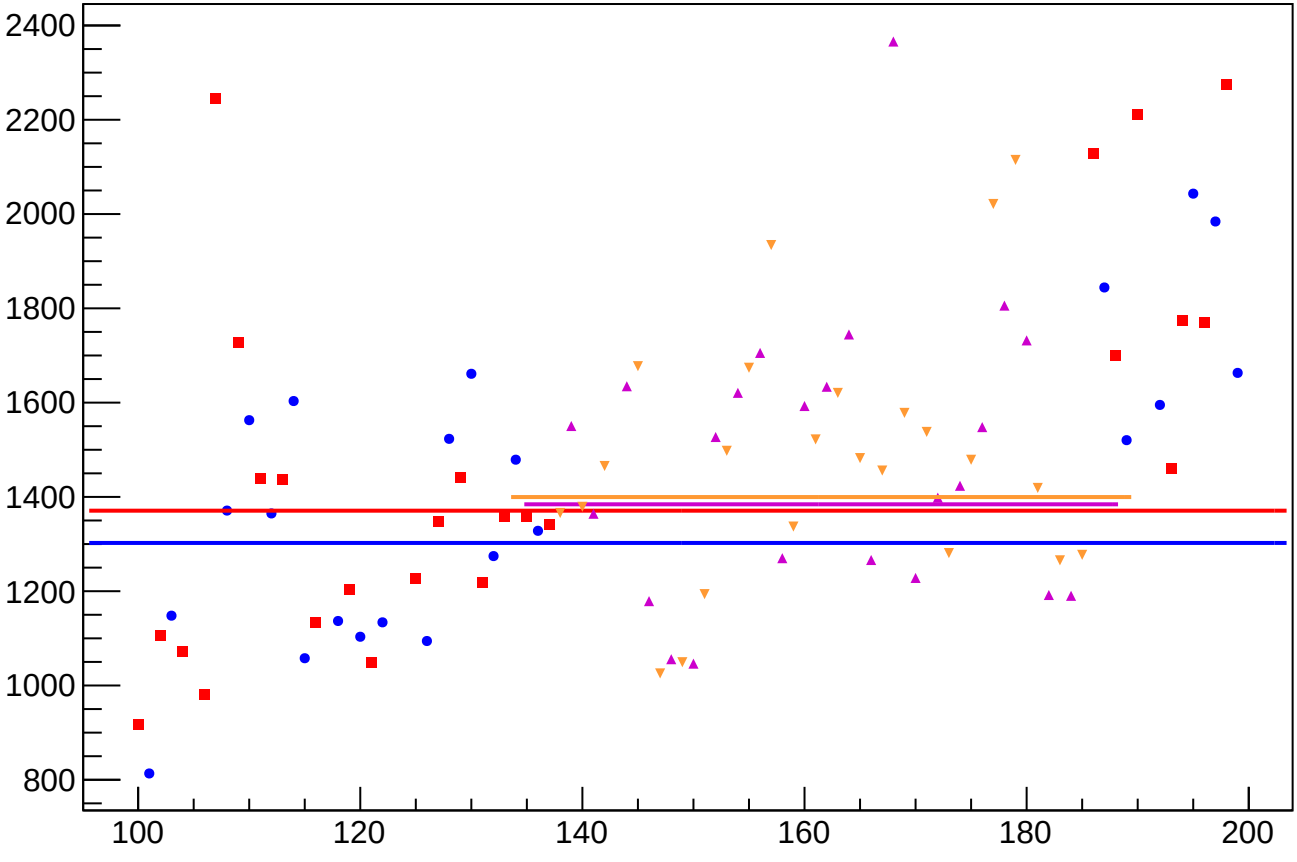
Right: -234.205+/-282.402 χ^2/NDF: 49.4/46

In: -14.008+/-253.868 χ^2/NDF:36.9/44

Out: -304.097+/-256.021 χ^2/NDF:54.6/48

All: -157.828+/-180.268 χ^2/NDF: 92.1/93

asym_us_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 1302.377+/-0.281 χ^2/NDF: 1338965.6/21

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

Right Out: 1370.810+/-0.284 χ^2/NDF: 1272673.9/24

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

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

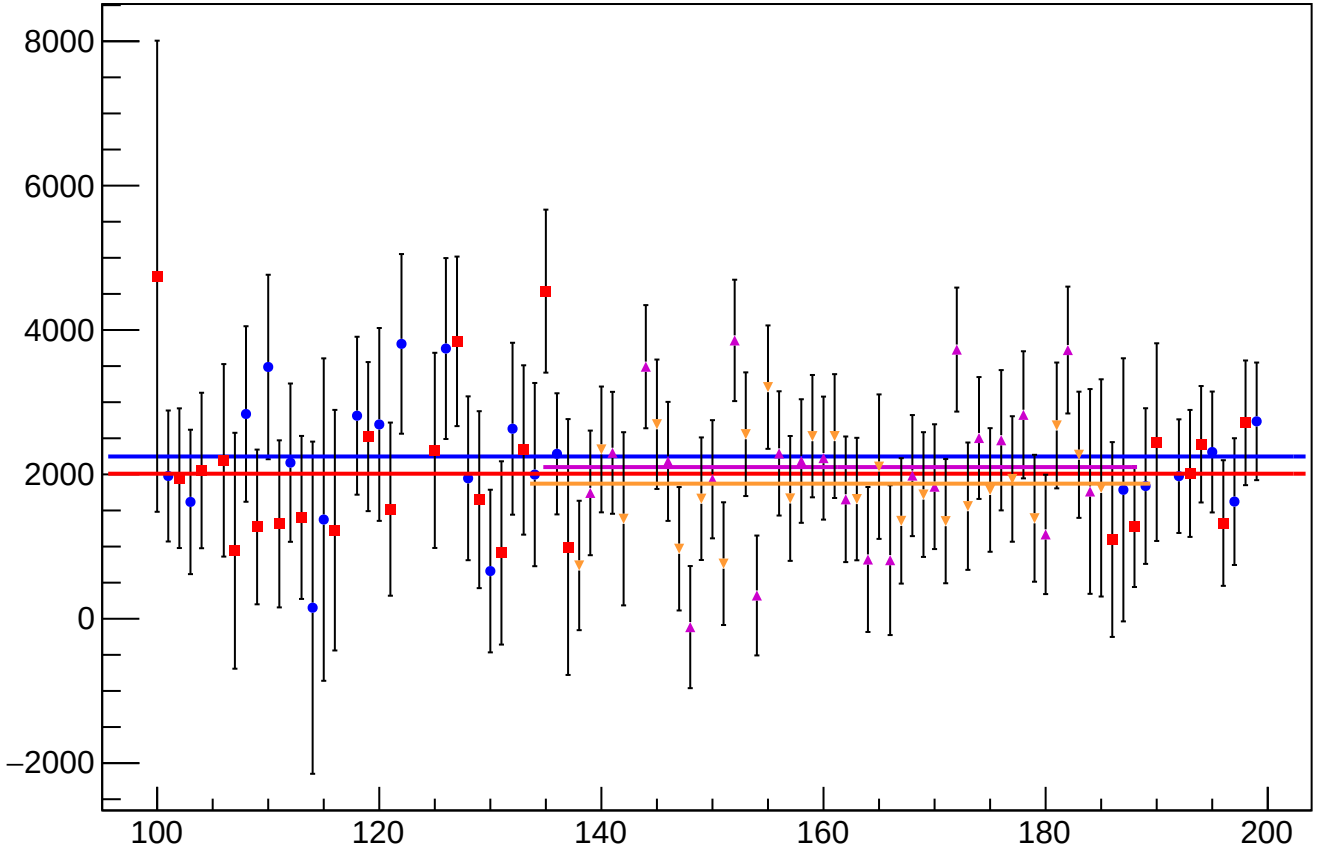
Right: 1336.183+/-0.200 χ^2/NDF: 2640996.1/46

In: 1350.820+/-0.180 χ^2/NDF:2659283.1/44

Out: 1387.980+/-0.181 χ^2/NDF:2415173.1/48

All: 1369.243+/-0.127 χ^2/NDF: 5095701.3/93

eigen_dit_asym_us_avg_mean vs Slug, Sign Corrected



Right In: 2247.885+/-231.126 χ^2/NDF: 9.4/21

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

Right Out: 2009.276+/-225.012 χ^2/NDF: 14.5/24

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

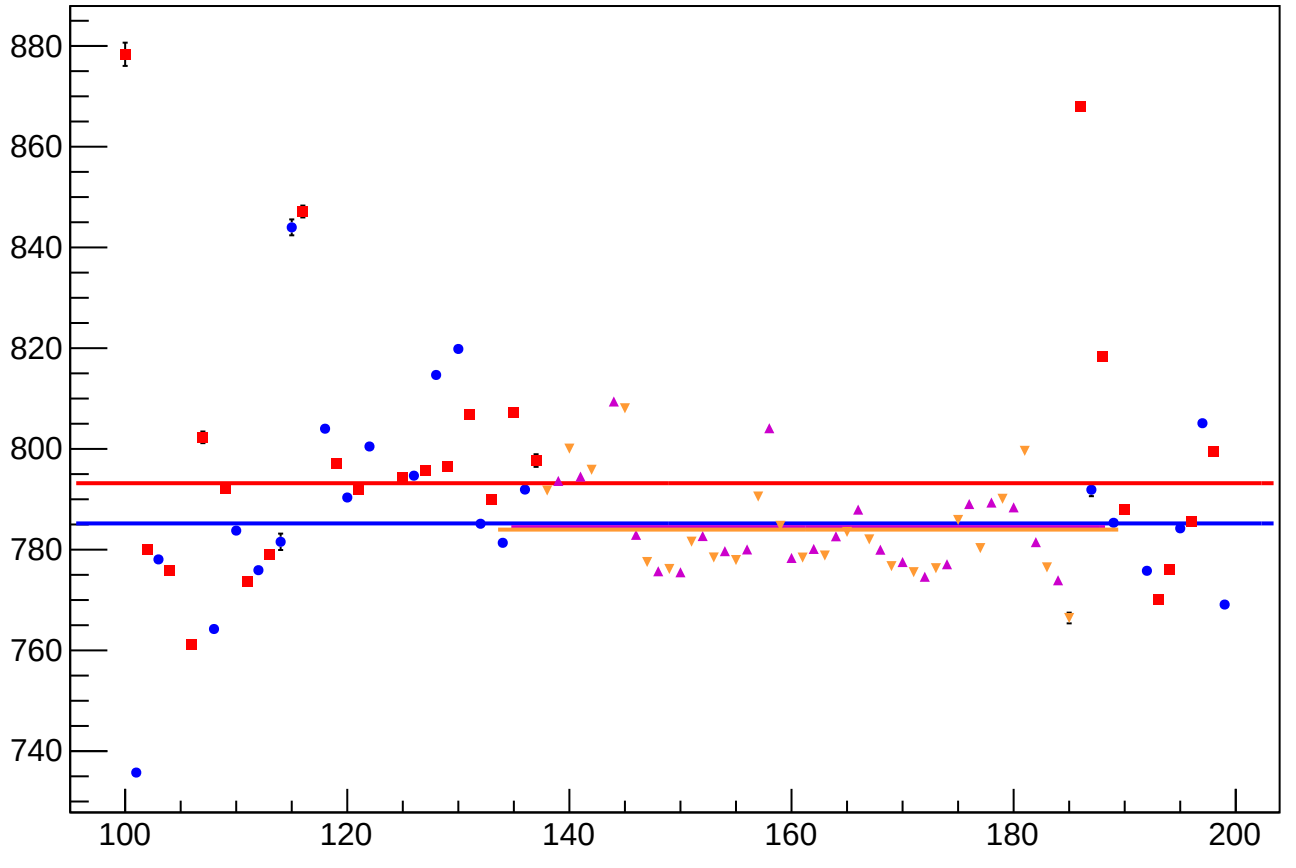
Left: 1985.495+/-129.100 χ^2/NDF: 45.0/46

Right: 2125.383+/-161.226 χ^2/NDF: 24.5/46

In: 2157.697+/-143.559 χ^2/NDF:41.4/44

Out: 1925.953+/-141.494 χ^2/NDF:27.2/48

All: 2040.147+/-100.774 χ^2/NDF: 70.0/93



Right In: 785.208+/-0.163 χ^2/NDF: 14723.5/21

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

Right Out: 793.193+/-0.159 χ^2/NDF: 17598.6/24

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

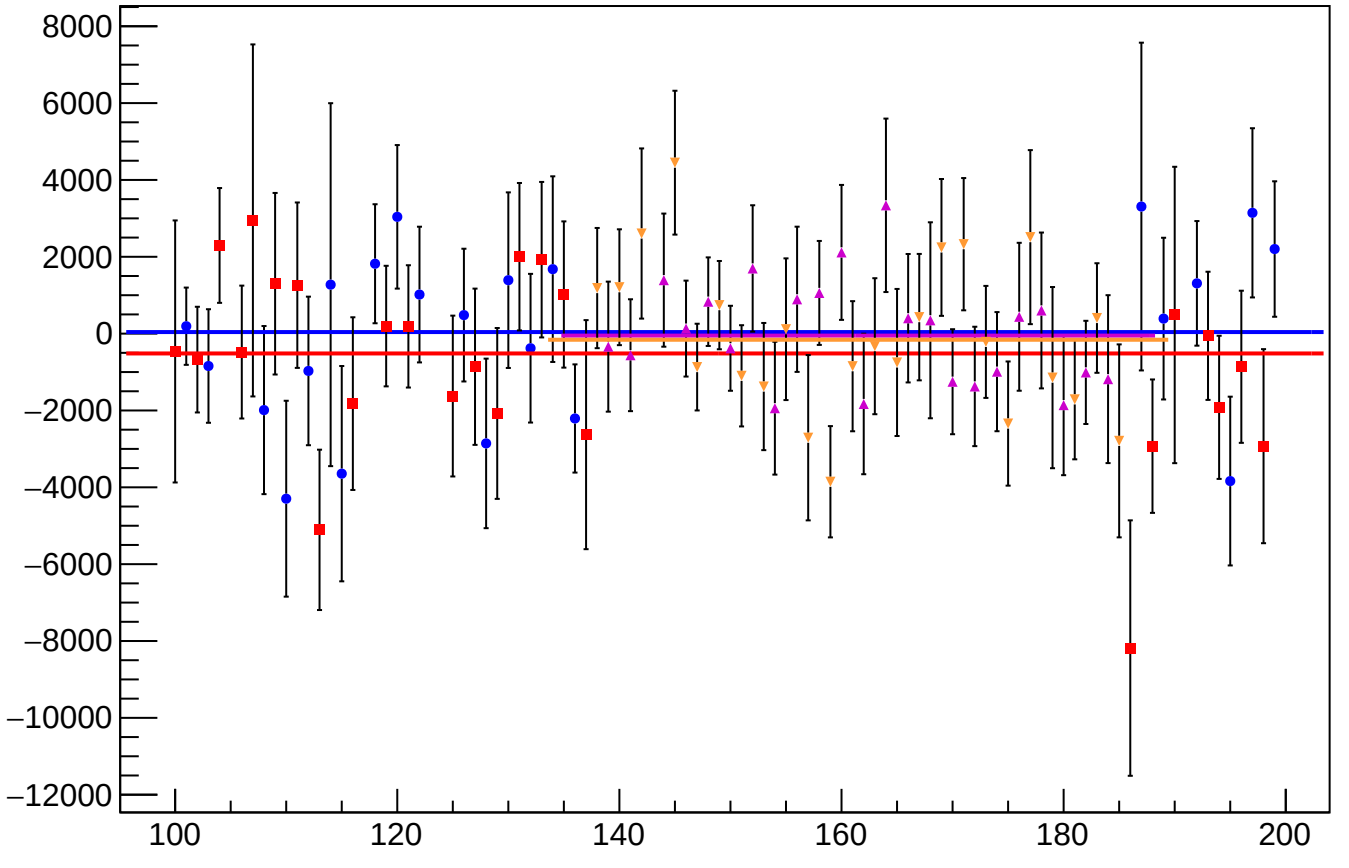
Left: 784.225+/-0.091 χ^2/NDF: 9863.0/46

Right: 789.308+/-0.114 χ^2/NDF: 33547.5/46

In: 784.756+/-0.102 χ^2/NDF:19663.6/44

Out: 787.624+/-0.100 χ^2/NDF:24553.0/48

All: 786.211+/-0.071 χ^2/NDF: 44621.4/93



Right In: 40.873+/-397.000 χ^2/NDF: 23.4/21

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

Right Out: -515.965+/-401.795 χ^2/NDF: 25.0/24

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

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

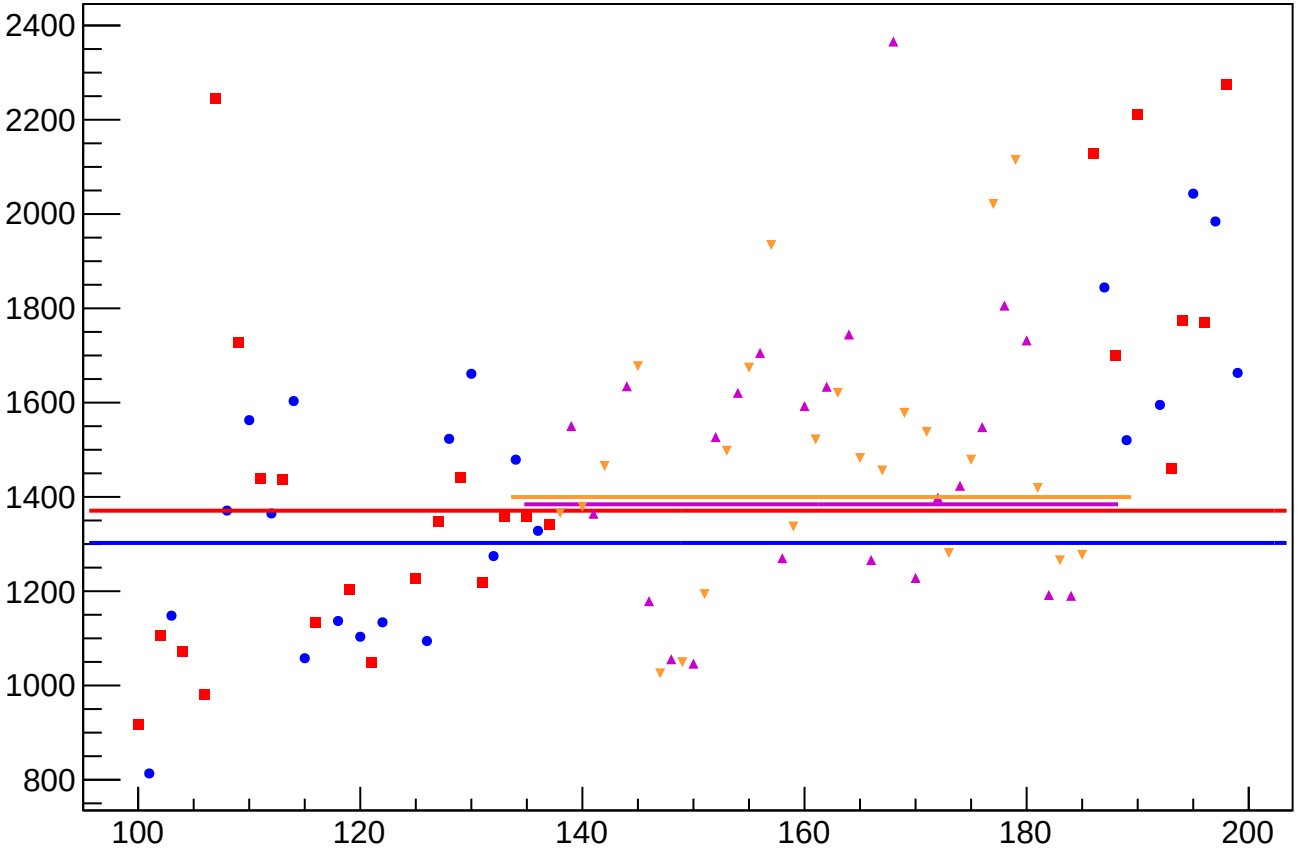
Right: -234.204+/-282.401 χ^2/NDF: 49.4/46

In: -14.008+/-253.869 χ^2/NDF:36.9/44

Out: -304.099+/-256.021 χ^2/NDF:54.6/48

All: -157.829+/-180.268 χ^2/NDF: 92.1/93

asym_us_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1302.374+/-0.281 χ^2/NDF: 1338974.6/21

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

Right Out: 1370.807+/-0.284 χ^2/NDF: 1272684.9/24

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

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

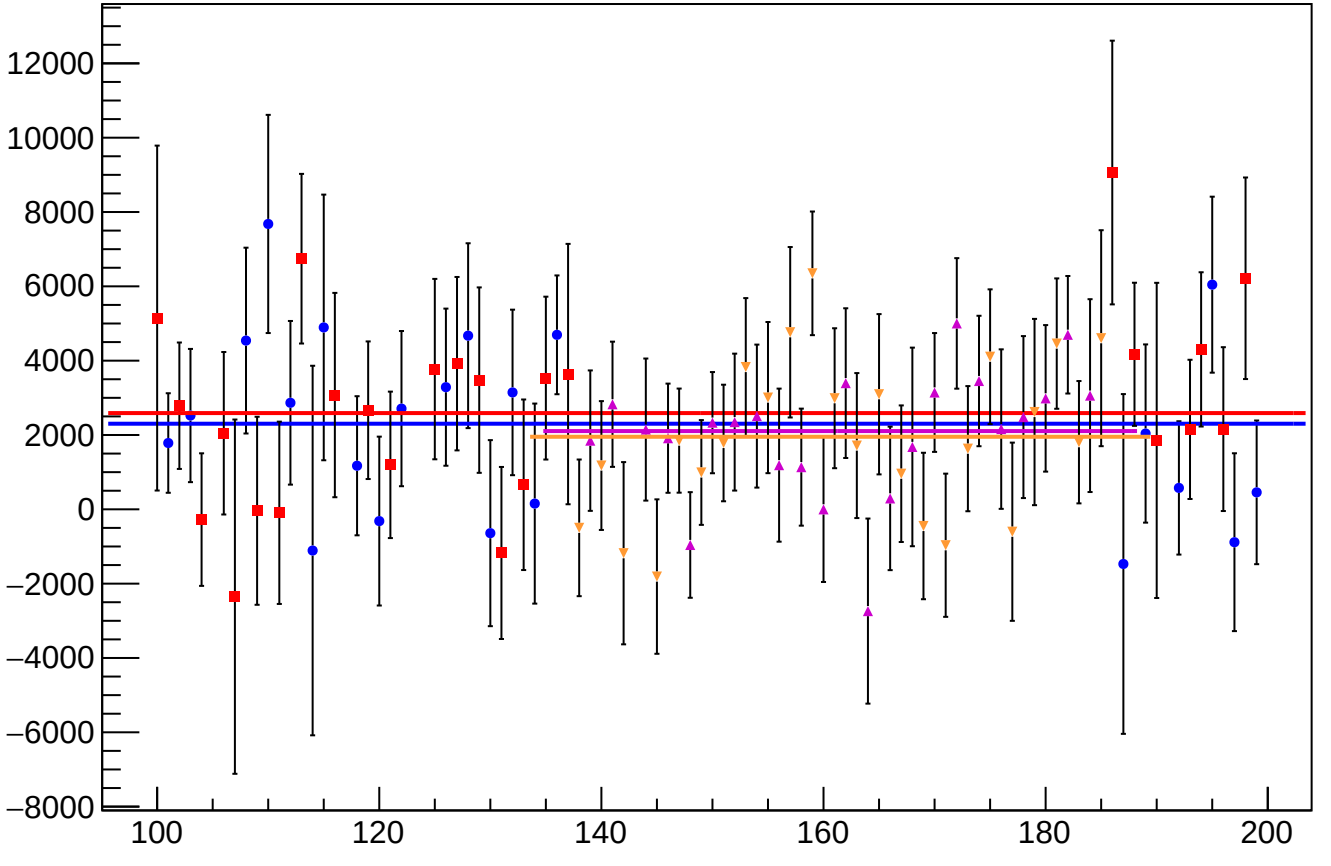
Right: 1336.180+/-0.200 χ^2/NDF: 2641015.9/46

In: 1350.820+/-0.180 χ^2/NDF:2659299.1/44

Out: 1387.981+/-0.181 χ^2/NDF:2415187.6/48

All: 1369.244+/-0.127 χ^2/NDF: 5095731.8/93

asym_us_avg_mean vs Slug, Sign Corrected



Right In: 2303.410+/-465.870 χ^2/NDF: 19.4/21

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

Right Out: 2589.806+/-466.257 χ^2/NDF: 21.1/24

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

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

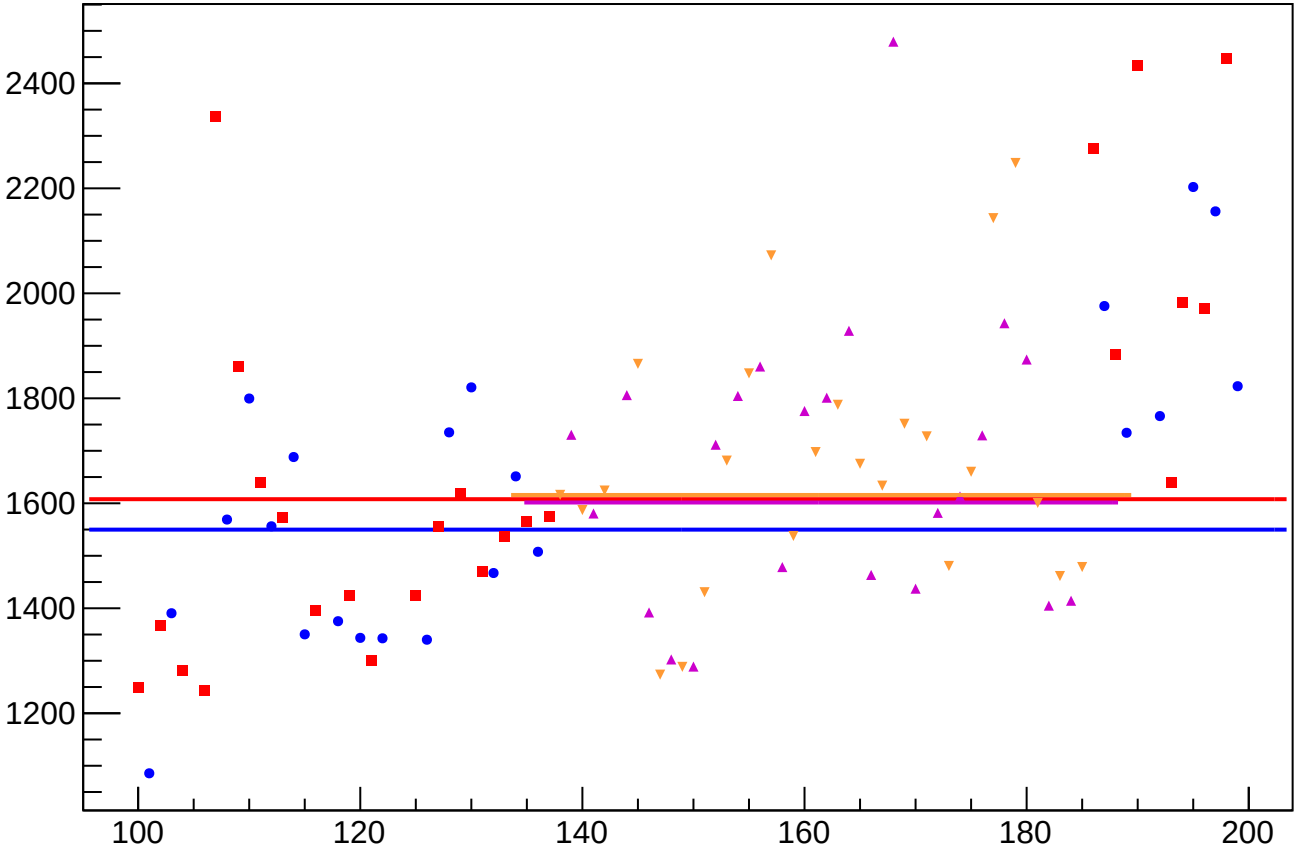
Right: 2446.489+/-329.556 χ^2/NDF: 40.7/46

In: 2184.280+/-294.022 χ^2/NDF:38.1/44

Out: 2207.022+/-294.687 χ^2/NDF:49.6/48

All: 2195.625+/-208.140 χ^2/NDF: 87.7/93

asym_us_avg_rms vs Slug, Sign Corrected



Right In: 1549.824+/-0.329 χ^2/NDF: 771792.3/21

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

Right Out: 1607.814+/-0.330 χ^2/NDF: 842899.2/24

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

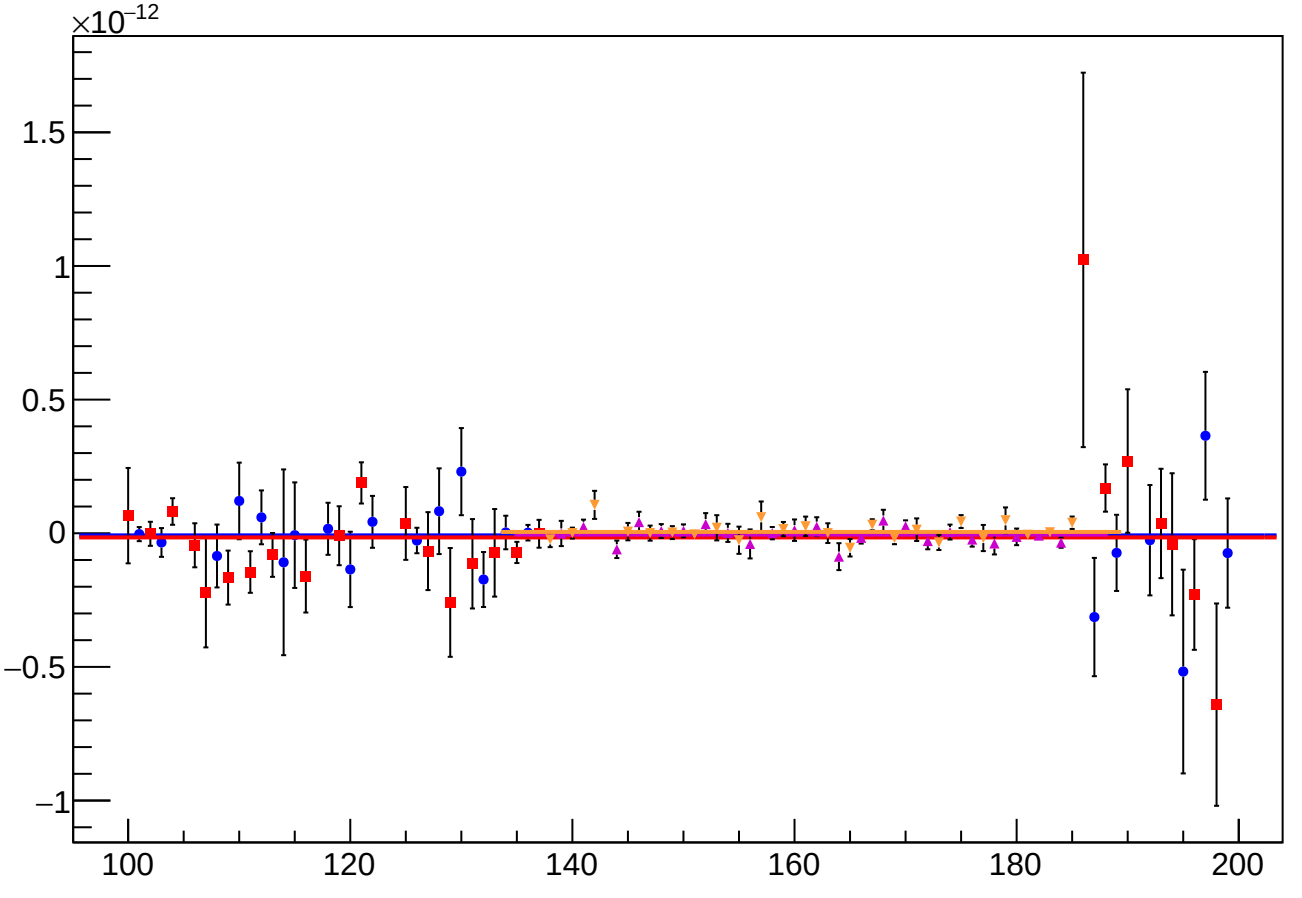
Left: 1608.652+/-0.190 χ^2/NDF: 1489505.9/46

Right: 1578.795+/-0.233 χ^2/NDF: 1630173.5/46

In: 1580.914+/-0.208 χ^2/NDF:1580319.1/44

Out: 1612.642+/-0.208 χ^2/NDF:1537609.6/48

All: 1596.742+/-0.147 χ^2/NDF: 3129547.0/93



Right In: -0.000+/-0.000 χ^2/NDF: 15.0/21

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

Right Out: -0.000+/-0.000 χ^2/NDF: 34.8/24

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

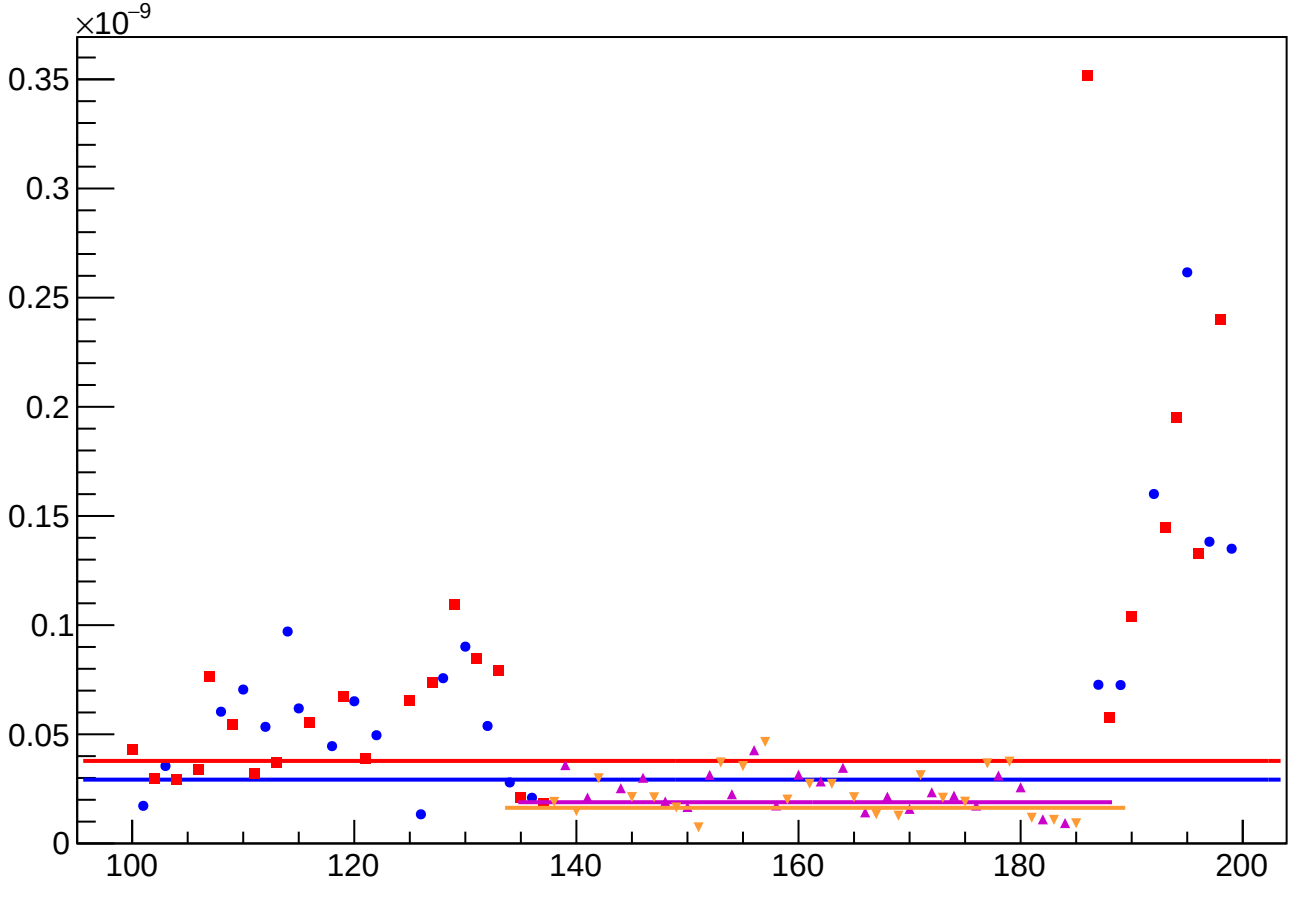
Left: 0.000+/-0.000 χ^2/NDF: 42.0/46

Right: -0.000+/-0.000 χ^2/NDF: 49.9/46

In: -0.000+/-0.000 χ^2/NDF:34.4/44

Out: 0.000+/-0.000 χ^2/NDF:57.0/48

All: -0.000+/-0.000 χ^2/NDF: 92.8/93



Right In: 0.000+/-0.000 χ^2/NDF: 4965550.3/21

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

Right Out: 0.000+/-0.000 χ^2/NDF: 4680779.4/24

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

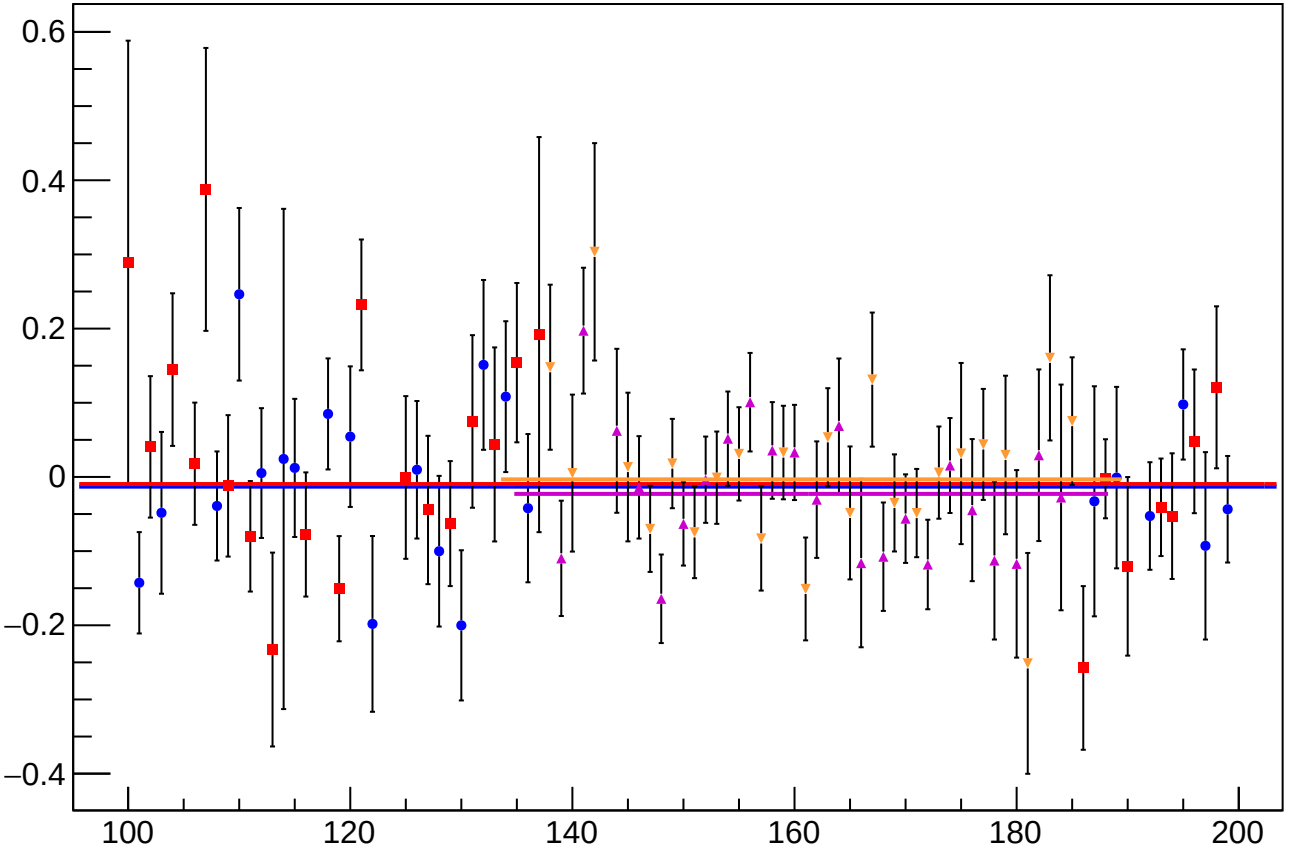
Left: 0.000+/-0.000 χ^2/NDF: 7731818.4/46

Right: 0.000+/-0.000 χ^2/NDF: 9922438.0/46

In: 0.000+/-0.000 χ^2/NDF:9056391.9/44

Out: 0.000+/-0.000 χ^2/NDF:11677735.9/48

All: 0.000+/-0.000 χ^2/NDF: 20897195.9/93



Right In: -0.013+/-0.020 χ^2/NDF: 24.5/21

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

Right Out: -0.010+/-0.019 χ^2/NDF: 36.2/24

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

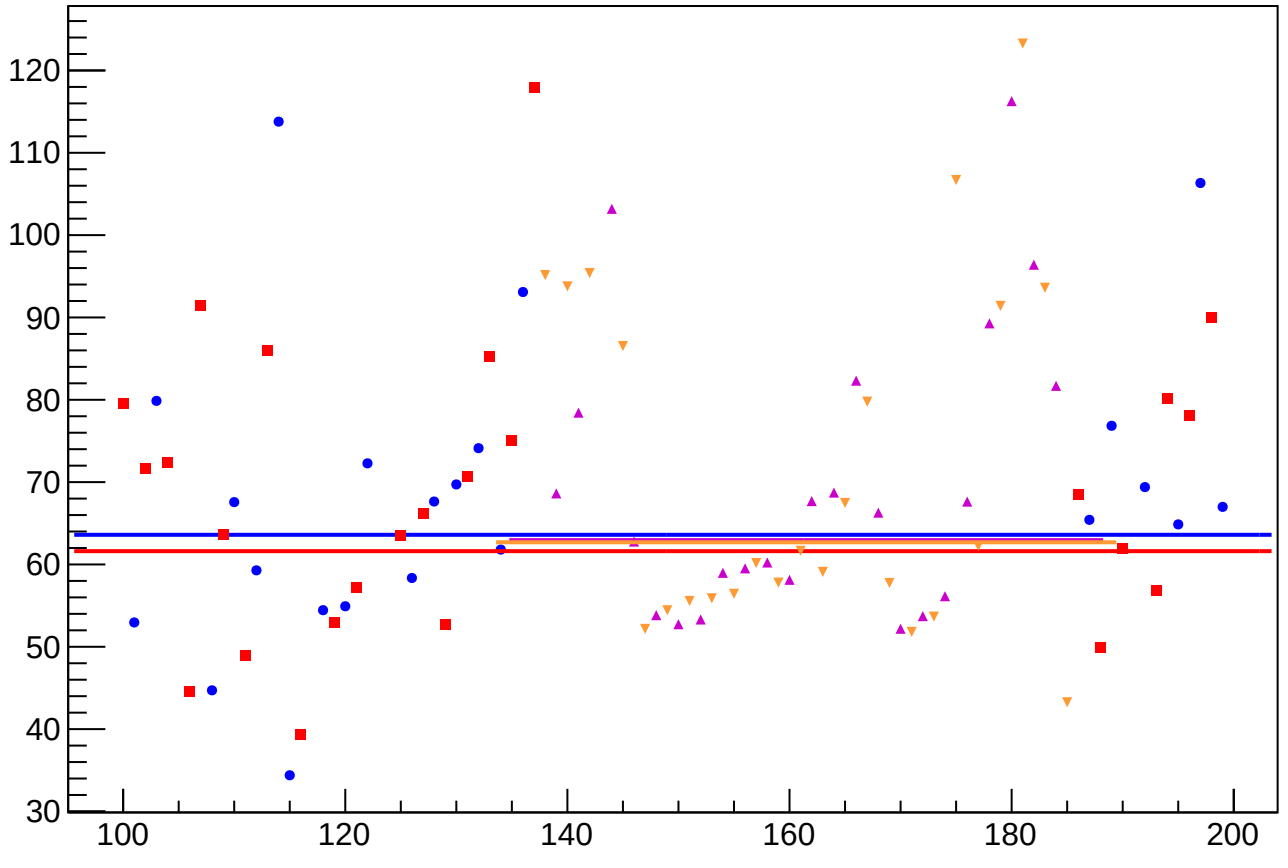
Left: -0.013+/-0.011 χ^2/NDF: 55.7/46

Right: -0.011+/-0.014 χ^2/NDF: 60.7/46

In: -0.019+/-0.012 χ^2/NDF:53.6/44

Out: -0.006+/-0.012 χ^2/NDF:62.2/48

All: -0.012+/-0.009 χ^2/NDF: 116.4/93



Right In: 63.602+/-0.014 χ^2/NDF: 1009543.3/21

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

Right Out: 61.616+/-0.013 χ^2/NDF: 1119879.2/24

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

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

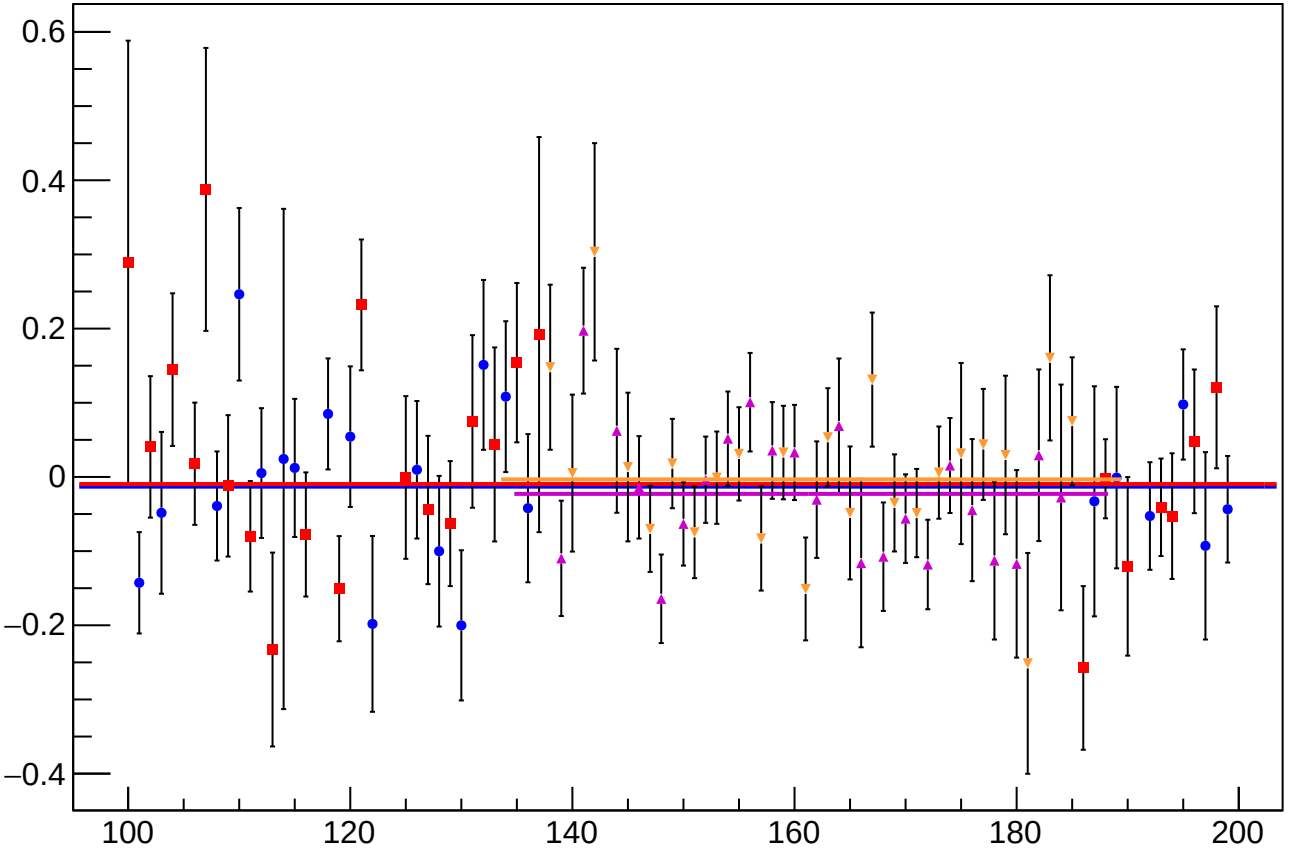
Right: 62.546+/-0.010 χ^2/NDF: 2139881.3/46

In: 63.198+/-0.009 χ^2/NDF:2441273.9/44

Out: 62.258+/-0.008 χ^2/NDF:3063196.0/48

All: 62.716+/-0.006 χ^2/NDF: 5510498.2/93

asym_us_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.013+/-0.020 χ^2/NDF: 24.5/21

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

Right Out: -0.010+/-0.019 χ^2/NDF: 36.2/24

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

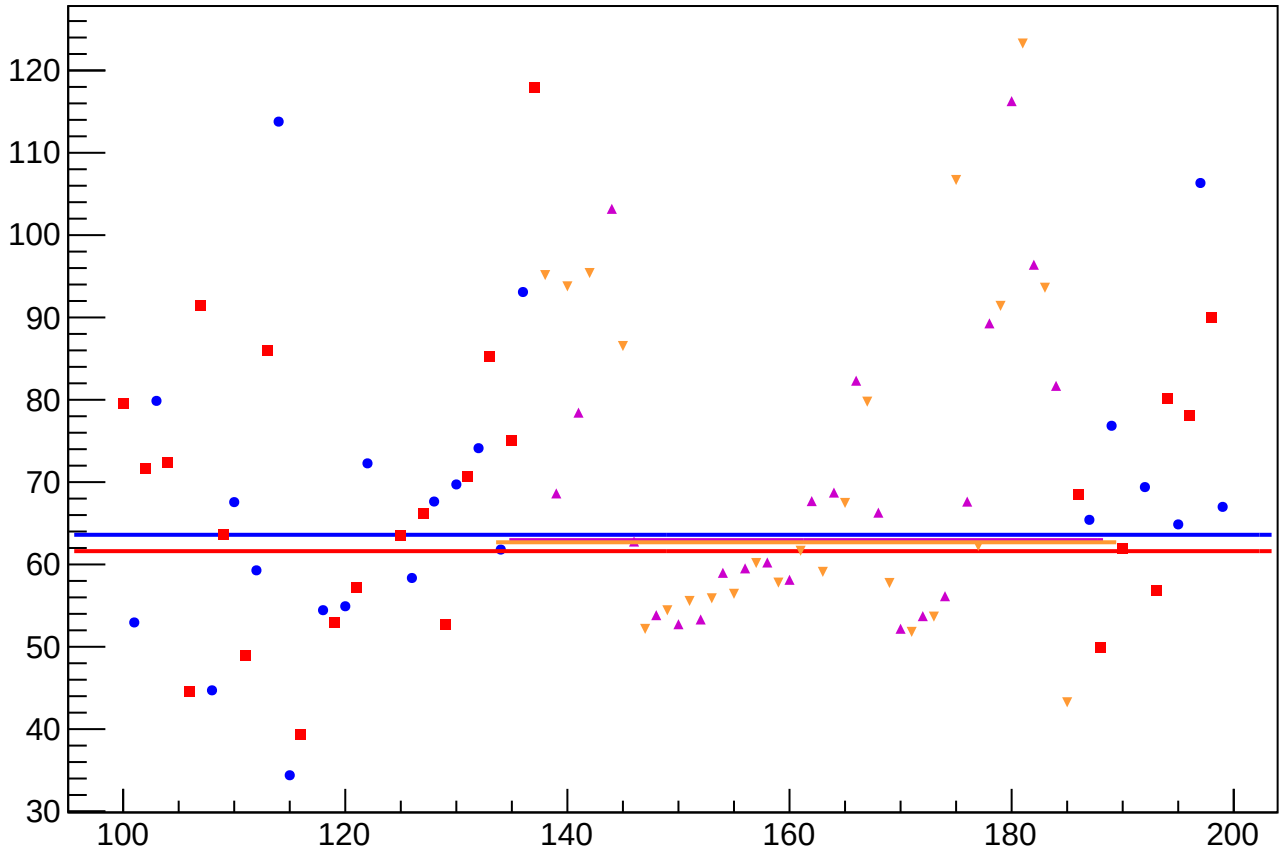
Left: -0.013+/-0.011 χ^2/NDF: 55.7/46

Right: -0.011+/-0.014 χ^2/NDF: 60.7/46

In: -0.019+/-0.012 χ^2/NDF:53.6/44

Out: -0.006+/-0.012 χ^2/NDF:62.2/48

All: -0.012+/-0.009 χ^2/NDF: 116.4/93



Right In: 63.602+/-0.014 χ^2/NDF: 1009543.3/21

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

Right Out: 61.616+/-0.013 χ^2/NDF: 1119879.2/24

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

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

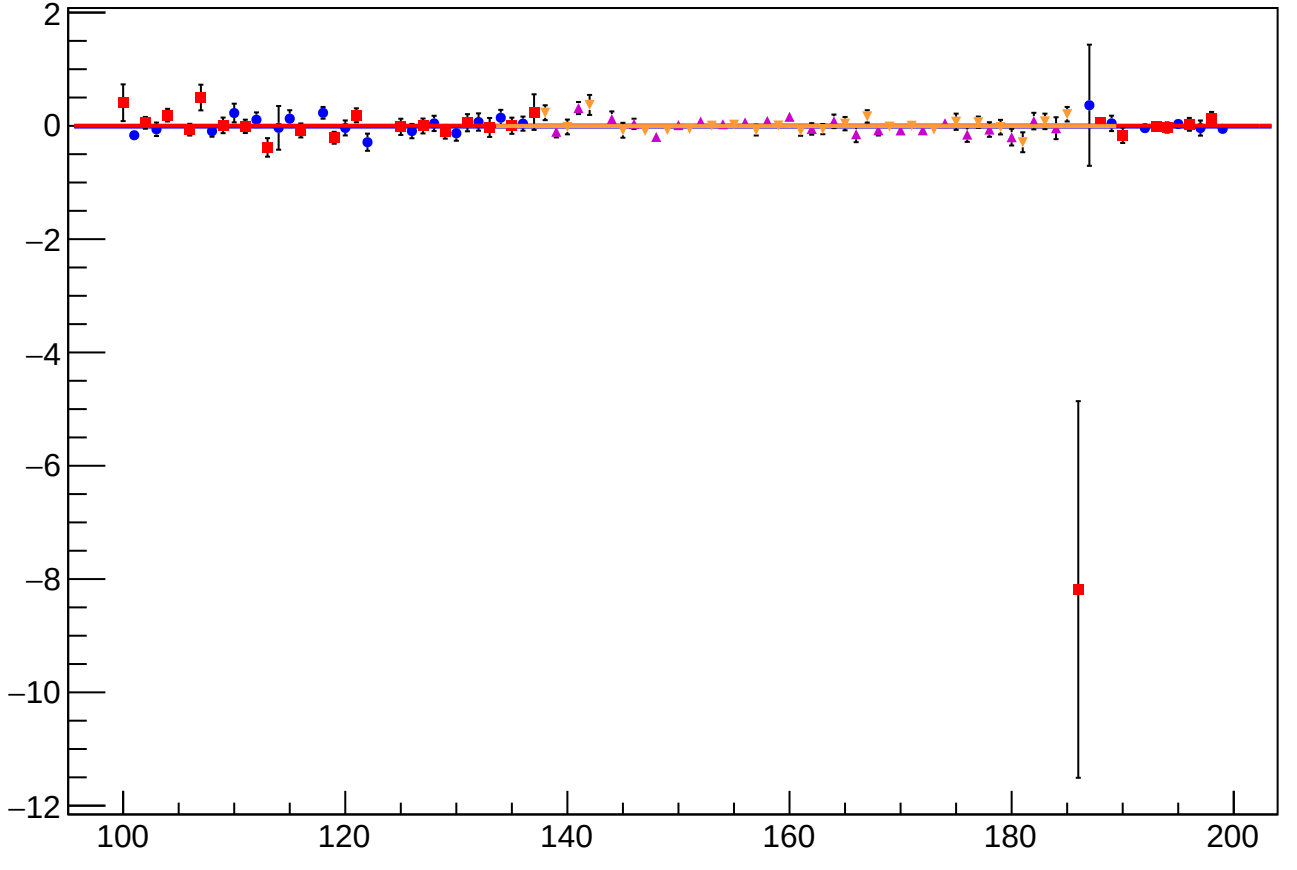
Right: 62.546+/-0.010 χ^2/NDF: 2139881.3/46

In: 63.198+/-0.009 χ^2/NDF:2441273.9/44

Out: 62.258+/-0.008 χ^2/NDF:3063196.0/48

All: 62.716+/-0.006 χ^2/NDF: 5510498.2/93

asym_us_avg_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.013+/-0.025 χ^2/NDF: 21.2/21

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

Right Out: 0.003+/-0.024 χ^2/NDF: 33.3/24

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

Left: -0.001+/-0.015 χ^2/NDF: 51.9/46

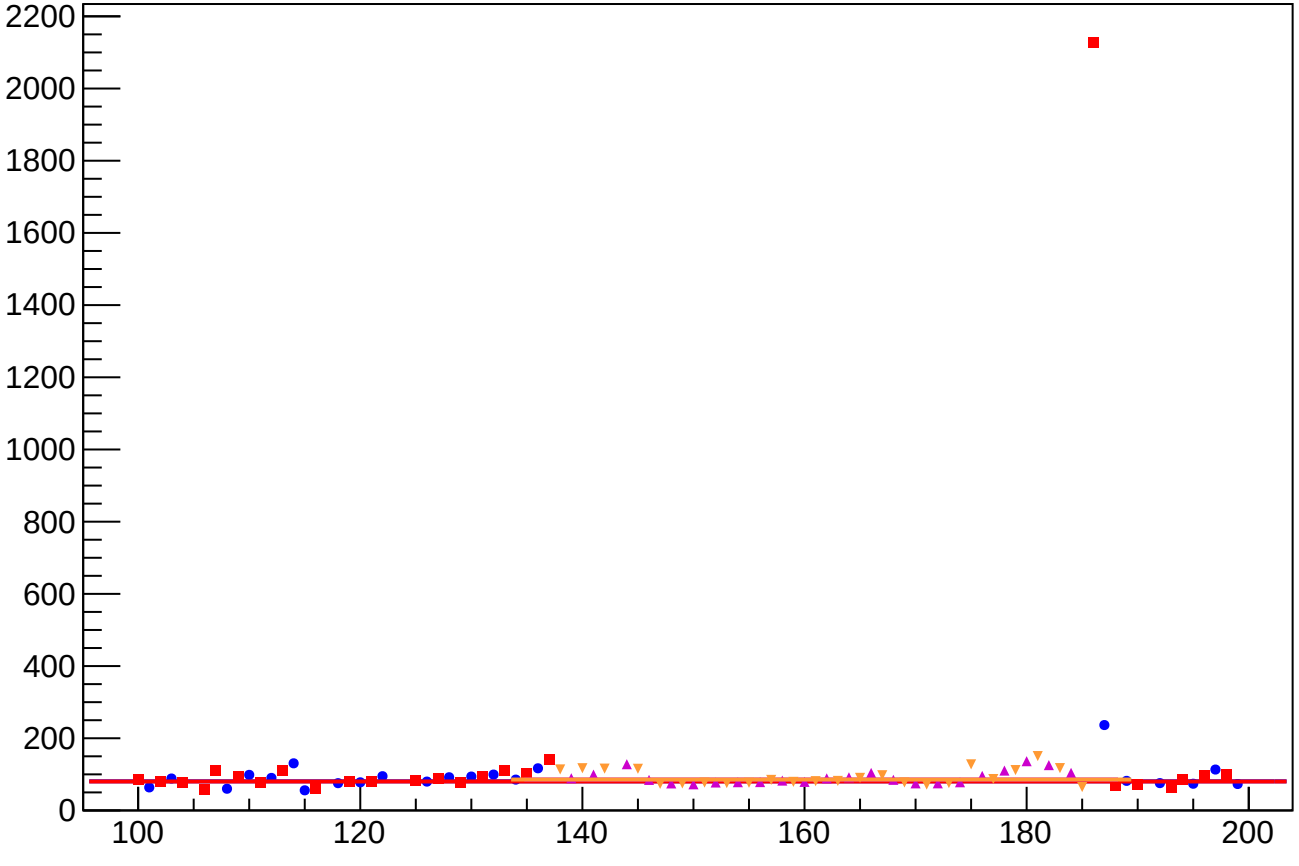
Right: -0.005+/-0.017 χ^2/NDF: 54.7/46

In: -0.004+/-0.016 χ^2/NDF:51.9/44

Out: -0.001+/-0.016 χ^2/NDF:54.7/48

All: -0.003+/-0.011 χ^2/NDF: 106.6/93

asym_us_avg_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



Right In: 80.725+/-0.018 χ^2/NDF: 764215.2/21

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

Right Out: 80.269+/-0.017 χ^2/NDF: 1512746.4/24

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

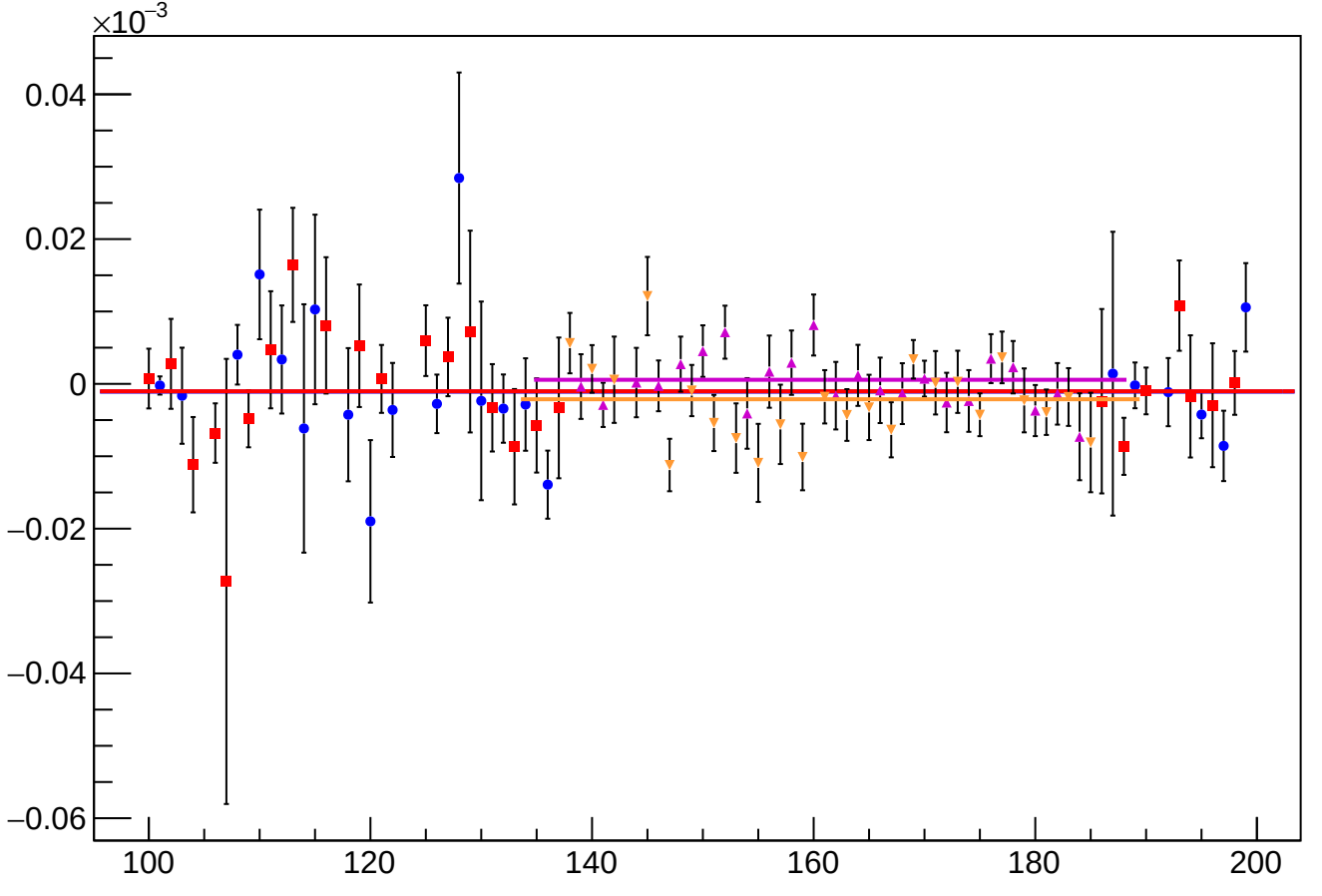
Left: 85.665+/-0.010 χ^2/NDF: 2348620.8/46

Right: 80.489+/-0.012 χ^2/NDF: 2277300.1/46

In: 83.682+/-0.011 χ^2/NDF:1806357.6/44

Out: 83.395+/-0.011 χ^2/NDF:2922243.3/48

All: 83.537+/-0.008 χ^2/NDF: 4728927.7/93



Right In: -0.000+/-0.000 χ^2/NDF: 28.4/21

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

Right Out: -0.000+/-0.000 χ^2/NDF: 25.9/24

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

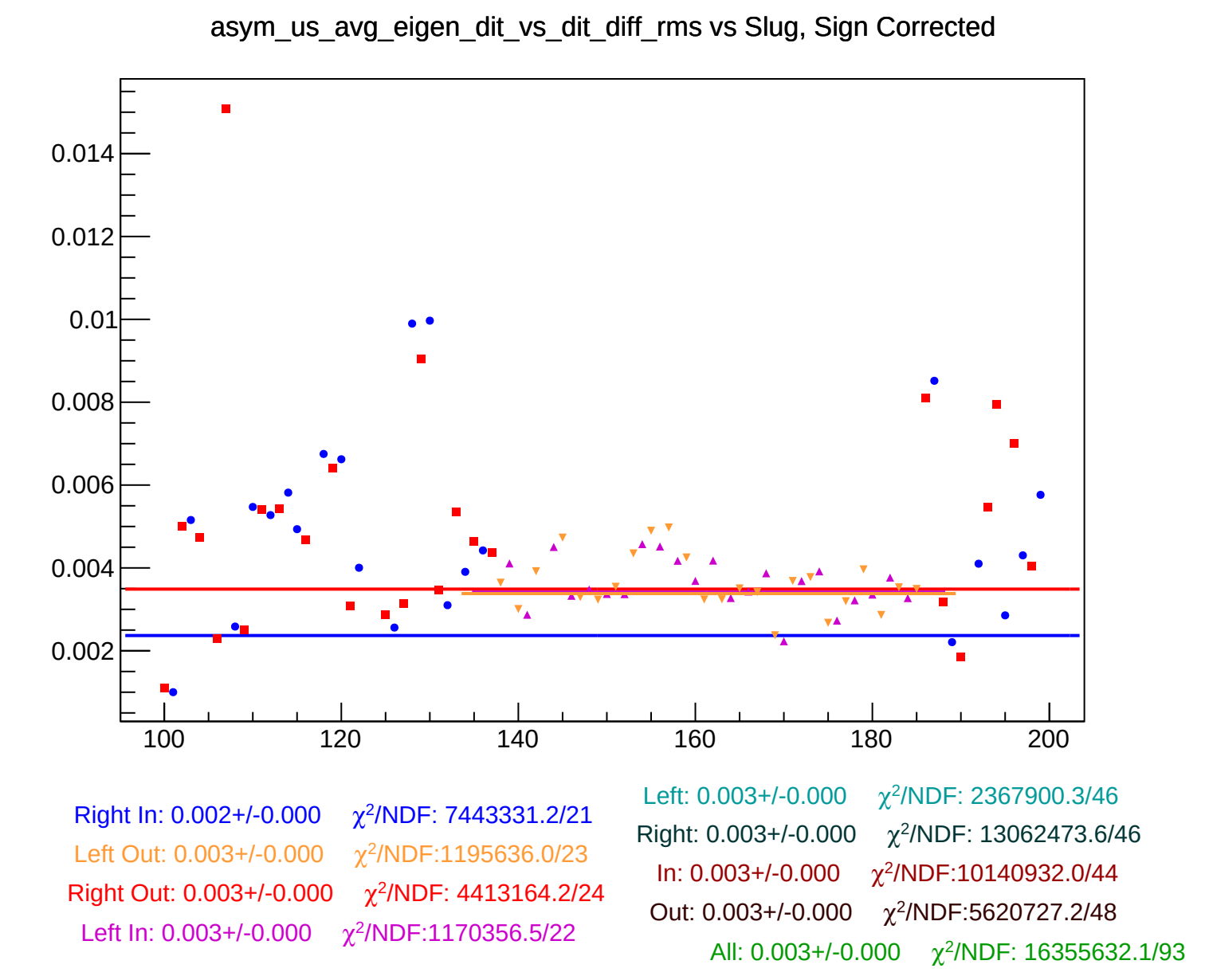
Left: -0.000+/-0.000 χ^2/NDF: 59.5/46

Right: -0.000+/-0.000 χ^2/NDF: 54.2/46

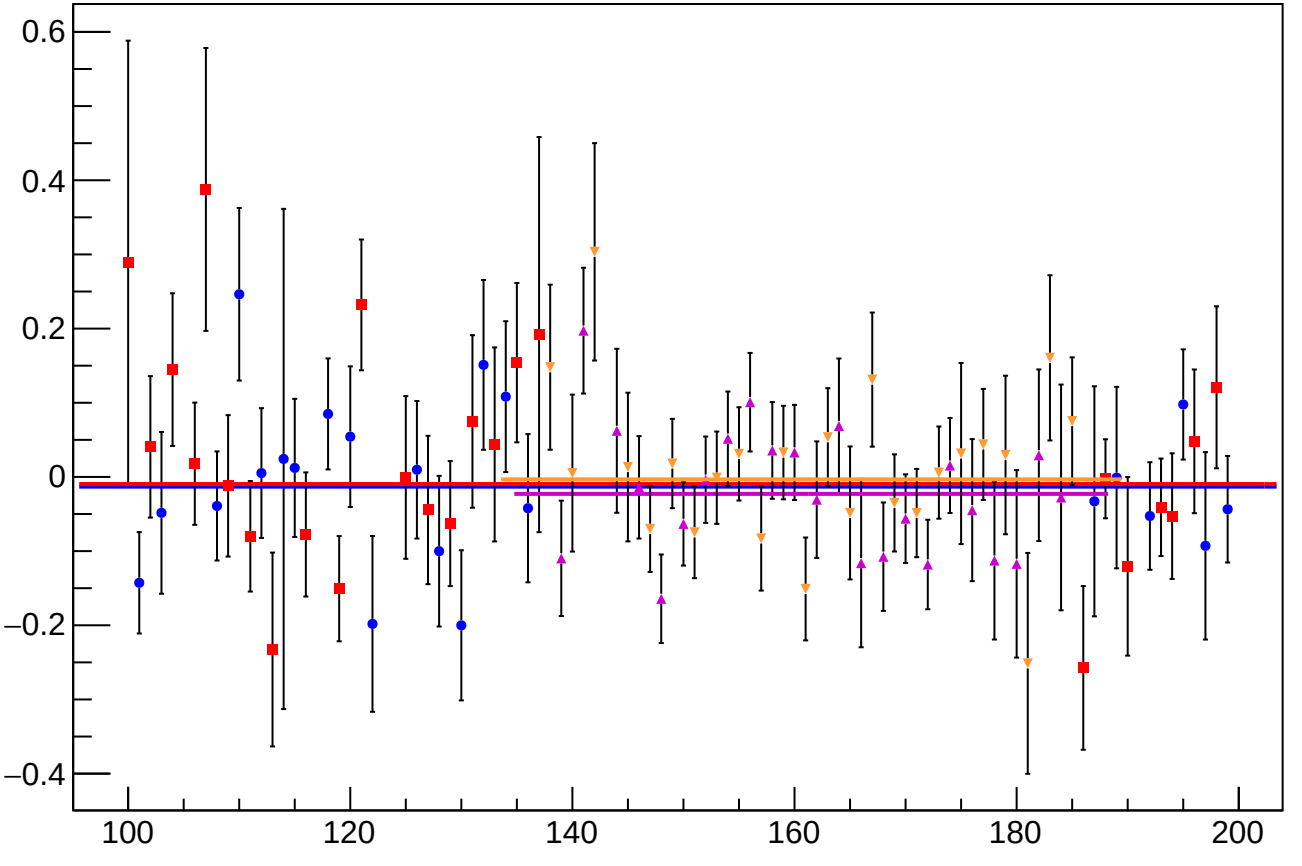
In: -0.000+/-0.000 χ^2/NDF:46.8/44

Out: -0.000+/-0.000 χ^2/NDF:63.9/48

All: -0.000+/-0.000 χ^2/NDF: 113.9/93


asym_us_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.014
0.012
0.01
0.008
0.006
0.004
0.002
100
120
140
160
180
200
Right In: 0.002+/-0.000 χ²/NDF: 7443331.2/21
Left Out: 0.003+/-0.000 χ²/NDF:1195636.0/23
Right Out: 0.003+/-0.000 χ²/NDF: 4413164.2/24
Left In: 0.003+/-0.000 χ²/NDF:1170356.5/22
Left: 0.003+/-0.000 χ²/NDF: 2367900.3/46
Right: 0.003+/-0.000 χ²/NDF: 13062473.6/46
In: 0.003+/-0.000 χ²/NDF:10140932.0/44
Out: 0.003+/-0.000 χ²/NDF:5620727.2/48
All: 0.003+/-0.000 χ²/NDF: 16355632.1/93

asym_us_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.013+/-0.020 χ^2/NDF: 24.5/21

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

Right Out: -0.010+/-0.019 χ^2/NDF: 36.2/24

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

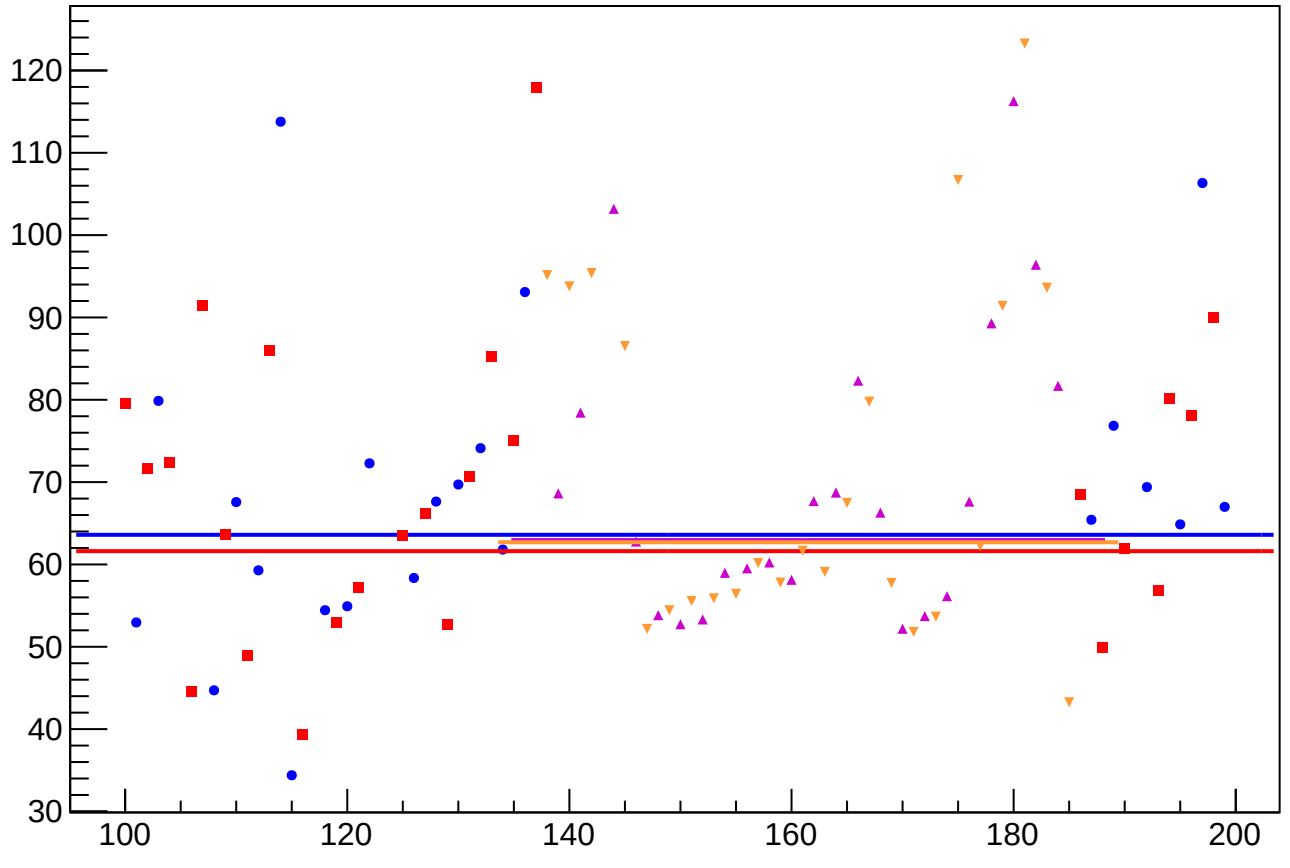
Left: -0.013+/-0.011 χ^2/NDF: 55.7/46

Right: -0.011+/-0.014 χ^2/NDF: 60.7/46

In: -0.019+/-0.012 χ^2/NDF:53.6/44

Out: -0.006+/-0.012 χ^2/NDF:62.2/48

All: -0.012+/-0.009 χ^2/NDF: 116.4/93



Right In: 63.601+/-0.014 χ^2/NDF: 1009584.5/21

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

Right Out: 61.615+/-0.013 χ^2/NDF: 1119832.2/24

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

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

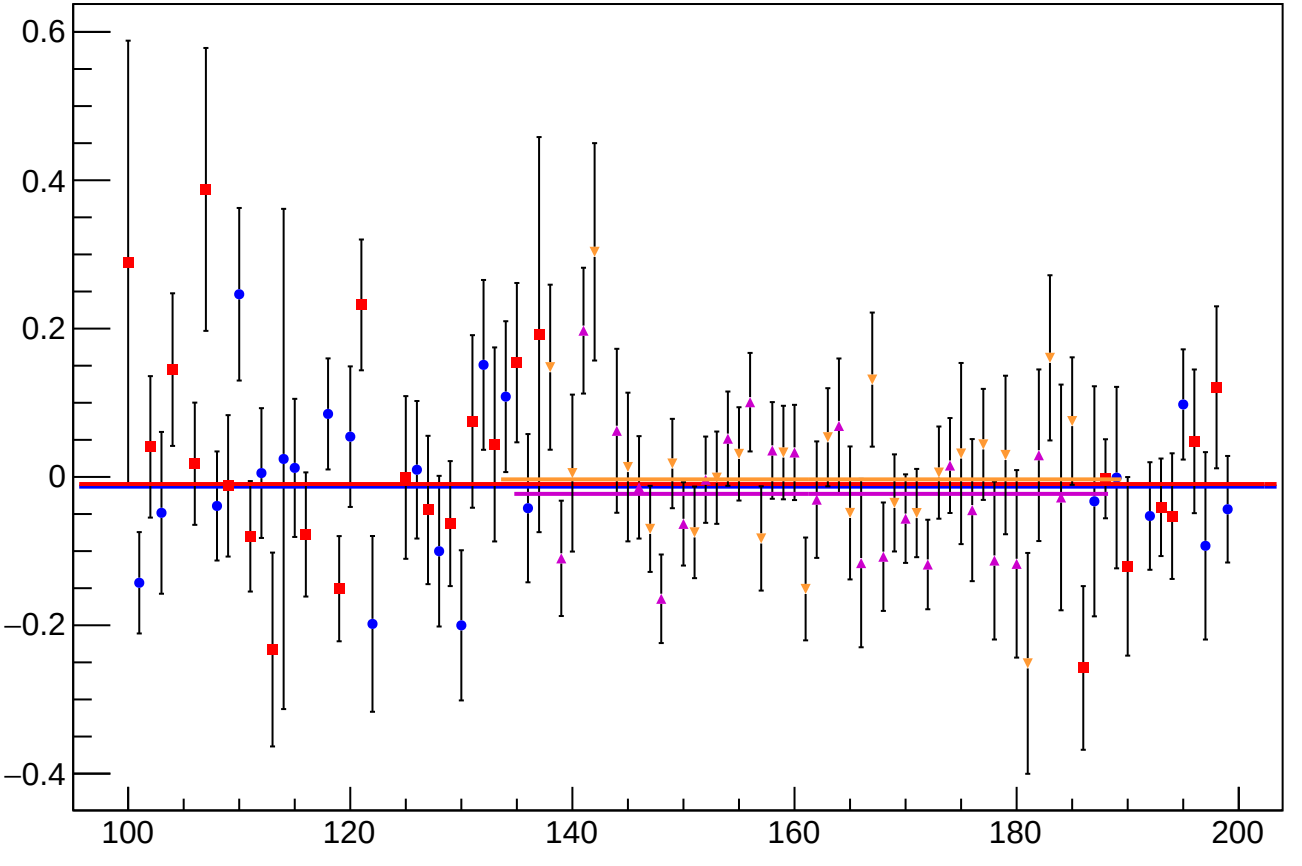
Right: 62.545+/-0.010 χ^2/NDF: 2139876.4/46

In: 63.198+/-0.009 χ^2/NDF:2441284.7/44

Out: 62.258+/-0.008 χ^2/NDF:3063142.8/48

All: 62.716+/-0.006 χ^2/NDF: 5510456.2/93

asym_us_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.013+/-0.020 χ^2/NDF: 24.5/21

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

Right Out: -0.010+/-0.019 χ^2/NDF: 36.2/24

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

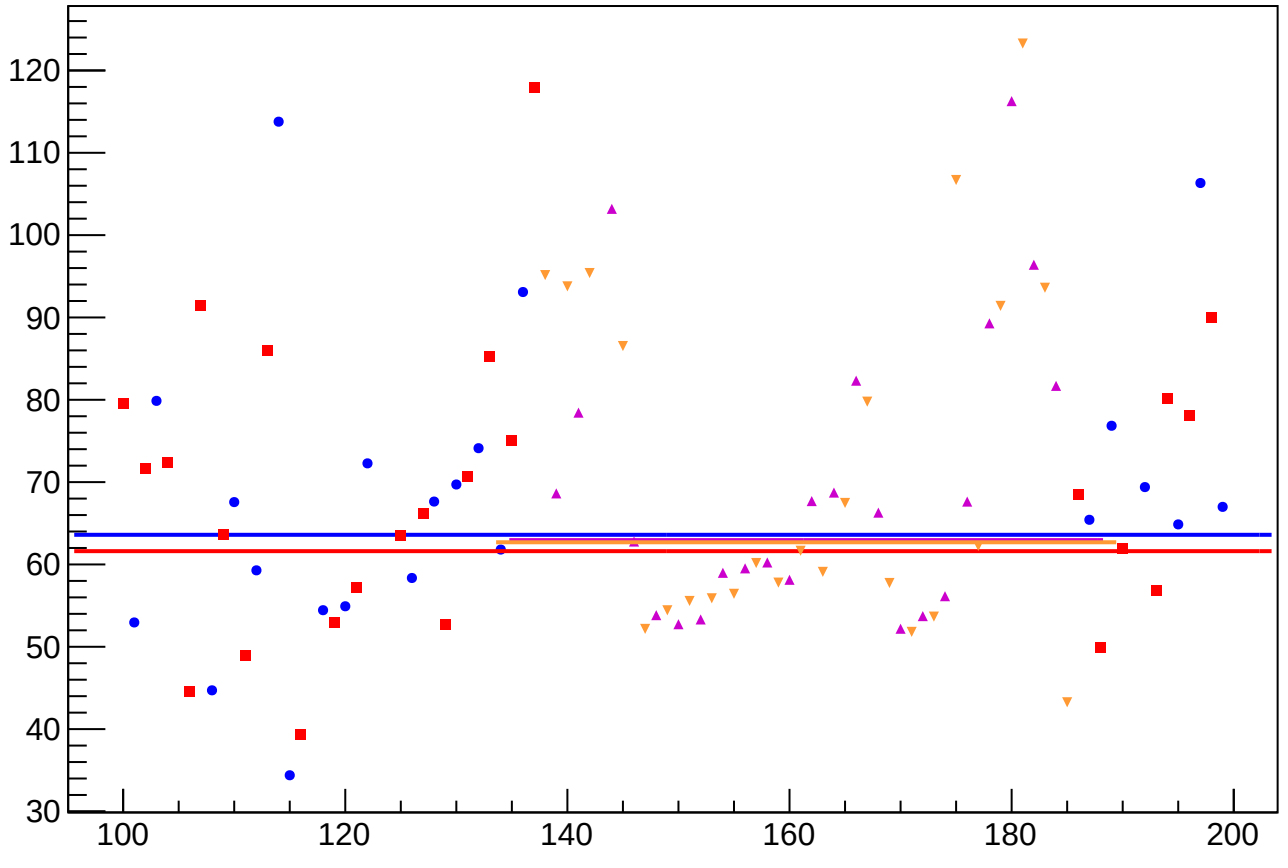
Left: -0.013+/-0.011 χ^2/NDF: 55.7/46

Right: -0.011+/-0.014 χ^2/NDF: 60.7/46

In: -0.019+/-0.012 χ^2/NDF:53.6/44

Out: -0.006+/-0.012 χ^2/NDF:62.2/48

All: -0.012+/-0.009 χ^2/NDF: 116.4/93



Right In: 63.601+/-0.014 χ^2/NDF: 1009584.5/21

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

Right Out: 61.615+/-0.013 χ^2/NDF: 1119832.2/24

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

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

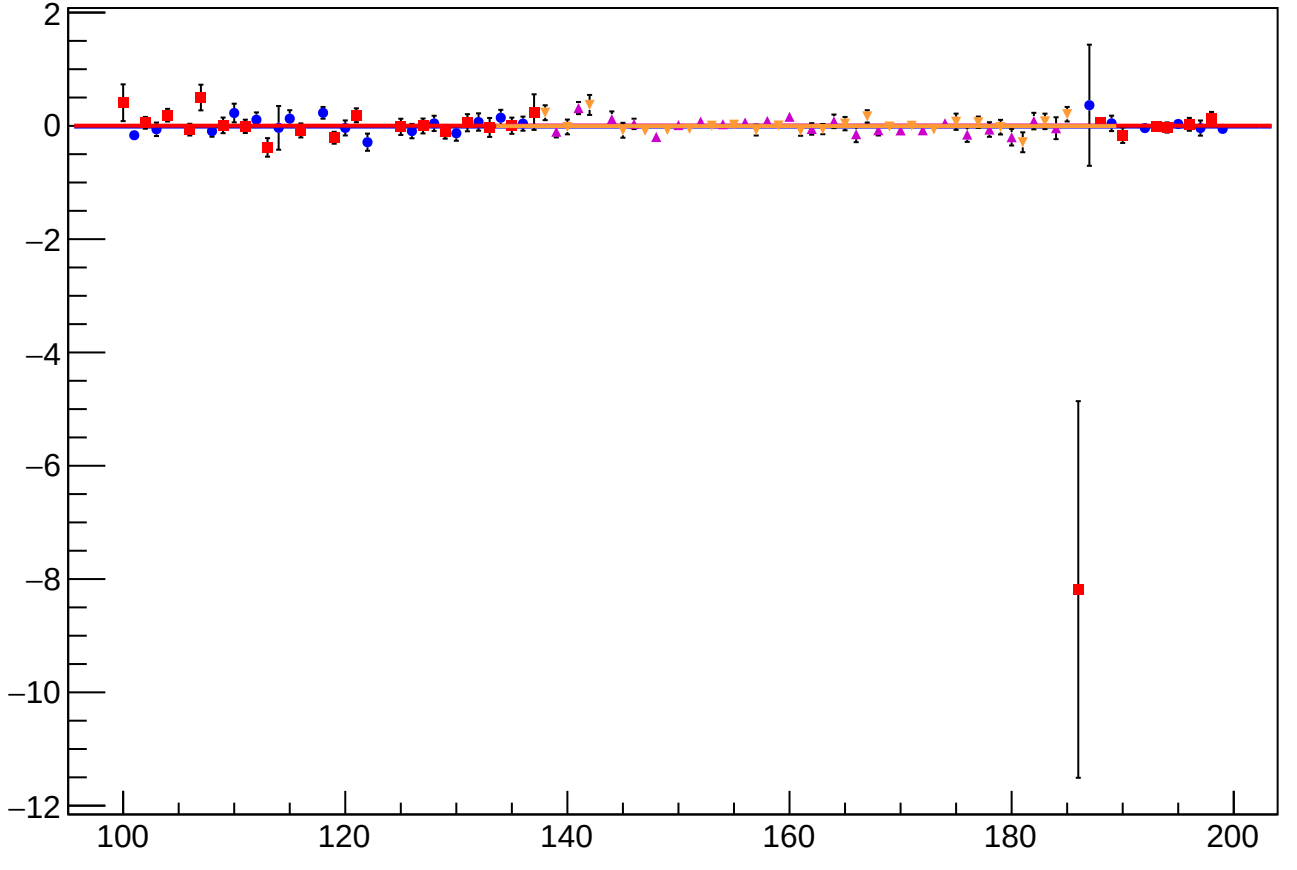
Right: 62.545+/-0.010 χ^2/NDF: 2139876.4/46

In: 63.198+/-0.009 χ^2/NDF:2441284.7/44

Out: 62.258+/-0.008 χ^2/NDF:3063142.8/48

All: 62.716+/-0.006 χ^2/NDF: 5510456.2/93

asym_us_avg_eigen_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.013+/-0.025 χ^2/NDF: 21.2/21

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

Right Out: 0.003+/-0.024 χ^2/NDF: 33.3/24

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

Left: -0.001+/-0.015 χ^2/NDF: 51.9/46

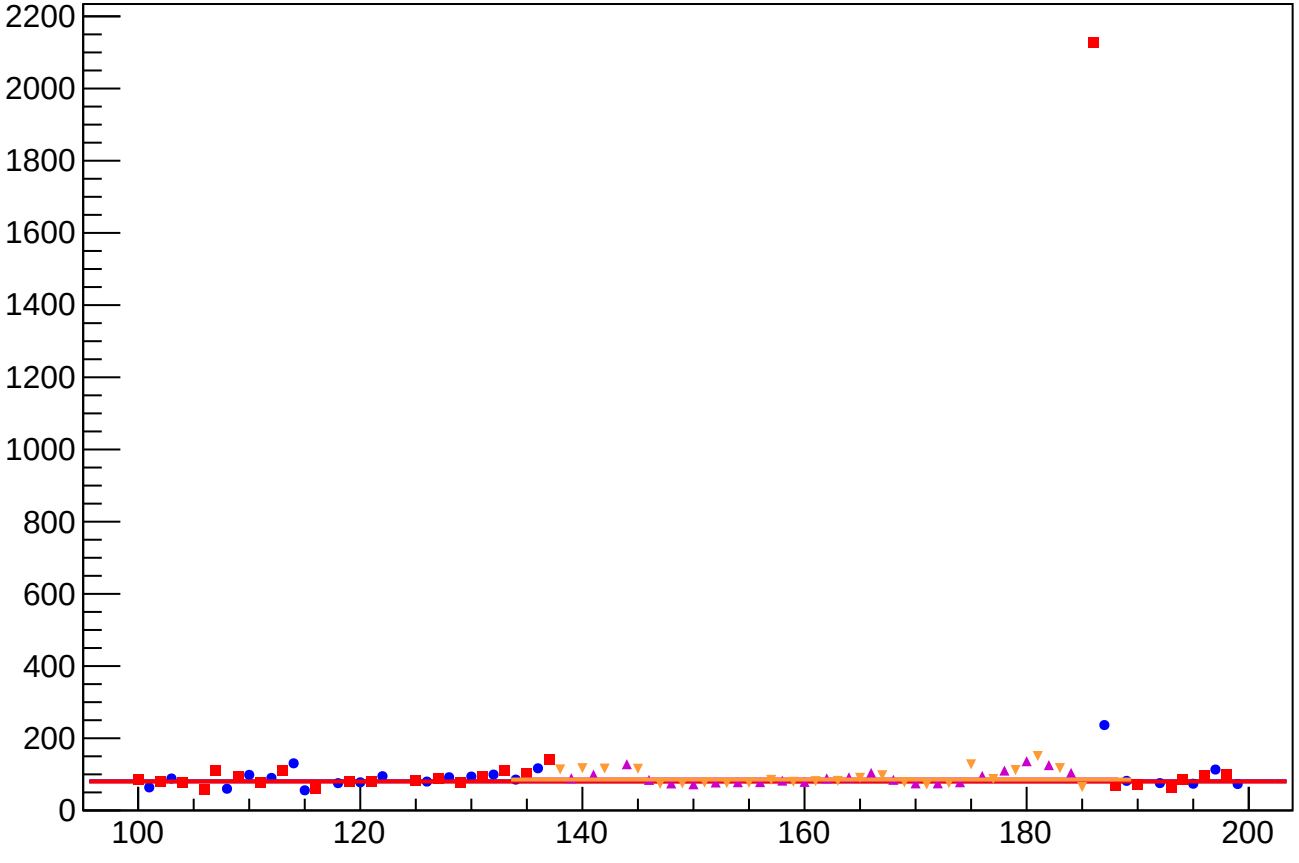
Right: -0.005+/-0.017 χ^2/NDF: 54.7/46

In: -0.004+/-0.016 χ^2/NDF:51.9/44

Out: -0.001+/-0.016 χ^2/NDF:54.7/48

All: -0.003+/-0.011 χ^2/NDF: 106.6/93

asym_us_avg_eigen_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



Right In: 80.724+/-0.018 χ^2/NDF: 764204.8/21

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

Right Out: 80.268+/-0.017 χ^2/NDF: 1512714.6/24

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

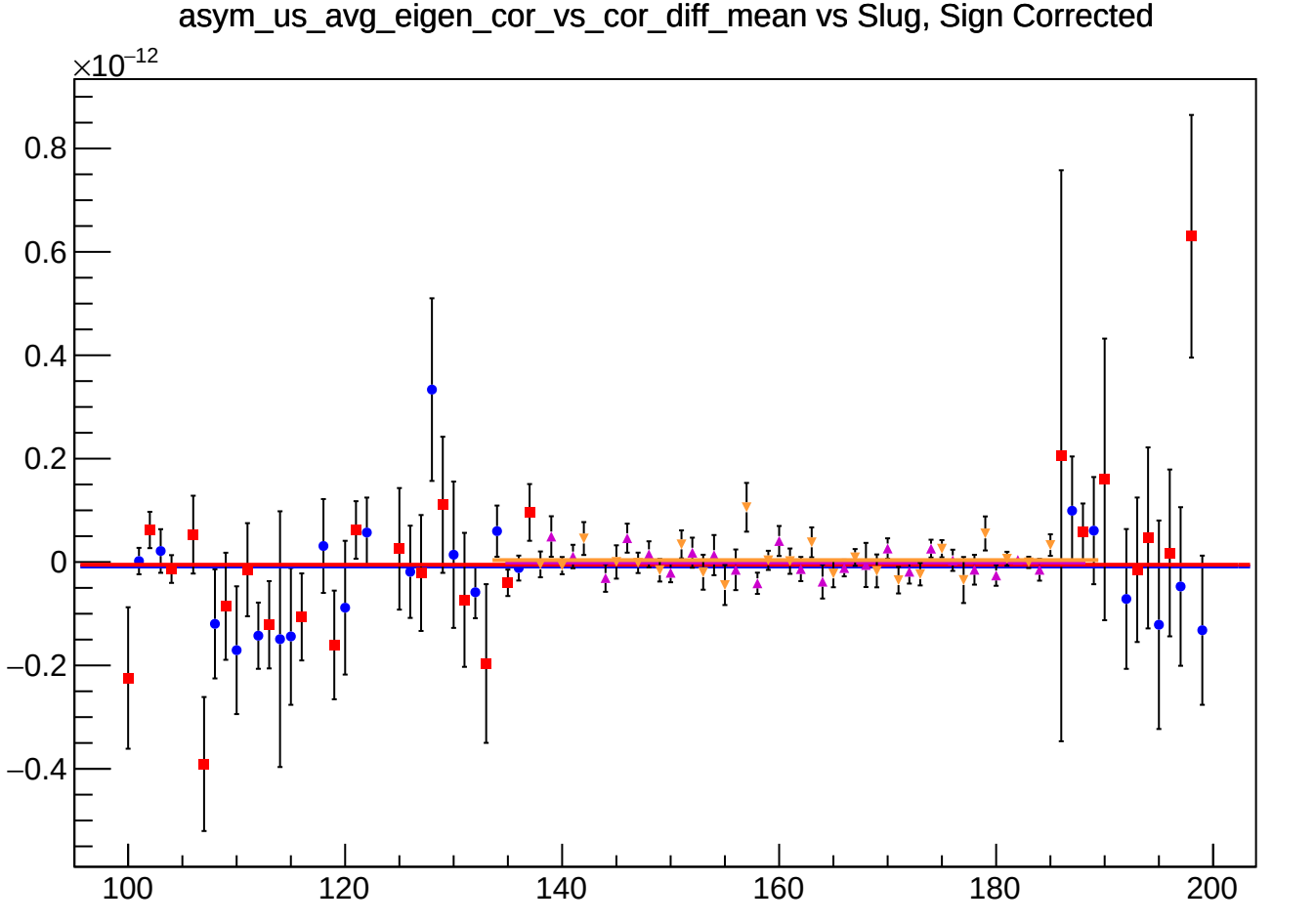
Left: 85.665+/-0.010 χ^2/NDF: 2348601.5/46

Right: 80.489+/-0.012 χ^2/NDF: 2277257.8/46

In: 83.682+/-0.011 χ^2/NDF:1806356.1/44

Out: 83.395+/-0.011 χ^2/NDF:2922222.8/48

All: 83.537+/-0.008 χ^2/NDF: 4728905.6/93



Right In: -0.000+/-0.000 χ^2/NDF: 20.3/21

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

Right Out: -0.000+/-0.000 χ^2/NDF: 40.6/24

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

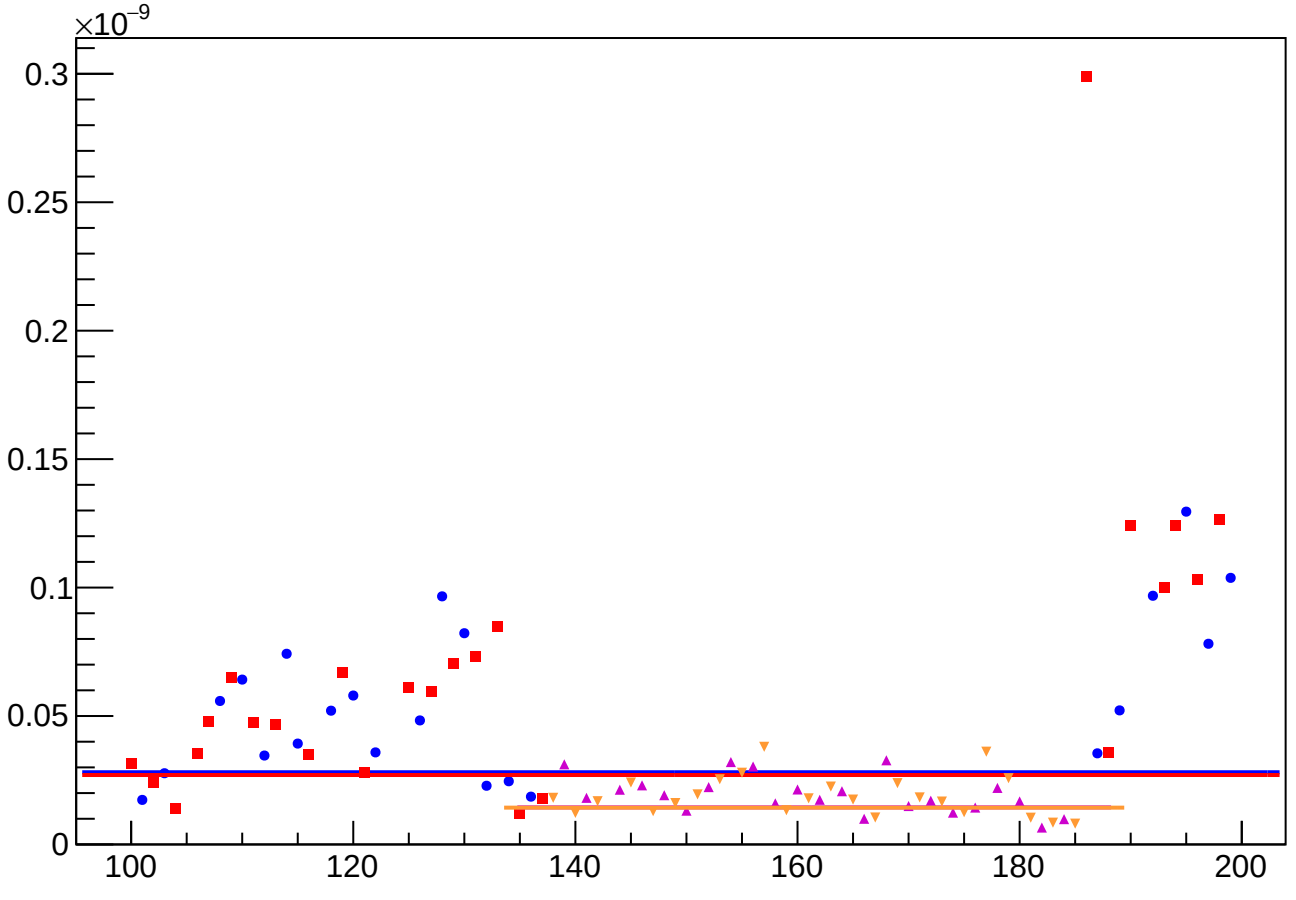
Left: 0.000+/-0.000 χ^2/NDF: 49.2/46

Right: -0.000+/-0.000 χ^2/NDF: 60.9/46

In: -0.000+/-0.000 χ^2/NDF:44.2/44

Out: 0.000+/-0.000 χ^2/NDF:66.0/48

All: 0.000+/-0.000 χ^2/NDF: 110.8/93



Right In: 0.000+/-0.000 χ^2/NDF: 3981208.9/21

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

Right Out: 0.000+/-0.000 χ^2/NDF: 5941520.8/24

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

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

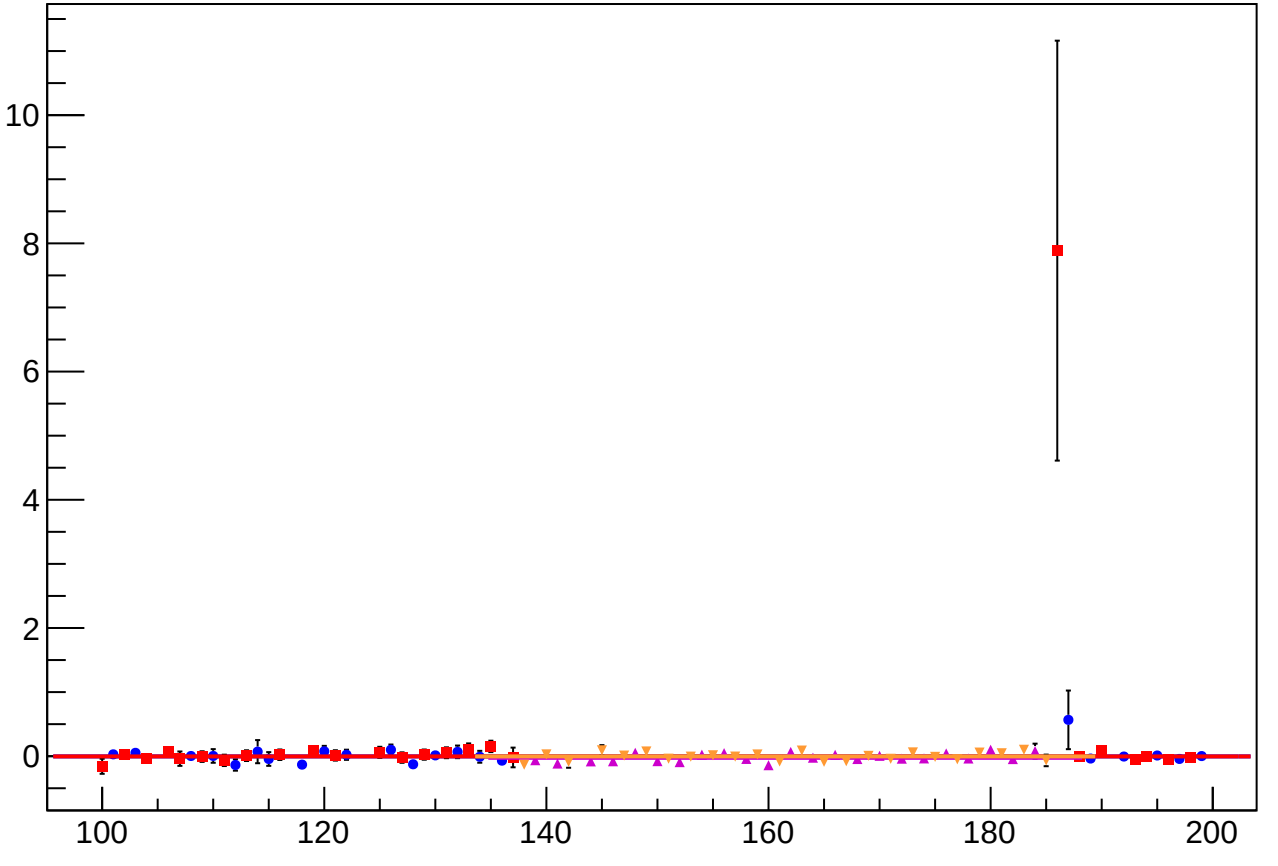
Right: 0.000+/-0.000 χ^2/NDF: 9929732.2/46

In: 0.000+/-0.000 χ^2/NDF:10263883.1/44

Out: 0.000+/-0.000 χ^2/NDF:11304284.6/48

All: 0.000+/-0.000 χ^2/NDF: 21571021.3/93

asym_us_avg_overload_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.003+/-0.010 χ^2/NDF: 19.6/21

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

Right Out: -0.003+/-0.010 χ^2/NDF: 28.9/24

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

Left: -0.014+/-0.009 χ^2/NDF: 49.0/46

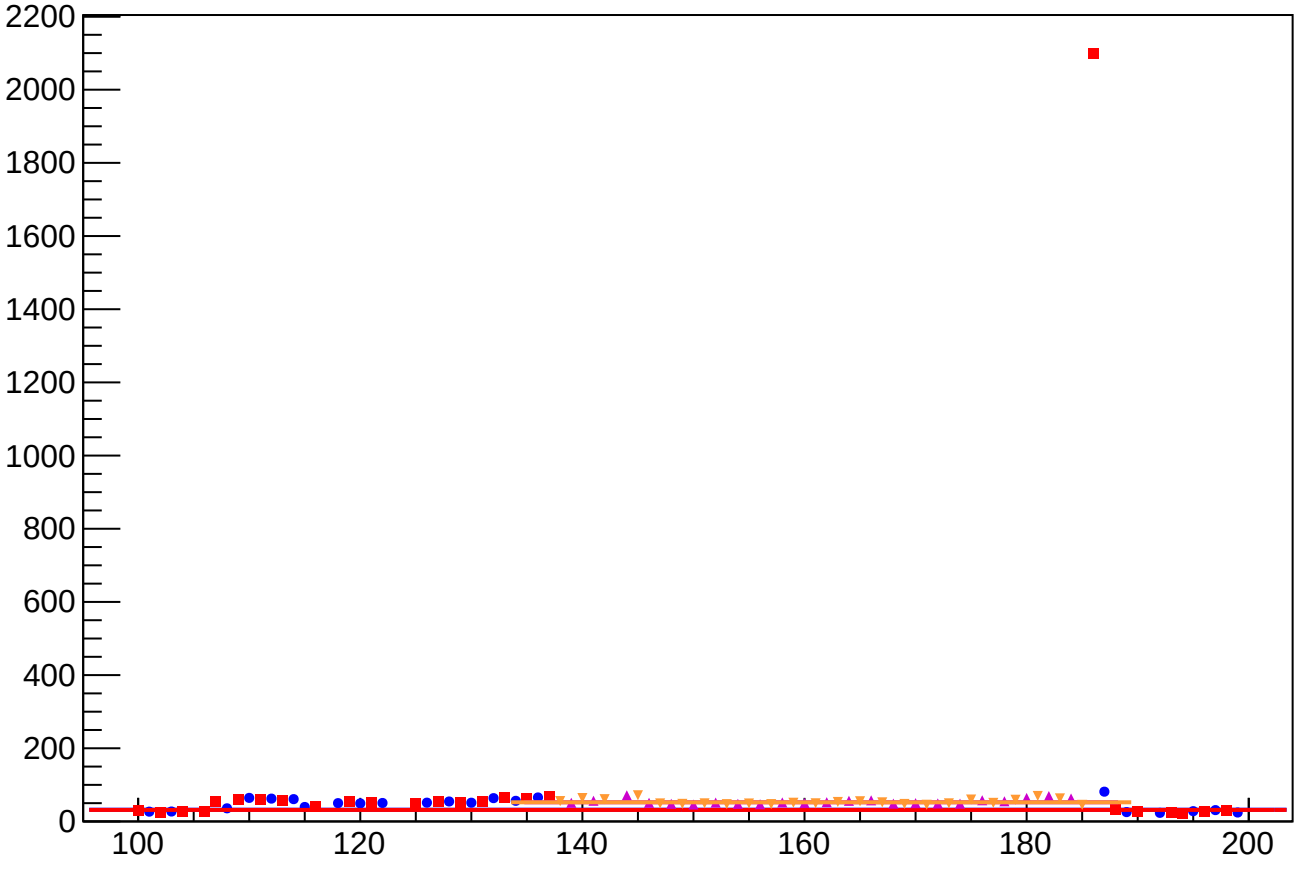
Right: -0.003+/-0.007 χ^2/NDF: 48.5/46

In: -0.012+/-0.008 χ^2/NDF:45.8/44

Out: -0.003+/-0.008 χ^2/NDF:52.0/48

All: -0.008+/-0.006 χ^2/NDF: 98.4/93

asym_us_avg_overload_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 32.108+/-0.007 χ^2/NDF: 2637016.0/21

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

Right Out: 31.509+/-0.007 χ^2/NDF: 3578519.0/24

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

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

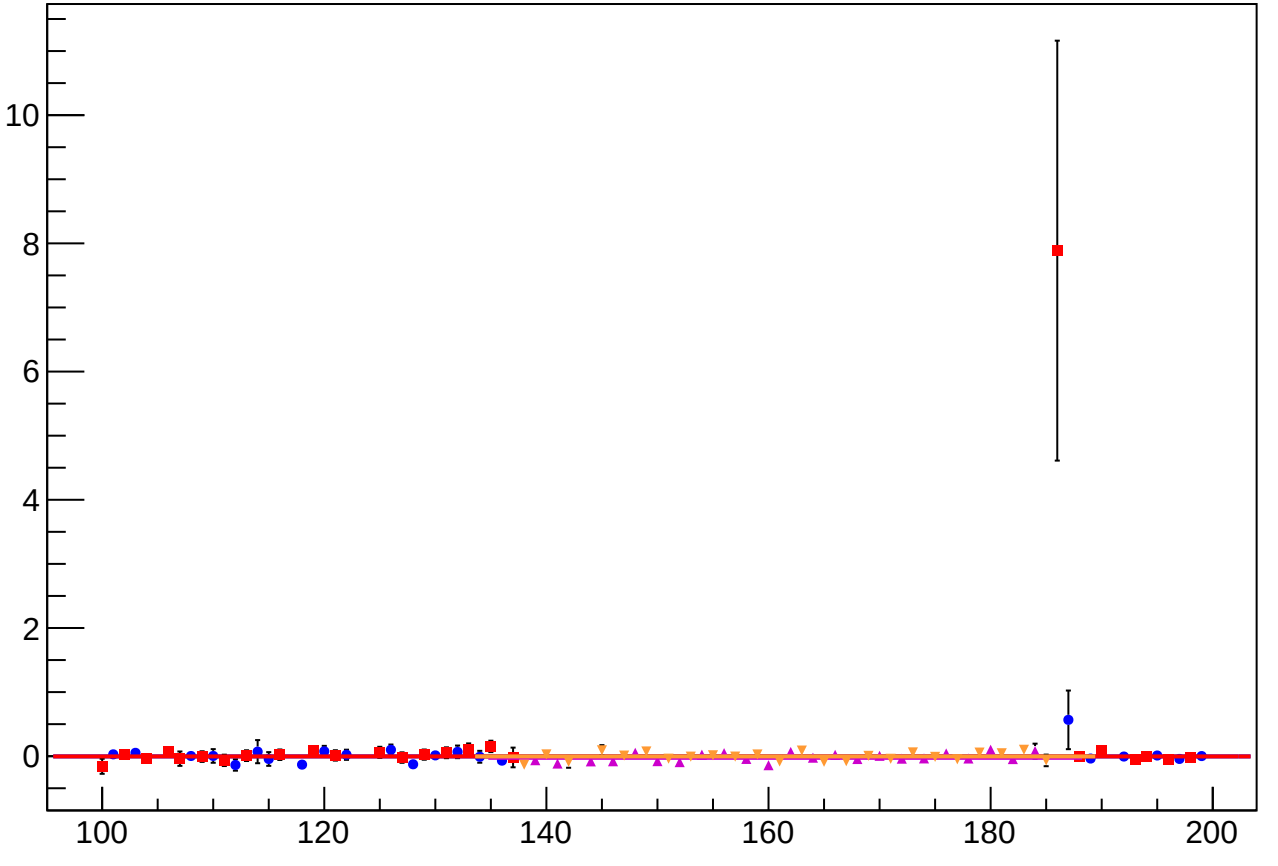
Right: 31.796+/-0.005 χ^2/NDF: 6218968.4/46

In: 40.470+/-0.006 χ^2/NDF:6209724.6/44

Out: 39.731+/-0.006 χ^2/NDF:7516799.2/48

All: 40.090+/-0.004 χ^2/NDF: 13735259.6/93

asym_us_avg_overload_cor_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.003+/-0.010 χ^2/NDF: 19.6/21

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

Right Out: -0.003+/-0.010 χ^2/NDF: 28.9/24

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

Left: -0.014+/-0.009 χ^2/NDF: 49.0/46

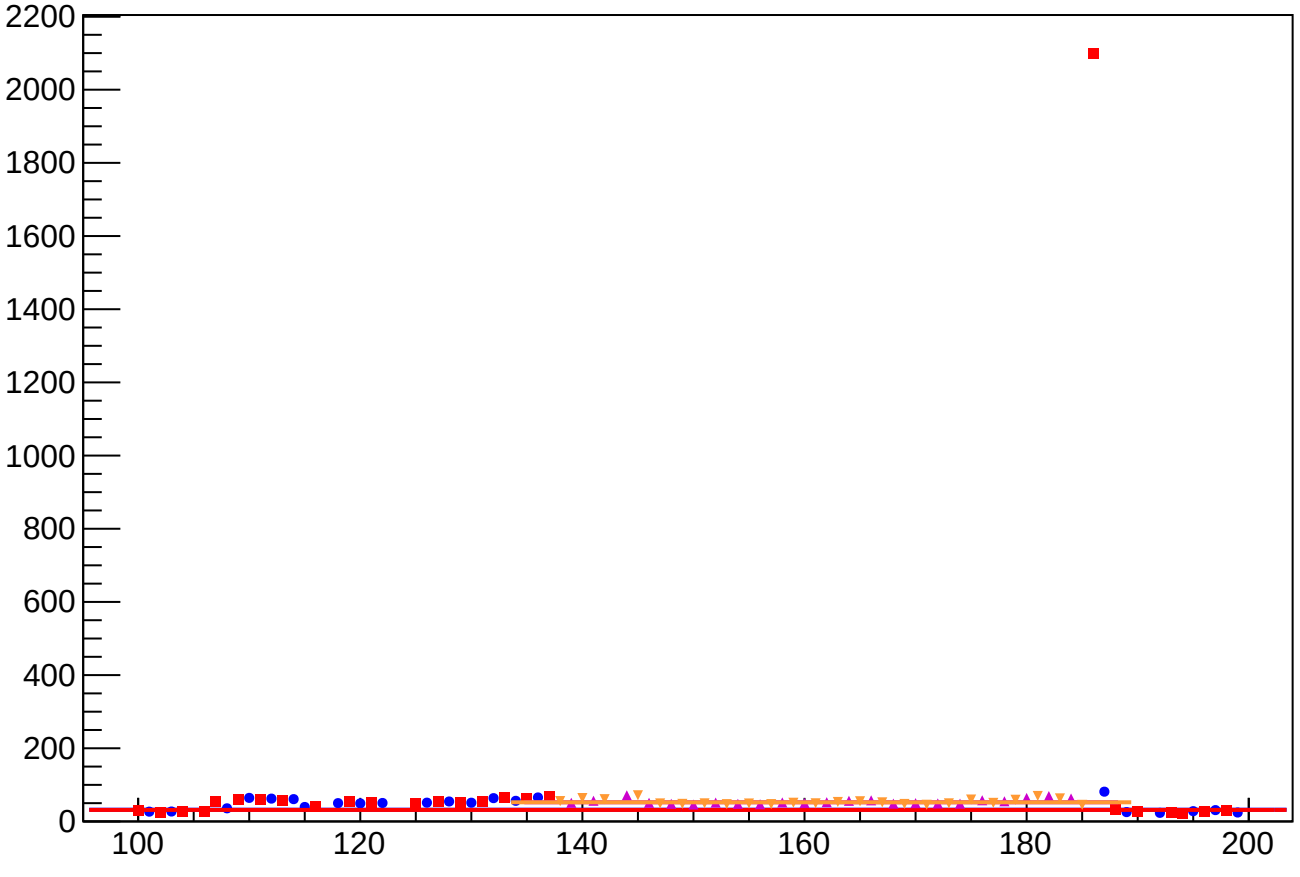
Right: -0.003+/-0.007 χ^2/NDF: 48.5/46

In: -0.012+/-0.008 χ^2/NDF:45.8/44

Out: -0.003+/-0.008 χ^2/NDF:52.0/48

All: -0.008+/-0.006 χ^2/NDF: 98.4/93

asym_us_avg_overload_cor_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 32.108+/-0.007 χ^2/NDF: 2637016.0/21

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

Right Out: 31.509+/-0.007 χ^2/NDF: 3578519.0/24

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

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

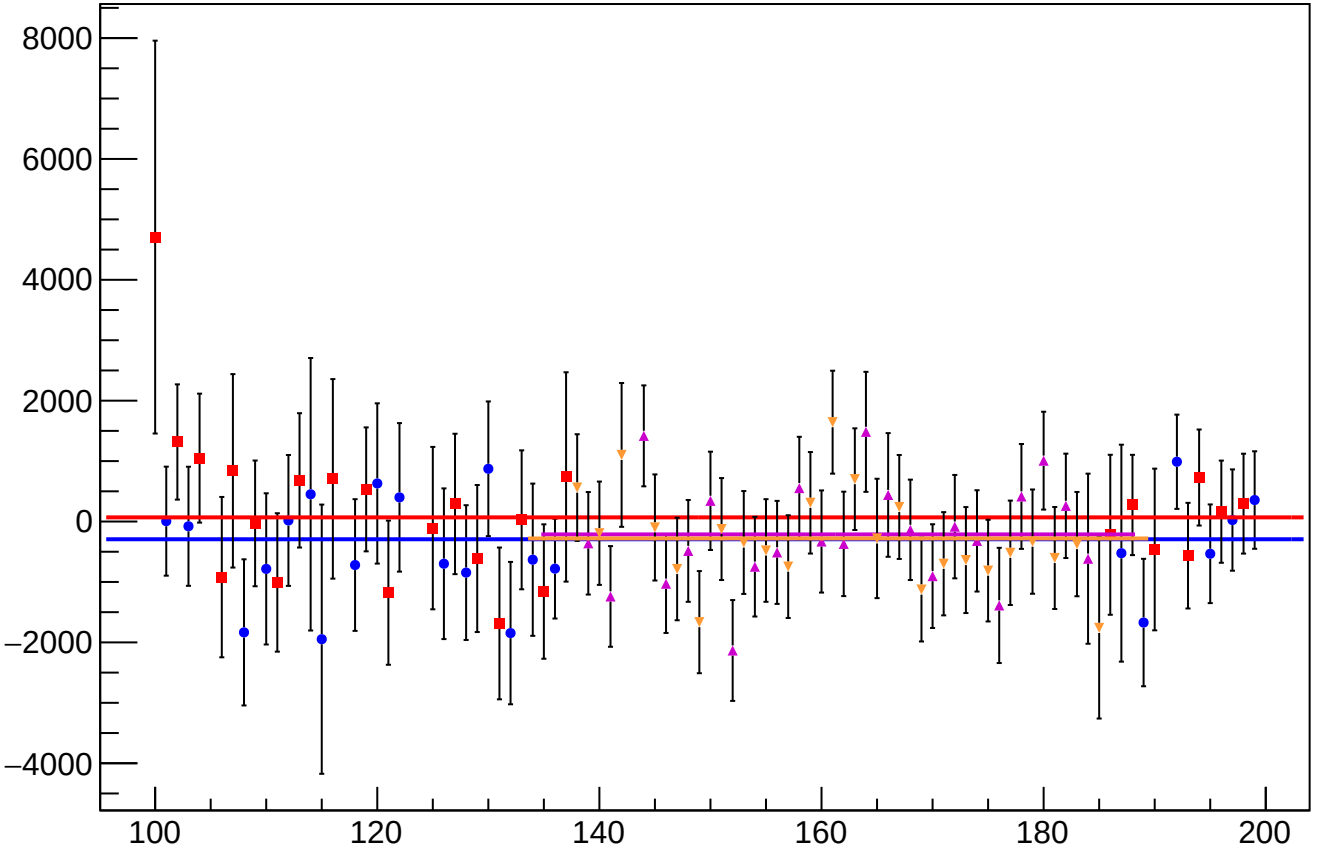
Right: 31.796+/-0.005 χ^2/NDF: 6218968.4/46

In: 40.470+/-0.006 χ^2/NDF:6209724.6/44

Out: 39.731+/-0.006 χ^2/NDF:7516799.2/48

All: 40.090+/-0.004 χ^2/NDF: 13735259.6/93

reg_asym_us_dd_mean vs Slug, Sign Corrected



Right In: -293.389+/-227.681 χ^2/NDF: 12.5/21

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

Right Out: 68.855+/-221.464 χ^2/NDF: 13.3/24

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

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

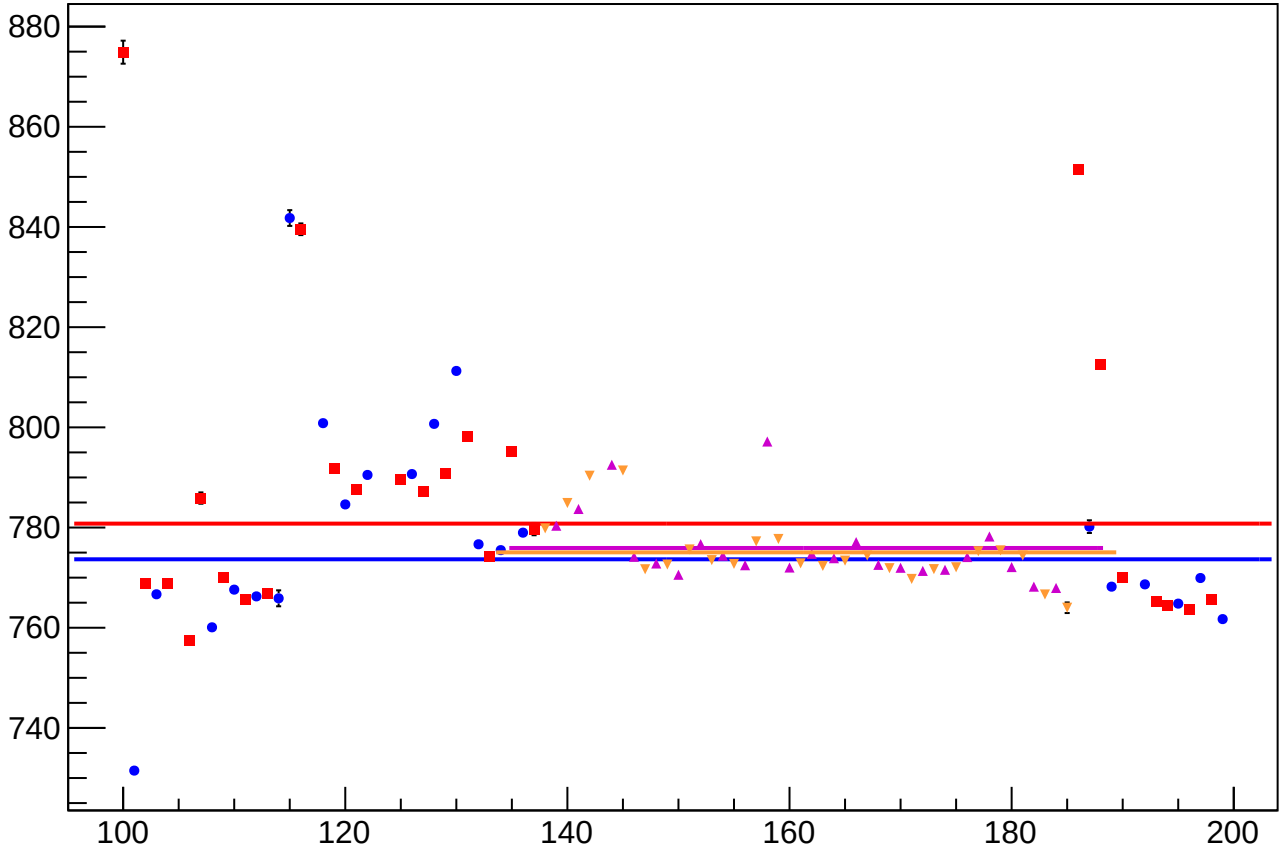
Right: -107.254+/-158.751 χ^2/NDF: 27.1/46

In: -244.426+/-141.765 χ^2/NDF:35.0/44

Out: -141.553+/-139.626 χ^2/NDF:30.8/48

All: -192.208+/-99.478 χ^2/NDF: 66.1/93

reg_asym_us_dd_rms vs Slug, Sign Corrected



Right In: 773.663+/-0.161 χ^2/NDF: 13315.9/21

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

Right Out: 780.784+/-0.157 χ^2/NDF: 19418.3/24

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

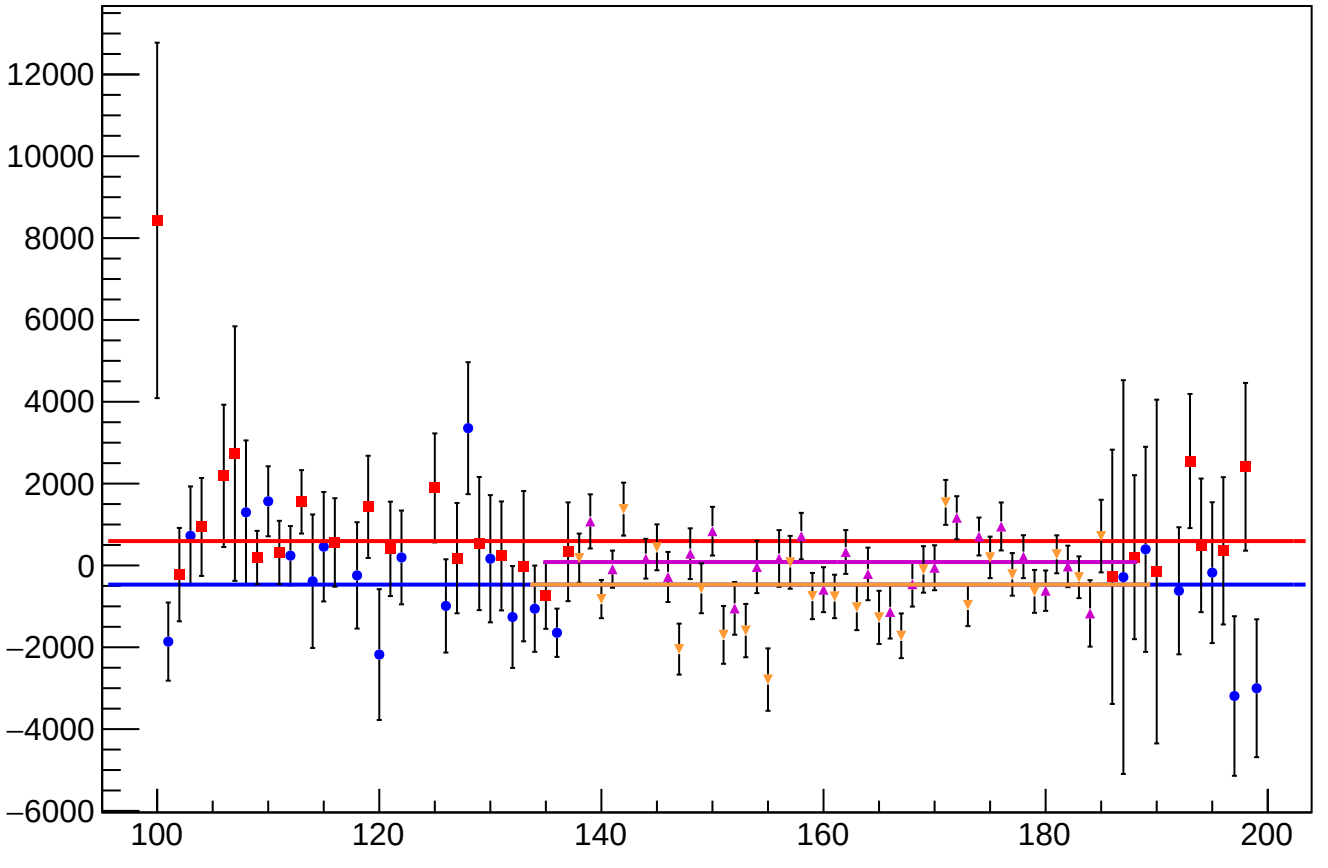
Left: 775.483+/-0.090 χ^2/NDF: 4947.6/46

Right: 777.322+/-0.112 χ^2/NDF: 33739.6/46

In: 775.046+/-0.100 χ^2/NDF:16409.4/44

Out: 777.329+/-0.099 χ^2/NDF:22177.6/48

All: 776.205+/-0.070 χ^2/NDF: 38850.3/93



Right In: -468.484+/-252.950 χ^2/NDF: 27.8/21

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

Right Out: 595.385+/-248.673 χ^2/NDF: 14.1/24

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

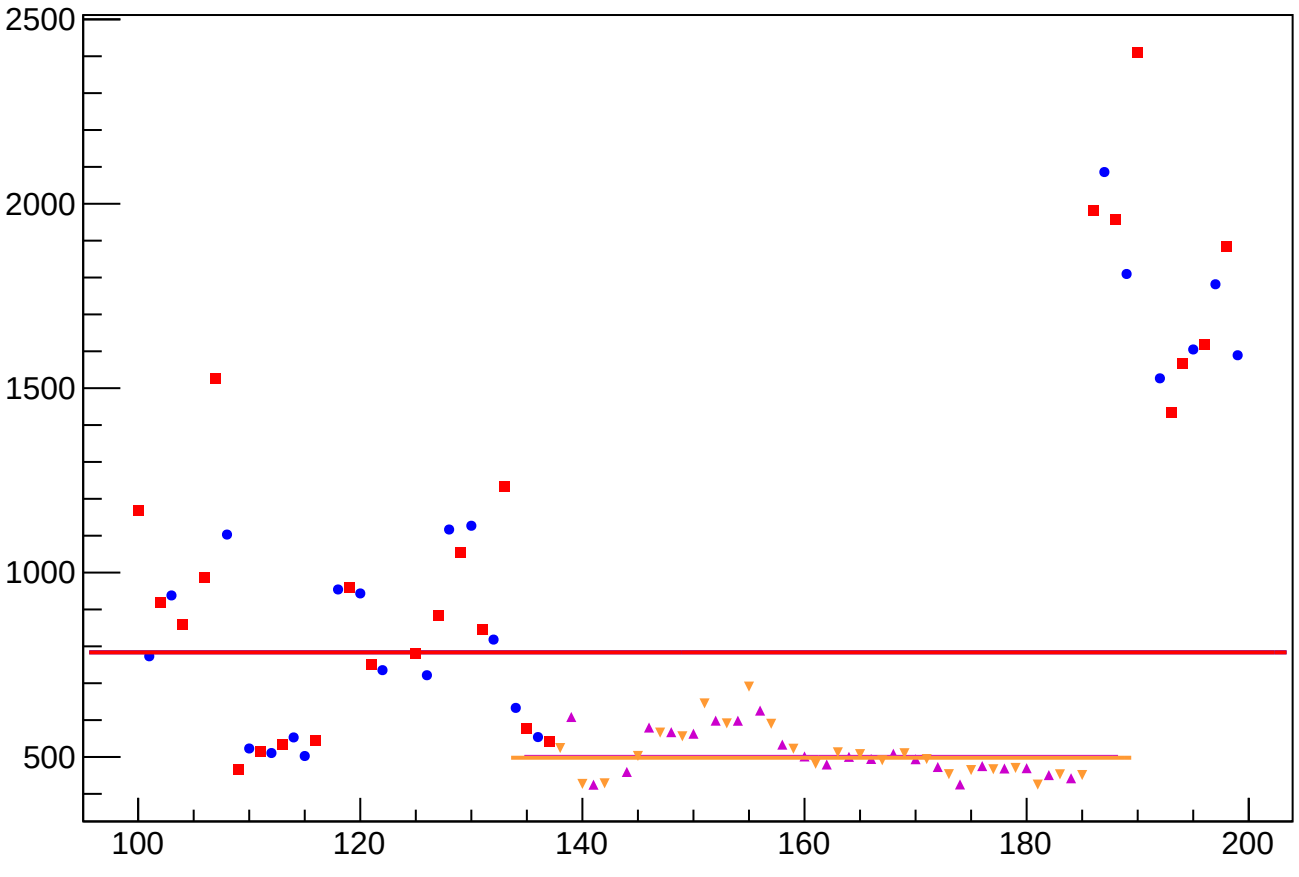
Left: -194.569+/-82.913 χ^2/NDF: 103.6/46

Right: 72.522+/-177.331 χ^2/NDF: 50.9/46

In: -15.173+/-106.794 χ^2/NDF:59.8/44

Out: -275.346+/-105.654 χ^2/NDF:93.5/48

All: -146.655+/-75.108 χ^2/NDF: 156.3/93



Right In: 783.805+/-0.179 χ^2/NDF: 3666805.0/21

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

Right Out: 783.576+/-0.176 χ^2/NDF: 4718923.7/24

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

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

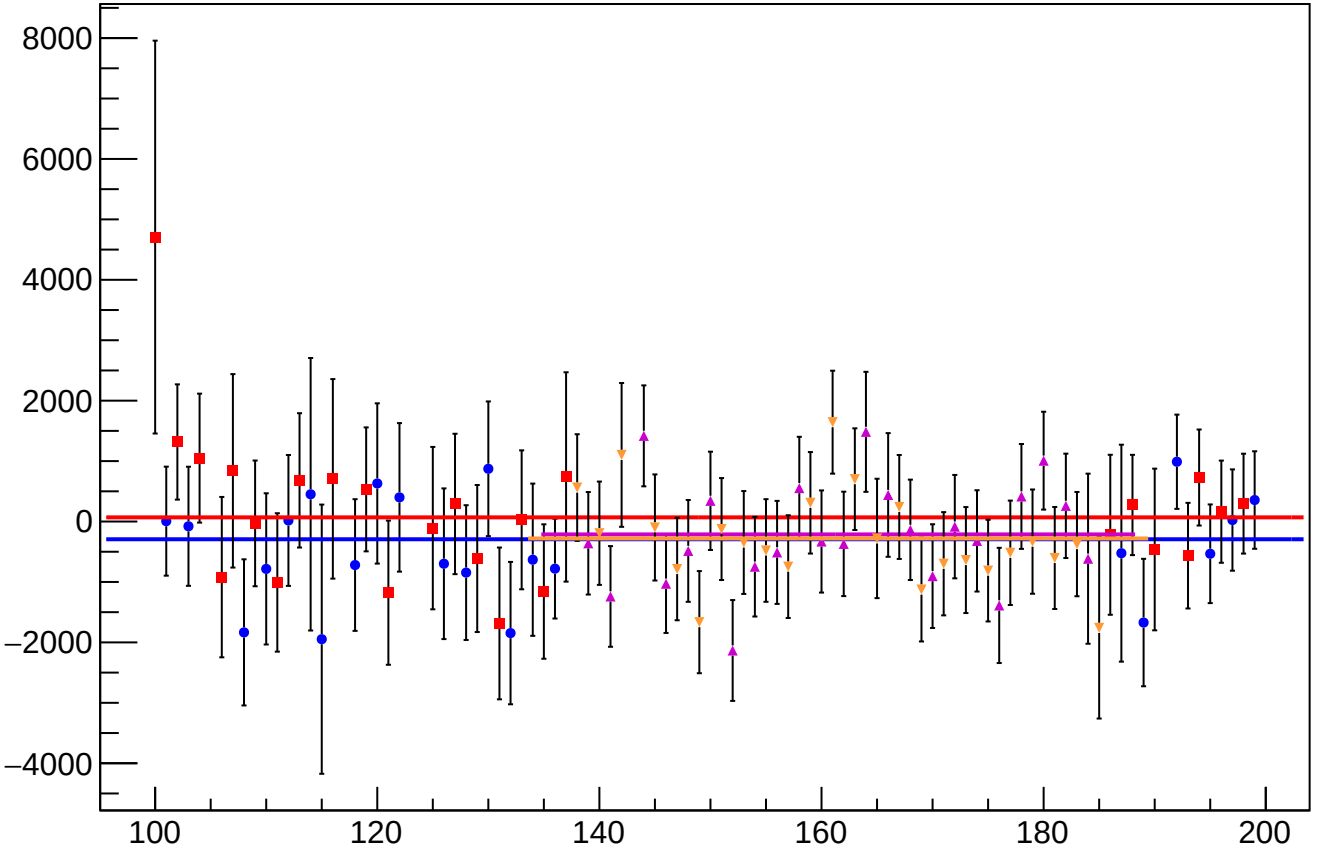
Right: 783.688+/-0.125 χ^2/NDF: 8385729.6/46

In: 550.839+/-0.076 χ^2/NDF:6208626.6/44

Out: 549.523+/-0.075 χ^2/NDF:7407932.8/48

All: 550.174+/-0.053 χ^2/NDF: 13616712.9/93

cor_asym_us_dd_mean vs Slug, Sign Corrected



Right In: -293.389+/-227.681 χ^2/NDF: 12.5/21

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

Right Out: 68.855+/-221.464 χ^2/NDF: 13.3/24

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

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

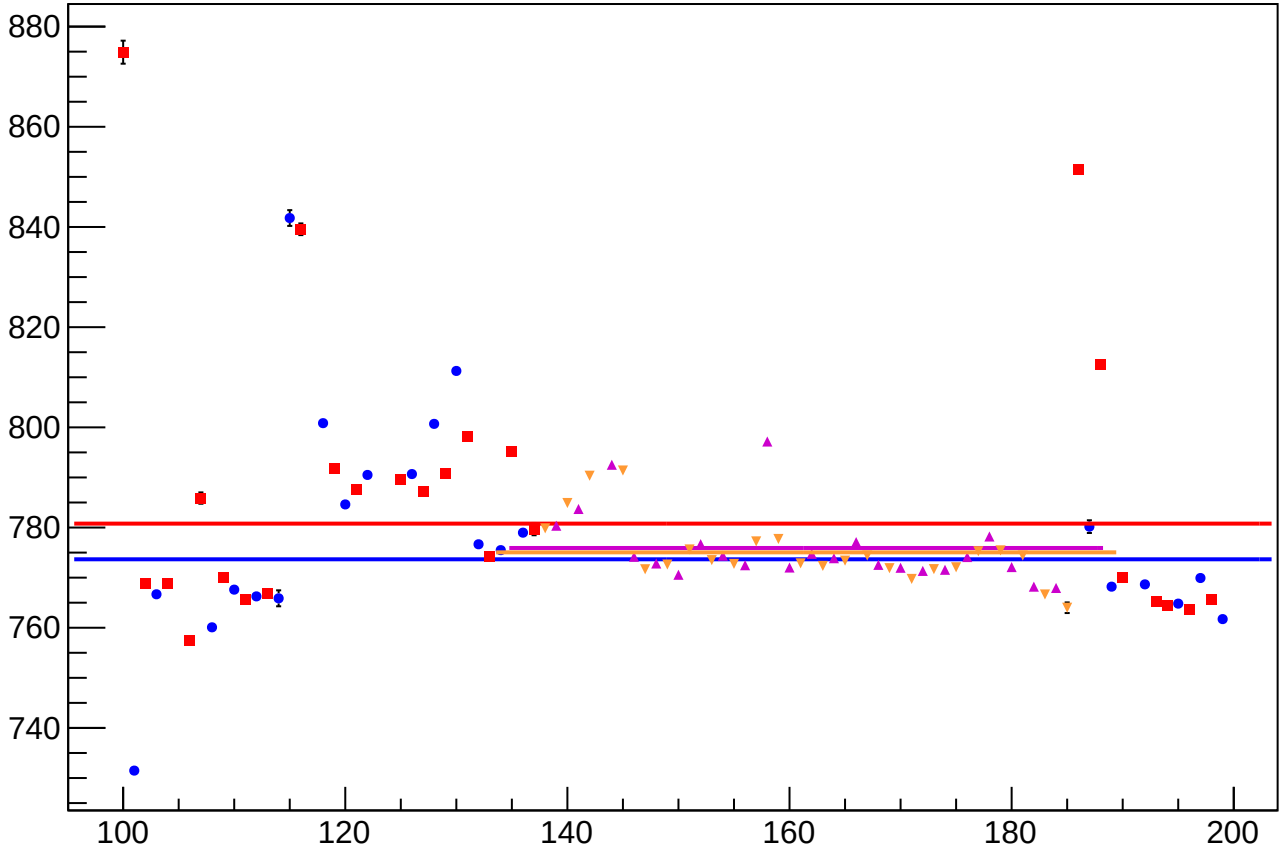
Right: -107.254+/-158.751 χ^2/NDF: 27.1/46

In: -244.426+/-141.765 χ^2/NDF:35.0/44

Out: -141.553+/-139.626 χ^2/NDF:30.8/48

All: -192.208+/-99.478 χ^2/NDF: 66.1/93

cor_asym_us_dd_rms vs Slug, Sign Corrected



Right In: 773.663+/-0.161 χ^2/NDF: 13315.9/21

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

Right Out: 780.784+/-0.157 χ^2/NDF: 19418.3/24

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

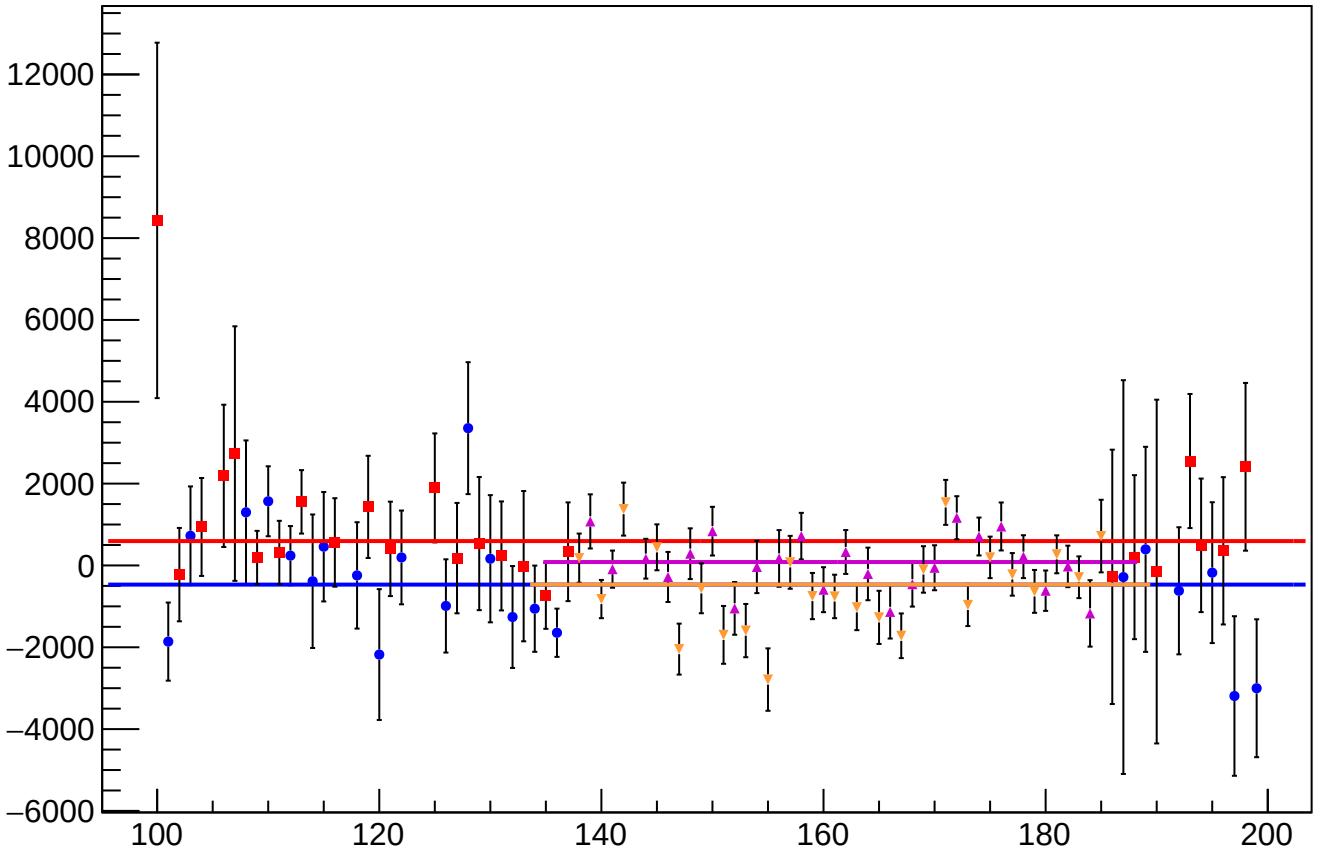
Left: 775.483+/-0.090 χ^2/NDF: 4947.6/46

Right: 777.322+/-0.112 χ^2/NDF: 33739.6/46

In: 775.046+/-0.100 χ^2/NDF:16409.4/44

Out: 777.329+/-0.099 χ^2/NDF:22177.6/48

All: 776.205+/-0.070 χ^2/NDF: 38850.3/93



Right In: -468.484+/-252.950 χ^2/NDF: 27.8/21

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

Right Out: 595.385+/-248.673 χ^2/NDF: 14.1/24

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

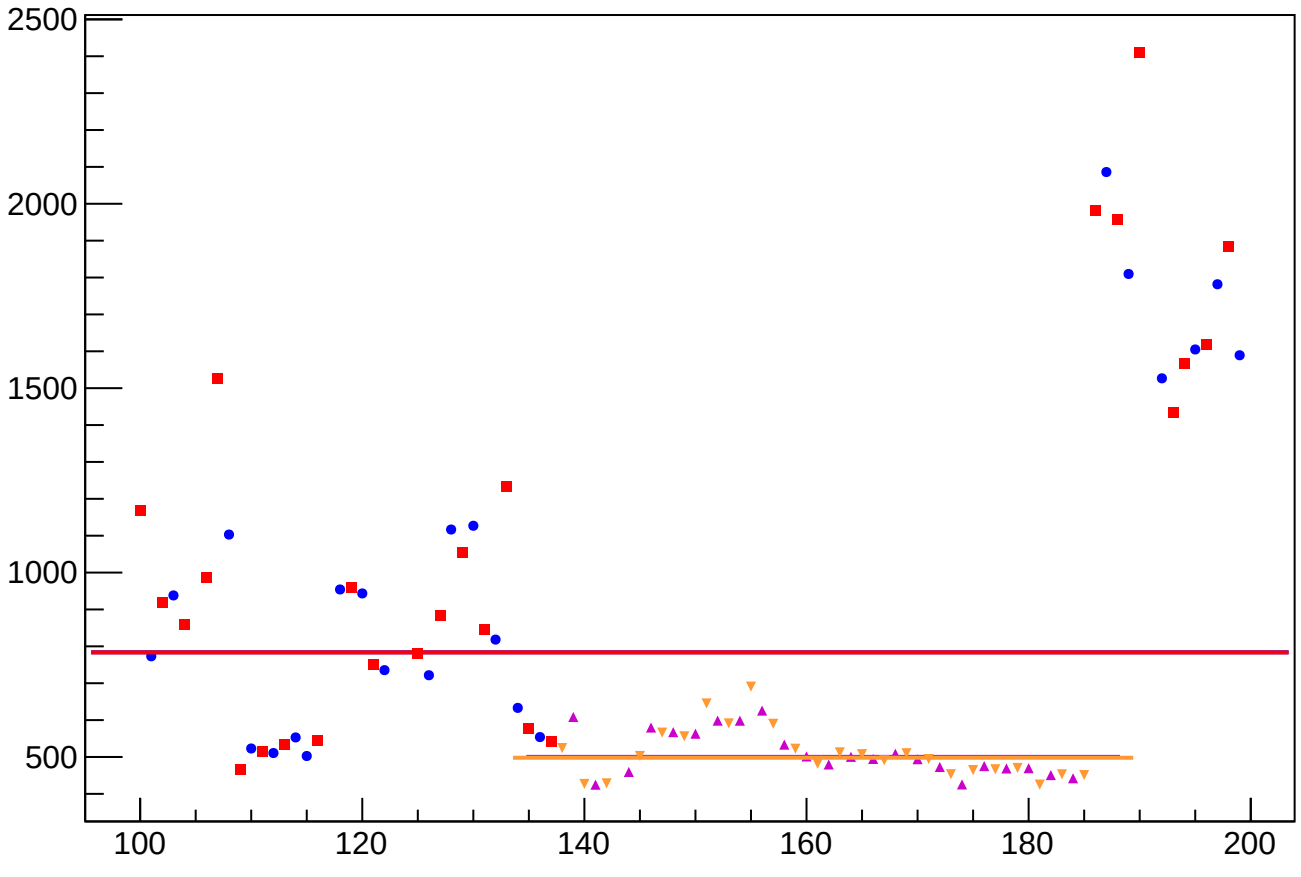
Left: -194.569+/-82.913 χ^2/NDF: 103.6/46

Right: 72.522+/-177.331 χ^2/NDF: 50.9/46

In: -15.173+/-106.794 χ^2/NDF:59.8/44

Out: -275.346+/-105.654 χ^2/NDF:93.5/48

All: -146.655+/-75.108 χ^2/NDF: 156.3/93



Right In: 783.805+/-0.179 χ^2/NDF: 3666805.0/21

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

Right Out: 783.576+/-0.176 χ^2/NDF: 4718923.7/24

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

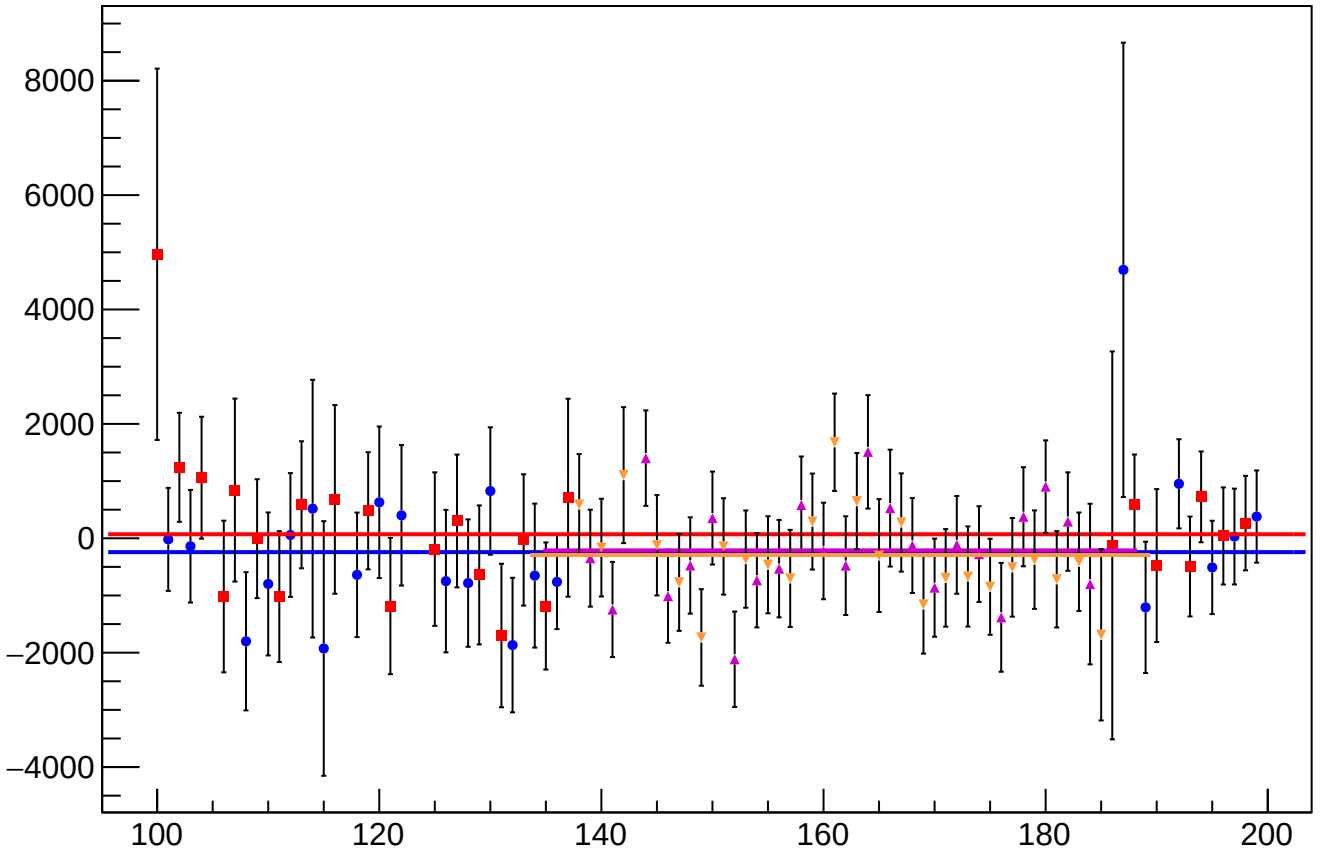
Left: 499.125+/-0.059 χ^2/NDF: 1004780.2/46

Right: 783.688+/-0.125 χ^2/NDF: 8385729.6/46

In: 550.839+/-0.076 χ^2/NDF:6208626.6/44

Out: 549.523+/-0.075 χ^2/NDF:7407932.8/48

All: 550.174+/-0.053 χ^2/NDF: 13616712.9/93



Right In: -241.957+/-229.802 χ^2/NDF: 12.7/21

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

Right Out: 70.251+/-224.846 χ^2/NDF: 13.6/24

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

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

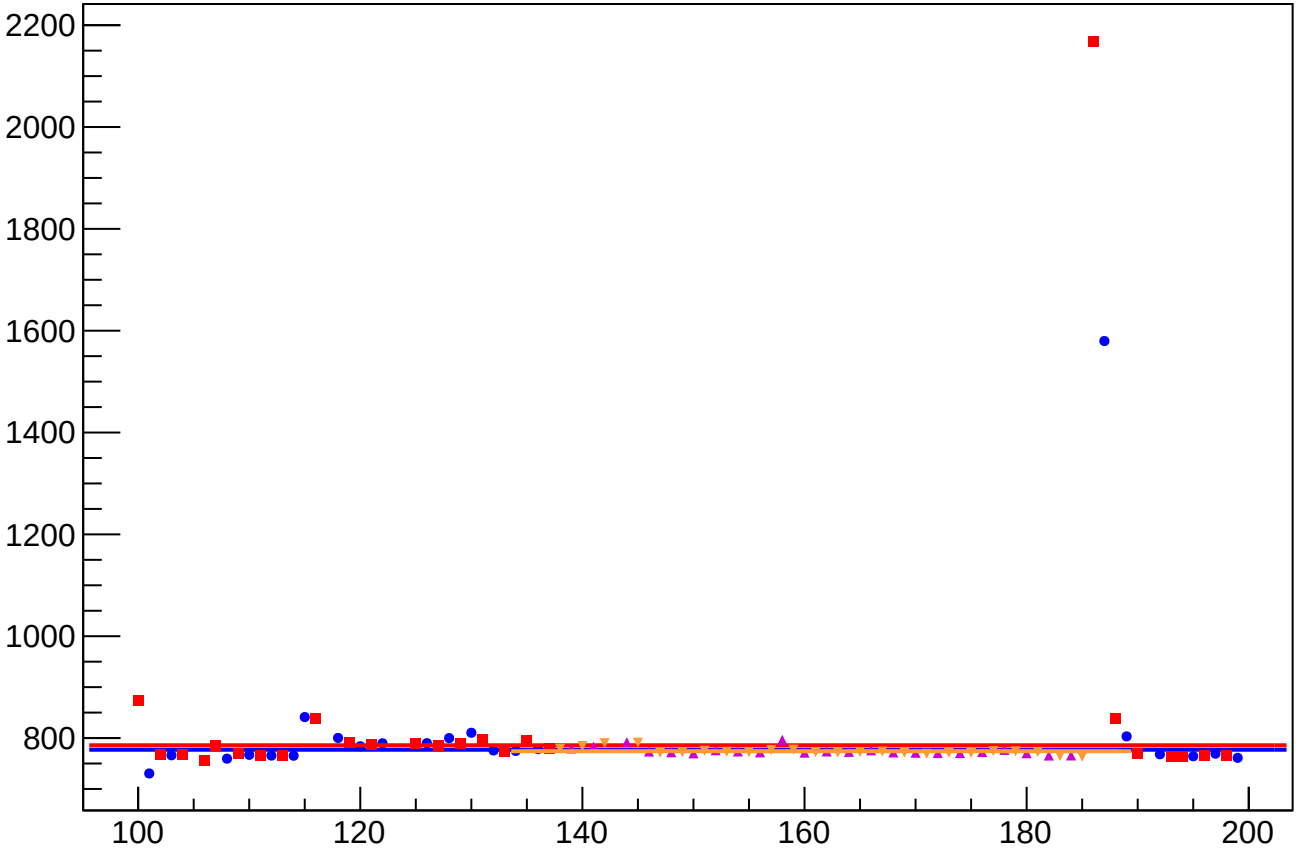
Right: -82.451+/-160.714 χ^2/NDF: 27.2/46

In: -222.995+/-142.167 χ^2/NDF:34.8/44

Out: -150.854+/-140.362 χ^2/NDF:31.8/48

All: -186.464+/-99.883 χ^2/NDF: 66.7/93

overload_cor_asym_us_dd_rms vs Slug, Sign Corrected



Right In: 777.036+/-0.162 χ^2/NDF: 96525.3/21

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

Right Out: 785.836+/-0.159 χ^2/NDF: 352721.1/24

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

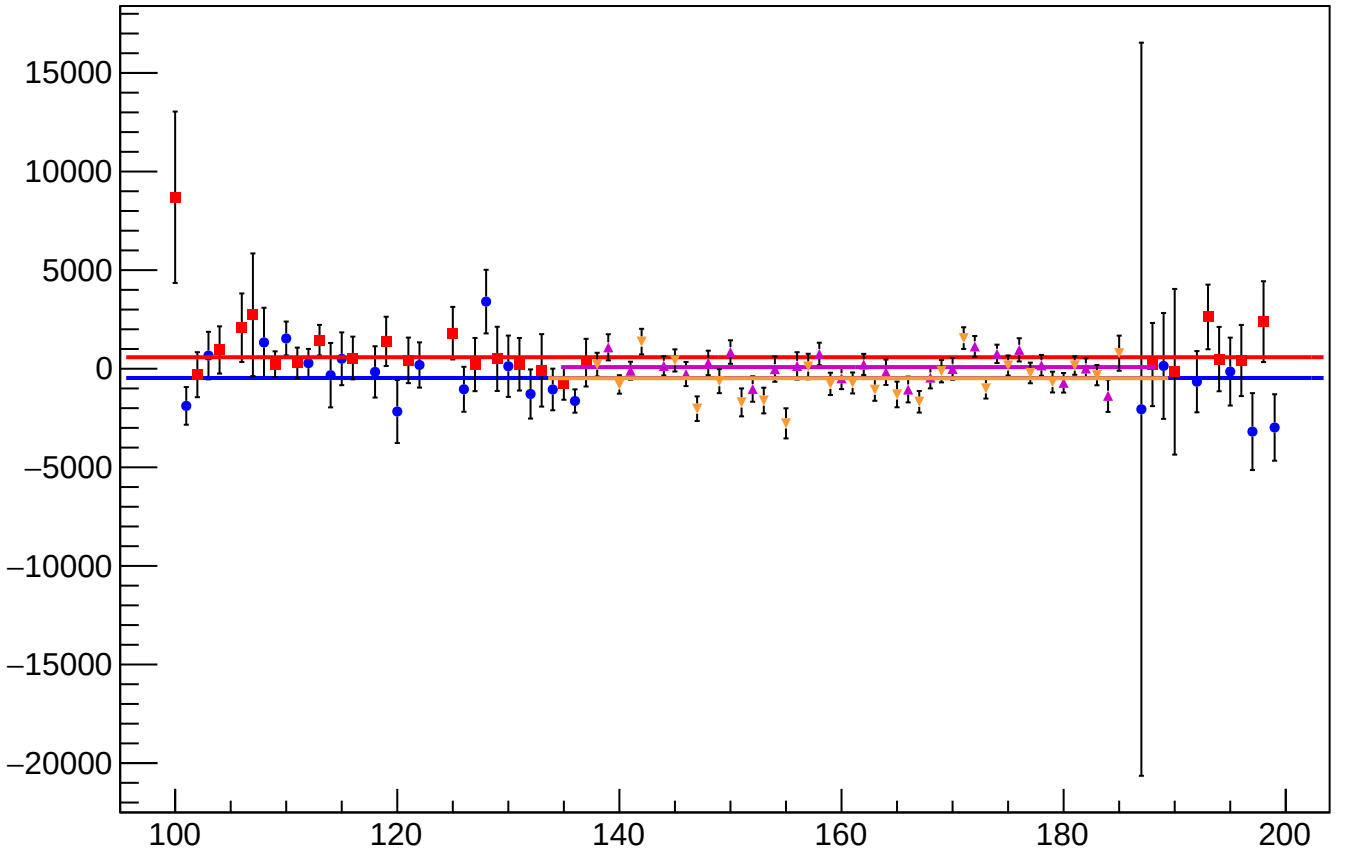
Left: 774.563+/-0.090 χ^2/NDF: 5230.7/46

Right: 781.532+/-0.114 χ^2/NDF: 450744.8/46

In: 775.773+/-0.101 χ^2/NDF:99771.5/44

Out: 778.699+/-0.099 χ^2/NDF:358083.5/48

All: 777.255+/-0.071 χ^2/NDF: 458284.0/93



Right In: -468.878+/-253.781 χ^2/NDF: 27.8/21

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

Right Out: 583.107+/-250.014 χ^2/NDF: 13.9/23

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

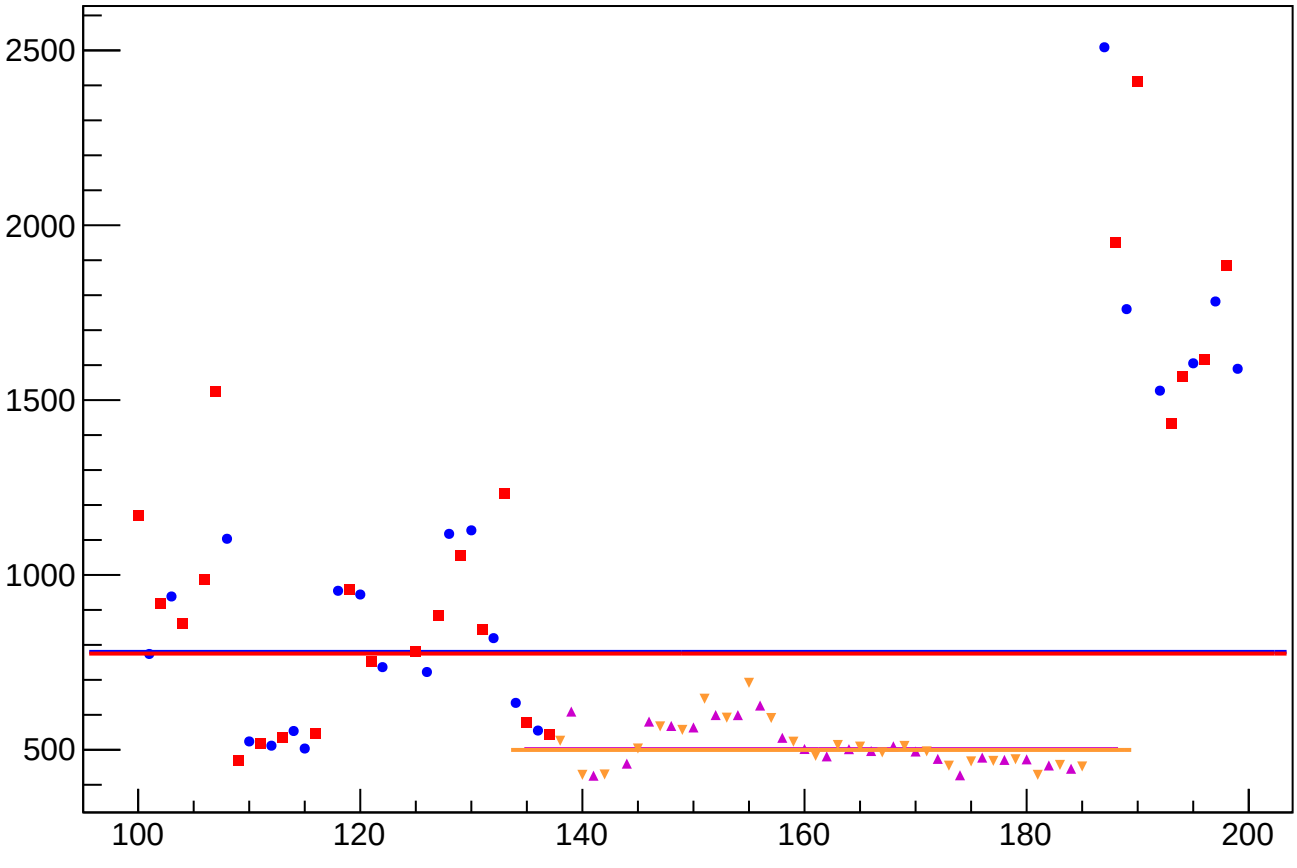
Left: -201.704+/-83.183 χ^2/NDF: 103.3/46

Right: 64.980+/-178.103 χ^2/NDF: 50.4/45

In: -15.208+/-107.144 χ^2/NDF:59.9/44

Out: -289.839+/-106.038 χ^2/NDF:92.2/47

All: -153.948+/-75.368 χ^2/NDF: 155.5/92



Right In: 779.957+/-0.179 χ^2/NDF: 3456397.2/21

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

Right Out: 775.135+/-0.177 χ^2/NDF: 4326620.5/23

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

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

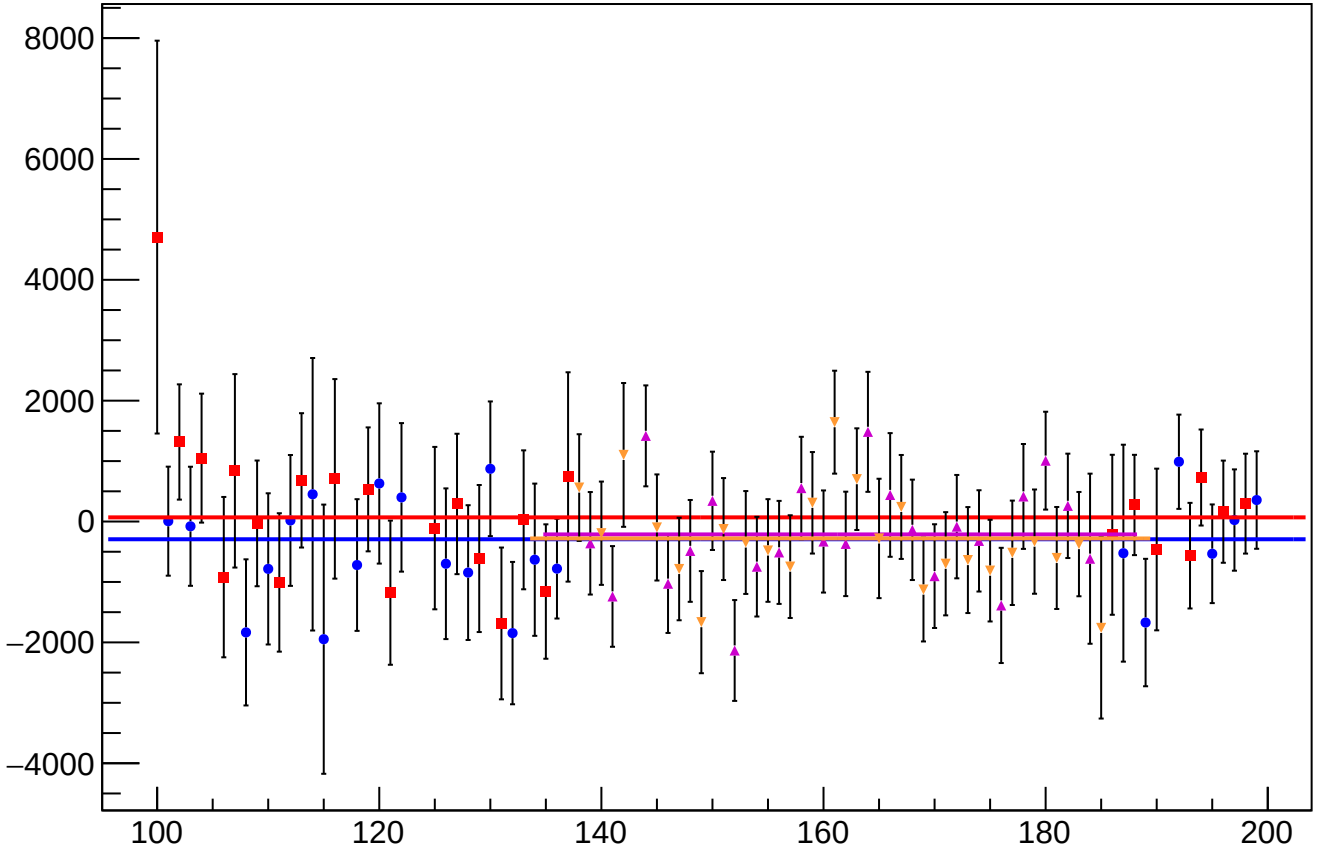
Right: 777.510+/-0.126 χ^2/NDF: 7783384.2/45

In: 551.566+/-0.076 χ^2/NDF:5895040.6/44

Out: 549.222+/-0.075 χ^2/NDF:6834105.4/47

All: 550.382+/-0.053 χ^2/NDF: 12729629.5/92

eigen_cor_asym_us_dd_mean vs Slug, Sign Corrected



Right In: -293.389+/-227.681 χ^2/NDF: 12.5/21

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

Right Out: 68.855+/-221.464 χ^2/NDF: 13.3/24

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

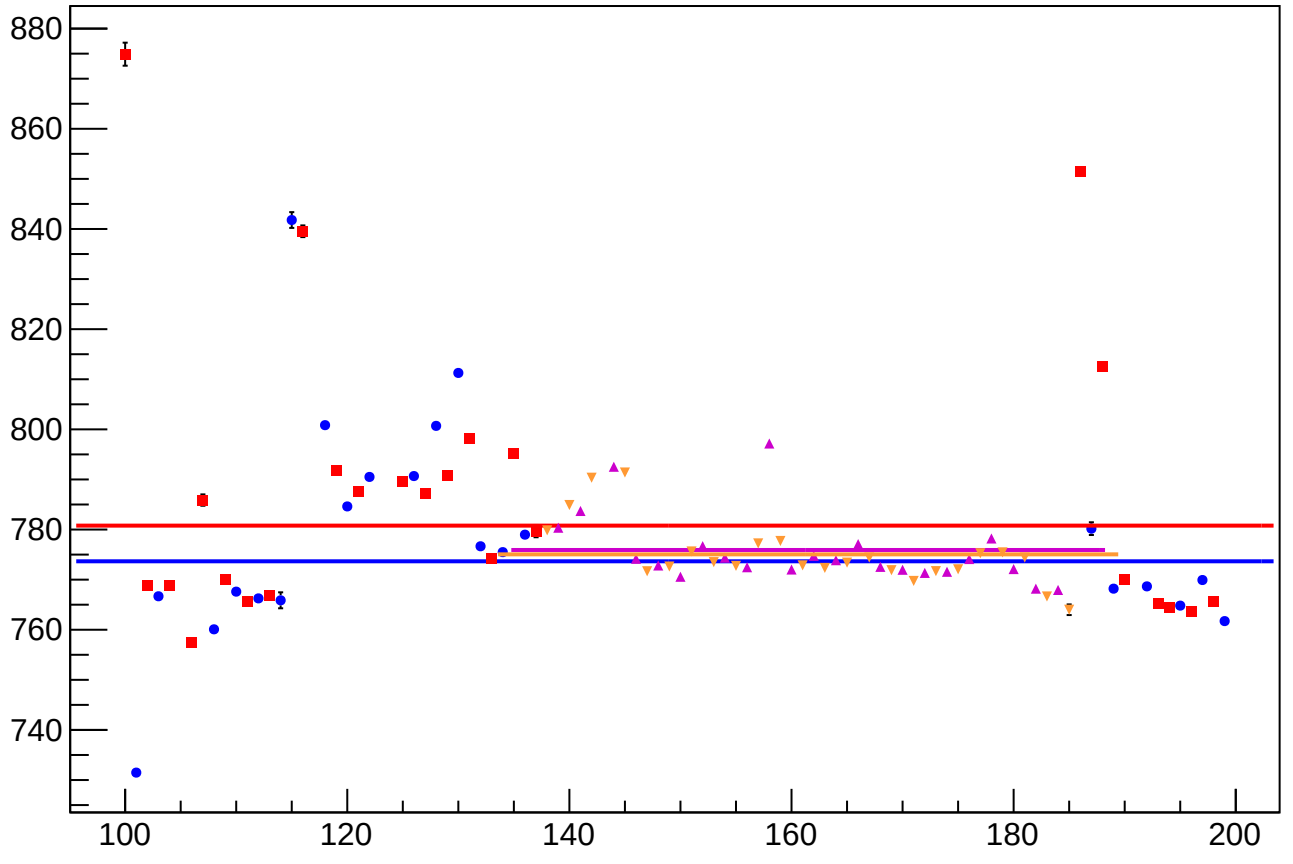
Left: -247.133+/-127.647 χ^2/NDF: 38.5/46

Right: -107.254+/-158.751 χ^2/NDF: 27.1/46

In: -244.426+/-141.765 χ^2/NDF:35.0/44

Out: -141.553+/-139.626 χ^2/NDF:30.8/48

All: -192.208+/-99.478 χ^2/NDF: 66.1/93



Right In: 773.663+/-0.161 χ^2/NDF: 13315.9/21

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

Right Out: 780.784+/-0.157 χ^2/NDF: 19418.3/24

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

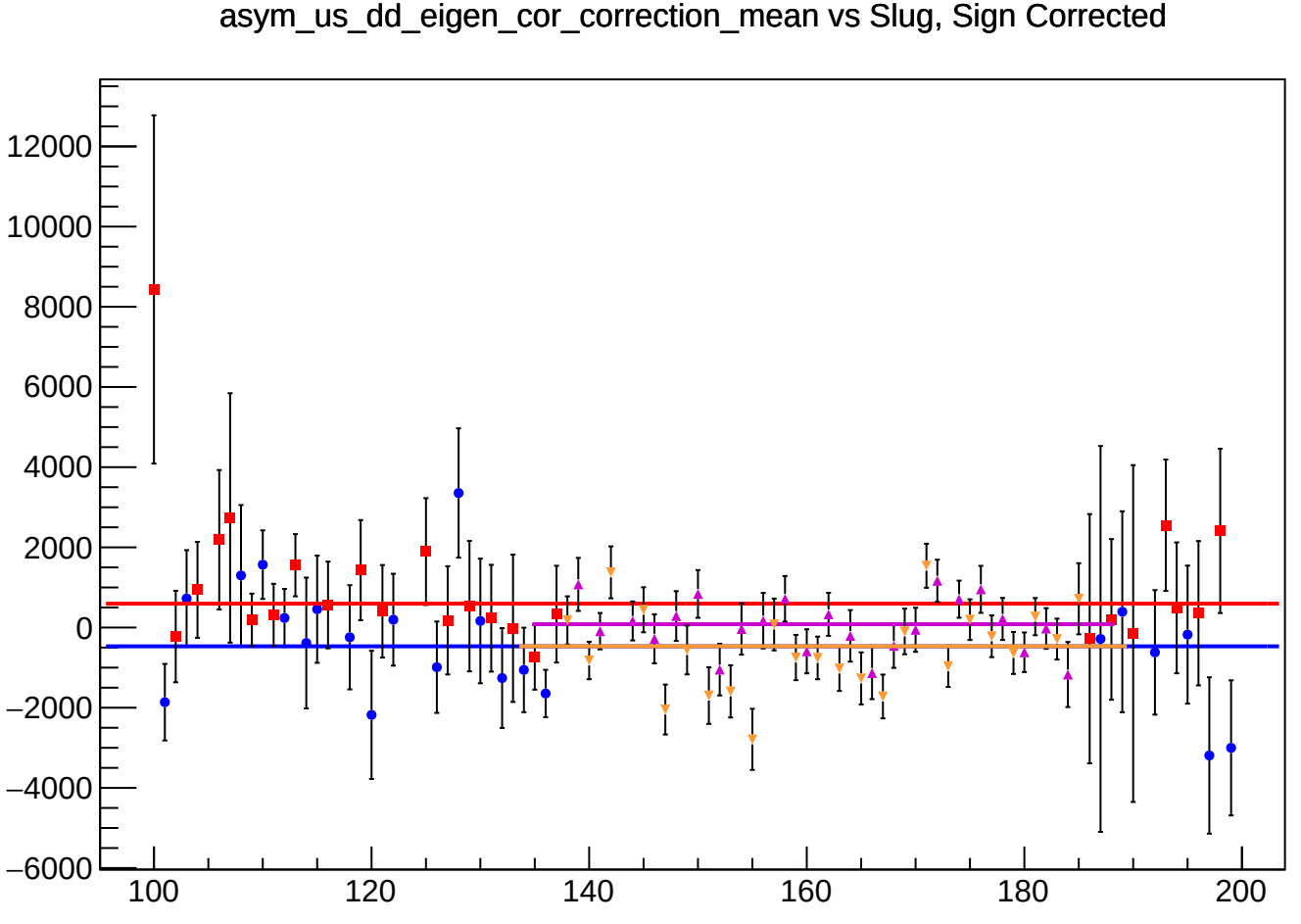
Left: 775.483+/-0.090 χ^2/NDF: 4947.6/46

Right: 777.322+/-0.112 χ^2/NDF: 33739.6/46

In: 775.046+/-0.100 χ^2/NDF:16409.4/44

Out: 777.329+/-0.099 χ^2/NDF:22177.6/48

All: 776.205+/-0.070 χ^2/NDF: 38850.3/93



Right In: -468.484+/-252.950 χ^2/NDF: 27.8/21

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

Right Out: 595.385+/-248.673 χ^2/NDF: 14.1/24

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

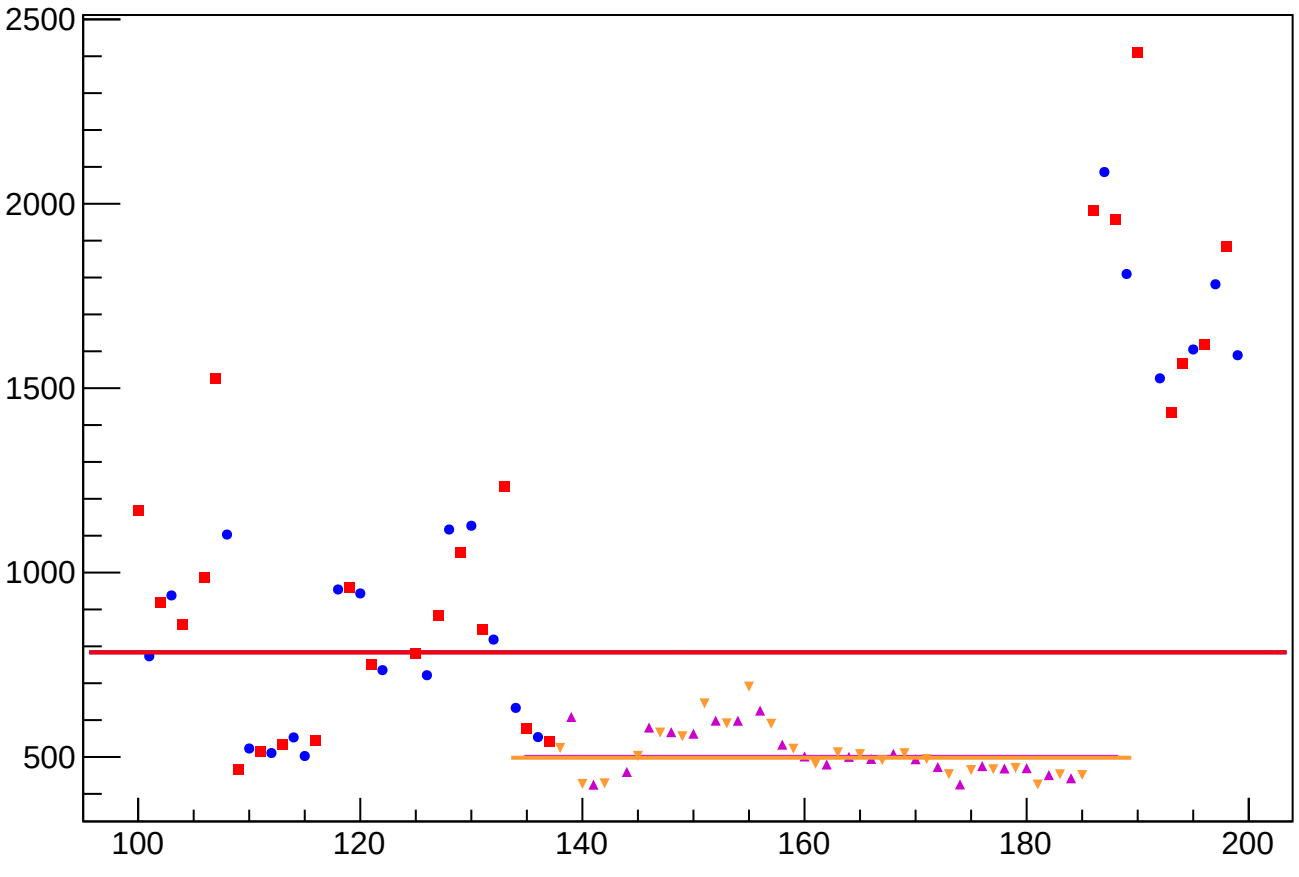
Left: -194.569+/-82.913 χ^2/NDF: 103.6/46

Right: 72.522+/-177.331 χ^2/NDF: 50.9/46

In: -15.173+/-106.794 χ^2/NDF:59.8/44

Out: -275.346+/-105.654 χ^2/NDF:93.5/48

All: -146.655+/-75.108 χ^2/NDF: 156.3/93



Right In: 783.805+/-0.179 χ^2/NDF: 3666805.0/21

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

Right Out: 783.576+/-0.176 χ^2/NDF: 4718923.7/24

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

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

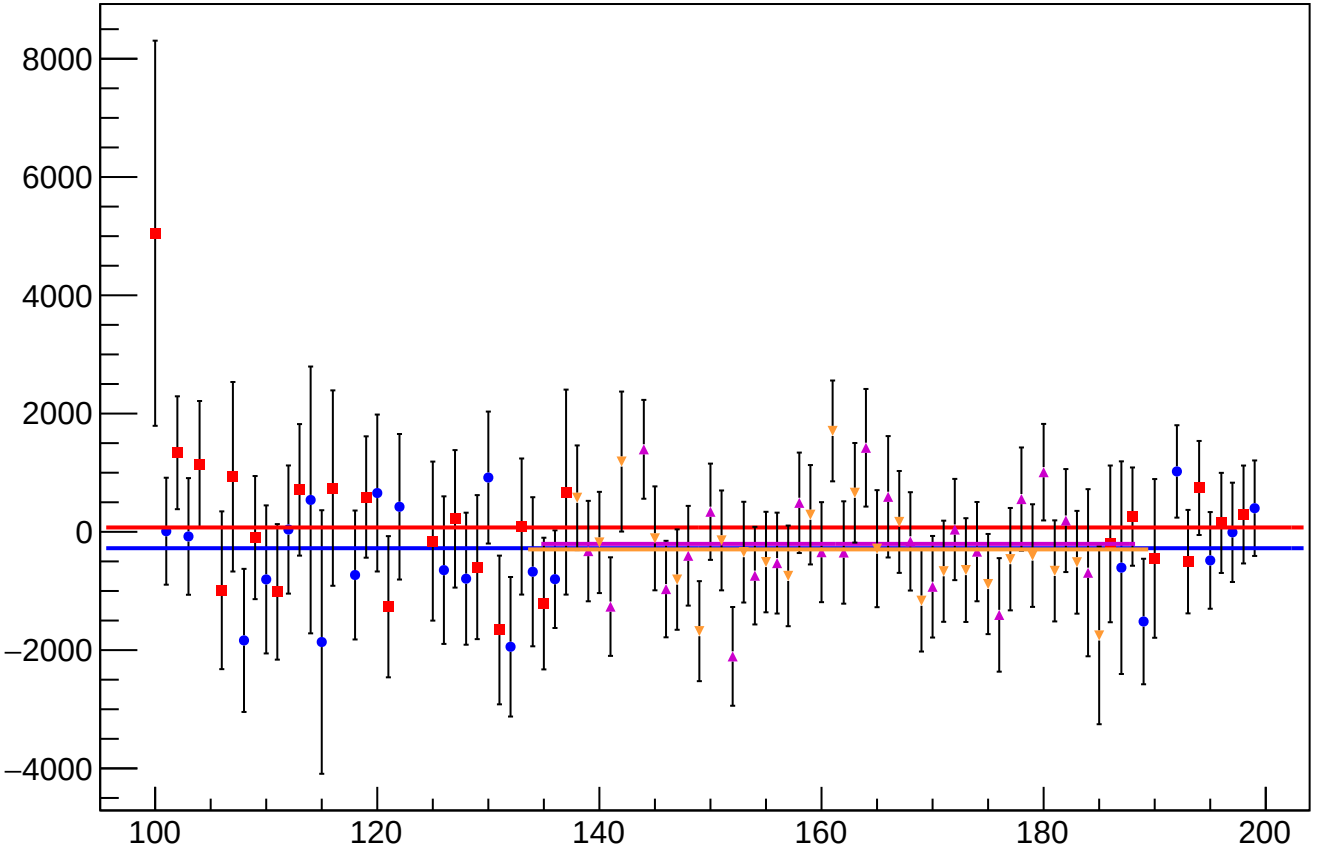
Right: 783.688+/-0.125 χ^2/NDF: 8385729.6/46

In: 550.839+/-0.076 χ^2/NDF:6208626.6/44

Out: 549.523+/-0.075 χ^2/NDF:7407932.8/48

All: 550.174+/-0.053 χ^2/NDF: 13616712.9/93

dit_asym_us_dd_mean vs Slug, Sign Corrected



Right In: -276.655+/-228.007 χ^2/NDF: 12.7/21

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

Right Out: 74.086+/-221.725 χ^2/NDF: 14.1/24

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

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

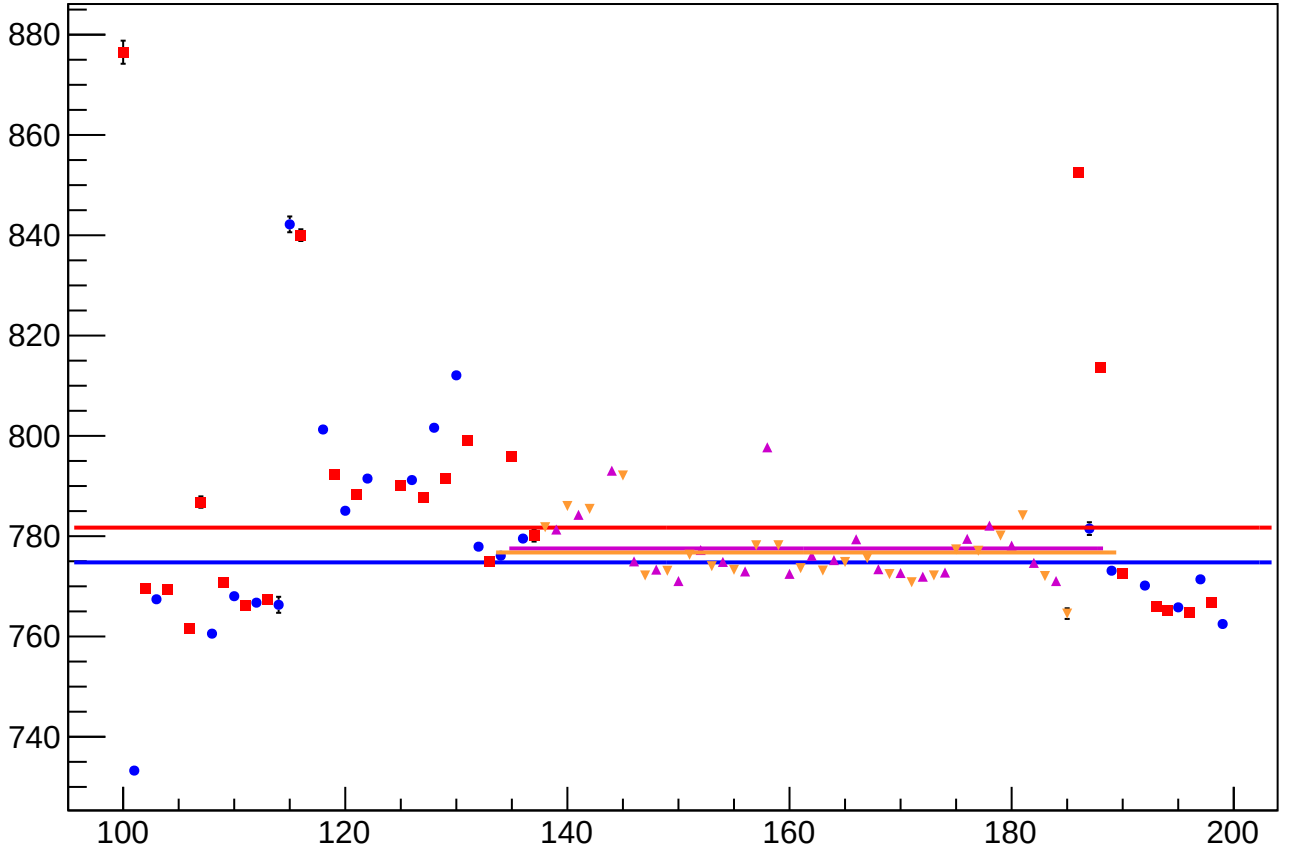
Right: -96.386+/-158.958 χ^2/NDF: 28.0/46

In: -231.786+/-142.026 χ^2/NDF:34.8/44

Out: -149.173+/-139.878 χ^2/NDF:32.5/48

All: -189.850+/-99.659 χ^2/NDF: 67.5/93

dit_asym_us_dd_rms vs Slug, Sign Corrected



Right In: 774.774+/-0.161 χ^2/NDF: 12958.0/21

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

Right Out: 781.707+/-0.157 χ^2/NDF: 19211.8/24

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

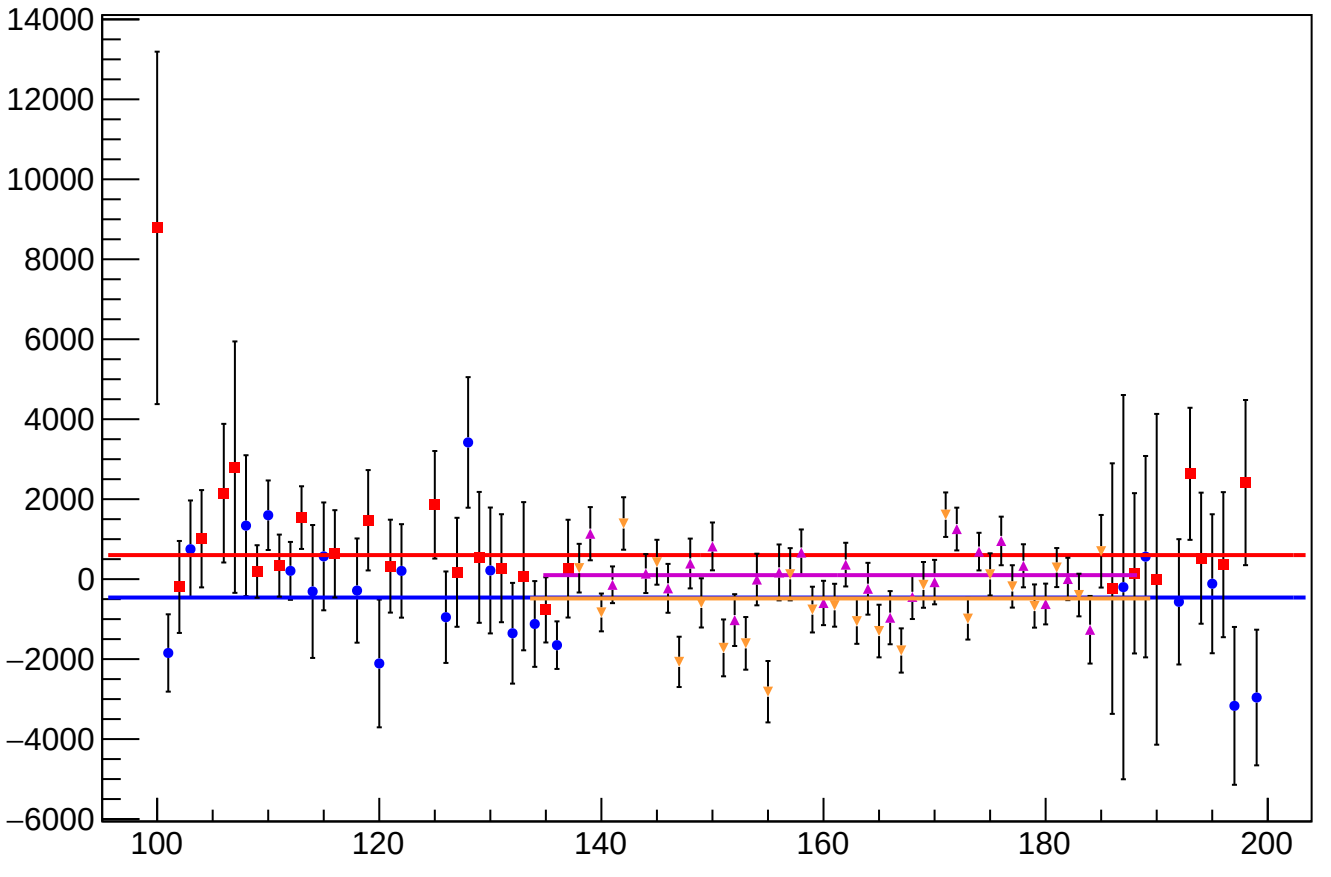
Left: 777.147+/-0.090 χ^2/NDF: 4596.6/46

Right: 778.337+/-0.112 χ^2/NDF: 33120.2/46

In: 776.473+/-0.100 χ^2/NDF:15890.1/44

Out: 778.723+/-0.099 χ^2/NDF:21639.8/48

All: 777.615+/-0.070 χ^2/NDF: 37784.8/93



Right In: -459.845+/-255.400 χ^2/NDF: 27.7/21

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

Right Out: 601.596+/-250.809 χ^2/NDF: 14.3/24

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

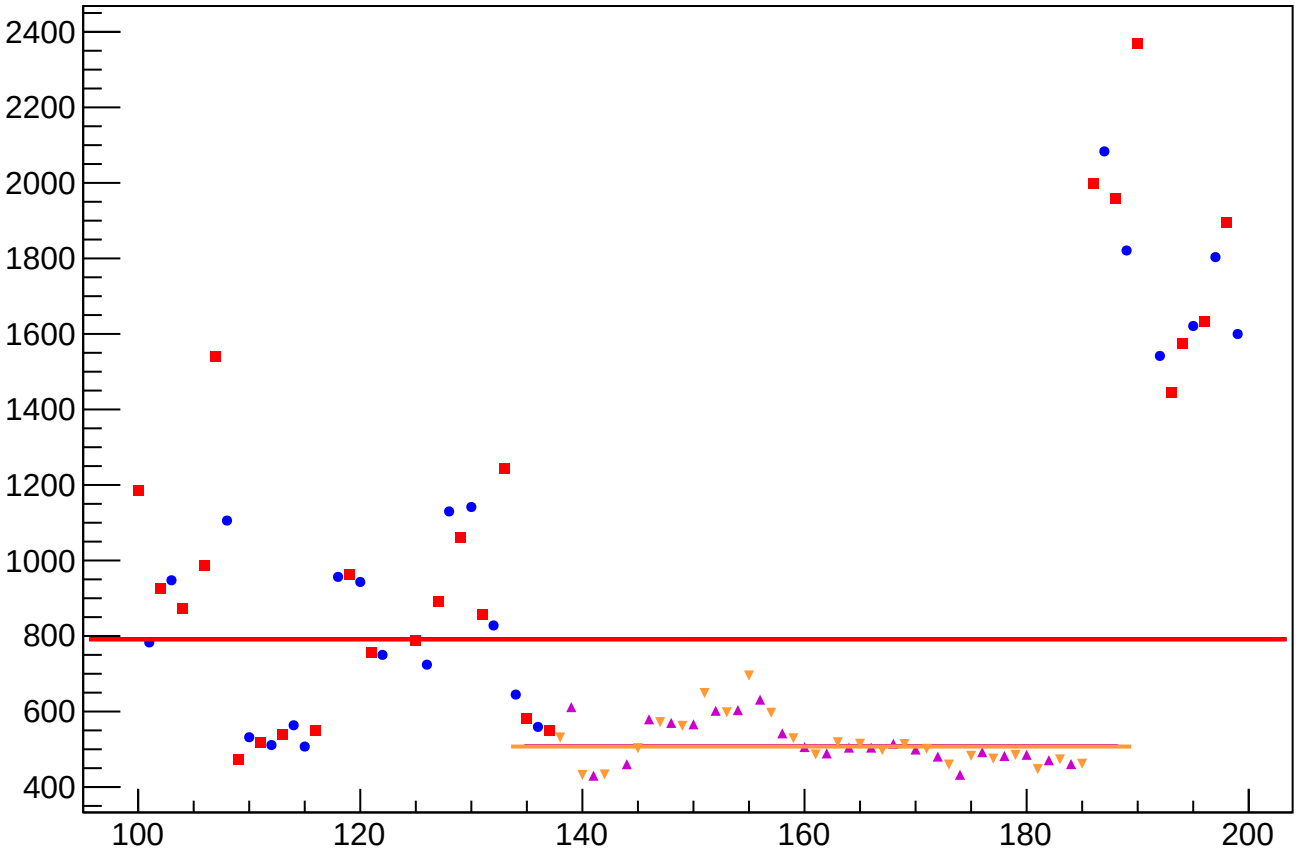
Left: -193.580+/-84.314 χ^2/NDF: 104.5/46

Right: 80.501+/-178.950 χ^2/NDF: 50.8/46

In: -0.807+/-108.369 χ^2/NDF:59.1/44

Out: -284.143+/-107.369 χ^2/NDF:94.6/48

All: -143.789+/-76.272 χ^2/NDF: 157.2/93



Right In: 791.628+/-0.181 χ^2/NDF: 3661776.0/21

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

Right Out: 790.966+/-0.177 χ^2/NDF: 4690945.6/24

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

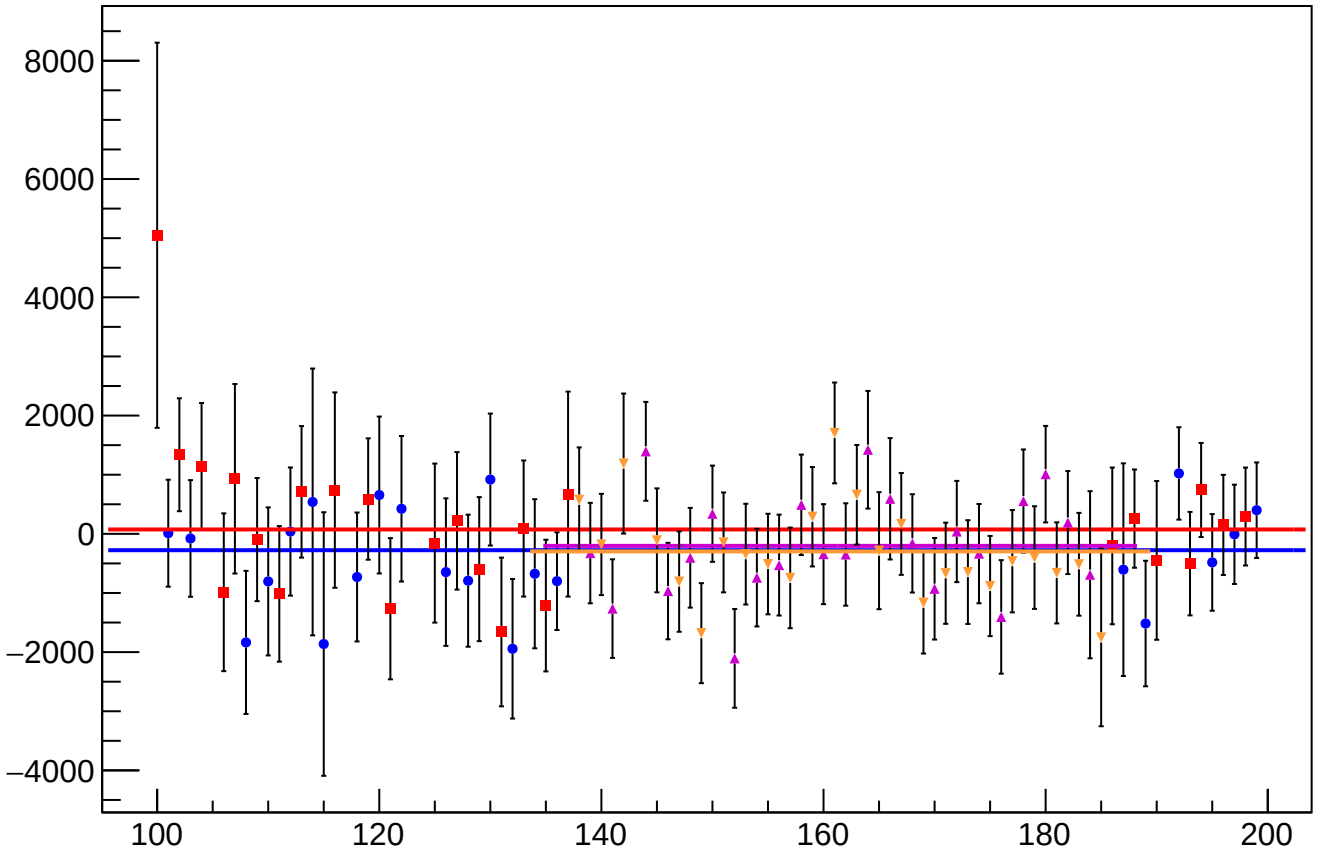
Left: 507.974+/-0.060 χ^2/NDF: 906551.9/46

Right: 791.291+/-0.127 χ^2/NDF: 8352728.5/46

In: 559.588+/-0.077 χ^2/NDF:6107586.7/44

Out: 559.300+/-0.076 χ^2/NDF:7254149.7/48

All: 559.443+/-0.054 χ^2/NDF: 13361743.5/93



Right In: -276.655+/-228.007 χ^2/NDF: 12.7/21

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

Right Out: 74.086+/-221.725 χ^2/NDF: 14.1/24

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

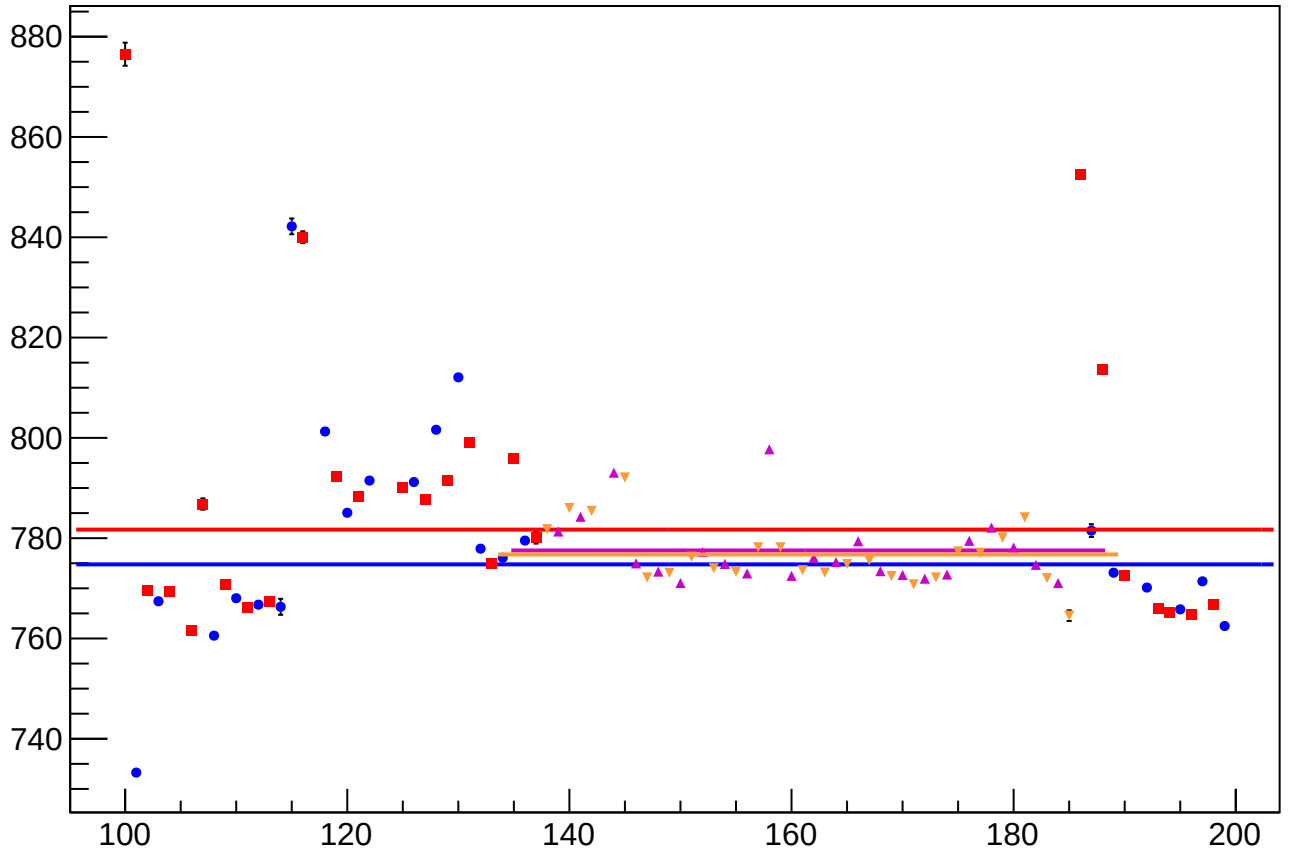
Left: -250.382+/-127.923 χ^2/NDF: 38.9/46

Right: -96.386+/-158.958 χ^2/NDF: 28.0/46

In: -231.785+/-142.026 χ^2/NDF:34.8/44

Out: -149.174+/-139.878 χ^2/NDF:32.5/48

All: -189.850+/-99.659 χ^2/NDF: 67.5/93



Right In: 774.774+/-0.161 χ^2/NDF: 12958.0/21

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

Right Out: 781.707+/-0.157 χ^2/NDF: 19211.8/24

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

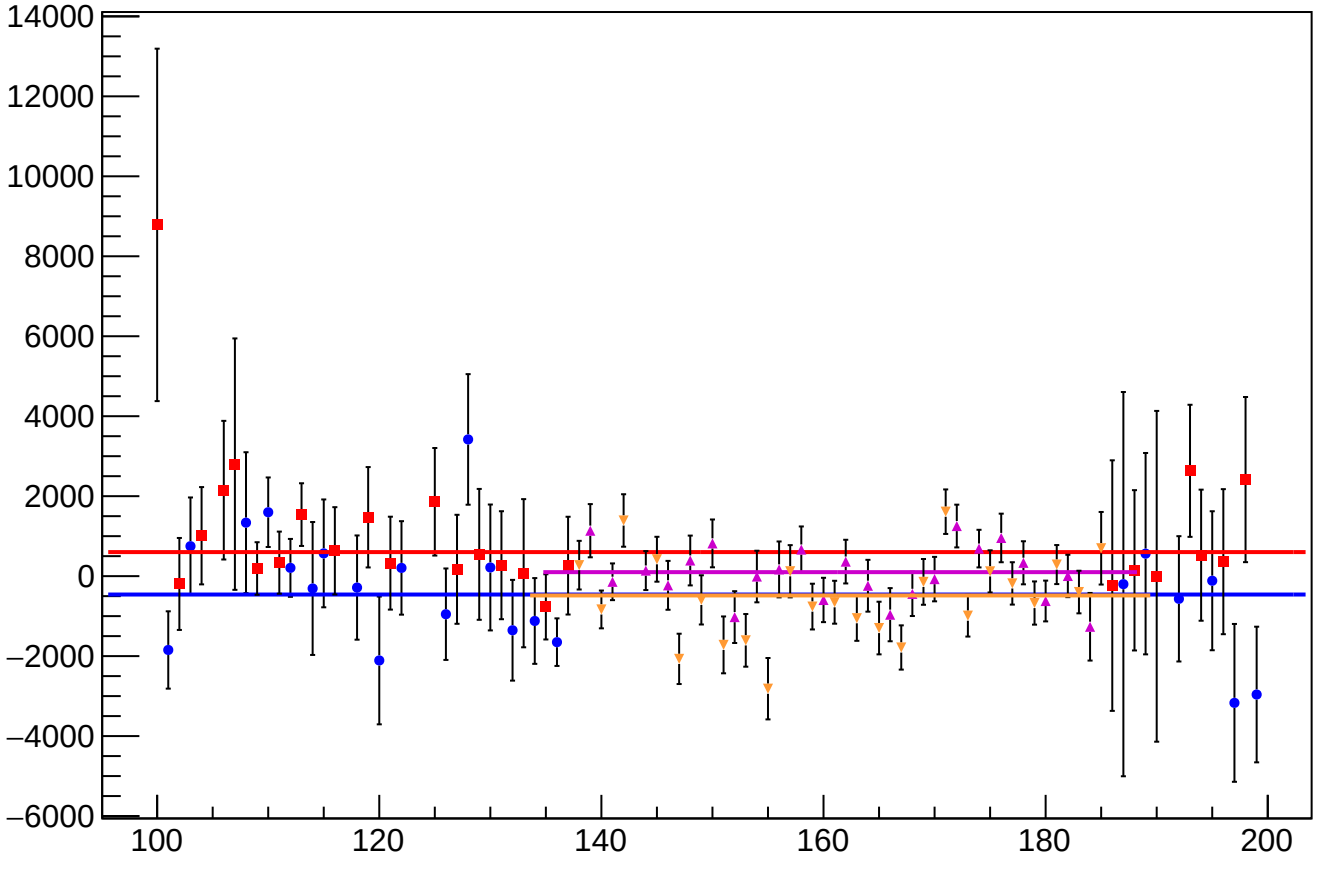
Left: 777.147+/-0.090 χ^2/NDF: 4596.6/46

Right: 778.337+/-0.112 χ^2/NDF: 33120.2/46

In: 776.473+/-0.100 χ^2/NDF:15890.1/44

Out: 778.723+/-0.099 χ^2/NDF:21639.8/48

All: 777.615+/-0.070 χ^2/NDF: 37784.8/93



Right In: -459.840+/-255.398 χ^2/NDF: 27.7/21

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

Right Out: 601.595+/-250.808 χ^2/NDF: 14.3/24

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

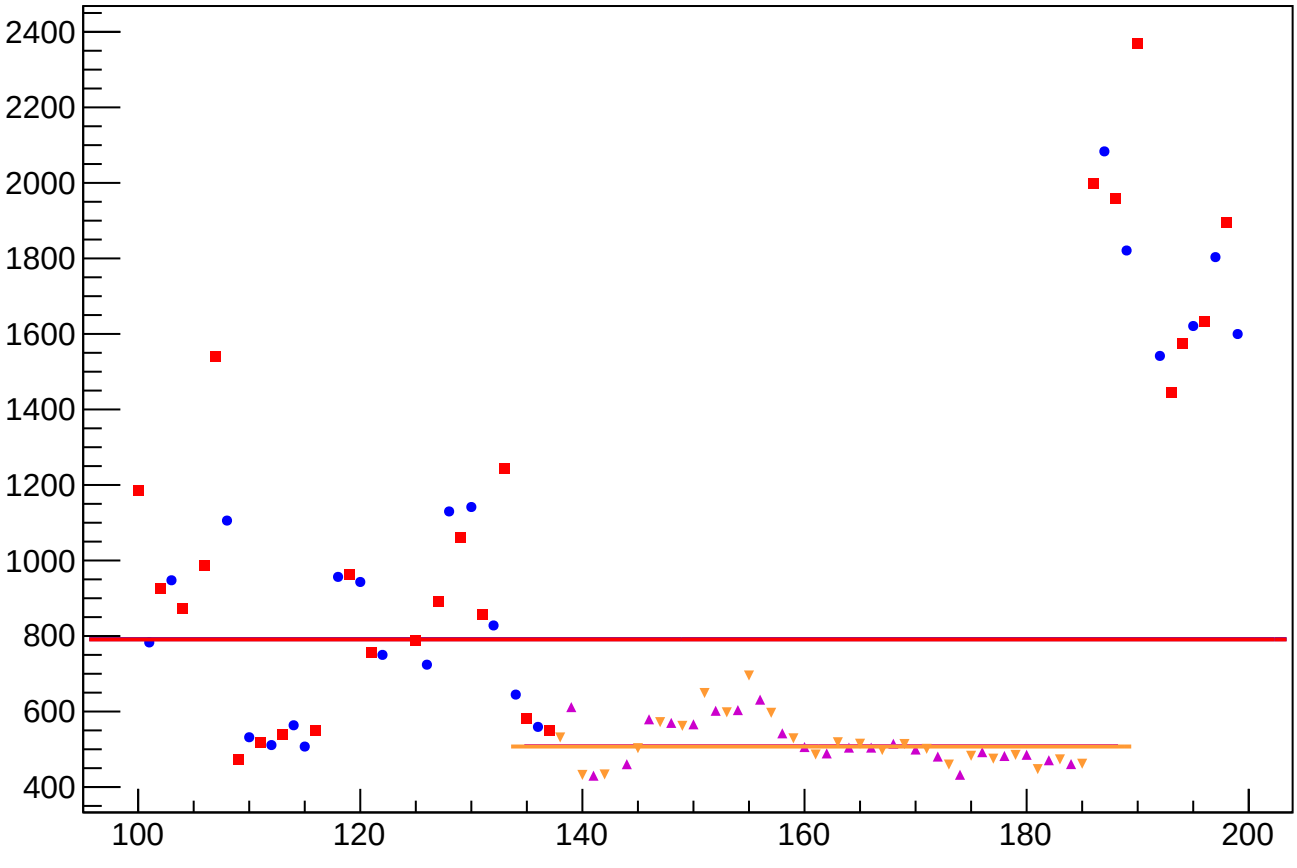
Left: -193.580+/-84.314 χ^2/NDF: 104.5/46

Right: 80.502+/-178.949 χ^2/NDF: 50.8/46

In: -0.807+/-108.369 χ^2/NDF:59.1/44

Out: -284.142+/-107.369 χ^2/NDF:94.6/48

All: -143.788+/-76.272 χ^2/NDF: 157.2/93



Right In: 791.624+/-0.181 χ^2/NDF: 3661807.7/21

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

Right Out: 790.962+/-0.177 χ^2/NDF: 4690983.4/24

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

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

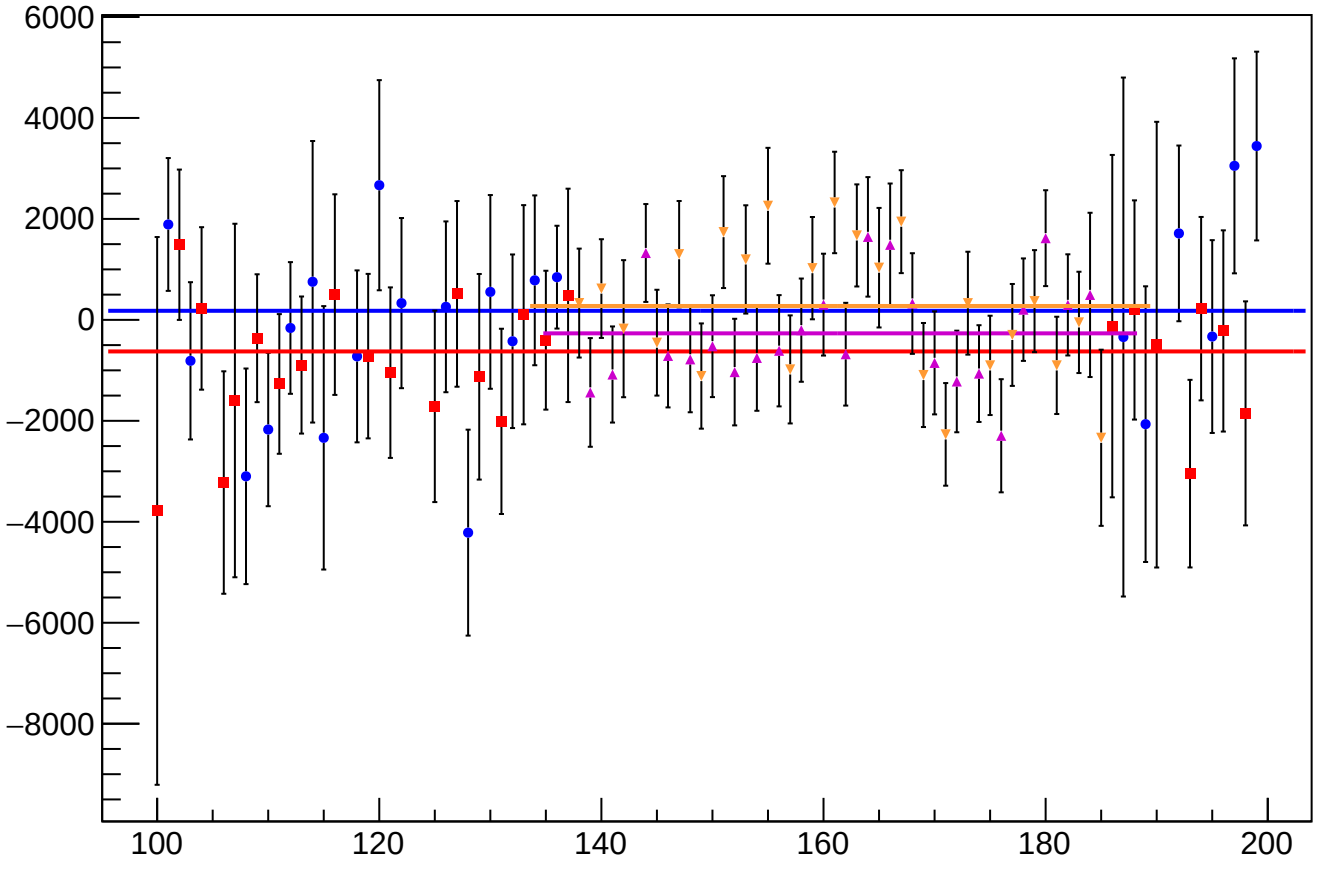
Right: 791.287+/-0.127 χ^2/NDF: 8352797.9/46

In: 559.588+/-0.077 χ^2/NDF:6107591.1/44

Out: 559.300+/-0.076 χ^2/NDF:7254152.8/48

All: 559.443+/-0.054 χ^2/NDF: 13361751.0/93

asym_us_dd_mean vs Slug, Sign Corrected



Right In: 179.690+/-371.826 χ^2/NDF: 21.4/21

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

Right Out: -625.391+/-370.077 χ^2/NDF: 9.0/24

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

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

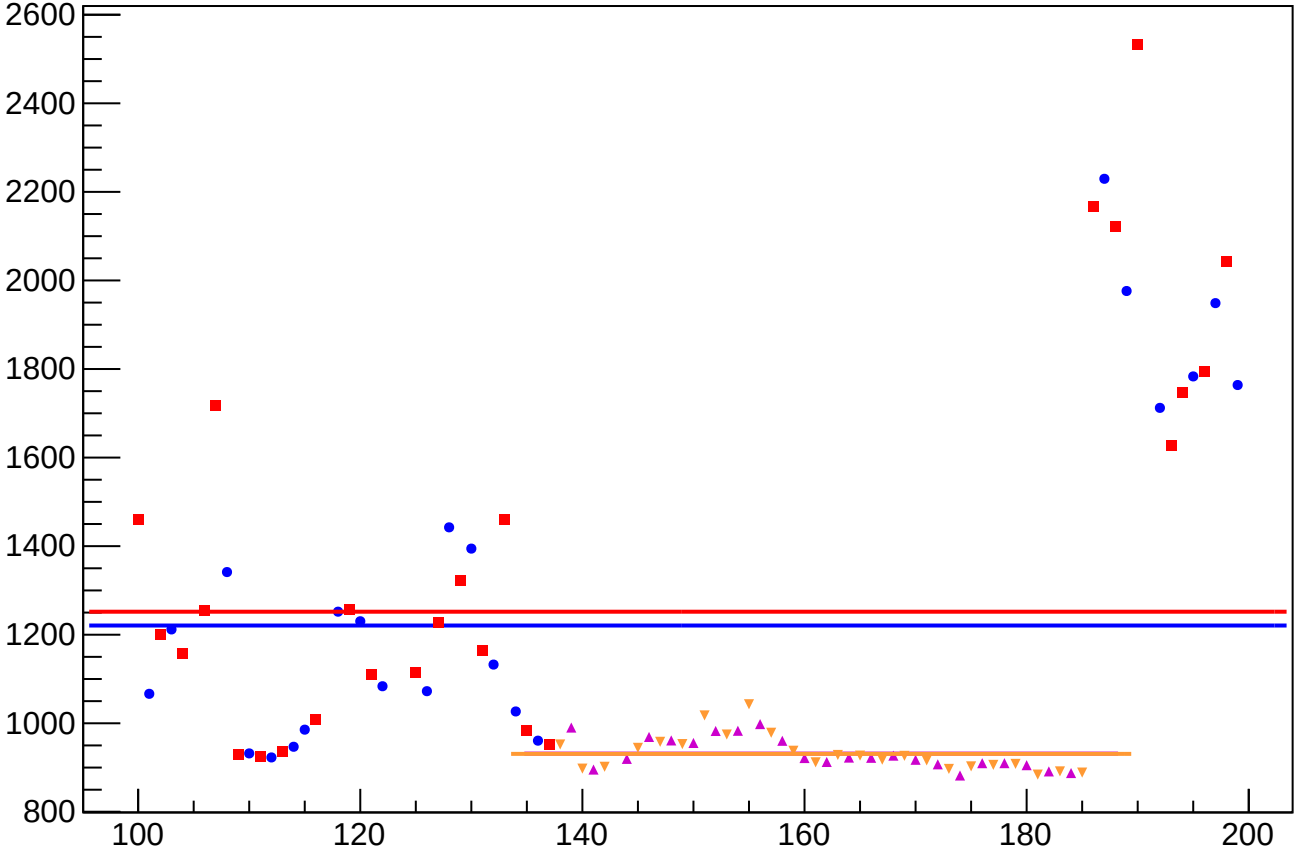
Right: -224.748+/-262.300 χ^2/NDF: 32.7/46

In: -153.022+/-187.859 χ^2/NDF:43.8/44

Out: 45.889+/-186.736 χ^2/NDF:47.0/48

All: -52.971+/-132.437 χ^2/NDF: 91.4/93

asym_us_dd_rms vs Slug, Sign Corrected



Right In: 1220.772+/-0.263 χ^2/NDF: 1443226.3/21

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

Right Out: 1251.954+/-0.262 χ^2/NDF: 1861432.7/24

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

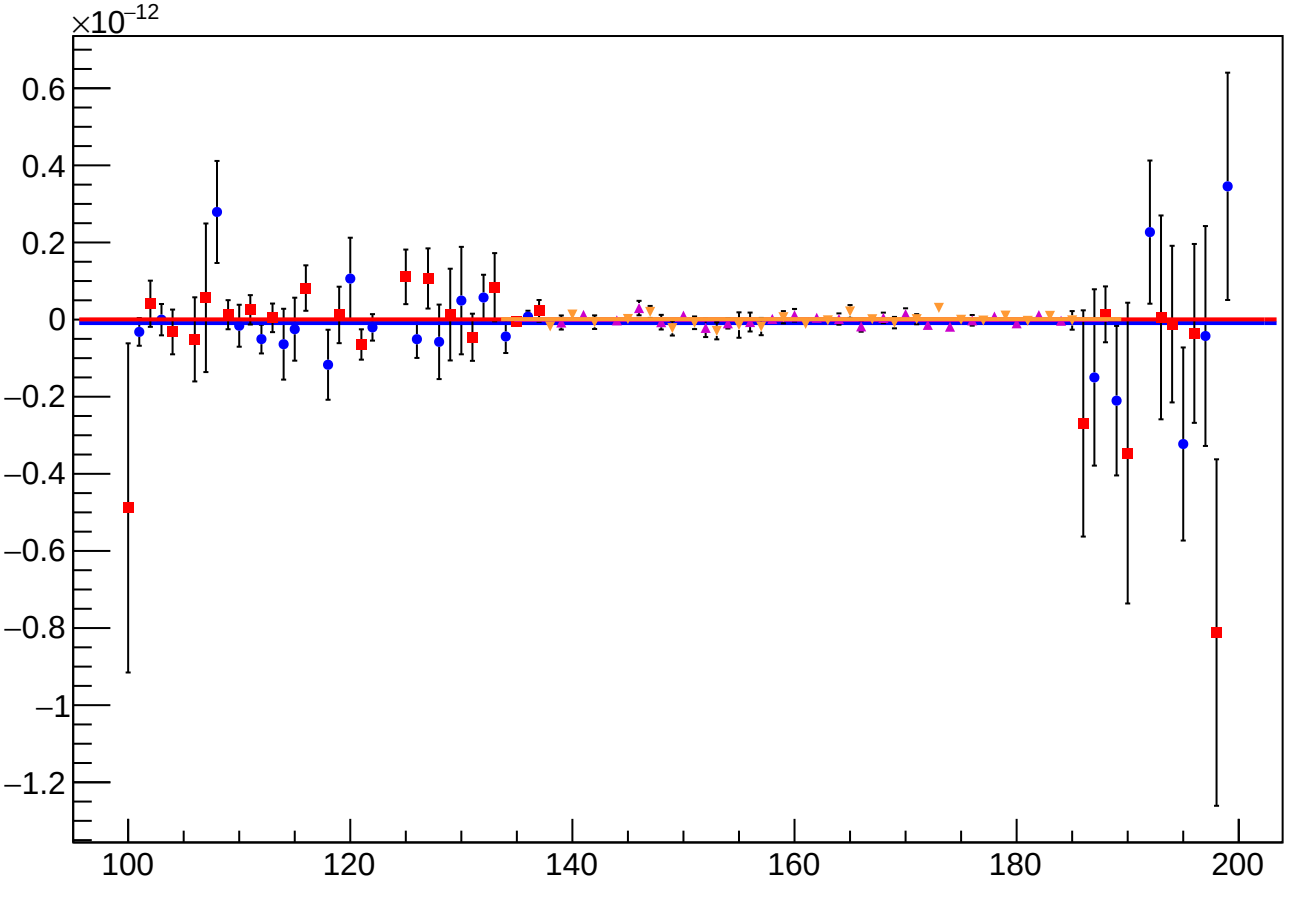
Left: 931.240+/-0.108 χ^2/NDF: 110877.8/46

Right: 1236.437+/-0.185 χ^2/NDF: 3311725.2/46

In: 1005.386+/-0.133 χ^2/NDF:2393257.6/44

Out: 1012.659+/-0.132 χ^2/NDF:3045216.0/48

All: 1009.044+/-0.094 χ^2/NDF: 5439981.8/93



Right In: -0.000+/-0.000 χ^2/NDF: 19.9/21

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

Right Out: 0.000+/-0.000 χ^2/NDF: 19.3/24

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

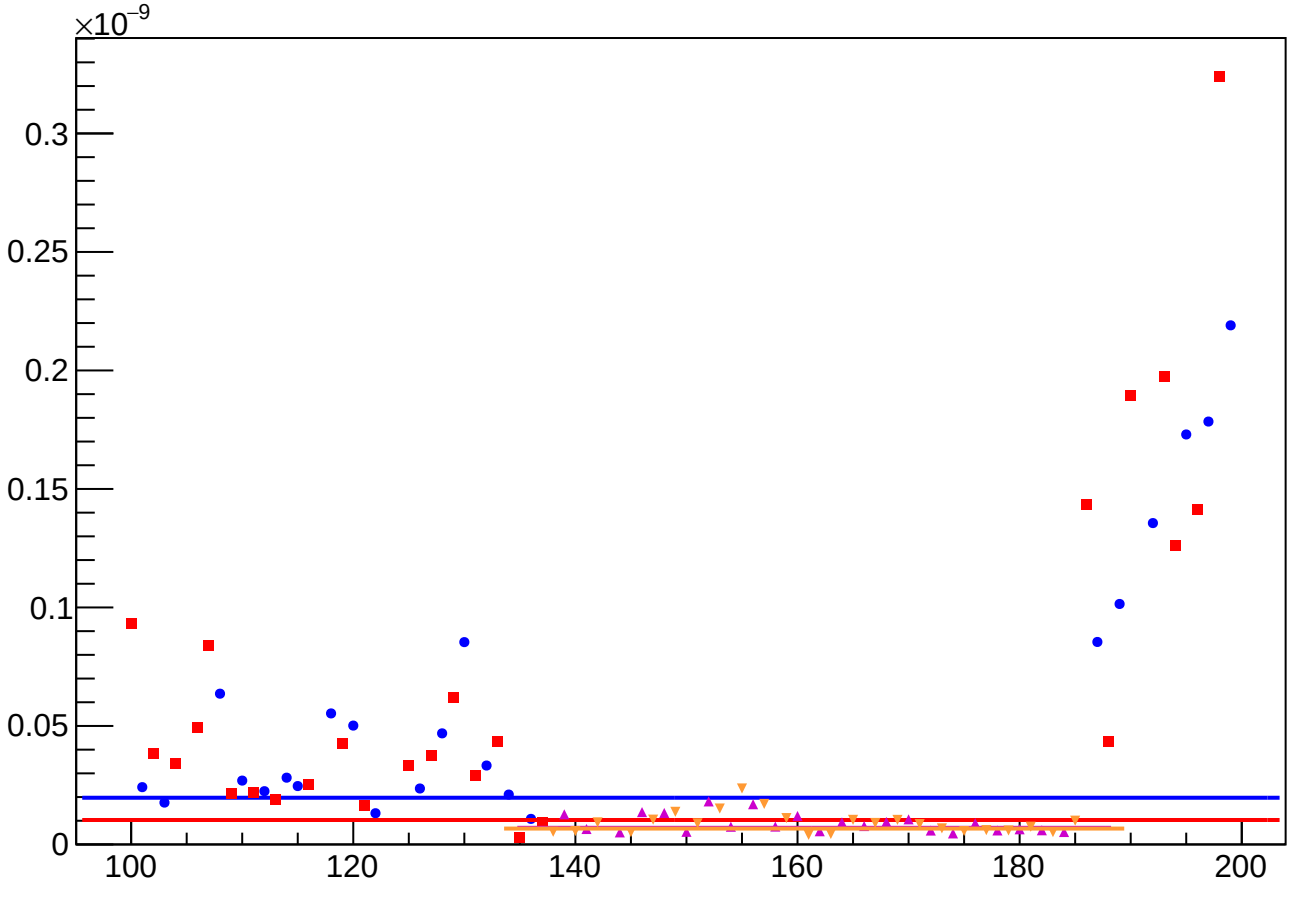
Left: 0.000+/-0.000 χ^2/NDF: 48.0/46

Right: -0.000+/-0.000 χ^2/NDF: 39.8/46

In: -0.000+/-0.000 χ^2/NDF:42.8/44

Out: 0.000+/-0.000 χ^2/NDF:45.0/48

All: 0.000+/-0.000 χ^2/NDF: 88.1/93



Right In: 0.000+/-0.000 χ^2/NDF: 5864352.7/21

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

Right Out: 0.000+/-0.000 χ^2/NDF: 9691310.7/24

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

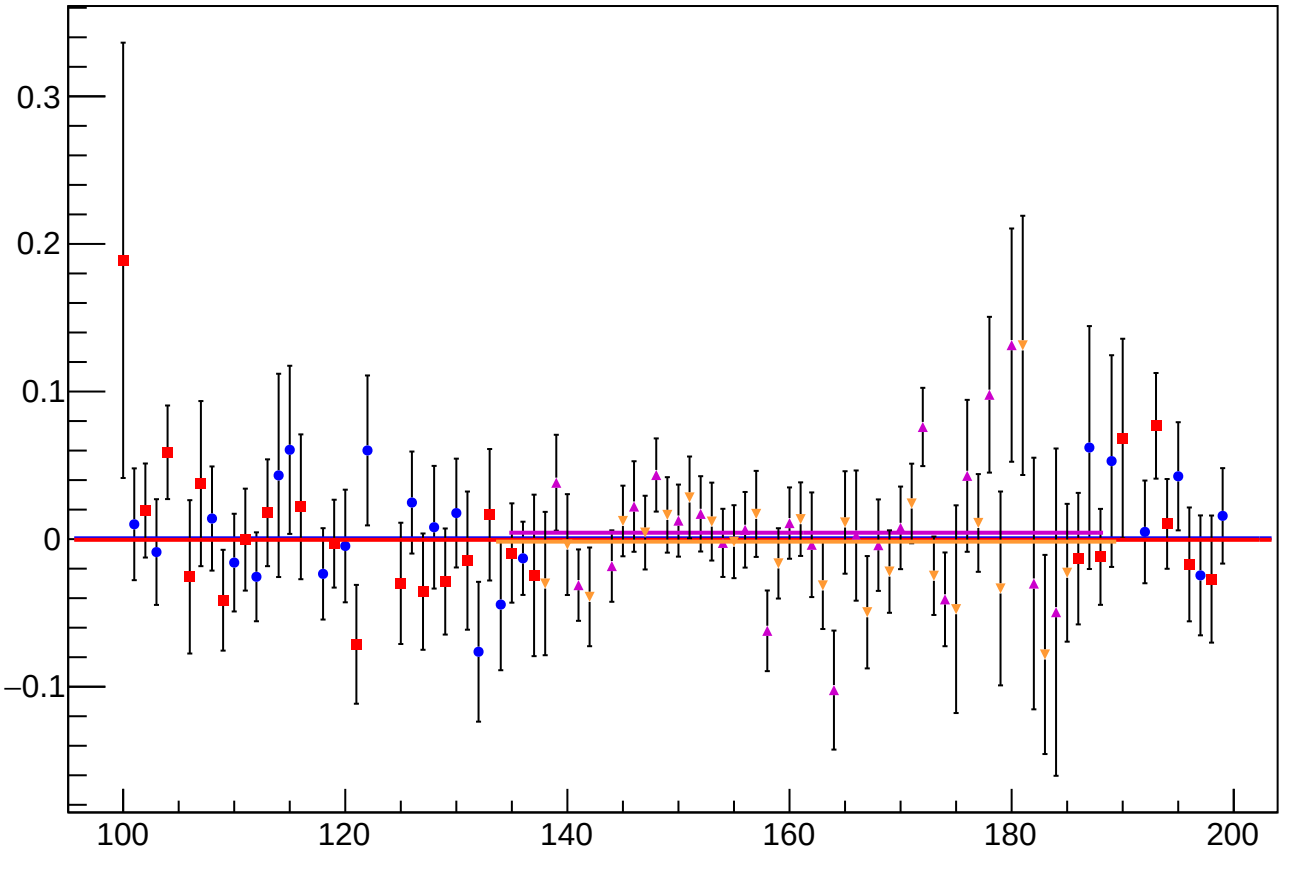
Left: 0.000+/-0.000 χ^2/NDF: 5389849.5/46

Right: 0.000+/-0.000 χ^2/NDF: 16686991.8/46

In: 0.000+/-0.000 χ^2/NDF:11258920.1/44

Out: 0.000+/-0.000 χ^2/NDF:13074690.7/48

All: 0.000+/-0.000 χ^2/NDF: 24416591.9/93



Right In: 0.001+/-0.008 χ^2/NDF: 12.5/21

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

Right Out: -0.000+/-0.008 χ^2/NDF: 20.3/24

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

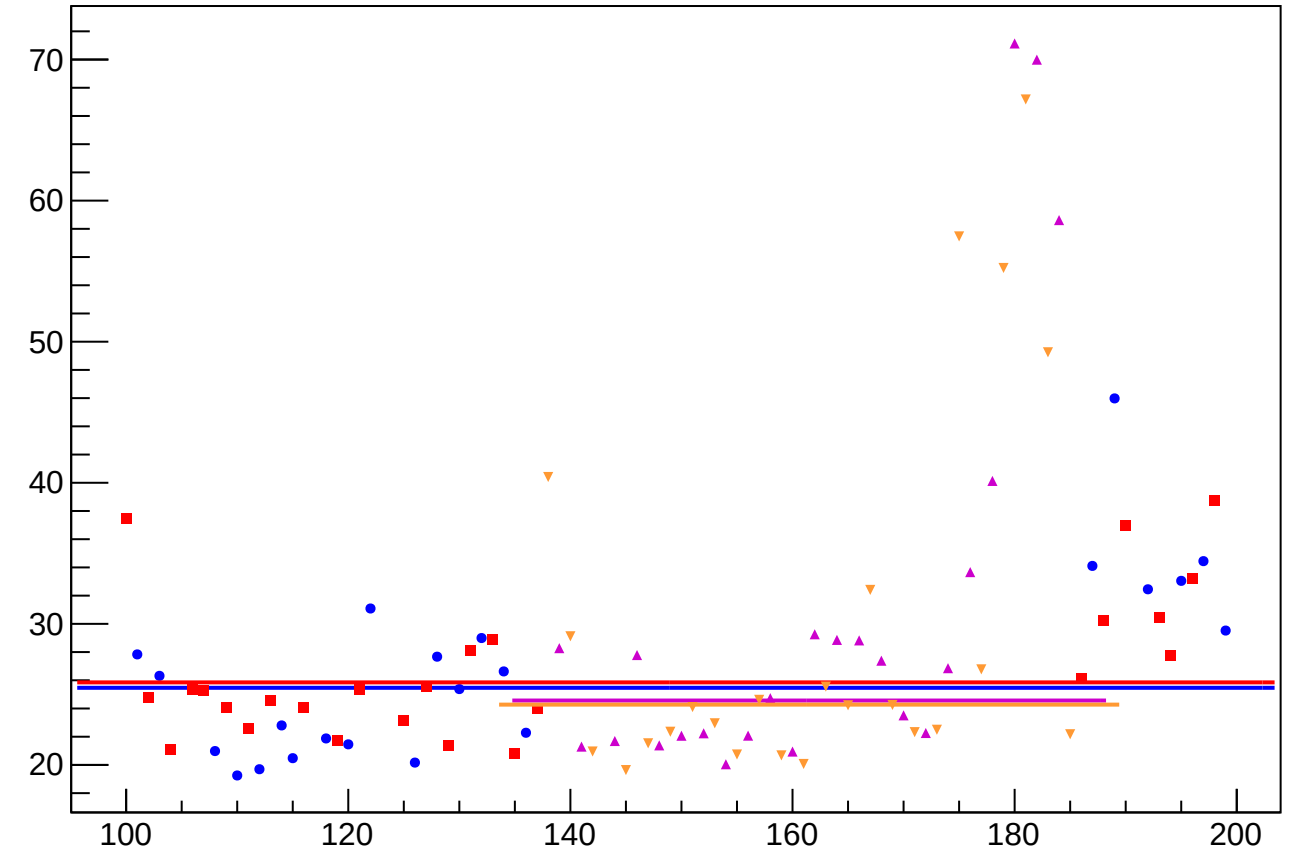
Left: 0.001+/-0.005 χ^2/NDF: 51.6/46

Right: 0.000+/-0.006 χ^2/NDF: 32.7/46

In: 0.003+/-0.005 χ^2/NDF:49.1/44

Out: -0.001+/-0.005 χ^2/NDF:34.9/48

All: 0.001+/-0.004 χ^2/NDF: 84.4/93



Right In: 25.467+/-0.006 χ^2/NDF: 856143.6/21

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

Right Out: 25.851+/-0.006 χ^2/NDF: 613631.8/24

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

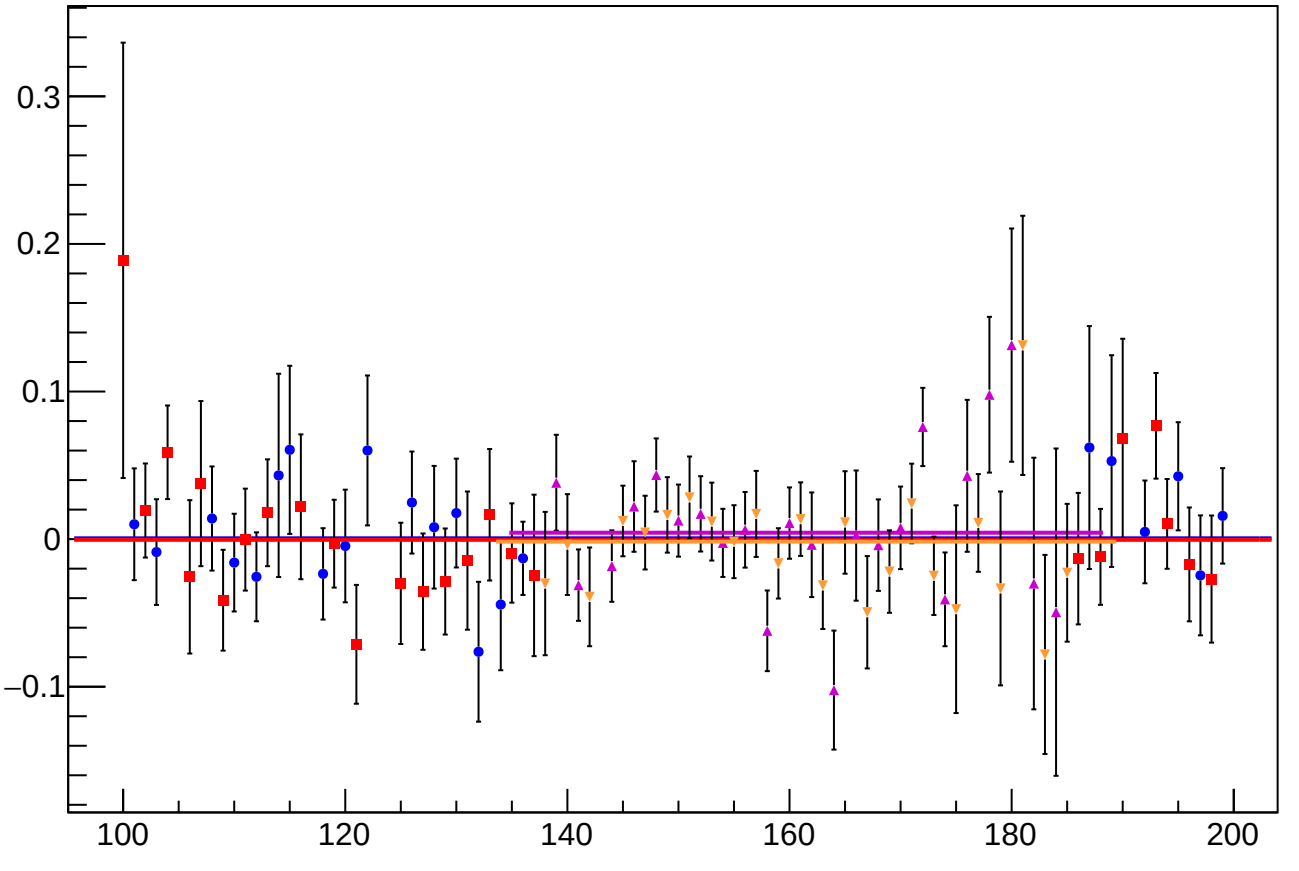
Left: 24.418+/-0.003 χ^2/NDF: 4445671.0/46

Right: 25.666+/-0.004 χ^2/NDF: 1472081.2/46

In: 24.909+/-0.004 χ^2/NDF:3004307.5/44

Out: 24.898+/-0.003 χ^2/NDF:2973191.5/48

All: 24.904+/-0.002 χ^2/NDF: 5977504.4/93



Right In: 0.001+/-0.008 χ^2/NDF: 12.5/21

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

Right Out: -0.000+/-0.008 χ^2/NDF: 20.3/24

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

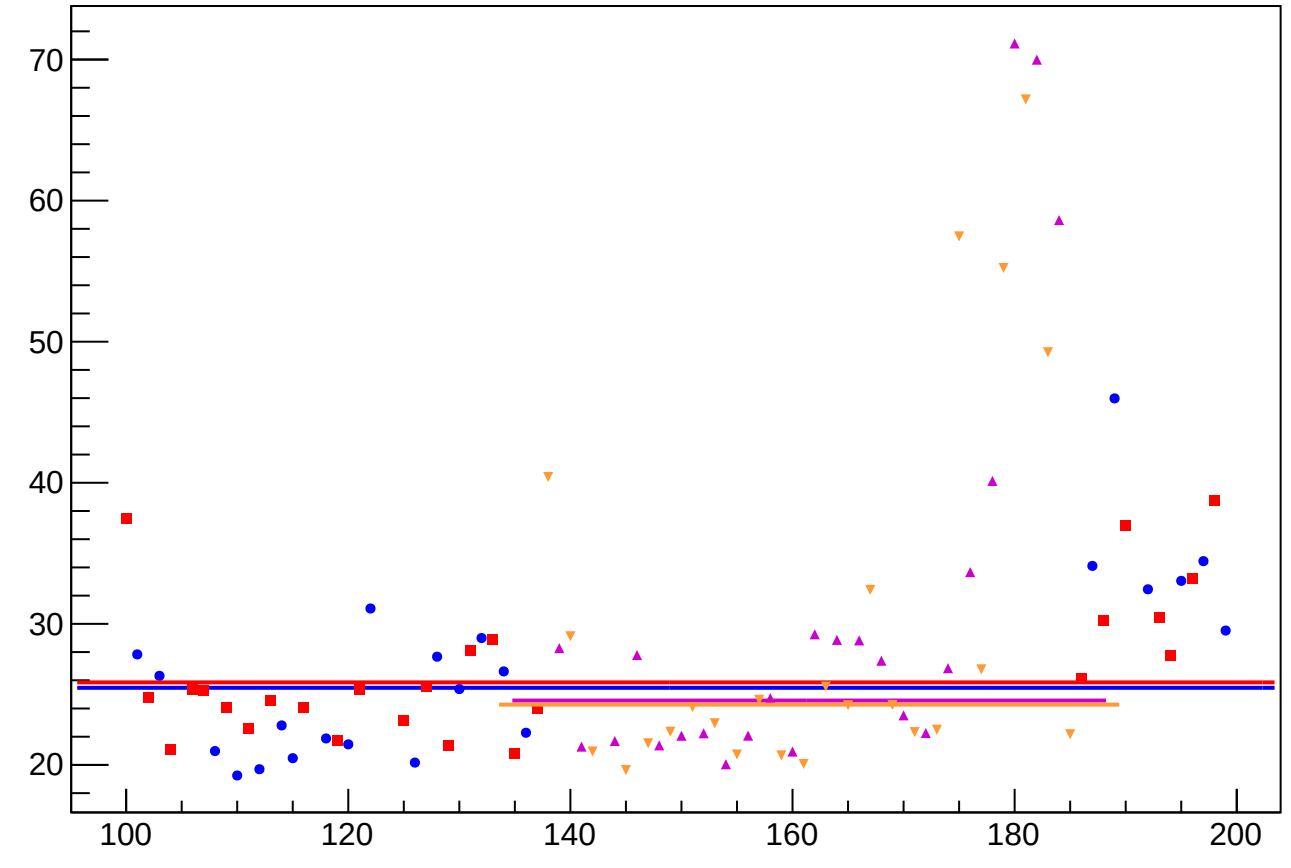
Left: 0.001+/-0.005 χ^2/NDF: 51.6/46

Right: 0.000+/-0.006 χ^2/NDF: 32.7/46

In: 0.003+/-0.005 χ^2/NDF:49.1/44

Out: -0.001+/-0.005 χ^2/NDF:34.9/48

All: 0.001+/-0.004 χ^2/NDF: 84.4/93



Right In: 25.467+/-0.006 χ^2/NDF: 856143.6/21

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

Right Out: 25.851+/-0.006 χ^2/NDF: 613631.8/24

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

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

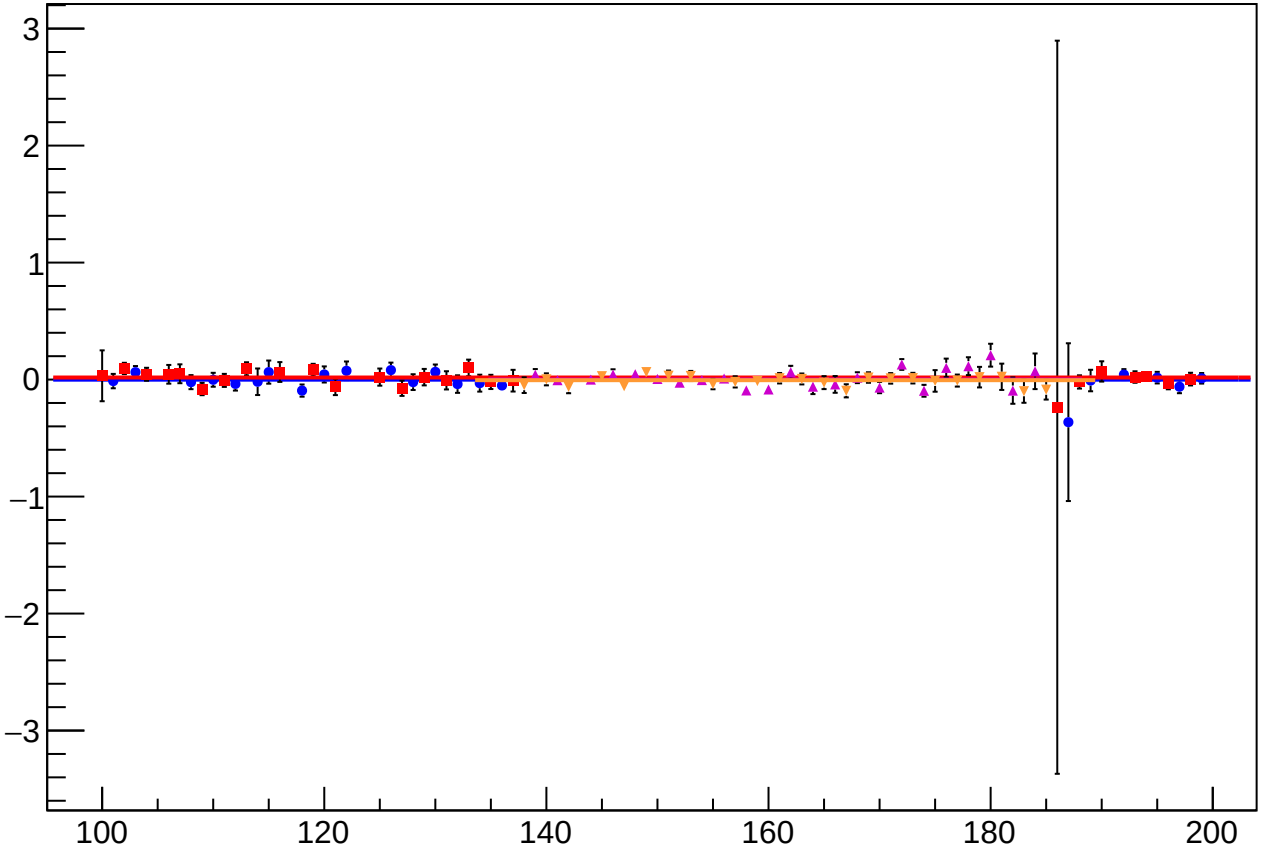
Right: 25.666+/-0.004 χ^2/NDF: 1472081.2/46

In: 24.909+/-0.004 χ^2/NDF:3004307.5/44

Out: 24.898+/-0.003 χ^2/NDF:2973191.5/48

All: 24.904+/-0.002 χ^2/NDF: 5977504.4/93

asym_us_dd_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.001+/-0.013 χ^2/NDF: 14.2/21

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

Right Out: 0.018+/-0.013 χ^2/NDF: 17.4/24

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

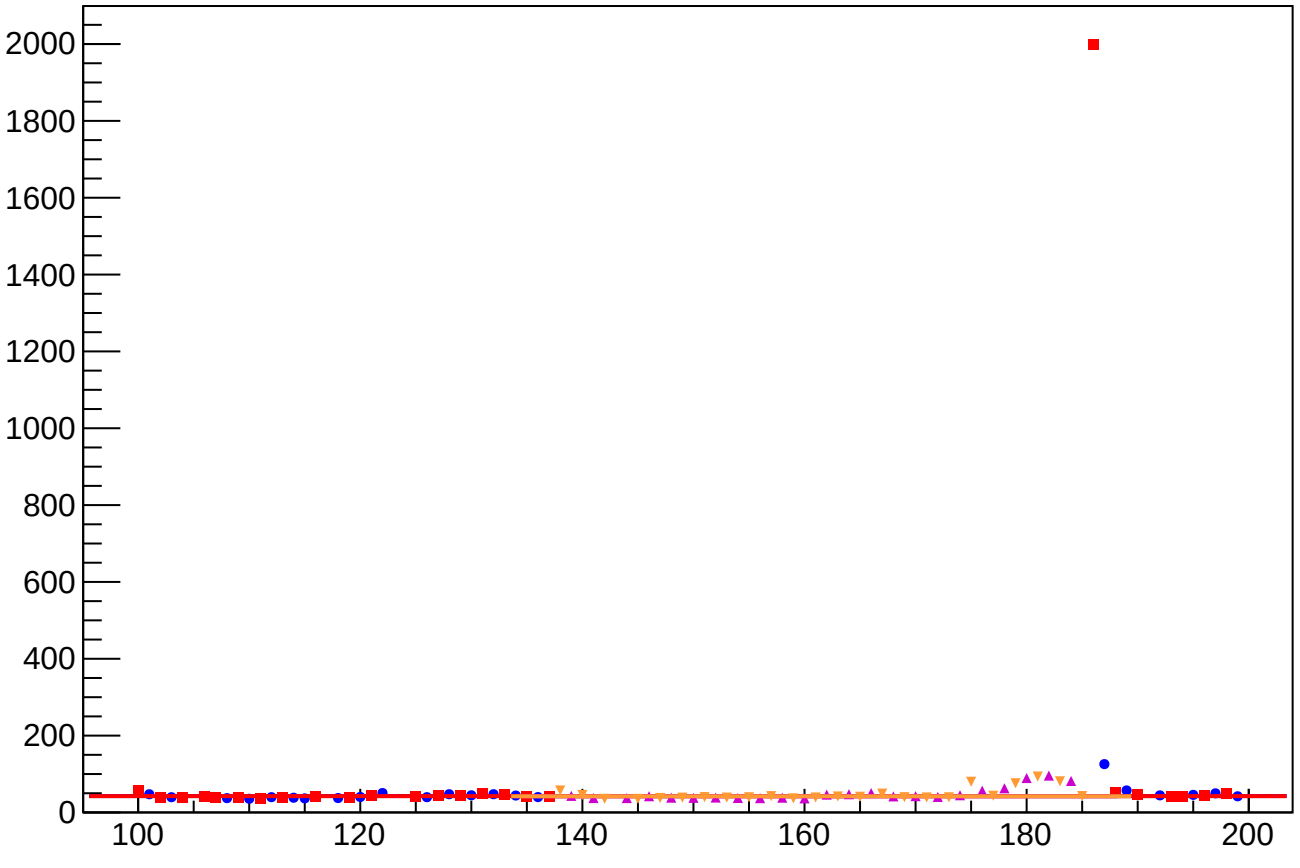
Left: -0.002+/-0.007 χ^2/NDF: 51.9/46

Right: 0.009+/-0.009 χ^2/NDF: 32.6/46

In: -0.000+/-0.008 χ^2/NDF:52.2/44

Out: 0.004+/-0.008 χ^2/NDF:33.2/48

All: 0.002+/-0.006 χ^2/NDF: 85.5/93



Right In: 42.709+/-0.009 χ^2/NDF: 276437.7/21

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

Right Out: 42.470+/-0.009 χ^2/NDF: 991880.1/24

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

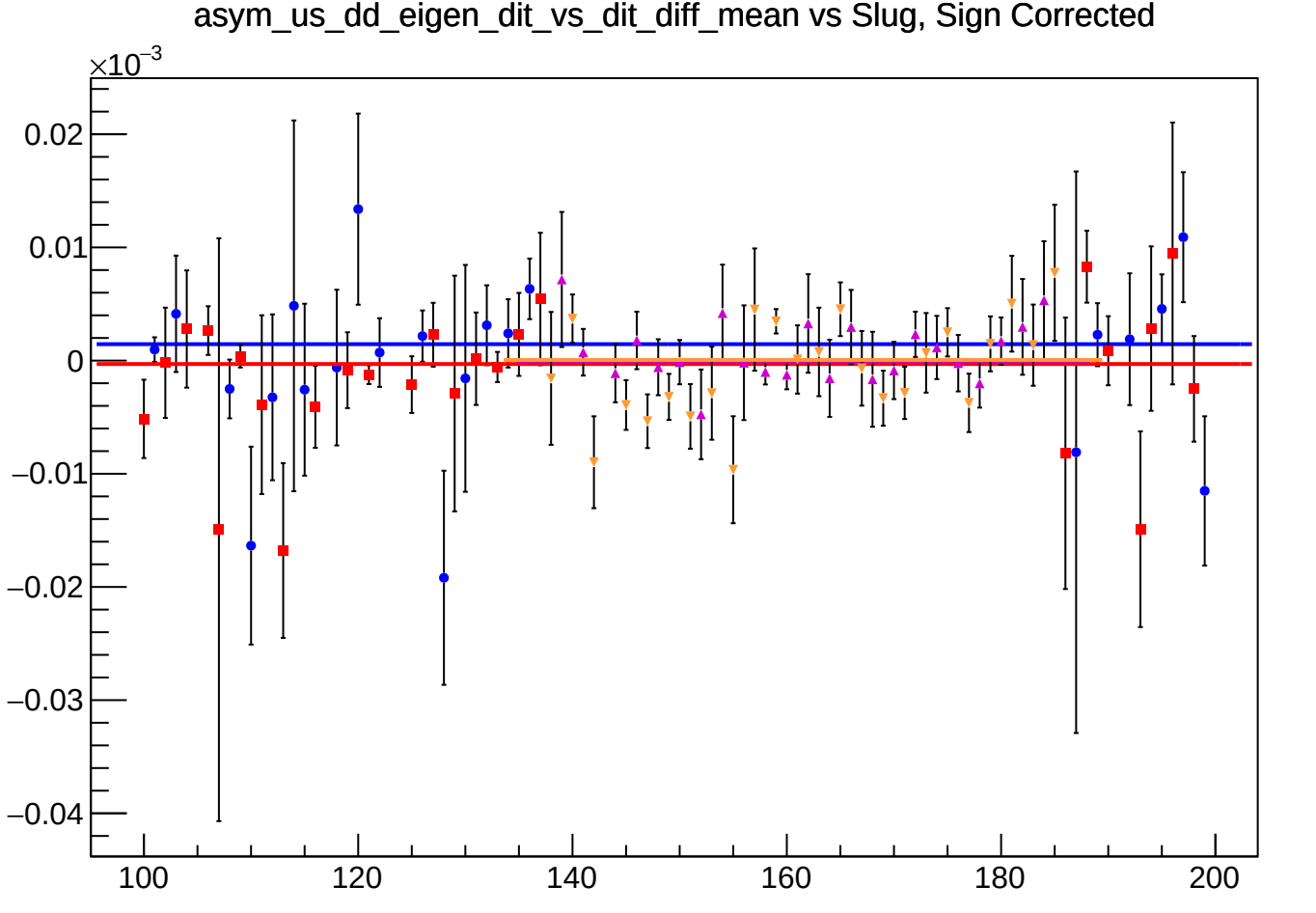
Left: 42.083+/-0.005 χ^2/NDF: 3259553.8/46

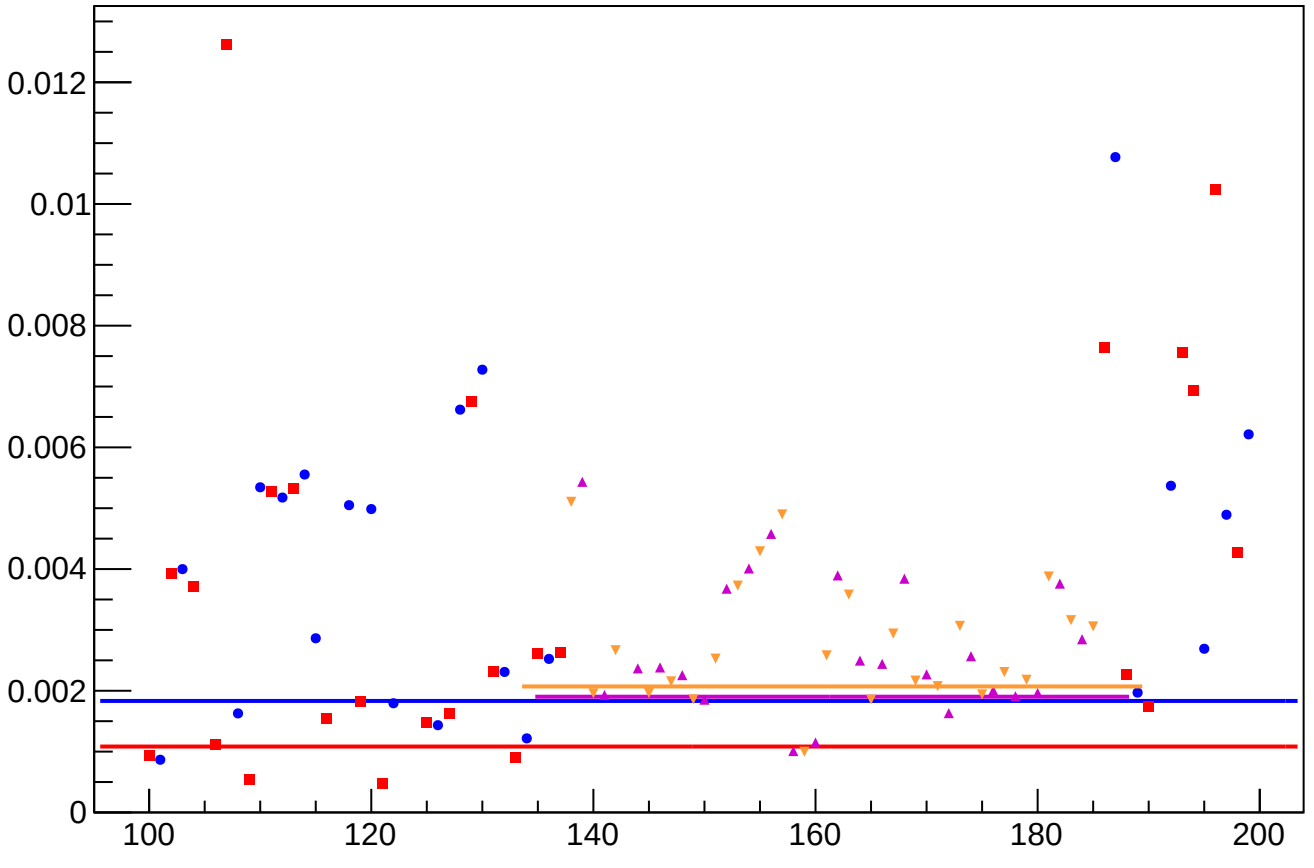
Right: 42.585+/-0.006 χ^2/NDF: 1268666.1/46

In: 42.322+/-0.006 χ^2/NDF:1822799.9/44

Out: 42.243+/-0.006 χ^2/NDF:2709016.1/48

All: 42.282+/-0.004 χ^2/NDF: 4531913.4/93


asym_us_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.02
0.01
0
−0.01
−0.02
−0.03
−0.04
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 26.3/21
Left Out: 0.000+/-0.000 χ²/NDF:51.7/23
Right Out: -0.000+/-0.000 χ²/NDF: 27.0/24
Left In: -0.000+/-0.000 χ²/NDF:13.0/22
Left: -0.000+/-0.000 χ²/NDF: 64.7/46
Right: 0.000+/-0.000 χ²/NDF: 57.6/46
In: 0.000+/-0.000 χ²/NDF:42.4/44
Out: -0.000+/-0.000 χ²/NDF:78.9/48
All: 0.000+/-0.000 χ²/NDF: 122.6/93



Right In: 0.002+/-0.000 χ^2/NDF: 7574696.8/21

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

Right Out: 0.001+/-0.000 χ^2/NDF: 11561974.1/24

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

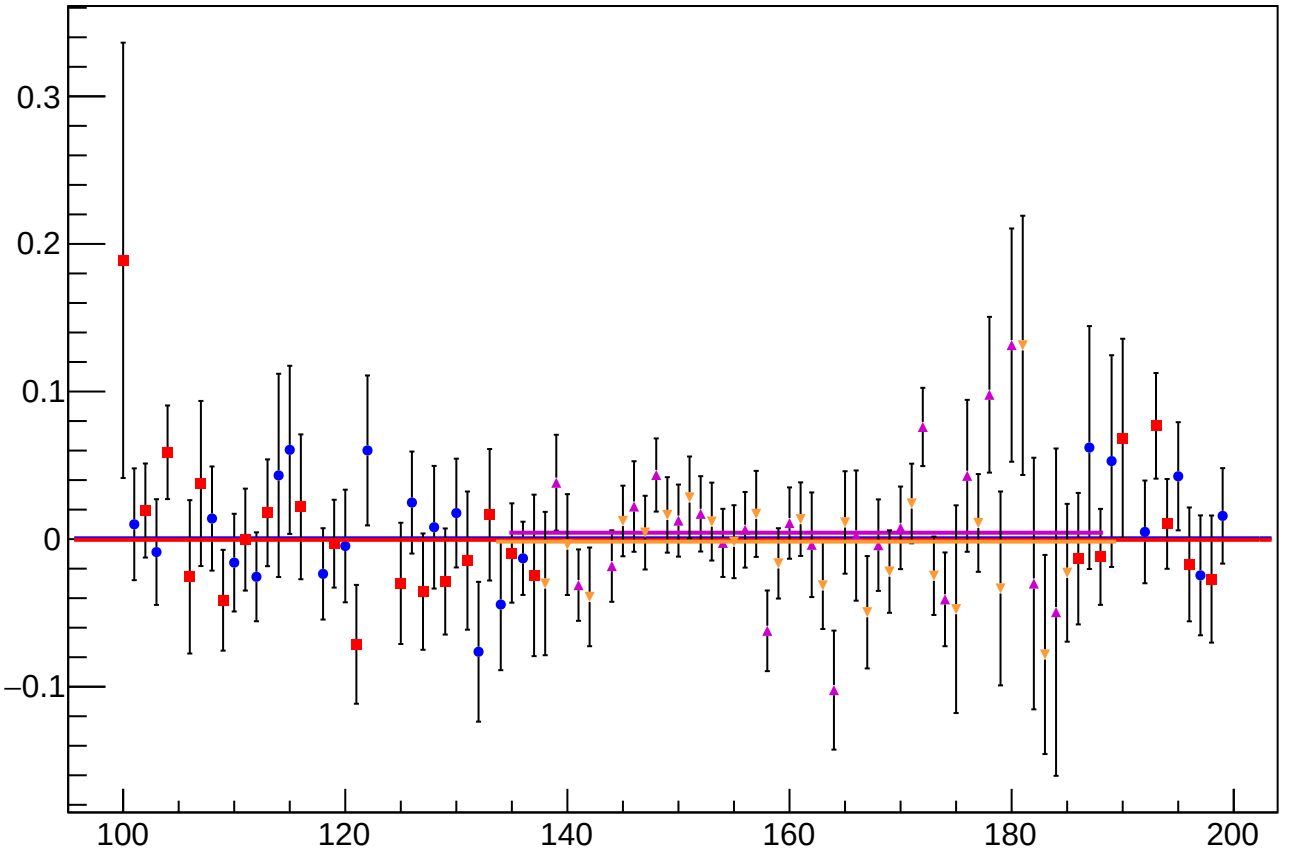
Left: 0.002+/-0.000 χ^2/NDF: 11308615.1/46

Right: 0.001+/-0.000 χ^2/NDF: 20725709.6/46

In: 0.002+/-0.000 χ^2/NDF:13524085.4/44

Out: 0.002+/-0.000 χ^2/NDF:20687468.3/48

All: 0.002+/-0.000 χ^2/NDF: 35044544.4/93



Right In: 0.001+/-0.008 χ^2/NDF: 12.5/21

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

Right Out: -0.000+/-0.008 χ^2/NDF: 20.3/24

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

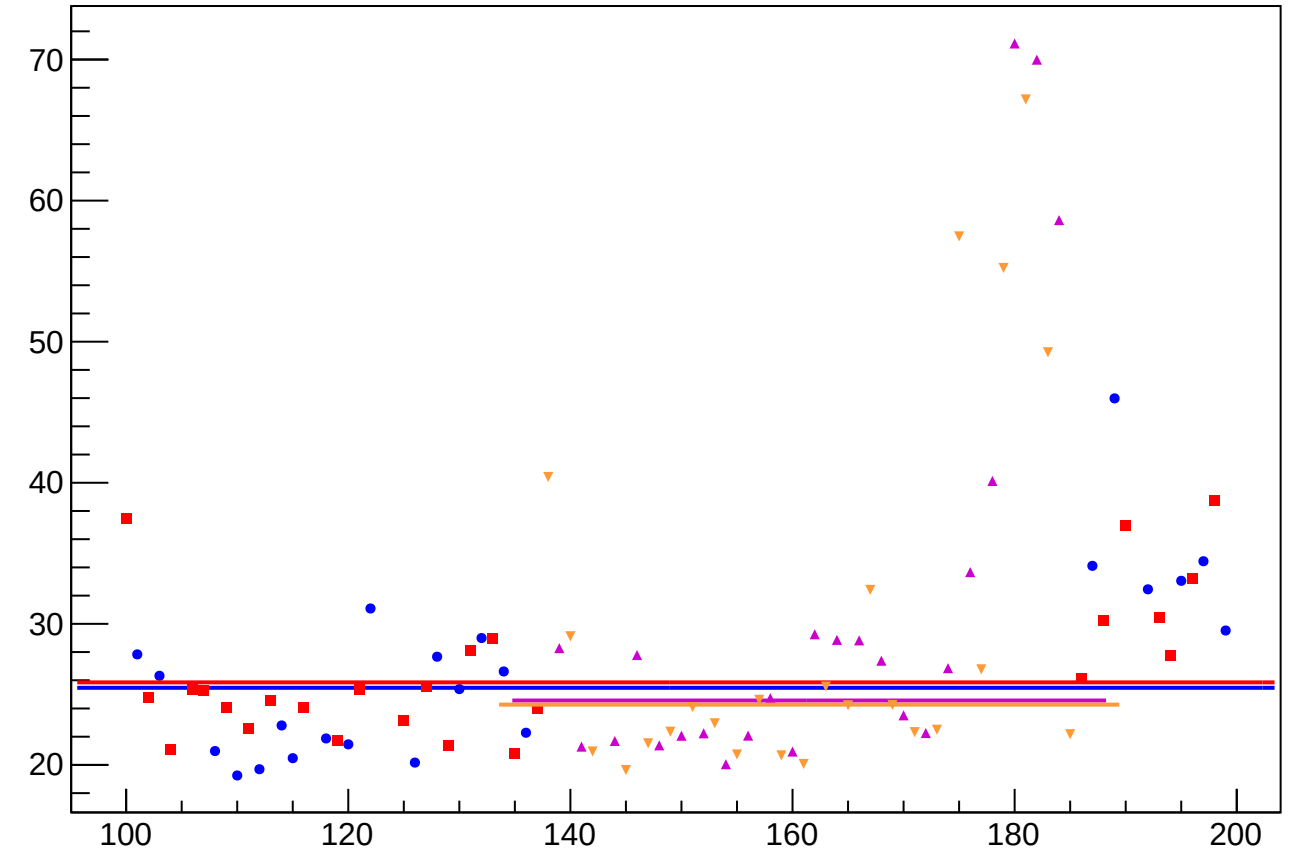
Left: 0.001+/-0.005 χ^2/NDF: 51.6/46

Right: 0.000+/-0.006 χ^2/NDF: 32.7/46

In: 0.003+/-0.005 χ^2/NDF:49.1/44

Out: -0.001+/-0.005 χ^2/NDF:34.9/48

All: 0.001+/-0.004 χ^2/NDF: 84.4/93



Right In: 25.467+/-0.006 χ^2/NDF: 856095.0/21

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

Right Out: 25.851+/-0.006 χ^2/NDF: 613555.7/24

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

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

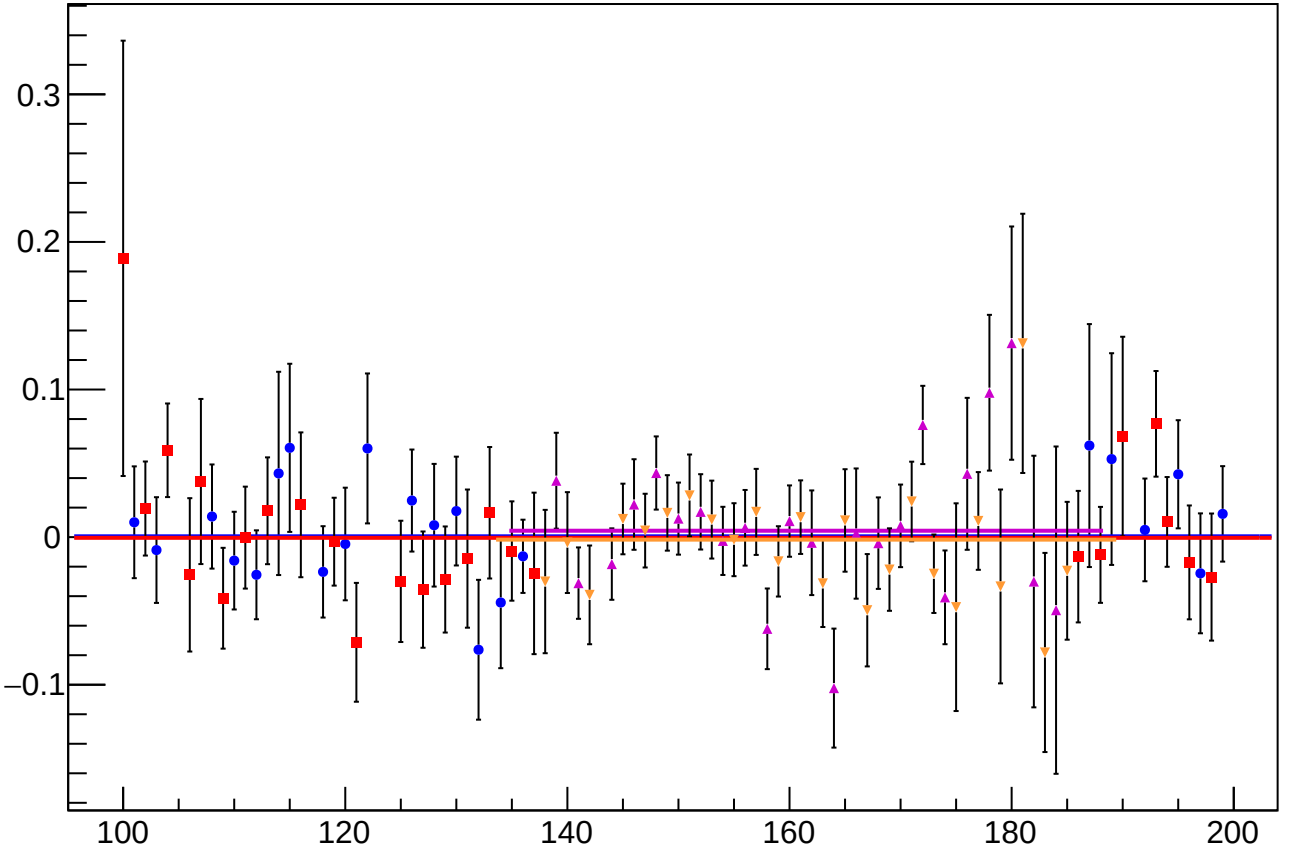
Right: 25.666+/-0.004 χ^2/NDF: 1471966.5/46

In: 24.909+/-0.004 χ^2/NDF:3004089.6/44

Out: 24.898+/-0.003 χ^2/NDF:2973124.6/48

All: 24.904+/-0.002 χ^2/NDF: 5977219.5/93

asym_us_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.001+/-0.008 χ^2/NDF: 12.5/21

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

Right Out: -0.000+/-0.008 χ^2/NDF: 20.3/24

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

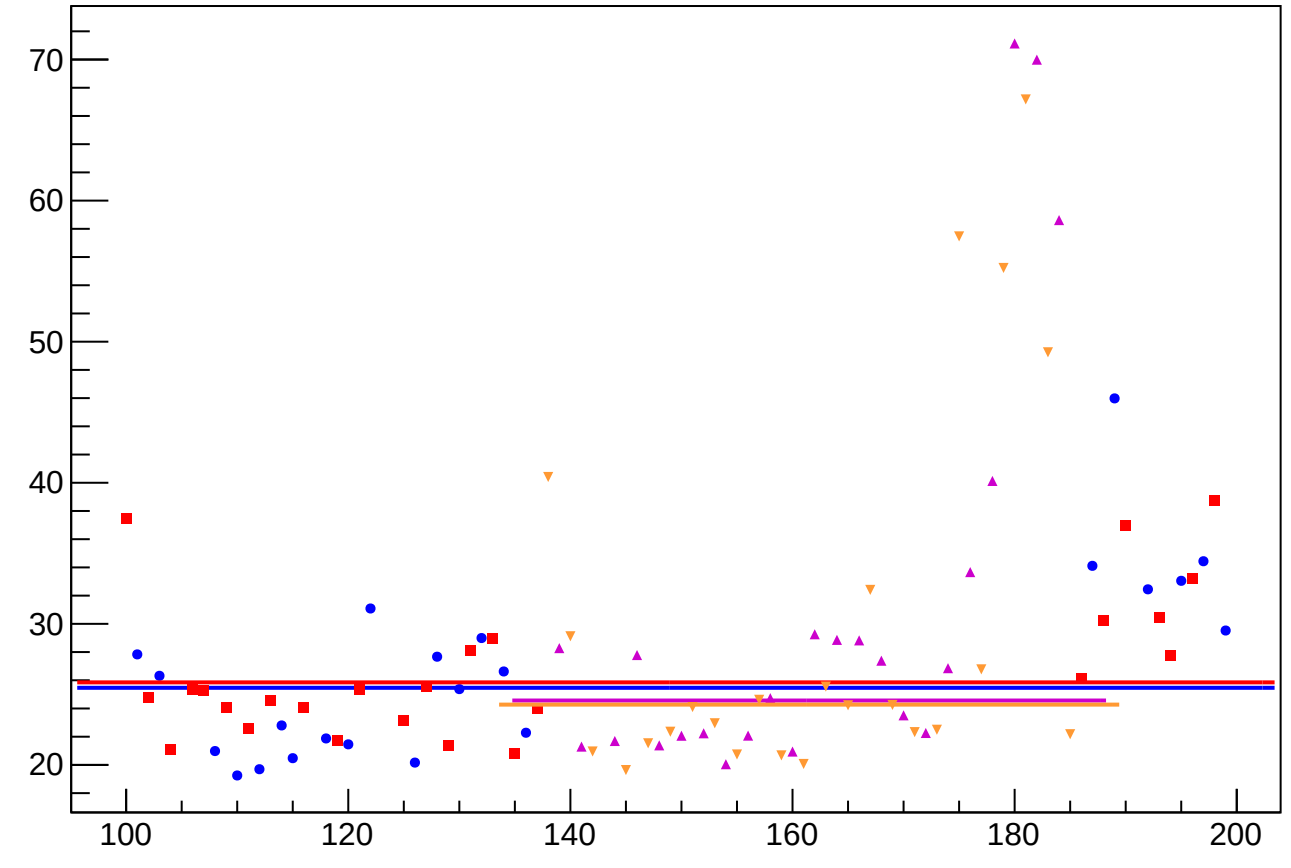
Left: 0.001+/-0.005 χ^2/NDF: 51.6/46

Right: 0.000+/-0.006 χ^2/NDF: 32.7/46

In: 0.003+/-0.005 χ^2/NDF:49.1/44

Out: -0.001+/-0.005 χ^2/NDF:34.9/48

All: 0.001+/-0.004 χ^2/NDF: 84.4/93



Right In: 25.467+/-0.006 χ^2/NDF: 856095.0/21

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

Right Out: 25.851+/-0.006 χ^2/NDF: 613555.7/24

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

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

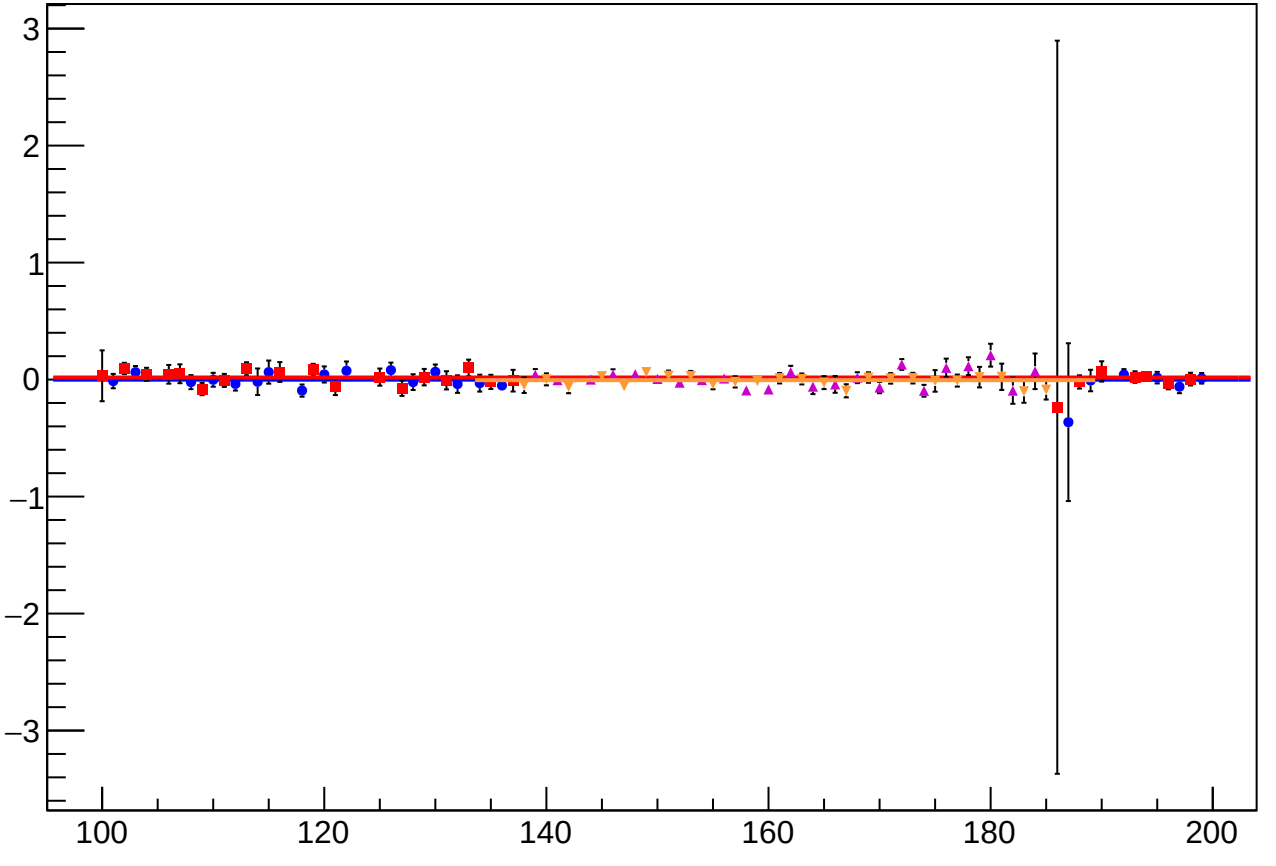
Right: 25.666+/-0.004 χ^2/NDF: 1471966.5/46

In: 24.909+/-0.004 χ^2/NDF:3004089.6/44

Out: 24.898+/-0.003 χ^2/NDF:2973124.6/48

All: 24.904+/-0.002 χ^2/NDF: 5977219.5/93

asym_us_dd_eigen_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.001+/-0.013 χ^2/NDF: 14.2/21

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

Right Out: 0.018+/-0.013 χ^2/NDF: 17.4/24

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

Left: -0.002+/-0.007 χ^2/NDF: 51.9/46

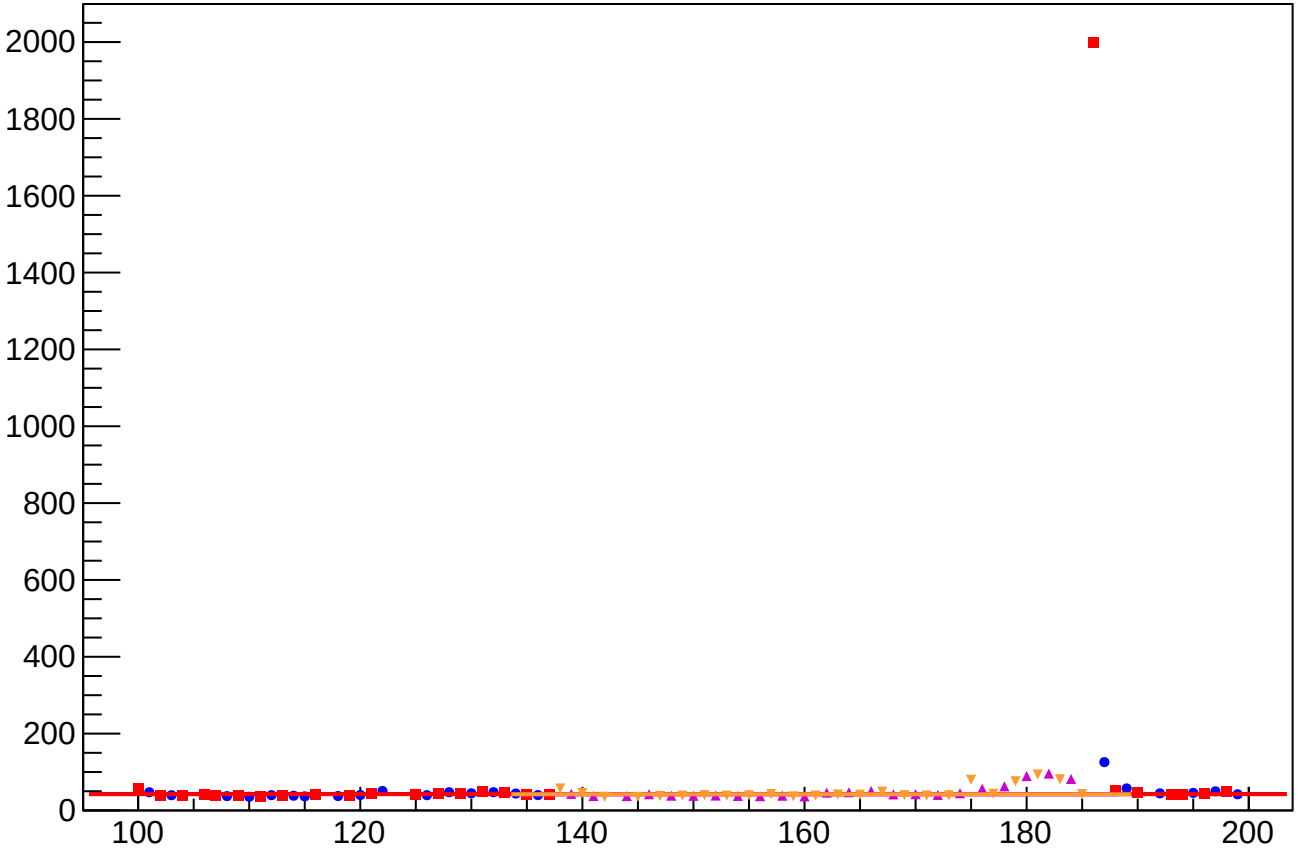
Right: 0.009+/-0.009 χ^2/NDF: 32.6/46

In: -0.000+/-0.008 χ^2/NDF:52.2/44

Out: 0.004+/-0.008 χ^2/NDF:33.2/48

All: 0.002+/-0.006 χ^2/NDF: 85.5/93

asym_us_dd_eigen_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



Right In: 42.709+/-0.009 χ^2/NDF: 276400.7/21

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

Right Out: 42.470+/-0.009 χ^2/NDF: 991872.1/24

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

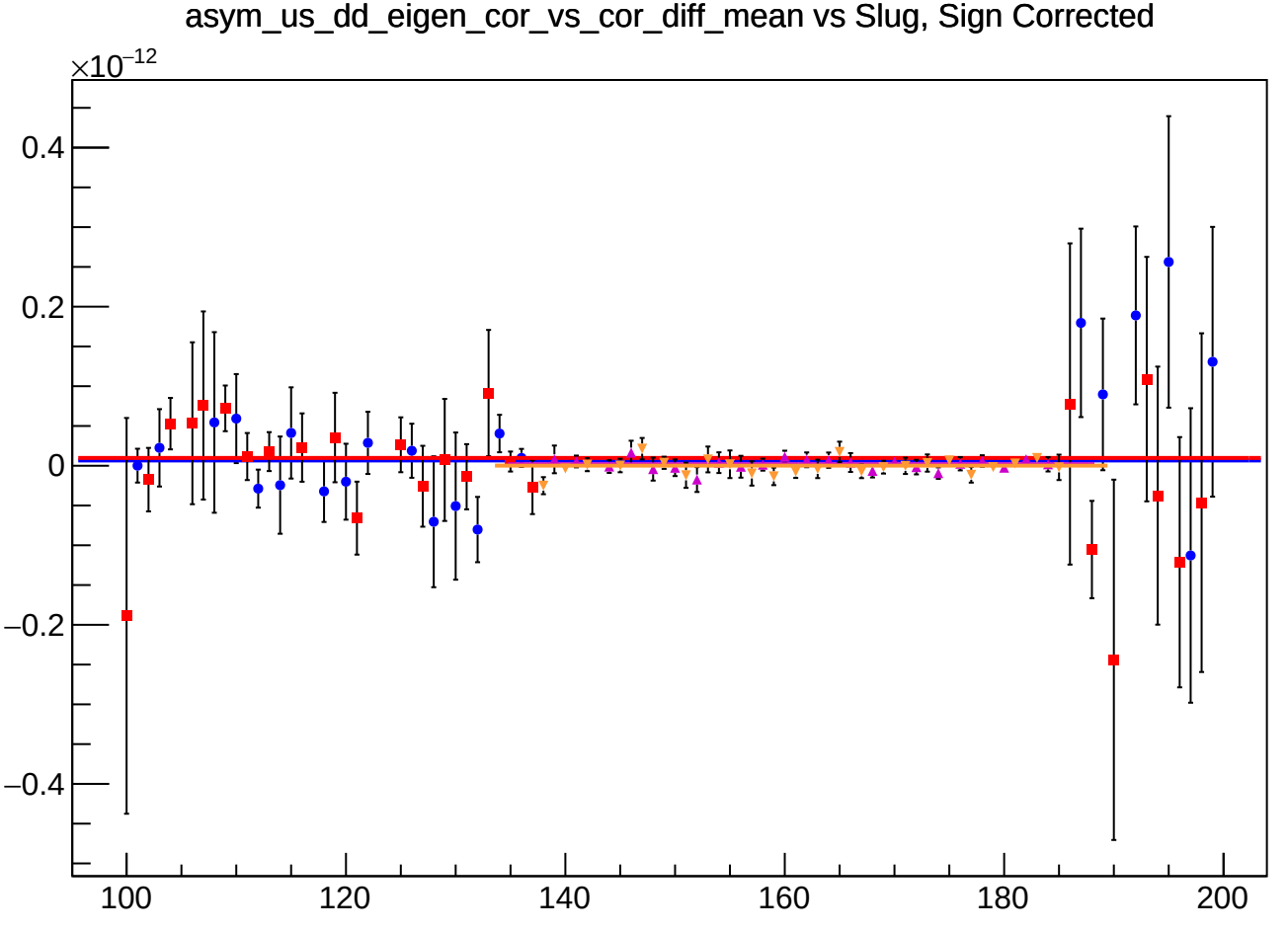
Left: 42.083+/-0.005 χ^2/NDF: 3259520.0/46

Right: 42.585+/-0.006 χ^2/NDF: 1268620.5/46

In: 42.322+/-0.006 χ^2/NDF:1822734.6/44

Out: 42.243+/-0.006 χ^2/NDF:2708997.8/48

All: 42.282+/-0.004 χ^2/NDF: 4531829.8/93



Right In: 0.000+/-0.000 χ^2/NDF: 22.1/21

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

Right Out: 0.000+/-0.000 χ^2/NDF: 20.8/24

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

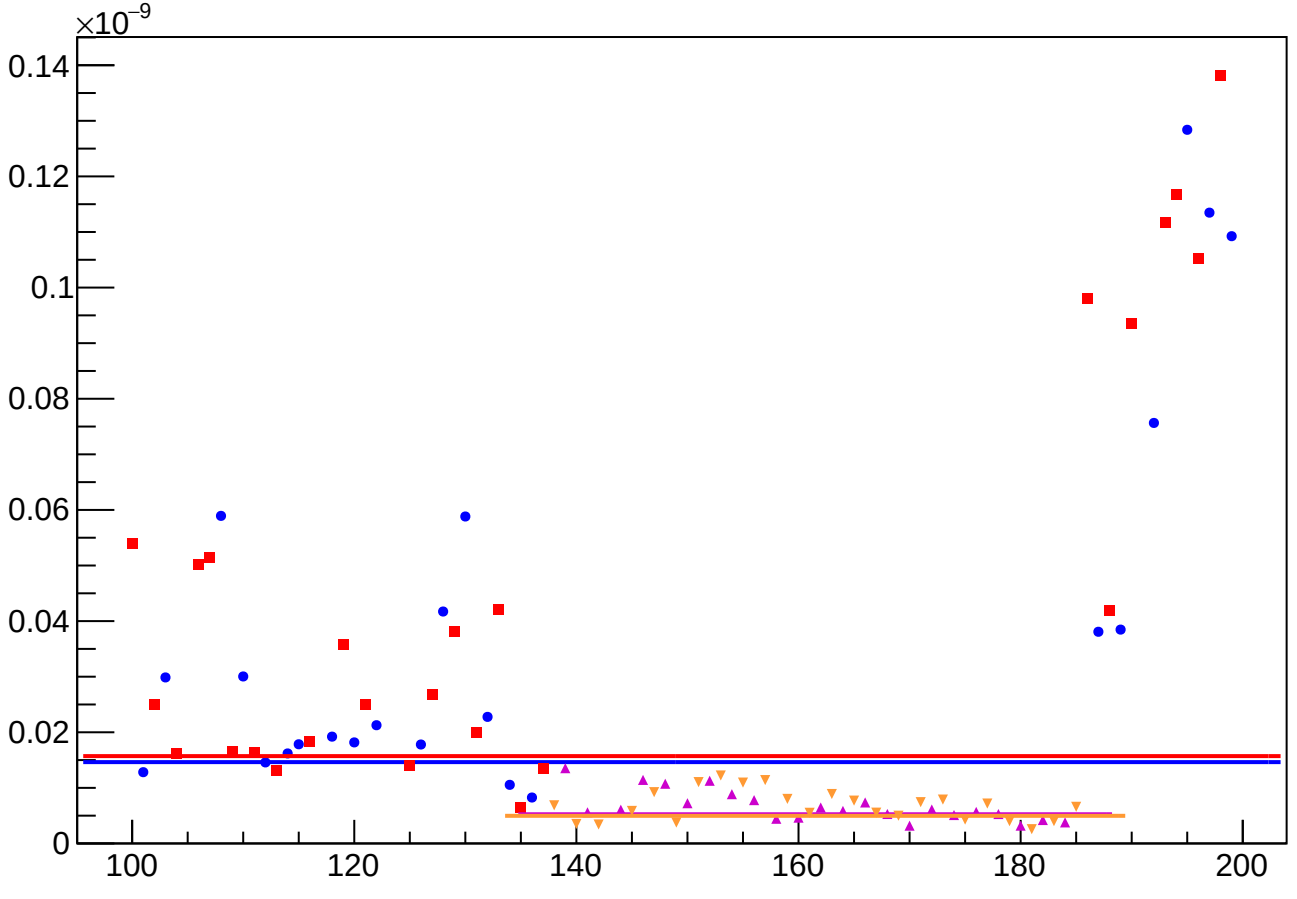
Left: 0.000+/-0.000 χ^2/NDF: 33.5/46

Right: 0.000+/-0.000 χ^2/NDF: 43.0/46

In: 0.000+/-0.000 χ^2/NDF:34.3/44

Out: 0.000+/-0.000 χ^2/NDF:43.5/48

All: 0.000+/-0.000 χ^2/NDF: 78.2/93



Right In: 0.000+/-0.000 χ^2/NDF: 4988709.8/21

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

Right Out: 0.000+/-0.000 χ^2/NDF: 6346230.4/24

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

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

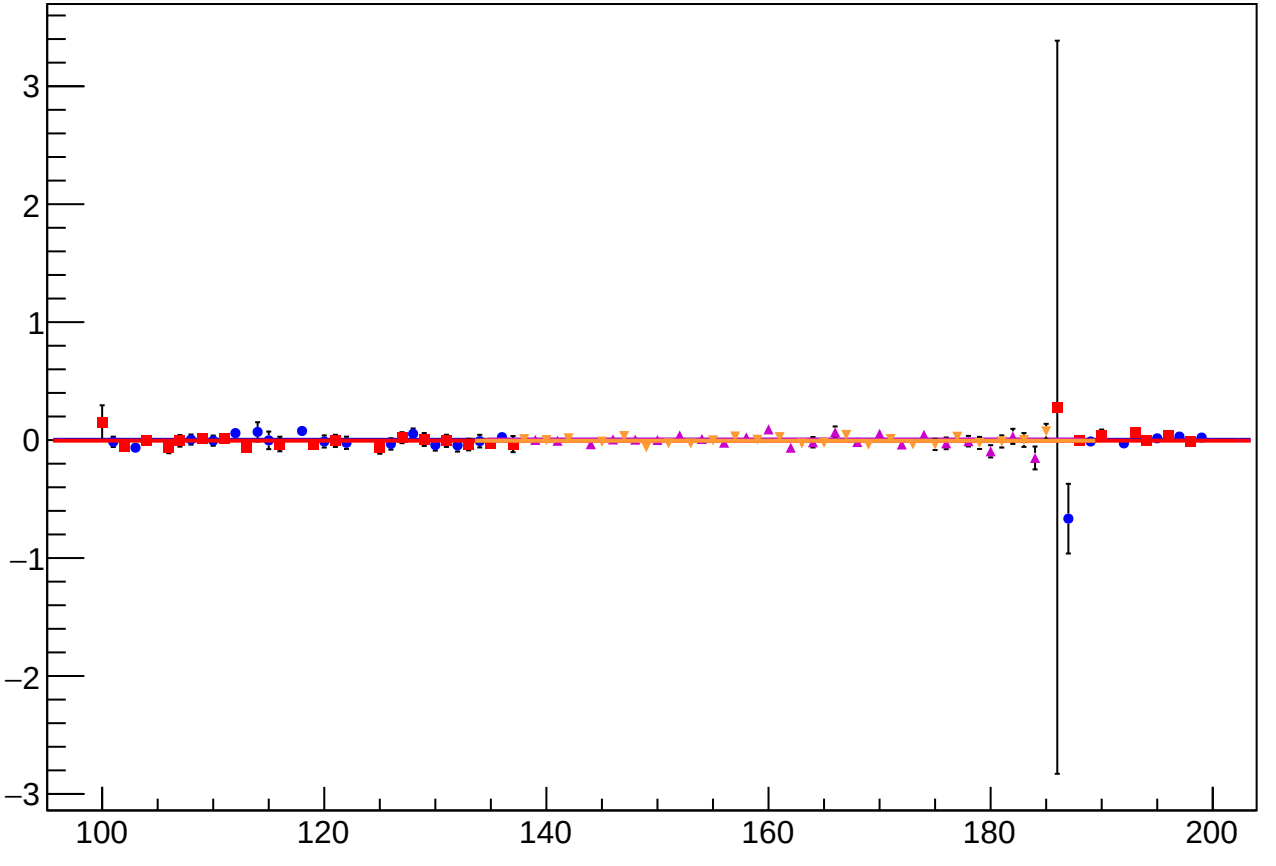
Right: 0.000+/-0.000 χ^2/NDF: 11355715.8/46

In: 0.000+/-0.000 χ^2/NDF:10727921.4/44

Out: 0.000+/-0.000 χ^2/NDF:13614178.4/48

All: 0.000+/-0.000 χ^2/NDF: 24373705.2/93

asym_us_dd_overload_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.002+/-0.008 χ^2/NDF: 23.5/21

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

Right Out: -0.005+/-0.008 χ^2/NDF: 21.0/24

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

Left: -0.001+/-0.005 χ^2/NDF: 48.8/46

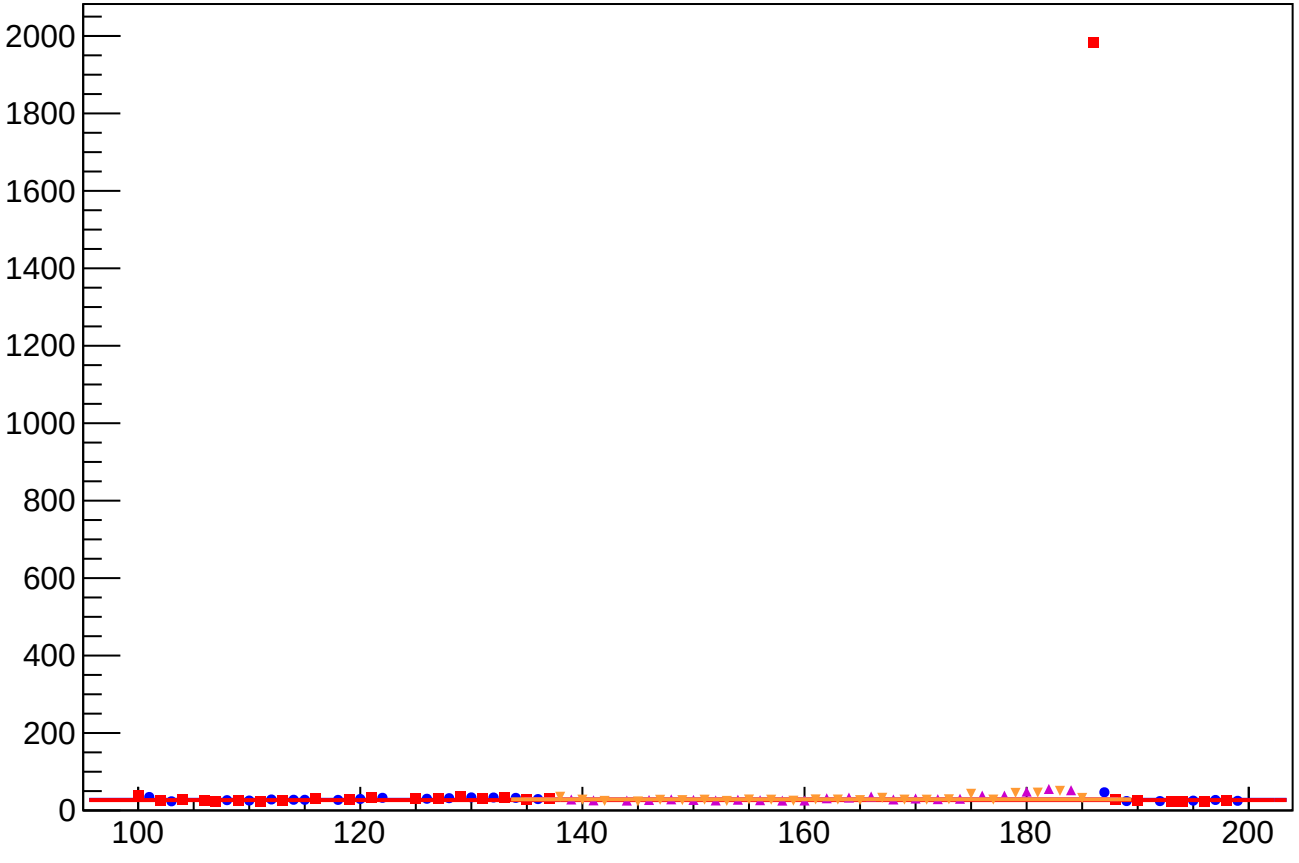
Right: -0.001+/-0.006 χ^2/NDF: 44.8/46

In: 0.003+/-0.005 χ^2/NDF:54.7/44

Out: -0.005+/-0.005 χ^2/NDF:37.7/48

All: -0.001+/-0.004 χ^2/NDF: 93.7/93

asym_us_dd_overload_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.468+/-0.006 χ^2/NDF: 305232.9/21

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

Right Out: 26.764+/-0.006 χ^2/NDF: 1079739.3/24

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

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

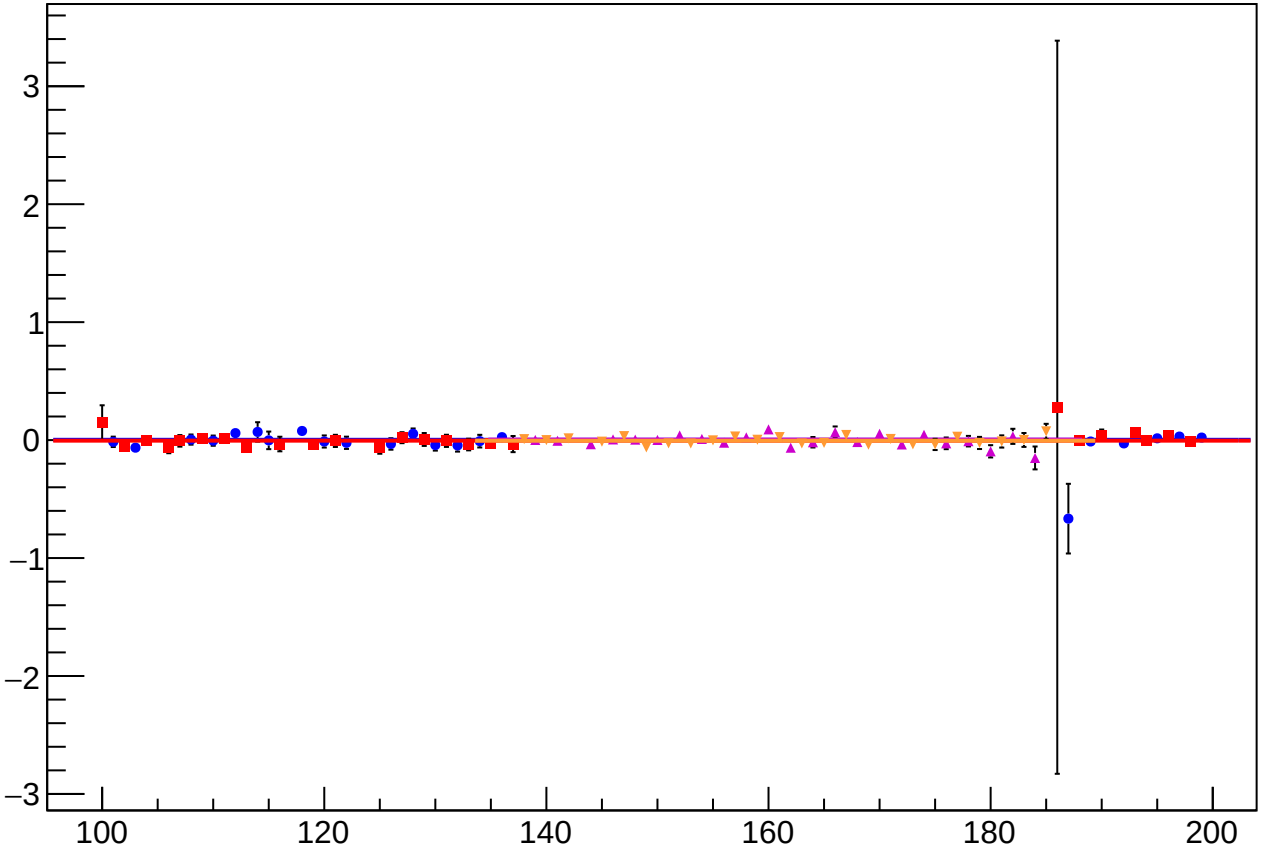
Right: 27.100+/-0.004 χ^2/NDF: 1392148.4/46

In: 28.511+/-0.004 χ^2/NDF:1497152.7/44

Out: 27.912+/-0.004 χ^2/NDF:2320684.4/48

All: 28.203+/-0.003 χ^2/NDF: 3830085.7/93

asym_us_dd_overload_cor_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.002+/-0.008 χ^2/NDF: 23.5/21

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

Right Out: -0.005+/-0.008 χ^2/NDF: 21.0/24

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

Left: -0.001+/-0.005 χ^2/NDF: 48.8/46

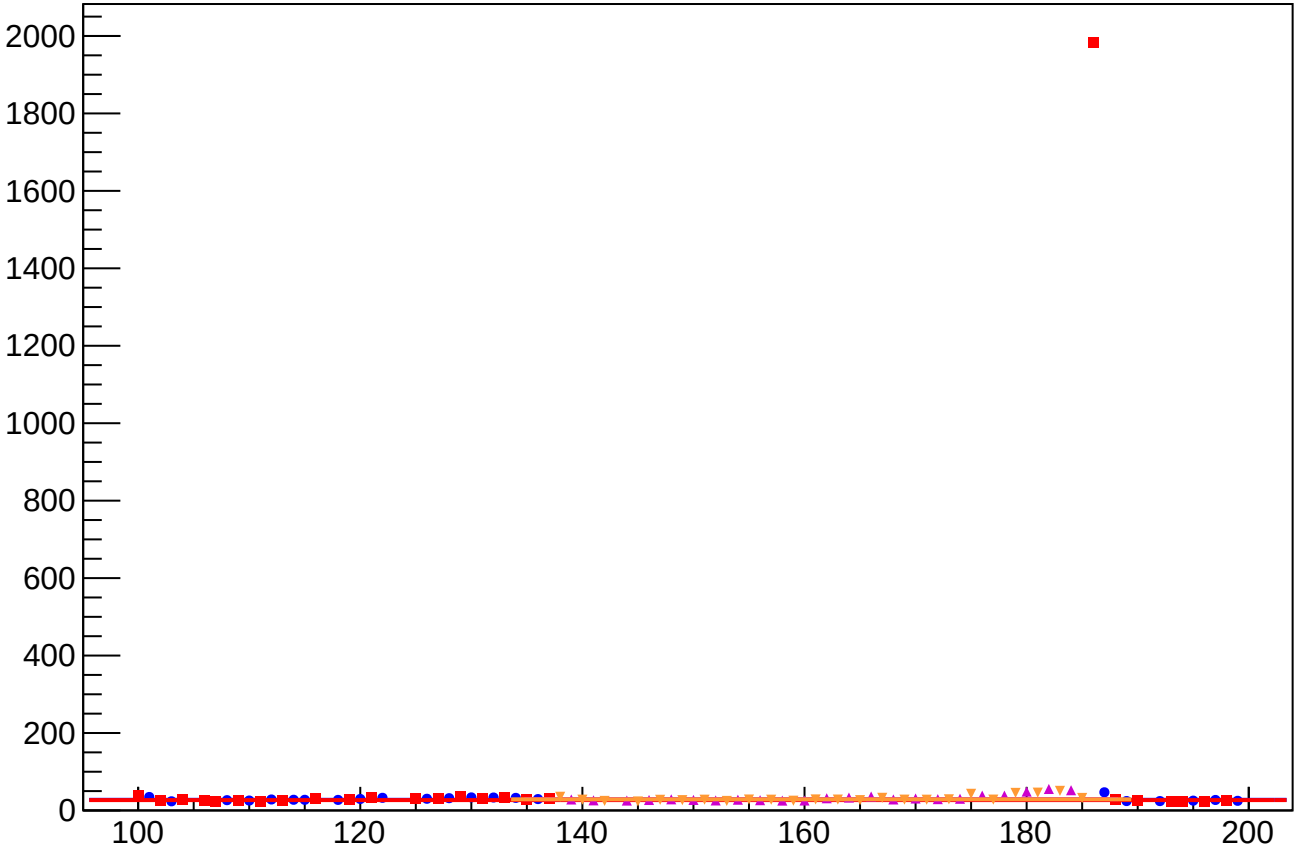
Right: -0.001+/-0.006 χ^2/NDF: 44.8/46

In: 0.003+/-0.005 χ^2/NDF:54.7/44

Out: -0.005+/-0.005 χ^2/NDF:37.7/48

All: -0.001+/-0.004 χ^2/NDF: 93.7/93

asym_us_dd_overload_cor_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.468+/-0.006 χ^2/NDF: 305232.9/21

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

Right Out: 26.764+/-0.006 χ^2/NDF: 1079739.3/24

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

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

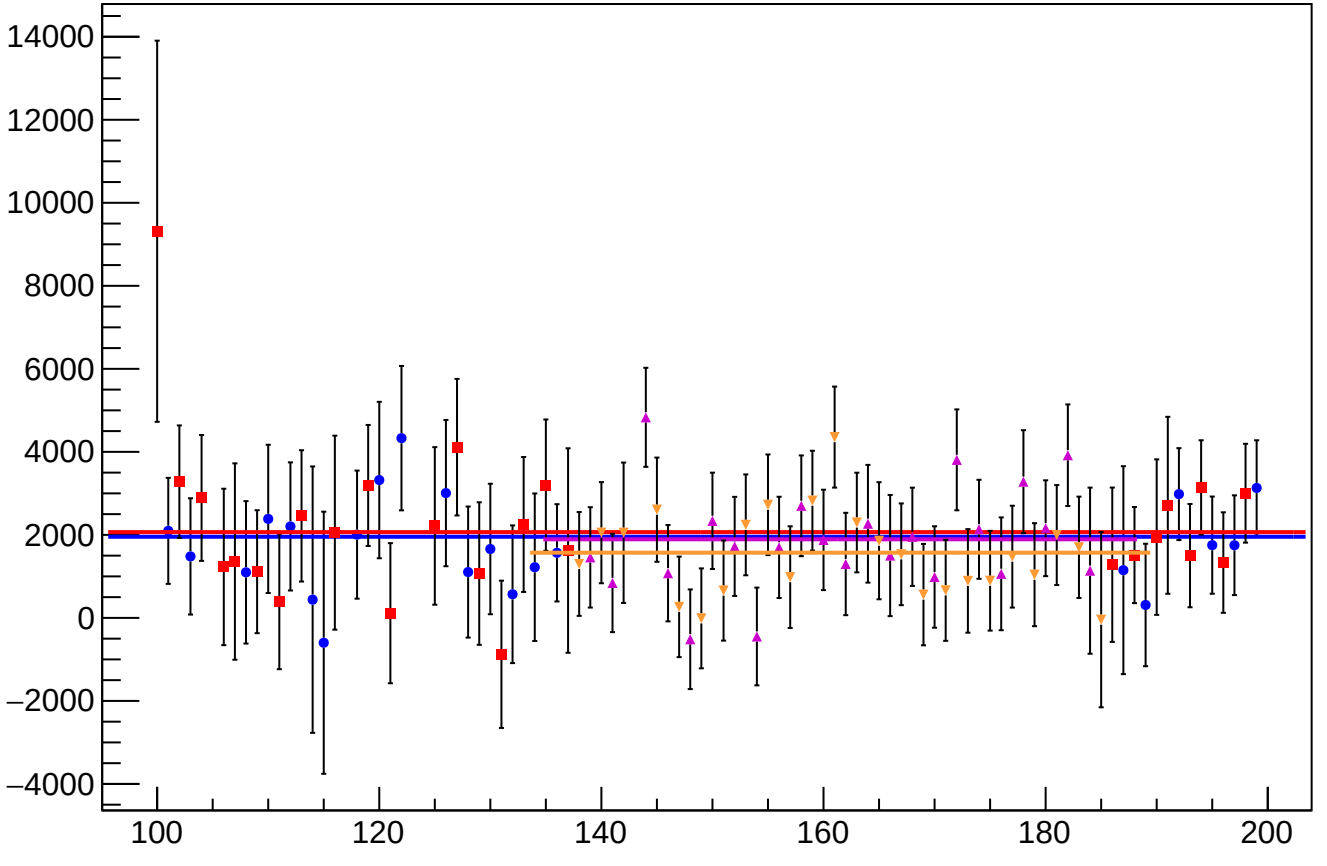
Right: 27.100+/-0.004 χ^2/NDF: 1392148.4/46

In: 28.511+/-0.004 χ^2/NDF:1497152.7/44

Out: 27.912+/-0.004 χ^2/NDF:2320684.4/48

All: 28.203+/-0.003 χ^2/NDF: 3830085.7/93

reg_asym_usl_mean vs Slug, Sign Corrected



Right In: 1954.928+/-323.116 χ^2/NDF: 8.7/21

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

Right Out: 2067.055+/-311.288 χ^2/NDF: 15.1/25

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

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

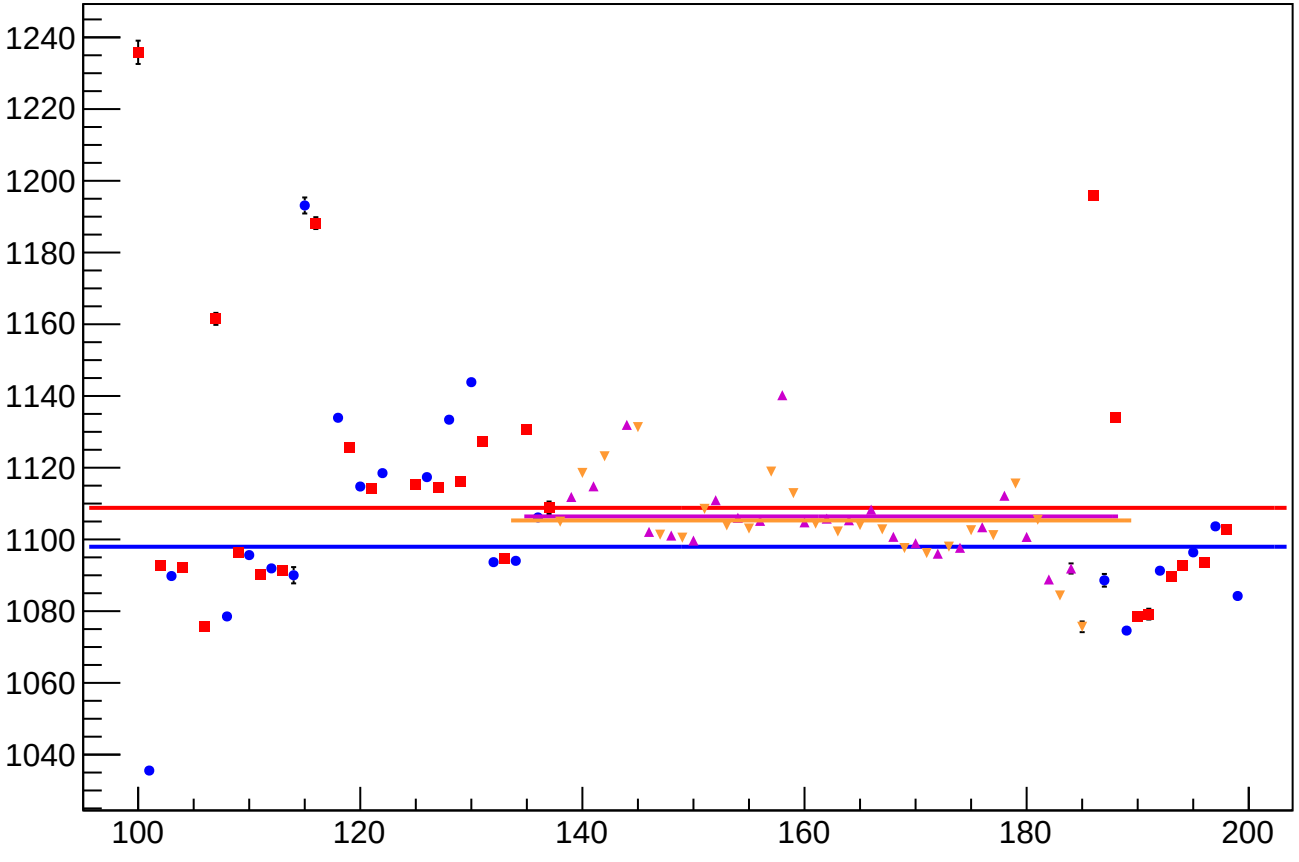
Right: 2013.081+/-224.179 χ^2/NDF: 23.9/47

In: 1917.361+/-201.776 χ^2/NDF:32.8/44

Out: 1771.669+/-197.971 χ^2/NDF:32.0/49

All: 1843.129+/-141.313 χ^2/NDF: 65.1/94

reg_asym_usl_rms vs Slug, Sign Corrected



Right In: 1097.961+/-0.228 χ^2/NDF: 12501.1/21

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

Right Out: 1108.806+/-0.220 χ^2/NDF: 15240.3/25

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

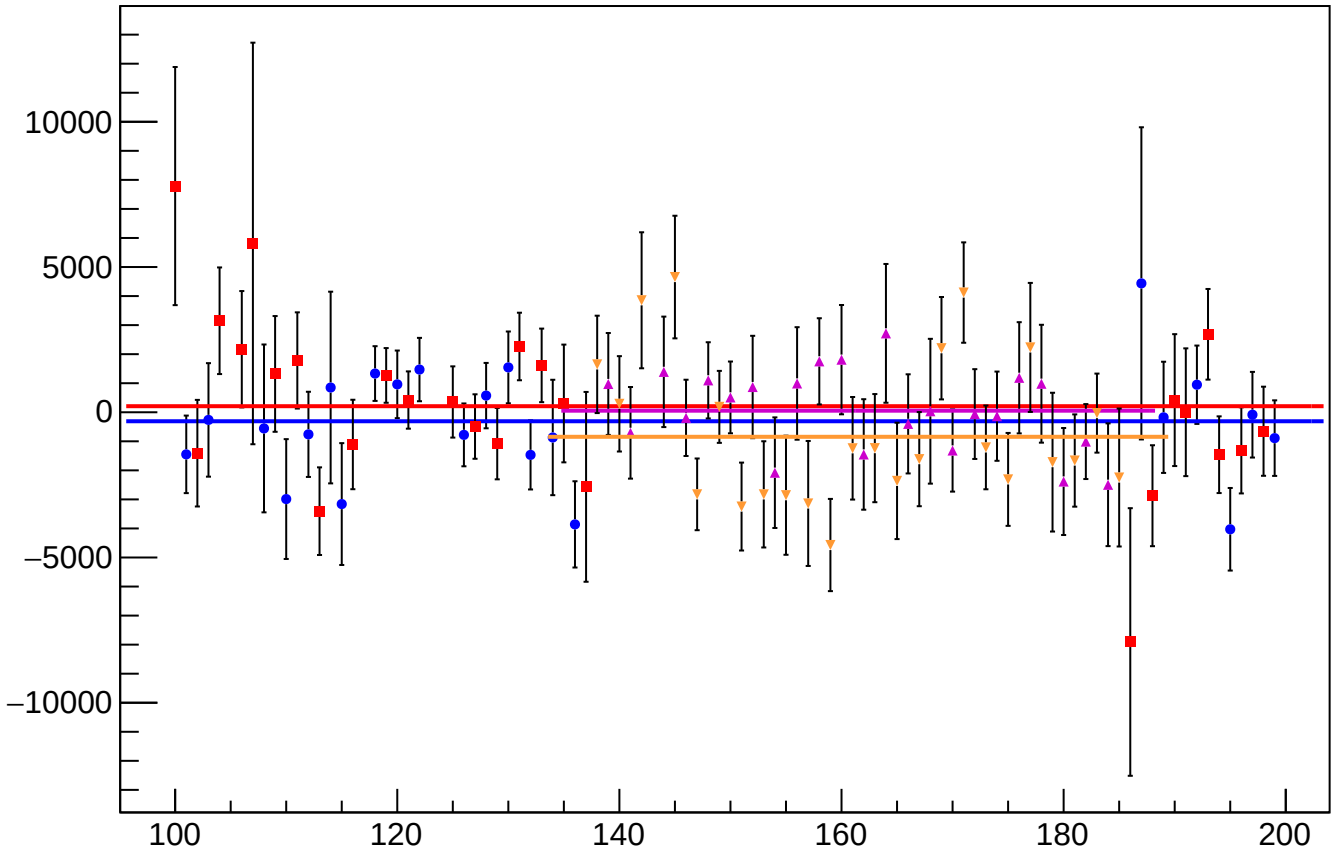
Left: 1105.846+/-0.129 χ^2/NDF: 6956.8/46

Right: 1103.586+/-0.159 χ^2/NDF: 28909.7/47

In: 1103.112+/-0.143 χ^2/NDF:17110.7/44

Out: 1106.714+/-0.140 χ^2/NDF:18553.6/49

All: 1104.948+/-0.100 χ^2/NDF: 35989.1/94



Right In: -309.490+/-304.523 χ^2/NDF: 29.9/21

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

Right Out: 208.806+/-300.932 χ^2/NDF: 35.7/25

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

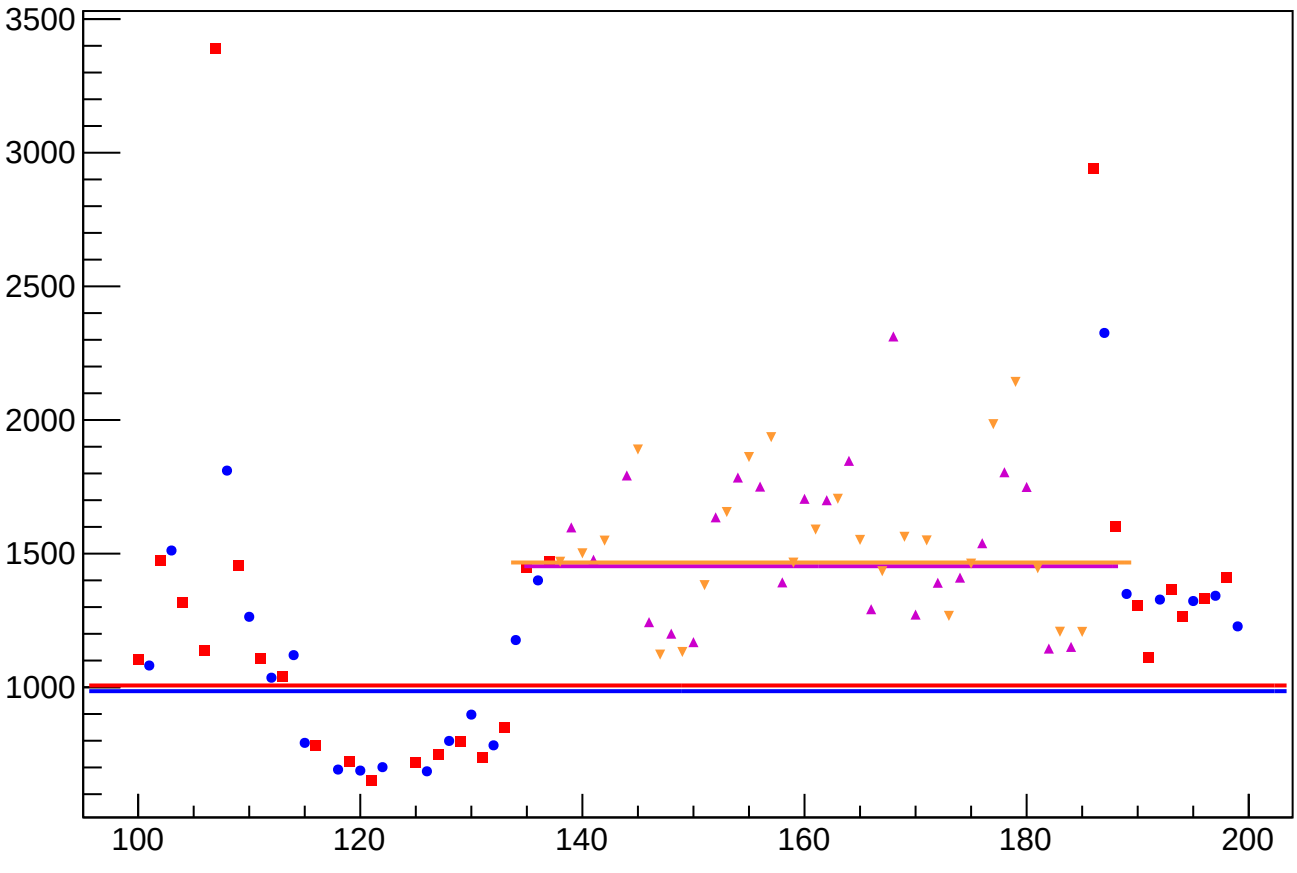
Left: -393.356+/-245.120 χ^2/NDF: 60.6/46

Right: -47.268+/-214.050 χ^2/NDF: 67.1/47

In: -150.656+/-228.585 χ^2/NDF:43.6/44

Out: -242.883+/-227.444 χ^2/NDF:85.1/49

All: -197.000+/-161.229 χ^2/NDF: 128.8/94



Right In: 985.426+/-0.215 χ^2/NDF: 1913726.6/21

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

Right Out: 1006.710+/-0.213 χ^2/NDF: 2621252.0/25

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

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

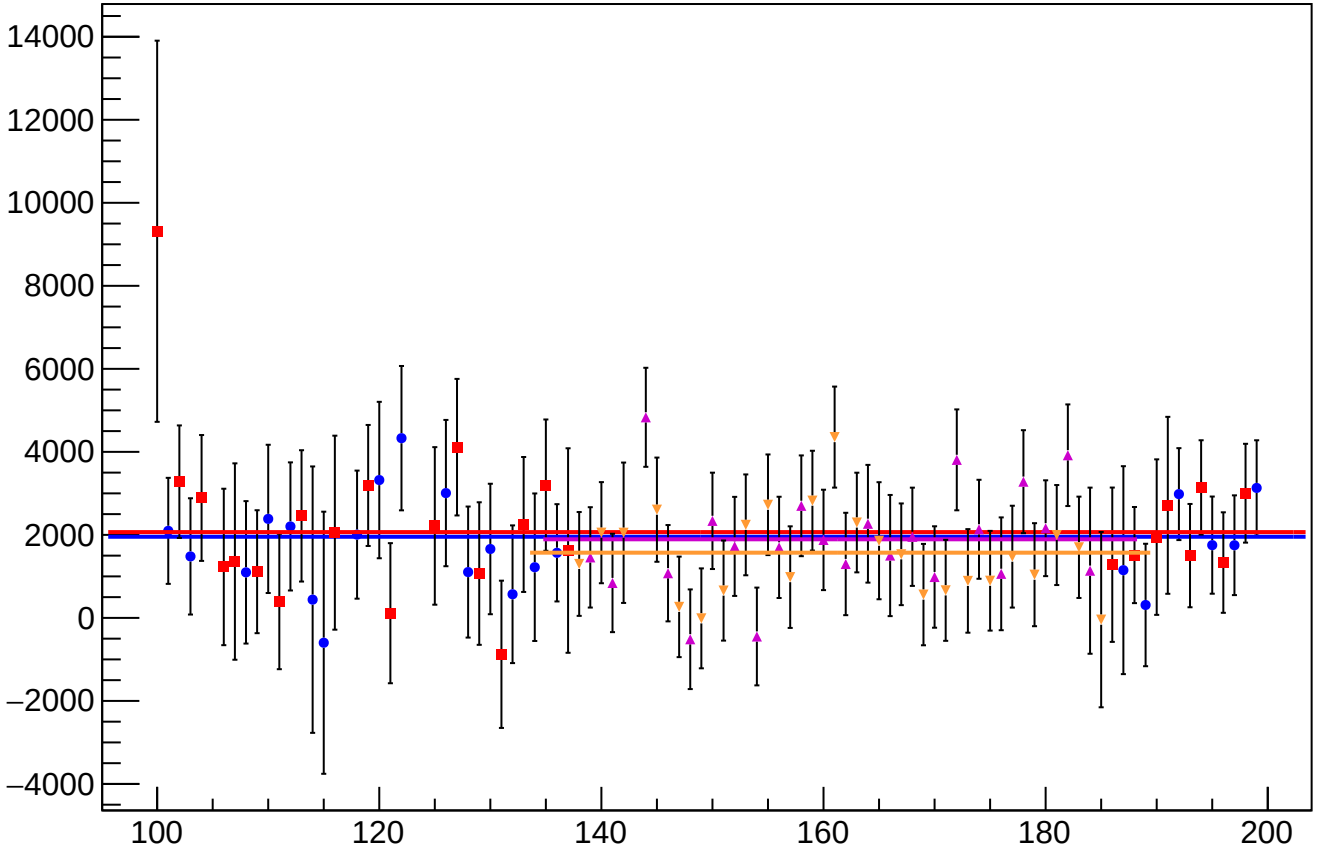
Right: 996.194+/-0.151 χ^2/NDF: 4539921.7/47

In: 1189.539+/-0.162 χ^2/NDF:5101527.6/44

Out: 1204.002+/-0.161 χ^2/NDF:5669435.7/49

All: 1196.807+/-0.114 χ^2/NDF: 10774986.4/9

cor_asym_usl_mean vs Slug, Sign Corrected



Right In: 1954.928+/-323.116 χ^2/NDF: 8.7/21

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

Right Out: 2067.045+/-311.288 χ^2/NDF: 15.1/25

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

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

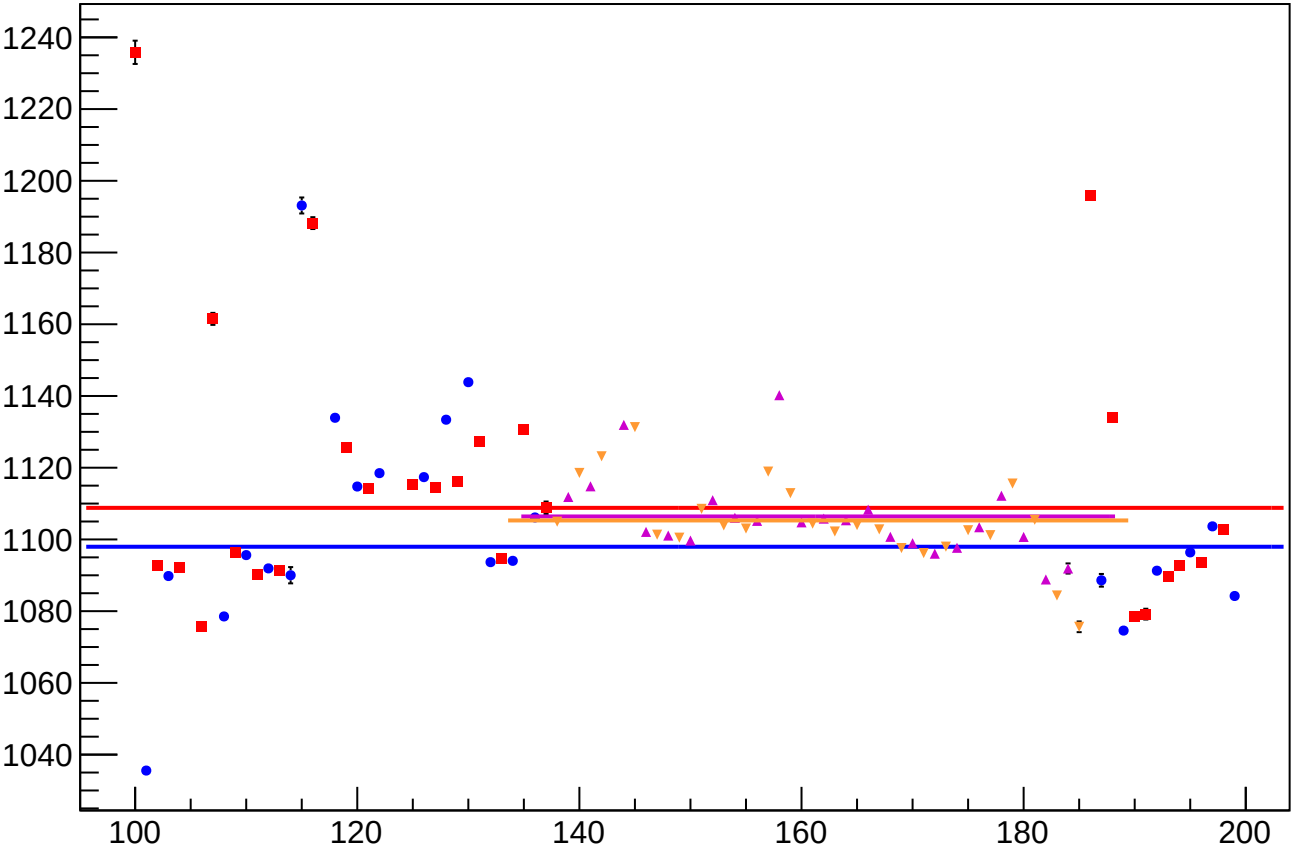
Right: 2013.076+/-224.179 χ^2/NDF: 23.9/47

In: 1917.361+/-201.776 χ^2/NDF:32.8/44

Out: 1771.665+/-197.971 χ^2/NDF:32.0/49

All: 1843.127+/-141.313 χ^2/NDF: 65.1/94

cor_asym_usl_rms vs Slug, Sign Corrected



Right In: 1097.961+/-0.228 χ^2/NDF: 12501.1/21

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

Right Out: 1108.806+/-0.220 χ^2/NDF: 15240.3/25

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

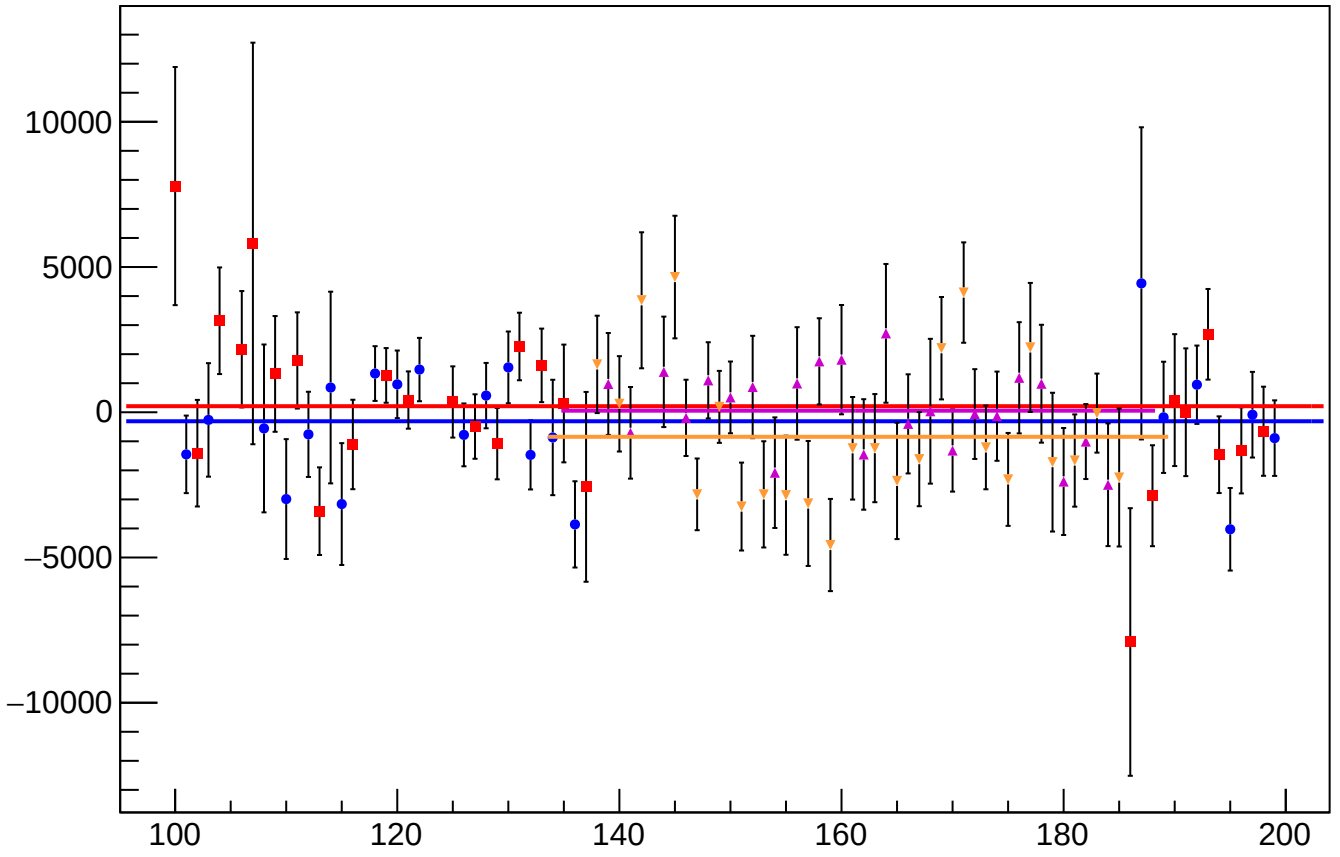
Left: 1105.846+/-0.129 χ^2/NDF: 6956.8/46

Right: 1103.586+/-0.159 χ^2/NDF: 28909.7/47

In: 1103.112+/-0.143 χ^2/NDF:17110.7/44

Out: 1106.714+/-0.140 χ^2/NDF:18553.6/49

All: 1104.948+/-0.100 χ^2/NDF: 35989.1/94



Right In: -309.490+/-304.523 χ^2/NDF: 29.9/21

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

Right Out: 208.805+/-300.932 χ^2/NDF: 35.7/25

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

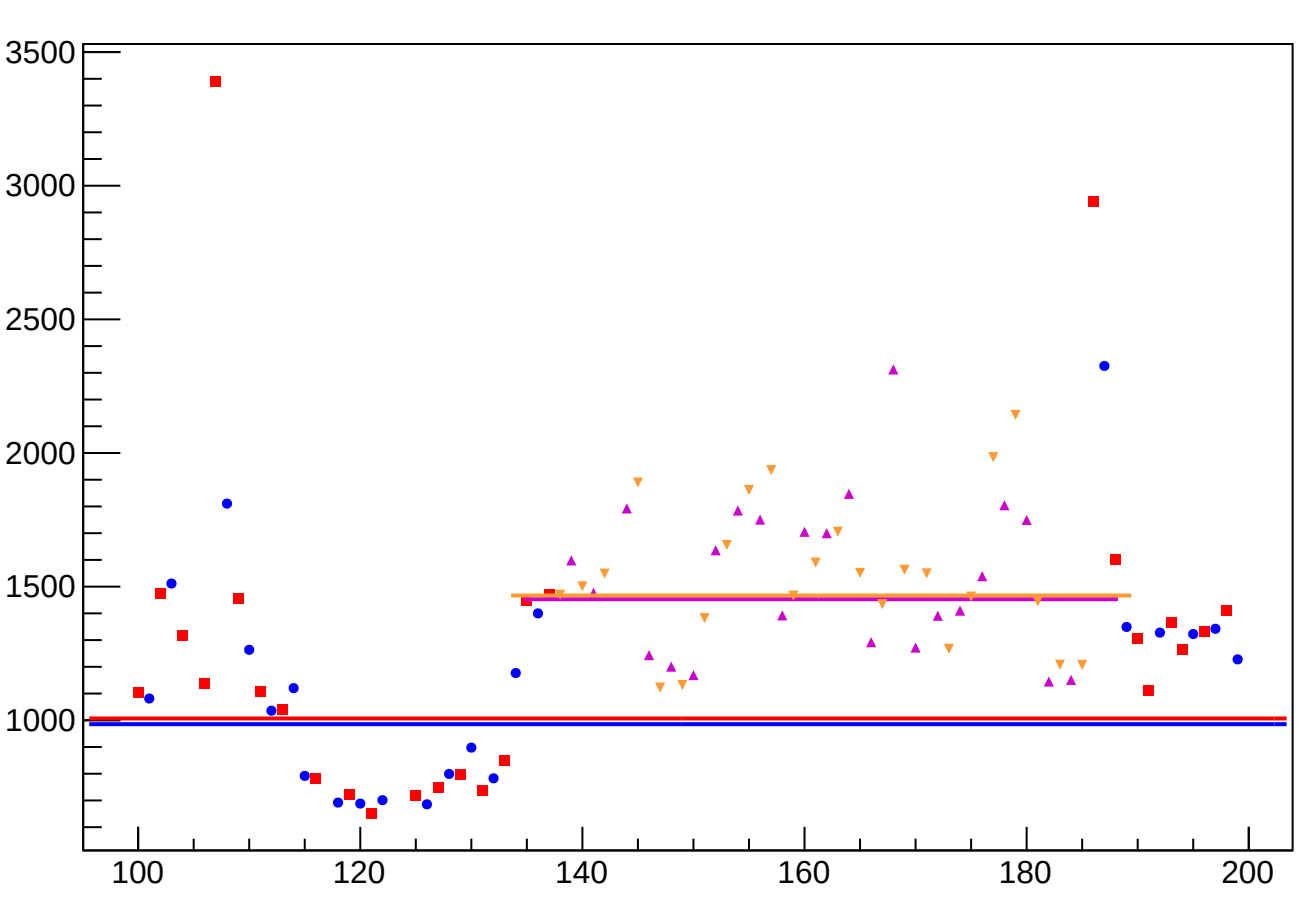
Left: -393.356+/-245.120 χ^2/NDF: 60.6/46

Right: -47.268+/-214.050 χ^2/NDF: 67.1/47

In: -150.656+/-228.585 χ^2/NDF:43.6/44

Out: -242.883+/-227.444 χ^2/NDF:85.1/49

All: -197.000+/-161.229 χ^2/NDF: 128.8/94



Right In: 985.426+/-0.215 χ^2/NDF: 1913726.6/21

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

Right Out: 1006.710+/-0.213 χ^2/NDF: 2621251.0/25

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

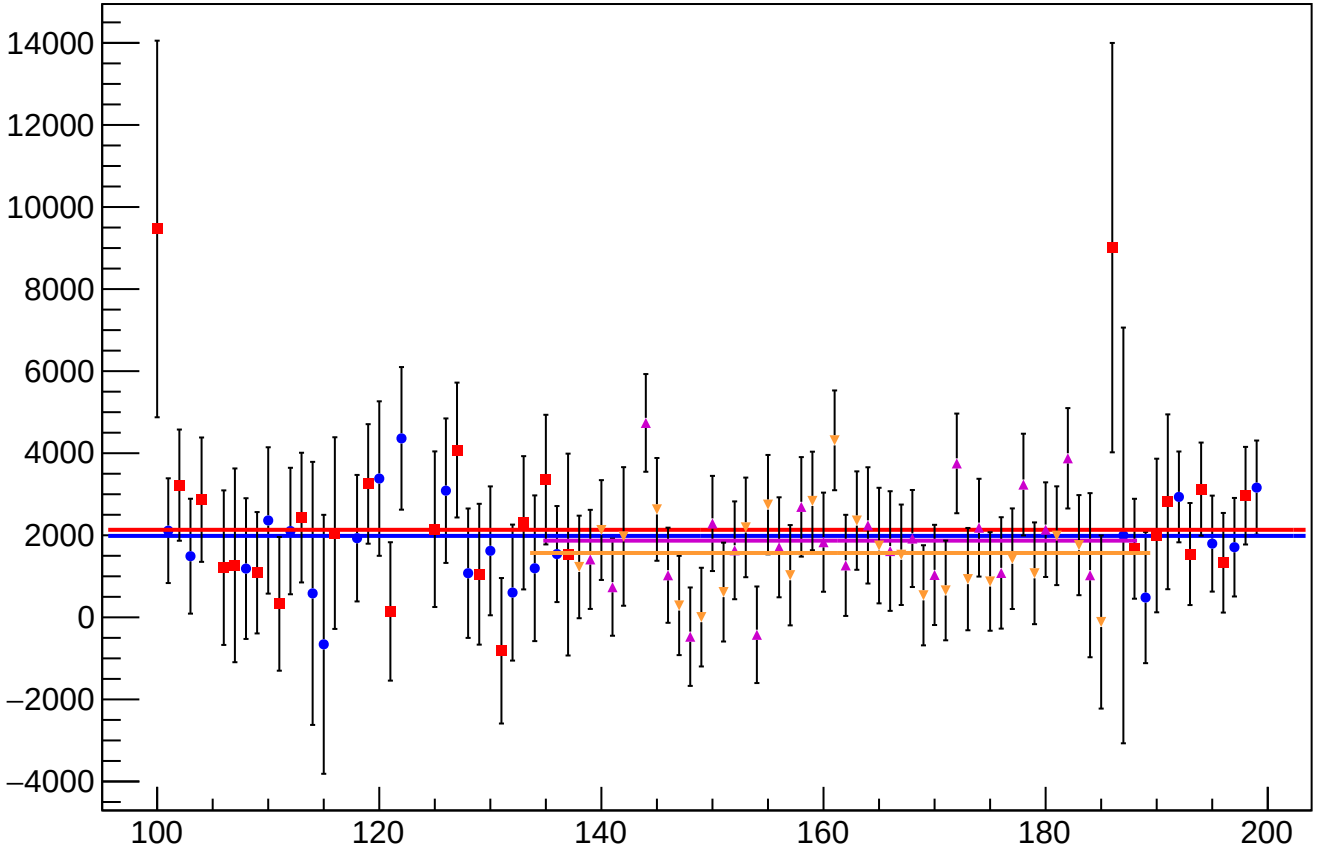
Left: 1459.887+/-0.173 χ^2/NDF: 2174470.2/46

Right: 996.194+/-0.151 χ^2/NDF: 4539920.5/47

In: 1189.539+/-0.162 χ^2/NDF:5101527.6/44

Out: 1204.002+/-0.161 χ^2/NDF:5669436.7/49

All: 1196.807+/-0.114 χ^2/NDF: 10774987.4/9



Right In: 1984.946+/-326.112 χ^2/NDF: 8.3/21

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

Right Out: 2133.305+/-316.075 χ^2/NDF: 16.9/25

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

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

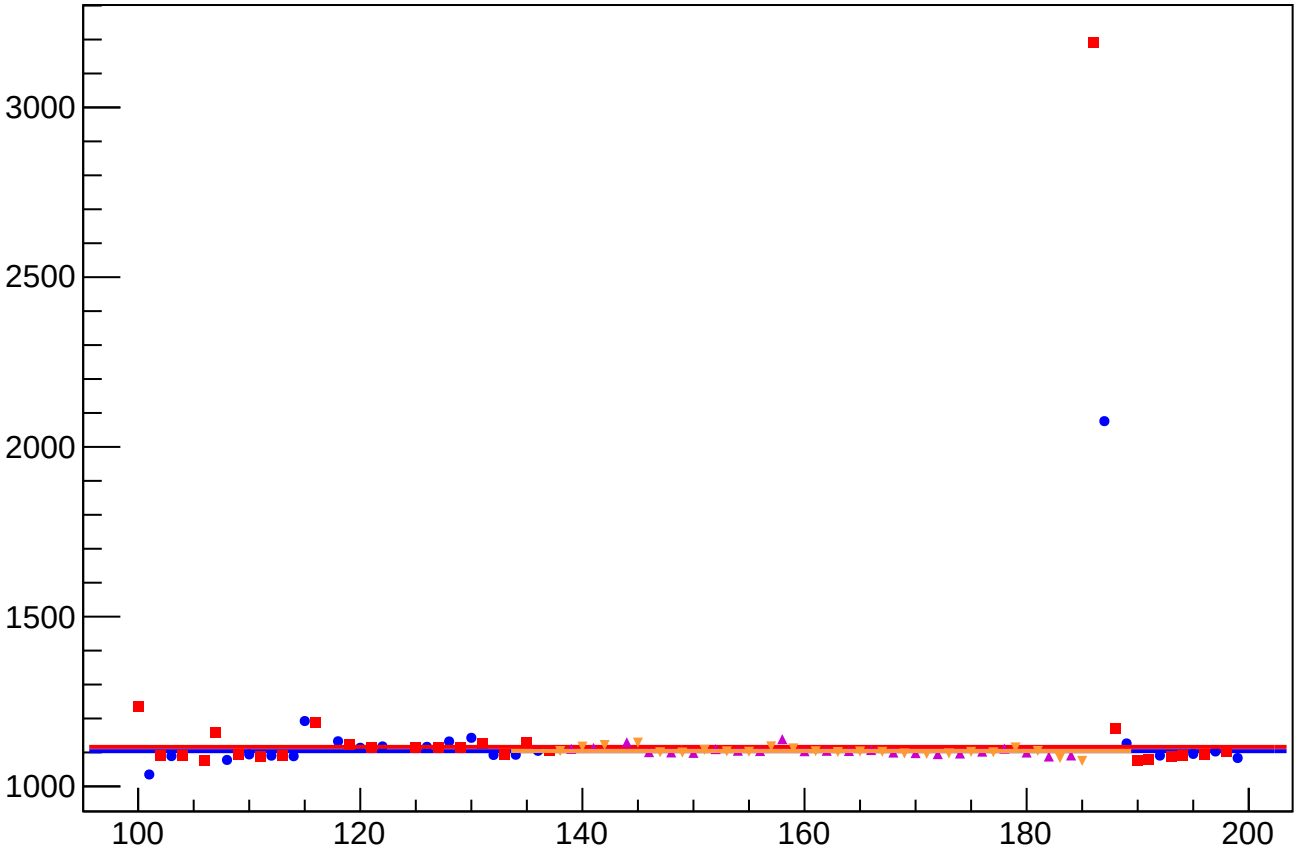
Right: 2061.443+/-226.964 χ^2/NDF: 25.2/47

In: 1913.865+/-202.384 χ^2/NDF:31.8/44

Out: 1792.721+/-199.073 χ^2/NDF:34.2/49

All: 1852.294+/-141.922 χ^2/NDF: 66.1/94

overload_cor_asym_usl_rms vs Slug, Sign Corrected



Right In: 1103.681+/-0.231 χ^2/NDF: 86431.7/21

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

Right Out: 1116.367+/-0.223 χ^2/NDF: 362275.8/25

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

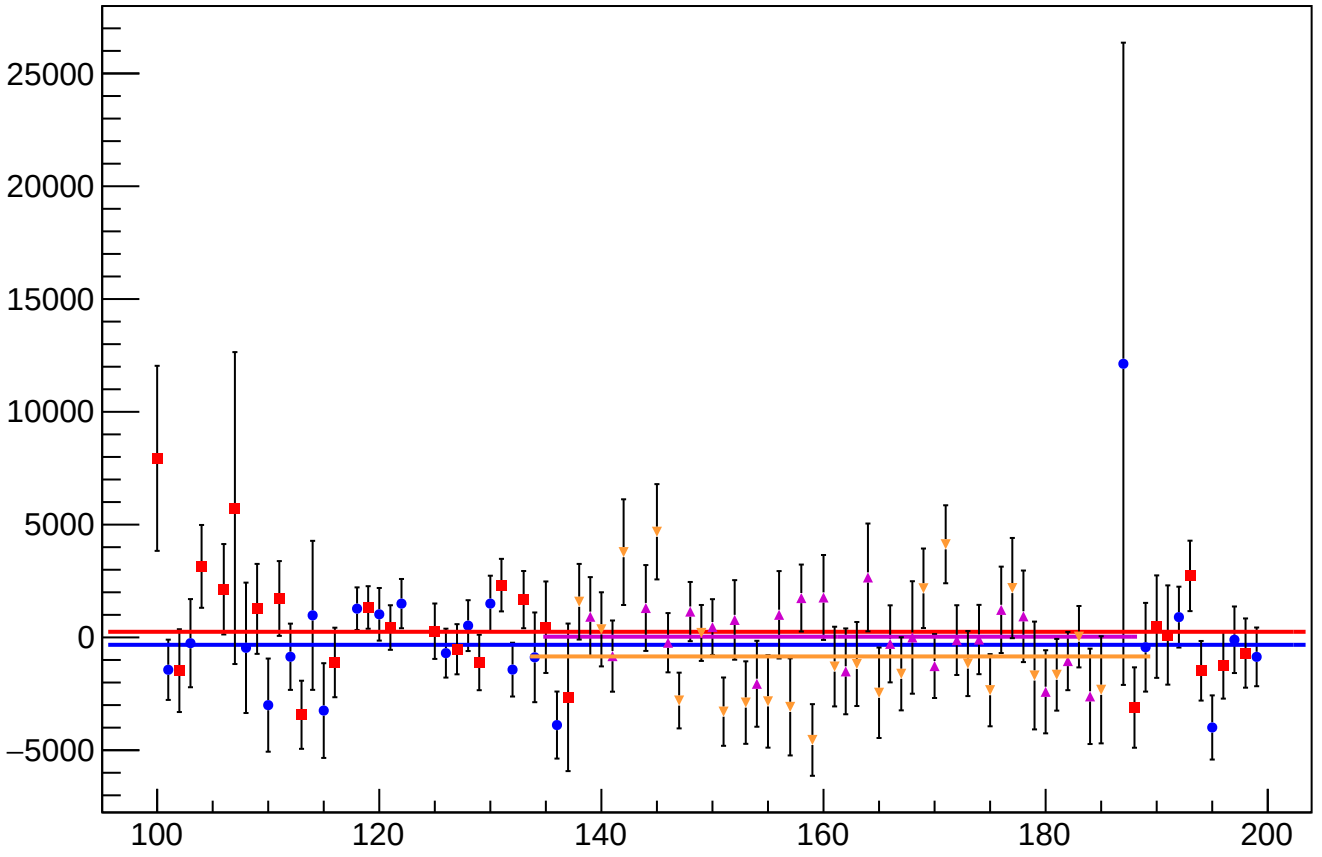
Left: 1104.815+/-0.129 χ^2/NDF: 6679.3/46

Right: 1110.222+/-0.160 χ^2/NDF: 450268.1/47

In: 1104.726+/-0.143 χ^2/NDF:90126.1/44

Out: 1109.062+/-0.141 χ^2/NDF:367046.0/49

All: 1106.929+/-0.100 χ^2/NDF: 457638.7/94



Right In: -328.292+/-305.545 χ^2/NDF: 29.5/21

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

Right Out: 249.299+/-302.211 χ^2/NDF: 33.6/24

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

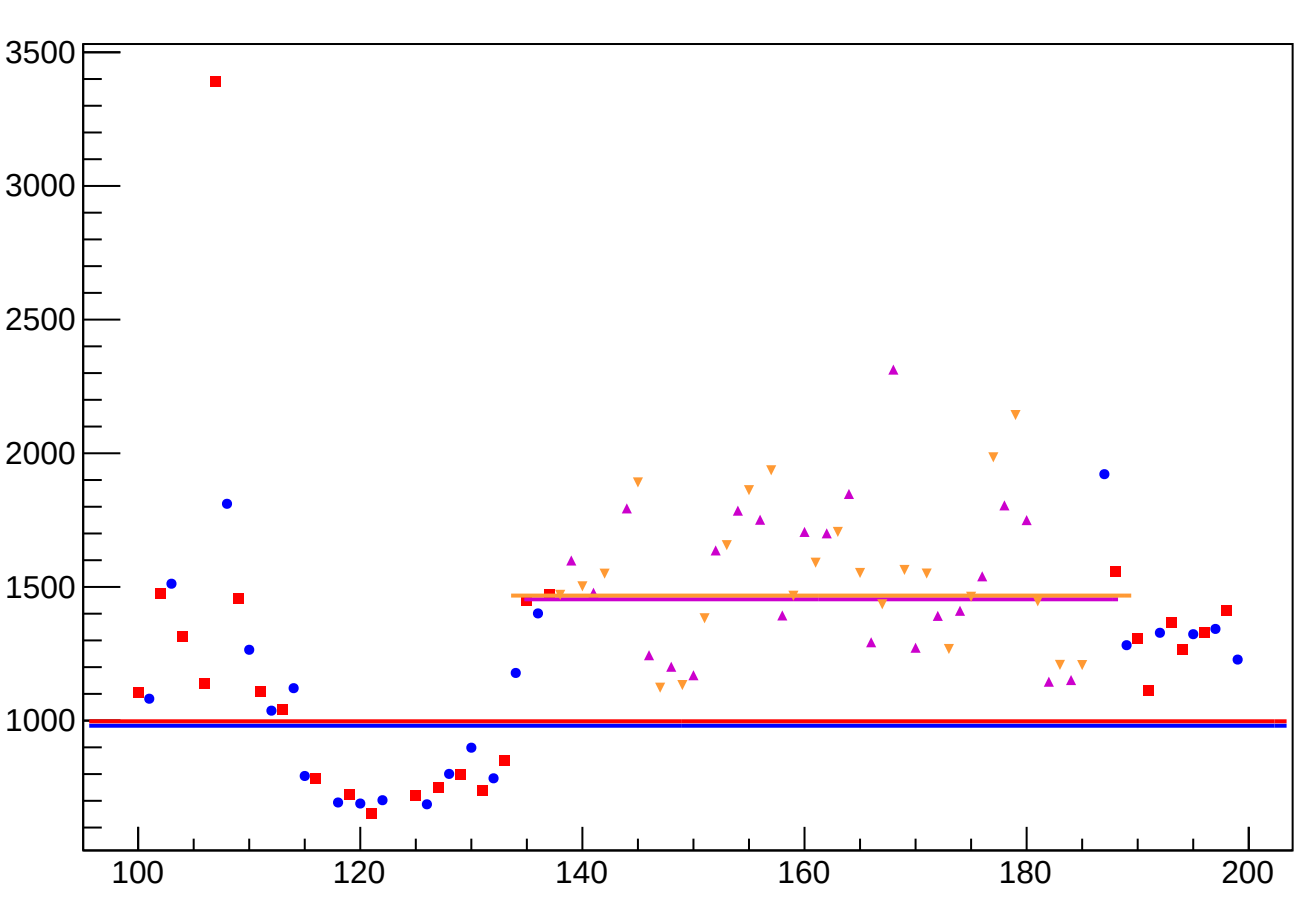
Left: -404.203+/-245.256 χ^2/NDF: 60.3/46

Right: -36.328+/-214.865 χ^2/NDF: 64.9/46

In: -170.779+/-229.072 χ^2/NDF:43.2/44

Out: -221.140+/-228.049 χ^2/NDF:83.3/48

All: -196.072+/-161.615 χ^2/NDF: 126.5/93



Right In: 980.910+/-0.216 χ^2/NDF: 1762526.7/21

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

Right Out: 997.486+/-0.214 χ^2/NDF: 2212778.0/24

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

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

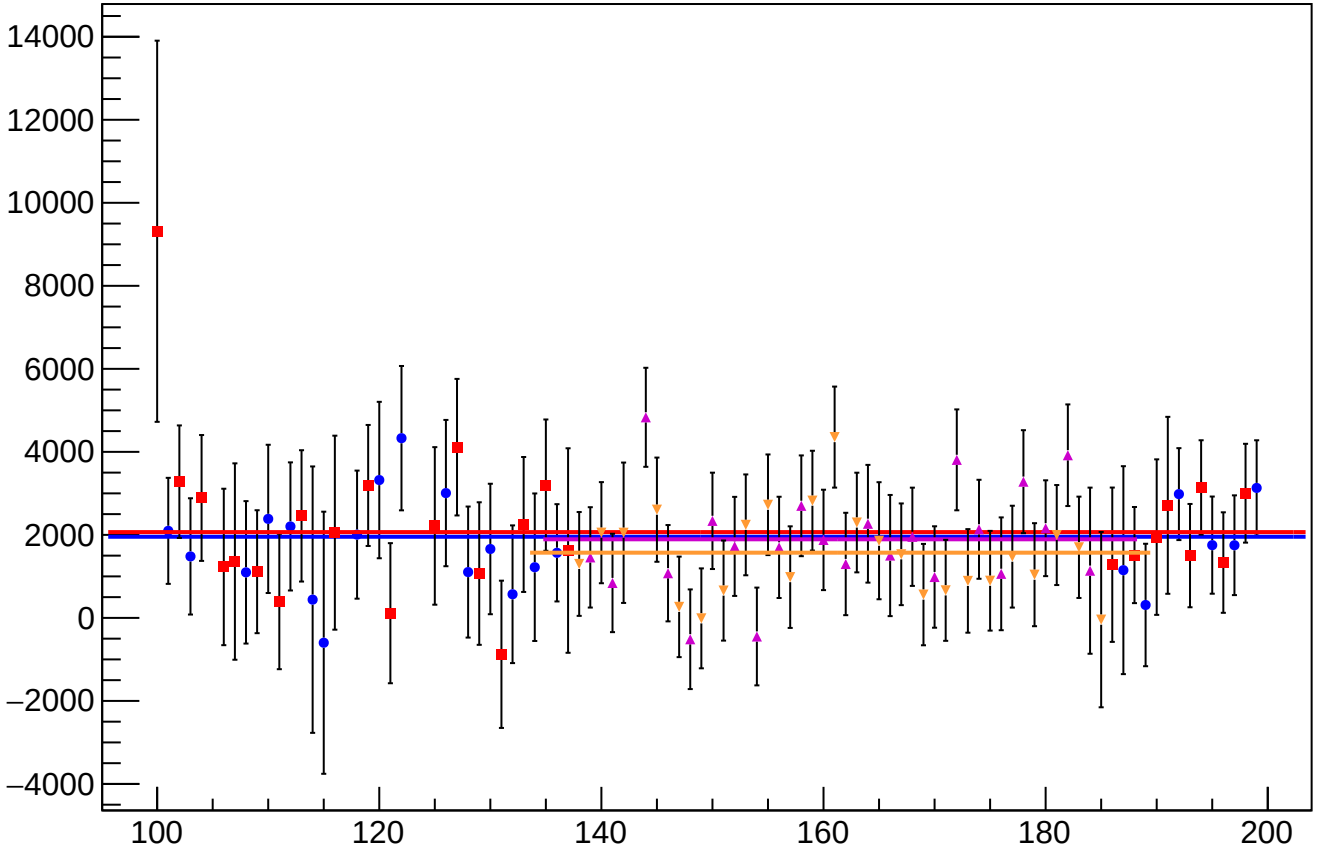
Right: 989.289+/-0.152 χ^2/NDF: 3978280.5/46

In: 1188.016+/-0.162 χ^2/NDF:4988807.7/44

Out: 1199.948+/-0.161 χ^2/NDF:5339362.3/48

All: 1194.009+/-0.114 χ^2/NDF: 10330895.5/9

eigen_cor_asym_usl_mean vs Slug, Sign Corrected



Right In: 1954.928+/-323.116 χ^2/NDF: 8.7/21

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

Right Out: 2067.045+/-311.288 χ^2/NDF: 15.1/25

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

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

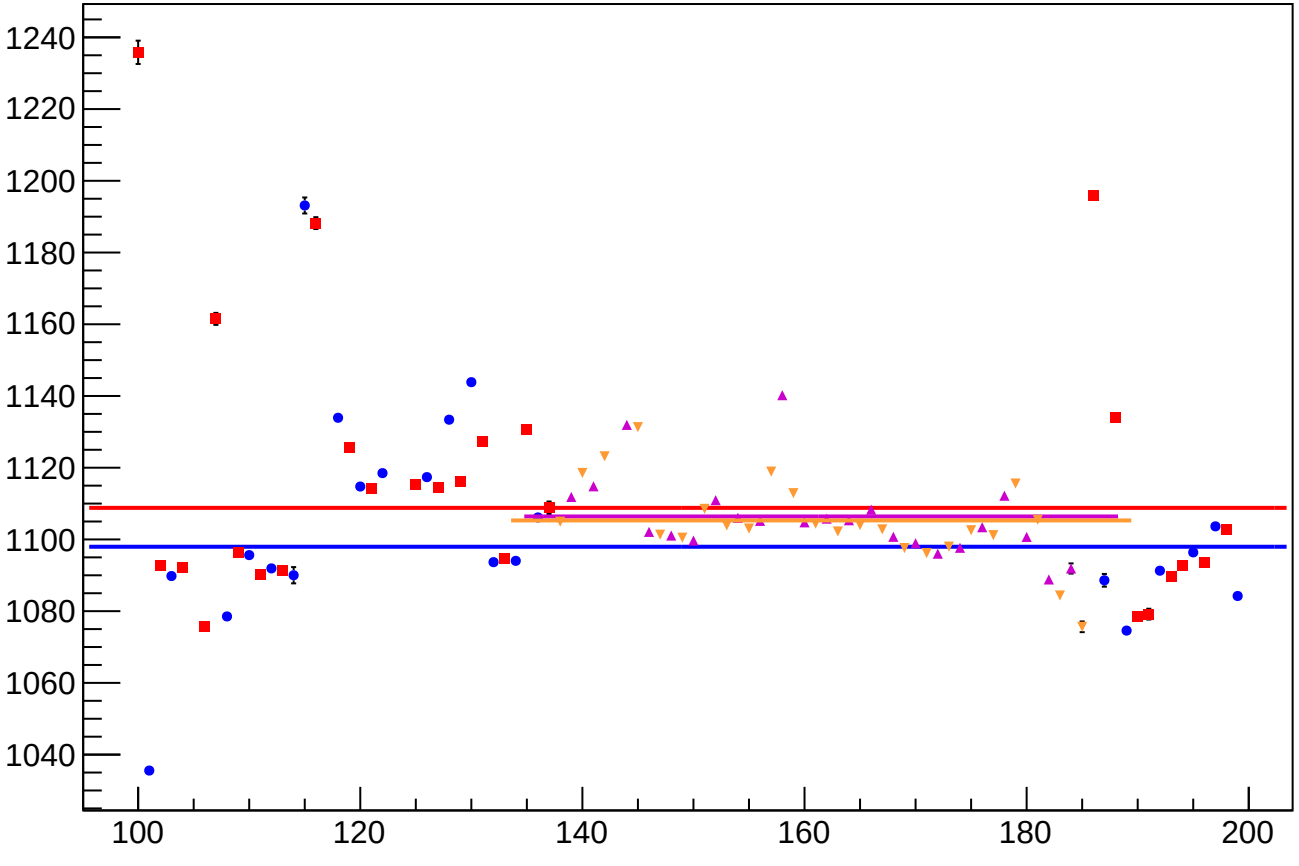
Right: 2013.076+/-224.179 χ^2/NDF: 23.9/47

In: 1917.361+/-201.776 χ^2/NDF:32.8/44

Out: 1771.665+/-197.971 χ^2/NDF:32.0/49

All: 1843.127+/-141.313 χ^2/NDF: 65.1/94

eigen_cor_asym_usl_rms vs Slug, Sign Corrected



Right In: 1097.961+/-0.228 χ^2/NDF: 12501.1/21

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

Right Out: 1108.806+/-0.220 χ^2/NDF: 15240.3/25

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

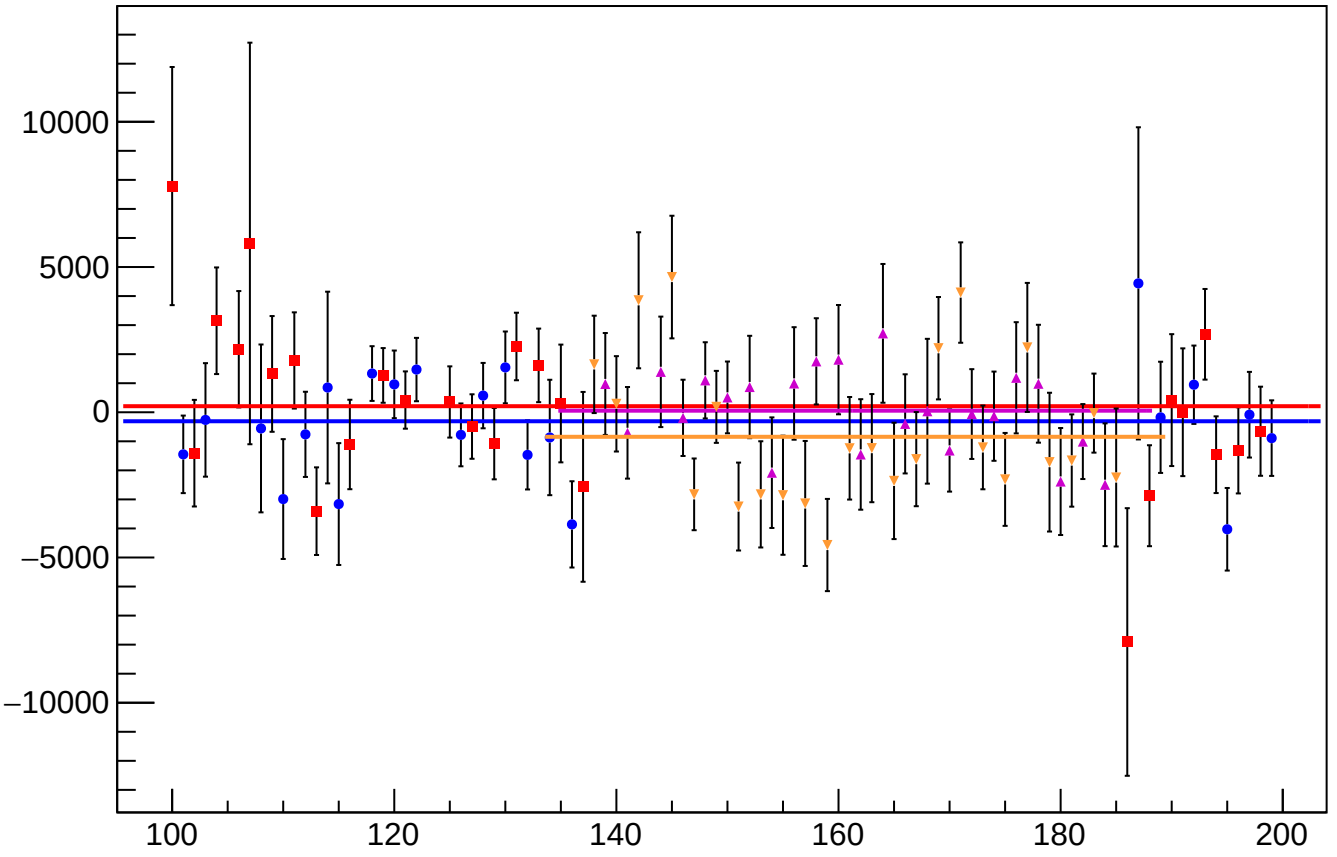
Left: 1105.846+/-0.129 χ^2/NDF: 6956.8/46

Right: 1103.586+/-0.159 χ^2/NDF: 28909.7/47

In: 1103.112+/-0.143 χ^2/NDF:17110.7/44

Out: 1106.714+/-0.140 χ^2/NDF:18553.6/49

All: 1104.948+/-0.100 χ^2/NDF: 35989.1/94



Right In: -309.490+/-304.523 χ^2/NDF: 29.9/21

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

Right Out: 208.805+/-300.932 χ^2/NDF: 35.7/25

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

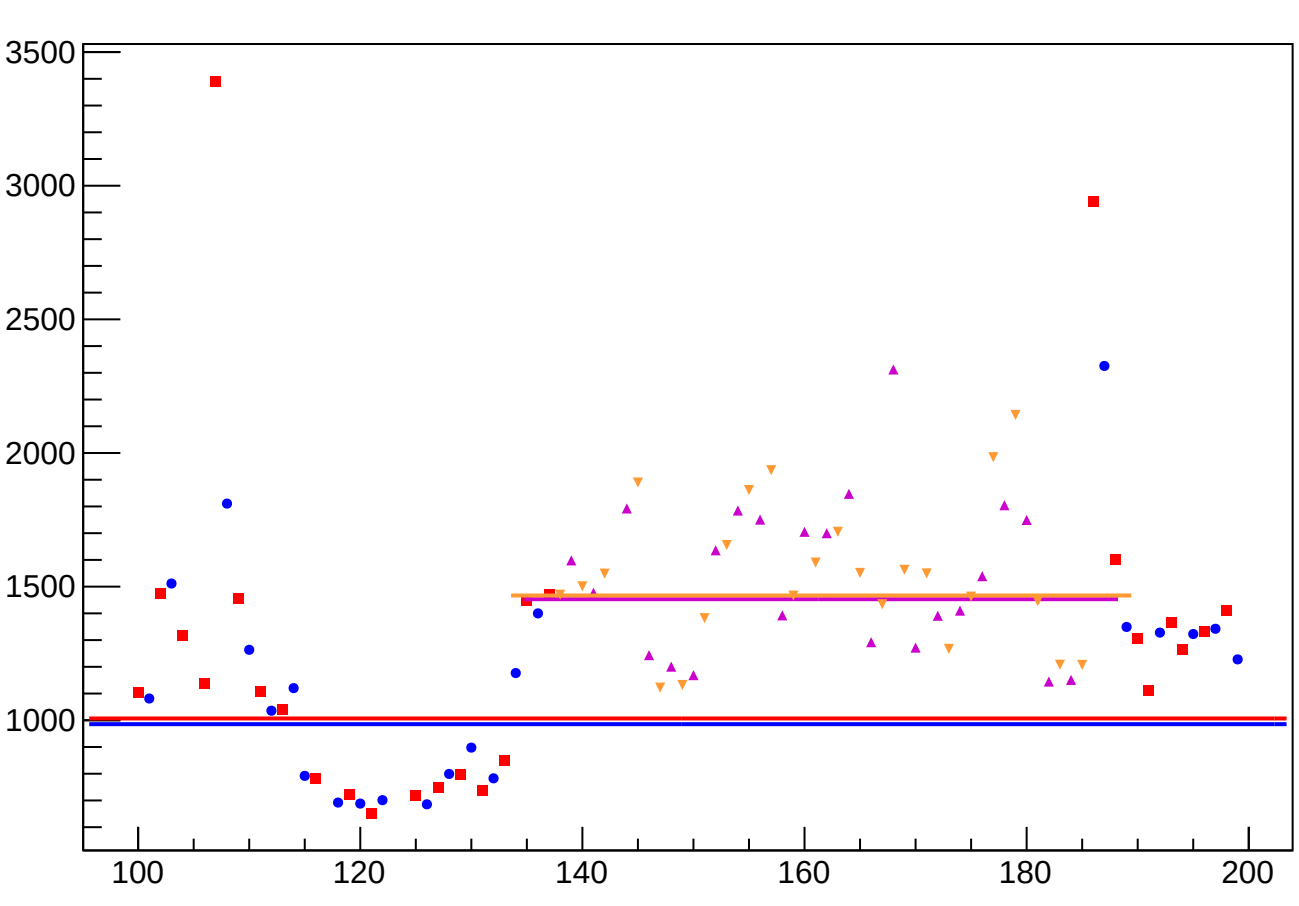
Left: -393.356+/-245.120 χ^2/NDF: 60.6/46

Right: -47.268+/-214.050 χ^2/NDF: 67.1/47

In: -150.656+/-228.585 χ^2/NDF:43.6/44

Out: -242.883+/-227.444 χ^2/NDF:85.1/49

All: -197.000+/-161.229 χ^2/NDF: 128.8/94



Right In: 985.426+/-0.215 χ^2/NDF: 1913726.6/21

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

Right Out: 1006.710+/-0.213 χ^2/NDF: 2621251.0/25

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

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

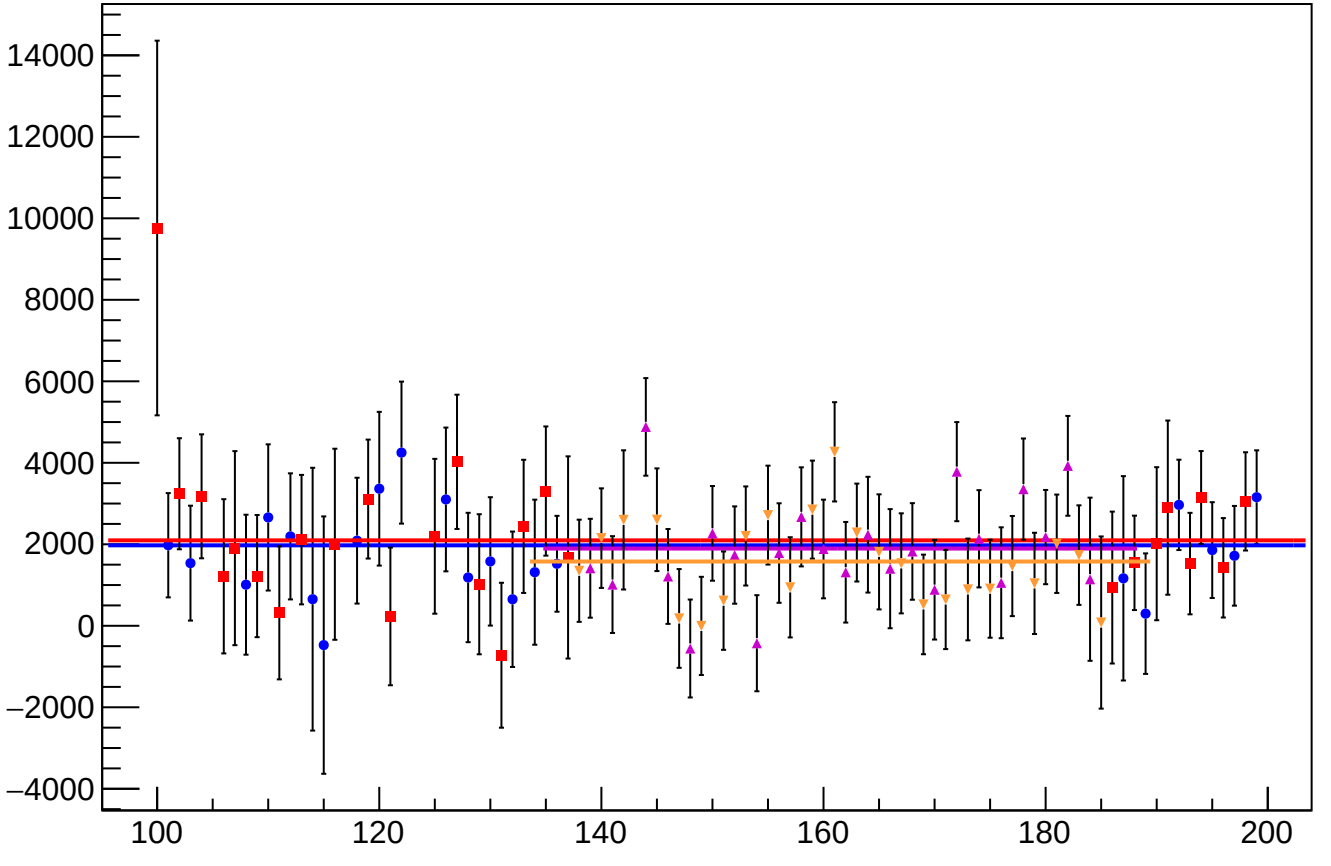
Right: 996.194+/-0.151 χ^2/NDF: 4539920.5/47

In: 1189.539+/-0.162 χ^2/NDF:5101527.6/44

Out: 1204.002+/-0.161 χ^2/NDF:5669436.7/49

All: 1196.807+/-0.114 χ^2/NDF: 10774987.4/9

dit_asym_usl_mean vs Slug, Sign Corrected



Right In: 1974.236+/-324.368 χ^2/NDF: 8.5/21

Left Out: 1577.402+/-257.003 χ^2/NDF:15.5/23

Right Out: 2096.532+/-312.553 χ^2/NDF: 15.1/25

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

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

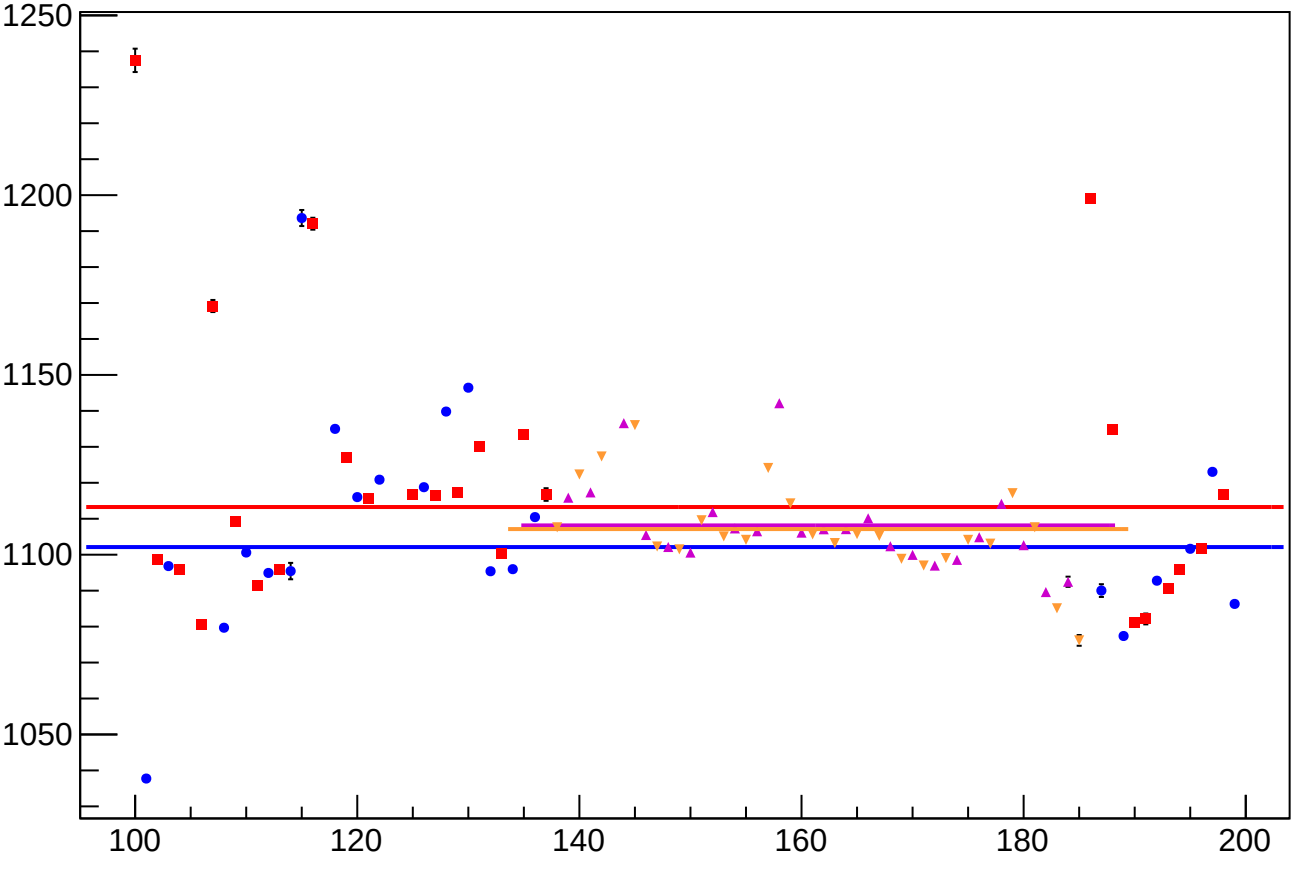
Right: 2037.652+/-225.069 χ^2/NDF: 23.7/47

In: 1926.148+/-202.276 χ^2/NDF:32.7/44

Out: 1786.813+/-198.511 χ^2/NDF:32.3/49

All: 1855.171+/-141.681 χ^2/NDF: 65.2/94

dit_asym_usl_rms vs Slug, Sign Corrected



Right In: 1102.123+/-0.229 χ^2/NDF: 13165.8/21

Left Out: 1107.127+/-0.182 χ^2/NDF:3783.7/23

Right Out: 1113.260+/-0.221 χ^2/NDF: 14609.9/25

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

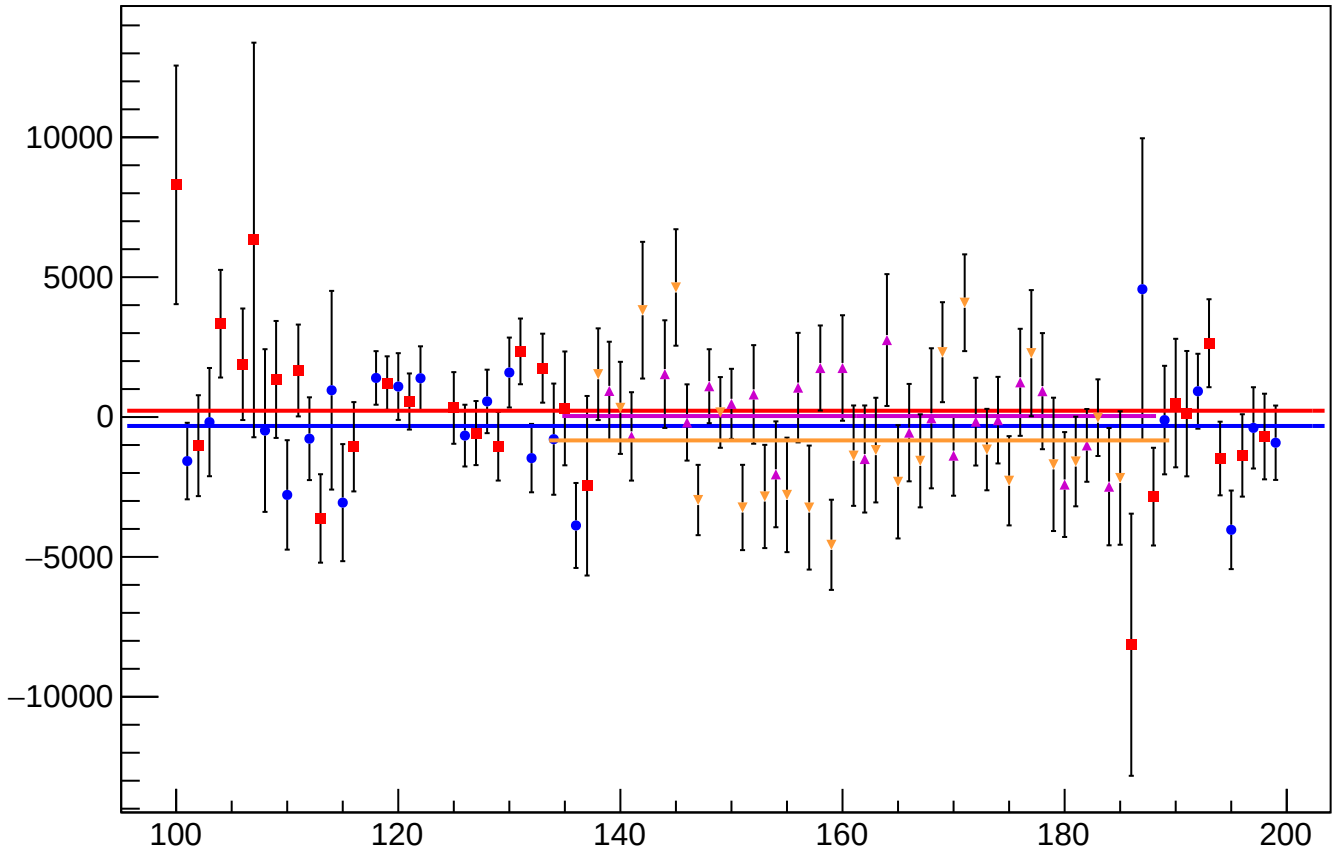
Left: 1107.633+/-0.129 χ^2/NDF: 7989.9/46

Right: 1107.898+/-0.159 χ^2/NDF: 28998.4/47

In: 1105.803+/-0.143 χ^2/NDF:17777.7/44

Out: 1109.601+/-0.140 χ^2/NDF:18853.2/49

All: 1107.738+/-0.100 χ^2/NDF: 36990.0/94



Right In: -319.085+/-308.505 χ^2/NDF: 29.6/21

Left Out: -835.288+/-350.615 χ^2/NDF:43.6/23

Right Out: 225.551+/-304.625 χ^2/NDF: 35.9/25

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

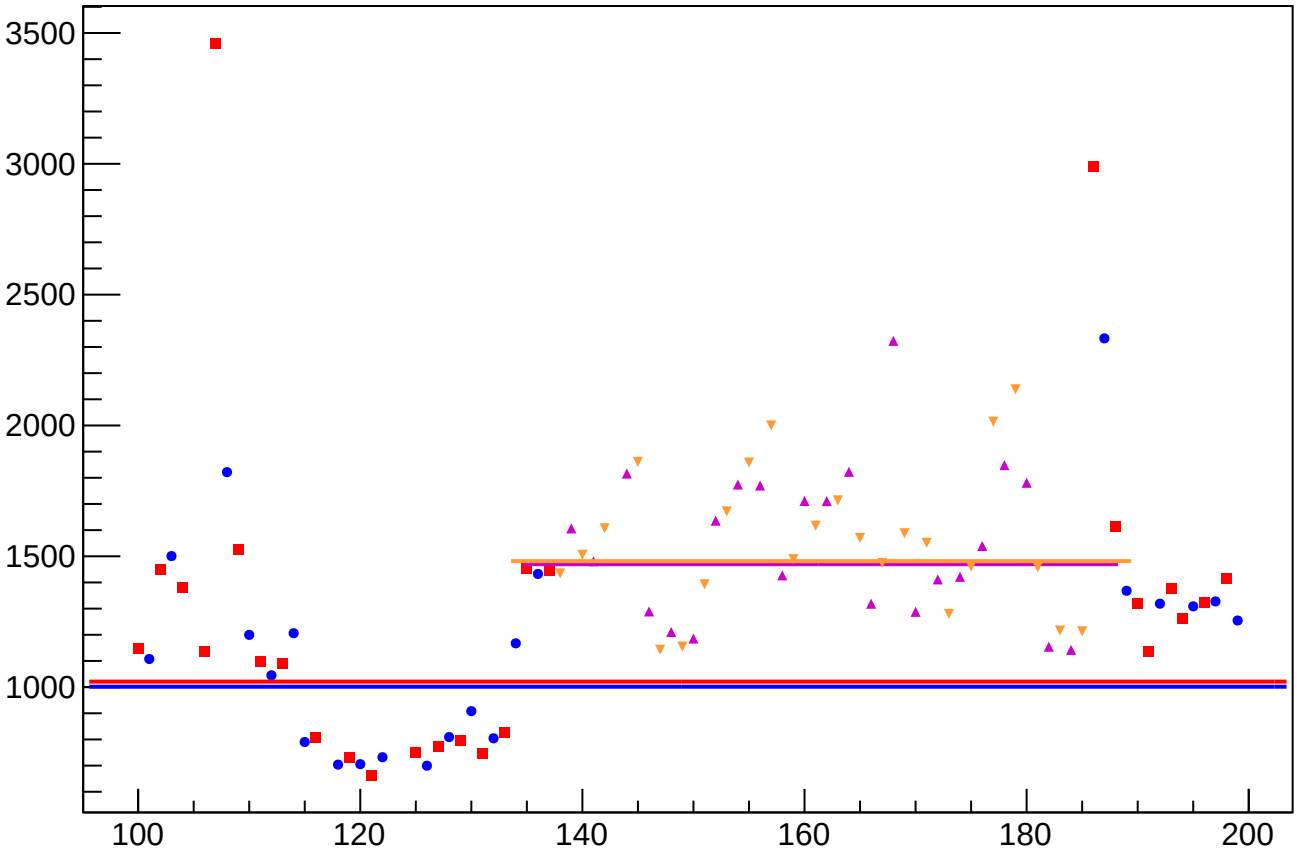
Left: -398.668+/-247.575 χ^2/NDF: 59.8/46

Right: -43.321+/-216.761 χ^2/NDF: 67.0/47

In: -163.859+/-231.328 χ^2/NDF:43.3/44

Out: -230.775+/-229.955 χ^2/NDF:84.6/49

All: -197.516+/-163.086 χ^2/NDF: 128.0/94



Right In: 1001.515+/-0.218 χ^2/NDF: 1801581.4/21

Left Out: 1481.543+/-0.248 χ^2/NDF:1017463.8/23

Right Out: 1020.949+/-0.215 χ^2/NDF: 2572276.2/25

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

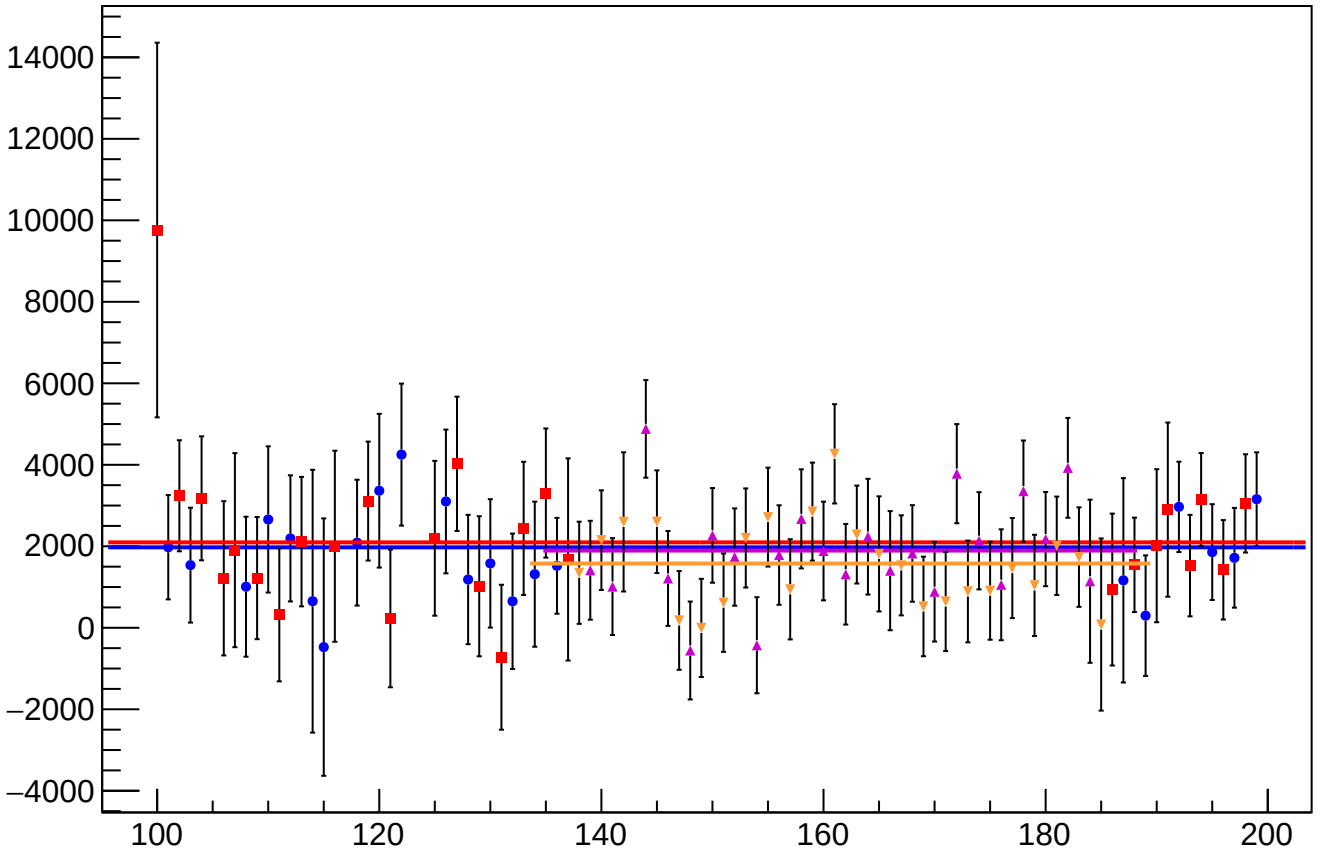
Left: 1475.709+/-0.175 χ^2/NDF: 2113624.9/46

Right: 1011.355+/-0.153 χ^2/NDF: 4377876.4/47

In: 1206.553+/-0.164 χ^2/NDF:4914763.7/44

Out: 1219.077+/-0.163 χ^2/NDF:5556545.0/49

All: 1212.852+/-0.115 χ^2/NDF: 10474257.4/9



Right In: 1974.235+/-324.368 χ^2/NDF: 8.5/21

Left Out: 1577.399+/-257.003 χ^2/NDF:15.5/23

Right Out: 2096.530+/-312.553 χ^2/NDF: 15.1/25

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

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

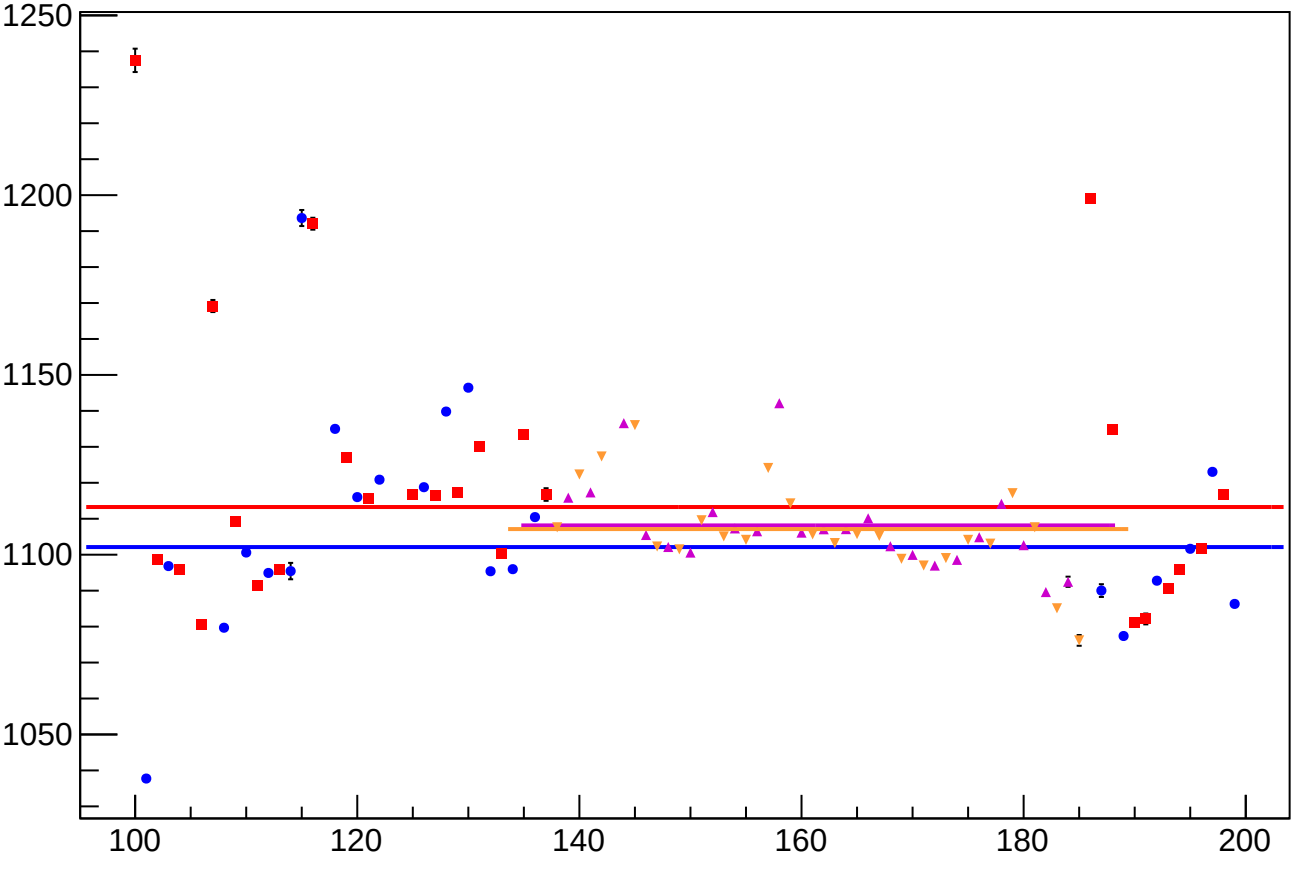
Right: 2037.651+/-225.069 χ^2/NDF: 23.7/47

In: 1926.148+/-202.276 χ^2/NDF:32.7/44

Out: 1786.810+/-198.511 χ^2/NDF:32.3/49

All: 1855.170+/-141.681 χ^2/NDF: 65.2/94

eigen_dit_asym_usl_rms vs Slug, Sign Corrected



Right In: 1102.123+/-0.229 χ^2/NDF: 13165.9/21

Left Out: 1107.127+/-0.182 χ^2/NDF:3783.7/23

Right Out: 1113.260+/-0.221 χ^2/NDF: 14609.9/25

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

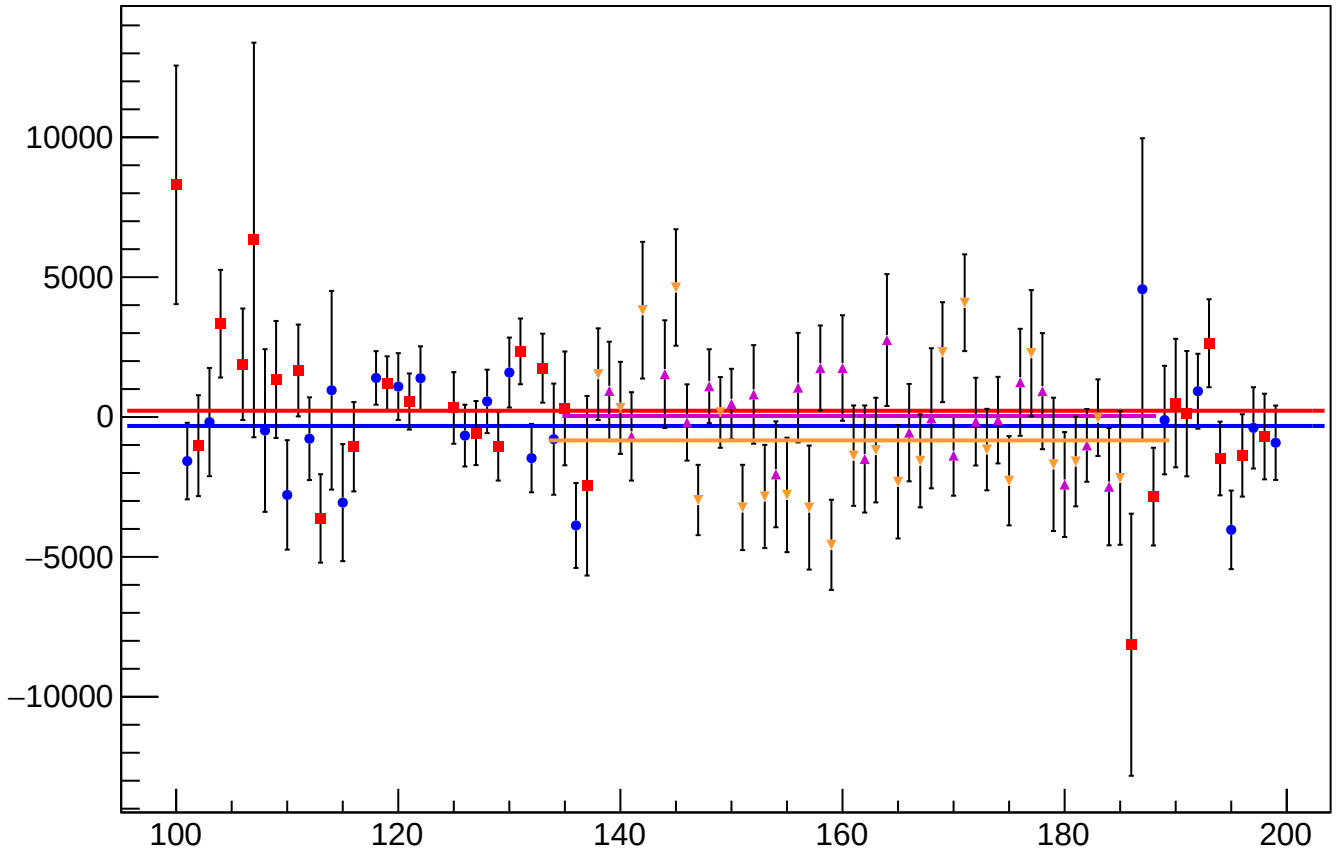
Left: 1107.633+/-0.129 χ^2/NDF: 7989.9/46

Right: 1107.898+/-0.159 χ^2/NDF: 28998.4/47

In: 1105.803+/-0.143 χ^2/NDF:17777.7/44

Out: 1109.601+/-0.140 χ^2/NDF:18853.1/49

All: 1107.738+/-0.100 χ^2/NDF: 36989.9/94



Right In: -319.083+/-308.505 χ^2/NDF: 29.6/21

Left Out: -835.291+/-350.615 χ^2/NDF:43.6/23

Right Out: 225.551+/-304.625 χ^2/NDF: 35.9/25

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

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

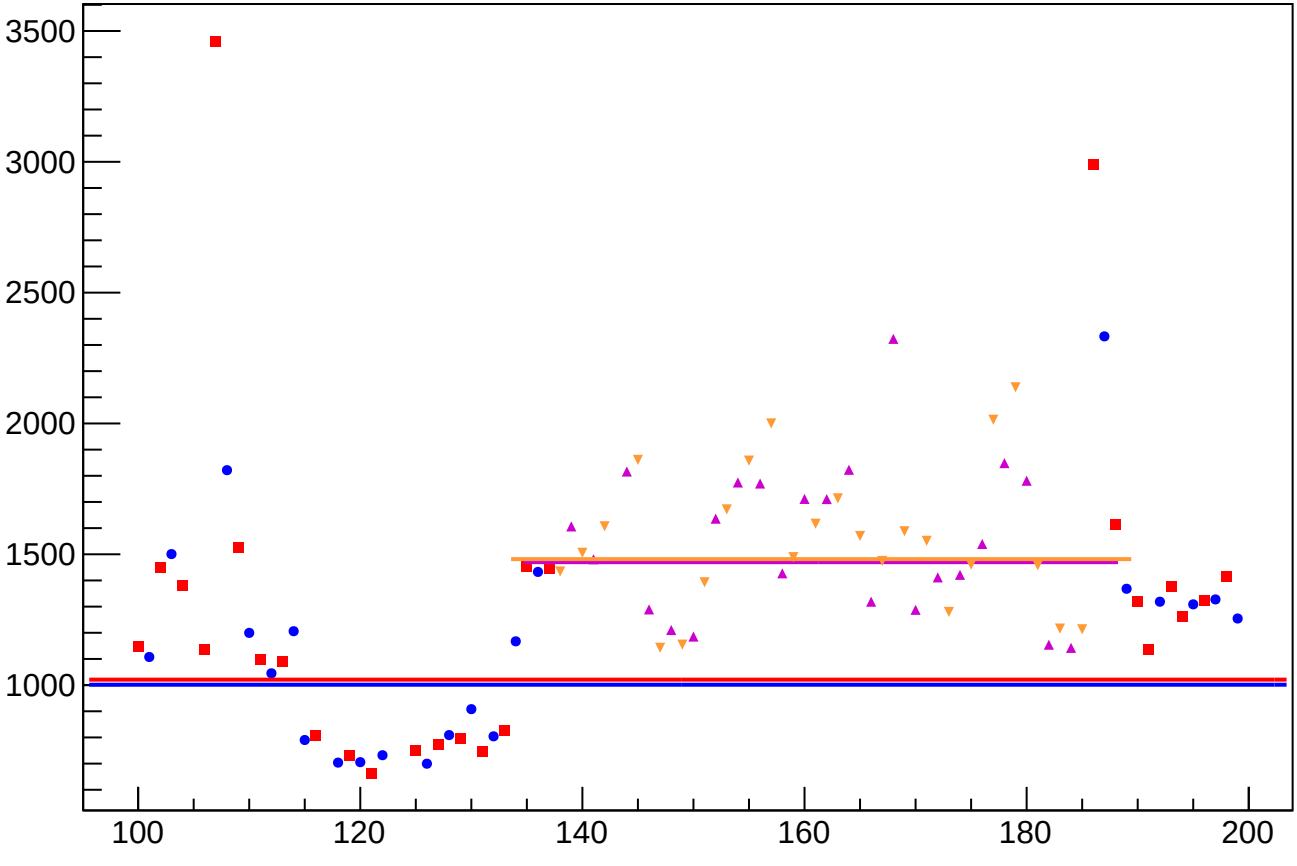
Right: -43.319+/-216.761 χ^2/NDF: 67.0/47

In: -163.858+/-231.328 χ^2/NDF:43.3/44

Out: -230.775+/-229.955 χ^2/NDF:84.6/49

All: -197.516+/-163.086 χ^2/NDF: 128.0/94

asym_usl_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1001.513+/-0.218 χ^2/NDF: 1801592.8/21

Left Out: 1481.545+/-0.248 χ^2/NDF:1017460.8/23

Right Out: 1020.947+/-0.215 χ^2/NDF: 2572288.8/25

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

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

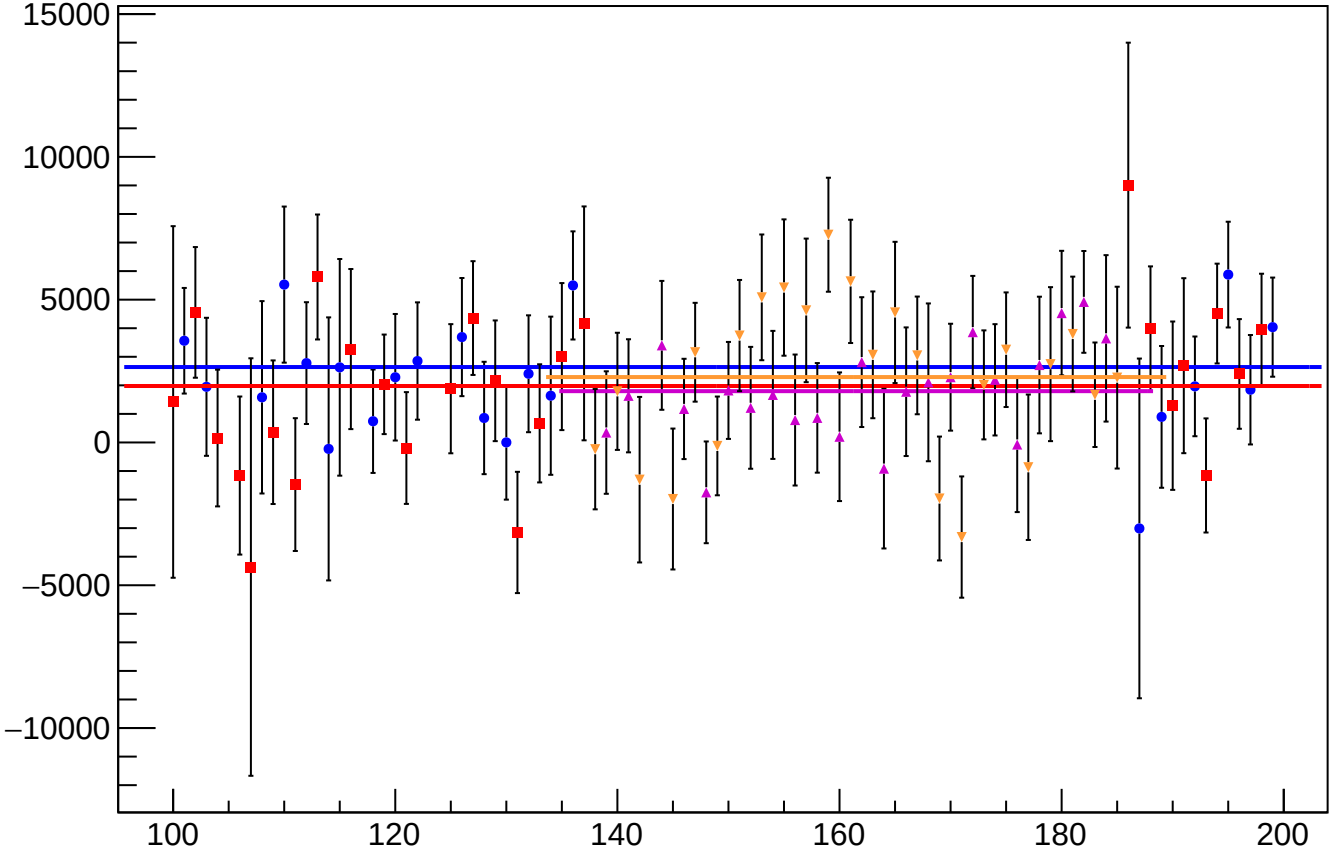
Right: 1011.353+/-0.153 χ^2/NDF: 4377900.3/47

In: 1206.552+/-0.164 χ^2/NDF:4914800.4/44

Out: 1219.076+/-0.163 χ^2/NDF:5556584.6/49

All: 1212.851+/-0.115 χ^2/NDF: 10474333.6/9

asym_usl_mean vs Slug, Sign Corrected



Right In: 2640.804+/-467.685 χ^2/NDF: 13.7/21

Left Out: 2289.701+/-439.328 χ^2/NDF:36.0/23

Right Out: 1976.673+/-459.662 χ^2/NDF: 27.7/25

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

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

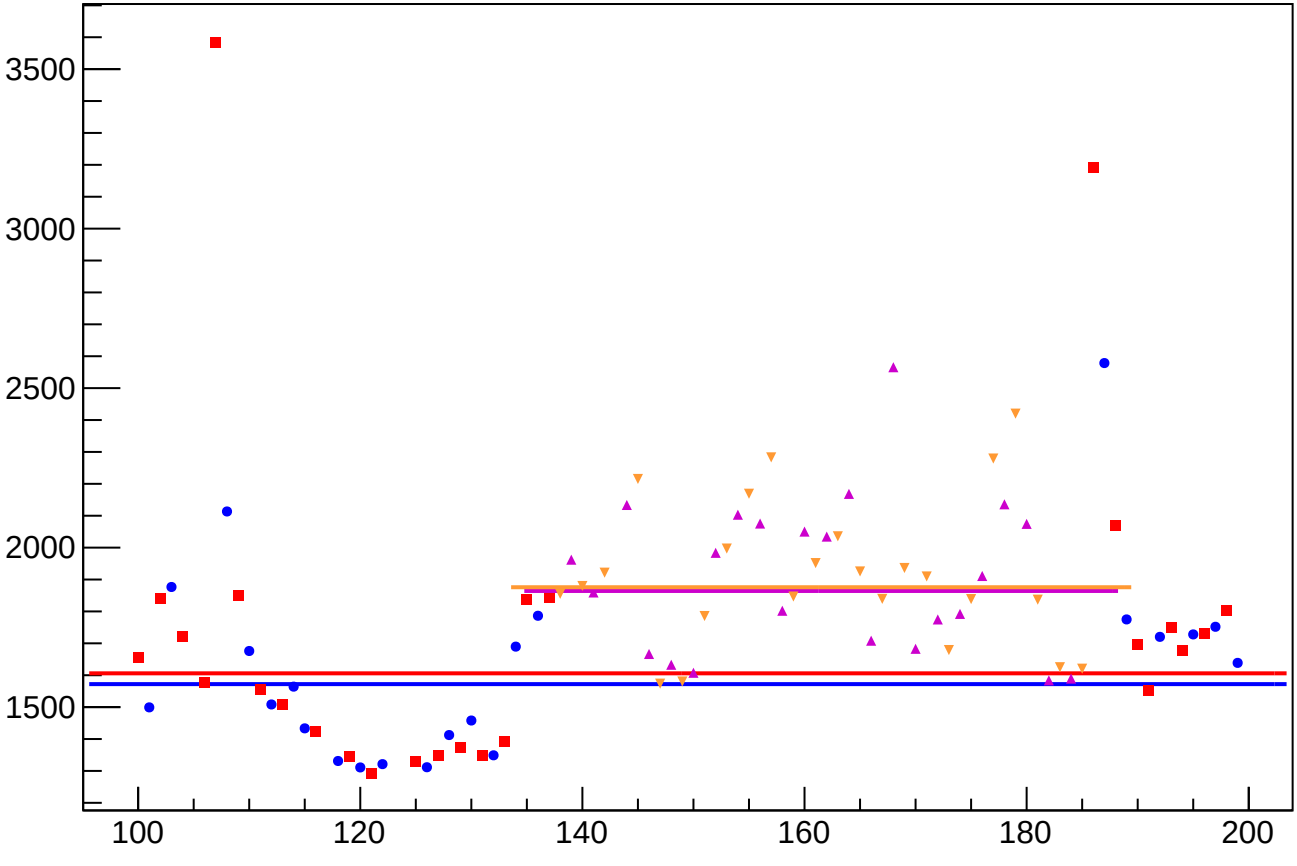
Right: 2302.993+/-327.830 χ^2/NDF: 42.5/47

In: 2192.002+/-320.136 χ^2/NDF:29.7/44

Out: 2140.263+/-317.597 χ^2/NDF:64.0/49

All: 2165.926+/-225.467 χ^2/NDF: 93.7/94

asym_usl_rms vs Slug, Sign Corrected



Right In: 1572.120+/-0.331 χ^2/NDF: 411032.4/21

Left Out: 1875.818+/-0.311 χ^2/NDF:472556.0/23

Right Out: 1605.942+/-0.325 χ^2/NDF: 800386.1/25

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

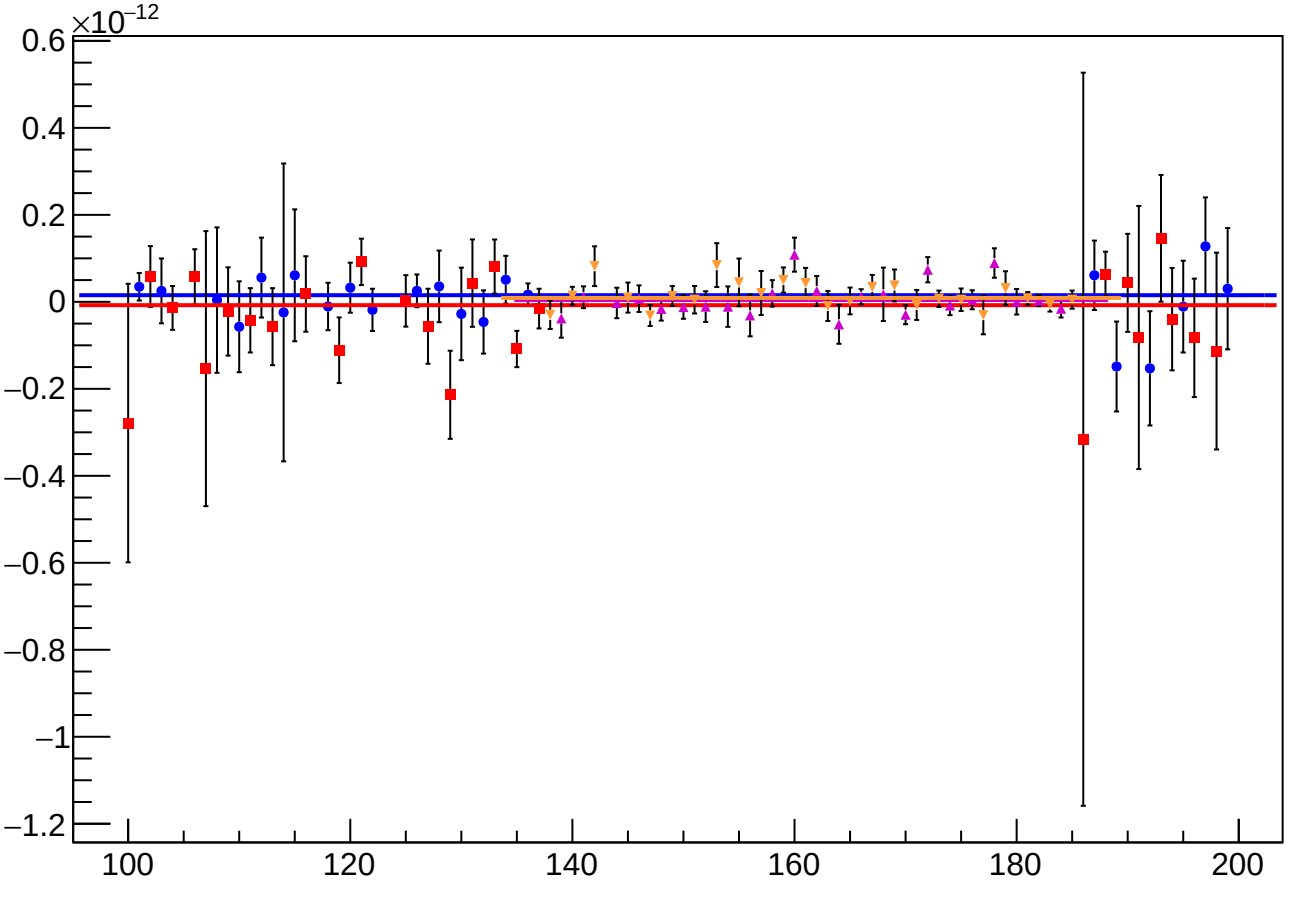
Left: 1869.988+/-0.220 χ^2/NDF: 983860.8/46

Right: 1589.323+/-0.232 χ^2/NDF: 1216738.8/47

In: 1727.324+/-0.226 χ^2/NDF:1336082.9/44

Out: 1746.981+/-0.225 χ^2/NDF:1633237.6/49

All: 1737.231+/-0.159 χ^2/NDF: 2973120.8/94



Right In: 0.000+/-0.000 χ^2/NDF: 9.0/21

Left Out: 0.000+/-0.000 χ^2/NDF:16.6/23

Right Out: -0.000+/-0.000 χ^2/NDF: 25.5/25

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

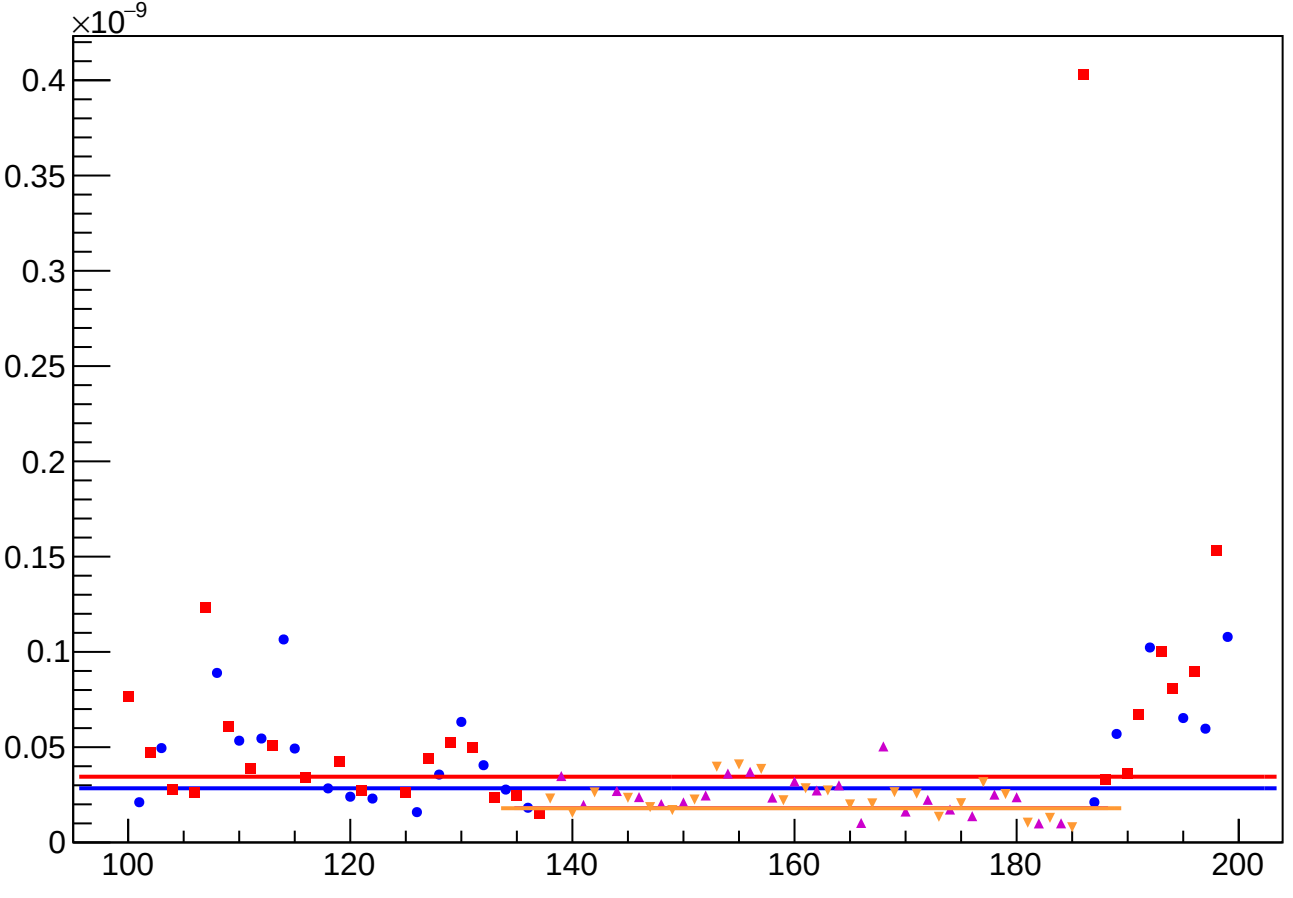
Left: 0.000+/-0.000 χ^2/NDF: 45.1/46

Right: 0.000+/-0.000 χ^2/NDF: 35.8/47

In: 0.000+/-0.000 χ^2/NDF:37.7/44

Out: 0.000+/-0.000 χ^2/NDF:43.2/49

All: 0.000+/-0.000 χ^2/NDF: 80.9/94



Right In: 0.000+/-0.000 χ^2/NDF: 3646823.4/21

Left Out: 0.000+/-0.000 χ^2/NDF:3491055.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 3306014.1/25

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

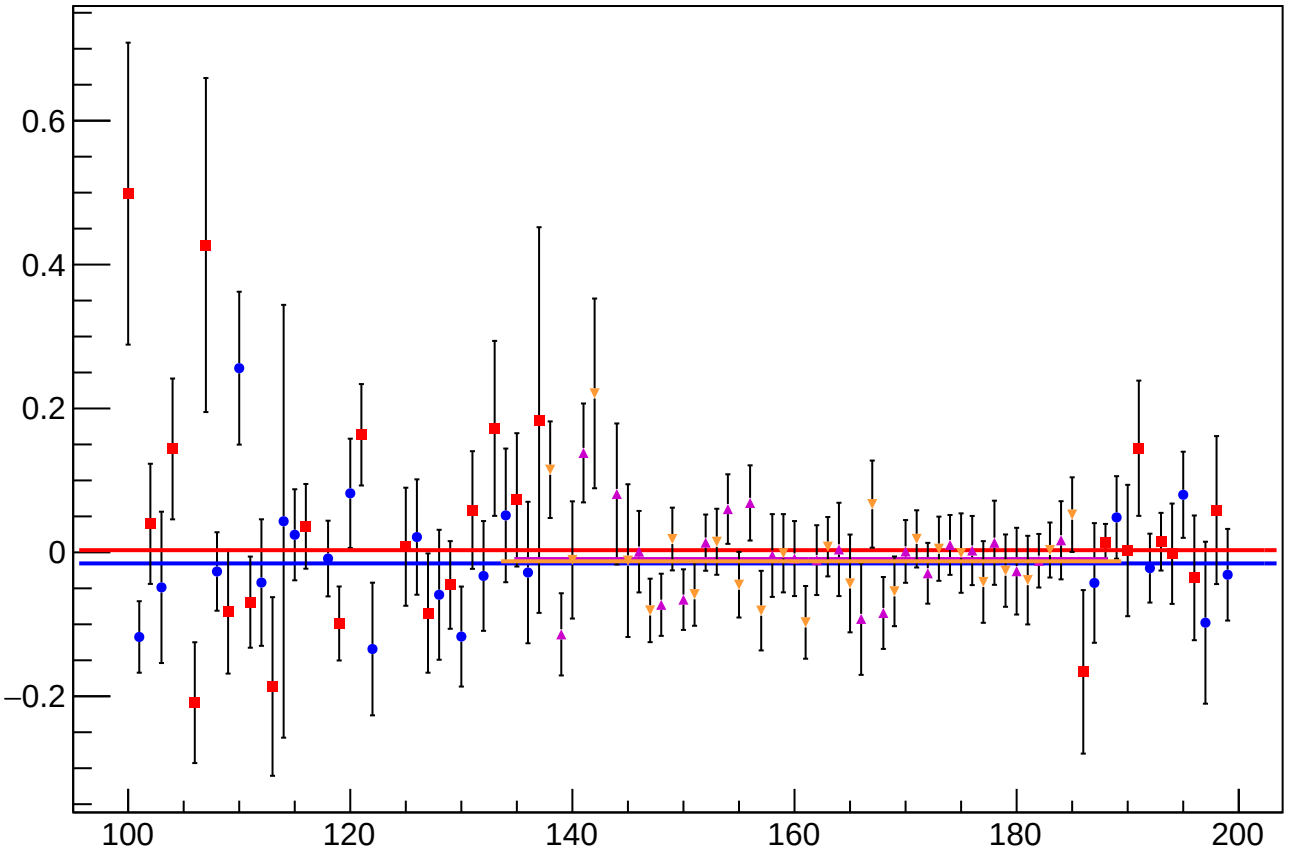
Left: 0.000+/-0.000 χ^2/NDF: 7671624.5/46

Right: 0.000+/-0.000 χ^2/NDF: 7142893.0/47

In: 0.000+/-0.000 χ^2/NDF:8917553.6/44

Out: 0.000+/-0.000 χ^2/NDF:8976720.9/49

All: 0.000+/-0.000 χ^2/NDF: 17897018.5/94



Right In: -0.015+/-0.015 χ^2/NDF: 22.4/21

Left Out: -0.012+/-0.010 χ^2/NDF:21.9/23

Right Out: 0.003+/-0.014 χ^2/NDF: 42.0/25

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

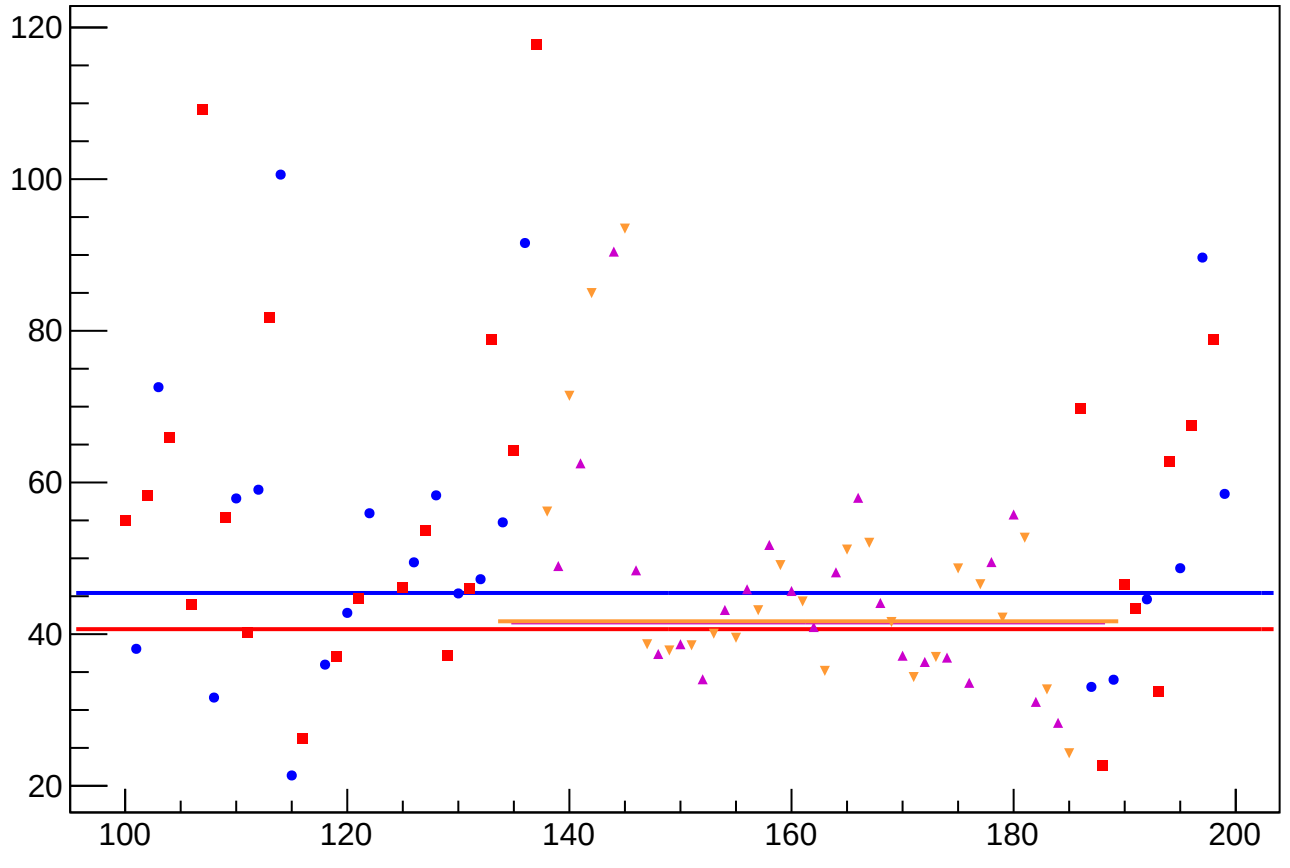
Left: -0.011+/-0.007 χ^2/NDF: 43.9/46

Right: -0.005+/-0.010 χ^2/NDF: 65.2/47

In: -0.011+/-0.009 χ^2/NDF:44.4/44

Out: -0.007+/-0.008 χ^2/NDF:64.7/49

All: -0.009+/-0.006 χ^2/NDF: 109.3/94



Right In: 45.431+/-0.011 χ^2/NDF: 1860787.9/21

Left Out: 41.694+/-0.007 χ^2/NDF:1821790.0/23

Right Out: 40.658+/-0.010 χ^2/NDF: 3213171.4/25

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

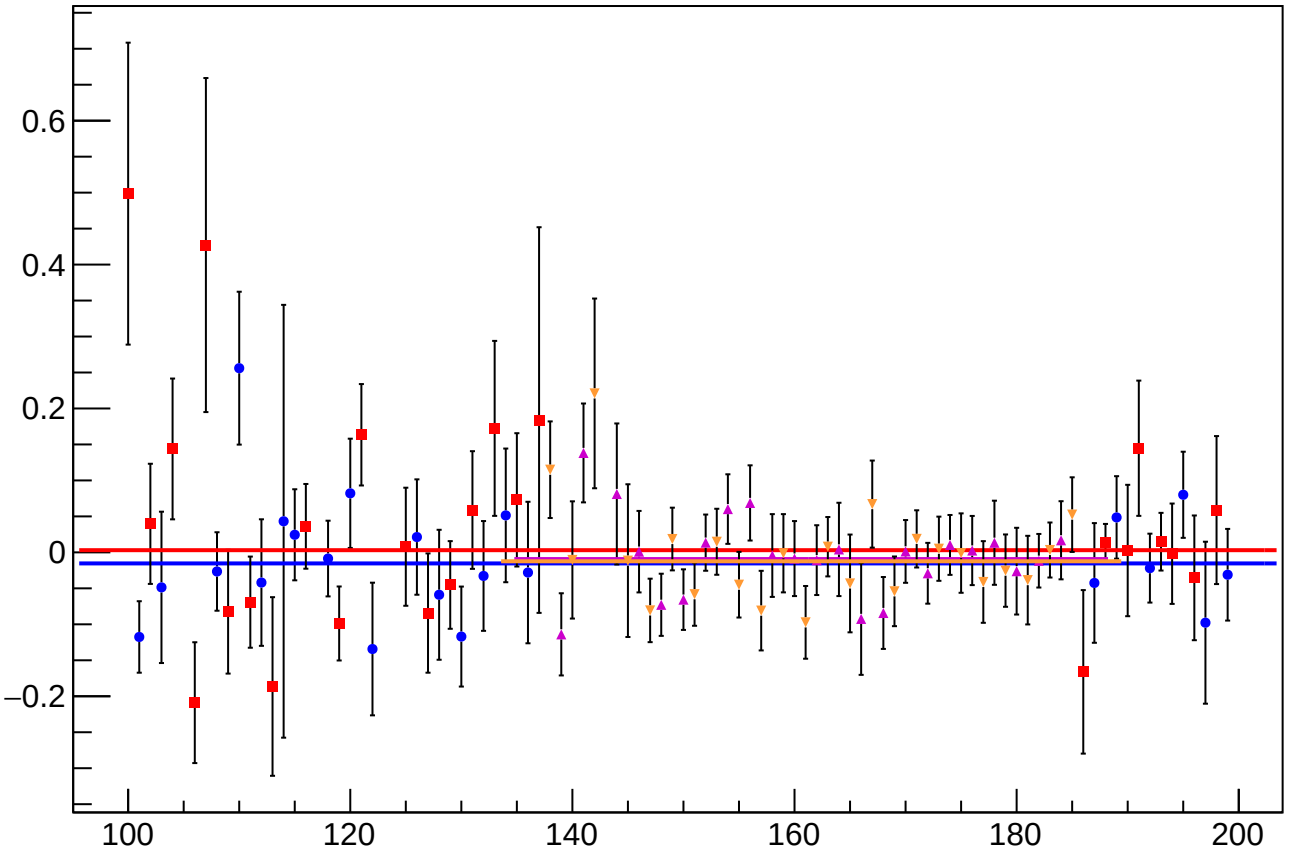
Left: 41.622+/-0.005 χ^2/NDF: 3434958.6/46

Right: 42.767+/-0.007 χ^2/NDF: 5184064.4/47

In: 42.801+/-0.006 χ^2/NDF:3562151.1/44

Out: 41.305+/-0.006 χ^2/NDF:5042293.0/49

All: 42.023+/-0.004 χ^2/NDF: 8635704.2/94



Right In: -0.015+/-0.015 χ^2/NDF: 22.4/21

Left Out: -0.012+/-0.010 χ^2/NDF:21.9/23

Right Out: 0.003+/-0.014 χ^2/NDF: 42.0/25

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

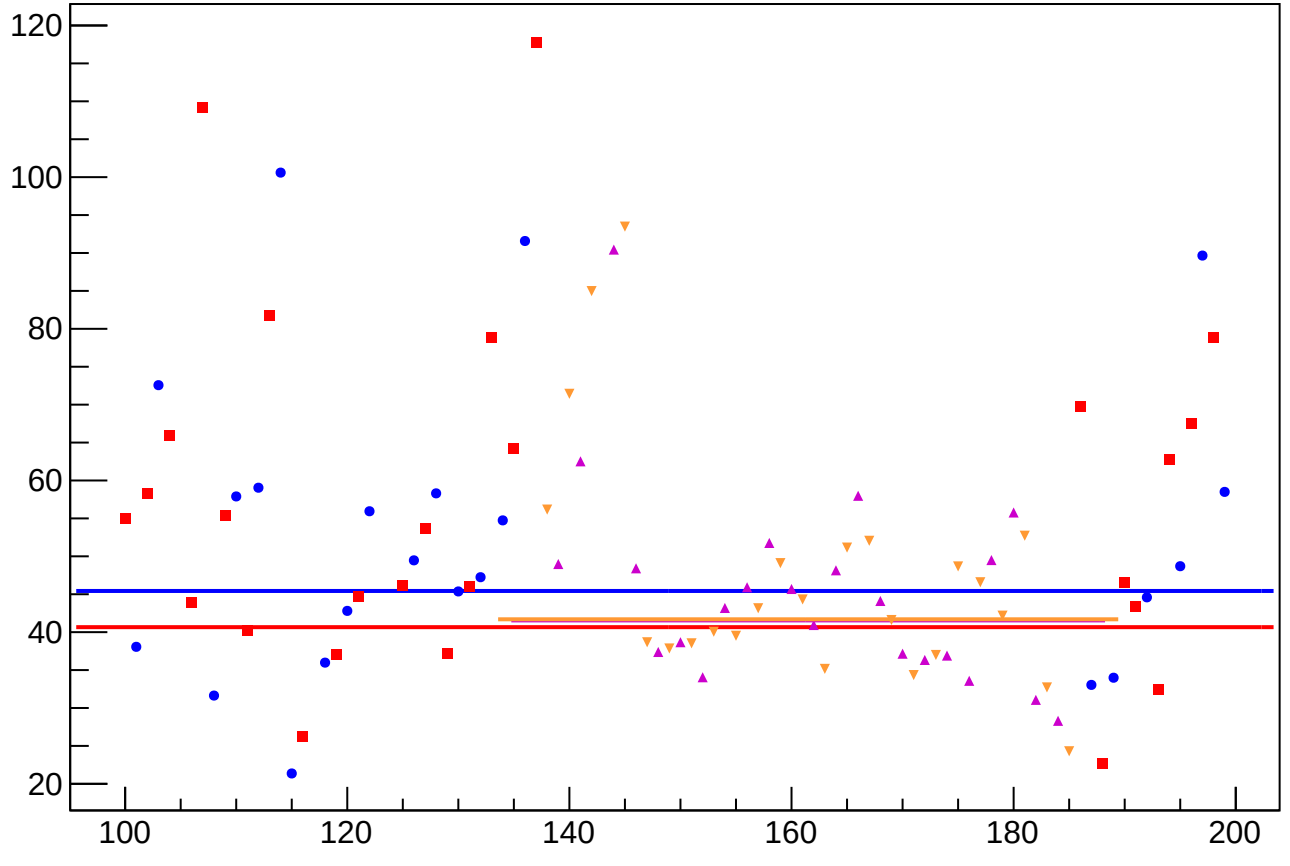
Left: -0.011+/-0.007 χ^2/NDF: 43.9/46

Right: -0.005+/-0.010 χ^2/NDF: 65.2/47

In: -0.011+/-0.009 χ^2/NDF:44.4/44

Out: -0.007+/-0.008 χ^2/NDF:64.7/49

All: -0.009+/-0.006 χ^2/NDF: 109.3/94



Right In: 45.431+/-0.011 χ^2/NDF: 1860787.9/21

Left Out: 41.694+/-0.007 χ^2/NDF:1821790.0/23

Right Out: 40.658+/-0.010 χ^2/NDF: 3213171.4/25

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

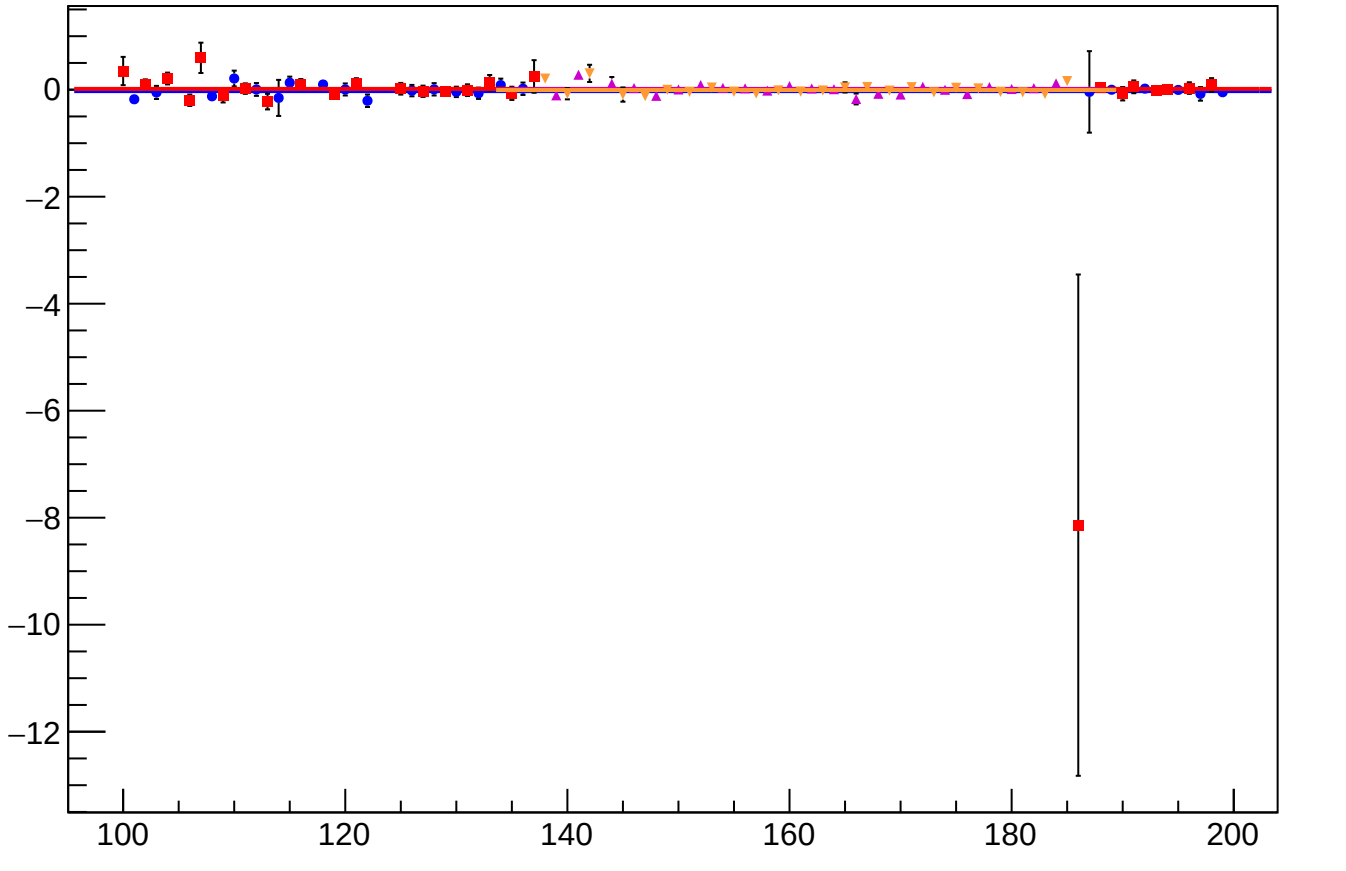
Left: 41.622+/-0.005 χ^2/NDF: 3434958.6/46

Right: 42.767+/-0.007 χ^2/NDF: 5184064.4/47

In: 42.801+/-0.006 χ^2/NDF:3562151.1/44

Out: 41.305+/-0.006 χ^2/NDF:5042293.0/49

All: 42.023+/-0.004 χ^2/NDF: 8635704.2/94



Right In: -0.027+/-0.021 χ^2/NDF: 18.5/21

Left Out: -0.007+/-0.015 χ^2/NDF:23.7/23

Right Out: 0.015+/-0.020 χ^2/NDF: 27.2/25

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

Left: 0.000+/-0.011 χ^2/NDF: 52.2/46

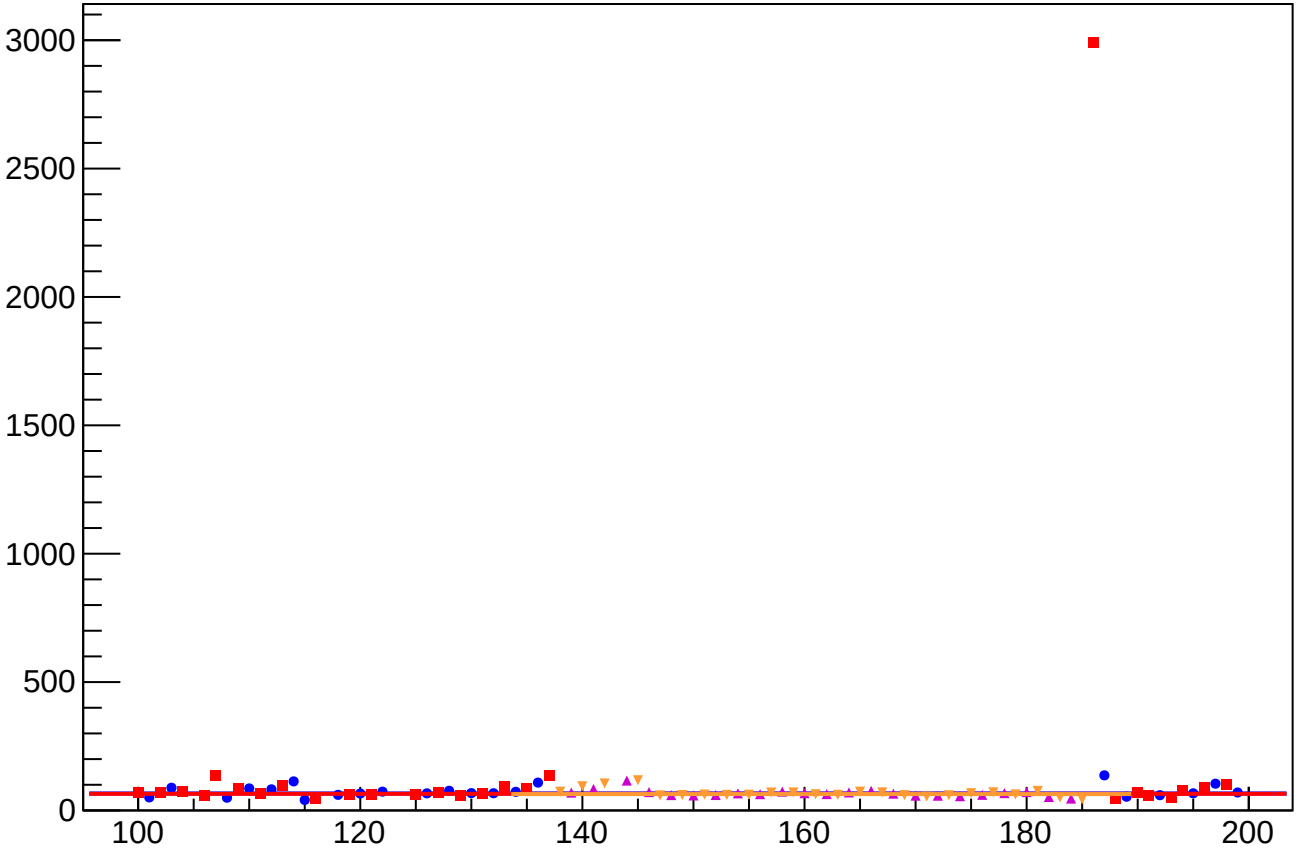
Right: -0.005+/-0.015 χ^2/NDF: 47.8/47

In: -0.004+/-0.012 χ^2/NDF:48.4/44

Out: 0.001+/-0.012 χ^2/NDF:51.6/49

All: -0.001+/-0.009 χ^2/NDF: 100.1/94

asym_usl_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



Right In: 66.227+/-0.015 χ^2/NDF: 1039829.0/21

Left Out: 63.779+/-0.011 χ^2/NDF:1078823.1/23

Right Out: 64.811+/-0.014 χ^2/NDF: 2161613.0/25

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

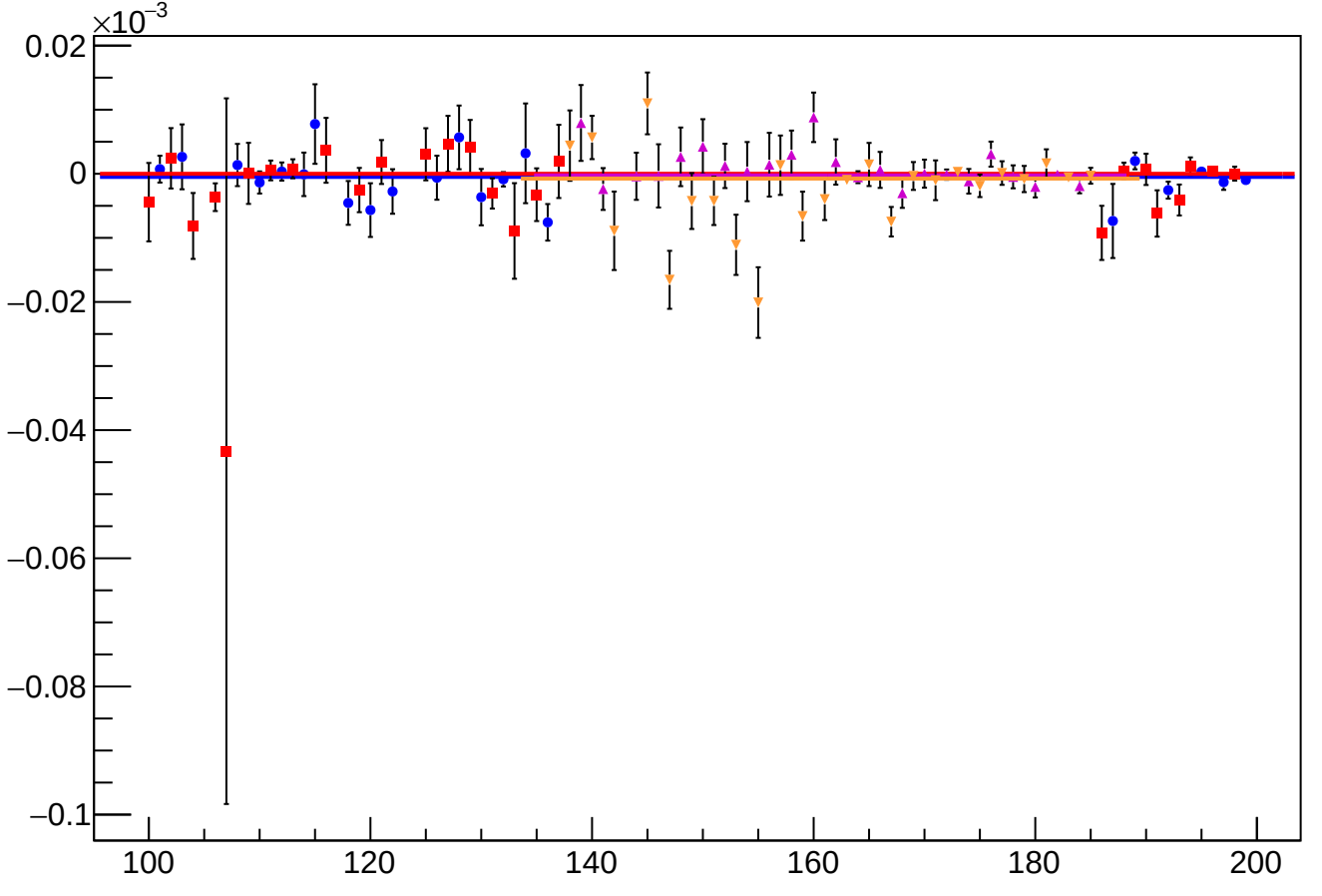
Left: 63.907+/-0.008 χ^2/NDF: 1917889.6/46

Right: 65.484+/-0.010 χ^2/NDF: 3206155.9/47

In: 64.802+/-0.009 χ^2/NDF:1892603.2/44

Out: 64.161+/-0.009 χ^2/NDF:3243760.7/49

All: 64.474+/-0.006 χ^2/NDF: 5139051.1/94



Right In: -0.000+/-0.000 χ^2/NDF: 26.8/21

Left Out: -0.000+/-0.000 χ^2/NDF:60.0/23

Right Out: -0.000+/-0.000 χ^2/NDF: 27.1/25

Left In: -0.000+/-0.000 χ^2/NDF:18.8/22

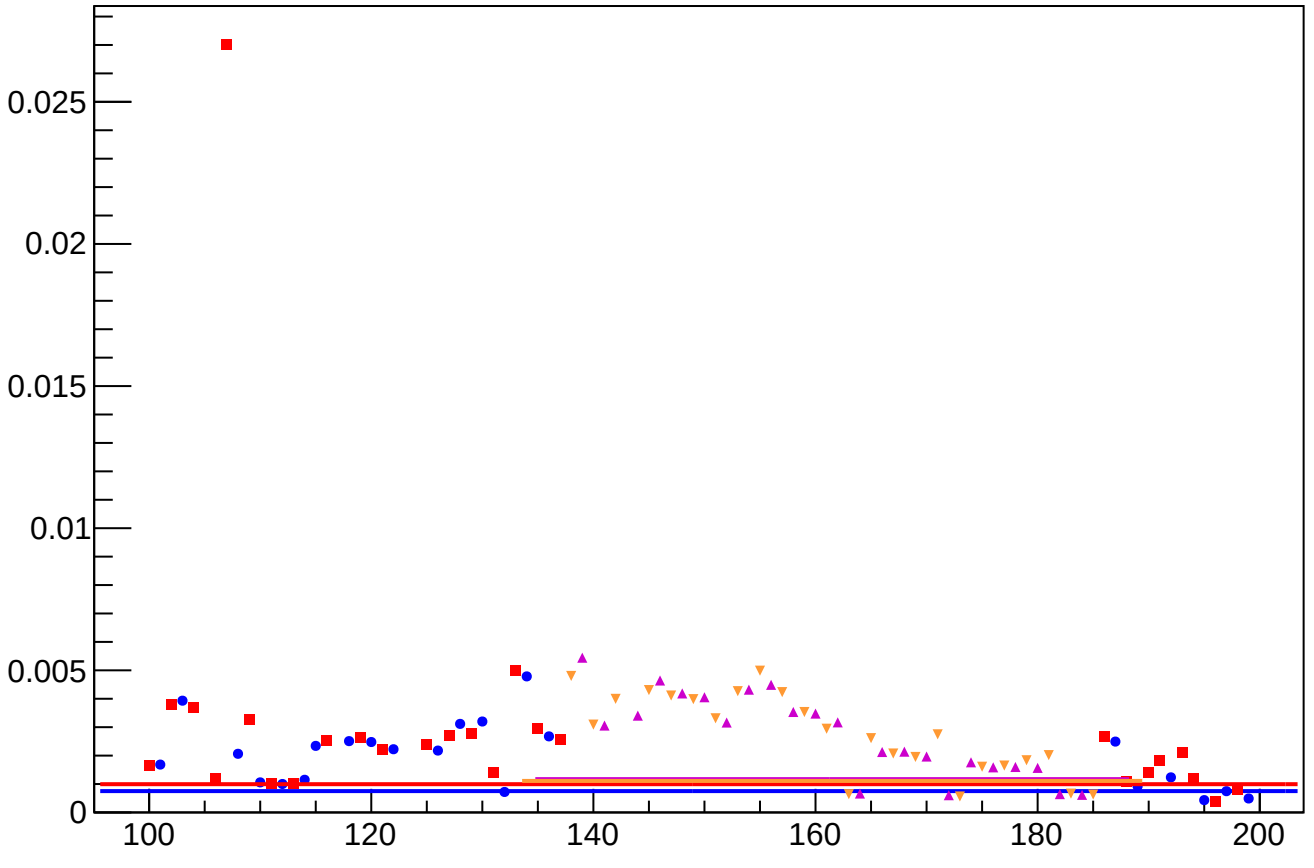
Left: -0.000+/-0.000 χ^2/NDF: 79.8/46

Right: -0.000+/-0.000 χ^2/NDF: 55.0/47

In: -0.000+/-0.000 χ^2/NDF:45.8/44

Out: -0.000+/-0.000 χ^2/NDF:89.3/49

All: -0.000+/-0.000 χ^2/NDF: 135.1/94



Right In: 0.001+/-0.000 χ^2/NDF: 7635080.2/21

Left Out: 0.001+/-0.000 χ^2/NDF:15160045.8/23

Right Out: 0.001+/-0.000 χ^2/NDF: 8305963.0/25

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

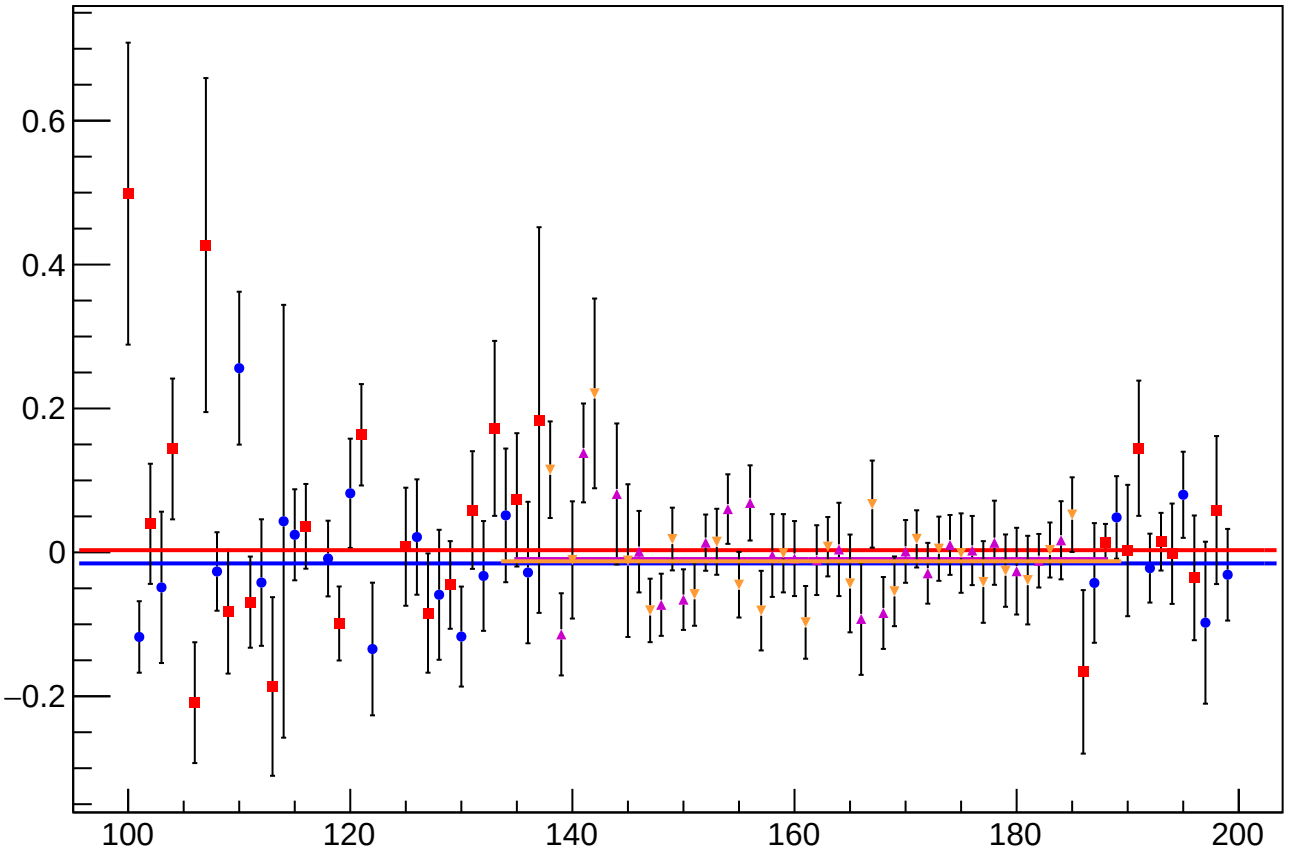
Left: 0.001+/-0.000 χ^2/NDF: 29445135.6/46

Right: 0.001+/-0.000 χ^2/NDF: 16477592.9/47

In: 0.001+/-0.000 χ^2/NDF:23564314.5/44

Out: 0.001+/-0.000 χ^2/NDF:23569577.4/49

All: 0.001+/-0.000 χ^2/NDF: 47480828.1/94



Right In: -0.015+/-0.015 χ^2/NDF: 22.4/21

Left Out: -0.012+/-0.010 χ^2/NDF:21.9/23

Right Out: 0.003+/-0.014 χ^2/NDF: 42.0/25

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

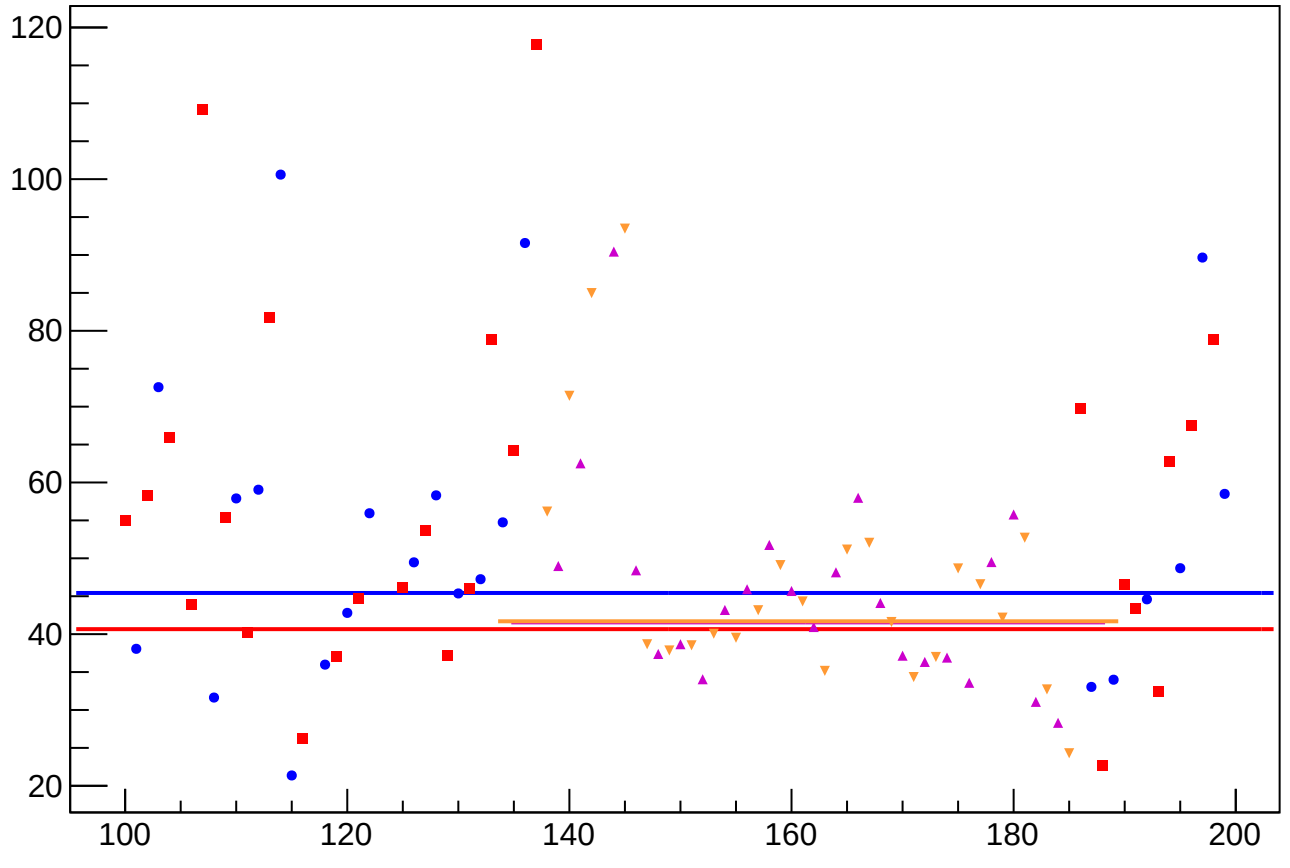
Left: -0.011+/-0.007 χ^2/NDF: 43.9/46

Right: -0.005+/-0.010 χ^2/NDF: 65.2/47

In: -0.011+/-0.009 χ^2/NDF:44.4/44

Out: -0.007+/-0.008 χ^2/NDF:64.7/49

All: -0.009+/-0.006 χ^2/NDF: 109.3/94



Right In: 45.431+/-0.011 χ^2/NDF: 1860866.3/21

Left Out: 41.695+/-0.007 χ^2/NDF:1821753.6/23

Right Out: 40.658+/-0.010 χ^2/NDF: 3212984.2/25

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

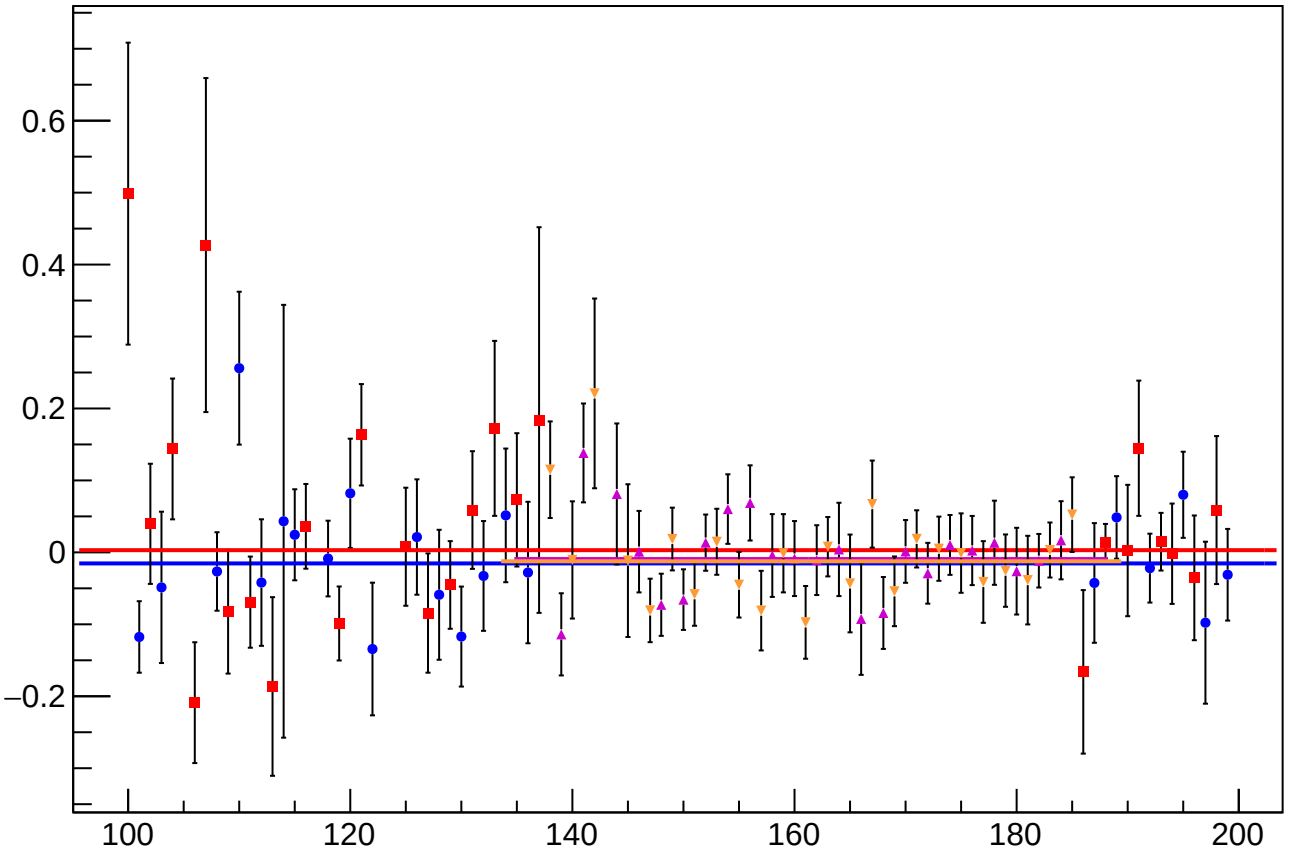
Left: 41.623+/-0.005 χ^2/NDF: 3434883.2/46

Right: 42.767+/-0.007 χ^2/NDF: 5183921.6/47

In: 42.801+/-0.006 χ^2/NDF:3562150.2/44

Out: 41.305+/-0.006 χ^2/NDF:5042069.2/49

All: 42.023+/-0.004 χ^2/NDF: 8635474.8/94



Right In: -0.015+/-0.015 χ^2/NDF: 22.4/21

Left Out: -0.012+/-0.010 χ^2/NDF:21.9/23

Right Out: 0.003+/-0.014 χ^2/NDF: 42.0/25

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

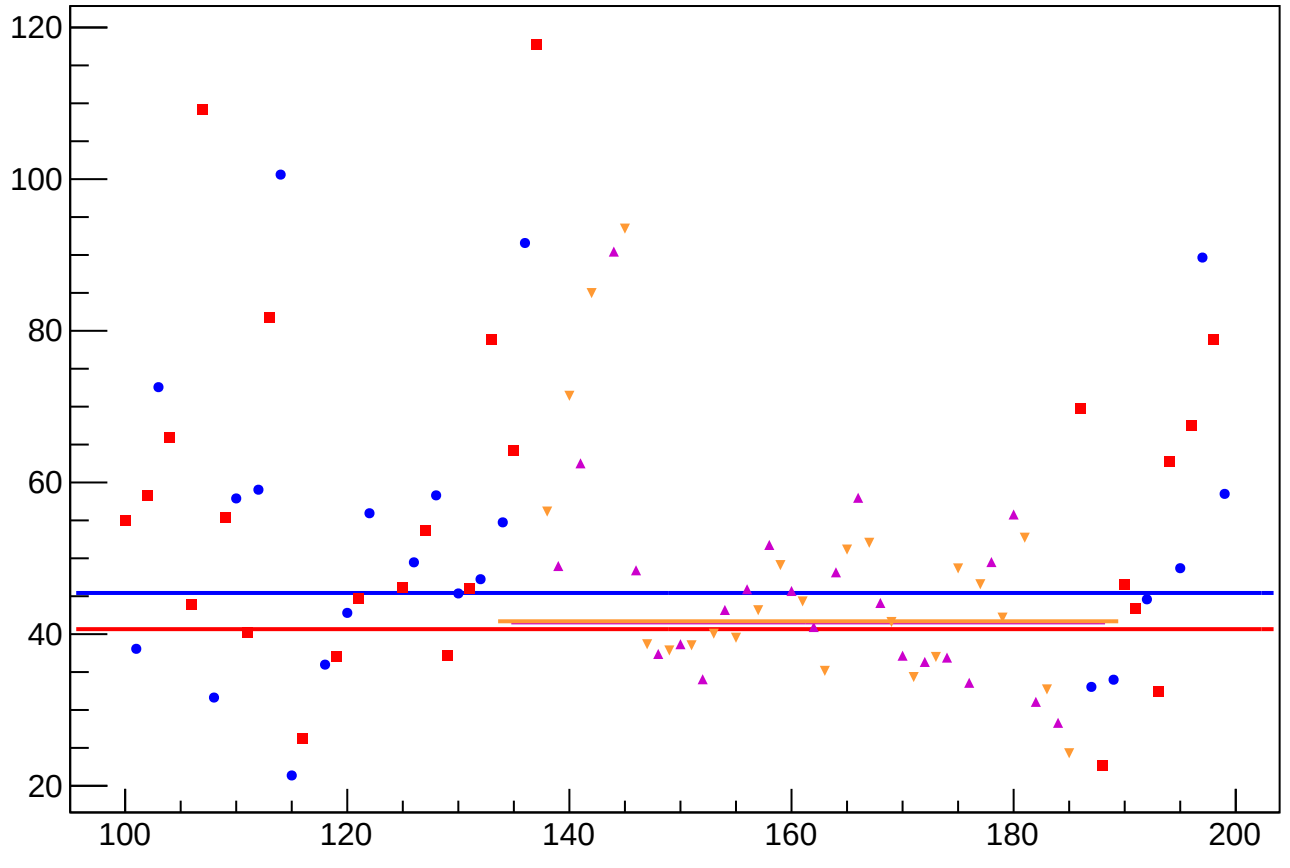
Left: -0.011+/-0.007 χ^2/NDF: 43.9/46

Right: -0.005+/-0.010 χ^2/NDF: 65.2/47

In: -0.011+/-0.009 χ^2/NDF:44.4/44

Out: -0.007+/-0.008 χ^2/NDF:64.7/49

All: -0.009+/-0.006 χ^2/NDF: 109.3/94



Right In: 45.431+/-0.011 χ^2/NDF: 1860866.3/21

Left Out: 41.695+/-0.007 χ^2/NDF:1821753.6/23

Right Out: 40.658+/-0.010 χ^2/NDF: 3212984.2/25

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

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

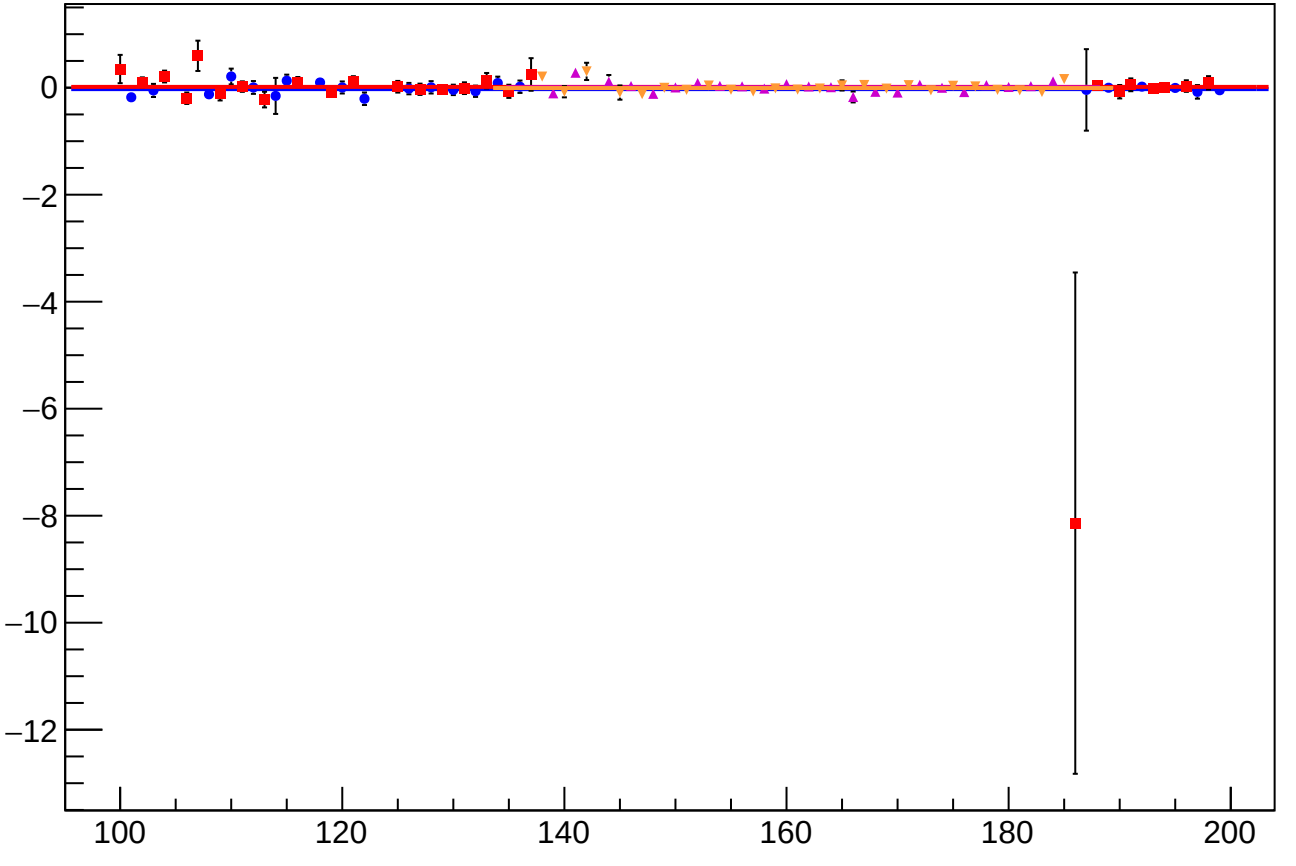
Right: 42.767+/-0.007 χ^2/NDF: 5183921.6/47

In: 42.801+/-0.006 χ^2/NDF:3562150.2/44

Out: 41.305+/-0.006 χ^2/NDF:5042069.2/49

All: 42.023+/-0.004 χ^2/NDF: 8635474.8/94

asym_usl_eigen_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.027+/-0.021 χ^2/NDF: 18.5/21

Left Out: -0.007+/-0.015 χ^2/NDF:23.7/23

Right Out: 0.015+/-0.020 χ^2/NDF: 27.2/25

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

Left: 0.000+/-0.011 χ^2/NDF: 52.2/46

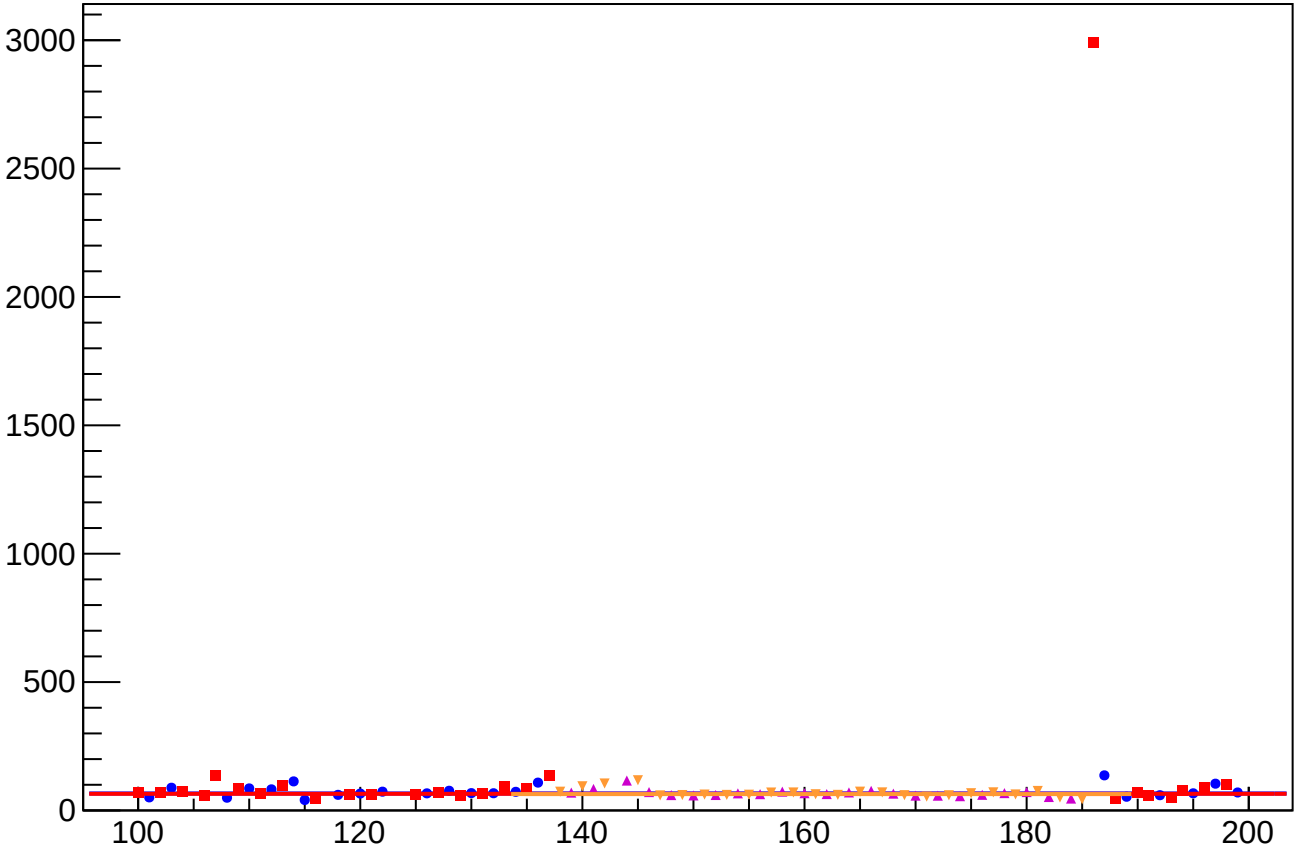
Right: -0.005+/-0.015 χ^2/NDF: 47.8/47

In: -0.004+/-0.012 χ^2/NDF:48.4/44

Out: 0.001+/-0.012 χ^2/NDF:51.6/49

All: -0.001+/-0.009 χ^2/NDF: 100.1/94

asym_usl_eigen_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



Right In: 66.227+/-0.015 χ^2/NDF: 1039842.1/21

Left Out: 63.779+/-0.011 χ^2/NDF:1078810.5/23

Right Out: 64.811+/-0.014 χ^2/NDF: 2161592.3/25

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

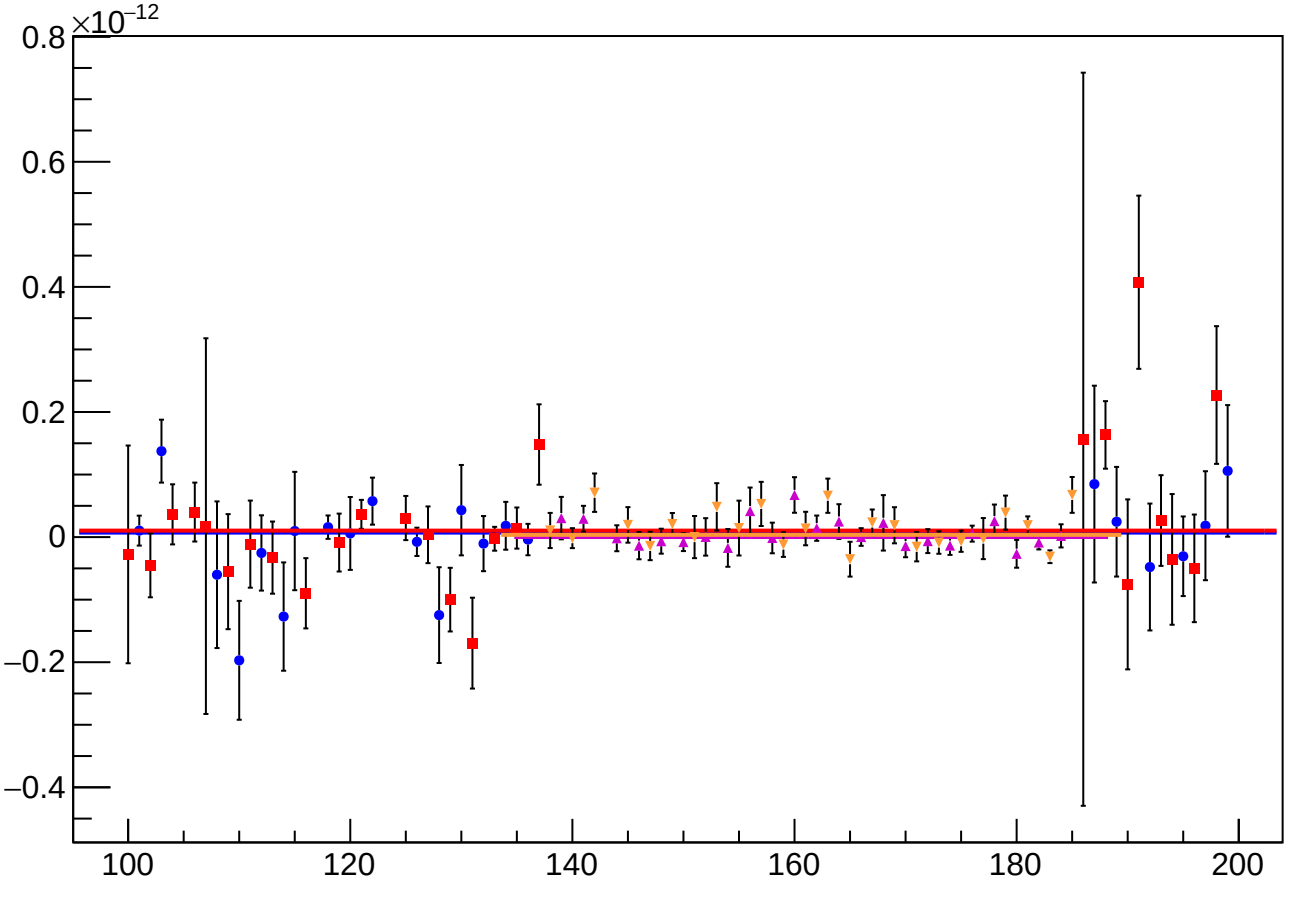
Left: 63.907+/-0.008 χ^2/NDF: 1917872.4/46

Right: 65.483+/-0.010 χ^2/NDF: 3206148.9/47

In: 64.802+/-0.009 χ^2/NDF:1892605.7/44

Out: 64.161+/-0.009 χ^2/NDF:3243724.4/49

All: 64.474+/-0.006 χ^2/NDF: 5139017.9/94



Right In: 0.000+/-0.000 χ^2/NDF: 22.3/21

Left Out: 0.000+/-0.000 χ^2/NDF:40.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 45.3/25

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

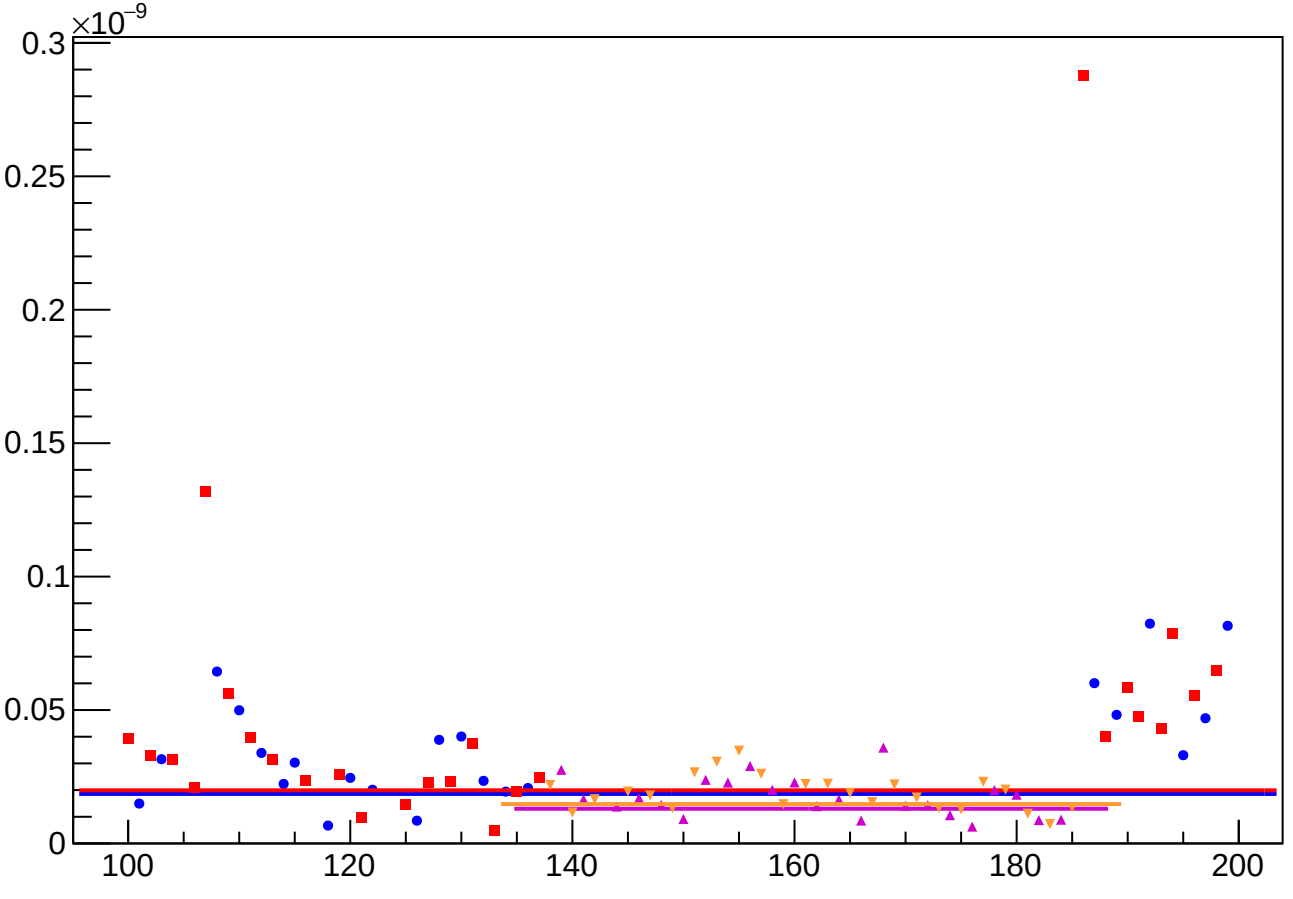
Left: 0.000+/-0.000 χ^2/NDF: 58.0/46

Right: 0.000+/-0.000 χ^2/NDF: 67.6/47

In: 0.000+/-0.000 χ^2/NDF:39.9/44

Out: 0.000+/-0.000 χ^2/NDF:86.3/49

All: 0.000+/-0.000 χ^2/NDF: 126.6/94



Right In: 0.000+/-0.000 χ^2/NDF: 4642694.5/21

Left Out: 0.000+/-0.000 χ^2/NDF:3531388.4/23

Right Out: 0.000+/-0.000 χ^2/NDF: 5397859.7/25

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

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

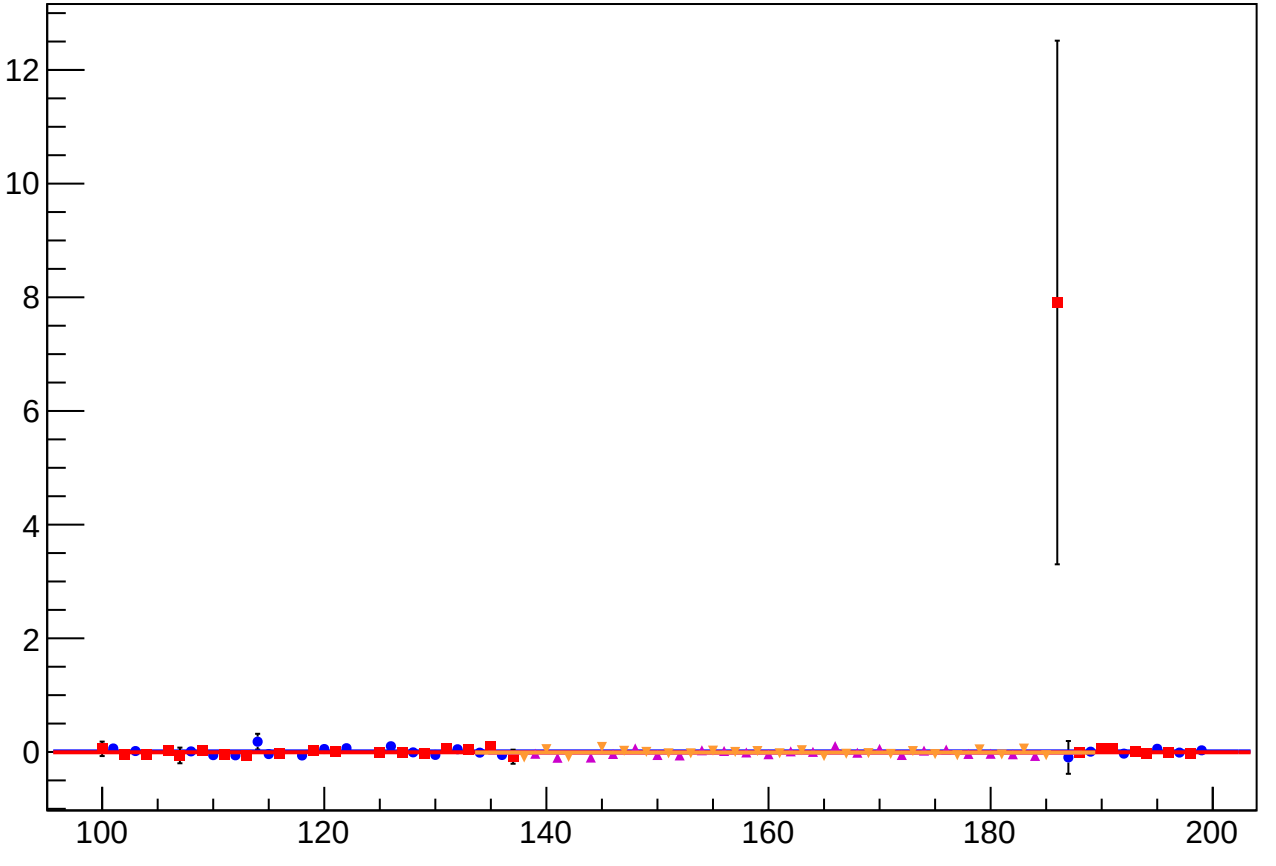
Right: 0.000+/-0.000 χ^2/NDF: 10062252.5/47

In: 0.000+/-0.000 χ^2/NDF:9208326.4/44

Out: 0.000+/-0.000 χ^2/NDF:9423984.8/49

All: 0.000+/-0.000 χ^2/NDF: 18832099.9/94

asym_usl_overload_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.011+/-0.011 χ^2/NDF: 18.4/21

Left Out: -0.010+/-0.009 χ^2/NDF:19.4/23

Right Out: -0.005+/-0.010 χ^2/NDF: 16.4/25

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

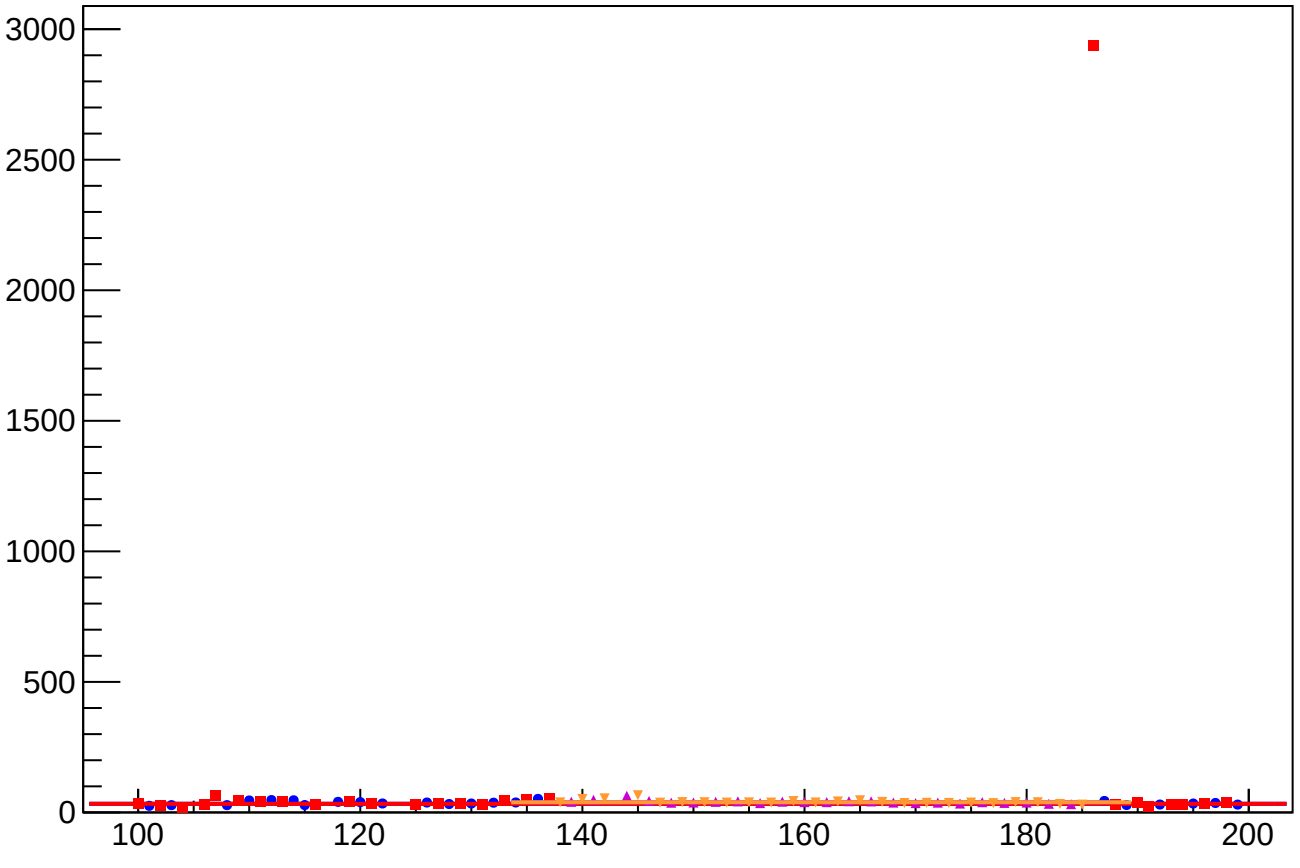
Left: -0.010+/-0.007 χ^2/NDF: 42.7/46

Right: 0.002+/-0.007 χ^2/NDF: 36.0/47

In: -0.001+/-0.007 χ^2/NDF:44.1/44

Out: -0.008+/-0.007 χ^2/NDF:35.9/49

All: -0.005+/-0.005 χ^2/NDF: 80.4/94



Right In: 33.255+/-0.007 χ^2/NDF: 718699.1/21

Left Out: 38.972+/-0.007 χ^2/NDF:624525.1/23

Right Out: 33.000+/-0.007 χ^2/NDF: 1838688.8/25

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

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

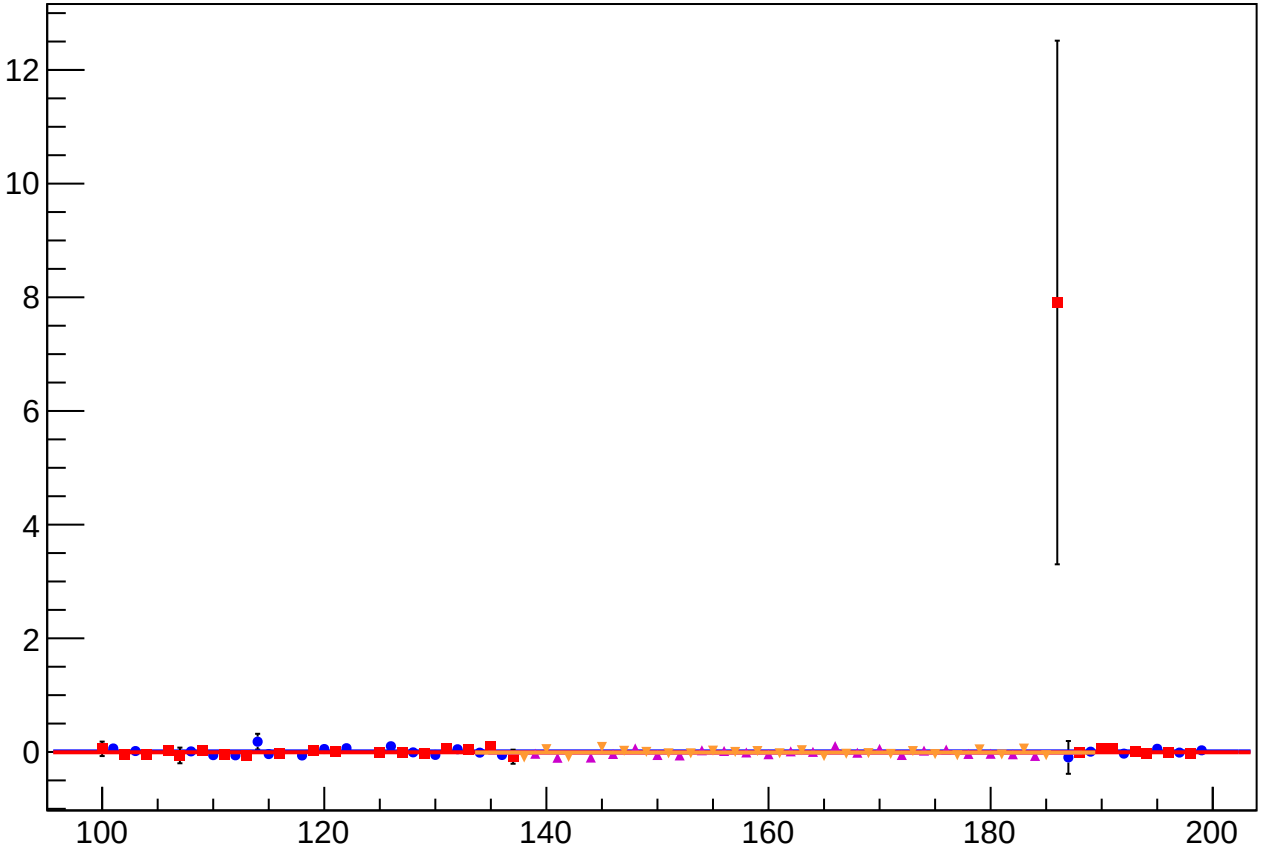
Right: 33.123+/-0.005 χ^2/NDF: 2558000.9/47

In: 36.495+/-0.005 χ^2/NDF:1588436.9/44

Out: 36.180+/-0.005 χ^2/NDF:2835523.1/49

All: 36.334+/-0.003 χ^2/NDF: 4425983.8/94

asym_usl_overload_cor_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.011+/-0.011 χ^2/NDF: 18.4/21

Left Out: -0.010+/-0.009 χ^2/NDF:19.4/23

Right Out: -0.005+/-0.010 χ^2/NDF: 16.4/25

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

Left: -0.010+/-0.007 χ^2/NDF: 42.7/46

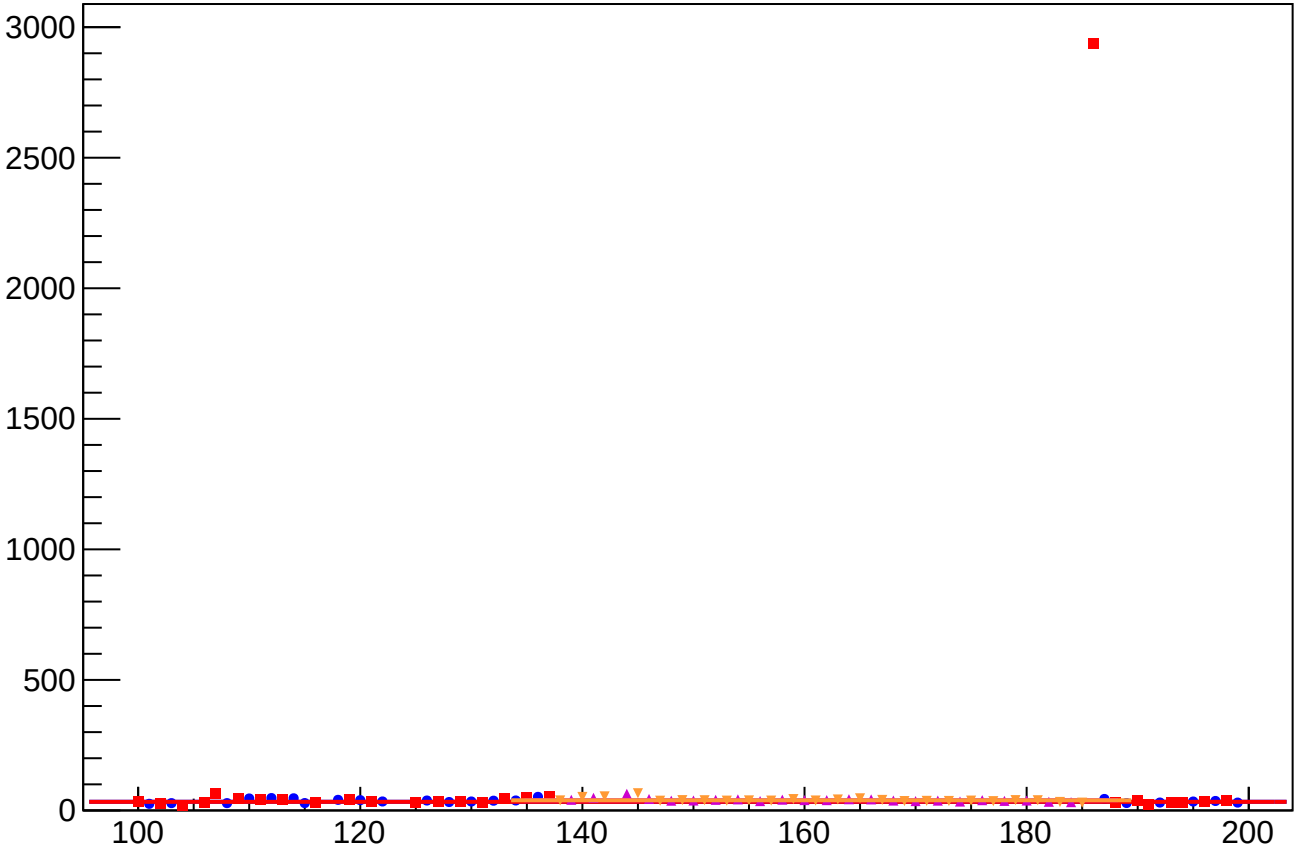
Right: 0.002+/-0.007 χ^2/NDF: 36.0/47

In: -0.001+/-0.007 χ^2/NDF:44.1/44

Out: -0.008+/-0.007 χ^2/NDF:35.9/49

All: -0.005+/-0.005 χ^2/NDF: 80.4/94

asym_usl_overload_cor_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 33.255+/-0.007 χ^2/NDF: 718699.1/21

Left Out: 38.972+/-0.007 χ^2/NDF:624525.1/23

Right Out: 33.000+/-0.007 χ^2/NDF: 1838688.8/25

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

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

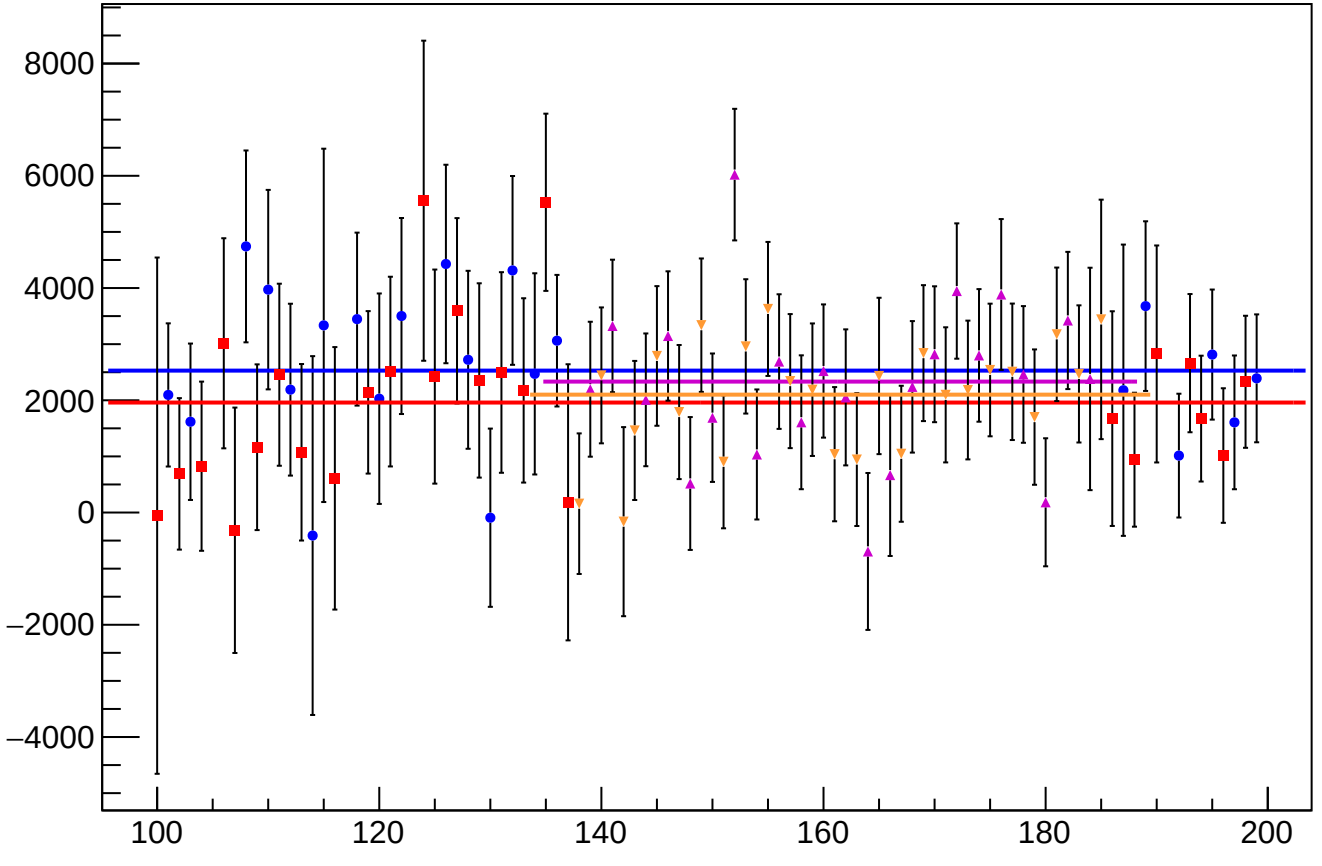
Right: 33.123+/-0.005 χ^2/NDF: 2558000.9/47

In: 36.495+/-0.005 χ^2/NDF:1588436.9/44

Out: 36.180+/-0.005 χ^2/NDF:2835523.1/49

All: 36.334+/-0.003 χ^2/NDF: 4425983.8/94

reg_asym_usr_mean vs Slug, Sign Corrected



Right In: 2528.650+/-323.073 χ^2/NDF: 13.0/21

Left Out: 2100.398+/-248.306 χ^2/NDF:13.8/24

Right Out: 1959.699+/-312.354 χ^2/NDF: 14.7/25

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

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

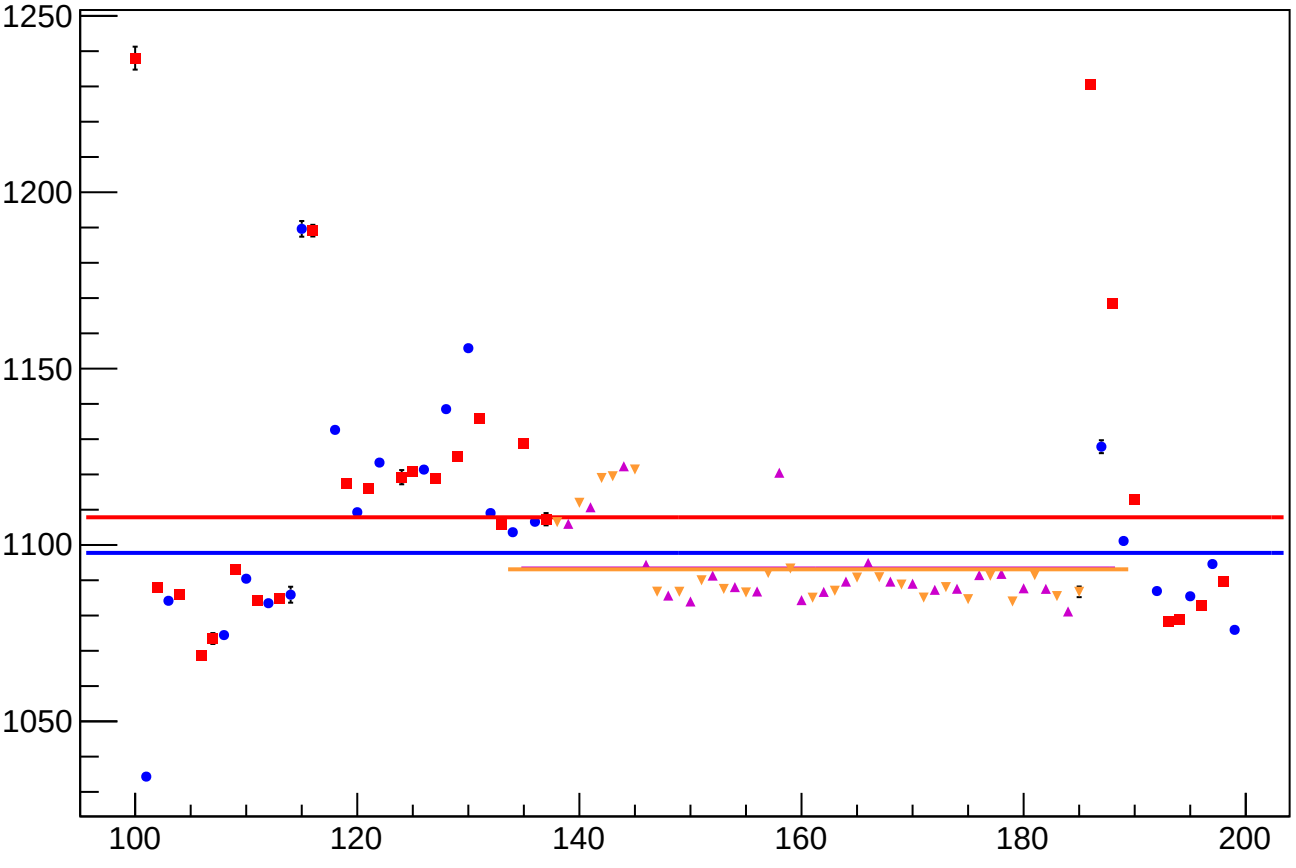
Right: 2234.579+/-224.562 χ^2/NDF: 29.2/47

In: 2408.176+/-200.300 χ^2/NDF:42.7/44

Out: 2045.914+/-194.372 χ^2/NDF:28.6/50

All: 2221.605+/-139.491 χ^2/NDF: 73.0/95

reg_asym_usr_rms vs Slug, Sign Corrected



Right In: 1097.760+/-0.228 χ^2/NDF: 14993.3/21

Left Out: 1093.102+/-0.176 χ^2/NDF:3983.2/24

Right Out: 1107.853+/-0.221 χ^2/NDF: 25914.0/25

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

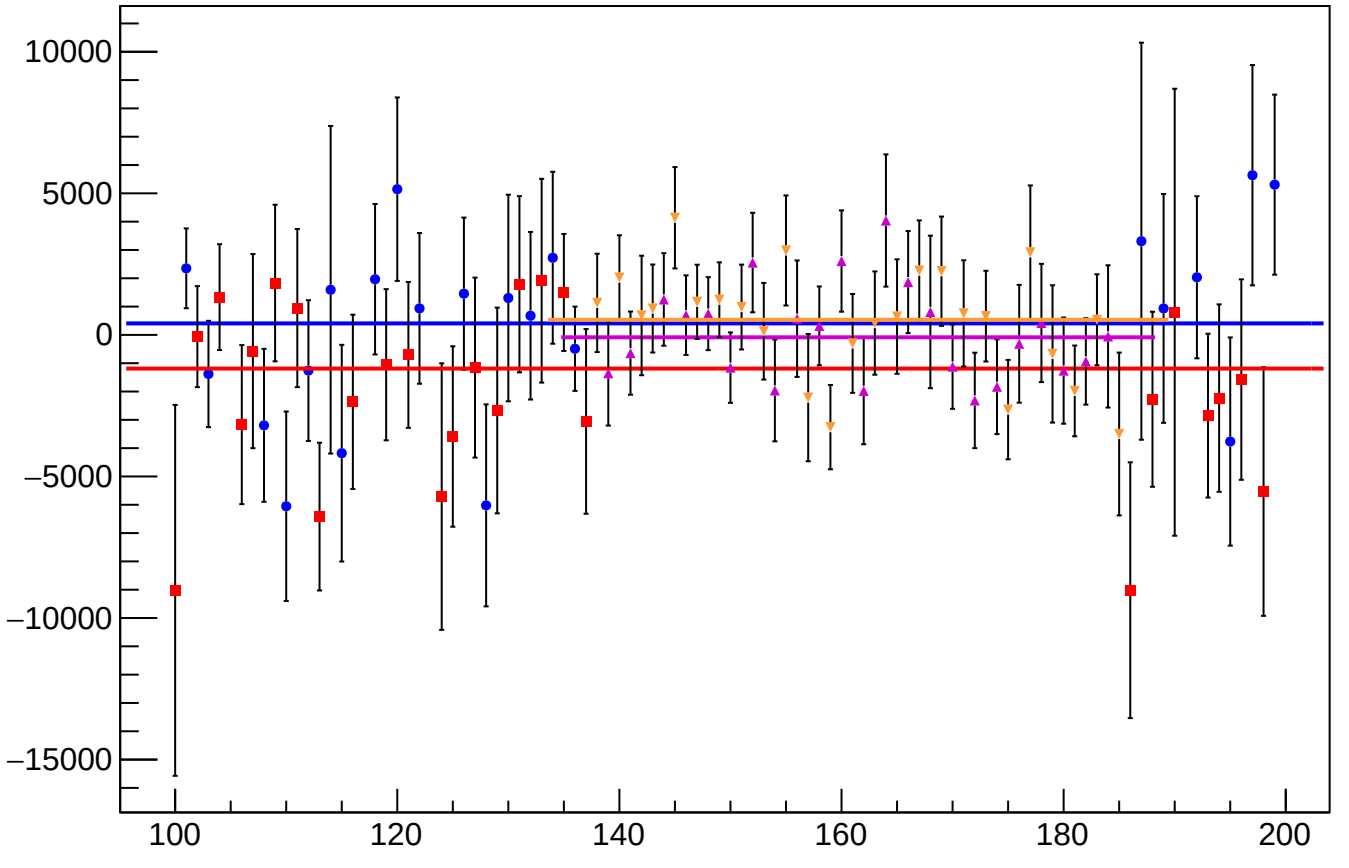
Left: 1093.217+/-0.126 χ^2/NDF: 7709.8/47

Right: 1102.976+/-0.159 χ^2/NDF: 41916.2/47

In: 1095.038+/-0.142 χ^2/NDF:18949.6/44

Out: 1098.814+/-0.137 χ^2/NDF:32630.3/50

All: 1096.983+/-0.099 χ^2/NDF: 51946.0/95



Right In: 406.171+/-571.658 χ^2/NDF: 23.2/21

Left Out: 532.982+/-347.223 χ^2/NDF:26.4/24

Right Out: -1189.000+/-579.589 χ^2/NDF: 20.1/25

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

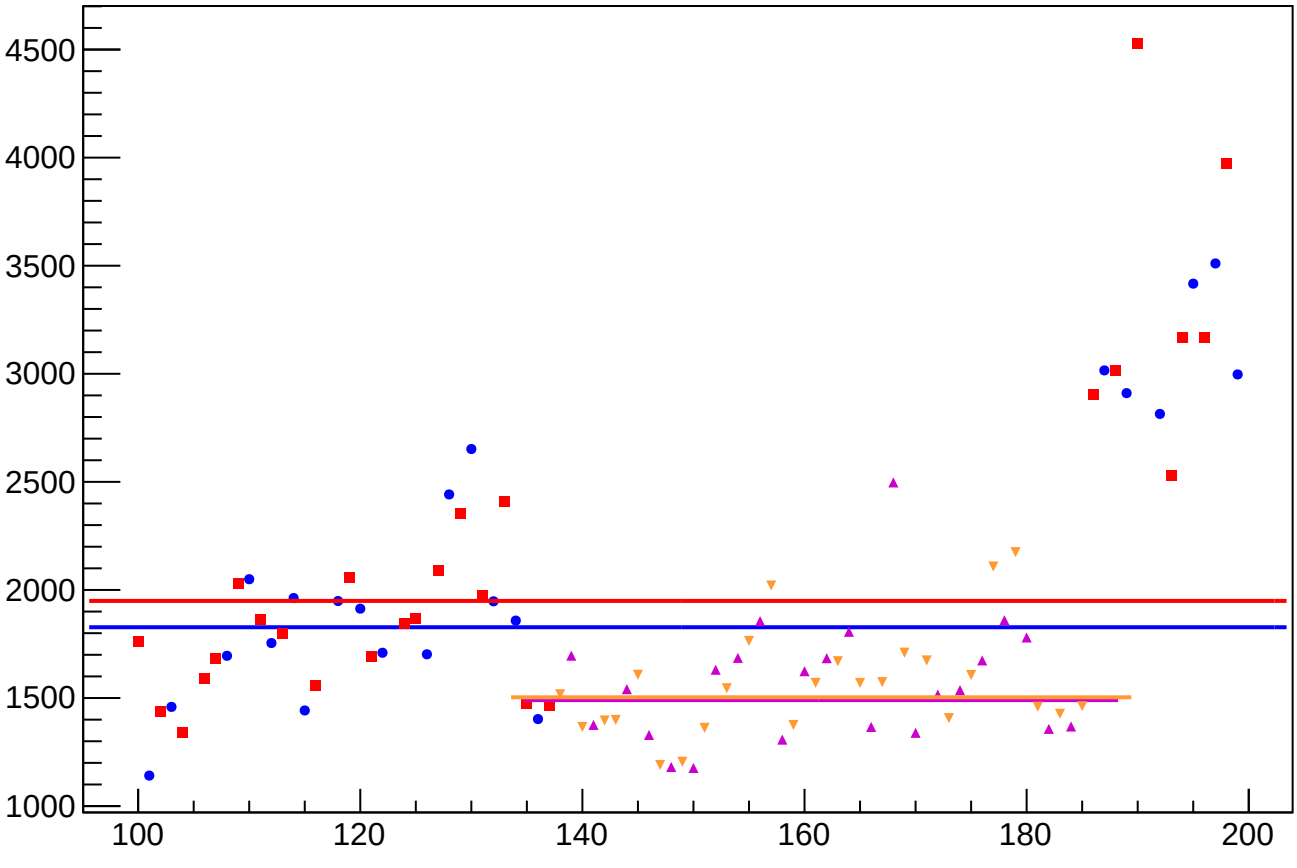
Left: 229.744+/-247.862 χ^2/NDF: 46.1/47

Right: -380.426+/-406.998 χ^2/NDF: 47.1/47

In: 50.868+/-300.925 χ^2/NDF:41.8/44

Out: 78.187+/-297.861 χ^2/NDF:53.0/50

All: 64.667+/-211.695 χ^2/NDF: 94.8/95



Right In: 1827.473+/-0.404 χ^2/NDF: 2386564.2/21

Left Out: 1503.437+/-0.246 χ^2/NDF:799670.9/24

Right Out: 1949.236+/-0.410 χ^2/NDF: 2258869.4/25

Left In: 1490.314+/-0.250 χ^2/NDF:968221.5/22

Left: 1497.001+/-0.175 χ^2/NDF: 1769293.4/47

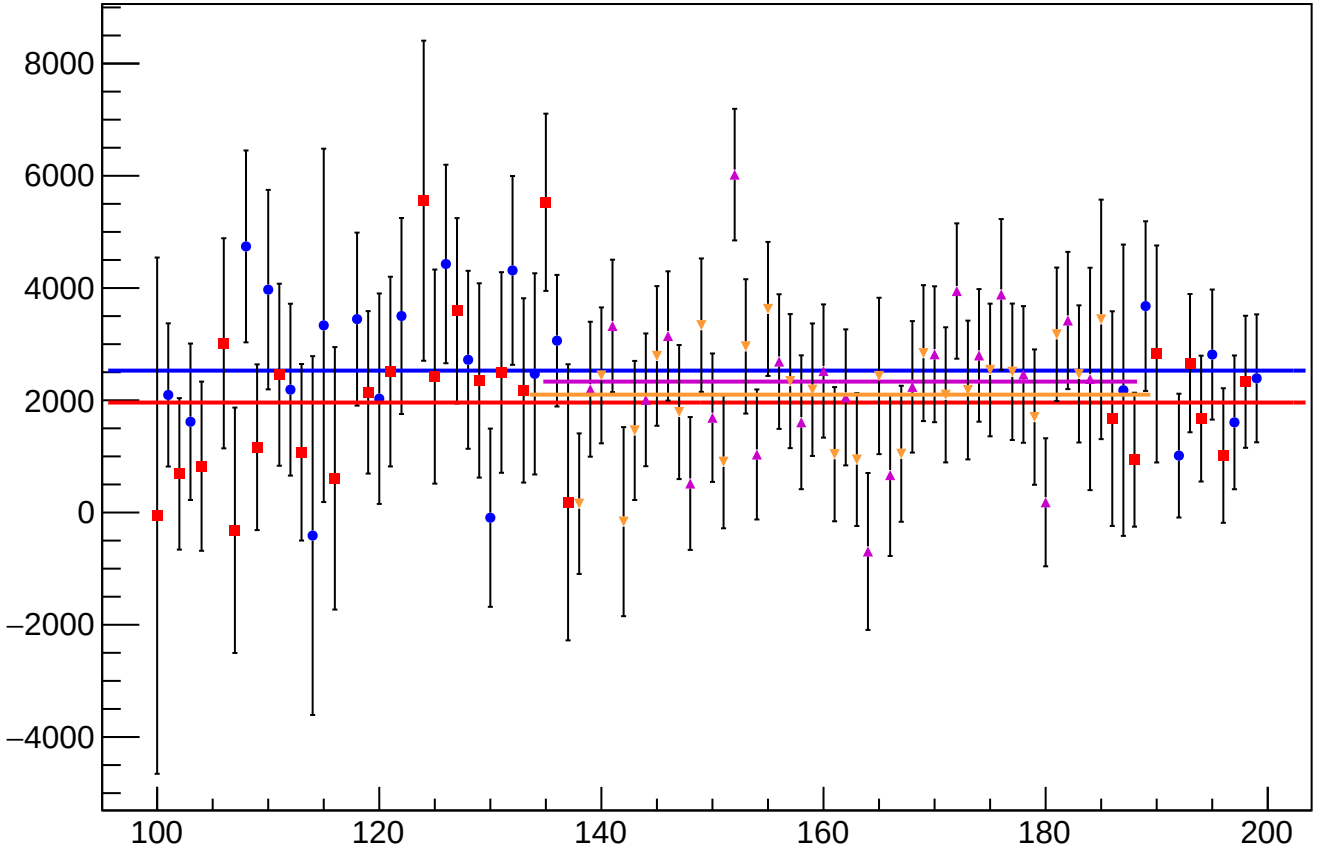
Right: 1887.516+/-0.288 χ^2/NDF: 4690177.8/47

In: 1583.743+/-0.213 χ^2/NDF:3857707.1/44

Out: 1621.178+/-0.211 χ^2/NDF:3929263.3/50

All: 1602.652+/-0.150 χ^2/NDF: 7802603.8/95

cor_asym_usr_mean vs Slug, Sign Corrected



Right In: 2528.650+/-323.073 χ^2/NDF: 13.0/21

Left Out: 2100.398+/-248.306 χ^2/NDF:13.8/24

Right Out: 1959.699+/-312.354 χ^2/NDF: 14.7/25

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

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

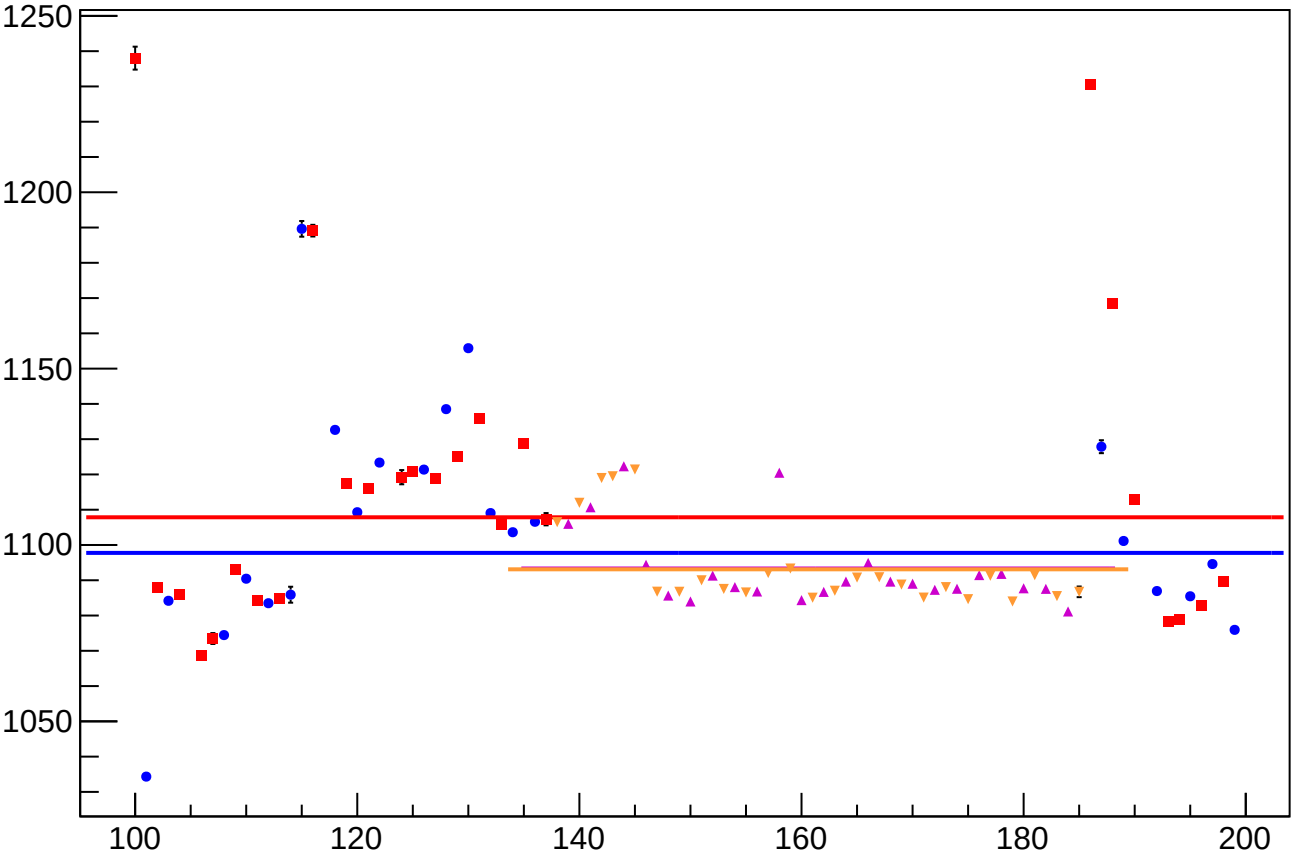
Right: 2234.579+/-224.562 χ^2/NDF: 29.2/47

In: 2408.176+/-200.300 χ^2/NDF:42.7/44

Out: 2045.914+/-194.372 χ^2/NDF:28.6/50

All: 2221.605+/-139.491 χ^2/NDF: 73.0/95

cor_asym_usr_rms vs Slug, Sign Corrected



Right In: 1097.760+/-0.228 χ^2/NDF: 14993.3/21

Left Out: 1093.102+/-0.176 χ^2/NDF:3983.2/24

Right Out: 1107.853+/-0.221 χ^2/NDF: 25914.0/25

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

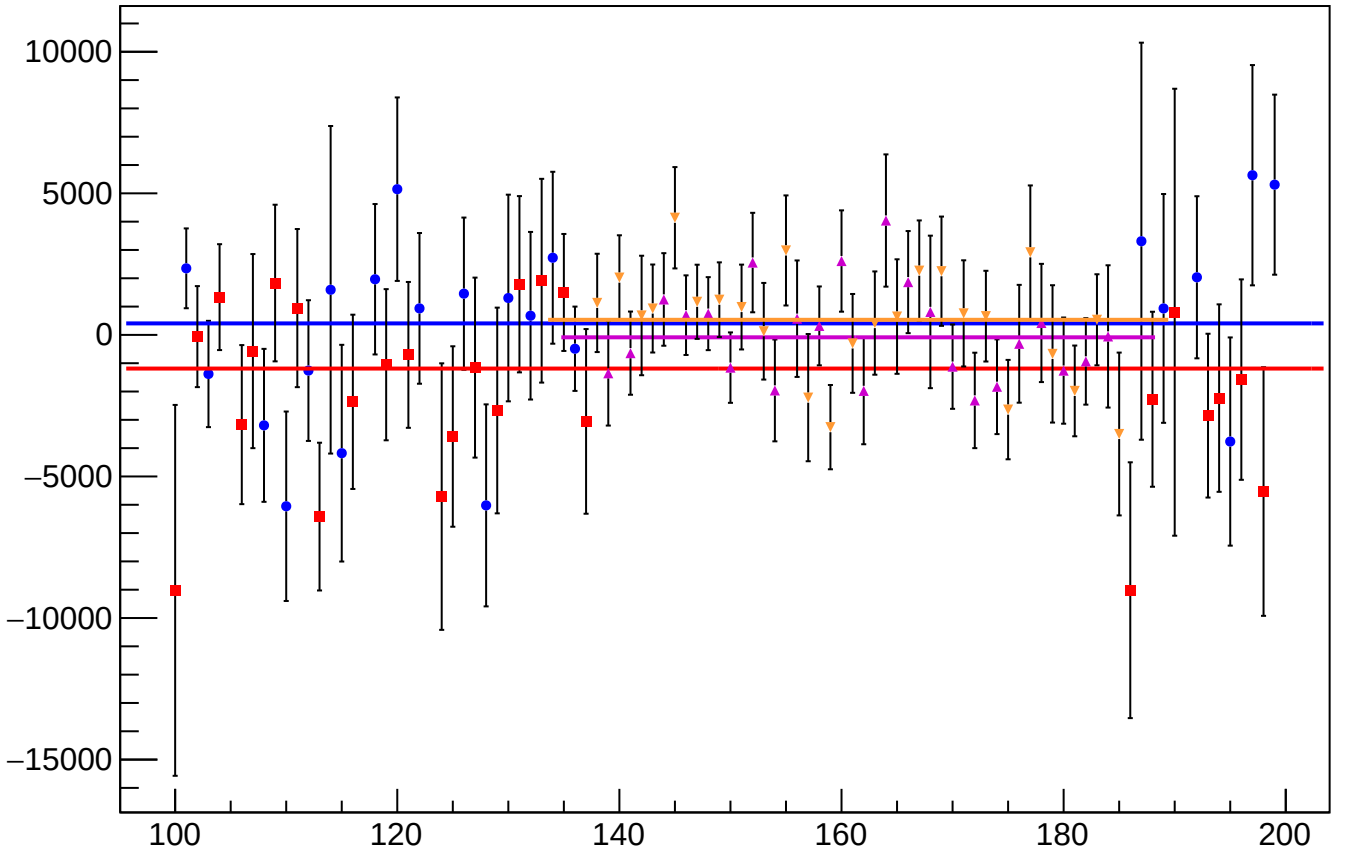
Left: 1093.217+/-0.126 χ^2/NDF: 7709.8/47

Right: 1102.976+/-0.159 χ^2/NDF: 41916.2/47

In: 1095.038+/-0.142 χ^2/NDF:18949.6/44

Out: 1098.814+/-0.137 χ^2/NDF:32630.3/50

All: 1096.983+/-0.099 χ^2/NDF: 51946.0/95



Right In: 406.171+/-571.658 χ^2/NDF: 23.2/21

Left Out: 532.982+/-347.223 χ^2/NDF:26.4/24

Right Out: -1189.000+/-579.589 χ^2/NDF: 20.1/25

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

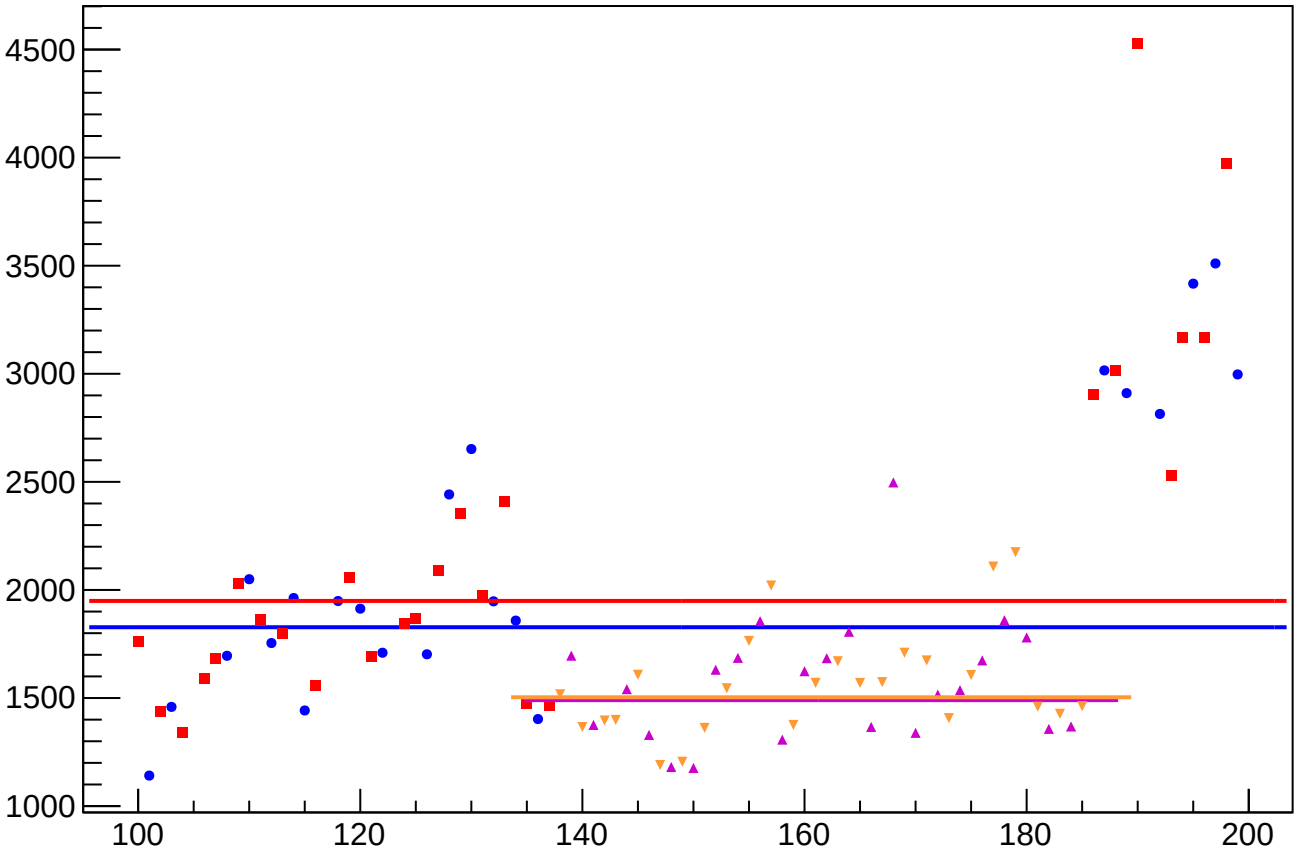
Left: 229.744+/-247.862 χ^2/NDF: 46.1/47

Right: -380.426+/-406.998 χ^2/NDF: 47.1/47

In: 50.868+/-300.925 χ^2/NDF:41.8/44

Out: 78.187+/-297.861 χ^2/NDF:53.0/50

All: 64.667+/-211.695 χ^2/NDF: 94.8/95



Right In: 1827.473+/-0.404 χ^2/NDF: 2386564.2/21

Left Out: 1503.437+/-0.246 χ^2/NDF:799670.9/24

Right Out: 1949.236+/-0.410 χ^2/NDF: 2258869.4/25

Left In: 1490.314+/-0.250 χ^2/NDF:968221.5/22

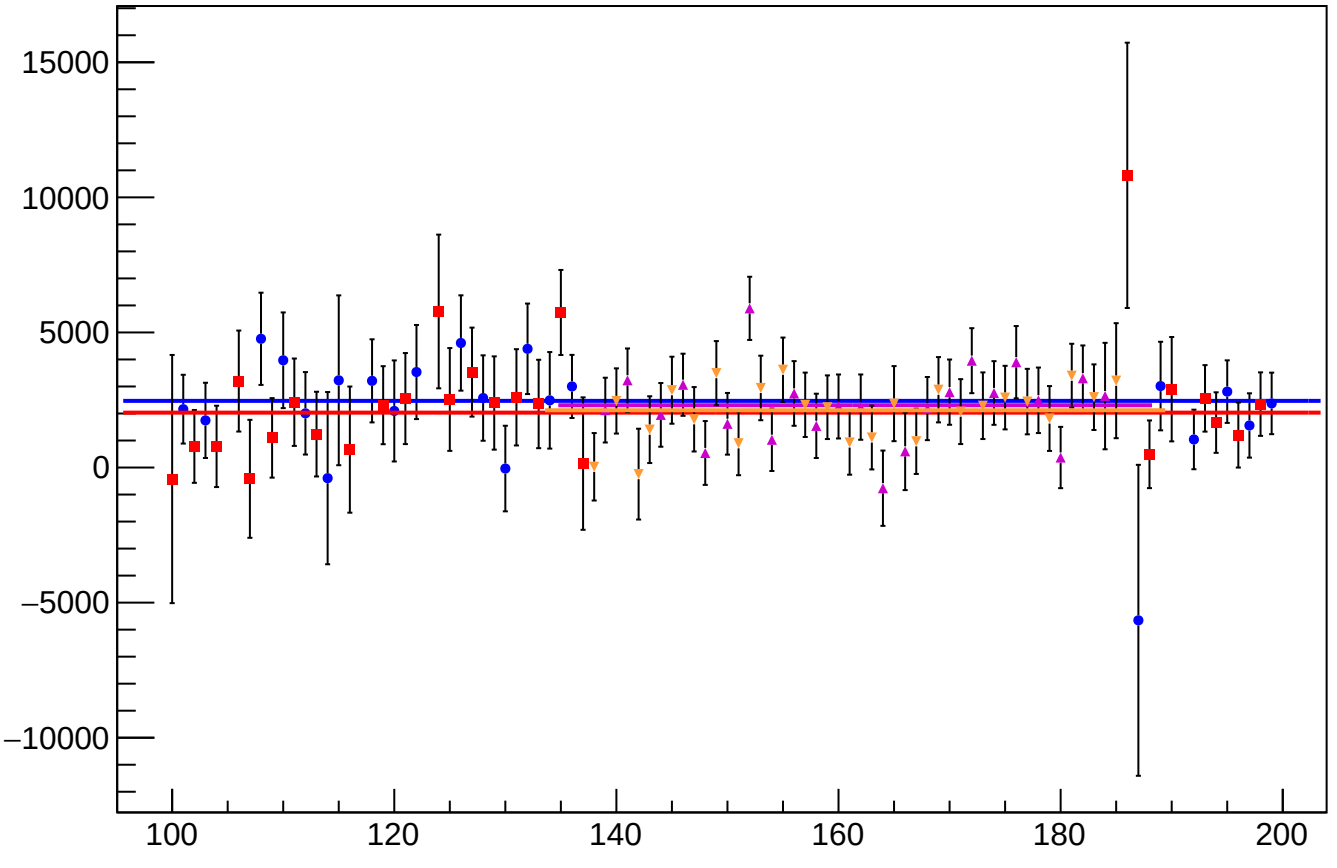
Left: 1497.001+/-0.175 χ^2/NDF: 1769293.4/47

Right: 1887.516+/-0.288 χ^2/NDF: 4690177.8/47

In: 1583.743+/-0.213 χ^2/NDF:3857707.1/44

Out: 1621.178+/-0.211 χ^2/NDF:3929263.3/50

All: 1602.652+/-0.150 χ^2/NDF: 7802603.8/95



Right In: 2467.705+/-325.572 χ^2/NDF: 14.4/21

Left Out: 2119.973+/-247.544 χ^2/NDF:15.1/24

Right Out: 2031.910+/-316.515 χ^2/NDF: 19.4/25

Left In: 2305.411+/-254.497 χ^2/NDF:28.5/22

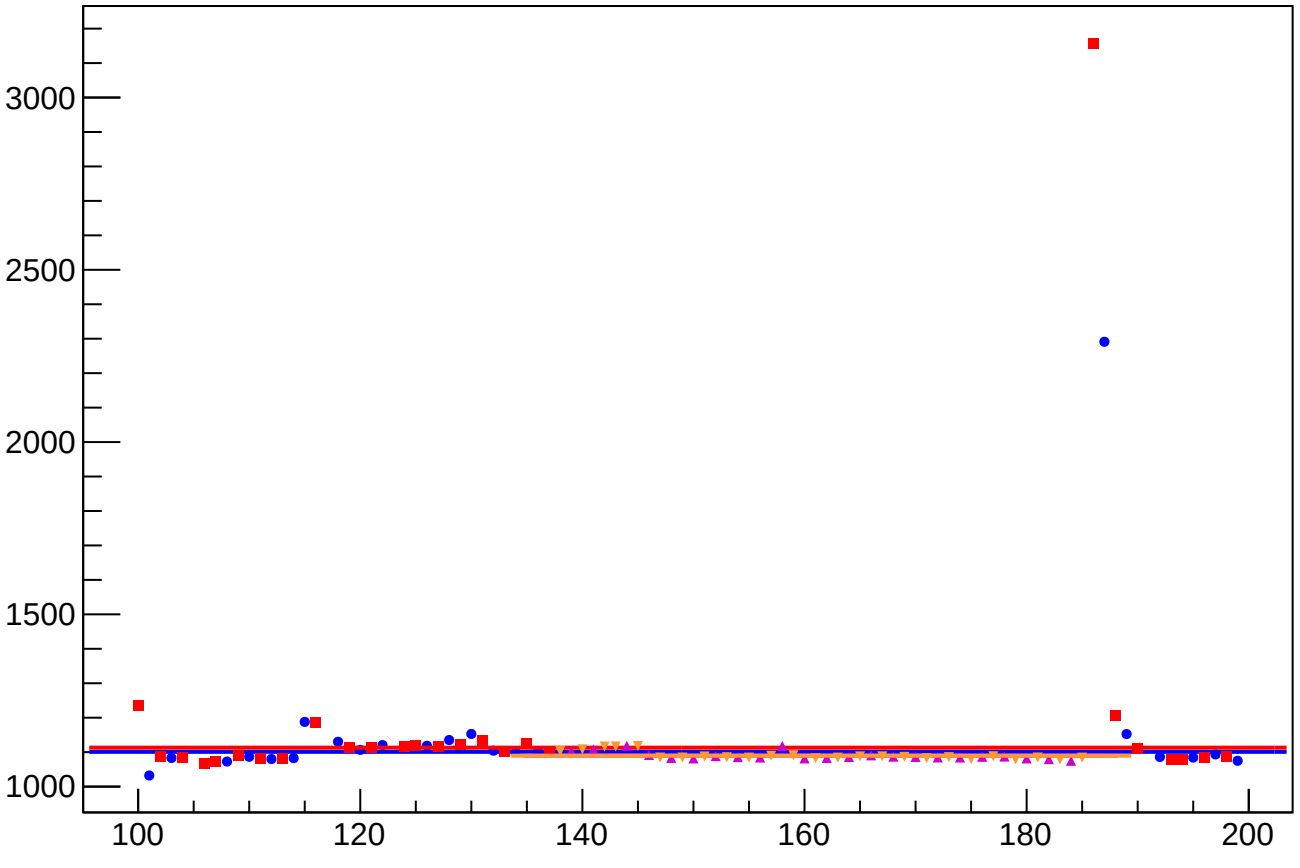
Left: 2210.124+/-177.447 χ^2/NDF: 43.9/47

Right: 2243.661+/-226.944 χ^2/NDF: 34.7/47

In: 2366.967+/-200.507 χ^2/NDF:43.1/44

Out: 2086.551+/-194.991 χ^2/NDF:34.5/50

All: 2222.849+/-139.789 χ^2/NDF: 78.6/95



Right In: 1100.954+/-0.230 χ^2/NDF: 102507.0/21

Left Out: 1089.744+/-0.175 χ^2/NDF:4057.6/24

Right Out: 1113.048+/-0.224 χ^2/NDF: 372104.3/25

Left In: 1089.964+/-0.180 χ^2/NDF:3896.0/22

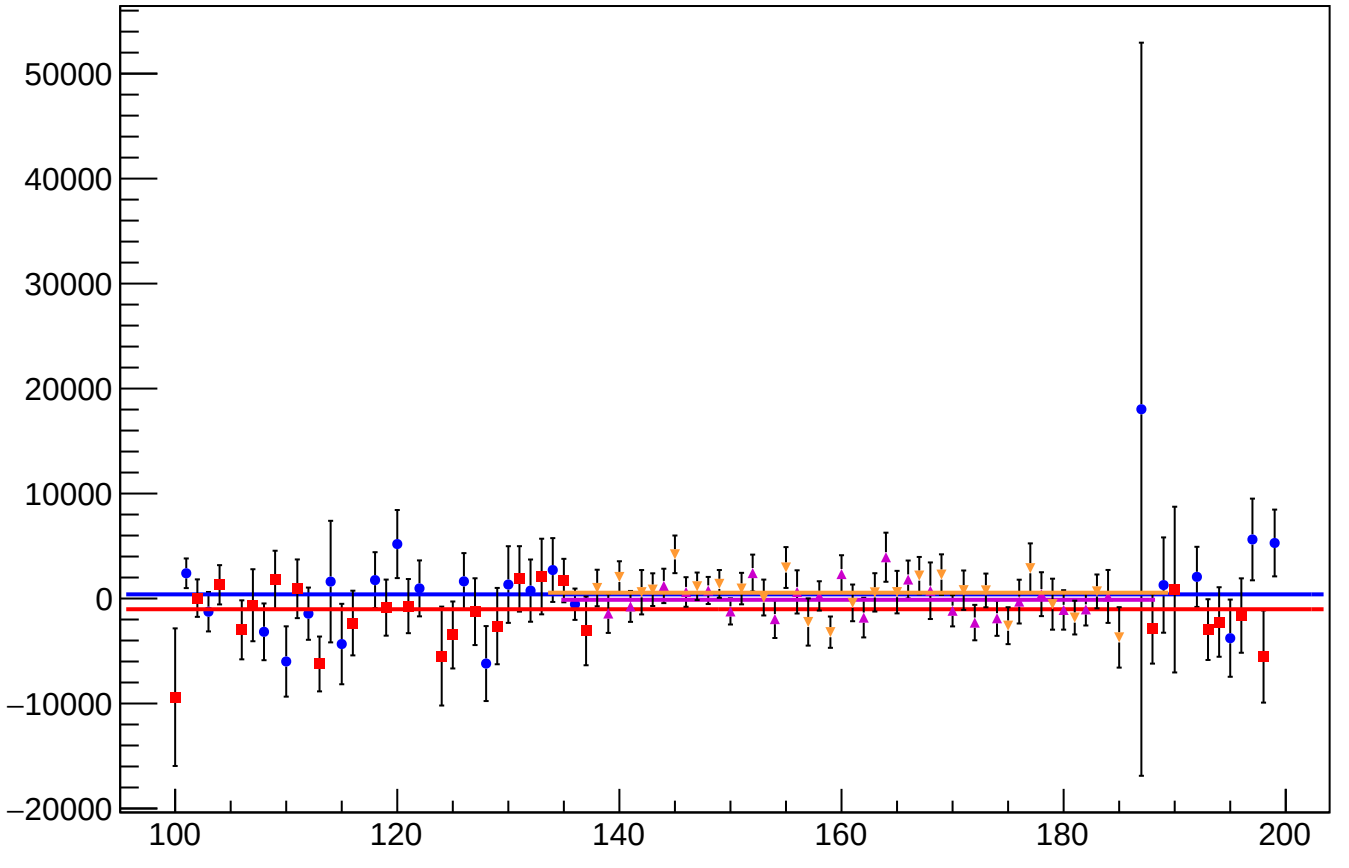
Left: 1089.851+/-0.125 χ^2/NDF: 7954.4/47

Right: 1107.172+/-0.160 χ^2/NDF: 476030.1/47

In: 1094.132+/-0.142 χ^2/NDF:107817.5/44

Out: 1098.588+/-0.138 χ^2/NDF:382889.1/50

All: 1096.422+/-0.099 χ^2/NDF: 491214.2/95



Right In: 396.703+/-575.327 χ^2/NDF: 23.6/21

Left Out: 553.759+/-347.813 χ^2/NDF:26.1/24

Right Out: -1020.381+/-586.398 χ^2/NDF: 17.2/24

Left In: -121.420+/-354.540 χ^2/NDF:17.1/22

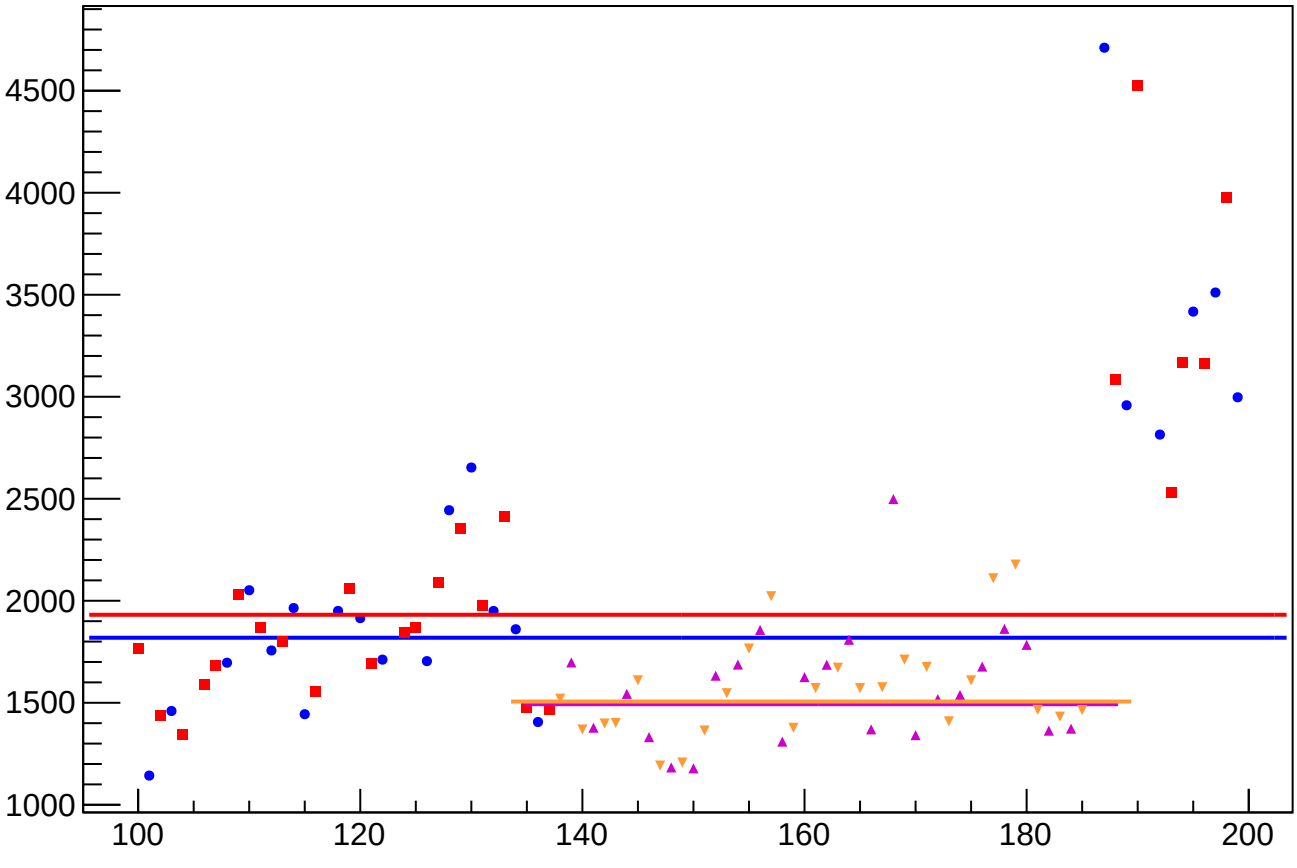
Left: 222.636+/-248.285 χ^2/NDF: 45.1/47

Right: -298.337+/-410.676 χ^2/NDF: 43.7/46

In: 21.184+/-301.832 χ^2/NDF:41.3/44

Out: 144.089+/-299.149 χ^2/NDF:48.7/49

All: 83.185+/-212.472 χ^2/NDF: 90.0/94



Right In: 1818.820+/-0.407 χ^2/NDF: 2315886.5/21

Left Out: 1506.103+/-0.246 χ^2/NDF:796401.8/24

Right Out: 1931.405+/-0.415 χ^2/NDF: 2152768.2/24

Left In: 1492.976+/-0.251 χ^2/NDF:964358.0/22

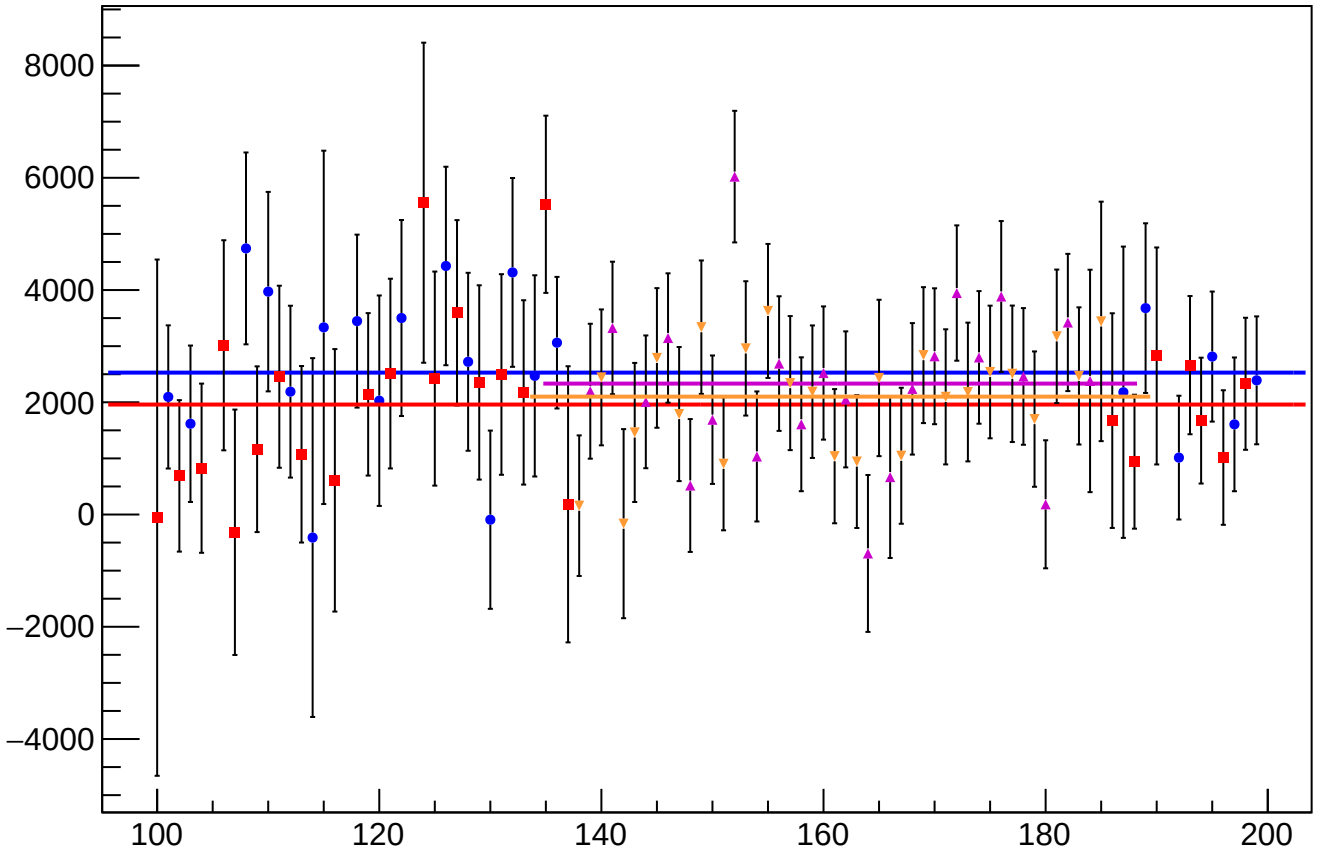
Left: 1499.665+/-0.176 χ^2/NDF: 1762156.9/47

Right: 1874.040+/-0.290 χ^2/NDF: 4506218.8/46

In: 1582.659+/-0.213 χ^2/NDF:3745207.5/44

Out: 1616.788+/-0.212 χ^2/NDF:3727431.5/49

All: 1599.876+/-0.150 χ^2/NDF: 7485538.6/94



Right In: 2528.650+/-323.073 χ^2/NDF: 13.0/21

Left Out: 2100.398+/-248.306 χ^2/NDF:13.8/24

Right Out: 1959.699+/-312.354 χ^2/NDF: 14.7/25

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

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

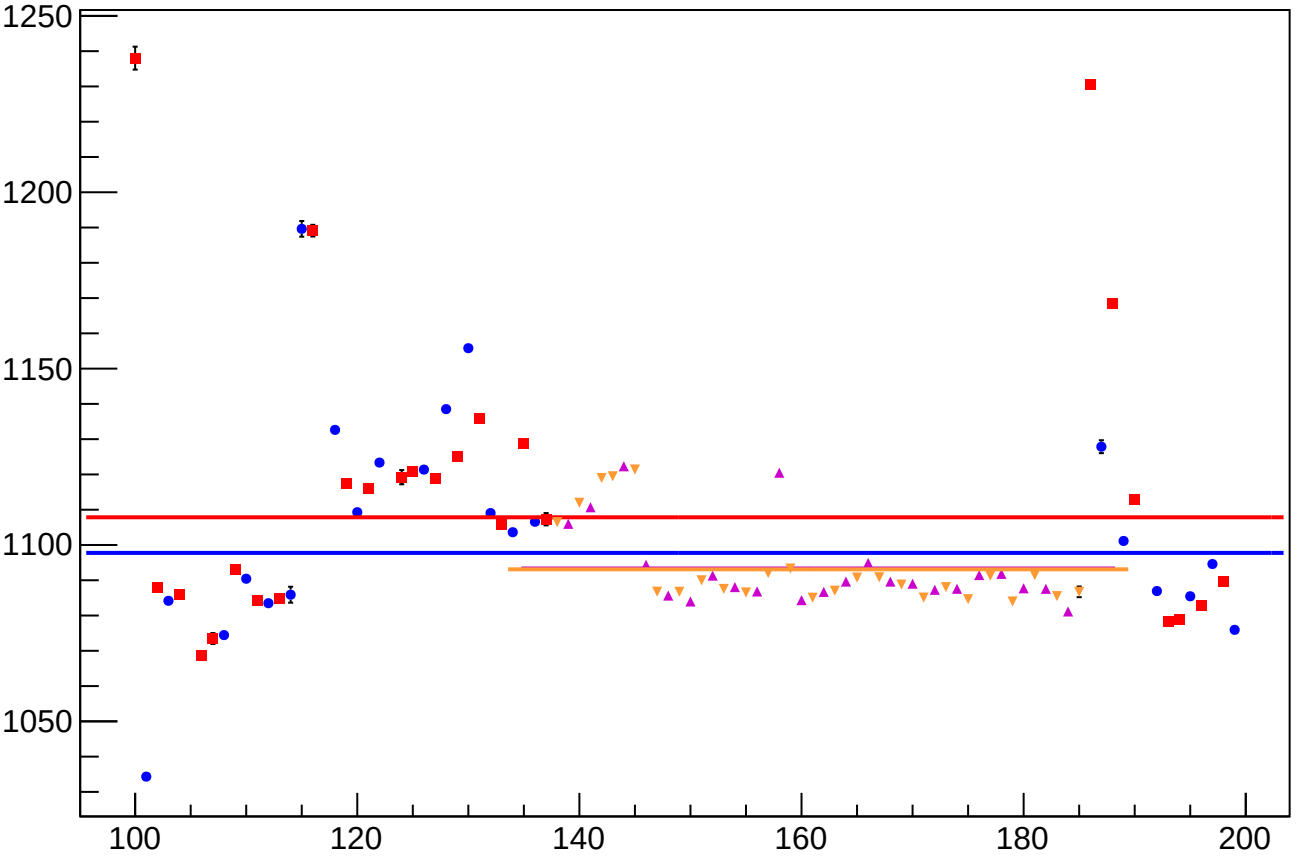
Right: 2234.579+/-224.562 χ^2/NDF: 29.2/47

In: 2408.176+/-200.300 χ^2/NDF:42.7/44

Out: 2045.914+/-194.372 χ^2/NDF:28.6/50

All: 2221.605+/-139.491 χ^2/NDF: 73.0/95

eigen_cor_asym_usr_rms vs Slug, Sign Corrected



Right In: 1097.760+/-0.228 χ^2/NDF: 14993.3/21

Left Out: 1093.102+/-0.176 χ^2/NDF:3983.2/24

Right Out: 1107.853+/-0.221 χ^2/NDF: 25914.0/25

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

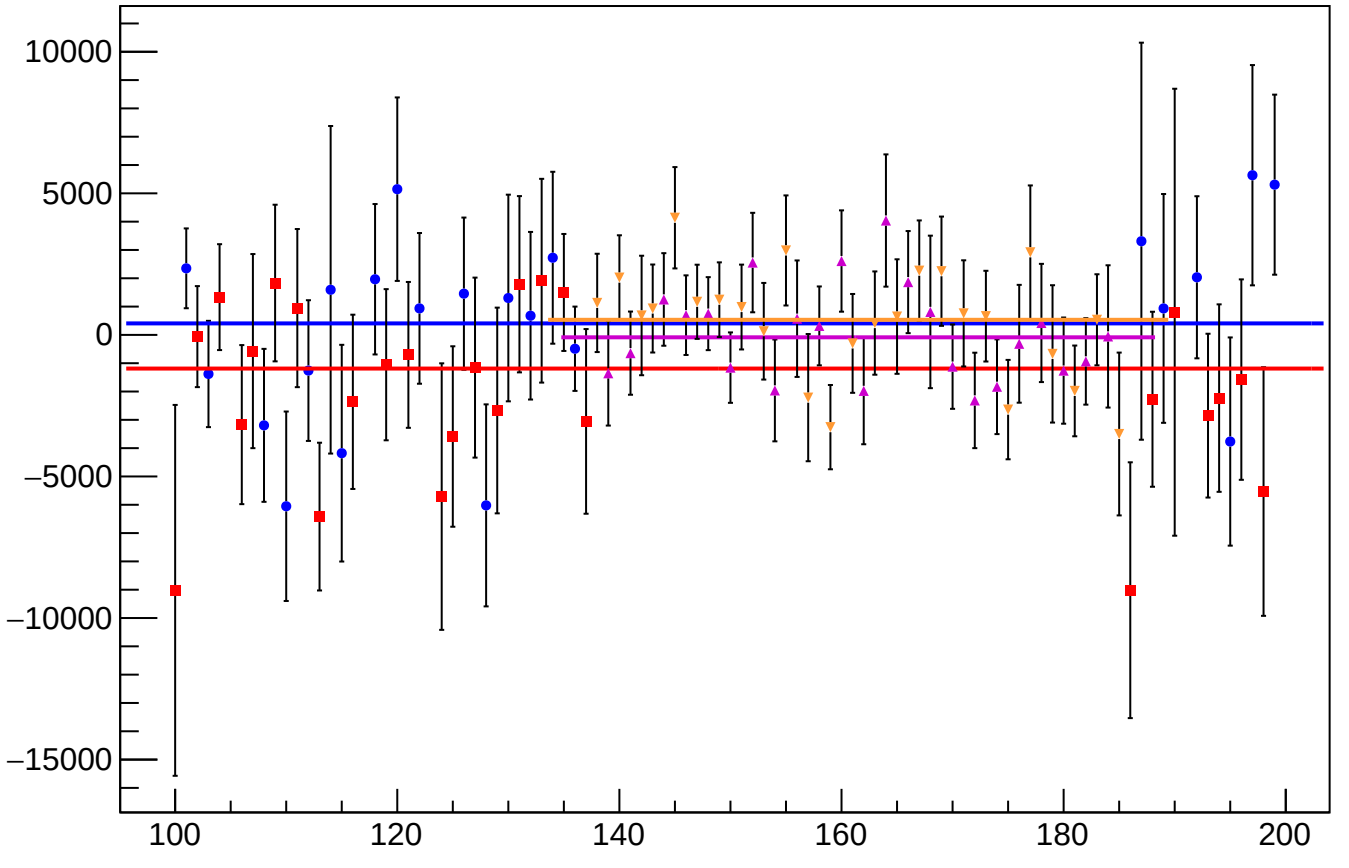
Left: 1093.217+/-0.126 χ^2/NDF: 7709.8/47

Right: 1102.976+/-0.159 χ^2/NDF: 41916.2/47

In: 1095.038+/-0.142 χ^2/NDF:18949.6/44

Out: 1098.814+/-0.137 χ^2/NDF:32630.3/50

All: 1096.983+/-0.099 χ^2/NDF: 51946.0/95



Right In: 406.171+/-571.658 χ^2/NDF: 23.2/21

Left Out: 532.982+/-347.223 χ^2/NDF:26.4/24

Right Out: -1189.000+/-579.589 χ^2/NDF: 20.1/25

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

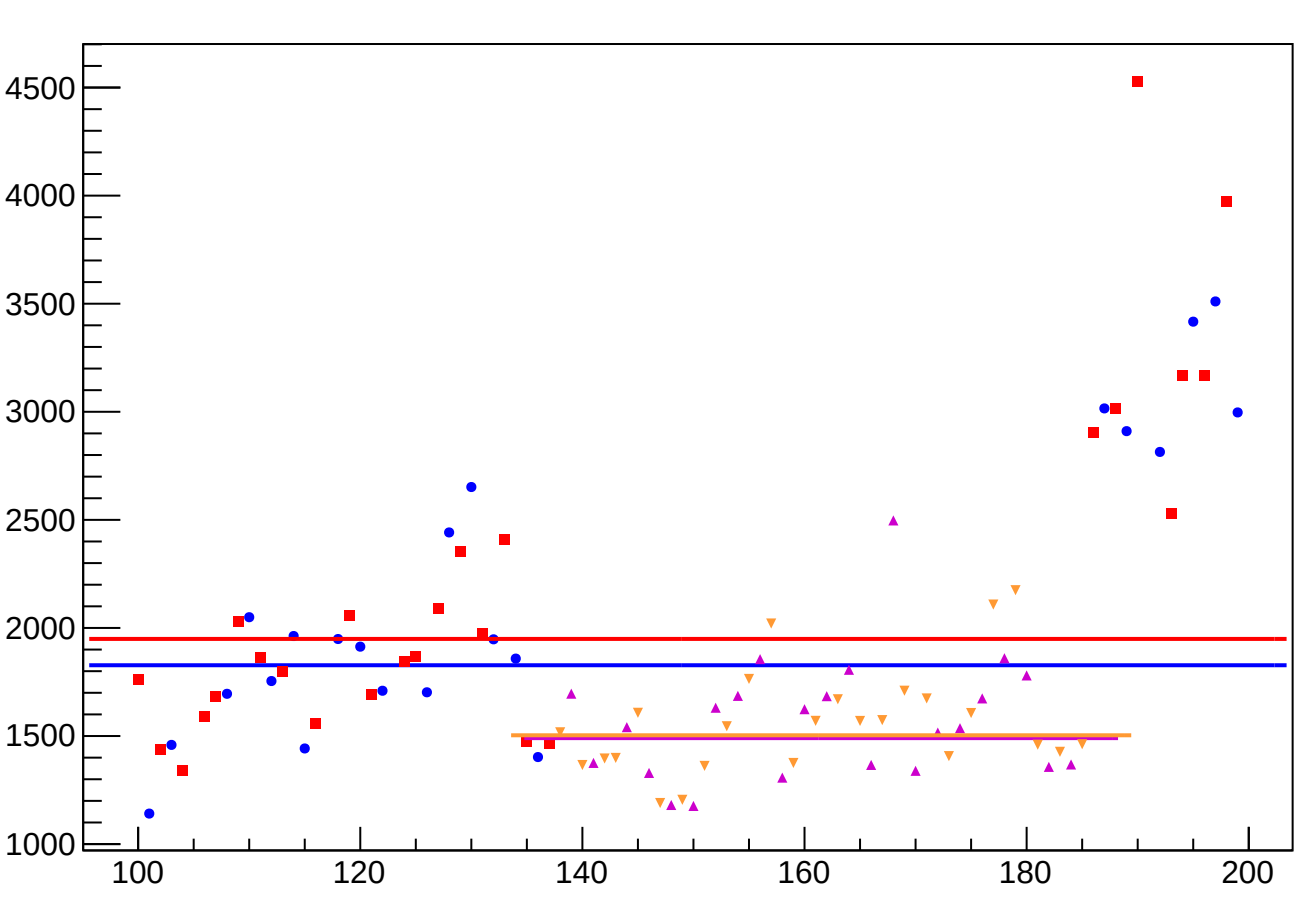
Left: 229.744+/-247.862 χ^2/NDF: 46.1/47

Right: -380.426+/-406.998 χ^2/NDF: 47.1/47

In: 50.868+/-300.925 χ^2/NDF:41.8/44

Out: 78.187+/-297.861 χ^2/NDF:53.0/50

All: 64.667+/-211.695 χ^2/NDF: 94.8/95



Right In: 1827.473+/-0.404 χ^2/NDF: 2386564.2/21

Left Out: 1503.437+/-0.246 χ^2/NDF:799670.9/24

Right Out: 1949.236+/-0.410 χ^2/NDF: 2258869.4/25

Left In: 1490.314+/-0.250 χ^2/NDF:968221.5/22

Left: 1497.001+/-0.175 χ^2/NDF: 1769293.4/47

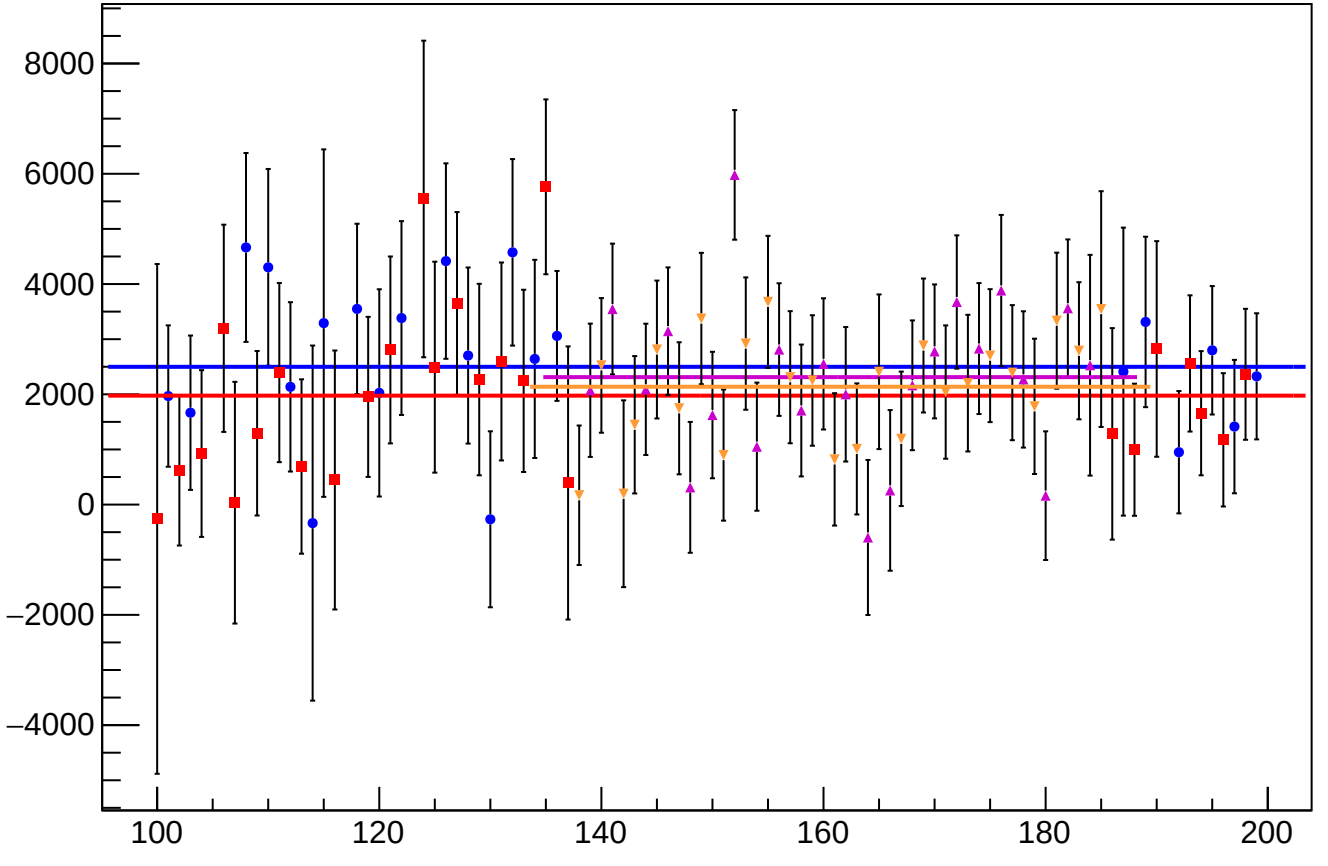
Right: 1887.516+/-0.288 χ^2/NDF: 4690177.8/47

In: 1583.743+/-0.213 χ^2/NDF:3857707.1/44

Out: 1621.178+/-0.211 χ^2/NDF:3929263.3/50

All: 1602.652+/-0.150 χ^2/NDF: 7802603.8/95

dit_asym_usr_mean vs Slug, Sign Corrected



Right In: 2498.704+/-325.017 χ^2/NDF: 13.9/21

Left Out: 2137.184+/-250.195 χ^2/NDF:13.9/24

Right Out: 1975.899+/-313.948 χ^2/NDF: 15.3/25

Left In: 2311.761+/-257.036 χ^2/NDF:29.9/22

Left: 2222.119+/-179.284 χ^2/NDF: 44.1/47

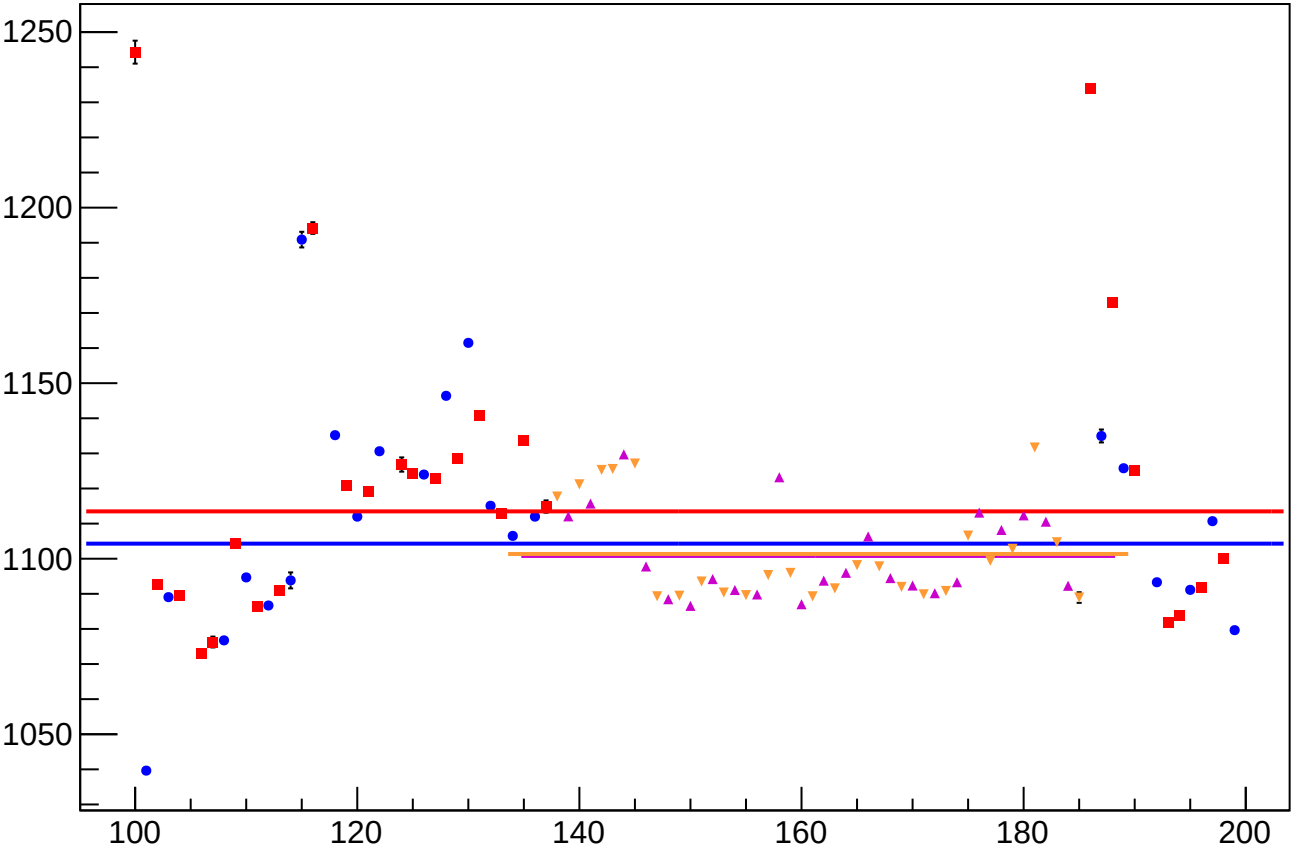
Right: 2228.247+/-225.806 χ^2/NDF: 30.5/47

In: 2383.692+/-201.609 χ^2/NDF:44.0/44

Out: 2074.539+/-195.662 χ^2/NDF:29.4/50

All: 2224.488+/-140.409 χ^2/NDF: 74.6/95

dit_asym_usr_rms vs Slug, Sign Corrected



Right In: 1104.291+/-0.230 χ^2/NDF: 15449.6/21

Left Out: 1101.353+/-0.177 χ^2/NDF:5950.6/24

Right Out: 1113.481+/-0.222 χ^2/NDF: 25178.7/25

Left In: 1100.792+/-0.182 χ^2/NDF:4641.7/22

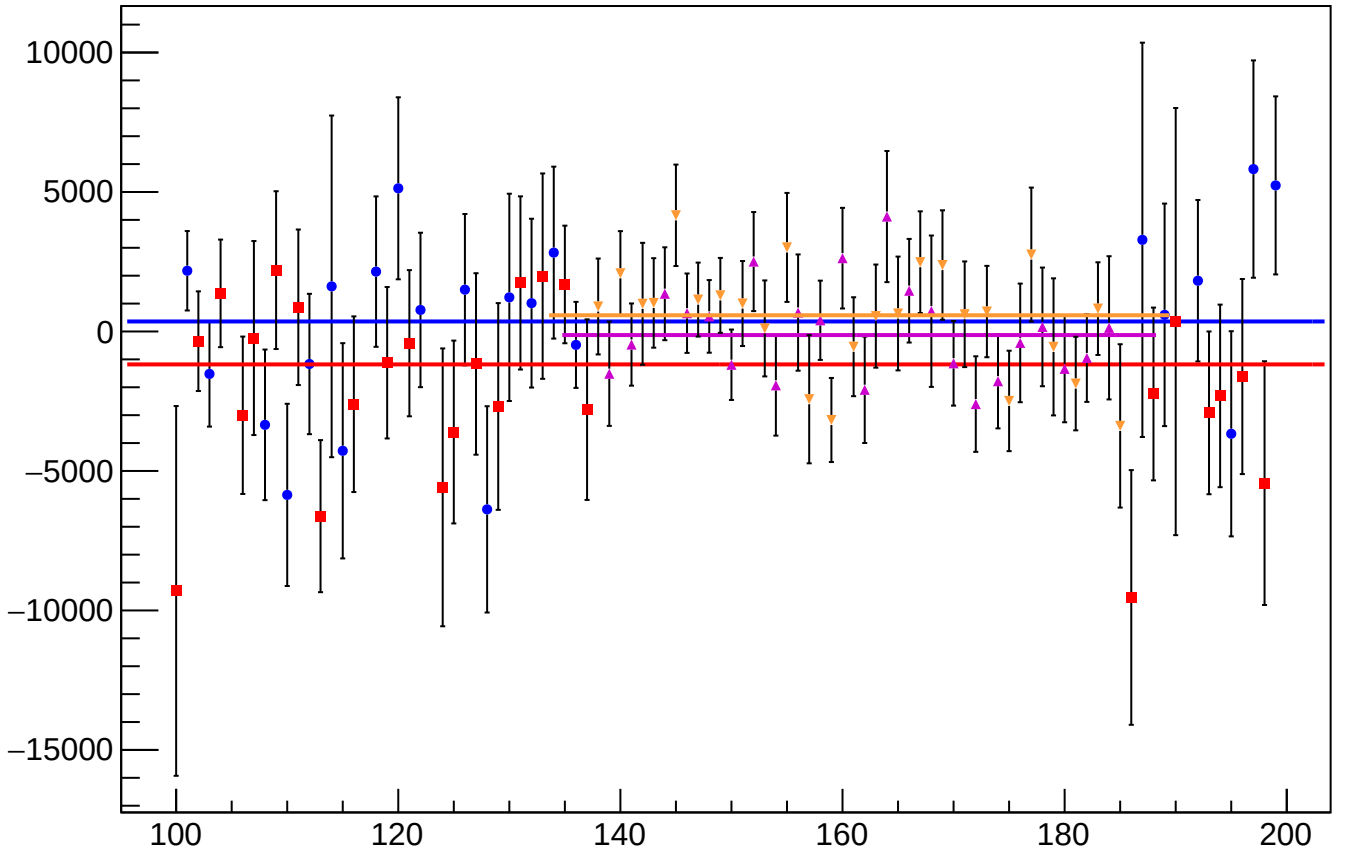
Left: 1101.080+/-0.127 χ^2/NDF: 10597.2/47

Right: 1109.045+/-0.160 χ^2/NDF: 41455.4/47

In: 1102.139+/-0.143 χ^2/NDF:20233.9/44

Out: 1106.064+/-0.138 χ^2/NDF:32954.6/50

All: 1104.160+/-0.099 χ^2/NDF: 53578.9/95



Right In: 359.002+/-579.725 χ^2/NDF: 23.0/21

Left Out: 581.427+/-353.389 χ^2/NDF:25.4/24

Right Out: -1180.216+/-587.480 χ^2/NDF: 20.4/25

Left In: -128.769+/-359.128 χ^2/NDF:17.9/22

Left: 232.050+/-251.888 χ^2/NDF: 45.2/47

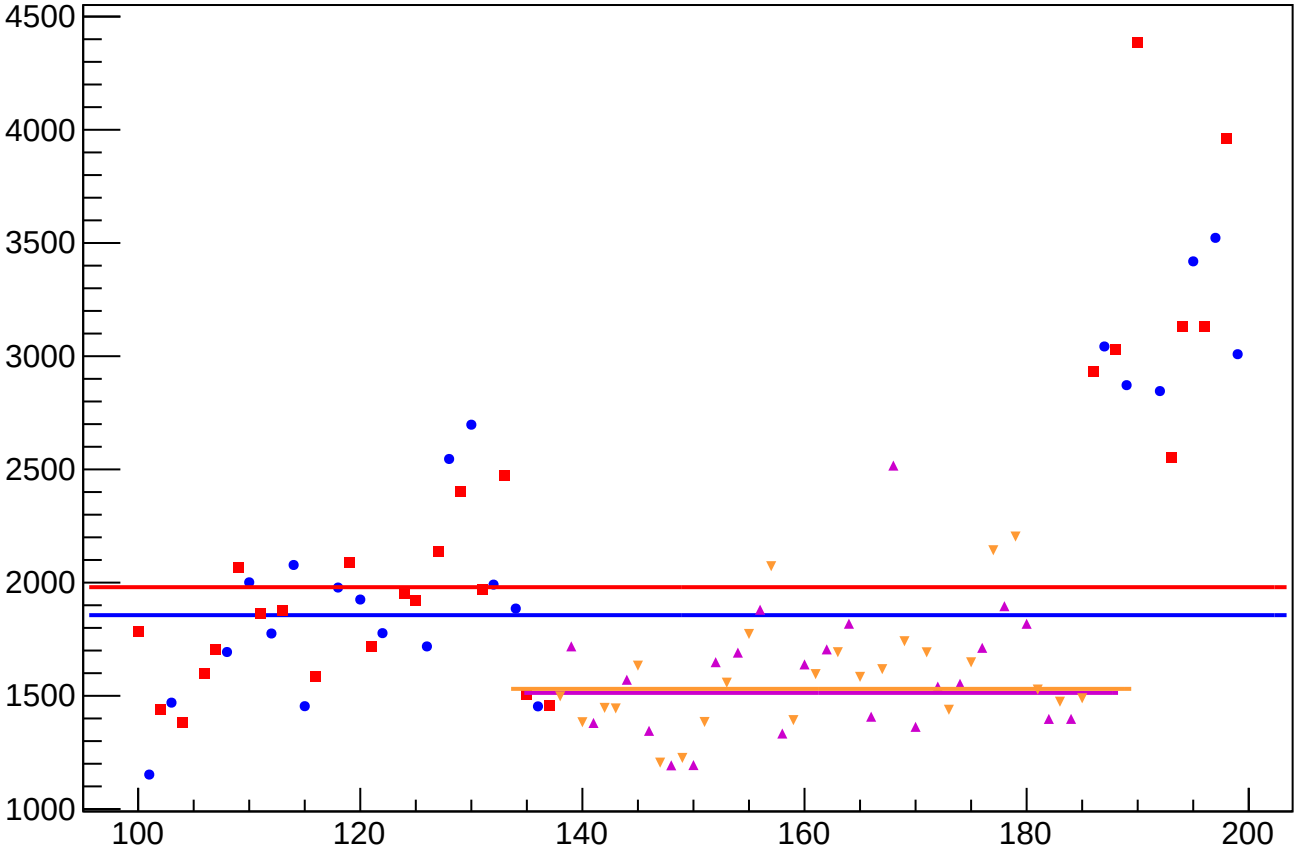
Right: -400.381+/-412.642 χ^2/NDF: 46.9/47

In: 6.504+/-305.295 χ^2/NDF:41.4/44

Out: 113.358+/-302.823 χ^2/NDF:52.3/50

All: 60.365+/-214.997 χ^2/NDF: 93.8/95

asym_usr_dit_correction_rms vs Slug, Sign Corrected



Right In: 1856.276+/-0.410 χ^2/NDF: 2343342.3/21

Left Out: 1530.764+/-0.250 χ^2/NDF:795634.5/24

Right Out: 1979.861+/-0.415 χ^2/NDF: 2175860.2/25

Left In: 1512.947+/-0.254 χ^2/NDF:957059.5/22

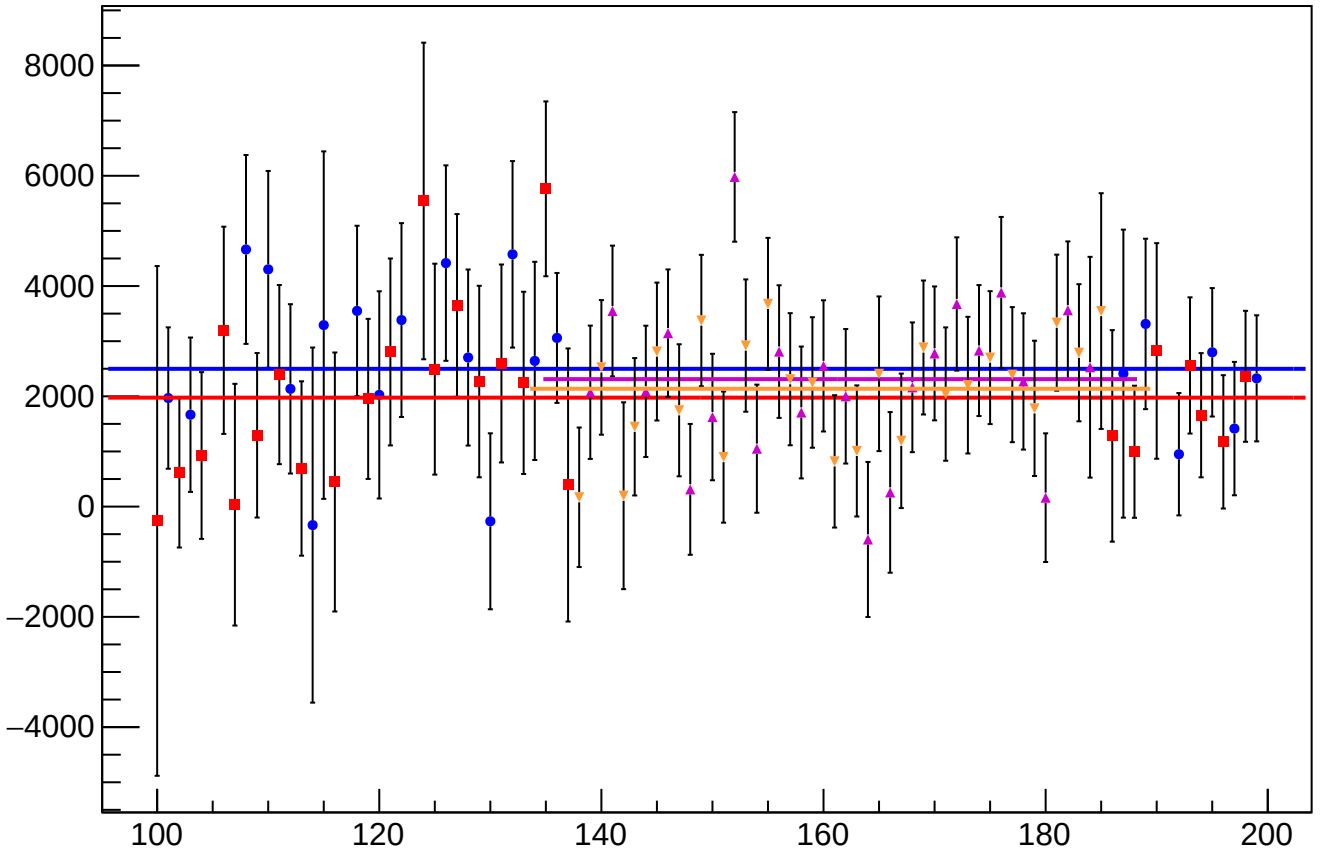
Left: 1521.999+/-0.178 χ^2/NDF: 1755195.1/47

Right: 1917.248+/-0.292 χ^2/NDF: 4564043.8/47

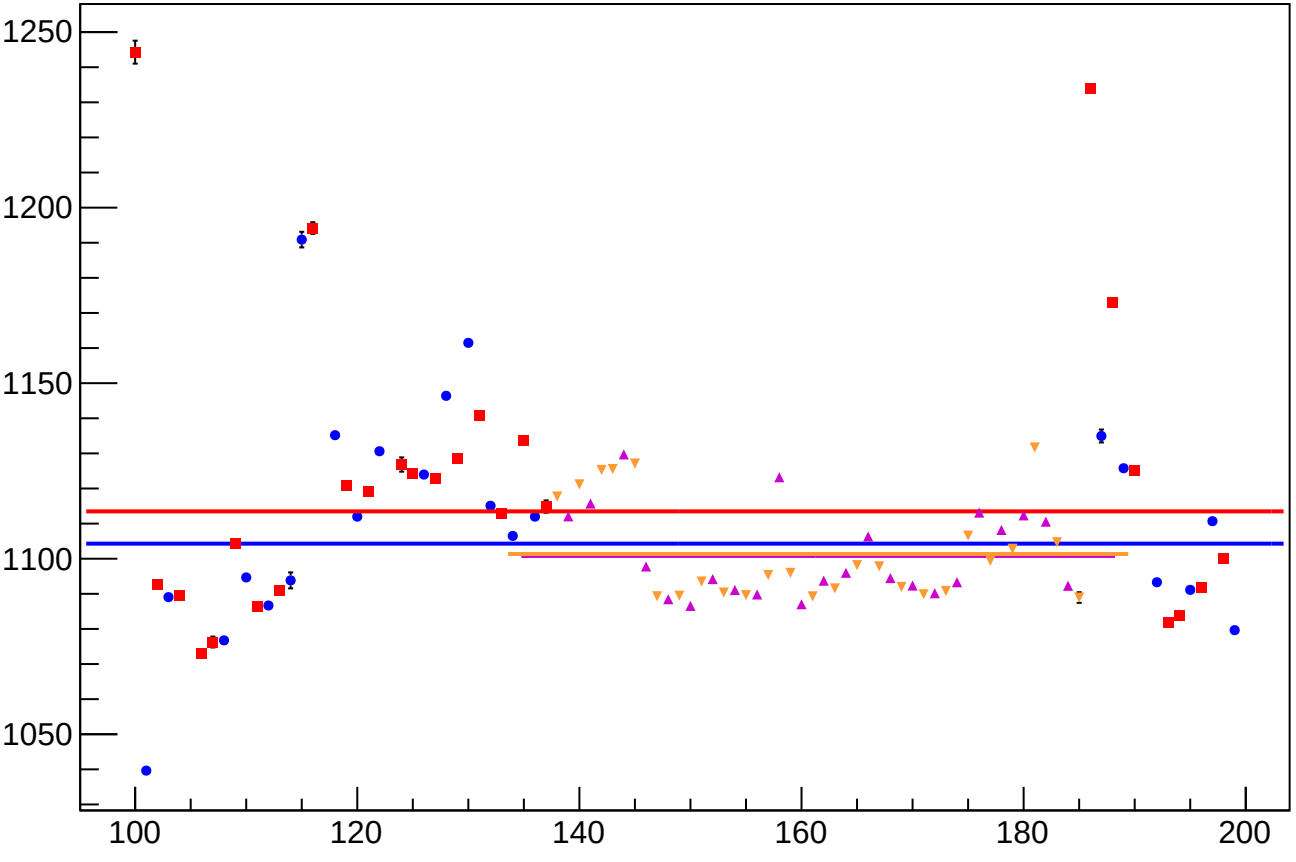
In: 1608.162+/-0.216 χ^2/NDF:3807332.2/44

Out: 1650.090+/-0.214 χ^2/NDF:3829712.4/50

All: 1629.296+/-0.152 χ^2/NDF: 7656058.6/95


eigen_dit_asym_usr_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
100
120
140
160
180
200
Right In: 2498.702+/-325.017 χ²/NDF: 13.9/21
Left Out: 2137.182+/-250.195 χ²/NDF:13.9/24
Right Out: 1975.899+/-313.947 χ²/NDF: 15.3/25
Left In: 2311.761+/-257.036 χ²/NDF:29.9/22
Left: 2222.118+/-179.284 χ²/NDF: 44.1/47
Right: 2228.246+/-225.806 χ²/NDF: 30.5/47
In: 2383.692+/-201.609 χ²/NDF:44.0/44
Out: 2074.537+/-195.662 χ²/NDF:29.4/50
All: 2224.487+/-140.409 χ²/NDF: 74.6/95

eigen_dit_asym_usr_rms vs Slug, Sign Corrected



Right In: 1104.291+/-0.230 χ^2/NDF: 15449.5/21

Left Out: 1101.353+/-0.177 χ^2/NDF:5950.6/24

Right Out: 1113.481+/-0.222 χ^2/NDF: 25178.7/25

Left In: 1100.792+/-0.182 χ^2/NDF:4641.7/22

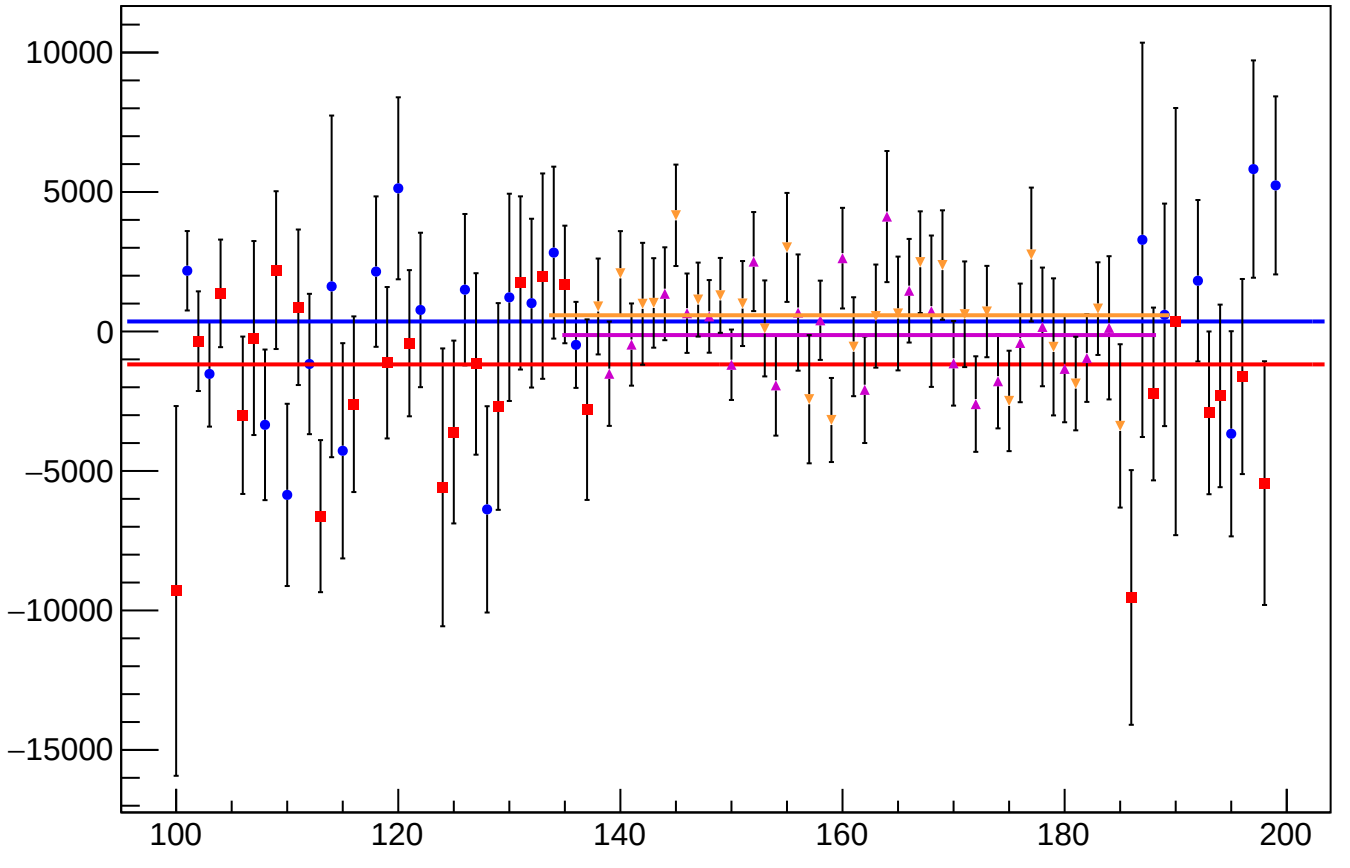
Left: 1101.081+/-0.127 χ^2/NDF: 10597.2/47

Right: 1109.045+/-0.160 χ^2/NDF: 41455.3/47

In: 1102.139+/-0.143 χ^2/NDF:20233.8/44

Out: 1106.064+/-0.138 χ^2/NDF:32954.5/50

All: 1104.160+/-0.099 χ^2/NDF: 53578.8/95



Right In: 358.998+/-579.725 χ^2/NDF: 23.0/21

Left Out: 581.426+/-353.390 χ^2/NDF:25.4/24

Right Out: -1180.217+/-587.479 χ^2/NDF: 20.4/25

Left In: -128.769+/-359.129 χ^2/NDF:17.9/22

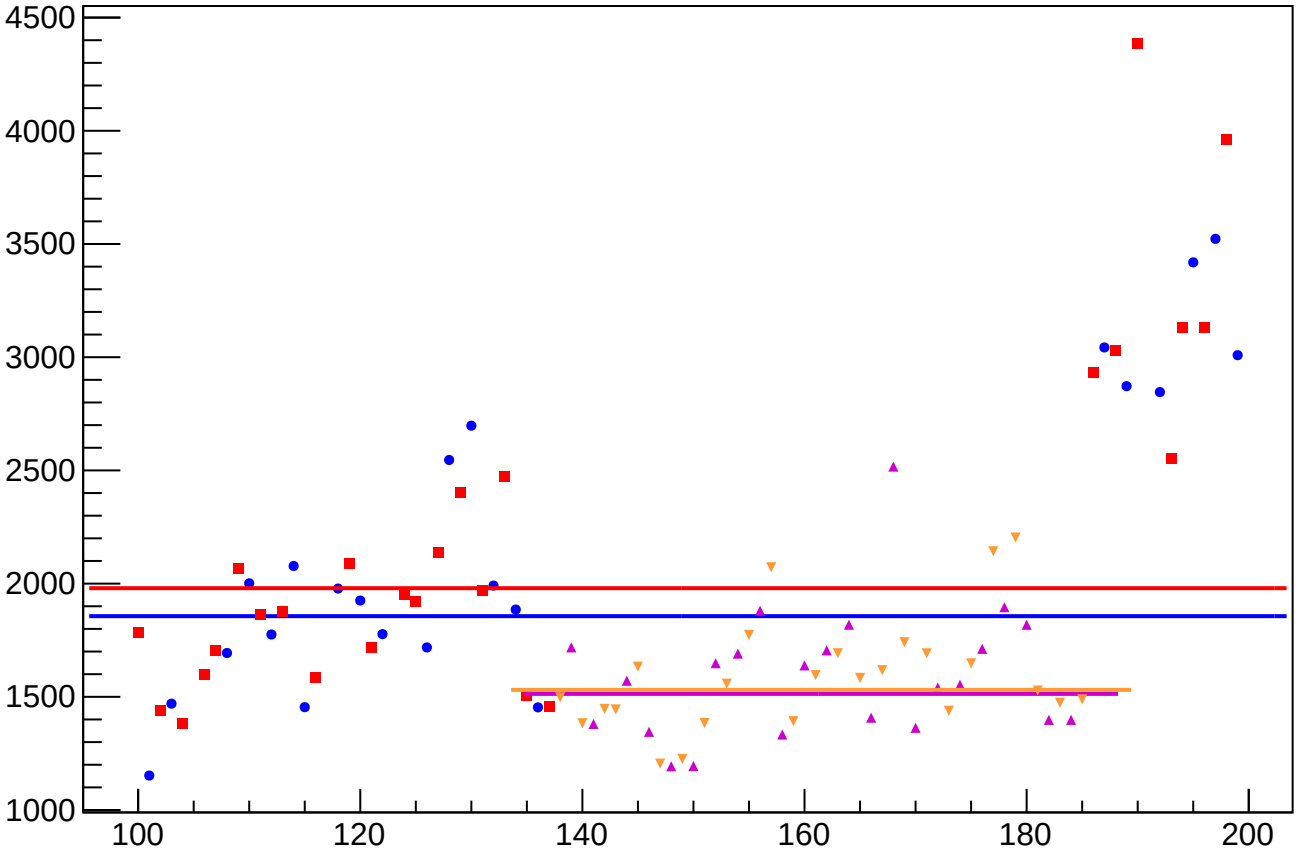
Left: 232.049+/-251.889 χ^2/NDF: 45.2/47

Right: -400.384+/-412.642 χ^2/NDF: 46.9/47

In: 6.503+/-305.296 χ^2/NDF:41.4/44

Out: 113.354+/-302.824 χ^2/NDF:52.3/50

All: 60.363+/-214.997 χ^2/NDF: 93.8/95



Right In: 1856.274+/-0.410 χ^2/NDF: 2343336.1/21

Left Out: 1530.768+/-0.250 χ^2/NDF:795638.4/24

Right Out: 1979.860+/-0.415 χ^2/NDF: 2175848.4/25

Left In: 1512.951+/-0.254 χ^2/NDF:957065.2/22

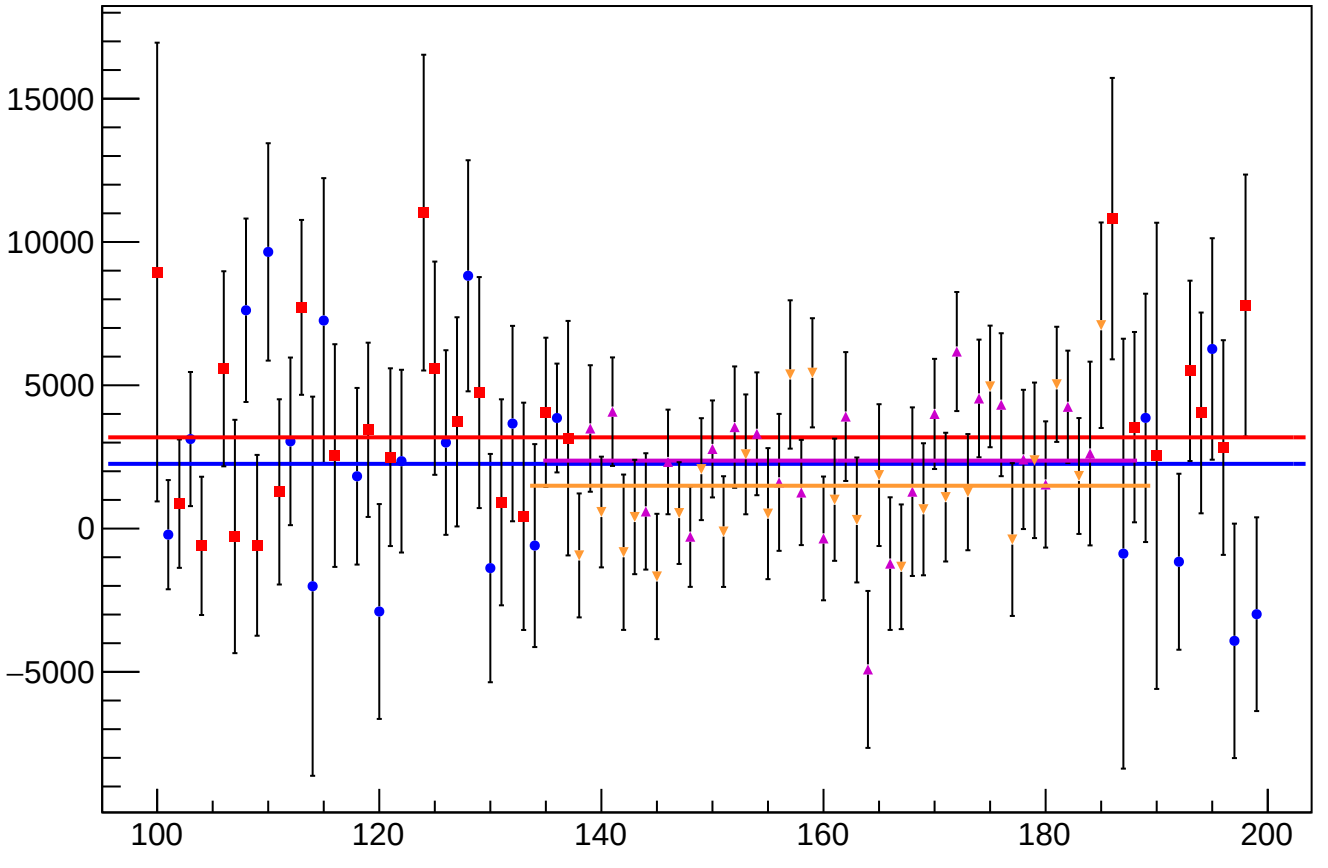
Left: 1522.003+/-0.178 χ^2/NDF: 1755204.7/47

Right: 1917.246+/-0.292 χ^2/NDF: 4564026.2/47

In: 1608.165+/-0.216 χ^2/NDF:3807314.1/44

Out: 1650.093+/-0.214 χ^2/NDF:3829683.0/50

All: 1629.299+/-0.152 χ^2/NDF: 7656011.4/95



Right In: 2258.503+/-684.242 χ^2/NDF: 24.2/21

Left Out: 1495.022+/-433.196 χ^2/NDF:23.8/24

Right Out: 3183.644+/-681.316 χ^2/NDF: 17.0/25

Left In: 2370.694+/-442.952 χ^2/NDF:23.7/22

Left: 1923.108+/-309.708 χ^2/NDF: 49.5/47

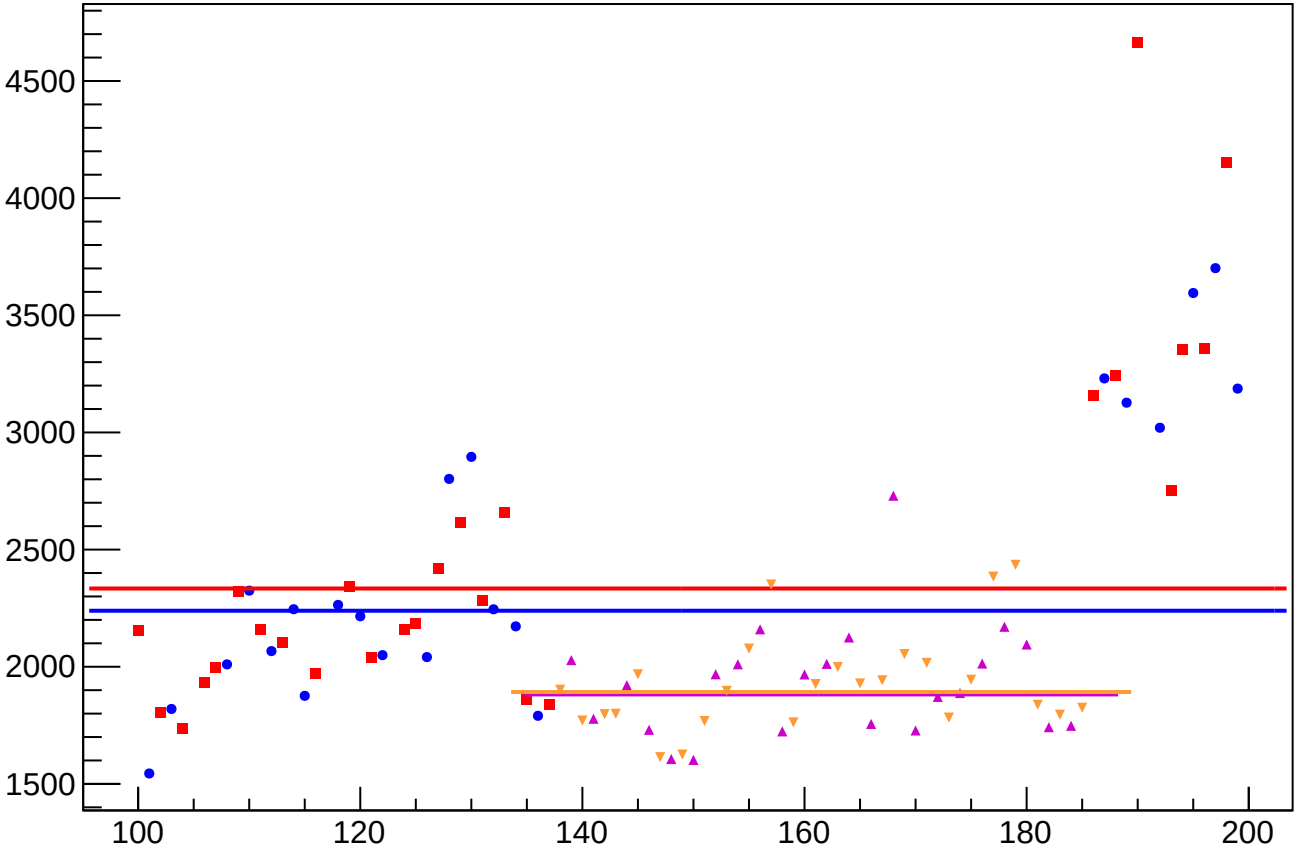
Right: 2723.055+/-482.794 χ^2/NDF: 42.1/47

In: 2337.562+/-371.838 χ^2/NDF:47.9/44

Out: 1981.153+/-365.560 χ^2/NDF:45.1/50

All: 2156.323+/-260.681 χ^2/NDF: 93.5/95

asym_usr_rms vs Slug, Sign Corrected



Right In: 2239.042+/-0.484 χ^2/NDF: 1486810.3/21

Left Out: 1892.117+/-0.306 χ^2/NDF:389648.0/24

Right Out: 2333.963+/-0.482 χ^2/NDF: 1496916.6/25

Left In: 1881.892+/-0.313 χ^2/NDF:462659.6/22

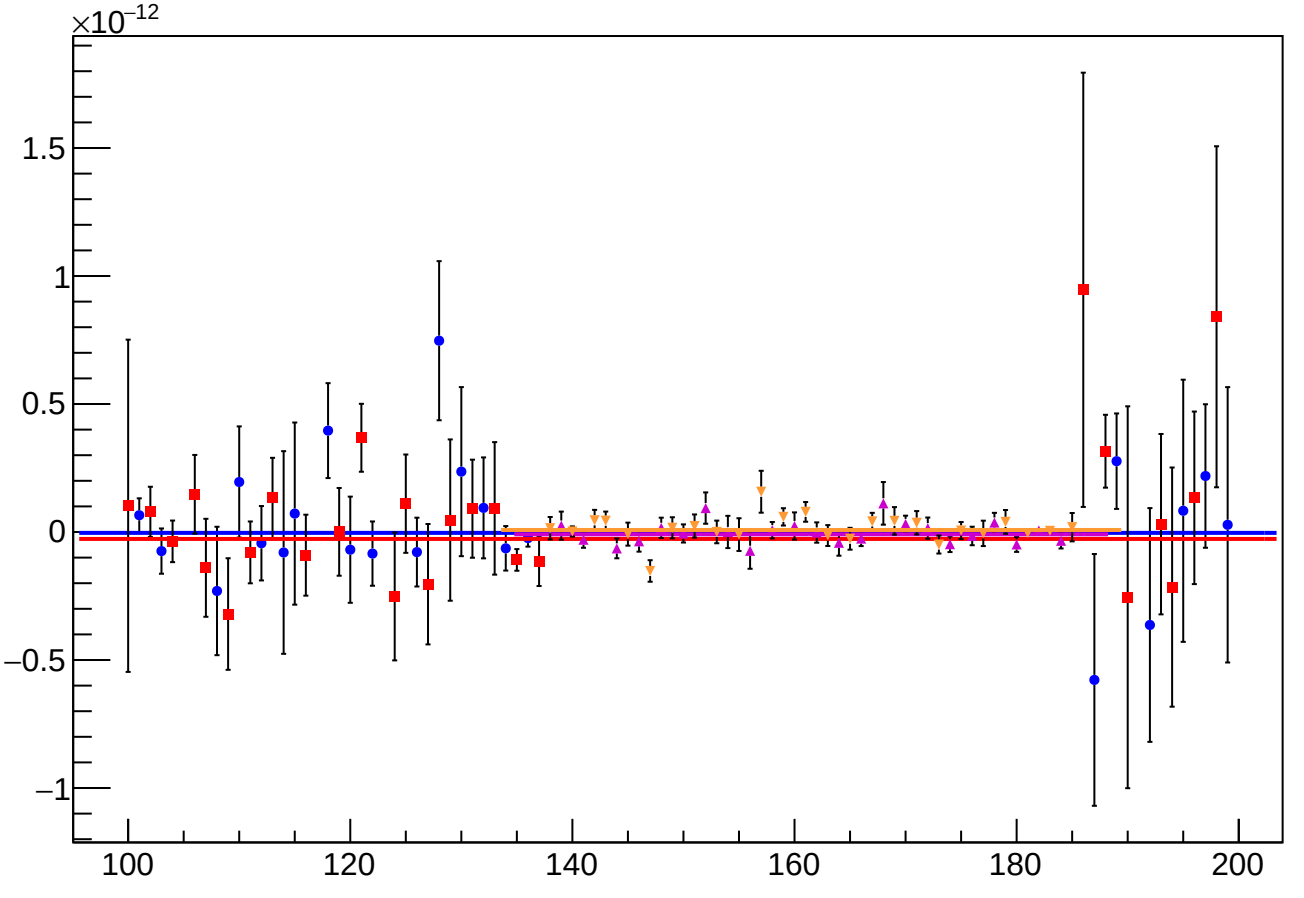
Left: 1887.118+/-0.219 χ^2/NDF: 852852.3/47

Right: 2286.706+/-0.341 χ^2/NDF: 3003053.8/47

In: 1987.364+/-0.263 χ^2/NDF:2333449.3/44

Out: 2019.318+/-0.258 χ^2/NDF:2485562.5/50

All: 2003.613+/-0.184 χ^2/NDF: 4826522.4/95



Right In: -0.000+/-0.000 χ^2/NDF: 21.4/21

Left Out: 0.000+/-0.000 χ^2/NDF:32.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 31.4/25

Left In: -0.000+/-0.000 χ^2/NDF:19.1/22

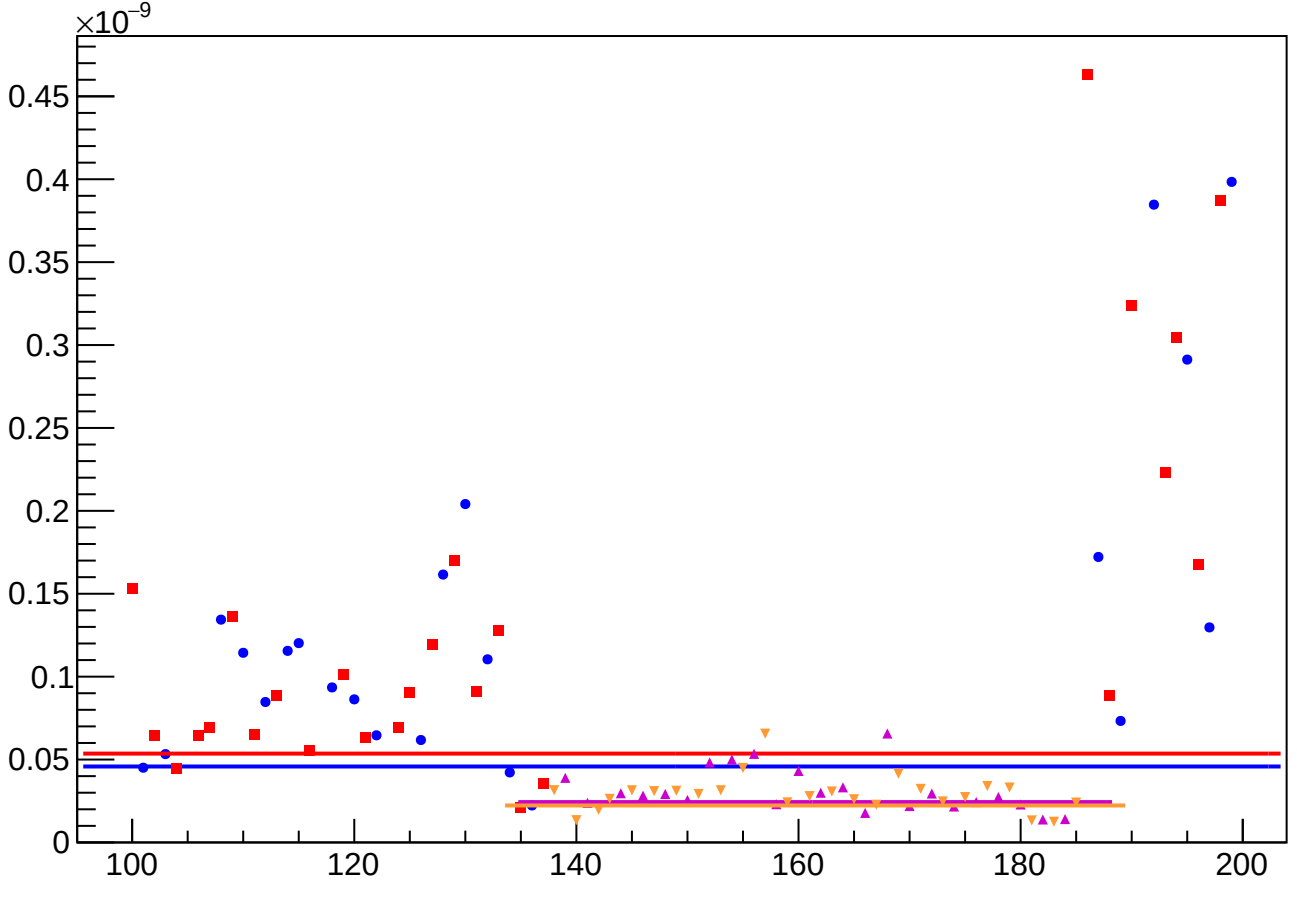
Left: 0.000+/-0.000 χ^2/NDF: 54.2/47

Right: -0.000+/-0.000 χ^2/NDF: 53.2/47

In: -0.000+/-0.000 χ^2/NDF:40.5/44

Out: 0.000+/-0.000 χ^2/NDF:65.4/50

All: -0.000+/-0.000 χ^2/NDF: 108.1/95



Right In: 0.000+/-0.000 χ^2/NDF: 5753715.1/21

Left Out: 0.000+/-0.000 χ^2/NDF:3629538.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5300283.9/25

Left In: 0.000+/-0.000 χ^2/NDF:3124271.4/22

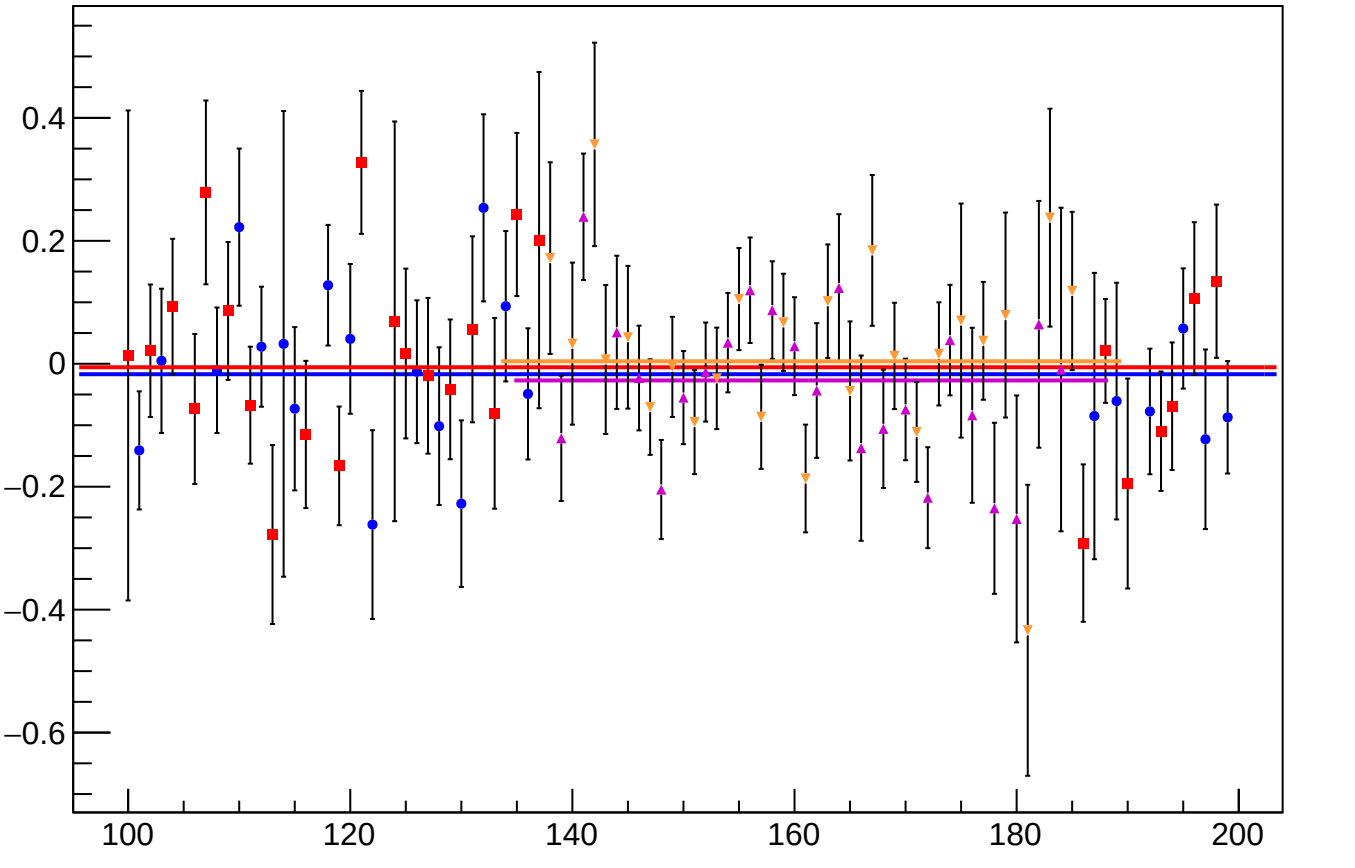
Left: 0.000+/-0.000 χ^2/NDF: 6833582.6/47

Right: 0.000+/-0.000 χ^2/NDF: 11149850.3/47

In: 0.000+/-0.000 χ^2/NDF:10348977.7/44

Out: 0.000+/-0.000 χ^2/NDF:11579238.0/50

All: 0.000+/-0.000 χ^2/NDF: 22008709.6/95



Right In: -0.017+/-0.026 χ^2/NDF: 19.6/21

Left Out: 0.004+/-0.020 χ^2/NDF:28.2/24

Right Out: -0.006+/-0.024 χ^2/NDF: 35.8/25

Left In: -0.027+/-0.021 χ^2/NDF:32.0/22

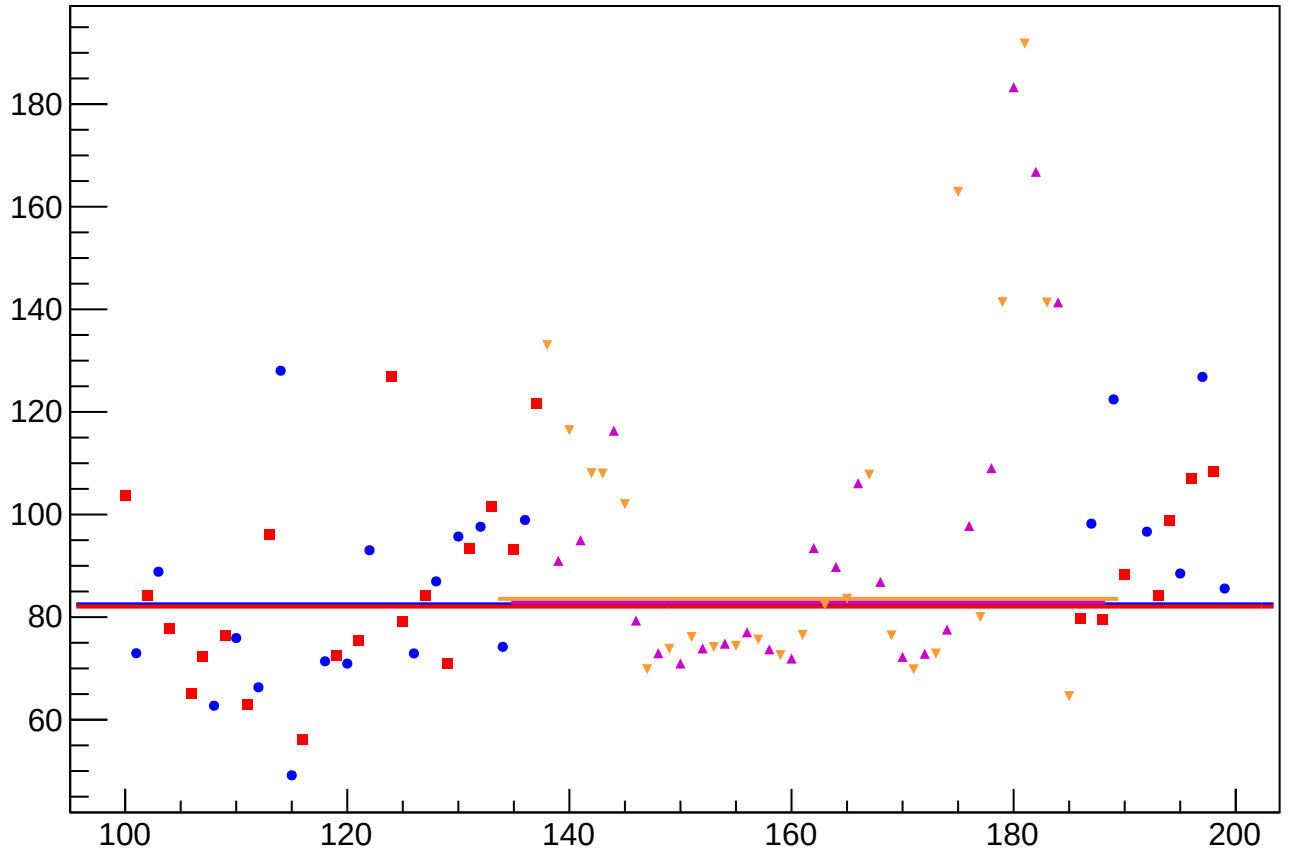
Left: -0.011+/-0.014 χ^2/NDF: 61.3/47

Right: -0.011+/-0.018 χ^2/NDF: 55.5/47

In: -0.023+/-0.016 χ^2/NDF:51.7/44

Out: 0.000+/-0.016 χ^2/NDF:64.0/50

All: -0.011+/-0.011 χ^2/NDF: 116.8/95



Right In: 82.495+/-0.018 χ^2/NDF: 807626.3/21

Left Out: 83.564+/-0.014 χ^2/NDF:2172931.4/24

Right Out: 82.054+/-0.017 χ^2/NDF: 664634.6/25

Left In: 82.891+/-0.015 χ^2/NDF:1573003.1/22

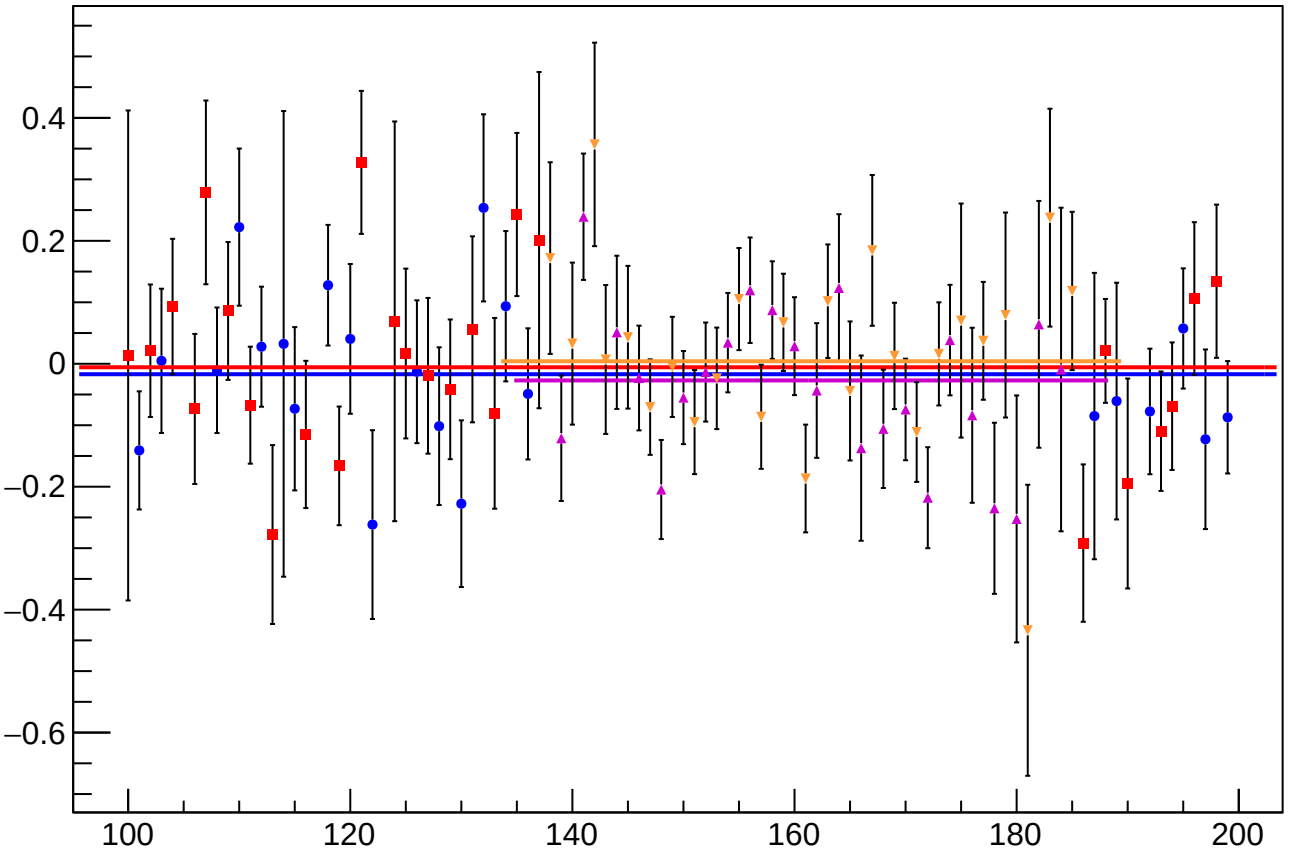
Left: 83.231+/-0.010 χ^2/NDF: 3747022.5/47

Right: 82.262+/-0.012 χ^2/NDF: 1472572.1/47

In: 82.736+/-0.011 χ^2/NDF:2380919.4/44

Out: 82.943+/-0.011 χ^2/NDF:2842117.8/50

All: 82.843+/-0.008 χ^2/NDF: 5223209.0/95



Right In: -0.017+/-0.026 χ^2/NDF: 19.6/21

Left Out: 0.004+/-0.020 χ^2/NDF:28.2/24

Right Out: -0.006+/-0.024 χ^2/NDF: 35.8/25

Left In: -0.027+/-0.021 χ^2/NDF:32.0/22

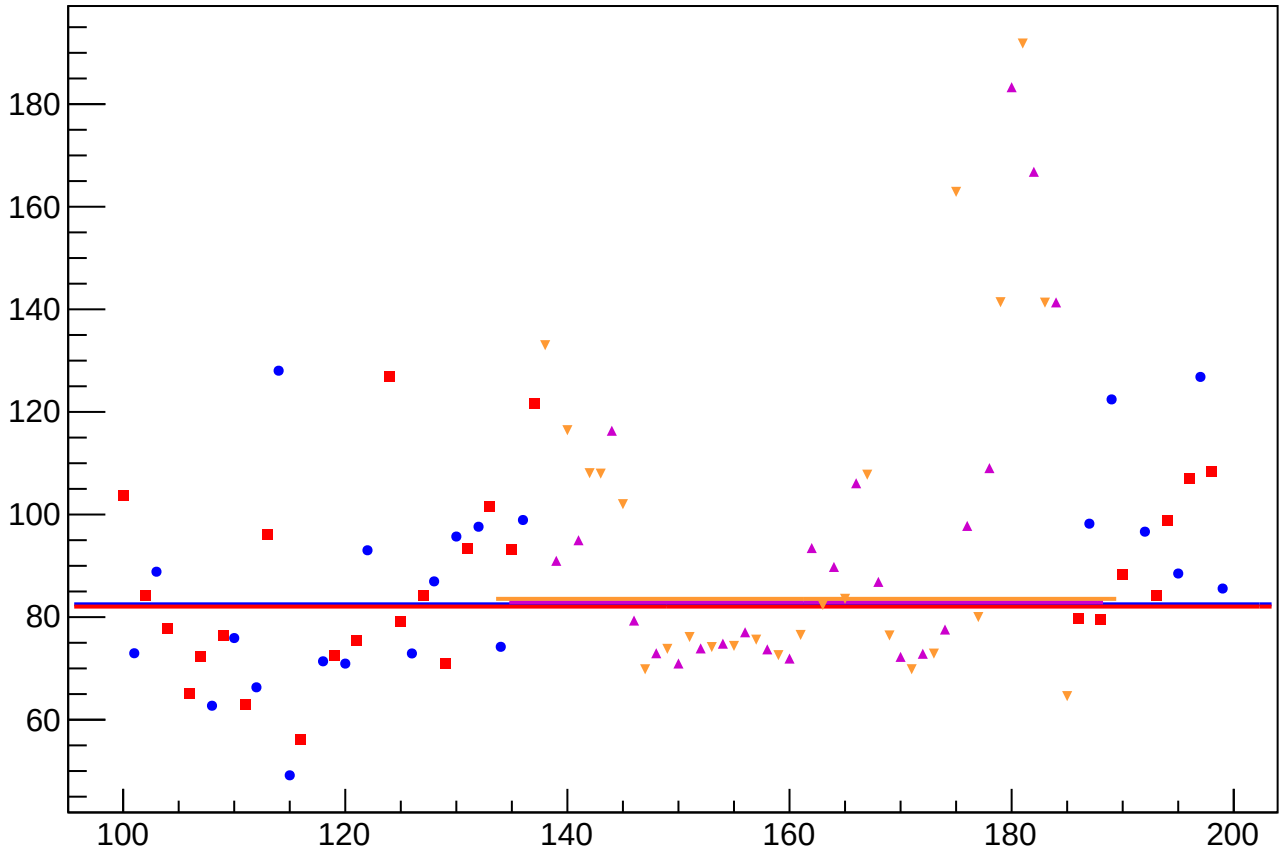
Left: -0.011+/-0.014 χ^2/NDF: 61.3/47

Right: -0.011+/-0.018 χ^2/NDF: 55.5/47

In: -0.023+/-0.016 χ^2/NDF:51.7/44

Out: 0.000+/-0.016 χ^2/NDF:64.0/50

All: -0.011+/-0.011 χ^2/NDF: 116.8/95



Right In: 82.495+/-0.018 χ^2/NDF: 807626.3/21

Left Out: 83.564+/-0.014 χ^2/NDF:2172931.4/24

Right Out: 82.054+/-0.017 χ^2/NDF: 664634.6/25

Left In: 82.891+/-0.015 χ^2/NDF:1573003.1/22

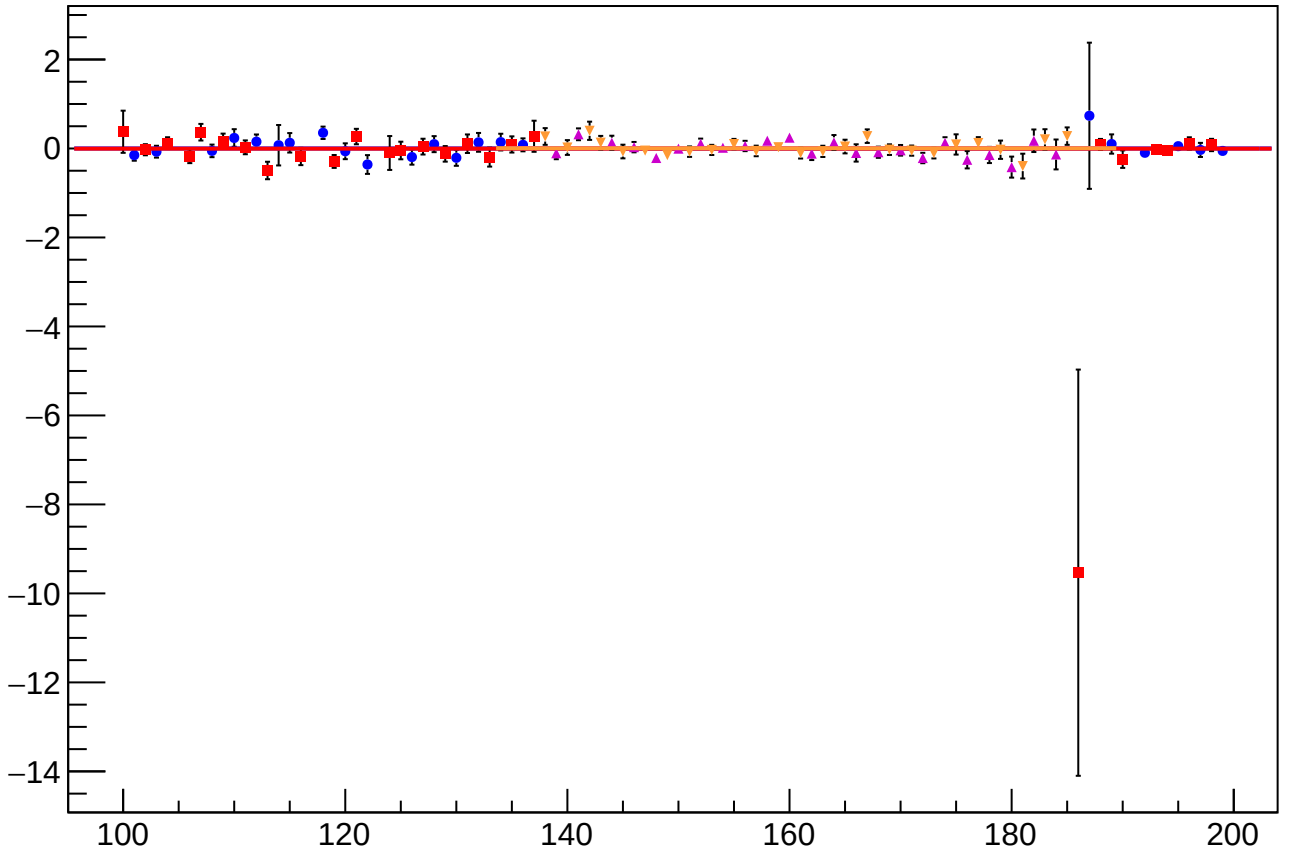
Left: 83.231+/-0.010 χ^2/NDF: 3747022.5/47

Right: 82.262+/-0.012 χ^2/NDF: 1472572.1/47

In: 82.736+/-0.011 χ^2/NDF:2380919.4/44

Out: 82.943+/-0.011 χ^2/NDF:2842117.8/50

All: 82.843+/-0.008 χ^2/NDF: 5223209.0/95



Right In: 0.001+/-0.034 χ^2/NDF: 20.0/21

Left Out: 0.006+/-0.028 χ^2/NDF:21.3/24

Right Out: -0.004+/-0.032 χ^2/NDF: 31.5/25

Left In: 0.010+/-0.028 χ^2/NDF:31.3/22

Left: 0.008+/-0.020 χ^2/NDF: 52.6/47

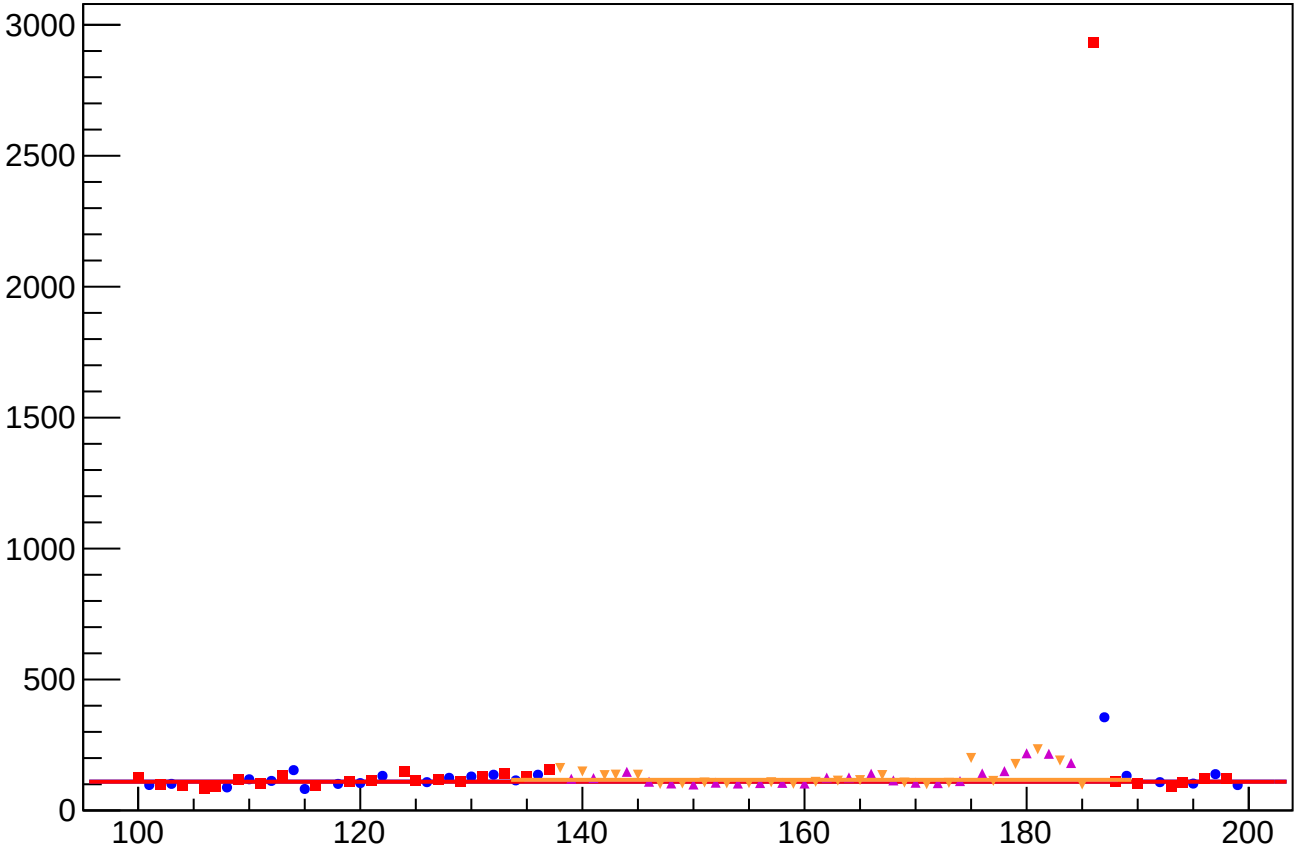
Right: -0.002+/-0.023 χ^2/NDF: 51.5/47

In: 0.006+/-0.022 χ^2/NDF:51.3/44

Out: 0.002+/-0.021 χ^2/NDF:52.8/50

All: 0.004+/-0.015 χ^2/NDF: 104.2/95

asym_usr_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



Right In: 110.169+/-0.024 χ^2/NDF: 472597.7/21

Left Out: 116.880+/-0.020 χ^2/NDF:1596935.1/24

Right Out: 109.672+/-0.023 χ^2/NDF: 1170638.4/25

Left In: 115.858+/-0.020 χ^2/NDF:1231382.1/22

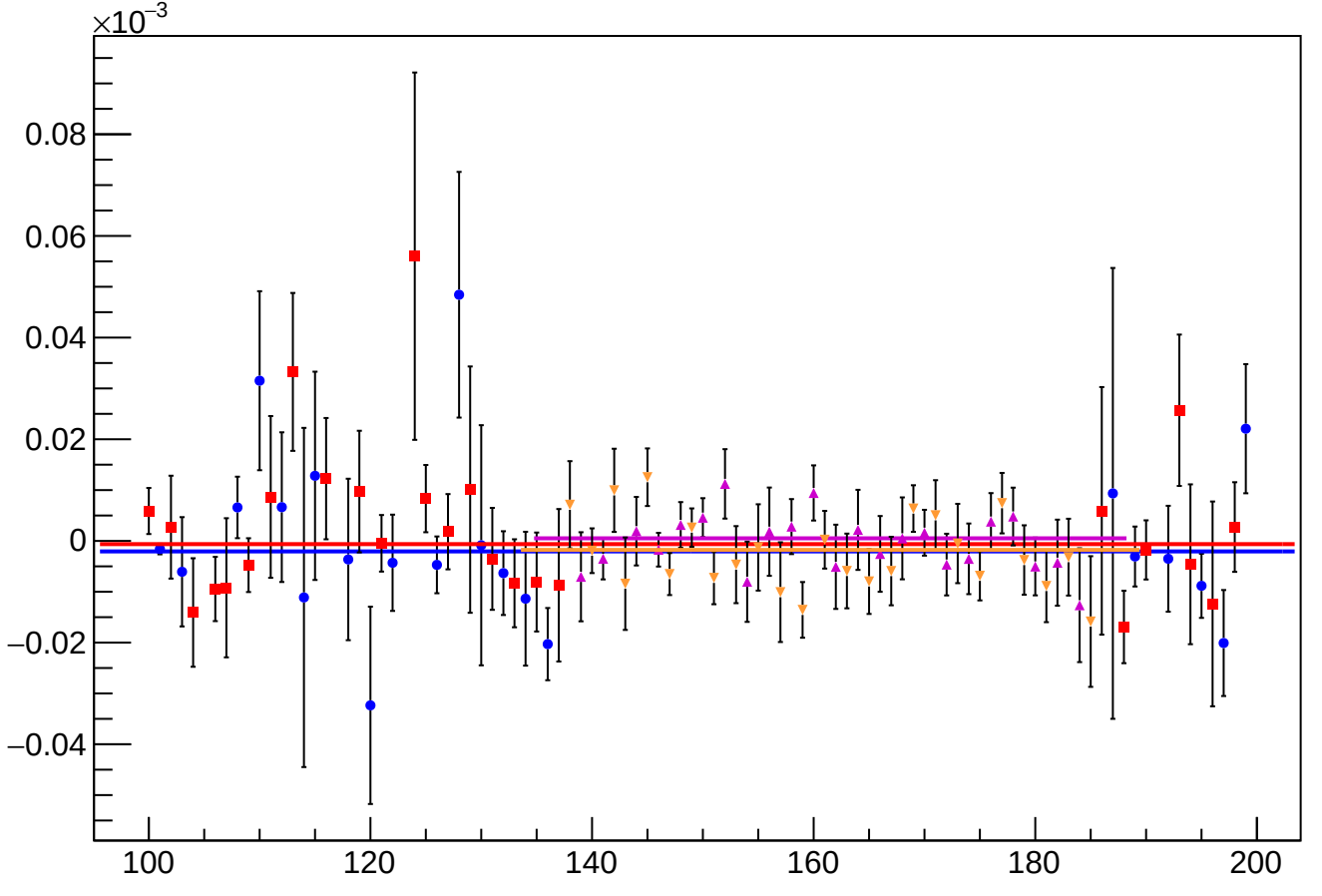
Left: 116.376+/-0.014 χ^2/NDF: 2829653.1/47

Right: 109.910+/-0.017 χ^2/NDF: 1643460.6/47

In: 113.532+/-0.015 χ^2/NDF:1737339.8/44

Out: 113.836+/-0.015 χ^2/NDF:2824506.5/50

All: 113.688+/-0.011 χ^2/NDF: 4562048.3/95



Right In: -0.000+/-0.000 χ^2/NDF: 29.3/21

Left Out: -0.000+/-0.000 χ^2/NDF:31.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 29.1/25

Left In: 0.000+/-0.000 χ^2/NDF:15.6/22

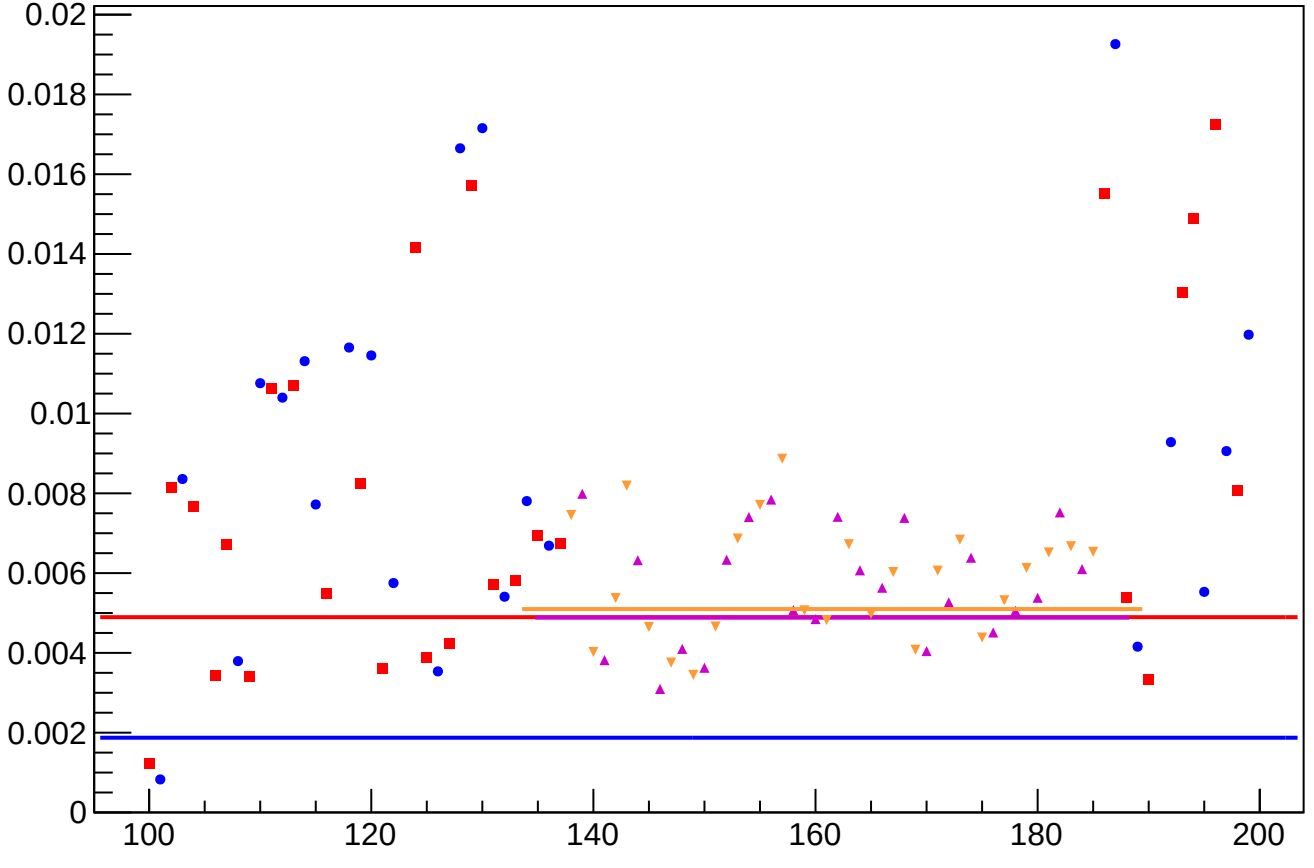
Left: -0.000+/-0.000 χ^2/NDF: 48.4/47

Right: -0.000+/-0.000 χ^2/NDF: 58.9/47

In: -0.000+/-0.000 χ^2/NDF:47.8/44

Out: -0.000+/-0.000 χ^2/NDF:60.5/50

All: -0.000+/-0.000 χ^2/NDF: 108.3/95



Right In: 0.002+/-0.000 χ^2/NDF: 13978939.2/21

Left Out: 0.005+/-0.000 χ^2/NDF:2378649.6/24

Right Out: 0.005+/-0.000 χ^2/NDF: 6462801.5/25

Left In: 0.005+/-0.000 χ^2/NDF:2725463.9/22

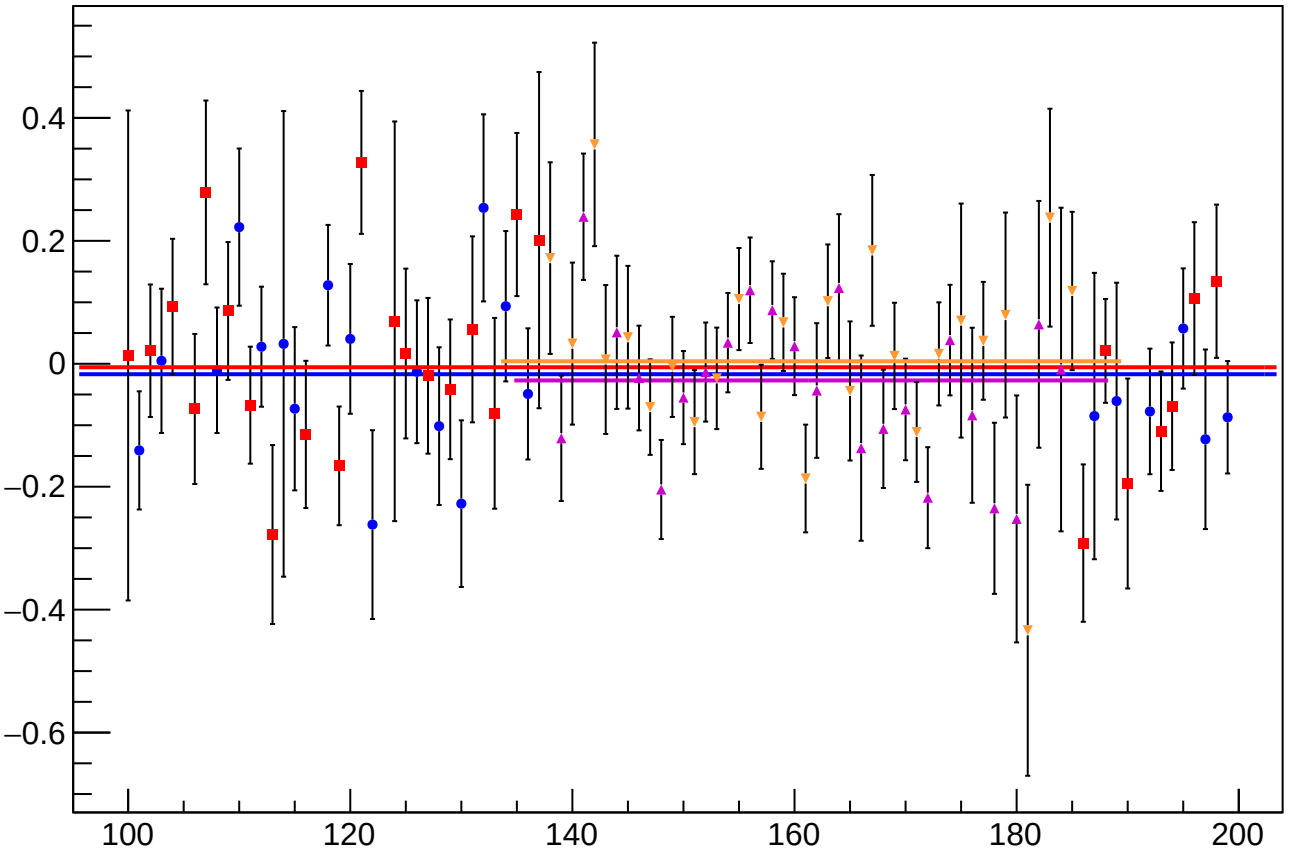
Left: 0.005+/-0.000 χ^2/NDF: 5135847.3/47

Right: 0.003+/-0.000 χ^2/NDF: 25268342.4/47

In: 0.003+/-0.000 χ^2/NDF:24558150.7/44

Out: 0.005+/-0.000 χ^2/NDF:8860387.8/50

All: 0.004+/-0.000 χ^2/NDF: 38728376.5/95



Right In: -0.017+/-0.026 χ^2/NDF: 19.6/21

Left Out: 0.004+/-0.020 χ^2/NDF:28.2/24

Right Out: -0.006+/-0.024 χ^2/NDF: 35.8/25

Left In: -0.027+/-0.021 χ^2/NDF:32.0/22

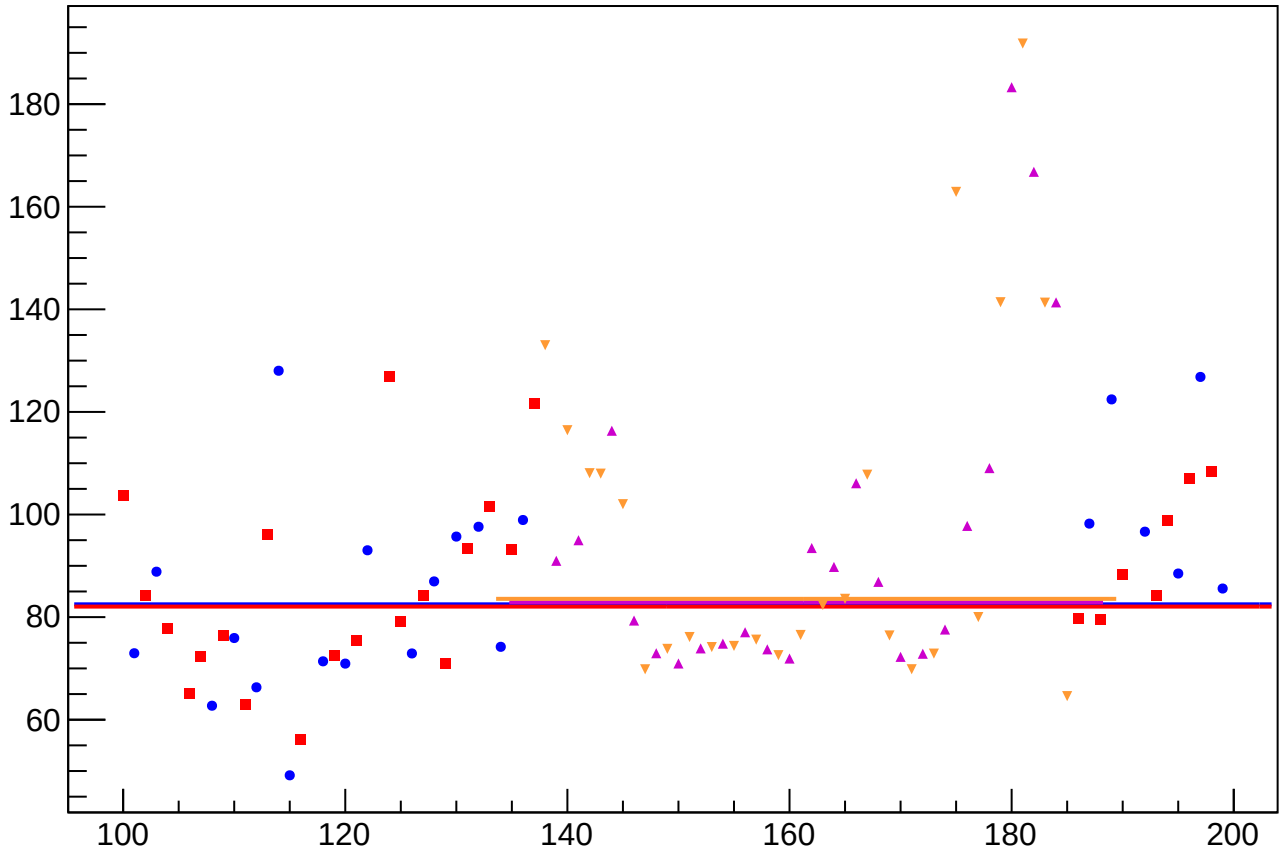
Left: -0.011+/-0.014 χ^2/NDF: 61.3/47

Right: -0.011+/-0.018 χ^2/NDF: 55.5/47

In: -0.023+/-0.016 χ^2/NDF:51.7/44

Out: 0.000+/-0.016 χ^2/NDF:64.0/50

All: -0.011+/-0.011 χ^2/NDF: 116.8/95



Right In: 82.493+/-0.018 χ^2/NDF: 807645.8/21

Left Out: 83.565+/-0.014 χ^2/NDF:2172921.0/24

Right Out: 82.053+/-0.017 χ^2/NDF: 664649.0/25

Left In: 82.891+/-0.015 χ^2/NDF:1572981.0/22

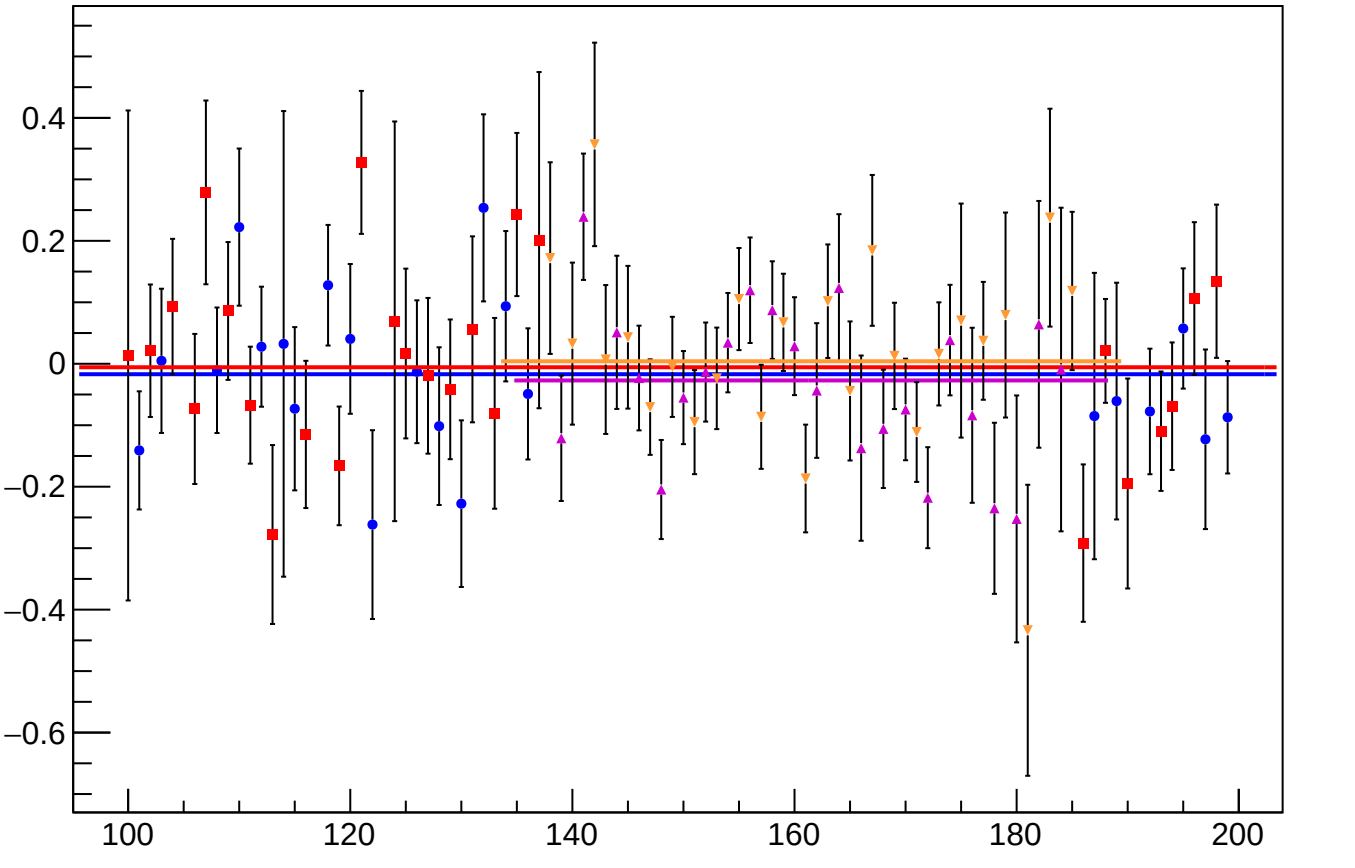
Left: 83.232+/-0.010 χ^2/NDF: 3746990.7/47

Right: 82.261+/-0.012 χ^2/NDF: 1472606.0/47

In: 82.736+/-0.011 χ^2/NDF:2380919.4/44

Out: 82.943+/-0.011 χ^2/NDF:2842134.1/50

All: 82.842+/-0.008 χ^2/NDF: 5223225.4/95



Right In: -0.017+/-0.026 χ^2/NDF: 19.6/21

Left Out: 0.004+/-0.020 χ^2/NDF:28.2/24

Right Out: -0.006+/-0.024 χ^2/NDF: 35.8/25

Left In: -0.027+/-0.021 χ^2/NDF:32.0/22

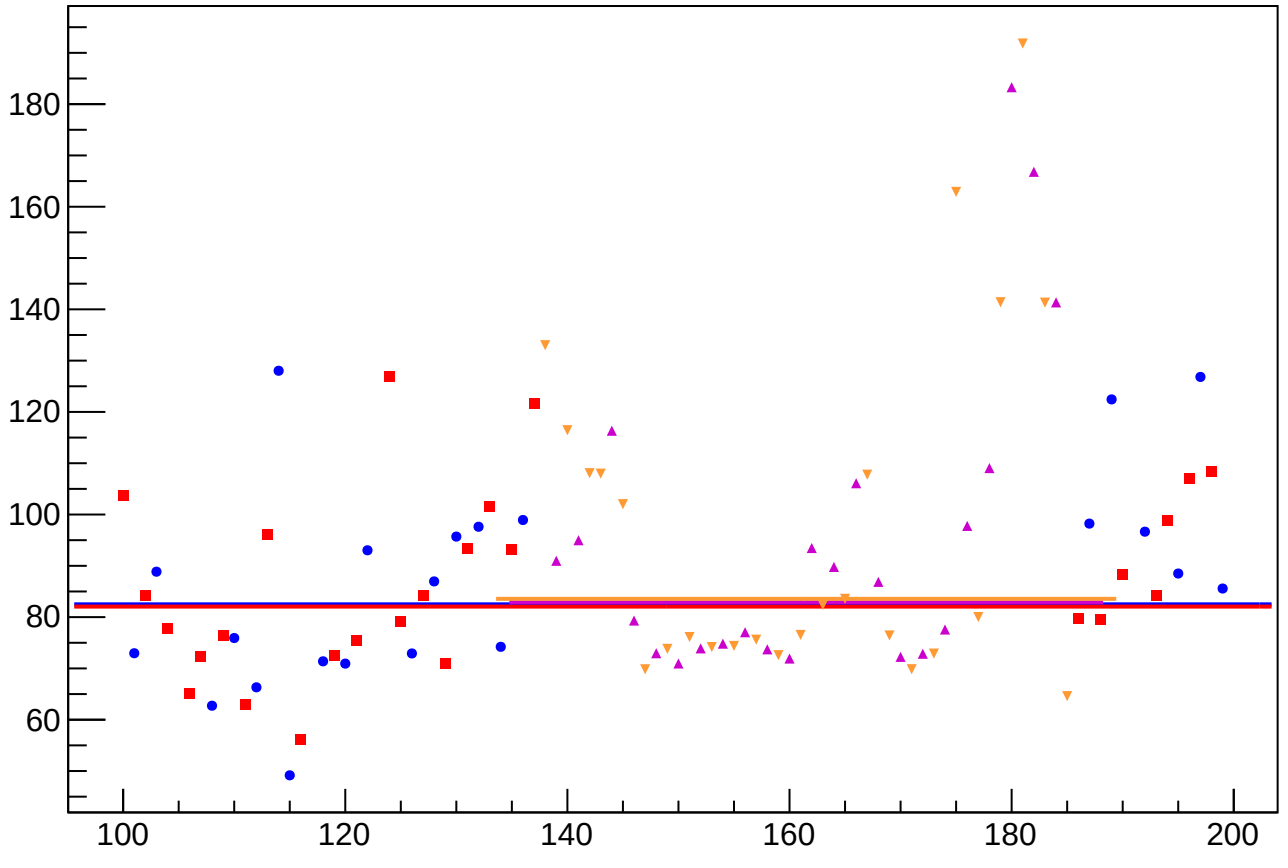
Left: -0.011+/-0.014 χ^2/NDF: 61.3/47

Right: -0.011+/-0.018 χ^2/NDF: 55.5/47

In: -0.023+/-0.016 χ^2/NDF:51.7/44

Out: 0.000+/-0.016 χ^2/NDF:64.0/50

All: -0.011+/-0.011 χ^2/NDF: 116.8/95



Right In: 82.493+/-0.018 χ^2/NDF: 807645.8/21

Left Out: 83.565+/-0.014 χ^2/NDF:2172921.0/24

Right Out: 82.053+/-0.017 χ^2/NDF: 664649.0/25

Left In: 82.891+/-0.015 χ^2/NDF:1572981.0/22

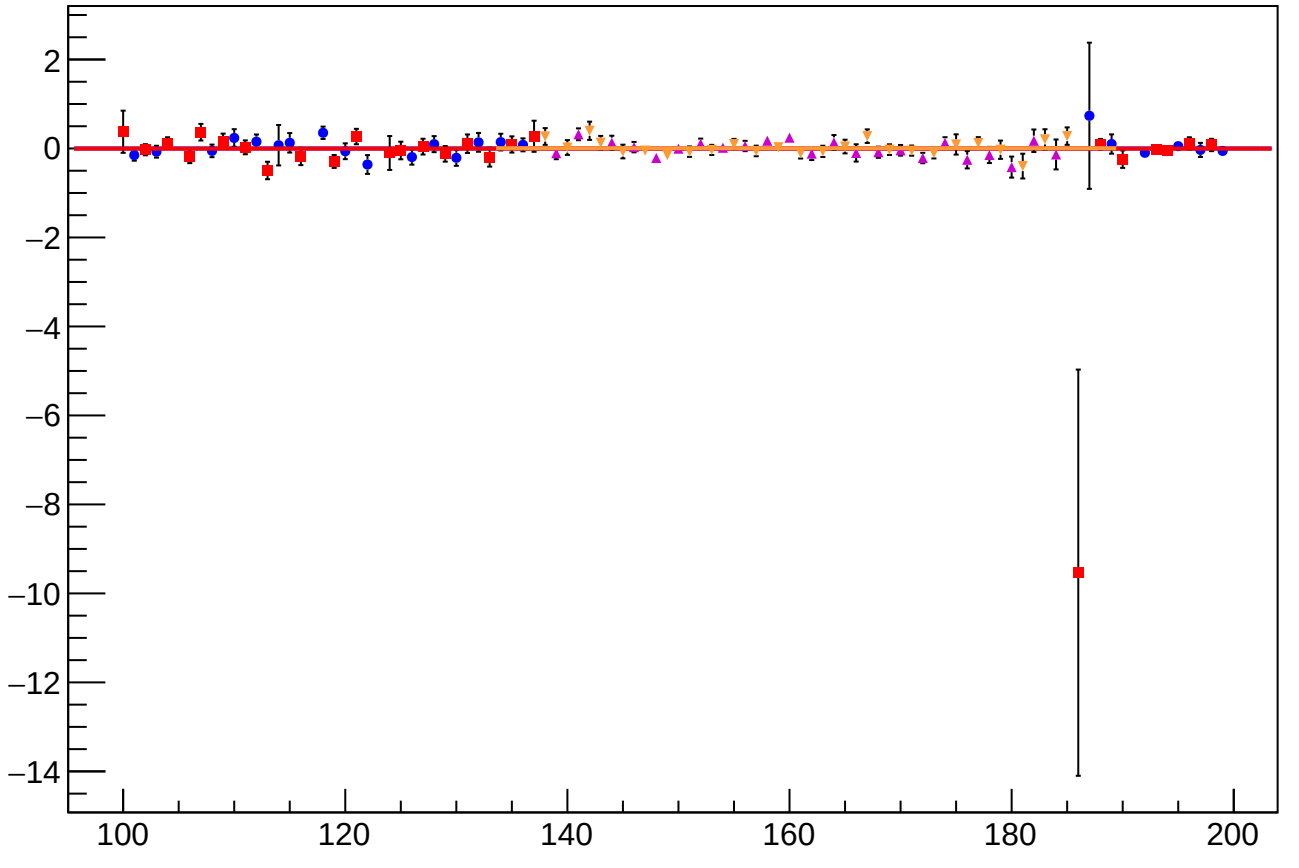
Left: 83.232+/-0.010 χ^2/NDF: 3746990.7/47

Right: 82.261+/-0.012 χ^2/NDF: 1472606.0/47

In: 82.736+/-0.011 χ^2/NDF:2380919.4/44

Out: 82.943+/-0.011 χ^2/NDF:2842134.1/50

All: 82.842+/-0.008 χ^2/NDF: 5223225.4/95



Right In: 0.001+/-0.034 χ^2/NDF: 20.0/21

Left Out: 0.006+/-0.028 χ^2/NDF:21.3/24

Right Out: -0.004+/-0.032 χ^2/NDF: 31.5/25

Left In: 0.010+/-0.028 χ^2/NDF:31.3/22

Left: 0.008+/-0.020 χ^2/NDF: 52.6/47

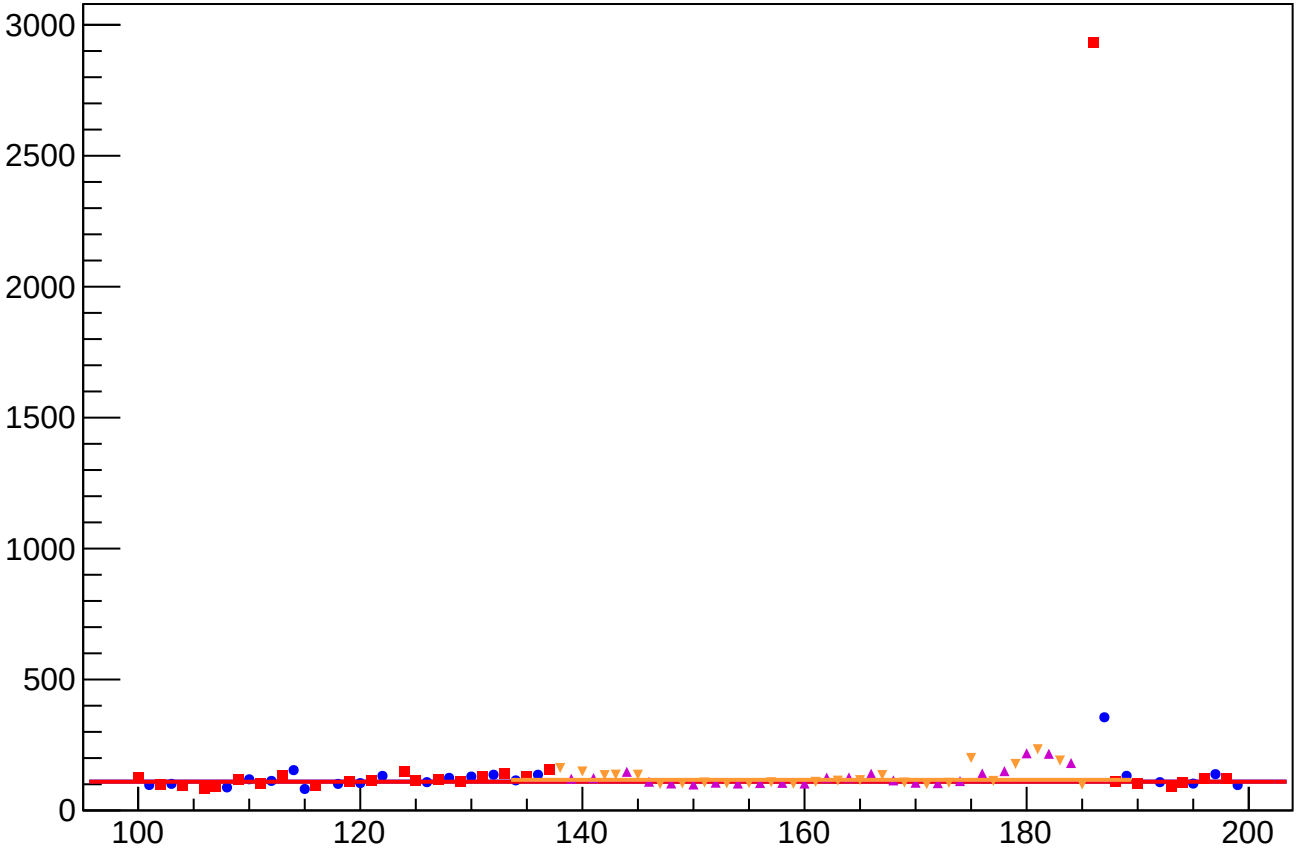
Right: -0.002+/-0.023 χ^2/NDF: 51.4/47

In: 0.006+/-0.022 χ^2/NDF:51.3/44

Out: 0.002+/-0.021 χ^2/NDF:52.8/50

All: 0.004+/-0.015 χ^2/NDF: 104.2/95

asym_usr_eigen_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



Right In: 110.168+/-0.024 χ^2/NDF: 472568.5/21

Left Out: 116.880+/-0.020 χ^2/NDF:1596928.7/24

Right Out: 109.672+/-0.023 χ^2/NDF: 1170612.0/25

Left In: 115.858+/-0.020 χ^2/NDF:1231371.8/22

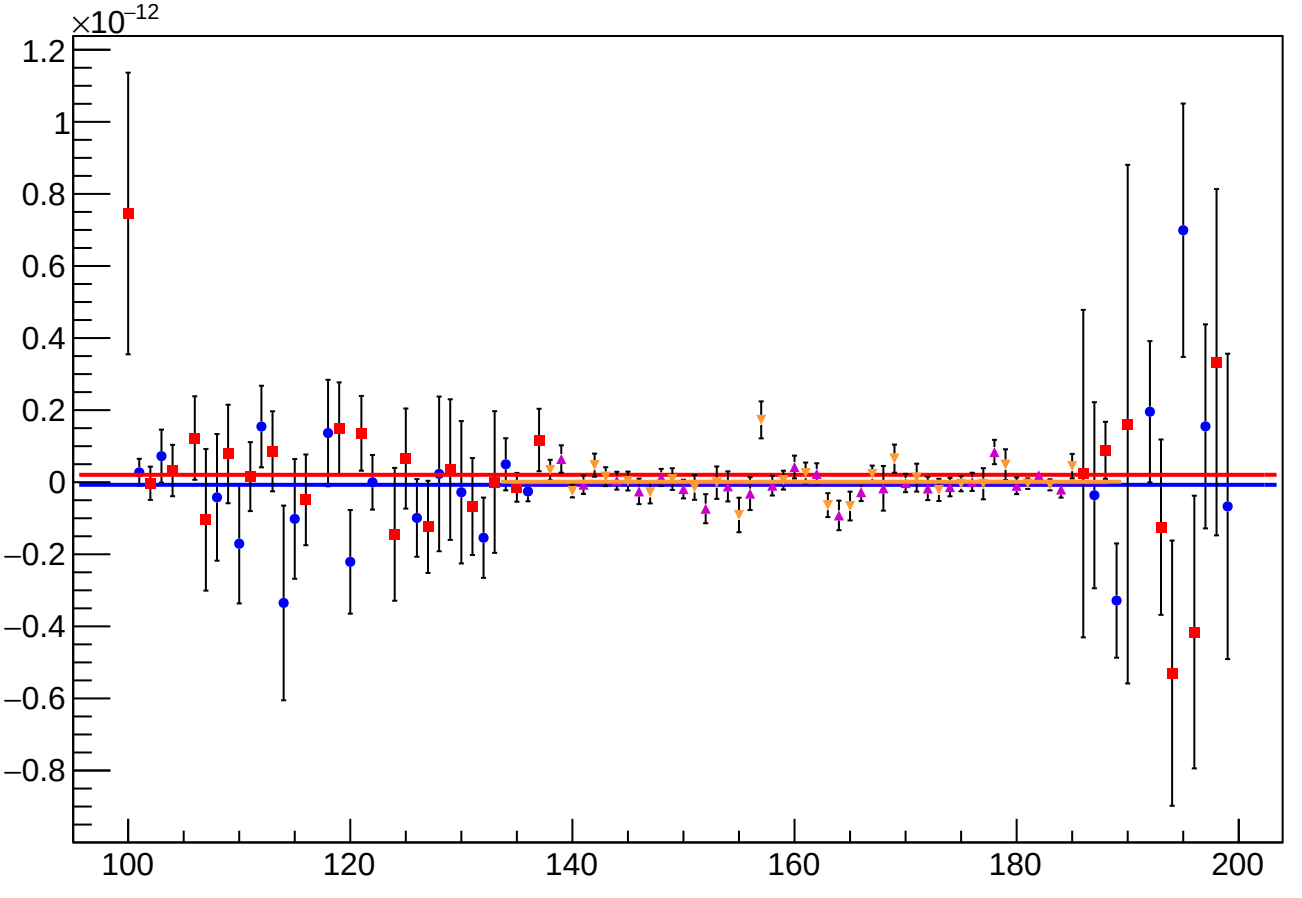
Left: 116.377+/-0.014 χ^2/NDF: 2829636.7/47

Right: 109.910+/-0.017 χ^2/NDF: 1643404.8/47

In: 113.532+/-0.015 χ^2/NDF:1737314.9/44

Out: 113.836+/-0.015 χ^2/NDF:2824491.5/50

All: 113.688+/-0.011 χ^2/NDF: 4562008.6/95



Right In: -0.000+/-0.000 χ^2/NDF: 23.2/21

Left Out: 0.000+/-0.000 χ^2/NDF:36.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 17.7/25

Left In: -0.000+/-0.000 χ^2/NDF:26.7/22

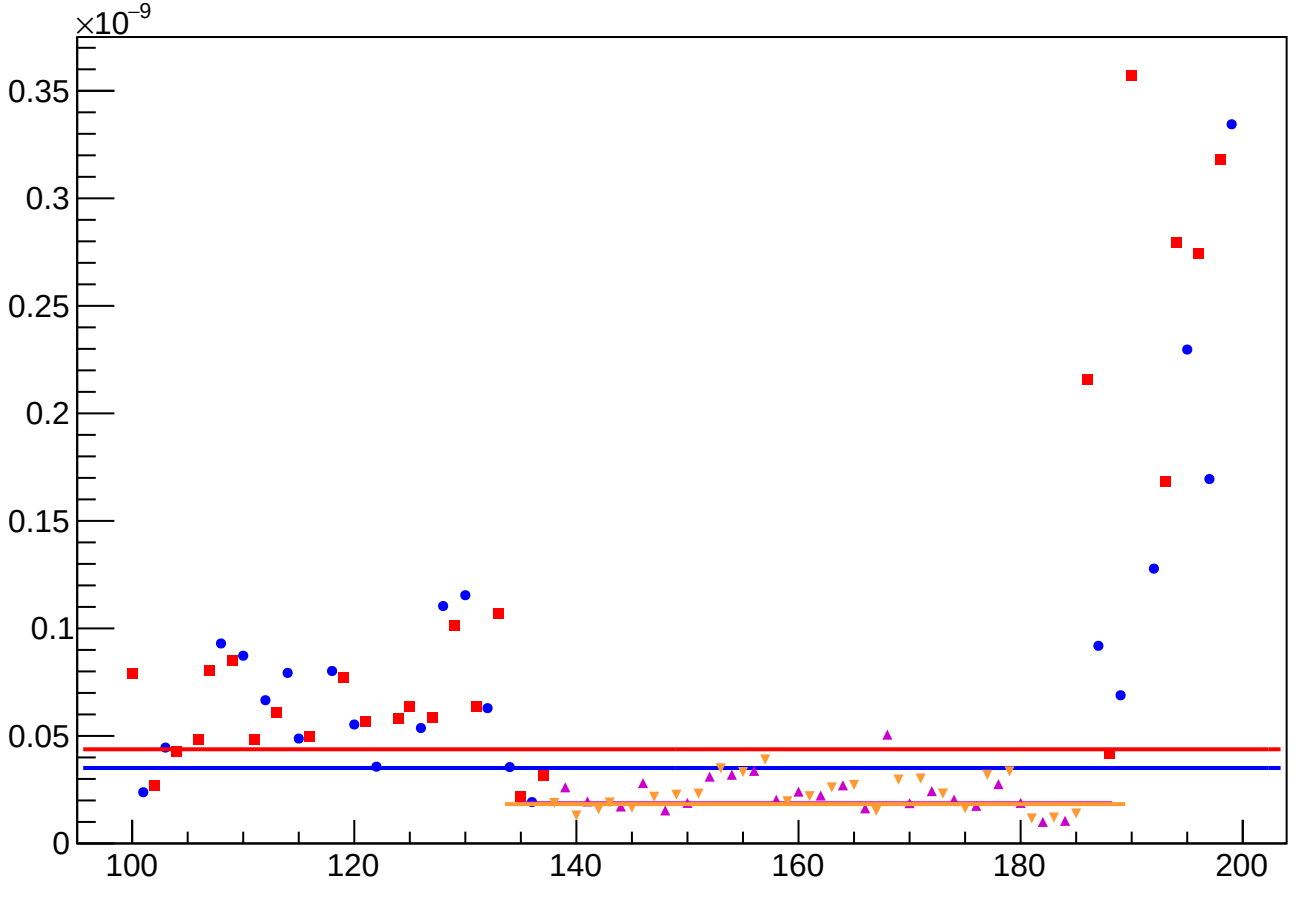
Left: 0.000+/-0.000 χ^2/NDF: 63.4/47

Right: 0.000+/-0.000 χ^2/NDF: 42.0/47

In: -0.000+/-0.000 χ^2/NDF:50.1/44

Out: 0.000+/-0.000 χ^2/NDF:55.2/50

All: 0.000+/-0.000 χ^2/NDF: 105.5/95



Right In: 0.000+/-0.000 χ^2/NDF: 5214624.5/21

Left Out: 0.000+/-0.000 χ^2/NDF:3029080.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5328127.1/25

Left In: 0.000+/-0.000 χ^2/NDF:2908977.5/22

Left: 0.000+/-0.000 χ^2/NDF: 5943205.7/47

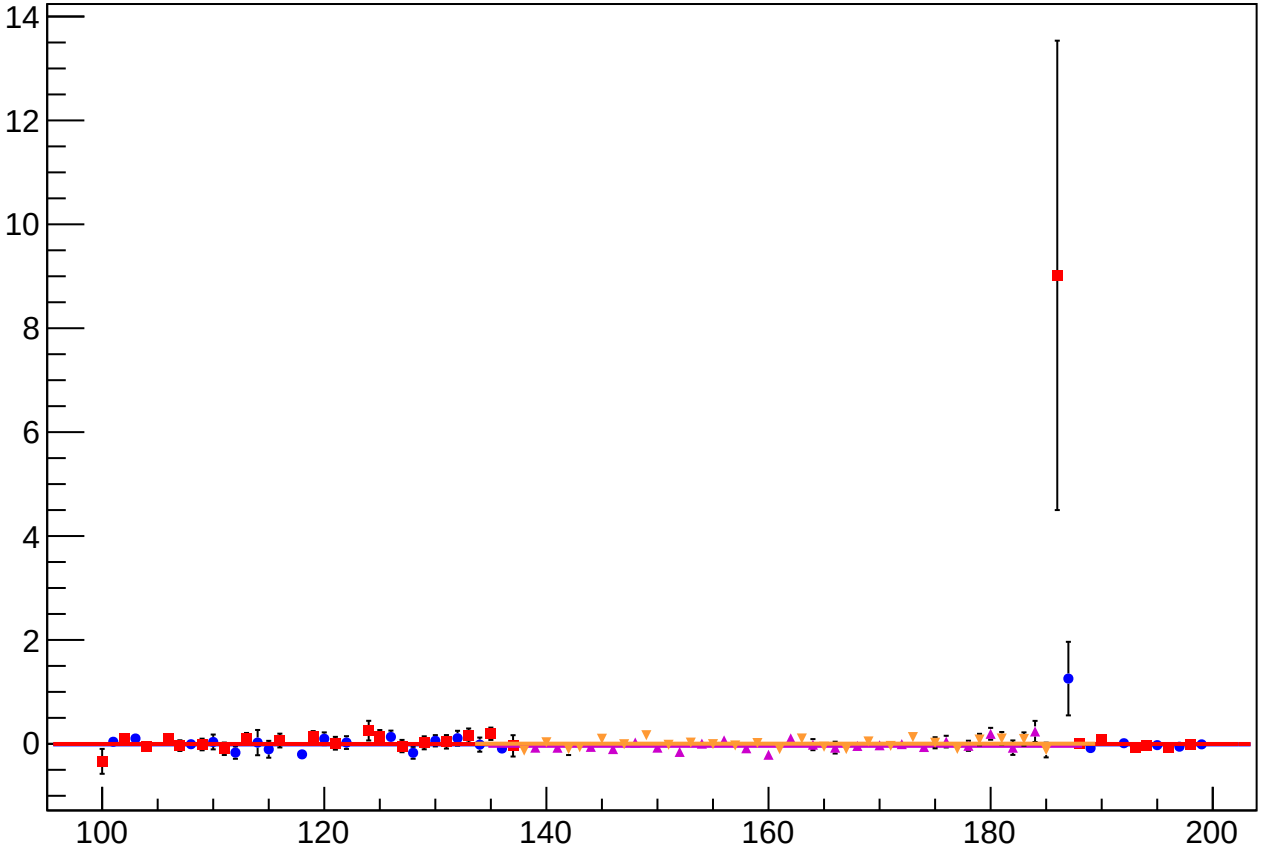
Right: 0.000+/-0.000 χ^2/NDF: 10753199.8/47

In: 0.000+/-0.000 χ^2/NDF:9695791.2/44

Out: 0.000+/-0.000 χ^2/NDF:11322490.8/50

All: 0.000+/-0.000 χ^2/NDF: 21019907.1/95

asym_usr_overload_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.011+/-0.016 χ^2/NDF: 22.6/21

Left Out: 0.003+/-0.017 χ^2/NDF:21.5/24

Right Out: -0.002+/-0.015 χ^2/NDF: 32.9/25

Left In: -0.038+/-0.018 χ^2/NDF:21.6/22

Left: -0.017+/-0.012 χ^2/NDF: 45.8/47

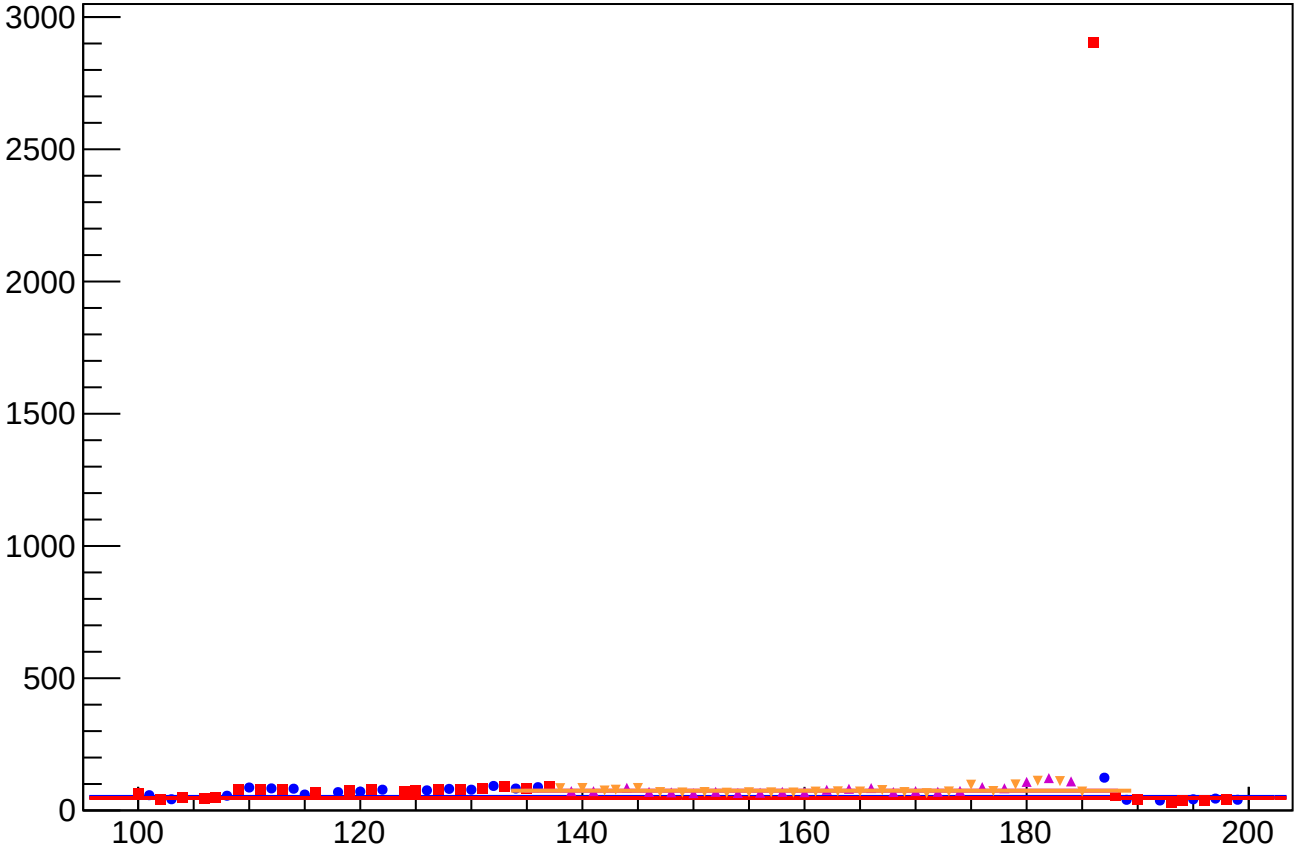
Right: -0.006+/-0.011 χ^2/NDF: 55.6/47

In: -0.023+/-0.012 χ^2/NDF:45.5/44

Out: -0.000+/-0.011 χ^2/NDF:54.4/50

All: -0.011+/-0.008 χ^2/NDF: 101.9/95

asym_usr_overload_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 51.113+/-0.012 χ^2/NDF: 2077406.3/21

Left Out: 74.749+/-0.012 χ^2/NDF:744366.0/24

Right Out: 47.104+/-0.011 χ^2/NDF: 3507255.4/25

Left In: 74.601+/-0.013 χ^2/NDF:713751.1/22

Left: 74.677+/-0.009 χ^2/NDF: 1458187.6/47

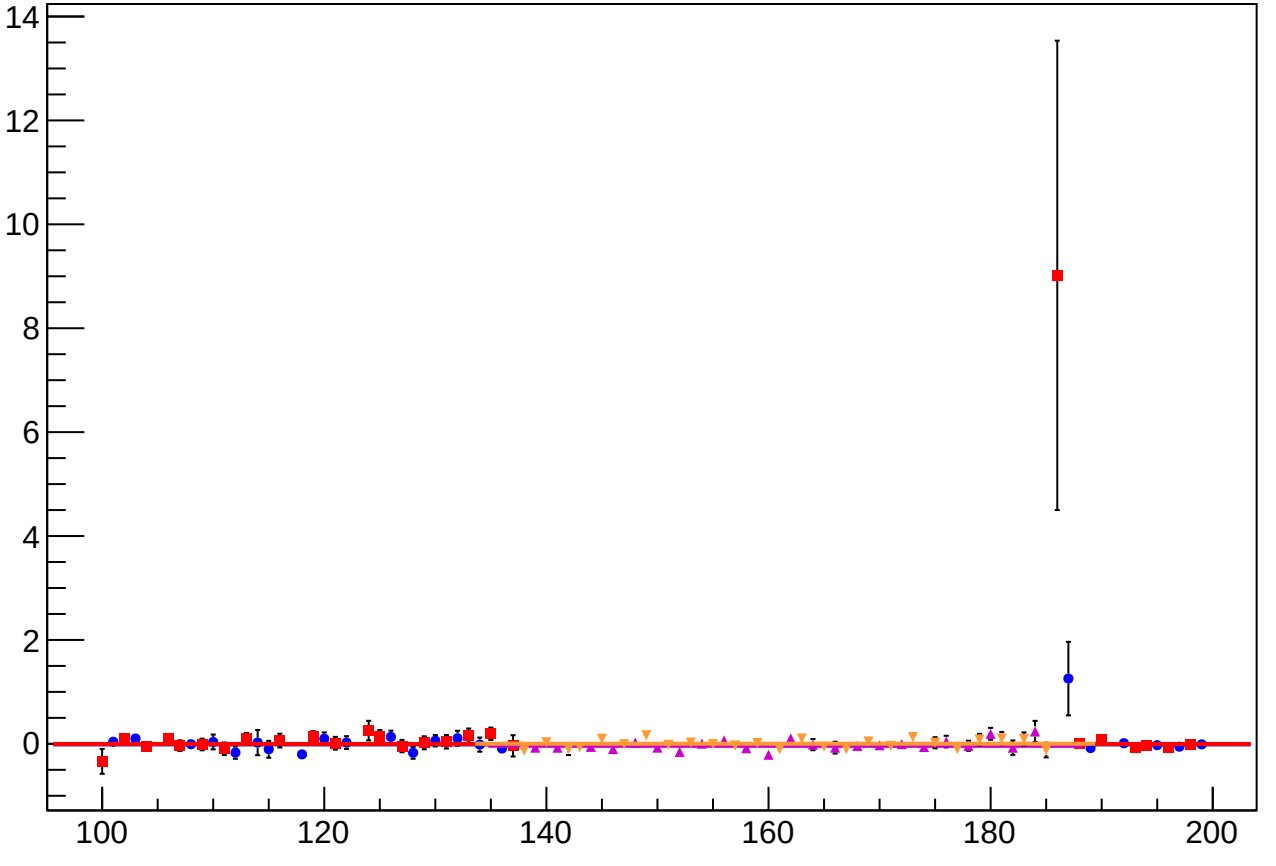
Right: 48.926+/-0.008 χ^2/NDF: 5650604.1/47

In: 61.783+/-0.009 χ^2/NDF:4675552.3/44

Out: 58.763+/-0.008 χ^2/NDF:7162324.7/50

All: 60.178+/-0.006 χ^2/NDF: 11904632.3/95

asym_usr_overload_cor_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.011+/-0.016 χ^2/NDF: 22.6/21

Left Out: 0.003+/-0.017 χ^2/NDF:21.5/24

Right Out: -0.002+/-0.015 χ^2/NDF: 32.9/25

Left In: -0.038+/-0.018 χ^2/NDF:21.6/22

Left: -0.017+/-0.012 χ^2/NDF: 45.8/47

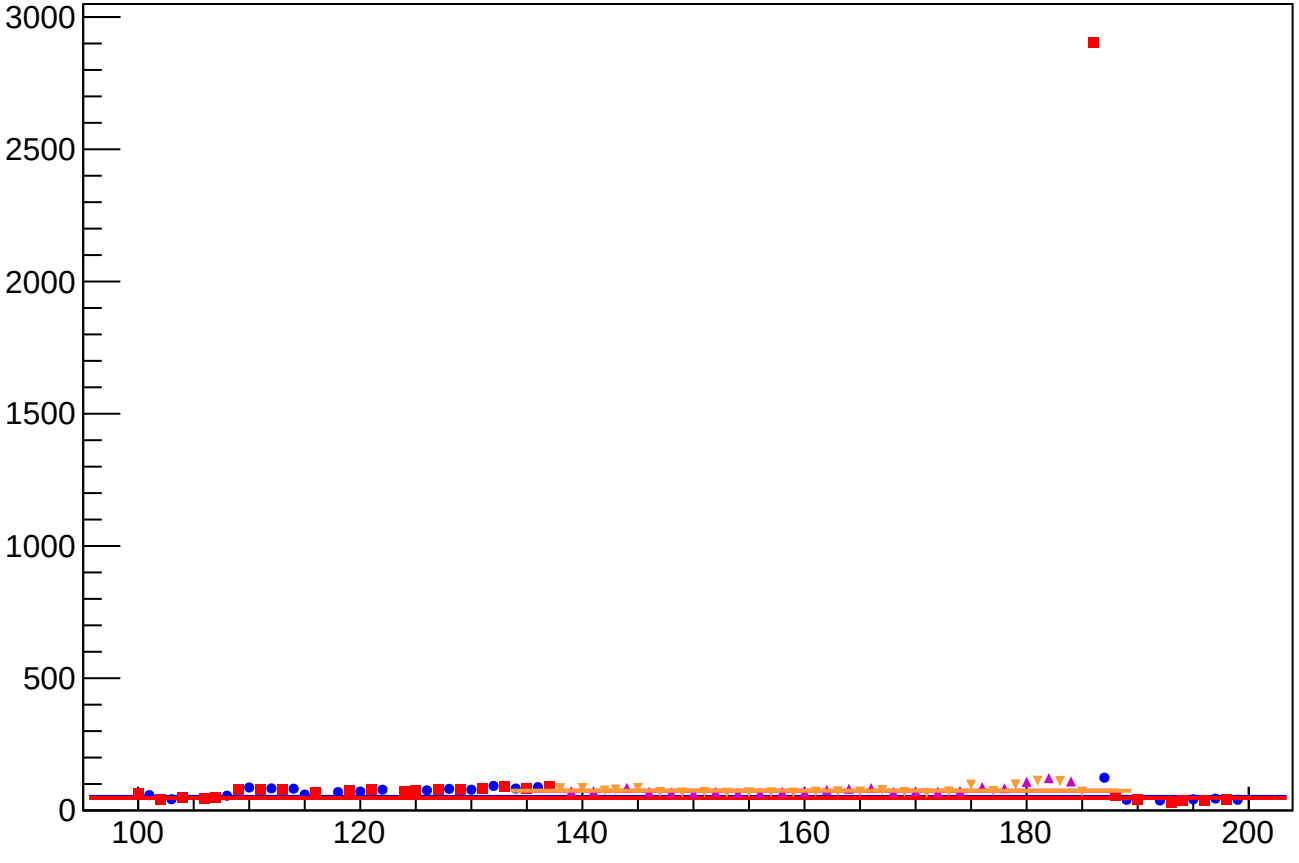
Right: -0.006+/-0.011 χ^2/NDF: 55.6/47

In: -0.023+/-0.012 χ^2/NDF:45.5/44

Out: -0.000+/-0.011 χ^2/NDF:54.4/50

All: -0.011+/-0.008 χ^2/NDF: 101.9/95

asym_usr_overload_cor_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 51.113+/-0.012 χ^2/NDF: 2077406.3/21

Left Out: 74.749+/-0.012 χ^2/NDF:744366.0/24

Right Out: 47.104+/-0.011 χ^2/NDF: 3507255.4/25

Left In: 74.601+/-0.013 χ^2/NDF:713751.1/22

Left: 74.677+/-0.009 χ^2/NDF: 1458187.6/47

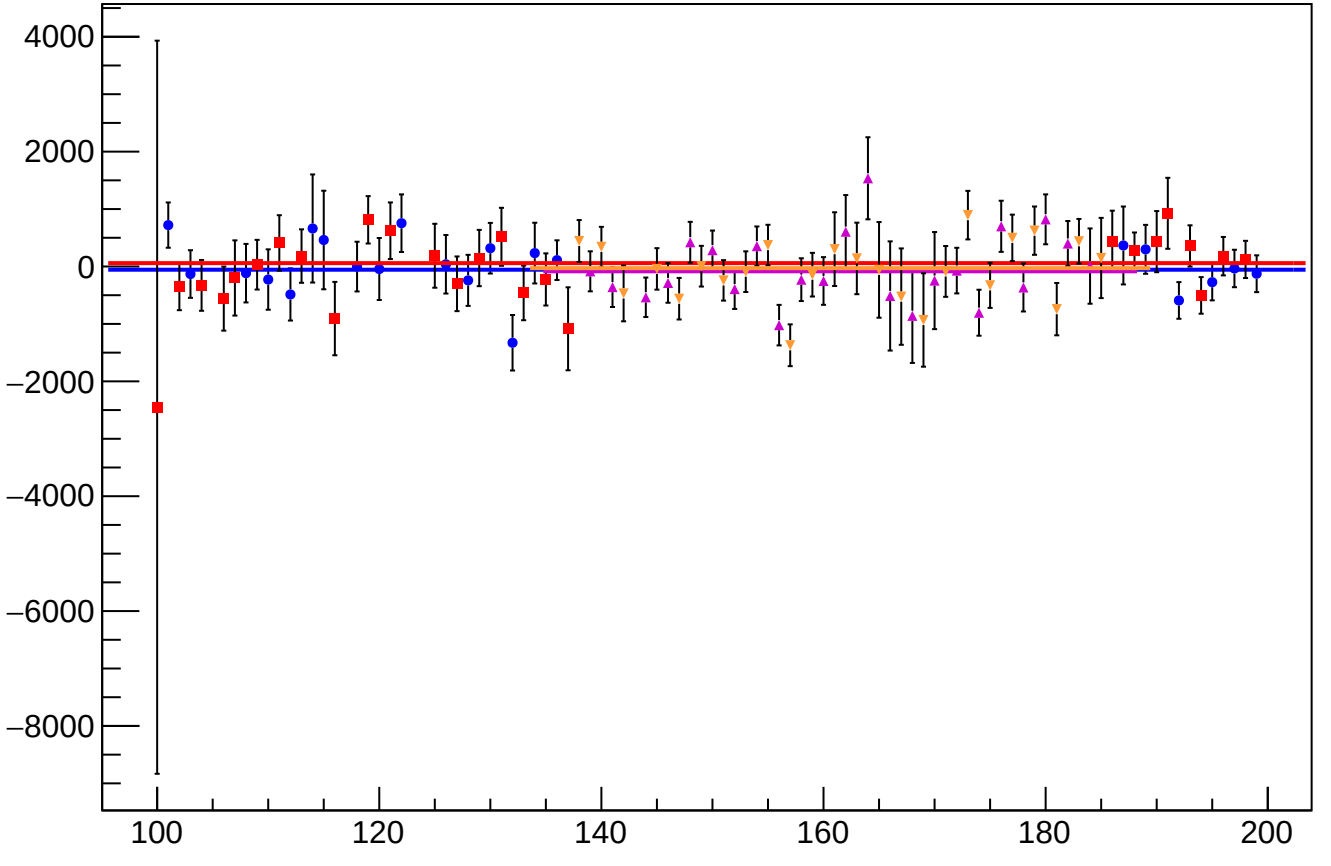
Right: 48.926+/-0.008 χ^2/NDF: 5650604.1/47

In: 61.783+/-0.009 χ^2/NDF:4675552.3/44

Out: 58.763+/-0.008 χ^2/NDF:7162324.7/50

All: 60.178+/-0.006 χ^2/NDF: 11904632.3/95

asym_dsl_mean vs Slug, Sign Corrected



Right In: -56.068+/-92.566 χ^2/NDF: 21.3/21

Left Out: -29.346+/-86.530 χ^2/NDF:36.6/23

Right Out: 58.490+/-88.976 χ^2/NDF: 23.9/25

Left In: -83.719+/-86.476 χ^2/NDF:35.8/22

Left: -56.550+/-61.167 χ^2/NDF: 72.6/46

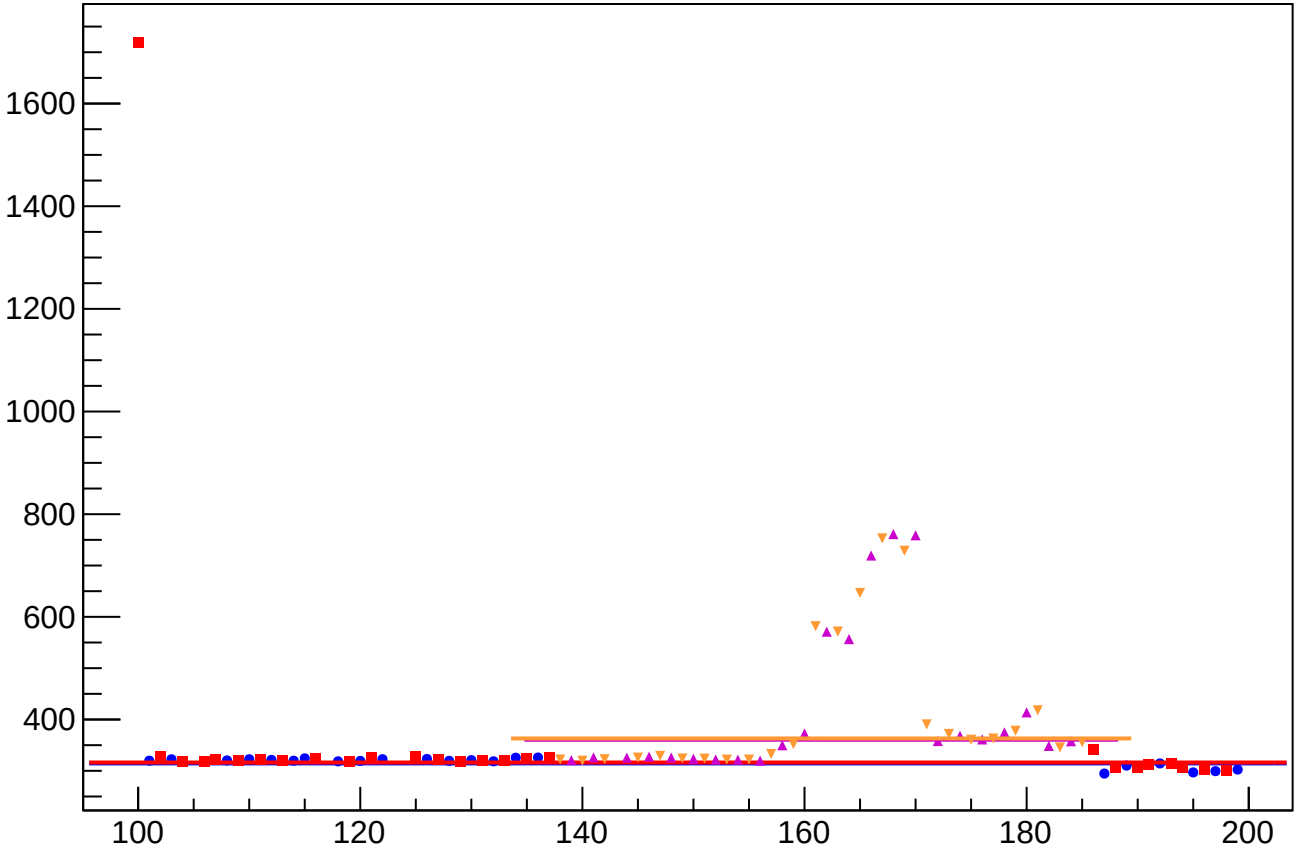
Right: 3.476+/-64.147 χ^2/NDF: 46.0/47

In: -70.833+/-63.191 χ^2/NDF:57.2/44

Out: 13.348+/-62.032 χ^2/NDF:61.0/49

All: -27.964+/-44.268 χ^2/NDF: 119.0/94

asym_dsl_rms vs Slug, Sign Corrected



Right In: 314.469+/-0.065 χ^2/NDF: 23056.0/21

Left Out: 363.079+/-0.061 χ^2/NDF:1795570.0/23

Right Out: 316.238+/-0.063 χ^2/NDF: 119941.6/25

Left In: 360.585+/-0.061 χ^2/NDF:1817691.0/22

Left: 361.831+/-0.043 χ^2/NDF: 3614092.1/46

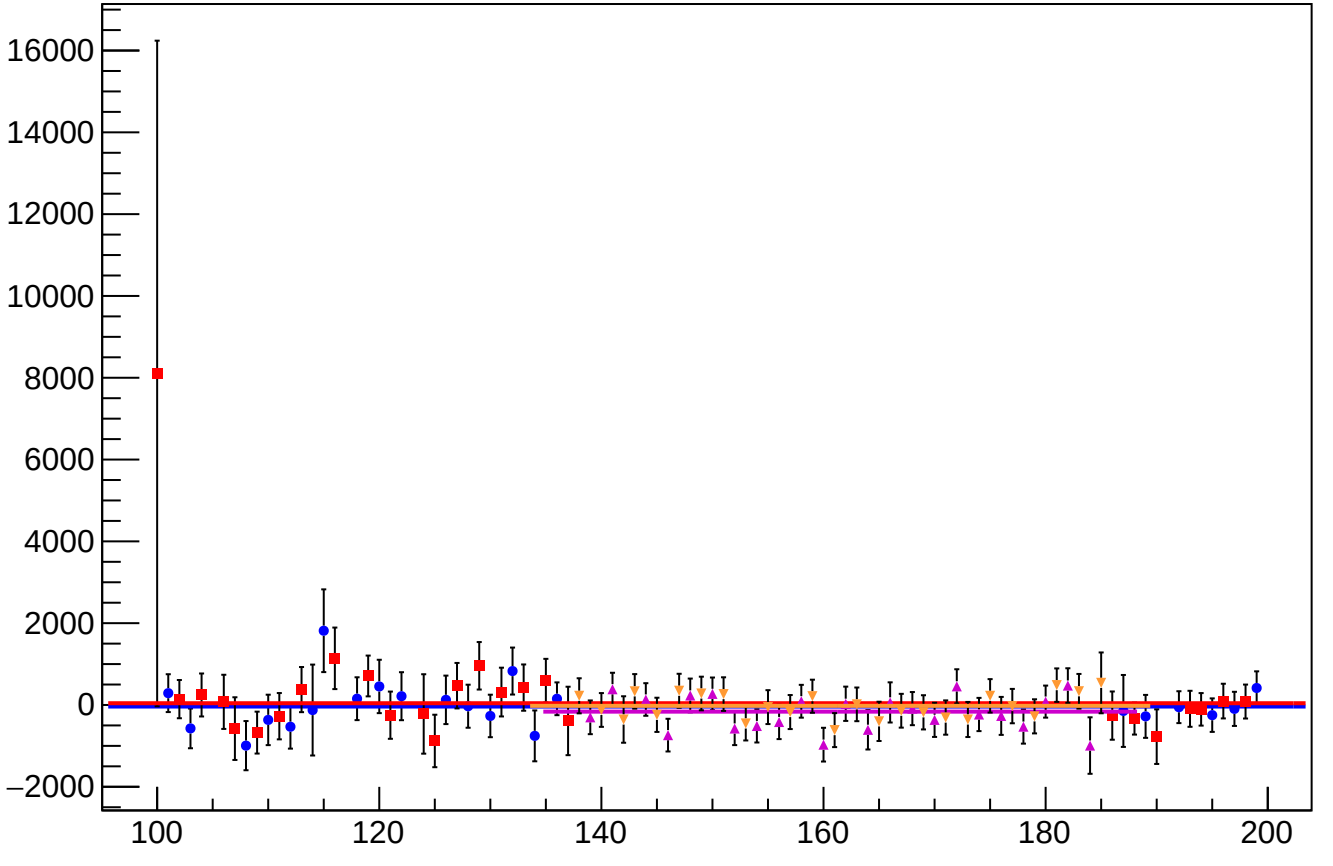
Right: 315.388+/-0.045 χ^2/NDF: 143377.3/47

In: 339.094+/-0.045 χ^2/NDF:2105816.8/44

Out: 340.311+/-0.044 χ^2/NDF:2200385.7/49

All: 339.714+/-0.031 χ^2/NDF: 4306580.4/94

asym_dsr_mean vs Slug, Sign Corrected



Right In: -38.155+/-111.986 χ^2/NDF: 15.5/21

Left Out: -21.061+/-85.620 χ^2/NDF:12.6/24

Right Out: 42.963+/-107.628 χ^2/NDF: 18.8/25

Left In: -162.992+/-87.991 χ^2/NDF:21.8/22

Left: -90.087+/-61.364 χ^2/NDF: 35.7/47

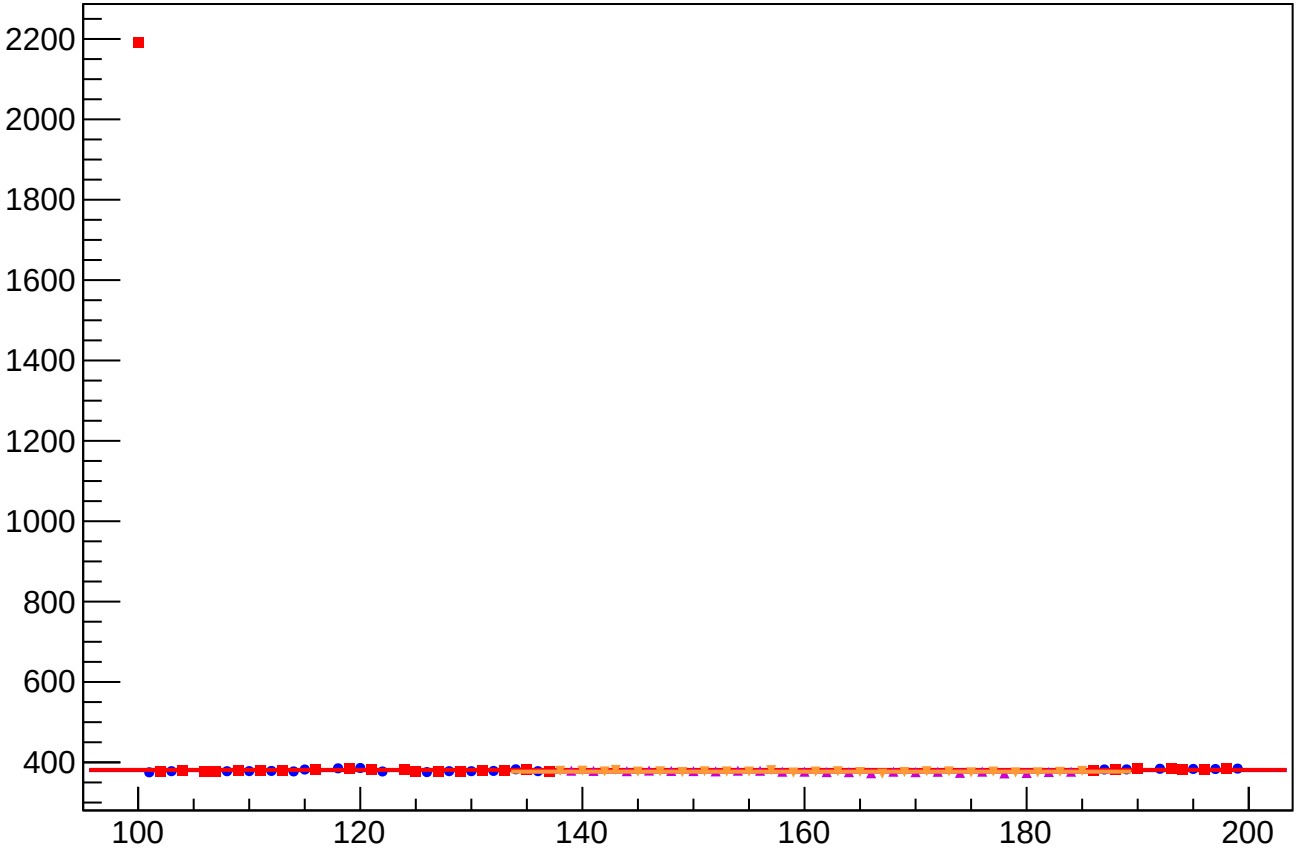
Right: 4.013+/-77.600 χ^2/NDF: 34.6/47

In: -115.339+/-69.189 χ^2/NDF:38.0/44

Out: 3.753+/-67.004 χ^2/NDF:31.7/50

All: -53.883+/-48.133 χ^2/NDF: 71.2/95

asym_dsr_rms vs Slug, Sign Corrected



Right In: 380.647+/-0.079 χ^2/NDF: 1706.9/21

Left Out: 376.906+/-0.061 χ^2/NDF:1058.3/24

Right Out: 381.236+/-0.076 χ^2/NDF: 100262.6/25

Left In: 376.846+/-0.062 χ^2/NDF:1074.1/22

Left: 376.877+/-0.043 χ^2/NDF: 2132.9/47

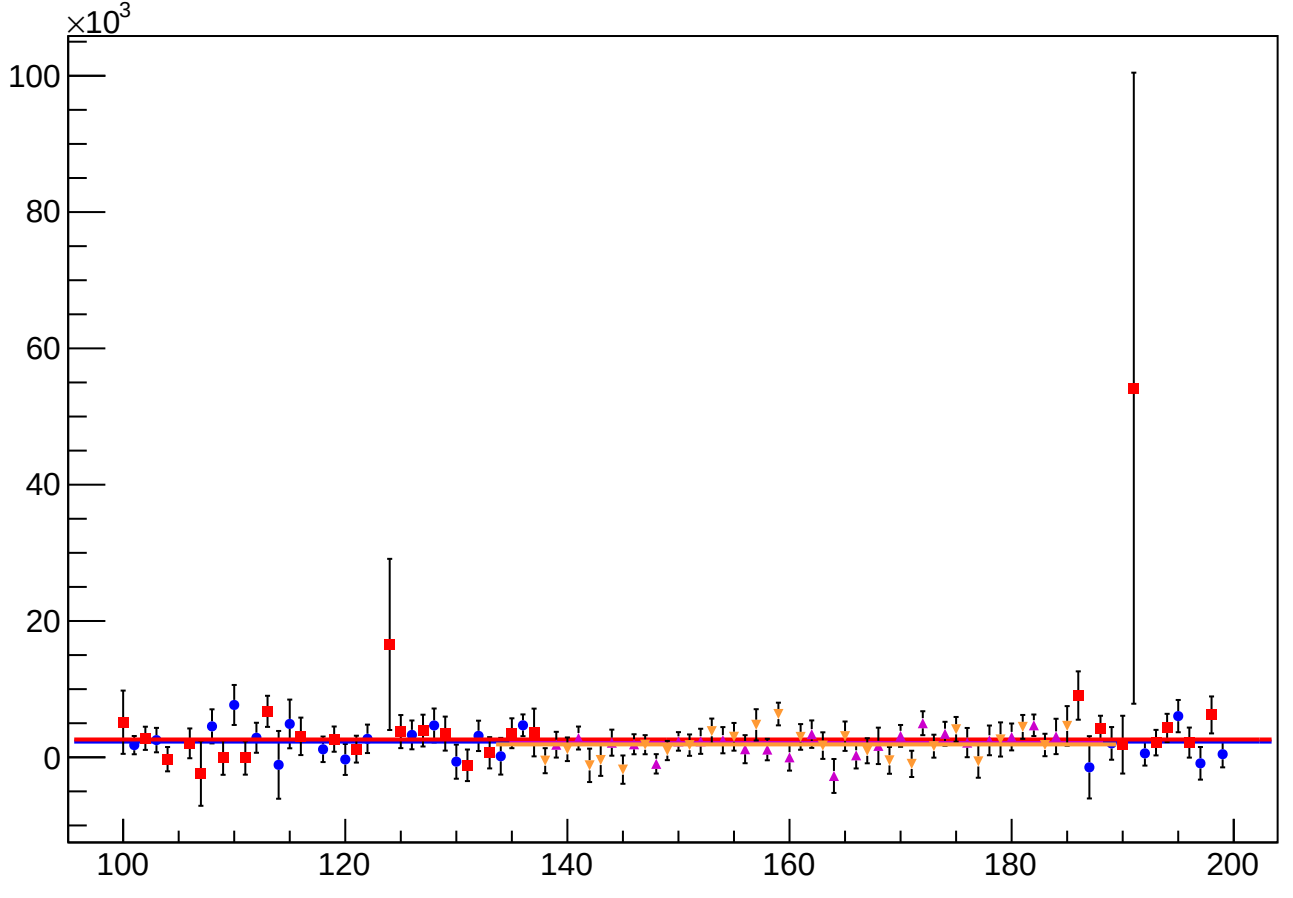
Right: 380.953+/-0.055 χ^2/NDF: 101998.2/47

In: 378.297+/-0.049 χ^2/NDF:4205.4/44

Out: 378.584+/-0.047 χ^2/NDF:103303.1/50

All: 378.445+/-0.034 χ^2/NDF: 107526.4/95

asym_us_agg_avg_mean vs Slug, Sign Corrected



Right In: 2303.410+/-465.870 χ^2/NDF: 19.4/21

Left Out: 1891.201+/-375.290 χ^2/NDF:28.4/24

Right Out: 2614.264+/-465.912 χ^2/NDF: 23.5/26

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

Left: 1997.240+/-266.690 χ^2/NDF: 47.1/47

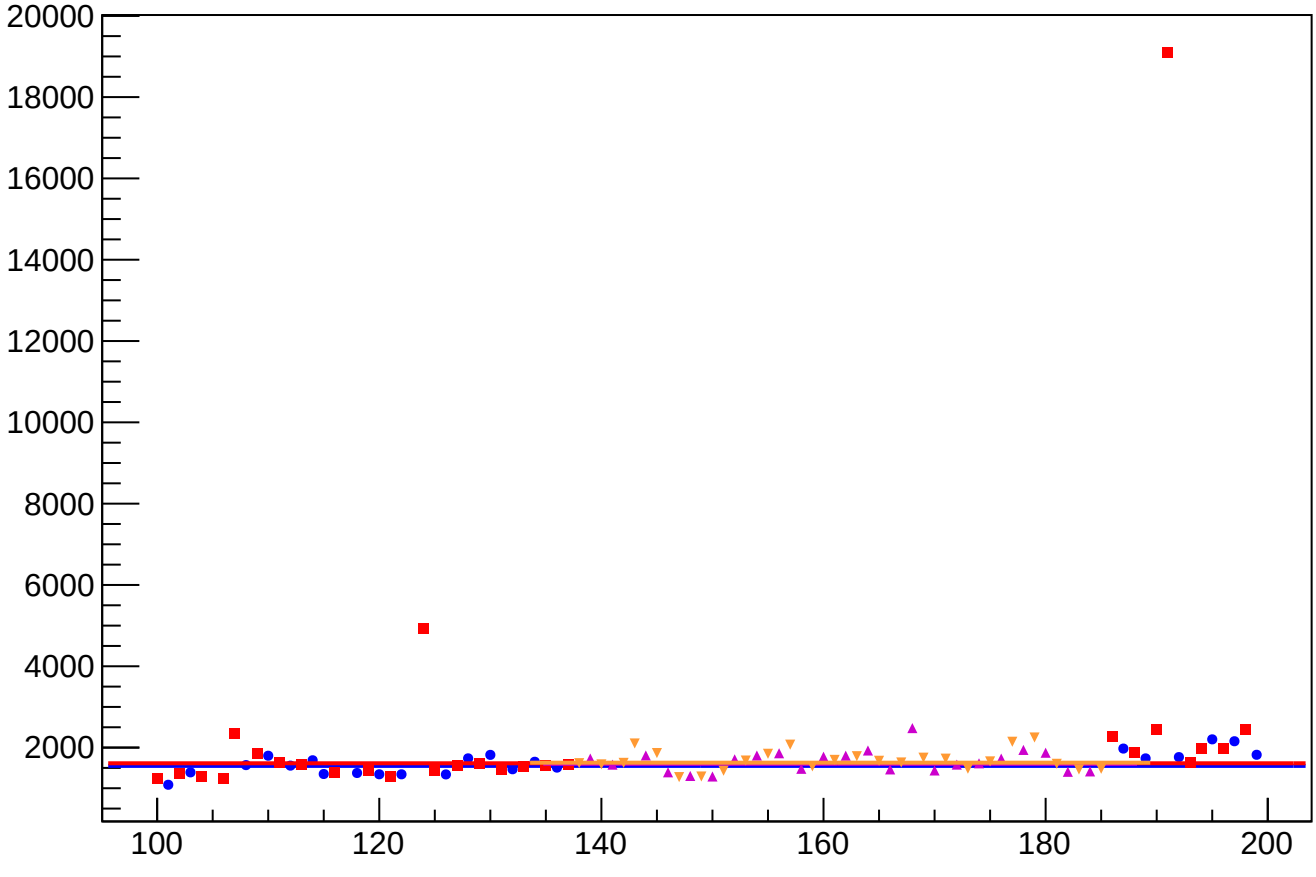
Right: 2458.823+/-329.435 χ^2/NDF: 43.2/48

In: 2184.280+/-294.022 χ^2/NDF:38.1/44

Out: 2175.731+/-292.267 χ^2/NDF:53.4/51

All: 2179.980+/-207.282 χ^2/NDF: 91.5/96

asym_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 1549.824+/-0.329 χ^2/NDF: 771792.3/21

Left Out: 1628.479+/-0.265 χ^2/NDF:779094.7/24

Right Out: 1614.173+/-0.329 χ^2/NDF: 1270181.5/26

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

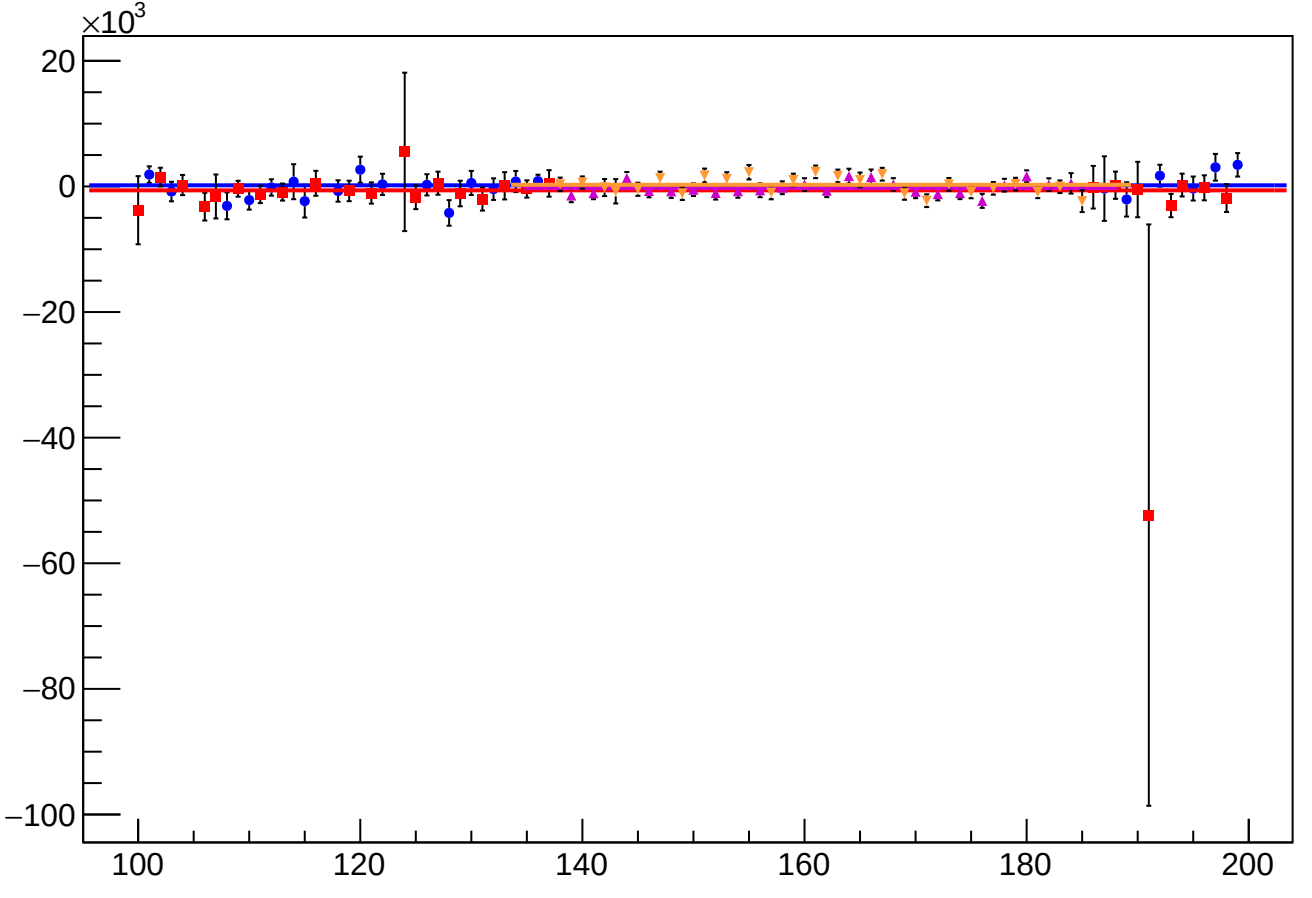
Left: 1615.122+/-0.189 χ^2/NDF: 1577935.0/47

Right: 1581.996+/-0.233 χ^2/NDF: 2061051.2/48

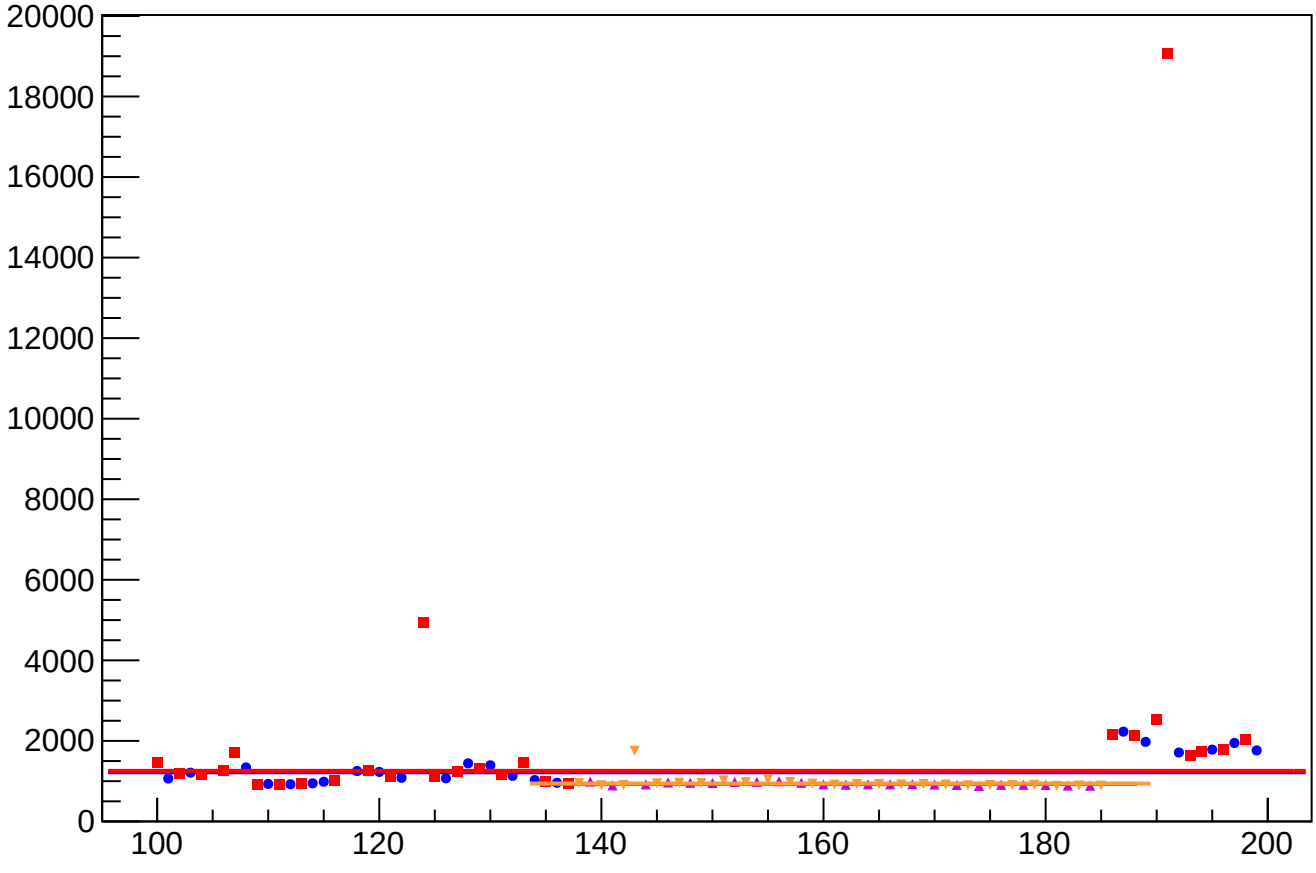
In: 1580.914+/-0.208 χ^2/NDF:1580319.1/44

Out: 1622.849+/-0.207 χ^2/NDF:2050419.8/51

All: 1602.007+/-0.147 χ^2/NDF: 3651202.9/96


asym_us_agg_dd_mean vs Slug, Sign Corrected
×10^3
20
0
−20
−40
−60
−80
−100
100
120
140
160
180
200
Right In: 179.690+/-371.826 χ²/NDF: 21.4/21
Left Out: 262.383+/-214.962 χ²/NDF:33.9/24
Right Out: -623.423+/-369.906 χ²/NDF: 10.5/26
Left In: -267.059+/-217.685 χ²/NDF:21.4/22
Left: 0.994+/-152.955 χ²/NDF: 58.3/47
Right: -223.945+/-262.239 χ²/NDF: 34.2/48
In: -153.022+/-187.859 χ²/NDF:43.8/44
Out: 38.759+/-185.858 χ²/NDF:48.7/51
All: -56.105+/-132.123 χ²/NDF: 93.0/96

asym_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 1220.772+/-0.263 χ^2/NDF: 1443226.3/21

Left Out: 941.013+/-0.152 χ^2/NDF:417710.2/24

Right Out: 1256.285+/-0.262 χ^2/NDF: 2332735.9/26

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

Left: 936.347+/-0.108 χ^2/NDF: 468535.2/47

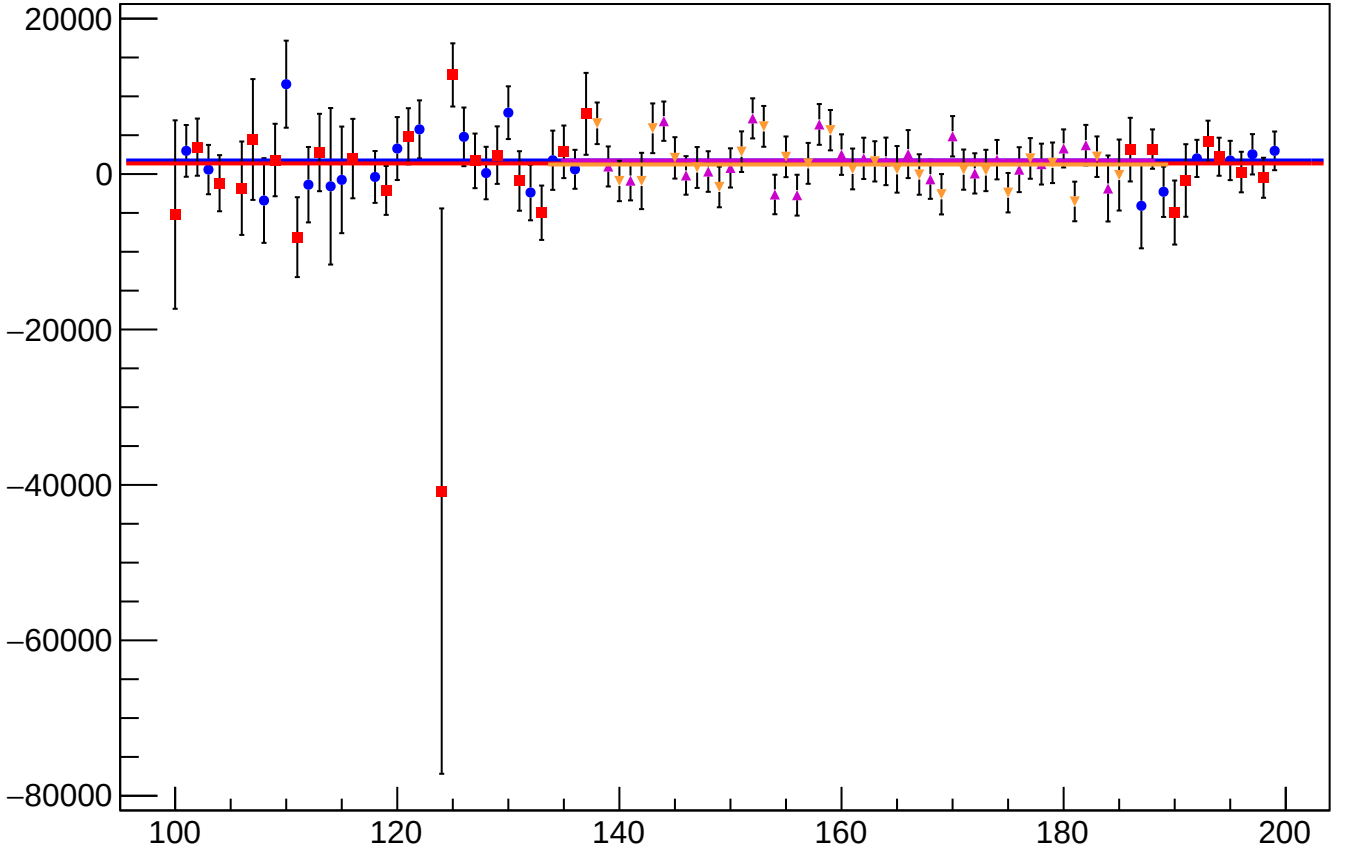
Right: 1238.620+/-0.185 χ^2/NDF: 3785131.8/48

In: 1005.386+/-0.133 χ^2/NDF:2393257.6/44

Out: 1020.604+/-0.131 χ^2/NDF:3836511.4/51

All: 1013.076+/-0.093 χ^2/NDF: 6236402.3/96

reg_asym_atl1_mean vs Slug, Sign Corrected



Right In: 1746.171+/-730.908 χ^2/NDF: 15.3/21

Left Out: 1234.728+/-541.289 χ^2/NDF:23.9/24

Right Out: 1368.043+/-715.360 χ^2/NDF: 27.0/26

Left In: 1741.730+/-553.254 χ^2/NDF:24.4/22

Left: 1482.688+/-386.910 χ^2/NDF: 48.7/47

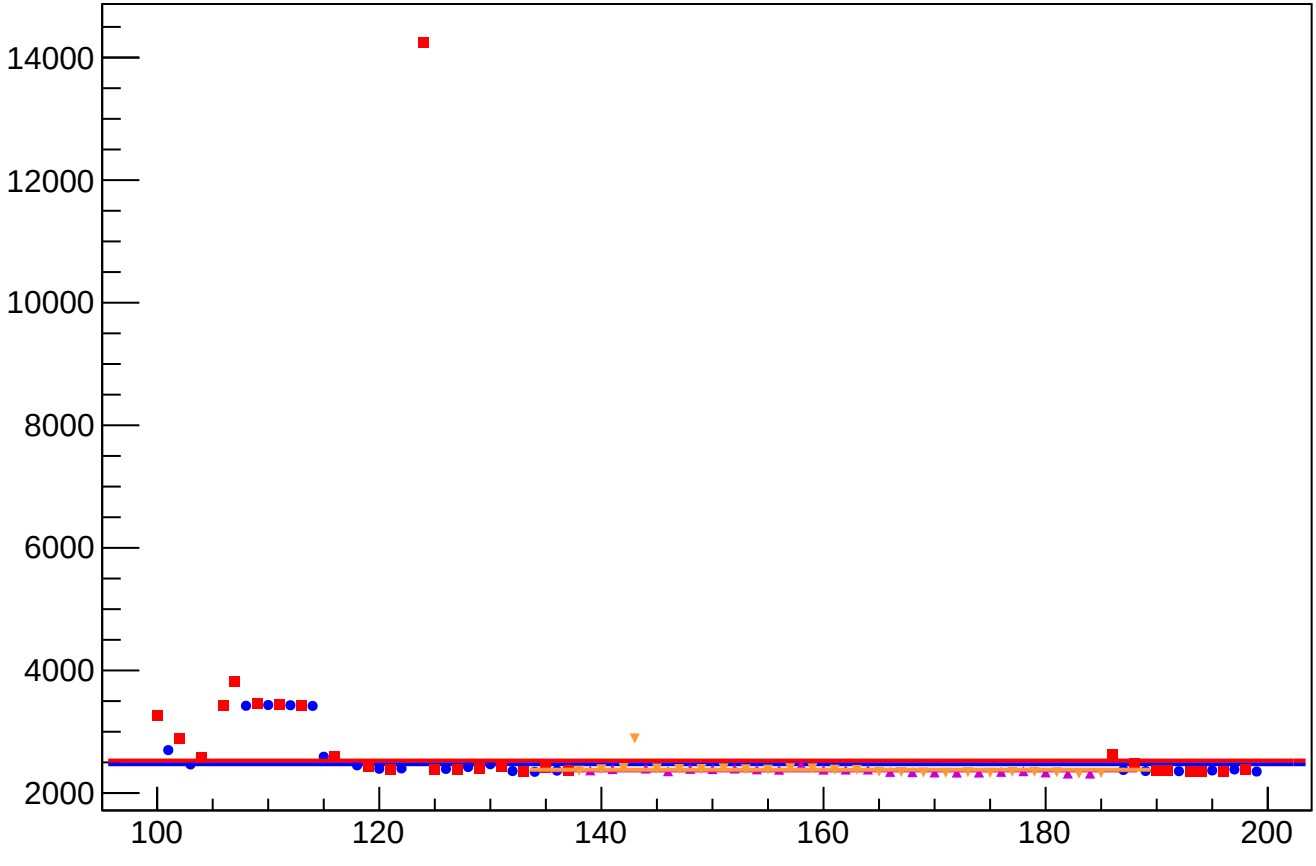
Right: 1553.042+/-511.244 χ^2/NDF: 42.5/48

In: 1743.348+/-441.129 χ^2/NDF:39.7/44

Out: 1283.267+/-431.646 χ^2/NDF:50.9/51

All: 1508.309+/-308.518 χ^2/NDF: 91.2/96

reg_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2470.435+/-0.517 χ^2/NDF: 255177.0/21

Left Out: 2381.235+/-0.383 χ^2/NDF:57623.2/24

Right Out: 2529.780+/-0.506 χ^2/NDF: 606296.9/26

Left In: 2369.384+/-0.391 χ^2/NDF:7034.0/22

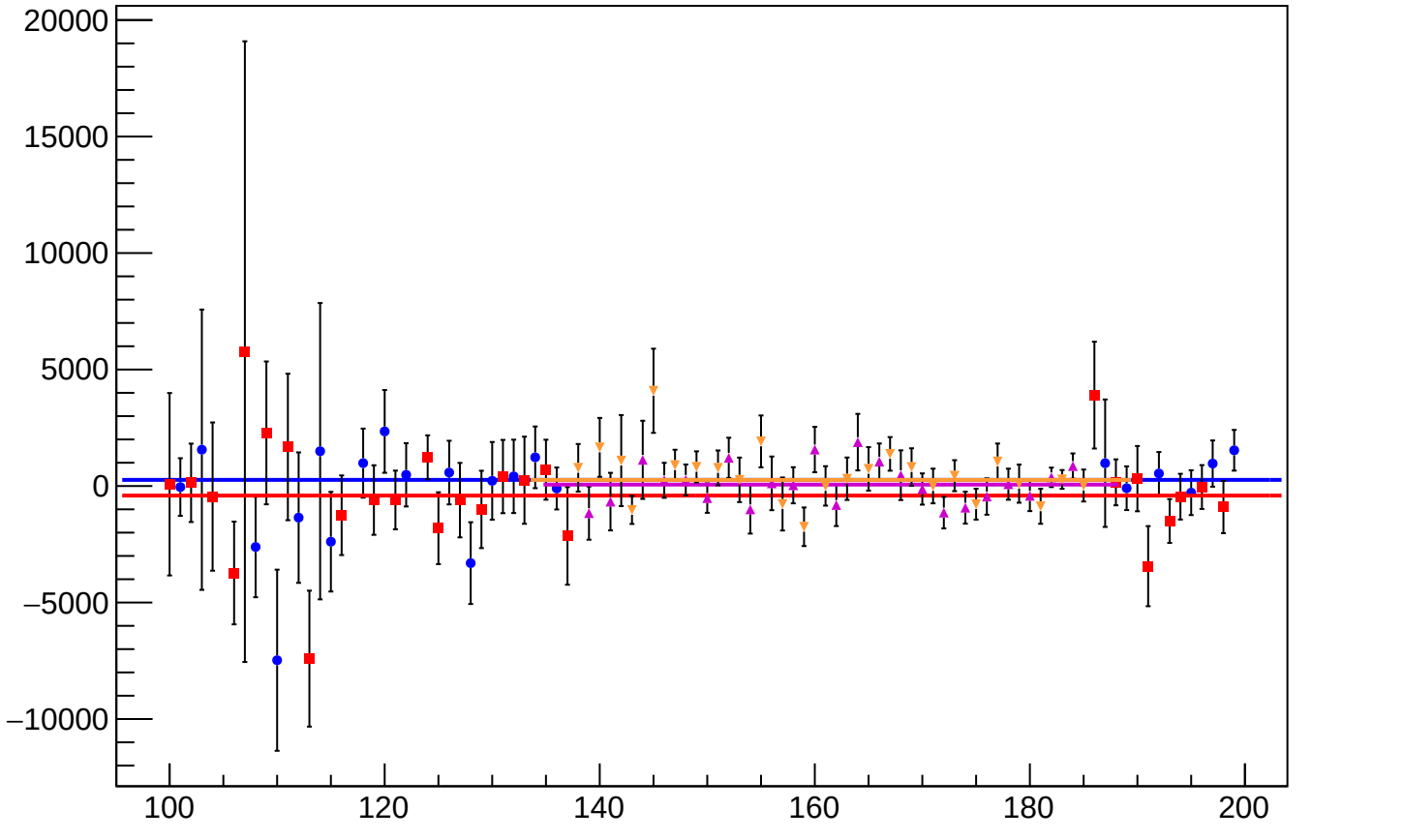
Left: 2375.439+/-0.274 χ^2/NDF: 65126.0/47

Right: 2500.746+/-0.362 χ^2/NDF: 868208.0/48

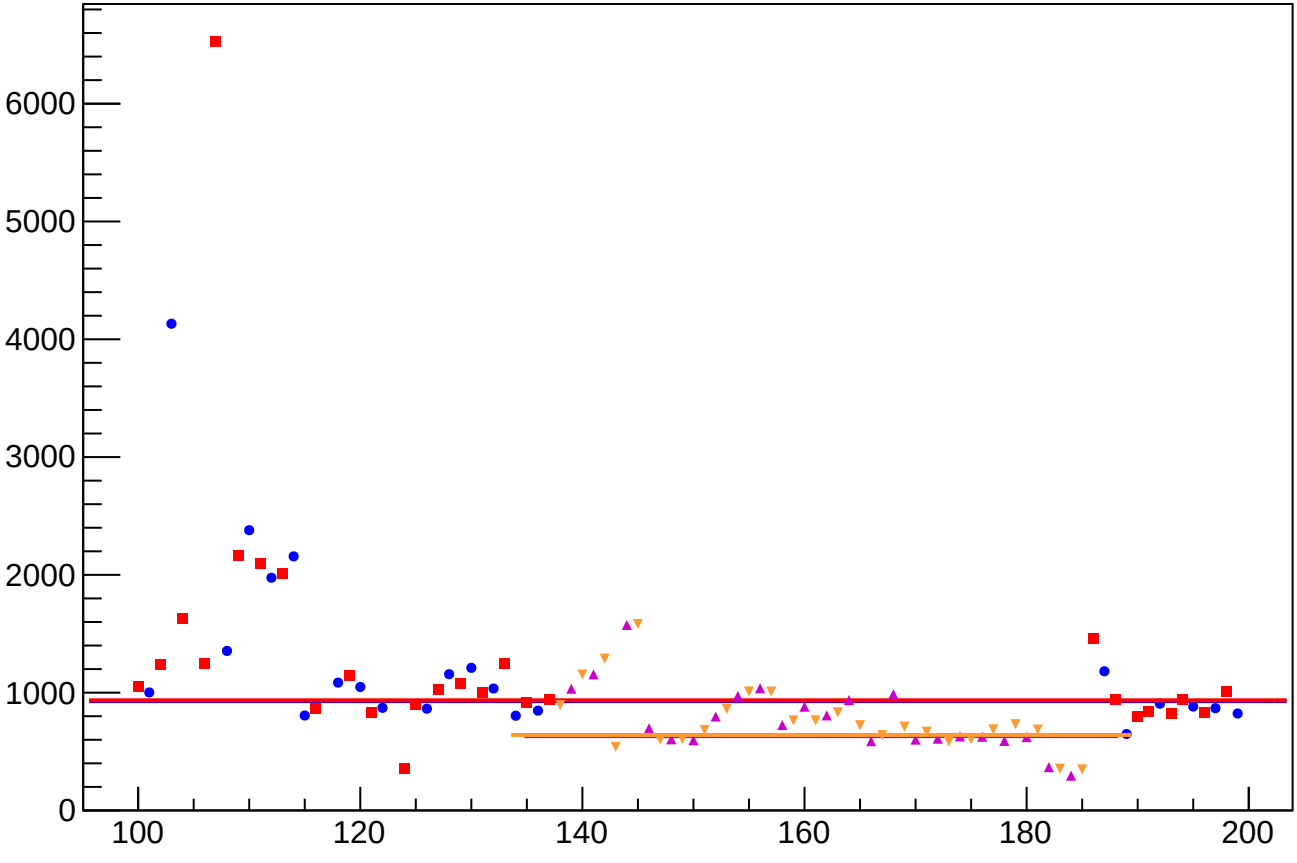
In: 2406.193+/-0.312 χ^2/NDF:286514.6/44

Out: 2435.319+/-0.305 χ^2/NDF:718759.6/51

All: 2421.072+/-0.218 χ^2/NDF: 1009728.4/96


asym_atl1_reg_correction_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
100
120
140
160
180
200
Right In: 264.453+/-289.554 χ²/NDF: 17.5/21
Left Out: 261.877+/-154.009 χ²/NDF:31.1/24
Right Out: -409.771+/-283.325 χ²/NDF: 24.6/26
Left In: 61.960+/-157.394 χ²/NDF:22.0/22
Left: 164.091+/-110.078 χ²/NDF: 53.9/47
Right: -79.988+/-202.507 χ²/NDF: 44.9/48
In: 108.145+/-138.284 χ²/NDF:39.9/44
Out: 108.685+/-135.311 χ²/NDF:60.1/51
All: 108.421+/-96.713 χ²/NDF: 100.0/96

asym_atl1_reg_correction_rms vs Slug, Sign Corrected



Right In: 927.982+/-0.205 χ^2/NDF: 1702379.3/21

Left Out: 641.156+/-0.109 χ^2/NDF:3474860.7/24

Right Out: 935.152+/-0.200 χ^2/NDF: 2513260.2/26

Left In: 631.199+/-0.111 χ^2/NDF:3975438.6/22

Left: 636.286+/-0.078 χ^2/NDF: 7454389.1/47

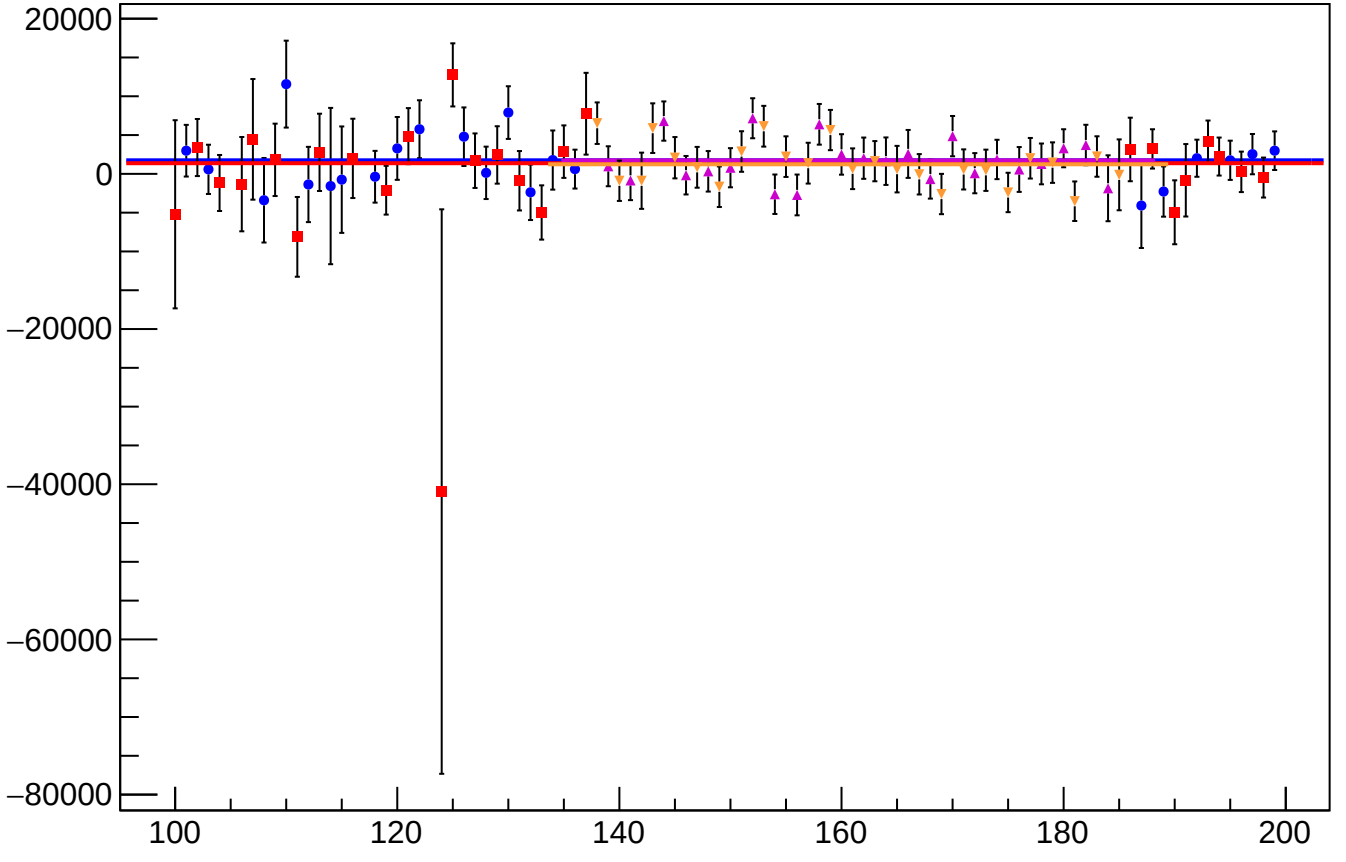
Right: 931.645+/-0.143 χ^2/NDF: 4216266.0/48

In: 698.889+/-0.098 χ^2/NDF:7299717.0/44

Out: 708.212+/-0.096 χ^2/NDF:7650433.0/51

All: 703.652+/-0.068 χ^2/NDF: 14954793.9/96

cor_asym_atl1_mean vs Slug, Sign Corrected



Right In: 1746.419+/-730.908 χ^2/NDF: 15.3/21

Left Out: 1234.706+/-541.289 χ^2/NDF:23.9/24

Right Out: 1373.136+/-715.475 χ^2/NDF: 26.9/26

Left In: 1741.784+/-553.254 χ^2/NDF:24.4/22

Left: 1482.702+/-386.910 χ^2/NDF: 48.7/47

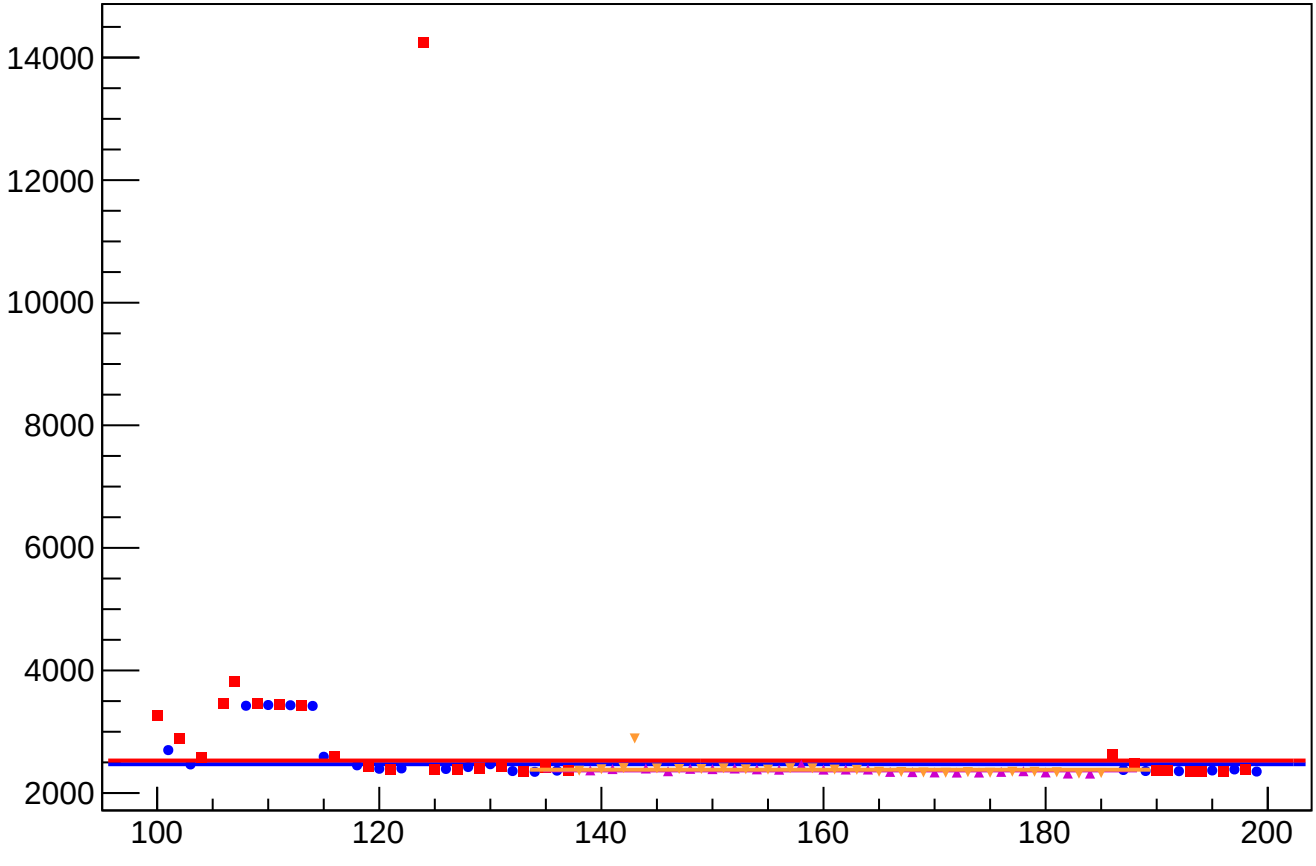
Right: 1555.795+/-511.286 χ^2/NDF: 42.4/48

In: 1743.472+/-441.129 χ^2/NDF:39.7/44

Out: 1285.096+/-431.672 χ^2/NDF:50.8/51

All: 1509.318+/-308.527 χ^2/NDF: 91.1/96

cor_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2470.436+/-0.517 χ^2/NDF: 255177.0/21

Left Out: 2381.235+/-0.383 χ^2/NDF:57623.2/24

Right Out: 2530.036+/-0.506 χ^2/NDF: 609127.4/26

Left In: 2369.384+/-0.391 χ^2/NDF:7034.0/22

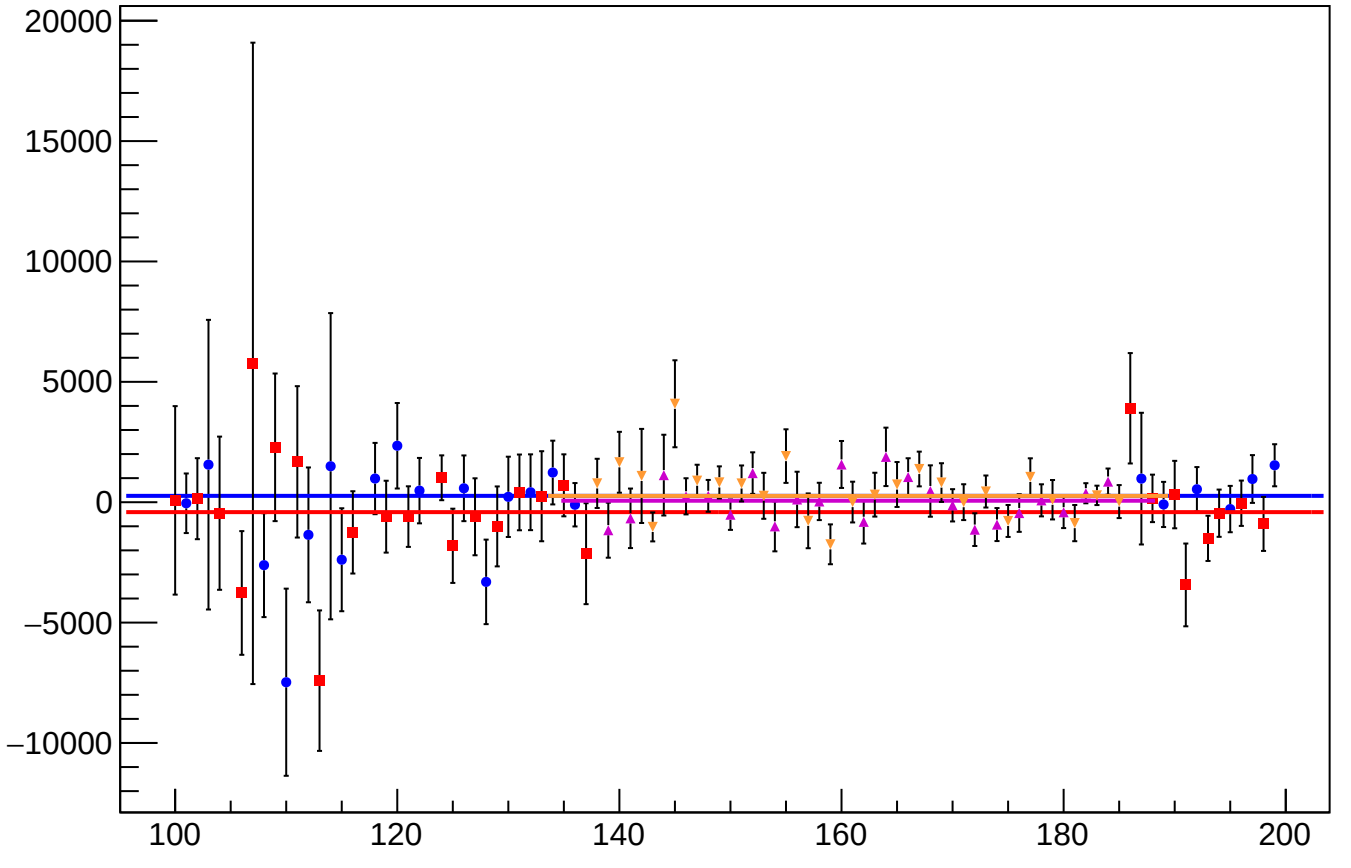
Left: 2375.439+/-0.274 χ^2/NDF: 65126.0/47

Right: 2500.872+/-0.362 χ^2/NDF: 871095.7/48

In: 2406.193+/-0.312 χ^2/NDF:286514.6/44

Out: 2435.401+/-0.305 χ^2/NDF:721768.0/51

All: 2421.113+/-0.218 χ^2/NDF: 1012761.7/96



Right In: 264.414+/-289.553 χ^2/NDF: 17.6/21

Left Out: 262.160+/-154.012 χ^2/NDF:31.1/24

Right Out: -411.514+/-283.602 χ^2/NDF: 23.4/26

Left In: 61.976+/-157.393 χ^2/NDF:22.0/22

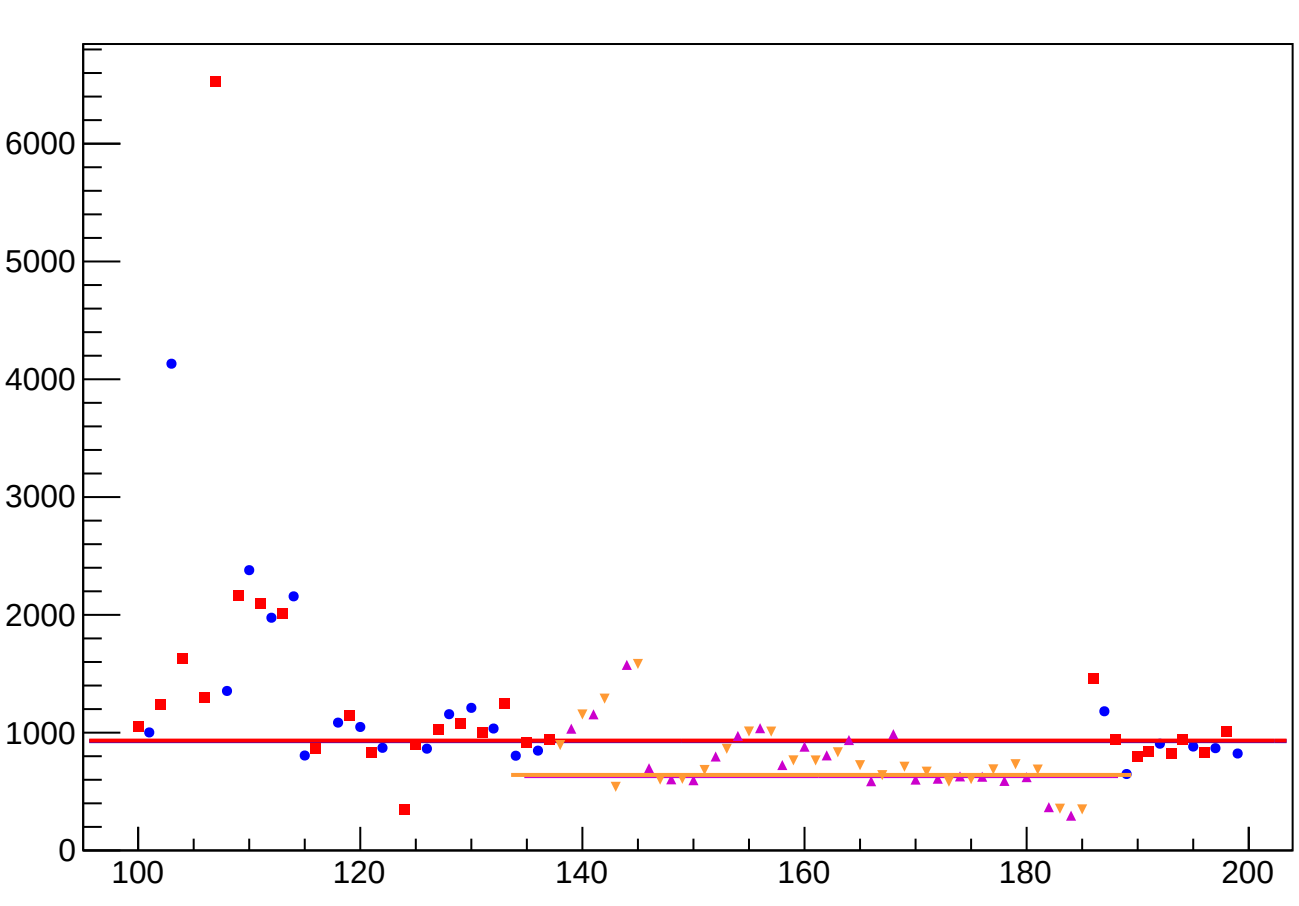
Left: 164.242+/-110.079 χ^2/NDF: 53.9/47

Right: -80.568+/-202.608 χ^2/NDF: 43.7/48

In: 108.148+/-138.284 χ^2/NDF:39.9/44

Out: 108.734+/-135.342 χ^2/NDF:58.8/51

All: 108.448+/-96.725 χ^2/NDF: 98.7/96



Right In: 927.983+/-0.205 χ^2/NDF: 1702341.1/21

Left Out: 641.169+/-0.109 χ^2/NDF:3474589.1/24

Right Out: 932.563+/-0.201 χ^2/NDF: 2544747.9/26

Left In: 631.196+/-0.111 χ^2/NDF:3975563.1/22

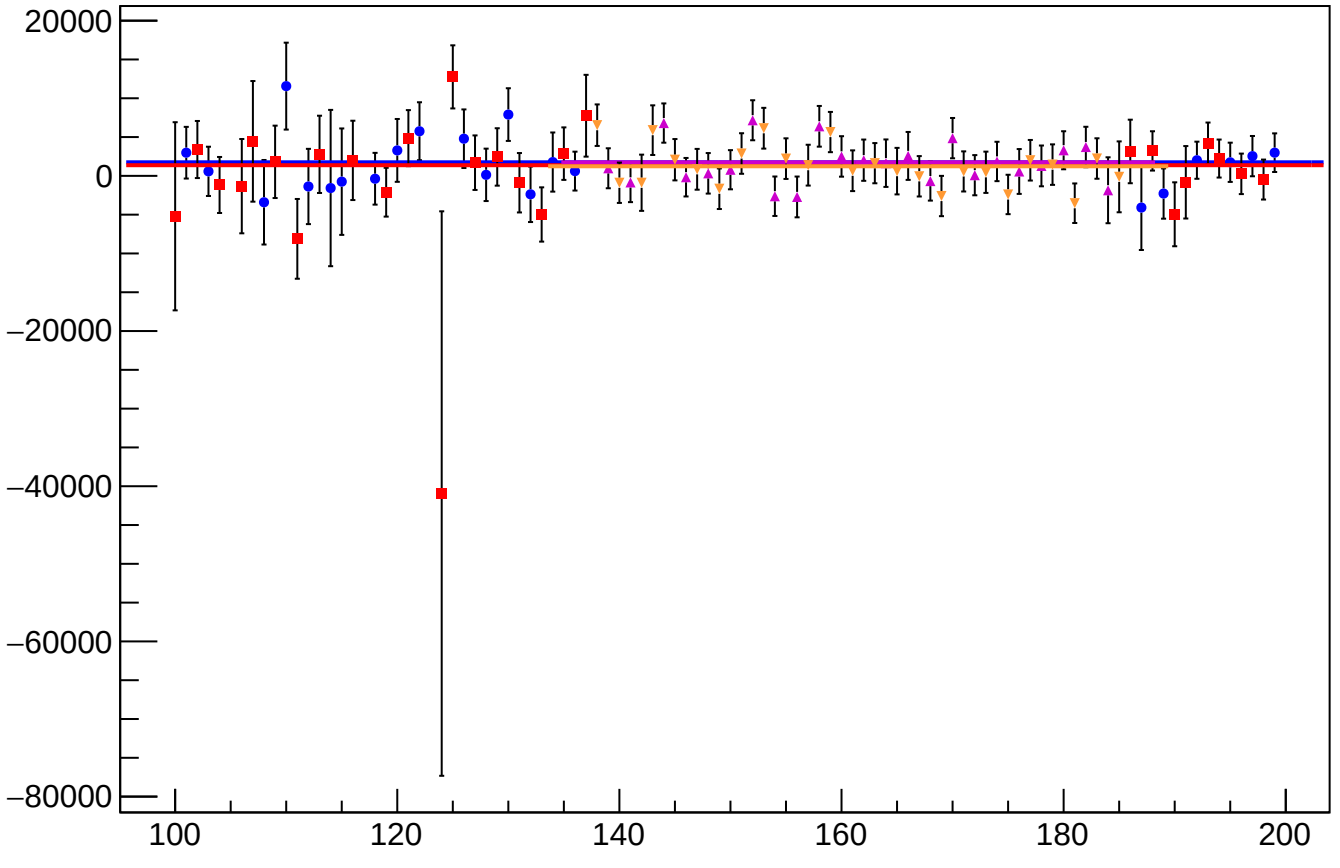
Left: 636.291+/-0.078 χ^2/NDF: 7454254.5/47

Right: 930.320+/-0.143 χ^2/NDF: 4247344.4/48

In: 698.887+/-0.098 χ^2/NDF:7299840.6/44

Out: 707.533+/-0.096 χ^2/NDF:7649876.1/51

All: 703.303+/-0.068 χ^2/NDF: 14953709.4/96



Right In: 1746.419+/-730.908 χ^2/NDF: 15.3/21

Left Out: 1234.706+/-541.289 χ^2/NDF:23.9/24

Right Out: 1373.136+/-715.475 χ^2/NDF: 26.9/26

Left In: 1741.784+/-553.254 χ^2/NDF:24.4/22

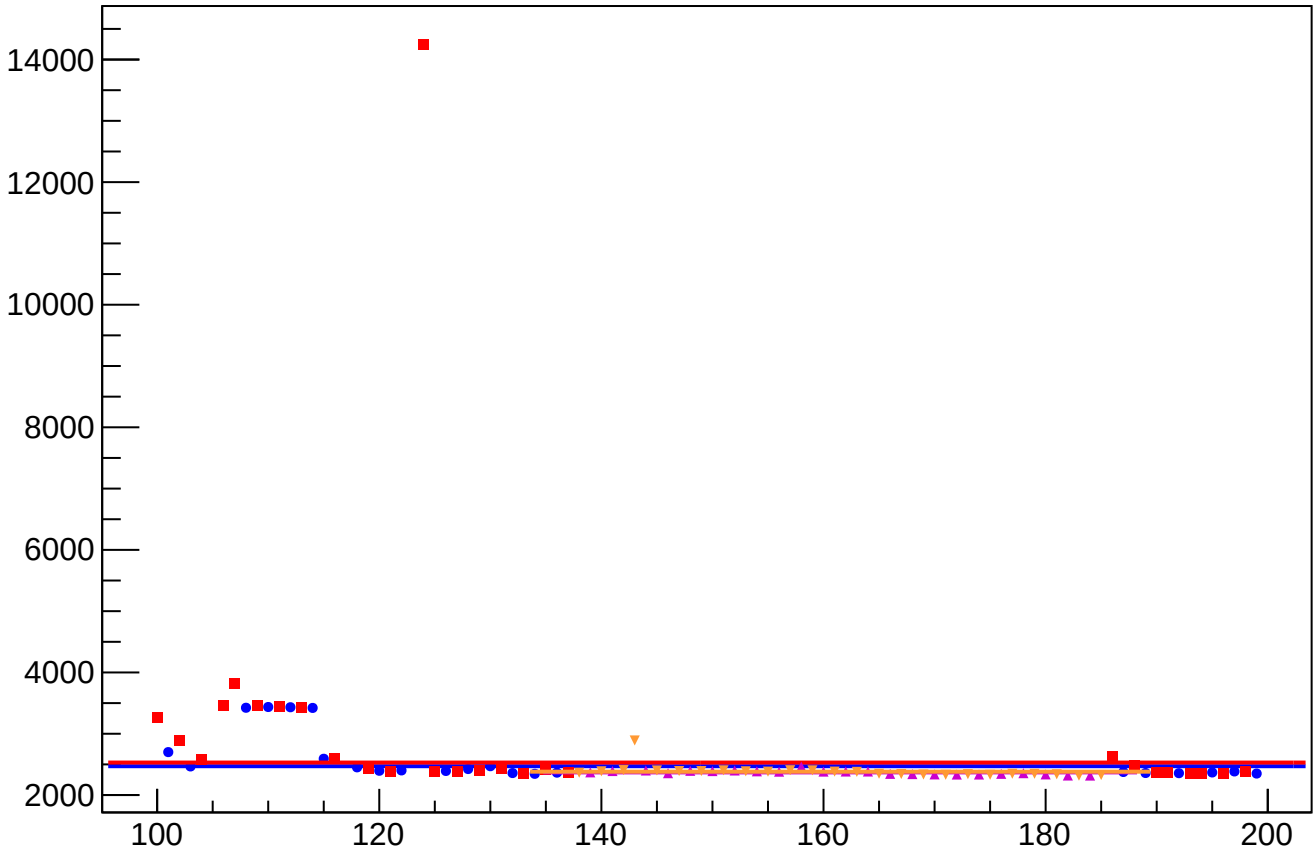
Left: 1482.702+/-386.910 χ^2/NDF: 48.7/47

Right: 1555.795+/-511.286 χ^2/NDF: 42.4/48

In: 1743.472+/-441.129 χ^2/NDF:39.7/44

Out: 1285.096+/-431.672 χ^2/NDF:50.8/51

All: 1509.318+/-308.527 χ^2/NDF: 91.1/96



Right In: 2470.436+/-0.517 χ^2/NDF: 255177.0/21

Left Out: 2381.235+/-0.383 χ^2/NDF:57623.2/24

Right Out: 2530.036+/-0.506 χ^2/NDF: 609127.4/26

Left In: 2369.384+/-0.391 χ^2/NDF:7034.0/22

Left: 2375.439+/-0.274 χ^2/NDF: 65126.0/47

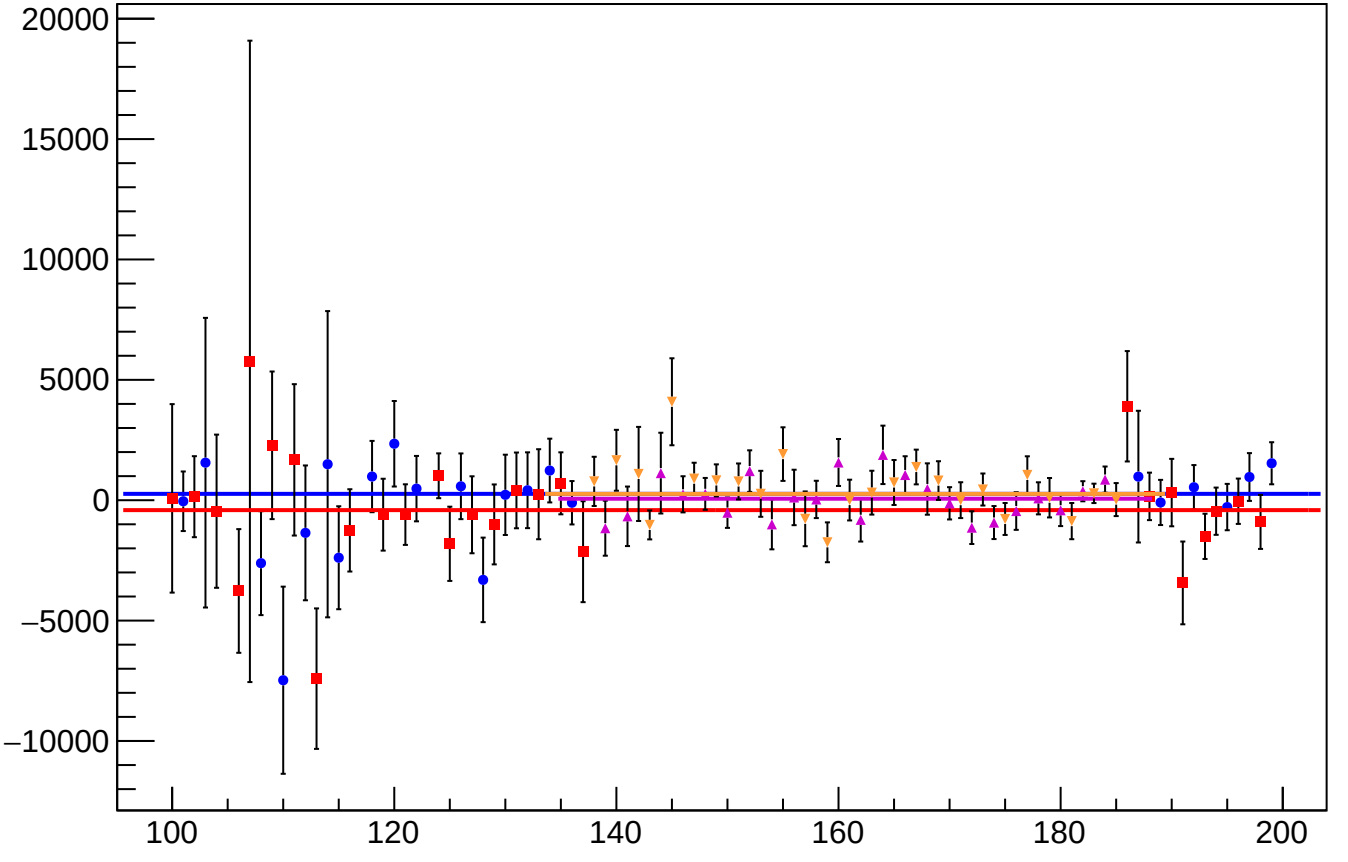
Right: 2500.872+/-0.362 χ^2/NDF: 871095.7/48

In: 2406.193+/-0.312 χ^2/NDF:286514.6/44

Out: 2435.401+/-0.305 χ^2/NDF:721768.0/51

All: 2421.113+/-0.218 χ^2/NDF: 1012761.7/96

asym_atl1_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 264.414+/-289.553 χ^2/NDF: 17.6/21

Left Out: 262.160+/-154.012 χ^2/NDF:31.1/24

Right Out: -411.514+/-283.602 χ^2/NDF: 23.4/26

Left In: 61.976+/-157.393 χ^2/NDF:22.0/22

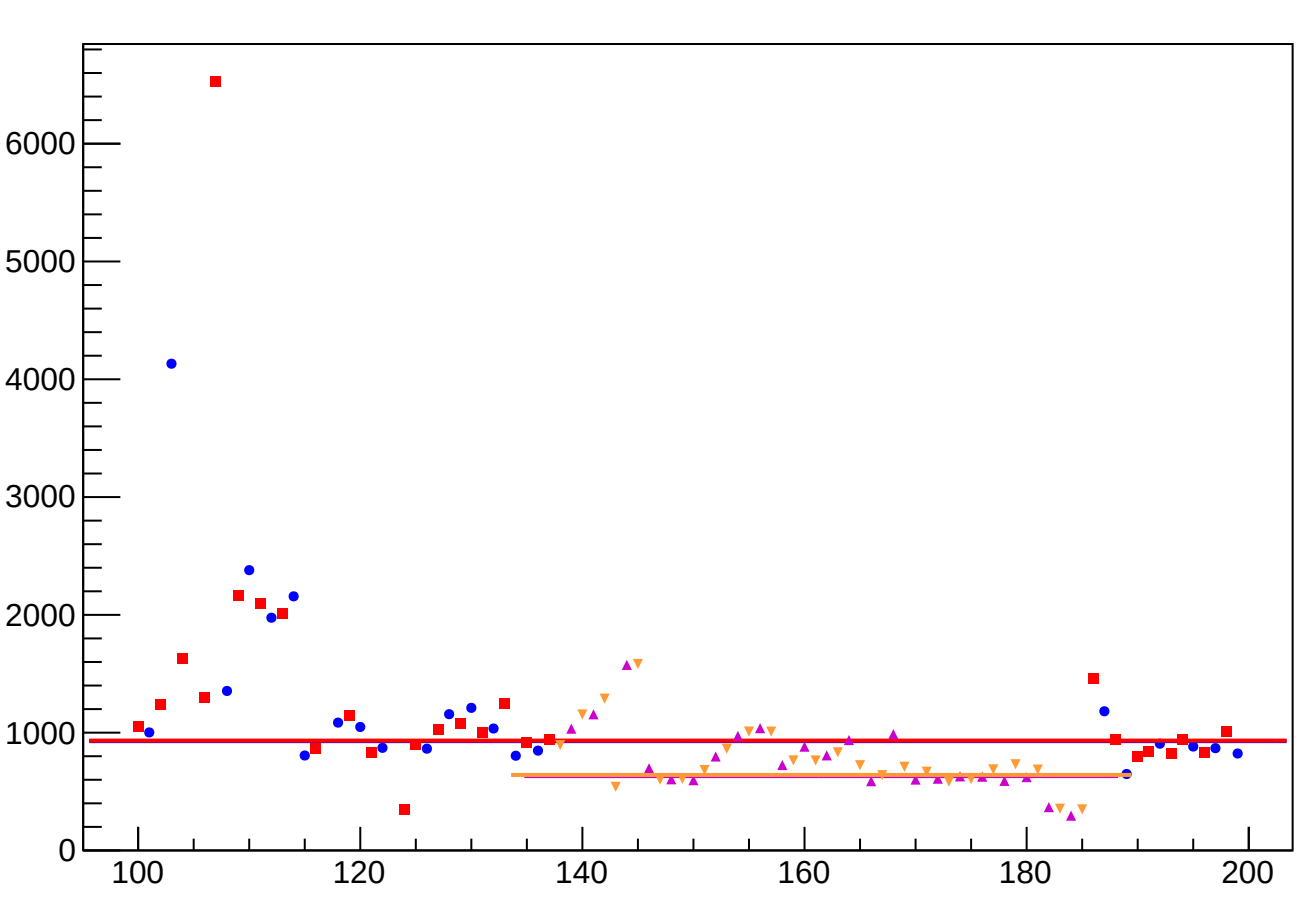
Left: 164.242+/-110.079 χ^2/NDF: 53.9/47

Right: -80.568+/-202.608 χ^2/NDF: 43.7/48

In: 108.148+/-138.284 χ^2/NDF:39.9/44

Out: 108.734+/-135.342 χ^2/NDF:58.8/51

All: 108.448+/-96.725 χ^2/NDF: 98.7/96



Right In: 927.983+/-0.205 χ^2/NDF: 1702341.1/21

Left Out: 641.169+/-0.109 χ^2/NDF:3474589.1/24

Right Out: 932.563+/-0.201 χ^2/NDF: 2544747.9/26

Left In: 631.196+/-0.111 χ^2/NDF:3975563.1/22

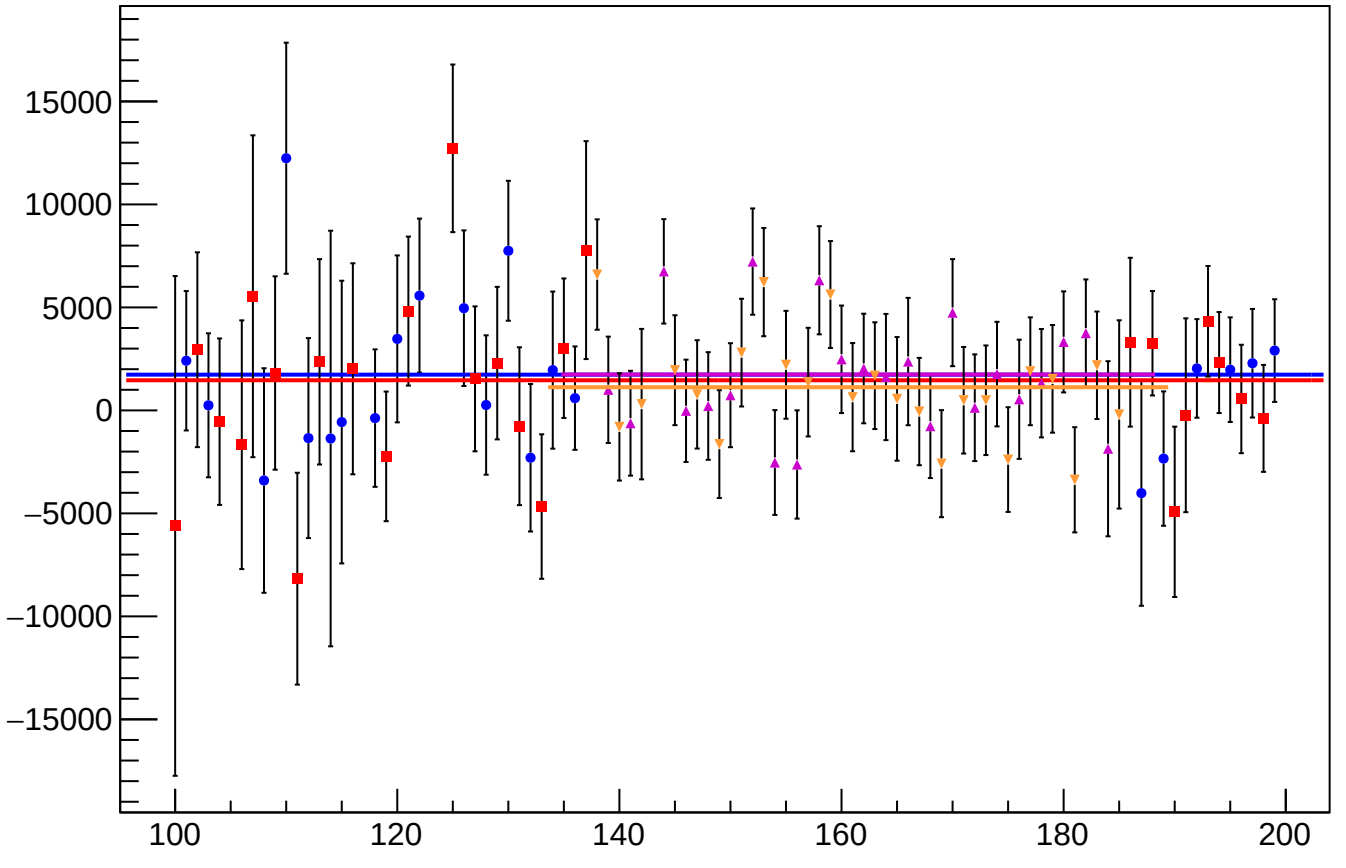
Left: 636.291+/-0.078 χ^2/NDF: 7454254.5/47

Right: 930.320+/-0.143 χ^2/NDF: 4247344.4/48

In: 698.887+/-0.098 χ^2/NDF:7299840.6/44

Out: 707.533+/-0.096 χ^2/NDF:7649876.1/51

All: 703.303+/-0.068 χ^2/NDF: 14953709.4/96



Right In: 1735.193+/-736.815 χ^2/NDF: 15.4/21

Left Out: 1125.562+/-549.834 χ^2/NDF:21.2/23

Right Out: 1462.862+/-725.767 χ^2/NDF: 24.9/25

Left In: 1742.304+/-553.755 χ^2/NDF:23.8/22

Left: 1431.742+/-390.170 χ^2/NDF: 45.6/46

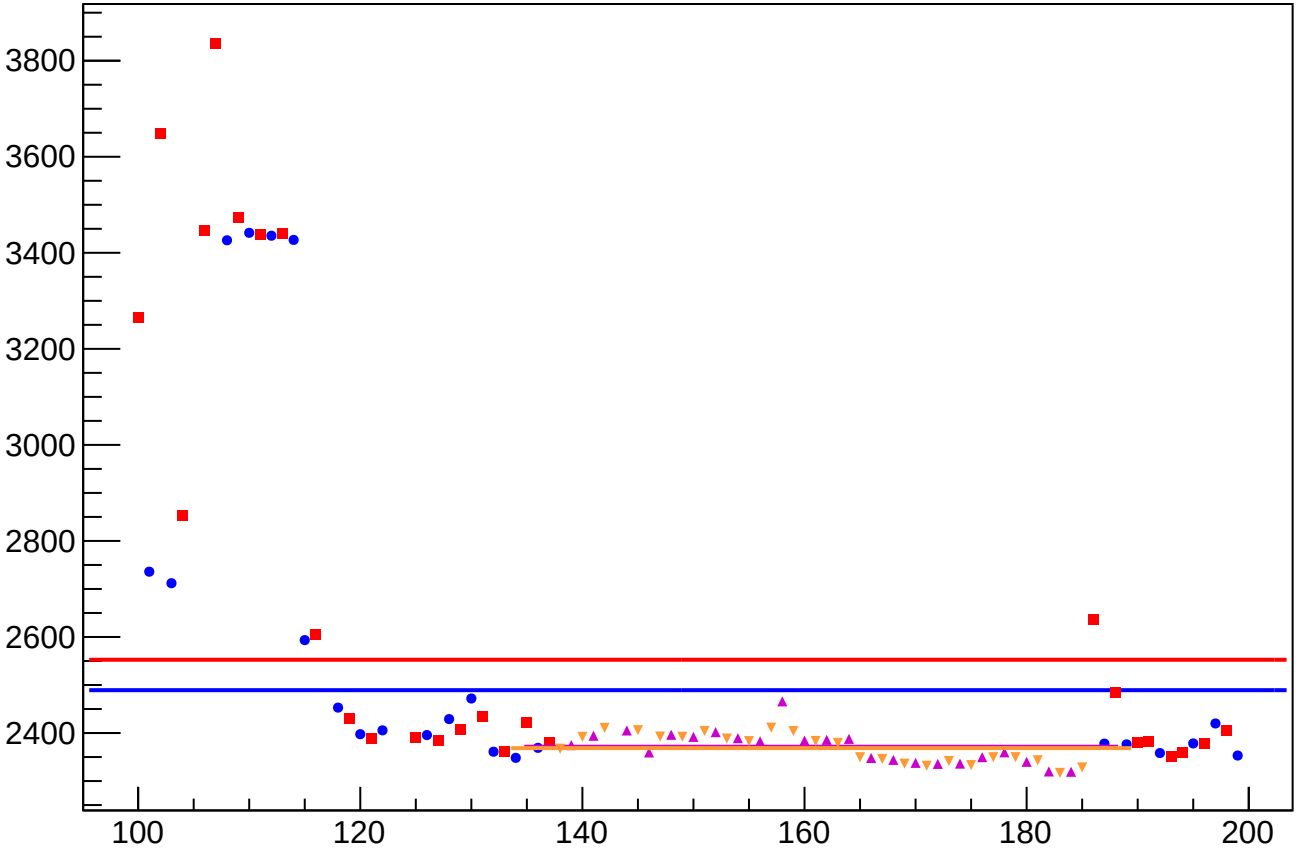
Right: 1596.970+/-517.057 χ^2/NDF: 40.3/47

In: 1739.737+/-442.674 χ^2/NDF:39.1/44

Out: 1248.559+/-438.265 χ^2/NDF:46.2/49

All: 1491.690+/-311.447 χ^2/NDF: 86.0/94

dit_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2489.223+/-0.521 χ^2/NDF: 263650.7/21

Left Out: 2368.569+/-0.389 χ^2/NDF:5571.3/23

Right Out: 2552.577+/-0.513 χ^2/NDF: 501478.7/25

Left In: 2371.518+/-0.392 χ^2/NDF:7053.5/22

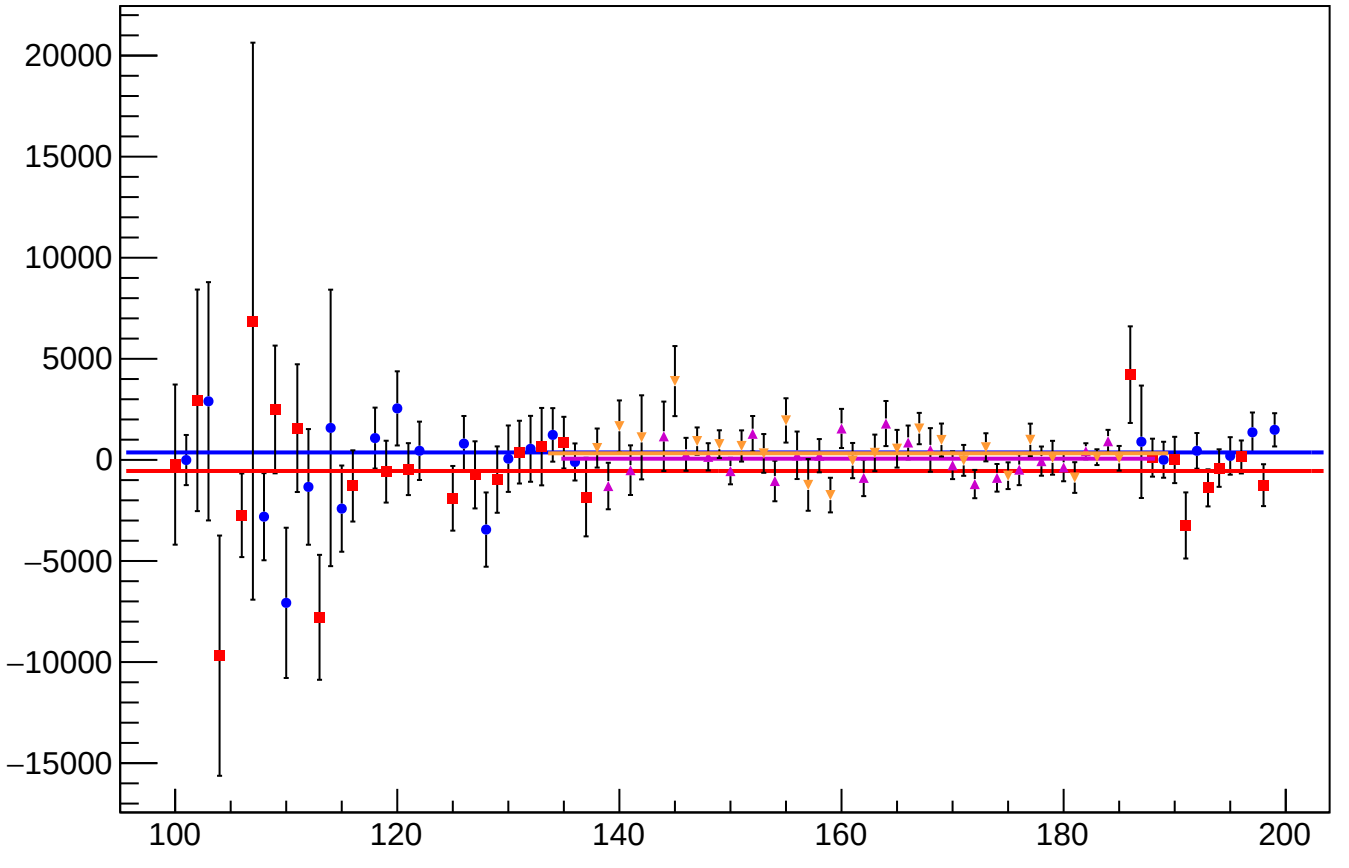
Left: 2370.033+/-0.276 χ^2/NDF: 12653.4/46

Right: 2521.378+/-0.366 χ^2/NDF: 772634.5/47

In: 2414.004+/-0.313 χ^2/NDF:303320.3/44

Out: 2435.668+/-0.310 χ^2/NDF:588731.1/49

All: 2424.944+/-0.220 χ^2/NDF: 894470.5/94



Right In: 369.296+/-285.740 χ^2/NDF: 18.5/21

Left Out: 325.955+/-160.041 χ^2/NDF:26.8/23

Right Out: -548.619+/-289.313 χ^2/NDF: 23.9/25

Left In: 59.619+/-159.669 χ^2/NDF:22.7/22

Left: 192.477+/-113.035 χ^2/NDF: 50.9/46

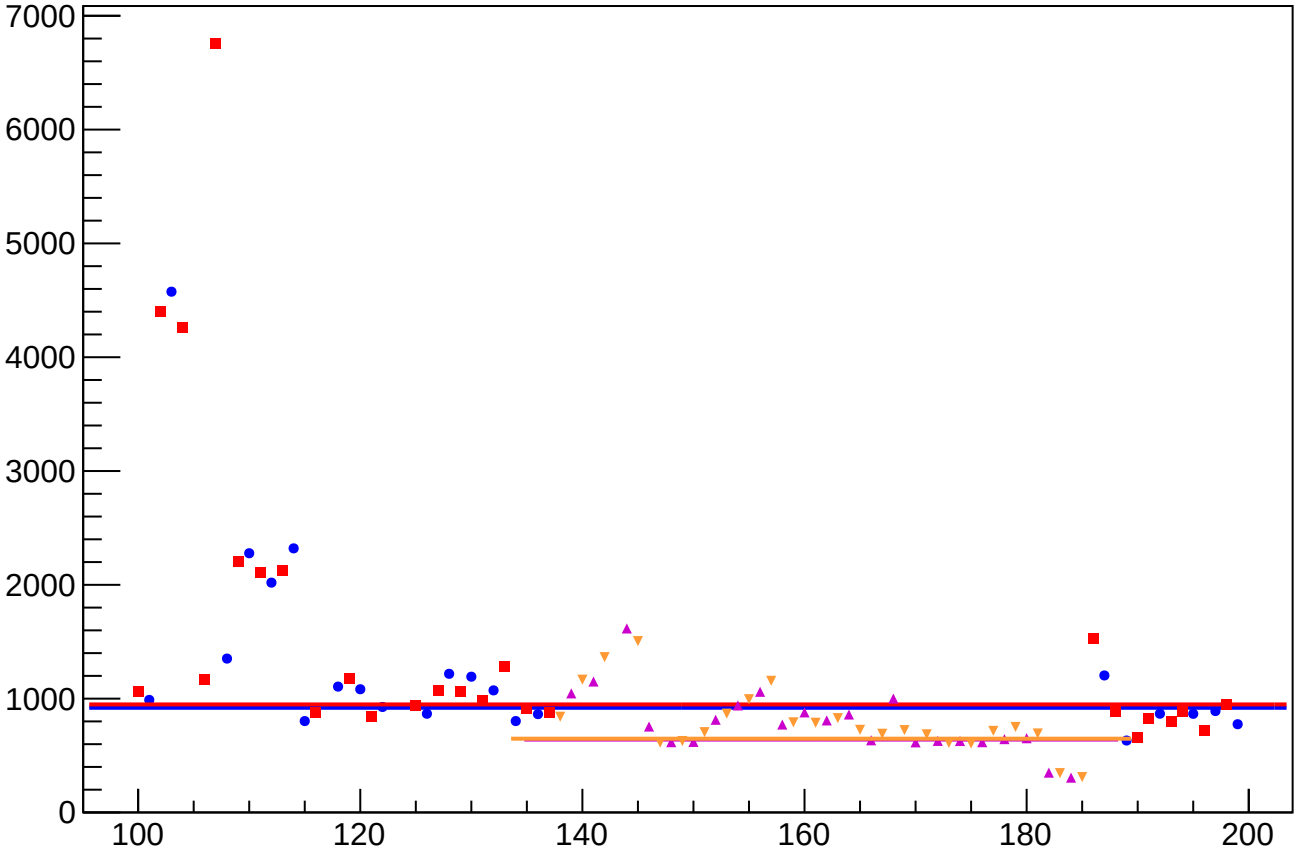
Right: -83.958+/-203.300 χ^2/NDF: 47.4/47

In: 133.306+/-139.384 χ^2/NDF:42.1/44

Out: 121.037+/-140.042 χ^2/NDF:57.7/49

All: 127.201+/-98.791 χ^2/NDF: 99.7/94

asym_atl1_dit_correction_rms vs Slug, Sign Corrected



Right In: 919.883+/-0.202 χ^2/NDF: 2013427.8/21

Left Out: 648.100+/-0.113 χ^2/NDF:3886991.8/23

Right Out: 949.127+/-0.205 χ^2/NDF: 3300574.4/25

Left In: 640.422+/-0.113 χ^2/NDF:4128760.4/22

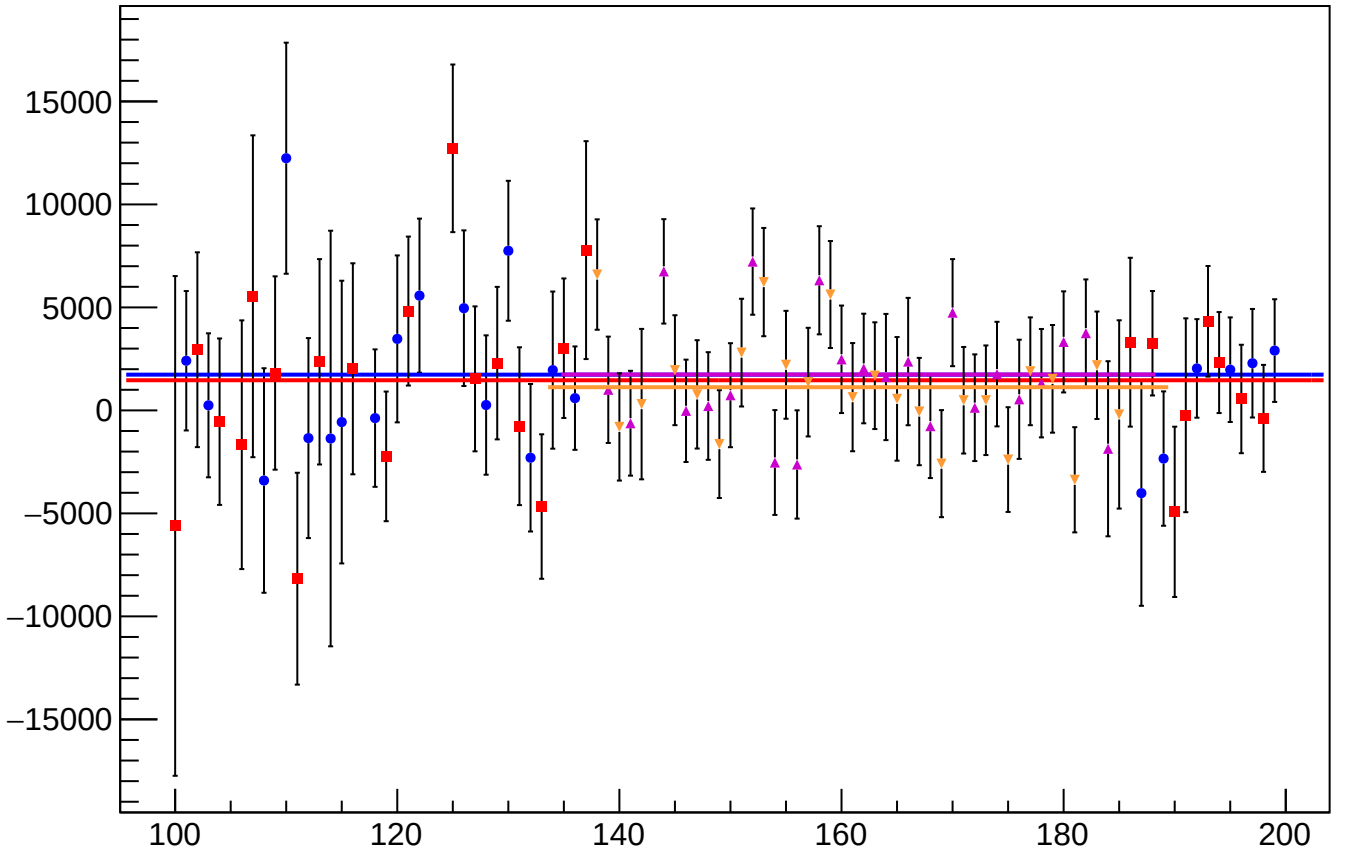
Left: 644.252+/-0.080 χ^2/NDF: 8018059.4/46

Right: 934.323+/-0.144 χ^2/NDF: 5324346.4/47

In: 706.920+/-0.099 χ^2/NDF:7600045.2/44

Out: 718.633+/-0.099 χ^2/NDF:8845465.5/49

All: 712.749+/-0.070 χ^2/NDF: 16452539.1/94



Right In: 1735.191+/-736.815 χ^2/NDF: 15.4/21

Left Out: 1125.562+/-549.834 χ^2/NDF:21.2/23

Right Out: 1462.861+/-725.767 χ^2/NDF: 24.9/25

Left In: 1742.305+/-553.755 χ^2/NDF:23.8/22

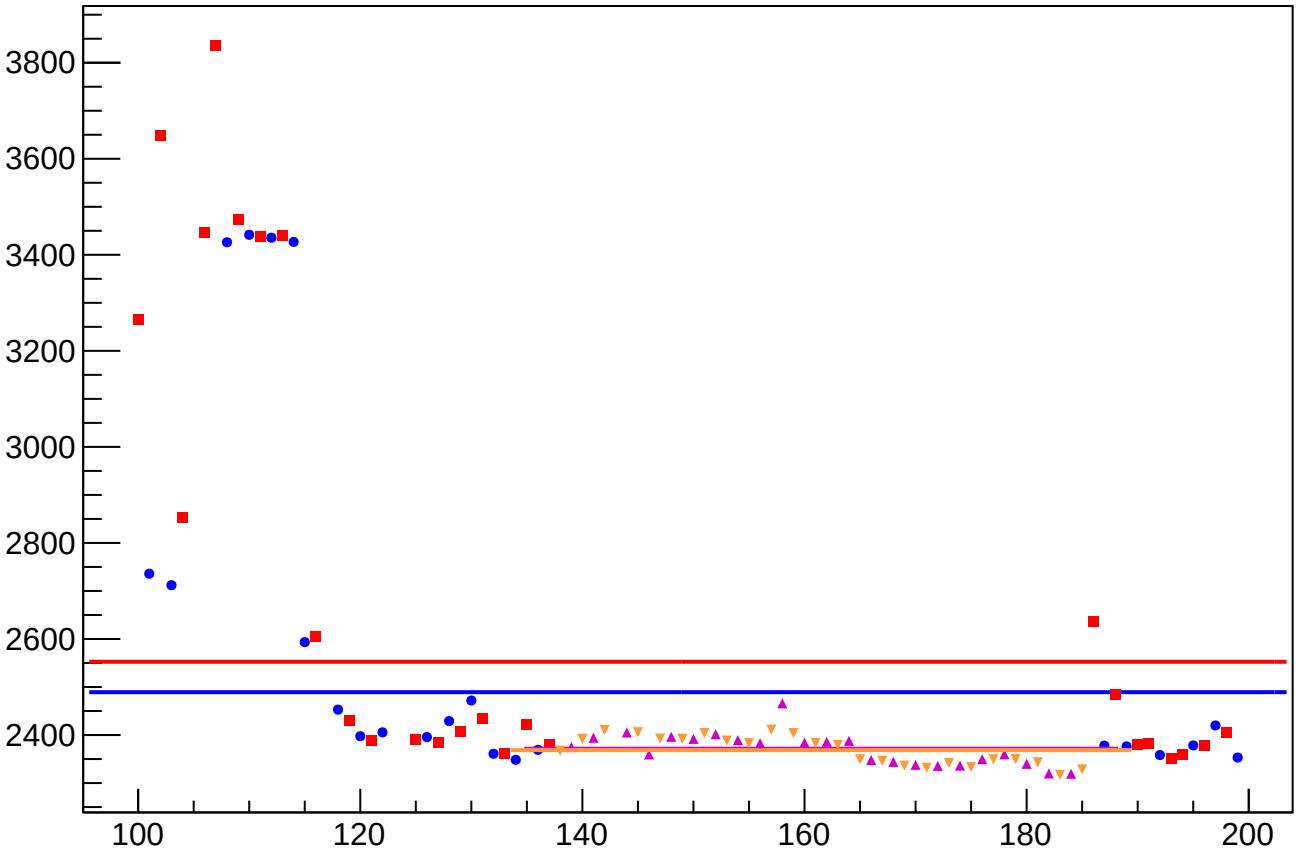
Left: 1431.742+/-390.170 χ^2/NDF: 45.6/46

Right: 1596.969+/-517.056 χ^2/NDF: 40.3/47

In: 1739.737+/-442.674 χ^2/NDF:39.1/44

Out: 1248.559+/-438.265 χ^2/NDF:46.2/49

All: 1491.690+/-311.447 χ^2/NDF: 86.0/94



Right In: 2489.222+/-0.521 χ^2/NDF: 263650.3/21

Left Out: 2368.569+/-0.389 χ^2/NDF:5571.3/23

Right Out: 2552.577+/-0.513 χ^2/NDF: 501477.9/25

Left In: 2371.518+/-0.392 χ^2/NDF:7053.5/22

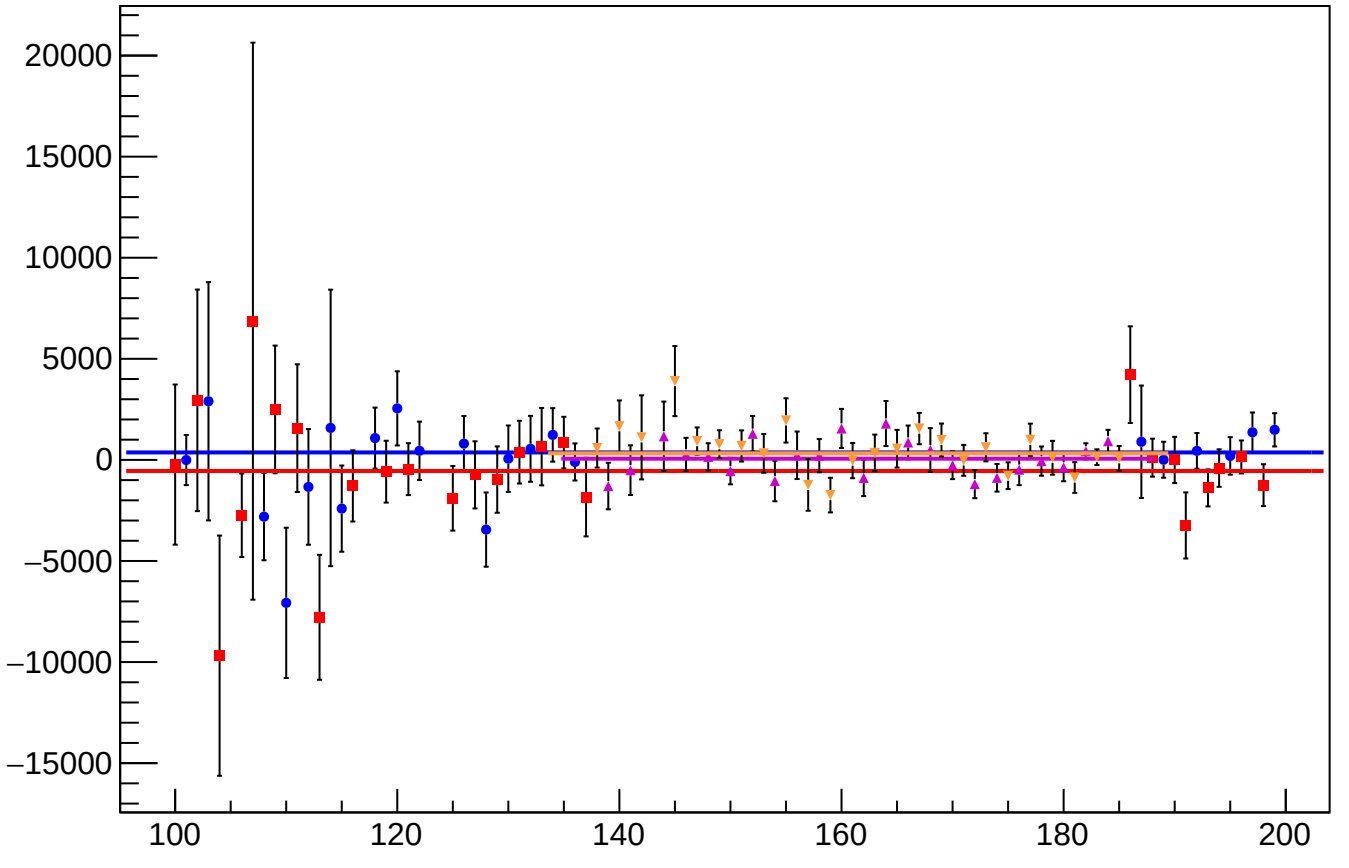
Left: 2370.033+/-0.276 χ^2/NDF: 12653.4/46

Right: 2521.378+/-0.366 χ^2/NDF: 772633.3/47

In: 2414.004+/-0.313 χ^2/NDF:303319.8/44

Out: 2435.668+/-0.310 χ^2/NDF:588730.1/49

All: 2424.944+/-0.220 χ^2/NDF: 894469.0/94



Right In: 369.295+/-285.740 χ^2/NDF: 18.5/21

Left Out: 325.955+/-160.042 χ^2/NDF:26.8/23

Right Out: -548.620+/-289.313 χ^2/NDF: 23.9/25

Left In: 59.619+/-159.670 χ^2/NDF:22.7/22

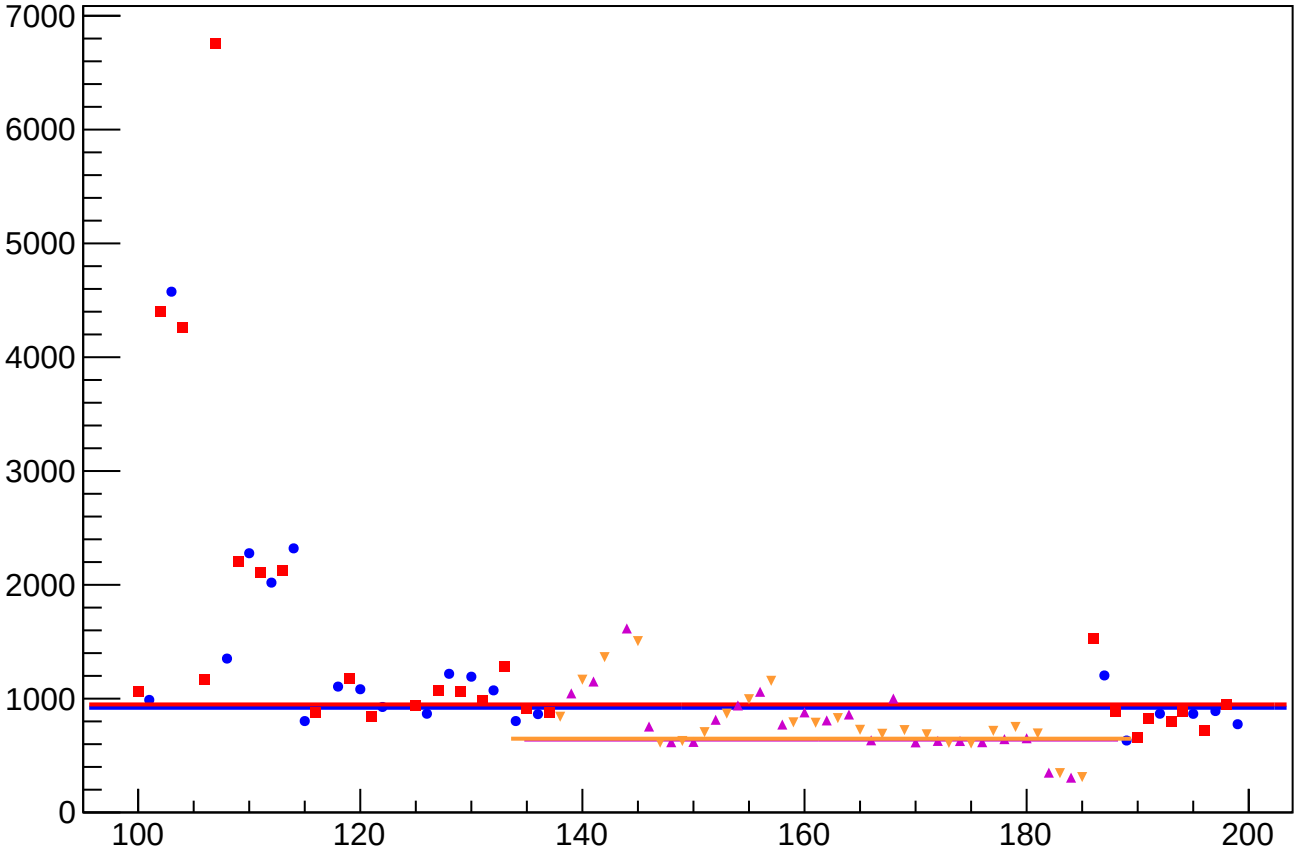
Left: 192.477+/-113.035 χ^2/NDF: 50.9/46

Right: -83.958+/-203.300 χ^2/NDF: 47.4/47

In: 133.307+/-139.384 χ^2/NDF:42.1/44

Out: 121.036+/-140.043 χ^2/NDF:57.7/49

All: 127.200+/-98.791 χ^2/NDF: 99.7/94



Right In: 919.883+/-0.202 χ^2/NDF: 2013425.7/21

Left Out: 648.101+/-0.113 χ^2/NDF:3887001.9/23

Right Out: 949.127+/-0.205 χ^2/NDF: 3300572.9/25

Left In: 640.423+/-0.113 χ^2/NDF:4128774.2/22

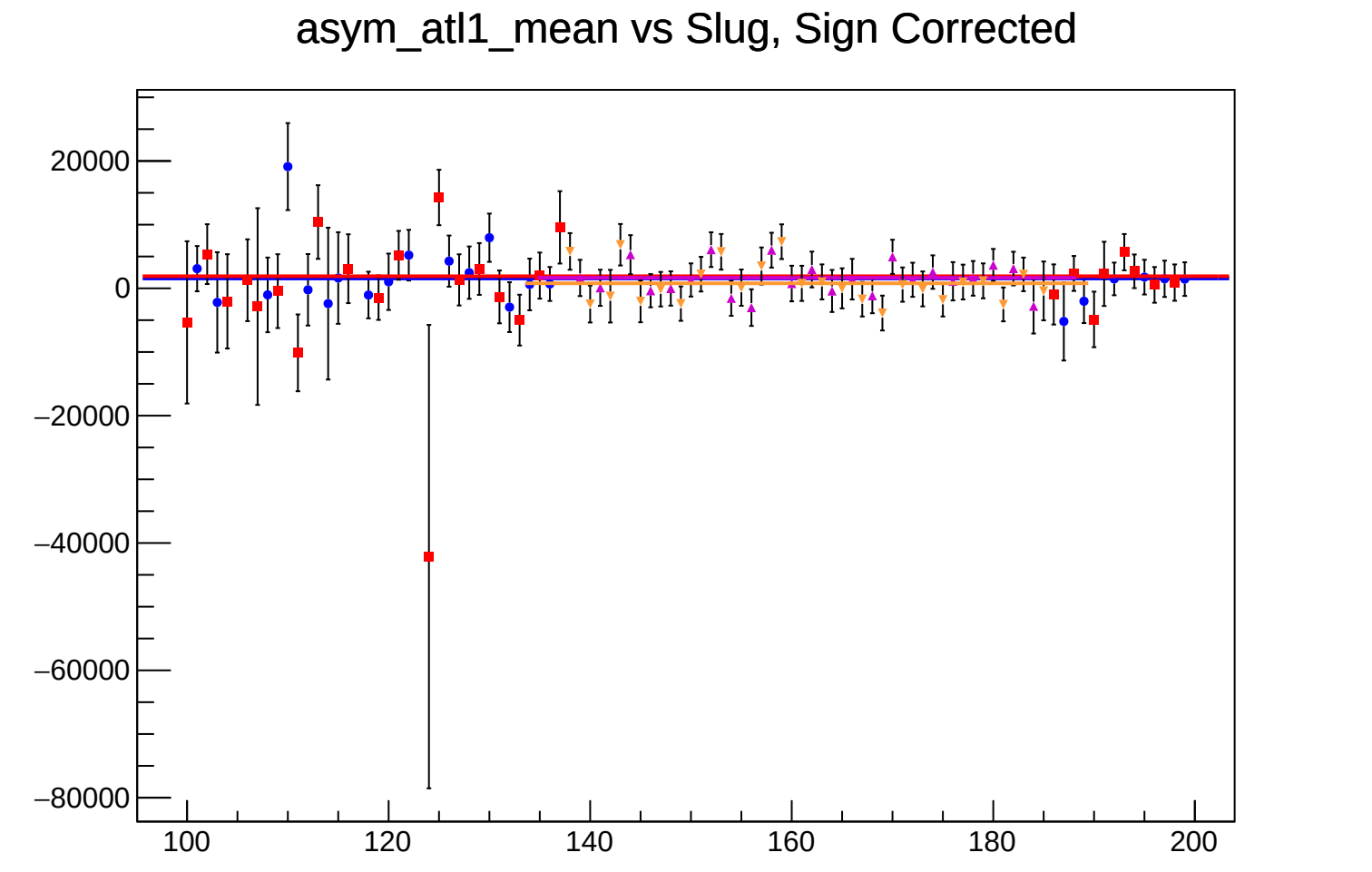
Left: 644.253+/-0.080 χ^2/NDF: 8018083.4/46

Right: 934.323+/-0.144 χ^2/NDF: 5324342.7/47

In: 706.920+/-0.099 χ^2/NDF:7600045.9/44

Out: 718.633+/-0.099 χ^2/NDF:8845461.2/49

All: 712.749+/-0.070 χ^2/NDF: 16452535.6/94



Right In: 1548.774+/-812.580 χ^2/NDF: 16.0/21

Left Out: 791.438+/-573.266 χ^2/NDF:27.1/24

Right Out: 1896.831+/-800.671 χ^2/NDF: 29.4/26

Left In: 1654.626+/-586.767 χ^2/NDF:17.3/22

Left: 1212.987+/-410.050 χ^2/NDF: 45.6/47

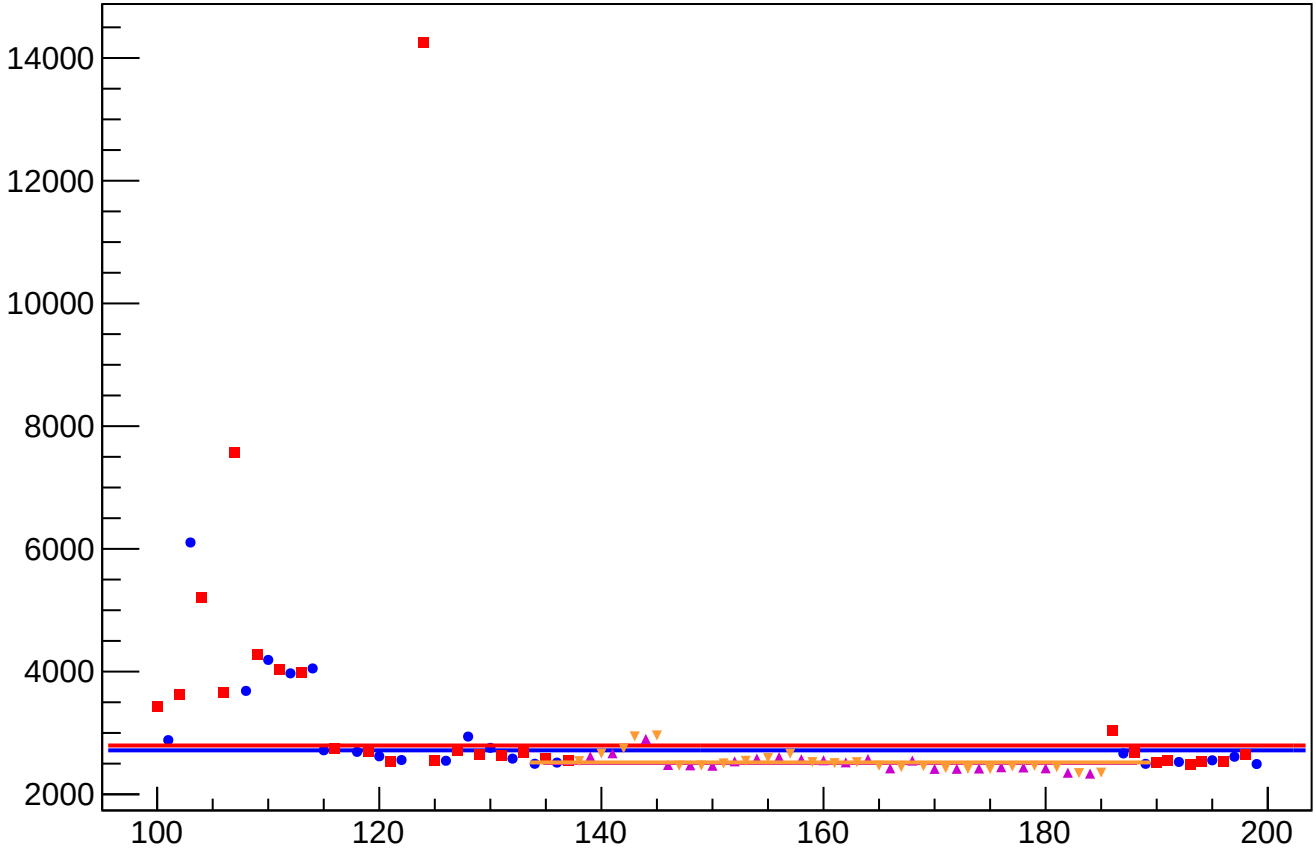
Right: 1725.372+/-570.324 χ^2/NDF: 45.4/48

In: 1618.348+/-475.707 χ^2/NDF:33.3/44

Out: 1166.055+/-466.112 χ^2/NDF:57.7/51

All: 1387.594+/-332.931 χ^2/NDF: 91.5/96

asym_atl1_rms vs Slug, Sign Corrected



Right In: 2716.494+/-0.575 χ^2/NDF: 723238.0/21

Left Out: 2519.516+/-0.405 χ^2/NDF:115204.3/24

Right Out: 2795.597+/-0.566 χ^2/NDF: 1127691.4/26

Left In: 2510.156+/-0.415 χ^2/NDF:73771.4/22

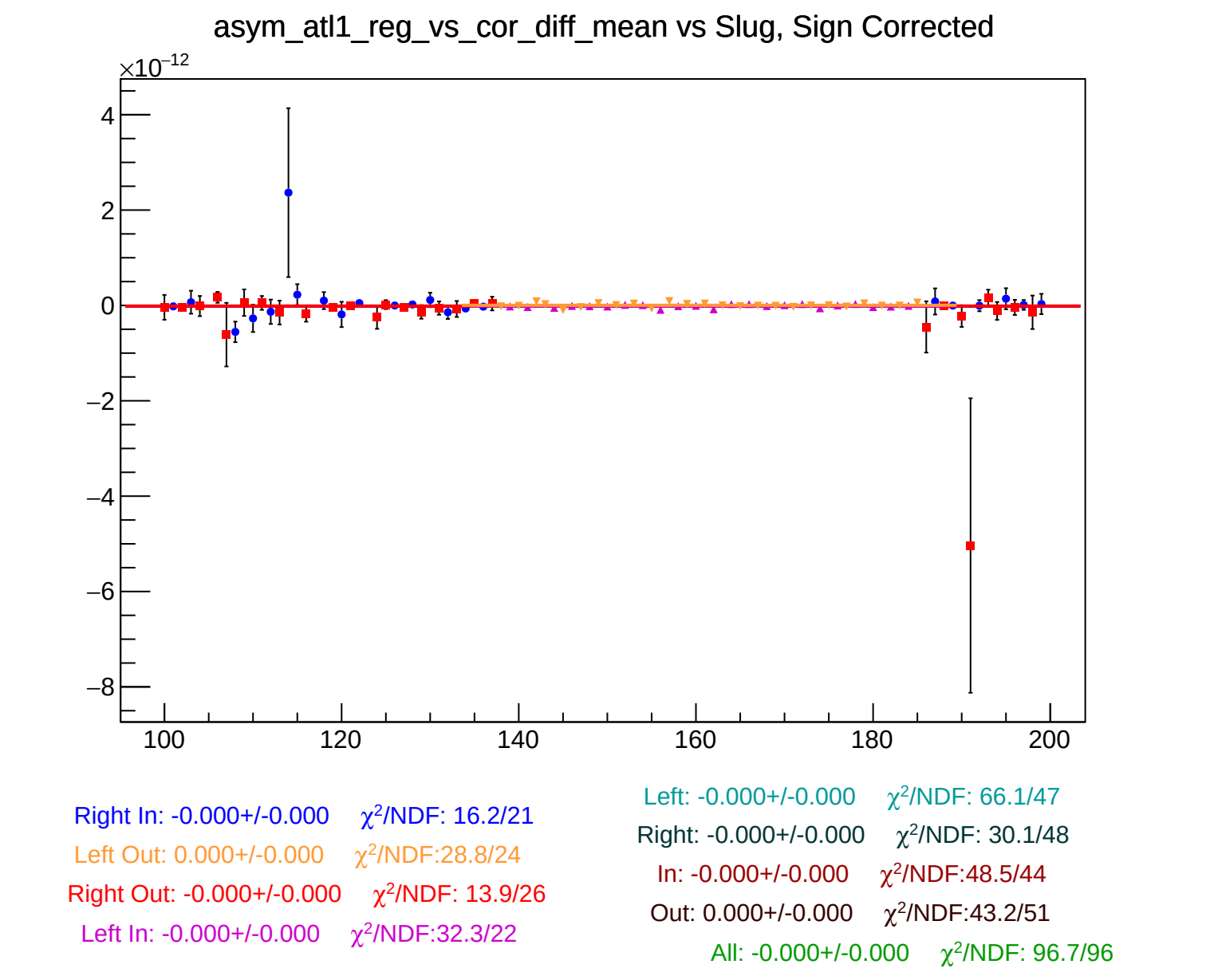
Left: 2514.945+/-0.290 χ^2/NDF: 189236.0/47

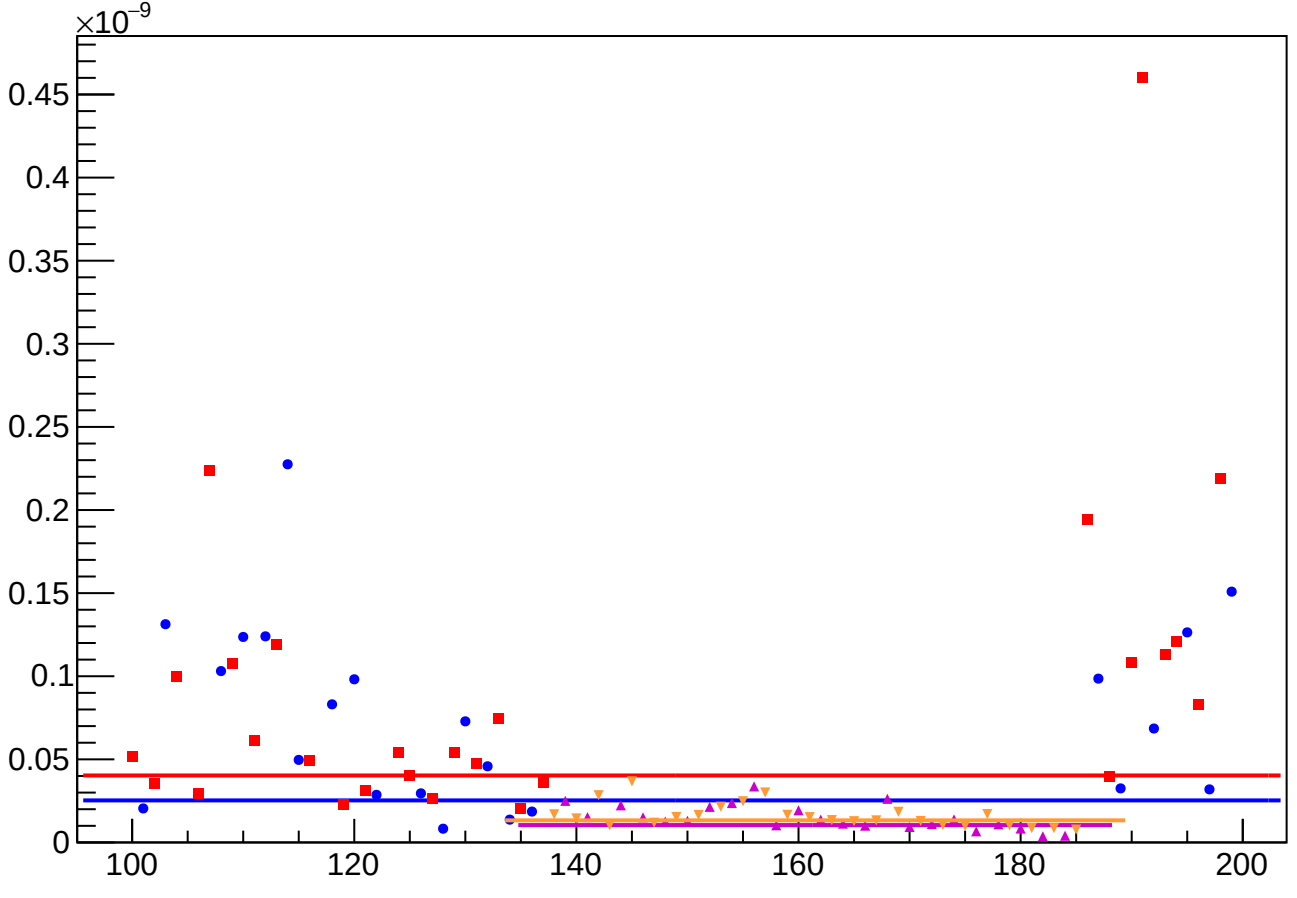
Right: 2756.629+/-0.403 χ^2/NDF: 1860546.0/48

In: 2580.873+/-0.336 χ^2/NDF:881771.8/44

Out: 2613.080+/-0.330 χ^2/NDF:1400099.7/51

All: 2597.304+/-0.235 χ^2/NDF: 2286548.6/96


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: 16.2/21
Left Out: 0.000+/-0.000 χ²/NDF:28.8/24
Right Out: -0.000+/-0.000 χ²/NDF: 13.9/26
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: 30.1/48
In: -0.000+/-0.000 χ²/NDF:48.5/44
Out: 0.000+/-0.000 χ²/NDF:43.2/51
All: -0.000+/-0.000 χ²/NDF: 96.7/96



Right In: 0.000+/-0.000 χ^2/NDF: 3974130.0/21

Left Out: 0.000+/-0.000 χ^2/NDF:1472019.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3095217.7/26

Left In: 0.000+/-0.000 χ^2/NDF:2813965.8/22

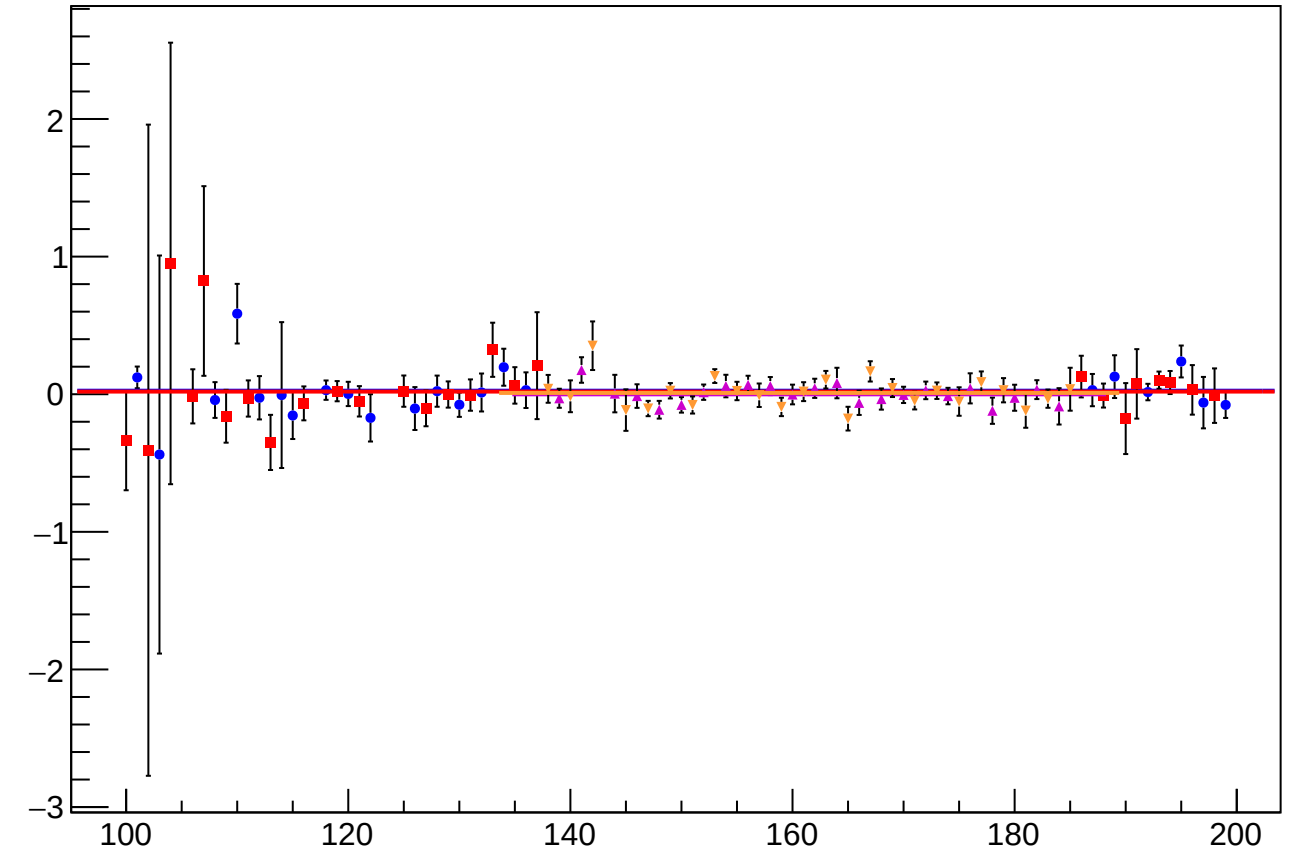
Left: 0.000+/-0.000 χ^2/NDF: 4603369.9/47

Right: 0.000+/-0.000 χ^2/NDF: 7670746.3/48

In: 0.000+/-0.000 χ^2/NDF:8332681.2/44

Out: 0.000+/-0.000 χ^2/NDF:7401050.5/51

All: 0.000+/-0.000 χ^2/NDF: 16136385.4/96



Right In: 0.026+/-0.024 χ^2/NDF: 20.0/21

Left Out: 0.009+/-0.015 χ^2/NDF:34.7/23

Right Out: 0.019+/-0.025 χ^2/NDF: 15.5/25

Left In: -0.001+/-0.015 χ^2/NDF:15.6/22

Left: 0.004+/-0.011 χ^2/NDF: 50.5/46

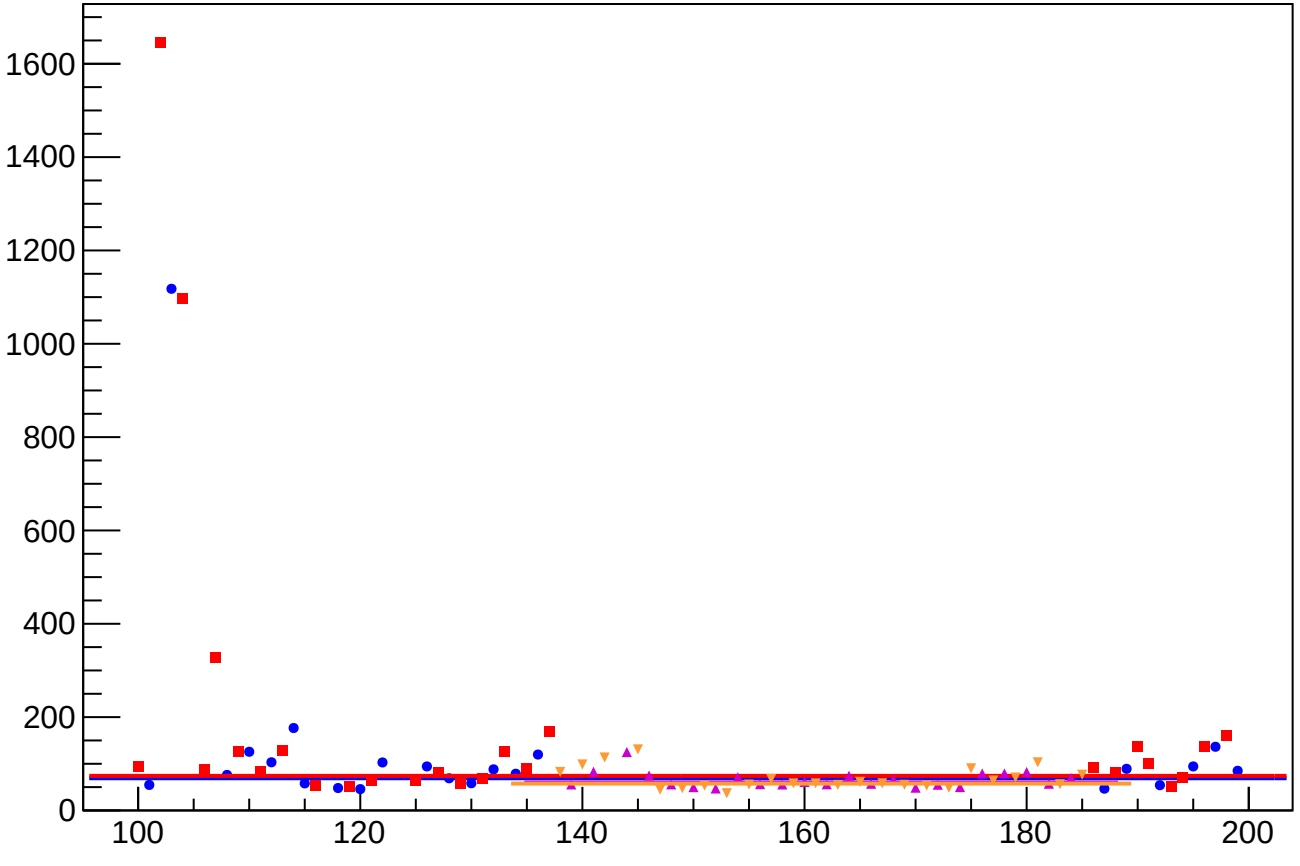
Right: 0.023+/-0.018 χ^2/NDF: 35.5/47

In: 0.007+/-0.013 χ^2/NDF:36.5/44

Out: 0.012+/-0.013 χ^2/NDF:50.3/49

All: 0.009+/-0.009 χ^2/NDF: 86.8/94

asym_atl1_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 69.027+/-0.017 χ^2/NDF: 2921340.1/21

Left Out: 57.606+/-0.011 χ^2/NDF:2213142.2/23

Right Out: 74.116+/-0.018 χ^2/NDF: 4002884.6/25

Left In: 59.828+/-0.011 χ^2/NDF:1340700.1/22

Left: 58.689+/-0.008 χ^2/NDF: 3574922.2/46

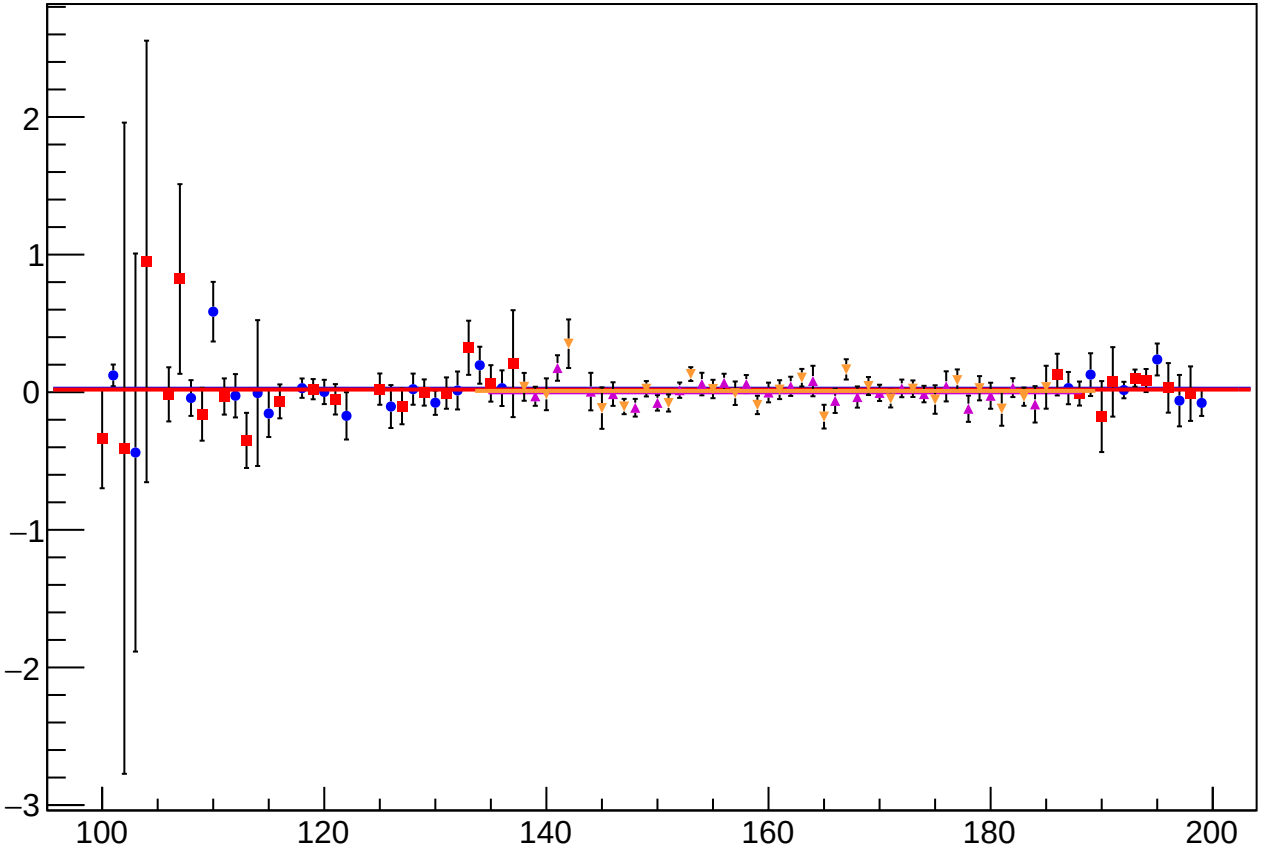
Right: 71.452+/-0.012 χ^2/NDF: 6966373.2/47

In: 62.503+/-0.009 χ^2/NDF:4467109.0/44

Out: 61.929+/-0.009 χ^2/NDF:6841555.2/49

All: 62.214+/-0.007 χ^2/NDF: 11310607.5/94

asym_atl1_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.026+/-0.024 χ^2/NDF: 20.0/21

Left Out: 0.009+/-0.015 χ^2/NDF:34.7/23

Right Out: 0.019+/-0.025 χ^2/NDF: 15.5/25

Left In: -0.001+/-0.015 χ^2/NDF:15.6/22

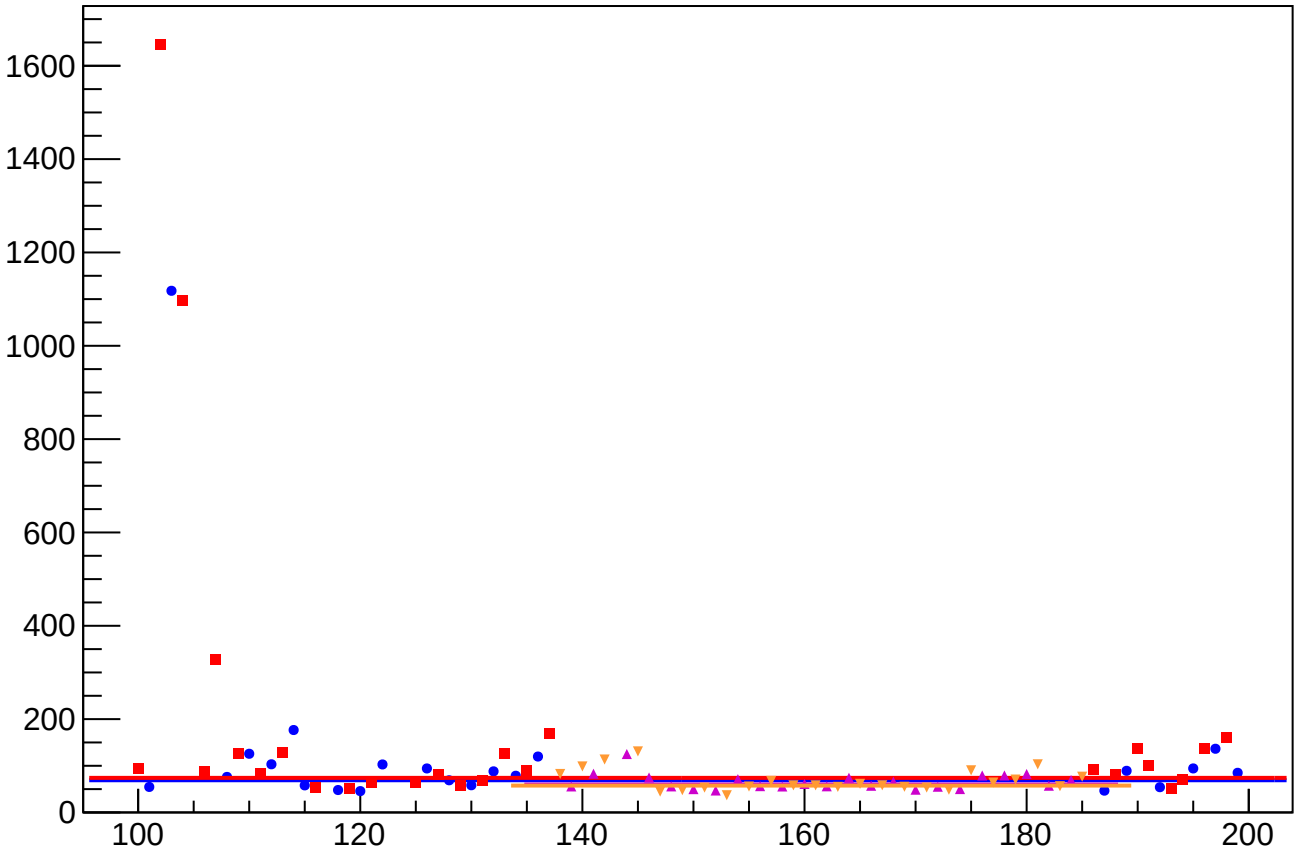
Left: 0.004+/-0.011 χ^2/NDF: 50.5/46

Right: 0.023+/-0.018 χ^2/NDF: 35.5/47

In: 0.007+/-0.013 χ^2/NDF:36.5/44

Out: 0.012+/-0.013 χ^2/NDF:50.3/49

All: 0.009+/-0.009 χ^2/NDF: 86.8/94



Right In: 69.027+/-0.017 χ^2/NDF: 2921340.1/21

Left Out: 57.606+/-0.011 χ^2/NDF:2213142.2/23

Right Out: 74.116+/-0.018 χ^2/NDF: 4002884.6/25

Left In: 59.828+/-0.011 χ^2/NDF:1340700.1/22

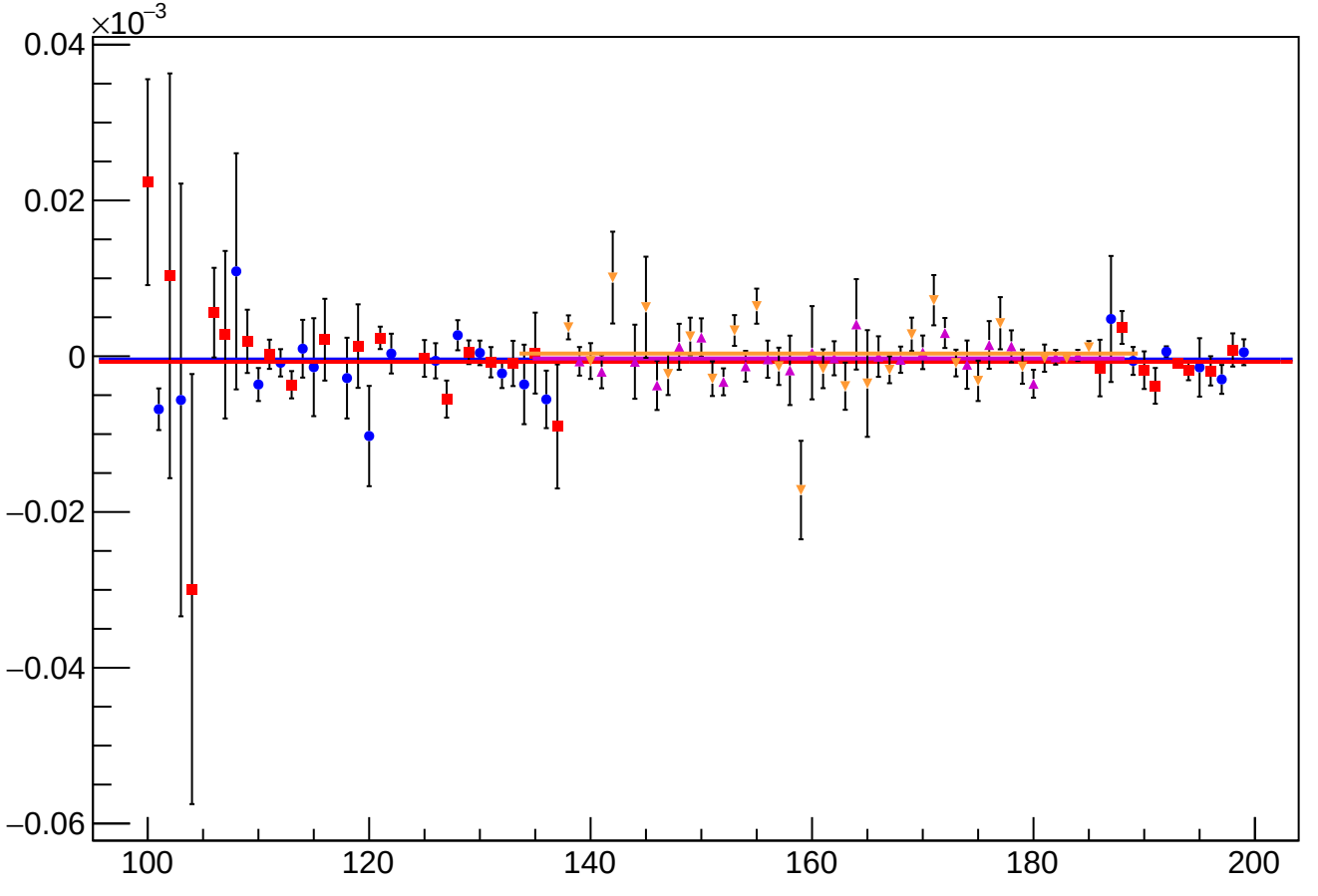
Left: 58.689+/-0.008 χ^2/NDF: 3574922.2/46

Right: 71.452+/-0.012 χ^2/NDF: 6966373.2/47

In: 62.503+/-0.009 χ^2/NDF:4467109.0/44

Out: 61.929+/-0.009 χ^2/NDF:6841555.2/49

All: 62.214+/-0.007 χ^2/NDF: 11310607.5/94



Right In: -0.000+/-0.000 χ^2/NDF: 22.4/21

Left Out: 0.000+/-0.000 χ^2/NDF:46.8/23

Right Out: -0.000+/-0.000 χ^2/NDF: 28.3/25

Left In: -0.000+/-0.000 χ^2/NDF:14.9/22

Left: 0.000+/-0.000 χ^2/NDF: 63.2/46

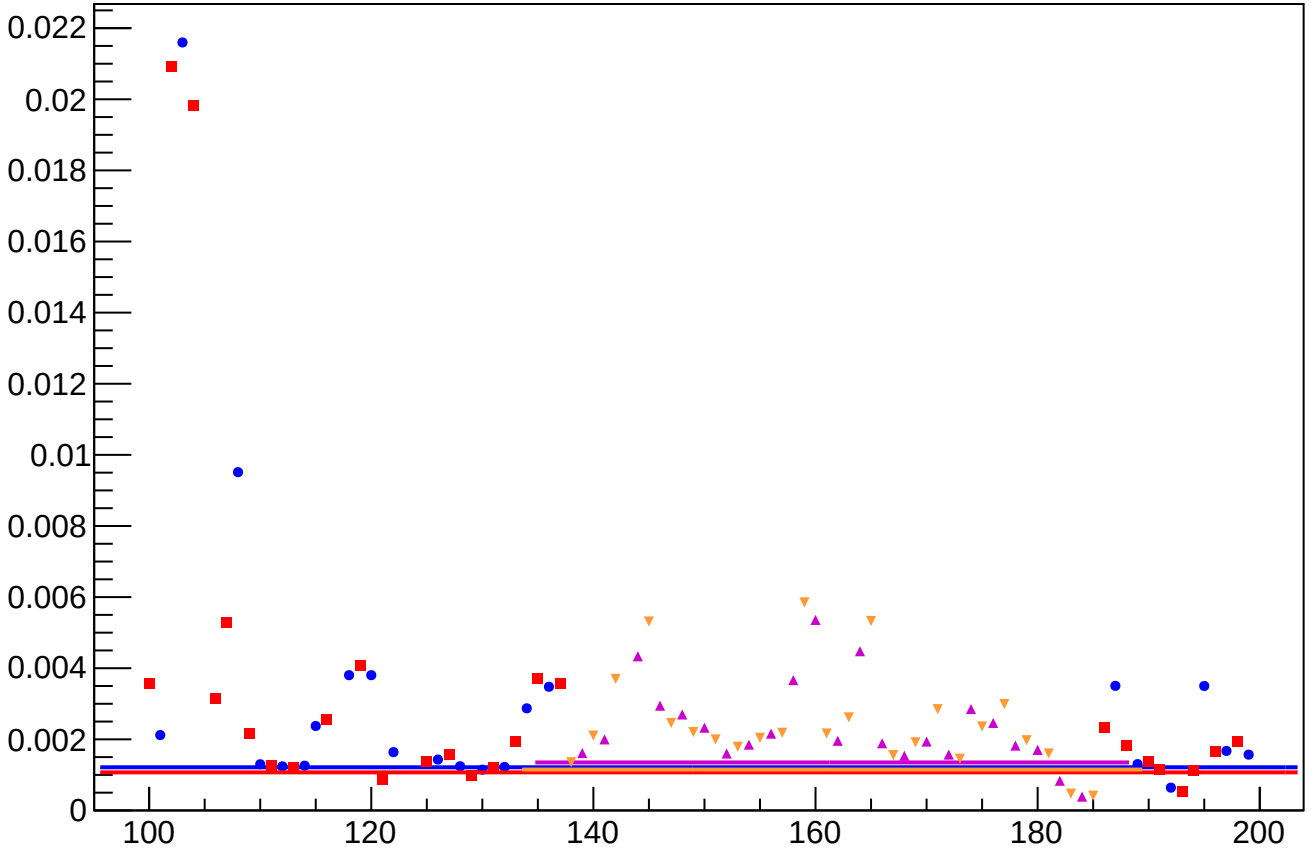
Right: -0.000+/-0.000 χ^2/NDF: 51.0/47

In: -0.000+/-0.000 χ^2/NDF:37.4/44

Out: -0.000+/-0.000 χ^2/NDF:79.4/49

All: -0.000+/-0.000 χ^2/NDF: 117.1/94

asym_atl1_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 6363888.2/21

Left Out: 0.001+/-0.000 χ^2/NDF:13242273.9/23

Right Out: 0.001+/-0.000 χ^2/NDF: 7452271.7/25

Left In: 0.001+/-0.000 χ^2/NDF:10247159.8/22

Left: 0.001+/-0.000 χ^2/NDF: 23793610.5/46

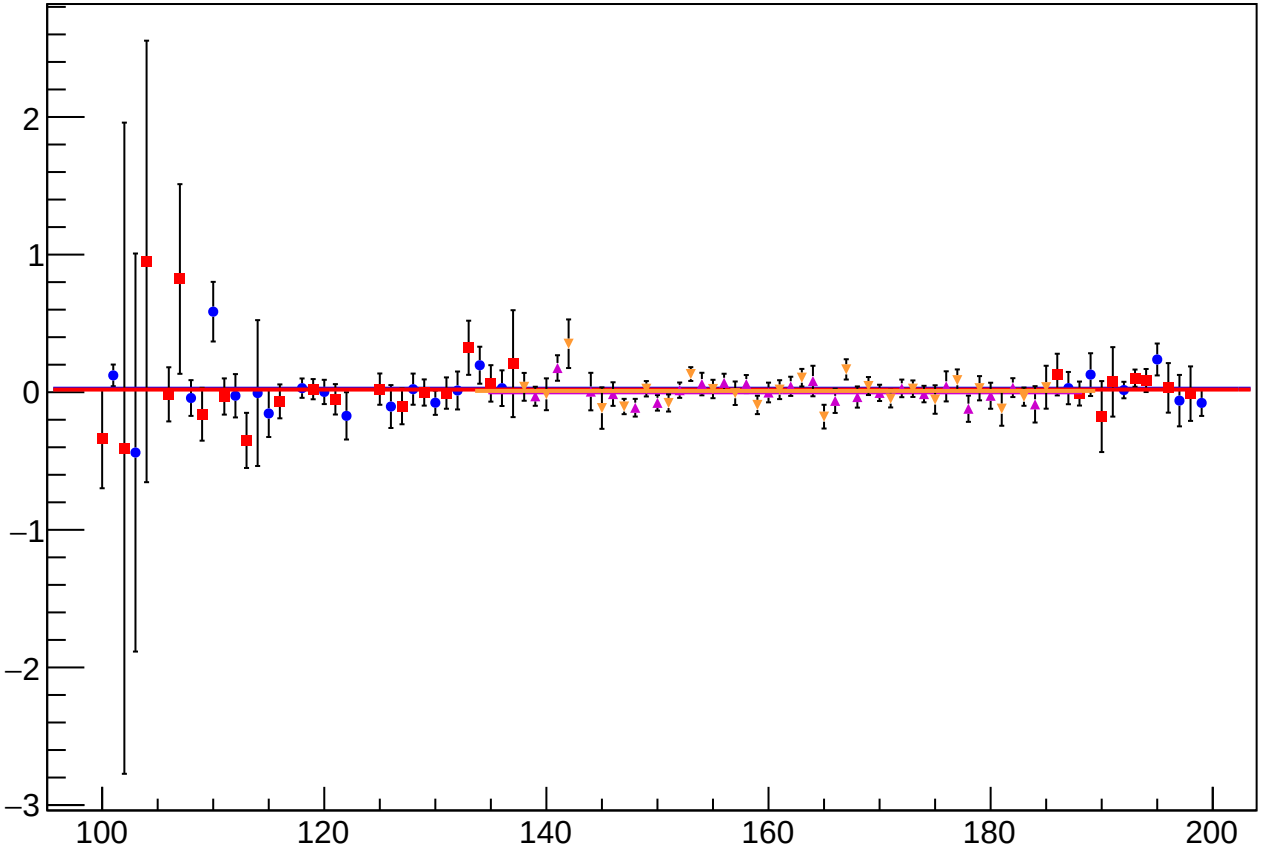
Right: 0.001+/-0.000 χ^2/NDF: 13940635.9/47

In: 0.001+/-0.000 χ^2/NDF:16724157.9/44

Out: 0.001+/-0.000 χ^2/NDF:20742623.2/49

All: 0.001+/-0.000 χ^2/NDF: 37888783.3/94

asym_atl1_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.026+/-0.024 χ^2/NDF: 20.0/21

Left Out: 0.009+/-0.015 χ^2/NDF:34.7/23

Right Out: 0.019+/-0.025 χ^2/NDF: 15.5/25

Left In: -0.001+/-0.015 χ^2/NDF:15.6/22

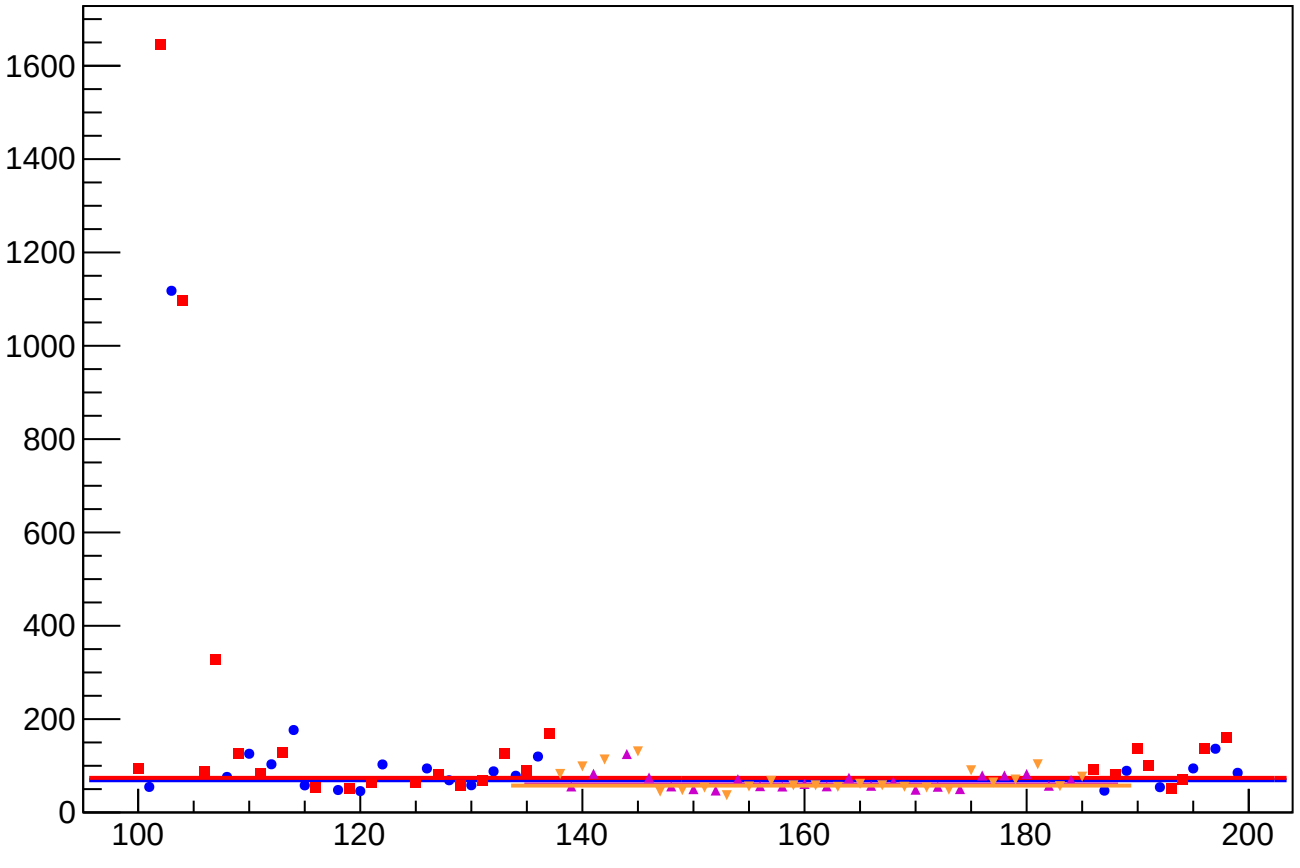
Left: 0.004+/-0.011 χ^2/NDF: 50.5/46

Right: 0.023+/-0.018 χ^2/NDF: 35.5/47

In: 0.007+/-0.013 χ^2/NDF:36.5/44

Out: 0.012+/-0.013 χ^2/NDF:50.3/49

All: 0.009+/-0.009 χ^2/NDF: 86.8/94



Right In: 69.027+/-0.017 χ^2/NDF: 2921467.4/21

Left Out: 57.606+/-0.011 χ^2/NDF:2213216.3/23

Right Out: 74.116+/-0.018 χ^2/NDF: 4002902.9/25

Left In: 59.828+/-0.011 χ^2/NDF:1340684.6/22

Left: 58.689+/-0.008 χ^2/NDF: 3574984.0/46

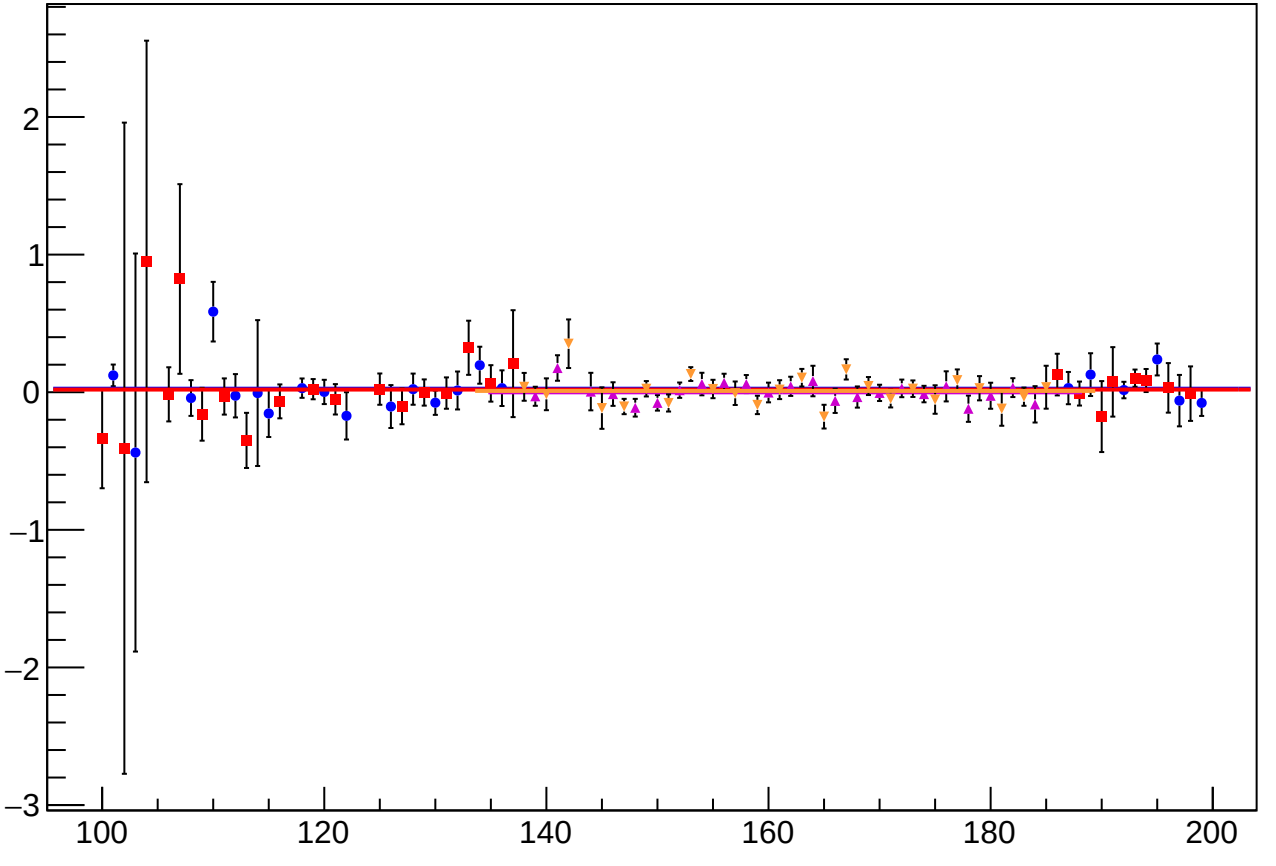
Right: 71.451+/-0.012 χ^2/NDF: 6966525.1/47

In: 62.503+/-0.009 χ^2/NDF:4467180.4/44

Out: 61.929+/-0.009 χ^2/NDF:6841618.7/49

All: 62.214+/-0.007 χ^2/NDF: 11310742.4/94

asym_atl1_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.026+/-0.024 χ^2/NDF: 20.0/21

Left Out: 0.009+/-0.015 χ^2/NDF:34.7/23

Right Out: 0.019+/-0.025 χ^2/NDF: 15.5/25

Left In: -0.001+/-0.015 χ^2/NDF:15.6/22

Left: 0.004+/-0.011 χ^2/NDF: 50.5/46

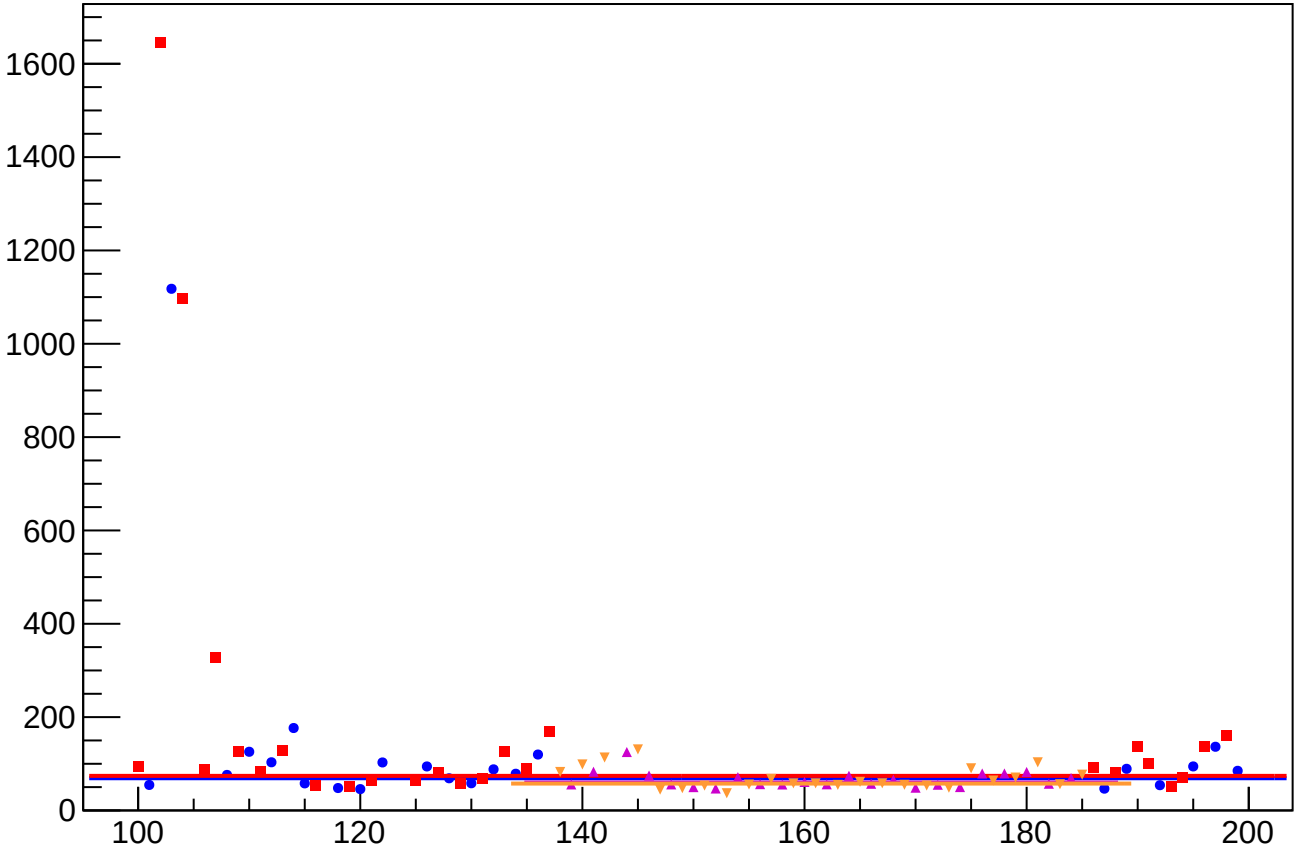
Right: 0.023+/-0.018 χ^2/NDF: 35.5/47

In: 0.007+/-0.013 χ^2/NDF:36.5/44

Out: 0.012+/-0.013 χ^2/NDF:50.3/49

All: 0.009+/-0.009 χ^2/NDF: 86.8/94

asym_atl1_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 69.027+/-0.017 χ^2/NDF: 2921467.4/21

Left Out: 57.606+/-0.011 χ^2/NDF:2213216.3/23

Right Out: 74.116+/-0.018 χ^2/NDF: 4002902.9/25

Left In: 59.828+/-0.011 χ^2/NDF:1340684.6/22

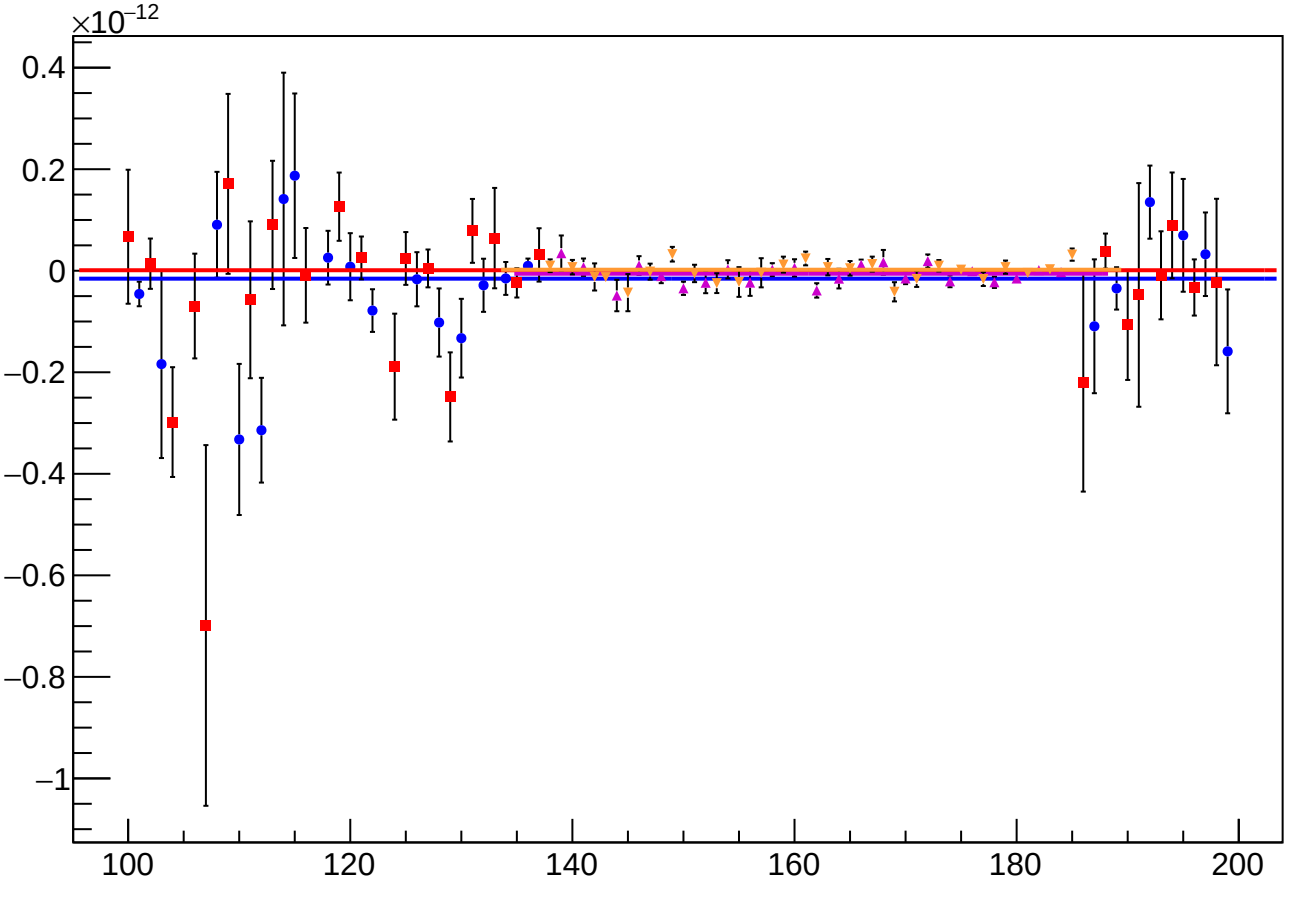
Left: 58.689+/-0.008 χ^2/NDF: 3574984.0/46

Right: 71.451+/-0.012 χ^2/NDF: 6966525.1/47

In: 62.503+/-0.009 χ^2/NDF:4467180.4/44

Out: 61.929+/-0.009 χ^2/NDF:6841618.7/49

All: 62.214+/-0.007 χ^2/NDF: 11310742.4/94



Right In: -0.000+/-0.000 χ^2/NDF: 35.7/21

Left Out: 0.000+/-0.000 χ^2/NDF:31.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 36.7/26

Left In: -0.000+/-0.000 χ^2/NDF:32.6/22

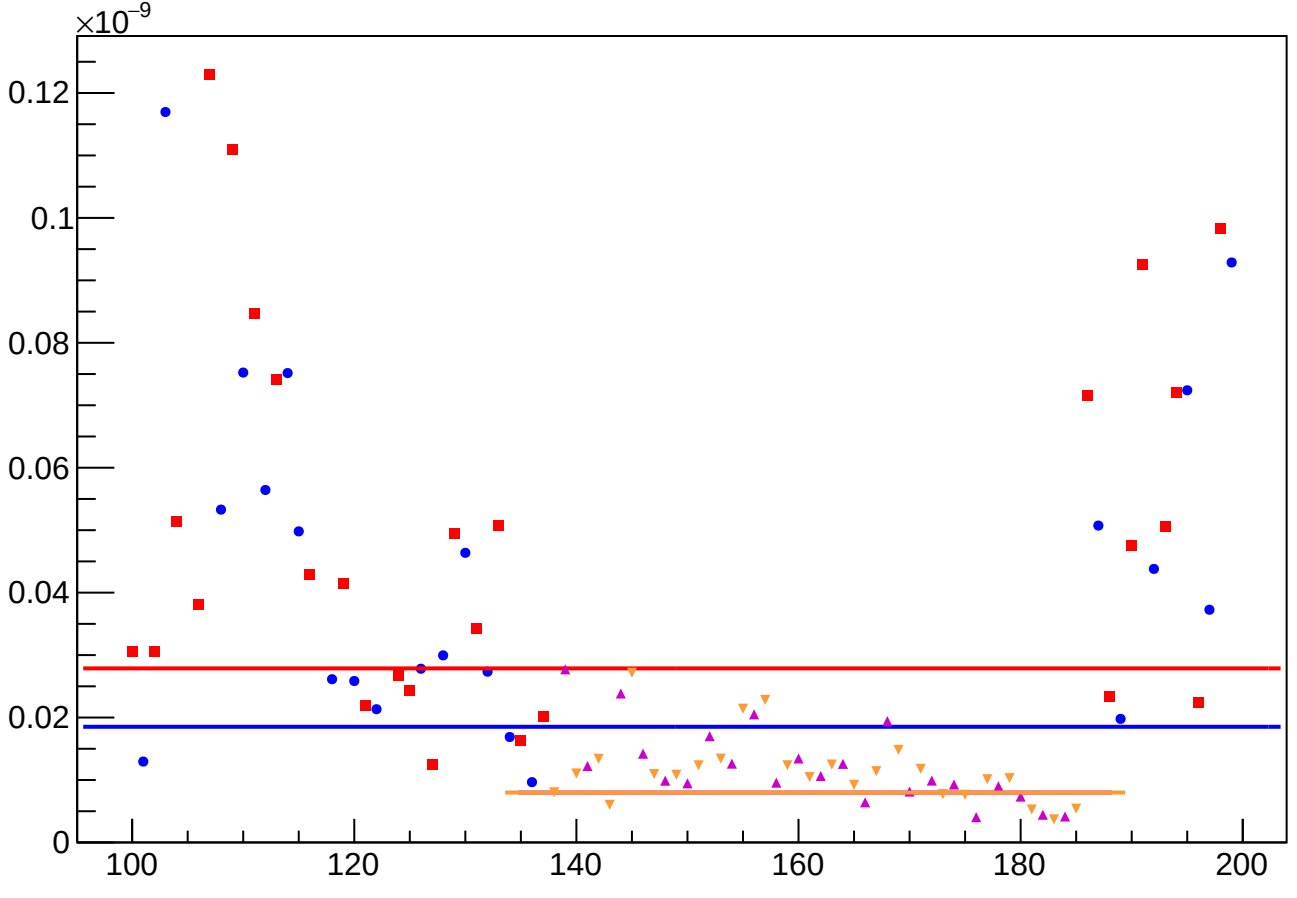
Left: -0.000+/-0.000 χ^2/NDF: 69.4/47

Right: -0.000+/-0.000 χ^2/NDF: 73.5/48

In: -0.000+/-0.000 χ^2/NDF:69.3/44

Out: 0.000+/-0.000 χ^2/NDF:68.6/51

All: -0.000+/-0.000 χ^2/NDF: 144.0/96



Right In: 0.000+/-0.000 χ^2/NDF: 4584654.2/21

Left Out: 0.000+/-0.000 χ^2/NDF:4887759.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3615121.6/26

Left In: 0.000+/-0.000 χ^2/NDF:5188583.5/22

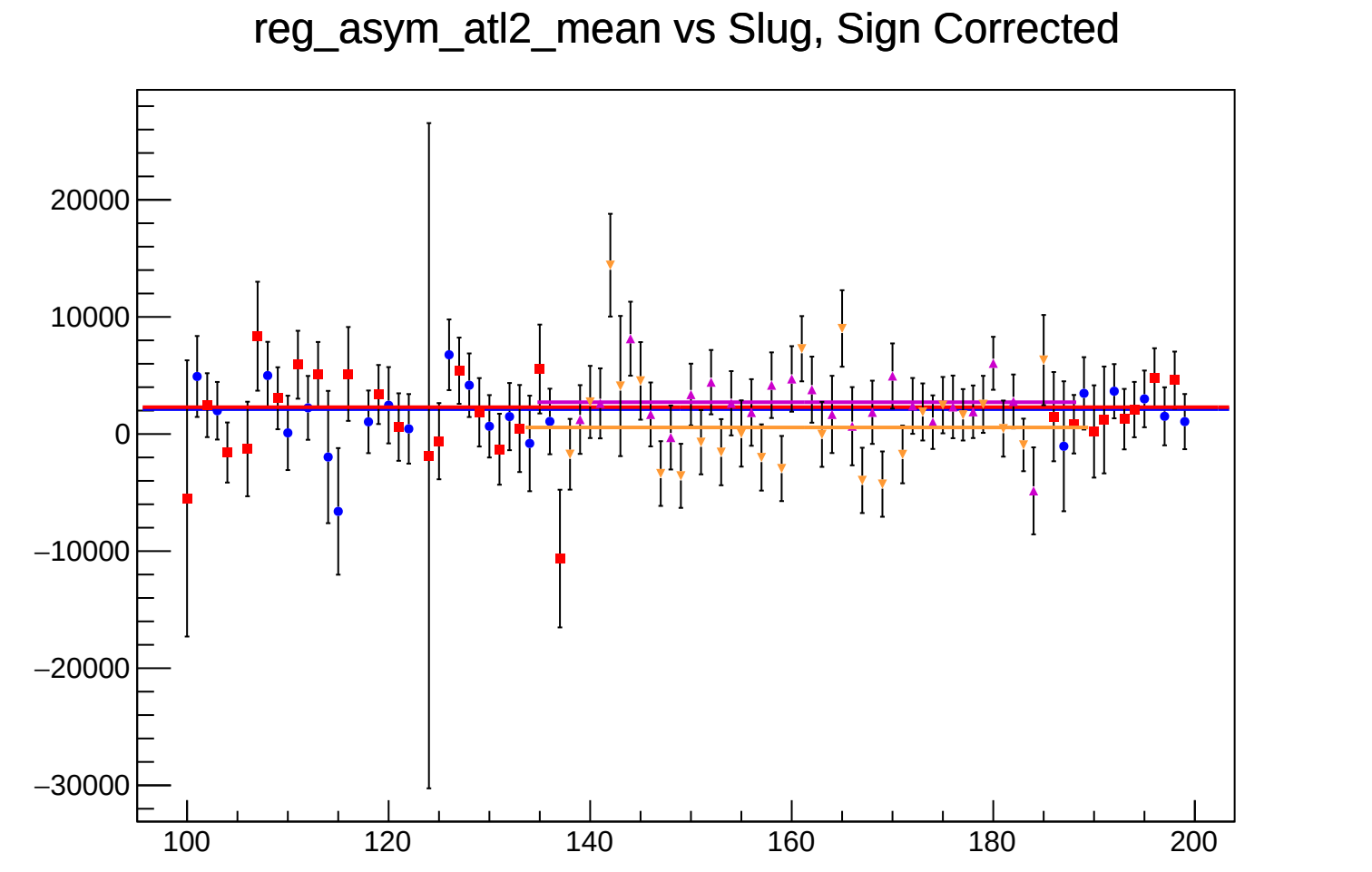
Left: 0.000+/-0.000 χ^2/NDF: 10076343.4/47

Right: 0.000+/-0.000 χ^2/NDF: 8915784.8/48

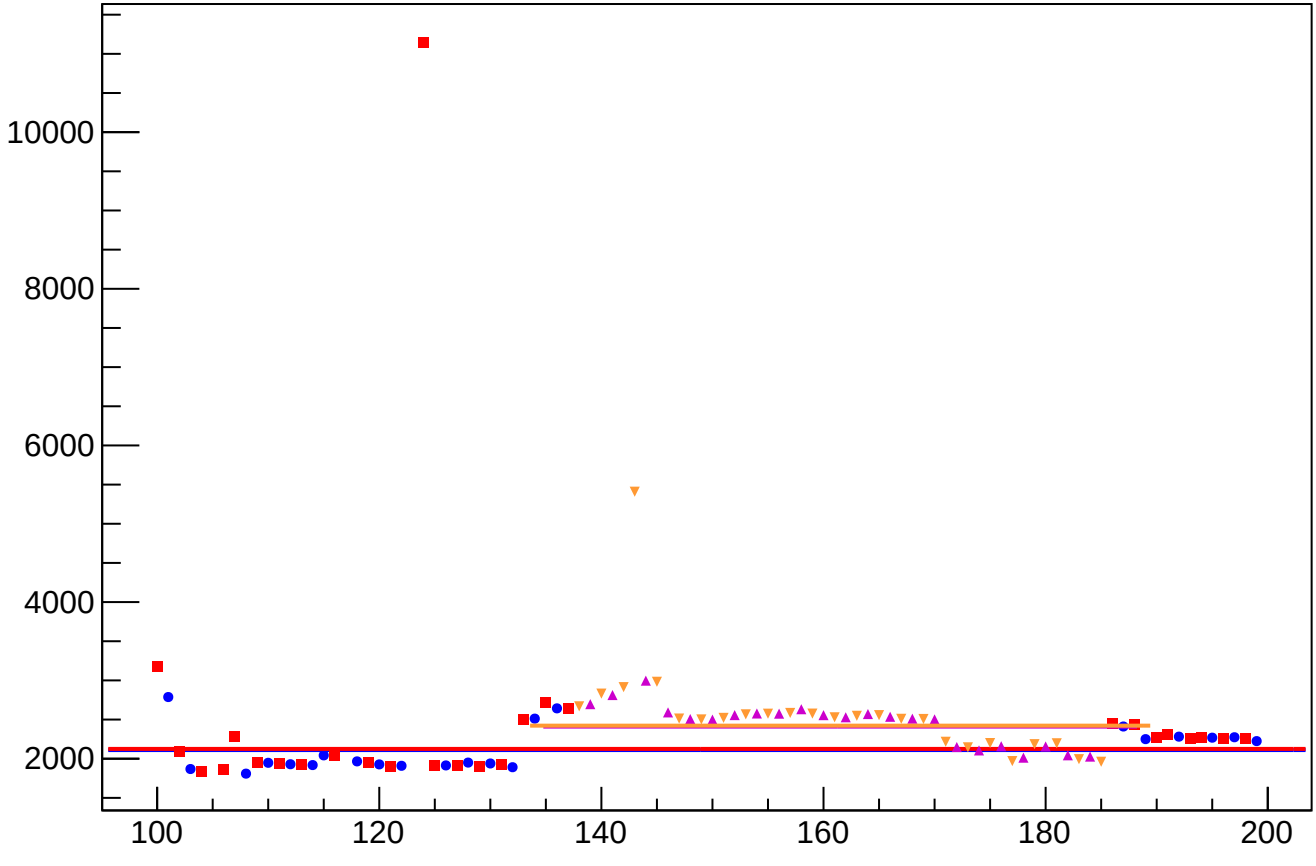
In: 0.000+/-0.000 χ^2/NDF:12078604.5/44

Out: 0.000+/-0.000 χ^2/NDF:13427341.9/51

All: 0.000+/-0.000 χ^2/NDF: 25506277.0/96


reg_asym_atl2_mean vs Slug, Sign Corrected
20000
10000
0
−10000
−20000
−30000
100
120
140
160
180
200
Right In: 2127.400+/-626.357 χ²/NDF: 11.0/21
Left Out: 562.390+/-557.316 χ²/NDF:43.9/24
Right Out: 2292.285+/-603.238 χ²/NDF: 21.0/26
Left In: 2716.200+/-566.202 χ²/NDF:14.3/22
Left: 1622.262+/-397.186 χ²/NDF: 65.6/47
Right: 2212.941+/-434.497 χ²/NDF: 32.0/48
In: 2451.425+/-420.026 χ²/NDF:25.8/44
Out: 1358.995+/-409.355 χ²/NDF:69.3/51
All: 1891.156+/-293.158 χ²/NDF: 98.6/96

reg_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2110.451+/-0.443 χ^2/NDF: 325768.4/21

Left Out: 2422.152+/-0.394 χ^2/NDF:952857.9/24

Right Out: 2125.253+/-0.427 χ^2/NDF: 505328.2/26

Left In: 2409.820+/-0.400 χ^2/NDF:428364.2/22

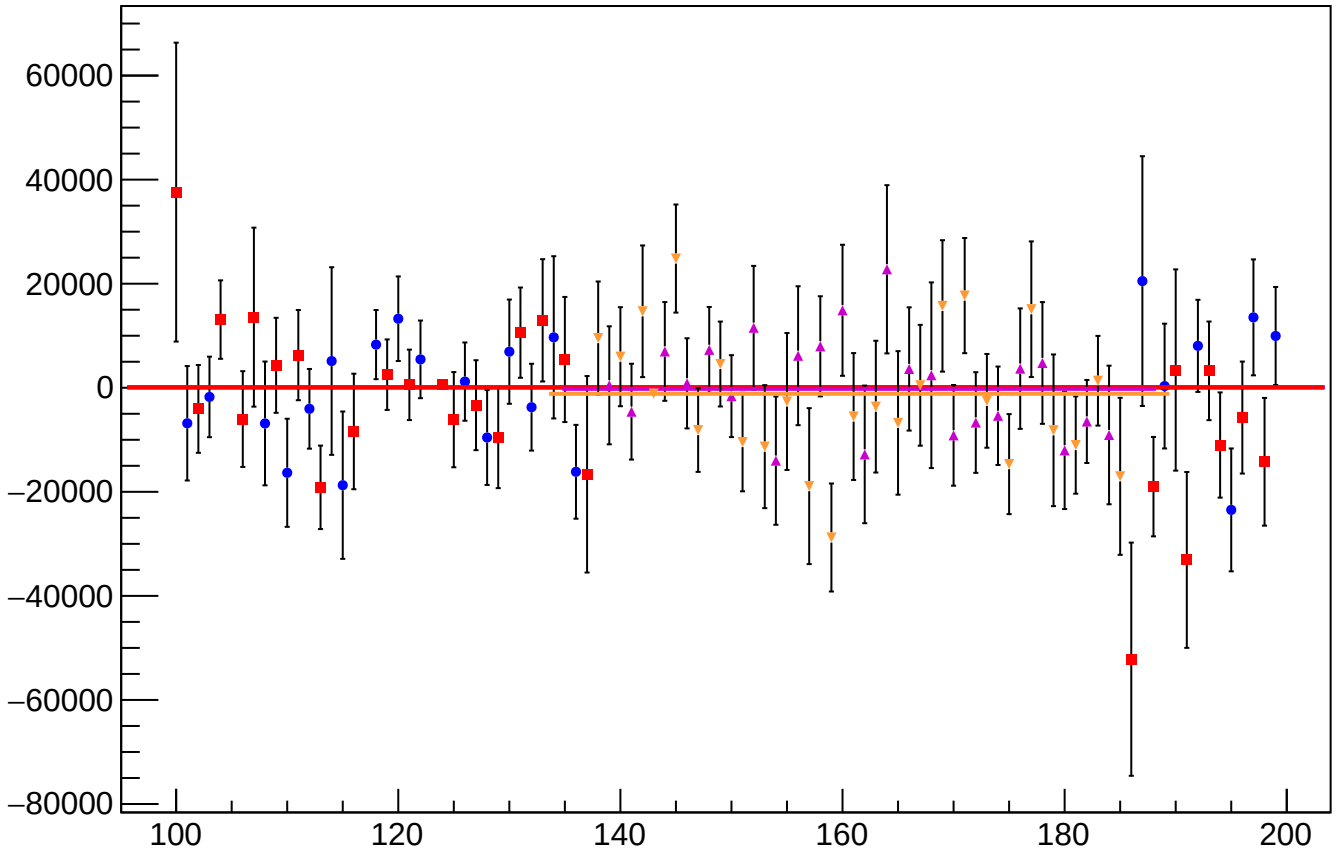
Left: 2416.083+/-0.281 χ^2/NDF: 1381704.0/47

Right: 2118.130+/-0.307 χ^2/NDF: 831676.0/48

In: 2275.198+/-0.297 χ^2/NDF:1005557.9/44

Out: 2285.432+/-0.289 χ^2/NDF:1719562.9/51

All: 2280.446+/-0.207 χ^2/NDF: 2725729.7/96



Right In: 42.903+/-2038.841 χ^2/NDF: 23.6/21

Left Out: -1158.214+/-757.797 χ^2/NDF:31.9/24

Right Out: 119.110+/-756.045 χ^2/NDF: 35.0/26

Left In: -209.655+/-2195.058 χ^2/NDF:13.4/22

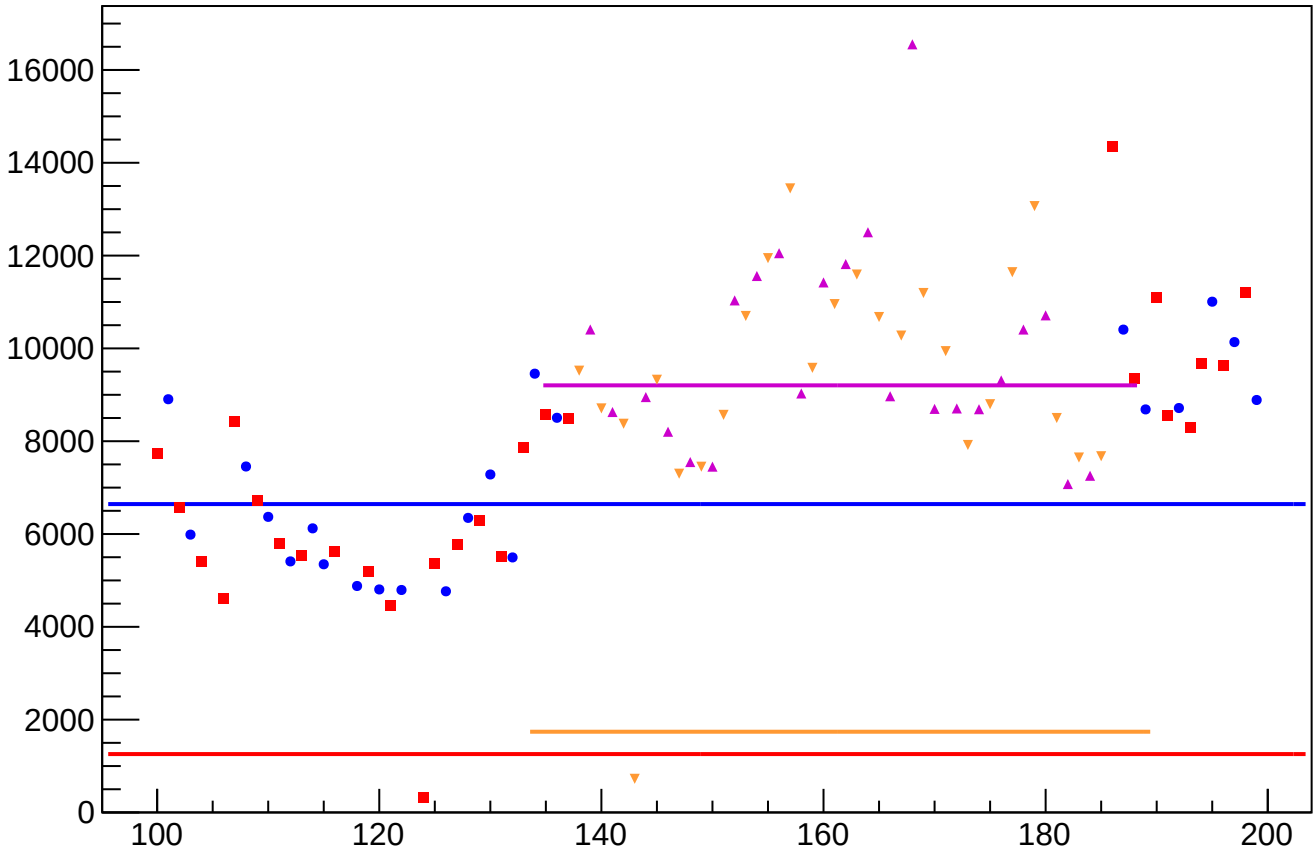
Left: -1057.201+/-716.312 χ^2/NDF: 45.5/47

Right: 109.898+/-708.876 χ^2/NDF: 58.6/48

In: -74.070+/-1493.855 χ^2/NDF:37.0/44

Out: -518.073+/-535.223 χ^2/NDF:68.4/51

All: -467.562+/-503.860 χ^2/NDF: 105.5/96



Right In: 6645.177+/-1.442 χ^2/NDF: 1668711.0/21

Left Out: 1739.692+/-0.536 χ^2/NDF:27734045.9/24

Right Out: 1258.081+/-0.535 χ^2/NDF: 19690349.5/26

Left In: 9203.758+/-1.552 χ^2/NDF:1272066.5/22

Left: 2534.547+/-0.507 χ^2/NDF: 49668848.5/47

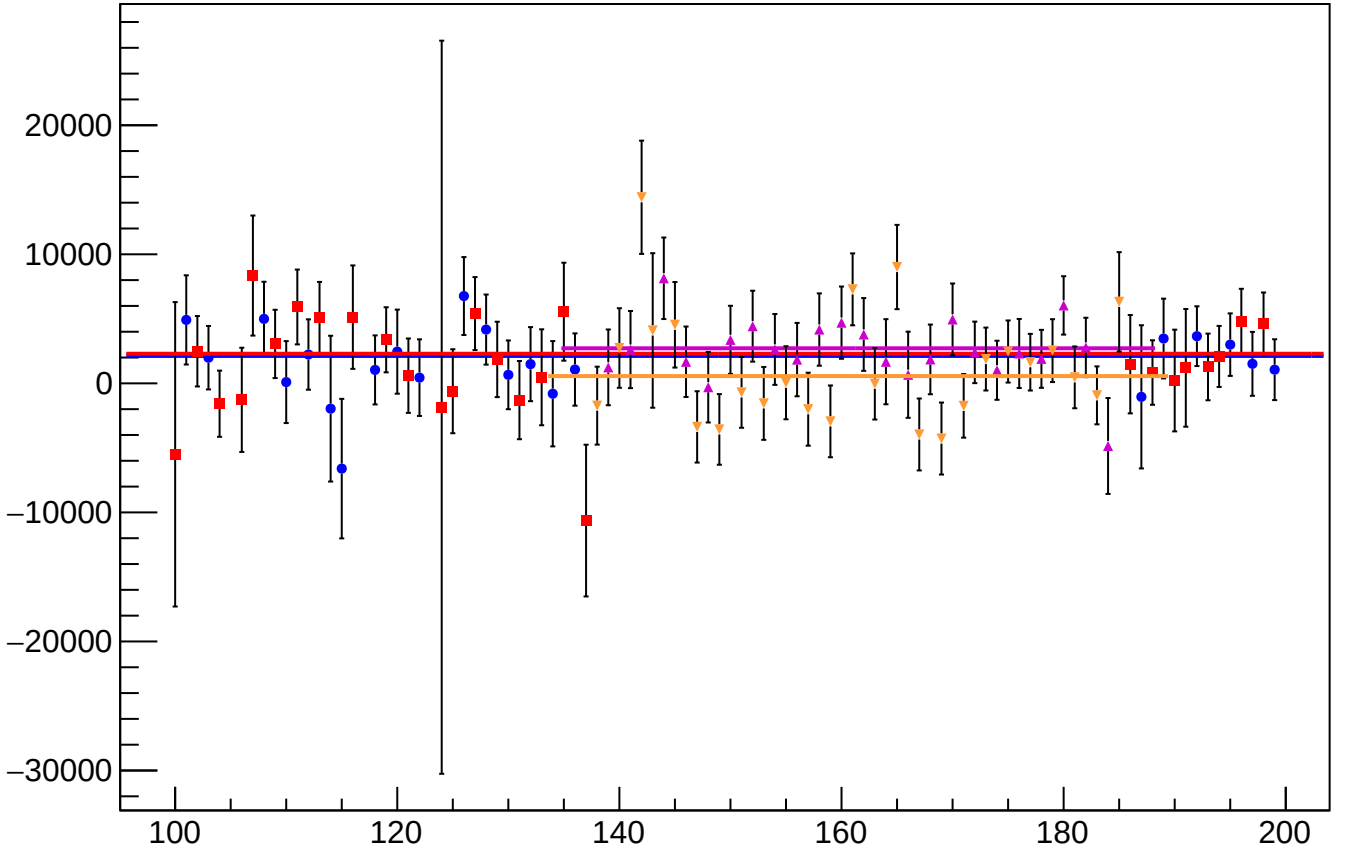
Right: 1909.303+/-0.501 χ^2/NDF: 33633967.7/48

In: 7830.193+/-1.056 χ^2/NDF:4399545.8/44

Out: 1498.329+/-0.378 χ^2/NDF:47829241.9/51

All: 2218.663+/-0.356 χ^2/NDF: 84072662.1/9

cor_asym_atl2_mean vs Slug, Sign Corrected



Right In: 2127.459+/-626.357 χ^2/NDF: 11.0/21

Left Out: 562.392+/-557.316 χ^2/NDF:43.9/24

Right Out: 2293.457+/-603.242 χ^2/NDF: 21.0/26

Left In: 2716.163+/-566.202 χ^2/NDF:14.3/22

Left: 1622.245+/-397.186 χ^2/NDF: 65.6/47

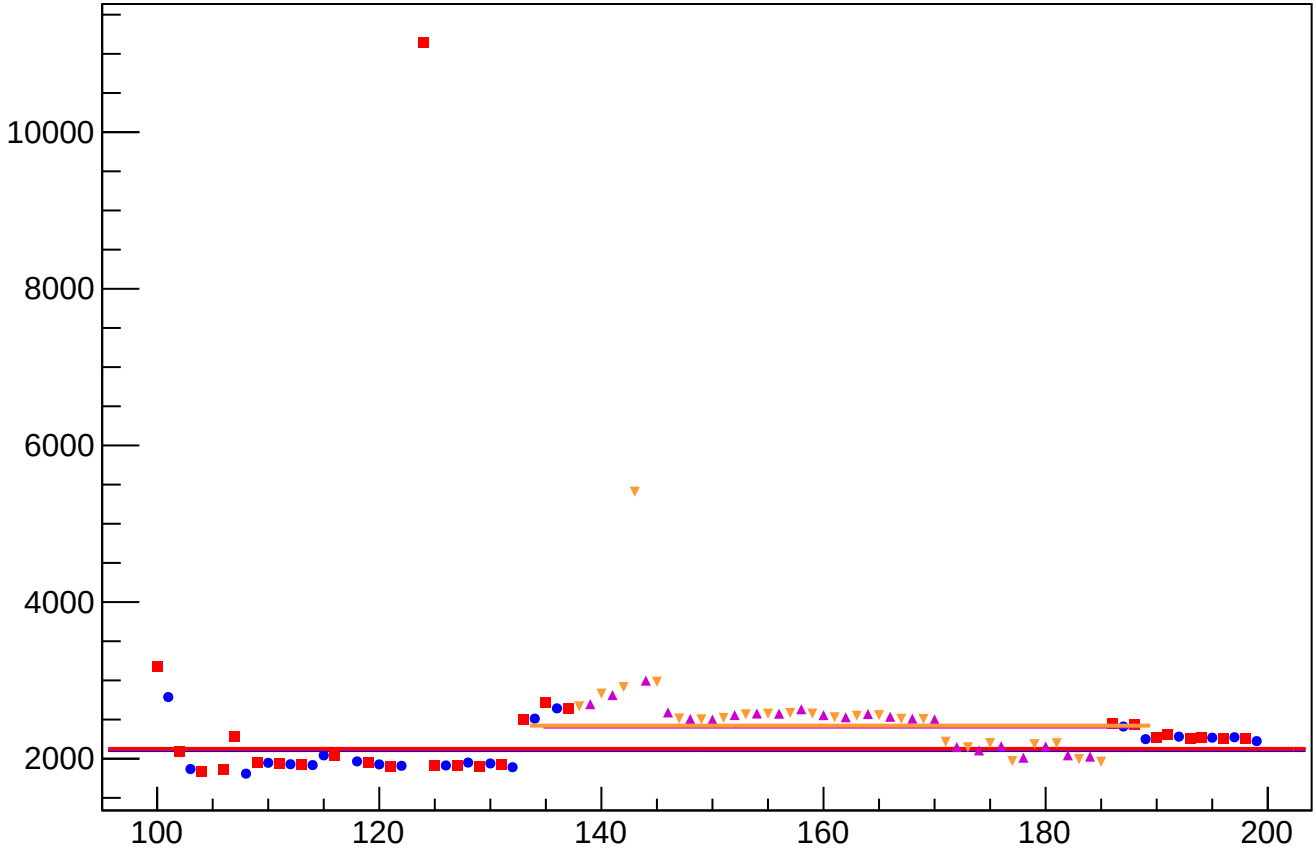
Right: 2213.577+/-434.498 χ^2/NDF: 32.0/48

In: 2451.430+/-420.026 χ^2/NDF:25.8/44

Out: 1359.530+/-409.356 χ^2/NDF:69.3/51

All: 1891.435+/-293.158 χ^2/NDF: 98.6/96

cor_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2110.451+/-0.443 χ^2/NDF: 325768.3/21

Left Out: 2422.152+/-0.394 χ^2/NDF:952857.9/24

Right Out: 2125.268+/-0.427 χ^2/NDF: 505323.5/26

Left In: 2409.820+/-0.400 χ^2/NDF:428364.2/22

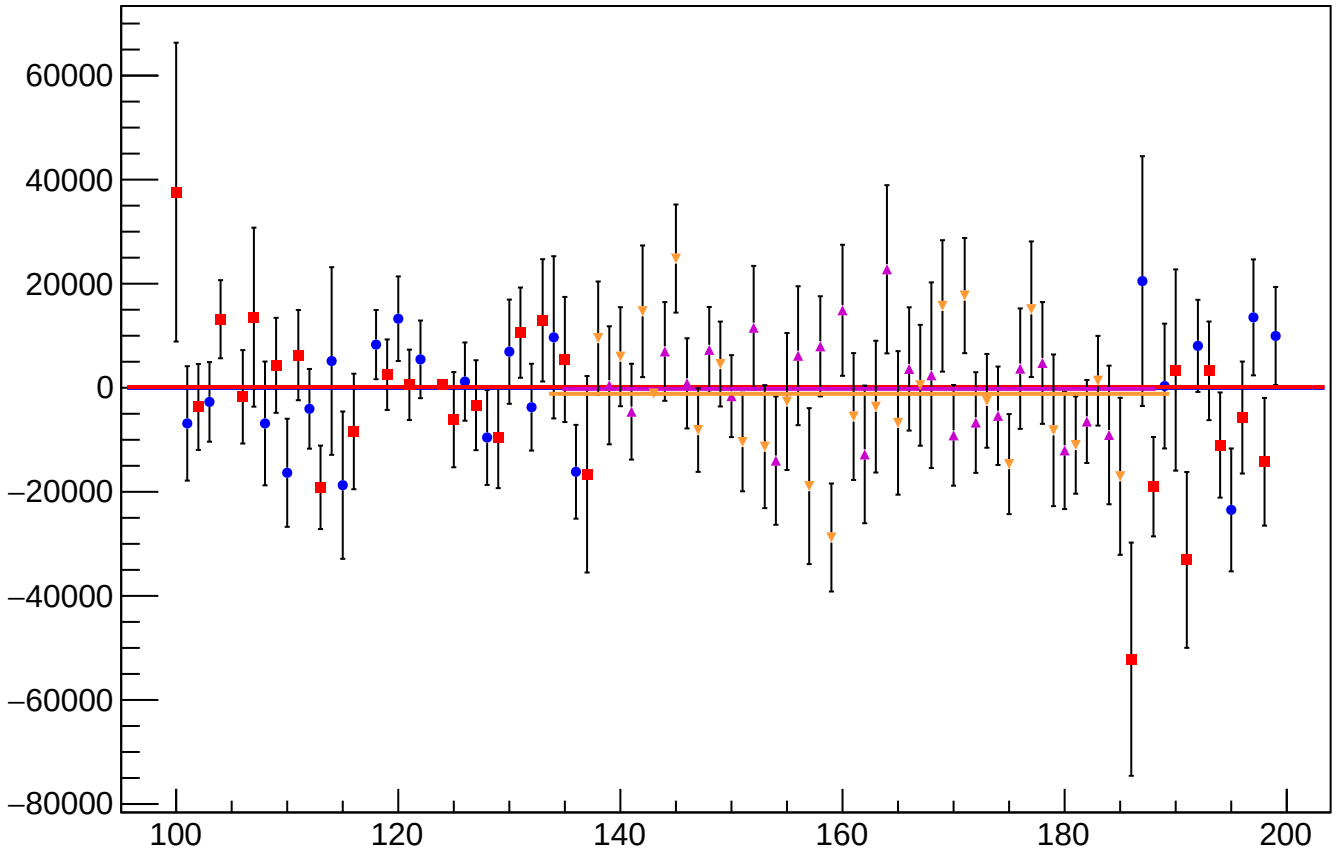
Left: 2416.083+/-0.281 χ^2/NDF: 1381703.9/47

Right: 2118.138+/-0.307 χ^2/NDF: 831672.4/48

In: 2275.198+/-0.297 χ^2/NDF:1005558.0/44

Out: 2285.440+/-0.289 χ^2/NDF:1719530.0/51

All: 2280.450+/-0.207 χ^2/NDF: 2725697.8/96



Right In: -28.781+/-2037.156 χ^2/NDF: 23.7/21

Left Out: -1157.974+/-757.732 χ^2/NDF:31.9/24

Right Out: 151.691+/-755.721 χ^2/NDF: 34.6/26

Left In: -209.500+/-2195.055 χ^2/NDF:13.4/22

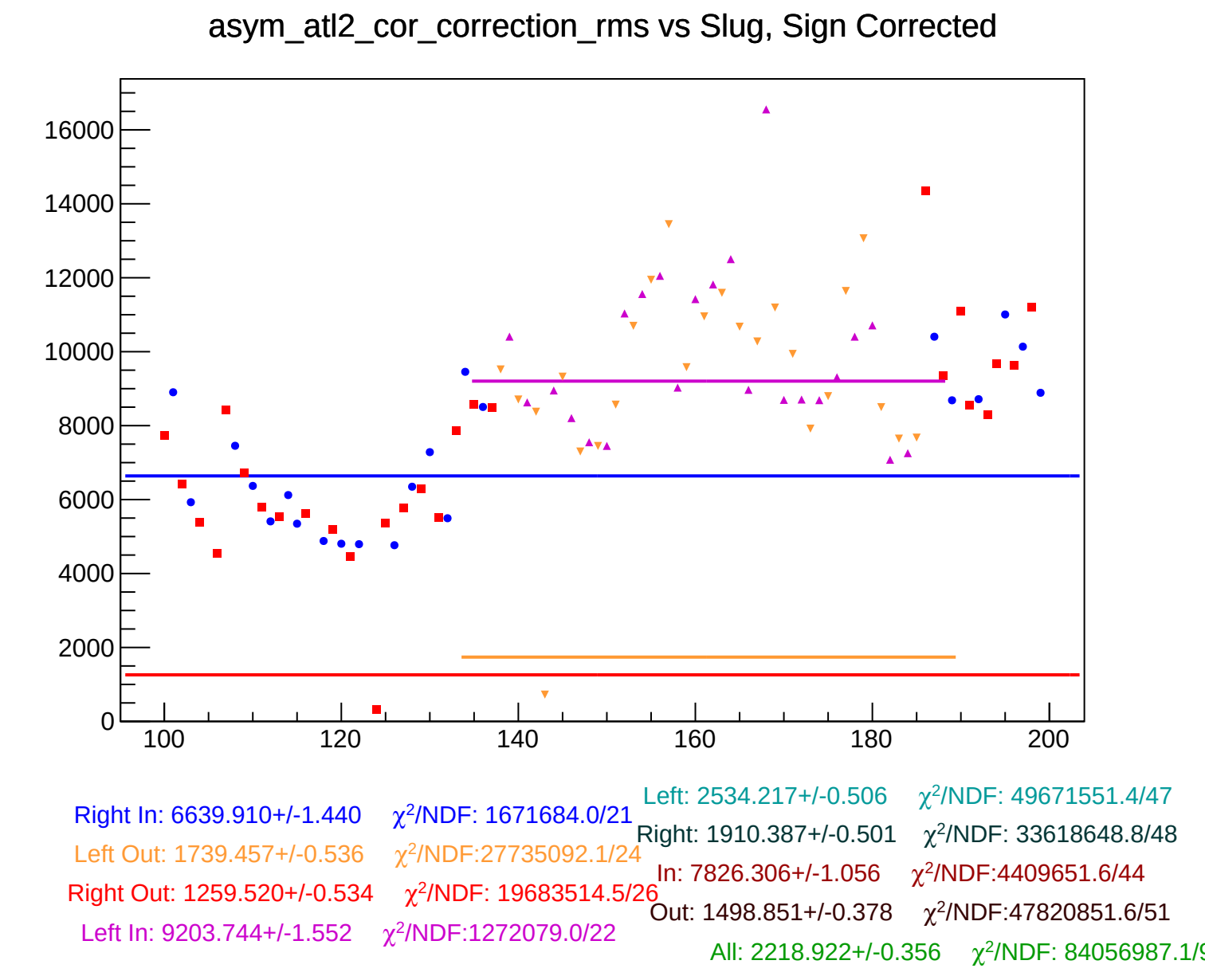
Left: -1056.985+/-716.258 χ^2/NDF: 45.5/47

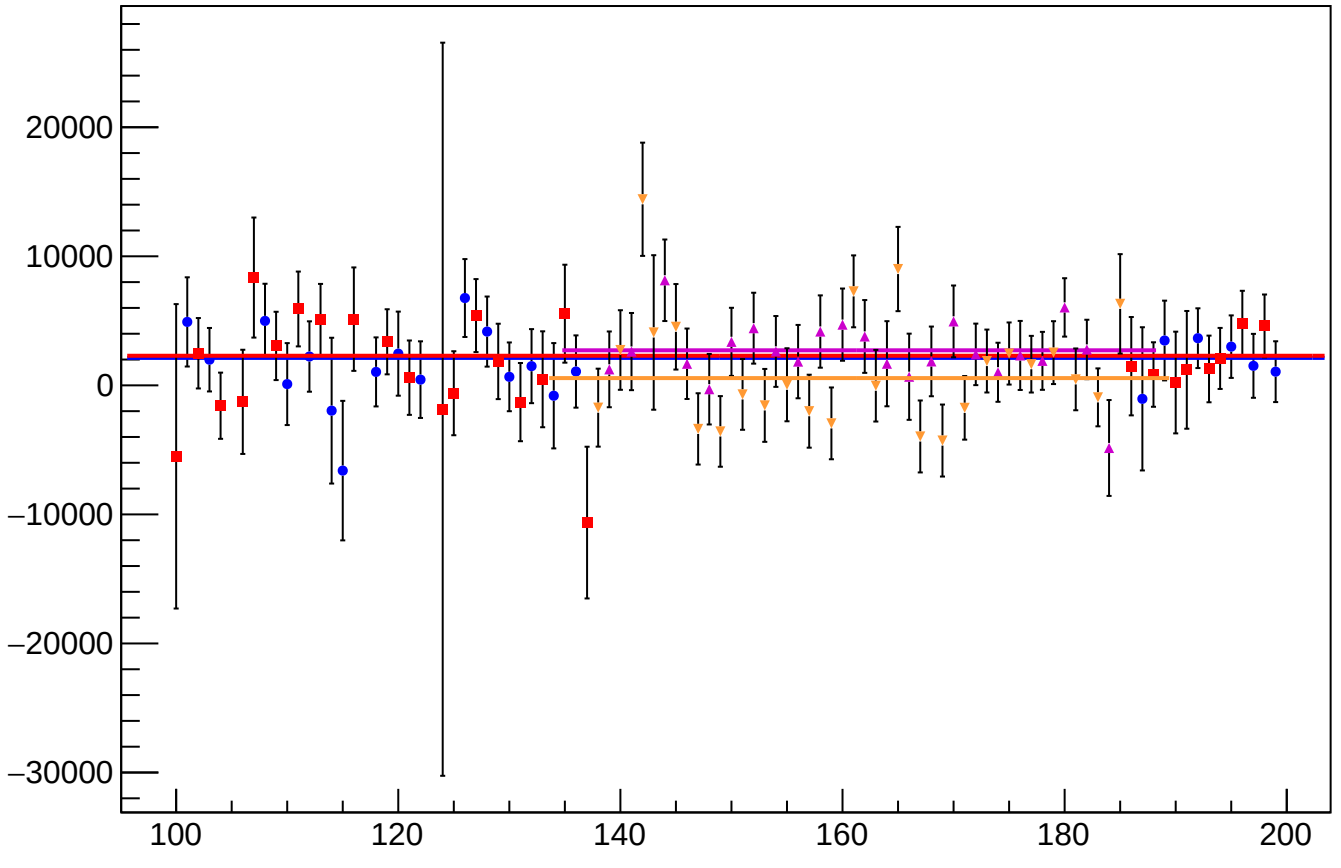
Right: 129.859+/-708.539 χ^2/NDF: 58.3/48

In: -112.407+/-1493.191 χ^2/NDF:37.1/44

Out: -501.401+/-535.085 χ^2/NDF:68.1/51

All: -457.133+/-503.719 χ^2/NDF: 105.2/96


asym_atl2_cor_correction_rms vs Slug, Sign Corrected
16000
14000
12000
10000
8000
6000
4000
2000
0
100
120
140
160
180
200
Right In: 6639.910+/-1.440 χ²/NDF: 1671684.0/21
Left Out: 1739.457+/-0.536 χ²/NDF:27735092.1/24
Right Out: 1259.520+/-0.534 χ²/NDF: 19683514.5/26
Left In: 9203.744+/-1.552 χ²/NDF:1272079.0/22
Left: 2534.217+/-0.506 χ²/NDF: 49671551.4/47
Right: 1910.387+/-0.501 χ²/NDF: 33618648.8/48
In: 7826.306+/-1.056 χ²/NDF:4409651.6/44
Out: 1498.851+/-0.378 χ²/NDF:47820851.6/51
All: 2218.922+/-0.356 χ²/NDF: 84056987.1/9



Right In: 2127.459+/-626.357 χ^2/NDF: 11.0/21

Left Out: 562.392+/-557.316 χ^2/NDF:43.9/24

Right Out: 2293.457+/-603.242 χ^2/NDF: 21.0/26

Left In: 2716.163+/-566.202 χ^2/NDF:14.3/22

Left: 1622.245+/-397.186 χ^2/NDF: 65.6/47

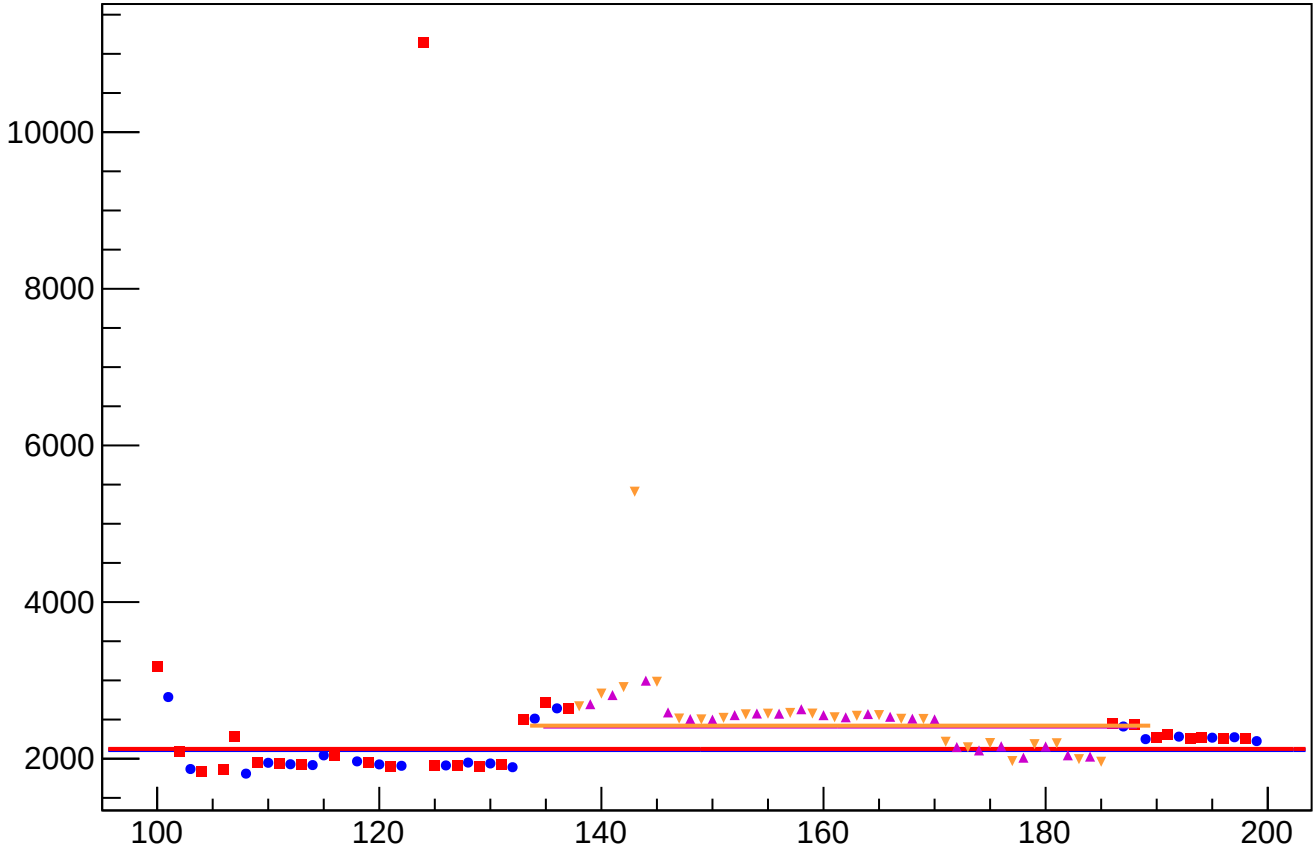
Right: 2213.577+/-434.498 χ^2/NDF: 32.0/48

In: 2451.430+/-420.026 χ^2/NDF:25.8/44

Out: 1359.530+/-409.356 χ^2/NDF:69.3/51

All: 1891.435+/-293.158 χ^2/NDF: 98.6/96

eigen_cor_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2110.451+/-0.443 χ^2/NDF: 325768.3/21

Left Out: 2422.152+/-0.394 χ^2/NDF:952857.9/24

Right Out: 2125.268+/-0.427 χ^2/NDF: 505323.5/26

Left In: 2409.820+/-0.400 χ^2/NDF:428364.2/22

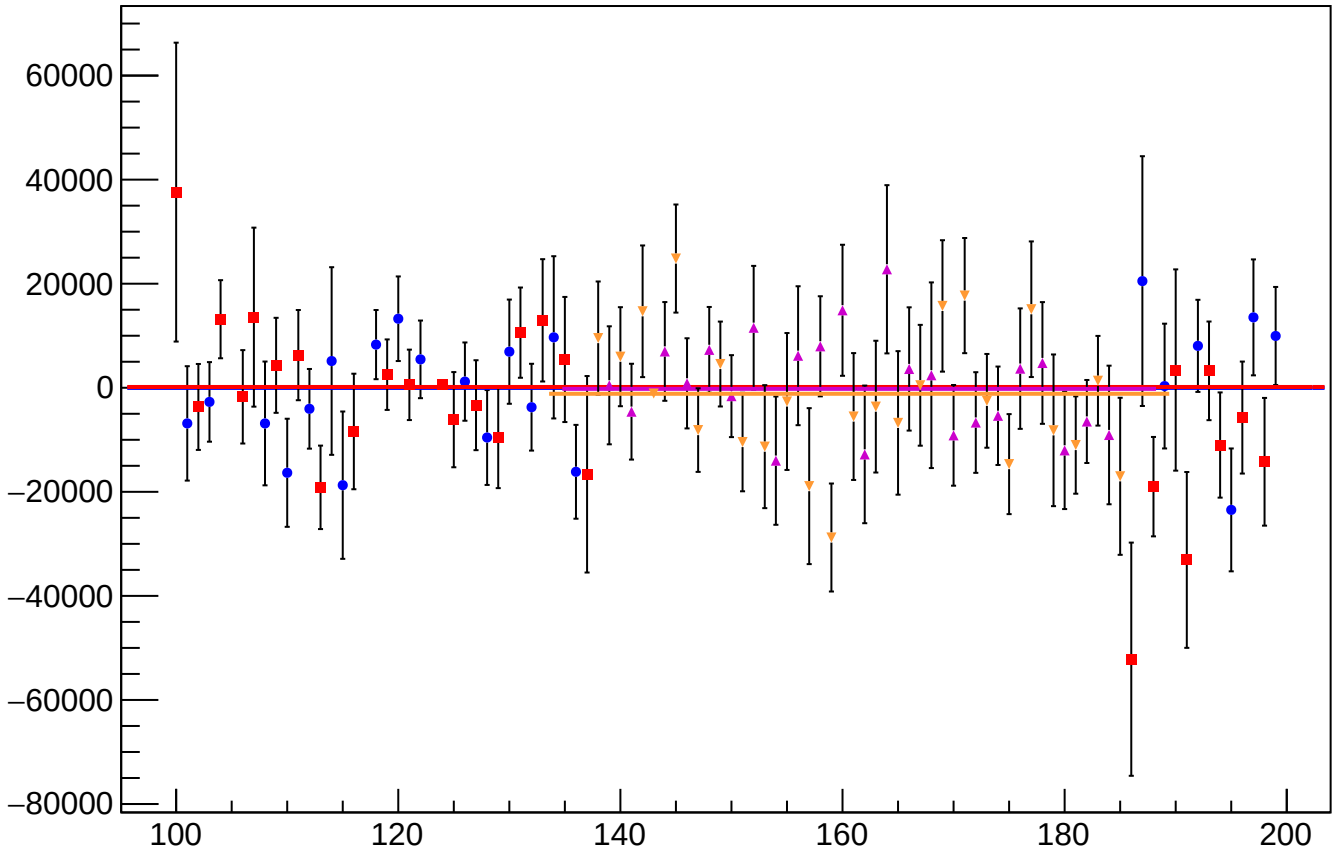
Left: 2416.083+/-0.281 χ^2/NDF: 1381703.9/47

Right: 2118.138+/-0.307 χ^2/NDF: 831672.4/48

In: 2275.198+/-0.297 χ^2/NDF:1005558.0/44

Out: 2285.440+/-0.289 χ^2/NDF:1719530.0/51

All: 2280.450+/-0.207 χ^2/NDF: 2725697.8/96



Right In: -28.781+/-2037.156 χ^2/NDF: 23.7/21

Left Out: -1157.974+/-757.732 χ^2/NDF:31.9/24

Right Out: 151.691+/-755.721 χ^2/NDF: 34.6/26

Left In: -209.500+/-2195.055 χ^2/NDF:13.4/22

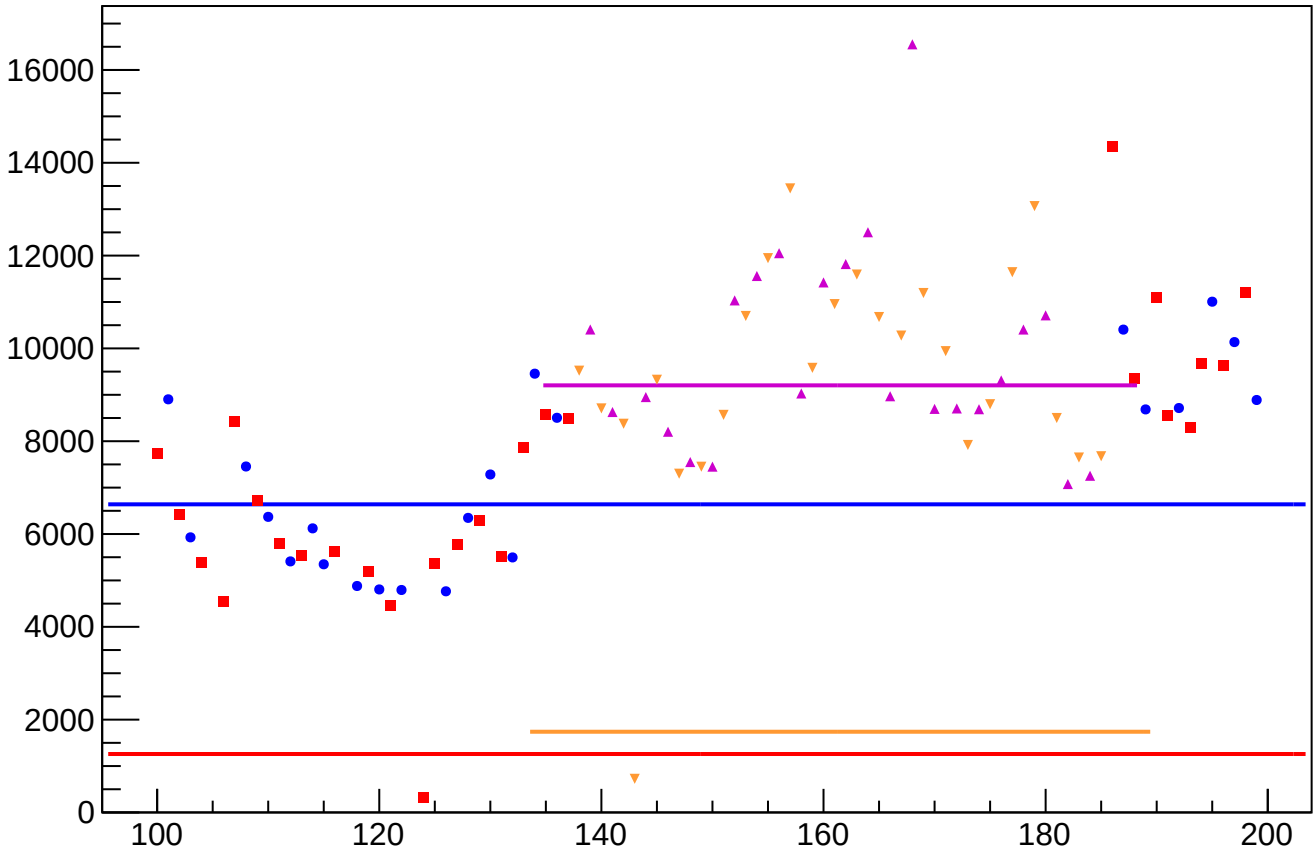
Left: -1056.985+/-716.258 χ^2/NDF: 45.5/47

Right: 129.859+/-708.539 χ^2/NDF: 58.3/48

In: -112.407+/-1493.191 χ^2/NDF:37.1/44

Out: -501.401+/-535.085 χ^2/NDF:68.1/51

All: -457.133+/-503.719 χ^2/NDF: 105.2/96



Right In: 6639.910+/-1.440 χ^2/NDF: 1671684.0/21

Left Out: 1739.457+/-0.536 χ^2/NDF:27735092.1/24

Right Out: 1259.520+/-0.534 χ^2/NDF: 19683514.5/26

Left In: 9203.744+/-1.552 χ^2/NDF:1272079.0/22

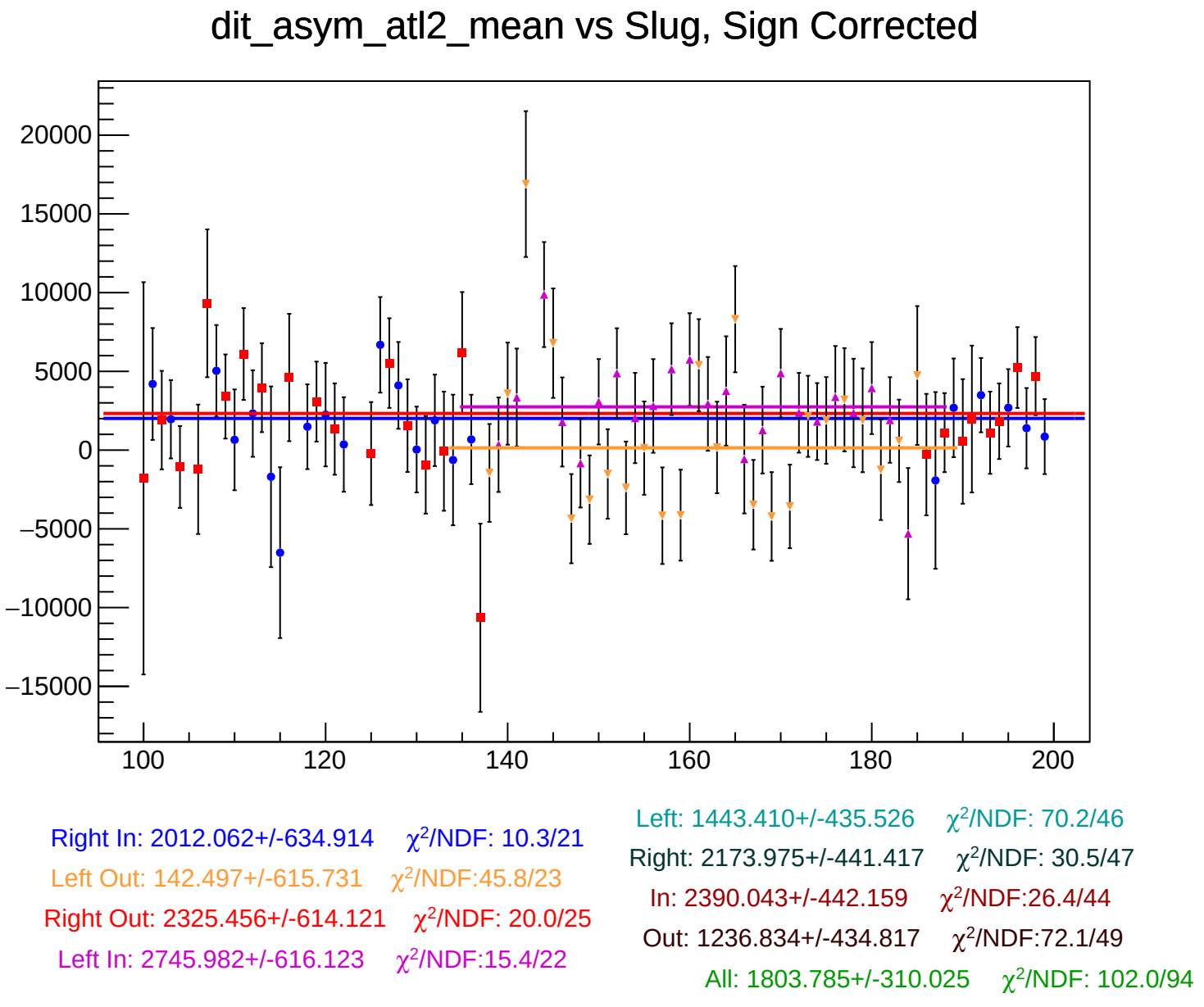
Left: 2534.217+/-0.506 χ^2/NDF: 49671551.4/47

Right: 1910.387+/-0.501 χ^2/NDF: 33618648.8/48

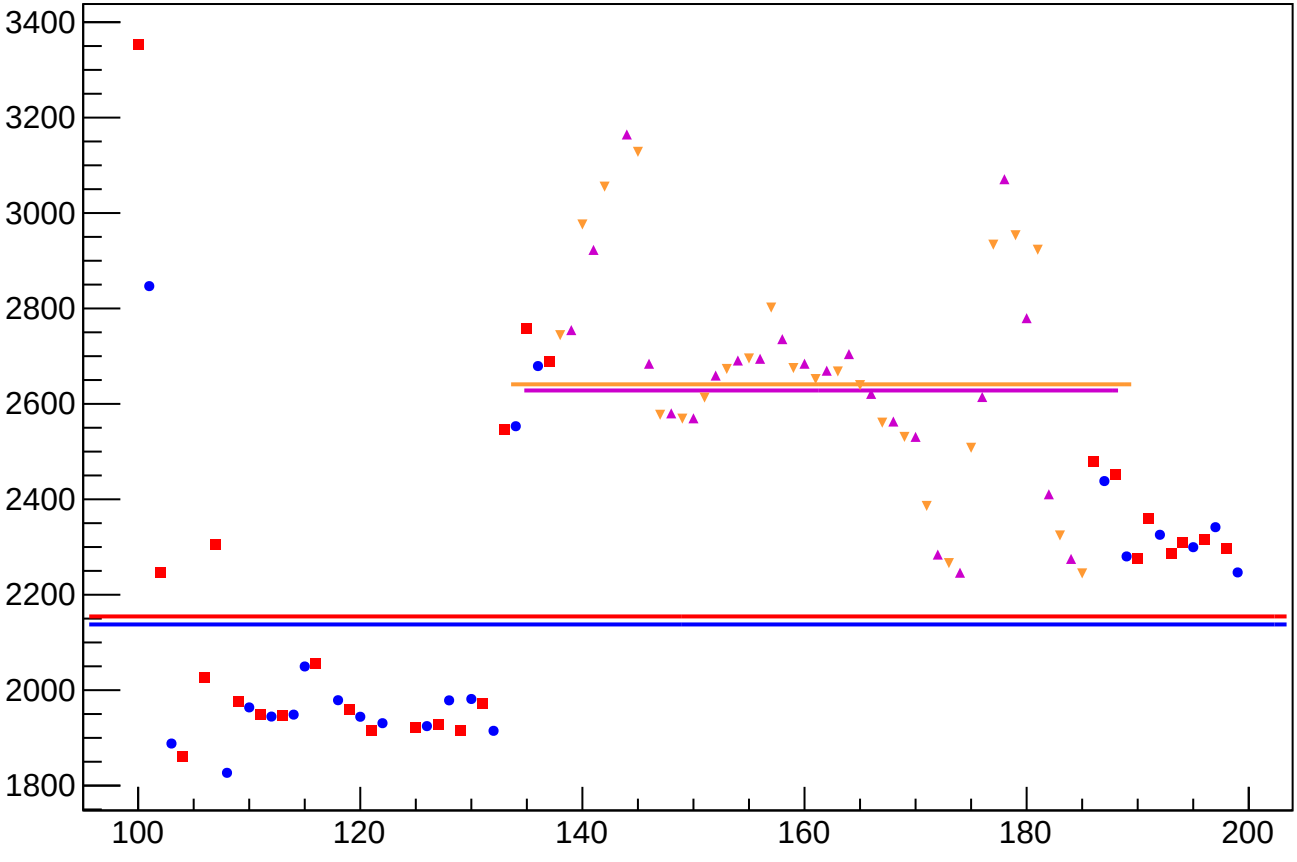
In: 7826.306+/-1.056 χ^2/NDF:4409651.6/44

Out: 1498.851+/-0.378 χ^2/NDF:47820851.6/51

All: 2218.922+/-0.356 χ^2/NDF: 84056987.1/9


dit_asym_atl2_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
−15000
100
120
140
160
180
200
Right In: 2012.062+/-634.914 χ²/NDF: 10.3/21
Left Out: 142.497+/-615.731 χ²/NDF:45.8/23
Right Out: 2325.456+/-614.121 χ²/NDF: 20.0/25
Left In: 2745.982+/-616.123 χ²/NDF:15.4/22
Left: 1443.410+/-435.526 χ²/NDF: 70.2/46
Right: 2173.975+/-441.417 χ²/NDF: 30.5/47
In: 2390.043+/-442.159 χ²/NDF:26.4/44
Out: 1236.834+/-434.817 χ²/NDF:72.1/49
All: 1803.785+/-310.025 χ²/NDF: 102.0/94

dit_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2137.736+/-0.449 χ^2/NDF: 340588.0/21

Left Out: 2640.990+/-0.435 χ^2/NDF:253402.6/23

Right Out: 2154.536+/-0.434 χ^2/NDF: 311559.5/25

Left In: 2628.113+/-0.436 χ^2/NDF:237507.6/22

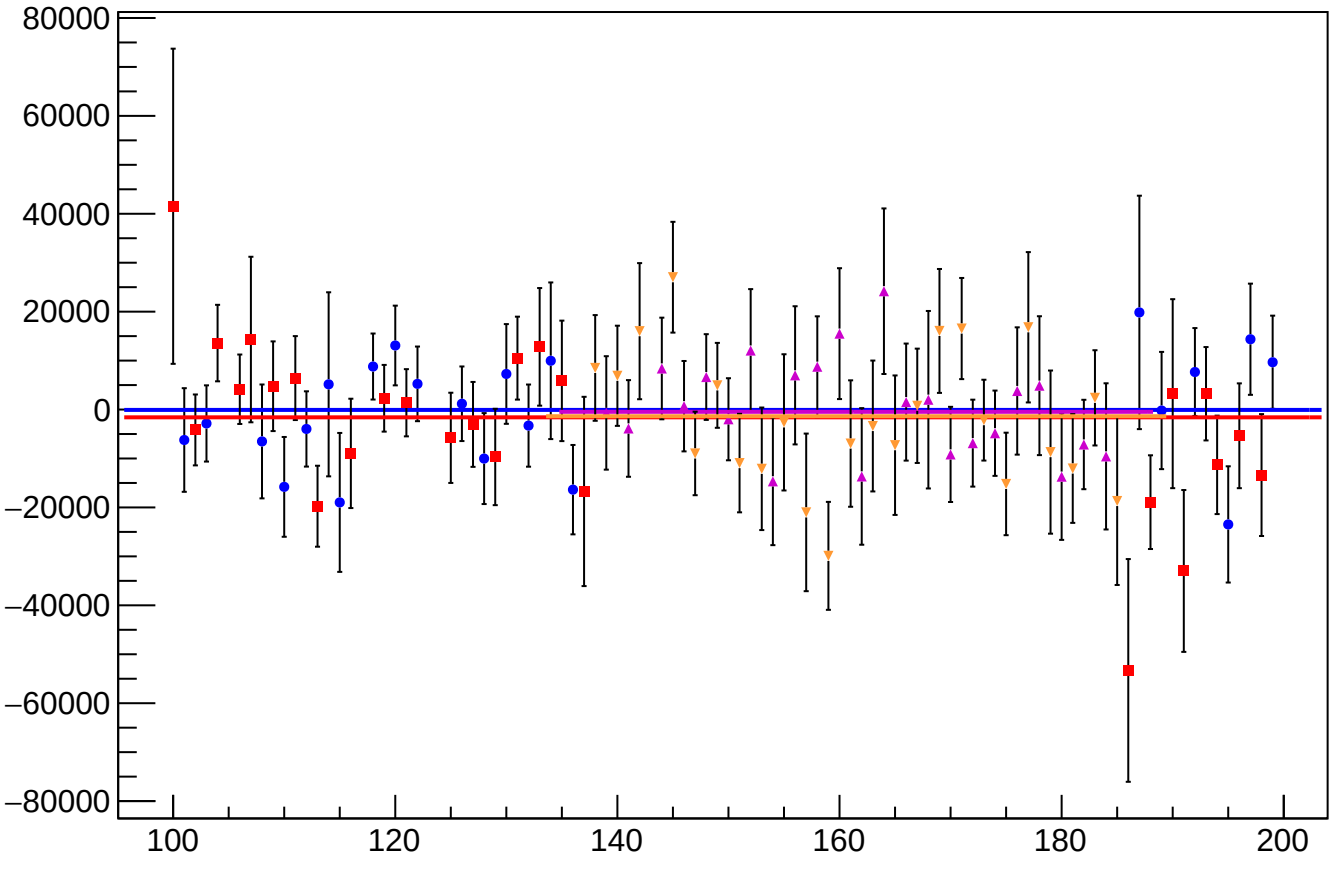
Left: 2634.556+/-0.308 χ^2/NDF: 491347.2/46

Right: 2146.424+/-0.312 χ^2/NDF: 652871.7/47

In: 2390.288+/-0.313 χ^2/NDF:1192540.9/44

Out: 2396.893+/-0.307 χ^2/NDF:1191362.7/49

All: 2393.648+/-0.219 χ^2/NDF: 2384130.5/94



Right In: -75.123+/-2054.396 χ^2/NDF: 23.5/21

Left Out: -1366.840+/-2326.289 χ^2/NDF:31.3/23

Right Out: -1591.268+/-1919.591 χ^2/NDF: 34.0/25

Left In: -463.775+/-2314.478 χ^2/NDF:13.1/22

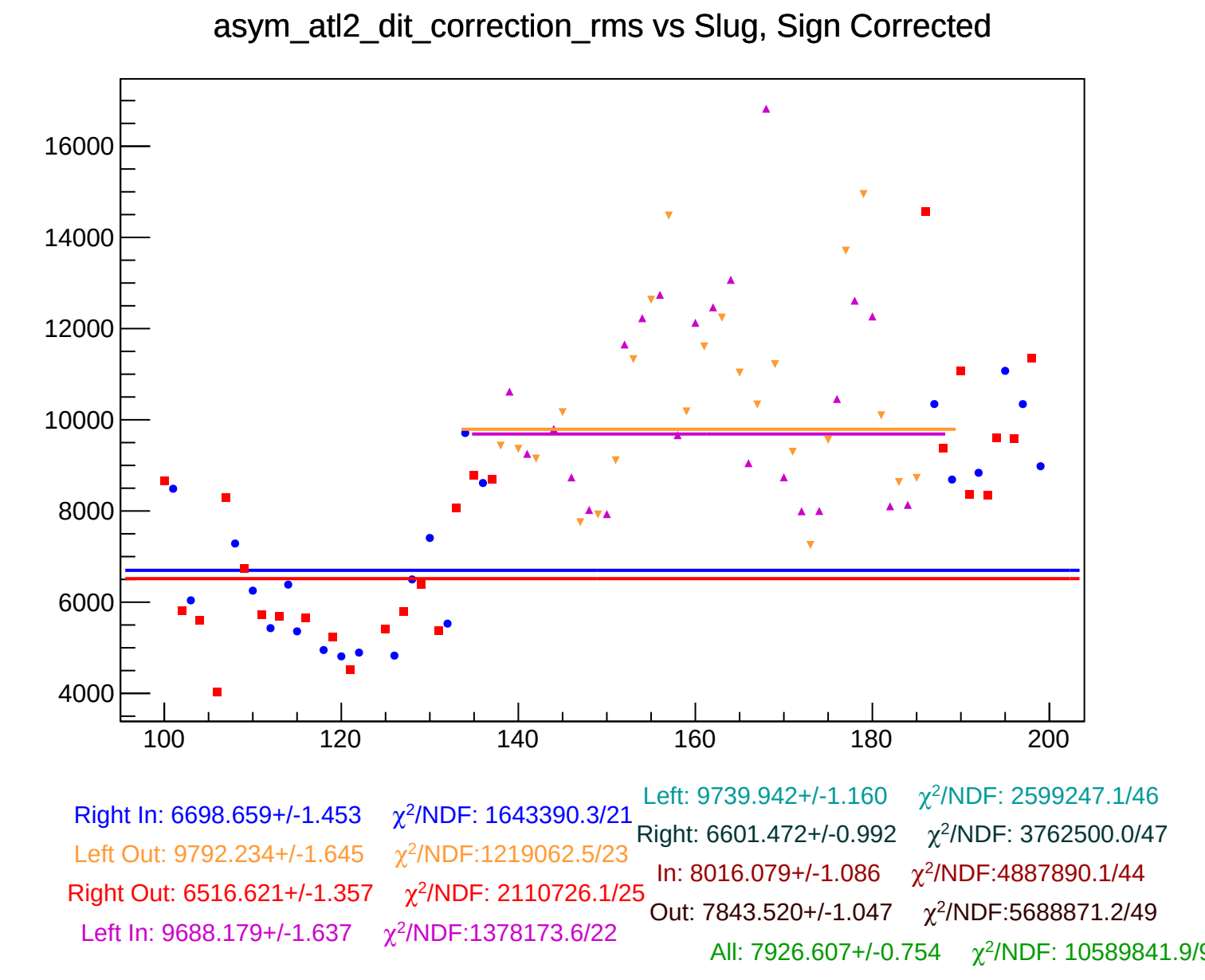
Left: -913.009+/-1640.743 χ^2/NDF: 44.4/46

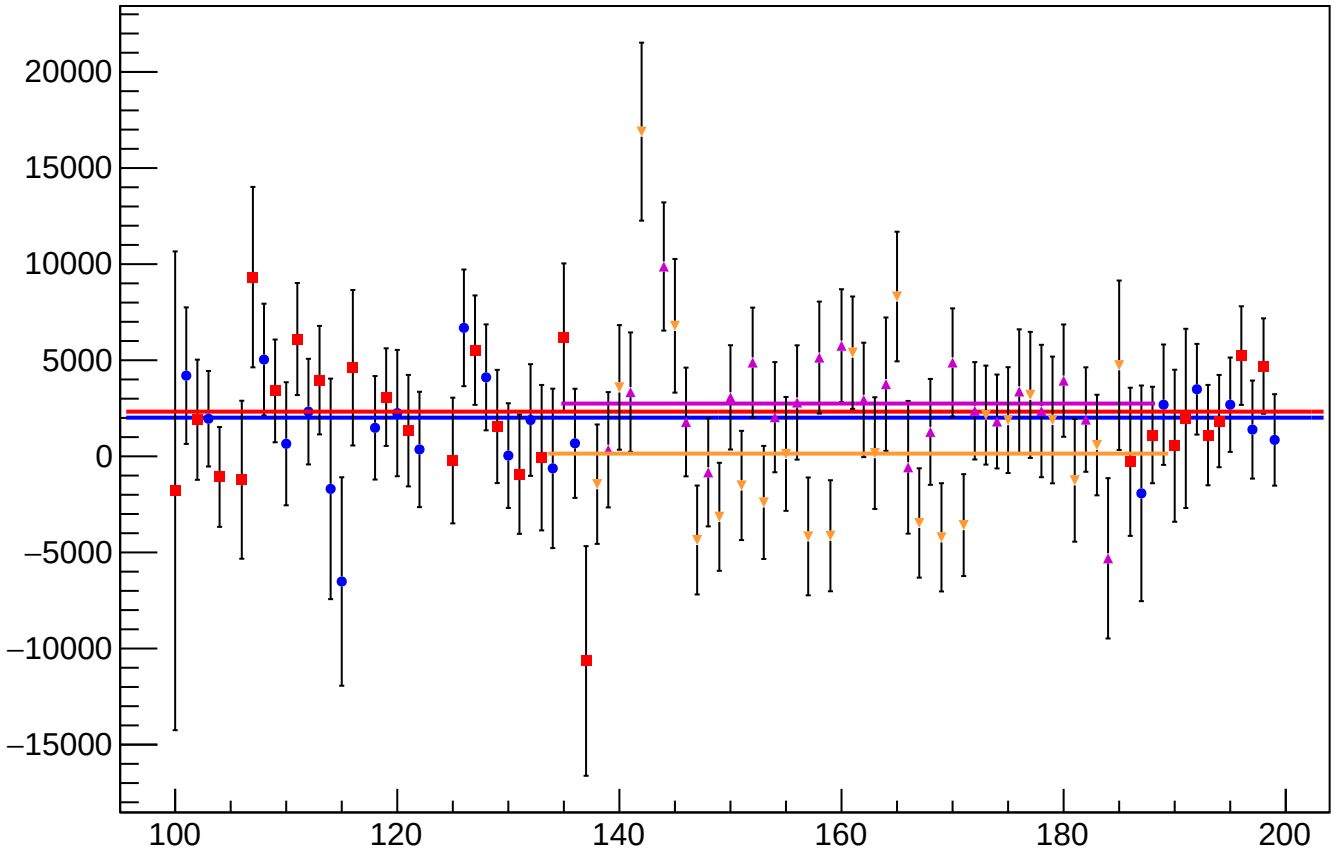
Right: -884.567+/-1402.593 χ^2/NDF: 57.8/47

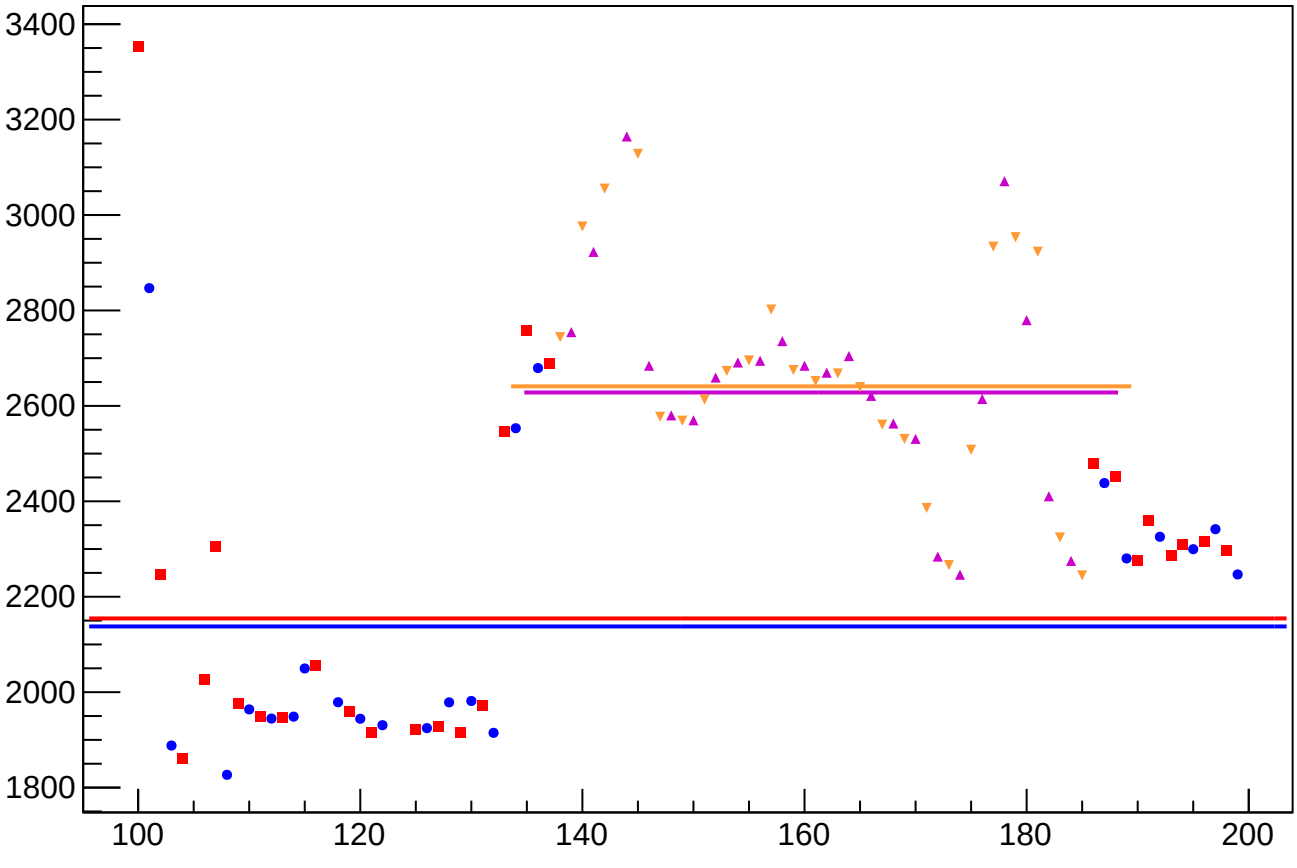
In: -246.394+/-1536.436 χ^2/NDF:36.6/44

Out: -1500.355+/-1480.595 χ^2/NDF:65.3/49

All: -896.576+/-1066.134 χ^2/NDF: 102.2/94


asym_atl2_dit_correction_rms vs Slug, Sign Corrected
16000
14000
12000
10000
8000
6000
4000
100
120
140
160
180
200
Right In: 6698.659+/-1.453 χ²/NDF: 1643390.3/21
Left Out: 9792.234+/-1.645 χ²/NDF:1219062.5/23
Right Out: 6516.621+/-1.357 χ²/NDF: 2110726.1/25
Left In: 9688.179+/-1.637 χ²/NDF:1378173.6/22
Left: 9739.942+/-1.160 χ²/NDF: 2599247.1/46
Right: 6601.472+/-0.992 χ²/NDF: 3762500.0/47
In: 8016.079+/-1.086 χ²/NDF:4887890.1/44
Out: 7843.520+/-1.047 χ²/NDF:5688871.2/49
All: 7926.607+/-0.754 χ²/NDF: 10589841.9/9


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: 2012.060+/-634.914 χ²/NDF: 10.3/21
Left Out: 142.487+/-615.732 χ²/NDF:45.8/23
Right Out: 2325.457+/-614.121 χ²/NDF: 20.0/25
Left In: 2745.980+/-616.124 χ²/NDF:15.4/22
Left: 1443.405+/-435.527 χ²/NDF: 70.2/46
Right: 2173.974+/-441.417 χ²/NDF: 30.5/47
In: 2390.041+/-442.159 χ²/NDF:26.4/44
Out: 1236.831+/-434.817 χ²/NDF:72.1/49
All: 1803.782+/-310.025 χ²/NDF: 102.0/94



Right In: 2137.736+/-0.449 χ^2/NDF: 340588.1/21

Left Out: 2640.993+/-0.435 χ^2/NDF:253411.8/23

Right Out: 2154.536+/-0.434 χ^2/NDF: 311560.0/25

Left In: 2628.116+/-0.436 χ^2/NDF:237516.8/22

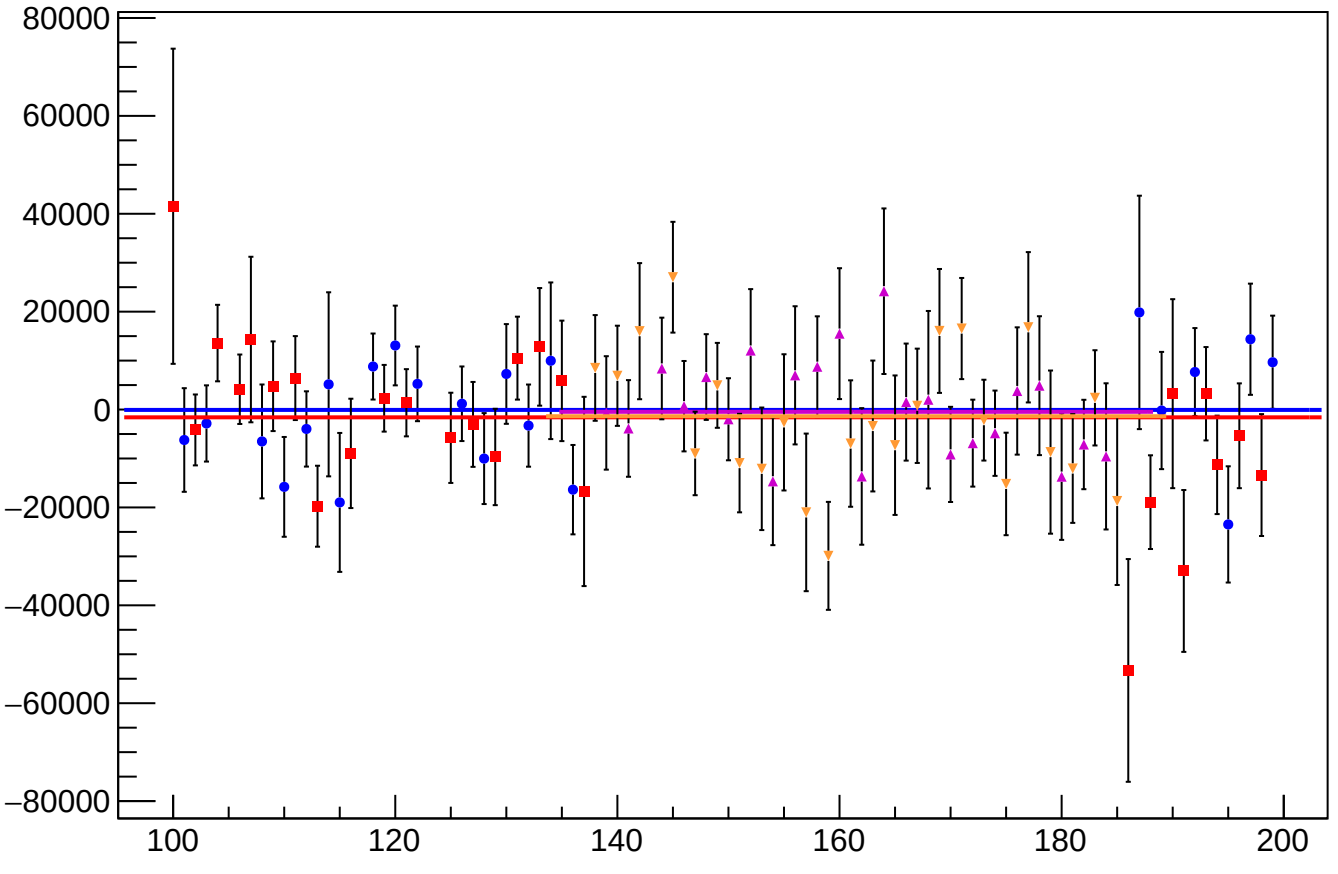
Left: 2634.558+/-0.308 χ^2/NDF: 491365.7/46

Right: 2146.424+/-0.312 χ^2/NDF: 652872.2/47

In: 2390.289+/-0.313 χ^2/NDF:1192554.8/44

Out: 2396.894+/-0.307 χ^2/NDF:1191377.6/49

All: 2393.649+/-0.219 χ^2/NDF: 2384159.4/94



Right In: -75.116+/-2054.392 χ^2/NDF: 23.5/21

Left Out: -1366.849+/-2326.293 χ^2/NDF:31.3/23

Right Out: -1591.255+/-1919.587 χ^2/NDF: 34.0/25

Left In: -463.777+/-2314.482 χ^2/NDF:13.1/22

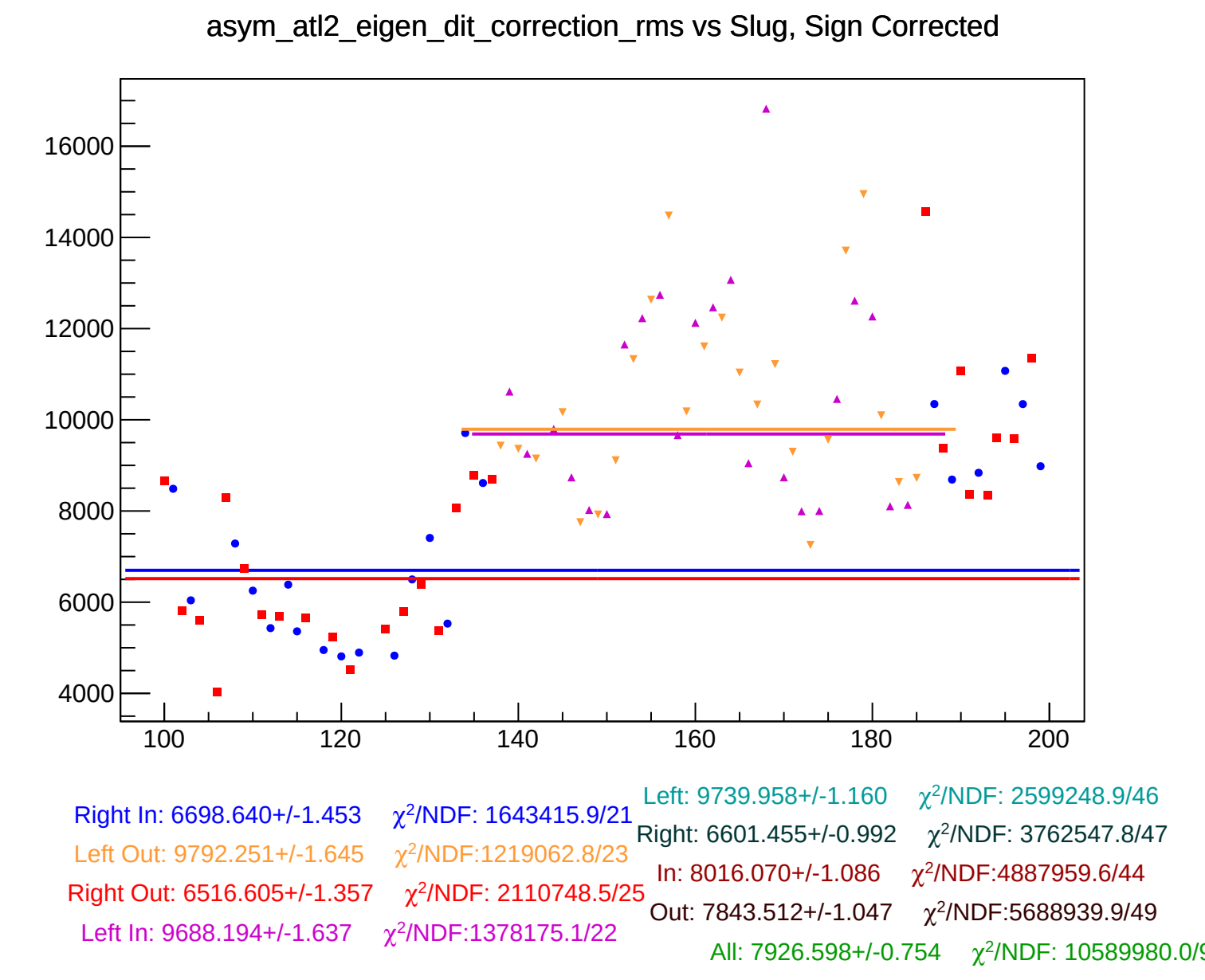
Left: -913.015+/-1640.746 χ^2/NDF: 44.4/46

Right: -884.557+/-1402.590 χ^2/NDF: 57.8/47

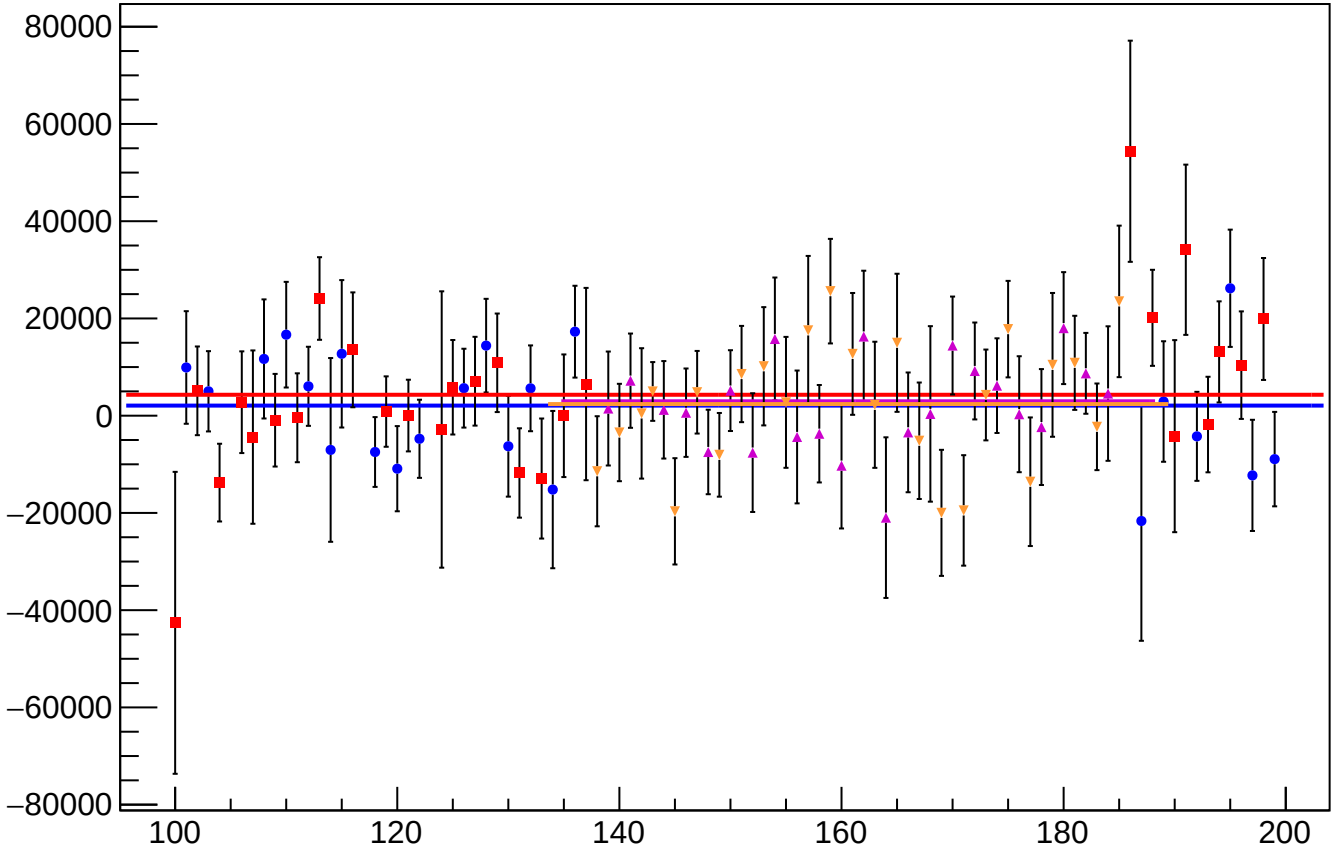
In: -246.390+/-1536.435 χ^2/NDF:36.6/44

Out: -1500.352+/-1480.595 χ^2/NDF:65.3/49

All: -896.572+/-1066.133 χ^2/NDF: 102.2/94


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: 6698.640+/-1.453 χ²/NDF: 1643415.9/21
Left Out: 9792.251+/-1.645 χ²/NDF:1219062.8/23
Right Out: 6516.605+/-1.357 χ²/NDF: 2110748.5/25
Left In: 9688.194+/-1.637 χ²/NDF:1378175.1/22
Left: 9739.958+/-1.160 χ²/NDF: 2599248.9/46
Right: 6601.455+/-0.992 χ²/NDF: 3762547.8/47
In: 8016.070+/-1.086 χ²/NDF:4887959.6/44
Out: 7843.512+/-1.047 χ²/NDF:5688939.9/49
All: 7926.598+/-0.754 χ²/NDF: 10589980.0/9

asym_atl2_mean vs Slug, Sign Corrected



Right In: 2075.845+/-2152.287 χ^2/NDF: 23.3/21

Left Out: 2387.857+/-2136.530 χ^2/NDF:29.7/24

Right Out: 4303.684+/-2060.979 χ^2/NDF: 34.0/26

Left In: 2963.537+/-2278.927 χ^2/NDF:13.0/22

Left: 2657.151+/-1558.666 χ^2/NDF: 42.8/47

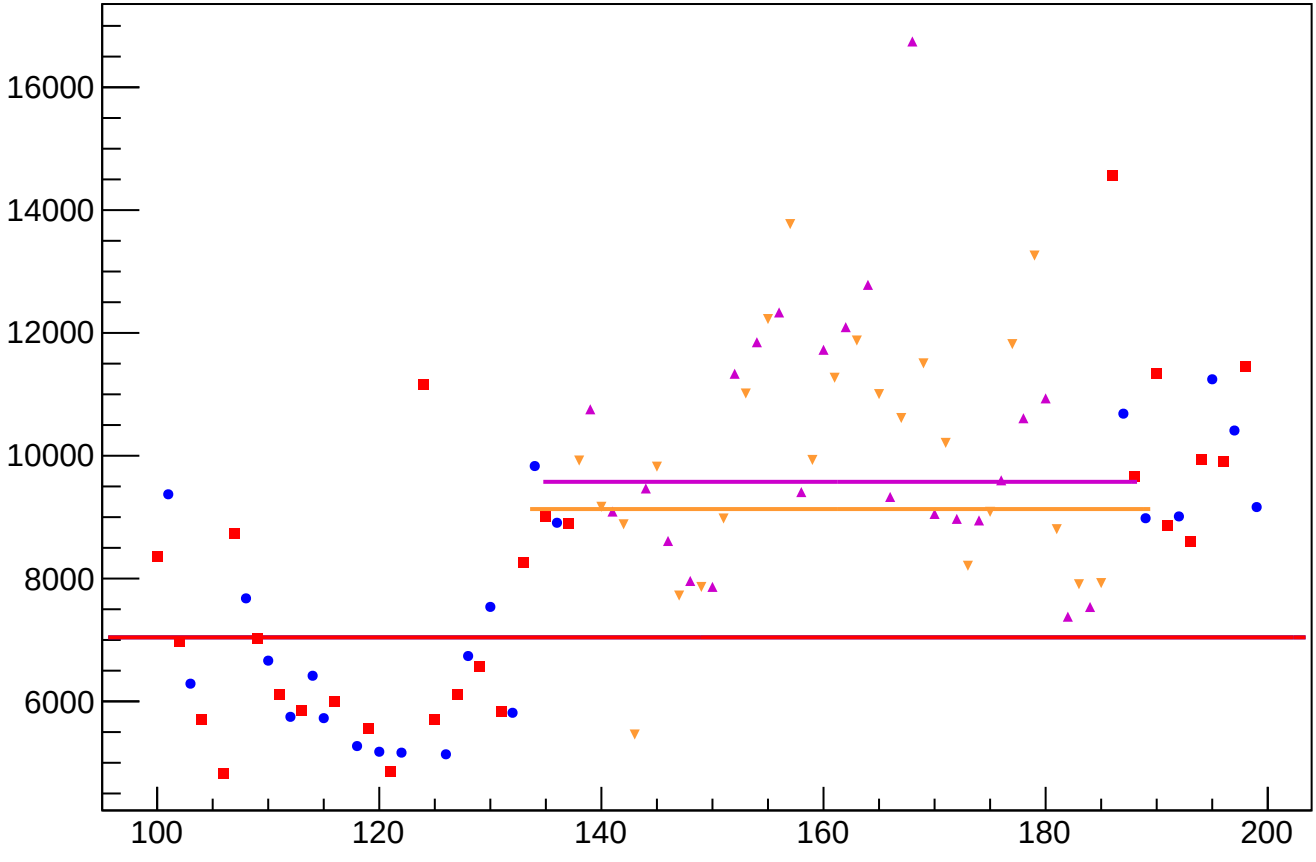
Right: 3238.022+/-1488.566 χ^2/NDF: 57.9/48

In: 2494.342+/-1564.752 χ^2/NDF:36.4/44

Out: 3380.242+/-1483.323 χ^2/NDF:64.2/51

All: 2960.942+/-1076.504 χ^2/NDF: 100.7/96

asym_atl2_rms vs Slug, Sign Corrected



Right In: 7042.776+/-1.522 χ^2/NDF: 1485081.8/21

Left Out: 9131.714+/-1.511 χ^2/NDF:1811661.2/24

Right Out: 7042.329+/-1.457 χ^2/NDF: 1791543.7/26

Left In: 9575.233+/-1.611 χ^2/NDF:1153802.3/22

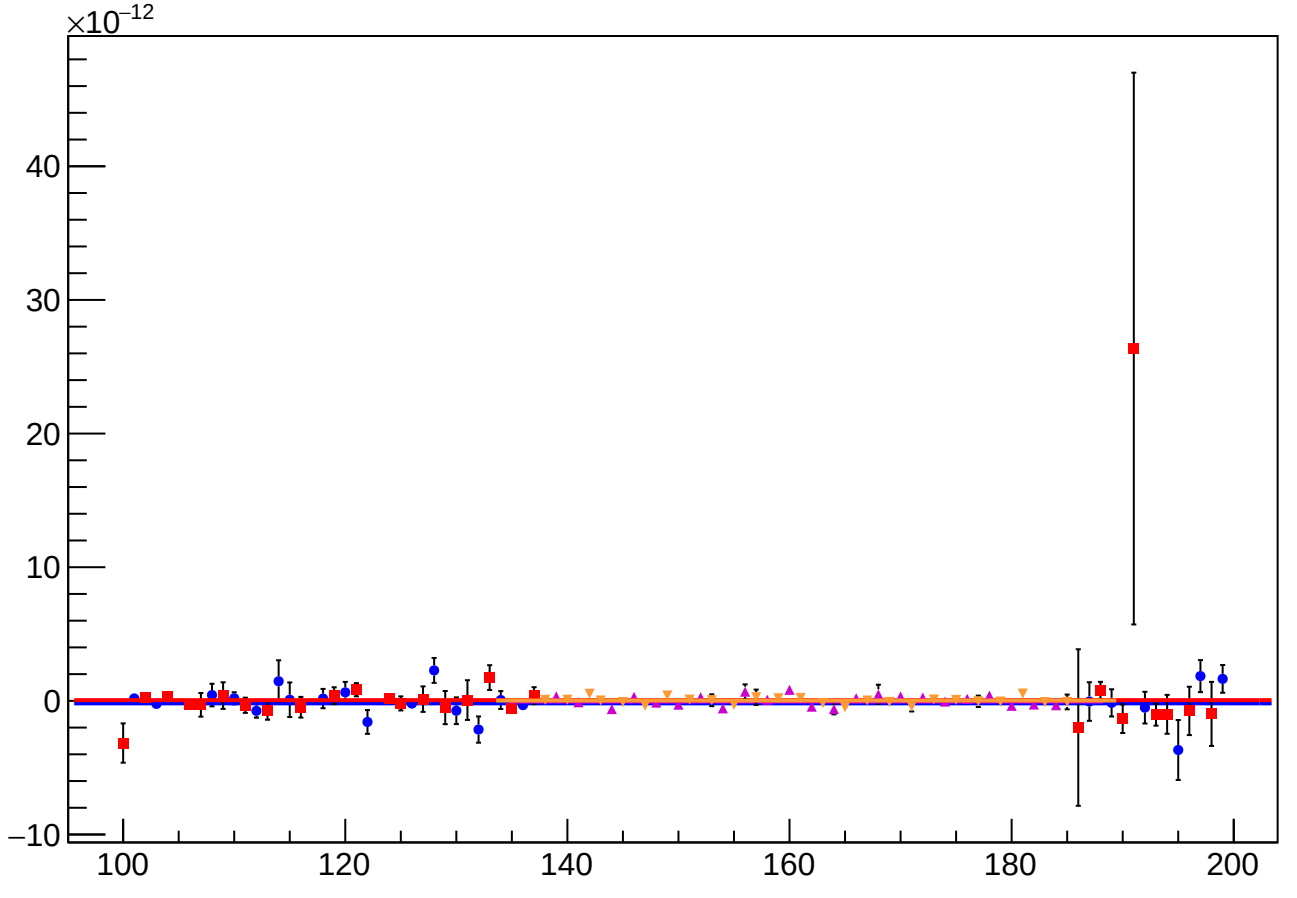
Left: 9339.185+/-1.102 χ^2/NDF: 3005779.9/47

Right: 7042.543+/-1.053 χ^2/NDF: 3276625.6/48

In: 8236.687+/-1.106 χ^2/NDF:3944287.2/44

Out: 8049.425+/-1.049 χ^2/NDF:4593977.0/51

All: 8138.057+/-0.761 χ^2/NDF: 8553351.1/96



Right In: -0.000+/-0.000 χ^2/NDF: 29.5/21

Left Out: 0.000+/-0.000 χ^2/NDF:17.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 28.4/26

Left In: -0.000+/-0.000 χ^2/NDF:36.8/22

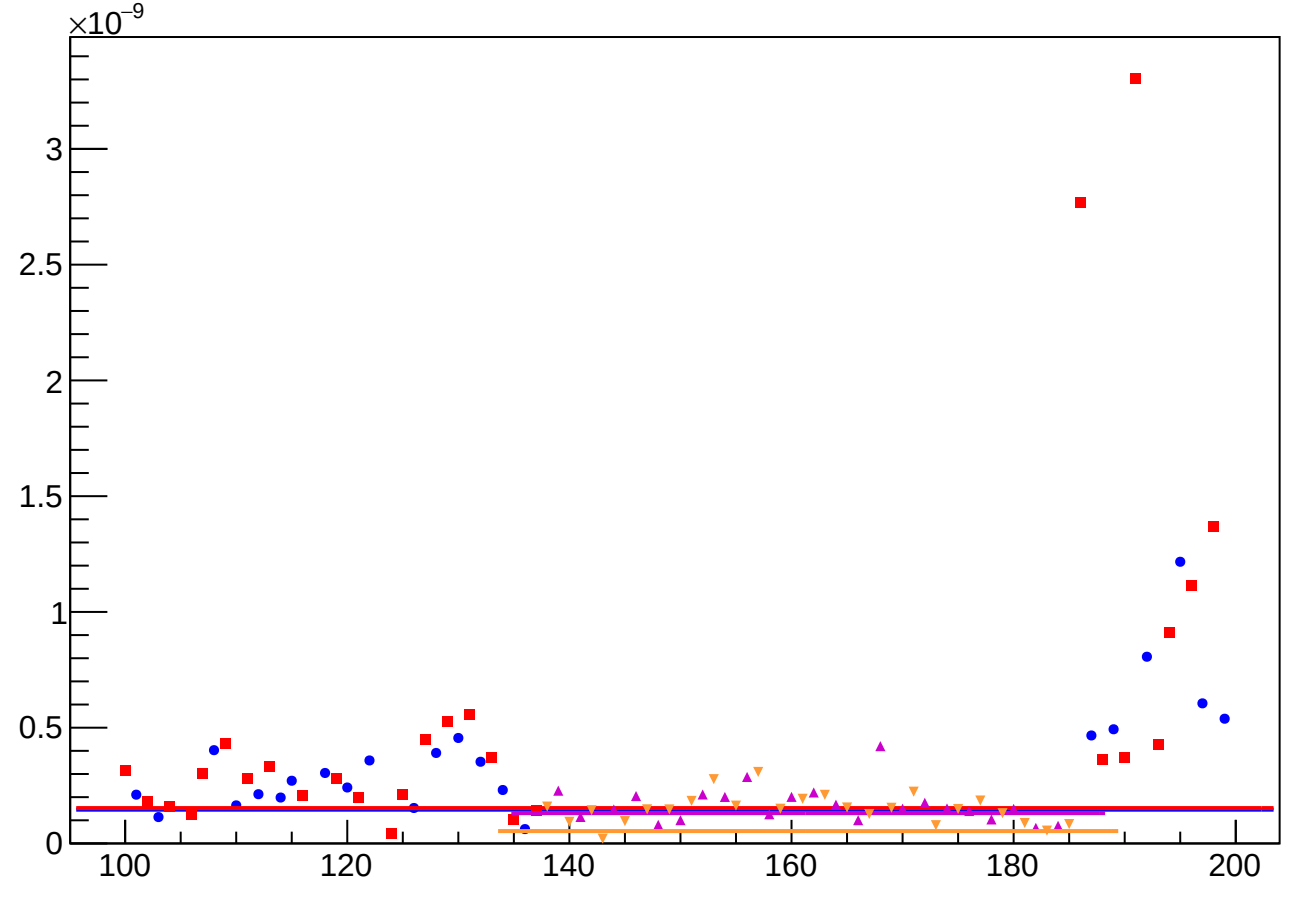
Left: 0.000+/-0.000 χ^2/NDF: 56.1/47

Right: -0.000+/-0.000 χ^2/NDF: 61.1/48

In: -0.000+/-0.000 χ^2/NDF:67.9/44

Out: 0.000+/-0.000 χ^2/NDF:46.3/51

All: -0.000+/-0.000 χ^2/NDF: 118.4/96



Right In: 0.000+/-0.000 χ^2/NDF: 3770611.4/21

Left Out: 0.000+/-0.000 χ^2/NDF:7244510.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4980014.1/26

Left In: 0.000+/-0.000 χ^2/NDF:1904207.4/22

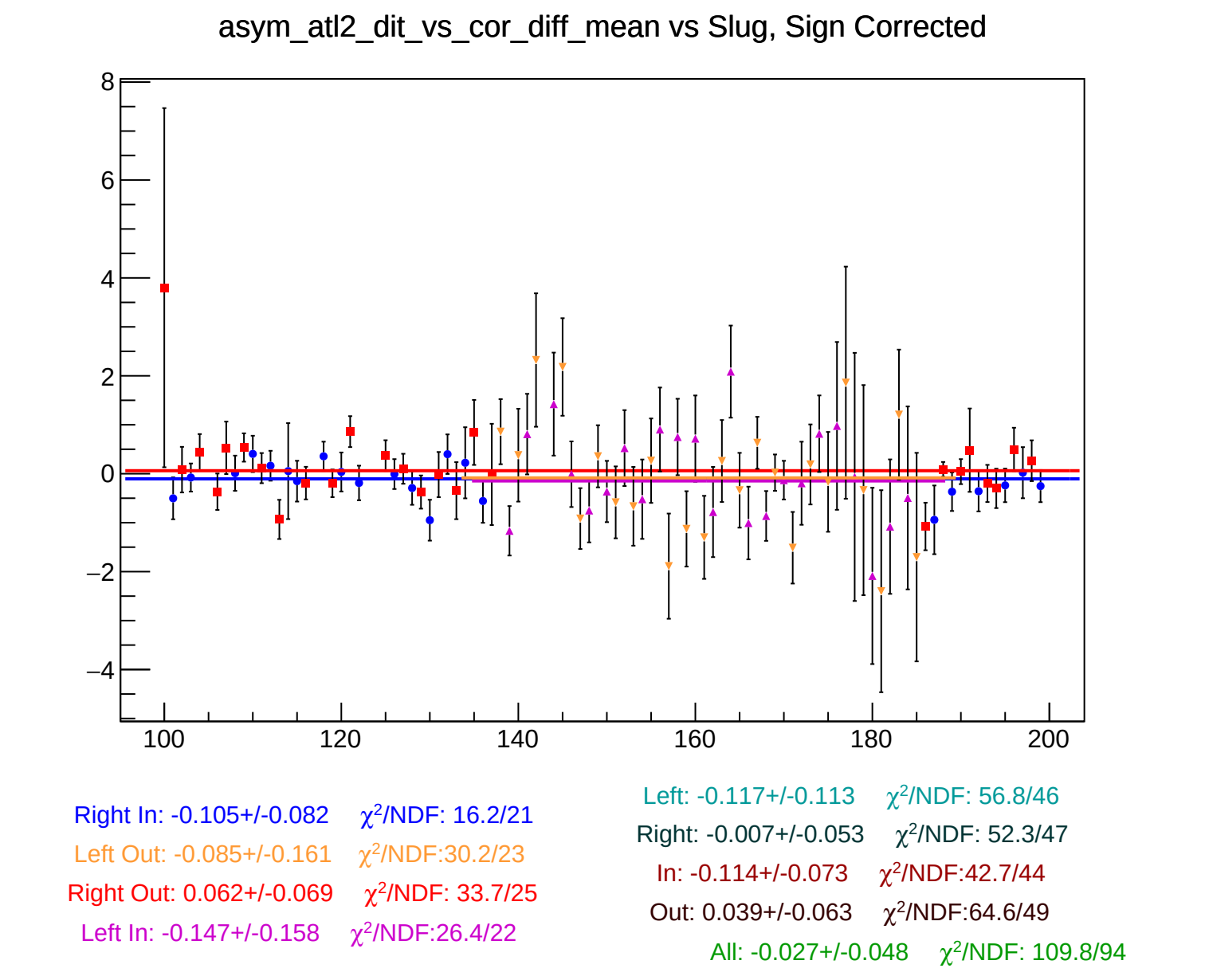
Left: 0.000+/-0.000 χ^2/NDF: 12255967.6/47

Right: 0.000+/-0.000 χ^2/NDF: 8756167.5/48

In: 0.000+/-0.000 χ^2/NDF:5712120.5/44

Out: 0.000+/-0.000 χ^2/NDF:14286340.5/51

All: 0.000+/-0.000 χ^2/NDF: 23448619.7/96


asym_atl2_dit_vs_cor_diff_mean vs Slug, Sign Corrected
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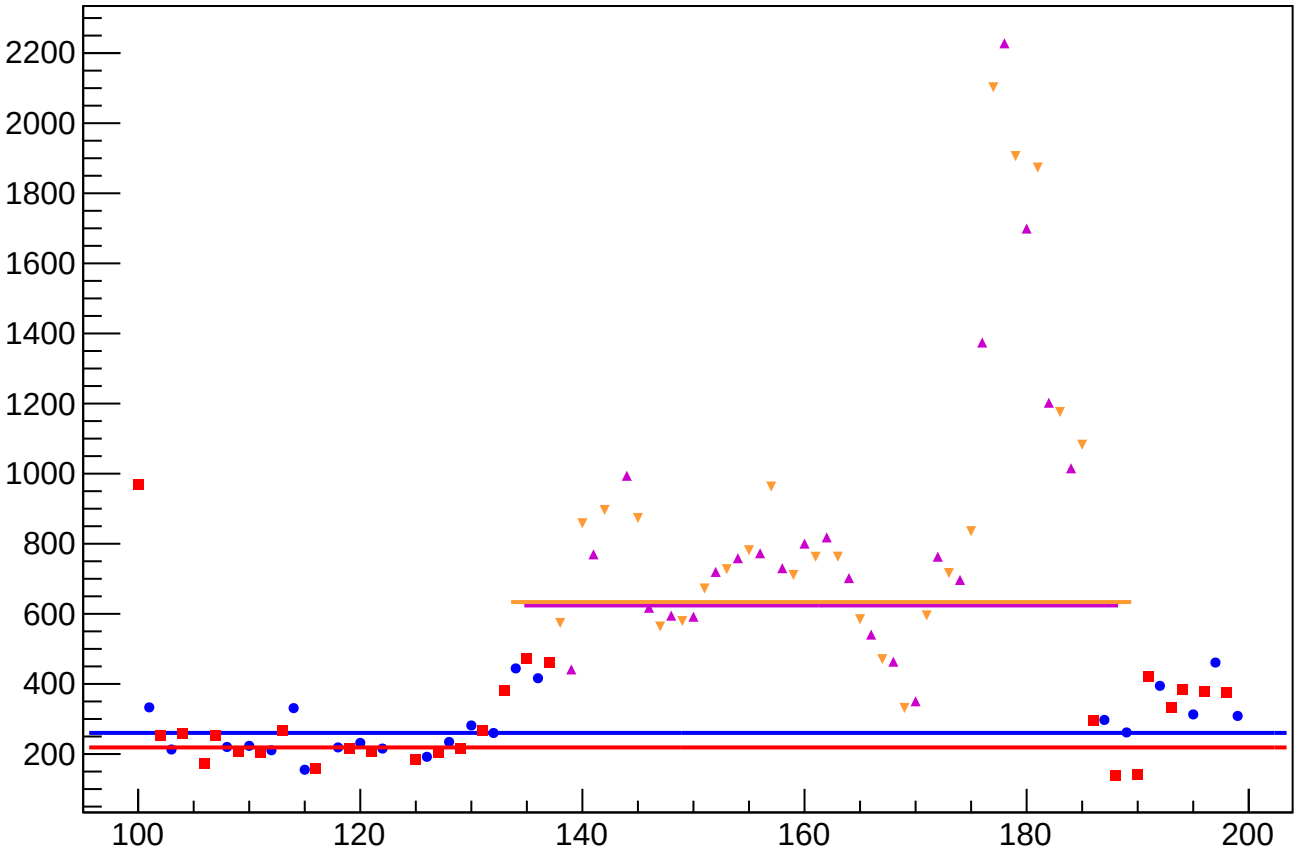
200
Right In: -0.105+/-0.082 χ²/NDF: 16.2/21
Left Out: -0.085+/-0.161 χ²/NDF:30.2/23
Right Out: 0.062+/-0.069 χ²/NDF: 33.7/25
Left In: -0.147+/-0.158 χ²/NDF:26.4/22
Left: -0.117+/-0.113 χ²/NDF: 56.8/46
Right: -0.007+/-0.053 χ²/NDF: 52.3/47
In: -0.114+/-0.073 χ²/NDF:42.7/44
Out: 0.039+/-0.063 χ²/NDF:64.6/49
All: -0.027+/-0.048 χ²/NDF: 109.8/94



Right In: 260.274+/-0.058 χ^2/NDF: 1523566.4/21

Left Out: 633.674+/-0.114 χ^2/NDF:4994105.8/23

Right Out: 218.792+/-0.049 χ^2/NDF: 2834753.5/25

Left In: 623.916+/-0.112 χ^2/NDF:4541431.8/22

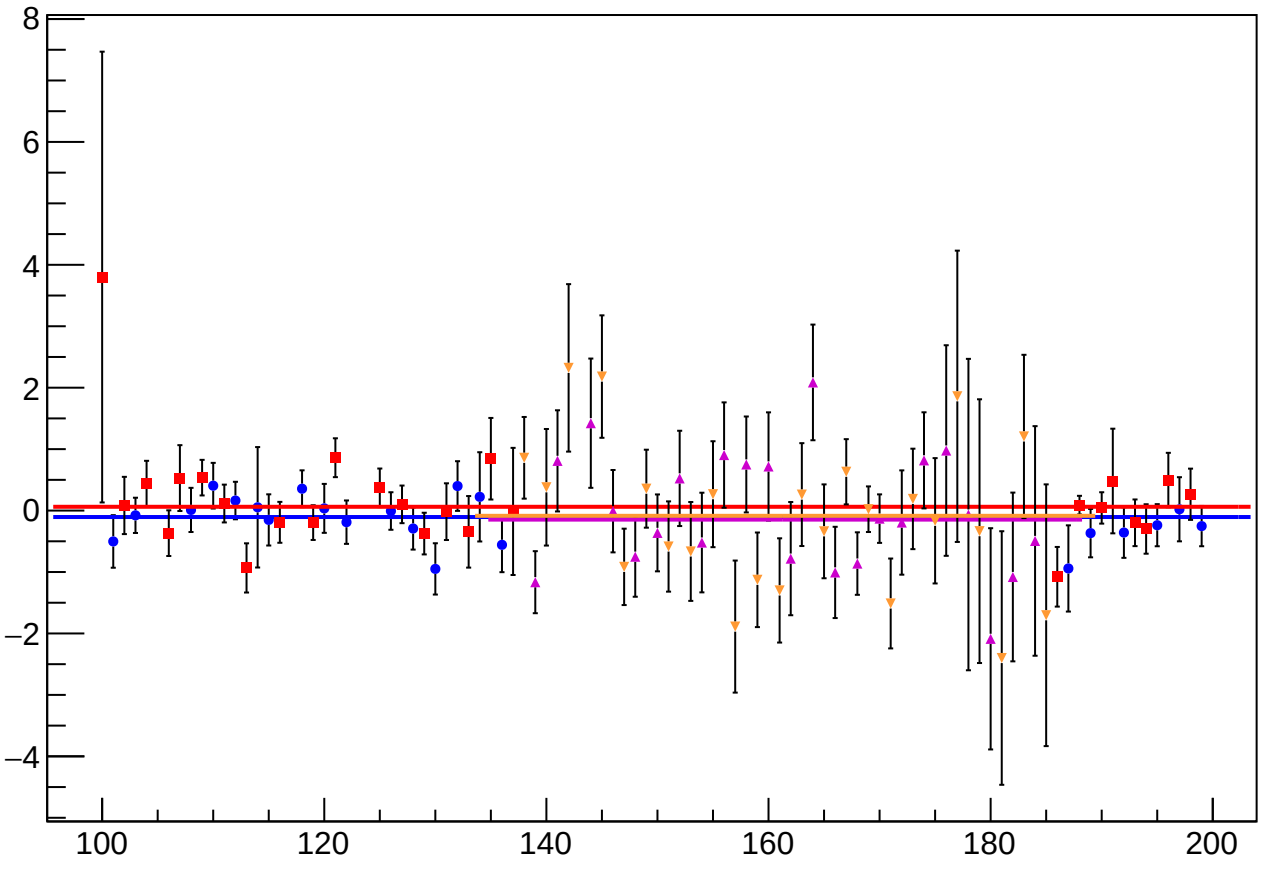
Left: 628.697+/-0.080 χ^2/NDF: 9539265.1/46

Right: 235.969+/-0.037 χ^2/NDF: 4659855.5/47

In: 336.943+/-0.051 χ^2/NDF:14403115.8/44

Out: 282.481+/-0.045 χ^2/NDF:19010984.8/49

All: 305.964+/-0.034 χ^2/NDF: 34053501.7/94



Right In: -0.105+/-0.082 χ^2/NDF: 16.2/21

Left Out: -0.085+/-0.161 χ^2/NDF:30.2/23

Right Out: 0.062+/-0.069 χ^2/NDF: 33.7/25

Left In: -0.147+/-0.158 χ^2/NDF:26.4/22

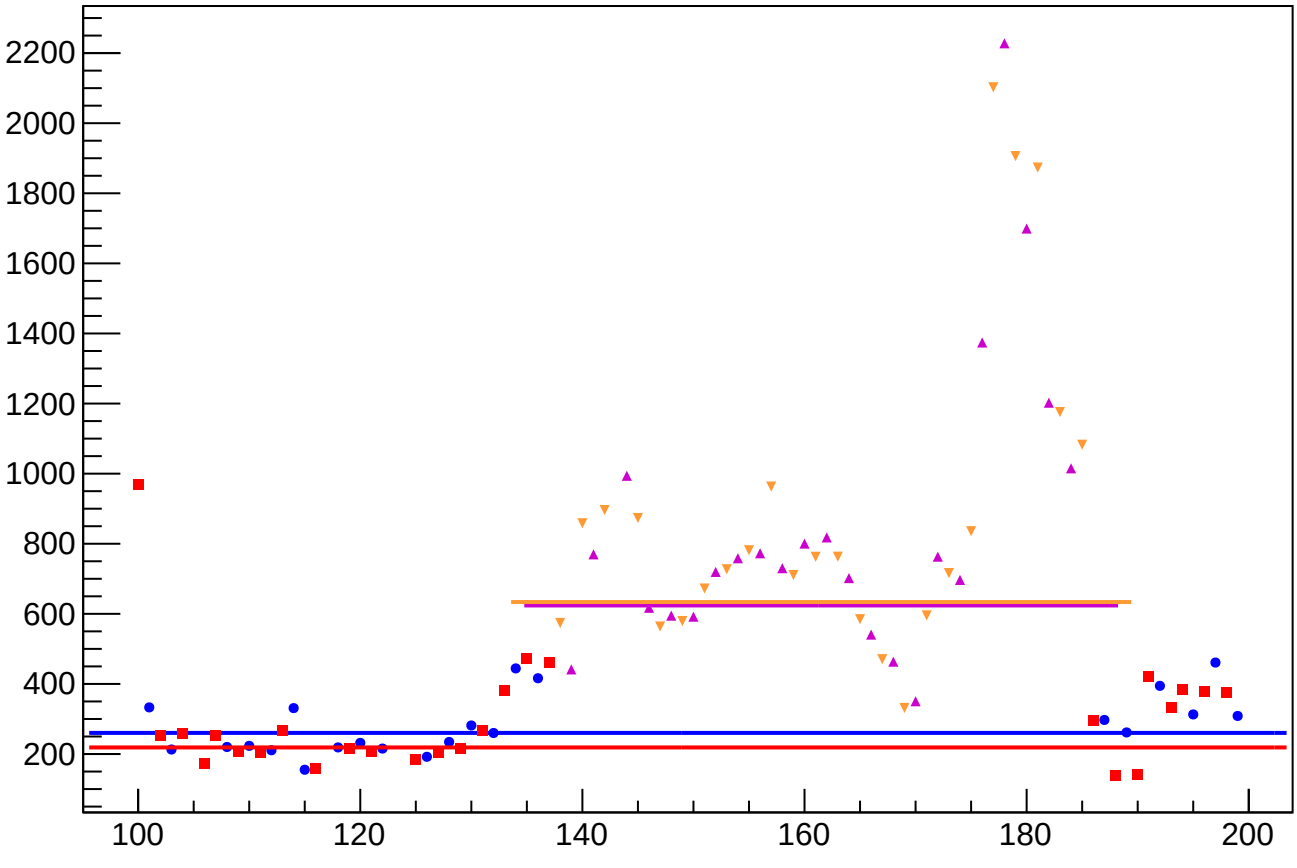
Left: -0.117+/-0.113 χ^2/NDF: 56.8/46

Right: -0.007+/-0.053 χ^2/NDF: 52.3/47

In: -0.114+/-0.073 χ^2/NDF:42.7/44

Out: 0.039+/-0.063 χ^2/NDF:64.6/49

All: -0.027+/-0.048 χ^2/NDF: 109.8/94



Right In: 260.274+/-0.058 χ^2/NDF: 1523566.4/21

Left Out: 633.674+/-0.114 χ^2/NDF:4994105.8/23

Right Out: 218.792+/-0.049 χ^2/NDF: 2834753.5/25

Left In: 623.916+/-0.112 χ^2/NDF:4541431.8/22

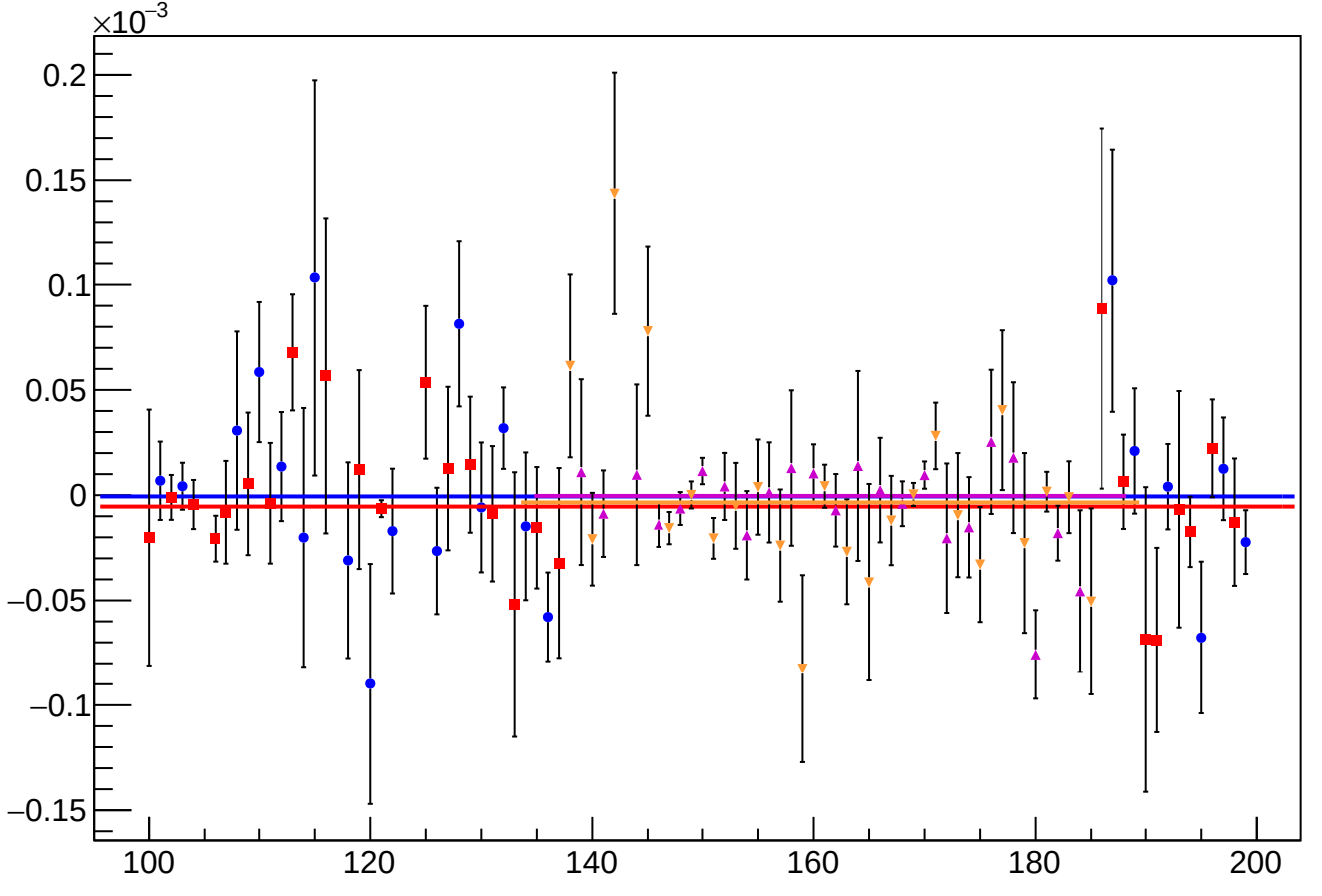
Left: 628.697+/-0.080 χ^2/NDF: 9539265.1/46

Right: 235.969+/-0.037 χ^2/NDF: 4659855.5/47

In: 336.943+/-0.051 χ^2/NDF:14403115.8/44

Out: 282.481+/-0.045 χ^2/NDF:19010984.8/49

All: 305.964+/-0.034 χ^2/NDF: 34053501.7/94



Right In: -0.000+/-0.000 χ^2/NDF: 33.3/21

Left Out: -0.000+/-0.000 χ^2/NDF:34.3/23

Right Out: -0.000+/-0.000 χ^2/NDF: 20.9/25

Left In: -0.000+/-0.000 χ^2/NDF:27.9/22

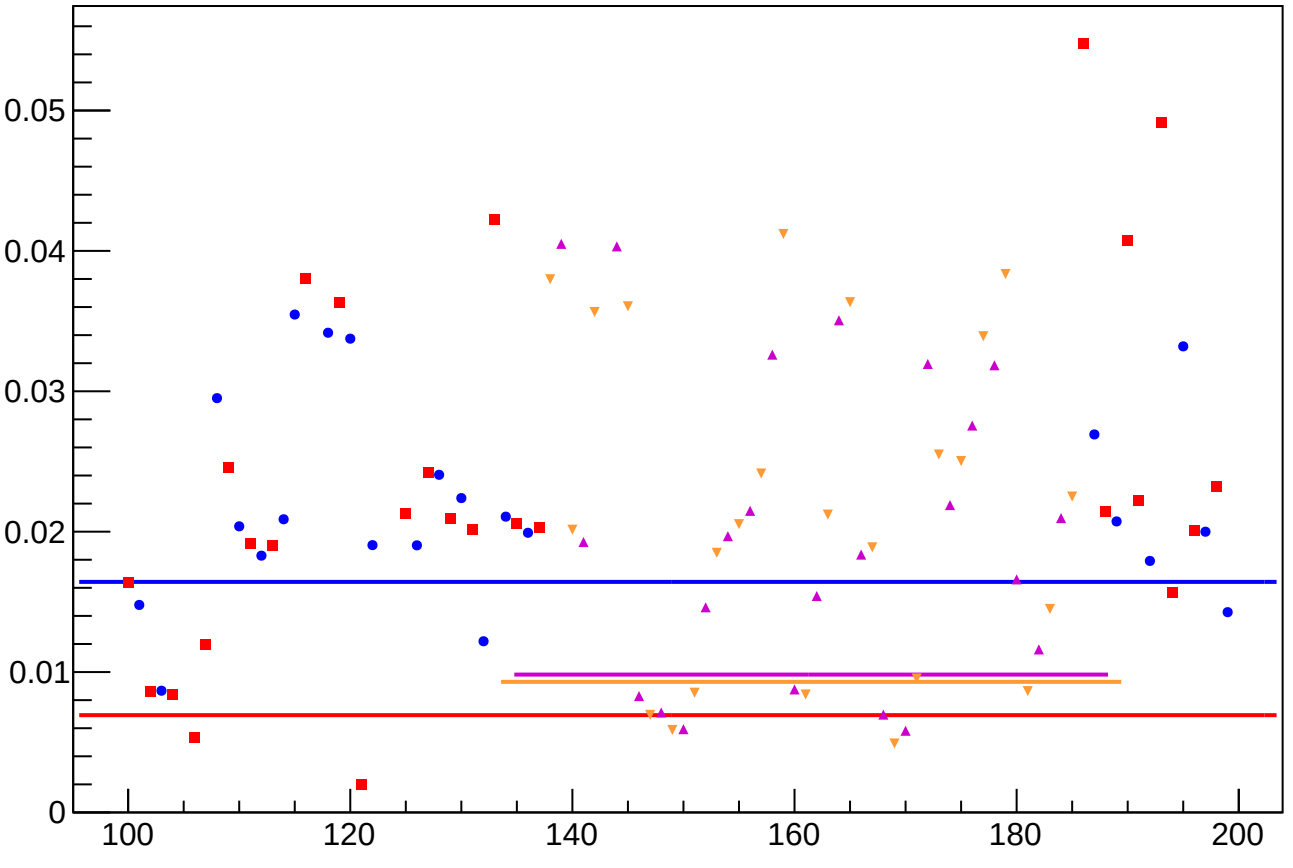
Left: -0.000+/-0.000 χ^2/NDF: 62.8/46

Right: -0.000+/-0.000 χ^2/NDF: 54.8/47

In: -0.000+/-0.000 χ^2/NDF:61.2/44

Out: -0.000+/-0.000 χ^2/NDF:55.4/49

All: -0.000+/-0.000 χ^2/NDF: 118.0/94



Right In: 0.016+/-0.000 χ^2/NDF: 2733057.6/21

Left Out: 0.009+/-0.000 χ^2/NDF:12224529.3/23

Right Out: 0.007+/-0.000 χ^2/NDF: 13369716.8/25

Left In: 0.010+/-0.000 χ^2/NDF:10307261.6/22

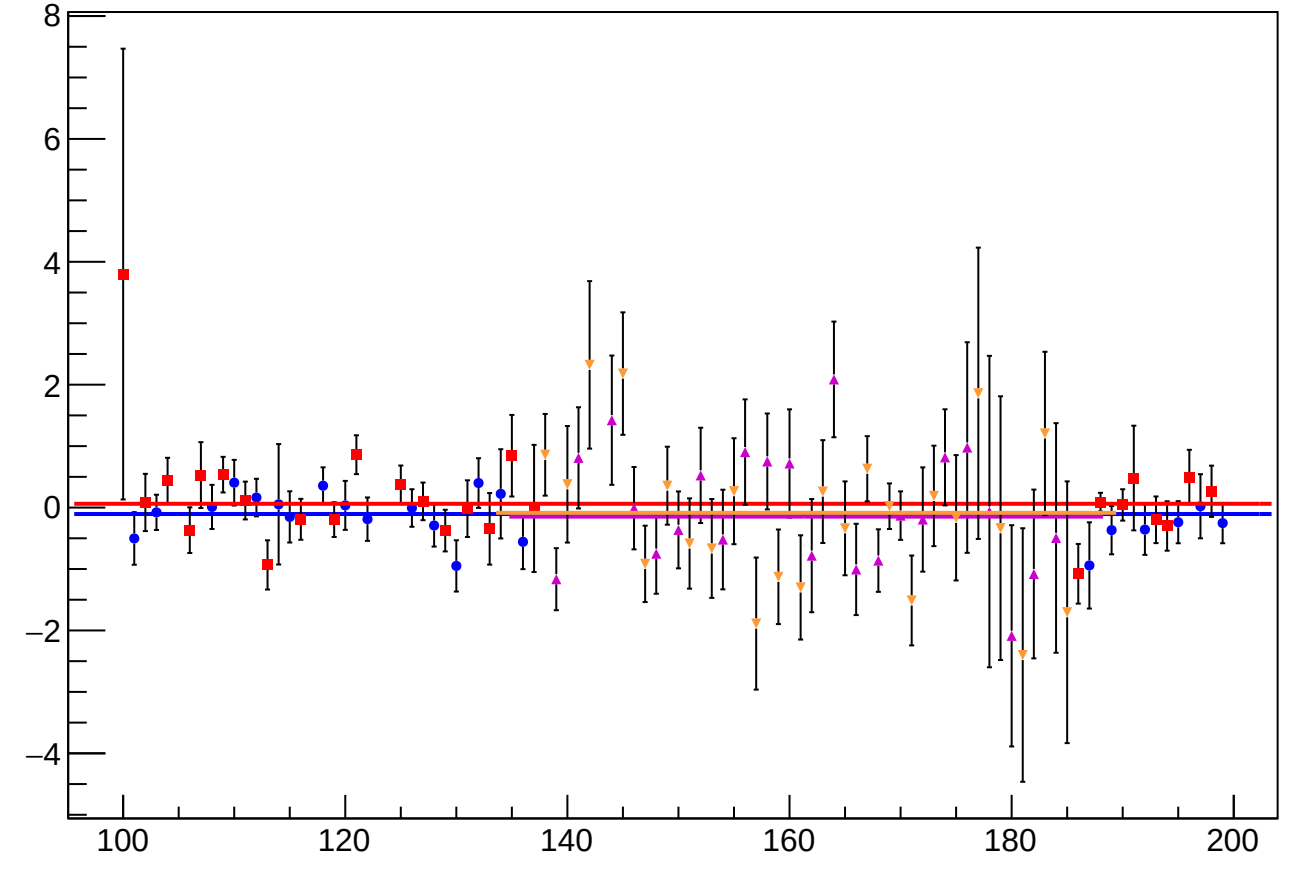
Left: 0.010+/-0.000 χ^2/NDF: 22565208.8/46

Right: 0.009+/-0.000 χ^2/NDF: 20882761.2/47

In: 0.011+/-0.000 χ^2/NDF:15411600.2/44

Out: 0.008+/-0.000 χ^2/NDF:26260783.0/49

All: 0.009+/-0.000 χ^2/NDF: 43461617.2/94



Right In: -0.105+/-0.082 χ^2/NDF: 16.2/21

Left Out: -0.085+/-0.161 χ^2/NDF:30.2/23

Right Out: 0.062+/-0.069 χ^2/NDF: 33.7/25

Left In: -0.147+/-0.158 χ^2/NDF:26.4/22

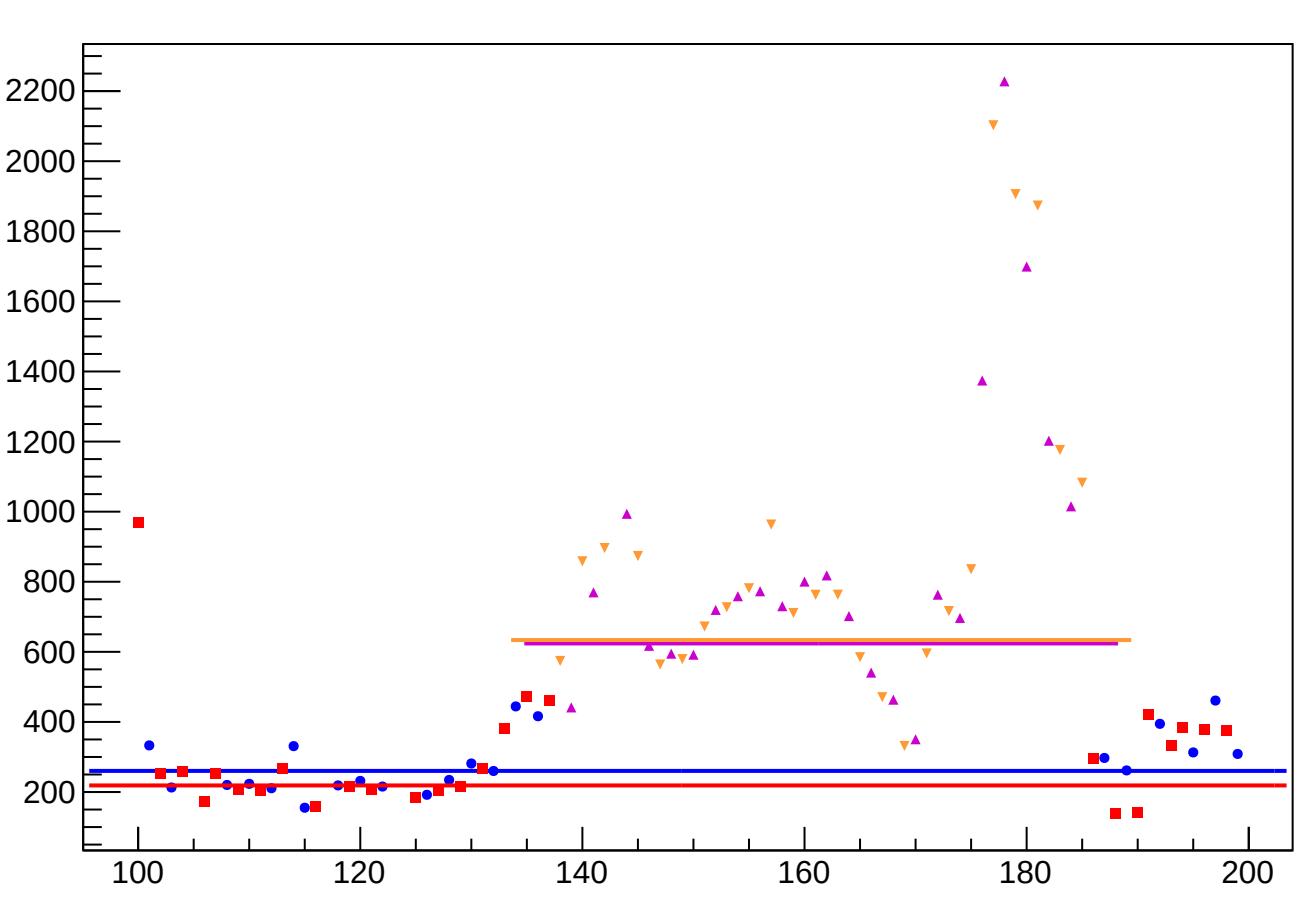
Left: -0.117+/-0.113 χ^2/NDF: 56.8/46

Right: -0.007+/-0.053 χ^2/NDF: 52.3/47

In: -0.114+/-0.073 χ^2/NDF:42.7/44

Out: 0.039+/-0.063 χ^2/NDF:64.6/49

All: -0.027+/-0.048 χ^2/NDF: 109.8/94



Right In: 260.275+/-0.058 χ^2/NDF: 1523526.8/21

Left Out: 633.678+/-0.114 χ^2/NDF:4994172.5/23

Right Out: 218.790+/-0.049 χ^2/NDF: 2834854.5/25

Left In: 623.922+/-0.112 χ^2/NDF:4541413.9/22

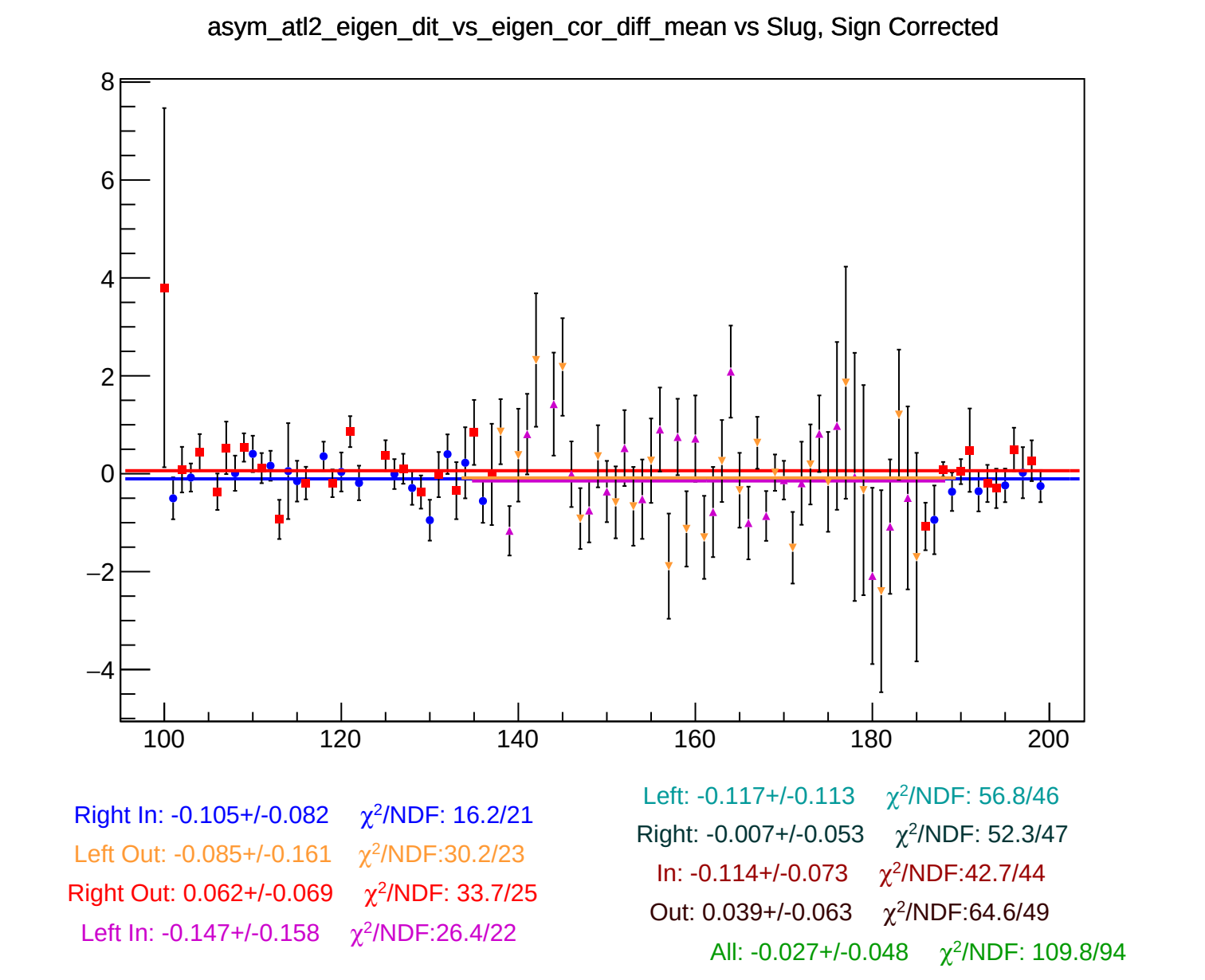
Left: 628.702+/-0.080 χ^2/NDF: 9539311.9/46

Right: 235.967+/-0.037 χ^2/NDF: 4659966.6/47

In: 336.944+/-0.051 χ^2/NDF:14403167.0/44

Out: 282.478+/-0.045 χ^2/NDF:19011387.1/49

All: 305.962+/-0.034 χ^2/NDF: 34054053.9/94


asym_atl2_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
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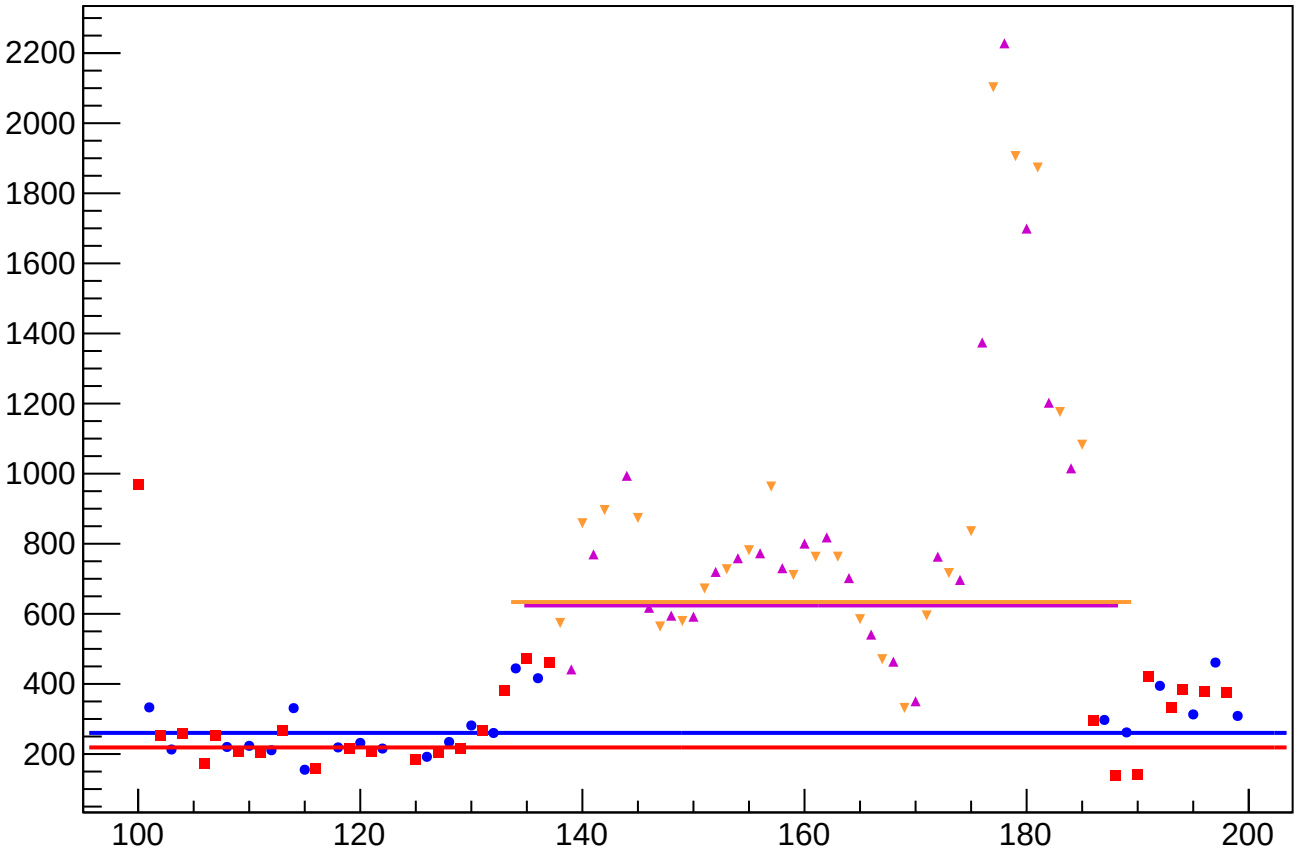
Right In: -0.105+/-0.082 χ²/NDF: 16.2/21
Left Out: -0.085+/-0.161 χ²/NDF:30.2/23
Right Out: 0.062+/-0.069 χ²/NDF: 33.7/25
Left In: -0.147+/-0.158 χ²/NDF:26.4/22
Left: -0.117+/-0.113 χ²/NDF: 56.8/46
Right: -0.007+/-0.053 χ²/NDF: 52.3/47
In: -0.114+/-0.073 χ²/NDF:42.7/44
Out: 0.039+/-0.063 χ²/NDF:64.6/49
All: -0.027+/-0.048 χ²/NDF: 109.8/94



Right In: 260.275+/-0.058 χ^2/NDF: 1523526.8/21

Left Out: 633.678+/-0.114 χ^2/NDF:4994172.5/23

Right Out: 218.790+/-0.049 χ^2/NDF: 2834854.5/25

Left In: 623.922+/-0.112 χ^2/NDF:4541413.9/22

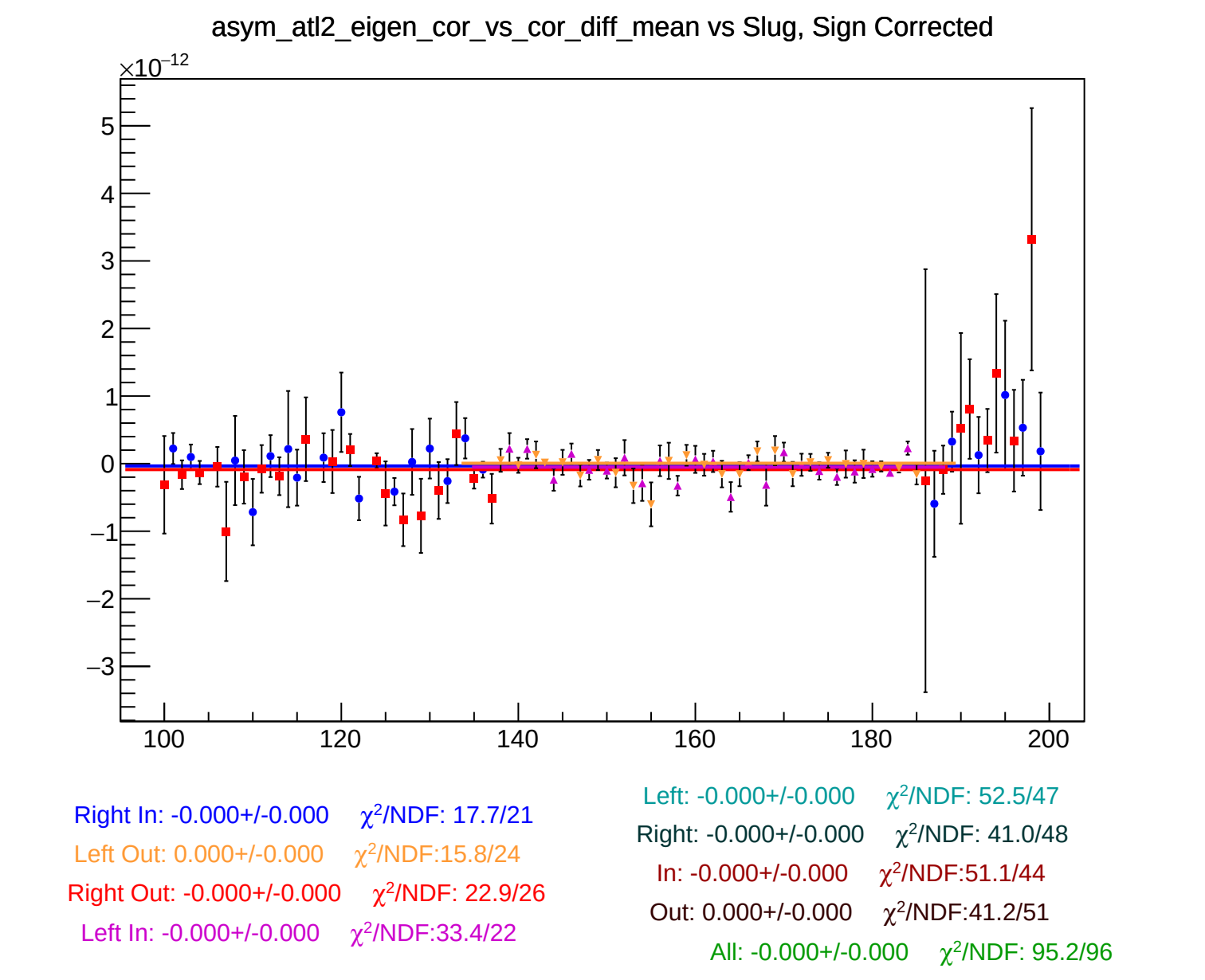
Left: 628.702+/-0.080 χ^2/NDF: 9539311.9/46

Right: 235.967+/-0.037 χ^2/NDF: 4659966.6/47

In: 336.944+/-0.051 χ^2/NDF:14403167.0/44

Out: 282.478+/-0.045 χ^2/NDF:19011387.1/49

All: 305.962+/-0.034 χ^2/NDF: 34054053.9/94


asym_atl2_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
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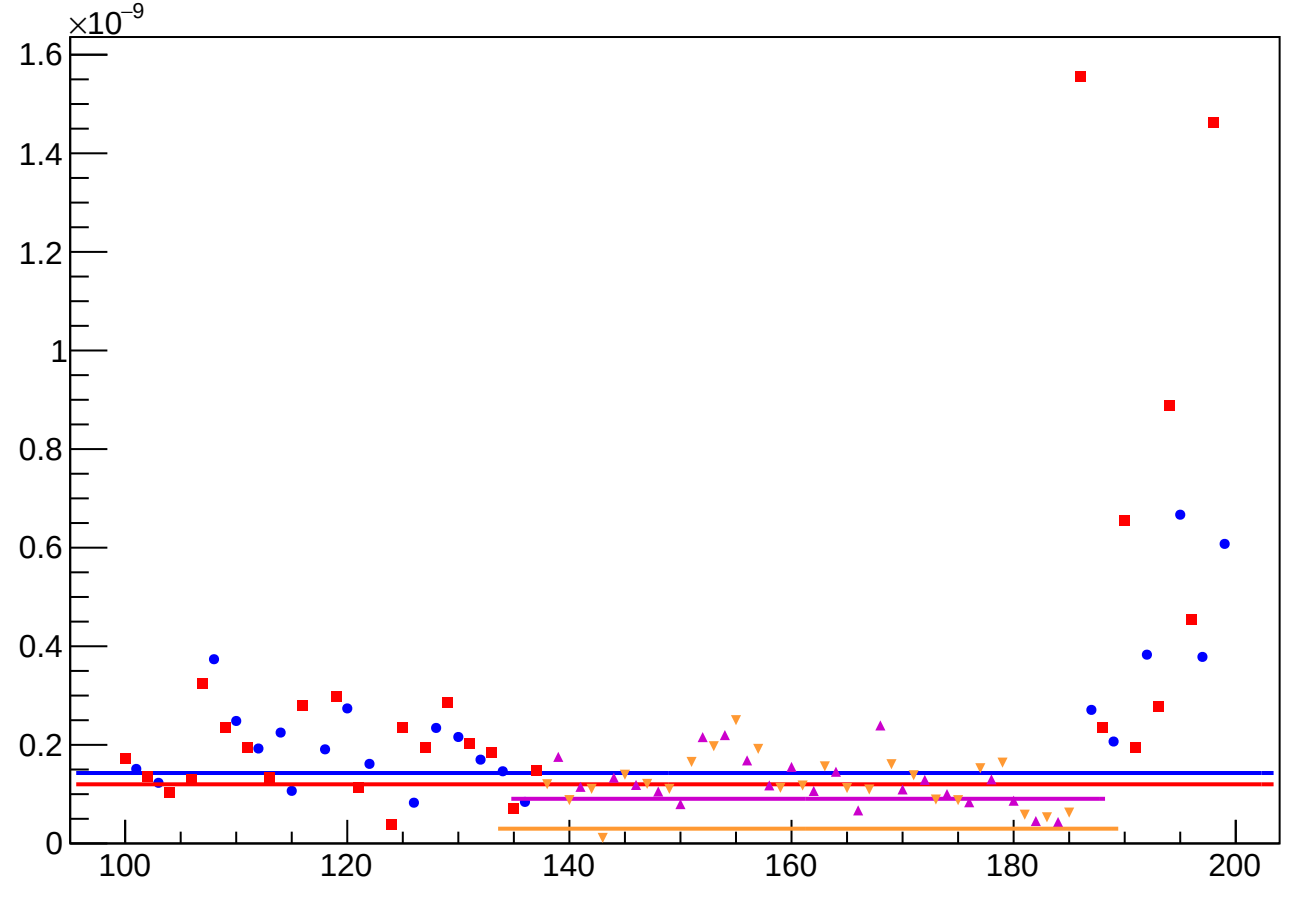
Right In: -0.000+/-0.000 χ²/NDF: 17.7/21
Left Out: 0.000+/-0.000 χ²/NDF:15.8/24
Right Out: -0.000+/-0.000 χ²/NDF: 22.9/26
Left In: -0.000+/-0.000 χ²/NDF:33.4/22
Left: -0.000+/-0.000 χ²/NDF: 52.5/47
Right: -0.000+/-0.000 χ²/NDF: 41.0/48
In: -0.000+/-0.000 χ²/NDF:51.1/44
Out: 0.000+/-0.000 χ²/NDF:41.2/51
All: -0.000+/-0.000 χ²/NDF: 95.2/96



Right In: 0.000+/-0.000 χ^2/NDF: 3107496.7/21

Left Out: 0.000+/-0.000 χ^2/NDF:17263498.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6130276.7/26

Left In: 0.000+/-0.000 χ^2/NDF:4716343.8/22

Left: 0.000+/-0.000 χ^2/NDF: 29587513.4/47

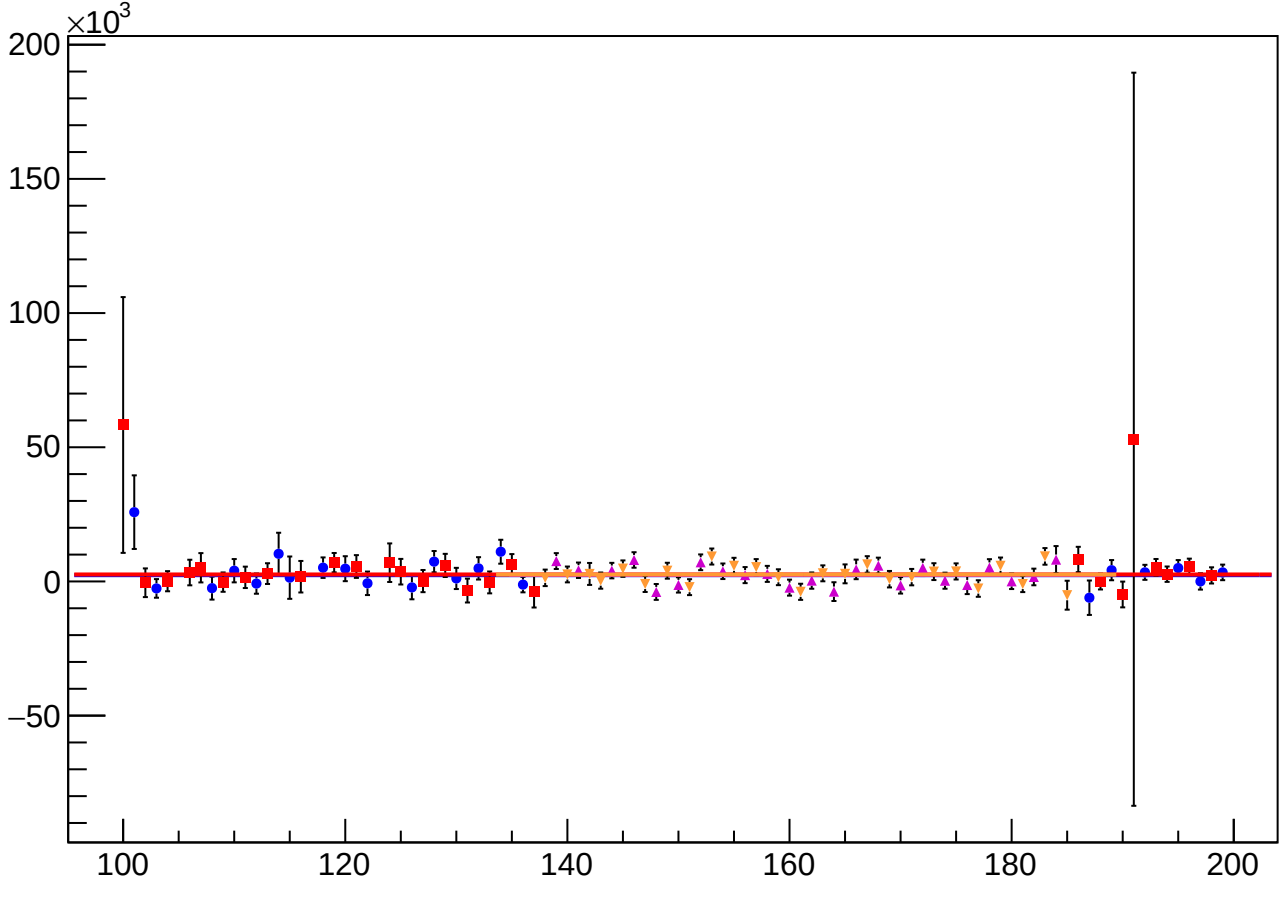
Right: 0.000+/-0.000 χ^2/NDF: 9376541.5/48

In: 0.000+/-0.000 χ^2/NDF:8904971.5/44

Out: 0.000+/-0.000 χ^2/NDF:28067432.2/51

All: 0.000+/-0.000 χ^2/NDF: 46734812.9/96

reg_asym_atr1_mean vs Slug, Sign Corrected



Right In: 2327.950+/-834.541 χ^2/NDF: 21.5/21

Left Out: 2556.827+/-621.829 χ^2/NDF:31.6/24

Right Out: 2597.917+/-796.574 χ^2/NDF: 17.1/26

Left In: 2408.320+/-639.726 χ^2/NDF:31.4/22

Left: 2484.680+/-445.893 χ^2/NDF: 63.0/47

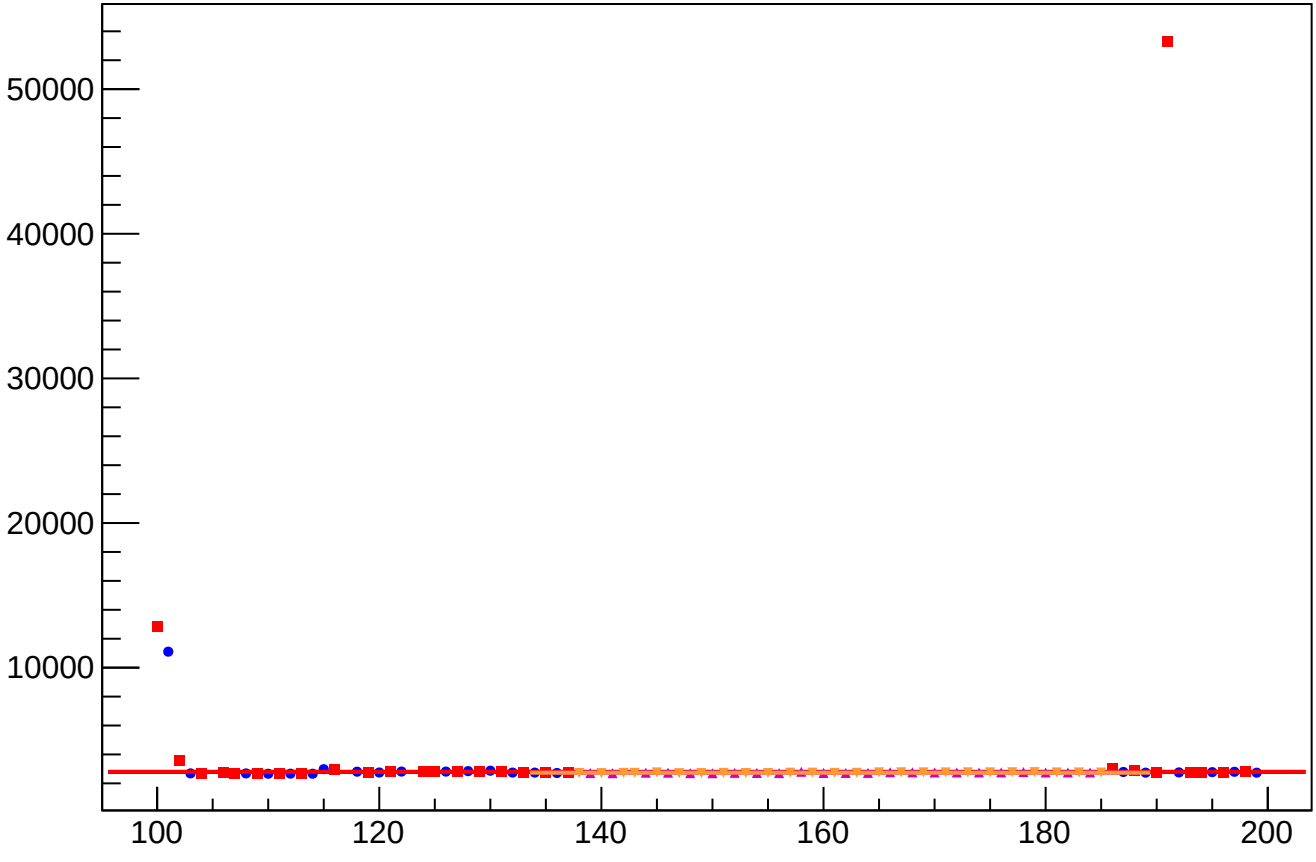
Right: 2469.214+/-576.217 χ^2/NDF: 38.7/48

In: 2378.573+/-507.717 χ^2/NDF:52.8/44

Out: 2572.386+/-490.164 χ^2/NDF:48.7/51

All: 2478.887+/-352.640 χ^2/NDF: 101.6/96

reg_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2789.397+/-0.590 χ^2/NDF: 747983.1/21

Left Out: 2737.519+/-0.440 χ^2/NDF:2317.5/24

Right Out: 2798.042+/-0.563 χ^2/NDF: 478602.4/26

Left In: 2739.863+/-0.452 χ^2/NDF:3362.0/22

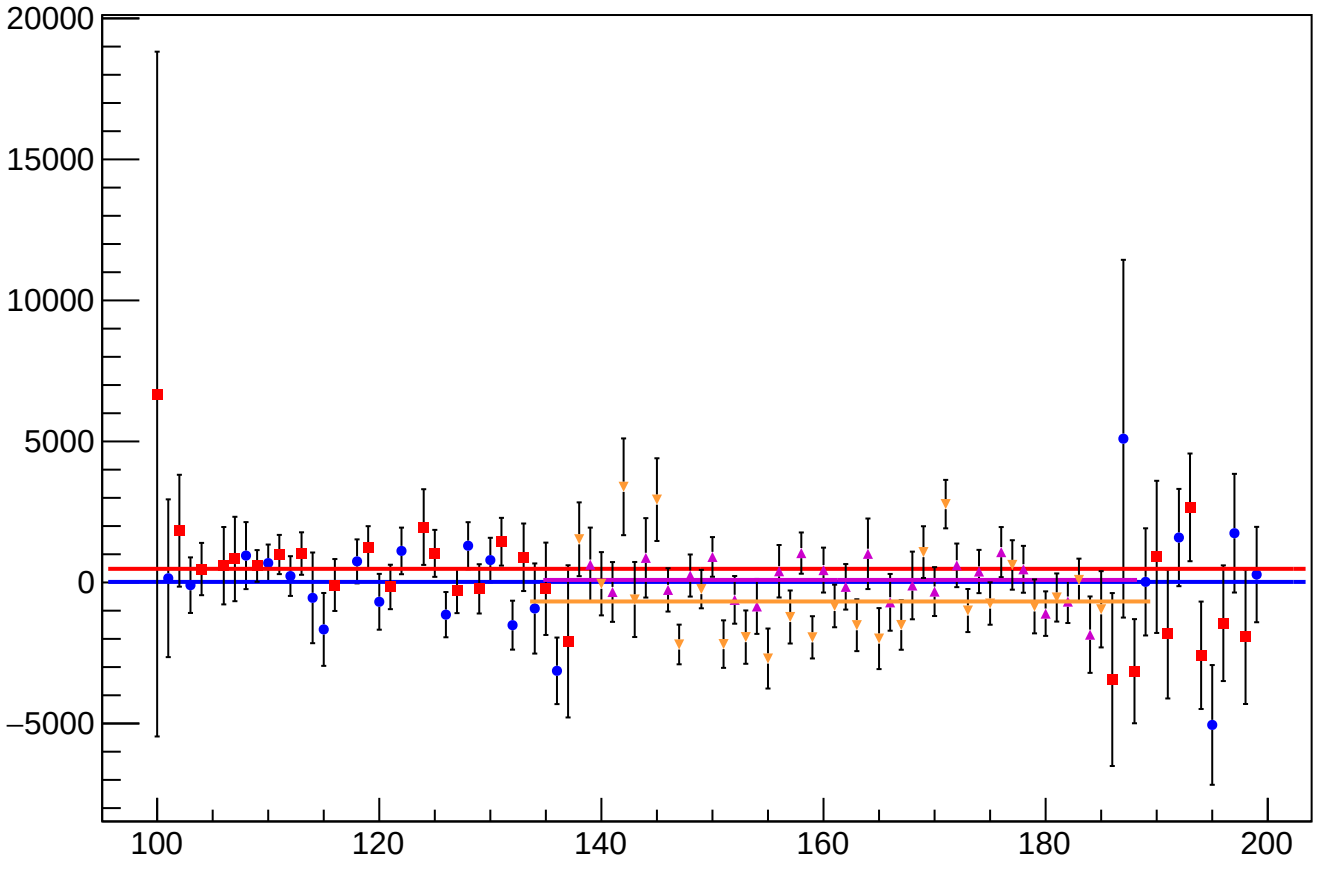
Left: 2738.658+/-0.315 χ^2/NDF: 5693.3/47

Right: 2793.921+/-0.407 χ^2/NDF: 1226697.9/48

In: 2758.197+/-0.359 χ^2/NDF:755783.3/44

Out: 2760.436+/-0.347 χ^2/NDF:488094.1/51

All: 2759.356+/-0.249 χ^2/NDF: 1243897.5/96



Right In: 19.634+/-224.849 χ^2/NDF: 30.6/21

Left Out: -673.693+/-181.230 χ^2/NDF:58.4/24

Right Out: 483.416+/-207.900 χ^2/NDF: 22.0/26

Left In: 89.519+/-183.491 χ^2/NDF:14.8/22

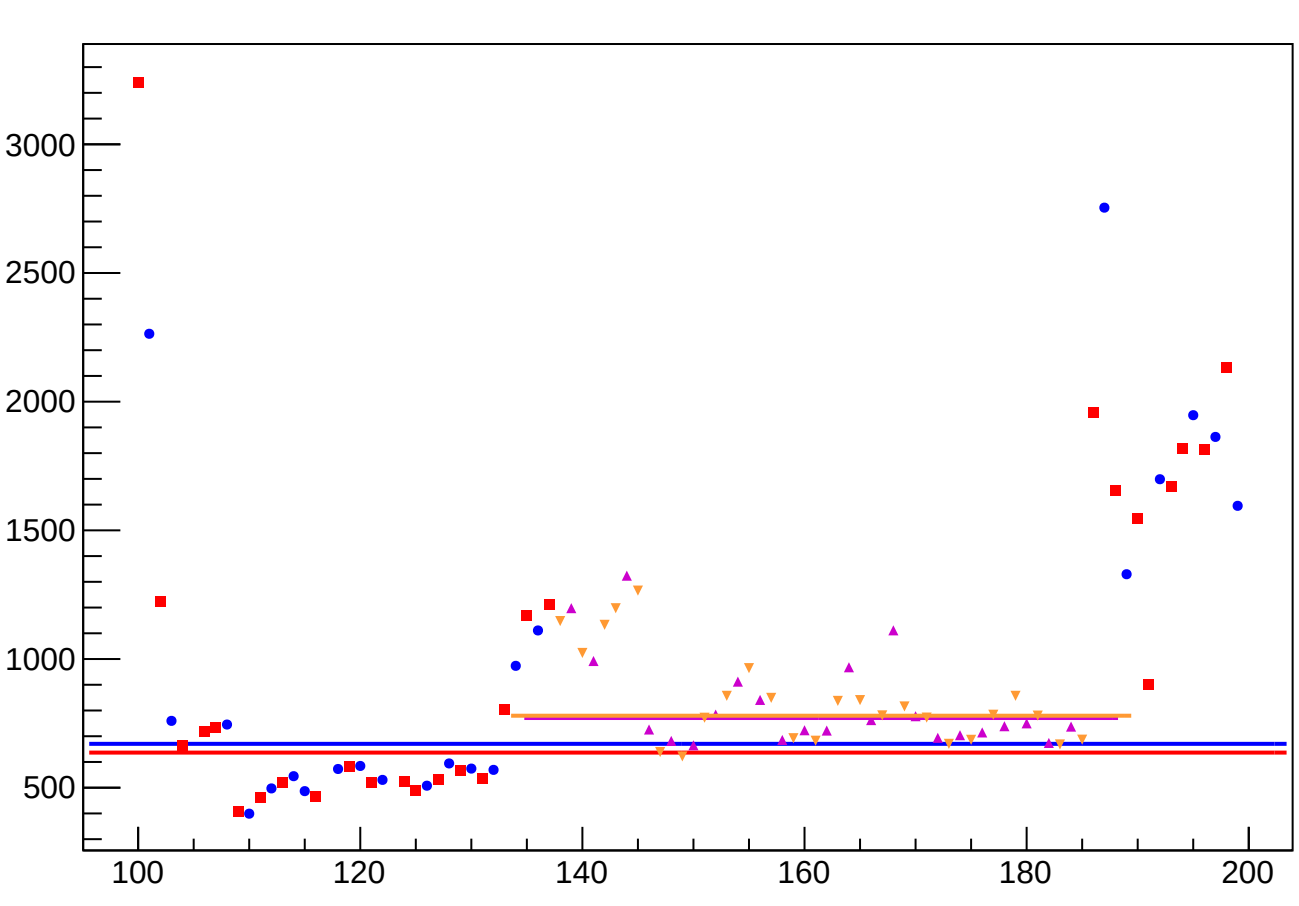
Left: -296.818+/-128.941 χ^2/NDF: 81.9/47

Right: 269.662+/-152.648 χ^2/NDF: 55.0/48

In: 61.583+/-142.162 χ^2/NDF:45.5/44

Out: -174.071+/-136.612 χ^2/NDF:98.0/51

All: -60.934+/-98.503 χ^2/NDF: 144.9/96



Right In: 670.442+/-0.159 χ^2/NDF: 4931481.9/21

Left Out: 779.715+/-0.128 χ^2/NDF:1243743.5/24

Right Out: 636.418+/-0.147 χ^2/NDF: 5446994.1/26

Left In: 770.795+/-0.130 χ^2/NDF:1076354.9/22

Left: 775.310+/-0.091 χ^2/NDF: 2322491.0/47

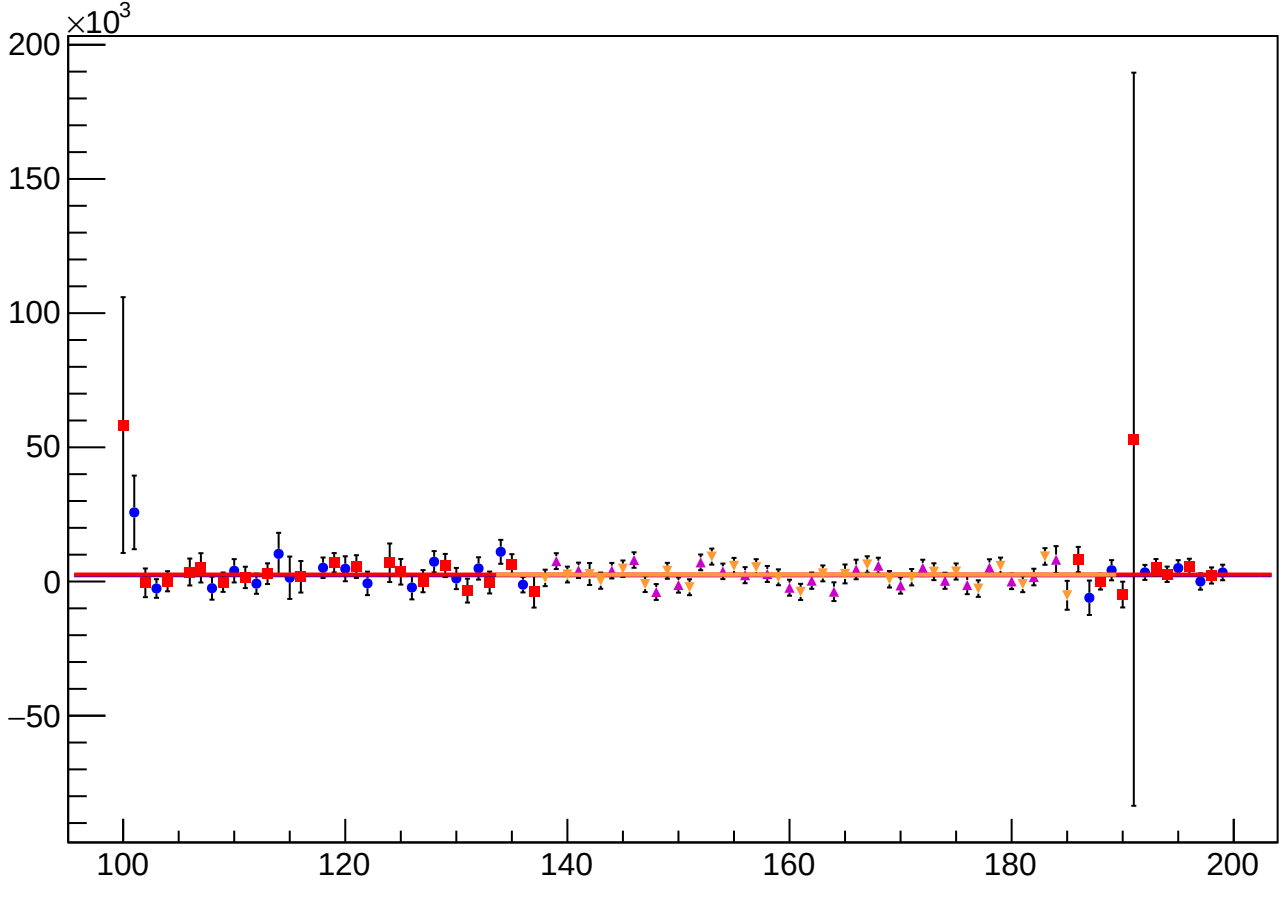
Right: 652.100+/-0.108 χ^2/NDF: 10403164.9/48

In: 730.679+/-0.101 χ^2/NDF:6246970.4/44

Out: 717.841+/-0.097 χ^2/NDF:7230632.5/51

All: 724.005+/-0.070 χ^2/NDF: 13486082.4/96

cor_asym_atr1_mean vs Slug, Sign Corrected



Right In: 2327.549+/-834.541 χ^2/NDF: 21.5/21

Left Out: 2556.787+/-621.829 χ^2/NDF:31.6/24

Right Out: 2601.919+/-797.658 χ^2/NDF: 17.1/26

Left In: 2408.461+/-639.726 χ^2/NDF:31.4/22

Left: 2484.728+/-445.893 χ^2/NDF: 63.0/47

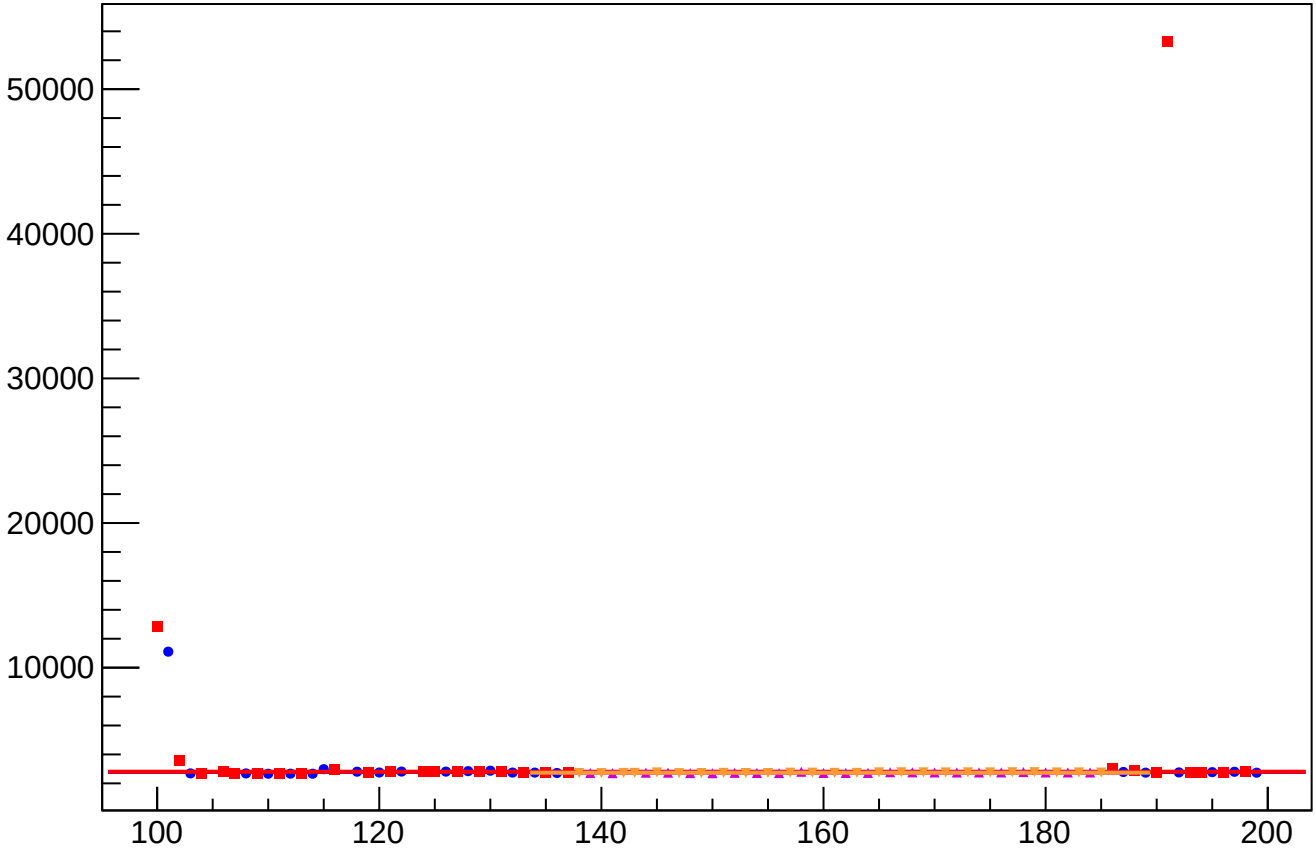
Right: 2470.931+/-576.627 χ^2/NDF: 38.7/48

In: 2378.514+/-507.717 χ^2/NDF:52.8/44

Out: 2573.847+/-490.416 χ^2/NDF:48.7/51

All: 2479.565+/-352.734 χ^2/NDF: 101.6/96

cor_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2789.397+/-0.590 χ^2/NDF: 747982.3/21

Left Out: 2737.519+/-0.440 χ^2/NDF:2317.5/24

Right Out: 2801.220+/-0.564 χ^2/NDF: 478186.0/26

Left In: 2739.863+/-0.452 χ^2/NDF:3362.0/22

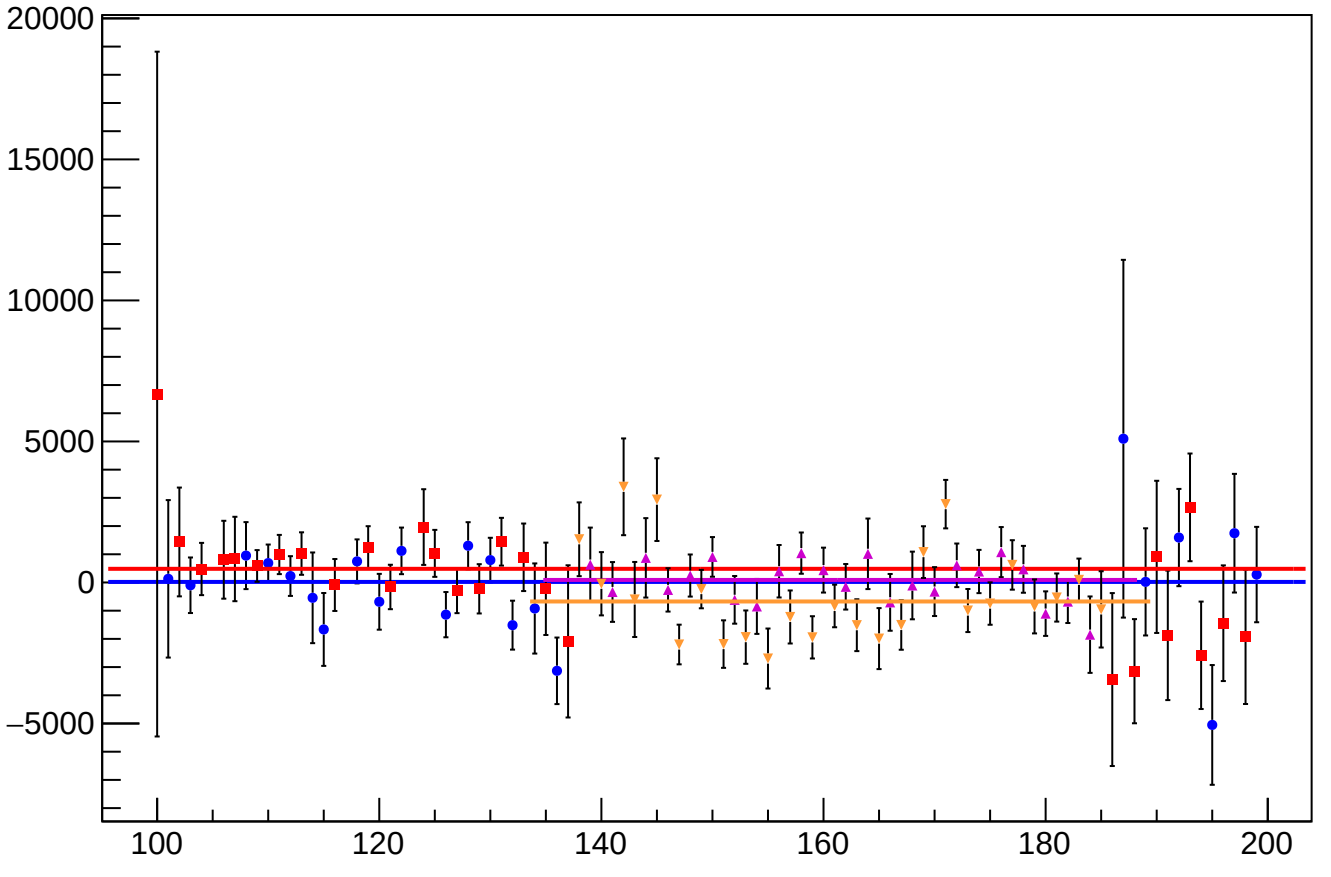
Left: 2738.658+/-0.315 χ^2/NDF: 5693.3/47

Right: 2795.576+/-0.408 χ^2/NDF: 1226378.1/48

In: 2758.197+/-0.359 χ^2/NDF:755782.4/44

Out: 2761.598+/-0.347 χ^2/NDF:488437.4/51

All: 2759.956+/-0.249 χ^2/NDF: 1244266.2/96



Right In: 19.602+/-224.839 χ^2/NDF: 30.6/21

Left Out: -673.608+/-181.230 χ^2/NDF:58.4/24

Right Out: 484.255+/-207.865 χ^2/NDF: 21.9/26

Left In: 89.643+/-183.492 χ^2/NDF:14.8/22

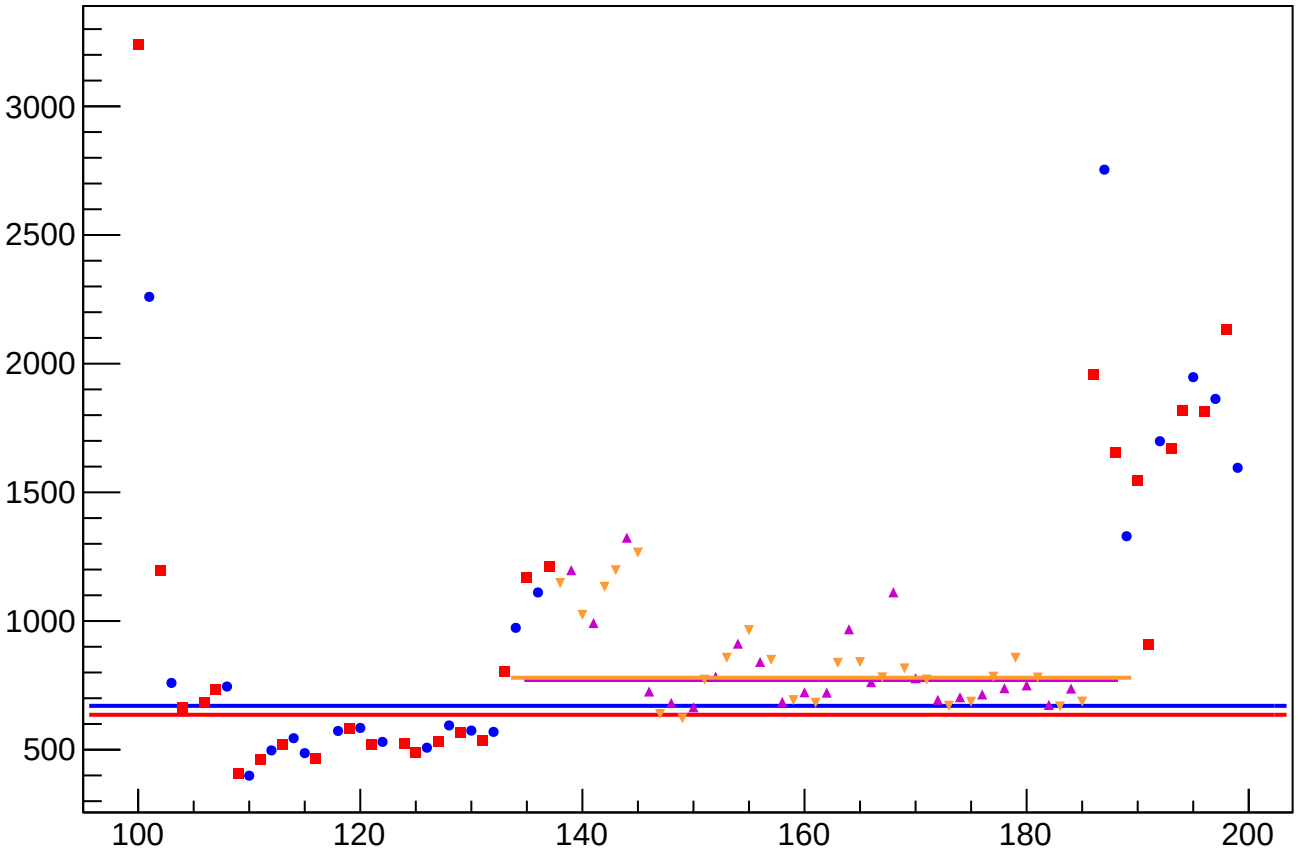
Left: -296.716+/-128.941 χ^2/NDF: 81.9/47

Right: 270.127+/-152.631 χ^2/NDF: 54.8/48

In: 61.643+/-142.160 χ^2/NDF:45.5/44

Out: -173.566+/-136.602 χ^2/NDF:97.9/51

All: -60.649+/-98.498 χ^2/NDF: 144.8/96



Right In: 670.433+/-0.159 χ^2/NDF: 4930539.7/21

Left Out: 779.713+/-0.128 χ^2/NDF:1243769.6/24

Right Out: 635.733+/-0.147 χ^2/NDF: 5438405.1/26

Left In: 770.799+/-0.130 χ^2/NDF:1076291.1/22

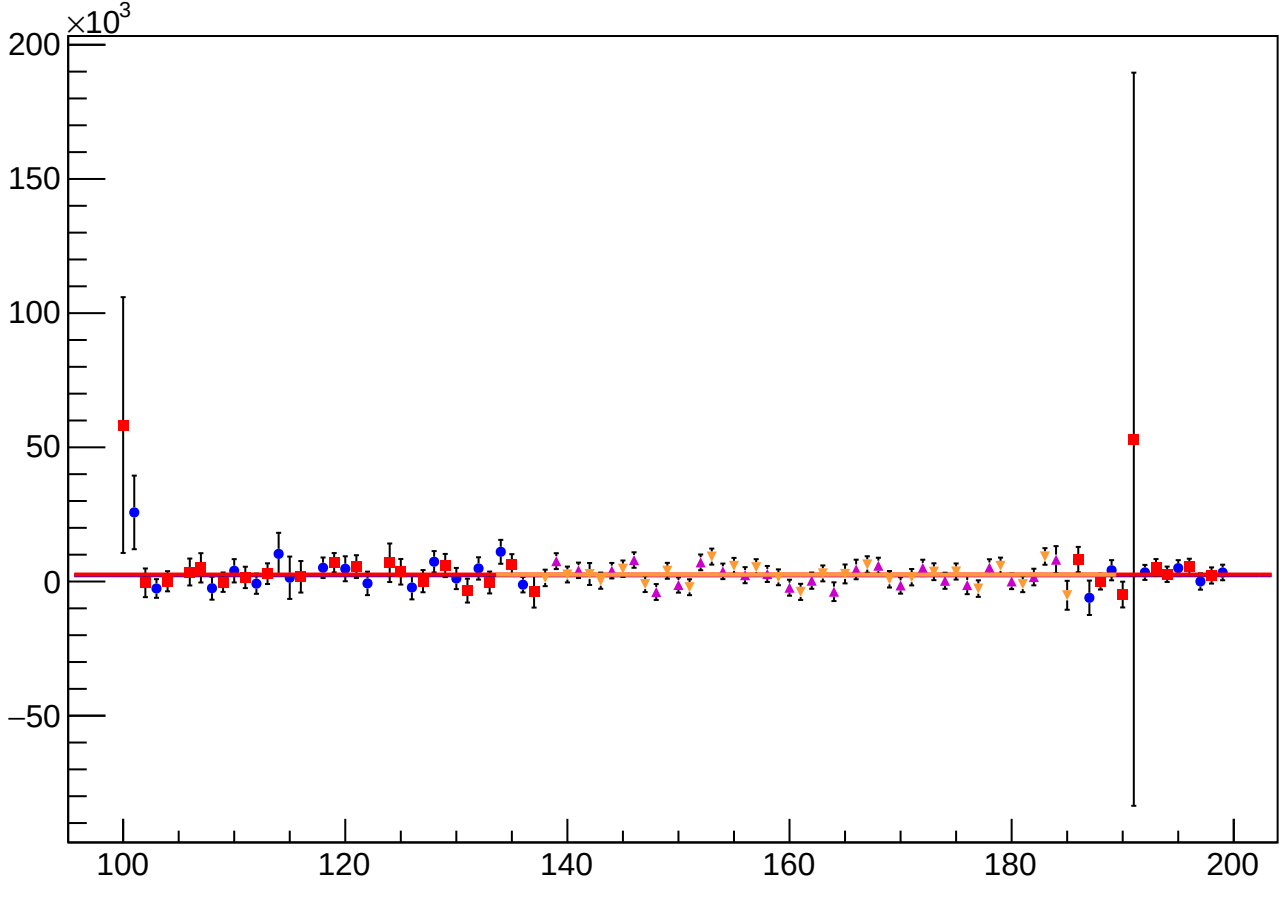
Left: 775.311+/-0.091 χ^2/NDF: 2322450.1/47

Right: 651.724+/-0.108 χ^2/NDF: 10394629.4/48

In: 730.676+/-0.101 χ^2/NDF:6246039.0/44

Out: 717.533+/-0.097 χ^2/NDF:7227332.8/51

All: 723.842+/-0.070 χ^2/NDF: 13482259.5/96



Right In: 2327.549+/-834.541 χ^2/NDF: 21.5/21

Left Out: 2556.787+/-621.829 χ^2/NDF:31.6/24

Right Out: 2601.919+/-797.658 χ^2/NDF: 17.1/26

Left In: 2408.461+/-639.726 χ^2/NDF:31.4/22

Left: 2484.728+/-445.893 χ^2/NDF: 63.0/47

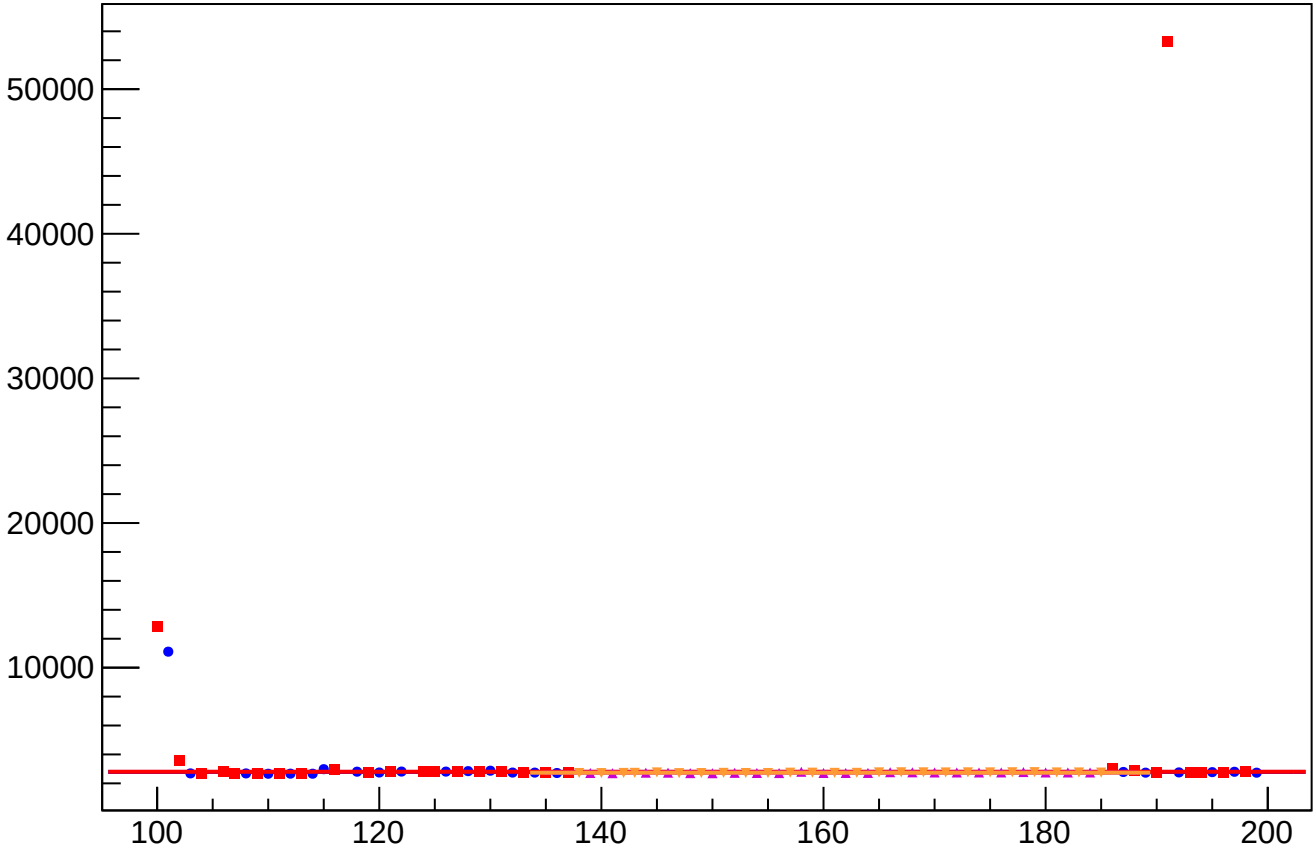
Right: 2470.931+/-576.627 χ^2/NDF: 38.7/48

In: 2378.514+/-507.717 χ^2/NDF:52.8/44

Out: 2573.847+/-490.416 χ^2/NDF:48.7/51

All: 2479.565+/-352.734 χ^2/NDF: 101.6/96

eigen_cor_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2789.397+/-0.590 χ^2/NDF: 747982.3/21

Left Out: 2737.519+/-0.440 χ^2/NDF:2317.5/24

Right Out: 2801.220+/-0.564 χ^2/NDF: 478186.0/26

Left In: 2739.863+/-0.452 χ^2/NDF:3362.0/22

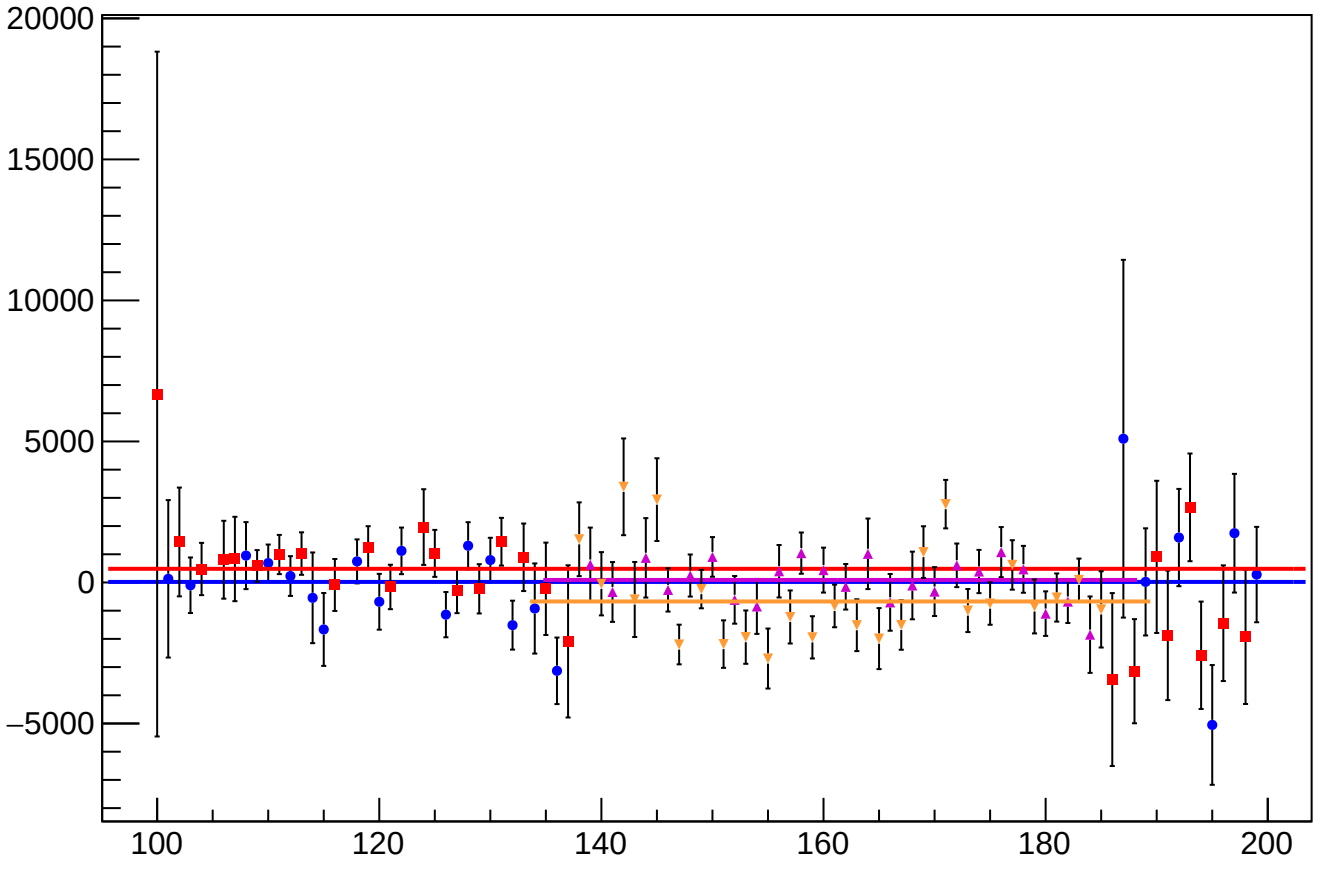
Left: 2738.658+/-0.315 χ^2/NDF: 5693.3/47

Right: 2795.576+/-0.408 χ^2/NDF: 1226378.1/48

In: 2758.197+/-0.359 χ^2/NDF:755782.4/44

Out: 2761.598+/-0.347 χ^2/NDF:488437.4/51

All: 2759.956+/-0.249 χ^2/NDF: 1244266.2/96



Right In: 19.602+/-224.839 χ^2/NDF: 30.6/21

Left Out: -673.608+/-181.230 χ^2/NDF:58.4/24

Right Out: 484.255+/-207.865 χ^2/NDF: 21.9/26

Left In: 89.643+/-183.492 χ^2/NDF:14.8/22

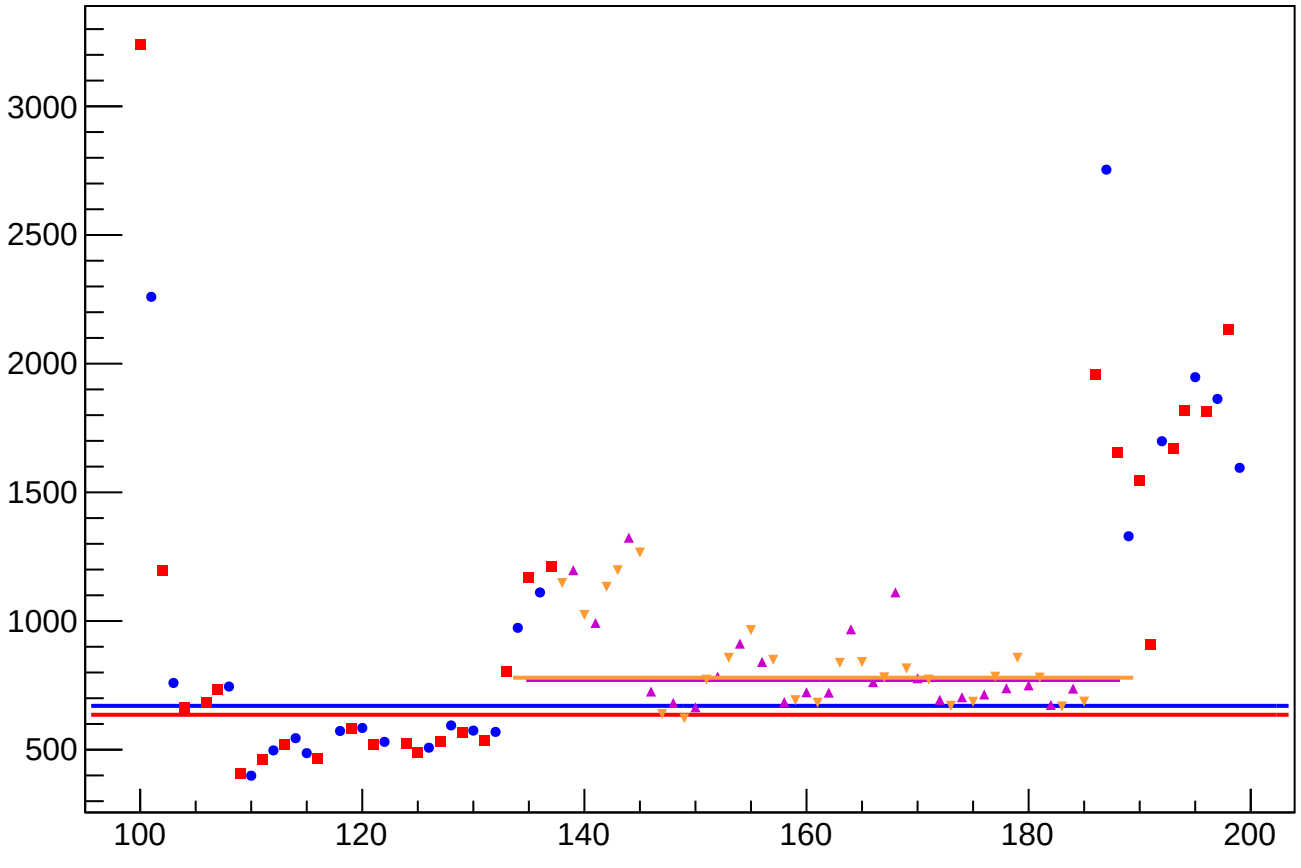
Left: -296.716+/-128.941 χ^2/NDF: 81.9/47

Right: 270.127+/-152.631 χ^2/NDF: 54.8/48

In: 61.643+/-142.160 χ^2/NDF:45.5/44

Out: -173.566+/-136.602 χ^2/NDF:97.9/51

All: -60.649+/-98.498 χ^2/NDF: 144.8/96



Right In: 670.433+/-0.159 χ^2/NDF: 4930539.7/21

Left Out: 779.713+/-0.128 χ^2/NDF:1243769.6/24

Right Out: 635.733+/-0.147 χ^2/NDF: 5438405.1/26

Left In: 770.799+/-0.130 χ^2/NDF:1076291.1/22

Left: 775.311+/-0.091 χ^2/NDF: 2322450.1/47

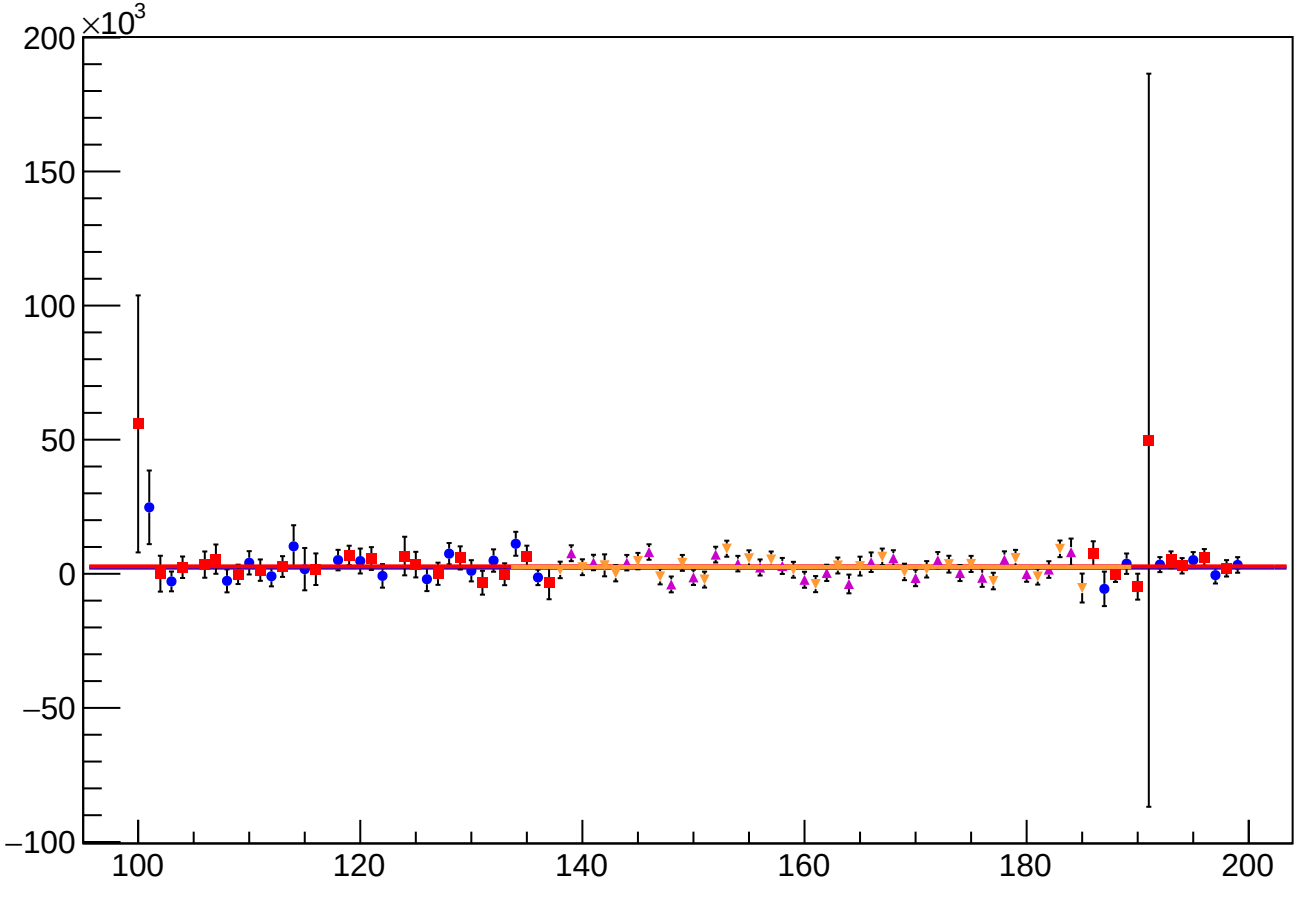
Right: 651.724+/-0.108 χ^2/NDF: 10394629.4/48

In: 730.676+/-0.101 χ^2/NDF:6246039.0/44

Out: 717.533+/-0.097 χ^2/NDF:7227332.8/51

All: 723.842+/-0.070 χ^2/NDF: 13482259.5/96

dit_asym_atr1_mean vs Slug, Sign Corrected



Right In: 2303.254+/-840.375 χ^2/NDF: 21.6/21

Left Out: 2545.043+/-622.236 χ^2/NDF:31.9/24

Right Out: 2772.755+/-805.111 χ^2/NDF: 16.2/26

Left In: 2406.858+/-640.084 χ^2/NDF:31.8/22

Left: 2477.904+/-446.164 χ^2/NDF: 63.7/47

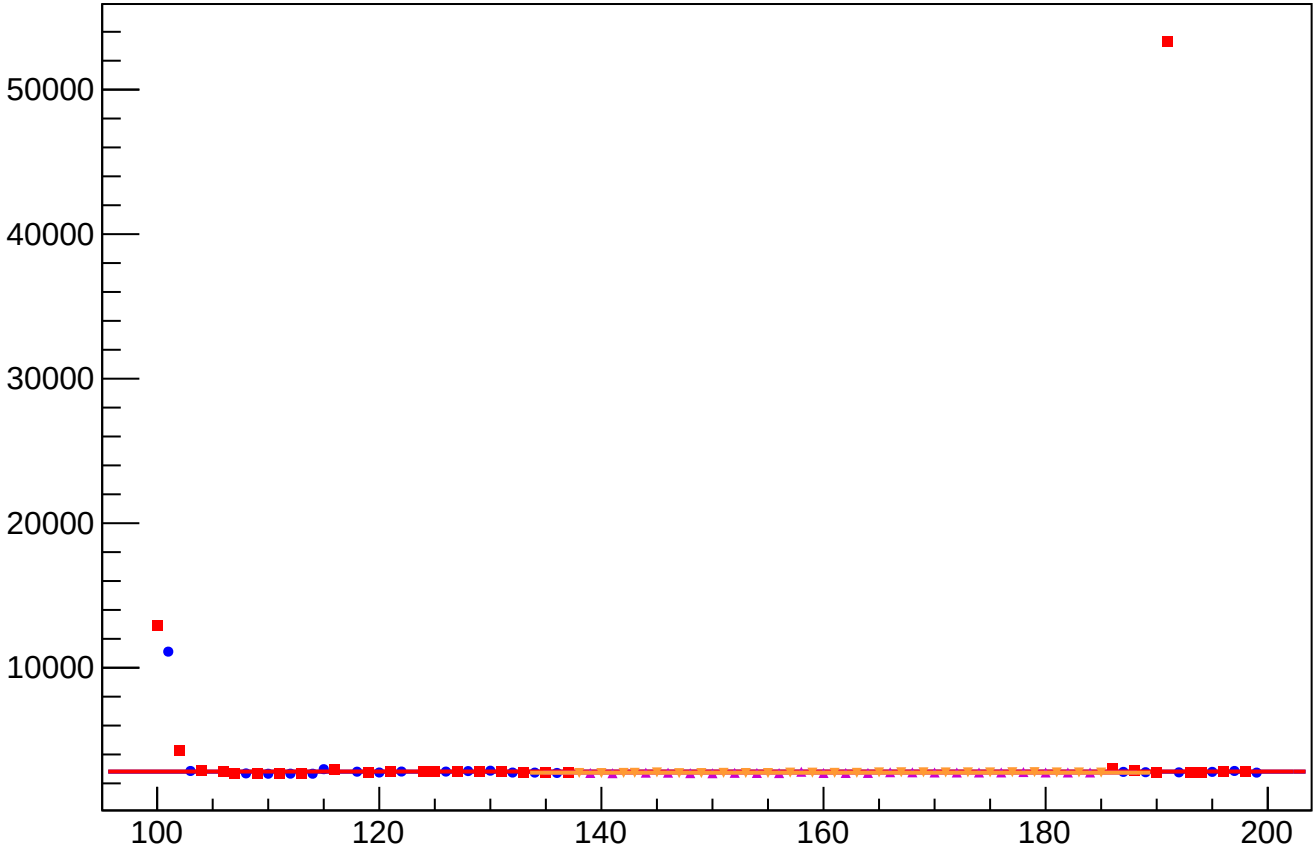
Right: 2548.062+/-581.366 χ^2/NDF: 38.0/48

In: 2368.820+/-509.202 χ^2/NDF:53.4/44

Out: 2630.196+/-492.335 χ^2/NDF:48.2/51

All: 2503.909+/-353.946 χ^2/NDF: 101.7/96

dit_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2808.751+/-0.594 χ^2/NDF: 746581.3/21

Left Out: 2739.304+/-0.440 χ^2/NDF:2322.3/24

Right Out: 2819.885+/-0.569 χ^2/NDF: 531329.5/26

Left In: 2741.391+/-0.453 χ^2/NDF:3369.6/22

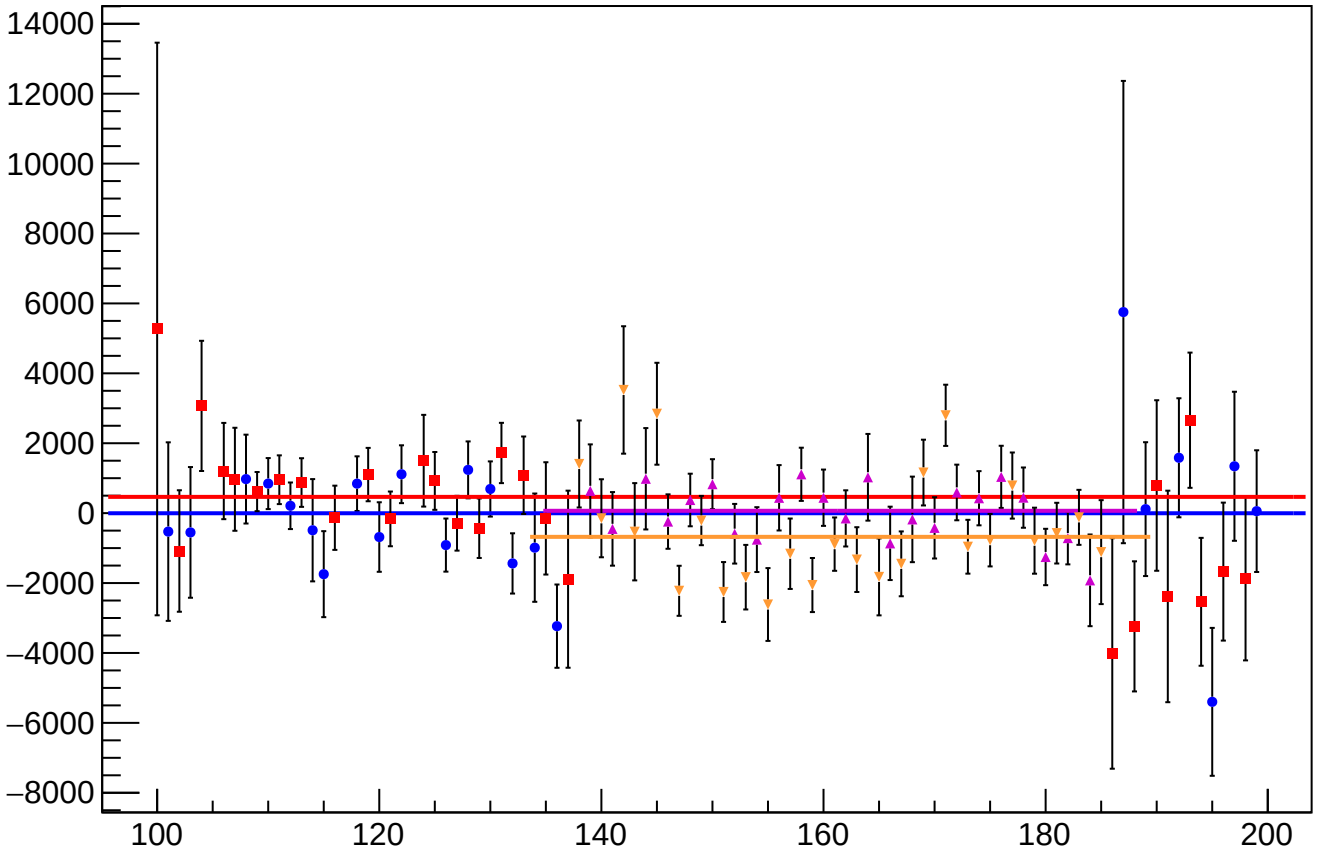
Left: 2740.318+/-0.315 χ^2/NDF: 5702.8/47

Right: 2814.557+/-0.411 χ^2/NDF: 1278093.9/48

In: 2766.121+/-0.360 χ^2/NDF:758082.8/44

Out: 2769.437+/-0.348 χ^2/NDF:546194.9/51

All: 2767.835+/-0.250 χ^2/NDF: 1304321.6/96



Right In: -3.034+/-228.521 χ^2/NDF: 31.3/21

Left Out: -678.226+/-185.004 χ^2/NDF:56.2/24

Right Out: 465.280+/-209.059 χ^2/NDF: 25.4/26

Left In: 67.156+/-185.436 χ^2/NDF:15.8/22

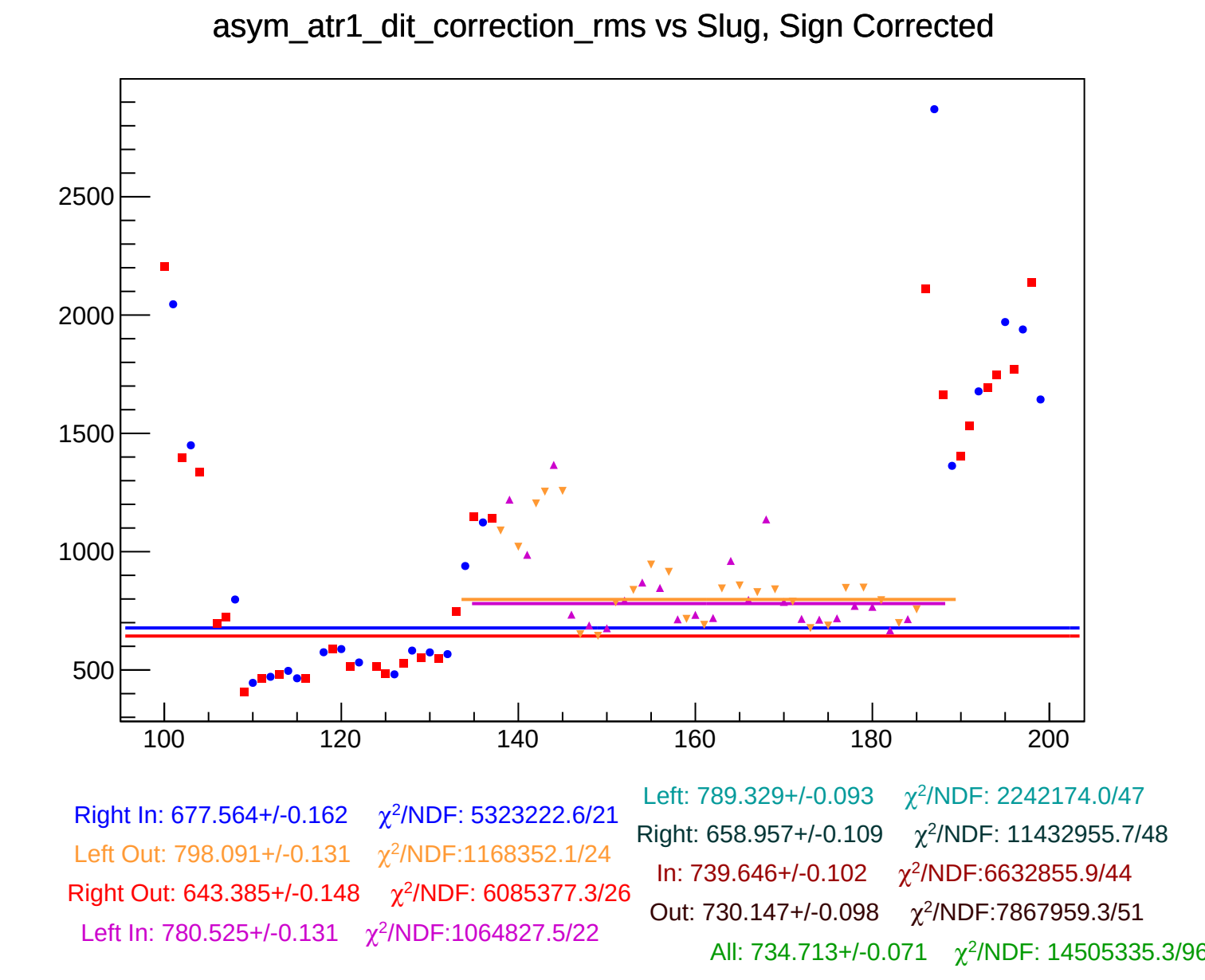
Left: -306.403+/-130.970 χ^2/NDF: 80.1/47

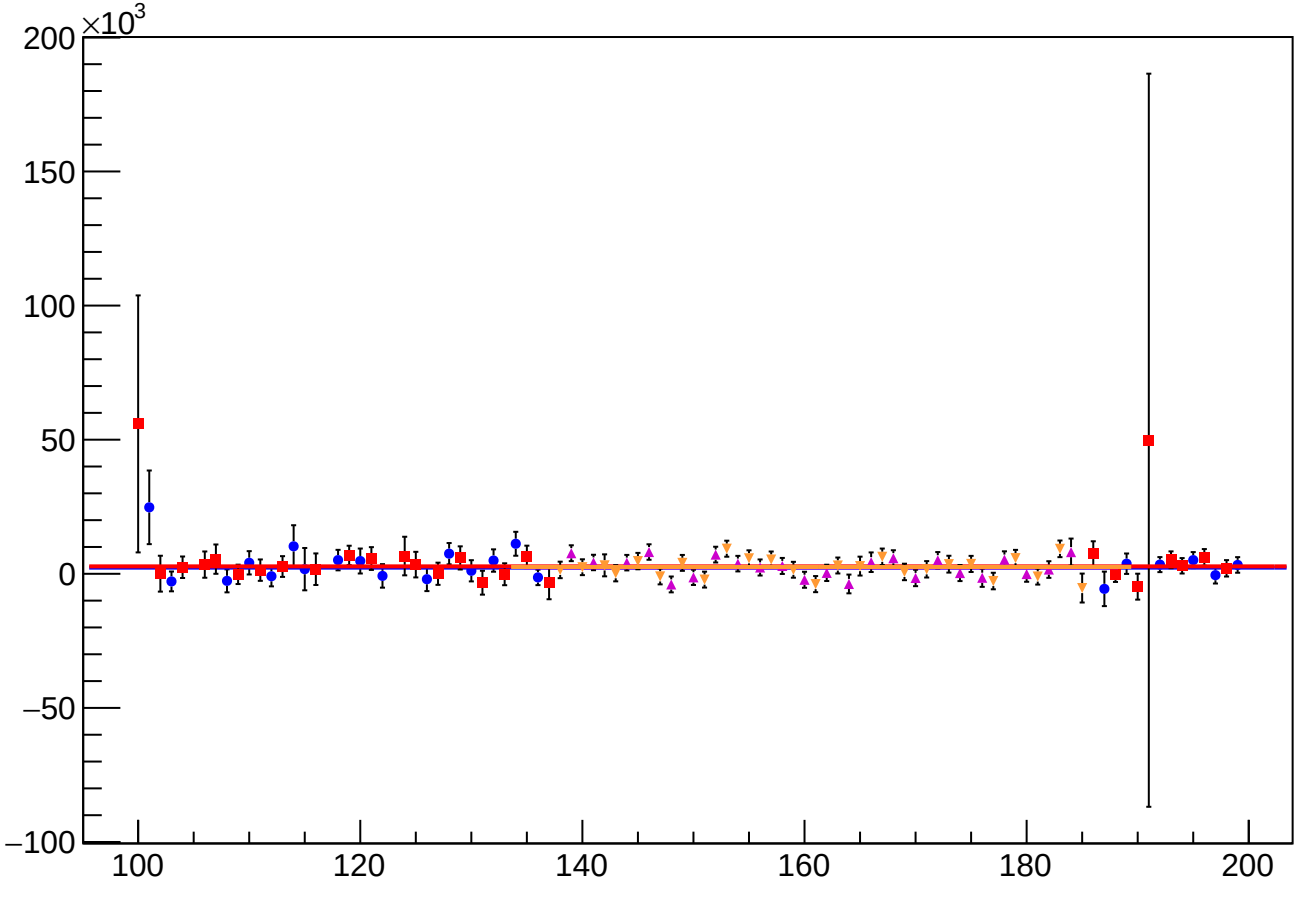
Right: 251.911+/-154.249 χ^2/NDF: 59.1/48

In: 39.289+/-143.993 χ^2/NDF:47.2/44

Out: -176.016+/-138.545 χ^2/NDF:98.4/51

All: -72.513+/-99.837 χ^2/NDF: 146.8/96


asym_atr1_dit_correction_rms vs Slug, Sign Corrected
2500
2000
1500
1000
500
100
120
140
160
180
200
Right In: 677.564+/-0.162 χ²/NDF: 5323222.6/21
Left Out: 798.091+/-0.131 χ²/NDF:1168352.1/24
Right Out: 643.385+/-0.148 χ²/NDF: 6085377.3/26
Left In: 780.525+/-0.131 χ²/NDF:1064827.5/22
Left: 789.329+/-0.093 χ²/NDF: 2242174.0/47
Right: 658.957+/-0.109 χ²/NDF: 11432955.7/48
In: 739.646+/-0.102 χ²/NDF:6632855.9/44
Out: 730.147+/-0.098 χ²/NDF:7867959.3/51
All: 734.713+/-0.071 χ²/NDF: 14505335.3/96



Right In: 2303.254+/-840.375 χ^2/NDF: 21.6/21

Left Out: 2545.044+/-622.236 χ^2/NDF:31.9/24

Right Out: 2772.752+/-805.111 χ^2/NDF: 16.2/26

Left In: 2406.858+/-640.084 χ^2/NDF:31.8/22

Left: 2477.904+/-446.164 χ^2/NDF: 63.7/47

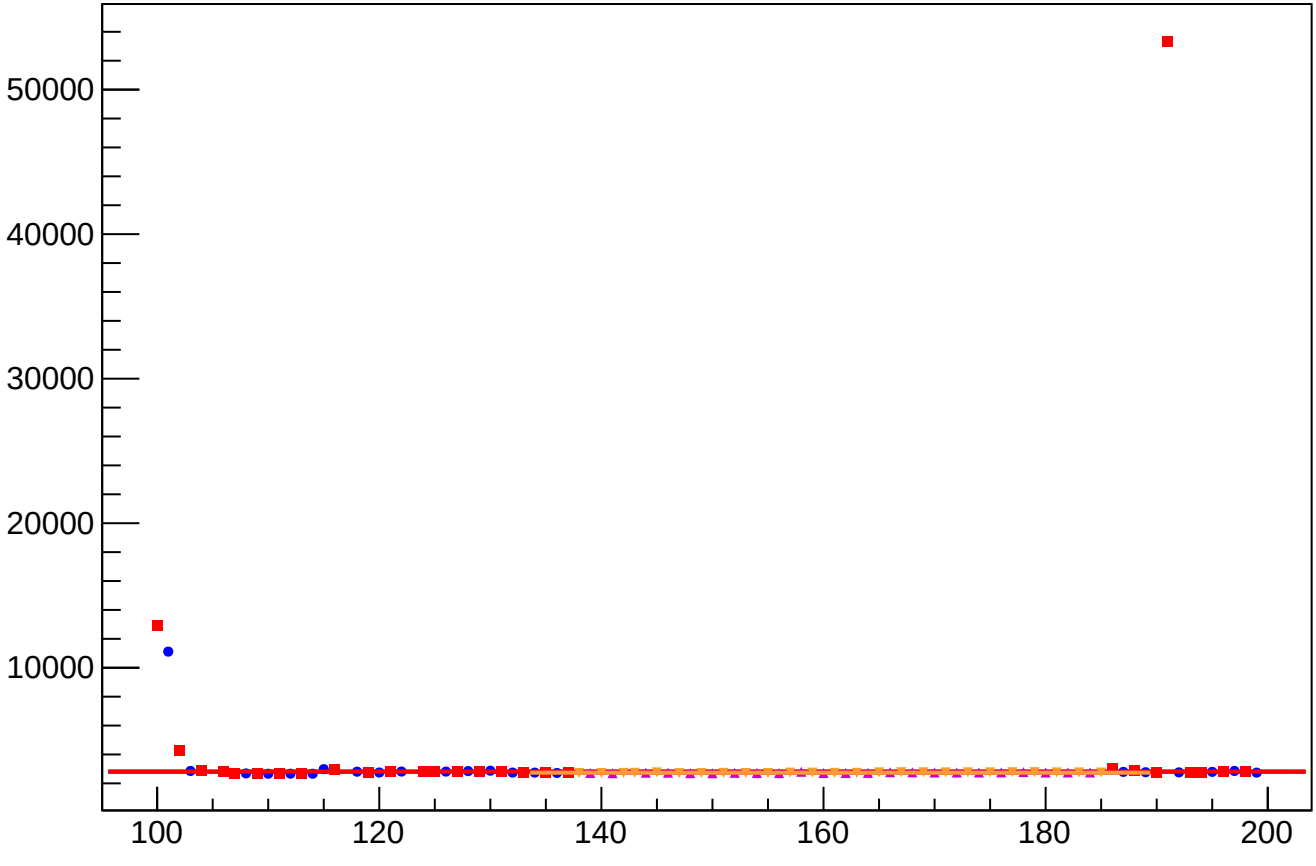
Right: 2548.060+/-581.366 χ^2/NDF: 38.0/48

In: 2368.820+/-509.202 χ^2/NDF:53.4/44

Out: 2630.195+/-492.335 χ^2/NDF:48.2/51

All: 2503.908+/-353.946 χ^2/NDF: 101.7/96

eigen_dit_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2808.751+/-0.594 χ^2/NDF: 746581.3/21

Left Out: 2739.304+/-0.440 χ^2/NDF:2322.3/24

Right Out: 2819.885+/-0.569 χ^2/NDF: 531329.3/26

Left In: 2741.391+/-0.453 χ^2/NDF:3369.6/22

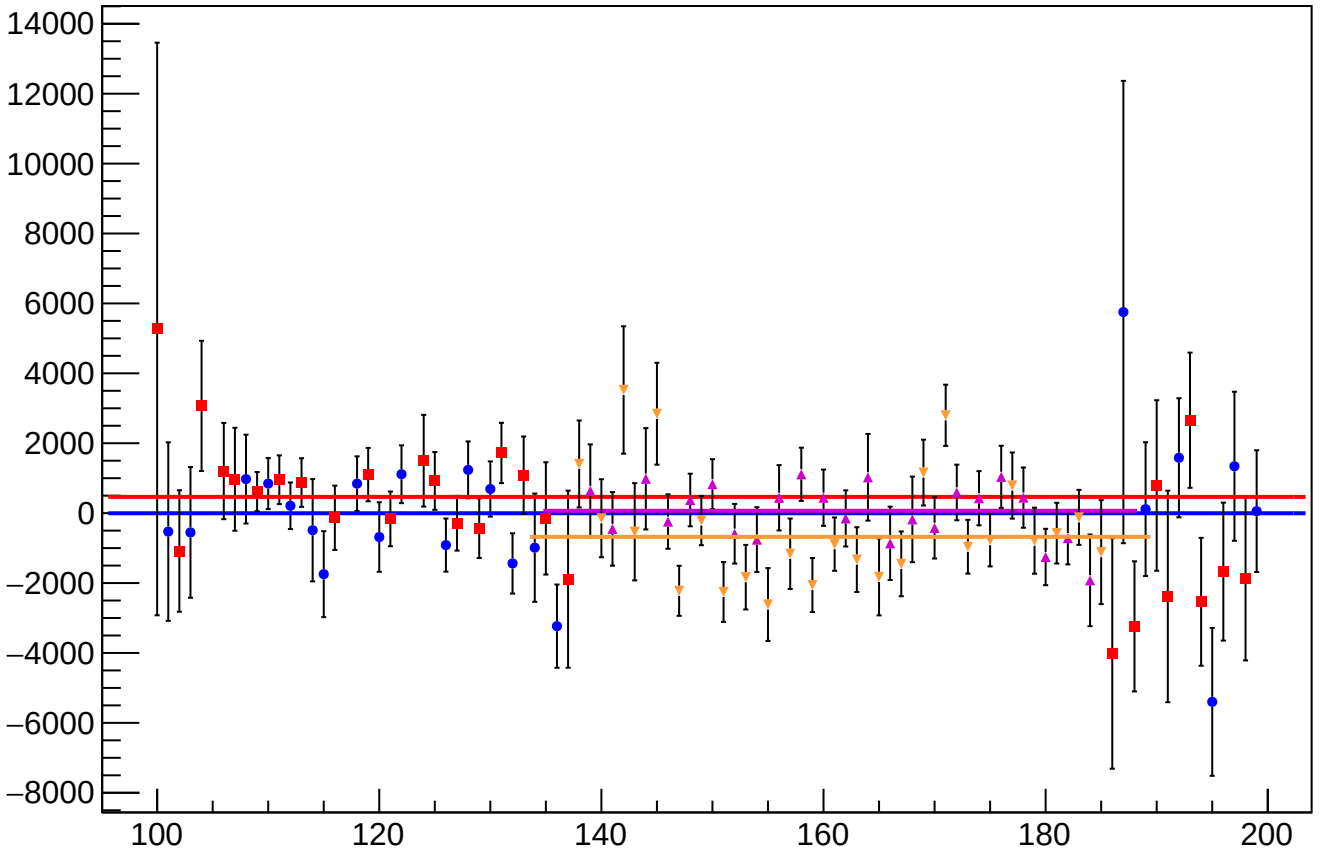
Left: 2740.318+/-0.315 χ^2/NDF: 5702.8/47

Right: 2814.557+/-0.411 χ^2/NDF: 1278093.7/48

In: 2766.121+/-0.360 χ^2/NDF:758082.8/44

Out: 2769.437+/-0.348 χ^2/NDF:546194.7/51

All: 2767.835+/-0.250 χ^2/NDF: 1304321.3/96



Right In: -3.033+/-228.521 χ^2/NDF: 31.3/21

Left Out: -678.227+/-185.004 χ^2/NDF:56.2/24

Right Out: 465.280+/-209.059 χ^2/NDF: 25.4/26

Left In: 67.157+/-185.436 χ^2/NDF:15.8/22

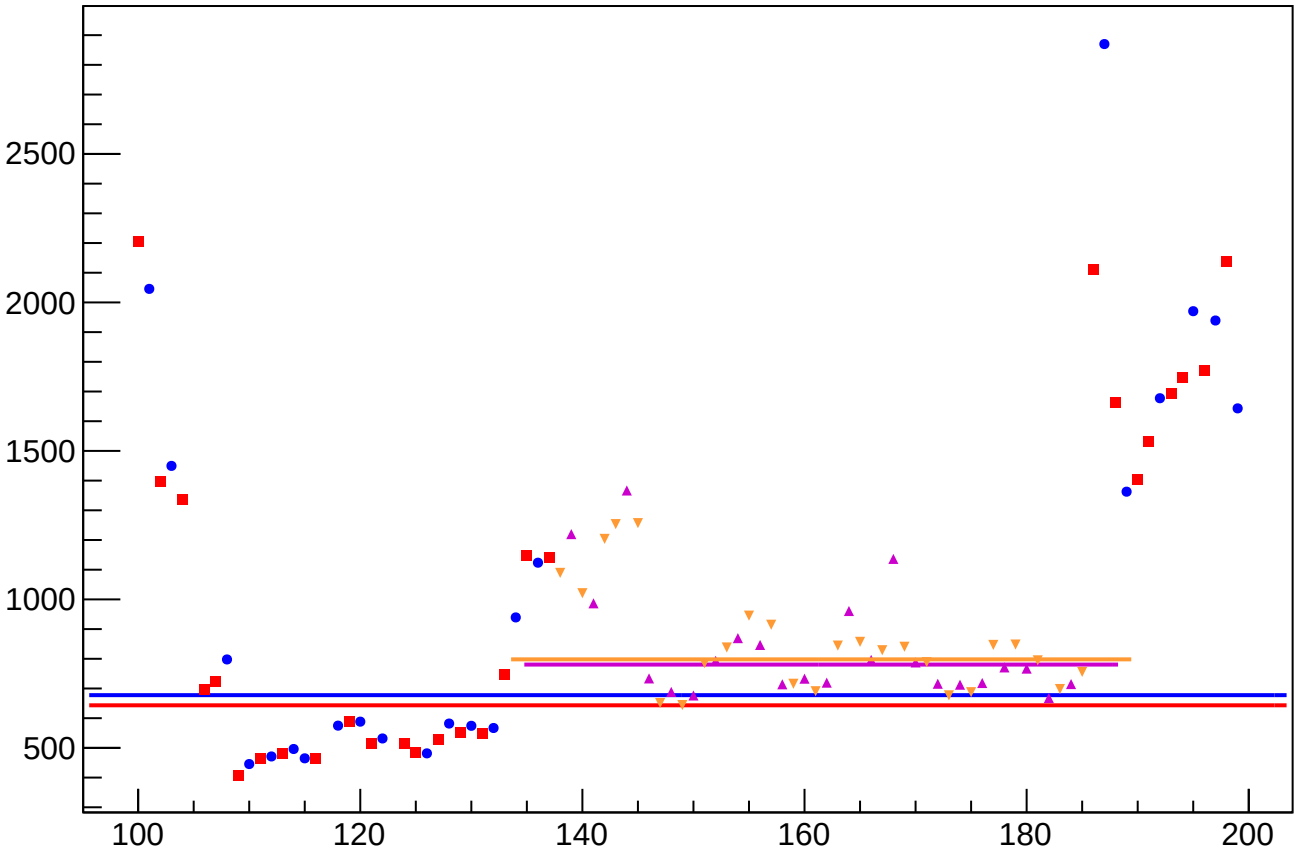
Left: -306.403+/-130.970 χ^2/NDF: 80.1/47

Right: 251.912+/-154.249 χ^2/NDF: 59.1/48

In: 39.289+/-143.993 χ^2/NDF:47.2/44

Out: -176.016+/-138.545 χ^2/NDF:98.4/51

All: -72.513+/-99.837 χ^2/NDF: 146.8/96



Right In: 677.564+/-0.162 χ^2/NDF: 5323218.5/21

Left Out: 798.092+/-0.131 χ^2/NDF:1168353.9/24

Right Out: 643.385+/-0.148 χ^2/NDF: 6085378.2/26

Left In: 780.525+/-0.131 χ^2/NDF:1064830.7/22

Left: 789.329+/-0.093 χ^2/NDF: 2242179.2/47

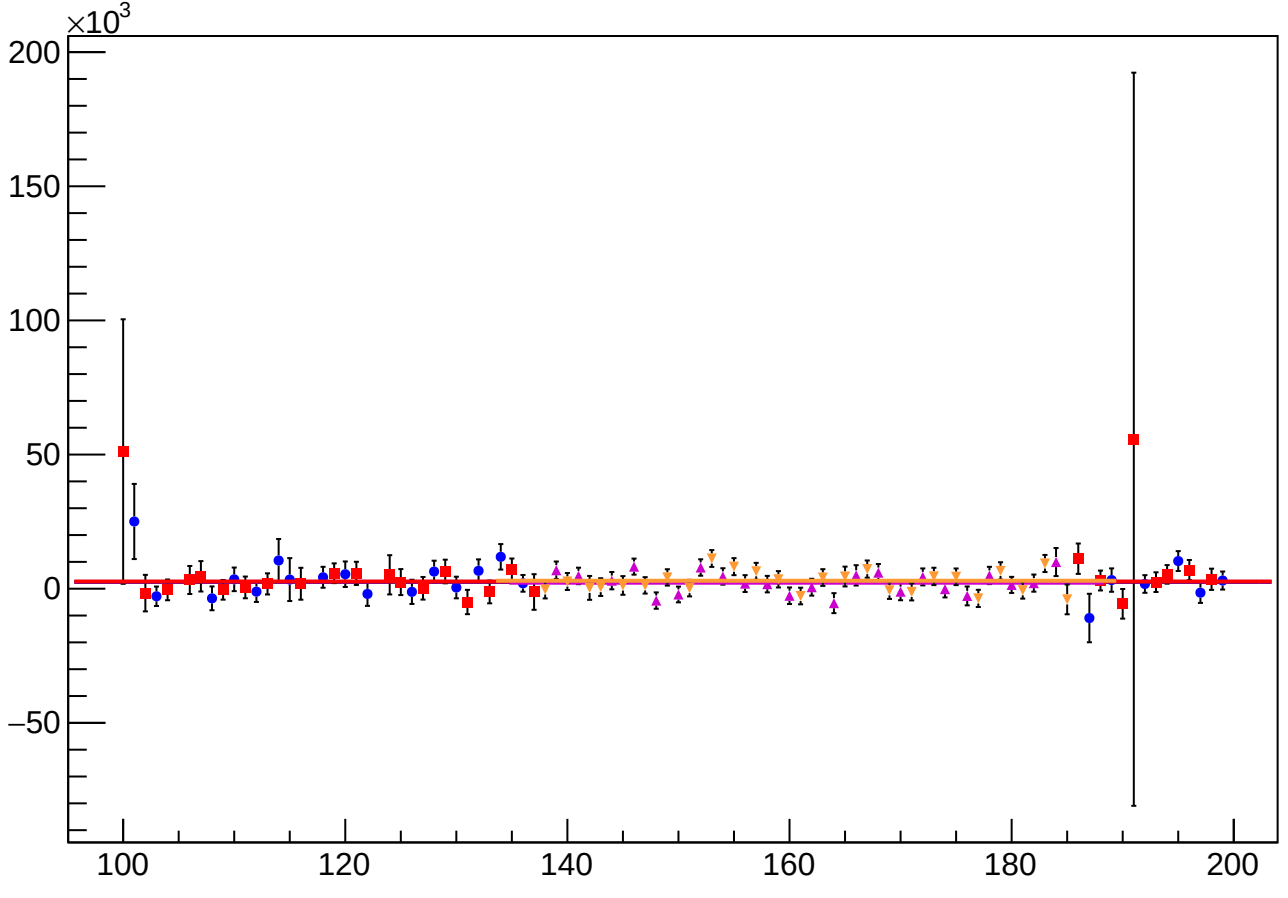
Right: 658.957+/-0.109 χ^2/NDF: 11432952.8/48

In: 739.646+/-0.102 χ^2/NDF:6632852.0/44

Out: 730.147+/-0.098 χ^2/NDF:7867961.5/51

All: 734.713+/-0.071 χ^2/NDF: 14505333.6/96

asym_atr1_mean vs Slug, Sign Corrected



Right In: 2534.455+/-911.106 χ^2/NDF: 24.7/21

Left Out: 2969.337+/-653.286 χ^2/NDF:35.7/24

Right Out: 2670.407+/-878.884 χ^2/NDF: 17.3/26

Left In: 2237.495+/-670.327 χ^2/NDF:33.8/22

Left: 2612.837+/-467.852 χ^2/NDF: 70.1/47

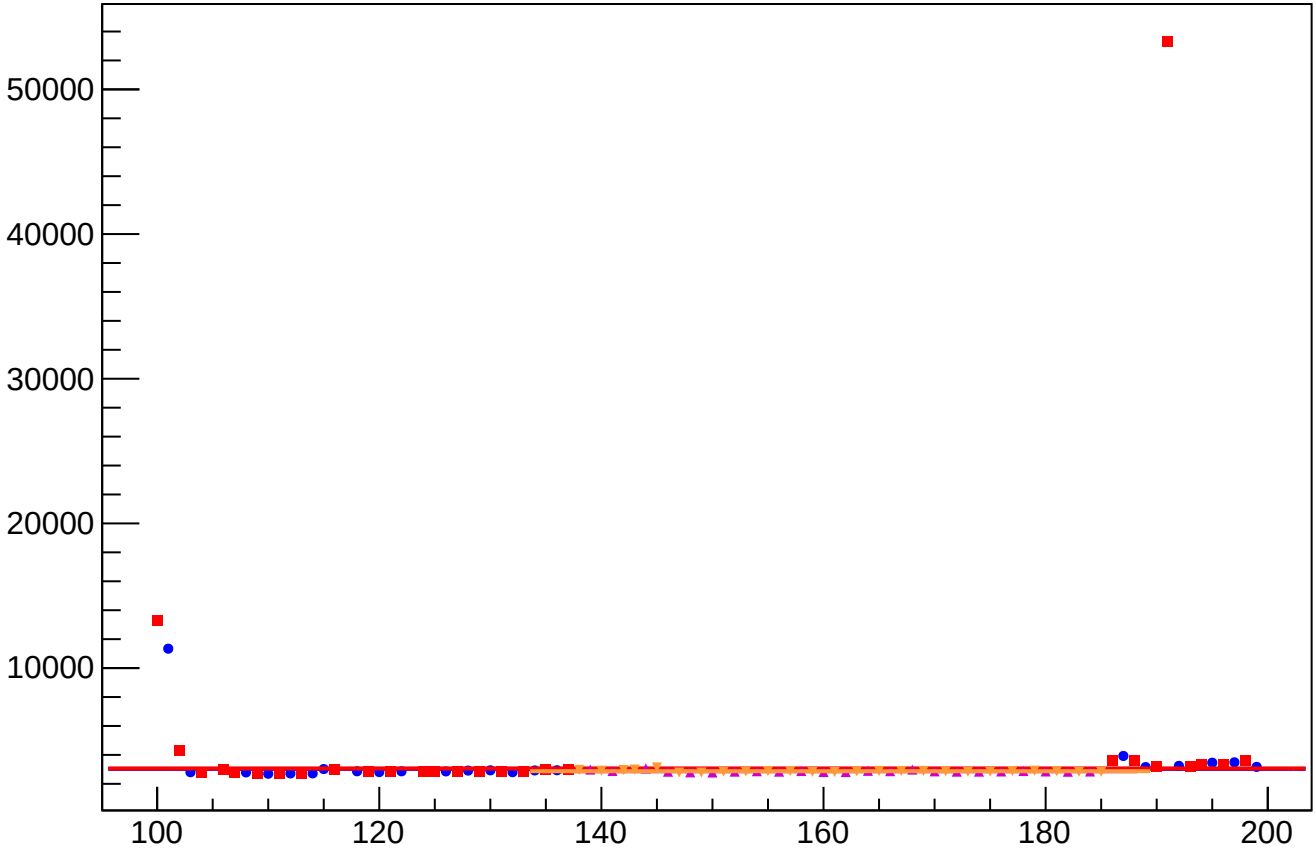
Right: 2604.878+/-632.549 χ^2/NDF: 42.0/48

In: 2341.786+/-539.938 χ^2/NDF:58.6/44

Out: 2862.953+/-524.307 χ^2/NDF:53.1/51

All: 2610.022+/-376.146 χ^2/NDF: 112.2/96

asym_atr1_rms vs Slug, Sign Corrected



Right In: 3035.027+/-0.644 χ^2/NDF: 858290.4/21

Left Out: 2874.933+/-0.462 χ^2/NDF:21788.8/24

Right Out: 3060.366+/-0.621 χ^2/NDF: 705015.5/26

Left In: 2870.153+/-0.474 χ^2/NDF:17687.5/22

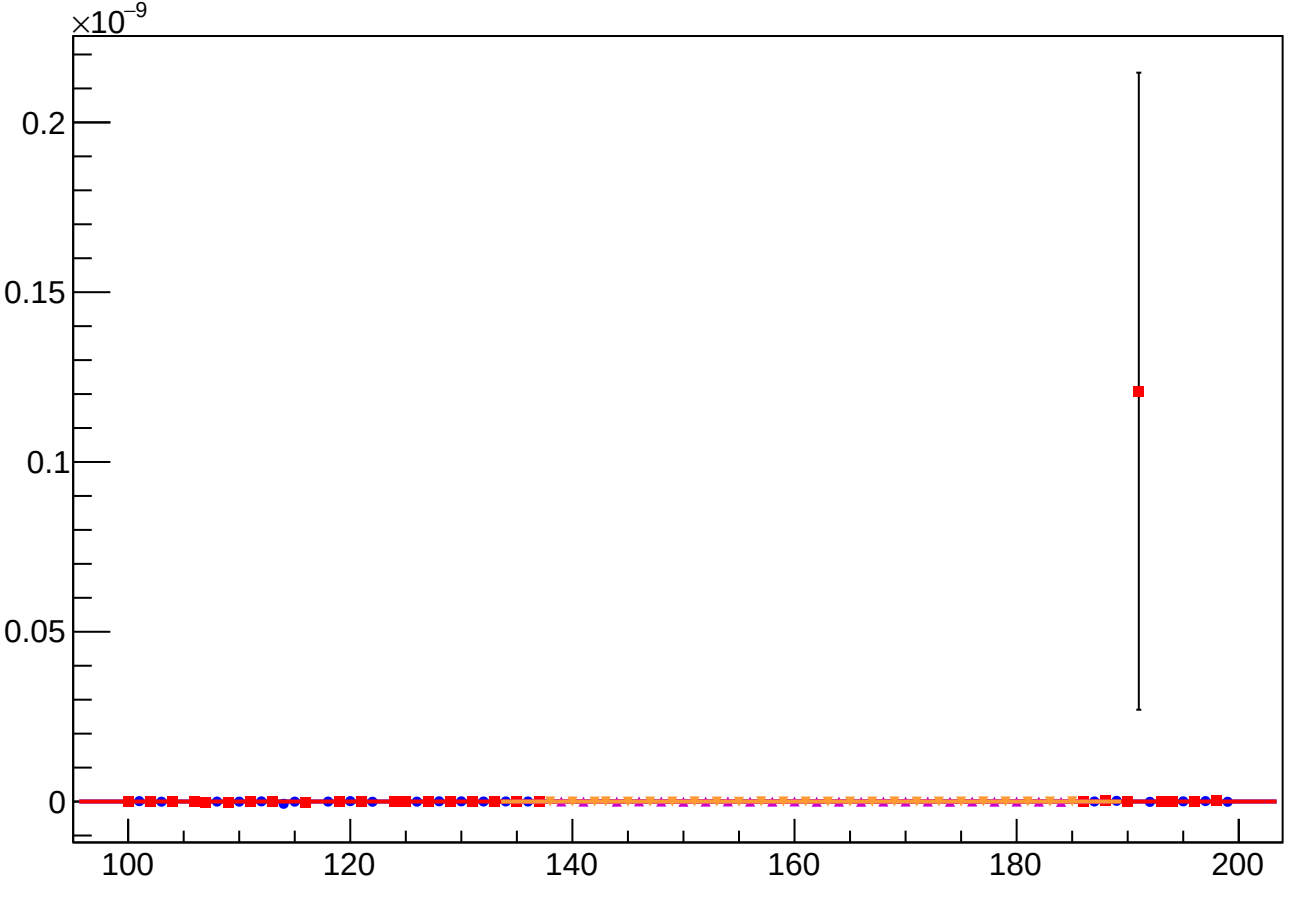
Left: 2872.605+/-0.331 χ^2/NDF: 39528.5/47

Right: 3048.152+/-0.447 χ^2/NDF: 1564107.2/48

In: 2928.056+/-0.382 χ^2/NDF:918470.1/44

Out: 2940.926+/-0.371 χ^2/NDF:784150.9/51

All: 2934.680+/-0.266 χ^2/NDF: 1703205.9/96



Right In: 0.000+/-0.000 χ^2/NDF: 14.8/21

Left Out: 0.000+/-0.000 χ^2/NDF:14.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 31.0/26

Left In: -0.000+/-0.000 χ^2/NDF:27.9/22

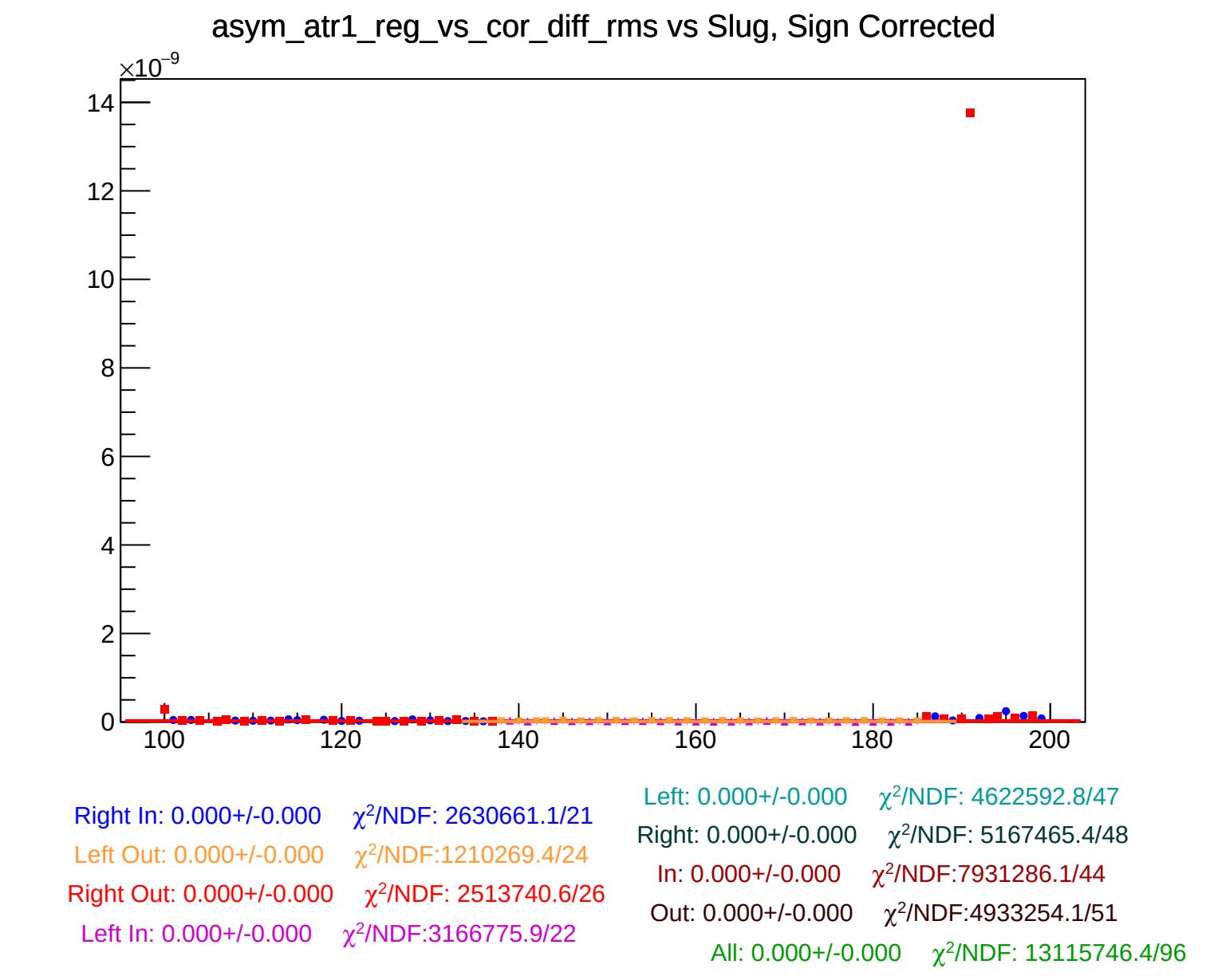
Left: -0.000+/-0.000 χ^2/NDF: 43.3/47

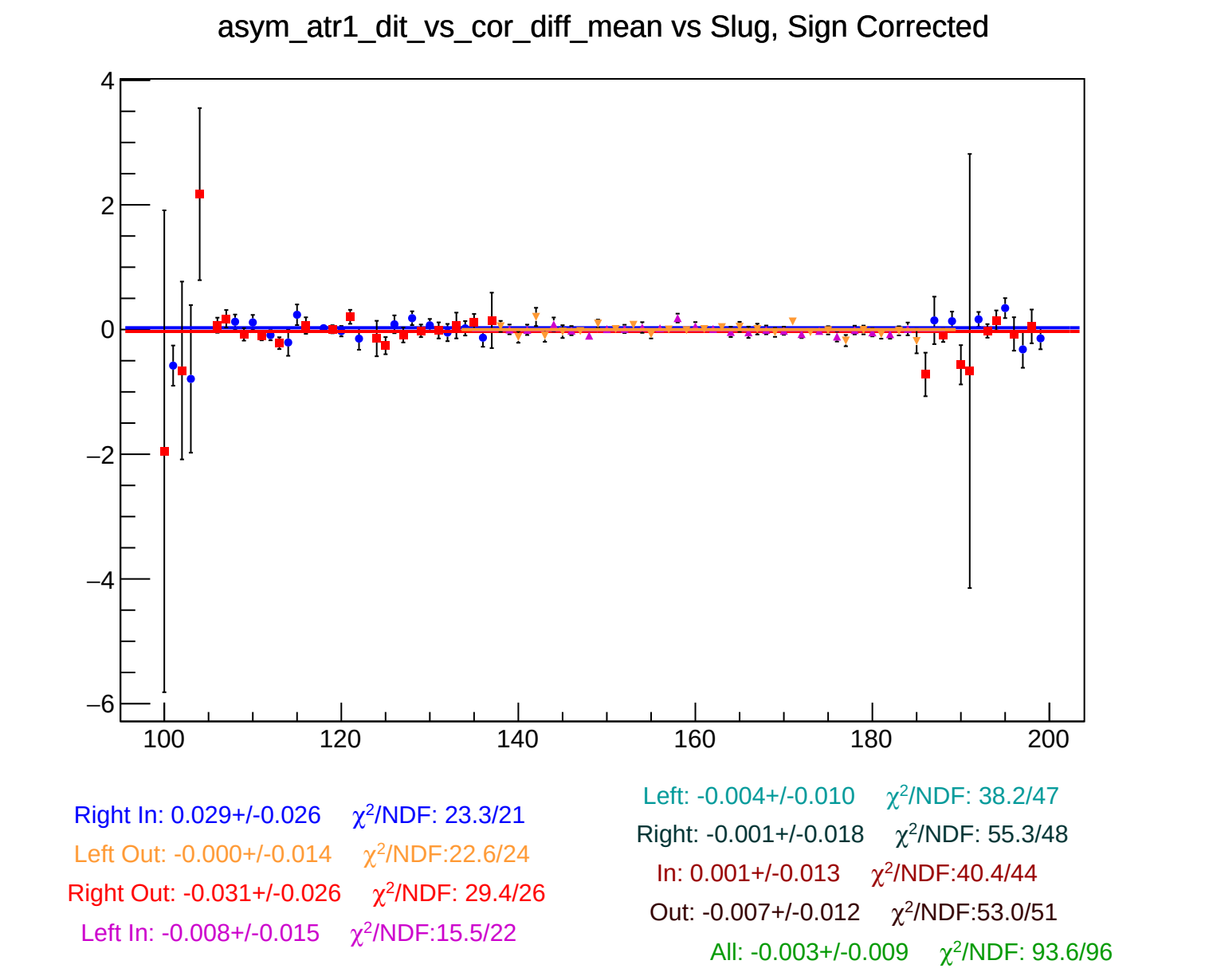
Right: 0.000+/-0.000 χ^2/NDF: 46.2/48

In: -0.000+/-0.000 χ^2/NDF:45.5/44

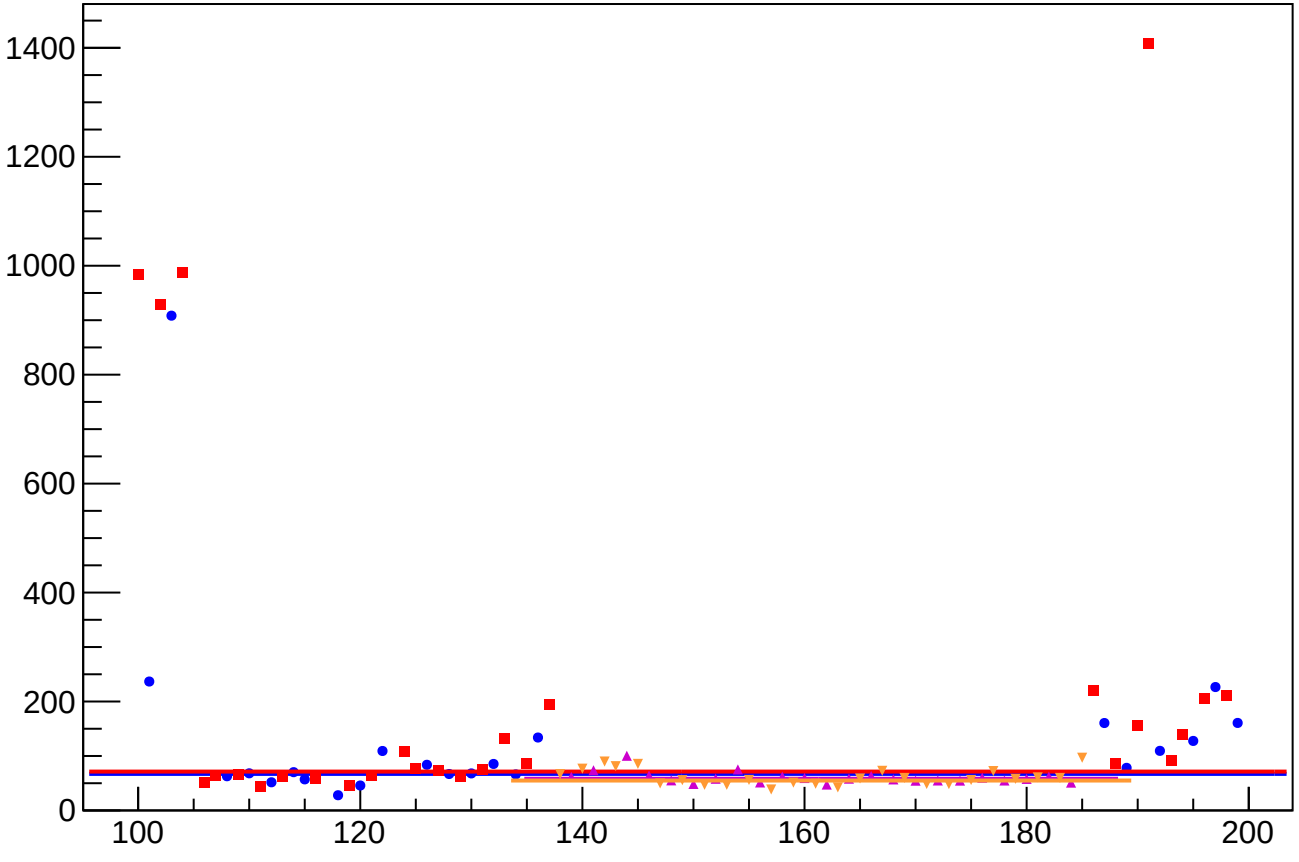
Out: 0.000+/-0.000 χ^2/NDF:45.6/51

All: -0.000+/-0.000 χ^2/NDF: 91.7/96


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: 2630661.1/21
Left Out: 0.000+/-0.000 χ²/NDF:1210269.4/24
Right Out: 0.000+/-0.000 χ²/NDF: 2513740.6/26
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: 5167465.4/48
In: 0.000+/-0.000 χ²/NDF:7931286.1/44
Out: 0.000+/-0.000 χ²/NDF:4933254.1/51
All: 0.000+/-0.000 χ²/NDF: 13115746.4/96


asym_atr1_dit_vs_cor_diff_mean vs Slug, Sign Corrected
4
2
0
−2
−4
−6
100
120
140
160
180
200
Right In: 0.029+/-0.026 χ²/NDF: 23.3/21
Left Out: -0.000+/-0.014 χ²/NDF:22.6/24
Right Out: -0.031+/-0.026 χ²/NDF: 29.4/26
Left In: -0.008+/-0.015 χ²/NDF:15.5/22
Left: -0.004+/-0.010 χ²/NDF: 38.2/47
Right: -0.001+/-0.018 χ²/NDF: 55.3/48
In: 0.001+/-0.013 χ²/NDF:40.4/44
Out: -0.007+/-0.012 χ²/NDF:53.0/51
All: -0.003+/-0.009 χ²/NDF: 93.6/96

asym_atr1_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 67.117+/-0.018 χ^2/NDF: 5287340.2/21

Left Out: 54.931+/-0.010 χ^2/NDF:1297647.2/24

Right Out: 71.361+/-0.018 χ^2/NDF: 5144680.9/26

Left In: 58.138+/-0.010 χ^2/NDF:657436.9/22

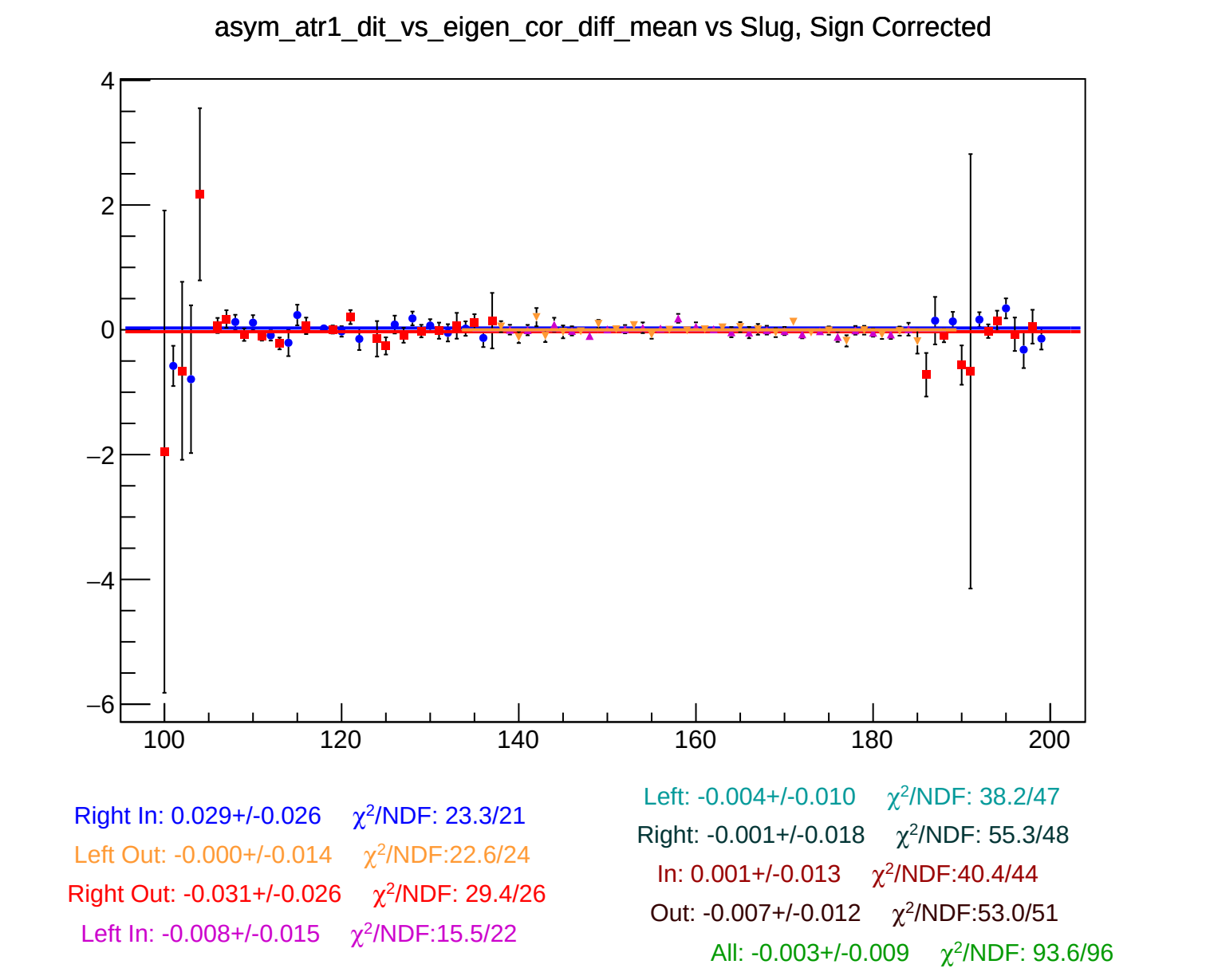
Left: 56.452+/-0.007 χ^2/NDF: 2004214.4/47

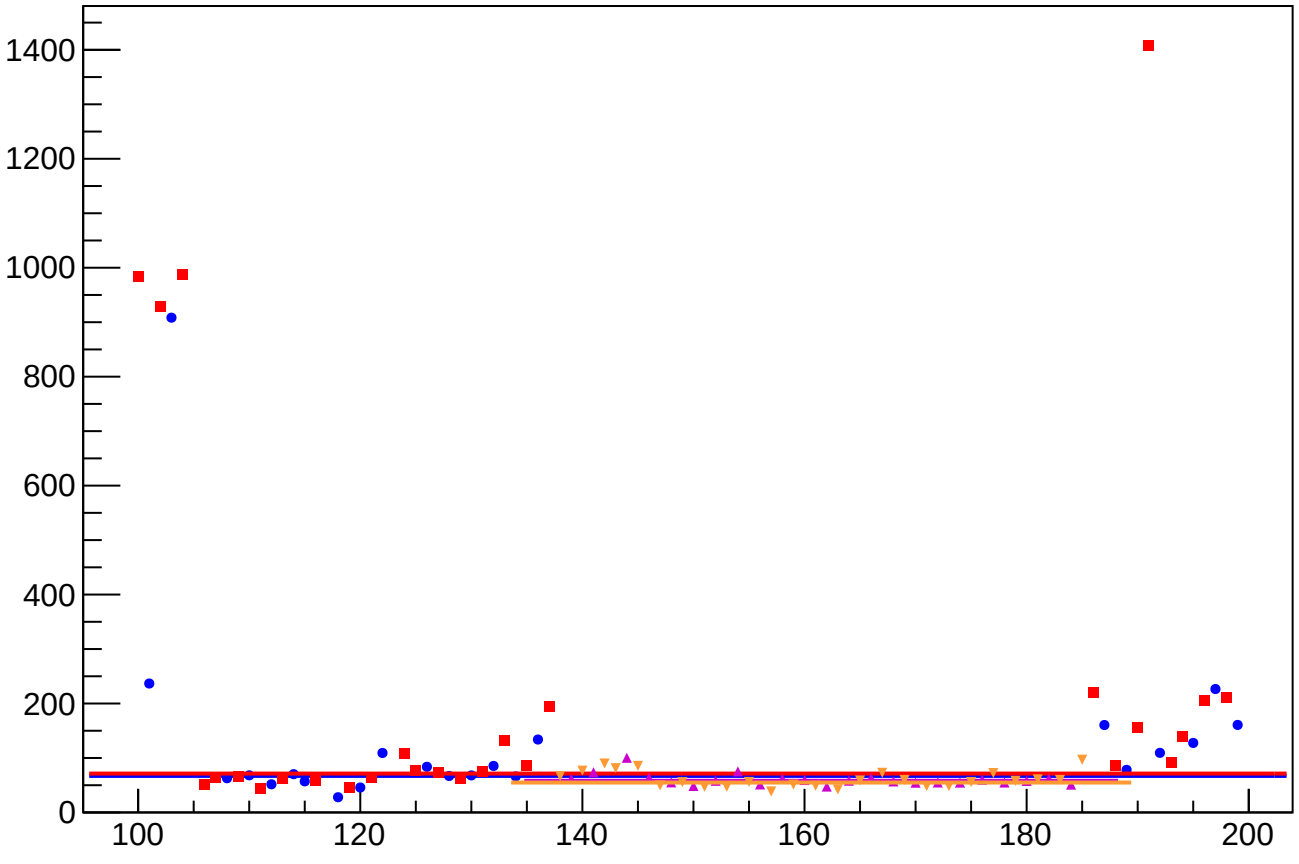
Right: 69.264+/-0.013 χ^2/NDF: 10459268.5/48

In: 60.360+/-0.009 χ^2/NDF:6126098.9/44

Out: 58.761+/-0.009 χ^2/NDF:7075983.2/51

All: 59.527+/-0.006 χ^2/NDF: 13218165.7/96


asym_atr1_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
4
2
0
−2
−4
−6
100
120
140
160
180
200
Right In: 0.029+/-0.026 χ²/NDF: 23.3/21
Left Out: -0.000+/-0.014 χ²/NDF:22.6/24
Right Out: -0.031+/-0.026 χ²/NDF: 29.4/26
Left In: -0.008+/-0.015 χ²/NDF:15.5/22
Left: -0.004+/-0.010 χ²/NDF: 38.2/47
Right: -0.001+/-0.018 χ²/NDF: 55.3/48
In: 0.001+/-0.013 χ²/NDF:40.4/44
Out: -0.007+/-0.012 χ²/NDF:53.0/51
All: -0.003+/-0.009 χ²/NDF: 93.6/96



Right In: 67.117+/-0.018 χ^2/NDF: 5287340.2/21

Left Out: 54.931+/-0.010 χ^2/NDF:1297647.2/24

Right Out: 71.361+/-0.018 χ^2/NDF: 5144680.9/26

Left In: 58.138+/-0.010 χ^2/NDF:657436.9/22

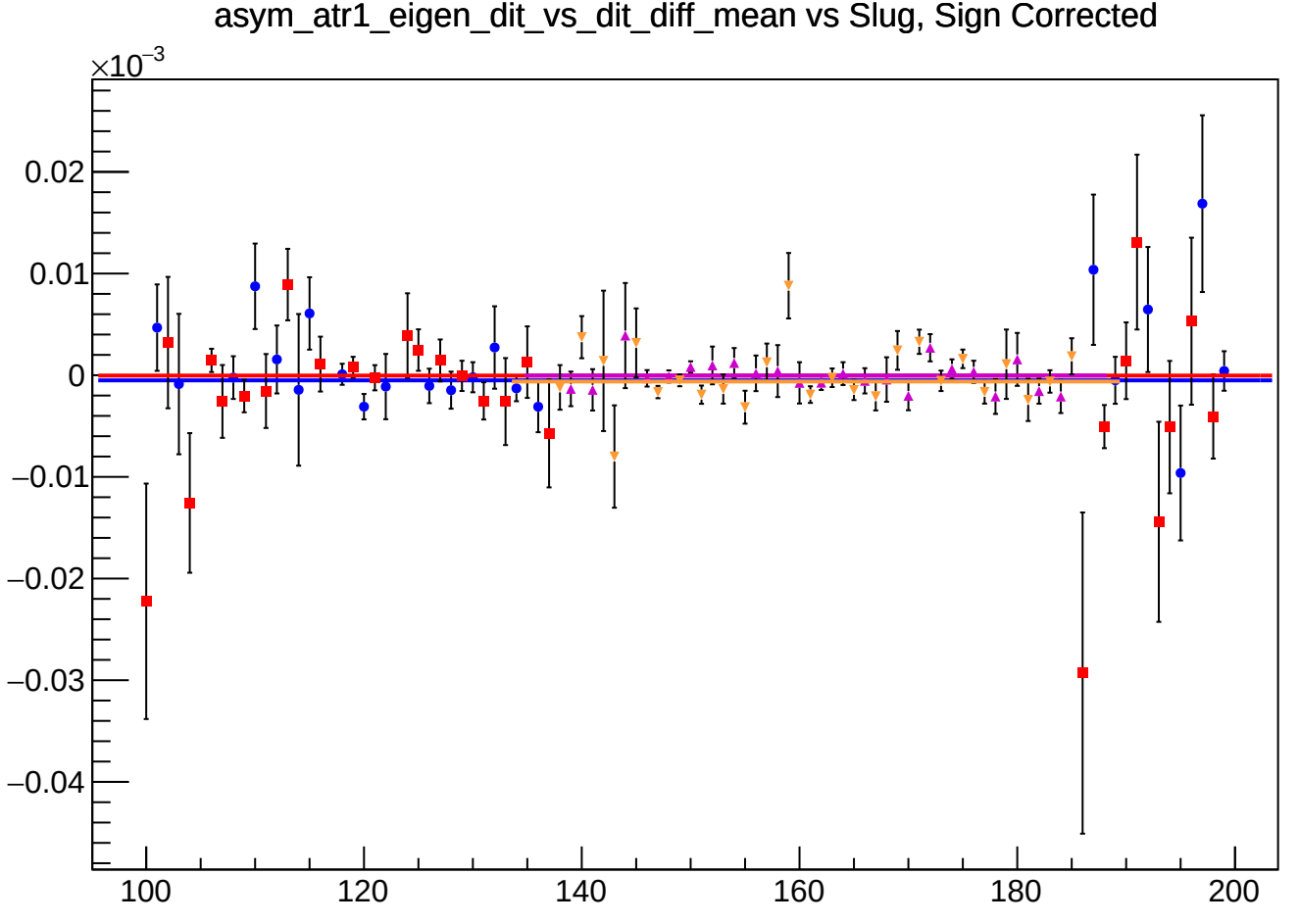
Left: 56.452+/-0.007 χ^2/NDF: 2004214.4/47

Right: 69.264+/-0.013 χ^2/NDF: 10459268.5/48

In: 60.360+/-0.009 χ^2/NDF:6126098.9/44

Out: 58.761+/-0.009 χ^2/NDF:7075983.2/51

All: 59.527+/-0.006 χ^2/NDF: 13218165.7/96



Right In: -0.000+/-0.000 χ^2/NDF: 26.9/21

Left Out: -0.000+/-0.000 χ^2/NDF:52.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 40.6/26

Left In: -0.000+/-0.000 χ^2/NDF:18.2/22

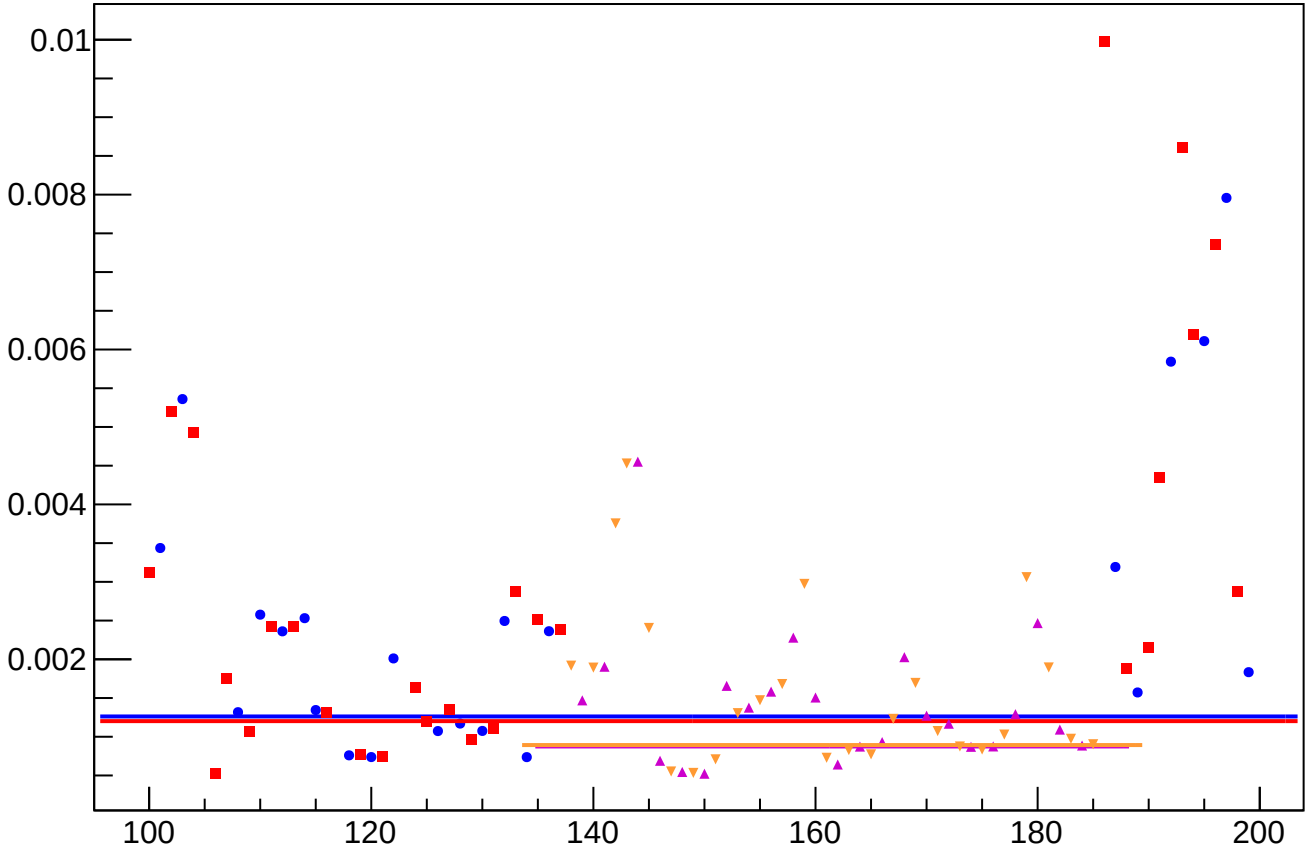
Left: -0.000+/-0.000 χ^2/NDF: 74.1/47

Right: -0.000+/-0.000 χ^2/NDF: 68.0/48

In: -0.000+/-0.000 χ^2/NDF:45.9/44

Out: -0.000+/-0.000 χ^2/NDF:94.7/51

All: -0.000+/-0.000 χ^2/NDF: 142.1/96



Right In: 0.001+/-0.000 χ^2/NDF: 7316611.2/21

Left Out: 0.001+/-0.000 χ^2/NDF:7739119.9/24

Right Out: 0.001+/-0.000 χ^2/NDF: 9027333.0/26

Left In: 0.001+/-0.000 χ^2/NDF:6963716.3/22

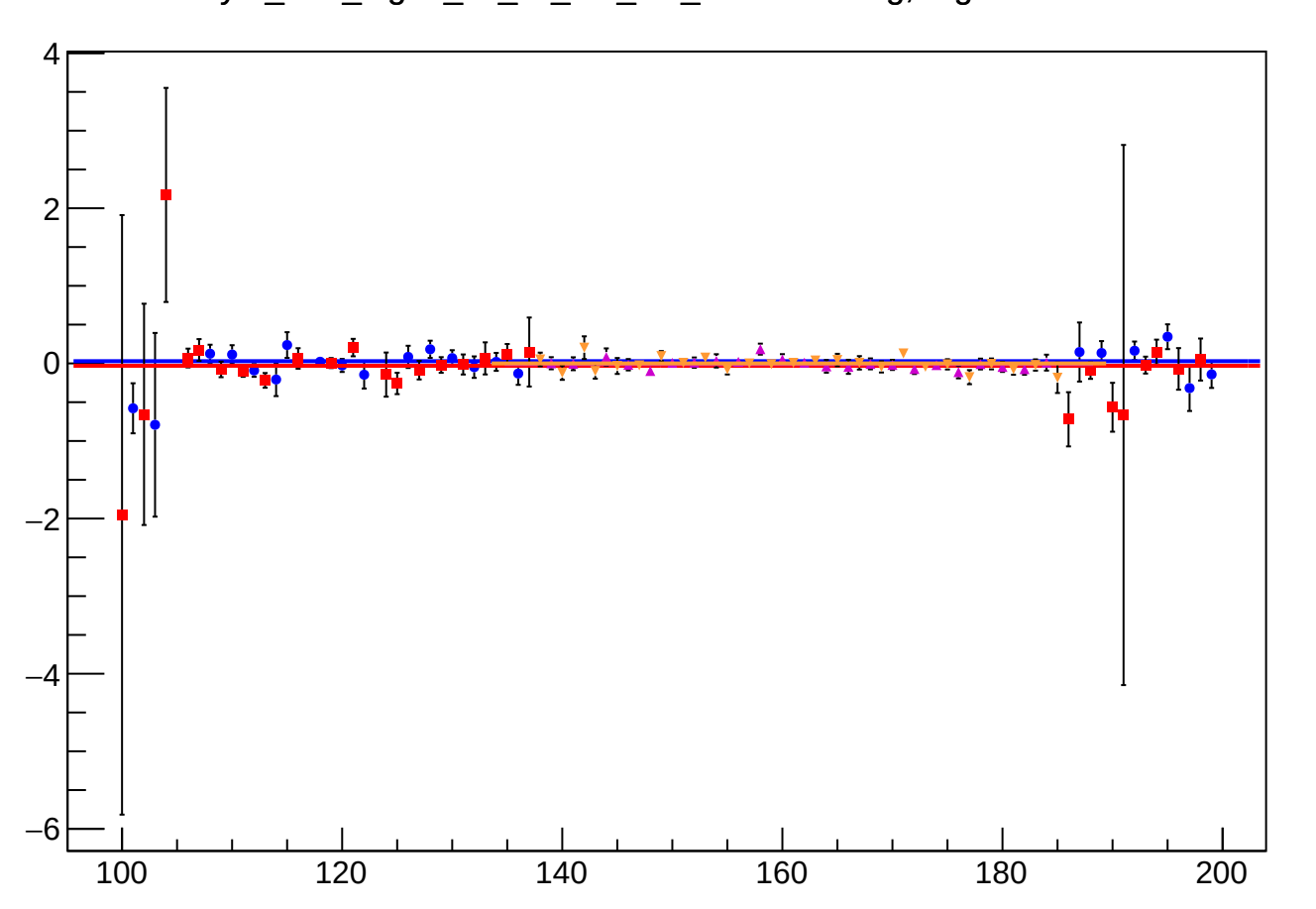
Left: 0.001+/-0.000 χ^2/NDF: 14708860.3/47

Right: 0.001+/-0.000 χ^2/NDF: 16361561.4/48

In: 0.001+/-0.000 χ^2/NDF:15396541.9/44

Out: 0.001+/-0.000 χ^2/NDF:17522282.6/51

All: 0.001+/-0.000 χ^2/NDF: 32919224.7/96



Right In: 0.029+/-0.026 χ^2/NDF: 23.3/21

Left Out: -0.000+/-0.014 χ^2/NDF:22.6/24

Right Out: -0.031+/-0.026 χ^2/NDF: 29.4/26

Left In: -0.008+/-0.015 χ^2/NDF:15.5/22

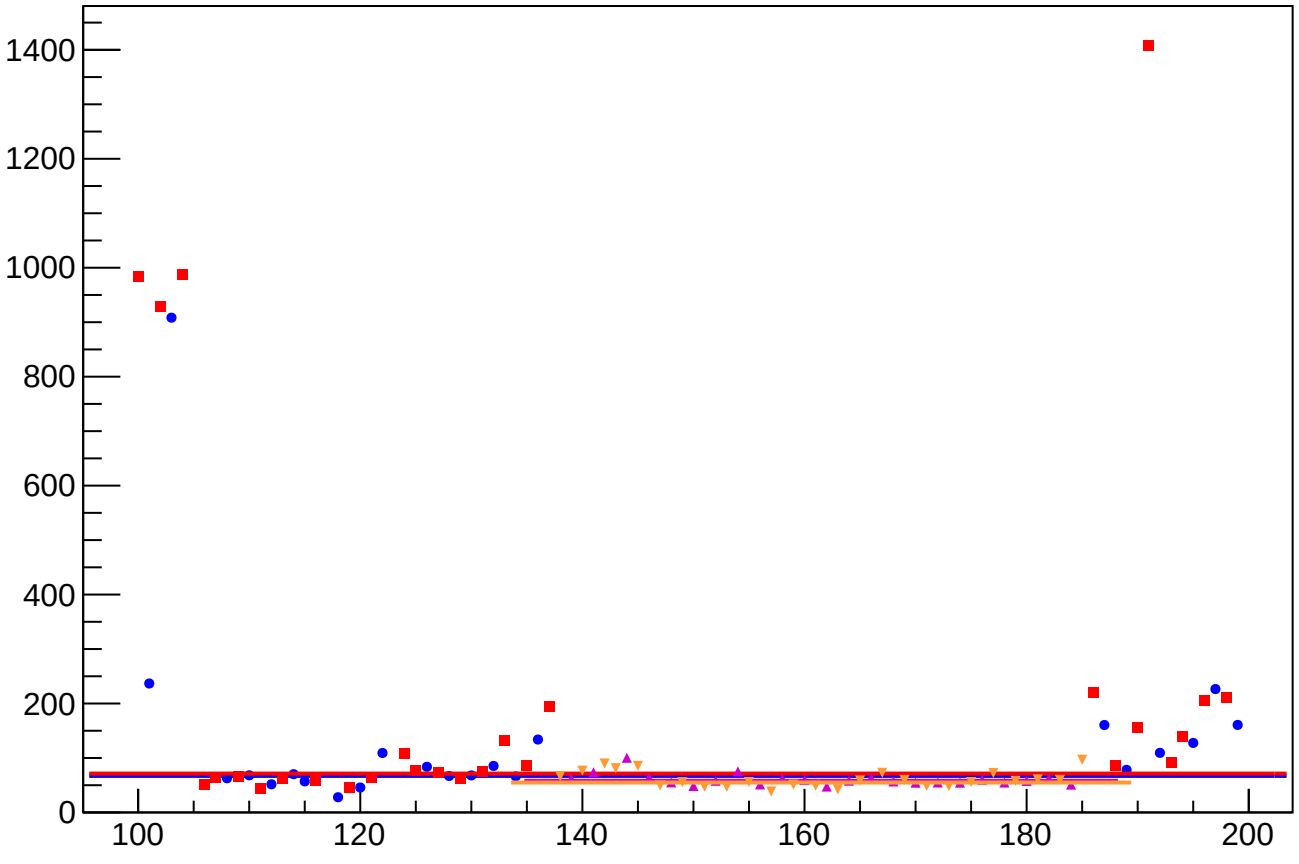
Left: -0.004+/-0.010 χ^2/NDF: 38.2/47

Right: -0.001+/-0.018 χ^2/NDF: 55.3/48

In: 0.001+/-0.013 χ^2/NDF:40.4/44

Out: -0.007+/-0.012 χ^2/NDF:53.0/51

All: -0.003+/-0.009 χ^2/NDF: 93.6/96



Right In: 67.116+/-0.018 χ^2/NDF: 5287456.8/21

Left Out: 54.930+/-0.010 χ^2/NDF:1297722.9/24

Right Out: 71.361+/-0.018 χ^2/NDF: 5144697.9/26

Left In: 58.138+/-0.010 χ^2/NDF:657460.3/22

Left: 56.452+/-0.007 χ^2/NDF: 2004328.0/47

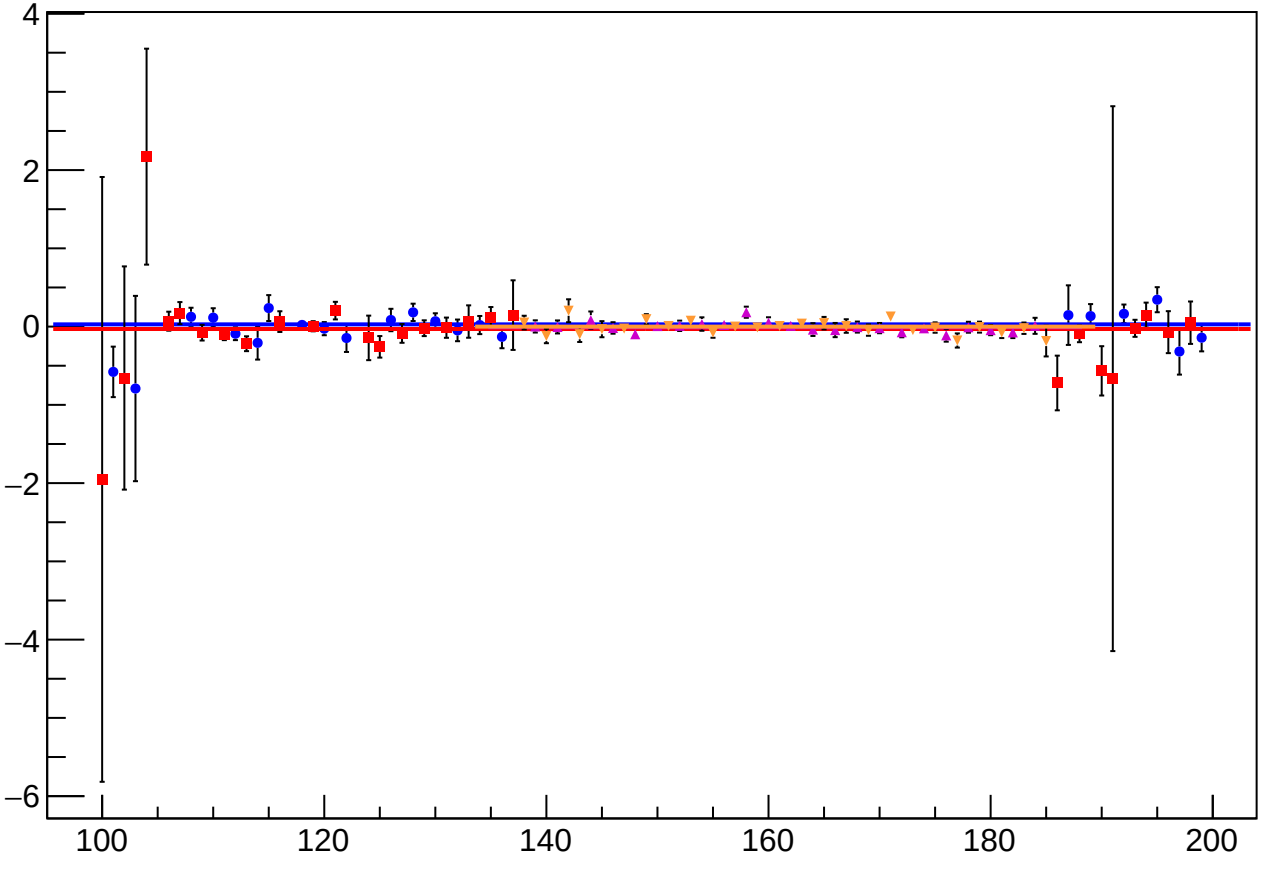
Right: 69.264+/-0.013 χ^2/NDF: 10459410.1/48

In: 60.360+/-0.009 χ^2/NDF:6126203.4/44

Out: 58.761+/-0.009 χ^2/NDF:7076090.1/51

All: 59.527+/-0.006 χ^2/NDF: 13218381.7/96

asym_atr1_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.029+/-0.026 χ^2/NDF: 23.3/21

Left Out: -0.000+/-0.014 χ^2/NDF:22.6/24

Right Out: -0.031+/-0.026 χ^2/NDF: 29.4/26

Left In: -0.008+/-0.015 χ^2/NDF:15.5/22

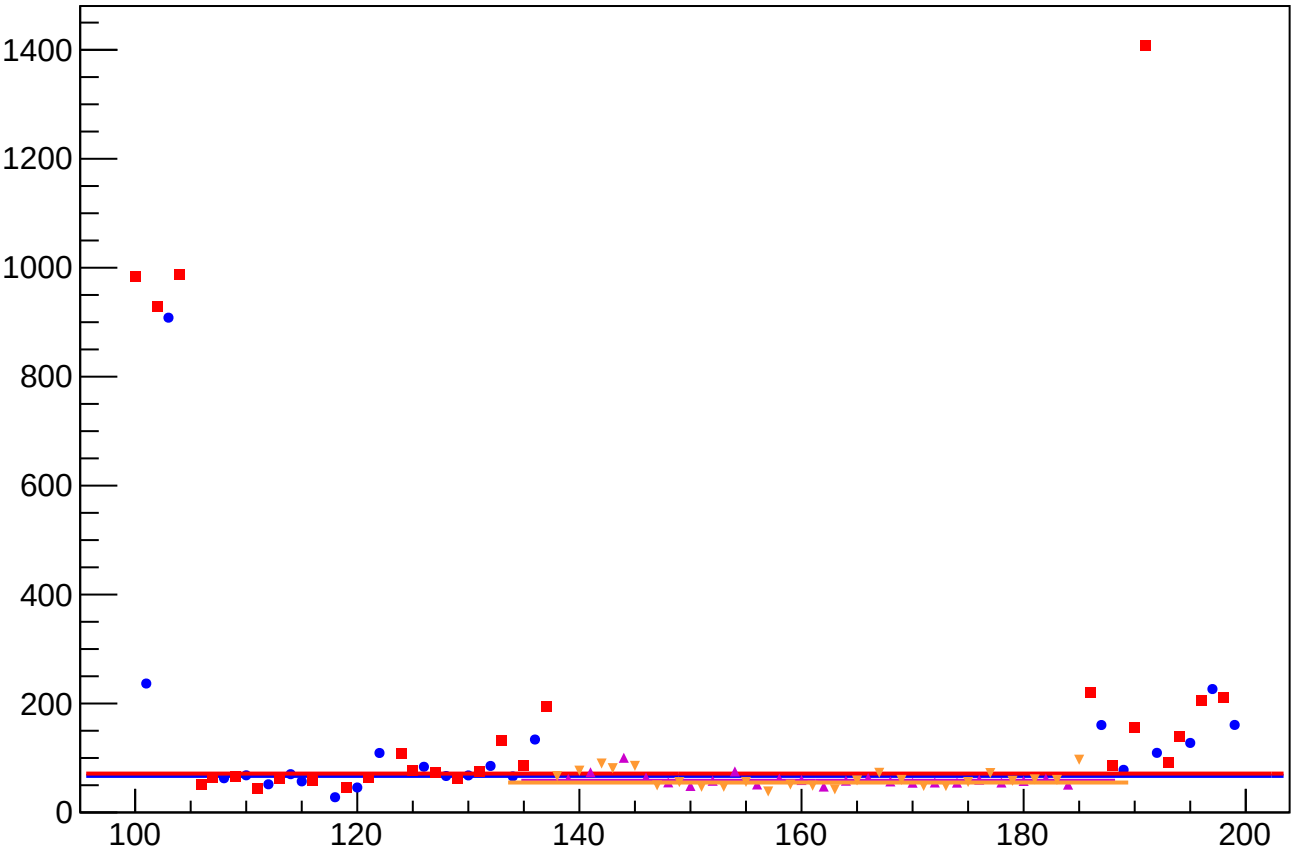
Left: -0.004+/-0.010 χ^2/NDF: 38.2/47

Right: -0.001+/-0.018 χ^2/NDF: 55.3/48

In: 0.001+/-0.013 χ^2/NDF:40.4/44

Out: -0.007+/-0.012 χ^2/NDF:53.0/51

All: -0.003+/-0.009 χ^2/NDF: 93.6/96



Right In: 67.116+/-0.018 χ^2/NDF: 5287456.8/21

Left Out: 54.930+/-0.010 χ^2/NDF:1297722.9/24

Right Out: 71.361+/-0.018 χ^2/NDF: 5144697.9/26

Left In: 58.138+/-0.010 χ^2/NDF:657460.3/22

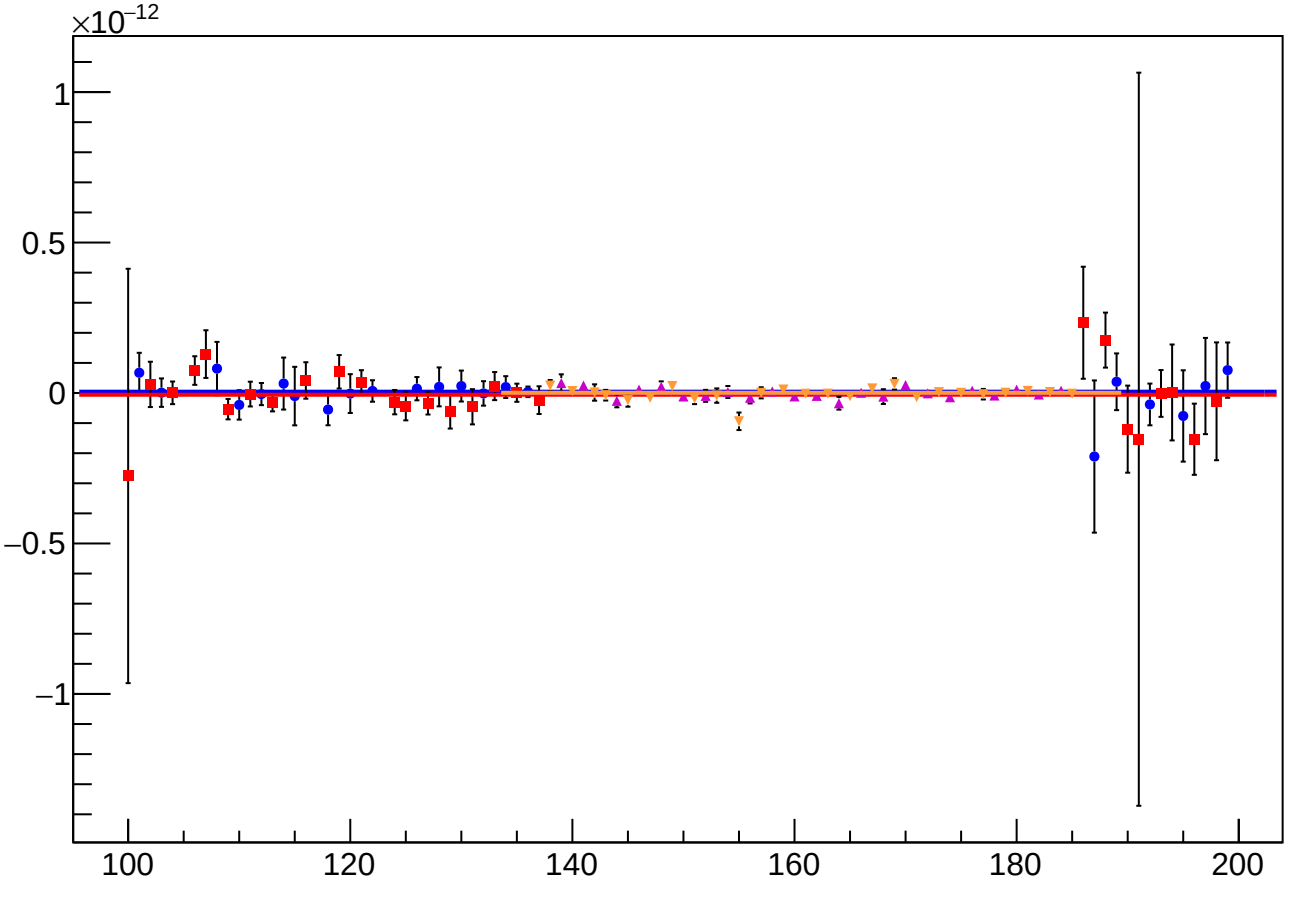
Left: 56.452+/-0.007 χ^2/NDF: 2004328.0/47

Right: 69.264+/-0.013 χ^2/NDF: 10459410.1/48

In: 60.360+/-0.009 χ^2/NDF:6126203.4/44

Out: 58.761+/-0.009 χ^2/NDF:7076090.1/51

All: 59.527+/-0.006 χ^2/NDF: 13218381.7/96



Right In: 0.000+/-0.000 χ^2/NDF: 6.5/21

Left Out: 0.000+/-0.000 χ^2/NDF:25.3/24

Right Out: -0.000+/-0.000 χ^2/NDF: 24.0/26

Left In: 0.000+/-0.000 χ^2/NDF:20.2/22

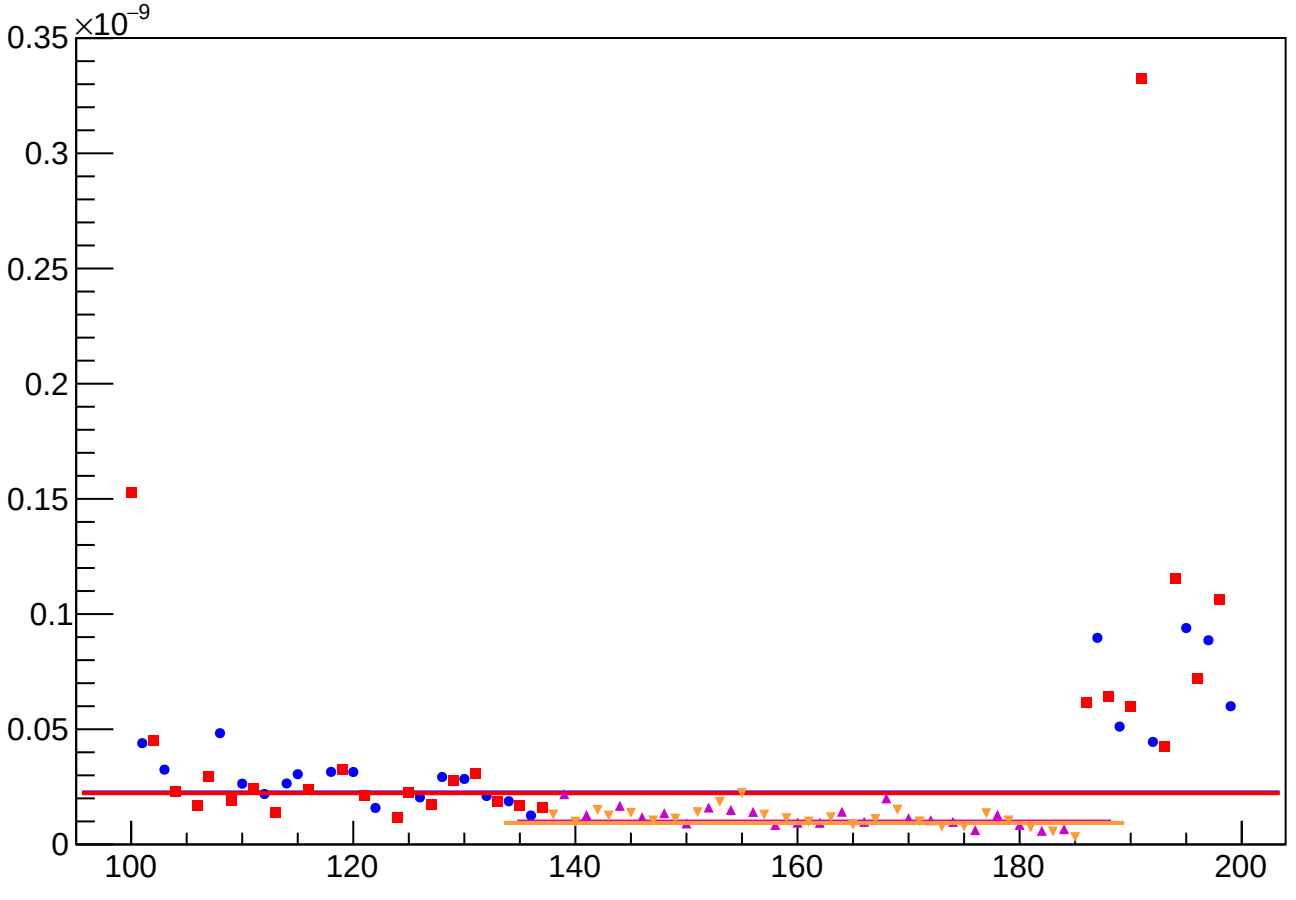
Left: 0.000+/-0.000 χ^2/NDF: 45.6/47

Right: -0.000+/-0.000 χ^2/NDF: 31.0/48

In: 0.000+/-0.000 χ^2/NDF:26.9/44

Out: 0.000+/-0.000 χ^2/NDF:49.7/51

All: 0.000+/-0.000 χ^2/NDF: 76.6/96



Right In: 0.000+/-0.000 χ^2/NDF: 3036090.9/21

Left Out: 0.000+/-0.000 χ^2/NDF:3070809.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3226088.6/26

Left In: 0.000+/-0.000 χ^2/NDF:2573277.3/22

Left: 0.000+/-0.000 χ^2/NDF: 5690216.6/47

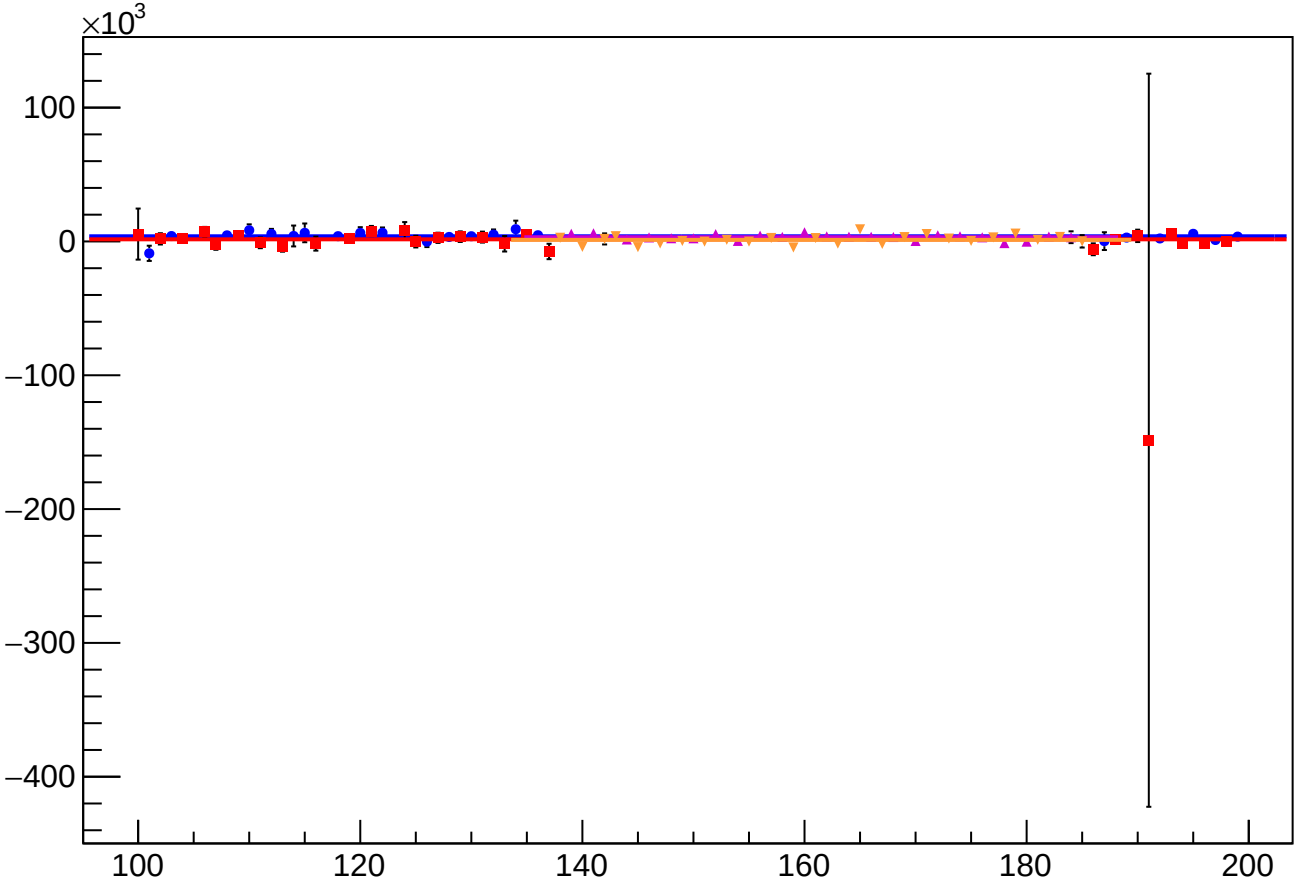
Right: 0.000+/-0.000 χ^2/NDF: 6263258.6/48

In: 0.000+/-0.000 χ^2/NDF:8560226.1/44

Out: 0.000+/-0.000 χ^2/NDF:9476995.2/51

All: 0.000+/-0.000 χ^2/NDF: 18101227.2/96

reg_asym_atr2_mean vs Slug, Sign Corrected



Right In: 3853.178+/-779.603 χ^2/NDF: 10.9/21

Left Out: 1188.836+/-556.242 χ^2/NDF:31.1/24

Right Out: 1587.239+/-744.413 χ^2/NDF: 23.1/26

Left In: 3147.419+/-569.221 χ^2/NDF:12.7/22

Left: 2145.543+/-397.832 χ^2/NDF: 49.9/47

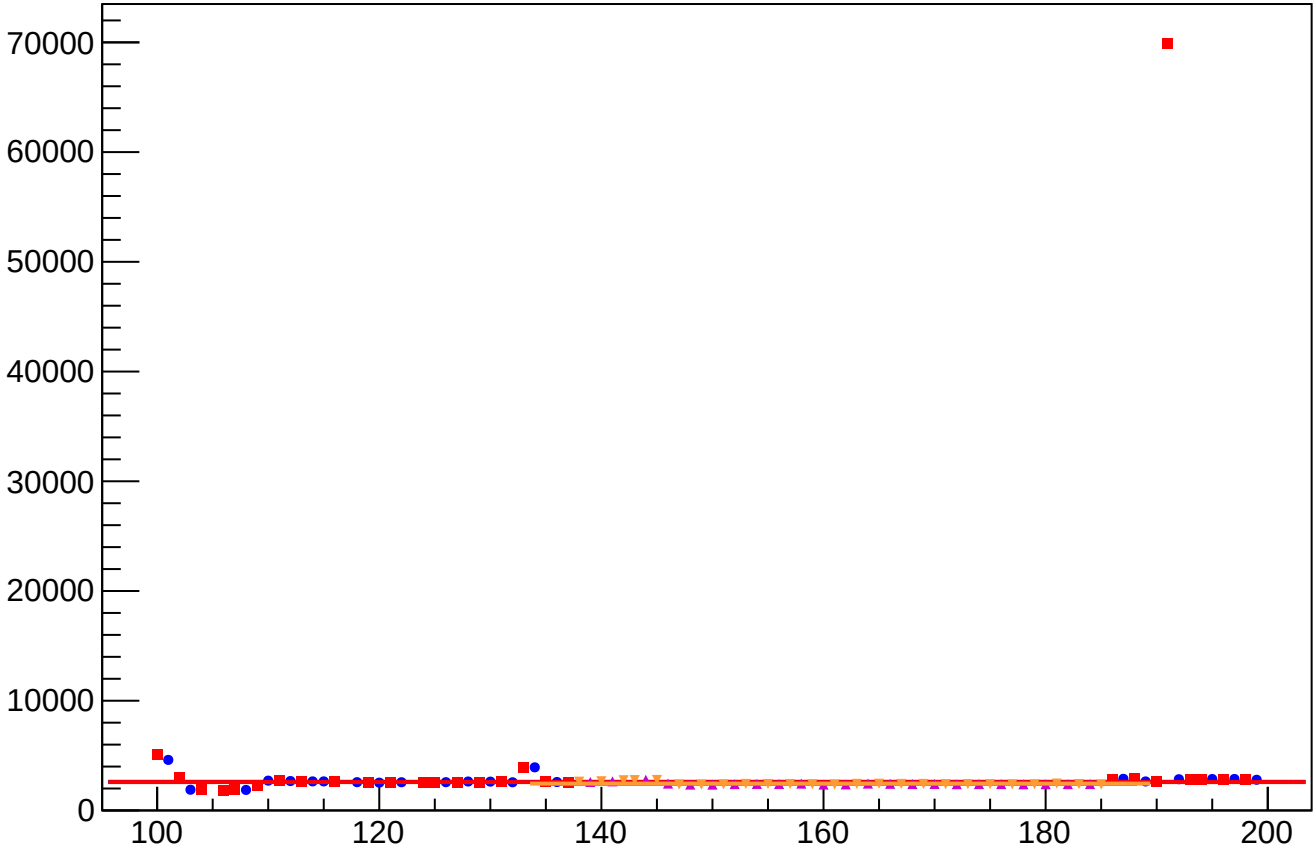
Right: 2667.914+/-538.390 χ^2/NDF: 38.5/48

In: 3392.833+/-459.721 χ^2/NDF:24.1/44

Out: 1331.580+/-445.587 χ^2/NDF:54.4/51

All: 2330.032+/-319.958 χ^2/NDF: 88.9/96

reg_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2609.881+/-0.551 χ^2/NDF: 686590.1/21

Left Out: 2445.826+/-0.393 χ^2/NDF:90014.8/24

Right Out: 2585.453+/-0.526 χ^2/NDF: 709326.4/26

Left In: 2435.950+/-0.403 χ^2/NDF:59189.9/22

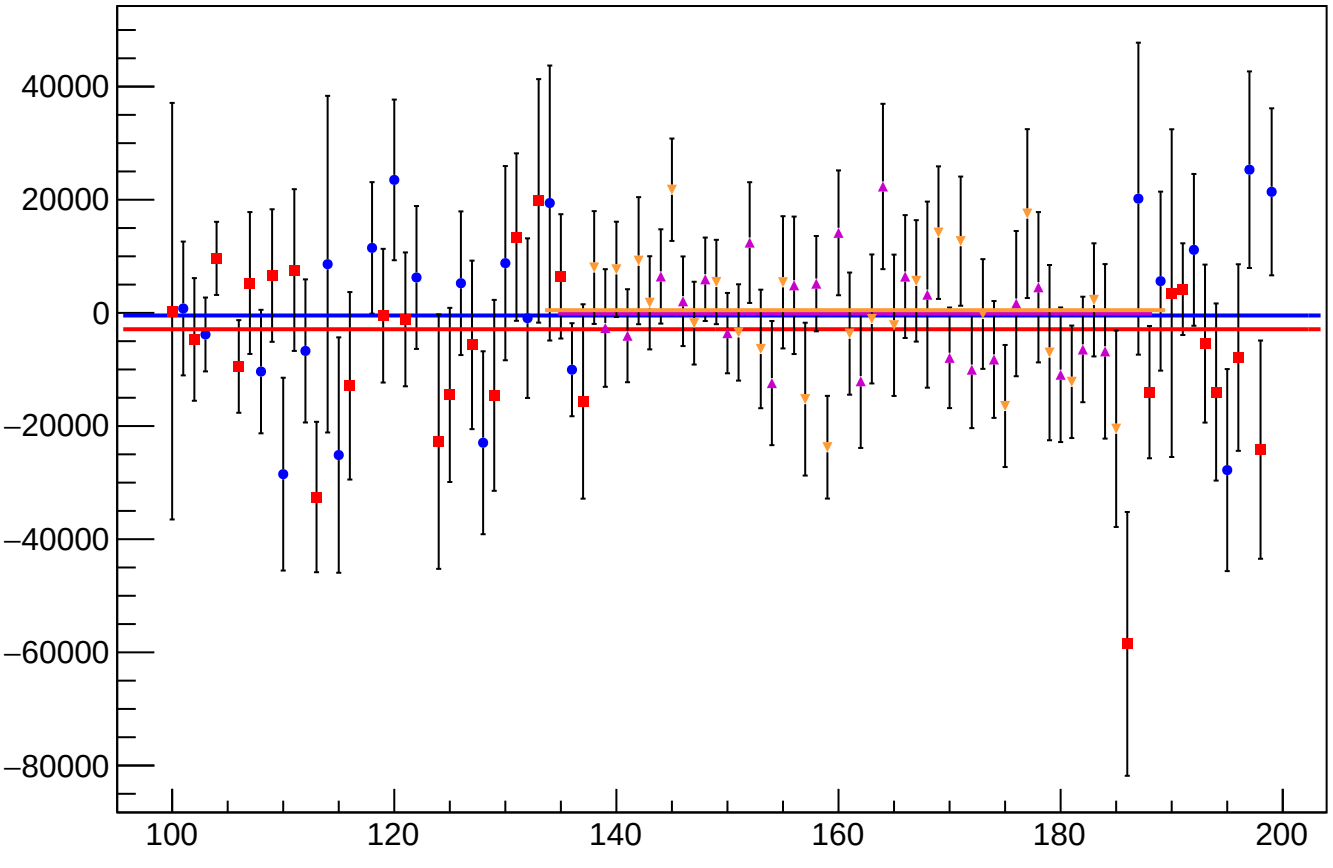
Left: 2441.002+/-0.281 χ^2/NDF: 149512.6/47

Right: 2597.104+/-0.381 χ^2/NDF: 1396943.6/48

In: 2496.431+/-0.325 χ^2/NDF:810713.1/44

Out: 2495.853+/-0.315 χ^2/NDF:844493.9/51

All: 2496.133+/-0.226 χ^2/NDF: 1655208.7/96



Right In: -458.685+/-2799.207 χ^2/NDF: 22.4/21

Left Out: 477.187+/-2035.969 χ^2/NDF:27.4/24

Right Out: -2889.364+/-2469.171 χ^2/NDF: 26.2/26

Left In: -104.954+/-2090.899 χ^2/NDF:14.5/22

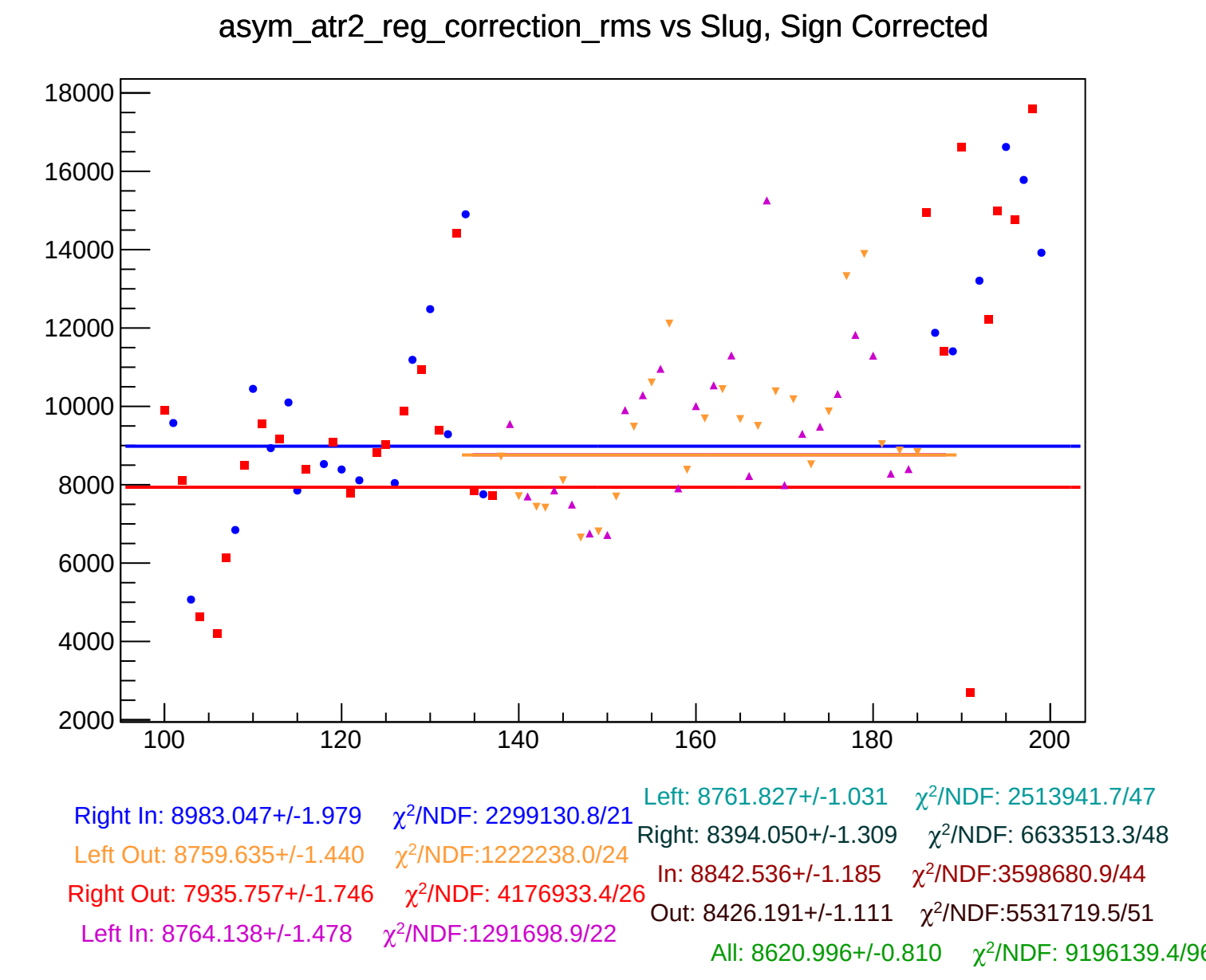
Left: 193.864+/-1458.680 χ^2/NDF: 41.9/47

Right: -1825.699+/-1851.713 χ^2/NDF: 49.0/48

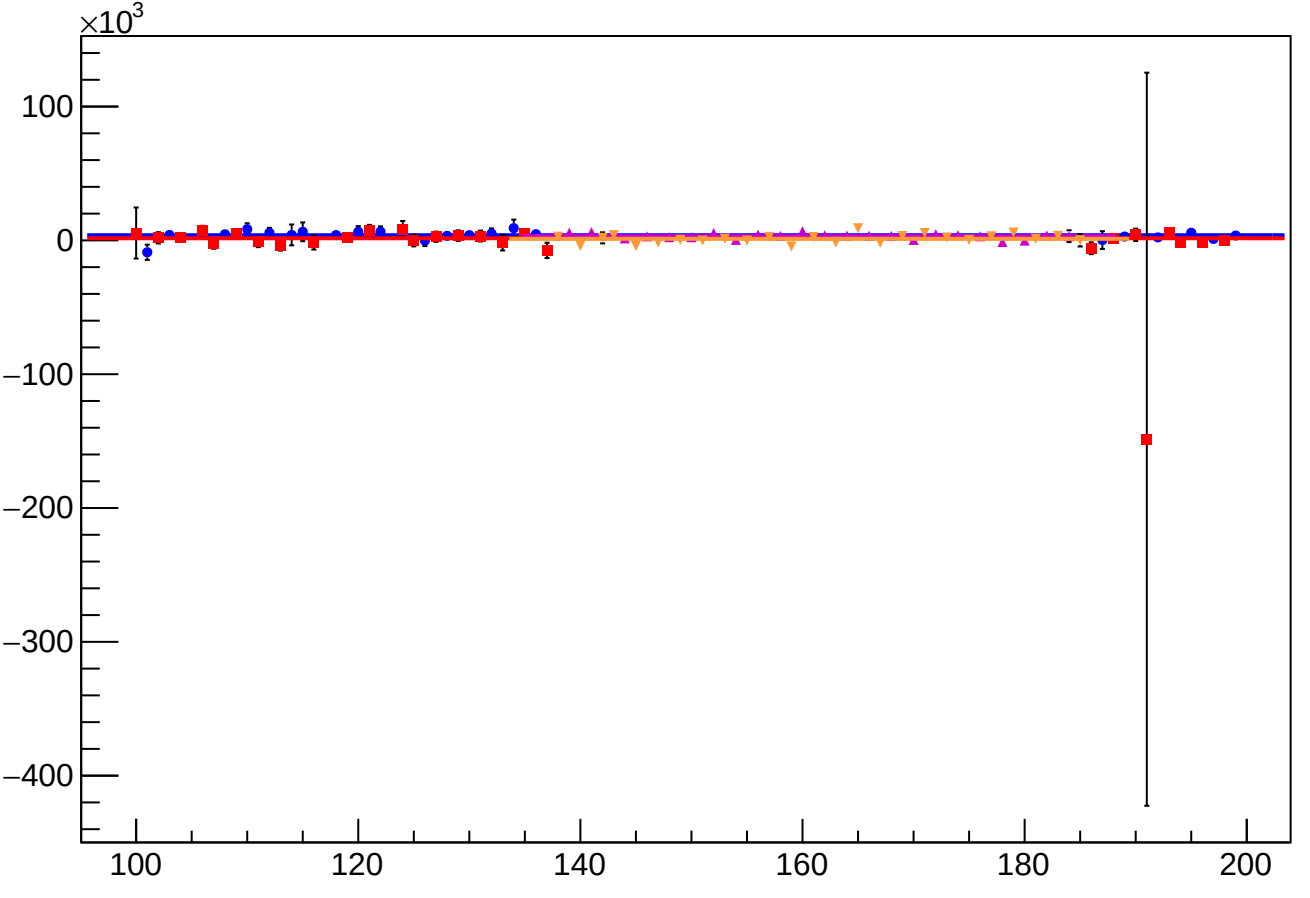
In: -231.636+/-1675.159 χ^2/NDF:36.9/44

Out: -885.336+/-1570.834 χ^2/NDF:54.7/51

All: -579.474+/-1145.855 χ^2/NDF: 91.6/96


asym_atr2_reg_correction_rms vs Slug, Sign Corrected
18000
16000
14000
12000
10000
8000
6000
4000
2000
100
120
140
160
180
200
Right In: 8983.047+/-1.979 χ²/NDF: 2299130.8/21
Left Out: 8759.635+/-1.440 χ²/NDF:1222238.0/24
Right Out: 7935.757+/-1.746 χ²/NDF: 4176933.4/26
Left In: 8764.138+/-1.478 χ²/NDF:1291698.9/22
Left: 8761.827+/-1.031 χ²/NDF: 2513941.7/47
Right: 8394.050+/-1.309 χ²/NDF: 6633513.3/48
In: 8842.536+/-1.185 χ²/NDF:3598680.9/44
Out: 8426.191+/-1.111 χ²/NDF:5531719.5/51
All: 8620.996+/-0.810 χ²/NDF: 9196139.4/96

cor_asym_atr2_mean vs Slug, Sign Corrected



Right In: 3852.921+/-779.603 χ^2/NDF: 10.9/21

Left Out: 1188.666+/-556.242 χ^2/NDF:31.1/24

Right Out: 1587.641+/-744.416 χ^2/NDF: 23.1/26

Left In: 3147.222+/-569.221 χ^2/NDF:12.7/22

Left: 2145.360+/-397.832 χ^2/NDF: 49.9/47

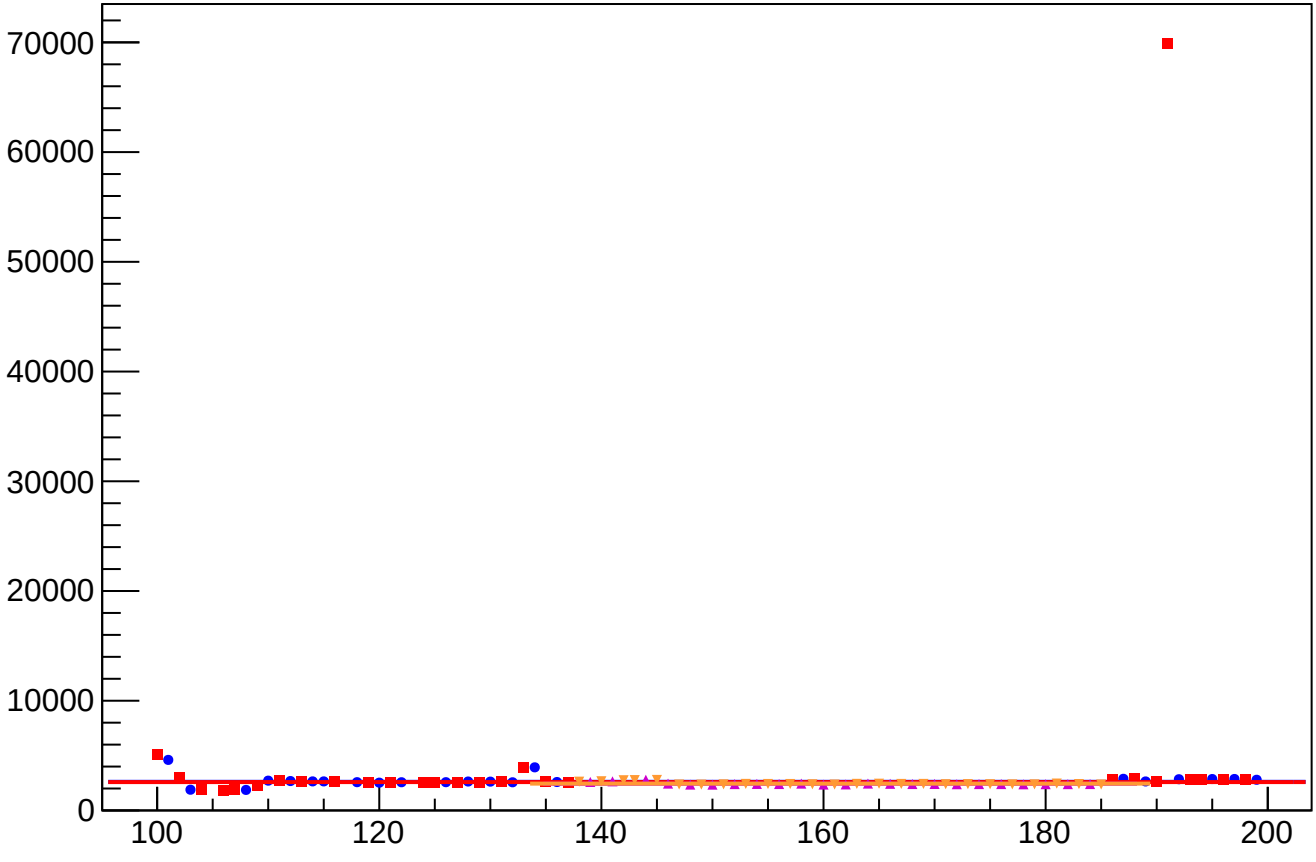
Right: 2668.008+/-538.392 χ^2/NDF: 38.5/48

In: 3392.615+/-459.722 χ^2/NDF:24.1/44

Out: 1331.615+/-445.588 χ^2/NDF:54.5/51

All: 2329.946+/-319.958 χ^2/NDF: 88.9/96

cor_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2609.882+/-0.551 χ^2/NDF: 686587.4/21

Left Out: 2445.826+/-0.393 χ^2/NDF:90014.8/24

Right Out: 2585.470+/-0.526 χ^2/NDF: 709255.7/26

Left In: 2435.950+/-0.403 χ^2/NDF:59189.9/22

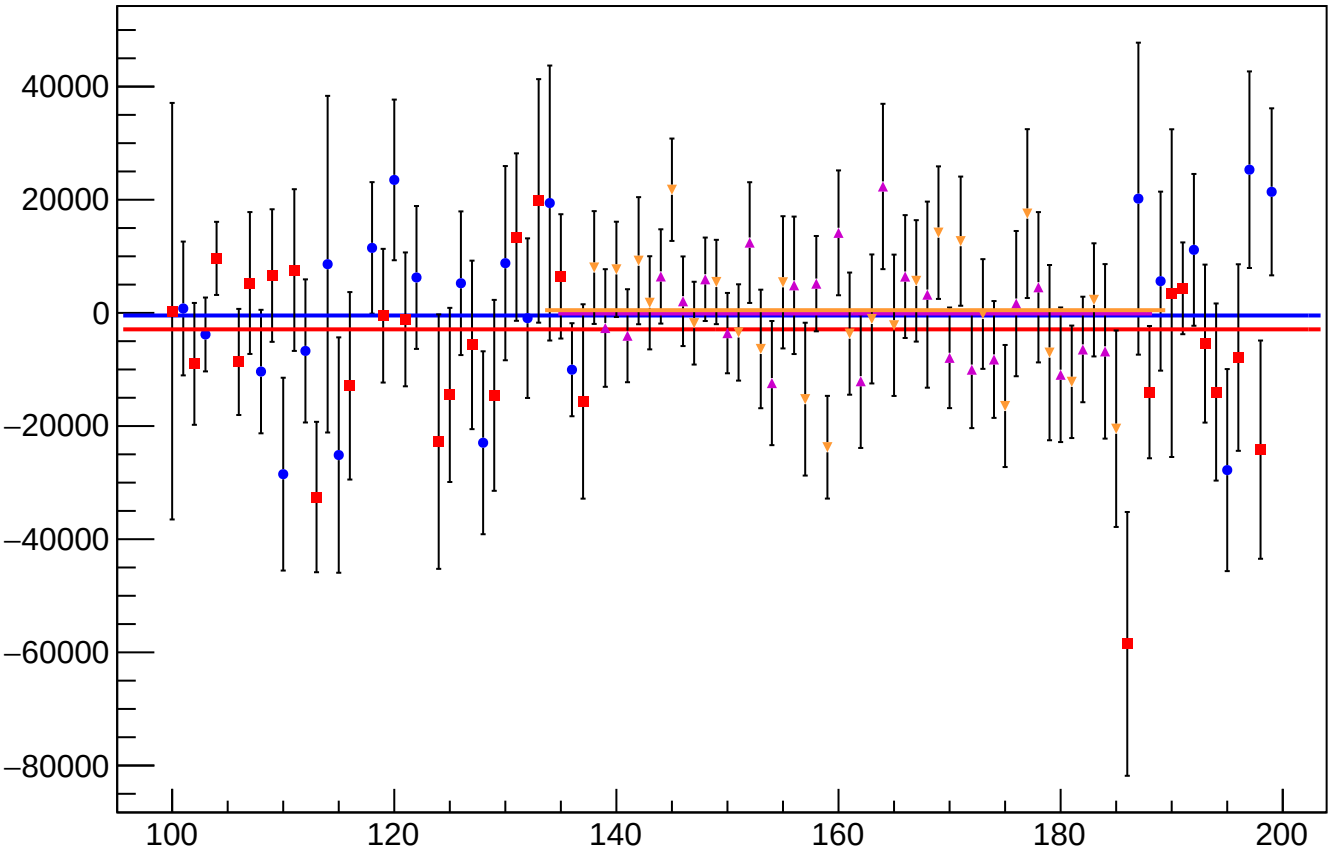
Left: 2441.002+/-0.281 χ^2/NDF: 149512.6/47

Right: 2597.113+/-0.381 χ^2/NDF: 1396868.9/48

In: 2496.432+/-0.325 χ^2/NDF:810710.9/44

Out: 2495.859+/-0.315 χ^2/NDF:844434.1/51

All: 2496.136+/-0.226 χ^2/NDF: 1655146.6/96



Right In: -458.350+/-2799.273 χ^2/NDF: 22.4/21

Left Out: 477.198+/-2035.967 χ^2/NDF:27.4/24

Right Out: -2907.742+/-2495.585 χ^2/NDF: 26.2/26

Left In: -105.025+/-2090.897 χ^2/NDF:14.5/22

Left: 193.835+/-1458.679 χ^2/NDF: 41.9/47

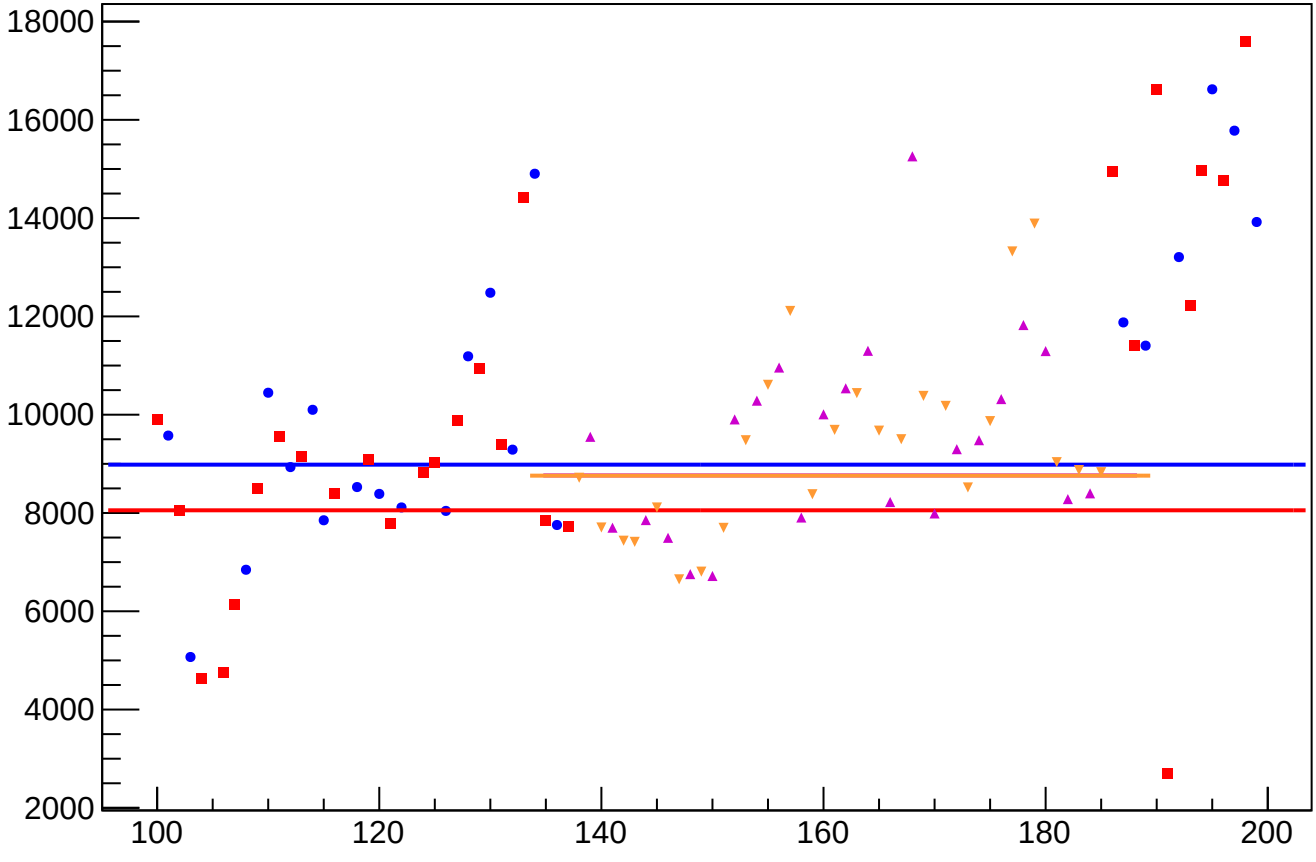
Right: -1823.070+/-1862.796 χ^2/NDF: 49.0/48

In: -231.558+/-1675.173 χ^2/NDF:36.9/44

Out: -875.446+/-1577.570 χ^2/NDF:54.7/51

All: -572.805+/-1148.466 χ^2/NDF: 91.7/96

asym_atr2_cor_correction_rms vs Slug, Sign Corrected



Right In: 8983.363+/-1.979 χ^2/NDF: 2298685.1/21

Left Out: 8759.625+/-1.440 χ^2/NDF:1222248.8/24

Right Out: 8054.553+/-1.765 χ^2/NDF: 3983463.9/26

Left In: 8764.132+/-1.478 χ^2/NDF:1291700.3/22

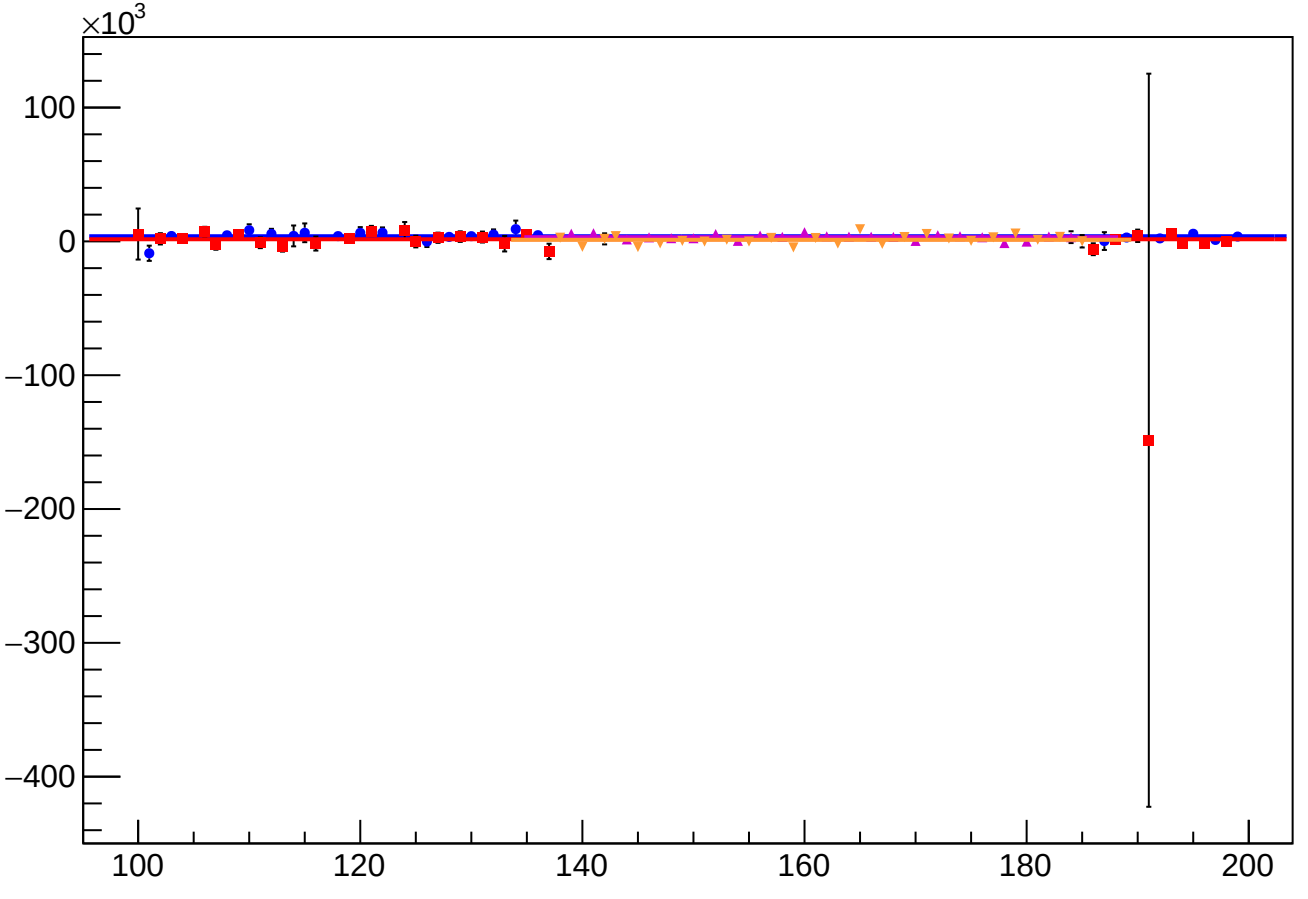
Left: 8761.819+/-1.031 χ^2/NDF: 2513953.9/47

Right: 8465.860+/-1.317 χ^2/NDF: 6404830.7/48

In: 8842.643+/-1.185 χ^2/NDF:3598259.5/44

Out: 8477.873+/-1.116 χ^2/NDF:5301562.0/51

All: 8649.323+/-0.812 χ^2/NDF: 8950079.9/96



Right In: 3852.921+/-779.603 χ^2/NDF: 10.9/21

Left Out: 1188.666+/-556.242 χ^2/NDF:31.1/24

Right Out: 1587.641+/-744.416 χ^2/NDF: 23.1/26

Left In: 3147.222+/-569.221 χ^2/NDF:12.7/22

Left: 2145.360+/-397.832 χ^2/NDF: 49.9/47

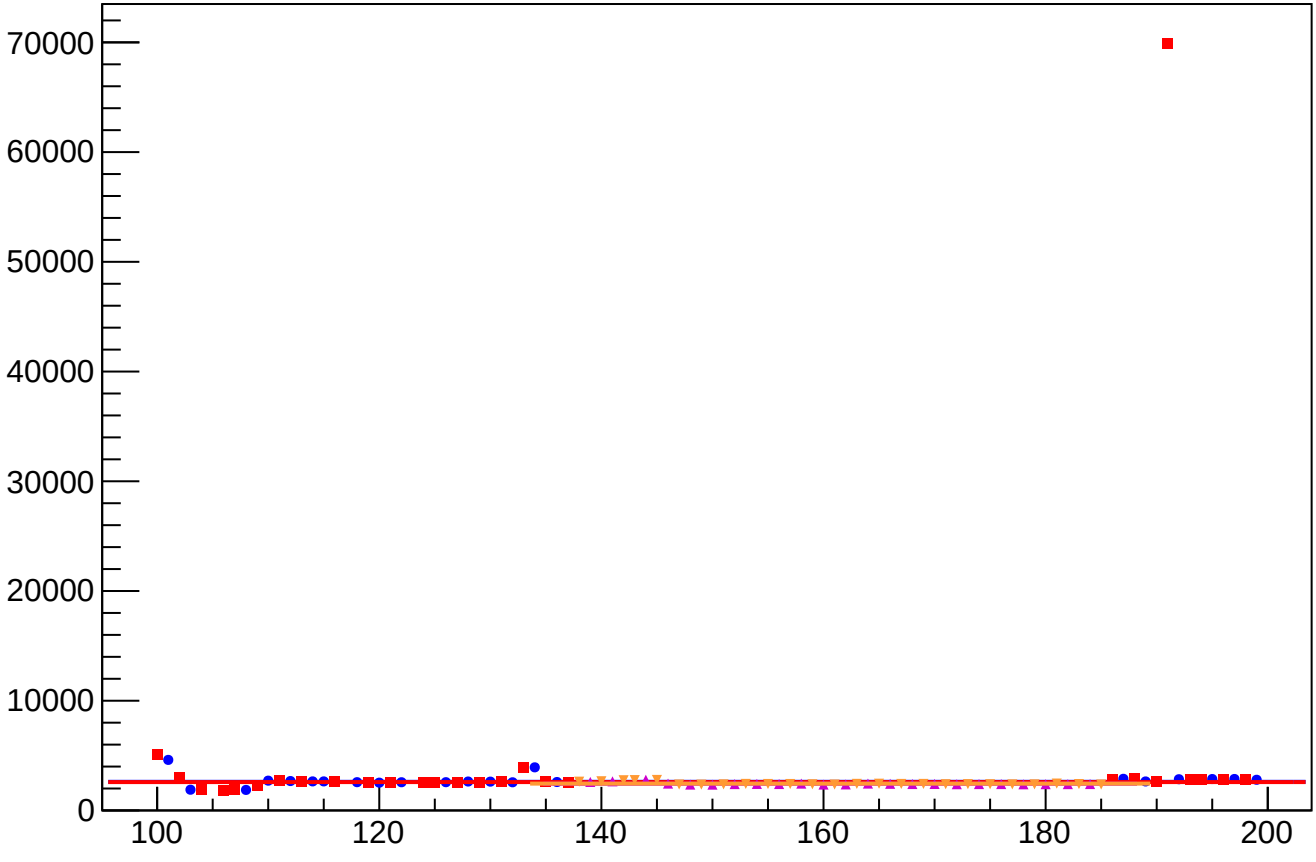
Right: 2668.008+/-538.392 χ^2/NDF: 38.5/48

In: 3392.615+/-459.722 χ^2/NDF:24.1/44

Out: 1331.615+/-445.588 χ^2/NDF:54.5/51

All: 2329.946+/-319.958 χ^2/NDF: 88.9/96

eigen_cor_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2609.882+/-0.551 χ^2/NDF: 686587.4/21

Left Out: 2445.826+/-0.393 χ^2/NDF:90014.8/24

Right Out: 2585.470+/-0.526 χ^2/NDF: 709255.7/26

Left In: 2435.950+/-0.403 χ^2/NDF:59189.9/22

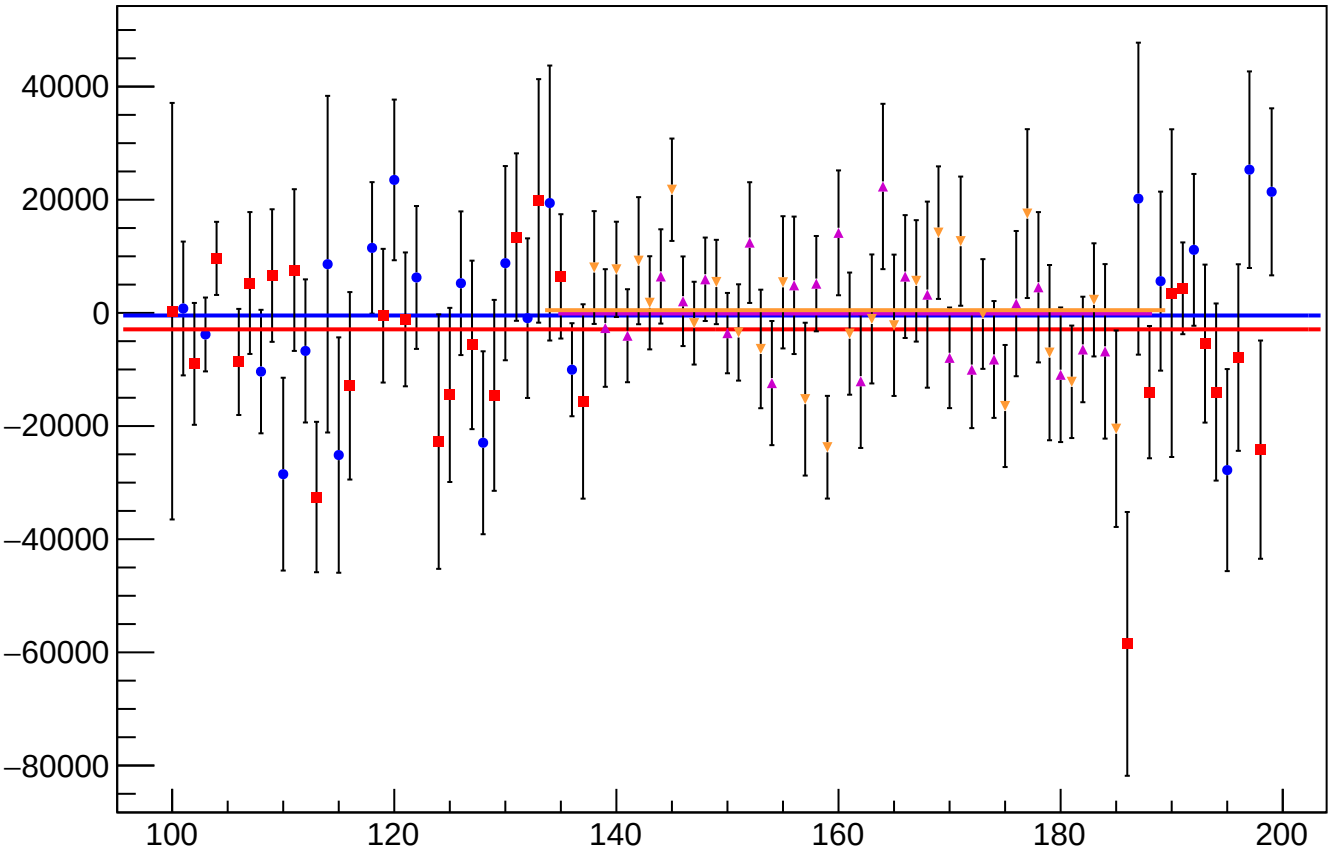
Left: 2441.002+/-0.281 χ^2/NDF: 149512.6/47

Right: 2597.113+/-0.381 χ^2/NDF: 1396868.9/48

In: 2496.432+/-0.325 χ^2/NDF:810710.9/44

Out: 2495.859+/-0.315 χ^2/NDF:844434.1/51

All: 2496.136+/-0.226 χ^2/NDF: 1655146.6/96



Right In: -458.350+/-2799.273 χ^2/NDF: 22.4/21

Left Out: 477.198+/-2035.967 χ^2/NDF:27.4/24

Right Out: -2907.742+/-2495.585 χ^2/NDF: 26.2/26

Left In: -105.025+/-2090.897 χ^2/NDF:14.5/22

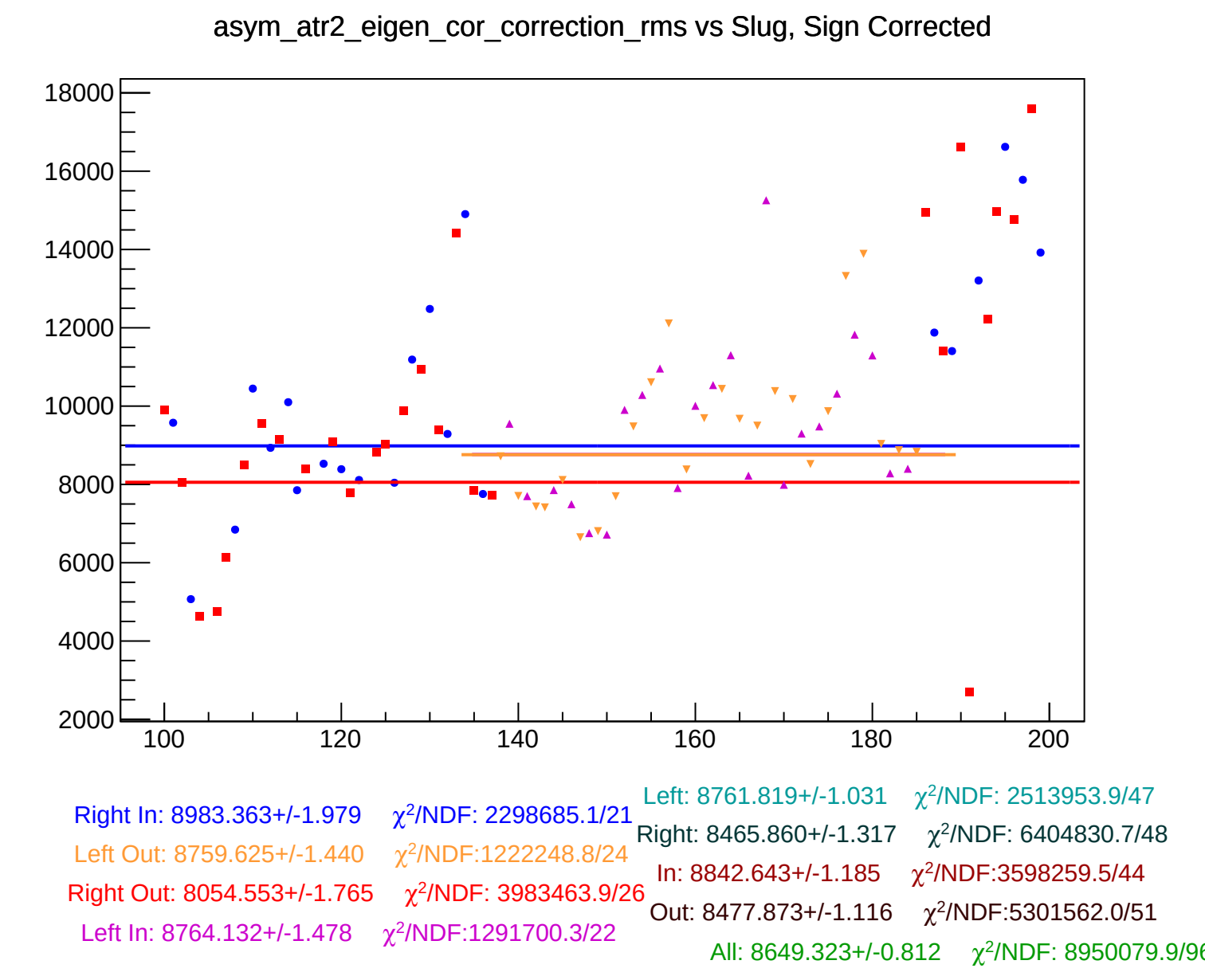
Left: 193.835+/-1458.679 χ^2/NDF: 41.9/47

Right: -1823.070+/-1862.796 χ^2/NDF: 49.0/48

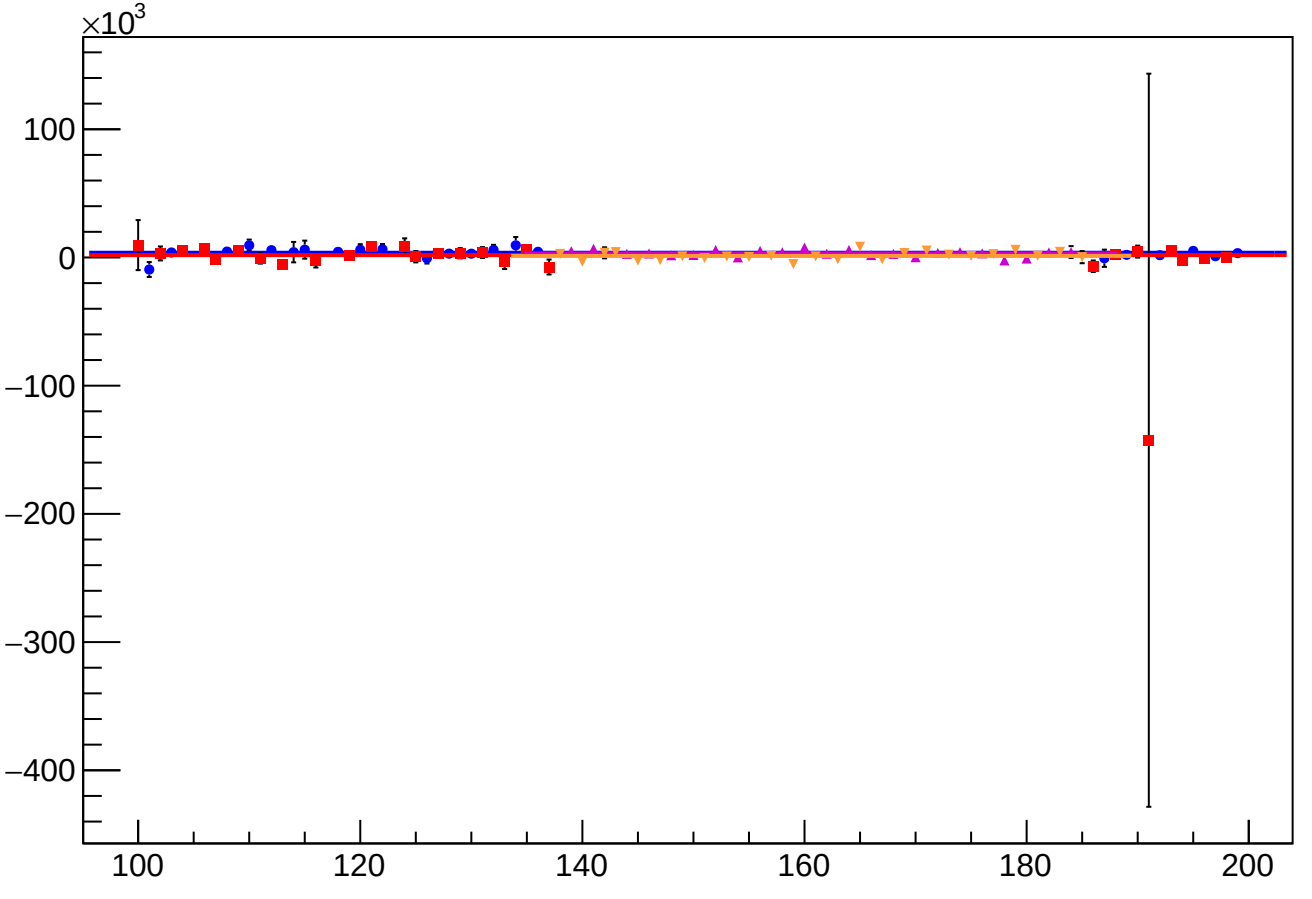
In: -231.558+/-1675.173 χ^2/NDF:36.9/44

Out: -875.446+/-1577.570 χ^2/NDF:54.7/51

All: -572.805+/-1148.466 χ^2/NDF: 91.7/96


asym_atr2_eigen_cor_correction_rms vs Slug, Sign Corrected
18000
16000
14000
12000
10000
8000
6000
4000
2000
100
120
140
160
180
200
Right In: 8983.363+/-1.979 χ²/NDF: 2298685.1/21
Left Out: 8759.625+/-1.440 χ²/NDF:1222248.8/24
Right Out: 8054.553+/-1.765 χ²/NDF: 3983463.9/26
Left In: 8764.132+/-1.478 χ²/NDF:1291700.3/22
Left: 8761.819+/-1.031 χ²/NDF: 2513953.9/47
Right: 8465.860+/-1.317 χ²/NDF: 6404830.7/48
In: 8842.643+/-1.185 χ²/NDF:3598259.5/44
Out: 8477.873+/-1.116 χ²/NDF:5301562.0/51
All: 8649.323+/-0.812 χ²/NDF: 8950079.9/96

dit_asym_atr2_mean vs Slug, Sign Corrected



Right In: 3692.101+/-807.126 χ^2/NDF: 12.3/21

Left Out: 1213.875+/-579.693 χ^2/NDF:26.8/24

Right Out: 1828.427+/-772.723 χ^2/NDF: 26.5/26

Left In: 3150.265+/-592.116 χ^2/NDF:16.5/22

Left: 2161.543+/-414.227 χ^2/NDF: 48.7/47

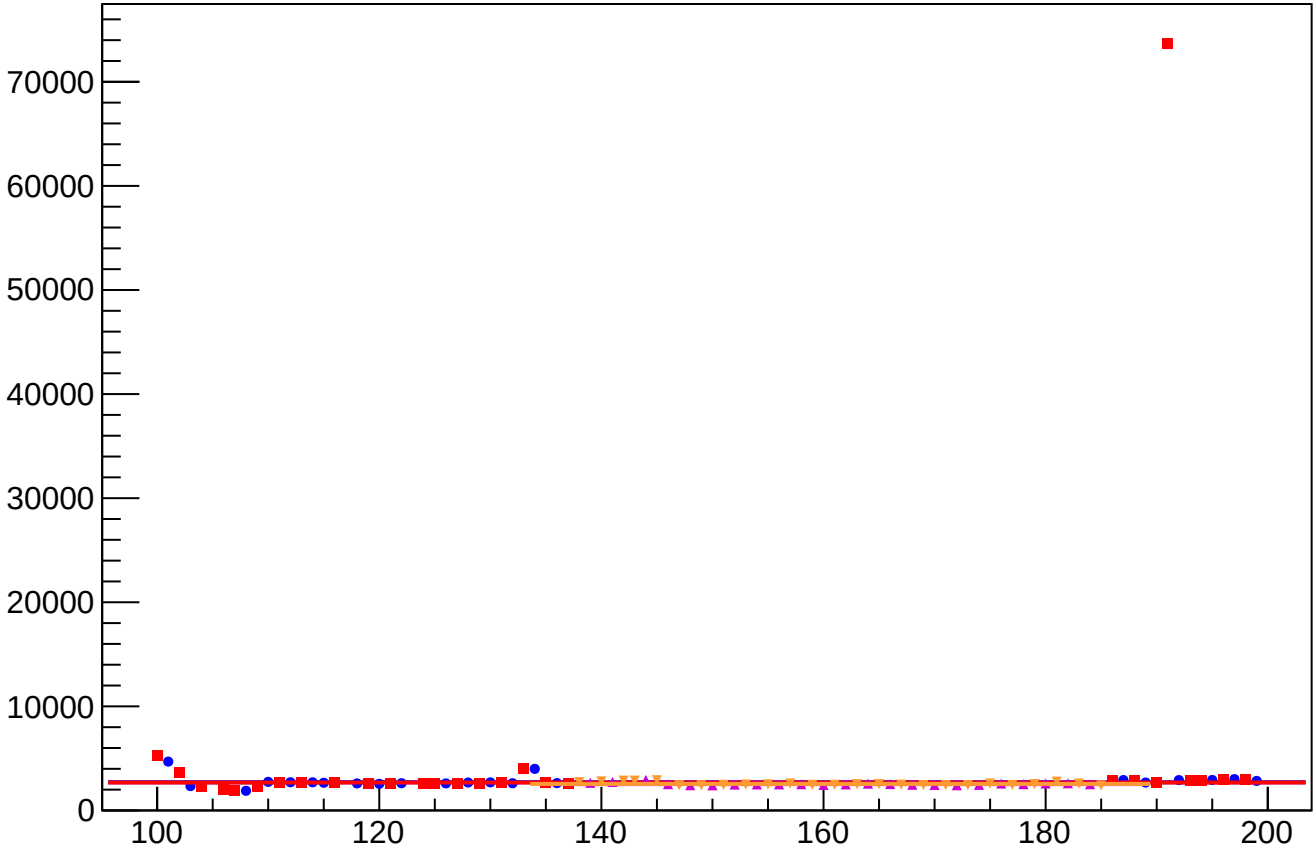
Right: 2719.700+/-558.164 χ^2/NDF: 41.6/48

In: 3339.845+/-477.422 χ^2/NDF:29.1/44

Out: 1435.188+/-463.711 χ^2/NDF:53.7/51

All: 2359.773+/-332.635 χ^2/NDF: 91.0/96

dit_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2709.970+/-0.571 χ^2/NDF: 543929.9/21

Left Out: 2547.154+/-0.410 χ^2/NDF:117298.5/24

Right Out: 2682.796+/-0.546 χ^2/NDF: 620782.8/26

Left In: 2532.772+/-0.419 χ^2/NDF:68441.1/22

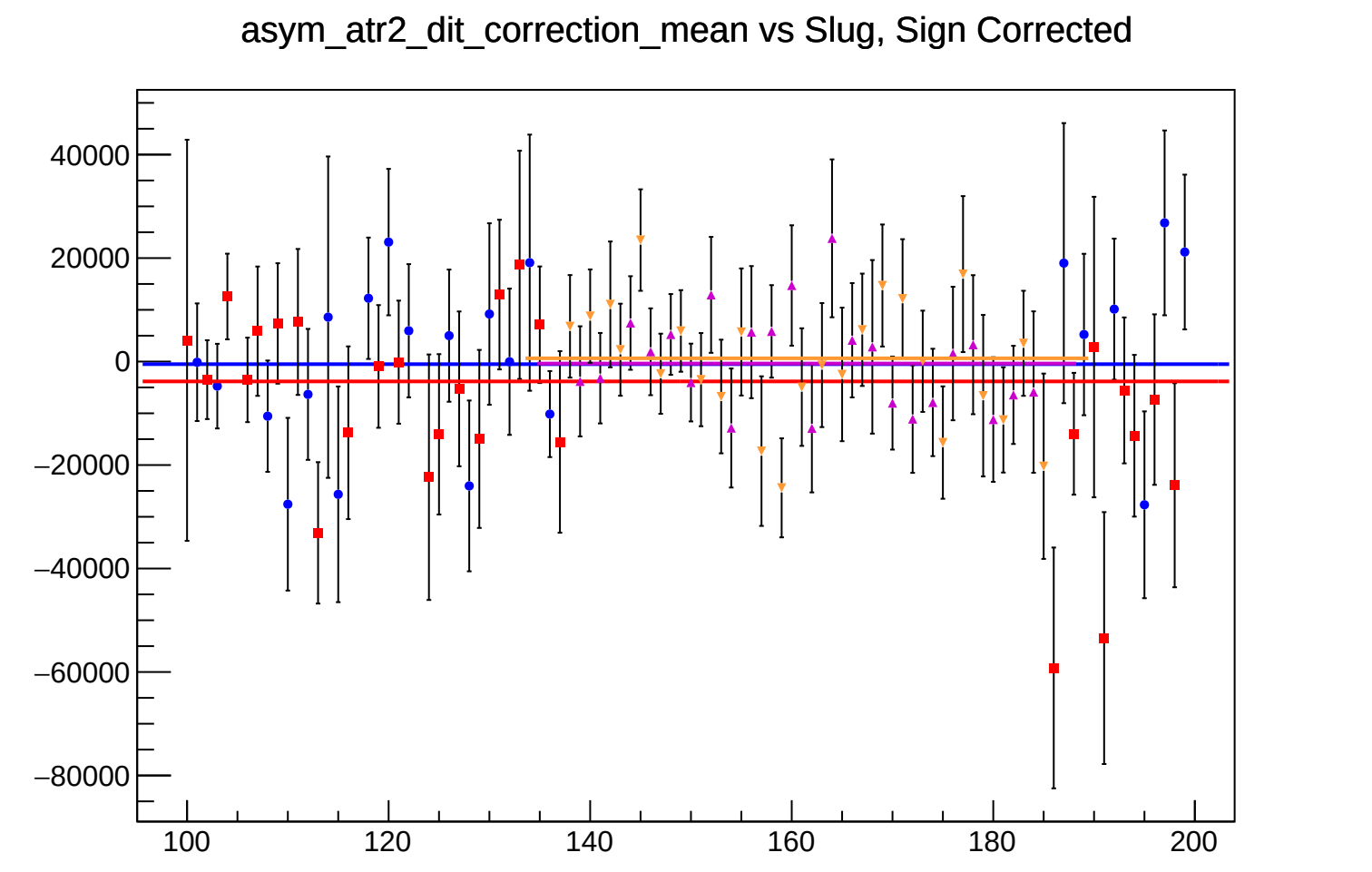
Left: 2540.116+/-0.293 χ^2/NDF: 186342.1/47

Right: 2695.786+/-0.395 χ^2/NDF: 1165896.0/48

In: 2594.771+/-0.338 χ^2/NDF:675040.5/44

Out: 2596.025+/-0.328 χ^2/NDF:777533.7/51

All: 2595.416+/-0.235 χ^2/NDF: 1452581.3/96



Right In: -501.479+/-2905.111 χ^2/NDF: 22.2/21

Left Out: 631.360+/-2123.101 χ^2/NDF:26.7/24

Right Out: -3834.508+/-2595.308 χ^2/NDF: 28.7/26

Left In: -377.922+/-2176.347 χ^2/NDF:14.2/22

Left: 139.216+/-1519.735 χ^2/NDF: 41.0/47

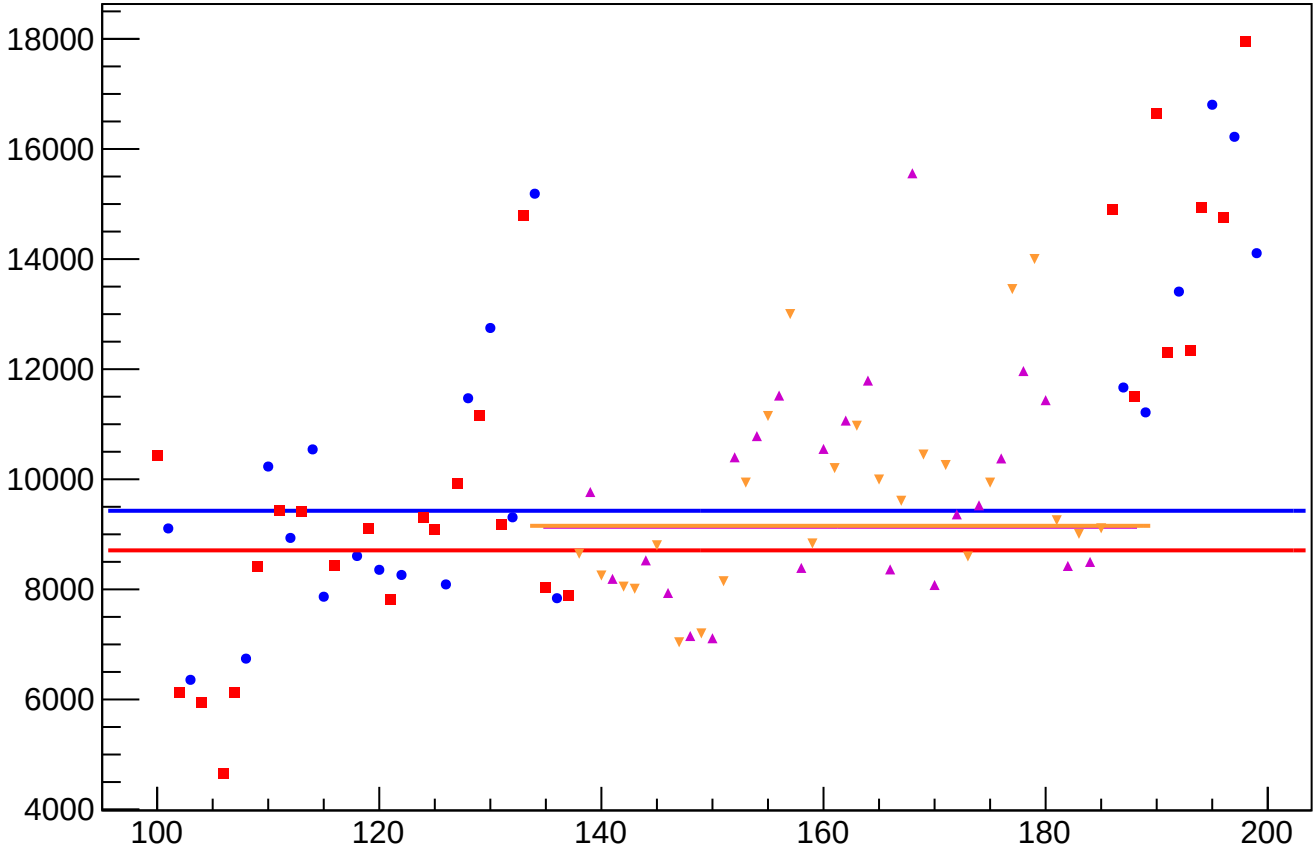
Right: -2355.128+/-1935.455 χ^2/NDF: 51.6/48

In: -422.338+/-1741.793 χ^2/NDF:36.5/44

Out: -1159.073+/-1643.293 χ^2/NDF:57.1/51

All: -812.125+/-1195.289 χ^2/NDF: 93.6/96

asym_atr2_dit_correction_rms vs Slug, Sign Corrected



Right In: 9427.817+/-2.054 χ^2/NDF: 1802527.0/21

Left Out: 9154.688+/-1.501 χ^2/NDF:1072073.9/24

Right Out: 8708.600+/-1.835 χ^2/NDF: 2889637.6/26

Left In: 9137.576+/-1.539 χ^2/NDF:1172792.2/22

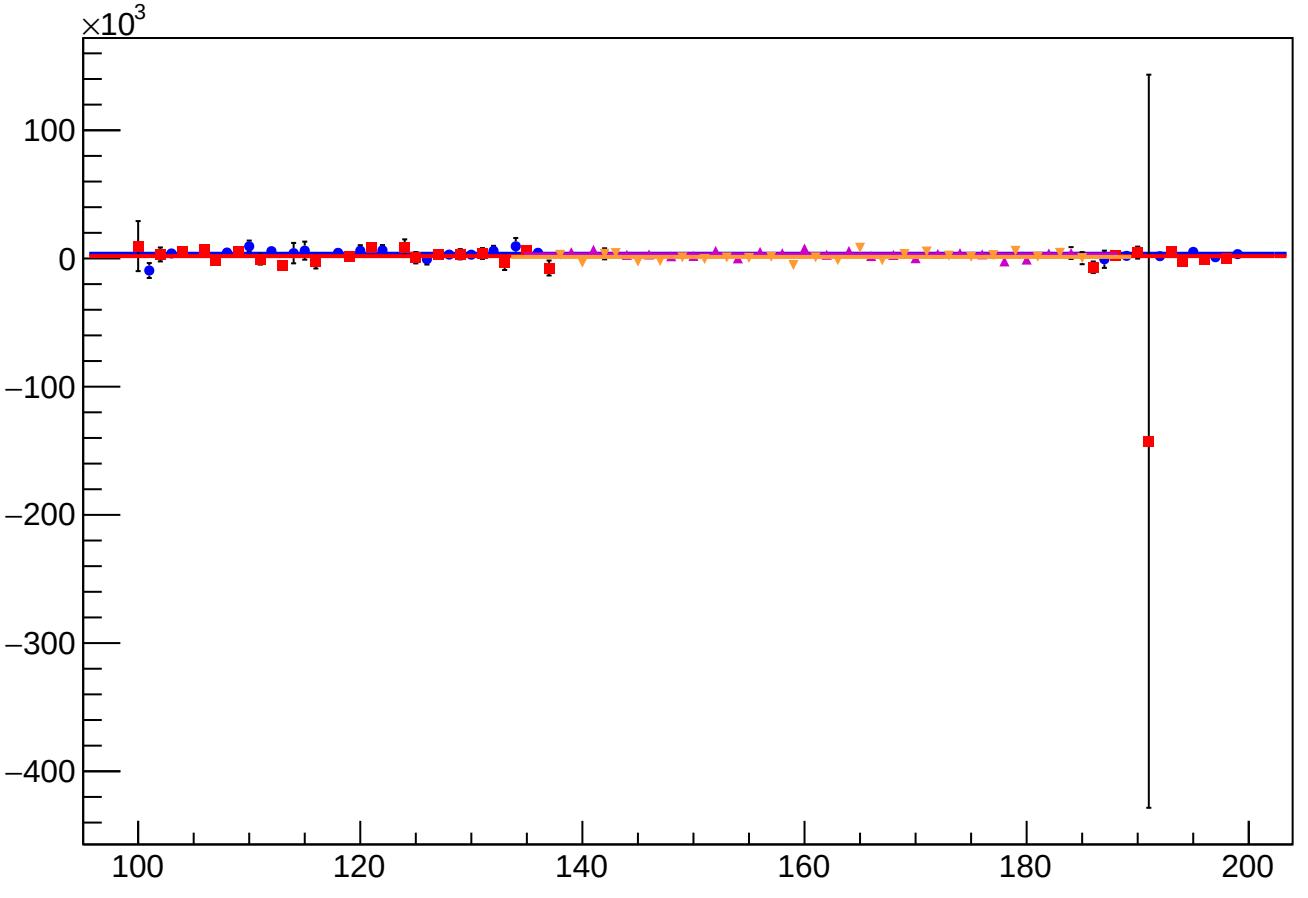
Left: 9146.344+/-1.075 χ^2/NDF: 2244929.5/47

Right: 9027.828+/-1.369 χ^2/NDF: 4760337.6/48

In: 9241.910+/-1.232 χ^2/NDF:2988105.9/44

Out: 8975.845+/-1.162 χ^2/NDF:3997109.8/51

All: 9101.142+/-0.845 χ^2/NDF: 7009906.2/96



Right In: 3692.106+/-807.126 χ^2/NDF: 12.3/21

Left Out: 1213.864+/-579.693 χ^2/NDF:26.8/24

Right Out: 1828.431+/-772.723 χ^2/NDF: 26.5/26

Left In: 3150.264+/-592.117 χ^2/NDF:16.5/22

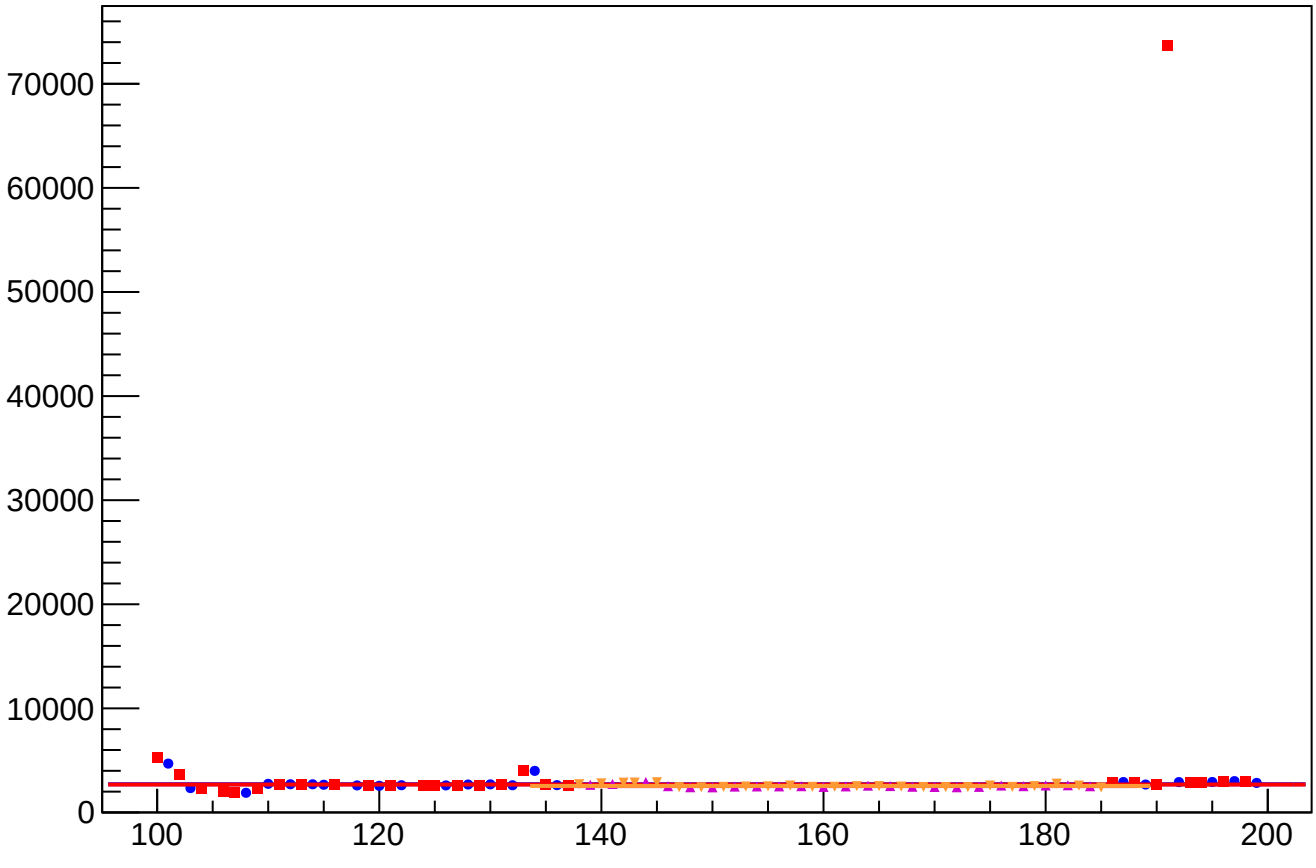
Left: 2161.537+/-414.228 χ^2/NDF: 48.7/47

Right: 2719.704+/-558.164 χ^2/NDF: 41.6/48

In: 3339.846+/-477.423 χ^2/NDF:29.1/44

Out: 1435.182+/-463.711 χ^2/NDF:53.7/51

All: 2359.771+/-332.635 χ^2/NDF: 91.0/96



Right In: 2709.969+/-0.571 χ^2/NDF: 543930.4/21

Left Out: 2547.156+/-0.410 χ^2/NDF:117298.5/24

Right Out: 2682.795+/-0.546 χ^2/NDF: 620782.5/26

Left In: 2532.774+/-0.419 χ^2/NDF:68440.8/22

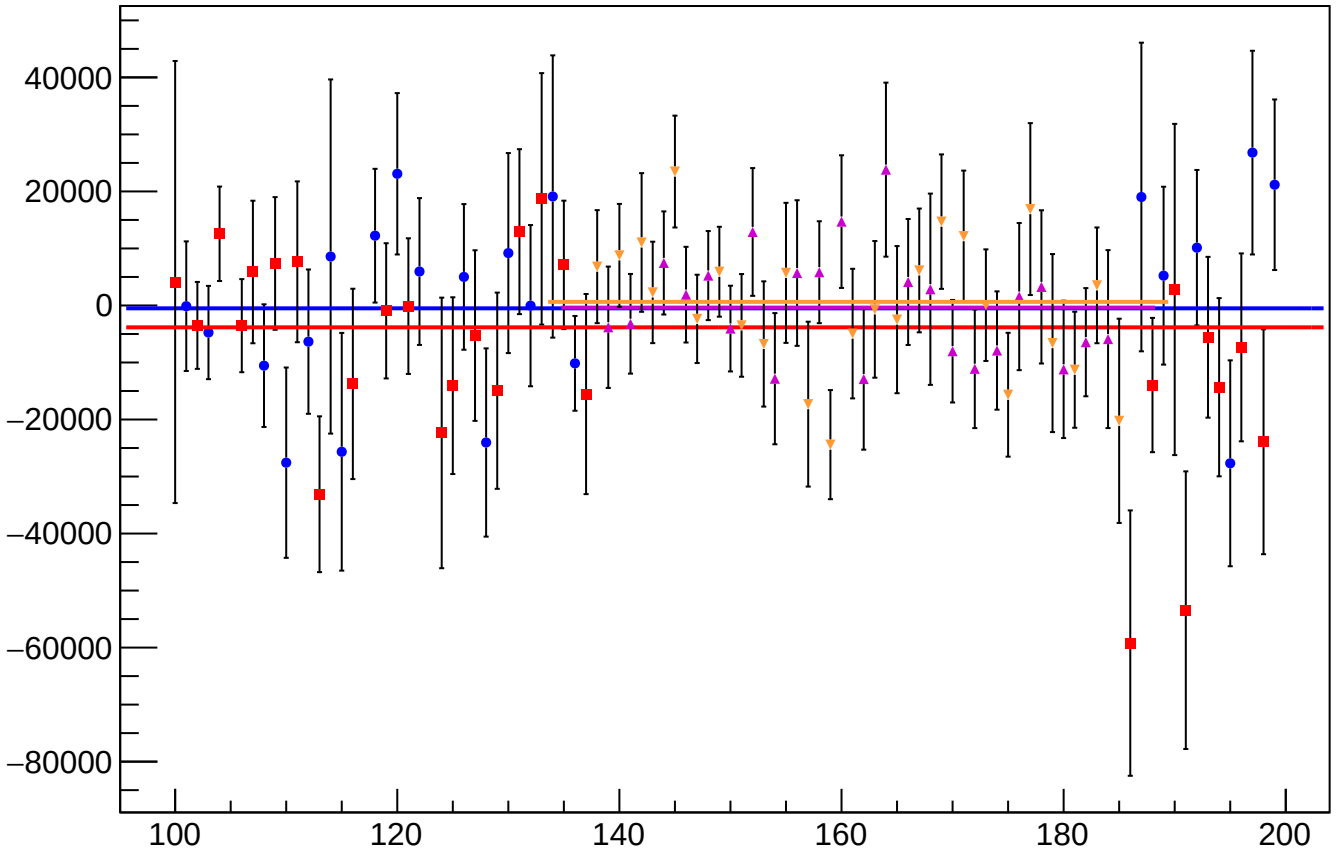
Left: 2540.117+/-0.293 χ^2/NDF: 186341.7/47

Right: 2695.786+/-0.395 χ^2/NDF: 1165896.1/48

In: 2594.772+/-0.338 χ^2/NDF:675038.9/44

Out: 2596.026+/-0.328 χ^2/NDF:777532.4/51

All: 2595.417+/-0.235 χ^2/NDF: 1452578.4/96



Right In: -501.456+/-2905.108 χ^2/NDF: 22.2/21

Left Out: 631.356+/-2123.104 χ^2/NDF:26.7/24

Right Out: -3834.495+/-2595.304 χ^2/NDF: 28.7/26

Left In: -377.927+/-2176.350 χ^2/NDF:14.2/22

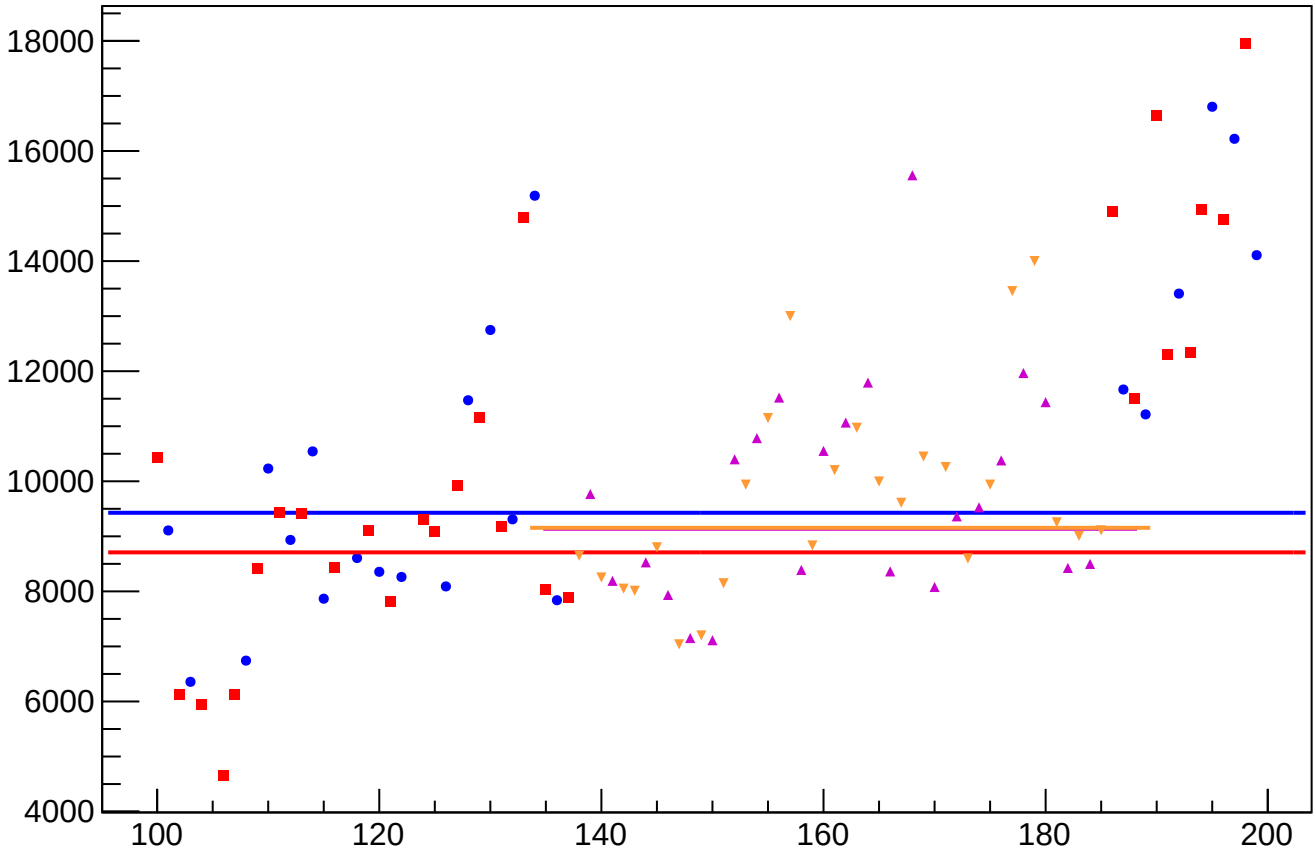
Left: 139.212+/-1519.737 χ^2/NDF: 41.0/47

Right: -2355.111+/-1935.453 χ^2/NDF: 51.6/48

In: -422.333+/-1741.794 χ^2/NDF:36.5/44

Out: -1159.076+/-1643.293 χ^2/NDF:57.1/51

All: -812.124+/-1195.290 χ^2/NDF: 93.6/96



Right In: 9427.808+/-2.054 χ^2/NDF: 1802531.0/21

Left Out: 9154.703+/-1.501 χ^2/NDF:1072075.9/24

Right Out: 8708.588+/-1.835 χ^2/NDF: 2889642.9/26

Left In: 9137.590+/-1.539 χ^2/NDF:1172796.0/22

Left: 9146.358+/-1.075 χ^2/NDF: 2244935.3/47

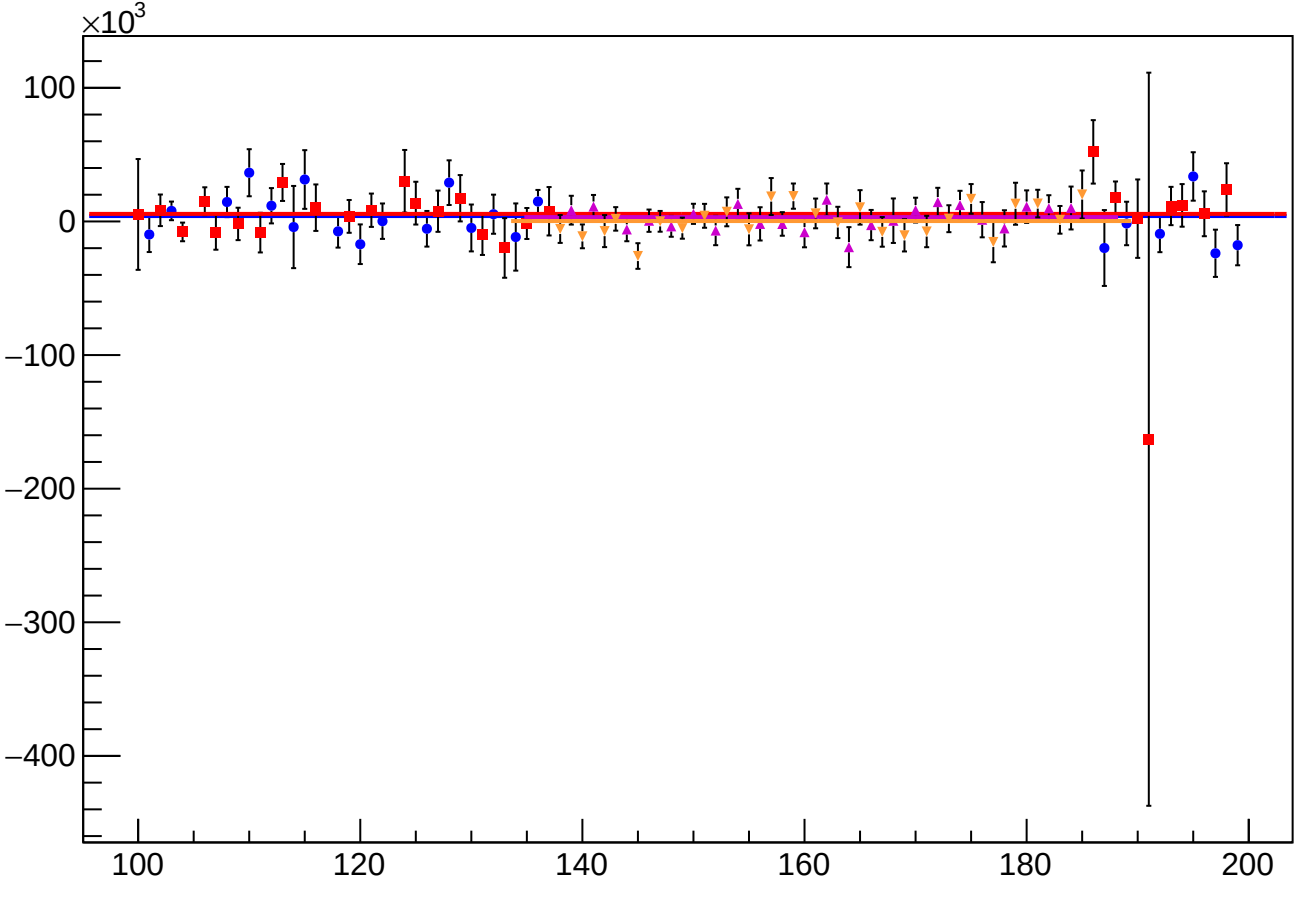
Right: 9027.817+/-1.369 χ^2/NDF: 4760347.7/48

In: 9241.916+/-1.232 χ^2/NDF:2988111.7/44

Out: 8975.848+/-1.162 χ^2/NDF:3997121.3/51

All: 9101.147+/-0.845 χ^2/NDF: 7009924.0/96

asym_atr2_mean vs Slug, Sign Corrected



Right In: 4035.638+/-2932.836 χ^2/NDF: 24.6/21

Left Out: 295.038+/-2125.383 χ^2/NDF:26.3/24

Right Out: 5649.401+/-2763.507 χ^2/NDF: 21.0/26

Left In: 3233.667+/-2179.845 χ^2/NDF:13.6/22

Left: 1727.184+/-1521.763 χ^2/NDF: 40.8/47

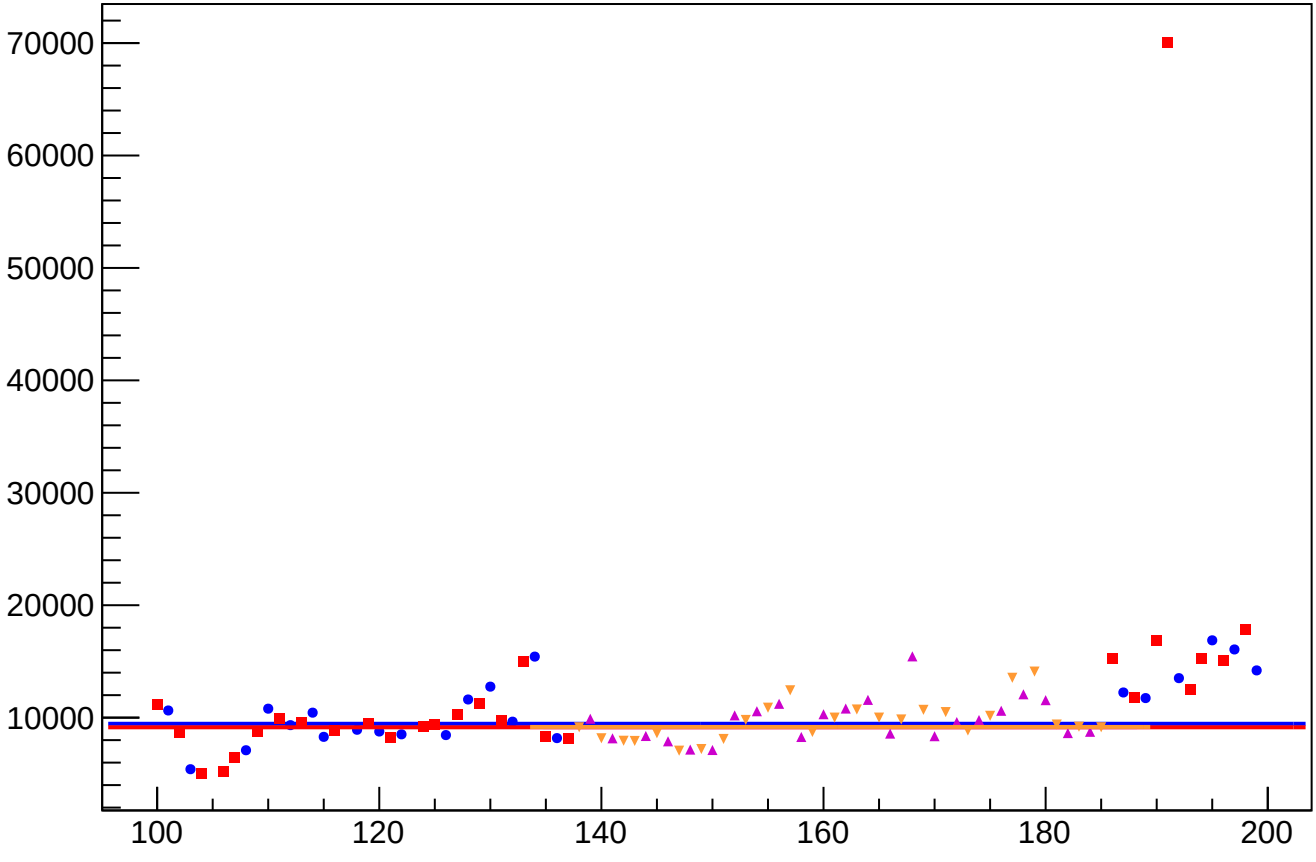
Right: 4890.447+/-2011.293 χ^2/NDF: 45.7/48

In: 3519.046+/-1749.524 χ^2/NDF:38.2/44

Out: 2285.047+/-1684.745 χ^2/NDF:49.7/51

All: 2878.779+/-1213.550 χ^2/NDF: 88.1/96

asym_atr2_rms vs Slug, Sign Corrected



Right In: 9454.667+/-2.074 χ^2/NDF: 2132286.6/21

Left Out: 9172.826+/-1.503 χ^2/NDF:1056946.9/24

Right Out: 9139.922+/-1.954 χ^2/NDF: 2838763.6/26

Left In: 9162.276+/-1.541 χ^2/NDF:1127533.4/22

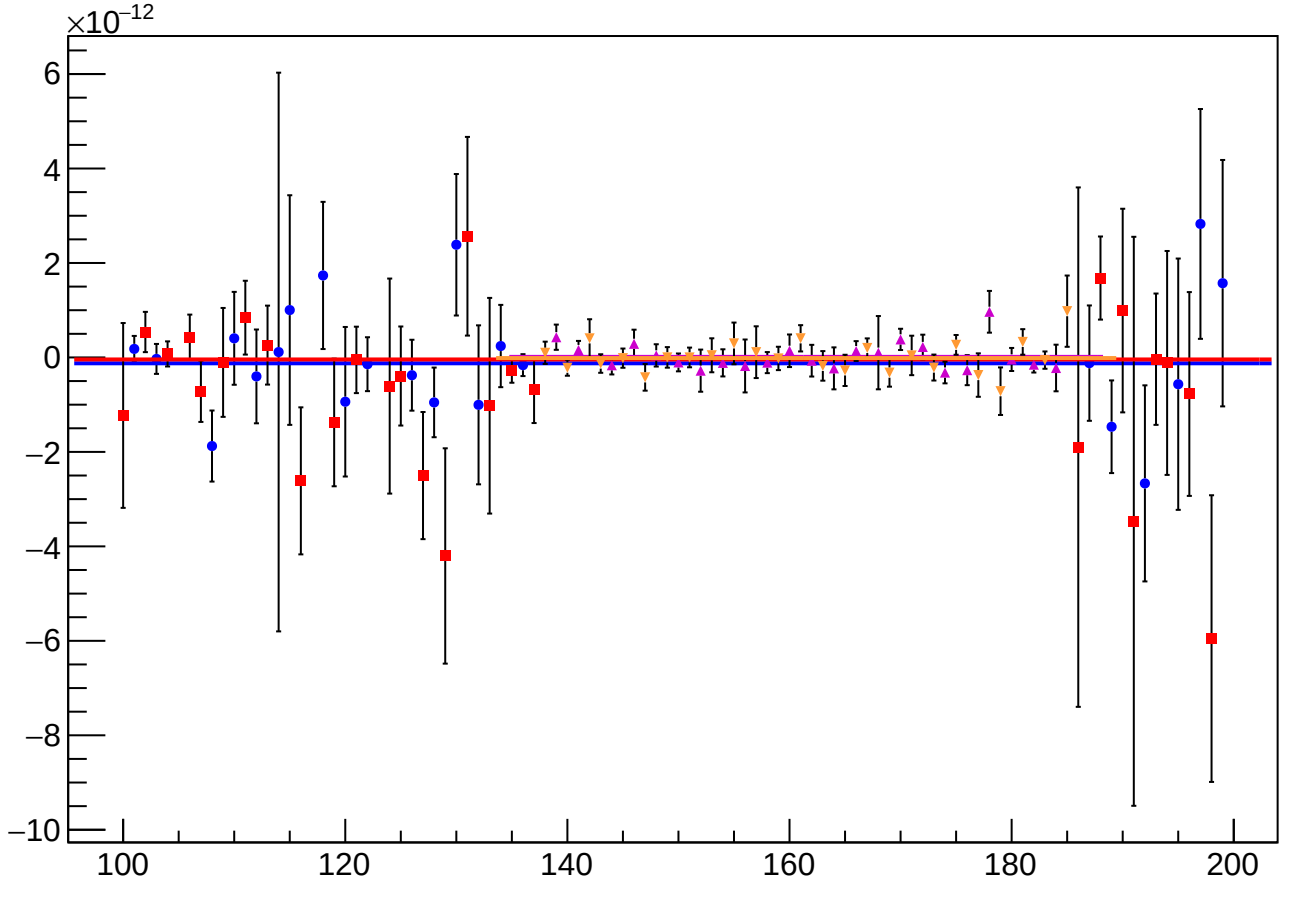
Left: 9167.685+/-1.076 χ^2/NDF: 2184504.3/47

Right: 9287.943+/-1.422 χ^2/NDF: 4983251.7/48

In: 9266.323+/-1.237 χ^2/NDF:3272624.8/44

Out: 9160.596+/-1.191 χ^2/NDF:3895888.6/51

All: 9211.466+/-0.858 χ^2/NDF: 7172303.1/96



Right In: -0.000+/-0.000 χ^2/NDF: 19.0/21

Left Out: -0.000+/-0.000 χ^2/NDF:19.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 28.1/26

Left In: 0.000+/-0.000 χ^2/NDF:19.2/22

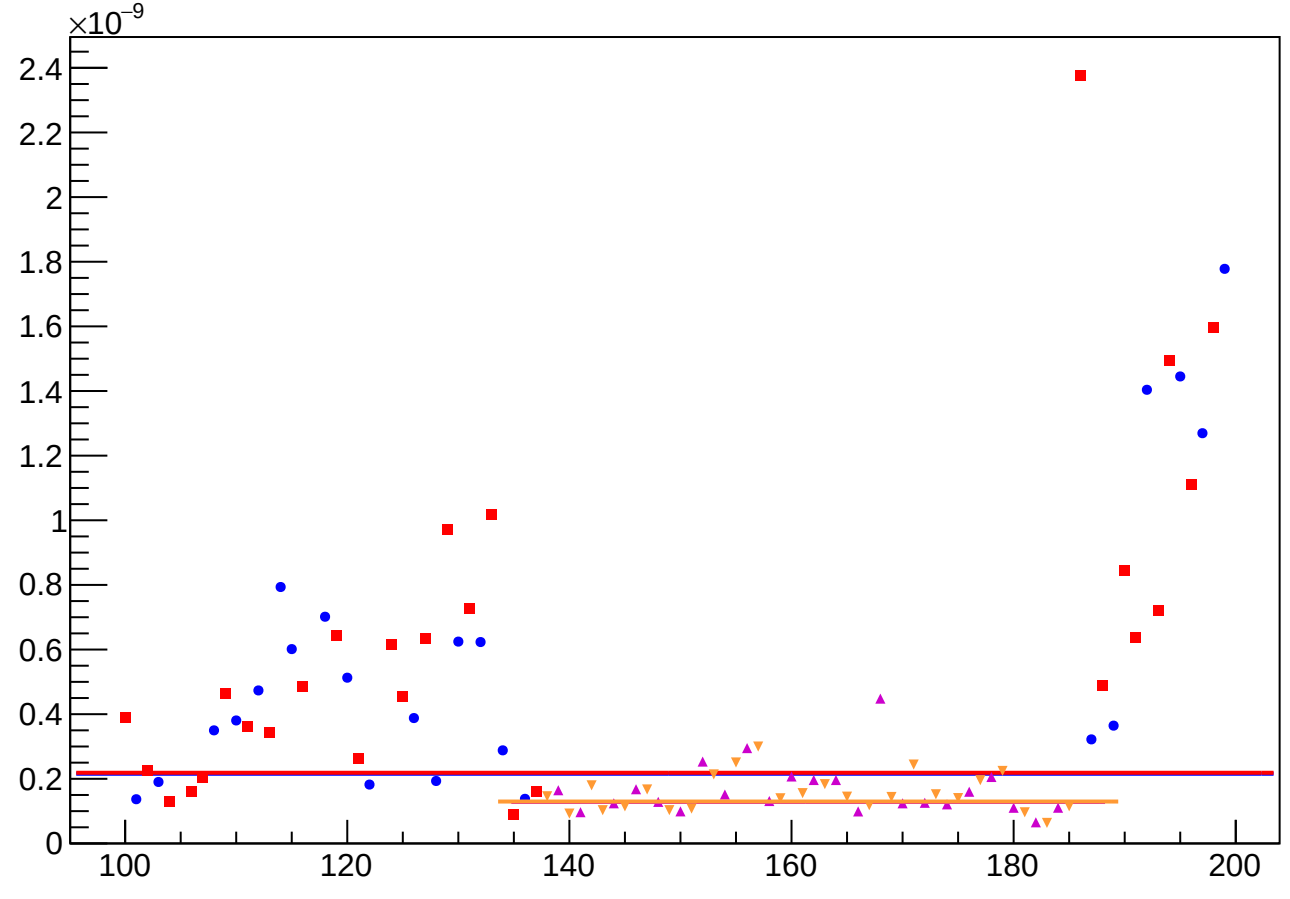
Left: -0.000+/-0.000 χ^2/NDF: 38.7/47

Right: -0.000+/-0.000 χ^2/NDF: 47.2/48

In: -0.000+/-0.000 χ^2/NDF:39.0/44

Out: -0.000+/-0.000 χ^2/NDF:47.5/51

All: -0.000+/-0.000 χ^2/NDF: 86.6/96



Right In: 0.000+/-0.000 χ^2/NDF: 3620911.6/21

Left Out: 0.000+/-0.000 χ^2/NDF:1390522.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4410357.3/26

Left In: 0.000+/-0.000 χ^2/NDF:1516080.8/22

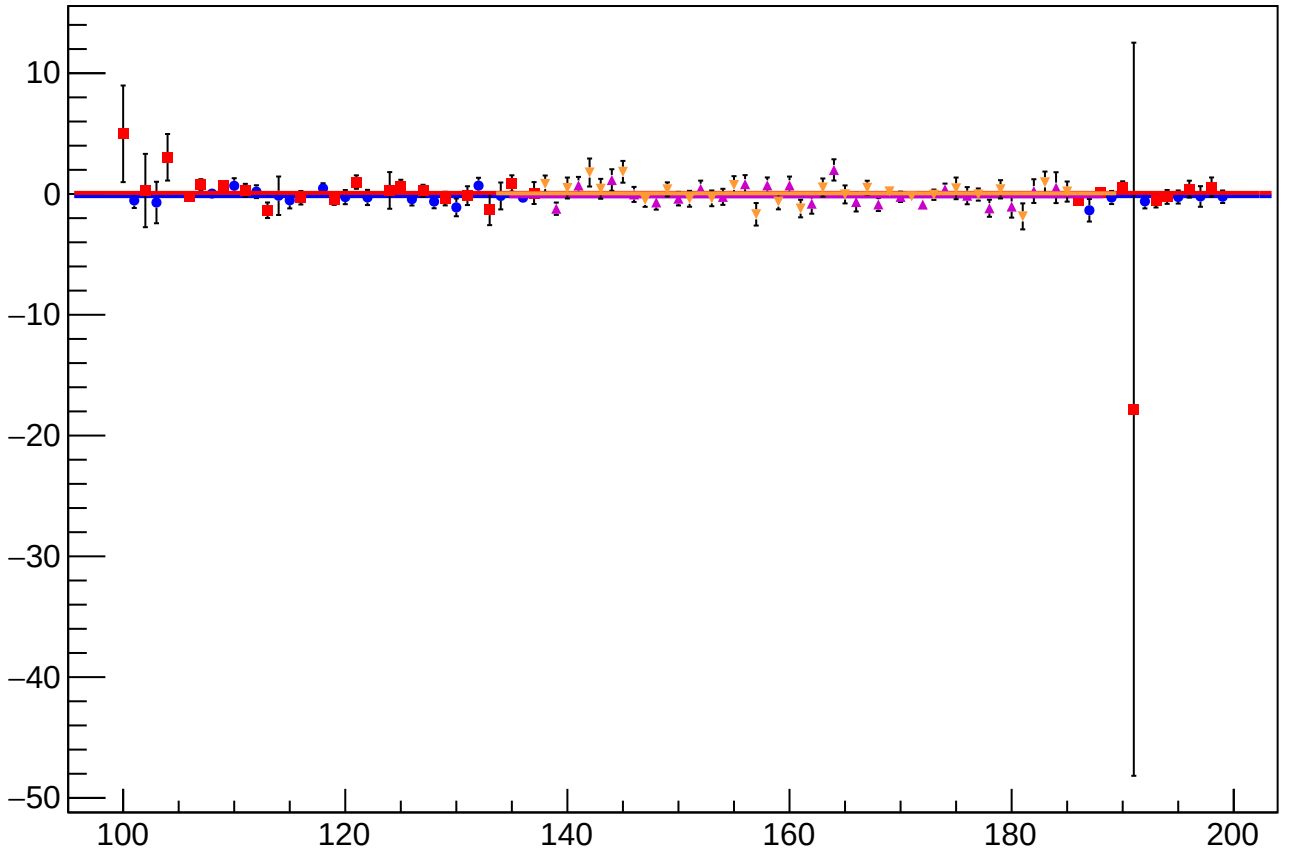
Left: 0.000+/-0.000 χ^2/NDF: 2907331.7/47

Right: 0.000+/-0.000 χ^2/NDF: 8031808.8/48

In: 0.000+/-0.000 χ^2/NDF:5890730.9/44

Out: 0.000+/-0.000 χ^2/NDF:6547127.4/51

All: 0.000+/-0.000 χ^2/NDF: 12437882.6/96



Right In: -0.178+/-0.125 χ^2/NDF: 12.1/21

Left Out: 0.054+/-0.130 χ^2/NDF:24.7/24

Right Out: 0.093+/-0.102 χ^2/NDF: 31.4/26

Left In: -0.191+/-0.133 χ^2/NDF:31.1/22

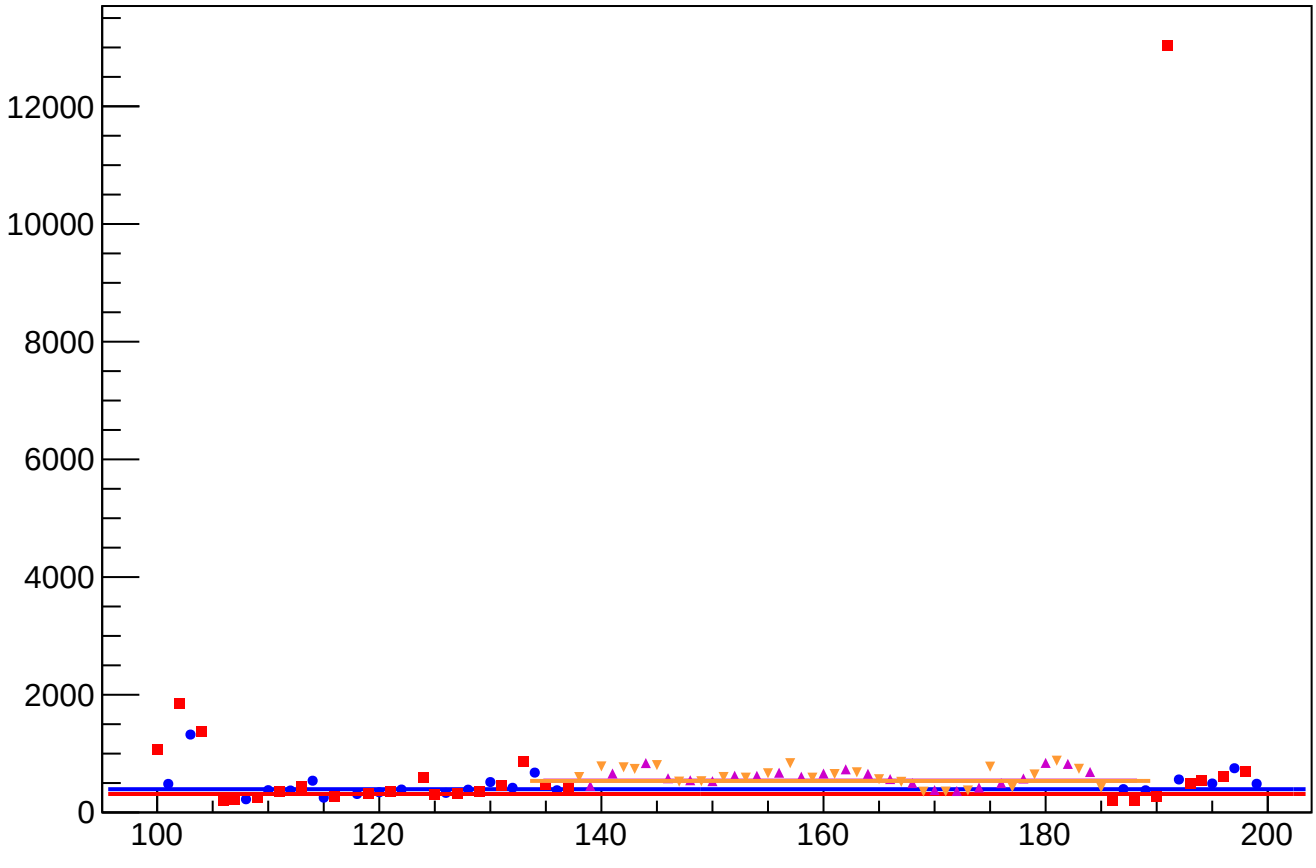
Left: -0.065+/-0.093 χ^2/NDF: 57.6/47

Right: -0.015+/-0.079 χ^2/NDF: 46.3/48

In: -0.184+/-0.091 χ^2/NDF:43.3/44

Out: 0.078+/-0.080 χ^2/NDF:56.1/51

All: -0.036+/-0.060 χ^2/NDF: 104.1/96



Right In: 395.197+/-0.089 χ^2/NDF: 2120296.7/21

Left Out: 535.943+/-0.092 χ^2/NDF:2749736.4/24

Right Out: 313.752+/-0.072 χ^2/NDF: 4724753.0/26

Left In: 540.804+/-0.094 χ^2/NDF:1904998.0/22

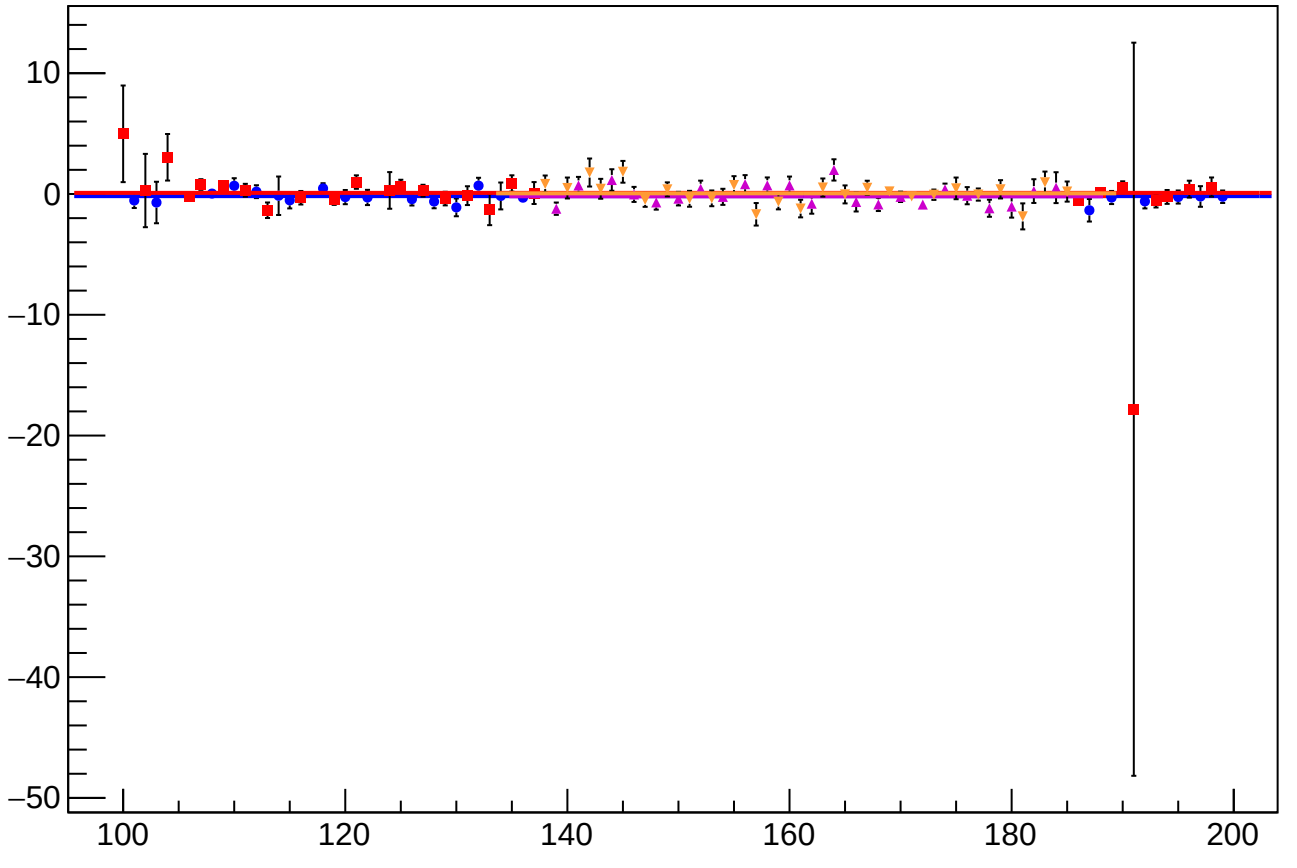
Left: 538.306+/-0.066 χ^2/NDF: 4656104.0/47

Right: 346.245+/-0.056 χ^2/NDF: 7353427.4/48

In: 463.556+/-0.065 χ^2/NDF:5294454.0/44

Out: 398.856+/-0.057 χ^2/NDF:11107034.2/51

All: 427.042+/-0.043 χ^2/NDF: 16969294.9/96



Right In: -0.178+/-0.125 χ^2/NDF: 12.1/21

Left Out: 0.054+/-0.130 χ^2/NDF:24.7/24

Right Out: 0.093+/-0.102 χ^2/NDF: 31.4/26

Left In: -0.191+/-0.133 χ^2/NDF:31.1/22

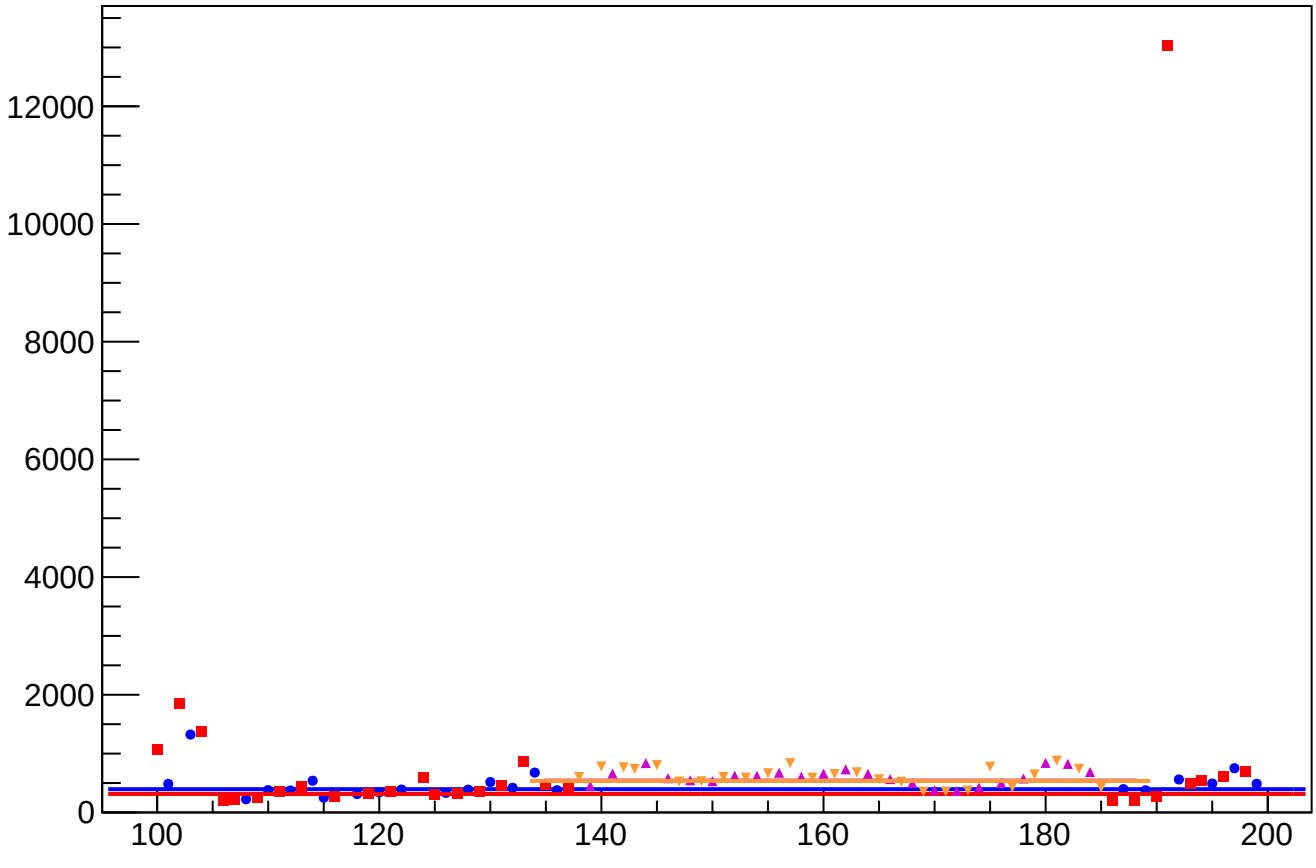
Left: -0.065+/-0.093 χ^2/NDF: 57.6/47

Right: -0.015+/-0.079 χ^2/NDF: 46.3/48

In: -0.184+/-0.091 χ^2/NDF:43.3/44

Out: 0.078+/-0.080 χ^2/NDF:56.1/51

All: -0.036+/-0.060 χ^2/NDF: 104.1/96



Right In: 395.197+/-0.089 χ^2/NDF: 2120296.7/21

Left Out: 535.943+/-0.092 χ^2/NDF:2749736.4/24

Right Out: 313.752+/-0.072 χ^2/NDF: 4724753.0/26

Left In: 540.804+/-0.094 χ^2/NDF:1904998.0/22

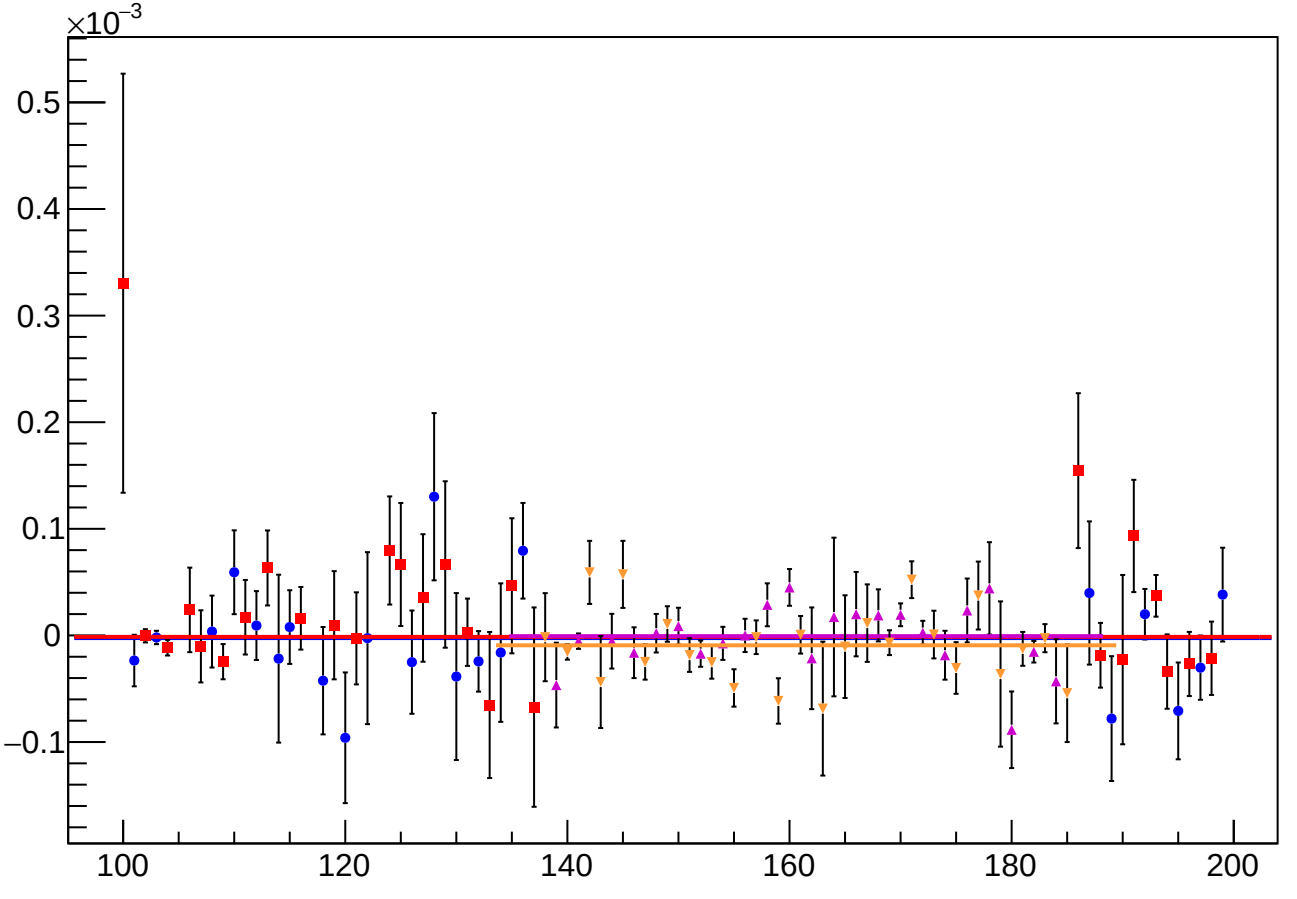
Left: 538.306+/-0.066 χ^2/NDF: 4656104.0/47

Right: 346.245+/-0.056 χ^2/NDF: 7353427.4/48

In: 463.556+/-0.065 χ^2/NDF:5294454.0/44

Out: 398.856+/-0.057 χ^2/NDF:11107034.2/51

All: 427.042+/-0.043 χ^2/NDF: 16969294.9/96



Right In: -0.000+/-0.000 χ^2/NDF: 20.7/21

Left Out: -0.000+/-0.000 χ^2/NDF:45.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 32.4/26

Left In: -0.000+/-0.000 χ^2/NDF:30.0/22

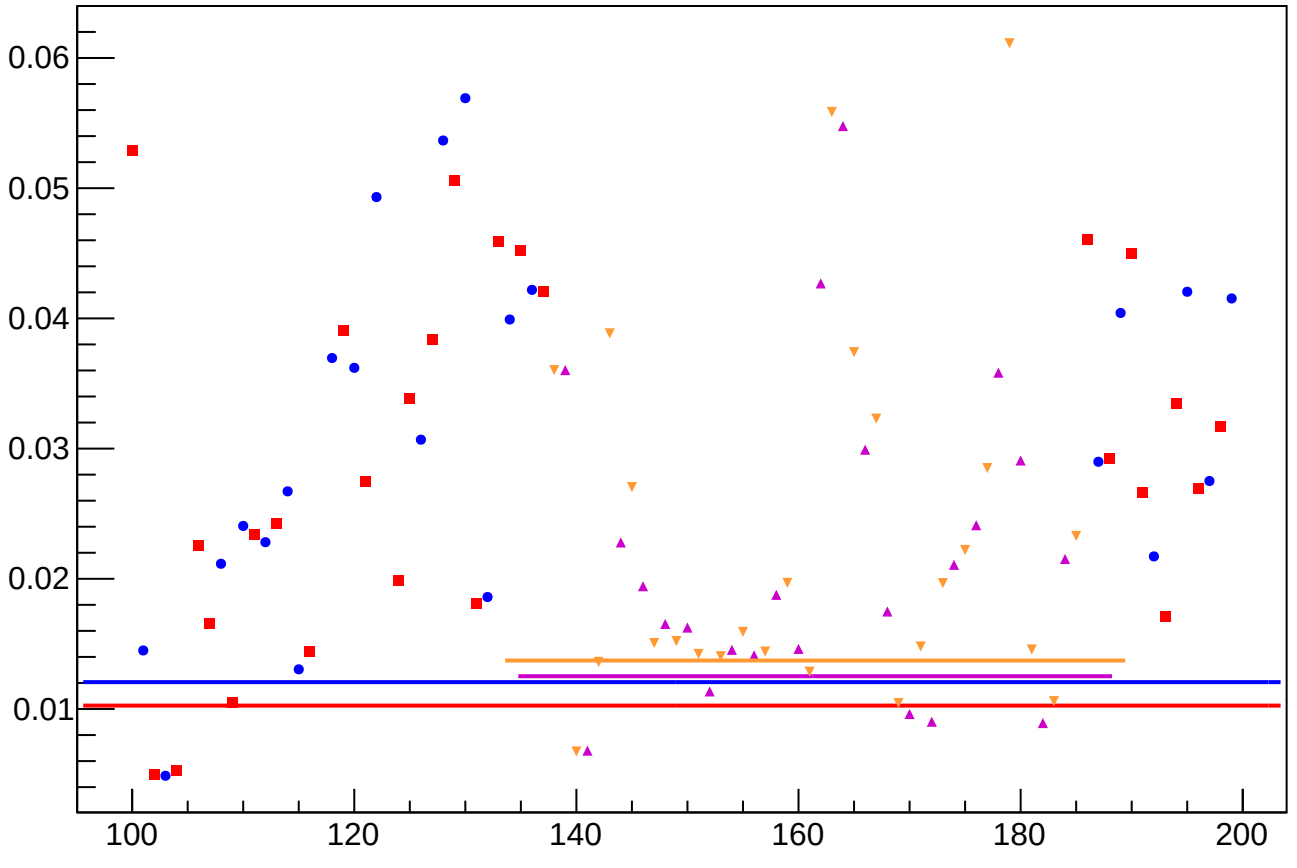
Left: -0.000+/-0.000 χ^2/NDF: 78.1/47

Right: -0.000+/-0.000 χ^2/NDF: 53.1/48

In: -0.000+/-0.000 χ^2/NDF:50.8/44

Out: -0.000+/-0.000 χ^2/NDF:79.7/51

All: -0.000+/-0.000 χ^2/NDF: 131.7/96



Right In: 0.012+/-0.000 χ^2/NDF: 10611782.6/21

Left Out: 0.014+/-0.000 χ^2/NDF:7717157.8/24

Right Out: 0.010+/-0.000 χ^2/NDF: 11556108.4/26

Left In: 0.013+/-0.000 χ^2/NDF:7121524.7/22

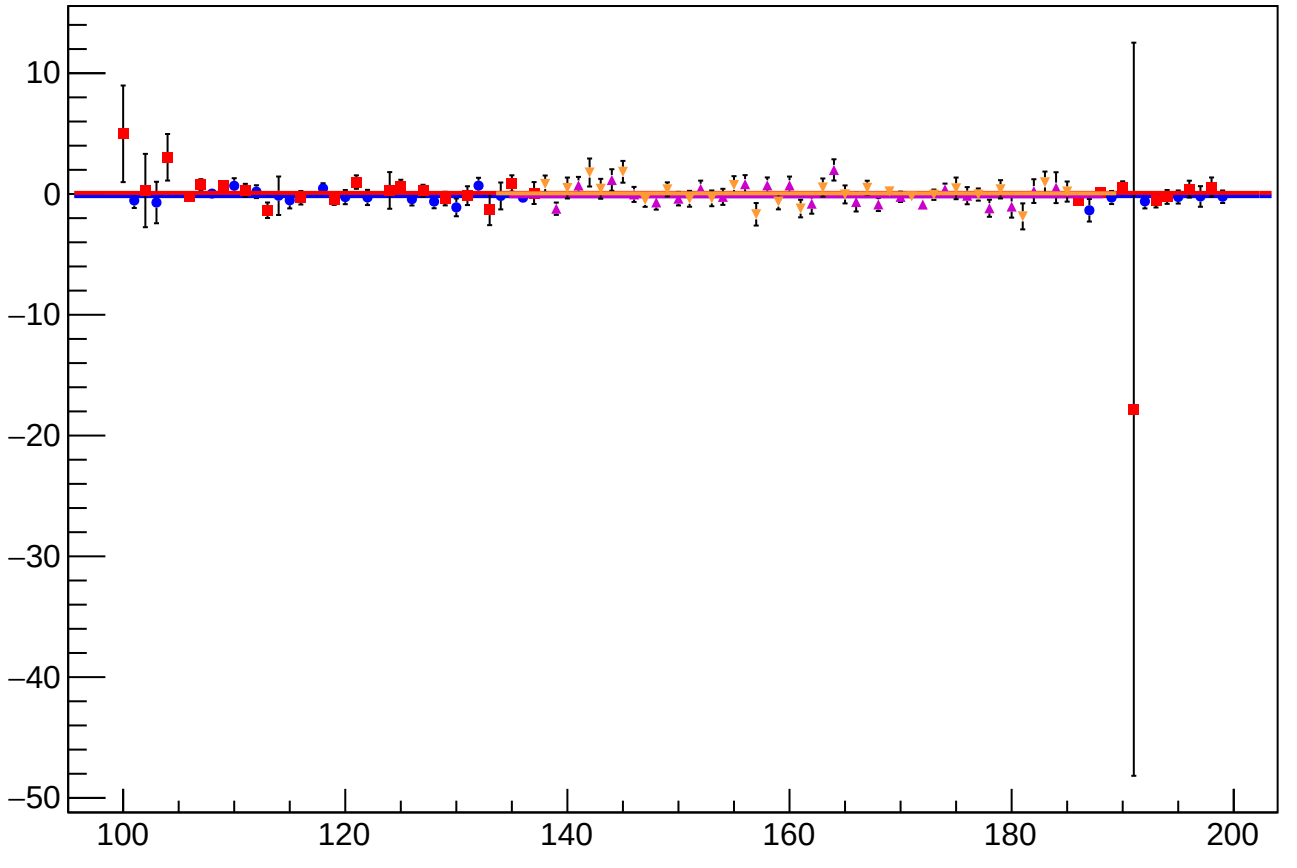
Left: 0.013+/-0.000 χ^2/NDF: 14955984.5/47

Right: 0.011+/-0.000 χ^2/NDF: 22323597.3/48

In: 0.012+/-0.000 χ^2/NDF:17744299.5/44

Out: 0.012+/-0.000 χ^2/NDF:20106657.4/51

All: 0.012+/-0.000 χ^2/NDF: 37856792.1/96



Right In: -0.178+/-0.125 χ^2/NDF: 12.1/21

Left Out: 0.054+/-0.130 χ^2/NDF:24.7/24

Right Out: 0.093+/-0.102 χ^2/NDF: 31.4/26

Left In: -0.191+/-0.133 χ^2/NDF:31.1/22

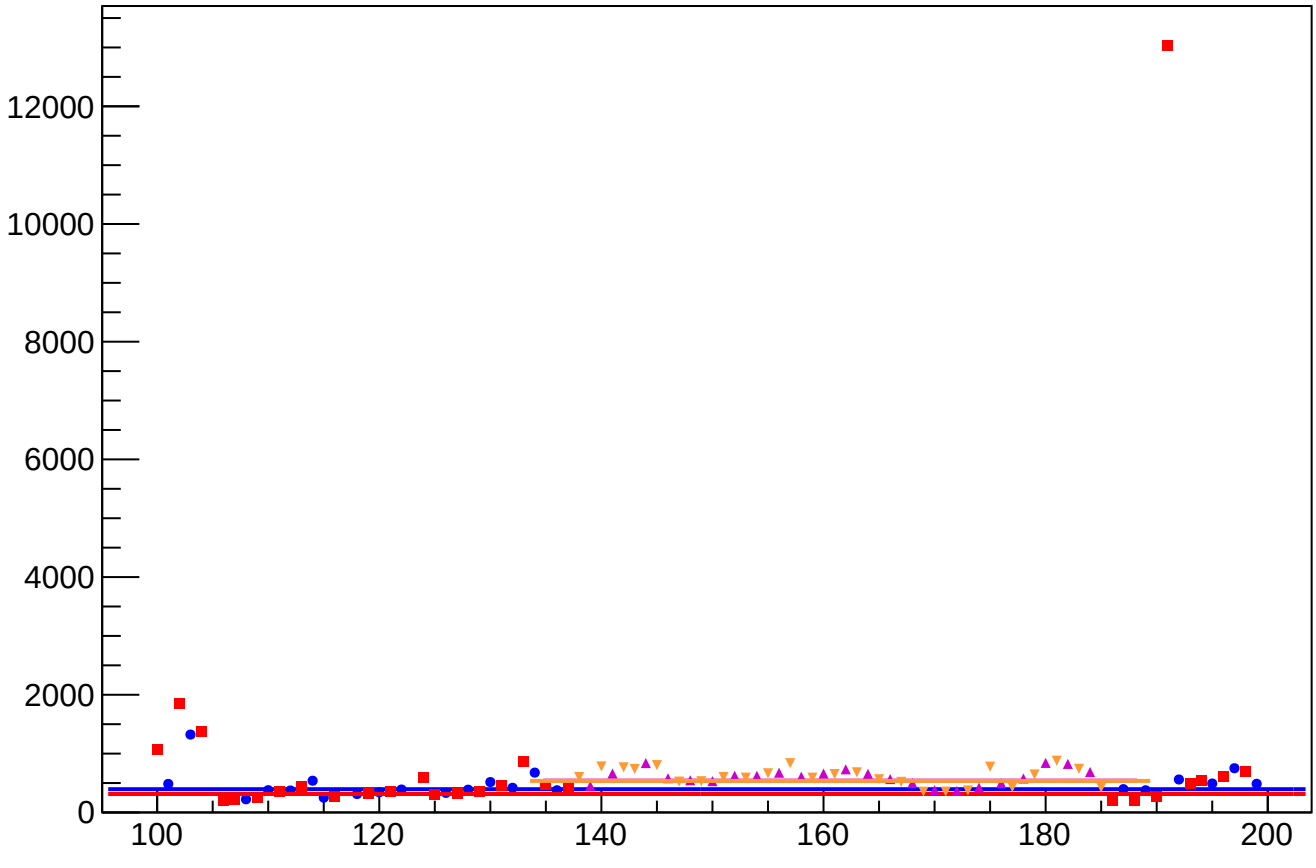
Left: -0.065+/-0.093 χ^2/NDF: 57.6/47

Right: -0.015+/-0.079 χ^2/NDF: 46.3/48

In: -0.184+/-0.091 χ^2/NDF:43.3/44

Out: 0.078+/-0.080 χ^2/NDF:56.1/51

All: -0.036+/-0.060 χ^2/NDF: 104.1/96



Right In: 395.194+/-0.089 χ^2/NDF: 2120317.6/21

Left Out: 535.948+/-0.092 χ^2/NDF:2749816.2/24

Right Out: 313.752+/-0.072 χ^2/NDF: 4724704.2/26

Left In: 540.809+/-0.094 χ^2/NDF:1905035.9/22

Left: 538.311+/-0.066 χ^2/NDF: 4656222.0/47

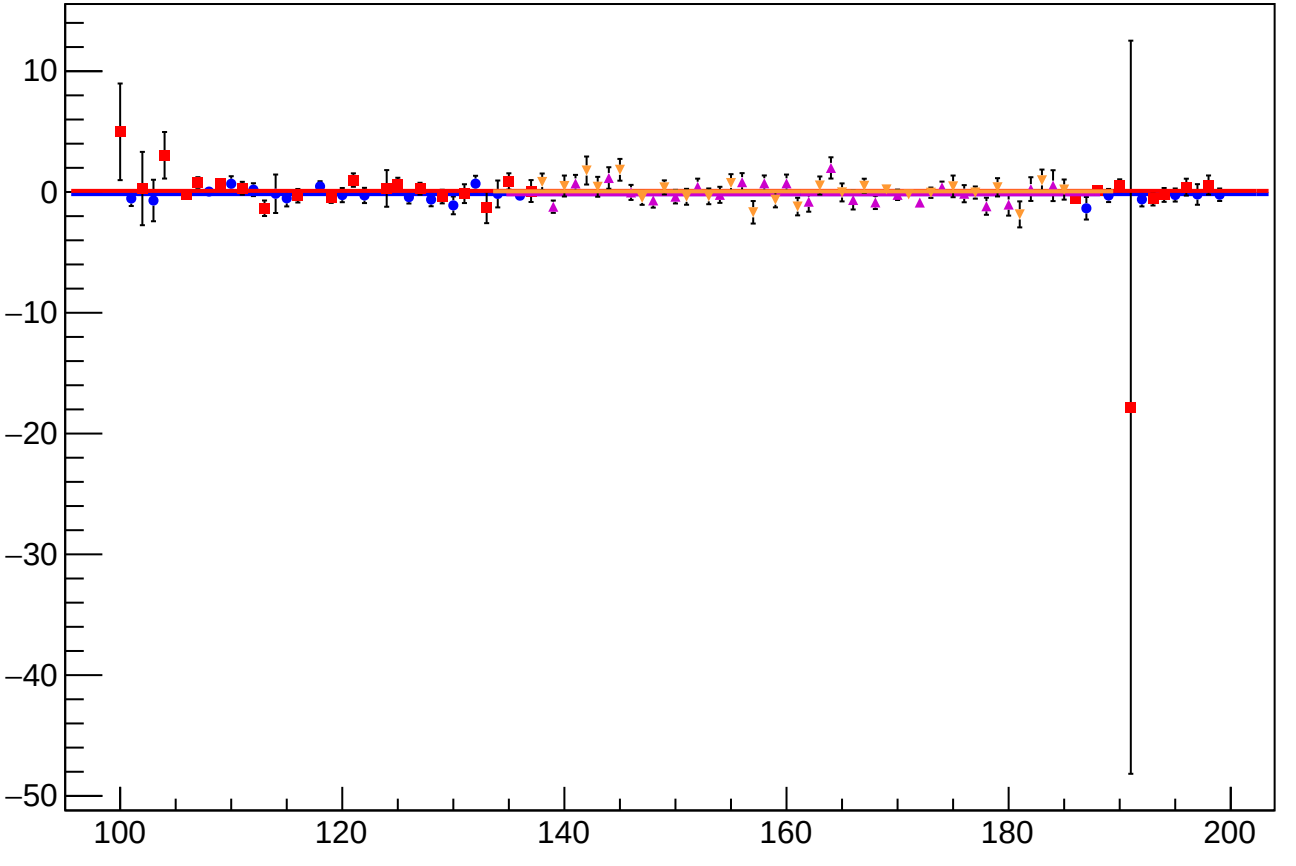
Right: 346.243+/-0.056 χ^2/NDF: 7353361.0/48

In: 463.555+/-0.065 χ^2/NDF:5294658.5/44

Out: 398.857+/-0.057 χ^2/NDF:11107177.1/51

All: 427.042+/-0.043 χ^2/NDF: 16969616.1/96

asym_atr2_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.178+/-0.125 χ^2/NDF: 12.1/21

Left Out: 0.054+/-0.130 χ^2/NDF:24.7/24

Right Out: 0.093+/-0.102 χ^2/NDF: 31.4/26

Left In: -0.191+/-0.133 χ^2/NDF:31.1/22

Left: -0.065+/-0.093 χ^2/NDF: 57.6/47

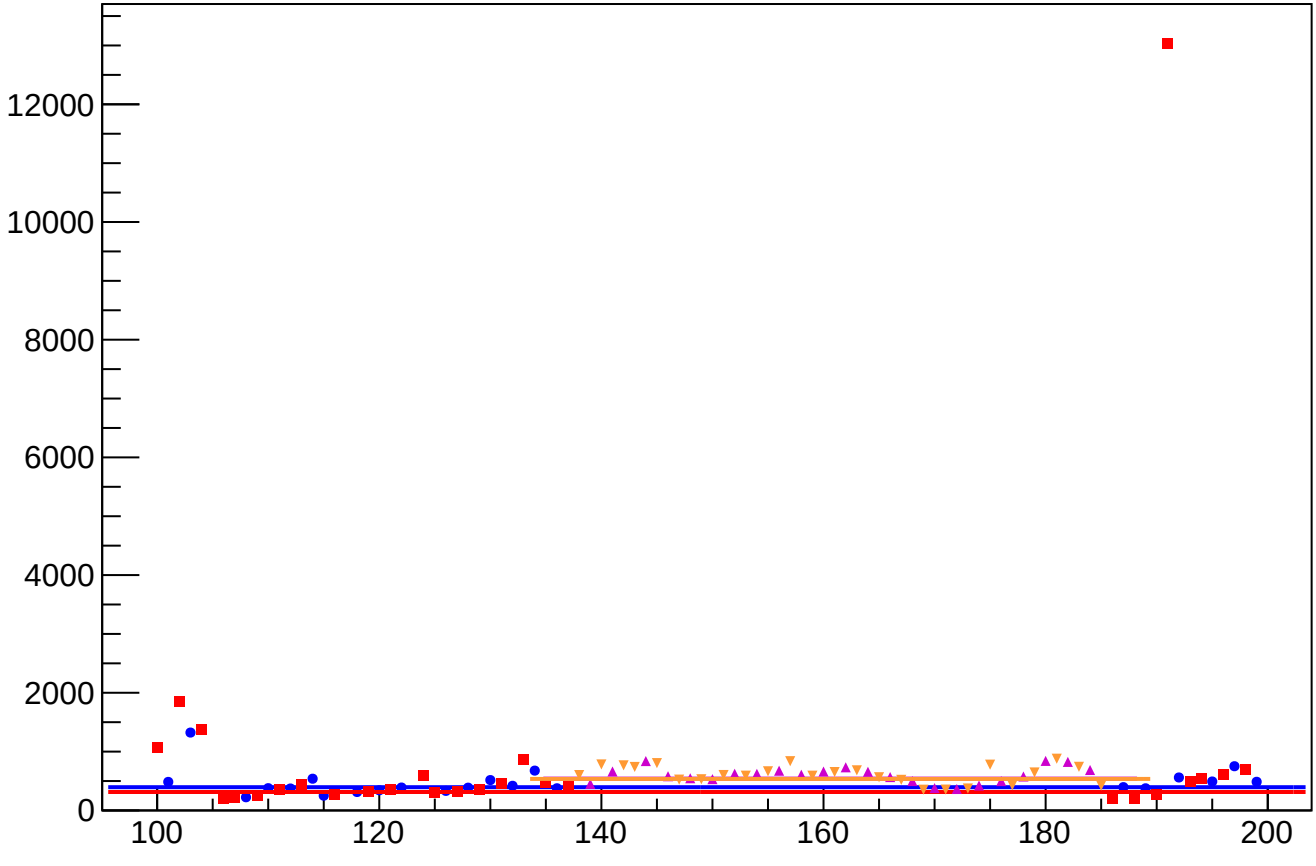
Right: -0.015+/-0.079 χ^2/NDF: 46.3/48

In: -0.184+/-0.091 χ^2/NDF:43.3/44

Out: 0.078+/-0.080 χ^2/NDF:56.1/51

All: -0.036+/-0.060 χ^2/NDF: 104.1/96

asym_atr2_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 395.194+/-0.089 χ^2/NDF: 2120317.6/21

Left Out: 535.948+/-0.092 χ^2/NDF:2749816.2/24

Right Out: 313.752+/-0.072 χ^2/NDF: 4724704.2/26

Left In: 540.809+/-0.094 χ^2/NDF:1905035.9/22

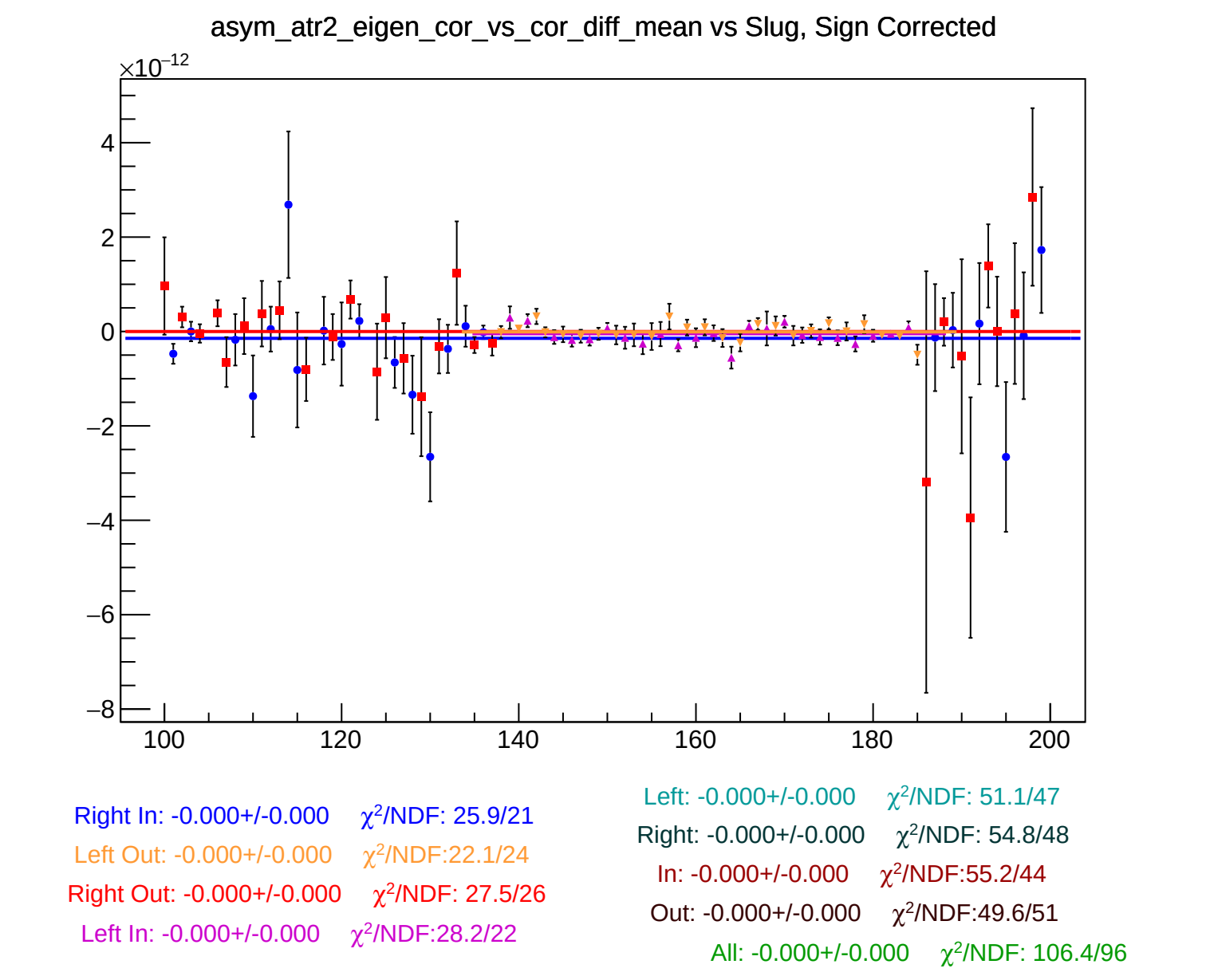
Left: 538.311+/-0.066 χ^2/NDF: 4656222.0/47

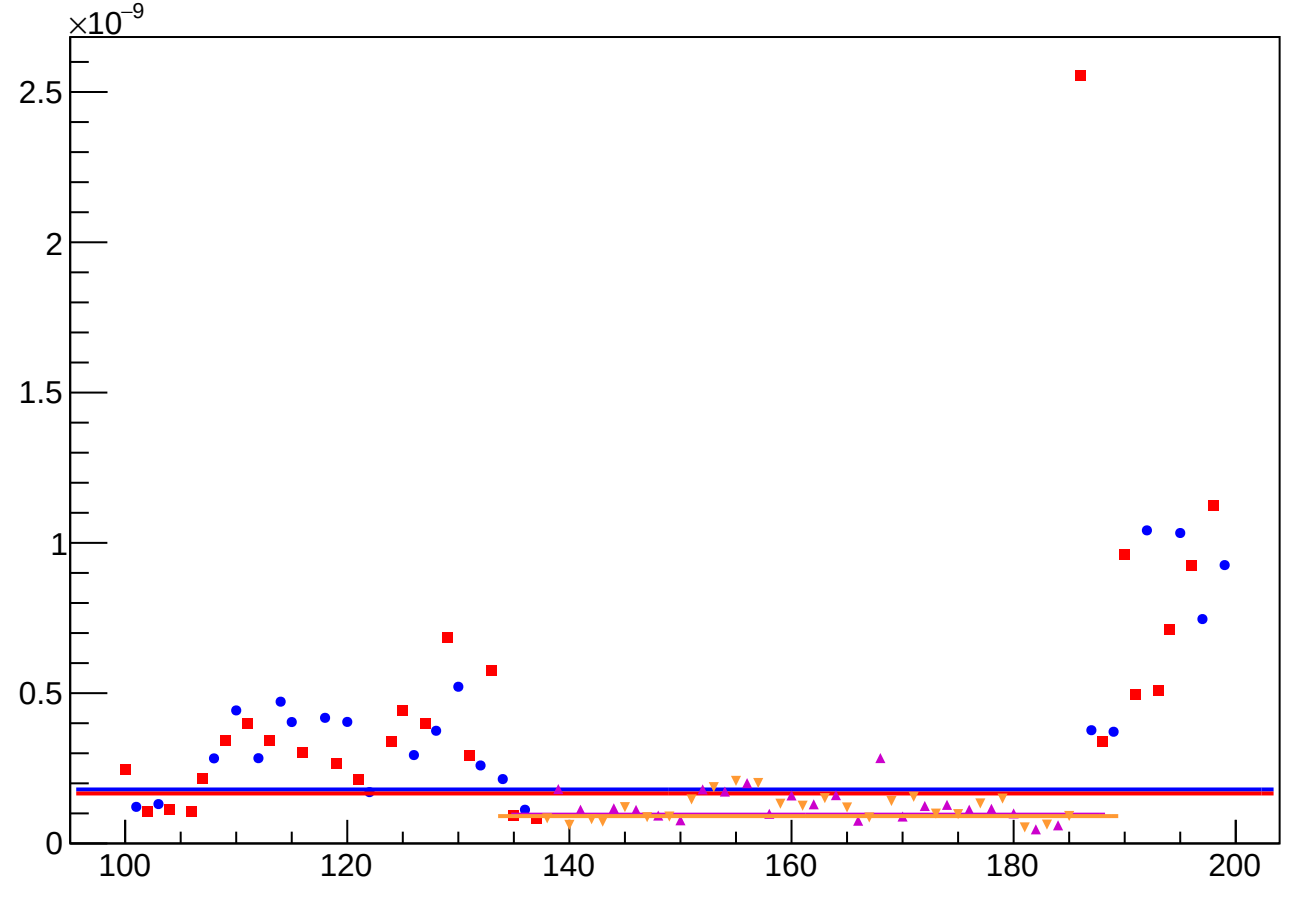
Right: 346.243+/-0.056 χ^2/NDF: 7353361.0/48

In: 463.555+/-0.065 χ^2/NDF:5294658.5/44

Out: 398.857+/-0.057 χ^2/NDF:11107177.1/51

All: 427.042+/-0.043 χ^2/NDF: 16969616.1/96


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: 25.9/21
Left Out: -0.000+/-0.000 χ²/NDF:22.1/24
Right Out: -0.000+/-0.000 χ²/NDF: 27.5/26
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: 54.8/48
In: -0.000+/-0.000 χ²/NDF:55.2/44
Out: -0.000+/-0.000 χ²/NDF:49.6/51
All: -0.000+/-0.000 χ²/NDF: 106.4/96



Right In: 0.000+/-0.000 χ^2/NDF: 4717487.8/21

Left Out: 0.000+/-0.000 χ^2/NDF:3367730.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5851886.3/26

Left In: 0.000+/-0.000 χ^2/NDF:3905784.1/22

Left: 0.000+/-0.000 χ^2/NDF: 7302418.3/47

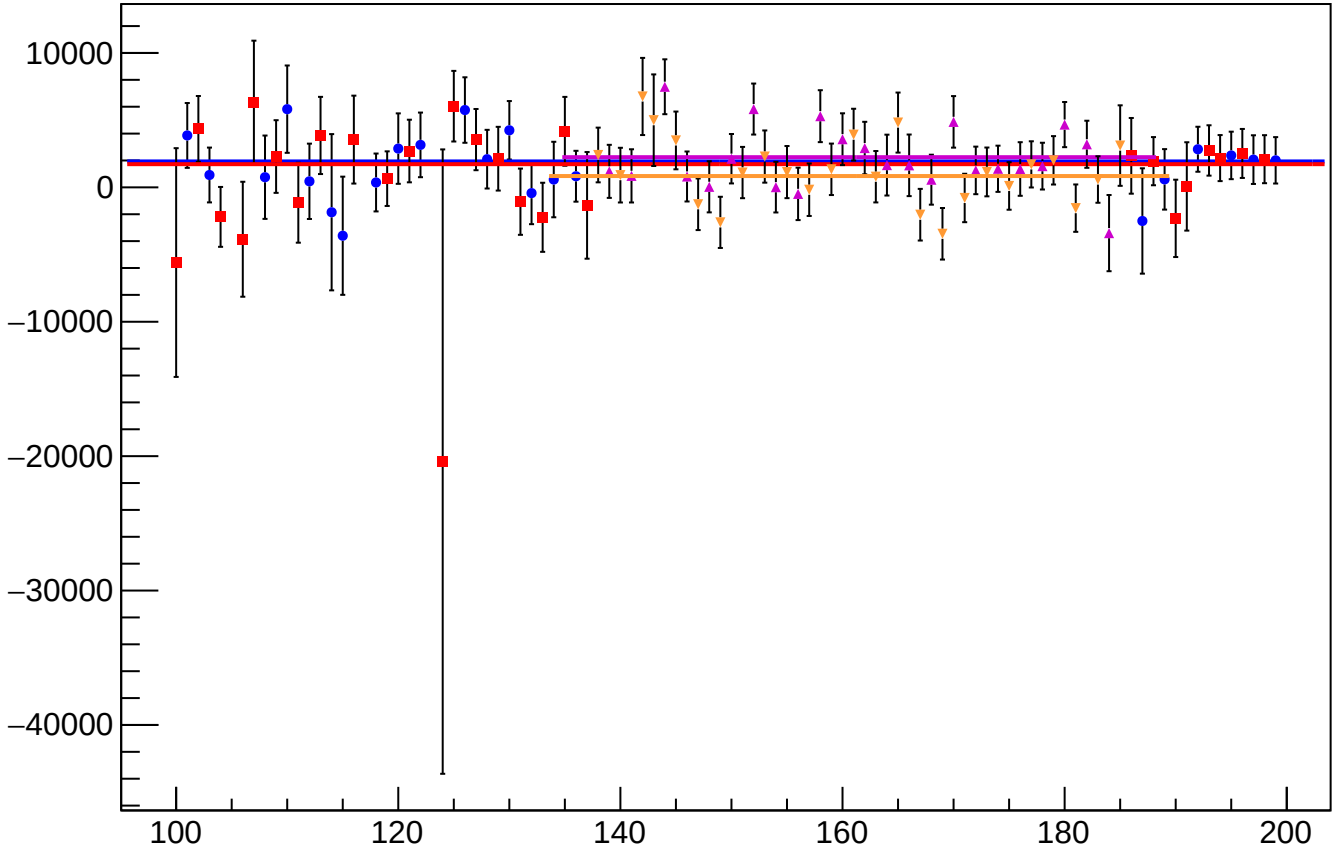
Right: 0.000+/-0.000 χ^2/NDF: 10594541.4/48

In: 0.000+/-0.000 χ^2/NDF:10331529.7/44

Out: 0.000+/-0.000 χ^2/NDF:10750665.7/51

All: 0.000+/-0.000 χ^2/NDF: 21127658.6/96

reg_asym_atl_avg_mean vs Slug, Sign Corrected



Right In: 1928.586+/-492.854 χ^2/NDF: 12.9/21

Left Out: 841.572+/-394.444 χ^2/NDF:30.4/24

Right Out: 1725.197+/-481.386 χ^2/NDF: 22.3/26

Left In: 2245.041+/-400.753 χ^2/NDF:29.4/22

Left: 1532.172+/-281.118 χ^2/NDF: 66.0/47

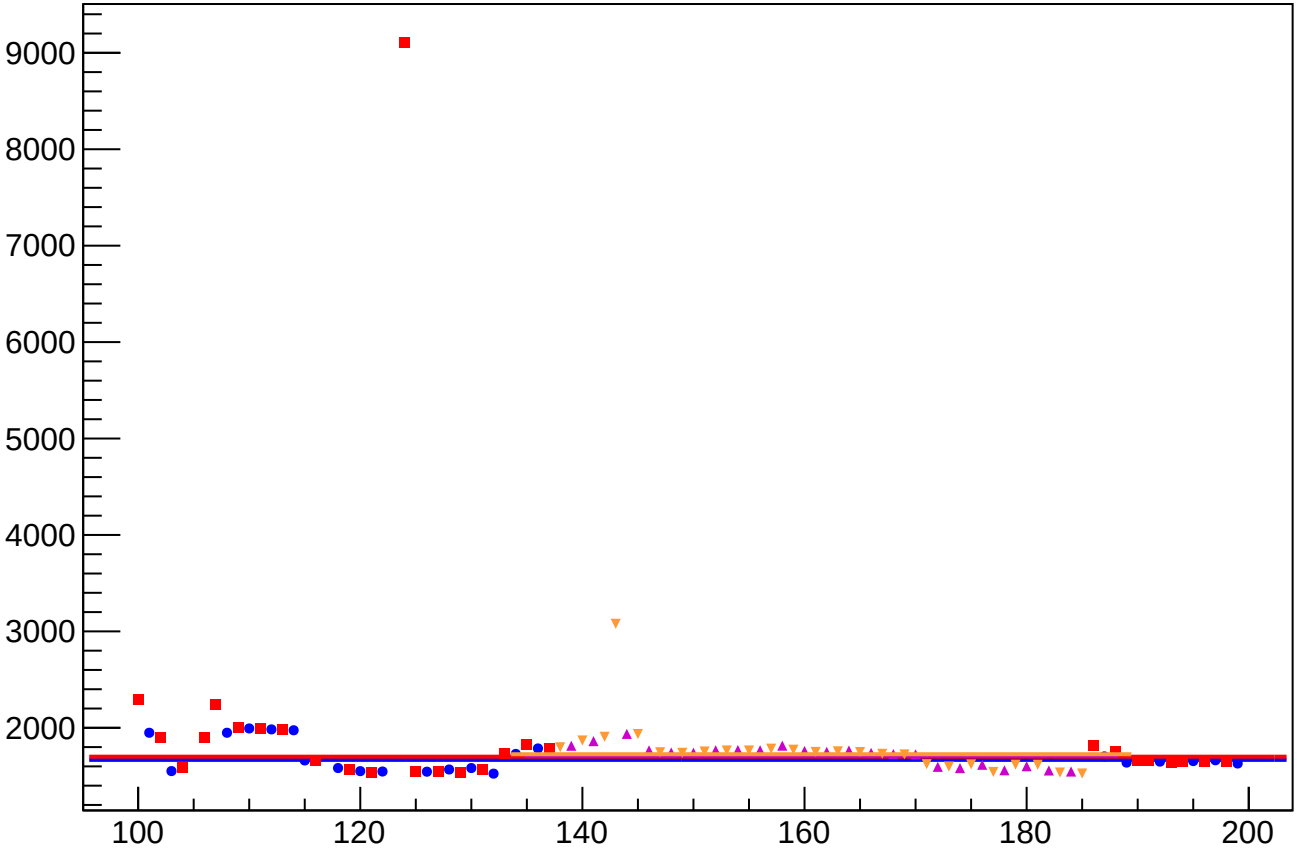
Right: 1824.497+/-344.374 χ^2/NDF: 35.3/48

In: 2119.087+/-310.935 χ^2/NDF:42.5/44

Out: 1196.525+/-305.102 χ^2/NDF:54.7/51

All: 1649.071+/-217.773 χ^2/NDF: 101.7/96

reg_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1667.622+/-0.349 χ^2/NDF: 143870.3/21

Left Out: 1726.058+/-0.279 χ^2/NDF:454930.8/24

Right Out: 1700.520+/-0.339 χ^2/NDF: 397287.8/26

Left In: 1713.156+/-0.283 χ^2/NDF:129290.6/22

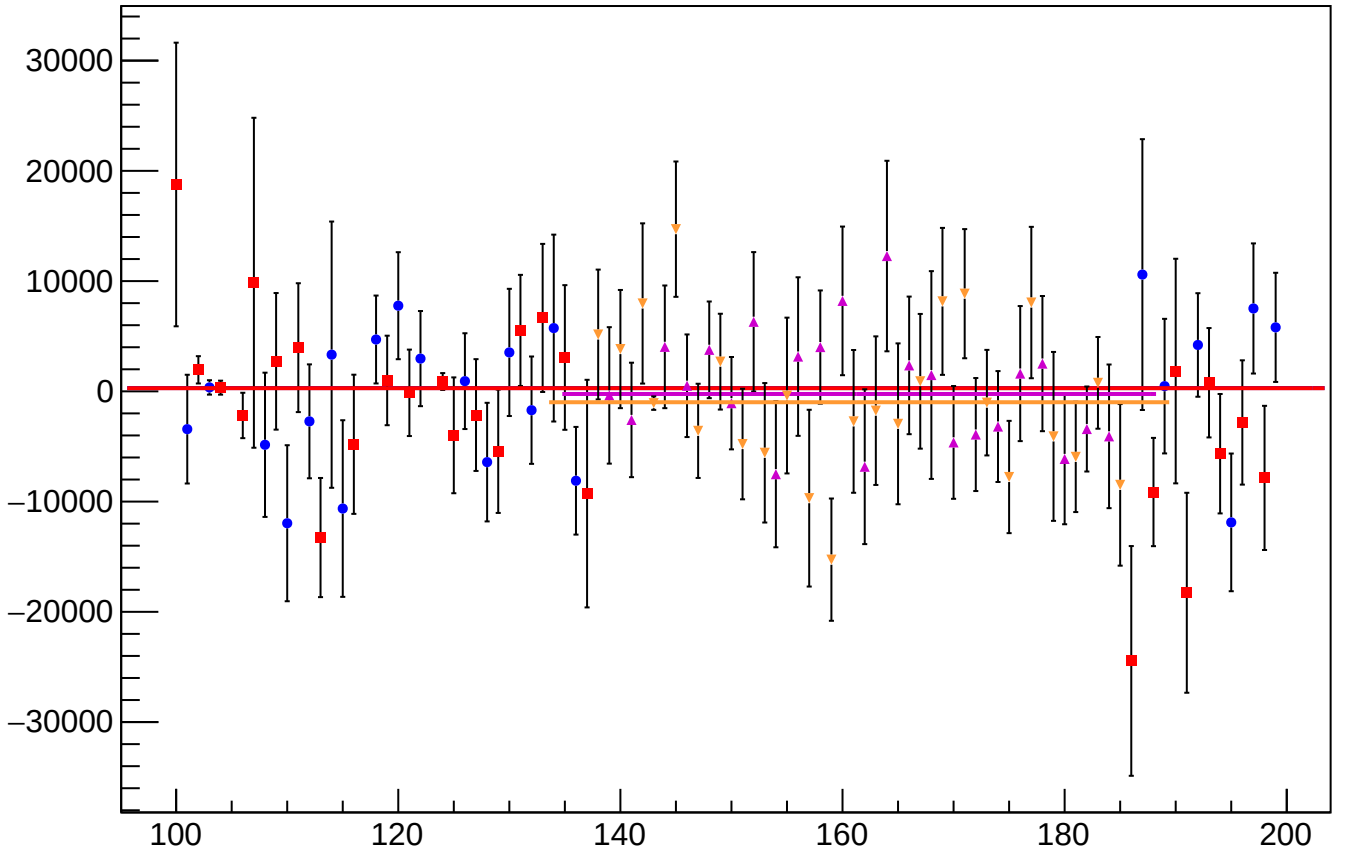
Left: 1719.709+/-0.199 χ^2/NDF: 585274.4/47

Right: 1684.502+/-0.243 χ^2/NDF: 545730.1/48

In: 1695.033+/-0.220 χ^2/NDF:283437.1/44

Out: 1715.767+/-0.216 χ^2/NDF:855597.2/51

All: 1705.607+/-0.154 χ^2/NDF: 1143569.9/96



Right In: 297.653+/-574.379 χ^2/NDF: 23.8/21

Left Out: -987.621+/-541.250 χ^2/NDF:30.8/24

Right Out: 286.548+/-417.245 χ^2/NDF: 35.4/26

Left In: -239.582+/-1165.046 χ^2/NDF:13.5/22

Left: -854.832+/-490.864 χ^2/NDF: 44.7/47

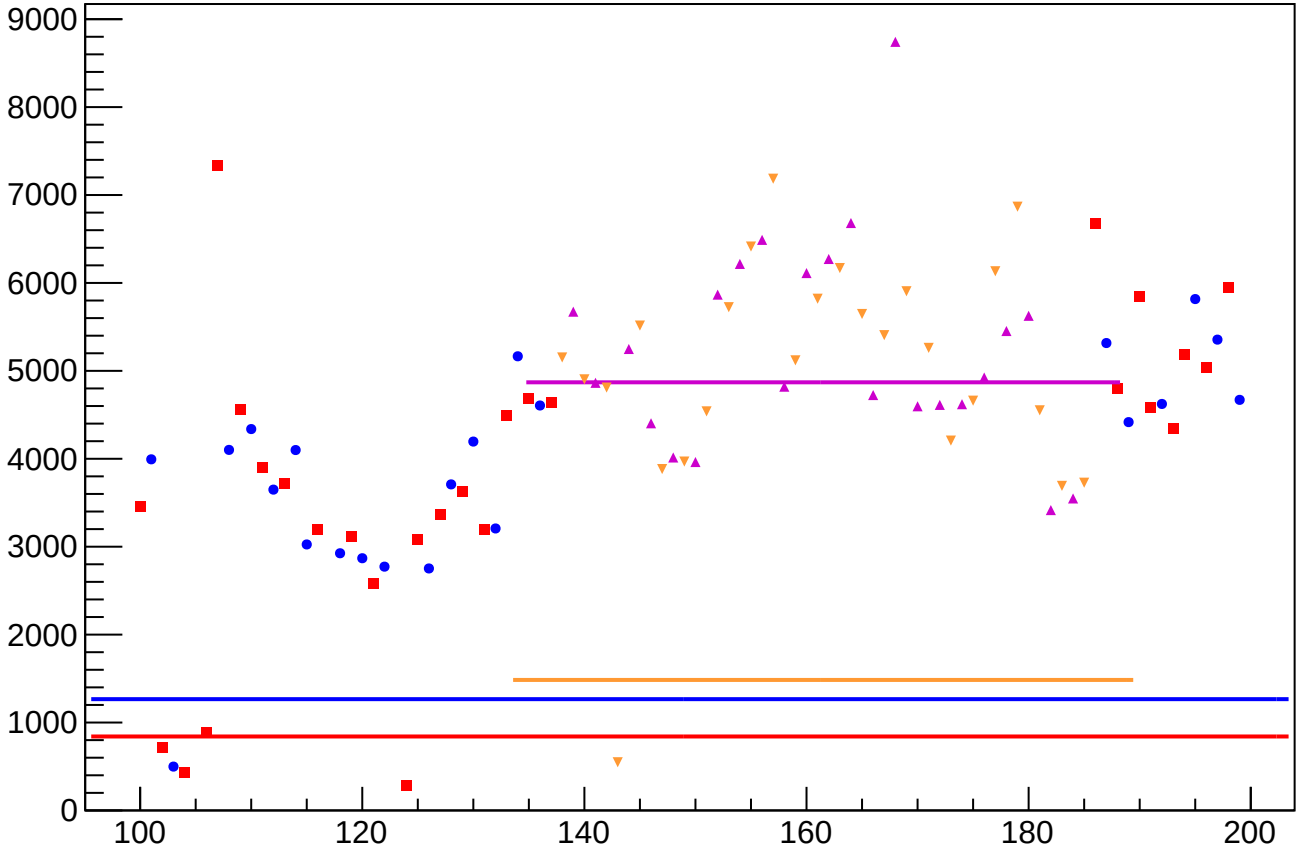
Right: 290.384+/-337.577 χ^2/NDF: 59.3/48

In: 192.606+/-515.173 χ^2/NDF:37.5/44

Out: -188.404+/-330.453 χ^2/NDF:69.7/51

All: -77.337+/-278.149 χ^2/NDF: 107.6/96

asym_atl_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 1265.939+/-0.406 χ^2/NDF: 13136191.5/21

Left Out: 1484.563+/-0.383 χ^2/NDF:23224946.4/24

Right Out: 841.350+/-0.295 χ^2/NDF: 16257432.9/26

Left In: 4869.707+/-0.824 χ^2/NDF:1474225.9/22

Left: 2085.479+/-0.347 χ^2/NDF: 38586716.8/47

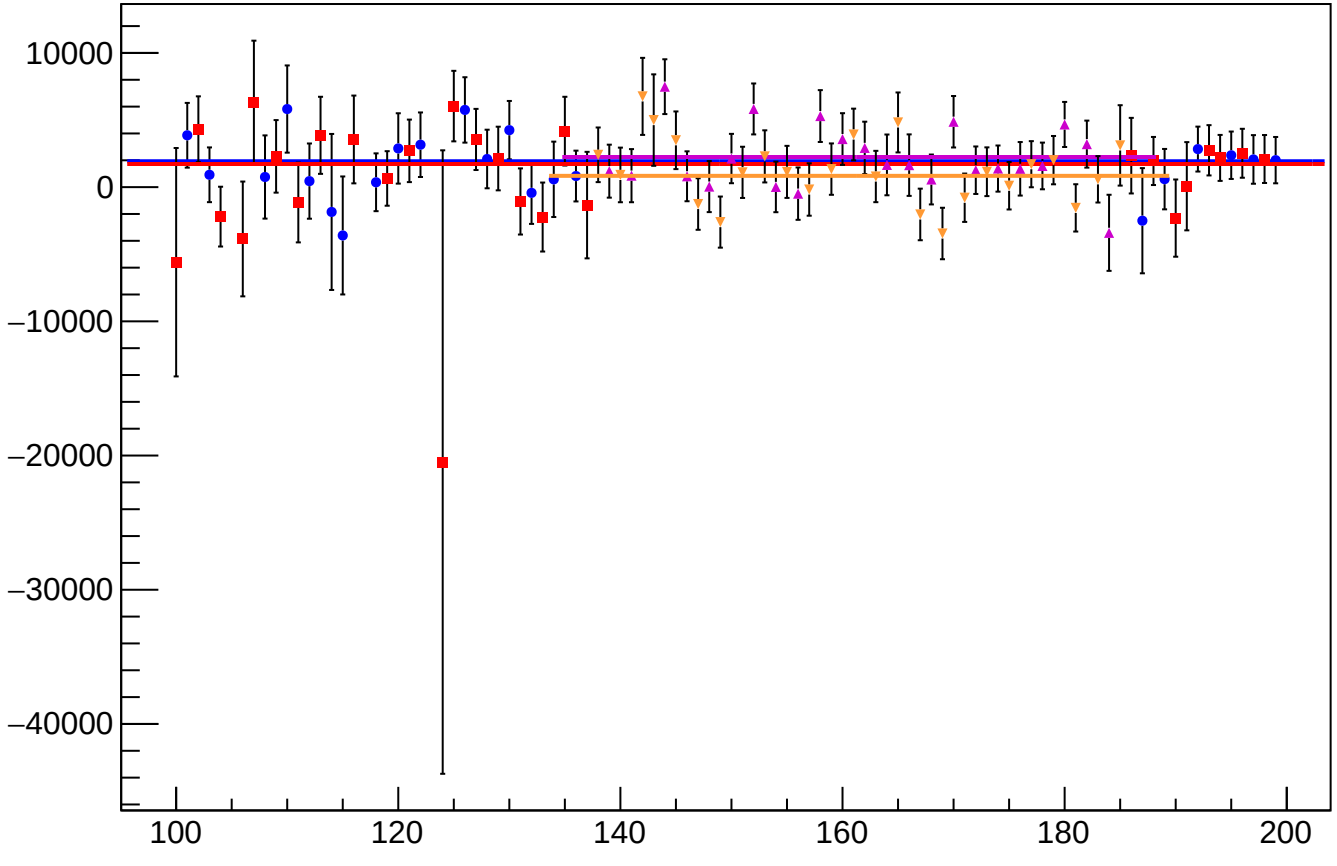
Right: 988.012+/-0.239 χ^2/NDF: 30108995.5/48

In: 1970.594+/-0.364 χ^2/NDF:30004917.4/44

Out: 1081.111+/-0.234 χ^2/NDF:41254040.8/51

All: 1340.401+/-0.197 χ^2/NDF: 75483062.0/9

cor_asym_atl_avg_mean vs Slug, Sign Corrected



Right In: 1928.662+/-492.854 χ^2/NDF: 12.9/21

Left Out: 841.564+/-394.444 χ^2/NDF:30.4/24

Right Out: 1723.823+/-481.388 χ^2/NDF: 22.3/26

Left In: 2245.061+/-400.753 χ^2/NDF:29.4/22

Left: 1532.178+/-281.118 χ^2/NDF: 66.0/47

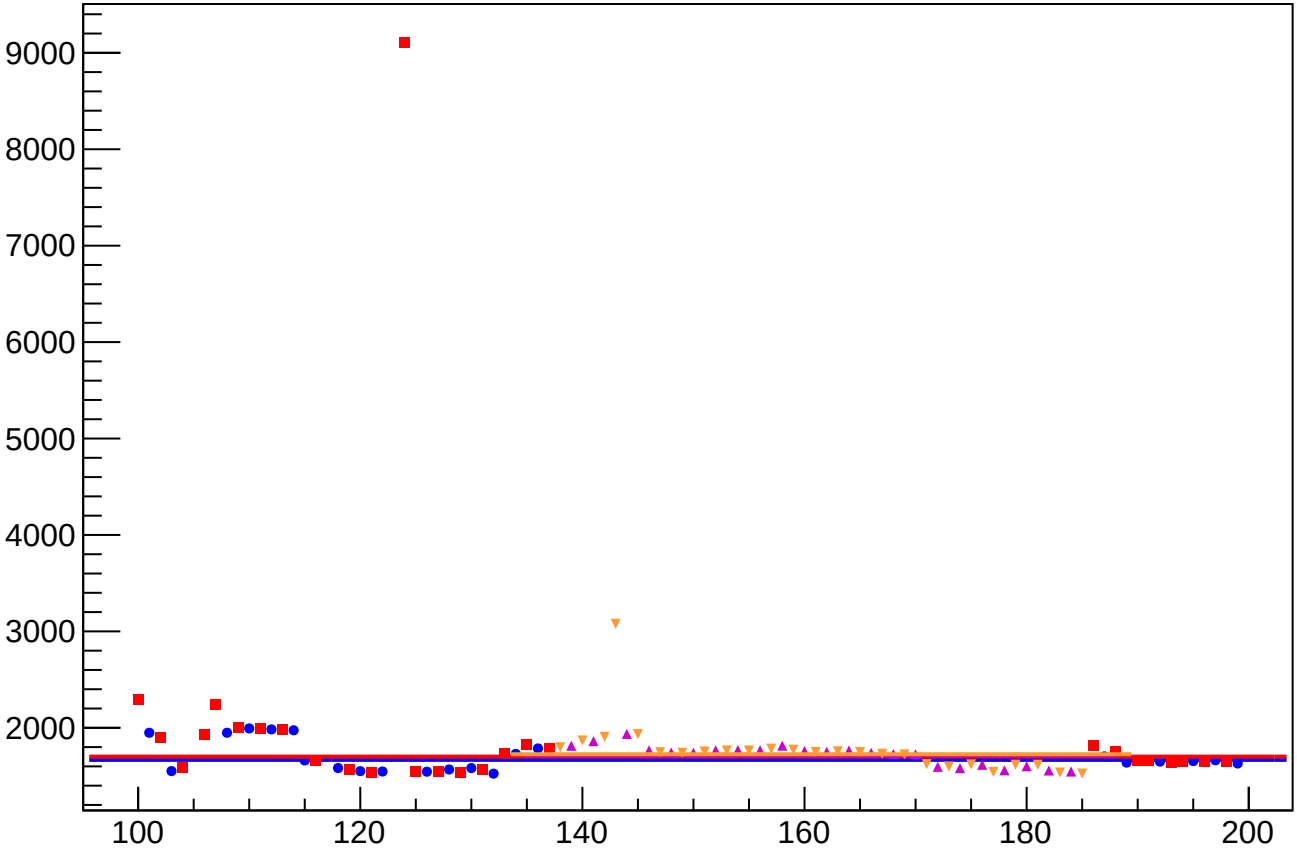
Right: 1823.832+/-344.375 χ^2/NDF: 35.3/48

In: 2119.129+/-310.935 χ^2/NDF:42.5/44

Out: 1195.967+/-305.102 χ^2/NDF:54.7/51

All: 1648.808+/-217.773 χ^2/NDF: 101.7/96

cor_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1667.622+/-0.349 χ^2/NDF: 143870.4/21

Left Out: 1726.058+/-0.279 χ^2/NDF:454930.8/24

Right Out: 1700.980+/-0.340 χ^2/NDF: 399176.0/26

Left In: 1713.156+/-0.283 χ^2/NDF:129290.6/22

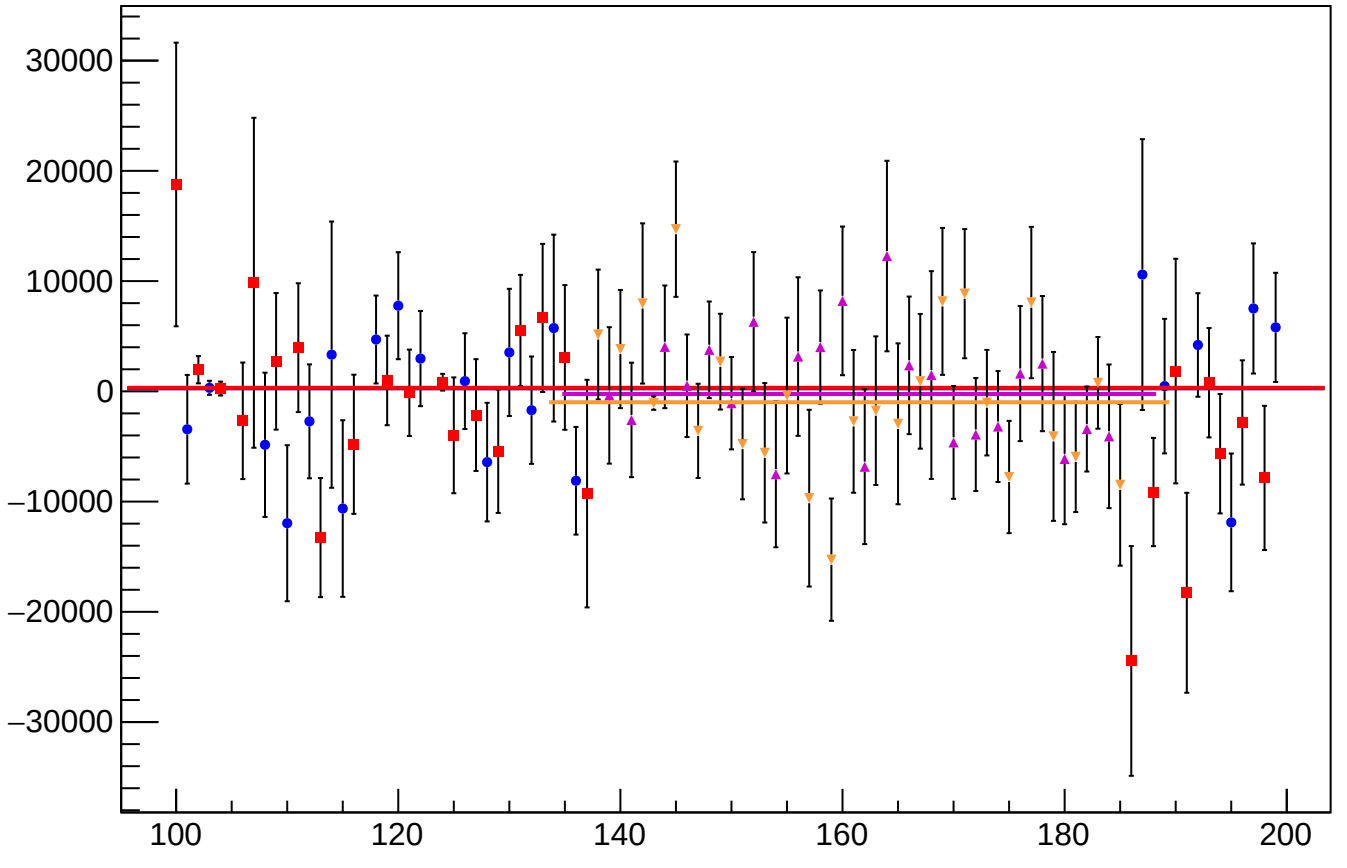
Left: 1719.709+/-0.199 χ^2/NDF: 585274.4/47

Right: 1684.734+/-0.243 χ^2/NDF: 547746.1/48

In: 1695.033+/-0.220 χ^2/NDF:283437.2/44

Out: 1715.956+/-0.216 χ^2/NDF:857363.6/51

All: 1705.702+/-0.154 χ^2/NDF: 1145418.9/96



Right In: 272.114+/-563.148 χ^2/NDF: 23.8/21

Left Out: -987.291+/-541.232 χ^2/NDF:30.8/24

Right Out: 319.202+/-422.774 χ^2/NDF: 34.2/26

Left In: -239.478+/-1165.045 χ^2/NDF:13.5/22

Left: -854.550+/-490.851 χ^2/NDF: 44.7/47

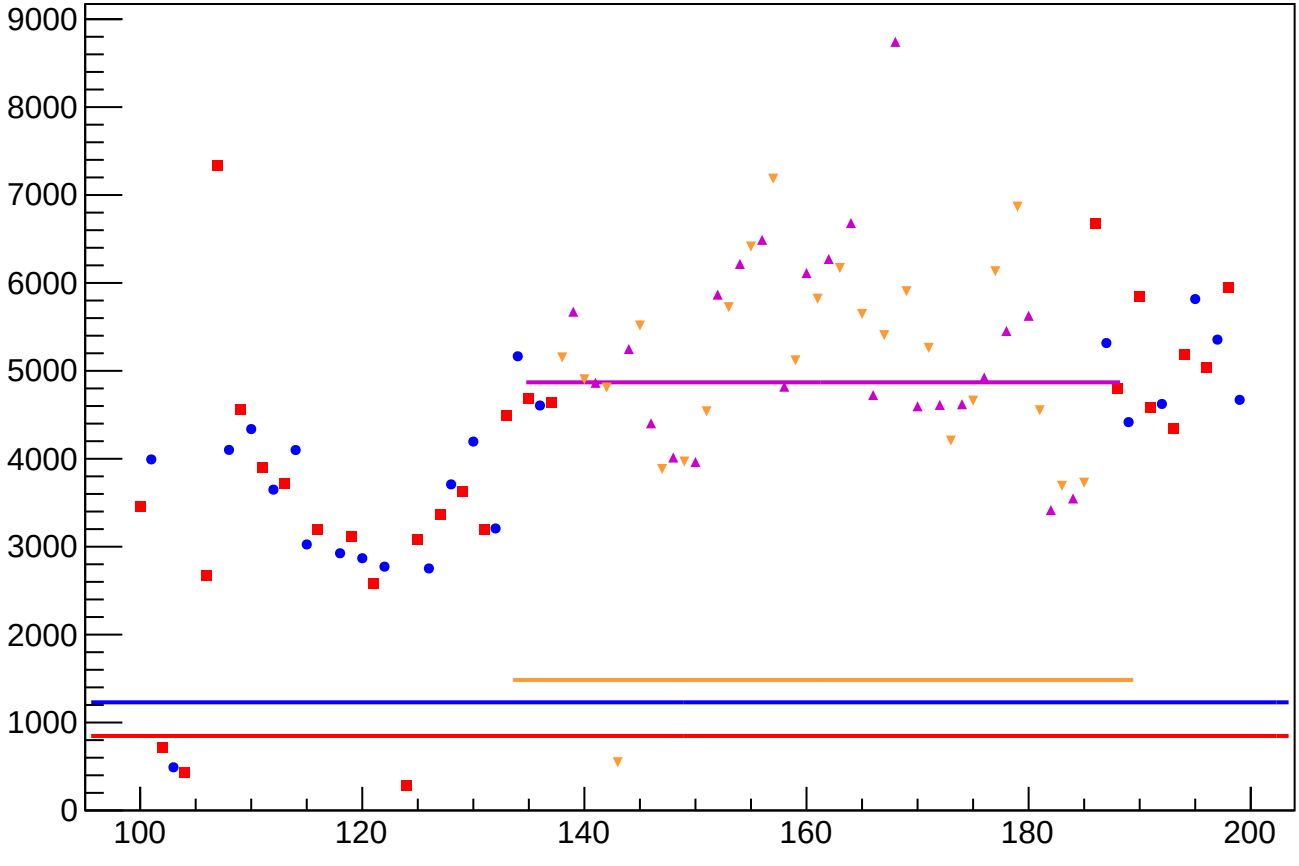
Right: 302.229+/-338.100 χ^2/NDF: 58.0/48

In: 175.221+/-507.023 χ^2/NDF:37.5/44

Out: -175.889+/-333.175 χ^2/NDF:68.6/51

All: -70.000+/-278.439 χ^2/NDF: 106.5/96

asym_atl_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 1229.889+/-0.398 χ^2/NDF: 13333324.1/21

Left Out: 1484.485+/-0.383 χ^2/NDF:23225570.5/24

Right Out: 847.122+/-0.299 χ^2/NDF: 16523123.0/26

Left In: 4869.699+/-0.824 χ^2/NDF:1474252.6/22

Left: 2085.382+/-0.347 χ^2/NDF: 38588136.1/47

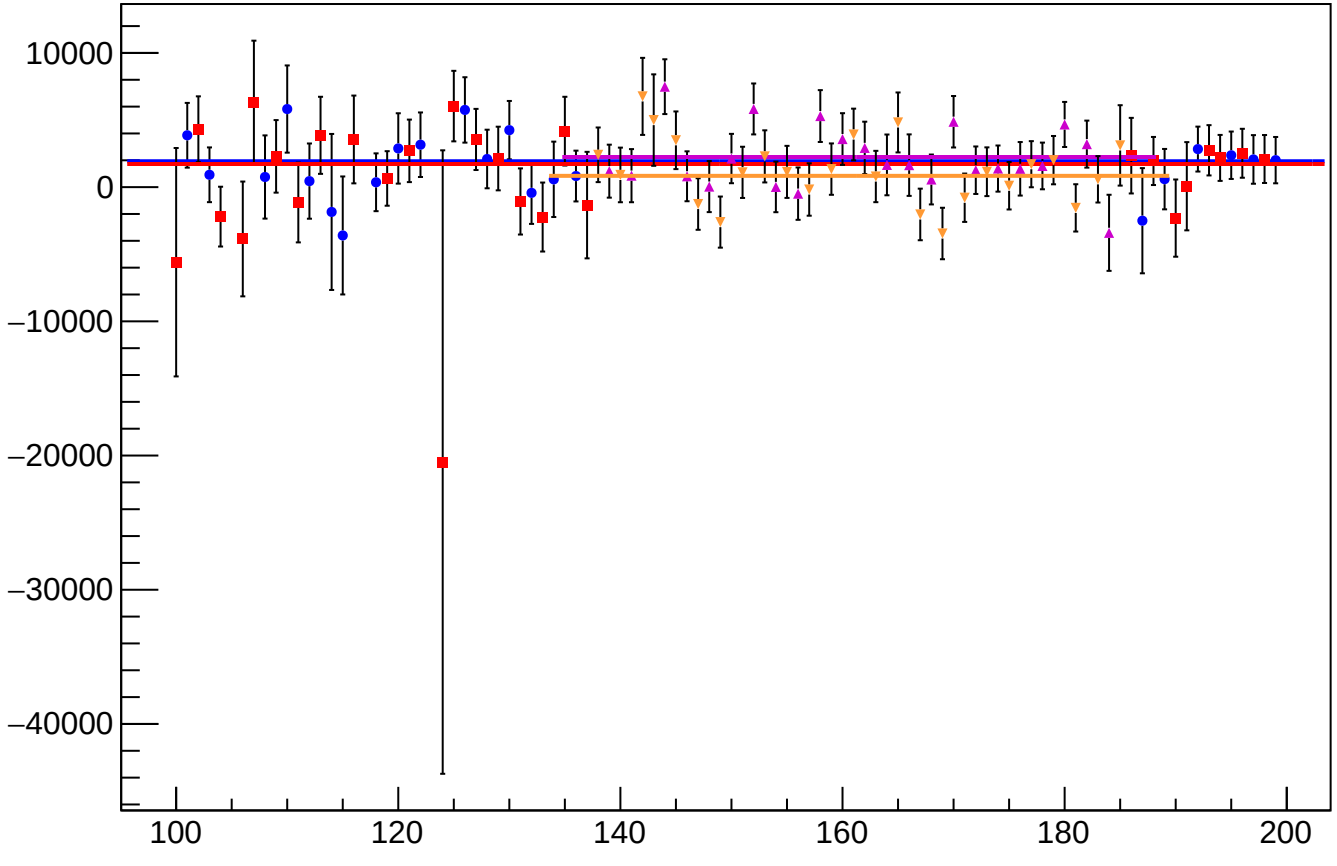
Right: 985.091+/-0.239 χ^2/NDF: 30447363.8/48

In: 1919.252+/-0.359 χ^2/NDF:30631394.9/44

Out: 1088.649+/-0.236 χ^2/NDF:41471213.5/51

All: 1339.144+/-0.197 χ^2/NDF: 75851282.4/9

eigen_cor_asym_atl_avg_mean vs Slug, Sign Corrected



Right In: 1928.662+/-492.854 χ^2/NDF: 12.9/21

Left Out: 841.564+/-394.444 χ^2/NDF:30.4/24

Right Out: 1723.823+/-481.388 χ^2/NDF: 22.3/26

Left In: 2245.061+/-400.753 χ^2/NDF:29.4/22

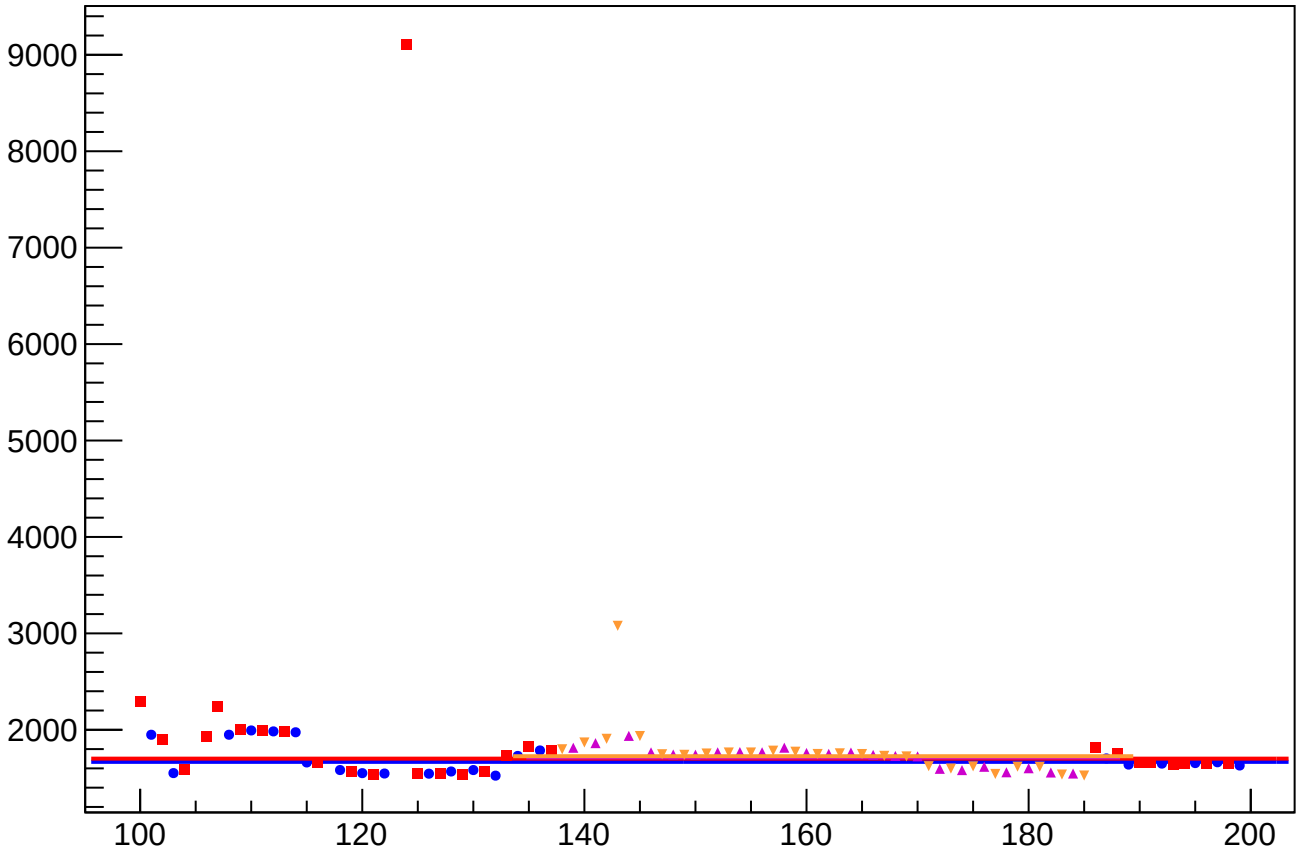
Left: 1532.178+/-281.118 χ^2/NDF: 66.0/47

Right: 1823.832+/-344.375 χ^2/NDF: 35.3/48

In: 2119.129+/-310.935 χ^2/NDF:42.5/44

Out: 1195.967+/-305.102 χ^2/NDF:54.7/51

All: 1648.808+/-217.773 χ^2/NDF: 101.7/96



Right In: 1667.622+/-0.349 χ^2/NDF: 143870.4/21

Left Out: 1726.058+/-0.279 χ^2/NDF:454930.8/24

Right Out: 1700.980+/-0.340 χ^2/NDF: 399176.0/26

Left In: 1713.156+/-0.283 χ^2/NDF:129290.6/22

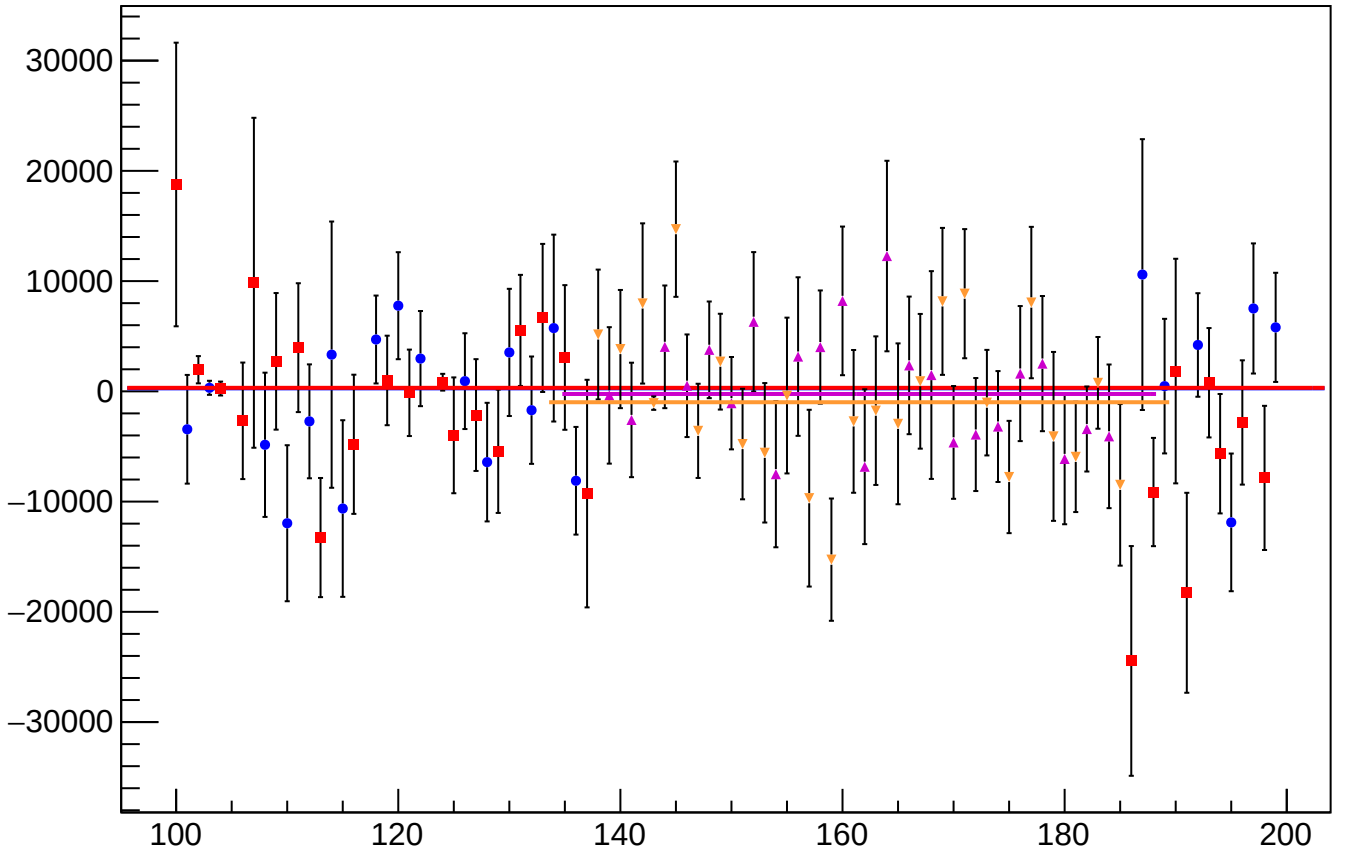
Left: 1719.709+/-0.199 χ^2/NDF: 585274.4/47

Right: 1684.734+/-0.243 χ^2/NDF: 547746.1/48

In: 1695.033+/-0.220 χ^2/NDF:283437.2/44

Out: 1715.956+/-0.216 χ^2/NDF:857363.6/51

All: 1705.702+/-0.154 χ^2/NDF: 1145418.9/96



Right In: 272.114+/-563.148 χ^2/NDF: 23.8/21

Left Out: -987.291+/-541.232 χ^2/NDF:30.8/24

Right Out: 319.202+/-422.774 χ^2/NDF: 34.2/26

Left In: -239.478+/-1165.045 χ^2/NDF:13.5/22

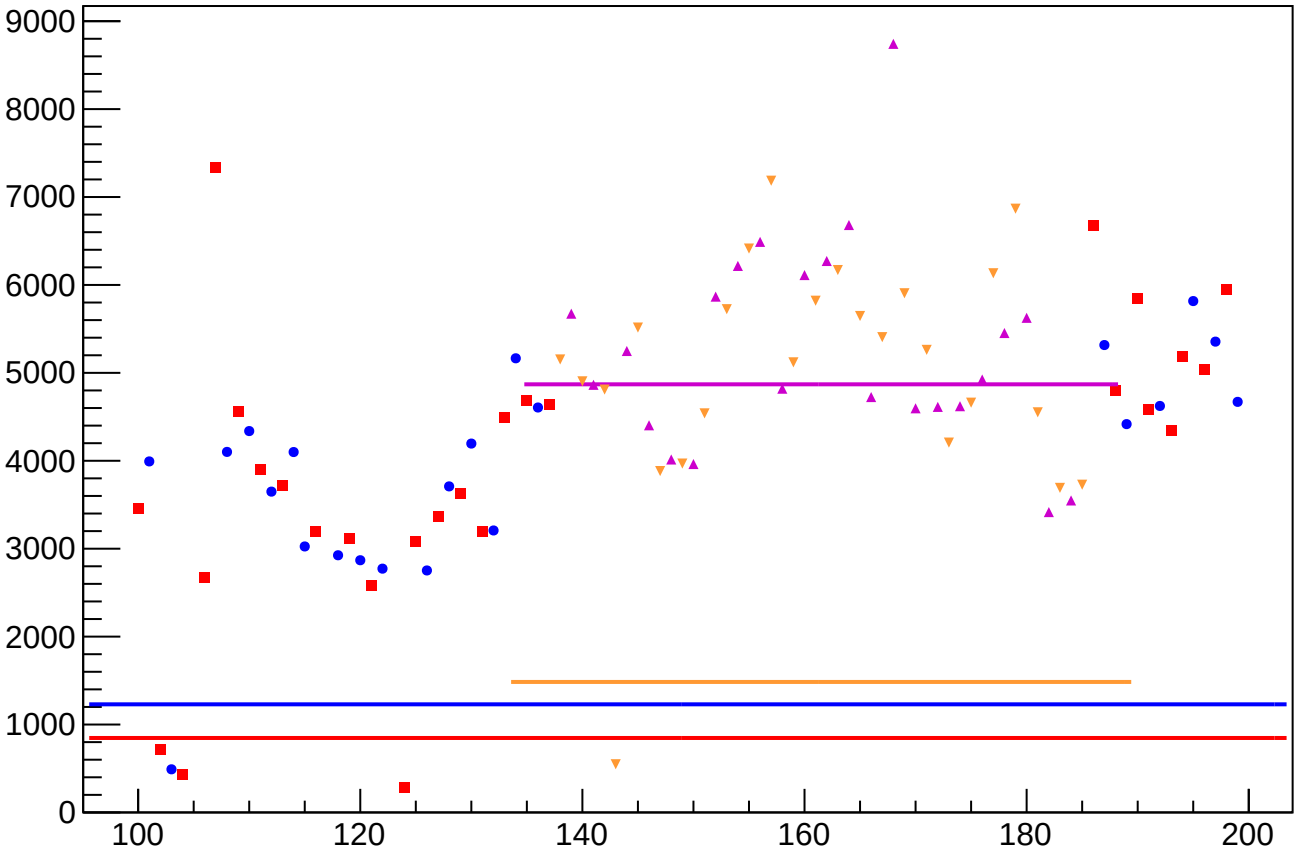
Left: -854.550+/-490.851 χ^2/NDF: 44.7/47

Right: 302.229+/-338.100 χ^2/NDF: 58.0/48

In: 175.221+/-507.023 χ^2/NDF:37.5/44

Out: -175.889+/-333.175 χ^2/NDF:68.6/51

All: -70.000+/-278.439 χ^2/NDF: 106.5/96



Right In: 1229.889+/-0.398 χ^2/NDF: 13333324.1/21

Left Out: 1484.485+/-0.383 χ^2/NDF:23225570.5/24

Right Out: 847.122+/-0.299 χ^2/NDF: 16523123.0/26

Left In: 4869.699+/-0.824 χ^2/NDF:1474252.6/22

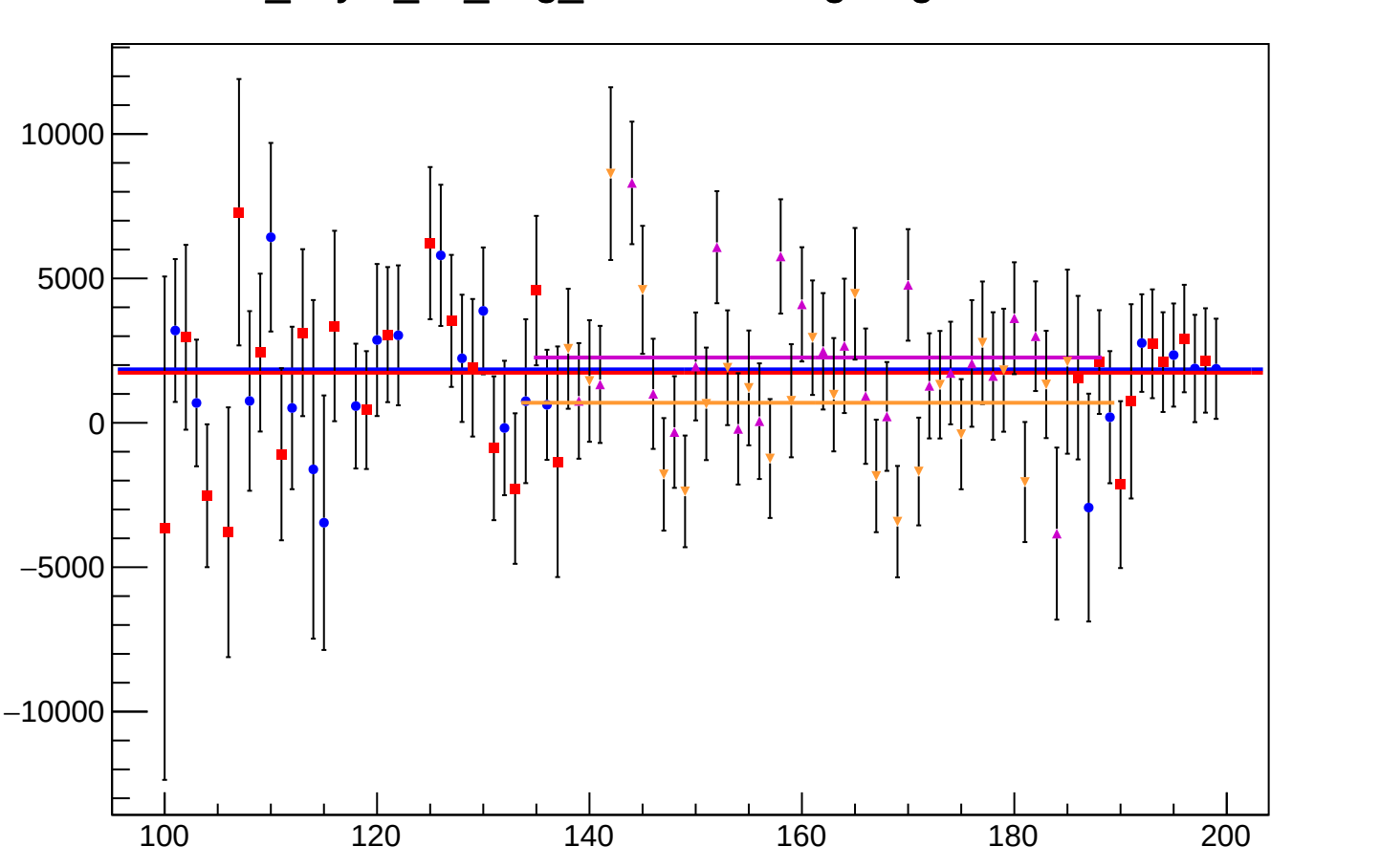
Left: 2085.382+/-0.347 χ^2/NDF: 38588136.1/47

Right: 985.091+/-0.239 χ^2/NDF: 30447363.8/48

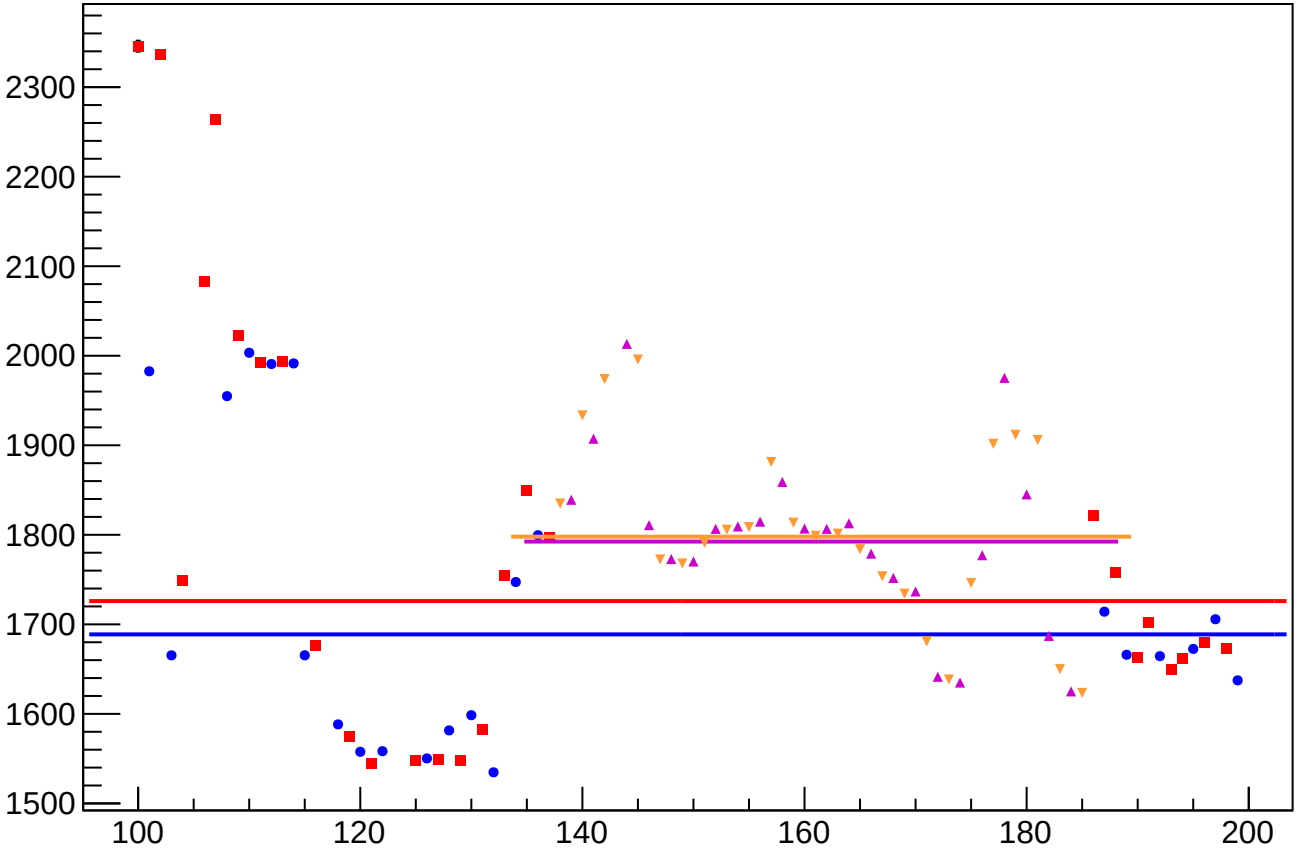
In: 1919.252+/-0.359 χ^2/NDF:30631394.9/44

Out: 1088.649+/-0.236 χ^2/NDF:41471213.5/51

All: 1339.144+/-0.197 χ^2/NDF: 75851282.4/9


dit_asym_atl_avg_mean vs Slug, Sign Corrected
10000
5000
0
−5000
−10000
100
120
140
160
180
200
Right In: 1851.685+/-499.348 χ²/NDF: 12.6/21
Left Out: 694.317+/-418.051 χ²/NDF:32.2/23
Right Out: 1734.389+/-491.268 χ²/NDF: 20.2/25
Left In: 2261.767+/-419.177 χ²/NDF:30.4/22
Left: 1475.934+/-296.004 χ²/NDF: 69.6/46
Right: 1792.080+/-350.201 χ²/NDF: 32.9/47
In: 2092.249+/-321.053 χ²/NDF:43.4/44
Out: 1131.147+/-318.378 χ²/NDF:55.1/49
All: 1607.677+/-226.067 χ²/NDF: 103.0/94

dit_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1688.798+/-0.353 χ^2/NDF: 138860.3/21

Left Out: 1797.909+/-0.296 χ^2/NDF:98002.1/23

Right Out: 1726.006+/-0.347 χ^2/NDF: 264105.7/25

Left In: 1792.450+/-0.296 χ^2/NDF:92875.2/22

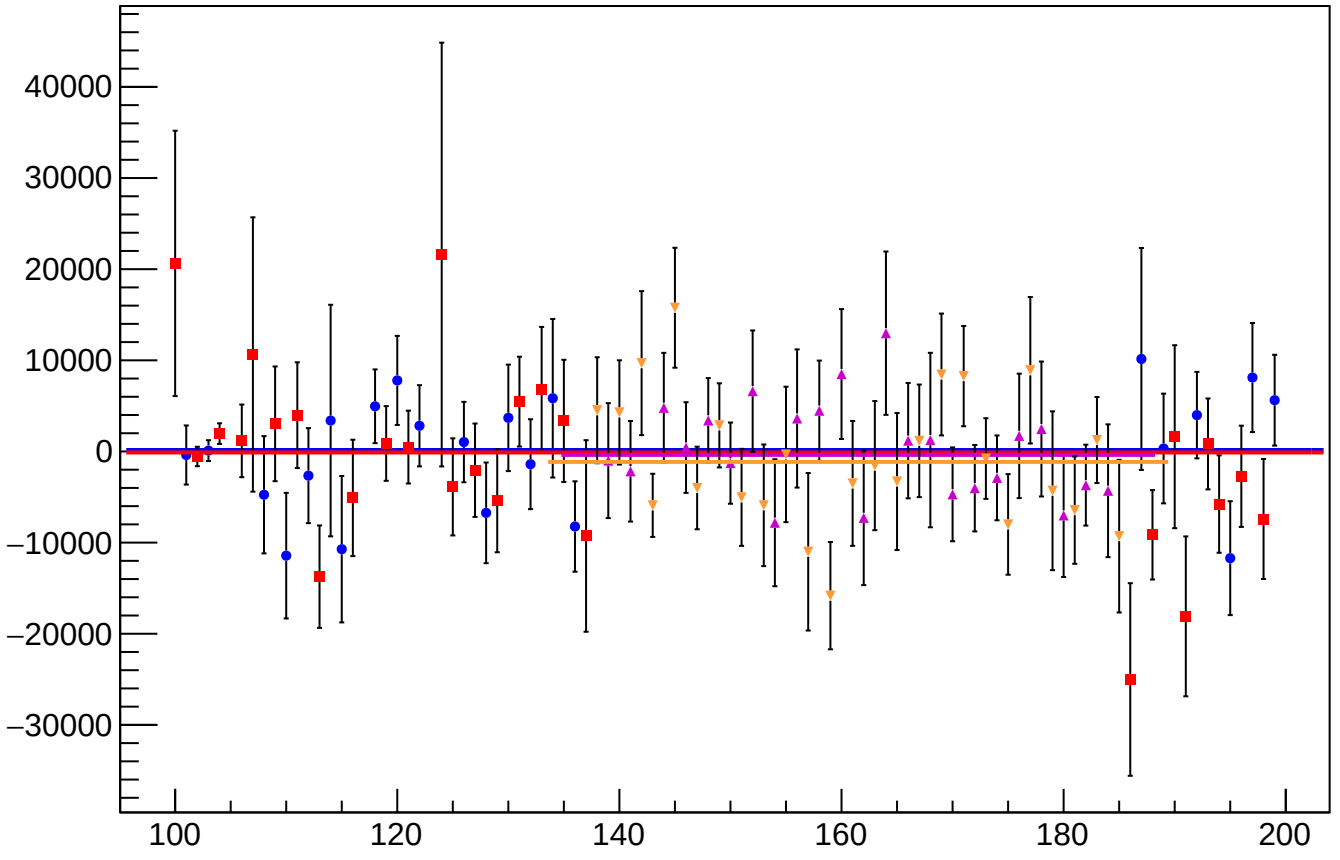
Left: 1795.187+/-0.209 χ^2/NDF: 191047.3/46

Right: 1707.729+/-0.247 χ^2/NDF: 408616.0/47

In: 1749.603+/-0.227 χ^2/NDF:282288.2/44

Out: 1767.666+/-0.225 χ^2/NDF:386993.6/49

All: 1758.715+/-0.160 χ^2/NDF: 672475.5/94



Right In: 160.799+/-816.232 χ^2/NDF: 23.1/21

Left Out: -1144.405+/-1164.458 χ^2/NDF:32.6/24

Right Out: -107.408+/-649.289 χ^2/NDF: 35.0/26

Left In: -374.927+/-1228.699 χ^2/NDF:13.3/22

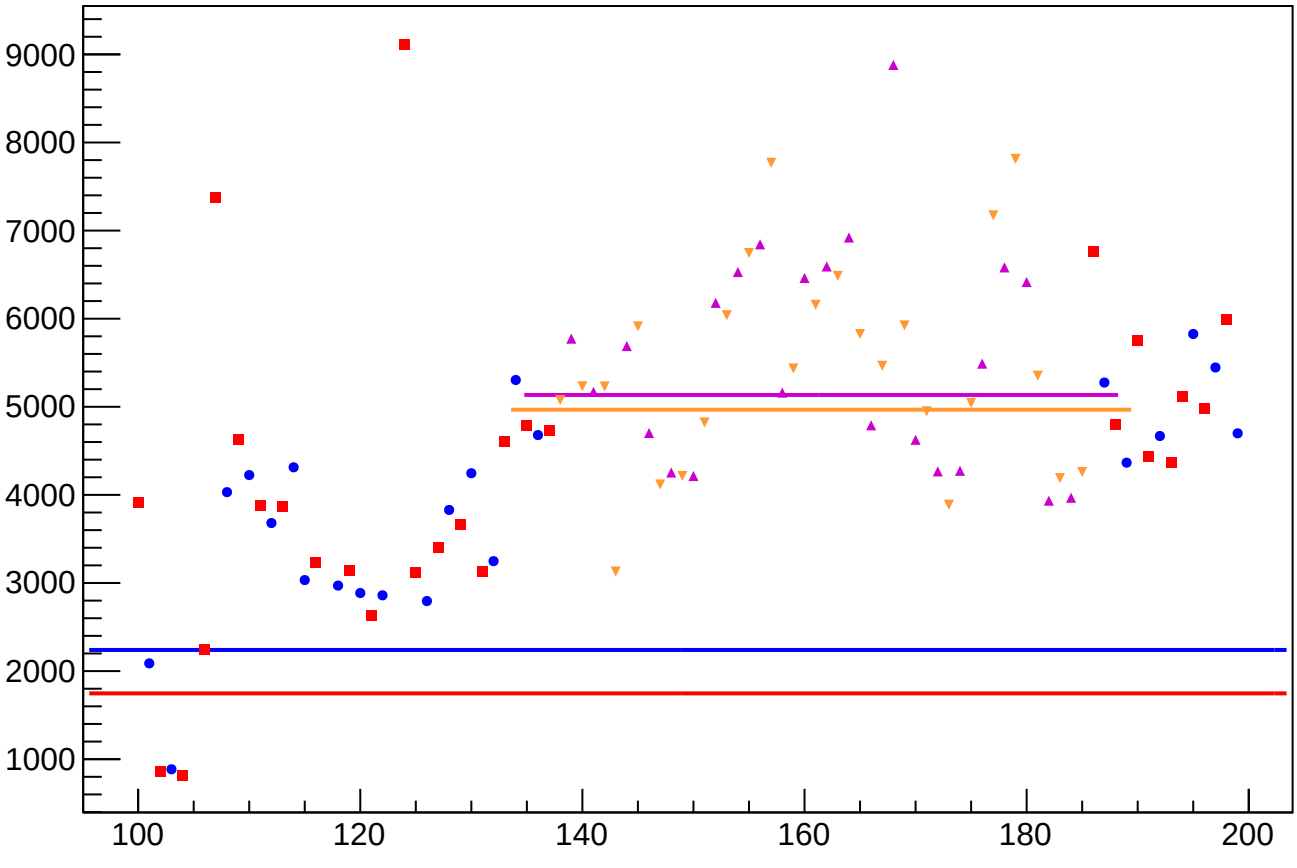
Left: -780.307+/-845.195 χ^2/NDF: 46.0/47

Right: -3.466+/-508.130 χ^2/NDF: 58.1/48

In: -3.231+/-679.886 χ^2/NDF:36.5/44

Out: -353.351+/-567.091 χ^2/NDF:68.1/51

All: -209.704+/-435.488 χ^2/NDF: 104.8/96



Right In: 2239.940+/-0.577 χ^2/NDF: 7372611.7/21

Left Out: 4966.879+/-0.823 χ^2/NDF:1917937.7/24

Right Out: 1747.156+/-0.459 χ^2/NDF: 10966751.9/26

Left In: 5134.445+/-0.869 χ^2/NDF:1487075.9/22

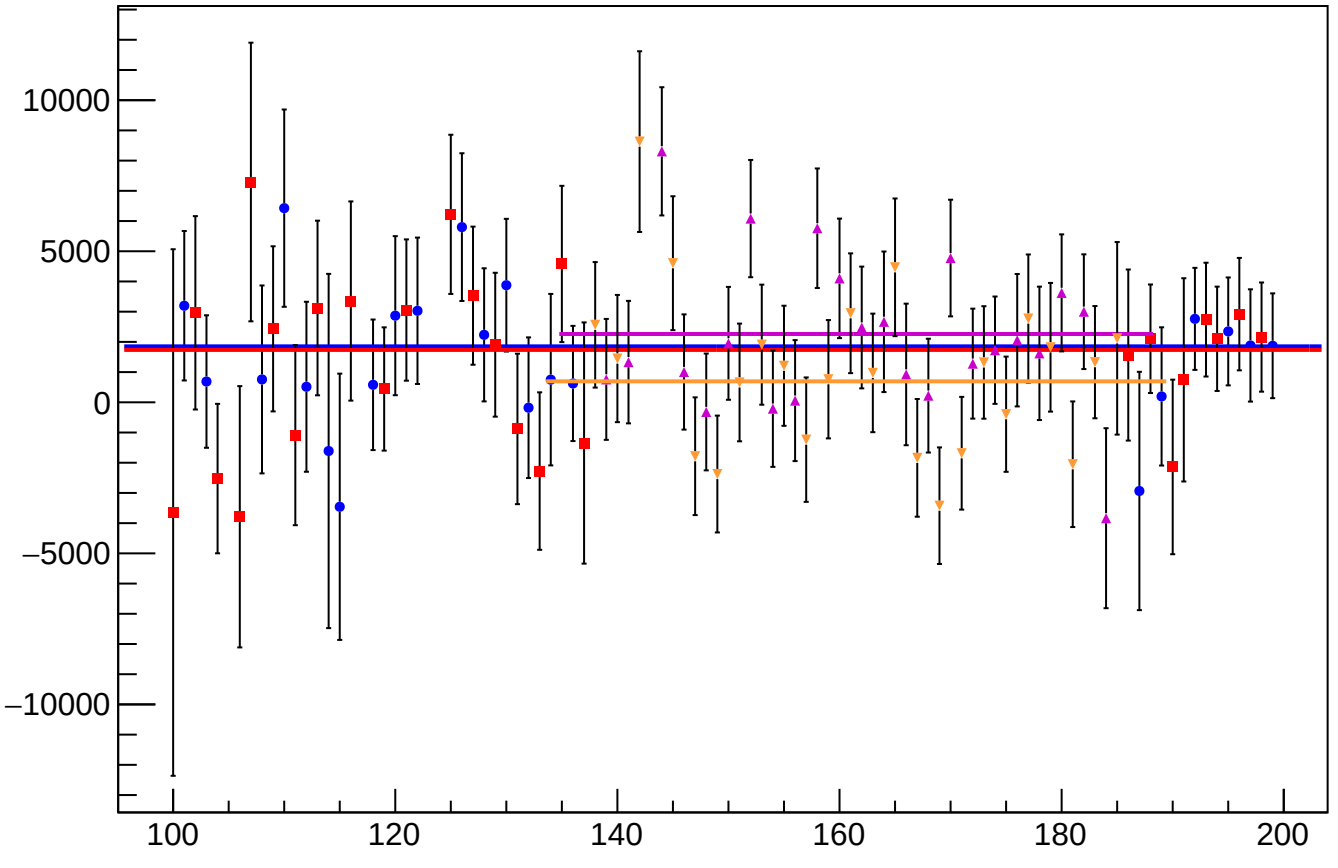
Left: 5046.167+/-0.598 χ^2/NDF: 3424610.1/47

Right: 1938.132+/-0.359 χ^2/NDF: 18785829.3/48

In: 3126.188+/-0.481 χ^2/NDF:16560425.7/44

Out: 2510.774+/-0.401 χ^2/NDF:24548692.6/51

All: 2763.265+/-0.308 χ^2/NDF: 42075479.8/9



Right In: 1851.681+/-499.348 χ^2/NDF: 12.6/21

Left Out: 694.313+/-418.051 χ^2/NDF:32.2/23

Right Out: 1734.386+/-491.268 χ^2/NDF: 20.2/25

Left In: 2261.767+/-419.177 χ^2/NDF:30.4/22

Left: 1475.932+/-296.004 χ^2/NDF: 69.6/46

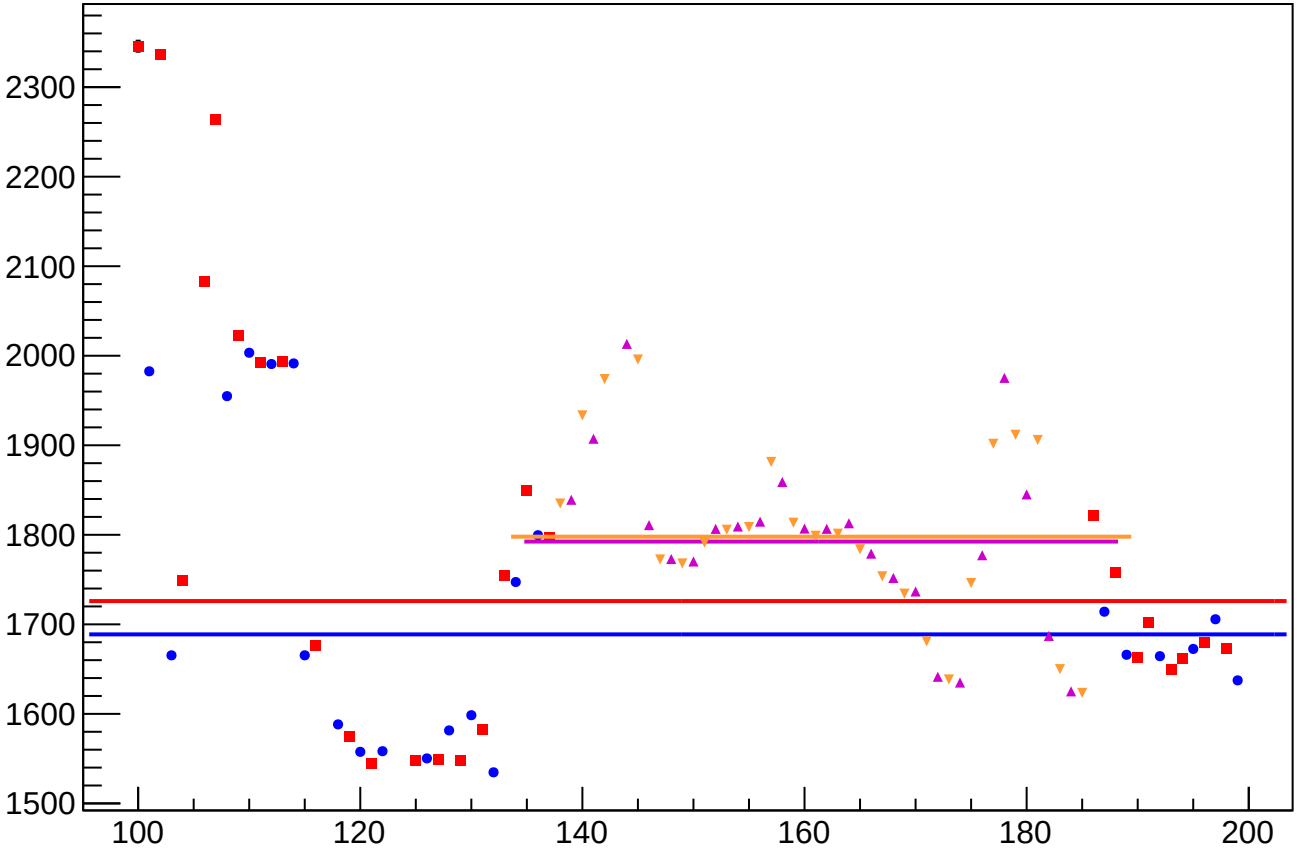
Right: 1792.077+/-350.201 χ^2/NDF: 32.9/47

In: 2092.246+/-321.053 χ^2/NDF:43.4/44

Out: 1131.144+/-318.378 χ^2/NDF:55.1/49

All: 1607.674+/-226.067 χ^2/NDF: 103.0/94

eigen_dit_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1688.797+/-0.353 χ^2/NDF: 138860.6/21

Left Out: 1797.911+/-0.296 χ^2/NDF:98005.5/23

Right Out: 1726.006+/-0.347 χ^2/NDF: 264105.0/25

Left In: 1792.451+/-0.296 χ^2/NDF:92878.6/22

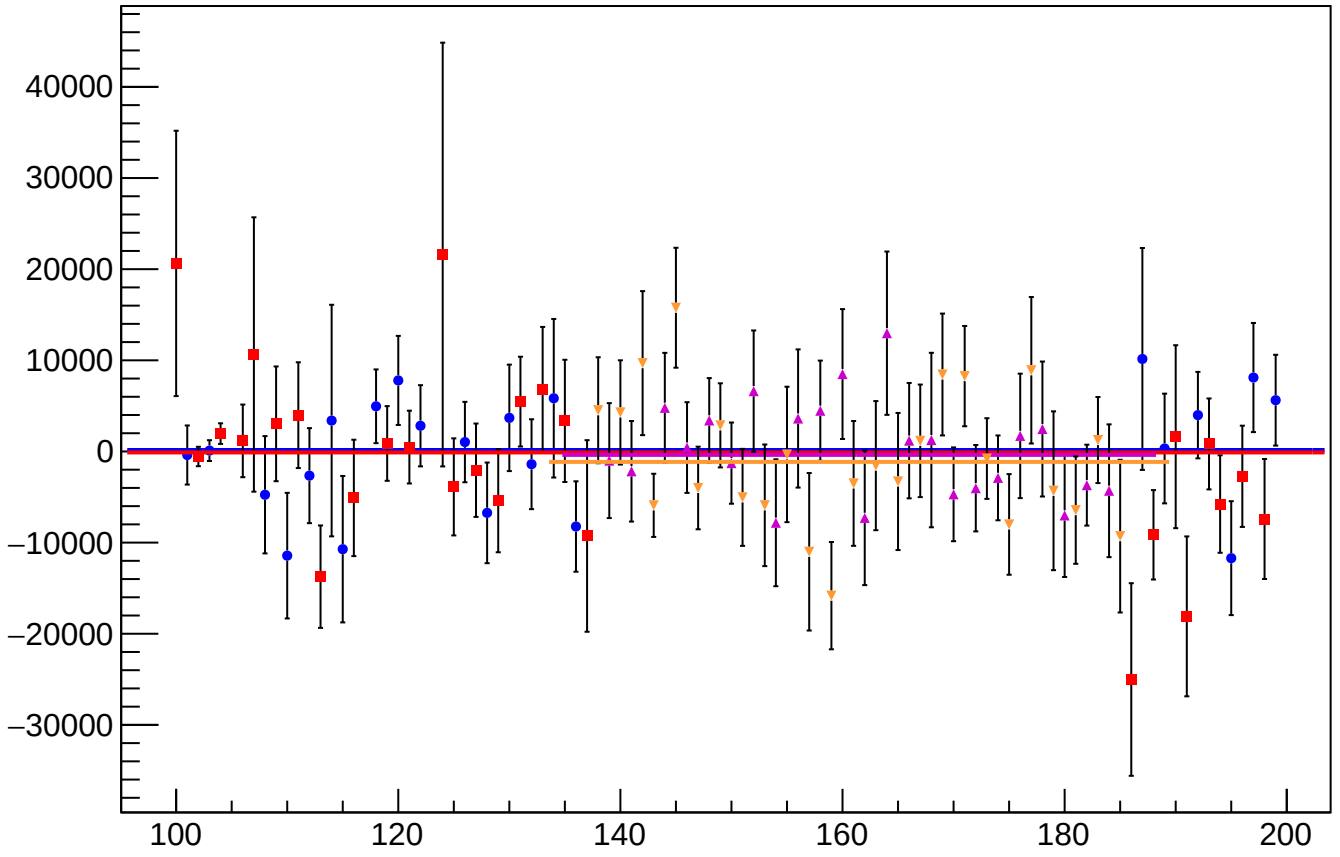
Left: 1795.188+/-0.209 χ^2/NDF: 191054.1/46

Right: 1707.729+/-0.247 χ^2/NDF: 408615.5/47

In: 1749.603+/-0.227 χ^2/NDF:282293.1/44

Out: 1767.667+/-0.225 χ^2/NDF:386997.3/49

All: 1758.715+/-0.160 χ^2/NDF: 672484.1/94



Right In: 160.800+/-816.228 χ^2/NDF: 23.1/21

Left Out: -1144.411+/-1164.460 χ^2/NDF:32.6/24

Right Out: -107.402+/-649.285 χ^2/NDF: 35.0/26

Left In: -374.928+/-1228.701 χ^2/NDF:13.3/22

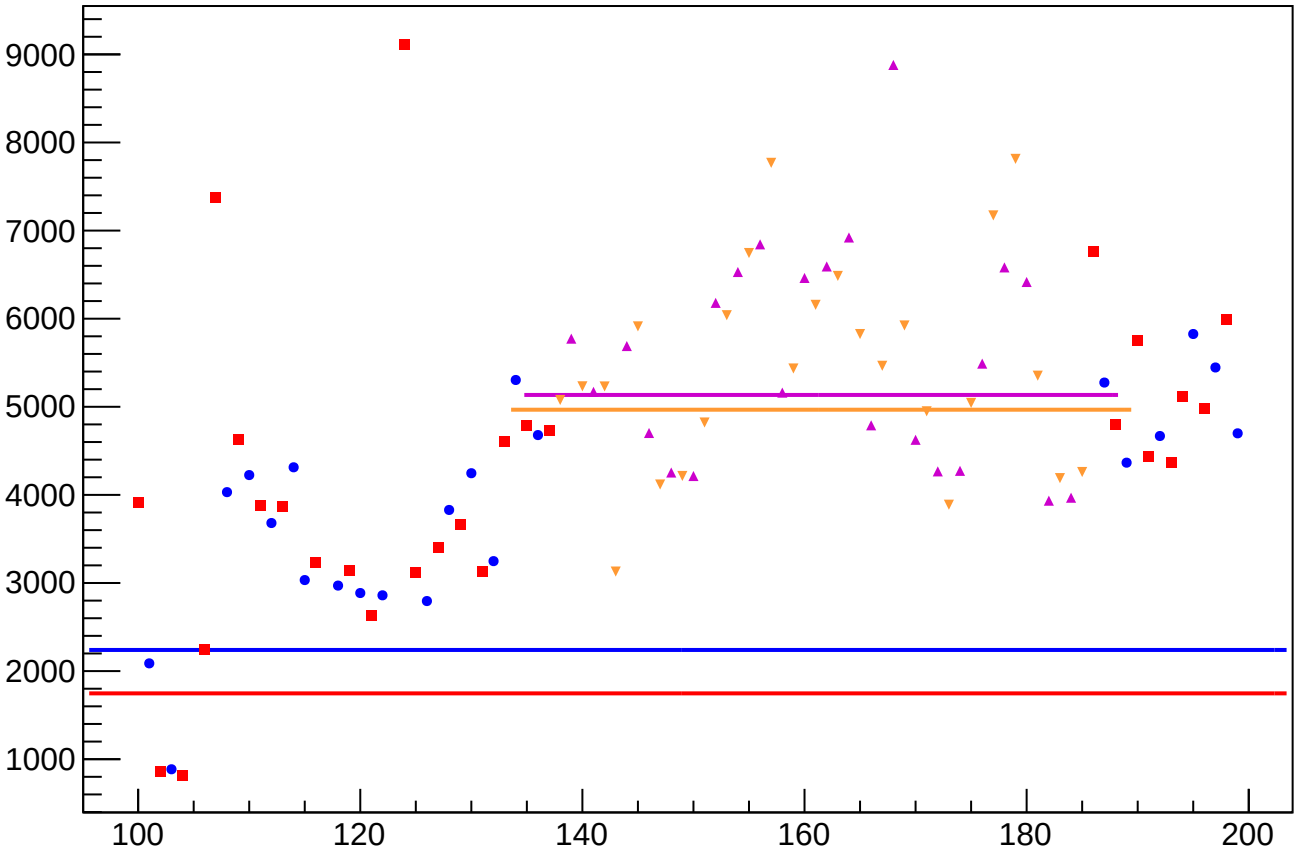
Left: -780.311+/-845.196 χ^2/NDF: 46.0/47

Right: -3.461+/-508.127 χ^2/NDF: 58.1/48

In: -3.229+/-679.884 χ^2/NDF:36.5/44

Out: -353.345+/-567.088 χ^2/NDF:68.1/51

All: -209.700+/-435.486 χ^2/NDF: 104.8/96



Right In: 2239.921+/-0.577 χ^2/NDF: 7372689.8/21

Left Out: 4966.886+/-0.823 χ^2/NDF:1917943.9/24

Right Out: 1747.140+/-0.459 χ^2/NDF: 10966834.9/26

Left In: 5134.453+/-0.869 χ^2/NDF:1487077.8/22

Left: 5046.175+/-0.598 χ^2/NDF: 3424618.3/47

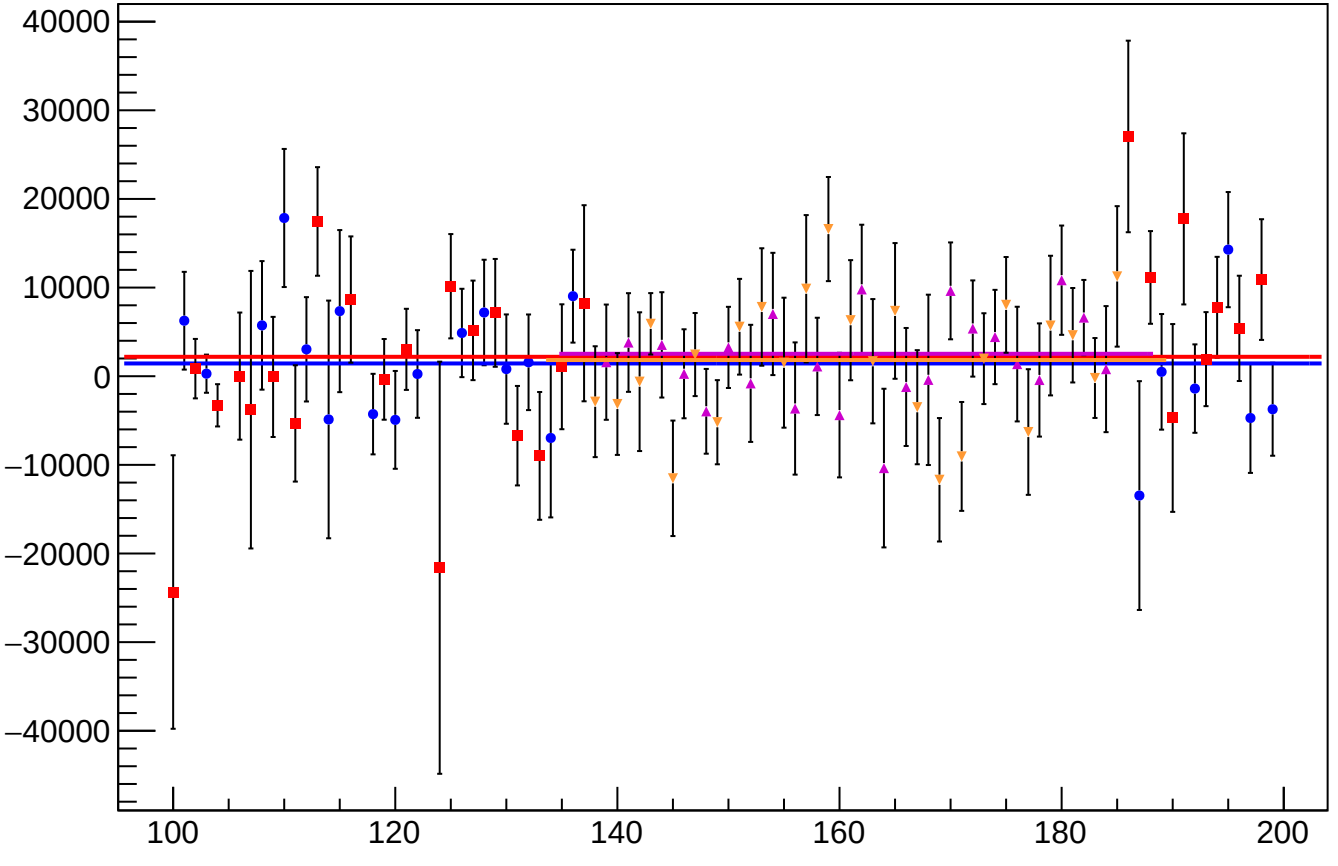
Right: 1938.115+/-0.359 χ^2/NDF: 18785992.1/48

In: 3126.169+/-0.481 χ^2/NDF:16560658.9/44

Out: 2510.753+/-0.401 χ^2/NDF:24548965.5/51

All: 2763.245+/-0.308 χ^2/NDF: 42075997.4/9

asym_atl_avg_mean vs Slug, Sign Corrected



Right In: 1439.342+/-1127.588 χ^2/NDF: 21.5/21

Left Out: 1826.201+/-1172.478 χ^2/NDF:31.1/24

Right Out: 2189.585+/-1097.707 χ^2/NDF: 40.6/26

Left In: 2529.501+/-1242.040 χ^2/NDF:13.2/22

Left: 2157.606+/-852.599 χ^2/NDF: 44.4/47

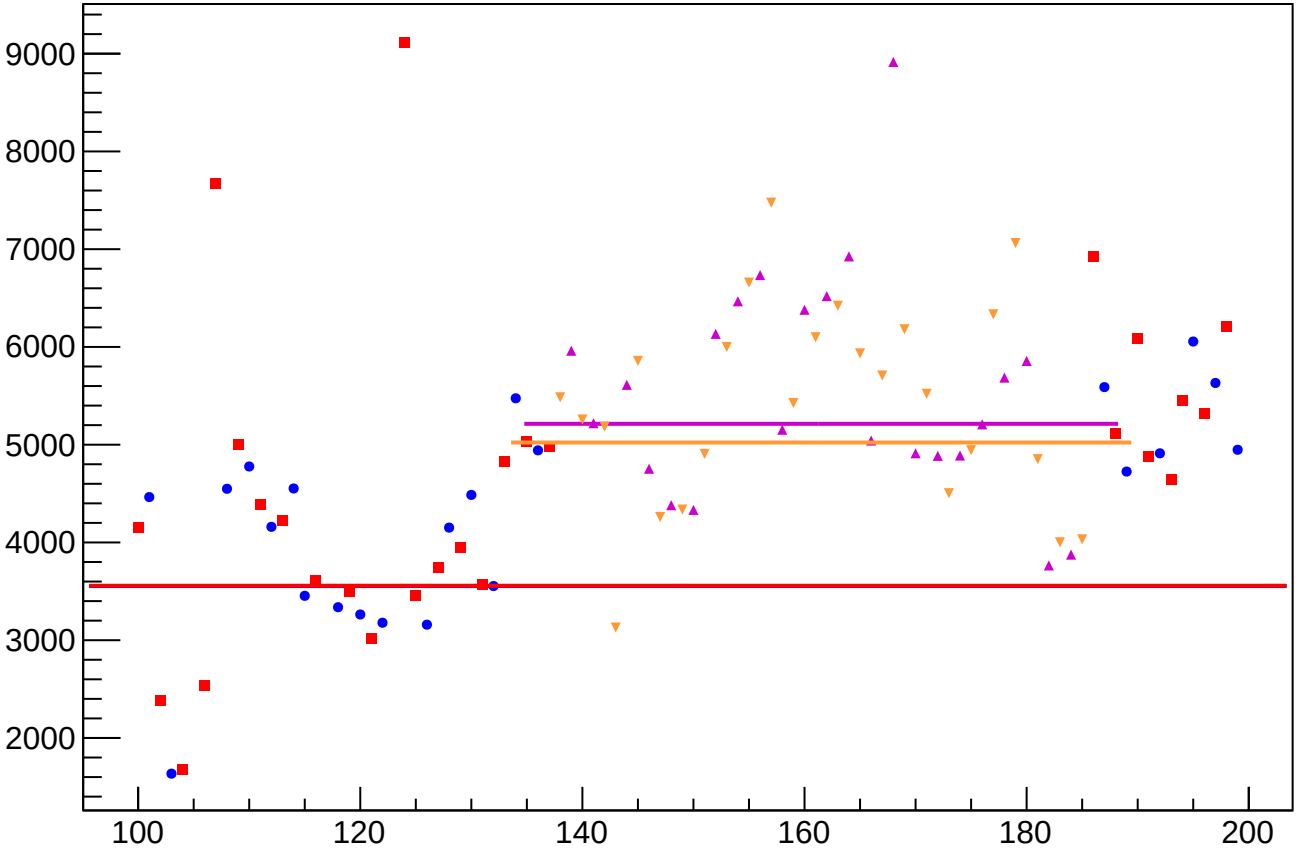
Right: 1824.536+/-786.548 χ^2/NDF: 62.3/48

In: 1931.890+/-834.862 χ^2/NDF:35.1/44

Out: 2019.849+/-801.327 χ^2/NDF:71.8/51

All: 1977.671+/-578.116 χ^2/NDF: 106.9/96

asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 3553.878+/-0.797 χ^2/NDF: 3020188.2/21

Left Out: 5022.407+/-0.829 χ^2/NDF:1676611.8/24

Right Out: 3557.146+/-0.767 χ^2/NDF: 3508627.5/26

Left In: 5213.625+/-0.878 χ^2/NDF:1223192.9/22

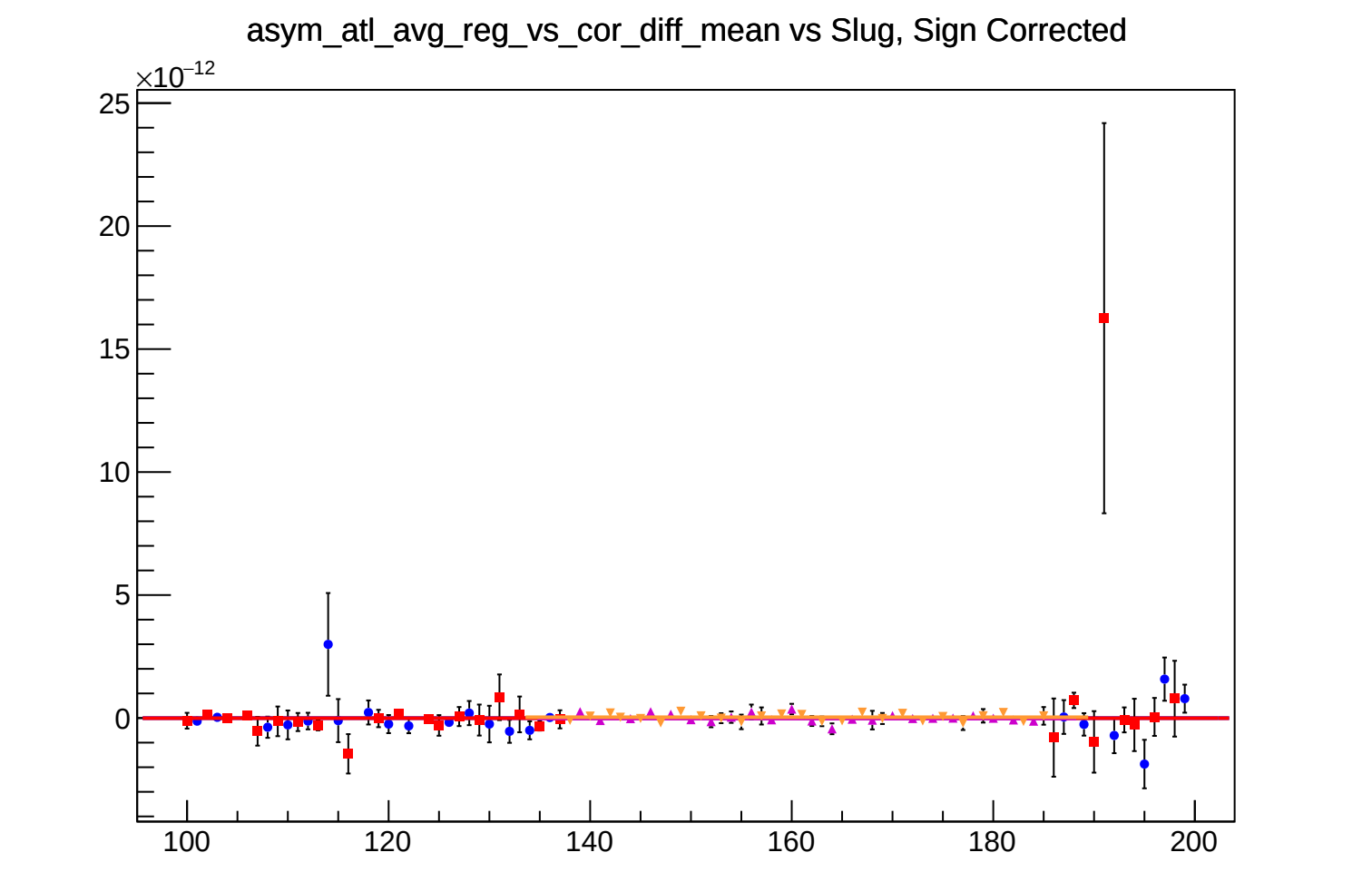
Left: 5112.512+/-0.603 χ^2/NDF: 2924871.4/47

Right: 3555.576+/-0.553 χ^2/NDF: 6528824.4/48

In: 4303.772+/-0.590 χ^2/NDF:6201197.6/44

Out: 4232.591+/-0.563 χ^2/NDF:6868927.6/51

All: 4266.488+/-0.407 χ^2/NDF: 13077740.4/9



Right In: -0.000+/-0.000 χ^2/NDF: 20.7/21

Left Out: 0.000+/-0.000 χ^2/NDF:25.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 25.8/26

Left In: -0.000+/-0.000 χ^2/NDF:19.1/22

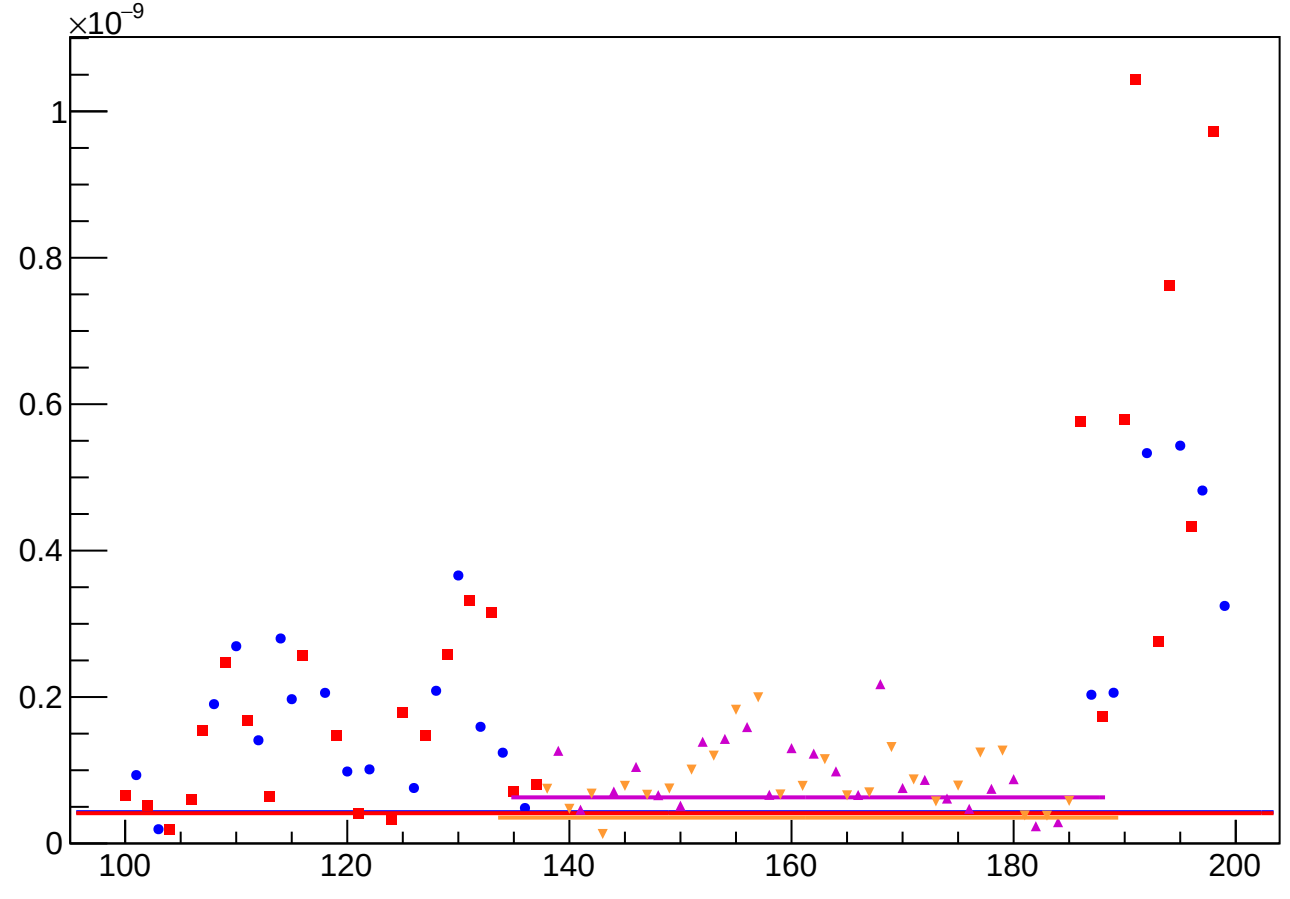
Left: 0.000+/-0.000 χ^2/NDF: 46.3/47

Right: -0.000+/-0.000 χ^2/NDF: 46.5/48

In: -0.000+/-0.000 χ^2/NDF:39.9/44

Out: 0.000+/-0.000 χ^2/NDF:51.8/51

All: 0.000+/-0.000 χ^2/NDF: 93.4/96



Right In: 0.000+/-0.000 χ^2/NDF: 5719692.7/21

Left Out: 0.000+/-0.000 χ^2/NDF:6511119.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6308564.3/26

Left In: 0.000+/-0.000 χ^2/NDF:2934305.1/22

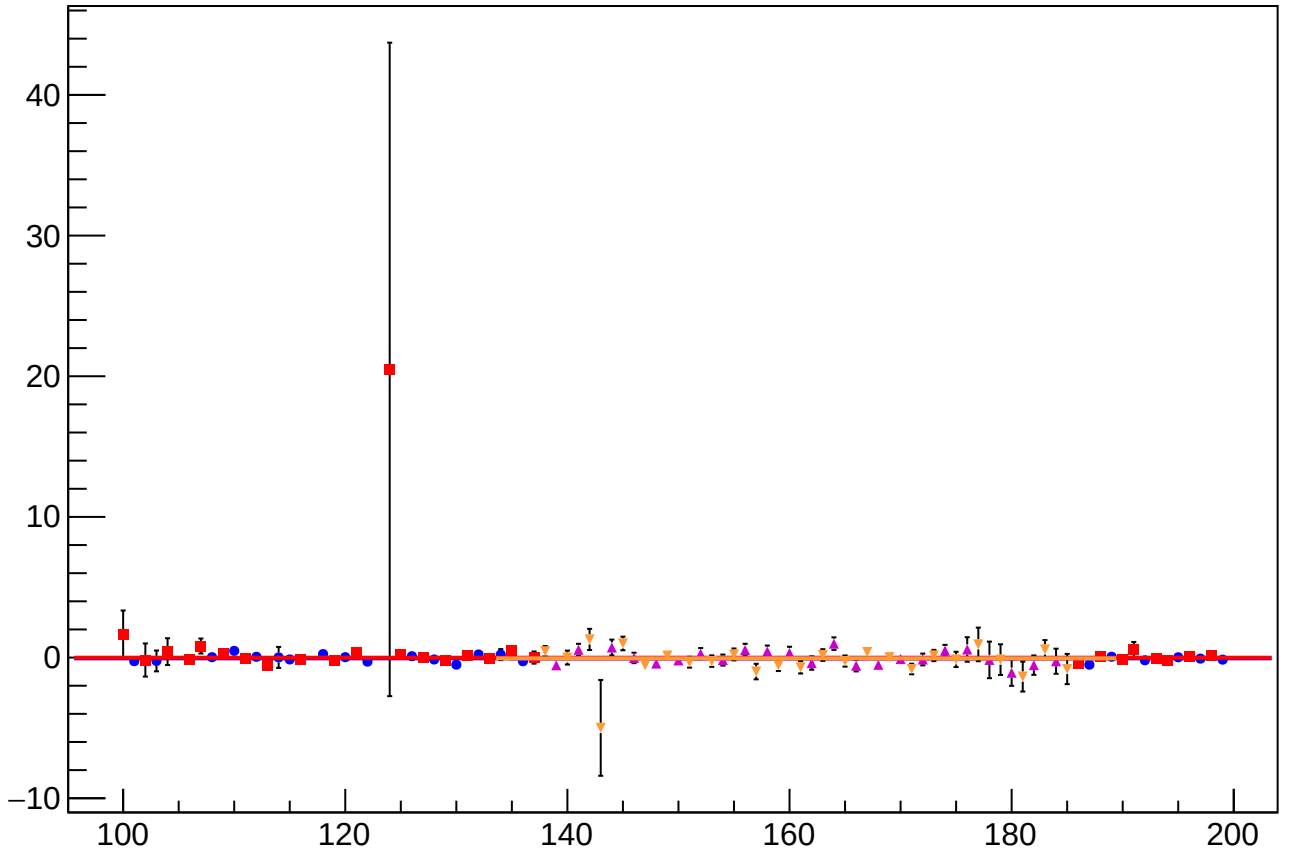
Left: 0.000+/-0.000 χ^2/NDF: 10839622.8/47

Right: 0.000+/-0.000 χ^2/NDF: 12030035.5/48

In: 0.000+/-0.000 χ^2/NDF:9085240.3/44

Out: 0.000+/-0.000 χ^2/NDF:12872999.7/51

All: 0.000+/-0.000 χ^2/NDF: 22877338.1/96



Right In: -0.053+/-0.048 χ^2/NDF: 20.5/21

Left Out: -0.054+/-0.085 χ^2/NDF:33.1/24

Right Out: -0.010+/-0.041 χ^2/NDF: 29.2/26

Left In: -0.063+/-0.083 χ^2/NDF:28.0/22

Left: -0.059+/-0.059 χ^2/NDF: 61.1/47

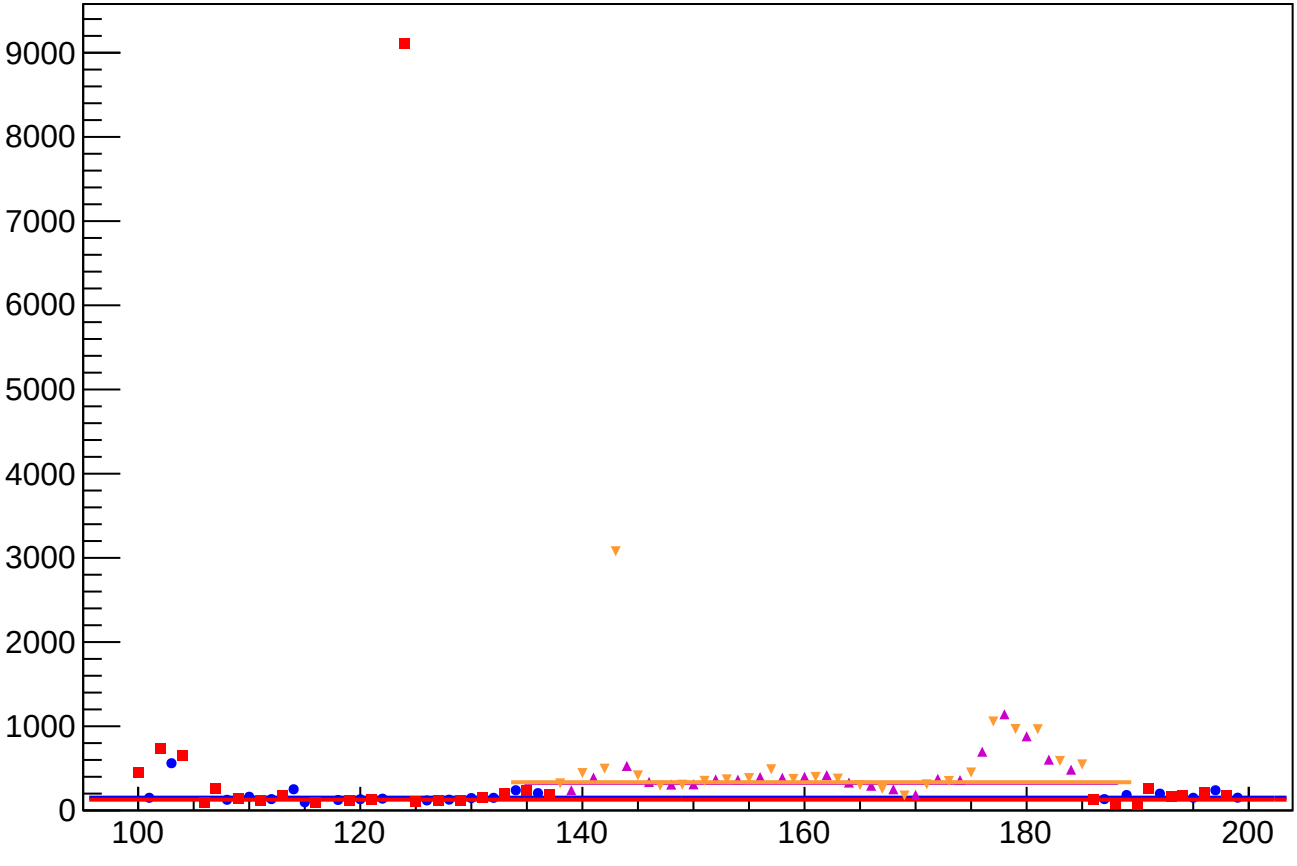
Right: -0.028+/-0.031 χ^2/NDF: 50.2/48

In: -0.056+/-0.042 χ^2/NDF:48.5/44

Out: -0.018+/-0.037 χ^2/NDF:62.6/51

All: -0.035+/-0.028 χ^2/NDF: 111.6/96

asym_atl_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 152.177+/-0.034 χ^2/NDF: 1491688.4/21

Left Out: 335.166+/-0.060 χ^2/NDF:5852083.8/24

Right Out: 128.080+/-0.029 χ^2/NDF: 3620565.3/26

Left In: 327.572+/-0.059 χ^2/NDF:4153081.9/22

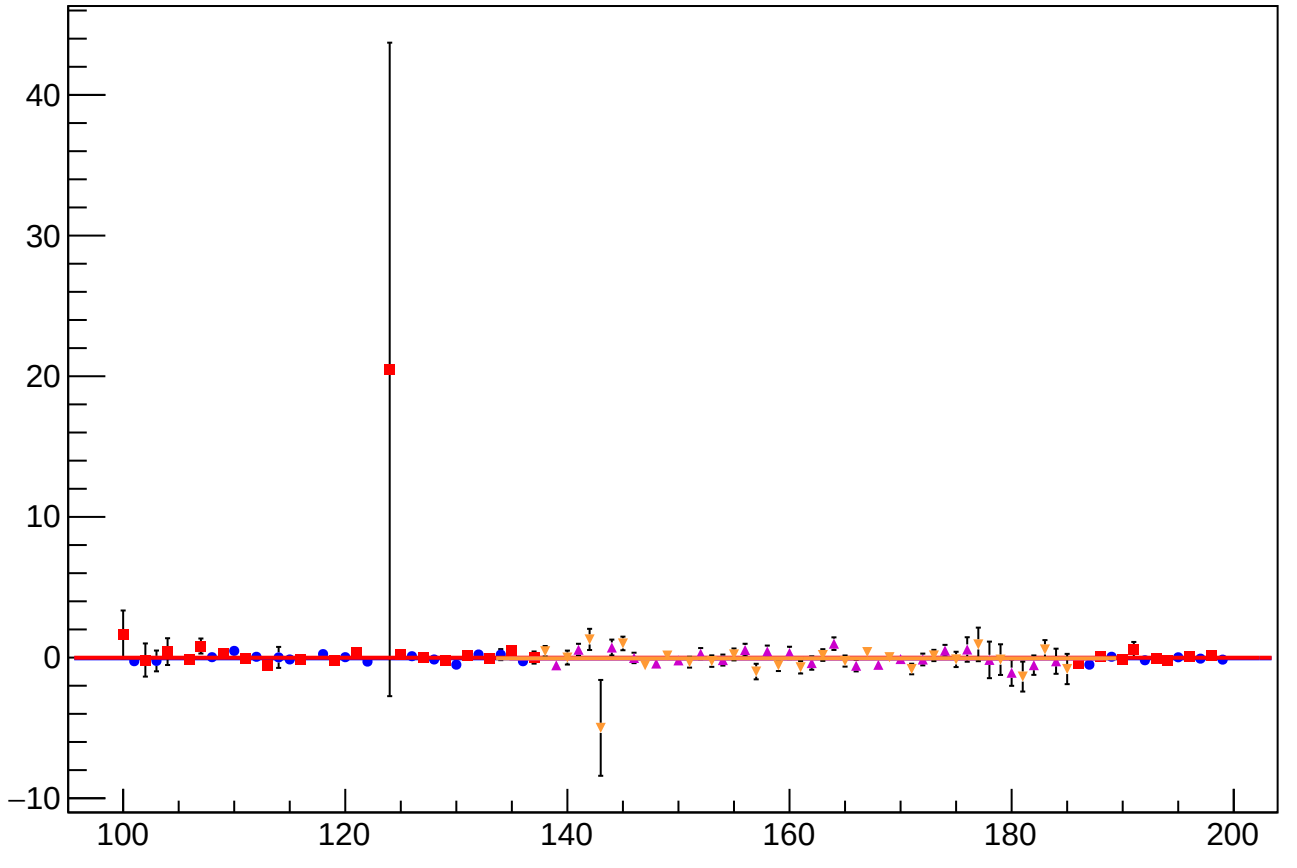
Left: 331.284+/-0.042 χ^2/NDF: 10013400.4/47

Right: 138.257+/-0.022 χ^2/NDF: 5400374.2/48

In: 196.691+/-0.029 χ^2/NDF:12351372.0/44

Out: 167.863+/-0.026 χ^2/NDF:19151877.1/51

All: 180.600+/-0.020 χ^2/NDF: 32037216.9/96



Right In: -0.053+/-0.048 χ^2/NDF: 20.5/21

Left Out: -0.054+/-0.085 χ^2/NDF:33.1/24

Right Out: -0.010+/-0.041 χ^2/NDF: 29.2/26

Left In: -0.063+/-0.083 χ^2/NDF:28.0/22

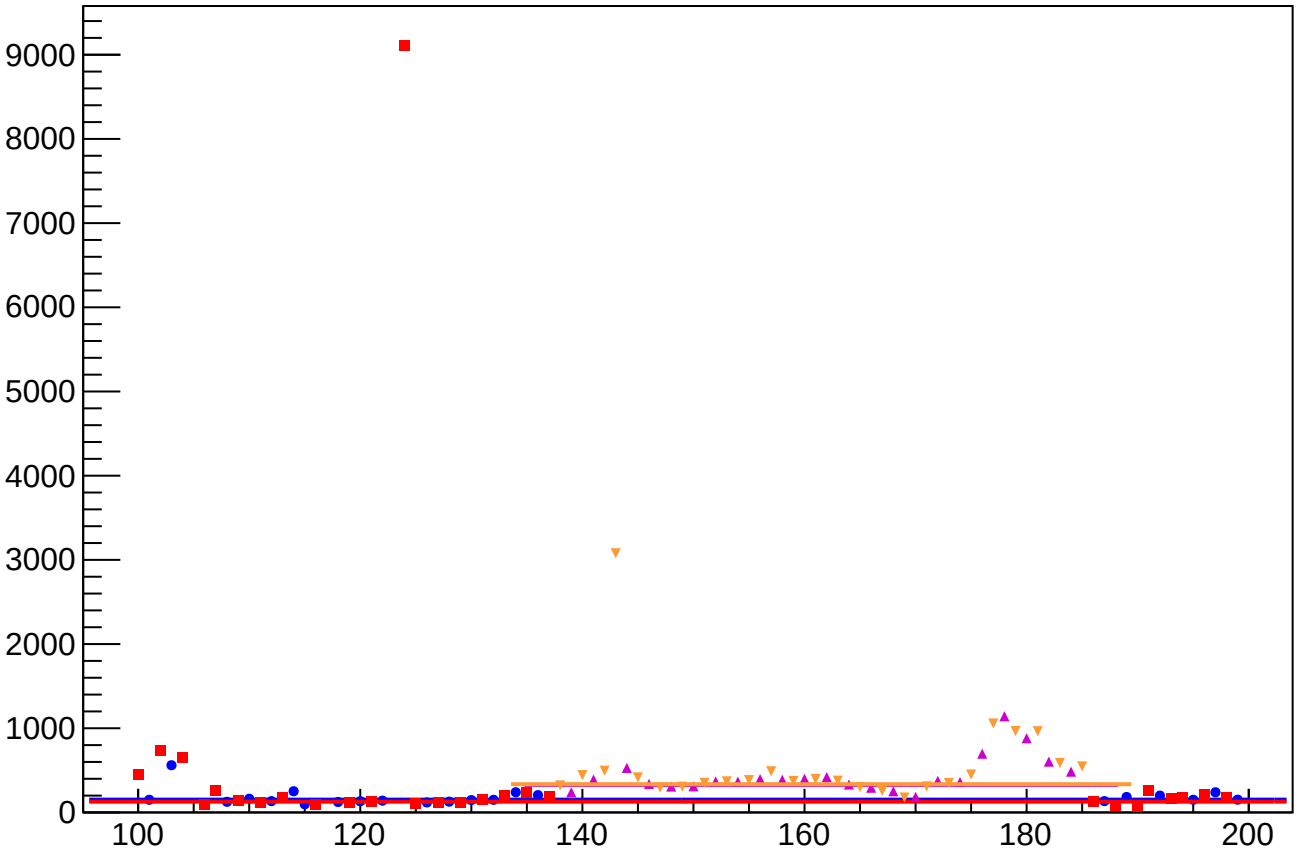
Left: -0.059+/-0.059 χ^2/NDF: 61.1/47

Right: -0.028+/-0.031 χ^2/NDF: 50.2/48

In: -0.056+/-0.042 χ^2/NDF:48.5/44

Out: -0.018+/-0.037 χ^2/NDF:62.6/51

All: -0.035+/-0.028 χ^2/NDF: 111.6/96



Right In: 152.177+/-0.034 χ^2/NDF: 1491688.4/21

Left Out: 335.166+/-0.060 χ^2/NDF:5852083.8/24

Right Out: 128.080+/-0.029 χ^2/NDF: 3620565.3/26

Left In: 327.572+/-0.059 χ^2/NDF:4153081.9/22

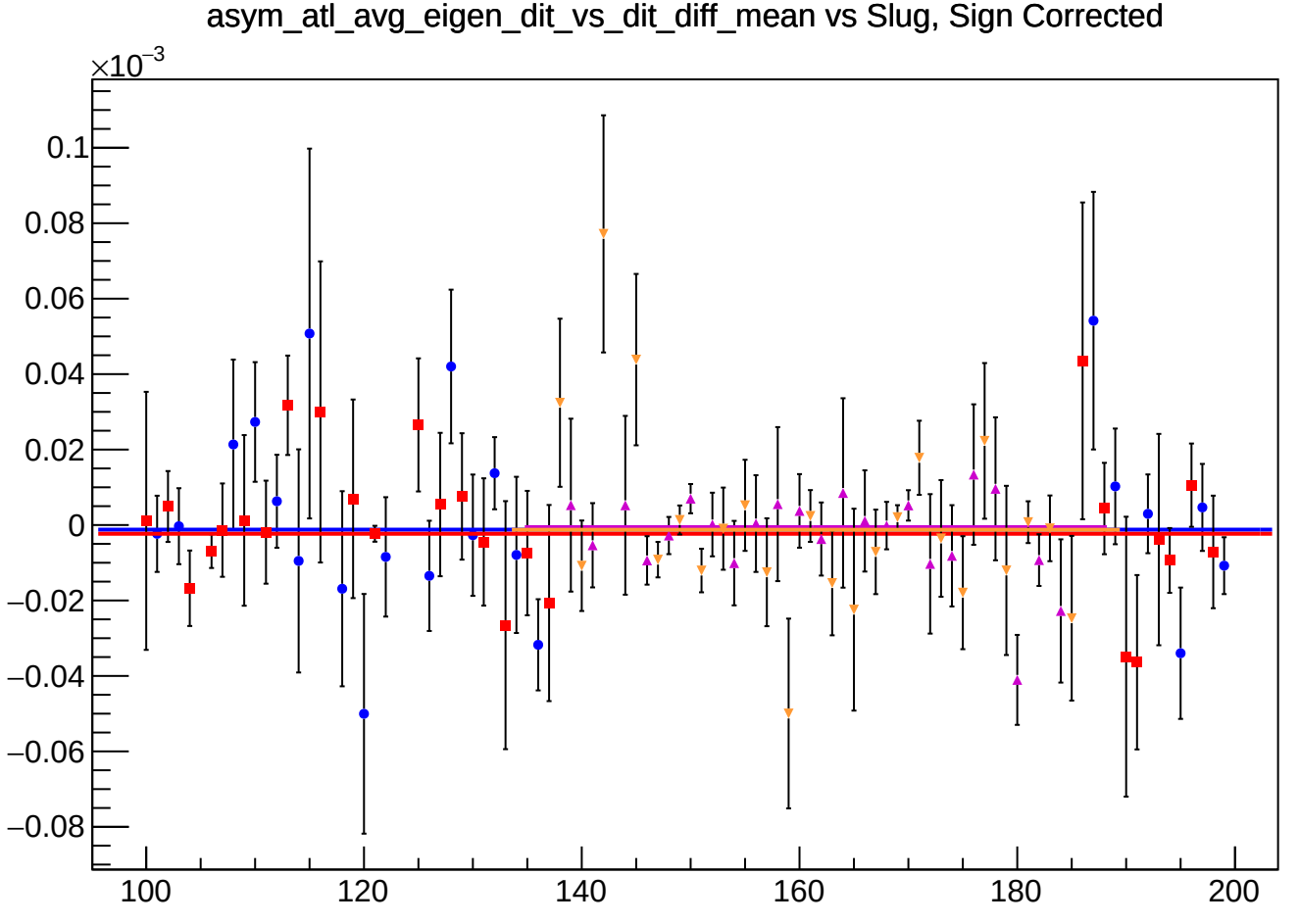
Left: 331.284+/-0.042 χ^2/NDF: 10013400.4/47

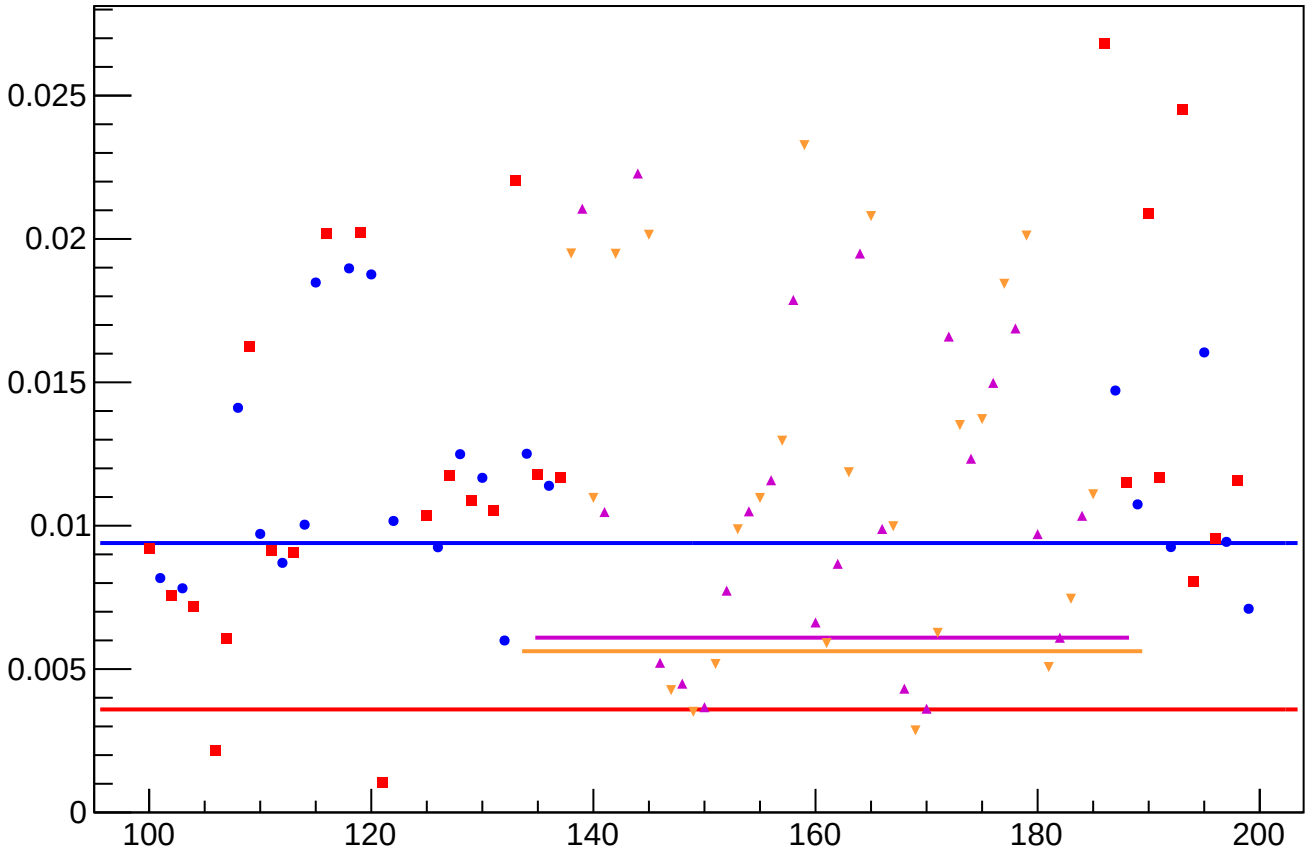
Right: 138.257+/-0.022 χ^2/NDF: 5400374.2/48

In: 196.691+/-0.029 χ^2/NDF:12351372.0/44

Out: 167.863+/-0.026 χ^2/NDF:19151877.1/51

All: 180.600+/-0.020 χ^2/NDF: 32037216.9/96


asym_atl_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.1
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 31.7/21
Left Out: -0.000+/-0.000 χ²/NDF:35.7/23
Right Out: -0.000+/-0.000 χ²/NDF: 22.2/25
Left In: -0.000+/-0.000 χ²/NDF:25.5/22
Left: -0.000+/-0.000 χ²/NDF: 61.3/46
Right: -0.000+/-0.000 χ²/NDF: 54.0/47
In: -0.000+/-0.000 χ²/NDF:57.2/44
Out: -0.000+/-0.000 χ²/NDF:58.1/49
All: -0.000+/-0.000 χ²/NDF: 115.6/94



Right In: 0.009+/-0.000 χ^2/NDF: 1676404.9/21

Left Out: 0.006+/-0.000 χ^2/NDF:11183743.0/23

Right Out: 0.004+/-0.000 χ^2/NDF: 13947578.0/25

Left In: 0.006+/-0.000 χ^2/NDF:8798992.3/22

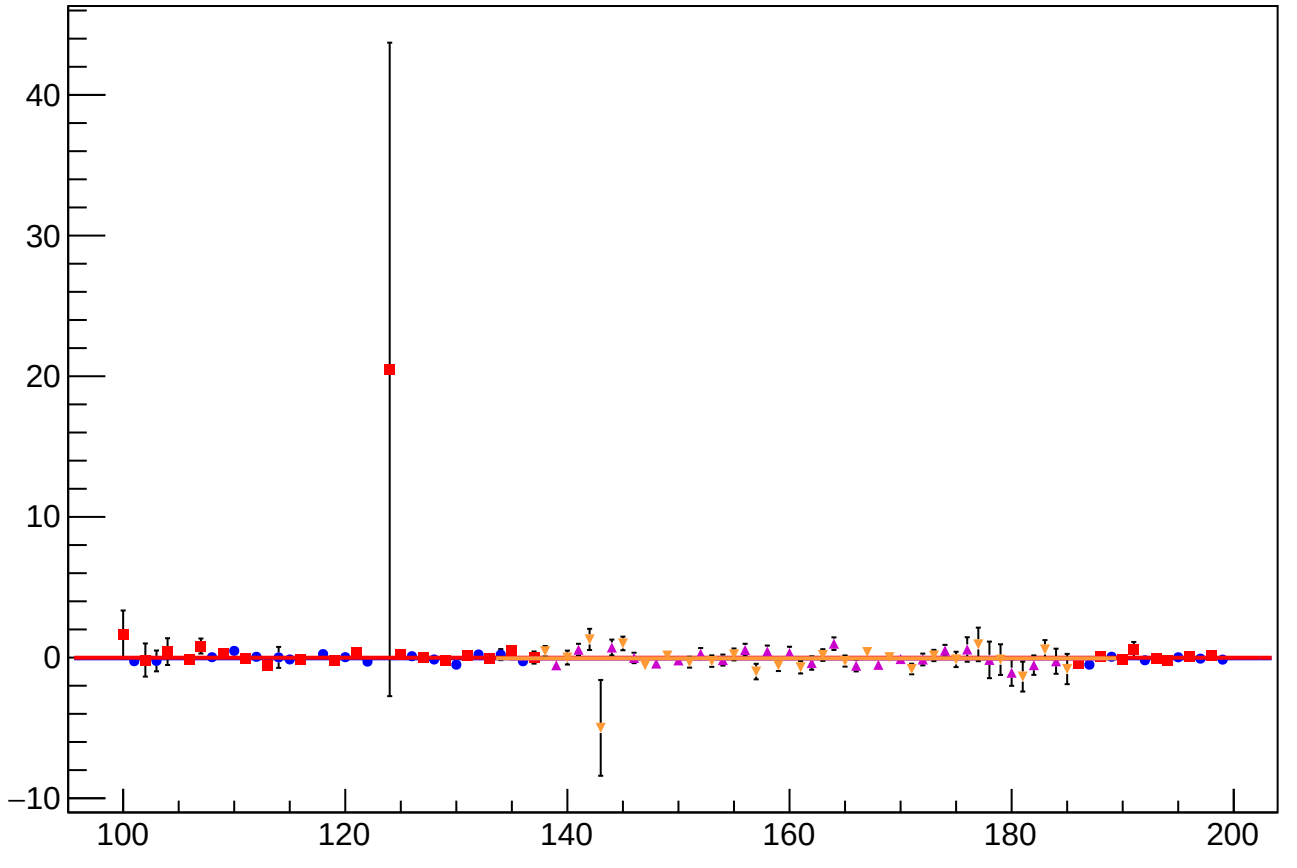
Left: 0.006+/-0.000 χ^2/NDF: 20062256.6/46

Right: 0.005+/-0.000 χ^2/NDF: 21514590.3/47

In: 0.007+/-0.000 χ^2/NDF:12327150.7/44

Out: 0.005+/-0.000 χ^2/NDF:26694230.8/49

All: 0.005+/-0.000 χ^2/NDF: 42048022.5/94



Right In: -0.053+/-0.048 χ^2/NDF: 20.5/21

Left Out: -0.054+/-0.085 χ^2/NDF:33.1/24

Right Out: -0.010+/-0.041 χ^2/NDF: 29.3/26

Left In: -0.063+/-0.083 χ^2/NDF:28.0/22

Left: -0.059+/-0.059 χ^2/NDF: 61.1/47

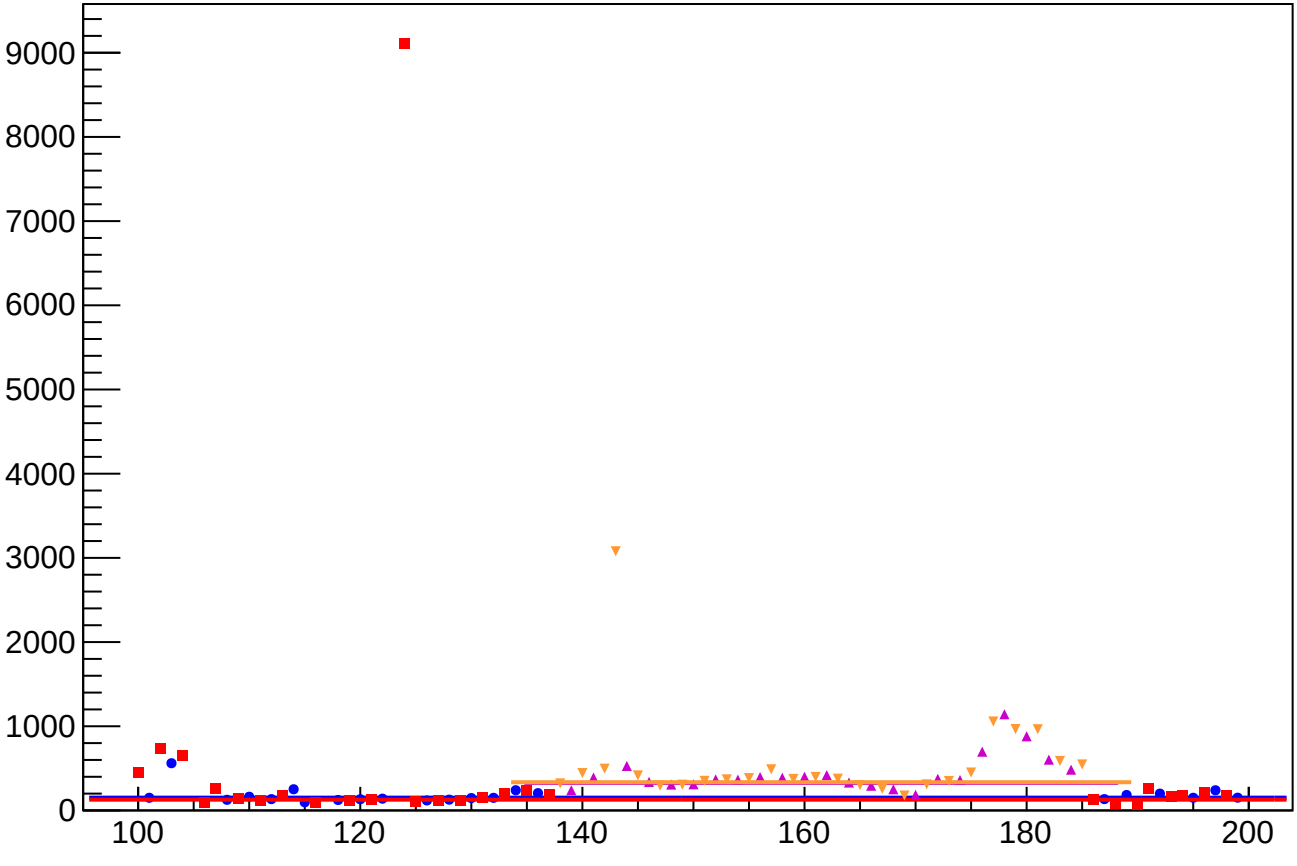
Right: -0.028+/-0.031 χ^2/NDF: 50.2/48

In: -0.056+/-0.042 χ^2/NDF:48.5/44

Out: -0.018+/-0.037 χ^2/NDF:62.6/51

All: -0.035+/-0.028 χ^2/NDF: 111.6/96

asym_atl_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 152.176+/-0.034 χ^2/NDF: 1491712.7/21

Left Out: 335.168+/-0.060 χ^2/NDF:5852151.8/24

Right Out: 128.078+/-0.029 χ^2/NDF: 3620583.9/26

Left In: 327.575+/-0.059 χ^2/NDF:4153087.6/22

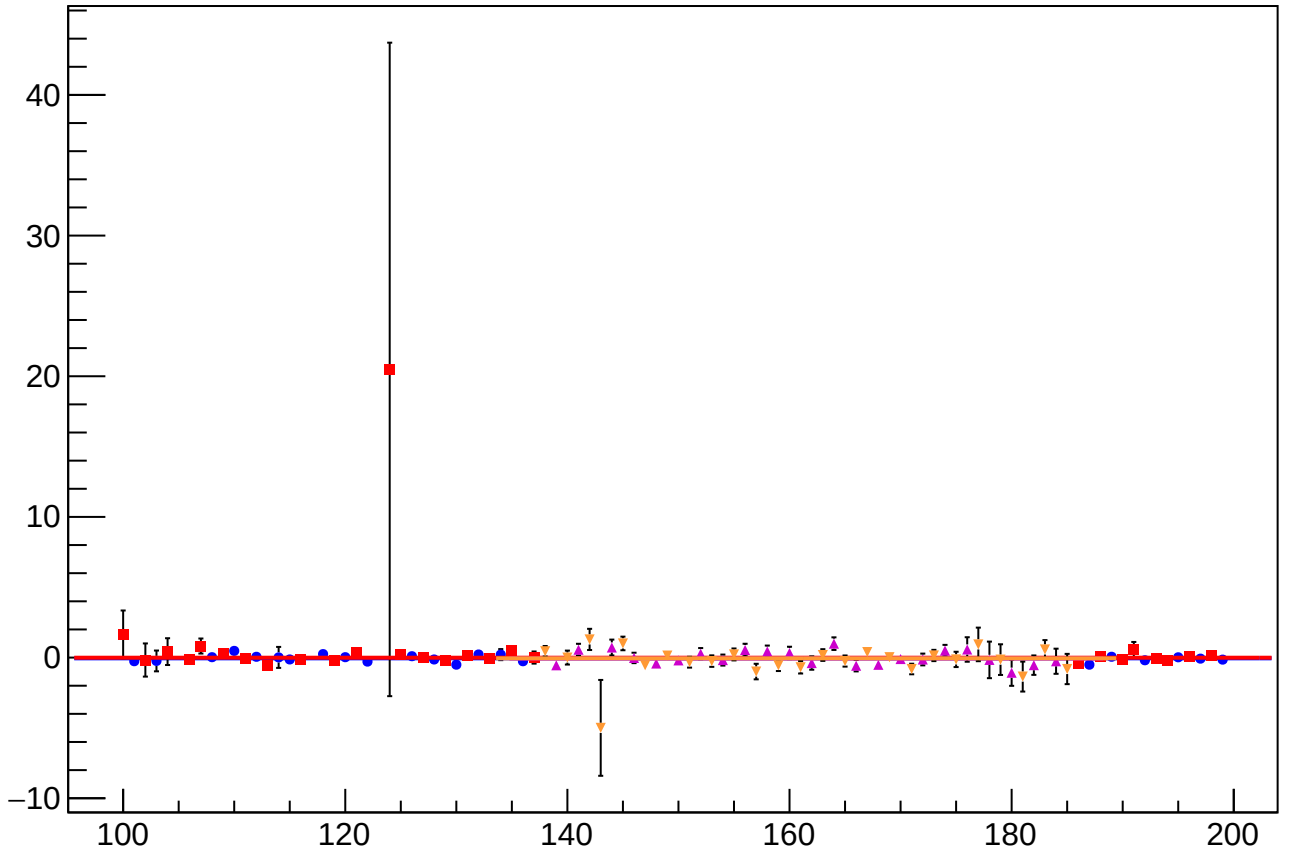
Left: 331.286+/-0.042 χ^2/NDF: 10013472.2/47

Right: 138.255+/-0.022 χ^2/NDF: 5400446.4/48

In: 196.690+/-0.029 χ^2/NDF:12351634.6/44

Out: 167.861+/-0.026 χ^2/NDF:19152289.4/51

All: 180.598+/-0.020 χ^2/NDF: 32037950.6/96



Right In: -0.053+/-0.048 χ^2/NDF: 20.5/21

Left Out: -0.054+/-0.085 χ^2/NDF:33.1/24

Right Out: -0.010+/-0.041 χ^2/NDF: 29.3/26

Left In: -0.063+/-0.083 χ^2/NDF:28.0/22

Left: -0.059+/-0.059 χ^2/NDF: 61.1/47

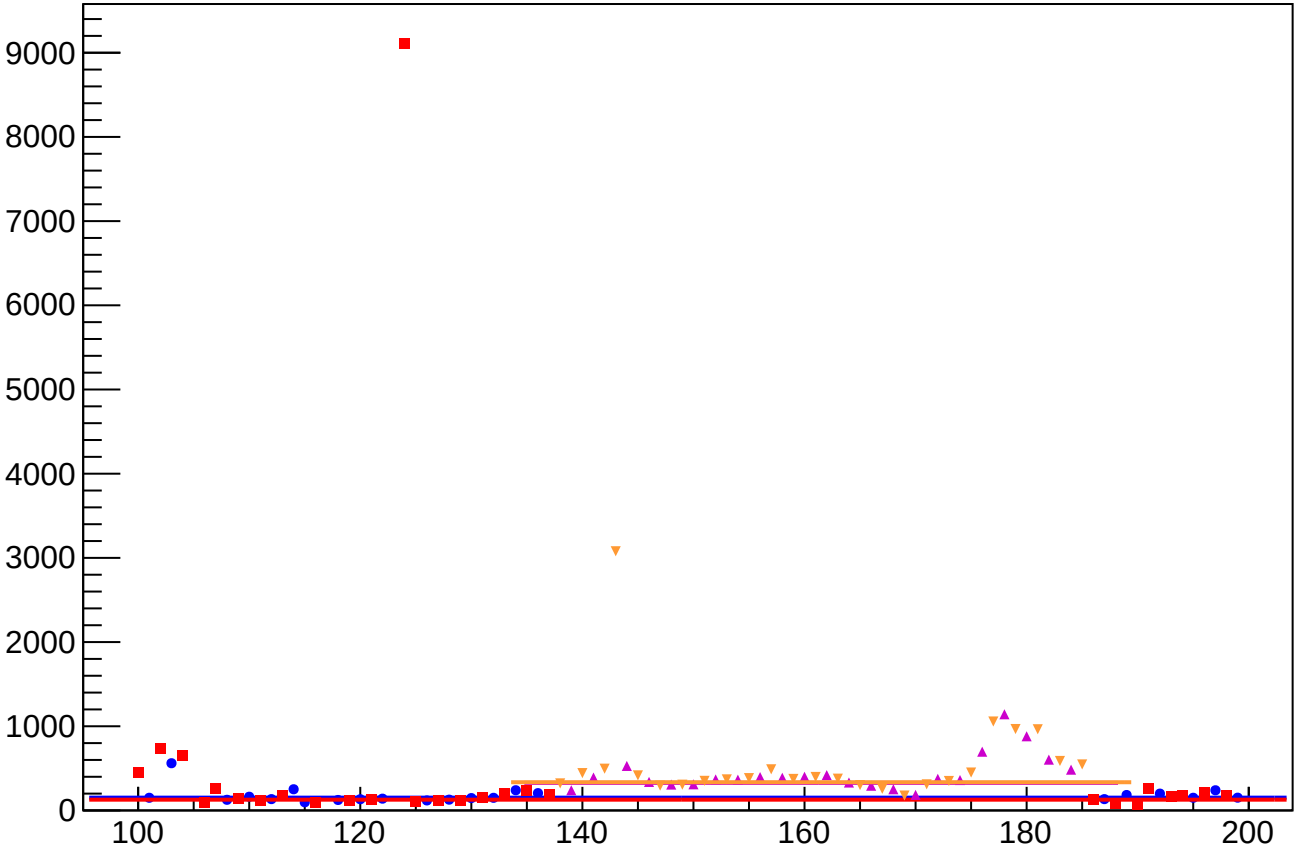
Right: -0.028+/-0.031 χ^2/NDF: 50.2/48

In: -0.056+/-0.042 χ^2/NDF:48.5/44

Out: -0.018+/-0.037 χ^2/NDF:62.6/51

All: -0.035+/-0.028 χ^2/NDF: 111.6/96

asym_atl_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 152.176+/-0.034 χ^2/NDF: 1491712.7/21

Left Out: 335.168+/-0.060 χ^2/NDF:5852151.8/24

Right Out: 128.078+/-0.029 χ^2/NDF: 3620583.9/26

Left In: 327.575+/-0.059 χ^2/NDF:4153087.6/22

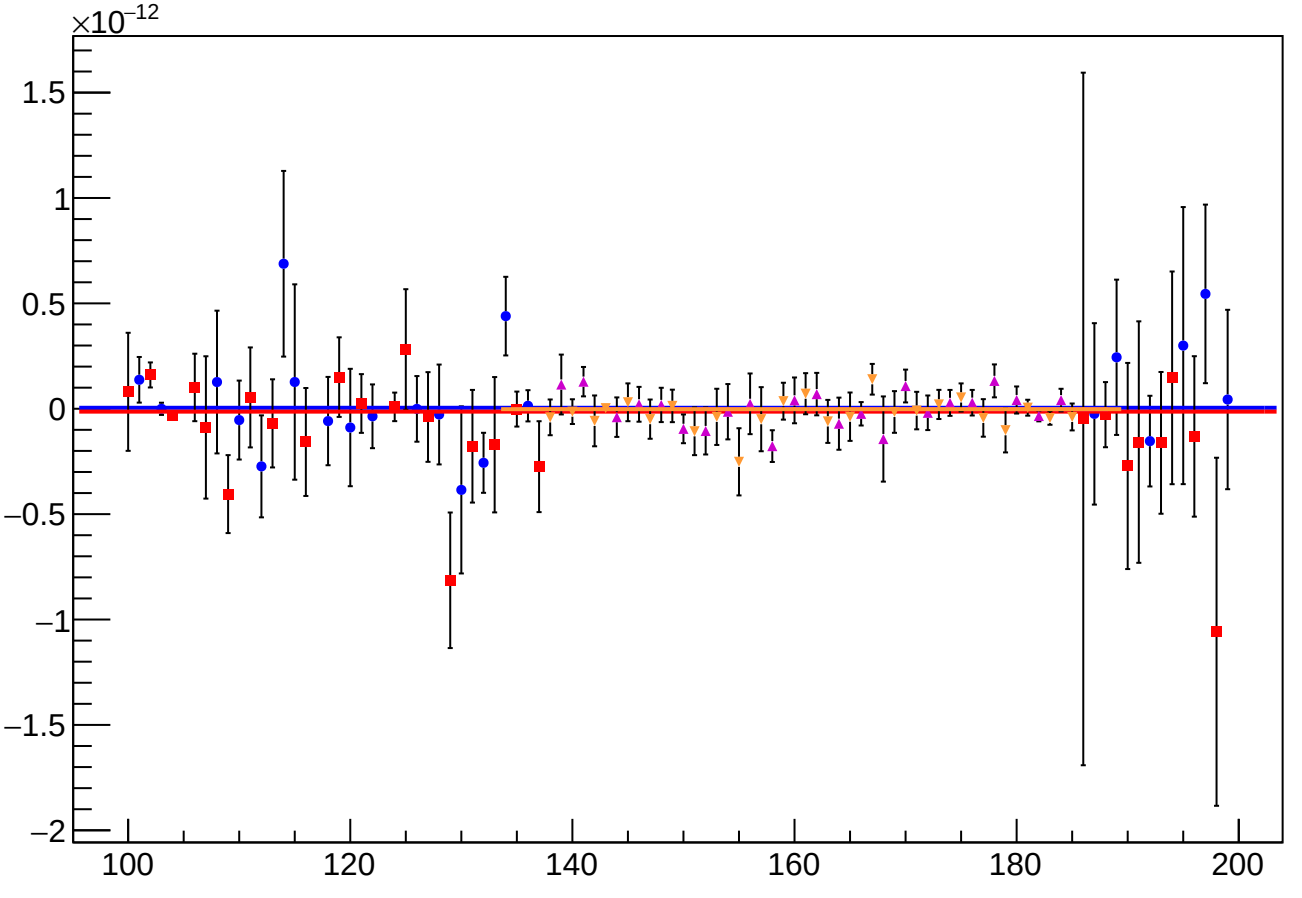
Left: 331.286+/-0.042 χ^2/NDF: 10013472.2/47

Right: 138.255+/-0.022 χ^2/NDF: 5400446.4/48

In: 196.690+/-0.029 χ^2/NDF:12351634.6/44

Out: 167.861+/-0.026 χ^2/NDF:19152289.4/51

All: 180.598+/-0.020 χ^2/NDF: 32037950.6/96



Right In: 0.000+/-0.000 χ^2/NDF: 18.4/21

Left Out: -0.000+/-0.000 χ^2/NDF:13.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 27.5/26

Left In: -0.000+/-0.000 χ^2/NDF:22.5/22

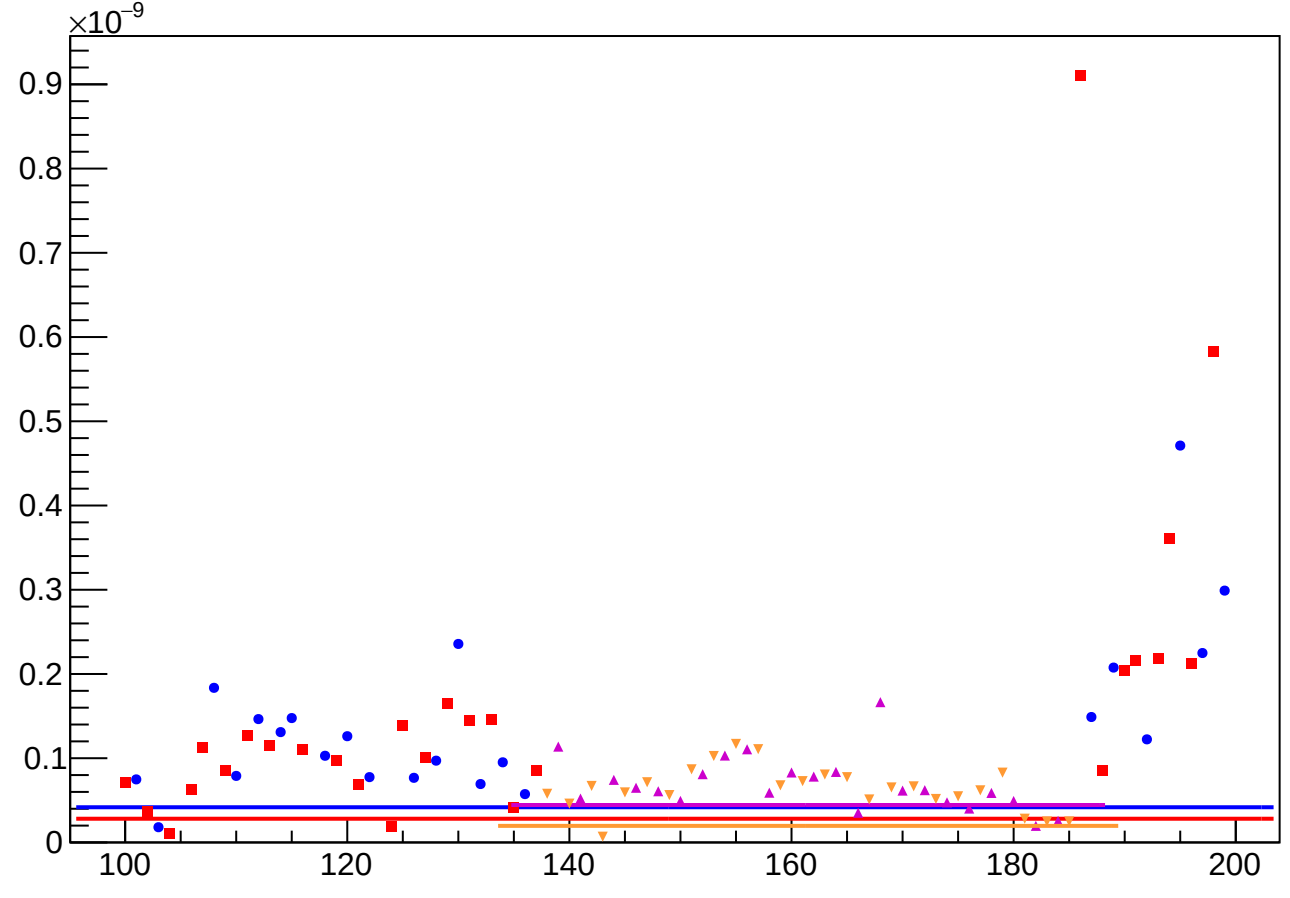
Left: -0.000+/-0.000 χ^2/NDF: 36.1/47

Right: -0.000+/-0.000 χ^2/NDF: 46.3/48

In: -0.000+/-0.000 χ^2/NDF:41.0/44

Out: -0.000+/-0.000 χ^2/NDF:41.4/51

All: -0.000+/-0.000 χ^2/NDF: 82.5/96



Right In: 0.000+/-0.000 χ^2/NDF: 6765518.6/21

Left Out: 0.000+/-0.000 χ^2/NDF:14888228.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8959704.9/26

Left In: 0.000+/-0.000 χ^2/NDF:5919814.1/22

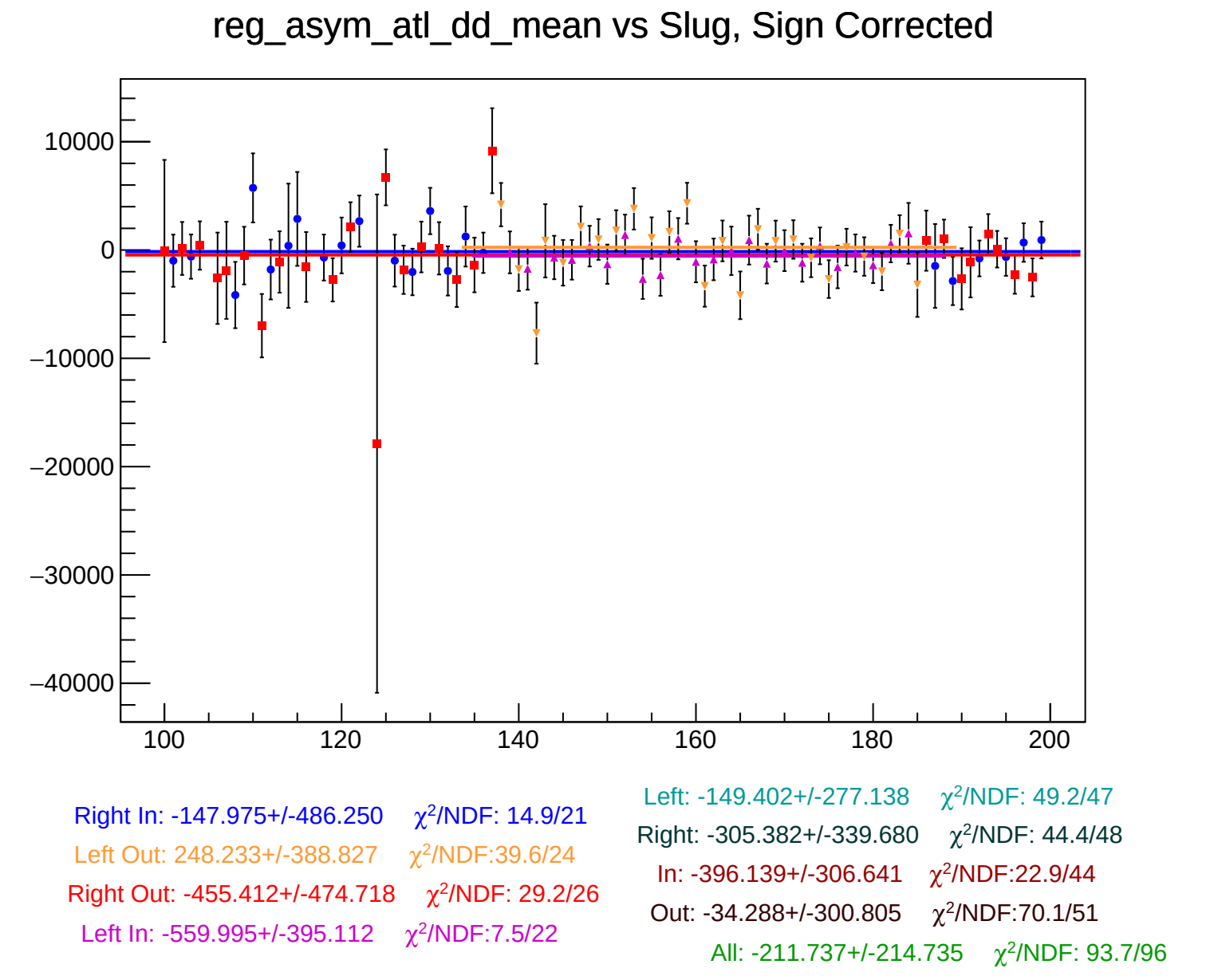
Left: 0.000+/-0.000 χ^2/NDF: 25361712.4/47

Right: 0.000+/-0.000 χ^2/NDF: 16141276.3/48

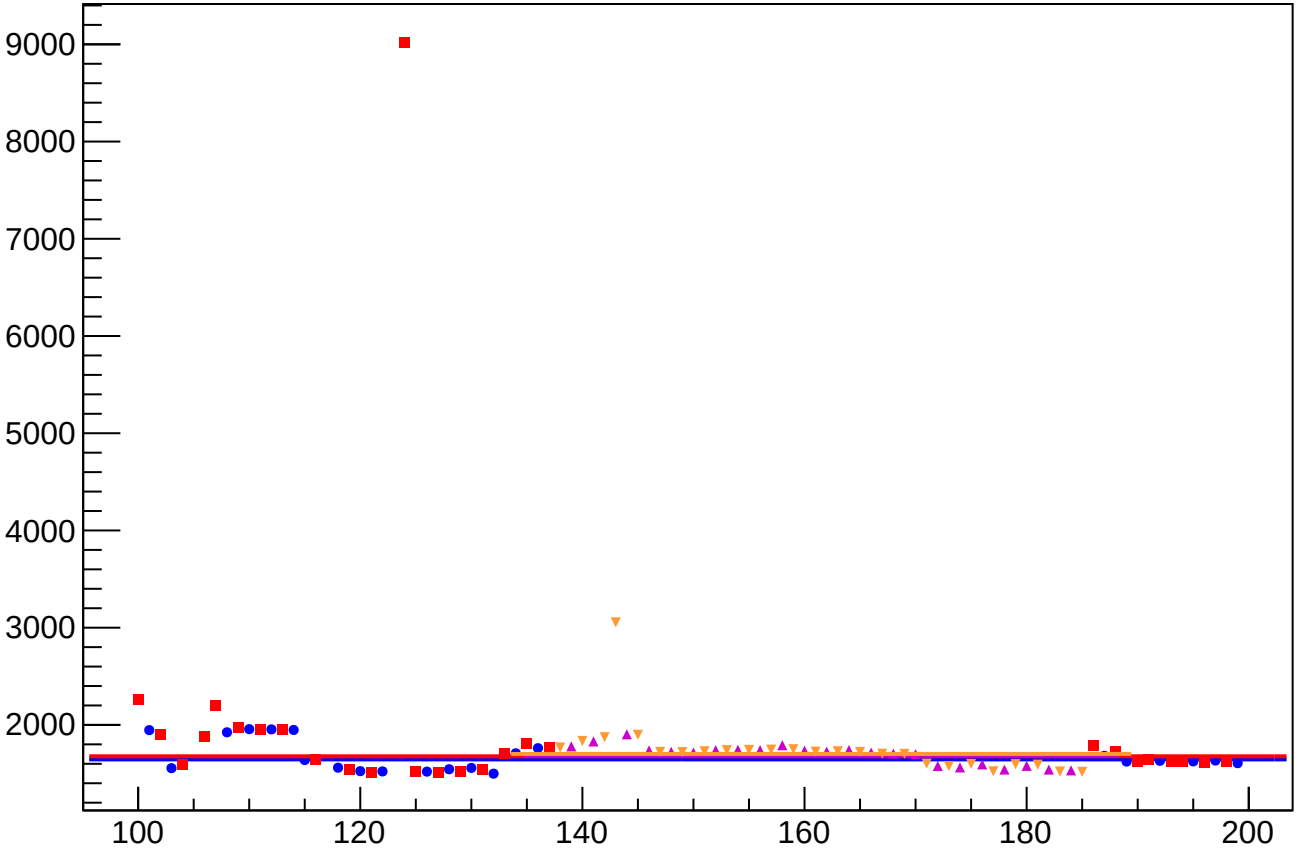
In: 0.000+/-0.000 χ^2/NDF:12704226.2/44

Out: 0.000+/-0.000 χ^2/NDF:24202255.9/51

All: 0.000+/-0.000 χ^2/NDF: 41903964.8/96


reg_asym_atl_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
Right In: -147.975+/-486.250 χ²/NDF: 14.9/21
Left Out: 248.233+/-388.827 χ²/NDF:39.6/24
Right Out: -455.412+/-474.718 χ²/NDF: 29.2/26
Left In: -559.995+/-395.112 χ²/NDF:7.5/22
Left: -149.402+/-277.138 χ²/NDF: 49.2/47
Right: -305.382+/-339.680 χ²/NDF: 44.4/48
In: -396.139+/-306.641 χ²/NDF:22.9/44
Out: -34.288+/-300.805 χ²/NDF:70.1/51
All: -211.737+/-214.735 χ²/NDF: 93.7/96

reg_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1645.213+/-0.344 χ^2/NDF: 146638.6/21

Left Out: 1701.583+/-0.275 χ^2/NDF:452379.1/24

Right Out: 1677.044+/-0.335 χ^2/NDF: 401265.5/26

Left In: 1689.259+/-0.279 χ^2/NDF:122317.9/22

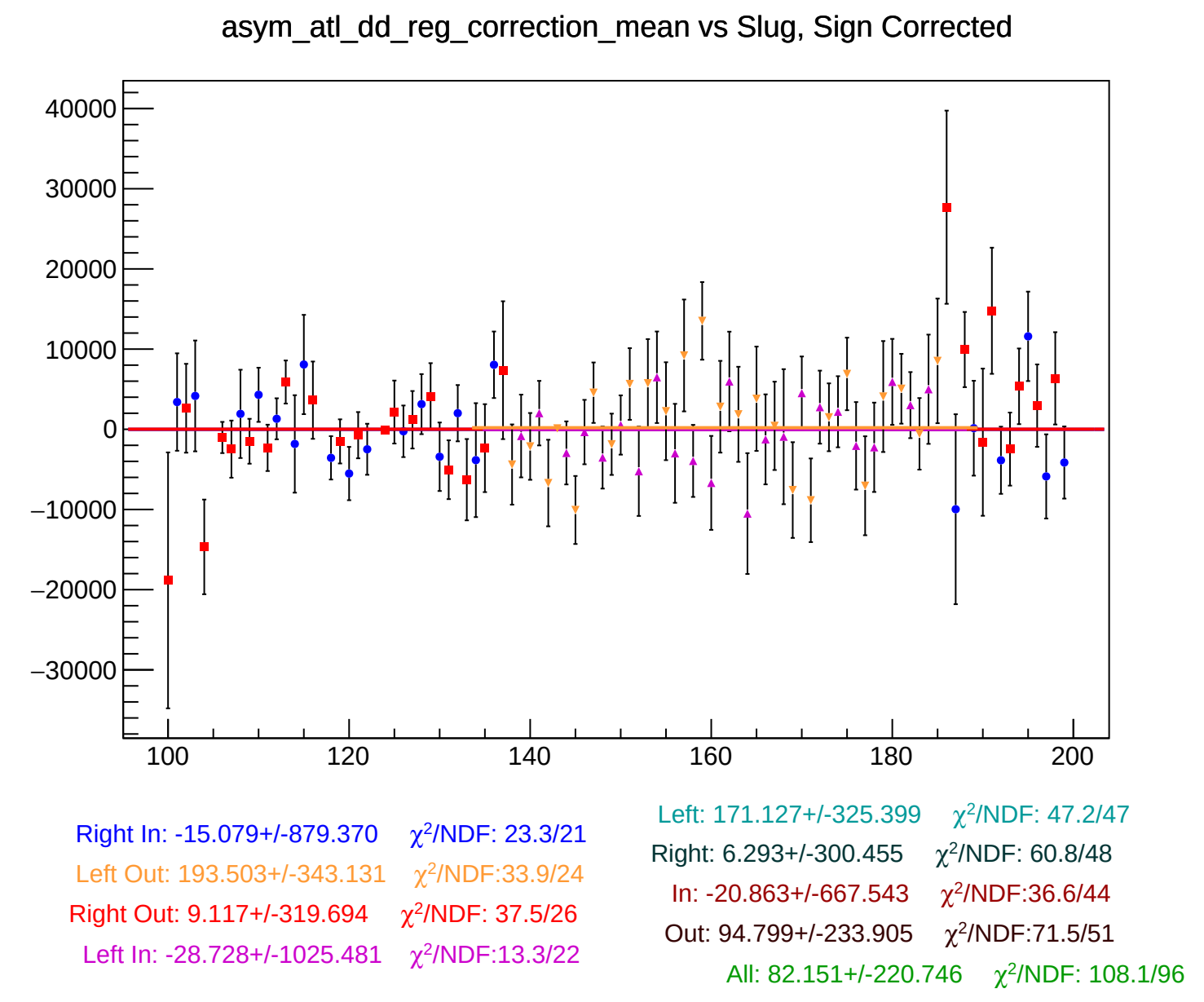
Left: 1695.520+/-0.196 χ^2/NDF: 575685.4/47

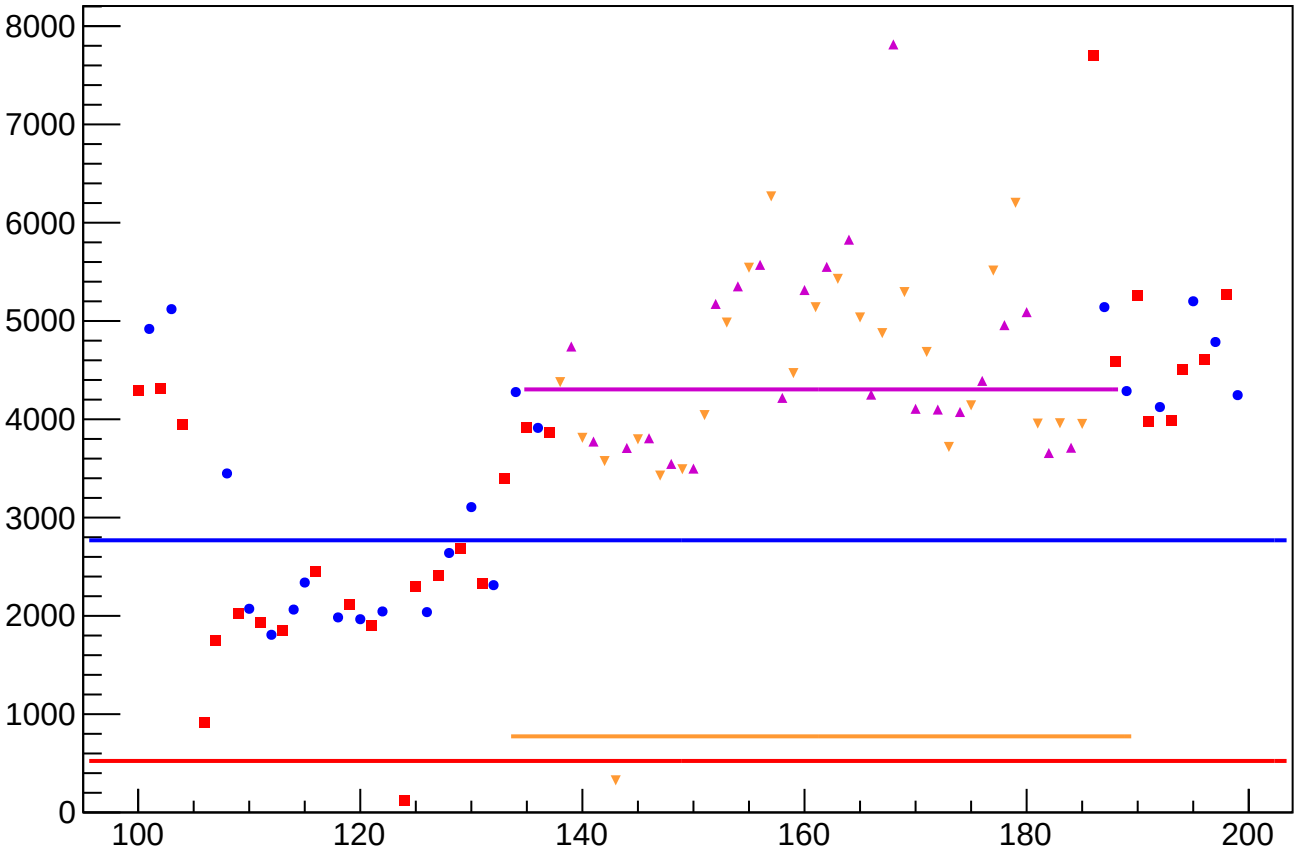
Right: 1661.551+/-0.240 χ^2/NDF: 552303.4/48

In: 1671.742+/-0.217 χ^2/NDF:278840.9/44

Out: 1691.699+/-0.212 χ^2/NDF:856852.9/51

All: 1681.923+/-0.152 χ^2/NDF: 1140015.5/96


asym_atl_dd_reg_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
−30000
100
120
140
160
180
200
Right In: -15.079+/-879.370 χ²/NDF: 23.3/21
Left Out: 193.503+/-343.131 χ²/NDF:33.9/24
Right Out: 9.117+/-319.694 χ²/NDF: 37.5/26
Left In: -28.728+/-1025.481 χ²/NDF:13.3/22
Left: 171.127+/-325.399 χ²/NDF: 47.2/47
Right: 6.293+/-300.455 χ²/NDF: 60.8/48
In: -20.863+/-667.543 χ²/NDF:36.6/44
Out: 94.799+/-233.905 χ²/NDF:71.5/51
All: 82.151+/-220.746 χ²/NDF: 108.1/96



Right In: 2768.860+/-0.622 χ^2/NDF: 3012258.5/21

Left Out: 774.232+/-0.243 χ^2/NDF:28085586.8/24

Right Out: 524.038+/-0.226 χ^2/NDF: 19605415.9/26

Left In: 4304.007+/-0.725 χ^2/NDF:1216578.1/22

Left: 1129.637+/-0.230 χ^2/NDF: 50611957.4/47

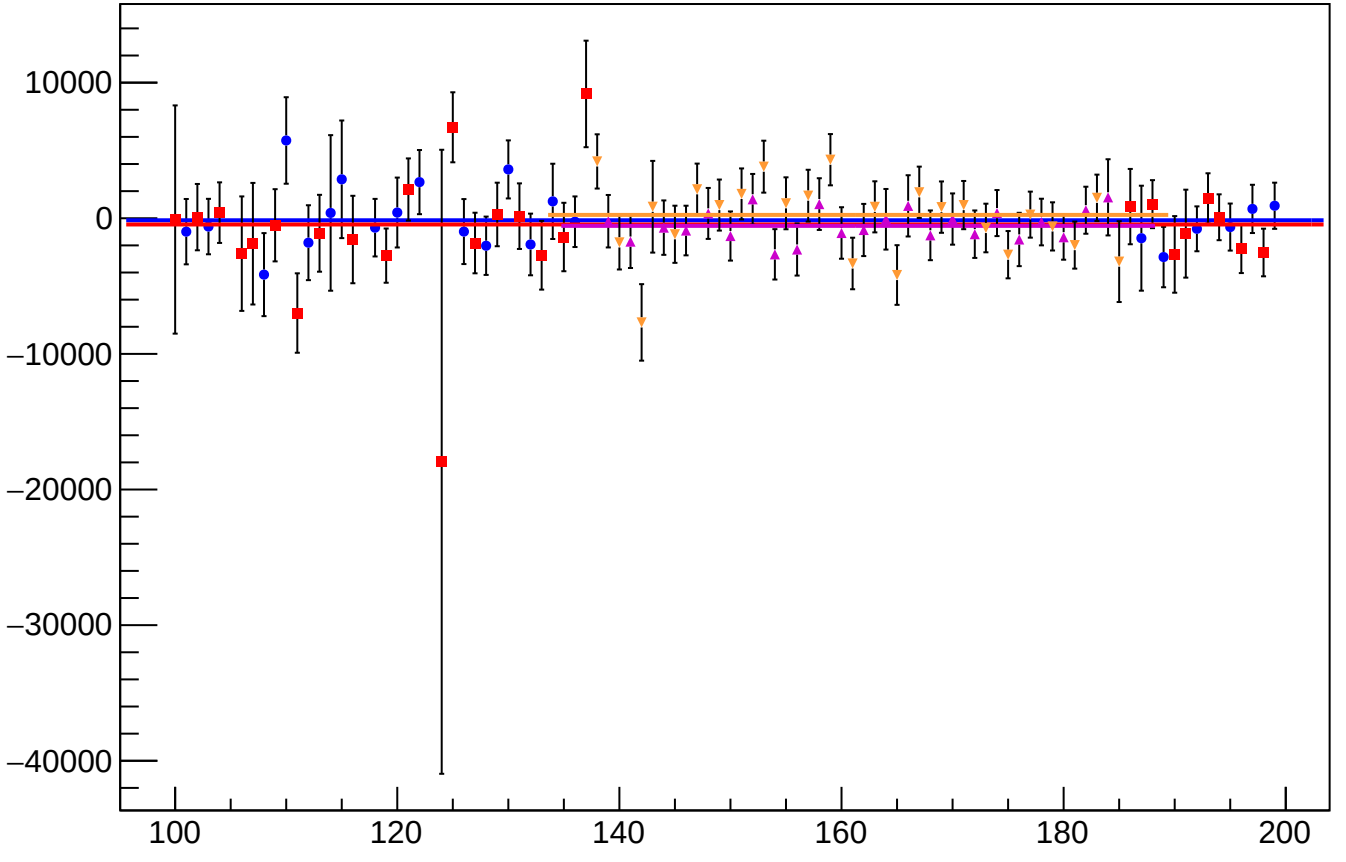
Right: 786.096+/-0.212 χ^2/NDF: 34129385.2/48

In: 3419.369+/-0.472 χ^2/NDF:6811632.0/44

Out: 640.299+/-0.165 χ^2/NDF:48260213.5/51

All: 944.196+/-0.156 χ^2/NDF: 85944662.4/96

cor_asym_atl_dd_mean vs Slug, Sign Corrected



Right In: -147.990+/-486.250 χ^2/NDF: 14.9/21

Left Out: 248.216+/-388.827 χ^2/NDF:39.6/24

Right Out: -457.829+/-474.721 χ^2/NDF: 29.2/26

Left In: -559.960+/-395.112 χ^2/NDF:7.5/22

Left: -149.393+/-277.138 χ^2/NDF: 49.2/47

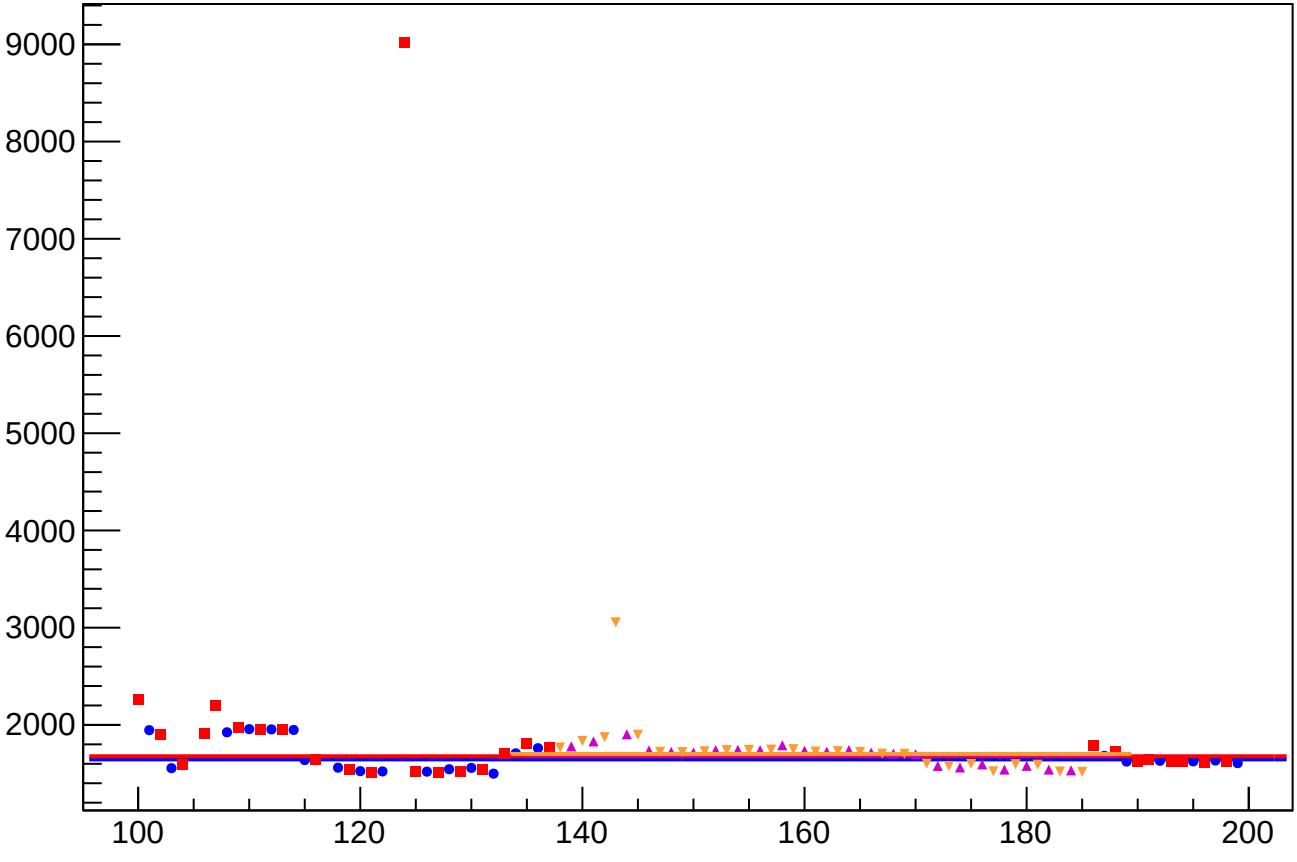
Right: -306.626+/-339.681 χ^2/NDF: 44.4/48

In: -396.124+/-306.641 χ^2/NDF:22.9/44

Out: -35.267+/-300.805 χ^2/NDF:70.1/51

All: -212.229+/-214.735 χ^2/NDF: 93.7/96

cor_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1645.212+/-0.344 χ^2/NDF: 146638.6/21

Left Out: 1701.583+/-0.275 χ^2/NDF:452379.0/24

Right Out: 1677.480+/-0.335 χ^2/NDF: 403171.8/26

Left In: 1689.259+/-0.279 χ^2/NDF:122317.9/22

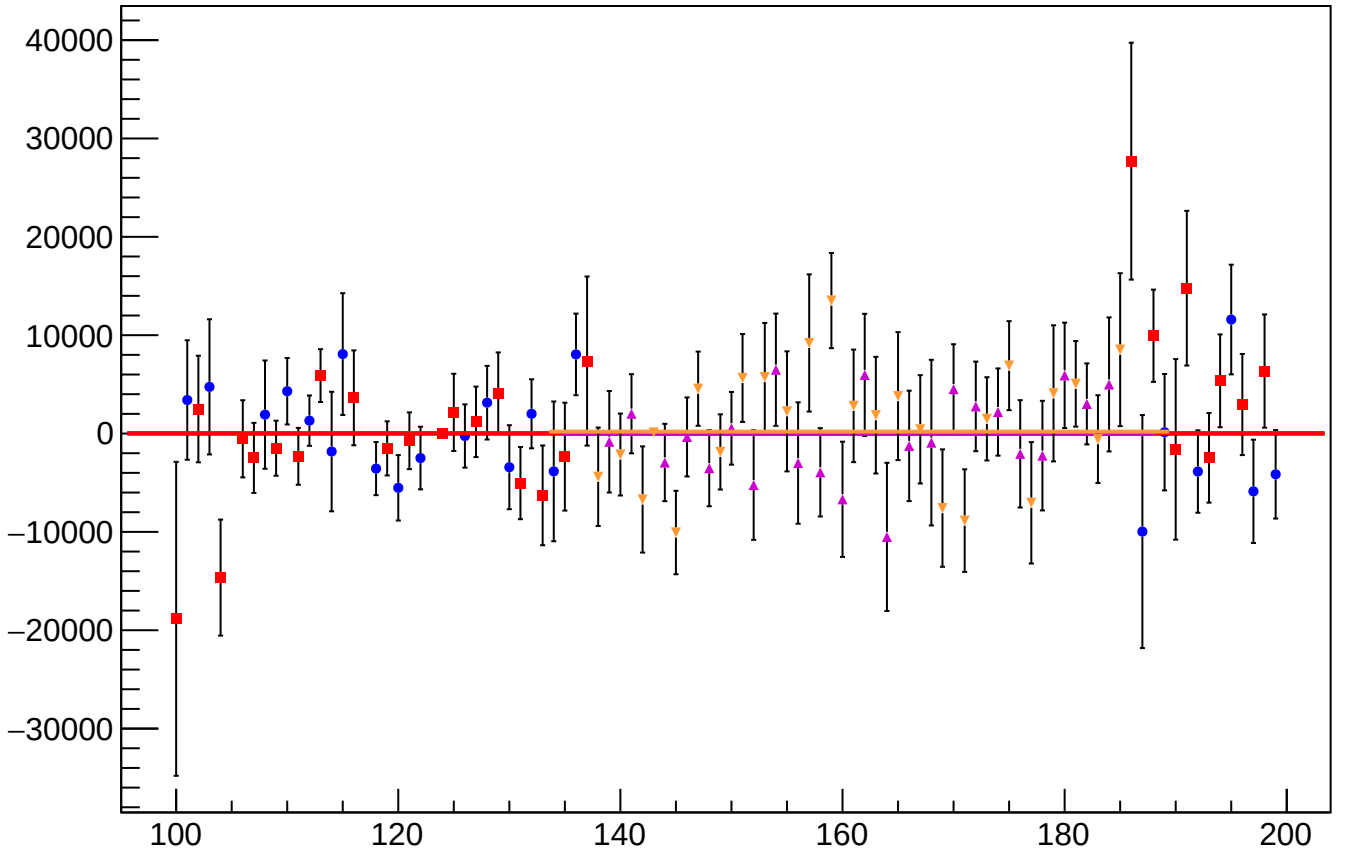
Left: 1695.520+/-0.196 χ^2/NDF: 575685.4/47

Right: 1661.771+/-0.240 χ^2/NDF: 554330.1/48

In: 1671.742+/-0.217 χ^2/NDF:278841.0/44

Out: 1691.878+/-0.213 χ^2/NDF:858645.0/51

All: 1682.013+/-0.152 χ^2/NDF: 1141885.0/96



Right In: -4.457+/-879.279 χ^2/NDF: 23.4/21

Left Out: 193.916+/-343.107 χ^2/NDF:33.9/24

Right Out: 35.289+/-312.023 χ^2/NDF: 37.2/26

Left In: -28.766+/-1025.480 χ^2/NDF:13.3/22

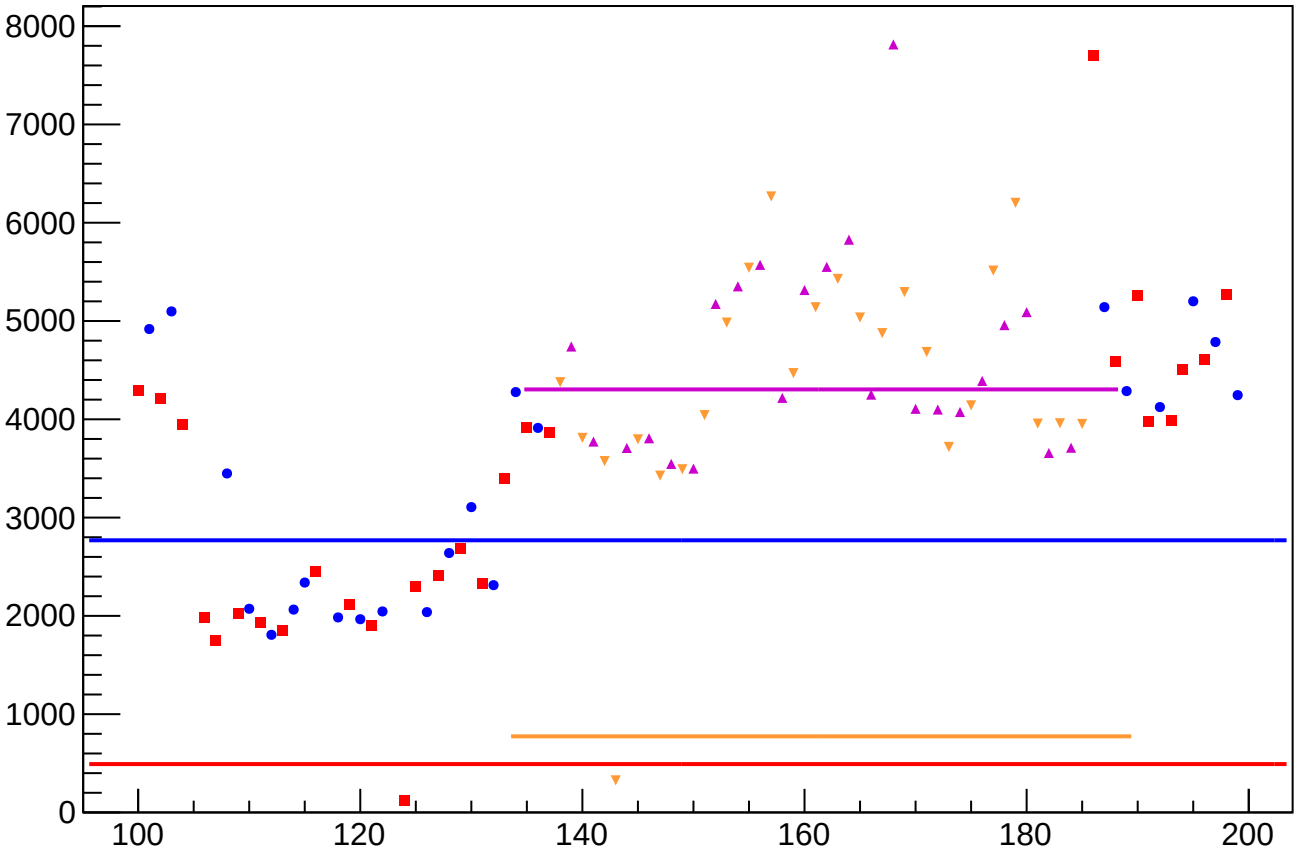
Left: 171.497+/-325.378 χ^2/NDF: 47.2/47

Right: 30.844+/-294.057 χ^2/NDF: 60.6/48

In: -14.757+/-667.503 χ^2/NDF:36.7/44

Out: 107.093+/-230.842 χ^2/NDF:71.2/51

All: 94.077+/-218.165 χ^2/NDF: 107.9/96



Right In: 2768.929+/-0.622 χ^2/NDF: 3010387.6/21

Left Out: 774.143+/-0.243 χ^2/NDF:28086455.1/24

Right Out: 492.142+/-0.221 χ^2/NDF: 20069329.6/26

Left In: 4304.001+/-0.725 χ^2/NDF:1216572.3/22

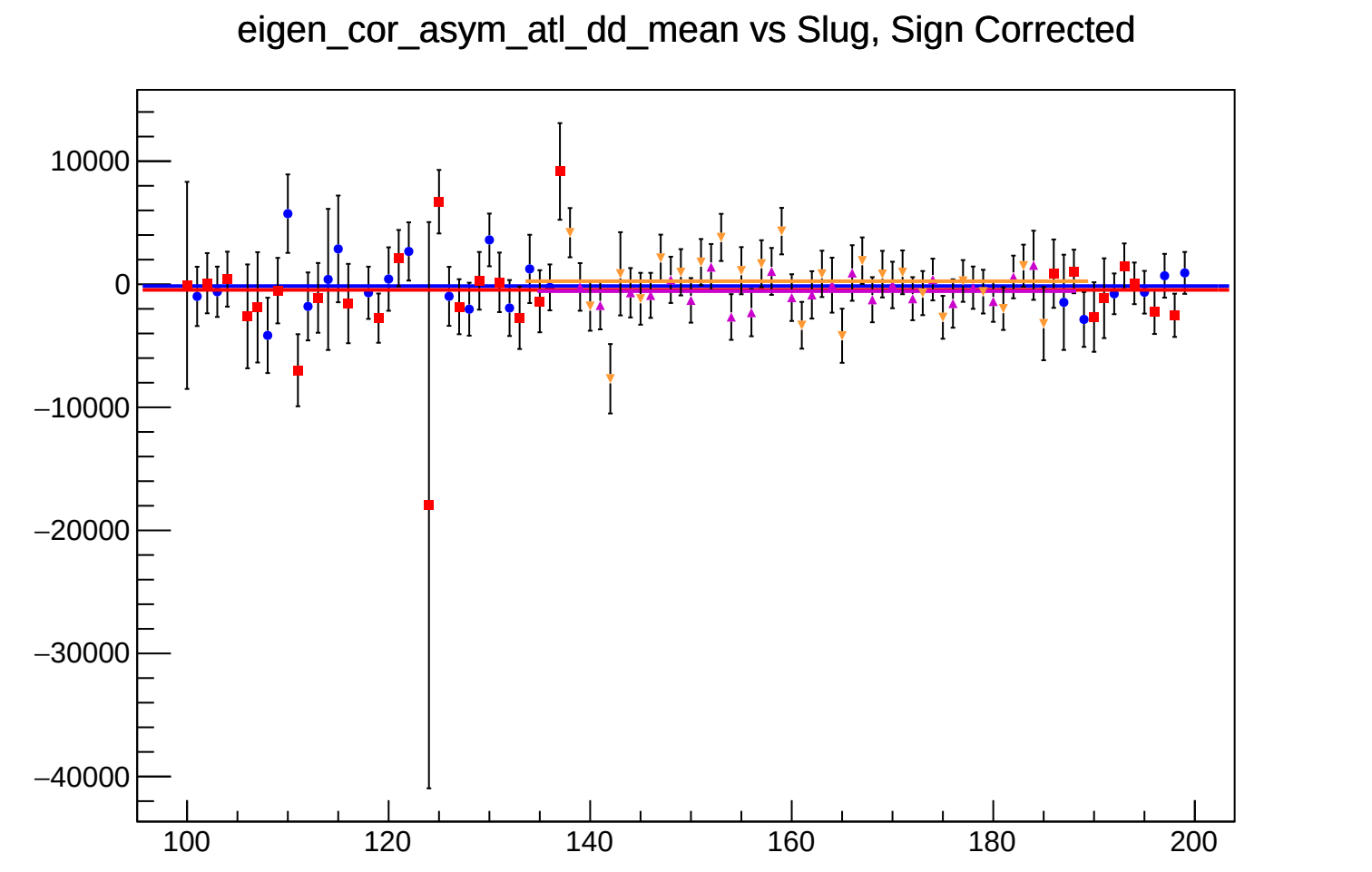
Left: 1129.512+/-0.230 χ^2/NDF: 50614177.8/47

Right: 746.785+/-0.208 χ^2/NDF: 34989705.8/48

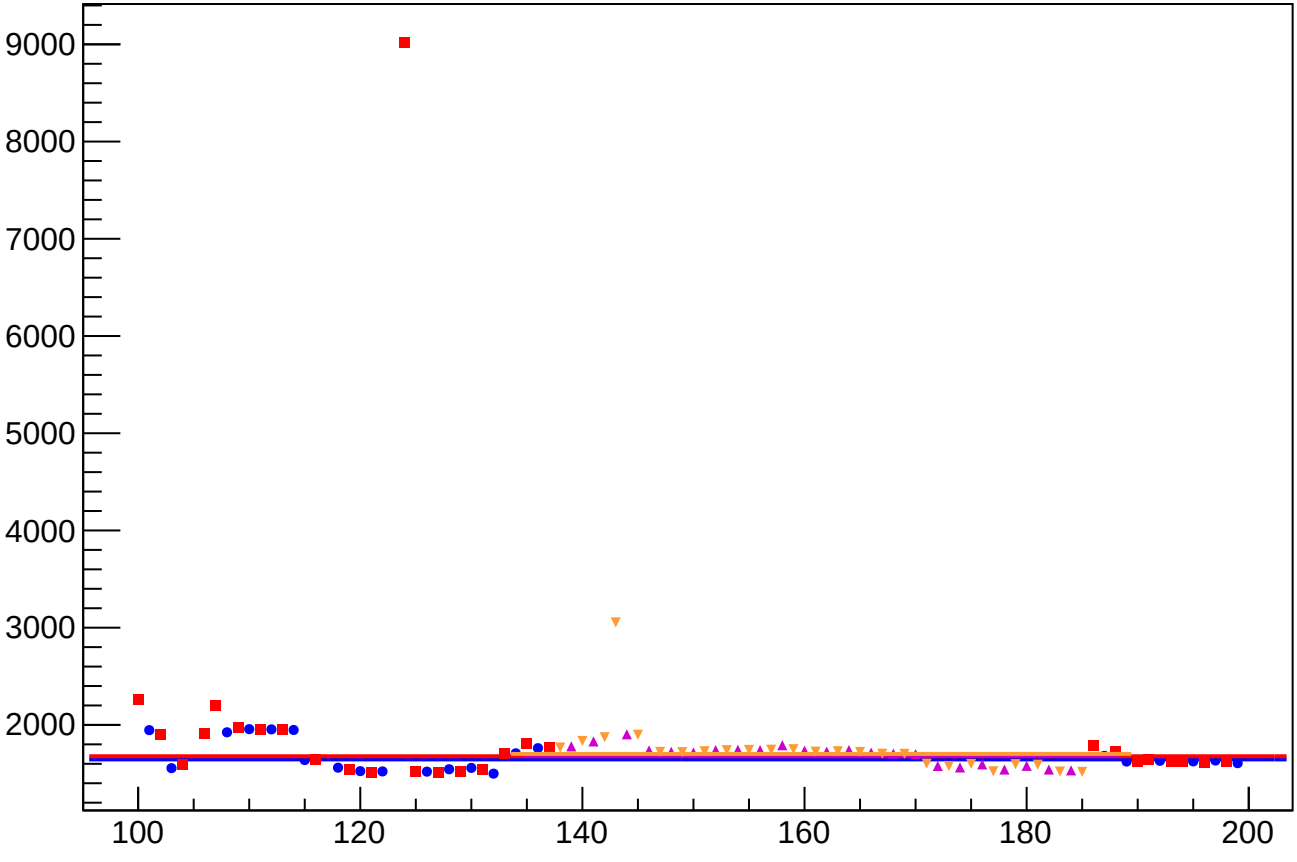
In: 3419.330+/-0.472 χ^2/NDF:6809733.0/44

Out: 619.792+/-0.163 χ^2/NDF:48895273.0/51

All: 918.845+/-0.154 χ^2/NDF: 87127022.2/96


eigen_cor_asym_atl_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
Right In: -147.990+/-486.250 χ²/NDF: 14.9/21
Left Out: 248.216+/-388.827 χ²/NDF:39.6/24
Right Out: -457.829+/-474.721 χ²/NDF: 29.2/26
Left In: -559.960+/-395.112 χ²/NDF:7.5/22
Left: -149.393+/-277.138 χ²/NDF: 49.2/47
Right: -306.626+/-339.681 χ²/NDF: 44.4/48
In: -396.124+/-306.641 χ²/NDF:22.9/44
Out: -35.267+/-300.805 χ²/NDF:70.1/51
All: -212.229+/-214.735 χ²/NDF: 93.7/96

eigen_cor_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1645.212+/-0.344 χ^2/NDF: 146638.6/21

Left Out: 1701.583+/-0.275 χ^2/NDF:452379.0/24

Right Out: 1677.480+/-0.335 χ^2/NDF: 403171.8/26

Left In: 1689.259+/-0.279 χ^2/NDF:122317.9/22

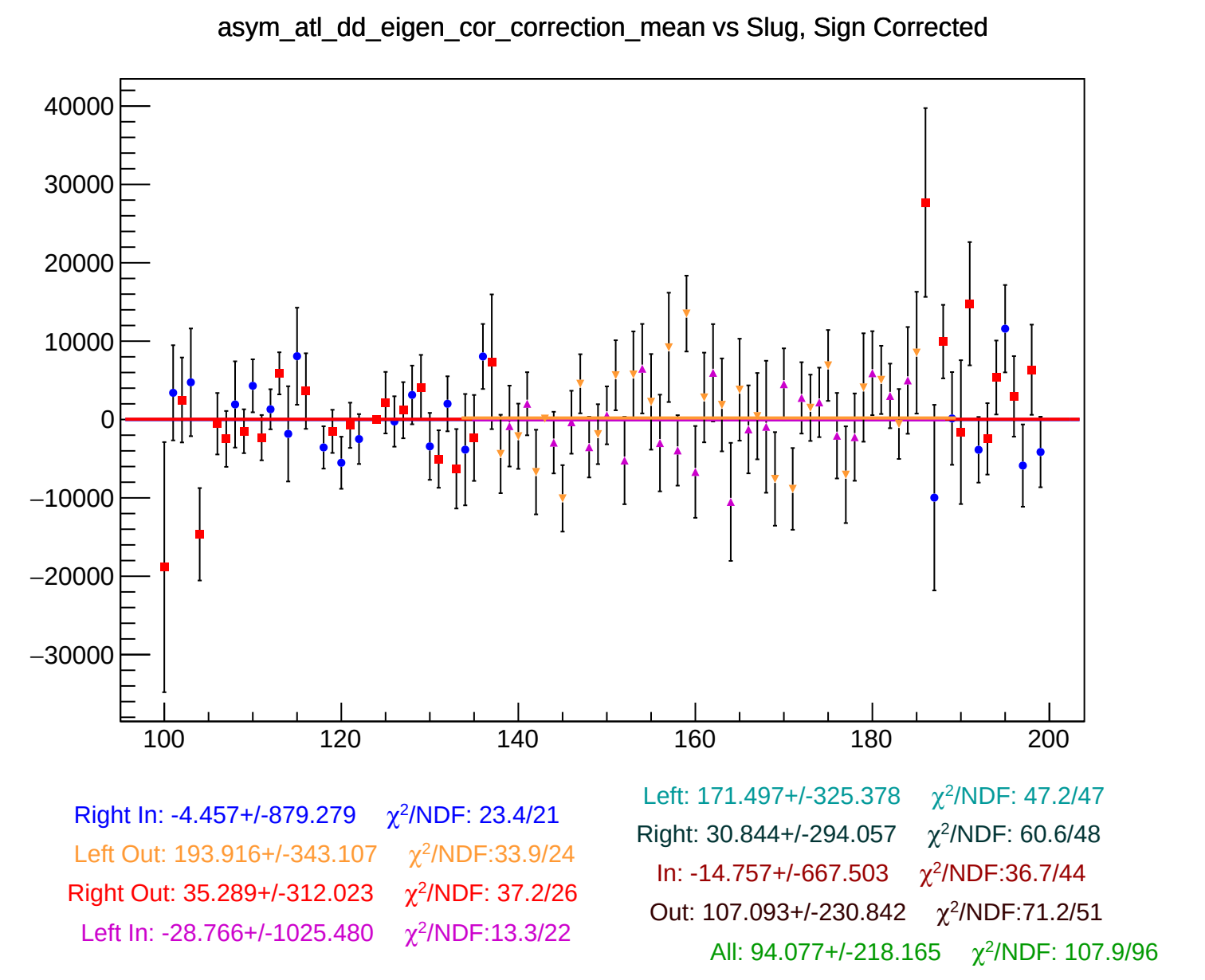
Left: 1695.520+/-0.196 χ^2/NDF: 575685.4/47

Right: 1661.771+/-0.240 χ^2/NDF: 554330.1/48

In: 1671.742+/-0.217 χ^2/NDF:278841.0/44

Out: 1691.878+/-0.213 χ^2/NDF:858645.0/51

All: 1682.013+/-0.152 χ^2/NDF: 1141885.0/96


asym_atl_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
40000
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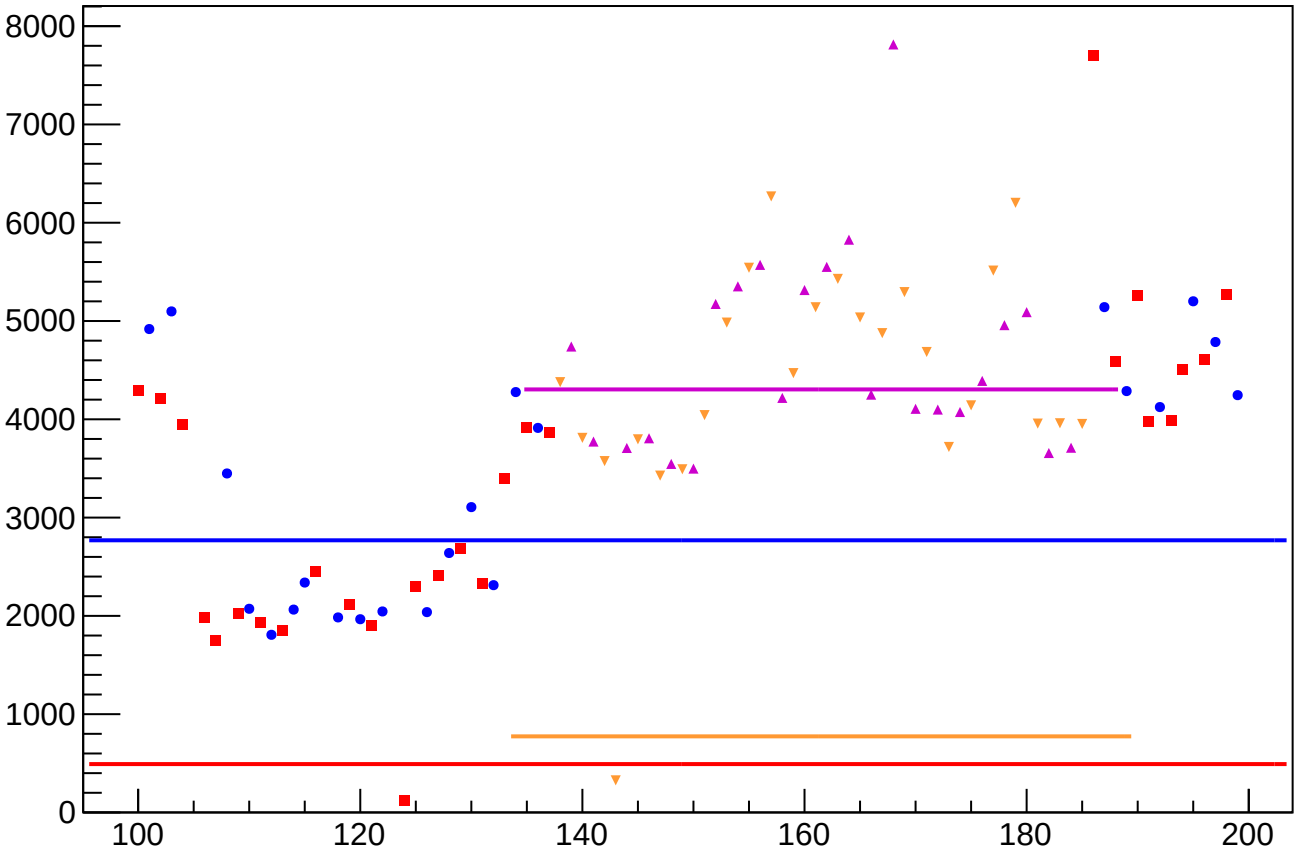
10000
0
−10000
−20000
−30000
100
120
140
160
180
200
Right In: -4.457+/-879.279 χ²/NDF: 23.4/21
Left Out: 193.916+/-343.107 χ²/NDF:33.9/24
Right Out: 35.289+/-312.023 χ²/NDF: 37.2/26
Left In: -28.766+/-1025.480 χ²/NDF:13.3/22
Left: 171.497+/-325.378 χ²/NDF: 47.2/47
Right: 30.844+/-294.057 χ²/NDF: 60.6/48
In: -14.757+/-667.503 χ²/NDF:36.7/44
Out: 107.093+/-230.842 χ²/NDF:71.2/51
All: 94.077+/-218.165 χ²/NDF: 107.9/96



Right In: 2768.929+/-0.622 χ^2/NDF: 3010387.6/21

Left Out: 774.143+/-0.243 χ^2/NDF:28086455.1/24

Right Out: 492.142+/-0.221 χ^2/NDF: 20069329.6/26

Left In: 4304.001+/-0.725 χ^2/NDF:1216572.3/22

Left: 1129.512+/-0.230 χ^2/NDF: 50614177.8/47

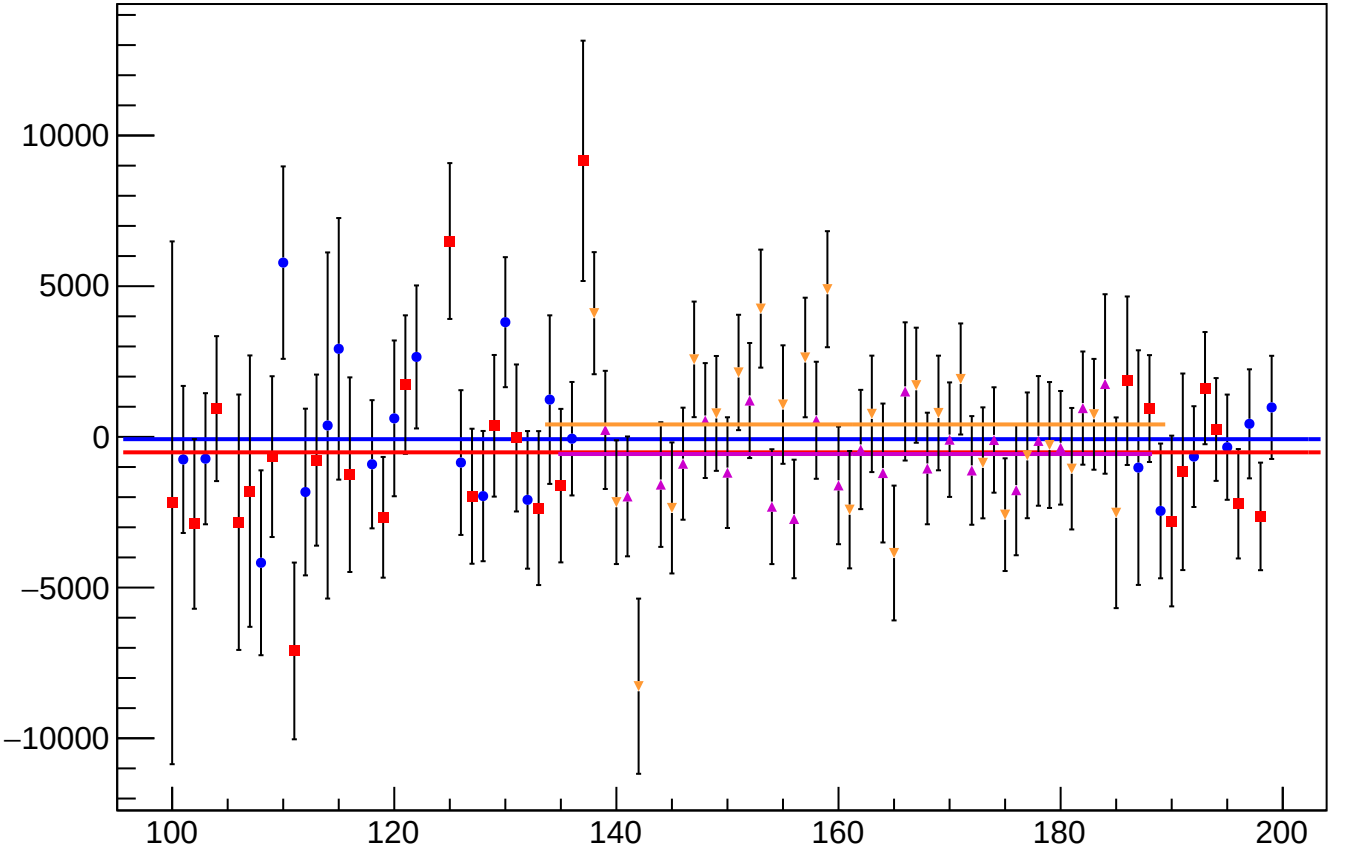
Right: 746.785+/-0.208 χ^2/NDF: 34989705.8/48

In: 3419.330+/-0.472 χ^2/NDF:6809733.0/44

Out: 619.792+/-0.163 χ^2/NDF:48895273.0/51

All: 918.845+/-0.154 χ^2/NDF: 87127022.2/96

dit_asym_atl_dd_mean vs Slug, Sign Corrected



Right In: -76.045+/-490.911 χ^2/NDF: 14.7/21

Left Out: 413.309+/-410.536 χ^2/NDF:40.0/23

Right Out: -512.949+/-481.337 χ^2/NDF: 29.2/25

Left In: -568.823+/-412.052 χ^2/NDF:7.7/22

Left: -75.946+/-290.827 χ^2/NDF: 50.6/46

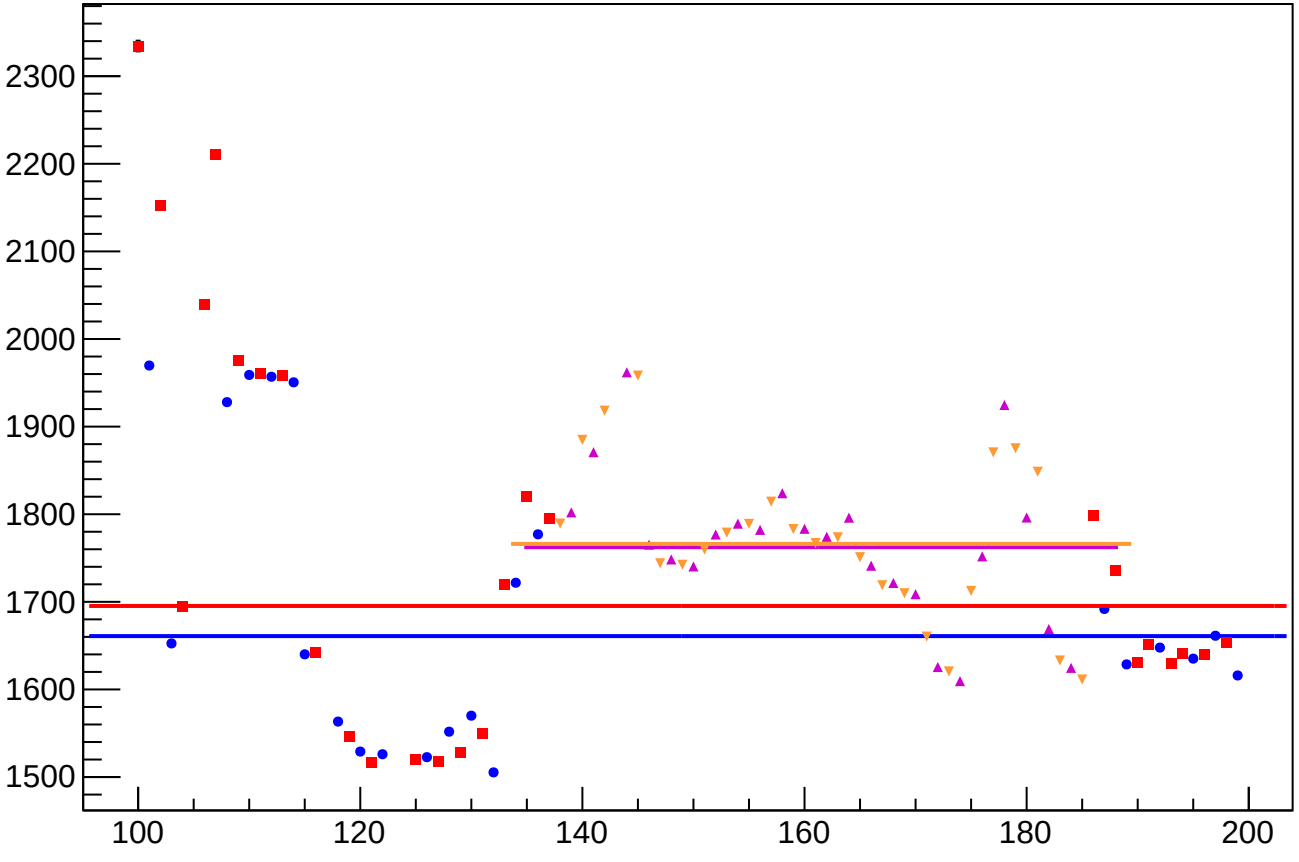
Right: -298.799+/-343.691 χ^2/NDF: 44.2/47

In: -365.144+/-315.609 χ^2/NDF:23.0/44

Out: 23.250+/-312.355 χ^2/NDF:71.3/49

All: -168.934+/-222.010 χ^2/NDF: 95.0/94

dit_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1660.888+/-0.347 χ^2/NDF: 144192.6/21

Left Out: 1766.115+/-0.290 χ^2/NDF:83252.4/23

Right Out: 1695.302+/-0.340 χ^2/NDF: 242756.2/25

Left In: 1762.405+/-0.291 χ^2/NDF:80090.6/22

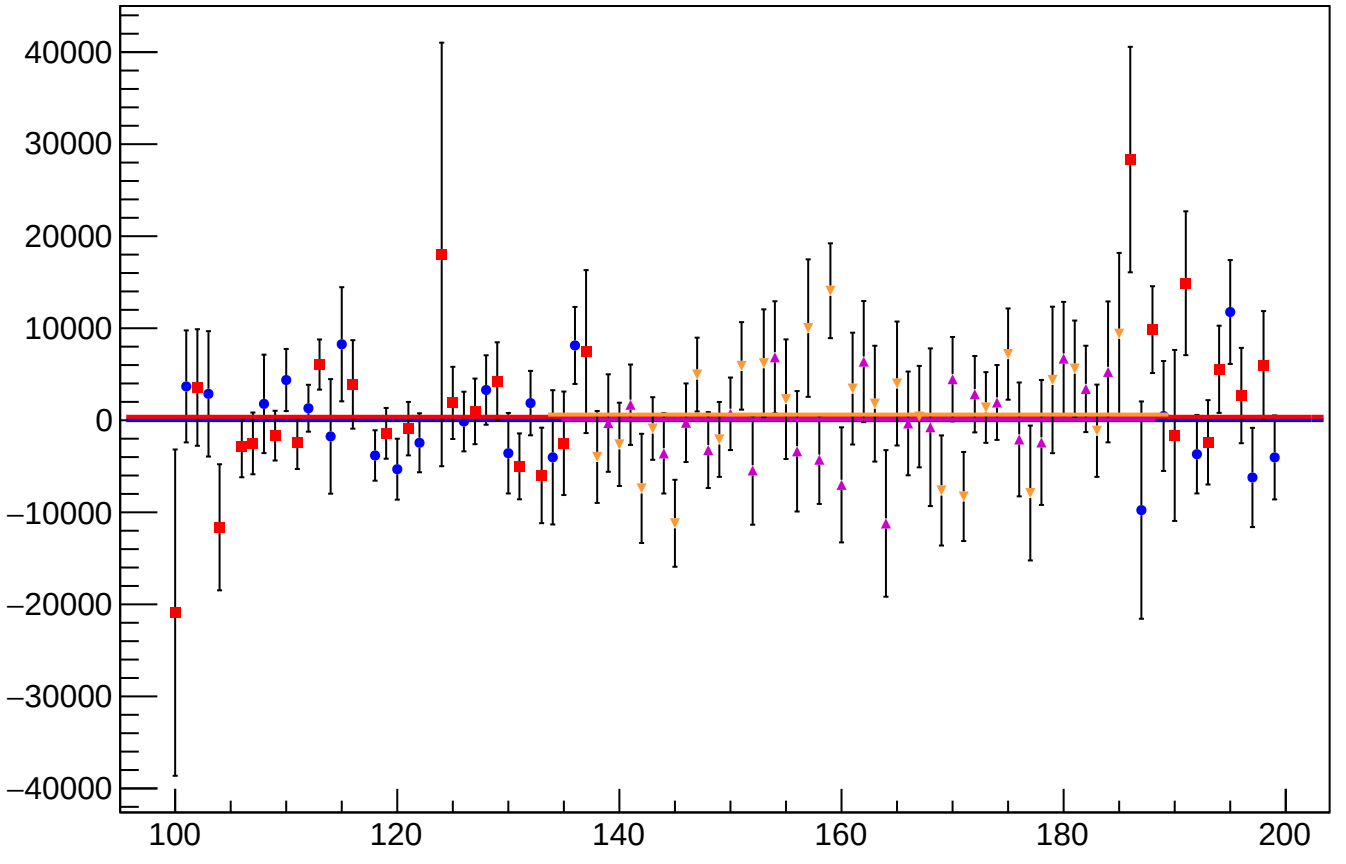
Left: 1764.267+/-0.206 χ^2/NDF: 163424.4/46

Right: 1678.456+/-0.243 χ^2/NDF: 391966.4/47

In: 1720.445+/-0.223 χ^2/NDF:274460.1/44

Out: 1736.250+/-0.221 χ^2/NDF:351104.4/49

All: 1728.434+/-0.157 χ^2/NDF: 628099.6/94



Right In: 16.632+/-884.399 χ^2/NDF: 23.2/21

Left Out: 619.658+/-1034.658 χ^2/NDF:33.1/24

Right Out: 383.675+/-811.742 χ^2/NDF: 35.2/26

Left In: 85.511+/-1082.508 χ^2/NDF:12.9/22

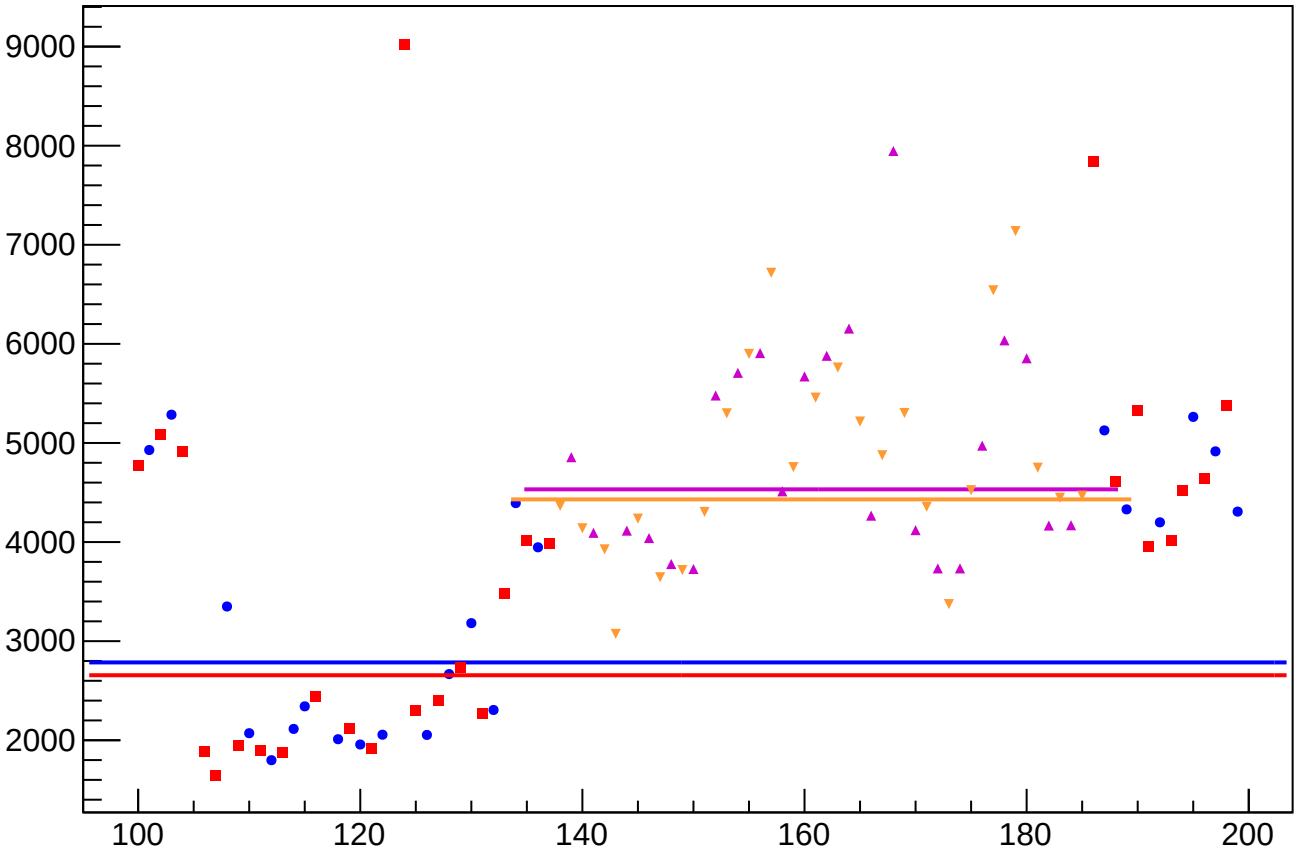
Left: 364.651+/-747.958 χ^2/NDF: 46.1/47

Right: 215.848+/-598.028 χ^2/NDF: 58.5/48

In: 44.204+/-684.887 χ^2/NDF:36.1/44

Out: 473.586+/-638.648 χ^2/NDF:68.3/51

All: 273.877+/-467.084 χ^2/NDF: 104.7/96



Right In: 2785.339+/-0.625 χ^2/NDF: 3113156.8/21

Left Out: 4430.796+/-0.732 χ^2/NDF:1613272.4/24

Right Out: 2656.109+/-0.574 χ^2/NDF: 4029291.8/26

Left In: 4531.944+/-0.765 χ^2/NDF:1376472.2/22

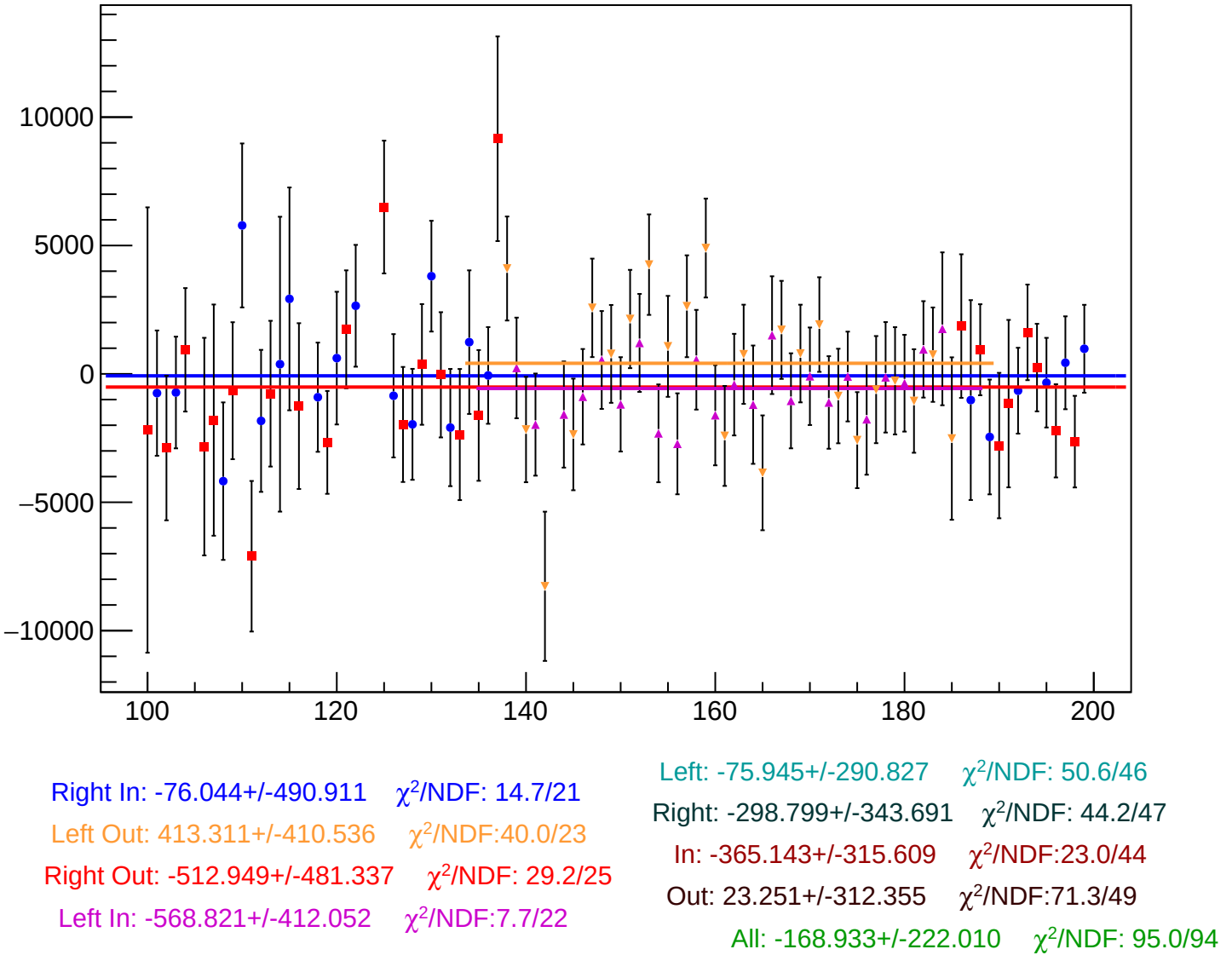
Left: 4479.085+/-0.529 χ^2/NDF: 2998869.7/47

Right: 2715.199+/-0.423 χ^2/NDF: 7165626.3/48

In: 3484.488+/-0.484 χ^2/NDF:7612096.7/44

Out: 3332.273+/-0.452 χ^2/NDF:9284796.1/51

All: 3403.070+/-0.330 χ^2/NDF: 16949734.2/9


eigen_dit_asym_atl_dd_mean vs Slug, Sign Corrected
10000
5000
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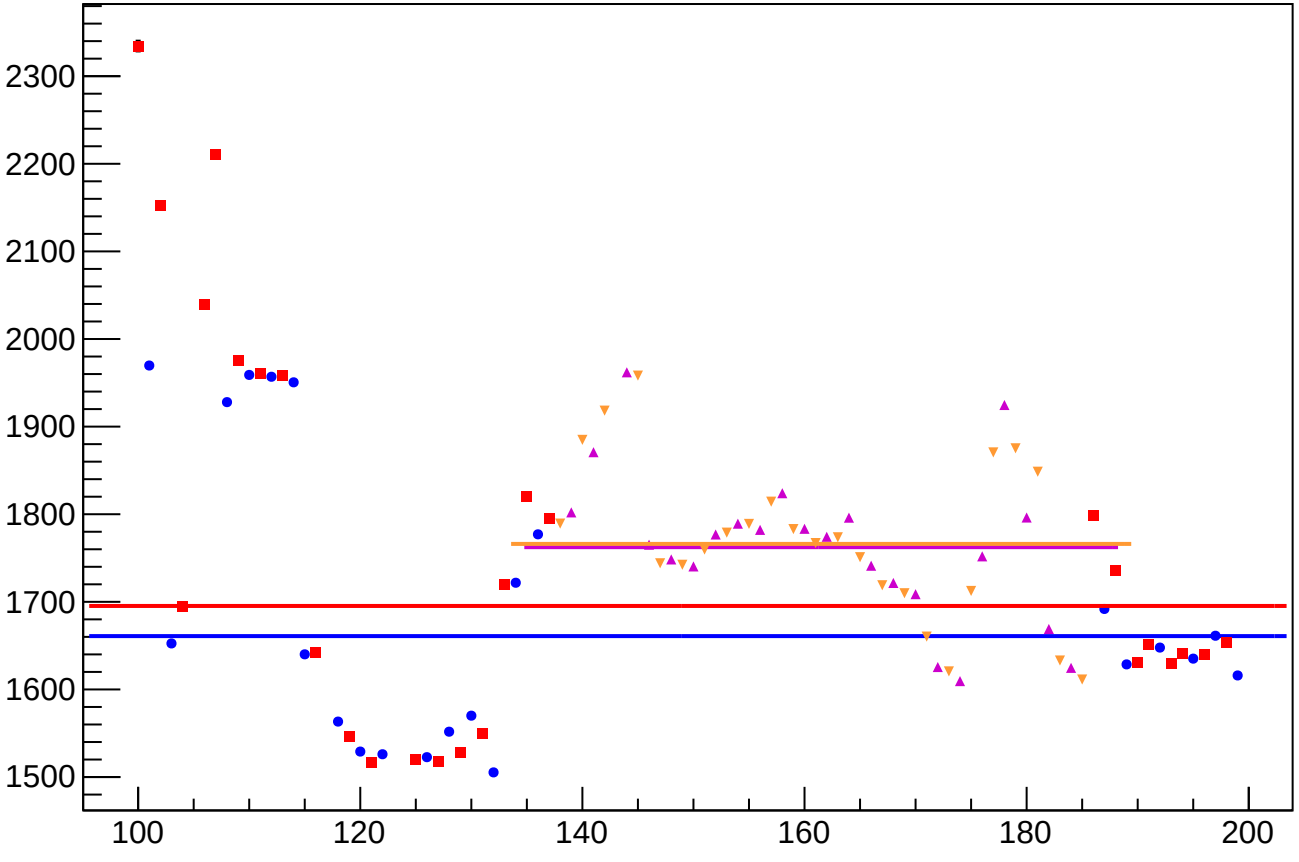
Right In: -76.044+/-490.911 χ²/NDF: 14.7/21
Left Out: 413.311+/-410.536 χ²/NDF:40.0/23
Right Out: -512.949+/-481.337 χ²/NDF: 29.2/25
Left In: -568.821+/-412.052 χ²/NDF:7.7/22
Left: -75.945+/-290.827 χ²/NDF: 50.6/46
Right: -298.799+/-343.691 χ²/NDF: 44.2/47
In: -365.143+/-315.609 χ²/NDF:23.0/44
Out: 23.251+/-312.355 χ²/NDF:71.3/49
All: -168.933+/-222.010 χ²/NDF: 95.0/94

eigen_dit_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1660.888+/-0.347 χ^2/NDF: 144192.7/21

Left Out: 1766.116+/-0.290 χ^2/NDF:83255.3/23

Right Out: 1695.302+/-0.340 χ^2/NDF: 242755.2/25

Left In: 1762.406+/-0.291 χ^2/NDF:80093.2/22

Left: 1764.268+/-0.206 χ^2/NDF: 163429.9/46

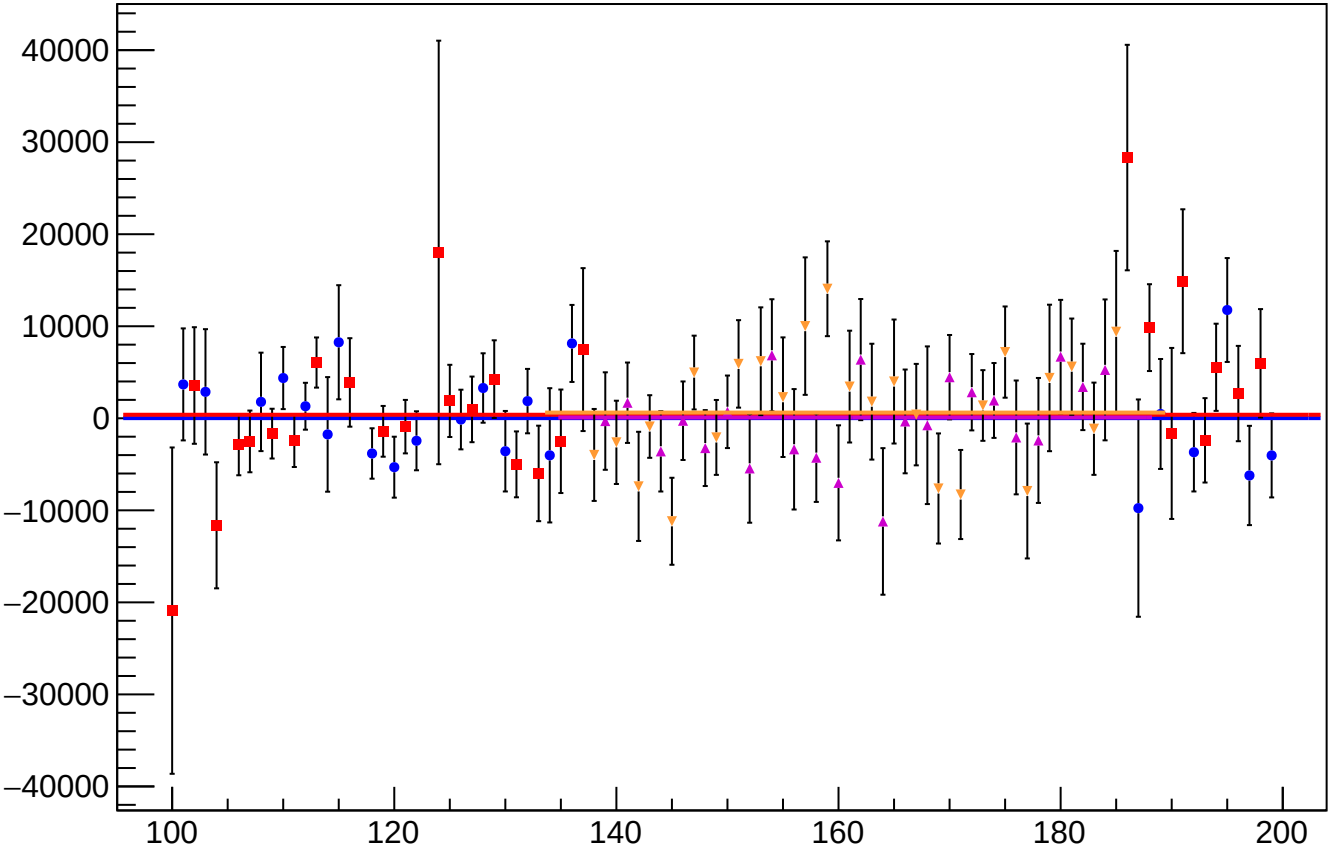
Right: 1678.456+/-0.243 χ^2/NDF: 391965.5/47

In: 1720.446+/-0.223 χ^2/NDF:274463.8/44

Out: 1736.251+/-0.221 χ^2/NDF:351107.1/49

All: 1728.435+/-0.157 χ^2/NDF: 628106.0/94

asym_atl_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 16.628+/-884.396 χ^2/NDF: 23.2/21

Left Out: 619.663+/-1034.659 χ^2/NDF:33.1/24

Right Out: 383.669+/-811.740 χ^2/NDF: 35.2/26

Left In: 85.511+/-1082.509 χ^2/NDF:12.9/22

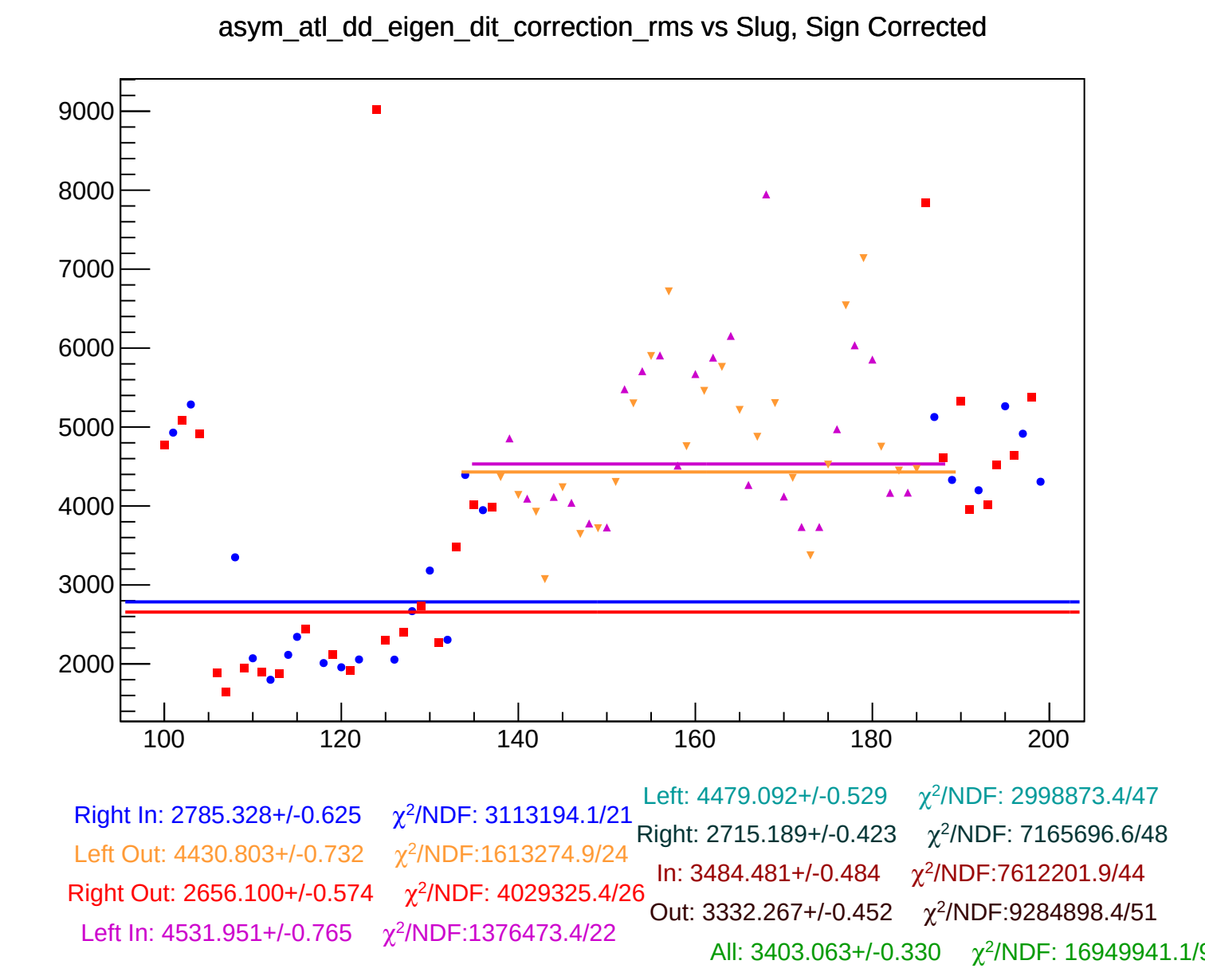
Left: 364.653+/-747.959 χ^2/NDF: 46.1/47

Right: 215.842+/-598.026 χ^2/NDF: 58.5/48

In: 44.202+/-684.886 χ^2/NDF:36.1/44

Out: 473.583+/-638.648 χ^2/NDF:68.3/51

All: 273.875+/-467.084 χ^2/NDF: 104.7/96


asym_atl_dd_eigen_dit_correction_rms vs Slug, Sign Corrected
9000
8000
7000
6000
5000
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140
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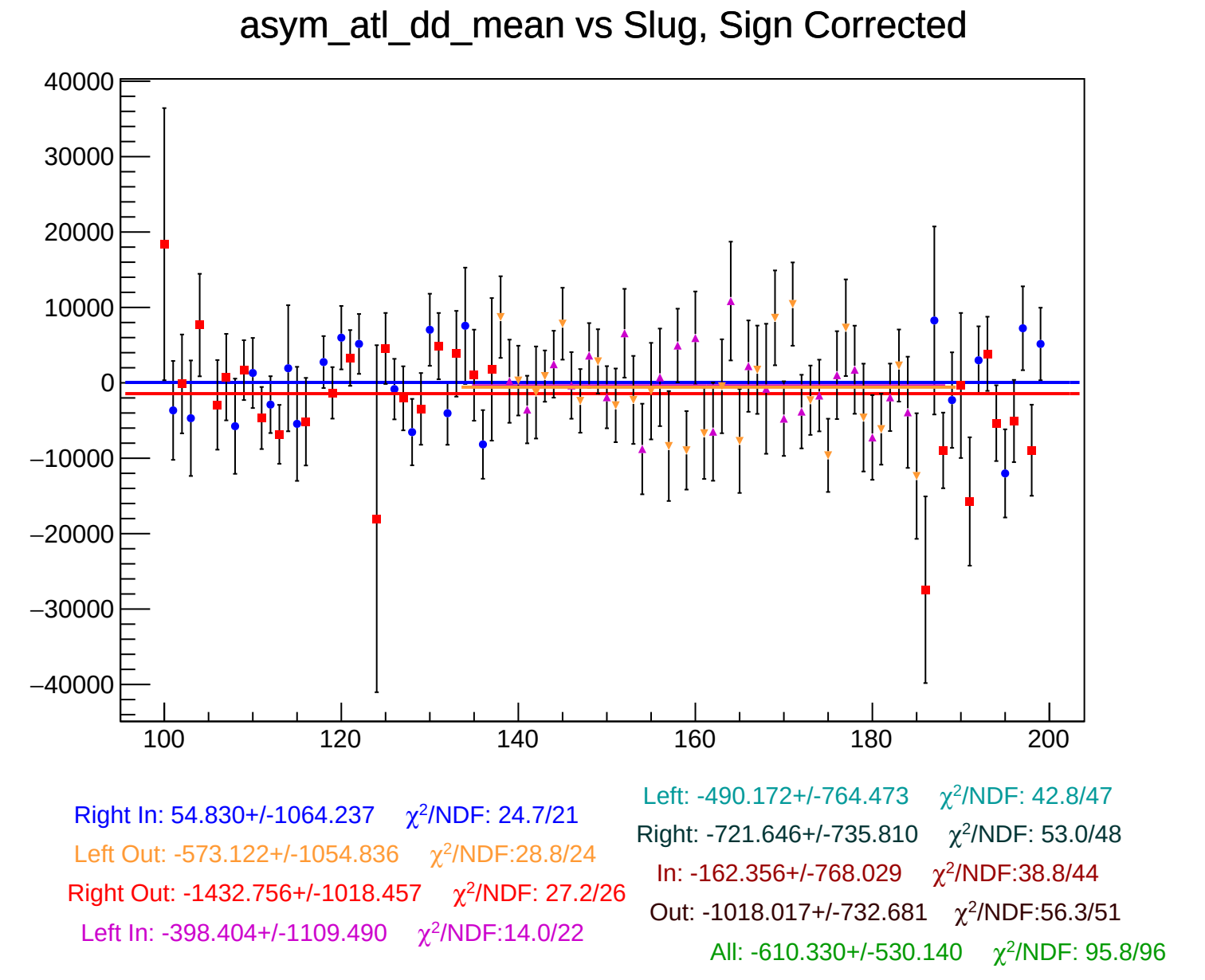
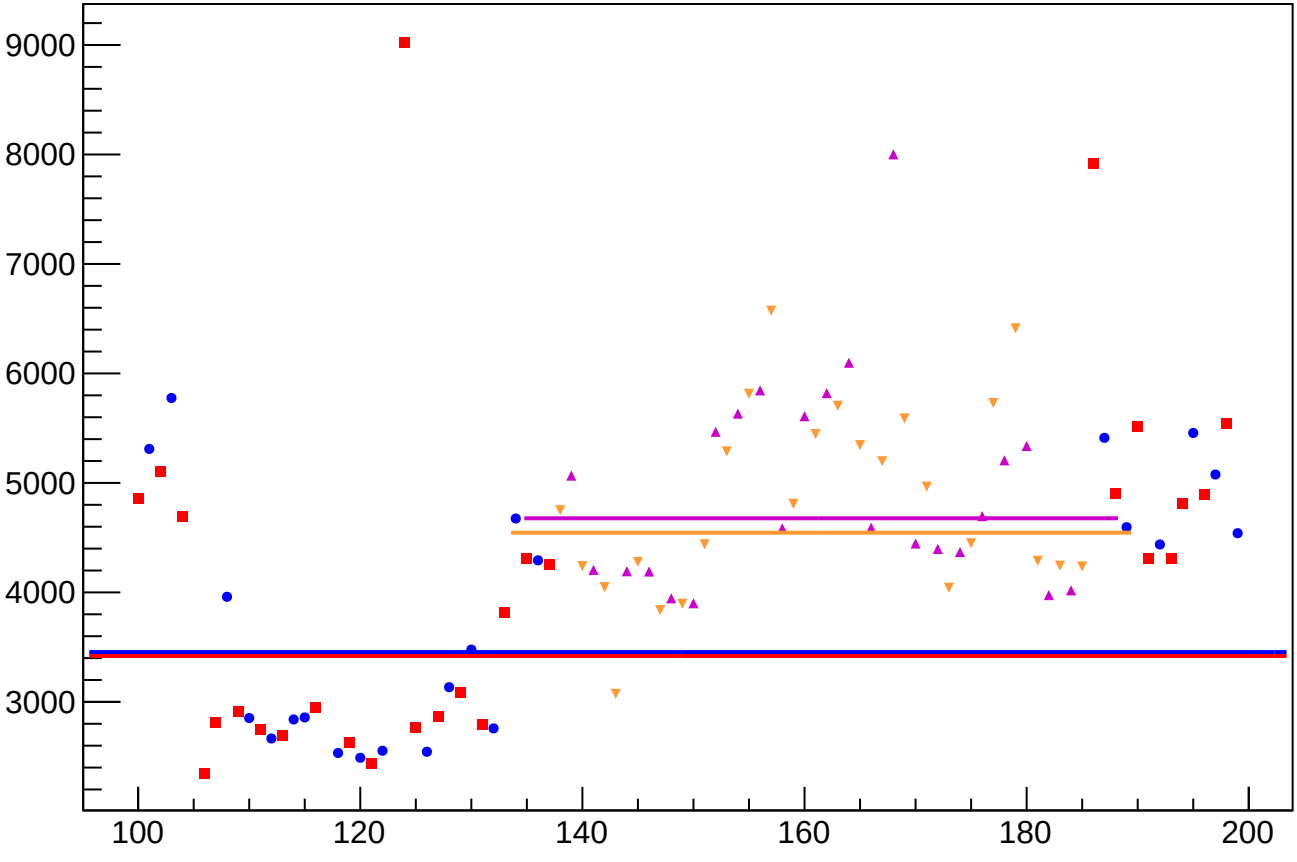
180
200
Right In: 2785.328+/-0.625 χ²/NDF: 3113194.1/21
Left Out: 4430.803+/-0.732 χ²/NDF:1613274.9/24
Right Out: 2656.100+/-0.574 χ²/NDF: 4029325.4/26
Left In: 4531.951+/-0.765 χ²/NDF:1376473.4/22
Left: 4479.092+/-0.529 χ²/NDF: 2998873.4/47
Right: 2715.189+/-0.423 χ²/NDF: 7165696.6/48
In: 3484.481+/-0.484 χ²/NDF:7612201.9/44
Out: 3332.267+/-0.452 χ²/NDF:9284898.4/51
All: 3403.063+/-0.330 χ²/NDF: 16949941.1/9


asym_atl_dd_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
Right In: 54.830+/-1064.237 χ²/NDF: 24.7/21
Left Out: -573.122+/-1054.836 χ²/NDF:28.8/24
Right Out: -1432.756+/-1018.457 χ²/NDF: 27.2/26
Left In: -398.404+/-1109.490 χ²/NDF:14.0/22
Left: -490.172+/-764.473 χ²/NDF: 42.8/47
Right: -721.646+/-735.810 χ²/NDF: 53.0/48
In: -162.356+/-768.029 χ²/NDF:38.8/44
Out: -1018.017+/-732.681 χ²/NDF:56.3/51
All: -610.330+/-530.140 χ²/NDF: 95.8/96

asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 3454.766+/-0.753 χ^2/NDF: 1855004.6/21

Left Out: 4545.493+/-0.746 χ^2/NDF:1258528.5/24

Right Out: 3419.137+/-0.713 χ^2/NDF: 2246038.0/26

Left In: 4677.049+/-0.785 χ^2/NDF:959885.7/22

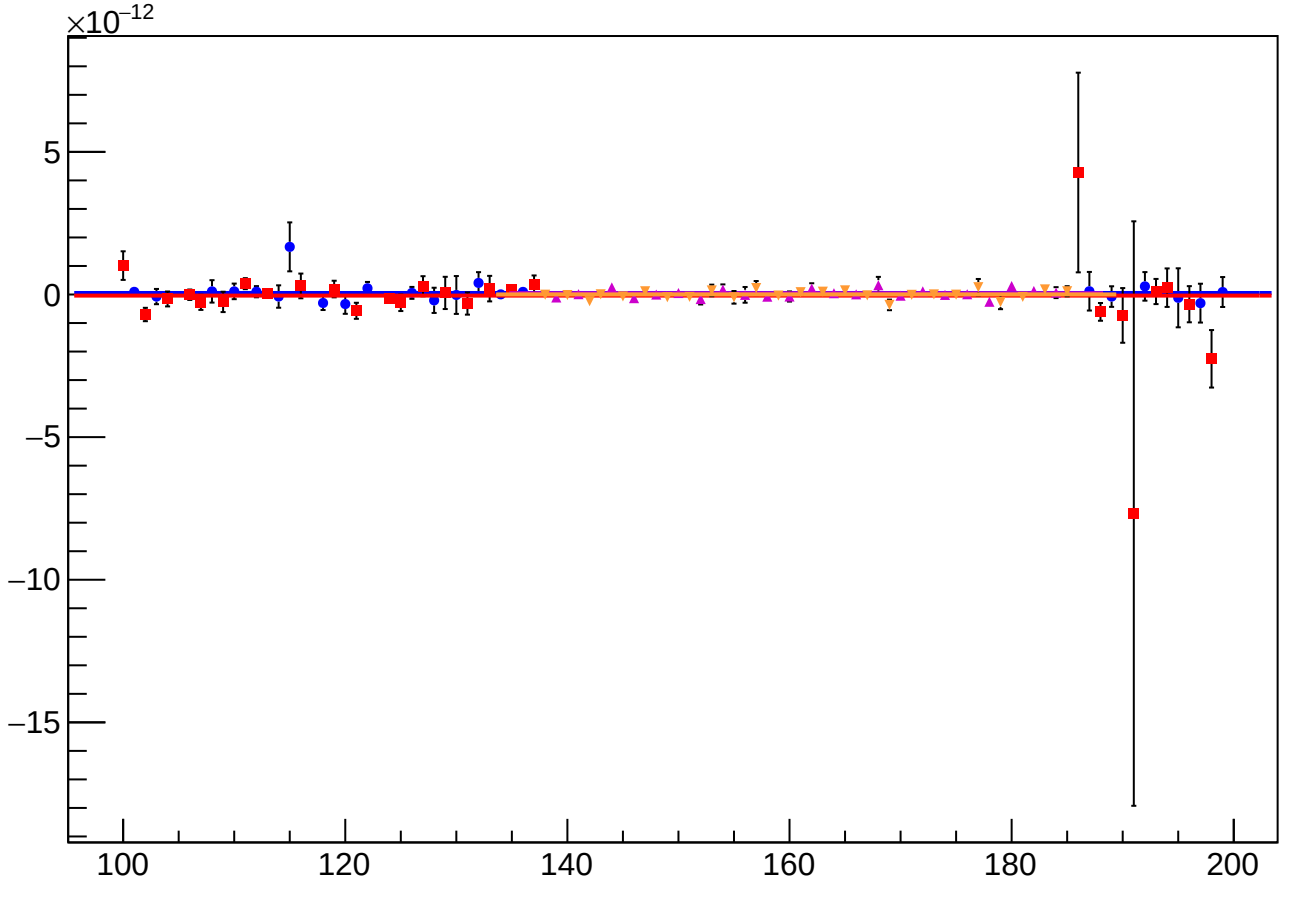
Left: 4607.951+/-0.541 χ^2/NDF: 2233183.6/47

Right: 3435.980+/-0.517 χ^2/NDF: 4102224.5/48

In: 4040.472+/-0.543 χ^2/NDF:4079063.0/44

Out: 3956.585+/-0.515 χ^2/NDF:4696859.5/51

All: 3996.323+/-0.374 χ^2/NDF: 8788479.7/96



Right In: 0.000+/-0.000 χ^2/NDF: 10.0/21

Left Out: 0.000+/-0.000 χ^2/NDF:18.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 41.5/26

Left In: 0.000+/-0.000 χ^2/NDF:20.6/22

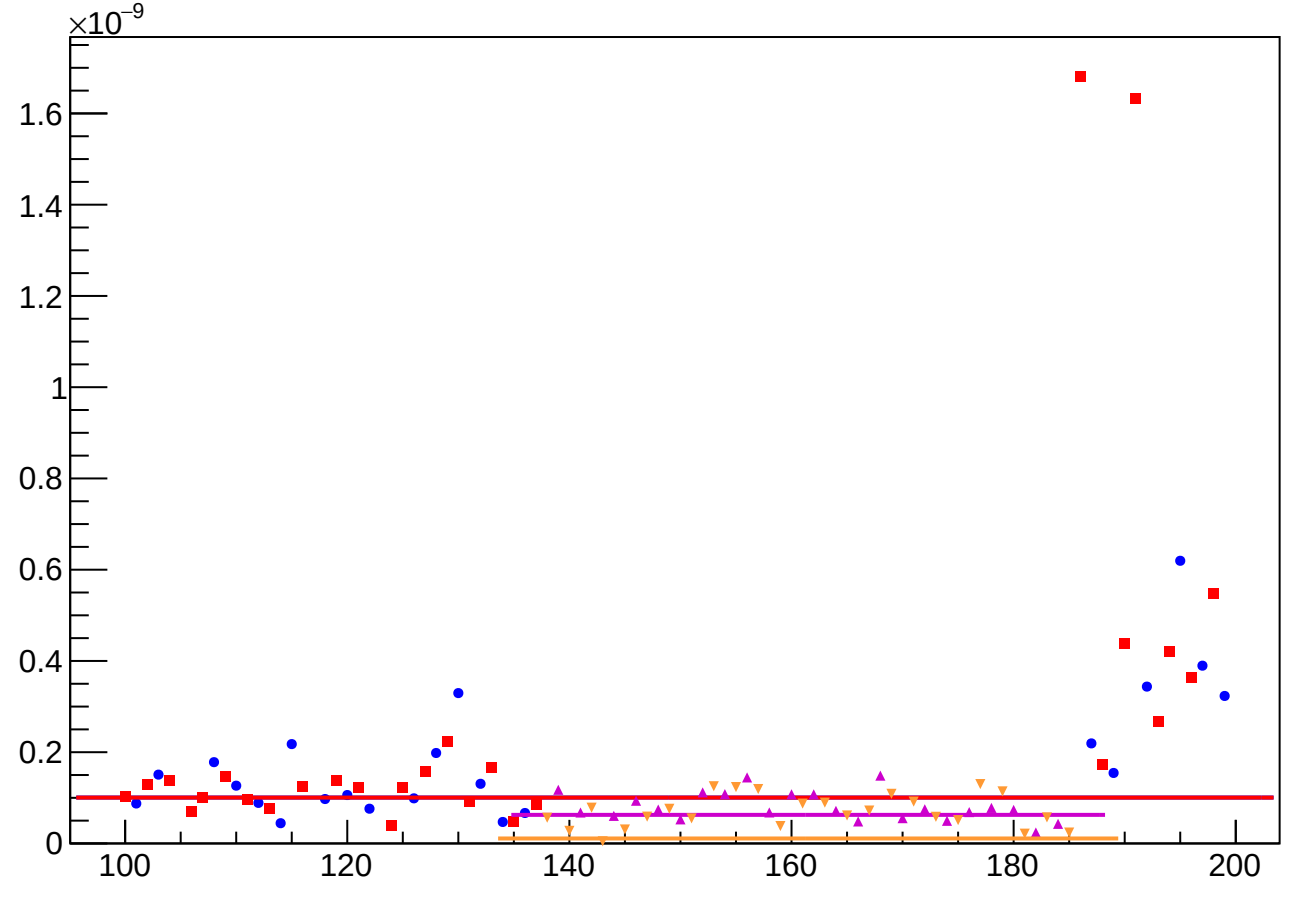
Left: 0.000+/-0.000 χ^2/NDF: 40.9/47

Right: 0.000+/-0.000 χ^2/NDF: 52.9/48

In: 0.000+/-0.000 χ^2/NDF:30.6/44

Out: 0.000+/-0.000 χ^2/NDF:60.3/51

All: 0.000+/-0.000 χ^2/NDF: 93.9/96



Right In: 0.000+/-0.000 χ^2/NDF: 2831666.0/21

Left Out: 0.000+/-0.000 χ^2/NDF:9705530.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3390891.0/26

Left In: 0.000+/-0.000 χ^2/NDF:2092071.7/22

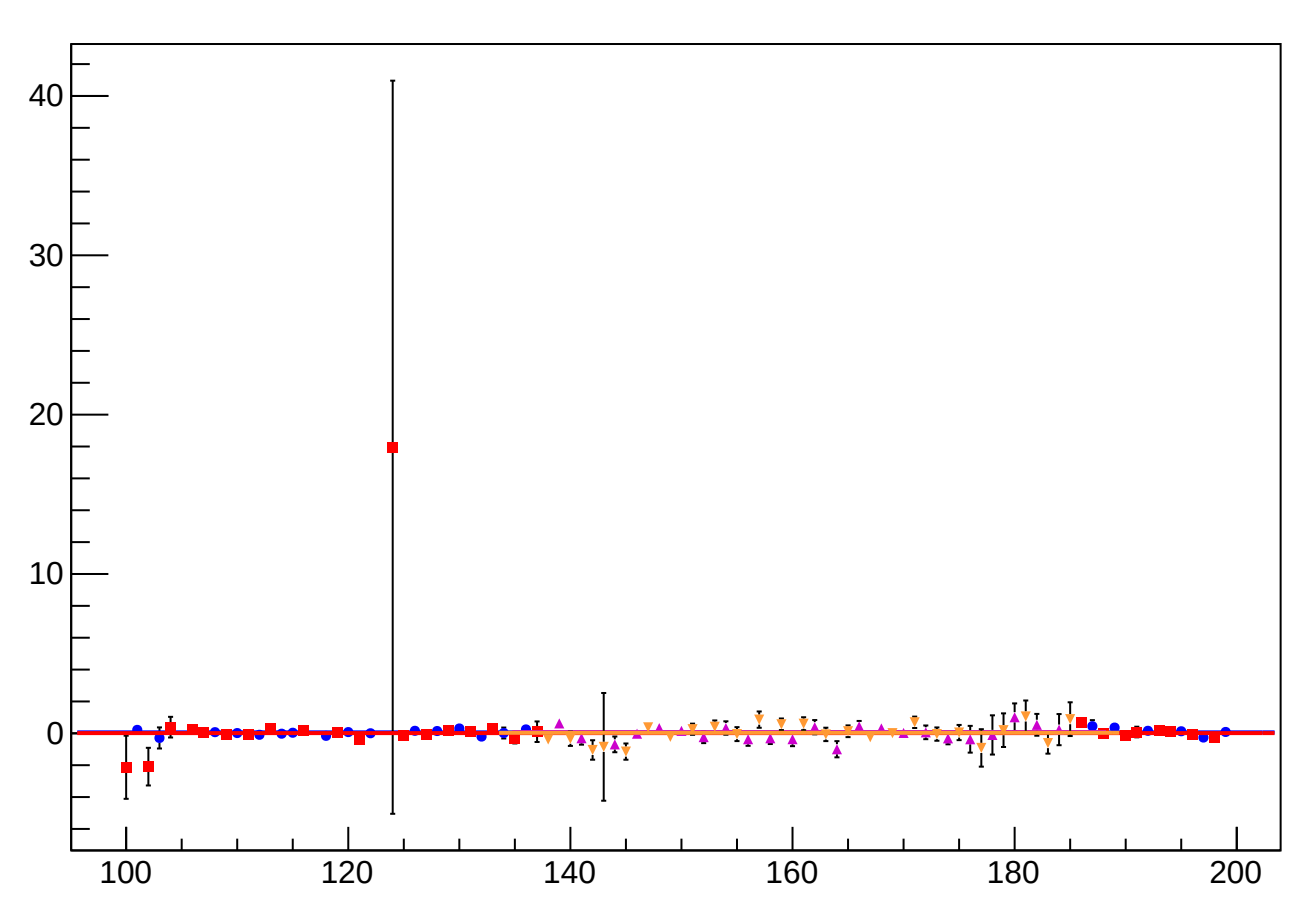
Left: 0.000+/-0.000 χ^2/NDF: 18964164.6/47

Right: 0.000+/-0.000 χ^2/NDF: 6222560.8/48

In: 0.000+/-0.000 χ^2/NDF:5709199.7/44

Out: 0.000+/-0.000 χ^2/NDF:18492254.6/51

All: 0.000+/-0.000 χ^2/NDF: 34554592.5/96



Right In: 0.061+/-0.040 χ^2/NDF: 15.6/21

Left Out: 0.036+/-0.077 χ^2/NDF:29.7/24

Right Out: 0.014+/-0.035 χ^2/NDF: 30.5/26

Left In: 0.078+/-0.076 χ^2/NDF:24.1/22

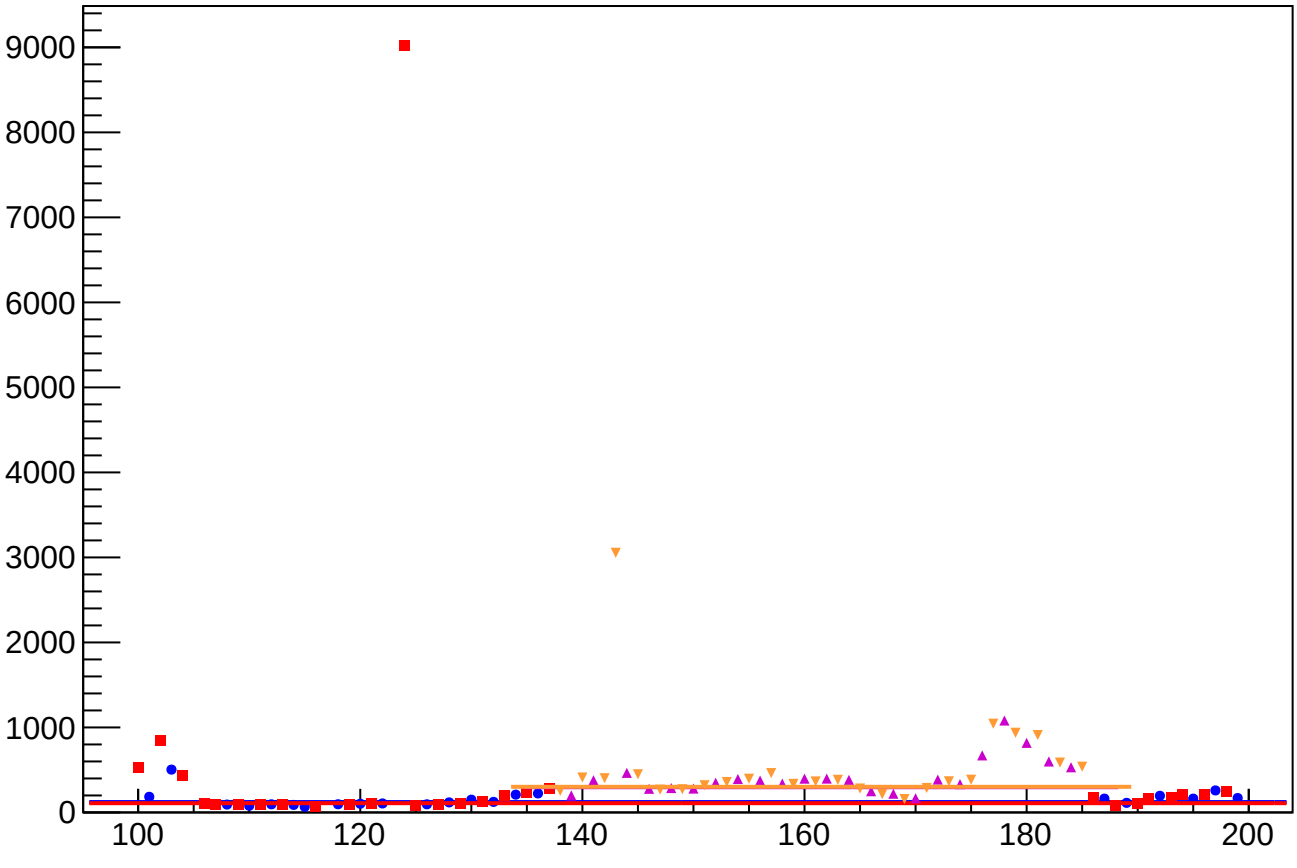
Left: 0.057+/-0.054 χ^2/NDF: 53.9/47

Right: 0.034+/-0.026 χ^2/NDF: 46.8/48

In: 0.064+/-0.035 χ^2/NDF:39.7/44

Out: 0.018+/-0.032 χ^2/NDF:60.2/51

All: 0.039+/-0.024 χ^2/NDF: 100.9/96



Right In: 122.233+/-0.028 χ^2/NDF: 3037335.4/21

Left Out: 301.735+/-0.054 χ^2/NDF:6693517.2/24

Right Out: 109.068+/-0.025 χ^2/NDF: 4554301.2/26

Left In: 296.875+/-0.054 χ^2/NDF:4917907.0/22

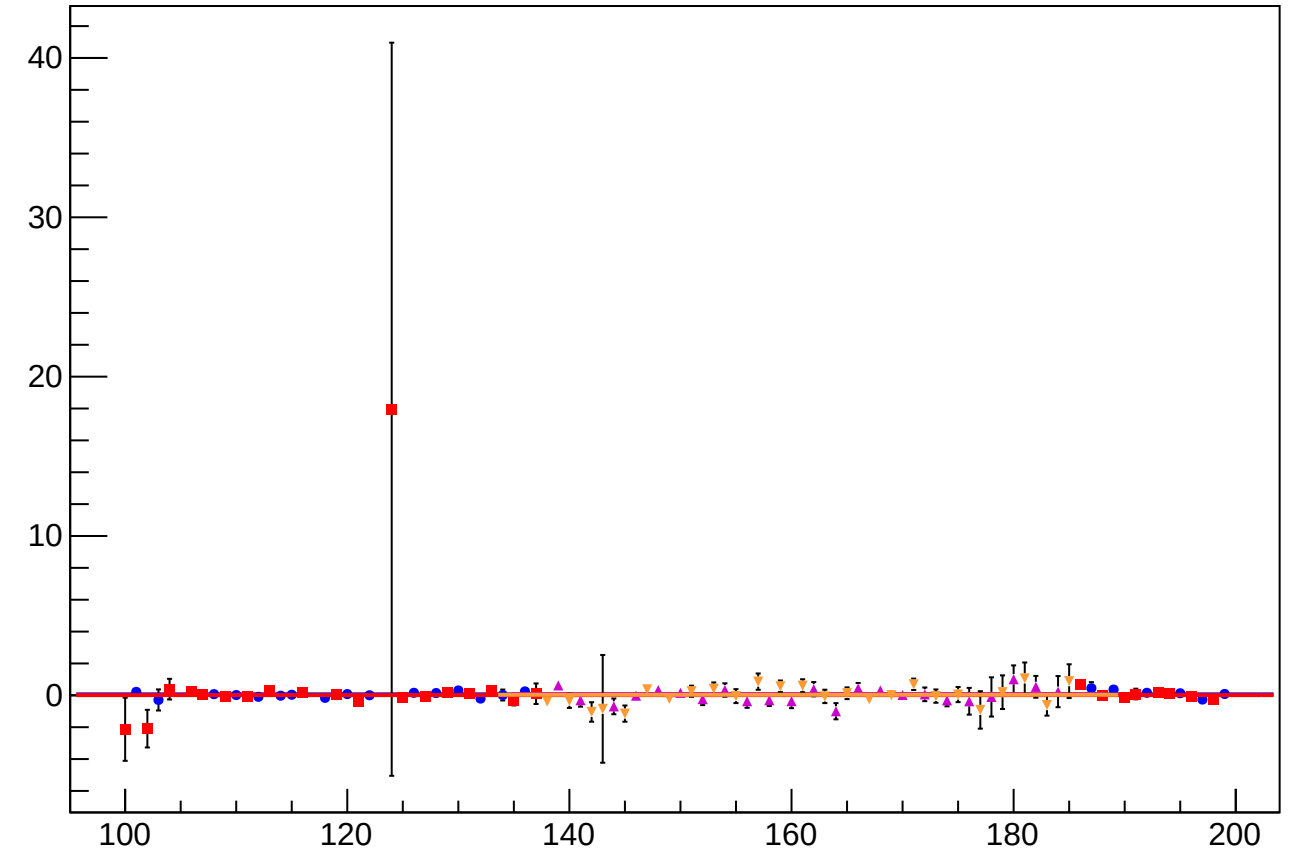
Left: 299.267+/-0.038 χ^2/NDF: 11615477.5/47

Right: 114.855+/-0.019 χ^2/NDF: 7714113.9/48

In: 160.060+/-0.025 χ^2/NDF:16285959.0/44

Out: 142.532+/-0.023 χ^2/NDF:21612771.1/51

All: 150.469+/-0.017 χ^2/NDF: 38169353.7/96



Right In: 0.061+/-0.040 χ^2/NDF: 15.6/21

Left Out: 0.036+/-0.077 χ^2/NDF:29.7/24

Right Out: 0.014+/-0.035 χ^2/NDF: 30.5/26

Left In: 0.078+/-0.076 χ^2/NDF:24.1/22

Left: 0.057+/-0.054 χ^2/NDF: 53.9/47

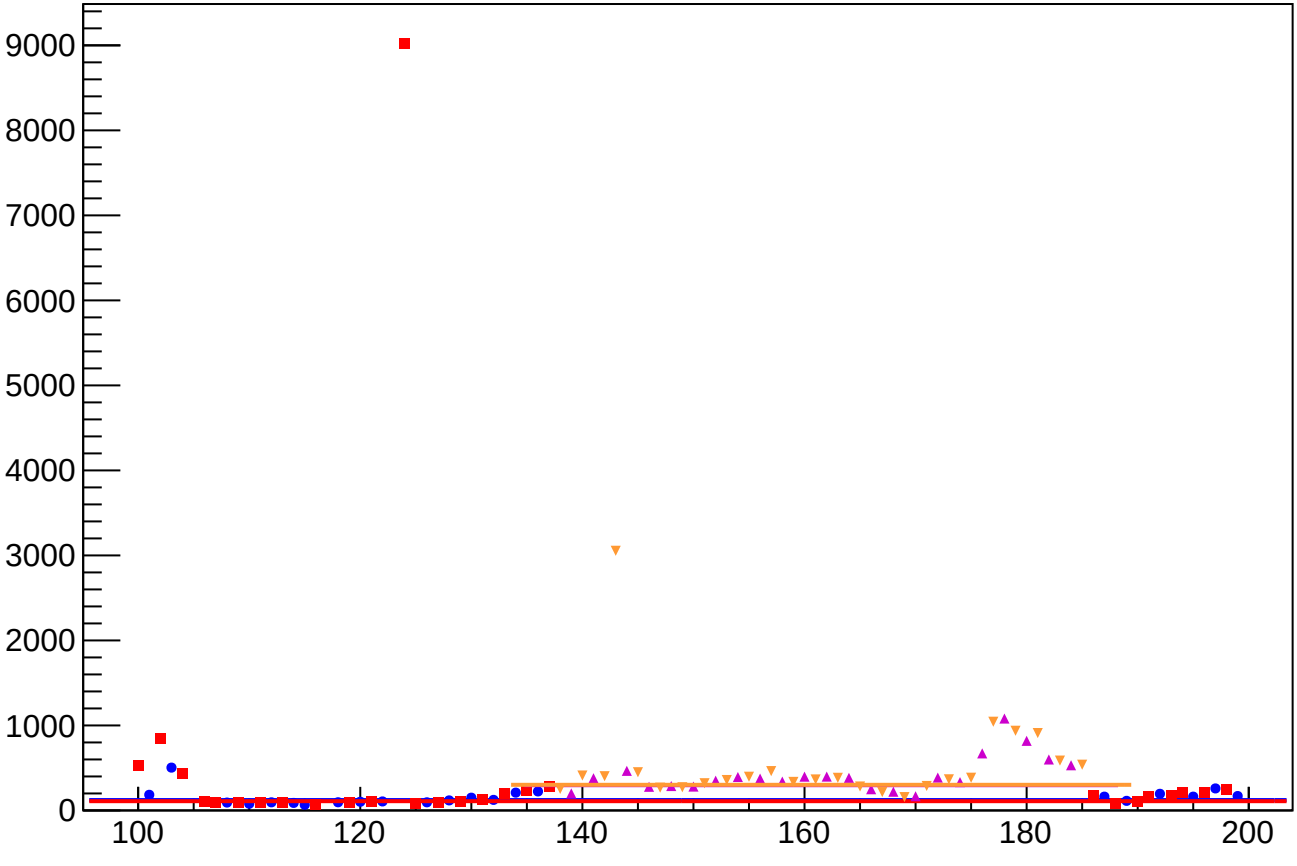
Right: 0.034+/-0.026 χ^2/NDF: 46.8/48

In: 0.064+/-0.035 χ^2/NDF:39.7/44

Out: 0.018+/-0.032 χ^2/NDF:60.2/51

All: 0.039+/-0.024 χ^2/NDF: 100.9/96

asym_atl_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 122.233+/-0.028 χ^2/NDF: 3037335.4/21

Left Out: 301.735+/-0.054 χ^2/NDF:6693517.2/24

Right Out: 109.068+/-0.025 χ^2/NDF: 4554301.2/26

Left In: 296.875+/-0.054 χ^2/NDF:4917907.0/22

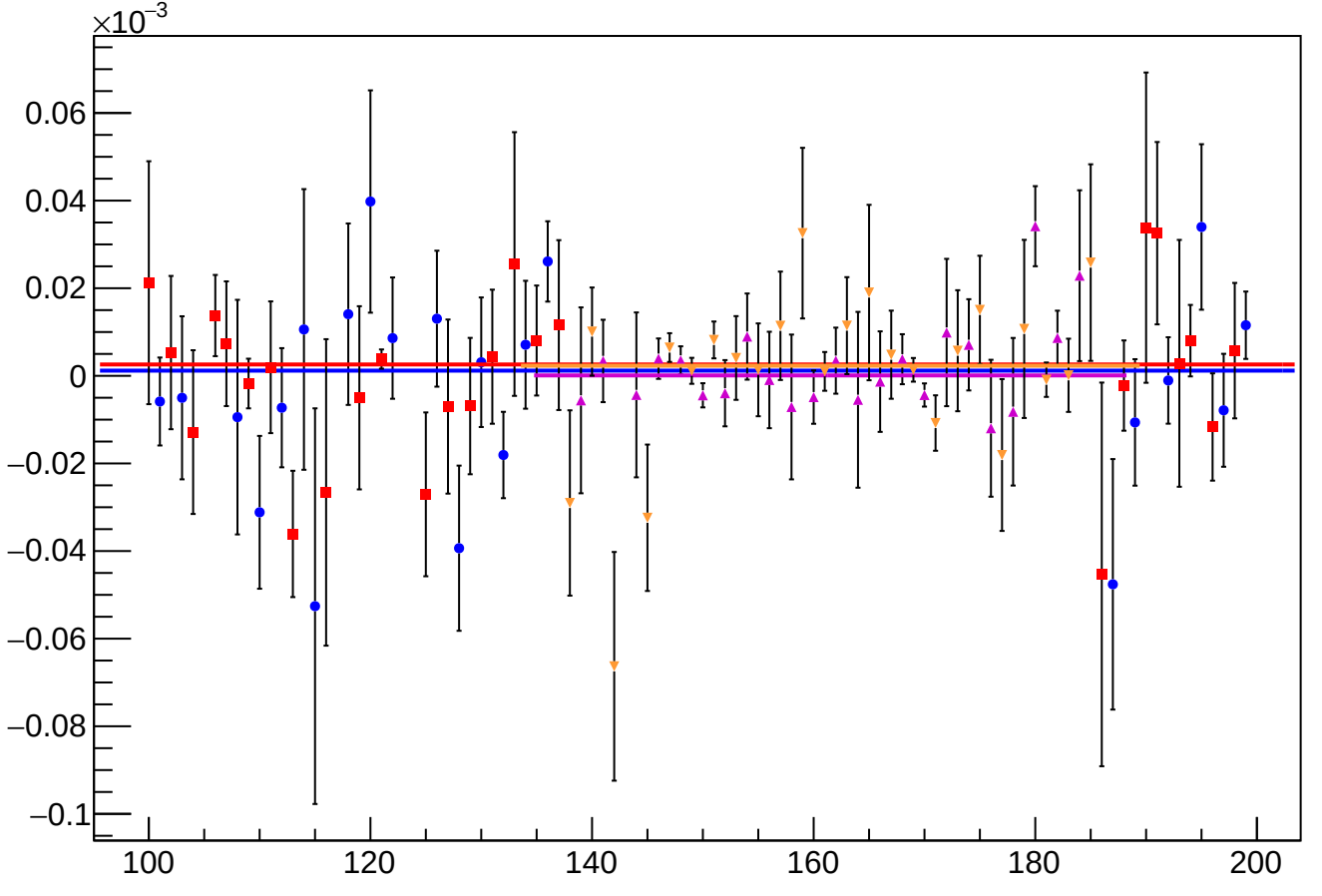
Left: 299.267+/-0.038 χ^2/NDF: 11615477.5/47

Right: 114.855+/-0.019 χ^2/NDF: 7714113.9/48

In: 160.060+/-0.025 χ^2/NDF:16285959.0/44

Out: 142.532+/-0.023 χ^2/NDF:21612771.1/51

All: 150.469+/-0.017 χ^2/NDF: 38169353.7/96



Right In: 0.000+/-0.000 χ^2/NDF: 34.6/21

Left Out: 0.000+/-0.000 χ^2/NDF:31.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 21.9/25

Left In: 0.000+/-0.000 χ^2/NDF:29.1/22

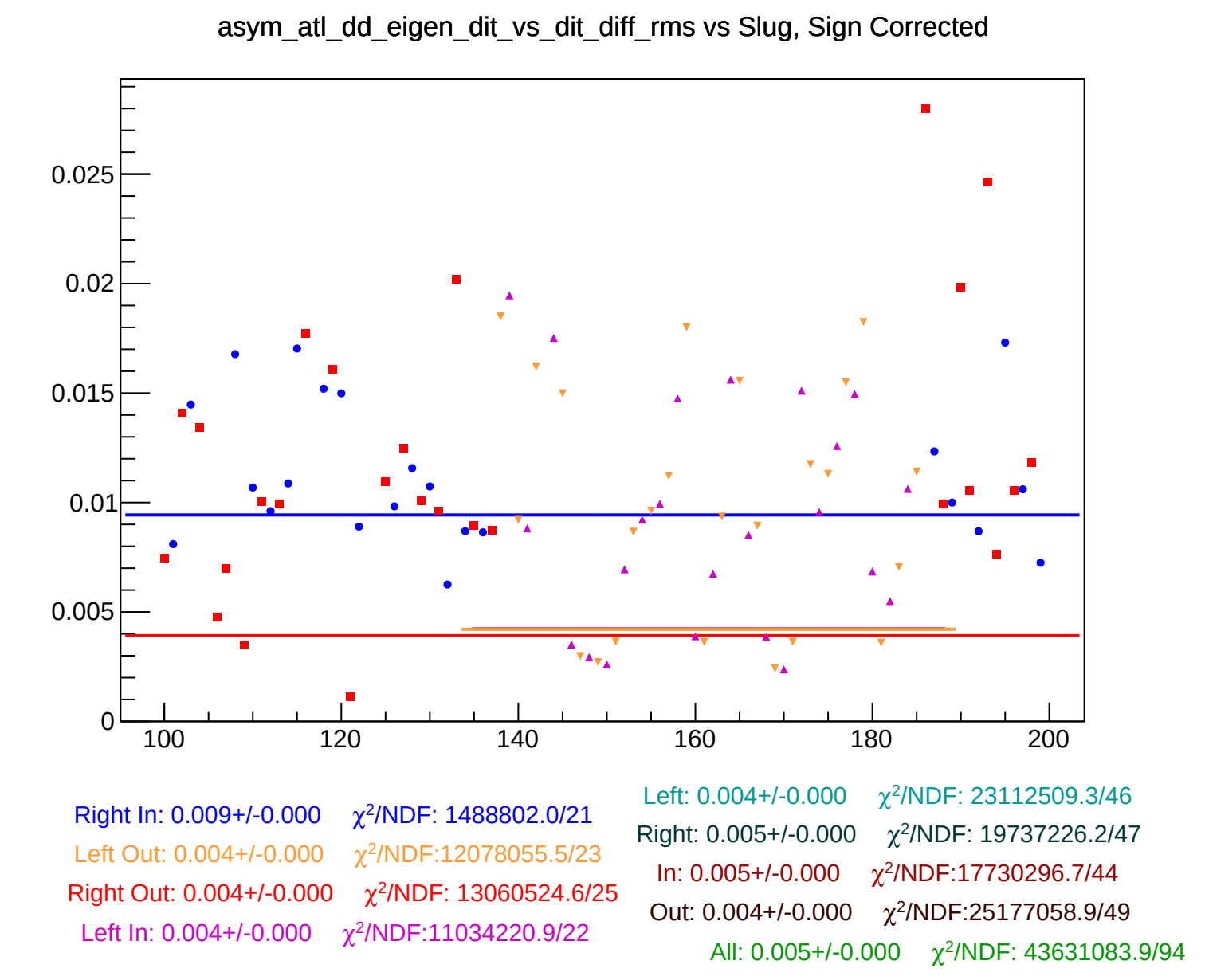
Left: 0.000+/-0.000 χ^2/NDF: 61.8/46

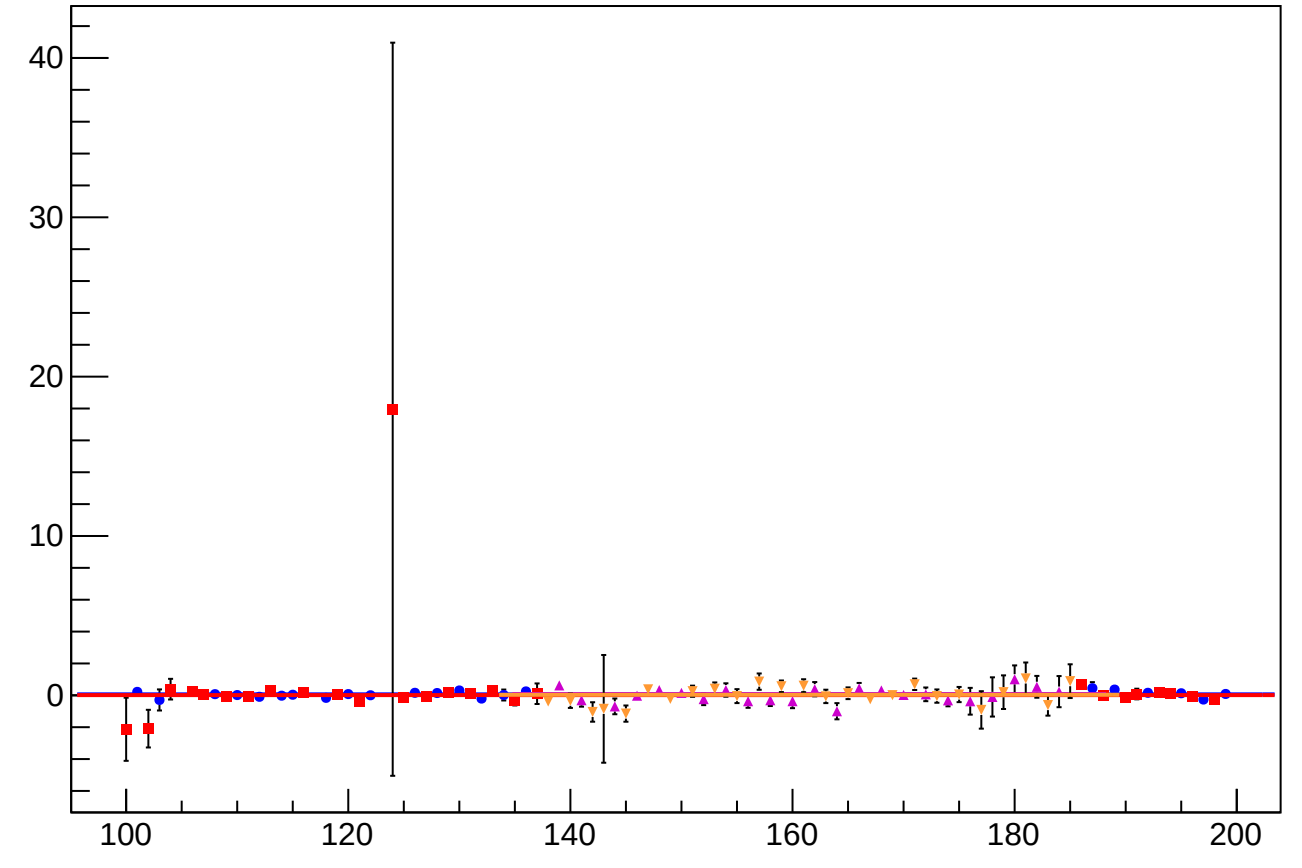
Right: 0.000+/-0.000 χ^2/NDF: 56.7/47

In: 0.000+/-0.000 χ^2/NDF:63.8/44

Out: 0.000+/-0.000 χ^2/NDF:53.1/49

All: 0.000+/-0.000 χ^2/NDF: 118.8/94


asym_atl_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.025
0.02
0.015
0.01
0.005
0
100
120
140
160
180
200
Right In: 0.009+/-0.000 χ²/NDF: 1488802.0/21
Left Out: 0.004+/-0.000 χ²/NDF:12078055.5/23
Right Out: 0.004+/-0.000 χ²/NDF: 13060524.6/25
Left In: 0.004+/-0.000 χ²/NDF:11034220.9/22
Left: 0.004+/-0.000 χ²/NDF: 23112509.3/46
Right: 0.005+/-0.000 χ²/NDF: 19737226.2/47
In: 0.005+/-0.000 χ²/NDF:17730296.7/44
Out: 0.004+/-0.000 χ²/NDF:25177058.9/49
All: 0.005+/-0.000 χ²/NDF: 43631083.9/94



Right In: 0.061+/-0.040 χ^2/NDF: 15.6/21

Left Out: 0.036+/-0.077 χ^2/NDF:29.7/24

Right Out: 0.014+/-0.035 χ^2/NDF: 30.5/26

Left In: 0.078+/-0.076 χ^2/NDF:24.1/22

Left: 0.057+/-0.054 χ^2/NDF: 53.9/47

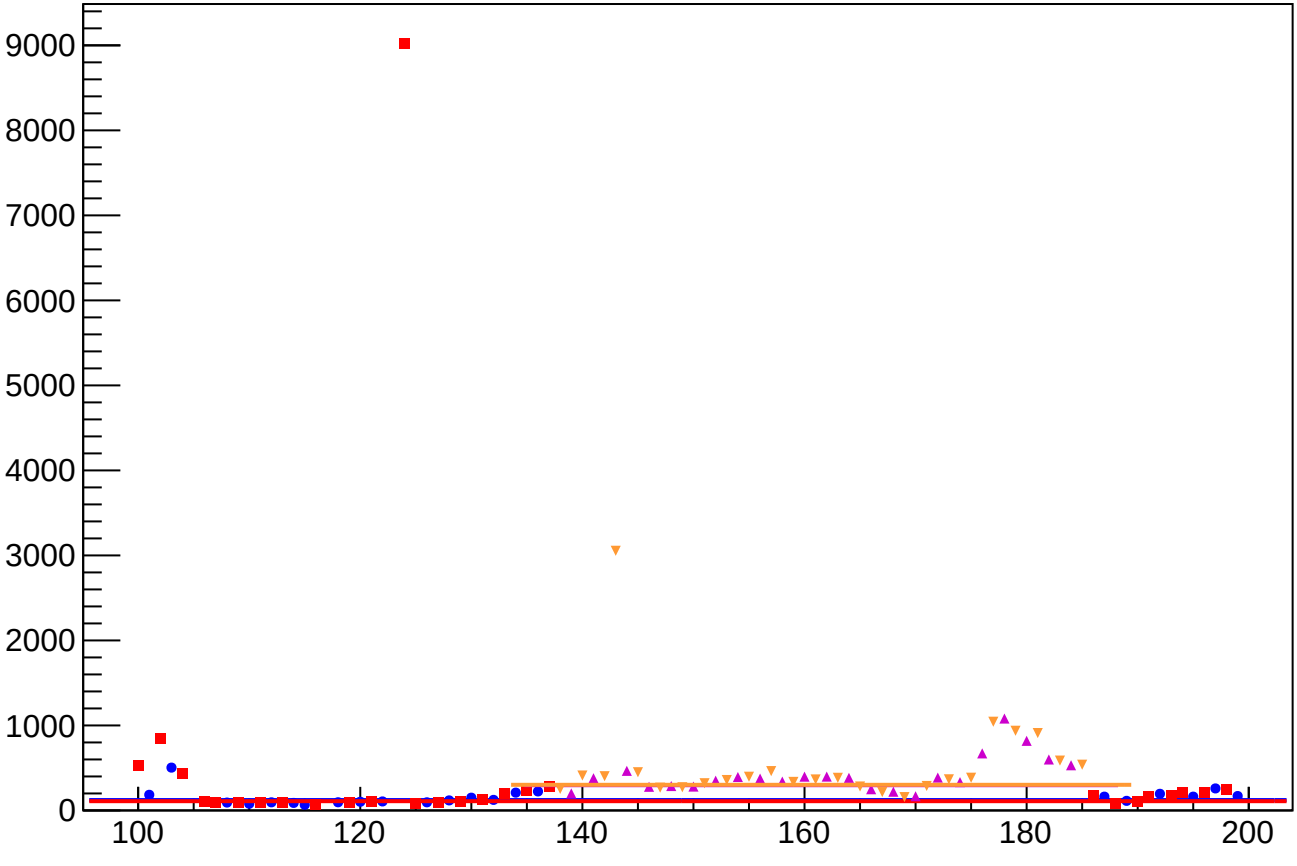
Right: 0.034+/-0.026 χ^2/NDF: 46.8/48

In: 0.064+/-0.035 χ^2/NDF:39.7/44

Out: 0.018+/-0.032 χ^2/NDF:60.2/51

All: 0.039+/-0.024 χ^2/NDF: 100.9/96

asym_atl_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 122.233+/-0.028 χ^2/NDF: 3037277.2/21

Left Out: 301.737+/-0.054 χ^2/NDF:6693577.7/24

Right Out: 109.069+/-0.025 χ^2/NDF: 4554156.7/26

Left In: 296.878+/-0.054 χ^2/NDF:4917864.1/22

Left: 299.269+/-0.038 χ^2/NDF: 11615492.5/47

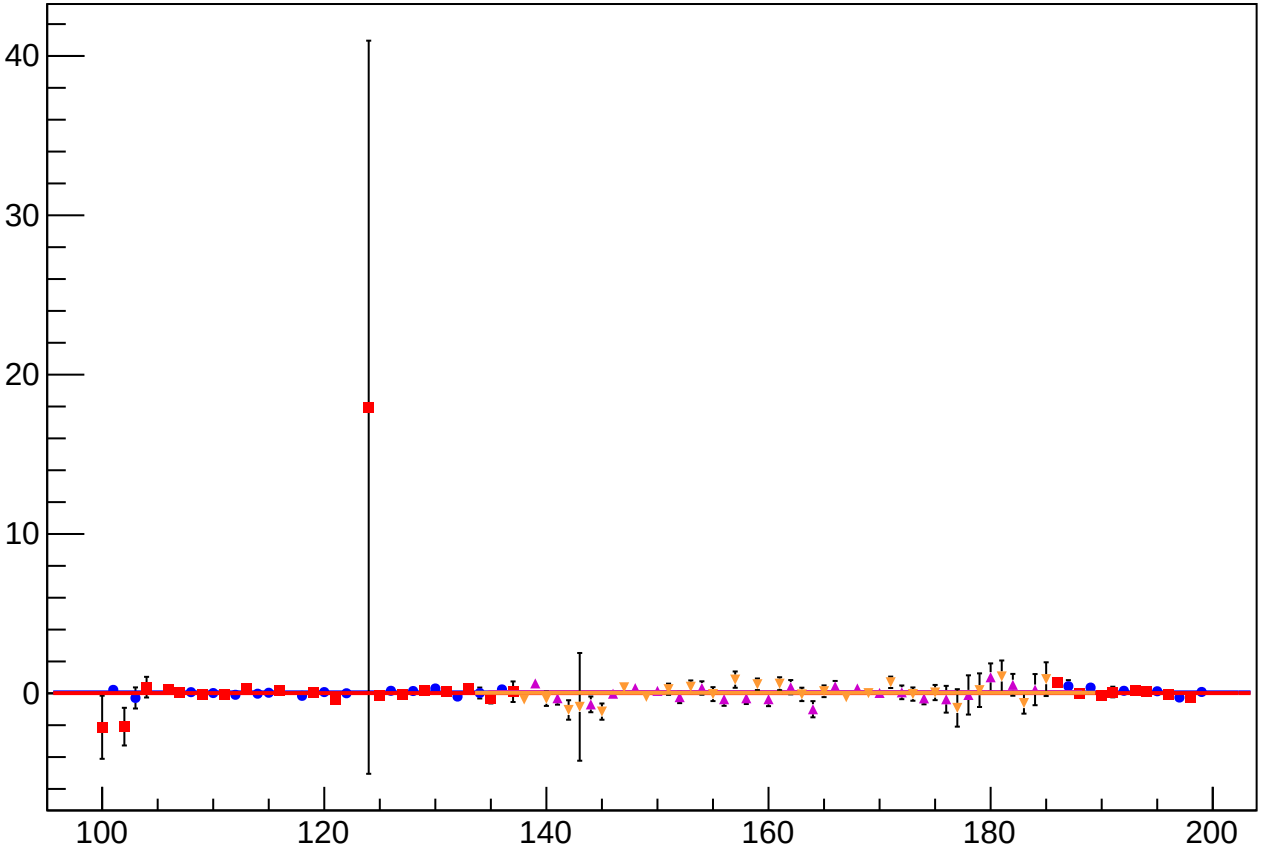
Right: 114.856+/-0.019 χ^2/NDF: 7713902.6/48

In: 160.060+/-0.025 χ^2/NDF:16286008.4/44

Out: 142.533+/-0.023 χ^2/NDF:21612685.0/51

All: 150.469+/-0.017 χ^2/NDF: 38169306.7/96

asym_atl_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.061+/-0.040 χ^2/NDF: 15.6/21

Left Out: 0.036+/-0.077 χ^2/NDF:29.7/24

Right Out: 0.014+/-0.035 χ^2/NDF: 30.5/26

Left In: 0.078+/-0.076 χ^2/NDF:24.1/22

Left: 0.057+/-0.054 χ^2/NDF: 53.9/47

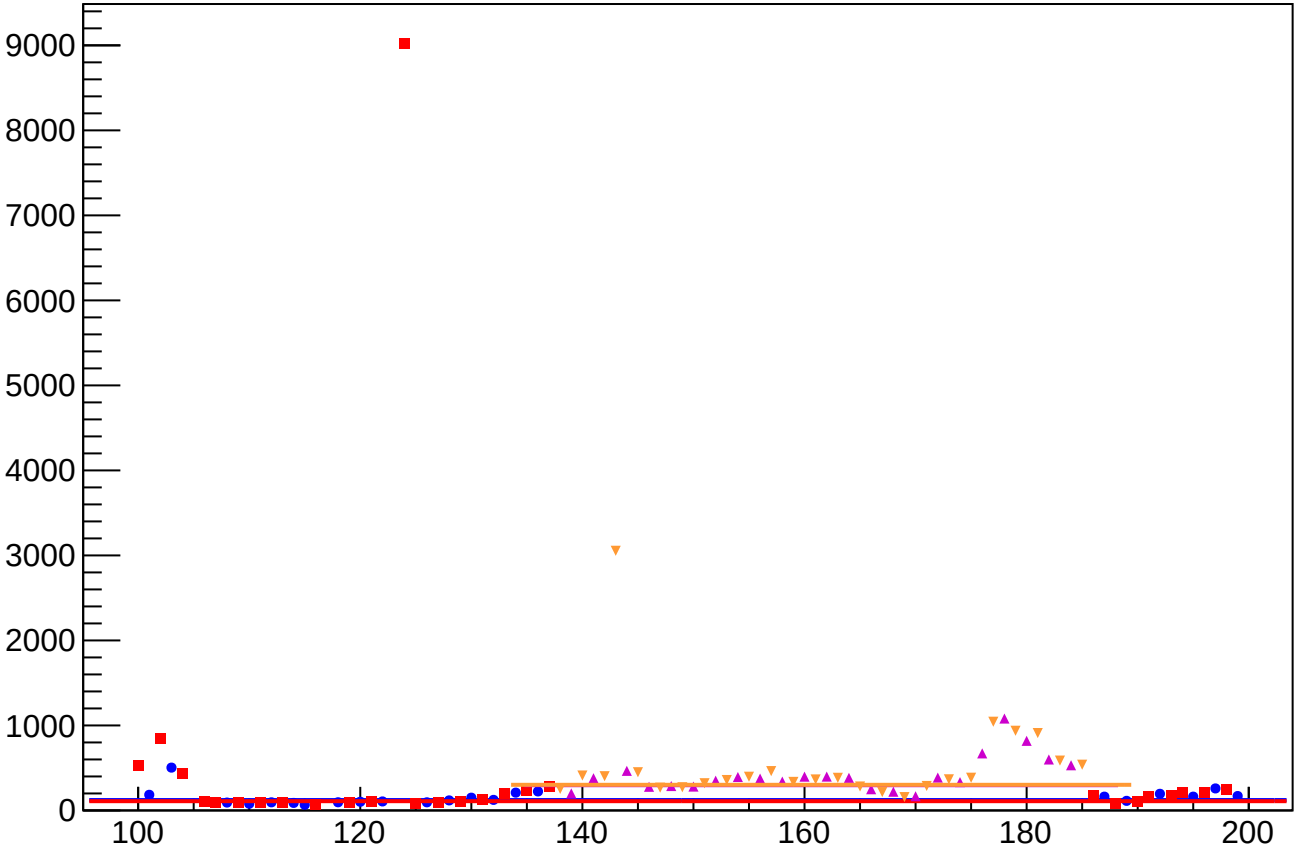
Right: 0.034+/-0.026 χ^2/NDF: 46.8/48

In: 0.064+/-0.035 χ^2/NDF:39.7/44

Out: 0.018+/-0.032 χ^2/NDF:60.2/51

All: 0.039+/-0.024 χ^2/NDF: 100.9/96

asym_atl_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 122.233+/-0.028 χ^2/NDF: 3037277.2/21

Left Out: 301.737+/-0.054 χ^2/NDF:6693577.7/24

Right Out: 109.069+/-0.025 χ^2/NDF: 4554156.7/26

Left In: 296.878+/-0.054 χ^2/NDF:4917864.1/22

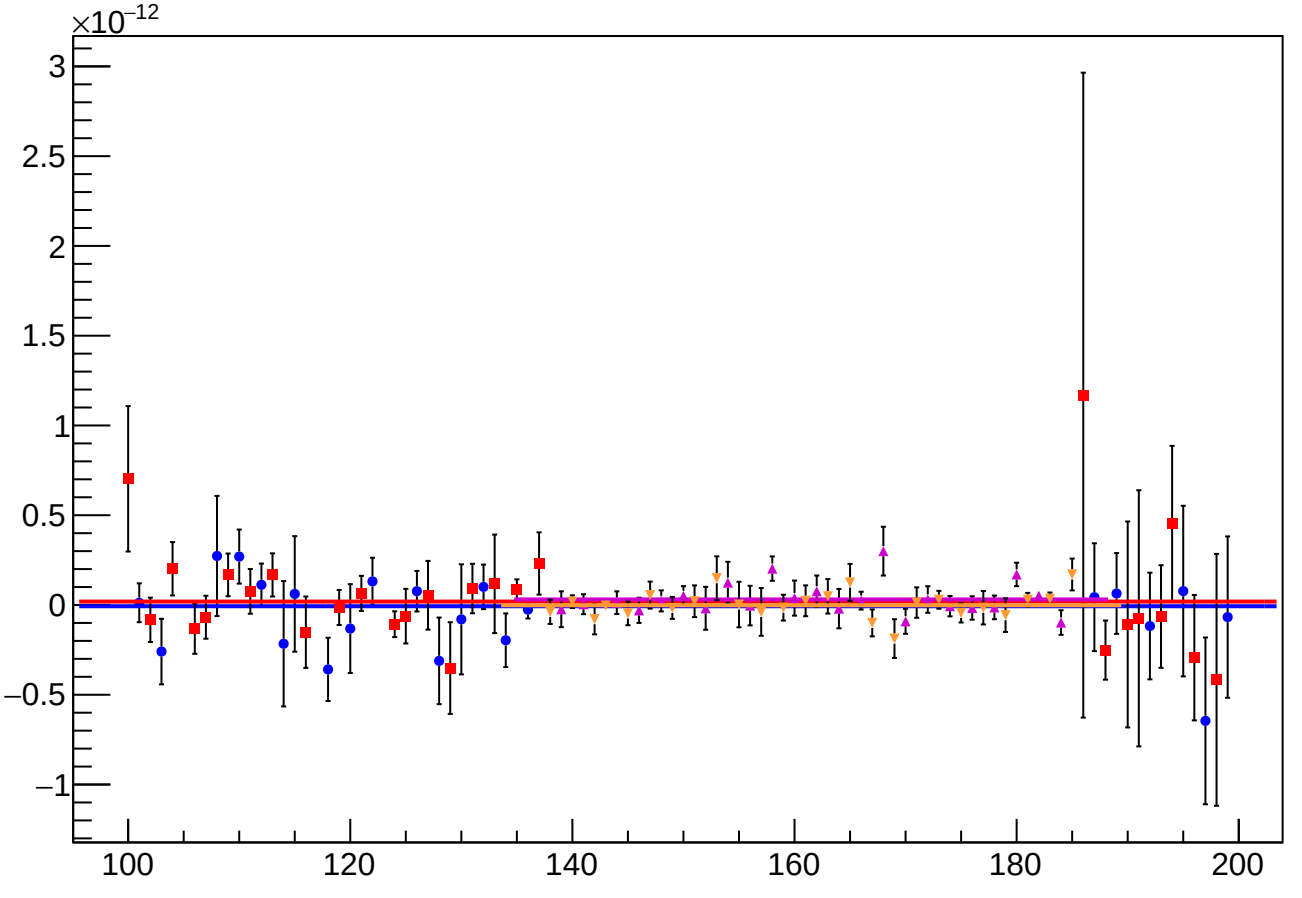
Left: 299.269+/-0.038 χ^2/NDF: 11615492.5/47

Right: 114.856+/-0.019 χ^2/NDF: 7713902.6/48

In: 160.060+/-0.025 χ^2/NDF:16286008.4/44

Out: 142.533+/-0.023 χ^2/NDF:21612685.0/51

All: 150.469+/-0.017 χ^2/NDF: 38169306.7/96



Right In: -0.000+/-0.000 χ^2/NDF: 19.7/21

Left Out: -0.000+/-0.000 χ^2/NDF:17.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 25.2/26

Left In: 0.000+/-0.000 χ^2/NDF:26.4/22

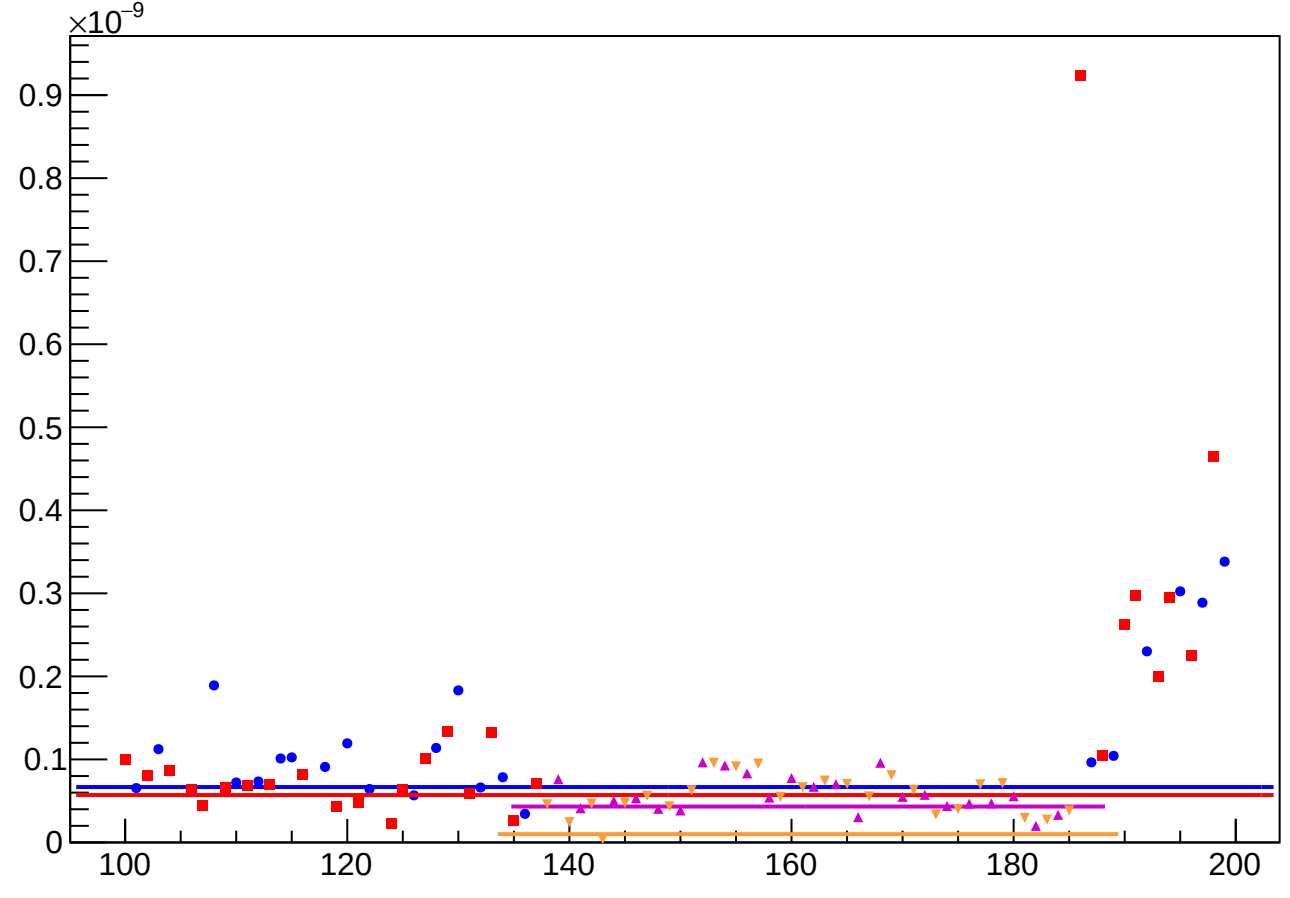
Left: 0.000+/-0.000 χ^2/NDF: 49.3/47

Right: 0.000+/-0.000 χ^2/NDF: 45.3/48

In: 0.000+/-0.000 χ^2/NDF:47.3/44

Out: -0.000+/-0.000 χ^2/NDF:43.5/51

All: 0.000+/-0.000 χ^2/NDF: 94.7/96



Right In: 0.000+/-0.000 χ^2/NDF: 4186761.9/21

Left Out: 0.000+/-0.000 χ^2/NDF:18523402.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5121168.8/26

Left In: 0.000+/-0.000 χ^2/NDF:4049081.0/22

Left: 0.000+/-0.000 χ^2/NDF: 33507700.8/47

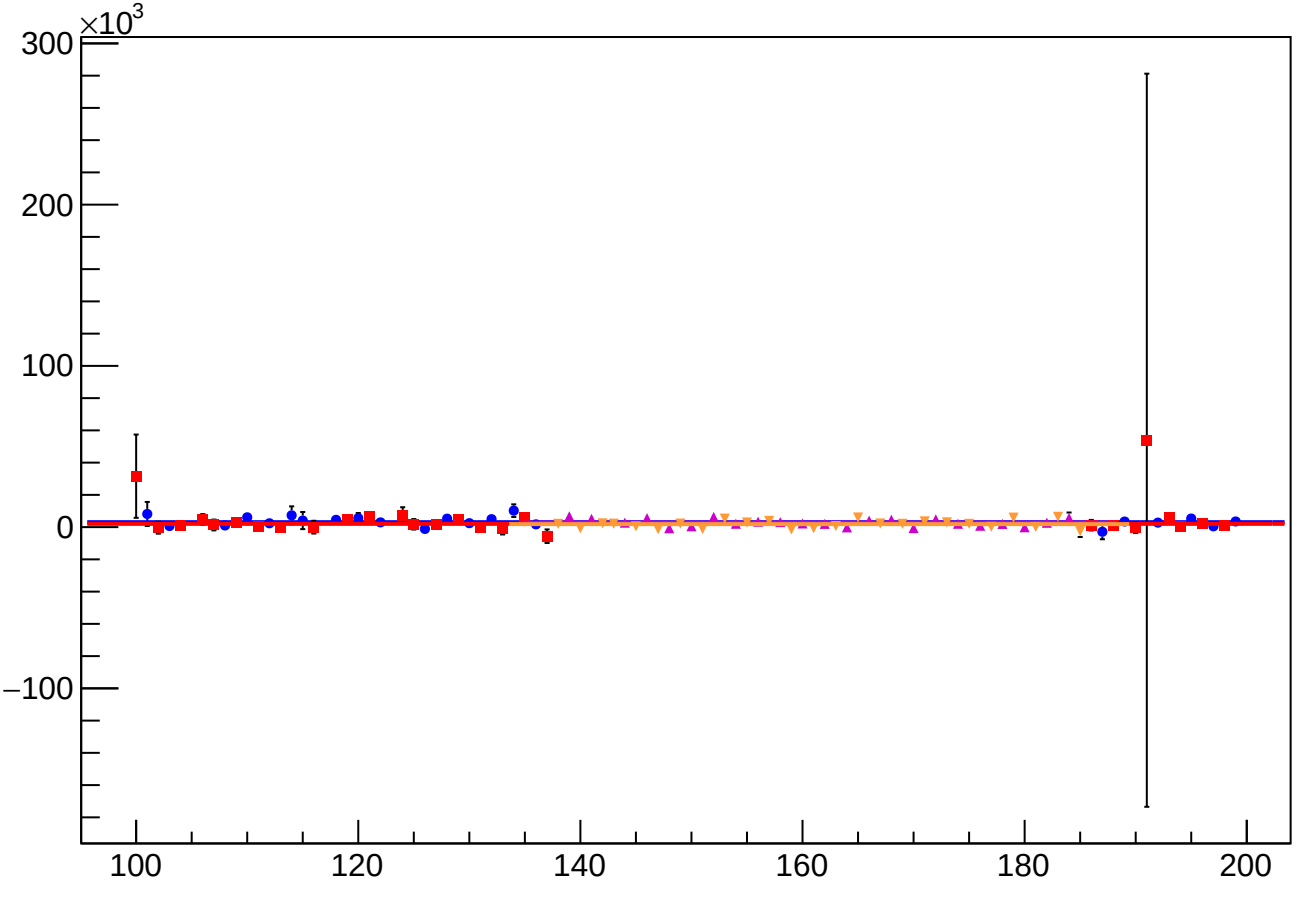
Right: 0.000+/-0.000 χ^2/NDF: 9419965.5/48

In: 0.000+/-0.000 χ^2/NDF:9211568.7/44

Out: 0.000+/-0.000 χ^2/NDF:29721102.6/51

All: 0.000+/-0.000 χ^2/NDF: 53156427.1/96

reg_asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 3065.039+/-581.127 χ^2/NDF: 15.9/21

Left Out: 1851.999+/-420.006 χ^2/NDF:31.5/24

Right Out: 2024.240+/-556.023 χ^2/NDF: 21.0/26

Left In: 2775.769+/-430.870 χ^2/NDF:25.4/22

Left: 2302.092+/-300.757 χ^2/NDF: 59.3/47

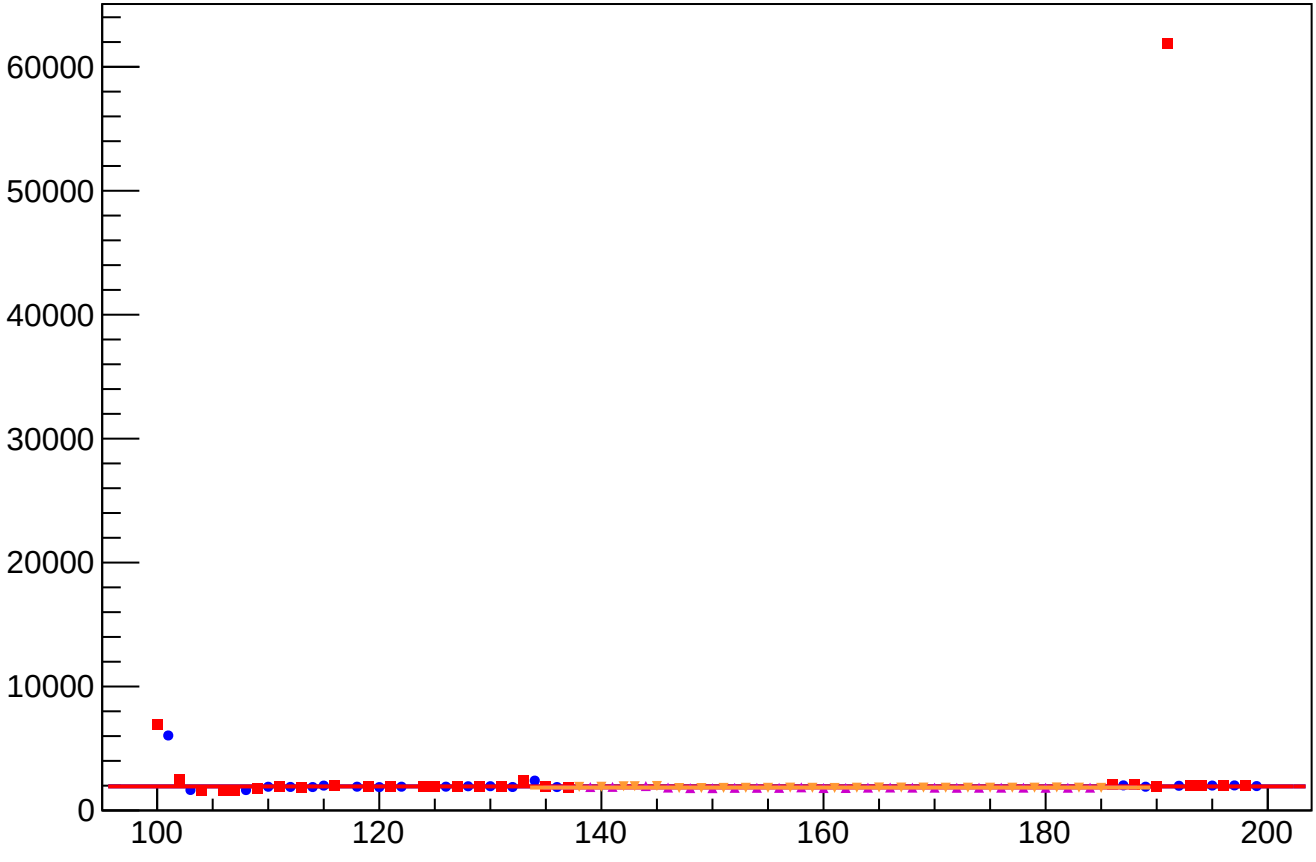
Right: 2521.674+/-401.750 χ^2/NDF: 38.6/48

In: 2878.381+/-346.113 χ^2/NDF:41.5/44

Out: 1914.574+/-335.138 χ^2/NDF:52.6/51

All: 2380.955+/-240.765 χ^2/NDF: 98.1/96

reg_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1944.214+/-0.411 χ^2/NDF: 705767.3/21

Left Out: 1848.522+/-0.297 χ^2/NDF:20886.6/24

Right Out: 1939.385+/-0.392 χ^2/NDF: 402710.7/26

Left In: 1845.061+/-0.305 χ^2/NDF:14026.0/22

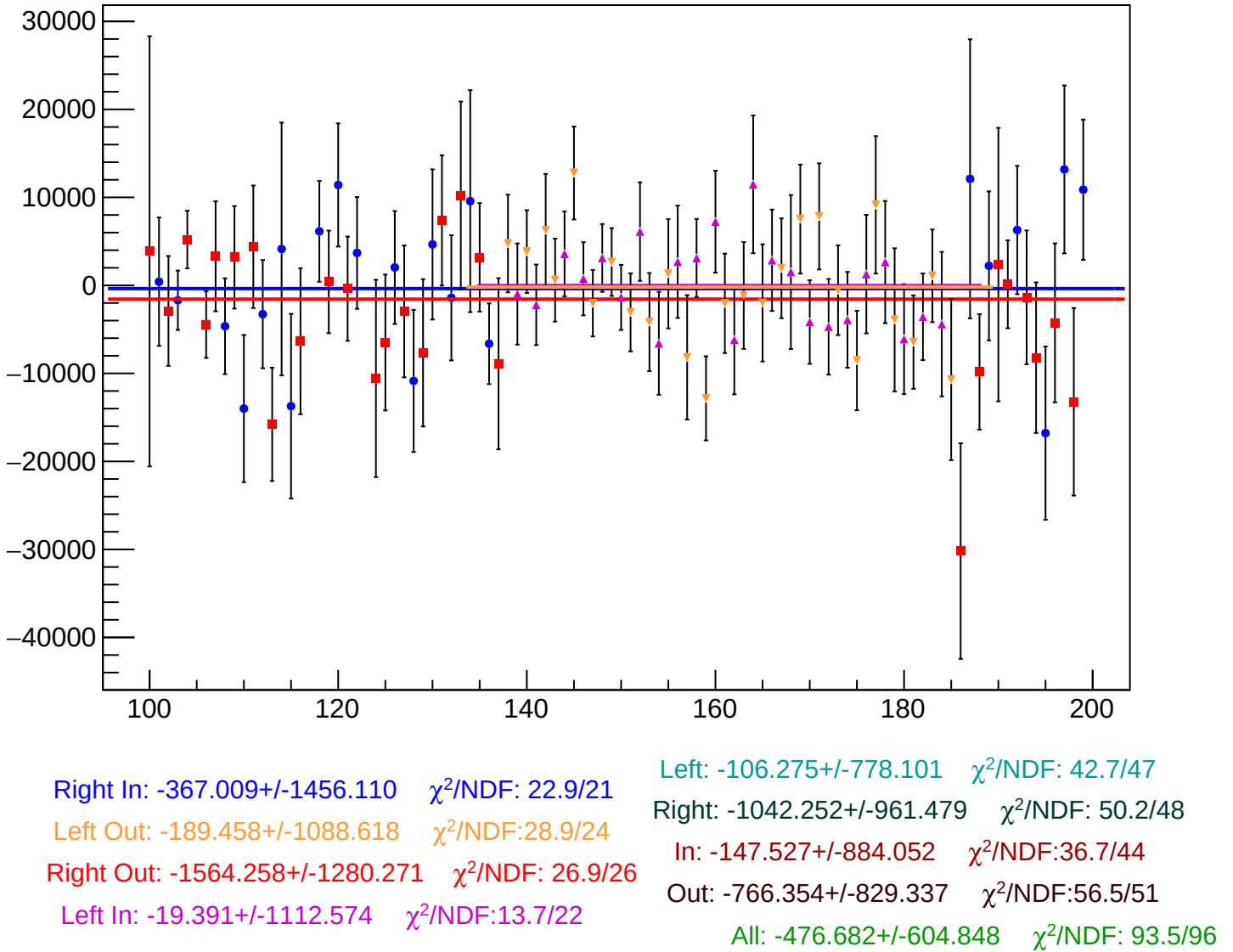
Left: 1846.835+/-0.213 χ^2/NDF: 34978.8/47

Right: 1941.688+/-0.284 χ^2/NDF: 1108550.2/48

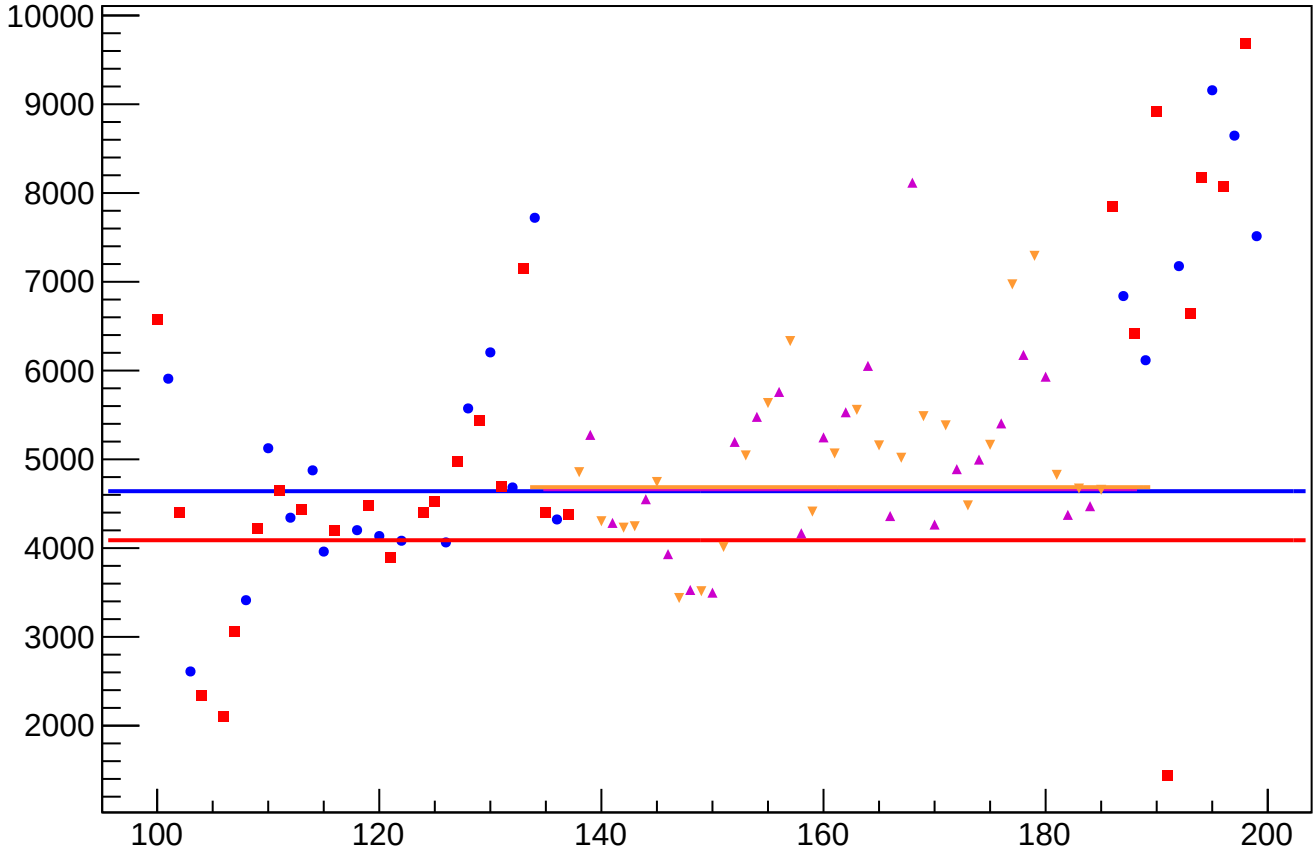
In: 1880.233+/-0.245 χ^2/NDF:757363.6/44

Out: 1881.622+/-0.237 χ^2/NDF:457695.5/51

All: 1880.950+/-0.170 χ^2/NDF: 1215075.7/96


asym_atr_avg_reg_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
Right In: -367.009+/-1456.110 χ²/NDF: 22.9/21
Left Out: -189.458+/-1088.618 χ²/NDF:28.9/24
Right Out: -1564.258+/-1280.271 χ²/NDF: 26.9/26
Left In: -19.391+/-1112.574 χ²/NDF:13.7/22
Left: -106.275+/-778.101 χ²/NDF: 42.7/47
Right: -1042.252+/-961.479 χ²/NDF: 50.2/48
In: -147.527+/-884.052 χ²/NDF:36.7/44
Out: -766.354+/-829.337 χ²/NDF:56.5/51
All: -476.682+/-604.848 χ²/NDF: 93.5/96

asym_atr_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 4641.254+/-1.030 χ^2/NDF: 2558412.0/21

Left Out: 4686.353+/-0.770 χ^2/NDF:1185063.7/24

Right Out: 4088.741+/-0.905 χ^2/NDF: 4329232.4/26

Left In: 4663.272+/-0.787 χ^2/NDF:1286726.4/22

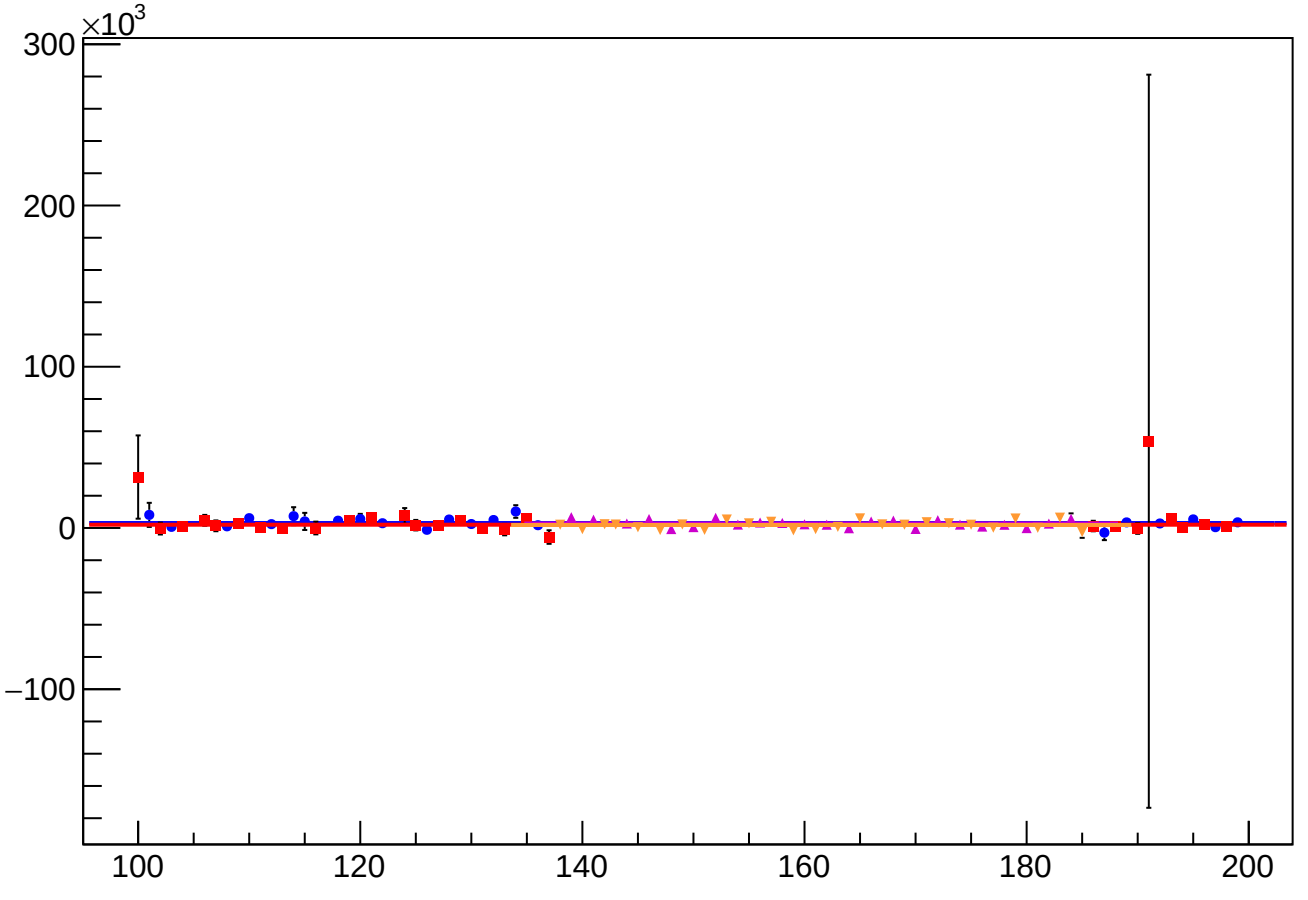
Left: 4675.064+/-0.550 χ^2/NDF: 2472229.8/47

Right: 4329.638+/-0.680 χ^2/NDF: 7050050.5/48

In: 4655.156+/-0.625 χ^2/NDF:3845427.1/44

Out: 4435.581+/-0.586 χ^2/NDF:5767212.5/51

All: 4538.364+/-0.428 χ^2/NDF: 9678264.7/96



Right In: 3064.657+/-581.127 χ^2/NDF: 15.9/21

Left Out: 1851.888+/-420.006 χ^2/NDF:31.5/24

Right Out: 2024.896+/-556.025 χ^2/NDF: 21.0/26

Left In: 2775.745+/-430.870 χ^2/NDF:25.4/22

Left: 2302.023+/-300.757 χ^2/NDF: 59.3/47

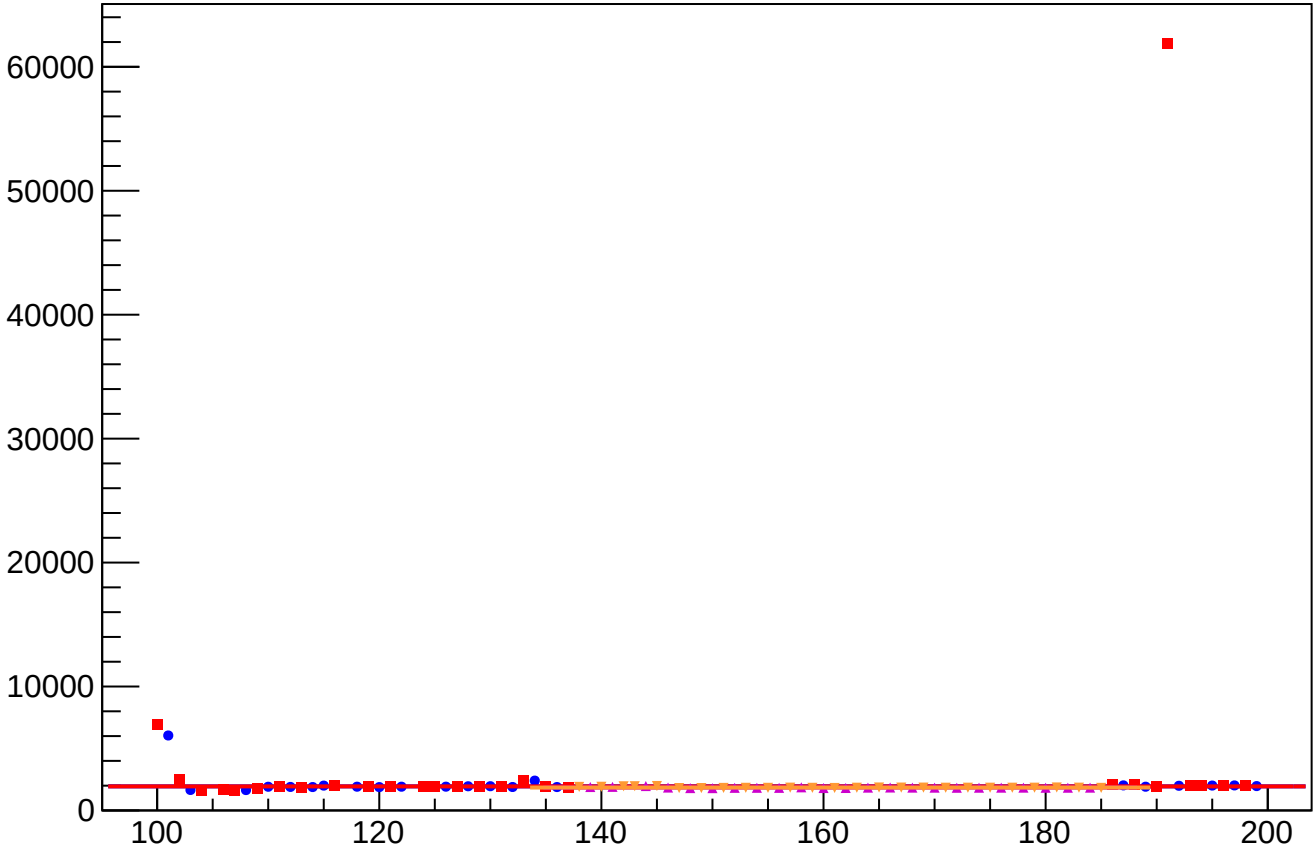
Right: 2521.835+/-401.750 χ^2/NDF: 38.6/48

In: 2878.230+/-346.113 χ^2/NDF:41.5/44

Out: 1914.741+/-335.139 χ^2/NDF:52.6/51

All: 2380.969+/-240.765 χ^2/NDF: 98.1/96

cor_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1944.214+/-0.411 χ^2/NDF: 705766.3/21

Left Out: 1848.522+/-0.297 χ^2/NDF:20886.6/24

Right Out: 1941.939+/-0.393 χ^2/NDF: 394684.1/26

Left In: 1845.061+/-0.305 χ^2/NDF:14026.0/22

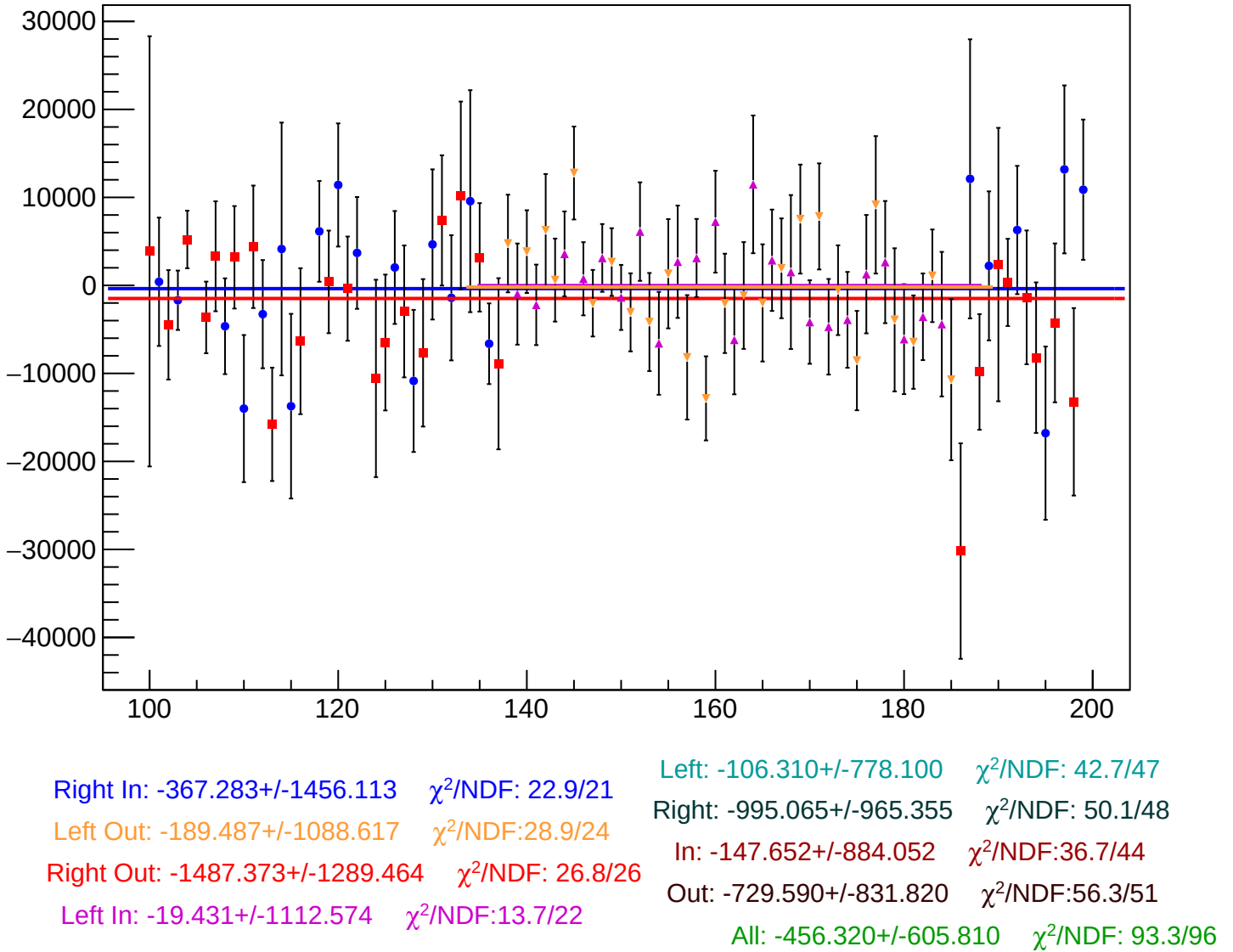
Left: 1846.835+/-0.213 χ^2/NDF: 34978.8/47

Right: 1943.025+/-0.284 χ^2/NDF: 1100466.4/48

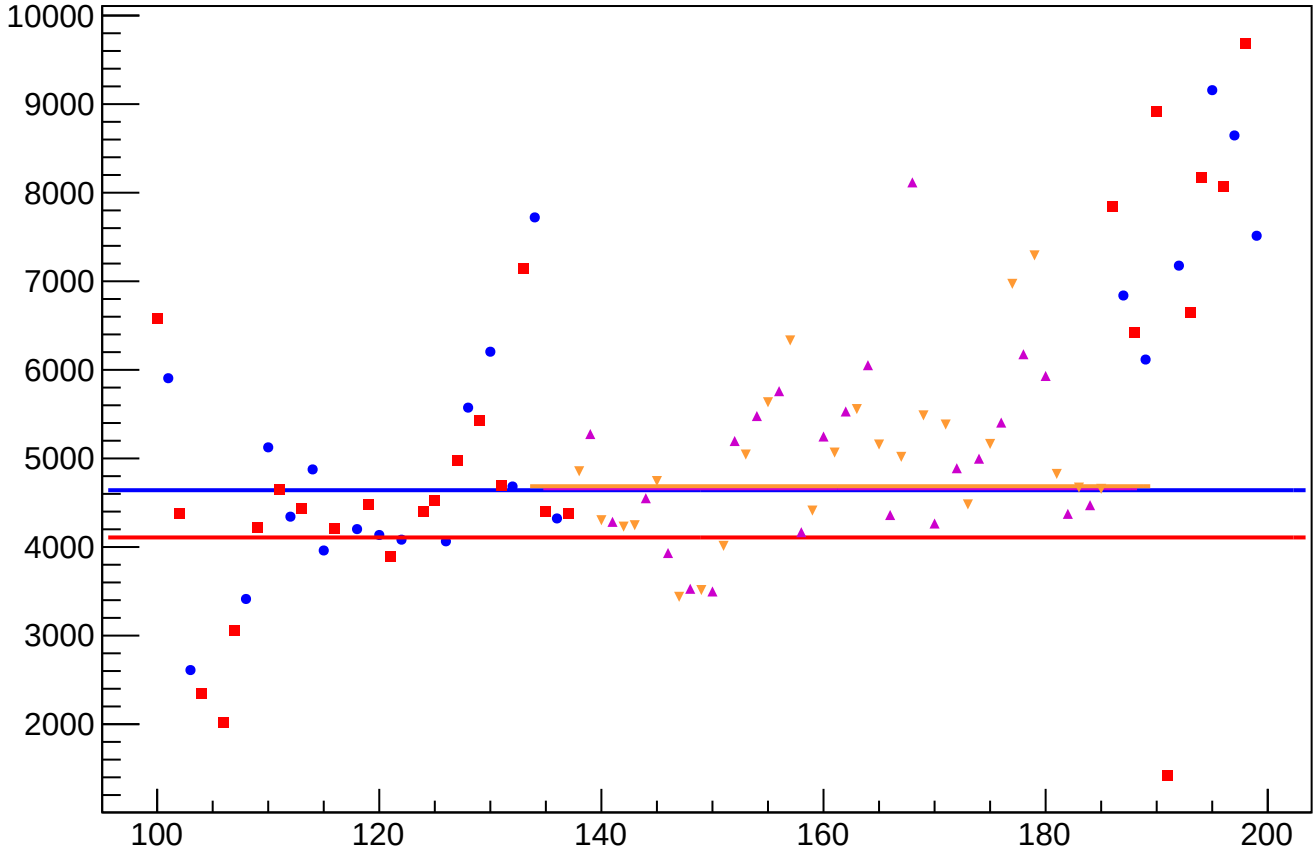
In: 1880.233+/-0.245 χ^2/NDF:757362.8/44

Out: 1882.502+/-0.237 χ^2/NDF:451559.2/51

All: 1881.404+/-0.170 χ^2/NDF: 1208966.4/96


asym_atr_avg_cor_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
Right In: -367.283+/-1456.113 χ²/NDF: 22.9/21
Left Out: -189.487+/-1088.617 χ²/NDF:28.9/24
Right Out: -1487.373+/-1289.464 χ²/NDF: 26.8/26
Left In: -19.431+/-1112.574 χ²/NDF:13.7/22
Left: -106.310+/-778.100 χ²/NDF: 42.7/47
Right: -995.065+/-965.355 χ²/NDF: 50.1/48
In: -147.652+/-884.052 χ²/NDF:36.7/44
Out: -729.590+/-831.820 χ²/NDF:56.3/51
All: -456.320+/-605.810 χ²/NDF: 93.3/96

asym_atr_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 4641.334+/-1.030 χ^2/NDF: 2557838.8/21

Left Out: 4686.346+/-0.770 χ^2/NDF:1185089.0/24

Right Out: 4108.042+/-0.912 χ^2/NDF: 4305430.9/26

Left In: 4663.273+/-0.787 χ^2/NDF:1286722.8/22

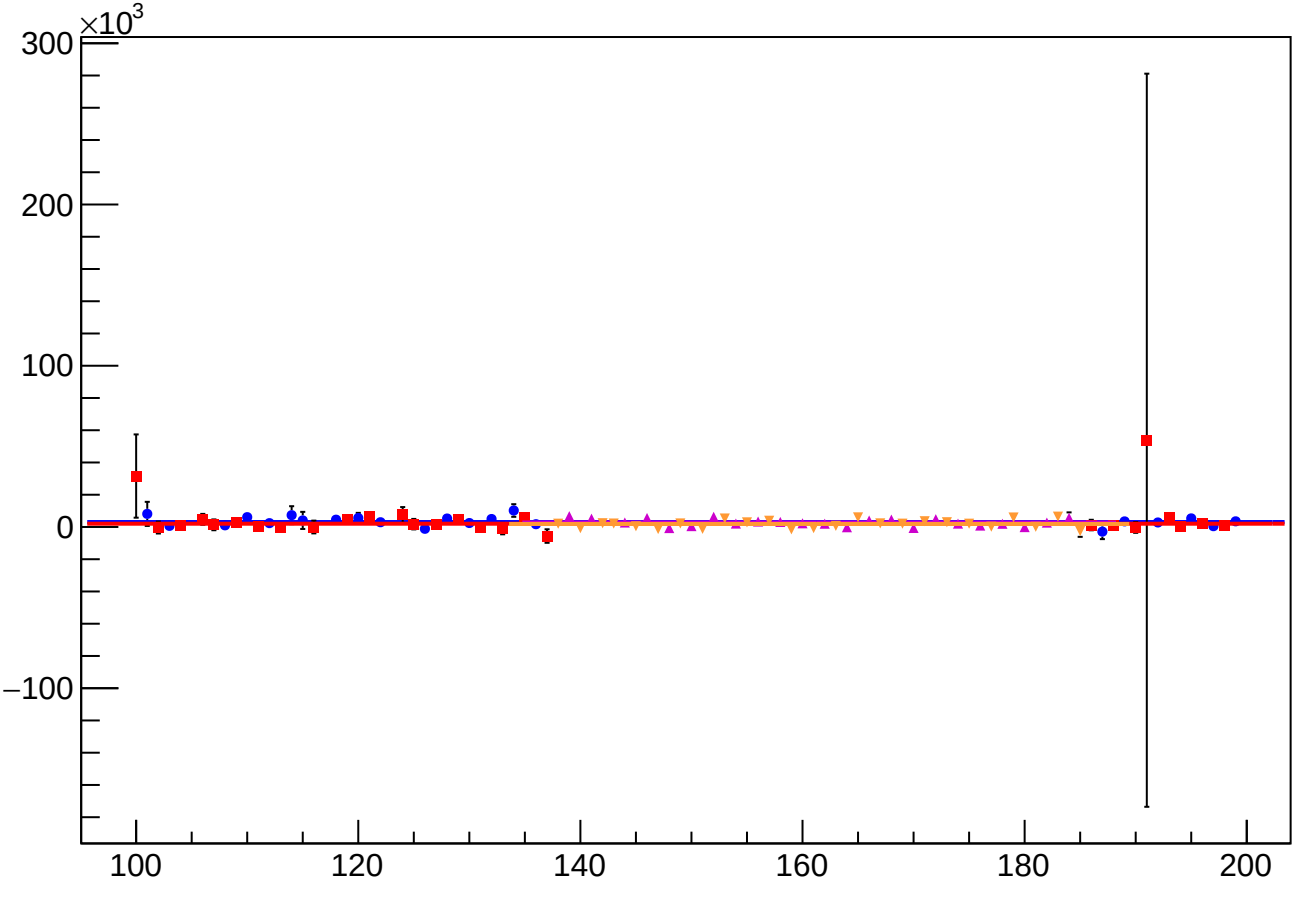
Left: 4675.061+/-0.550 χ^2/NDF: 2472251.2/47

Right: 4342.437+/-0.683 χ^2/NDF: 7013627.7/48

In: 4655.186+/-0.625 χ^2/NDF:3844848.3/44

Out: 4445.689+/-0.588 χ^2/NDF:5725393.0/51

All: 4544.066+/-0.428 χ^2/NDF: 9629813.5/96



Right In: 3064.657+/-581.127 χ^2/NDF: 15.9/21

Left Out: 1851.888+/-420.006 χ^2/NDF:31.5/24

Right Out: 2024.896+/-556.025 χ^2/NDF: 21.0/26

Left In: 2775.745+/-430.870 χ^2/NDF:25.4/22

Left: 2302.023+/-300.757 χ^2/NDF: 59.3/47

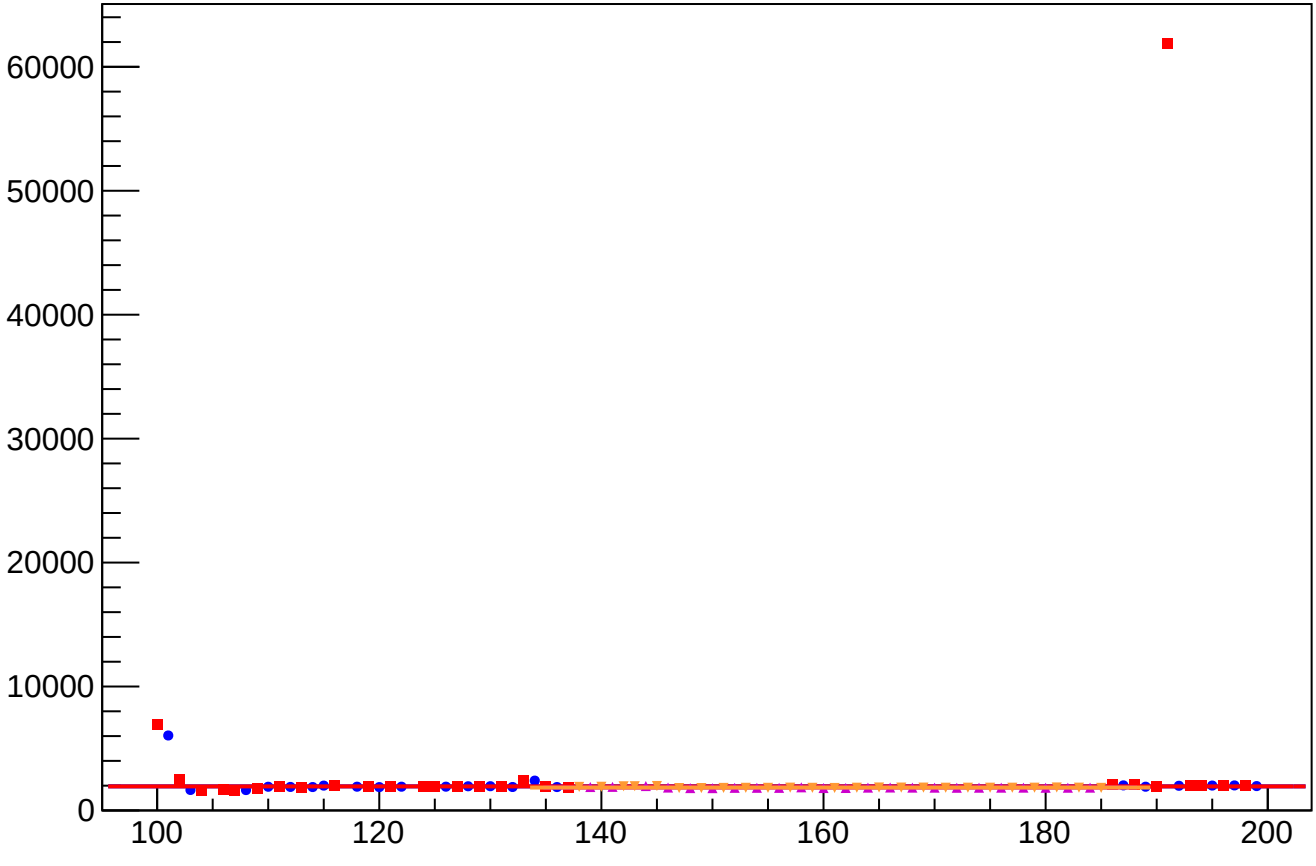
Right: 2521.835+/-401.750 χ^2/NDF: 38.6/48

In: 2878.230+/-346.113 χ^2/NDF:41.5/44

Out: 1914.741+/-335.139 χ^2/NDF:52.6/51

All: 2380.969+/-240.765 χ^2/NDF: 98.1/96

eigen_cor_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1944.214+/-0.411 χ^2/NDF: 705766.3/21

Left Out: 1848.522+/-0.297 χ^2/NDF:20886.6/24

Right Out: 1941.939+/-0.393 χ^2/NDF: 394684.1/26

Left In: 1845.061+/-0.305 χ^2/NDF:14026.0/22

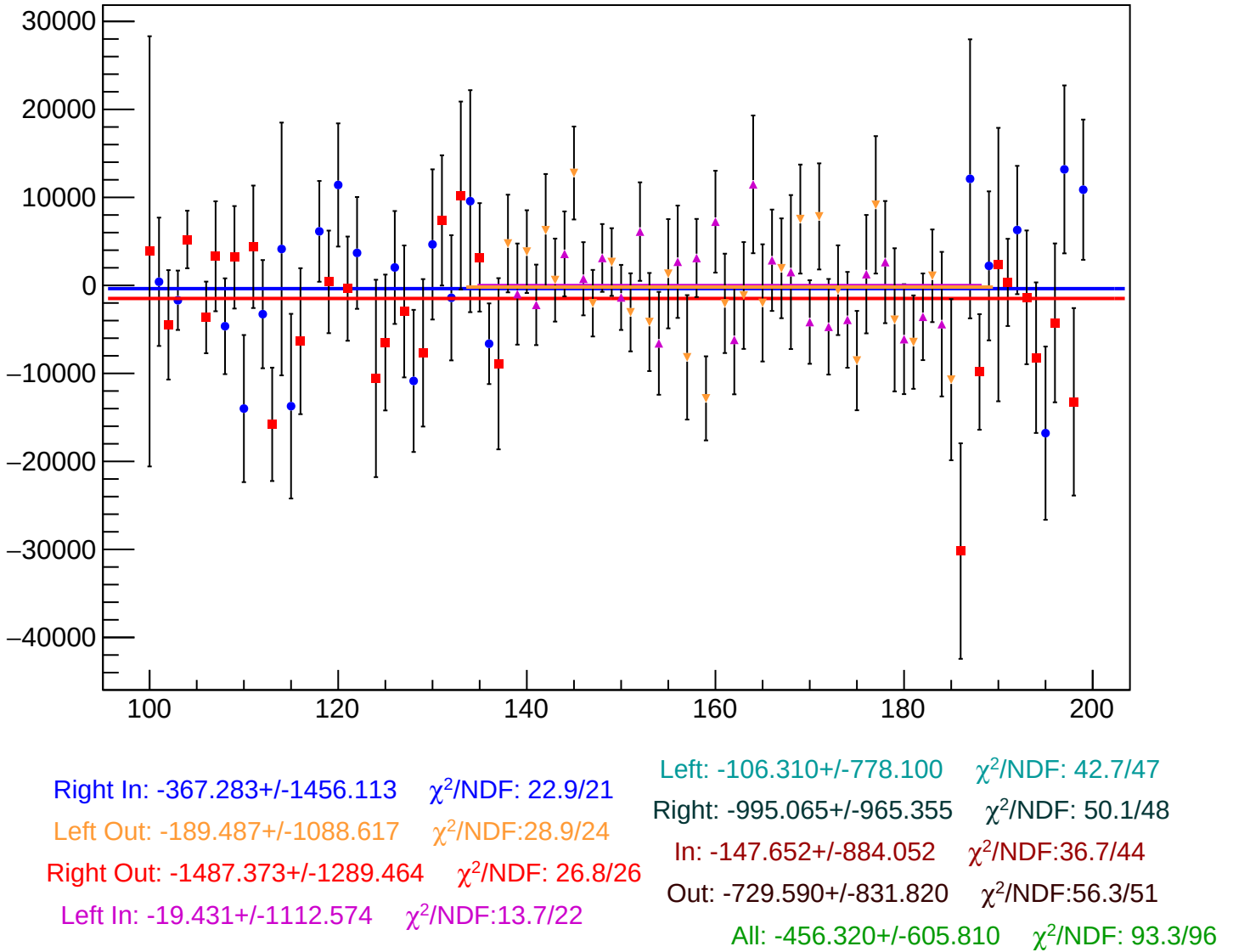
Left: 1846.835+/-0.213 χ^2/NDF: 34978.8/47

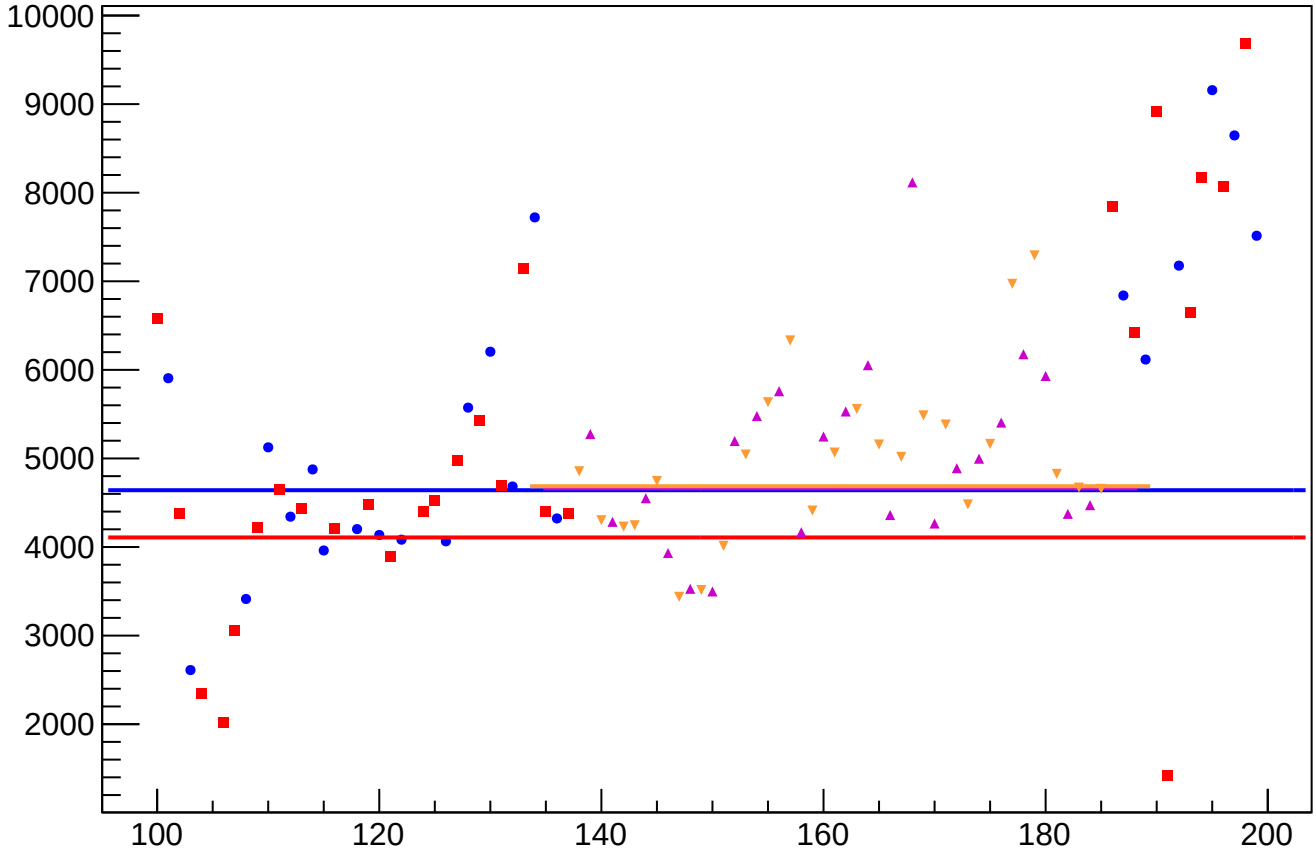
Right: 1943.025+/-0.284 χ^2/NDF: 1100466.4/48

In: 1880.233+/-0.245 χ^2/NDF:757362.8/44

Out: 1882.502+/-0.237 χ^2/NDF:451559.2/51

All: 1881.404+/-0.170 χ^2/NDF: 1208966.4/96


asym_atr_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
Right In: -367.283+/-1456.113 χ²/NDF: 22.9/21
Left Out: -189.487+/-1088.617 χ²/NDF:28.9/24
Right Out: -1487.373+/-1289.464 χ²/NDF: 26.8/26
Left In: -19.431+/-1112.574 χ²/NDF:13.7/22
Left: -106.310+/-778.100 χ²/NDF: 42.7/47
Right: -995.065+/-965.355 χ²/NDF: 50.1/48
In: -147.652+/-884.052 χ²/NDF:36.7/44
Out: -729.590+/-831.820 χ²/NDF:56.3/51
All: -456.320+/-605.810 χ²/NDF: 93.3/96



Right In: 4641.334+/-1.030 χ^2/NDF: 2557838.8/21

Left Out: 4686.346+/-0.770 χ^2/NDF:1185089.0/24

Right Out: 4108.042+/-0.912 χ^2/NDF: 4305430.9/26

Left In: 4663.273+/-0.787 χ^2/NDF:1286722.8/22

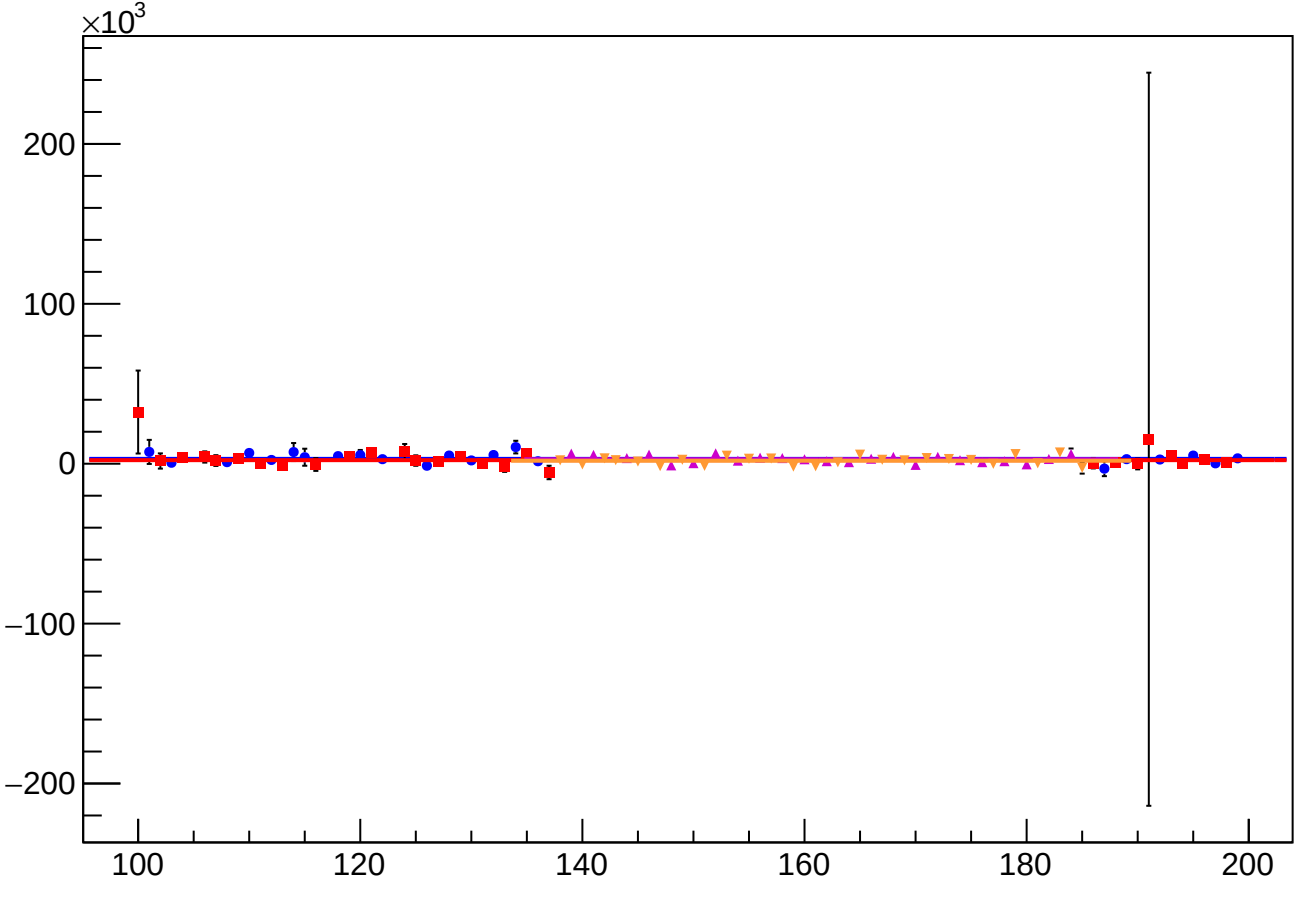
Left: 4675.061+/-0.550 χ^2/NDF: 2472251.2/47

Right: 4342.437+/-0.683 χ^2/NDF: 7013627.7/48

In: 4655.186+/-0.625 χ^2/NDF:3844848.3/44

Out: 4445.689+/-0.588 χ^2/NDF:5725393.0/51

All: 4544.066+/-0.428 χ^2/NDF: 9629813.5/96



Right In: 3028.457+/-595.430 χ^2/NDF: 16.4/21

Left Out: 1880.927+/-428.980 χ^2/NDF:32.9/24

Right Out: 2230.541+/-570.450 χ^2/NDF: 21.5/26

Left In: 2798.435+/-439.234 χ^2/NDF:25.4/22

Left: 2328.846+/-306.896 χ^2/NDF: 60.6/47

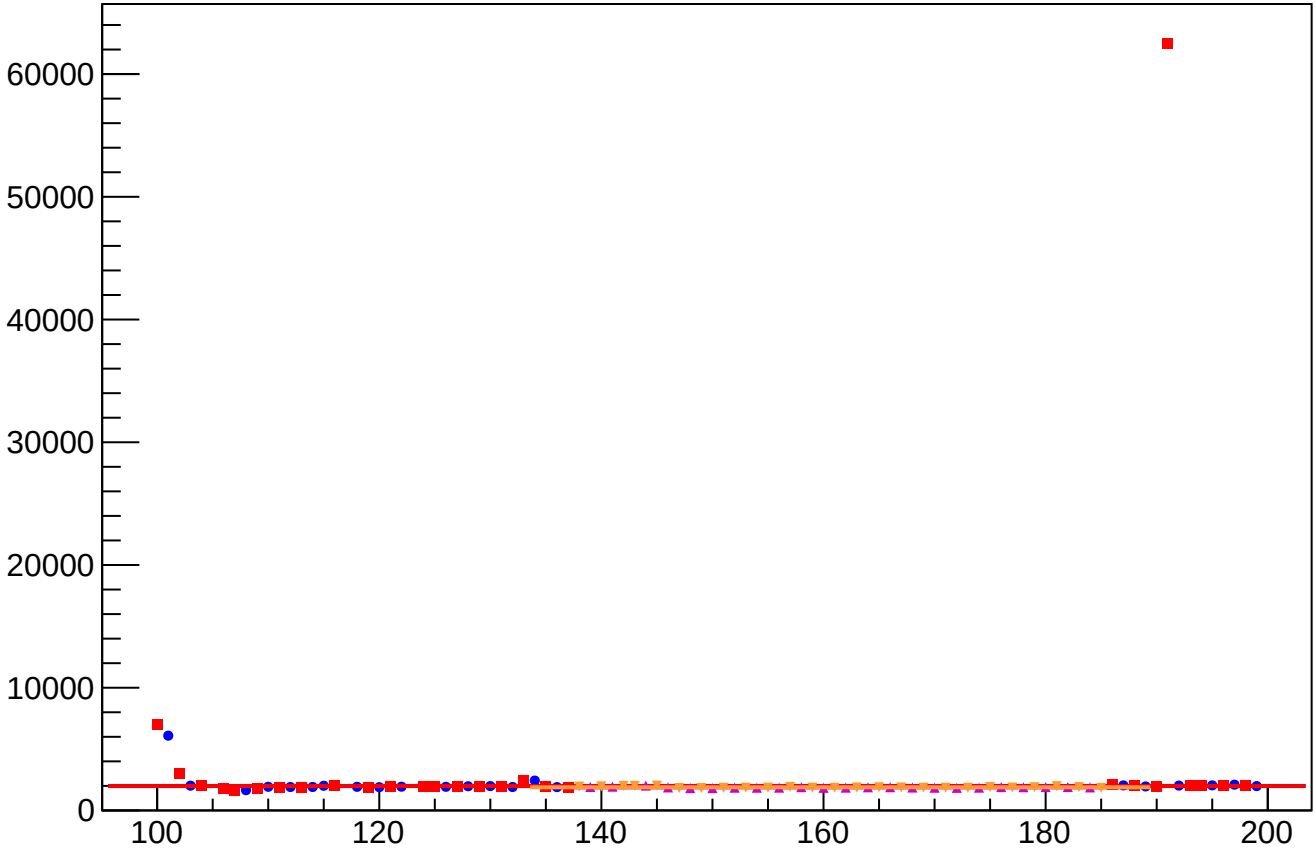
Right: 2612.411+/-411.917 χ^2/NDF: 38.8/48

In: 2879.495+/-353.467 χ^2/NDF:41.9/44

Out: 2007.218+/-342.854 χ^2/NDF:54.7/51

All: 2430.065+/-246.101 χ^2/NDF: 99.7/96

dit_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1993.232+/-0.421 χ^2/NDF: 673215.0/21

Left Out: 1887.545+/-0.303 χ^2/NDF:31955.7/24

Right Out: 1987.290+/-0.403 χ^2/NDF: 417058.4/26

Left In: 1880.575+/-0.311 χ^2/NDF:19037.6/22

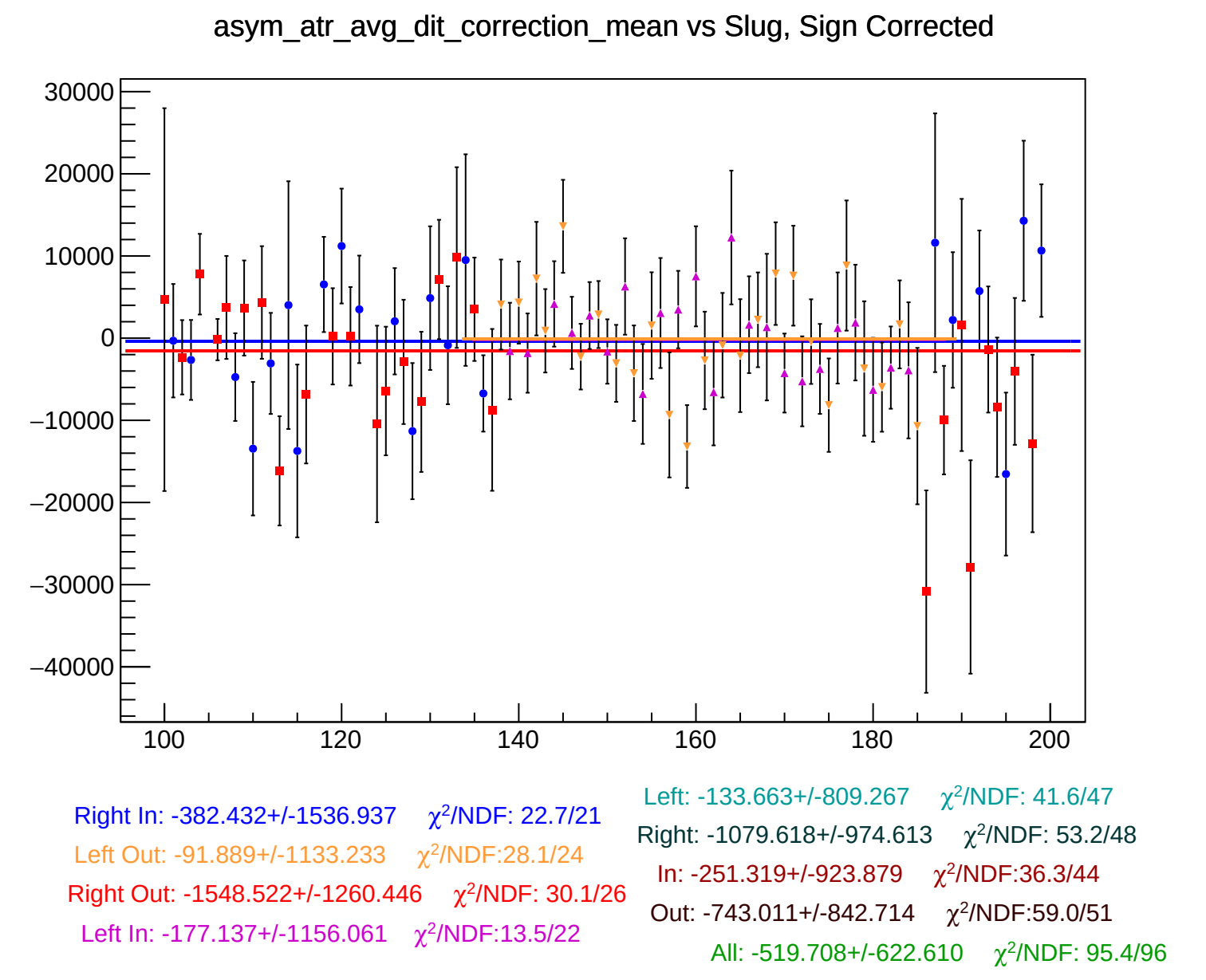
Left: 1884.142+/-0.217 χ^2/NDF: 51251.1/47

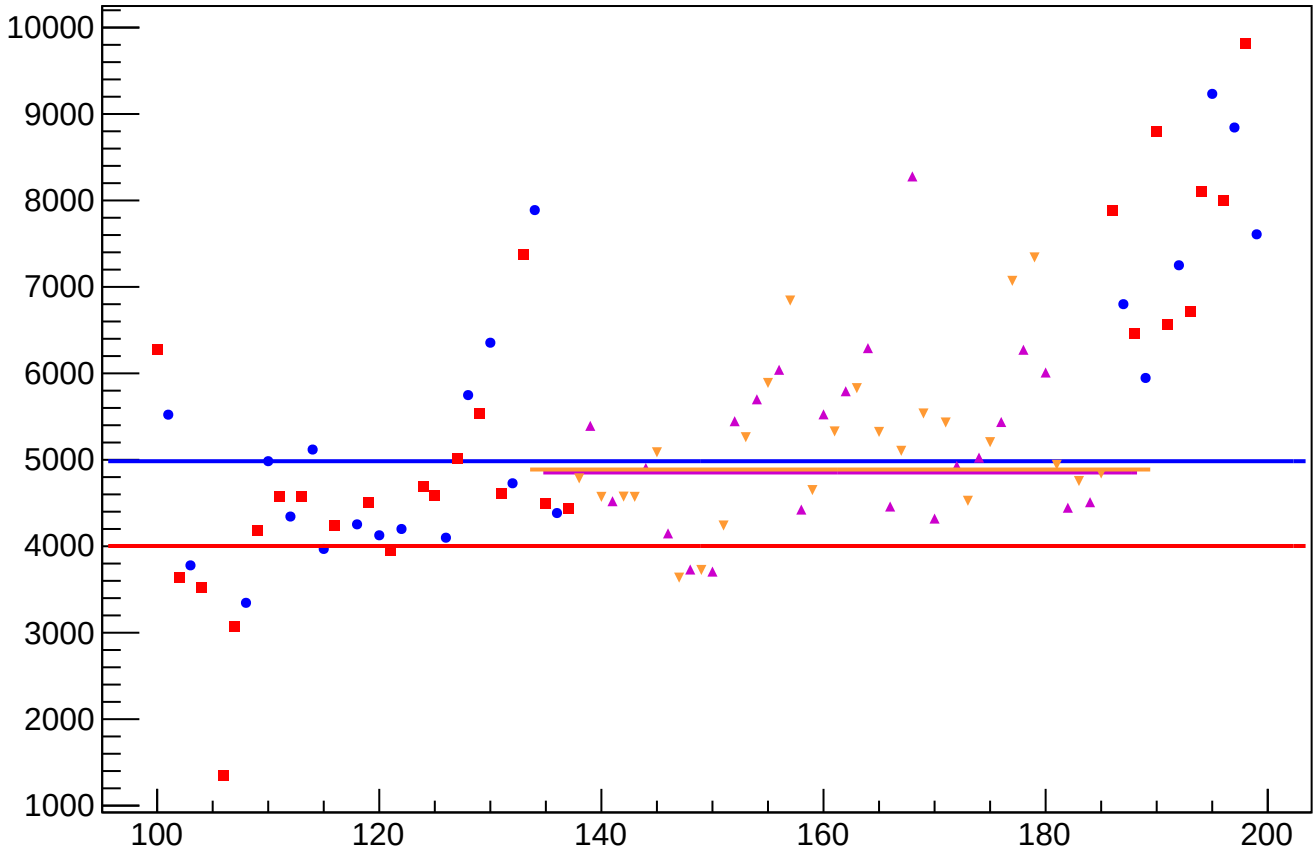
Right: 1990.132+/-0.291 χ^2/NDF: 1090377.3/48

In: 1920.275+/-0.250 χ^2/NDF:738617.8/44

Out: 1923.600+/-0.242 χ^2/NDF:488099.6/51

All: 1921.989+/-0.174 χ^2/NDF: 1226808.5/96


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: -382.432+/-1536.937 χ²/NDF: 22.7/21
Left Out: -91.889+/-1133.233 χ²/NDF:28.1/24
Right Out: -1548.522+/-1260.446 χ²/NDF: 30.1/26
Left In: -177.137+/-1156.061 χ²/NDF:13.5/22
Left: -133.663+/-809.267 χ²/NDF: 41.6/47
Right: -1079.618+/-974.613 χ²/NDF: 53.2/48
In: -251.319+/-923.879 χ²/NDF:36.3/44
Out: -743.011+/-842.714 χ²/NDF:59.0/51
All: -519.708+/-622.610 χ²/NDF: 95.4/96



Right In: 4983.945+/-1.087 χ^2/NDF: 1831019.3/21

Left Out: 4887.823+/-0.801 χ^2/NDF:1063298.6/24

Right Out: 4003.176+/-0.891 χ^2/NDF: 5154798.6/26

Left In: 4853.363+/-0.817 χ^2/NDF:1178636.9/22

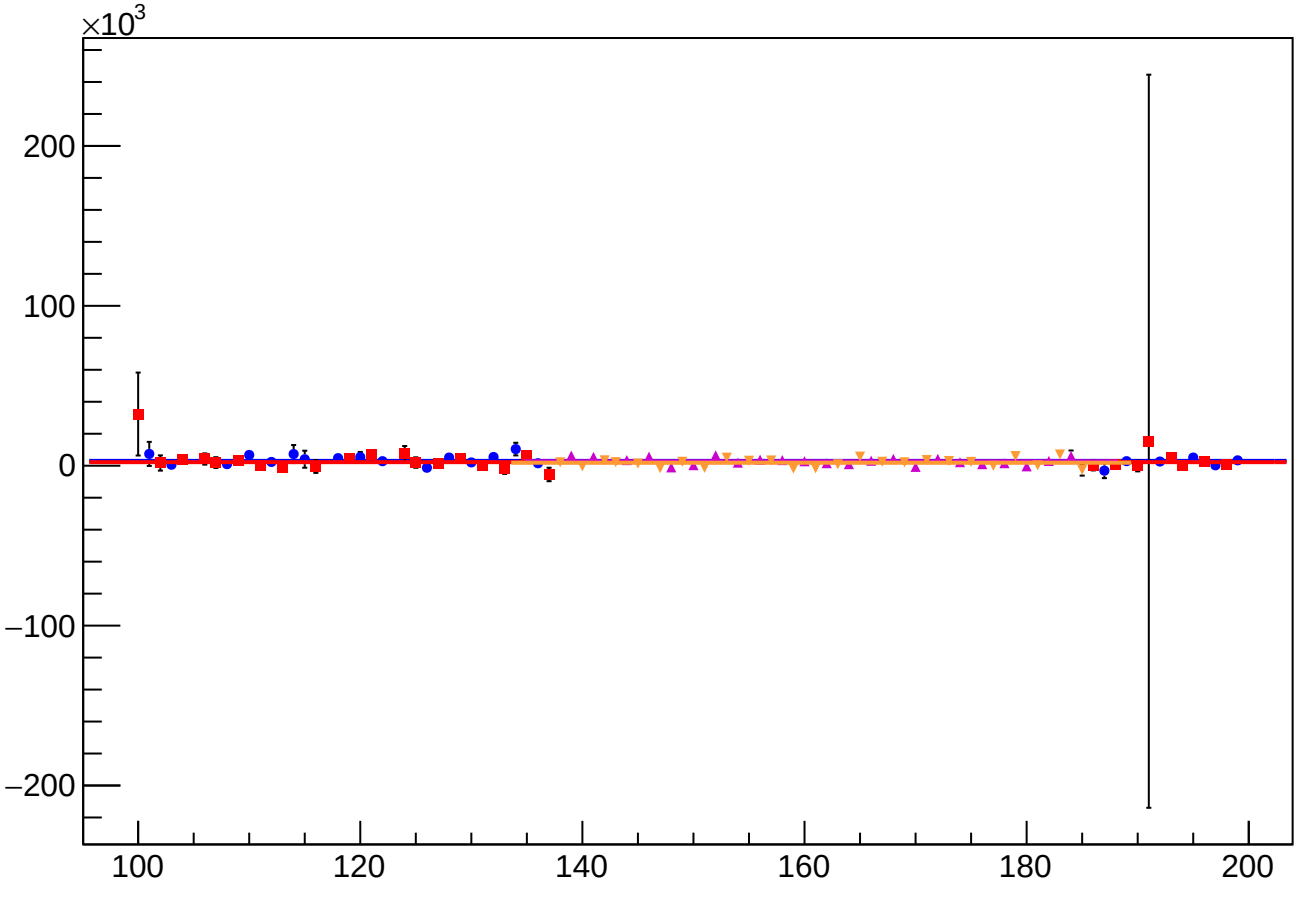
Left: 4870.937+/-0.572 χ^2/NDF: 2242841.7/47

Right: 4397.560+/-0.689 χ^2/NDF: 7472749.1/48

In: 4900.548+/-0.653 χ^2/NDF:3018876.7/44

Out: 4492.382+/-0.596 χ^2/NDF:6762904.7/51

All: 4677.751+/-0.440 χ^2/NDF: 9994862.7/96



Right In: 3028.460+/-595.430 χ^2/NDF: 16.4/21

Left Out: 1880.922+/-428.981 χ^2/NDF:32.9/24

Right Out: 2230.542+/-570.450 χ^2/NDF: 21.5/26

Left In: 2798.435+/-439.234 χ^2/NDF:25.4/22

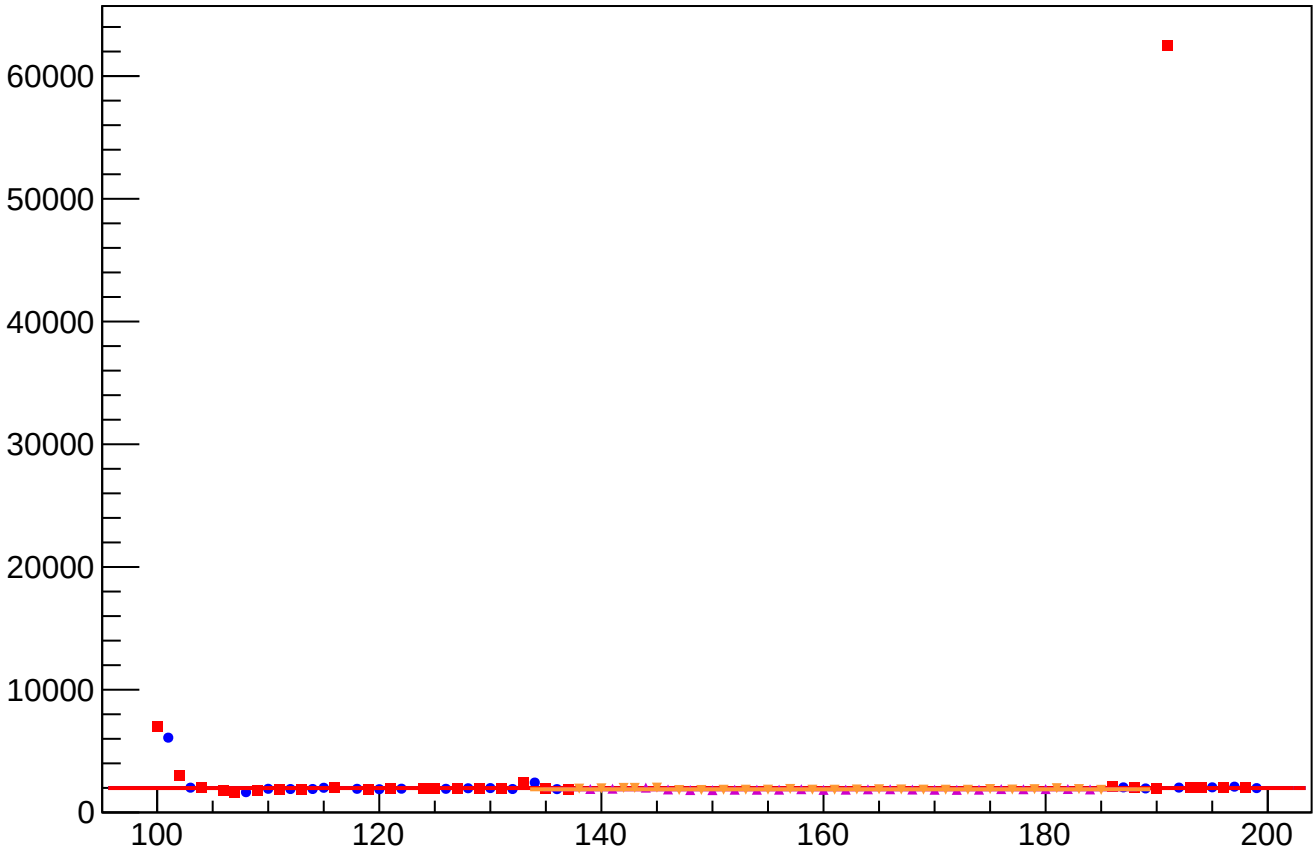
Left: 2328.844+/-306.896 χ^2/NDF: 60.6/47

Right: 2612.413+/-411.917 χ^2/NDF: 38.8/48

In: 2879.496+/-353.467 χ^2/NDF:41.9/44

Out: 2007.215+/-342.854 χ^2/NDF:54.7/51

All: 2430.064+/-246.101 χ^2/NDF: 99.7/96



Right In: 1993.232+/-0.421 χ^2/NDF: 673215.1/21

Left Out: 1887.546+/-0.303 χ^2/NDF:31955.8/24

Right Out: 1987.290+/-0.403 χ^2/NDF: 417058.0/26

Left In: 1880.576+/-0.311 χ^2/NDF:19037.6/22

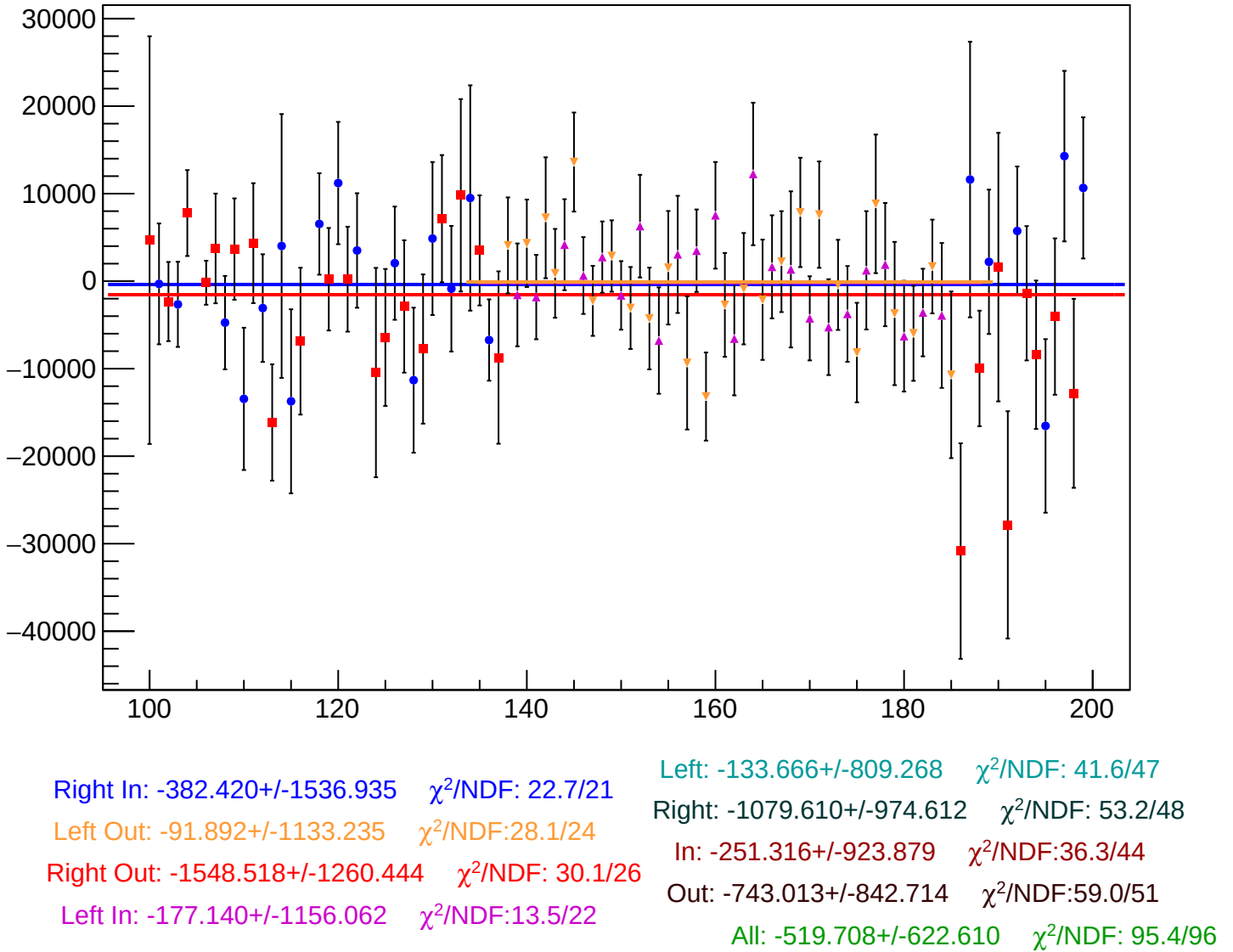
Left: 1884.143+/-0.217 χ^2/NDF: 51251.1/47

Right: 1990.132+/-0.291 χ^2/NDF: 1090377.0/48

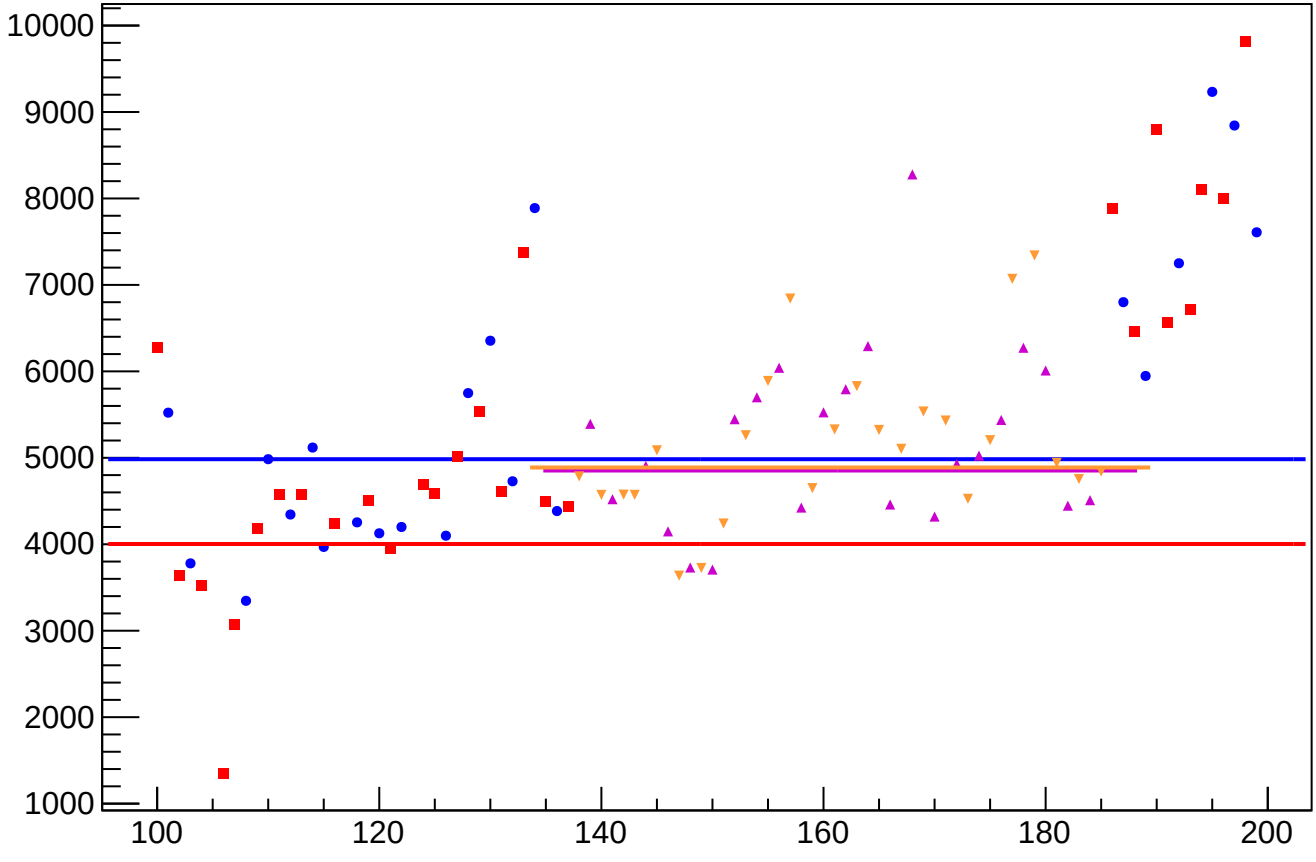
In: 1920.276+/-0.250 χ^2/NDF:738617.0/44

Out: 1923.601+/-0.242 χ^2/NDF:488098.5/51

All: 1921.989+/-0.174 χ^2/NDF: 1226806.7/96


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: -382.420+/-1536.935 χ²/NDF: 22.7/21
Left Out: -91.892+/-1133.235 χ²/NDF:28.1/24
Right Out: -1548.518+/-1260.444 χ²/NDF: 30.1/26
Left In: -177.140+/-1156.062 χ²/NDF:13.5/22
Left: -133.666+/-809.268 χ²/NDF: 41.6/47
Right: -1079.610+/-974.612 χ²/NDF: 53.2/48
In: -251.316+/-923.879 χ²/NDF:36.3/44
Out: -743.013+/-842.714 χ²/NDF:59.0/51
All: -519.708+/-622.610 χ²/NDF: 95.4/96

asym_atr_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 4983.938+/-1.087 χ^2/NDF: 1831028.5/21

Left Out: 4887.830+/-0.801 χ^2/NDF:1063300.0/24

Right Out: 4003.167+/-0.891 χ^2/NDF: 5154817.9/26

Left In: 4853.371+/-0.817 χ^2/NDF:1178639.4/22

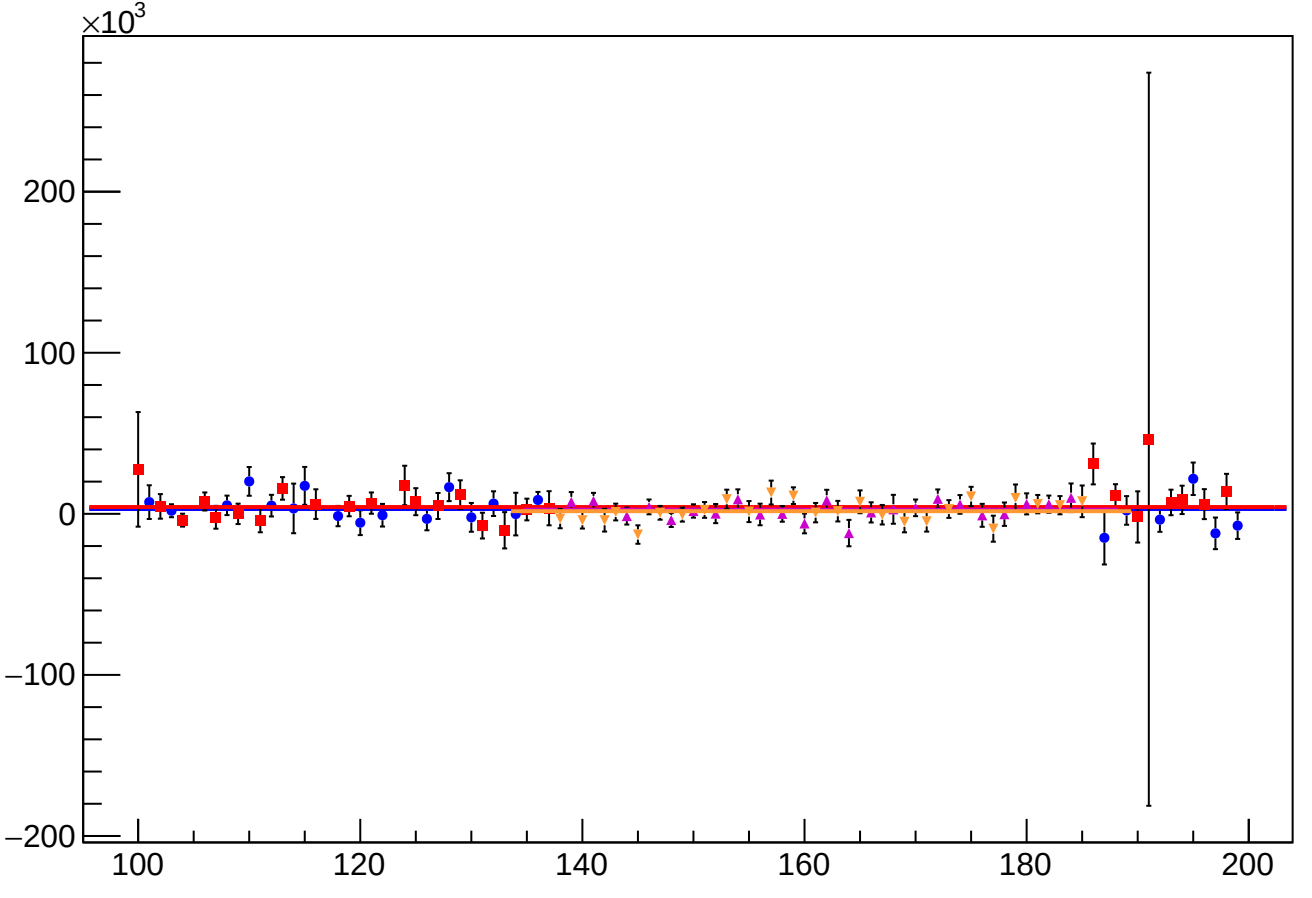
Left: 4870.944+/-0.572 χ^2/NDF: 2242845.7/47

Right: 4397.551+/-0.689 χ^2/NDF: 7472781.3/48

In: 4900.550+/-0.653 χ^2/NDF:3018886.4/44

Out: 4492.380+/-0.596 χ^2/NDF:6762946.4/51

All: 4677.752+/-0.440 χ^2/NDF: 9994917.9/96



Right In: 3023.522+/-1614.523 χ^2/NDF: 22.0/21

Left Out: 1654.615+/-1178.652 χ^2/NDF:26.0/24

Right Out: 4203.321+/-1511.552 χ^2/NDF: 23.1/26

Left In: 2563.603+/-1204.450 χ^2/NDF:16.0/22

Left: 2099.270+/-842.406 χ^2/NDF: 42.2/47

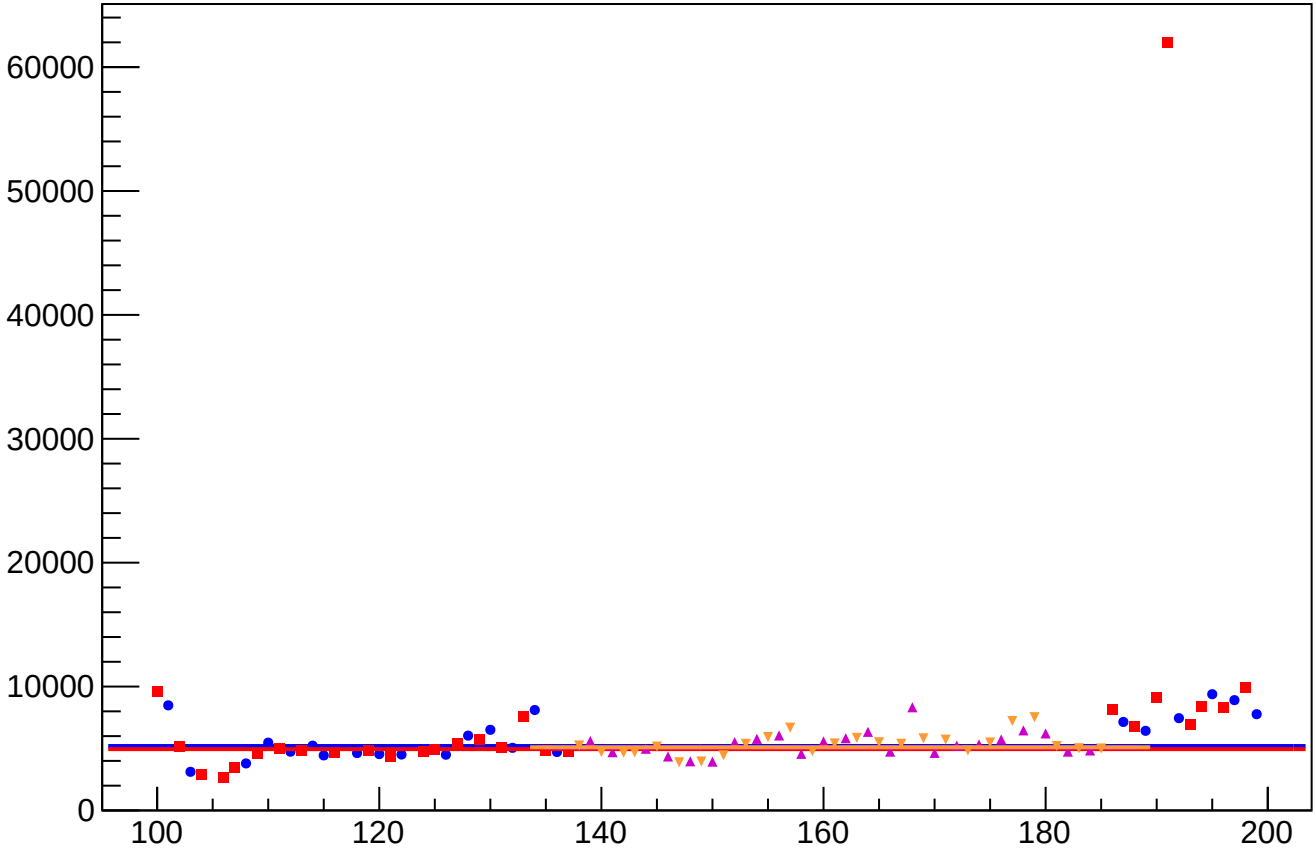
Right: 3652.241+/-1103.437 χ^2/NDF: 45.4/48

In: 2728.045+/-965.406 χ^2/NDF:38.0/44

Out: 2618.335+/-929.477 χ^2/NDF:50.9/51

All: 2671.111+/-669.581 χ^2/NDF: 88.9/96

asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 5199.809+/-1.142 χ^2/NDF: 2171593.6/21

Left Out: 5100.641+/-0.833 χ^2/NDF:909330.5/24

Right Out: 4950.316+/-1.061 χ^2/NDF: 2861175.0/26

Left In: 5073.543+/-0.852 χ^2/NDF:991915.5/22

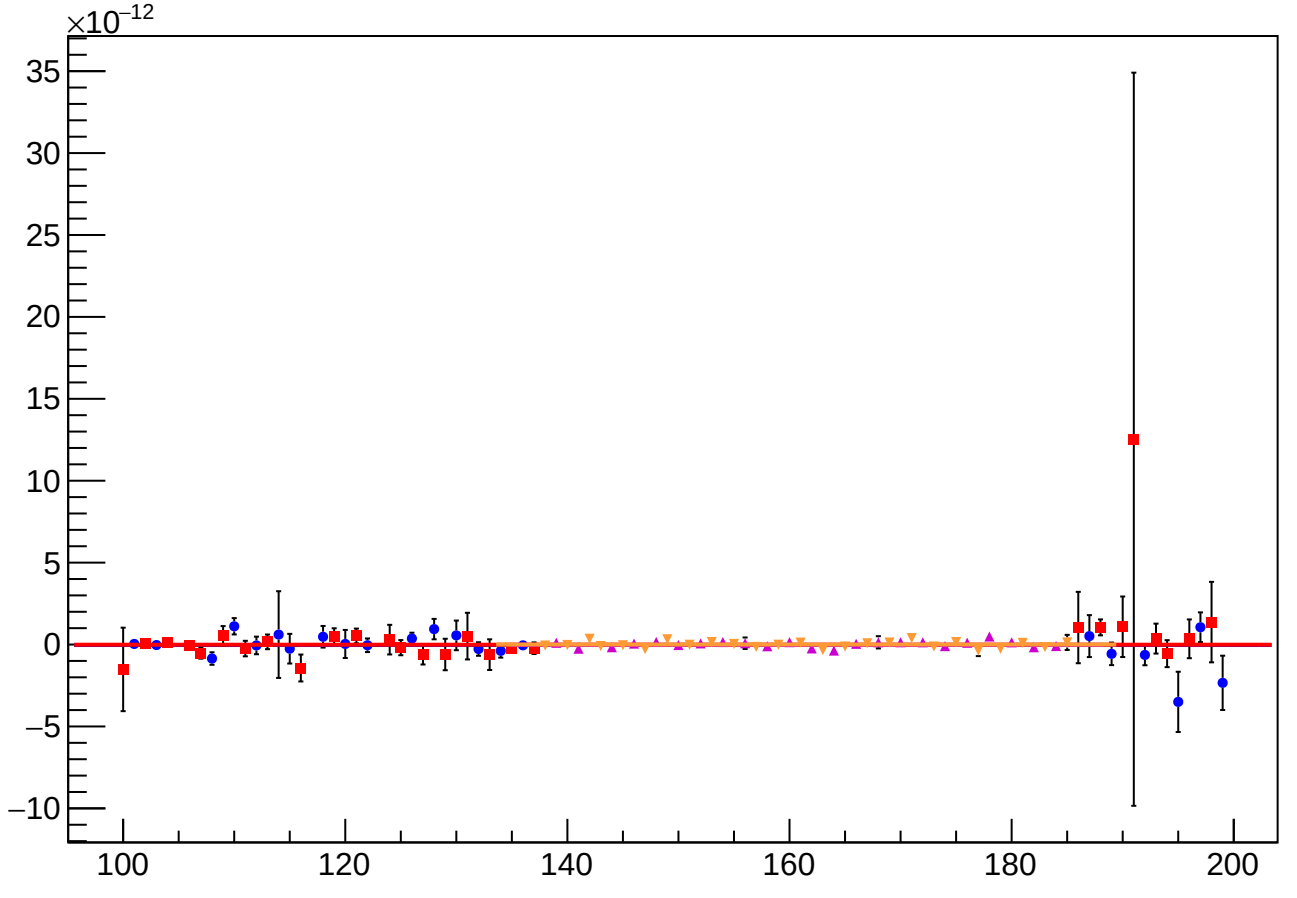
Left: 5087.385+/-0.596 χ^2/NDF: 1901763.2/47

Right: 5065.969+/-0.777 χ^2/NDF: 5058388.9/48

In: 5118.689+/-0.683 χ^2/NDF:3171367.9/44

Out: 5043.296+/-0.655 χ^2/NDF:3782916.0/51

All: 5079.461+/-0.473 χ^2/NDF: 6960630.3/96



Right In: -0.000+/-0.000 χ^2/NDF: 24.6/21

Left Out: 0.000+/-0.000 χ^2/NDF:33.3/24

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

Left In: -0.000+/-0.000 χ^2/NDF:32.4/22

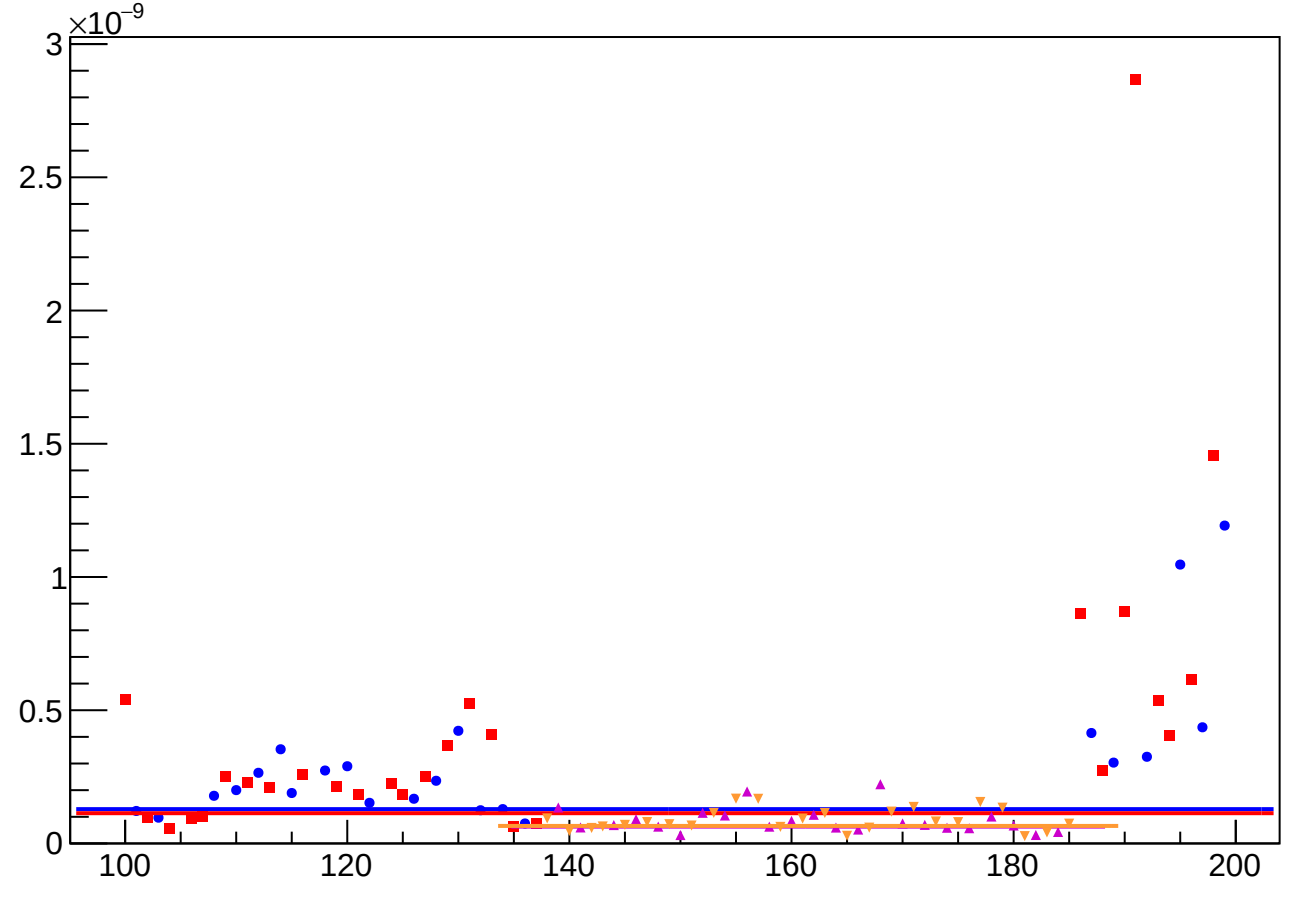
Left: -0.000+/-0.000 χ^2/NDF: 65.9/47

Right: -0.000+/-0.000 χ^2/NDF: 46.4/48

In: -0.000+/-0.000 χ^2/NDF:57.0/44

Out: -0.000+/-0.000 χ^2/NDF:55.1/51

All: -0.000+/-0.000 χ^2/NDF: 112.4/96



Right In: 0.000+/-0.000 χ^2/NDF: 3122472.7/21

Left Out: 0.000+/-0.000 χ^2/NDF:2472657.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4369465.2/26

Left In: 0.000+/-0.000 χ^2/NDF:2196878.1/22

Left: 0.000+/-0.000 χ^2/NDF: 4678116.7/47

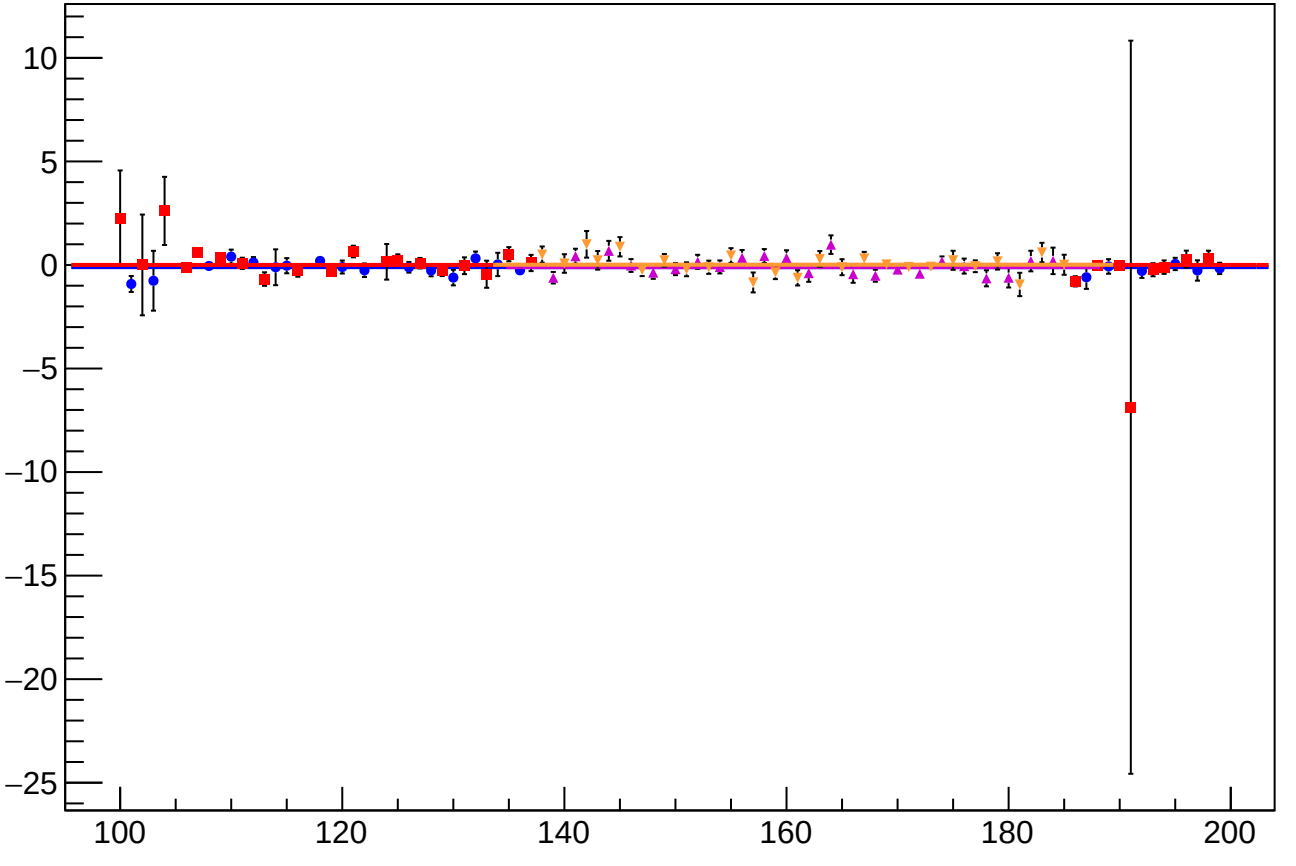
Right: 0.000+/-0.000 χ^2/NDF: 7536165.4/48

In: 0.000+/-0.000 χ^2/NDF:6703057.7/44

Out: 0.000+/-0.000 χ^2/NDF:7628179.2/51

All: 0.000+/-0.000 χ^2/NDF: 14332239.6/96

asym_atr_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.104+/-0.068 χ^2/NDF: 15.4/21

Left Out: 0.012+/-0.068 χ^2/NDF:25.2/24

Right Out: 0.002+/-0.055 χ^2/NDF: 42.0/26

Left In: -0.105+/-0.069 χ^2/NDF:31.4/22

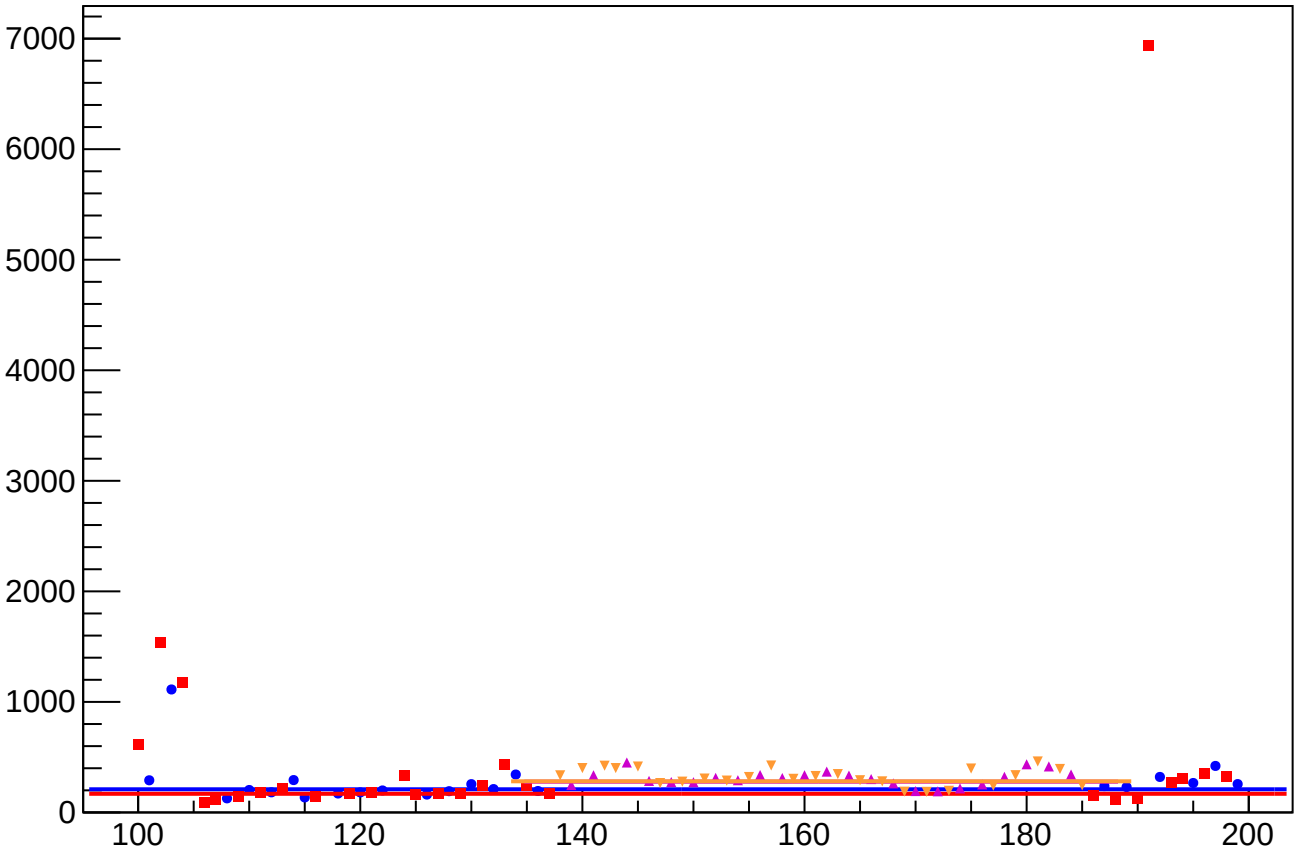
Left: -0.046+/-0.048 χ^2/NDF: 58.1/47

Right: -0.040+/-0.043 χ^2/NDF: 58.9/48

In: -0.105+/-0.048 χ^2/NDF:46.9/44

Out: 0.006+/-0.043 χ^2/NDF:67.2/51

All: -0.043+/-0.032 χ^2/NDF: 117.0/96



Right In: 209.616+/-0.048 χ^2/NDF: 2336895.7/21

Left Out: 281.818+/-0.048 χ^2/NDF:2520824.2/24

Right Out: 168.745+/-0.039 χ^2/NDF: 4639379.3/26

Left In: 278.409+/-0.049 χ^2/NDF:1799690.4/22

Left: 280.127+/-0.034 χ^2/NDF: 4323003.2/47

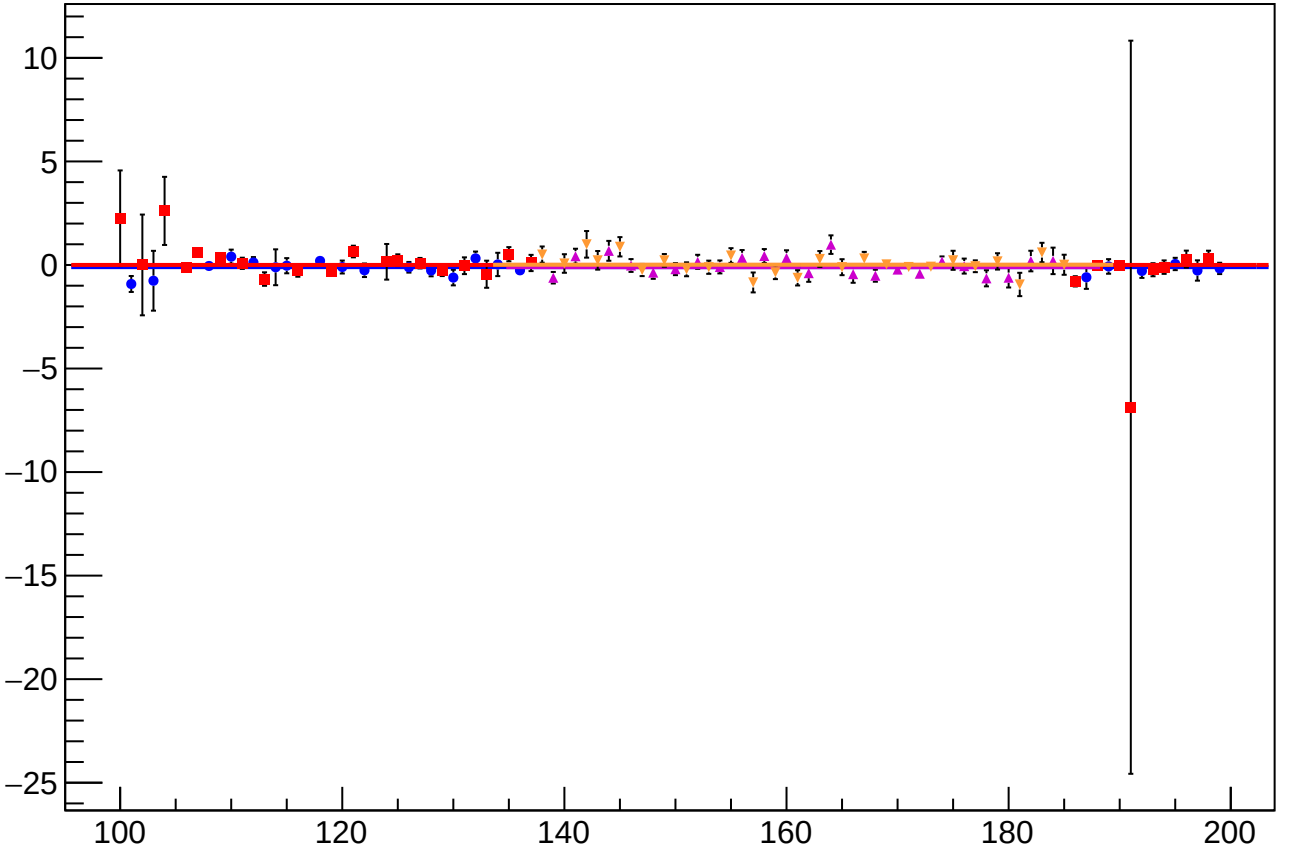
Right: 185.106+/-0.030 χ^2/NDF: 7414260.9/48

In: 243.527+/-0.034 χ^2/NDF:5156515.3/44

Out: 213.679+/-0.030 χ^2/NDF:10488116.3/51

All: 226.882+/-0.023 χ^2/NDF: 16072993.5/96

asym_atr_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.104+/-0.068 χ^2/NDF: 15.4/21

Left Out: 0.012+/-0.068 χ^2/NDF:25.2/24

Right Out: 0.002+/-0.055 χ^2/NDF: 42.0/26

Left In: -0.105+/-0.069 χ^2/NDF:31.4/22

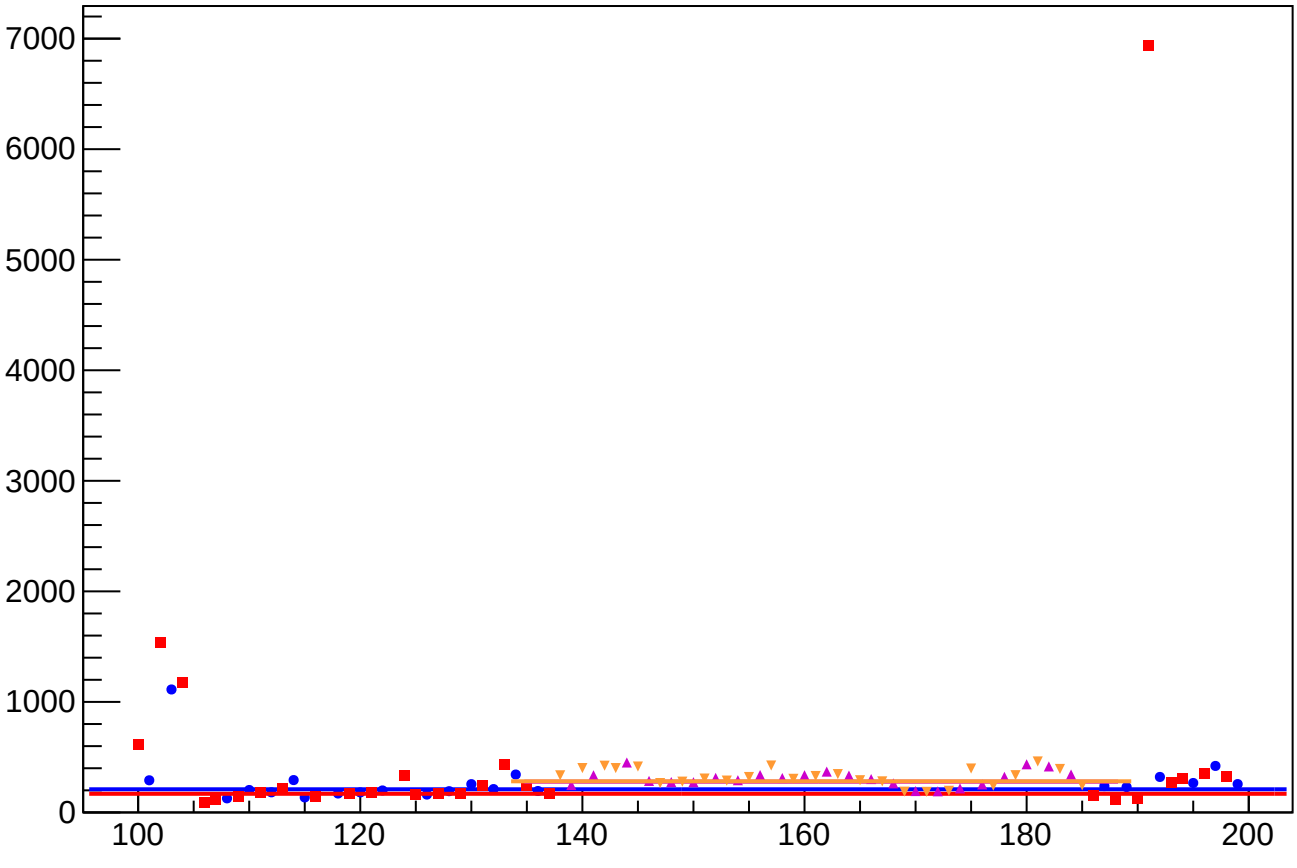
Left: -0.046+/-0.048 χ^2/NDF: 58.1/47

Right: -0.040+/-0.043 χ^2/NDF: 58.9/48

In: -0.105+/-0.048 χ^2/NDF:46.9/44

Out: 0.006+/-0.043 χ^2/NDF:67.2/51

All: -0.043+/-0.032 χ^2/NDF: 117.0/96



Right In: 209.616+/-0.048 χ^2/NDF: 2336895.7/21

Left Out: 281.818+/-0.048 χ^2/NDF:2520824.2/24

Right Out: 168.745+/-0.039 χ^2/NDF: 4639379.3/26

Left In: 278.409+/-0.049 χ^2/NDF:1799690.4/22

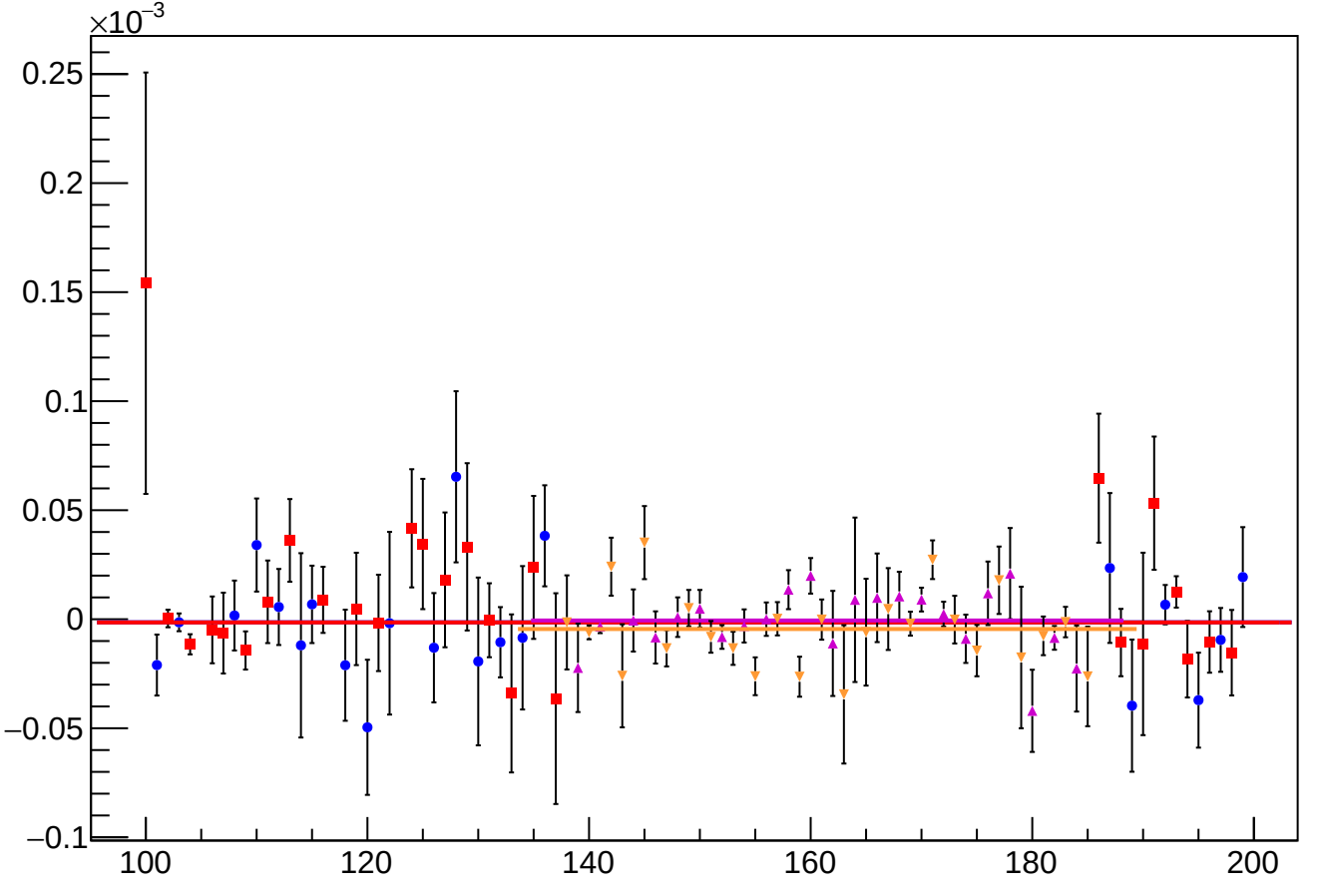
Left: 280.127+/-0.034 χ^2/NDF: 4323003.2/47

Right: 185.106+/-0.030 χ^2/NDF: 7414260.9/48

In: 243.527+/-0.034 χ^2/NDF:5156515.3/44

Out: 213.679+/-0.030 χ^2/NDF:10488116.3/51

All: 226.882+/-0.023 χ^2/NDF: 16072993.5/96



Right In: -0.000+/-0.000 χ^2/NDF: 21.6/21

Left Out: -0.000+/-0.000 χ^2/NDF:46.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 35.9/26

Left In: -0.000+/-0.000 χ^2/NDF:29.1/22

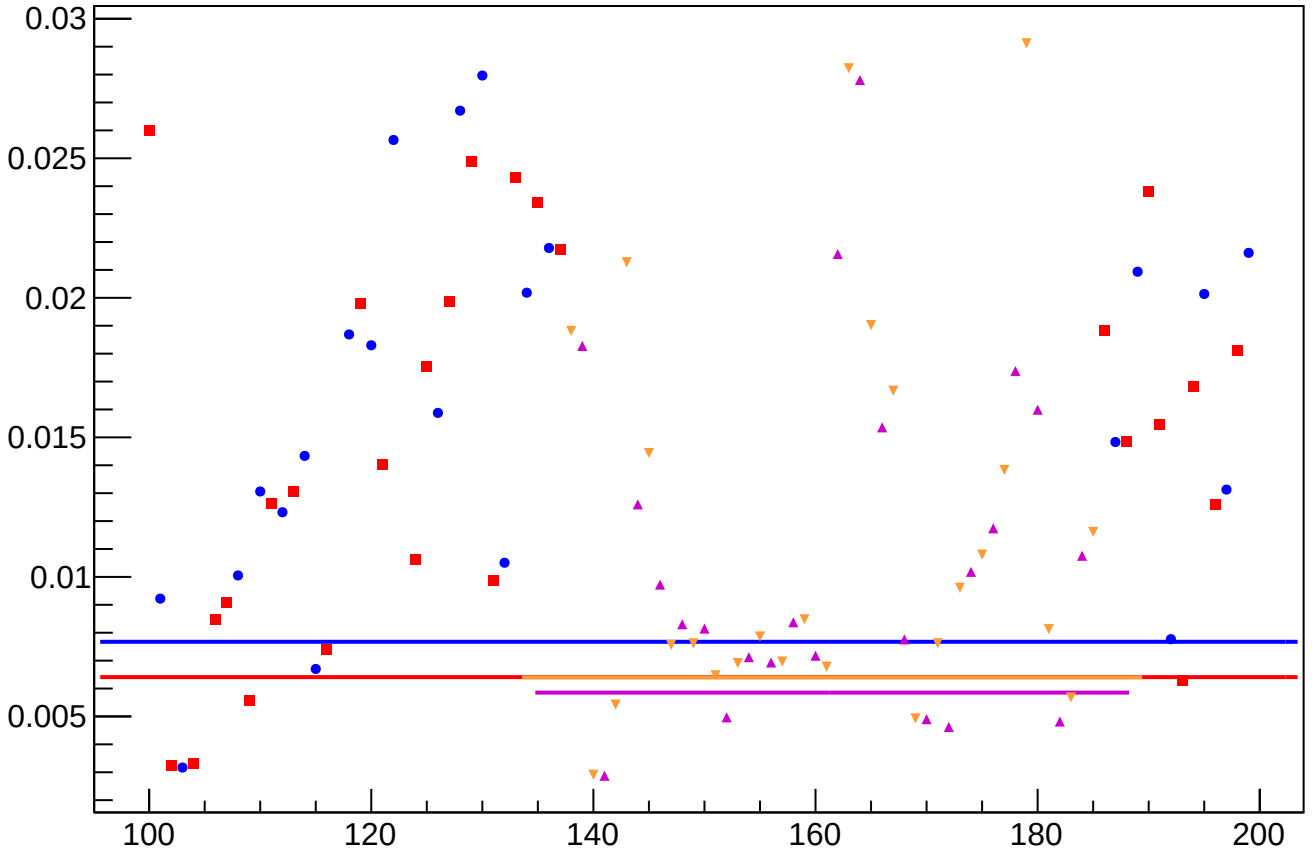
Left: -0.000+/-0.000 χ^2/NDF: 78.2/47

Right: -0.000+/-0.000 χ^2/NDF: 57.4/48

In: -0.000+/-0.000 χ^2/NDF:50.7/44

Out: -0.000+/-0.000 χ^2/NDF:83.3/51

All: -0.000+/-0.000 χ^2/NDF: 135.8/96



Right In: 0.008+/-0.000 χ^2/NDF: 8291005.0/21

Left Out: 0.006+/-0.000 χ^2/NDF:8964265.3/24

Right Out: 0.006+/-0.000 χ^2/NDF: 9311048.5/26

Left In: 0.006+/-0.000 χ^2/NDF:8144305.6/22

Left: 0.006+/-0.000 χ^2/NDF: 17214563.0/47

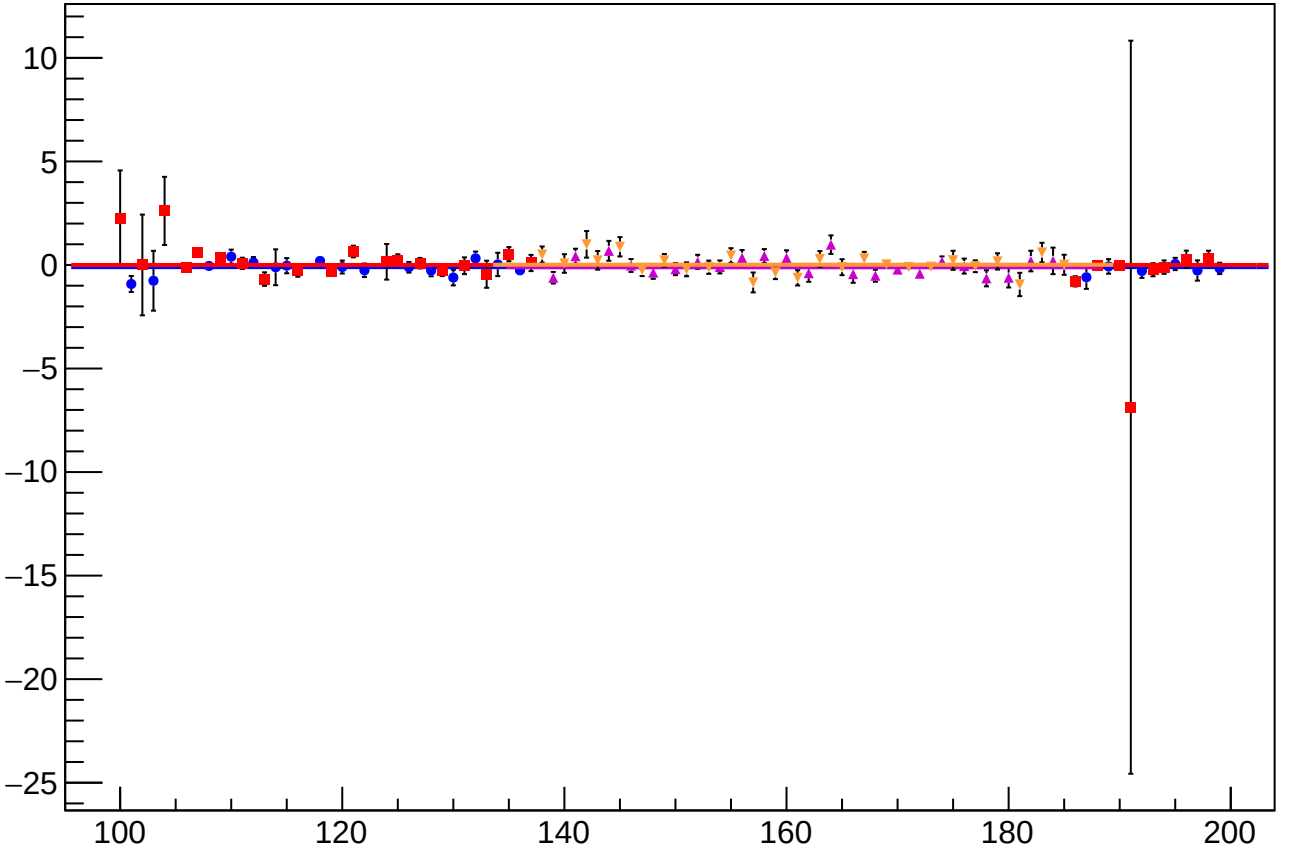
Right: 0.007+/-0.000 χ^2/NDF: 17830096.6/48

In: 0.006+/-0.000 χ^2/NDF:17014400.0/44

Out: 0.006+/-0.000 χ^2/NDF:18275331.5/51

All: 0.006+/-0.000 χ^2/NDF: 35297539.8/96

asym_atr_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.104+/-0.068 χ^2/NDF: 15.4/21

Left Out: 0.012+/-0.068 χ^2/NDF:25.2/24

Right Out: 0.002+/-0.055 χ^2/NDF: 42.0/26

Left In: -0.105+/-0.069 χ^2/NDF:31.4/22

Left: -0.046+/-0.048 χ^2/NDF: 58.1/47

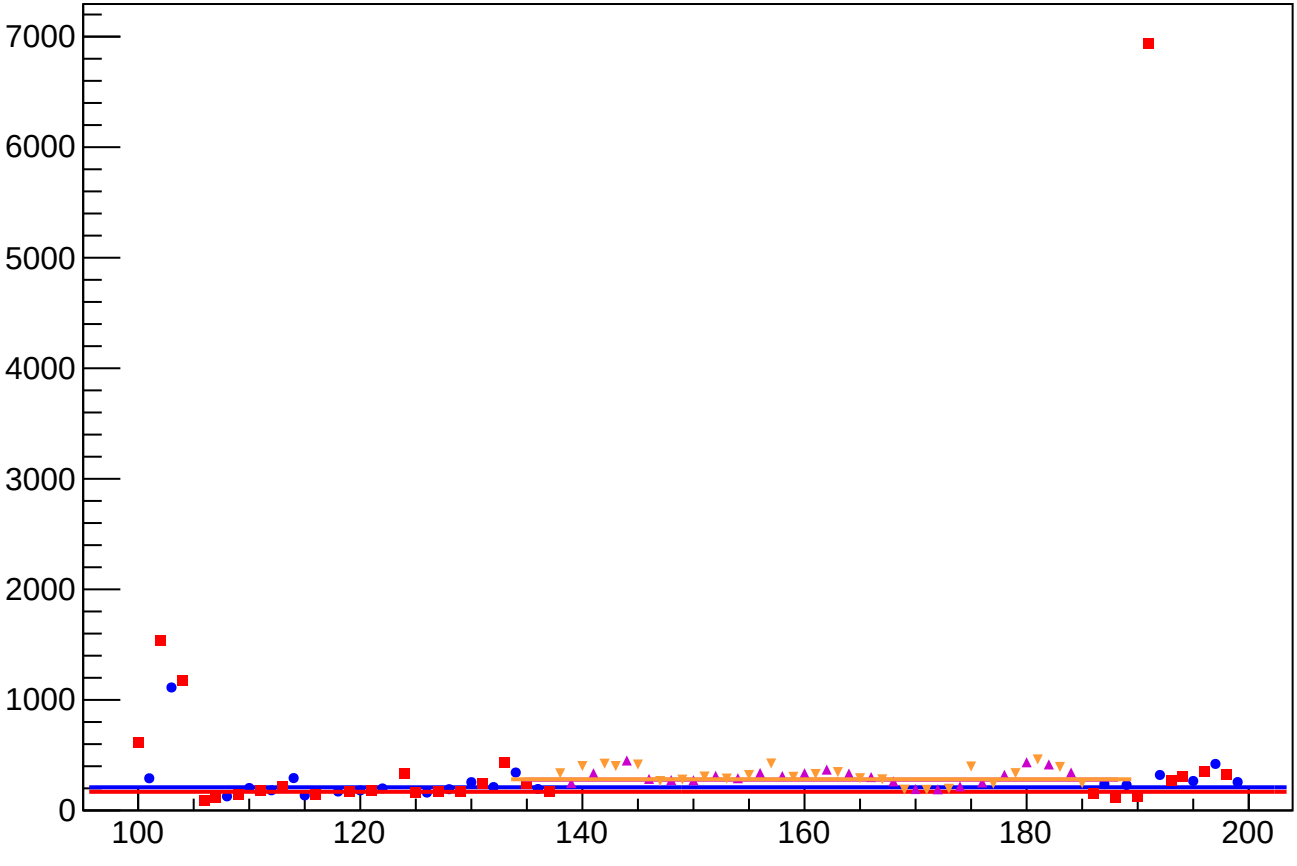
Right: -0.040+/-0.043 χ^2/NDF: 58.9/48

In: -0.105+/-0.048 χ^2/NDF:46.9/44

Out: 0.006+/-0.043 χ^2/NDF:67.2/51

All: -0.043+/-0.032 χ^2/NDF: 117.0/96

asym_atr_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 209.616+/-0.048 χ^2/NDF: 2336895.6/21

Left Out: 281.820+/-0.048 χ^2/NDF:2520889.0/24

Right Out: 168.742+/-0.039 χ^2/NDF: 4639484.7/26

Left In: 278.412+/-0.049 χ^2/NDF:1799730.1/22

Left: 280.130+/-0.034 χ^2/NDF: 4323107.7/47

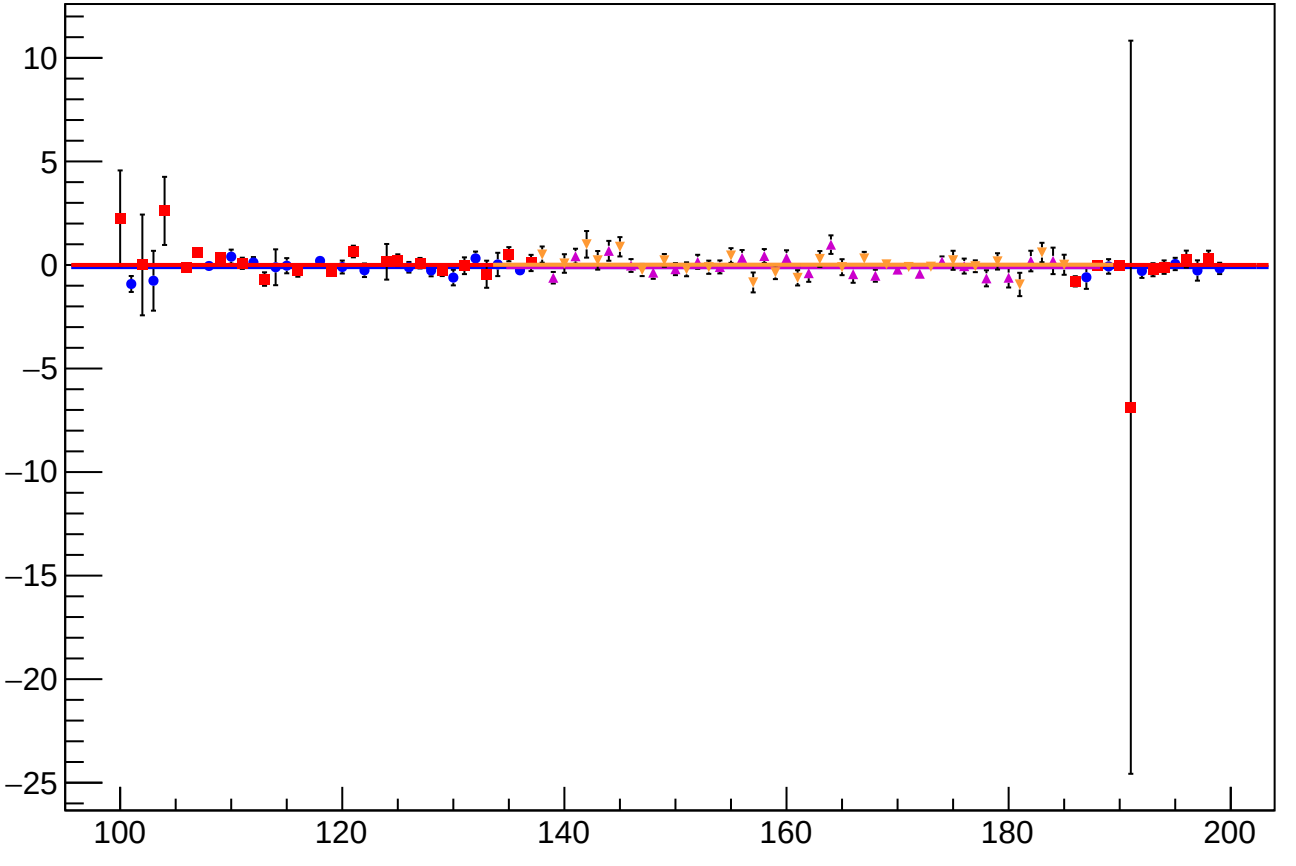
Right: 185.103+/-0.030 χ^2/NDF: 7414436.9/48

In: 243.528+/-0.034 χ^2/NDF:5156629.5/44

Out: 213.677+/-0.030 χ^2/NDF:10488631.6/51

All: 226.881+/-0.023 χ^2/NDF: 16073709.2/96

asym_atr_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.104+/-0.068 χ^2/NDF: 15.4/21

Left Out: 0.012+/-0.068 χ^2/NDF:25.2/24

Right Out: 0.002+/-0.055 χ^2/NDF: 42.0/26

Left In: -0.105+/-0.069 χ^2/NDF:31.4/22

Left: -0.046+/-0.048 χ^2/NDF: 58.1/47

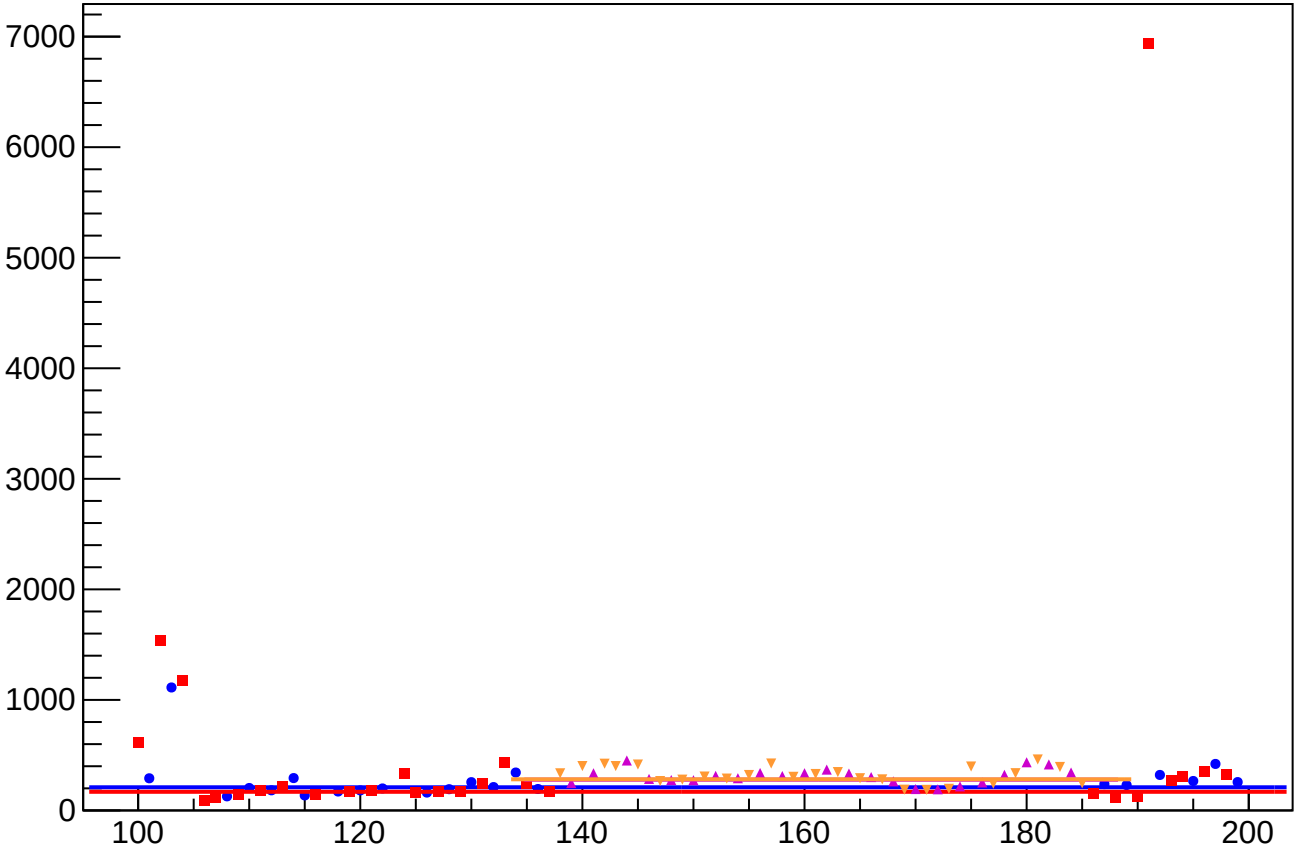
Right: -0.040+/-0.043 χ^2/NDF: 58.9/48

In: -0.105+/-0.048 χ^2/NDF:46.9/44

Out: 0.006+/-0.043 χ^2/NDF:67.2/51

All: -0.043+/-0.032 χ^2/NDF: 117.0/96

asym_atr_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 209.616+/-0.048 χ^2/NDF: 2336895.6/21

Left Out: 281.820+/-0.048 χ^2/NDF:2520889.0/24

Right Out: 168.742+/-0.039 χ^2/NDF: 4639484.7/26

Left In: 278.412+/-0.049 χ^2/NDF:1799730.1/22

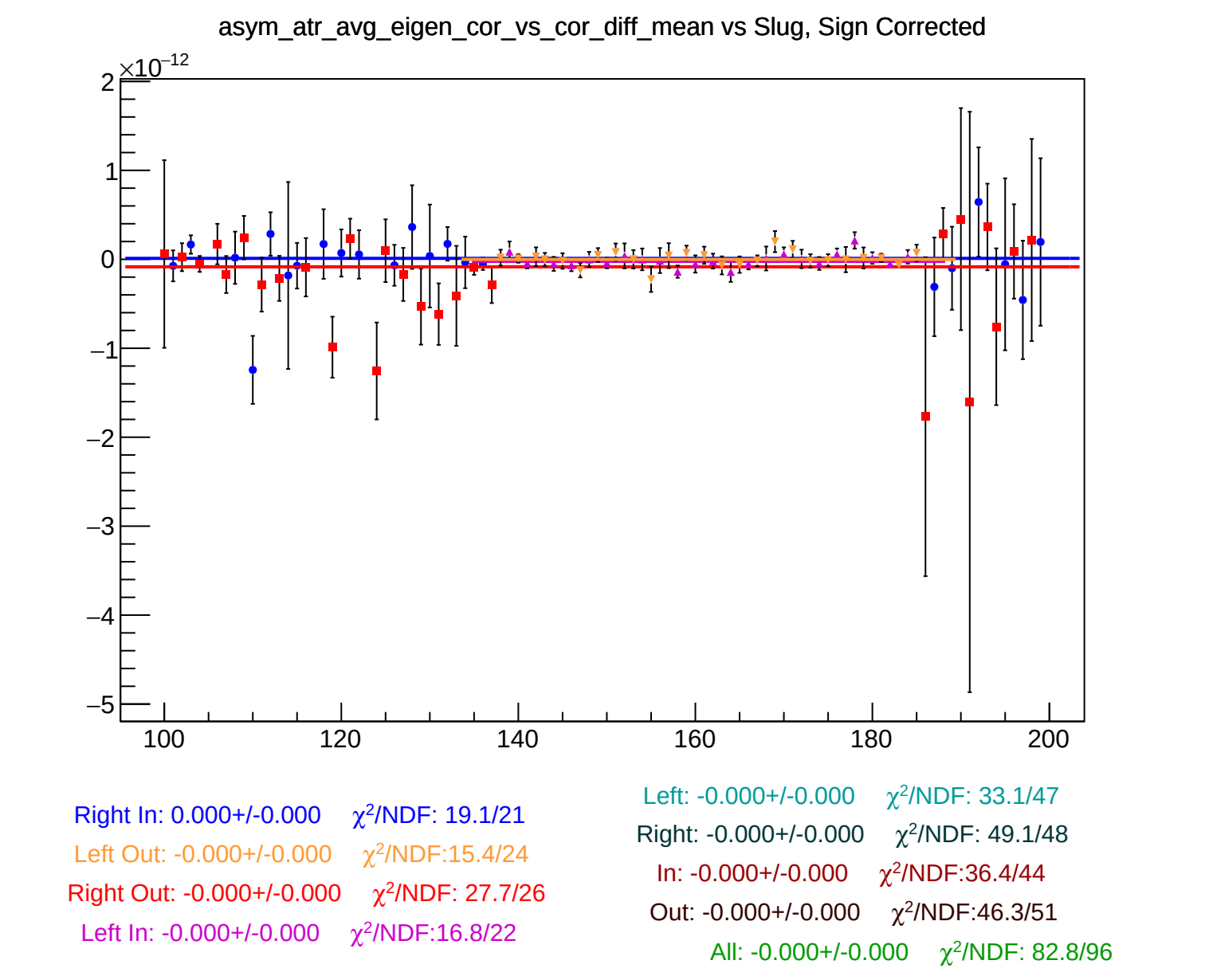
Left: 280.130+/-0.034 χ^2/NDF: 4323107.7/47

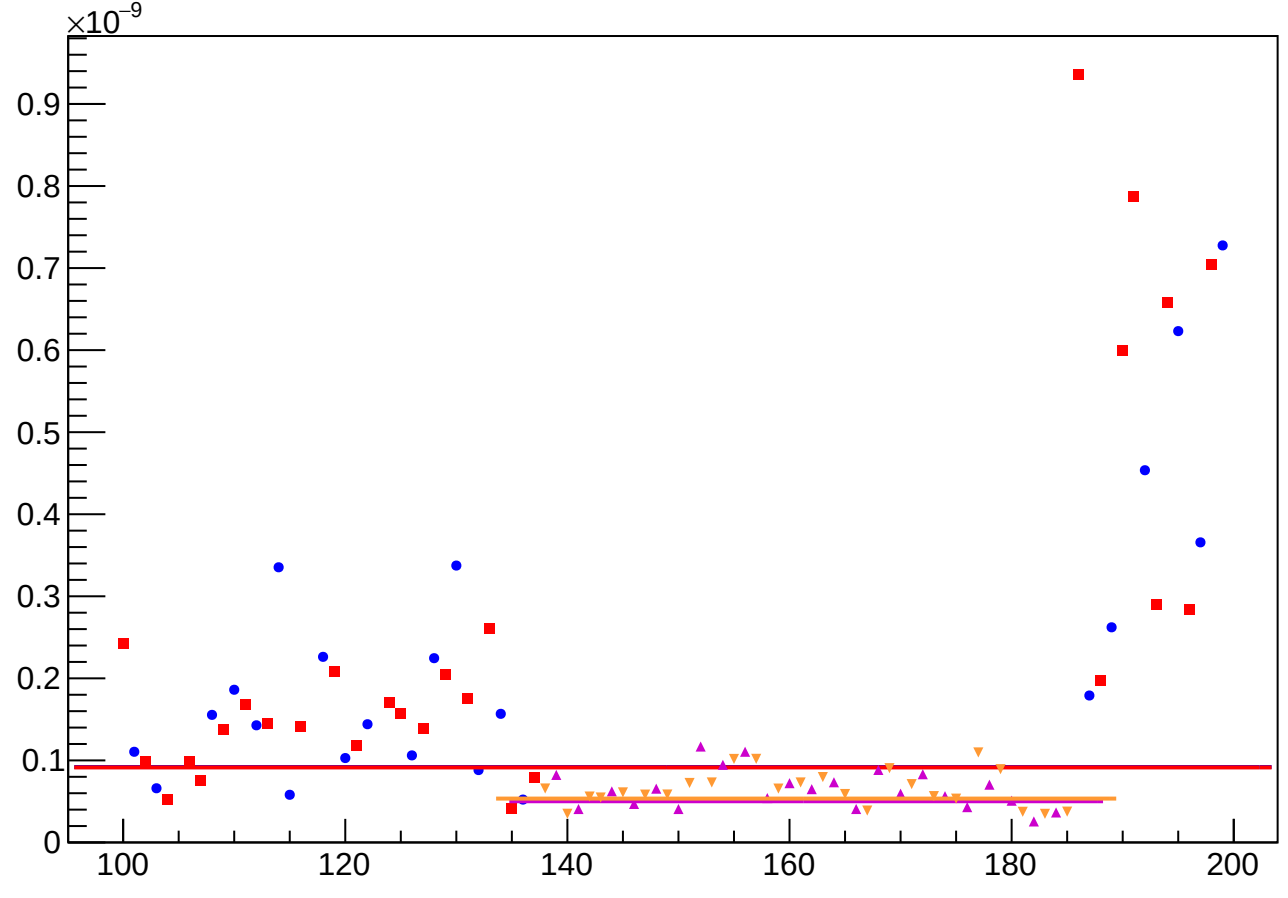
Right: 185.103+/-0.030 χ^2/NDF: 7414436.9/48

In: 243.528+/-0.034 χ^2/NDF:5156629.5/44

Out: 213.677+/-0.030 χ^2/NDF:10488631.6/51

All: 226.881+/-0.023 χ^2/NDF: 16073709.2/96


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: 19.1/21
Left Out: -0.000+/-0.000 χ²/NDF:15.4/24
Right Out: -0.000+/-0.000 χ²/NDF: 27.7/26
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: 49.1/48
In: -0.000+/-0.000 χ²/NDF:36.4/44
Out: -0.000+/-0.000 χ²/NDF:46.3/51
All: -0.000+/-0.000 χ²/NDF: 82.8/96



Right In: 0.000+/-0.000 χ^2/NDF: 5037522.1/21

Left Out: 0.000+/-0.000 χ^2/NDF:2781376.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5489603.3/26

Left In: 0.000+/-0.000 χ^2/NDF:3367886.1/22

Left: 0.000+/-0.000 χ^2/NDF: 6193032.5/47

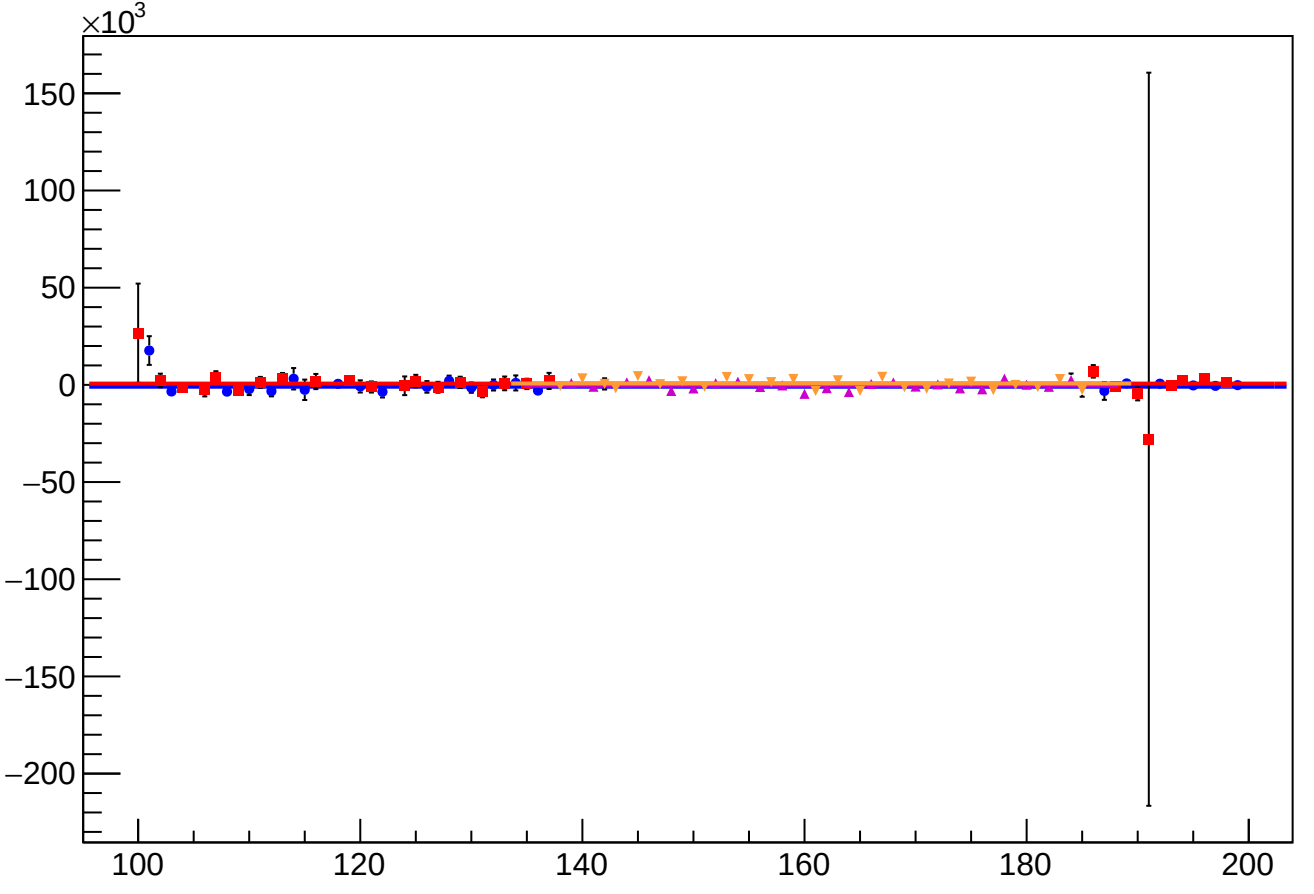
Right: 0.000+/-0.000 χ^2/NDF: 10527233.6/48

In: 0.000+/-0.000 χ^2/NDF:9950768.4/44

Out: 0.000+/-0.000 χ^2/NDF:9607848.1/51

All: 0.000+/-0.000 χ^2/NDF: 19605676.8/96

reg_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -944.320+/-574.536 χ^2/NDF: 15.5/21

Left Out: 705.742+/-415.383 χ^2/NDF:31.9/24

Right Out: 650.516+/-549.645 χ^2/NDF: 19.6/26

Left In: -403.144+/-426.215 χ^2/NDF:20.7/22

Left: 165.568+/-297.476 χ^2/NDF: 56.1/47

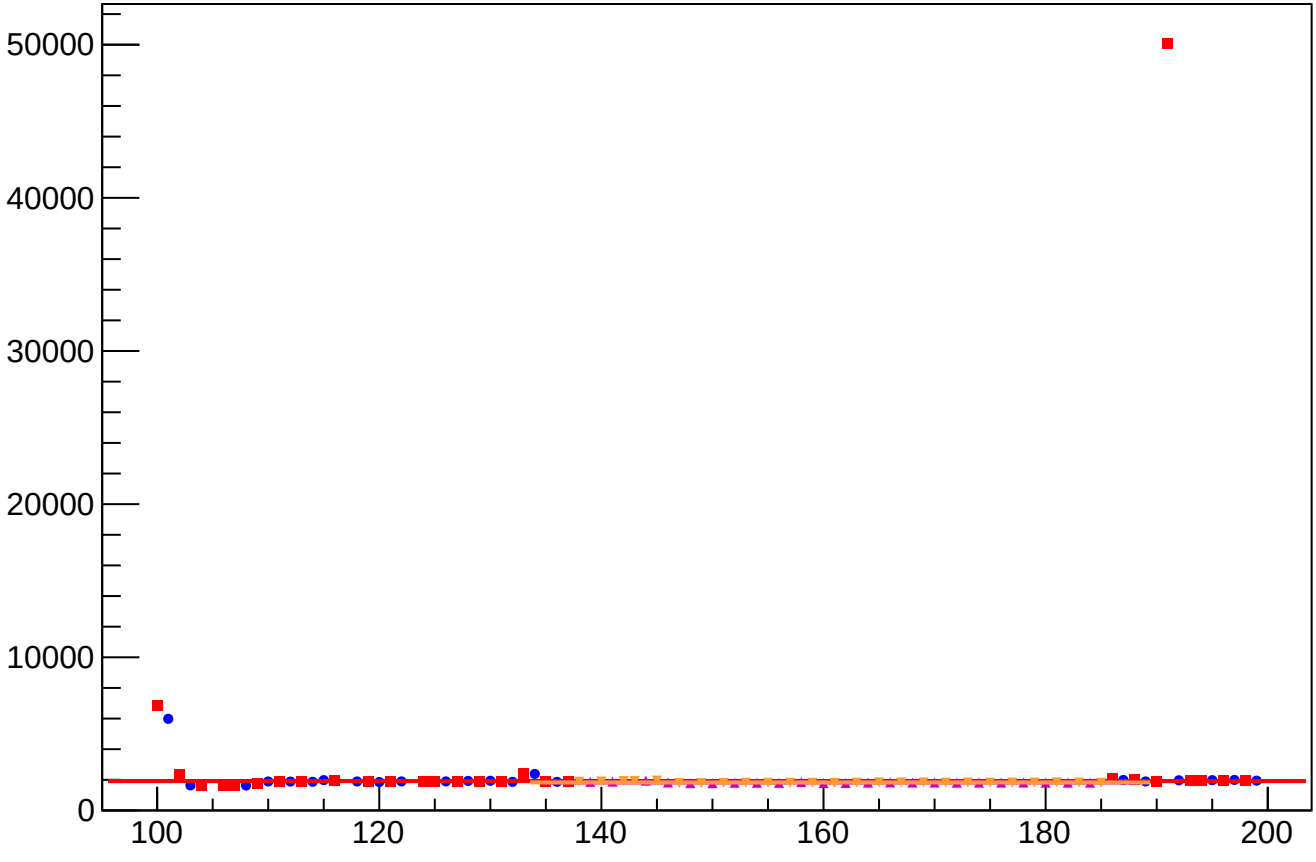
Right: -111.607+/-397.166 χ^2/NDF: 39.2/48

In: -595.248+/-342.308 χ^2/NDF:36.9/44

Out: 685.667+/-331.393 χ^2/NDF:51.6/51

All: 65.956+/-238.095 χ^2/NDF: 95.6/96

reg_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1922.234+/-0.406 χ^2/NDF: 705305.0/21

Left Out: 1828.243+/-0.294 χ^2/NDF:19329.0/24

Right Out: 1917.842+/-0.388 χ^2/NDF: 373299.4/26

Left In: 1825.165+/-0.301 χ^2/NDF:13360.2/22

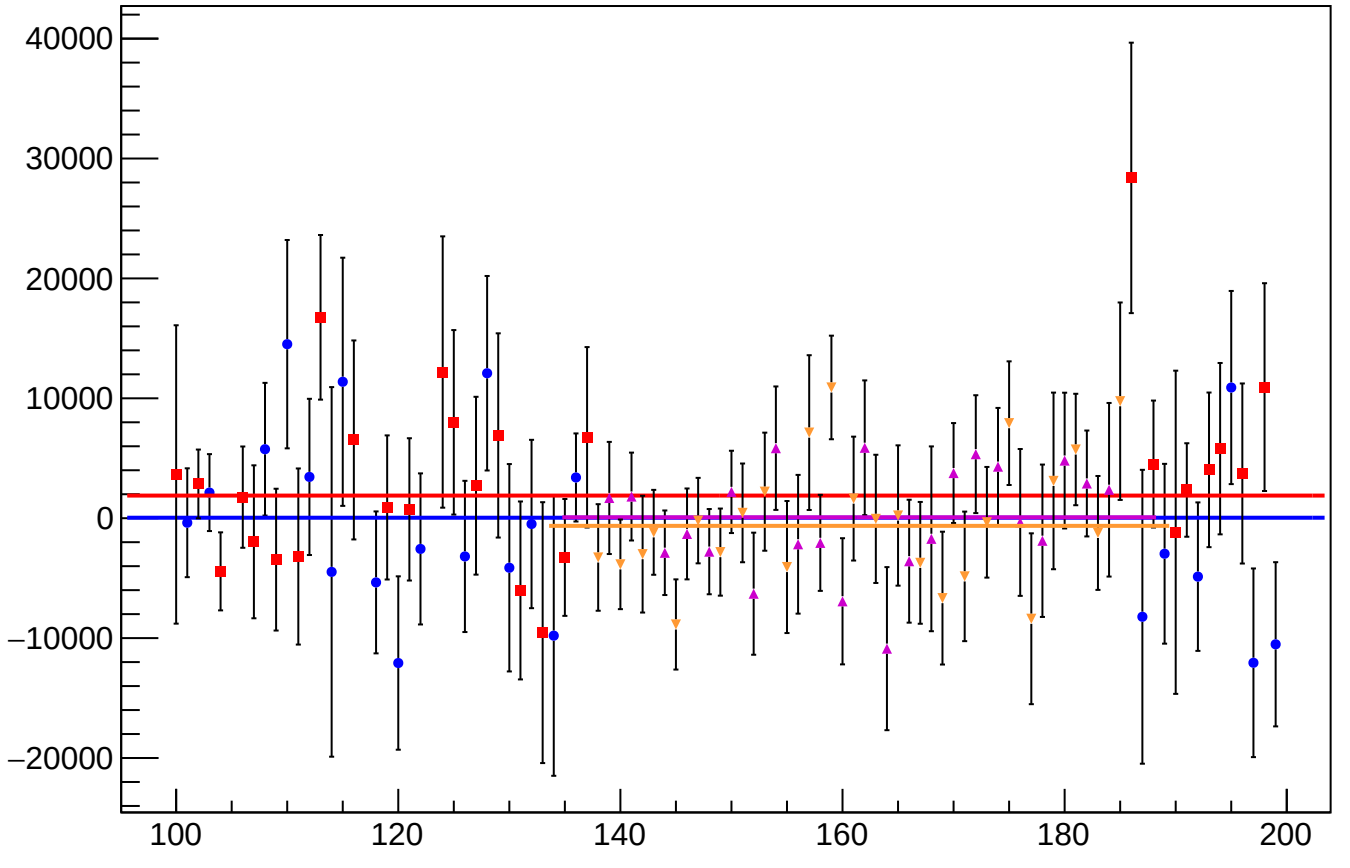
Left: 1826.743+/-0.210 χ^2/NDF: 32742.7/47

Right: 1919.936+/-0.281 χ^2/NDF: 1078665.6/48

In: 1859.622+/-0.242 χ^2/NDF:755489.8/44

Out: 1860.899+/-0.234 χ^2/NDF:426544.8/51

All: 1860.282+/-0.168 χ^2/NDF: 1182048.9/96



Right In: 40.762+/-1335.814 χ^2/NDF: 21.7/21

Left Out: -637.703+/-946.866 χ^2/NDF:26.0/24

Right Out: 1887.670+/-1136.137 χ^2/NDF: 23.6/26

Left In: 75.764+/-980.243 χ^2/NDF:15.4/22

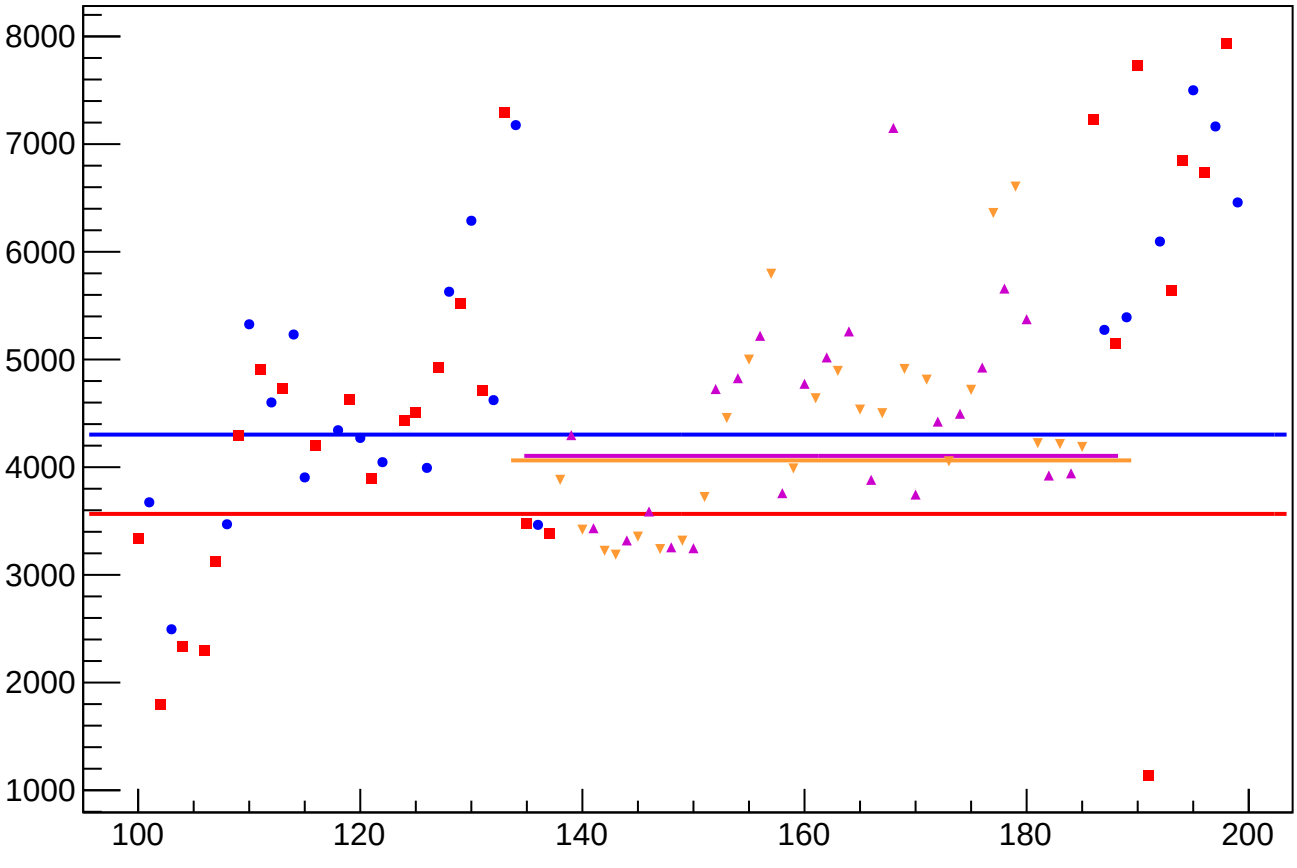
Left: -293.323+/-681.030 χ^2/NDF: 41.7/47

Right: 1112.436+/-865.445 χ^2/NDF: 46.4/48

In: 63.513+/-790.291 χ^2/NDF:37.1/44

Out: 397.396+/-727.376 χ^2/NDF:52.5/51

All: 244.272+/-535.194 χ^2/NDF: 89.8/96



Right In: 4302.653+/-0.945 χ^2/NDF: 2157762.3/21

Left Out: 4063.108+/-0.670 χ^2/NDF:1405036.2/24

Right Out: 3566.232+/-0.803 χ^2/NDF: 4820479.5/26

Left In: 4105.057+/-0.693 χ^2/NDF:1359493.1/22

Left: 4083.357+/-0.482 χ^2/NDF: 2766424.2/47

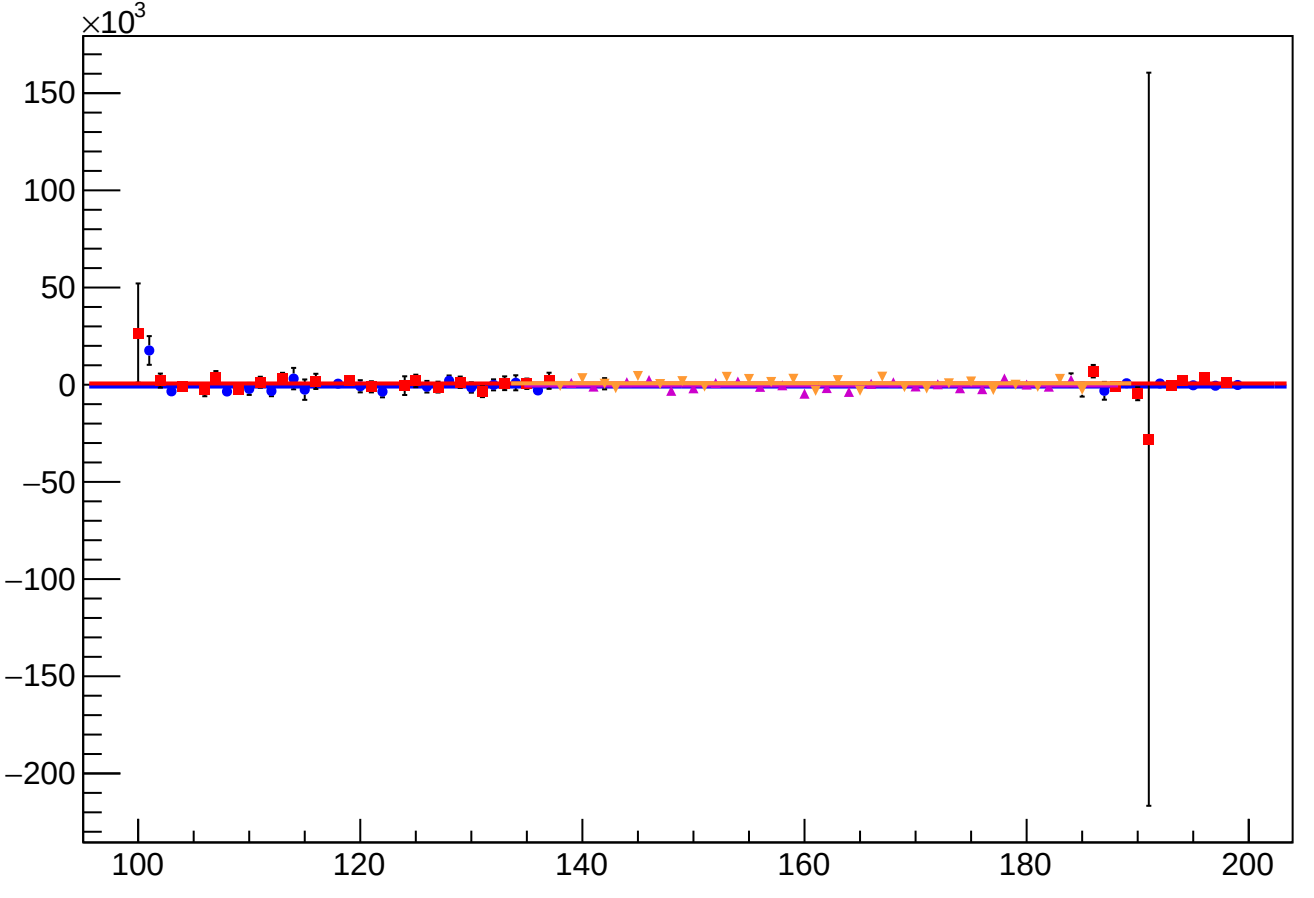
Right: 3875.342+/-0.612 χ^2/NDF: 7330943.8/48

In: 4174.218+/-0.559 χ^2/NDF:3545699.9/44

Out: 3859.449+/-0.514 χ^2/NDF:6451254.3/51

All: 4003.807+/-0.378 χ^2/NDF: 10168723.9/9

cor_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -944.561+/-574.536 χ^2/NDF: 15.5/21

Left Out: 705.801+/-415.383 χ^2/NDF:31.9/24

Right Out: 644.629+/-550.099 χ^2/NDF: 19.6/26

Left In: -402.981+/-426.215 χ^2/NDF:20.8/22

Left: 165.678+/-297.476 χ^2/NDF: 56.1/47

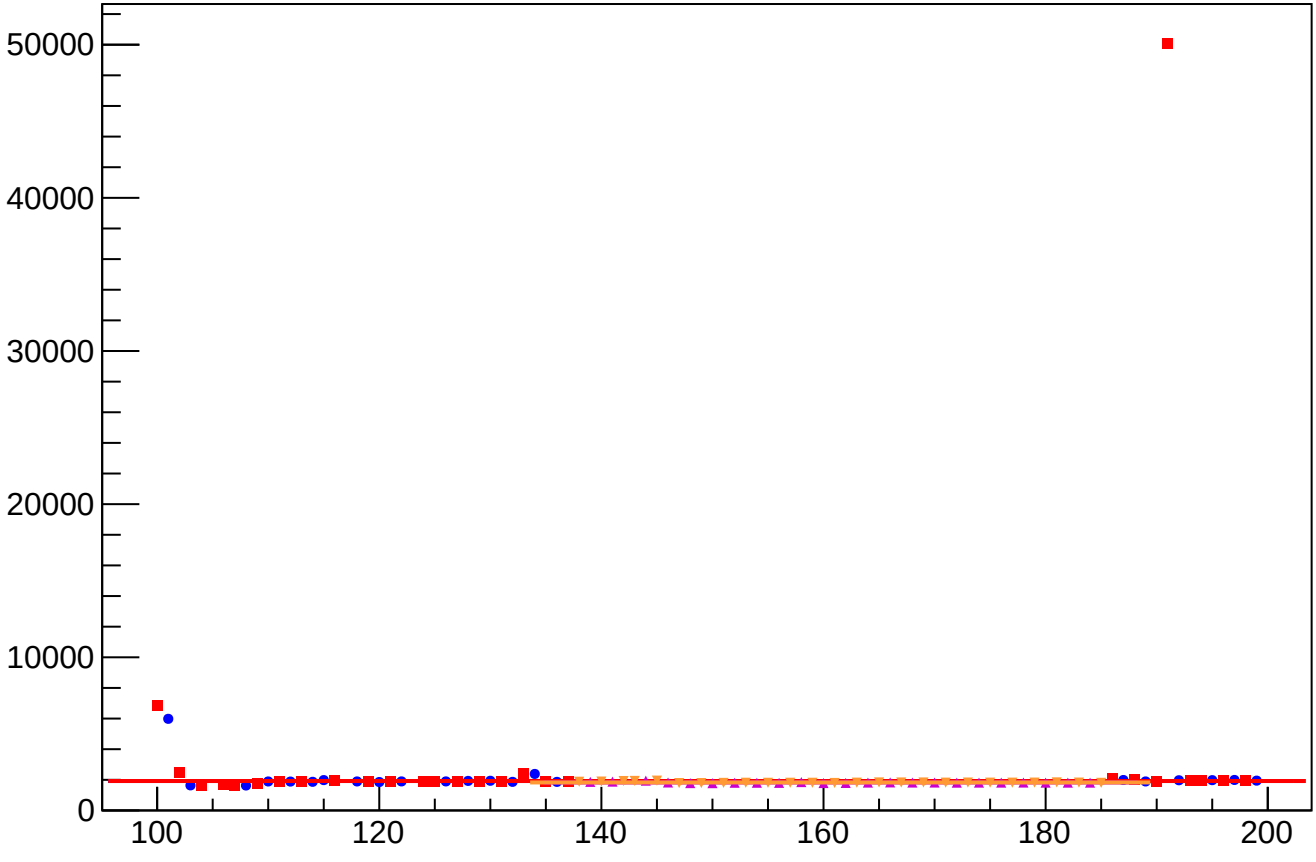
Right: -115.450+/-397.337 χ^2/NDF: 39.1/48

In: -595.228+/-342.308 χ^2/NDF:36.8/44

Out: 683.587+/-331.492 χ^2/NDF:51.5/51

All: 64.701+/-238.132 χ^2/NDF: 95.5/96

cor_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1922.234+/-0.406 χ^2/NDF: 705305.2/21

Left Out: 1828.243+/-0.294 χ^2/NDF:19329.0/24

Right Out: 1922.147+/-0.389 χ^2/NDF: 379832.2/26

Left In: 1825.165+/-0.301 χ^2/NDF:13360.2/22

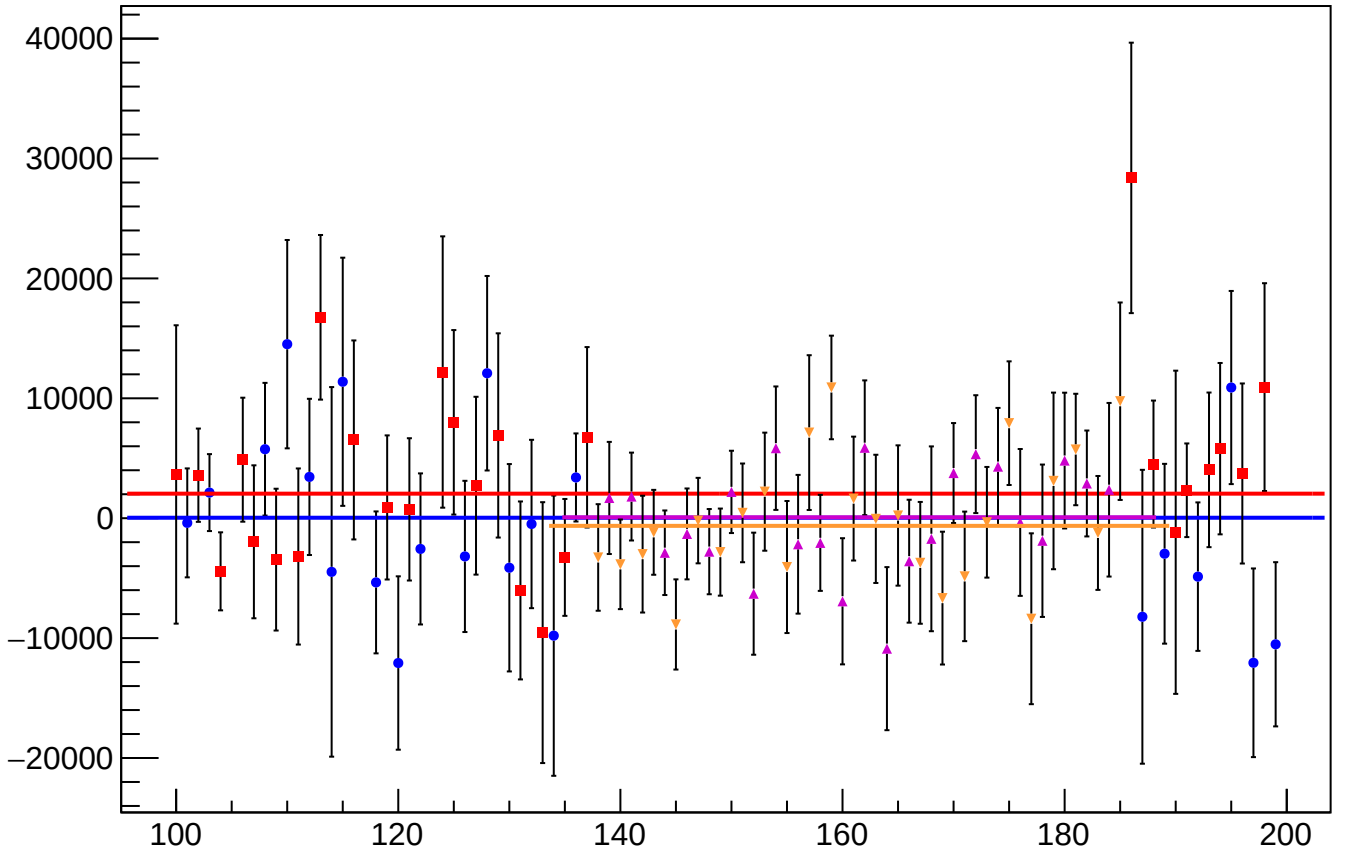
Left: 1826.743+/-0.210 χ^2/NDF: 32742.7/47

Right: 1922.189+/-0.281 χ^2/NDF: 1085137.5/48

In: 1859.622+/-0.242 χ^2/NDF:755489.9/44

Out: 1862.384+/-0.234 χ^2/NDF:436322.7/51

All: 1861.048+/-0.168 χ^2/NDF: 1191879.7/96



Right In: 39.585+/-1335.941 χ^2/NDF: 21.7/21

Left Out: -637.720+/-946.866 χ^2/NDF:26.0/24

Right Out: 2047.299+/-1195.021 χ^2/NDF: 24.0/26

Left In: 75.789+/-980.241 χ^2/NDF:15.4/22

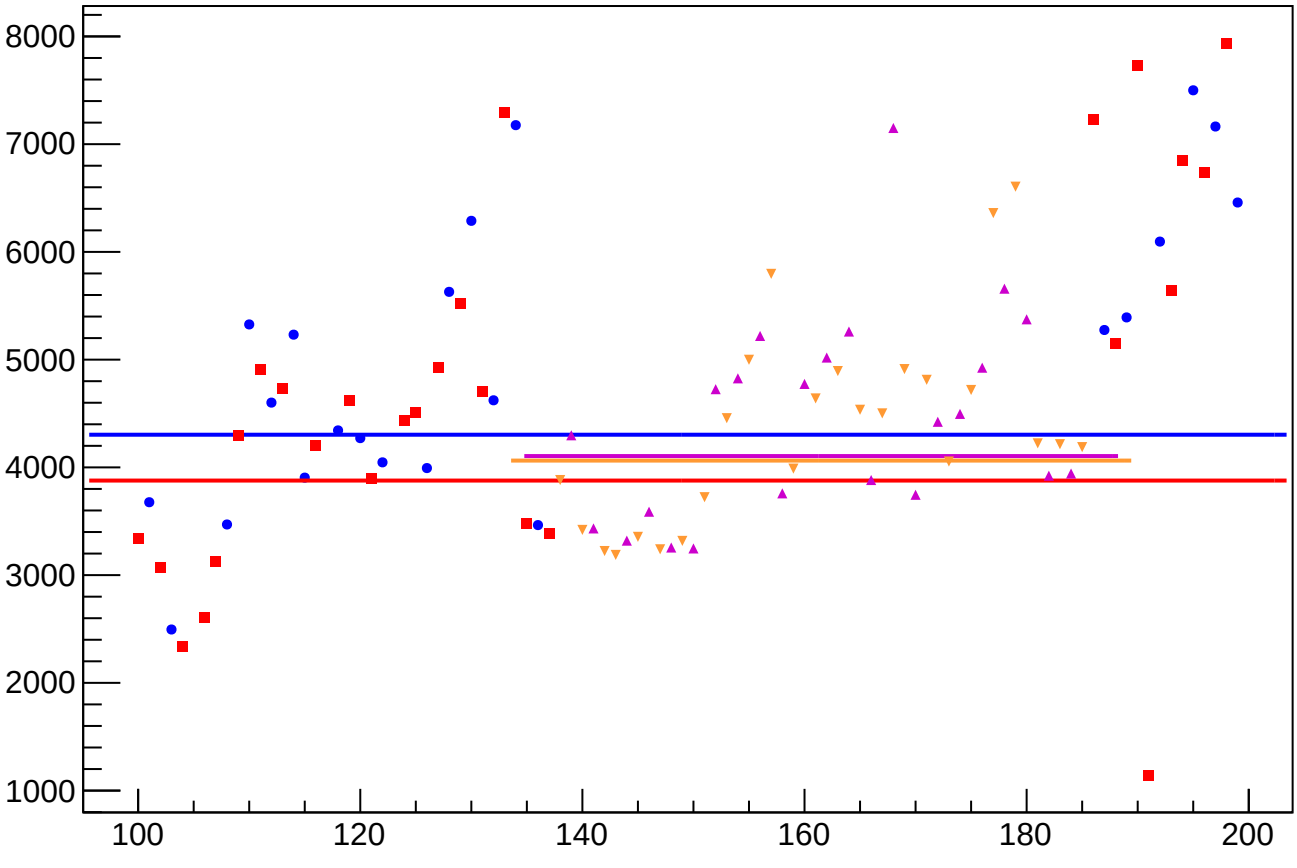
Left: -293.319+/-681.029 χ^2/NDF: 41.7/47

Right: 1154.884+/-890.677 χ^2/NDF: 47.0/48

In: 63.119+/-790.316 χ^2/NDF:37.1/44

Out: 397.829+/-742.142 χ^2/NDF:53.1/51

All: 240.985+/-541.003 χ^2/NDF: 90.3/96



Right In: 4303.171+/-0.945 χ^2/NDF: 2156801.1/21

Left Out: 4063.106+/-0.670 χ^2/NDF:1405030.5/24

Right Out: 3877.710+/-0.845 χ^2/NDF: 3840518.2/26

Left In: 4105.050+/-0.693 χ^2/NDF:1359501.9/22

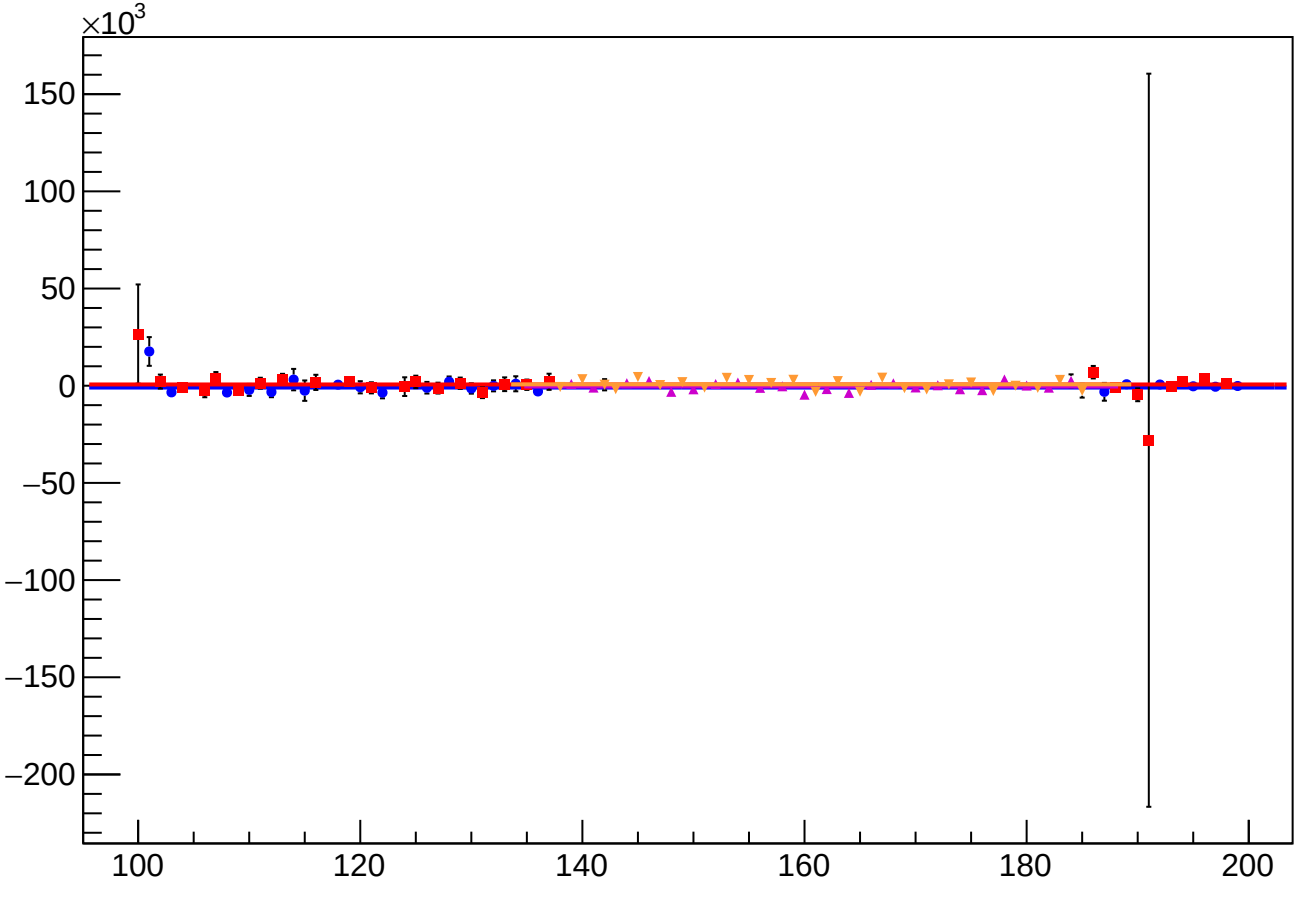
Left: 4083.351+/-0.482 χ^2/NDF: 2766426.7/47

Right: 4066.824+/-0.630 χ^2/NDF: 6110004.3/48

In: 4174.386+/-0.559 χ^2/NDF:3544895.7/44

Out: 3991.603+/-0.525 χ^2/NDF:5275120.6/51

All: 4077.254+/-0.383 χ^2/NDF: 8876865.6/96



Right In: -944.561+/-574.536 χ^2/NDF: 15.5/21

Left Out: 705.801+/-415.383 χ^2/NDF:31.9/24

Right Out: 644.629+/-550.099 χ^2/NDF: 19.6/26

Left In: -402.981+/-426.215 χ^2/NDF:20.8/22

Left: 165.678+/-297.476 χ^2/NDF: 56.1/47

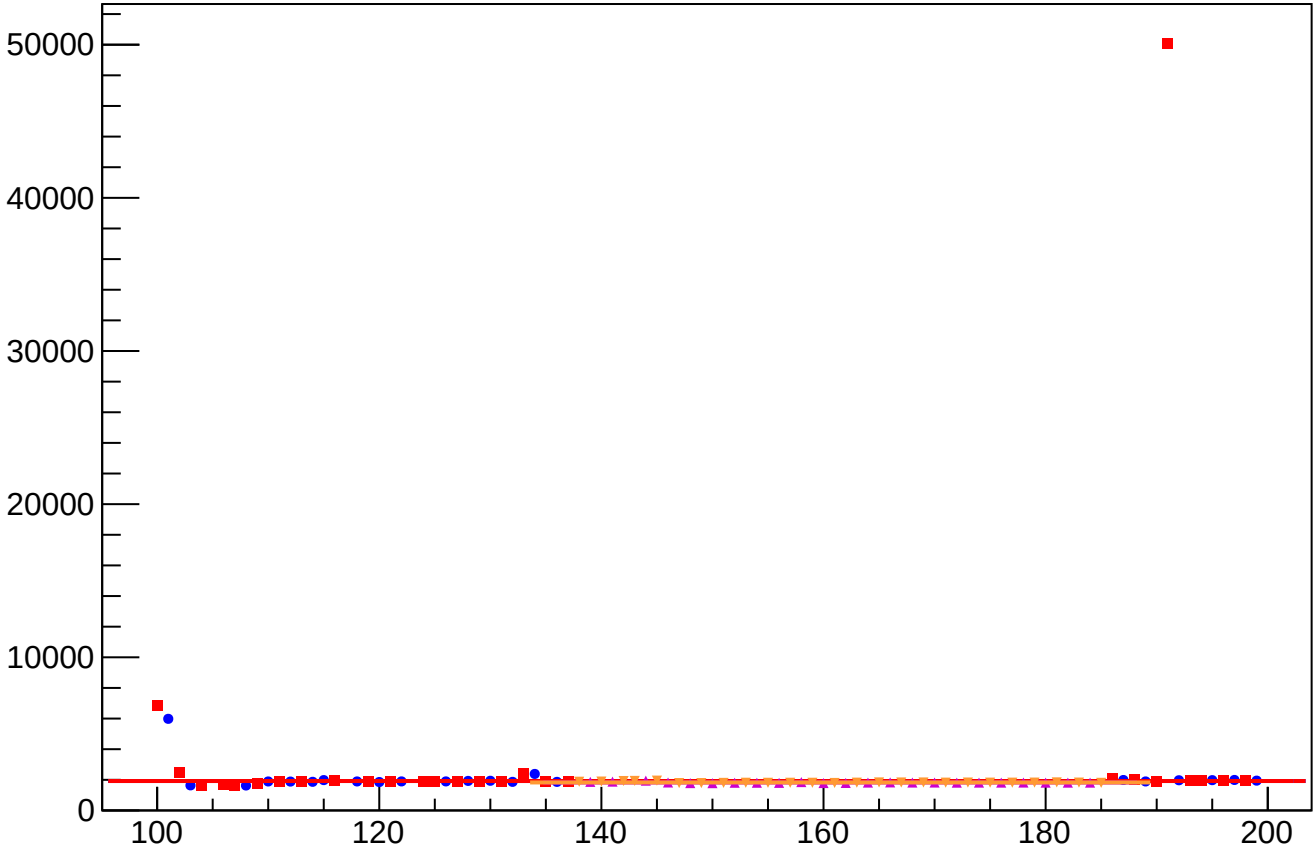
Right: -115.450+/-397.337 χ^2/NDF: 39.1/48

In: -595.228+/-342.308 χ^2/NDF:36.8/44

Out: 683.587+/-331.492 χ^2/NDF:51.5/51

All: 64.701+/-238.132 χ^2/NDF: 95.5/96

eigen_cor_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1922.234+/-0.406 χ^2/NDF: 705305.2/21

Left Out: 1828.243+/-0.294 χ^2/NDF:19329.0/24

Right Out: 1922.147+/-0.389 χ^2/NDF: 379832.2/26

Left In: 1825.165+/-0.301 χ^2/NDF:13360.2/22

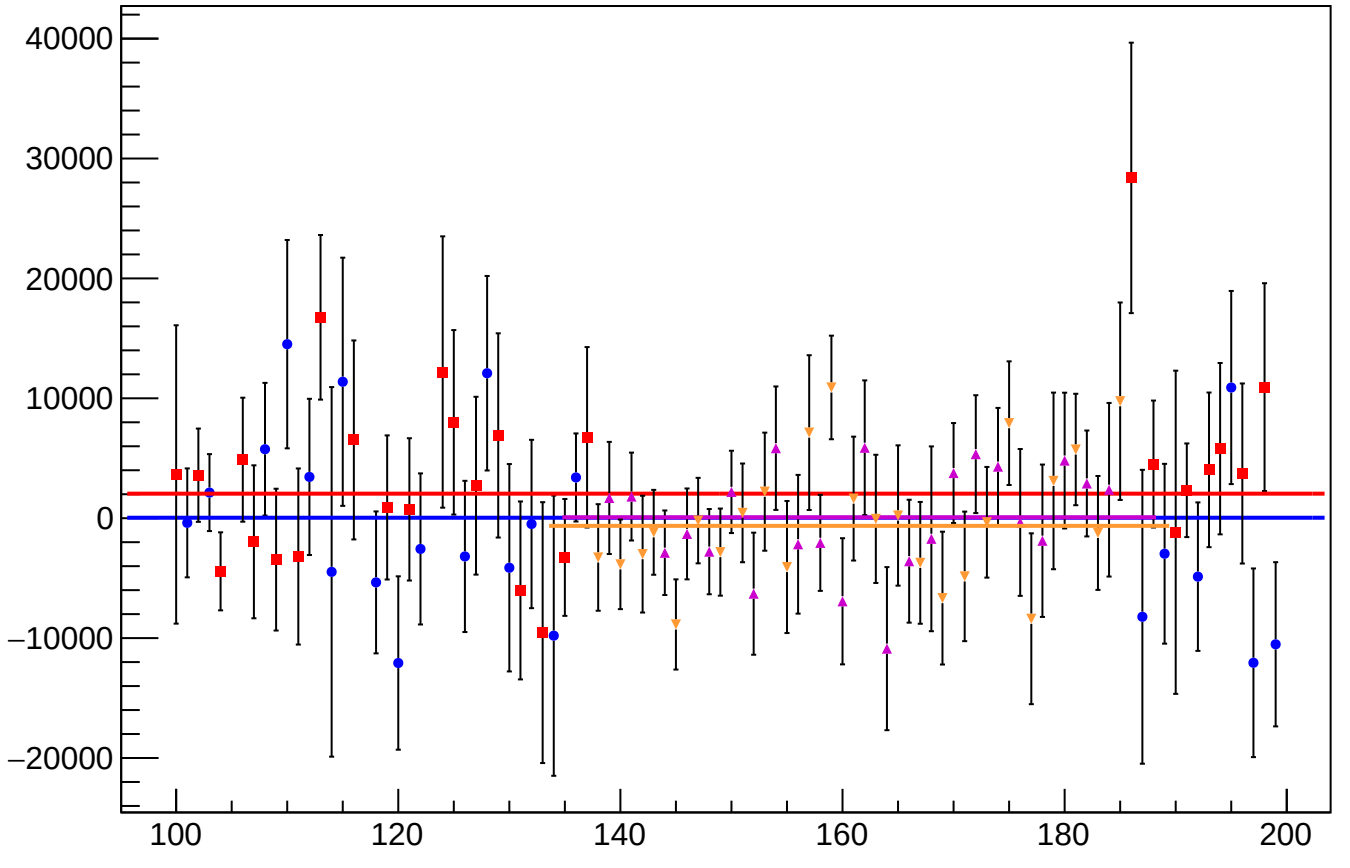
Left: 1826.743+/-0.210 χ^2/NDF: 32742.7/47

Right: 1922.189+/-0.281 χ^2/NDF: 1085137.5/48

In: 1859.622+/-0.242 χ^2/NDF:755489.9/44

Out: 1862.384+/-0.234 χ^2/NDF:436322.7/51

All: 1861.048+/-0.168 χ^2/NDF: 1191879.7/96



Right In: 39.585+/-1335.941 χ^2/NDF: 21.7/21

Left Out: -637.720+/-946.866 χ^2/NDF:26.0/24

Right Out: 2047.299+/-1195.021 χ^2/NDF: 24.0/26

Left In: 75.789+/-980.241 χ^2/NDF:15.4/22

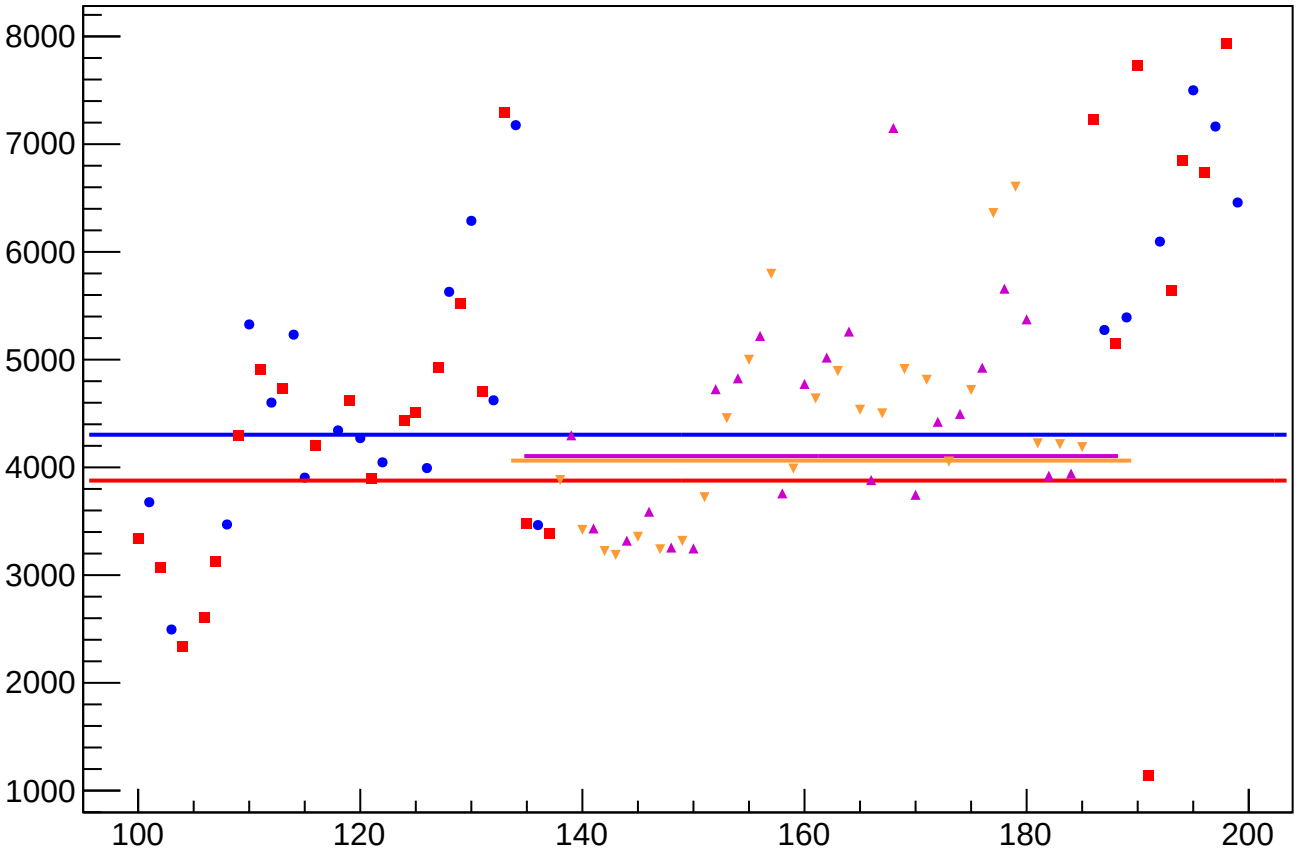
Left: -293.319+/-681.029 χ^2/NDF: 41.7/47

Right: 1154.884+/-890.677 χ^2/NDF: 47.0/48

In: 63.119+/-790.316 χ^2/NDF:37.1/44

Out: 397.829+/-742.142 χ^2/NDF:53.1/51

All: 240.985+/-541.003 χ^2/NDF: 90.3/96



Right In: 4303.171+/-0.945 χ^2/NDF: 2156801.1/21

Left Out: 4063.106+/-0.670 χ^2/NDF:1405030.5/24

Right Out: 3877.710+/-0.845 χ^2/NDF: 3840518.2/26

Left In: 4105.050+/-0.693 χ^2/NDF:1359501.9/22

Left: 4083.351+/-0.482 χ^2/NDF: 2766426.7/47

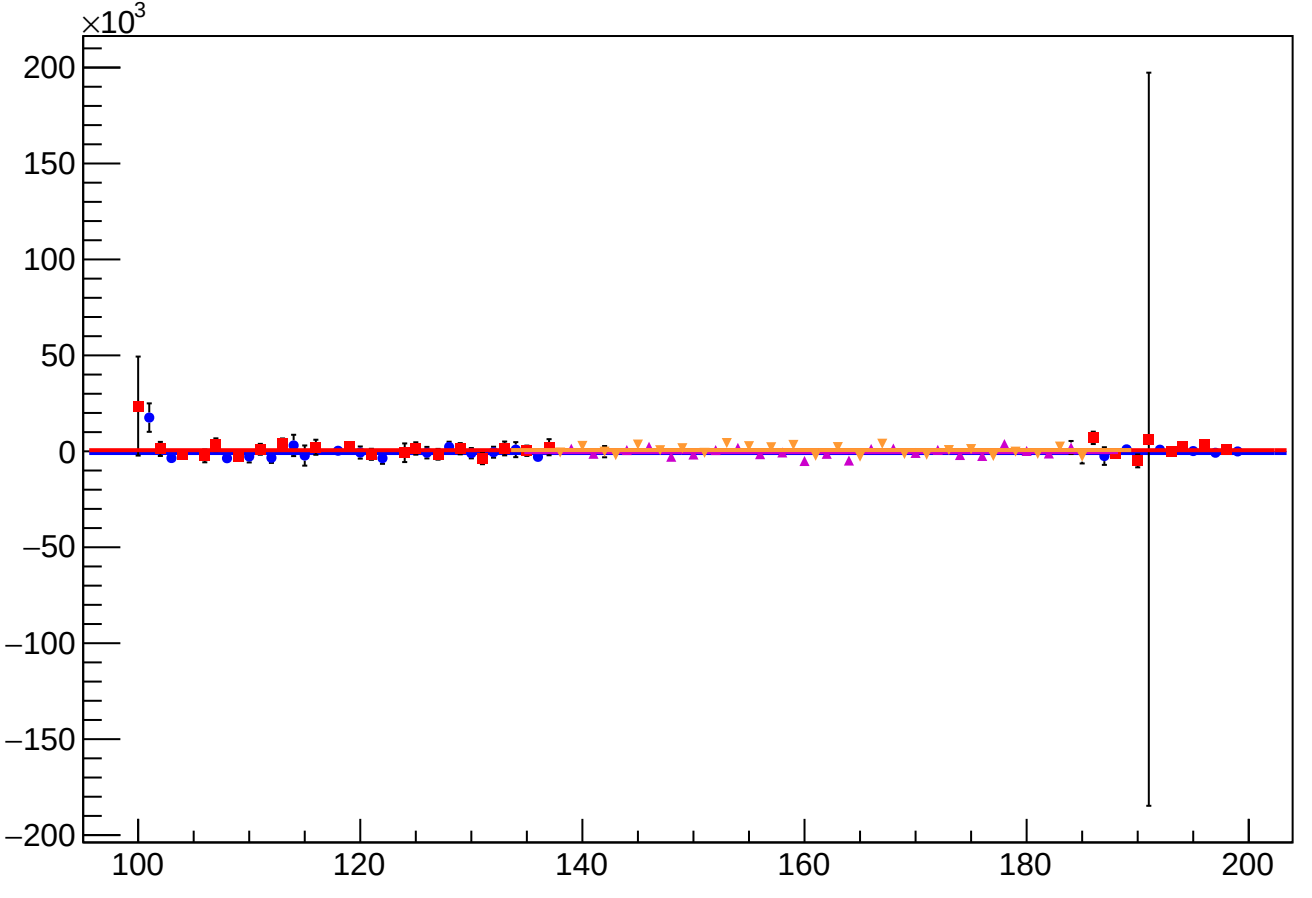
Right: 4066.824+/-0.630 χ^2/NDF: 6110004.3/48

In: 4174.386+/-0.559 χ^2/NDF:3544895.7/44

Out: 3991.603+/-0.525 χ^2/NDF:5275120.6/51

All: 4077.254+/-0.383 χ^2/NDF: 8876865.6/96

dit_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -890.518+/-579.742 χ^2/NDF: 16.0/21

Left Out: 657.616+/-423.063 χ^2/NDF:27.0/24

Right Out: 590.191+/-555.381 χ^2/NDF: 21.1/26

Left In: -410.869+/-433.856 χ^2/NDF:23.6/22

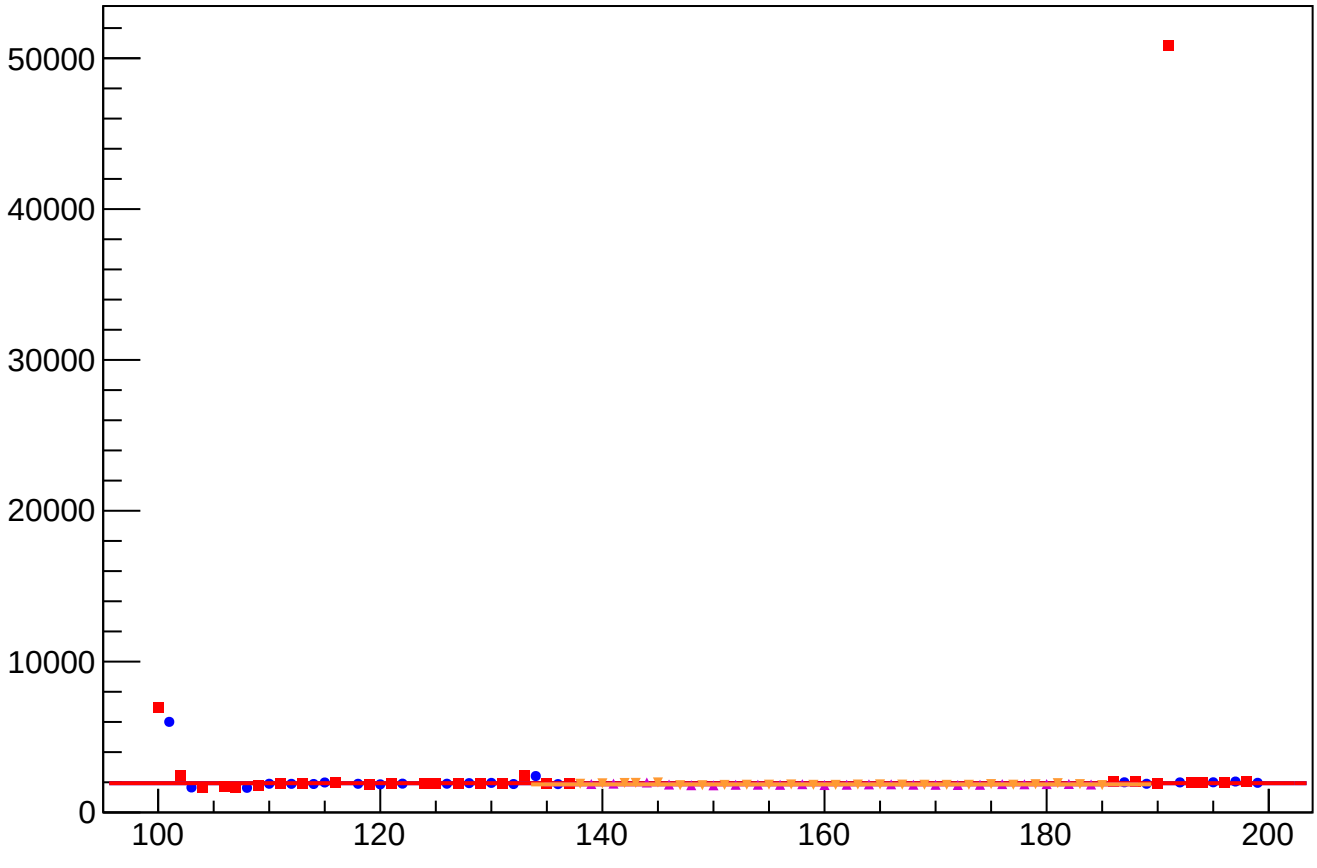
Left: 136.829+/-302.895 χ^2/NDF: 53.8/47

Right: -118.400+/-401.049 χ^2/NDF: 40.5/48

In: -583.059+/-347.358 χ^2/NDF:40.0/44

Out: 632.858+/-336.542 χ^2/NDF:48.1/51

All: 44.124+/-241.705 χ^2/NDF: 94.5/96



Right In: 1939.461+/-0.410 χ^2/NDF: 707775.8/21

Left Out: 1861.731+/-0.299 χ^2/NDF:26014.9/24

Right Out: 1940.227+/-0.392 χ^2/NDF: 388042.1/26

Left In: 1857.661+/-0.307 χ^2/NDF:16381.0/22

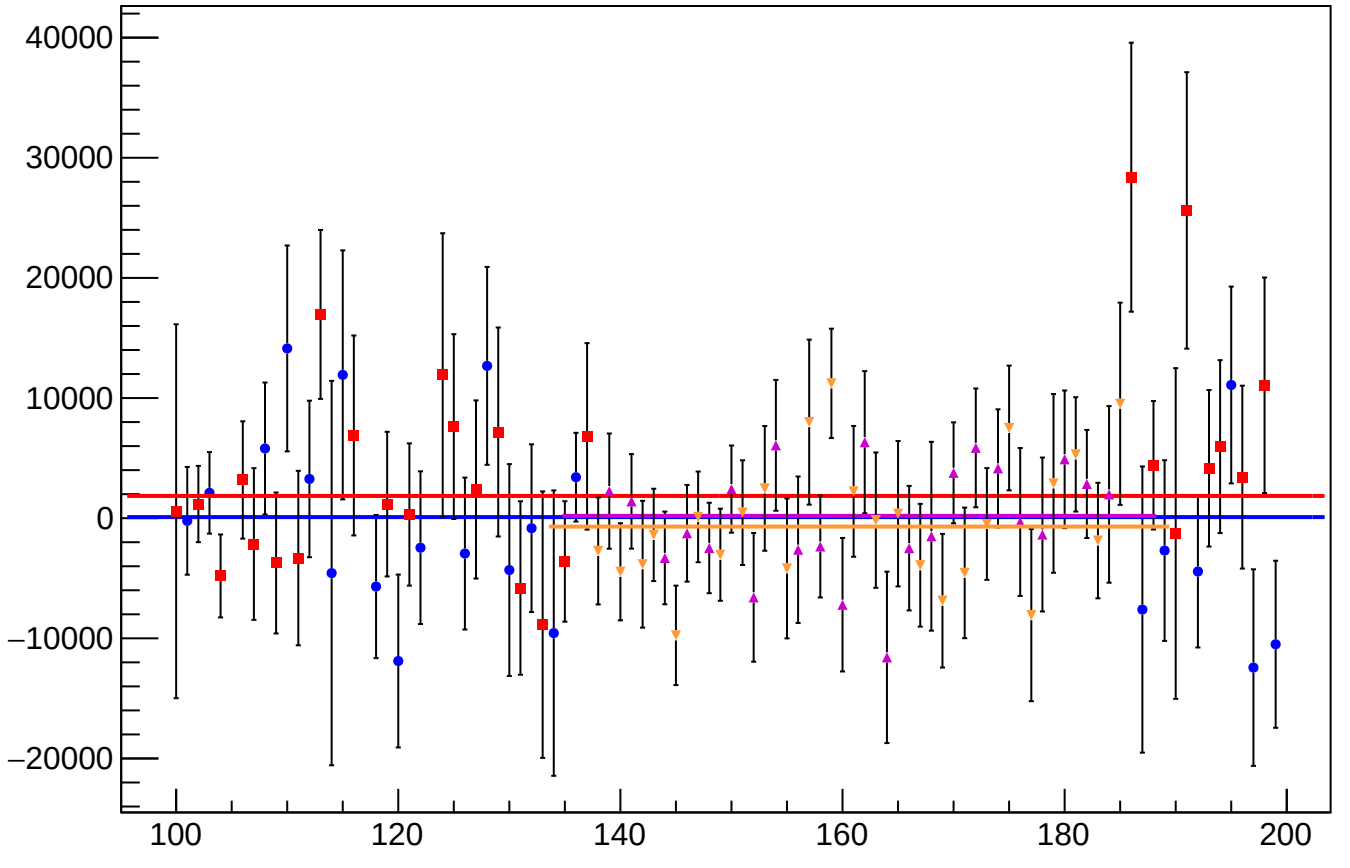
Left: 1859.747+/-0.214 χ^2/NDF: 42486.2/47

Right: 1939.861+/-0.283 χ^2/NDF: 1095819.7/48

In: 1887.026+/-0.246 χ^2/NDF:749679.9/44

Out: 1890.578+/-0.238 χ^2/NDF:439360.4/51

All: 1888.859+/-0.171 χ^2/NDF: 1189148.2/96



Right In: 90.743+/-1353.193 χ^2/NDF: 21.5/21

Left Out: -698.287+/-990.035 χ^2/NDF:25.3/24

Right Out: 1852.896+/-1230.435 χ^2/NDF: 27.8/26

Left In: 192.486+/-1022.469 χ^2/NDF:15.2/22

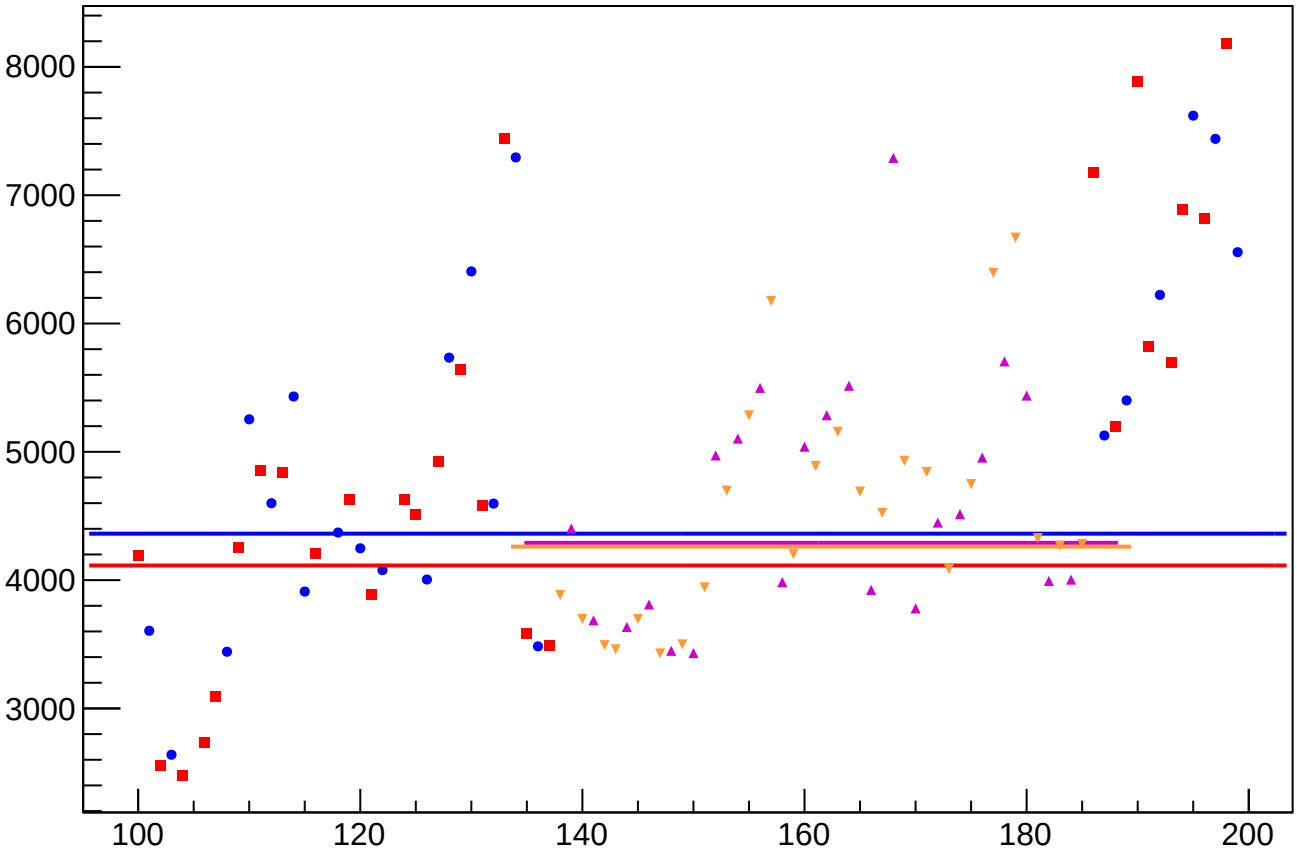
Left: -267.253+/-711.250 χ^2/NDF: 40.9/47

Right: 1055.358+/-910.361 χ^2/NDF: 50.1/48

In: 155.509+/-815.778 χ^2/NDF:36.6/44

Out: 304.300+/-771.345 χ^2/NDF:55.7/51

All: 234.067+/-560.474 χ^2/NDF: 92.3/96



Right In: 4362.228+/-0.957 χ^2/NDF: 2094705.5/21

Left Out: 4261.124+/-0.700 χ^2/NDF:1190561.4/24

Right Out: 4114.158+/-0.870 χ^2/NDF: 3028984.2/26

Left In: 4290.398+/-0.723 χ^2/NDF:1213964.7/22

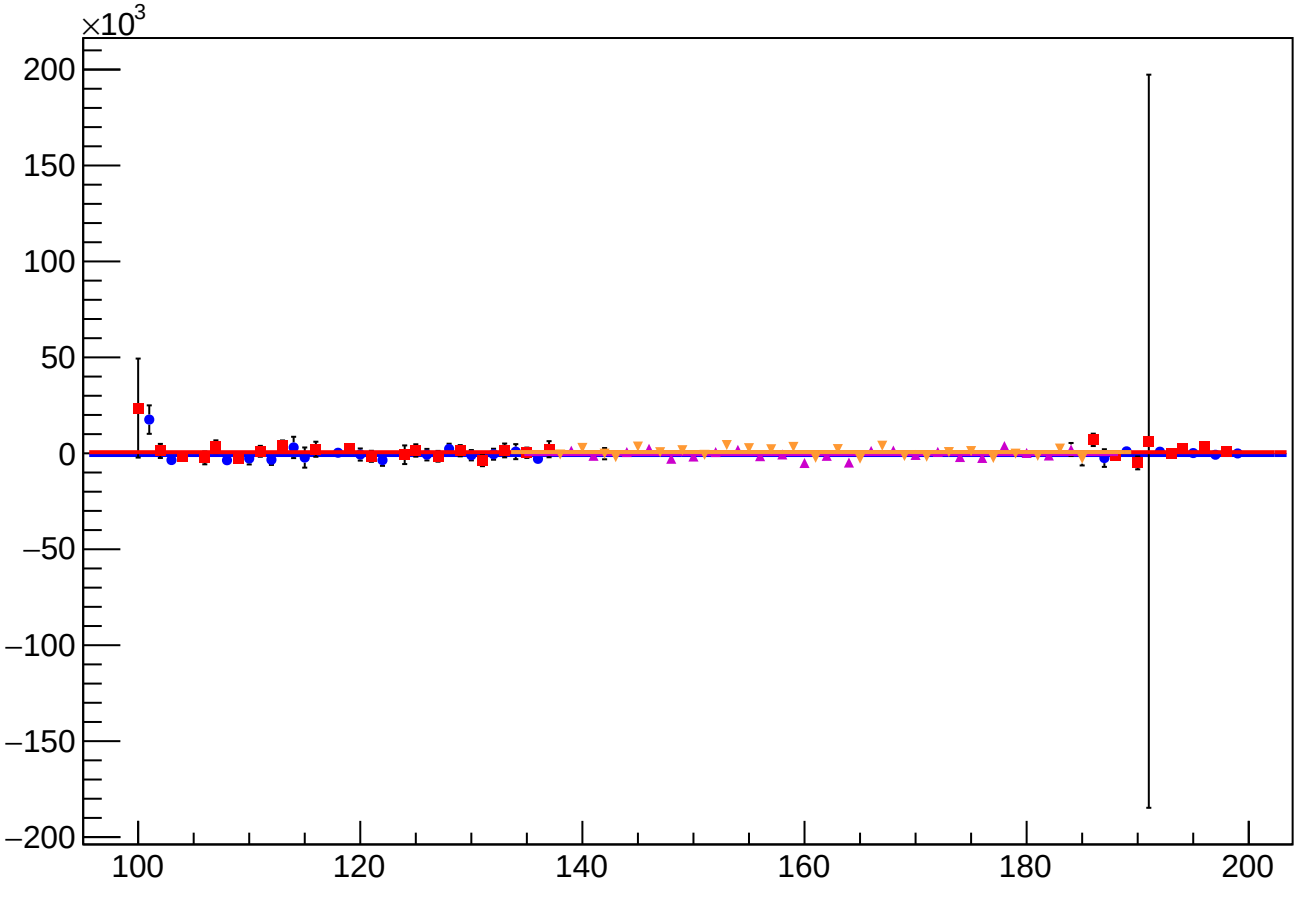
Left: 4275.289+/-0.503 χ^2/NDF: 2405372.2/47

Right: 4226.433+/-0.644 χ^2/NDF: 5160483.0/48

In: 4316.503+/-0.577 χ^2/NDF:3312257.5/44

Out: 4203.368+/-0.545 χ^2/NDF:4236865.3/51

All: 4256.771+/-0.396 χ^2/NDF: 7569432.1/96



Right In: -890.521+/-579.742 χ^2/NDF: 16.0/21

Left Out: 657.622+/-423.063 χ^2/NDF:27.0/24

Right Out: 590.187+/-555.381 χ^2/NDF: 21.1/26

Left In: -410.869+/-433.856 χ^2/NDF:23.6/22

Left: 136.832+/-302.895 χ^2/NDF: 53.8/47

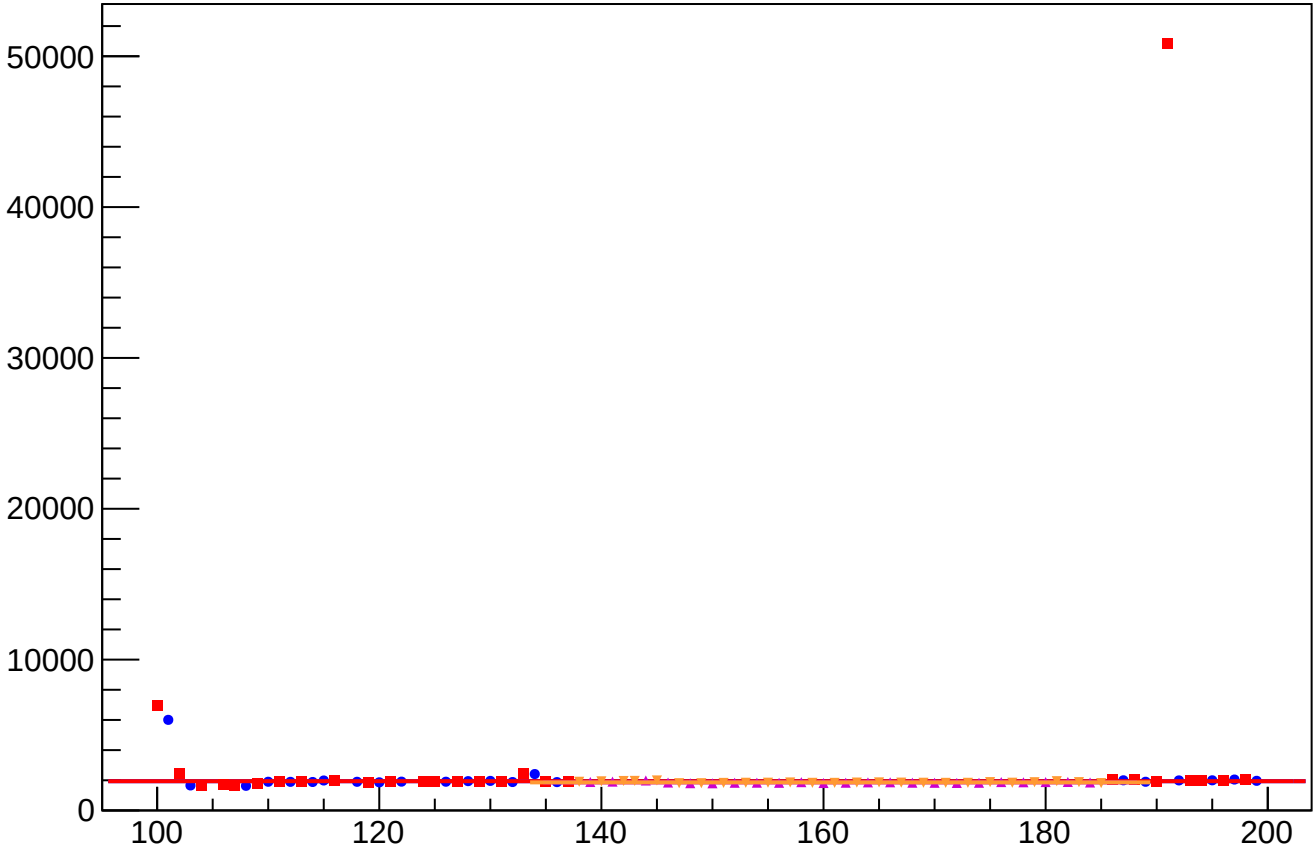
Right: -118.404+/-401.049 χ^2/NDF: 40.5/48

In: -583.060+/-347.358 χ^2/NDF:40.0/44

Out: 632.860+/-336.542 χ^2/NDF:48.1/51

All: 44.124+/-241.705 χ^2/NDF: 94.5/96

eigen_dit_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1939.461+/-0.410 χ^2/NDF: 707775.6/21

Left Out: 1861.731+/-0.299 χ^2/NDF:26014.9/24

Right Out: 1940.227+/-0.392 χ^2/NDF: 388042.2/26

Left In: 1857.661+/-0.307 χ^2/NDF:16380.9/22

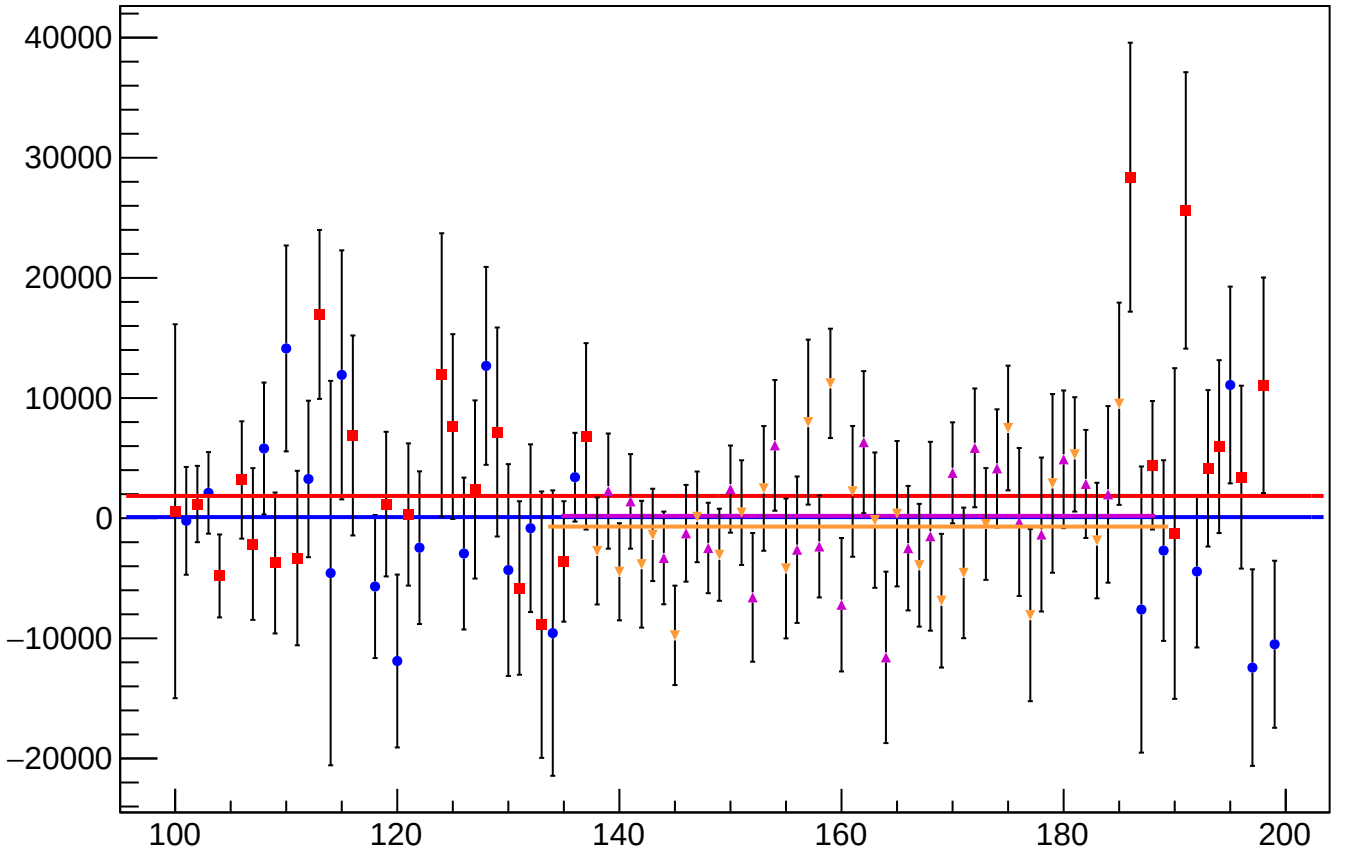
Left: 1859.748+/-0.214 χ^2/NDF: 42486.0/47

Right: 1939.861+/-0.283 χ^2/NDF: 1095819.7/48

In: 1887.027+/-0.246 χ^2/NDF:749679.2/44

Out: 1890.579+/-0.238 χ^2/NDF:439360.2/51

All: 1888.859+/-0.171 χ^2/NDF: 1189147.2/96



Right In: 90.733+/-1353.192 χ^2/NDF: 21.5/21

Left Out: -698.285+/-990.036 χ^2/NDF:25.3/24

Right Out: 1852.893+/-1230.434 χ^2/NDF: 27.8/26

Left In: 192.488+/-1022.471 χ^2/NDF:15.2/22

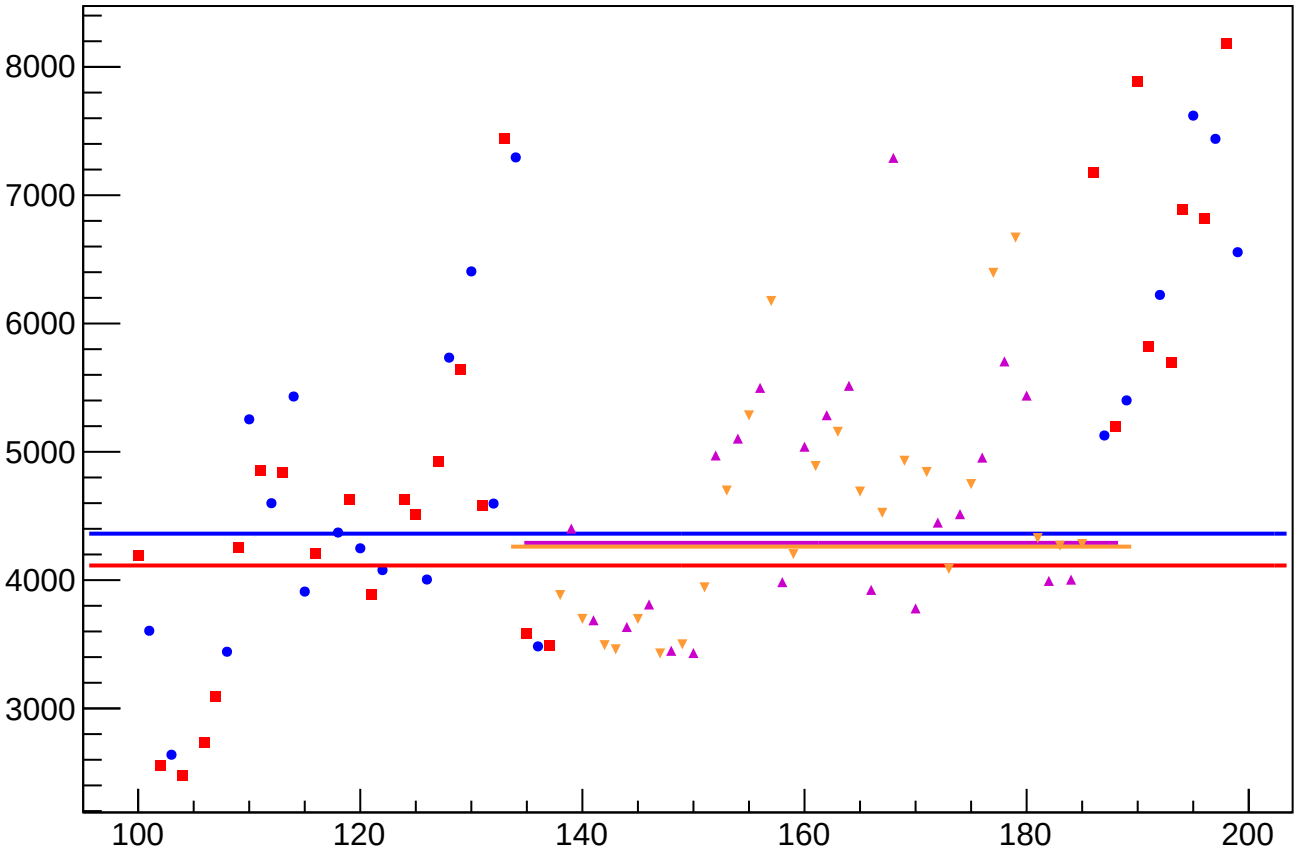
Left: -267.251+/-711.252 χ^2/NDF: 40.9/47

Right: 1055.352+/-910.361 χ^2/NDF: 50.1/48

In: 155.507+/-815.779 χ^2/NDF:36.6/44

Out: 304.302+/-771.346 χ^2/NDF:55.7/51

All: 234.067+/-560.474 χ^2/NDF: 92.3/96



Right In: 4362.226+/-0.957 χ^2/NDF: 2094703.6/21

Left Out: 4261.131+/-0.700 χ^2/NDF:1190564.2/24

Right Out: 4114.155+/-0.870 χ^2/NDF: 3028979.8/26

Left In: 4290.404+/-0.723 χ^2/NDF:1213970.5/22

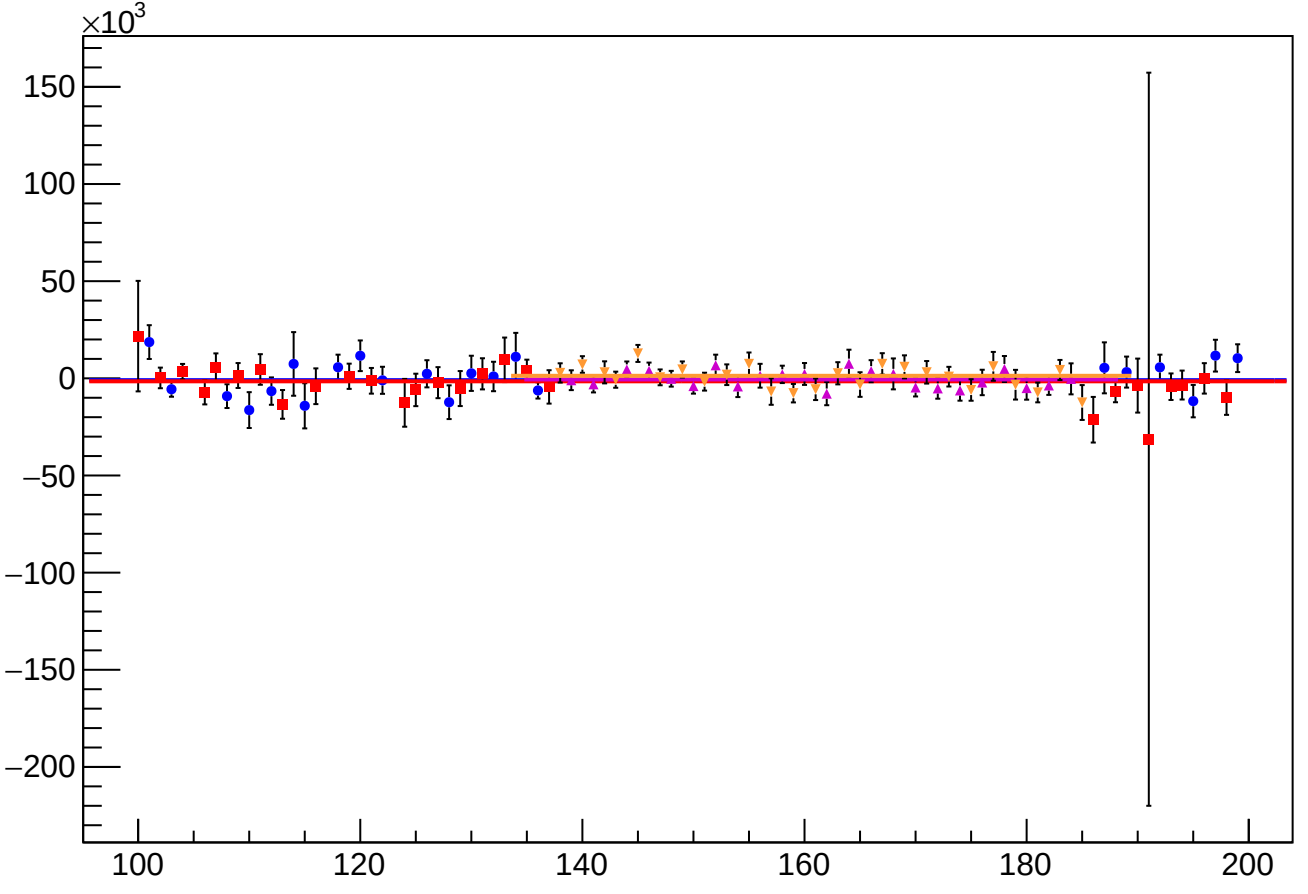
Left: 4275.296+/-0.503 χ^2/NDF: 2405380.8/47

Right: 4226.430+/-0.644 χ^2/NDF: 5160476.9/48

In: 4316.507+/-0.577 χ^2/NDF:3312260.5/44

Out: 4203.371+/-0.545 χ^2/NDF:4236866.0/51

All: 4256.774+/-0.396 χ^2/NDF: 7569436.0/96



Right In: -935.405+/-1521.247 χ^2/NDF: 29.7/21

Left Out: 1298.373+/-1049.555 χ^2/NDF:28.5/24

Right Out: -1537.479+/-1427.003 χ^2/NDF: 16.1/26

Left In: -576.442+/-1082.127 χ^2/NDF:14.4/22

Left: 389.606+/-753.400 χ^2/NDF: 44.4/47

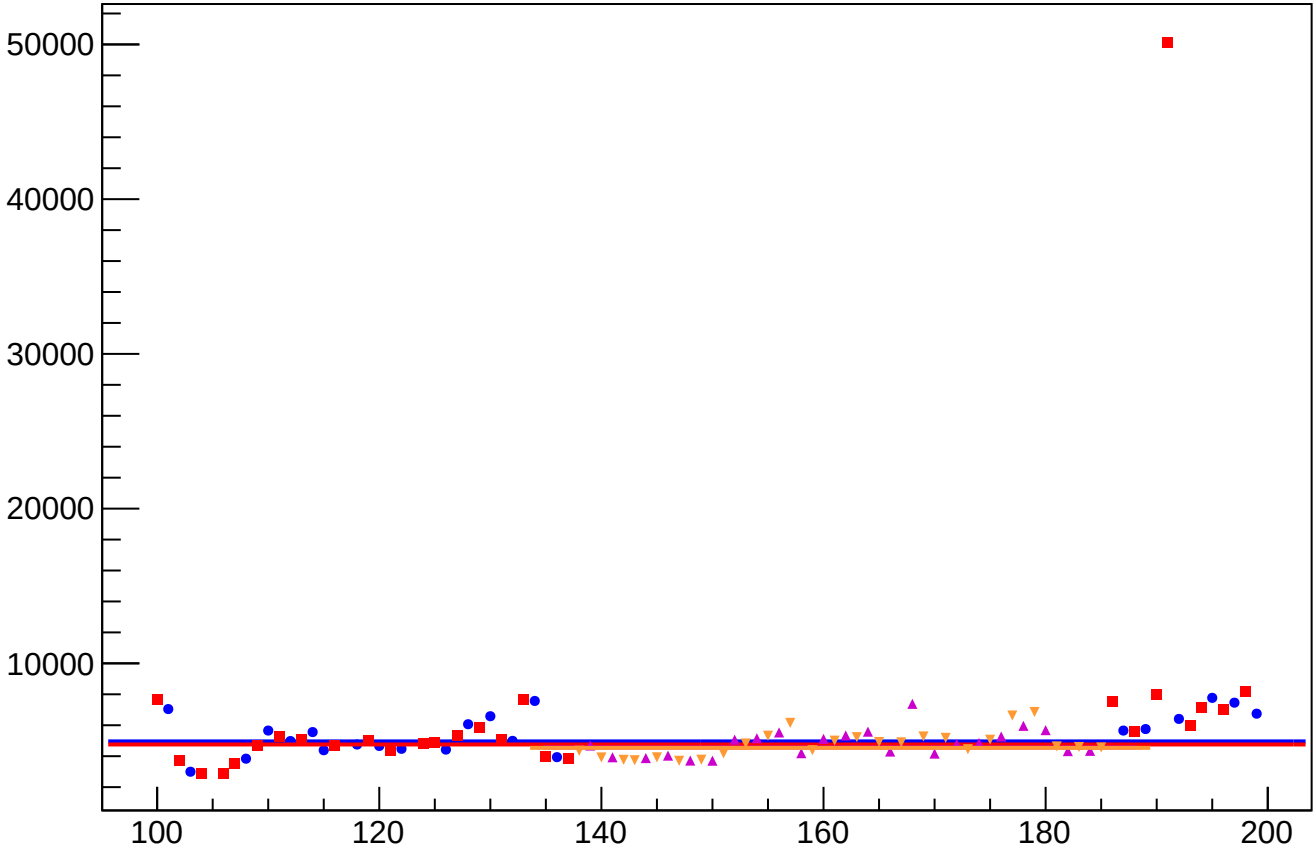
Right: -1255.668+/-1040.767 χ^2/NDF: 45.9/48

In: -697.051+/-881.789 χ^2/NDF:44.2/44

Out: 302.843+/-845.494 χ^2/NDF:47.2/51

All: -176.102+/-610.282 χ^2/NDF: 92.0/96

asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 4956.171+/-1.076 χ^2/NDF: 1715885.1/21

Left Out: 4537.934+/-0.742 χ^2/NDF:992905.4/24

Right Out: 4757.089+/-1.003 χ^2/NDF: 2198668.1/26

Left In: 4560.506+/-0.765 χ^2/NDF:980201.3/22

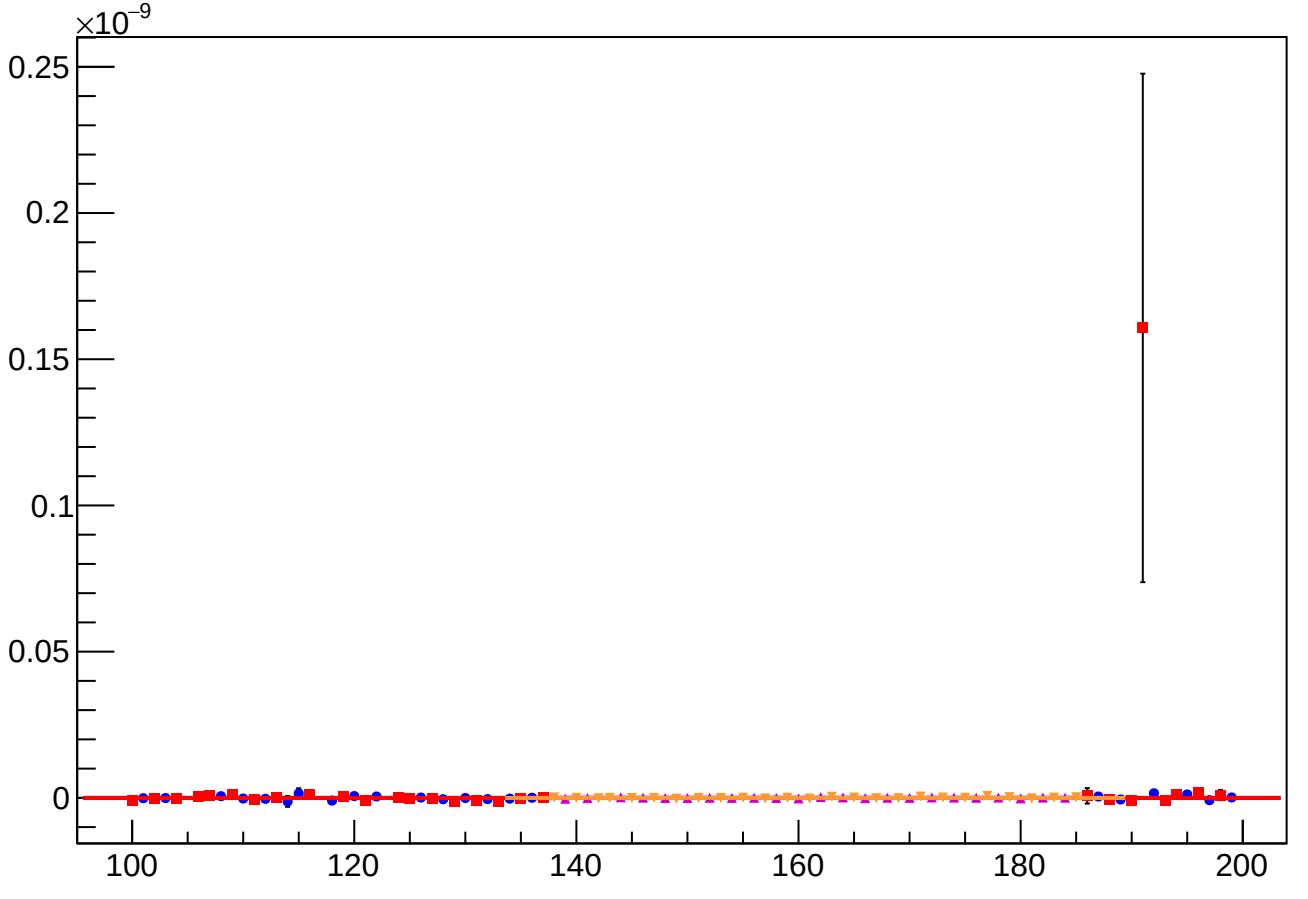
Left: 4548.875+/-0.533 χ^2/NDF: 1973555.1/47

Right: 4849.643+/-0.733 χ^2/NDF: 3932881.7/48

In: 4693.447+/-0.624 χ^2/NDF:2785924.0/44

Out: 4615.504+/-0.597 χ^2/NDF:3222438.2/51

All: 4652.751+/-0.431 χ^2/NDF: 6016521.0/96



Right In: -0.000+/-0.000 χ^2/NDF: 18.0/21

Left Out: -0.000+/-0.000 χ^2/NDF:37.9/24

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

Left In: 0.000+/-0.000 χ^2/NDF:20.6/22

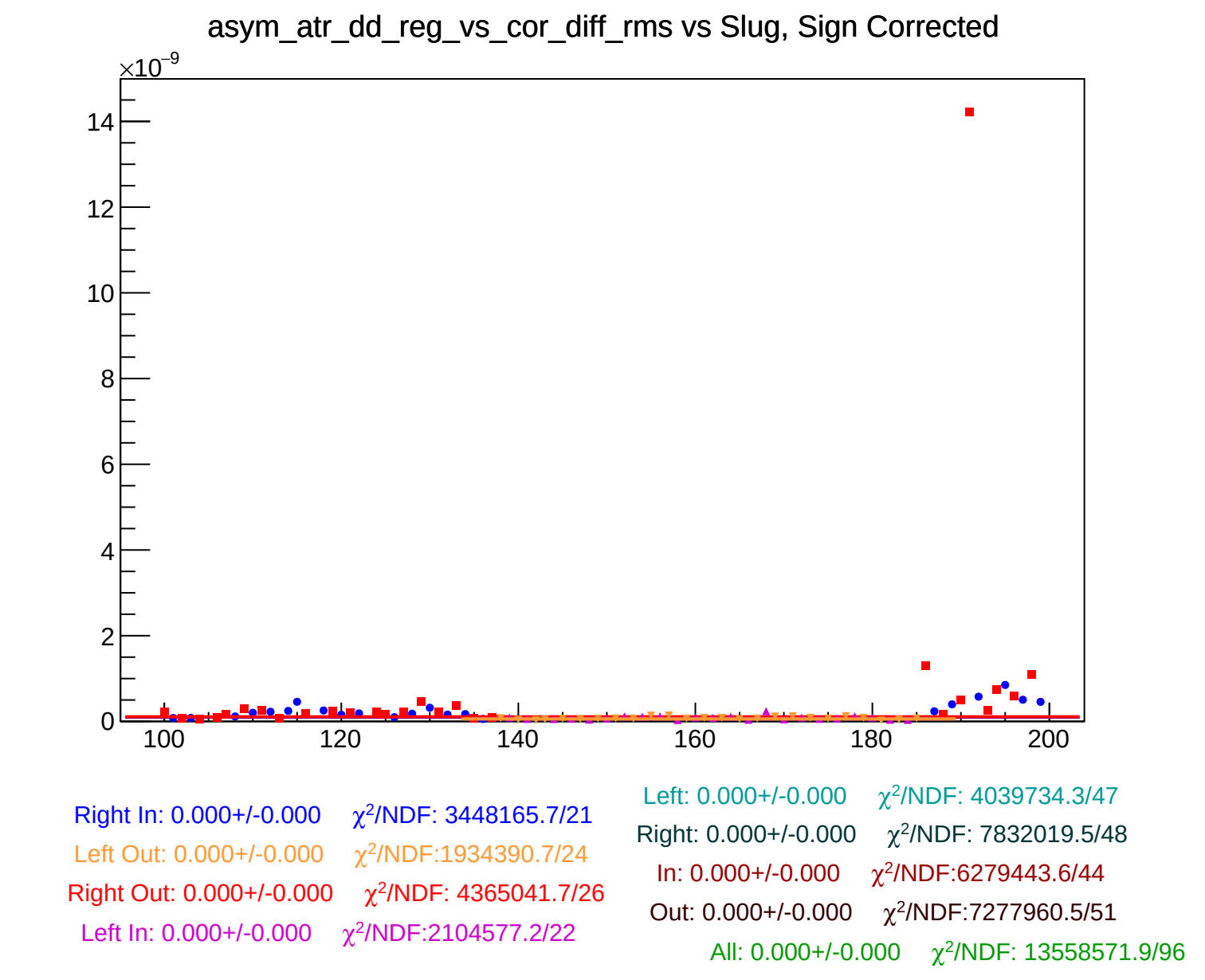
Left: -0.000+/-0.000 χ^2/NDF: 60.1/47

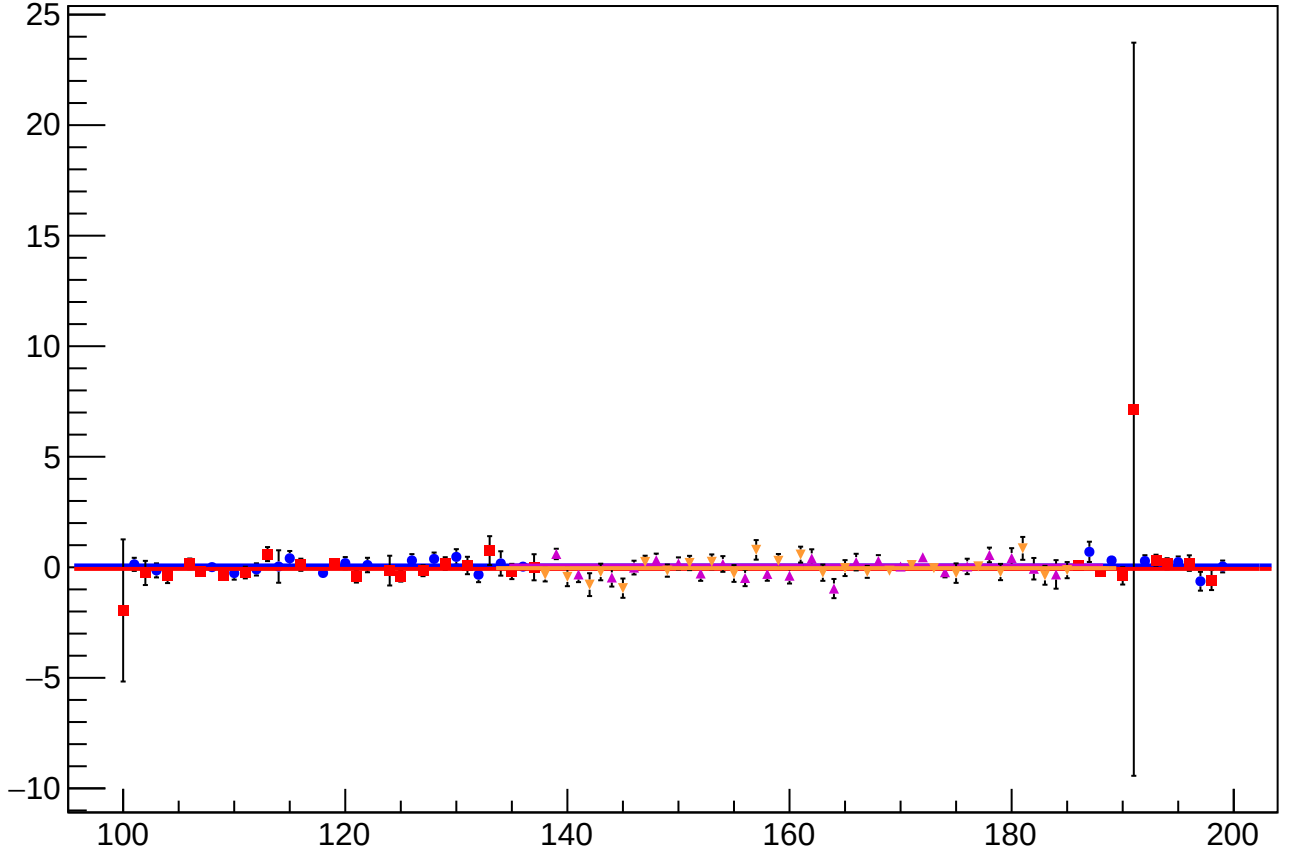
Right: -0.000+/-0.000 χ^2/NDF: 52.2/48

In: 0.000+/-0.000 χ^2/NDF:38.8/44

Out: -0.000+/-0.000 χ^2/NDF:72.0/51

All: -0.000+/-0.000 χ^2/NDF: 112.6/96


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: 3448165.7/21
Left Out: 0.000+/-0.000 χ²/NDF:1934390.7/24
Right Out: 0.000+/-0.000 χ²/NDF: 4365041.7/26
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: 7832019.5/48
In: 0.000+/-0.000 χ²/NDF:6279443.6/44
Out: 0.000+/-0.000 χ²/NDF:7277960.5/51
All: 0.000+/-0.000 χ²/NDF: 13558571.9/96



Right In: 0.083+/-0.060 χ^2/NDF: 17.9/21

Left Out: -0.038+/-0.062 χ^2/NDF:24.4/24

Right Out: -0.073+/-0.054 χ^2/NDF: 24.7/26

Left In: 0.078+/-0.065 χ^2/NDF:31.1/22

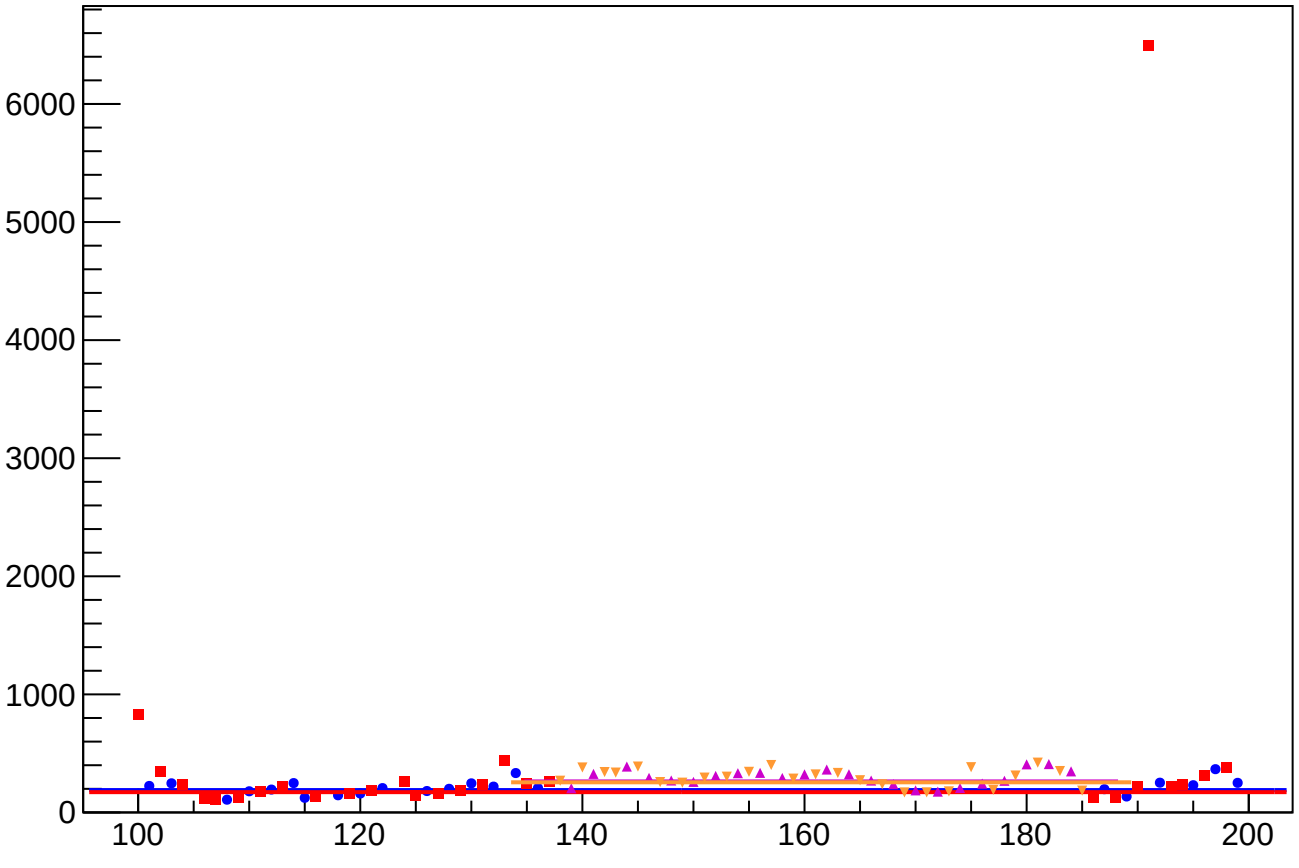
Left: 0.017+/-0.045 χ^2/NDF: 57.2/47

Right: -0.003+/-0.040 χ^2/NDF: 46.4/48

In: 0.081+/-0.044 χ^2/NDF:49.0/44

Out: -0.058+/-0.041 χ^2/NDF:49.3/51

All: 0.006+/-0.030 χ^2/NDF: 103.7/96



Right In: 189.609+/-0.042 χ^2/NDF: 1728434.9/21

Left Out: 255.355+/-0.044 χ^2/NDF:2935324.6/24

Right Out: 171.965+/-0.038 χ^2/NDF: 2995043.0/26

Left In: 262.788+/-0.046 χ^2/NDF:2025363.4/22

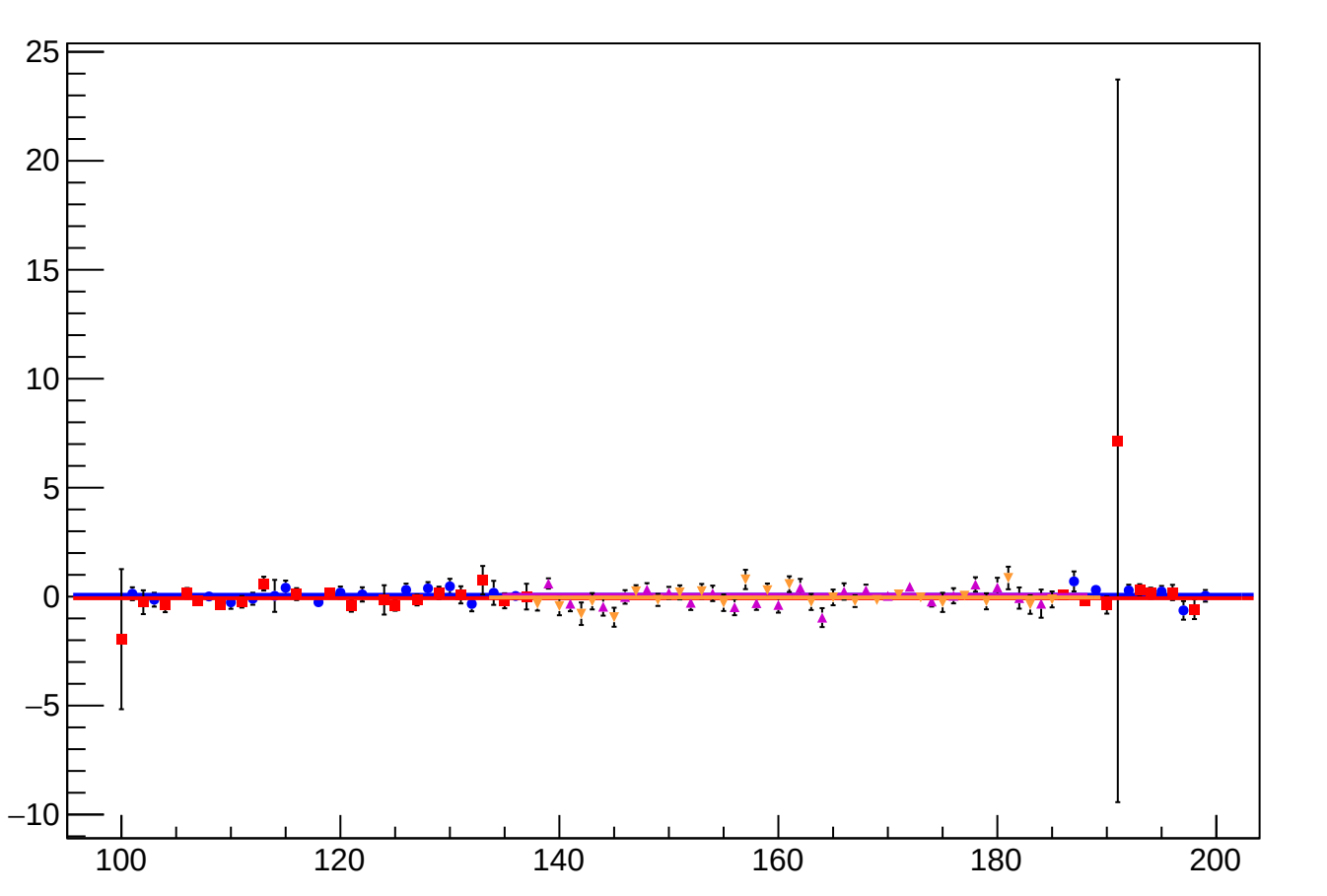
Left: 258.898+/-0.032 χ^2/NDF: 4974421.6/47

Right: 179.864+/-0.028 χ^2/NDF: 4820096.8/48

In: 223.134+/-0.031 χ^2/NDF:5132290.9/44

Out: 207.769+/-0.029 χ^2/NDF:8000153.9/51

All: 214.845+/-0.021 χ^2/NDF: 13264509.2/96



Right In: 0.083+/-0.060 χ^2/NDF: 17.9/21

Left Out: -0.038+/-0.062 χ^2/NDF:24.4/24

Right Out: -0.073+/-0.054 χ^2/NDF: 24.7/26

Left In: 0.078+/-0.065 χ^2/NDF:31.1/22

Left: 0.017+/-0.045 χ^2/NDF: 57.2/47

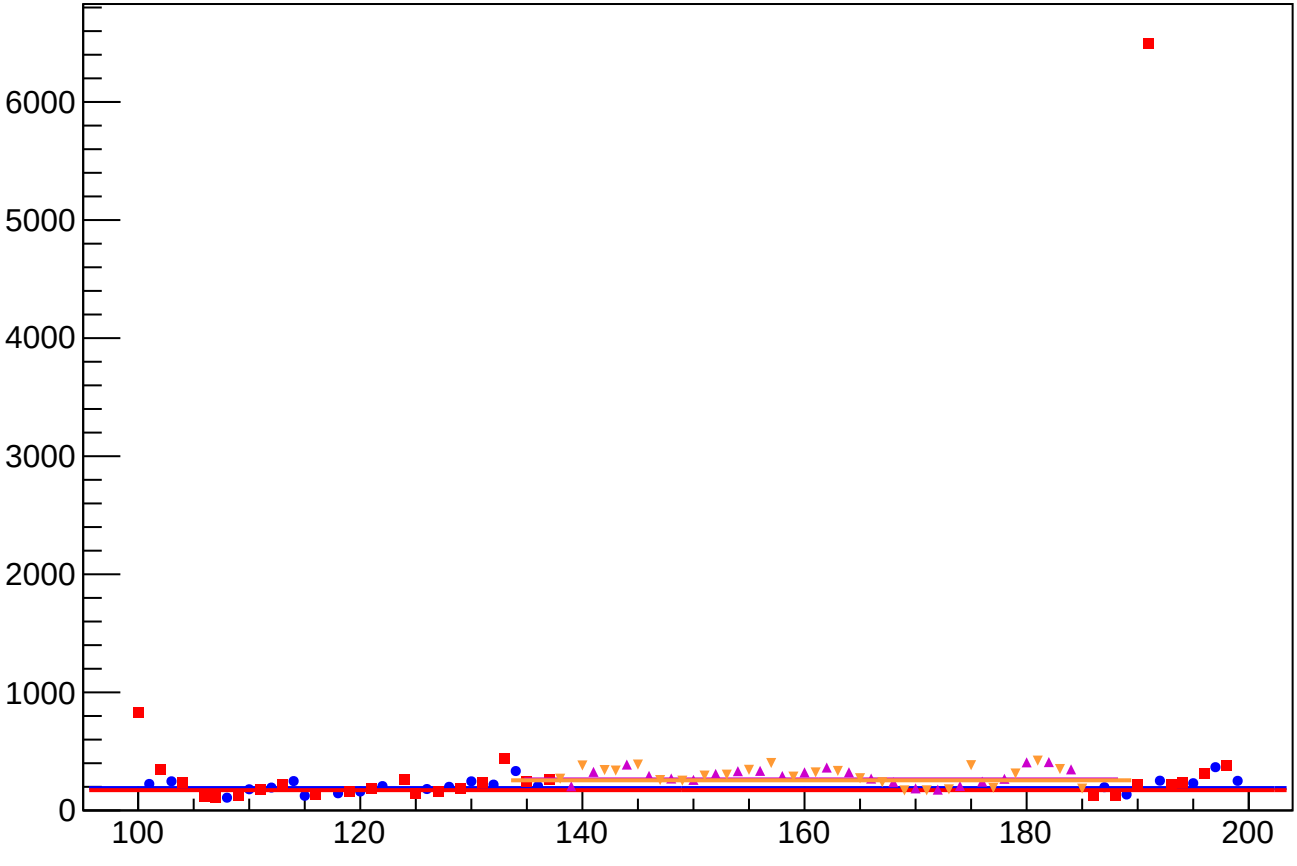
Right: -0.003+/-0.040 χ^2/NDF: 46.4/48

In: 0.081+/-0.044 χ^2/NDF:49.0/44

Out: -0.058+/-0.041 χ^2/NDF:49.3/51

All: 0.006+/-0.030 χ^2/NDF: 103.7/96

asym_atr_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 189.609+/-0.042 χ^2/NDF: 1728434.9/21

Left Out: 255.355+/-0.044 χ^2/NDF:2935324.6/24

Right Out: 171.965+/-0.038 χ^2/NDF: 2995043.0/26

Left In: 262.788+/-0.046 χ^2/NDF:2025363.4/22

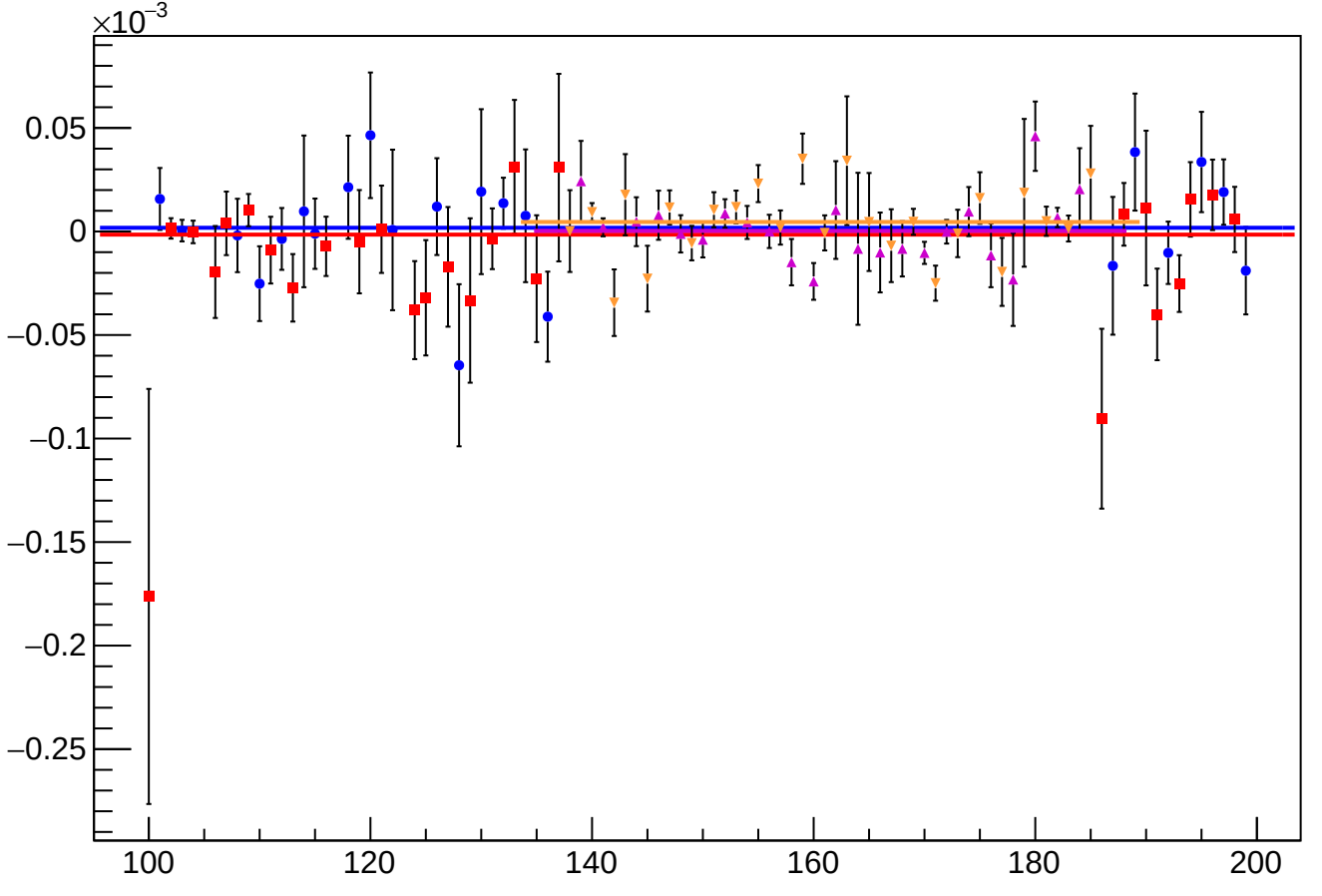
Left: 258.898+/-0.032 χ^2/NDF: 4974421.6/47

Right: 179.864+/-0.028 χ^2/NDF: 4820096.8/48

In: 223.134+/-0.031 χ^2/NDF:5132290.9/44

Out: 207.769+/-0.029 χ^2/NDF:8000153.9/51

All: 214.845+/-0.021 χ^2/NDF: 13264509.2/96



Right In: 0.000+/-0.000 χ^2/NDF: 20.8/21

Left Out: 0.000+/-0.000 χ^2/NDF:43.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 29.1/26

Left In: 0.000+/-0.000 χ^2/NDF:31.2/22

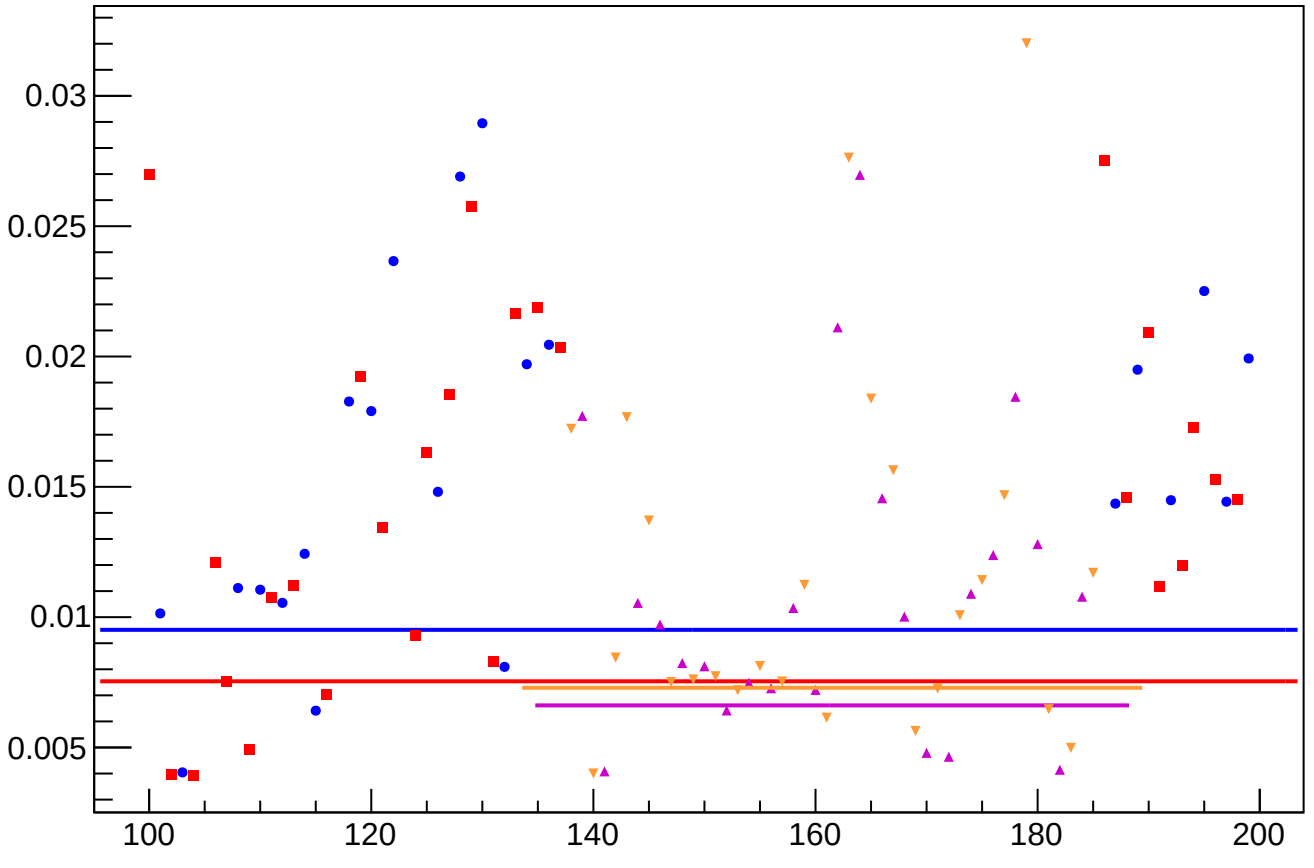
Left: 0.000+/-0.000 χ^2/NDF: 77.4/47

Right: -0.000+/-0.000 χ^2/NDF: 50.6/48

In: 0.000+/-0.000 χ^2/NDF:52.2/44

Out: 0.000+/-0.000 χ^2/NDF:76.2/51

All: 0.000+/-0.000 χ^2/NDF: 129.1/96



Right In: 0.010+/-0.000 χ^2/NDF: 6477184.8/21

Left Out: 0.007+/-0.000 χ^2/NDF:6772003.6/24

Right Out: 0.008+/-0.000 χ^2/NDF: 7772890.7/26

Left In: 0.007+/-0.000 χ^2/NDF:6410135.0/22

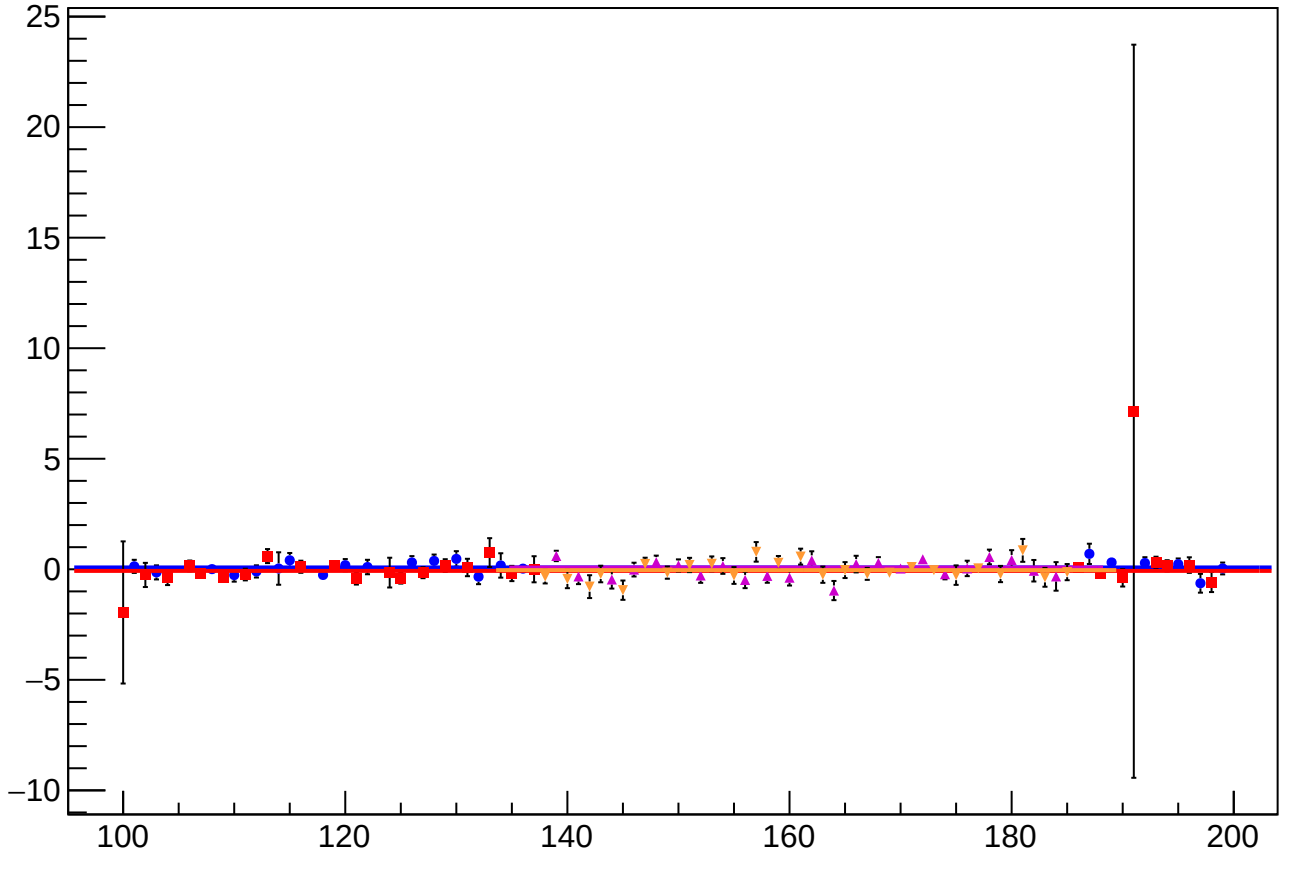
Left: 0.007+/-0.000 χ^2/NDF: 13317745.0/47

Right: 0.008+/-0.000 χ^2/NDF: 14679483.1/48

In: 0.007+/-0.000 χ^2/NDF:14030088.3/44

Out: 0.007+/-0.000 χ^2/NDF:14556911.0/51

All: 0.007+/-0.000 χ^2/NDF: 28593620.5/96



Right In: 0.083+/-0.060 χ^2/NDF: 17.9/21

Left Out: -0.038+/-0.062 χ^2/NDF:24.4/24

Right Out: -0.073+/-0.054 χ^2/NDF: 24.7/26

Left In: 0.078+/-0.065 χ^2/NDF:31.1/22

Left: 0.017+/-0.045 χ^2/NDF: 57.2/47

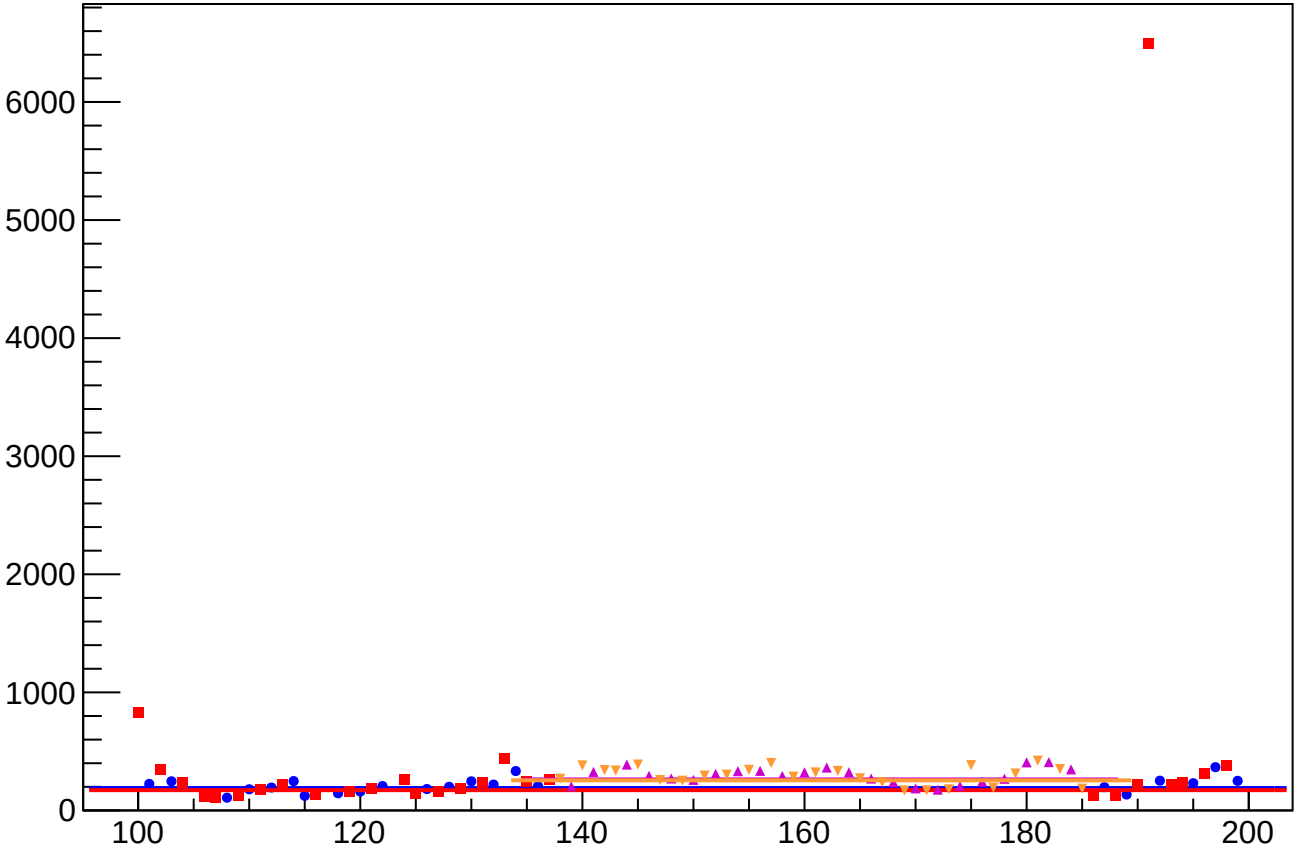
Right: -0.003+/-0.040 χ^2/NDF: 46.4/48

In: 0.081+/-0.044 χ^2/NDF:49.0/44

Out: -0.058+/-0.041 χ^2/NDF:49.3/51

All: 0.006+/-0.030 χ^2/NDF: 103.7/96

asym_atr_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 189.609+/-0.042 χ^2/NDF: 1728431.6/21

Left Out: 255.357+/-0.044 χ^2/NDF:2935428.4/24

Right Out: 171.966+/-0.038 χ^2/NDF: 2994981.7/26

Left In: 262.790+/-0.046 χ^2/NDF:2025402.0/22

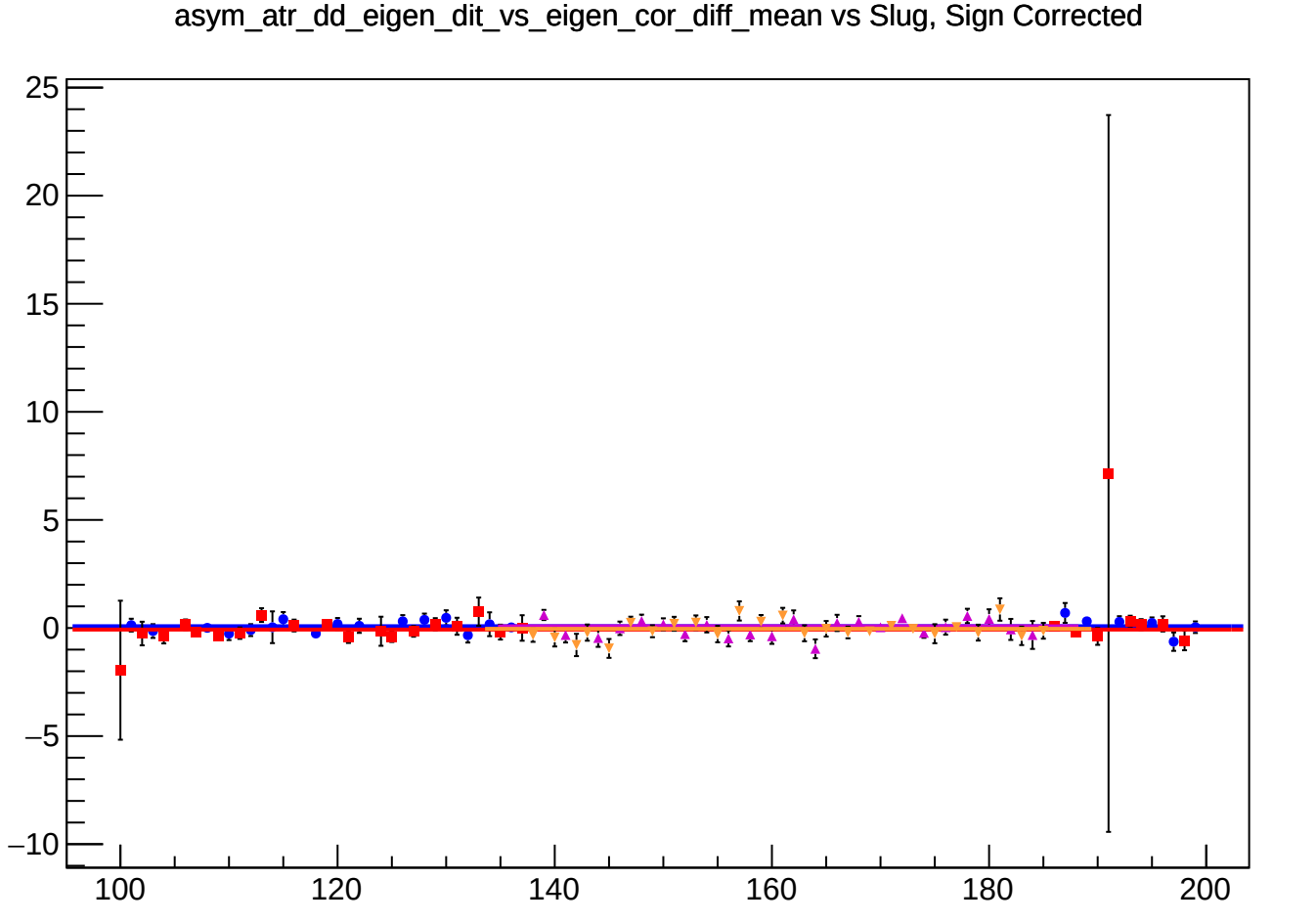
Left: 258.900+/-0.032 χ^2/NDF: 4974565.9/47

Right: 179.865+/-0.028 χ^2/NDF: 4820014.8/48

In: 223.134+/-0.031 χ^2/NDF:5132417.6/44

Out: 207.771+/-0.029 χ^2/NDF:8000195.4/51

All: 214.846+/-0.021 χ^2/NDF: 13264660.3/96



Right In: 0.083+/-0.060 χ^2/NDF: 17.9/21

Left Out: -0.038+/-0.062 χ^2/NDF:24.4/24

Right Out: -0.073+/-0.054 χ^2/NDF: 24.7/26

Left In: 0.078+/-0.065 χ^2/NDF:31.1/22

Left: 0.017+/-0.045 χ^2/NDF: 57.2/47

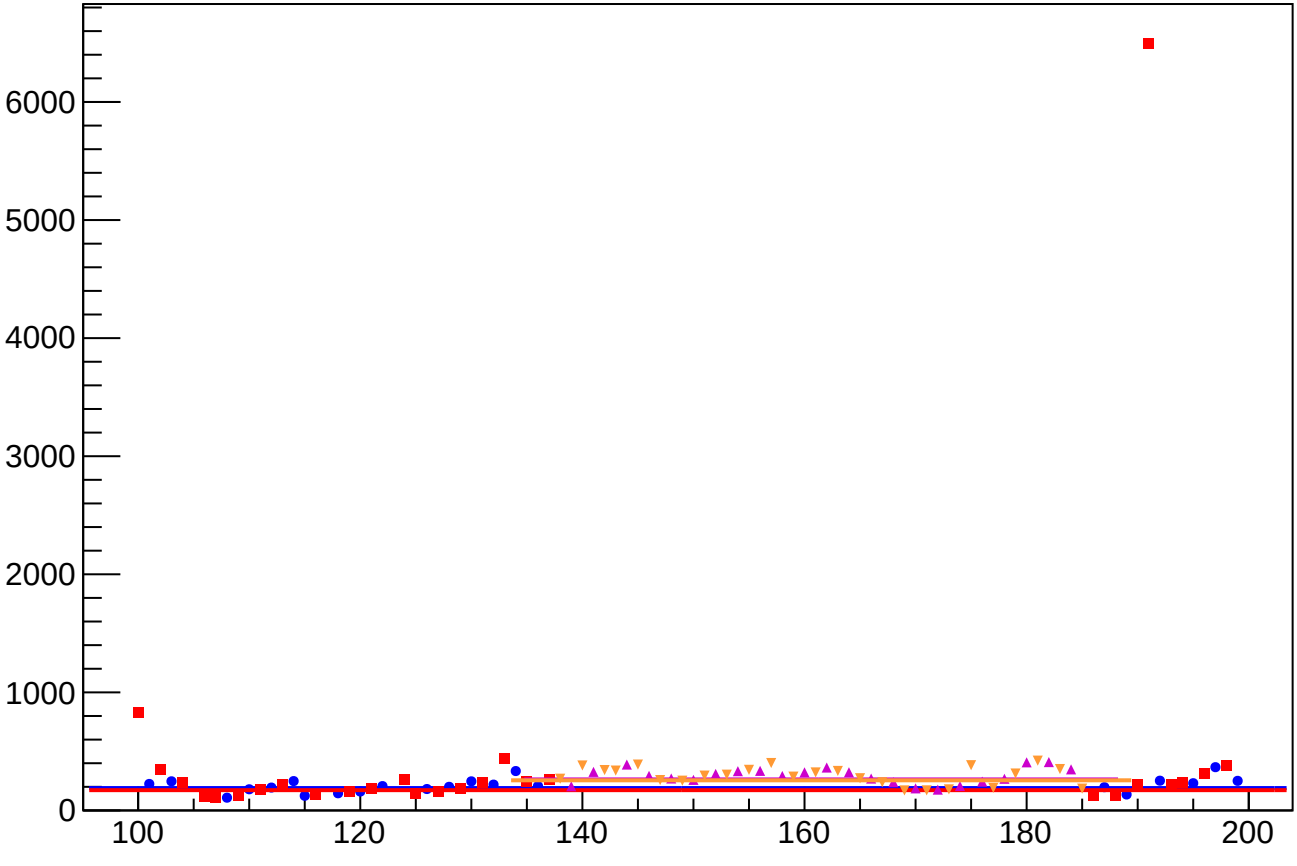
Right: -0.003+/-0.040 χ^2/NDF: 46.4/48

In: 0.081+/-0.044 χ^2/NDF:49.0/44

Out: -0.058+/-0.041 χ^2/NDF:49.3/51

All: 0.006+/-0.030 χ^2/NDF: 103.7/96

asym_atr_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 189.609+/-0.042 χ^2/NDF: 1728431.6/21

Left Out: 255.357+/-0.044 χ^2/NDF:2935428.4/24

Right Out: 171.966+/-0.038 χ^2/NDF: 2994981.7/26

Left In: 262.790+/-0.046 χ^2/NDF:2025402.0/22

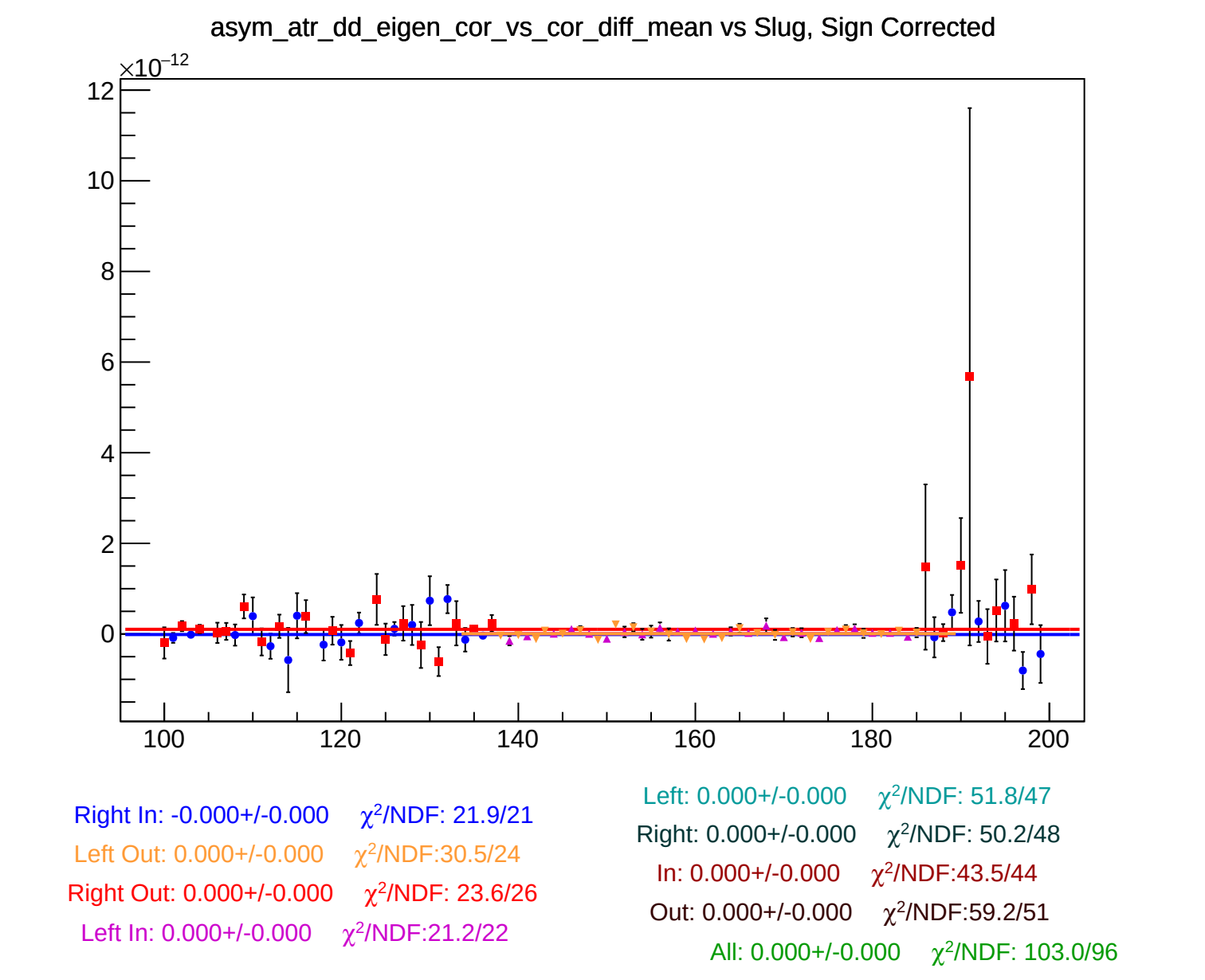
Left: 258.900+/-0.032 χ^2/NDF: 4974565.9/47

Right: 179.865+/-0.028 χ^2/NDF: 4820014.8/48

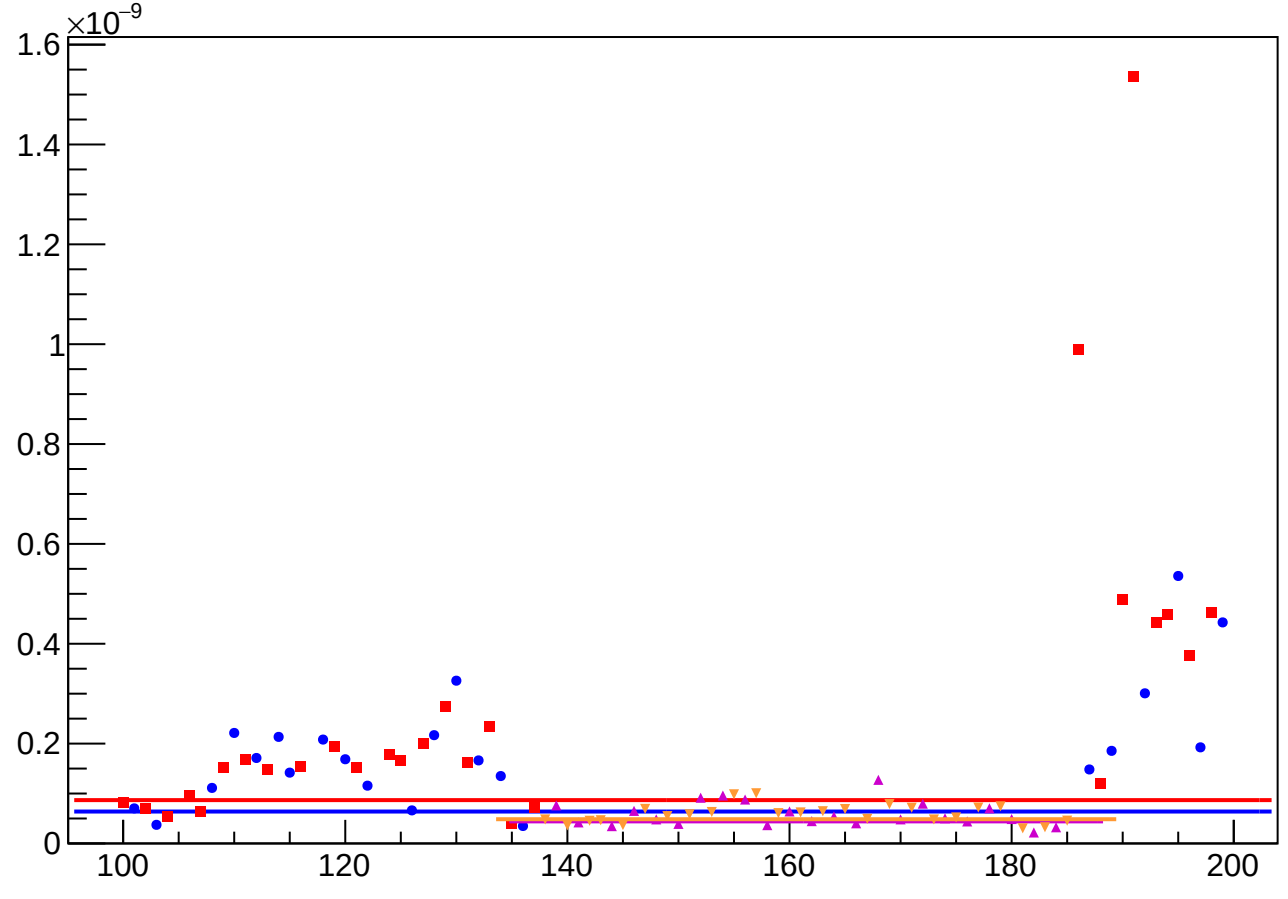
In: 223.134+/-0.031 χ^2/NDF:5132417.6/44

Out: 207.771+/-0.029 χ^2/NDF:8000195.4/51

All: 214.846+/-0.021 χ^2/NDF: 13264660.3/96


asym_atr_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
12
10
8
6
4
2
0
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 21.9/21
Left Out: 0.000+/-0.000 χ²/NDF:30.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 23.6/26
Left In: 0.000+/-0.000 χ²/NDF:21.2/22
Left: 0.000+/-0.000 χ²/NDF: 51.8/47
Right: 0.000+/-0.000 χ²/NDF: 50.2/48
In: 0.000+/-0.000 χ²/NDF:43.5/44
Out: 0.000+/-0.000 χ²/NDF:59.2/51
All: 0.000+/-0.000 χ²/NDF: 103.0/96

asym_atr_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 5818908.0/21

Left Out: 0.000+/-0.000 χ^2/NDF:2493290.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6020327.7/26

Left In: 0.000+/-0.000 χ^2/NDF:3624474.0/22

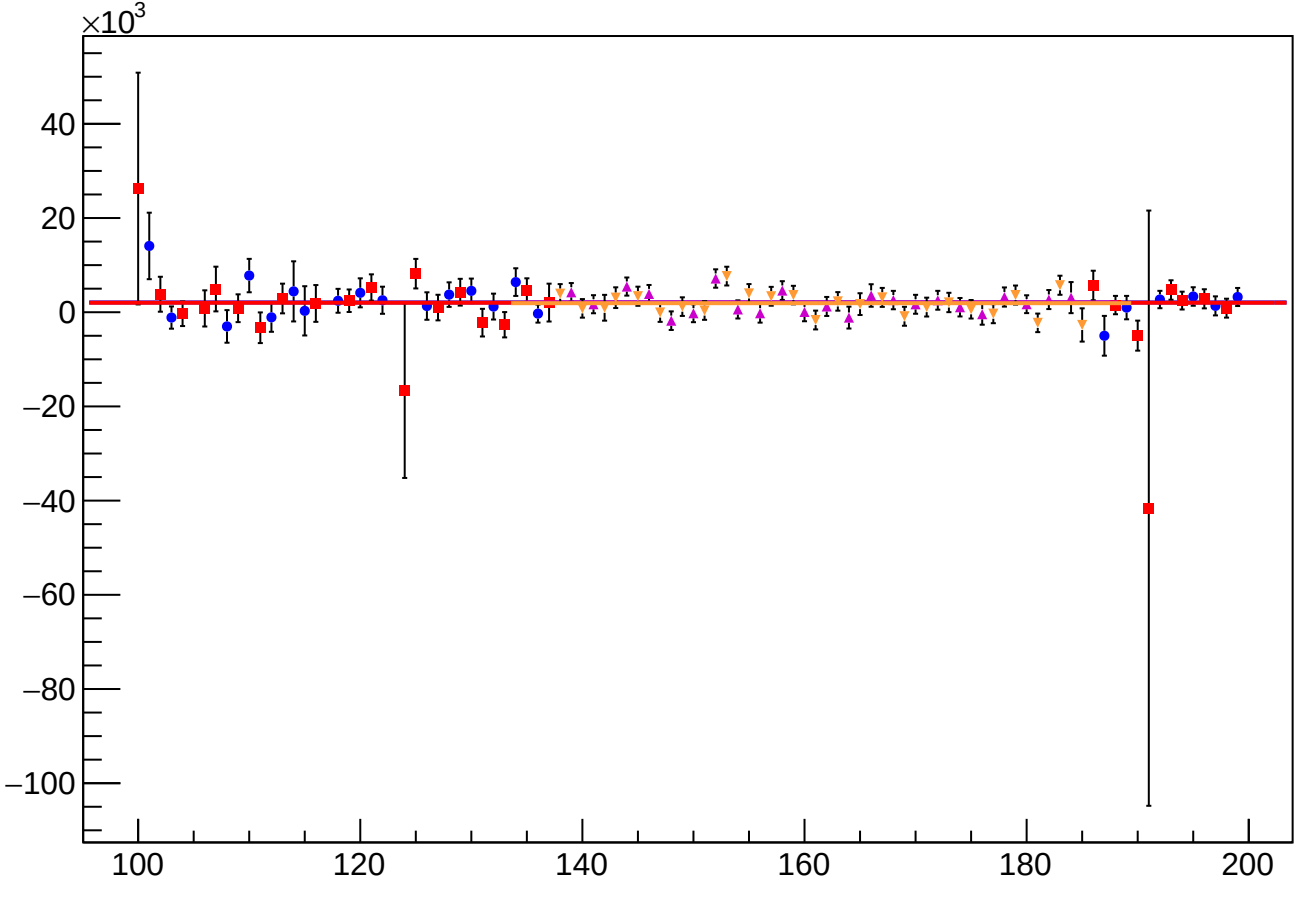
Left: 0.000+/-0.000 χ^2/NDF: 6214196.4/47

Right: 0.000+/-0.000 χ^2/NDF: 12204831.9/48

In: 0.000+/-0.000 χ^2/NDF:10001388.3/44

Out: 0.000+/-0.000 χ^2/NDF:10086802.3/51

All: 0.000+/-0.000 χ^2/NDF: 20283164.9/96



Right In: 2077.309+/-565.057 χ^2/NDF: 20.5/21

Left Out: 1920.623+/-412.915 χ^2/NDF:32.5/24

Right Out: 2015.377+/-549.601 χ^2/NDF: 27.5/26

Left In: 2074.205+/-423.203 χ^2/NDF:26.5/22

Left: 1995.525+/-295.545 χ^2/NDF: 59.1/47

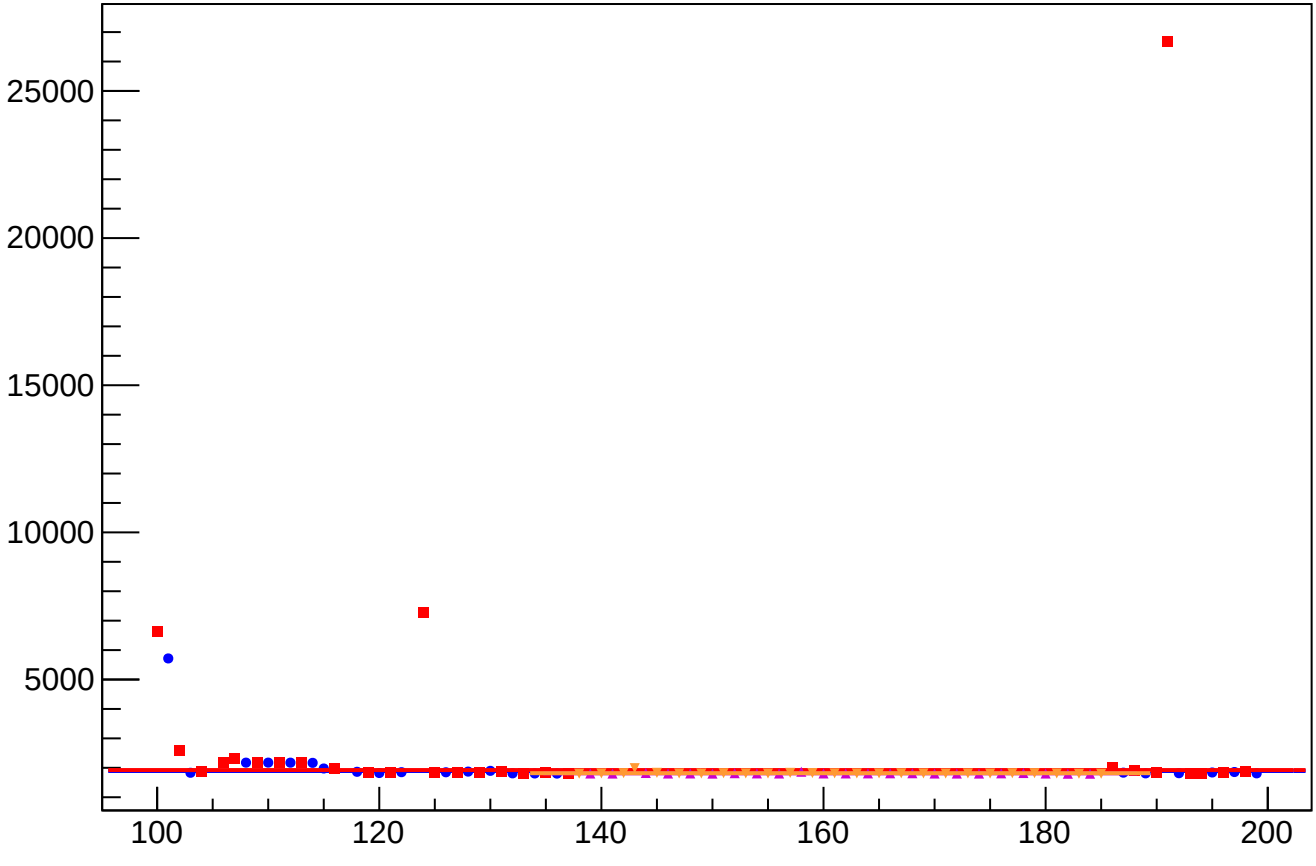
Right: 2045.484+/-393.977 χ^2/NDF: 48.0/48

In: 2075.321+/-338.732 χ^2/NDF:47.0/44

Out: 1954.810+/-330.126 χ^2/NDF:60.1/51

All: 2013.515+/-236.418 χ^2/NDF: 107.1/96

reg_asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 1892.553+/-0.400 χ^2/NDF: 656840.7/21

Left Out: 1817.524+/-0.292 χ^2/NDF:12955.2/24

Right Out: 1923.598+/-0.389 χ^2/NDF: 717804.0/26

Left In: 1812.545+/-0.299 χ^2/NDF:2013.0/22

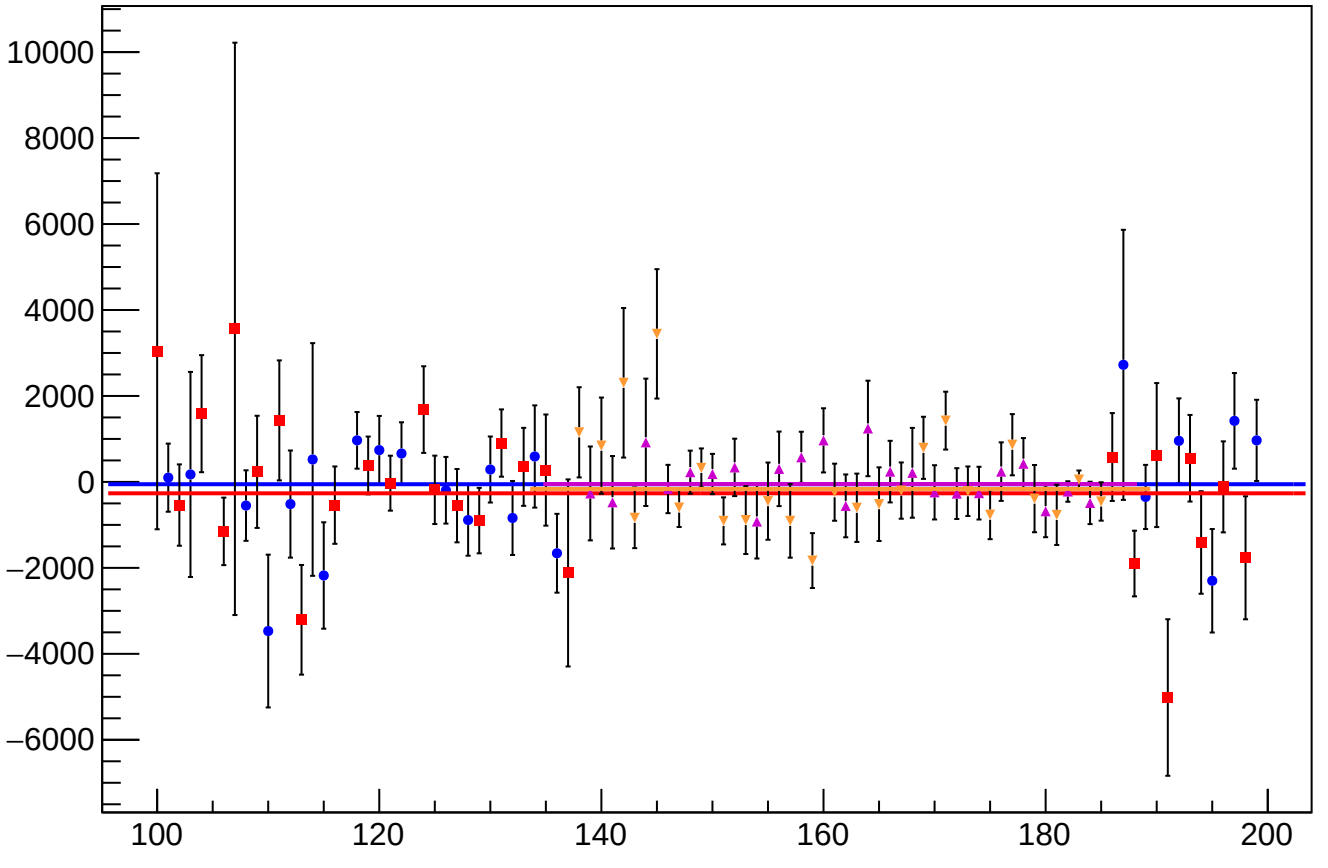
Left: 1815.096+/-0.209 χ^2/NDF: 15110.1/47

Right: 1908.506+/-0.279 χ^2/NDF: 1377746.9/48

In: 1841.296+/-0.240 χ^2/NDF:684541.7/44

Out: 1855.795+/-0.233 χ^2/NDF:778379.0/51

All: 1848.732+/-0.167 χ^2/NDF: 1464799.9/96



Right In: -53.508+/-202.563 χ^2/NDF: 25.4/21

Left Out: -162.996+/-115.295 χ^2/NDF:36.8/24

Right Out: -265.060+/-193.584 χ^2/NDF: 35.5/26

Left In: -49.290+/-122.691 χ^2/NDF:11.3/22

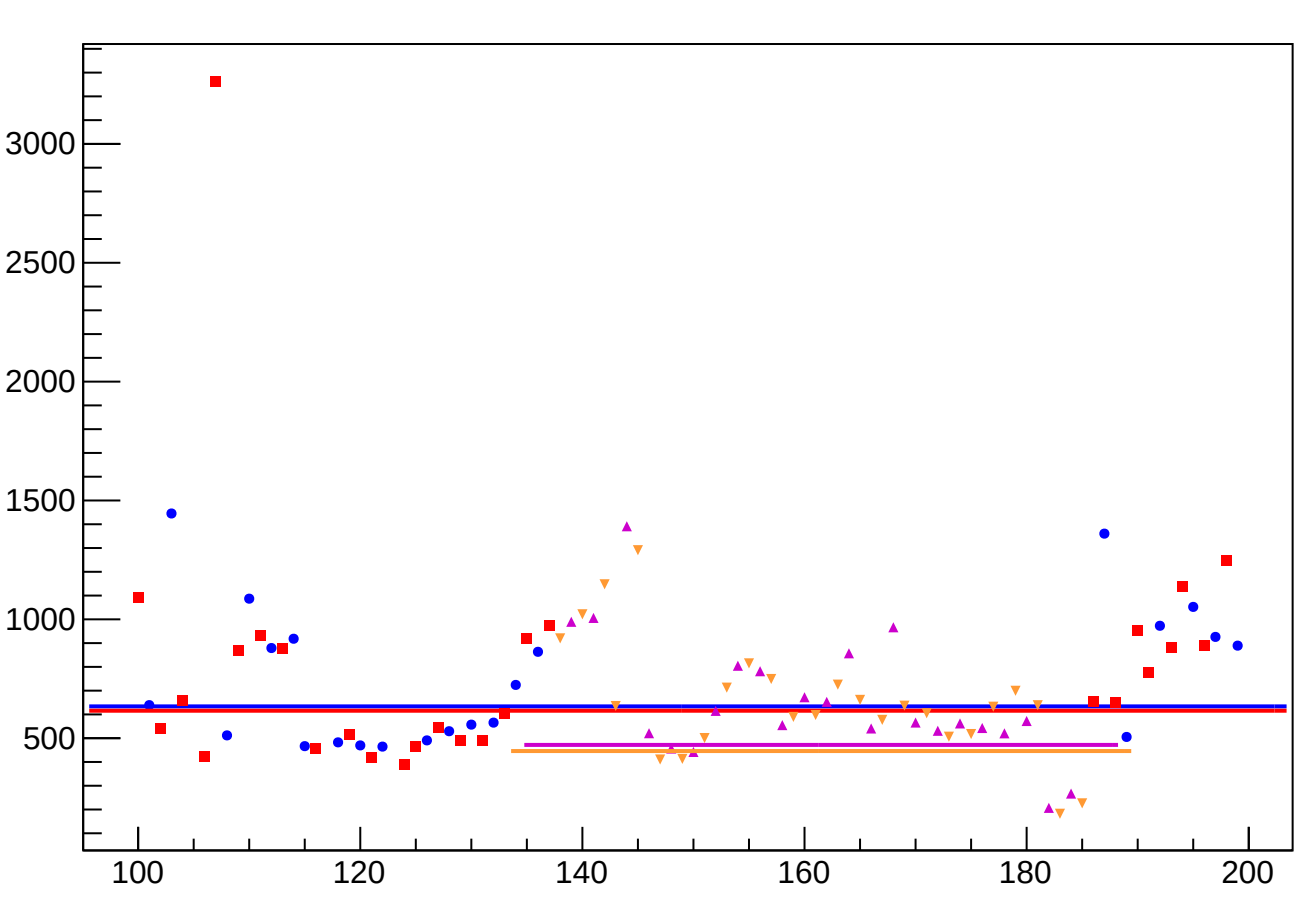
Left: -109.673+/-84.019 χ^2/NDF: 48.6/47

Right: -164.076+/-139.951 χ^2/NDF: 61.4/48

In: -50.422+/-104.942 χ^2/NDF:36.8/44

Out: -189.720+/-99.058 χ^2/NDF:72.5/51

All: -124.086+/-72.035 χ^2/NDF: 110.2/96



Right In: 633.791+/-0.143 χ^2/NDF: 2037962.6/21

Left Out: 445.893+/-0.082 χ^2/NDF:7982455.6/24

Right Out: 615.601+/-0.137 χ^2/NDF: 2636527.8/26

Left In: 471.746+/-0.087 χ^2/NDF:6413905.5/22

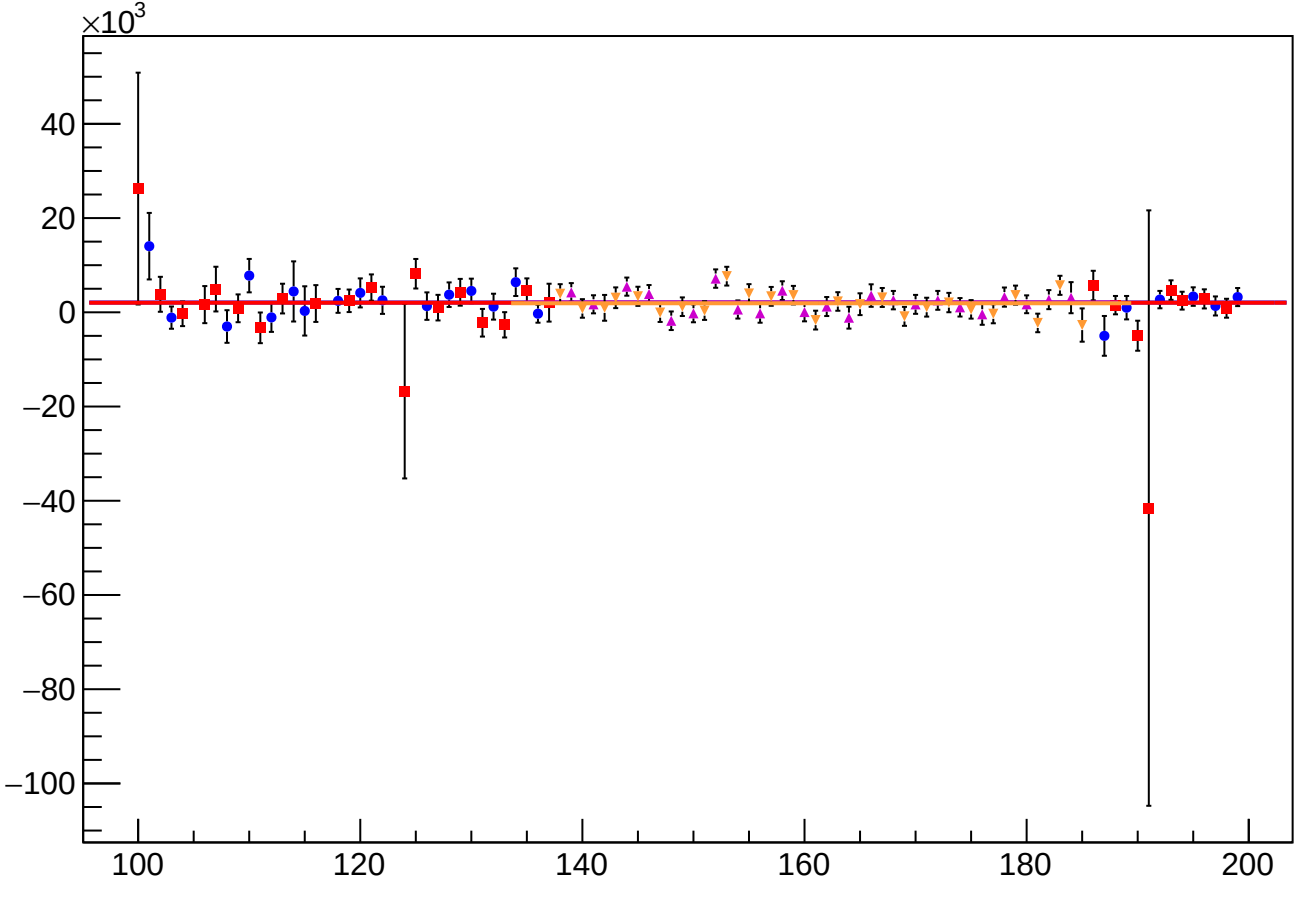
Left: 458.017+/-0.059 χ^2/NDF: 14443518.4/47

Right: 624.284+/-0.099 χ^2/NDF: 4682919.6/48

In: 515.238+/-0.074 χ^2/NDF:9388261.2/44

Out: 490.329+/-0.070 χ^2/NDF:11753595.0/51

All: 502.066+/-0.051 χ^2/NDF: 21201444.5/96



Right In: 2077.159+/-565.057 χ^2/NDF: 20.5/21

Left Out: 1920.588+/-412.915 χ^2/NDF:32.5/24

Right Out: 2032.727+/-549.870 χ^2/NDF: 27.4/26

Left In: 2074.306+/-423.203 χ^2/NDF:26.5/22

Left: 1995.556+/-295.545 χ^2/NDF: 59.1/47

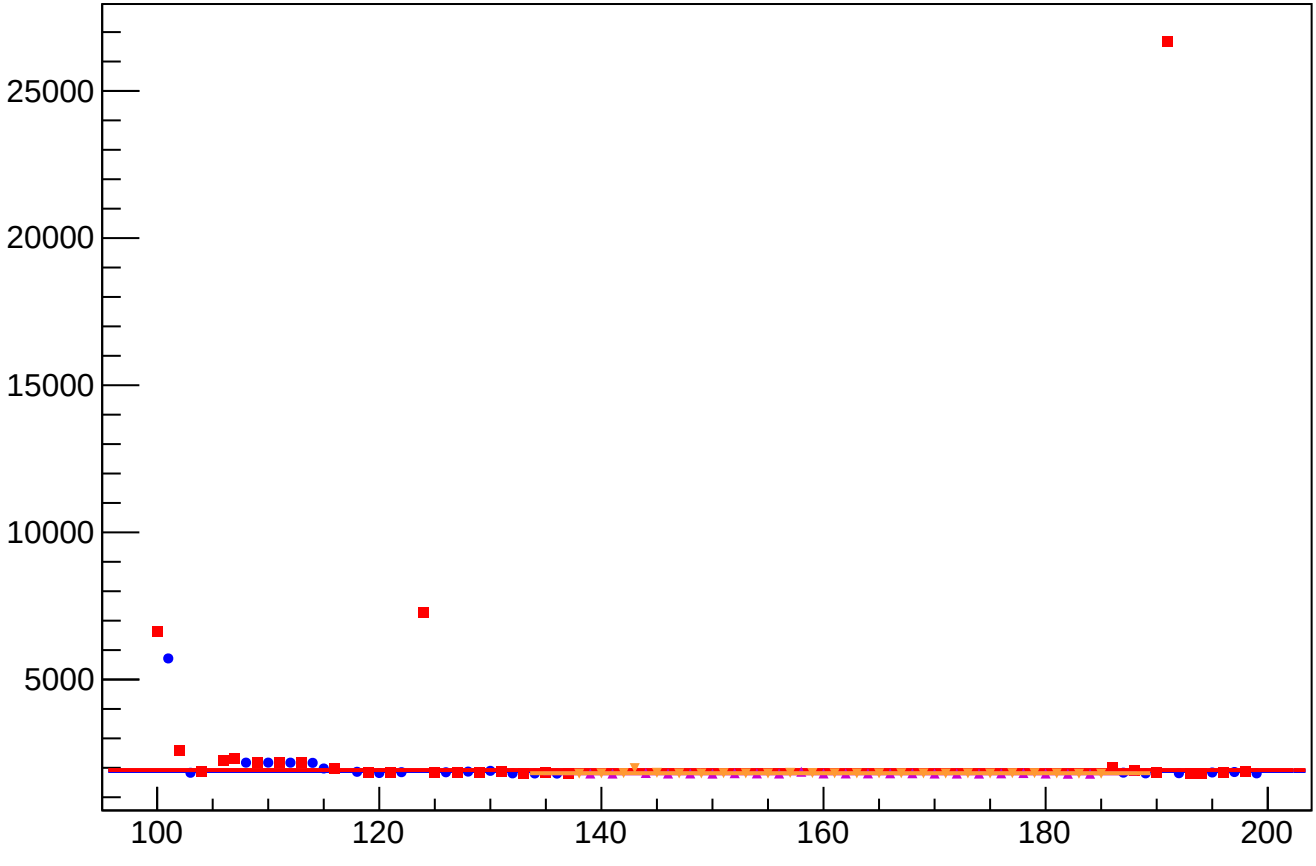
Right: 2054.338+/-394.077 χ^2/NDF: 47.9/48

In: 2075.331+/-338.732 χ^2/NDF:47.0/44

Out: 1961.022+/-330.184 χ^2/NDF:60.0/51

All: 2016.716+/-236.440 χ^2/NDF: 107.0/96

cor_asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 1892.553+/-0.400 χ^2/NDF: 656840.7/21

Left Out: 1817.524+/-0.292 χ^2/NDF:12955.2/24

Right Out: 1924.325+/-0.389 χ^2/NDF: 721190.0/26

Left In: 1812.545+/-0.299 χ^2/NDF:2013.0/22

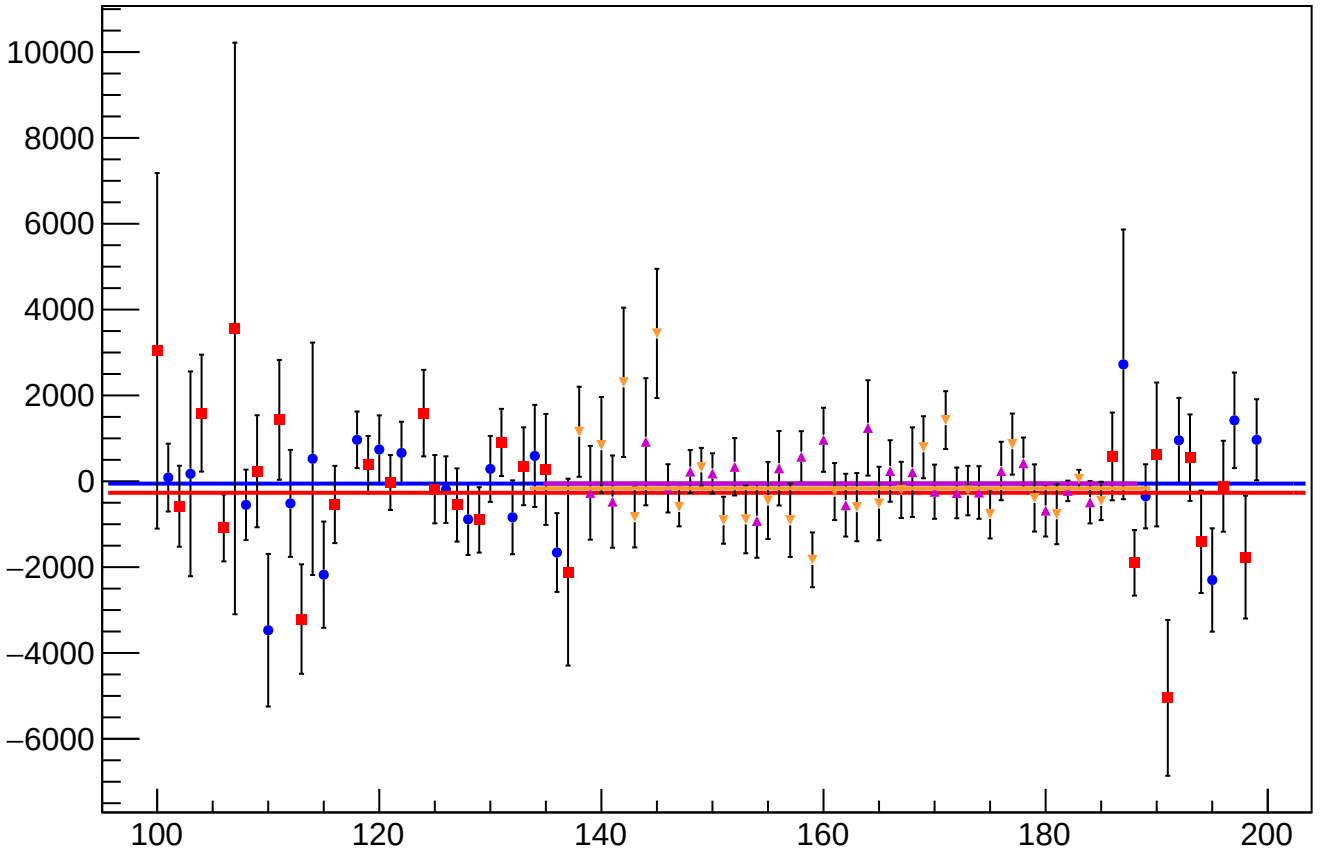
Left: 1815.096+/-0.209 χ^2/NDF: 15110.1/47

Right: 1908.872+/-0.279 χ^2/NDF: 1381278.5/48

In: 1841.296+/-0.240 χ^2/NDF:684541.6/44

Out: 1856.034+/-0.233 χ^2/NDF:782390.0/51

All: 1848.853+/-0.167 χ^2/NDF: 1468872.8/96



Right In: -54.155+/-202.530 χ^2/NDF: 25.4/21

Left Out: -162.911+/-115.291 χ^2/NDF:36.9/24

Right Out: -267.634+/-193.485 χ^2/NDF: 35.1/26

Left In: -49.310+/-122.694 χ^2/NDF:11.3/22

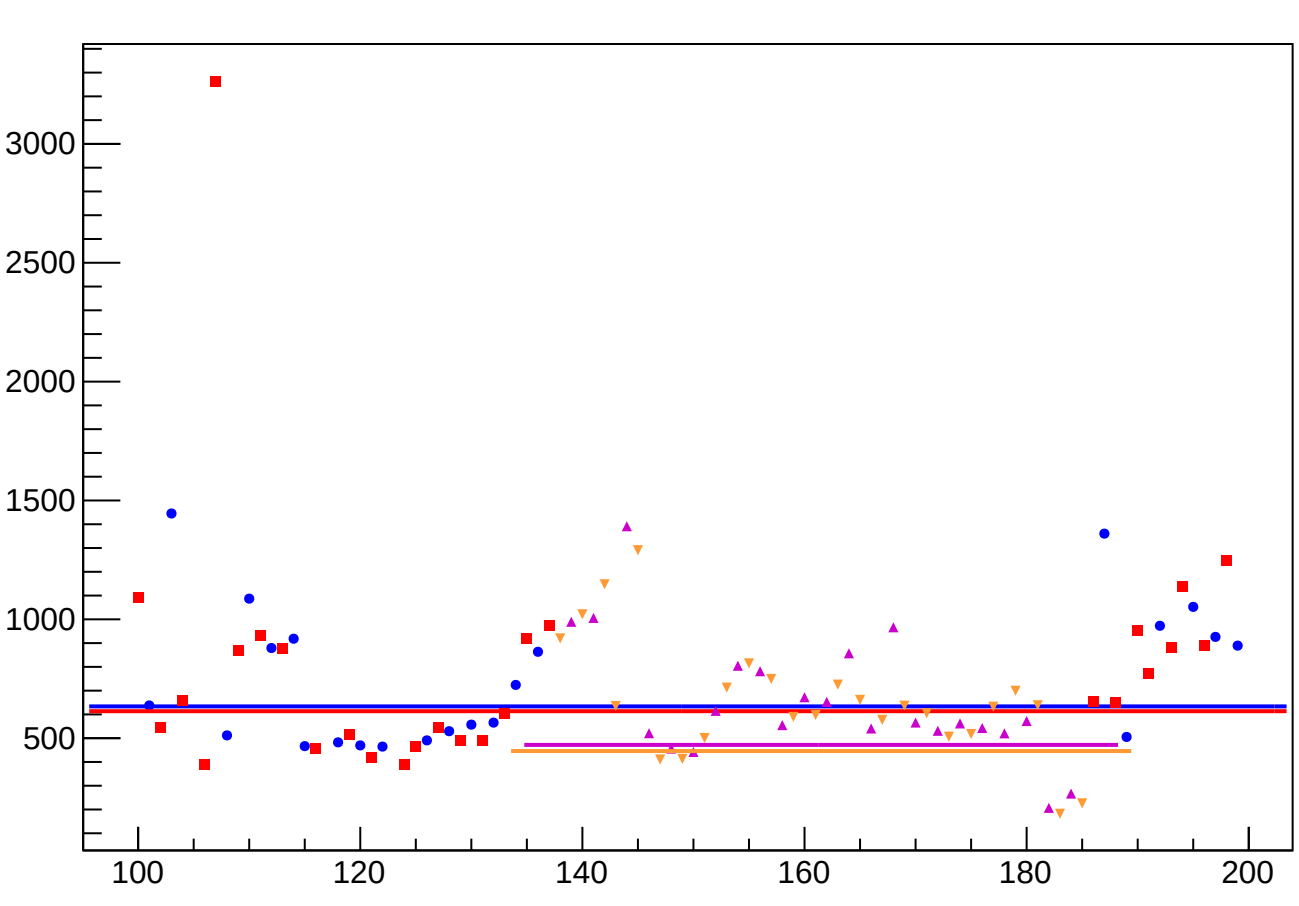
Left: -109.640+/-84.018 χ^2/NDF: 48.6/47

Right: -165.768+/-139.903 χ^2/NDF: 61.1/48

In: -50.610+/-104.939 χ^2/NDF:36.7/44

Out: -190.351+/-99.042 χ^2/NDF:72.2/51

All: -124.518+/-72.028 χ^2/NDF: 109.9/96



Right In: 633.704+/-0.143 χ^2/NDF: 2037989.3/21

Left Out: 445.867+/-0.082 χ^2/NDF:7983869.6/24

Right Out: 613.543+/-0.137 χ^2/NDF: 2682587.4/26

Left In: 471.757+/-0.087 χ^2/NDF:6413685.0/22

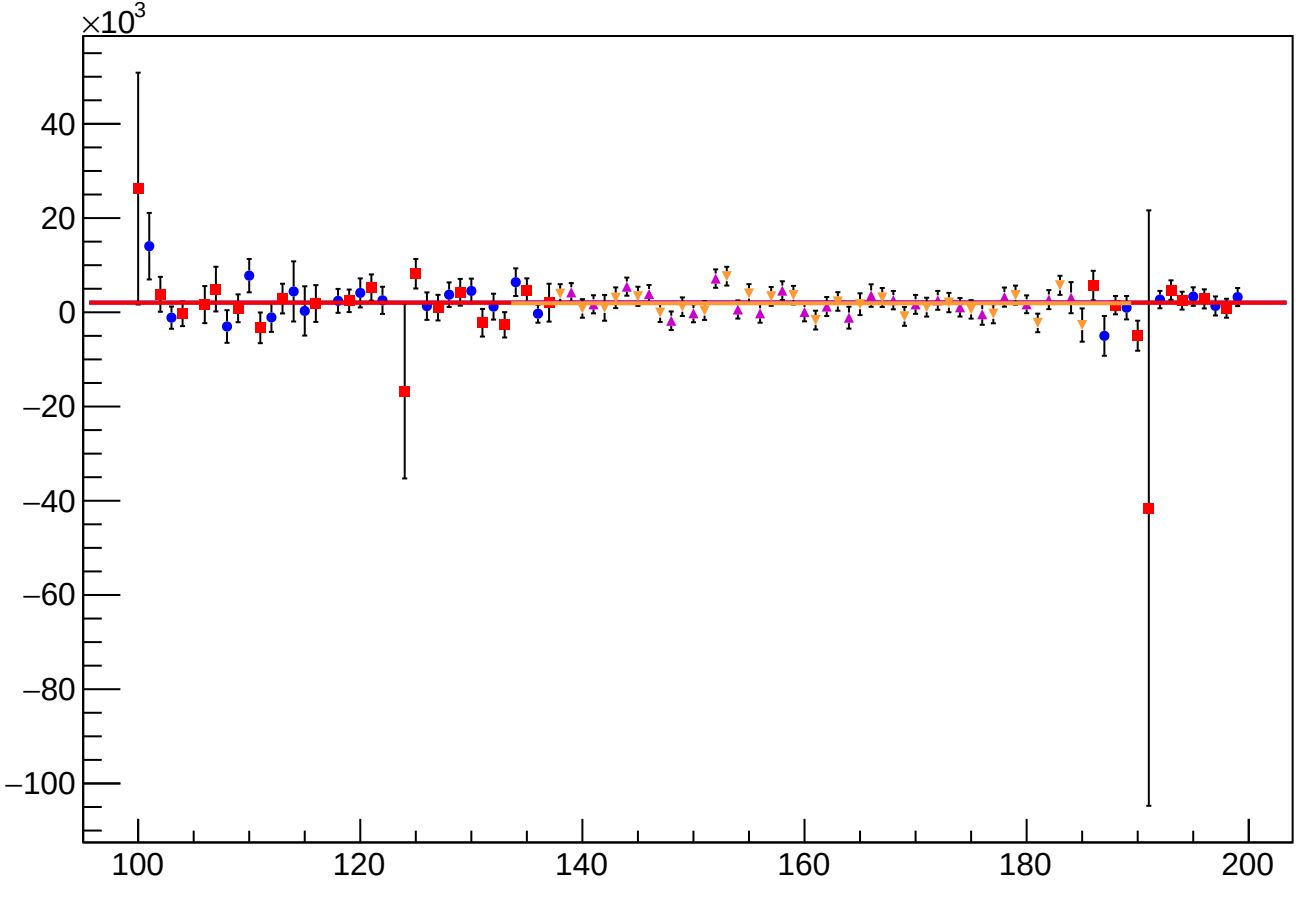
Left: 458.008+/-0.059 χ^2/NDF: 14444849.4/47

Right: 623.163+/-0.099 χ^2/NDF: 4730938.4/48

In: 515.235+/-0.074 χ^2/NDF:9387134.2/44

Out: 489.802+/-0.070 χ^2/NDF:11774911.6/51

All: 501.784+/-0.051 χ^2/NDF: 21224177.0/96



Right In: 2077.159+/-565.057 χ^2/NDF: 20.5/21

Left Out: 1920.588+/-412.915 χ^2/NDF:32.5/24

Right Out: 2032.727+/-549.870 χ^2/NDF: 27.4/26

Left In: 2074.306+/-423.203 χ^2/NDF:26.5/22

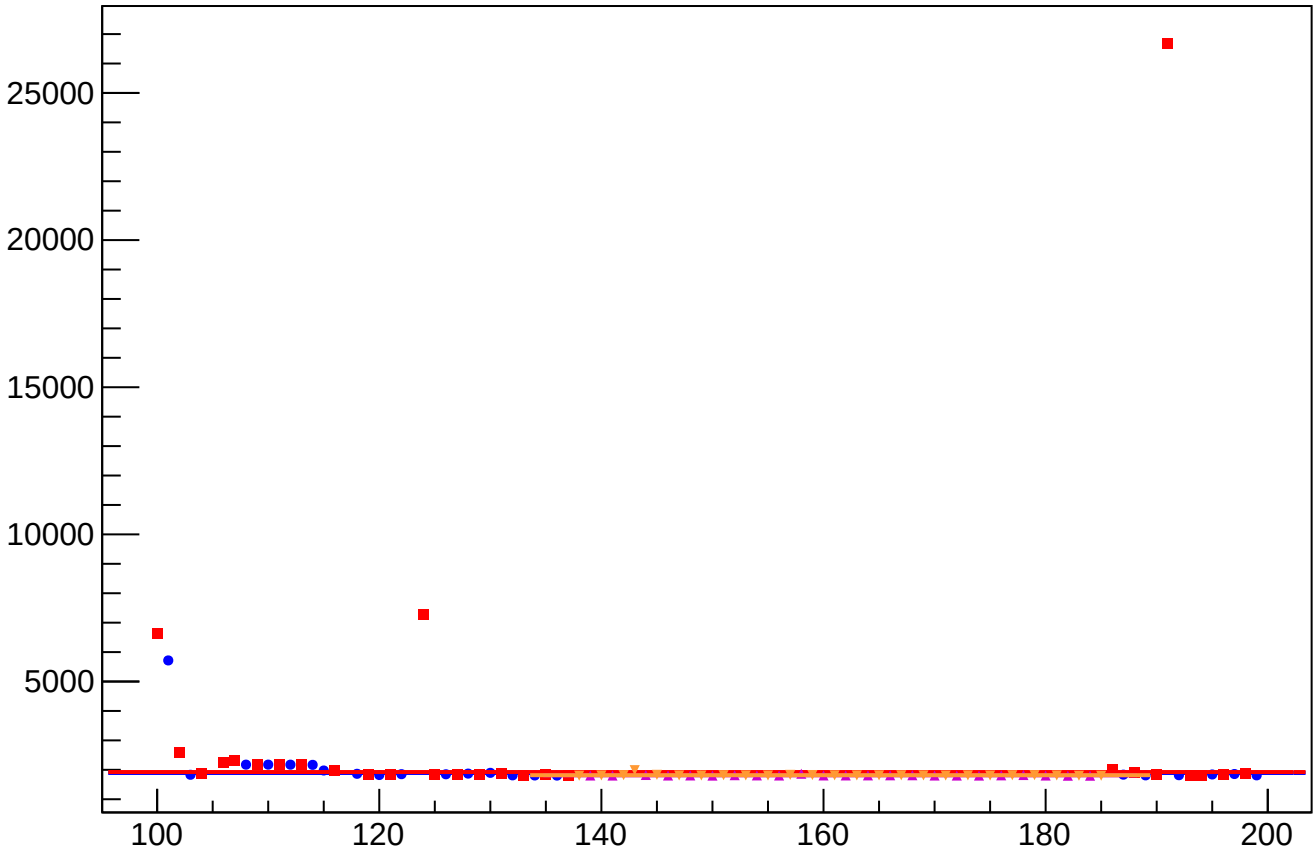
Left: 1995.556+/-295.545 χ^2/NDF: 59.1/47

Right: 2054.338+/-394.077 χ^2/NDF: 47.9/48

In: 2075.331+/-338.732 χ^2/NDF:47.0/44

Out: 1961.022+/-330.184 χ^2/NDF:60.0/51

All: 2016.716+/-236.440 χ^2/NDF: 107.0/96



Right In: 1892.553+/-0.400 χ^2/NDF: 656840.7/21

Left Out: 1817.524+/-0.292 χ^2/NDF:12955.2/24

Right Out: 1924.325+/-0.389 χ^2/NDF: 721190.0/26

Left In: 1812.545+/-0.299 χ^2/NDF:2013.0/22

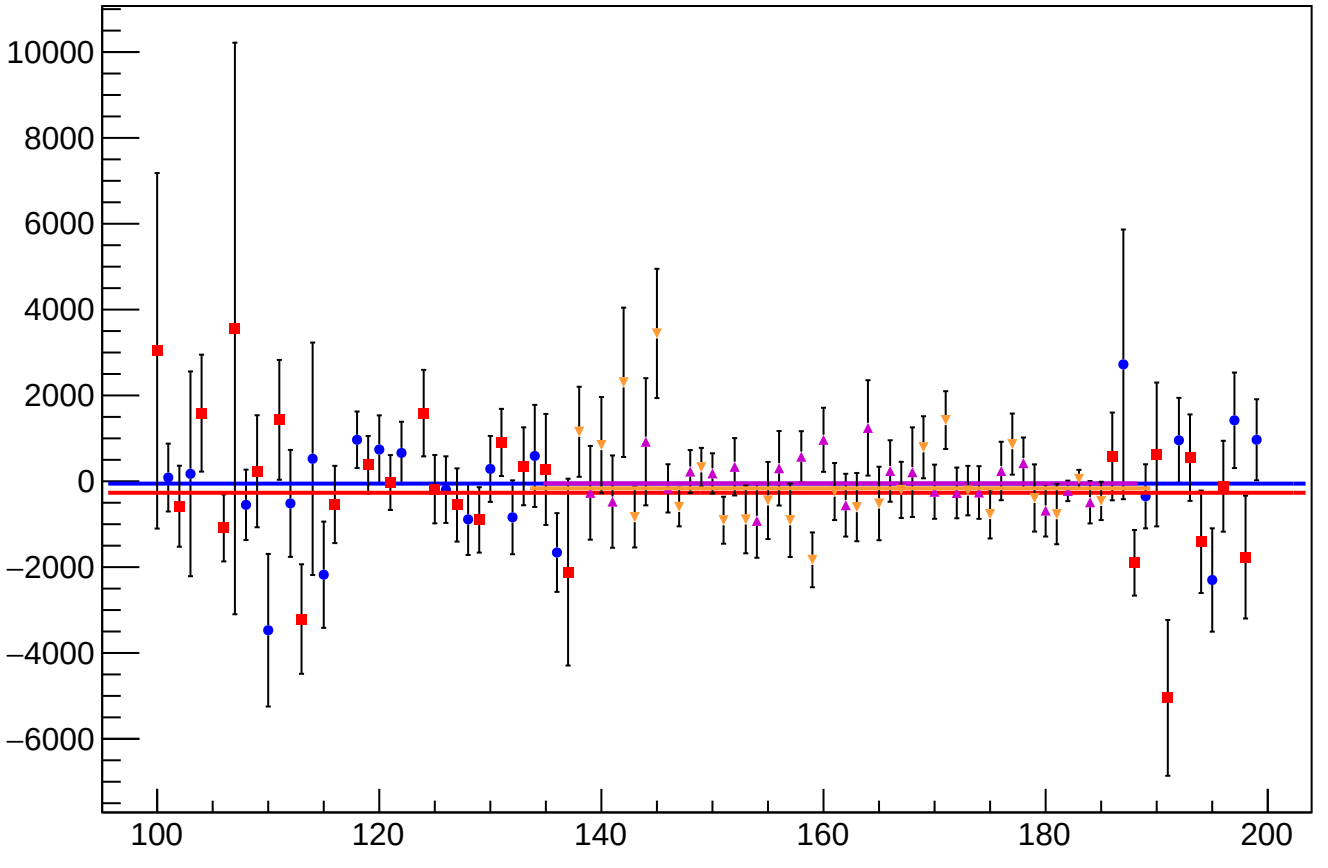
Left: 1815.096+/-0.209 χ^2/NDF: 15110.1/47

Right: 1908.872+/-0.279 χ^2/NDF: 1381278.5/48

In: 1841.296+/-0.240 χ^2/NDF:684541.6/44

Out: 1856.034+/-0.233 χ^2/NDF:782390.0/51

All: 1848.853+/-0.167 χ^2/NDF: 1468872.8/96



Right In: -54.155+/-202.530 χ^2/NDF: 25.4/21

Left Out: -162.911+/-115.291 χ^2/NDF:36.9/24

Right Out: -267.634+/-193.485 χ^2/NDF: 35.1/26

Left In: -49.310+/-122.694 χ^2/NDF:11.3/22

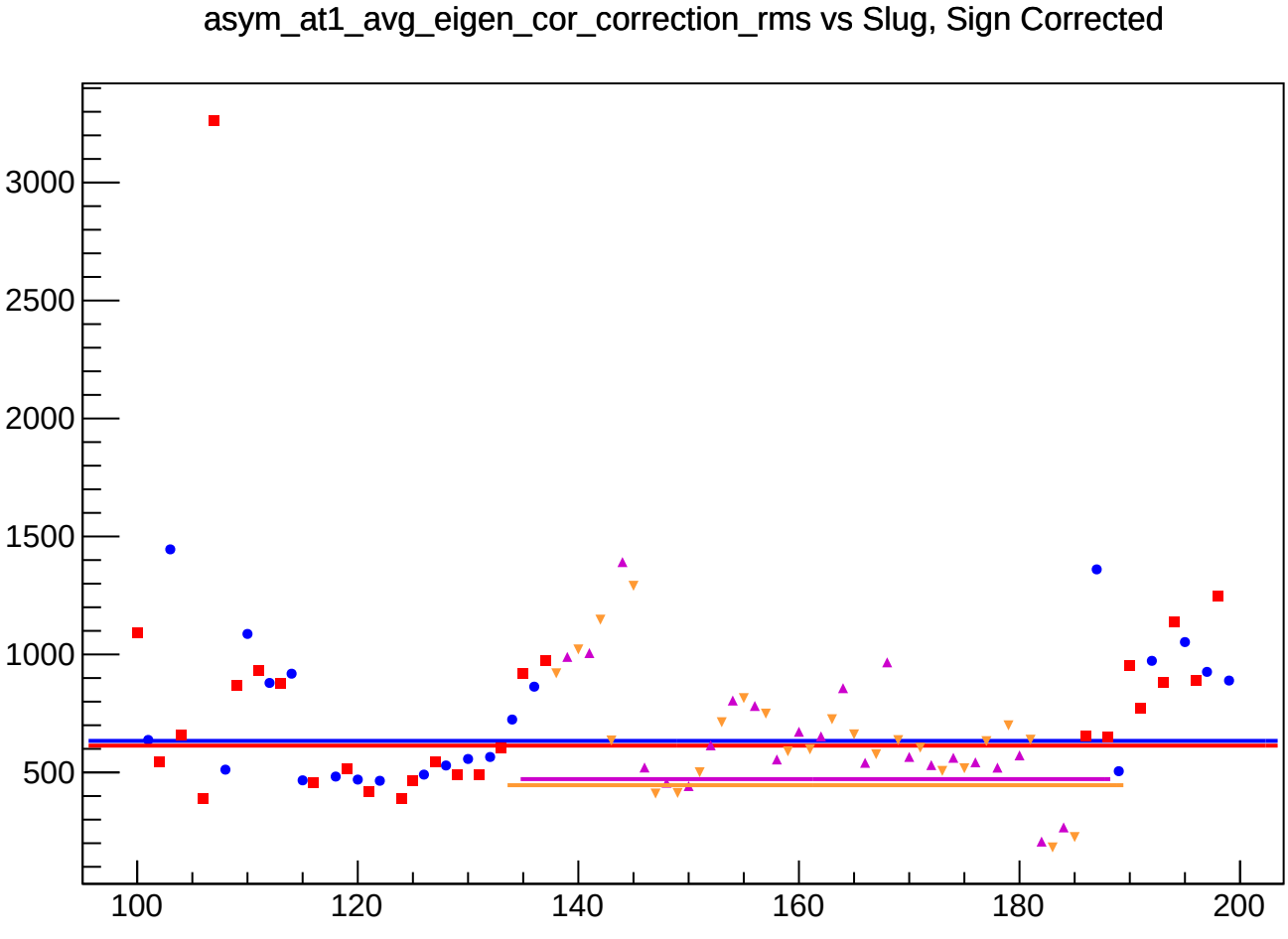
Left: -109.640+/-84.018 χ^2/NDF: 48.6/47

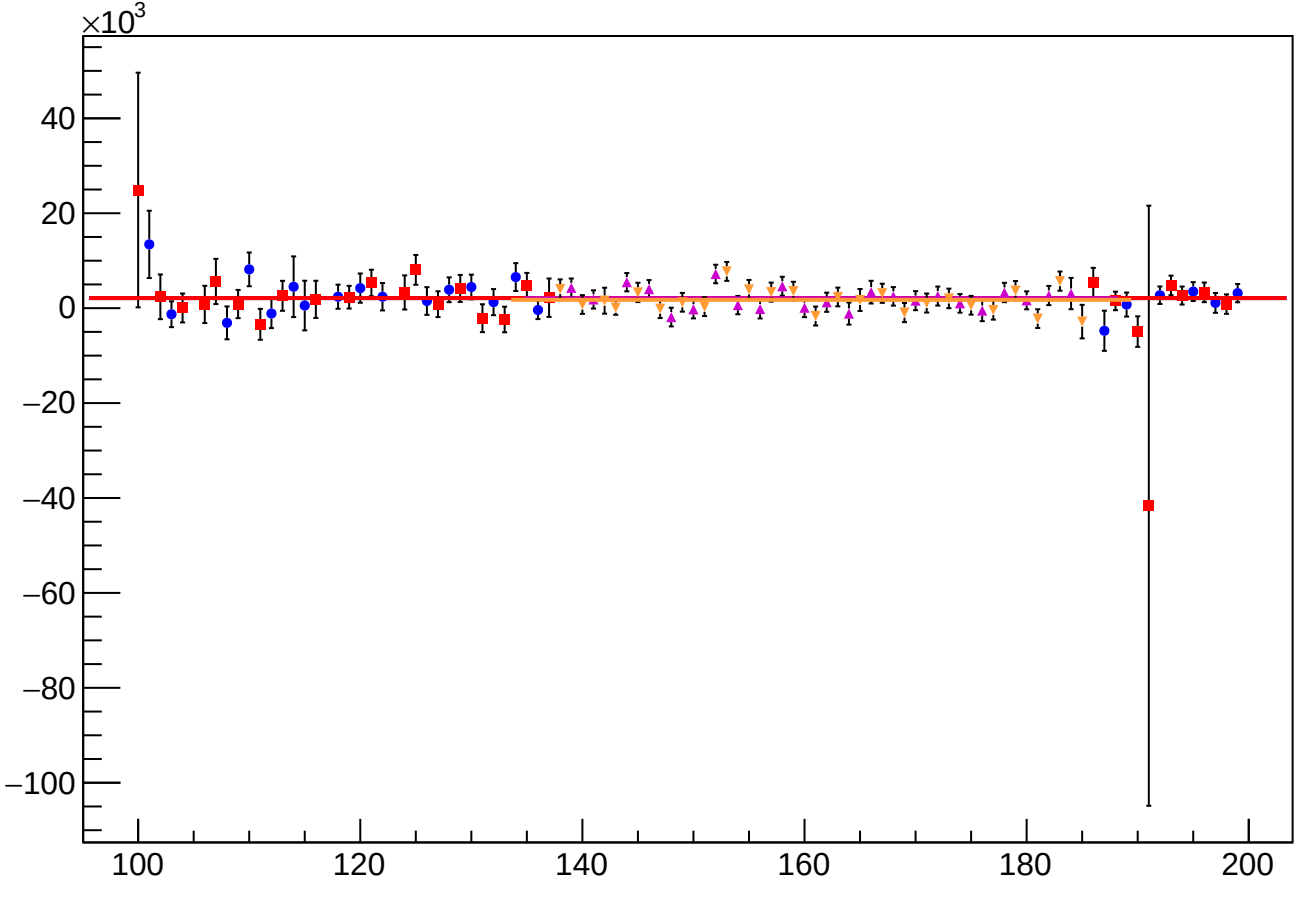
Right: -165.768+/-139.903 χ^2/NDF: 61.1/48

In: -50.610+/-104.939 χ^2/NDF:36.7/44

Out: -190.351+/-99.042 χ^2/NDF:72.2/51

All: -124.518+/-72.028 χ^2/NDF: 109.9/96


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: 633.704+/-0.143 χ²/NDF: 2037989.3/21
Left Out: 445.867+/-0.082 χ²/NDF:7983869.6/24
Right Out: 613.543+/-0.137 χ²/NDF: 2682587.4/26
Left In: 471.757+/-0.087 χ²/NDF:6413685.0/22
Left: 458.008+/-0.059 χ²/NDF: 14444849.4/47
Right: 623.163+/-0.099 χ²/NDF: 4730938.4/48
In: 515.235+/-0.074 χ²/NDF:9387134.2/44
Out: 489.802+/-0.070 χ²/NDF:11774911.6/51
All: 501.784+/-0.051 χ²/NDF: 21224177.0/96



Right In: 2119.295+/-572.204 χ^2/NDF: 20.6/21

Left Out: 1755.493+/-405.401 χ^2/NDF:33.8/24

Right Out: 2125.019+/-551.850 χ^2/NDF: 25.7/26

Left In: 2073.441+/-423.648 χ^2/NDF:27.0/22

Left: 1907.472+/-292.900 χ^2/NDF: 61.1/47

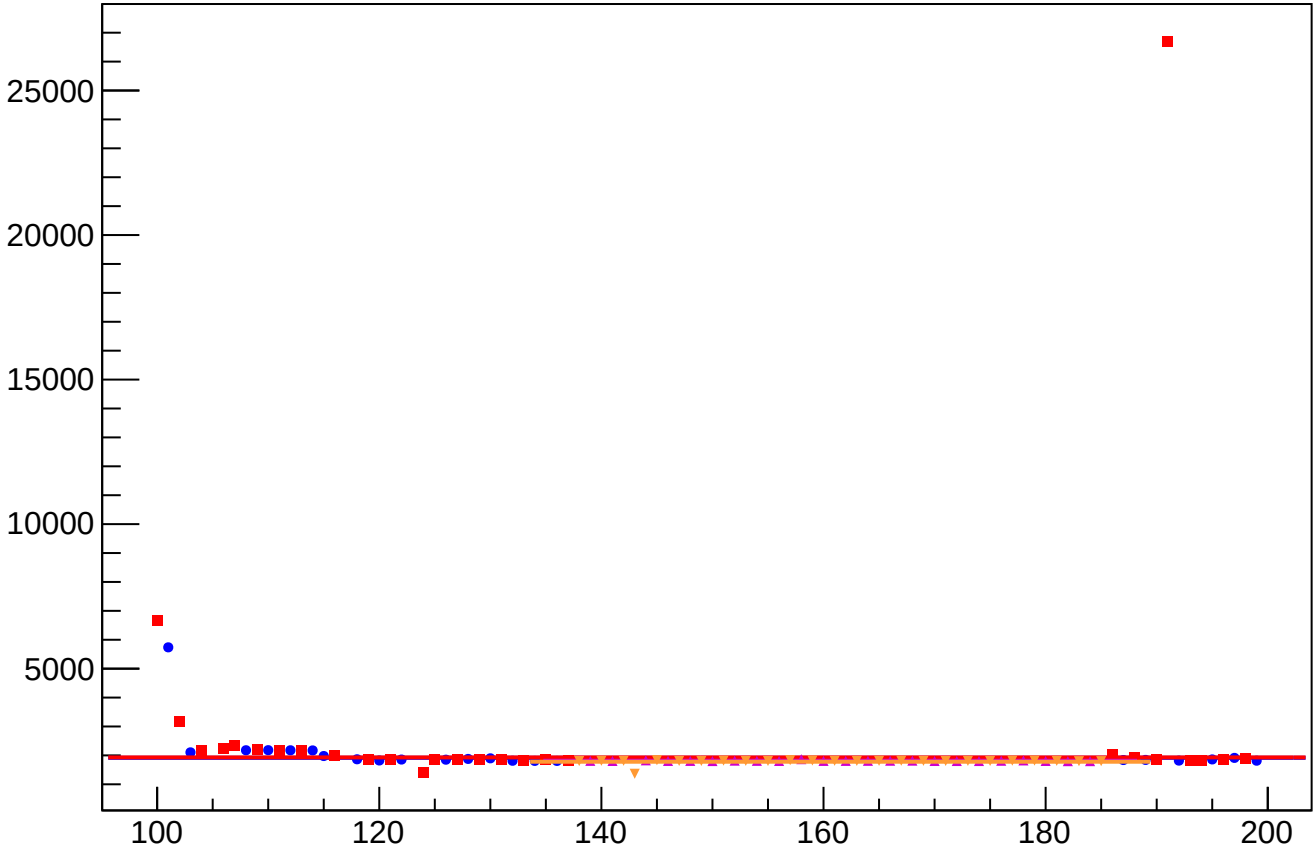
Right: 2122.260+/-397.218 χ^2/NDF: 46.2/48

In: 2089.676+/-340.484 χ^2/NDF:47.6/44

Out: 1885.016+/-326.717 χ^2/NDF:59.8/51

All: 1983.125+/-235.741 χ^2/NDF: 107.5/96

dit_asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 1915.913+/-0.405 χ^2/NDF: 662974.5/21

Left Out: 1780.913+/-0.287 χ^2/NDF:164936.9/24

Right Out: 1929.617+/-0.390 χ^2/NDF: 678731.1/26

Left In: 1814.434+/-0.300 χ^2/NDF:2094.6/22

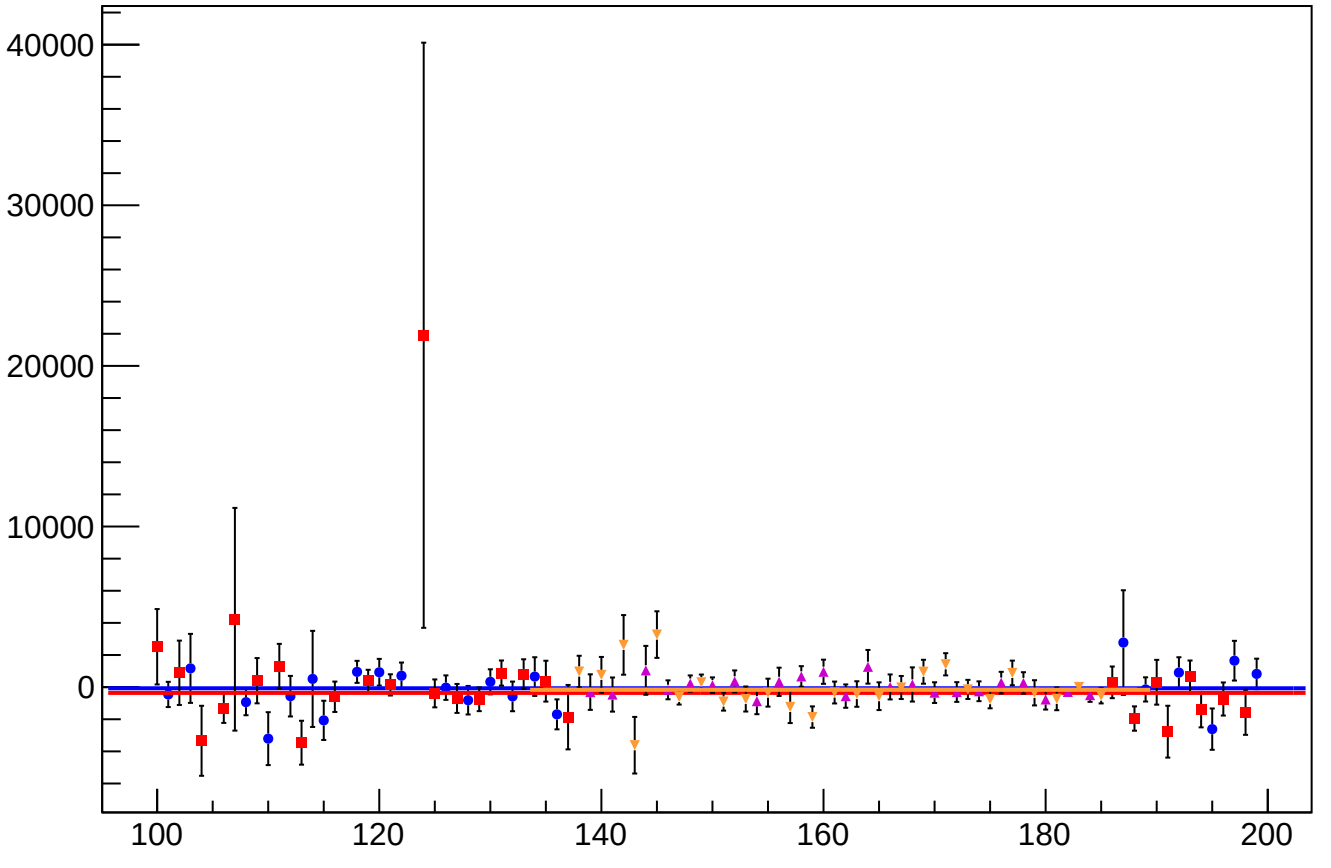
Left: 1796.936+/-0.207 χ^2/NDF: 173567.7/47

Right: 1923.013+/-0.281 χ^2/NDF: 1342299.9/48

In: 1850.365+/-0.241 χ^2/NDF:705700.8/44

Out: 1833.035+/-0.231 χ^2/NDF:937988.3/51

All: 1841.343+/-0.167 χ^2/NDF: 1646386.6/96



Right In: -70.292+/-207.888 χ^2/NDF: 26.0/21

Left Out: -167.909+/-121.628 χ^2/NDF:38.3/24

Right Out: -358.496+/-204.757 χ^2/NDF: 30.9/26

Left In: -117.211+/-119.772 χ^2/NDF:12.3/22

Left: -142.170+/-85.340 χ^2/NDF: 50.7/47

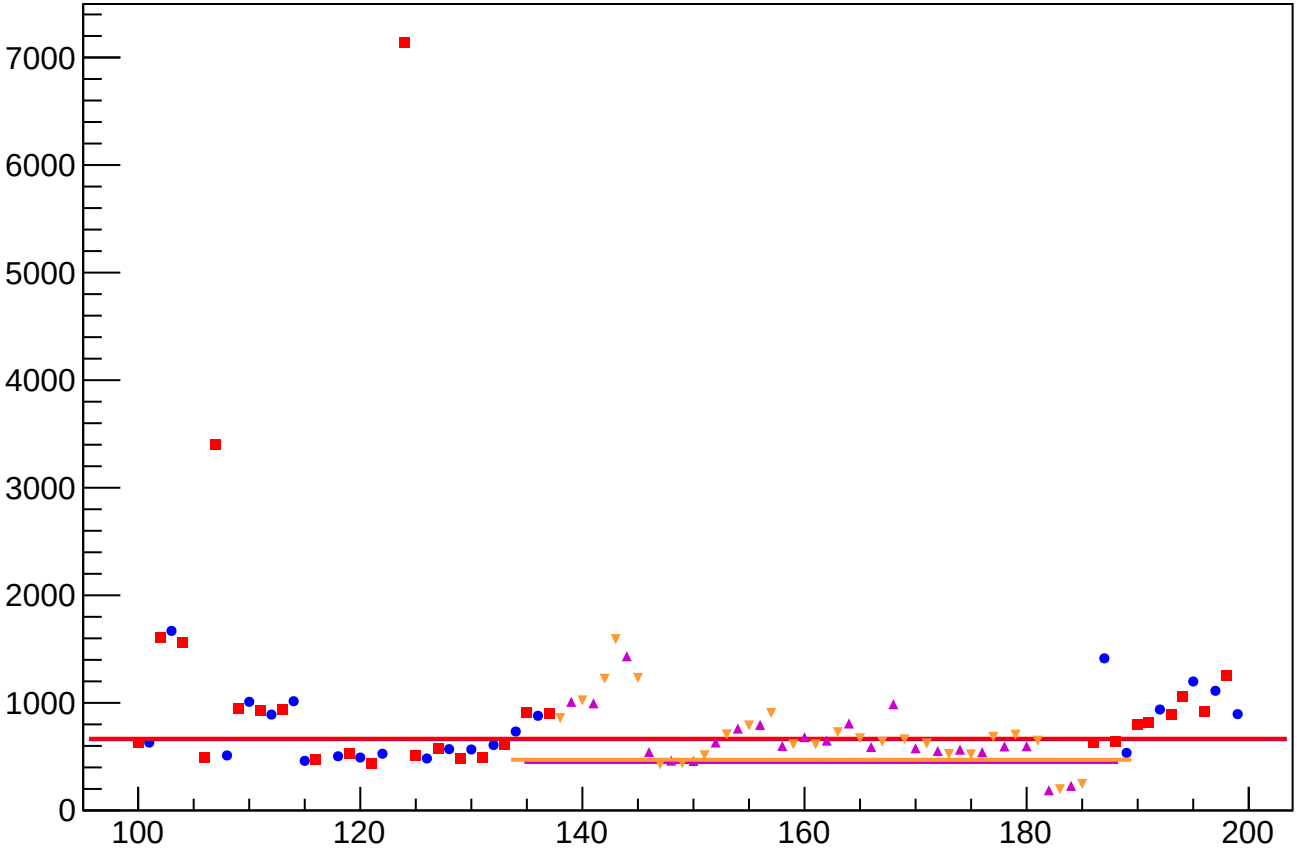
Right: -216.581+/-145.879 χ^2/NDF: 57.9/48

In: -105.518+/-103.780 χ^2/NDF:38.3/44

Out: -217.618+/-104.571 χ^2/NDF:69.9/51

All: -161.143+/-73.661 χ^2/NDF: 108.8/96

asym_at1_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 662.936+/-0.147 χ^2/NDF: 2341872.5/21

Left Out: 471.777+/-0.086 χ^2/NDF:8112666.9/24

Right Out: 666.697+/-0.145 χ^2/NDF: 3338855.1/26

Left In: 450.652+/-0.085 χ^2/NDF:7928332.5/22

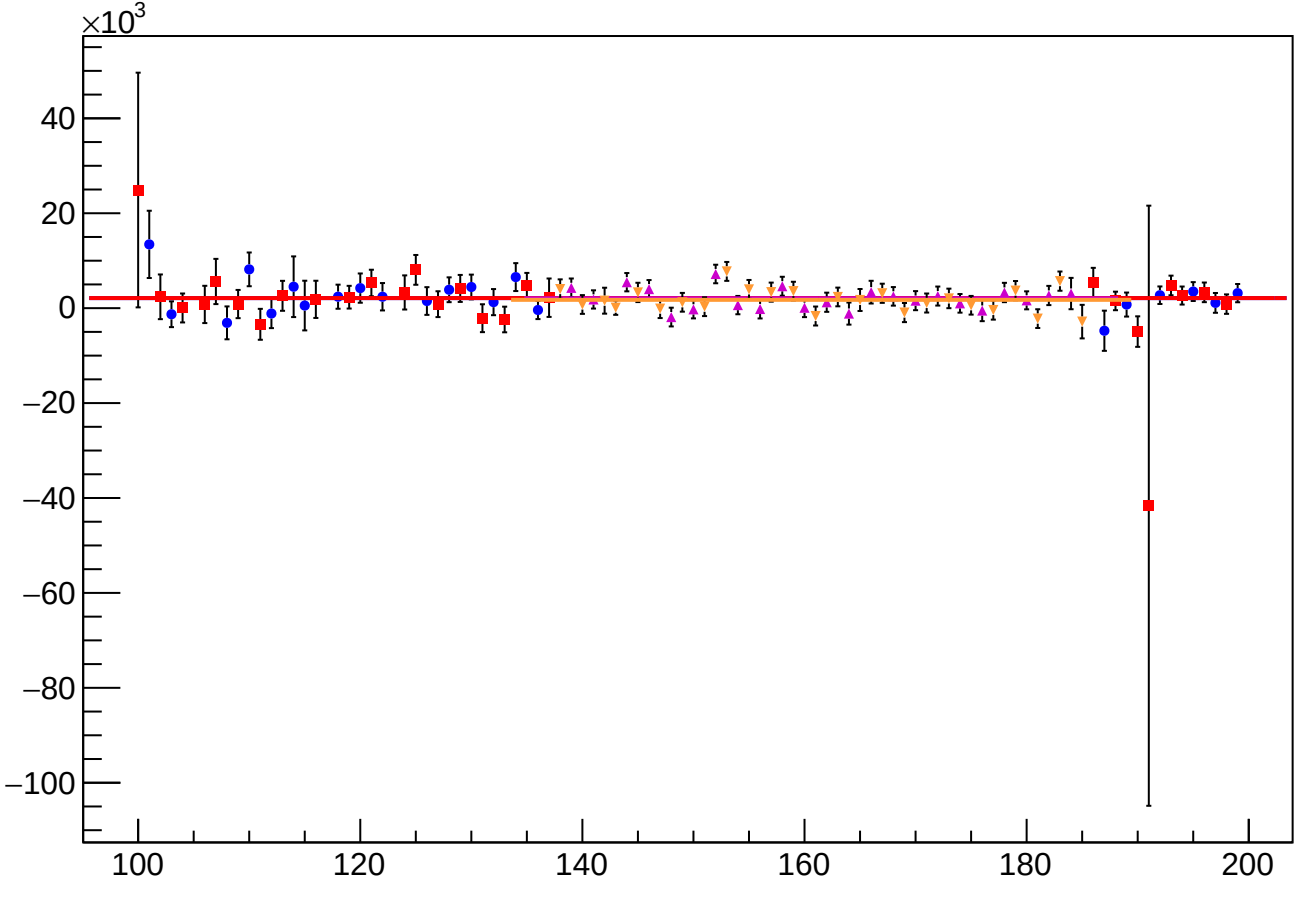
Left: 461.052+/-0.060 χ^2/NDF: 16071629.8/47

Right: 664.845+/-0.103 χ^2/NDF: 5681059.7/48

In: 503.556+/-0.073 χ^2/NDF:11835967.3/44

Out: 522.616+/-0.074 χ^2/NDF:12791247.5/51

All: 513.014+/-0.052 χ^2/NDF: 24660691.2/96



Right In: 2119.294+/-572.204 χ^2/NDF: 20.6/21

Left Out: 1755.493+/-405.401 χ^2/NDF:33.8/24

Right Out: 2125.016+/-551.850 χ^2/NDF: 25.7/26

Left In: 2073.441+/-423.648 χ^2/NDF:27.0/22

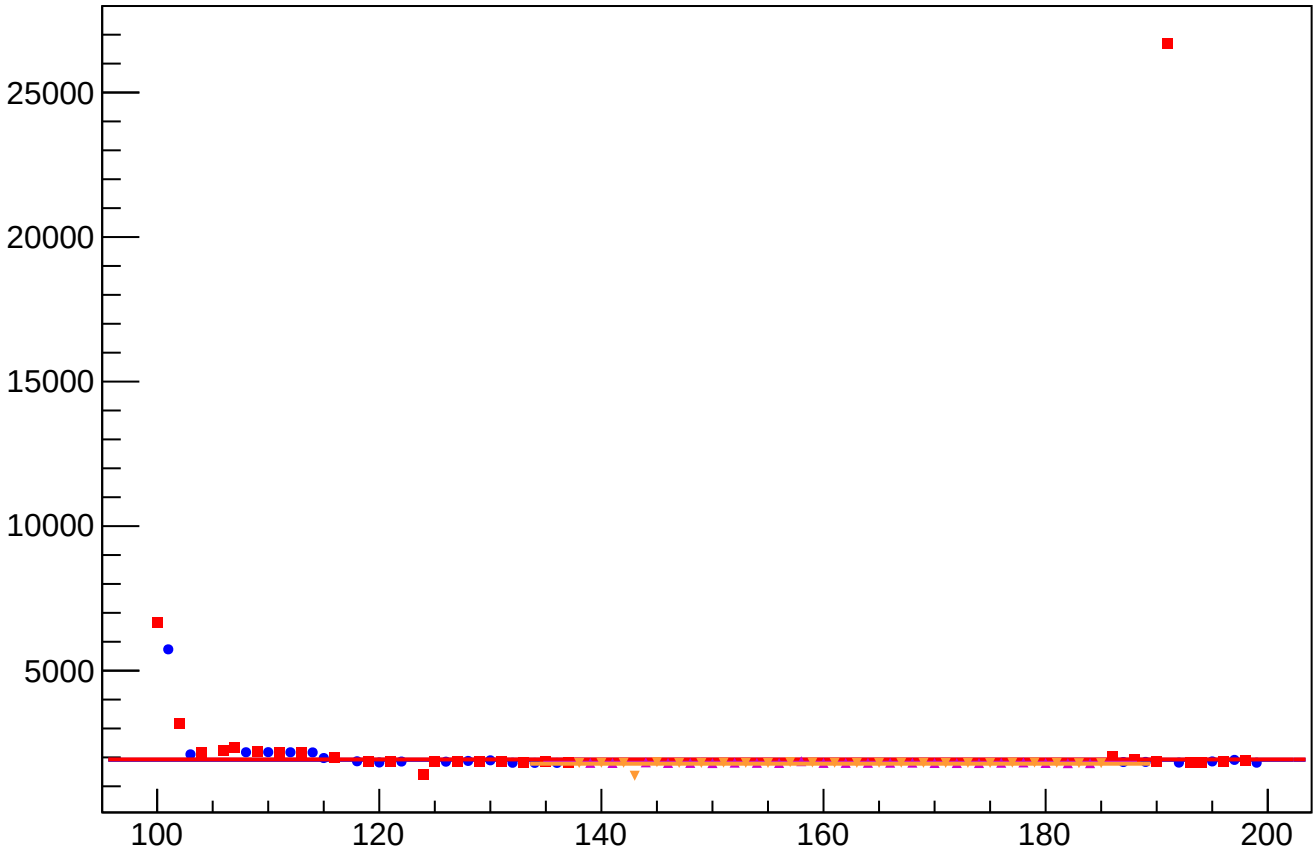
Left: 1907.473+/-292.900 χ^2/NDF: 61.1/47

Right: 2122.259+/-397.218 χ^2/NDF: 46.2/48

In: 2089.676+/-340.484 χ^2/NDF:47.6/44

Out: 1885.015+/-326.717 χ^2/NDF:59.8/51

All: 1983.124+/-235.741 χ^2/NDF: 107.5/96



Right In: 1915.913+/-0.405 χ^2/NDF: 662974.1/21

Left Out: 1780.913+/-0.287 χ^2/NDF:164936.9/24

Right Out: 1929.617+/-0.390 χ^2/NDF: 678729.8/26

Left In: 1814.434+/-0.300 χ^2/NDF:2094.6/22

Left: 1796.936+/-0.207 χ^2/NDF: 173567.7/47

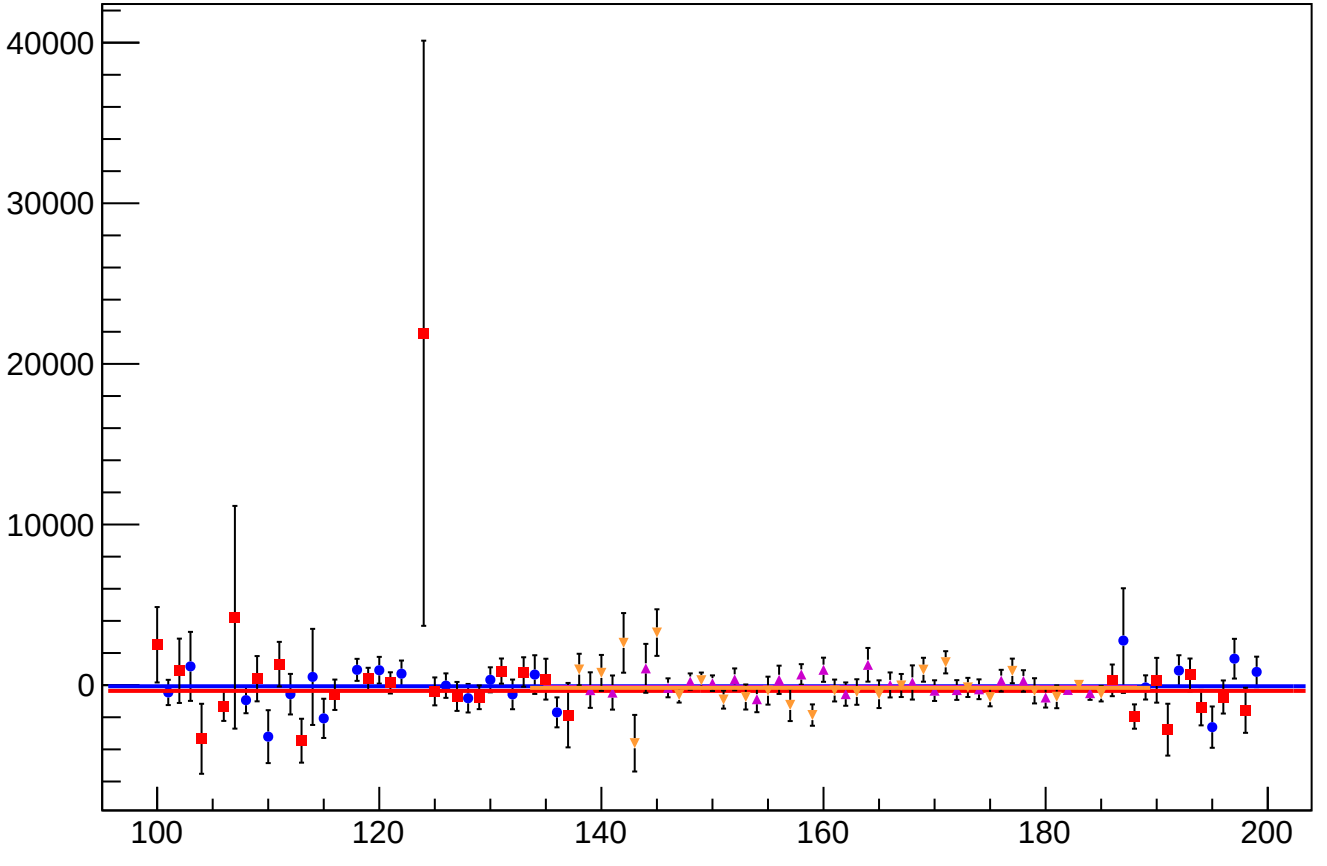
Right: 1923.013+/-0.281 χ^2/NDF: 1342298.2/48

In: 1850.365+/-0.241 χ^2/NDF:705700.4/44

Out: 1833.035+/-0.231 χ^2/NDF:937986.7/51

All: 1841.343+/-0.167 χ^2/NDF: 1646384.5/96

asym_at1_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -70.293+/-207.888 χ^2/NDF: 26.0/21

Left Out: -167.909+/-121.629 χ^2/NDF:38.3/24

Right Out: -358.495+/-204.757 χ^2/NDF: 30.9/26

Left In: -117.211+/-119.772 χ^2/NDF:12.3/22

Left: -142.170+/-85.340 χ^2/NDF: 50.7/47

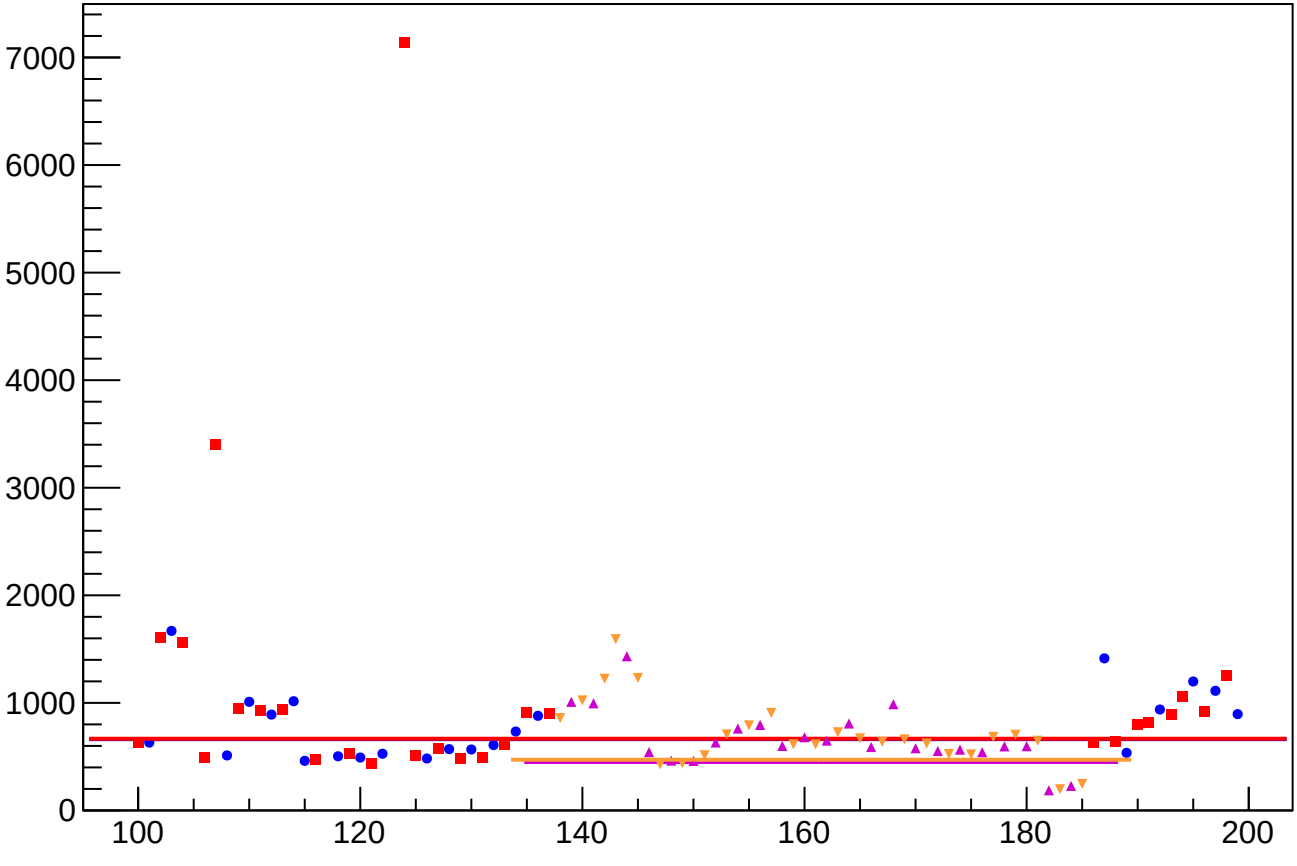
Right: -216.581+/-145.879 χ^2/NDF: 57.9/48

In: -105.519+/-103.780 χ^2/NDF:38.3/44

Out: -217.618+/-104.571 χ^2/NDF:69.9/51

All: -161.143+/-73.662 χ^2/NDF: 108.8/96

asym_at1_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 662.936+/-0.147 χ^2/NDF: 2341887.9/21

Left Out: 471.778+/-0.086 χ^2/NDF:8112665.9/24

Right Out: 666.696+/-0.145 χ^2/NDF: 3338871.5/26

Left In: 450.653+/-0.085 χ^2/NDF:7928317.5/22

Left: 461.053+/-0.060 χ^2/NDF: 16071613.1/47

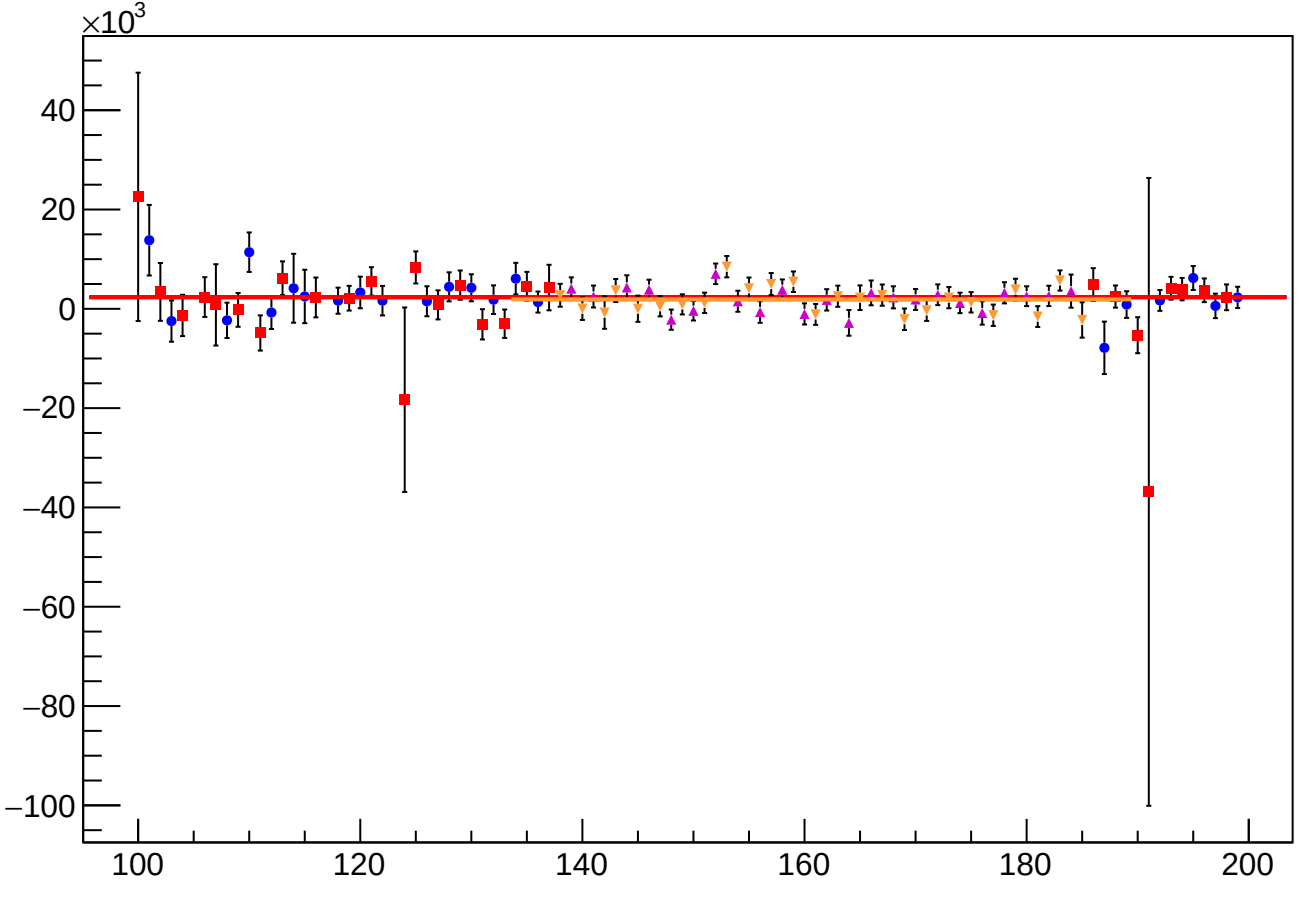
Right: 664.845+/-0.103 χ^2/NDF: 5681091.6/48

In: 503.556+/-0.073 χ^2/NDF:11835943.3/44

Out: 522.617+/-0.074 χ^2/NDF:12791245.3/51

All: 513.014+/-0.052 χ^2/NDF: 24660664.3/96

asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 2336.631+/-634.603 χ^2/NDF: 21.9/21

Left Out: 1907.369+/-443.523 χ^2/NDF:36.3/24

Right Out: 2345.094+/-623.786 χ^2/NDF: 28.7/26

Left In: 1926.570+/-454.880 χ^2/NDF:24.8/22

Left: 1916.727+/-317.557 χ^2/NDF: 61.0/47

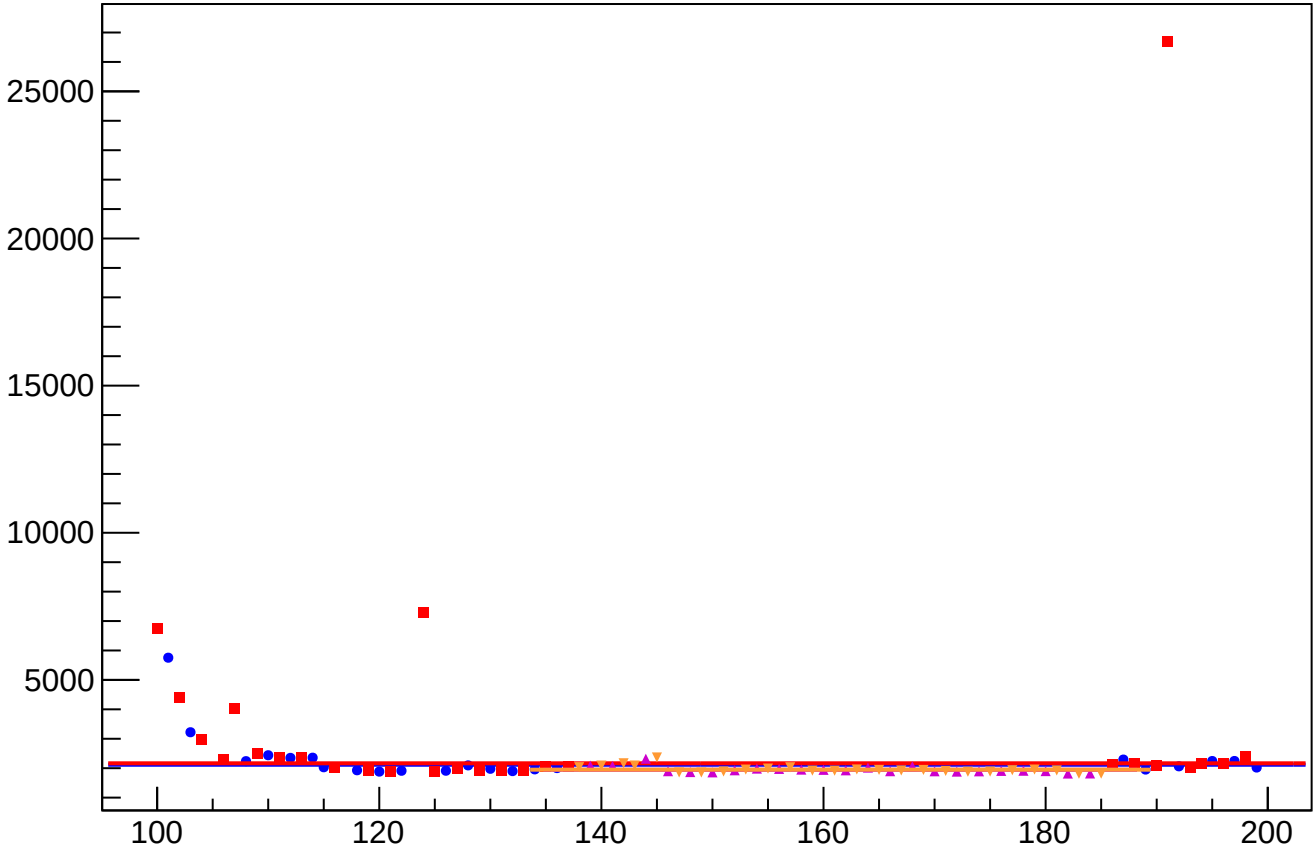
Right: 2340.935+/-444.859 χ^2/NDF: 50.6/48

In: 2065.748+/-369.712 χ^2/NDF:46.9/44

Out: 2054.352+/-361.467 χ^2/NDF:65.3/51

All: 2059.921+/-258.462 χ^2/NDF: 112.3/96

asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 2116.769+/-0.449 χ^2/NDF: 785734.5/21

Left Out: 1949.001+/-0.314 χ^2/NDF:108523.9/24

Right Out: 2166.051+/-0.441 χ^2/NDF: 1151865.3/26

Left In: 1945.132+/-0.322 χ^2/NDF:95954.5/22

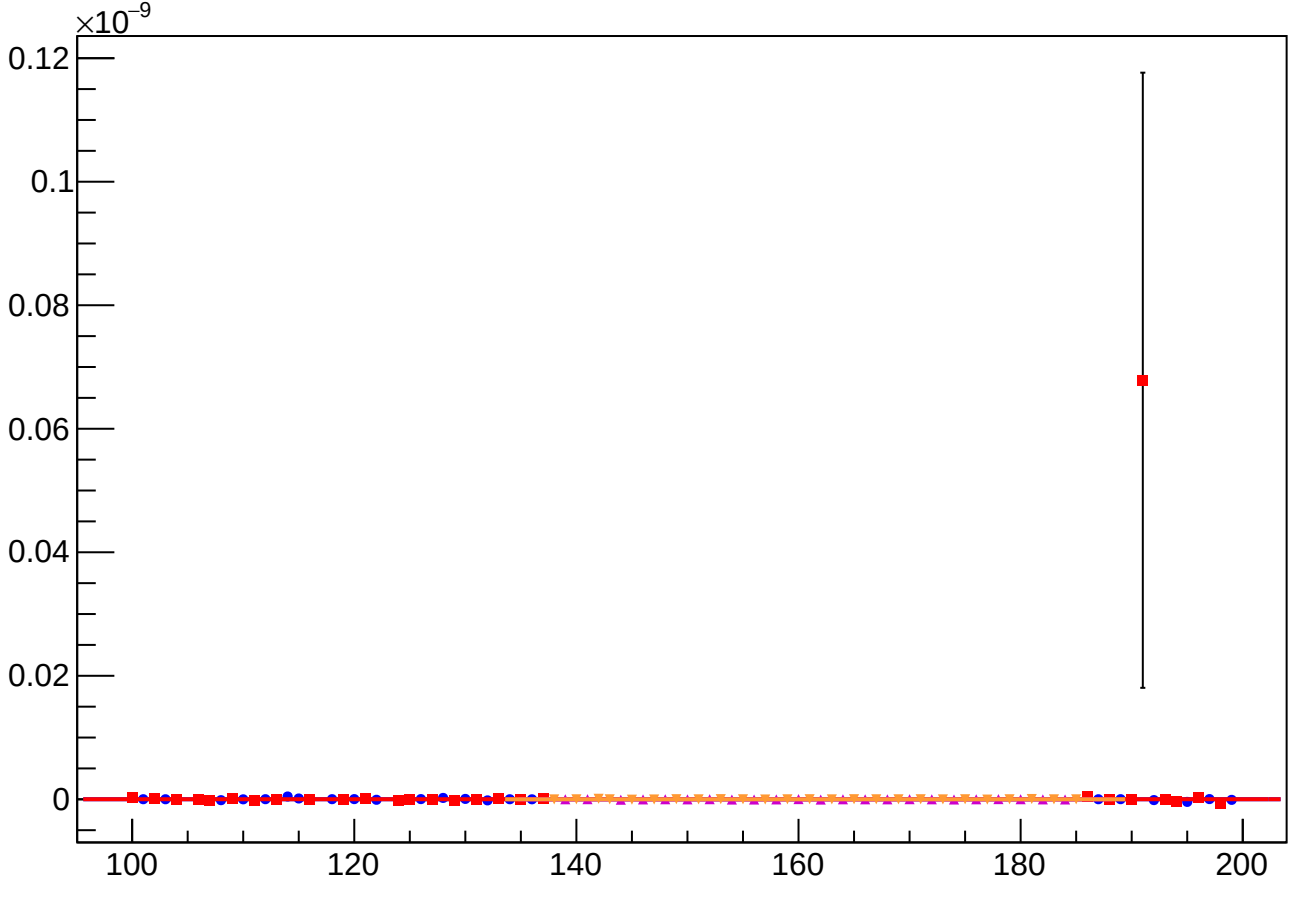
Left: 1947.116+/-0.225 χ^2/NDF: 204552.7/47

Right: 2141.834+/-0.315 χ^2/NDF: 1943734.4/48

In: 2003.387+/-0.261 χ^2/NDF:978334.0/44

Out: 2021.885+/-0.256 χ^2/NDF:1421225.9/51

All: 2012.844+/-0.183 χ^2/NDF: 2402119.6/96



Right In: 0.000+/-0.000 χ^2/NDF: 23.1/21

Left Out: 0.000+/-0.000 χ^2/NDF:28.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 29.0/26

Left In: -0.000+/-0.000 χ^2/NDF:31.1/22

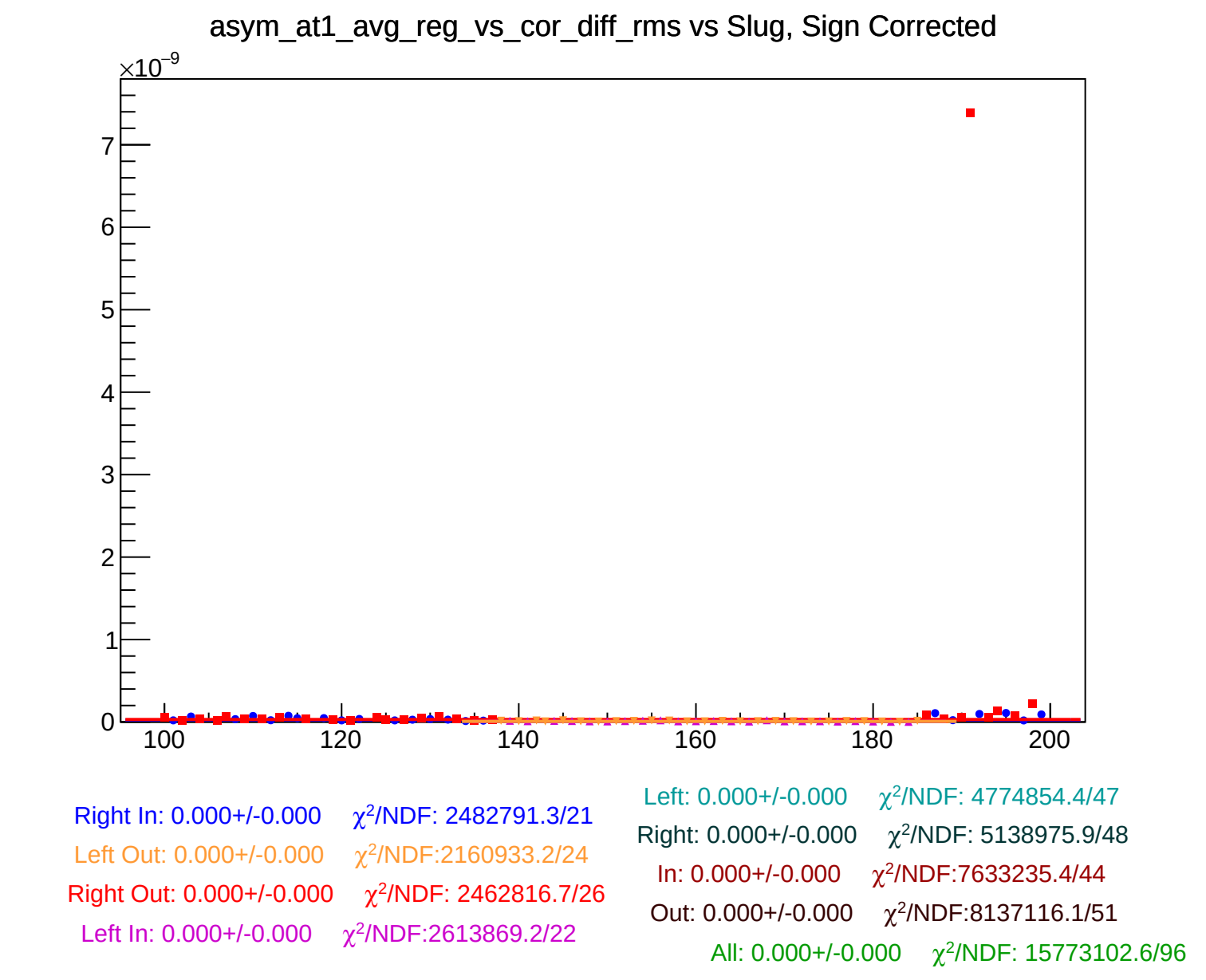
Left: -0.000+/-0.000 χ^2/NDF: 60.4/47

Right: 0.000+/-0.000 χ^2/NDF: 52.1/48

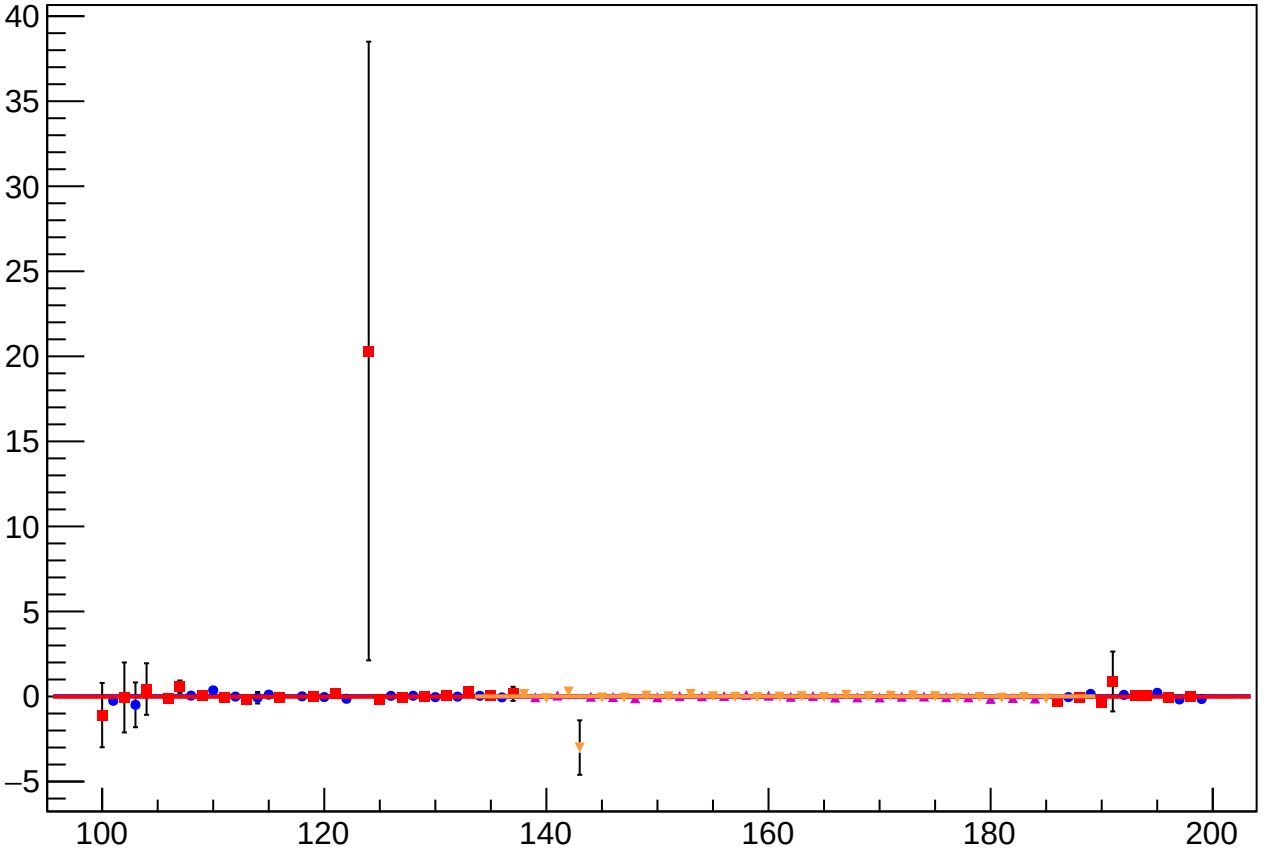
In: -0.000+/-0.000 χ^2/NDF:55.2/44

Out: 0.000+/-0.000 χ^2/NDF:58.2/51

All: -0.000+/-0.000 χ^2/NDF: 114.0/96


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: 2482791.3/21
Left Out: 0.000+/-0.000 χ²/NDF:2160933.2/24
Right Out: 0.000+/-0.000 χ²/NDF: 2462816.7/26
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: 5138975.9/48
In: 0.000+/-0.000 χ²/NDF:7633235.4/44
Out: 0.000+/-0.000 χ²/NDF:8137116.1/51
All: 0.000+/-0.000 χ²/NDF: 15773102.6/96

asym_at1_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.018+/-0.023 χ^2/NDF: 18.9/21

Left Out: 0.011+/-0.012 χ^2/NDF:29.6/24

Right Out: -0.013+/-0.022 χ^2/NDF: 23.9/26

Left In: -0.018+/-0.012 χ^2/NDF:20.3/22

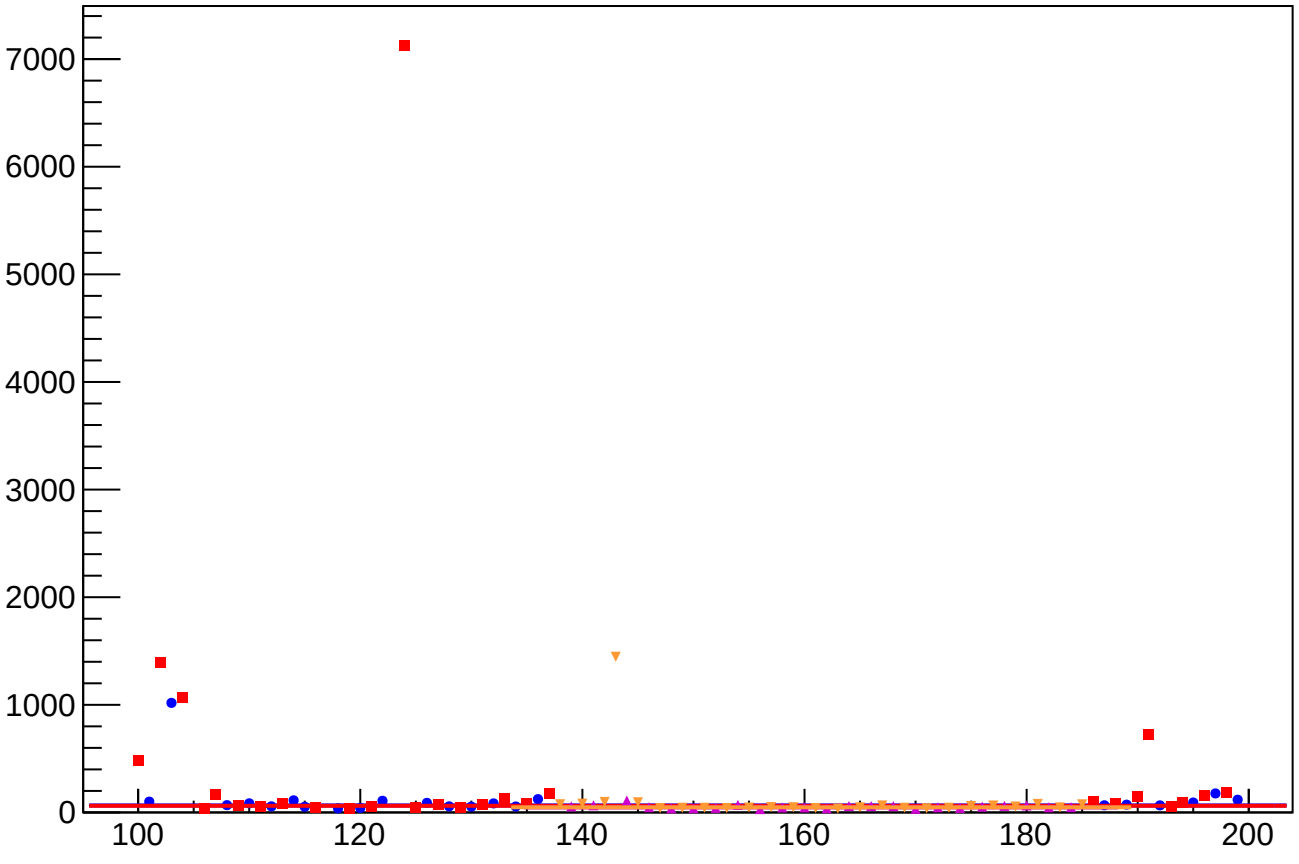
Left: -0.004+/-0.009 χ^2/NDF: 52.8/47

Right: 0.002+/-0.016 χ^2/NDF: 43.7/48

In: -0.010+/-0.011 χ^2/NDF:41.1/44

Out: 0.006+/-0.011 χ^2/NDF:54.4/51

All: -0.002+/-0.008 χ^2/NDF: 96.5/96



Right In: 65.304+/-0.017 χ^2/NDF: 3528841.9/21

Left Out: 47.901+/-0.009 χ^2/NDF:3496596.6/24

Right Out: 61.895+/-0.016 χ^2/NDF: 5488184.8/26

Left In: 46.786+/-0.009 χ^2/NDF:1949486.1/22

Left: 47.335+/-0.006 χ^2/NDF: 5454241.8/47

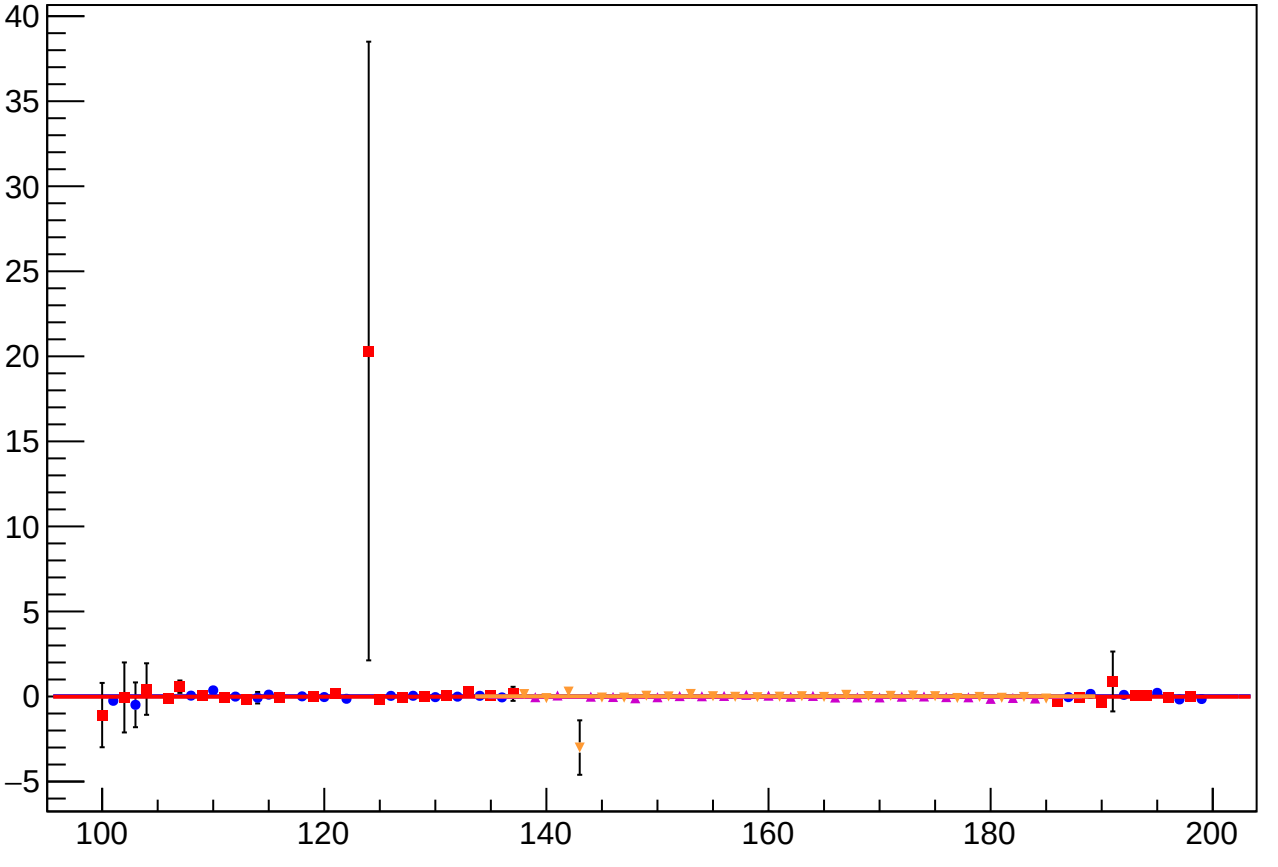
Right: 63.525+/-0.011 χ^2/NDF: 9039255.3/48

In: 50.783+/-0.008 χ^2/NDF:6464221.3/44

Out: 51.210+/-0.008 χ^2/NDF:9582914.9/51

All: 50.996+/-0.005 χ^2/NDF: 16048676.6/96

asym_at1_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.018+/-0.023 χ^2/NDF: 18.9/21

Left Out: 0.011+/-0.012 χ^2/NDF:29.6/24

Right Out: -0.013+/-0.022 χ^2/NDF: 23.9/26

Left In: -0.018+/-0.012 χ^2/NDF:20.3/22

Left: -0.004+/-0.009 χ^2/NDF: 52.8/47

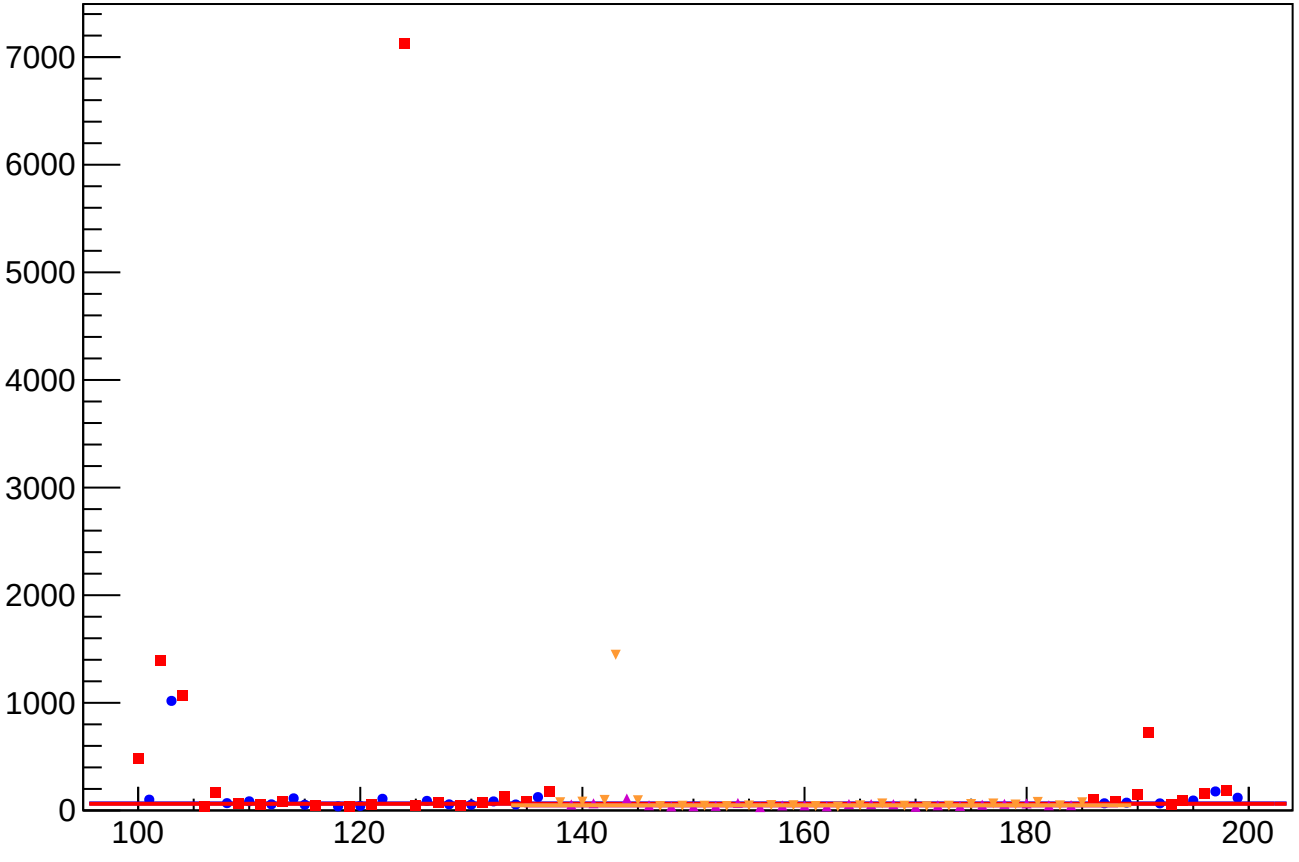
Right: 0.002+/-0.016 χ^2/NDF: 43.7/48

In: -0.010+/-0.011 χ^2/NDF:41.1/44

Out: 0.006+/-0.011 χ^2/NDF:54.4/51

All: -0.002+/-0.008 χ^2/NDF: 96.5/96

asym_at1_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 65.304+/-0.017 χ^2/NDF: 3528841.9/21

Left Out: 47.901+/-0.009 χ^2/NDF:3496596.6/24

Right Out: 61.895+/-0.016 χ^2/NDF: 5488184.8/26

Left In: 46.786+/-0.009 χ^2/NDF:1949486.1/22

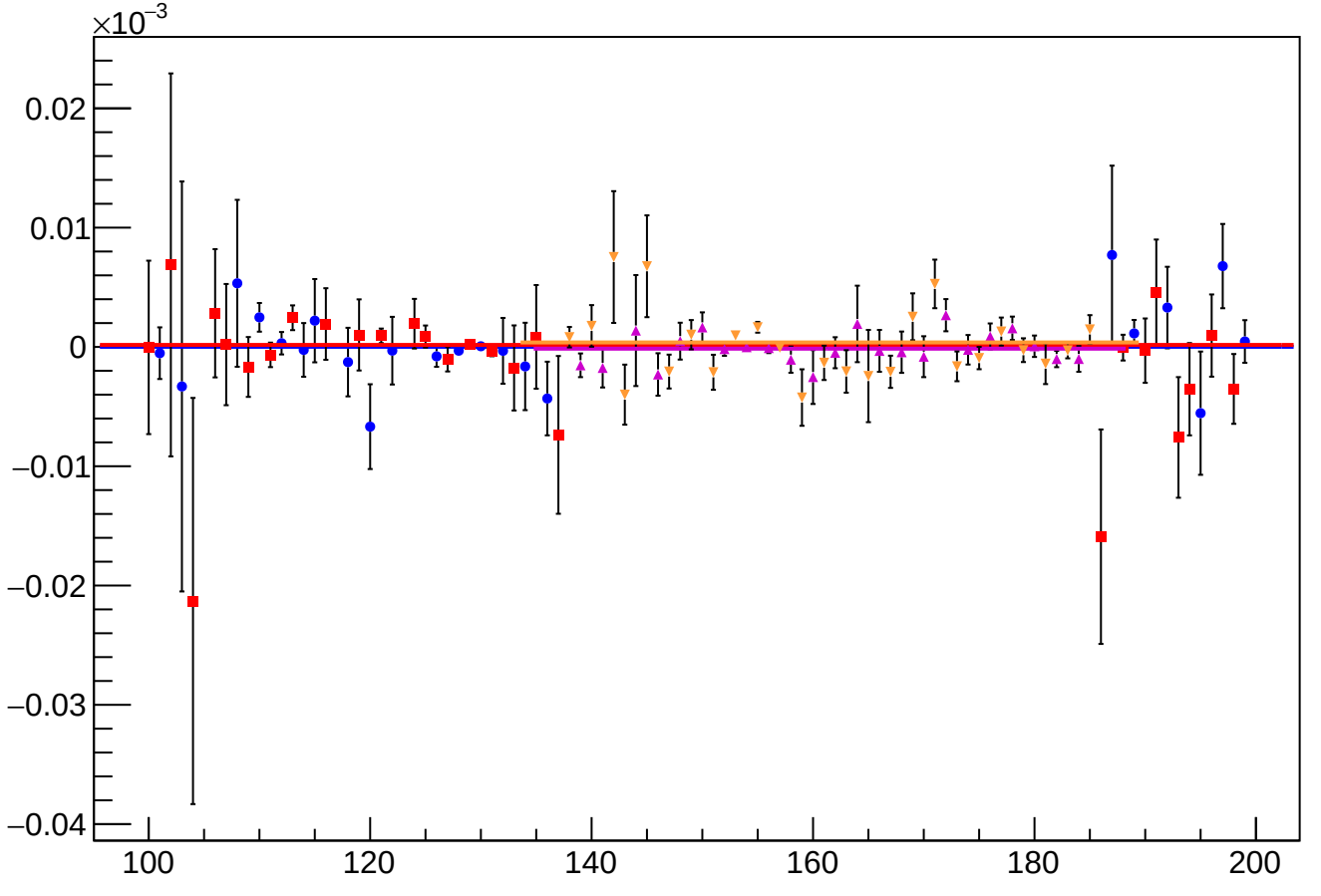
Left: 47.335+/-0.006 χ^2/NDF: 5454241.8/47

Right: 63.525+/-0.011 χ^2/NDF: 9039255.3/48

In: 50.783+/-0.008 χ^2/NDF:6464221.3/44

Out: 51.210+/-0.008 χ^2/NDF:9582914.9/51

All: 50.996+/-0.005 χ^2/NDF: 16048676.6/96



Right In: 0.000+/-0.000 χ^2/NDF: 20.8/21

Left Out: 0.000+/-0.000 χ^2/NDF:51.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 24.9/26

Left In: -0.000+/-0.000 χ^2/NDF:19.9/22

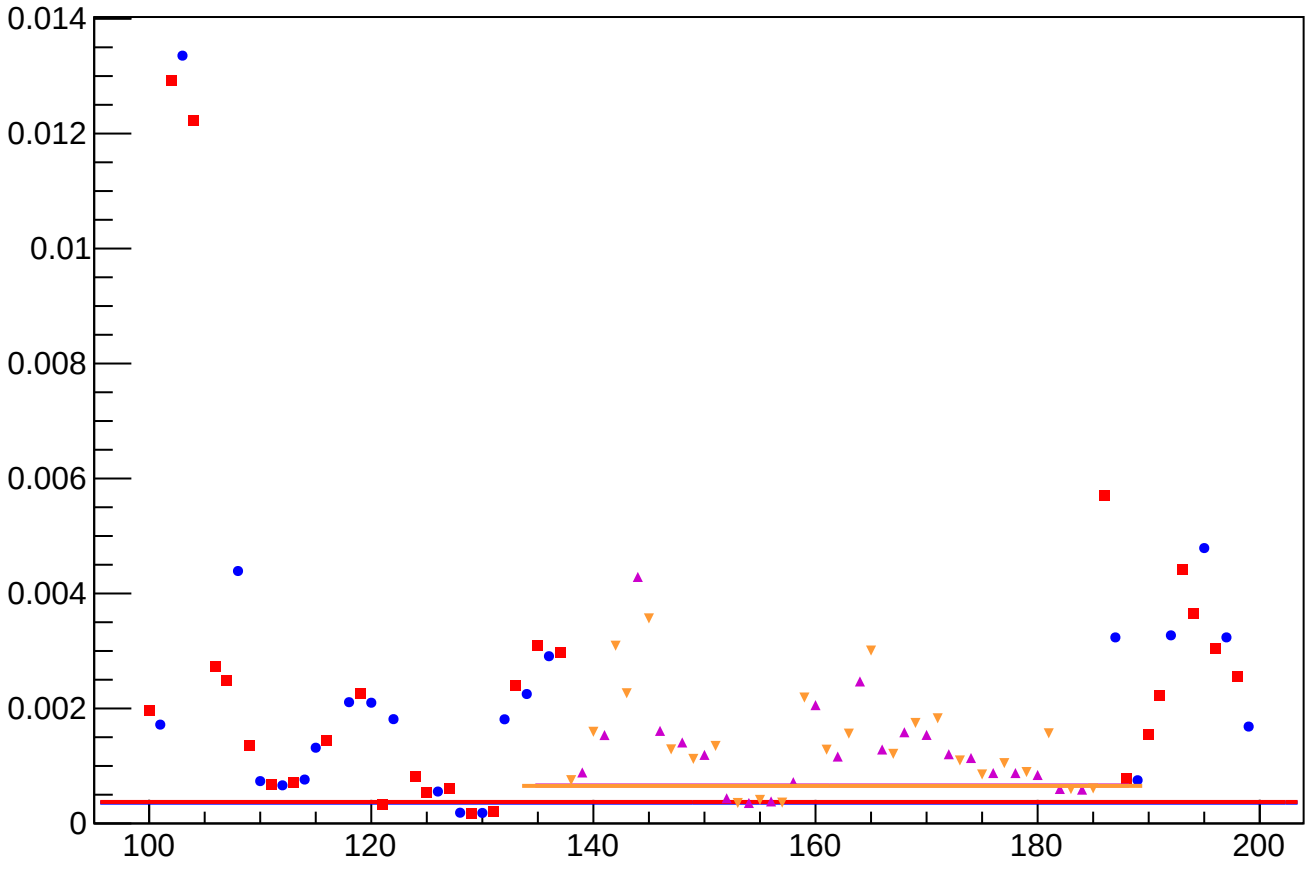
Left: 0.000+/-0.000 χ^2/NDF: 75.6/47

Right: 0.000+/-0.000 χ^2/NDF: 46.0/48

In: -0.000+/-0.000 χ^2/NDF:41.0/44

Out: 0.000+/-0.000 χ^2/NDF:77.2/51

All: 0.000+/-0.000 χ^2/NDF: 121.6/96



Right In: 0.000+/-0.000 χ^2/NDF: 14784995.3/21

Left Out: 0.001+/-0.000 χ^2/NDF:12083891.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 14927553.4/26

Left In: 0.001+/-0.000 χ^2/NDF:9695095.3/22

Left: 0.001+/-0.000 χ^2/NDF: 21780521.8/47

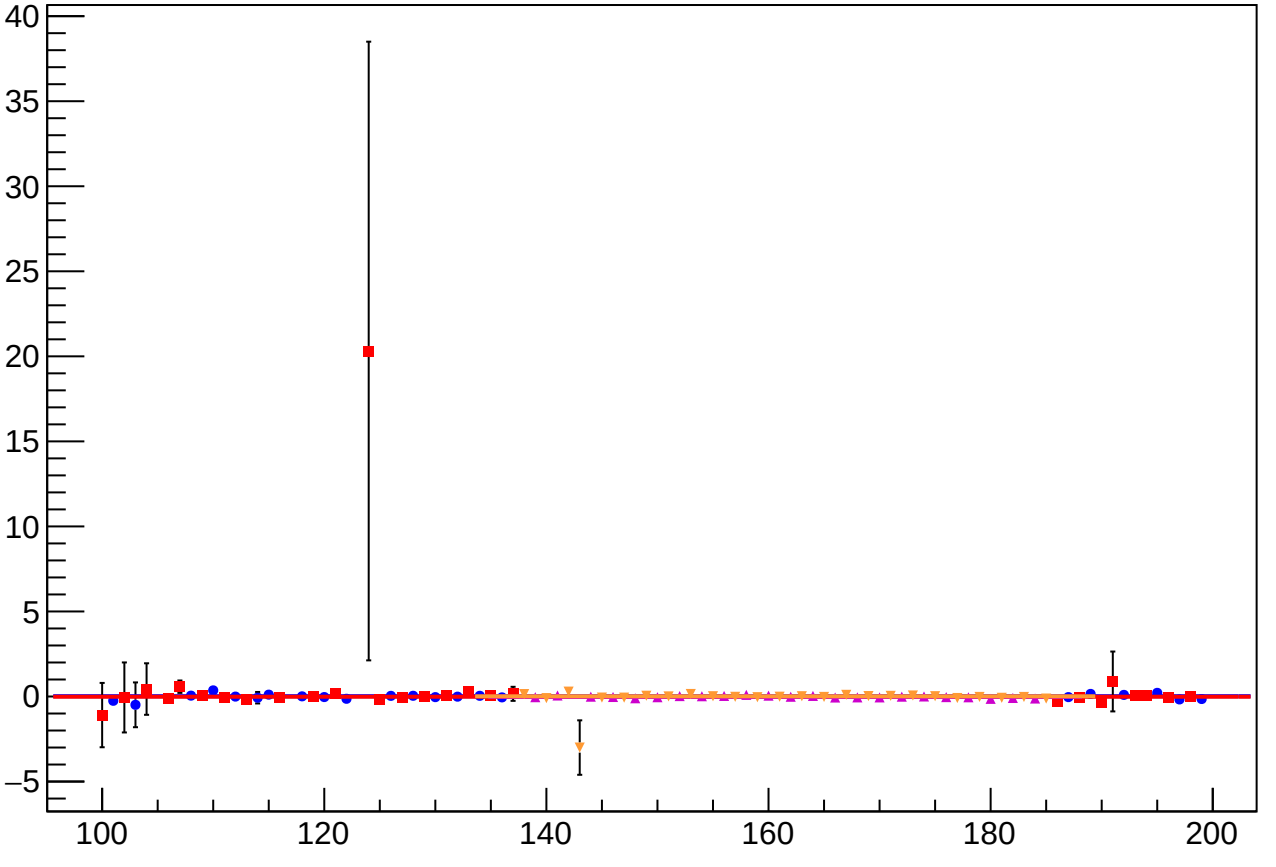
Right: 0.000+/-0.000 χ^2/NDF: 29717086.8/48

In: 0.001+/-0.000 χ^2/NDF:27005800.4/44

Out: 0.001+/-0.000 χ^2/NDF:29288862.1/51

All: 0.001+/-0.000 χ^2/NDF: 56296877.7/96

asym_at1_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.018+/-0.023 χ^2/NDF: 18.9/21

Left Out: 0.011+/-0.012 χ^2/NDF:29.6/24

Right Out: -0.013+/-0.022 χ^2/NDF: 23.9/26

Left In: -0.018+/-0.012 χ^2/NDF:20.3/22

Left: -0.004+/-0.009 χ^2/NDF: 52.8/47

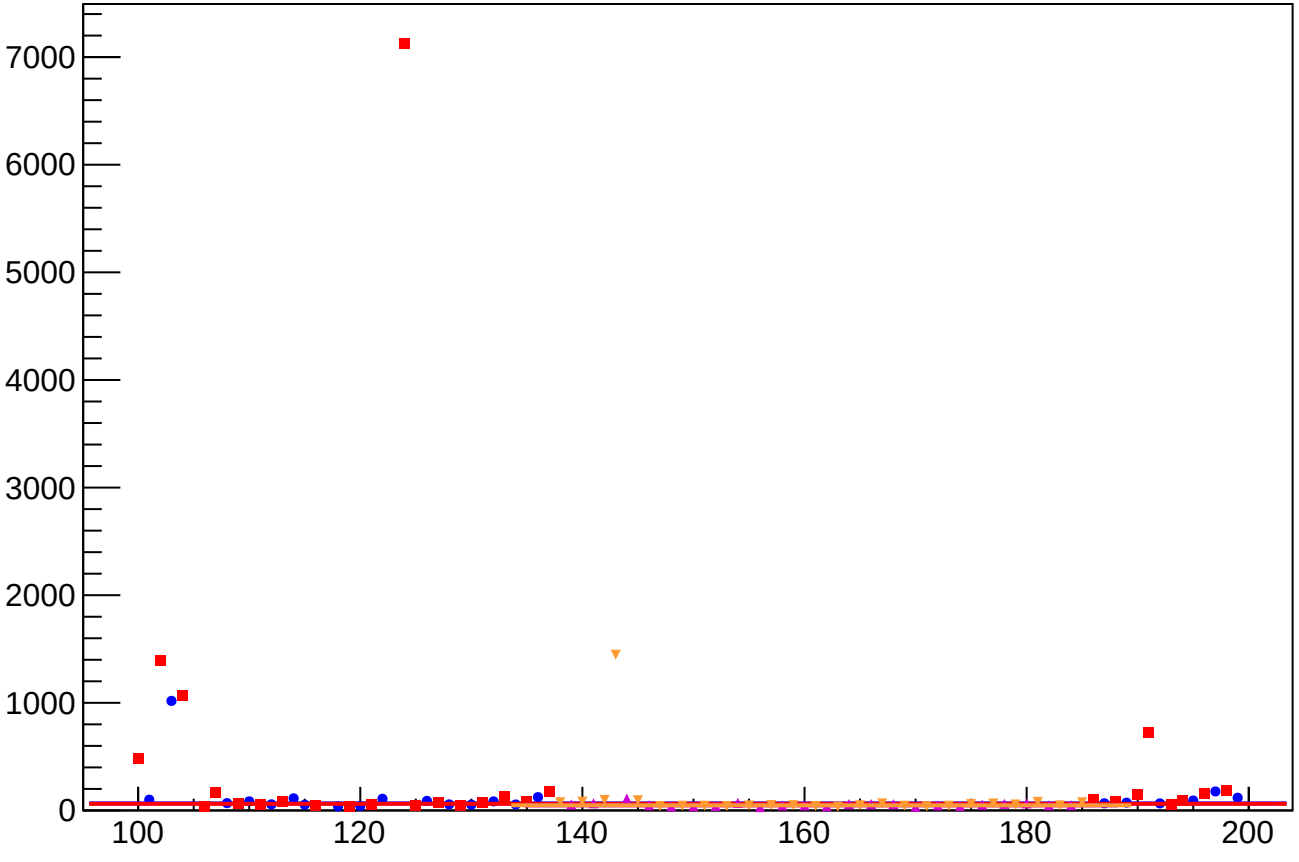
Right: 0.002+/-0.016 χ^2/NDF: 43.7/48

In: -0.010+/-0.011 χ^2/NDF:41.1/44

Out: 0.006+/-0.011 χ^2/NDF:54.4/51

All: -0.002+/-0.008 χ^2/NDF: 96.5/96

asym_at1_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 65.304+/-0.017 χ^2/NDF: 3528884.0/21

Left Out: 47.902+/-0.009 χ^2/NDF:3496571.8/24

Right Out: 61.894+/-0.016 χ^2/NDF: 5488324.4/26

Left In: 46.786+/-0.009 χ^2/NDF:1949480.3/22

Left: 47.335+/-0.006 χ^2/NDF: 5454214.5/47

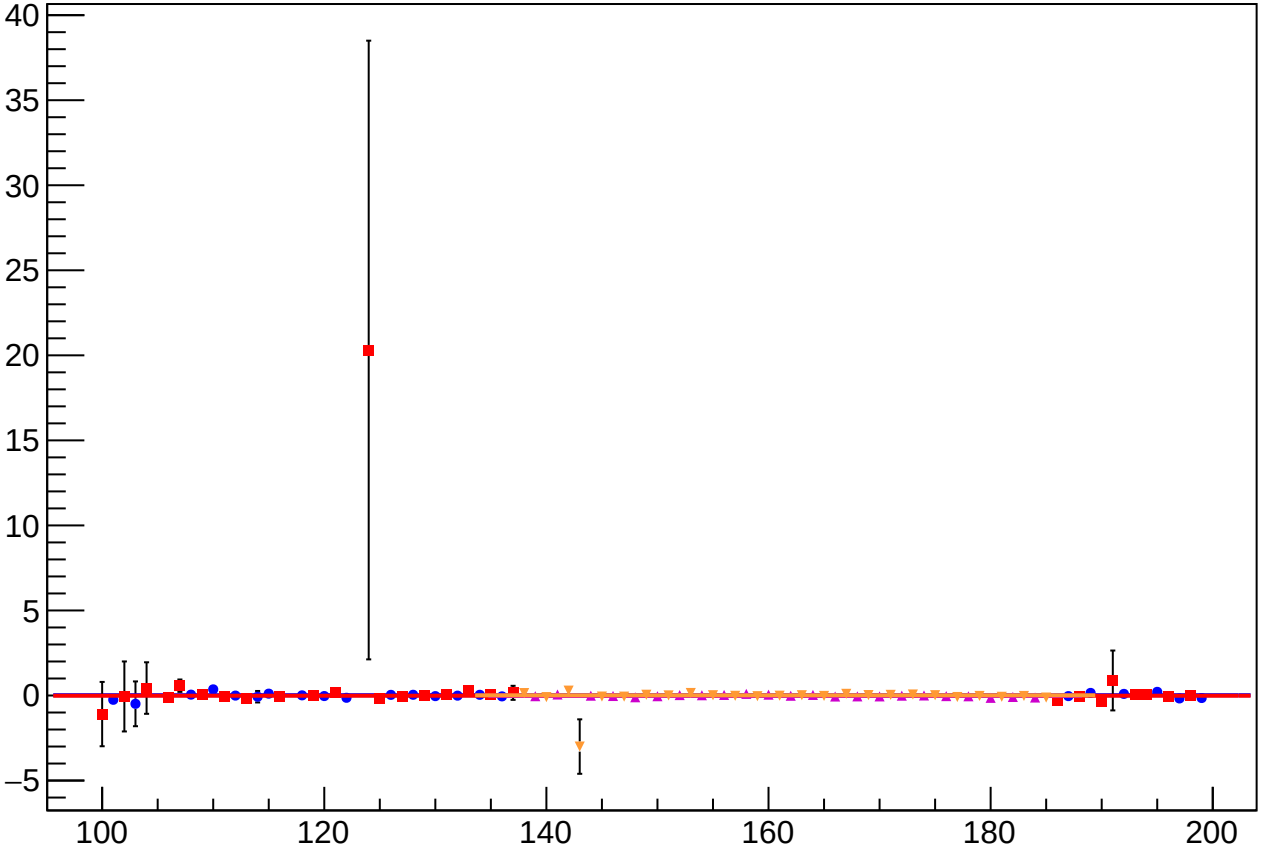
Right: 63.525+/-0.011 χ^2/NDF: 9039450.8/48

In: 50.783+/-0.008 χ^2/NDF:6464255.1/44

Out: 51.210+/-0.008 χ^2/NDF:9582928.2/51

All: 50.996+/-0.005 χ^2/NDF: 16048723.6/96

asym_at1_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.018+/-0.023 χ^2/NDF: 18.9/21

Left Out: 0.011+/-0.012 χ^2/NDF:29.6/24

Right Out: -0.013+/-0.022 χ^2/NDF: 23.9/26

Left In: -0.018+/-0.012 χ^2/NDF:20.3/22

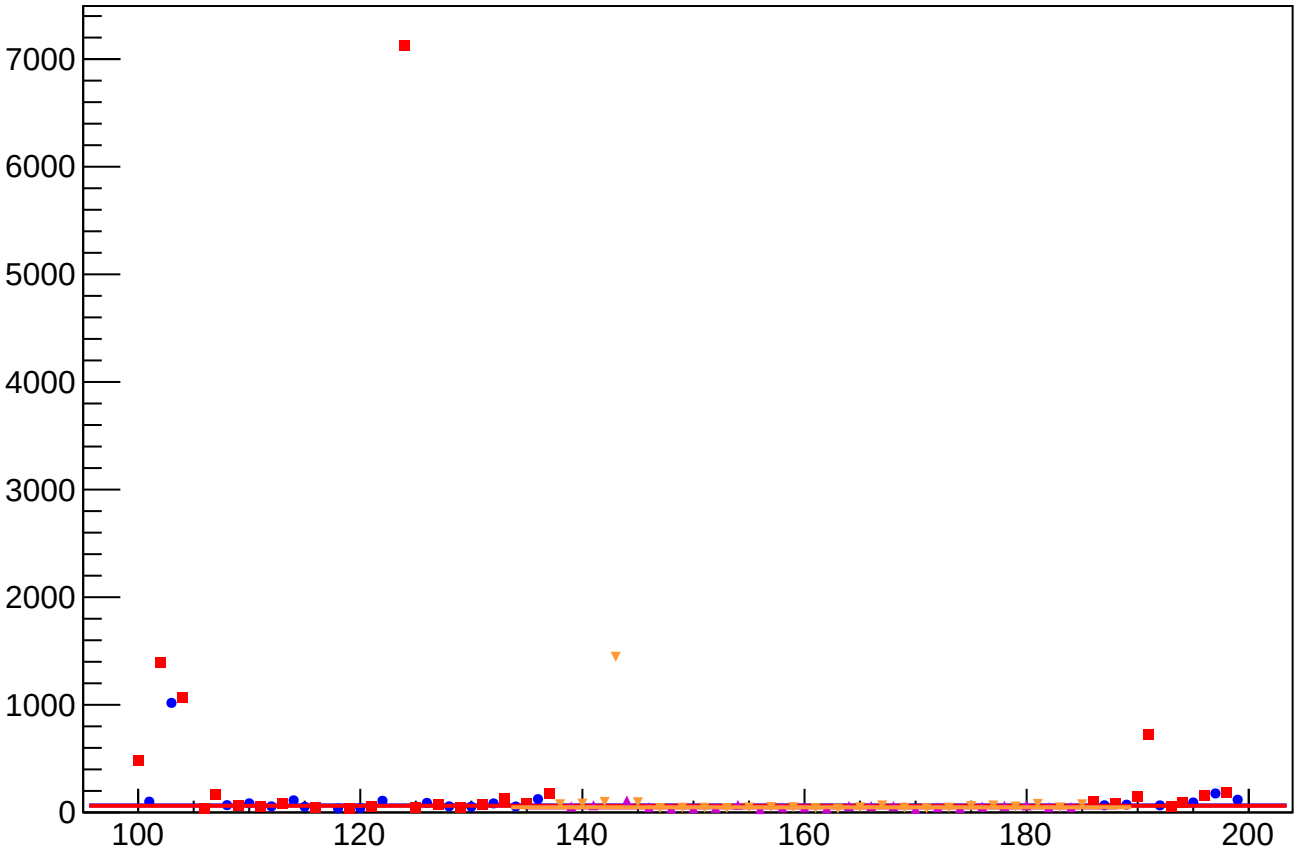
Left: -0.004+/-0.009 χ^2/NDF: 52.8/47

Right: 0.002+/-0.016 χ^2/NDF: 43.7/48

In: -0.010+/-0.011 χ^2/NDF:41.1/44

Out: 0.006+/-0.011 χ^2/NDF:54.4/51

All: -0.002+/-0.008 χ^2/NDF: 96.5/96



Right In: 65.304+/-0.017 χ^2/NDF: 3528884.0/21

Left Out: 47.902+/-0.009 χ^2/NDF:3496571.8/24

Right Out: 61.894+/-0.016 χ^2/NDF: 5488324.4/26

Left In: 46.786+/-0.009 χ^2/NDF:1949480.3/22

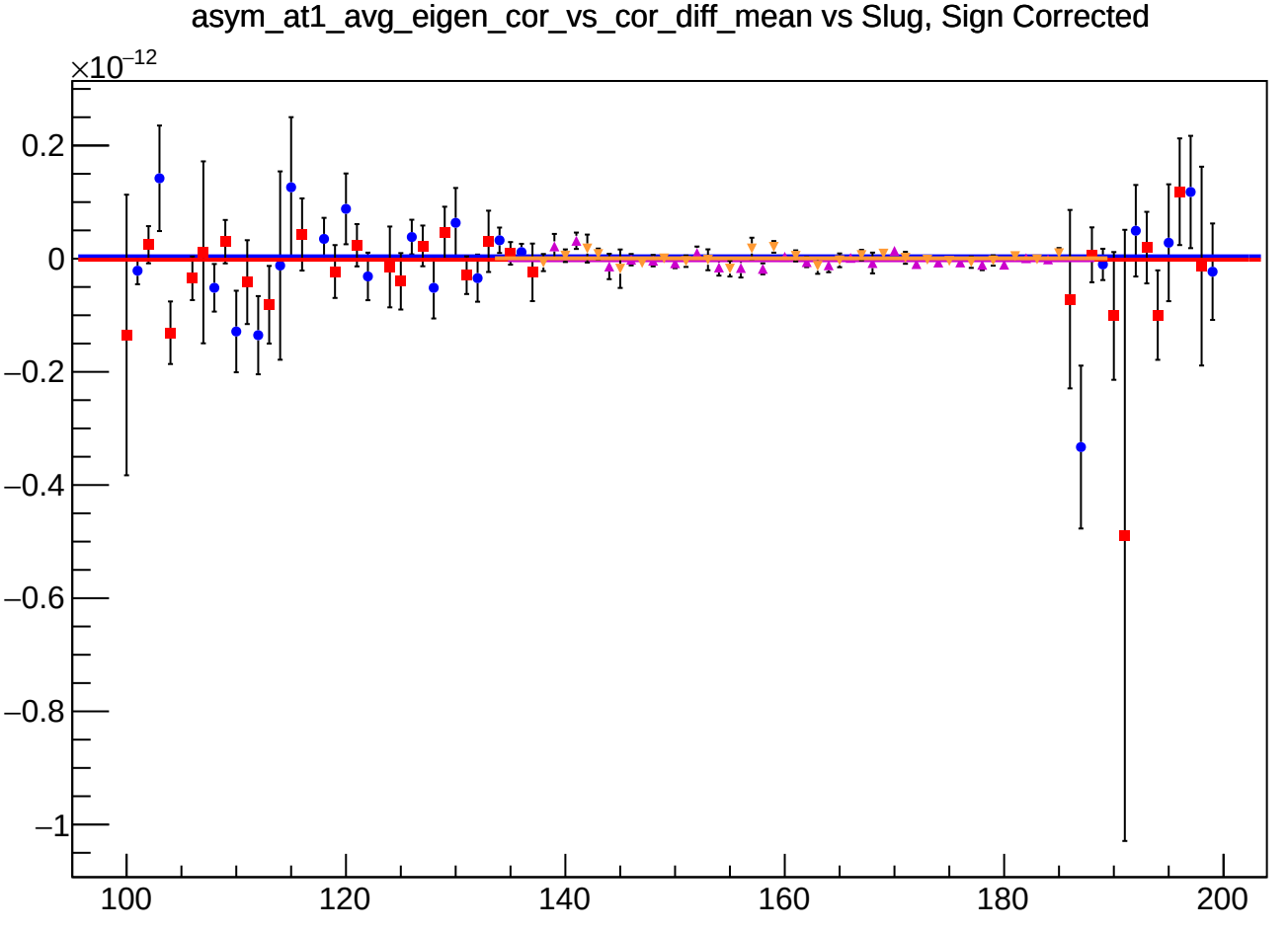
Left: 47.335+/-0.006 χ^2/NDF: 5454214.5/47

Right: 63.525+/-0.011 χ^2/NDF: 9039450.8/48

In: 50.783+/-0.008 χ^2/NDF:6464255.1/44

Out: 51.210+/-0.008 χ^2/NDF:9582928.2/51

All: 50.996+/-0.005 χ^2/NDF: 16048723.6/96



Right In: 0.000+/-0.000 χ^2/NDF: 30.2/21

Left Out: 0.000+/-0.000 χ^2/NDF:15.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 19.4/26

Left In: -0.000+/-0.000 χ^2/NDF:21.8/22

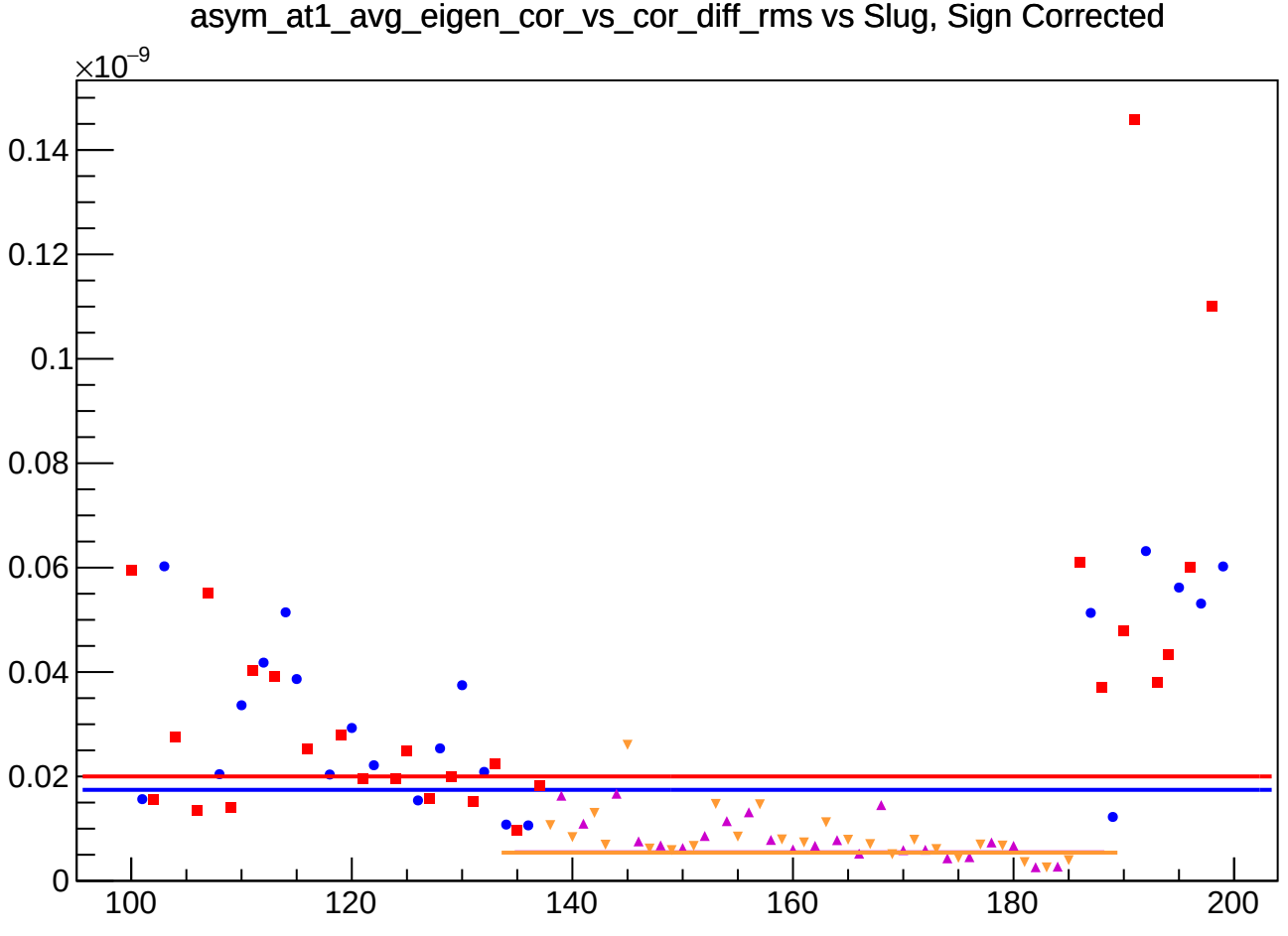
Left: -0.000+/-0.000 χ^2/NDF: 38.7/47

Right: 0.000+/-0.000 χ^2/NDF: 49.8/48

In: -0.000+/-0.000 χ^2/NDF:52.6/44

Out: 0.000+/-0.000 χ^2/NDF:34.6/51

All: -0.000+/-0.000 χ^2/NDF: 88.6/96



Right In: 0.000+/-0.000 χ^2/NDF: 3792934.4/21

Left Out: 0.000+/-0.000 χ^2/NDF:5134602.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3172476.7/26

Left In: 0.000+/-0.000 χ^2/NDF:4905821.2/22

Left: 0.000+/-0.000 χ^2/NDF: 10041467.9/47

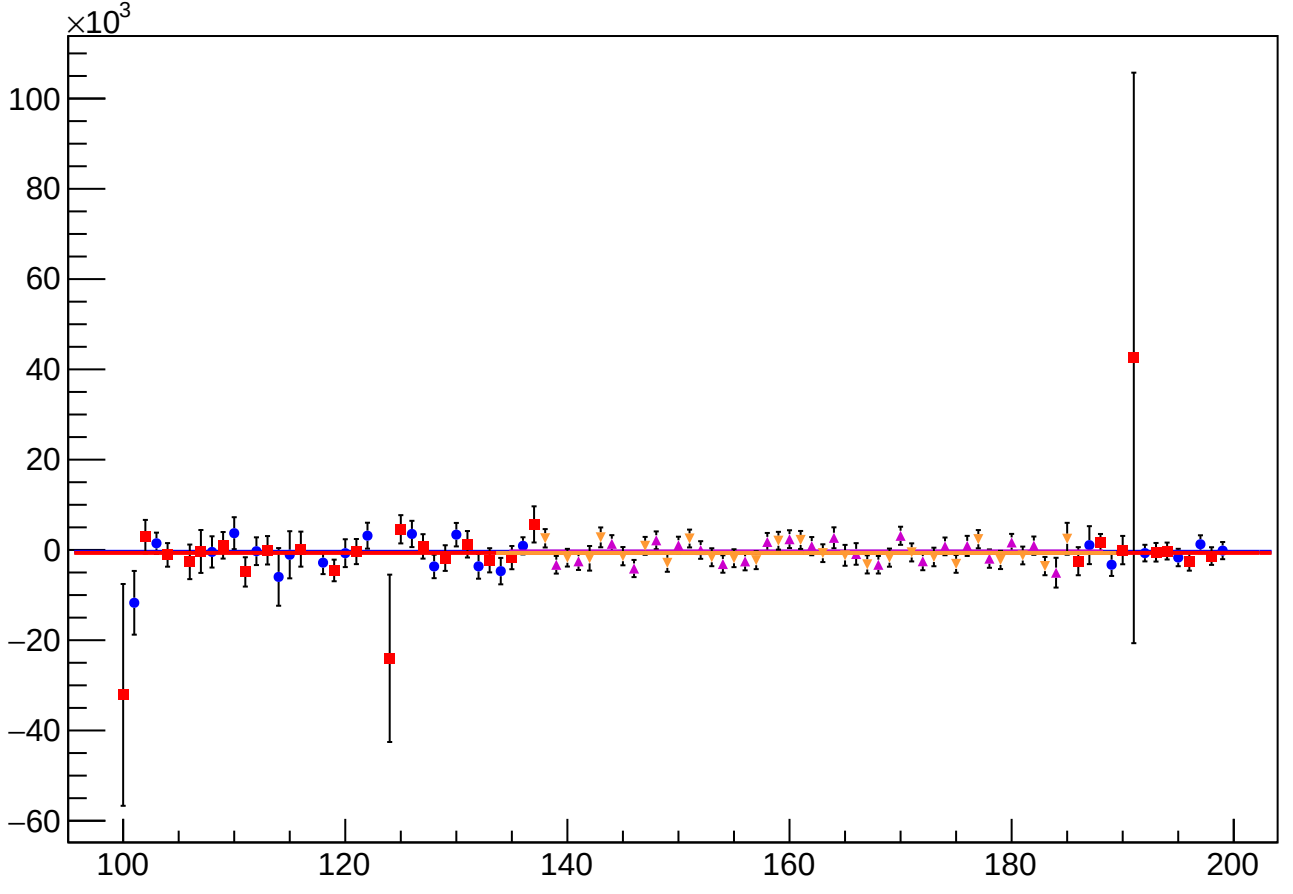
Right: 0.000+/-0.000 χ^2/NDF: 7051859.5/48

In: 0.000+/-0.000 χ^2/NDF:12863487.2/44

Out: 0.000+/-0.000 χ^2/NDF:13073885.0/51

All: 0.000+/-0.000 χ^2/NDF: 25942845.0/96

reg_asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -417.432+/-562.047 χ^2/NDF: 20.0/21

Left Out: -670.041+/-412.206 χ^2/NDF:24.7/24

Right Out: -658.548+/-546.243 χ^2/NDF: 19.2/26

Left In: -342.945+/-422.712 χ^2/NDF:30.1/22

Left: -510.608+/-295.118 χ^2/NDF: 55.1/47

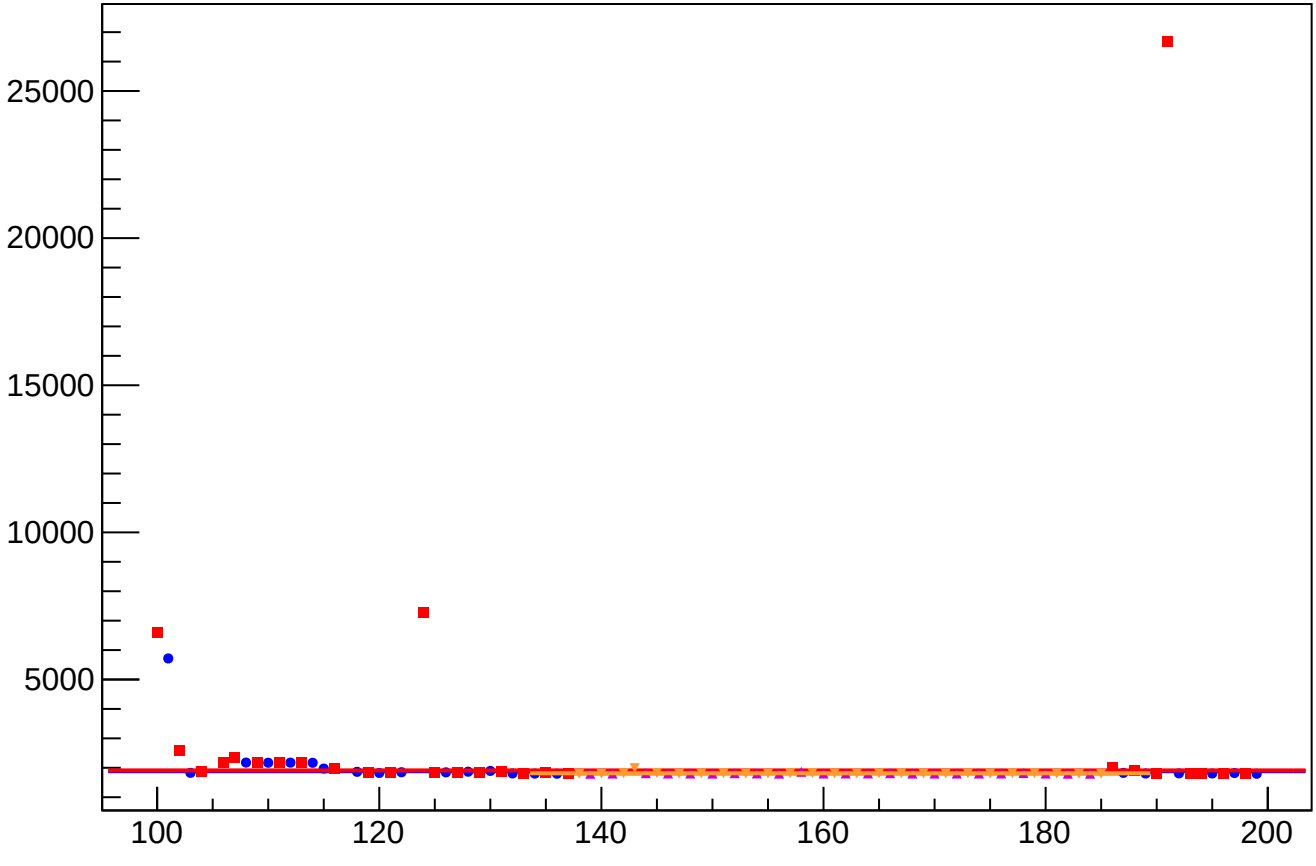
Right: -541.428+/-391.720 χ^2/NDF: 39.3/48

In: -369.856+/-337.830 χ^2/NDF:50.0/44

Out: -665.871+/-329.033 χ^2/NDF:44.0/51

All: -521.767+/-235.710 χ^2/NDF: 94.4/96

reg_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1882.198+/-0.397 χ^2/NDF: 664232.7/21

Left Out: 1814.435+/-0.291 χ^2/NDF:13102.1/24

Right Out: 1911.474+/-0.386 χ^2/NDF: 728030.2/26

Left In: 1810.457+/-0.299 χ^2/NDF:1967.2/22

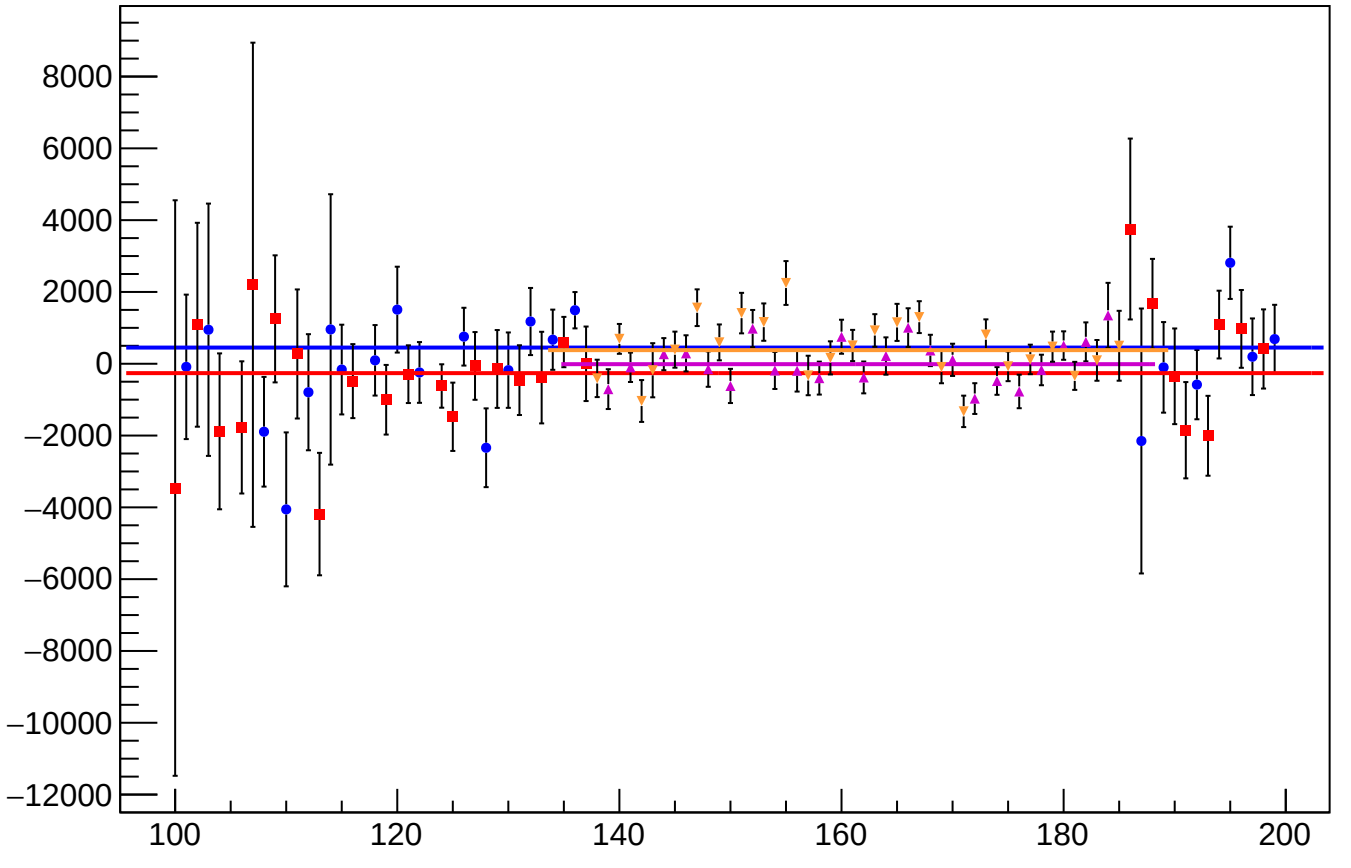
Left: 1812.496+/-0.209 χ^2/NDF: 15160.0/47

Right: 1897.253+/-0.277 χ^2/NDF: 1395053.5/48

In: 1836.376+/-0.239 χ^2/NDF:687012.1/44

Out: 1849.644+/-0.233 χ^2/NDF:781349.0/51

All: 1843.185+/-0.167 χ^2/NDF: 1469944.2/96



Right In: 450.799+/-225.324 χ^2/NDF: 28.6/21

Left Out: 379.353+/-97.013 χ^2/NDF:62.3/24

Right Out: -261.063+/-217.365 χ^2/NDF: 24.7/26

Left In: -11.527+/-98.976 χ^2/NDF:31.1/22

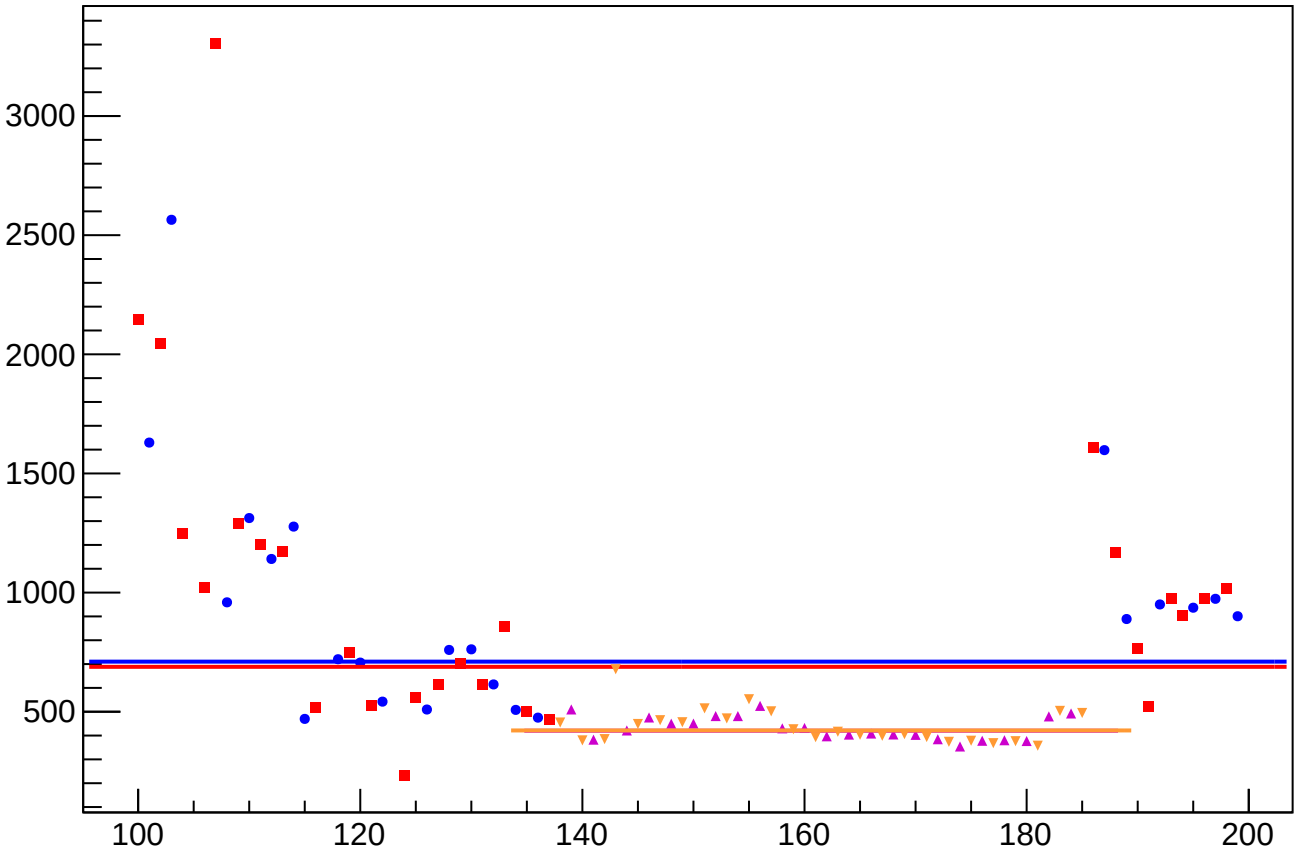
Left: 187.827+/-69.282 χ^2/NDF: 101.4/47

Right: 82.074+/-156.438 χ^2/NDF: 58.5/48

In: 63.250+/-90.619 χ^2/NDF:63.3/44

Out: 272.975+/-88.590 χ^2/NDF:94.2/51

All: 170.486+/-63.348 χ^2/NDF: 160.2/96



Right In: 710.220+/-0.159 χ^2/NDF: 2811216.4/21

Left Out: 421.417+/-0.069 χ^2/NDF:743048.1/24

Right Out: 688.427+/-0.154 χ^2/NDF: 4342571.3/26

Left In: 420.222+/-0.070 χ^2/NDF:413129.7/22

Left: 420.831+/-0.049 χ^2/NDF: 1156326.3/47

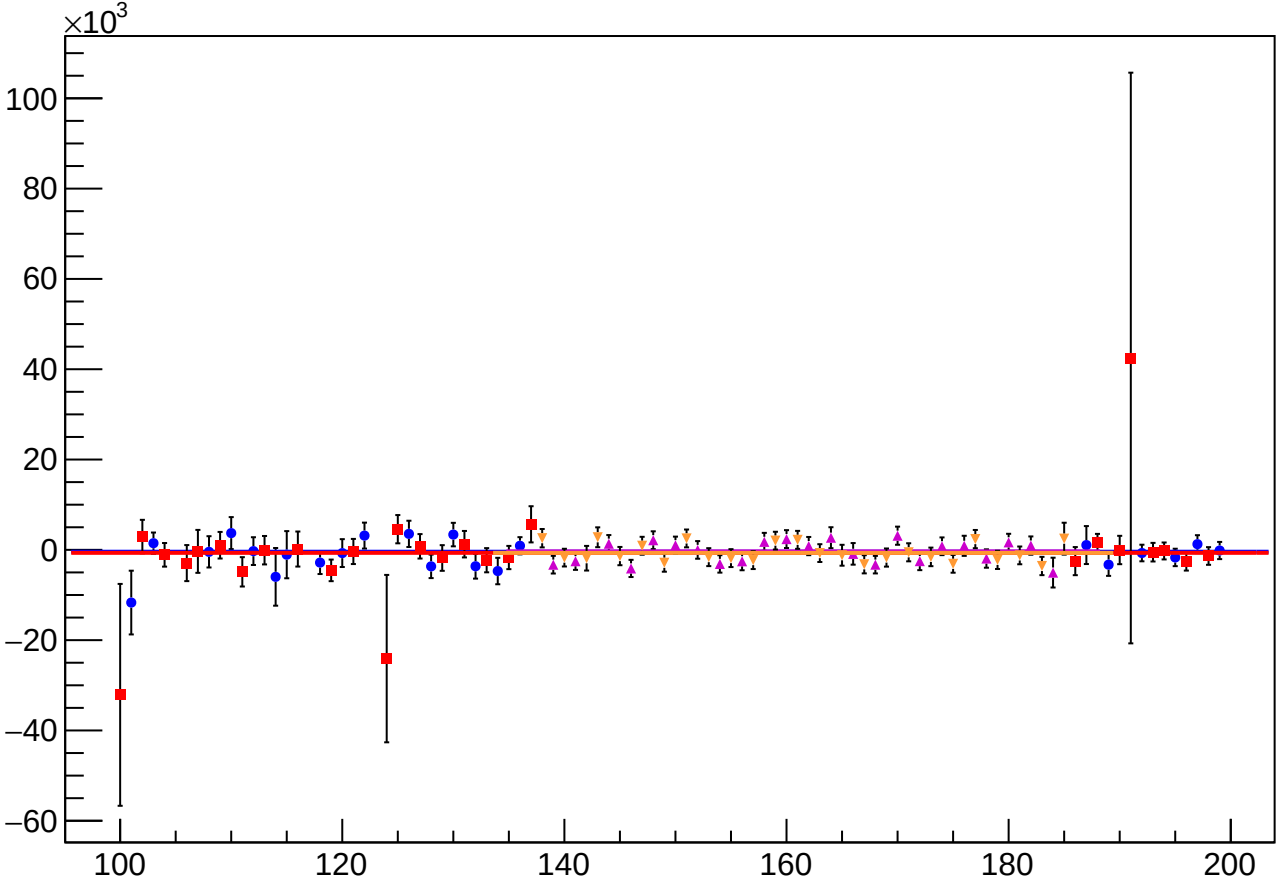
Right: 698.932+/-0.111 χ^2/NDF: 7163478.5/48

In: 467.127+/-0.064 χ^2/NDF:6001391.9/44

Out: 465.769+/-0.063 χ^2/NDF:7602236.1/51

All: 466.433+/-0.045 χ^2/NDF: 13603857.7/96

cor_asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -416.985+/-562.047 χ^2/NDF: 19.9/21

Left Out: -670.031+/-412.206 χ^2/NDF:24.7/24

Right Out: -661.155+/-546.681 χ^2/NDF: 19.3/26

Left In: -342.989+/-422.712 χ^2/NDF:30.1/22

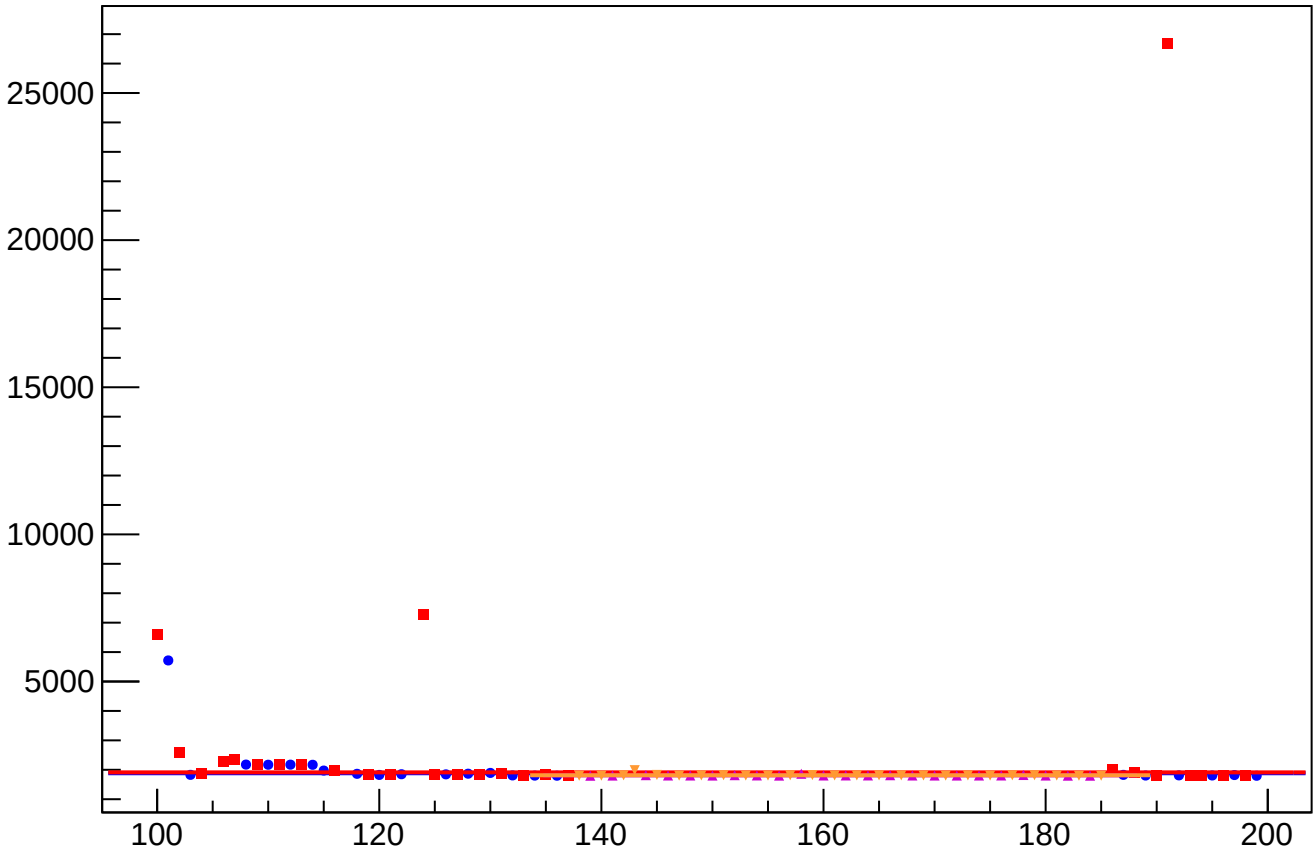
Left: -510.625+/-295.118 χ^2/NDF: 55.1/47

Right: -542.453+/-391.882 χ^2/NDF: 39.3/48

In: -369.723+/-337.830 χ^2/NDF:50.0/44

Out: -666.814+/-329.129 χ^2/NDF:44.0/51

All: -522.143+/-235.745 χ^2/NDF: 94.5/96



Right In: 1882.198+/-0.397 χ^2/NDF: 664232.6/21

Left Out: 1814.435+/-0.291 χ^2/NDF:13102.1/24

Right Out: 1912.567+/-0.387 χ^2/NDF: 733717.6/26

Left In: 1810.457+/-0.299 χ^2/NDF:1967.2/22

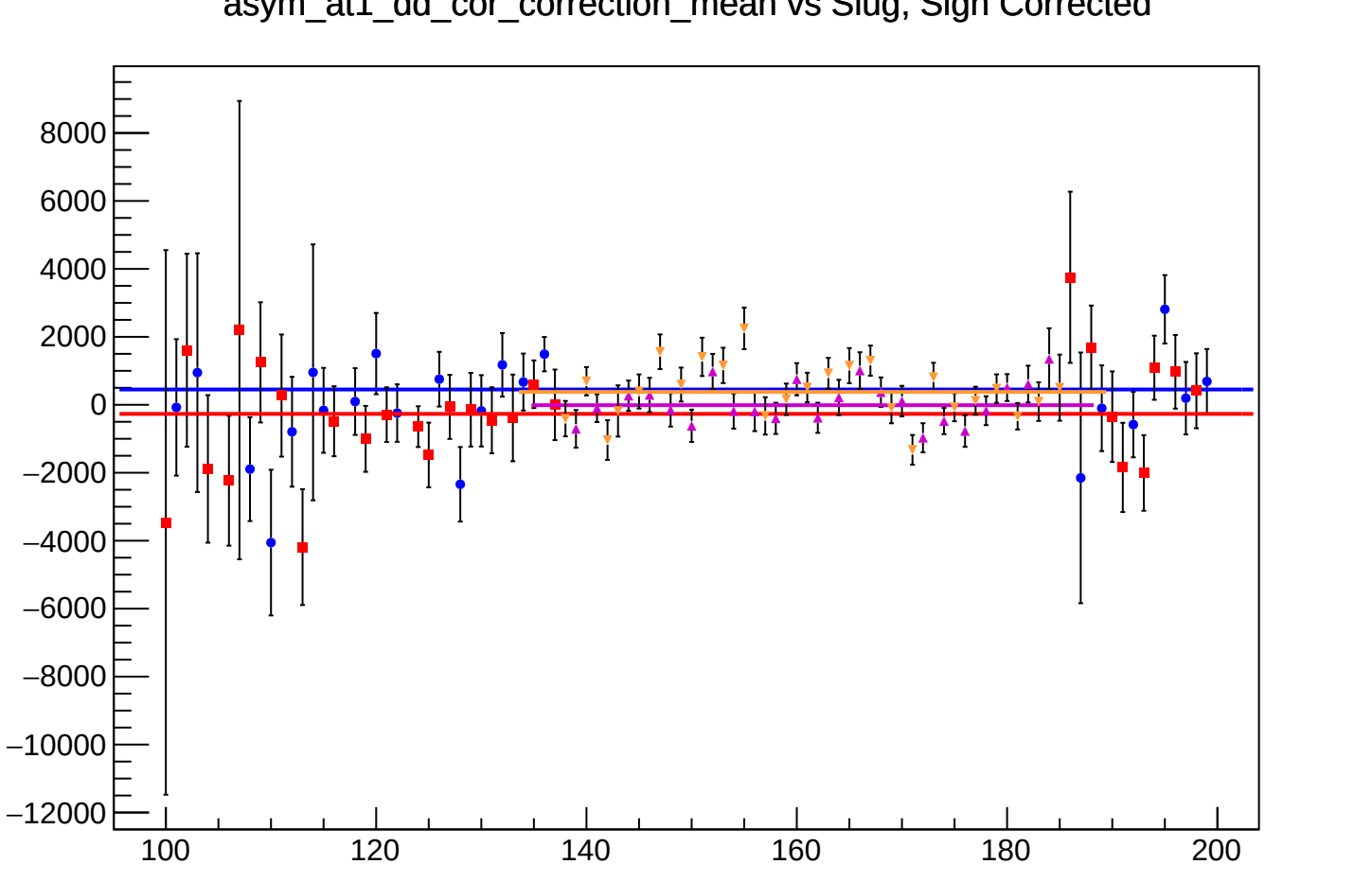
Left: 1812.496+/-0.209 χ^2/NDF: 15160.0/47

Right: 1897.803+/-0.277 χ^2/NDF: 1400950.7/48

In: 1836.376+/-0.239 χ^2/NDF:687011.9/44

Out: 1850.004+/-0.233 χ^2/NDF:787905.5/51

All: 1843.368+/-0.167 χ^2/NDF: 1476587.2/96



Right In: 450.827+/-225.317 χ^2/NDF: 28.6/21

Left Out: 379.343+/-97.014 χ^2/NDF:62.3/24

Right Out: -267.662+/-217.149 χ^2/NDF: 25.4/26

Left In: -11.539+/-98.975 χ^2/NDF:31.1/22

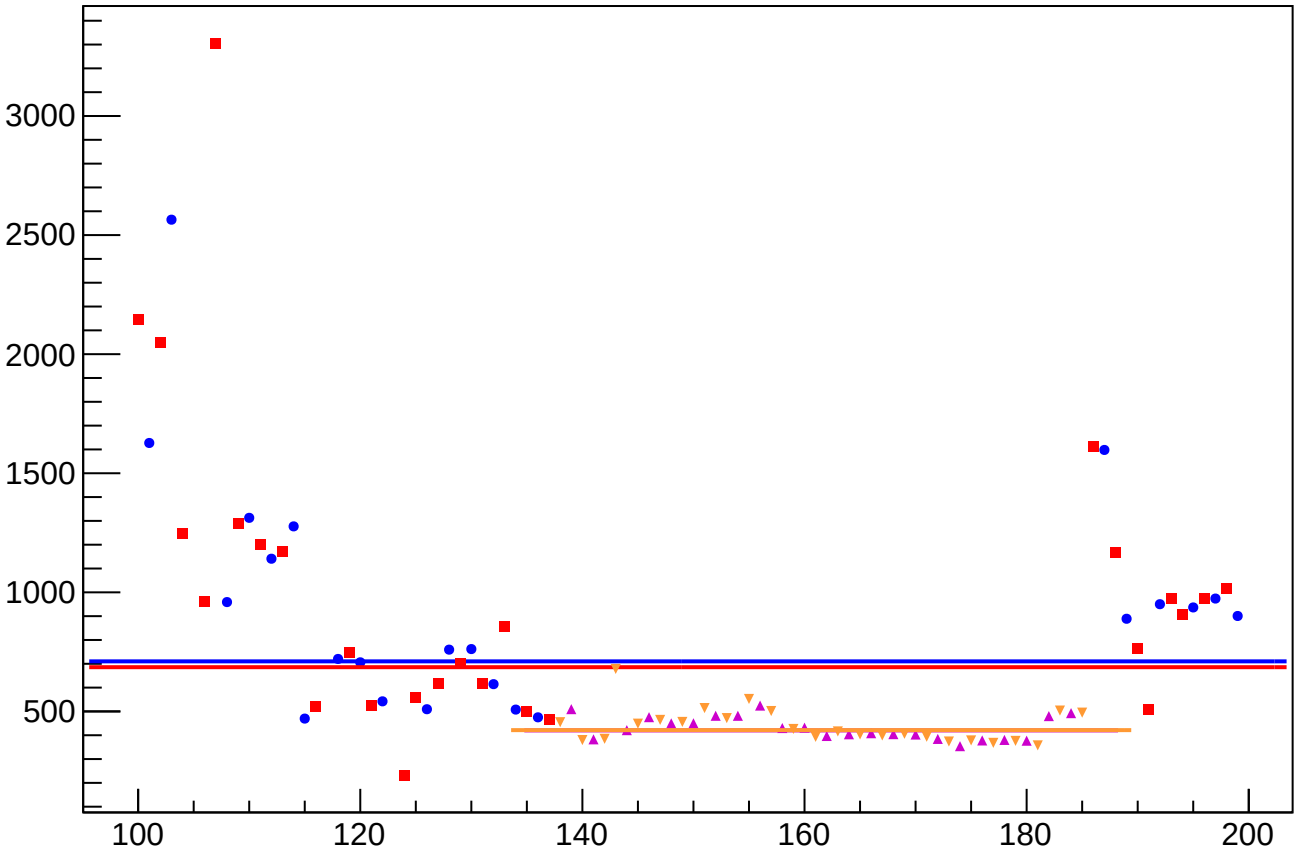
Left: 187.813+/-69.282 χ^2/NDF: 101.4/47

Right: 78.323+/-156.356 χ^2/NDF: 59.3/48

In: 63.247+/-90.618 χ^2/NDF:63.3/44

Out: 271.691+/-88.576 χ^2/NDF:95.1/51

All: 169.844+/-63.342 χ^2/NDF: 161.1/96



Right In: 710.215+/-0.159 χ^2/NDF: 2810400.4/21

Left Out: 421.420+/-0.069 χ^2/NDF:742987.6/24

Right Out: 685.717+/-0.154 χ^2/NDF: 4351833.7/26

Left In: 420.218+/-0.070 χ^2/NDF:413172.4/22

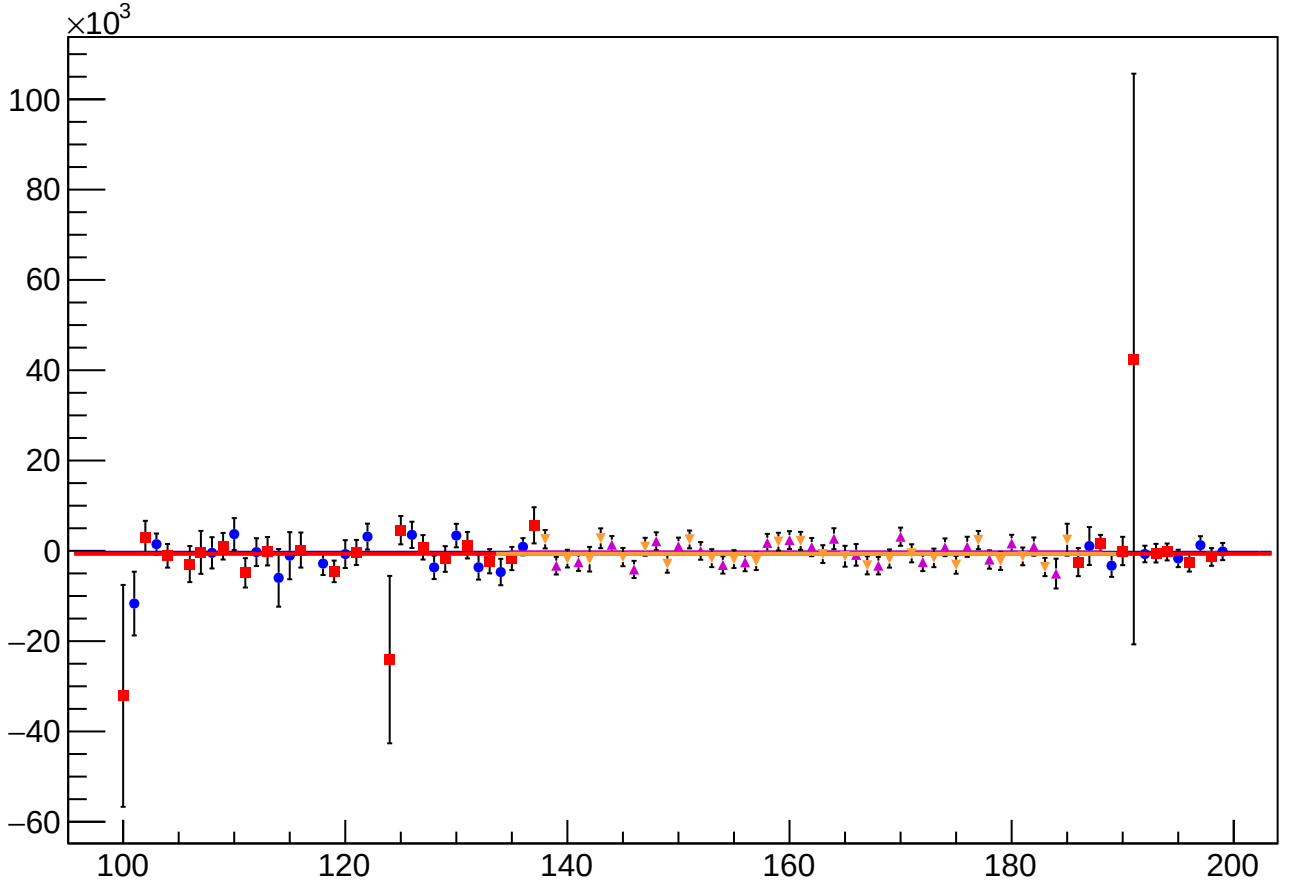
Left: 420.831+/-0.049 χ^2/NDF: 1156310.3/47

Right: 697.514+/-0.111 χ^2/NDF: 7174492.6/48

In: 467.125+/-0.064 χ^2/NDF:6000747.1/44

Out: 465.395+/-0.063 χ^2/NDF:7564631.2/51

All: 466.240+/-0.045 χ^2/NDF: 13565750.9/96



Right In: -416.985+/-562.047 χ^2/NDF: 19.9/21

Left Out: -670.031+/-412.206 χ^2/NDF:24.7/24

Right Out: -661.155+/-546.681 χ^2/NDF: 19.3/26

Left In: -342.989+/-422.712 χ^2/NDF:30.1/22

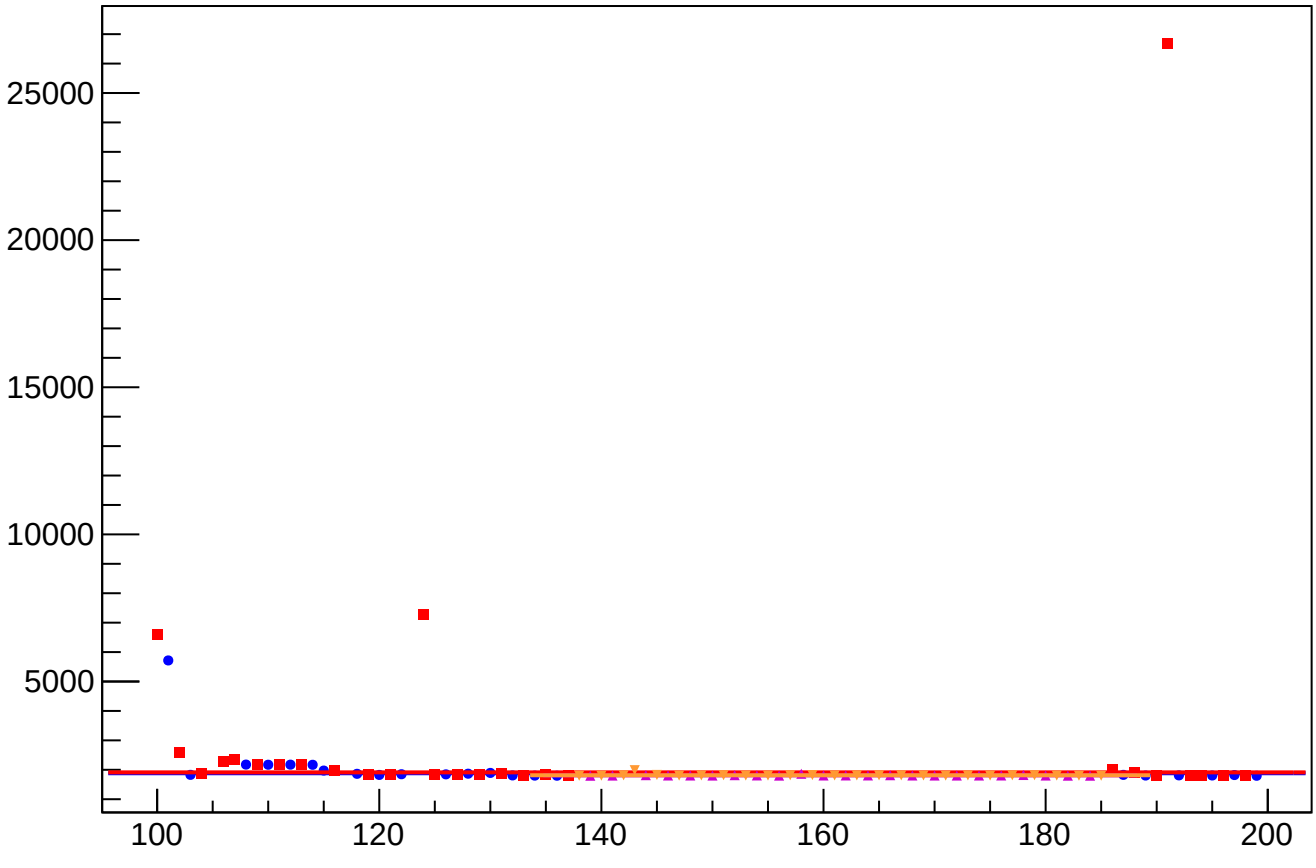
Left: -510.625+/-295.118 χ^2/NDF: 55.1/47

Right: -542.453+/-391.882 χ^2/NDF: 39.3/48

In: -369.723+/-337.830 χ^2/NDF:50.0/44

Out: -666.814+/-329.129 χ^2/NDF:44.0/51

All: -522.143+/-235.745 χ^2/NDF: 94.5/96



Right In: 1882.198+/-0.397 χ^2/NDF: 664232.6/21

Left Out: 1814.435+/-0.291 χ^2/NDF:13102.1/24

Right Out: 1912.567+/-0.387 χ^2/NDF: 733717.6/26

Left In: 1810.457+/-0.299 χ^2/NDF:1967.2/22

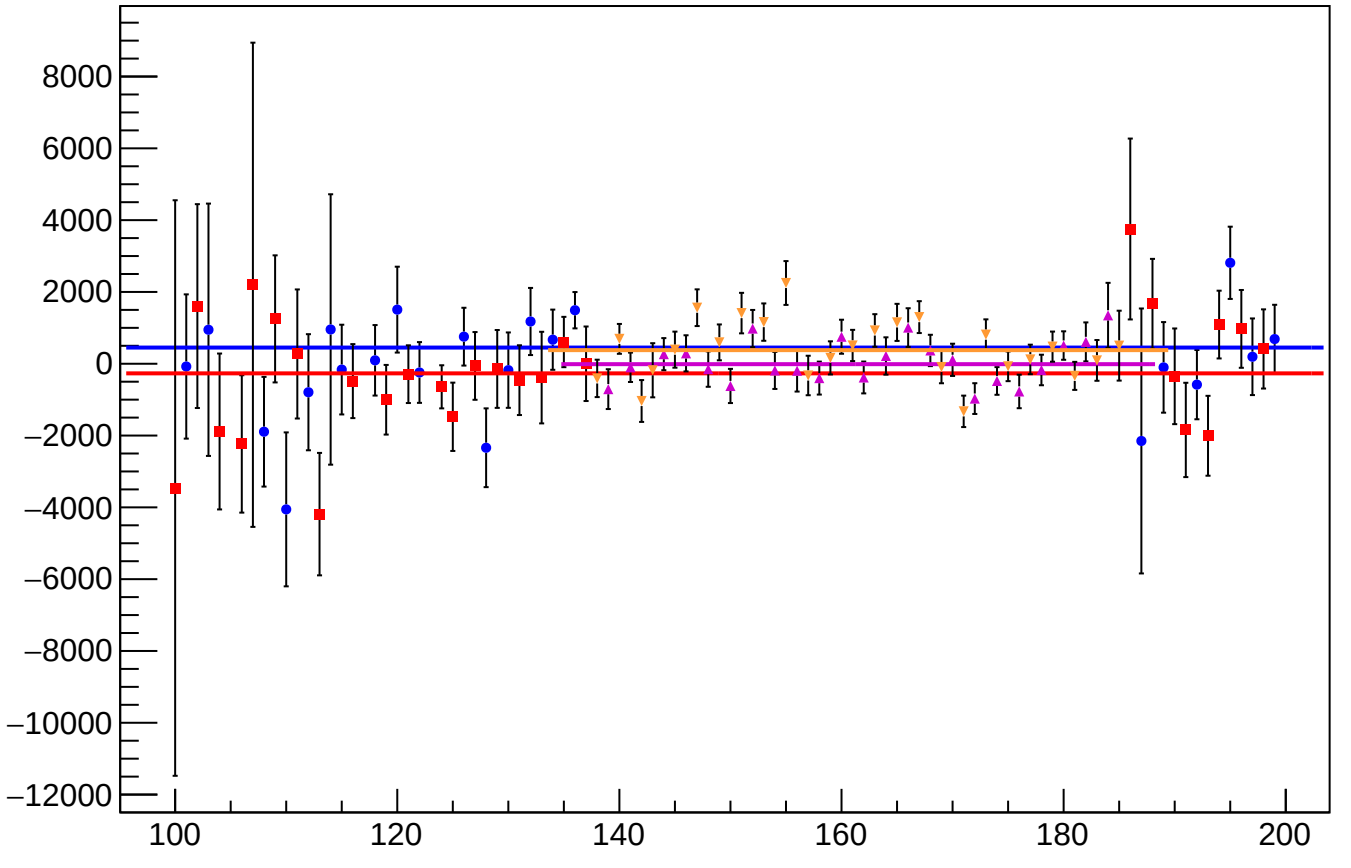
Left: 1812.496+/-0.209 χ^2/NDF: 15160.0/47

Right: 1897.803+/-0.277 χ^2/NDF: 1400950.7/48

In: 1836.376+/-0.239 χ^2/NDF:687011.9/44

Out: 1850.004+/-0.233 χ^2/NDF:787905.5/51

All: 1843.368+/-0.167 χ^2/NDF: 1476587.2/96



Right In: 450.827+/-225.317 χ^2/NDF: 28.6/21

Left Out: 379.343+/-97.014 χ^2/NDF:62.3/24

Right Out: -267.662+/-217.149 χ^2/NDF: 25.4/26

Left In: -11.539+/-98.975 χ^2/NDF:31.1/22

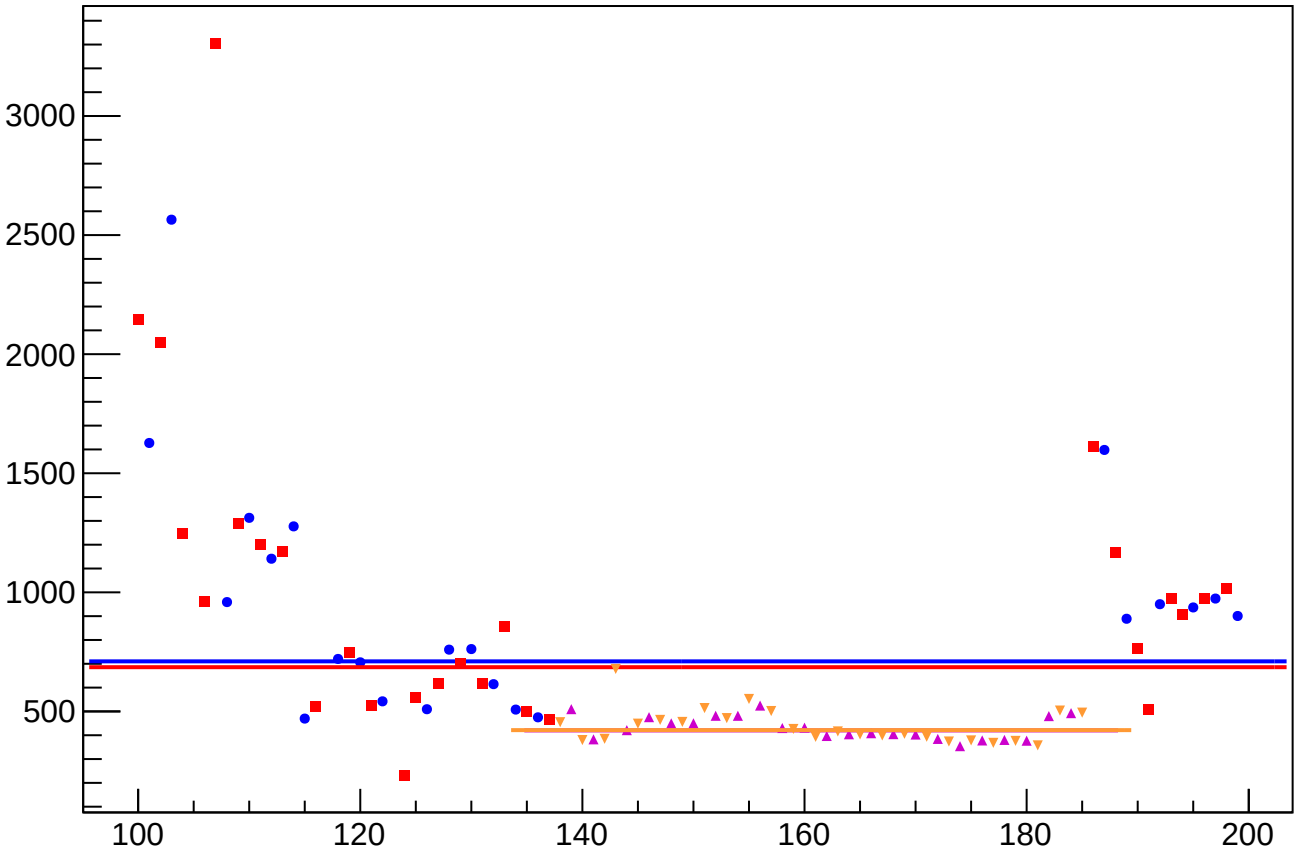
Left: 187.813+/-69.282 χ^2/NDF: 101.4/47

Right: 78.323+/-156.356 χ^2/NDF: 59.3/48

In: 63.247+/-90.618 χ^2/NDF:63.3/44

Out: 271.691+/-88.576 χ^2/NDF:95.1/51

All: 169.844+/-63.342 χ^2/NDF: 161.1/96



Right In: 710.215+/-0.159 χ^2/NDF: 2810400.4/21

Left Out: 421.420+/-0.069 χ^2/NDF:742987.6/24

Right Out: 685.717+/-0.154 χ^2/NDF: 4351833.7/26

Left In: 420.218+/-0.070 χ^2/NDF:413172.4/22

Left: 420.831+/-0.049 χ^2/NDF: 1156310.3/47

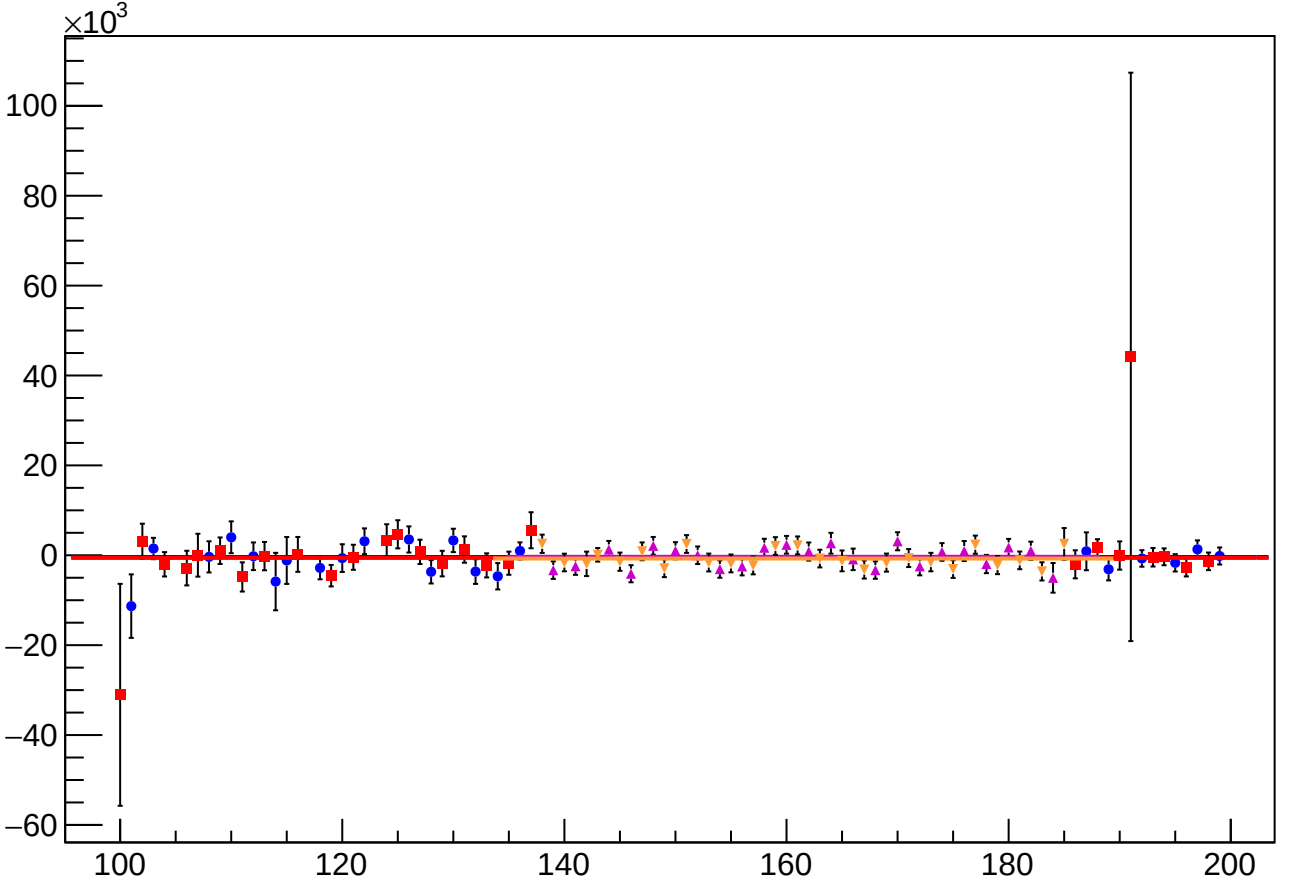
Right: 697.514+/-0.111 χ^2/NDF: 7174492.6/48

In: 467.125+/-0.064 χ^2/NDF:6000747.1/44

Out: 465.395+/-0.063 χ^2/NDF:7564631.2/51

All: 466.240+/-0.045 χ^2/NDF: 13565750.9/96

dit_asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -389.714+/-562.711 χ^2/NDF: 19.7/21

Left Out: -724.527+/-404.417 χ^2/NDF:22.2/24

Right Out: -586.035+/-542.196 χ^2/NDF: 19.0/26

Left In: -341.223+/-422.858 χ^2/NDF:29.6/22

Left: -541.415+/-292.268 χ^2/NDF: 52.3/47

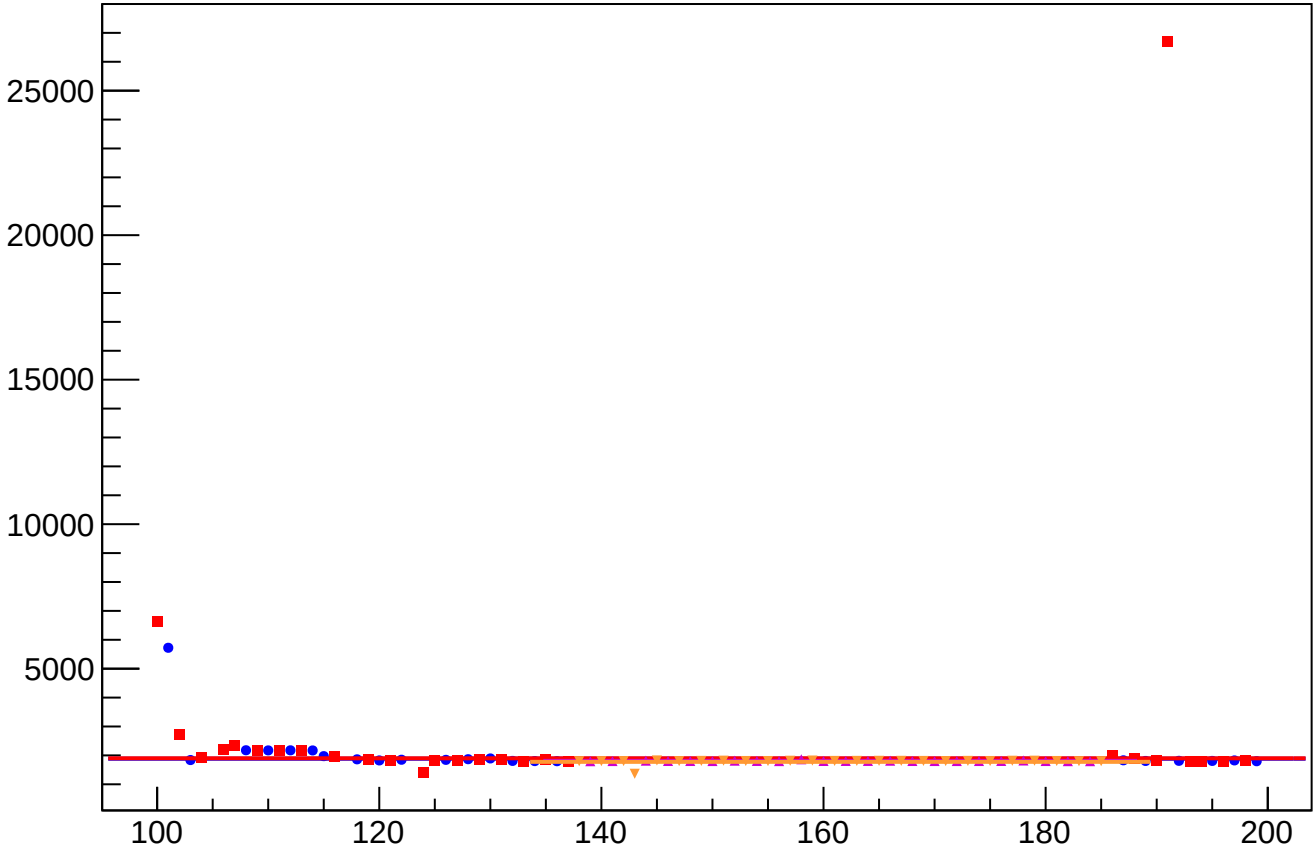
Right: -491.518+/-390.441 χ^2/NDF: 38.7/48

In: -358.723+/-338.048 χ^2/NDF:49.3/44

Out: -675.021+/-324.173 χ^2/NDF:41.2/51

All: -523.497+/-233.976 χ^2/NDF: 91.0/96

dit_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1884.259+/-0.398 χ^2/NDF: 663843.9/21

Left Out: 1776.721+/-0.286 χ^2/NDF:161294.8/24

Right Out: 1899.643+/-0.383 χ^2/NDF: 615895.6/26

Left In: 1811.084+/-0.299 χ^2/NDF:1965.1/22

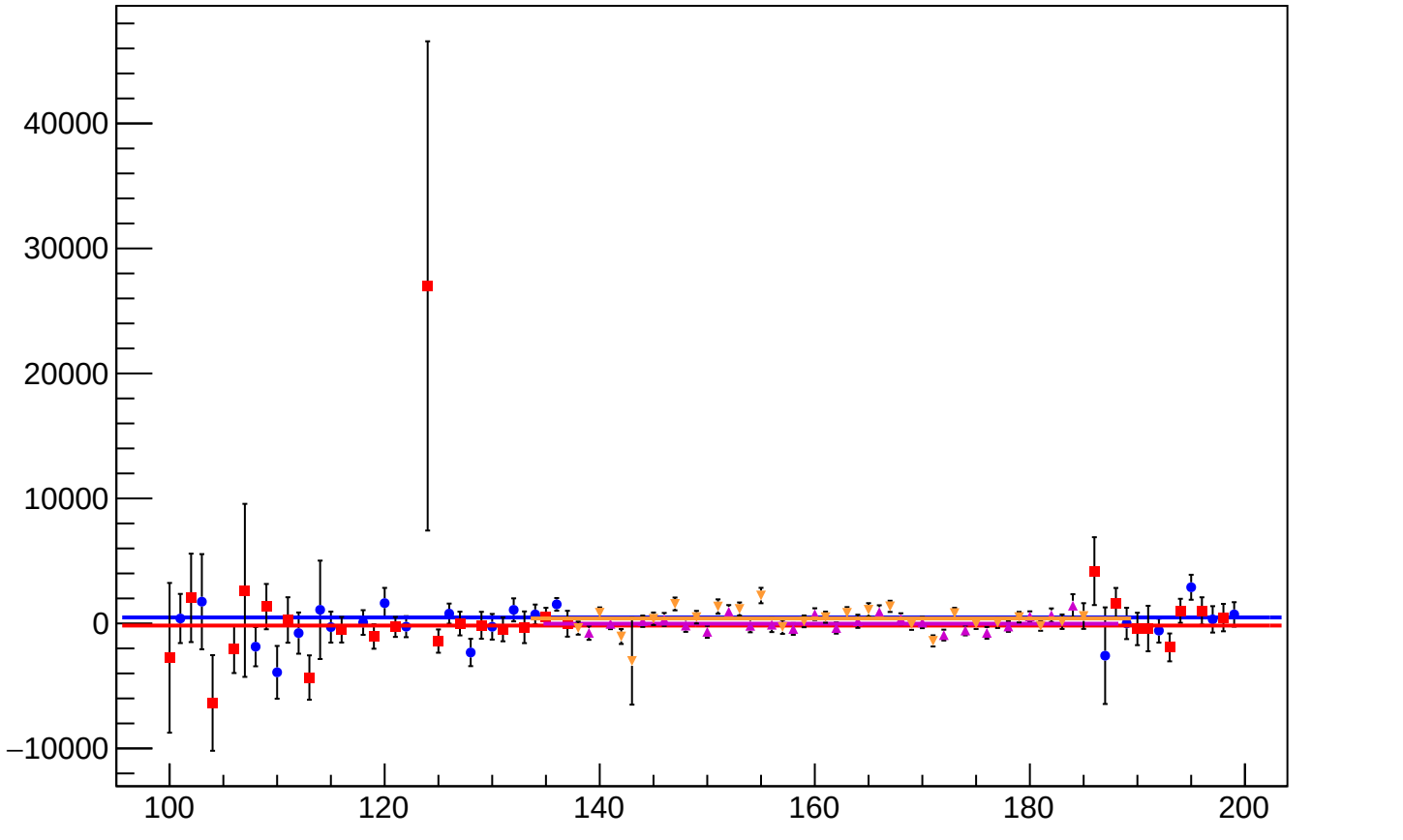
Left: 1793.137+/-0.207 χ^2/NDF: 170157.7/47

Right: 1892.236+/-0.276 χ^2/NDF: 1280514.7/48

In: 1837.492+/-0.239 χ^2/NDF:687424.1/44

Out: 1820.662+/-0.229 χ^2/NDF:843240.0/51

All: 1828.725+/-0.165 χ^2/NDF: 1533246.6/96



Right In: 478.652+/-224.095 χ^2/NDF: 29.4/21

Left Out: 398.269+/-99.165 χ^2/NDF:60.5/24

Right Out: -169.996+/-235.531 χ^2/NDF: 26.6/26

Left In: -21.453+/-100.264 χ^2/NDF:30.8/22

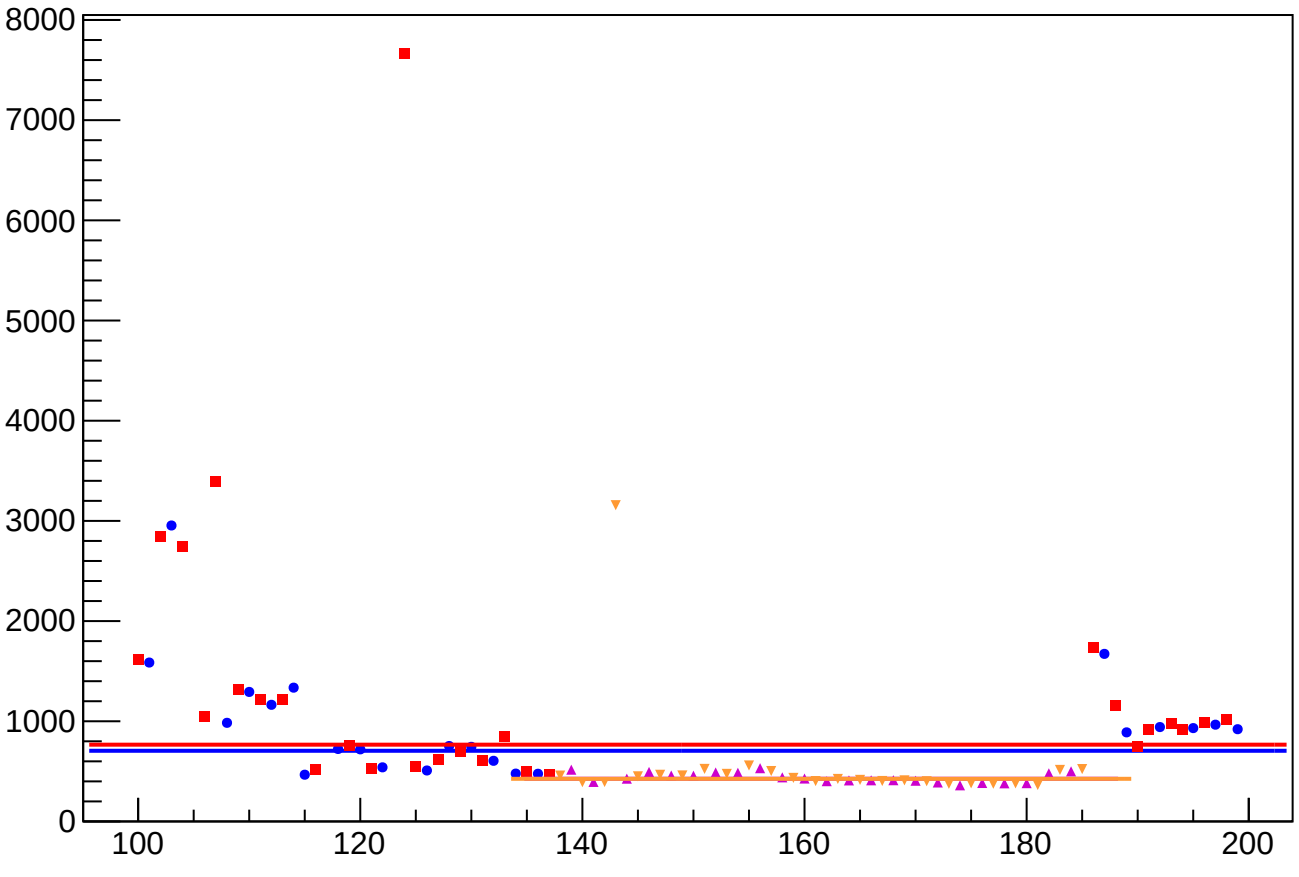
Left: 190.721+/-70.506 χ^2/NDF: 100.2/47

Right: 170.457+/-162.352 χ^2/NDF: 60.0/48

In: 61.961+/-91.521 χ^2/NDF:64.4/44

Out: 312.704+/-91.395 χ^2/NDF:92.0/51

All: 187.506+/-64.670 χ^2/NDF: 160.2/96



Right In: 705.427+/-0.158 χ^2/NDF: 3014610.3/21

Left Out: 425.697+/-0.070 χ^2/NDF:1718145.2/24

Right Out: 766.424+/-0.167 χ^2/NDF: 4050246.4/26

Left In: 426.144+/-0.071 χ^2/NDF:415411.7/22

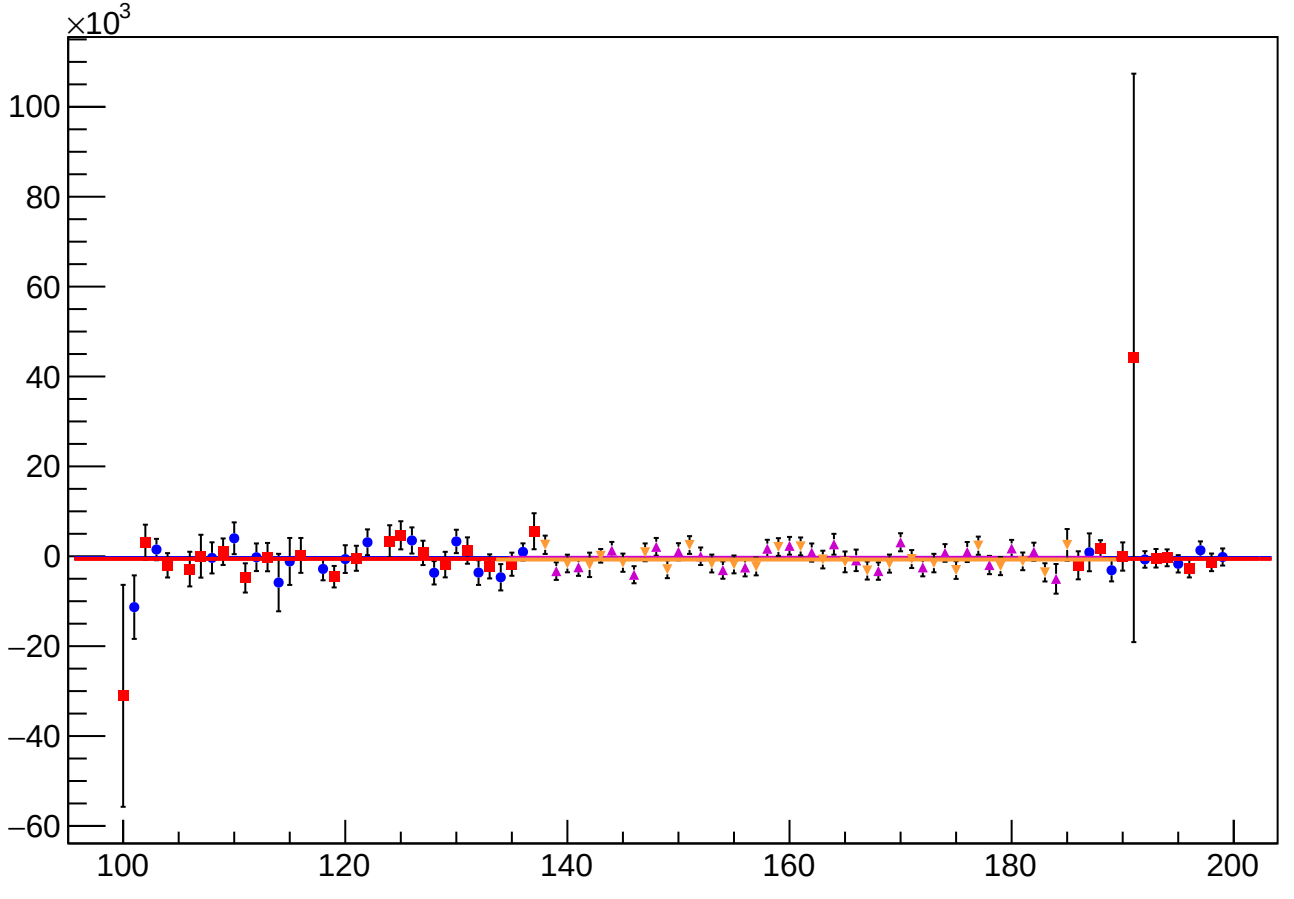
Left: 425.918+/-0.050 χ^2/NDF: 2133577.1/47

Right: 734.409+/-0.115 χ^2/NDF: 7135261.7/48

In: 472.727+/-0.065 χ^2/NDF:6018273.5/44

Out: 477.001+/-0.065 χ^2/NDF:9323672.1/51

All: 474.867+/-0.046 χ^2/NDF: 15344129.3/96



Right In: -389.715+/-562.711 χ^2/NDF: 19.7/21

Left Out: -724.528+/-404.417 χ^2/NDF:22.2/24

Right Out: -586.034+/-542.196 χ^2/NDF: 19.0/26

Left In: -341.223+/-422.858 χ^2/NDF:29.6/22

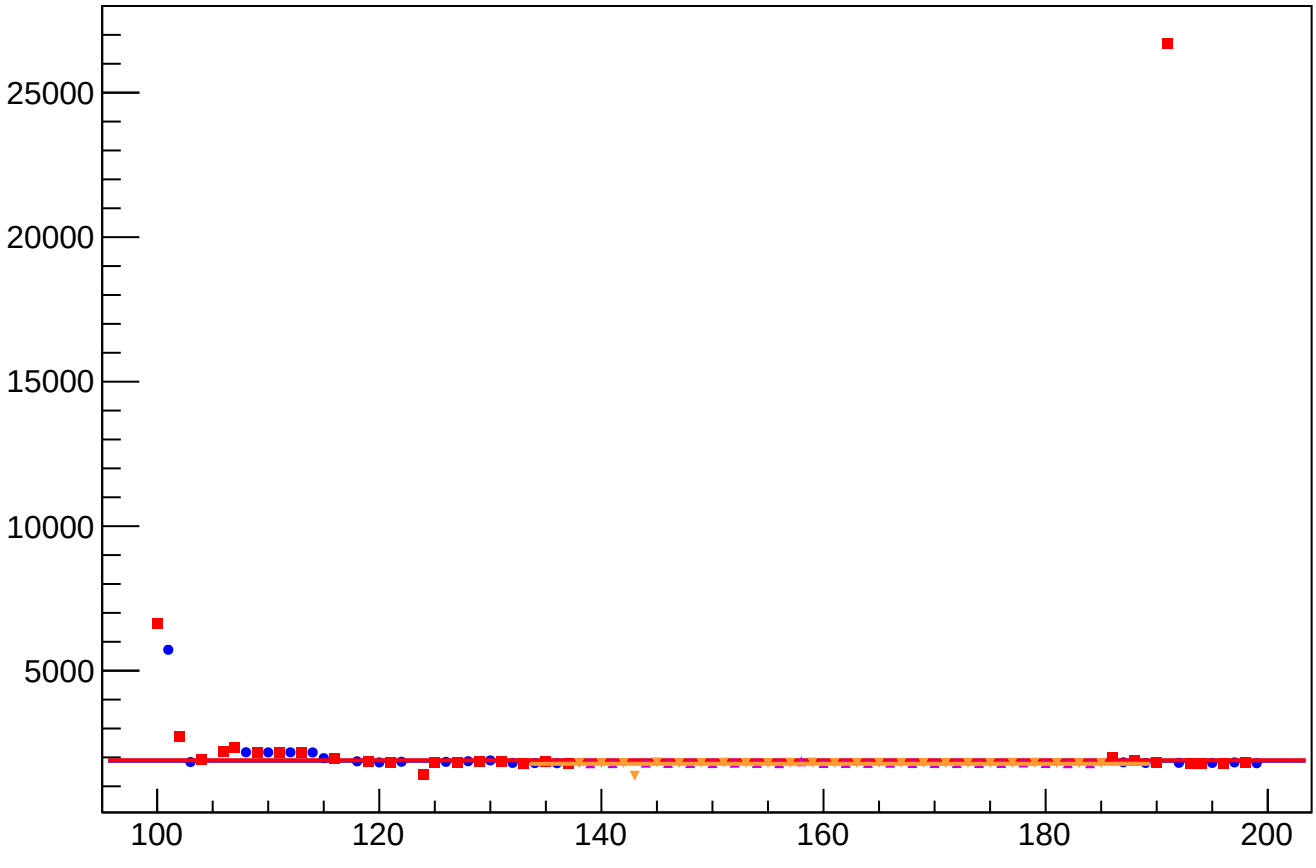
Left: -541.415+/-292.268 χ^2/NDF: 52.3/47

Right: -491.518+/-390.441 χ^2/NDF: 38.7/48

In: -358.724+/-338.048 χ^2/NDF:49.3/44

Out: -675.021+/-324.173 χ^2/NDF:41.2/51

All: -523.497+/-233.976 χ^2/NDF: 91.0/96



Right In: 1884.259+/-0.398 χ^2/NDF: 663843.9/21

Left Out: 1776.721+/-0.286 χ^2/NDF:161294.8/24

Right Out: 1899.643+/-0.383 χ^2/NDF: 615895.4/26

Left In: 1811.084+/-0.299 χ^2/NDF:1965.1/22

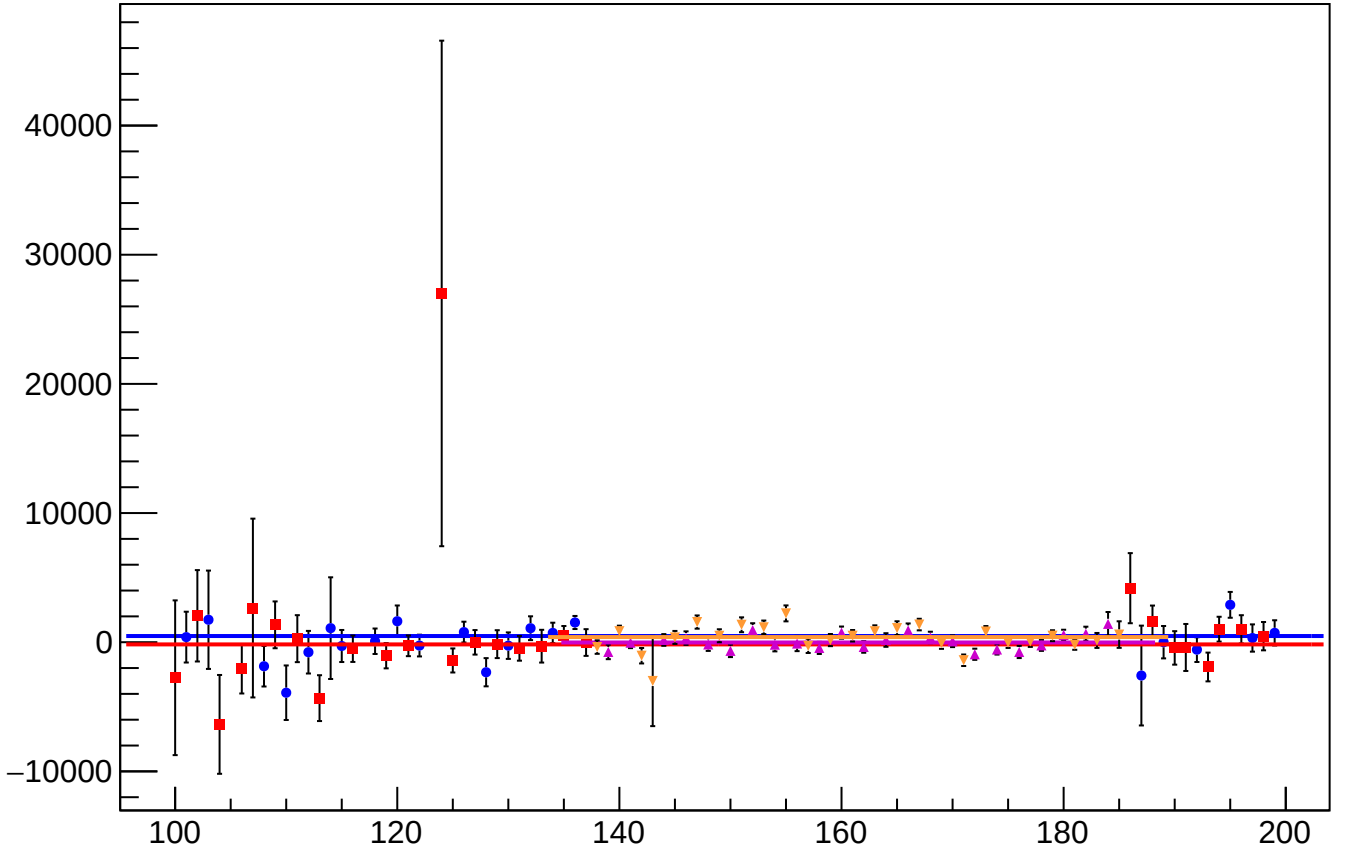
Left: 1793.137+/-0.207 χ^2/NDF: 170157.7/47

Right: 1892.236+/-0.276 χ^2/NDF: 1280514.5/48

In: 1837.492+/-0.239 χ^2/NDF:687424.1/44

Out: 1820.662+/-0.229 χ^2/NDF:843239.8/51

All: 1828.725+/-0.165 χ^2/NDF: 1533246.4/96



Right In: 478.650+/-224.095 χ^2/NDF: 29.4/21

Left Out: 398.268+/-99.165 χ^2/NDF:60.5/24

Right Out: -169.996+/-235.531 χ^2/NDF: 26.6/26

Left In: -21.452+/-100.264 χ^2/NDF:30.8/22

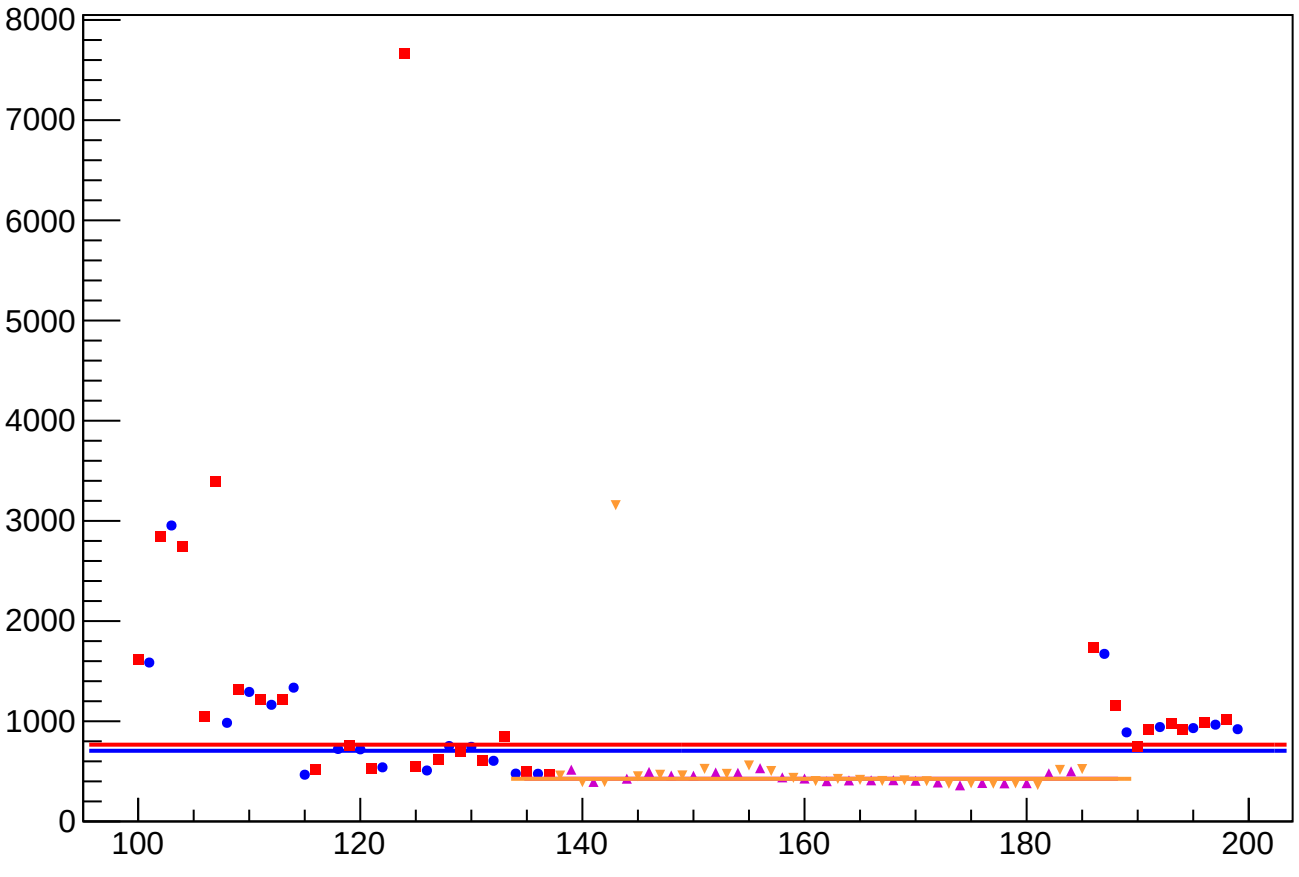
Left: 190.722+/-70.506 χ^2/NDF: 100.2/47

Right: 170.457+/-162.352 χ^2/NDF: 60.0/48

In: 61.962+/-91.521 χ^2/NDF:64.4/44

Out: 312.704+/-91.395 χ^2/NDF:92.0/51

All: 187.506+/-64.670 χ^2/NDF: 160.2/96



Right In: 705.427+/-0.158 χ^2/NDF: 3014611.6/21

Left Out: 425.696+/-0.070 χ^2/NDF:1718147.9/24

Right Out: 766.424+/-0.167 χ^2/NDF: 4050249.8/26

Left In: 426.144+/-0.071 χ^2/NDF:415415.2/22

Left: 425.918+/-0.050 χ^2/NDF: 2133583.2/47

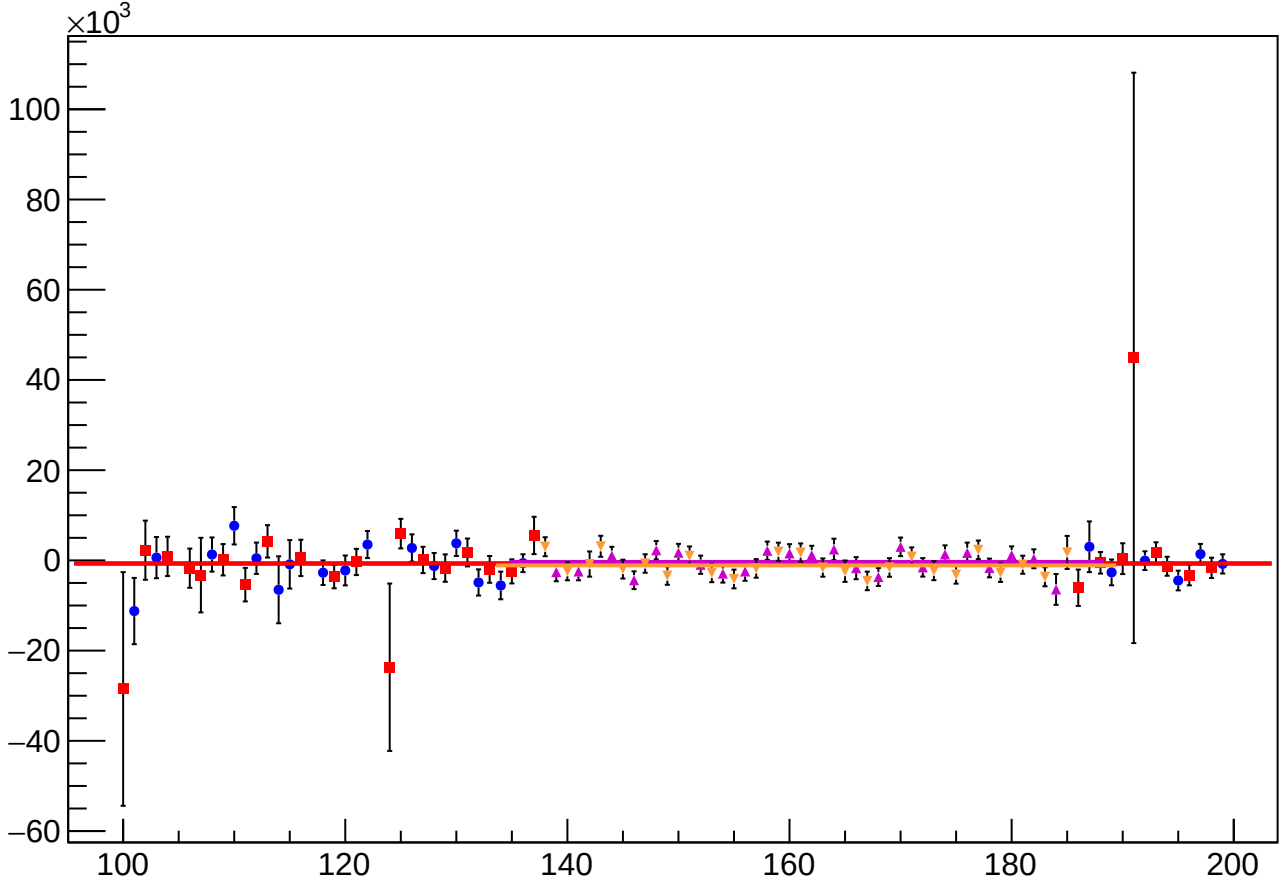
Right: 734.409+/-0.115 χ^2/NDF: 7135266.4/48

In: 472.727+/-0.065 χ^2/NDF:6018279.8/44

Out: 477.000+/-0.065 χ^2/NDF:9323681.7/51

All: 474.867+/-0.046 χ^2/NDF: 15344145.1/96

asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -677.183+/-630.565 χ^2/NDF: 23.3/21

Left Out: -1105.791+/-424.648 χ^2/NDF:28.0/24

Right Out: -698.104+/-624.133 χ^2/NDF: 20.8/26

Left In: -346.936+/-434.947 χ^2/NDF:28.8/22

Left: -735.454+/-303.847 χ^2/NDF: 58.3/47

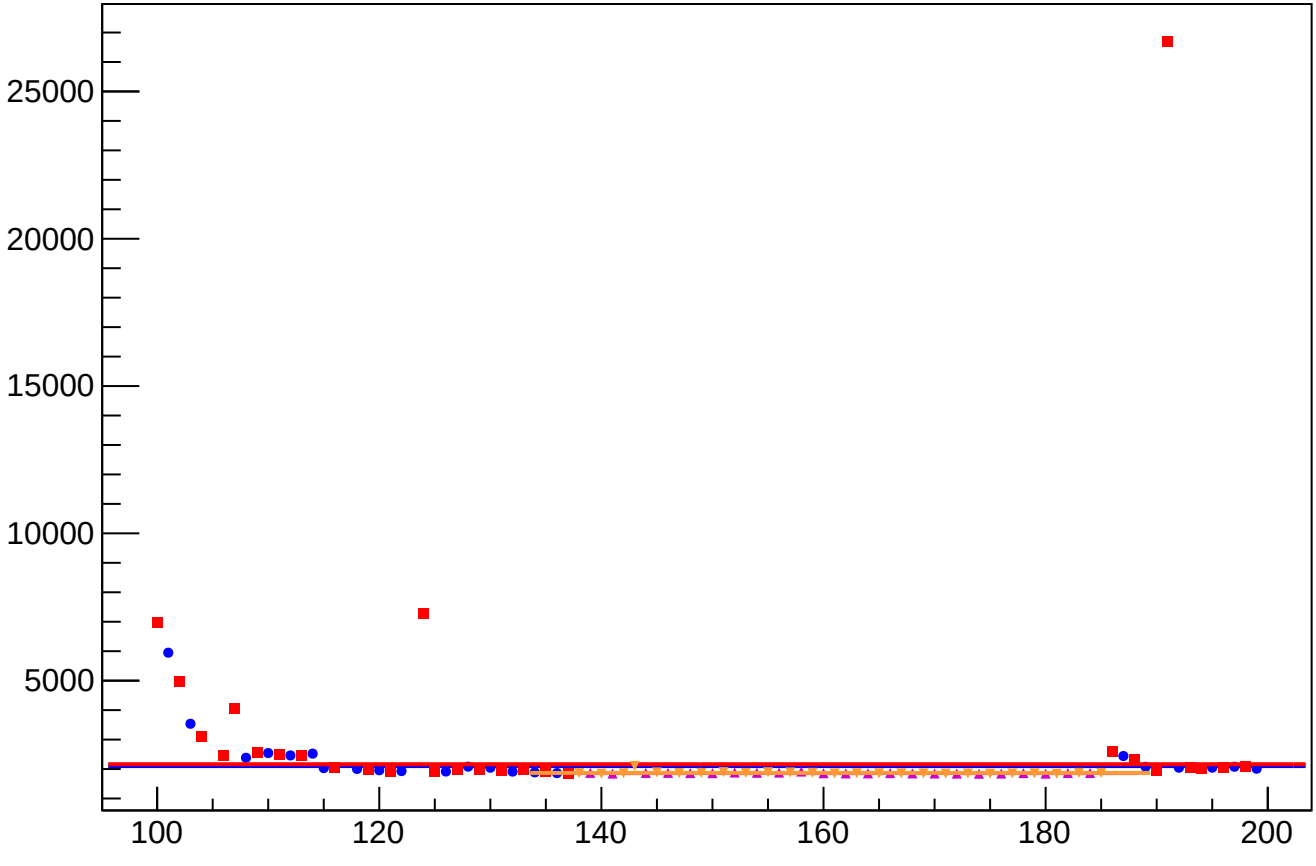
Right: -687.751+/-443.585 χ^2/NDF: 44.1/48

In: -453.406+/-358.034 χ^2/NDF:52.2/44

Out: -976.785+/-351.091 χ^2/NDF:49.1/51

All: -720.220+/-250.677 χ^2/NDF: 102.4/96

asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 2100.281+/-0.446 χ^2/NDF: 891065.8/21

Left Out: 1868.941+/-0.300 χ^2/NDF:23314.7/24

Right Out: 2163.247+/-0.441 χ^2/NDF: 1308031.5/26

Left In: 1862.828+/-0.308 χ^2/NDF:2714.5/22

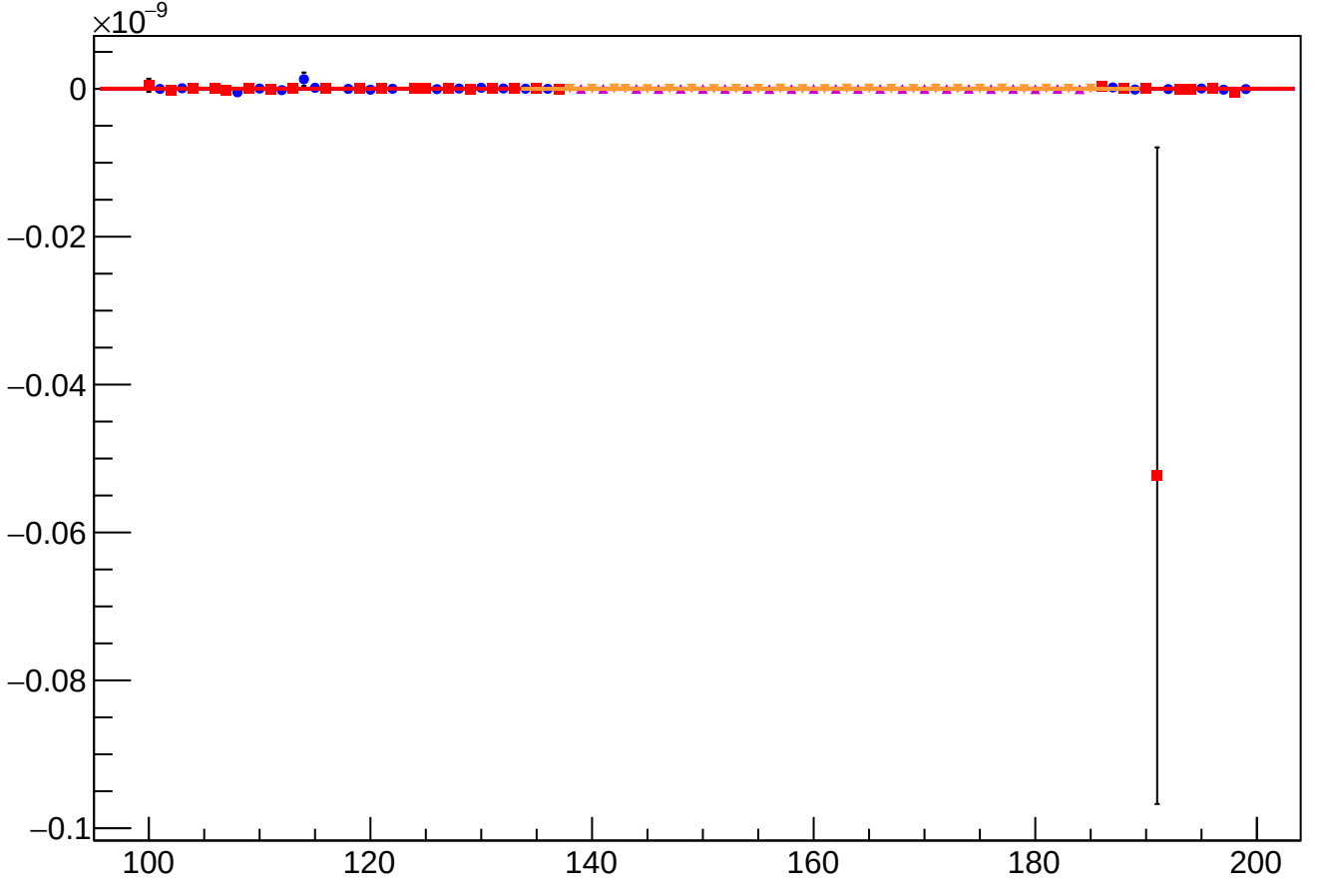
Left: 1865.958+/-0.215 χ^2/NDF: 26231.5/47

Right: 2132.087+/-0.314 χ^2/NDF: 2209170.6/48

In: 1939.382+/-0.253 χ^2/NDF:1085957.6/44

Out: 1962.070+/-0.248 χ^2/NDF:1635333.1/51

All: 1950.948+/-0.177 χ^2/NDF: 2725384.7/96



Right In: -0.000+/-0.000 χ^2/NDF: 22.2/21

Left Out: 0.000+/-0.000 χ^2/NDF:42.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 25.2/26

Left In: -0.000+/-0.000 χ^2/NDF:17.3/22

Left: -0.000+/-0.000 χ^2/NDF: 61.0/47

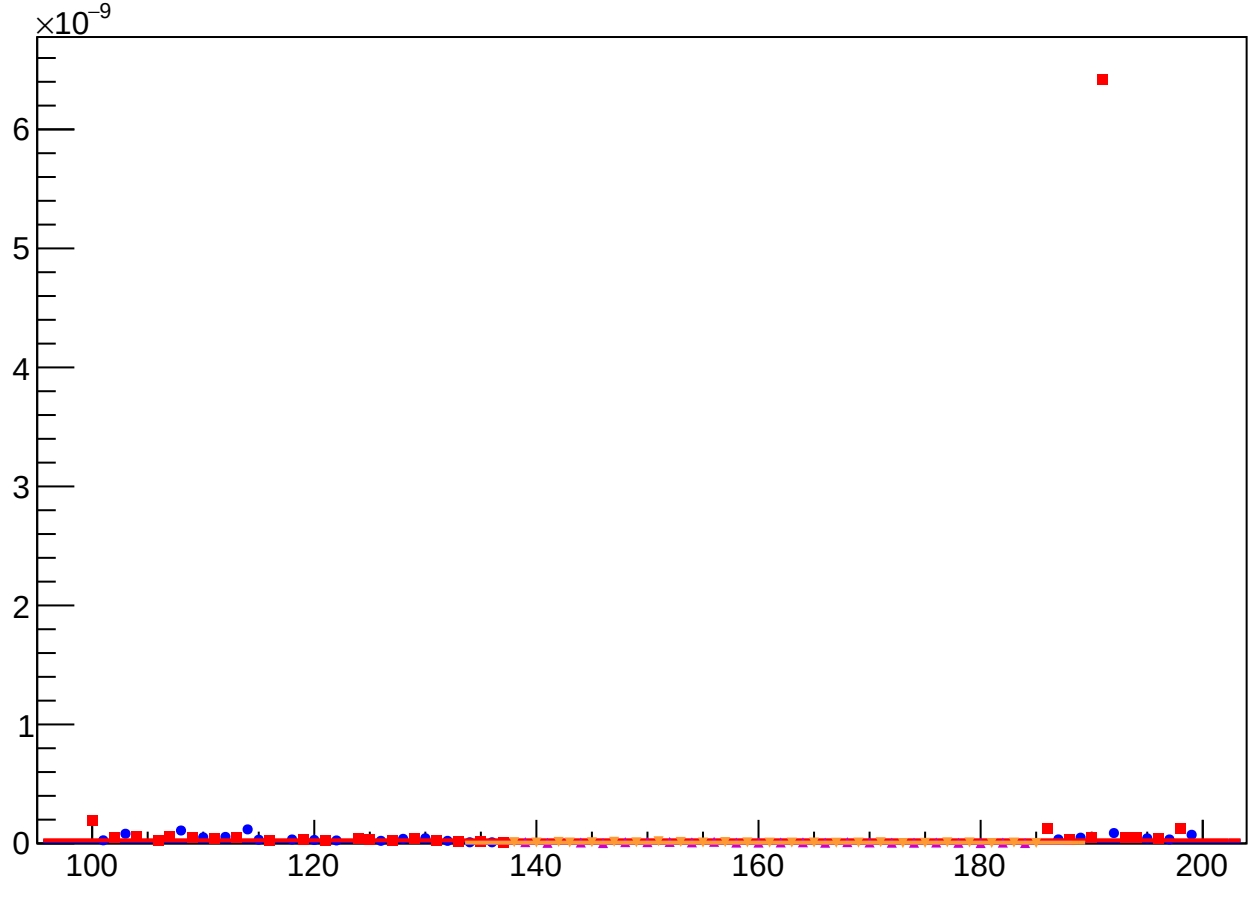
Right: 0.000+/-0.000 χ^2/NDF: 49.0/48

In: -0.000+/-0.000 χ^2/NDF:39.6/44

Out: 0.000+/-0.000 χ^2/NDF:69.2/51

All: -0.000+/-0.000 χ^2/NDF: 110.9/96

asym_at1_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3774205.6/21

Left Out: 0.000+/-0.000 χ^2/NDF:1843010.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2592770.8/26

Left In: 0.000+/-0.000 χ^2/NDF:1477997.8/22

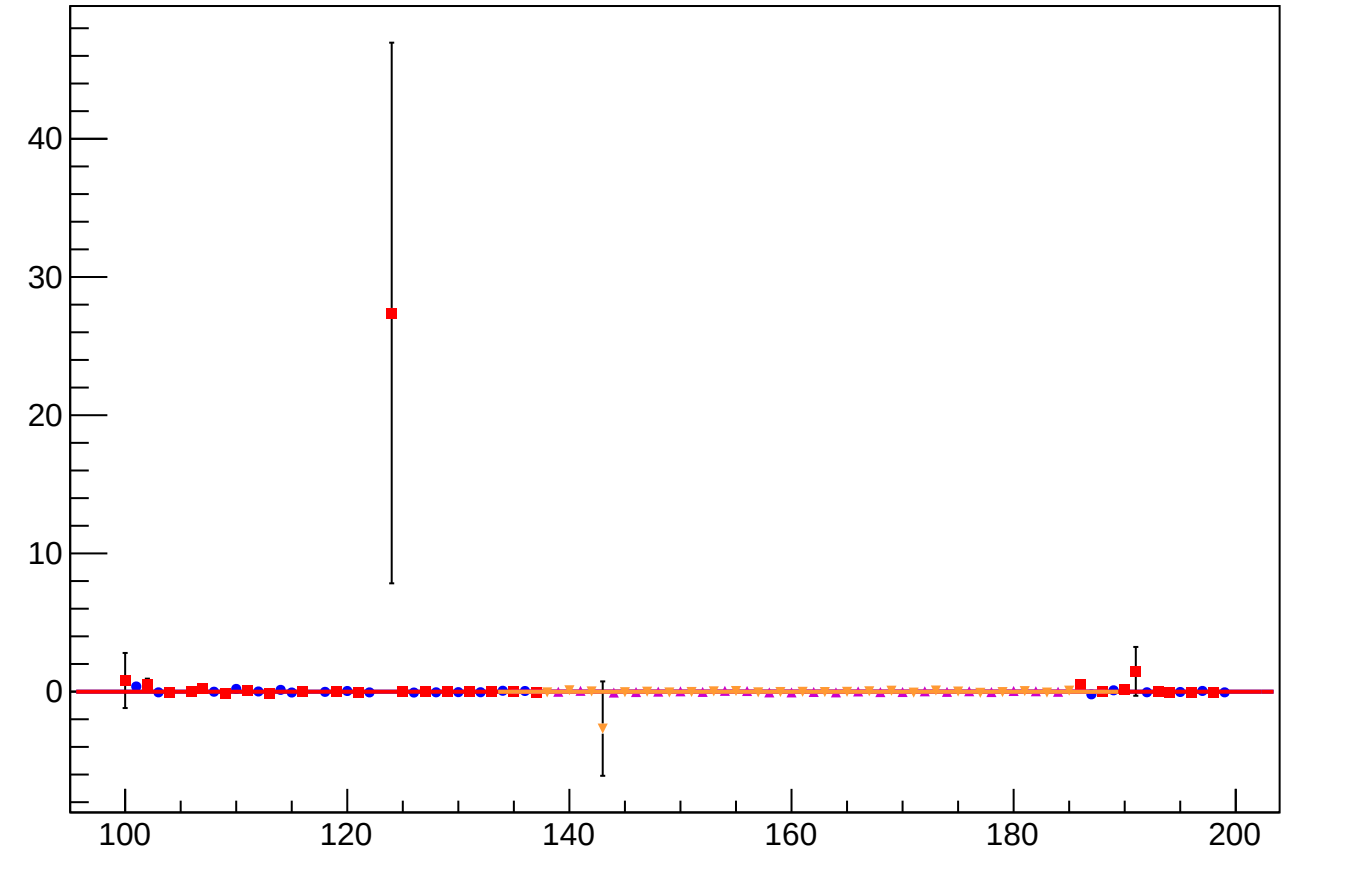
Left: 0.000+/-0.000 χ^2/NDF: 3321189.0/47

Right: 0.000+/-0.000 χ^2/NDF: 6731663.3/48

In: 0.000+/-0.000 χ^2/NDF:7244717.3/44

Out: 0.000+/-0.000 χ^2/NDF:7981572.9/51

All: 0.000+/-0.000 χ^2/NDF: 15226537.7/96



Right In: -0.003+/-0.013 χ^2/NDF: 25.2/21

Left Out: -0.010+/-0.008 χ^2/NDF:39.5/24

Right Out: -0.006+/-0.013 χ^2/NDF: 25.3/26

Left In: -0.004+/-0.008 χ^2/NDF:20.8/22

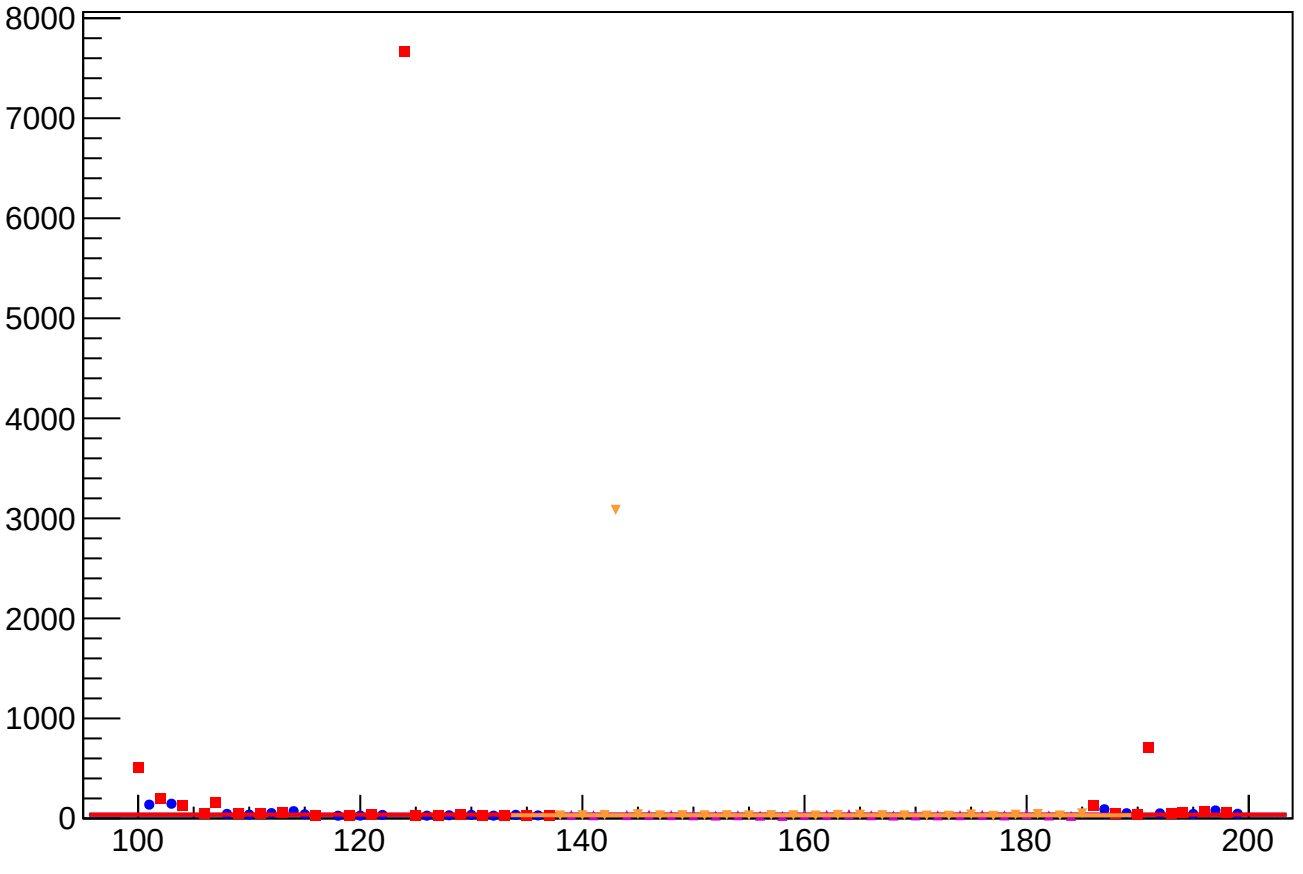
Left: -0.007+/-0.006 χ^2/NDF: 60.7/47

Right: -0.005+/-0.009 χ^2/NDF: 50.6/48

In: -0.003+/-0.007 χ^2/NDF:46.1/44

Out: -0.009+/-0.007 χ^2/NDF:64.9/51

All: -0.006+/-0.005 χ^2/NDF: 111.3/96



Right In: 37.881+/-0.009 χ^2/NDF: 2638155.0/21

Left Out: 32.277+/-0.006 χ^2/NDF:2120929.6/24

Right Out: 38.145+/-0.009 χ^2/NDF: 3801500.3/26

Left In: 32.421+/-0.006 χ^2/NDF:426084.8/22

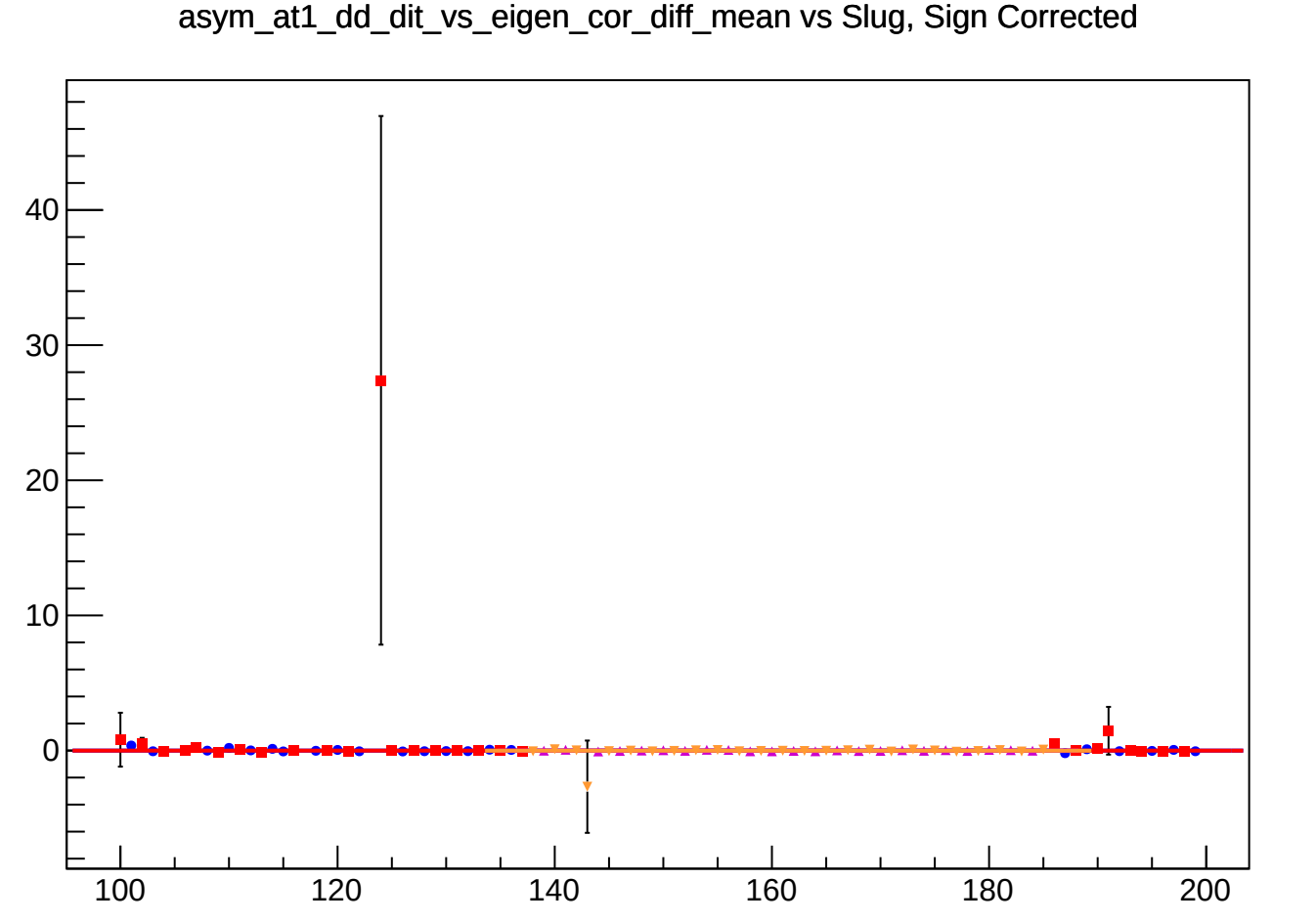
Left: 32.349+/-0.004 χ^2/NDF: 2547318.7/47

Right: 38.014+/-0.007 χ^2/NDF: 6440066.2/48

In: 33.988+/-0.005 χ^2/NDF:3313242.3/44

Out: 33.955+/-0.005 χ^2/NDF:6212944.4/51

All: 33.971+/-0.003 χ^2/NDF: 9526208.9/96



Right In: -0.003+/-0.013 χ^2/NDF: 25.2/21

Left Out: -0.010+/-0.008 χ^2/NDF:39.5/24

Right Out: -0.006+/-0.013 χ^2/NDF: 25.3/26

Left In: -0.004+/-0.008 χ^2/NDF:20.8/22

Left: -0.007+/-0.006 χ^2/NDF: 60.7/47

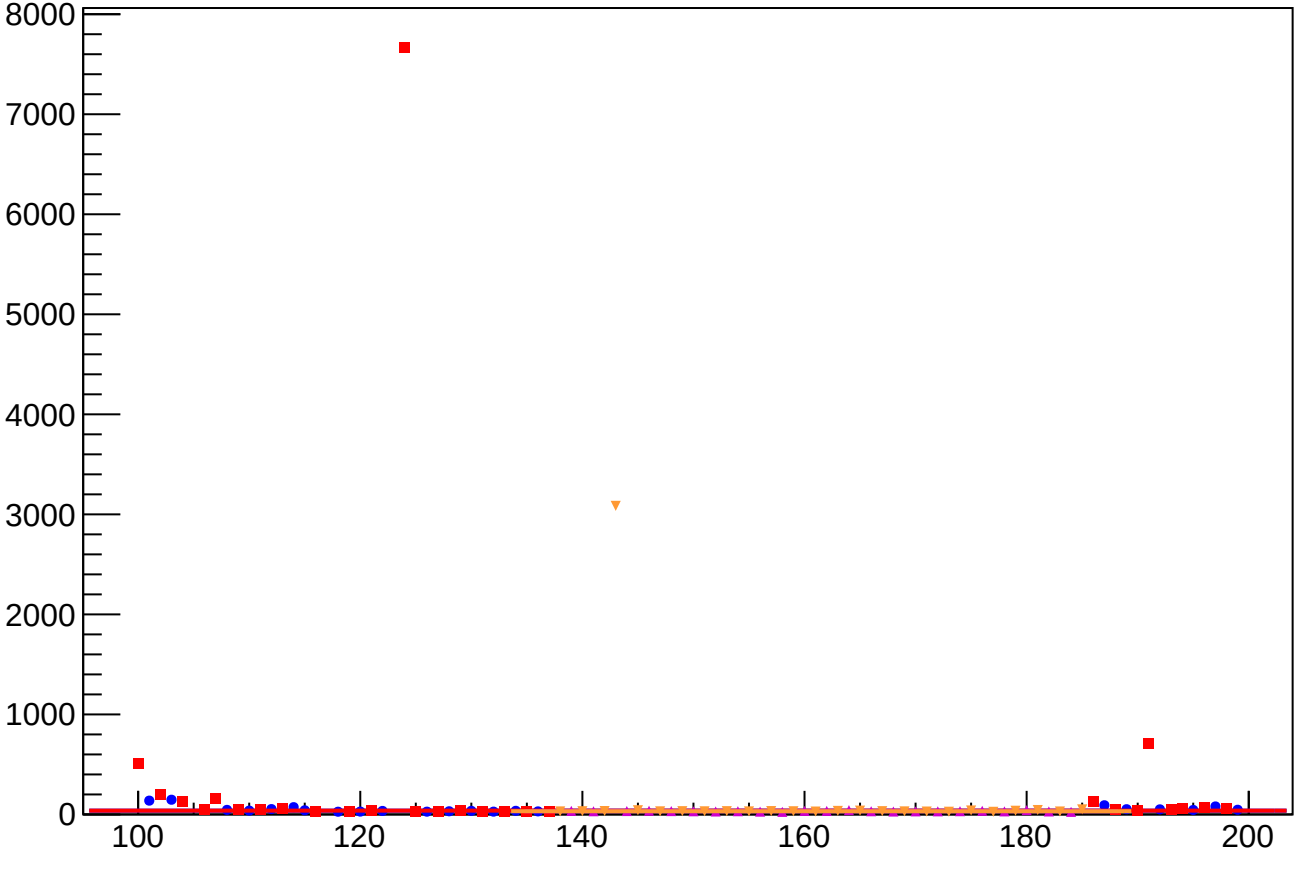
Right: -0.005+/-0.009 χ^2/NDF: 50.6/48

In: -0.003+/-0.007 χ^2/NDF:46.1/44

Out: -0.009+/-0.007 χ^2/NDF:64.9/51

All: -0.006+/-0.005 χ^2/NDF: 111.3/96

asym_at1_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.881+/-0.009 χ^2/NDF: 2638155.0/21

Left Out: 32.277+/-0.006 χ^2/NDF:2120929.6/24

Right Out: 38.145+/-0.009 χ^2/NDF: 3801500.3/26

Left In: 32.421+/-0.006 χ^2/NDF:426084.8/22

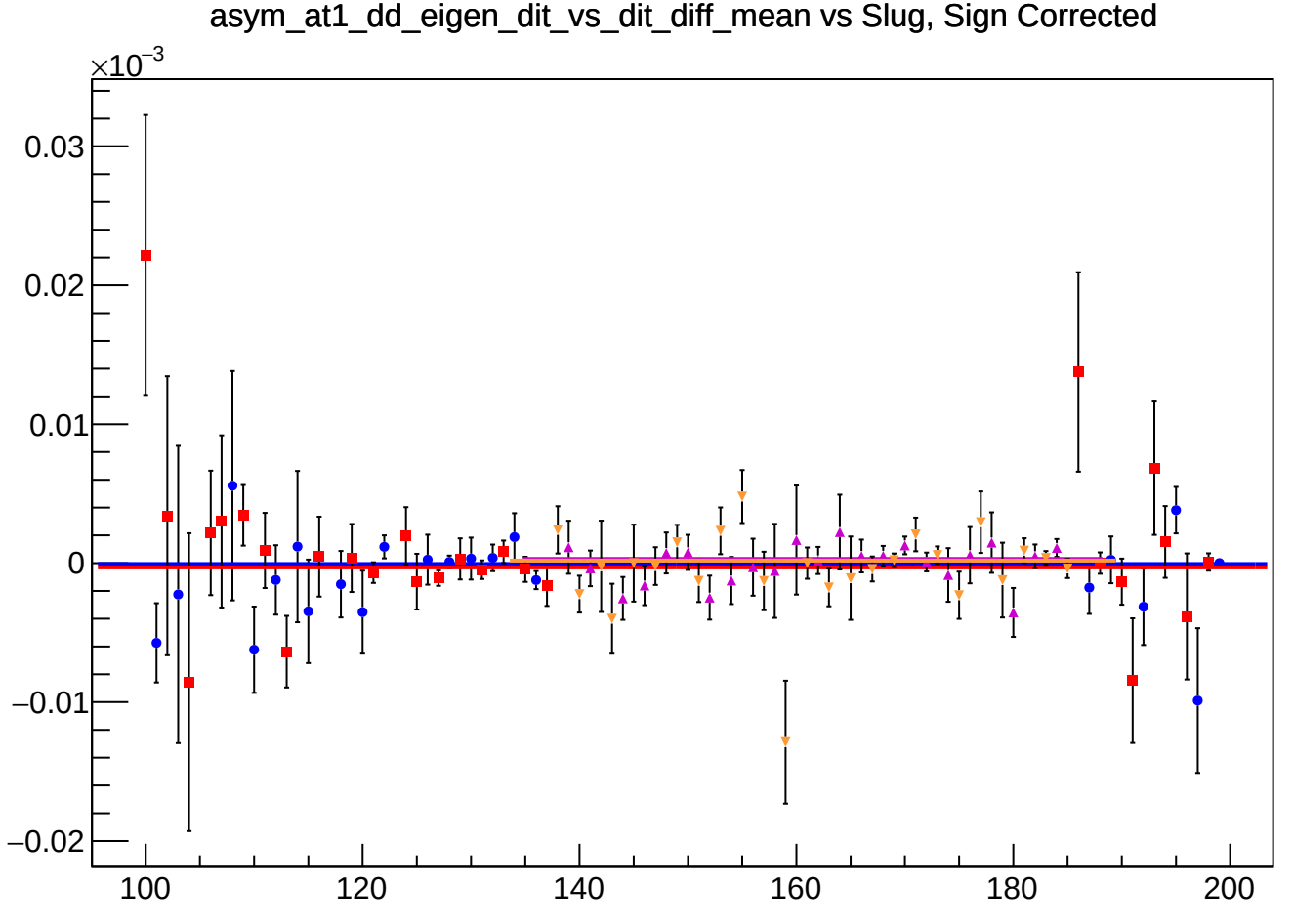
Left: 32.349+/-0.004 χ^2/NDF: 2547318.7/47

Right: 38.014+/-0.007 χ^2/NDF: 6440066.2/48

In: 33.988+/-0.005 χ^2/NDF:3313242.3/44

Out: 33.955+/-0.005 χ^2/NDF:6212944.4/51

All: 33.971+/-0.003 χ^2/NDF: 9526208.9/96



Right In: -0.000+/-0.000 χ^2/NDF: 29.3/21

Left Out: 0.000+/-0.000 χ^2/NDF:37.5/24

Right Out: -0.000+/-0.000 χ^2/NDF: 33.1/26

Left In: 0.000+/-0.000 χ^2/NDF:20.2/22

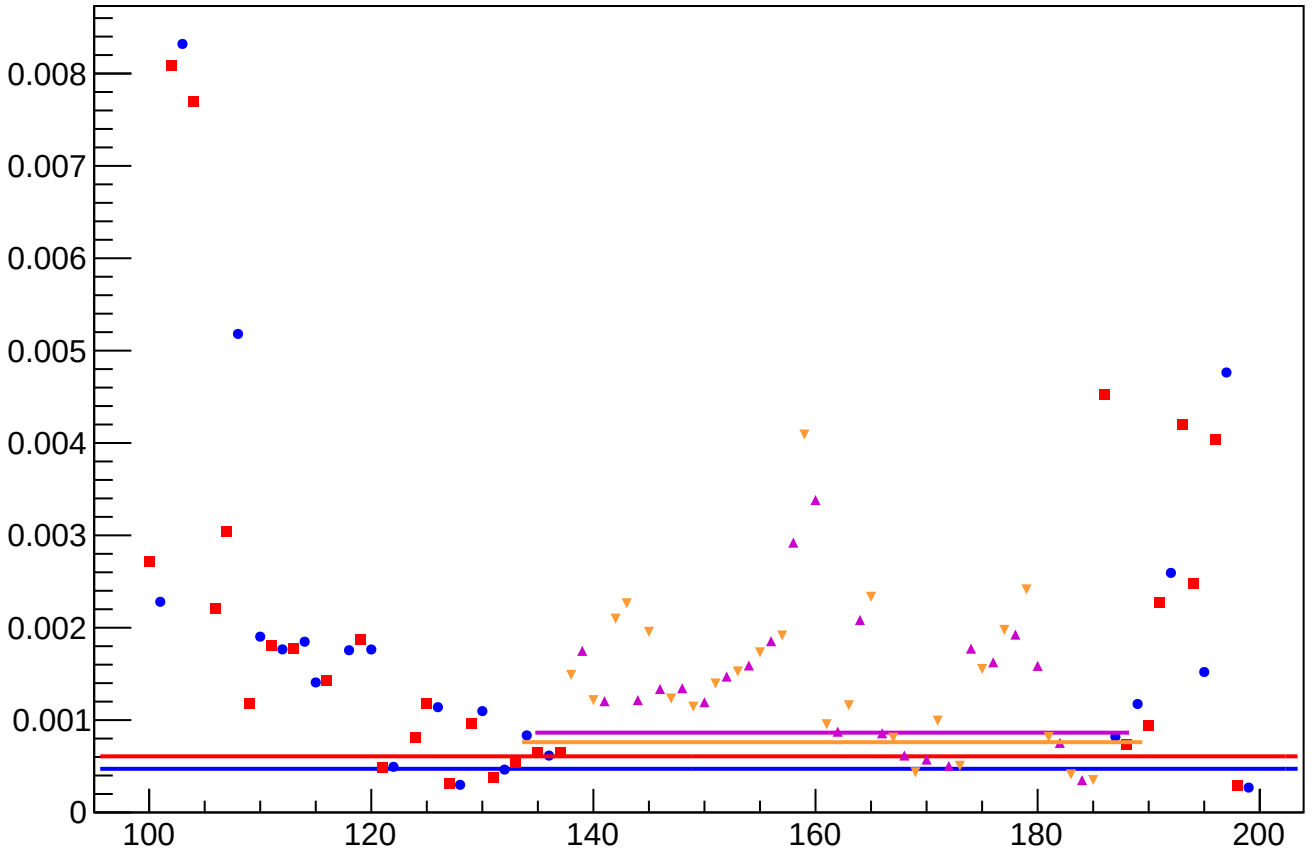
Left: 0.000+/-0.000 χ^2/NDF: 57.9/47

Right: -0.000+/-0.000 χ^2/NDF: 63.1/48

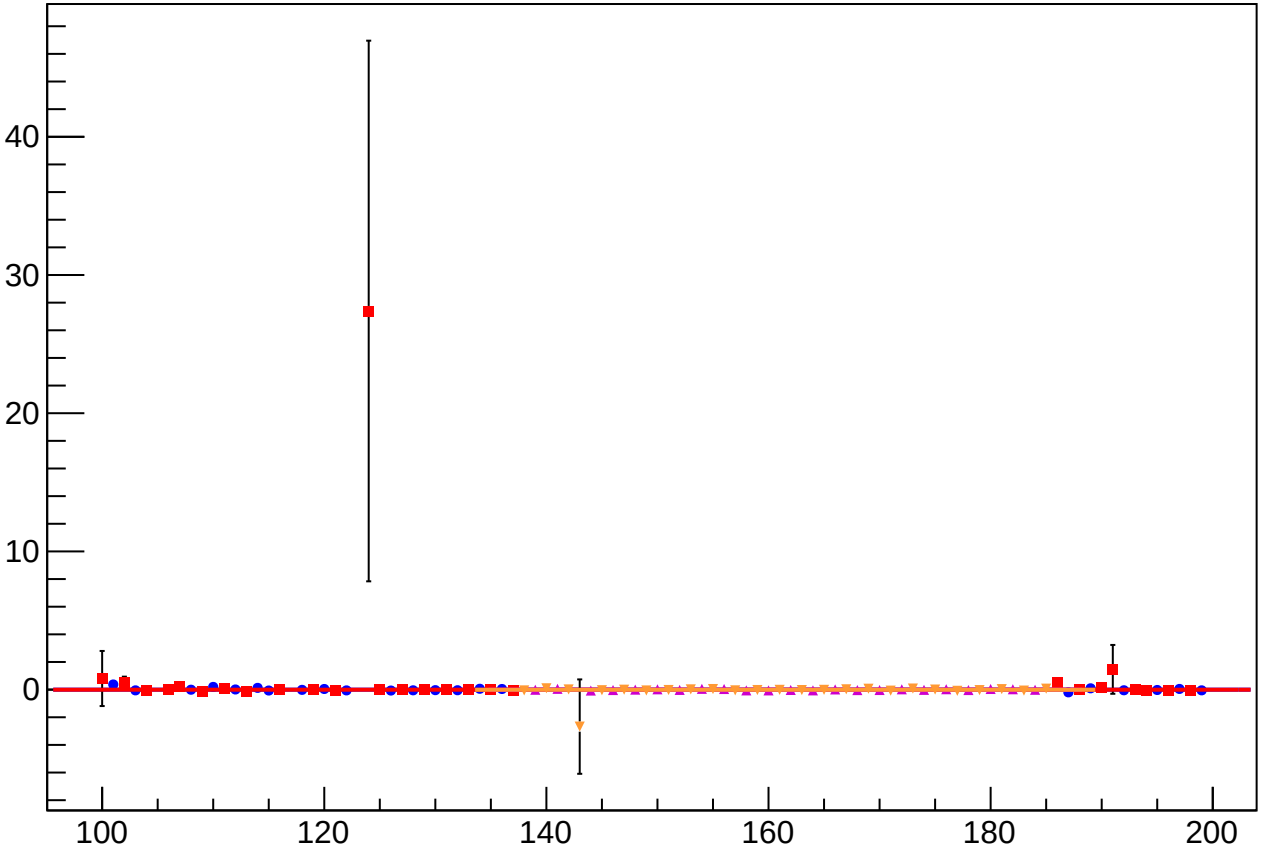
In: 0.000+/-0.000 χ^2/NDF:50.9/44

Out: -0.000+/-0.000 χ^2/NDF:73.0/51

All: 0.000+/-0.000 χ^2/NDF: 124.2/96


asym_at1_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.008
0.007
0.006
0.005
0.004
0.003
0.002
0.001
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 10537971.3/21
Left Out: 0.001+/-0.000 χ²/NDF:11085699.1/24
Right Out: 0.001+/-0.000 χ²/NDF: 10271869.8/26
Left In: 0.001+/-0.000 χ²/NDF:8440059.8/22
Left: 0.001+/-0.000 χ²/NDF: 19733433.3/47
Right: 0.001+/-0.000 χ²/NDF: 21181480.4/48
In: 0.001+/-0.000 χ²/NDF:22124054.4/44
Out: 0.001+/-0.000 χ²/NDF:21814375.1/51
All: 0.001+/-0.000 χ²/NDF: 44086187.3/96

asym_at1_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.003+/-0.013 χ^2/NDF: 25.2/21

Left Out: -0.010+/-0.008 χ^2/NDF:39.5/24

Right Out: -0.006+/-0.013 χ^2/NDF: 25.3/26

Left In: -0.004+/-0.008 χ^2/NDF:20.8/22

Left: -0.007+/-0.006 χ^2/NDF: 60.7/47

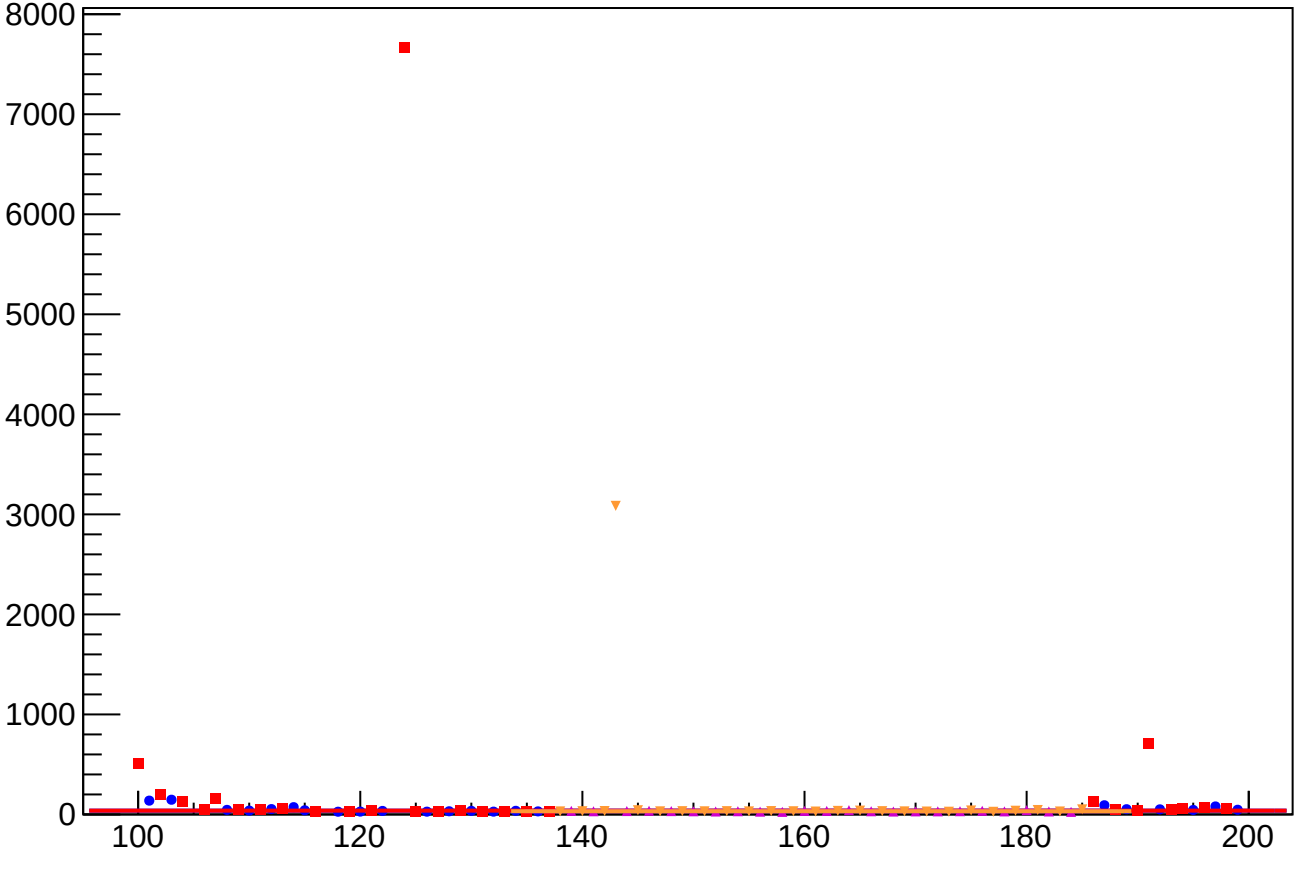
Right: -0.005+/-0.009 χ^2/NDF: 50.6/48

In: -0.003+/-0.007 χ^2/NDF:46.1/44

Out: -0.009+/-0.007 χ^2/NDF:64.9/51

All: -0.006+/-0.005 χ^2/NDF: 111.3/96

asym_at1_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.881+/-0.009 χ^2/NDF: 2638123.6/21

Left Out: 32.277+/-0.006 χ^2/NDF:2120971.9/24

Right Out: 38.145+/-0.009 χ^2/NDF: 3801488.2/26

Left In: 32.422+/-0.006 χ^2/NDF:426001.5/22

Left: 32.349+/-0.004 χ^2/NDF: 2547279.1/47

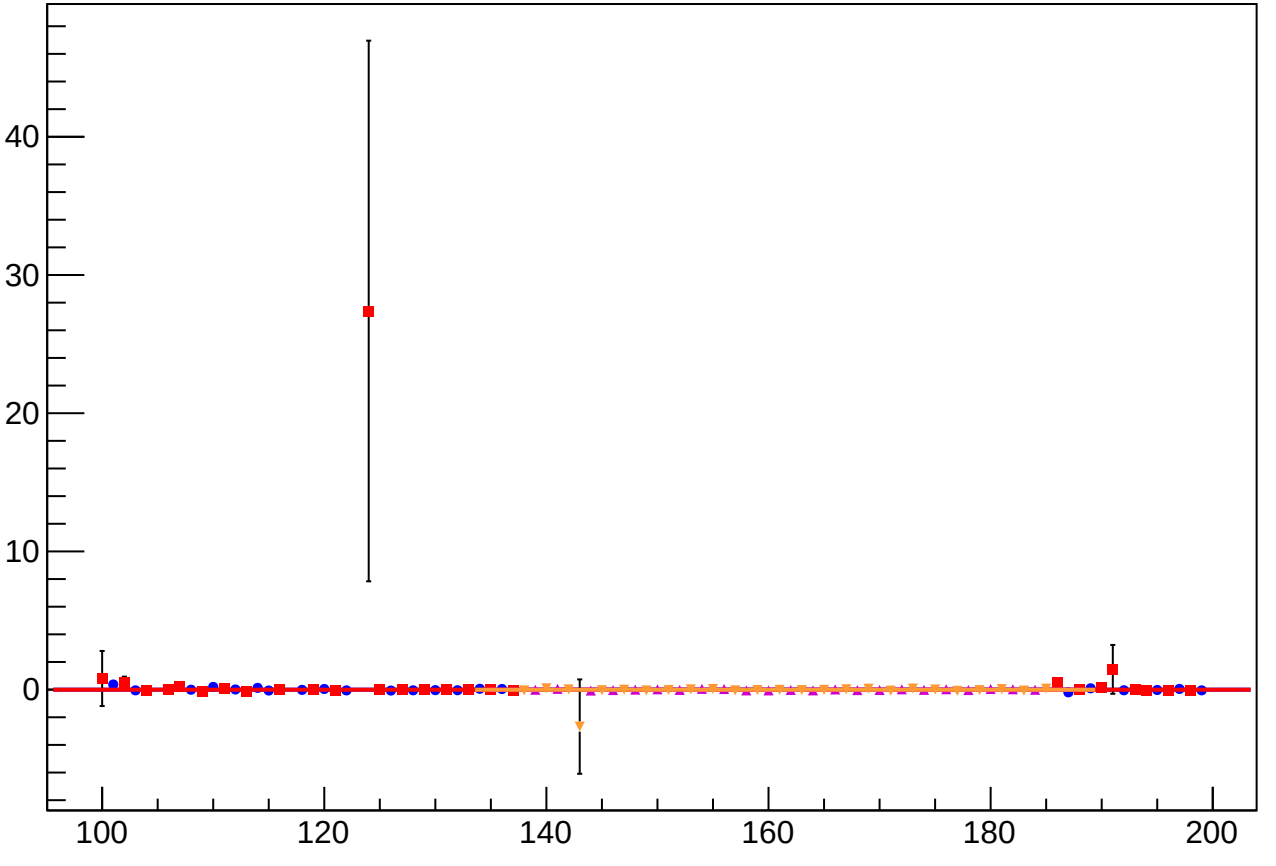
Right: 38.014+/-0.007 χ^2/NDF: 6440022.5/48

In: 33.988+/-0.005 χ^2/NDF:3313098.5/44

Out: 33.955+/-0.005 χ^2/NDF:6212972.0/51

All: 33.971+/-0.003 χ^2/NDF: 9526093.1/96

asym_at1_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.003+/-0.013 χ^2/NDF: 25.2/21

Left Out: -0.010+/-0.008 χ^2/NDF:39.5/24

Right Out: -0.006+/-0.013 χ^2/NDF: 25.3/26

Left In: -0.004+/-0.008 χ^2/NDF:20.8/22

Left: -0.007+/-0.006 χ^2/NDF: 60.7/47

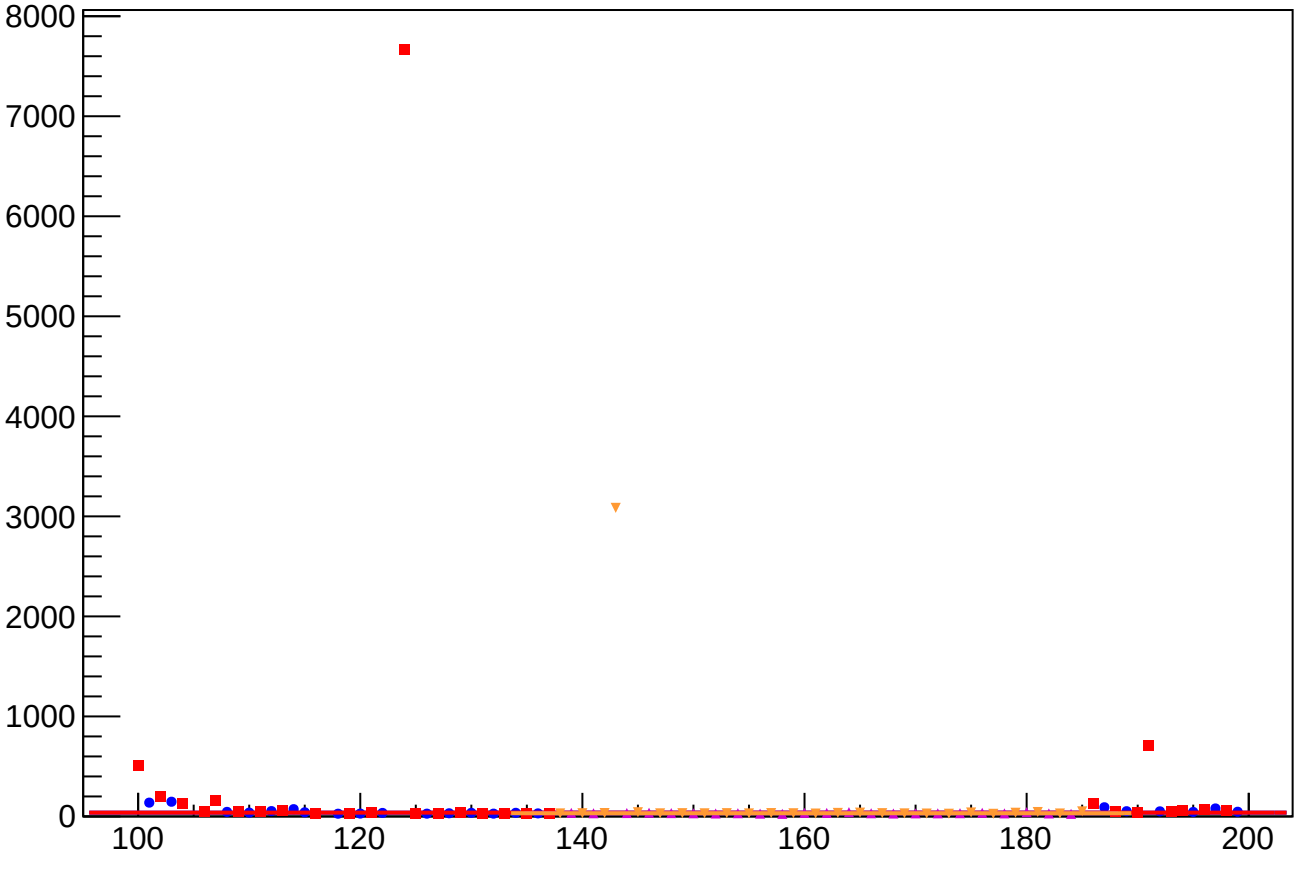
Right: -0.005+/-0.009 χ^2/NDF: 50.6/48

In: -0.003+/-0.007 χ^2/NDF:46.1/44

Out: -0.009+/-0.007 χ^2/NDF:64.9/51

All: -0.006+/-0.005 χ^2/NDF: 111.3/96

asym_at1_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.881+/-0.009 χ^2/NDF: 2638123.6/21

Left Out: 32.277+/-0.006 χ^2/NDF:2120971.9/24

Right Out: 38.145+/-0.009 χ^2/NDF: 3801488.2/26

Left In: 32.422+/-0.006 χ^2/NDF:426001.5/22

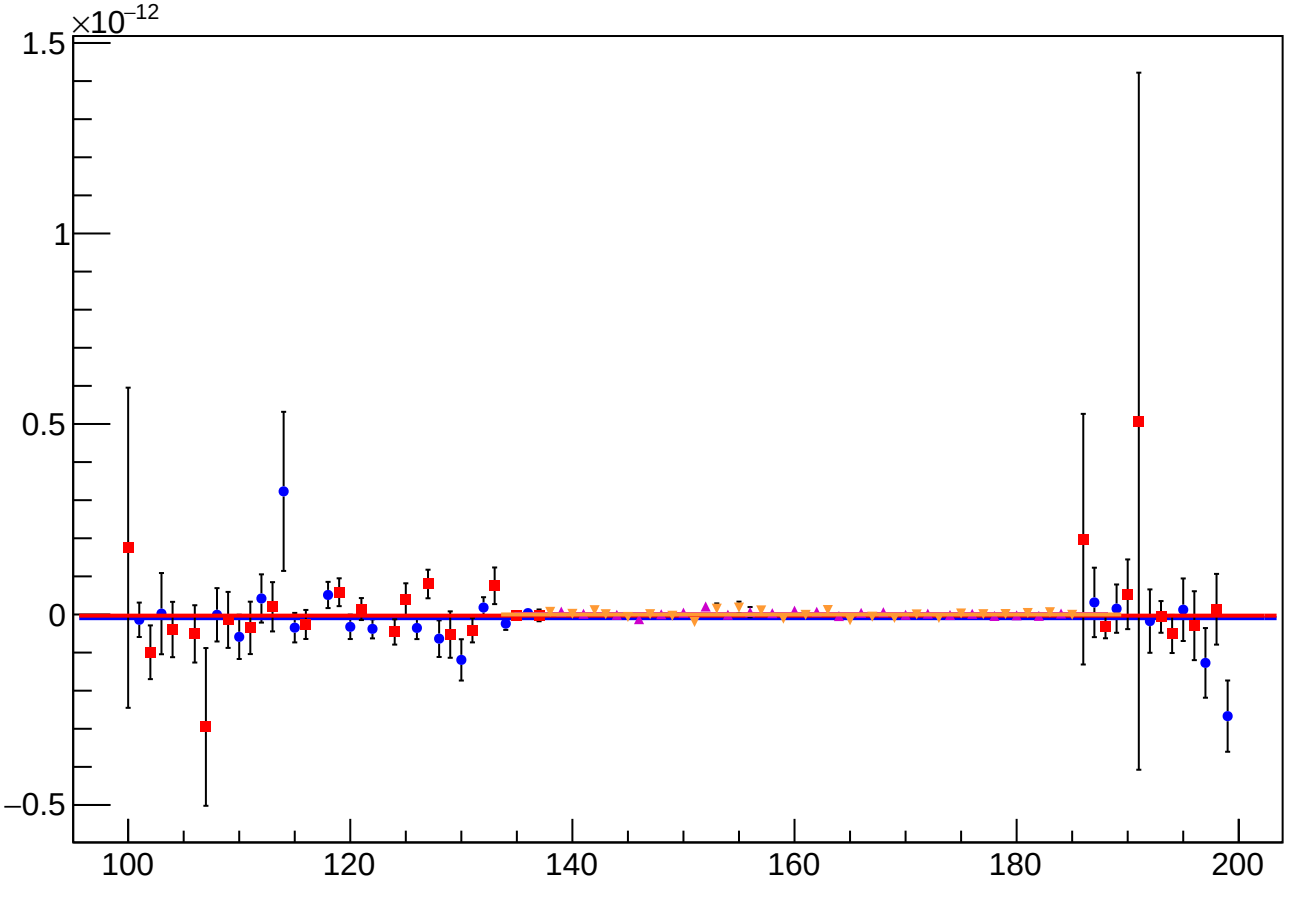
Left: 32.349+/-0.004 χ^2/NDF: 2547279.1/47

Right: 38.014+/-0.007 χ^2/NDF: 6440022.5/48

In: 33.988+/-0.005 χ^2/NDF:3313098.5/44

Out: 33.955+/-0.005 χ^2/NDF:6212972.0/51

All: 33.971+/-0.003 χ^2/NDF: 9526093.1/96



Right In: -0.000+/-0.000 χ^2/NDF: 28.9/21

Left Out: 0.000+/-0.000 χ^2/NDF:21.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 24.0/26

Left In: 0.000+/-0.000 χ^2/NDF:9.2/22

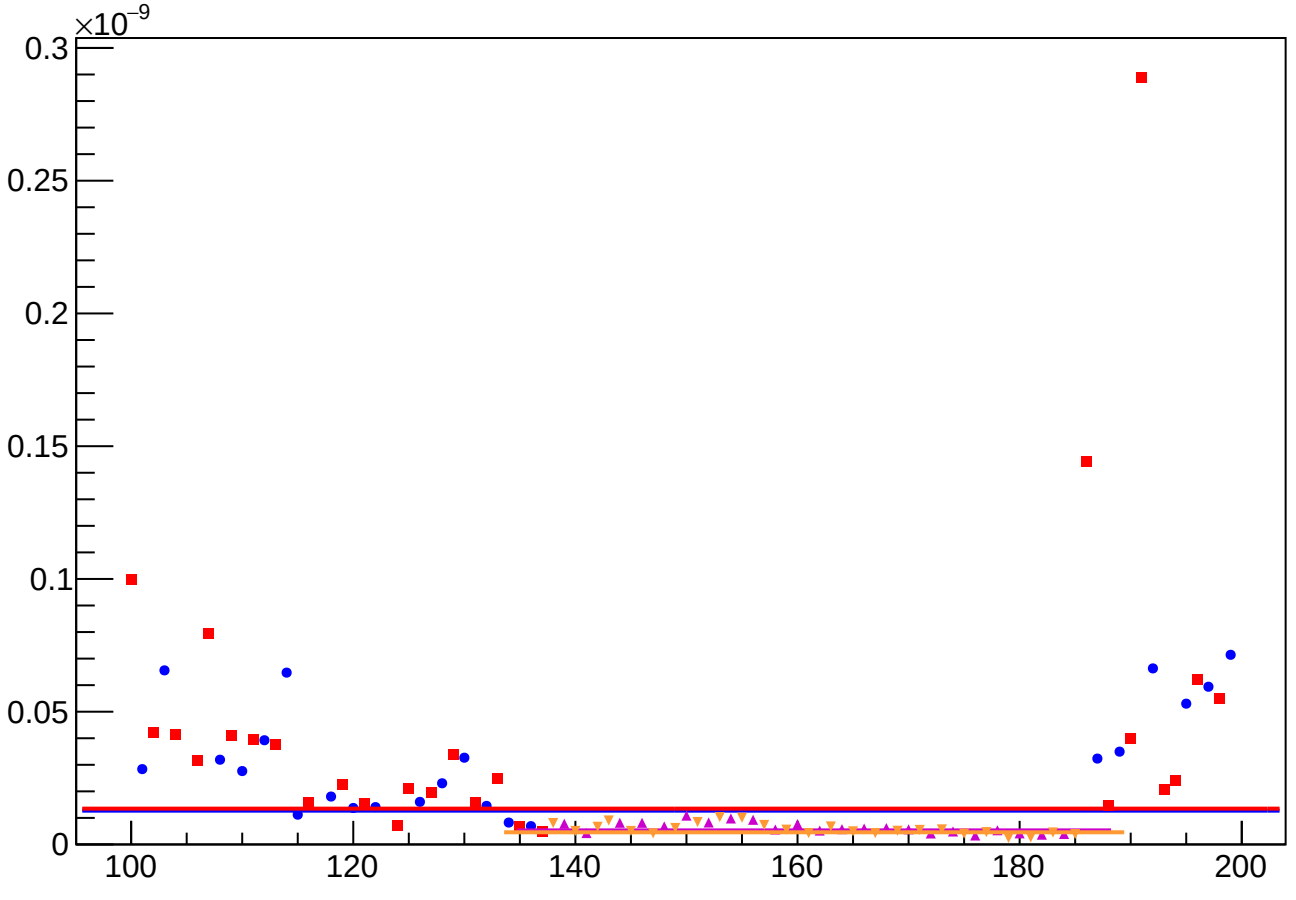
Left: 0.000+/-0.000 χ^2/NDF: 30.5/47

Right: -0.000+/-0.000 χ^2/NDF: 53.5/48

In: 0.000+/-0.000 χ^2/NDF:40.9/44

Out: -0.000+/-0.000 χ^2/NDF:45.3/51

All: 0.000+/-0.000 χ^2/NDF: 86.2/96



Right In: 0.000+/-0.000 χ^2/NDF: 5866886.3/21

Left Out: 0.000+/-0.000 χ^2/NDF:2796753.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5621735.0/26

Left In: 0.000+/-0.000 χ^2/NDF:2230717.6/22

Left: 0.000+/-0.000 χ^2/NDF: 5240558.3/47

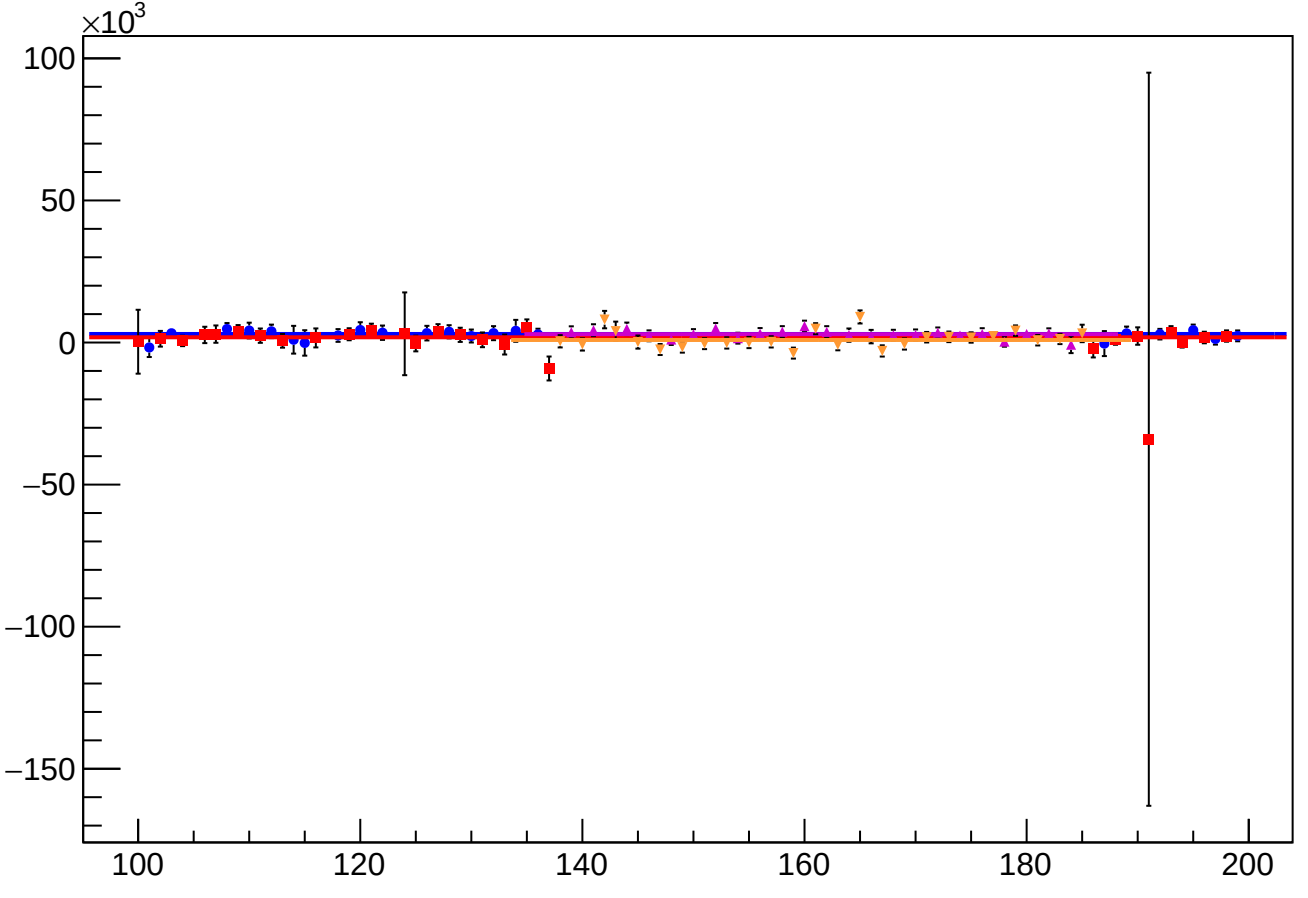
Right: 0.000+/-0.000 χ^2/NDF: 11501984.2/48

In: 0.000+/-0.000 χ^2/NDF:10720033.6/44

Out: 0.000+/-0.000 χ^2/NDF:11679945.4/51

All: 0.000+/-0.000 χ^2/NDF: 22681114.5/96

reg_asym_at2_avg_mean vs Slug, Sign Corrected



Right In: 3007.774+/-511.636 χ^2/NDF: 6.3/21

Left Out: 898.921+/-405.540 χ^2/NDF:45.3/24

Right Out: 1841.092+/-495.976 χ^2/NDF: 17.9/26

Left In: 2943.285+/-412.069 χ^2/NDF:10.6/22

Left: 1904.780+/-289.041 χ^2/NDF: 68.3/47

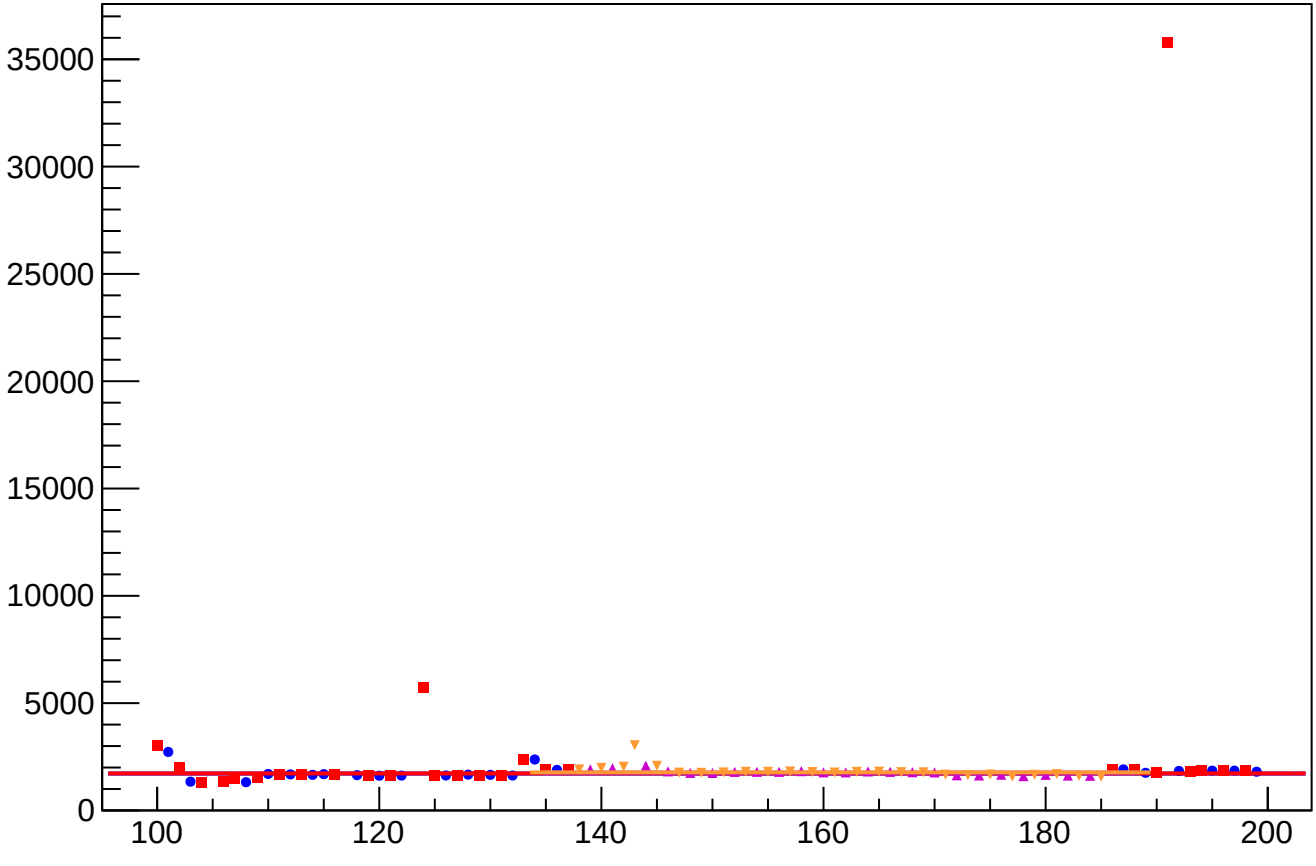
Right: 2406.306+/-356.116 χ^2/NDF: 26.9/48

In: 2968.658+/-320.925 χ^2/NDF:16.8/44

Out: 1276.434+/-313.951 χ^2/NDF:65.3/51

All: 2103.959+/-224.422 χ^2/NDF: 96.4/96

reg_asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 1718.913+/-0.362 χ^2/NDF: 466678.3/21

Left Out: 1774.731+/-0.287 χ^2/NDF:446895.8/24

Right Out: 1724.568+/-0.351 χ^2/NDF: 660628.3/26

Left In: 1761.089+/-0.291 χ^2/NDF:146266.6/22

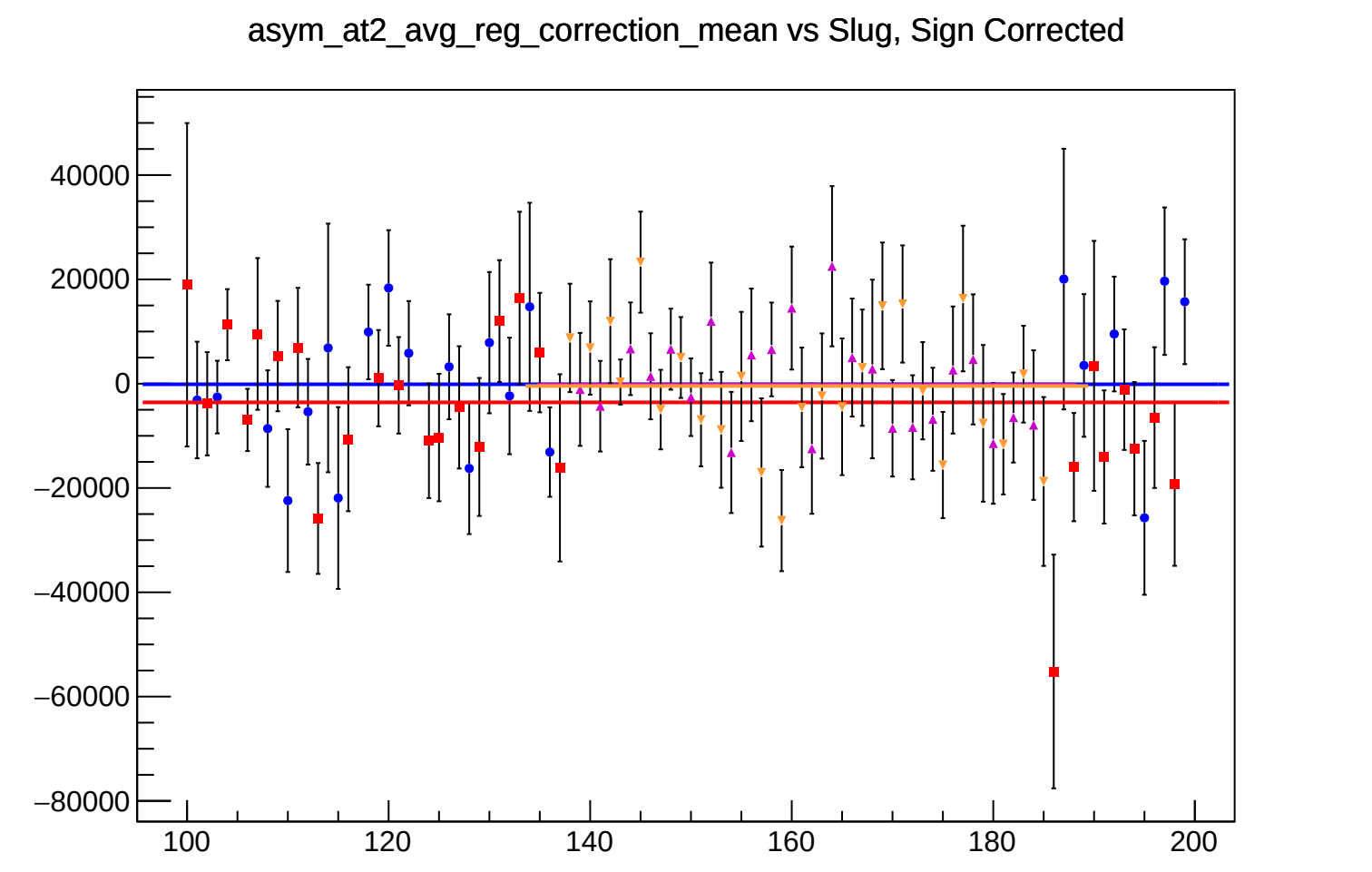
Left: 1768.019+/-0.204 χ^2/NDF: 594275.9/47

Right: 1721.829+/-0.252 χ^2/NDF: 1127432.6/48

In: 1744.495+/-0.227 χ^2/NDF:621188.2/44

Out: 1754.631+/-0.222 χ^2/NDF:1119784.9/51

All: 1749.674+/-0.159 χ^2/NDF: 1741992.7/96



Right In: -113.486+/-2464.628 χ^2/NDF: 22.9/21

Left Out: -443.346+/-1925.604 χ^2/NDF:29.5/24

Right Out: -3584.617+/-2173.590 χ^2/NDF: 27.7/26

Left In: -155.268+/-2143.489 χ^2/NDF:13.8/22

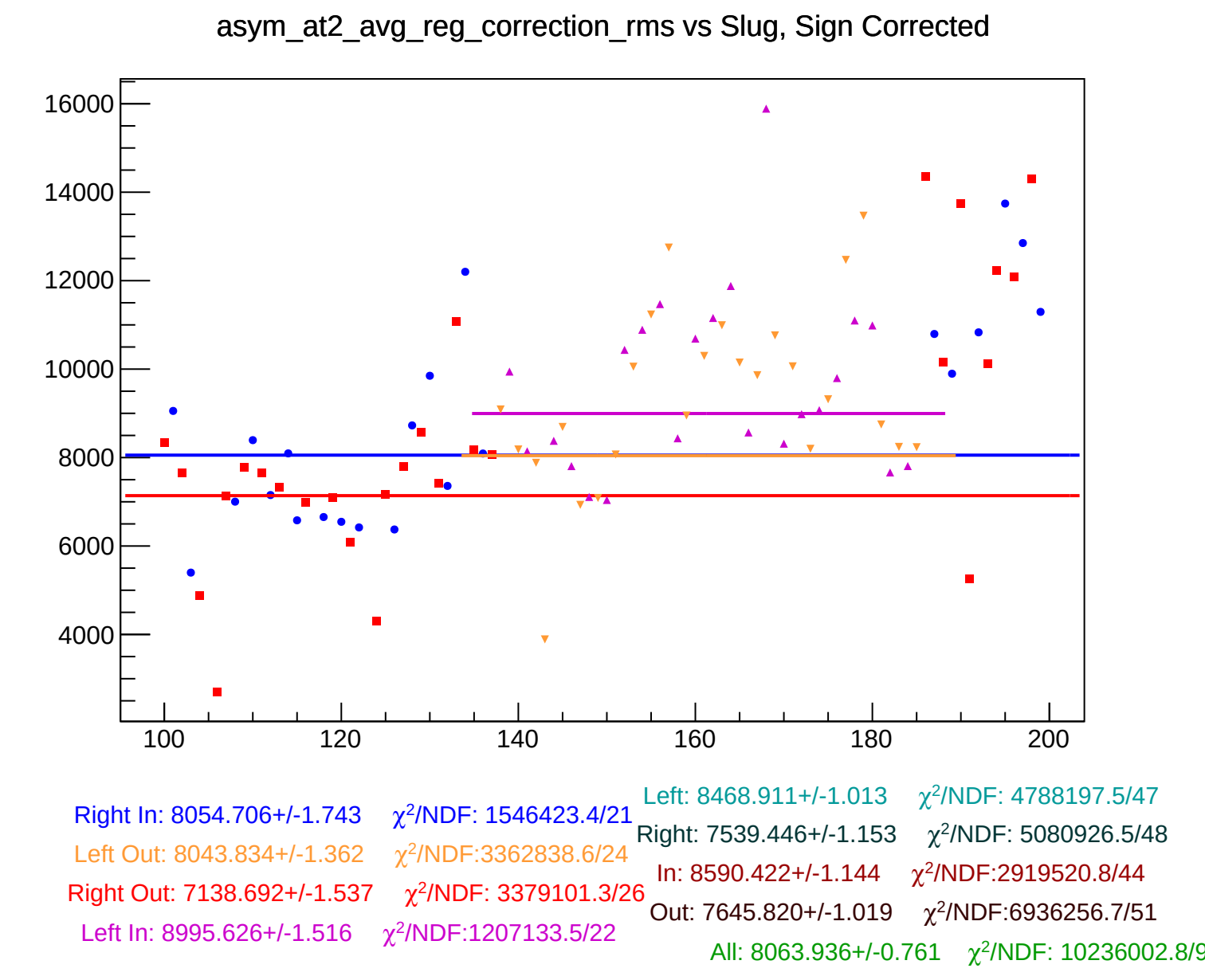
Left: -314.688+/-1432.465 χ^2/NDF: 43.3/47

Right: -2066.004+/-1630.195 χ^2/NDF: 51.7/48

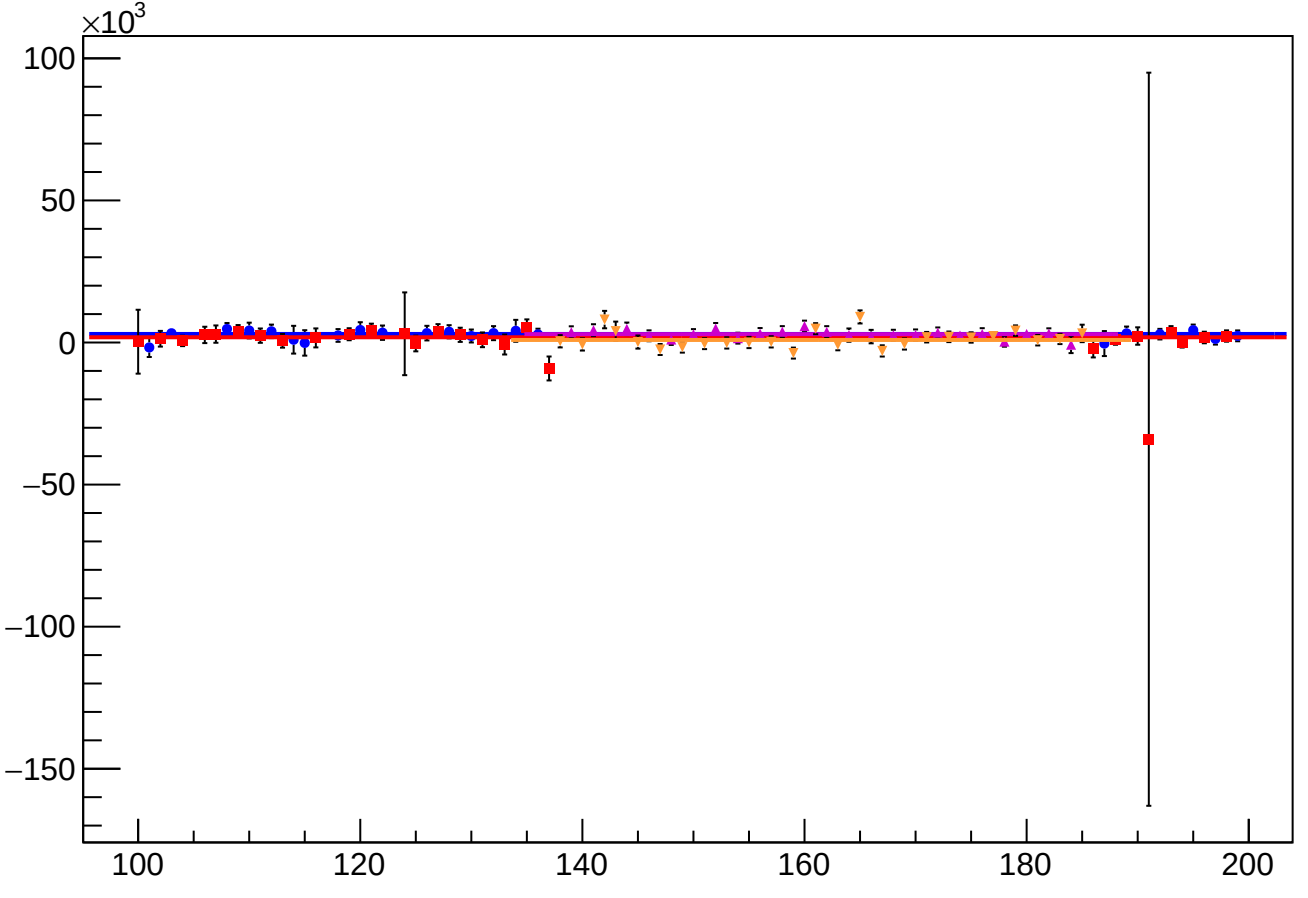
In: -137.275+/-1617.380 χ^2/NDF:36.7/44

Out: -1824.640+/-1441.345 χ^2/NDF:58.3/51

All: -1077.748+/-1076.060 χ^2/NDF: 95.6/96


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: 8054.706+/-1.743 χ²/NDF: 1546423.4/21
Left Out: 8043.834+/-1.362 χ²/NDF:3362838.6/24
Right Out: 7138.692+/-1.537 χ²/NDF: 3379101.3/26
Left In: 8995.626+/-1.516 χ²/NDF:1207133.5/22
Left: 8468.911+/-1.013 χ²/NDF: 4788197.5/47
Right: 7539.446+/-1.153 χ²/NDF: 5080926.5/48
In: 8590.422+/-1.144 χ²/NDF:2919520.8/44
Out: 7645.820+/-1.019 χ²/NDF:6936256.7/51
All: 8063.936+/-0.761 χ²/NDF: 10236002.8/9

cor_asym_at2_avg_mean vs Slug, Sign Corrected



Right In: 3007.857+/-511.636 χ^2/NDF: 6.3/21

Left Out: 898.842+/-405.540 χ^2/NDF:45.3/24

Right Out: 1840.979+/-495.976 χ^2/NDF: 17.9/26

Left In: 2943.173+/-412.069 χ^2/NDF:10.6/22

Left: 1904.684+/-289.041 χ^2/NDF: 68.3/47

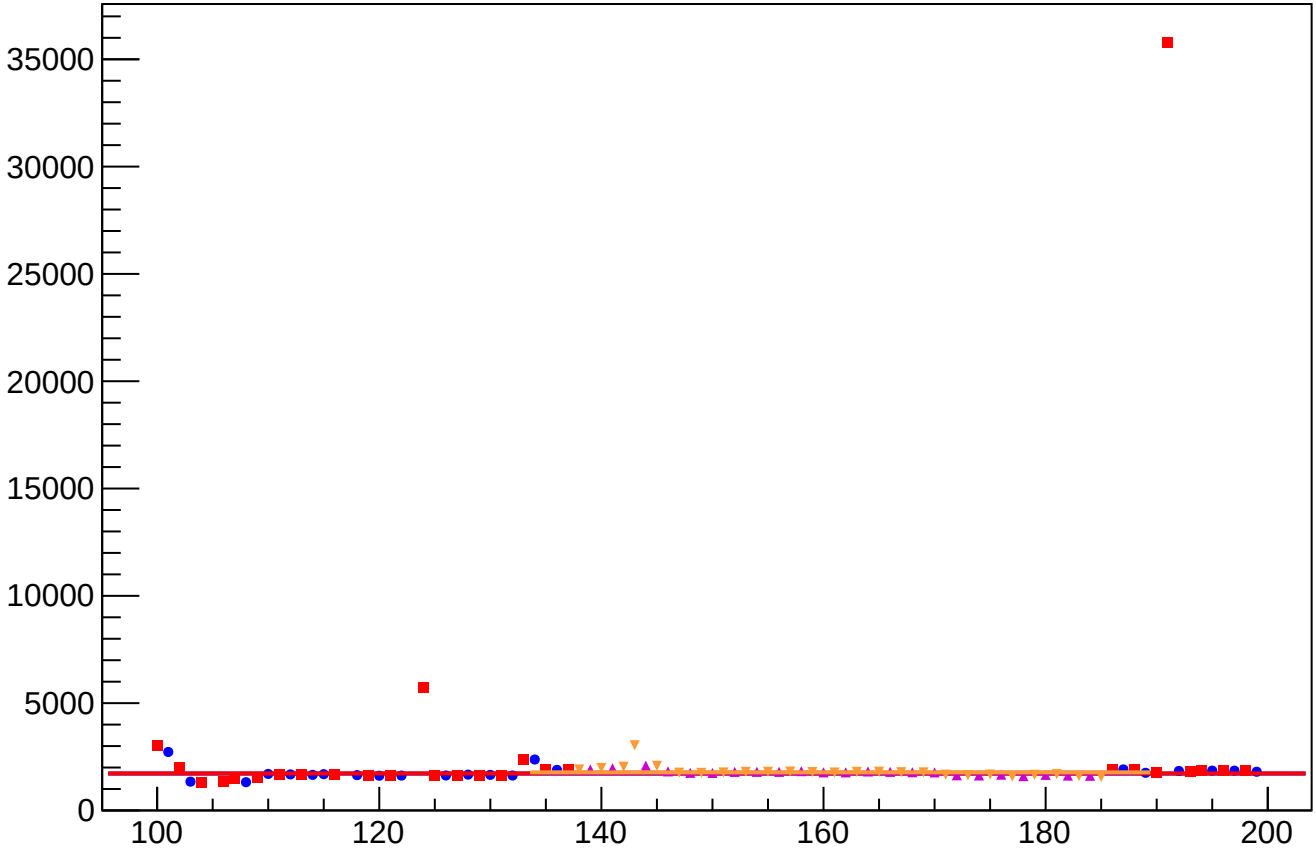
Right: 2406.288+/-356.116 χ^2/NDF: 26.9/48

In: 2968.622+/-320.925 χ^2/NDF:16.8/44

Out: 1276.341+/-313.951 χ^2/NDF:65.3/51

All: 2103.894+/-224.422 χ^2/NDF: 96.4/96

cor_asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 1718.913+/-0.362 χ^2/NDF: 466678.7/21

Left Out: 1774.731+/-0.287 χ^2/NDF:446895.7/24

Right Out: 1724.568+/-0.351 χ^2/NDF: 660628.5/26

Left In: 1761.089+/-0.291 χ^2/NDF:146266.6/22

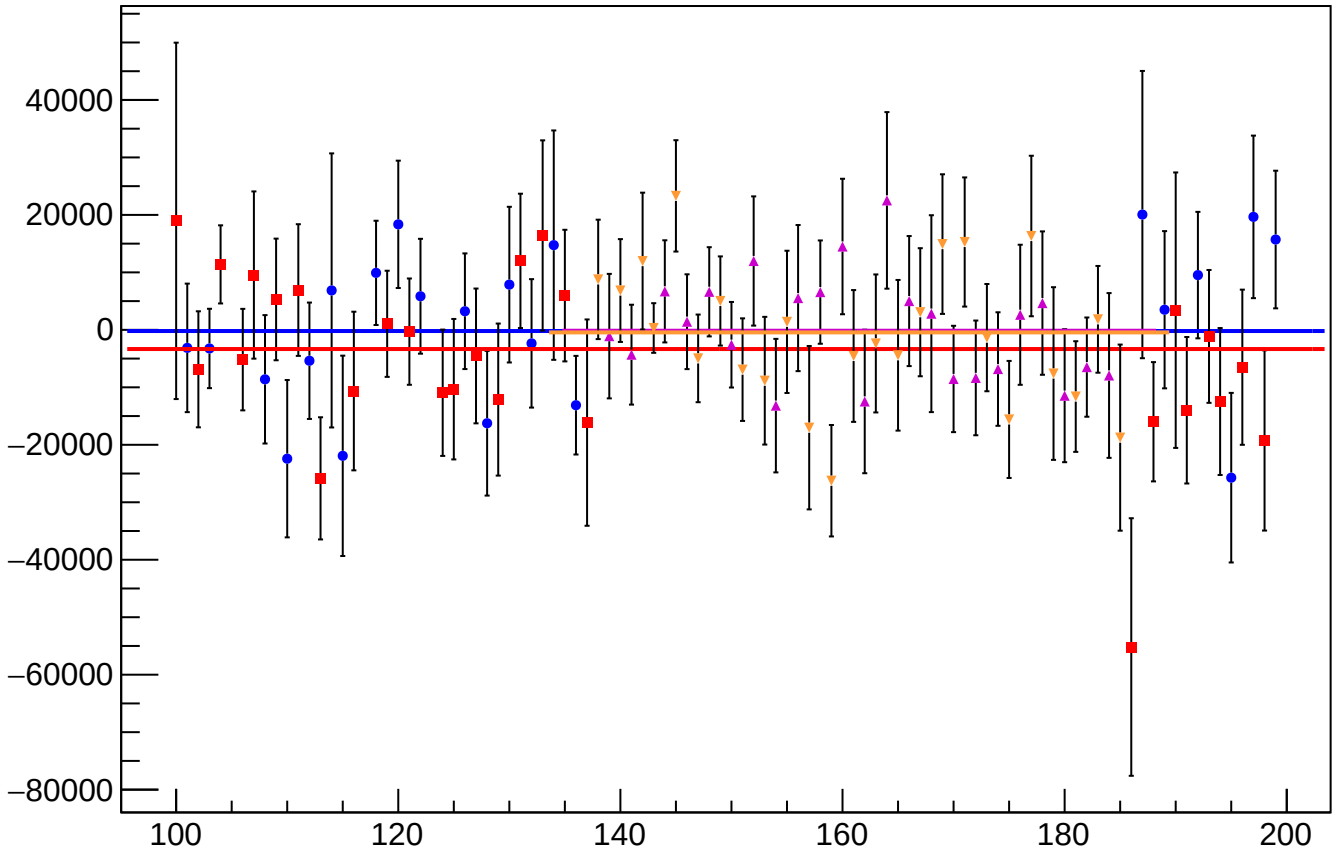
Left: 1768.019+/-0.204 χ^2/NDF: 594275.8/47

Right: 1721.828+/-0.252 χ^2/NDF: 1127433.2/48

In: 1744.495+/-0.227 χ^2/NDF:621188.6/44

Out: 1754.631+/-0.222 χ^2/NDF:1119785.2/51

All: 1749.674+/-0.159 χ^2/NDF: 1741993.4/96



Right In: -205.156+/-2461.972 χ^2/NDF: 23.0/21

Left Out: -443.387+/-1925.600 χ^2/NDF:29.5/24

Right Out: -3337.807+/-2258.016 χ^2/NDF: 27.5/26

Left In: -155.239+/-2143.487 χ^2/NDF:13.8/22

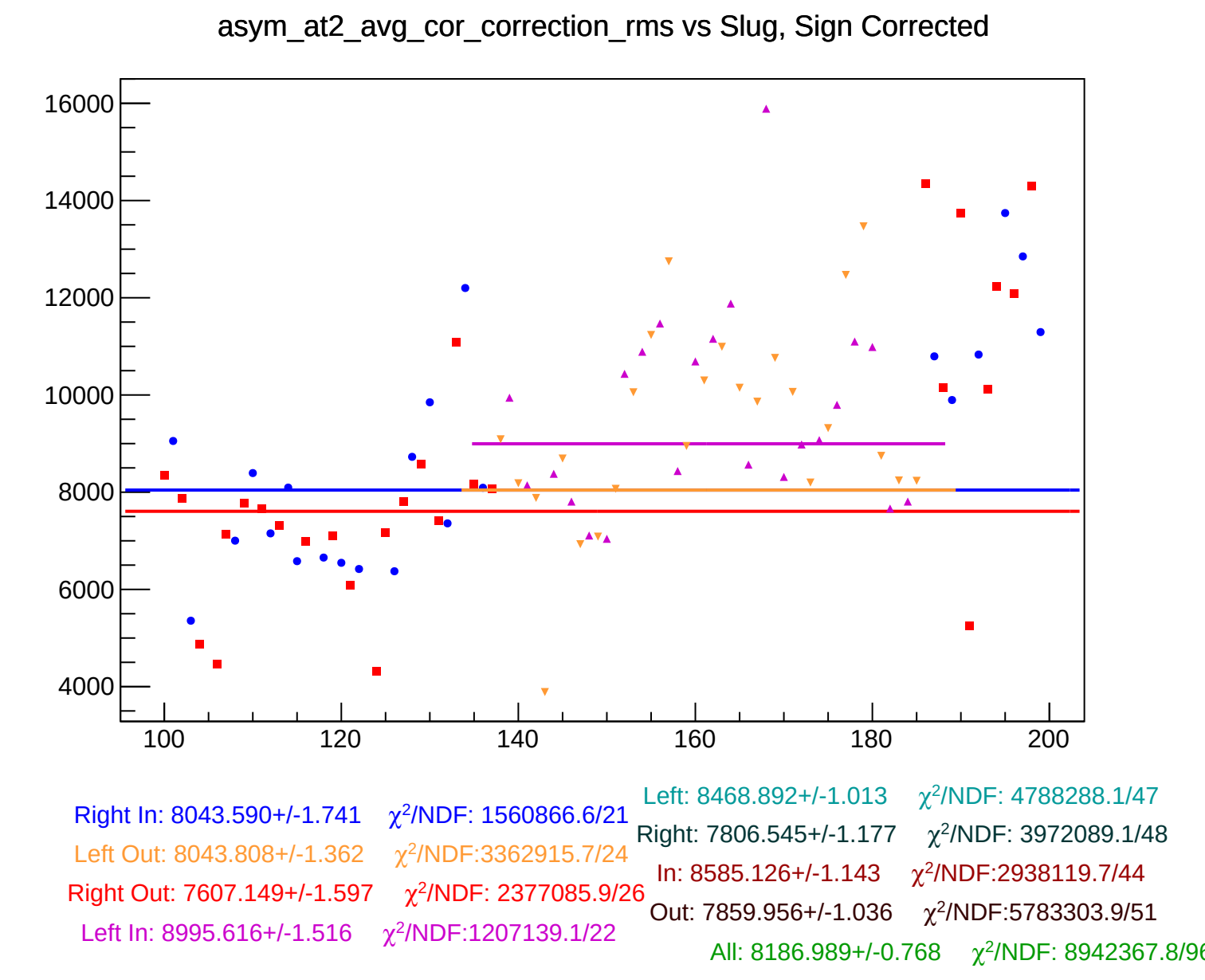
Left: -314.698+/-1432.462 χ^2/NDF: 43.3/47

Right: -1906.594+/-1664.099 χ^2/NDF: 51.4/48

In: -176.762+/-1616.628 χ^2/NDF:36.8/44

Out: -1662.060+/-1465.176 χ^2/NDF:58.0/51

All: -992.228+/-1085.640 χ^2/NDF: 95.2/96


asym_at2_avg_cor_correction_rms vs Slug, Sign Corrected
16000
14000
12000
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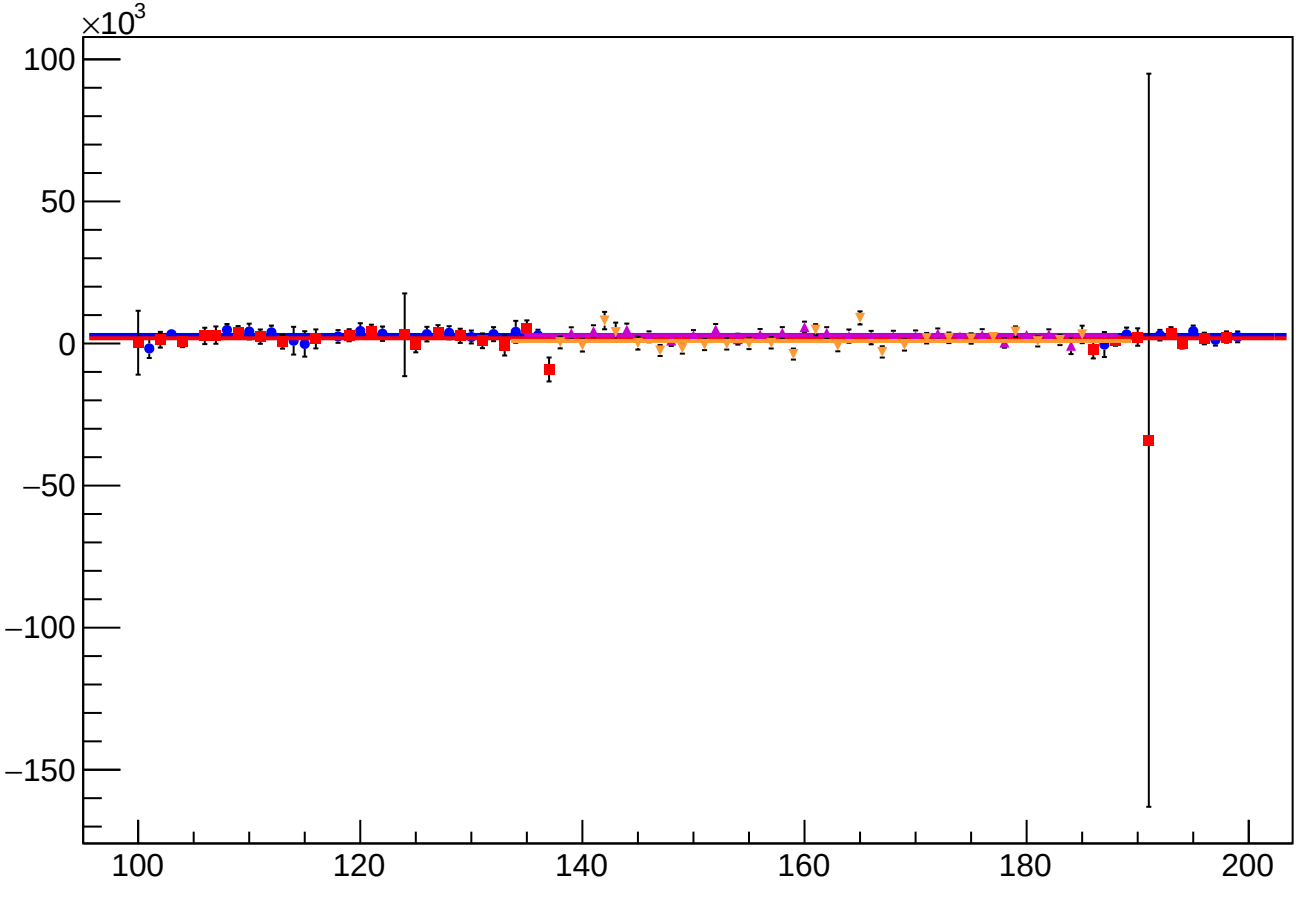
140
160
180
200
Right In: 8043.590+/-1.741 χ²/NDF: 1560866.6/21
Left Out: 8043.808+/-1.362 χ²/NDF:3362915.7/24
Right Out: 7607.149+/-1.597 χ²/NDF: 2377085.9/26
Left In: 8995.616+/-1.516 χ²/NDF:1207139.1/22
Left: 8468.892+/-1.013 χ²/NDF: 4788288.1/47
Right: 7806.545+/-1.177 χ²/NDF: 3972089.1/48
In: 8585.126+/-1.143 χ²/NDF:2938119.7/44
Out: 7859.956+/-1.036 χ²/NDF:5783303.9/51
All: 8186.989+/-0.768 χ²/NDF: 8942367.8/96



Right In: 3007.857+/-511.636 χ^2/NDF: 6.3/21

Left Out: 898.842+/-405.540 χ^2/NDF:45.3/24

Right Out: 1840.979+/-495.976 χ^2/NDF: 17.9/26

Left In: 2943.173+/-412.069 χ^2/NDF:10.6/22

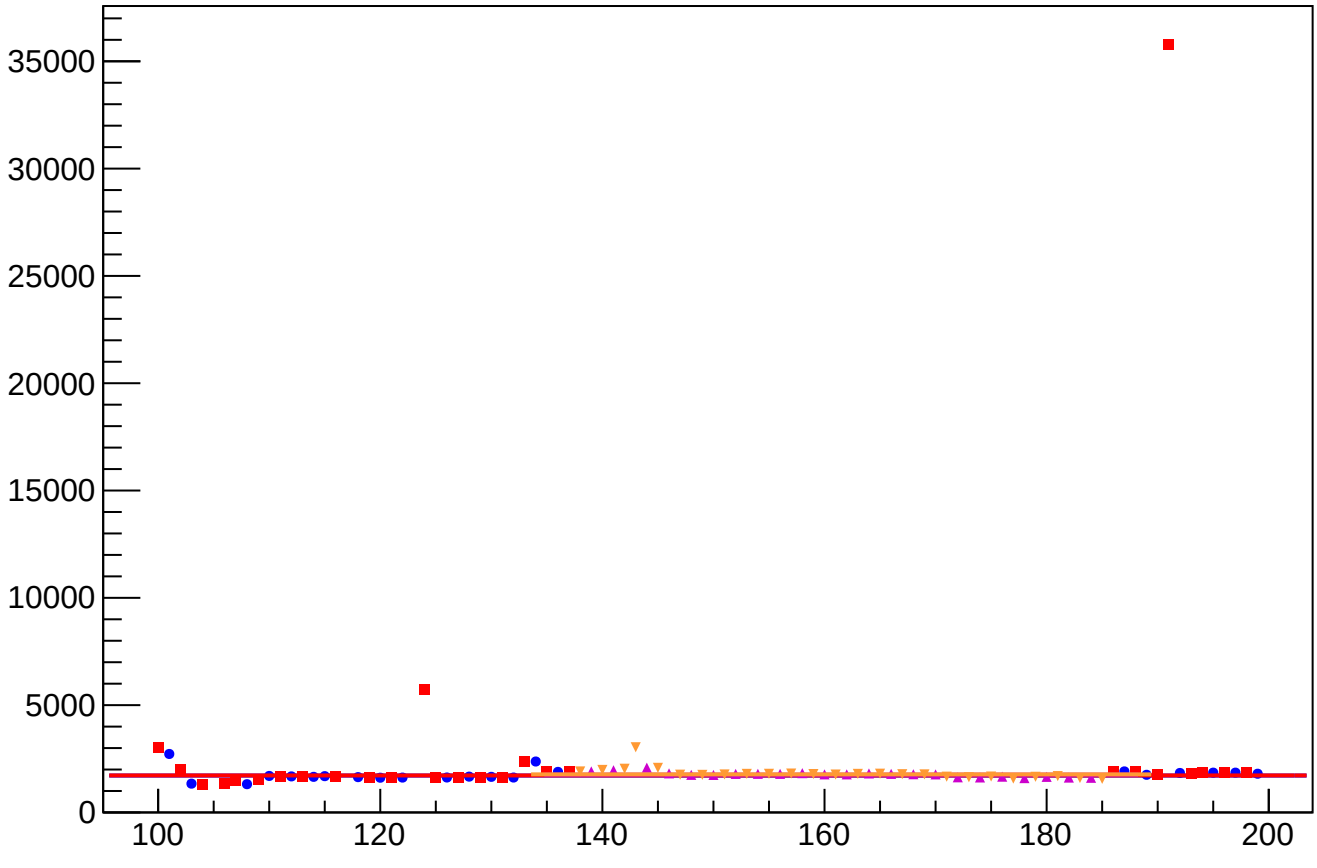
Left: 1904.684+/-289.041 χ^2/NDF: 68.3/47

Right: 2406.288+/-356.116 χ^2/NDF: 26.9/48

In: 2968.622+/-320.925 χ^2/NDF:16.8/44

Out: 1276.341+/-313.951 χ^2/NDF:65.3/51

All: 2103.894+/-224.422 χ^2/NDF: 96.4/96



Right In: 1718.913+/-0.362 χ^2/NDF: 466678.7/21

Left Out: 1774.731+/-0.287 χ^2/NDF:446895.7/24

Right Out: 1724.568+/-0.351 χ^2/NDF: 660628.5/26

Left In: 1761.089+/-0.291 χ^2/NDF:146266.6/22

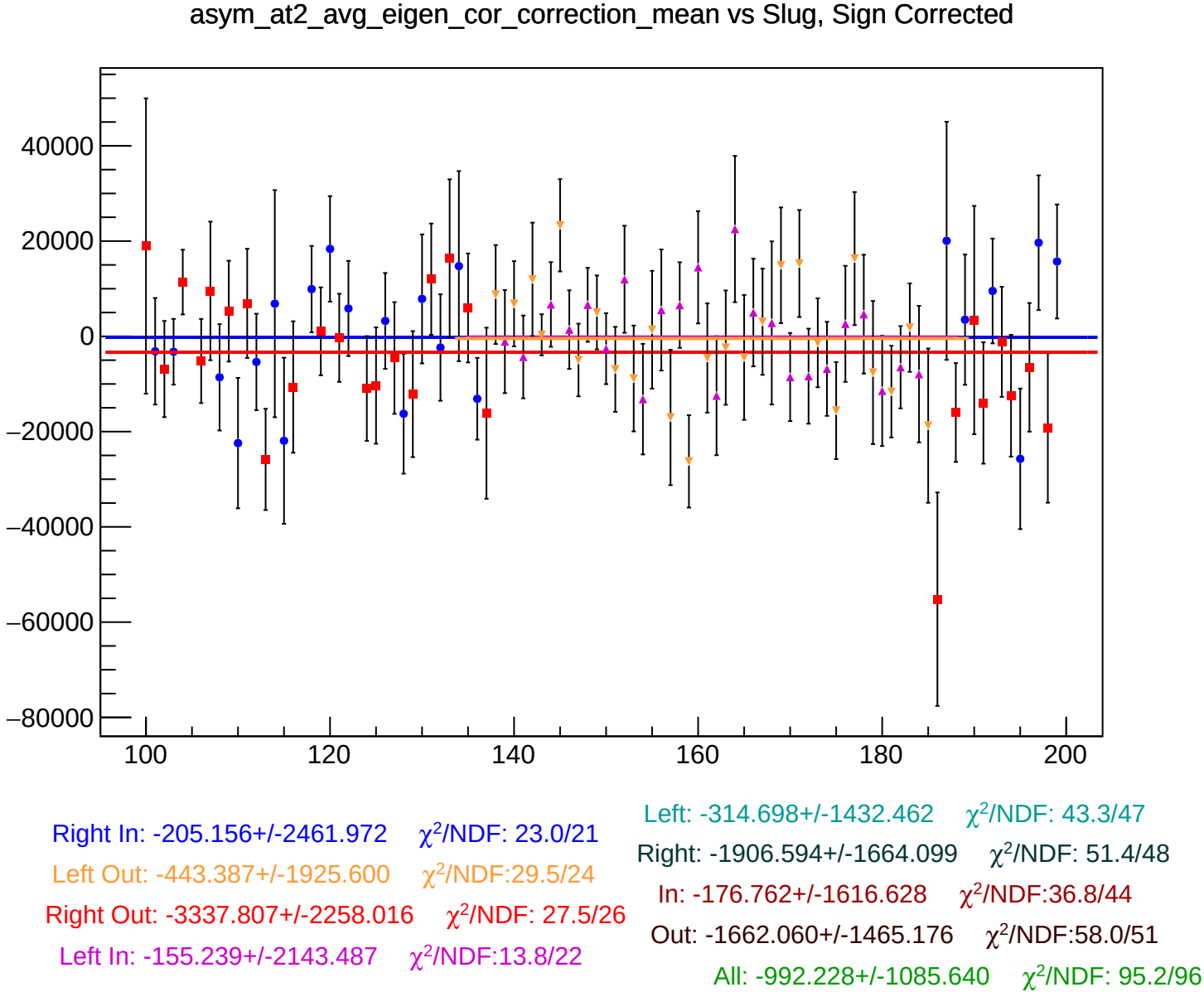
Left: 1768.019+/-0.204 χ^2/NDF: 594275.8/47

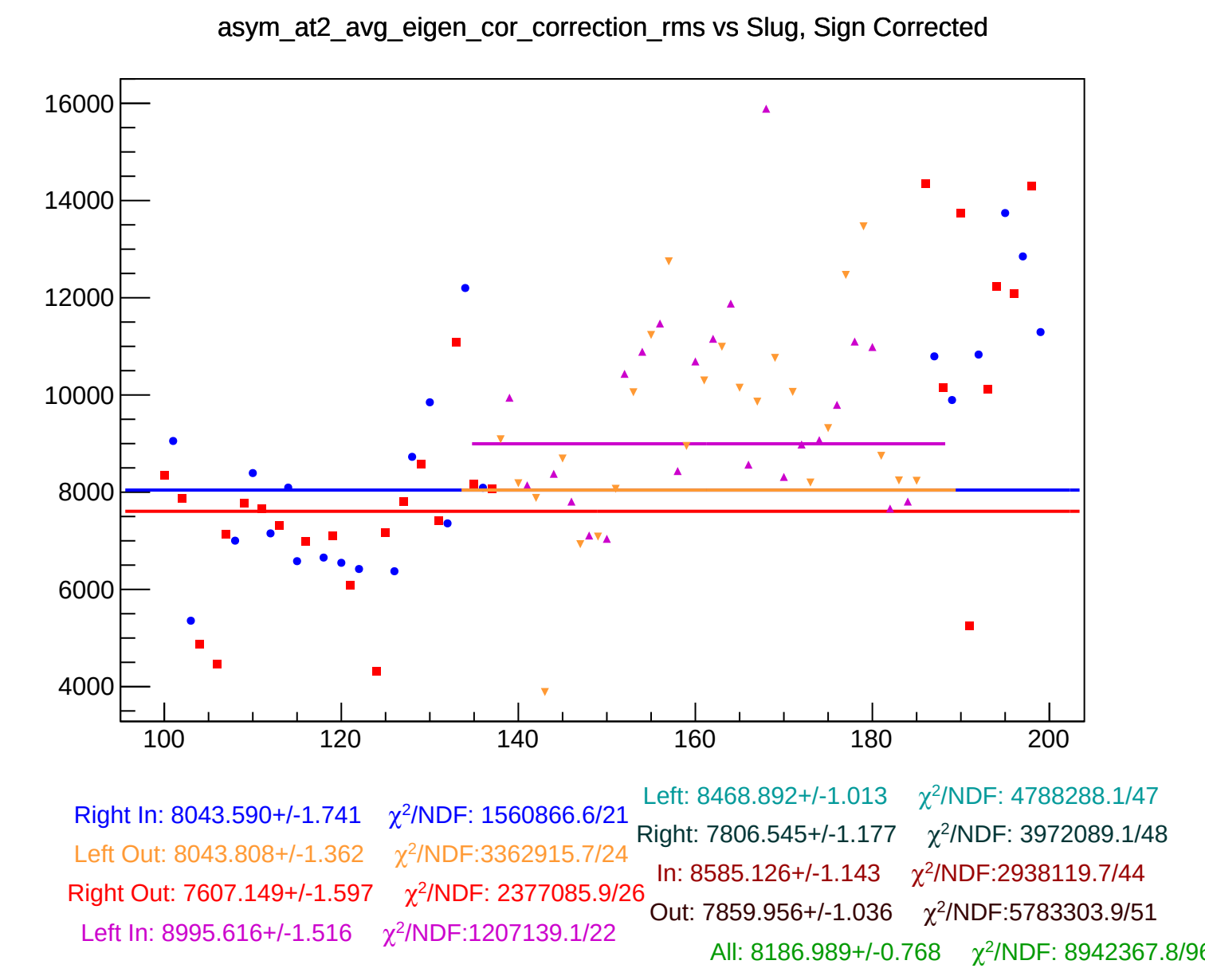
Right: 1721.828+/-0.252 χ^2/NDF: 1127433.2/48

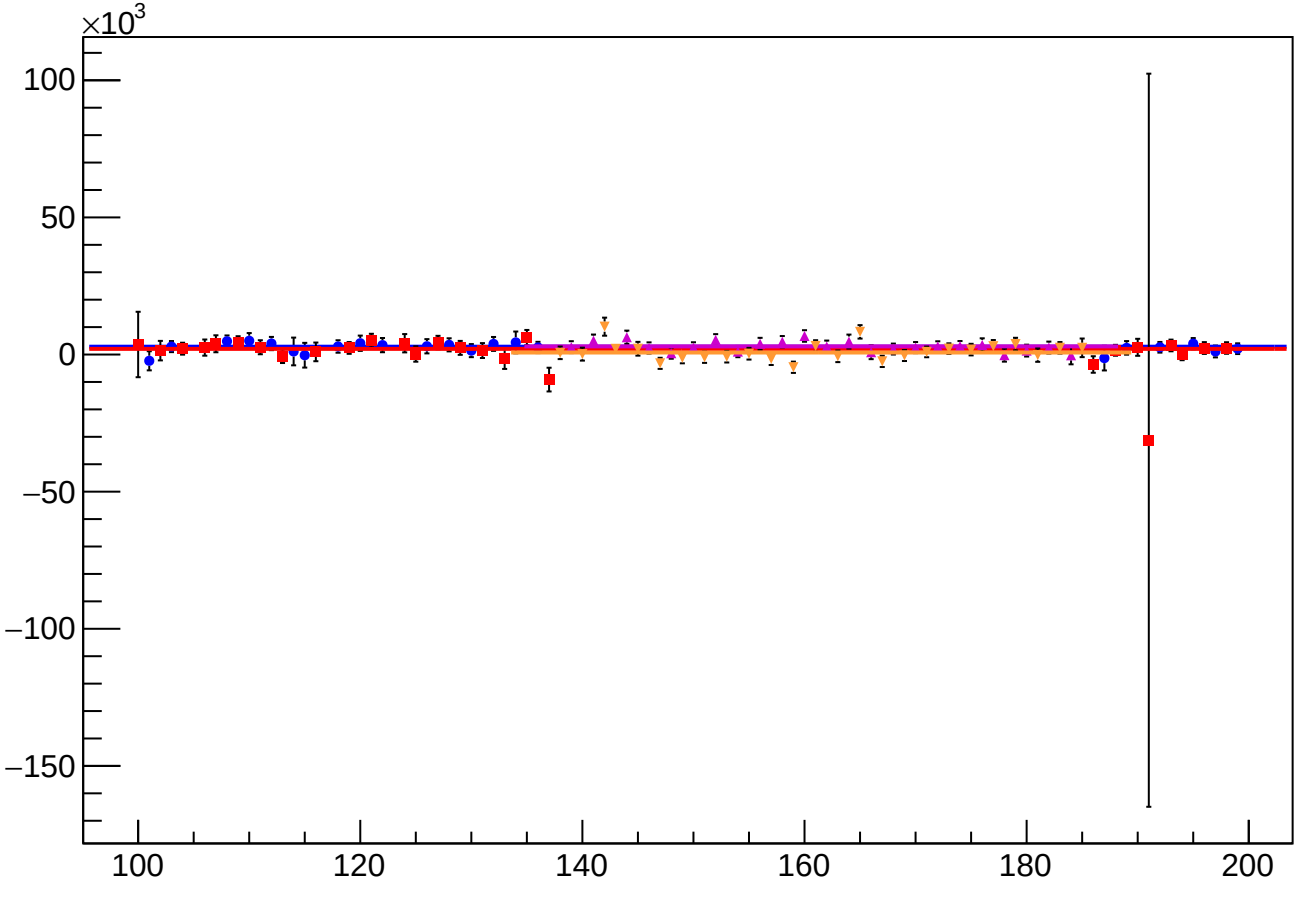
In: 1744.495+/-0.227 χ^2/NDF:621188.6/44

Out: 1754.631+/-0.222 χ^2/NDF:1119785.2/51

All: 1749.674+/-0.159 χ^2/NDF: 1741993.4/96


asym_at2_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
40000
20000
0
−20000
−40000
−60000
−80000
100
120
140
160
180
200
Right In: -205.156+/-2461.972 χ²/NDF: 23.0/21
Left Out: -443.387+/-1925.600 χ²/NDF:29.5/24
Right Out: -3337.807+/-2258.016 χ²/NDF: 27.5/26
Left In: -155.239+/-2143.487 χ²/NDF:13.8/22
Left: -314.698+/-1432.462 χ²/NDF: 43.3/47
Right: -1906.594+/-1664.099 χ²/NDF: 51.4/48
In: -176.762+/-1616.628 χ²/NDF:36.8/44
Out: -1662.060+/-1465.176 χ²/NDF:58.0/51
All: -992.228+/-1085.640 χ²/NDF: 95.2/96


asym_at2_avg_eigen_cor_correction_rms vs Slug, Sign Corrected
16000
14000
12000
10000
8000
6000
4000
100
120
140
160
180
200
Right In: 8043.590+/-1.741 χ²/NDF: 1560866.6/21
Left Out: 8043.808+/-1.362 χ²/NDF:3362915.7/24
Right Out: 7607.149+/-1.597 χ²/NDF: 2377085.9/26
Left In: 8995.616+/-1.516 χ²/NDF:1207139.1/22
Left: 8468.892+/-1.013 χ²/NDF: 4788288.1/47
Right: 7806.545+/-1.177 χ²/NDF: 3972089.1/48
In: 8585.126+/-1.143 χ²/NDF:2938119.7/44
Out: 7859.956+/-1.036 χ²/NDF:5783303.9/51
All: 8186.989+/-0.768 χ²/NDF: 8942367.8/96



Right In: 2854.230+/-530.822 χ^2/NDF: 7.4/21

Left Out: 739.029+/-432.878 χ^2/NDF:41.6/24

Right Out: 2068.094+/-510.591 χ^2/NDF: 21.6/26

Left In: 2979.225+/-450.334 χ^2/NDF:15.6/22

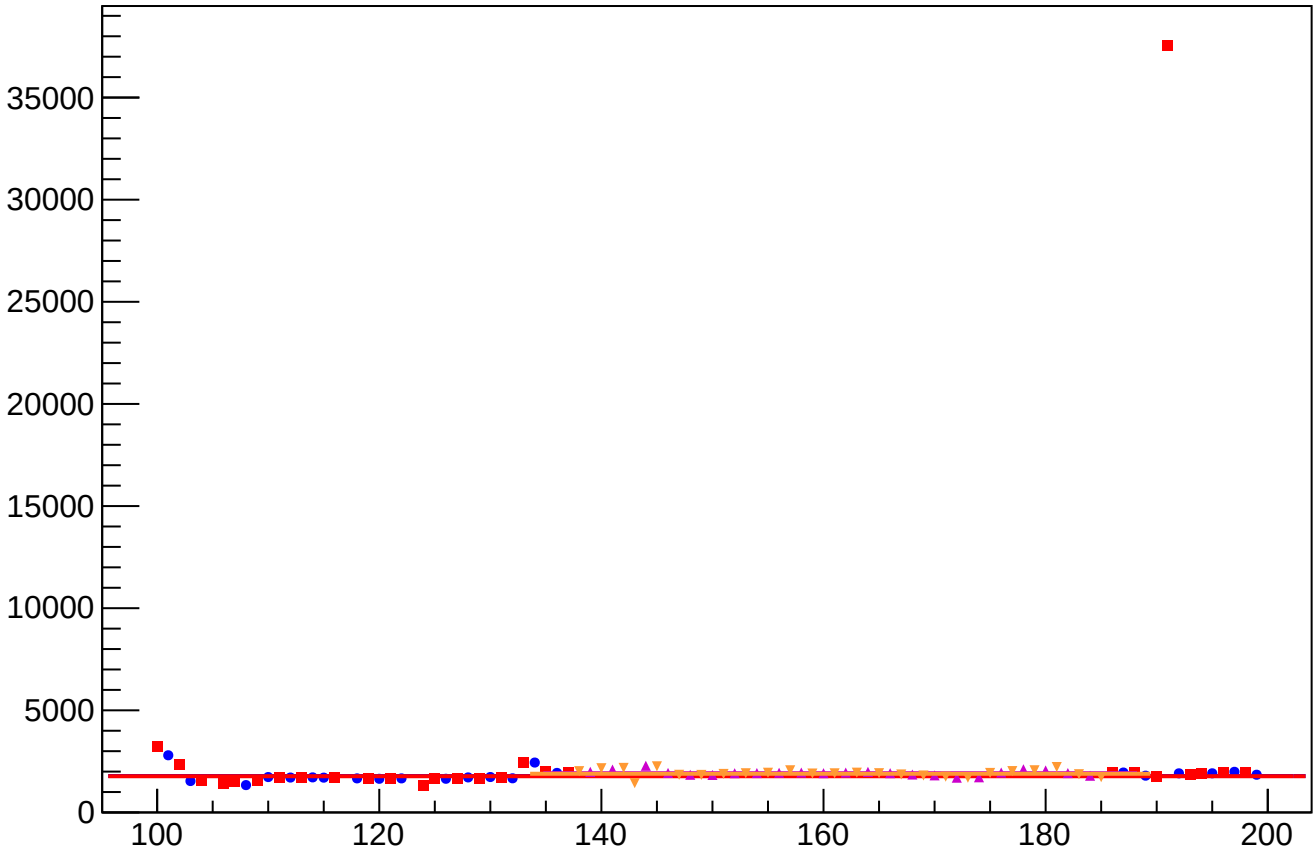
Left: 1814.868+/-312.080 χ^2/NDF: 70.1/47

Right: 2445.896+/-367.986 χ^2/NDF: 30.2/48

In: 2926.912+/-343.403 χ^2/NDF:23.1/44

Out: 1294.826+/-330.185 χ^2/NDF:67.2/51

All: 2078.855+/-238.012 χ^2/NDF: 102.0/96



Right In: 1784.200+/-0.375 χ^2/NDF: 422057.8/21

Left Out: 1894.684+/-0.306 χ^2/NDF:368587.1/24

Right Out: 1773.552+/-0.361 χ^2/NDF: 526012.6/26

Left In: 1923.038+/-0.318 χ^2/NDF:150977.3/22

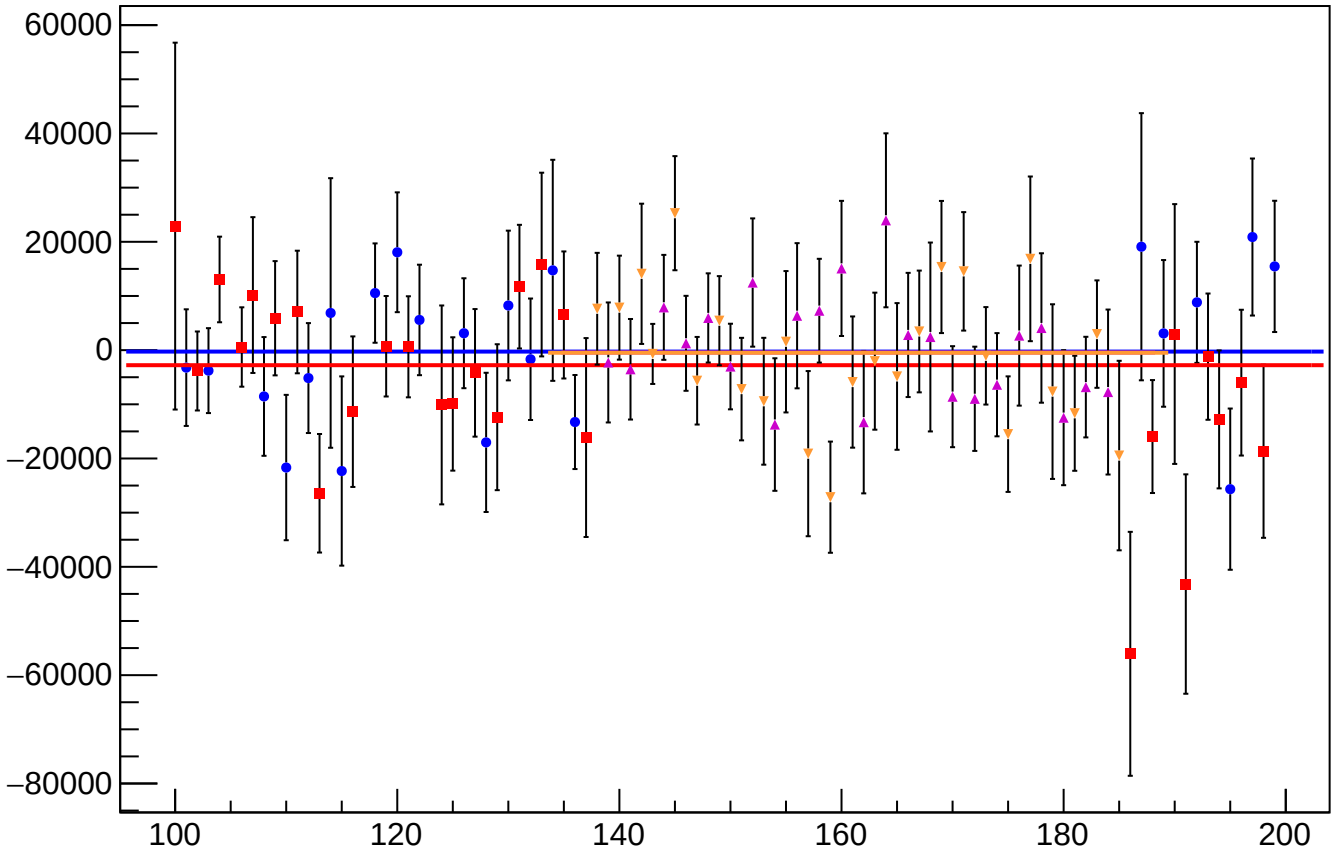
Left: 1908.301+/-0.221 χ^2/NDF: 523685.2/47

Right: 1778.668+/-0.260 χ^2/NDF: 948488.6/48

In: 1864.932+/-0.243 χ^2/NDF:652594.8/44

Out: 1844.014+/-0.233 χ^2/NDF:960110.0/51

All: 1854.062+/-0.168 χ^2/NDF: 1616561.3/96



Right In: -266.332+/-2508.641 χ^2/NDF: 22.8/21

Left Out: -479.338+/-2089.235 χ^2/NDF:28.8/24

Right Out: -2778.321+/-2266.855 χ^2/NDF: 30.3/26

Left In: -436.717+/-2245.180 χ^2/NDF:13.6/22

Left: -459.559+/-1529.474 χ^2/NDF: 42.4/47

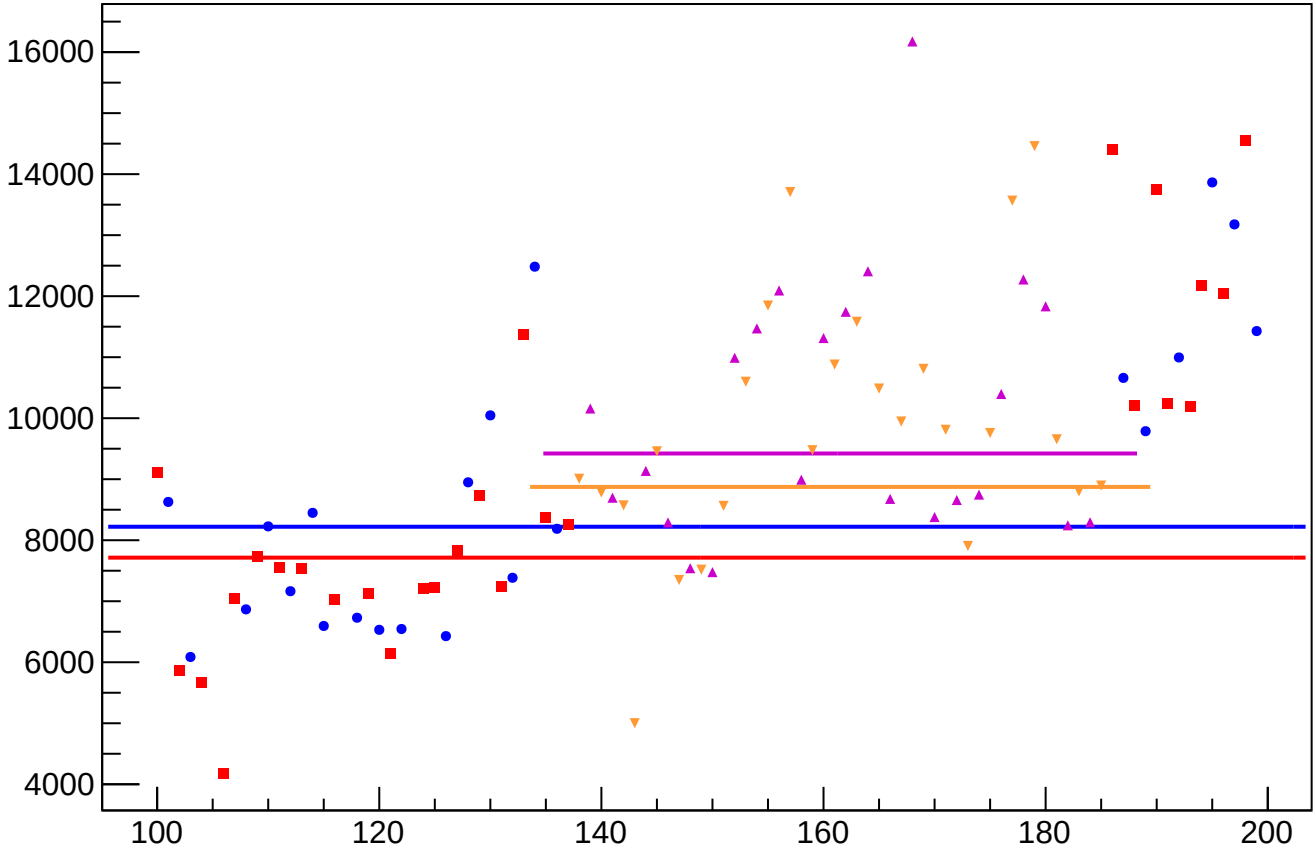
Right: -1649.185+/-1681.910 χ^2/NDF: 53.7/48

In: -360.939+/-1673.000 χ^2/NDF:36.4/44

Out: -1535.244+/-1536.273 χ^2/NDF:59.6/51

All: -998.030+/-1131.563 χ^2/NDF: 96.3/96

asym_at2_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 8221.168+/-1.774 χ^2/NDF: 1407780.0/21

Left Out: 8873.592+/-1.477 χ^2/NDF:2203249.6/24

Right Out: 7714.512+/-1.603 χ^2/NDF: 2287358.2/26

Left In: 9421.708+/-1.588 χ^2/NDF:1204848.0/22

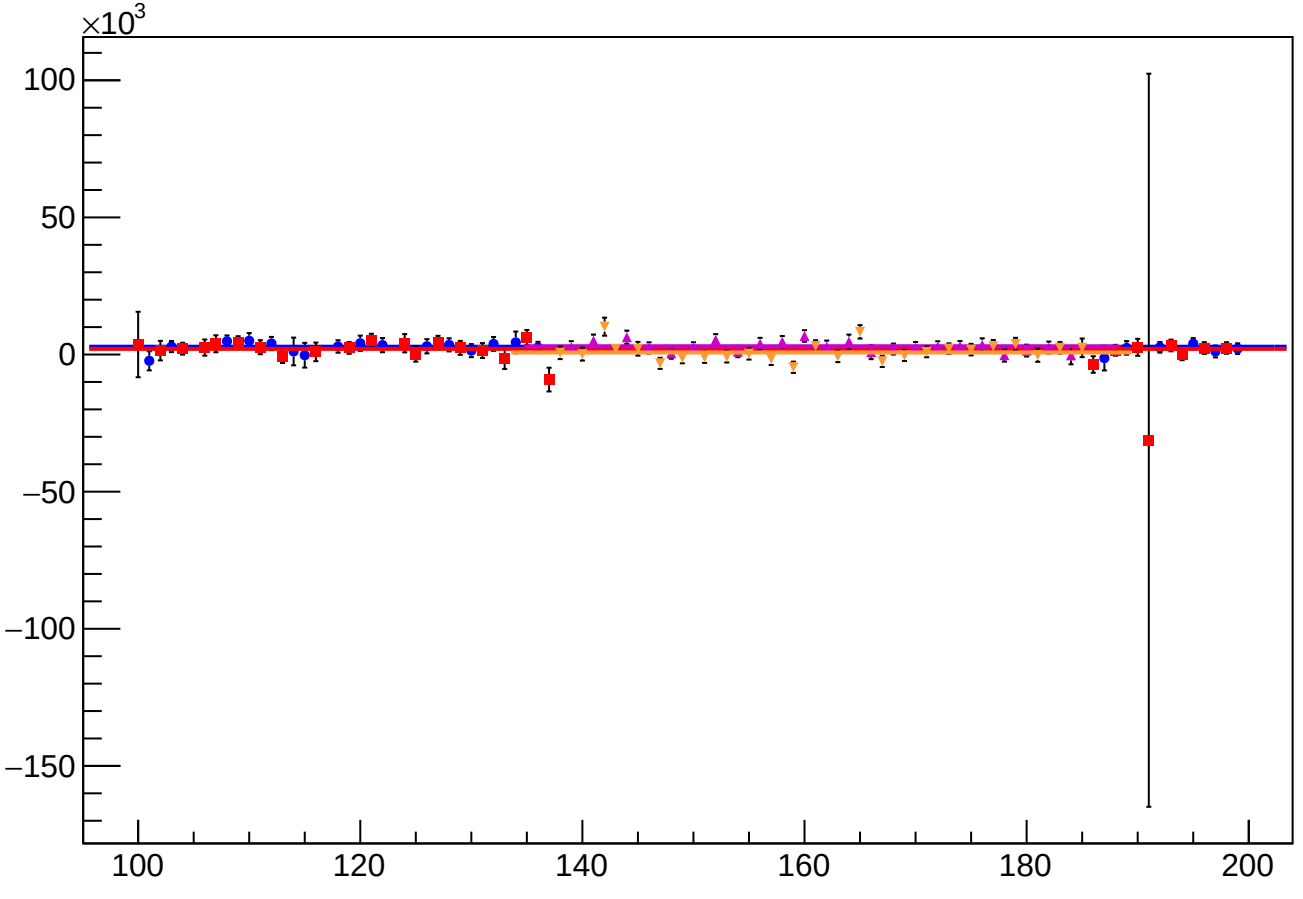
Left: 9127.955+/-1.082 χ^2/NDF: 3471980.0/47

Right: 7942.254+/-1.189 χ^2/NDF: 3740047.7/48

In: 8887.769+/-1.183 χ^2/NDF:2866956.6/44

Out: 8341.236+/-1.086 χ^2/NDF:4773337.8/51

All: 8591.260+/-0.800 χ^2/NDF: 7756090.2/96



Right In: 2854.230+/-530.821 χ^2/NDF: 7.4/21

Left Out: 739.018+/-432.879 χ^2/NDF:41.6/24

Right Out: 2068.097+/-510.591 χ^2/NDF: 21.6/26

Left In: 2979.226+/-450.335 χ^2/NDF:15.6/22

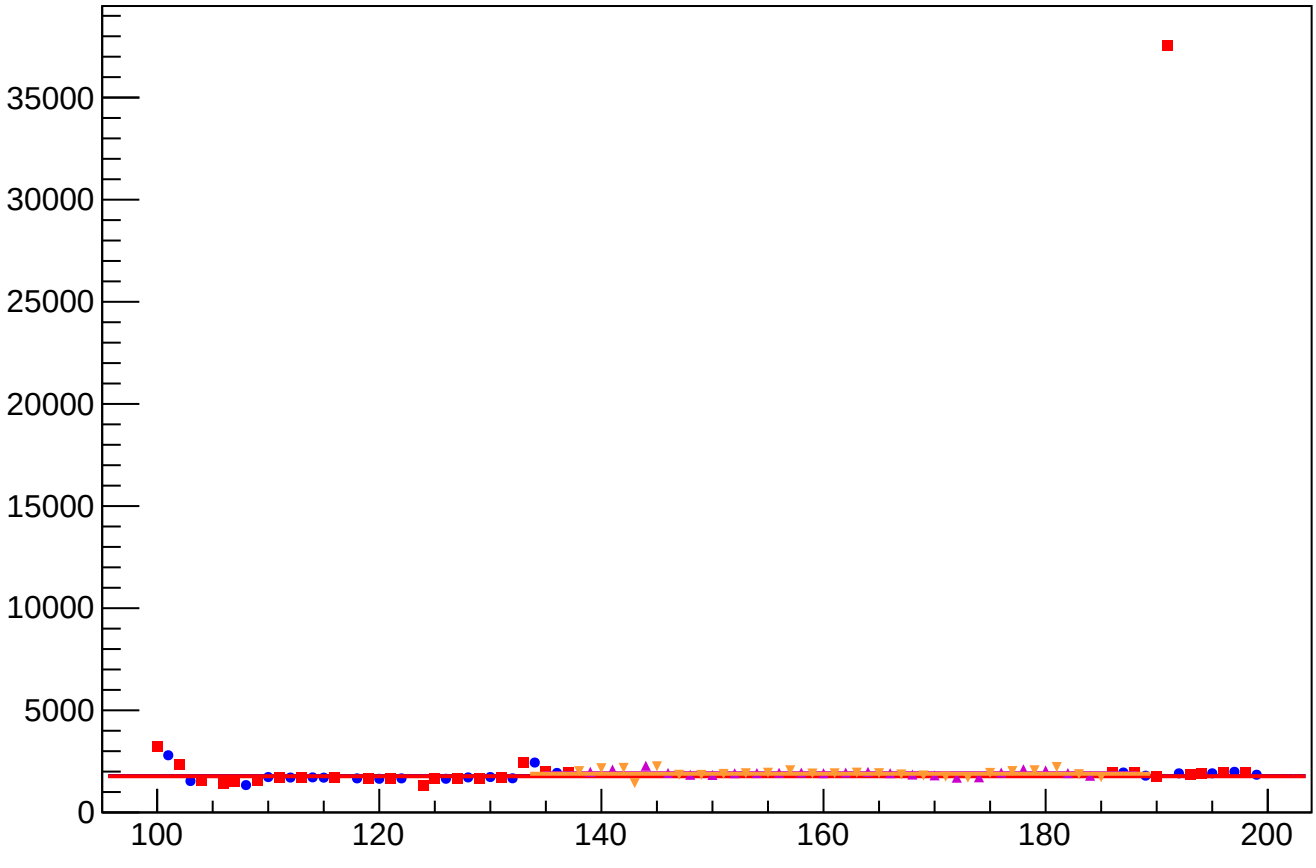
Left: 1814.862+/-312.080 χ^2/NDF: 70.1/47

Right: 2445.897+/-367.986 χ^2/NDF: 30.2/48

In: 2926.913+/-343.403 χ^2/NDF:23.1/44

Out: 1294.822+/-330.186 χ^2/NDF:67.2/51

All: 2078.853+/-238.012 χ^2/NDF: 102.0/96



Right In: 1784.199+/-0.375 χ^2/NDF: 422058.3/21

Left Out: 1894.687+/-0.306 χ^2/NDF:368594.6/24

Right Out: 1773.552+/-0.361 χ^2/NDF: 526013.8/26

Left In: 1923.042+/-0.318 χ^2/NDF:150984.8/22

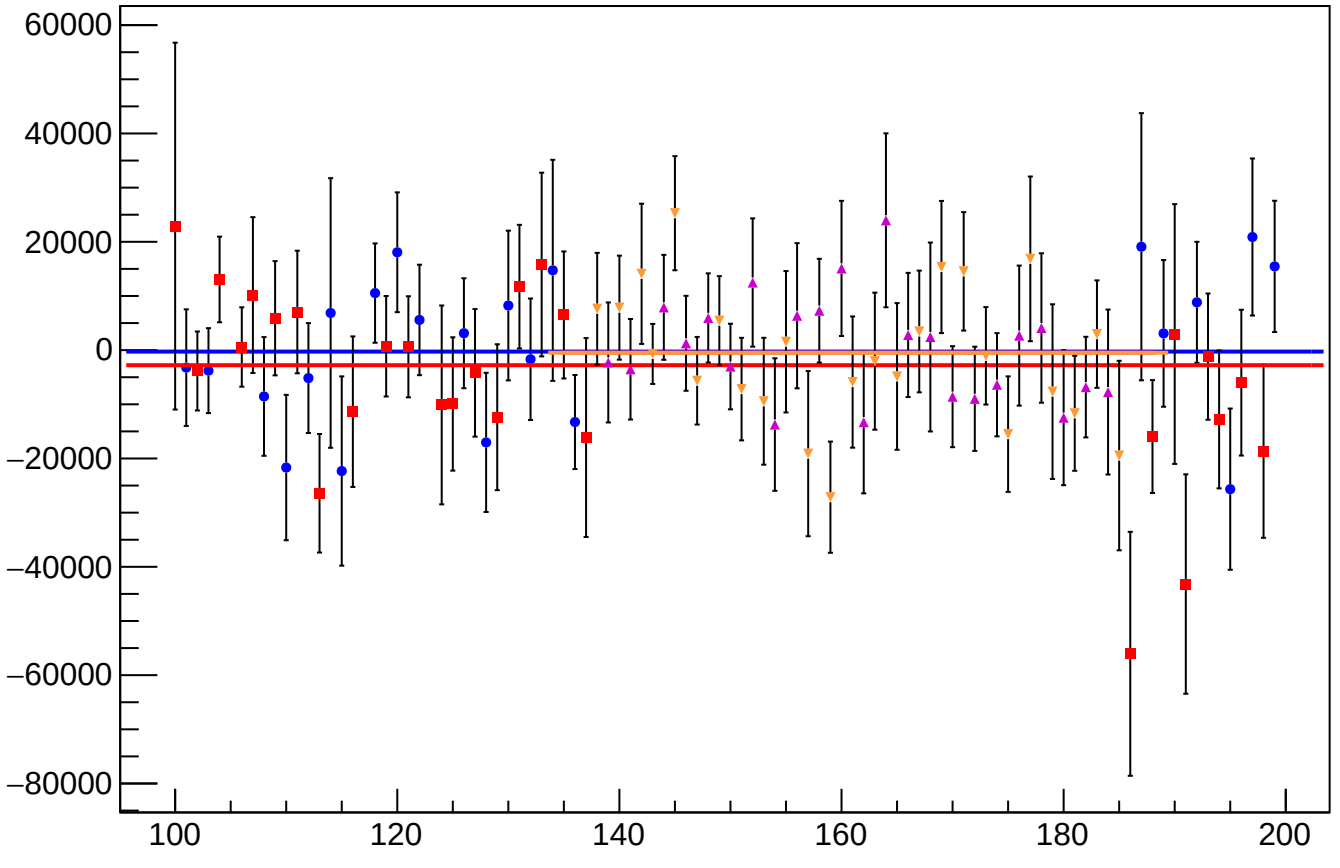
Left: 1908.304+/-0.221 χ^2/NDF: 523700.4/47

Right: 1778.667+/-0.260 χ^2/NDF: 948490.2/48

In: 1864.934+/-0.243 χ^2/NDF:652606.9/44

Out: 1844.016+/-0.233 χ^2/NDF:960122.2/51

All: 1854.064+/-0.168 χ^2/NDF: 1616585.4/96



Right In: -266.322+/-2508.637 χ^2/NDF: 22.8/21

Left Out: -479.345+/-2089.238 χ^2/NDF:28.8/24

Right Out: -2778.305+/-2266.851 χ^2/NDF: 30.3/26

Left In: -436.720+/-2245.183 χ^2/NDF:13.6/22

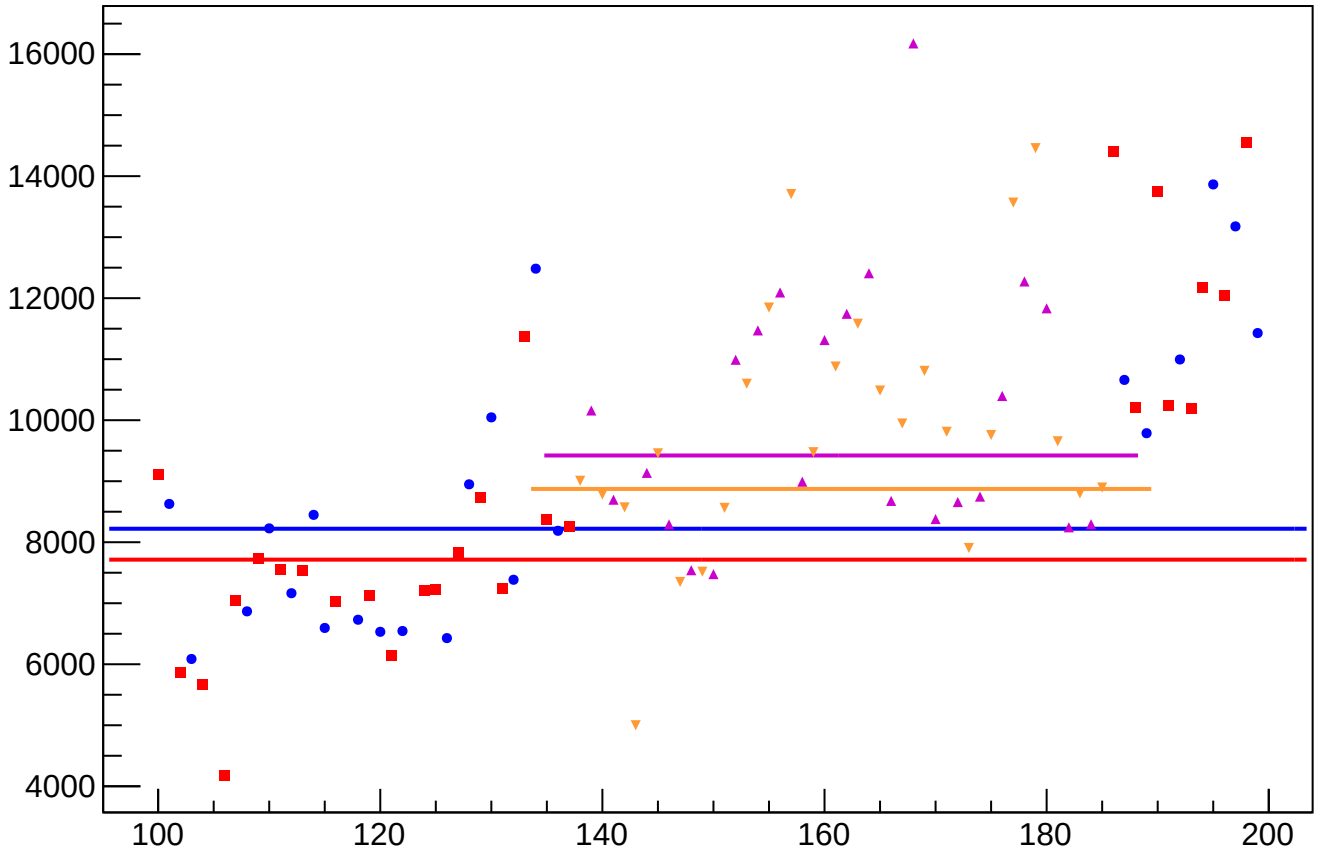
Left: -459.564+/-1529.476 χ^2/NDF: 42.4/47

Right: -1649.171+/-1681.908 χ^2/NDF: 53.7/48

In: -360.935+/-1673.000 χ^2/NDF:36.4/44

Out: -1535.244+/-1536.273 χ^2/NDF:59.6/51

All: -998.029+/-1131.564 χ^2/NDF: 96.3/96



Right In: 8221.153+/-1.774 χ^2/NDF: 1407796.0/21

Left Out: 8873.607+/-1.477 χ^2/NDF:2203251.2/24

Right Out: 7714.498+/-1.603 χ^2/NDF: 2287370.2/26

Left In: 9421.722+/-1.588 χ^2/NDF:1204851.9/22

Left: 9127.970+/-1.082 χ^2/NDF: 3471985.2/47

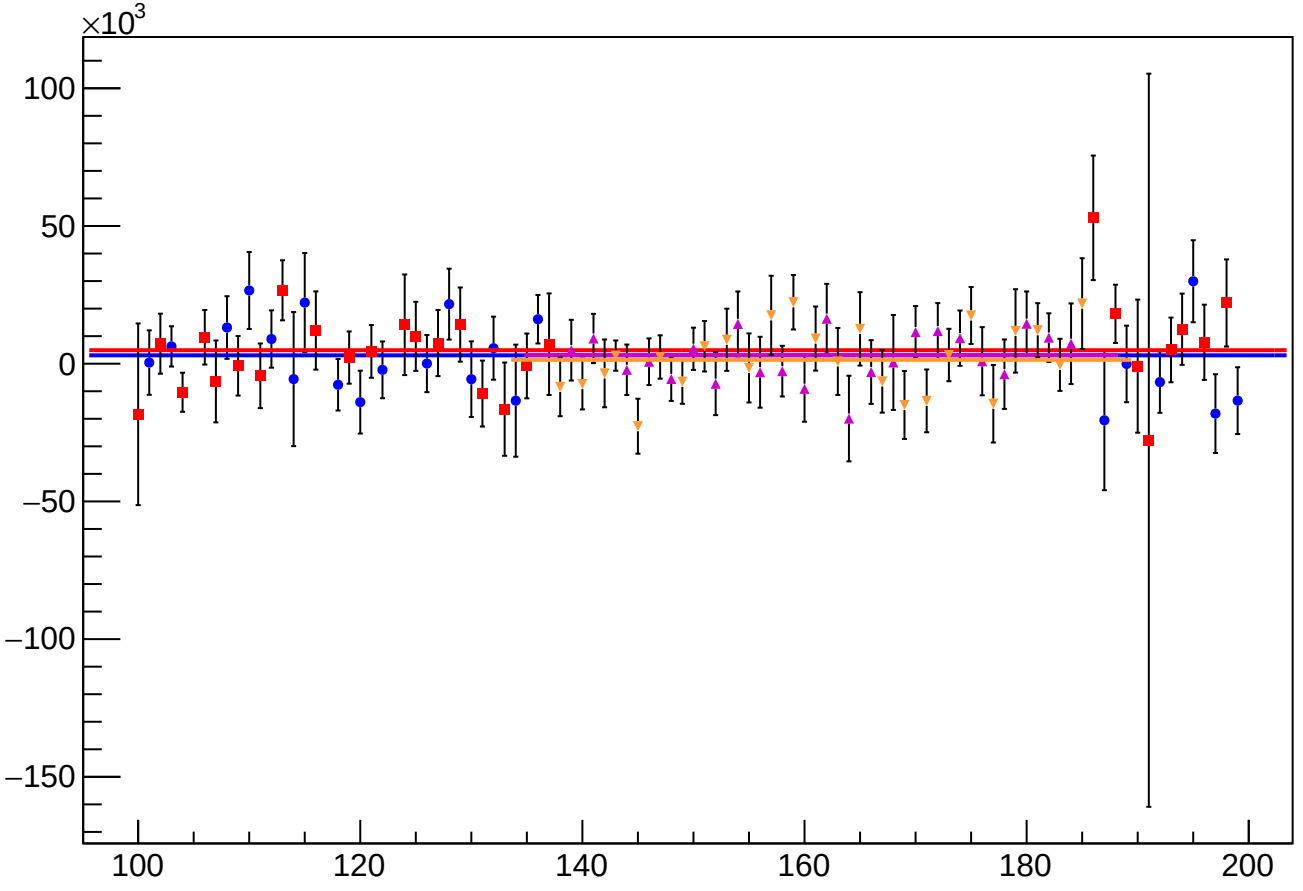
Right: 7942.239+/-1.189 χ^2/NDF: 3740075.5/48

In: 8887.768+/-1.183 χ^2/NDF:2866989.3/44

Out: 8341.235+/-1.086 χ^2/NDF:4773365.1/51

All: 8591.260+/-0.800 χ^2/NDF: 7756150.0/96

asym_at2_avg_mean vs Slug, Sign Corrected



Right In: 3038.394+/-2532.527 χ^2/NDF: 23.7/21

Left Out: 1408.316+/-2039.907 χ^2/NDF:27.4/24

Right Out: 4898.521+/-2404.991 χ^2/NDF: 23.5/26

Left In: 3139.264+/-2189.465 χ^2/NDF:13.0/22

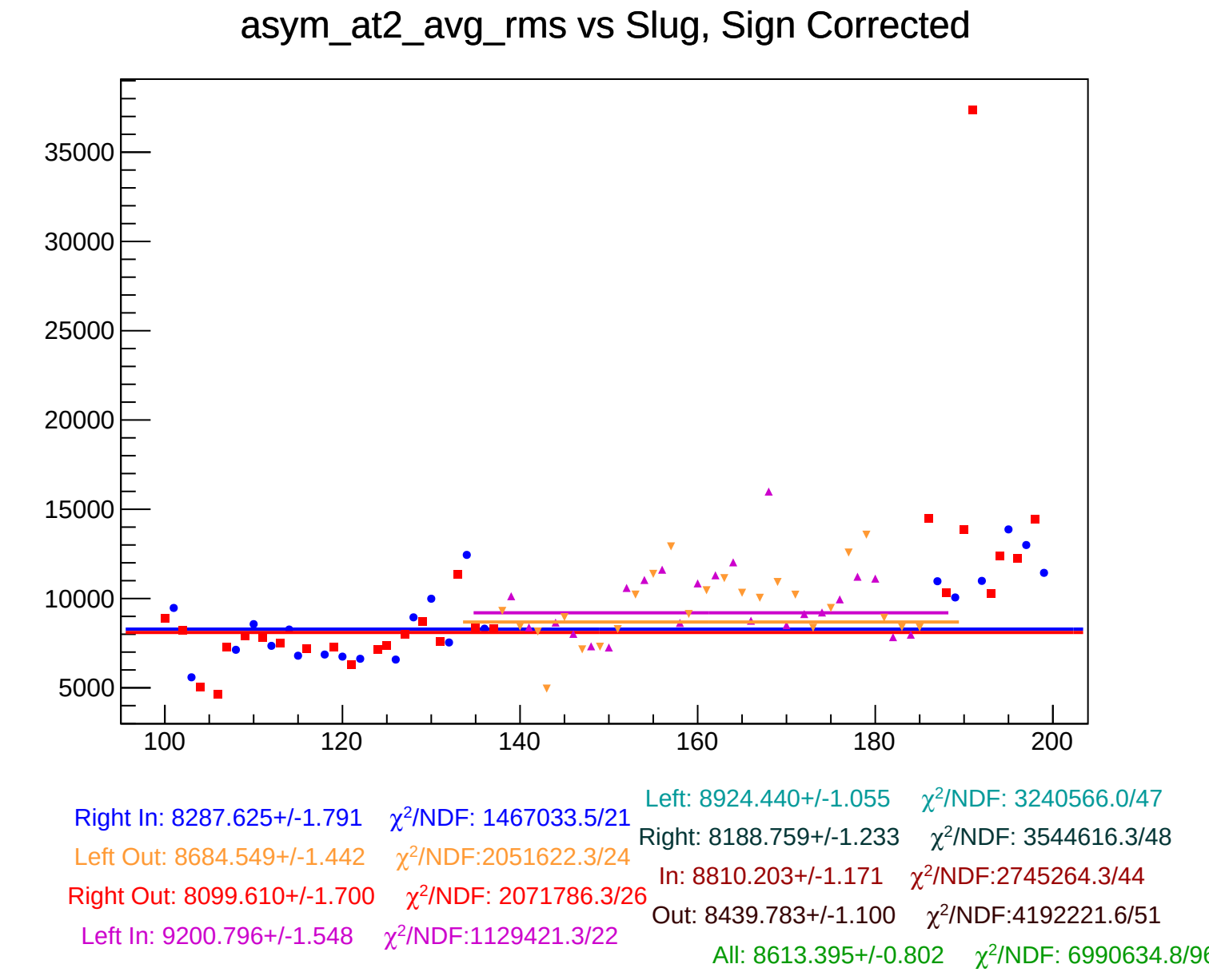
Left: 2212.657+/-1492.506 χ^2/NDF: 40.7/47

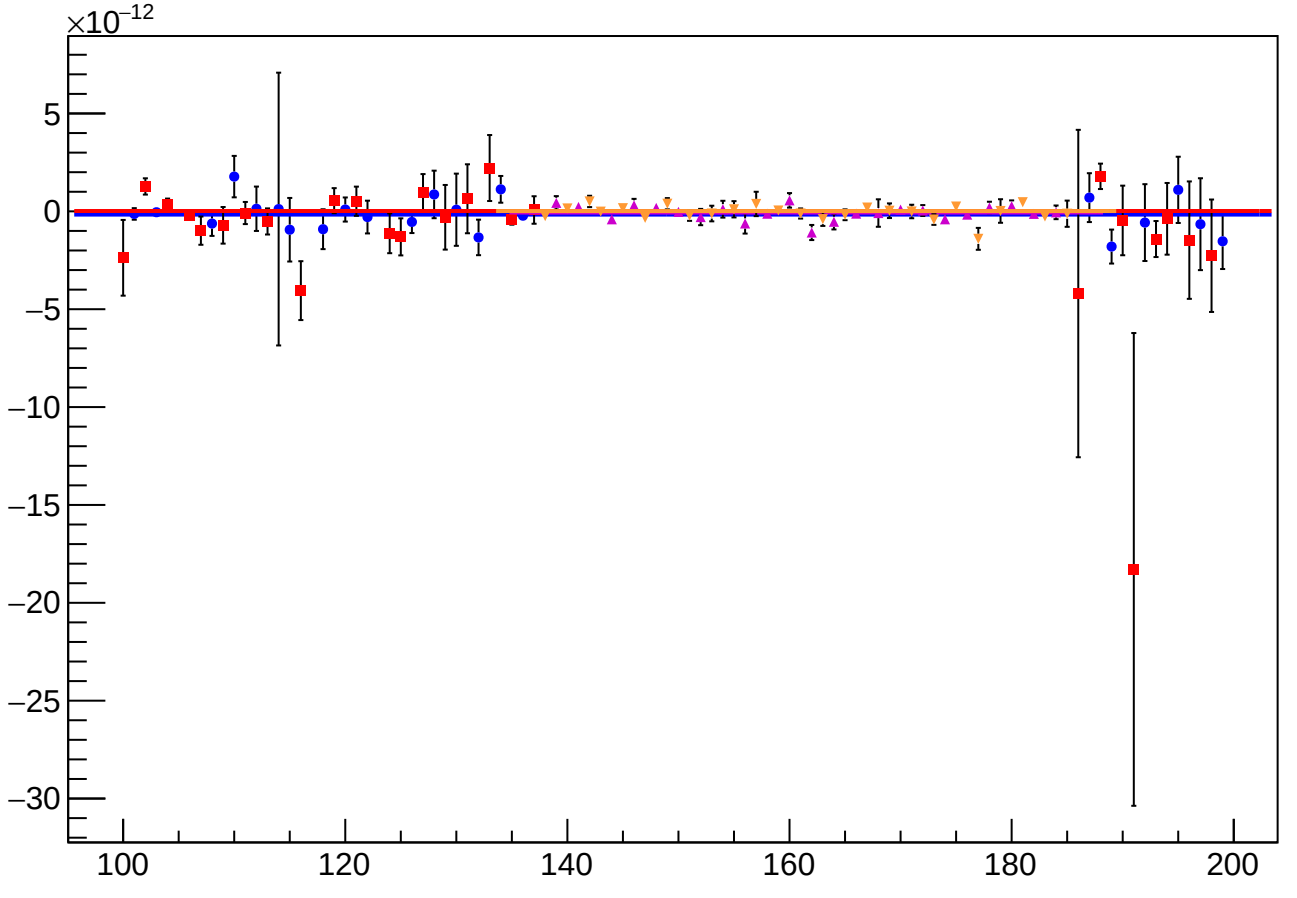
Right: 4016.472+/-1743.930 χ^2/NDF: 47.5/48

In: 3096.119+/-1656.299 χ^2/NDF:36.7/44

Out: 2868.669+/-1555.669 χ^2/NDF:52.2/51

All: 2975.275+/-1133.931 χ^2/NDF: 88.8/96


asym_at2_avg_rms vs Slug, Sign Corrected
35000
30000
25000
20000
15000
10000
5000
100
120
140
160
180
200
Right In: 8287.625+/-1.791 χ²/NDF: 1467033.5/21
Left Out: 8684.549+/-1.442 χ²/NDF:2051622.3/24
Right Out: 8099.610+/-1.700 χ²/NDF: 2071786.3/26
Left In: 9200.796+/-1.548 χ²/NDF:1129421.3/22
Left: 8924.440+/-1.055 χ²/NDF: 3240566.0/47
Right: 8188.759+/-1.233 χ²/NDF: 3544616.3/48
In: 8810.203+/-1.171 χ²/NDF:2745264.3/44
Out: 8439.783+/-1.100 χ²/NDF:4192221.6/51
All: 8613.395+/-0.802 χ²/NDF: 6990634.8/96



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/21

Left Out: 0.000+/-0.000 χ^2/NDF:28.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 46.2/26

Left In: -0.000+/-0.000 χ^2/NDF:27.8/22

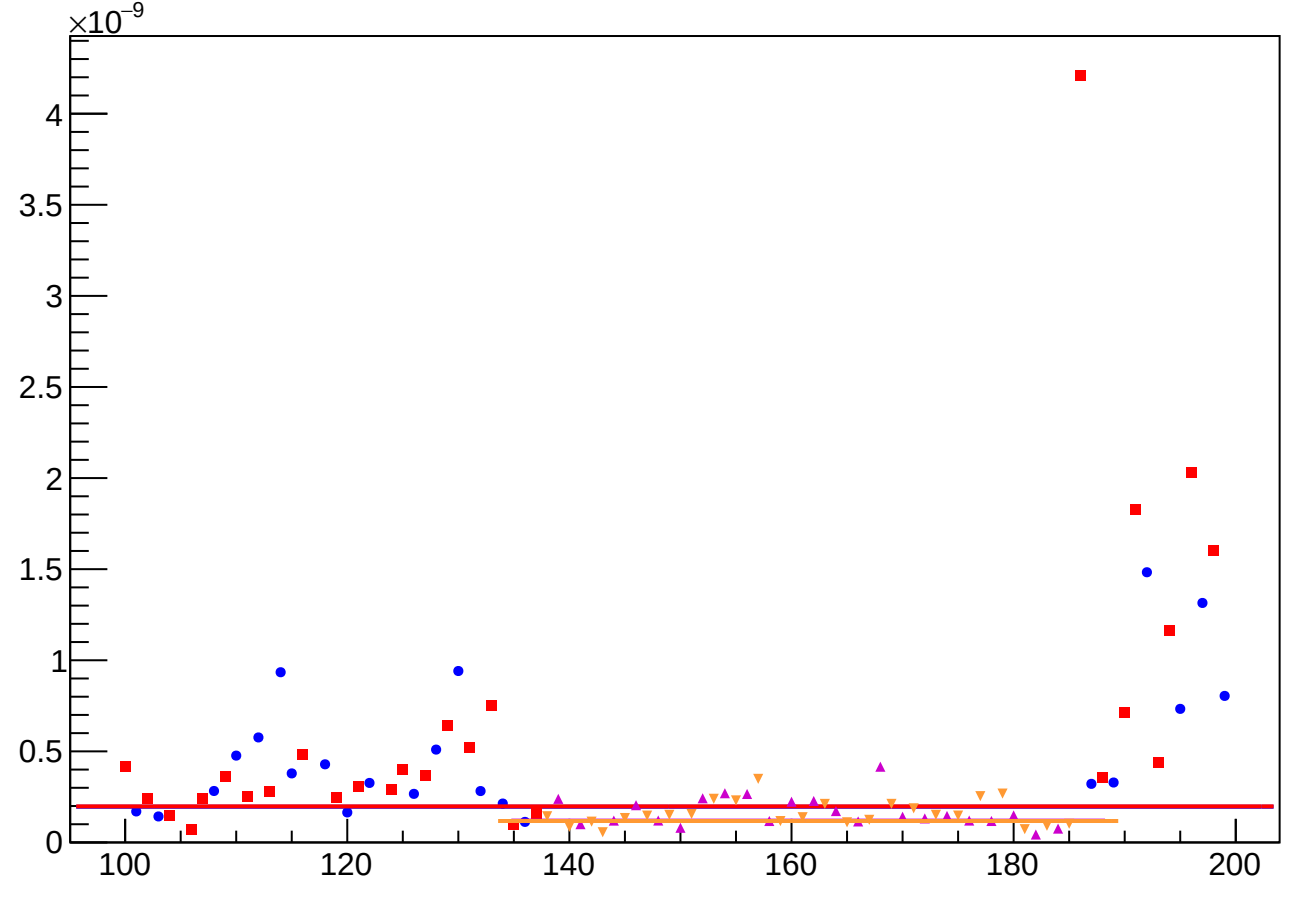
Left: -0.000+/-0.000 χ^2/NDF: 57.7/47

Right: -0.000+/-0.000 χ^2/NDF: 64.6/48

In: -0.000+/-0.000 χ^2/NDF:45.7/44

Out: 0.000+/-0.000 χ^2/NDF:75.1/51

All: -0.000+/-0.000 χ^2/NDF: 122.8/96



Right In: 0.000+/-0.000 χ^2/NDF: 3528725.8/21

Left Out: 0.000+/-0.000 χ^2/NDF:2335885.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4417391.6/26

Left In: 0.000+/-0.000 χ^2/NDF:2660632.2/22

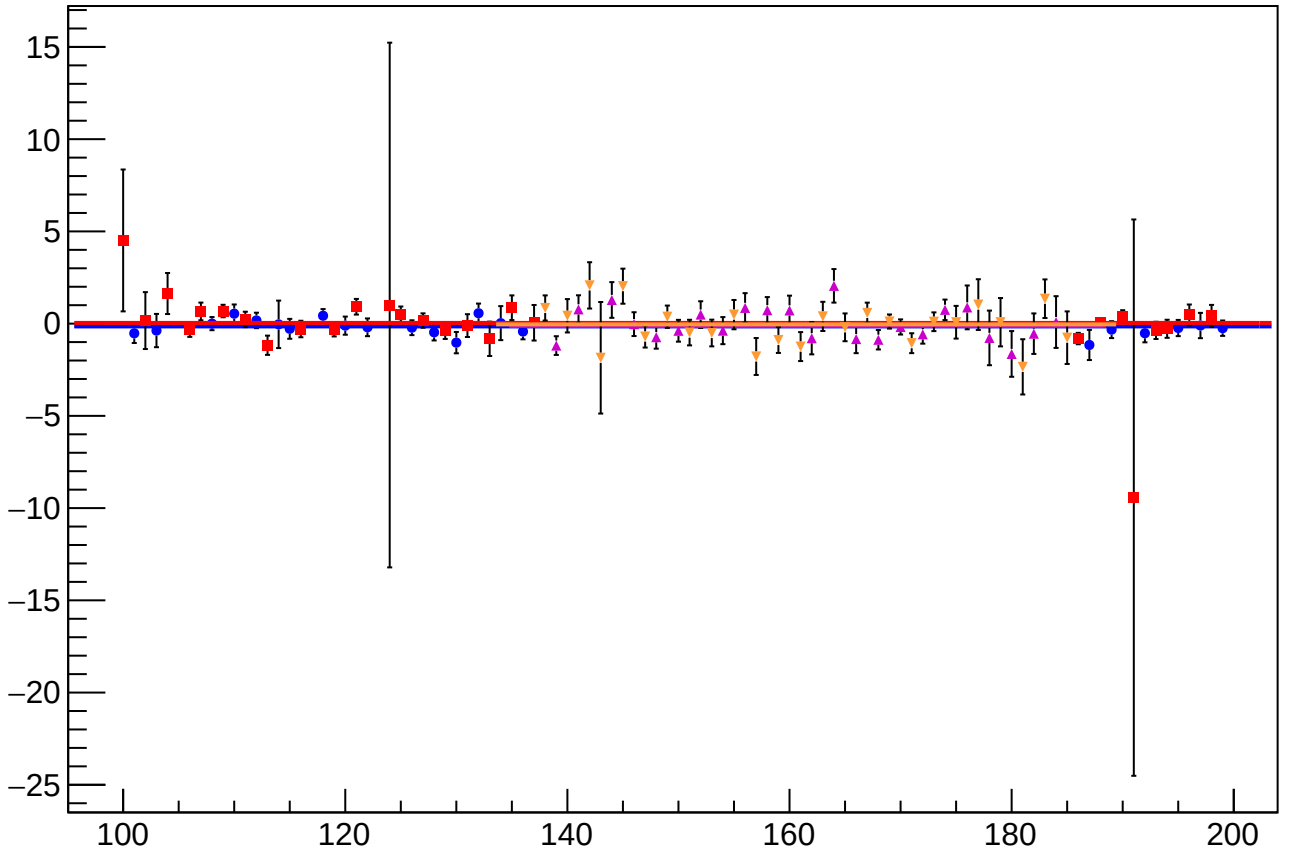
Left: 0.000+/-0.000 χ^2/NDF: 4998299.1/47

Right: 0.000+/-0.000 χ^2/NDF: 7946393.4/48

In: 0.000+/-0.000 χ^2/NDF:6896815.3/44

Out: 0.000+/-0.000 χ^2/NDF:7531604.2/51

All: 0.000+/-0.000 χ^2/NDF: 14432880.2/96



Right In: -0.151+/-0.105 χ^2/NDF: 13.4/21

Left Out: -0.041+/-0.148 χ^2/NDF:30.1/24

Right Out: 0.039+/-0.085 χ^2/NDF: 36.9/26

Left In: -0.128+/-0.145 χ^2/NDF:29.0/22

Left: -0.085+/-0.103 χ^2/NDF: 59.3/47

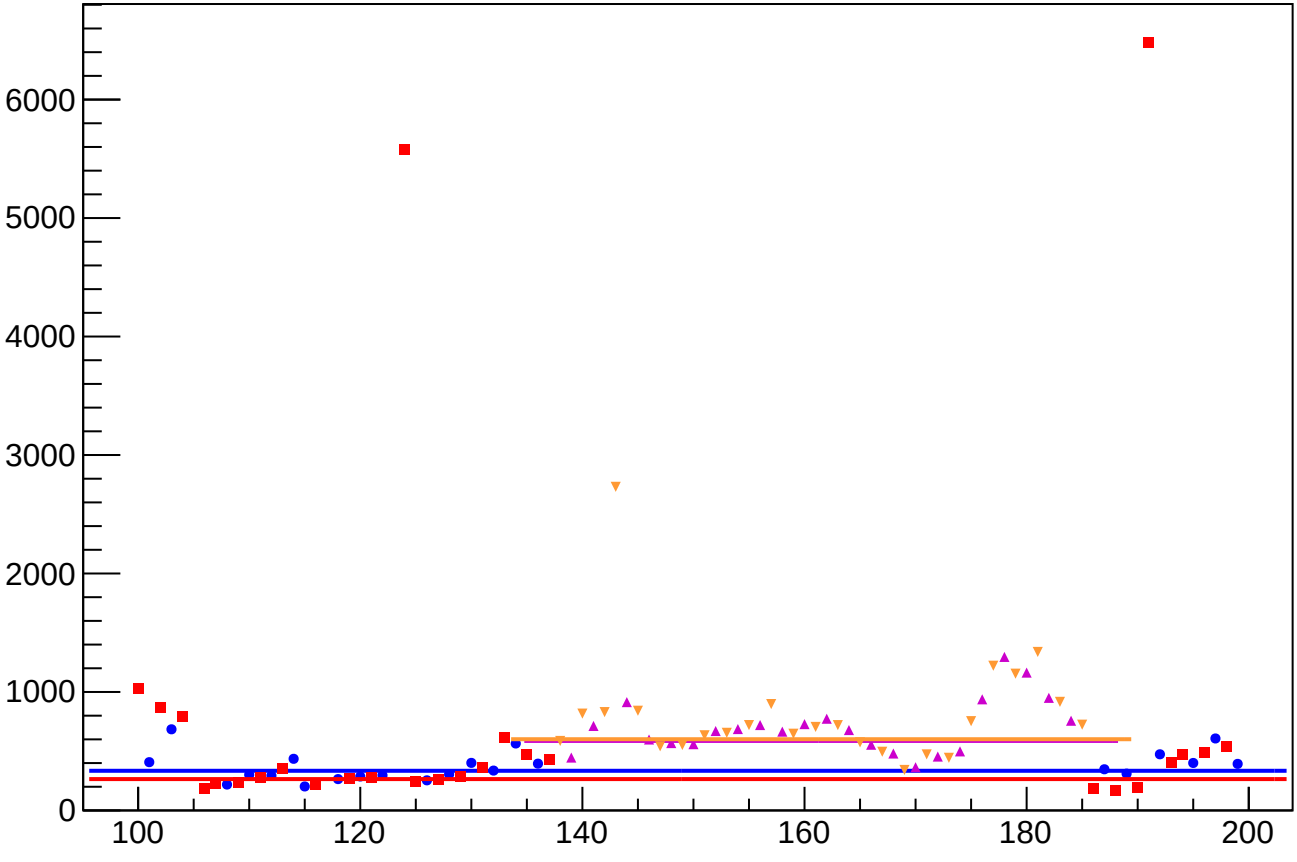
Right: -0.036+/-0.066 χ^2/NDF: 52.3/48

In: -0.143+/-0.085 χ^2/NDF:42.5/44

Out: 0.019+/-0.074 χ^2/NDF:67.3/51

All: -0.051+/-0.056 χ^2/NDF: 111.8/96

asym_at2_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 334.835+/-0.074 χ^2/NDF: 1669178.0/21

Left Out: 601.214+/-0.104 χ^2/NDF:4460456.7/24

Right Out: 264.761+/-0.060 χ^2/NDF: 4323246.4/26

Left In: 586.817+/-0.103 χ^2/NDF:2934488.2/22

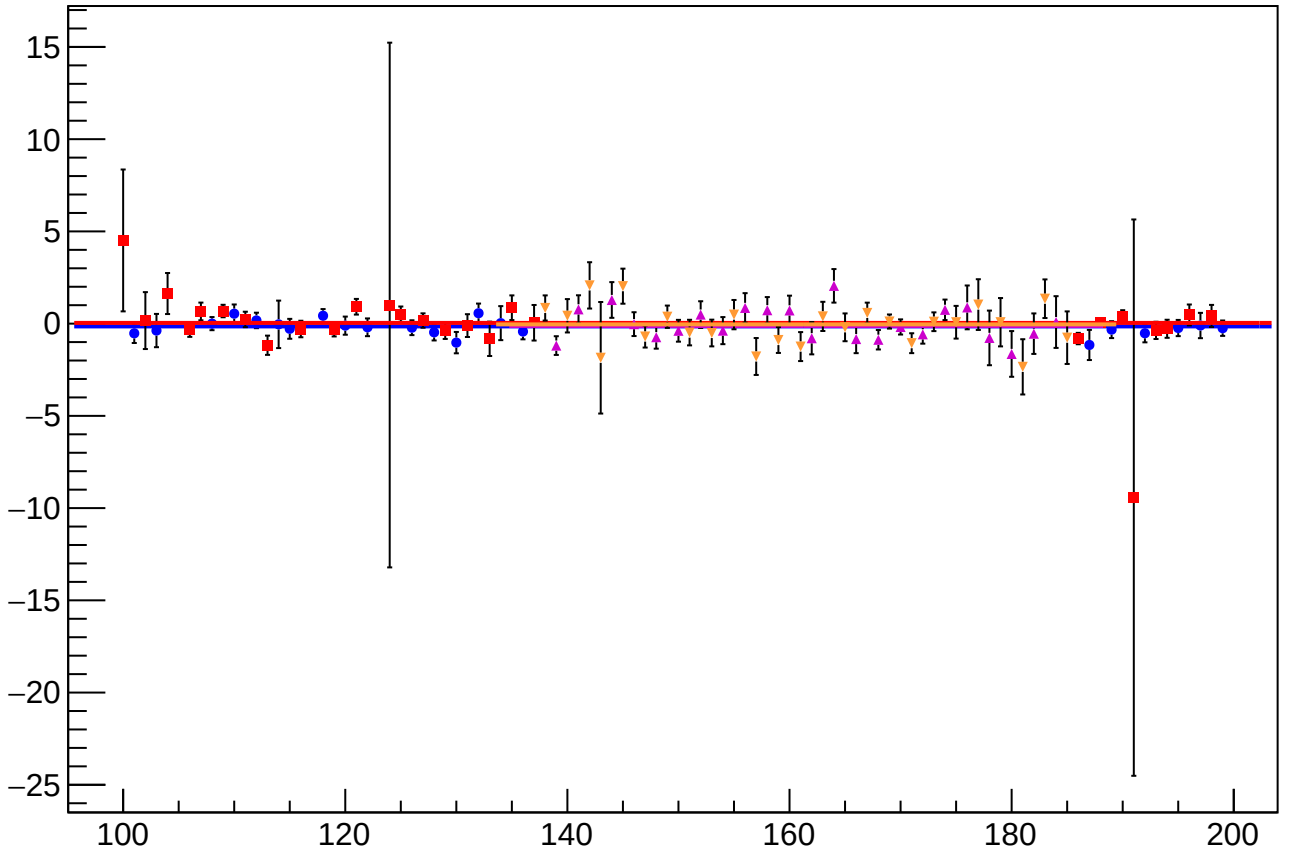
Left: 593.901+/-0.073 χ^2/NDF: 7404620.8/47

Right: 292.698+/-0.047 χ^2/NDF: 6528394.7/48

In: 421.324+/-0.060 χ^2/NDF:8559635.4/44

Out: 349.321+/-0.052 χ^2/NDF:16572834.7/51

All: 380.315+/-0.039 χ^2/NDF: 25948573.5/96



Right In: -0.151+/-0.105 χ^2/NDF: 13.4/21

Left Out: -0.041+/-0.148 χ^2/NDF:30.1/24

Right Out: 0.039+/-0.085 χ^2/NDF: 36.9/26

Left In: -0.128+/-0.145 χ^2/NDF:29.0/22

Left: -0.085+/-0.103 χ^2/NDF: 59.3/47

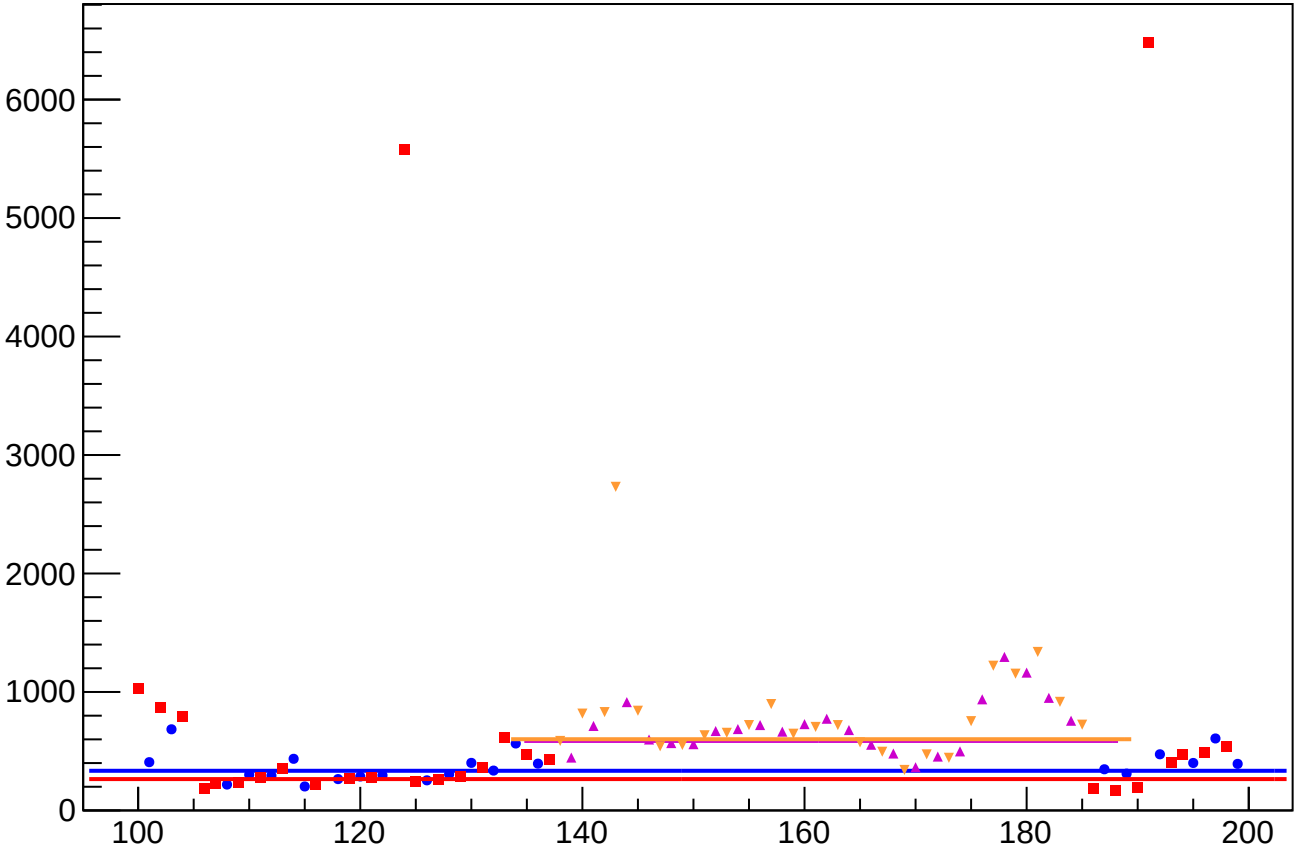
Right: -0.036+/-0.066 χ^2/NDF: 52.3/48

In: -0.143+/-0.085 χ^2/NDF:42.5/44

Out: 0.019+/-0.074 χ^2/NDF:67.3/51

All: -0.051+/-0.056 χ^2/NDF: 111.8/96

asym_at2_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 334.835+/-0.074 χ^2/NDF: 1669178.0/21

Left Out: 601.214+/-0.104 χ^2/NDF:4460456.7/24

Right Out: 264.761+/-0.060 χ^2/NDF: 4323246.4/26

Left In: 586.817+/-0.103 χ^2/NDF:2934488.2/22

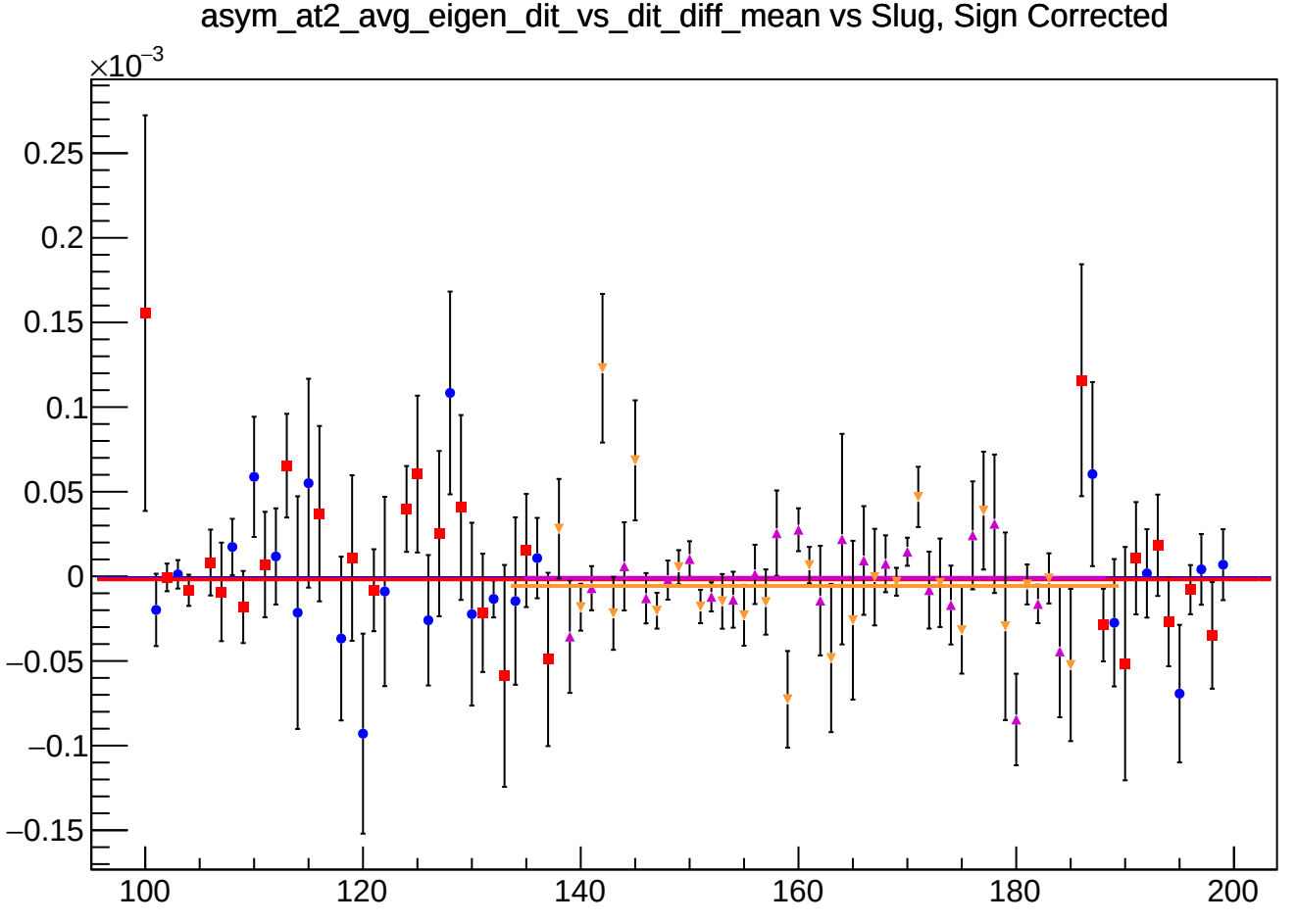
Left: 593.901+/-0.073 χ^2/NDF: 7404620.8/47

Right: 292.698+/-0.047 χ^2/NDF: 6528394.7/48

In: 421.324+/-0.060 χ^2/NDF:8559635.4/44

Out: 349.321+/-0.052 χ^2/NDF:16572834.7/51

All: 380.315+/-0.039 χ^2/NDF: 25948573.5/96



Right In: -0.000+/-0.000 χ^2/NDF: 19.3/21

Left Out: -0.000+/-0.000 χ^2/NDF:42.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 24.2/26

Left In: -0.000+/-0.000 χ^2/NDF:30.2/22

Left: -0.000+/-0.000 χ^2/NDF: 73.9/47

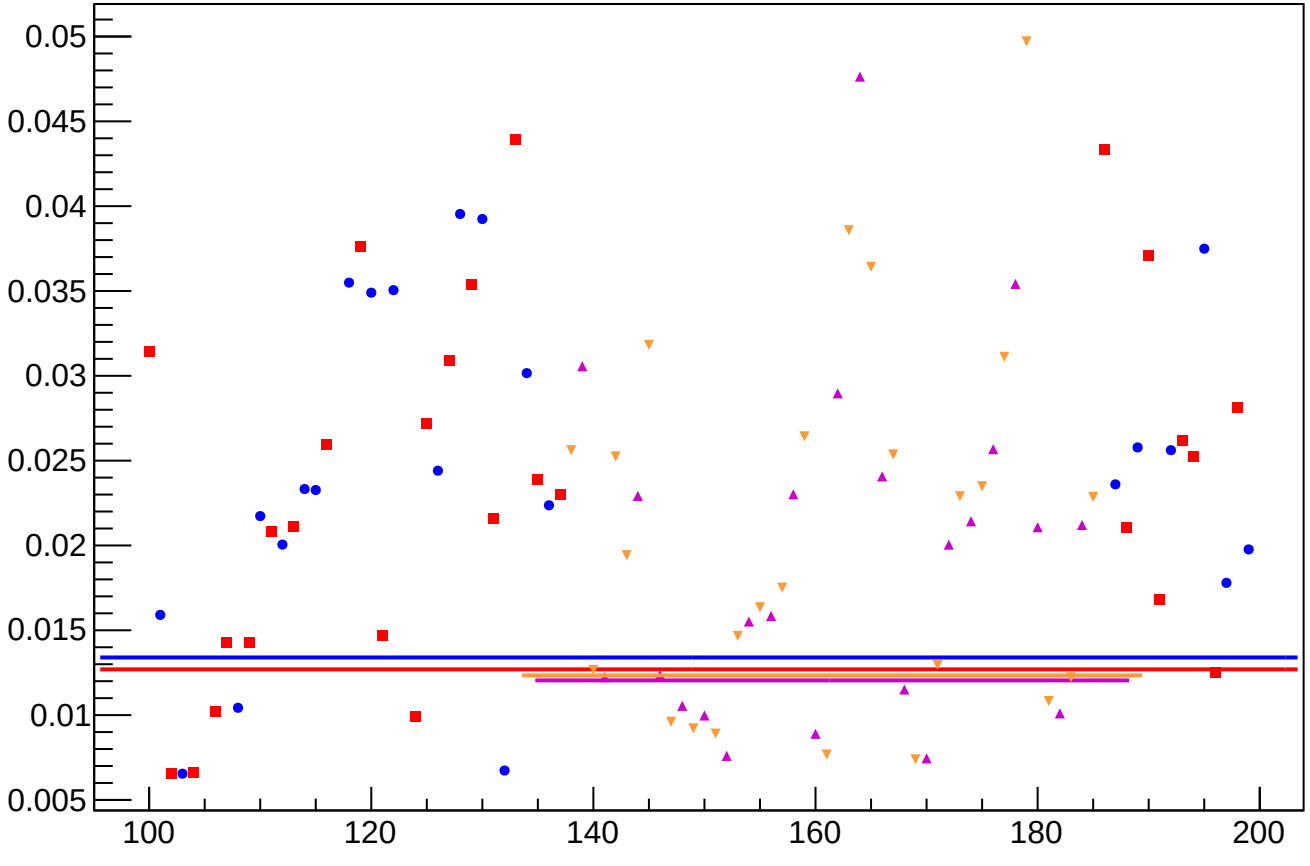
Right: -0.000+/-0.000 χ^2/NDF: 43.6/48

In: -0.000+/-0.000 χ^2/NDF:49.5/44

Out: -0.000+/-0.000 χ^2/NDF:67.4/51

All: -0.000+/-0.000 χ^2/NDF: 117.7/96

asym_at2_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.013+/-0.000 χ^2/NDF: 6673782.6/21

Left Out: 0.012+/-0.000 χ^2/NDF:7839123.8/24

Right Out: 0.013+/-0.000 χ^2/NDF: 7109387.1/26

Left In: 0.012+/-0.000 χ^2/NDF:6379401.9/22

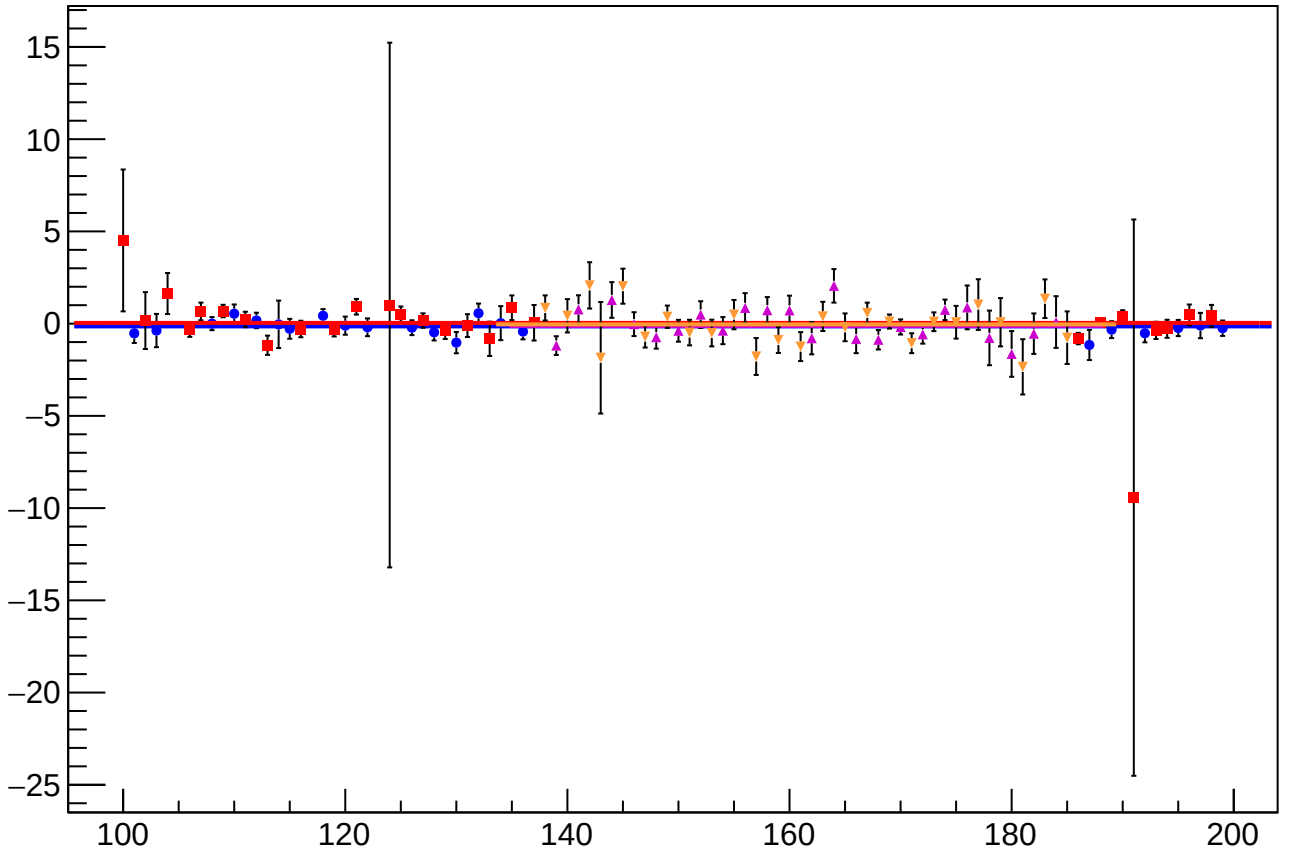
Left: 0.012+/-0.000 χ^2/NDF: 14226676.0/47

Right: 0.013+/-0.000 χ^2/NDF: 13806765.1/48

In: 0.012+/-0.000 χ^2/NDF:13160588.2/44

Out: 0.012+/-0.000 χ^2/NDF:14957283.7/51

All: 0.012+/-0.000 χ^2/NDF: 28117873.2/96



Right In: -0.151+/-0.105 χ^2/NDF: 13.4/21

Left Out: -0.041+/-0.148 χ^2/NDF:30.1/24

Right Out: 0.039+/-0.085 χ^2/NDF: 36.9/26

Left In: -0.128+/-0.145 χ^2/NDF:29.0/22

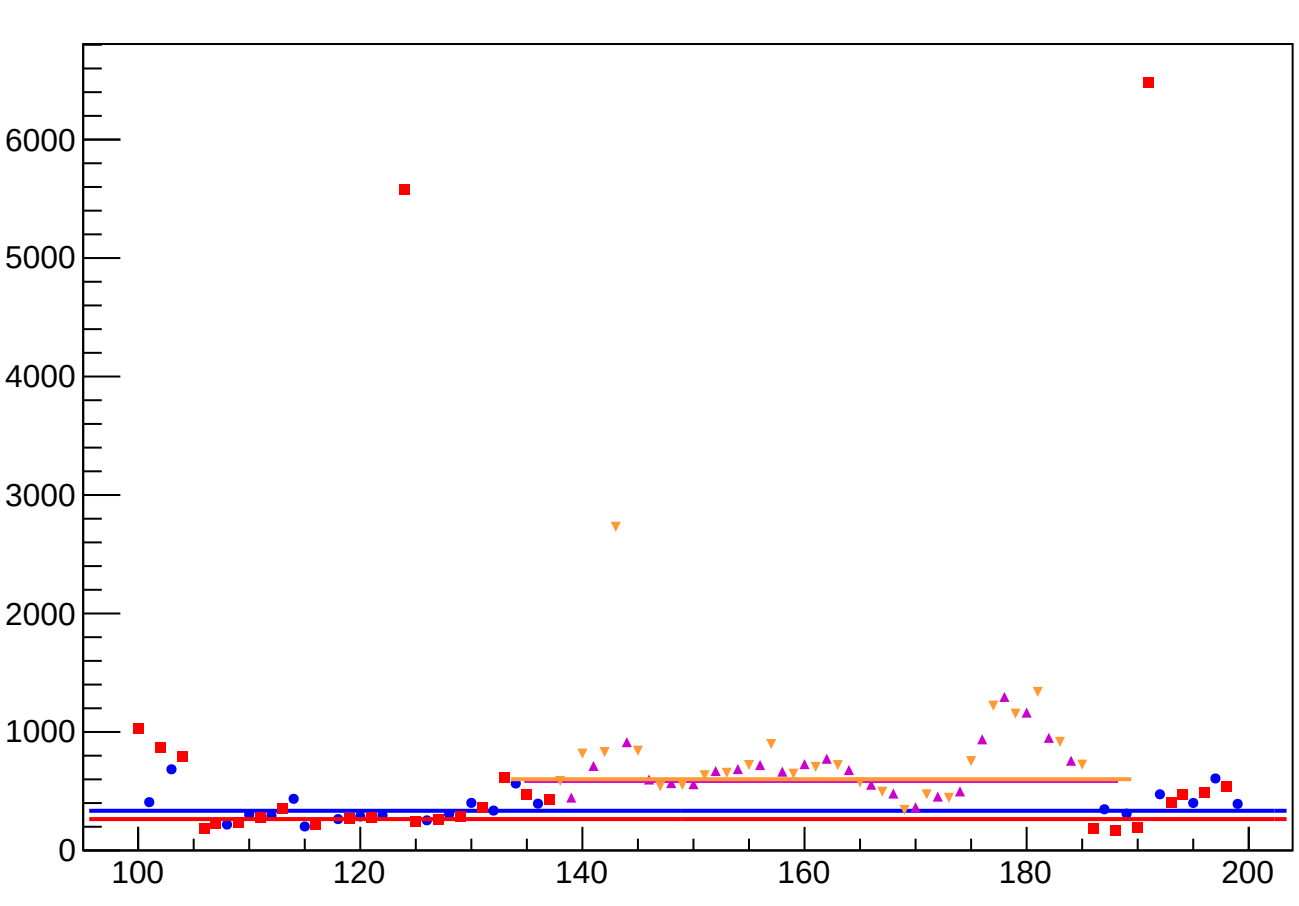
Left: -0.085+/-0.103 χ^2/NDF: 59.3/47

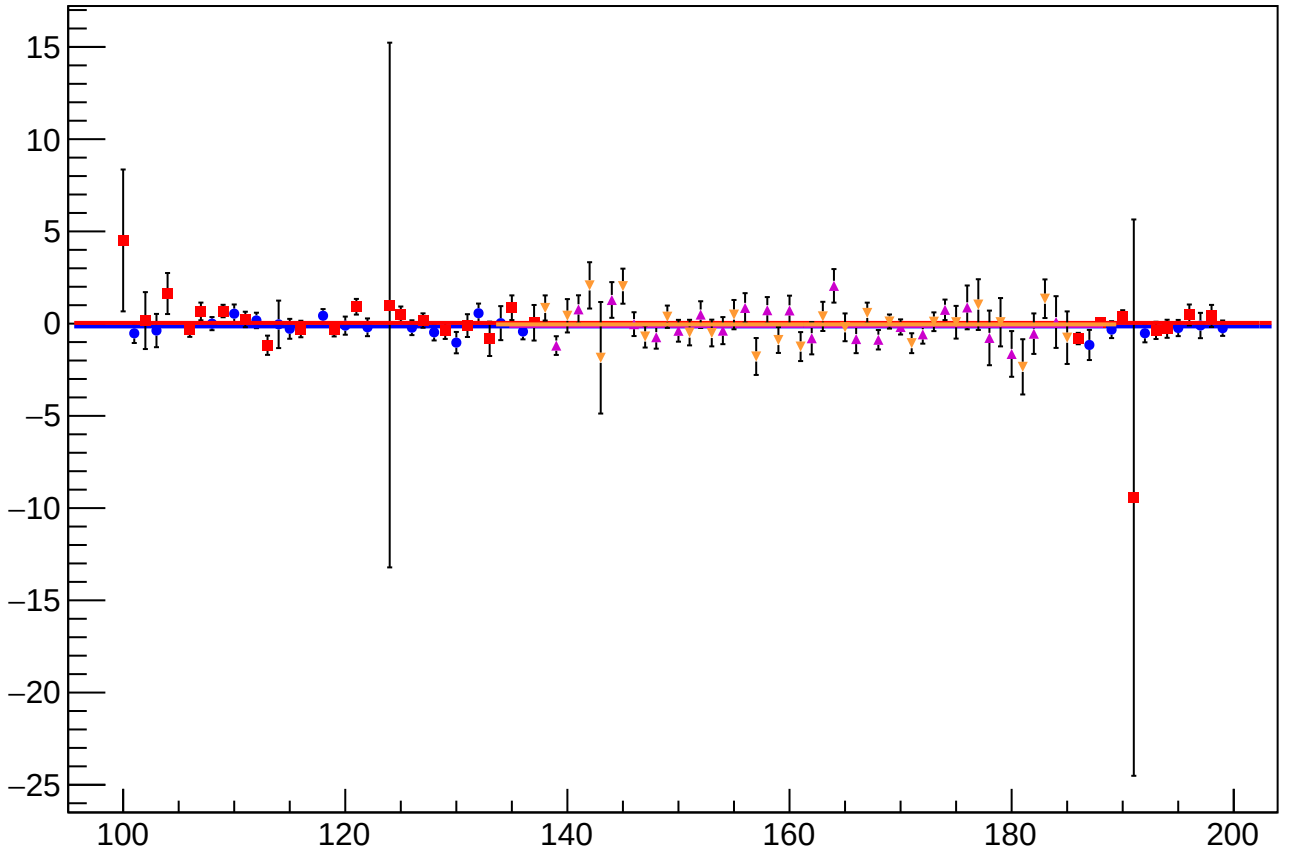
Right: -0.036+/-0.066 χ^2/NDF: 52.3/48

In: -0.143+/-0.085 χ^2/NDF:42.5/44

Out: 0.019+/-0.074 χ^2/NDF:67.3/51

All: -0.051+/-0.056 χ^2/NDF: 111.8/96


asym_at2_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected
6000
5000
4000
3000
2000
1000
0
100
120
140
160
180
200
Right In: 334.834+/-0.074 χ²/NDF: 1669153.8/21
Left Out: 601.214+/-0.104 χ²/NDF:4460662.1/24
Right Out: 264.754+/-0.060 χ²/NDF: 4323489.6/26
Left In: 586.820+/-0.103 χ²/NDF:2934613.3/22
Left: 593.903+/-0.073 χ²/NDF: 7404947.7/47
Right: 292.693+/-0.047 χ²/NDF: 6528711.0/48
In: 421.323+/-0.060 χ²/NDF:8559846.3/44
Out: 349.313+/-0.052 χ²/NDF:16573659.4/51
All: 380.310+/-0.039 χ²/NDF: 25949775.3/96



Right In: -0.151+/-0.105 χ^2/NDF: 13.4/21

Left Out: -0.041+/-0.148 χ^2/NDF:30.1/24

Right Out: 0.039+/-0.085 χ^2/NDF: 36.9/26

Left In: -0.128+/-0.145 χ^2/NDF:29.0/22

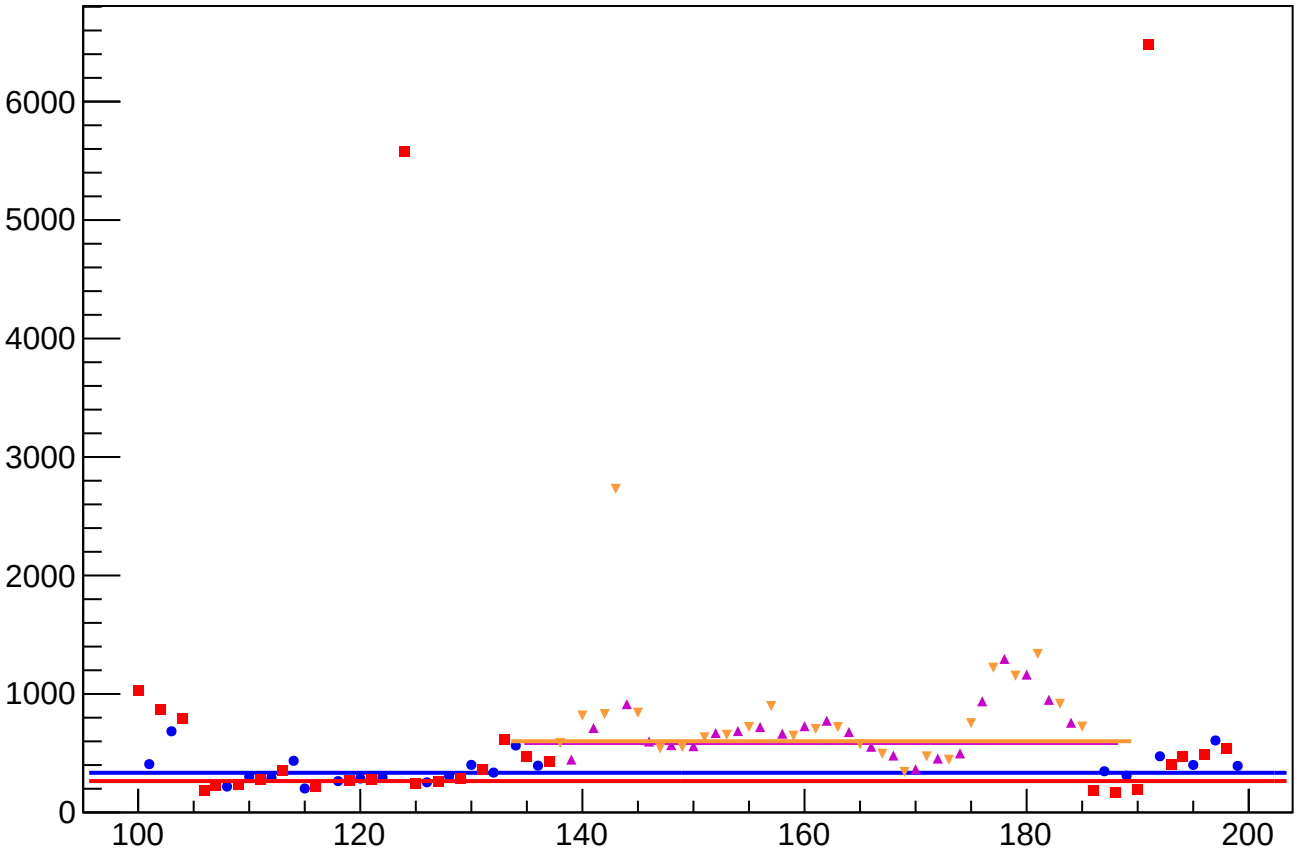
Left: -0.085+/-0.103 χ^2/NDF: 59.3/47

Right: -0.036+/-0.066 χ^2/NDF: 52.3/48

In: -0.143+/-0.085 χ^2/NDF:42.5/44

Out: 0.019+/-0.074 χ^2/NDF:67.3/51

All: -0.051+/-0.056 χ^2/NDF: 111.8/96



Right In: 334.834+/-0.074 χ^2/NDF: 1669153.8/21

Left Out: 601.214+/-0.104 χ^2/NDF:4460662.1/24

Right Out: 264.754+/-0.060 χ^2/NDF: 4323489.6/26

Left In: 586.820+/-0.103 χ^2/NDF:2934613.3/22

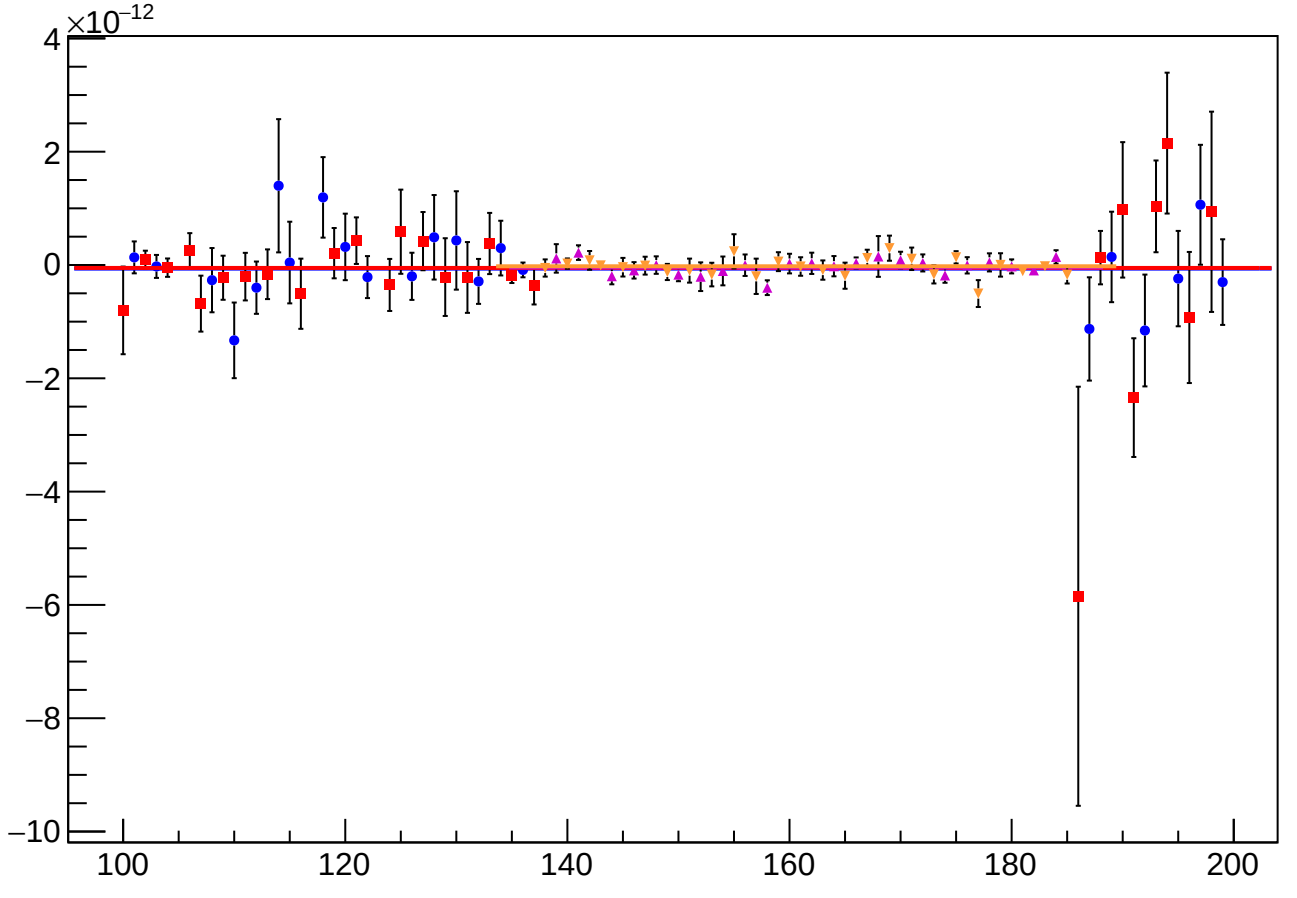
Left: 593.903+/-0.073 χ^2/NDF: 7404947.7/47

Right: 292.693+/-0.047 χ^2/NDF: 6528711.0/48

In: 421.323+/-0.060 χ^2/NDF:8559846.3/44

Out: 349.313+/-0.052 χ^2/NDF:16573659.4/51

All: 380.310+/-0.039 χ^2/NDF: 25949775.3/96



Right In: -0.000+/-0.000 χ^2/NDF: 15.9/21

Left Out: -0.000+/-0.000 χ^2/NDF:16.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 25.4/26

Left In: -0.000+/-0.000 χ^2/NDF:22.0/22

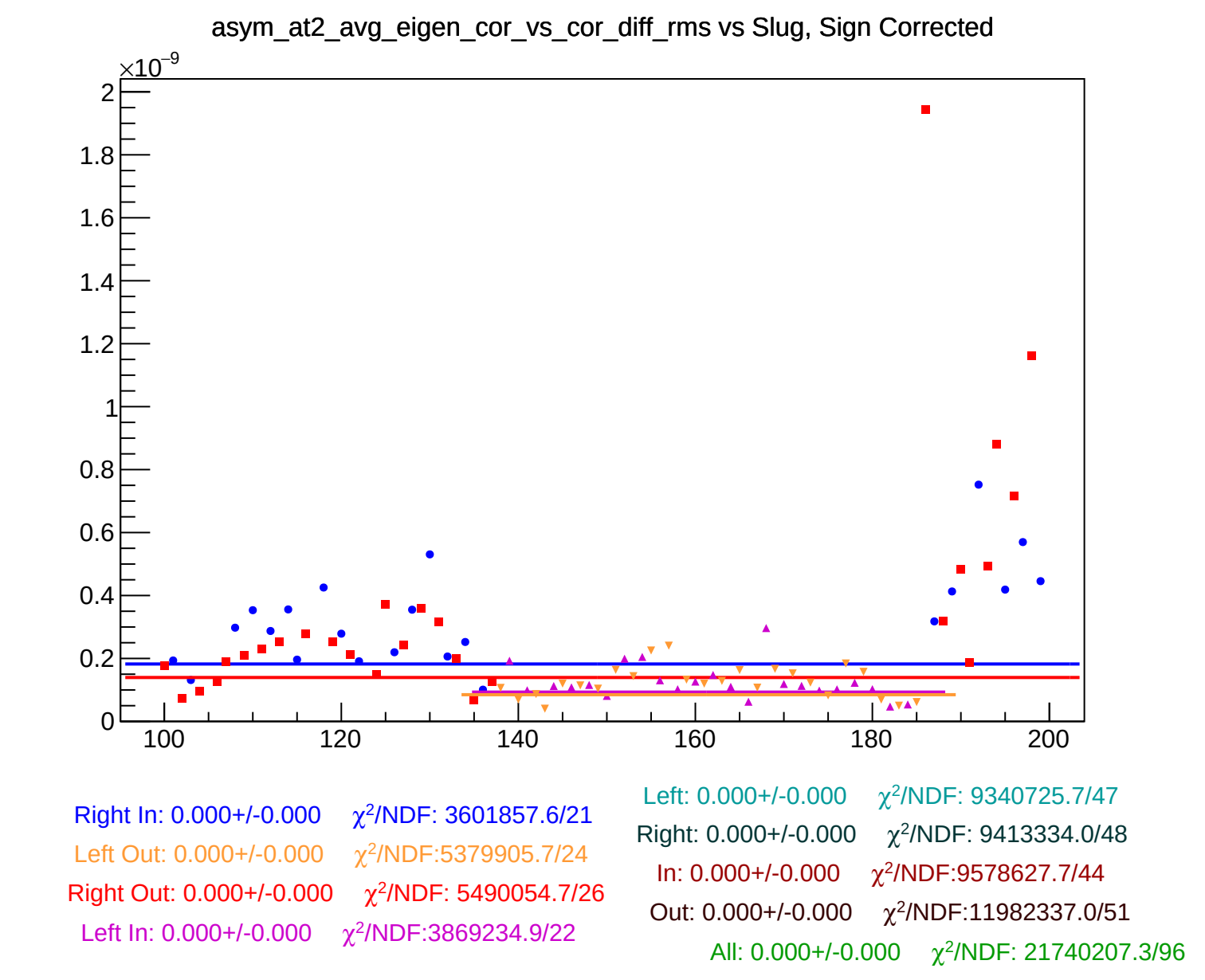
Left: -0.000+/-0.000 χ^2/NDF: 38.7/47

Right: -0.000+/-0.000 χ^2/NDF: 41.3/48

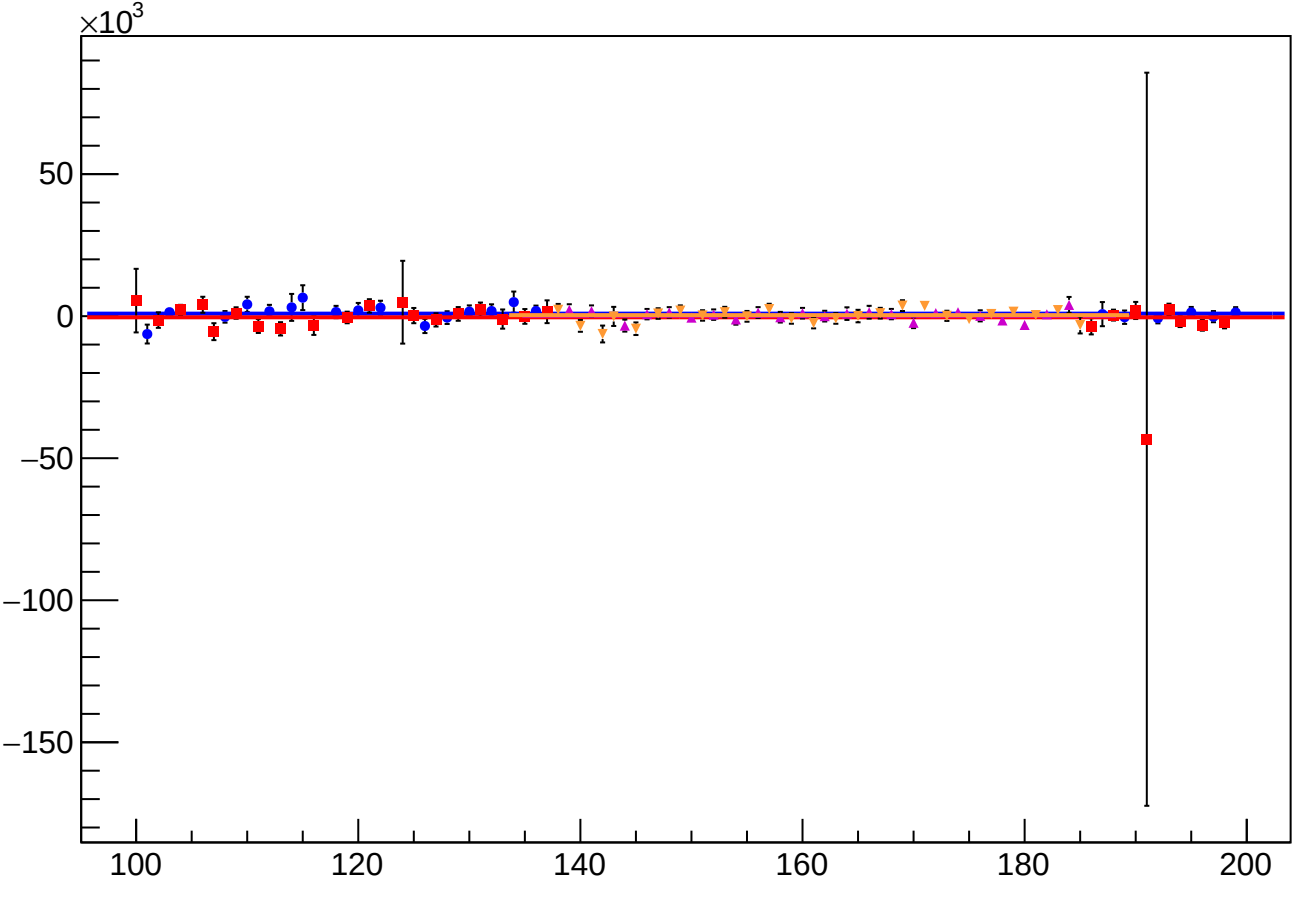
In: -0.000+/-0.000 χ^2/NDF:37.9/44

Out: -0.000+/-0.000 χ^2/NDF:41.9/51

All: -0.000+/-0.000 χ^2/NDF: 80.2/96


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: 3601857.6/21
Left Out: 0.000+/-0.000 χ²/NDF:5379905.7/24
Right Out: 0.000+/-0.000 χ²/NDF: 5490054.7/26
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: 9413334.0/48
In: 0.000+/-0.000 χ²/NDF:9578627.7/44
Out: 0.000+/-0.000 χ²/NDF:11982337.0/51
All: 0.000+/-0.000 χ²/NDF: 21740207.3/96

reg_asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 889.385+/-497.383 χ^2/NDF: 16.1/21

Left Out: 361.645+/-388.131 χ^2/NDF:29.6/24

Right Out: -404.196+/-482.382 χ^2/NDF: 26.2/26

Left In: 157.028+/-394.257 χ^2/NDF:16.0/22

Left: 260.939+/-276.591 χ^2/NDF: 45.7/47

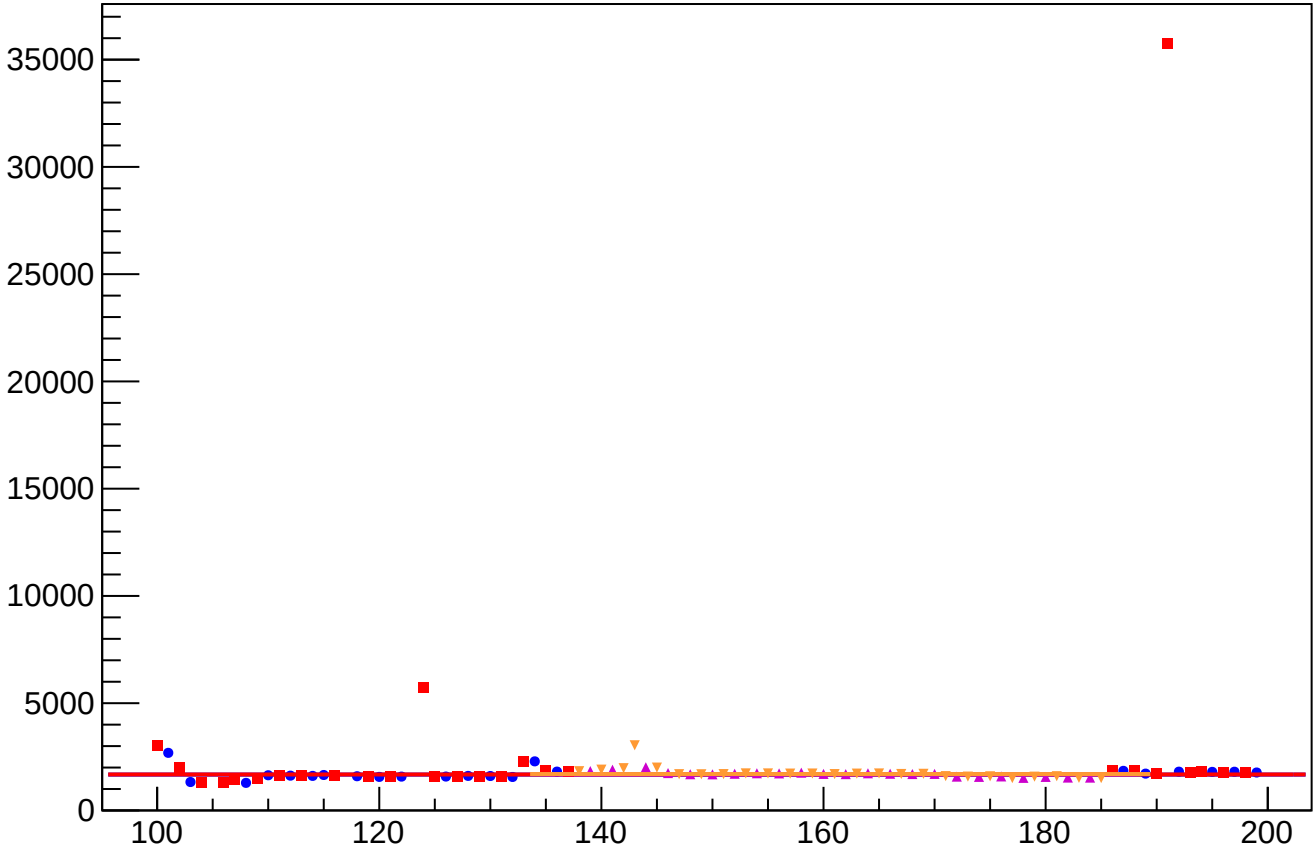
Right: 222.793+/-346.277 χ^2/NDF: 45.7/48

In: 439.622+/-308.966 χ^2/NDF:33.4/44

Out: 60.681+/-302.398 χ^2/NDF:57.3/51

All: 246.081+/-216.112 χ^2/NDF: 91.5/96

reg_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1671.277+/-0.352 χ^2/NDF: 461155.5/21

Left Out: 1697.496+/-0.274 χ^2/NDF:495397.9/24

Right Out: 1677.417+/-0.341 χ^2/NDF: 660694.9/26

Left In: 1684.577+/-0.279 χ^2/NDF:165355.7/22

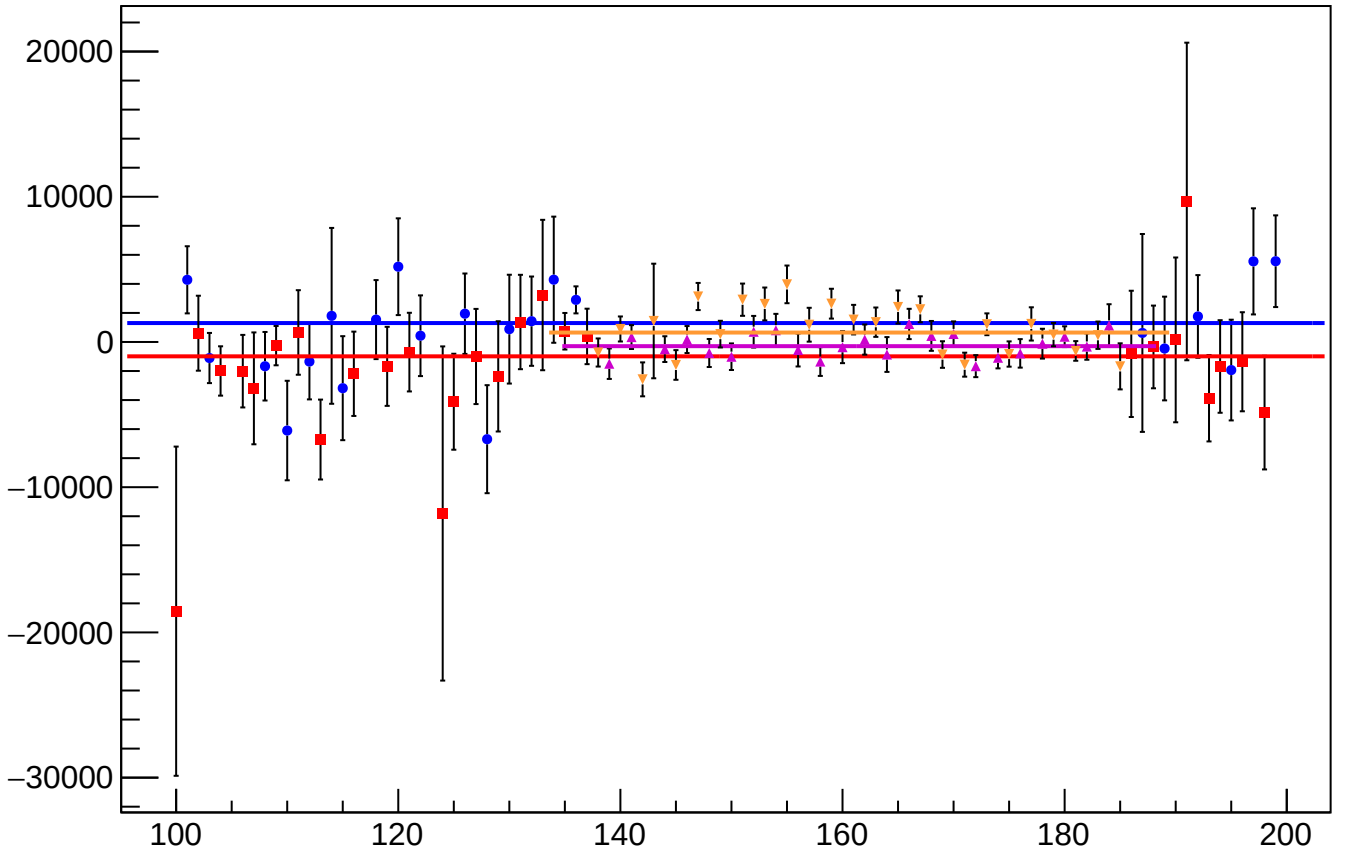
Left: 1691.137+/-0.196 χ^2/NDF: 661844.1/47

Right: 1674.441+/-0.245 χ^2/NDF: 1122007.4/48

In: 1679.445+/-0.218 χ^2/NDF:627389.4/44

Out: 1689.605+/-0.214 χ^2/NDF:1158196.2/51

All: 1684.634+/-0.153 χ^2/NDF: 1786690.1/96



Right In: 1302.938+/-537.291 χ^2/NDF: 26.4/21

Left Out: 649.165+/-195.671 χ^2/NDF:65.5/24

Right Out: -988.909+/-513.227 χ^2/NDF: 17.4/26

Left In: -288.616+/-198.494 χ^2/NDF:16.6/22

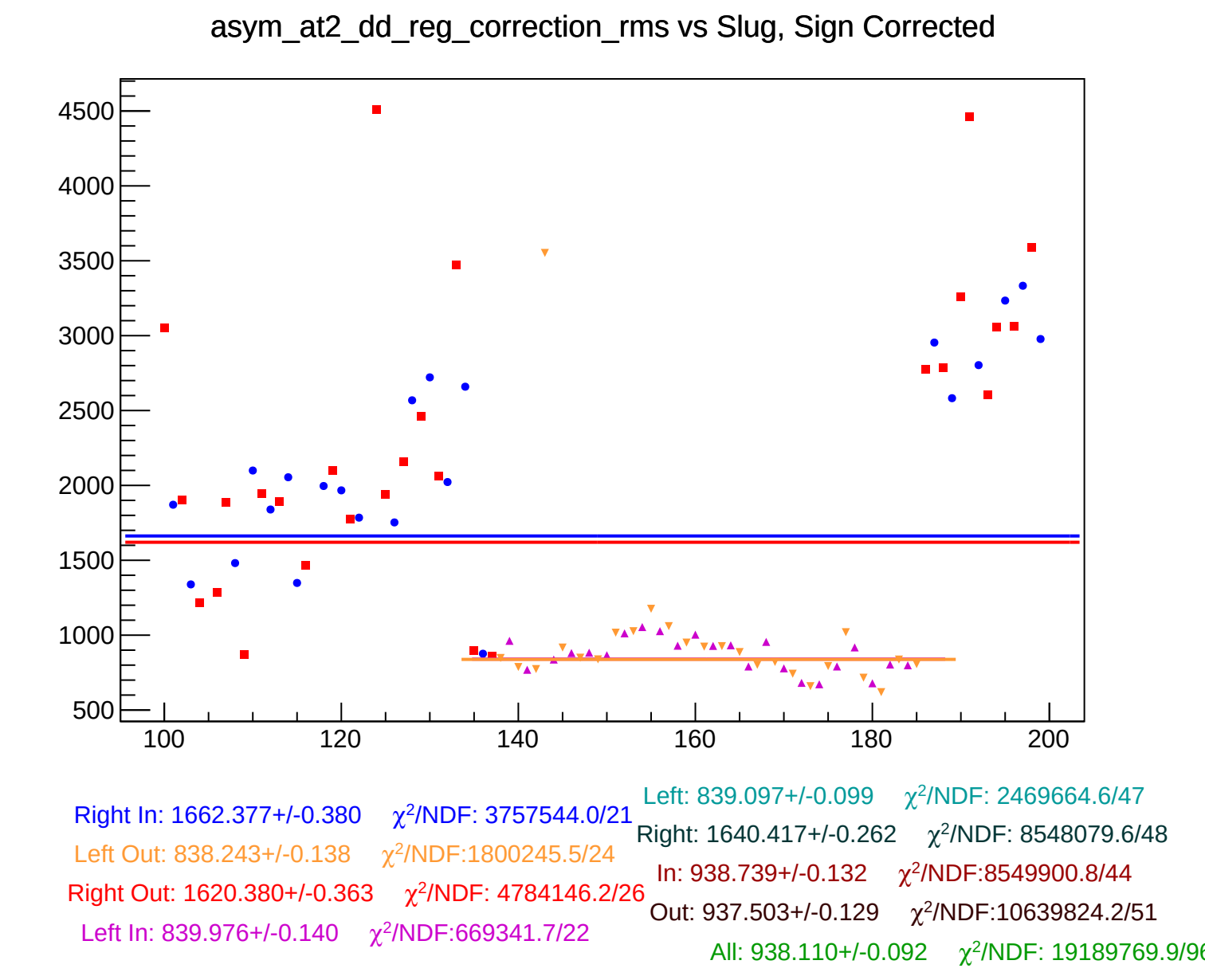
Left: 186.992+/-139.348 χ^2/NDF: 93.4/47

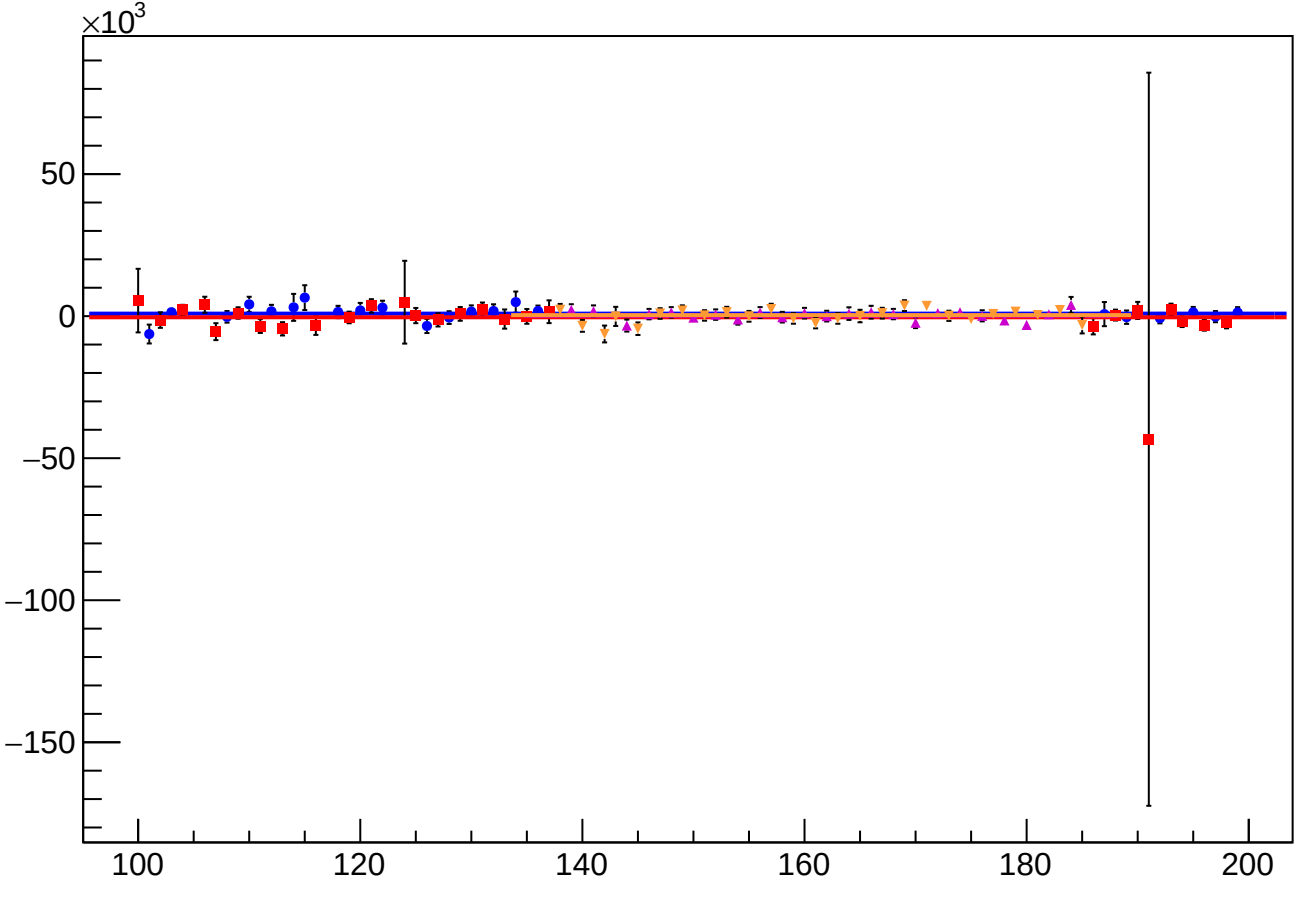
Right: 104.541+/-371.122 χ^2/NDF: 53.2/48

In: -97.483+/-186.194 χ^2/NDF:50.6/44

Out: 441.279+/-182.833 χ^2/NDF:91.8/51

All: 176.804+/-130.455 χ^2/NDF: 146.7/96


asym_at2_dd_reg_correction_rms vs Slug, Sign Corrected
4500
4000
3500
3000
2500
2000
1500
1000
500
100
120
140
160
180
200
Right In: 1662.377+/-0.380 χ²/NDF: 3757544.0/21
Left Out: 838.243+/-0.138 χ²/NDF:1800245.5/24
Right Out: 1620.380+/-0.363 χ²/NDF: 4784146.2/26
Left In: 839.976+/-0.140 χ²/NDF:669341.7/22
Left: 839.097+/-0.099 χ²/NDF: 2469664.6/47
Right: 1640.417+/-0.262 χ²/NDF: 8548079.6/48
In: 938.739+/-0.132 χ²/NDF:8549900.8/44
Out: 937.503+/-0.129 χ²/NDF:10639824.2/51
All: 938.110+/-0.092 χ²/NDF: 19189769.9/96



Right In: 889.371+/-497.383 χ^2/NDF: 16.1/21

Left Out: 361.560+/-388.131 χ^2/NDF:29.6/24

Right Out: -404.407+/-482.382 χ^2/NDF: 26.2/26

Left In: 156.934+/-394.258 χ^2/NDF:16.0/22

Left: 260.849+/-276.591 χ^2/NDF: 45.7/47

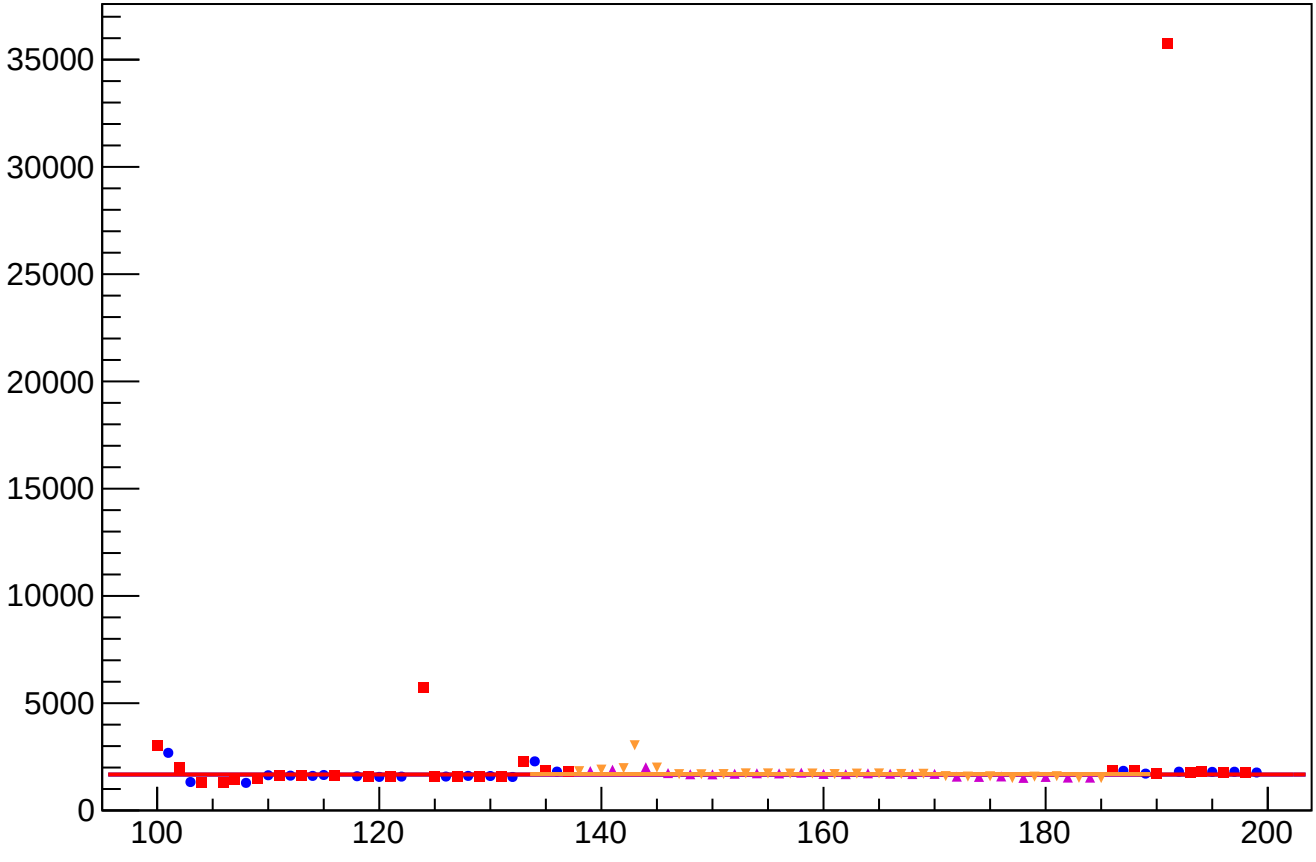
Right: 222.677+/-346.277 χ^2/NDF: 45.7/48

In: 439.559+/-308.966 χ^2/NDF:33.4/44

Out: 60.547+/-302.398 χ^2/NDF:57.3/51

All: 245.981+/-216.112 χ^2/NDF: 91.5/96

cor_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1671.277+/-0.352 χ^2/NDF: 461155.8/21

Left Out: 1697.496+/-0.274 χ^2/NDF:495397.9/24

Right Out: 1677.417+/-0.341 χ^2/NDF: 660695.0/26

Left In: 1684.577+/-0.279 χ^2/NDF:165355.7/22

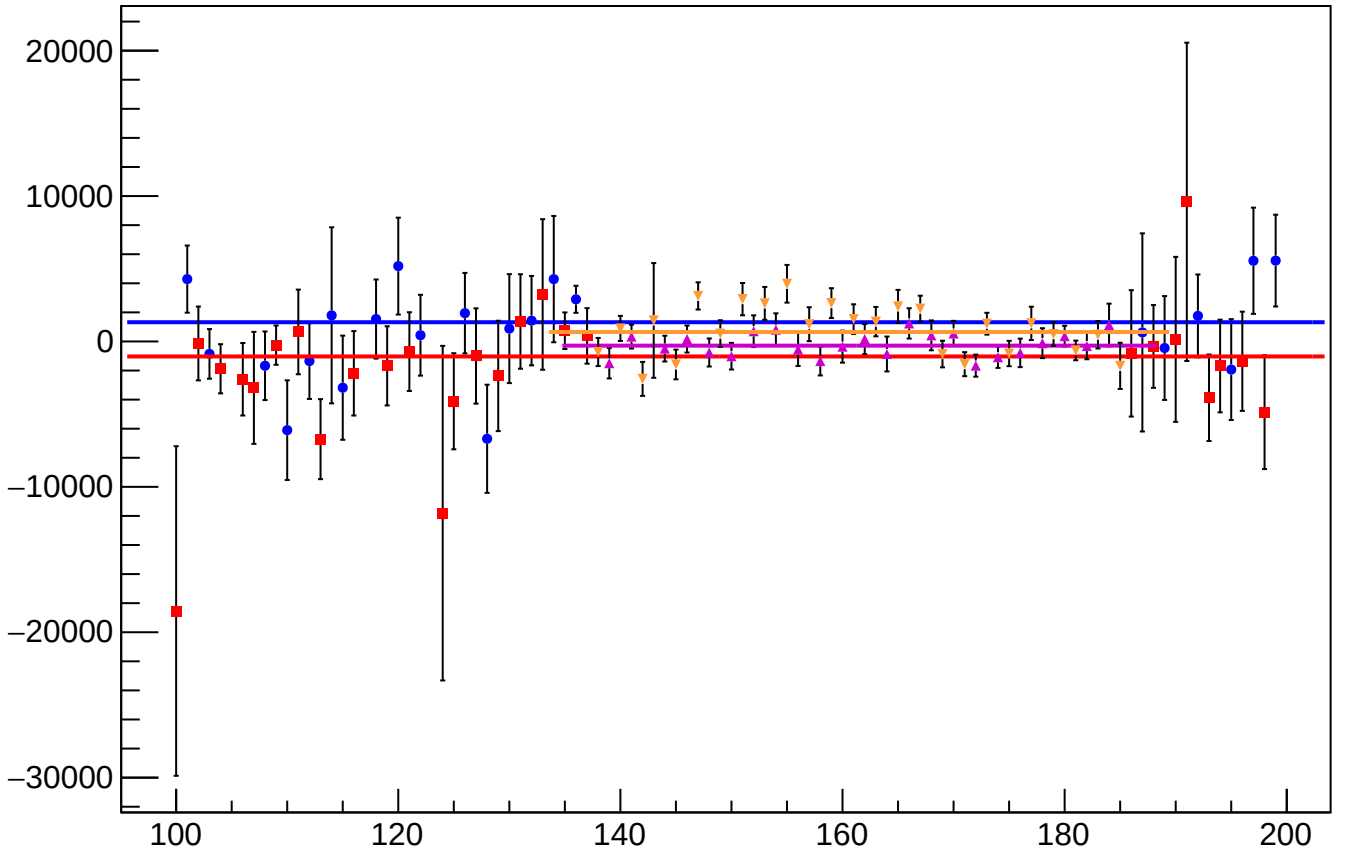
Left: 1691.137+/-0.196 χ^2/NDF: 661844.0/47

Right: 1674.441+/-0.245 χ^2/NDF: 1122007.8/48

In: 1679.445+/-0.218 χ^2/NDF:627389.7/44

Out: 1689.605+/-0.214 χ^2/NDF:1158196.3/51

All: 1684.634+/-0.153 χ^2/NDF: 1786690.5/96



Right In: 1322.324+/-536.635 χ^2/NDF: 26.0/21

Left Out: 649.165+/-195.673 χ^2/NDF:65.5/24

Right Out: -1032.539+/-512.625 χ^2/NDF: 17.2/26

Left In: -288.602+/-198.495 χ^2/NDF:16.6/22

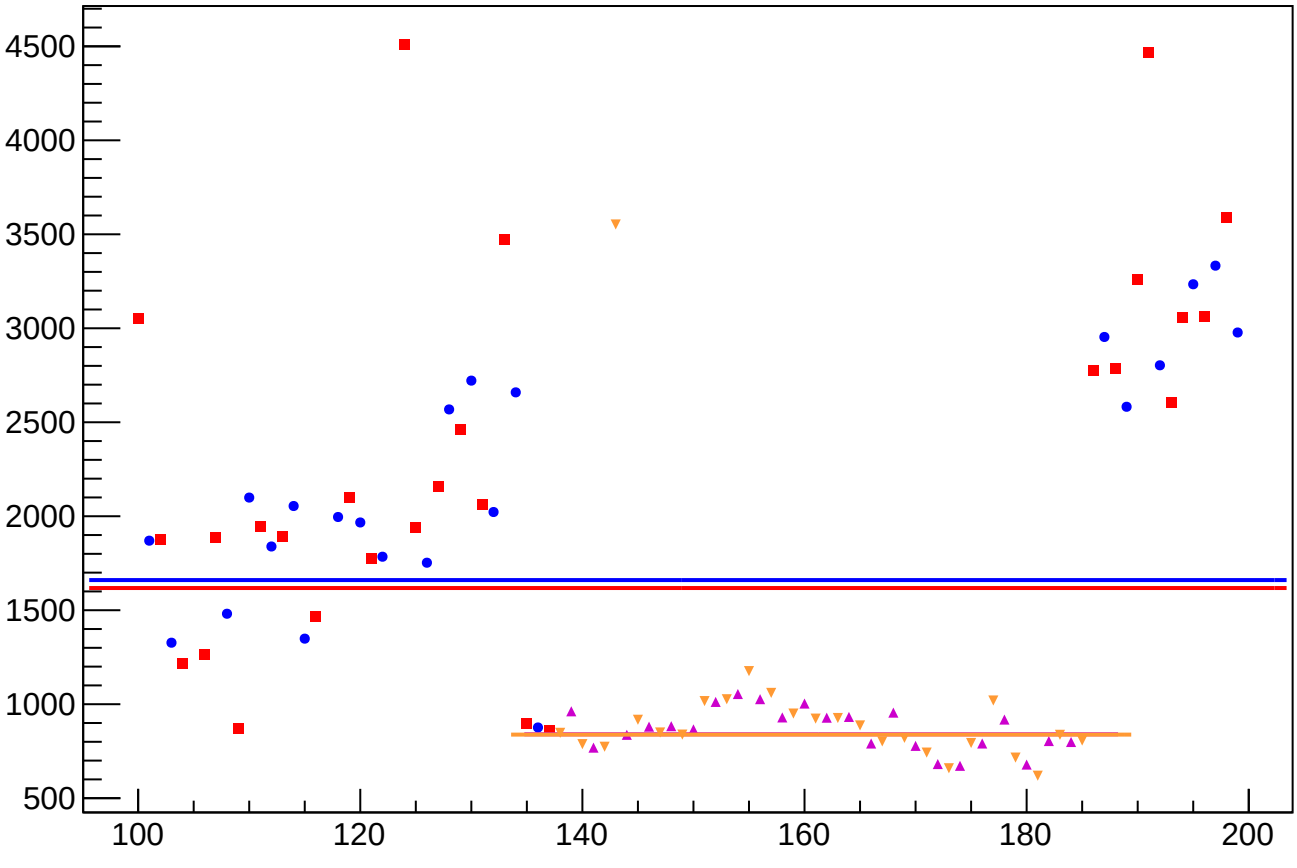
Left: 186.994+/-139.349 χ^2/NDF: 93.4/47

Right: 91.036+/-370.678 χ^2/NDF: 53.3/48

In: -94.725+/-186.167 χ^2/NDF:50.5/44

Out: 435.299+/-182.808 χ^2/NDF:92.2/51

All: 175.112+/-130.436 χ^2/NDF: 146.8/96



Right In: 1660.404+/-0.379 χ^2/NDF: 3764388.6/21

Left Out: 838.254+/-0.138 χ^2/NDF:1800138.0/24

Right Out: 1618.083+/-0.362 χ^2/NDF: 4787474.5/26

Left In: 839.978+/-0.140 χ^2/NDF:669338.3/22

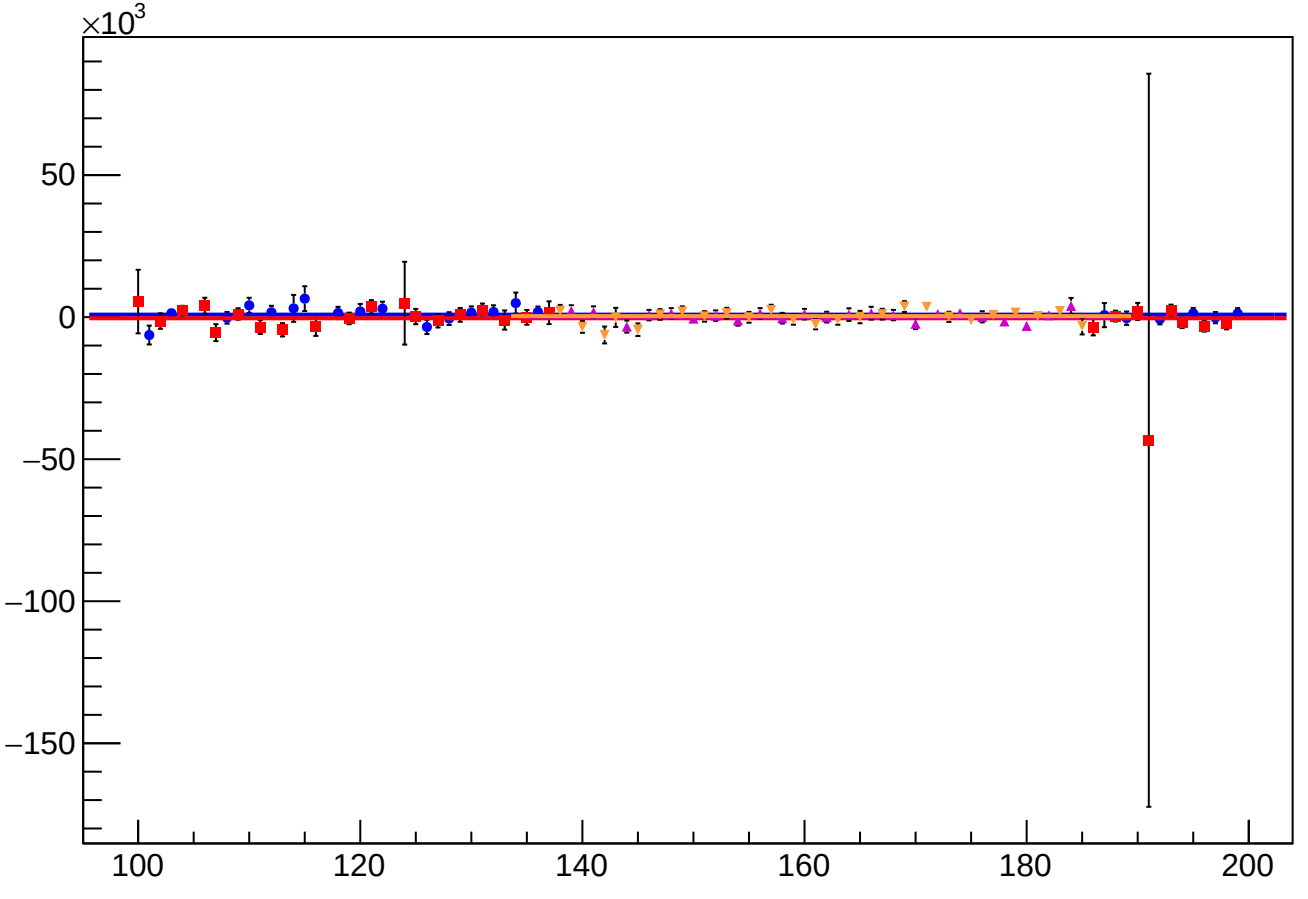
Left: 839.104+/-0.099 χ^2/NDF: 2469552.9/47

Right: 1638.275+/-0.262 χ^2/NDF: 8558367.1/48

In: 938.717+/-0.132 χ^2/NDF:8545800.3/44

Out: 937.426+/-0.129 χ^2/NDF:10627394.0/51

All: 938.060+/-0.092 χ^2/NDF: 19173243.3/96



Right In: 889.371+/-497.383 χ^2/NDF: 16.1/21

Left Out: 361.560+/-388.131 χ^2/NDF:29.6/24

Right Out: -404.407+/-482.382 χ^2/NDF: 26.2/26

Left In: 156.934+/-394.258 χ^2/NDF:16.0/22

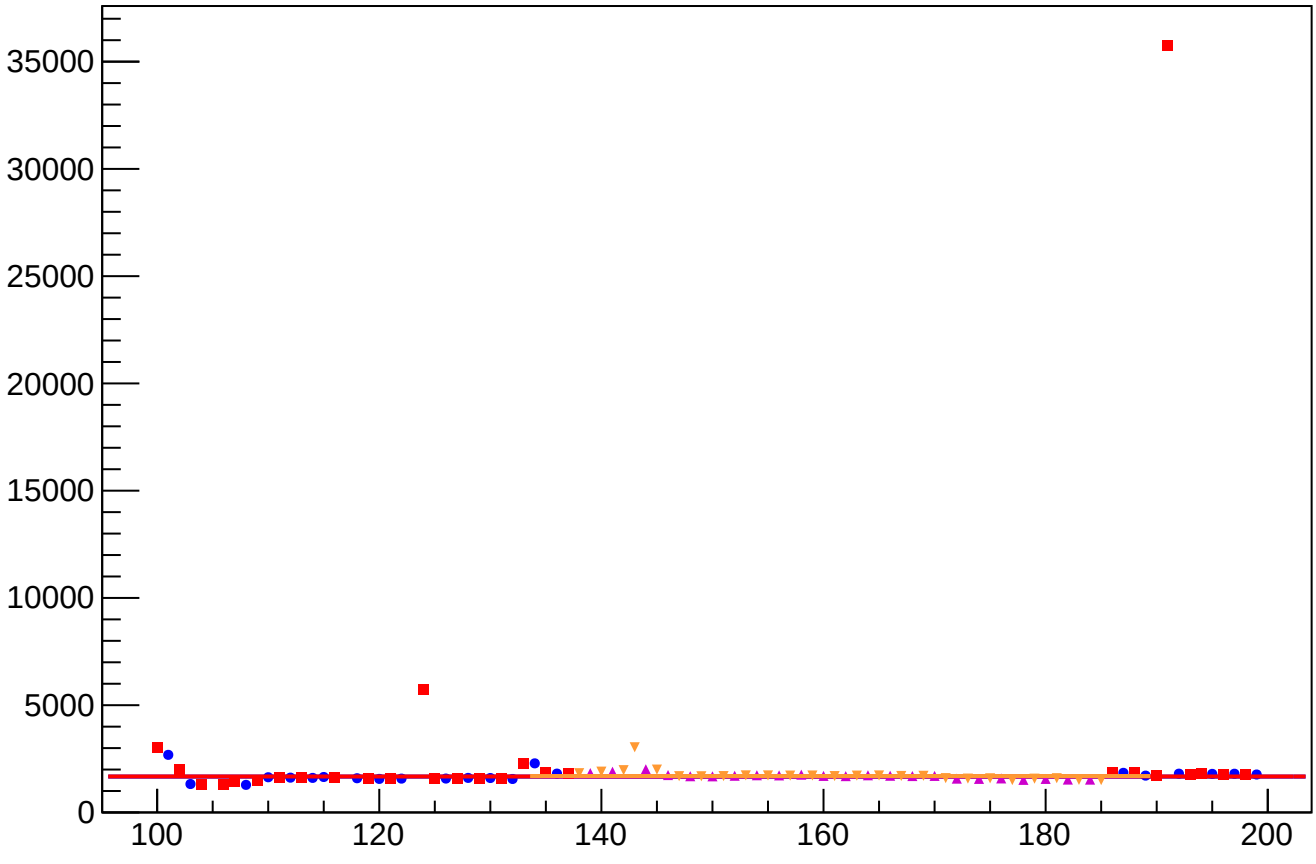
Left: 260.849+/-276.591 χ^2/NDF: 45.7/47

Right: 222.677+/-346.277 χ^2/NDF: 45.7/48

In: 439.559+/-308.966 χ^2/NDF:33.4/44

Out: 60.547+/-302.398 χ^2/NDF:57.3/51

All: 245.981+/-216.112 χ^2/NDF: 91.5/96



Right In: 1671.277+/-0.352 χ^2/NDF: 461155.8/21

Left Out: 1697.496+/-0.274 χ^2/NDF:495397.9/24

Right Out: 1677.417+/-0.341 χ^2/NDF: 660695.0/26

Left In: 1684.577+/-0.279 χ^2/NDF:165355.7/22

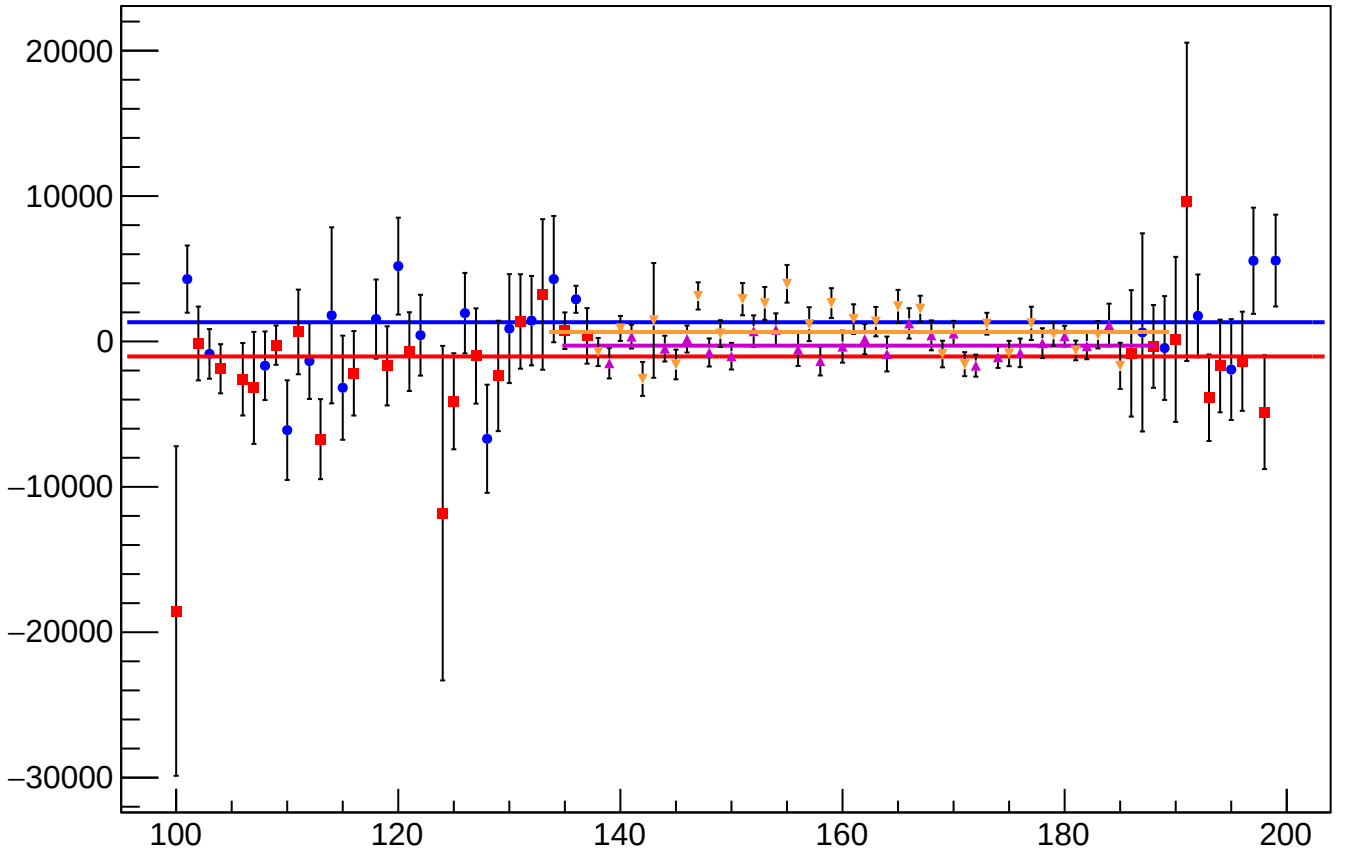
Left: 1691.137+/-0.196 χ^2/NDF: 661844.0/47

Right: 1674.441+/-0.245 χ^2/NDF: 1122007.8/48

In: 1679.445+/-0.218 χ^2/NDF:627389.7/44

Out: 1689.605+/-0.214 χ^2/NDF:1158196.3/51

All: 1684.634+/-0.153 χ^2/NDF: 1786690.5/96



Right In: 1322.324+/-536.635 χ^2/NDF: 26.0/21

Left Out: 649.165+/-195.673 χ^2/NDF:65.5/24

Right Out: -1032.539+/-512.625 χ^2/NDF: 17.2/26

Left In: -288.602+/-198.495 χ^2/NDF:16.6/22

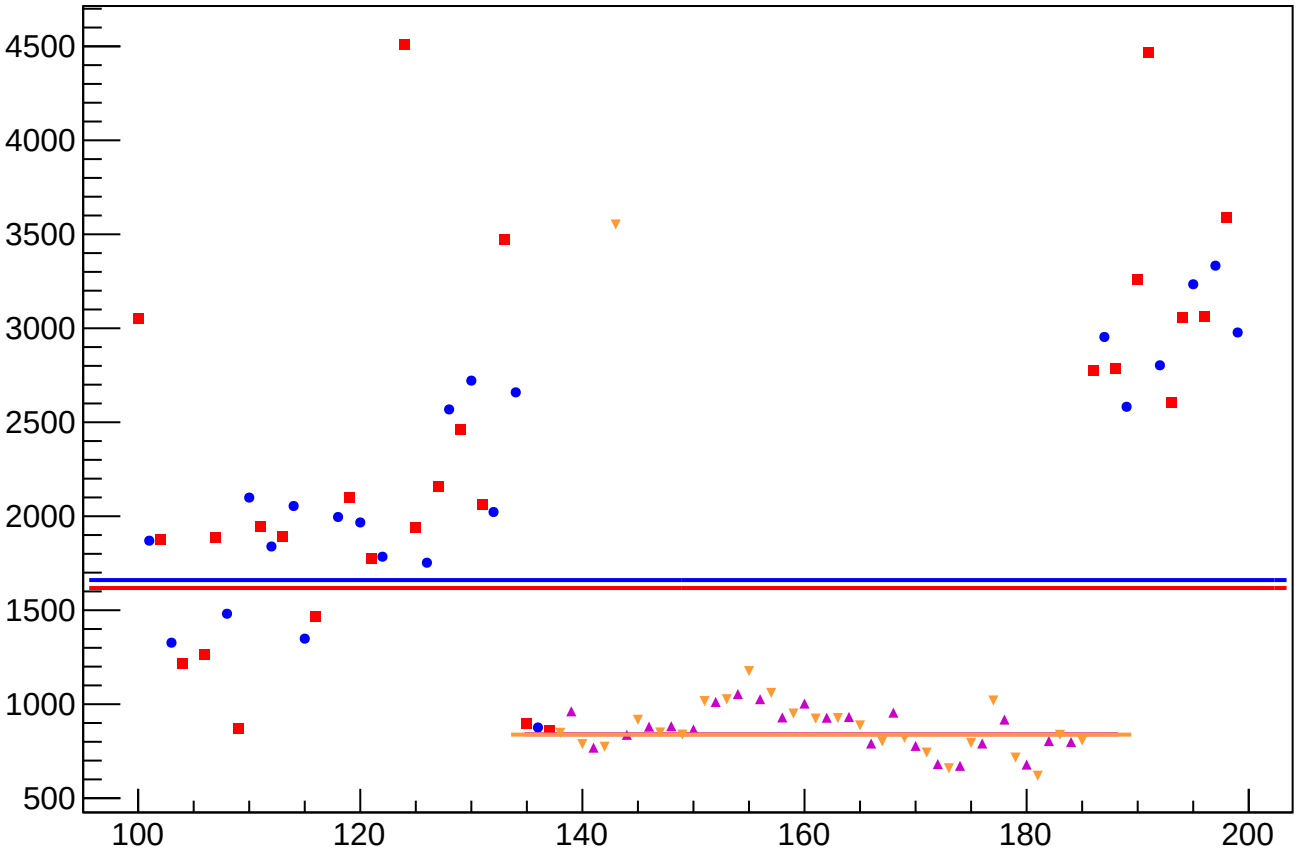
Left: 186.994+/-139.349 χ^2/NDF: 93.4/47

Right: 91.036+/-370.678 χ^2/NDF: 53.3/48

In: -94.725+/-186.167 χ^2/NDF:50.5/44

Out: 435.299+/-182.808 χ^2/NDF:92.2/51

All: 175.112+/-130.436 χ^2/NDF: 146.8/96



Right In: 1660.404+/-0.379 χ^2/NDF: 3764388.6/21

Left Out: 838.254+/-0.138 χ^2/NDF:1800138.0/24

Right Out: 1618.083+/-0.362 χ^2/NDF: 4787474.5/26

Left In: 839.978+/-0.140 χ^2/NDF:669338.3/22

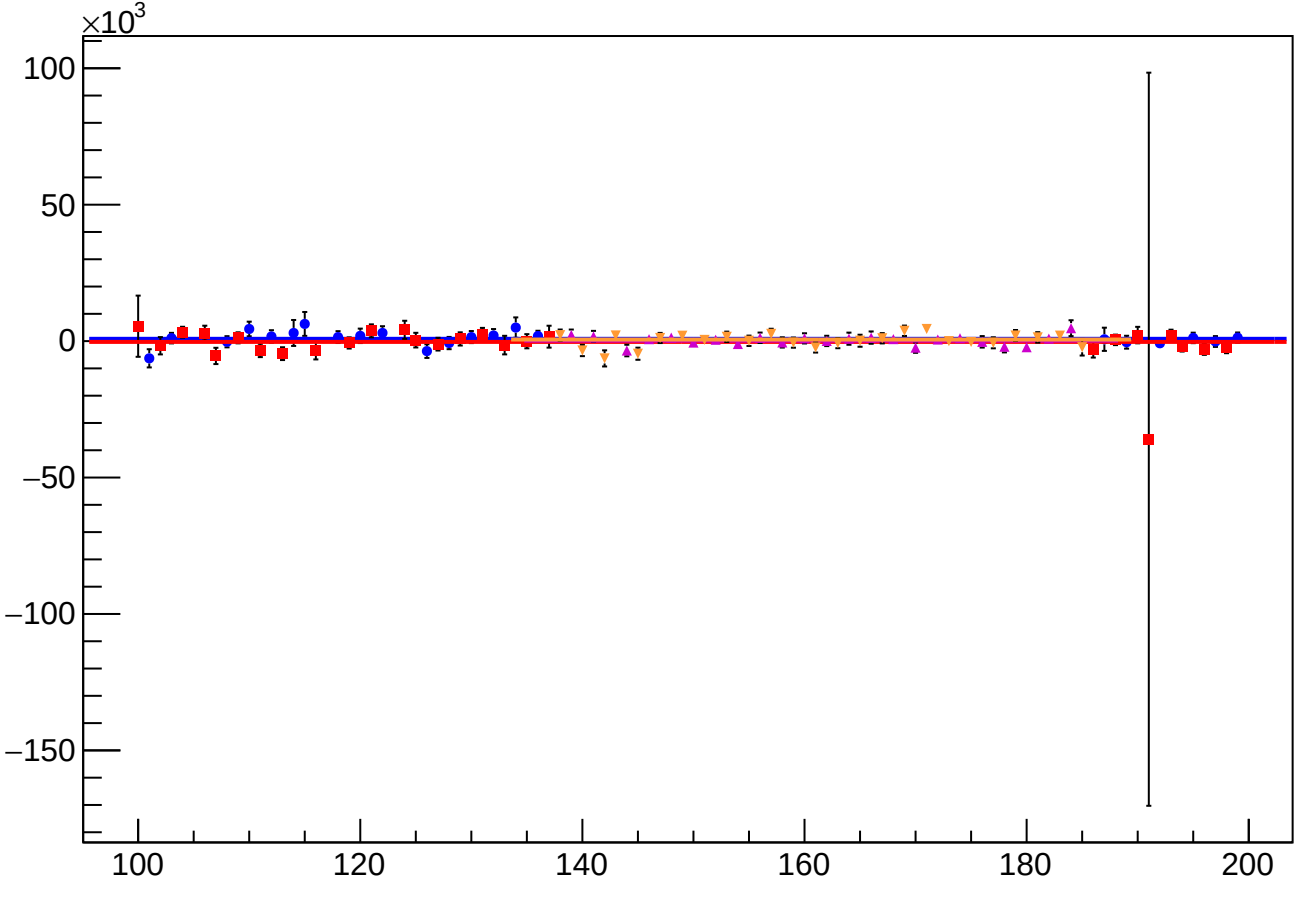
Left: 839.104+/-0.099 χ^2/NDF: 2469552.9/47

Right: 1638.275+/-0.262 χ^2/NDF: 8558367.1/48

In: 938.717+/-0.132 χ^2/NDF:8545800.3/44

Out: 937.426+/-0.129 χ^2/NDF:10627394.0/51

All: 938.060+/-0.092 χ^2/NDF: 19173243.3/96



Right In: 843.510+/-502.292 χ^2/NDF: 16.6/21

Left Out: 580.299+/-389.769 χ^2/NDF:31.9/24

Right Out: -287.971+/-482.830 χ^2/NDF: 28.4/26

Left In: 185.836+/-404.094 χ^2/NDF:14.4/22

Left: 390.183+/-280.536 χ^2/NDF: 46.9/47

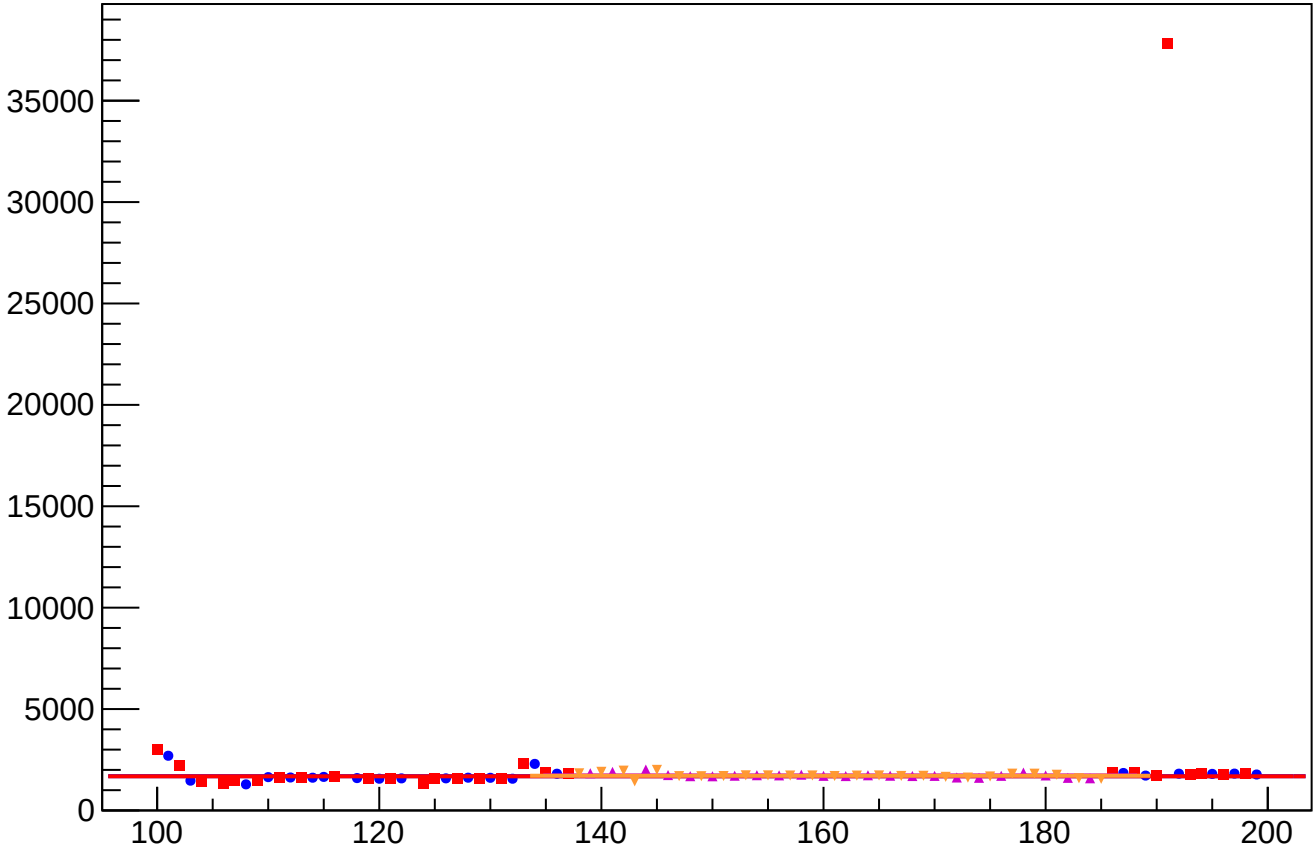
Right: 255.424+/-348.089 χ^2/NDF: 47.6/48

In: 444.247+/-314.852 χ^2/NDF:32.1/44

Out: 237.722+/-303.281 χ^2/NDF:62.3/51

All: 337.120+/-218.428 χ^2/NDF: 94.6/96

dit_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1689.818+/-0.355 χ^2/NDF: 406956.1/21

Left Out: 1711.712+/-0.276 χ^2/NDF:168006.4/24

Right Out: 1683.502+/-0.341 χ^2/NDF: 521044.9/26

Left In: 1727.912+/-0.286 χ^2/NDF:100226.8/22

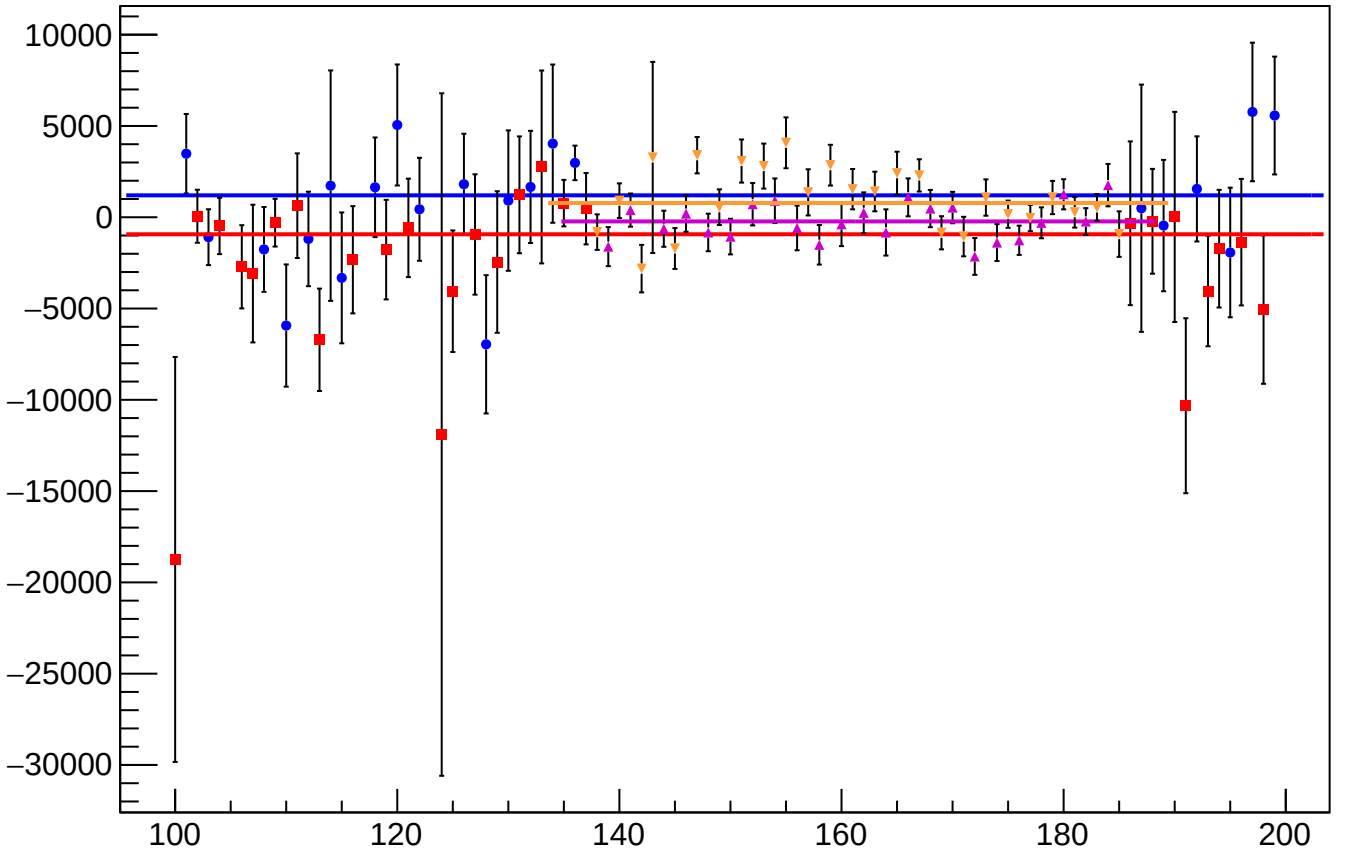
Left: 1719.520+/-0.198 χ^2/NDF: 269898.5/47

Right: 1686.535+/-0.246 χ^2/NDF: 928165.4/48

In: 1712.944+/-0.223 χ^2/NDF:514166.7/44

Out: 1700.581+/-0.214 χ^2/NDF:693184.8/51

All: 1706.532+/-0.154 χ^2/NDF: 1208951.1/96



Right In: 1200.252+/-532.621 χ^2/NDF: 26.4/21

Left Out: 778.974+/-201.641 χ^2/NDF:54.5/24

Right Out: -932.189+/-485.455 χ^2/NDF: 19.9/26

Left In: -228.879+/-206.703 χ^2/NDF:22.6/22

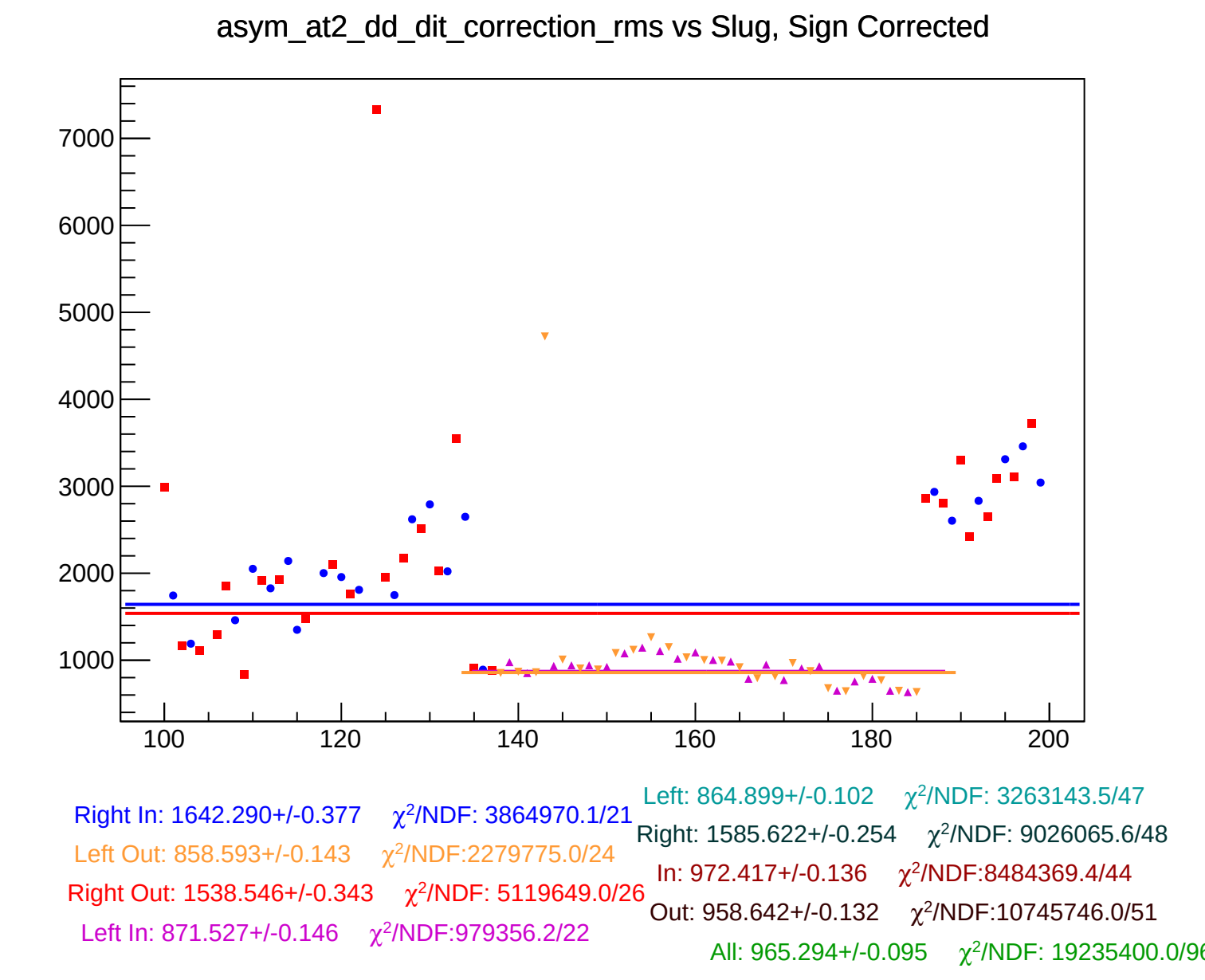
Left: 287.540+/-144.338 χ^2/NDF: 89.3/47

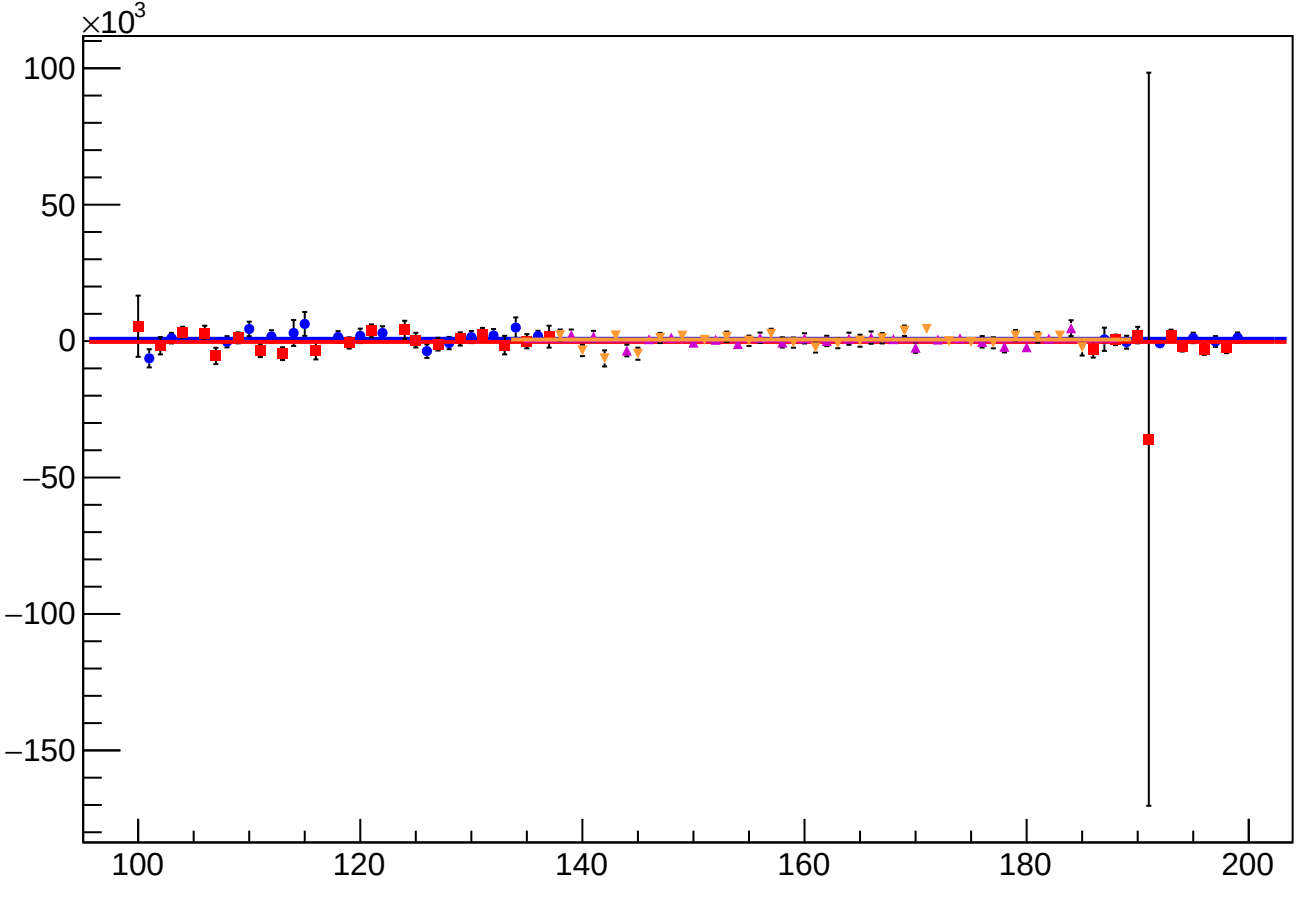
Right: 35.450+/-358.787 χ^2/NDF: 55.0/48

In: -41.810+/-192.701 χ^2/NDF:55.2/44

Out: 527.190+/-186.216 χ^2/NDF:85.0/51

All: 252.425+/-133.908 χ^2/NDF: 144.8/96


asym_at2_dd_dit_correction_rms vs Slug, Sign Corrected
7000
6000
5000
4000
3000
2000
1000
100
120
140
160
180
200
Right In: 1642.290+/-0.377 χ²/NDF: 3864970.1/21
Left Out: 858.593+/-0.143 χ²/NDF:2279775.0/24
Right Out: 1538.546+/-0.343 χ²/NDF: 5119649.0/26
Left In: 871.527+/-0.146 χ²/NDF:979356.2/22
Left: 864.899+/-0.102 χ²/NDF: 3263143.5/47
Right: 1585.622+/-0.254 χ²/NDF: 9026065.6/48
In: 972.417+/-0.136 χ²/NDF:8484369.4/44
Out: 958.642+/-0.132 χ²/NDF:10745746.0/51
All: 965.294+/-0.095 χ²/NDF: 19235400.0/96



Right In: 843.512+/-502.292 χ^2/NDF: 16.6/21

Left Out: 580.295+/-389.769 χ^2/NDF:31.9/24

Right Out: -287.969+/-482.830 χ^2/NDF: 28.4/26

Left In: 185.837+/-404.094 χ^2/NDF:14.4/22

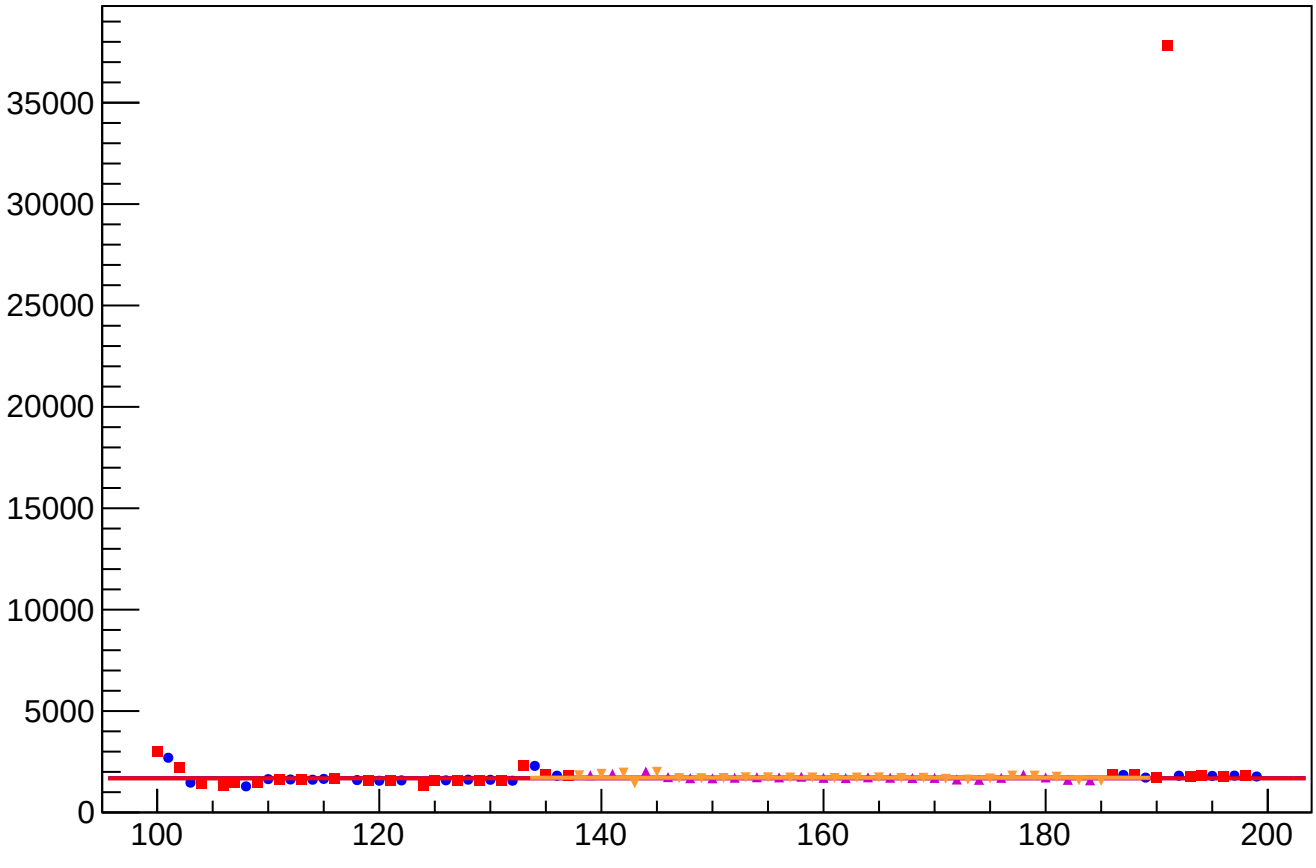
Left: 390.181+/-280.536 χ^2/NDF: 46.9/47

Right: 255.426+/-348.089 χ^2/NDF: 47.6/48

In: 444.248+/-314.852 χ^2/NDF:32.1/44

Out: 237.720+/-303.281 χ^2/NDF:62.3/51

All: 337.120+/-218.428 χ^2/NDF: 94.6/96



Right In: 1689.818+/-0.355 χ^2/NDF: 406955.9/21

Left Out: 1711.711+/-0.276 χ^2/NDF:168005.1/24

Right Out: 1683.502+/-0.341 χ^2/NDF: 521045.0/26

Left In: 1727.912+/-0.286 χ^2/NDF:100226.8/22

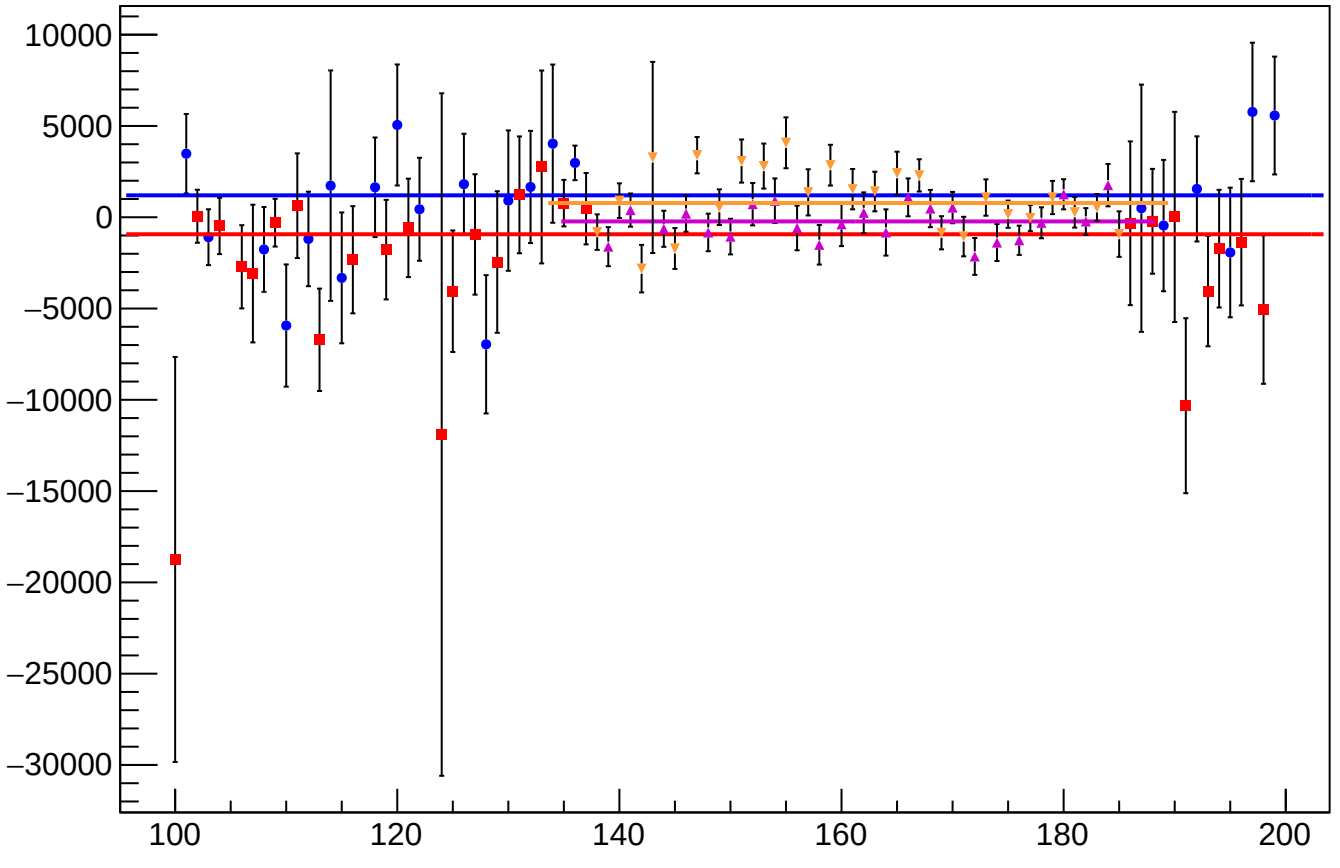
Left: 1719.519+/-0.198 χ^2/NDF: 269897.2/47

Right: 1686.535+/-0.246 χ^2/NDF: 928165.2/48

In: 1712.944+/-0.223 χ^2/NDF:514166.3/44

Out: 1700.581+/-0.214 χ^2/NDF:693183.6/51

All: 1706.531+/-0.154 χ^2/NDF: 1208949.5/96



Right In: 1200.245+/-532.624 χ^2/NDF: 26.4/21

Left Out: 778.977+/-201.641 χ^2/NDF:54.5/24

Right Out: -932.205+/-485.458 χ^2/NDF: 19.9/26

Left In: -228.876+/-206.703 χ^2/NDF:22.6/22

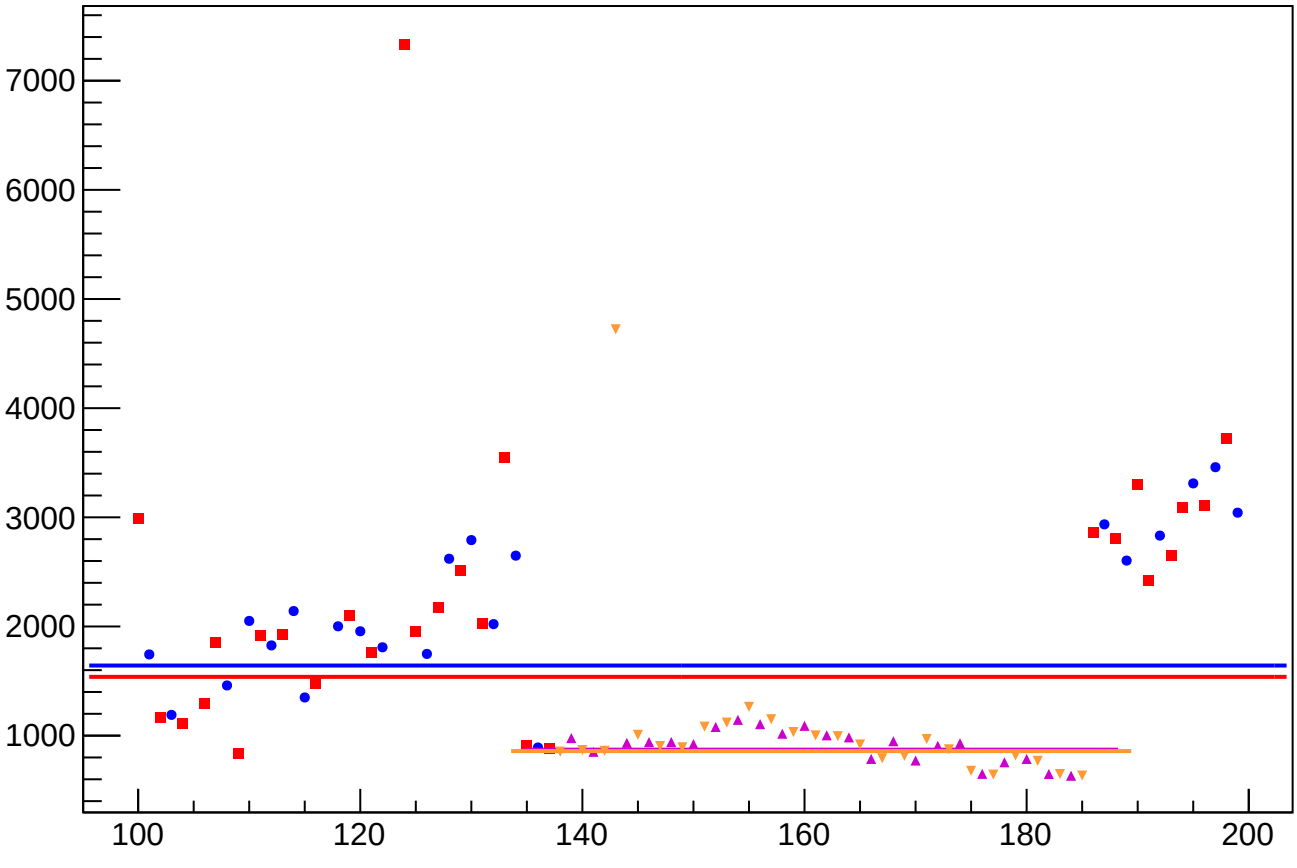
Left: 287.542+/-144.338 χ^2/NDF: 89.3/47

Right: 35.438+/-358.789 χ^2/NDF: 55.0/48

In: -41.811+/-192.701 χ^2/NDF:55.2/44

Out: 527.193+/-186.216 χ^2/NDF:85.0/51

All: 252.425+/-133.909 χ^2/NDF: 144.8/96


asym_at2_dd_eigen_dit_correction_rms vs Slug, Sign Corrected
7000
6000
5000
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3000
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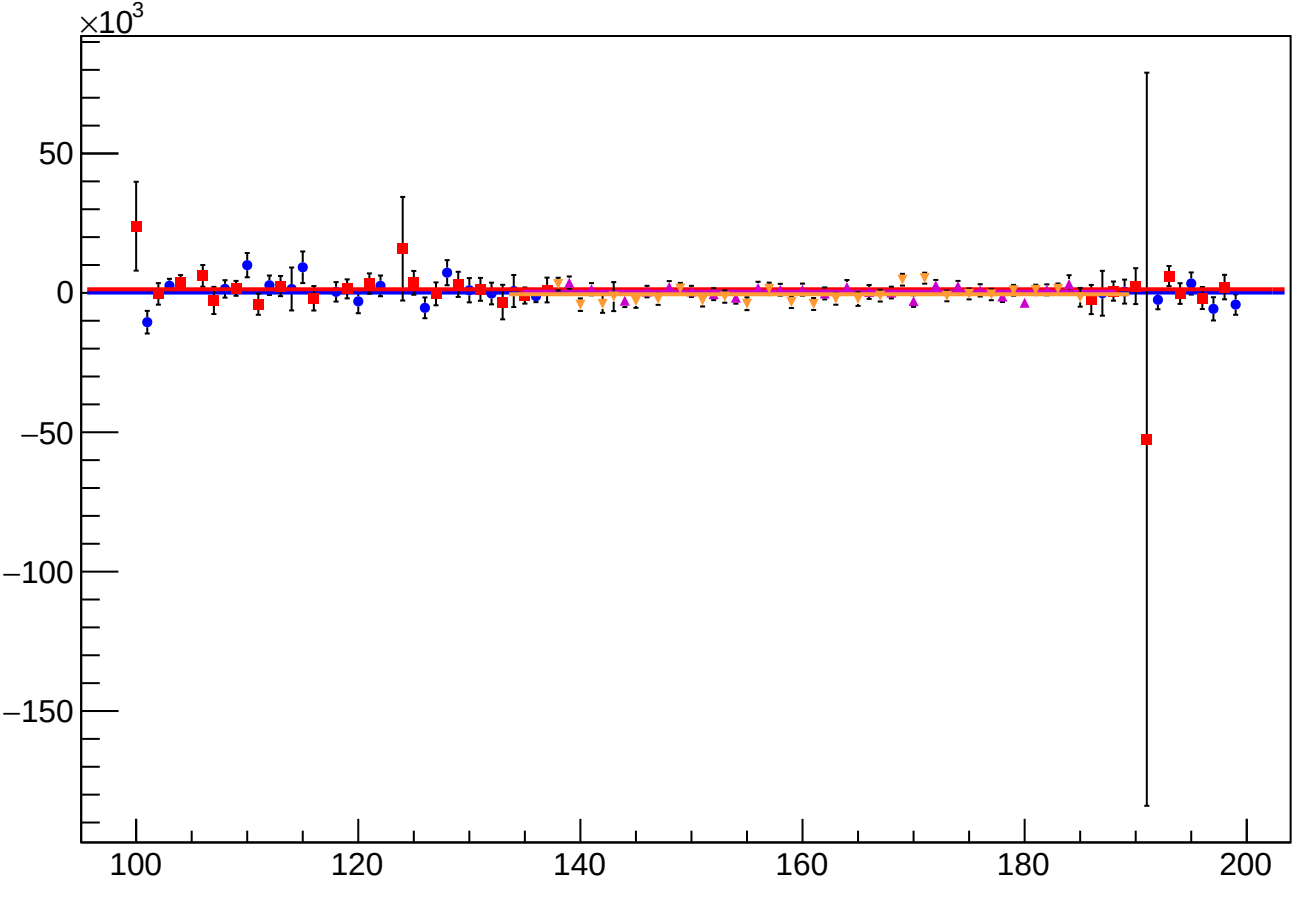
1000
100
120
140
160
180
200
Right In: 1642.305+/-0.377 χ²/NDF: 3864834.2/21
Left Out: 858.593+/-0.143 χ²/NDF:2279765.6/24
Right Out: 1538.561+/-0.343 χ²/NDF: 5119525.2/26
Left In: 871.525+/-0.146 χ²/NDF:979360.3/22
Left: 864.899+/-0.102 χ²/NDF: 3263137.5/47
Right: 1585.637+/-0.254 χ²/NDF: 9025806.9/48
In: 972.417+/-0.136 χ²/NDF:8484360.5/44
Out: 958.644+/-0.132 χ²/NDF:10745716.3/51
All: 965.295+/-0.095 χ²/NDF: 19235360.4/96



Right In: 112.803+/-800.591 χ^2/NDF: 26.9/21

Left Out: -501.517+/-439.916 χ^2/NDF:35.9/24

Right Out: 1286.123+/-773.514 χ^2/NDF: 14.1/26

Left In: 411.323+/-444.573 χ^2/NDF:18.9/22

Left: -49.903+/-312.701 χ^2/NDF: 56.9/47

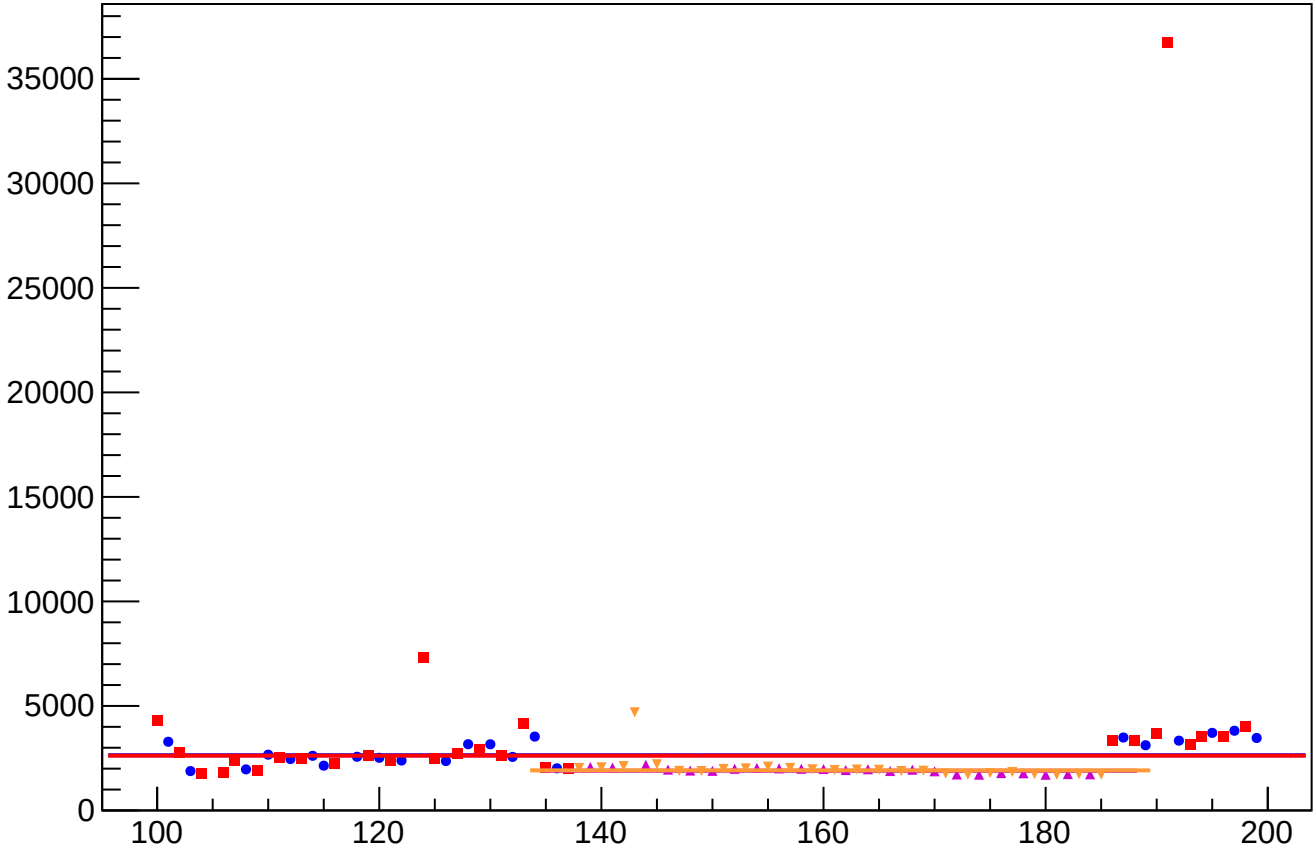
Right: 719.640+/-556.283 χ^2/NDF: 42.2/48

In: 340.966+/-388.668 χ^2/NDF:45.9/44

Out: -64.622+/-382.399 χ^2/NDF:54.1/51

All: 134.875+/-272.586 χ^2/NDF: 100.5/96

asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 2641.257+/-0.566 χ^2/NDF: 1189114.4/21

Left Out: 1917.157+/-0.311 χ^2/NDF:756385.6/24

Right Out: 2621.089+/-0.547 χ^2/NDF: 1715515.0/26

Left In: 1899.245+/-0.314 χ^2/NDF:173376.4/22

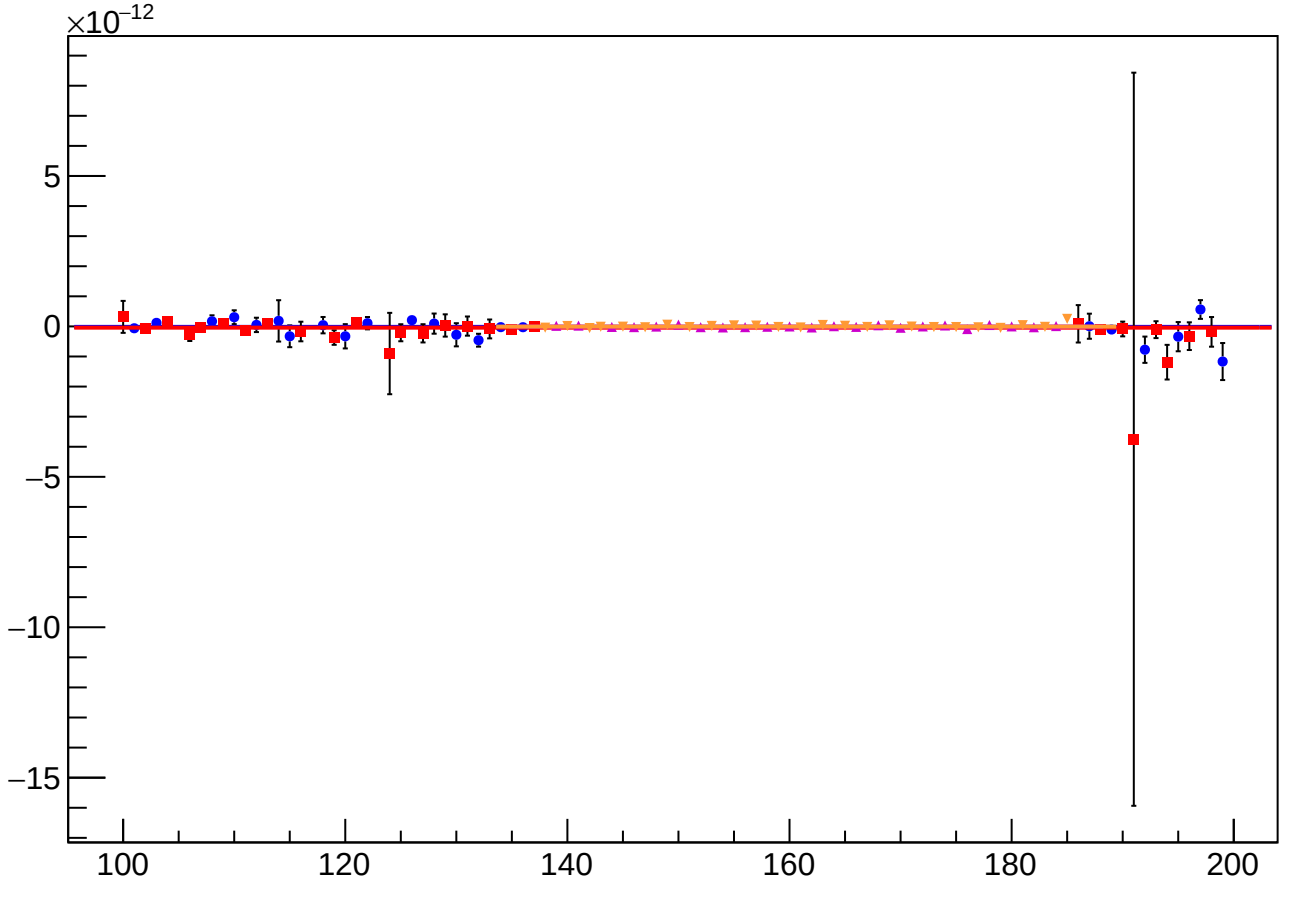
Left: 1908.296+/-0.221 χ^2/NDF: 931402.4/47

Right: 2630.826+/-0.393 χ^2/NDF: 2905285.9/48

In: 2074.128+/-0.275 χ^2/NDF:2675604.1/44

Out: 2089.198+/-0.270 χ^2/NDF:3723460.2/51

All: 2081.786+/-0.193 χ^2/NDF: 6400592.1/96



Right In: -0.000+/-0.000 χ^2/NDF: 25.6/21

Left Out: -0.000+/-0.000 χ^2/NDF:28.5/24

Right Out: -0.000+/-0.000 χ^2/NDF: 20.2/26

Left In: -0.000+/-0.000 χ^2/NDF:25.0/22

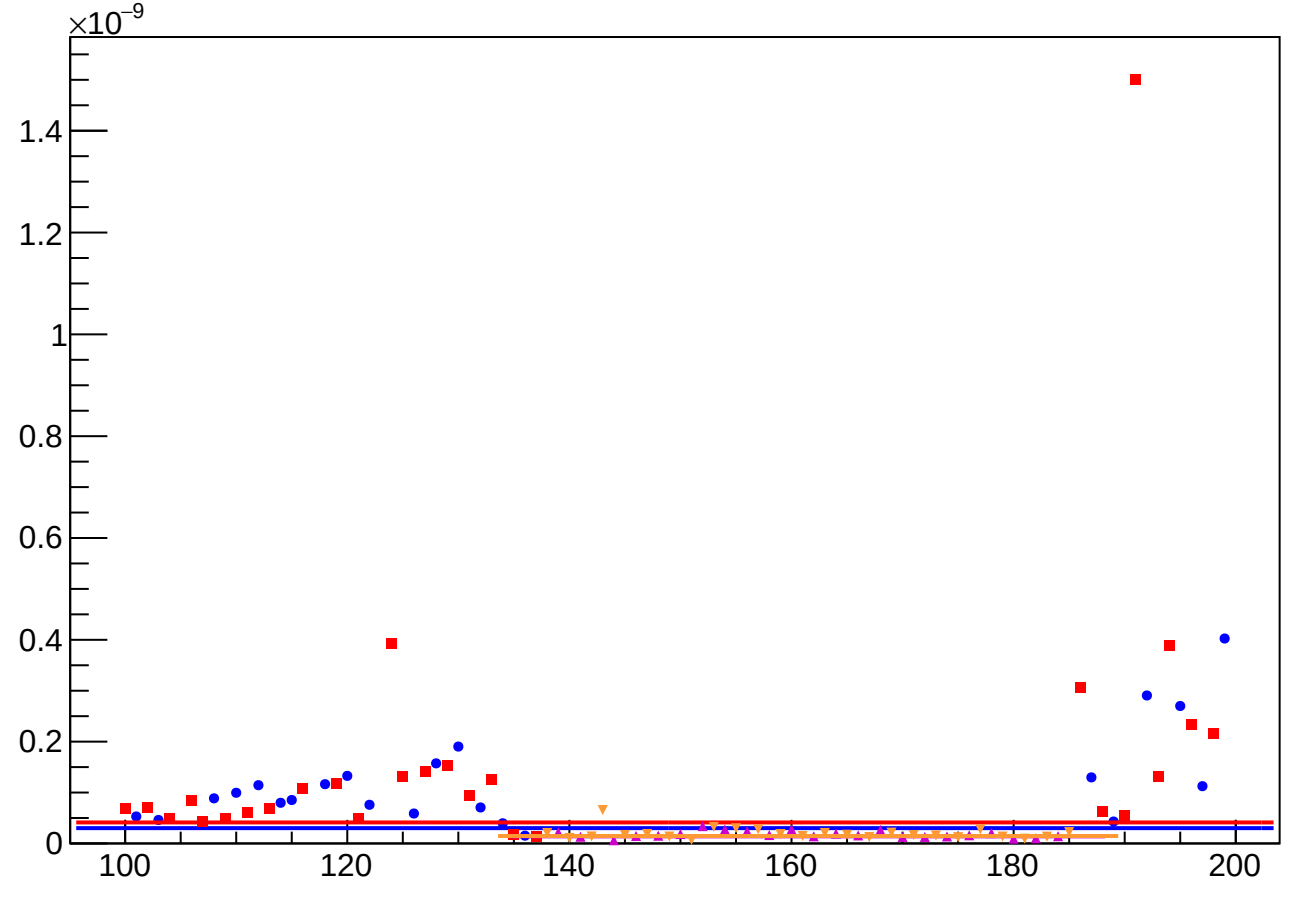
Left: -0.000+/-0.000 χ^2/NDF: 53.6/47

Right: -0.000+/-0.000 χ^2/NDF: 46.3/48

In: -0.000+/-0.000 χ^2/NDF:50.8/44

Out: -0.000+/-0.000 χ^2/NDF:50.4/51

All: -0.000+/-0.000 χ^2/NDF: 101.2/96



Right In: 0.000+/-0.000 χ^2/NDF: 4958661.1/21

Left Out: 0.000+/-0.000 χ^2/NDF:1874636.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4497675.4/26

Left In: 0.000+/-0.000 χ^2/NDF:1944578.7/22

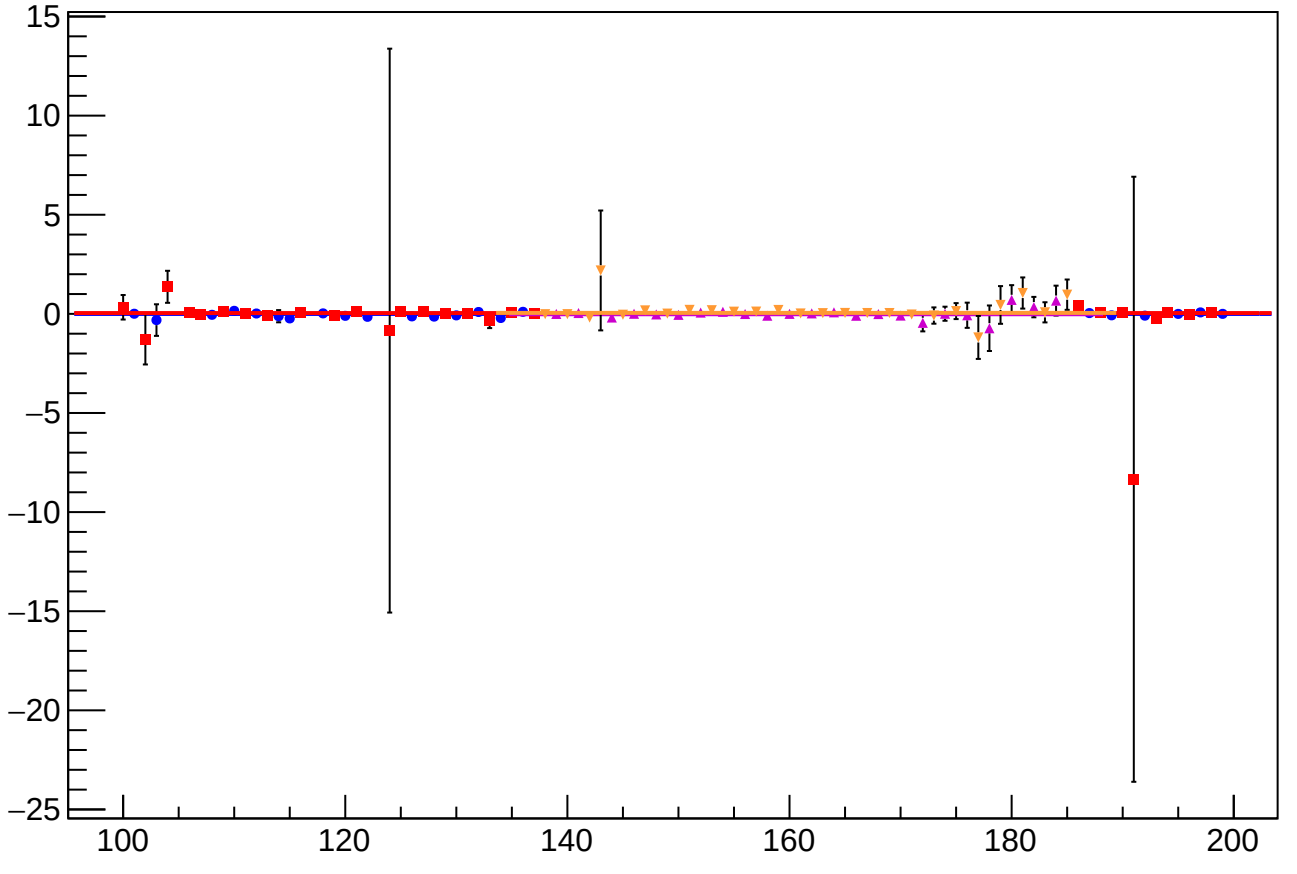
Left: 0.000+/-0.000 χ^2/NDF: 3830932.2/47

Right: 0.000+/-0.000 χ^2/NDF: 9664853.6/48

In: 0.000+/-0.000 χ^2/NDF:7924156.0/44

Out: 0.000+/-0.000 χ^2/NDF:8250651.7/51

All: 0.000+/-0.000 χ^2/NDF: 16192746.1/96



Right In: -0.004+/-0.024 χ^2/NDF: 14.8/21

Left Out: 0.050+/-0.017 χ^2/NDF:24.5/24

Right Out: 0.040+/-0.021 χ^2/NDF: 22.6/26

Left In: -0.019+/-0.017 χ^2/NDF:15.4/22

Left: 0.016+/-0.012 χ^2/NDF: 48.0/47

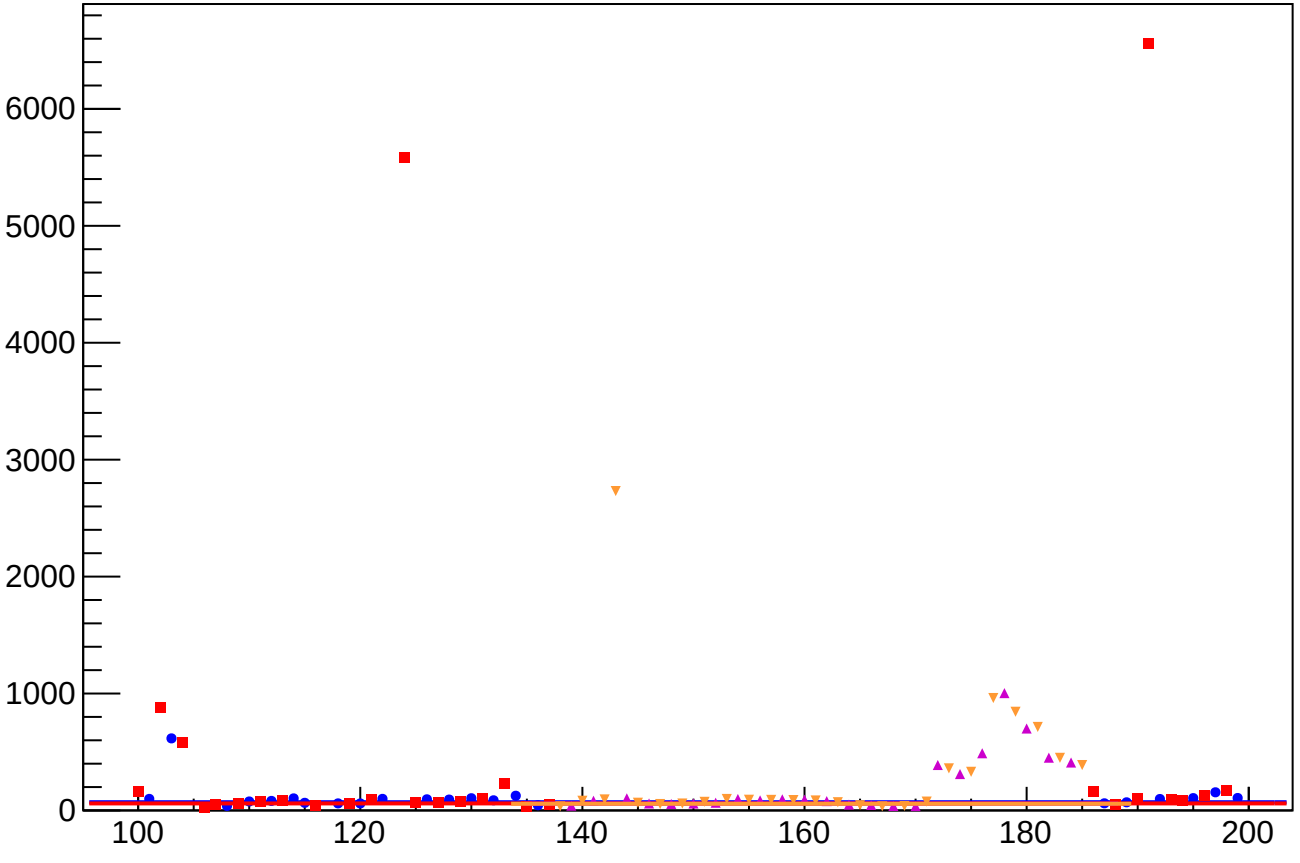
Right: 0.021+/-0.016 χ^2/NDF: 39.3/48

In: -0.014+/-0.014 χ^2/NDF:30.4/44

Out: 0.046+/-0.013 χ^2/NDF:47.2/51

All: 0.018+/-0.010 χ^2/NDF: 87.4/96

asym_at2_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 70.616+/-0.017 χ^2/NDF: 3534055.2/21

Left Out: 57.259+/-0.012 χ^2/NDF:12322019.7/24

Right Out: 60.091+/-0.015 χ^2/NDF: 6247812.0/26

Left In: 58.580+/-0.012 χ^2/NDF:10247660.0/22

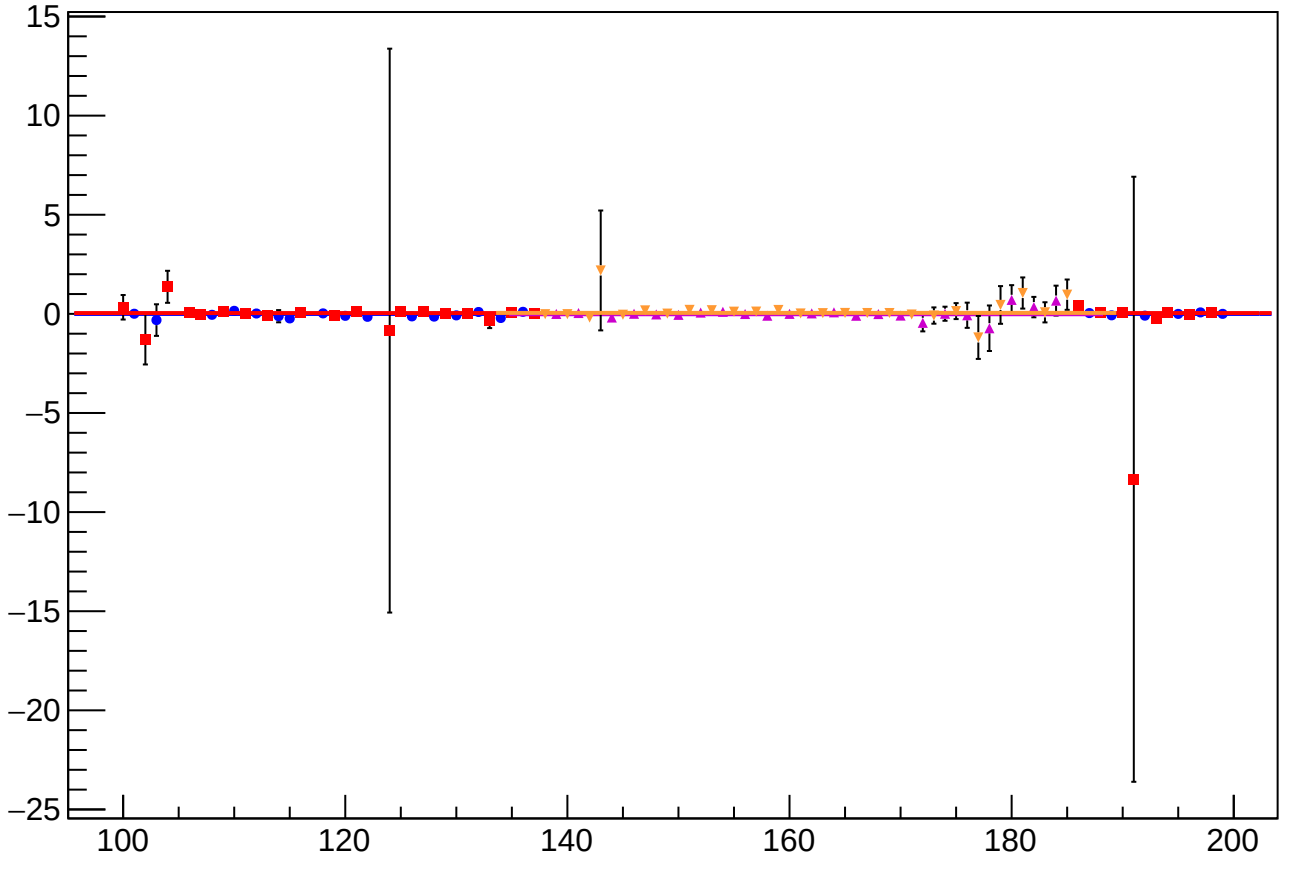
Left: 57.916+/-0.009 χ^2/NDF: 22575659.0/47

Right: 64.701+/-0.011 χ^2/NDF: 10001316.2/48

In: 62.682+/-0.010 χ^2/NDF:14118293.3/44

Out: 58.381+/-0.009 χ^2/NDF:18591733.3/51

All: 60.425+/-0.007 χ^2/NDF: 32810451.8/96



Right In: -0.004+/-0.024 χ^2/NDF: 14.8/21

Left Out: 0.050+/-0.017 χ^2/NDF:24.5/24

Right Out: 0.040+/-0.021 χ^2/NDF: 22.6/26

Left In: -0.019+/-0.017 χ^2/NDF:15.4/22

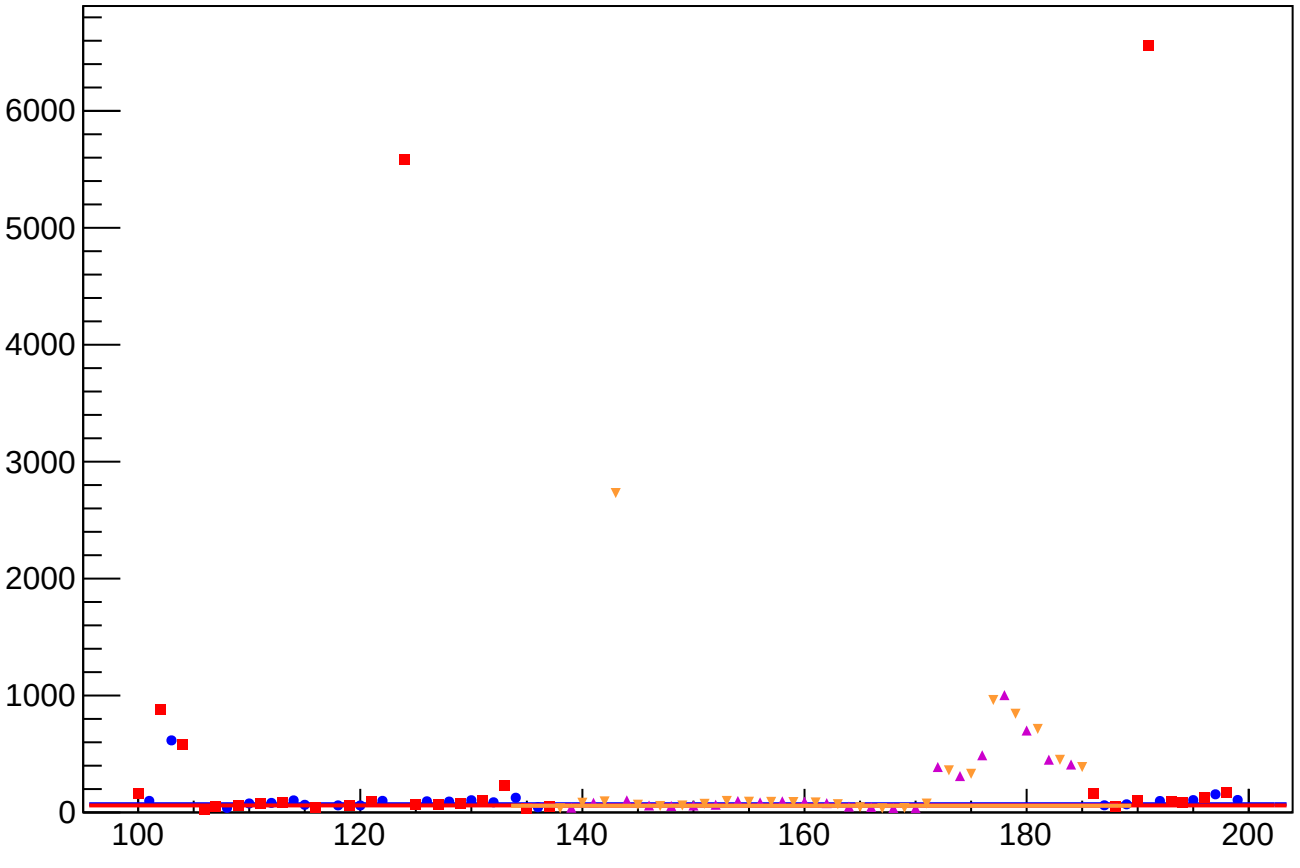
Left: 0.016+/-0.012 χ^2/NDF: 48.0/47

Right: 0.021+/-0.016 χ^2/NDF: 39.3/48

In: -0.014+/-0.014 χ^2/NDF:30.4/44

Out: 0.046+/-0.013 χ^2/NDF:47.2/51

All: 0.018+/-0.010 χ^2/NDF: 87.4/96



Right In: 70.616+/-0.017 χ^2/NDF: 3534055.2/21

Left Out: 57.259+/-0.012 χ^2/NDF:12322019.7/24

Right Out: 60.091+/-0.015 χ^2/NDF: 6247812.0/26

Left In: 58.580+/-0.012 χ^2/NDF:10247660.0/22

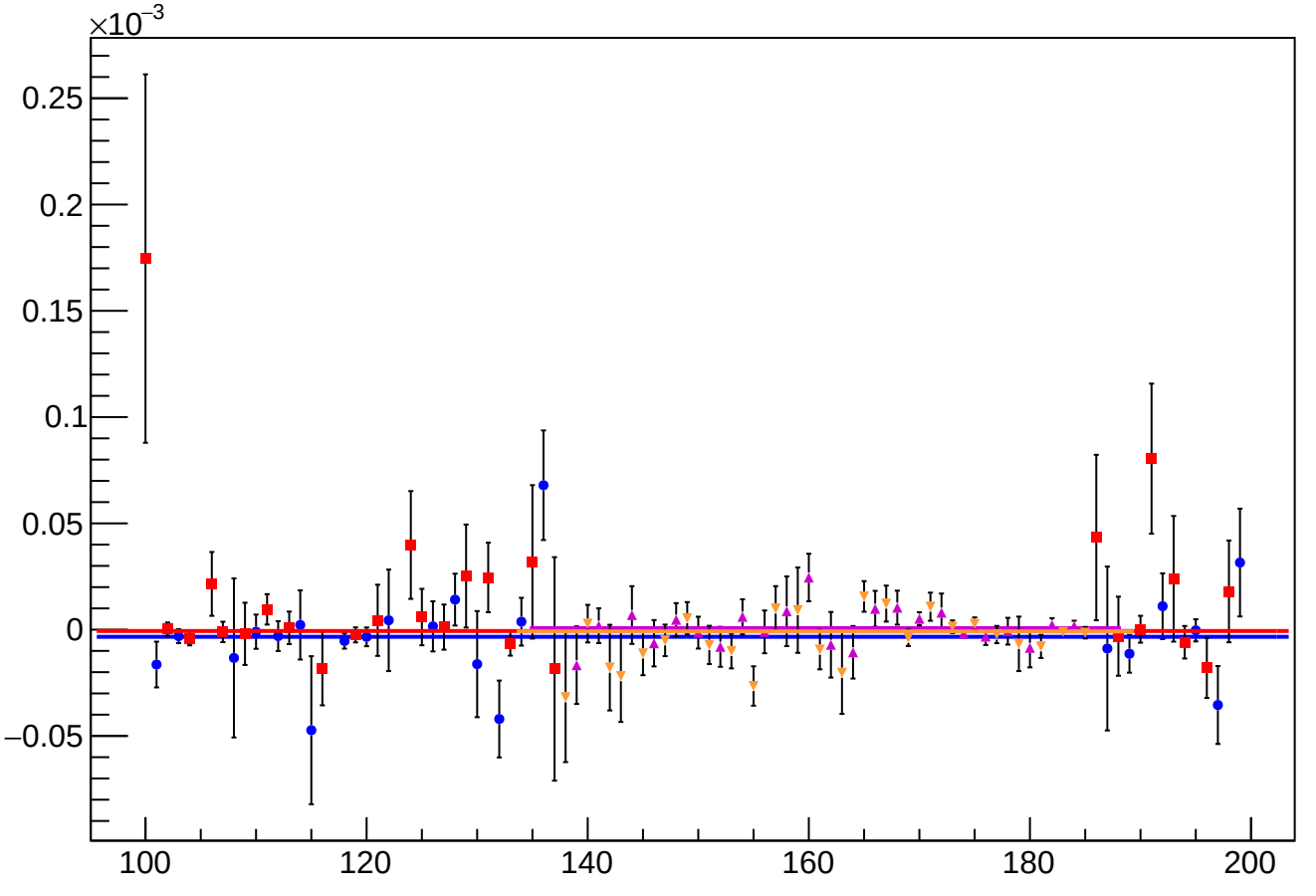
Left: 57.916+/-0.009 χ^2/NDF: 22575659.0/47

Right: 64.701+/-0.011 χ^2/NDF: 10001316.2/48

In: 62.682+/-0.010 χ^2/NDF:14118293.3/44

Out: 58.381+/-0.009 χ^2/NDF:18591733.3/51

All: 60.425+/-0.007 χ^2/NDF: 32810451.8/96



Right In: -0.000+/-0.000 χ^2/NDF: 25.9/21

Left Out: -0.000+/-0.000 χ^2/NDF:32.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 29.0/26

Left In: 0.000+/-0.000 χ^2/NDF:18.8/22

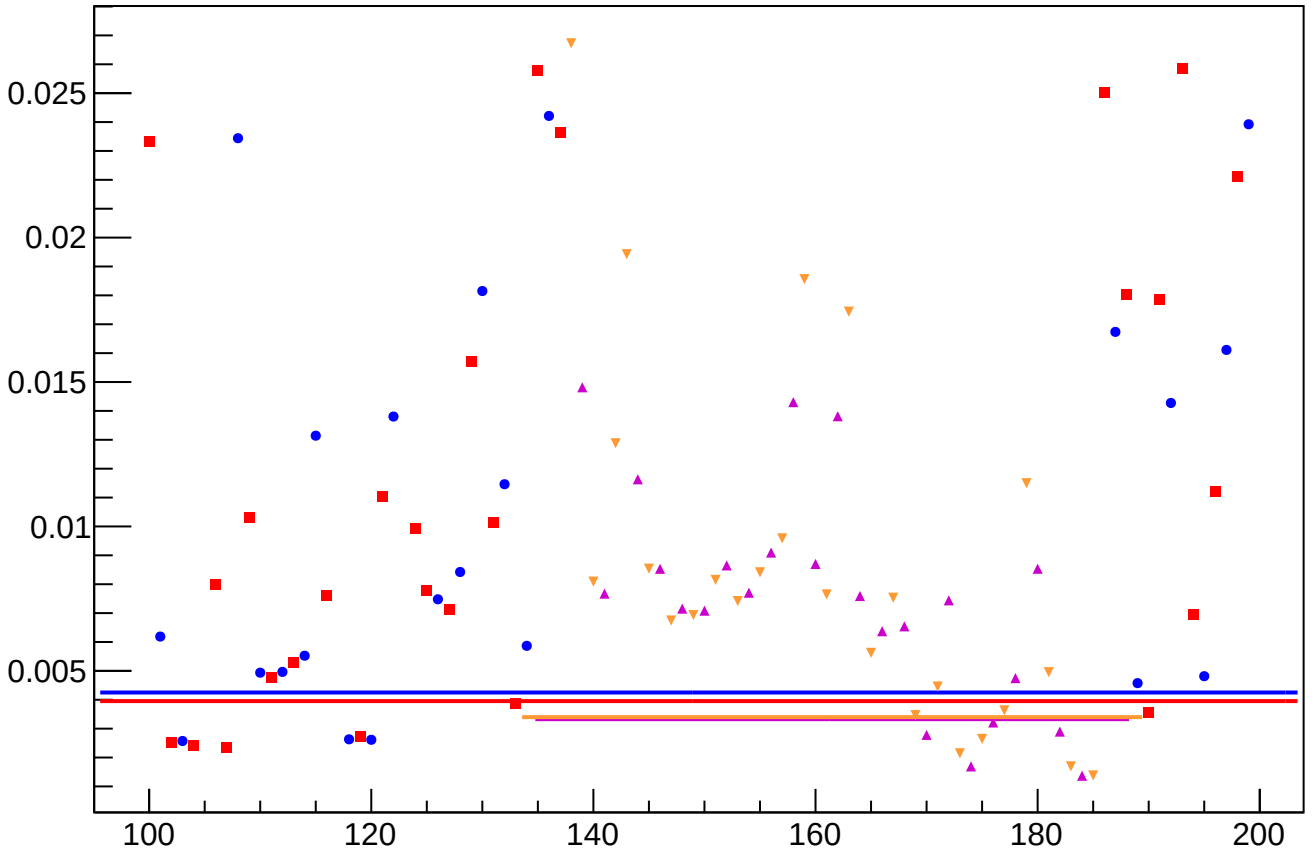
Left: -0.000+/-0.000 χ^2/NDF: 52.7/47

Right: -0.000+/-0.000 χ^2/NDF: 56.4/48

In: -0.000+/-0.000 χ^2/NDF:49.0/44

Out: -0.000+/-0.000 χ^2/NDF:61.8/51

All: -0.000+/-0.000 χ^2/NDF: 110.8/96



Right In: 0.004+/-0.000 χ^2/NDF: 7970188.2/21

Left Out: 0.003+/-0.000 χ^2/NDF:14248948.0/24

Right Out: 0.004+/-0.000 χ^2/NDF: 9818692.5/26

Left In: 0.003+/-0.000 χ^2/NDF:12566501.1/22

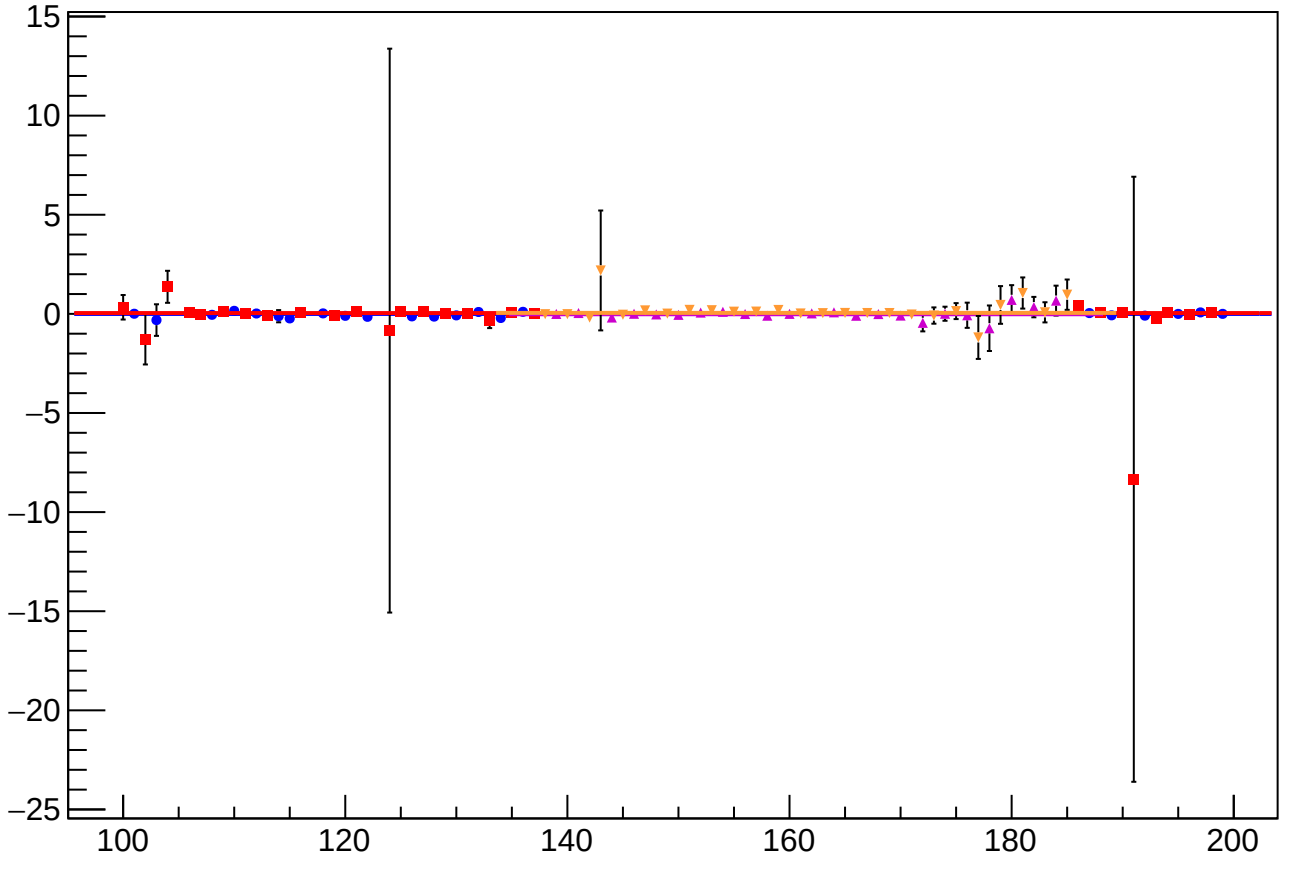
Left: 0.003+/-0.000 χ^2/NDF: 26820032.9/47

Right: 0.004+/-0.000 χ^2/NDF: 17825040.9/48

In: 0.004+/-0.000 χ^2/NDF:20976312.4/44

Out: 0.004+/-0.000 χ^2/NDF:24263110.6/51

All: 0.004+/-0.000 χ^2/NDF: 45239463.4/96



Right In: -0.004+/-0.024 χ^2/NDF: 14.8/21

Left Out: 0.050+/-0.017 χ^2/NDF:24.5/24

Right Out: 0.040+/-0.021 χ^2/NDF: 22.6/26

Left In: -0.019+/-0.017 χ^2/NDF:15.4/22

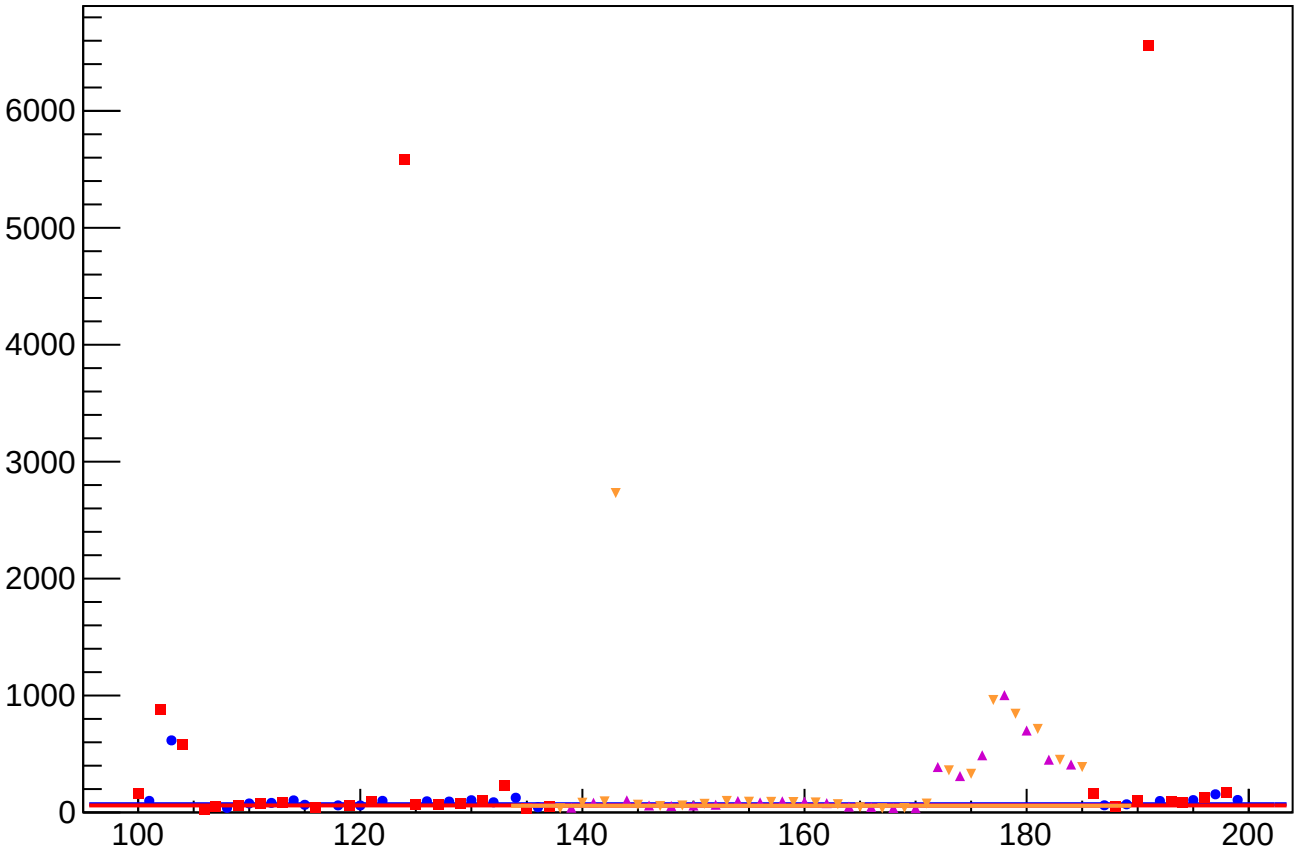
Left: 0.016+/-0.012 χ^2/NDF: 48.0/47

Right: 0.021+/-0.016 χ^2/NDF: 39.3/48

In: -0.014+/-0.014 χ^2/NDF:30.5/44

Out: 0.046+/-0.013 χ^2/NDF:47.2/51

All: 0.018+/-0.010 χ^2/NDF: 87.4/96



Right In: 70.624+/-0.017 χ^2/NDF: 3532773.3/21

Left Out: 57.258+/-0.012 χ^2/NDF:12321763.3/24

Right Out: 60.086+/-0.015 χ^2/NDF: 6248663.0/26

Left In: 58.582+/-0.012 χ^2/NDF:10247153.8/22

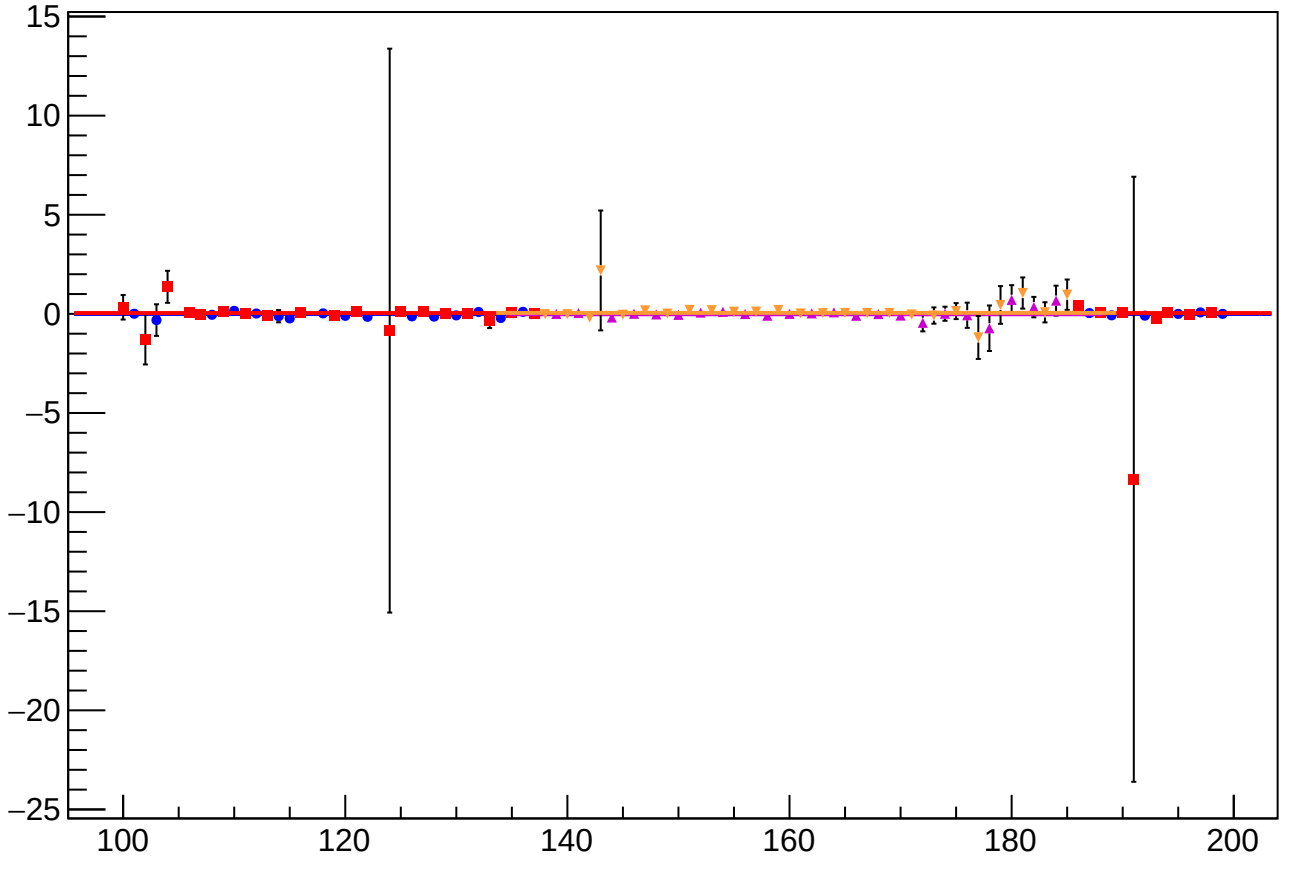
Left: 57.916+/-0.009 χ^2/NDF: 22574928.3/47

Right: 64.701+/-0.011 χ^2/NDF: 10001402.7/48

In: 62.686+/-0.010 χ^2/NDF:14116762.8/44

Out: 58.378+/-0.009 χ^2/NDF:18592270.0/51

All: 60.425+/-0.007 χ^2/NDF: 32809761.7/96



Right In: -0.004+/-0.024 χ^2/NDF: 14.8/21

Left Out: 0.050+/-0.017 χ^2/NDF:24.5/24

Right Out: 0.040+/-0.021 χ^2/NDF: 22.6/26

Left In: -0.019+/-0.017 χ^2/NDF:15.4/22

Left: 0.016+/-0.012 χ^2/NDF: 48.0/47

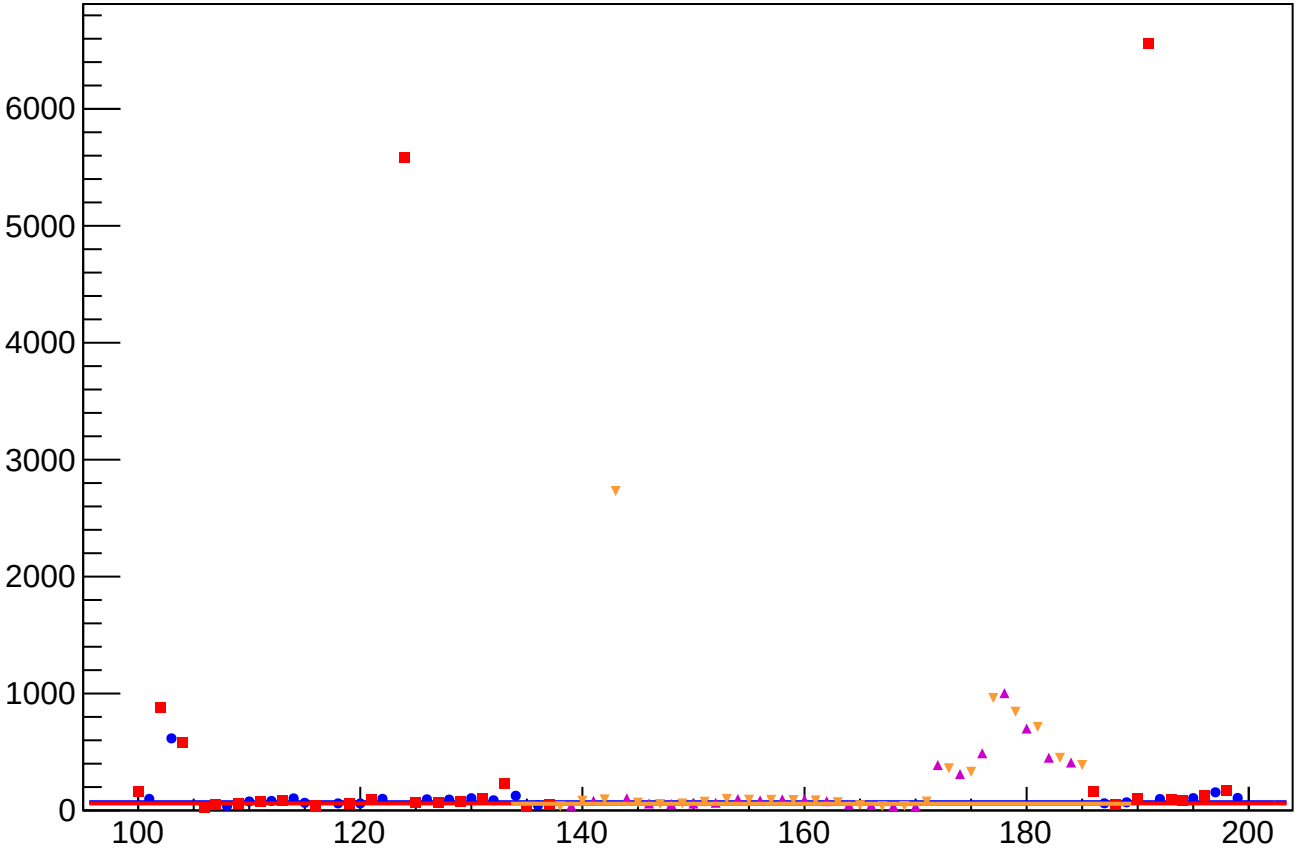
Right: 0.021+/-0.016 χ^2/NDF: 39.3/48

In: -0.014+/-0.014 χ^2/NDF:30.5/44

Out: 0.046+/-0.013 χ^2/NDF:47.2/51

All: 0.018+/-0.010 χ^2/NDF: 87.4/96

asym_at2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 70.624+/-0.017 χ^2/NDF: 3532773.3/21

Left Out: 57.258+/-0.012 χ^2/NDF:12321763.3/24

Right Out: 60.086+/-0.015 χ^2/NDF: 6248663.0/26

Left In: 58.582+/-0.012 χ^2/NDF:10247153.8/22

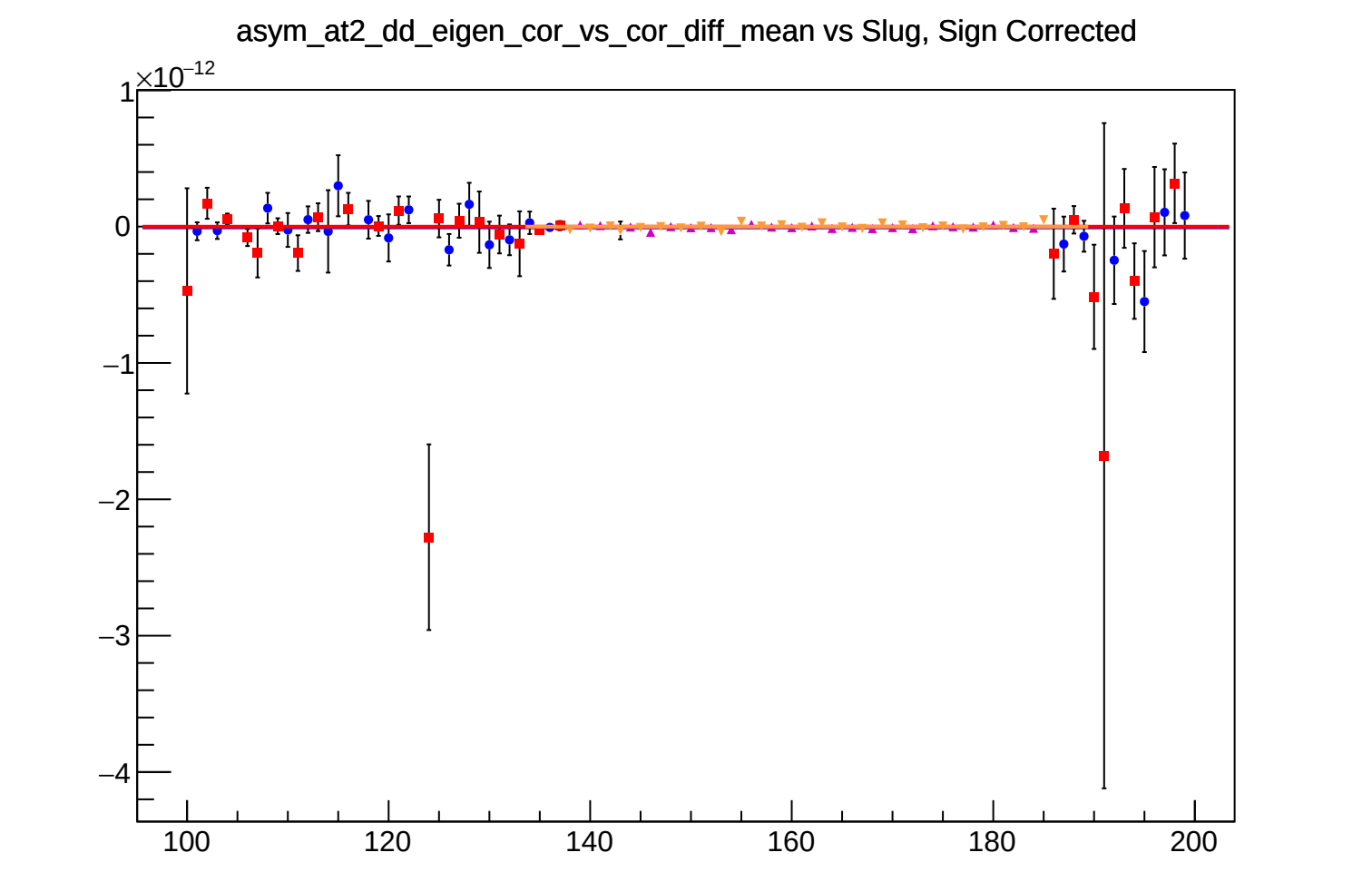
Left: 57.916+/-0.009 χ^2/NDF: 22574928.3/47

Right: 64.701+/-0.011 χ^2/NDF: 10001402.7/48

In: 62.686+/-0.010 χ^2/NDF:14116762.8/44

Out: 58.378+/-0.009 χ^2/NDF:18592270.0/51

All: 60.425+/-0.007 χ^2/NDF: 32809761.7/96



Right In: -0.000+/-0.000 χ^2/NDF: 14.4/21

Left Out: -0.000+/-0.000 χ^2/NDF:18.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 31.5/26

Left In: -0.000+/-0.000 χ^2/NDF:15.4/22

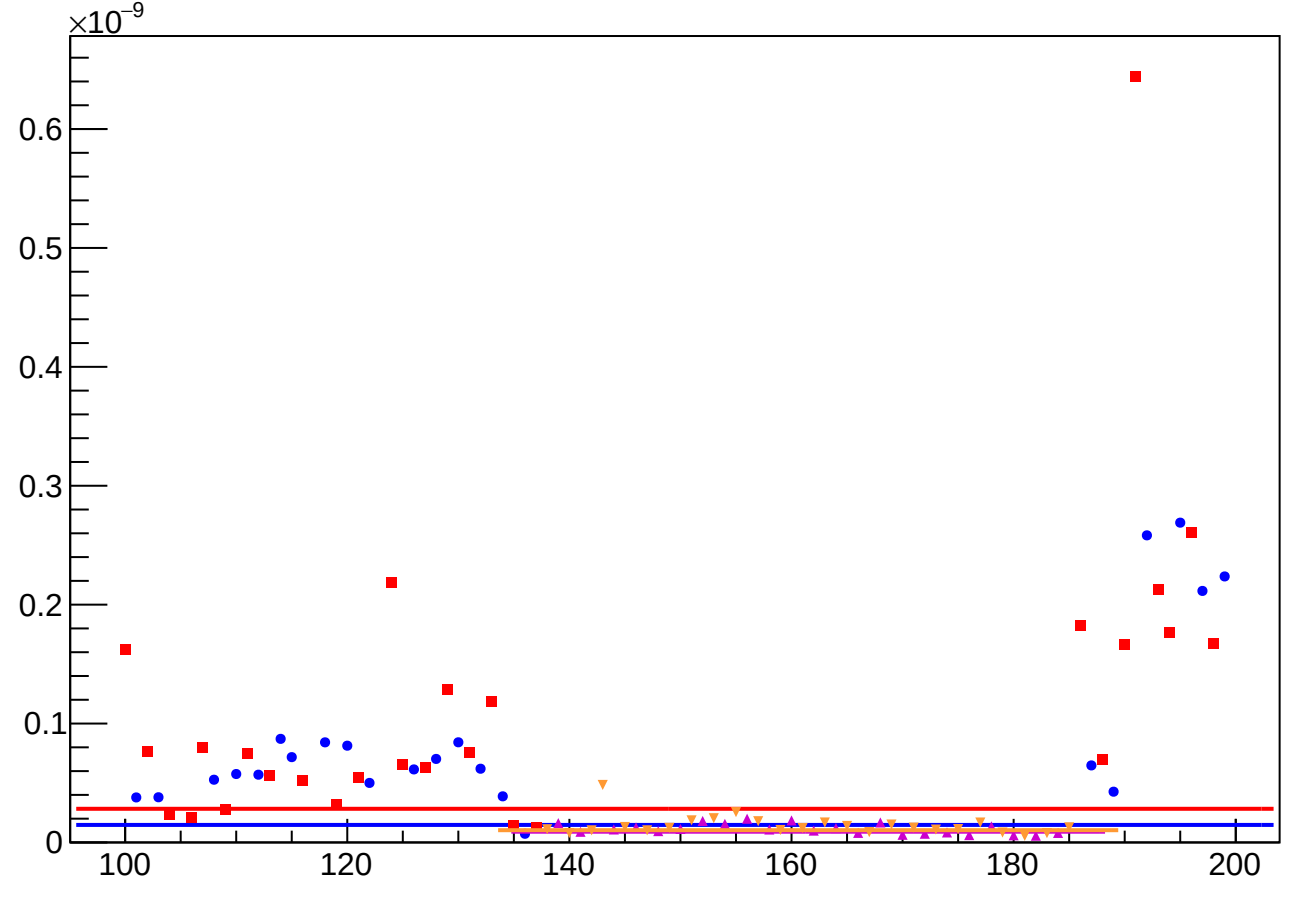
Left: -0.000+/-0.000 χ^2/NDF: 34.5/47

Right: -0.000+/-0.000 χ^2/NDF: 46.0/48

In: -0.000+/-0.000 χ^2/NDF:29.9/44

Out: -0.000+/-0.000 χ^2/NDF:50.3/51

All: -0.000+/-0.000 χ^2/NDF: 80.7/96



Right In: 0.000+/-0.000 χ^2/NDF: 9012759.0/21

Left Out: 0.000+/-0.000 χ^2/NDF:3643428.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7474044.0/26

Left In: 0.000+/-0.000 χ^2/NDF:3047861.1/22

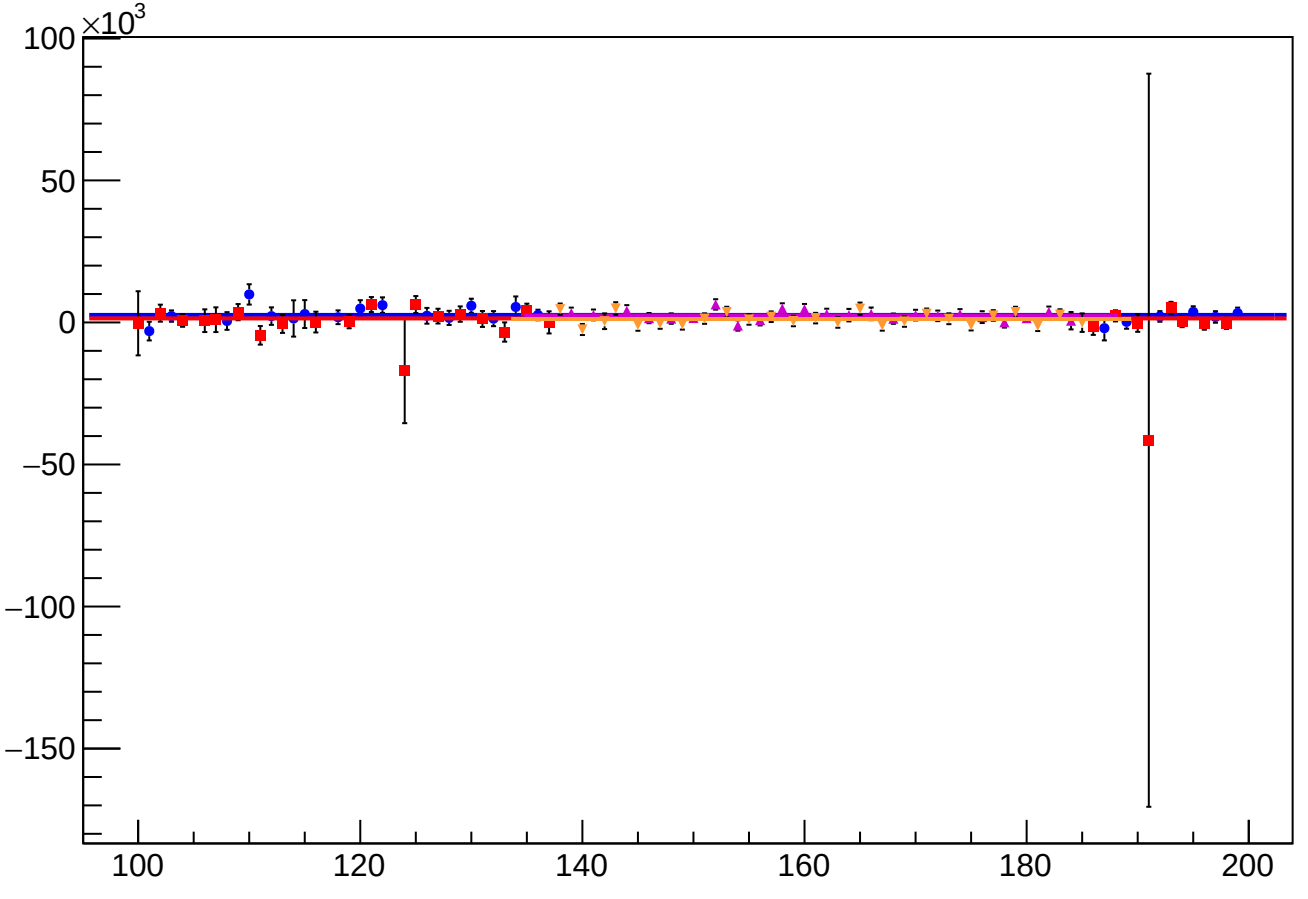
Left: 0.000+/-0.000 χ^2/NDF: 6877548.0/47

Right: 0.000+/-0.000 χ^2/NDF: 17628246.3/48

In: 0.000+/-0.000 χ^2/NDF:12641279.4/44

Out: 0.000+/-0.000 χ^2/NDF:13962407.8/51

All: 0.000+/-0.000 χ^2/NDF: 26914153.7/96



Right In: 2648.053+/-547.072 χ^2/NDF: 15.4/21

Left Out: 1202.401+/-389.137 χ^2/NDF:26.3/24

Right Out: 1414.134+/-537.174 χ^2/NDF: 22.6/26

Left In: 2439.008+/-397.969 χ^2/NDF:17.5/22

Left: 1806.830+/-278.231 χ^2/NDF: 48.7/47

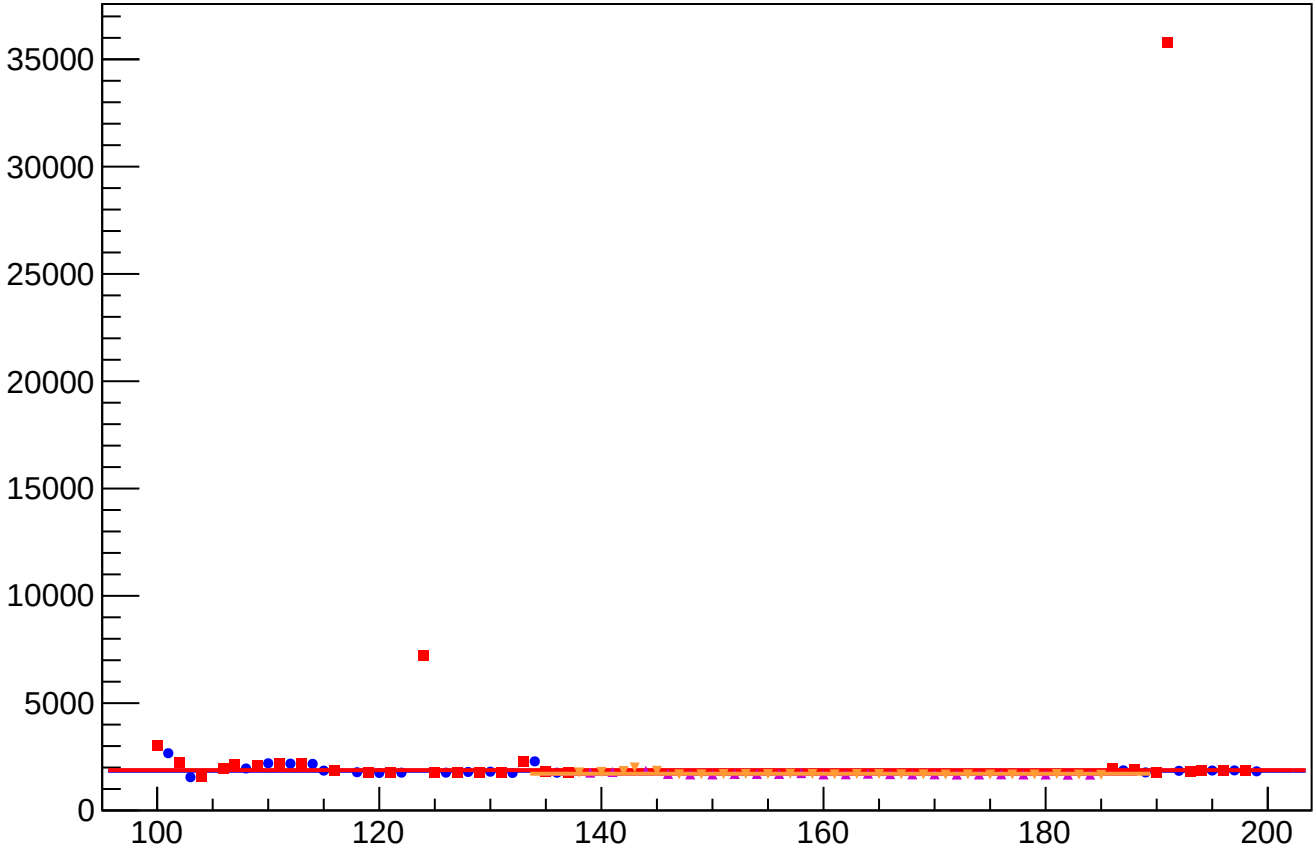
Right: 2019.830+/-383.291 χ^2/NDF: 40.6/48

In: 2511.349+/-321.824 χ^2/NDF:33.0/44

Out: 1275.272+/-315.137 χ^2/NDF:49.0/51

All: 1880.335+/-225.162 χ^2/NDF: 89.5/96

reg_asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 1848.622+/-0.387 χ^2/NDF: 265989.5/21

Left Out: 1711.777+/-0.275 χ^2/NDF:60068.7/24

Right Out: 1878.839+/-0.379 χ^2/NDF: 517062.6/26

Left In: 1703.969+/-0.281 χ^2/NDF:22568.8/22

Left: 1707.960+/-0.197 χ^2/NDF: 83031.0/47

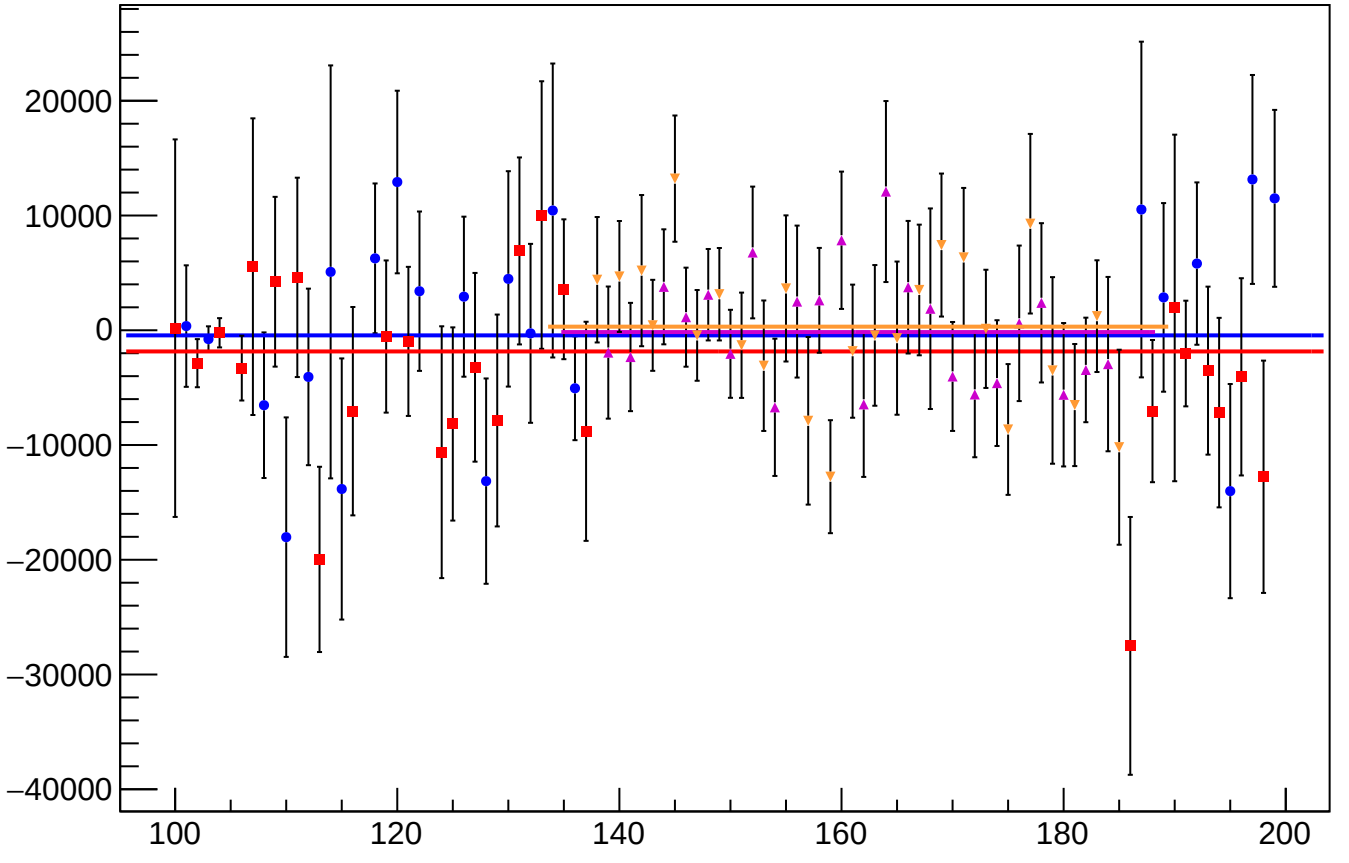
Right: 1864.026+/-0.271 χ^2/NDF: 786162.6/48

In: 1754.027+/-0.228 χ^2/NDF:379998.2/44

Out: 1769.375+/-0.223 χ^2/NDF:704222.1/51

All: 1761.866+/-0.159 χ^2/NDF: 1086543.4/96

asym_atl1r2_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -445.293+/-929.145 χ^2/NDF: 22.3/21

Left Out: 314.051+/-1091.976 χ^2/NDF:27.0/24

Right Out: -1845.243+/-865.757 χ^2/NDF: 22.0/26

Left In: -157.968+/-1128.443 χ^2/NDF:14.7/22

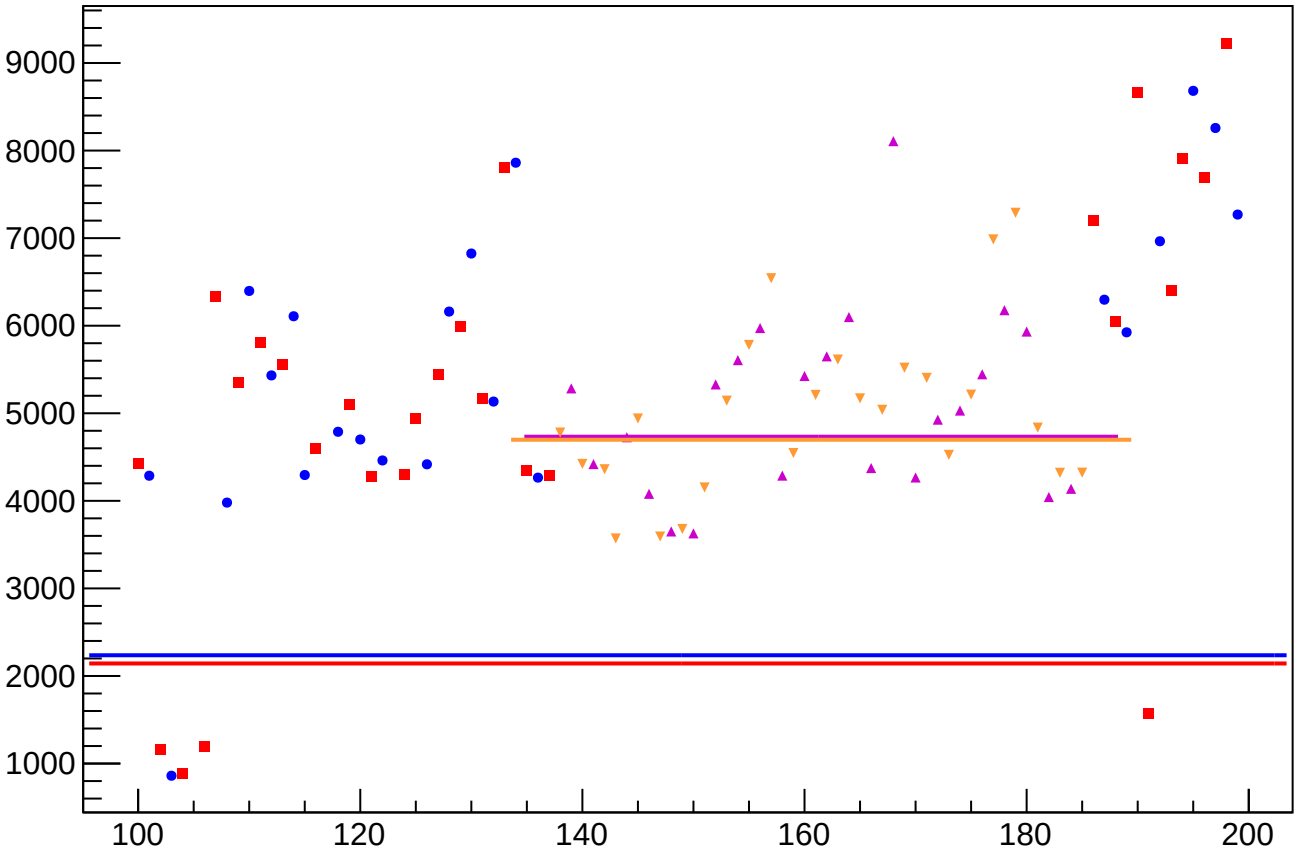
Left: 85.792+/-784.719 χ^2/NDF: 41.8/47

Right: -1194.647+/-633.407 χ^2/NDF: 45.5/48

In: -329.202+/-717.286 χ^2/NDF:37.0/44

Out: -1011.818+/-678.407 χ^2/NDF:51.4/51

All: -689.511+/-492.878 χ^2/NDF: 88.9/96



Right In: 2236.708+/-0.657 χ^2/NDF: 11276599.9/21

Left Out: 4697.622+/-0.772 χ^2/NDF:1239373.0/24

Right Out: 2142.927+/-0.612 χ^2/NDF: 11843837.8/26

Left In: 4732.424+/-0.798 χ^2/NDF:1242793.9/22

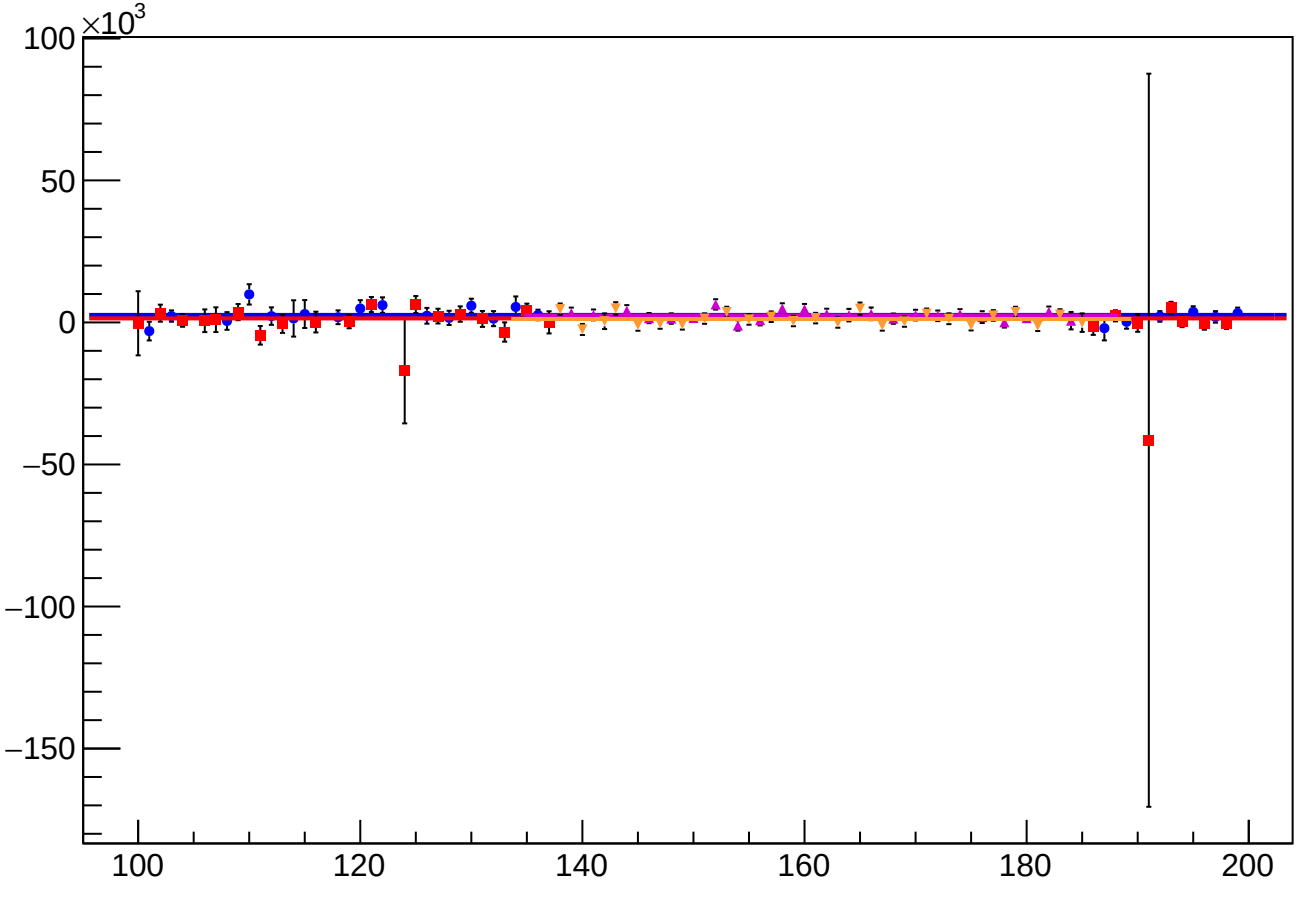
Left: 4714.452+/-0.555 χ^2/NDF: 2483149.3/47

Right: 2186.509+/-0.448 χ^2/NDF: 23131343.8/48

In: 3245.078+/-0.507 χ^2/NDF:18349518.0/44

Out: 3128.964+/-0.480 χ^2/NDF:19804786.8/51

All: 3183.789+/-0.349 χ^2/NDF: 38181968.3/9



Right In: 2648.175+/-547.072 χ^2/NDF: 15.4/21

Left Out: 1202.304+/-389.137 χ^2/NDF:26.3/24

Right Out: 1413.357+/-537.174 χ^2/NDF: 22.6/26

Left In: 2438.940+/-397.969 χ^2/NDF:17.5/22

Left: 1806.747+/-278.231 χ^2/NDF: 48.7/47

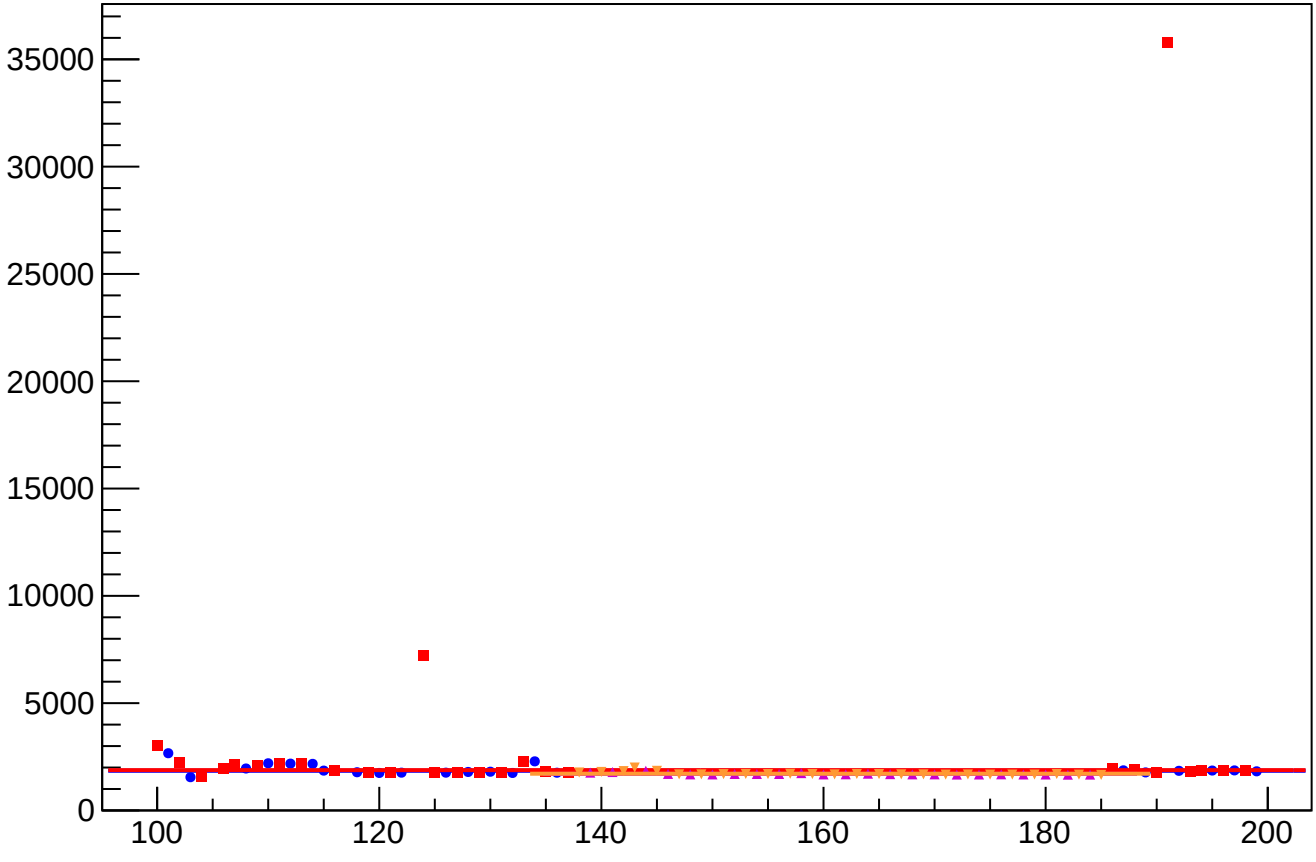
Right: 2019.495+/-383.291 χ^2/NDF: 40.6/48

In: 2511.347+/-321.824 χ^2/NDF:33.0/44

Out: 1274.941+/-315.137 χ^2/NDF:49.0/51

All: 1880.165+/-225.163 χ^2/NDF: 89.5/96

cor_asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 1848.622+/-0.387 χ^2/NDF: 265989.4/21

Left Out: 1711.777+/-0.275 χ^2/NDF:60068.7/24

Right Out: 1879.100+/-0.379 χ^2/NDF: 517350.8/26

Left In: 1703.969+/-0.281 χ^2/NDF:22568.8/22

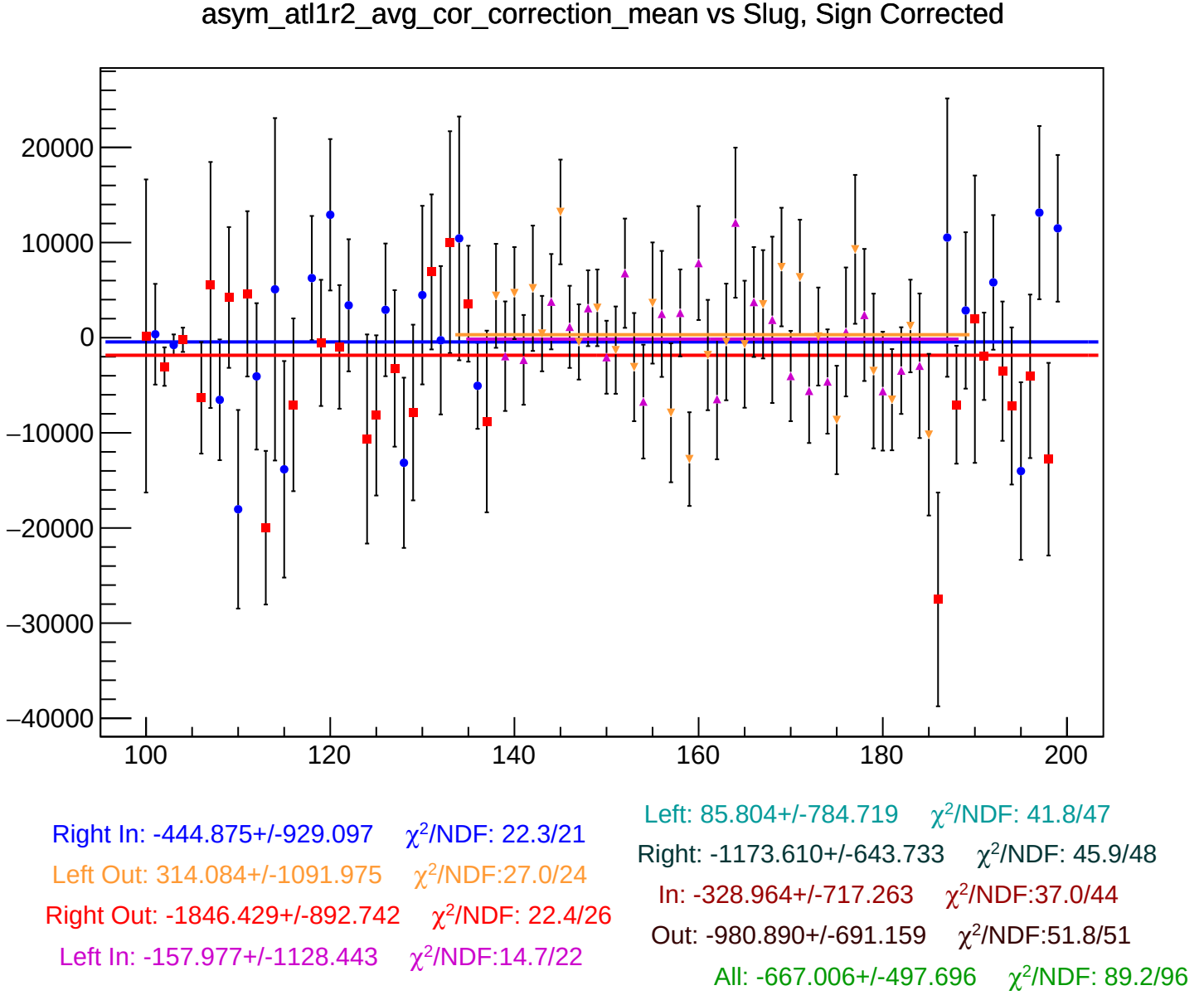
Left: 1707.960+/-0.197 χ^2/NDF: 83031.0/47

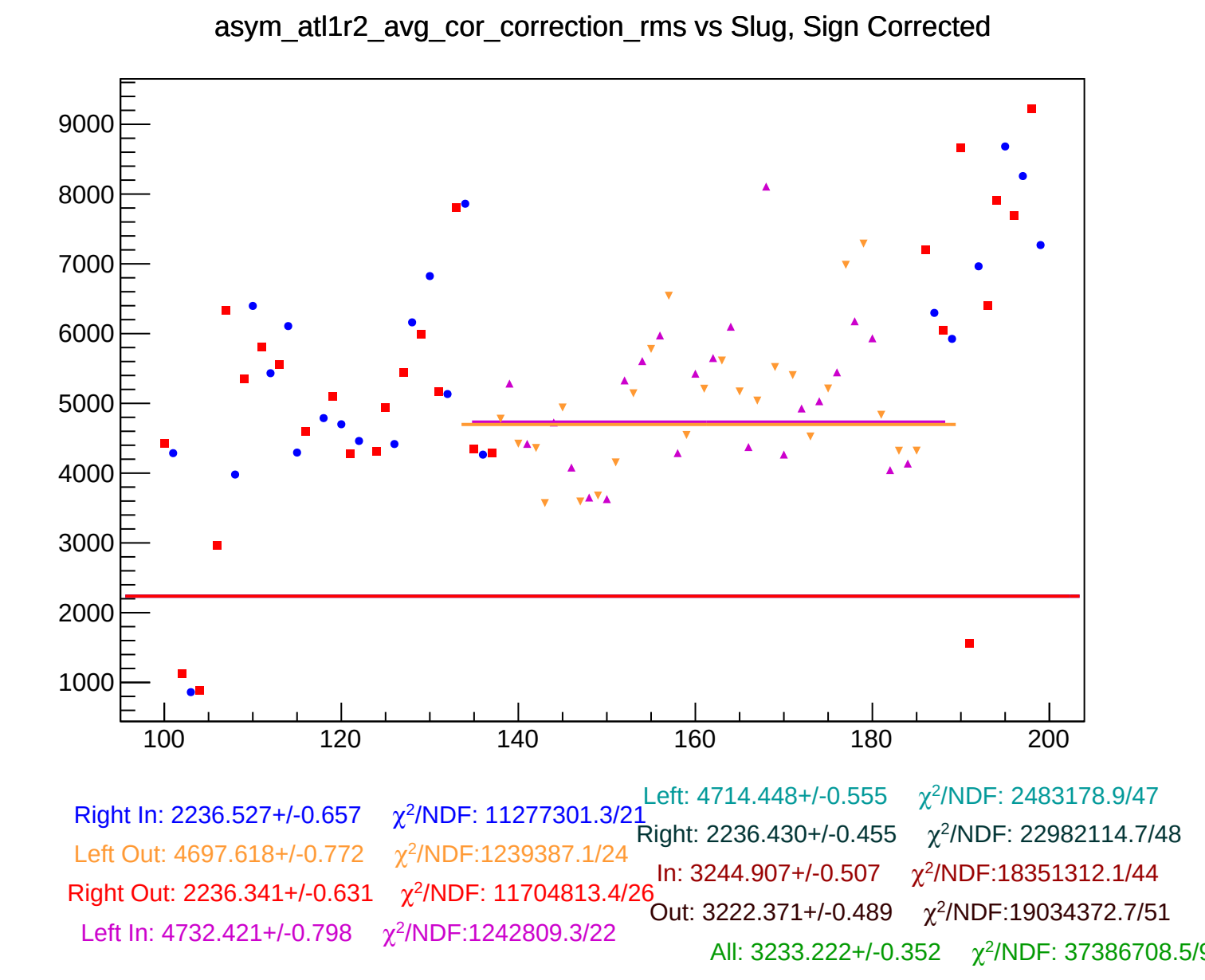
Right: 1864.158+/-0.271 χ^2/NDF: 786504.4/48

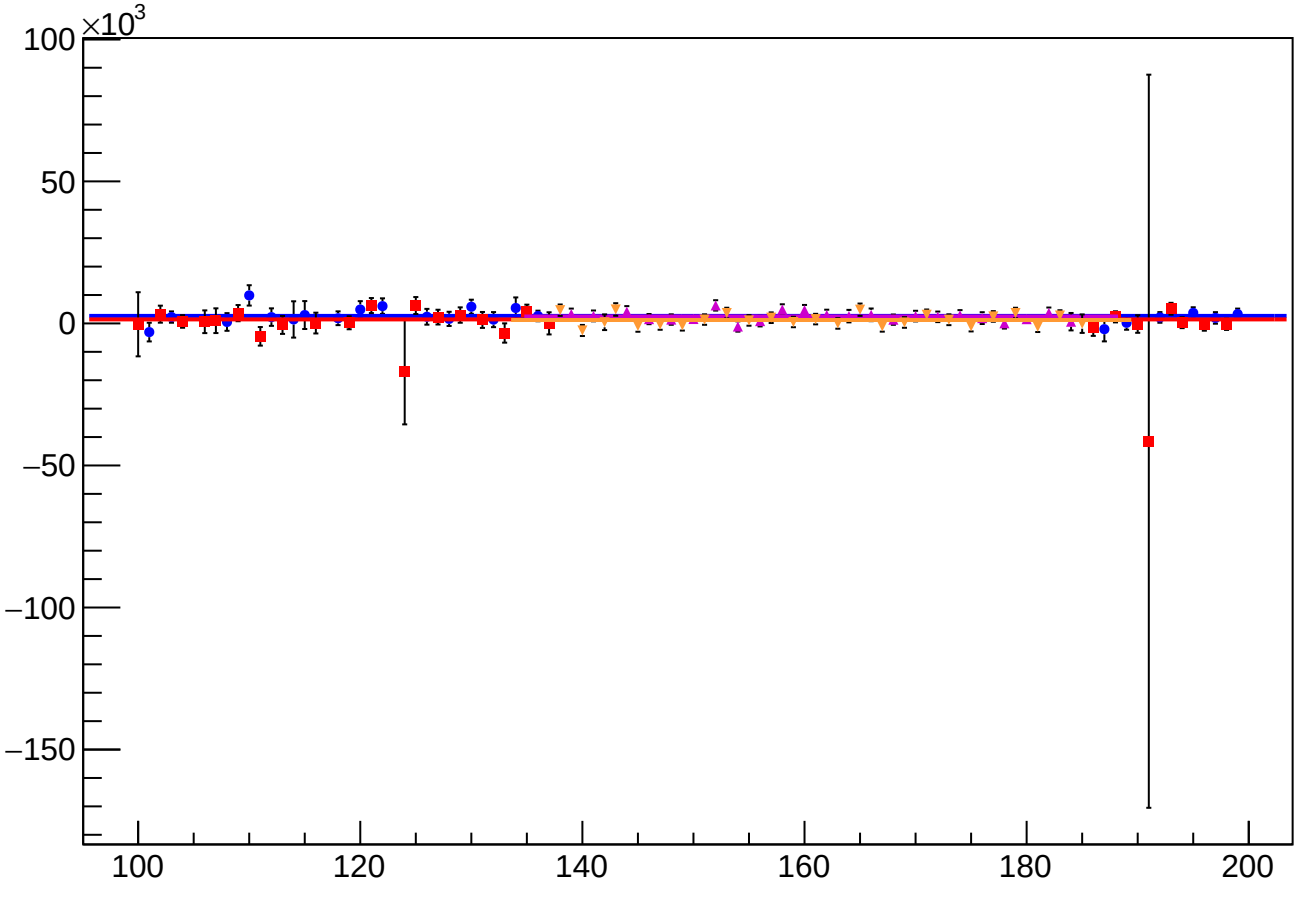
In: 1754.027+/-0.228 χ^2/NDF:379998.1/44

Out: 1769.455+/-0.223 χ^2/NDF:704887.1/51

All: 1761.907+/-0.159 χ^2/NDF: 1087232.6/96


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: -444.875+/-929.097 χ²/NDF: 22.3/21
Left Out: 314.084+/-1091.975 χ²/NDF:27.0/24
Right Out: -1846.429+/-892.742 χ²/NDF: 22.4/26
Left In: -157.977+/-1128.443 χ²/NDF:14.7/22
Left: 85.804+/-784.719 χ²/NDF: 41.8/47
Right: -1173.610+/-643.733 χ²/NDF: 45.9/48
In: -328.964+/-717.263 χ²/NDF:37.0/44
Out: -980.890+/-691.159 χ²/NDF:51.8/51
All: -667.006+/-497.696 χ²/NDF: 89.2/96


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: 2236.527+/-0.657 χ²/NDF: 11277301.3/21
Left Out: 4697.618+/-0.772 χ²/NDF:1239387.1/24
Right Out: 2236.341+/-0.631 χ²/NDF: 11704813.4/26
Left In: 4732.421+/-0.798 χ²/NDF:1242809.3/22
Left: 4714.448+/-0.555 χ²/NDF: 2483178.9/47
Right: 2236.430+/-0.455 χ²/NDF: 22982114.7/48
In: 3244.907+/-0.507 χ²/NDF:18351312.1/44
Out: 3222.371+/-0.489 χ²/NDF:19034372.7/51
All: 3233.222+/-0.352 χ²/NDF: 37386708.5/9



Right In: 2648.175+/-547.072 χ^2/NDF: 15.4/21

Left Out: 1202.304+/-389.137 χ^2/NDF:26.3/24

Right Out: 1413.357+/-537.174 χ^2/NDF: 22.6/26

Left In: 2438.940+/-397.969 χ^2/NDF:17.5/22

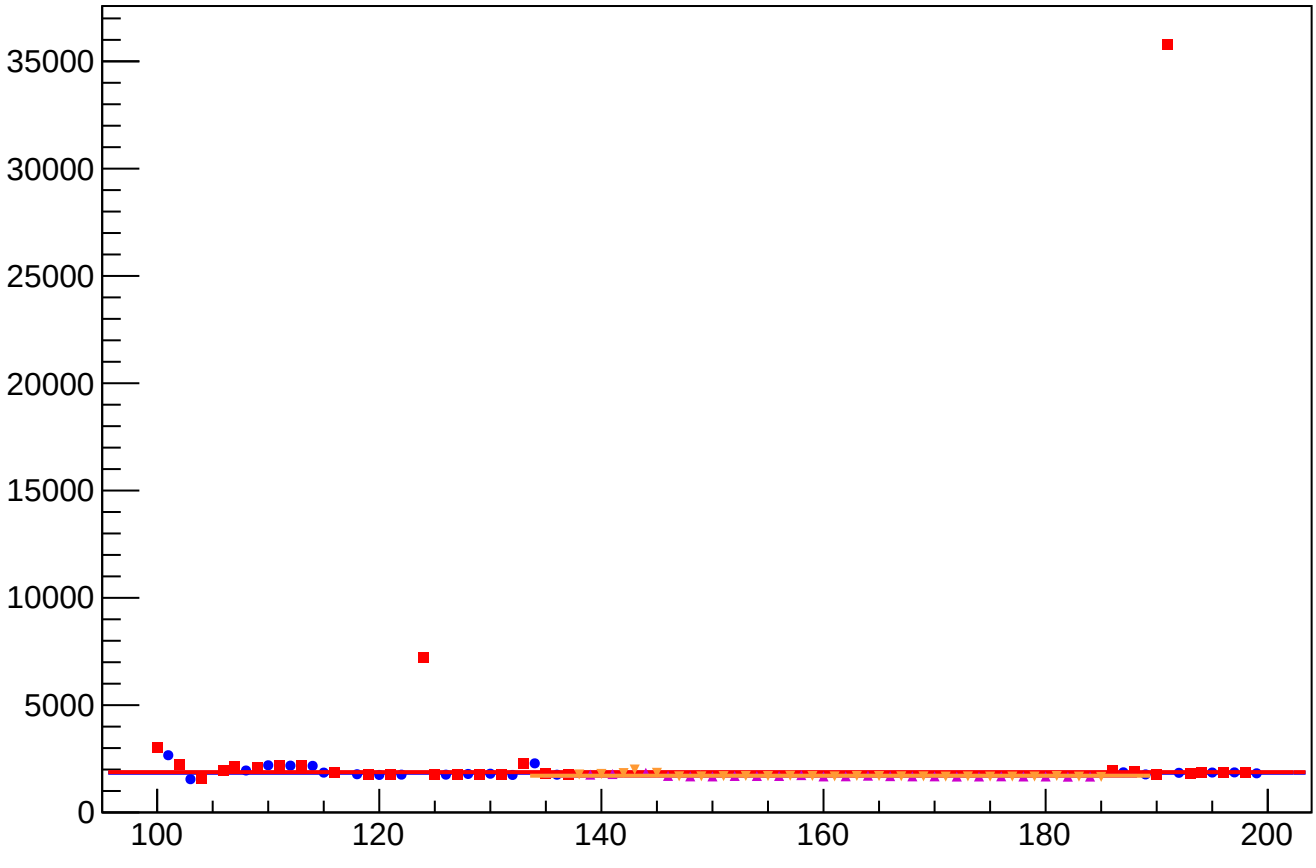
Left: 1806.747+/-278.231 χ^2/NDF: 48.7/47

Right: 2019.495+/-383.291 χ^2/NDF: 40.6/48

In: 2511.347+/-321.824 χ^2/NDF:33.0/44

Out: 1274.941+/-315.137 χ^2/NDF:49.0/51

All: 1880.165+/-225.163 χ^2/NDF: 89.5/96



Right In: 1848.622+/-0.387 χ^2/NDF: 265989.4/21

Left Out: 1711.777+/-0.275 χ^2/NDF:60068.7/24

Right Out: 1879.100+/-0.379 χ^2/NDF: 517350.8/26

Left In: 1703.969+/-0.281 χ^2/NDF:22568.8/22

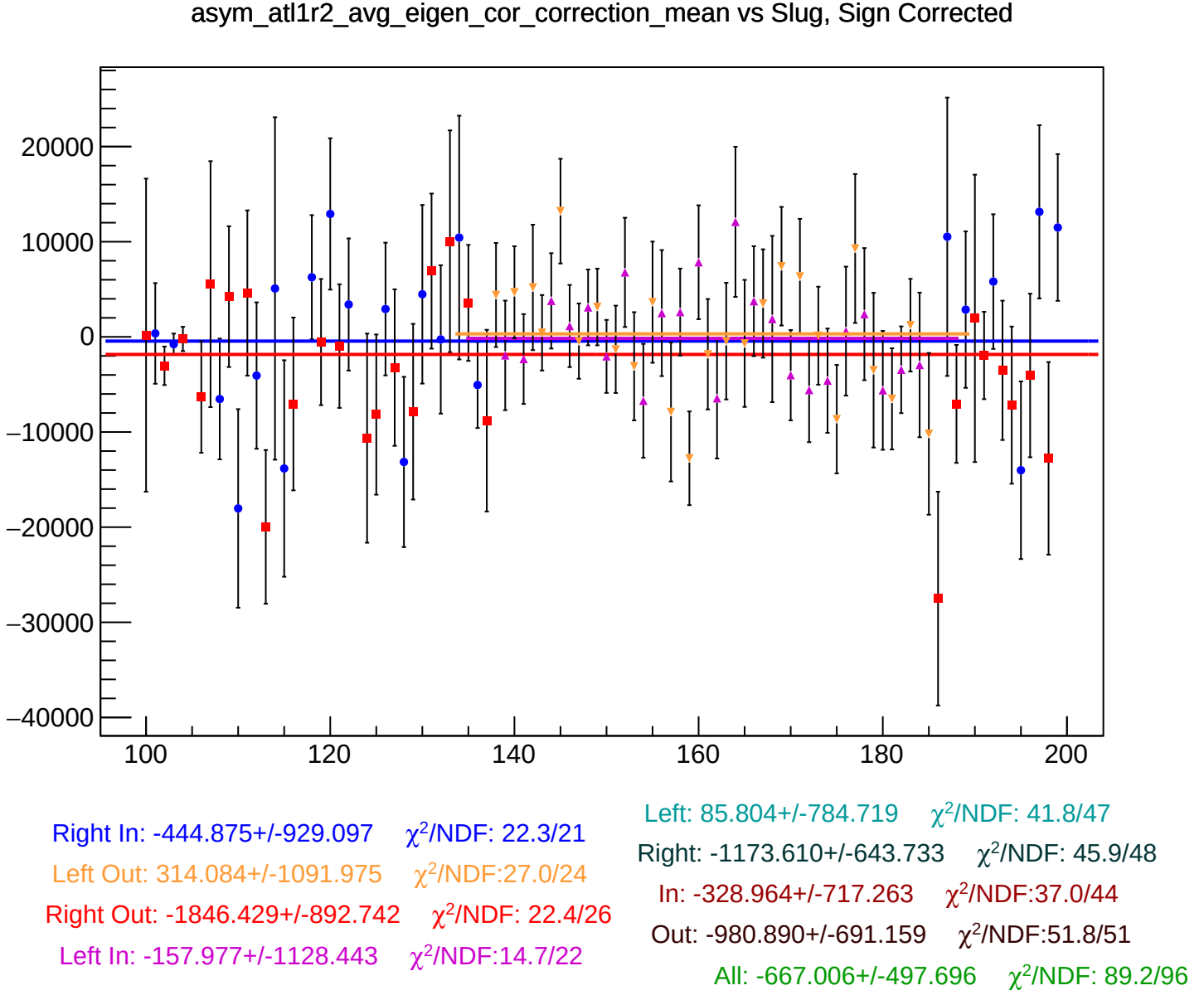
Left: 1707.960+/-0.197 χ^2/NDF: 83031.0/47

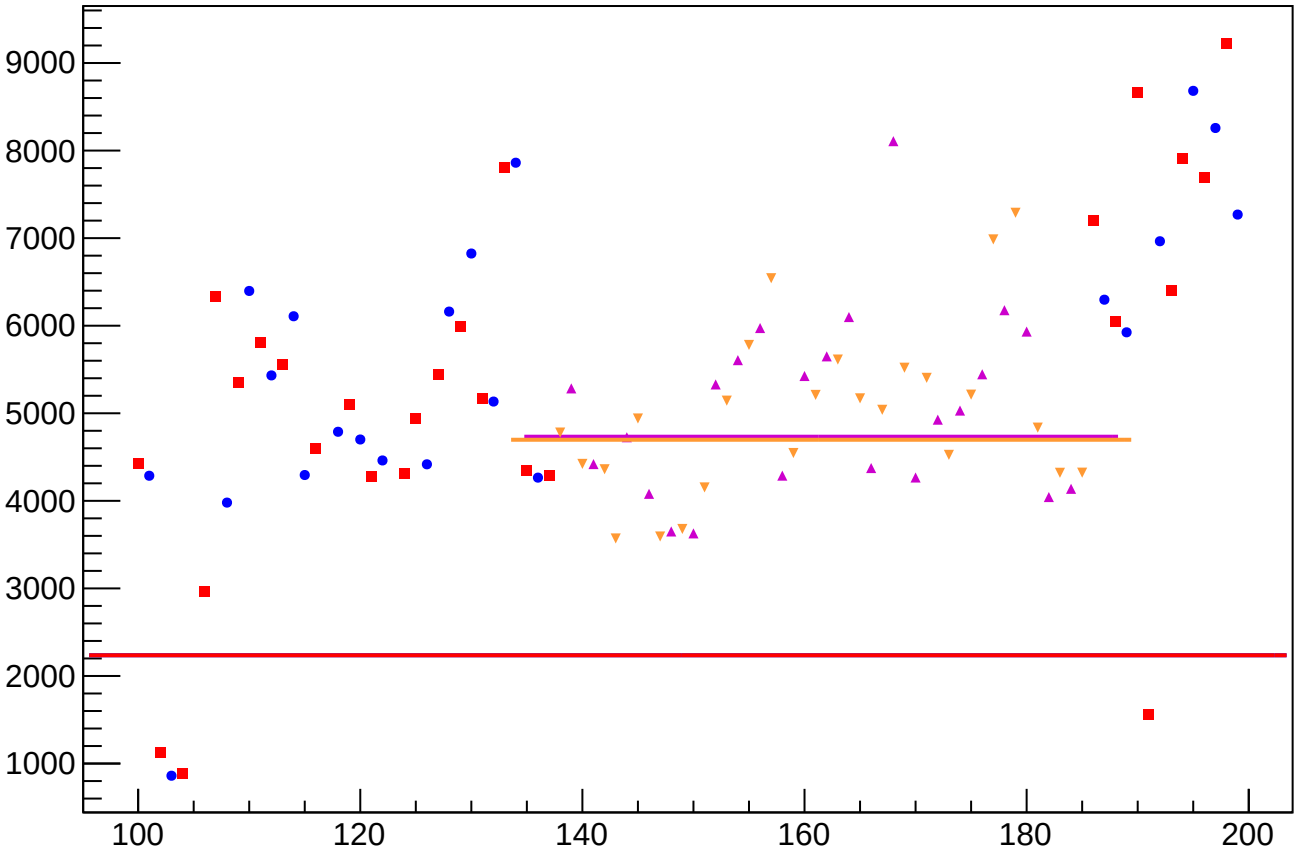
Right: 1864.158+/-0.271 χ^2/NDF: 786504.4/48

In: 1754.027+/-0.228 χ^2/NDF:379998.1/44

Out: 1769.455+/-0.223 χ^2/NDF:704887.1/51

All: 1761.907+/-0.159 χ^2/NDF: 1087232.6/96


asym_atl1r2_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
20000
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
Right In: -444.875+/-929.097 χ²/NDF: 22.3/21
Left Out: 314.084+/-1091.975 χ²/NDF:27.0/24
Right Out: -1846.429+/-892.742 χ²/NDF: 22.4/26
Left In: -157.977+/-1128.443 χ²/NDF:14.7/22
Left: 85.804+/-784.719 χ²/NDF: 41.8/47
Right: -1173.610+/-643.733 χ²/NDF: 45.9/48
In: -328.964+/-717.263 χ²/NDF:37.0/44
Out: -980.890+/-691.159 χ²/NDF:51.8/51
All: -667.006+/-497.696 χ²/NDF: 89.2/96



Right In: 2236.527+/-0.657 χ^2/NDF: 11277301.3/21

Left Out: 4697.618+/-0.772 χ^2/NDF:1239387.1/24

Right Out: 2236.341+/-0.631 χ^2/NDF: 11704813.4/26

Left In: 4732.421+/-0.798 χ^2/NDF:1242809.3/22

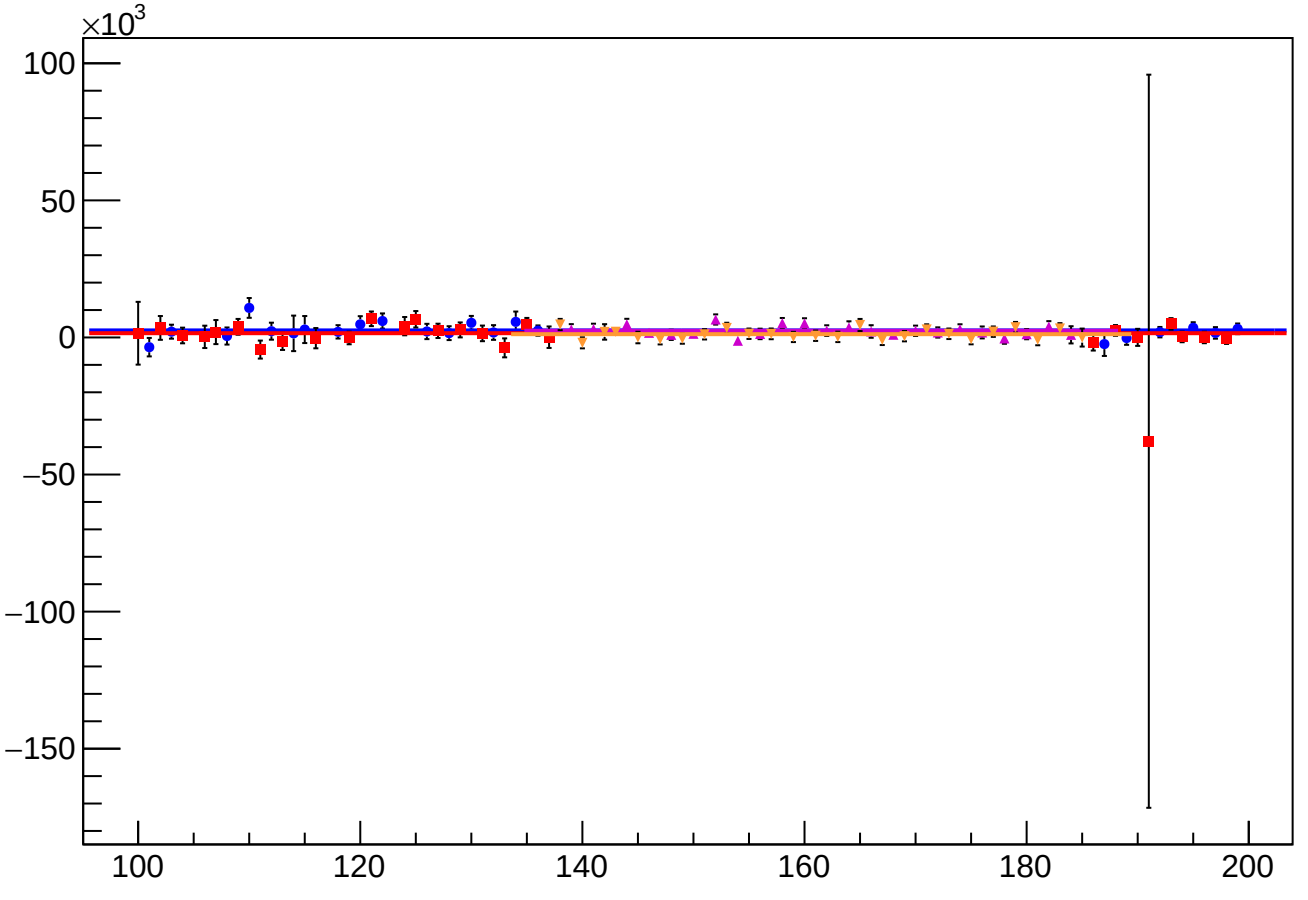
Left: 4714.448+/-0.555 χ^2/NDF: 2483178.9/47

Right: 2236.430+/-0.455 χ^2/NDF: 22982114.7/48

In: 3244.907+/-0.507 χ^2/NDF:18351312.1/44

Out: 3222.371+/-0.489 χ^2/NDF:19034372.7/51

All: 3233.222+/-0.352 χ^2/NDF: 37386708.5/9



Right In: 2566.381+/-562.047 χ^2/NDF: 16.4/21

Left Out: 1197.362+/-392.981 χ^2/NDF:19.5/24

Right Out: 1554.532+/-546.655 χ^2/NDF: 23.8/26

Left In: 2438.062+/-407.551 χ^2/NDF:20.6/22

Left: 1795.138+/-282.890 χ^2/NDF: 44.9/47

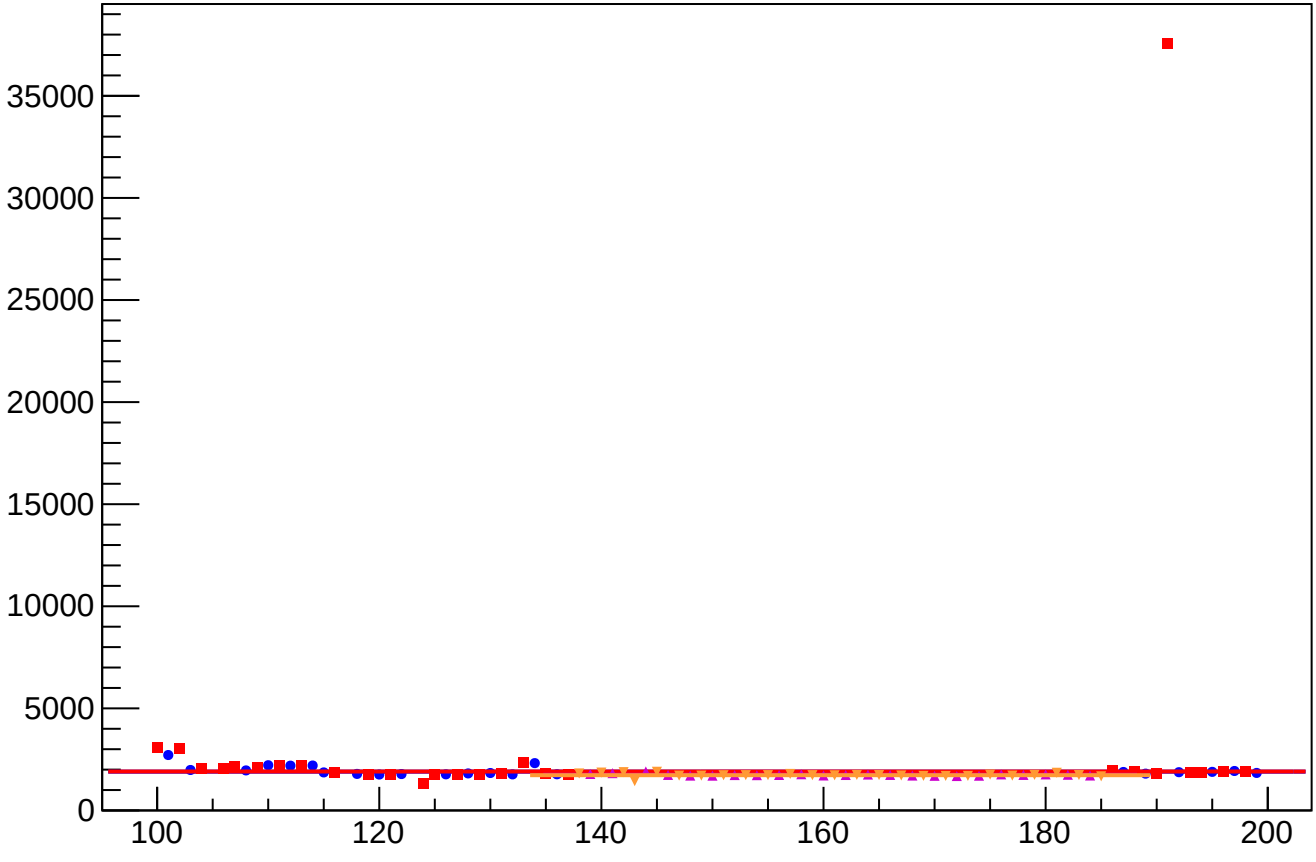
Right: 2046.412+/-391.872 χ^2/NDF: 41.9/48

In: 2482.282+/-329.939 χ^2/NDF:37.1/44

Out: 1319.055+/-319.087 χ^2/NDF:43.6/51

All: 1881.223+/-229.369 χ^2/NDF: 87.1/96

dit_asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 1900.199+/-0.397 χ^2/NDF: 222906.2/21

Left Out: 1727.235+/-0.278 χ^2/NDF:110270.9/24

Right Out: 1908.057+/-0.386 χ^2/NDF: 498095.2/26

Left In: 1744.633+/-0.288 χ^2/NDF:26798.0/22

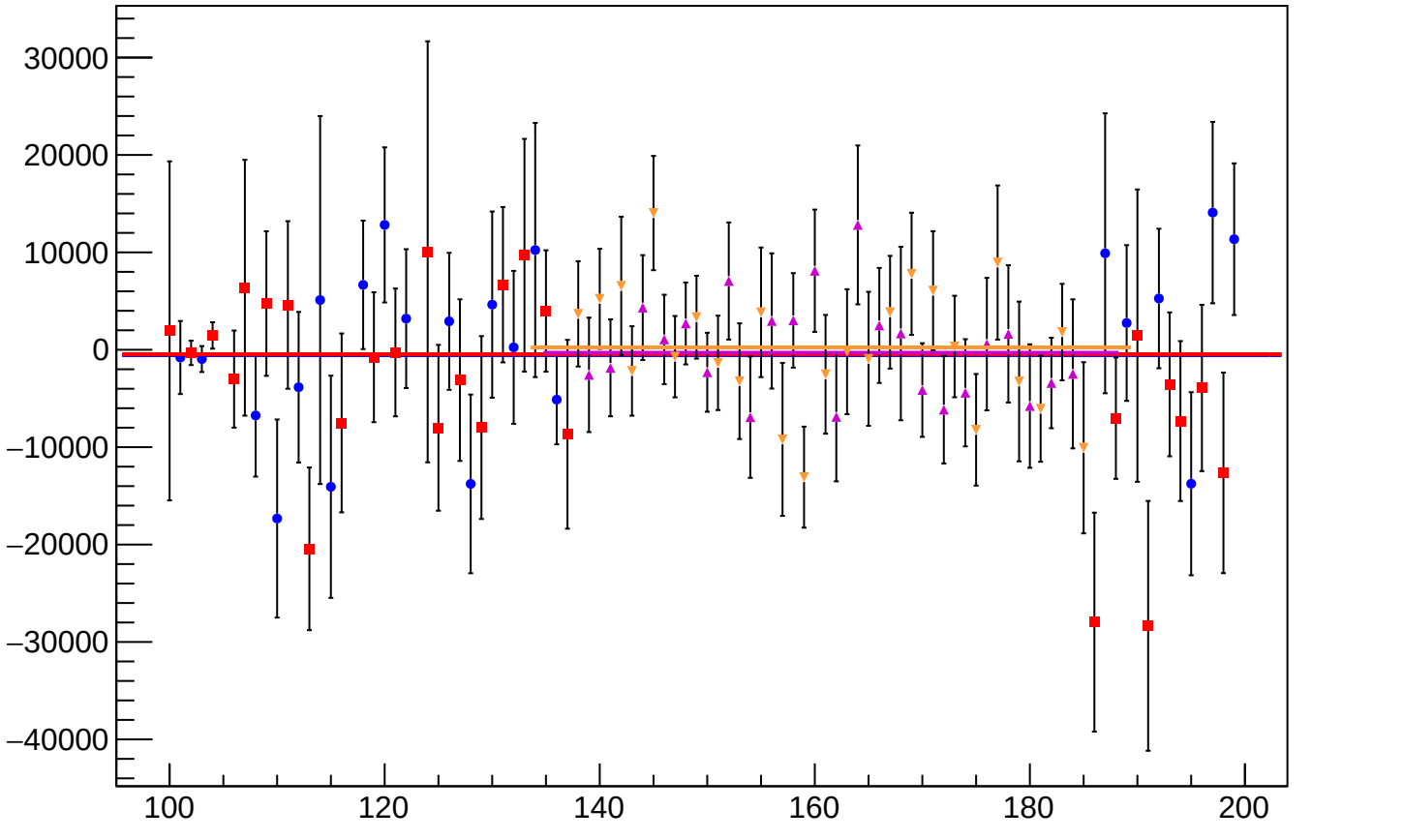
Left: 1735.617+/-0.200 χ^2/NDF: 138957.4/47

Right: 1904.239+/-0.277 χ^2/NDF: 721202.4/48

In: 1798.242+/-0.233 χ^2/NDF:350123.2/44

Out: 1788.882+/-0.226 χ^2/NDF:752727.3/51

All: 1793.405+/-0.162 χ^2/NDF: 1103682.2/96



Right In: -546.204+/-1026.591 χ^2/NDF: 22.2/21

Left Out: 241.131+/-1140.961 χ^2/NDF:26.7/24

Right Out: -453.591+/-807.777 χ^2/NDF: 28.5/26

Left In: -306.106+/-1171.019 χ^2/NDF:14.5/22

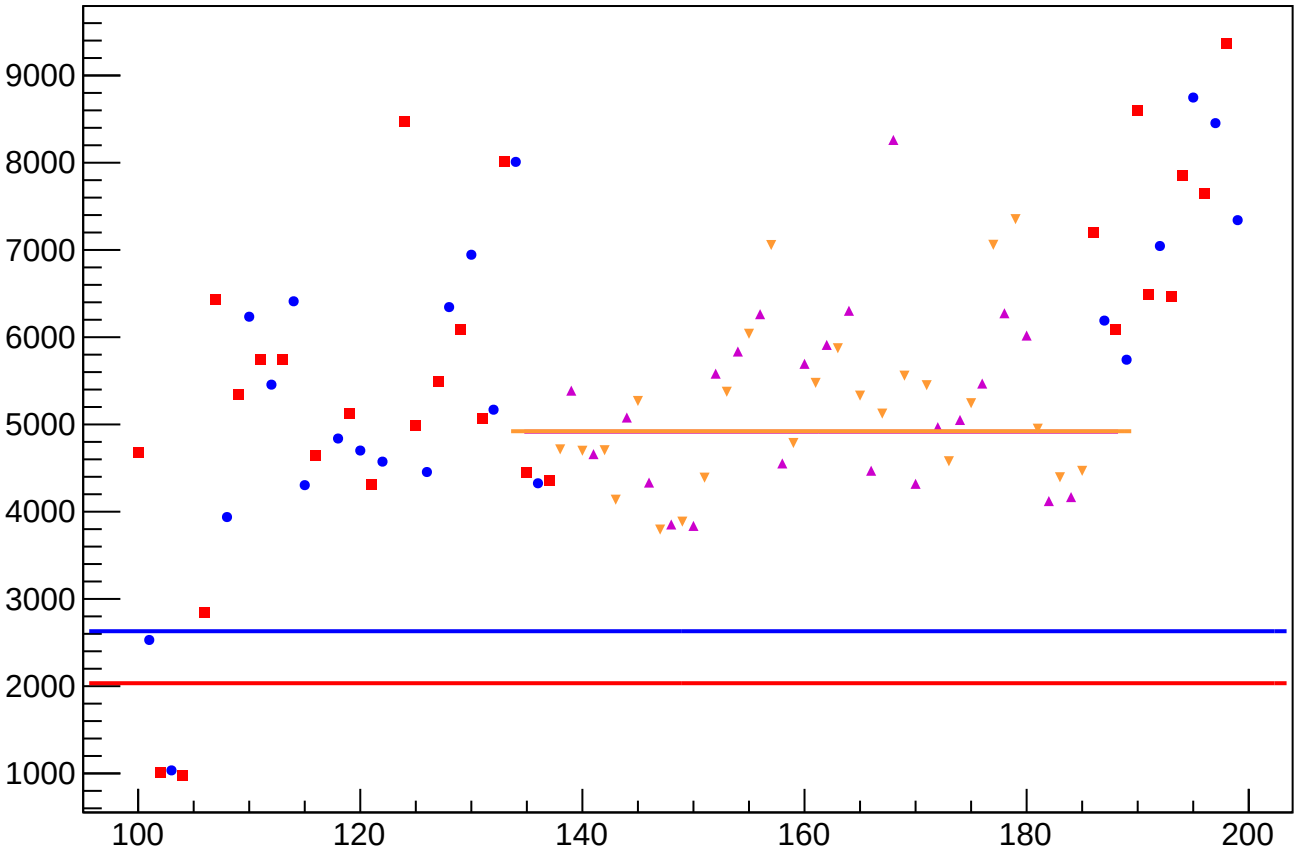
Left: -25.374+/-817.201 χ^2/NDF: 41.3/47

Right: -489.005+/-634.818 χ^2/NDF: 50.7/48

In: -441.866+/-771.951 χ^2/NDF:36.7/44

Out: -221.636+/-659.276 χ^2/NDF:55.5/51

All: -314.520+/-501.328 χ^2/NDF: 92.3/96



Right In: 2630.028+/-0.726 χ^2/NDF: 9355322.1/21

Left Out: 4922.380+/-0.807 χ^2/NDF:1050408.0/24

Right Out: 2034.023+/-0.571 χ^2/NDF: 12720628.0/26

Left In: 4916.964+/-0.828 χ^2/NDF:1161642.5/22

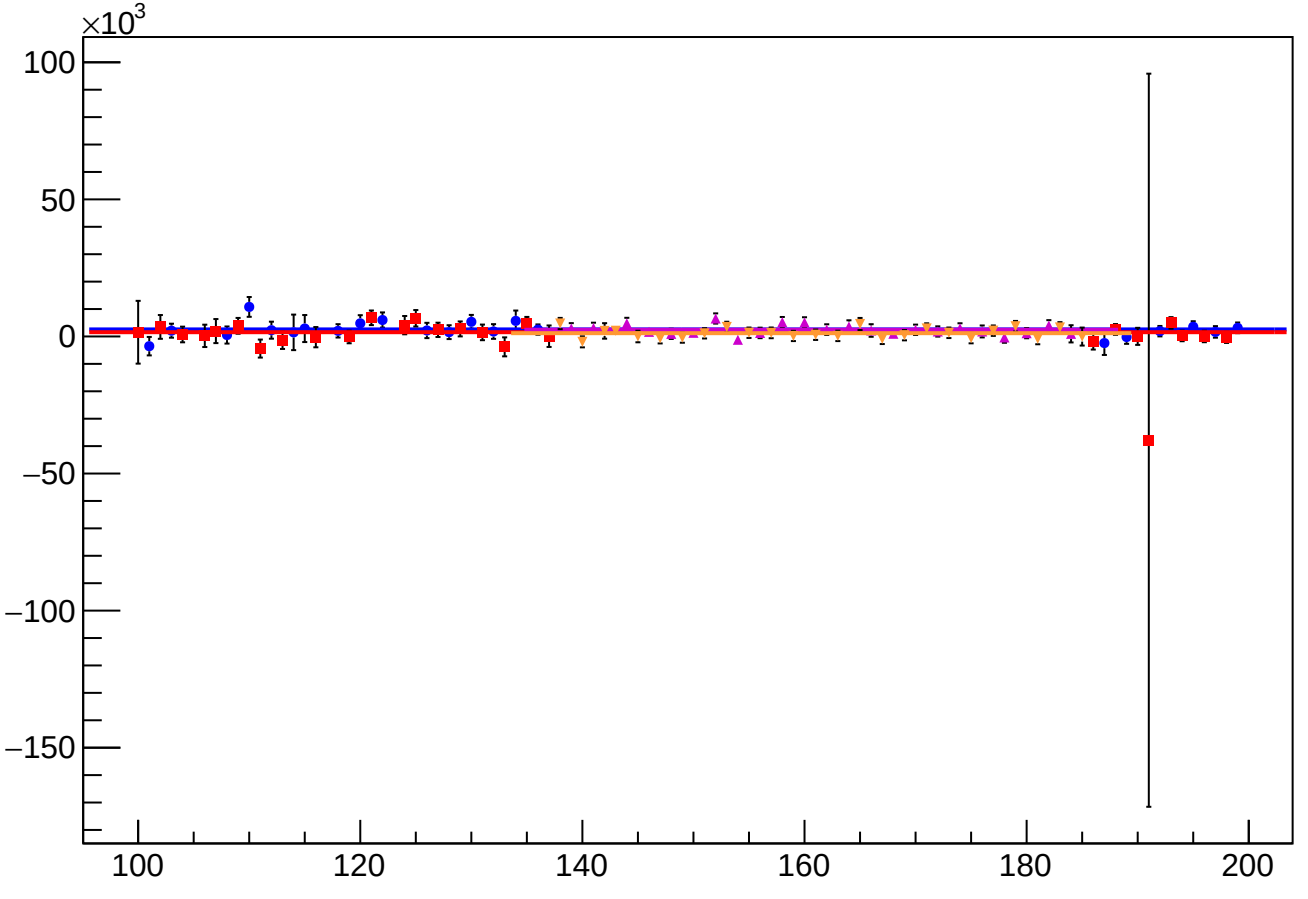
Left: 4919.742+/-0.578 χ^2/NDF: 2212072.5/47

Right: 2261.928+/-0.449 χ^2/NDF: 22492292.7/48

In: 3623.844+/-0.546 χ^2/NDF:14830119.0/44

Out: 2998.393+/-0.466 χ^2/NDF:22308749.9/51

All: 3262.183+/-0.354 χ^2/NDF: 37898051.3/9



Right In: 2566.381+/-562.047 χ^2/NDF: 16.4/21

Left Out: 1197.356+/-392.981 χ^2/NDF:19.5/24

Right Out: 1554.533+/-546.655 χ^2/NDF: 23.8/26

Left In: 2438.062+/-407.552 χ^2/NDF:20.6/22

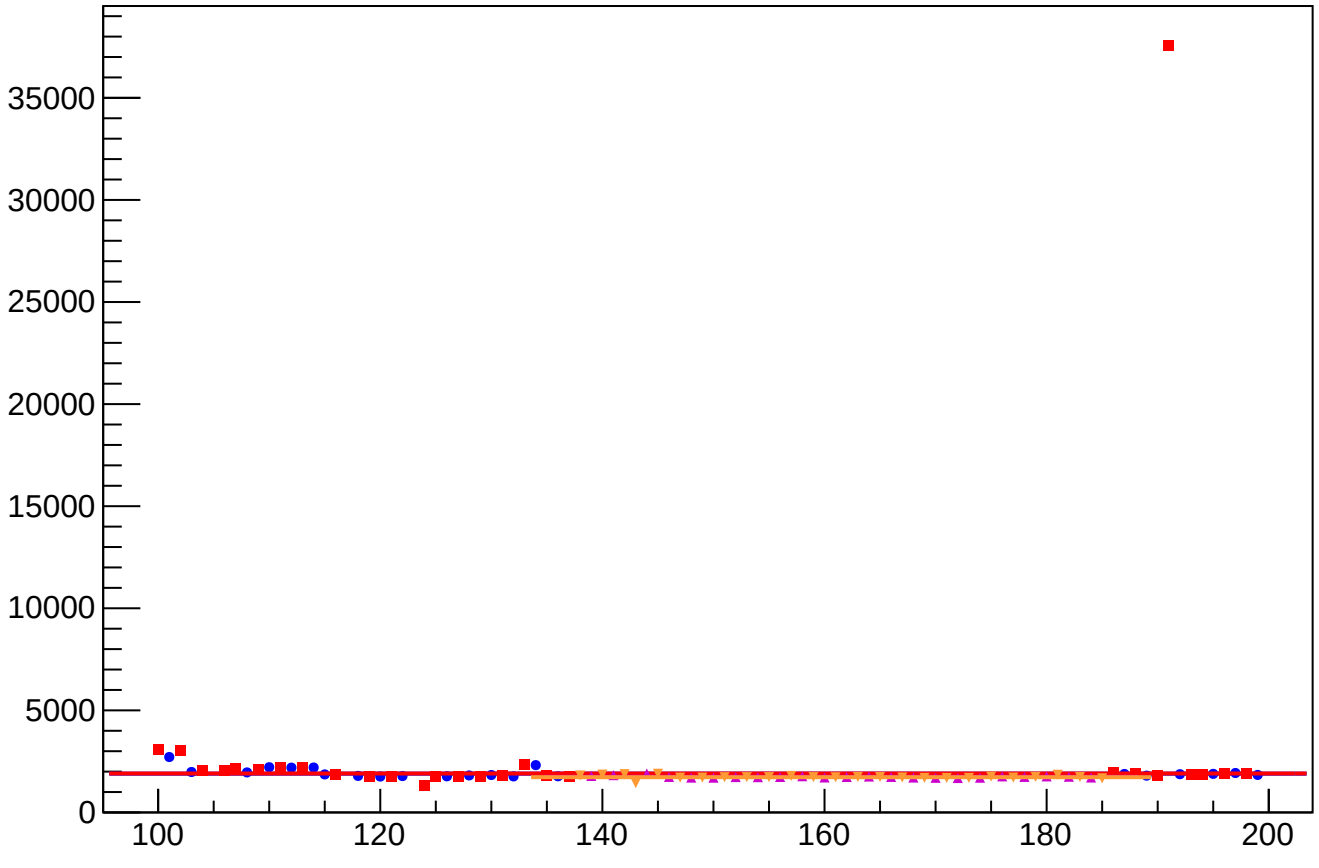
Left: 1795.135+/-282.891 χ^2/NDF: 44.9/47

Right: 2046.413+/-391.872 χ^2/NDF: 41.9/48

In: 2482.282+/-329.939 χ^2/NDF:37.1/44

Out: 1319.051+/-319.087 χ^2/NDF:43.6/51

All: 1881.222+/-229.369 χ^2/NDF: 87.1/96



Right In: 1900.198+/-0.397 χ^2/NDF: 222906.3/21

Left Out: 1727.236+/-0.278 χ^2/NDF:110269.9/24

Right Out: 1908.057+/-0.386 χ^2/NDF: 498094.1/26

Left In: 1744.633+/-0.288 χ^2/NDF:26798.0/22

Left: 1735.618+/-0.200 χ^2/NDF: 138956.4/47

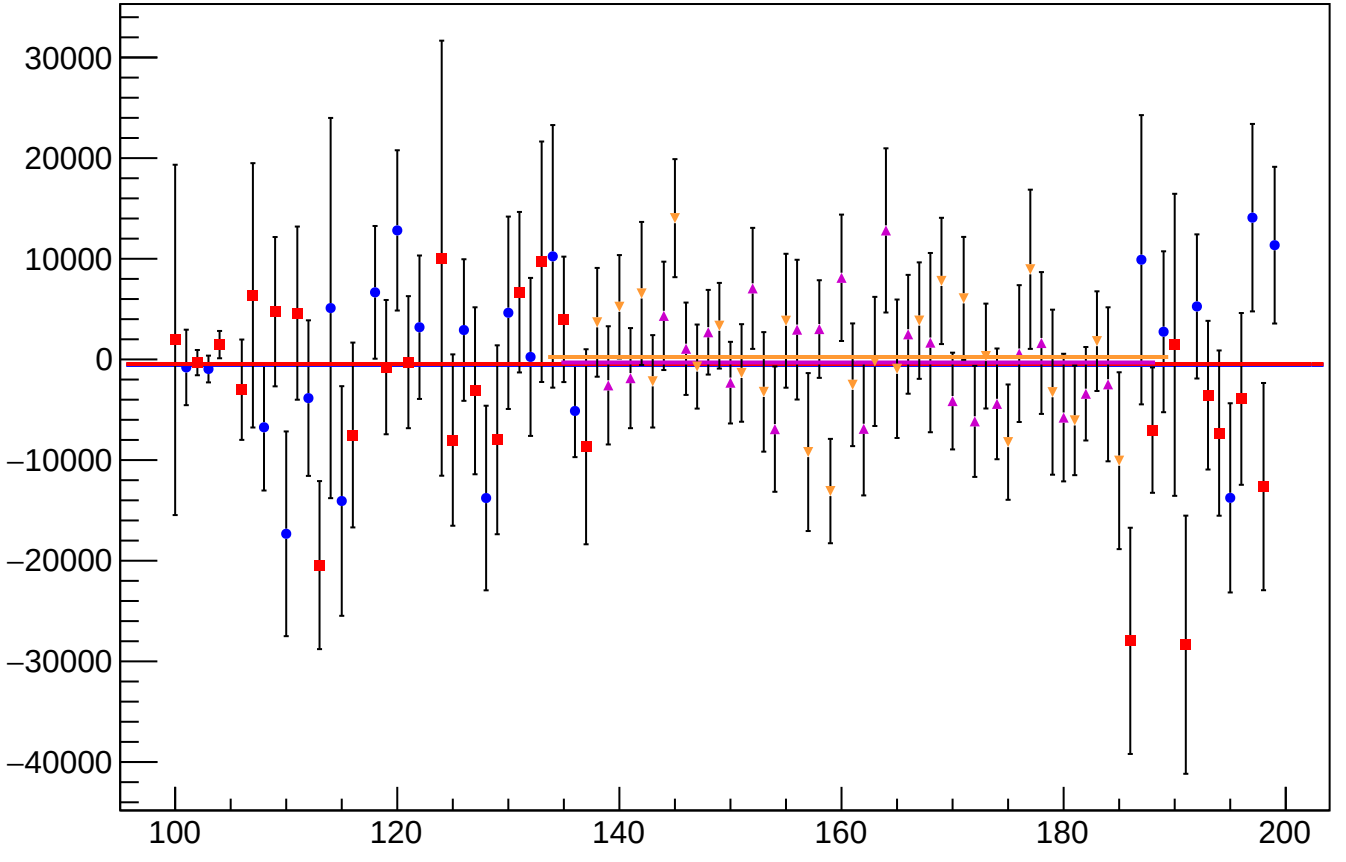
Right: 1904.238+/-0.277 χ^2/NDF: 721201.4/48

In: 1798.242+/-0.233 χ^2/NDF:350121.7/44

Out: 1788.882+/-0.226 χ^2/NDF:752723.5/51

All: 1793.405+/-0.162 χ^2/NDF: 1103676.8/96

asym_atl1r2_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -546.203+/-1026.591 χ^2/NDF: 22.2/21

Left Out: 241.128+/-1140.962 χ^2/NDF:26.7/24

Right Out: -453.596+/-807.777 χ^2/NDF: 28.5/26

Left In: -306.109+/-1171.021 χ^2/NDF:14.5/22

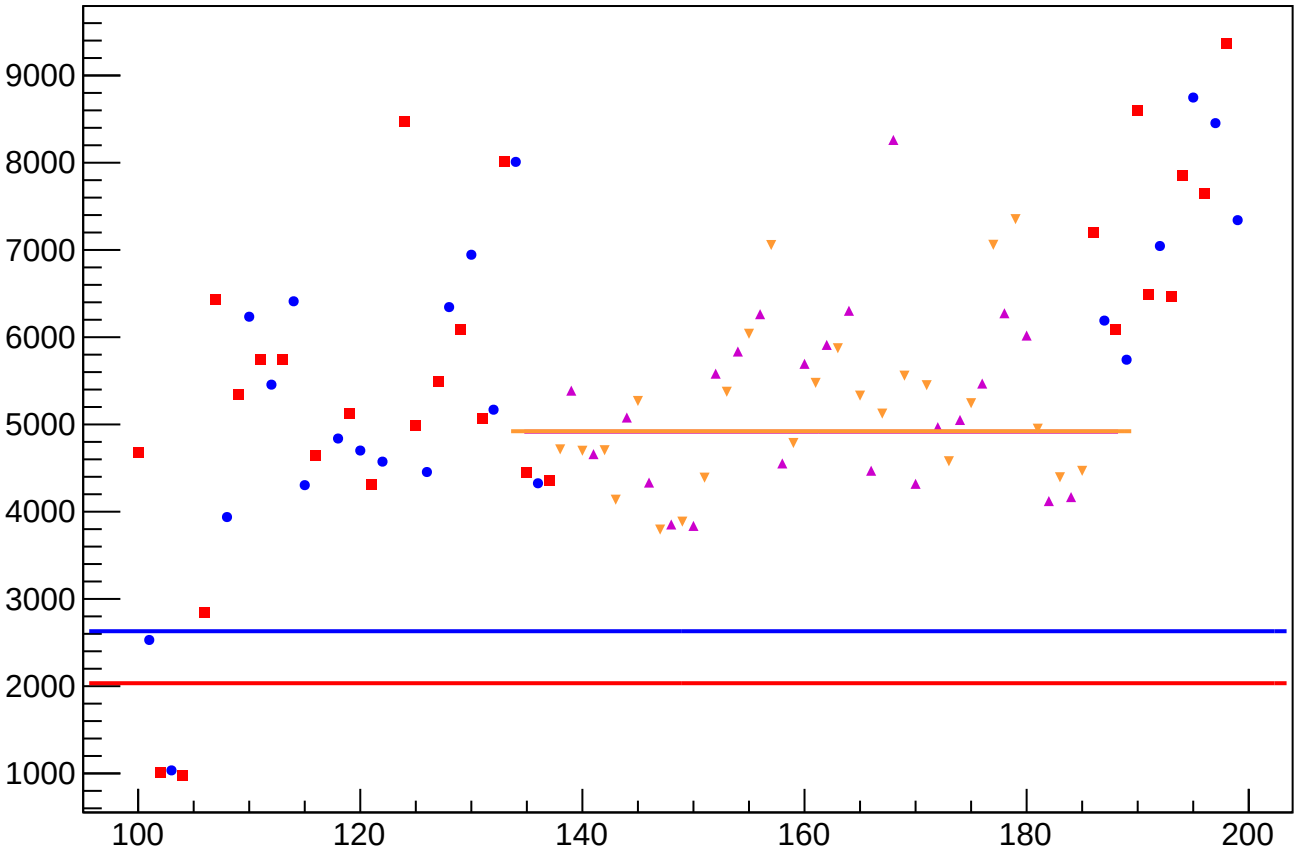
Left: -25.377+/-817.202 χ^2/NDF: 41.3/47

Right: -489.007+/-634.818 χ^2/NDF: 50.7/48

In: -441.867+/-771.952 χ^2/NDF:36.7/44

Out: -221.640+/-659.276 χ^2/NDF:55.5/51

All: -314.523+/-501.328 χ^2/NDF: 92.3/96



Right In: 2630.027+/-0.726 χ^2/NDF: 9355321.7/21

Left Out: 4922.388+/-0.807 χ^2/NDF:1050409.4/24

Right Out: 2034.023+/-0.571 χ^2/NDF: 12720622.4/26

Left In: 4916.972+/-0.828 χ^2/NDF:1161645.9/22

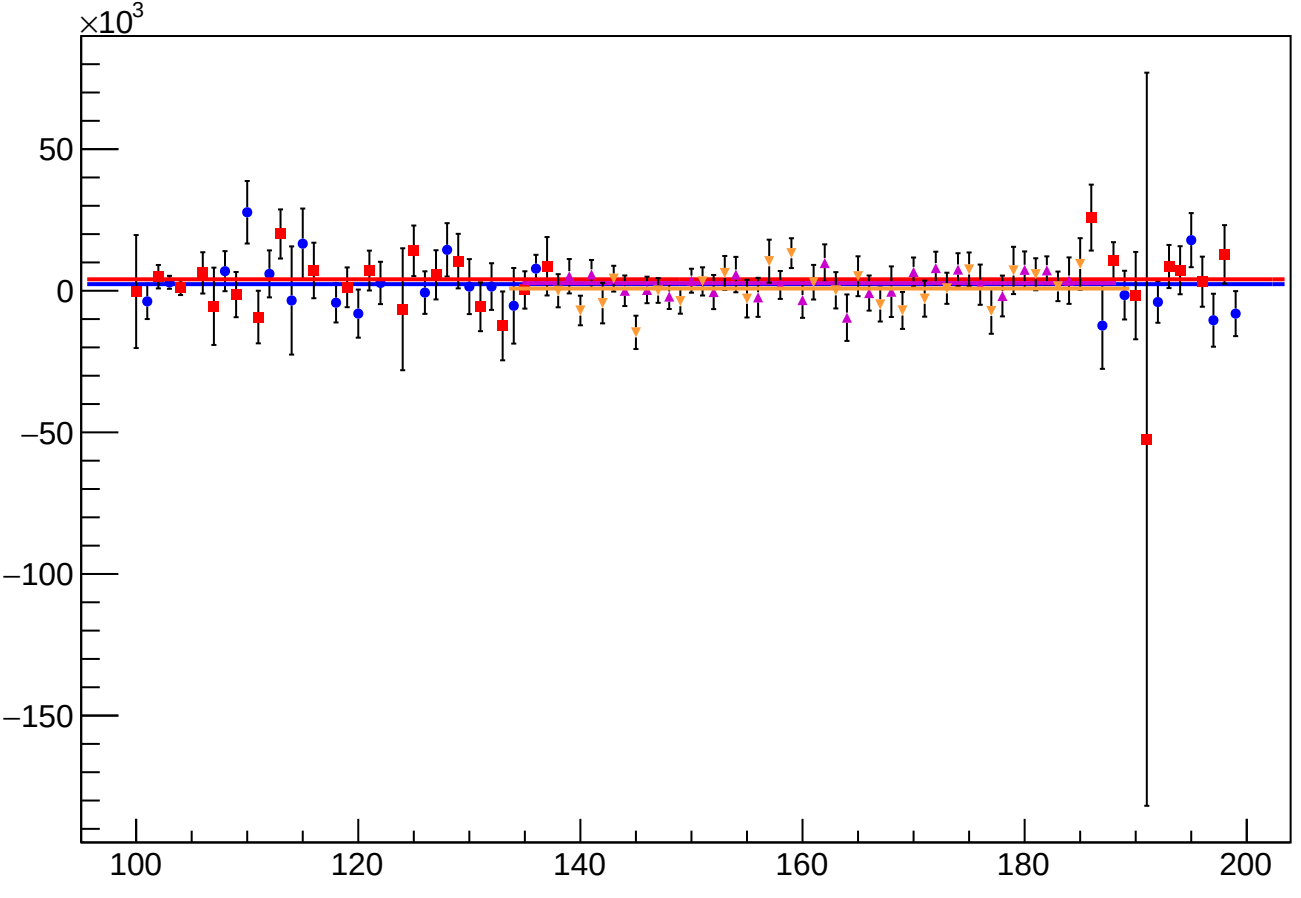
Left: 4919.750+/-0.578 χ^2/NDF: 2212077.2/47

Right: 2261.927+/-0.449 χ^2/NDF: 22492286.0/48

In: 3623.844+/-0.546 χ^2/NDF:14830150.9/44

Out: 2998.393+/-0.466 χ^2/NDF:22308782.0/51

All: 3262.182+/-0.354 χ^2/NDF: 37898116.4/9



Right In: 2332.089+/-1418.815 χ^2/NDF: 22.2/21

Left Out: 787.965+/-1171.964 χ^2/NDF:27.6/24

Right Out: 4044.509+/-1409.227 χ^2/NDF: 20.0/26

Left In: 2705.532+/-1206.281 χ^2/NDF:11.9/22

Left: 1719.085+/-840.574 χ^2/NDF: 40.8/47

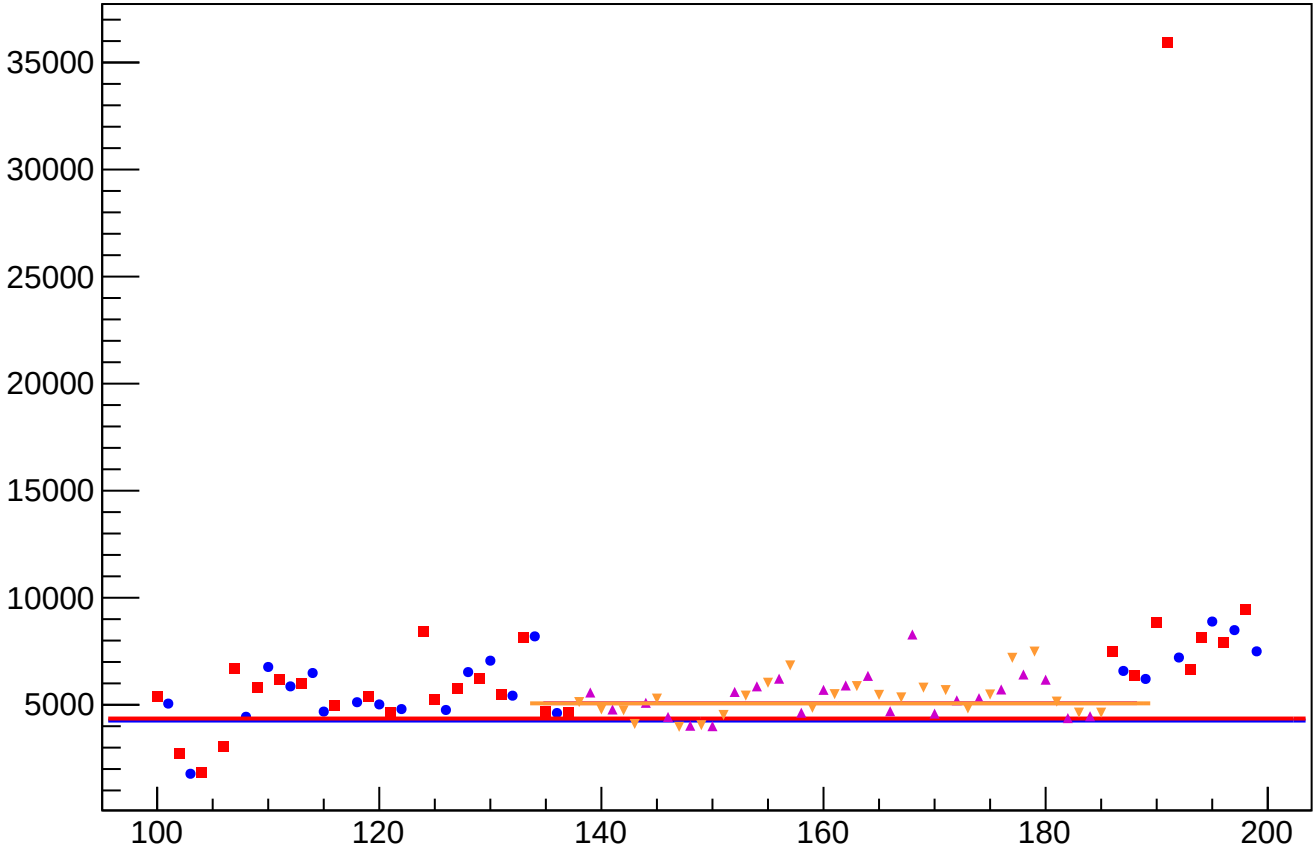
Right: 3194.104+/-999.846 χ^2/NDF: 43.0/48

In: 2548.849+/-919.021 χ^2/NDF:34.2/44

Out: 2119.404+/-901.079 χ^2/NDF:50.8/51

All: 2329.893+/-643.409 χ^2/NDF: 85.0/96

asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 4264.579+/-1.003 χ^2/NDF: 4840957.4/21

Left Out: 5067.898+/-0.829 χ^2/NDF:954253.8/24

Right Out: 4358.164+/-0.988 χ^2/NDF: 5057701.0/26

Left In: 5079.715+/-0.853 χ^2/NDF:1001241.5/22

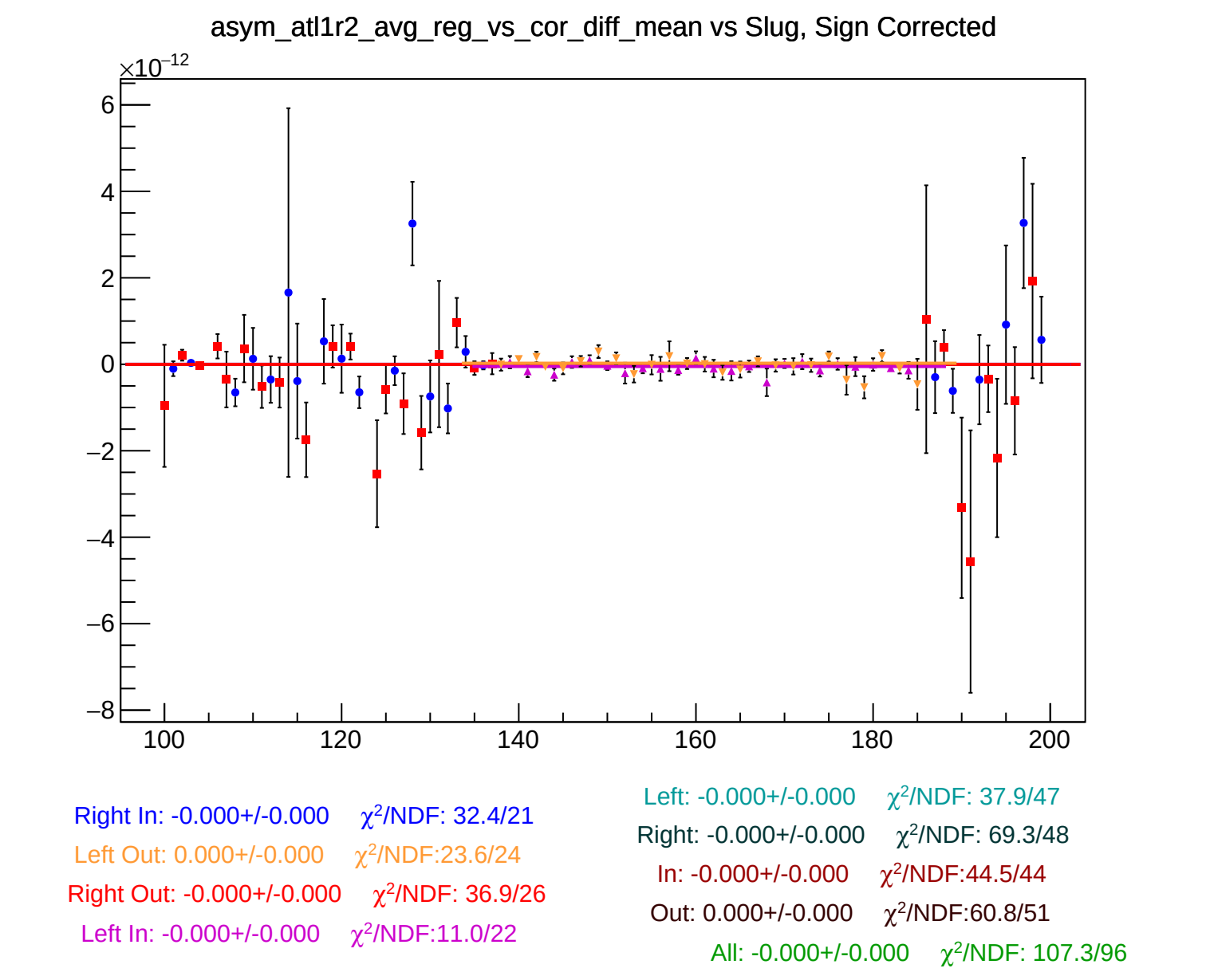
Left: 5073.636+/-0.594 χ^2/NDF: 1955594.0/47

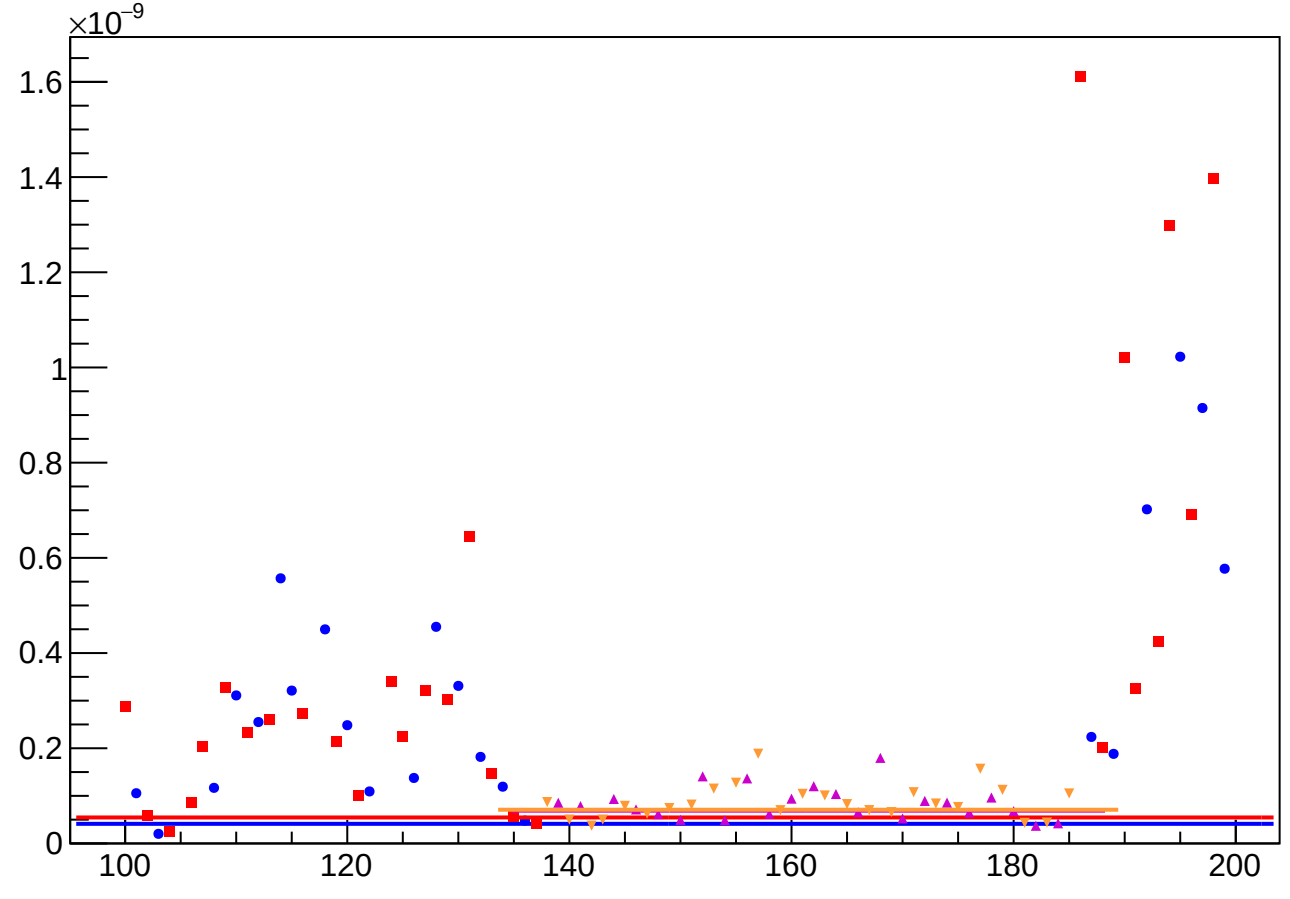
Right: 4312.077+/-0.704 χ^2/NDF: 9903074.7/48

In: 4737.712+/-0.650 χ^2/NDF:6225369.0/44

Out: 4774.875+/-0.635 χ^2/NDF:6314783.9/51

All: 4756.723+/-0.454 χ^2/NDF: 12541825.9/9


asym_atl1r2_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
6
4
2
0
−2
−4
−6
−8
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 32.4/21
Left Out: 0.000+/-0.000 χ²/NDF:23.6/24
Right Out: -0.000+/-0.000 χ²/NDF: 36.9/26
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: 69.3/48
In: -0.000+/-0.000 χ²/NDF:44.5/44
Out: 0.000+/-0.000 χ²/NDF:60.8/51
All: -0.000+/-0.000 χ²/NDF: 107.3/96



Right In: 0.000+/-0.000 χ^2/NDF: 6062394.0/21

Left Out: 0.000+/-0.000 χ^2/NDF:1489228.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6780888.8/26

Left In: 0.000+/-0.000 χ^2/NDF:1432116.0/22

Left: 0.000+/-0.000 χ^2/NDF: 2925873.0/47

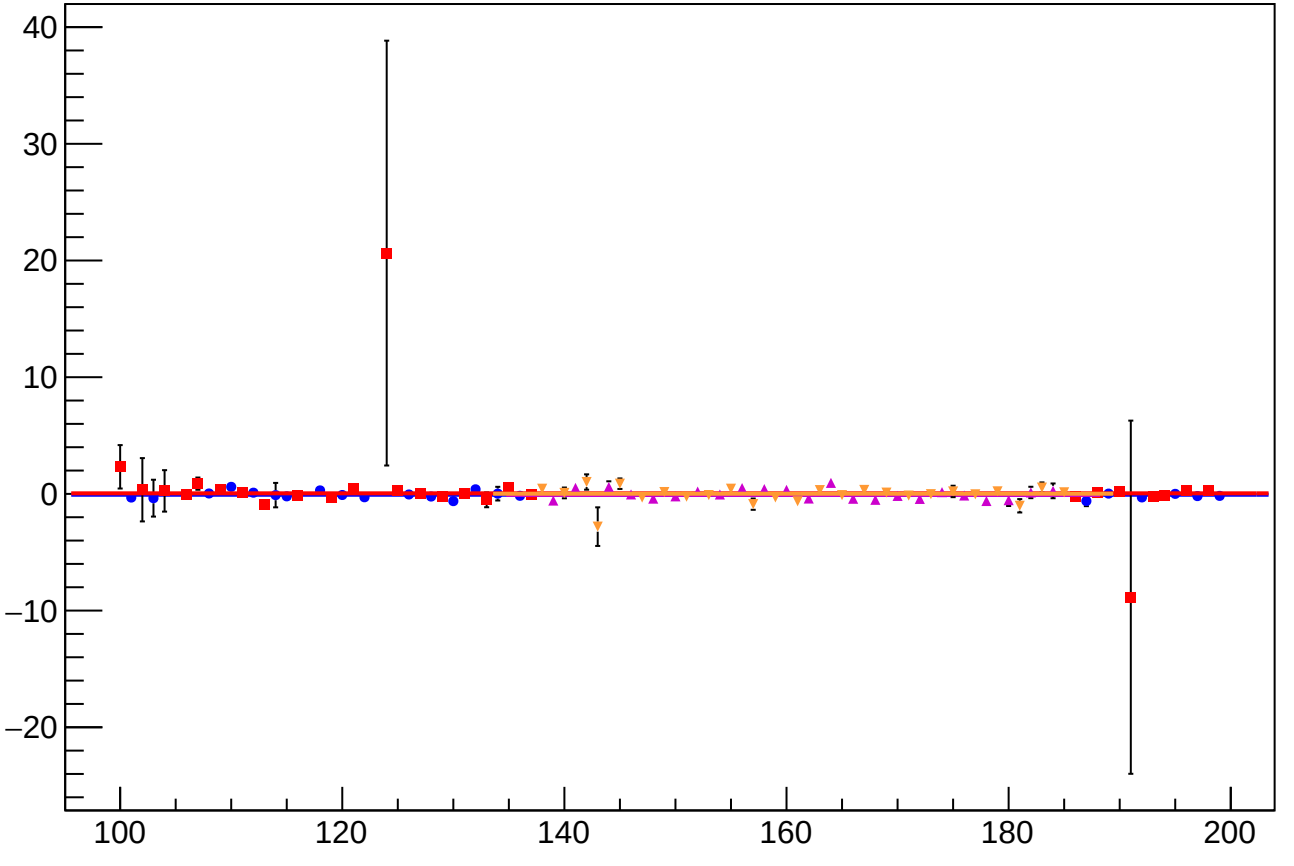
Right: 0.000+/-0.000 χ^2/NDF: 12952552.6/48

In: 0.000+/-0.000 χ^2/NDF:8199051.1/44

Out: 0.000+/-0.000 χ^2/NDF:8457741.9/51

All: 0.000+/-0.000 χ^2/NDF: 16777135.2/96

asym_atl1r2_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.075+/-0.066 χ^2/NDF: 14.4/21

Left Out: 0.014+/-0.070 χ^2/NDF:28.3/24

Right Out: 0.049+/-0.055 χ^2/NDF: 27.7/26

Left In: -0.091+/-0.070 χ^2/NDF:30.9/22

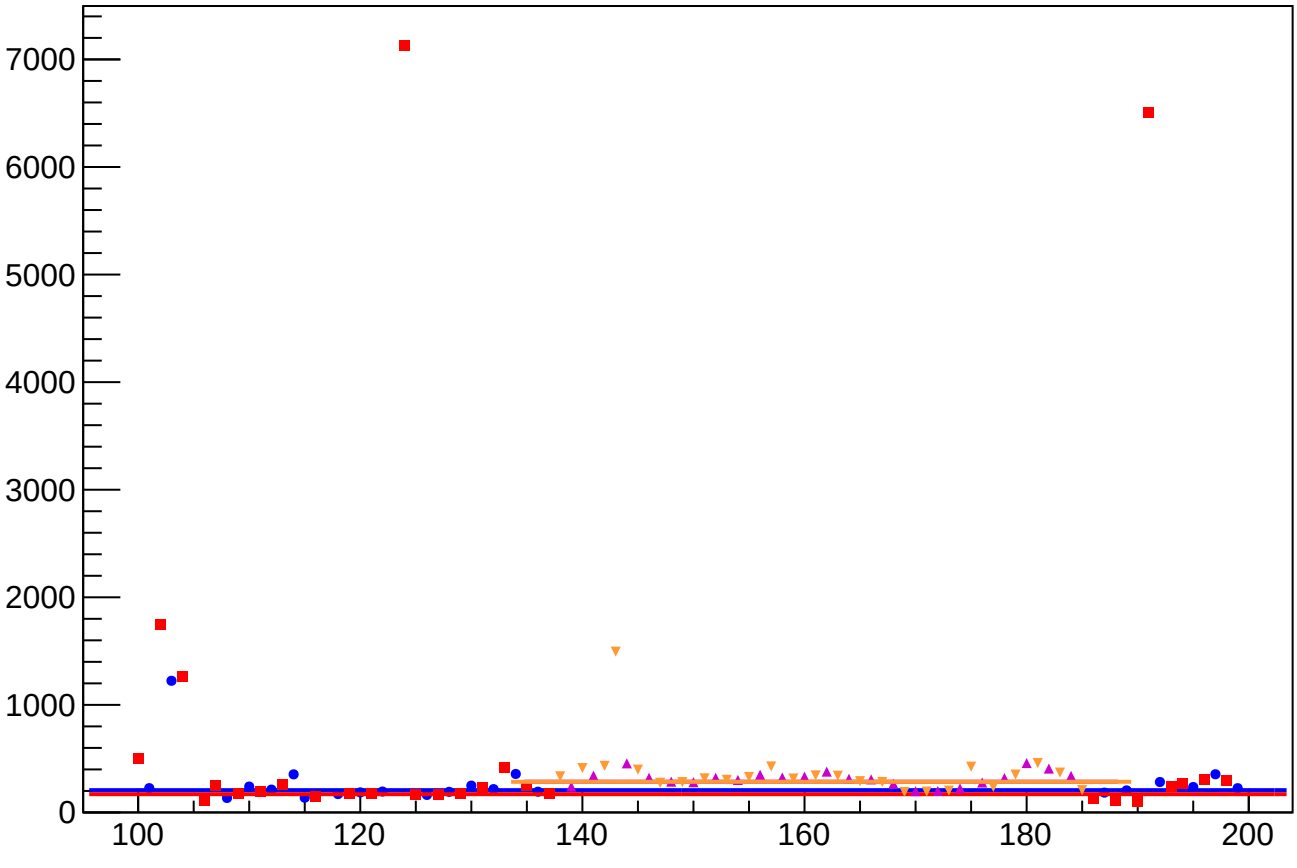
Left: -0.038+/-0.050 χ^2/NDF: 60.3/47

Right: -0.002+/-0.042 χ^2/NDF: 44.2/48

In: -0.082+/-0.048 χ^2/NDF:45.4/44

Out: 0.036+/-0.043 χ^2/NDF:56.1/51

All: -0.017+/-0.032 χ^2/NDF: 104.8/96



Right In: 207.317+/-0.047 χ^2/NDF: 1900608.4/21

Left Out: 285.036+/-0.049 χ^2/NDF:3407001.6/24

Right Out: 169.905+/-0.039 χ^2/NDF: 4686054.4/26

Left In: 285.869+/-0.050 χ^2/NDF:1744706.1/22

Left: 285.449+/-0.035 χ^2/NDF: 5151848.7/47

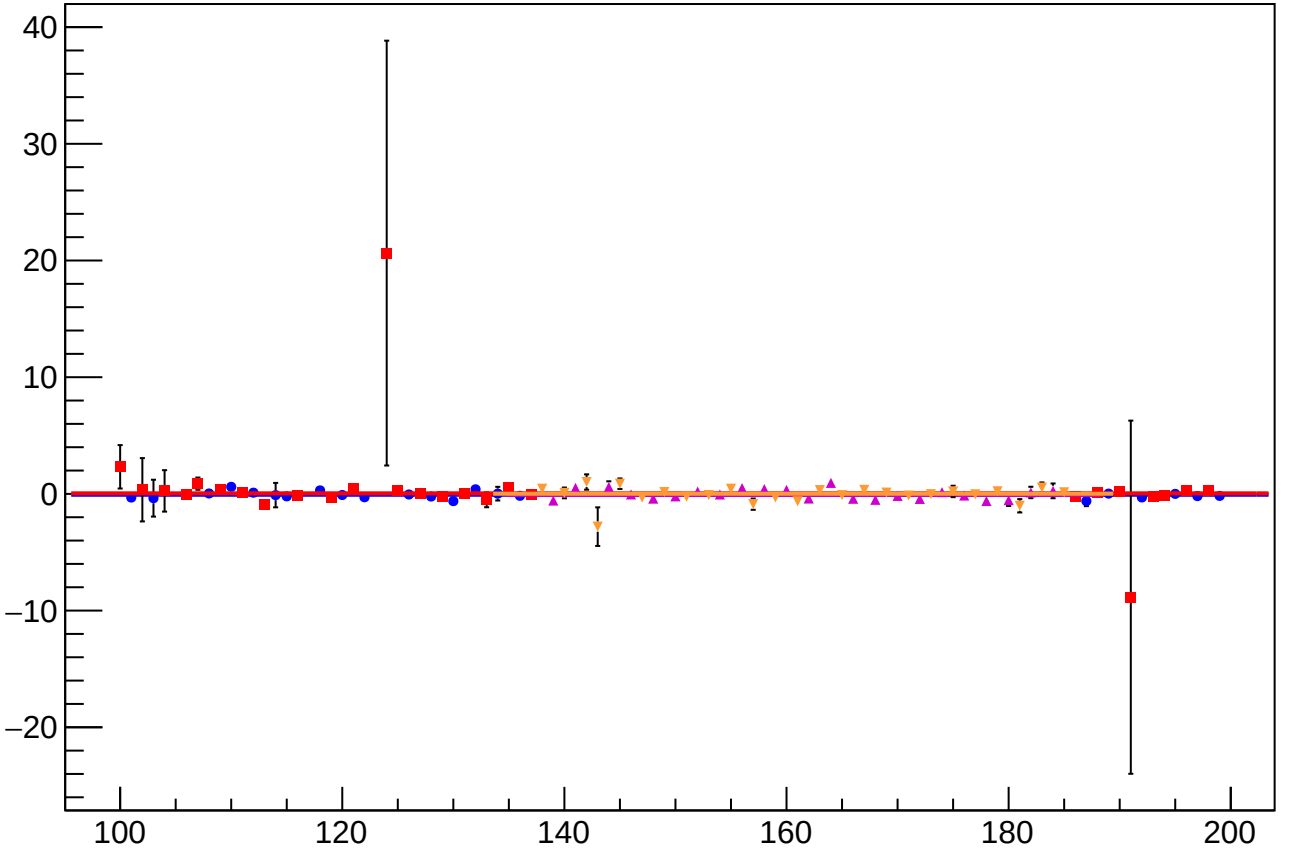
Right: 185.422+/-0.030 χ^2/NDF: 6963789.8/48

In: 243.998+/-0.034 χ^2/NDF:4971895.9/44

Out: 214.470+/-0.031 χ^2/NDF:11426197.8/51

All: 227.728+/-0.023 χ^2/NDF: 16813053.6/96

asym_atl1r2_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.075+/-0.066 χ^2/NDF: 14.4/21

Left Out: 0.014+/-0.070 χ^2/NDF:28.3/24

Right Out: 0.049+/-0.055 χ^2/NDF: 27.7/26

Left In: -0.091+/-0.070 χ^2/NDF:30.9/22

Left: -0.038+/-0.050 χ^2/NDF: 60.3/47

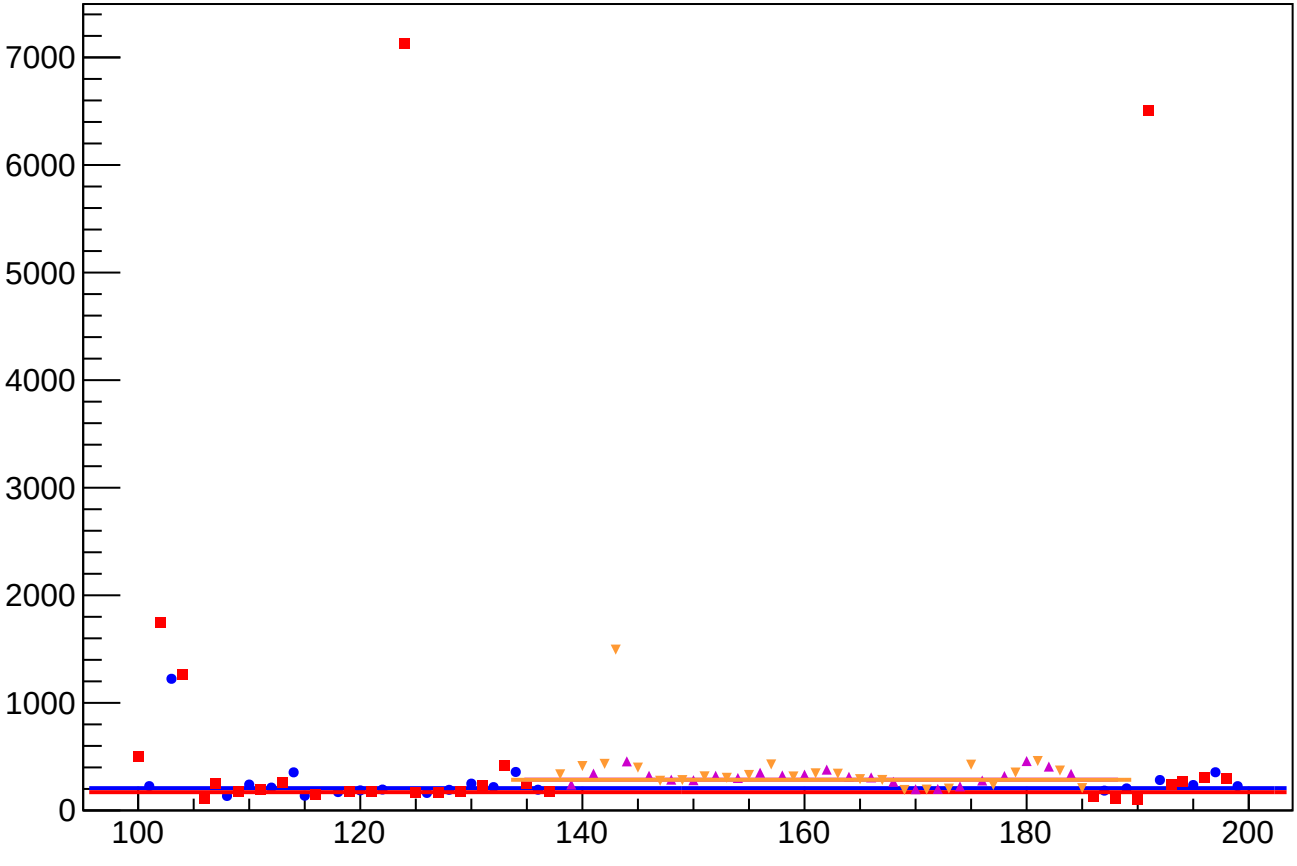
Right: -0.002+/-0.042 χ^2/NDF: 44.2/48

In: -0.082+/-0.048 χ^2/NDF:45.4/44

Out: 0.036+/-0.043 χ^2/NDF:56.1/51

All: -0.017+/-0.032 χ^2/NDF: 104.8/96

asym_atl1r2_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 207.317+/-0.047 χ^2/NDF: 1900608.4/21

Left Out: 285.036+/-0.049 χ^2/NDF:3407001.6/24

Right Out: 169.905+/-0.039 χ^2/NDF: 4686054.4/26

Left In: 285.869+/-0.050 χ^2/NDF:1744706.1/22

Left: 285.449+/-0.035 χ^2/NDF: 5151848.7/47

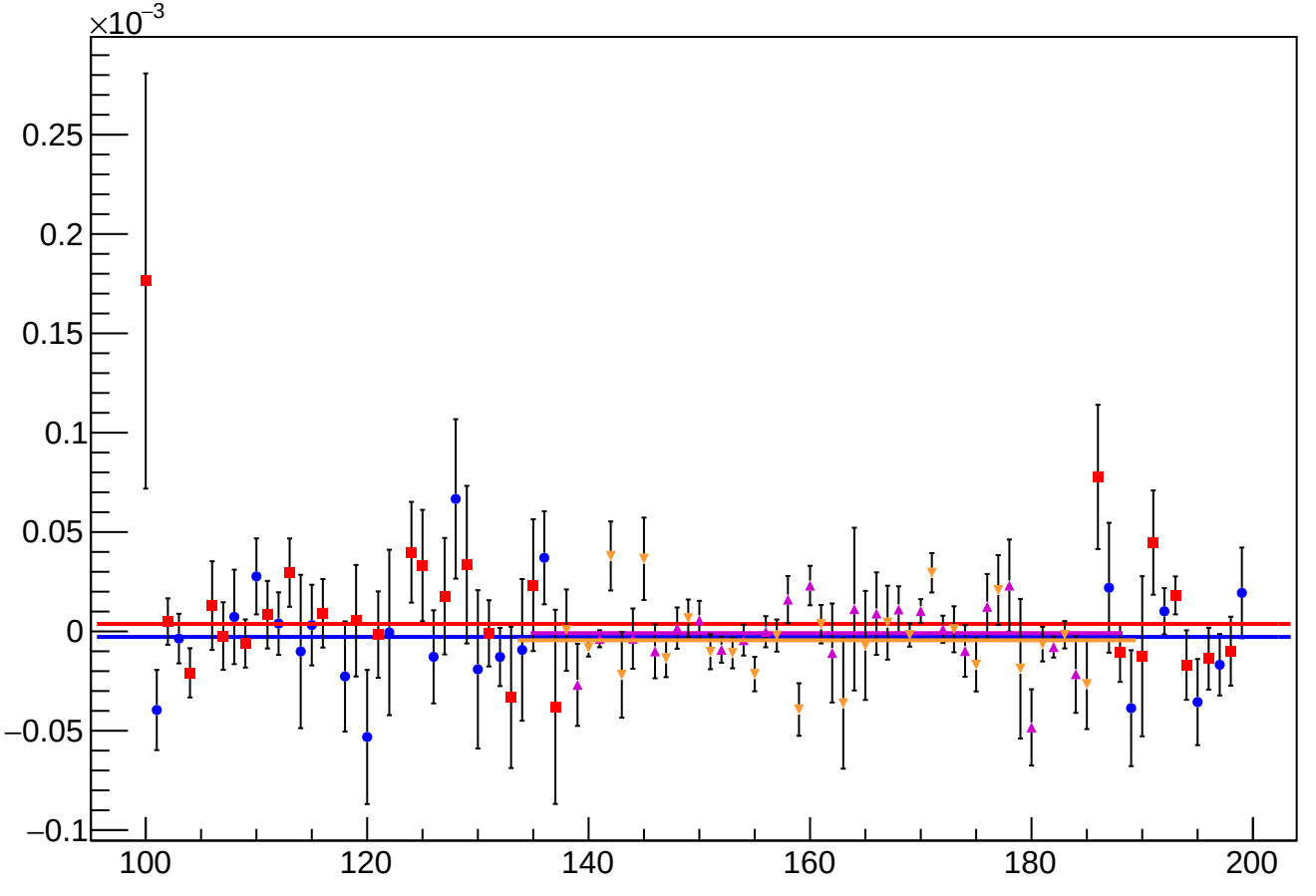
Right: 185.422+/-0.030 χ^2/NDF: 6963789.8/48

In: 243.998+/-0.034 χ^2/NDF:4971895.9/44

Out: 214.470+/-0.031 χ^2/NDF:11426197.8/51

All: 227.728+/-0.023 χ^2/NDF: 16813053.6/96

asym_atl1r2_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 23.2/21

Left Out: -0.000+/-0.000 χ^2/NDF:43.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 29.6/26

Left In: -0.000+/-0.000 χ^2/NDF:29.0/22

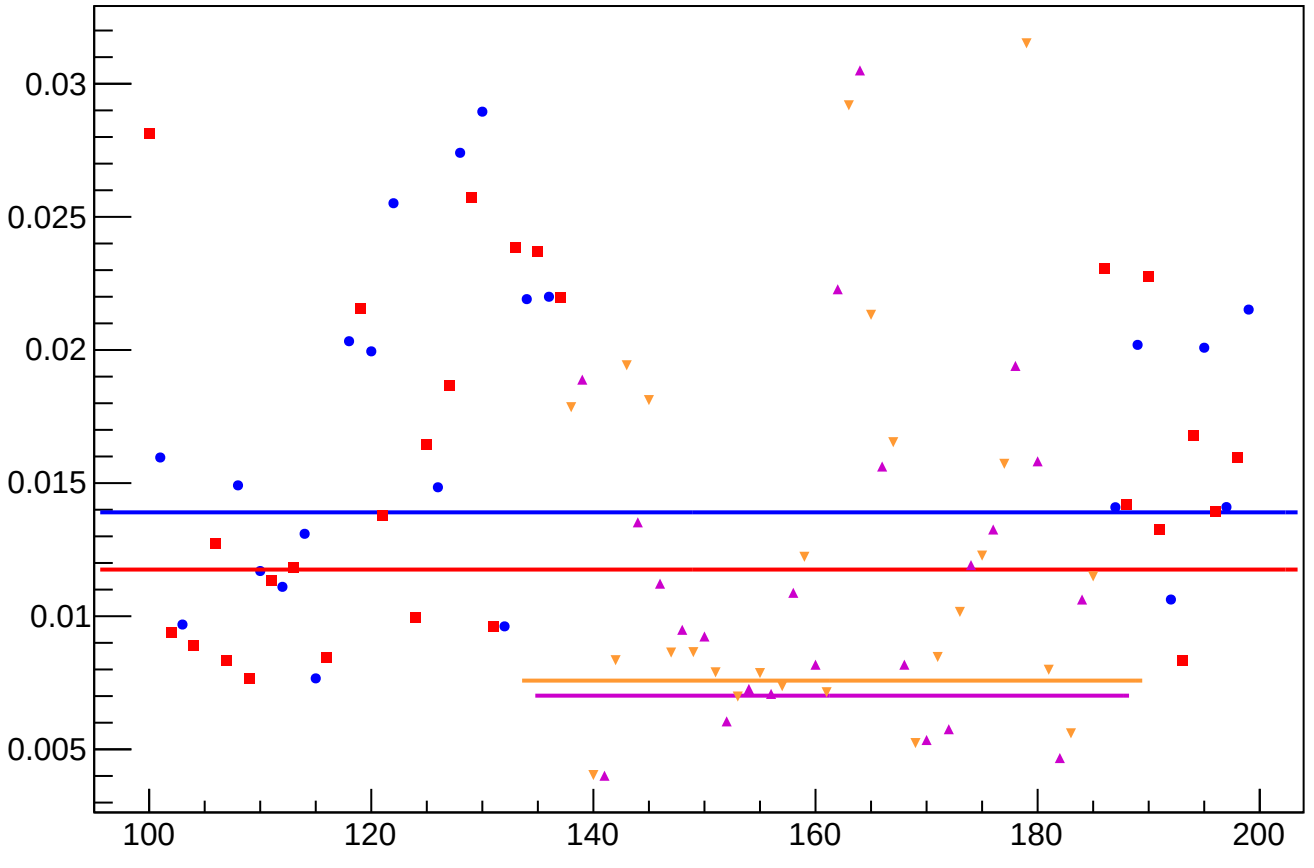
Left: -0.000+/-0.000 χ^2/NDF: 74.6/47

Right: 0.000+/-0.000 χ^2/NDF: 54.1/48

In: -0.000+/-0.000 χ^2/NDF:52.4/44

Out: -0.000+/-0.000 χ^2/NDF:77.6/51

All: -0.000+/-0.000 χ^2/NDF: 130.2/96



Right In: 0.014+/-0.000 χ^2/NDF: 2523649.3/21

Left Out: 0.008+/-0.000 χ^2/NDF:7351454.7/24

Right Out: 0.012+/-0.000 χ^2/NDF: 2909016.7/26

Left In: 0.007+/-0.000 χ^2/NDF:6740679.5/22

Left: 0.007+/-0.000 χ^2/NDF: 14177078.3/47

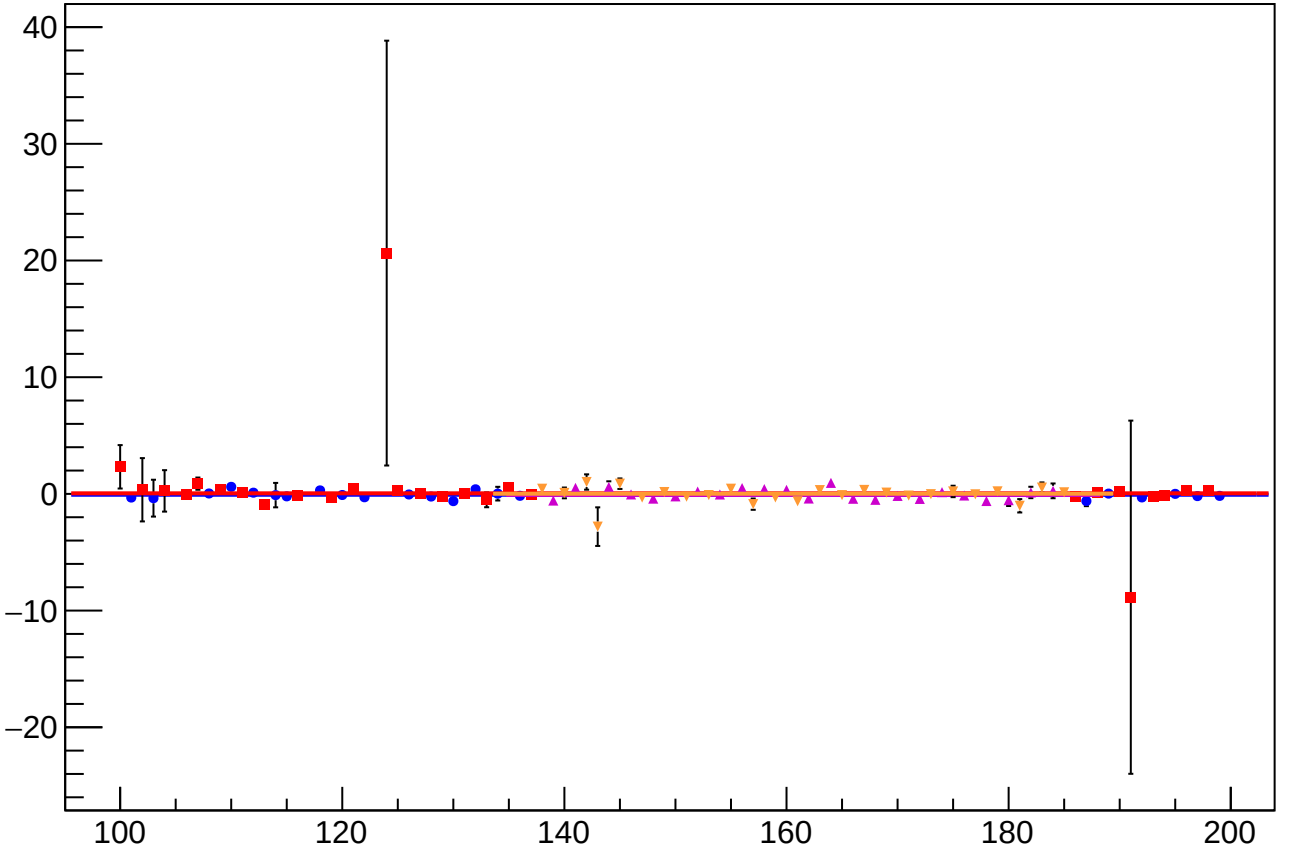
Right: 0.013+/-0.000 χ^2/NDF: 5720633.0/48

In: 0.008+/-0.000 χ^2/NDF:13366523.5/44

Out: 0.009+/-0.000 χ^2/NDF:12370451.5/51

All: 0.008+/-0.000 χ^2/NDF: 25808454.3/96

asym_atl1r2_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.075+/-0.066 χ^2/NDF: 14.4/21

Left Out: 0.014+/-0.070 χ^2/NDF:28.3/24

Right Out: 0.049+/-0.055 χ^2/NDF: 27.7/26

Left In: -0.091+/-0.070 χ^2/NDF:30.9/22

Left: -0.038+/-0.050 χ^2/NDF: 60.3/47

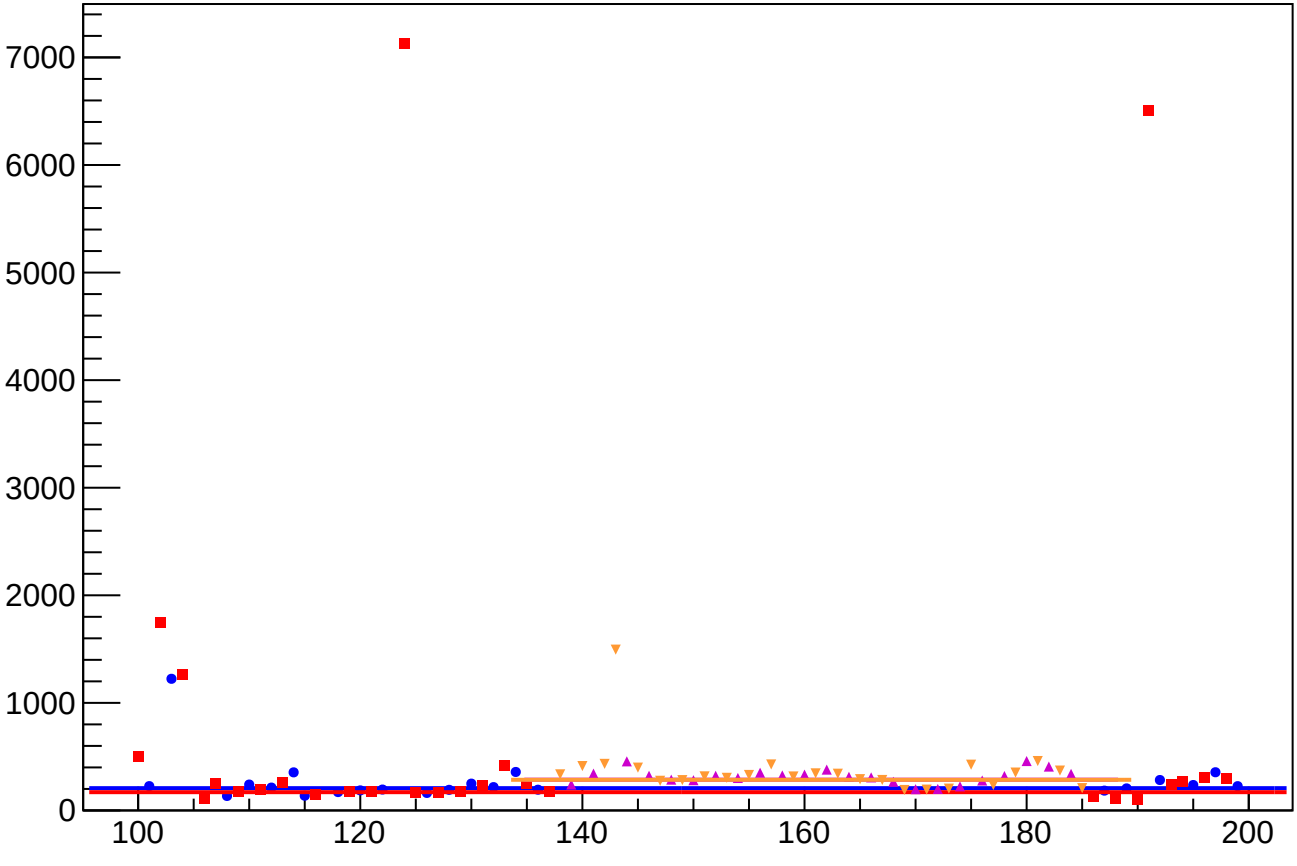
Right: -0.002+/-0.042 χ^2/NDF: 44.2/48

In: -0.082+/-0.048 χ^2/NDF:45.4/44

Out: 0.036+/-0.043 χ^2/NDF:56.1/51

All: -0.017+/-0.032 χ^2/NDF: 104.8/96

asym_atl1r2_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 207.316+/-0.047 χ^2/NDF: 1900606.6/21

Left Out: 285.039+/-0.049 χ^2/NDF:3407037.3/24

Right Out: 169.903+/-0.039 χ^2/NDF: 4686171.0/26

Left In: 285.871+/-0.050 χ^2/NDF:1744743.9/22

Left: 285.451+/-0.035 χ^2/NDF: 5151922.1/47

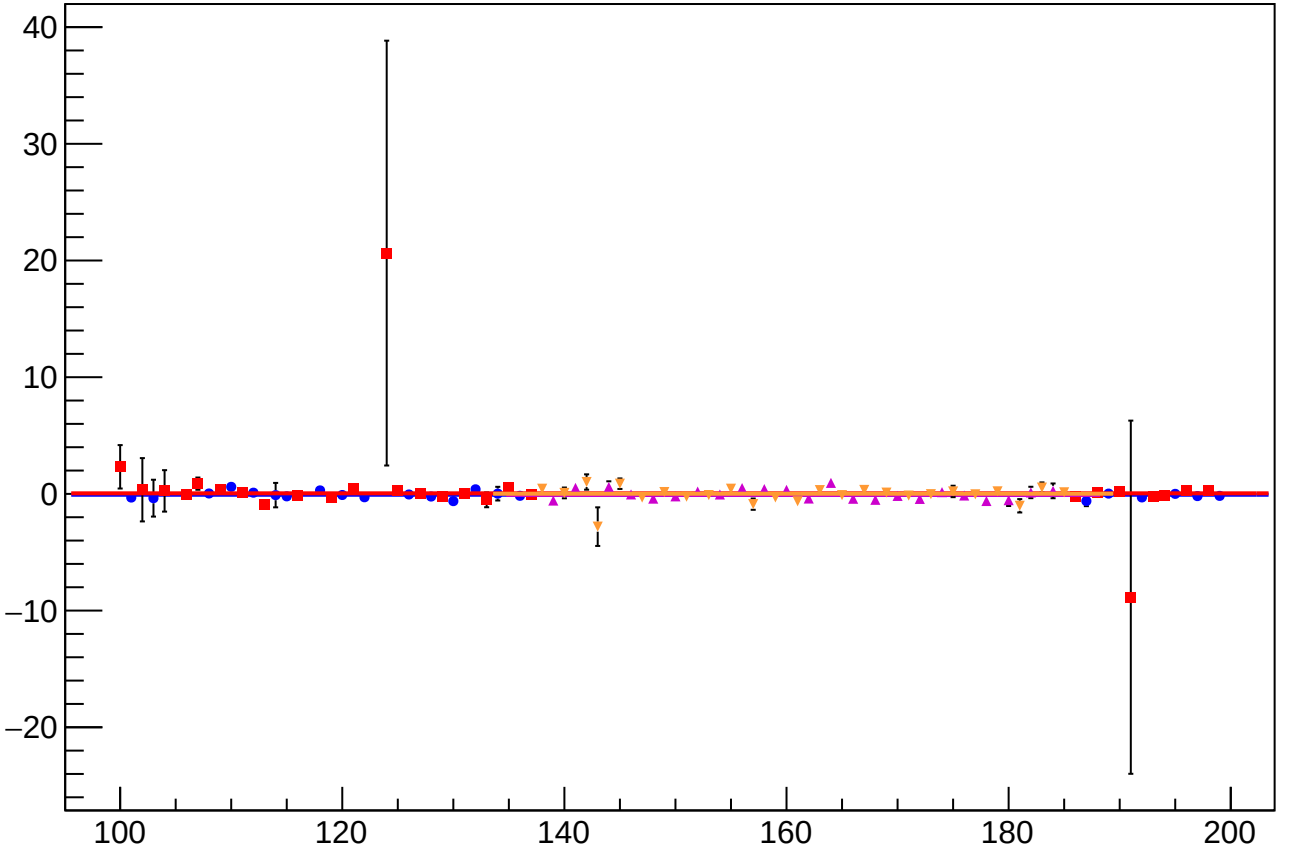
Right: 185.420+/-0.030 χ^2/NDF: 6963947.3/48

In: 243.998+/-0.034 χ^2/NDF:4972047.0/44

Out: 214.468+/-0.031 χ^2/NDF:11426665.4/51

All: 227.727+/-0.023 χ^2/NDF: 16813729.1/96

asym_atl1r2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.075+/-0.066 χ^2/NDF: 14.4/21

Left Out: 0.014+/-0.070 χ^2/NDF:28.3/24

Right Out: 0.049+/-0.055 χ^2/NDF: 27.7/26

Left In: -0.091+/-0.070 χ^2/NDF:30.9/22

Left: -0.038+/-0.050 χ^2/NDF: 60.3/47

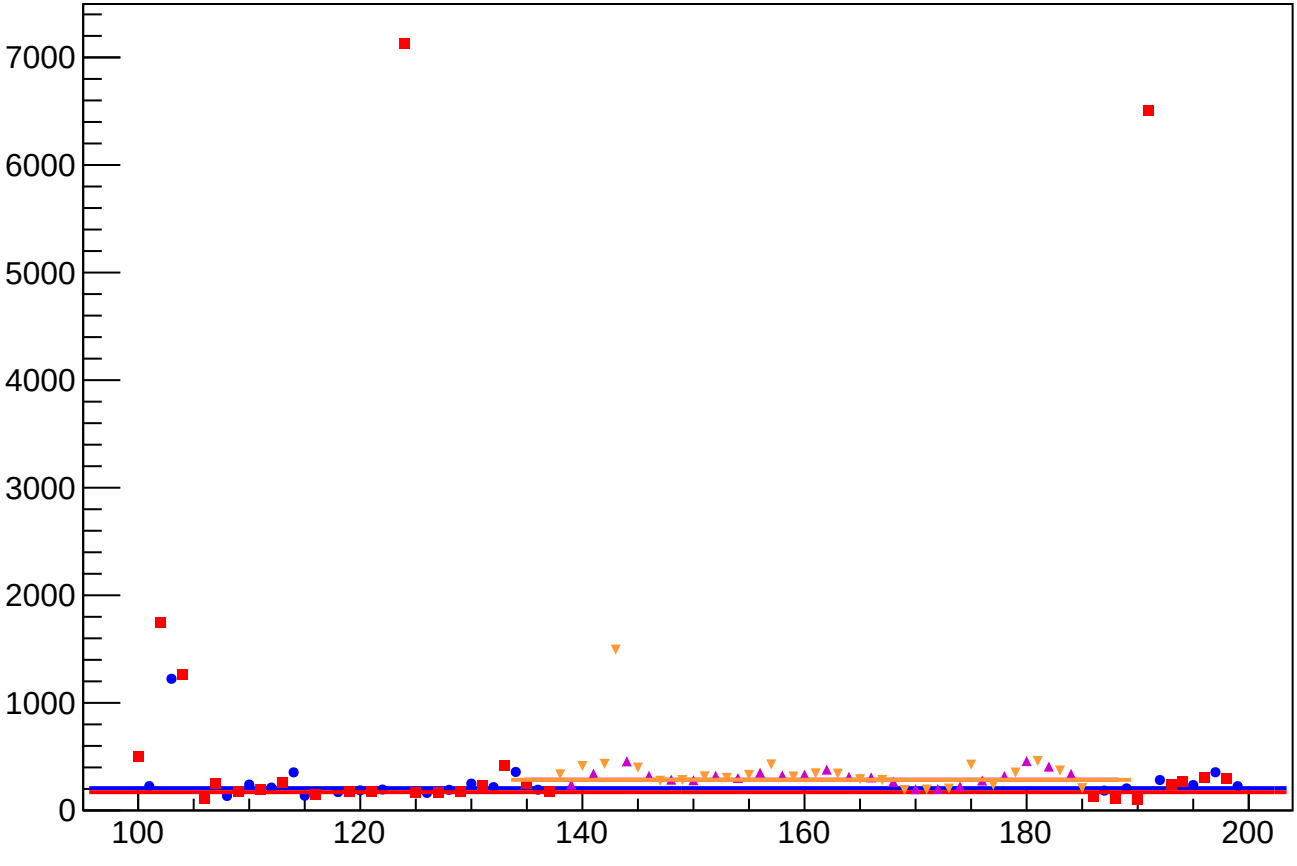
Right: -0.002+/-0.042 χ^2/NDF: 44.2/48

In: -0.082+/-0.048 χ^2/NDF:45.4/44

Out: 0.036+/-0.043 χ^2/NDF:56.1/51

All: -0.017+/-0.032 χ^2/NDF: 104.8/96

asym_atl1r2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 207.316+/-0.047 χ^2/NDF: 1900606.6/21

Left Out: 285.039+/-0.049 χ^2/NDF:3407037.3/24

Right Out: 169.903+/-0.039 χ^2/NDF: 4686171.0/26

Left In: 285.871+/-0.050 χ^2/NDF:1744743.9/22

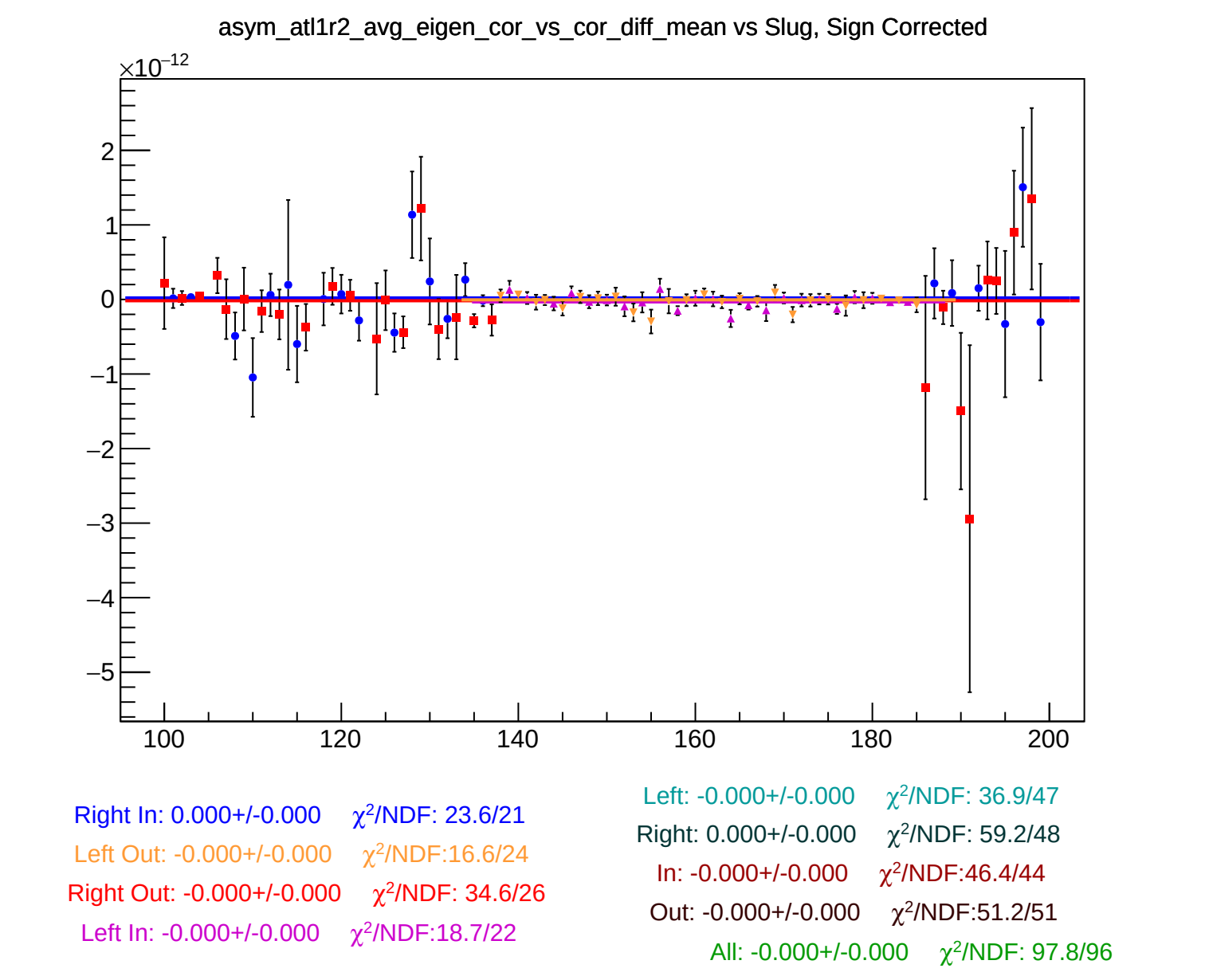
Left: 285.451+/-0.035 χ^2/NDF: 5151922.1/47

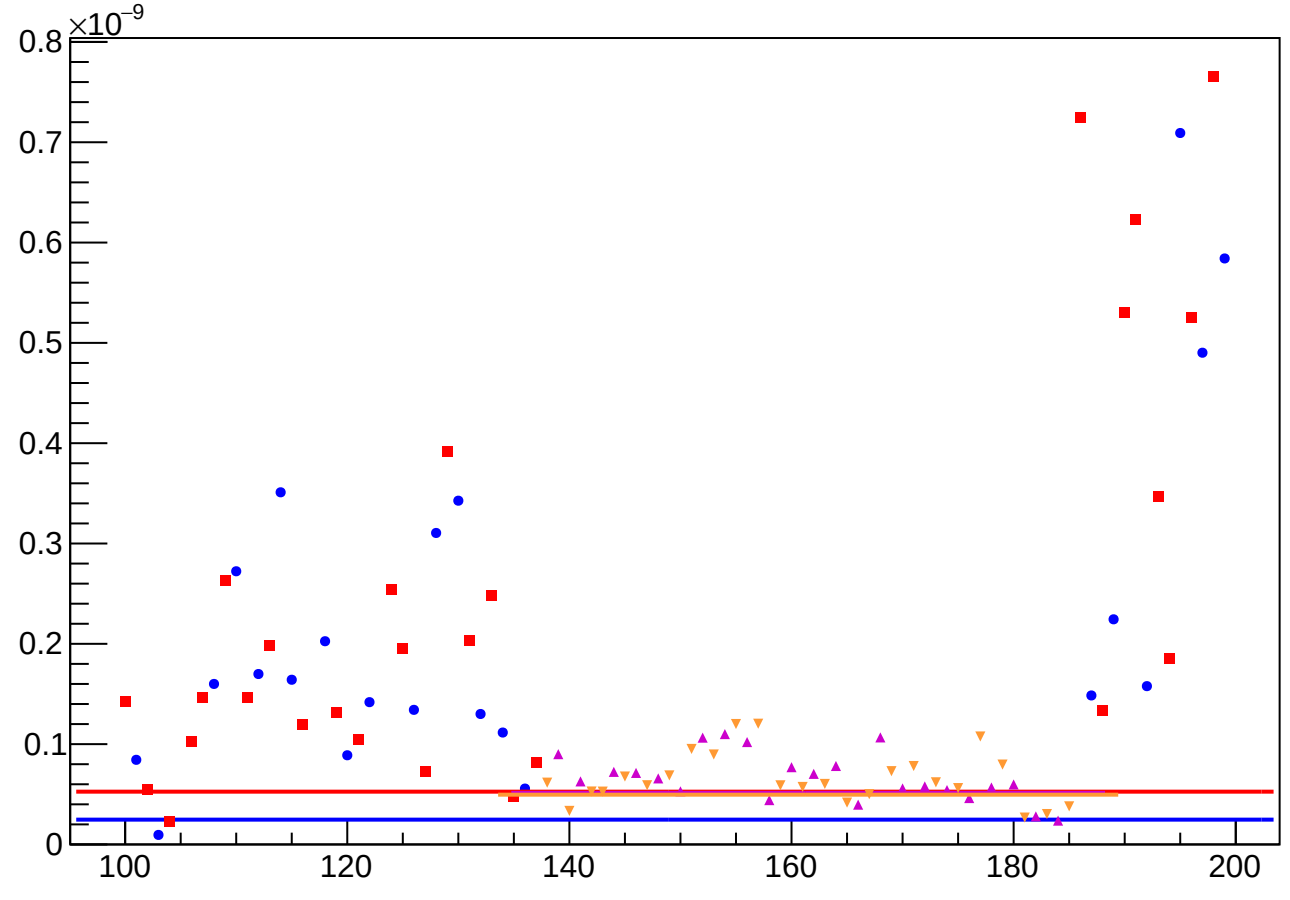
Right: 185.420+/-0.030 χ^2/NDF: 6963947.3/48

In: 243.998+/-0.034 χ^2/NDF:4972047.0/44

Out: 214.468+/-0.031 χ^2/NDF:11426665.4/51

All: 227.727+/-0.023 χ^2/NDF: 16813729.1/96


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: 23.6/21
Left Out: -0.000+/-0.000 χ²/NDF:16.6/24
Right Out: -0.000+/-0.000 χ²/NDF: 34.6/26
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: 59.2/48
In: -0.000+/-0.000 χ²/NDF:46.4/44
Out: -0.000+/-0.000 χ²/NDF:51.2/51
All: -0.000+/-0.000 χ²/NDF: 97.8/96



Right In: 0.000+/-0.000 χ^2/NDF: 10045797.7/21

Left Out: 0.000+/-0.000 χ^2/NDF:3882649.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7638584.7/26

Left In: 0.000+/-0.000 χ^2/NDF:3659712.8/22

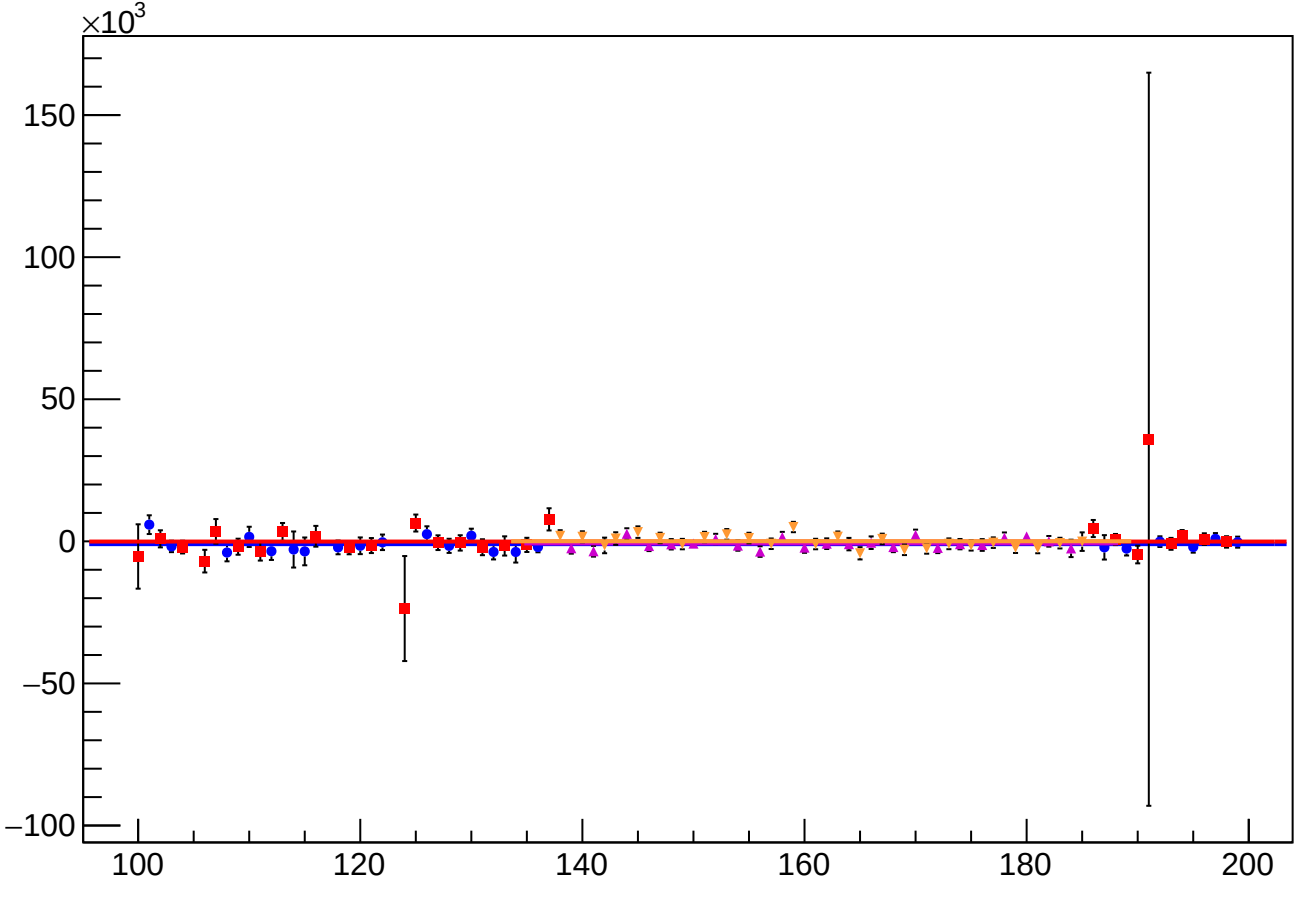
Left: 0.000+/-0.000 χ^2/NDF: 7555879.5/47

Right: 0.000+/-0.000 χ^2/NDF: 18823799.7/48

In: 0.000+/-0.000 χ^2/NDF:15836318.5/44

Out: 0.000+/-0.000 χ^2/NDF:11536664.0/51

All: 0.000+/-0.000 χ^2/NDF: 27819445.8/96



Right In: -986.696+/-546.574 χ^2/NDF: 14.2/21

Left Out: 23.114+/-387.732 χ^2/NDF:29.5/24

Right Out: -73.200+/-536.987 χ^2/NDF: 26.6/26

Left In: -719.504+/-396.449 χ^2/NDF:19.1/22

Left: -339.941+/-277.199 χ^2/NDF: 50.3/47

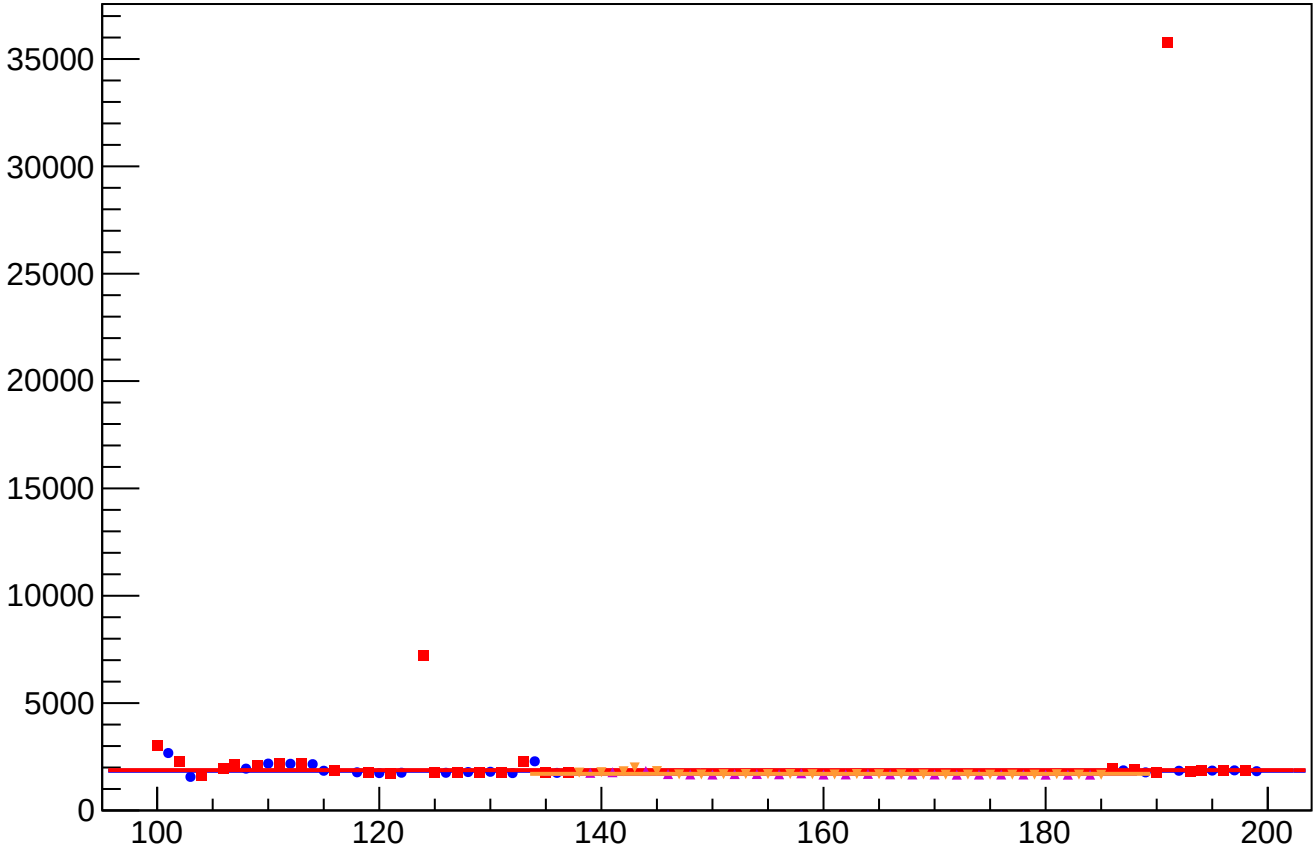
Right: -521.866+/-383.052 χ^2/NDF: 42.2/48

In: -811.616+/-320.918 χ^2/NDF:33.5/44

Out: -9.892+/-314.352 χ^2/NDF:56.1/51

All: -402.468+/-224.566 χ^2/NDF: 92.7/96

reg_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1847.132+/-0.386 χ^2/NDF: 262327.1/21

Left Out: 1705.634+/-0.274 χ^2/NDF:59928.6/24

Right Out: 1878.601+/-0.379 χ^2/NDF: 511011.7/26

Left In: 1697.514+/-0.280 χ^2/NDF:21146.9/22

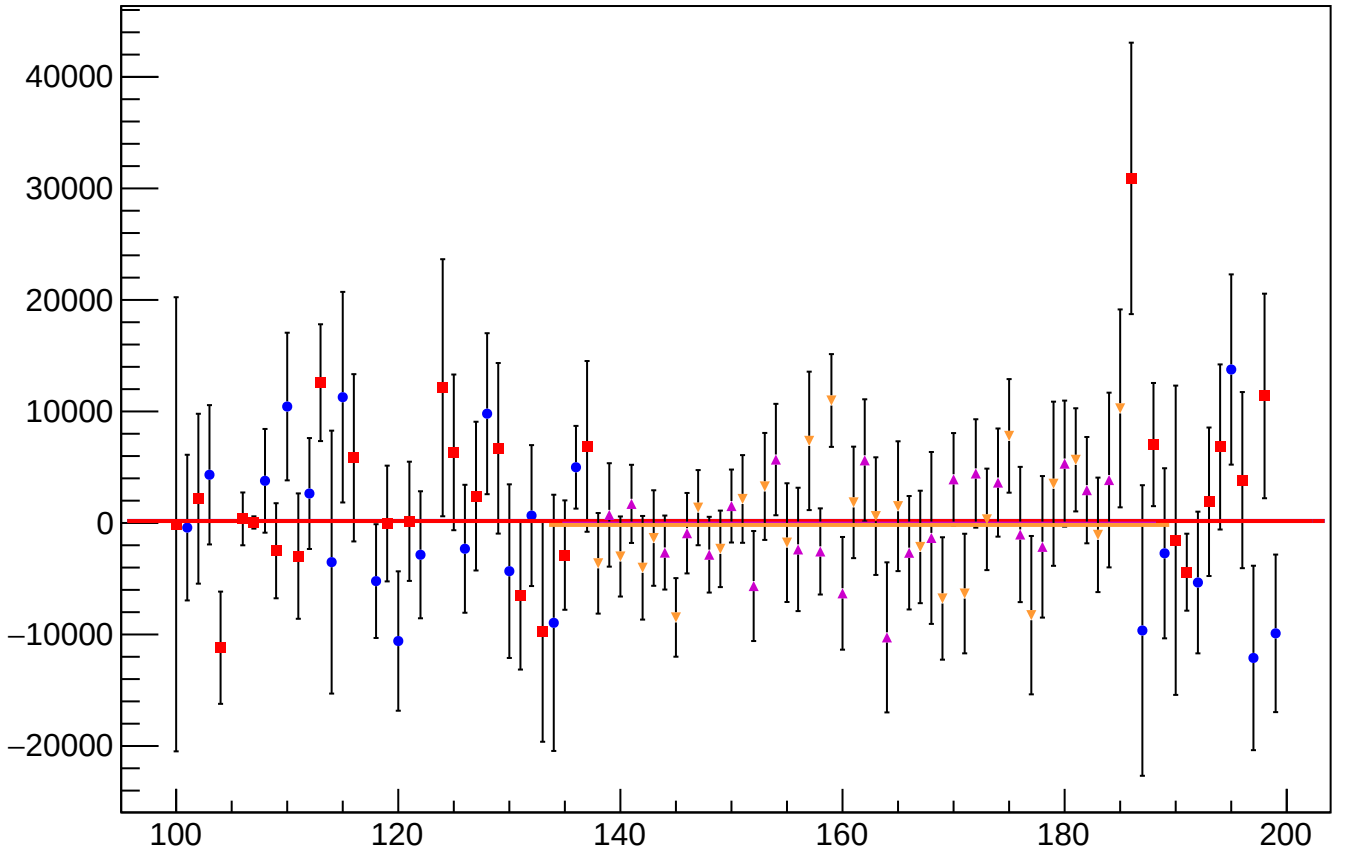
Left: 1701.665+/-0.196 χ^2/NDF: 81504.4/47

Right: 1863.166+/-0.271 χ^2/NDF: 776716.8/48

In: 1749.093+/-0.227 χ^2/NDF:381674.2/44

Out: 1765.013+/-0.222 χ^2/NDF:707575.0/51

All: 1757.222+/-0.159 χ^2/NDF: 1091762.2/96



Right In: 183.246+/-1361.528 χ^2/NDF: 22.4/21

Left Out: -175.777+/-935.141 χ^2/NDF:27.9/24

Right Out: 172.567+/-493.392 χ^2/NDF: 30.3/26

Left In: -56.448+/-956.389 χ^2/NDF:14.3/22

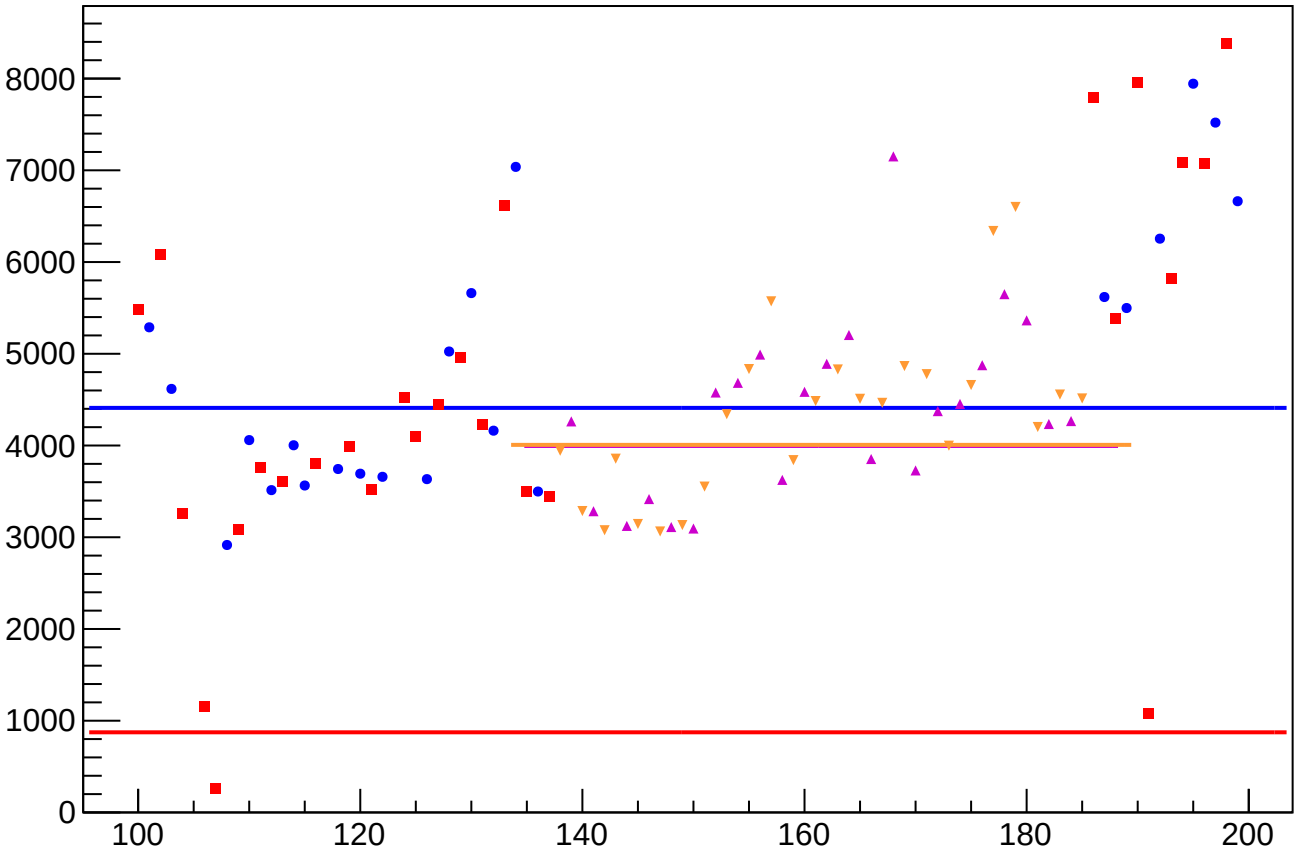
Left: -117.453+/-668.630 χ^2/NDF: 42.2/47

Right: 173.806+/-463.874 χ^2/NDF: 52.7/48

In: 22.746+/-782.607 χ^2/NDF:36.7/44

Out: 96.713+/-436.378 χ^2/NDF:58.3/51

All: 79.170+/-381.133 χ^2/NDF: 95.0/96



Right In: 4410.175+/-0.963 χ^2/NDF: 1816539.8/21

Left Out: 4006.998+/-0.661 χ^2/NDF:1503677.6/24

Right Out: 873.667+/-0.349 χ^2/NDF: 18437769.4/26

Left In: 3994.974+/-0.676 χ^2/NDF:1538115.4/22

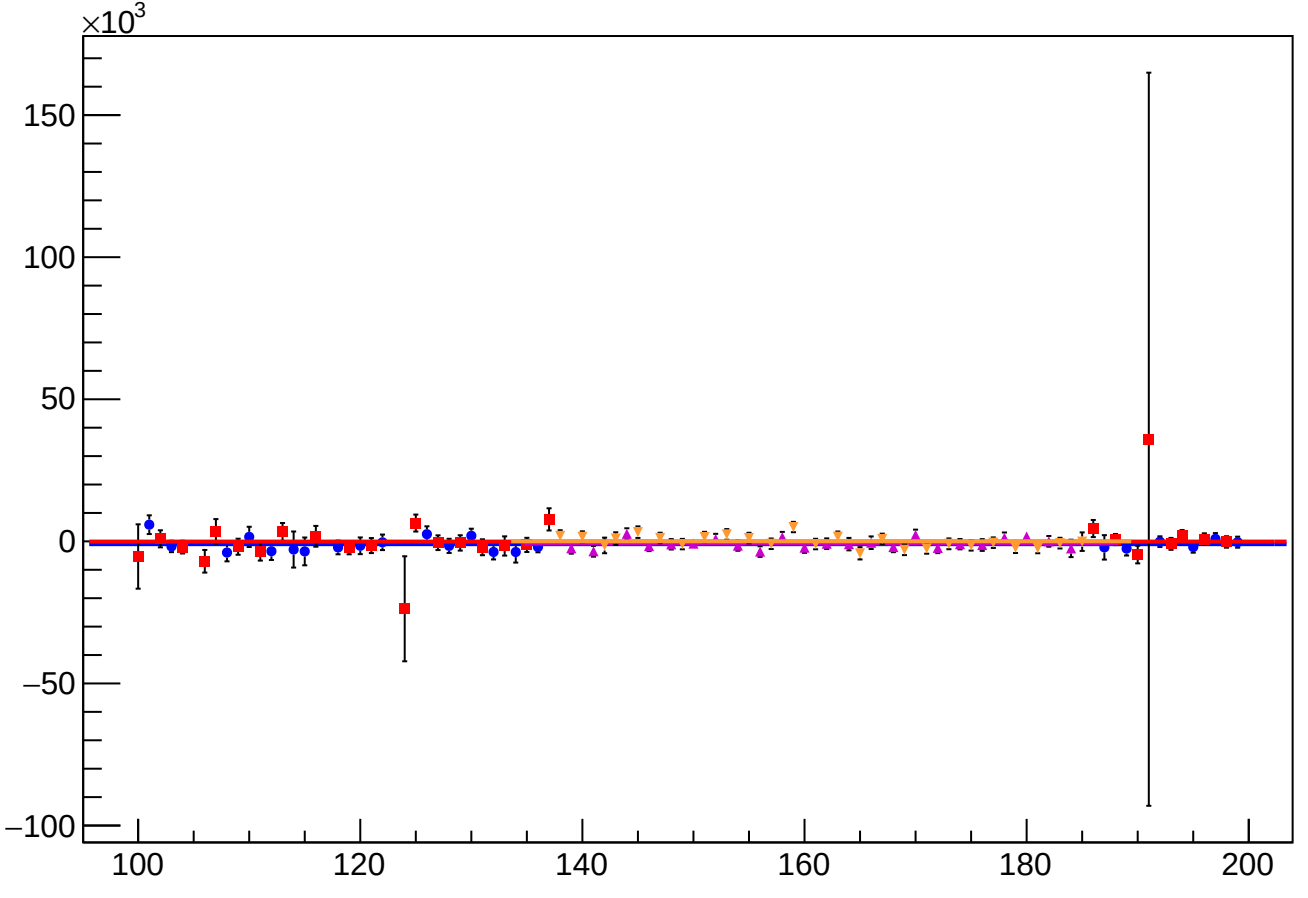
Left: 4001.121+/-0.473 χ^2/NDF: 3041954.6/47

Right: 1284.174+/-0.328 χ^2/NDF: 32181556.2/48

In: 4132.154+/-0.553 χ^2/NDF:3479195.7/44

Out: 1555.972+/-0.309 χ^2/NDF:37505702.7/51

All: 2166.973+/-0.270 χ^2/NDF: 57516770.8/9



Right In: -986.452+/-546.574 χ^2/NDF: 14.2/21

Left Out: 23.186+/-387.732 χ^2/NDF:29.5/24

Right Out: -73.398+/-536.988 χ^2/NDF: 26.6/26

Left In: -719.380+/-396.449 χ^2/NDF:19.1/22

Left: -339.844+/-277.199 χ^2/NDF: 50.3/47

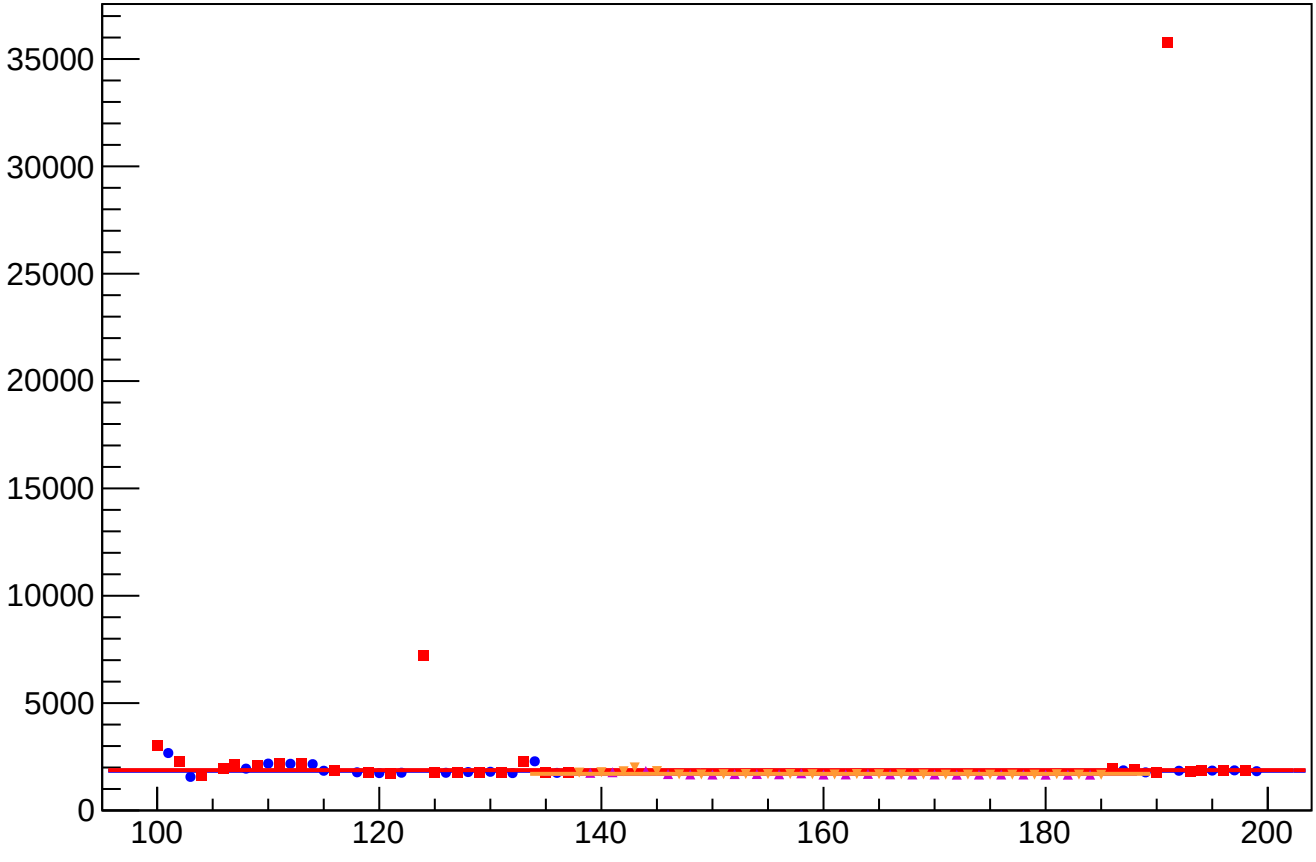
Right: -521.848+/-383.052 χ^2/NDF: 42.3/48

In: -811.450+/-320.918 χ^2/NDF:33.5/44

Out: -9.912+/-314.352 χ^2/NDF:56.1/51

All: -402.398+/-224.566 χ^2/NDF: 92.7/96

cor_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1847.132+/-0.386 χ^2/NDF: 262326.2/21

Left Out: 1705.635+/-0.274 χ^2/NDF:59928.6/24

Right Out: 1878.864+/-0.379 χ^2/NDF: 511271.9/26

Left In: 1697.514+/-0.280 χ^2/NDF:21146.9/22

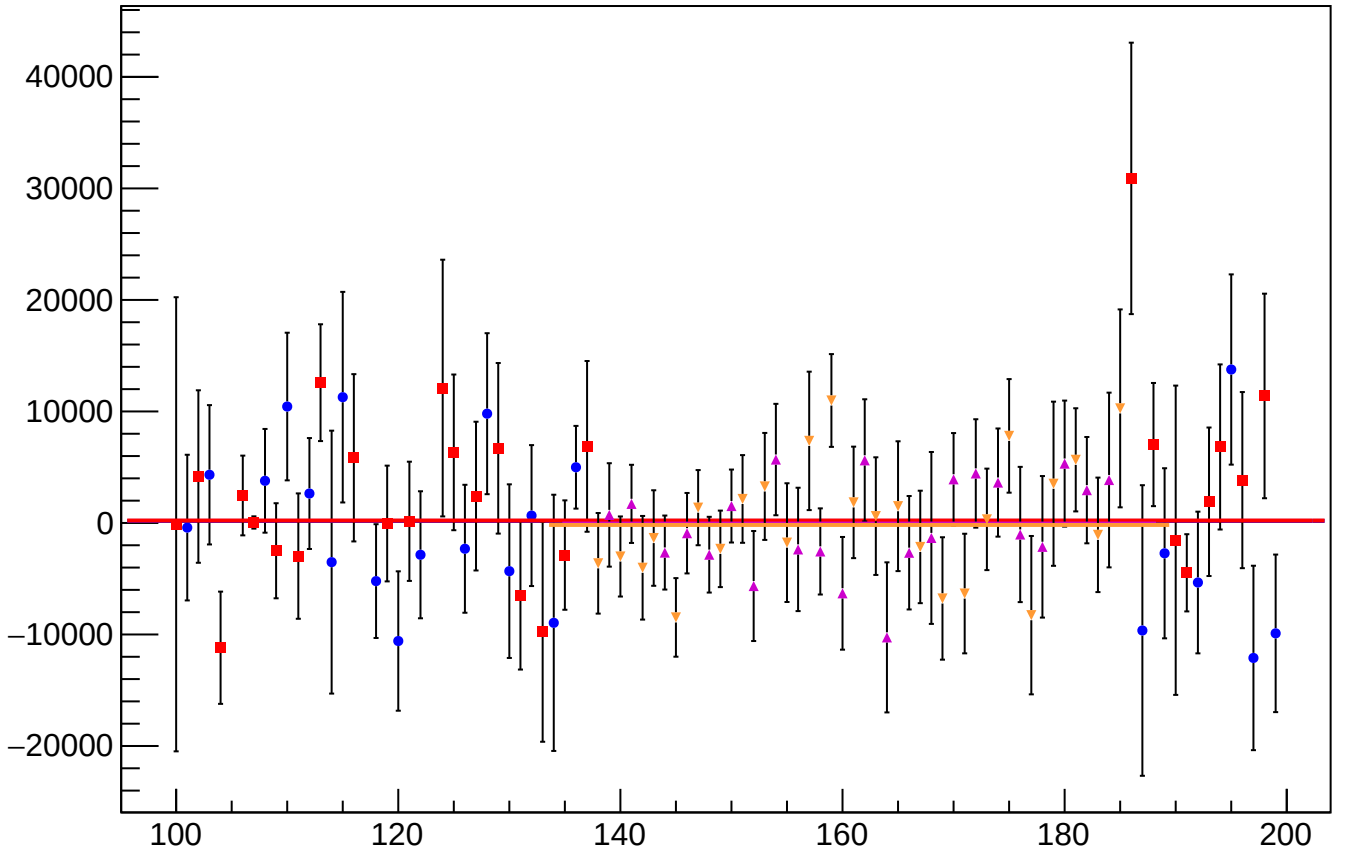
Left: 1701.665+/-0.196 χ^2/NDF: 81504.4/47

Right: 1863.298+/-0.271 χ^2/NDF: 777032.3/48

In: 1749.093+/-0.227 χ^2/NDF:381673.6/44

Out: 1765.093+/-0.222 χ^2/NDF:708227.0/51

All: 1757.262+/-0.159 χ^2/NDF: 1092438.8/96



Right In: 183.217+/-1361.533 χ^2/NDF: 22.4/21

Left Out: -175.755+/-935.140 χ^2/NDF:27.9/24

Right Out: 215.584+/-499.544 χ^2/NDF: 30.9/26

Left In: -56.377+/-956.388 χ^2/NDF:14.3/22

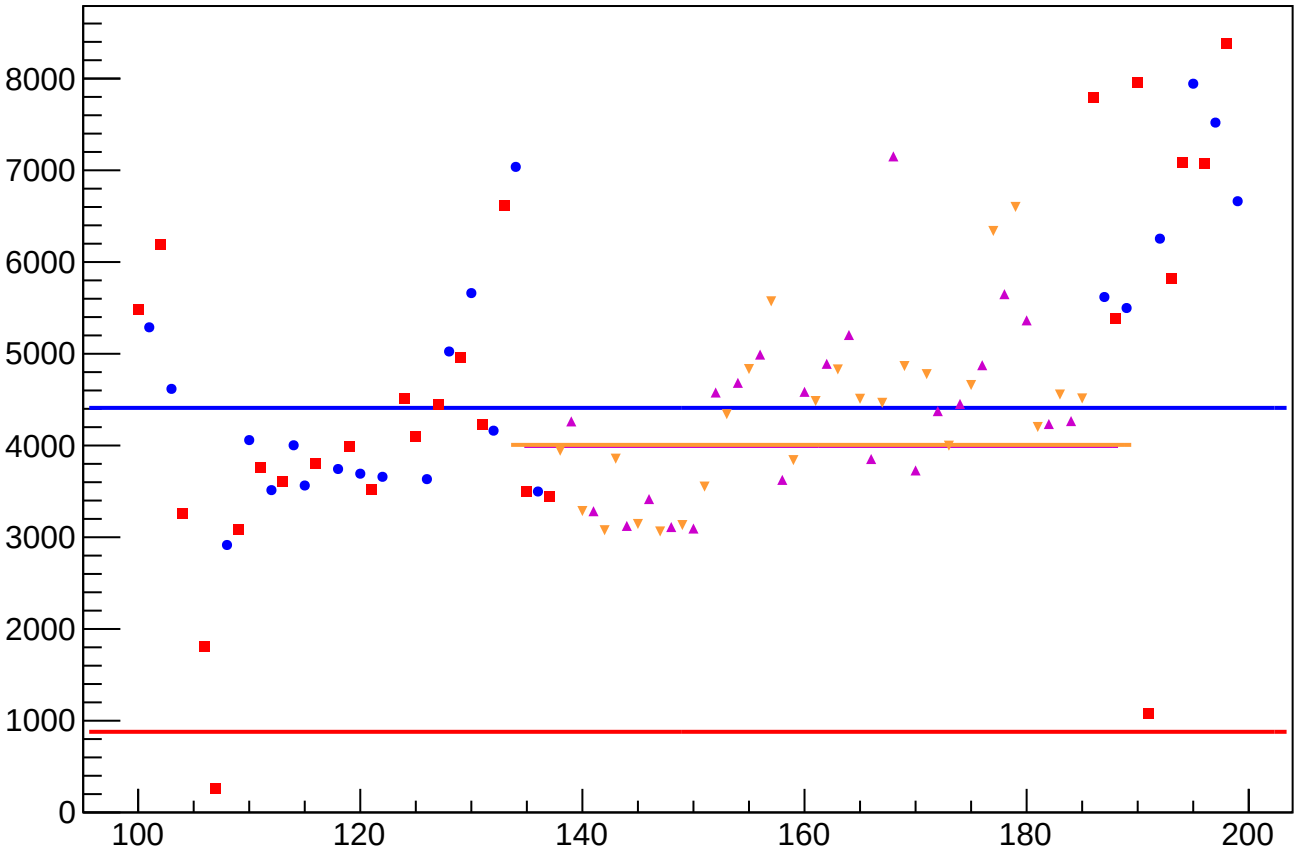
Left: -117.407+/-668.630 χ^2/NDF: 42.2/47

Right: 211.744+/-468.975 χ^2/NDF: 53.3/48

In: 22.783+/-782.607 χ^2/NDF:36.7/44

Out: 128.703+/-440.617 χ^2/NDF:59.0/51

All: 103.209+/-383.947 χ^2/NDF: 95.7/96



Right In: 4410.185+/-0.963 χ^2/NDF: 1816559.5/21

Left Out: 4006.990+/-0.661 χ^2/NDF:1503698.2/24

Right Out: 879.133+/-0.353 χ^2/NDF: 18557434.2/26

Left In: 3994.972+/-0.676 χ^2/NDF:1538098.4/22

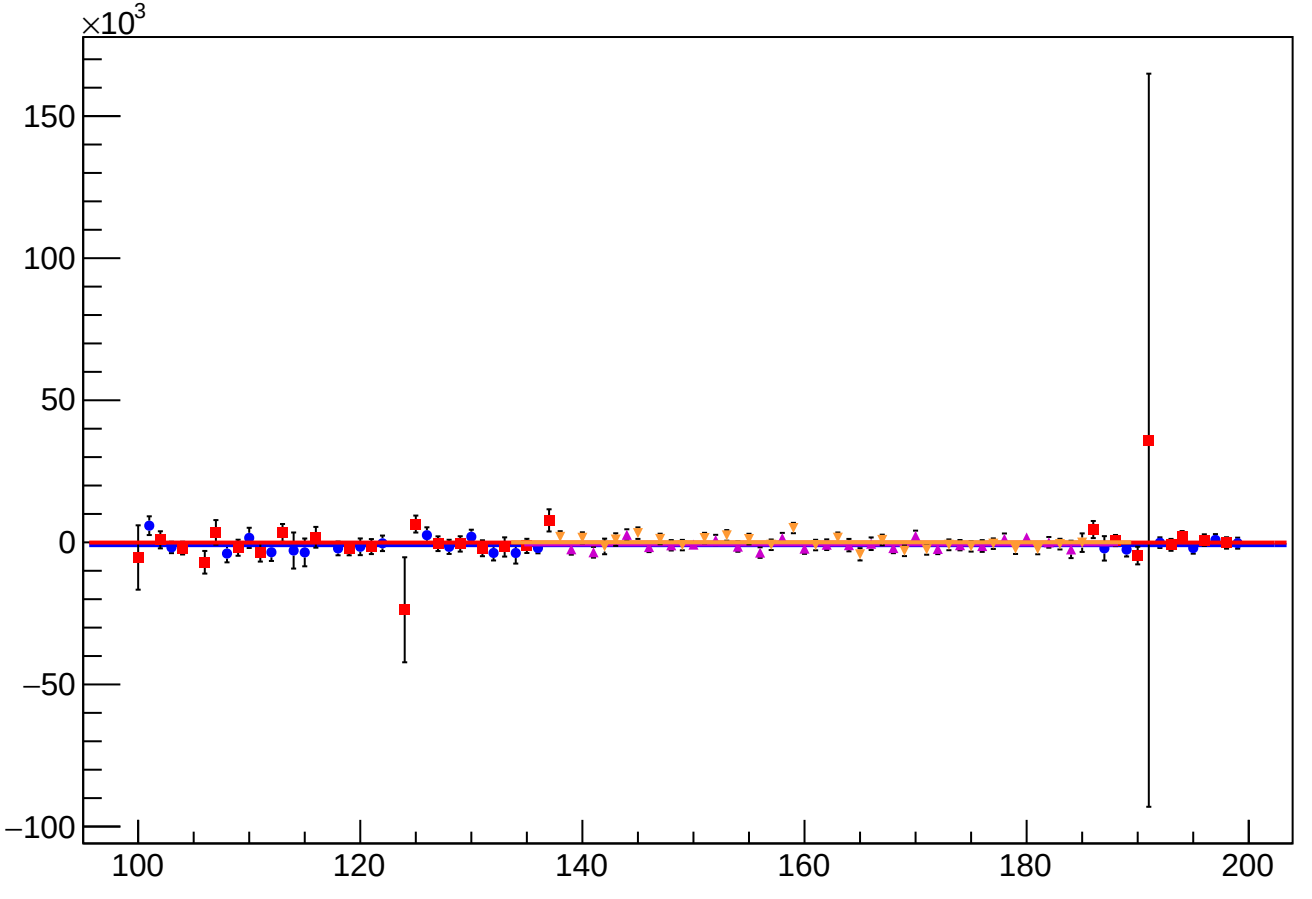
Left: 4001.116+/-0.473 χ^2/NDF: 3041958.1/47

Right: 1298.069+/-0.332 χ^2/NDF: 32229874.7/48

In: 4132.156+/-0.553 χ^2/NDF:3479205.5/44

Out: 1573.544+/-0.312 χ^2/NDF:37469002.2/51

All: 2189.372+/-0.271 χ^2/NDF: 57180173.7/9



Right In: -986.452+/-546.574 χ^2/NDF: 14.2/21

Left Out: 23.186+/-387.732 χ^2/NDF:29.5/24

Right Out: -73.398+/-536.988 χ^2/NDF: 26.6/26

Left In: -719.380+/-396.449 χ^2/NDF:19.1/22

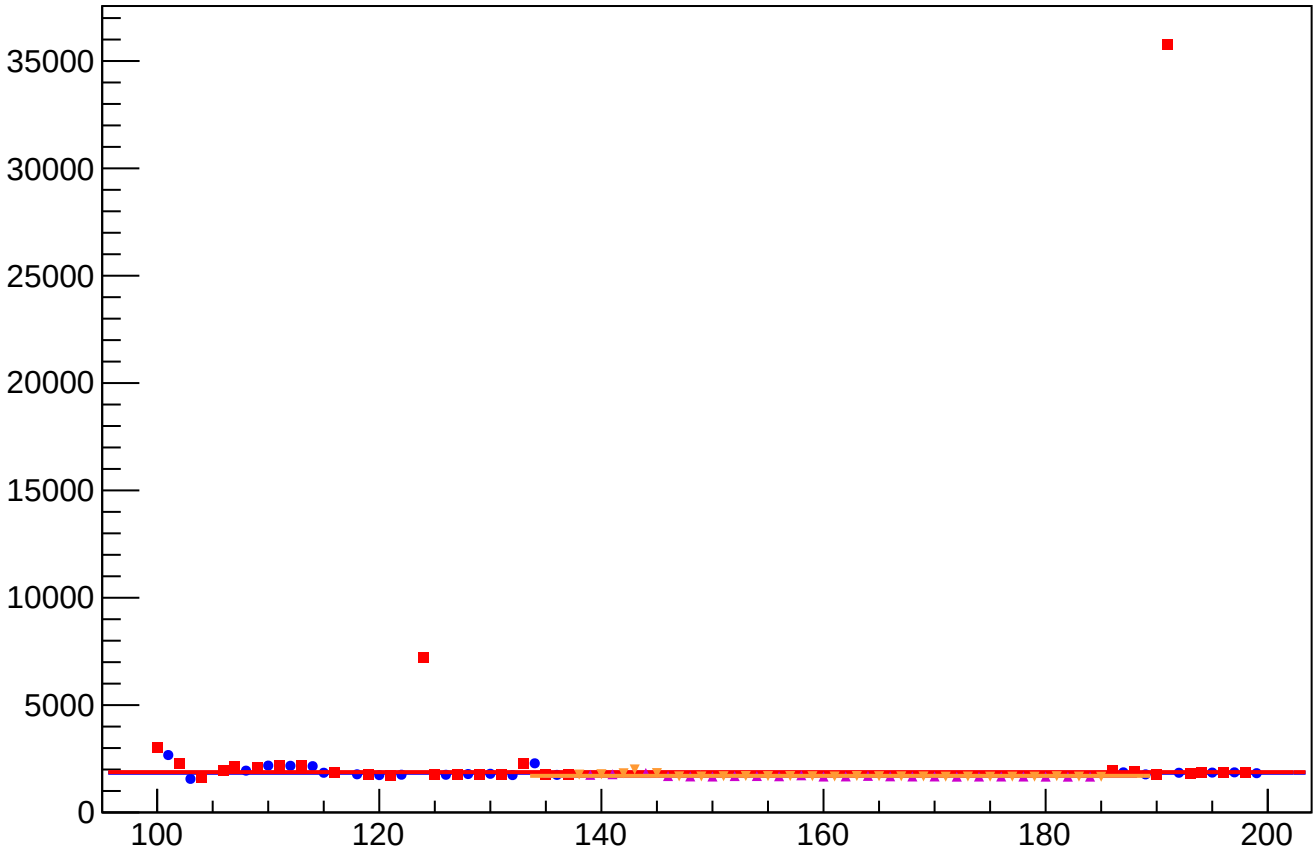
Left: -339.844+/-277.199 χ^2/NDF: 50.3/47

Right: -521.848+/-383.052 χ^2/NDF: 42.3/48

In: -811.450+/-320.918 χ^2/NDF:33.5/44

Out: -9.912+/-314.352 χ^2/NDF:56.1/51

All: -402.398+/-224.566 χ^2/NDF: 92.7/96



Right In: 1847.132+/-0.386 χ^2/NDF: 262326.2/21

Left Out: 1705.635+/-0.274 χ^2/NDF:59928.6/24

Right Out: 1878.864+/-0.379 χ^2/NDF: 511271.9/26

Left In: 1697.514+/-0.280 χ^2/NDF:21146.9/22

Left: 1701.665+/-0.196 χ^2/NDF: 81504.4/47

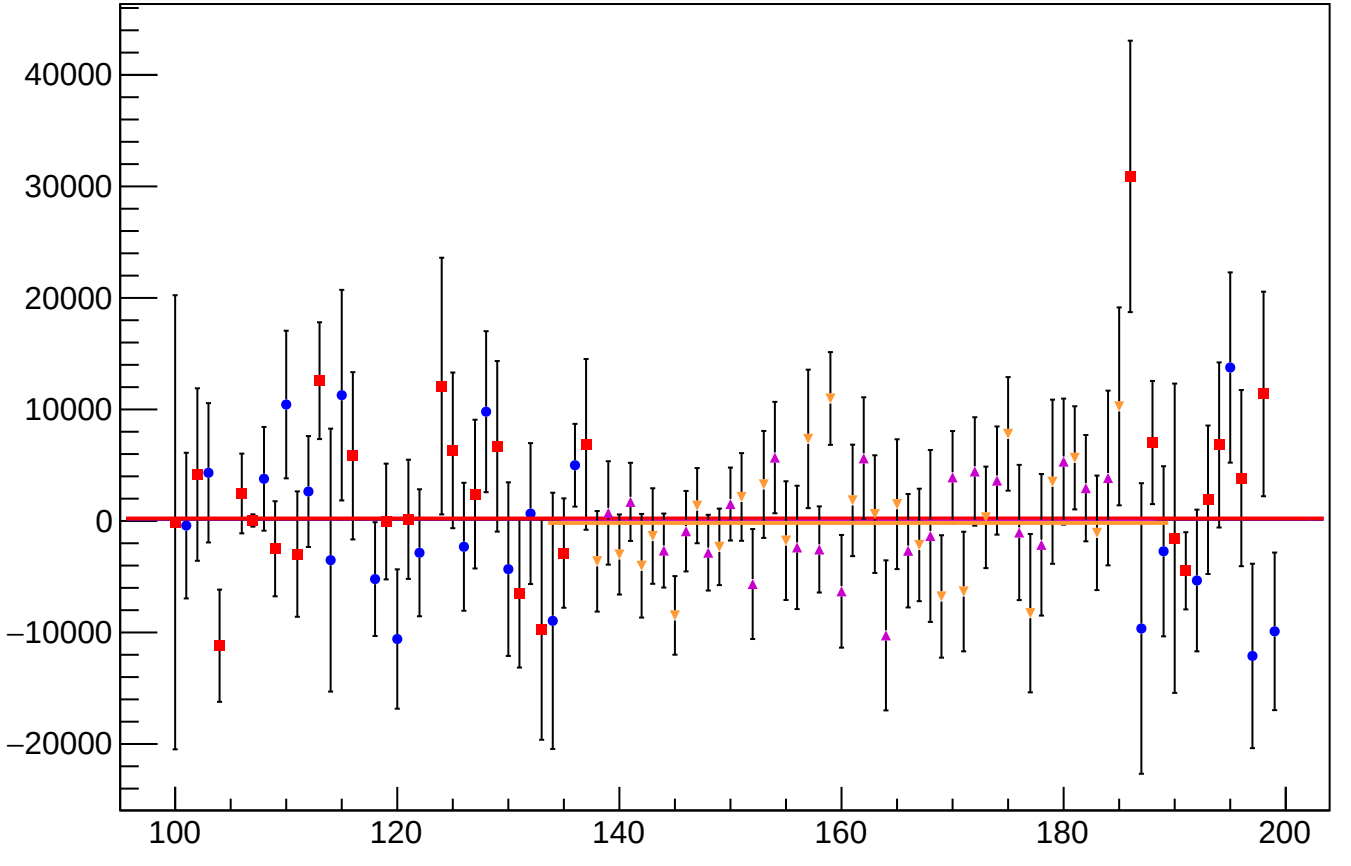
Right: 1863.298+/-0.271 χ^2/NDF: 777032.3/48

In: 1749.093+/-0.227 χ^2/NDF:381673.6/44

Out: 1765.093+/-0.222 χ^2/NDF:708227.0/51

All: 1757.262+/-0.159 χ^2/NDF: 1092438.8/96

asym_atl1r2_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 183.217+/-1361.533 χ^2/NDF: 22.4/21

Left Out: -175.755+/-935.140 χ^2/NDF:27.9/24

Right Out: 215.584+/-499.544 χ^2/NDF: 30.9/26

Left In: -56.377+/-956.388 χ^2/NDF:14.3/22

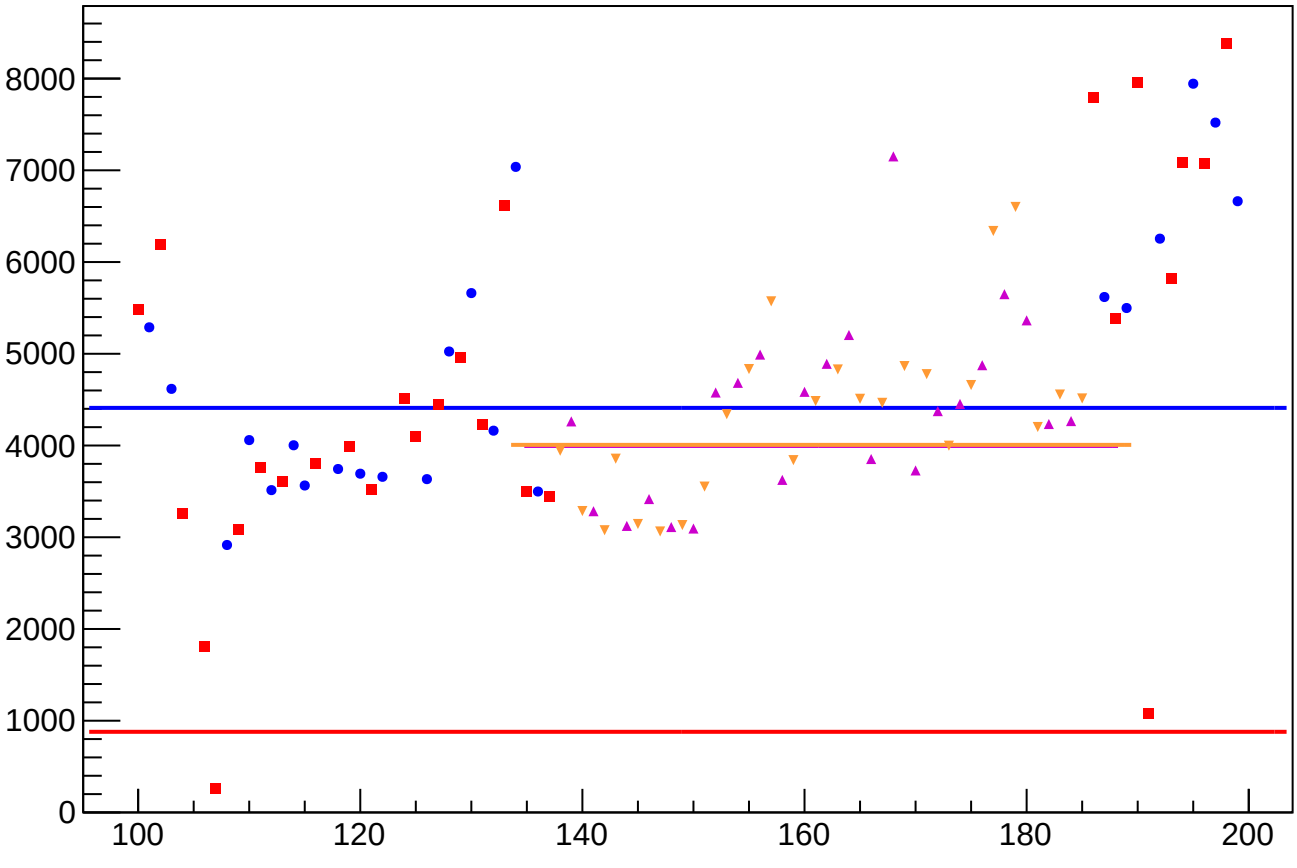
Left: -117.407+/-668.630 χ^2/NDF: 42.2/47

Right: 211.744+/-468.975 χ^2/NDF: 53.3/48

In: 22.783+/-782.607 χ^2/NDF:36.7/44

Out: 128.703+/-440.617 χ^2/NDF:59.0/51

All: 103.209+/-383.947 χ^2/NDF: 95.7/96



Right In: 4410.185+/-0.963 χ^2/NDF: 1816559.5/21

Left Out: 4006.990+/-0.661 χ^2/NDF:1503698.2/24

Right Out: 879.133+/-0.353 χ^2/NDF: 18557434.2/26

Left In: 3994.972+/-0.676 χ^2/NDF:1538098.4/22

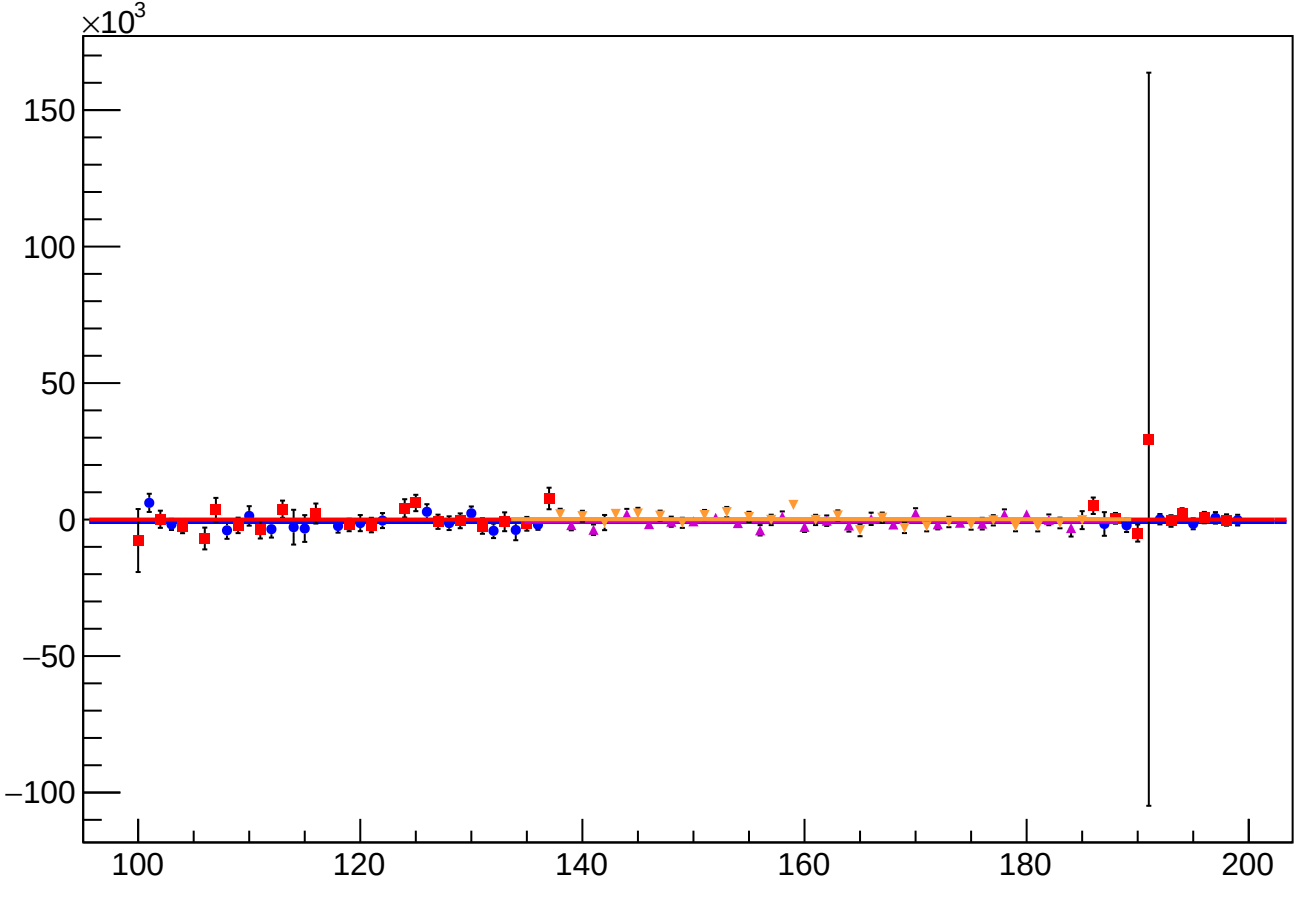
Left: 4001.116+/-0.473 χ^2/NDF: 3041958.1/47

Right: 1298.069+/-0.332 χ^2/NDF: 32229874.7/48

In: 4132.156+/-0.553 χ^2/NDF:3479205.5/44

Out: 1573.544+/-0.312 χ^2/NDF:37469002.2/51

All: 2189.372+/-0.271 χ^2/NDF: 57180173.7/9



Right In: -893.226+/-552.619 χ^2/NDF: 14.6/21

Left Out: 119.959+/-389.458 χ^2/NDF:29.7/24

Right Out: 7.450+/-537.501 χ^2/NDF: 28.0/26

Left In: -741.191+/-404.161 χ^2/NDF:19.0/22

Left: -294.668+/-280.442 χ^2/NDF: 51.1/47

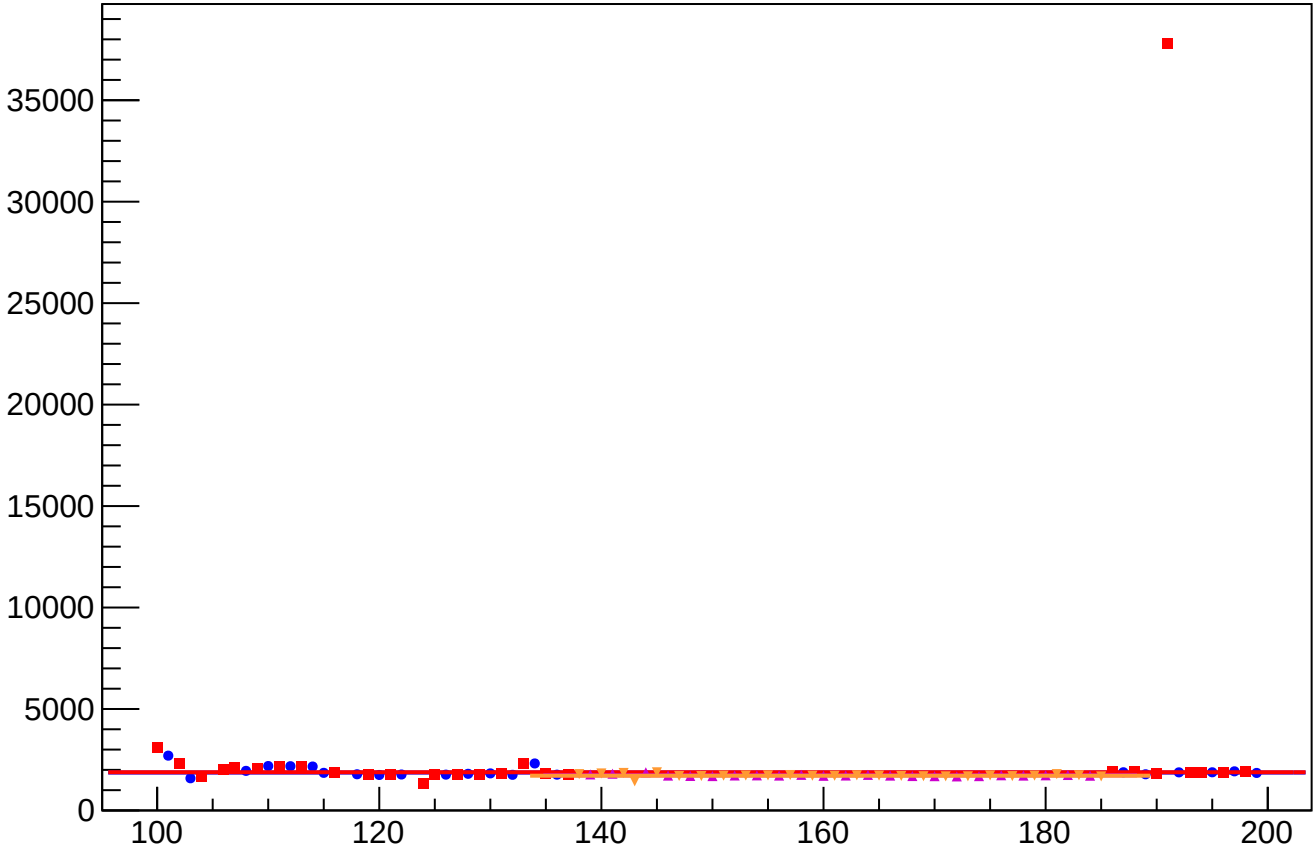
Right: -430.400+/-385.305 χ^2/NDF: 43.9/48

In: -794.172+/-326.225 χ^2/NDF:33.6/44

Out: 81.226+/-315.374 χ^2/NDF:57.7/51

All: -341.672+/-226.742 χ^2/NDF: 95.0/96

dit_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1867.357+/-0.391 χ^2/NDF: 260626.9/21

Left Out: 1712.310+/-0.275 χ^2/NDF:94399.0/24

Right Out: 1883.248+/-0.380 χ^2/NDF: 409076.4/26

Left In: 1730.342+/-0.286 χ^2/NDF:23075.7/22

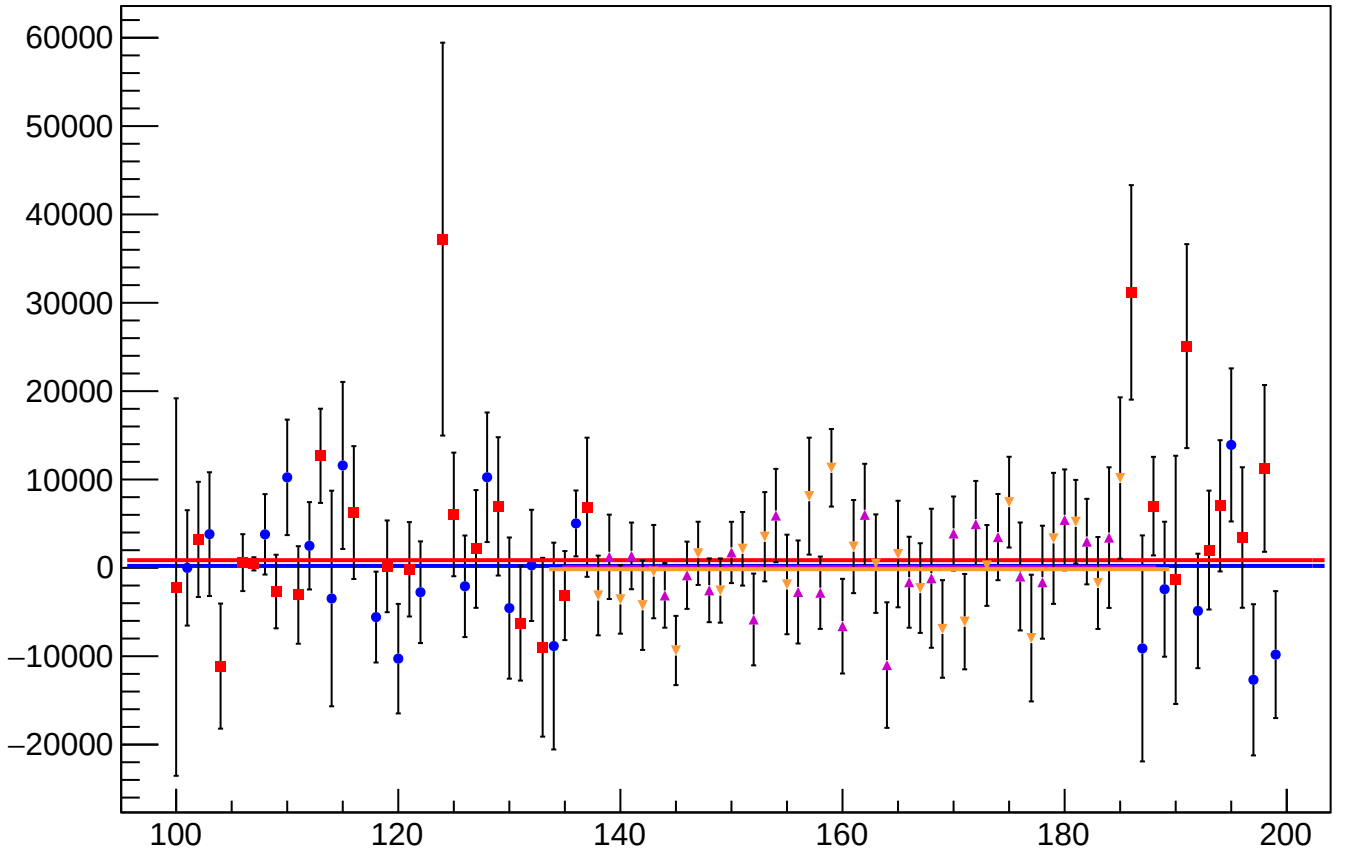
Left: 1720.992+/-0.198 χ^2/NDF: 119539.0/47

Right: 1875.527+/-0.272 χ^2/NDF: 670553.5/48

In: 1778.089+/-0.231 χ^2/NDF:363804.5/44

Out: 1771.195+/-0.223 χ^2/NDF:636201.7/51

All: 1774.525+/-0.160 χ^2/NDF: 1000468.0/96



Right In: 219.660+/-1372.689 χ^2/NDF: 22.0/21

Left Out: -150.169+/-984.984 χ^2/NDF:26.9/24

Right Out: 868.836+/-642.184 χ^2/NDF: 31.2/26

Left In: 65.169+/-1000.106 χ^2/NDF:14.0/22

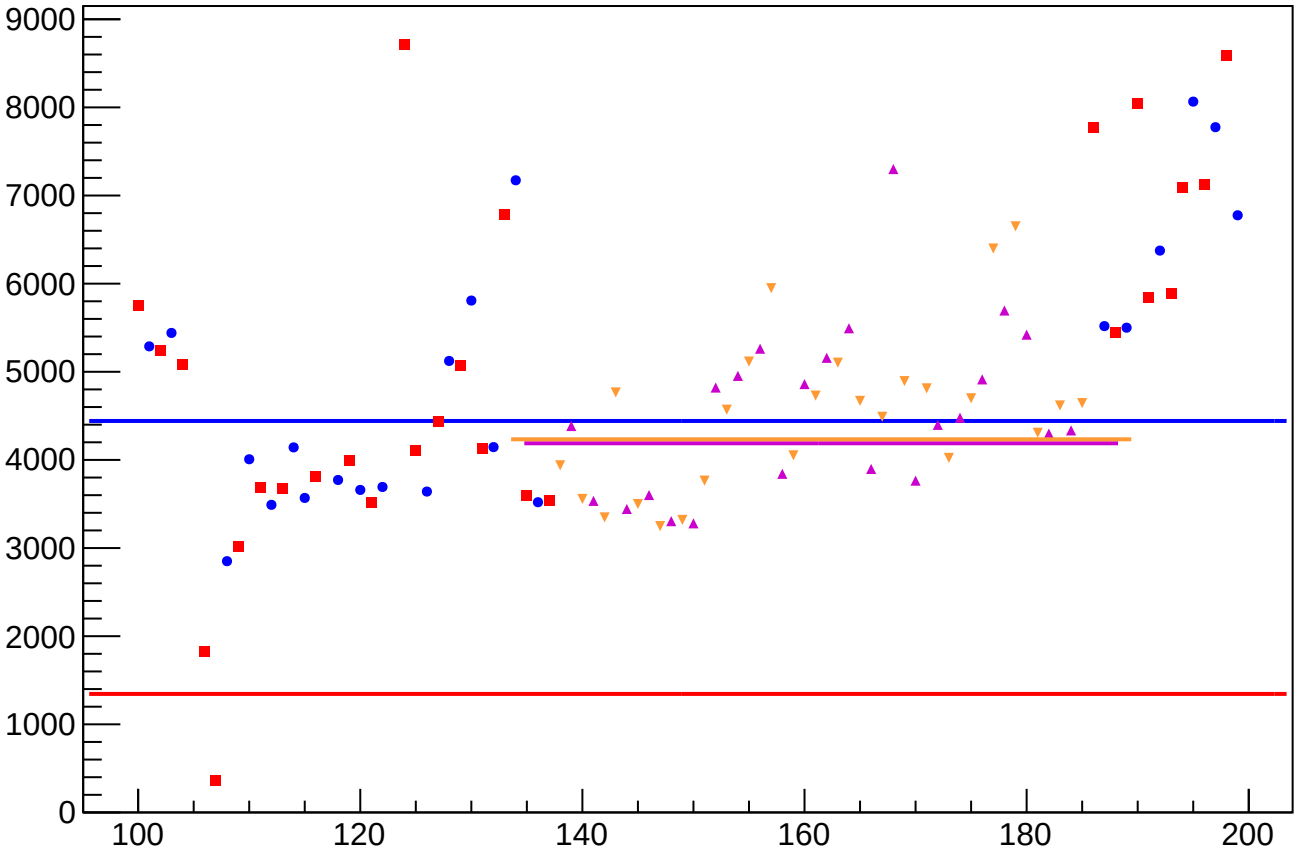
Left: -44.140+/-701.774 χ^2/NDF: 40.9/47

Right: 752.268+/-581.677 χ^2/NDF: 53.4/48

In: 118.740+/-808.321 χ^2/NDF:36.0/44

Out: 564.887+/-537.949 χ^2/NDF:58.8/51

All: 427.940+/-447.839 χ^2/NDF: 95.0/96



Right In: 4442.057+/-0.971 χ^2/NDF: 1964426.4/21

Left Out: 4233.905+/-0.696 χ^2/NDF:1284783.2/24

Right Out: 1344.929+/-0.454 χ^2/NDF: 16635012.0/26

Left In: 4188.874+/-0.707 χ^2/NDF:1344602.0/22

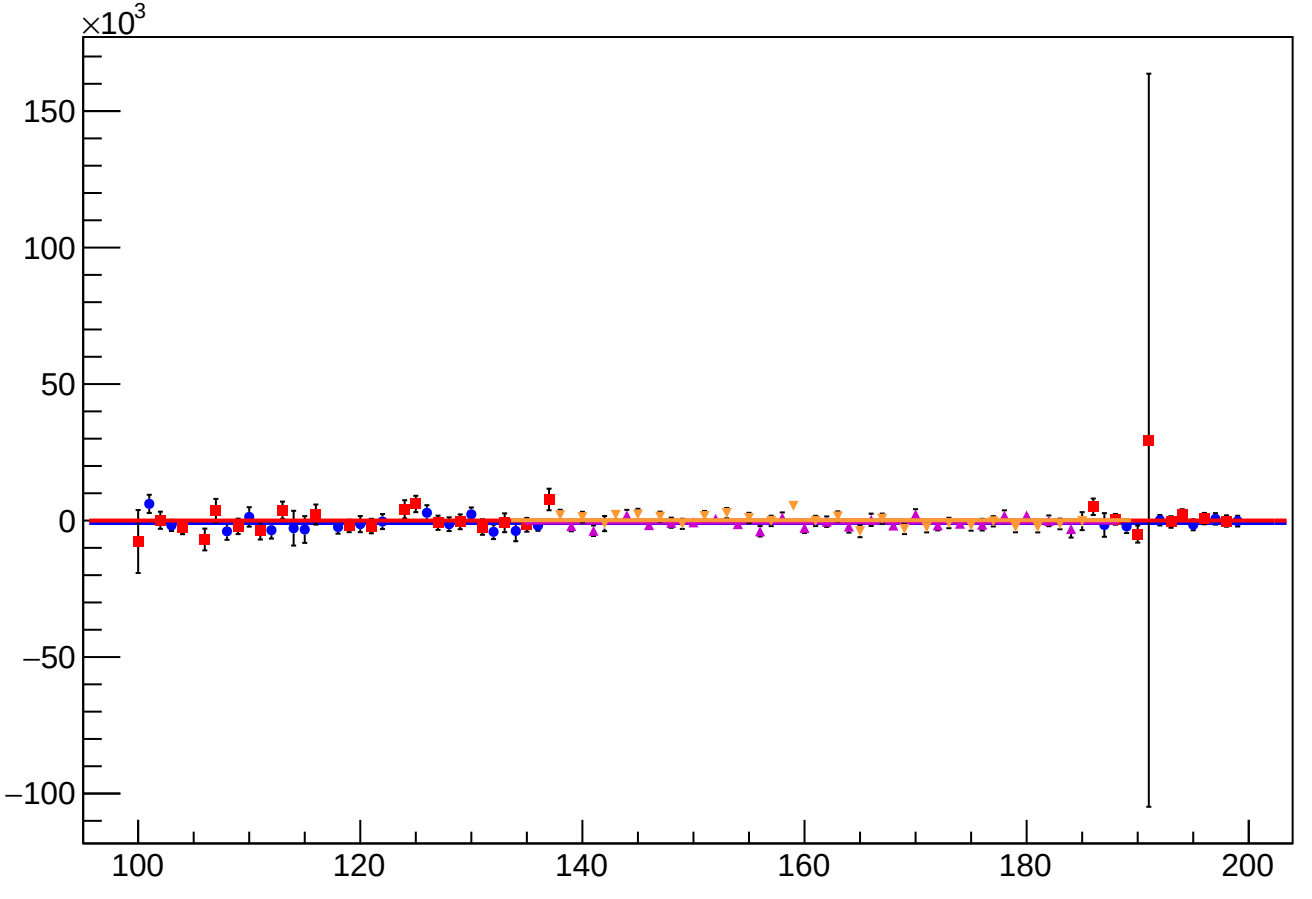
Left: 4211.733+/-0.496 χ^2/NDF: 2631443.5/47

Right: 1901.061+/-0.411 χ^2/NDF: 26952558.1/48

In: 4276.666+/-0.572 χ^2/NDF:3353474.1/44

Out: 2206.653+/-0.380 χ^2/NDF:29993021.2/51

All: 2842.055+/-0.317 χ^2/NDF: 42436609.5/9



Right In: -893.229+/-552.619 χ^2/NDF: 14.6/21

Left Out: 119.962+/-389.458 χ^2/NDF:29.7/24

Right Out: 7.448+/-537.501 χ^2/NDF: 28.0/26

Left In: -741.189+/-404.161 χ^2/NDF:19.0/22

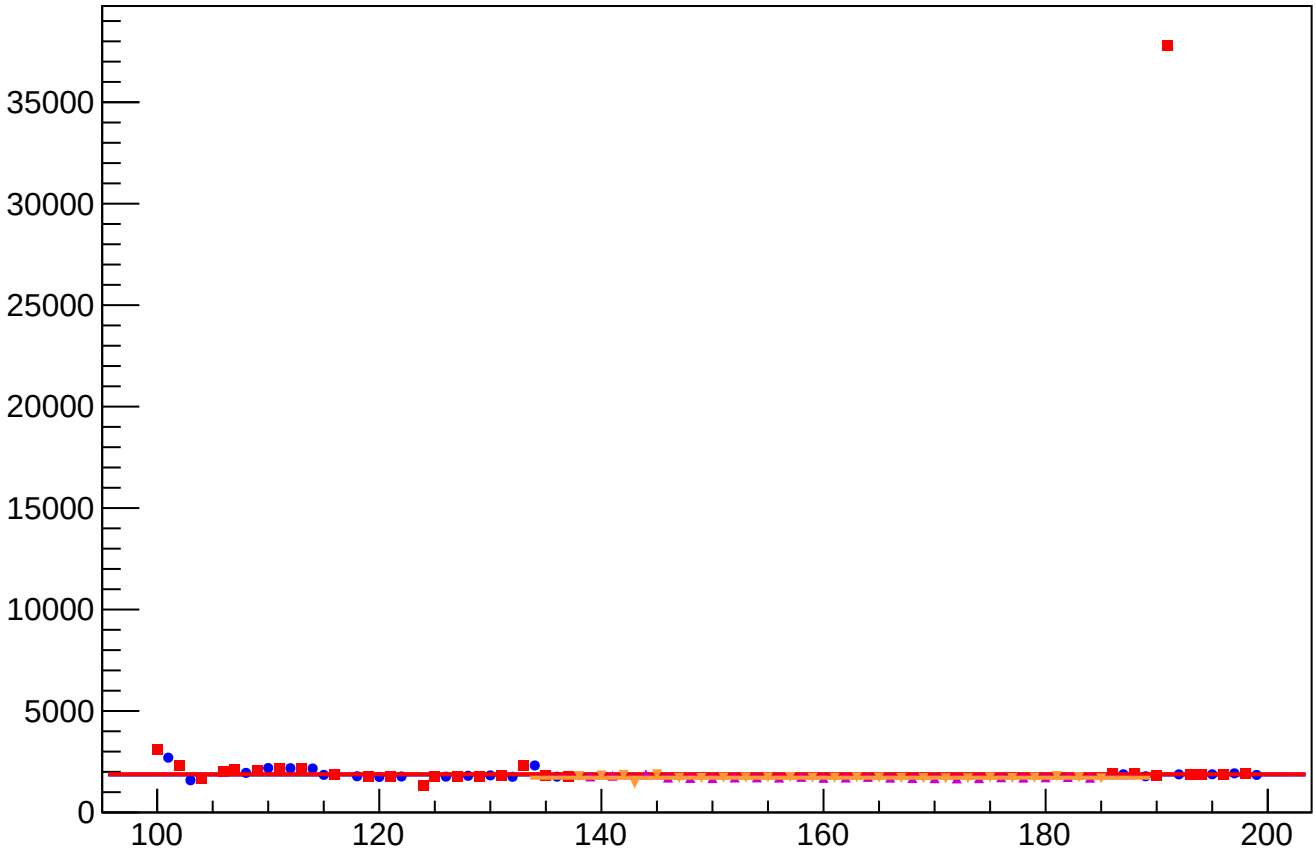
Left: -294.666+/-280.442 χ^2/NDF: 51.1/47

Right: -430.402+/-385.305 χ^2/NDF: 43.9/48

In: -794.173+/-326.225 χ^2/NDF:33.6/44

Out: 81.227+/-315.374 χ^2/NDF:57.7/51

All: -341.672+/-226.742 χ^2/NDF: 95.0/96



Right In: 1867.357+/-0.391 χ^2/NDF: 260626.8/21

Left Out: 1712.310+/-0.275 χ^2/NDF:94398.1/24

Right Out: 1883.248+/-0.380 χ^2/NDF: 409076.8/26

Left In: 1730.342+/-0.286 χ^2/NDF:23075.7/22

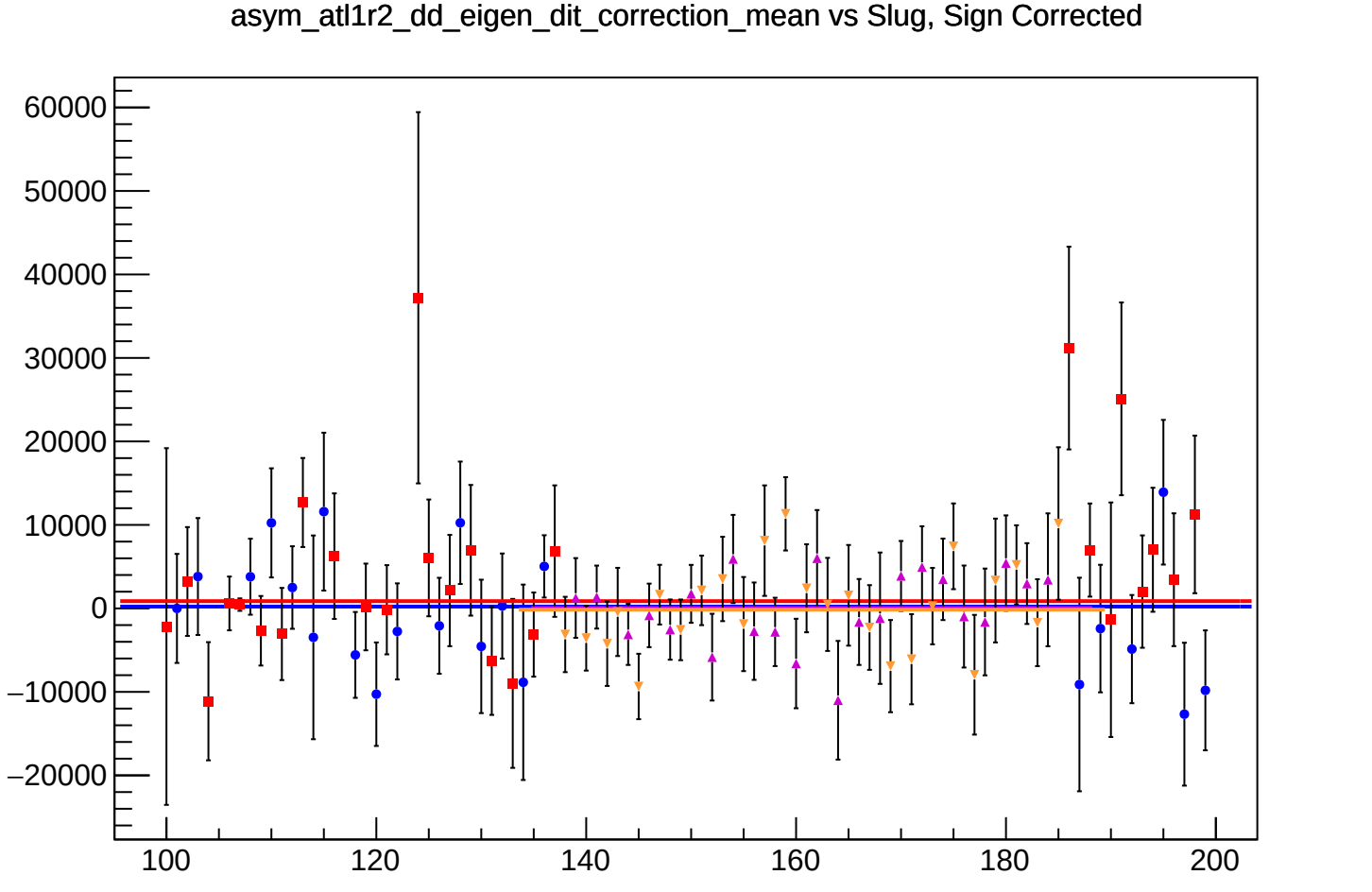
Left: 1720.992+/-0.198 χ^2/NDF: 119538.1/47

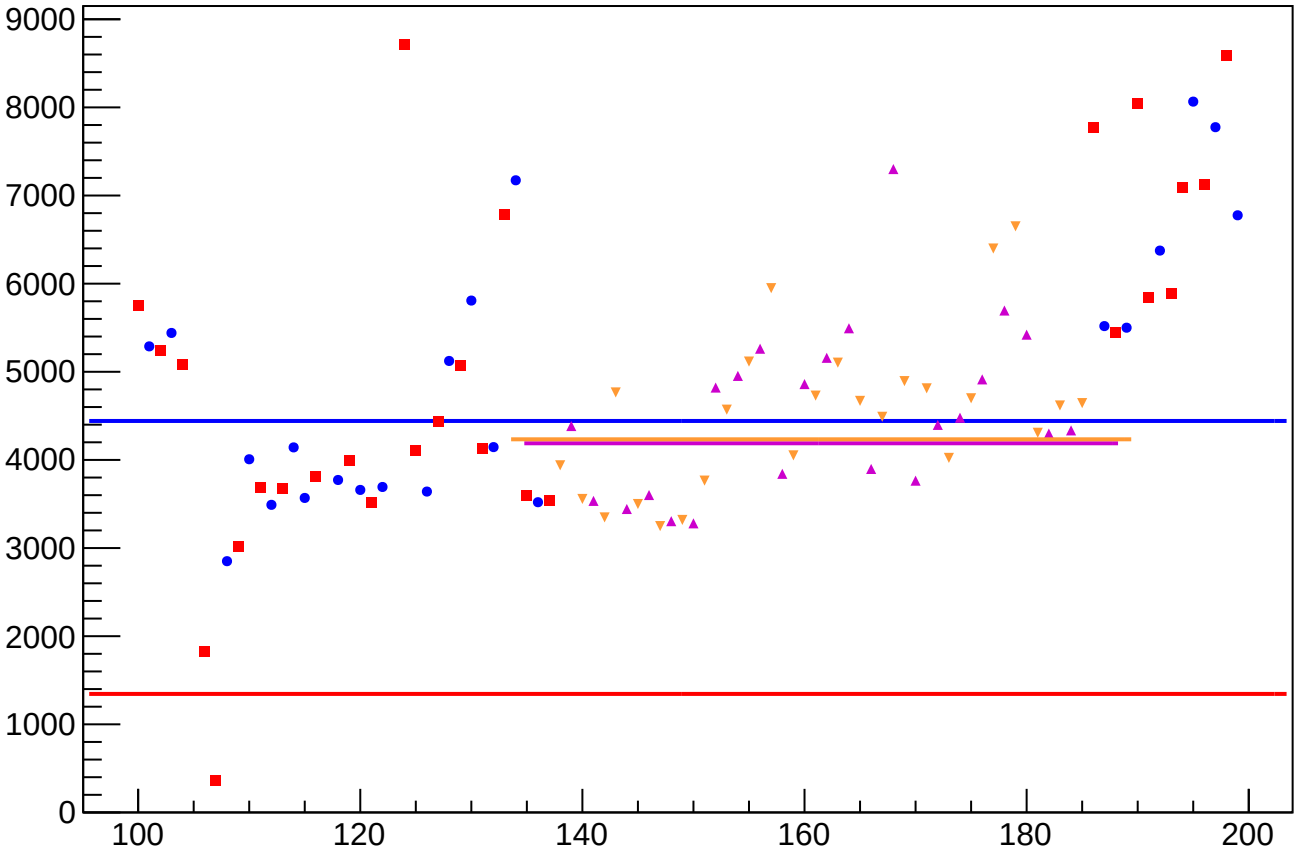
Right: 1875.527+/-0.272 χ^2/NDF: 670553.8/48

In: 1778.090+/-0.231 χ^2/NDF:363803.6/44

Out: 1771.196+/-0.223 χ^2/NDF:636200.2/51

All: 1774.526+/-0.160 χ^2/NDF: 1000465.6/96


asym_atl1r2_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
60000
50000
40000
30000
20000
10000
0
−10000
−20000
100
120
140
160
180
200
Right In: 219.647+/-1372.687 χ²/NDF: 22.0/21
Left Out: -150.169+/-984.986 χ²/NDF:26.9/24
Right Out: 868.855+/-642.194 χ²/NDF: 31.2/26
Left In: 65.171+/-1000.108 χ²/NDF:14.0/22
Left: -44.139+/-701.775 χ²/NDF: 40.9/47
Right: 752.277+/-581.684 χ²/NDF: 53.4/48
In: 118.737+/-808.322 χ²/NDF:36.0/44
Out: 564.894+/-537.956 χ²/NDF:58.8/51
All: 427.942+/-447.843 χ²/NDF: 95.0/96



Right In: 4442.051+/-0.971 χ^2/NDF: 1964434.8/21

Left Out: 4233.911+/-0.696 χ^2/NDF:1284785.6/24

Right Out: 1344.966+/-0.454 χ^2/NDF: 16634796.9/26

Left In: 4188.880+/-0.707 χ^2/NDF:1344607.0/22

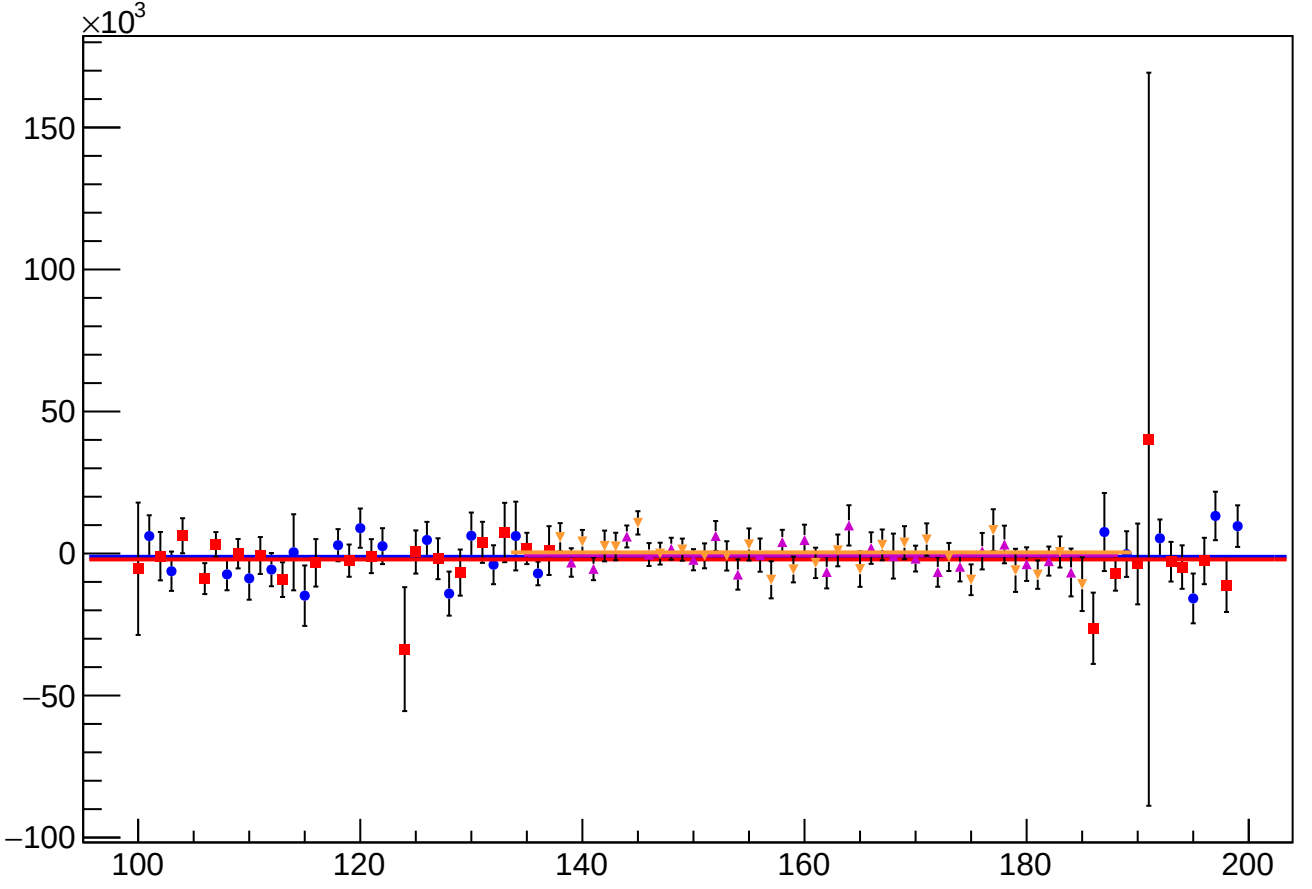
Left: 4211.738+/-0.496 χ^2/NDF: 2631450.8/47

Right: 1901.107+/-0.411 χ^2/NDF: 26952085.7/48

In: 4276.669+/-0.572 χ^2/NDF:3353483.2/44

Out: 2206.698+/-0.380 χ^2/NDF:29992406.7/51

All: 2842.097+/-0.317 χ^2/NDF: 42435554.6/9



Right In: -1167.207+/-1505.477 χ^2/NDF: 25.2/21

Left Out: 398.336+/-1028.431 χ^2/NDF:24.7/24

Right Out: -2075.790+/-1384.090 χ^2/NDF: 16.8/26

Left In: -502.999+/-1049.682 χ^2/NDF:17.3/22

Left: -43.115+/-734.609 χ^2/NDF: 42.4/47

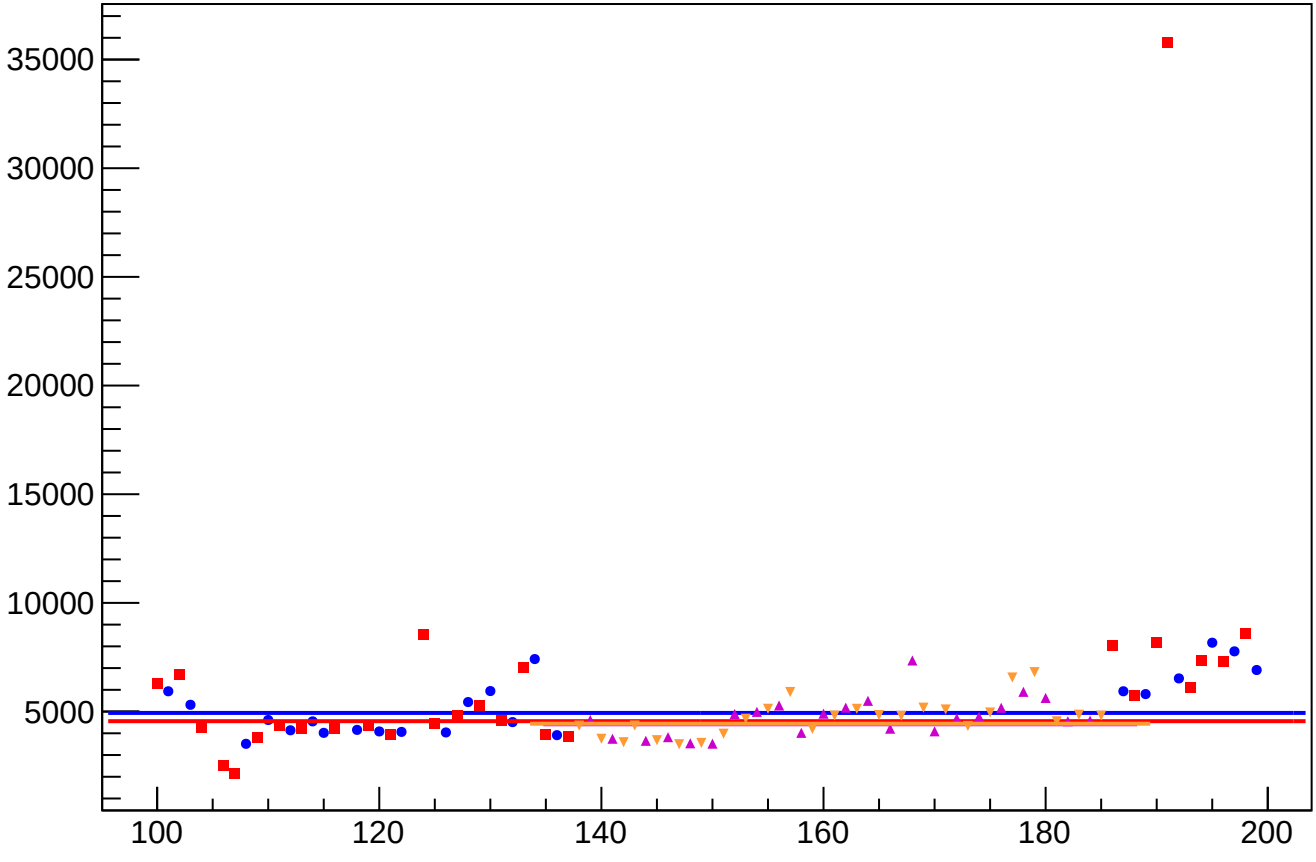
Right: -1659.599+/-1018.915 χ^2/NDF: 42.3/48

In: -720.274+/-861.047 χ^2/NDF:42.7/44

Out: -481.744+/-825.495 χ^2/NDF:43.6/51

All: -595.983+/-595.886 χ^2/NDF: 86.4/96

asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 4937.203+/-1.065 χ^2/NDF: 1412974.5/21

Left Out: 4440.810+/-0.727 χ^2/NDF:1073119.1/24

Right Out: 4557.250+/-0.971 χ^2/NDF: 2869337.0/26

Left In: 4415.366+/-0.742 χ^2/NDF:1111411.1/22

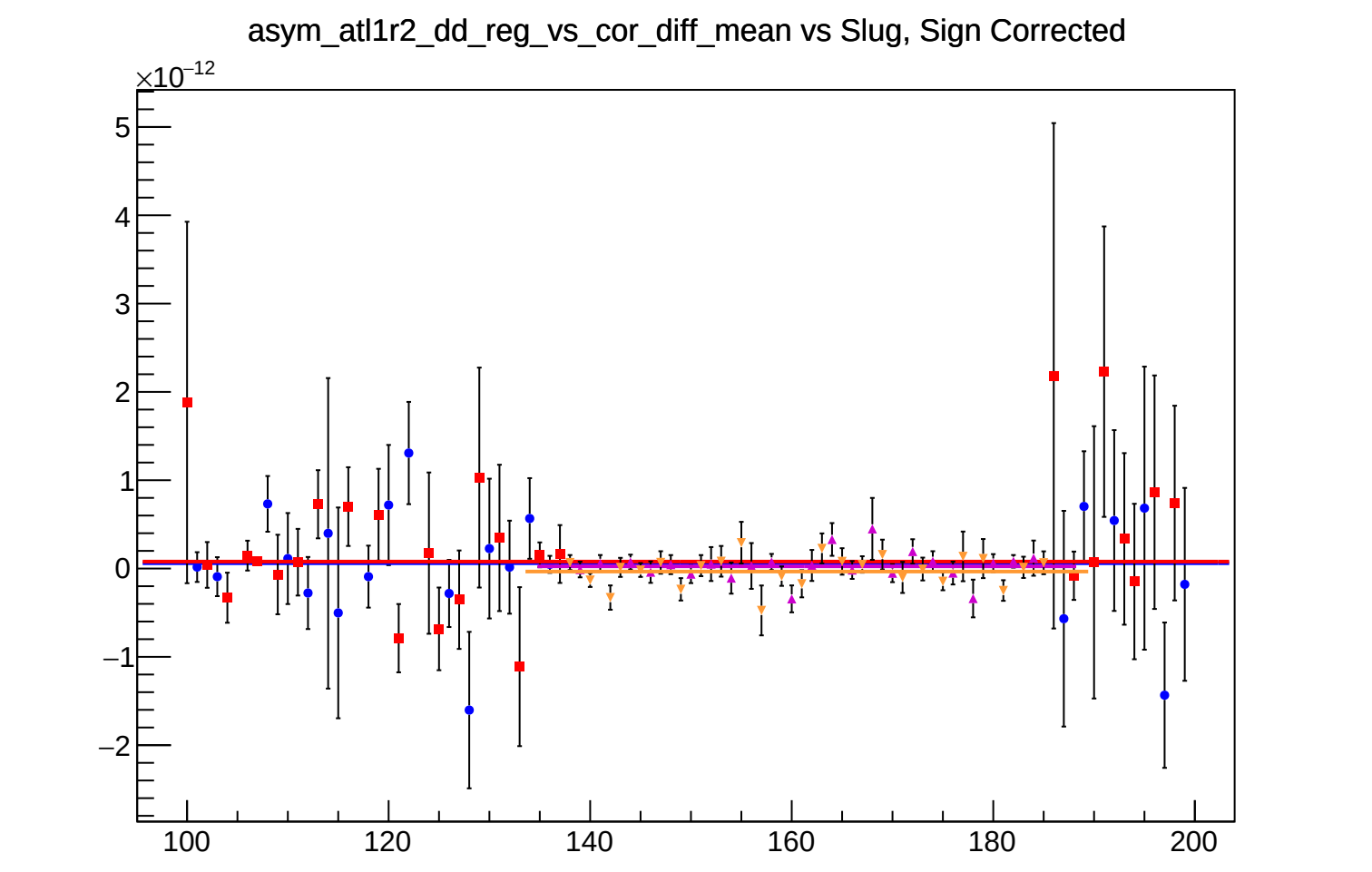
Left: 4428.348+/-0.519 χ^2/NDF: 2185129.8/47

Right: 4729.786+/-0.717 χ^2/NDF: 4351854.8/48

In: 4586.069+/-0.609 χ^2/NDF:2686077.8/44

Out: 4482.657+/-0.582 χ^2/NDF:3951670.1/51

All: 4532.036+/-0.421 χ^2/NDF: 6652820.9/96



Right In: 0.000+/-0.000 χ^2/NDF: 22.5/21

Left Out: -0.000+/-0.000 χ^2/NDF:28.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 23.5/26

Left In: 0.000+/-0.000 χ^2/NDF:19.3/22

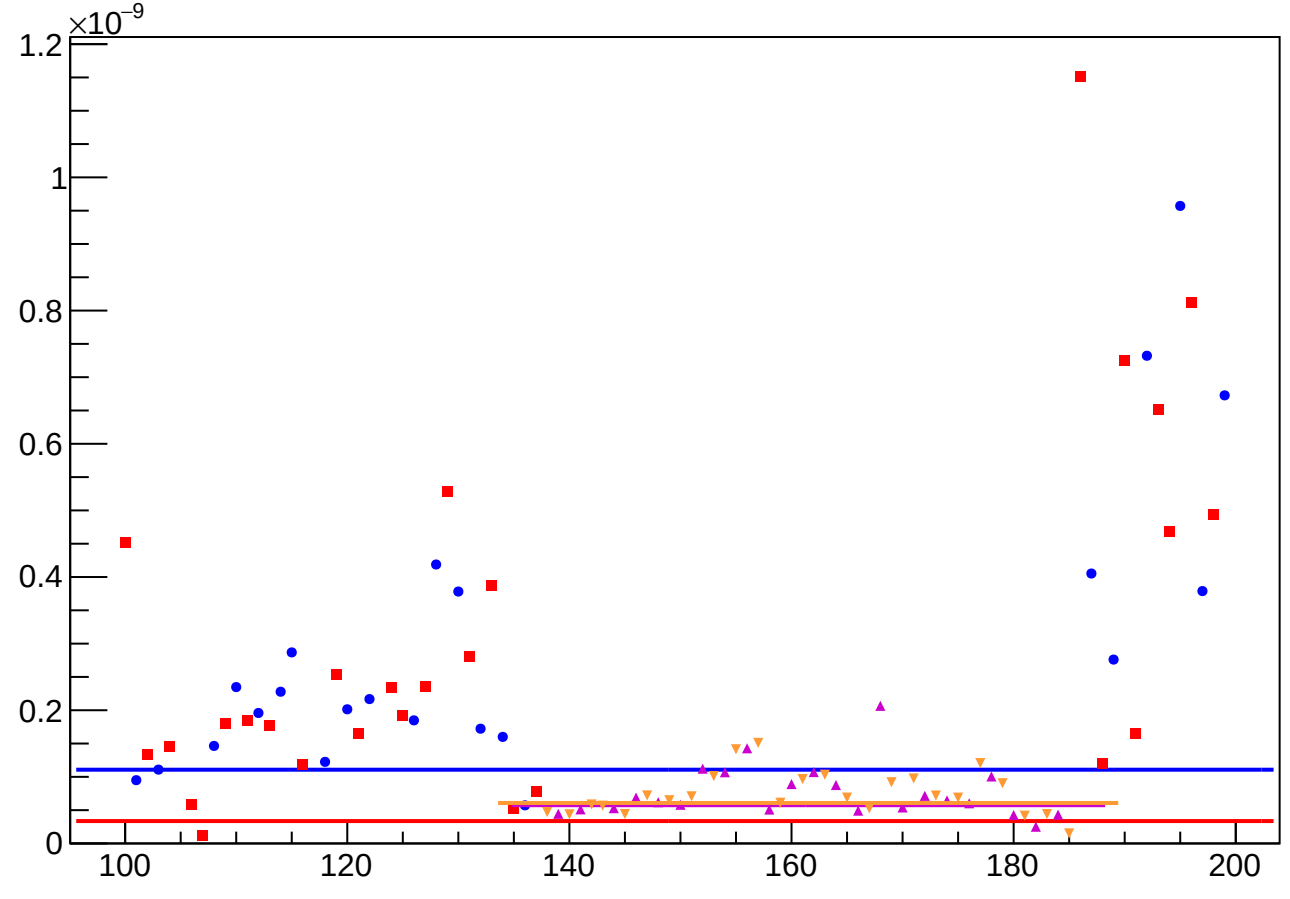
Left: -0.000+/-0.000 χ^2/NDF: 50.6/47

Right: 0.000+/-0.000 χ^2/NDF: 46.1/48

In: 0.000+/-0.000 χ^2/NDF:42.0/44

Out: 0.000+/-0.000 χ^2/NDF:59.5/51

All: 0.000+/-0.000 χ^2/NDF: 102.1/96



Right In: 0.000+/-0.000 χ^2/NDF: 3910733.3/21

Left Out: 0.000+/-0.000 χ^2/NDF:1723737.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7652431.6/26

Left In: 0.000+/-0.000 χ^2/NDF:1878360.3/22

Left: 0.000+/-0.000 χ^2/NDF: 3620409.0/47

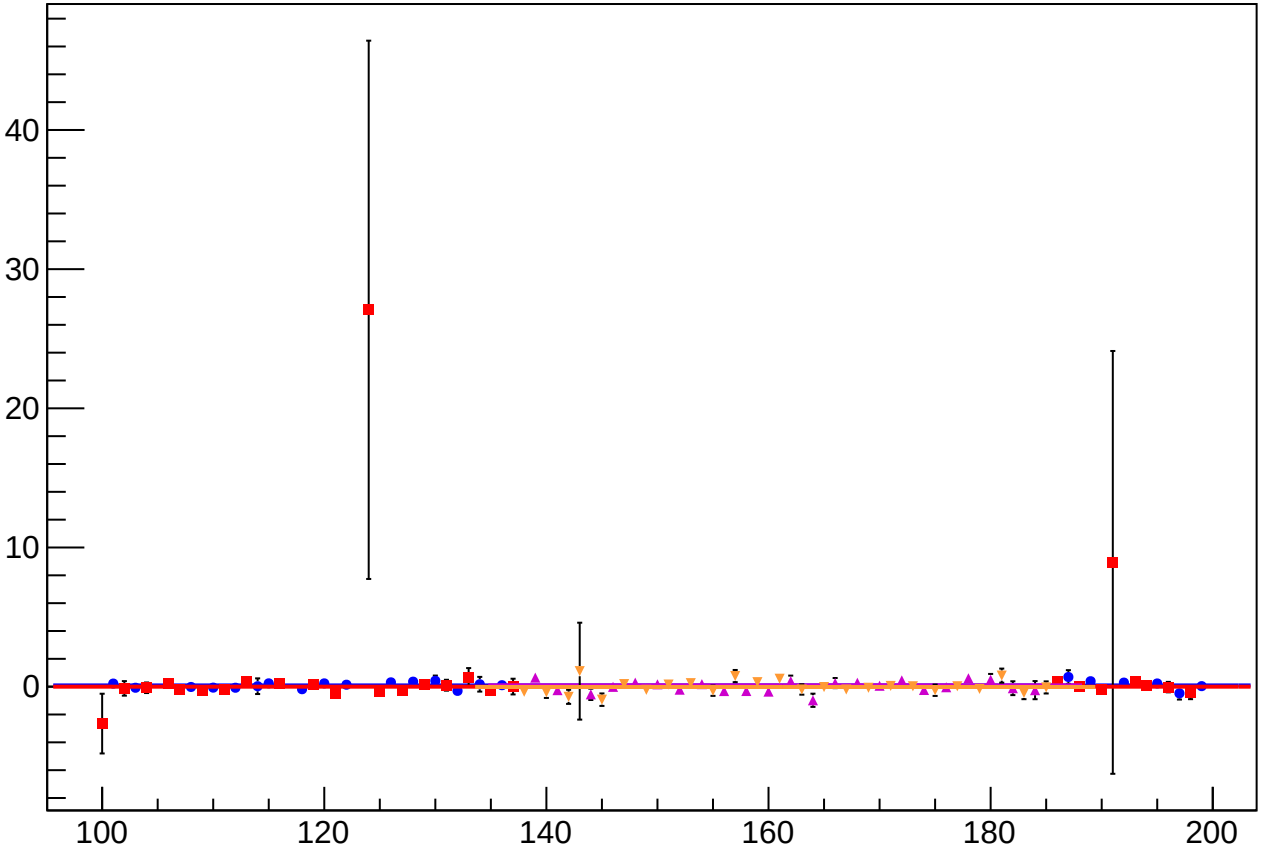
Right: 0.000+/-0.000 χ^2/NDF: 13694211.8/48

In: 0.000+/-0.000 χ^2/NDF:6903479.7/44

Out: 0.000+/-0.000 χ^2/NDF:10246272.6/51

All: 0.000+/-0.000 χ^2/NDF: 17501096.9/96

asym_atl1r2_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.090+/-0.058 χ^2/NDF: 13.8/21

Left Out: -0.024+/-0.062 χ^2/NDF:23.5/24

Right Out: -0.001+/-0.051 χ^2/NDF: 27.3/26

Left In: 0.095+/-0.063 χ^2/NDF:31.5/22

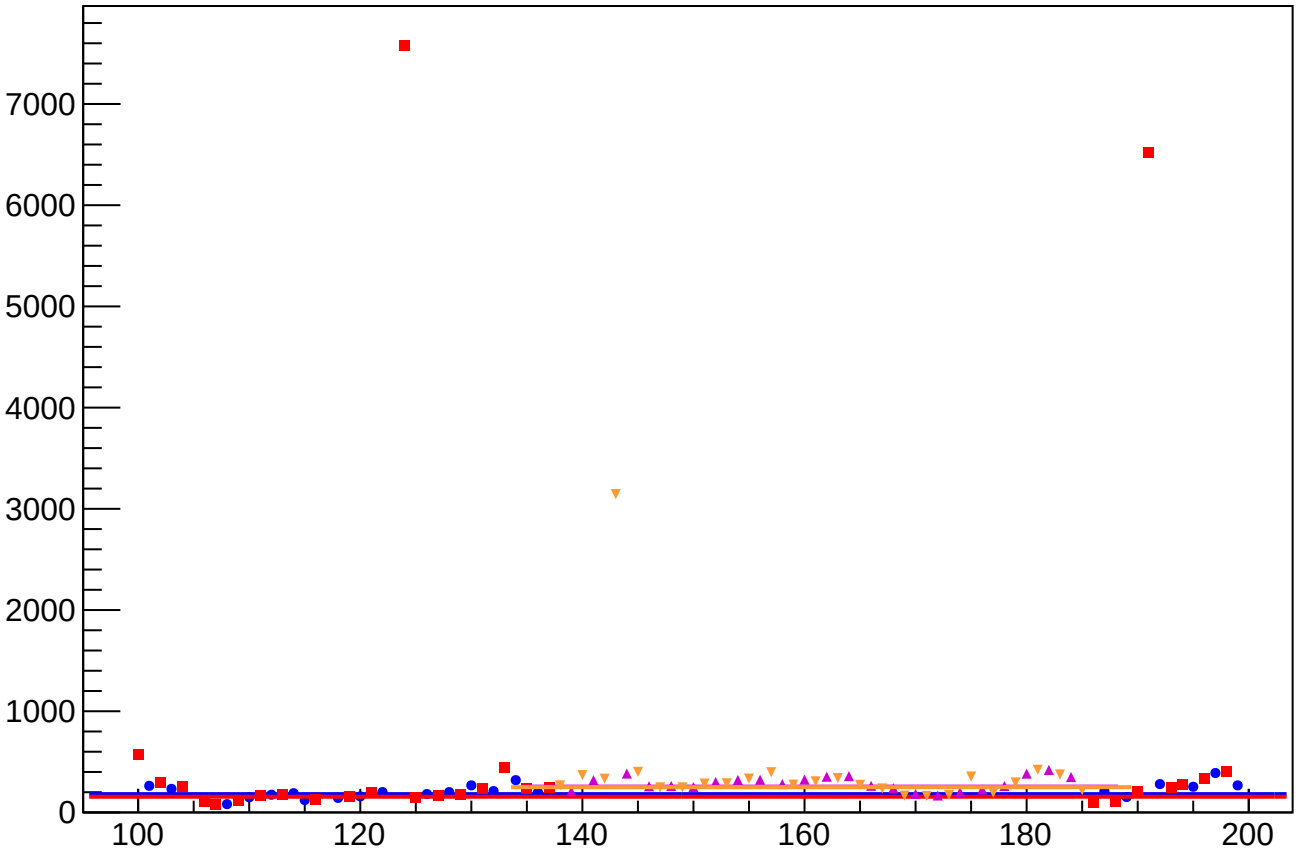
Left: 0.034+/-0.044 χ^2/NDF: 56.9/47

Right: 0.038+/-0.038 χ^2/NDF: 42.5/48

In: 0.092+/-0.043 χ^2/NDF:45.3/44

Out: -0.010+/-0.039 χ^2/NDF:50.9/51

All: 0.037+/-0.029 χ^2/NDF: 99.4/96



Right In: 181.136+/-0.041 χ^2/NDF: 2619341.3/21

Left Out: 249.848+/-0.044 χ^2/NDF:4234507.4/24

Right Out: 155.374+/-0.036 χ^2/NDF: 4414960.8/26

Left In: 255.299+/-0.045 χ^2/NDF:2111552.0/22

Left: 252.513+/-0.031 χ^2/NDF: 6353711.9/47

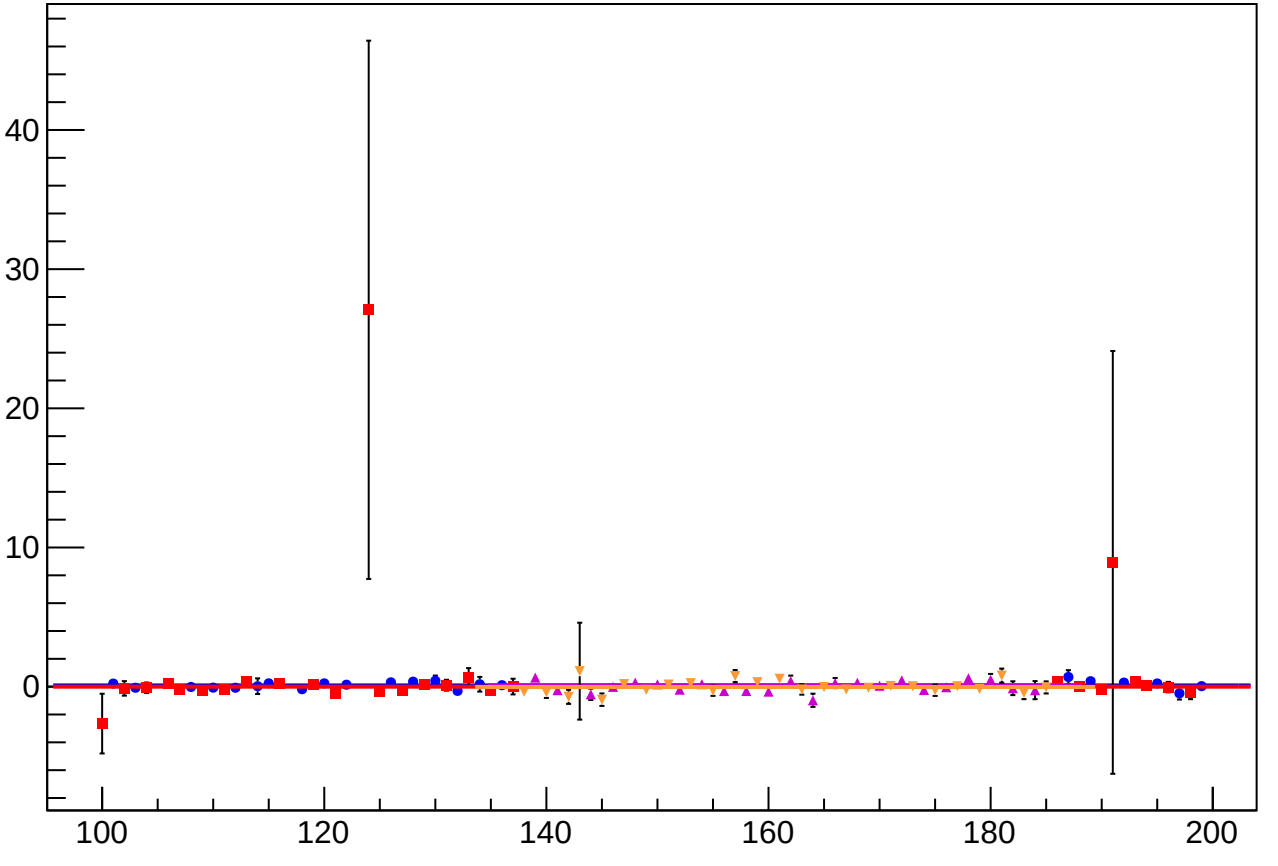
Right: 166.439+/-0.027 χ^2/NDF: 7256734.2/48

In: 215.377+/-0.030 χ^2/NDF:6222790.6/44

Out: 193.447+/-0.028 χ^2/NDF:11456241.7/51

All: 203.426+/-0.020 χ^2/NDF: 17965083.3/96

asym_atl1r2_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.090+/-0.058 χ^2/NDF: 13.8/21

Left Out: -0.024+/-0.062 χ^2/NDF:23.5/24

Right Out: -0.001+/-0.051 χ^2/NDF: 27.3/26

Left In: 0.095+/-0.063 χ^2/NDF:31.5/22

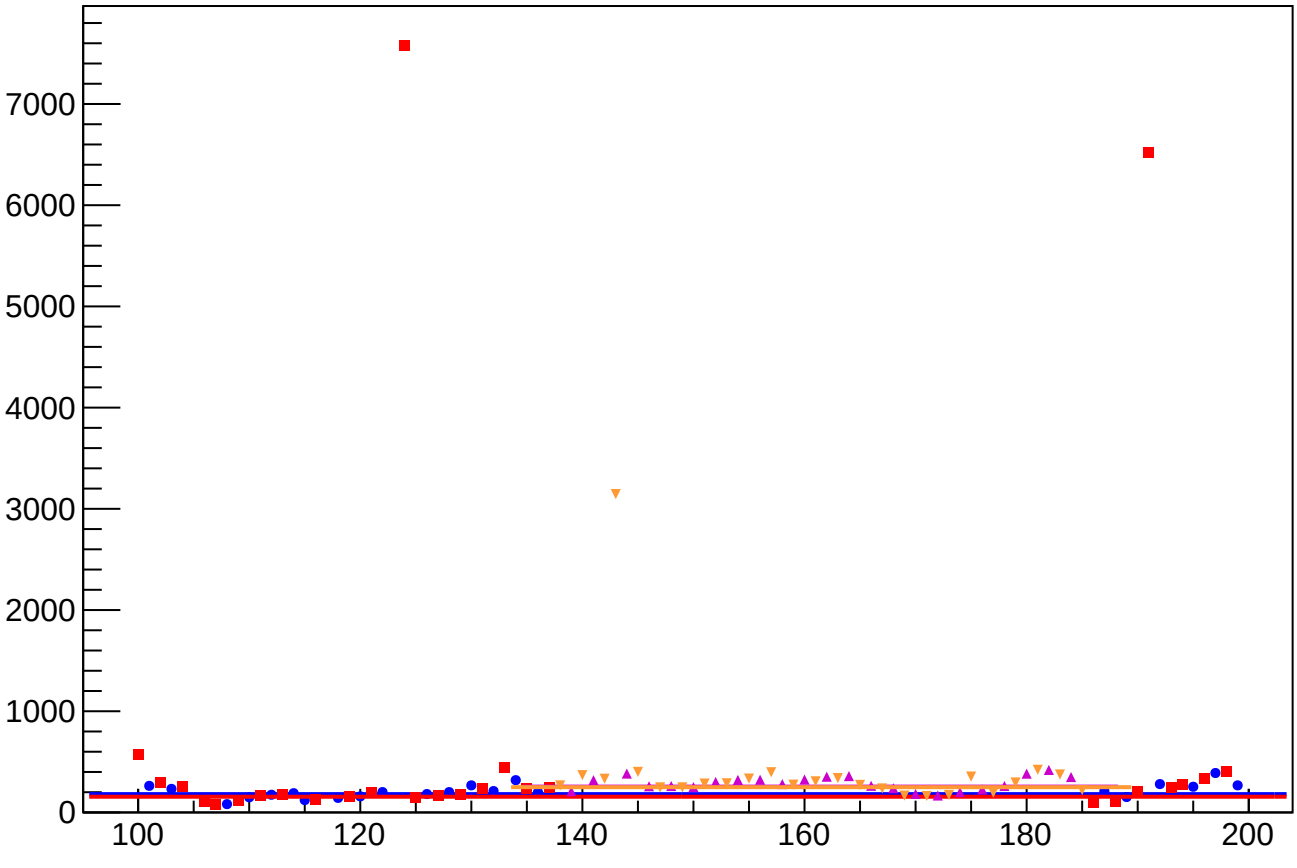
Left: 0.034+/-0.044 χ^2/NDF: 56.9/47

Right: 0.038+/-0.038 χ^2/NDF: 42.5/48

In: 0.092+/-0.043 χ^2/NDF:45.3/44

Out: -0.010+/-0.039 χ^2/NDF:50.9/51

All: 0.037+/-0.029 χ^2/NDF: 99.4/96



Right In: 181.136+/-0.041 χ^2/NDF: 2619341.3/21

Left Out: 249.848+/-0.044 χ^2/NDF:4234507.4/24

Right Out: 155.374+/-0.036 χ^2/NDF: 4414960.8/26

Left In: 255.299+/-0.045 χ^2/NDF:2111552.0/22

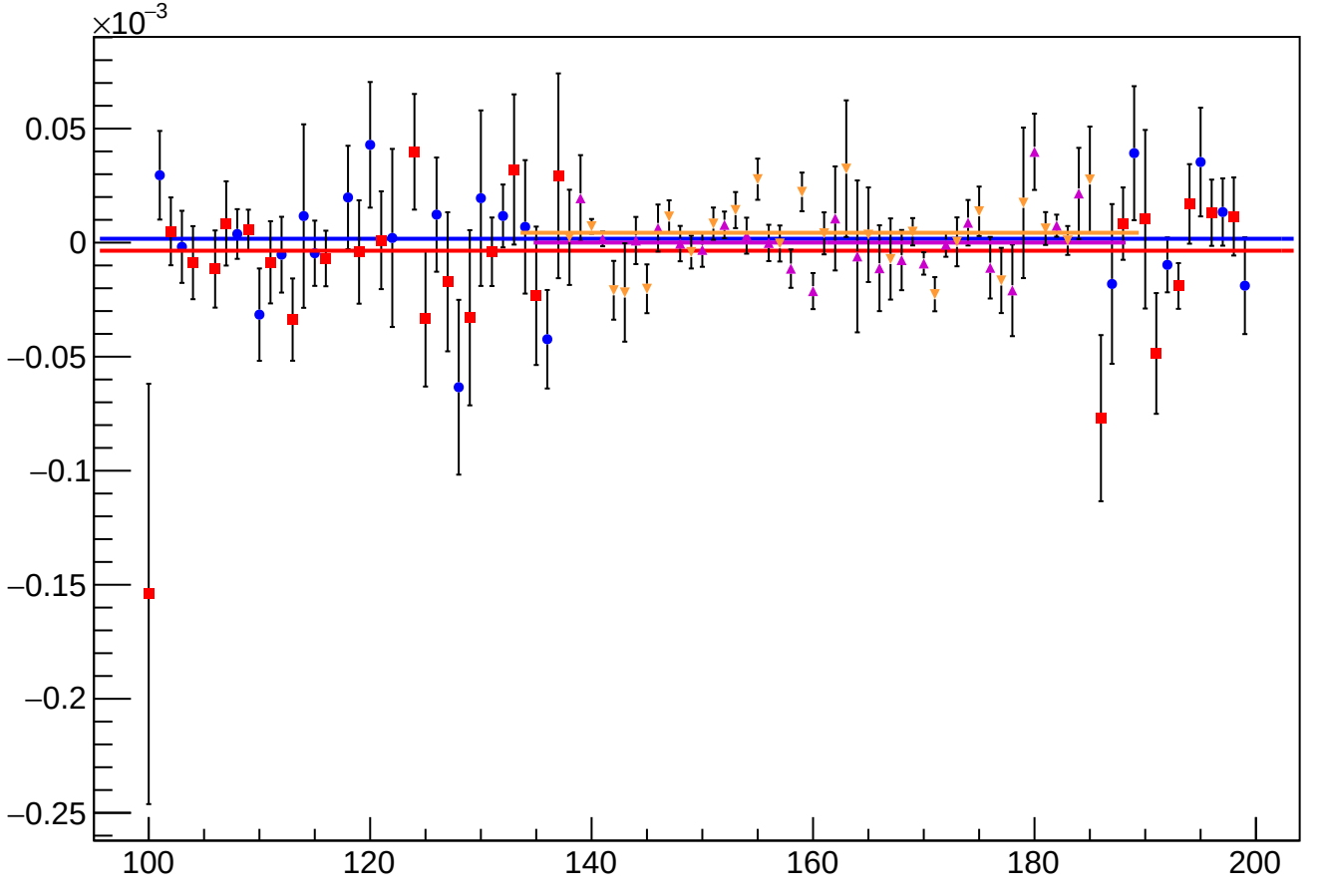
Left: 252.513+/-0.031 χ^2/NDF: 6353711.9/47

Right: 166.439+/-0.027 χ^2/NDF: 7256734.2/48

In: 215.377+/-0.030 χ^2/NDF:6222790.6/44

Out: 193.447+/-0.028 χ^2/NDF:11456241.7/51

All: 203.426+/-0.020 χ^2/NDF: 17965083.3/96



Right In: 0.000+/-0.000 χ^2/NDF: 22.6/21

Left Out: 0.000+/-0.000 χ^2/NDF:46.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 28.1/26

Left In: 0.000+/-0.000 χ^2/NDF:29.0/22

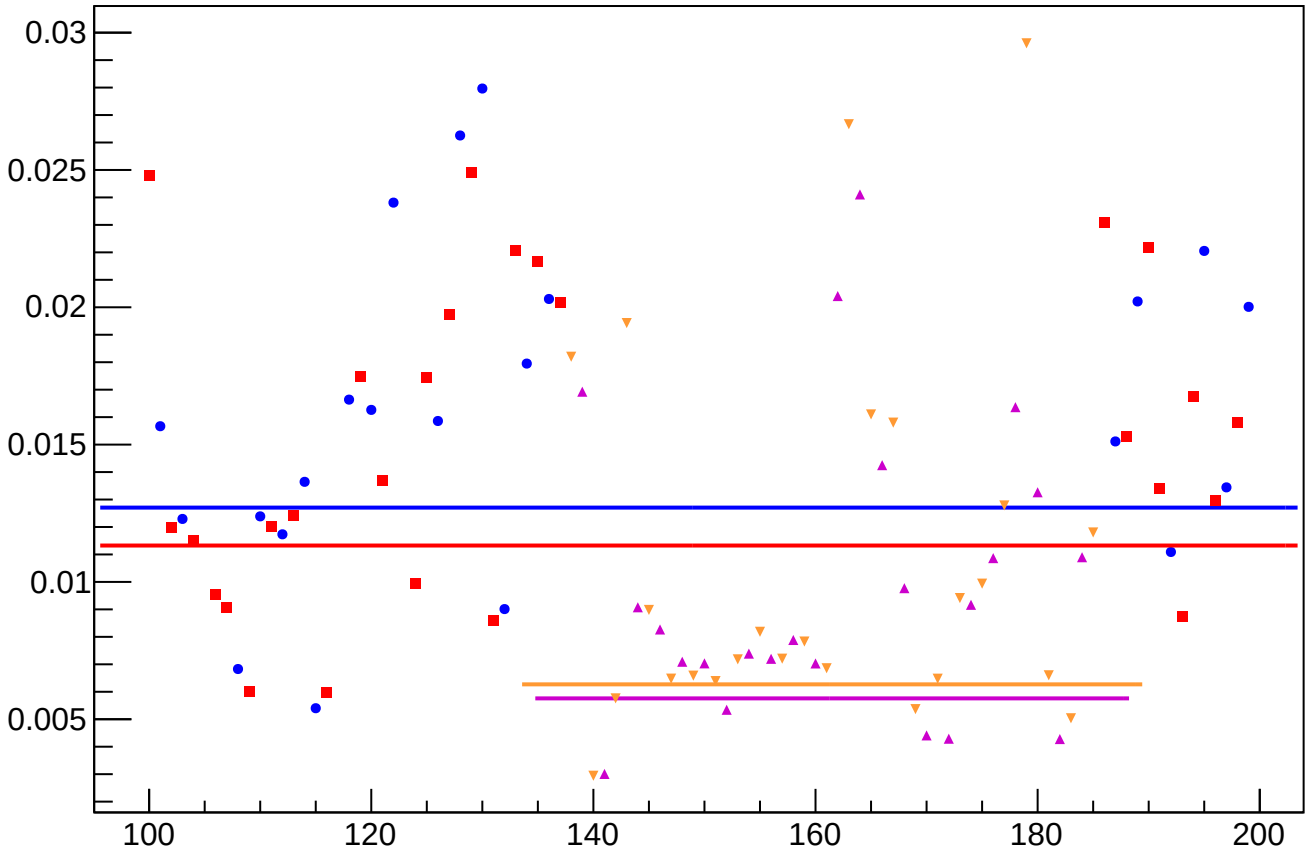
Left: 0.000+/-0.000 χ^2/NDF: 78.6/47

Right: -0.000+/-0.000 χ^2/NDF: 51.6/48

In: 0.000+/-0.000 χ^2/NDF:51.7/44

Out: 0.000+/-0.000 χ^2/NDF:78.4/51

All: 0.000+/-0.000 χ^2/NDF: 131.7/96



Right In: 0.013+/-0.000 χ^2/NDF: 3193910.3/21

Left Out: 0.006+/-0.000 χ^2/NDF:7909965.6/24

Right Out: 0.011+/-0.000 χ^2/NDF: 3432054.3/26

Left In: 0.006+/-0.000 χ^2/NDF:7081814.9/22

Left: 0.006+/-0.000 χ^2/NDF: 15091688.1/47

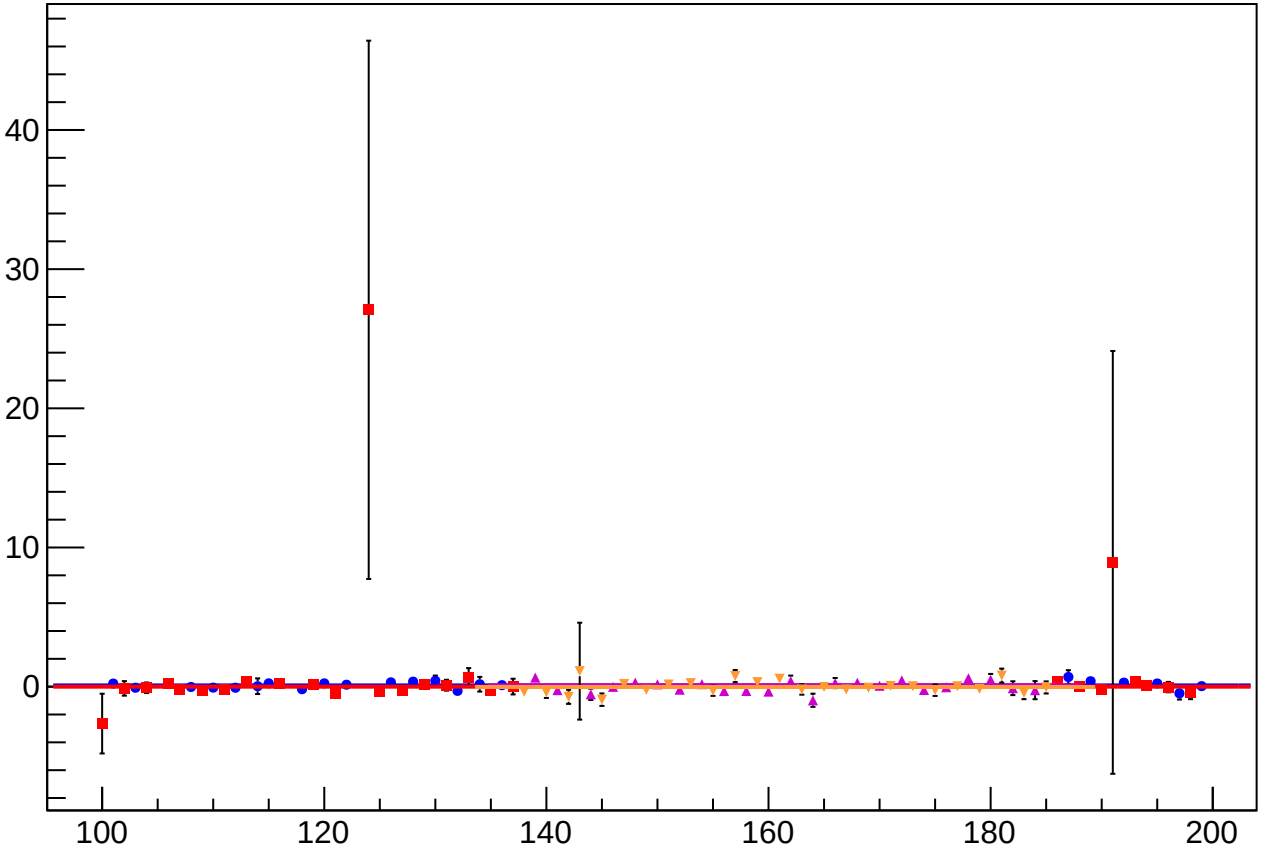
Right: 0.012+/-0.000 χ^2/NDF: 6758828.9/48

In: 0.007+/-0.000 χ^2/NDF:15279107.7/44

Out: 0.007+/-0.000 χ^2/NDF:14831731.4/51

All: 0.007+/-0.000 χ^2/NDF: 30249411.4/96

asym_atl1r2_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.090+/-0.058 χ^2/NDF: 13.8/21

Left Out: -0.024+/-0.062 χ^2/NDF:23.5/24

Right Out: -0.001+/-0.051 χ^2/NDF: 27.3/26

Left In: 0.095+/-0.063 χ^2/NDF:31.5/22

Left: 0.034+/-0.044 χ^2/NDF: 56.9/47

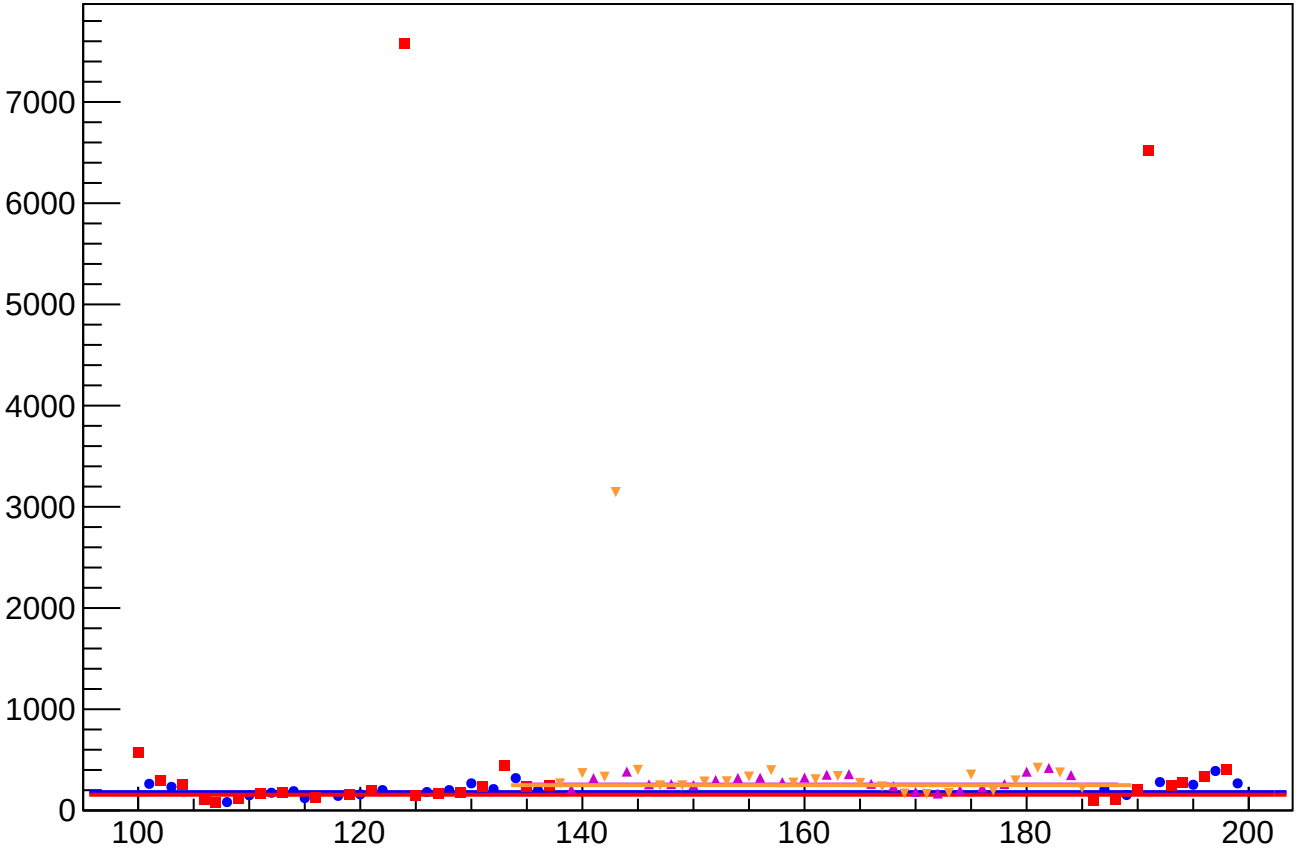
Right: 0.038+/-0.038 χ^2/NDF: 42.5/48

In: 0.092+/-0.043 χ^2/NDF:45.3/44

Out: -0.010+/-0.039 χ^2/NDF:50.9/51

All: 0.037+/-0.029 χ^2/NDF: 99.4/96

asym_atl1r2_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 181.134+/-0.041 χ^2/NDF: 2619381.2/21

Left Out: 249.850+/-0.044 χ^2/NDF:4234600.7/24

Right Out: 155.377+/-0.036 χ^2/NDF: 4414834.1/26

Left In: 255.302+/-0.045 χ^2/NDF:2111585.0/22

Left: 252.515+/-0.031 χ^2/NDF: 6353840.1/47

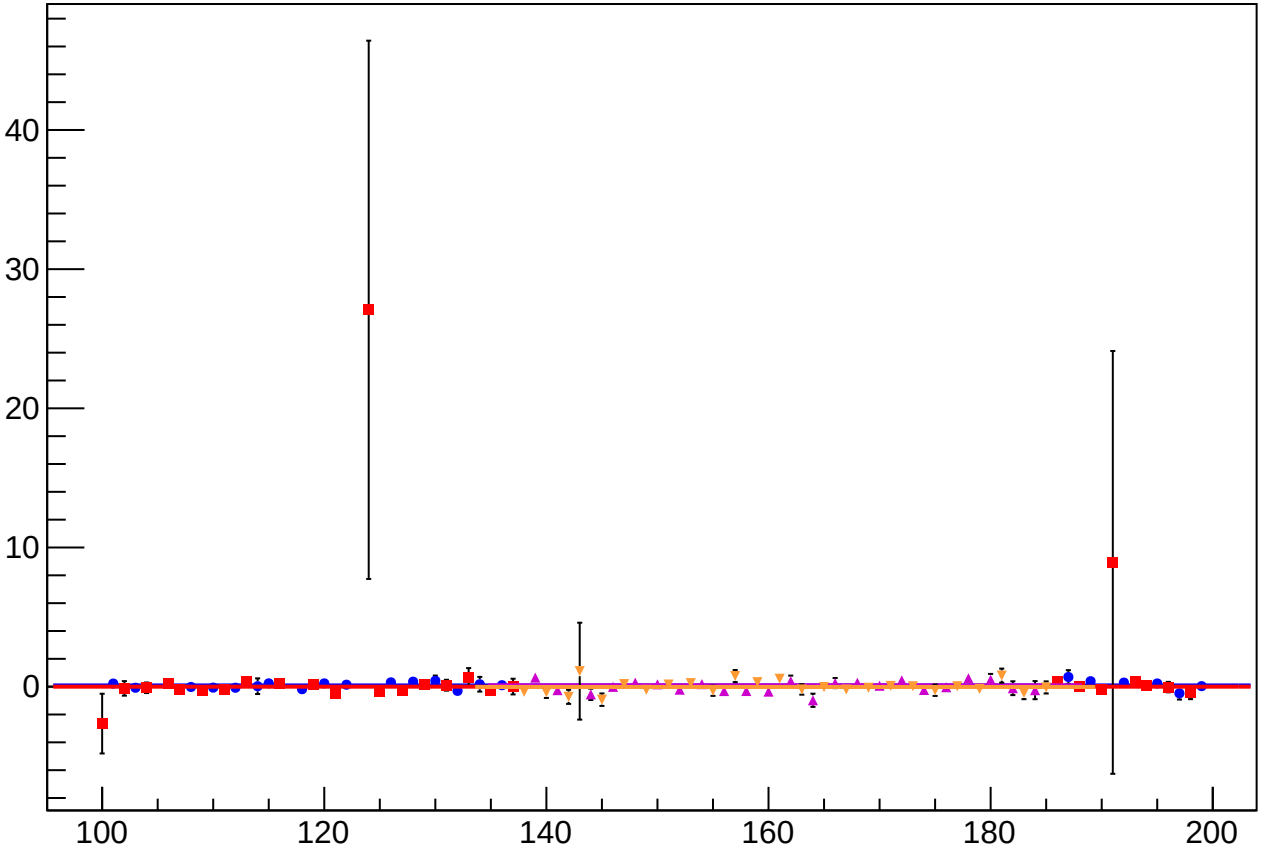
Right: 166.440+/-0.027 χ^2/NDF: 7256574.0/48

In: 215.376+/-0.030 χ^2/NDF:6223037.7/44

Out: 193.449+/-0.028 χ^2/NDF:11456122.4/51

All: 203.426+/-0.020 χ^2/NDF: 17965134.6/96

asym_atl1r2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.090+/-0.058 χ^2/NDF: 13.8/21

Left Out: -0.024+/-0.062 χ^2/NDF:23.5/24

Right Out: -0.001+/-0.051 χ^2/NDF: 27.3/26

Left In: 0.095+/-0.063 χ^2/NDF:31.5/22

Left: 0.034+/-0.044 χ^2/NDF: 56.9/47

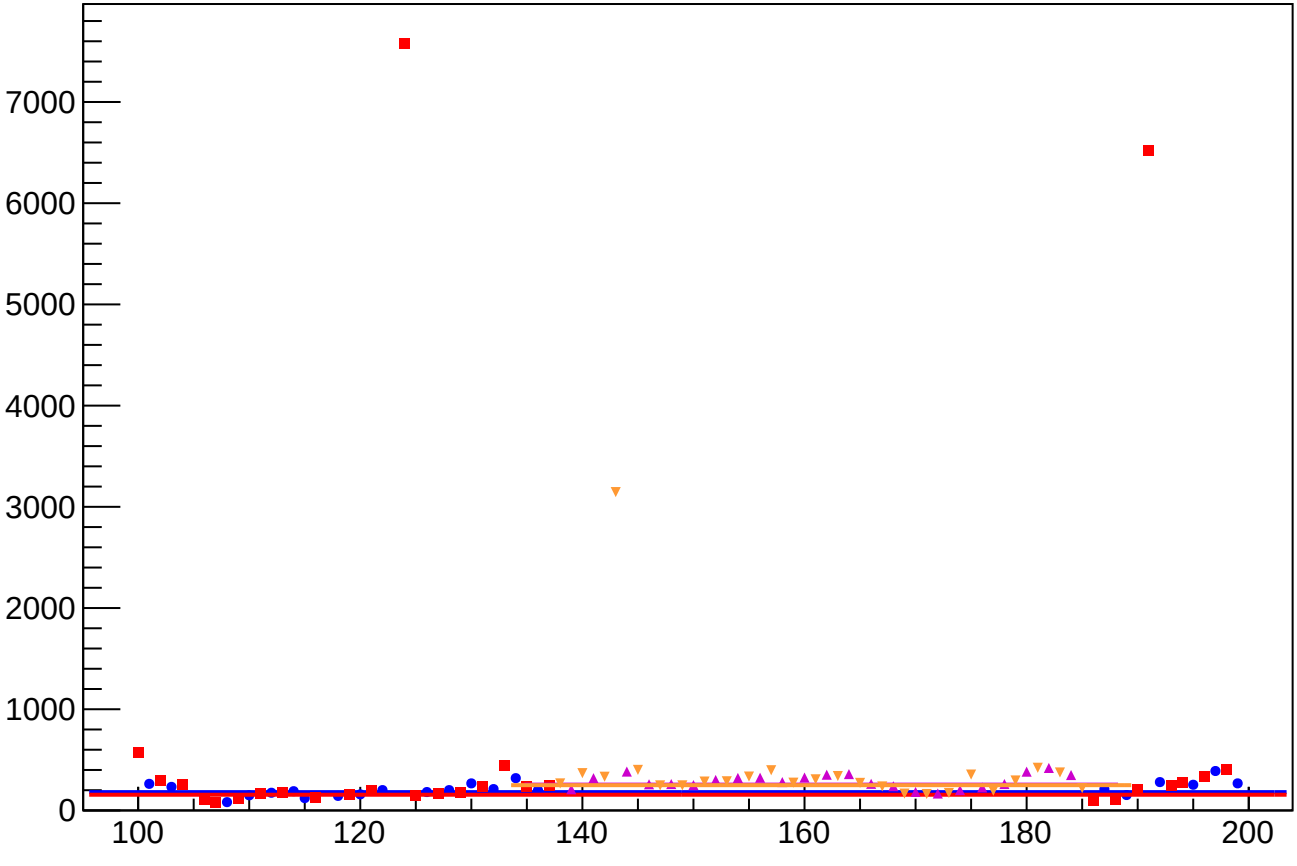
Right: 0.038+/-0.038 χ^2/NDF: 42.5/48

In: 0.092+/-0.043 χ^2/NDF:45.3/44

Out: -0.010+/-0.039 χ^2/NDF:50.9/51

All: 0.037+/-0.029 χ^2/NDF: 99.4/96

asym_atl1r2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 181.134+/-0.041 χ^2/NDF: 2619381.2/21

Left Out: 249.850+/-0.044 χ^2/NDF:4234600.7/24

Right Out: 155.377+/-0.036 χ^2/NDF: 4414834.1/26

Left In: 255.302+/-0.045 χ^2/NDF:2111585.0/22

Left: 252.515+/-0.031 χ^2/NDF: 6353840.1/47

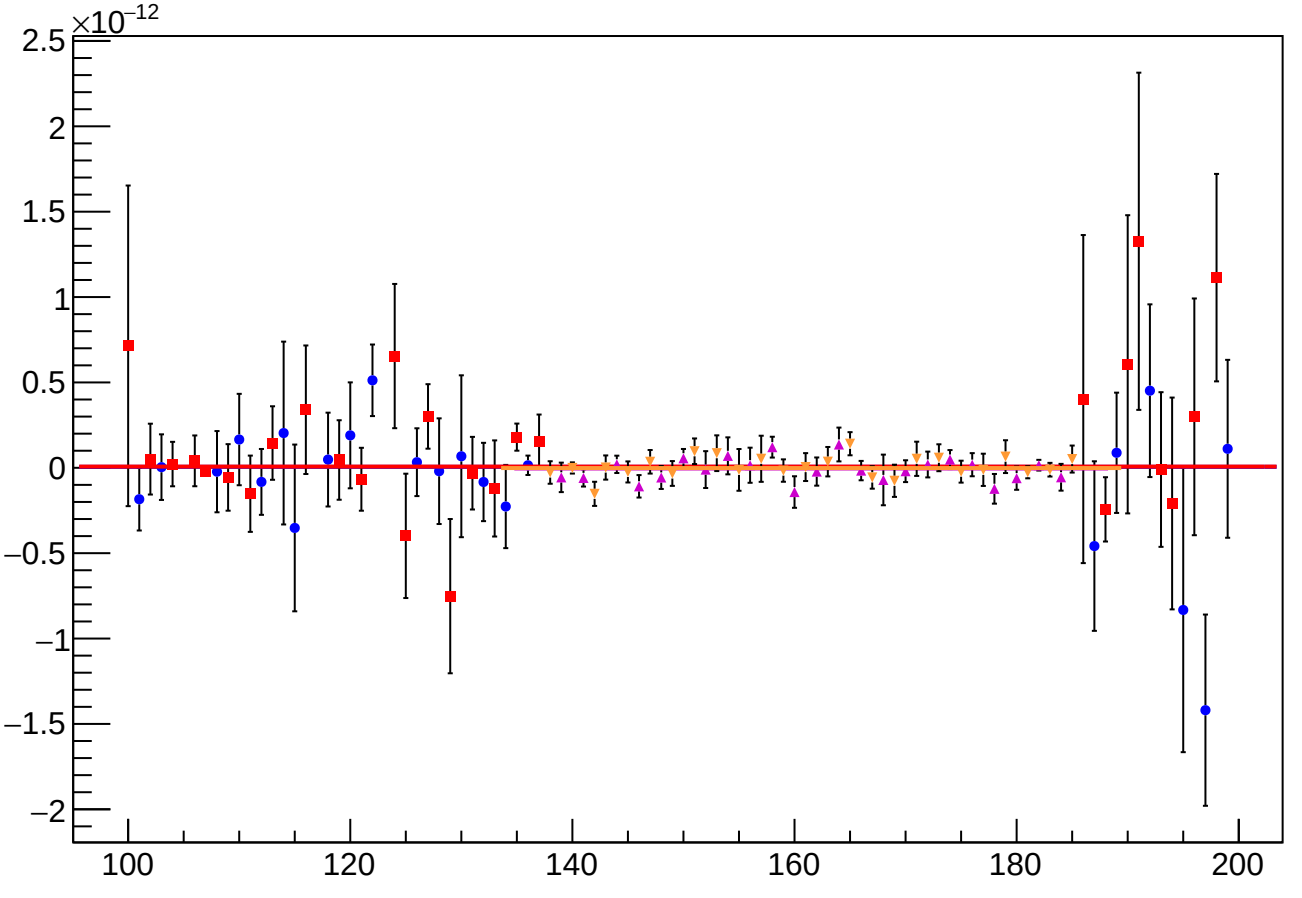
Right: 166.440+/-0.027 χ^2/NDF: 7256574.0/48

In: 215.376+/-0.030 χ^2/NDF:6223037.7/44

Out: 193.449+/-0.028 χ^2/NDF:11456122.4/51

All: 203.426+/-0.020 χ^2/NDF: 17965134.6/96

asym_atl1r2_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 18.9/21

Left Out: -0.000+/-0.000 χ^2/NDF:16.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 26.2/26

Left In: -0.000+/-0.000 χ^2/NDF:19.9/22

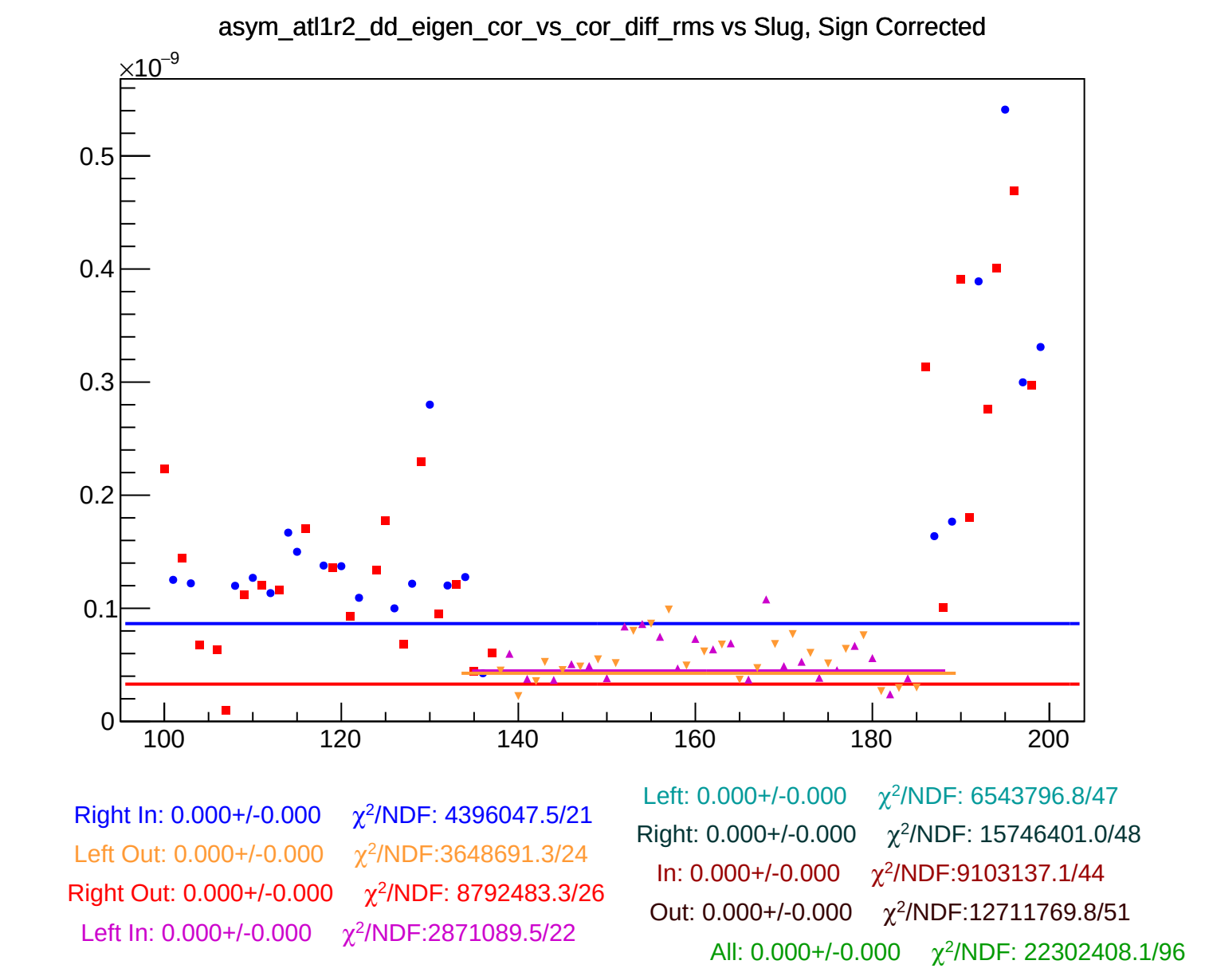
Left: -0.000+/-0.000 χ^2/NDF: 36.2/47

Right: 0.000+/-0.000 χ^2/NDF: 45.1/48

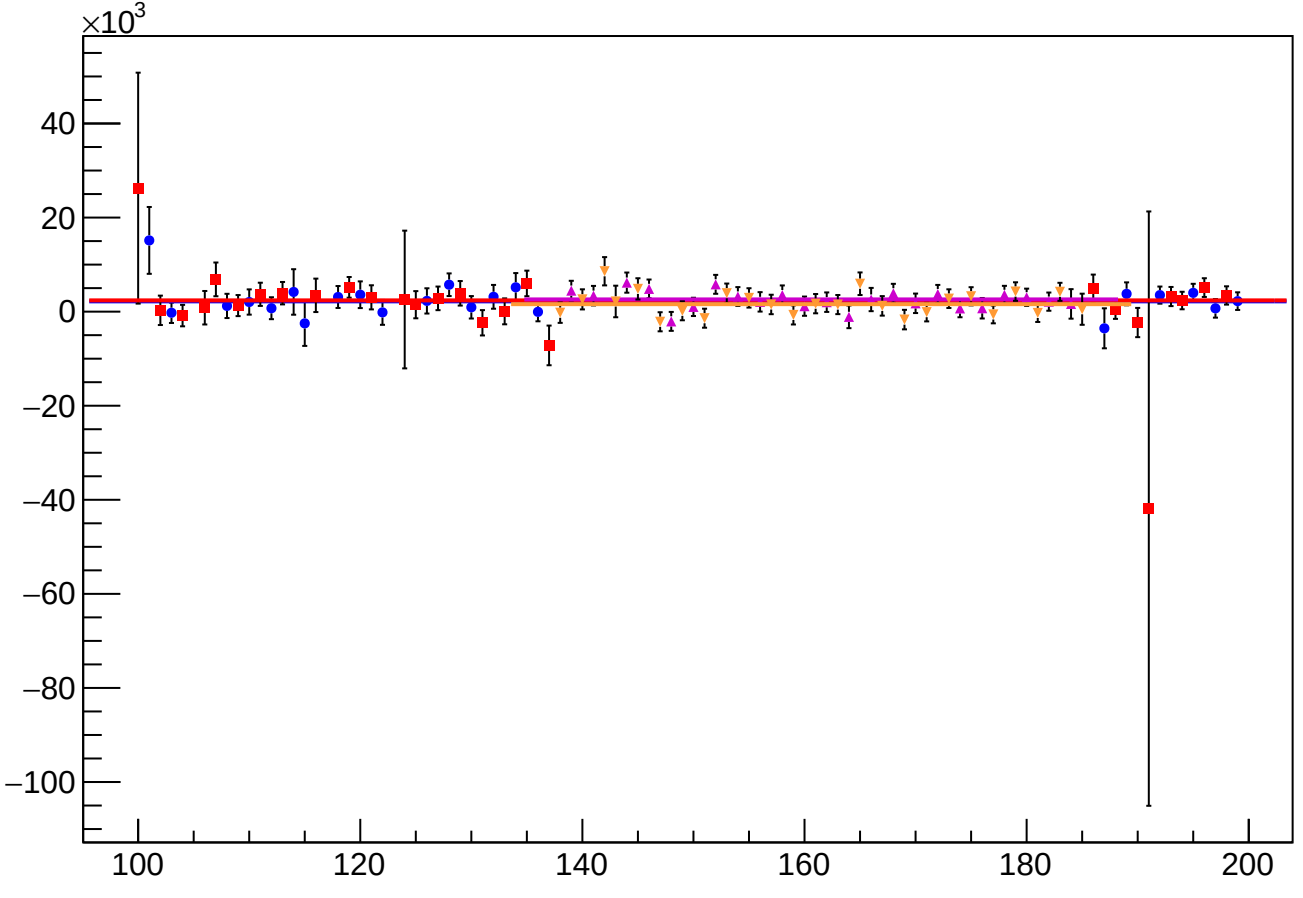
In: -0.000+/-0.000 χ^2/NDF:38.8/44

Out: 0.000+/-0.000 χ^2/NDF:42.6/51

All: -0.000+/-0.000 χ^2/NDF: 81.5/96


asym_atl1r2_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.5
0.4
0.3
0.2
0.1
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 4396047.5/21
Left Out: 0.000+/-0.000 χ²/NDF:3648691.3/24
Right Out: 0.000+/-0.000 χ²/NDF: 8792483.3/26
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: 15746401.0/48
In: 0.000+/-0.000 χ²/NDF:9103137.1/44
Out: 0.000+/-0.000 χ²/NDF:12711769.8/51
All: 0.000+/-0.000 χ²/NDF: 22302408.1/96

reg_asym_atr1l2_avg_mean vs Slug, Sign Corrected



Right In: 2187.547+/-528.527 χ^2/NDF: 16.4/21

Left Out: 1592.464+/-423.298 χ^2/NDF:31.3/24

Right Out: 2394.344+/-509.836 χ^2/NDF: 25.8/26

Left In: 2597.740+/-430.293 χ^2/NDF:20.1/22

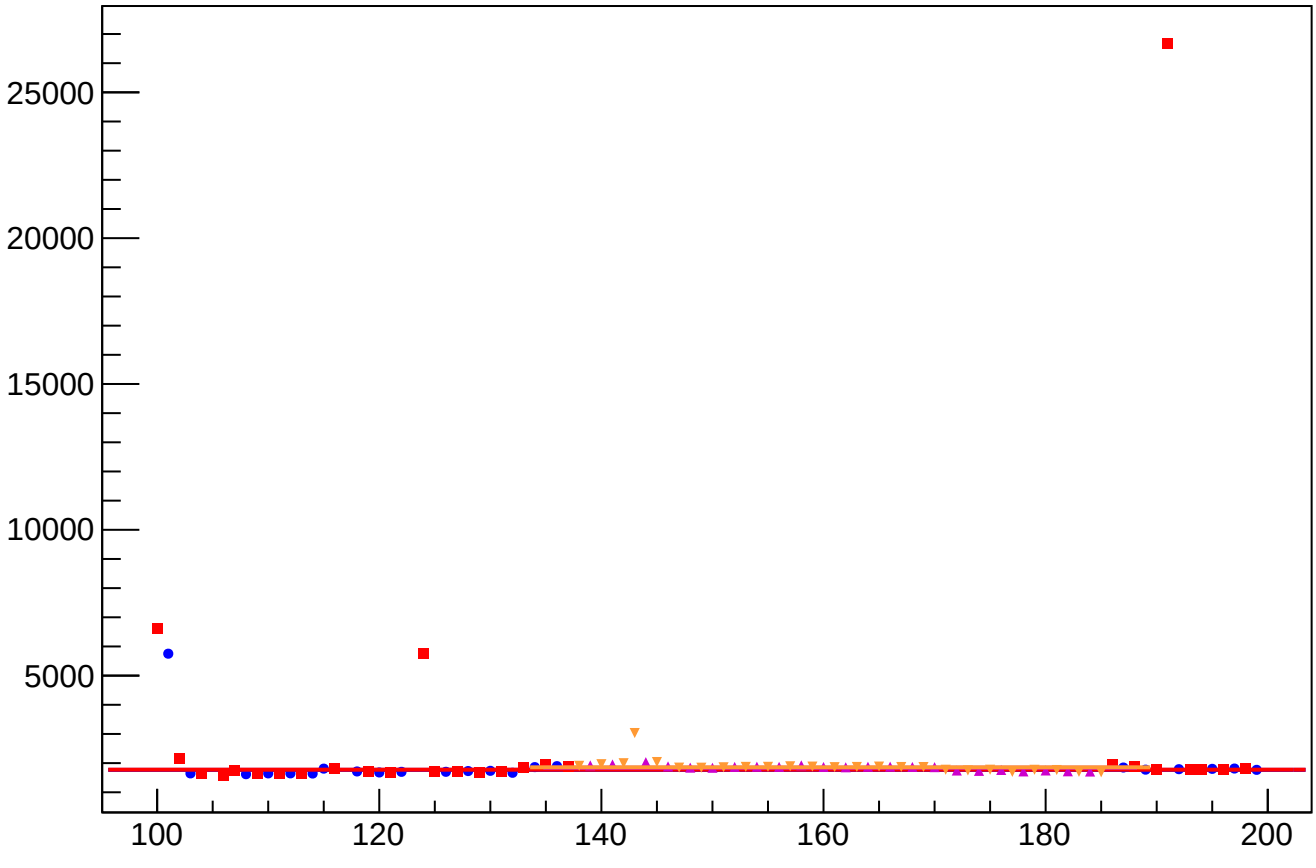
Left: 2086.864+/-301.760 χ^2/NDF: 54.1/47

Right: 2294.667+/-366.938 χ^2/NDF: 42.4/48

In: 2434.232+/-333.689 χ^2/NDF:36.9/44

Out: 1919.673+/-325.678 χ^2/NDF:58.6/51

All: 2170.702+/-233.070 χ^2/NDF: 96.7/96



Right In: 1767.406+/-0.374 χ^2/NDF: 674689.8/21

Left Out: 1855.560+/-0.299 χ^2/NDF:324267.7/24

Right Out: 1774.557+/-0.359 χ^2/NDF: 639229.7/26

Left In: 1840.981+/-0.304 χ^2/NDF:70985.8/22

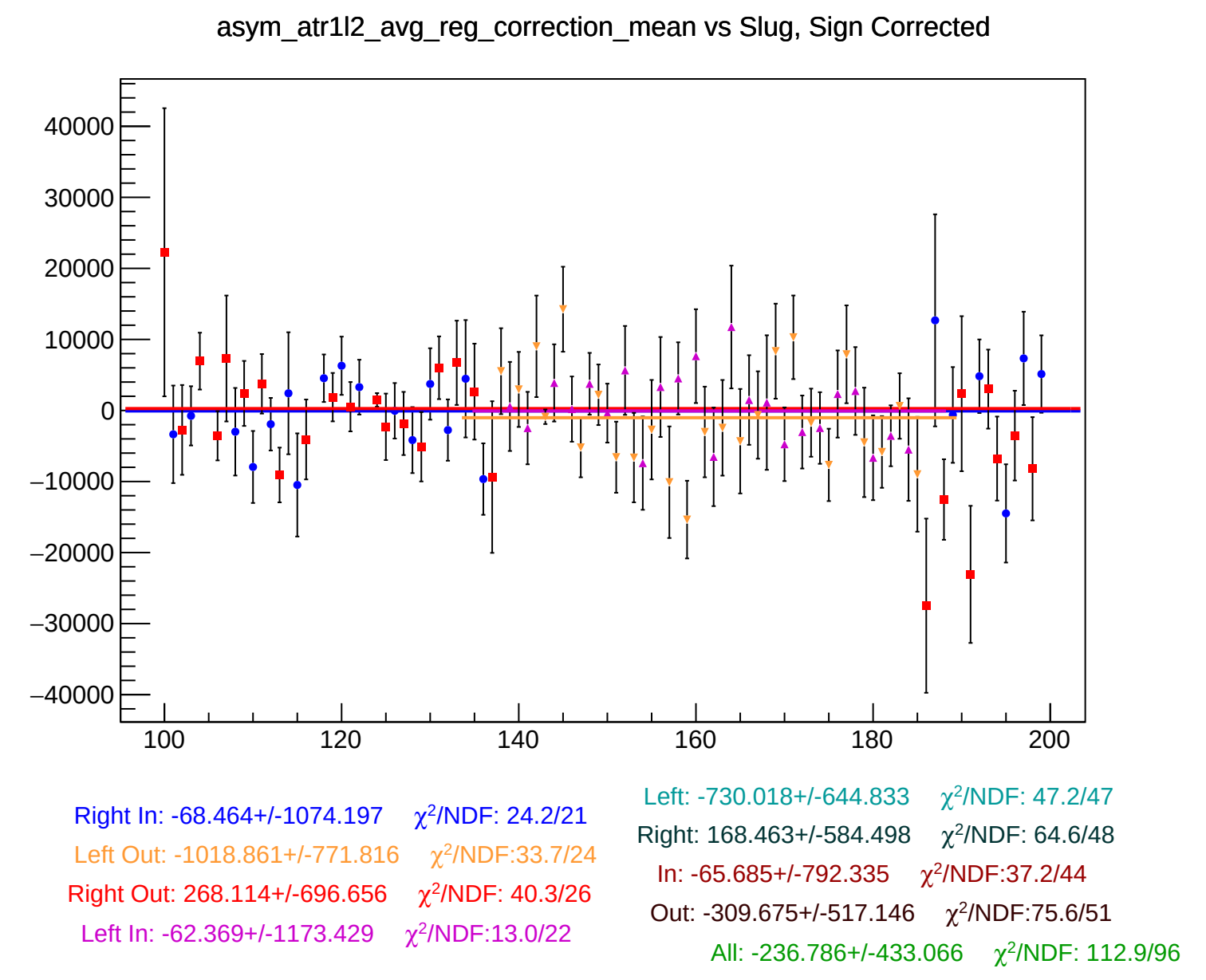
Left: 1848.390+/-0.213 χ^2/NDF: 396420.2/47

Right: 1771.127+/-0.259 χ^2/NDF: 1314110.0/48

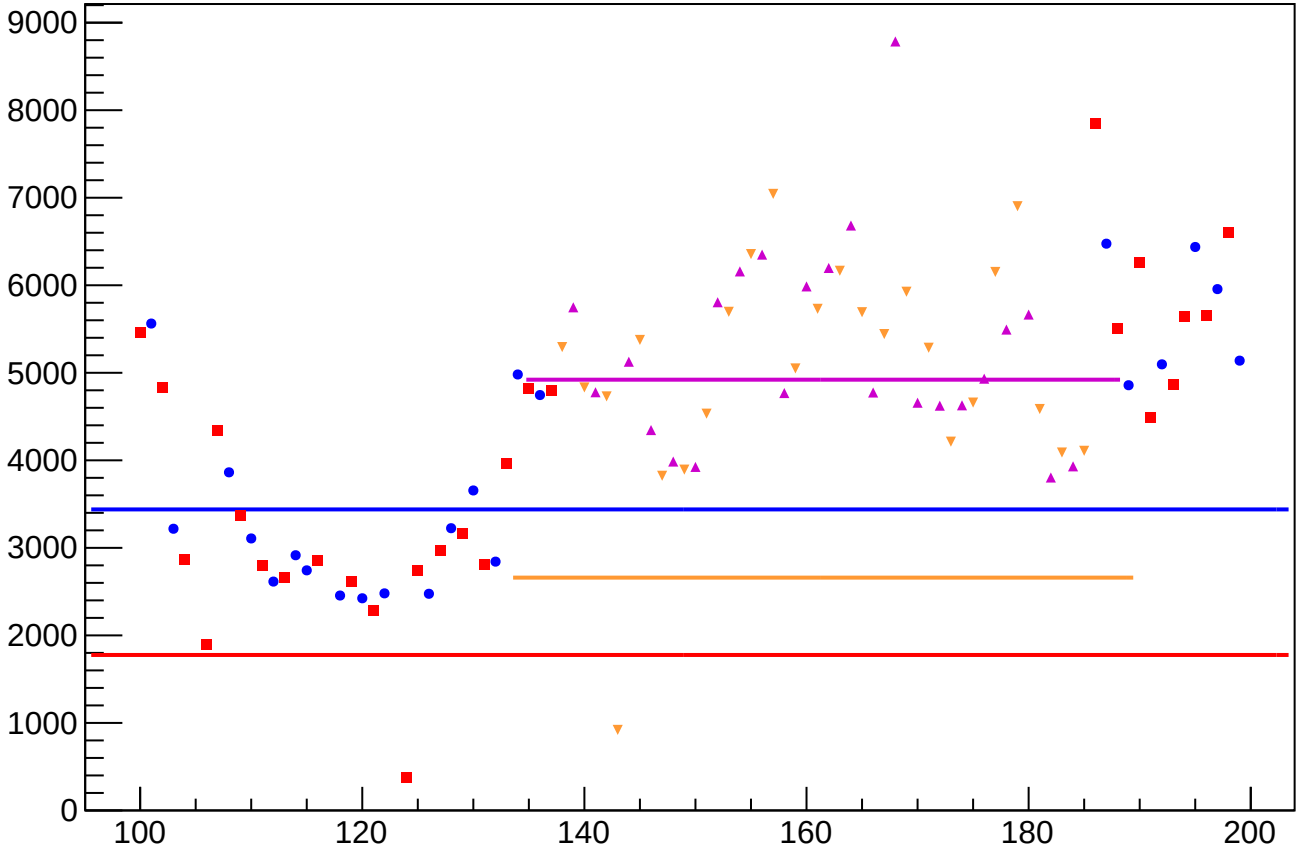
In: 1811.653+/-0.236 χ^2/NDF:768983.8/44

Out: 1822.332+/-0.230 χ^2/NDF:993540.1/51

All: 1817.132+/-0.165 χ^2/NDF: 1763574.7/96


asym_atr1l2_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: -68.464+/-1074.197 χ²/NDF: 24.2/21
Left Out: -1018.861+/-771.816 χ²/NDF:33.7/24
Right Out: 268.114+/-696.656 χ²/NDF: 40.3/26
Left In: -62.369+/-1173.429 χ²/NDF:13.0/22
Left: -730.018+/-644.833 χ²/NDF: 47.2/47
Right: 168.463+/-584.498 χ²/NDF: 64.6/48
In: -65.685+/-792.335 χ²/NDF:37.2/44
Out: -309.675+/-517.146 χ²/NDF:75.6/51
All: -236.786+/-433.066 χ²/NDF: 112.9/96

asym_atr1l2_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 3439.132+/-0.760 χ^2/NDF: 2372520.9/21

Left Out: 2660.009+/-0.546 χ^2/NDF:14536074.6/24

Right Out: 1776.368+/-0.493 χ^2/NDF: 12158638.4/26

Left In: 4921.319+/-0.830 χ^2/NDF:1251123.1/22

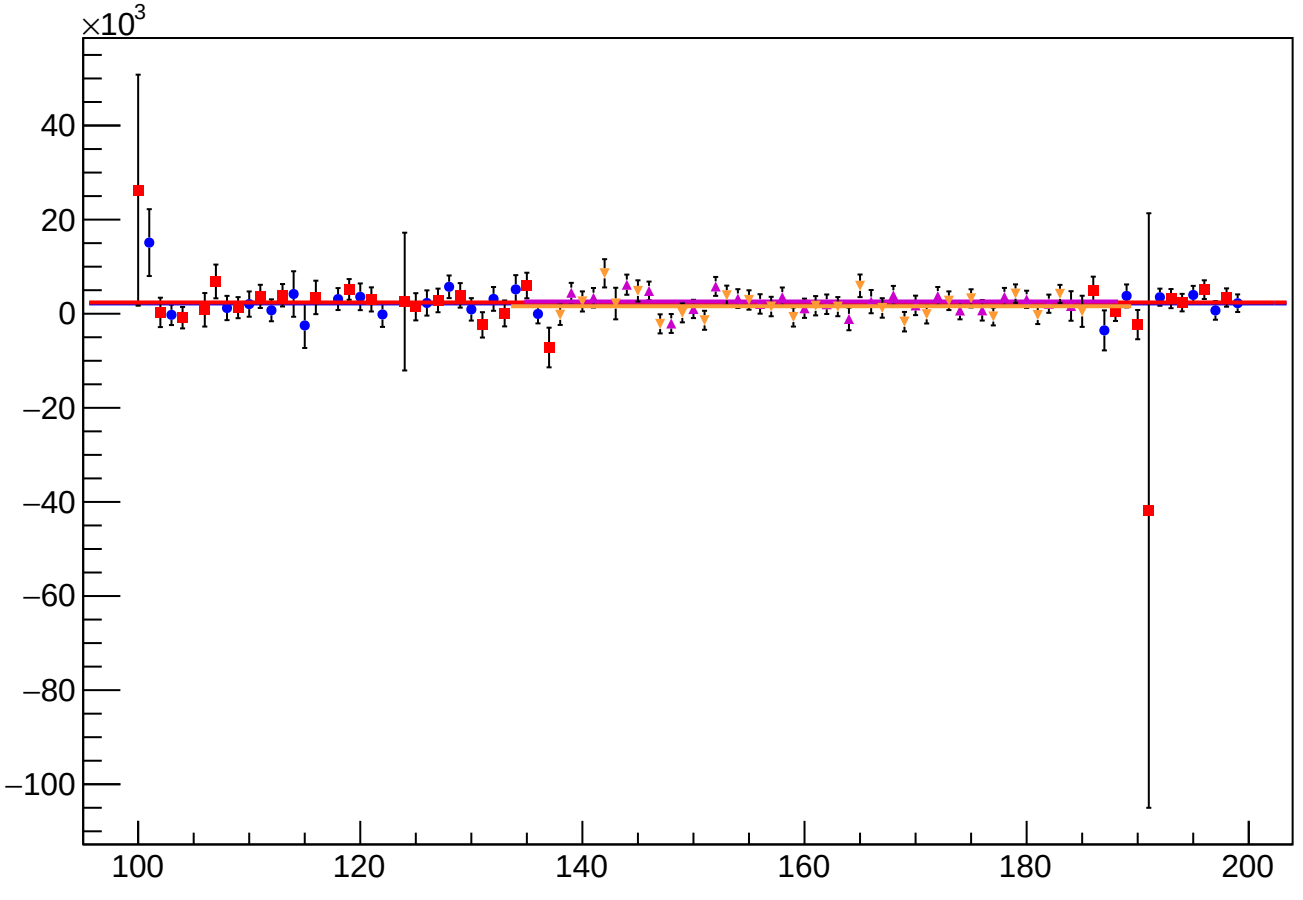
Left: 3342.883+/-0.456 χ^2/NDF: 20971649.5/47

Right: 2268.666+/-0.413 χ^2/NDF: 17904427.7/48

In: 4114.914+/-0.560 χ^2/NDF:5359732.7/44

Out: 2173.080+/-0.366 χ^2/NDF:28139300.8/51

All: 2753.179+/-0.306 χ^2/NDF: 41923006.6/9



Right In: 2187.354+/-528.527 χ^2/NDF: 16.4/21

Left Out: 1592.431+/-423.298 χ^2/NDF:31.3/24

Right Out: 2394.376+/-509.836 χ^2/NDF: 25.8/26

Left In: 2597.812+/-430.293 χ^2/NDF:20.1/22

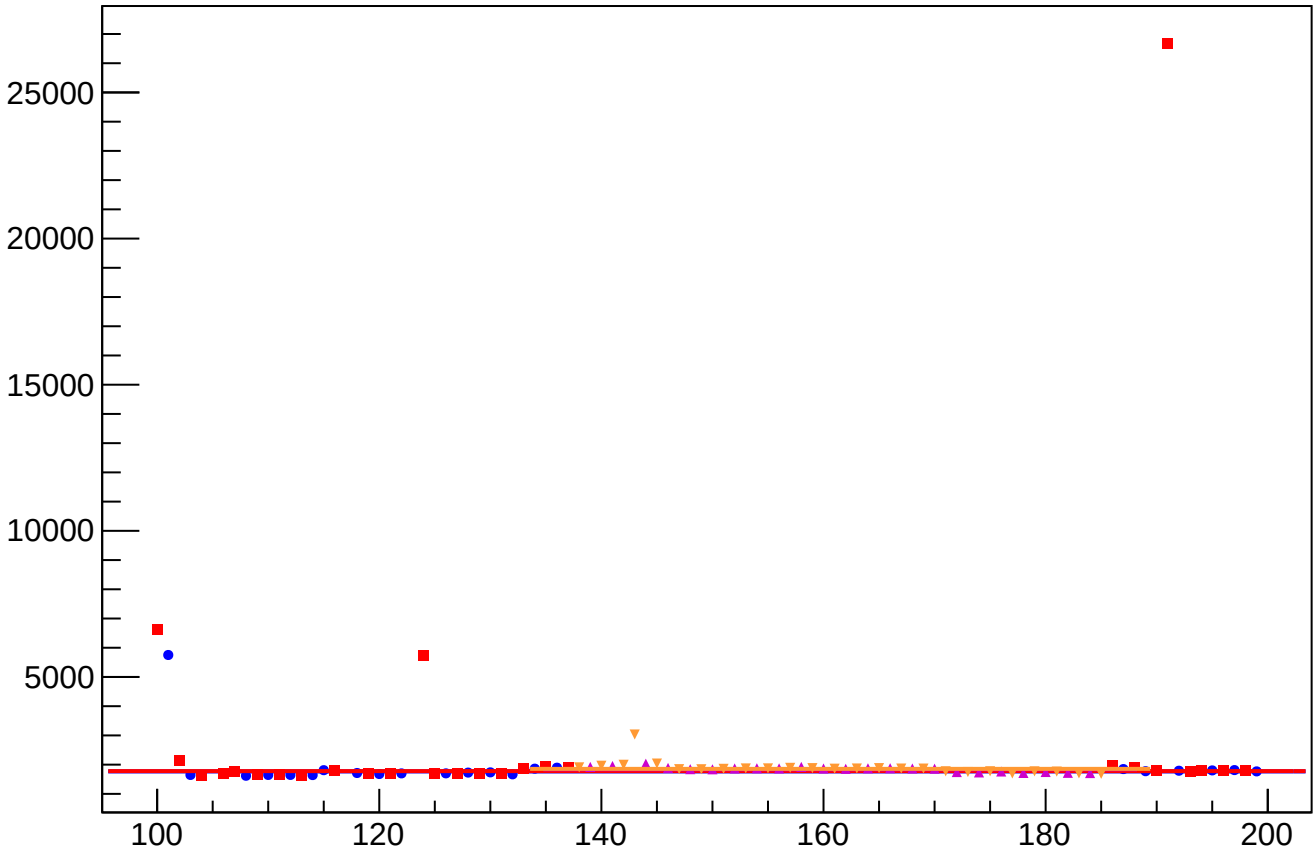
Left: 2086.883+/-301.760 χ^2/NDF: 54.1/47

Right: 2294.590+/-366.938 χ^2/NDF: 42.4/48

In: 2434.199+/-333.689 χ^2/NDF:36.9/44

Out: 1919.666+/-325.678 χ^2/NDF:58.6/51

All: 2170.682+/-233.070 χ^2/NDF: 96.7/96



Right In: 1767.406+/-0.374 χ^2/NDF: 674690.1/21

Left Out: 1855.560+/-0.299 χ^2/NDF:324267.7/24

Right Out: 1778.781+/-0.360 χ^2/NDF: 630417.0/26

Left In: 1840.981+/-0.304 χ^2/NDF:70985.8/22

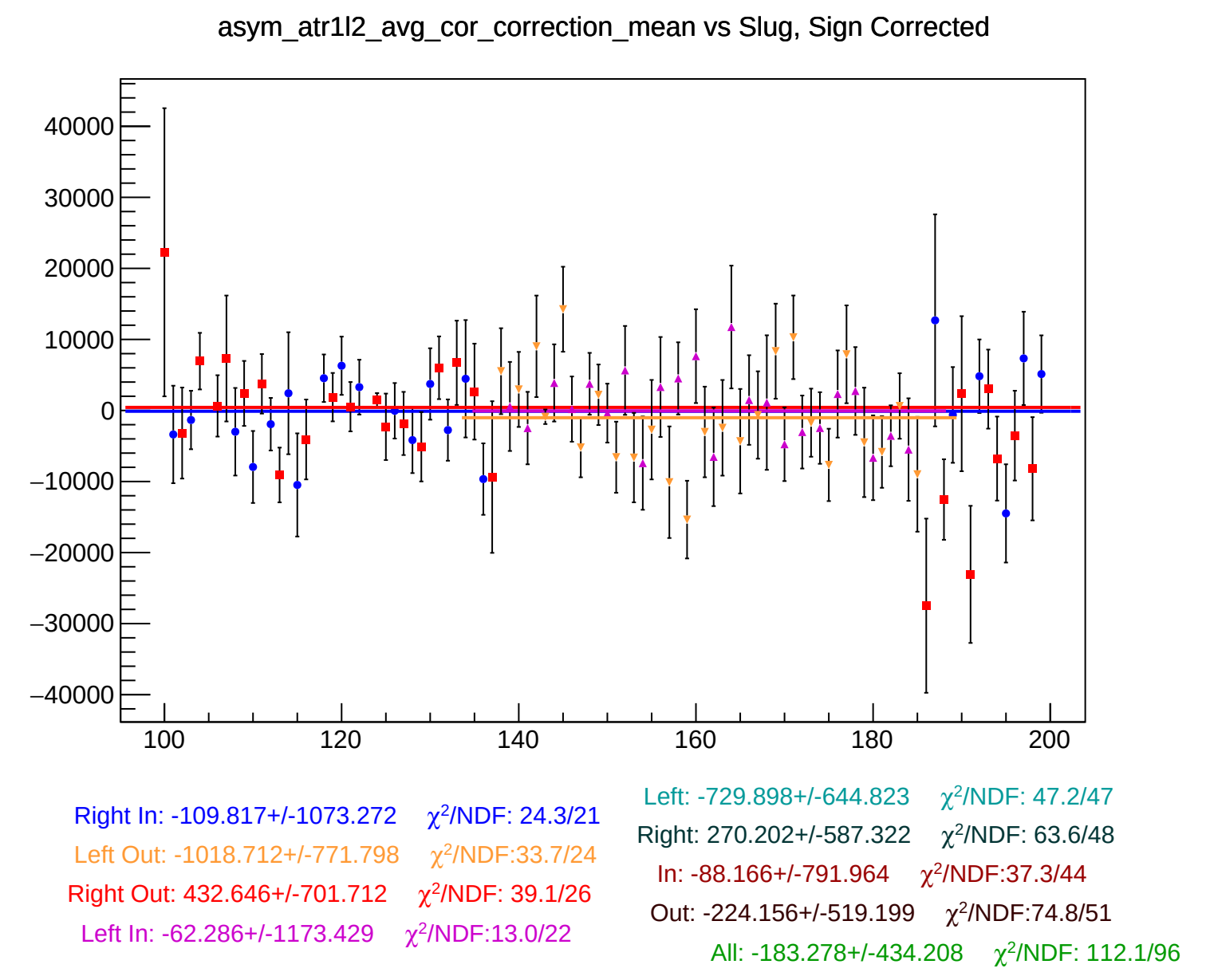
Left: 1848.390+/-0.213 χ^2/NDF: 396420.2/47

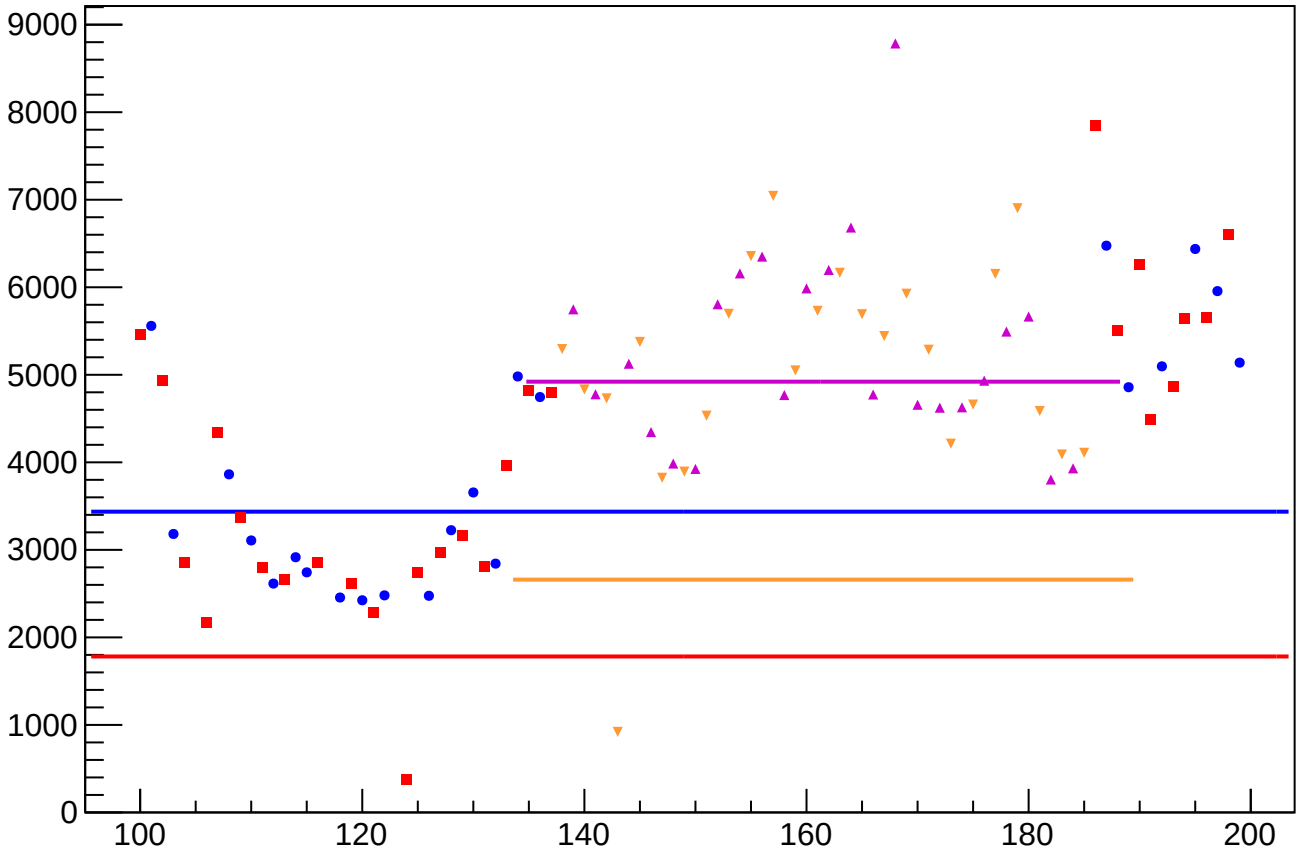
Right: 1773.311+/-0.259 χ^2/NDF: 1305588.0/48

In: 1811.653+/-0.236 χ^2/NDF:768984.2/44

Out: 1824.146+/-0.230 χ^2/NDF:981605.9/51

All: 1818.057+/-0.165 χ^2/NDF: 1752027.1/96


asym_atr1l2_avg_cor_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
Right In: -109.817+/-1073.272 χ²/NDF: 24.3/21
Left Out: -1018.712+/-771.798 χ²/NDF:33.7/24
Right Out: 432.646+/-701.712 χ²/NDF: 39.1/26
Left In: -62.286+/-1173.429 χ²/NDF:13.0/22
Left: -729.898+/-644.823 χ²/NDF: 47.2/47
Right: 270.202+/-587.322 χ²/NDF: 63.6/48
In: -88.166+/-791.964 χ²/NDF:37.3/44
Out: -224.156+/-519.199 χ²/NDF:74.8/51
All: -183.278+/-434.208 χ²/NDF: 112.1/96



Right In: 3436.239+/-0.759 χ^2/NDF: 2374283.7/21

Left Out: 2659.907+/-0.546 χ^2/NDF:14536813.3/24

Right Out: 1782.064+/-0.496 χ^2/NDF: 12188542.3/26

Left In: 4921.316+/-0.830 χ^2/NDF:1251131.6/22

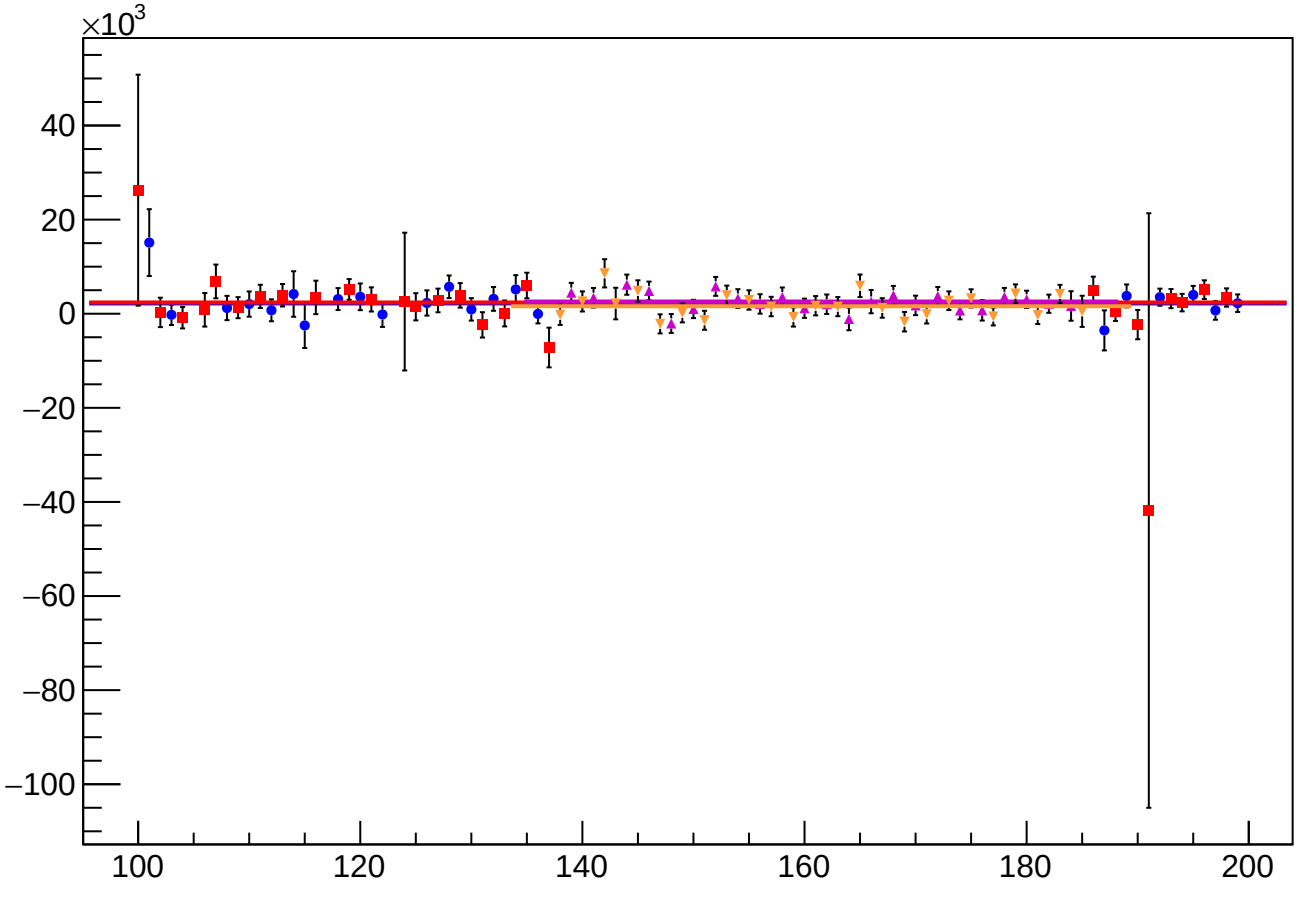
Left: 3342.790+/-0.456 χ^2/NDF: 20972927.8/47

Right: 2277.417+/-0.415 χ^2/NDF: 17891019.1/48

In: 4112.705+/-0.560 χ^2/NDF:5369650.0/44

Out: 2179.326+/-0.367 χ^2/NDF:28141820.6/51

All: 2760.494+/-0.307 χ^2/NDF: 41847918.9/9



Right In: 2187.354+/-528.527 χ^2/NDF: 16.4/21

Left Out: 1592.431+/-423.298 χ^2/NDF:31.3/24

Right Out: 2394.376+/-509.836 χ^2/NDF: 25.8/26

Left In: 2597.812+/-430.293 χ^2/NDF:20.1/22

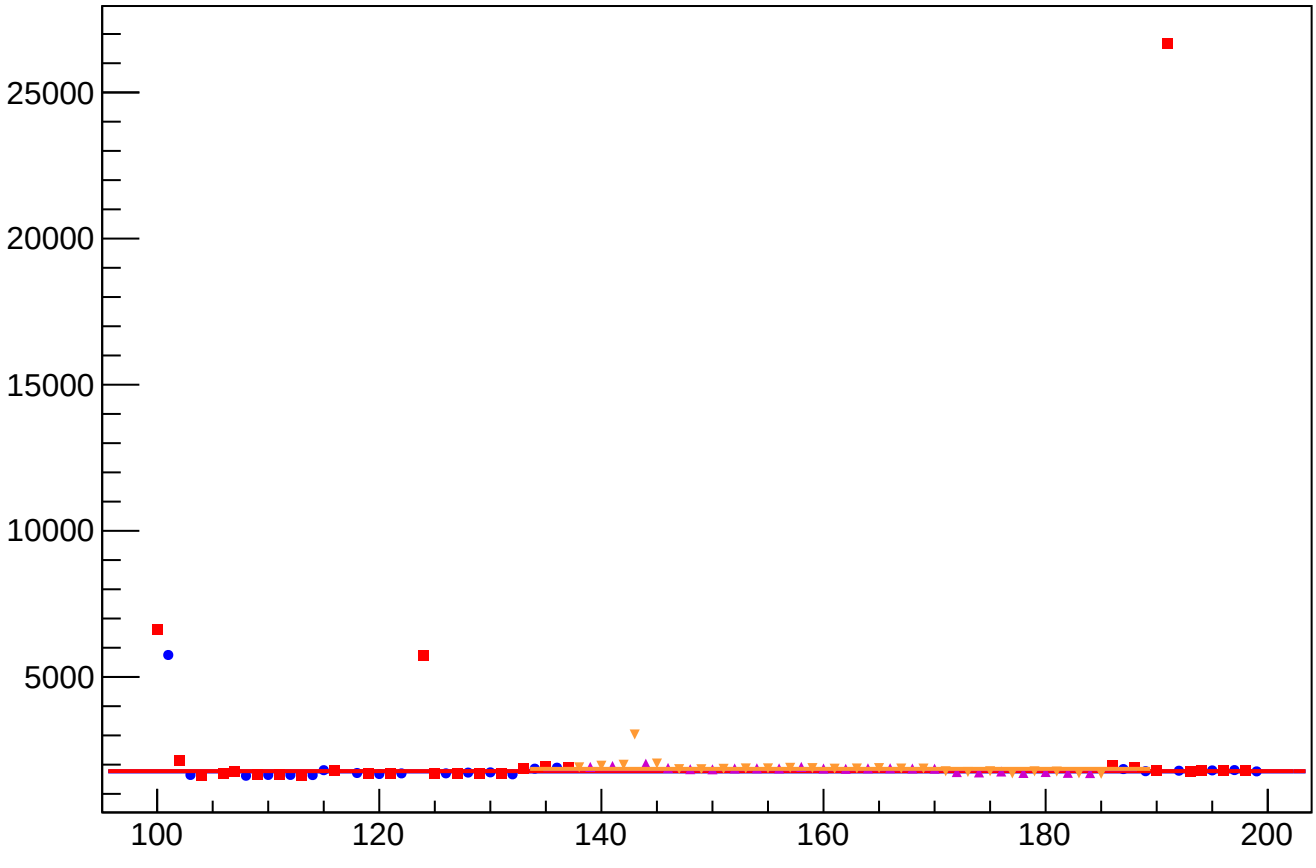
Left: 2086.883+/-301.760 χ^2/NDF: 54.1/47

Right: 2294.590+/-366.938 χ^2/NDF: 42.4/48

In: 2434.199+/-333.689 χ^2/NDF:36.9/44

Out: 1919.666+/-325.678 χ^2/NDF:58.6/51

All: 2170.682+/-233.070 χ^2/NDF: 96.7/96



Right In: 1767.406+/-0.374 χ^2/NDF: 674690.1/21

Left Out: 1855.560+/-0.299 χ^2/NDF:324267.7/24

Right Out: 1778.781+/-0.360 χ^2/NDF: 630417.0/26

Left In: 1840.981+/-0.304 χ^2/NDF:70985.8/22

Left: 1848.390+/-0.213 χ^2/NDF: 396420.2/47

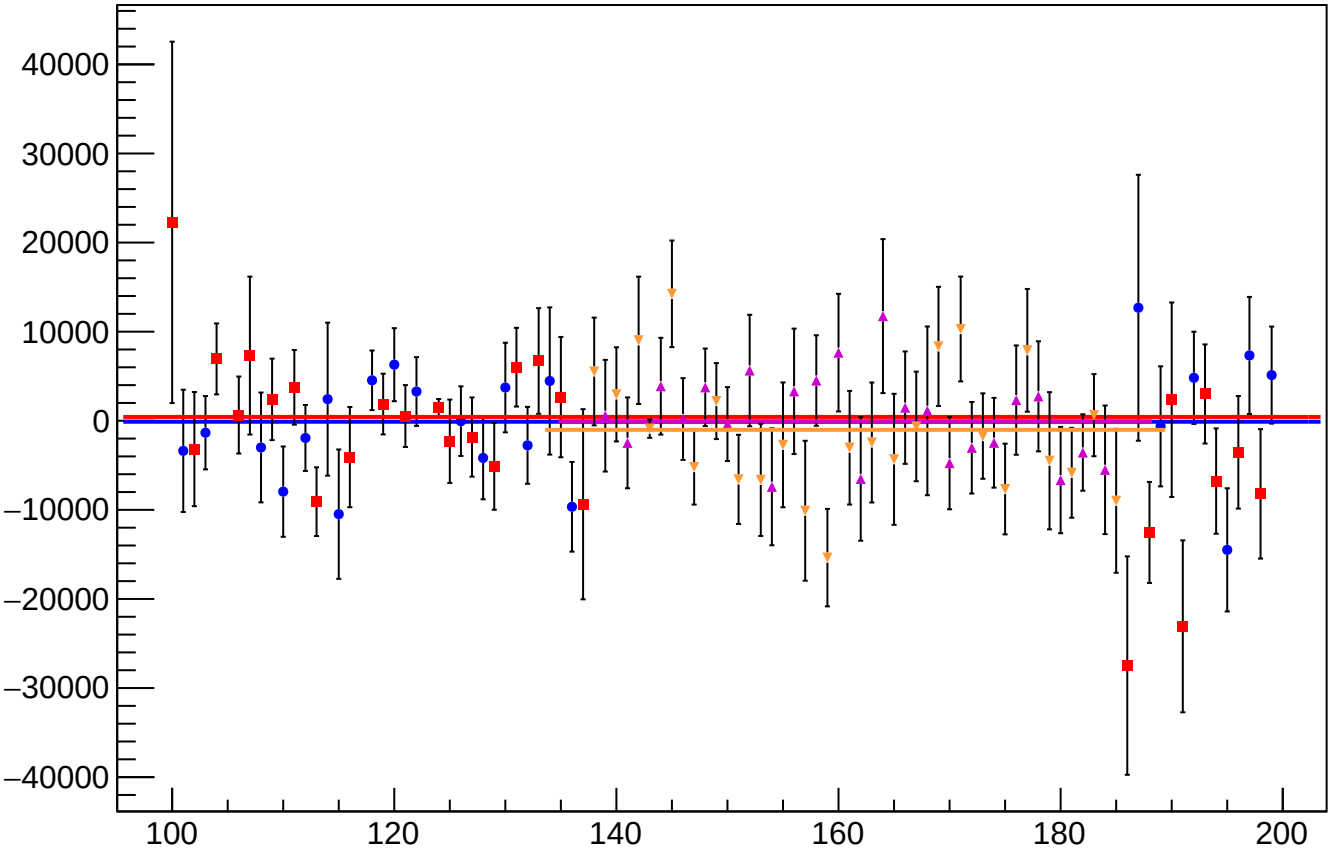
Right: 1773.311+/-0.259 χ^2/NDF: 1305588.0/48

In: 1811.653+/-0.236 χ^2/NDF:768984.2/44

Out: 1824.146+/-0.230 χ^2/NDF:981605.9/51

All: 1818.057+/-0.165 χ^2/NDF: 1752027.1/96

asym_atr1l2_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -109.817+/-1073.272 χ^2/NDF: 24.3/21

Left Out: -1018.712+/-771.798 χ^2/NDF:33.7/24

Right Out: 432.646+/-701.712 χ^2/NDF: 39.1/26

Left In: -62.286+/-1173.429 χ^2/NDF:13.0/22

Left: -729.898+/-644.823 χ^2/NDF: 47.2/47

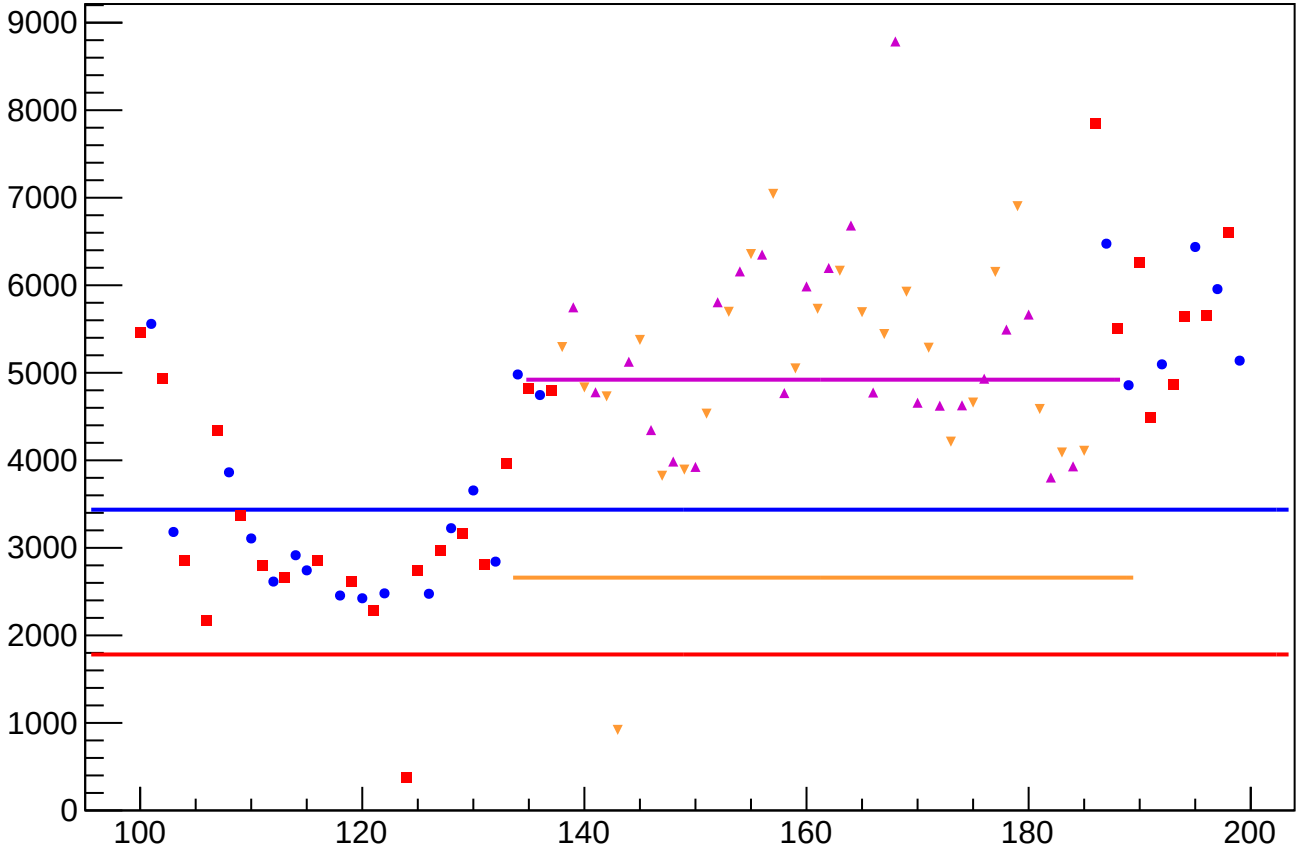
Right: 270.202+/-587.322 χ^2/NDF: 63.6/48

In: -88.166+/-791.964 χ^2/NDF:37.3/44

Out: -224.156+/-519.199 χ^2/NDF:74.8/51

All: -183.278+/-434.208 χ^2/NDF: 112.1/96

asym_atr1l2_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 3436.239+/-0.759 χ^2/NDF: 2374283.7/21

Left Out: 2659.907+/-0.546 χ^2/NDF:14536813.3/24

Right Out: 1782.064+/-0.496 χ^2/NDF: 12188542.3/26

Left In: 4921.316+/-0.830 χ^2/NDF:1251131.6/22

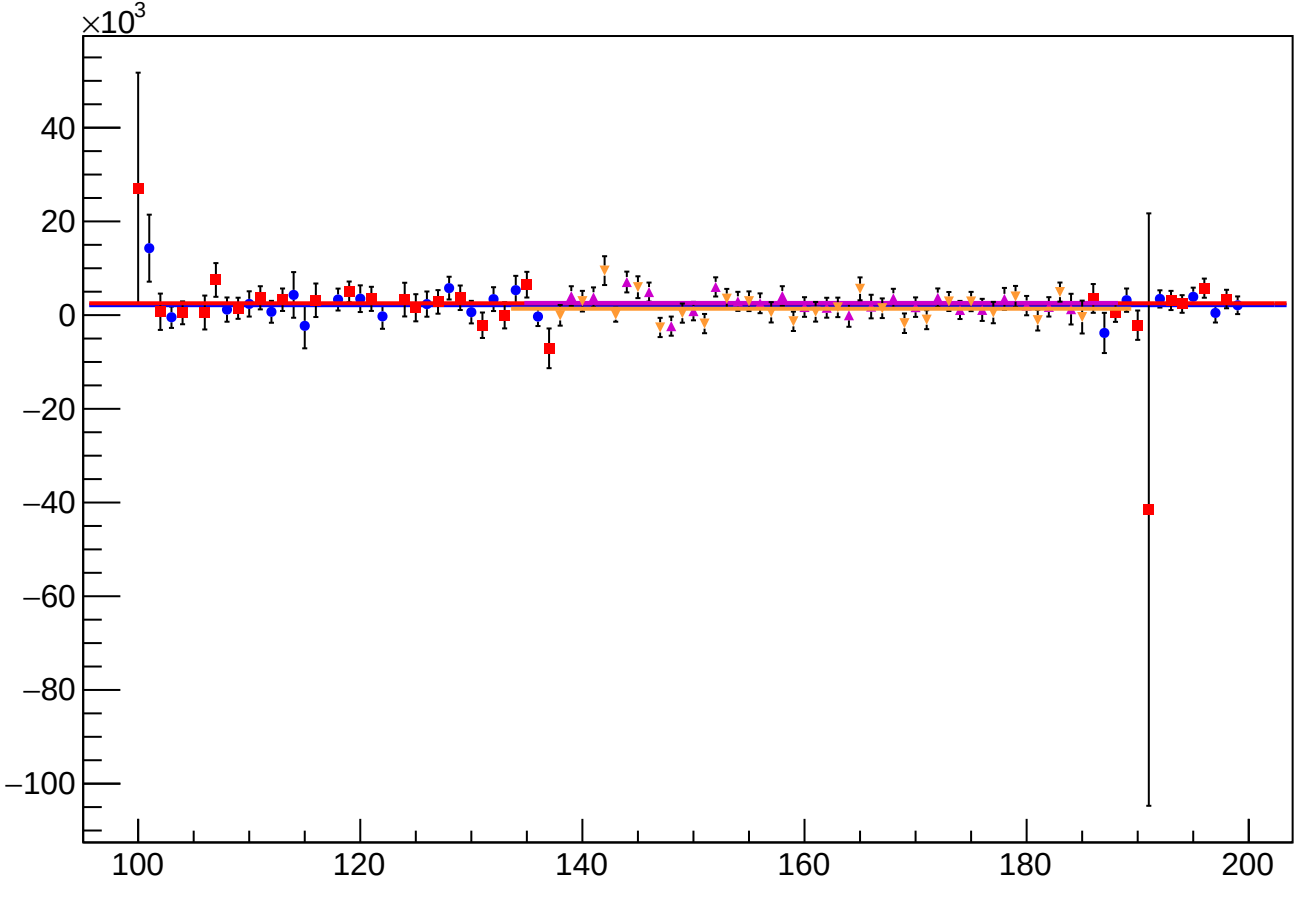
Left: 3342.790+/-0.456 χ^2/NDF: 20972927.8/47

Right: 2277.417+/-0.415 χ^2/NDF: 17891019.1/48

In: 4112.705+/-0.560 χ^2/NDF:5369650.0/44

Out: 2179.326+/-0.367 χ^2/NDF:28141820.6/51

All: 2760.494+/-0.307 χ^2/NDF: 41847918.9/9



Right In: 2119.096+/-534.883 χ^2/NDF: 16.6/21

Left Out: 1363.887+/-427.332 χ^2/NDF:36.1/24

Right Out: 2527.932+/-512.908 χ^2/NDF: 24.2/26

Left In: 2602.835+/-446.741 χ^2/NDF:20.0/22

Left: 1955.864+/-308.803 χ^2/NDF: 60.2/47

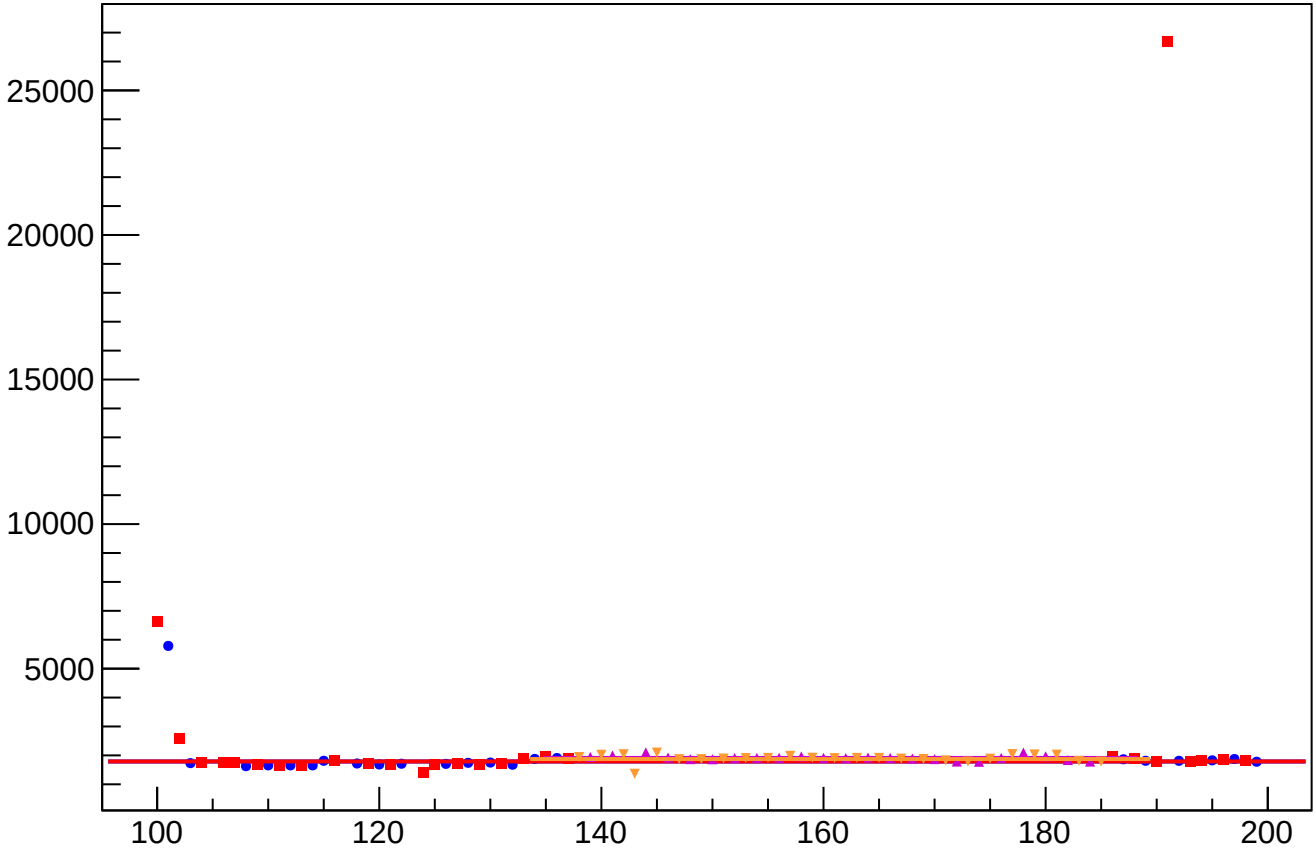
Right: 2332.084+/-370.206 χ^2/NDF: 41.1/48

In: 2404.054+/-342.879 χ^2/NDF:37.1/44

Out: 1840.835+/-328.314 χ^2/NDF:63.3/51

All: 2110.229+/-237.135 χ^2/NDF: 101.9/96

dit_asym_atr1l2_avg_rms vs Slug, Sign Corrected



Right In: 1788.446+/-0.378 χ^2/NDF: 674654.0/21

Left Out: 1873.177+/-0.302 χ^2/NDF:309733.7/24

Right Out: 1790.444+/-0.362 χ^2/NDF: 554916.3/26

Left In: 1911.423+/-0.316 χ^2/NDF:59139.8/22

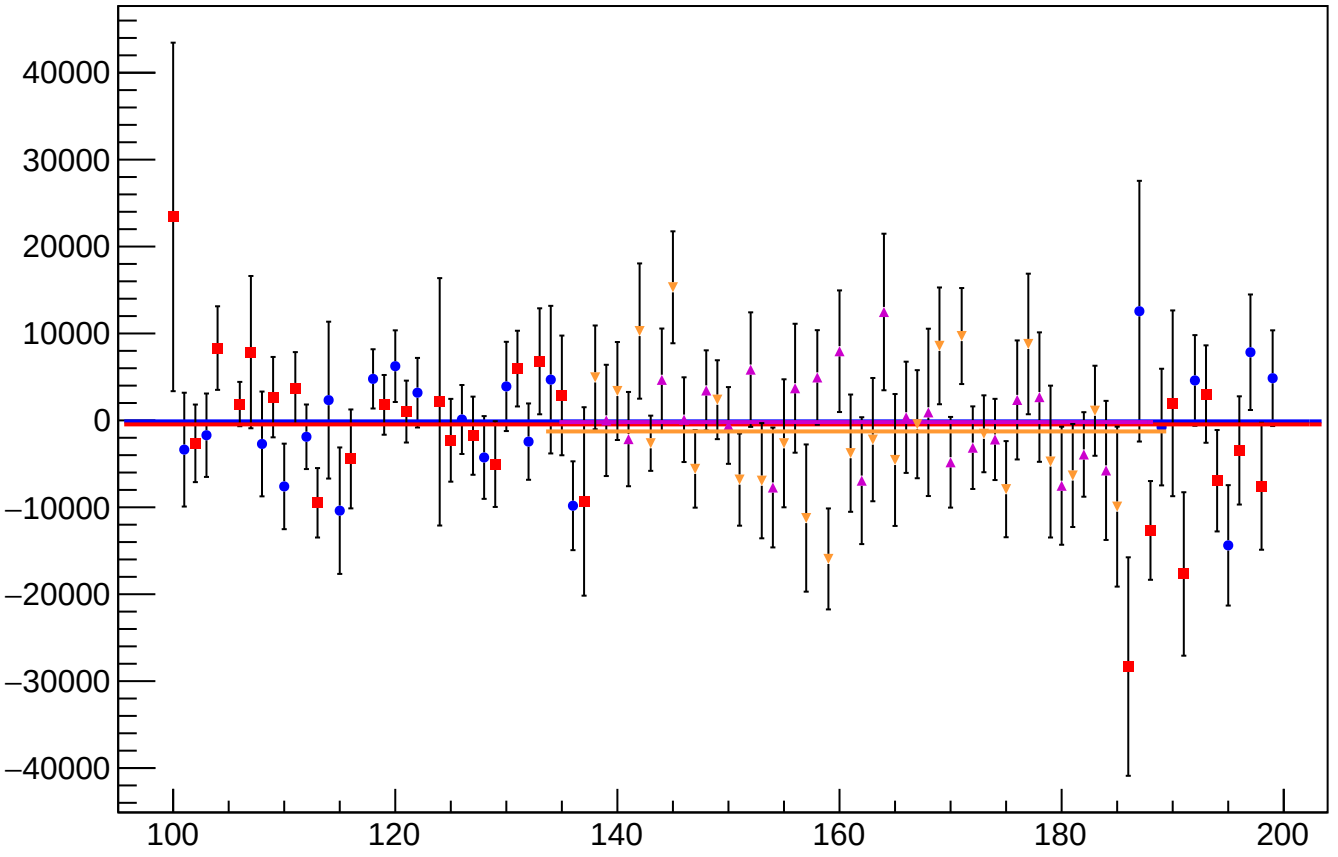
Left: 1891.452+/-0.218 χ^2/NDF: 376528.1/47

Right: 1789.489+/-0.262 χ^2/NDF: 1229584.9/48

In: 1860.889+/-0.242 χ^2/NDF:796071.9/44

Out: 1839.214+/-0.232 χ^2/NDF:895424.3/51

All: 1849.574+/-0.168 χ^2/NDF: 1695668.0/96



Right In: -112.621+/-1093.665 χ^2/NDF: 23.9/21

Left Out: -1269.760+/-1156.132 χ^2/NDF:33.4/24

Right Out: -460.705+/-981.783 χ^2/NDF: 35.8/26

Left In: -196.917+/-1234.538 χ^2/NDF:12.7/22

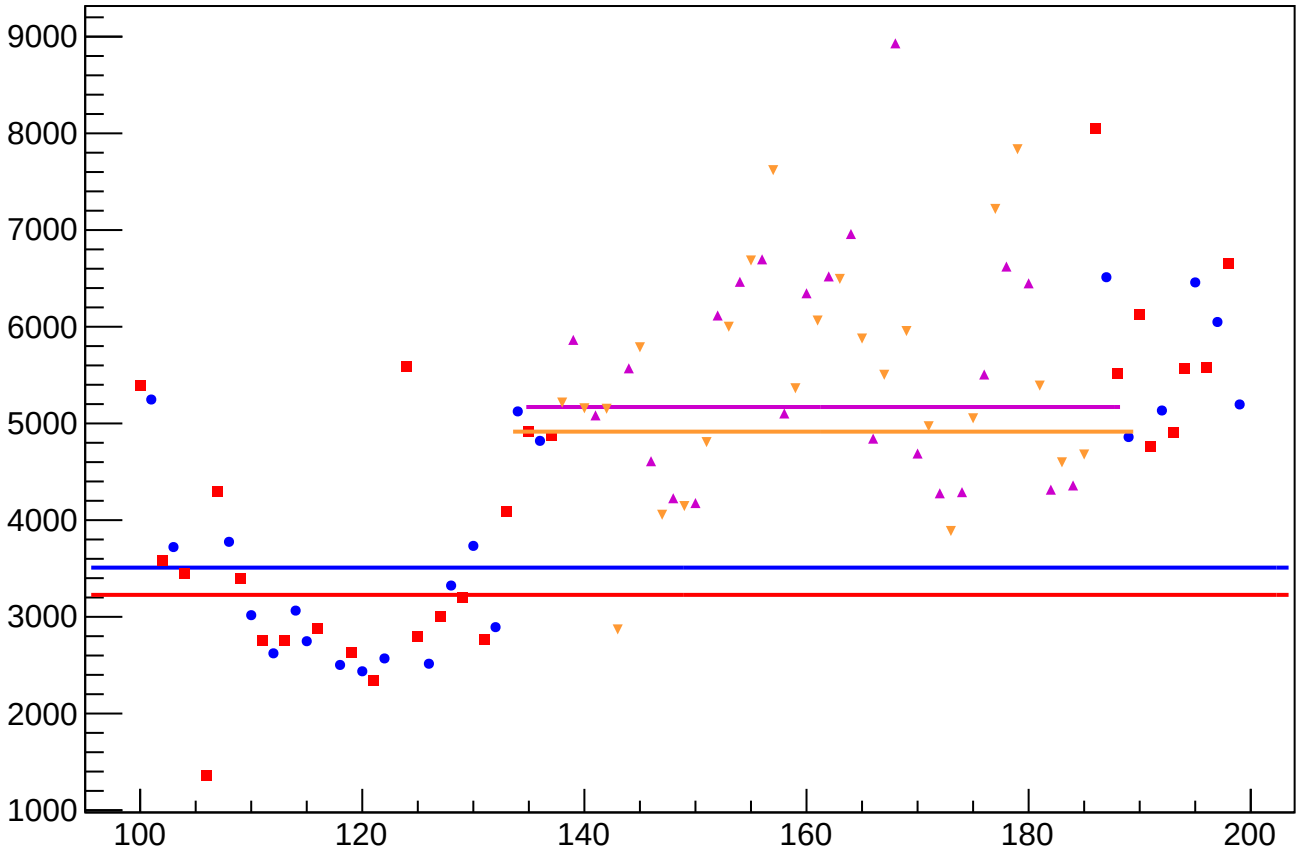
Left: -768.486+/-843.867 χ^2/NDF: 46.5/47

Right: -305.373+/-730.589 χ^2/NDF: 59.7/48

In: -149.687+/-818.633 χ^2/NDF:36.6/44

Out: -799.689+/-748.356 χ^2/NDF:69.5/51

All: -503.782+/-552.345 χ^2/NDF: 106.4/96



Right In: 3509.020+/-0.773 χ^2/NDF: 2302681.0/21

Left Out: 4915.244+/-0.818 χ^2/NDF:2166229.1/24

Right Out: 3227.176+/-0.694 χ^2/NDF: 3744831.1/26

Left In: 5170.028+/-0.873 χ^2/NDF:1348711.3/22

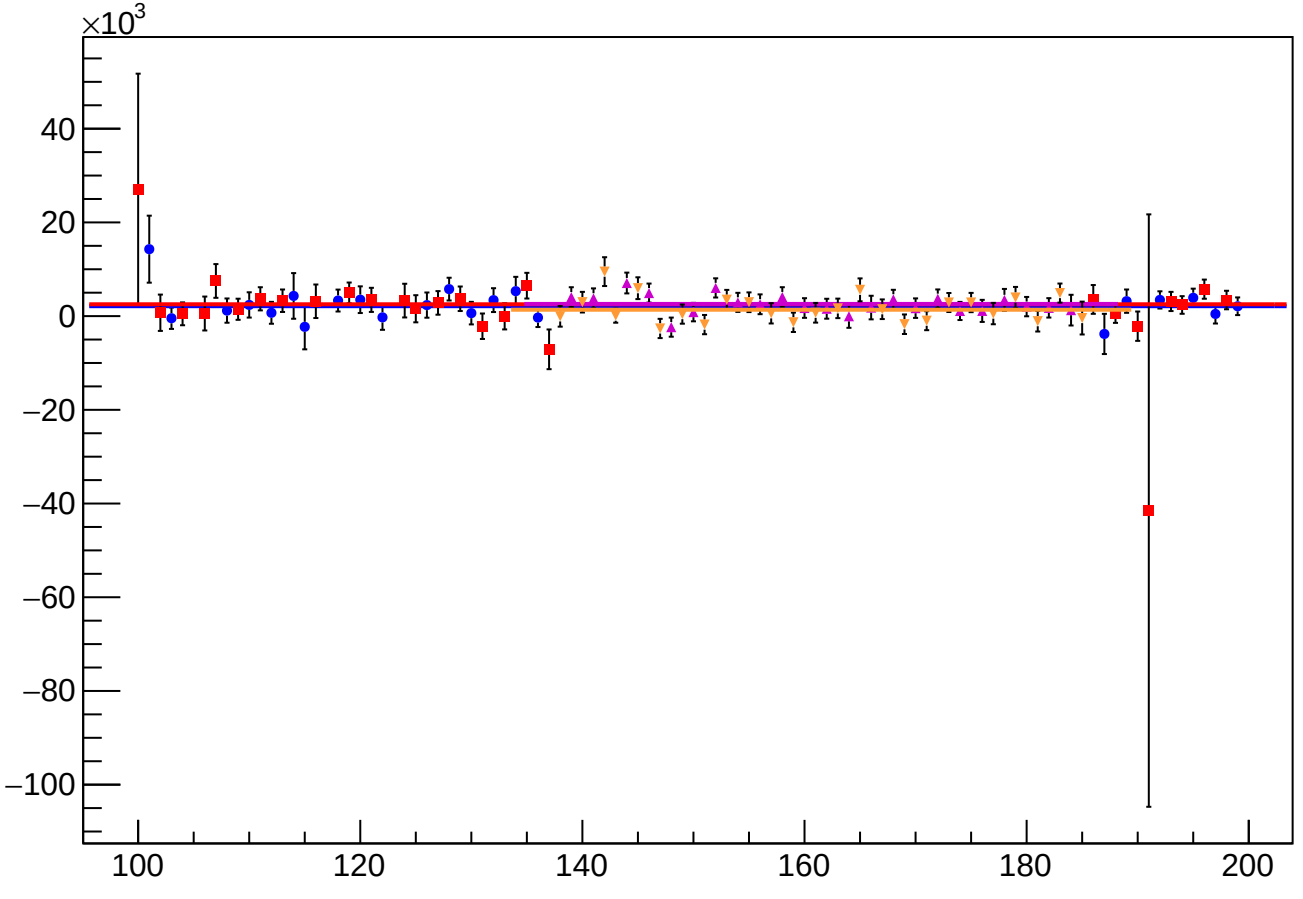
Left: 5034.289+/-0.597 χ^2/NDF: 3560323.8/47

Right: 3352.948+/-0.517 χ^2/NDF: 6121063.9/48

In: 4239.388+/-0.579 χ^2/NDF:5679889.7/44

Out: 3934.456+/-0.529 χ^2/NDF:8388370.9/51

All: 4073.273+/-0.391 χ^2/NDF: 14219428.6/9



Right In: 2119.094+/-534.883 χ^2/NDF: 16.6/21

Left Out: 1363.884+/-427.333 χ^2/NDF:36.1/24

Right Out: 2527.931+/-512.908 χ^2/NDF: 24.2/26

Left In: 2602.834+/-446.742 χ^2/NDF:20.0/22

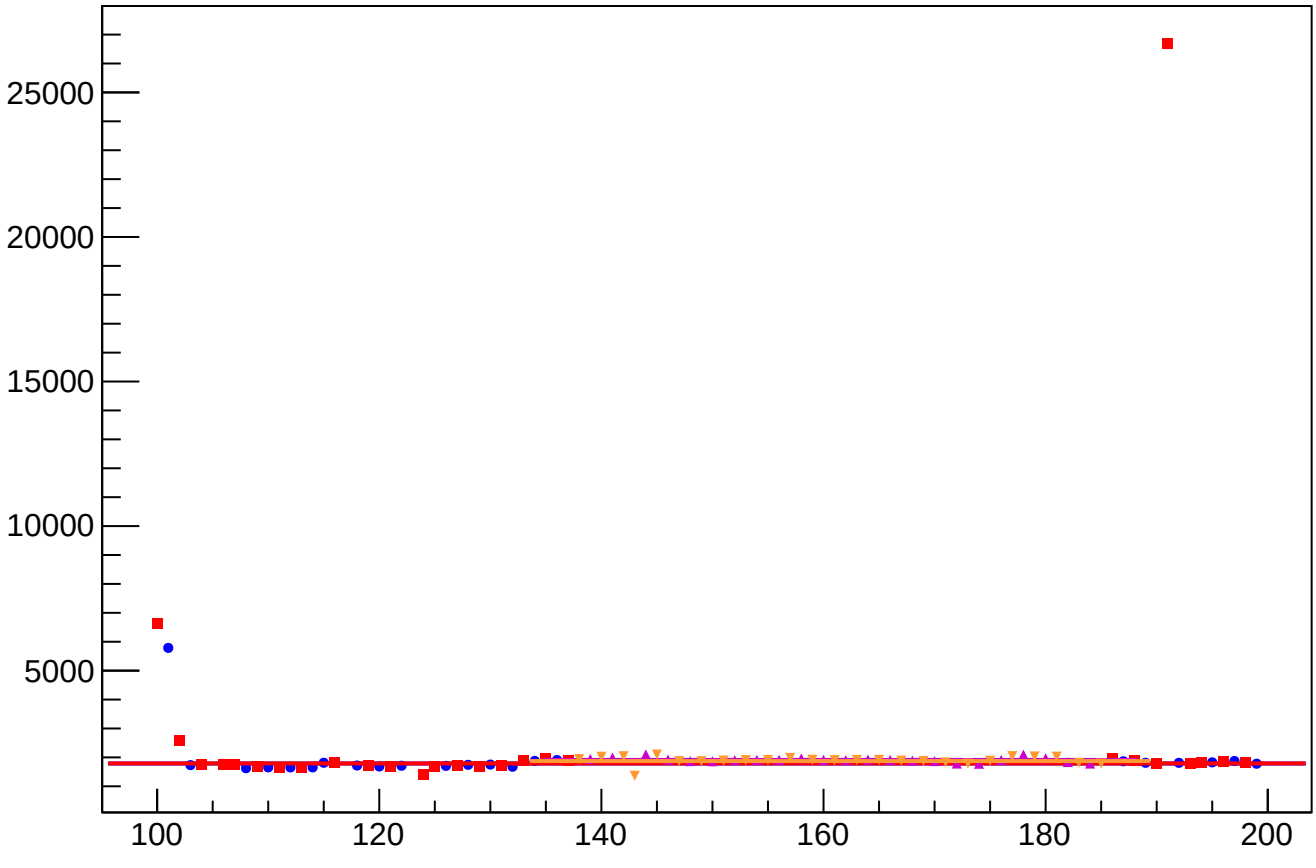
Left: 1955.861+/-308.803 χ^2/NDF: 60.2/47

Right: 2332.083+/-370.206 χ^2/NDF: 41.1/48

In: 2404.052+/-342.879 χ^2/NDF:37.1/44

Out: 1840.833+/-328.315 χ^2/NDF:63.3/51

All: 2110.227+/-237.135 χ^2/NDF: 101.9/96



Right In: 1788.446+/-0.378 χ^2/NDF: 674654.0/21

Left Out: 1873.178+/-0.302 χ^2/NDF:309737.2/24

Right Out: 1790.444+/-0.362 χ^2/NDF: 554916.3/26

Left In: 1911.425+/-0.316 χ^2/NDF:59142.0/22

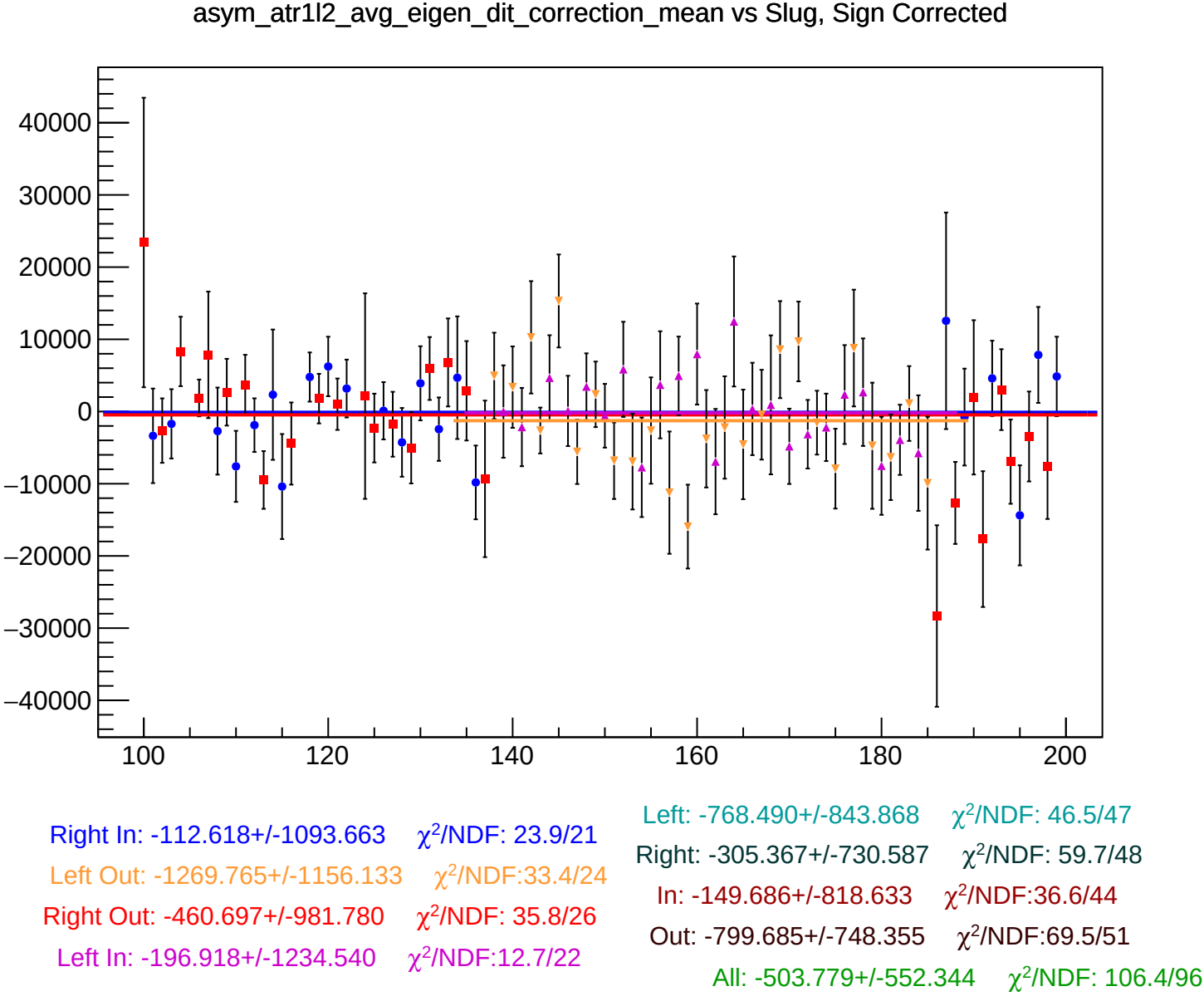
Left: 1891.453+/-0.218 χ^2/NDF: 376533.8/47

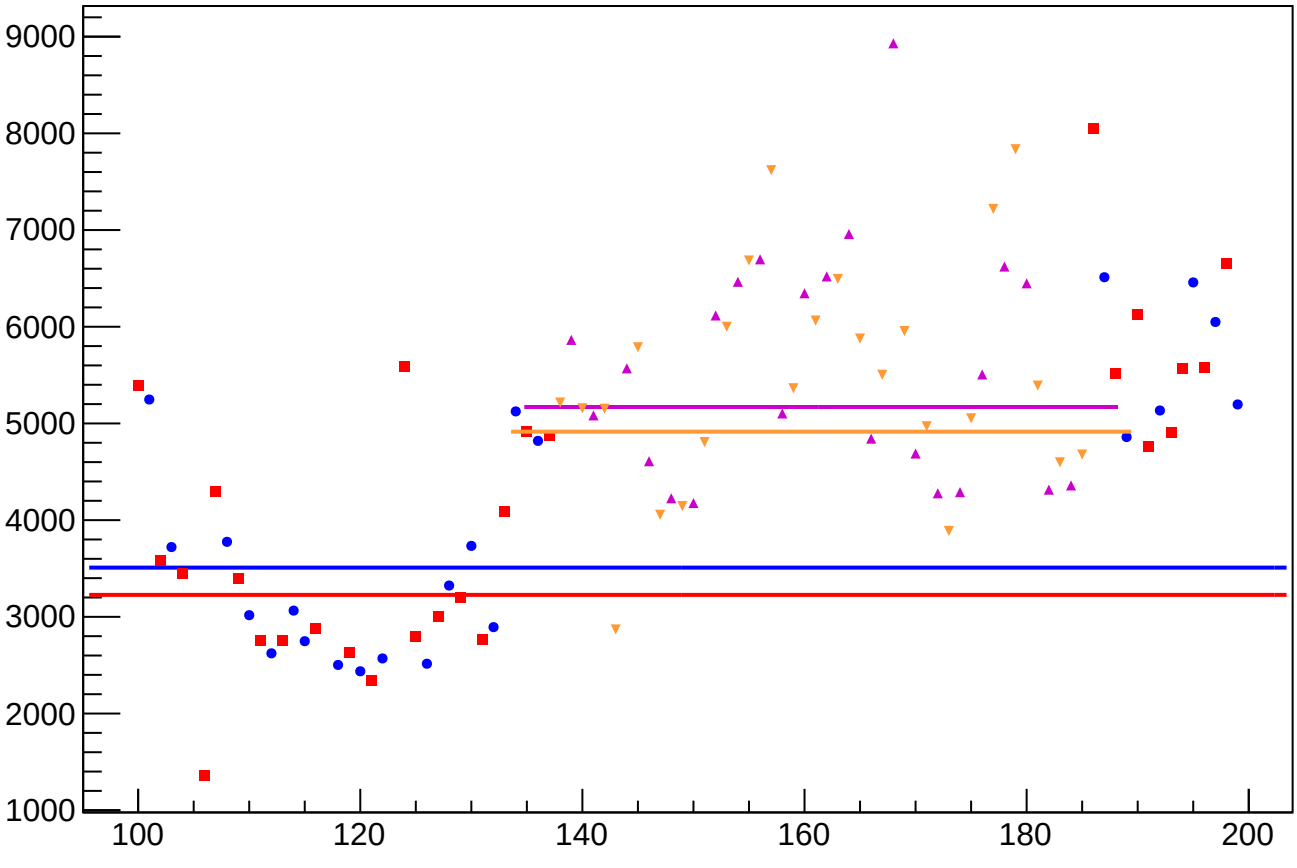
Right: 1789.489+/-0.262 χ^2/NDF: 1229584.9/48

In: 1860.889+/-0.242 χ^2/NDF:796075.2/44

Out: 1839.215+/-0.232 χ^2/NDF:895428.5/51

All: 1849.575+/-0.168 χ^2/NDF: 1695675.6/96


asym_atr1l2_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
Right In: -112.618+/-1093.663 χ²/NDF: 23.9/21
Left Out: -1269.765+/-1156.133 χ²/NDF:33.4/24
Right Out: -460.697+/-981.780 χ²/NDF: 35.8/26
Left In: -196.918+/-1234.540 χ²/NDF:12.7/22
Left: -768.490+/-843.868 χ²/NDF: 46.5/47
Right: -305.367+/-730.587 χ²/NDF: 59.7/48
In: -149.686+/-818.633 χ²/NDF:36.6/44
Out: -799.685+/-748.355 χ²/NDF:69.5/51
All: -503.779+/-552.344 χ²/NDF: 106.4/96



Right In: 3509.009+/-0.773 χ^2/NDF: 2302711.1/21

Left Out: 4915.251+/-0.818 χ^2/NDF:2166236.2/24

Right Out: 3227.162+/-0.694 χ^2/NDF: 3744879.1/26

Left In: 5170.035+/-0.873 χ^2/NDF:1348713.2/22

Left: 5034.296+/-0.597 χ^2/NDF: 3560333.0/47

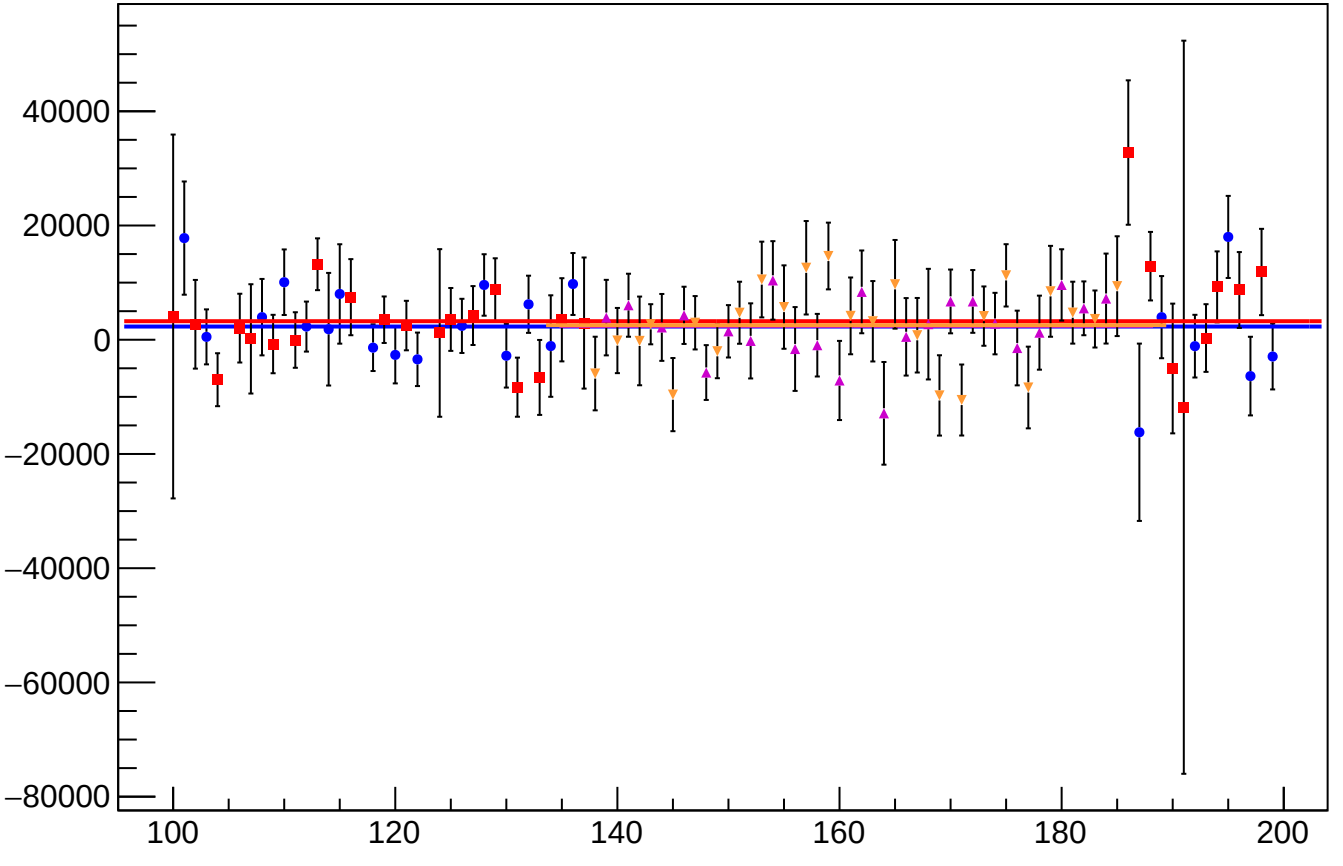
Right: 3352.936+/-0.517 χ^2/NDF: 6121143.7/48

In: 4239.381+/-0.579 χ^2/NDF:5679968.6/44

Out: 3934.447+/-0.529 χ^2/NDF:8388487.0/51

All: 4073.266+/-0.391 χ^2/NDF: 14219626.5/9

asym_atr1l2_avg_mean vs Slug, Sign Corrected



Right In: 2311.178+/-1238.016 χ^2/NDF: 22.6/21

Left Out: 2547.072+/-1187.668 χ^2/NDF:29.1/24

Right Out: 3245.287+/-1195.713 χ^2/NDF: 31.4/26

Left In: 2423.016+/-1259.653 χ^2/NDF:15.0/22

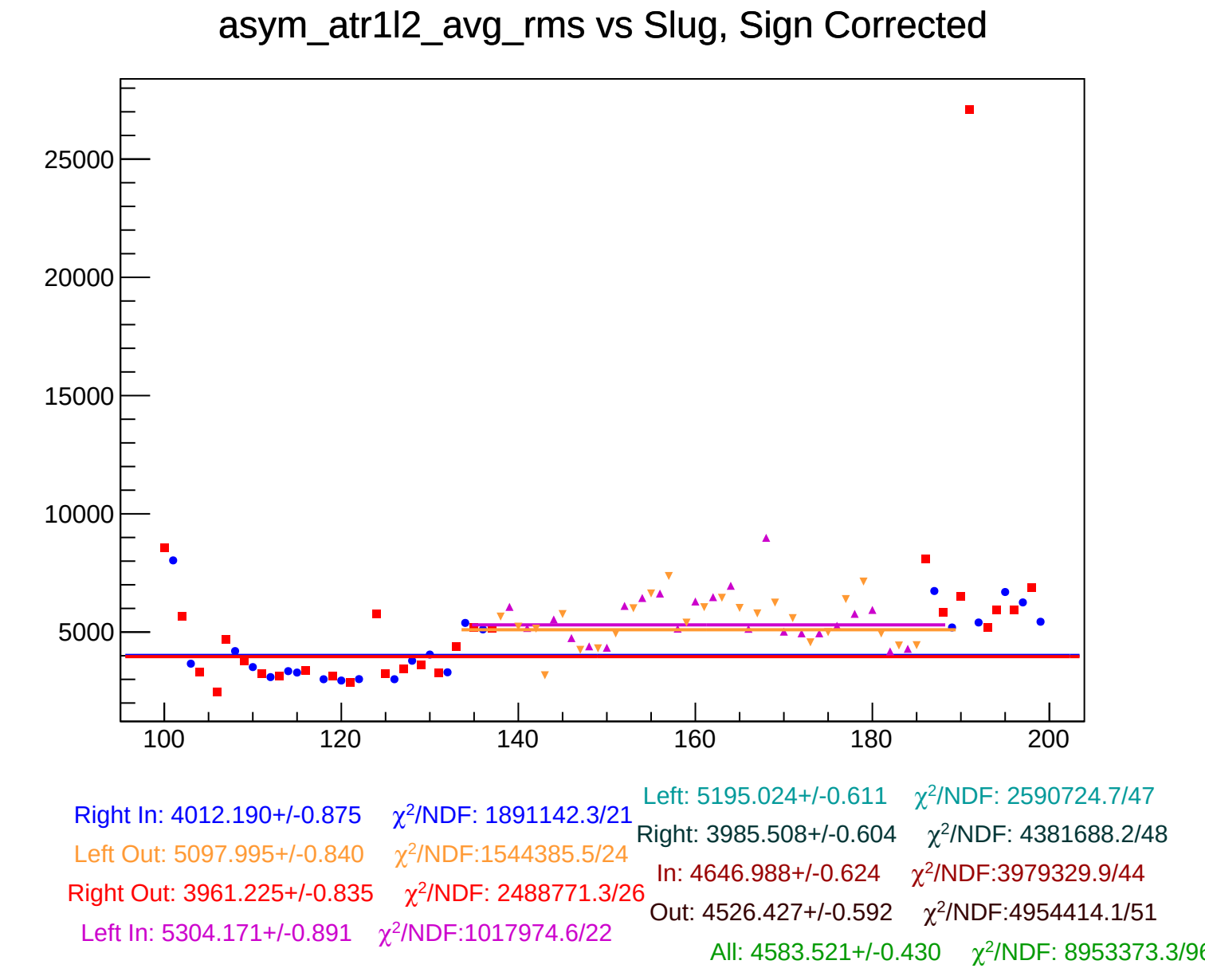
Left: 2488.690+/-864.136 χ^2/NDF: 44.1/47

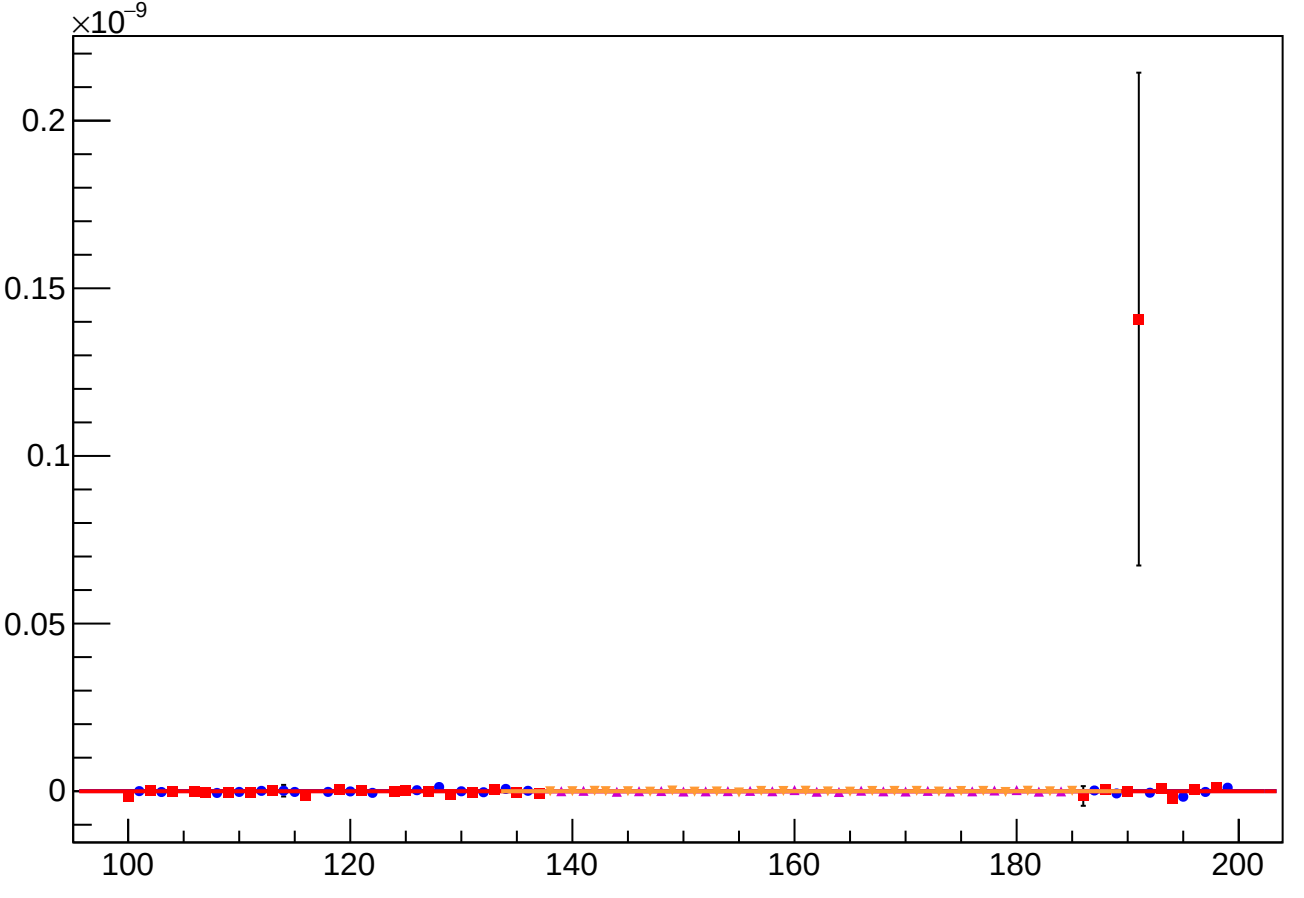
Right: 2794.464+/-860.063 χ^2/NDF: 54.3/48

In: 2366.129+/-882.960 χ^2/NDF:37.6/44

Out: 2893.822+/-842.638 χ^2/NDF:60.7/51

All: 2642.299+/-609.592 χ^2/NDF: 98.5/96


asym_atr1l2_avg_rms vs Slug, Sign Corrected
25000
20000
15000
10000
5000
100
120
140
160
180
200
Right In: 4012.190+/-0.875 χ²/NDF: 1891142.3/21
Left Out: 5097.995+/-0.840 χ²/NDF:1544385.5/24
Right Out: 3961.225+/-0.835 χ²/NDF: 2488771.3/26
Left In: 5304.171+/-0.891 χ²/NDF:1017974.6/22
Left: 5195.024+/-0.611 χ²/NDF: 2590724.7/47
Right: 3985.508+/-0.604 χ²/NDF: 4381688.2/48
In: 4646.988+/-0.624 χ²/NDF:3979329.9/44
Out: 4526.427+/-0.592 χ²/NDF:4954414.1/51
All: 4583.521+/-0.430 χ²/NDF: 8953373.3/96



Right In: 0.000+/-0.000 χ^2/NDF: 25.2/21

Left Out: 0.000+/-0.000 χ^2/NDF:15.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 35.7/26

Left In: -0.000+/-0.000 χ^2/NDF:22.9/22

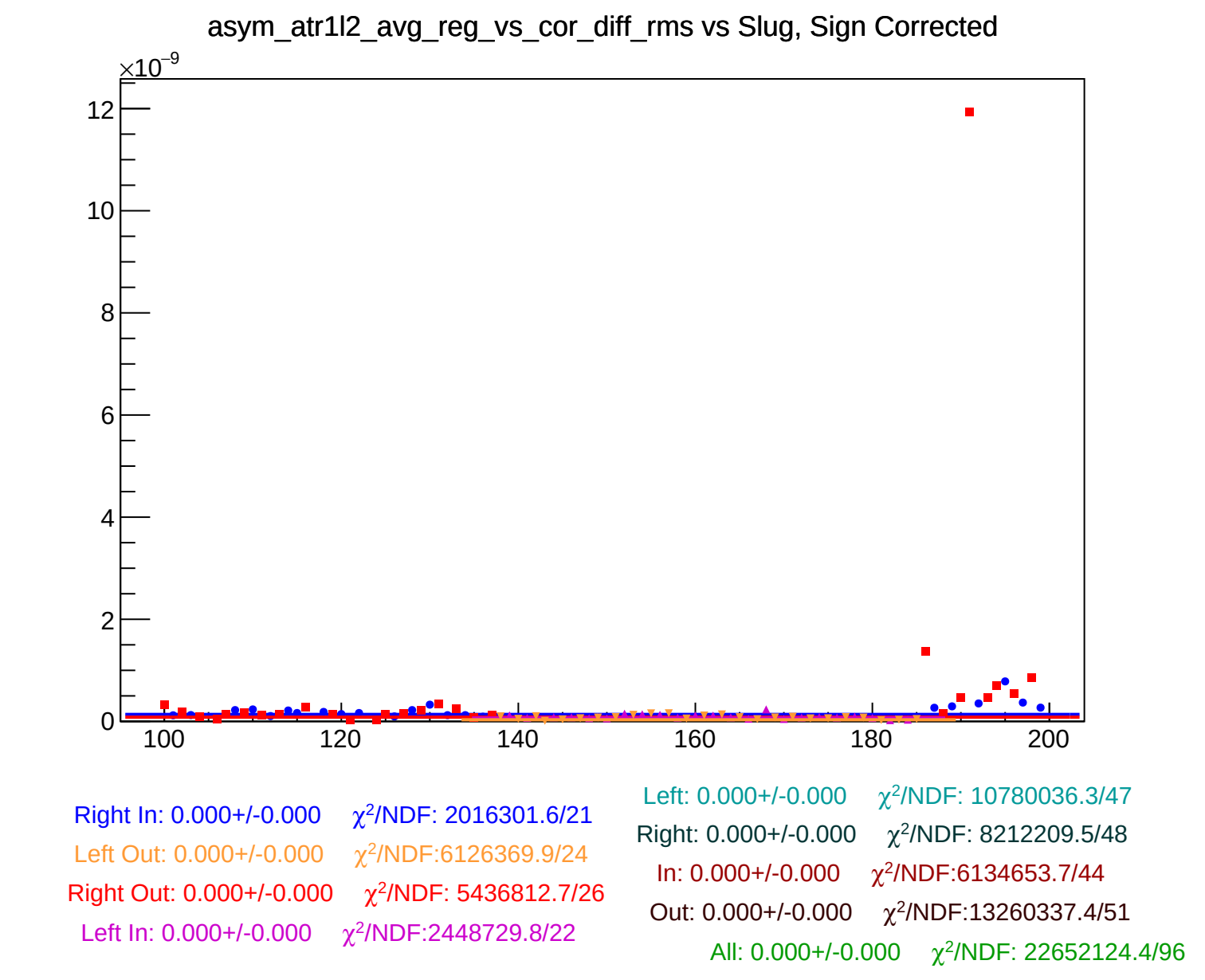
Left: 0.000+/-0.000 χ^2/NDF: 38.2/47

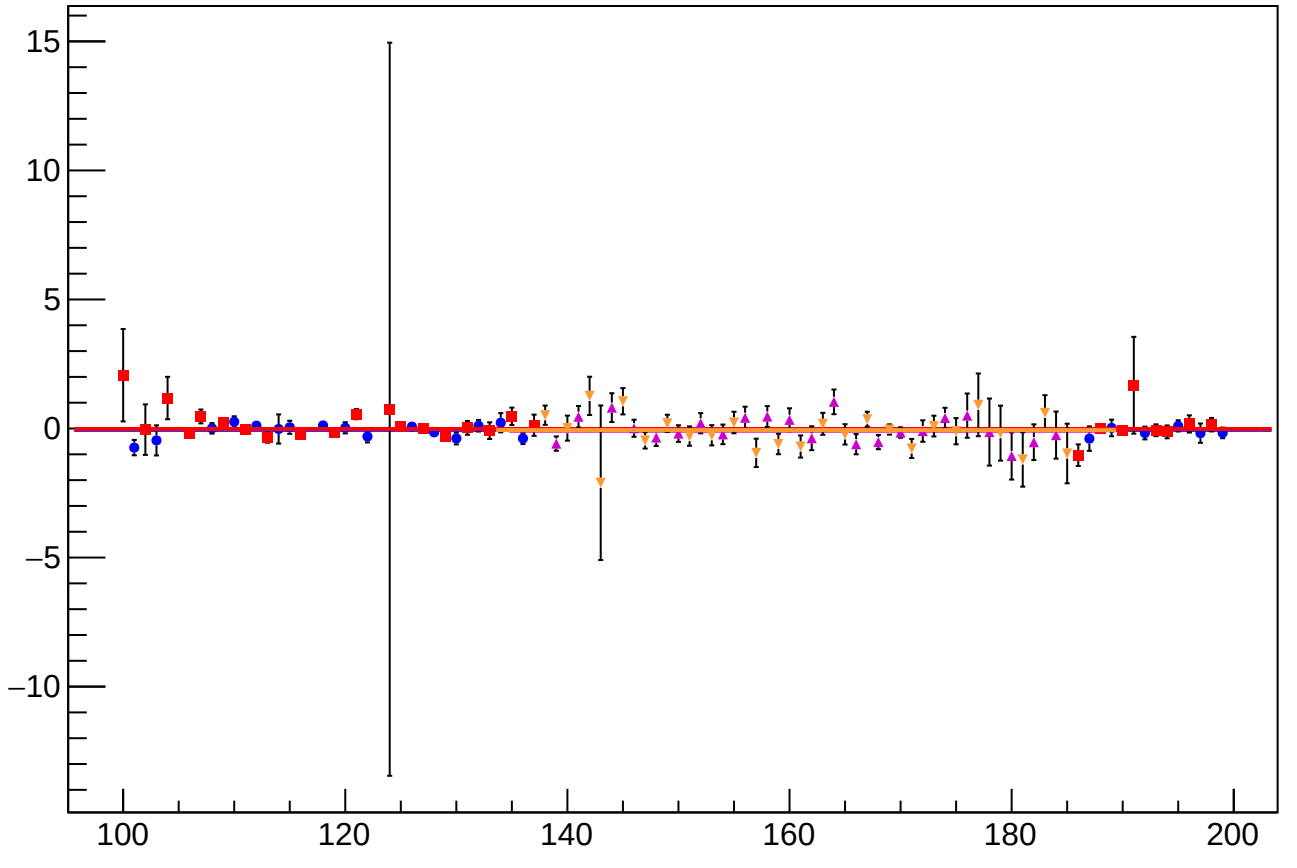
Right: 0.000+/-0.000 χ^2/NDF: 61.4/48

In: 0.000+/-0.000 χ^2/NDF:48.6/44

Out: 0.000+/-0.000 χ^2/NDF:51.1/51

All: 0.000+/-0.000 χ^2/NDF: 99.6/96


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: 2016301.6/21
Left Out: 0.000+/-0.000 χ²/NDF:6126369.9/24
Right Out: 0.000+/-0.000 χ²/NDF: 5436812.7/26
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: 8212209.5/48
In: 0.000+/-0.000 χ²/NDF:6134653.7/44
Out: 0.000+/-0.000 χ²/NDF:13260337.4/51
All: 0.000+/-0.000 χ²/NDF: 22652124.4/96



Right In: -0.050+/-0.050 χ^2/NDF: 19.7/21

Left Out: -0.061+/-0.084 χ^2/NDF:30.8/24

Right Out: -0.018+/-0.043 χ^2/NDF: 36.7/26

Left In: -0.084+/-0.081 χ^2/NDF:27.0/22

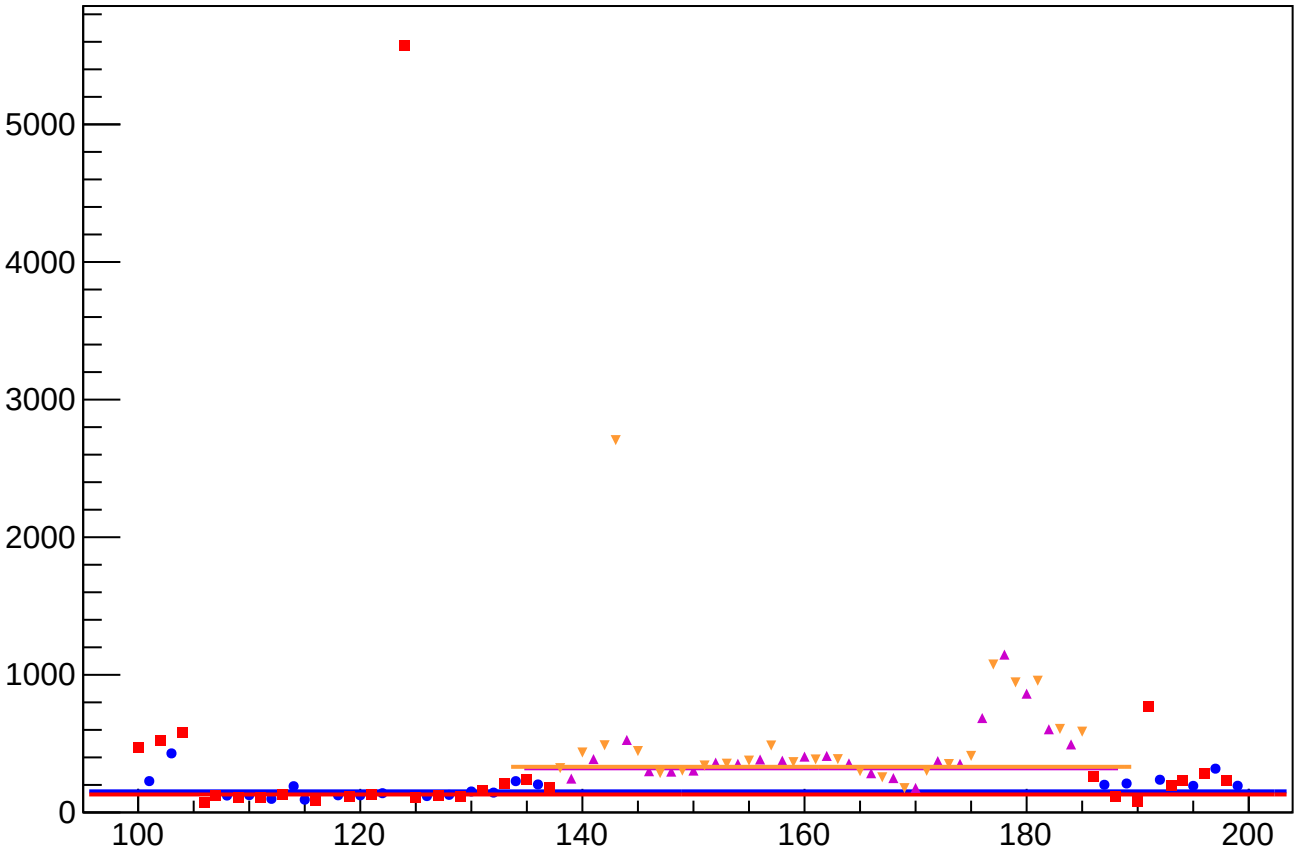
Left: -0.073+/-0.058 χ^2/NDF: 57.8/47

Right: -0.032+/-0.032 χ^2/NDF: 56.7/48

In: -0.059+/-0.042 χ^2/NDF:46.9/44

Out: -0.027+/-0.038 χ^2/NDF:67.7/51

All: -0.041+/-0.028 χ^2/NDF: 114.9/96



Right In: 153.322+/-0.035 χ^2/NDF: 2279542.1/21

Left Out: 331.651+/-0.059 χ^2/NDF:5838206.4/24

Right Out: 130.741+/-0.030 χ^2/NDF: 4087960.9/26

Left In: 320.746+/-0.057 χ^2/NDF:4248172.2/22

Left: 326.030+/-0.041 χ^2/NDF: 10103882.3/47

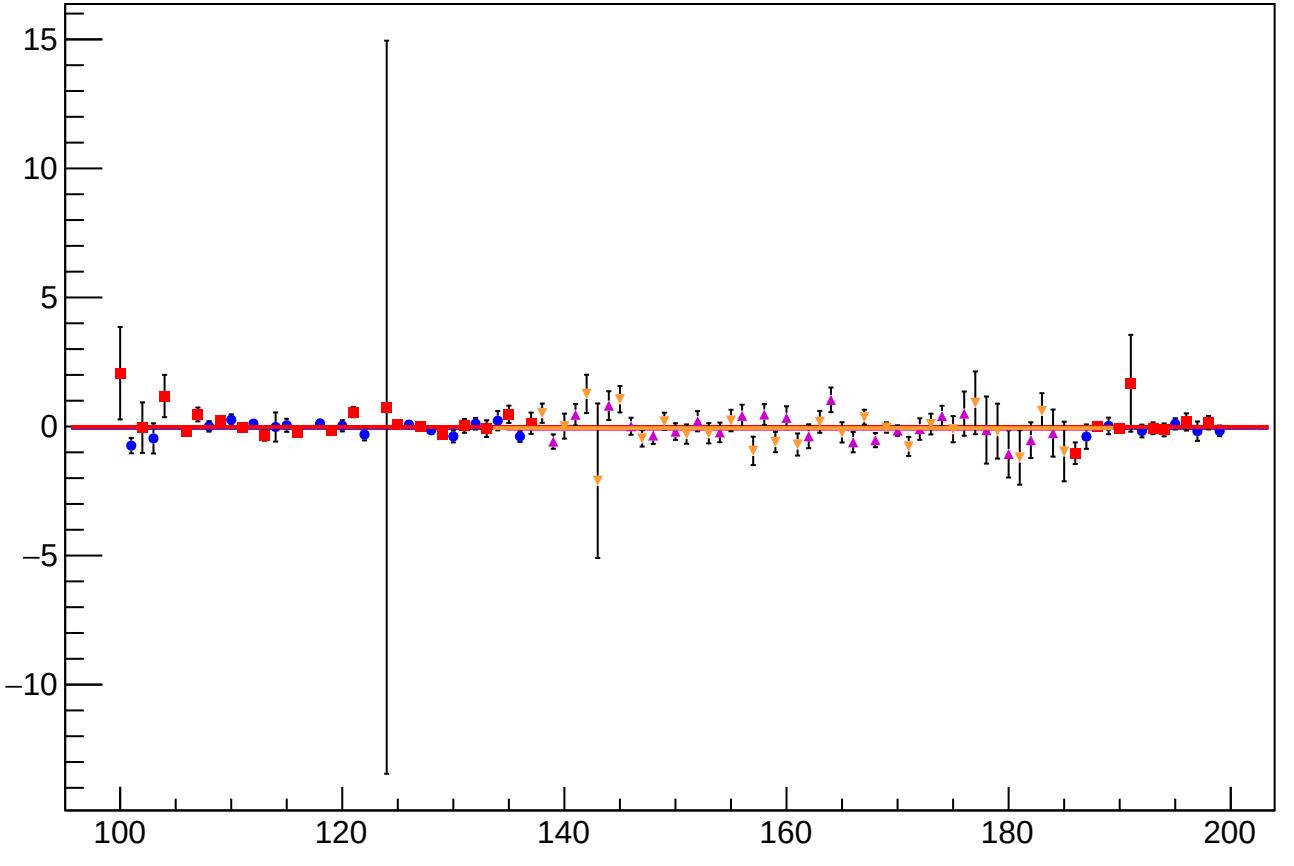
Right: 140.326+/-0.023 χ^2/NDF: 6604009.9/48

In: 199.149+/-0.030 χ^2/NDF:12711195.8/44

Out: 172.362+/-0.027 χ^2/NDF:19063965.9/51

All: 184.309+/-0.020 χ^2/NDF: 32216275.6/96

asym_atr1l2_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.050+/-0.050 χ^2/NDF: 19.7/21

Left Out: -0.061+/-0.084 χ^2/NDF:30.8/24

Right Out: -0.018+/-0.043 χ^2/NDF: 36.7/26

Left In: -0.084+/-0.081 χ^2/NDF:27.0/22

Left: -0.073+/-0.058 χ^2/NDF: 57.8/47

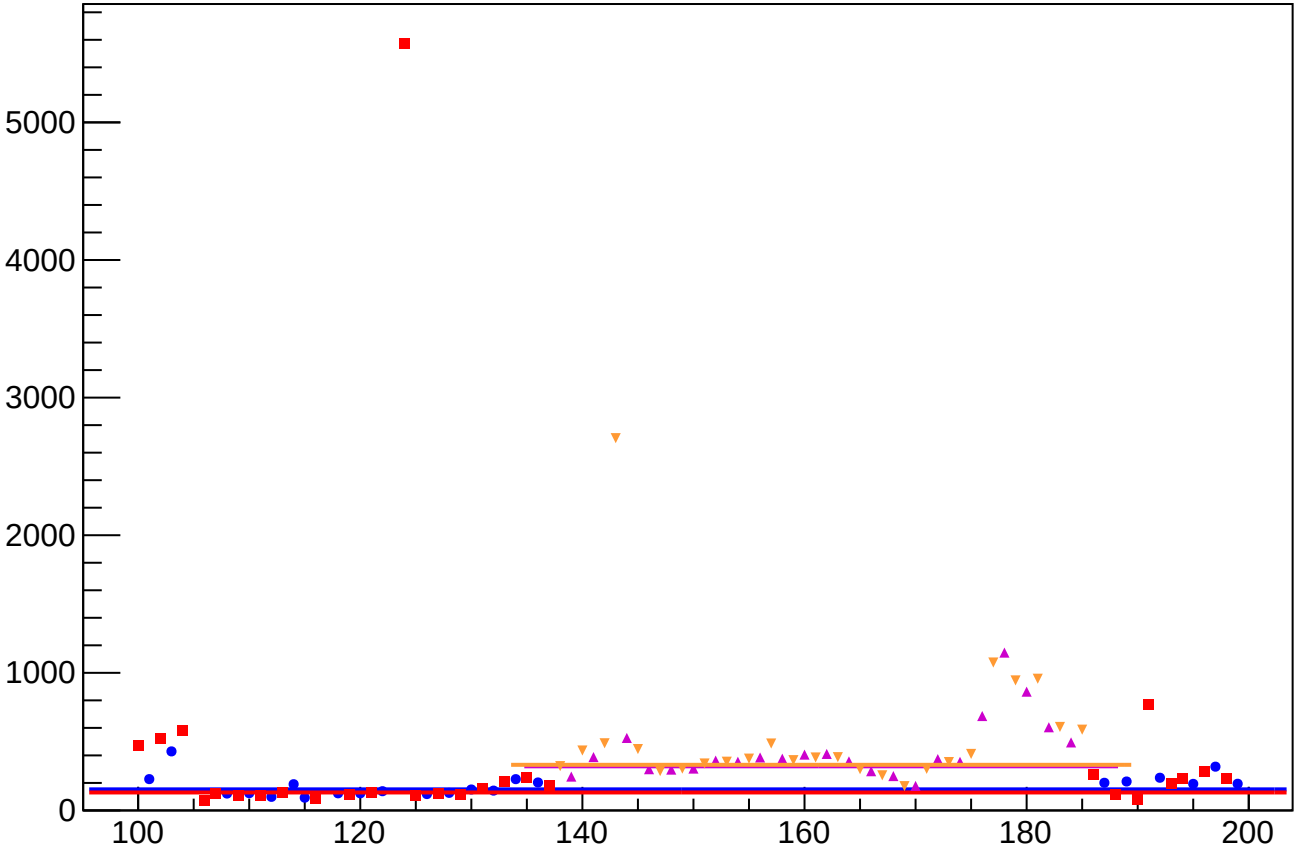
Right: -0.032+/-0.032 χ^2/NDF: 56.7/48

In: -0.059+/-0.042 χ^2/NDF:46.9/44

Out: -0.027+/-0.038 χ^2/NDF:67.7/51

All: -0.041+/-0.028 χ^2/NDF: 114.9/96

asym_atr1l2_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 153.322+/-0.035 χ^2/NDF: 2279542.1/21

Left Out: 331.651+/-0.059 χ^2/NDF:5838206.4/24

Right Out: 130.741+/-0.030 χ^2/NDF: 4087960.9/26

Left In: 320.746+/-0.057 χ^2/NDF:4248172.2/22

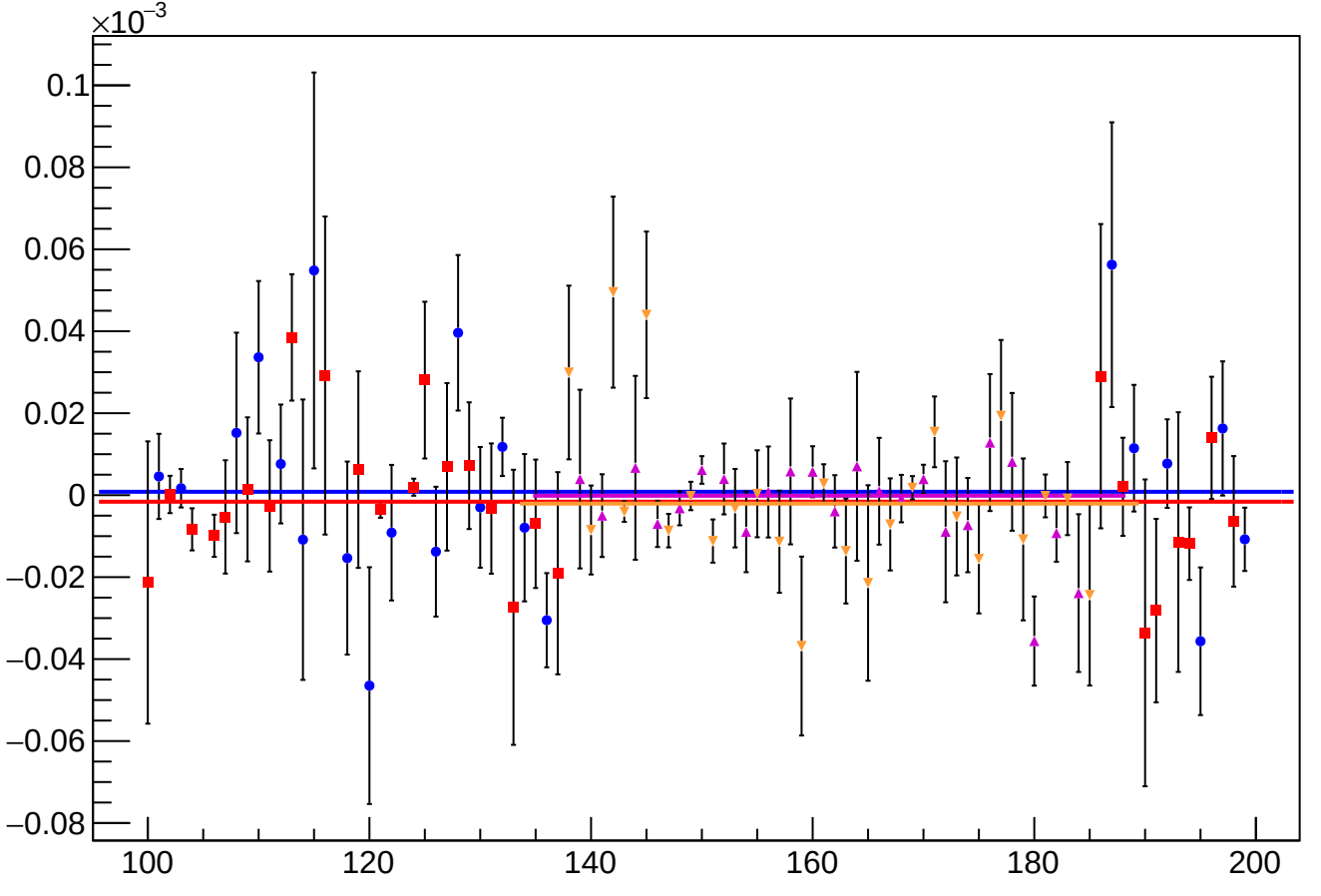
Left: 326.030+/-0.041 χ^2/NDF: 10103882.3/47

Right: 140.326+/-0.023 χ^2/NDF: 6604009.9/48

In: 199.149+/-0.030 χ^2/NDF:12711195.8/44

Out: 172.362+/-0.027 χ^2/NDF:19063965.9/51

All: 184.309+/-0.020 χ^2/NDF: 32216275.6/96



Right In: 0.000+/-0.000 χ^2/NDF: 34.5/21

Left Out: -0.000+/-0.000 χ^2/NDF:34.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 25.8/26

Left In: -0.000+/-0.000 χ^2/NDF:24.9/22

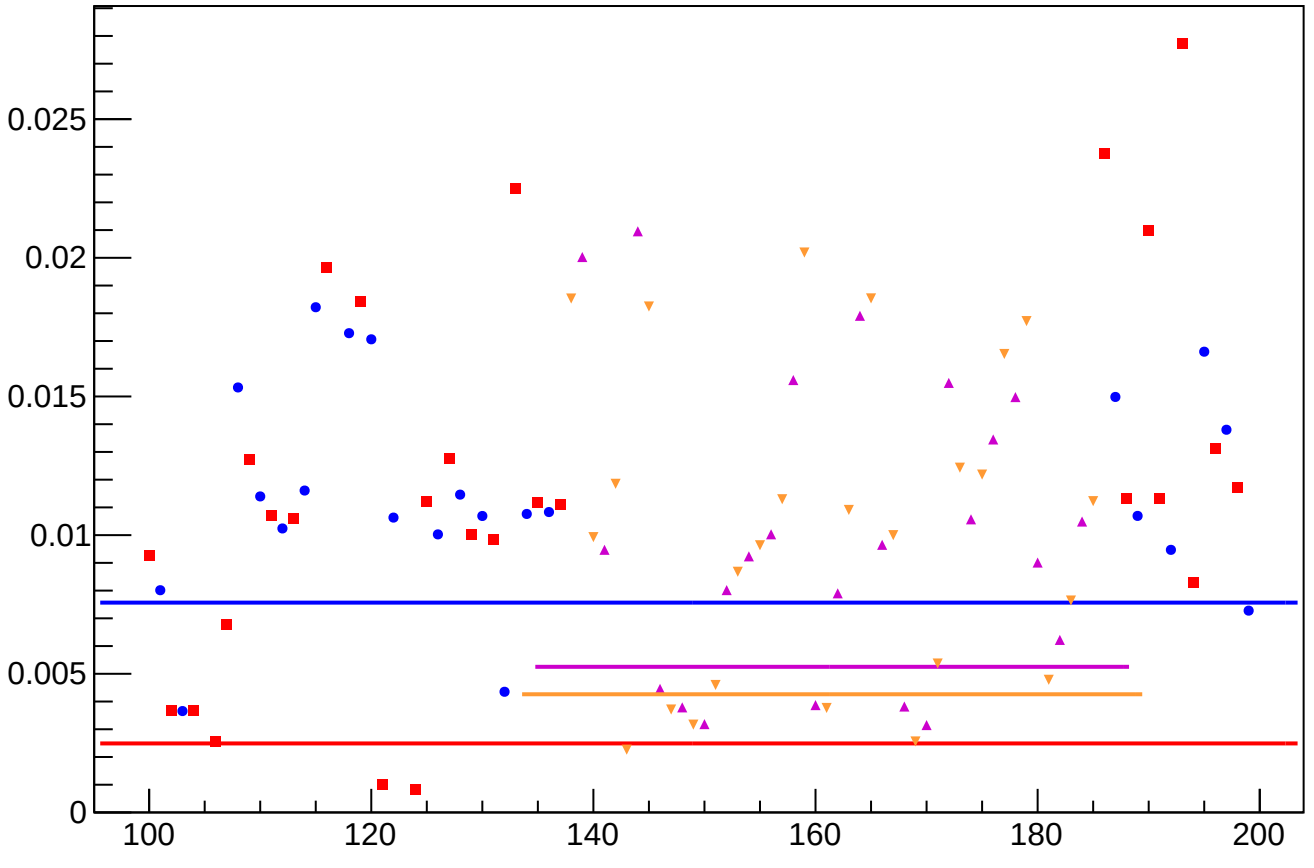
Left: -0.000+/-0.000 χ^2/NDF: 60.6/47

Right: -0.000+/-0.000 χ^2/NDF: 61.1/48

In: 0.000+/-0.000 χ^2/NDF:59.5/44

Out: -0.000+/-0.000 χ^2/NDF:60.7/51

All: -0.000+/-0.000 χ^2/NDF: 121.7/96



Right In: 0.008+/-0.000 χ^2/NDF: 4380724.0/21

Left Out: 0.004+/-0.000 χ^2/NDF:12968514.8/24

Right Out: 0.002+/-0.000 χ^2/NDF: 15640120.8/26

Left In: 0.005+/-0.000 χ^2/NDF:9531217.7/22

Left: 0.005+/-0.000 χ^2/NDF: 23007822.3/47

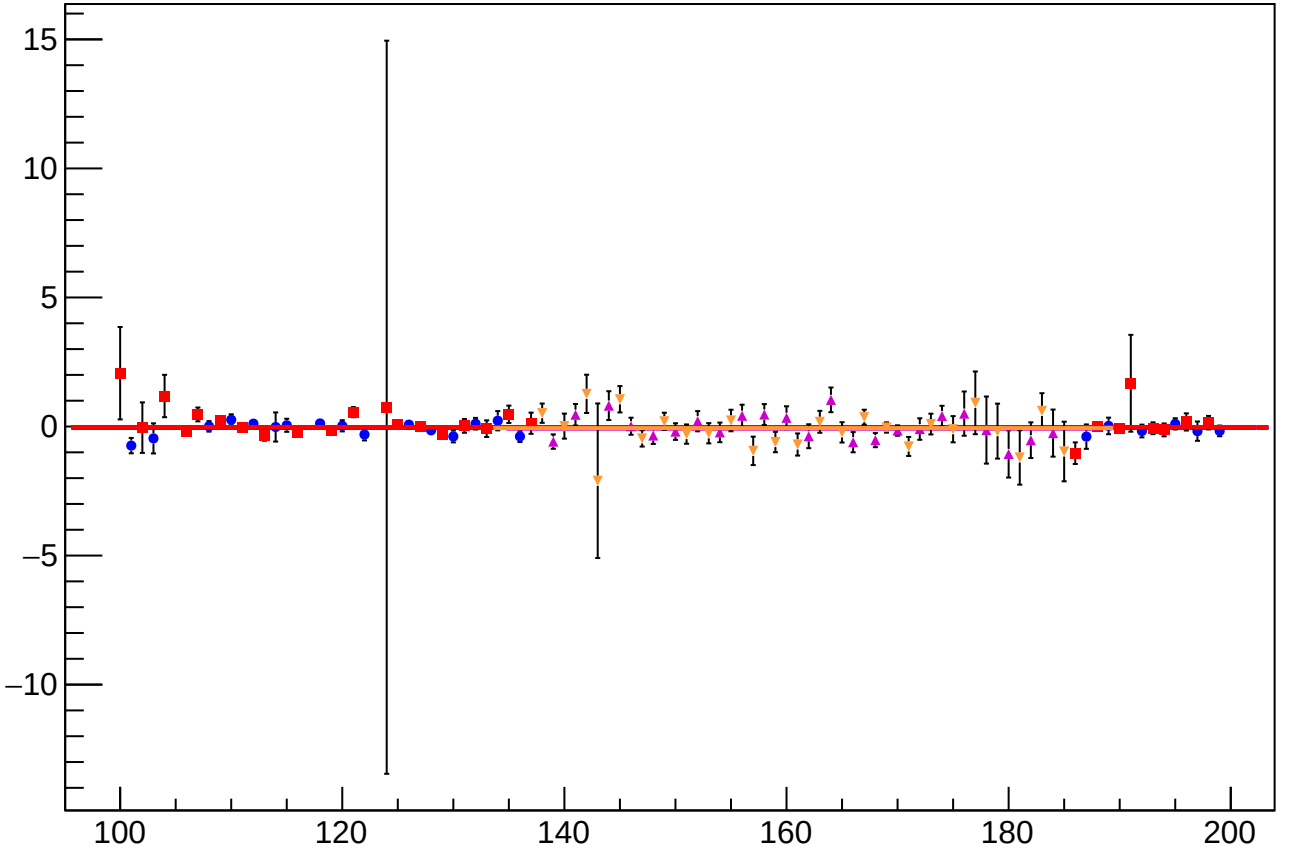
Right: 0.003+/-0.000 χ^2/NDF: 26359780.0/48

In: 0.006+/-0.000 χ^2/NDF:15110881.6/44

Out: 0.003+/-0.000 χ^2/NDF:30668478.5/51

All: 0.004+/-0.000 χ^2/NDF: 50783174.3/96

asym_atr1l2_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.050+/-0.050 χ^2/NDF: 19.7/21

Left Out: -0.061+/-0.084 χ^2/NDF:30.8/24

Right Out: -0.018+/-0.043 χ^2/NDF: 36.7/26

Left In: -0.084+/-0.081 χ^2/NDF:27.0/22

Left: -0.073+/-0.058 χ^2/NDF: 57.8/47

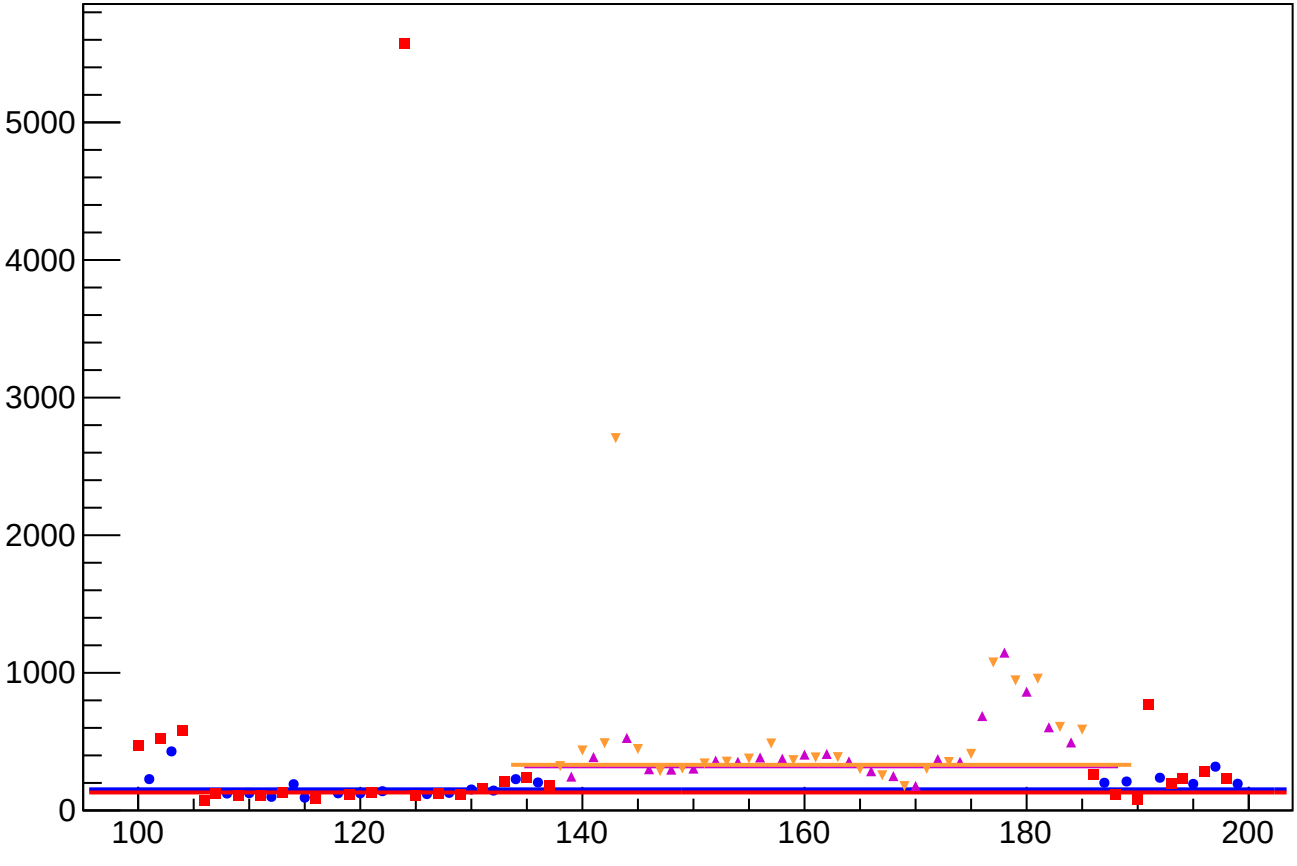
Right: -0.032+/-0.032 χ^2/NDF: 56.7/48

In: -0.059+/-0.042 χ^2/NDF:46.9/44

Out: -0.027+/-0.038 χ^2/NDF:67.7/51

All: -0.041+/-0.028 χ^2/NDF: 114.9/96

asym_atr1l2_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 153.323+/-0.035 χ^2/NDF: 2279460.9/21

Left Out: 331.653+/-0.059 χ^2/NDF:5838264.0/24

Right Out: 130.741+/-0.030 χ^2/NDF: 4087922.0/26

Left In: 320.749+/-0.057 χ^2/NDF:4248171.3/22

Left: 326.033+/-0.041 χ^2/NDF: 10103935.7/47

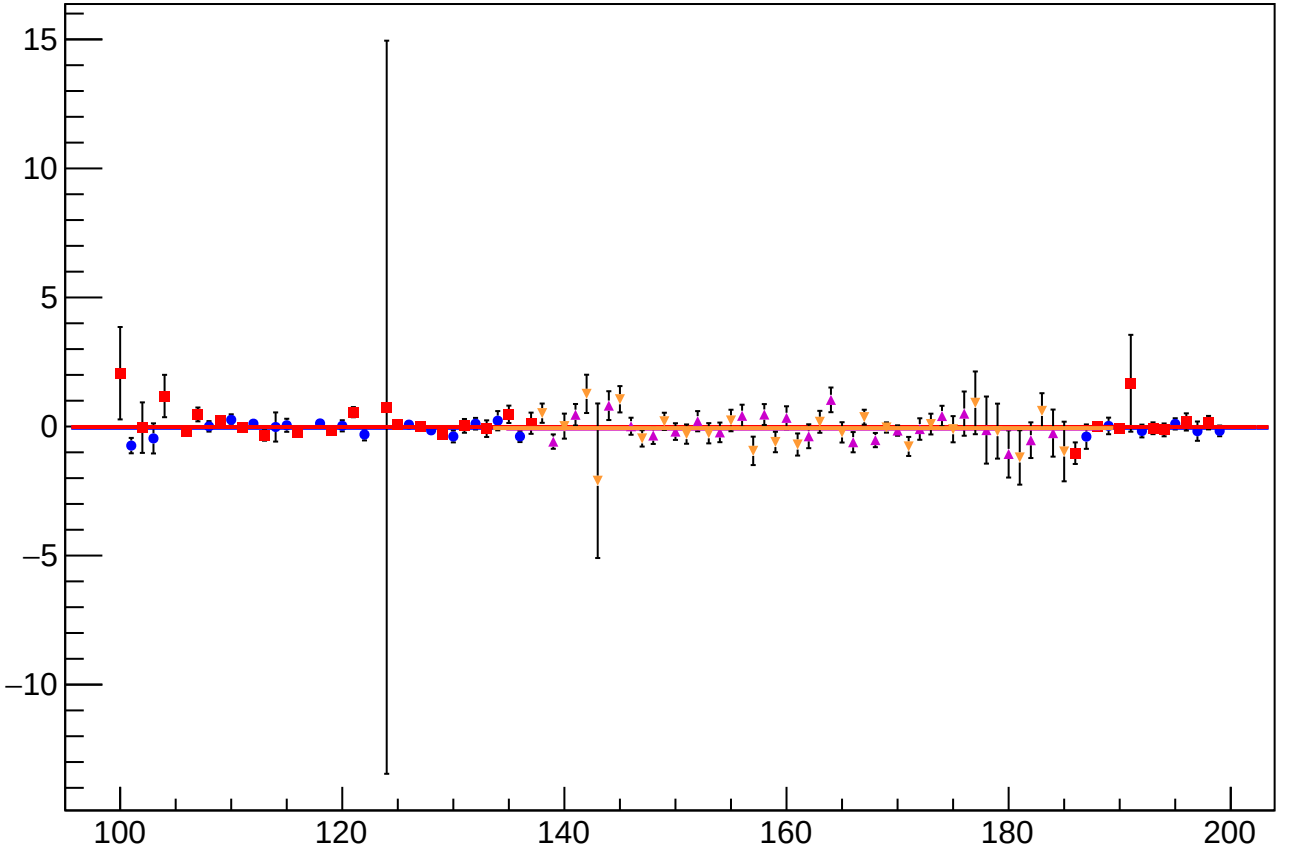
Right: 140.326+/-0.023 χ^2/NDF: 6603918.5/48

In: 199.150+/-0.030 χ^2/NDF:12711163.2/44

Out: 172.361+/-0.027 χ^2/NDF:19064119.9/51

All: 184.309+/-0.020 χ^2/NDF: 32216450.2/96

asym_atr1l2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.050+/-0.050 χ^2/NDF: 19.7/21

Left Out: -0.061+/-0.084 χ^2/NDF:30.8/24

Right Out: -0.018+/-0.043 χ^2/NDF: 36.7/26

Left In: -0.084+/-0.081 χ^2/NDF:27.0/22

Left: -0.073+/-0.058 χ^2/NDF: 57.8/47

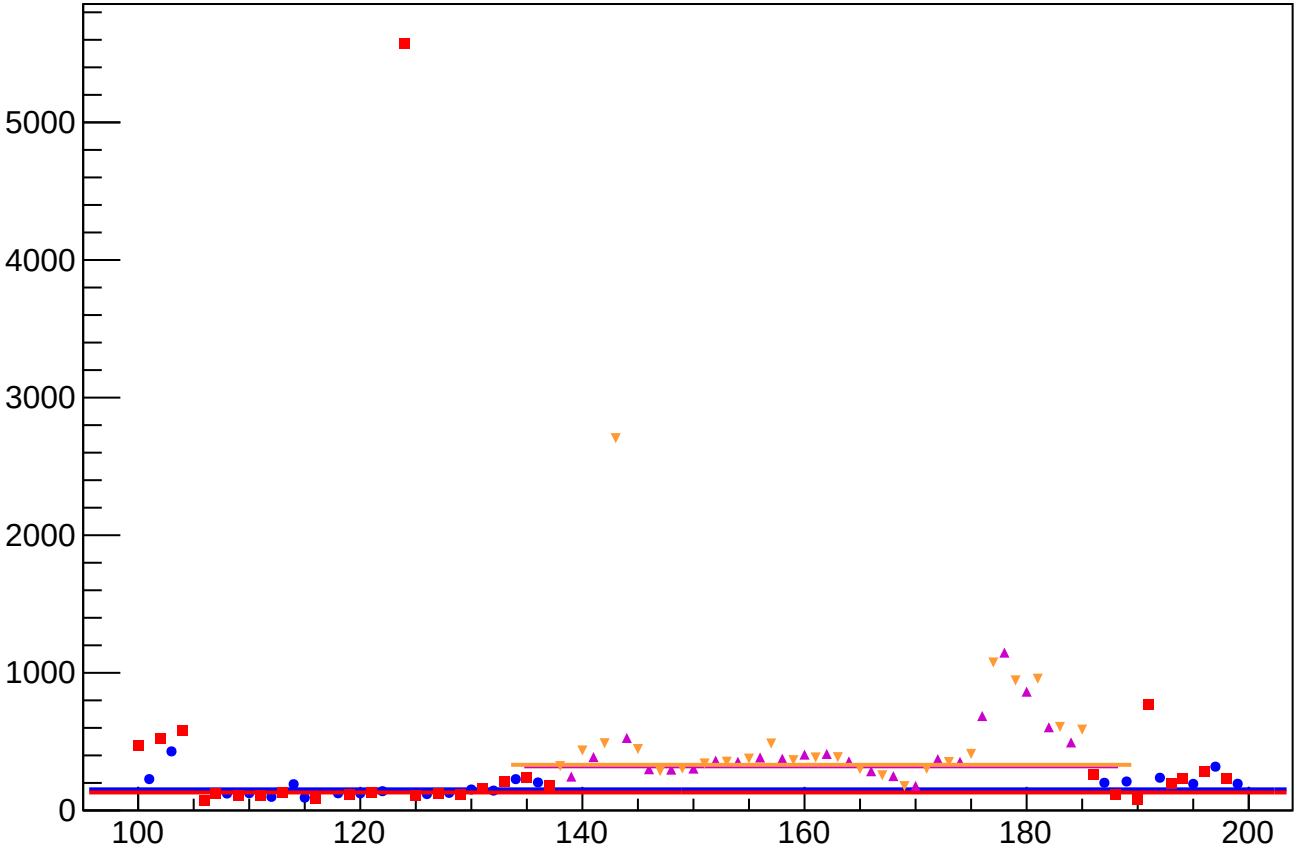
Right: -0.032+/-0.032 χ^2/NDF: 56.7/48

In: -0.059+/-0.042 χ^2/NDF:46.9/44

Out: -0.027+/-0.038 χ^2/NDF:67.7/51

All: -0.041+/-0.028 χ^2/NDF: 114.9/96

asym_atr1l2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 153.323+/-0.035 χ^2/NDF: 2279460.9/21

Left Out: 331.653+/-0.059 χ^2/NDF:5838264.0/24

Right Out: 130.741+/-0.030 χ^2/NDF: 4087922.0/26

Left In: 320.749+/-0.057 χ^2/NDF:4248171.3/22

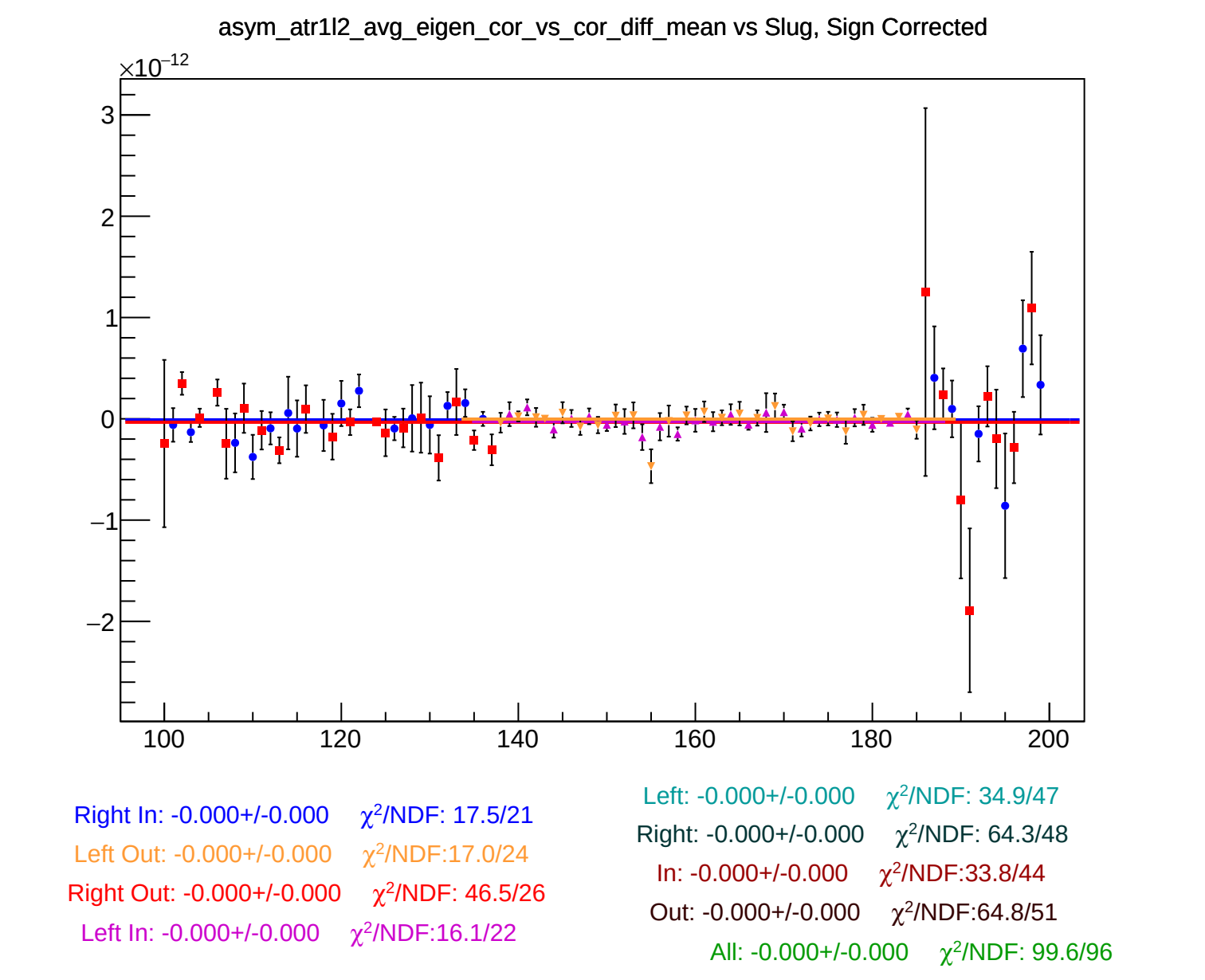
Left: 326.033+/-0.041 χ^2/NDF: 10103935.7/47

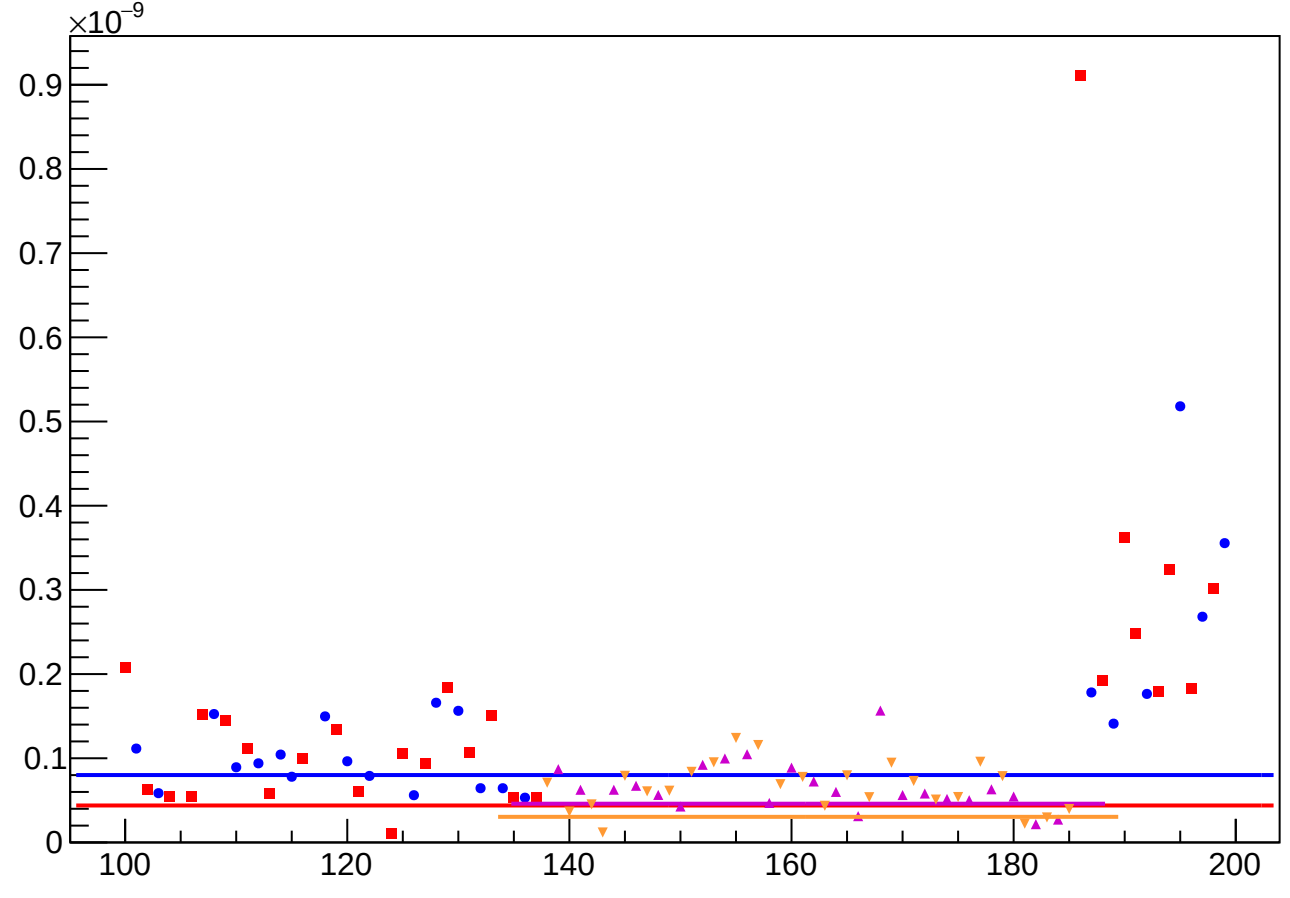
Right: 140.326+/-0.023 χ^2/NDF: 6603918.5/48

In: 199.150+/-0.030 χ^2/NDF:12711163.2/44

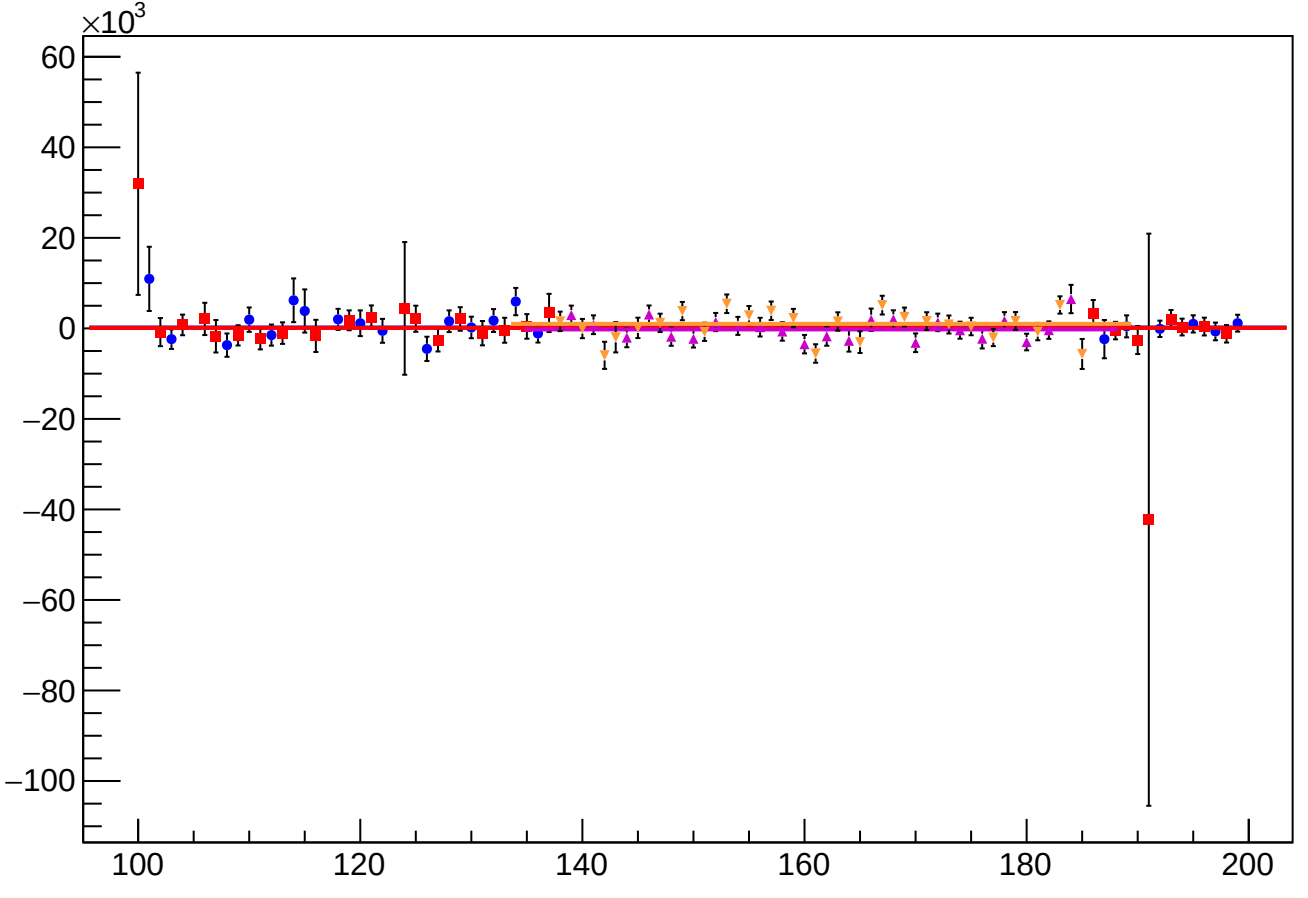
Out: 172.361+/-0.027 χ^2/NDF:19064119.9/51

All: 184.309+/-0.020 χ^2/NDF: 32216450.2/96


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: 17.5/21
Left Out: -0.000+/-0.000 χ²/NDF:17.0/24
Right Out: -0.000+/-0.000 χ²/NDF: 46.5/26
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: 64.3/48
In: -0.000+/-0.000 χ²/NDF:33.8/44
Out: -0.000+/-0.000 χ²/NDF:64.8/51
All: -0.000+/-0.000 χ²/NDF: 99.6/96


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: 3319108.3/21
Left Out: 0.000+/-0.000 χ²/NDF:10517831.9/24
Right Out: 0.000+/-0.000 χ²/NDF: 7761953.4/26
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: 12428384.2/48
In: 0.000+/-0.000 χ²/NDF:9742287.9/44
Out: 0.000+/-0.000 χ²/NDF:18769138.2/51
All: 0.000+/-0.000 χ²/NDF: 30882838.4/96

reg_asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: 188.063+/-526.811 χ^2/NDF: 18.7/21

Left Out: 1004.165+/-422.582 χ^2/NDF:47.4/24

Right Out: 112.047+/-508.167 χ^2/NDF: 12.7/26

Left In: -229.321+/-429.699 χ^2/NDF:26.4/22

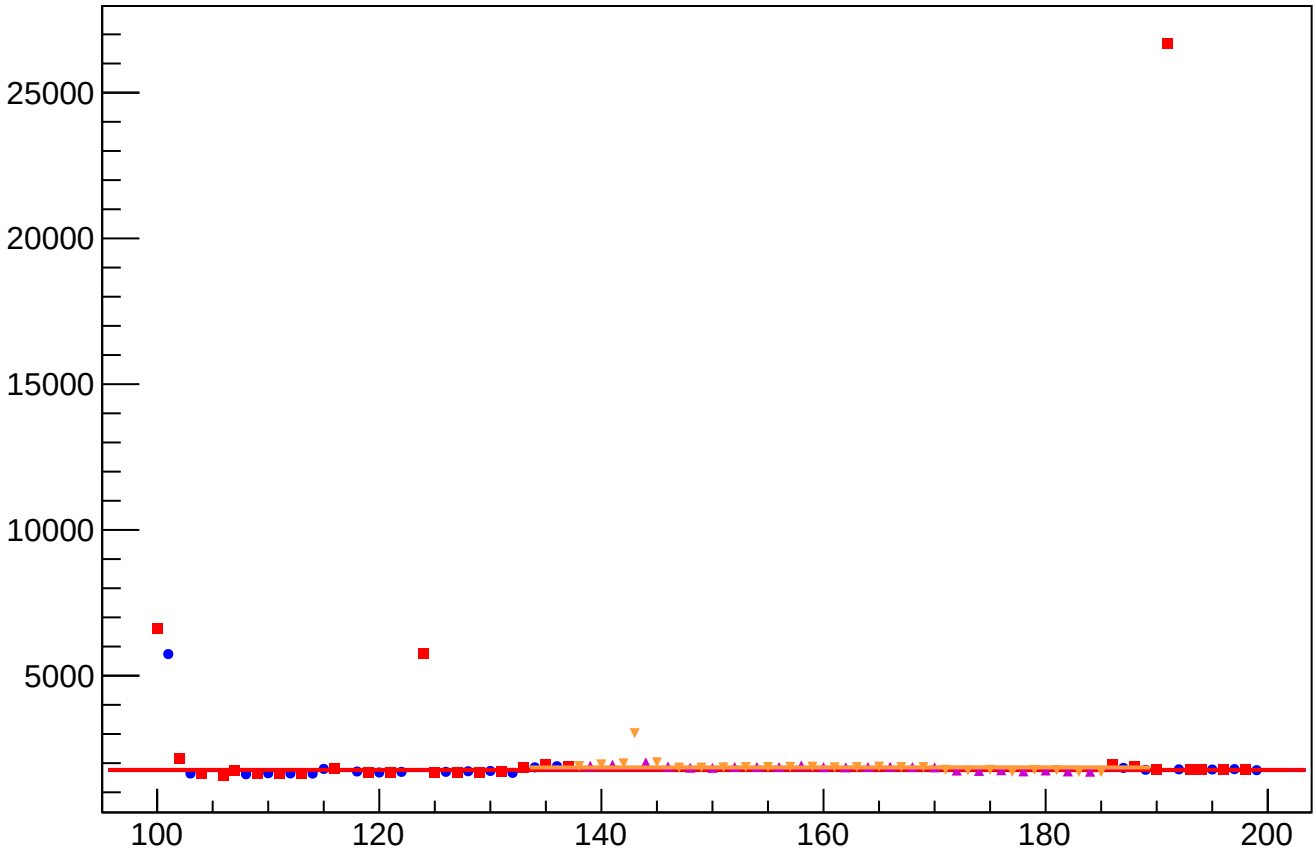
Left: 397.721+/-301.295 χ^2/NDF: 77.9/47

Right: 148.686+/-365.742 χ^2/NDF: 31.4/48

In: -62.573+/-332.980 χ^2/NDF:45.5/44

Out: 639.451+/-324.916 χ^2/NDF:61.9/51

All: 297.042+/-232.549 χ^2/NDF: 109.6/96



Right In: 1761.790+/-0.373 χ^2/NDF: 672058.3/21

Left Out: 1852.534+/-0.299 χ^2/NDF:321038.9/24

Right Out: 1768.959+/-0.358 χ^2/NDF: 637965.2/26

Left In: 1838.528+/-0.304 χ^2/NDF:68478.0/22

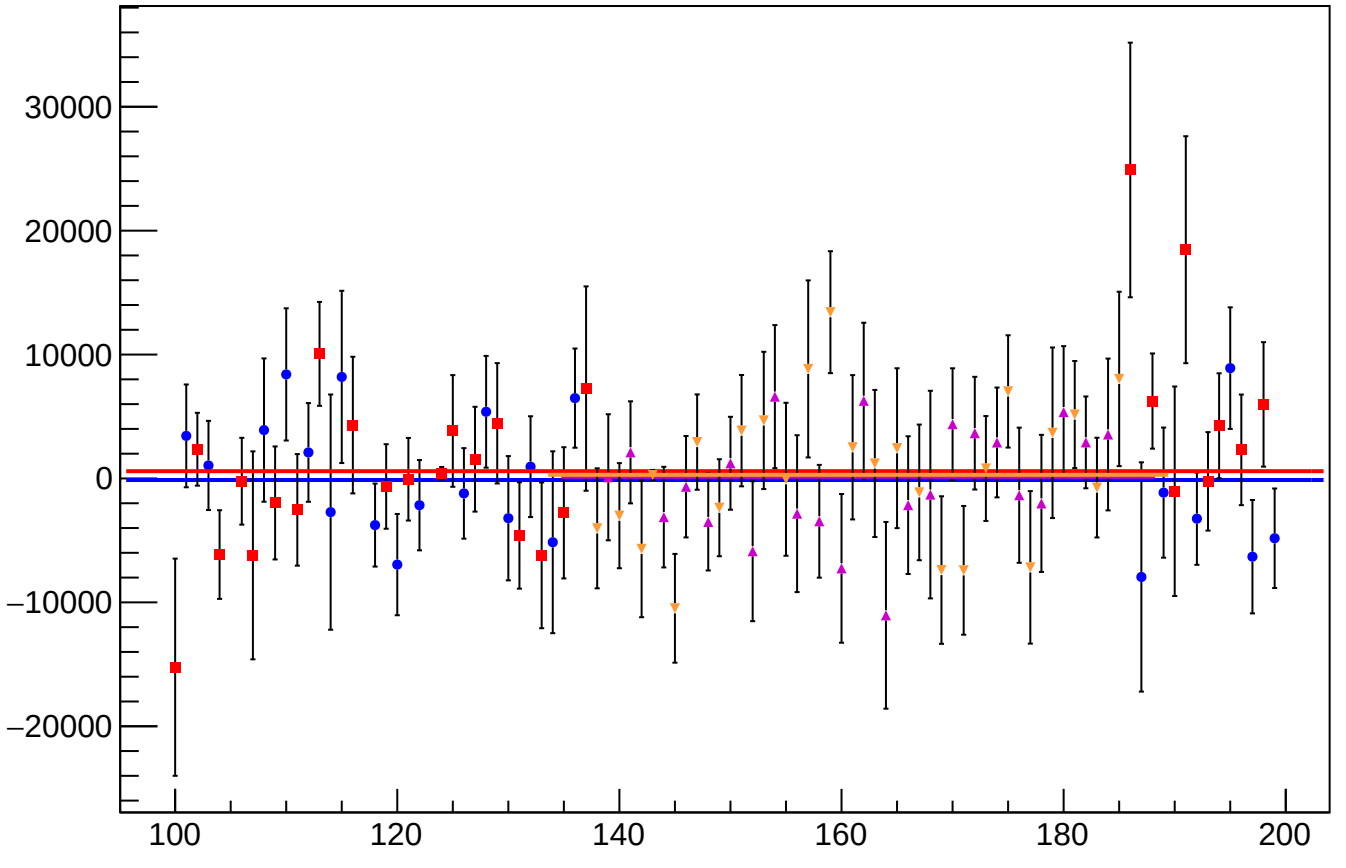
Left: 1845.648+/-0.213 χ^2/NDF: 390597.1/47

Right: 1765.520+/-0.258 χ^2/NDF: 1310216.2/48

In: 1807.871+/-0.235 χ^2/NDF:766019.2/44

Out: 1818.188+/-0.229 χ^2/NDF:991152.7/51

All: 1813.165+/-0.164 χ^2/NDF: 1758157.2/96



Right In: -123.098+/-955.208 χ^2/NDF: 23.2/21

Left Out: 294.407+/-379.922 χ^2/NDF:30.0/24

Right Out: 588.991+/-443.663 χ^2/NDF: 33.3/26

Left In: 138.350+/-1022.943 χ^2/NDF:13.9/22

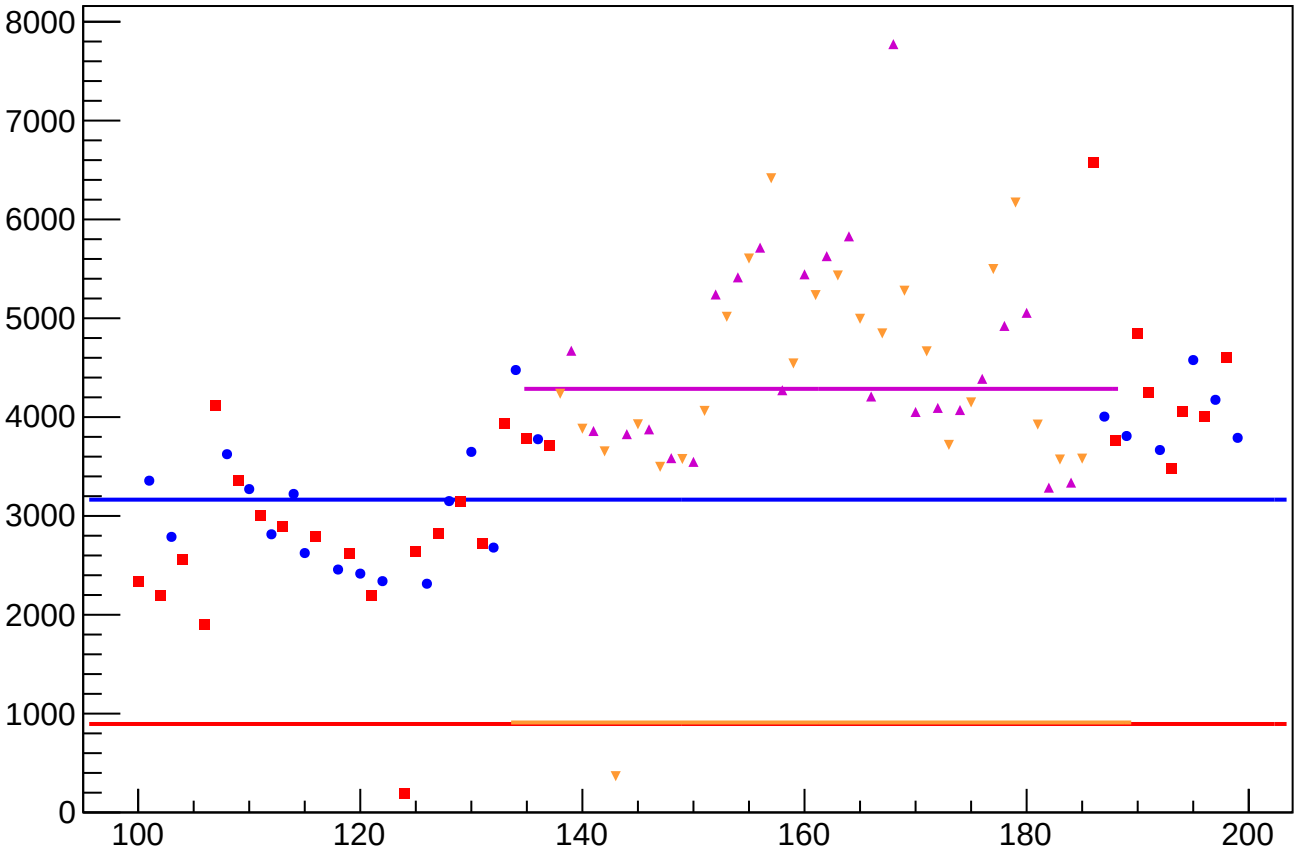
Left: 275.490+/-356.152 χ^2/NDF: 43.9/47

Right: 462.631+/-402.379 χ^2/NDF: 57.0/48

In: -1.316+/-698.153 χ^2/NDF:37.2/44

Out: 419.035+/-288.574 χ^2/NDF:63.5/51

All: 357.698+/-266.690 χ^2/NDF: 101.0/96



Right In: 3164.785+/-0.675 χ^2/NDF: 986464.3/21

Left Out: 910.135+/-0.269 χ^2/NDF:26774123.9/24

Right Out: 895.111+/-0.314 χ^2/NDF: 17005655.1/26

Left In: 4285.839+/-0.723 χ^2/NDF:1327947.9/22

Left: 1319.331+/-0.252 χ^2/NDF: 47241855.7/47

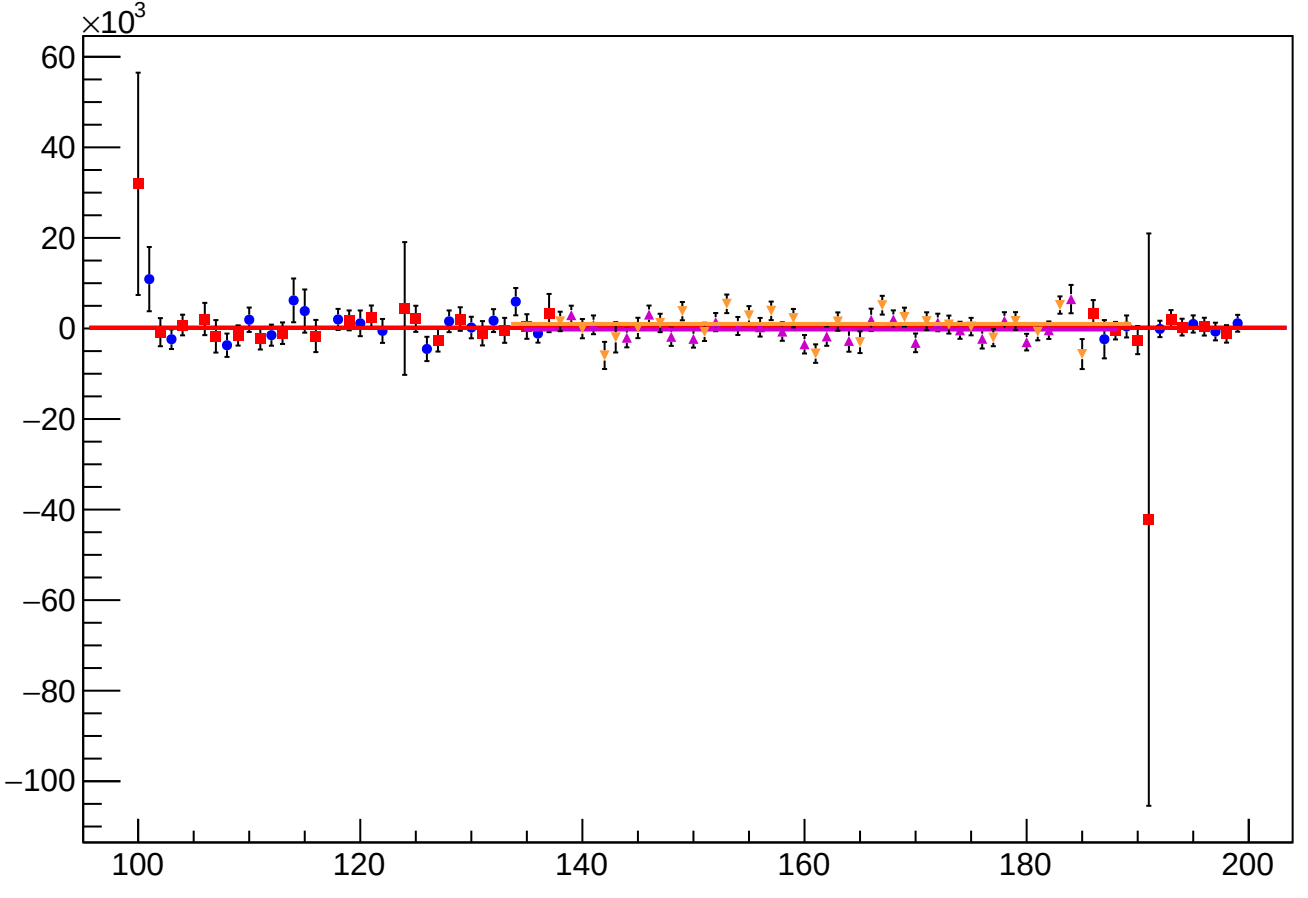
Right: 1297.862+/-0.285 χ^2/NDF: 27280159.7/48

In: 3686.970+/-0.494 χ^2/NDF:3597583.5/44

Out: 903.779+/-0.204 χ^2/NDF:43781102.2/51

All: 1309.900+/-0.189 χ^2/NDF: 74525207.7/9

cor_asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: 187.828+/-526.811 χ^2/NDF: 18.7/21

Left Out: 1004.123+/-422.582 χ^2/NDF:47.4/24

Right Out: 112.035+/-508.167 χ^2/NDF: 12.7/26

Left In: -229.236+/-429.699 χ^2/NDF:26.4/22

Left: 397.741+/-301.295 χ^2/NDF: 77.9/47

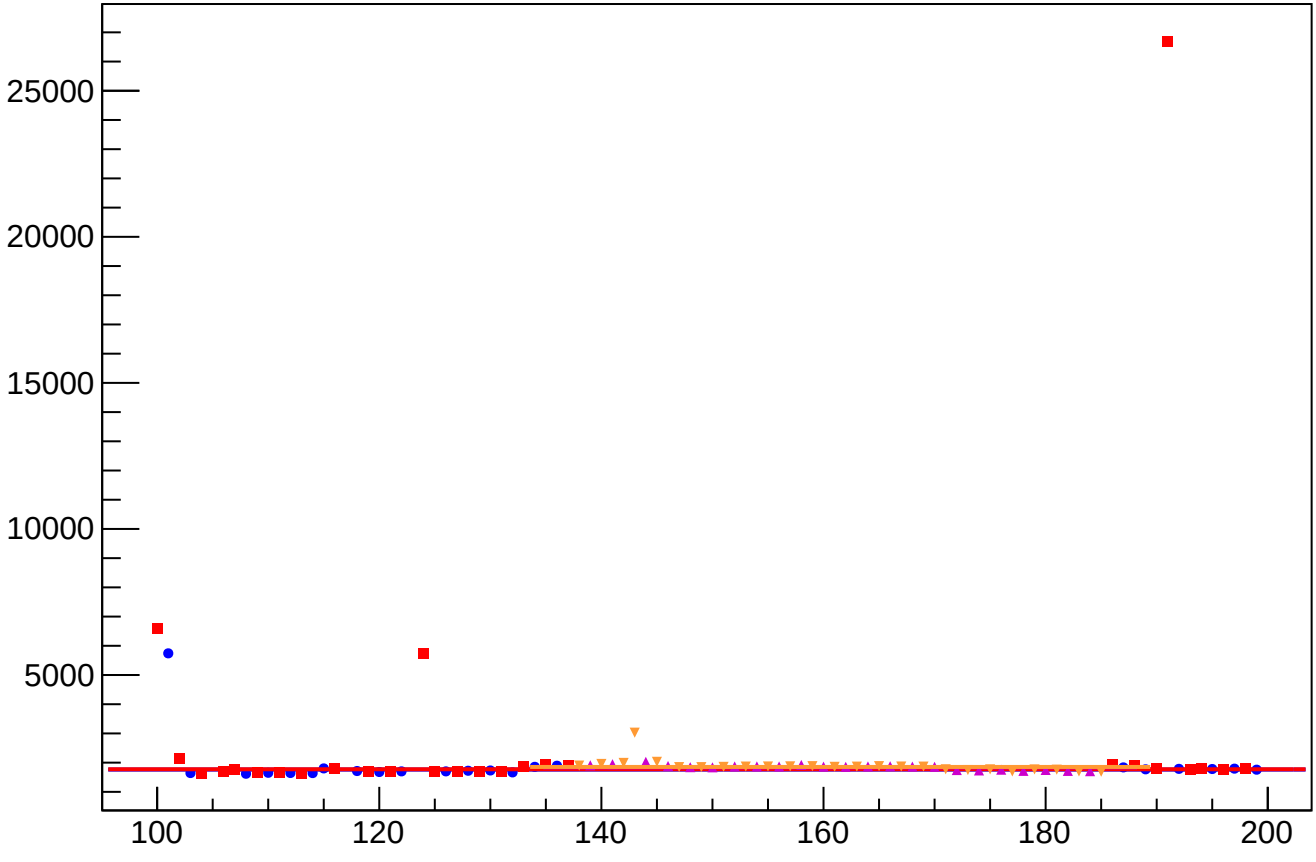
Right: 148.567+/-365.742 χ^2/NDF: 31.4/48

In: -62.616+/-332.980 χ^2/NDF:45.4/44

Out: 639.422+/-324.916 χ^2/NDF:61.9/51

All: 297.006+/-232.549 χ^2/NDF: 109.6/96

cor_asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 1761.790+/-0.373 χ^2/NDF: 672058.6/21

Left Out: 1852.534+/-0.299 χ^2/NDF:321038.9/24

Right Out: 1773.131+/-0.359 χ^2/NDF: 629579.7/26

Left In: 1838.528+/-0.304 χ^2/NDF:68478.0/22

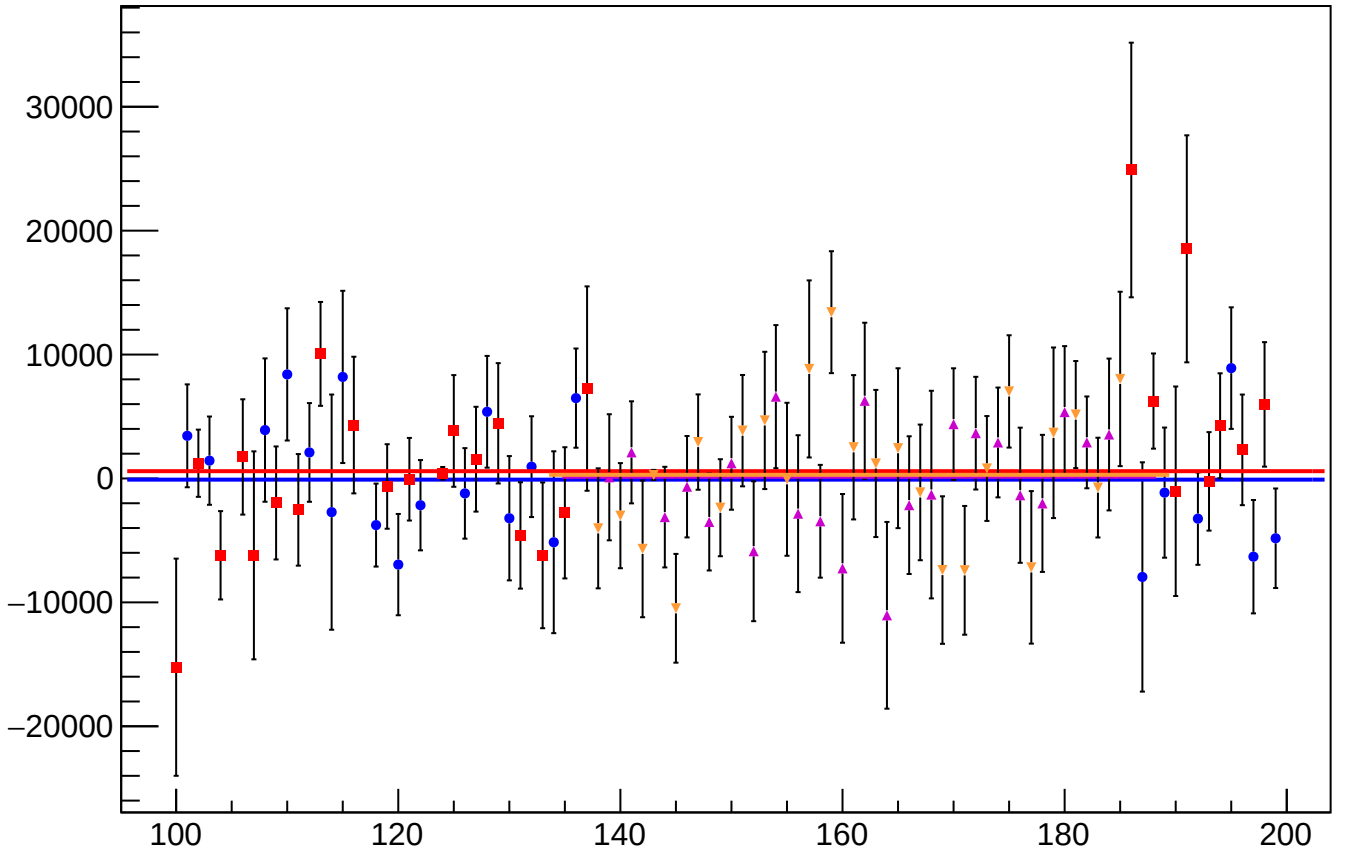
Left: 1845.648+/-0.213 χ^2/NDF: 390597.1/47

Right: 1767.677+/-0.258 χ^2/NDF: 1302119.5/48

In: 1807.871+/-0.235 χ^2/NDF:766019.6/44

Out: 1819.986+/-0.230 χ^2/NDF:979563.1/51

All: 1814.082+/-0.164 χ^2/NDF: 1746940.2/96



Right In: -93.600+/-954.530 χ^2/NDF: 23.3/21

Left Out: 295.308+/-379.951 χ^2/NDF:30.0/24

Right Out: 587.871+/-444.495 χ^2/NDF: 33.1/26

Left In: 138.272+/-1022.940 χ^2/NDF:13.9/22

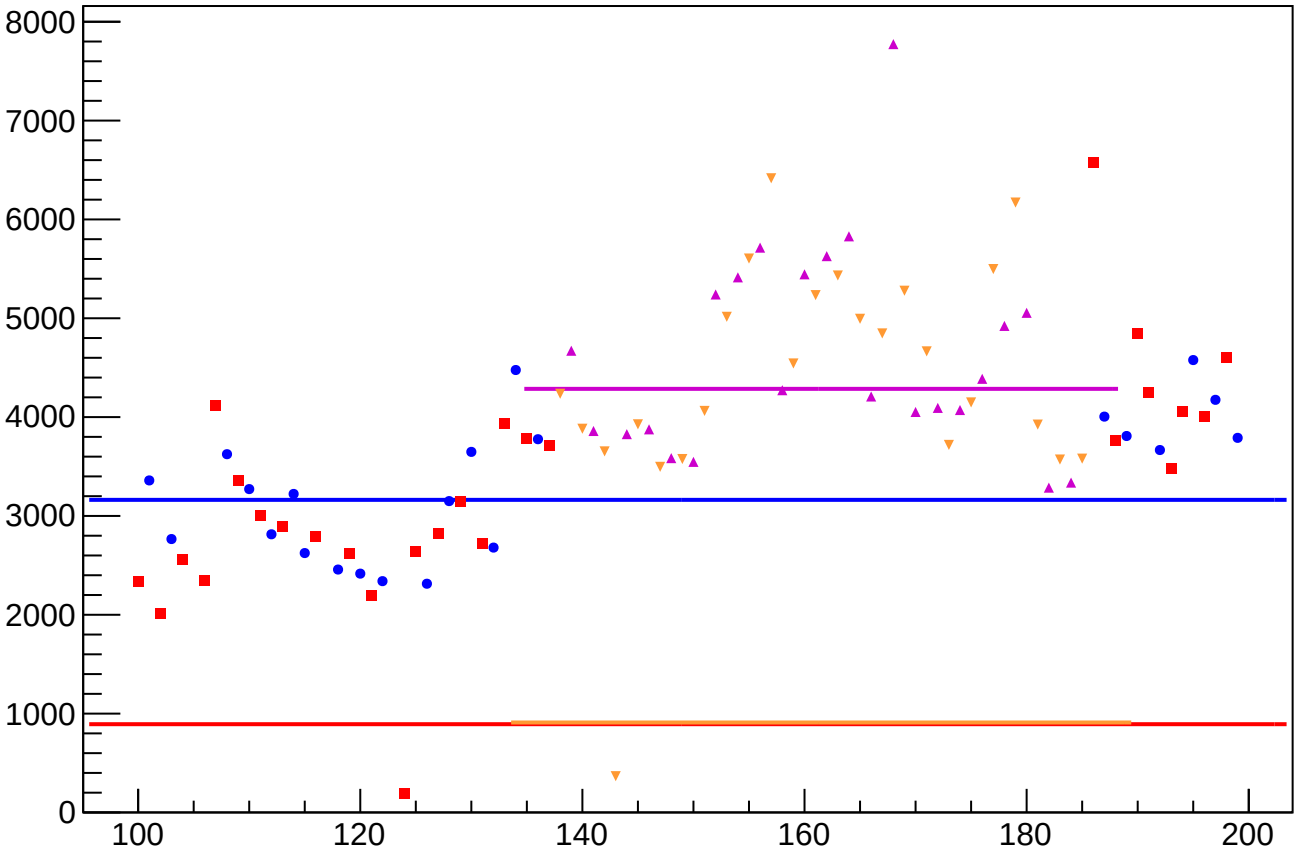
Left: 276.270+/-356.175 χ^2/NDF: 43.9/47

Right: 466.430+/-402.948 χ^2/NDF: 56.8/48

In: 14.324+/-697.887 χ^2/NDF:37.3/44

Out: 418.825+/-288.815 χ^2/NDF:63.4/51

All: 359.678+/-266.866 χ^2/NDF: 100.9/96



Right In: 3162.760+/-0.675 χ^2/NDF: 989726.4/21

Left Out: 910.253+/-0.269 χ^2/NDF:26772969.1/24

Right Out: 893.011+/-0.314 χ^2/NDF: 16973017.4/26

Left In: 4285.828+/-0.723 χ^2/NDF:1327963.4/22

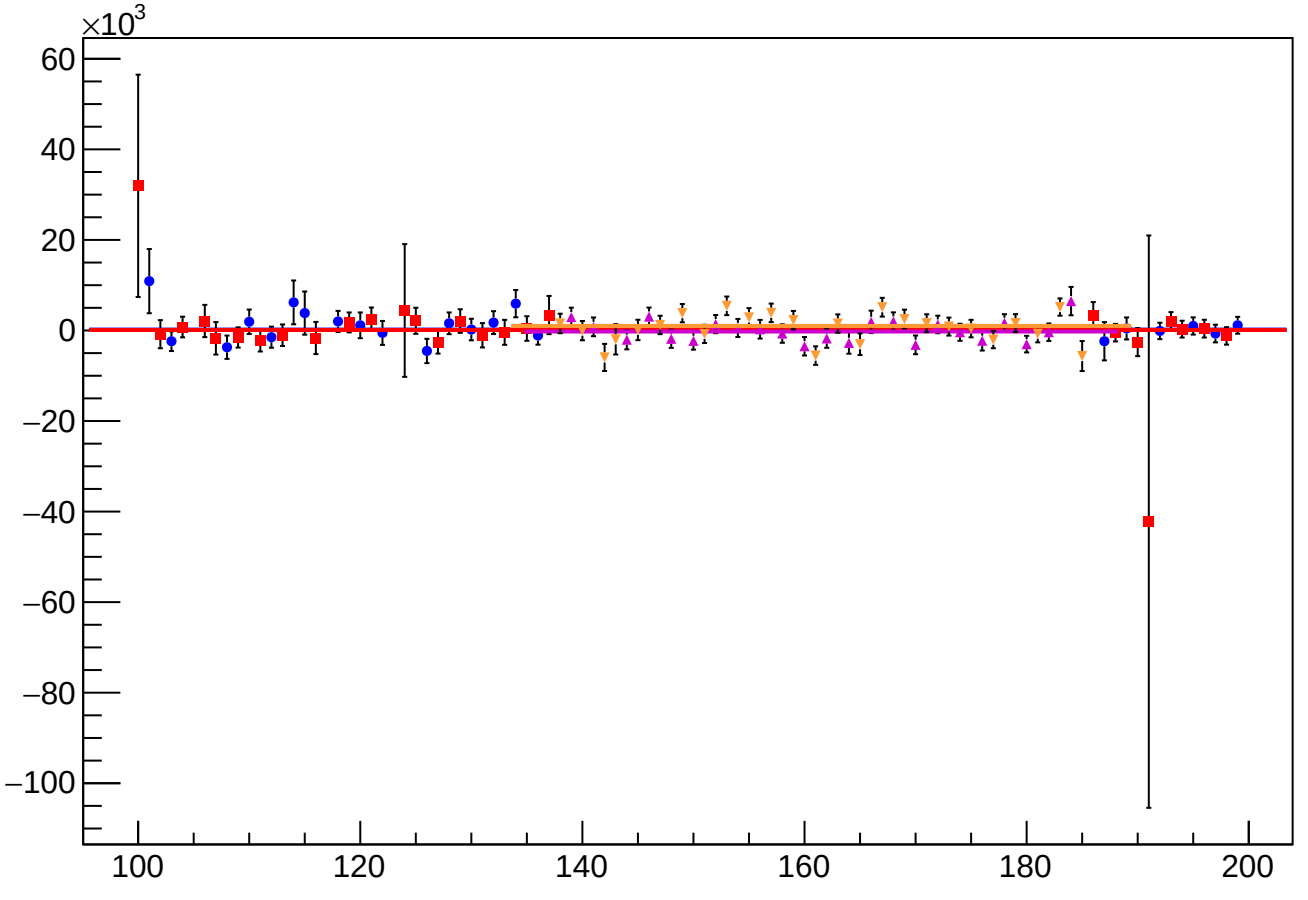
Left: 1319.491+/-0.252 χ^2/NDF: 47238971.3/47

Right: 1297.490+/-0.285 χ^2/NDF: 27256044.9/48

In: 3685.488+/-0.493 χ^2/NDF:3606331.2/44

Out: 902.974+/-0.204 χ^2/NDF:43747725.3/51

All: 1309.841+/-0.189 χ^2/NDF: 74498363.2/9



Right In: 187.828+/-526.811 χ^2/NDF: 18.7/21

Left Out: 1004.123+/-422.582 χ^2/NDF:47.4/24

Right Out: 112.035+/-508.167 χ^2/NDF: 12.7/26

Left In: -229.236+/-429.699 χ^2/NDF:26.4/22

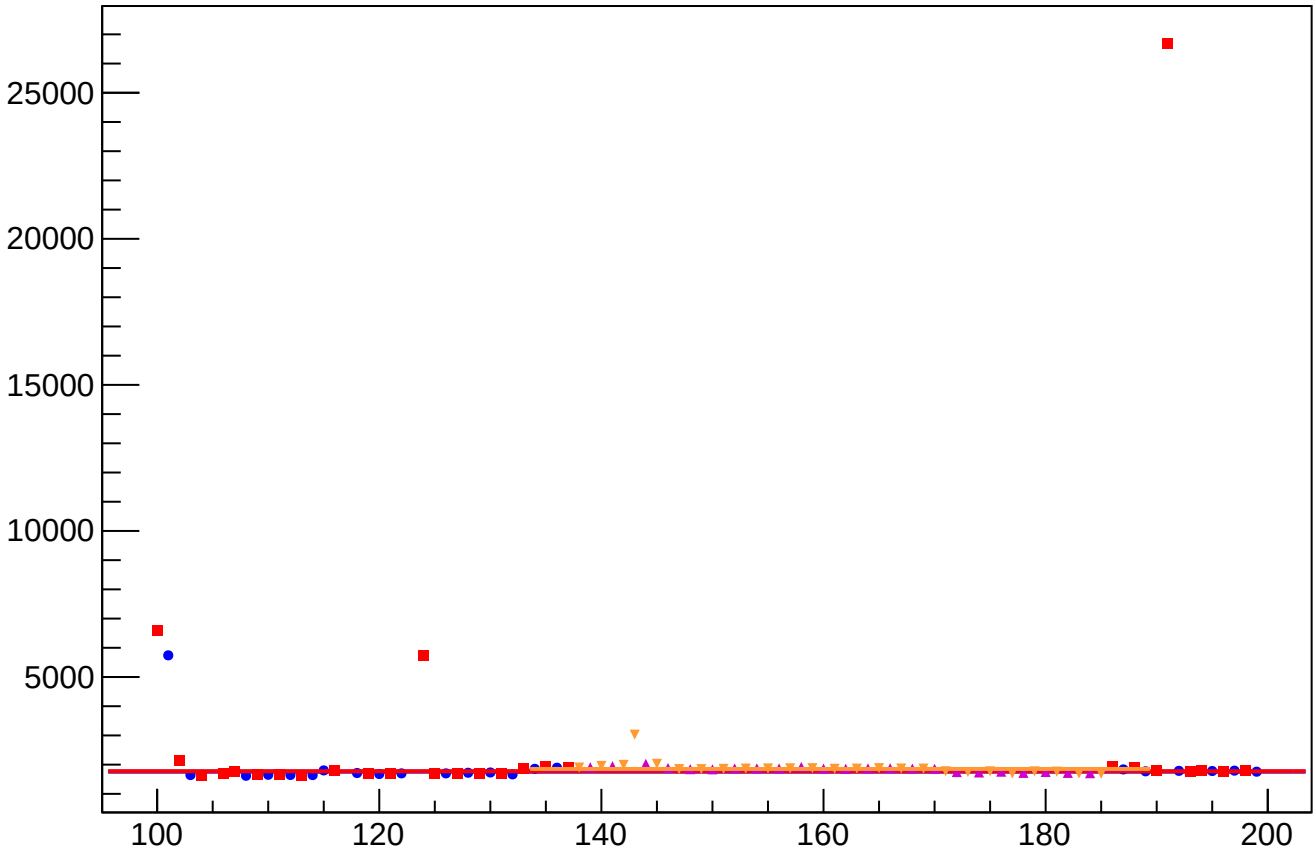
Left: 397.741+/-301.295 χ^2/NDF: 77.9/47

Right: 148.567+/-365.742 χ^2/NDF: 31.4/48

In: -62.616+/-332.980 χ^2/NDF:45.4/44

Out: 639.422+/-324.916 χ^2/NDF:61.9/51

All: 297.006+/-232.549 χ^2/NDF: 109.6/96



Right In: 1761.790+/-0.373 χ^2/NDF: 672058.6/21

Left Out: 1852.534+/-0.299 χ^2/NDF:321038.9/24

Right Out: 1773.131+/-0.359 χ^2/NDF: 629579.7/26

Left In: 1838.528+/-0.304 χ^2/NDF:68478.0/22

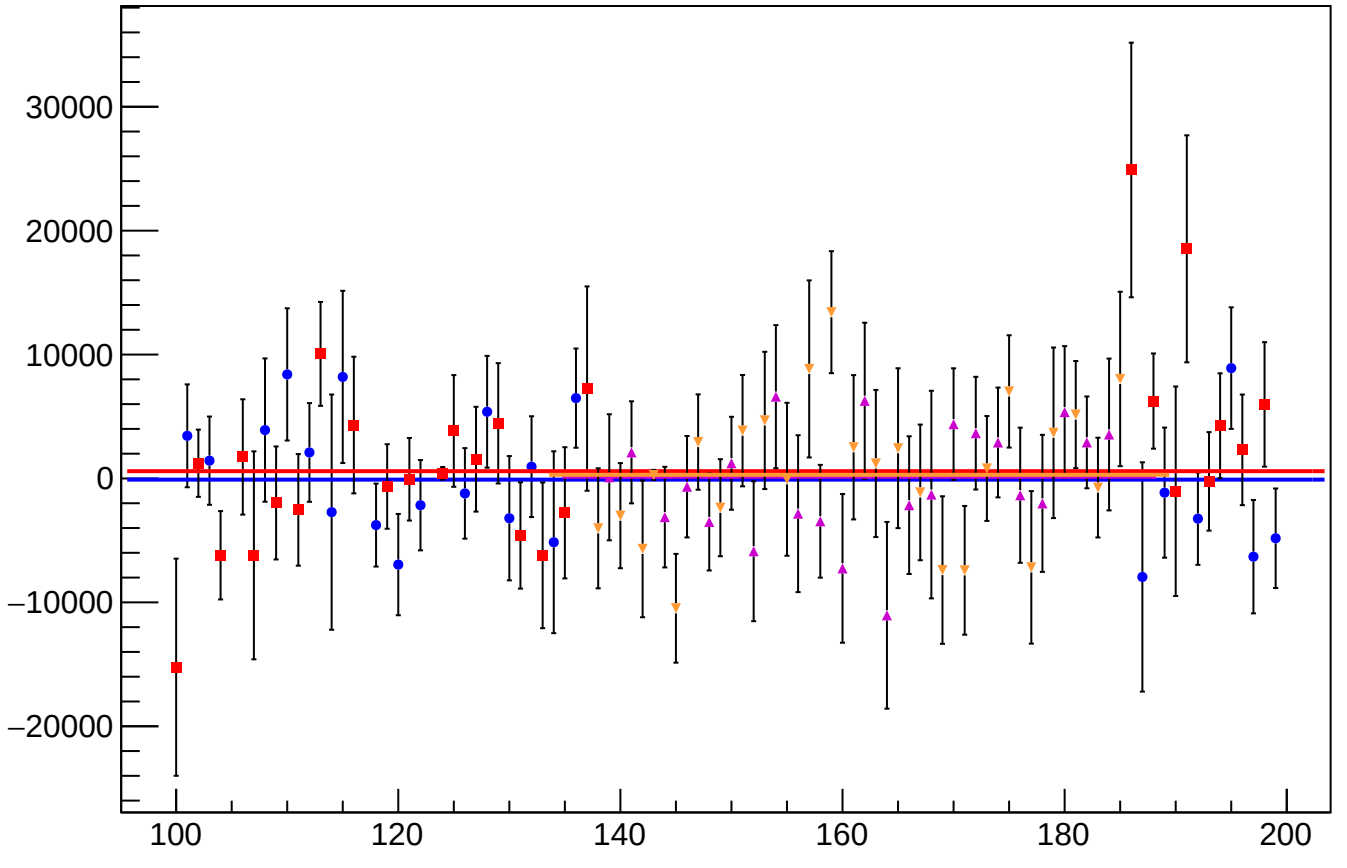
Left: 1845.648+/-0.213 χ^2/NDF: 390597.1/47

Right: 1767.677+/-0.258 χ^2/NDF: 1302119.5/48

In: 1807.871+/-0.235 χ^2/NDF:766019.6/44

Out: 1819.986+/-0.230 χ^2/NDF:979563.1/51

All: 1814.082+/-0.164 χ^2/NDF: 1746940.2/96



Right In: -93.600+/-954.530 χ^2/NDF: 23.3/21

Left Out: 295.308+/-379.951 χ^2/NDF:30.0/24

Right Out: 587.871+/-444.495 χ^2/NDF: 33.1/26

Left In: 138.272+/-1022.940 χ^2/NDF:13.9/22

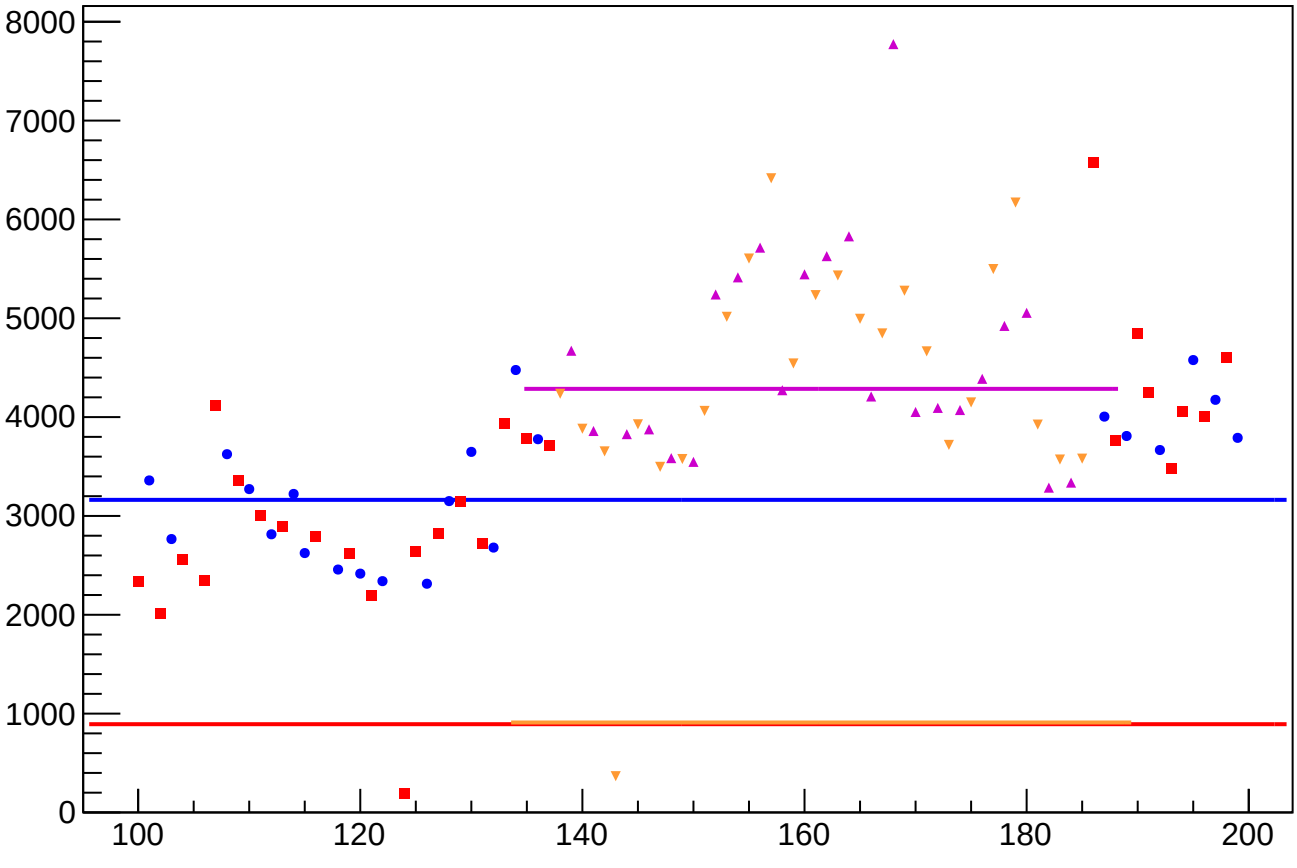
Left: 276.270+/-356.175 χ^2/NDF: 43.9/47

Right: 466.430+/-402.948 χ^2/NDF: 56.8/48

In: 14.324+/-697.887 χ^2/NDF:37.3/44

Out: 418.825+/-288.815 χ^2/NDF:63.4/51

All: 359.678+/-266.866 χ^2/NDF: 100.9/96



Right In: 3162.760+/-0.675 χ^2/NDF: 989726.4/21

Left Out: 910.253+/-0.269 χ^2/NDF:26772969.1/24

Right Out: 893.011+/-0.314 χ^2/NDF: 16973017.4/26

Left In: 4285.828+/-0.723 χ^2/NDF:1327963.4/22

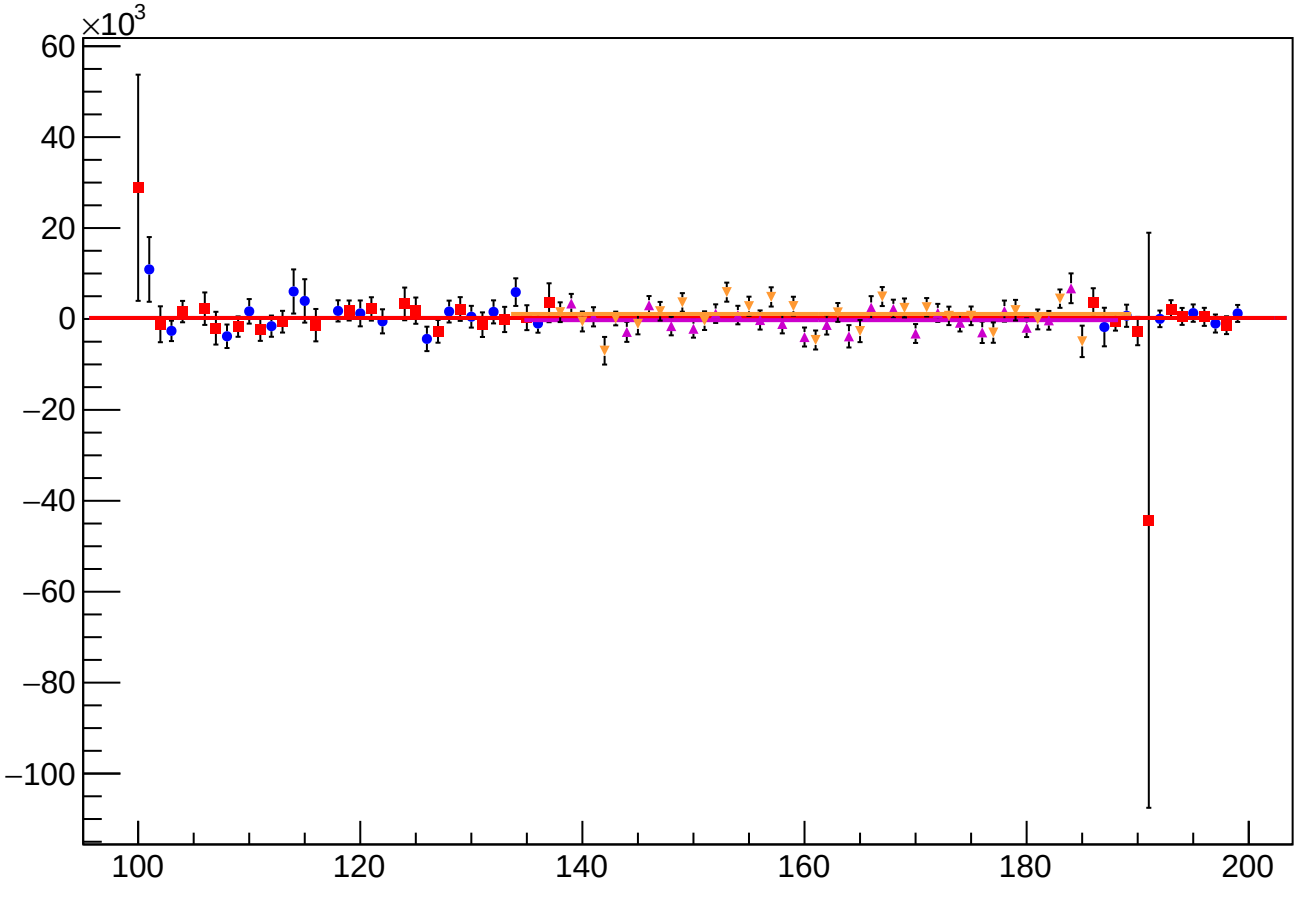
Left: 1319.491+/-0.252 χ^2/NDF: 47238971.3/47

Right: 1297.490+/-0.285 χ^2/NDF: 27256044.9/48

In: 3685.488+/-0.493 χ^2/NDF:3606331.2/44

Out: 902.974+/-0.204 χ^2/NDF:43747725.3/51

All: 1309.841+/-0.189 χ^2/NDF: 74498363.2/9



Right In: 216.408+/-530.418 χ^2/NDF: 18.5/21

Left Out: 1103.308+/-425.320 χ^2/NDF:44.8/24

Right Out: 224.400+/-509.101 χ^2/NDF: 14.2/26

Left In: -264.609+/-445.353 χ^2/NDF:27.7/22

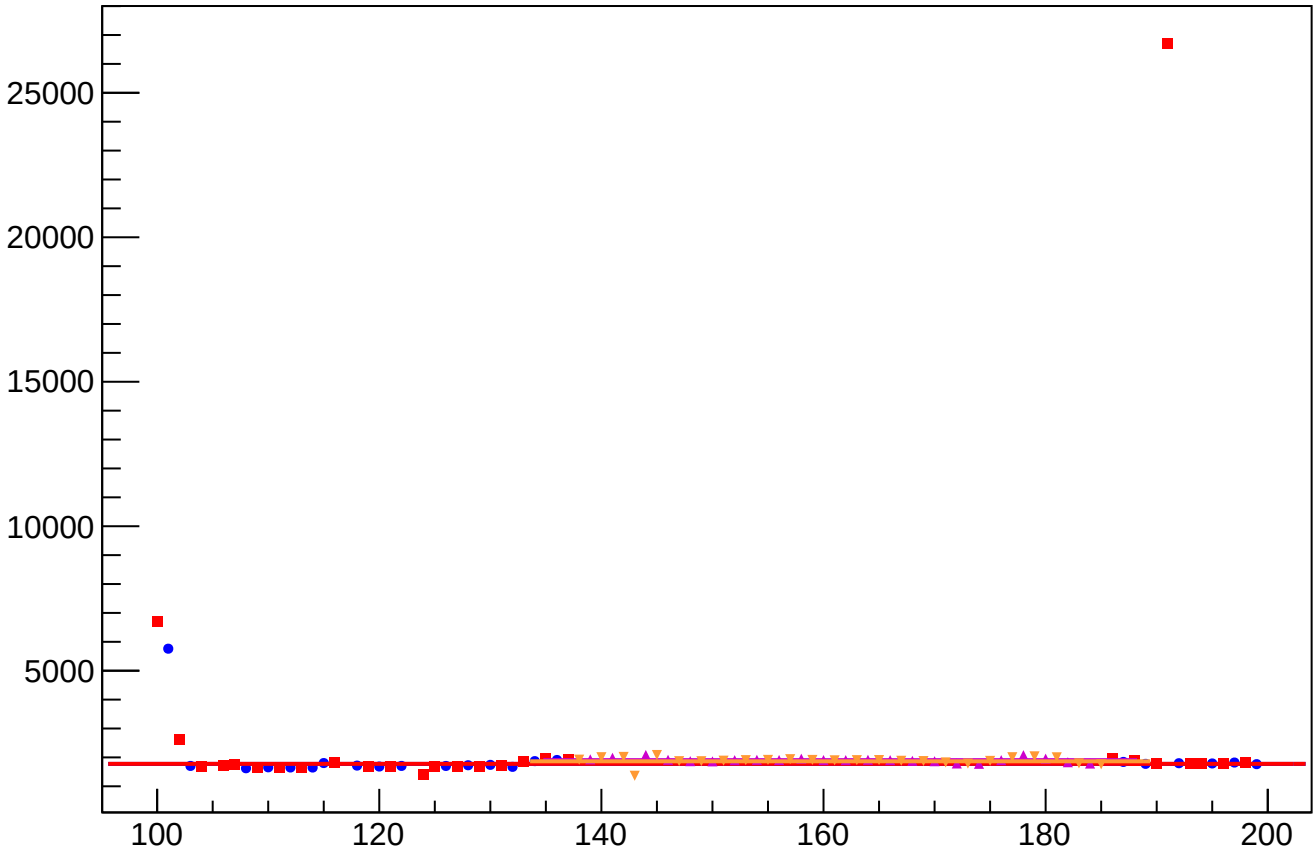
Left: 450.807+/-307.585 χ^2/NDF: 77.4/47

Right: 220.568+/-367.294 χ^2/NDF: 32.7/48

In: -65.718+/-341.072 χ^2/NDF:46.7/44

Out: 742.029+/-326.403 χ^2/NDF:60.7/51

All: 355.899+/-235.817 χ^2/NDF: 110.3/96



Right In: 1773.879+/-0.375 χ^2/NDF: 670584.0/21

Left Out: 1864.841+/-0.301 χ^2/NDF:294712.1/24

Right Out: 1776.730+/-0.359 χ^2/NDF: 561605.1/26

Left In: 1905.628+/-0.315 χ^2/NDF:52781.7/22

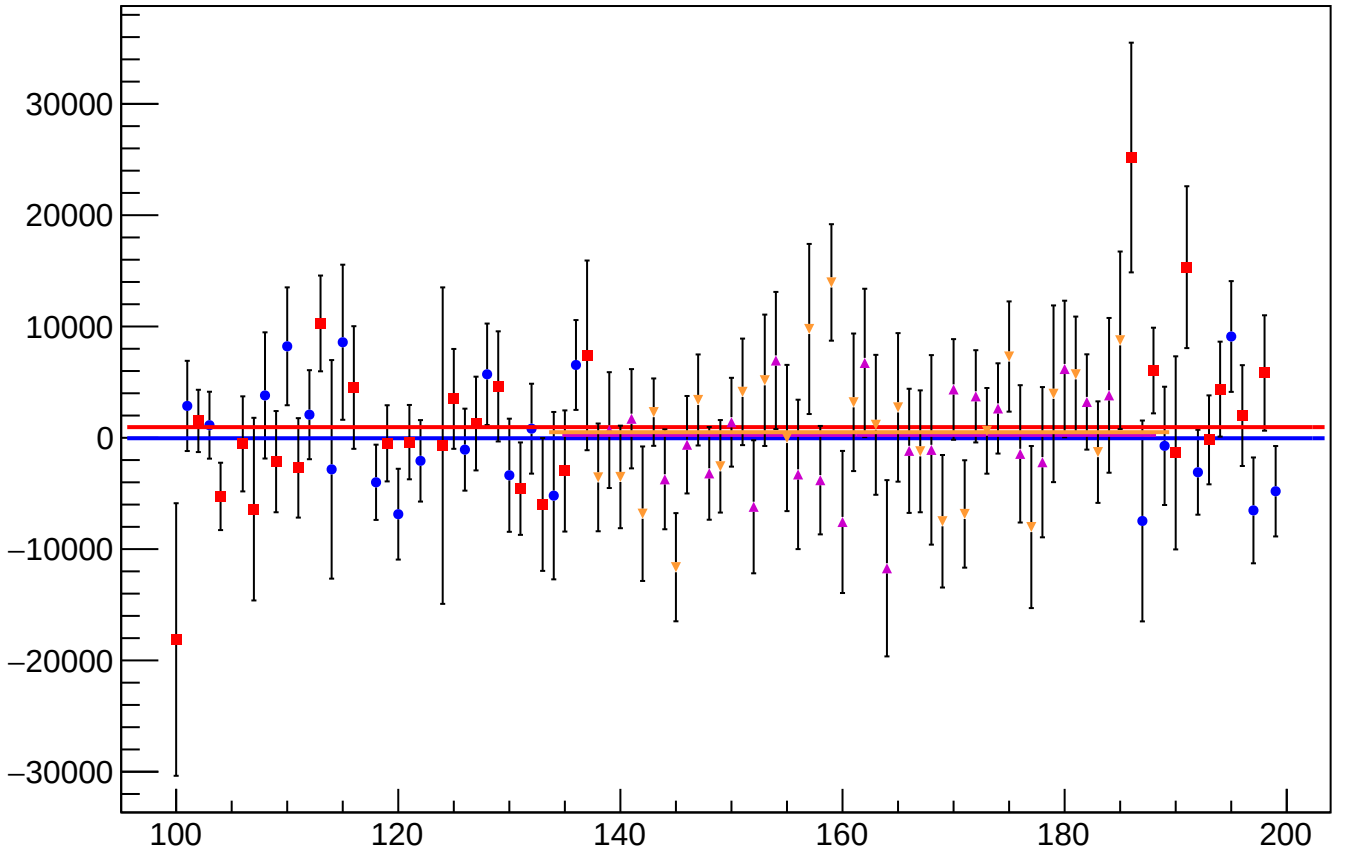
Left: 1884.296+/-0.217 χ^2/NDF: 356267.0/47

Right: 1775.366+/-0.259 χ^2/NDF: 1232219.2/48

In: 1851.152+/-0.241 χ^2/NDF:795737.2/44

Out: 1828.548+/-0.231 χ^2/NDF:891671.8/51

All: 1839.345+/-0.167 χ^2/NDF: 1691997.3/96



Right In: -39.485+/-946.314 χ^2/NDF: 23.1/21

Left Out: 504.261+/-1021.684 χ^2/NDF:30.1/24

Right Out: 958.726+/-886.680 χ^2/NDF: 32.2/26

Left In: 261.050+/-1081.402 χ^2/NDF:13.6/22

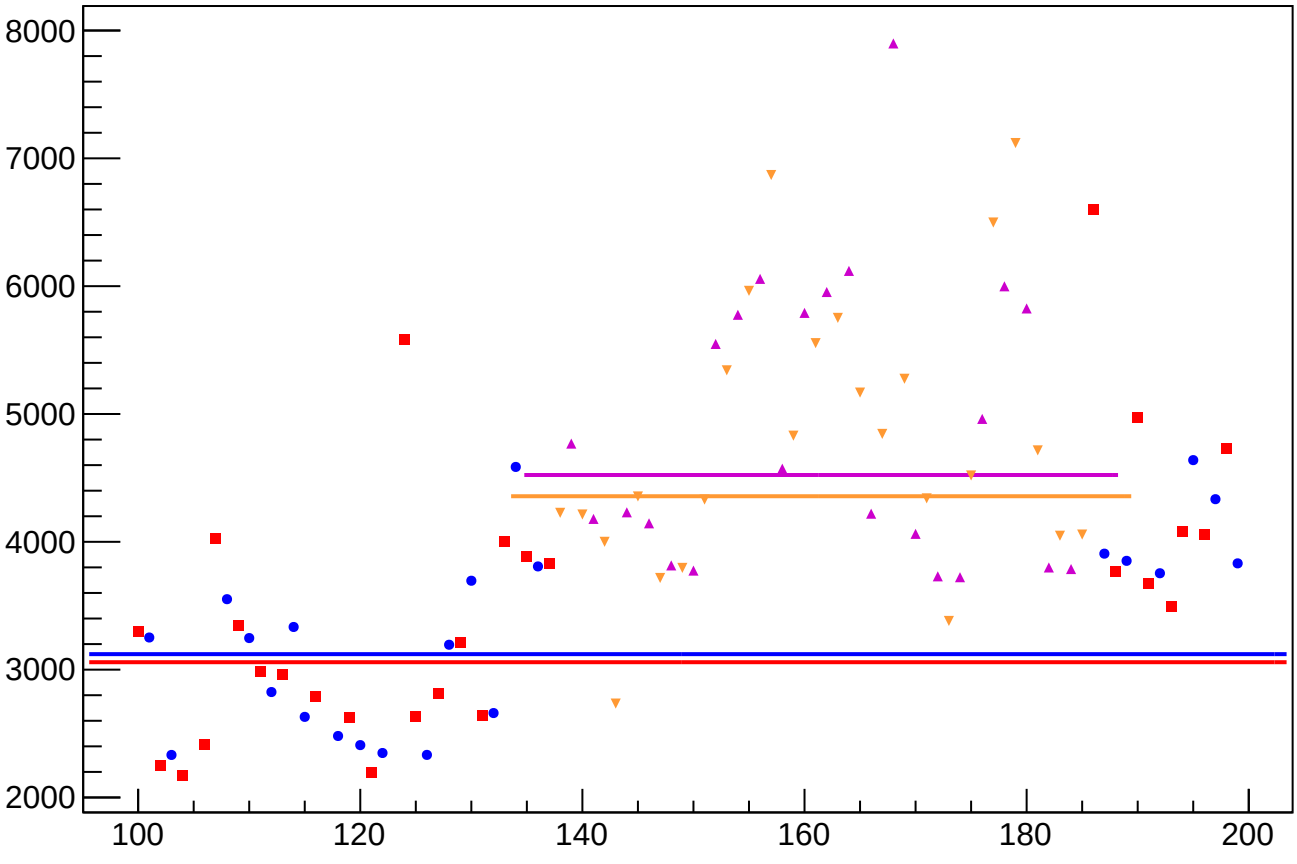
Left: 389.556+/-742.654 χ^2/NDF: 43.7/47

Right: 492.061+/-647.033 χ^2/NDF: 55.9/48

In: 90.849+/-712.145 χ^2/NDF:36.8/44

Out: 763.484+/-669.658 χ^2/NDF:62.4/51

All: 447.829+/-487.849 χ^2/NDF: 99.6/96



Right In: 3121.346+/-0.669 χ^2/NDF: 1158688.3/21

Left Out: 4356.643+/-0.722 χ^2/NDF:1912322.9/24

Right Out: 3058.254+/-0.627 χ^2/NDF: 1675763.4/26

Left In: 4522.787+/-0.765 χ^2/NDF:1434008.9/22

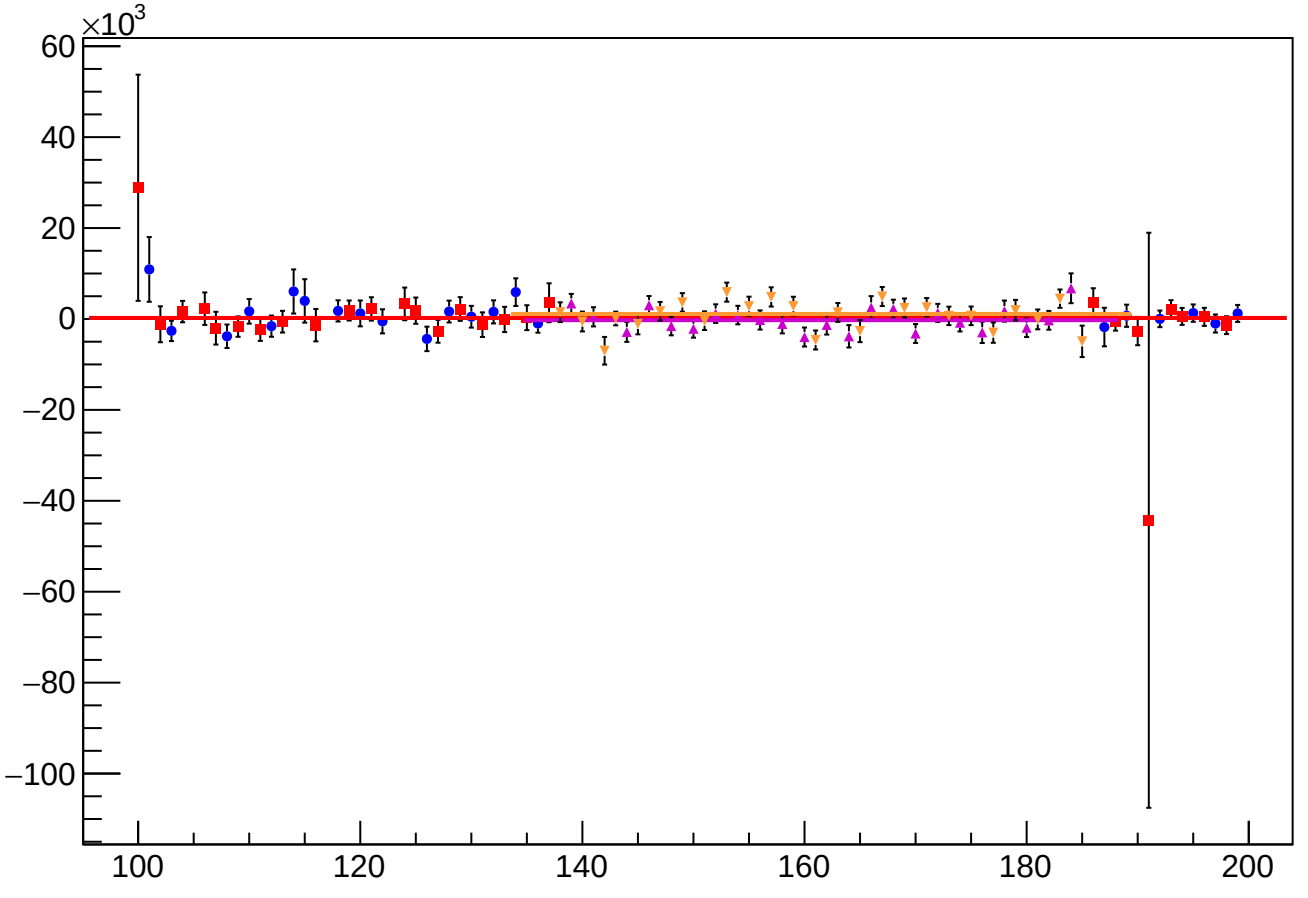
Left: 4435.001+/-0.525 χ^2/NDF: 3371275.6/47

Right: 3087.750+/-0.458 χ^2/NDF: 2839185.6/48

In: 3729.114+/-0.504 χ^2/NDF:4494967.9/44

Out: 3616.054+/-0.474 χ^2/NDF:5430465.4/51

All: 3669.111+/-0.345 χ^2/NDF: 9952186.3/96



Right In: 216.409+/-530.418 χ^2/NDF: 18.5/21

Left Out: 1103.310+/-425.321 χ^2/NDF:44.8/24

Right Out: 224.397+/-509.101 χ^2/NDF: 14.2/26

Left In: -264.609+/-445.354 χ^2/NDF:27.7/22

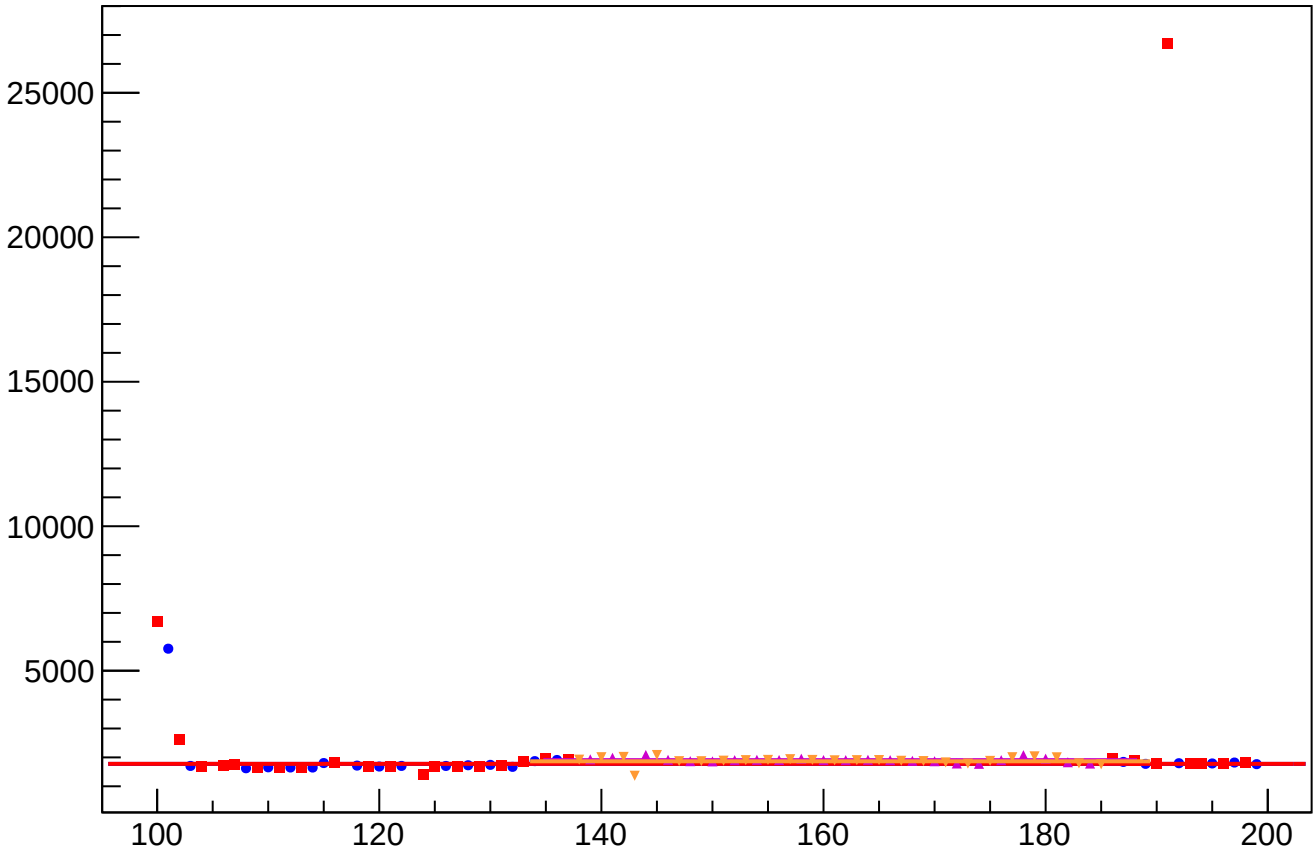
Left: 450.808+/-307.585 χ^2/NDF: 77.4/47

Right: 220.567+/-367.294 χ^2/NDF: 32.7/48

In: -65.717+/-341.072 χ^2/NDF:46.7/44

Out: 742.029+/-326.403 χ^2/NDF:60.7/51

All: 355.899+/-235.817 χ^2/NDF: 110.3/96



Right In: 1773.879+/-0.375 χ^2/NDF: 670584.0/21

Left Out: 1864.842+/-0.301 χ^2/NDF:294715.4/24

Right Out: 1776.730+/-0.359 χ^2/NDF: 561605.1/26

Left In: 1905.629+/-0.315 χ^2/NDF:52783.9/22

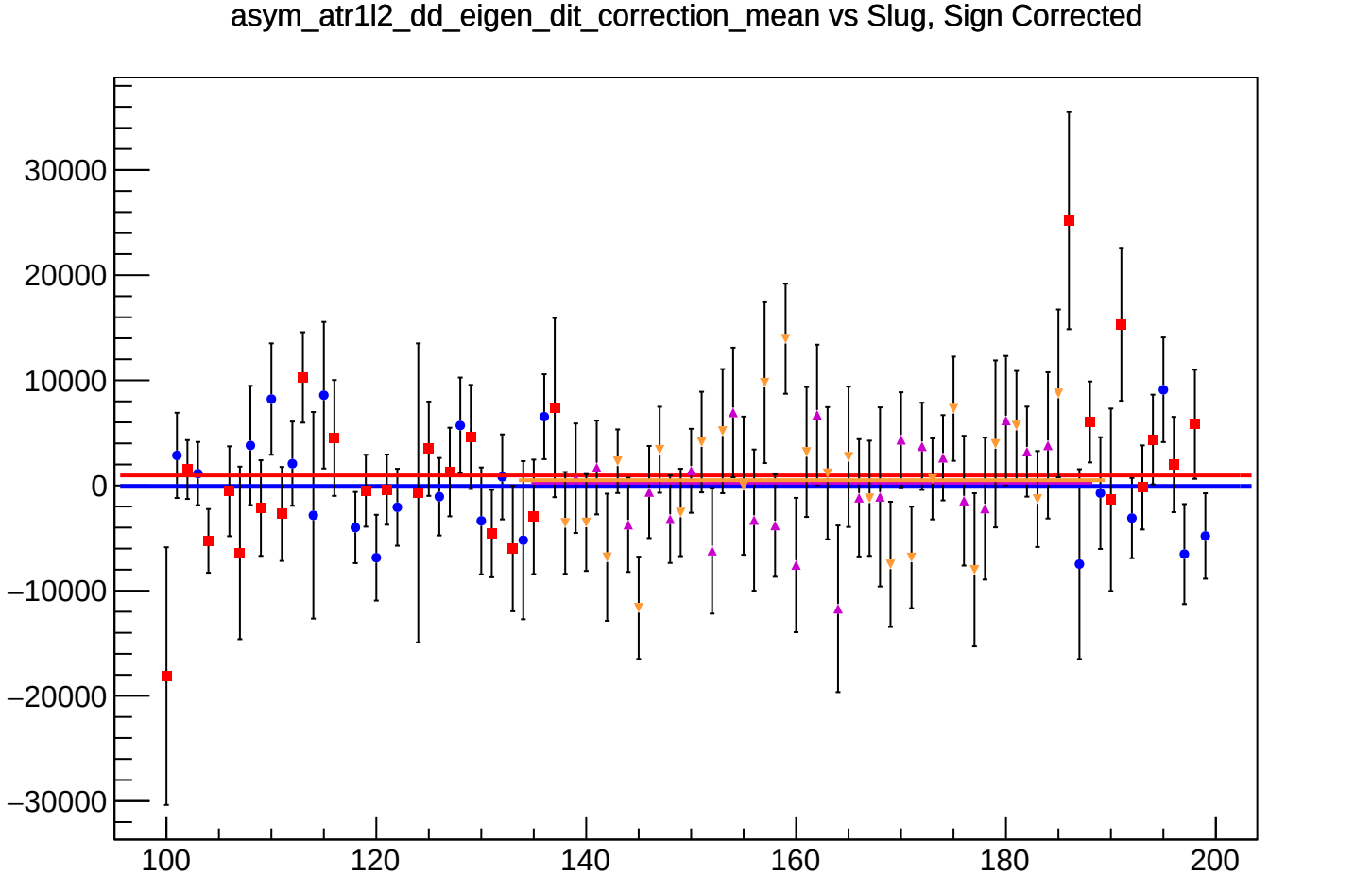
Left: 1884.297+/-0.217 χ^2/NDF: 356272.6/47

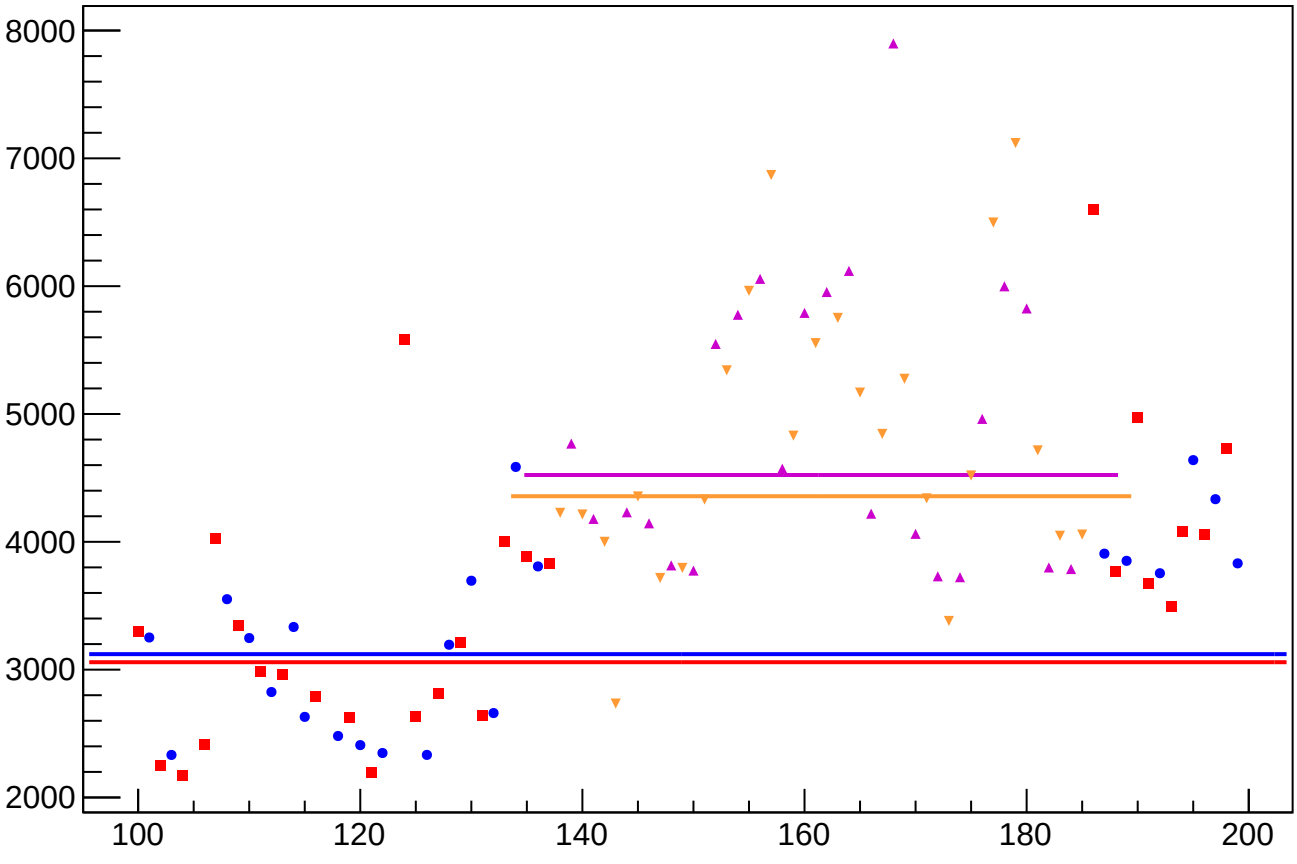
Right: 1775.366+/-0.259 χ^2/NDF: 1232219.3/48

In: 1851.153+/-0.241 χ^2/NDF:795740.5/44

Out: 1828.549+/-0.231 χ^2/NDF:891675.9/51

All: 1839.346+/-0.167 χ^2/NDF: 1692004.8/96


asym_atr1l2_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
100
120
140
160
180
200
Right In: -39.488+/-946.313 χ²/NDF: 23.1/21
Left Out: 504.265+/-1021.686 χ²/NDF:30.1/24
Right Out: 958.722+/-886.679 χ²/NDF: 32.2/26
Left In: 261.051+/-1081.404 χ²/NDF:13.6/22
Left: 389.559+/-742.655 χ²/NDF: 43.7/47
Right: 492.058+/-647.032 χ²/NDF: 55.9/48
In: 90.847+/-712.145 χ²/NDF:36.8/44
Out: 763.484+/-669.658 χ²/NDF:62.4/51
All: 447.828+/-487.849 χ²/NDF: 99.6/96



Right In: 3121.339+/-0.669 χ^2/NDF: 1158704.9/21

Left Out: 4356.650+/-0.722 χ^2/NDF:1912327.4/24

Right Out: 3058.250+/-0.627 χ^2/NDF: 1675771.8/26

Left In: 4522.795+/-0.765 χ^2/NDF:1434009.9/22

Left: 4435.009+/-0.525 χ^2/NDF: 3371281.4/47

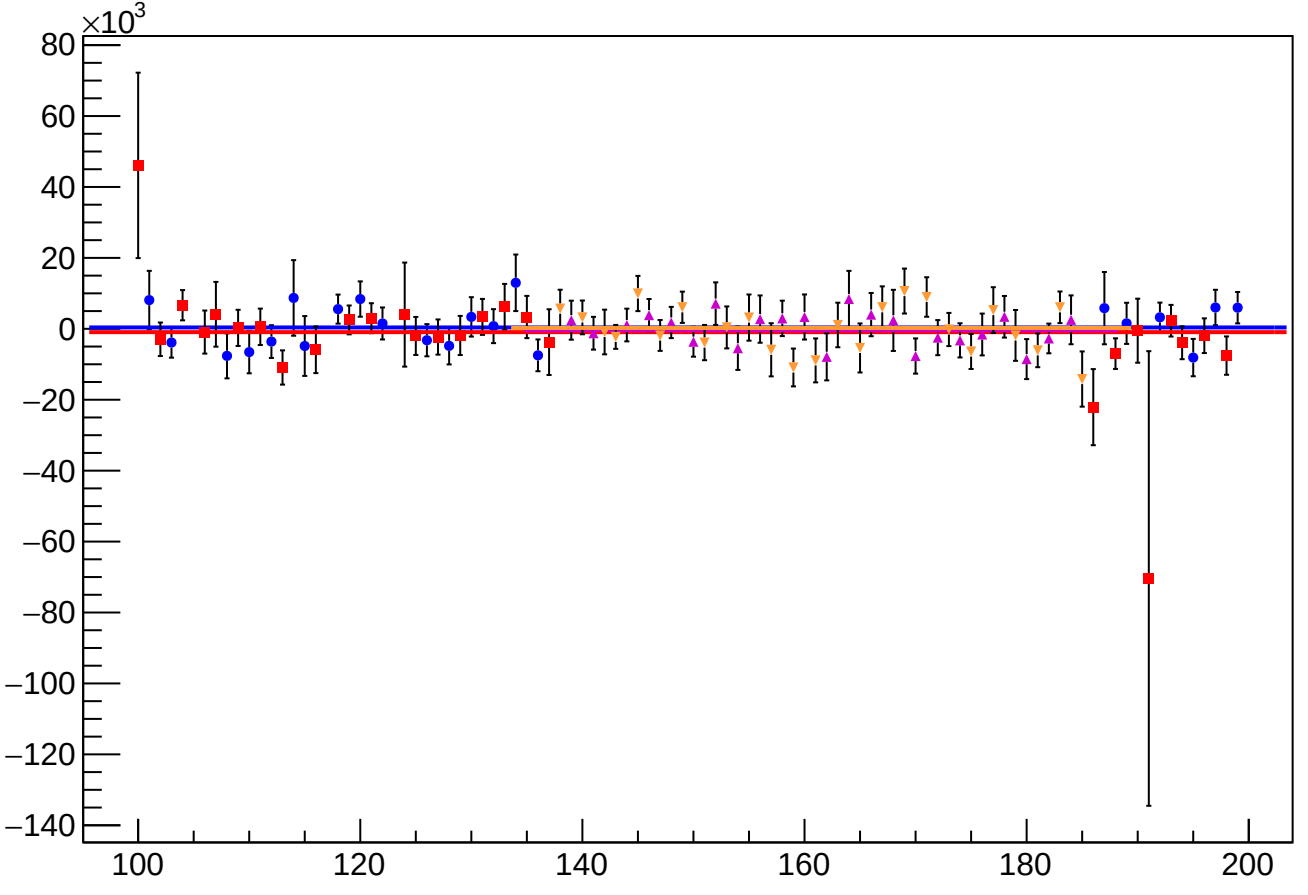
Right: 3087.744+/-0.458 χ^2/NDF: 2839210.3/48

In: 3729.111+/-0.504 χ^2/NDF:4495022.8/44

Out: 3616.053+/-0.474 χ^2/NDF:5430508.4/51

All: 3669.109+/-0.345 χ^2/NDF: 9952283.6/96

asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: 382.728+/-1123.533 χ^2/NDF: 24.5/21

Left Out: 239.929+/-1064.647 χ^2/NDF:32.2/24

Right Out: -939.785+/-1077.003 χ^2/NDF: 25.7/26

Left In: -397.881+/-1121.323 χ^2/NDF:14.2/22

Left: -62.451+/-772.078 χ^2/NDF: 46.6/47

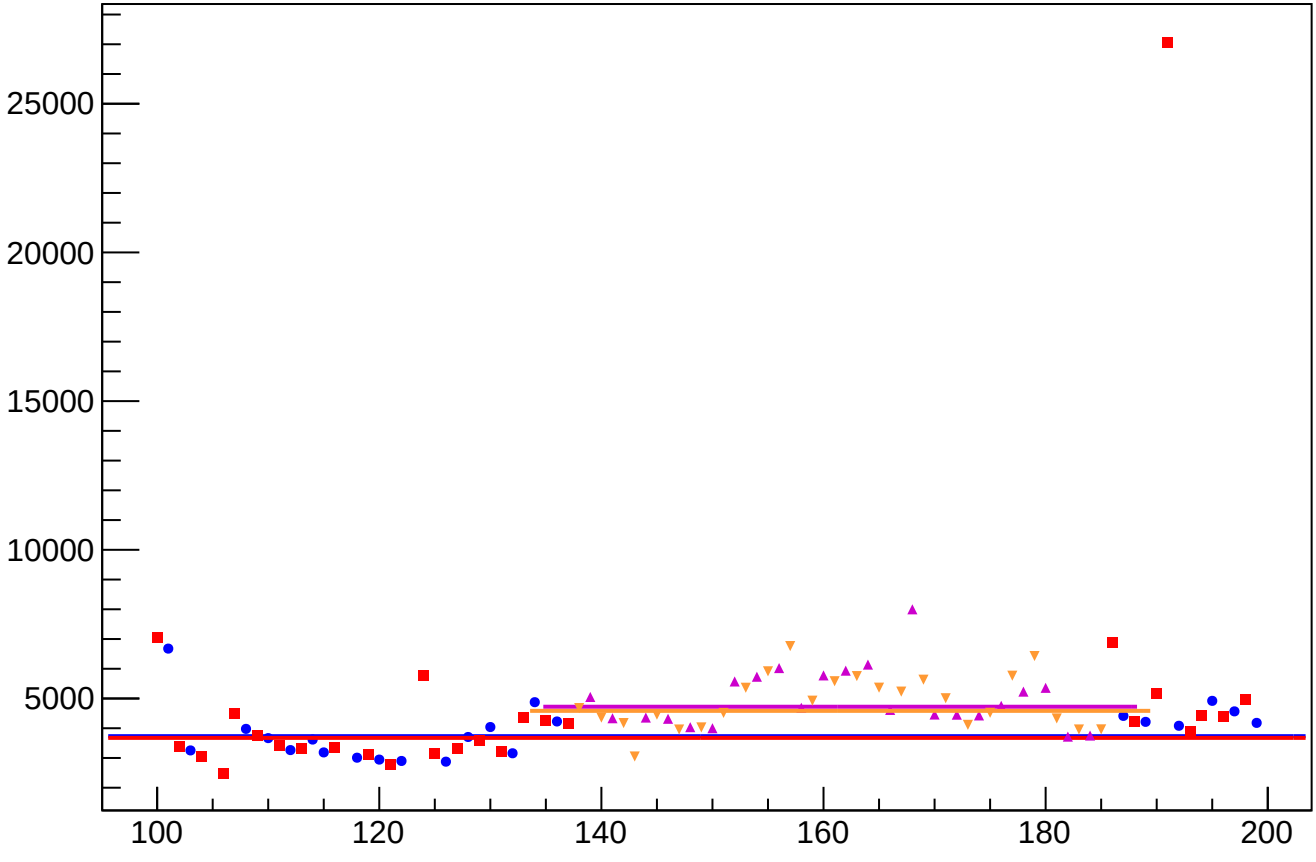
Right: -306.480+/-777.485 χ^2/NDF: 51.0/48

In: -8.345+/-793.675 χ^2/NDF:39.0/44

Out: -343.122+/-757.150 χ^2/NDF:58.5/51

All: -183.614+/-547.843 χ^2/NDF: 97.6/96

asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 3733.119+/-0.794 χ^2/NDF: 879724.6/21

Left Out: 4584.664+/-0.753 χ^2/NDF:1311720.7/24

Right Out: 3676.013+/-0.754 χ^2/NDF: 1259681.9/26

Left In: 4723.014+/-0.793 χ^2/NDF:1016613.0/22

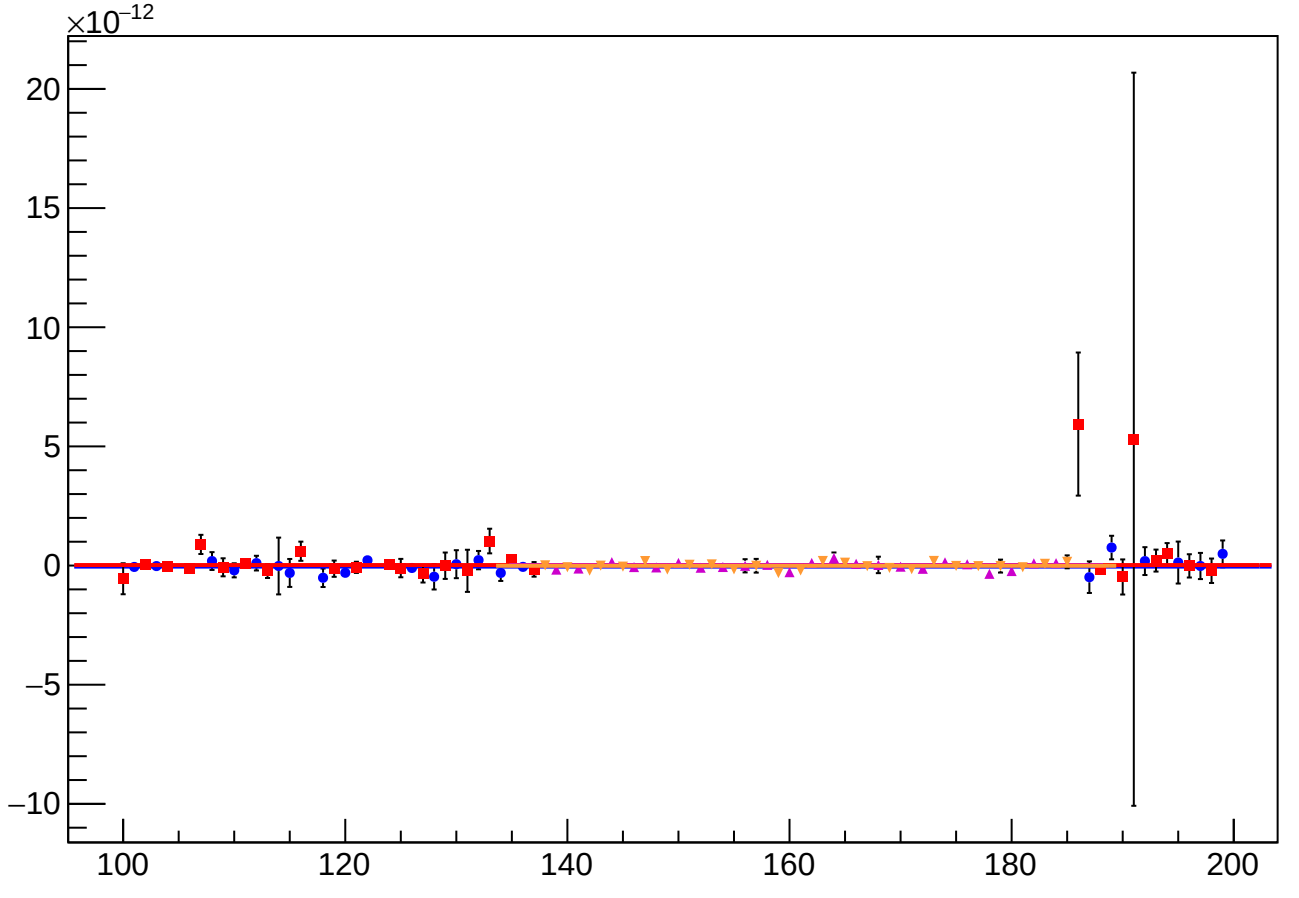
Left: 4650.254+/-0.546 χ^2/NDF: 2344345.5/47

Right: 3703.073+/-0.547 χ^2/NDF: 2142125.0/48

In: 4229.041+/-0.561 χ^2/NDF:2674125.9/44

Out: 4131.016+/-0.533 χ^2/NDF:3298737.6/51

All: 4177.477+/-0.386 χ^2/NDF: 5988911.6/96



Right In: -0.000+/-0.000 χ^2/NDF: 12.8/21

Left Out: -0.000+/-0.000 χ^2/NDF:22.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 25.1/26

Left In: 0.000+/-0.000 χ^2/NDF:26.0/22

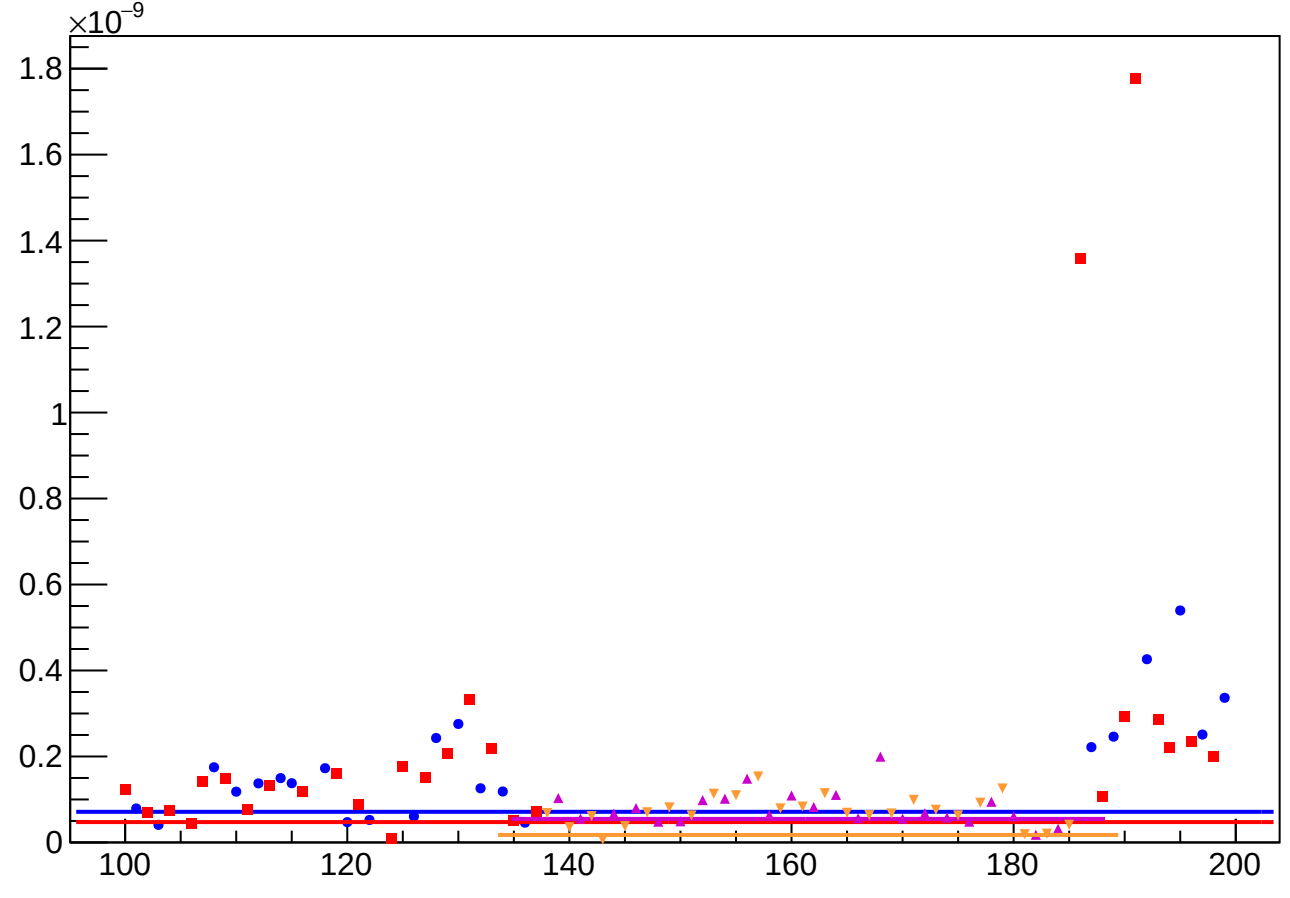
Left: -0.000+/-0.000 χ^2/NDF: 49.7/47

Right: -0.000+/-0.000 χ^2/NDF: 39.2/48

In: 0.000+/-0.000 χ^2/NDF:40.3/44

Out: -0.000+/-0.000 χ^2/NDF:48.5/51

All: -0.000+/-0.000 χ^2/NDF: 88.9/96



Right In: 0.000+/-0.000 χ^2/NDF: 3815441.8/21

Left Out: 0.000+/-0.000 χ^2/NDF:8870606.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5336616.4/26

Left In: 0.000+/-0.000 χ^2/NDF:2798764.9/22

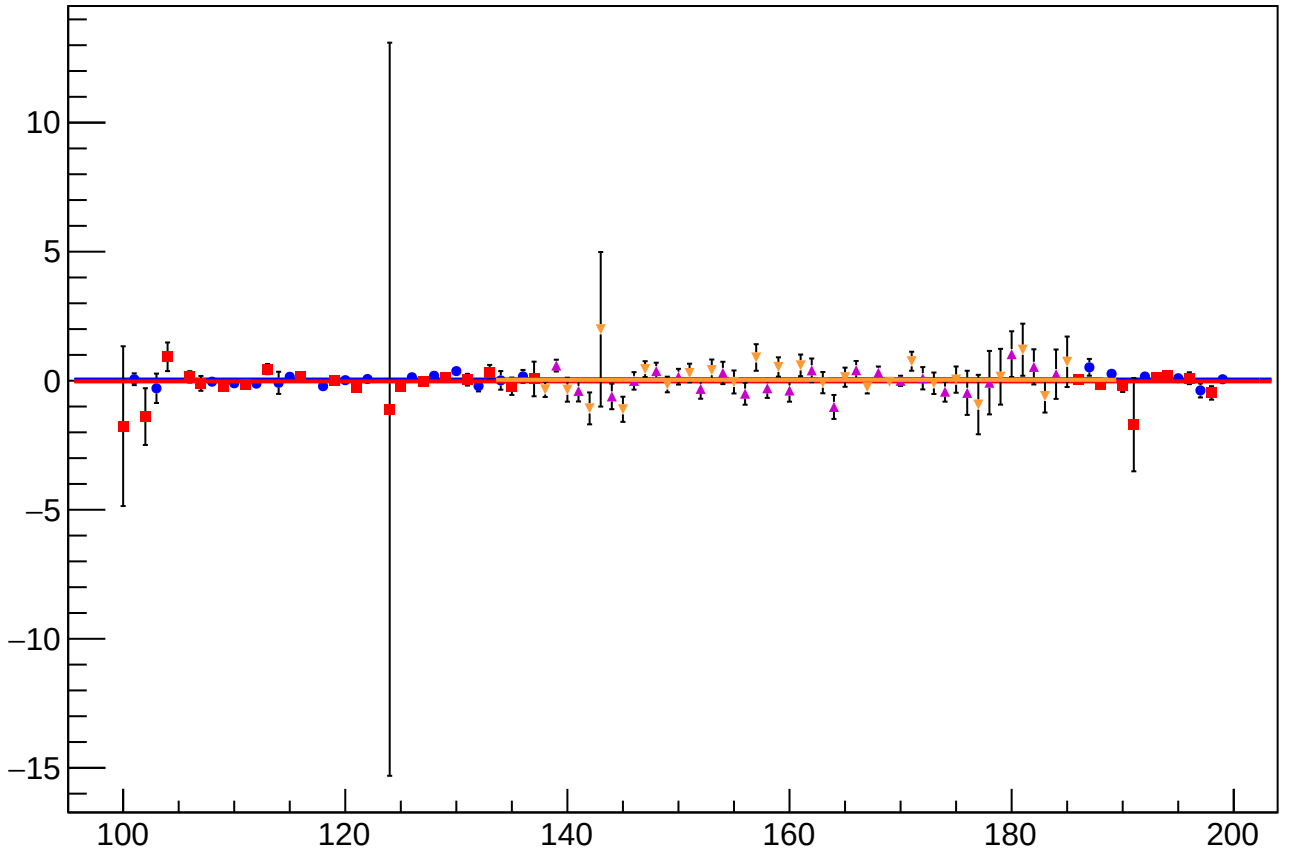
Left: 0.000+/-0.000 χ^2/NDF: 15661479.1/47

Right: 0.000+/-0.000 χ^2/NDF: 9517259.2/48

In: 0.000+/-0.000 χ^2/NDF:6833336.8/44

Out: 0.000+/-0.000 χ^2/NDF:15545367.5/51

All: 0.000+/-0.000 χ^2/NDF: 27644758.9/96



Right In: 0.046+/-0.041 χ^2/NDF: 19.1/21

Left Out: 0.034+/-0.078 χ^2/NDF:30.5/24

Right Out: -0.028+/-0.036 χ^2/NDF: 31.3/26

Left In: 0.056+/-0.077 χ^2/NDF:26.1/22

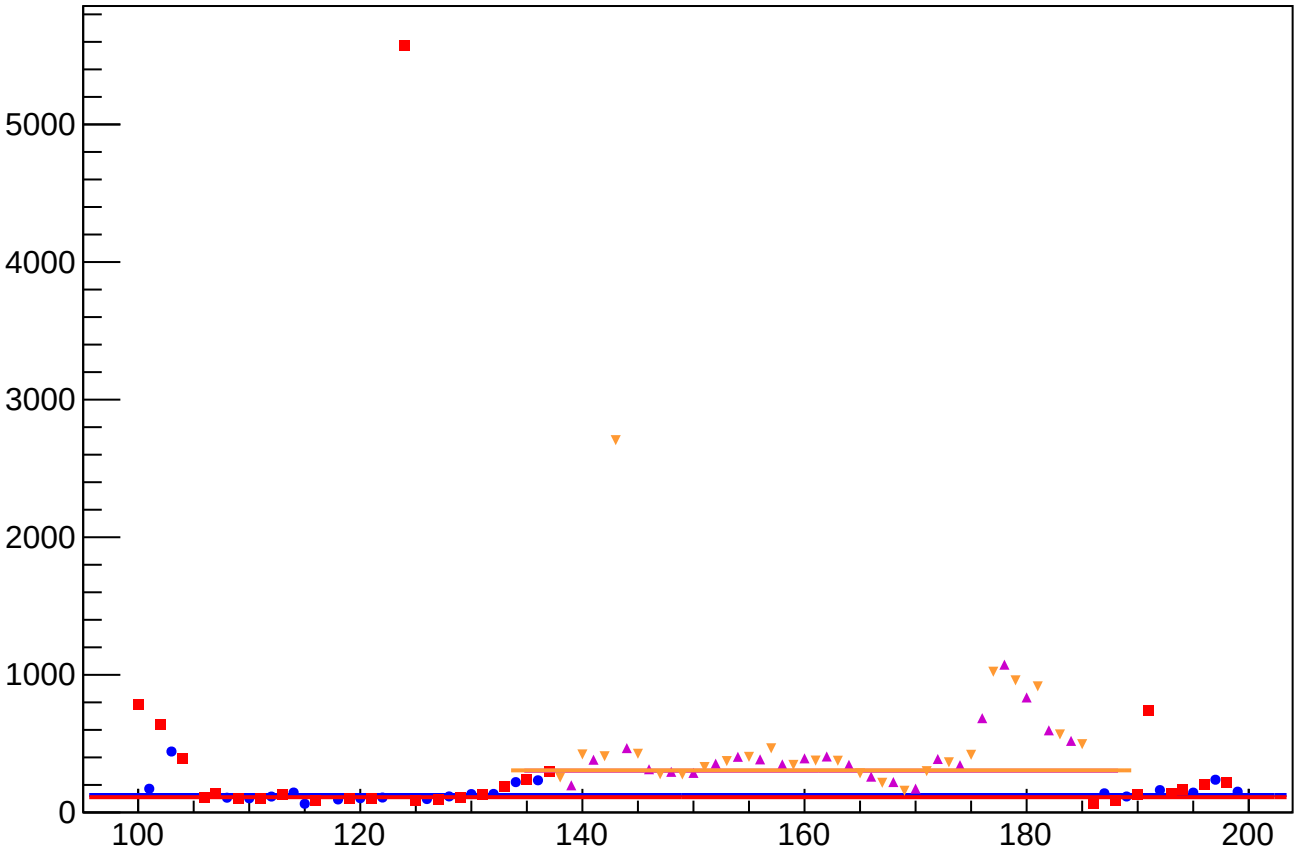
Left: 0.045+/-0.055 χ^2/NDF: 56.5/47

Right: 0.005+/-0.027 χ^2/NDF: 52.3/48

In: 0.048+/-0.036 χ^2/NDF:45.2/44

Out: -0.017+/-0.032 χ^2/NDF:62.3/51

All: 0.012+/-0.024 χ^2/NDF: 109.3/96



Right In: 126.869+/-0.029 χ^2/NDF: 2293390.3/21

Left Out: 305.950+/-0.055 χ^2/NDF:6634928.0/24

Right Out: 110.890+/-0.025 χ^2/NDF: 3911732.1/26

Left In: 303.278+/-0.055 χ^2/NDF:4813442.3/22

Left: 304.603+/-0.039 χ^2/NDF: 11449555.3/47

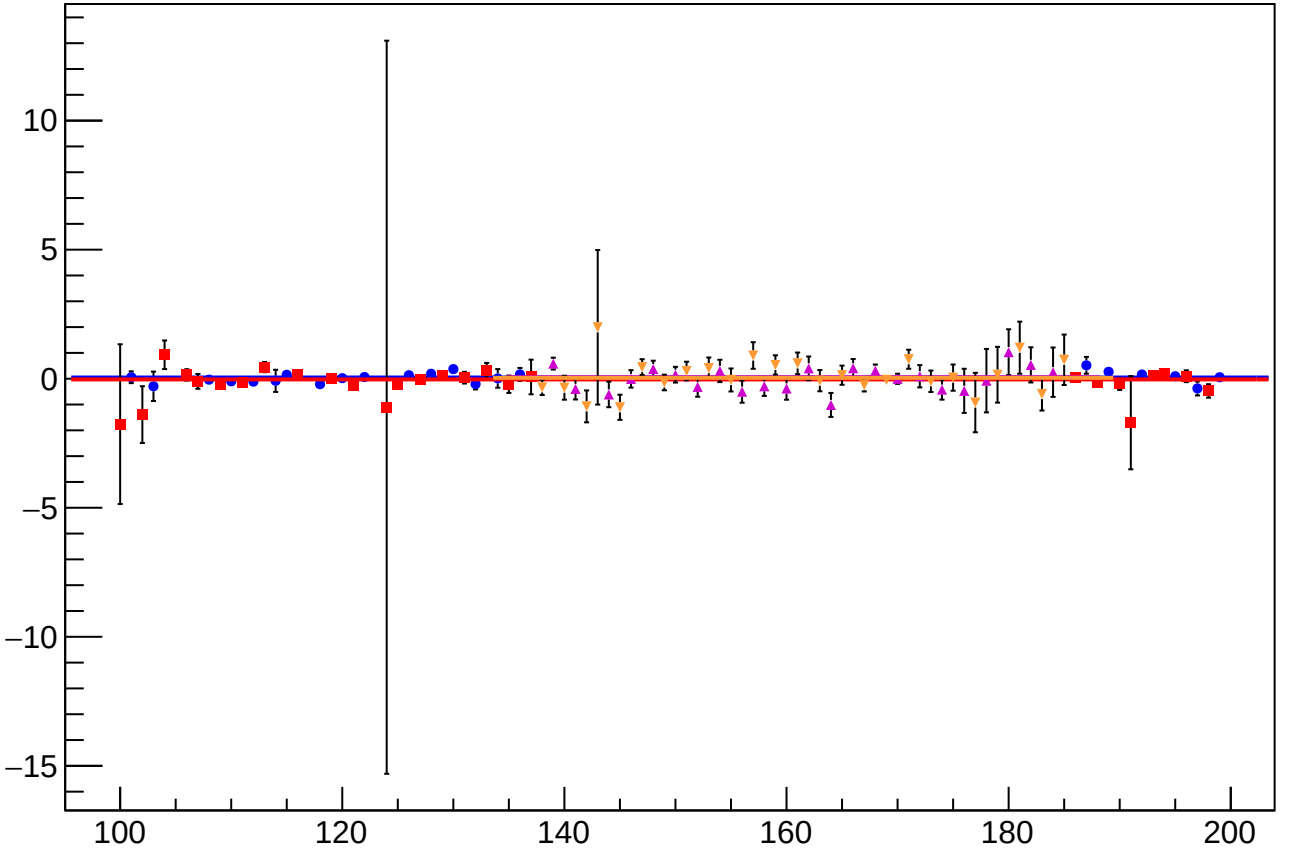
Right: 117.874+/-0.019 χ^2/NDF: 6379734.3/48

In: 164.967+/-0.025 χ^2/NDF:15272308.1/44

Out: 144.799+/-0.023 χ^2/NDF:20896770.8/51

All: 153.874+/-0.017 χ^2/NDF: 36515780.8/96

asym_atr1l2_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.046+/-0.041 χ^2/NDF: 19.1/21

Left Out: 0.034+/-0.078 χ^2/NDF:30.5/24

Right Out: -0.028+/-0.036 χ^2/NDF: 31.3/26

Left In: 0.056+/-0.077 χ^2/NDF:26.1/22

Left: 0.045+/-0.055 χ^2/NDF: 56.5/47

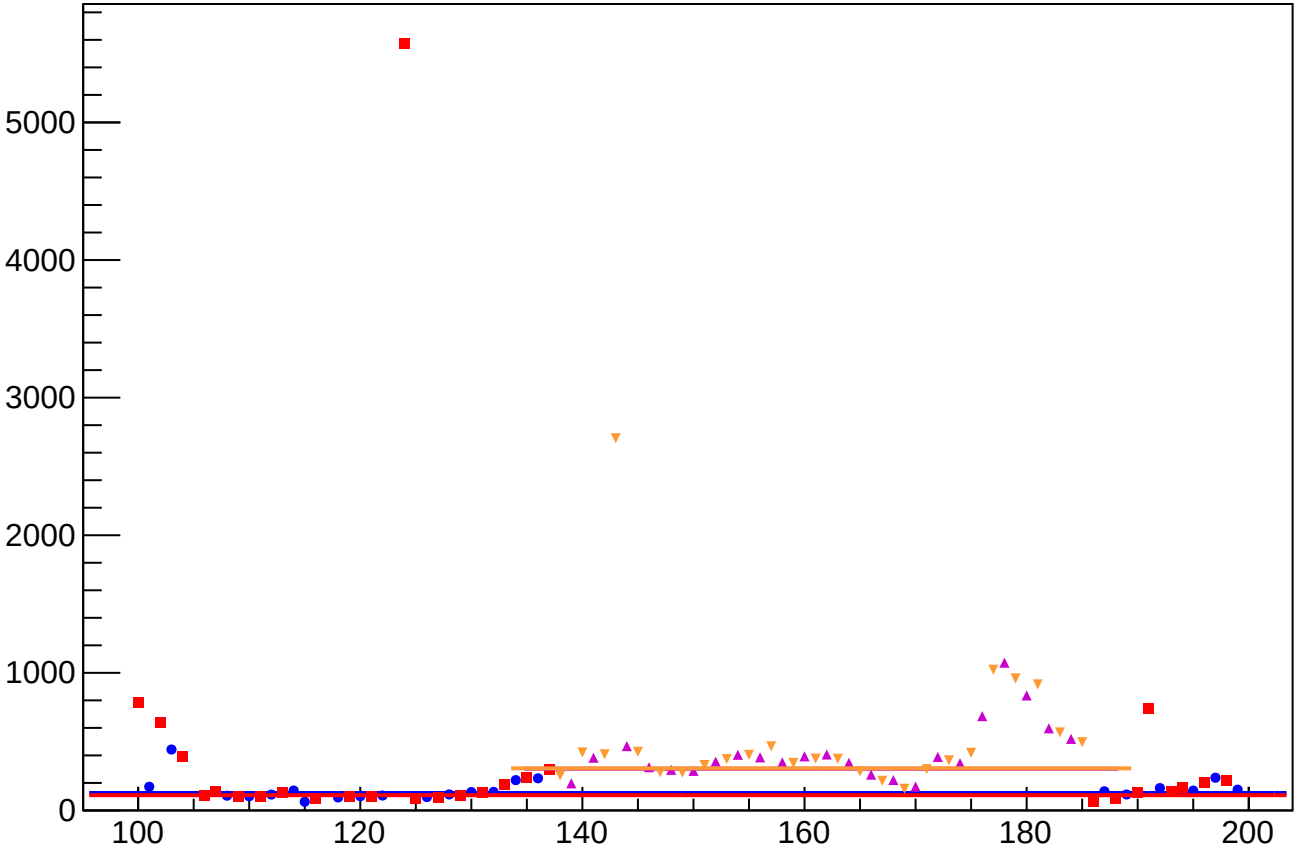
Right: 0.005+/-0.027 χ^2/NDF: 52.3/48

In: 0.048+/-0.036 χ^2/NDF:45.2/44

Out: -0.017+/-0.032 χ^2/NDF:62.3/51

All: 0.012+/-0.024 χ^2/NDF: 109.3/96

asym_atr1l2_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 126.869+/-0.029 χ^2/NDF: 2293390.3/21

Left Out: 305.950+/-0.055 χ^2/NDF:6634928.0/24

Right Out: 110.890+/-0.025 χ^2/NDF: 3911732.1/26

Left In: 303.278+/-0.055 χ^2/NDF:4813442.3/22

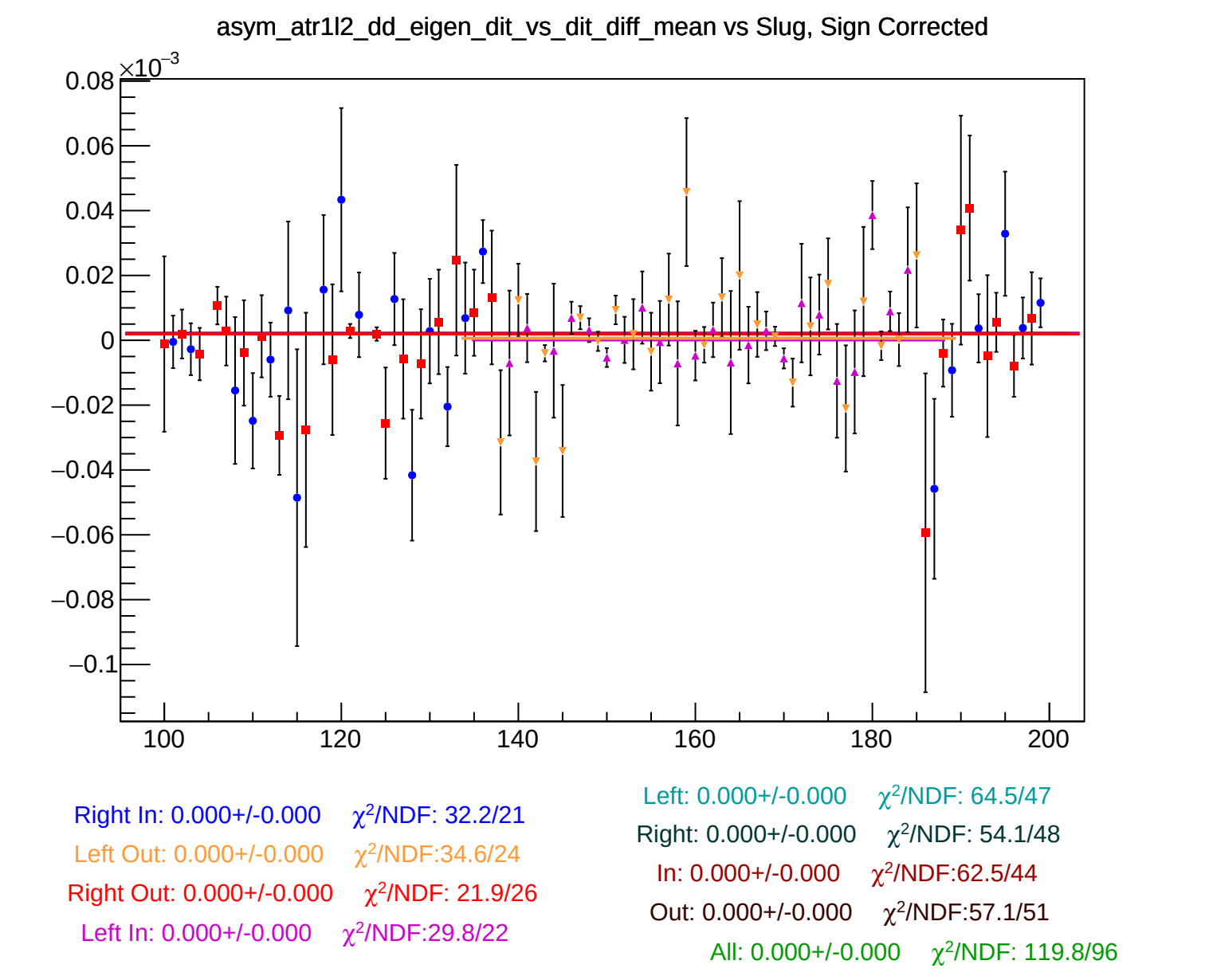
Left: 304.603+/-0.039 χ^2/NDF: 11449555.3/47

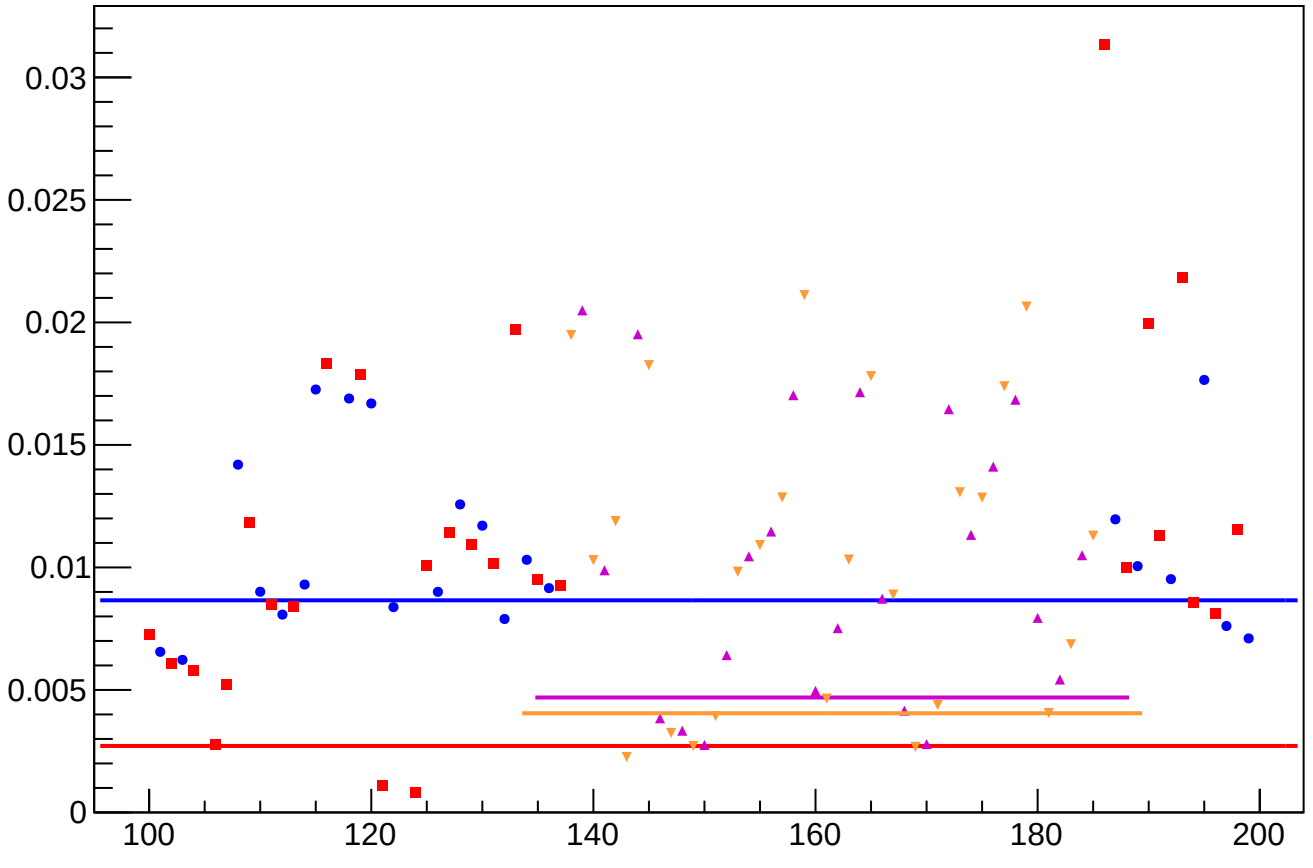
Right: 117.874+/-0.019 χ^2/NDF: 6379734.3/48

In: 164.967+/-0.025 χ^2/NDF:15272308.1/44

Out: 144.799+/-0.023 χ^2/NDF:20896770.8/51

All: 153.874+/-0.017 χ^2/NDF: 36515780.8/96


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: 32.2/21
Left Out: 0.000+/-0.000 χ²/NDF:34.6/24
Right Out: 0.000+/-0.000 χ²/NDF: 21.9/26
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: 54.1/48
In: 0.000+/-0.000 χ²/NDF:62.5/44
Out: 0.000+/-0.000 χ²/NDF:57.1/51
All: 0.000+/-0.000 χ²/NDF: 119.8/96



Right In: 0.009+/-0.000 χ^2/NDF: 1726697.4/21

Left Out: 0.004+/-0.000 χ^2/NDF:13552895.5/24

Right Out: 0.003+/-0.000 χ^2/NDF: 15298484.1/26

Left In: 0.005+/-0.000 χ^2/NDF:10859759.8/22

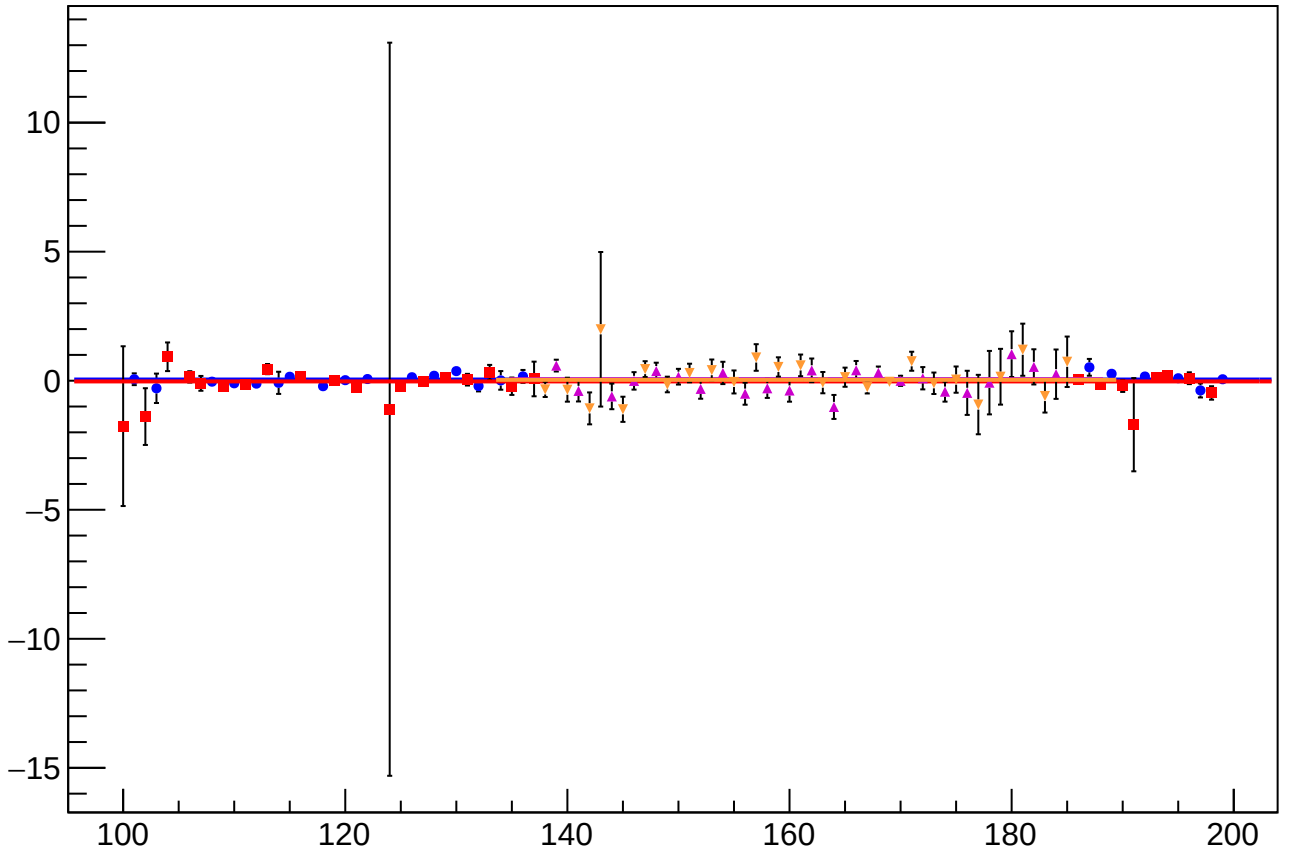
Left: 0.004+/-0.000 χ^2/NDF: 24656660.1/47

Right: 0.004+/-0.000 χ^2/NDF: 24796240.1/48

In: 0.006+/-0.000 χ^2/NDF:15937370.9/44

Out: 0.003+/-0.000 χ^2/NDF:30004742.3/51

All: 0.004+/-0.000 χ^2/NDF: 49698105.1/96



Right In: 0.046+/-0.041 χ^2/NDF: 19.1/21

Left Out: 0.034+/-0.078 χ^2/NDF:30.5/24

Right Out: -0.028+/-0.036 χ^2/NDF: 31.3/26

Left In: 0.056+/-0.077 χ^2/NDF:26.0/22

Left: 0.045+/-0.055 χ^2/NDF: 56.5/47

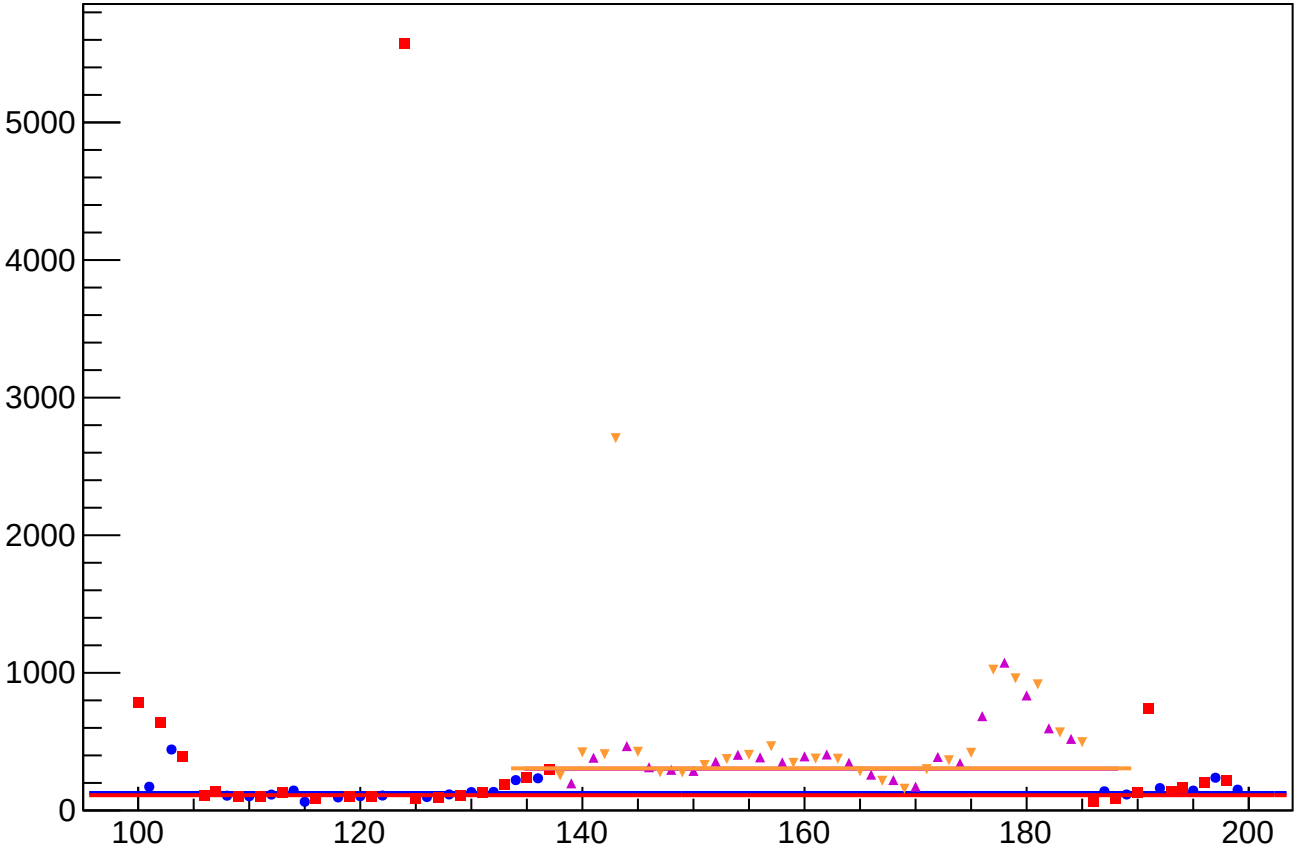
Right: 0.005+/-0.027 χ^2/NDF: 52.3/48

In: 0.048+/-0.036 χ^2/NDF:45.2/44

Out: -0.017+/-0.032 χ^2/NDF:62.3/51

All: 0.012+/-0.024 χ^2/NDF: 109.3/96

asym_atr1l2_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 126.869+/-0.029 χ^2/NDF: 2293366.7/21

Left Out: 305.951+/-0.055 χ^2/NDF:6634999.6/24

Right Out: 110.891+/-0.025 χ^2/NDF: 3911552.4/26

Left In: 303.281+/-0.055 χ^2/NDF:4813426.5/22

Left: 304.605+/-0.039 χ^2/NDF: 11449609.9/47

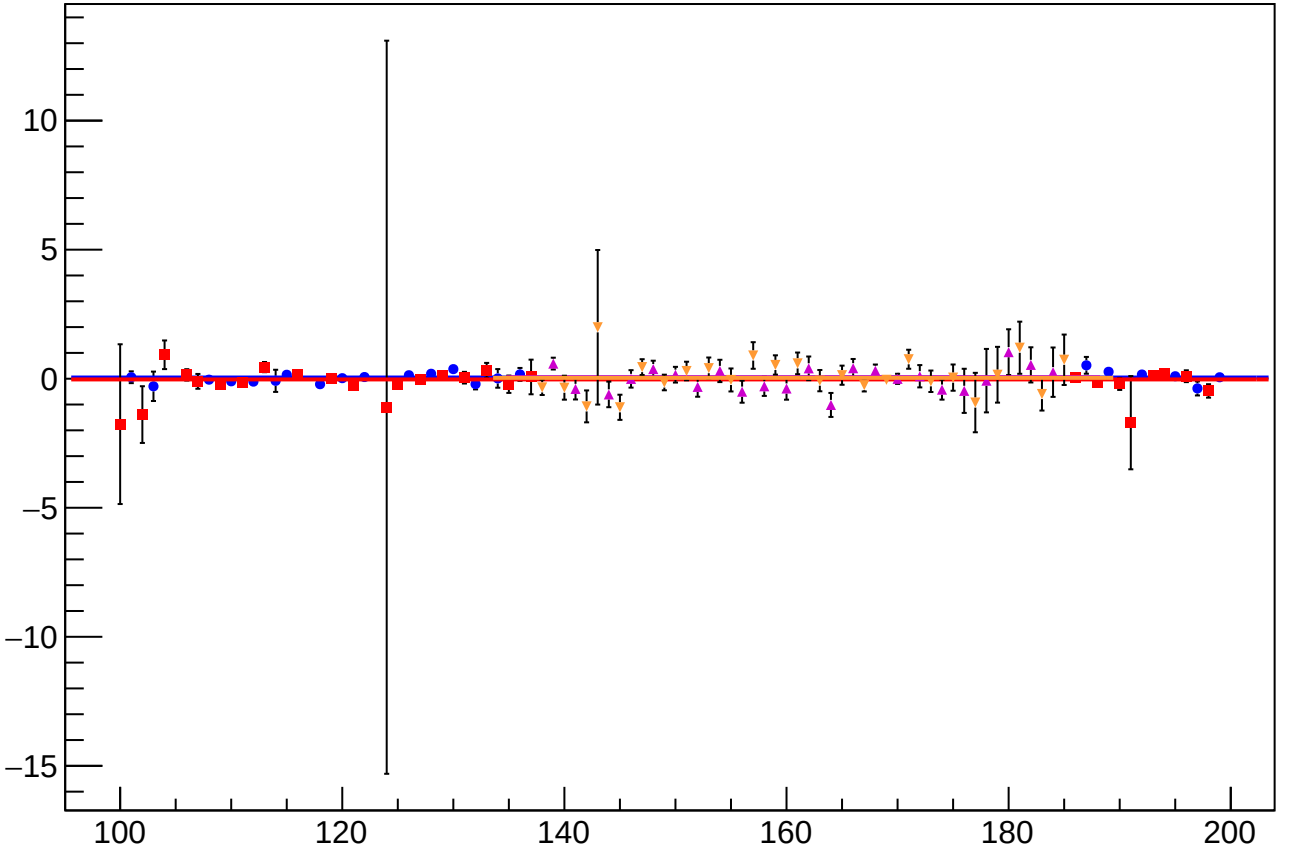
Right: 117.874+/-0.019 χ^2/NDF: 6379517.2/48

In: 164.968+/-0.025 χ^2/NDF:15272371.6/44

Out: 144.800+/-0.023 χ^2/NDF:20896621.3/51

All: 153.875+/-0.017 χ^2/NDF: 36515681.2/96

asym_atr1l2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.046+/-0.041 χ^2/NDF: 19.1/21

Left Out: 0.034+/-0.078 χ^2/NDF:30.5/24

Right Out: -0.028+/-0.036 χ^2/NDF: 31.3/26

Left In: 0.056+/-0.077 χ^2/NDF:26.0/22

Left: 0.045+/-0.055 χ^2/NDF: 56.5/47

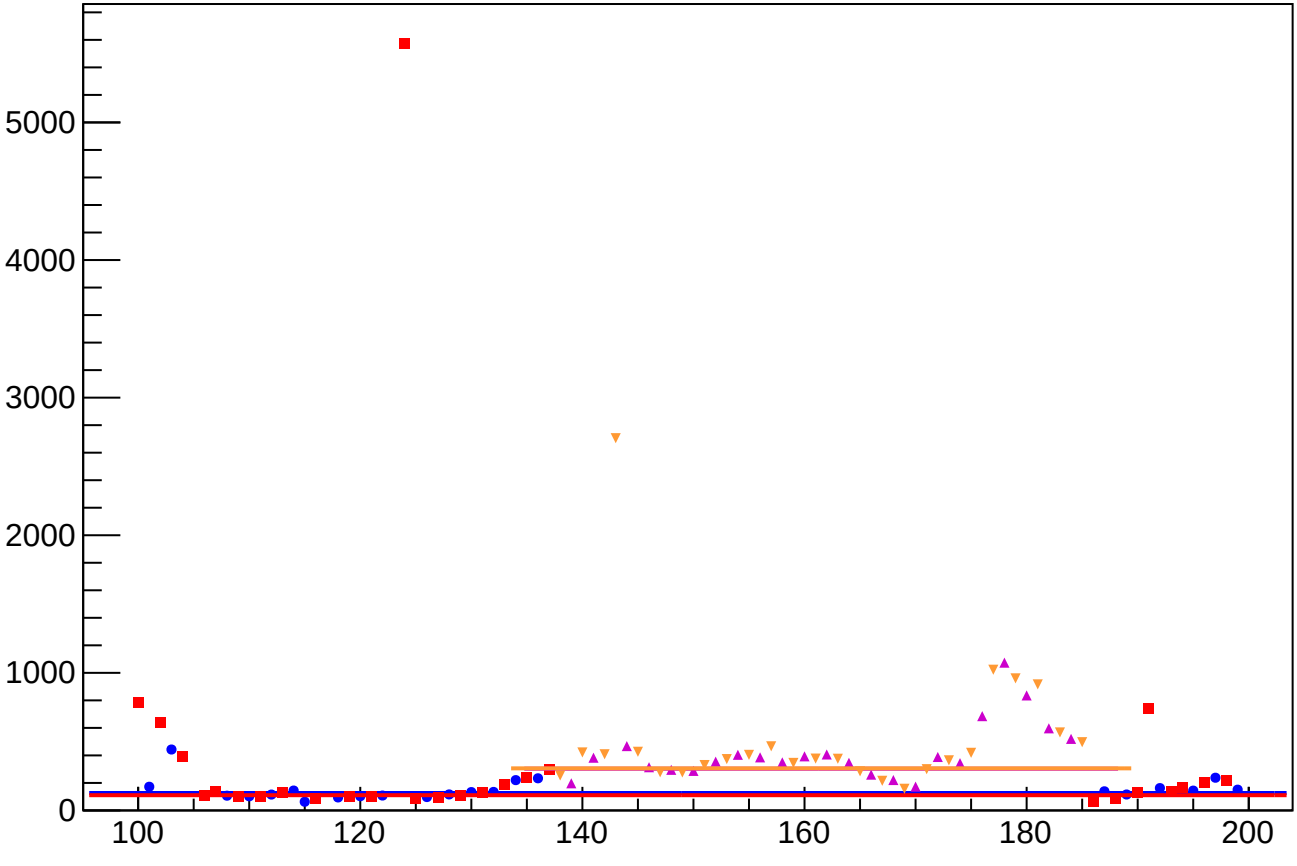
Right: 0.005+/-0.027 χ^2/NDF: 52.3/48

In: 0.048+/-0.036 χ^2/NDF:45.2/44

Out: -0.017+/-0.032 χ^2/NDF:62.3/51

All: 0.012+/-0.024 χ^2/NDF: 109.3/96

asym_atr1l2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 126.869+/-0.029 χ^2/NDF: 2293366.7/21

Left Out: 305.951+/-0.055 χ^2/NDF:6634999.6/24

Right Out: 110.891+/-0.025 χ^2/NDF: 3911552.4/26

Left In: 303.281+/-0.055 χ^2/NDF:4813426.5/22

Left: 304.605+/-0.039 χ^2/NDF: 11449609.9/47

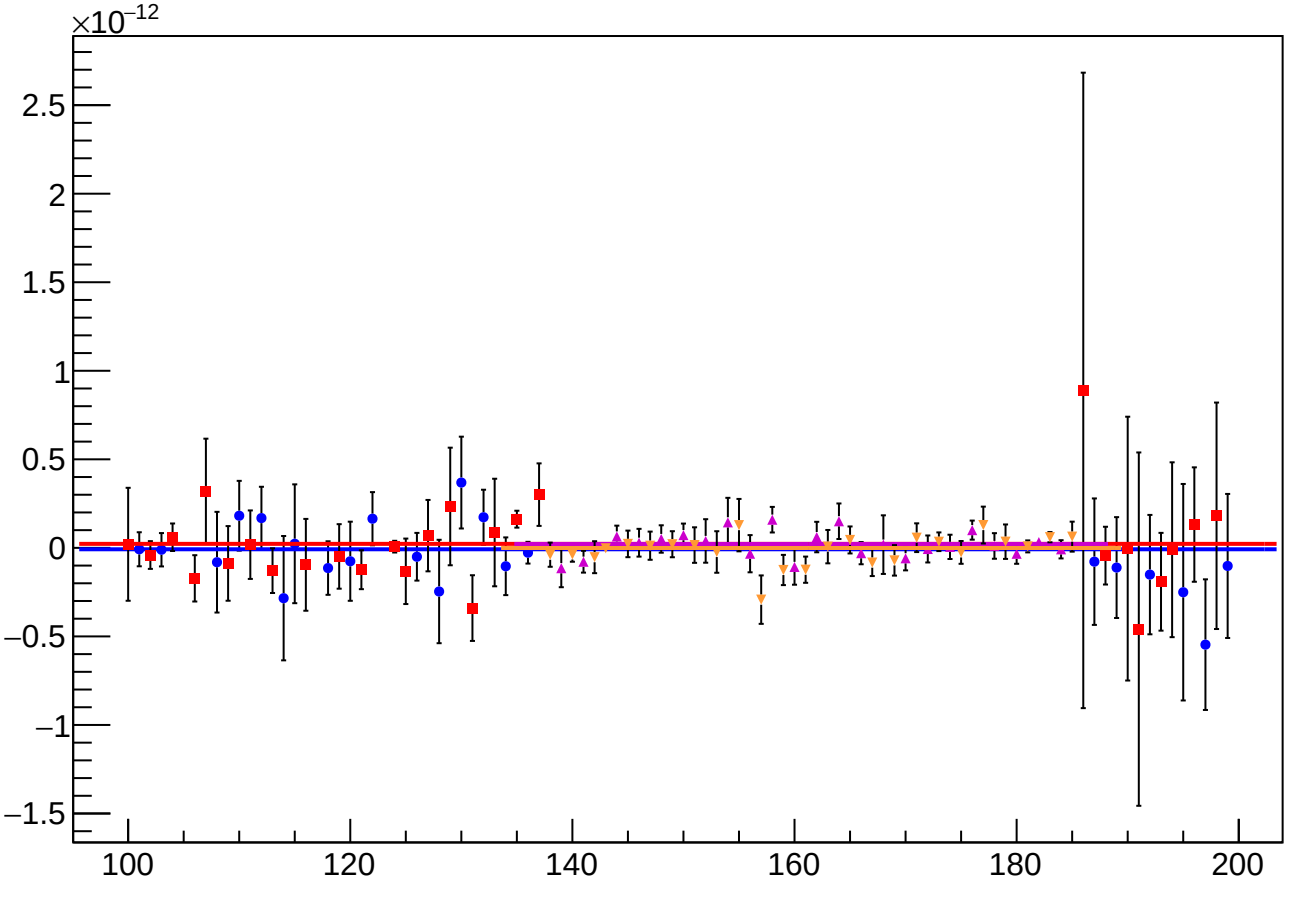
Right: 117.874+/-0.019 χ^2/NDF: 6379517.2/48

In: 164.968+/-0.025 χ^2/NDF:15272371.6/44

Out: 144.800+/-0.023 χ^2/NDF:20896621.3/51

All: 153.875+/-0.017 χ^2/NDF: 36515681.2/96

asym_atr1l2_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 11.9/21

Left Out: -0.000+/-0.000 χ^2/NDF:22.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 25.6/26

Left In: 0.000+/-0.000 χ^2/NDF:19.5/22

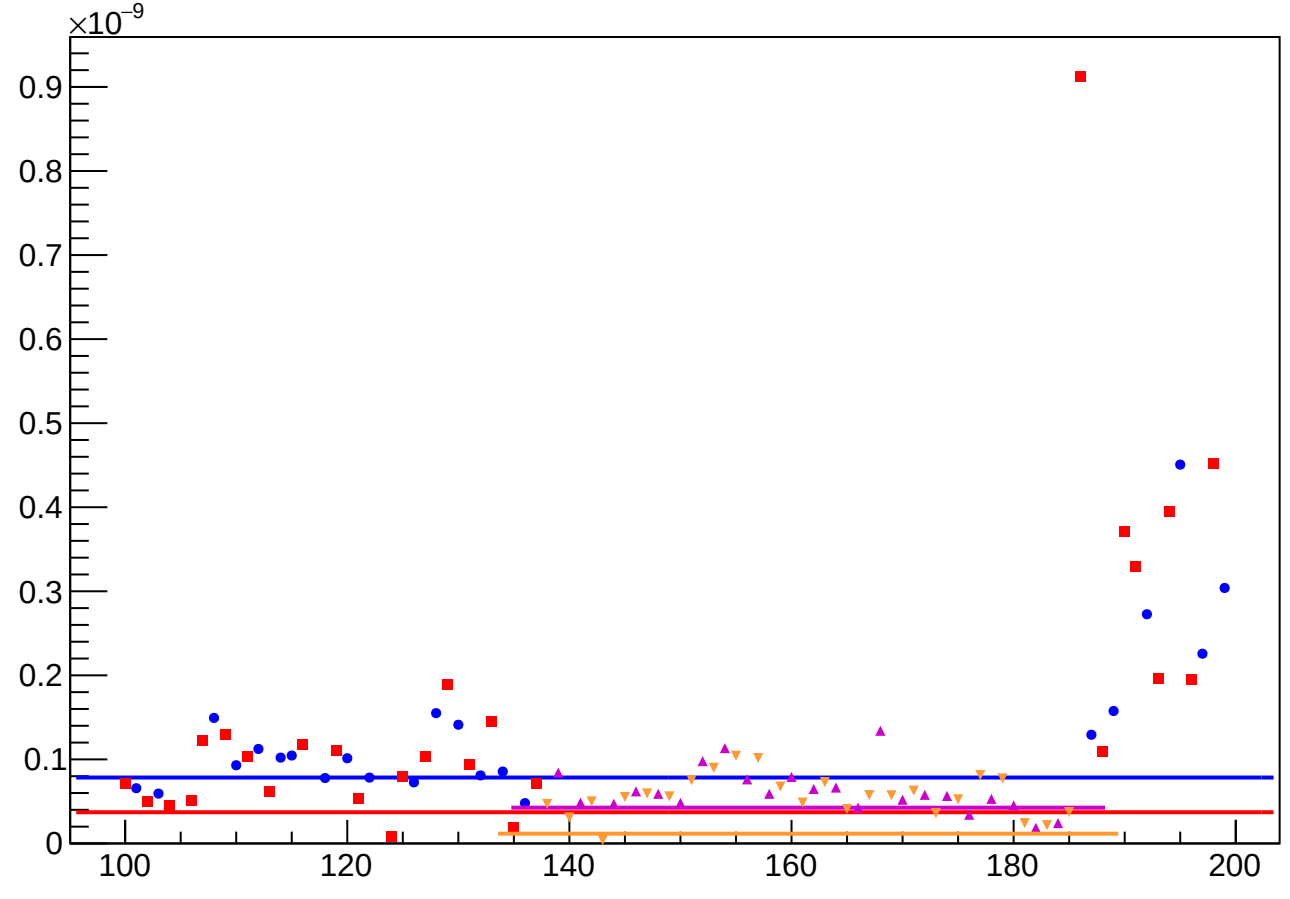
Left: 0.000+/-0.000 χ^2/NDF: 44.0/47

Right: 0.000+/-0.000 χ^2/NDF: 38.1/48

In: 0.000+/-0.000 χ^2/NDF:32.1/44

Out: 0.000+/-0.000 χ^2/NDF:48.8/51

All: 0.000+/-0.000 χ^2/NDF: 82.5/96



Right In: 0.000+/-0.000 χ^2/NDF: 3659725.4/21

Left Out: 0.000+/-0.000 χ^2/NDF:17863822.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9022224.4/26

Left In: 0.000+/-0.000 χ^2/NDF:5419961.9/22

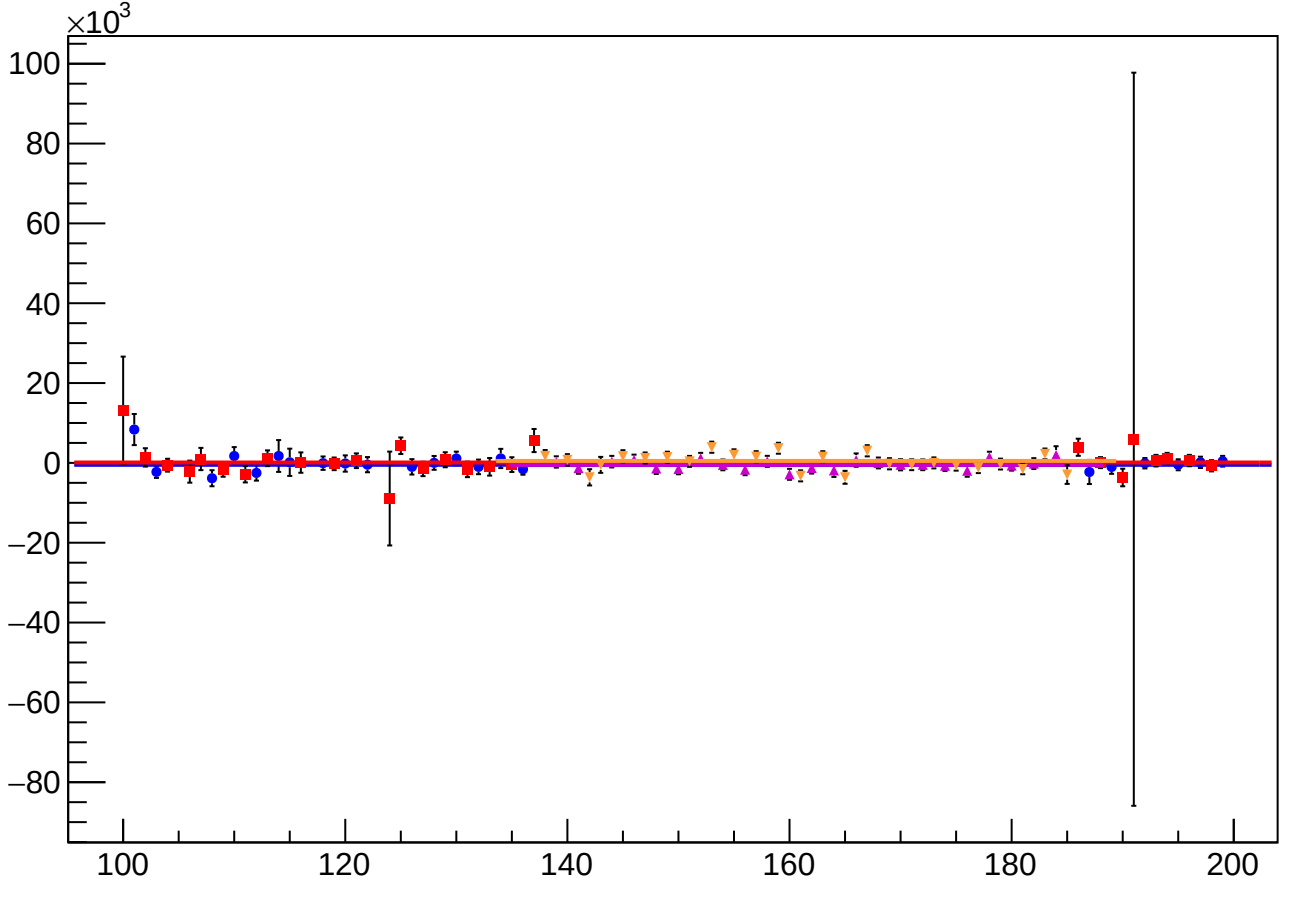
Left: 0.000+/-0.000 χ^2/NDF: 32408011.0/47

Right: 0.000+/-0.000 χ^2/NDF: 14842602.6/48

In: 0.000+/-0.000 χ^2/NDF:11057190.2/44

Out: 0.000+/-0.000 χ^2/NDF:29553902.3/51

All: 0.000+/-0.000 χ^2/NDF: 53139904.9/96



Right In: -476.111+/-383.517 χ^2/NDF: 15.2/21

Left Out: 492.062+/-288.495 χ^2/NDF:46.9/24

Right Out: 94.811+/-372.963 χ^2/NDF: 23.3/26

Left In: -486.821+/-293.769 χ^2/NDF:14.4/22

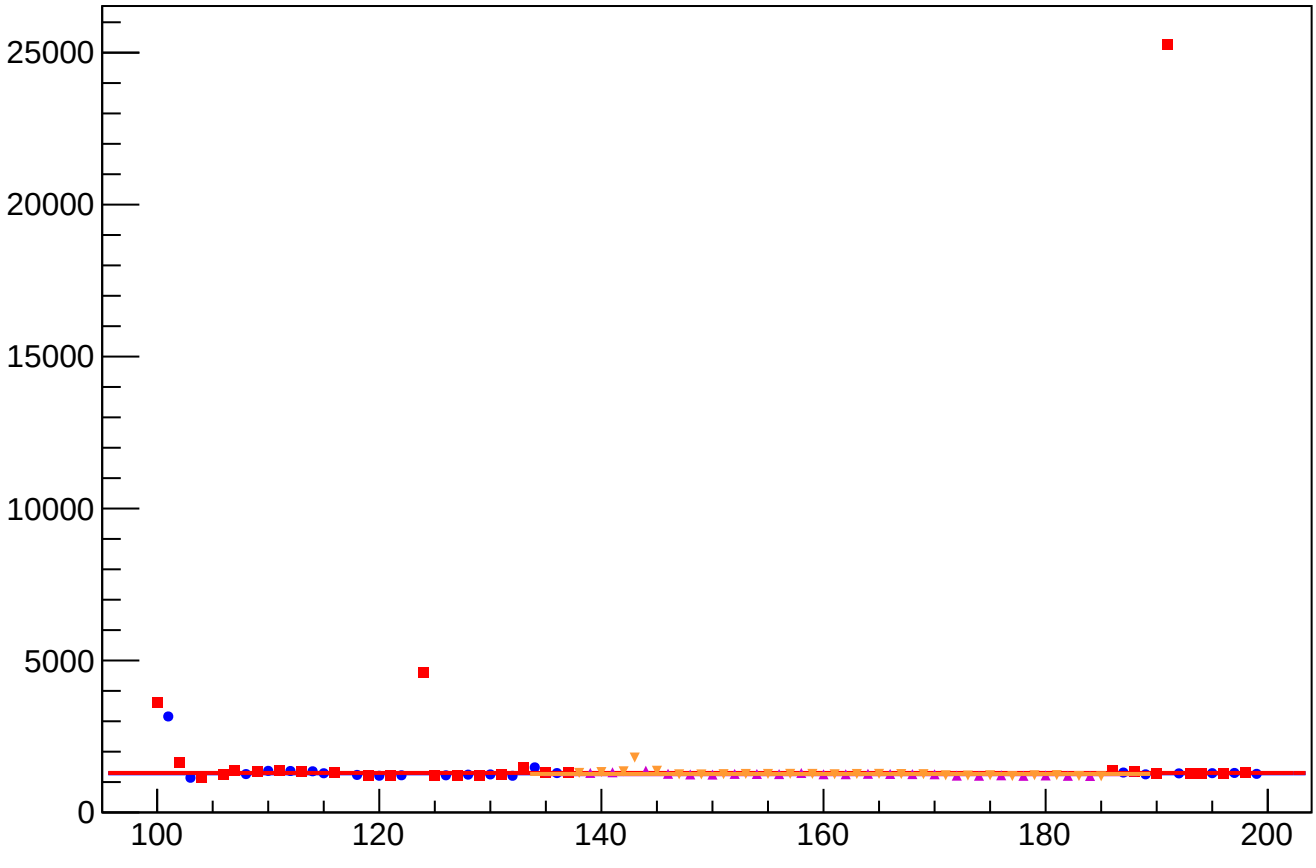
Left: 11.486+/-205.836 χ^2/NDF: 67.0/47

Right: -182.686+/-267.378 χ^2/NDF: 39.6/48

In: -482.861+/-233.213 χ^2/NDF:29.6/44

Out: 343.352+/-228.194 χ^2/NDF:70.9/51

All: -60.768+/-163.103 χ^2/NDF: 106.9/96



Right In: 1287.235+/-0.271 χ^2/NDF: 516109.2/21

Left Out: 1266.967+/-0.204 χ^2/NDF:187545.6/24

Right Out: 1300.666+/-0.263 χ^2/NDF: 465813.1/26

Left In: 1257.551+/-0.208 χ^2/NDF:36816.4/22

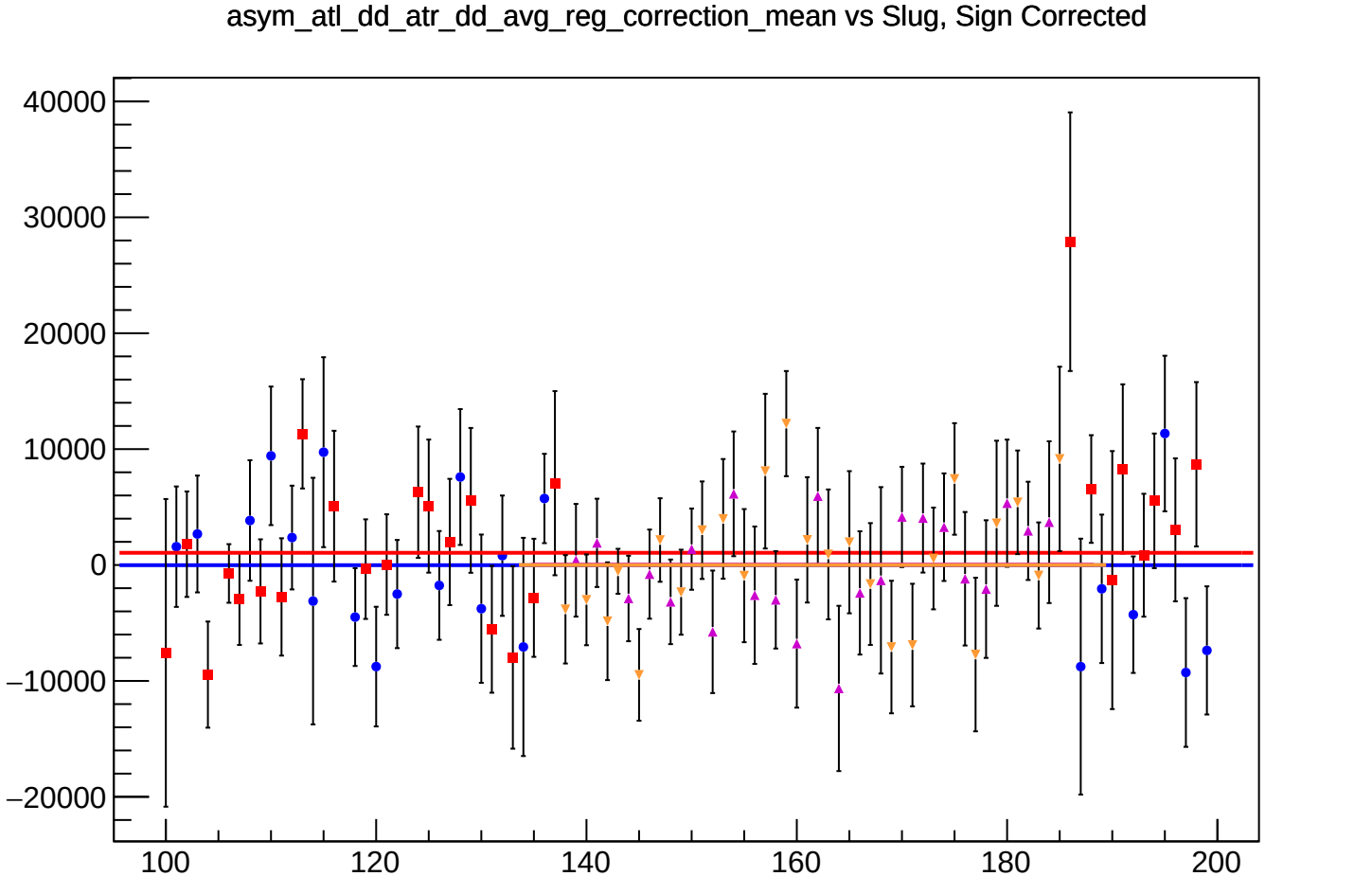
Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

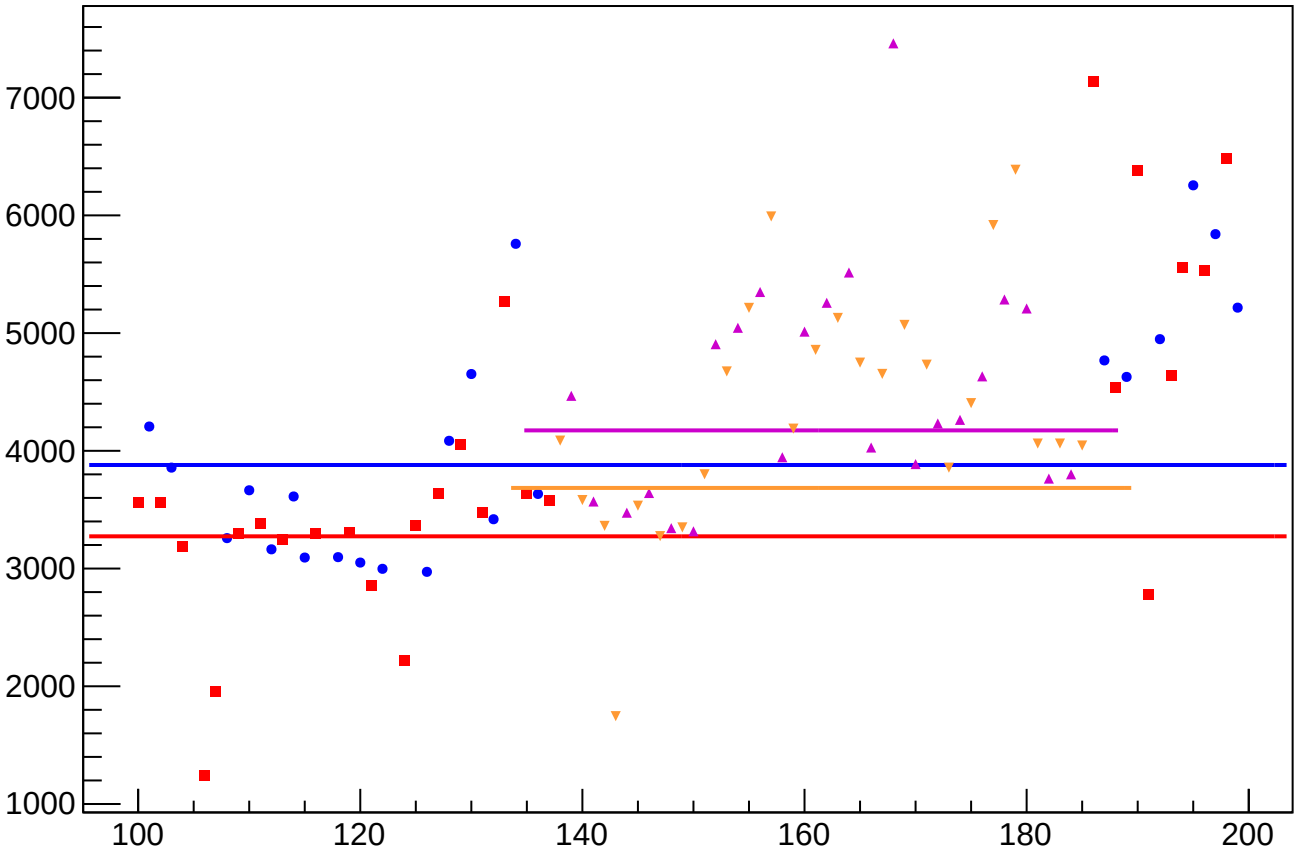
Right: 1294.148+/-0.189 χ^2/NDF: 983184.9/48

In: 1268.528+/-0.165 χ^2/NDF:560476.3/44

Out: 1279.607+/-0.161 χ^2/NDF:663593.6/51

All: 1274.191+/-0.115 χ^2/NDF: 1226377.1/96


asym_atl_dd_atr_dd_avg_reg_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
100
120
140
160
180
200
Right In: -14.713+/-1177.908 χ²/NDF: 22.6/21
Left Out: -0.604+/-886.488 χ²/NDF:29.1/24
Right Out: 1054.355+/-998.678 χ²/NDF: 29.5/26
Left In: 31.593+/-995.348 χ²/NDF:14.0/22
Left: 13.638+/-661.996 χ²/NDF: 43.1/47
Right: 607.260+/-761.743 χ²/NDF: 52.6/48
In: 12.302+/-760.262 χ²/NDF:36.7/44
Out: 464.314+/-662.973 χ²/NDF:59.2/51
All: 269.063+/-499.672 χ²/NDF: 96.1/96



Right In: 3879.660+/-0.833 χ^2/NDF: 1196815.7/21

Left Out: 3684.769+/-0.627 χ^2/NDF:3693646.6/24

Right Out: 3273.733+/-0.706 χ^2/NDF: 3466611.3/26

Left In: 4173.556+/-0.704 χ^2/NDF:1274968.4/22

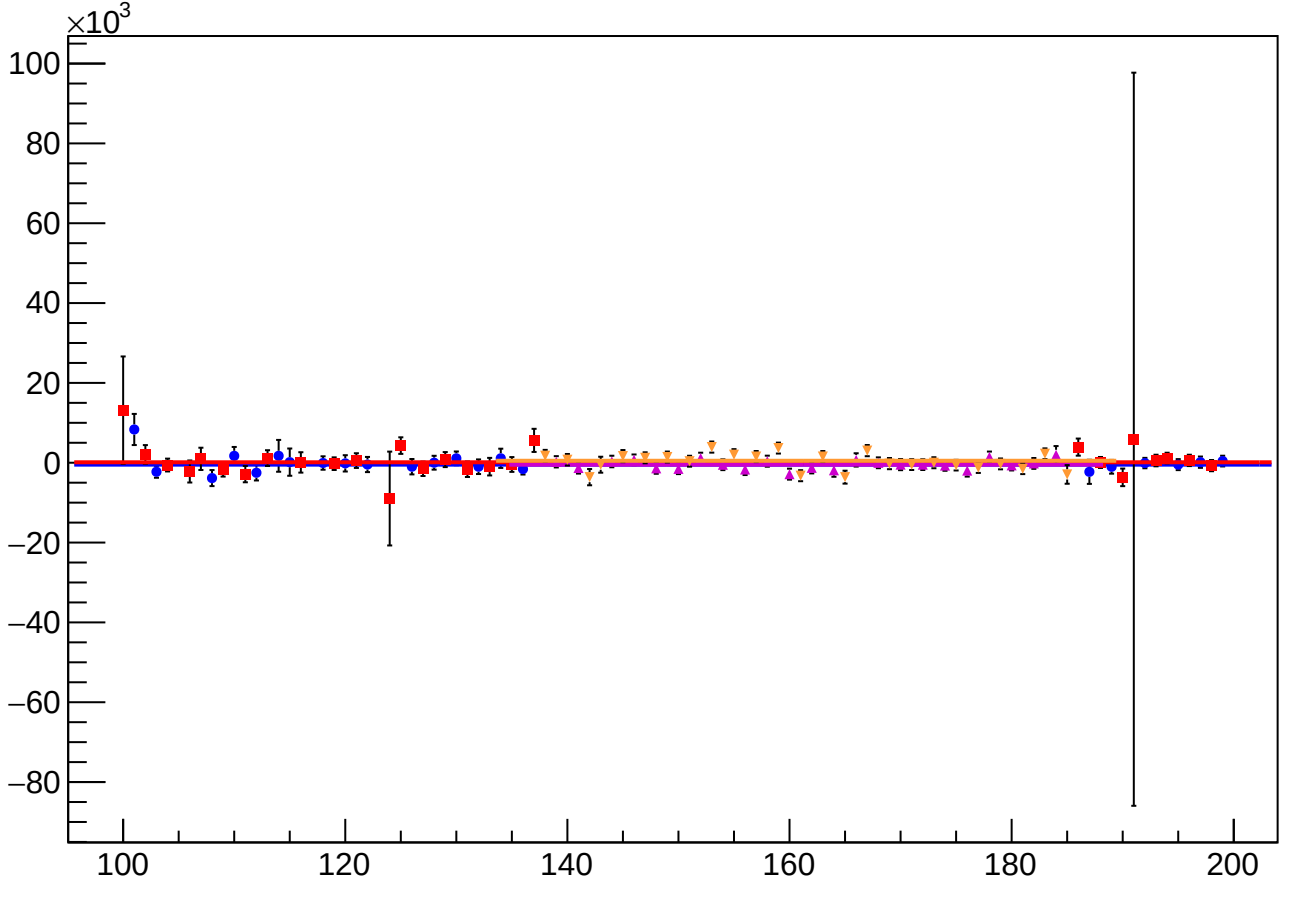
Left: 3900.981+/-0.468 χ^2/NDF: 5237573.9/47

Right: 3527.137+/-0.539 χ^2/NDF: 4971330.9/48

In: 4051.123+/-0.538 χ^2/NDF:2544423.5/44

Out: 3503.626+/-0.469 χ^2/NDF:7349747.5/51

All: 3740.123+/-0.353 χ^2/NDF: 10483348.5/9



Right In: -476.330+/-383.517 χ^2/NDF: 15.1/21

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: 111.879+/-373.108 χ^2/NDF: 23.7/26

Left In: -486.720+/-293.769 χ^2/NDF:14.4/22

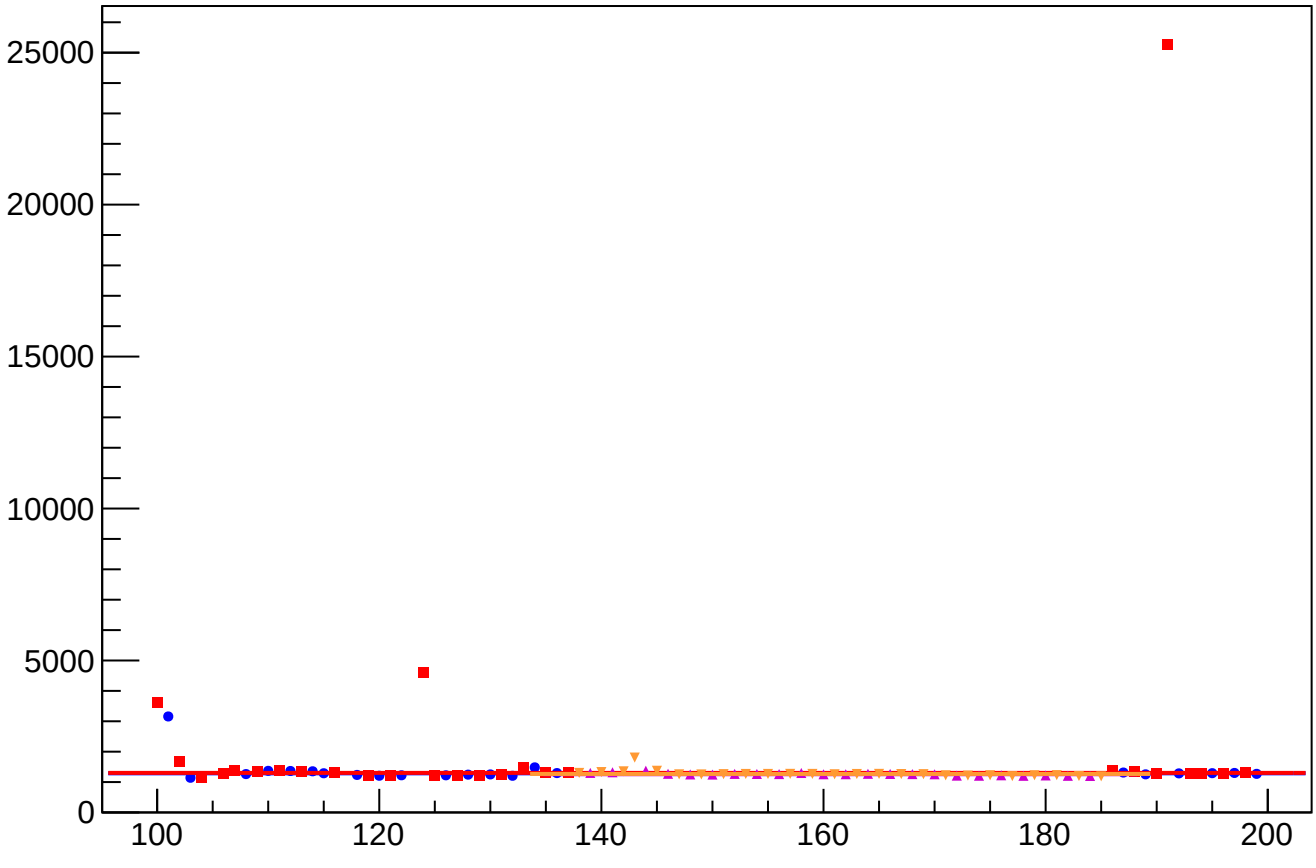
Left: 11.544+/-205.836 χ^2/NDF: 67.0/47

Right: -174.134+/-267.431 χ^2/NDF: 40.1/48

In: -482.878+/-233.213 χ^2/NDF:29.6/44

Out: 349.820+/-228.227 χ^2/NDF:71.3/51

All: -57.532+/-163.115 χ^2/NDF: 107.3/96



Right In: 1287.235+/-0.271 χ^2/NDF: 516110.7/21

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

Right Out: 1301.856+/-0.264 χ^2/NDF: 472291.3/26

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

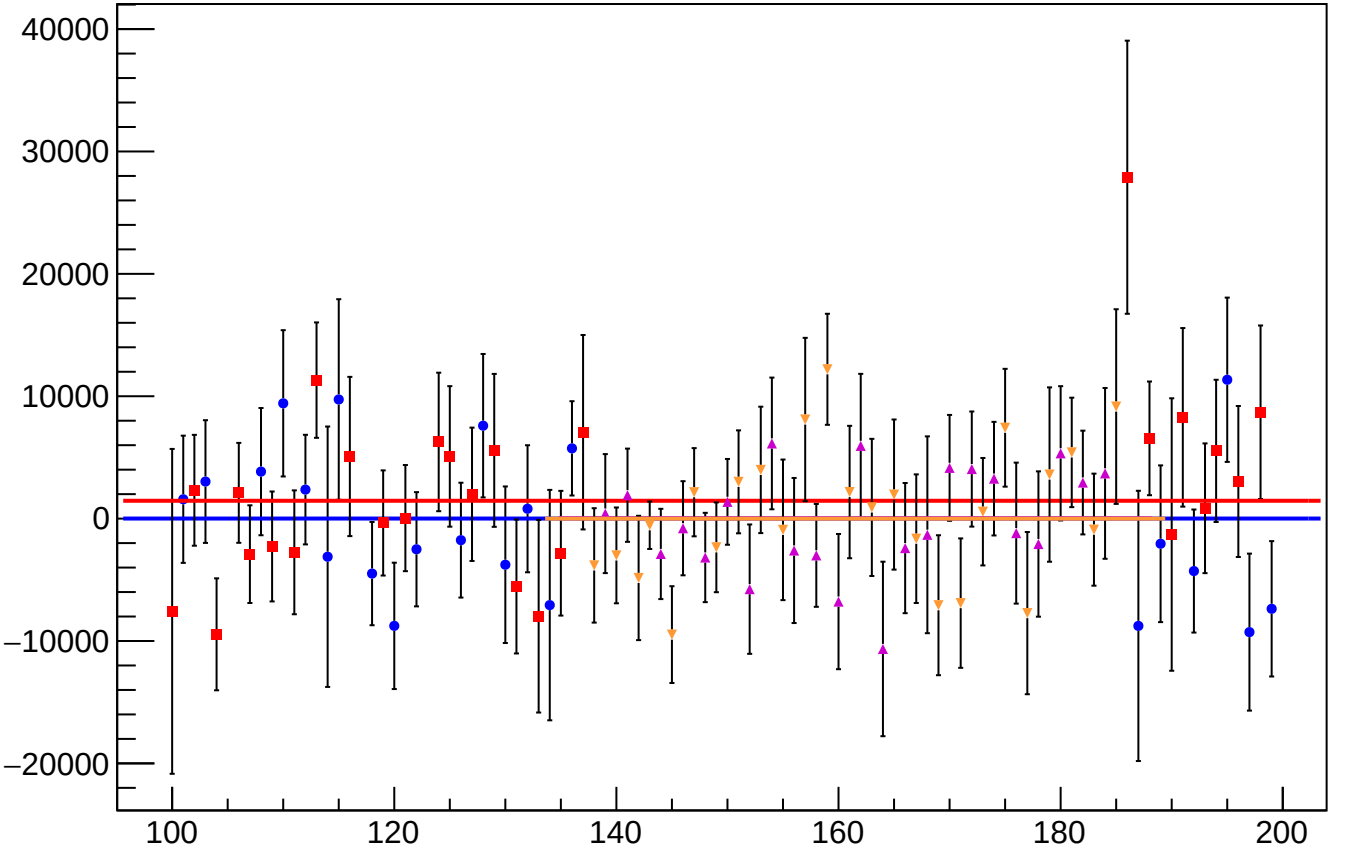
Right: 1294.755+/-0.189 χ^2/NDF: 989897.1/48

In: 1268.528+/-0.165 χ^2/NDF:560477.6/44

Out: 1280.040+/-0.161 χ^2/NDF:670796.3/51

All: 1274.410+/-0.115 χ^2/NDF: 1233764.2/96

asym_atl_dd_atr_dd_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: 6.097+/-1177.588 χ^2/NDF: 22.7/21

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

Right Out: 1458.117+/-1050.045 χ^2/NDF: 29.0/26

Left In: 31.597+/-995.347 χ^2/NDF:14.0/22

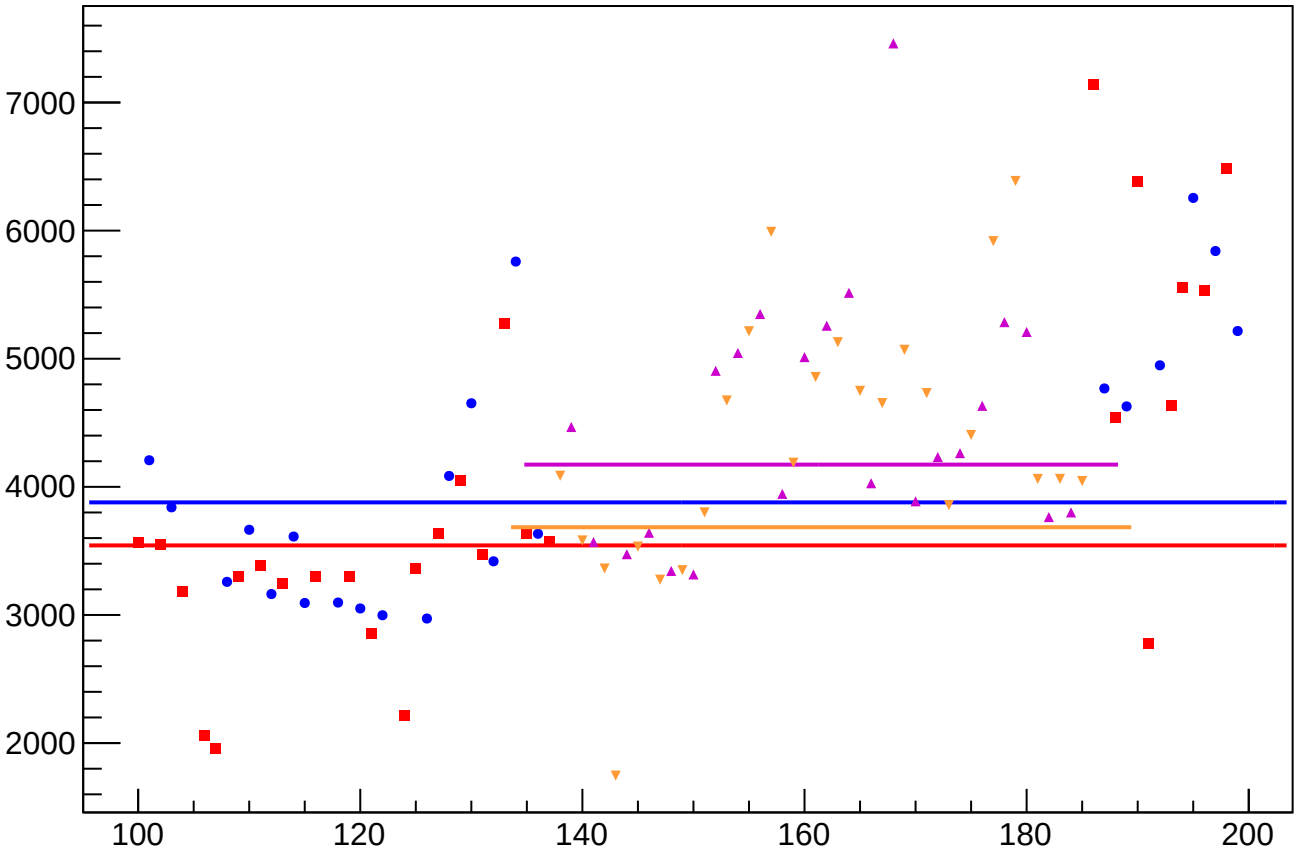
Left: 13.675+/-661.996 χ^2/NDF: 43.1/47

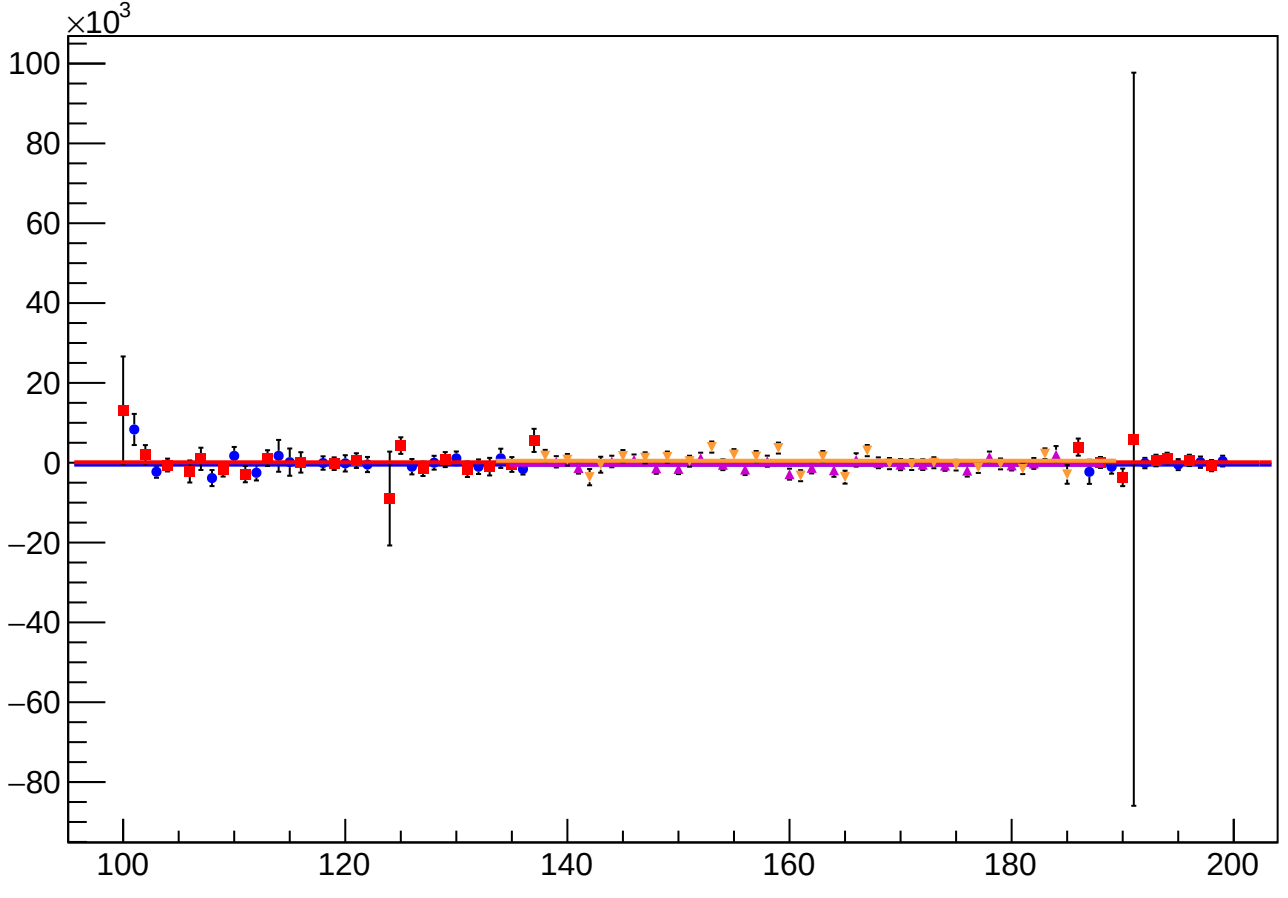
Right: 814.971+/-783.722 χ^2/NDF: 52.5/48

In: 20.971+/-760.176 χ^2/NDF:36.8/44

Out: 606.464+/-677.372 χ^2/NDF:59.1/51

All: 347.331+/-505.725 χ^2/NDF: 96.2/96


asym_atl_dd_atr_dd_avg_cor_correction_rms vs Slug, Sign Corrected
7000
6000
5000
4000
3000
2000
100
120
140
160
180
200
Right In: 3878.737+/-0.833 χ²/NDF: 1196957.8/21
Left Out: 3684.762+/-0.627 χ²/NDF:3693687.2/24
Right Out: 3542.906+/-0.742 χ²/NDF: 2220097.4/26
Left In: 4173.550+/-0.704 χ²/NDF:1274967.5/22
Left: 3900.975+/-0.468 χ²/NDF: 5237615.0/47
Right: 3691.656+/-0.554 χ²/NDF: 3507668.7/48
In: 4050.696+/-0.538 χ²/NDF:2545041.8/44
Out: 3625.730+/-0.479 χ²/NDF:5935096.3/51
All: 3813.816+/-0.358 χ²/NDF: 8828544.6/96



Right In: -476.330+/-383.517 χ^2/NDF: 15.1/21

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: 111.879+/-373.108 χ^2/NDF: 23.7/26

Left In: -486.720+/-293.769 χ^2/NDF:14.4/22

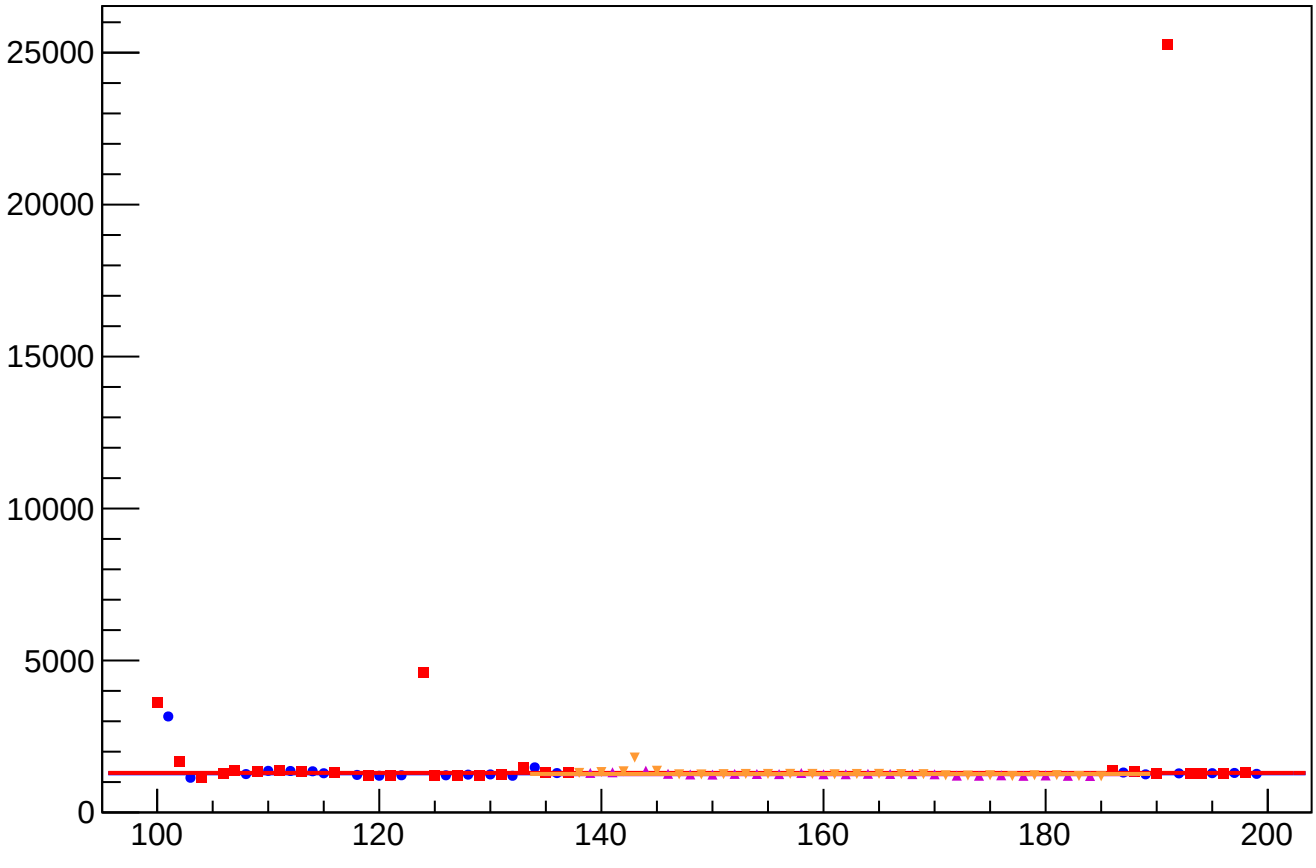
Left: 11.544+/-205.836 χ^2/NDF: 67.0/47

Right: -174.134+/-267.431 χ^2/NDF: 40.1/48

In: -482.878+/-233.213 χ^2/NDF:29.6/44

Out: 349.820+/-228.227 χ^2/NDF:71.3/51

All: -57.532+/-163.115 χ^2/NDF: 107.3/96



Right In: 1287.235+/-0.271 χ^2/NDF: 516110.7/21

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

Right Out: 1301.856+/-0.264 χ^2/NDF: 472291.3/26

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

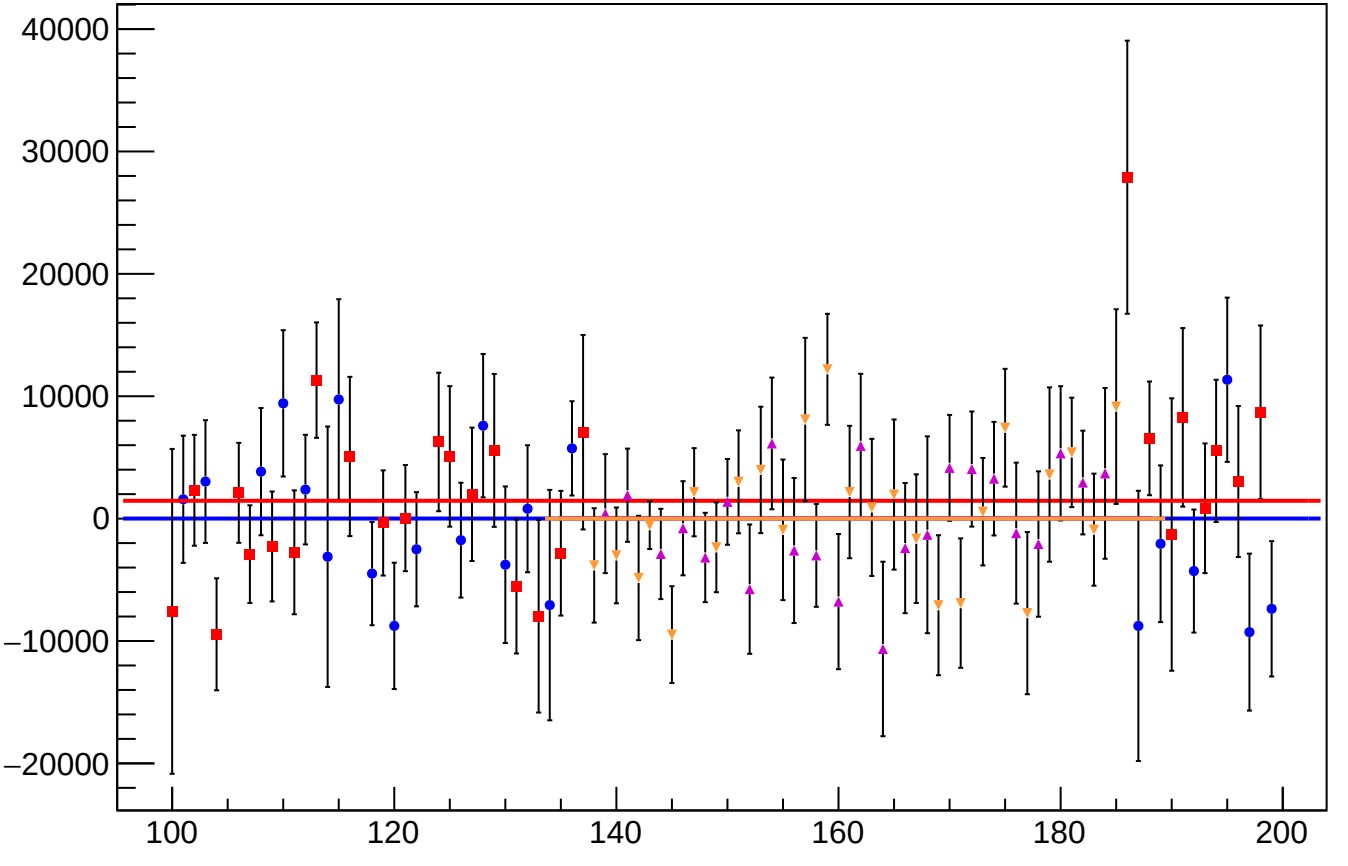
Right: 1294.755+/-0.189 χ^2/NDF: 989897.1/48

In: 1268.528+/-0.165 χ^2/NDF:560477.6/44

Out: 1280.040+/-0.161 χ^2/NDF:670796.3/51

All: 1274.410+/-0.115 χ^2/NDF: 1233764.2/96

asym_atl_dd_atr_dd_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 6.097+/-1177.588 χ^2/NDF: 22.7/21

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

Right Out: 1458.117+/-1050.045 χ^2/NDF: 29.0/26

Left In: 31.597+/-995.347 χ^2/NDF:14.0/22

Left: 13.675+/-661.996 χ^2/NDF: 43.1/47

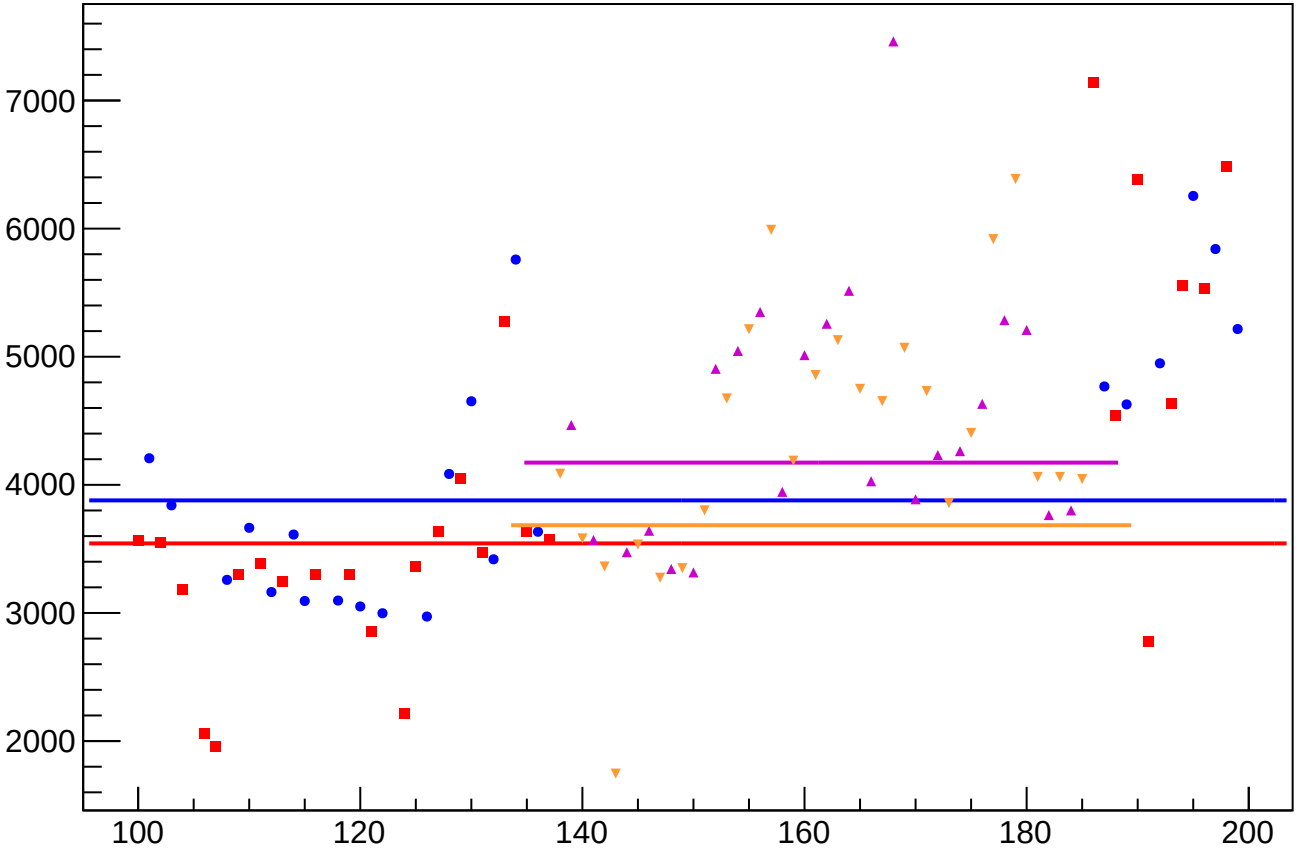
Right: 814.971+/-783.722 χ^2/NDF: 52.5/48

In: 20.971+/-760.176 χ^2/NDF:36.8/44

Out: 606.464+/-677.372 χ^2/NDF:59.1/51

All: 347.331+/-505.725 χ^2/NDF: 96.2/96

asym_atl_dd_atr_dd_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 3878.737+/-0.833 χ^2/NDF: 1196957.8/21

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

Right Out: 3542.906+/-0.742 χ^2/NDF: 2220097.4/26

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

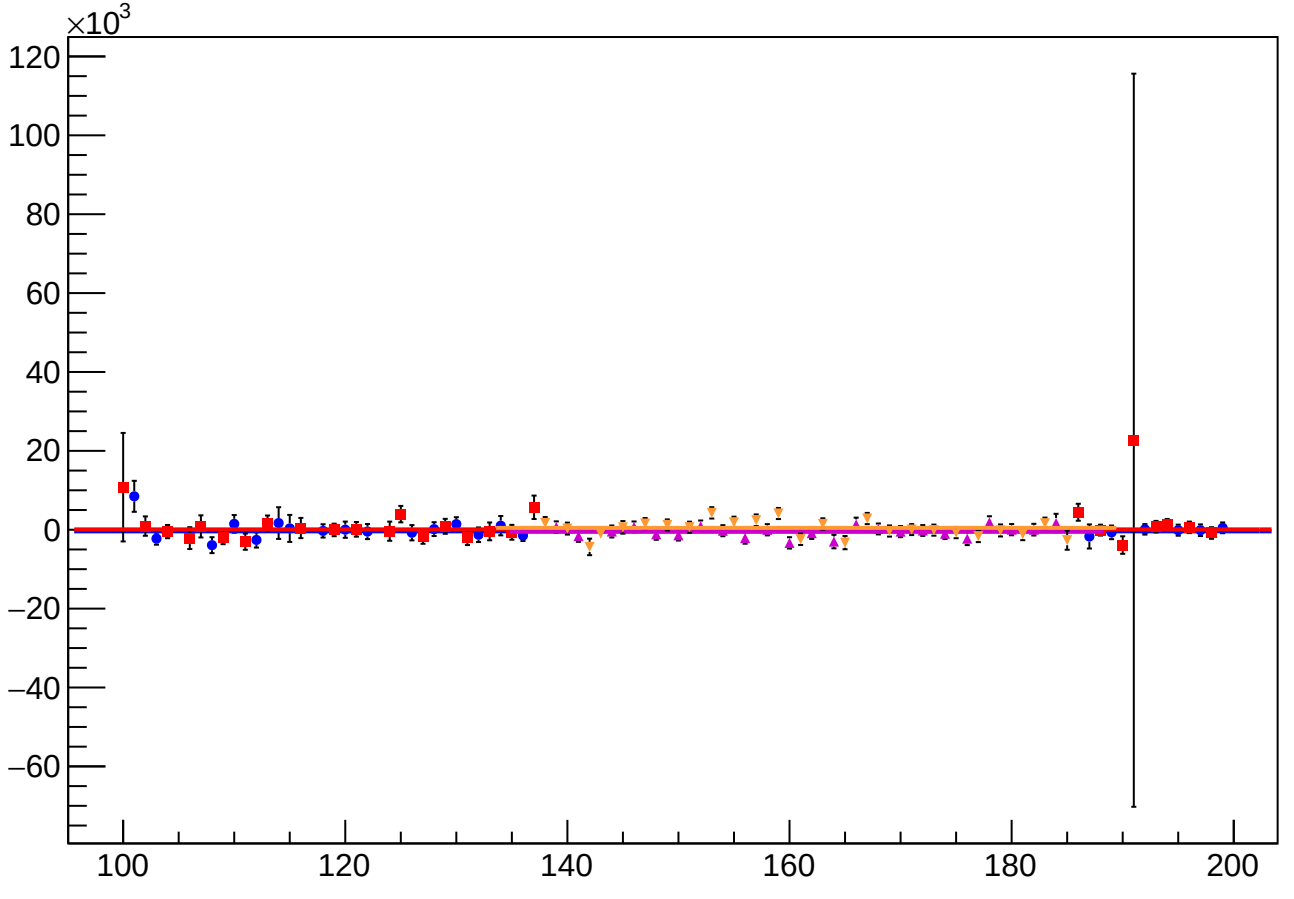
Left: 3900.975+/-0.468 χ^2/NDF: 5237615.0/47

Right: 3691.656+/-0.554 χ^2/NDF: 3507668.7/48

In: 4050.696+/-0.538 χ^2/NDF:2545041.8/44

Out: 3625.730+/-0.479 χ^2/NDF:5935096.3/51

All: 3813.816+/-0.358 χ^2/NDF: 8828544.6/96



Right In: -406.817+/-389.065 χ^2/NDF: 15.1/21

Left Out: 467.929+/-294.257 χ^2/NDF:44.1/24

Right Out: 93.322+/-374.882 χ^2/NDF: 24.0/26

Left In: -503.558+/-307.055 χ^2/NDF:17.4/22

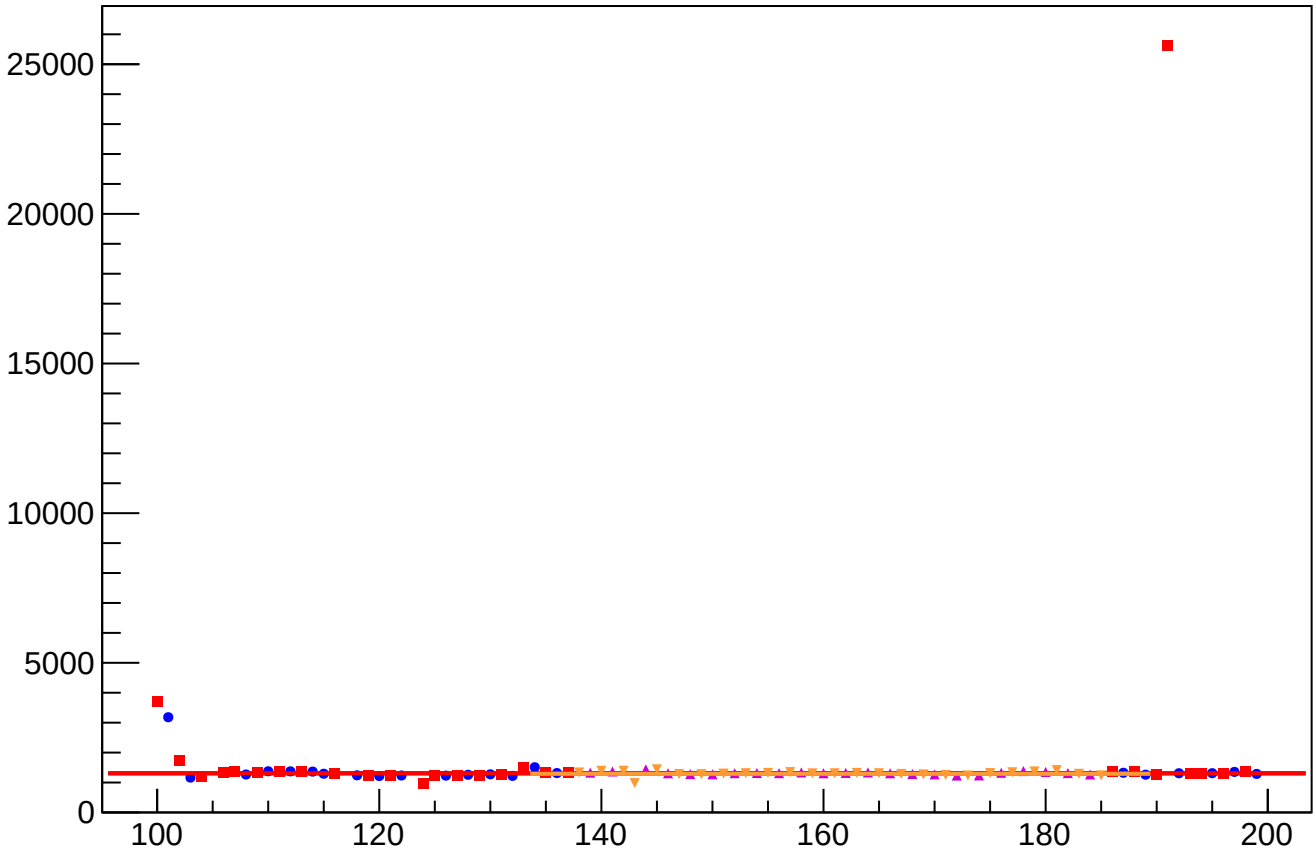
Left: 2.853+/-212.452 χ^2/NDF: 66.7/47

Right: -147.465+/-269.957 χ^2/NDF: 40.0/48

In: -466.429+/-241.033 χ^2/NDF:32.6/44

Out: 325.116+/-231.468 χ^2/NDF:68.7/51

All: -54.638+/-166.952 χ^2/NDF: 106.9/96



Right In: 1305.755+/-0.275 χ^2/NDF: 514602.8/21

Left Out: 1291.211+/-0.208 χ^2/NDF:230735.1/24

Right Out: 1310.196+/-0.265 χ^2/NDF: 363097.7/26

Left In: 1314.006+/-0.217 χ^2/NDF:43044.7/22

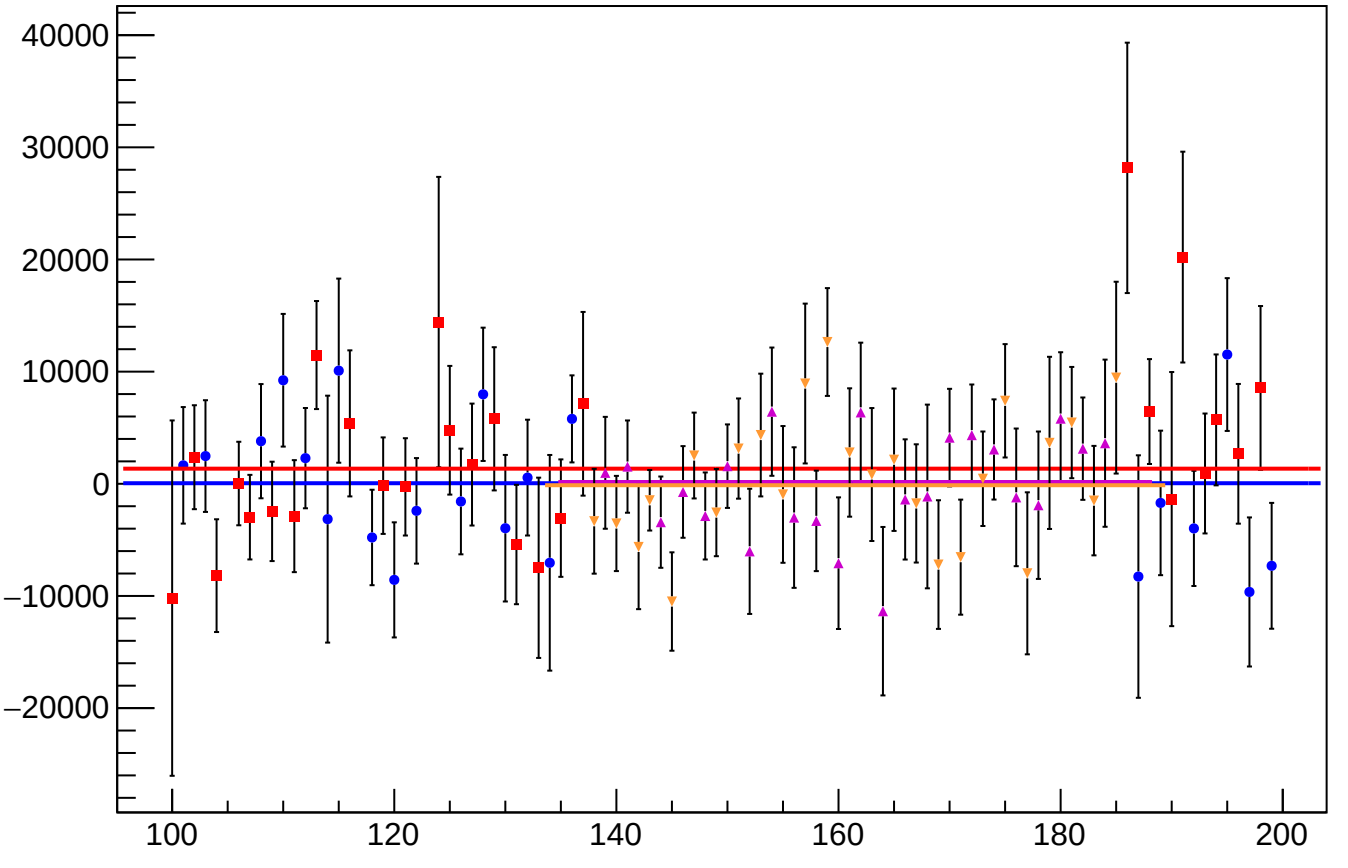
Left: 1302.123+/-0.150 χ^2/NDF: 279525.5/47

Right: 1308.059+/-0.191 χ^2/NDF: 877835.7/48

In: 1310.839+/-0.170 χ^2/NDF:558201.7/44

Out: 1298.452+/-0.164 χ^2/NDF:597008.5/51

All: 1304.394+/-0.118 χ^2/NDF: 1157958.5/96



Right In: 51.528+/-1183.391 χ^2/NDF: 22.5/21

Left Out: -127.273+/-977.231 χ^2/NDF:28.6/24

Right Out: 1349.010+/-1068.322 χ^2/NDF: 30.7/26

Left In: 159.452+/-1045.510 χ^2/NDF:13.8/22

Left: 6.422+/-713.925 χ^2/NDF: 42.4/47

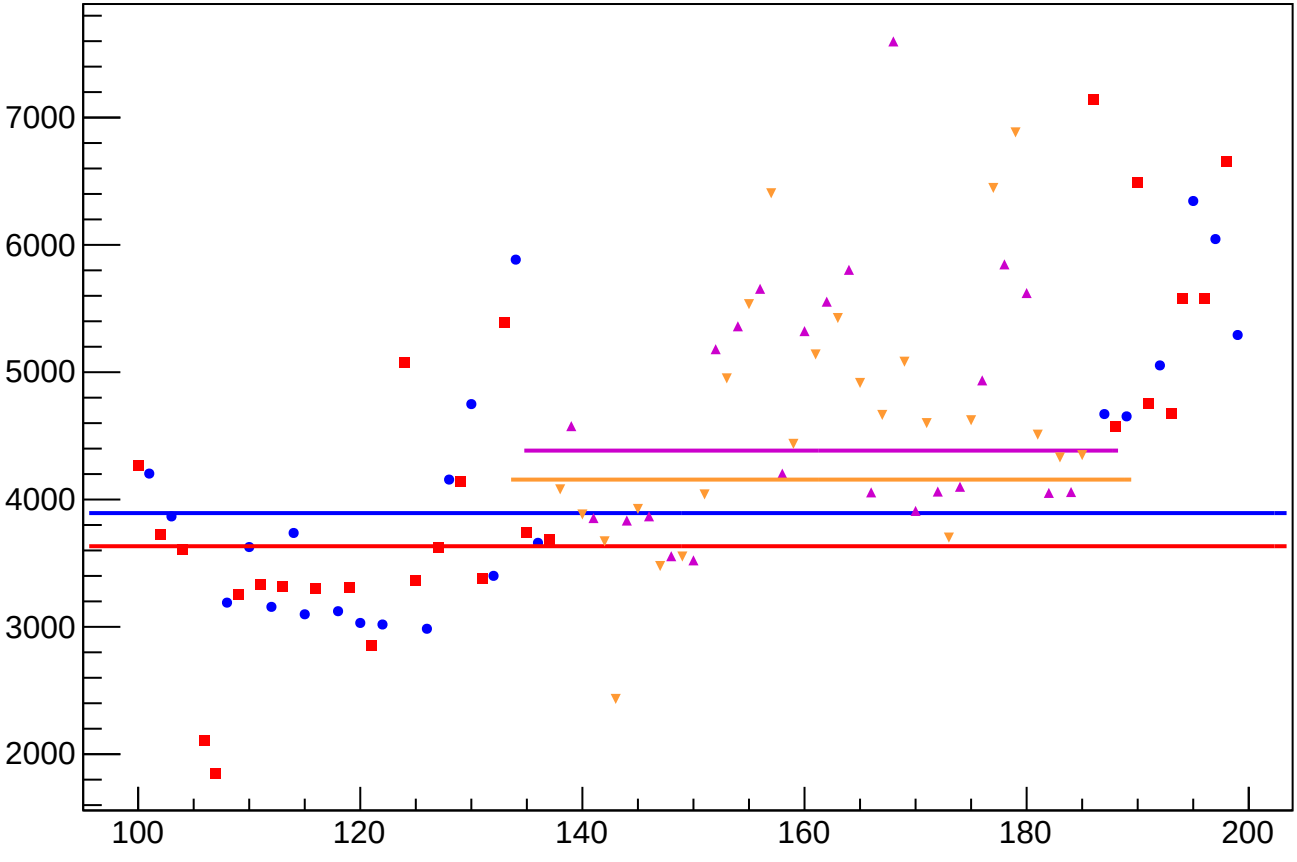
Right: 766.401+/-792.987 χ^2/NDF: 53.8/48

In: 112.141+/-783.522 χ^2/NDF:36.3/44

Out: 545.257+/-721.063 χ^2/NDF:60.3/51

All: 346.648+/-530.578 χ^2/NDF: 96.7/96

asym_atl_dd_atr_dd_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 3893.471+/-0.837 χ^2/NDF: 1271158.3/21

Left Out: 4156.582+/-0.691 χ^2/NDF:2080766.1/24

Right Out: 3633.326+/-0.755 χ^2/NDF: 2311441.1/26

Left In: 4384.323+/-0.739 χ^2/NDF:1255470.8/22

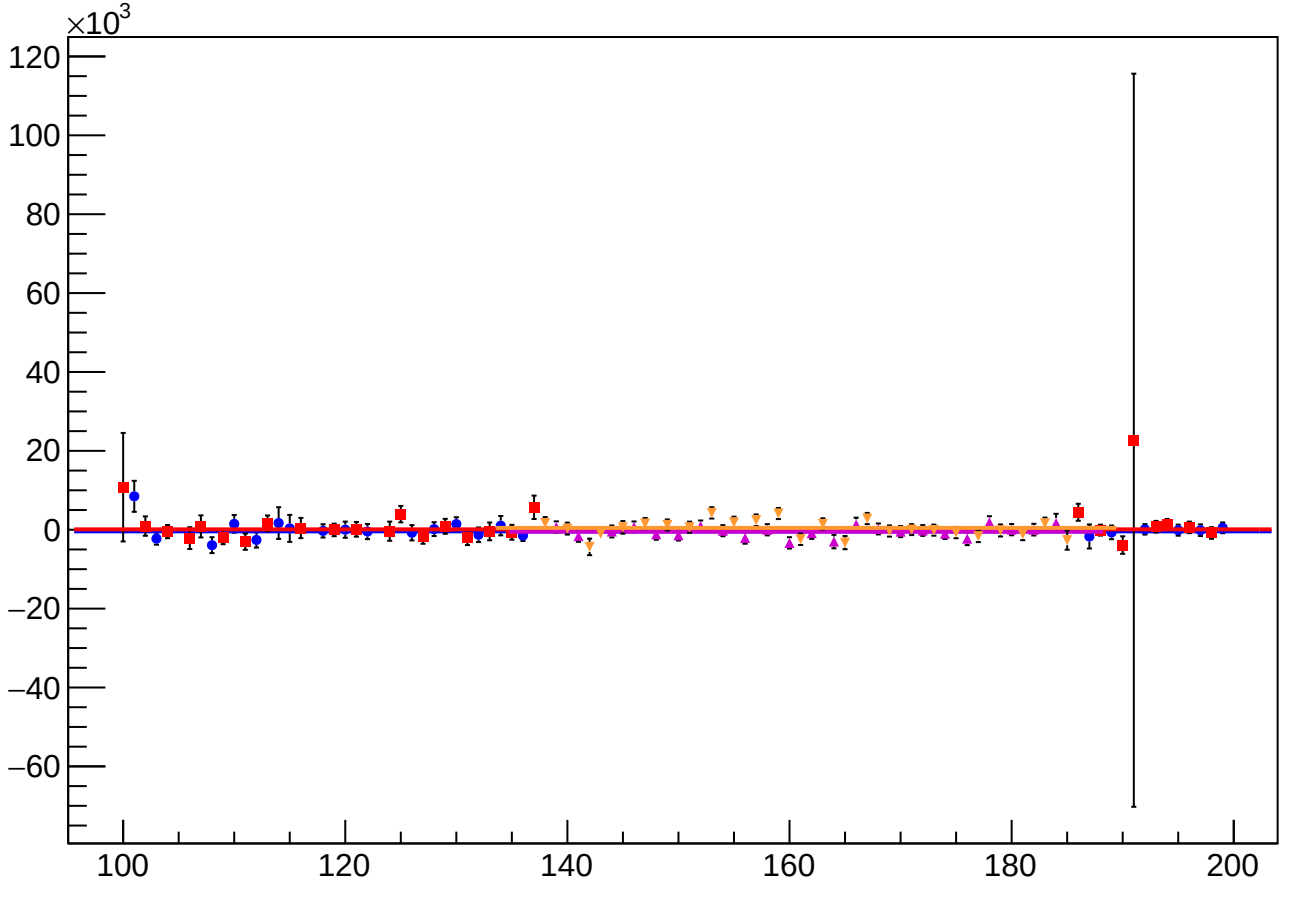
Left: 4262.773+/-0.505 χ^2/NDF: 3386885.6/47

Right: 3750.139+/-0.561 χ^2/NDF: 3635851.0/48

In: 4169.146+/-0.554 χ^2/NDF:2719879.3/44

Out: 3918.209+/-0.510 χ^2/NDF:4653427.1/51

All: 4033.278+/-0.375 χ^2/NDF: 7484379.0/96



Right In: -406.817+/-389.065 χ^2/NDF: 15.1/21

Left Out: 467.933+/-294.257 χ^2/NDF:44.1/24

Right Out: 93.319+/-374.882 χ^2/NDF: 24.0/26

Left In: -503.558+/-307.056 χ^2/NDF:17.4/22

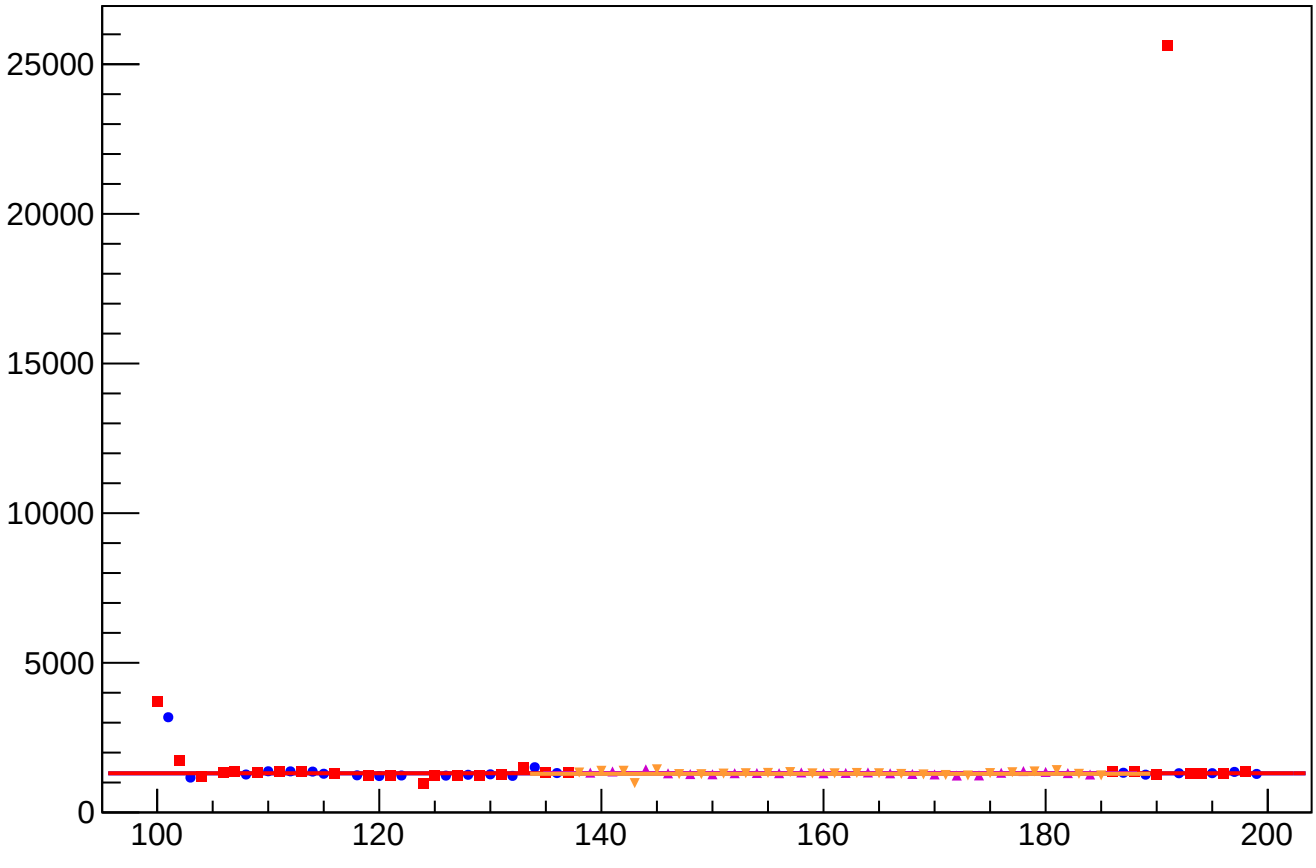
Left: 2.855+/-212.452 χ^2/NDF: 66.7/47

Right: -147.467+/-269.957 χ^2/NDF: 40.0/48

In: -466.429+/-241.033 χ^2/NDF:32.6/44

Out: 325.117+/-231.468 χ^2/NDF:68.7/51

All: -54.638+/-166.952 χ^2/NDF: 106.9/96



Right In: 1305.755+/-0.275 χ^2/NDF: 514603.0/21

Left Out: 1291.212+/-0.208 χ^2/NDF:230737.6/24

Right Out: 1310.196+/-0.265 χ^2/NDF: 363098.0/26

Left In: 1314.007+/-0.217 χ^2/NDF:43046.8/22

Left: 1302.125+/-0.150 χ^2/NDF: 279530.2/47

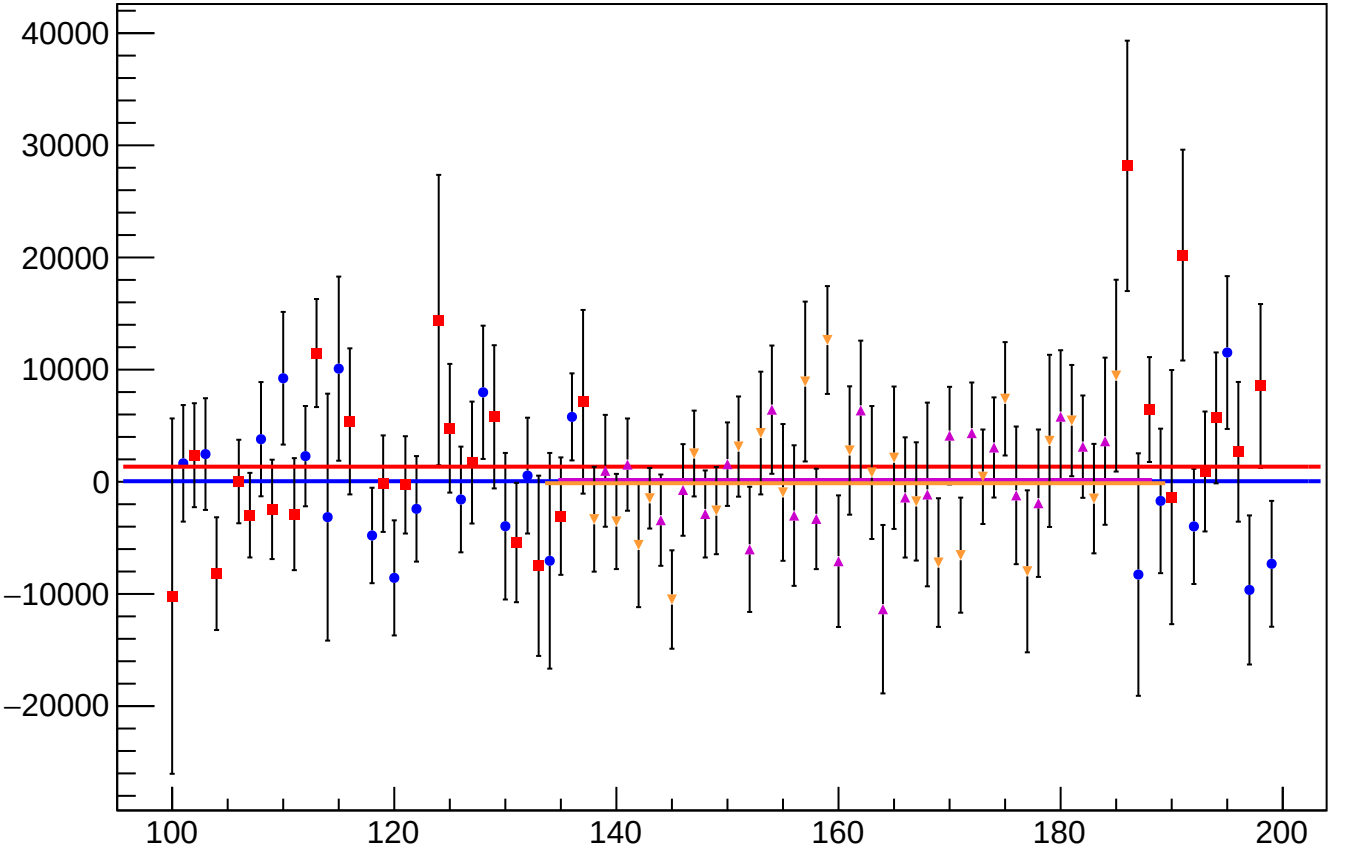
Right: 1308.059+/-0.191 χ^2/NDF: 877836.2/48

In: 1310.840+/-0.170 χ^2/NDF:558204.2/44

Out: 1298.453+/-0.164 χ^2/NDF:597010.9/51

All: 1304.395+/-0.118 χ^2/NDF: 1157963.4/96

asym_atl_dd_atr_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 51.522+/-1183.389 χ^2/NDF: 22.5/21

Left Out: -127.271+/-977.232 χ^2/NDF:28.6/24

Right Out: 1349.002+/-1068.321 χ^2/NDF: 30.7/26

Left In: 159.454+/-1045.511 χ^2/NDF:13.8/22

Left: 6.424+/-713.926 χ^2/NDF: 42.4/47

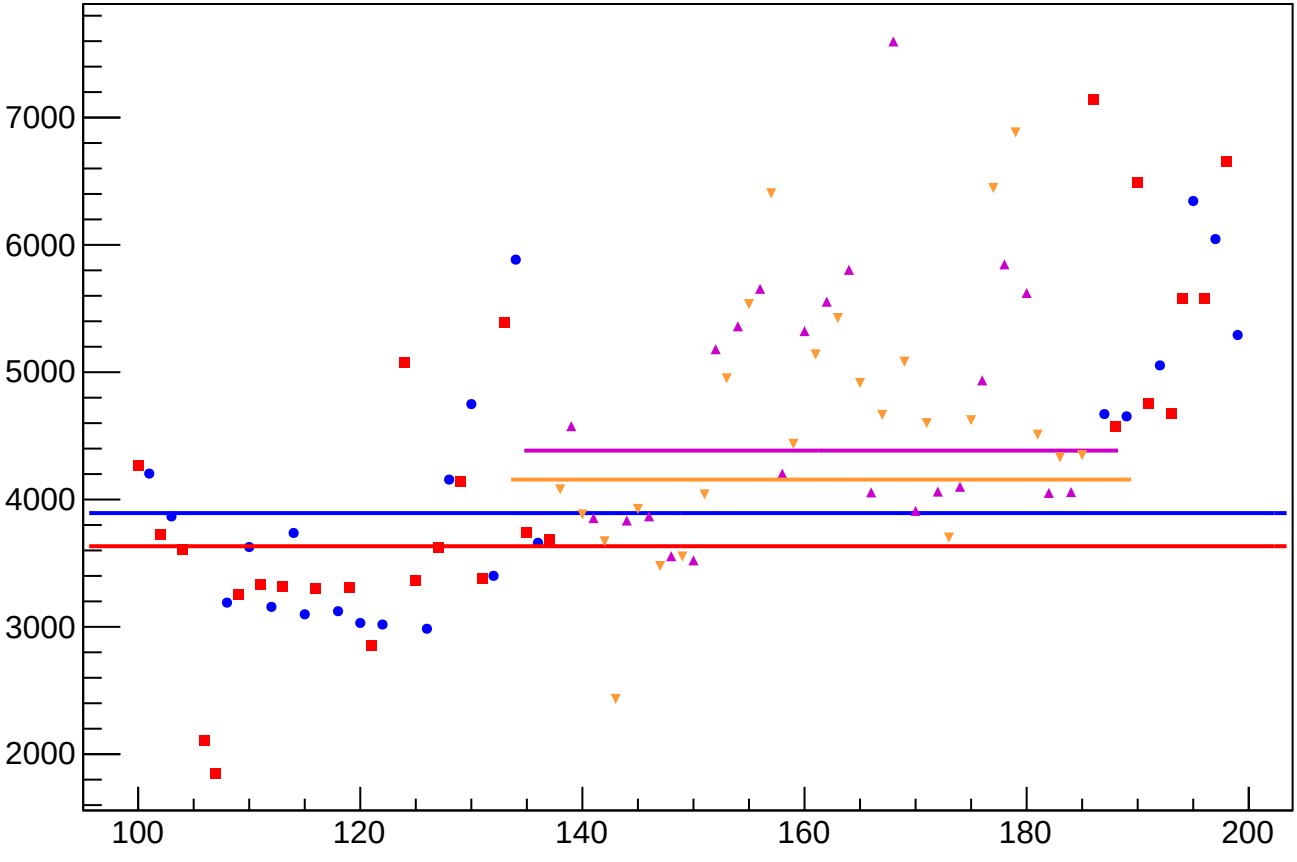
Right: 766.394+/-792.986 χ^2/NDF: 53.8/48

In: 112.139+/-783.522 χ^2/NDF:36.3/44

Out: 545.257+/-721.064 χ^2/NDF:60.3/51

All: 346.647+/-530.578 χ^2/NDF: 96.7/96

asym_atl_dd_atr_dd_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 3893.463+/-0.837 χ^2/NDF: 1271176.6/21

Left Out: 4156.588+/-0.691 χ^2/NDF:2080769.0/24

Right Out: 3633.318+/-0.755 χ^2/NDF: 2311456.9/26

Left In: 4384.329+/-0.739 χ^2/NDF:1255475.0/22

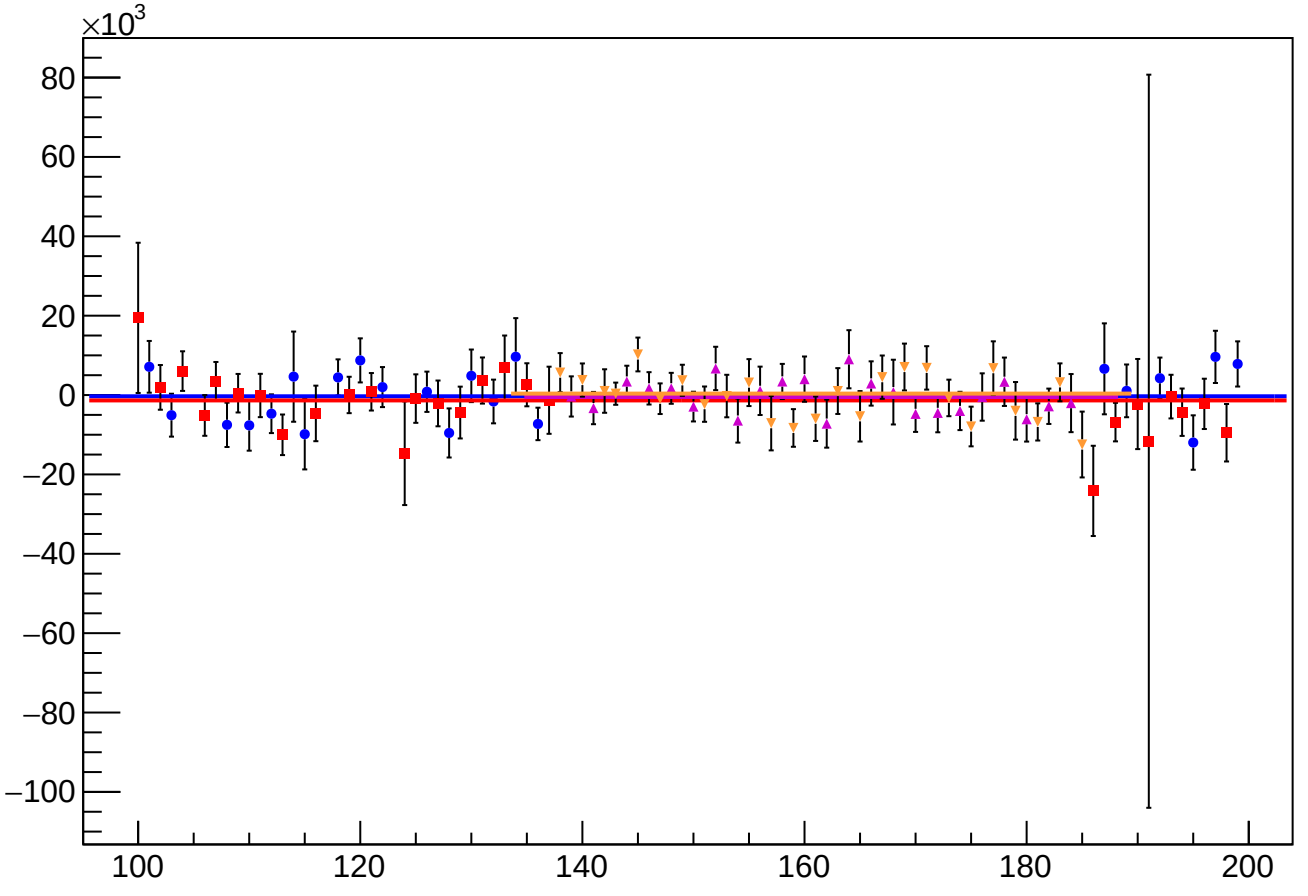
Left: 4262.780+/-0.505 χ^2/NDF: 3386892.6/47

Right: 3750.131+/-0.561 χ^2/NDF: 3635885.0/48

In: 4169.145+/-0.554 χ^2/NDF:2719913.5/44

Out: 3918.208+/-0.510 χ^2/NDF:4653459.7/51

All: 4033.278+/-0.375 χ^2/NDF: 7484445.8/96



Right In: -313.427+/-1259.402 χ^2/NDF: 26.5/21

Left Out: 362.528+/-979.860 χ^2/NDF:27.7/24

Right Out: -1352.994+/-1175.781 χ^2/NDF: 19.3/26

Left In: -497.522+/-1044.707 χ^2/NDF:13.9/22

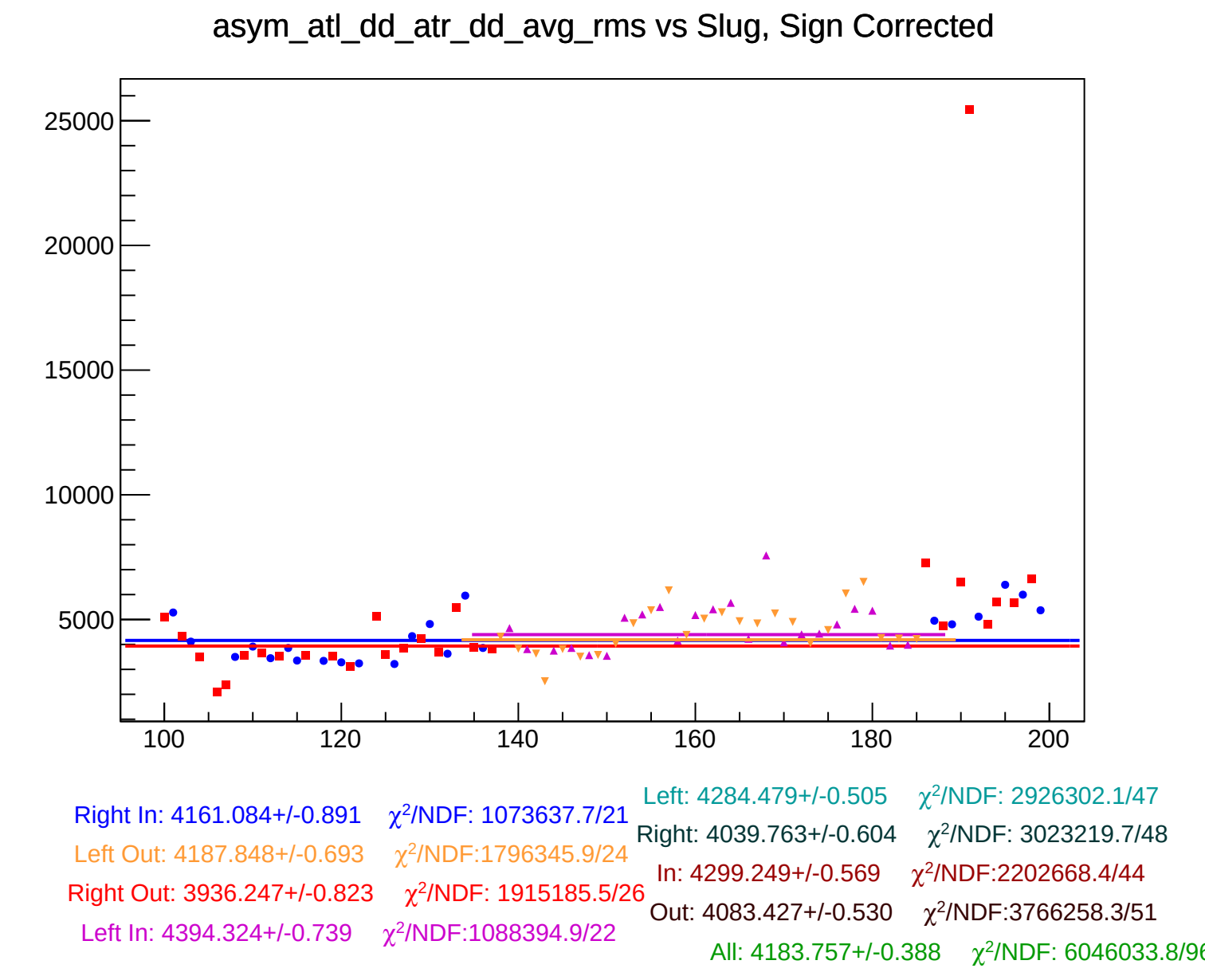
Left: -39.978+/-714.692 χ^2/NDF: 41.9/47

Right: -868.866+/-859.445 χ^2/NDF: 46.1/48

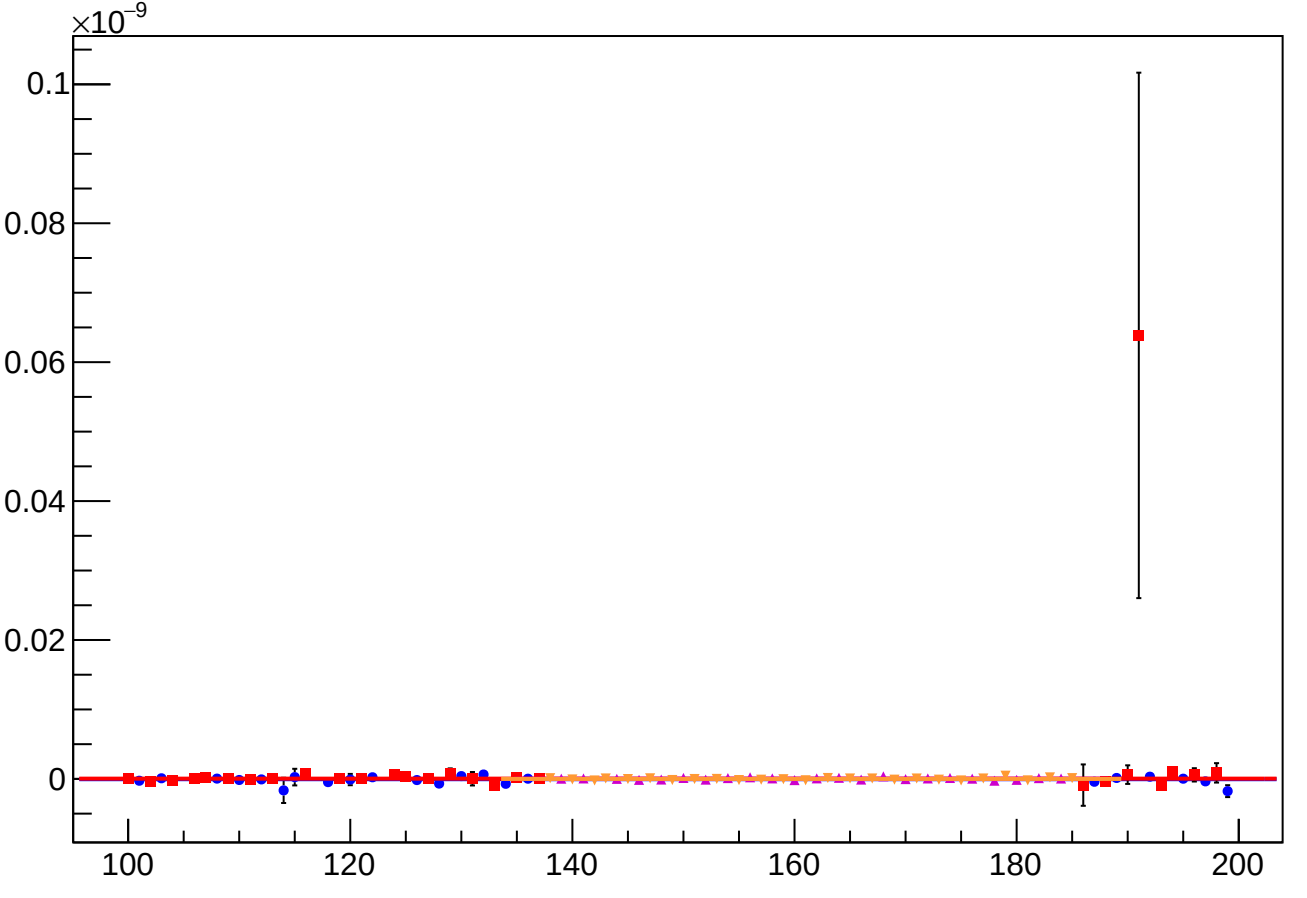
In: -422.481+/-804.069 χ^2/NDF:40.4/44

Out: -340.592+/-752.736 χ^2/NDF:48.2/51

All: -378.839+/-549.517 χ^2/NDF: 88.5/96


asym_atl_dd_atr_dd_avg_rms vs Slug, Sign Corrected
25000
20000
15000
10000
5000
100
120
140
160
180
200
Right In: 4161.084+/-0.891 χ²/NDF: 1073637.7/21
Left Out: 4187.848+/-0.693 χ²/NDF:1796345.9/24
Right Out: 3936.247+/-0.823 χ²/NDF: 1915185.5/26
Left In: 4394.324+/-0.739 χ²/NDF:1088394.9/22
Left: 4284.479+/-0.505 χ²/NDF: 2926302.1/47
Right: 4039.763+/-0.604 χ²/NDF: 3023219.7/48
In: 4299.249+/-0.569 χ²/NDF:2202668.4/44
Out: 4083.427+/-0.530 χ²/NDF:3766258.3/51
All: 4183.757+/-0.388 χ²/NDF: 6046033.8/96

asym_atl_dd_atr_dd_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 22.4/21

Left Out: -0.000+/-0.000 χ^2/NDF:30.5/24

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

Left In: 0.000+/-0.000 χ^2/NDF:17.0/22

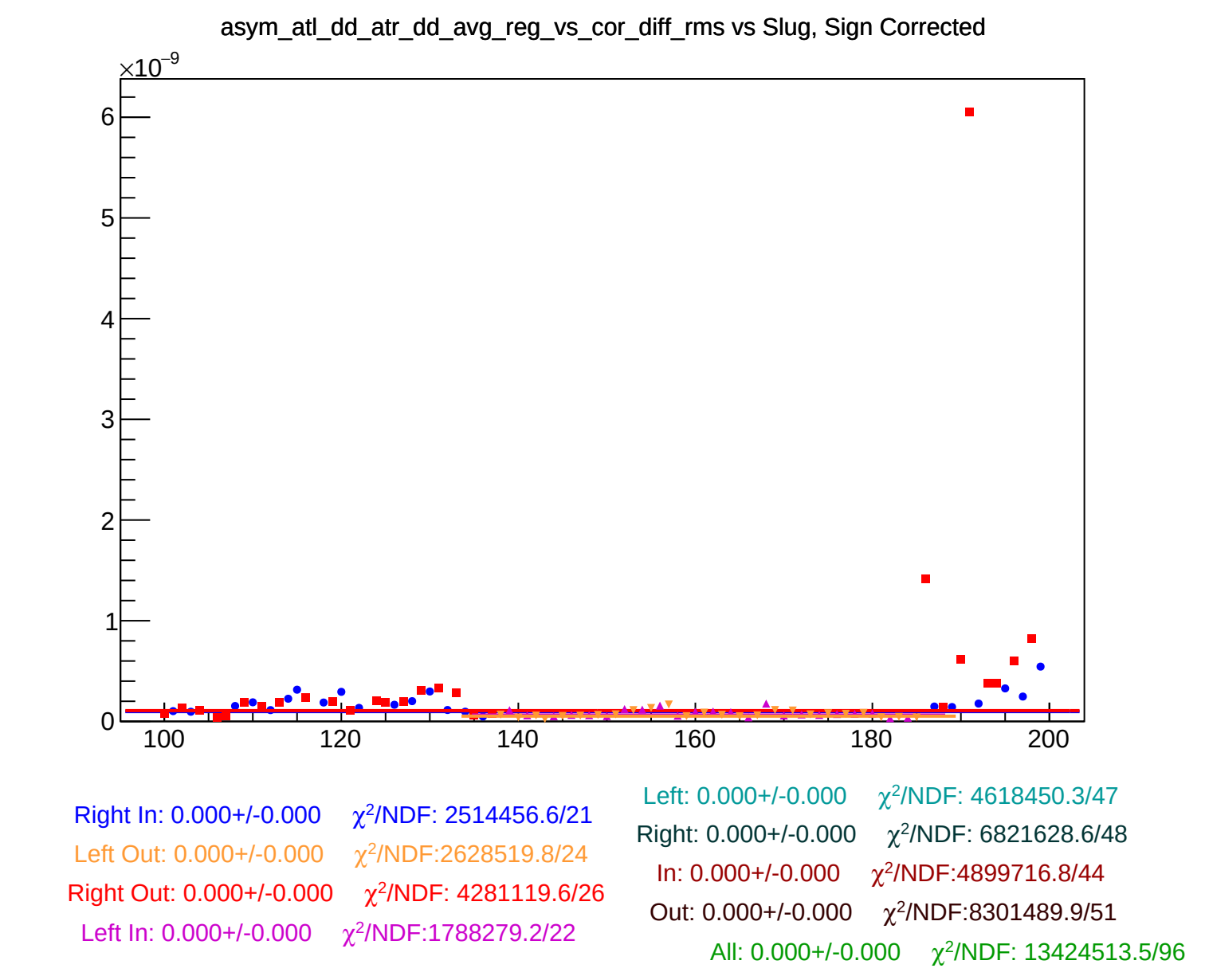
Left: 0.000+/-0.000 χ^2/NDF: 48.0/47

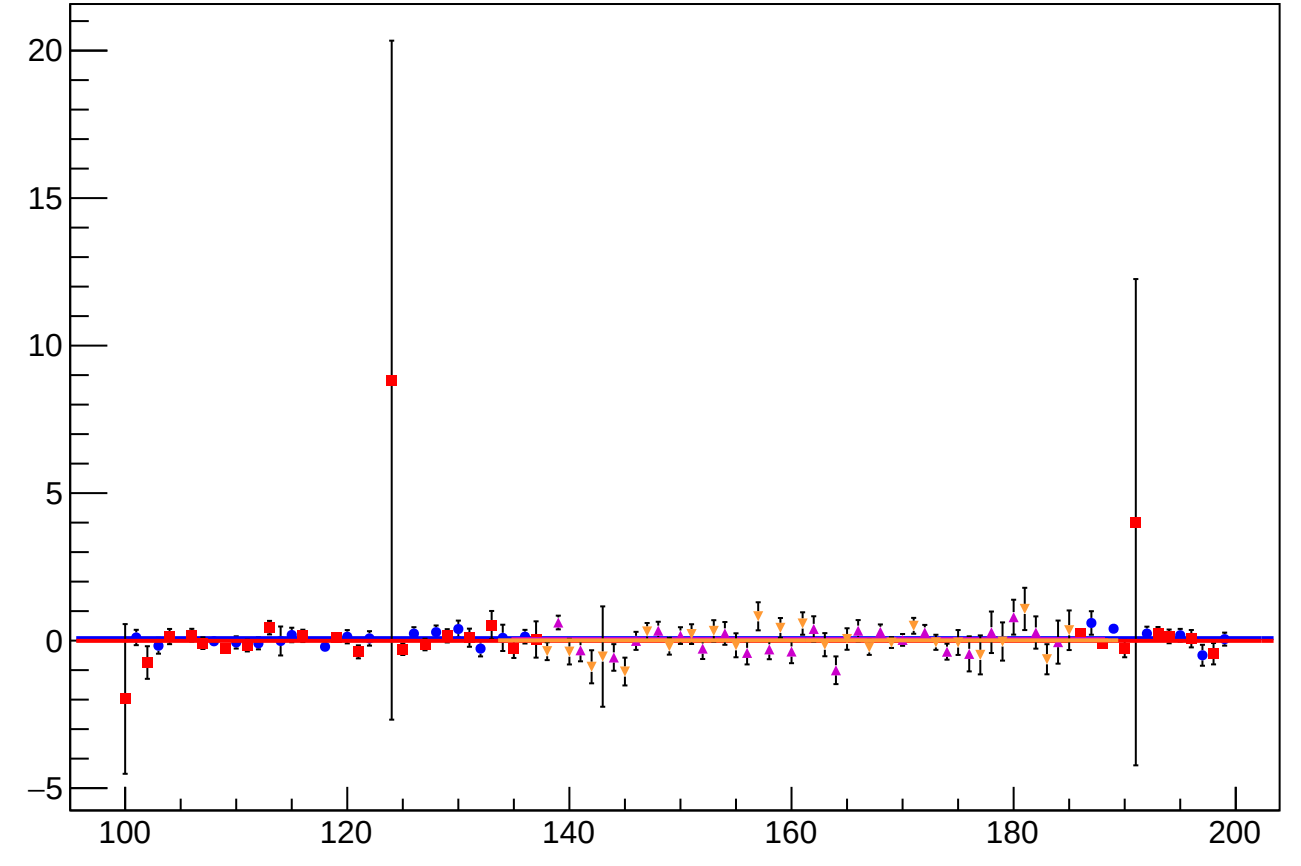
Right: -0.000+/-0.000 χ^2/NDF: 49.9/48

In: 0.000+/-0.000 χ^2/NDF:40.5/44

Out: 0.000+/-0.000 χ^2/NDF:57.3/51

All: 0.000+/-0.000 χ^2/NDF: 98.0/96


asym_atl_dd_atr_dd_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−9
6
5
4
3
2
1
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 2514456.6/21
Left Out: 0.000+/-0.000 χ²/NDF:2628519.8/24
Right Out: 0.000+/-0.000 χ²/NDF: 4281119.6/26
Left In: 0.000+/-0.000 χ²/NDF:1788279.2/22
Left: 0.000+/-0.000 χ²/NDF: 4618450.3/47
Right: 0.000+/-0.000 χ²/NDF: 6821628.6/48
In: 0.000+/-0.000 χ²/NDF:4899716.8/44
Out: 0.000+/-0.000 χ²/NDF:8301489.9/51
All: 0.000+/-0.000 χ²/NDF: 13424513.5/96



Right In: 0.084+/-0.049 χ^2/NDF: 19.8/21

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.008+/-0.042 χ^2/NDF: 29.0/26

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

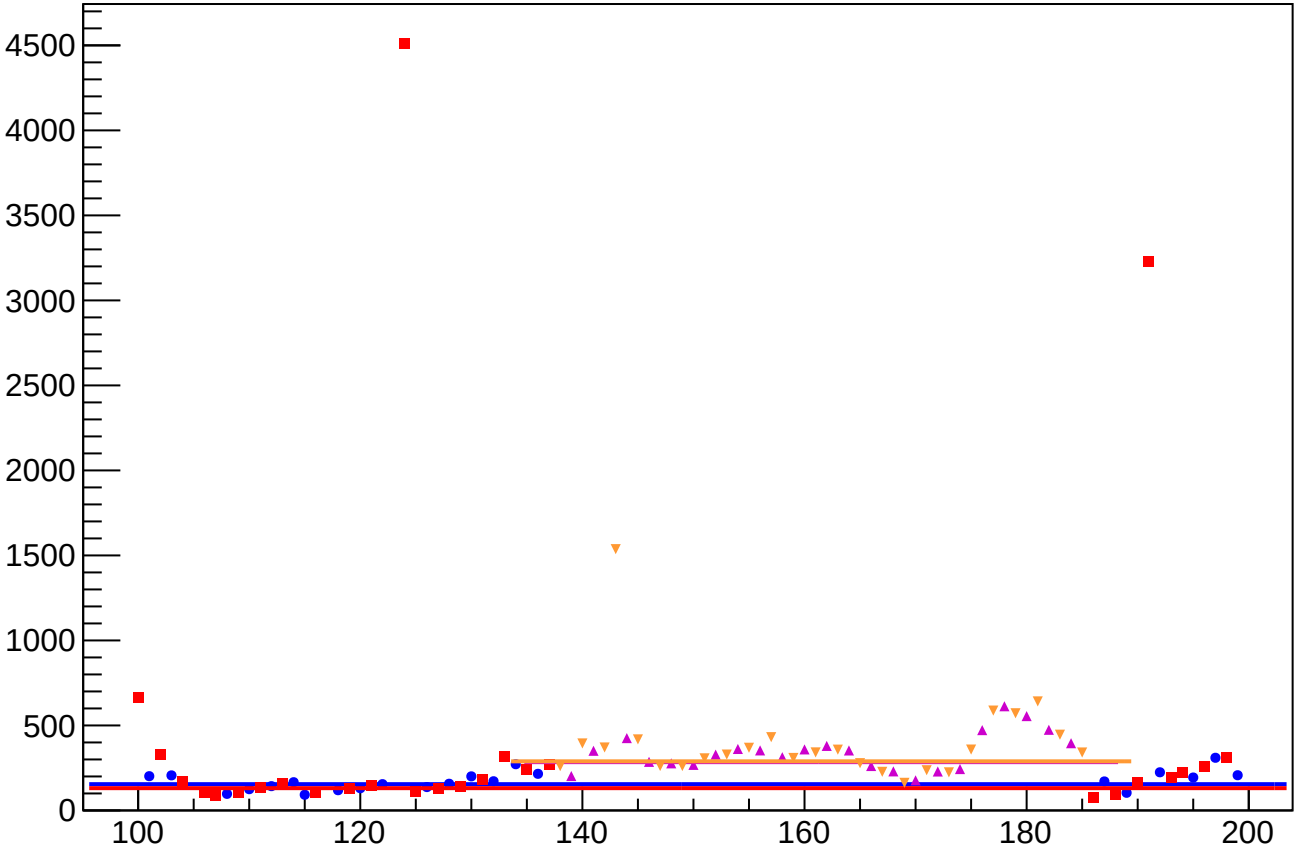
Right: 0.031+/-0.032 χ^2/NDF: 50.9/48

In: 0.074+/-0.040 χ^2/NDF:47.7/44

Out: -0.004+/-0.036 χ^2/NDF:57.9/51

All: 0.031+/-0.027 χ^2/NDF: 107.7/96

asym_atl_dd_atr_dd_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 154.609+/-0.035 χ^2/NDF: 2003104.1/21

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

Right Out: 131.106+/-0.030 χ^2/NDF: 3952543.6/26

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

Left: 286.524+/-0.035 χ^2/NDF: 7730236.9/47

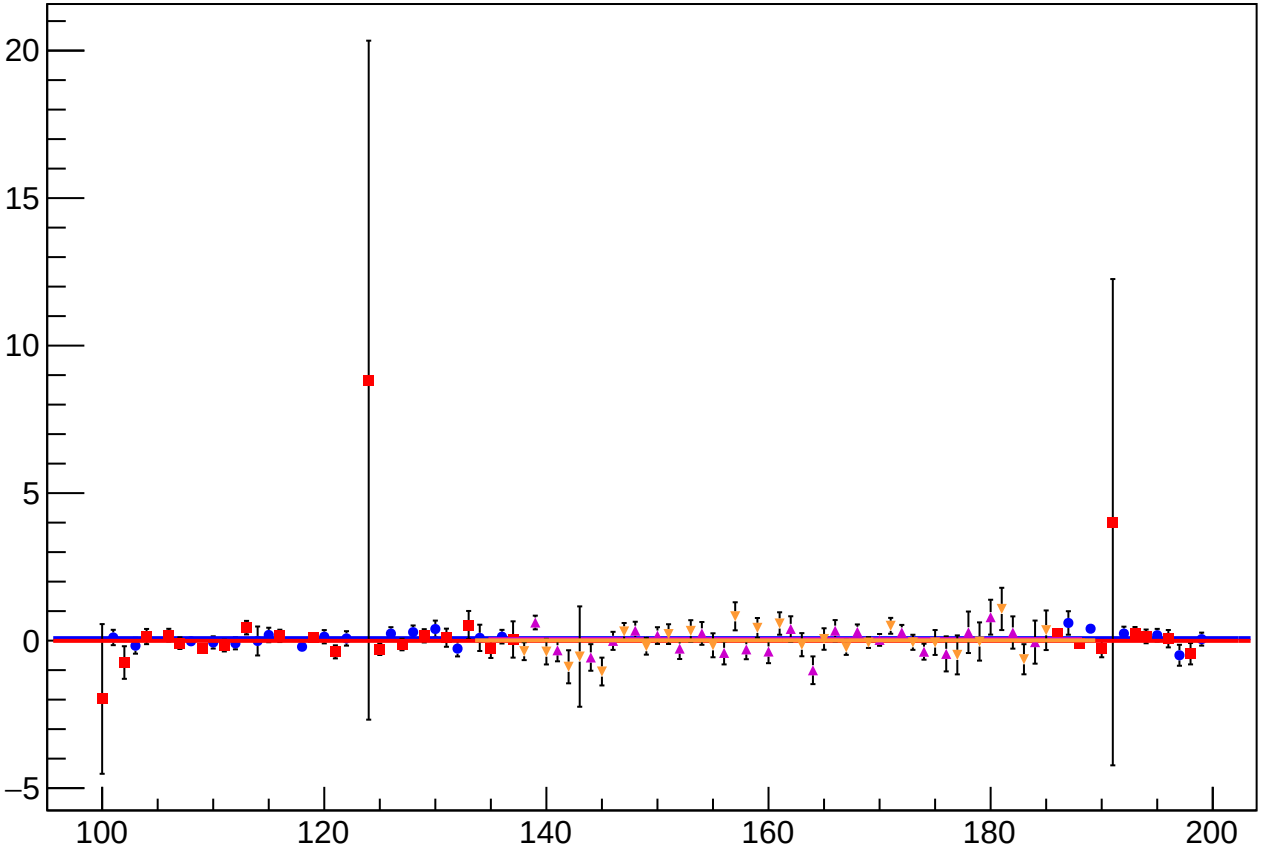
Right: 141.088+/-0.023 χ^2/NDF: 6221725.9/48

In: 196.742+/-0.028 χ^2/NDF:9650826.7/44

Out: 171.993+/-0.026 χ^2/NDF:15918226.6/51

All: 183.073+/-0.019 χ^2/NDF: 25988768.1/96

asym_atl_dd_atr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.084+/-0.049 χ^2/NDF: 19.8/21

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.008+/-0.042 χ^2/NDF: 29.0/26

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

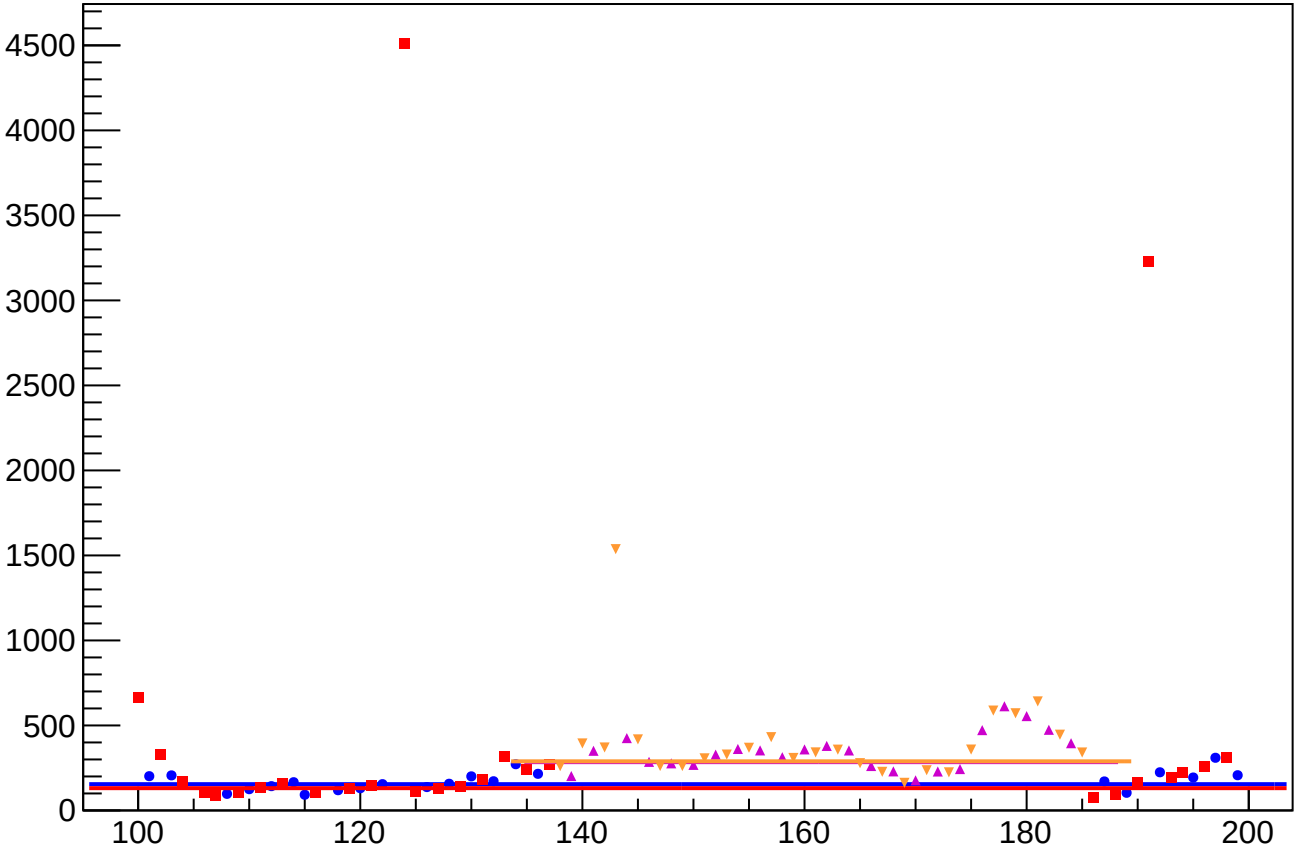
Right: 0.031+/-0.032 χ^2/NDF: 50.9/48

In: 0.074+/-0.040 χ^2/NDF:47.7/44

Out: -0.004+/-0.036 χ^2/NDF:57.9/51

All: 0.031+/-0.027 χ^2/NDF: 107.7/96

asym_atl_dd_atr_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 154.609+/-0.035 χ^2/NDF: 2003104.1/21

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

Right Out: 131.106+/-0.030 χ^2/NDF: 3952543.6/26

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

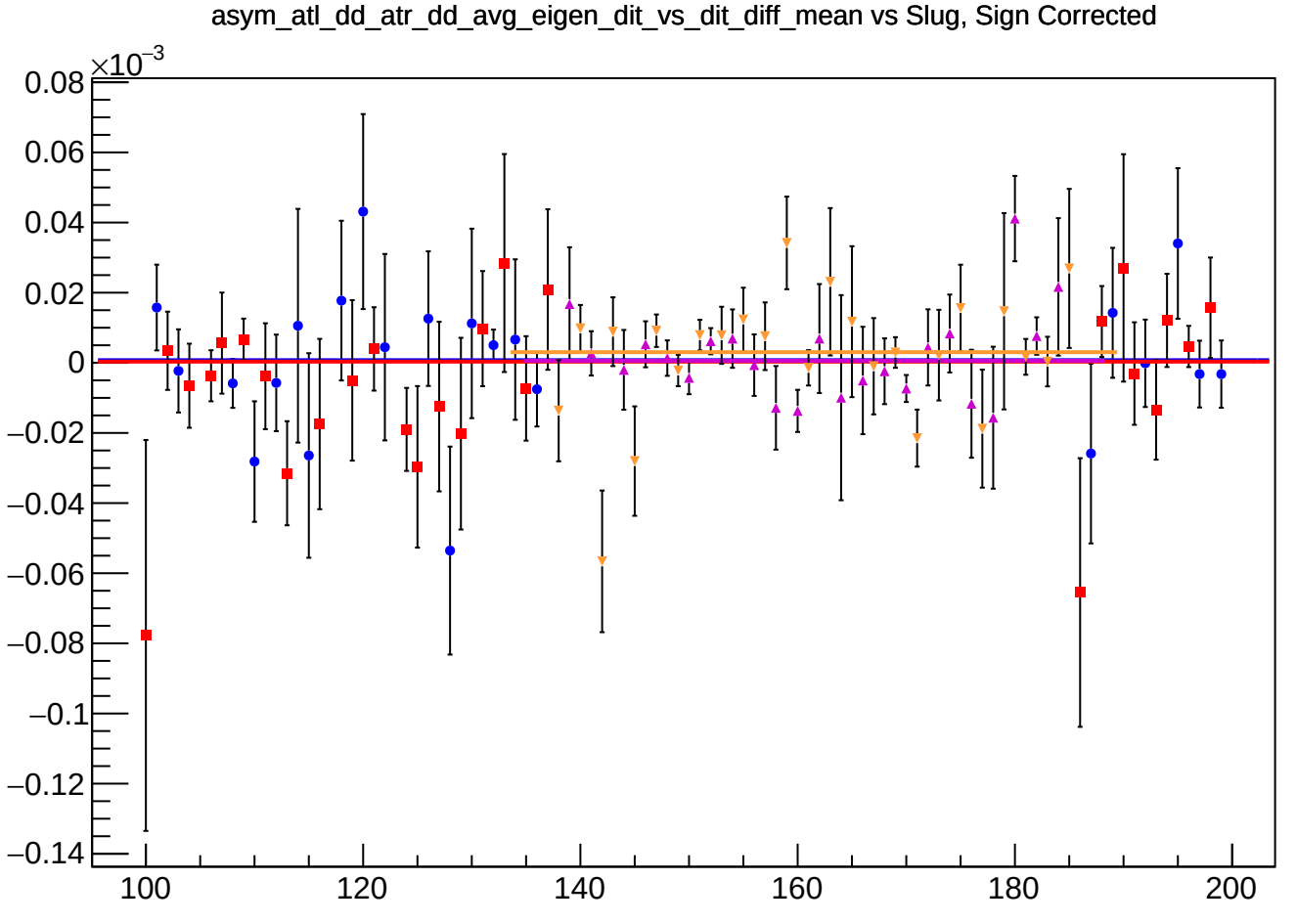
Left: 286.524+/-0.035 χ^2/NDF: 7730236.9/47

Right: 141.088+/-0.023 χ^2/NDF: 6221725.9/48

In: 196.742+/-0.028 χ^2/NDF:9650826.7/44

Out: 171.993+/-0.026 χ^2/NDF:15918226.6/51

All: 183.073+/-0.019 χ^2/NDF: 25988768.1/96



Right In: 0.000+/-0.000 χ^2/NDF: 19.2/21

Left Out: 0.000+/-0.000 χ^2/NDF:42.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 25.1/26

Left In: 0.000+/-0.000 χ^2/NDF:33.2/22

Left: 0.000+/-0.000 χ^2/NDF: 76.7/47

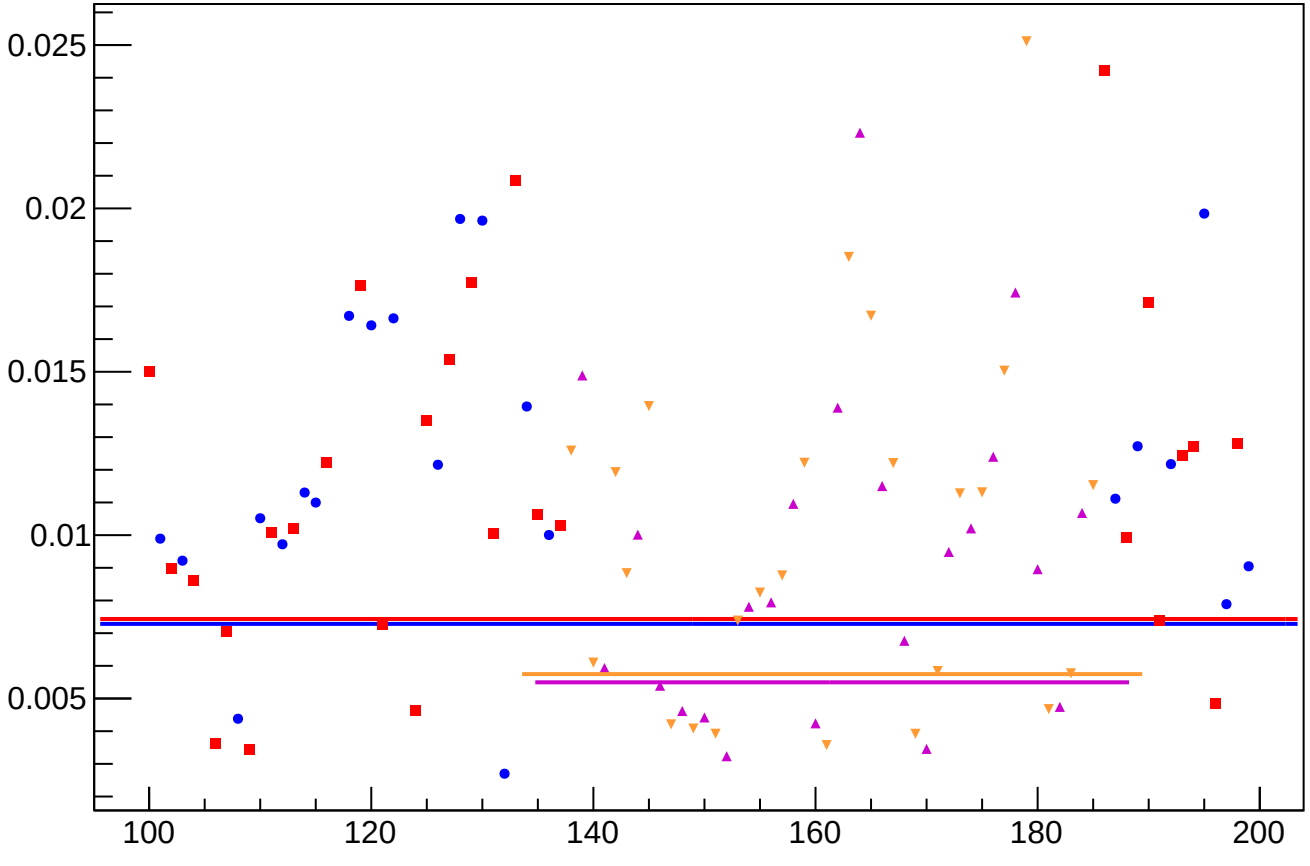
Right: 0.000+/-0.000 χ^2/NDF: 44.3/48

In: 0.000+/-0.000 χ^2/NDF:52.4/44

Out: 0.000+/-0.000 χ^2/NDF:68.2/51

All: 0.000+/-0.000 χ^2/NDF: 121.4/96

asym_atl_dd_atr_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 6117465.6/21

Left Out: 0.006+/-0.000 χ^2/NDF:8128513.8/24

Right Out: 0.007+/-0.000 χ^2/NDF: 5374345.7/26

Left In: 0.005+/-0.000 χ^2/NDF:6937299.0/22

Left: 0.006+/-0.000 χ^2/NDF: 15093250.6/47

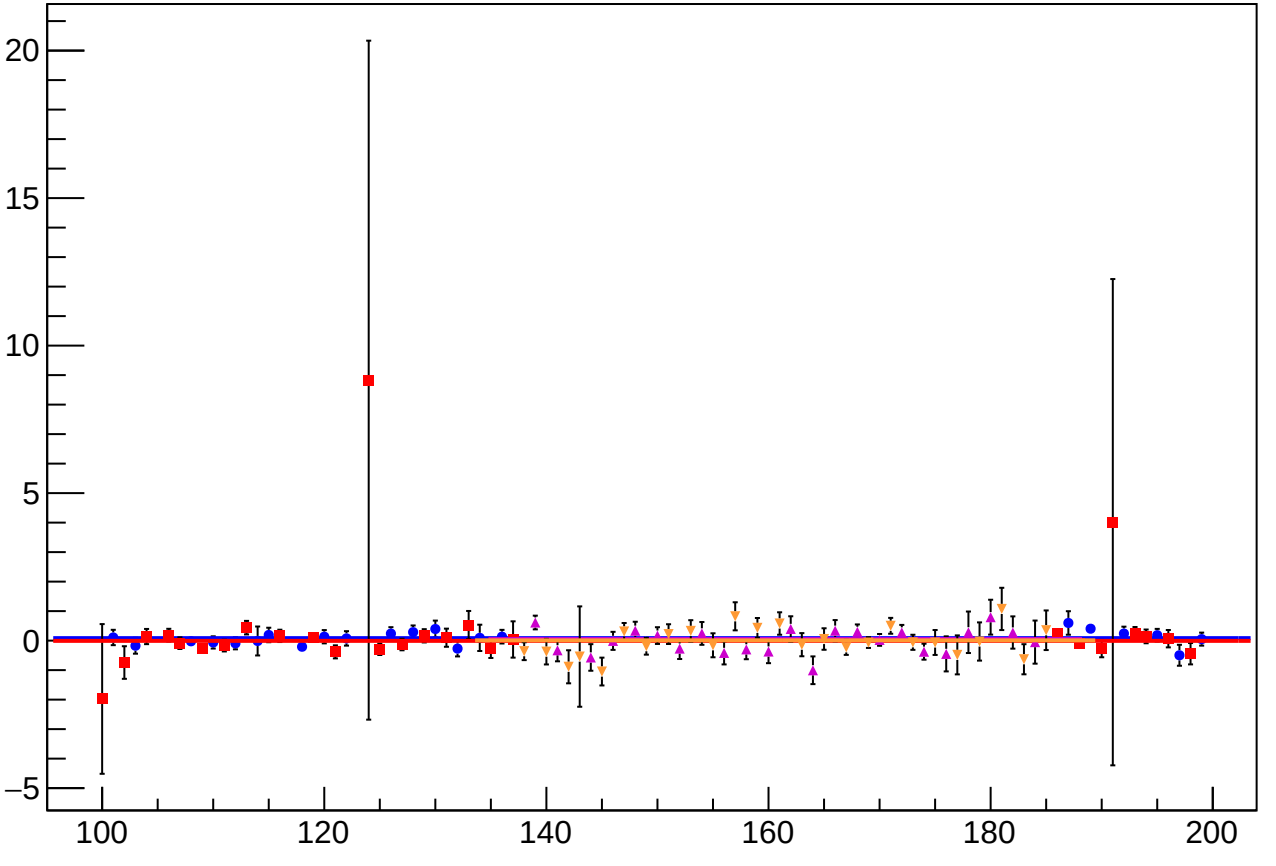
Right: 0.007+/-0.000 χ^2/NDF: 11495411.6/48

In: 0.006+/-0.000 χ^2/NDF:13774475.3/44

Out: 0.006+/-0.000 χ^2/NDF:14198612.3/51

All: 0.006+/-0.000 χ^2/NDF: 28015444.1/96

asym_atl_dd_atr_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.084+/-0.049 χ^2/NDF: 19.8/21

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.008+/-0.042 χ^2/NDF: 29.0/26

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

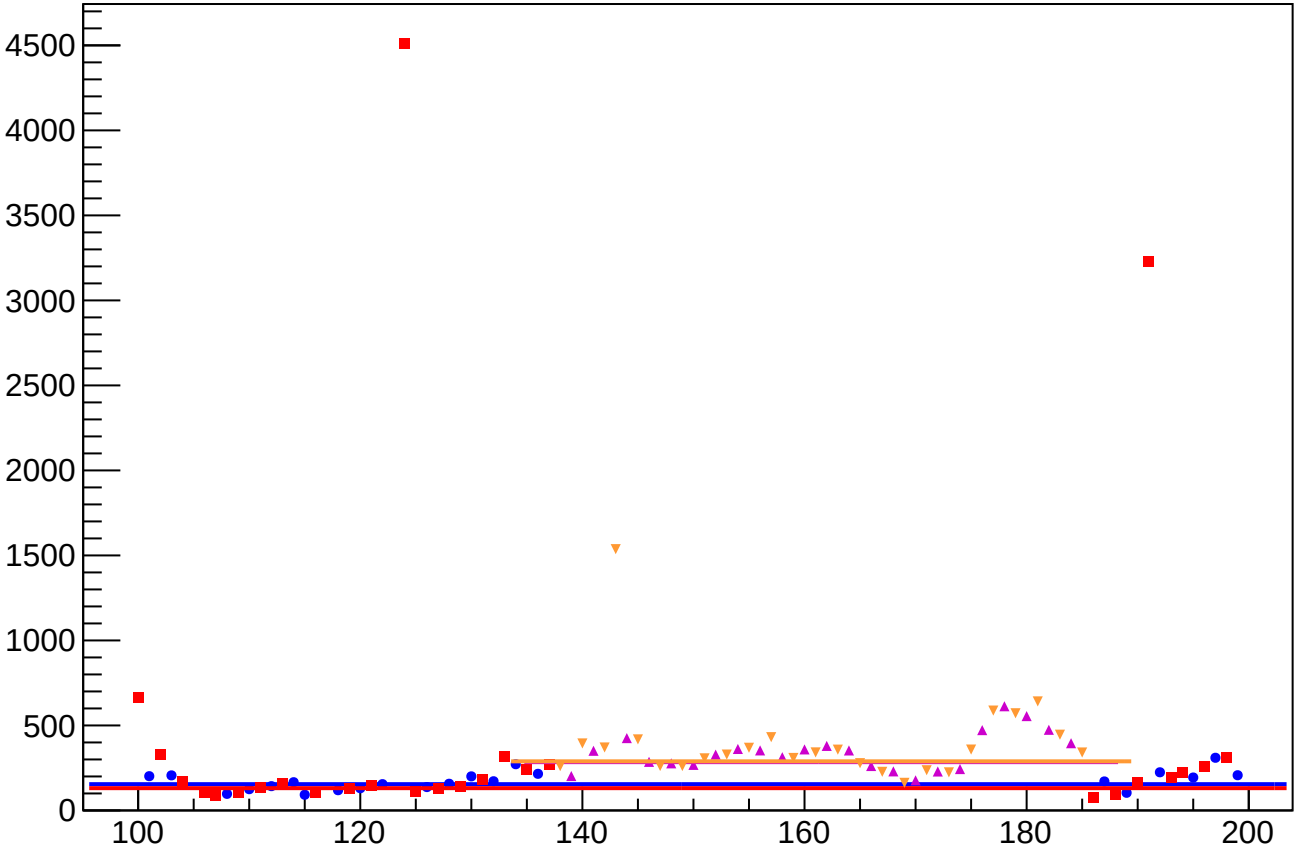
Right: 0.031+/-0.032 χ^2/NDF: 50.9/48

In: 0.074+/-0.040 χ^2/NDF:47.7/44

Out: -0.004+/-0.036 χ^2/NDF:57.9/51

All: 0.031+/-0.027 χ^2/NDF: 107.7/96

asym_atl_dd_atr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 154.609+/-0.035 χ^2/NDF: 2003087.0/21

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

Right Out: 131.107+/-0.030 χ^2/NDF: 3952371.6/26

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

Left: 286.525+/-0.035 χ^2/NDF: 7730531.8/47

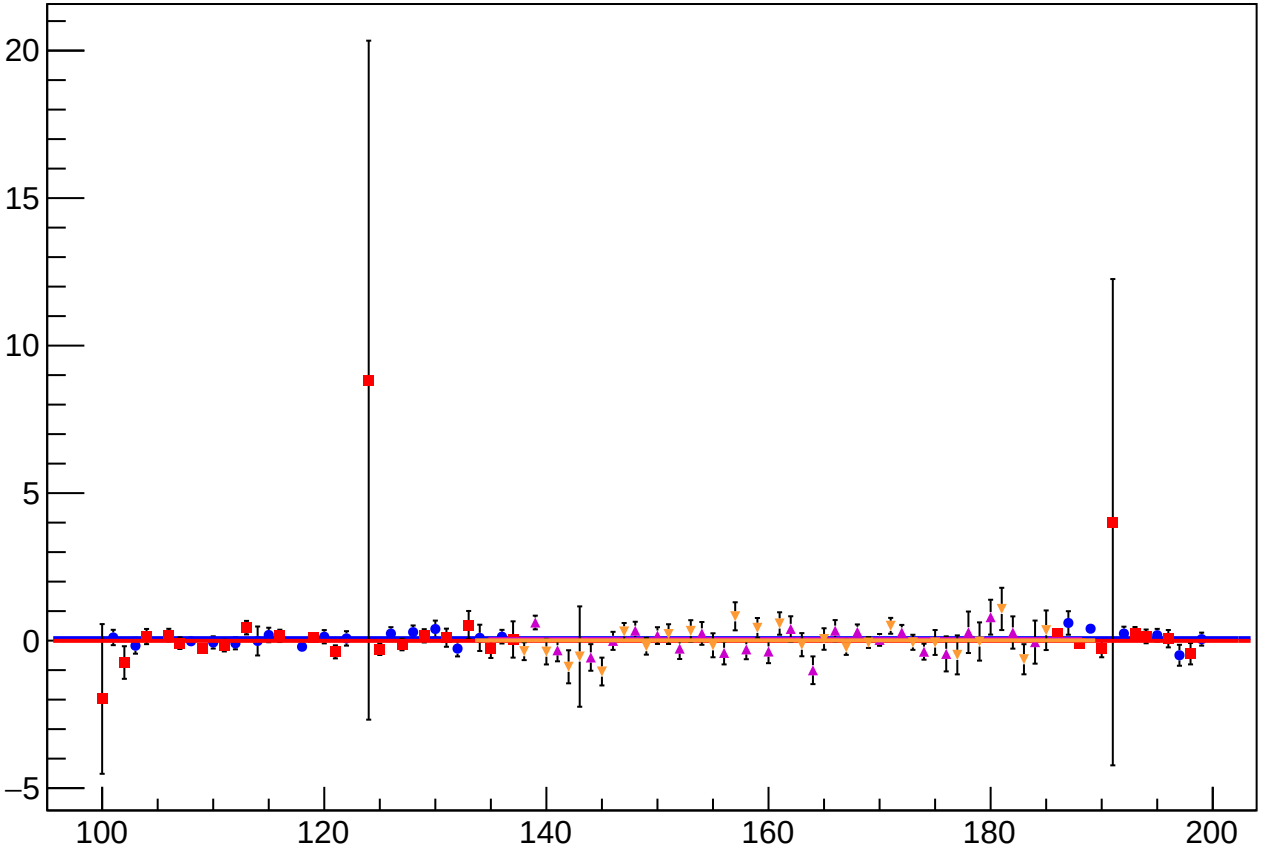
Right: 141.089+/-0.023 χ^2/NDF: 6221483.0/48

In: 196.741+/-0.028 χ^2/NDF:9651030.9/44

Out: 171.995+/-0.026 χ^2/NDF:15918031.3/51

All: 183.074+/-0.019 χ^2/NDF: 25988701.3/96

asym_atl_dd_atr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.084+/-0.049 χ^2/NDF: 19.8/21

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.008+/-0.042 χ^2/NDF: 29.0/26

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

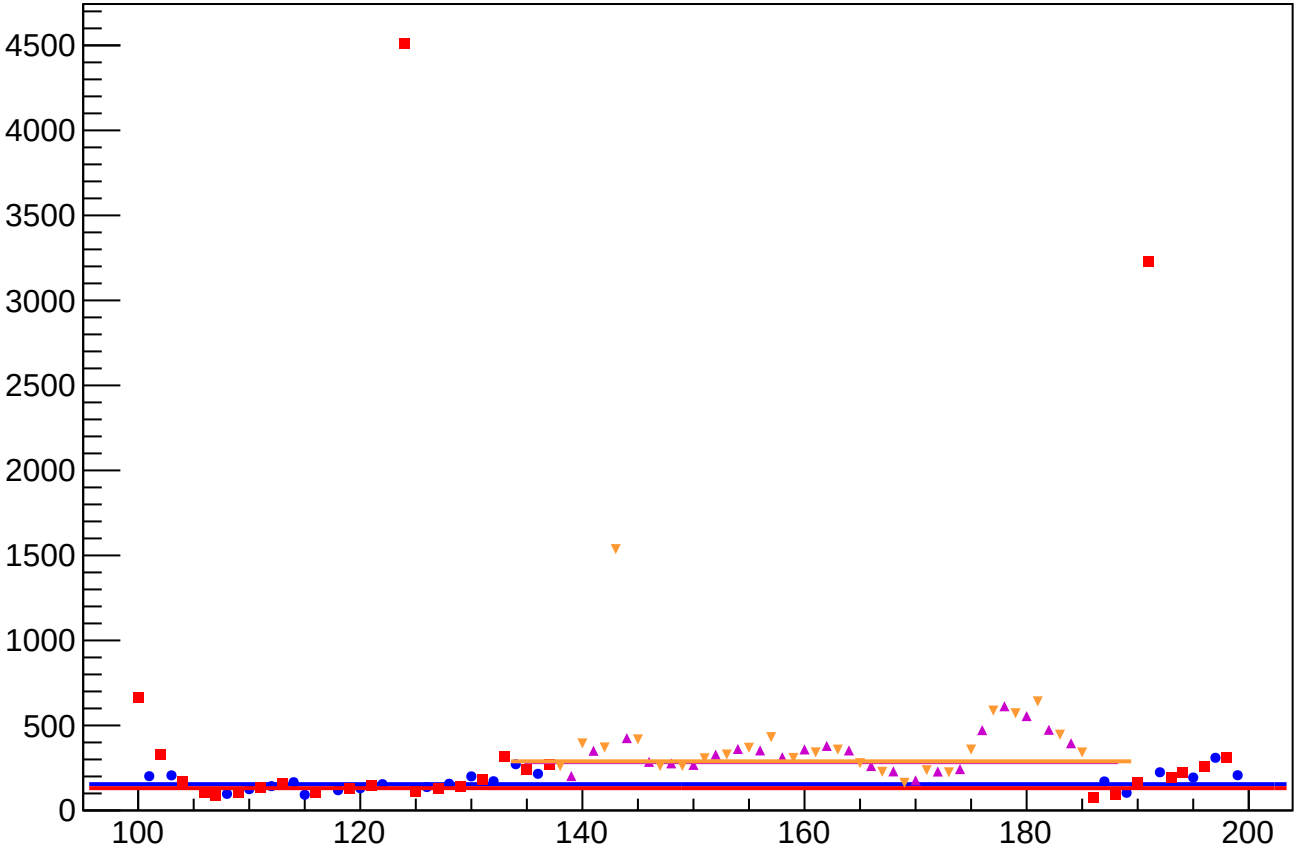
Right: 0.031+/-0.032 χ^2/NDF: 50.9/48

In: 0.074+/-0.040 χ^2/NDF:47.7/44

Out: -0.004+/-0.036 χ^2/NDF:57.9/51

All: 0.031+/-0.027 χ^2/NDF: 107.7/96

asym_atl_dd_atr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 154.609+/-0.035 χ^2/NDF: 2003087.0/21

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

Right Out: 131.107+/-0.030 χ^2/NDF: 3952371.6/26

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

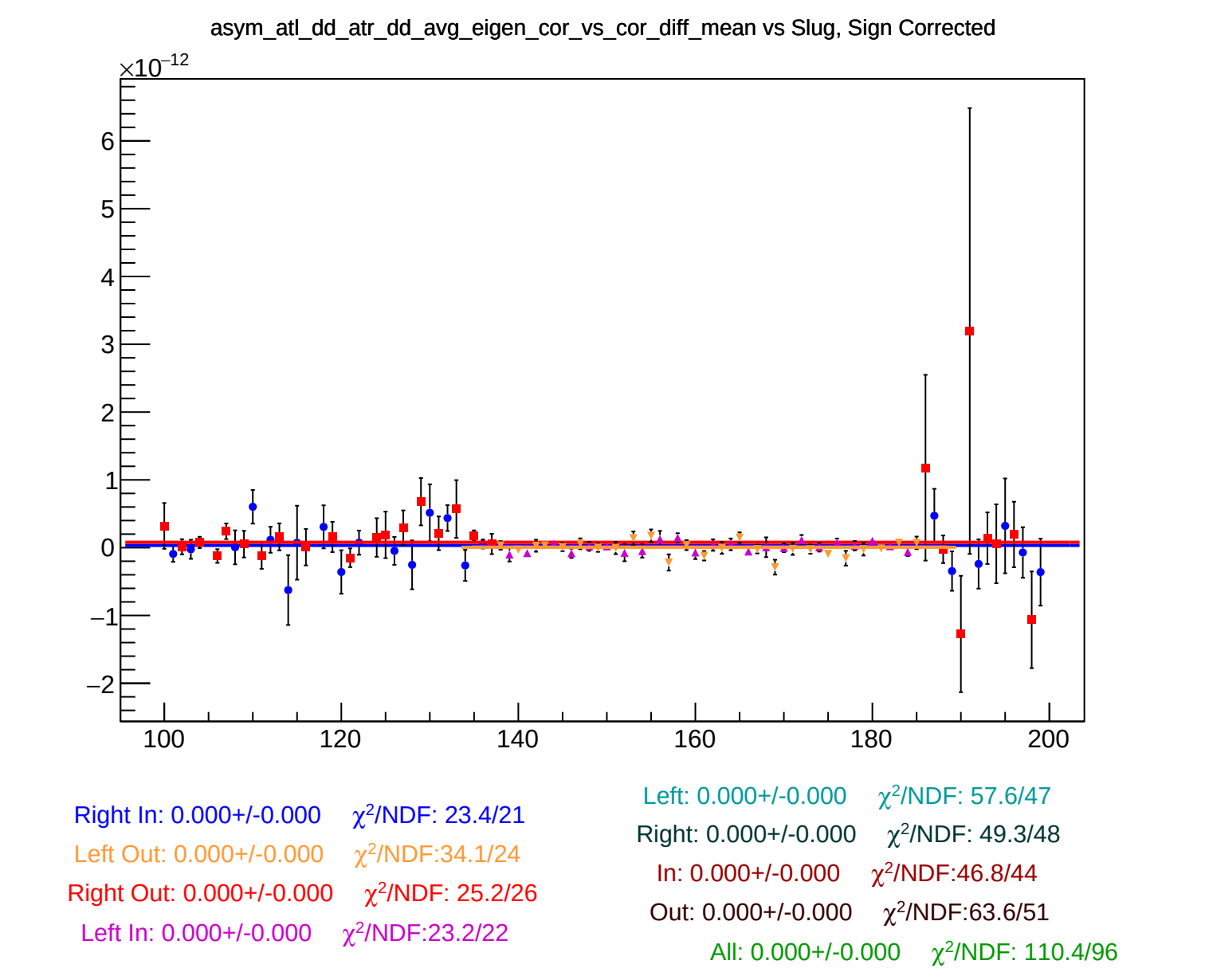
Left: 286.525+/-0.035 χ^2/NDF: 7730531.8/47

Right: 141.089+/-0.023 χ^2/NDF: 6221483.0/48

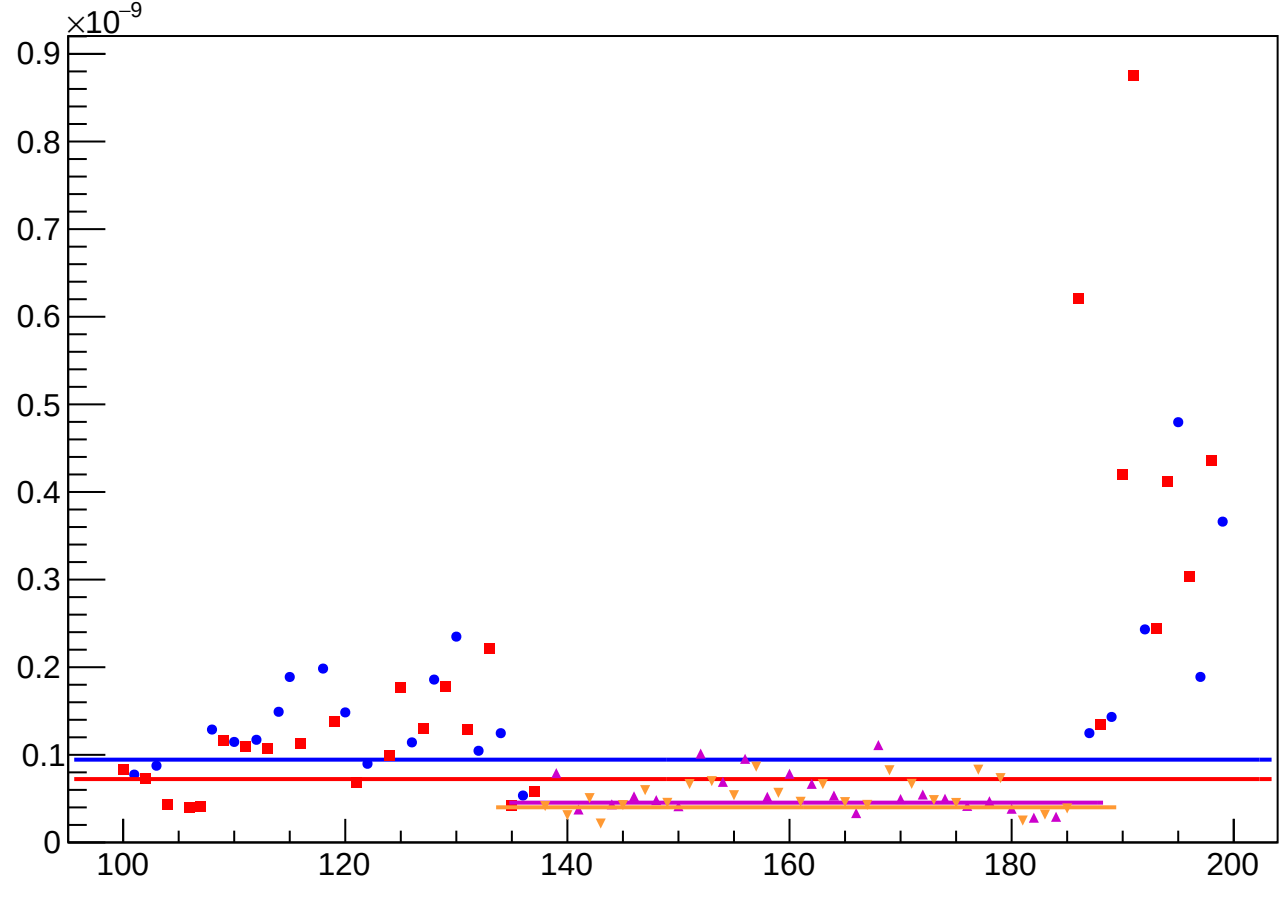
In: 196.741+/-0.028 χ^2/NDF:9651030.9/44

Out: 171.995+/-0.026 χ^2/NDF:15918031.3/51

All: 183.074+/-0.019 χ^2/NDF: 25988701.3/96


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: 23.4/21
Left Out: 0.000+/-0.000 χ²/NDF:34.1/24
Right Out: 0.000+/-0.000 χ²/NDF: 25.2/26
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: 49.3/48
In: 0.000+/-0.000 χ²/NDF:46.8/44
Out: 0.000+/-0.000 χ²/NDF:63.6/51
All: 0.000+/-0.000 χ²/NDF: 110.4/96

asym_atl_dd_atr_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3379504.1/21

Left Out: 0.000+/-0.000 χ^2/NDF:3609934.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5262858.4/26

Left In: 0.000+/-0.000 χ^2/NDF:2780344.5/22

Left: 0.000+/-0.000 χ^2/NDF: 6559252.5/47

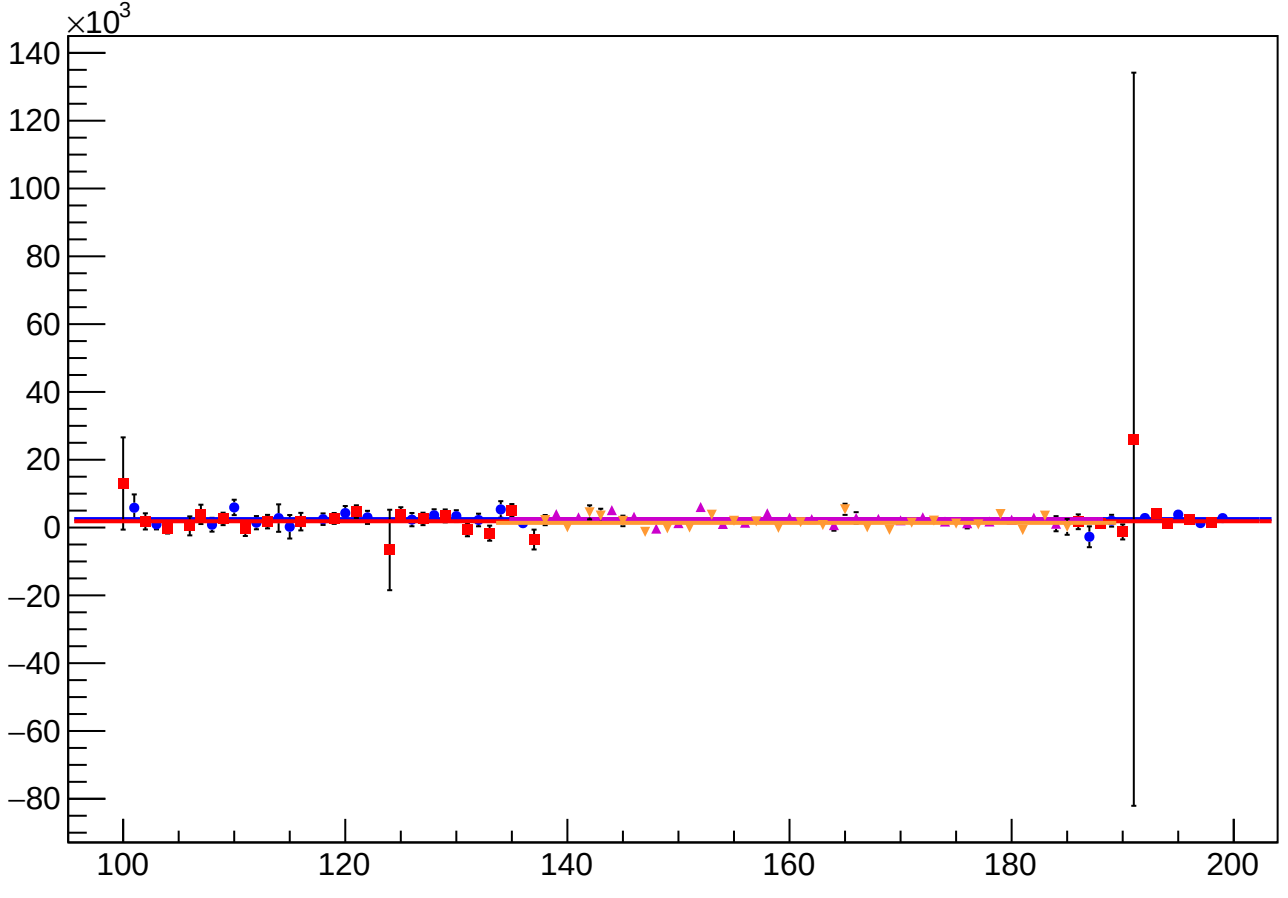
Right: 0.000+/-0.000 χ^2/NDF: 8990427.2/48

In: 0.000+/-0.000 χ^2/NDF:8707363.7/44

Out: 0.000+/-0.000 χ^2/NDF:10512283.4/51

All: 0.000+/-0.000 χ^2/NDF: 19484950.3/96

reg_asym_atl_avg_atr_avg_avg_mean vs Slug, Sign Corrected



Right In: 2499.366+/-389.079 χ^2/NDF: 13.7/21

Left Out: 1383.252+/-292.777 χ^2/NDF:32.9/24

Right Out: 1855.929+/-378.340 χ^2/NDF: 24.6/26

Left In: 2519.365+/-298.095 χ^2/NDF:22.5/22

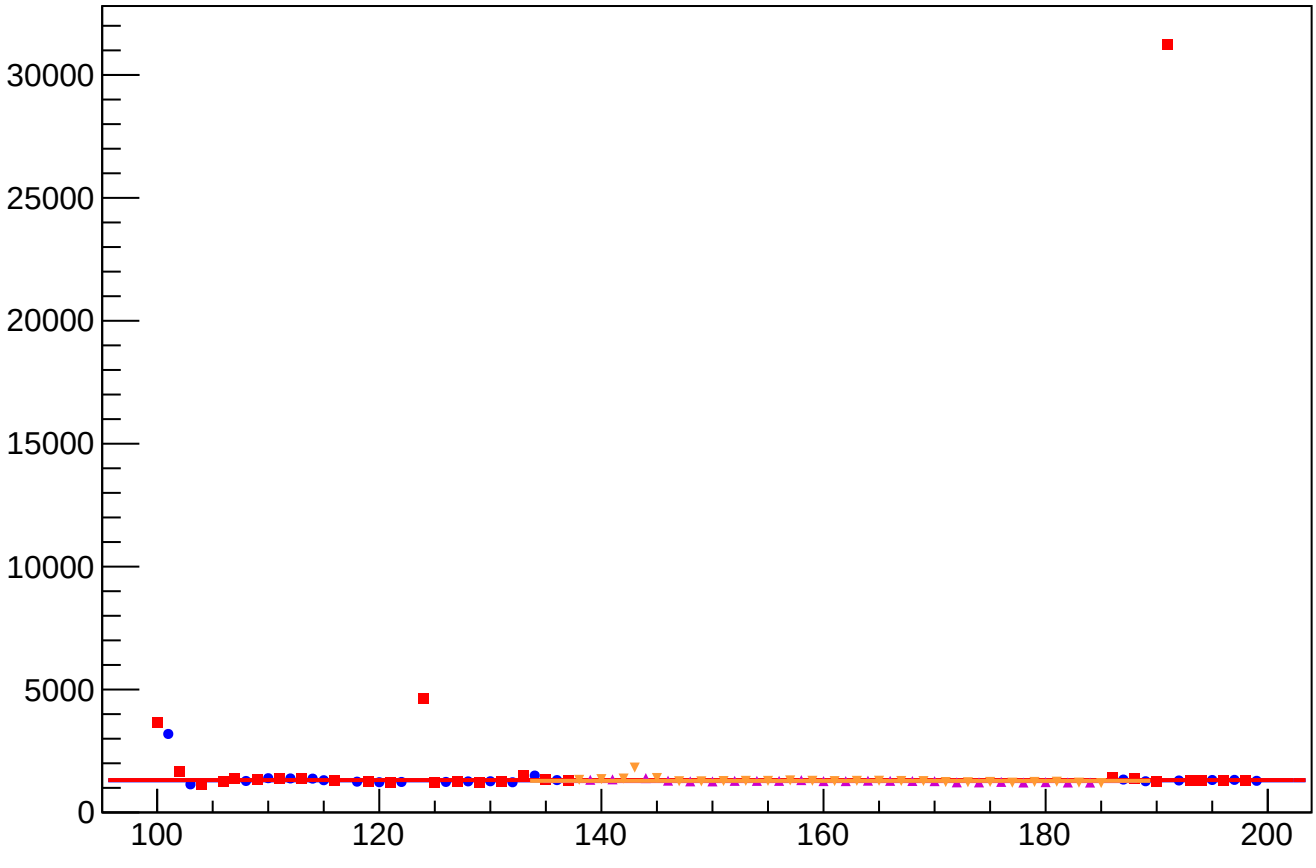
Left: 1941.083+/-208.879 χ^2/NDF: 62.8/47

Right: 2168.645+/-271.244 χ^2/NDF: 39.7/48

In: 2511.968+/-236.629 χ^2/NDF:36.1/44

Out: 1560.291+/-231.544 χ^2/NDF:58.5/51

All: 2025.796+/-165.495 χ^2/NDF: 102.9/96



Right In: 1305.757+/-0.275 χ^2/NDF: 518385.7/21

Left Out: 1285.649+/-0.207 χ^2/NDF:191027.3/24

Right Out: 1318.560+/-0.267 χ^2/NDF: 488391.3/26

Left In: 1275.941+/-0.211 χ^2/NDF:41399.0/22

Left: 1280.882+/-0.148 χ^2/NDF: 233506.1/47

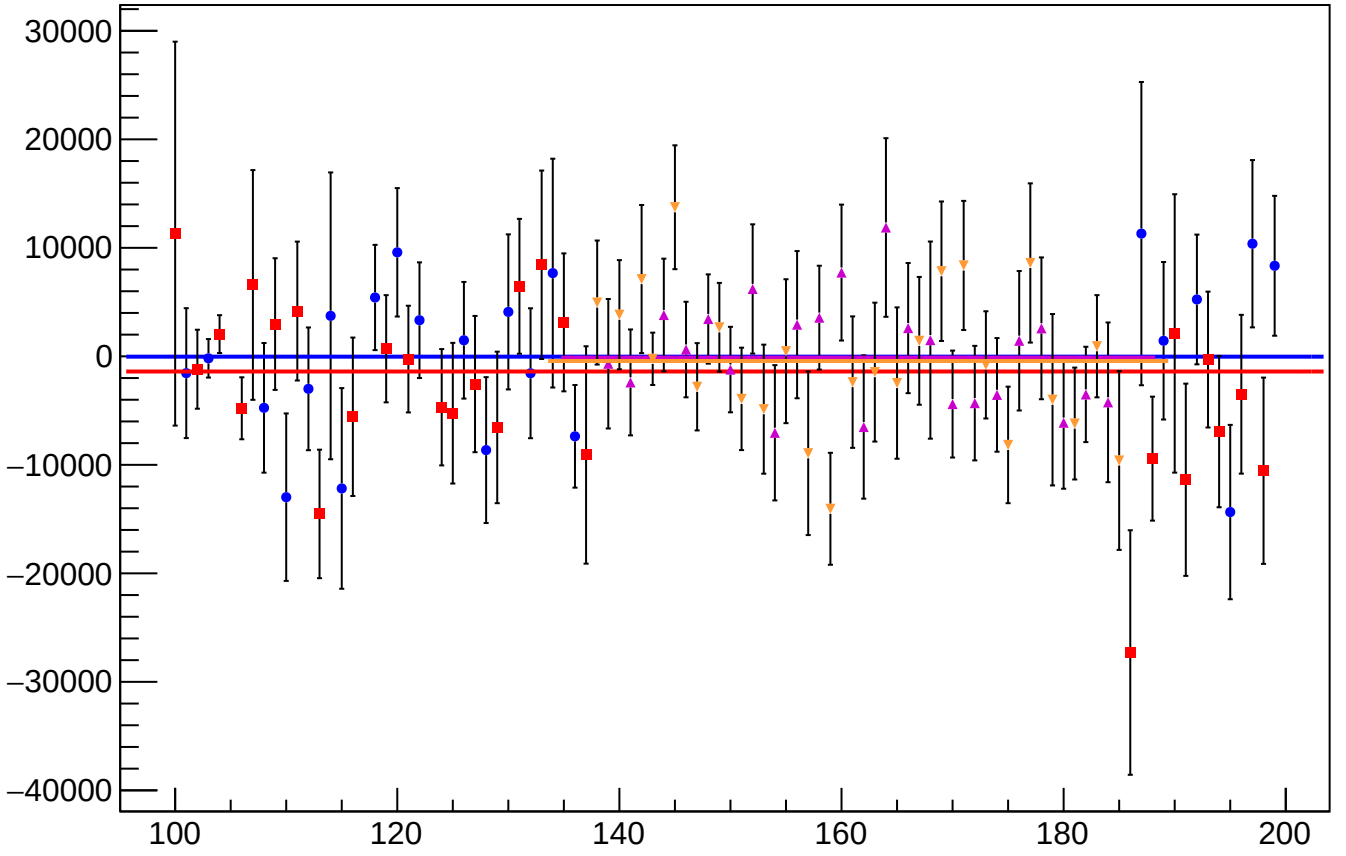
Right: 1312.348+/-0.192 χ^2/NDF: 1007891.7/48

In: 1286.969+/-0.167 χ^2/NDF:567185.9/44

Out: 1298.000+/-0.164 χ^2/NDF:688902.7/51

All: 1292.608+/-0.117 χ^2/NDF: 1258310.2/96

asym_atl_avg_atr_avg_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -29.422+/-1110.264 χ^2/NDF: 23.1/21

Left Out: -428.530+/-1038.038 χ^2/NDF:29.8/24

Right Out: -1396.765+/-983.727 χ^2/NDF: 28.9/26

Left In: -119.335+/-1144.695 χ^2/NDF:13.6/22

Left: -289.005+/-768.953 χ^2/NDF: 43.5/47

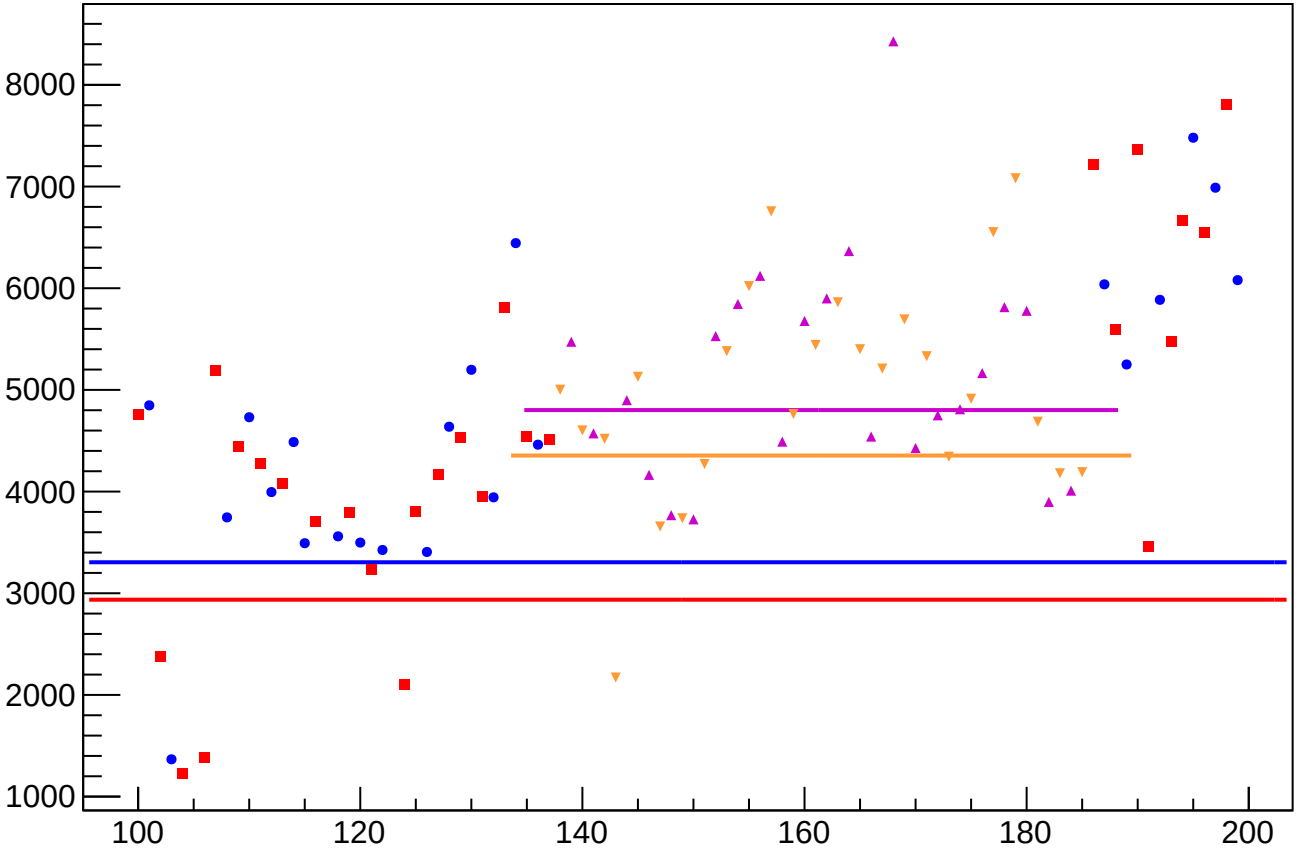
Right: -795.419+/-736.291 χ^2/NDF: 52.9/48

In: -73.006+/-796.970 χ^2/NDF:36.7/44

Out: -938.639+/-714.029 χ^2/NDF:59.2/51

All: -553.195+/-531.808 χ^2/NDF: 96.6/96

asym_atl_avg_atr_avg_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 3304.736+/-0.785 χ^2/NDF: 5150247.3/21

Left Out: 4354.526+/-0.734 χ^2/NDF:3071436.3/24

Right Out: 2936.518+/-0.696 χ^2/NDF: 6753780.9/26

Left In: 4801.573+/-0.809 χ^2/NDF:1231883.2/22

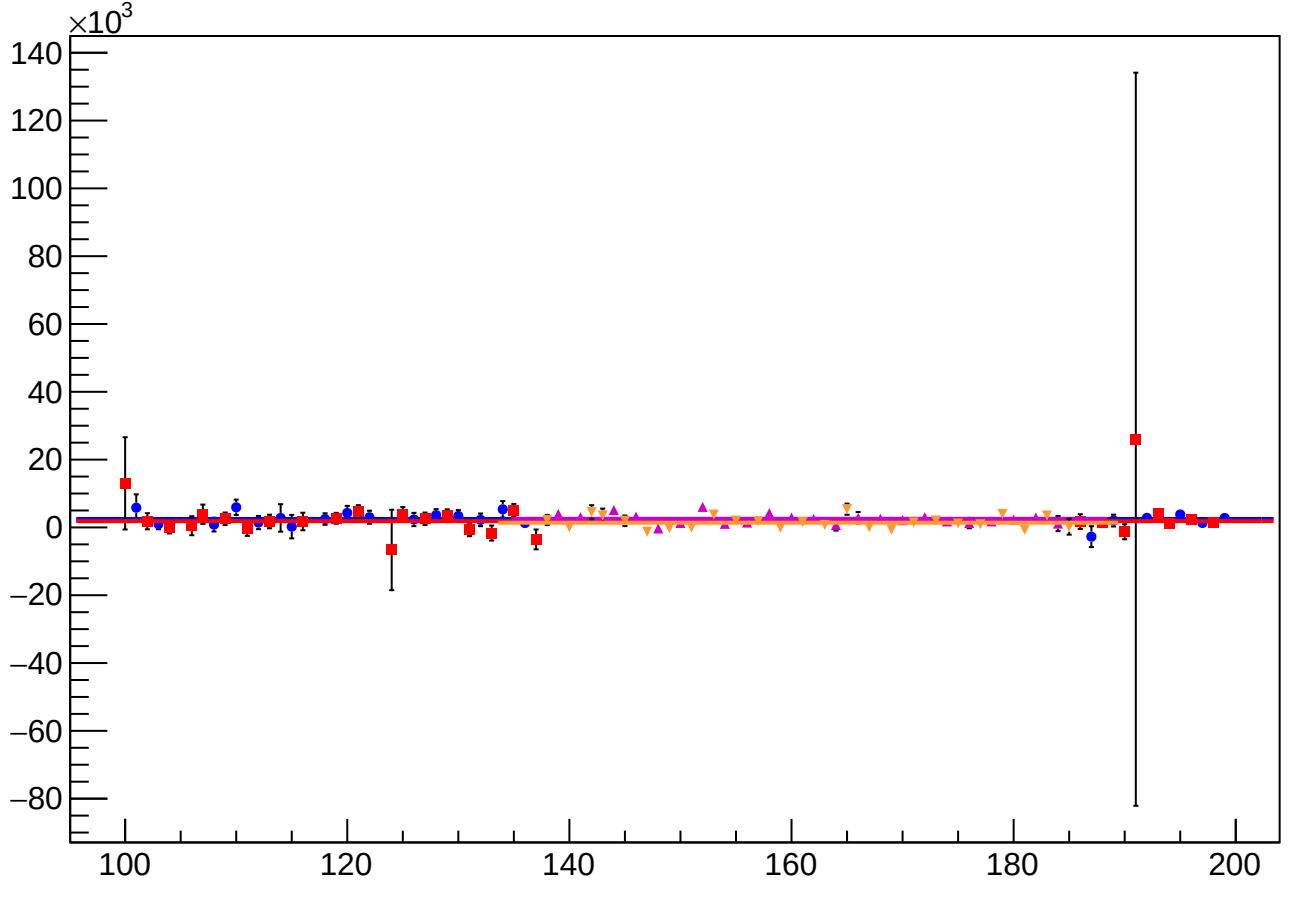
Left: 4556.257+/-0.544 χ^2/NDF: 4470709.2/47

Right: 3098.457+/-0.521 χ^2/NDF: 12027264.2/48

In: 4030.304+/-0.564 χ^2/NDF:8144229.7/44

Out: 3607.458+/-0.505 χ^2/NDF:11791485.4/51

All: 3795.740+/-0.376 χ^2/NDF: 20248029.2/9



Right In: 2499.237+/-389.079 χ^2/NDF: 13.7/21

Left Out: 1383.188+/-292.777 χ^2/NDF:32.9/24

Right Out: 1855.774+/-378.340 χ^2/NDF: 24.6/26

Left In: 2519.366+/-298.095 χ^2/NDF:22.5/22

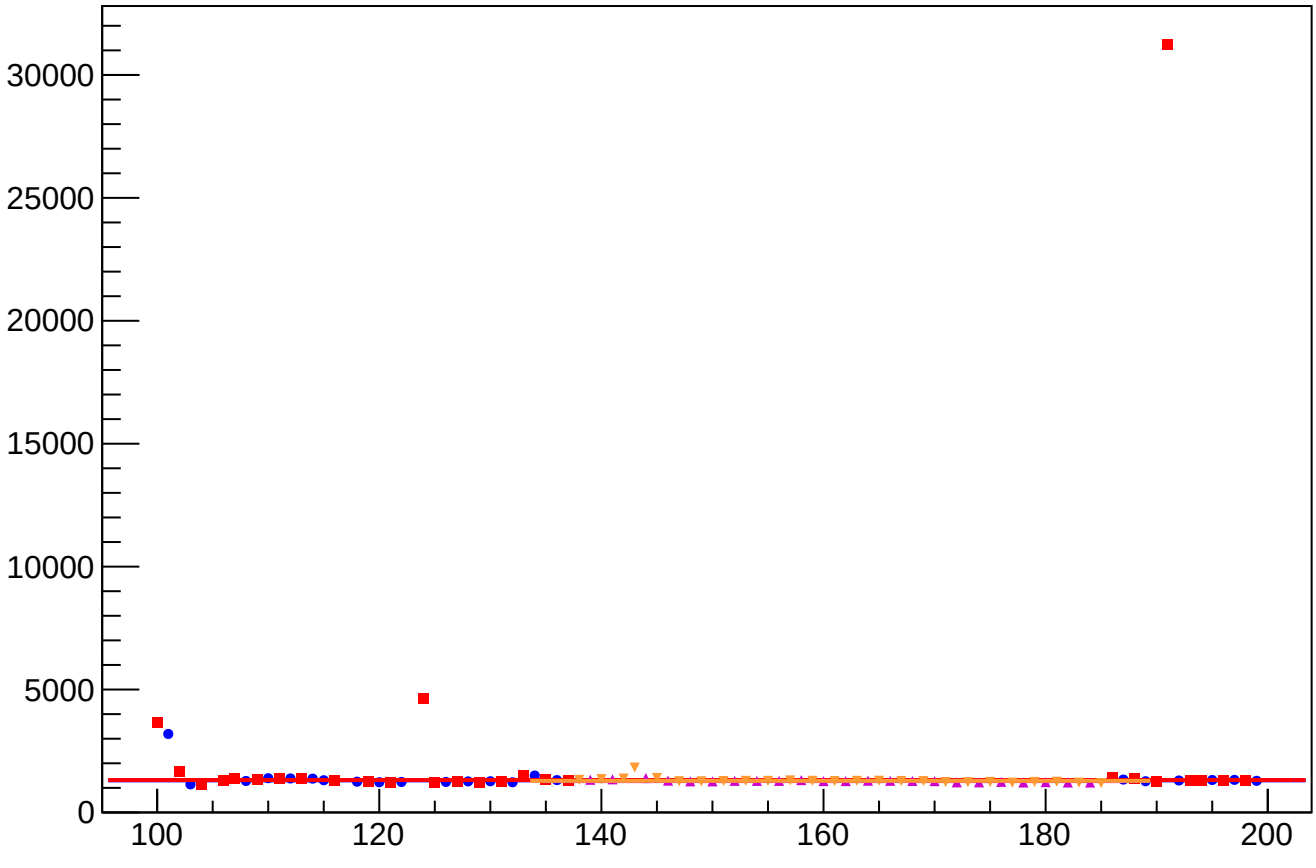
Left: 1941.050+/-208.879 χ^2/NDF: 62.8/47

Right: 2168.503+/-271.244 χ^2/NDF: 39.7/48

In: 2511.921+/-236.629 χ^2/NDF:36.1/44

Out: 1560.193+/-231.544 χ^2/NDF:58.5/51

All: 2025.723+/-165.495 χ^2/NDF: 102.9/96



Right In: 1305.757+/-0.275 χ^2/NDF: 518387.2/21

Left Out: 1285.649+/-0.207 χ^2/NDF:191027.3/24

Right Out: 1319.224+/-0.267 χ^2/NDF: 487854.8/26

Left In: 1275.941+/-0.211 χ^2/NDF:41399.0/22

Left: 1280.882+/-0.148 χ^2/NDF: 233506.1/47

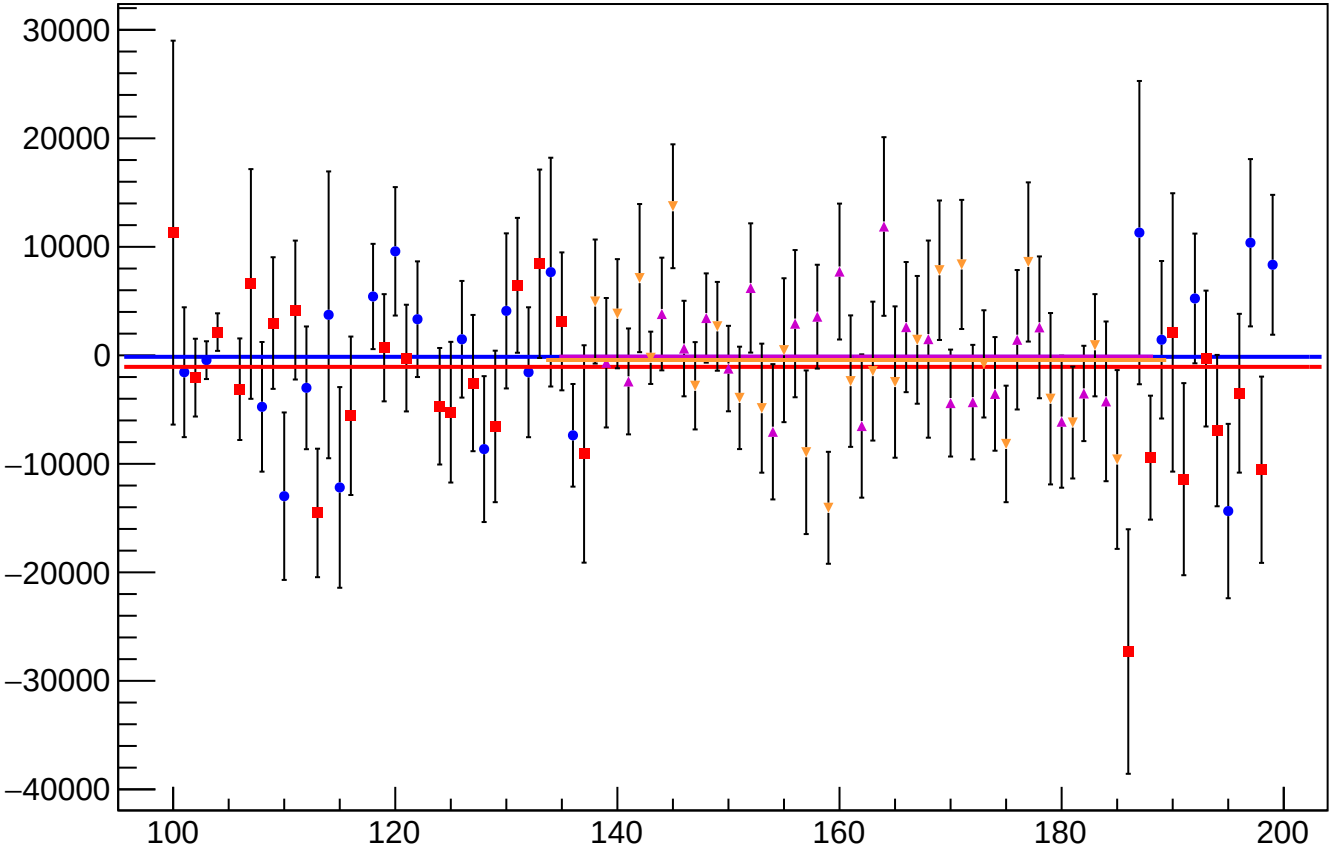
Right: 1312.686+/-0.192 χ^2/NDF: 1007474.8/48

In: 1286.969+/-0.167 χ^2/NDF:567187.3/44

Out: 1298.242+/-0.164 χ^2/NDF:688747.0/51

All: 1292.730+/-0.117 χ^2/NDF: 1258254.0/96

asym_atl_avg_atr_avg_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -136.270+/-1101.840 χ^2/NDF: 23.2/21

Left Out: -428.525+/-1038.036 χ^2/NDF:29.8/24

Right Out: -1062.463+/-1018.073 χ^2/NDF: 27.9/26

Left In: -119.307+/-1144.695 χ^2/NDF:13.6/22

Left: -288.990+/-768.952 χ^2/NDF: 43.5/47

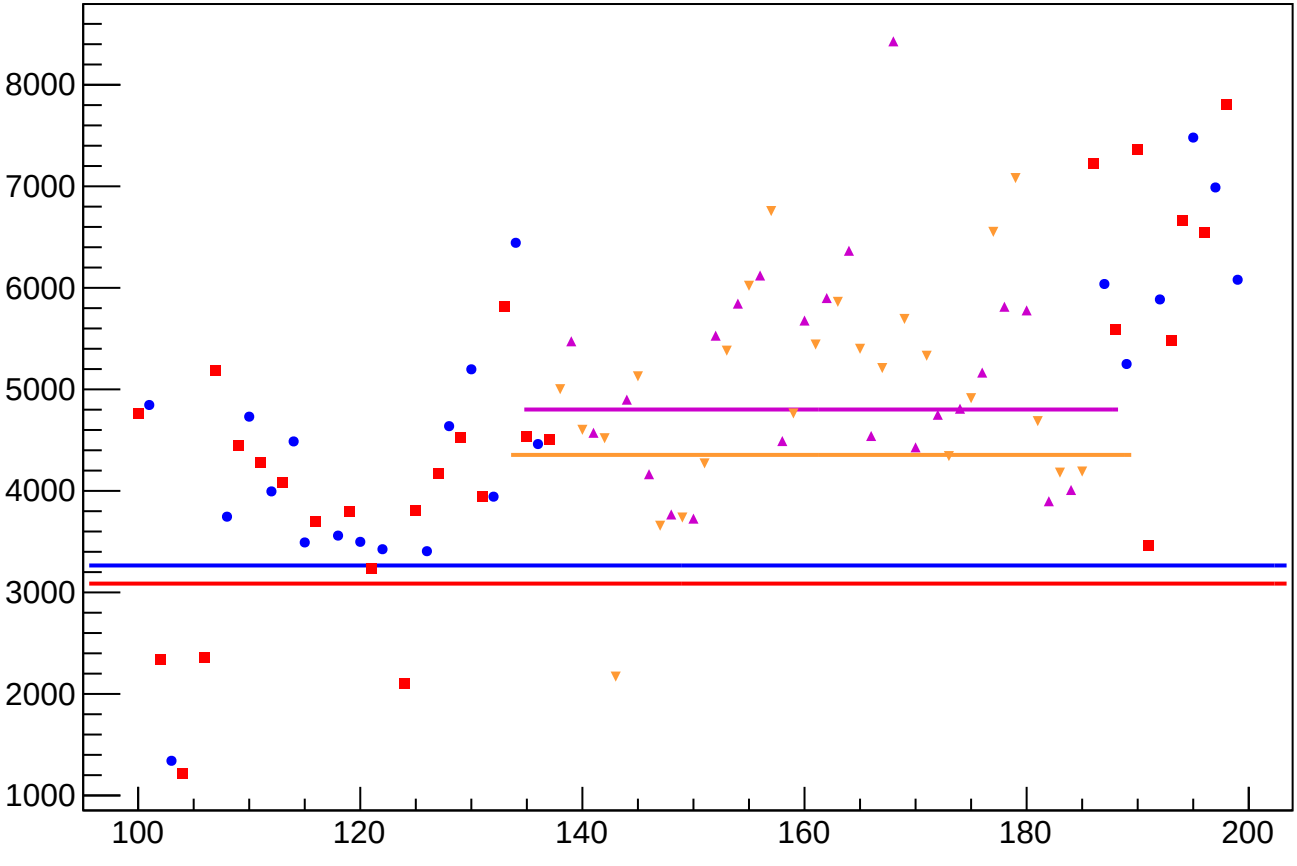
Right: -635.907+/-747.748 χ^2/NDF: 51.4/48

In: -128.112+/-793.837 χ^2/NDF:36.8/44

Out: -751.648+/-726.841 χ^2/NDF:57.9/51

All: -467.297+/-536.077 χ^2/NDF: 95.0/96

asym_atl_avg_atr_avg_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 3265.351+/-0.779 χ^2/NDF: 5305854.2/21

Left Out: 4354.511+/-0.734 χ^2/NDF:3071528.5/24

Right Out: 3086.838+/-0.720 χ^2/NDF: 6222266.9/26

Left In: 4801.570+/-0.809 χ^2/NDF:1231894.6/22

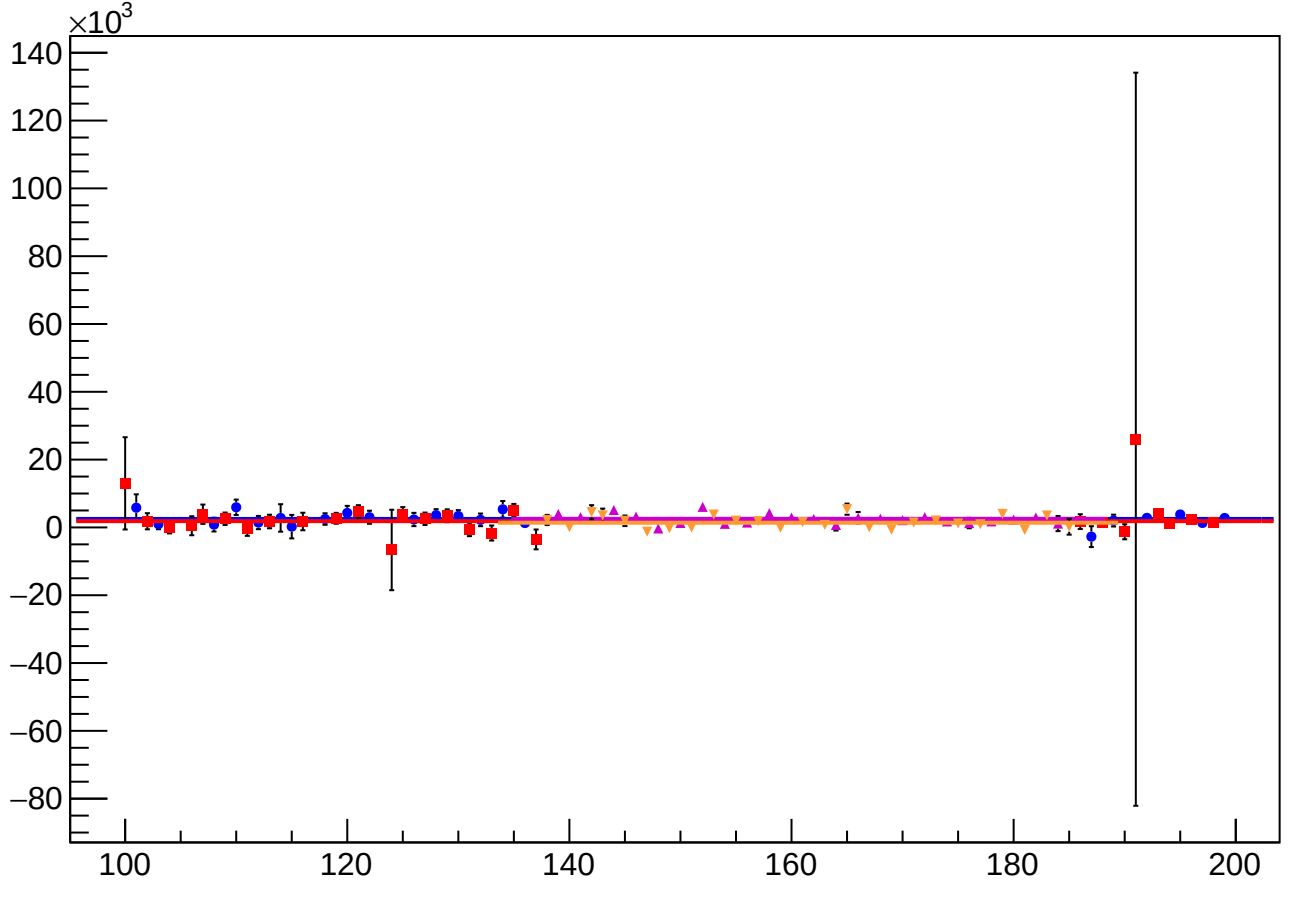
Left: 4556.247+/-0.544 χ^2/NDF: 4470822.6/47

Right: 3169.051+/-0.529 χ^2/NDF: 11556440.6/48

In: 4004.166+/-0.561 χ^2/NDF:8407493.2/44

Out: 3708.367+/-0.514 χ^2/NDF:10814139.0/51

All: 3843.260+/-0.379 χ^2/NDF: 19372687.6/9



Right In: 2499.237+/-389.079 χ^2/NDF: 13.7/21

Left Out: 1383.188+/-292.777 χ^2/NDF:32.9/24

Right Out: 1855.774+/-378.340 χ^2/NDF: 24.6/26

Left In: 2519.366+/-298.095 χ^2/NDF:22.5/22

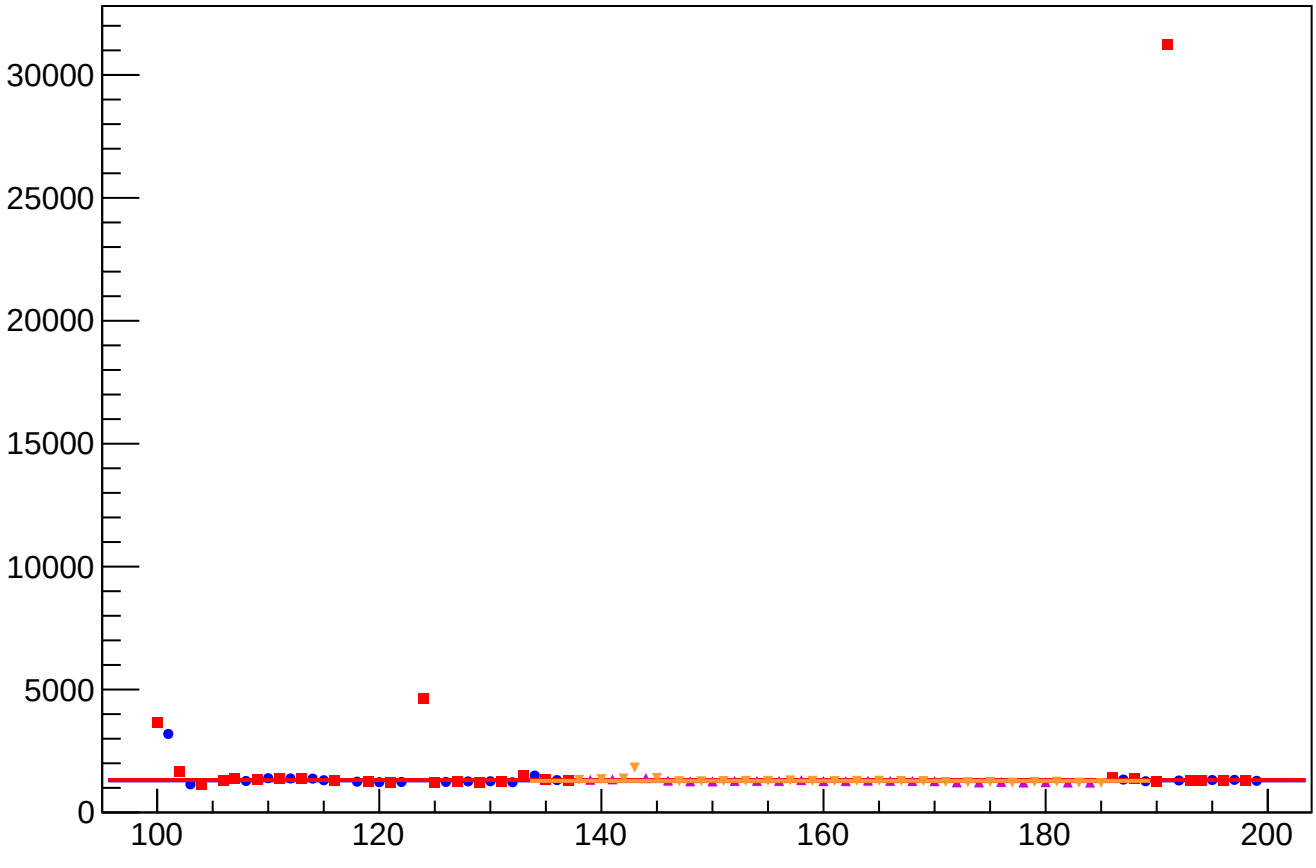
Left: 1941.050+/-208.879 χ^2/NDF: 62.8/47

Right: 2168.503+/-271.244 χ^2/NDF: 39.7/48

In: 2511.921+/-236.629 χ^2/NDF:36.1/44

Out: 1560.193+/-231.544 χ^2/NDF:58.5/51

All: 2025.723+/-165.495 χ^2/NDF: 102.9/96



Right In: 1305.757+/-0.275 χ^2/NDF: 518387.2/21

Left Out: 1285.649+/-0.207 χ^2/NDF:191027.3/24

Right Out: 1319.224+/-0.267 χ^2/NDF: 487854.8/26

Left In: 1275.941+/-0.211 χ^2/NDF:41399.0/22

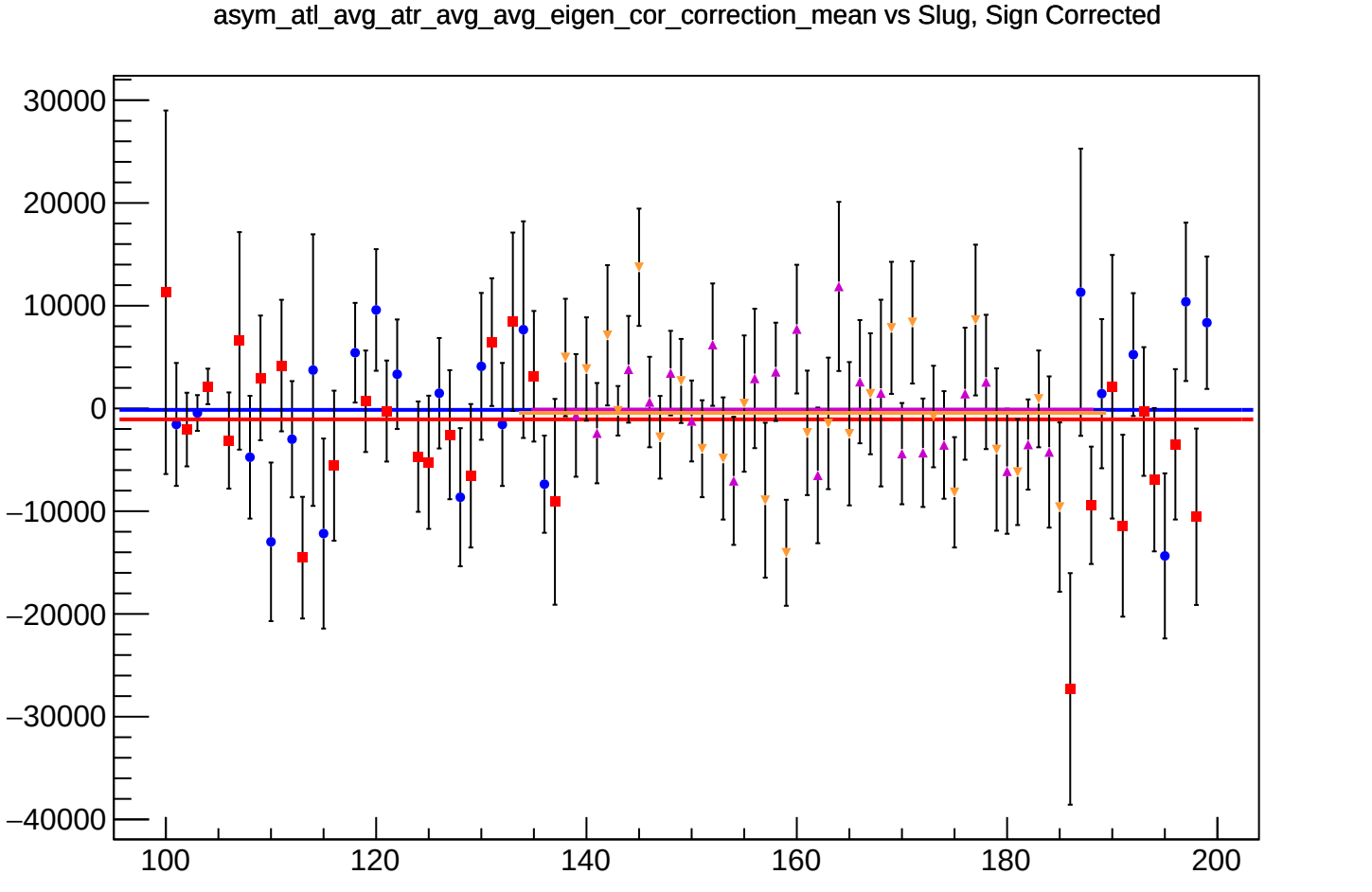
Left: 1280.882+/-0.148 χ^2/NDF: 233506.1/47

Right: 1312.686+/-0.192 χ^2/NDF: 1007474.8/48

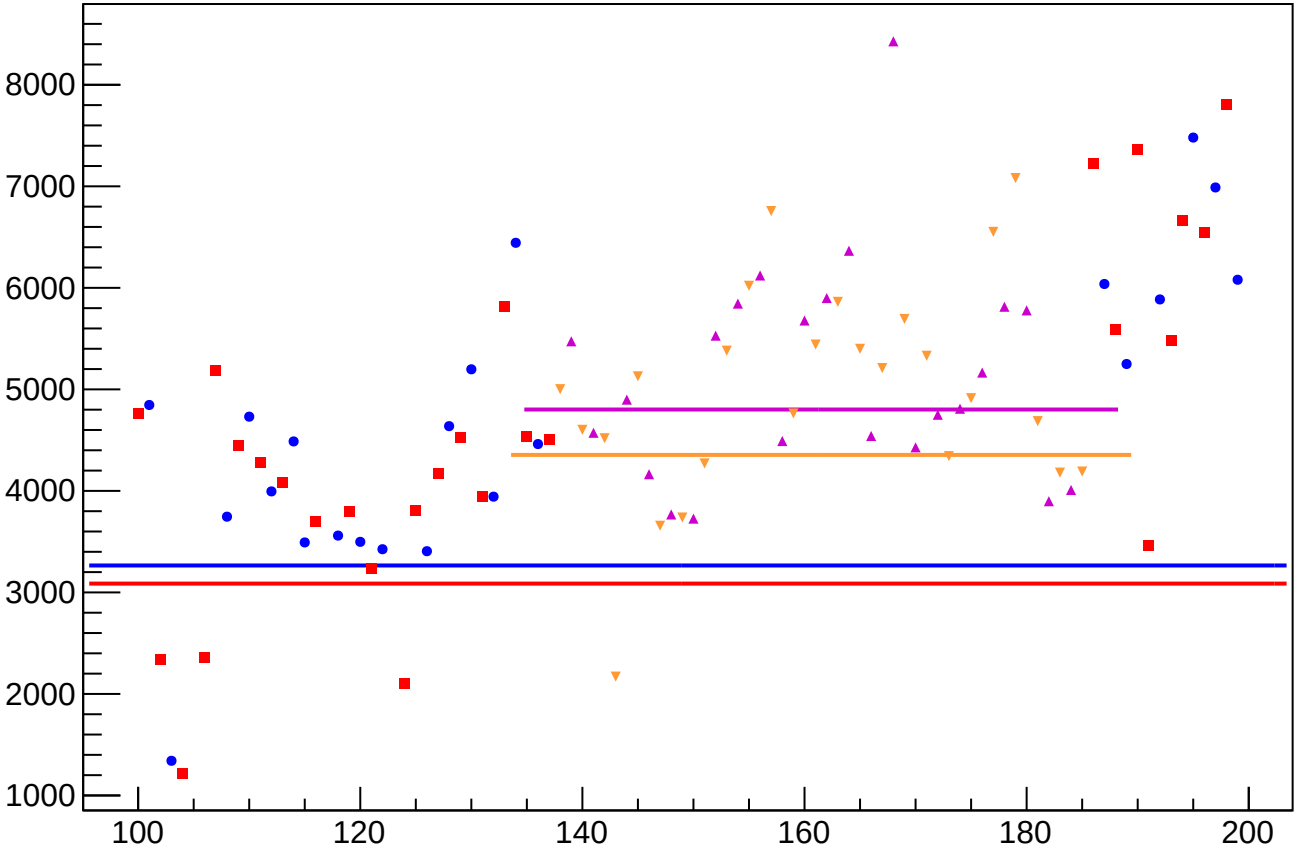
In: 1286.969+/-0.167 χ^2/NDF:567187.3/44

Out: 1298.242+/-0.164 χ^2/NDF:688747.0/51

All: 1292.730+/-0.117 χ^2/NDF: 1258254.0/96


asym_atl_avg_atr_avg_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
Right In: -136.270+/-1101.840 χ²/NDF: 23.2/21
Left Out: -428.525+/-1038.036 χ²/NDF:29.8/24
Right Out: -1062.463+/-1018.073 χ²/NDF: 27.9/26
Left In: -119.307+/-1144.695 χ²/NDF:13.6/22
Left: -288.990+/-768.952 χ²/NDF: 43.5/47
Right: -635.907+/-747.748 χ²/NDF: 51.4/48
In: -128.112+/-793.837 χ²/NDF:36.8/44
Out: -751.648+/-726.841 χ²/NDF:57.9/51
All: -467.297+/-536.077 χ²/NDF: 95.0/96

asym_atl_avg_atr_avg_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 3265.351+/-0.779 χ^2/NDF: 5305854.2/21

Left Out: 4354.511+/-0.734 χ^2/NDF:3071528.5/24

Right Out: 3086.838+/-0.720 χ^2/NDF: 6222266.9/26

Left In: 4801.570+/-0.809 χ^2/NDF:1231894.6/22

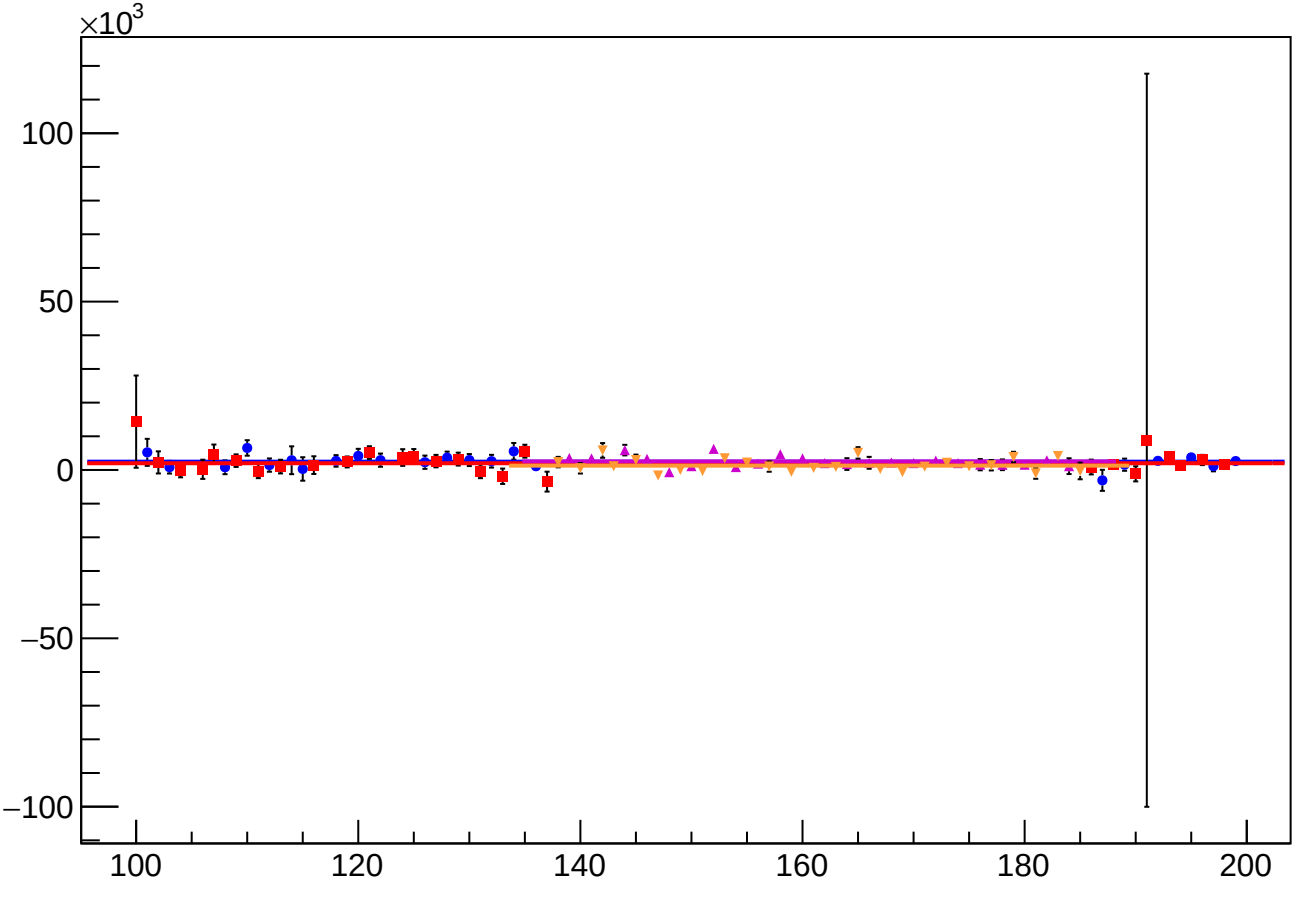
Left: 4556.247+/-0.544 χ^2/NDF: 4470822.6/47

Right: 3169.051+/-0.529 χ^2/NDF: 11556440.6/48

In: 4004.166+/-0.561 χ^2/NDF:8407493.2/44

Out: 3708.367+/-0.514 χ^2/NDF:10814139.0/51

All: 3843.260+/-0.379 χ^2/NDF: 19372687.6/9



Right In: 2466.979+/-401.387 χ^2/NDF: 14.4/21

Left Out: 1284.422+/-300.530 χ^2/NDF:33.4/24

Right Out: 1996.718+/-386.153 χ^2/NDF: 26.0/26

Left In: 2531.791+/-312.886 χ^2/NDF:25.0/22

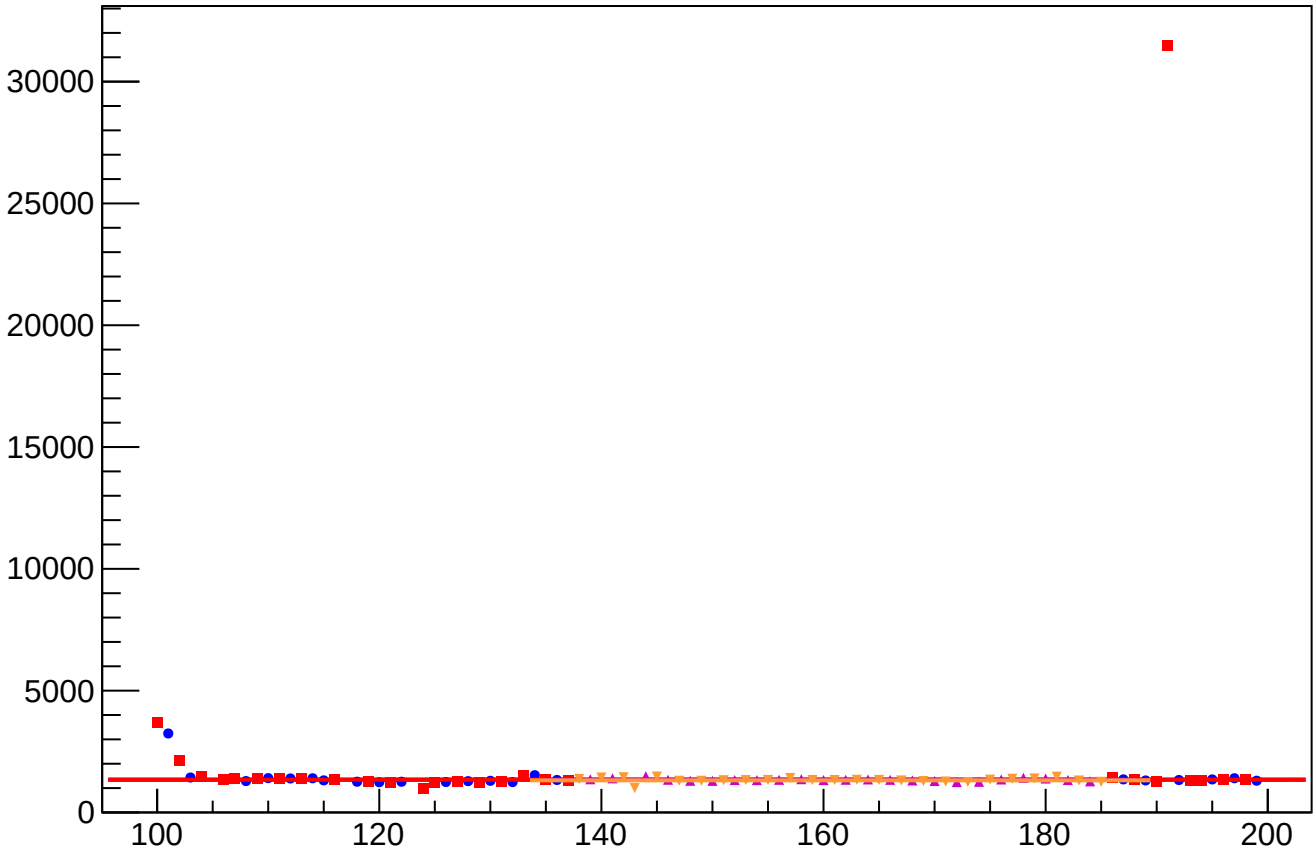
Left: 1882.989+/-216.743 χ^2/NDF: 66.7/47

Right: 2222.756+/-278.281 χ^2/NDF: 41.1/48

In: 2507.294+/-246.770 χ^2/NDF:39.4/44

Out: 1553.112+/-237.168 χ^2/NDF:61.5/51

All: 2011.277+/-170.997 χ^2/NDF: 108.7/96



Right In: 1347.134+/-0.284 χ^2/NDF: 500043.6/21

Left Out: 1318.174+/-0.213 χ^2/NDF:248547.7/24

Right Out: 1344.195+/-0.273 χ^2/NDF: 434083.4/26

Left In: 1338.602+/-0.221 χ^2/NDF:54248.5/22

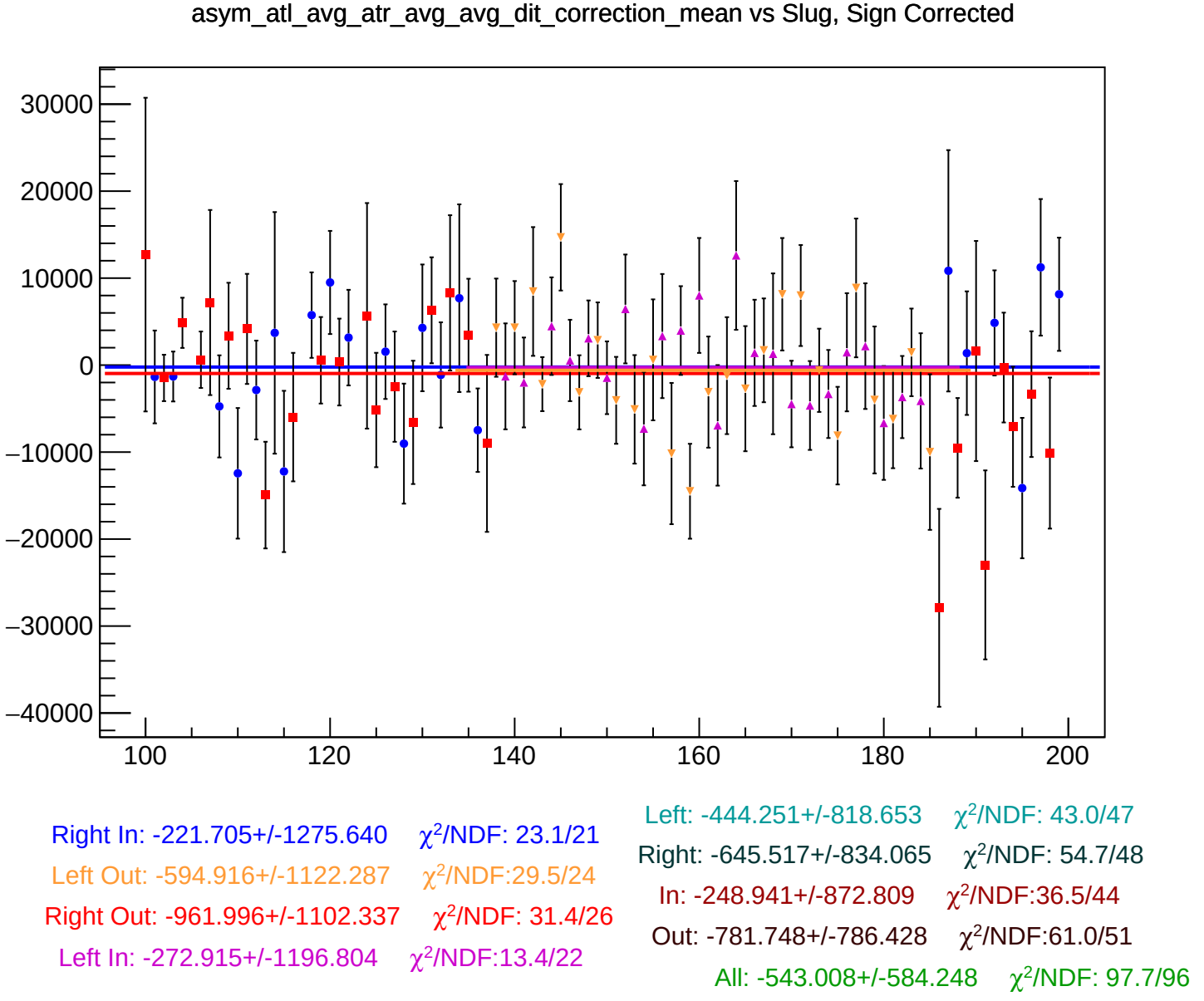
Left: 1327.977+/-0.153 χ^2/NDF: 307230.5/47

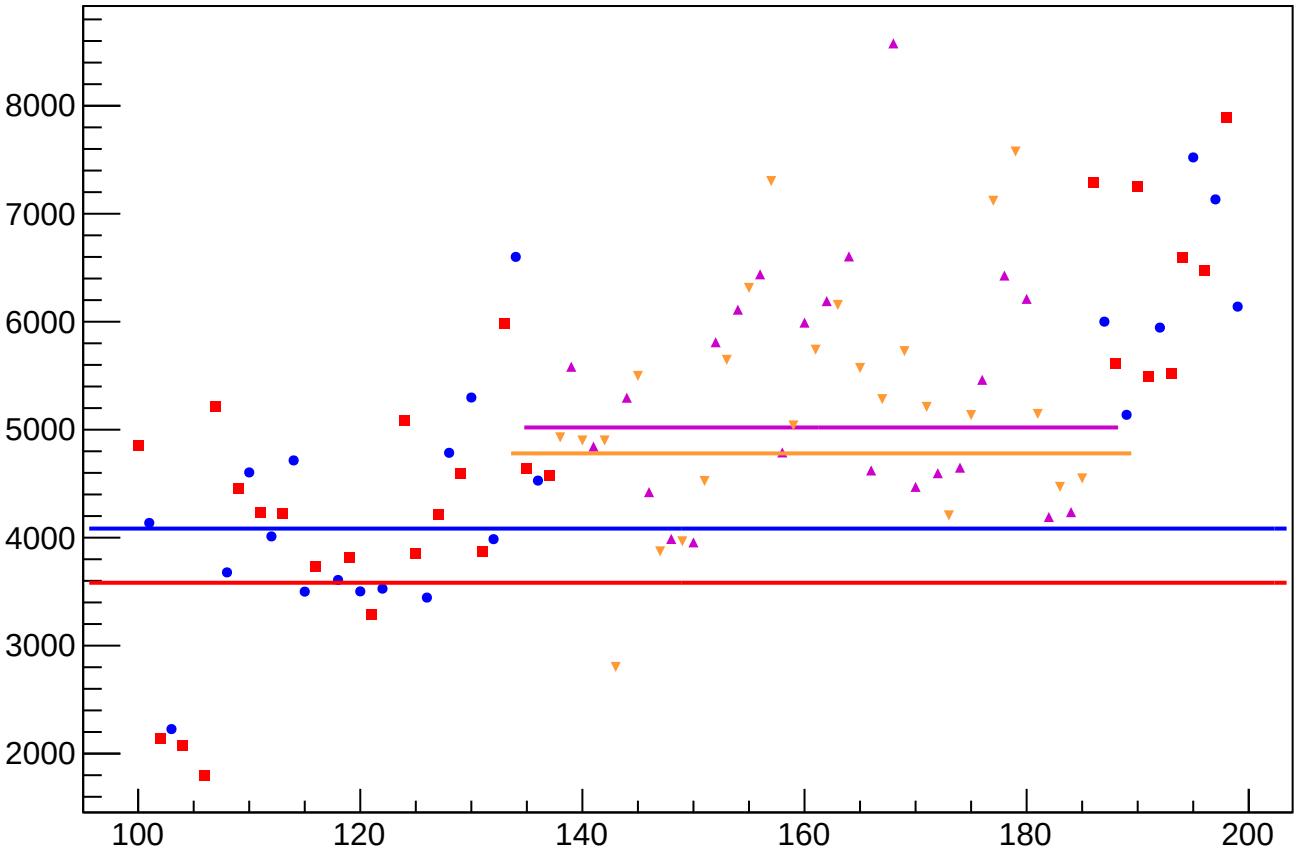
Right: 1345.607+/-0.197 χ^2/NDF: 934182.7/48

In: 1341.827+/-0.174 χ^2/NDF:554854.1/44

Out: 1327.994+/-0.168 χ^2/NDF:688289.2/51

All: 1334.635+/-0.121 χ^2/NDF: 1246410.6/96


asym_atl_avg_atr_avg_avg_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
Right In: -221.705+/-1275.640 χ²/NDF: 23.1/21
Left Out: -594.916+/-1122.287 χ²/NDF:29.5/24
Right Out: -961.996+/-1102.337 χ²/NDF: 31.4/26
Left In: -272.915+/-1196.804 χ²/NDF:13.4/22
Left: -444.251+/-818.653 χ²/NDF: 43.0/47
Right: -645.517+/-834.065 χ²/NDF: 54.7/48
In: -248.941+/-872.809 χ²/NDF:36.5/44
Out: -781.748+/-786.428 χ²/NDF:61.0/51
All: -543.008+/-584.248 χ²/NDF: 97.7/96



Right In: 4084.167+/-0.902 χ^2/NDF: 2293754.4/21

Left Out: 4780.396+/-0.794 χ^2/NDF:2006245.3/24

Right Out: 3582.442+/-0.779 χ^2/NDF: 4278341.4/26

Left In: 5020.560+/-0.846 χ^2/NDF:1225091.9/22

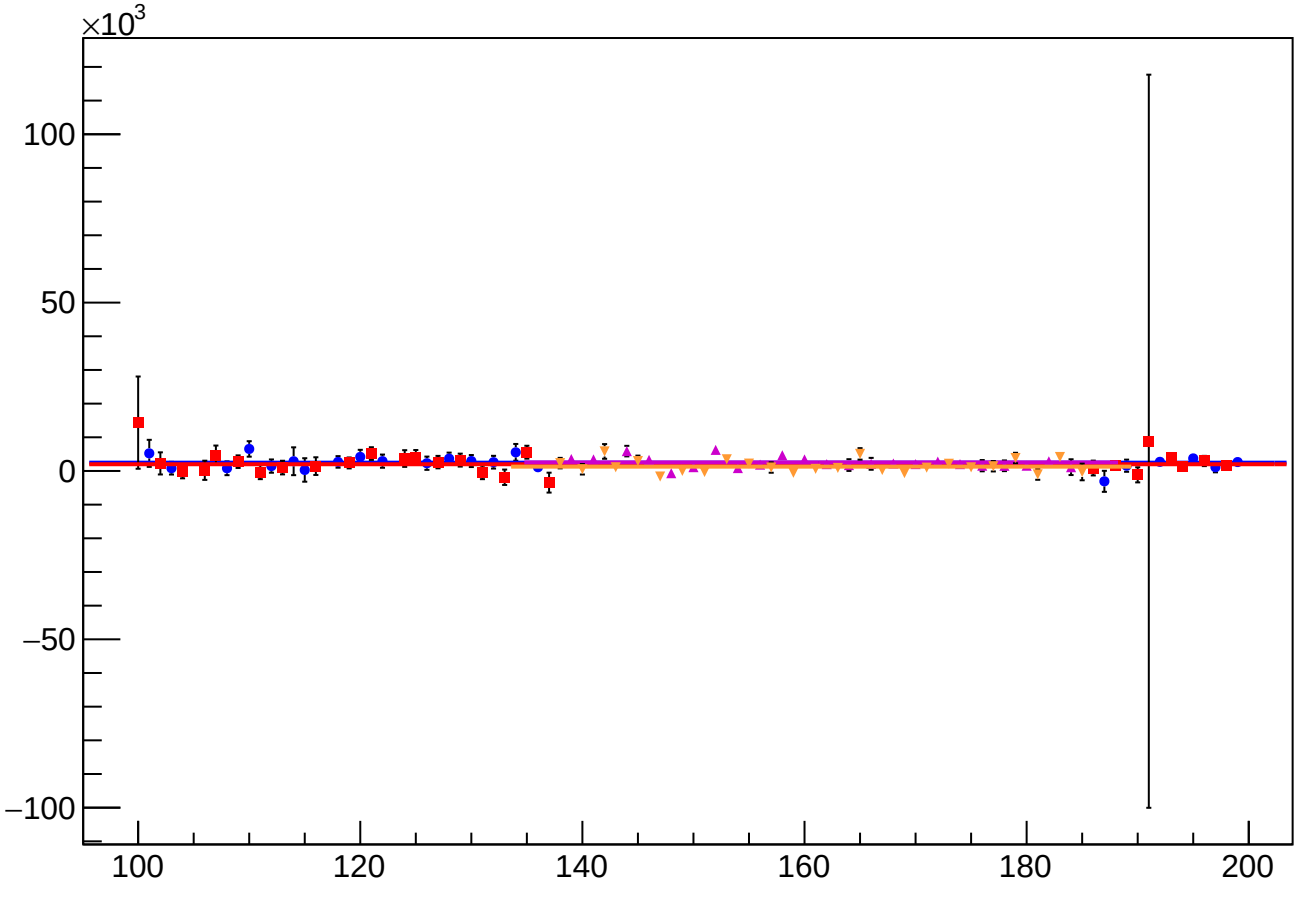
Left: 4892.769+/-0.579 χ^2/NDF: 3274191.3/47

Right: 3796.933+/-0.590 χ^2/NDF: 6749218.7/48

In: 4582.190+/-0.617 χ^2/NDF:4092014.5/44

Out: 4170.677+/-0.556 χ^2/NDF:7444410.6/51

All: 4355.068+/-0.413 χ^2/NDF: 11781802.9/9



Right In: 2466.977+/-401.387 χ^2/NDF: 14.4/21

Left Out: 1284.416+/-300.530 χ^2/NDF:33.4/24

Right Out: 1996.718+/-386.153 χ^2/NDF: 26.0/26

Left In: 2531.791+/-312.887 χ^2/NDF:25.0/22

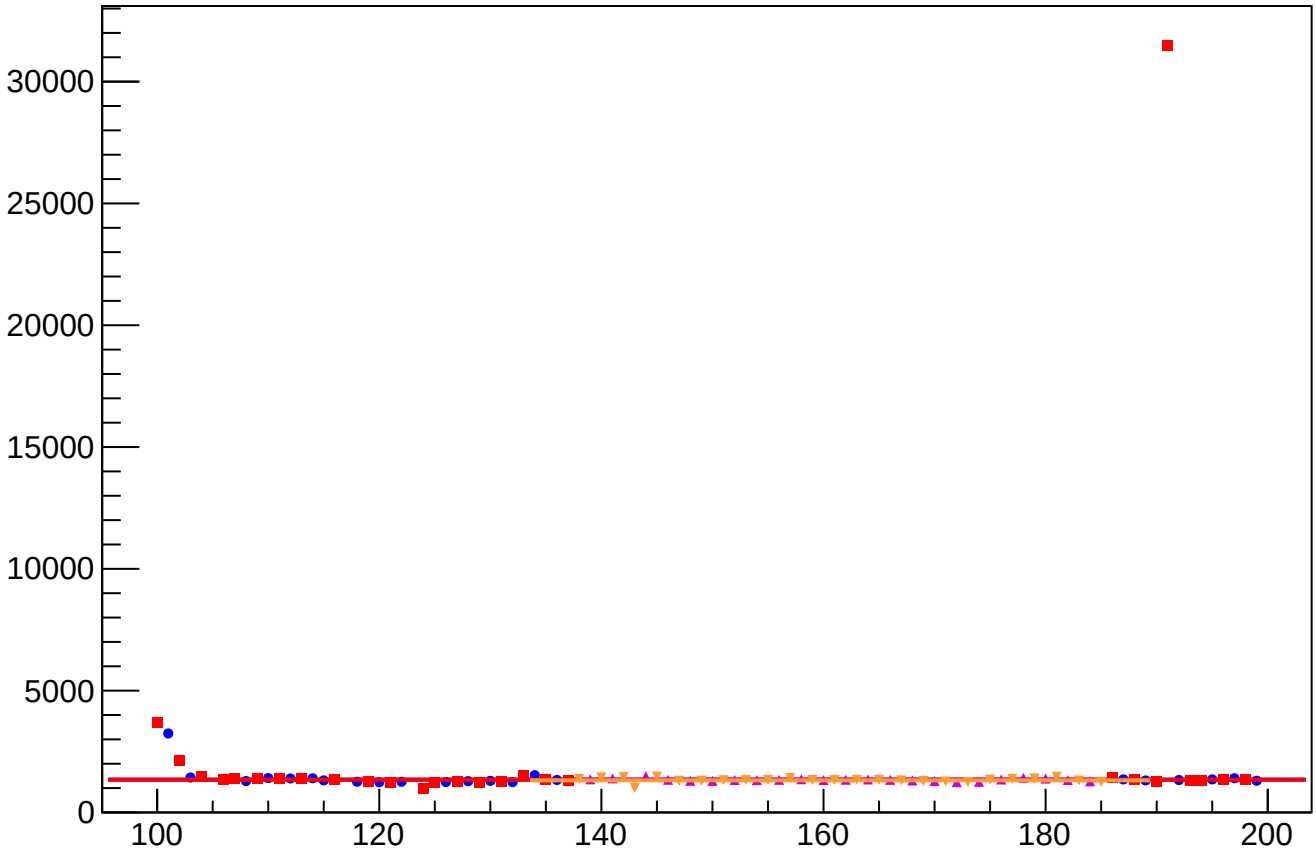
Left: 1882.986+/-216.744 χ^2/NDF: 66.7/47

Right: 2222.755+/-278.281 χ^2/NDF: 41.1/48

In: 2507.293+/-246.770 χ^2/NDF:39.4/44

Out: 1553.109+/-237.168 χ^2/NDF:61.5/51

All: 2011.276+/-170.997 χ^2/NDF: 108.7/96



Right In: 1347.133+/-0.284 χ^2/NDF: 500043.8/21

Left Out: 1318.176+/-0.213 χ^2/NDF:248550.2/24

Right Out: 1344.195+/-0.273 χ^2/NDF: 434082.3/26

Left In: 1338.604+/-0.221 χ^2/NDF:54251.0/22

Left: 1327.978+/-0.153 χ^2/NDF: 307235.6/47

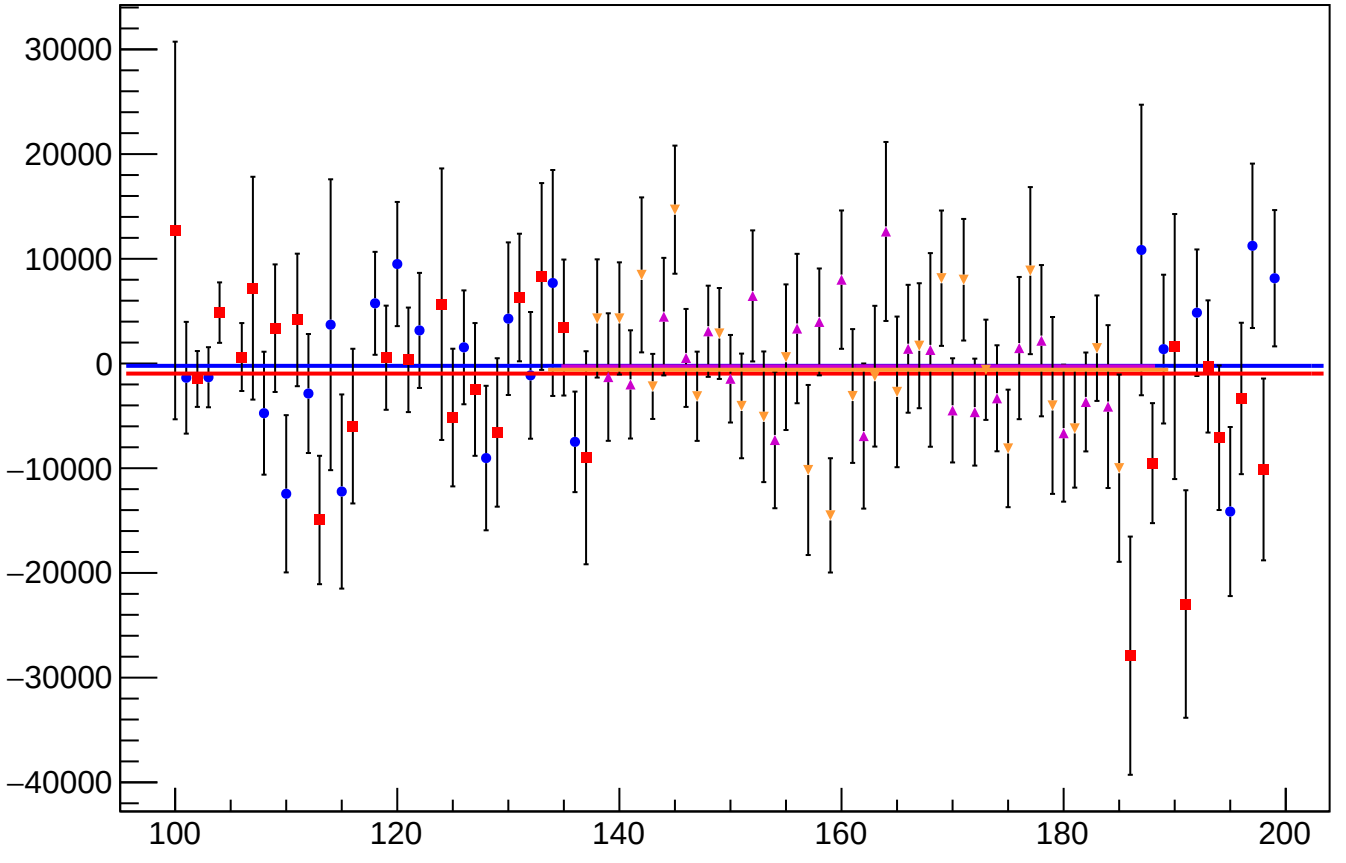
Right: 1345.607+/-0.197 χ^2/NDF: 934181.8/48

In: 1341.828+/-0.174 χ^2/NDF:554856.6/44

Out: 1327.995+/-0.168 χ^2/NDF:688290.0/51

All: 1334.636+/-0.121 χ^2/NDF: 1246413.9/96

asym_atl_avg_atr_avg_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -221.701+/-1275.638 χ^2/NDF: 23.1/21

Left Out: -594.920+/-1122.288 χ^2/NDF:29.5/24

Right Out: -961.989+/-1102.335 χ^2/NDF: 31.4/26

Left In: -272.917+/-1196.806 χ^2/NDF:13.4/22

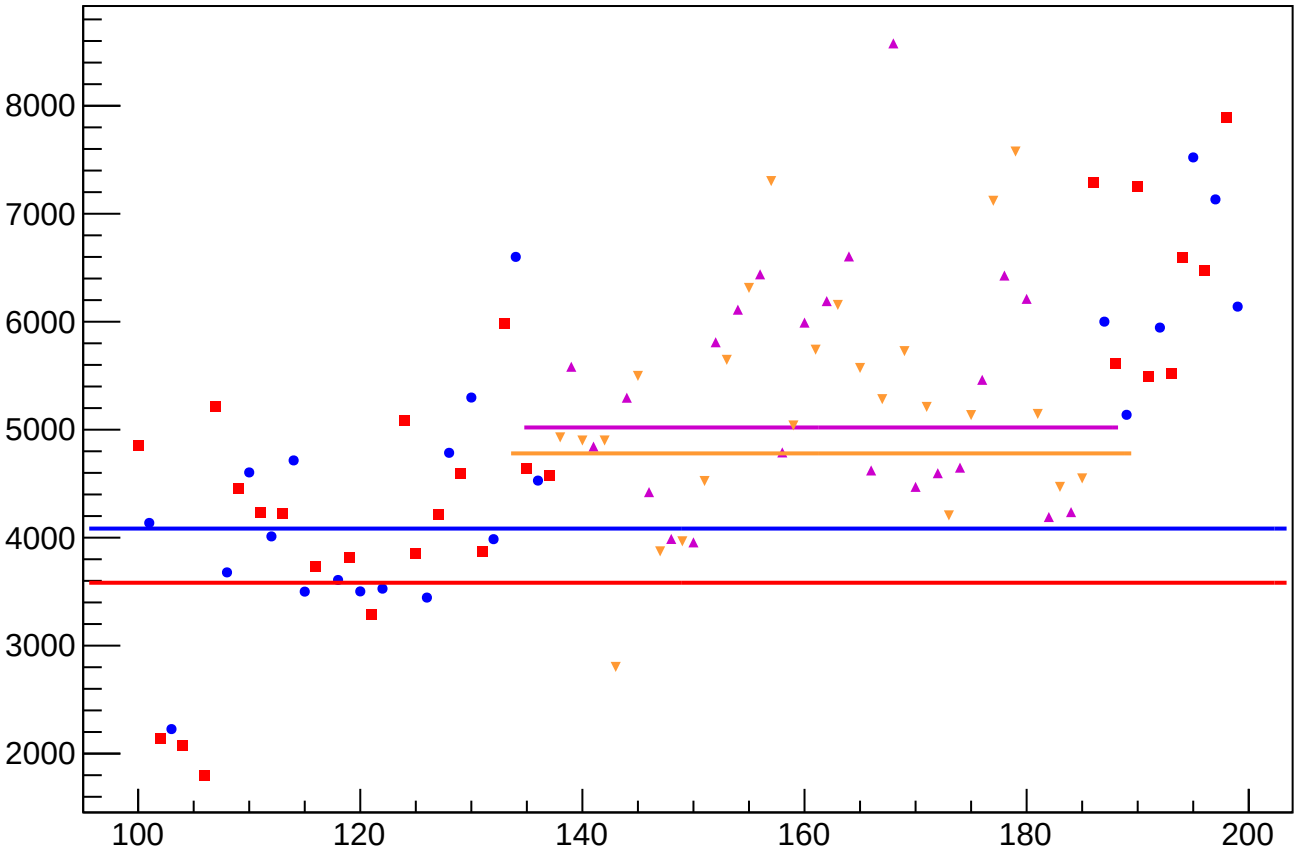
Left: -444.254+/-818.655 χ^2/NDF: 43.0/47

Right: -645.511+/-834.063 χ^2/NDF: 54.7/48

In: -248.940+/-872.809 χ^2/NDF:36.5/44

Out: -781.747+/-786.428 χ^2/NDF:61.0/51

All: -543.007+/-584.248 χ^2/NDF: 97.7/96



Right In: 4084.158+/-0.902 χ^2/NDF: 2293771.9/21

Left Out: 4780.404+/-0.794 χ^2/NDF:2006246.8/24

Right Out: 3582.433+/-0.779 χ^2/NDF: 4278362.8/26

Left In: 5020.567+/-0.846 χ^2/NDF:1225095.5/22

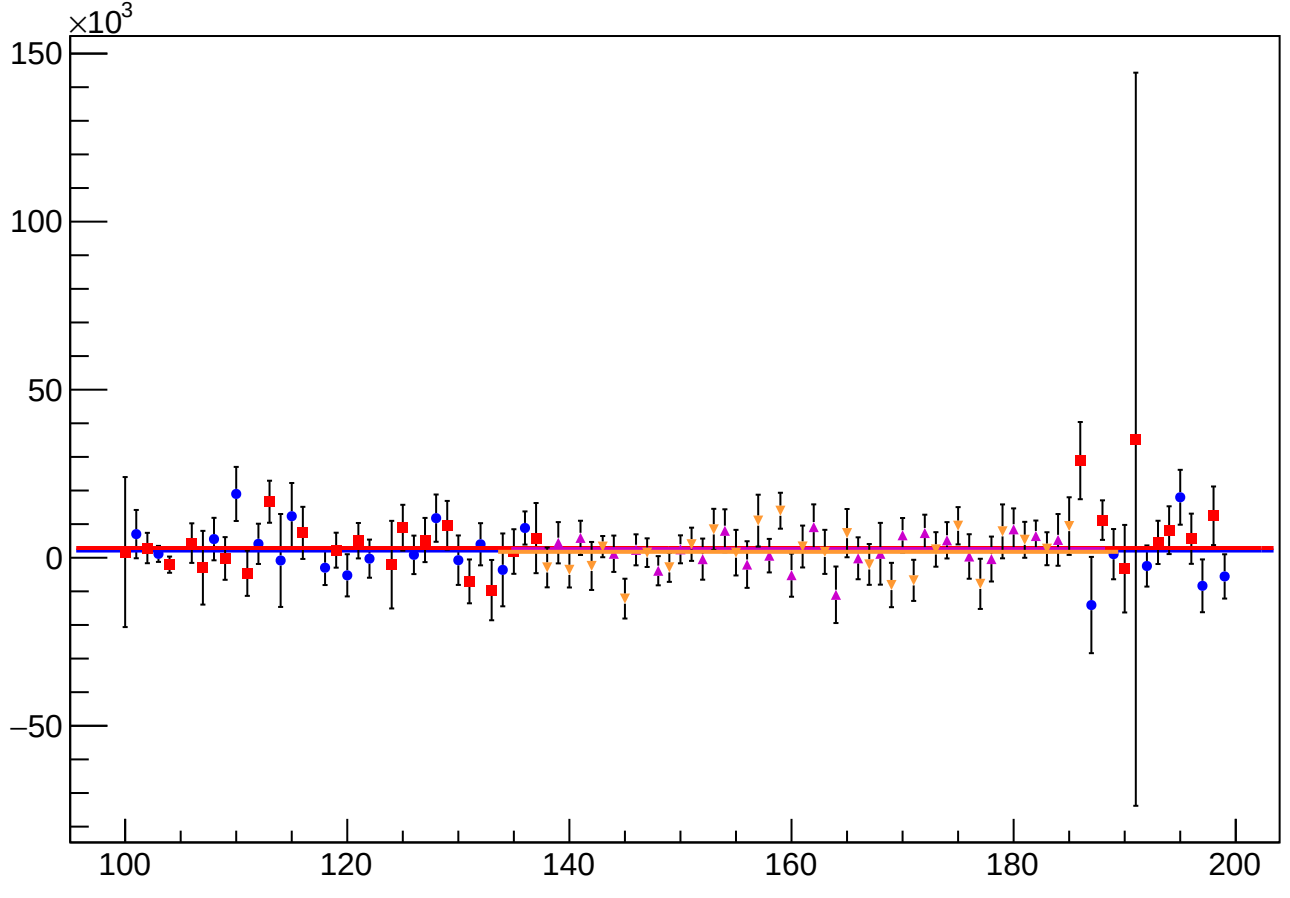
Left: 4892.776+/-0.579 χ^2/NDF: 3274196.2/47

Right: 3796.924+/-0.590 χ^2/NDF: 6749258.7/48

In: 4582.189+/-0.617 χ^2/NDF:4092055.8/44

Out: 4170.674+/-0.556 χ^2/NDF:7444466.7/51

All: 4355.066+/-0.413 χ^2/NDF: 11781902.2/9



Right In: 2142.756+/-1268.283 χ^2/NDF: 22.2/21

Left Out: 1761.683+/-1116.232 χ^2/NDF:27.7/24

Right Out: 2897.221+/-1215.456 χ^2/NDF: 27.1/26

Left In: 2579.960+/-1188.448 χ^2/NDF:13.3/22

Left: 2145.206+/-813.628 χ^2/NDF: 41.2/47

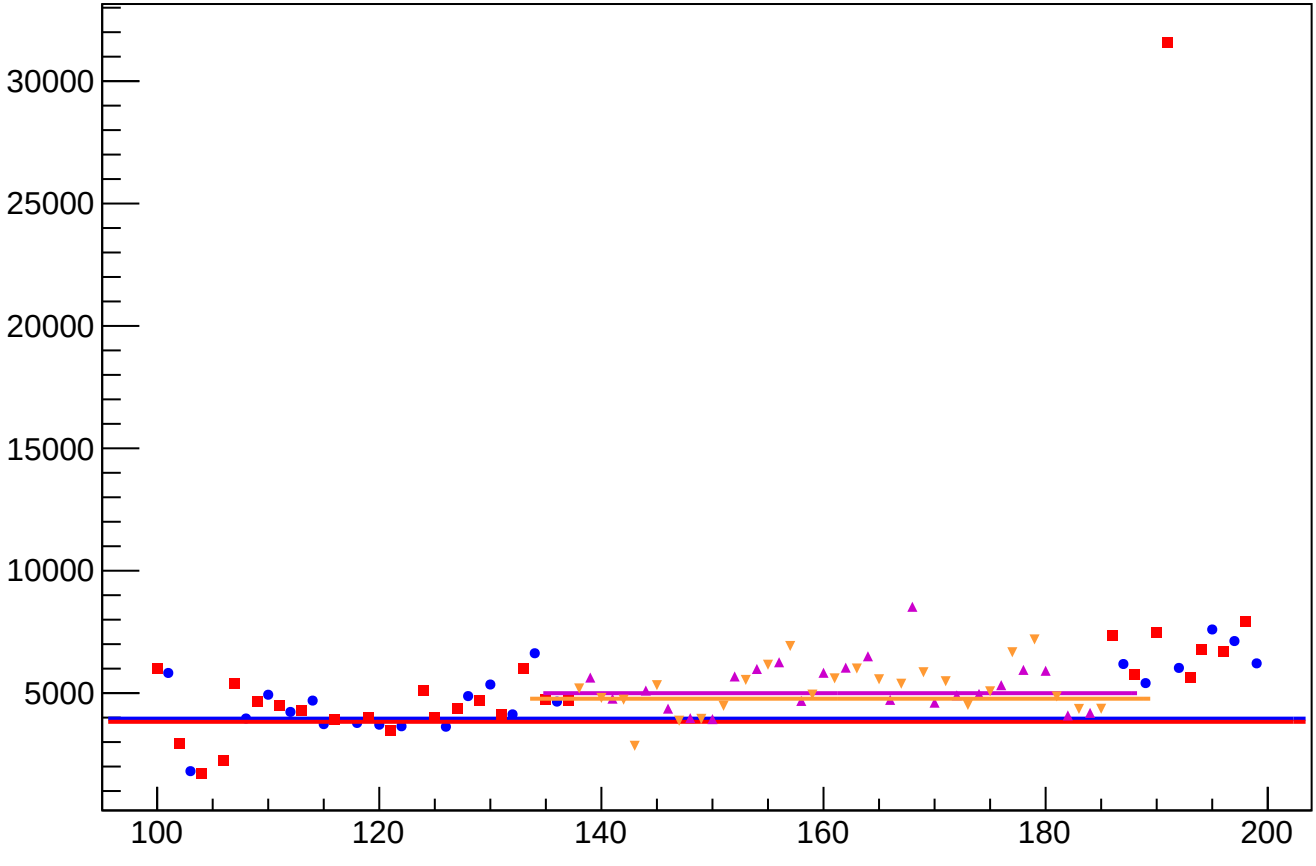
Right: 2536.028+/-877.539 χ^2/NDF: 49.5/48

In: 2375.550+/-867.211 χ^2/NDF:35.5/44

Out: 2281.217+/-822.139 χ^2/NDF:55.3/51

All: 2325.869+/-596.638 χ^2/NDF: 90.8/96

asym_atl_avg_atr_avg_avg_rms vs Slug, Sign Corrected



Right In: 3956.922+/-0.897 χ^2/NDF: 3397771.8/21

Left Out: 4771.181+/-0.789 χ^2/NDF:1787082.6/24

Right Out: 3827.580+/-0.850 χ^2/NDF: 4154339.9/26

Left In: 4996.720+/-0.840 χ^2/NDF:1095876.8/22

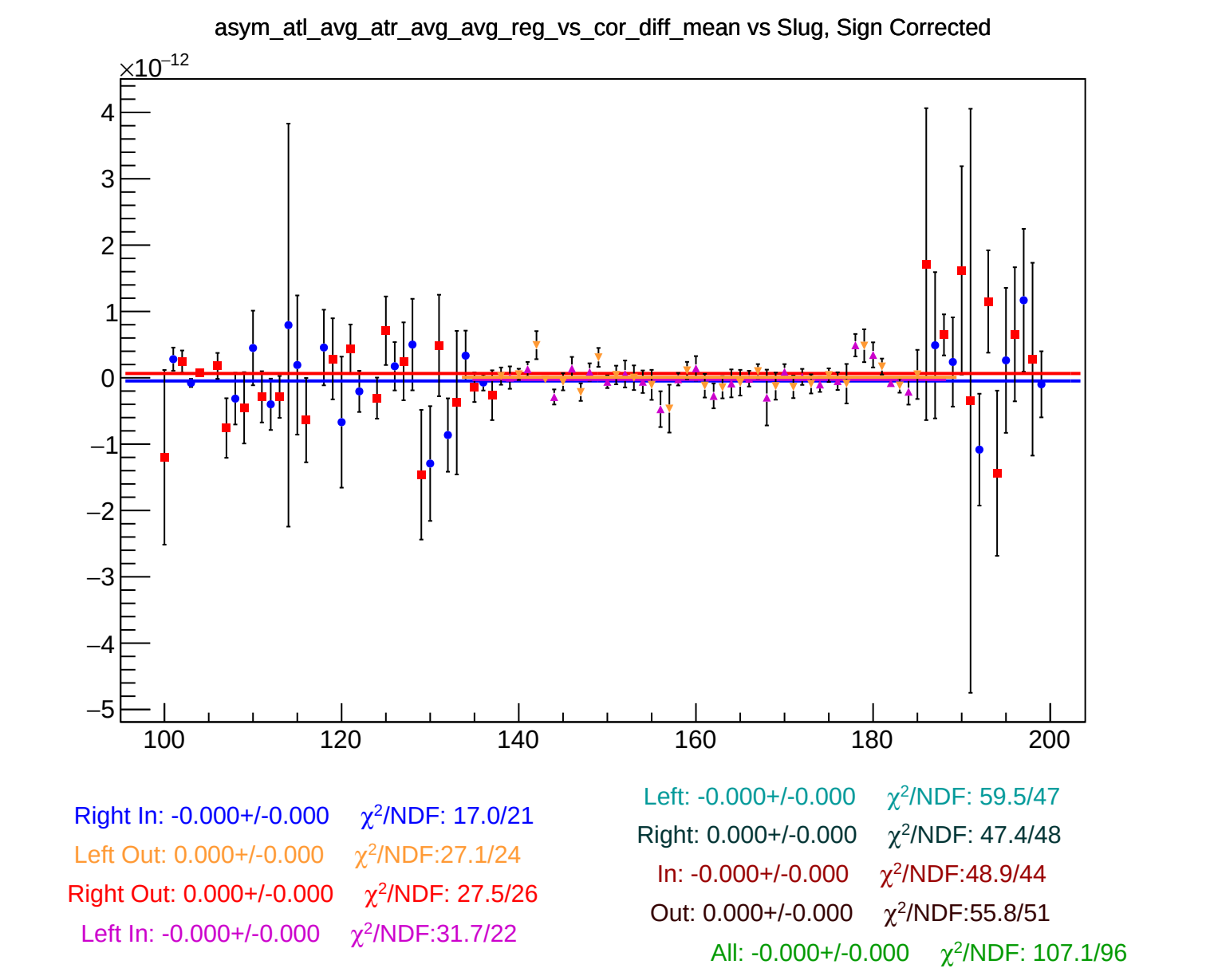
Left: 4876.890+/-0.575 χ^2/NDF: 2921229.4/47

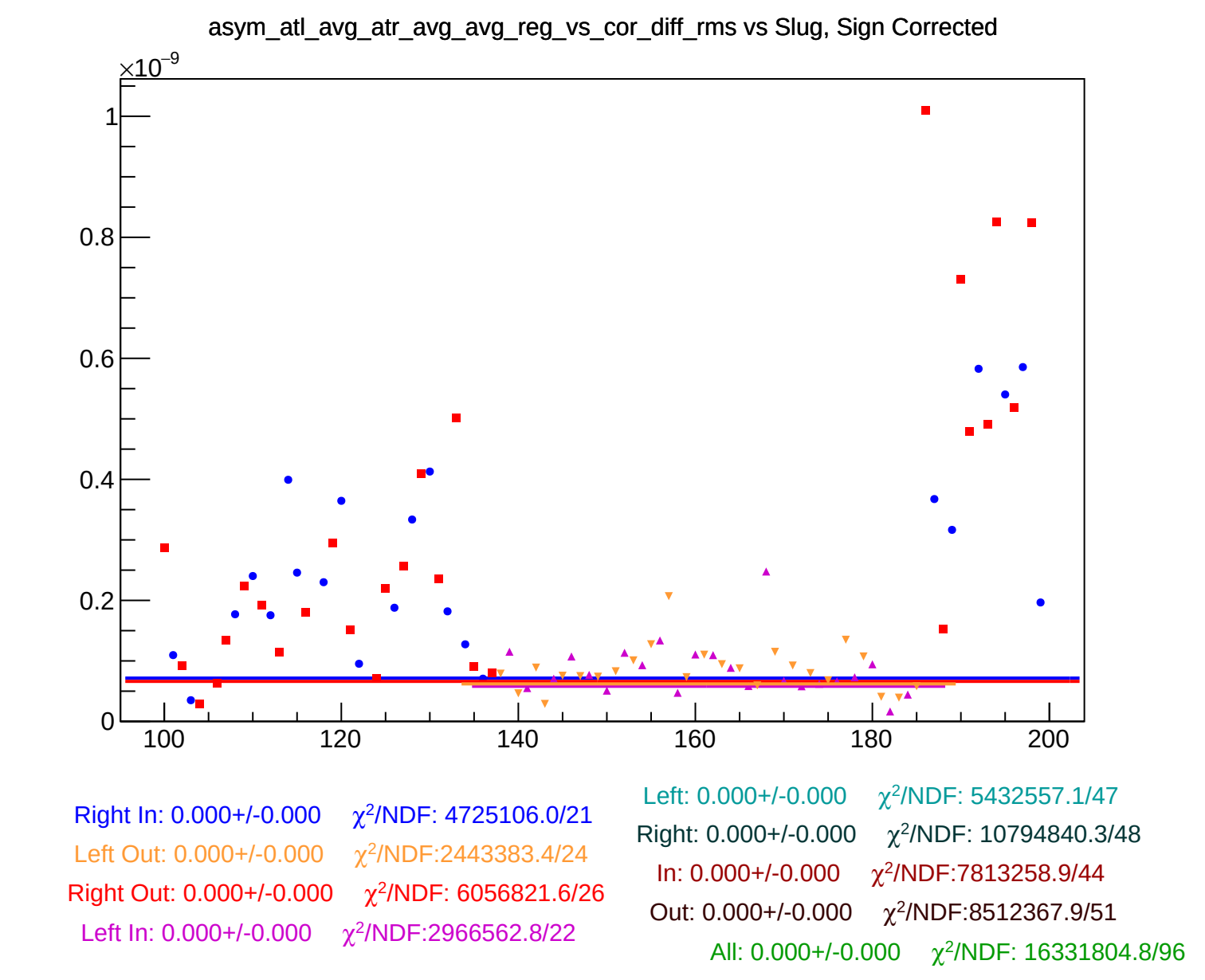
Right: 3888.766+/-0.617 χ^2/NDF: 7563072.7/48

In: 4510.572+/-0.613 χ^2/NDF:5209441.2/44

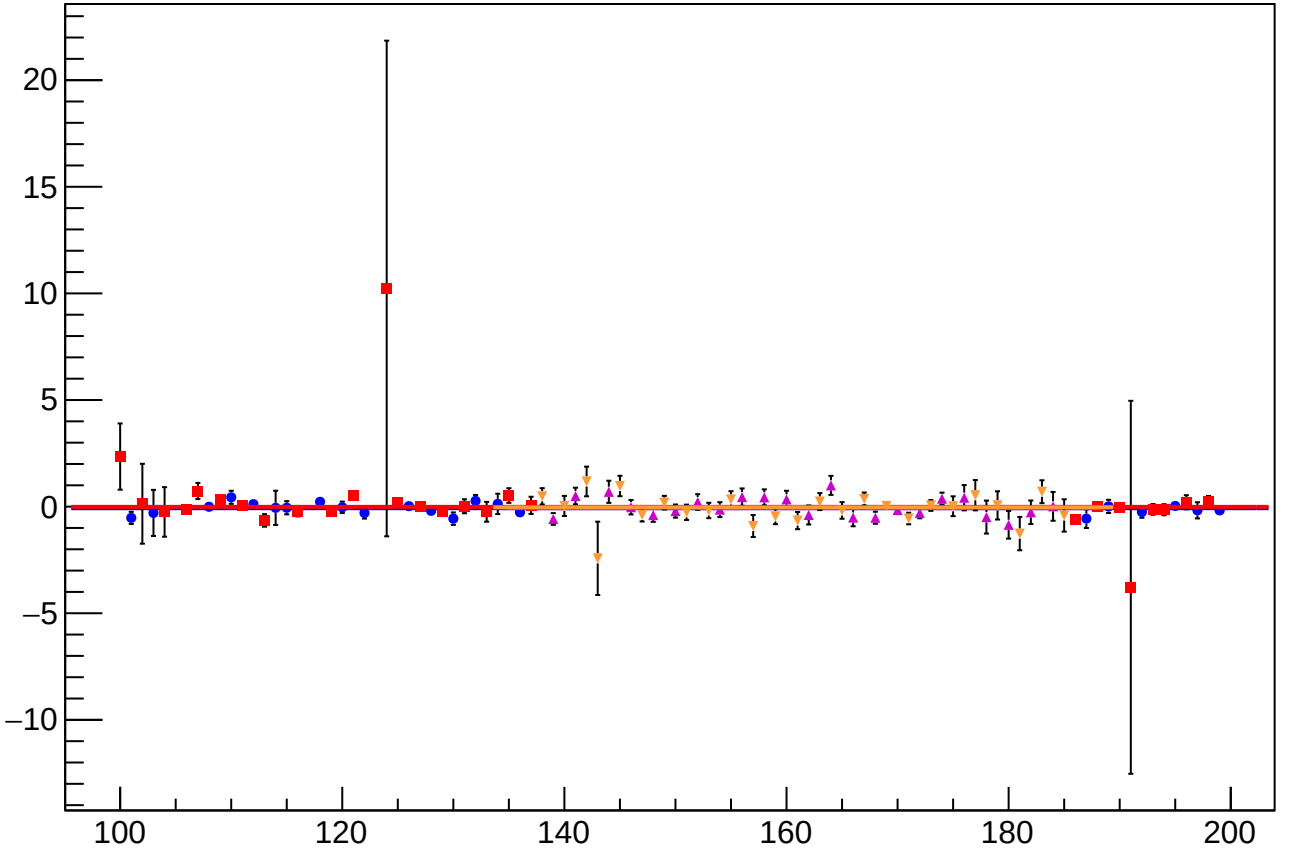
Out: 4334.118+/-0.578 χ^2/NDF:6603415.5/51

All: 4417.179+/-0.421 χ^2/NDF: 11856682.5/9


asym_atl_avg_atr_avg_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
4
3
2
1
0
−1
−2
−3
−4
−5
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 17.0/21
Left Out: 0.000+/-0.000 χ²/NDF:27.1/24
Right Out: 0.000+/-0.000 χ²/NDF: 27.5/26
Left In: -0.000+/-0.000 χ²/NDF:31.7/22
Left: -0.000+/-0.000 χ²/NDF: 59.5/47
Right: 0.000+/-0.000 χ²/NDF: 47.4/48
In: -0.000+/-0.000 χ²/NDF:48.9/44
Out: 0.000+/-0.000 χ²/NDF:55.8/51
All: -0.000+/-0.000 χ²/NDF: 107.1/96


asym_atl_avg_atr_avg_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
1
0.8
0.6
0.4
0.2
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 4725106.0/21
Left Out: 0.000+/-0.000 χ²/NDF:2443383.4/24
Right Out: 0.000+/-0.000 χ²/NDF: 6056821.6/26
Left In: 0.000+/-0.000 χ²/NDF:2966562.8/22
Left: 0.000+/-0.000 χ²/NDF: 5432557.1/47
Right: 0.000+/-0.000 χ²/NDF: 10794840.3/48
In: 0.000+/-0.000 χ²/NDF:7813258.9/44
Out: 0.000+/-0.000 χ²/NDF:8512367.9/51
All: 0.000+/-0.000 χ²/NDF: 16331804.8/96

asym_atl_avg_atr_avg_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.074+/-0.058 χ^2/NDF: 17.3/21

Left Out: -0.035+/-0.077 χ^2/NDF:32.5/24

Right Out: -0.011+/-0.048 χ^2/NDF: 37.0/26

Left In: -0.069+/-0.075 χ^2/NDF:29.9/22

Left: -0.052+/-0.054 χ^2/NDF: 62.6/47

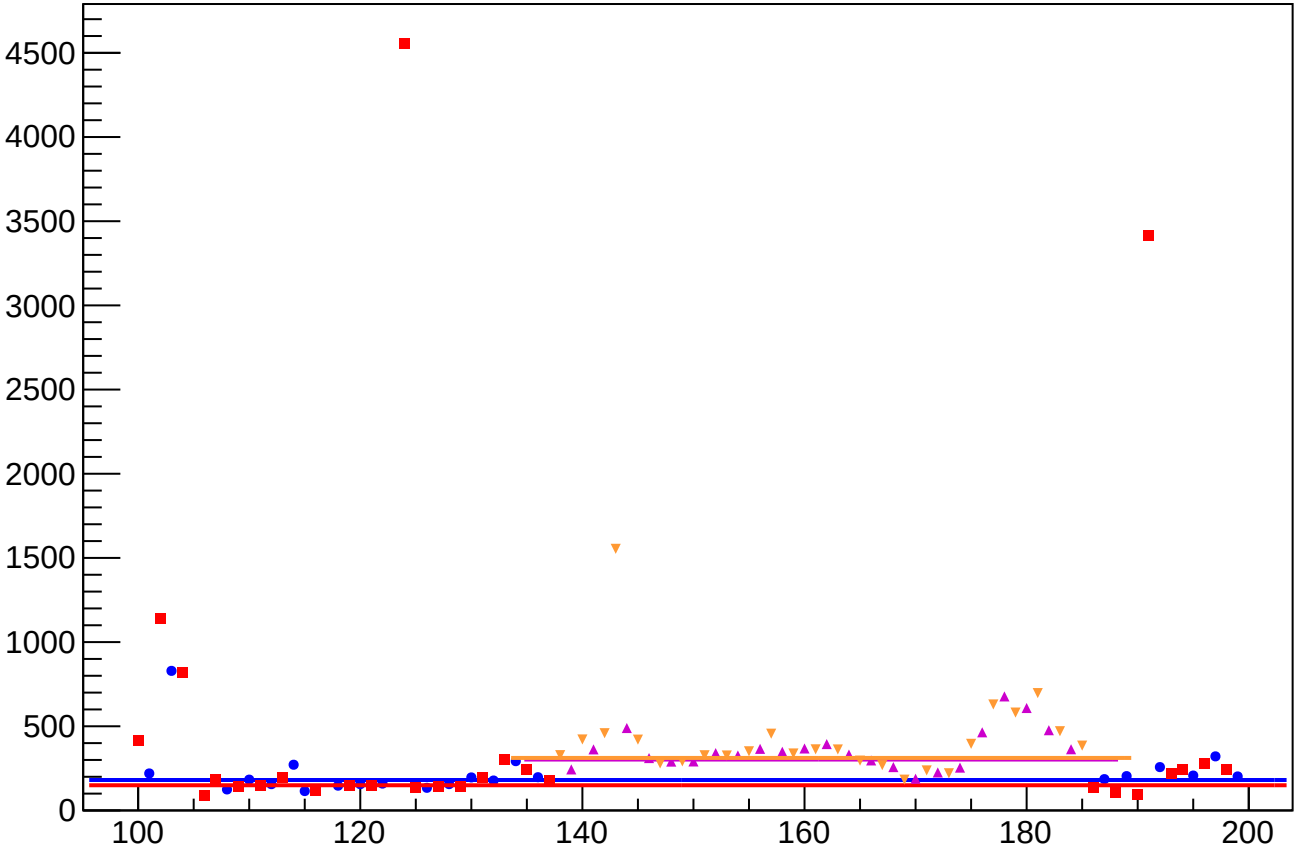
Right: -0.037+/-0.037 χ^2/NDF: 55.0/48

In: -0.072+/-0.046 χ^2/NDF:47.2/44

Out: -0.018+/-0.041 χ^2/NDF:69.6/51

All: -0.042+/-0.030 χ^2/NDF: 117.6/96

asym_atl_avg_atr_avg_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 180.888+/-0.041 χ^2/NDF: 1872051.3/21

Left Out: 311.961+/-0.054 χ^2/NDF:4350162.2/24

Right Out: 149.698+/-0.034 χ^2/NDF: 4089319.0/26

Left In: 302.375+/-0.053 χ^2/NDF:2808730.8/22

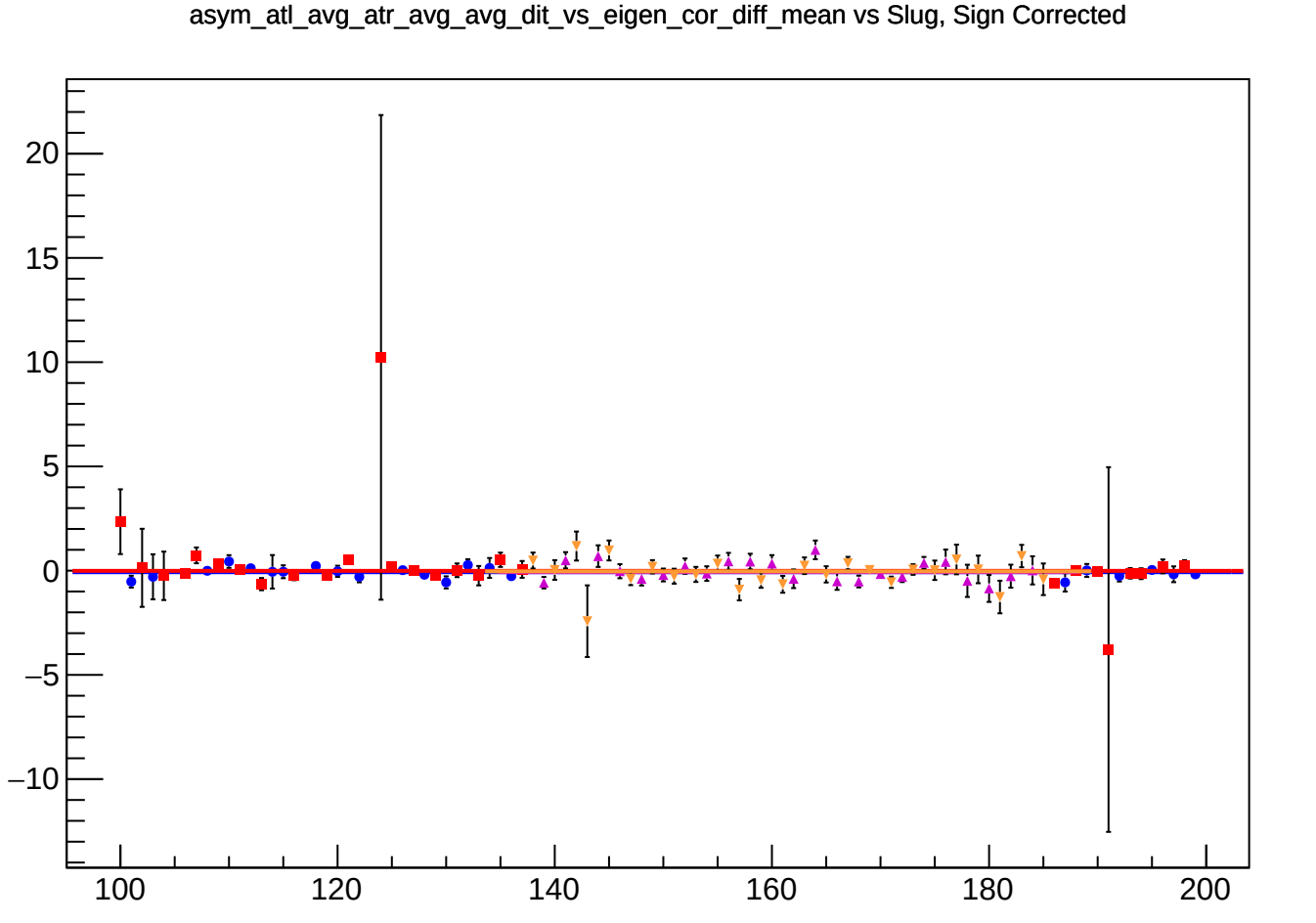
Left: 307.056+/-0.038 χ^2/NDF: 7174887.7/47

Right: 162.625+/-0.026 χ^2/NDF: 6304737.7/48

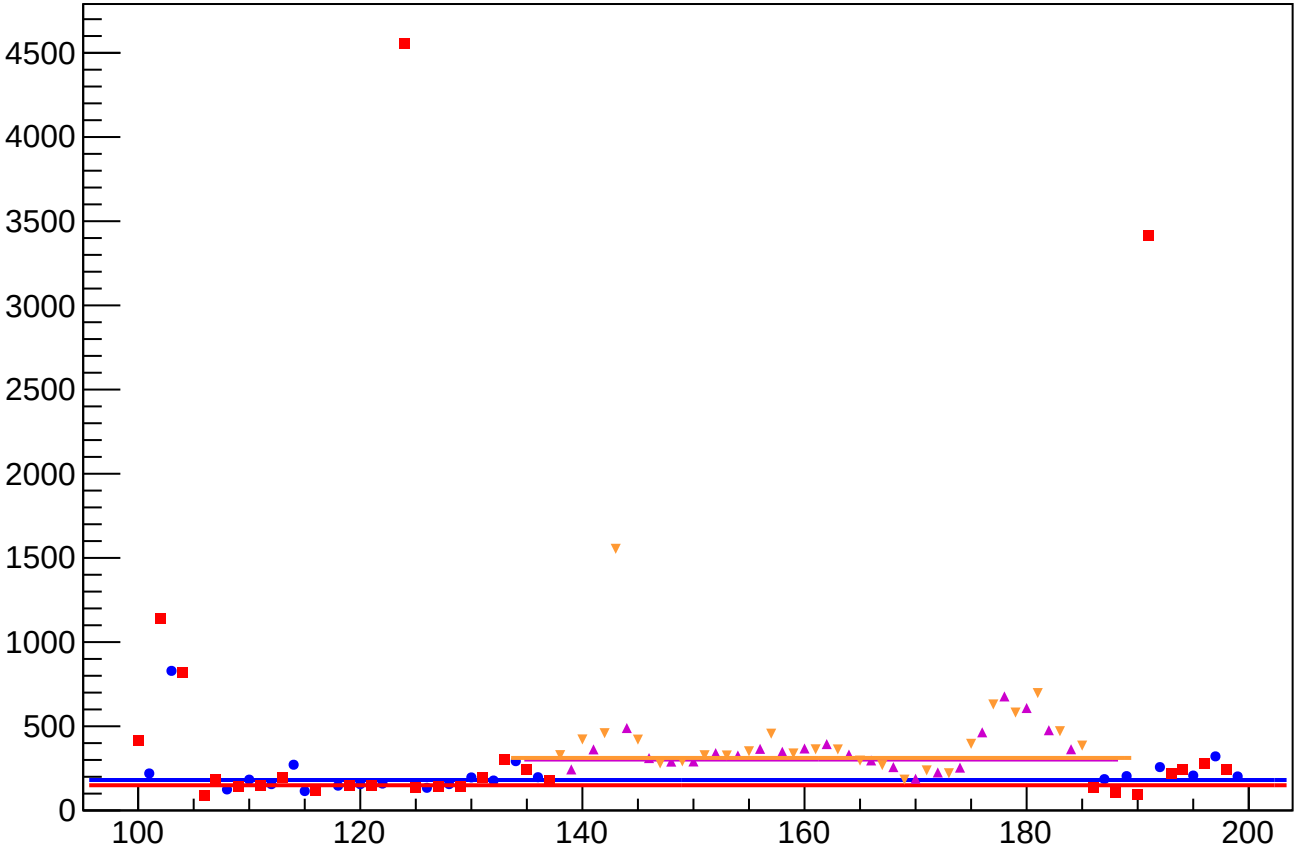
In: 226.039+/-0.032 χ^2/NDF:7987364.6/44

Out: 196.017+/-0.029 χ^2/NDF:14839839.7/51

All: 209.406+/-0.022 χ^2/NDF: 23306277.2/96


asym_atl_avg_atr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
20
15
10
5
0
−5
−10
100
120
140
160
180
200
Right In: -0.074+/-0.058 χ²/NDF: 17.3/21
Left Out: -0.035+/-0.077 χ²/NDF:32.5/24
Right Out: -0.011+/-0.048 χ²/NDF: 37.0/26
Left In: -0.069+/-0.075 χ²/NDF:29.9/22
Left: -0.052+/-0.054 χ²/NDF: 62.6/47
Right: -0.037+/-0.037 χ²/NDF: 55.0/48
In: -0.072+/-0.046 χ²/NDF:47.2/44
Out: -0.018+/-0.041 χ²/NDF:69.6/51
All: -0.042+/-0.030 χ²/NDF: 117.6/96

asym_atl_avg_atr_avg_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 180.888+/-0.041 χ^2/NDF: 1872051.3/21

Left Out: 311.961+/-0.054 χ^2/NDF:4350162.2/24

Right Out: 149.698+/-0.034 χ^2/NDF: 4089319.0/26

Left In: 302.375+/-0.053 χ^2/NDF:2808730.8/22

Left: 307.056+/-0.038 χ^2/NDF: 7174887.7/47

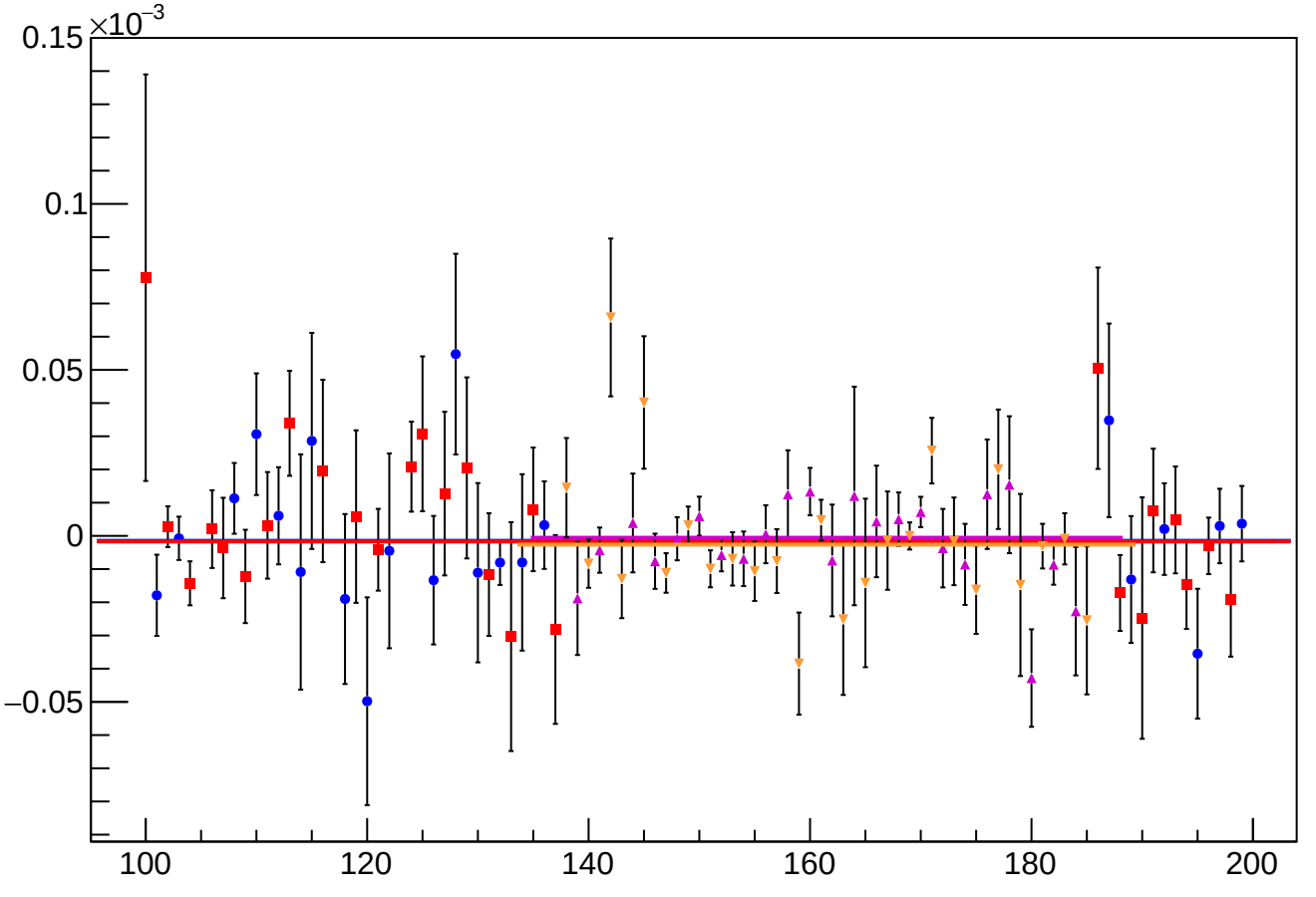
Right: 162.625+/-0.026 χ^2/NDF: 6304737.7/48

In: 226.039+/-0.032 χ^2/NDF:7987364.6/44

Out: 196.017+/-0.029 χ^2/NDF:14839839.7/51

All: 209.406+/-0.022 χ^2/NDF: 23306277.2/96

asym_atl_avg_atr_avg_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 20.9/21

Left Out: -0.000+/-0.000 χ^2/NDF:42.4/24

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

Left In: -0.000+/-0.000 χ^2/NDF:26.9/22

Left: -0.000+/-0.000 χ^2/NDF: 70.0/47

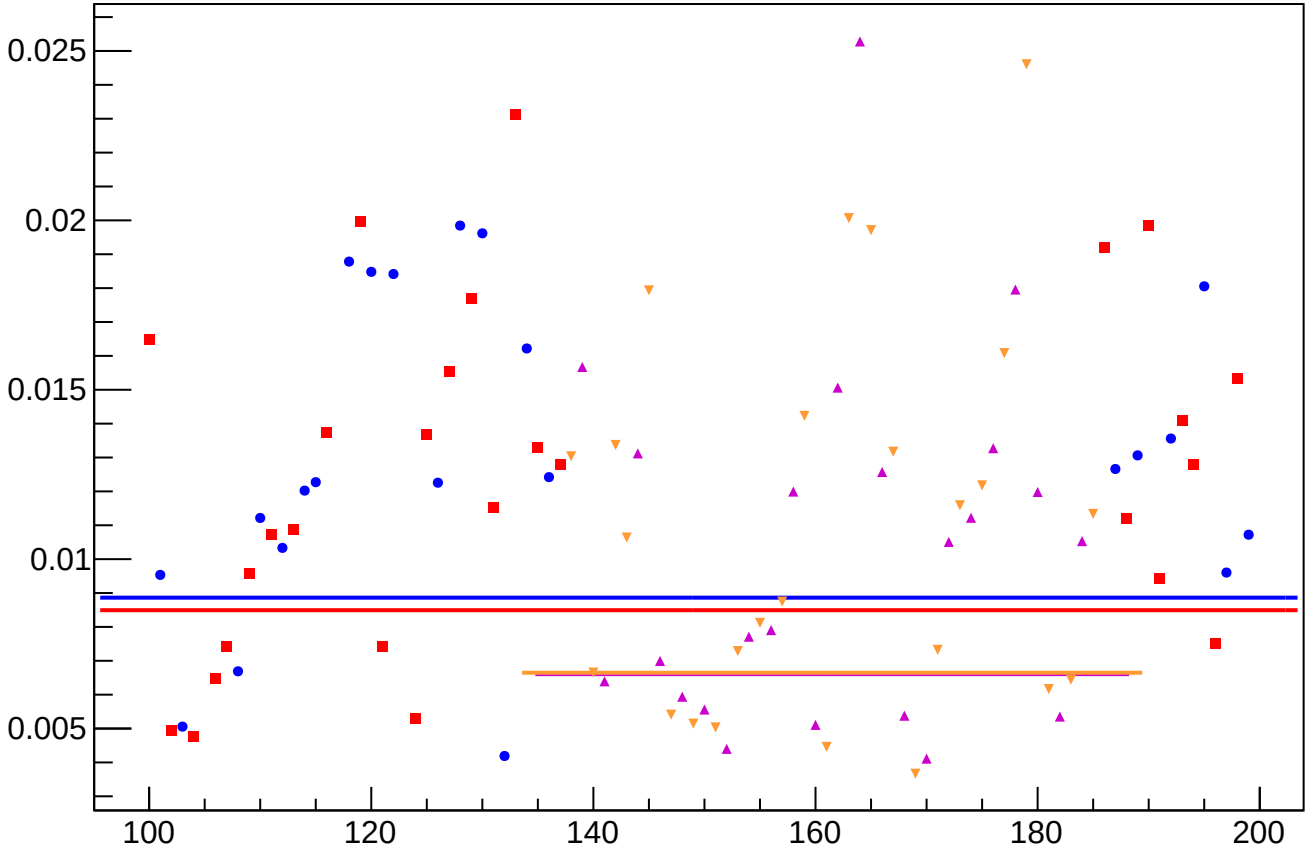
Right: -0.000+/-0.000 χ^2/NDF: 48.7/48

In: -0.000+/-0.000 χ^2/NDF:47.8/44

Out: -0.000+/-0.000 χ^2/NDF:70.4/51

All: -0.000+/-0.000 χ^2/NDF: 118.7/96

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: 4334937.1/21

Left Out: 0.007+/-0.000 χ^2/NDF:7513935.6/24

Right Out: 0.008+/-0.000 χ^2/NDF: 4521878.5/26

Left In: 0.007+/-0.000 χ^2/NDF:5855747.2/22

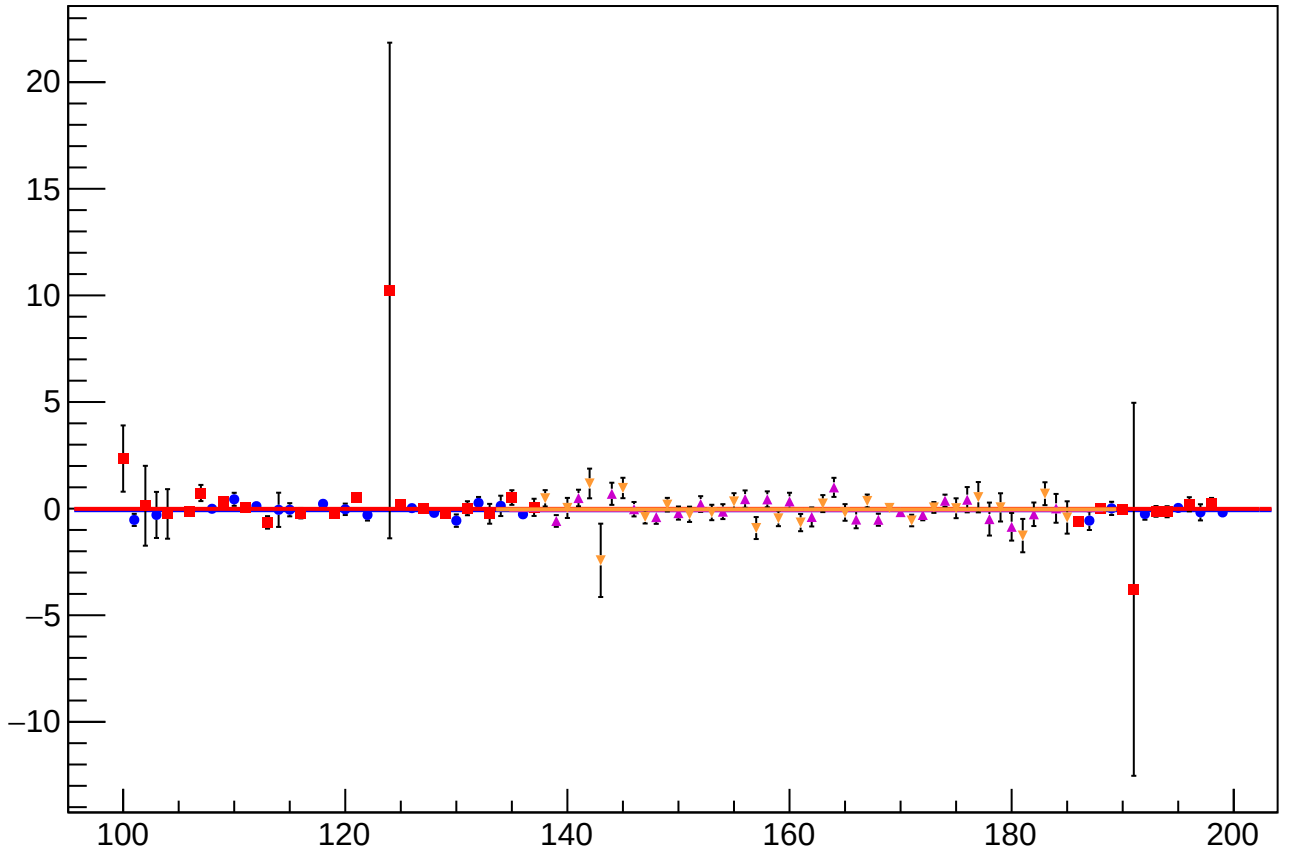
Left: 0.007+/-0.000 χ^2/NDF: 13370244.6/47

Right: 0.009+/-0.000 χ^2/NDF: 8874072.9/48

In: 0.007+/-0.000 χ^2/NDF:11045363.8/44

Out: 0.007+/-0.000 χ^2/NDF:12708956.4/51

All: 0.007+/-0.000 χ^2/NDF: 23754331.5/96



Right In: -0.074+/-0.058 χ^2/NDF: 17.3/21

Left Out: -0.035+/-0.077 χ^2/NDF:32.5/24

Right Out: -0.011+/-0.048 χ^2/NDF: 37.0/26

Left In: -0.069+/-0.075 χ^2/NDF:29.9/22

Left: -0.052+/-0.054 χ^2/NDF: 62.6/47

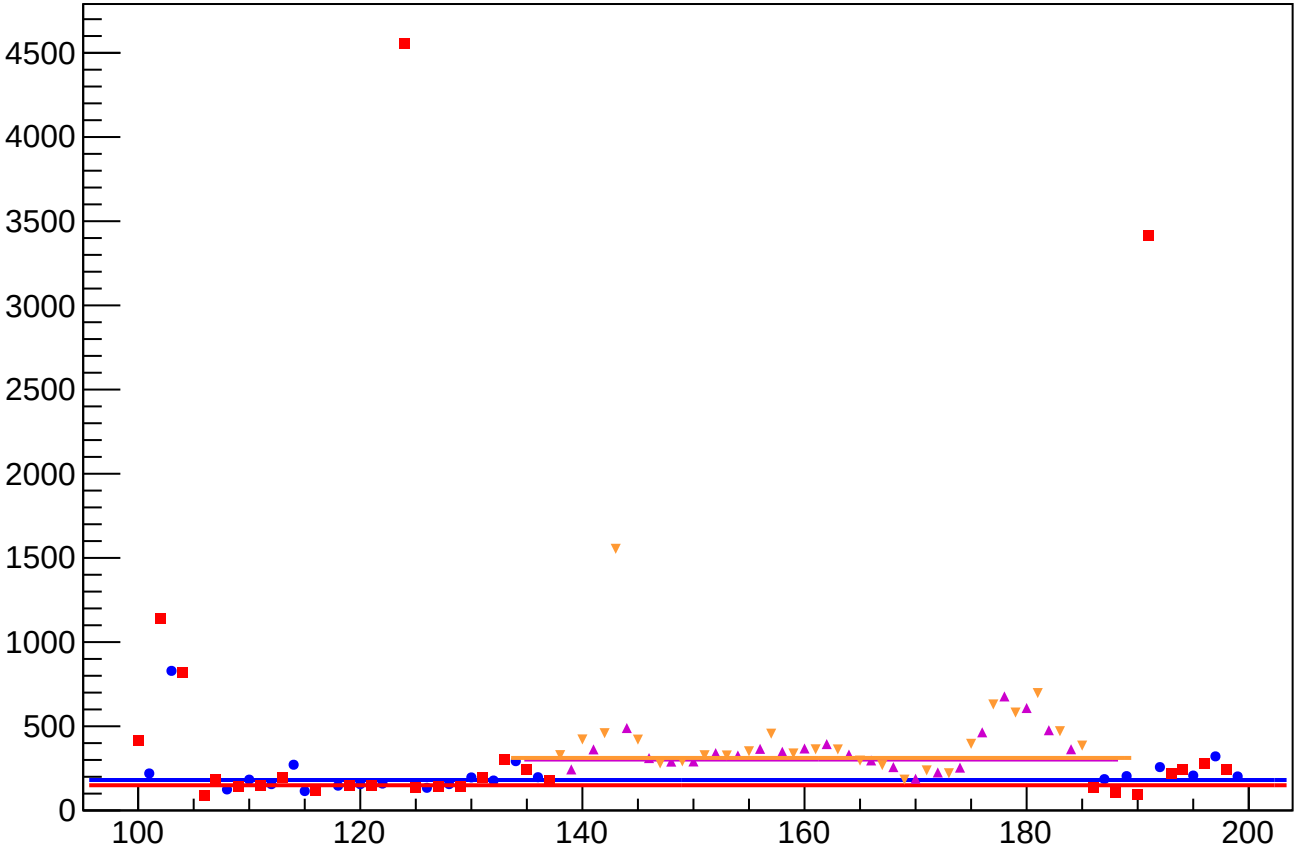
Right: -0.037+/-0.037 χ^2/NDF: 55.0/48

In: -0.072+/-0.046 χ^2/NDF:47.2/44

Out: -0.018+/-0.041 χ^2/NDF:69.6/51

All: -0.042+/-0.030 χ^2/NDF: 117.6/96

asym_atl_avg_atr_avg_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 180.887+/-0.041 χ^2/NDF: 1872050.1/21

Left Out: 311.961+/-0.054 χ^2/NDF:4350376.6/24

Right Out: 149.694+/-0.034 χ^2/NDF: 4089477.0/26

Left In: 302.377+/-0.053 χ^2/NDF:2808874.8/22

Left: 307.056+/-0.038 χ^2/NDF: 7175242.0/47

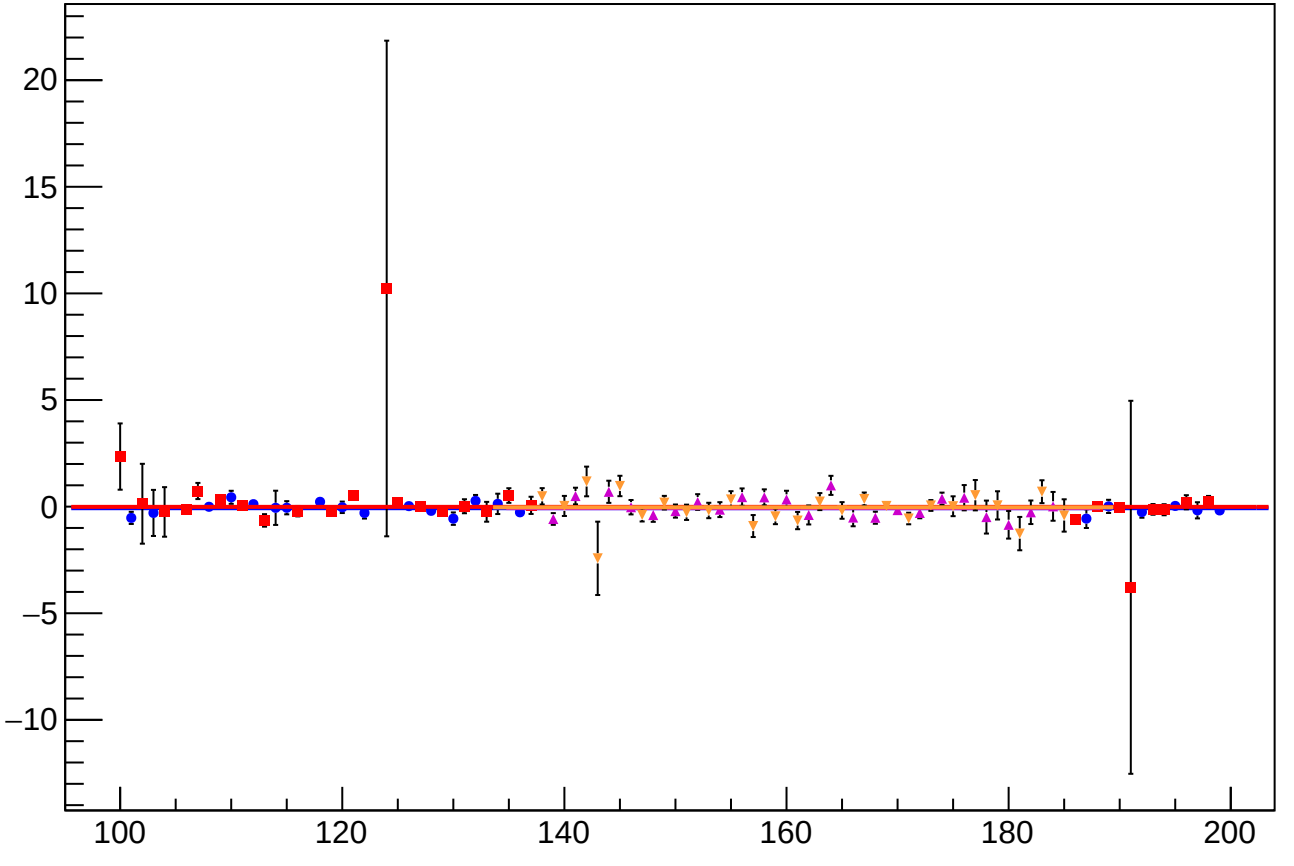
Right: 162.623+/-0.026 χ^2/NDF: 6304969.3/48

In: 226.039+/-0.032 χ^2/NDF:7987577.3/44

Out: 196.013+/-0.029 χ^2/NDF:14840529.1/51

All: 209.403+/-0.022 χ^2/NDF: 23307296.9/96

asym_atl_avg_atr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.074+/-0.058 χ^2/NDF: 17.3/21

Left Out: -0.035+/-0.077 χ^2/NDF:32.5/24

Right Out: -0.011+/-0.048 χ^2/NDF: 37.0/26

Left In: -0.069+/-0.075 χ^2/NDF:29.9/22

Left: -0.052+/-0.054 χ^2/NDF: 62.6/47

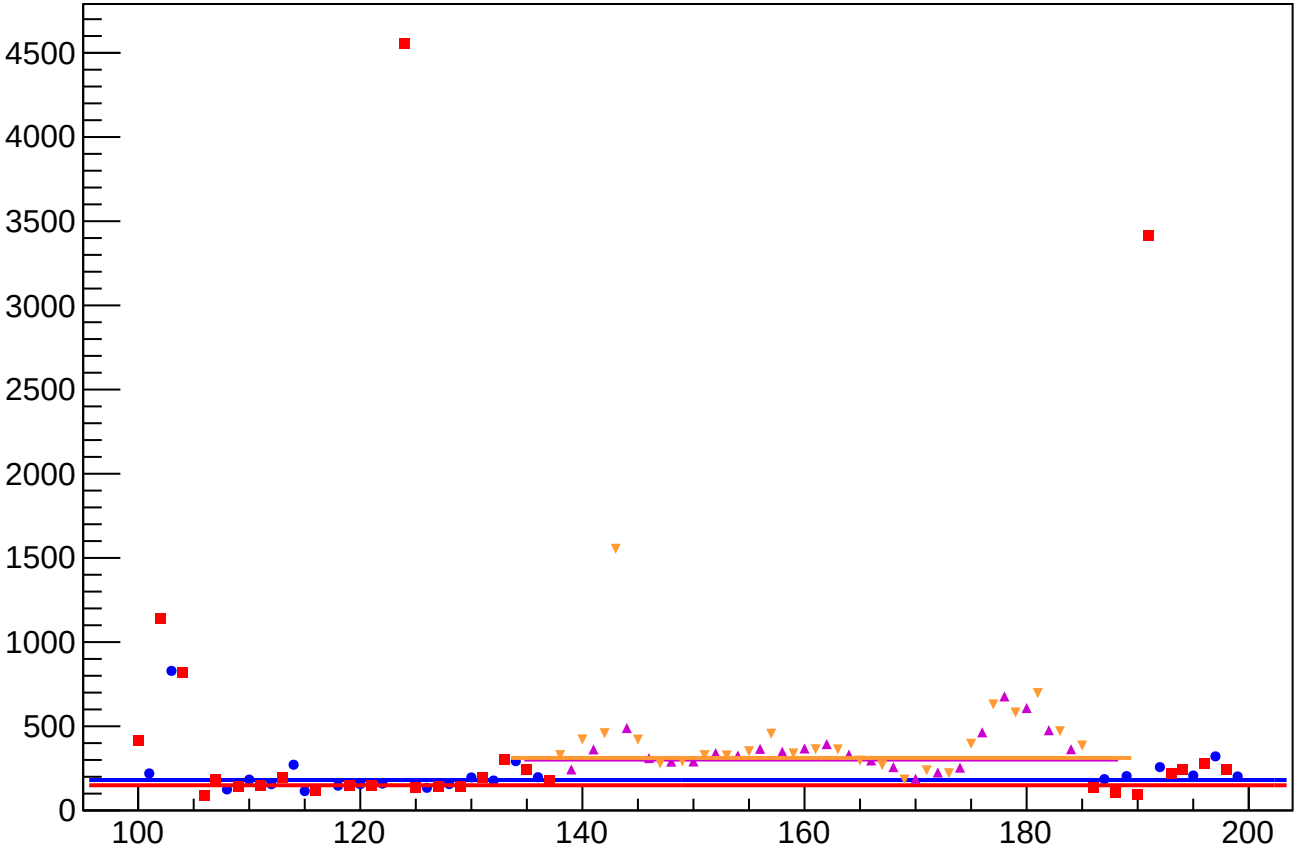
Right: -0.037+/-0.037 χ^2/NDF: 55.0/48

In: -0.072+/-0.046 χ^2/NDF:47.2/44

Out: -0.018+/-0.041 χ^2/NDF:69.6/51

All: -0.042+/-0.030 χ^2/NDF: 117.6/96

asym_atl_avg_atr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 180.887+/-0.041 χ^2/NDF: 1872050.1/21

Left Out: 311.961+/-0.054 χ^2/NDF:4350376.6/24

Right Out: 149.694+/-0.034 χ^2/NDF: 4089477.0/26

Left In: 302.377+/-0.053 χ^2/NDF:2808874.8/22

Left: 307.056+/-0.038 χ^2/NDF: 7175242.0/47

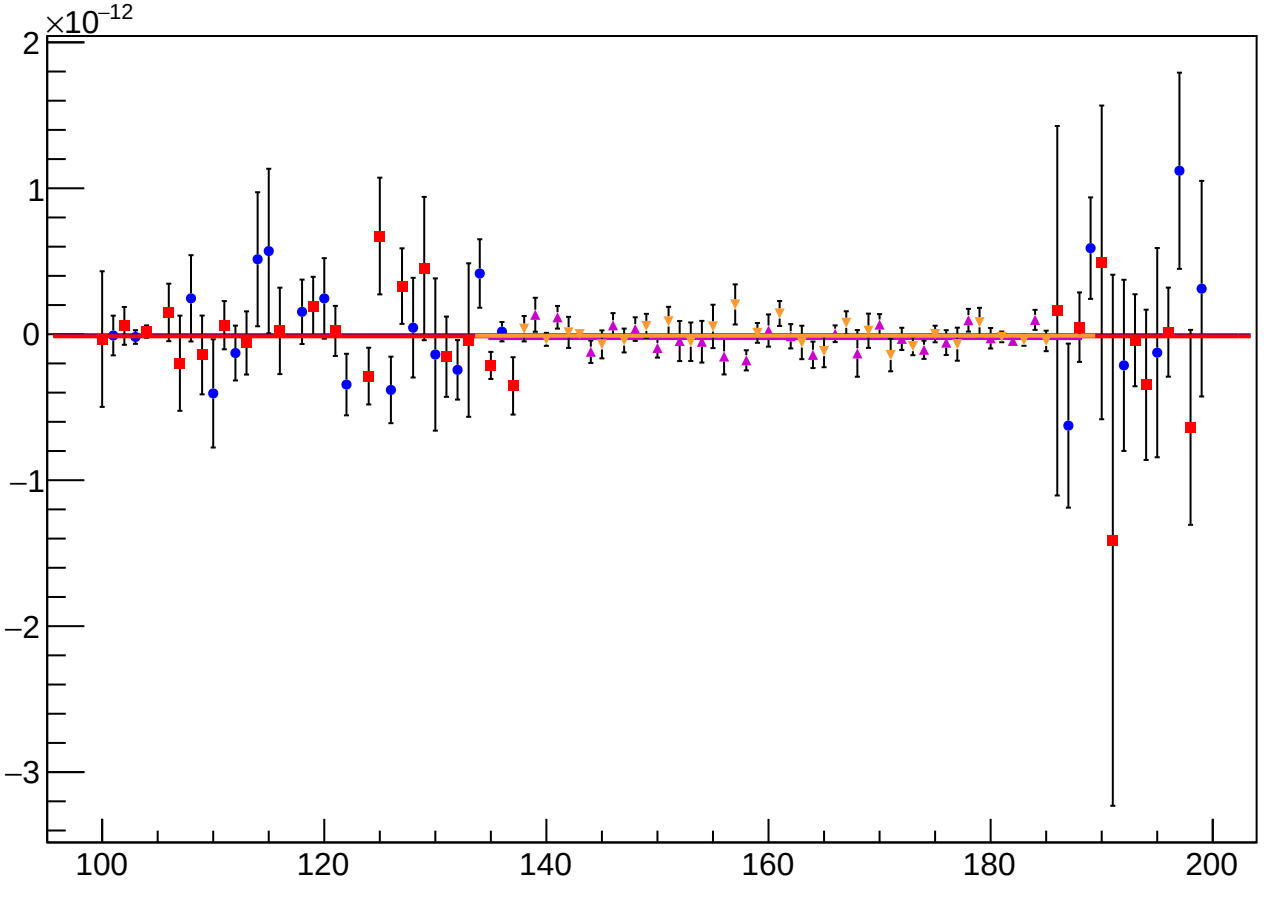
Right: 162.623+/-0.026 χ^2/NDF: 6304969.3/48

In: 226.039+/-0.032 χ^2/NDF:7987577.3/44

Out: 196.013+/-0.029 χ^2/NDF:14840529.1/51

All: 209.403+/-0.022 χ^2/NDF: 23307296.9/96

asym_atl_avg_atr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 23.5/21

Left Out: -0.000+/-0.000 χ^2/NDF:16.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 21.1/26

Left In: -0.000+/-0.000 χ^2/NDF:27.6/22

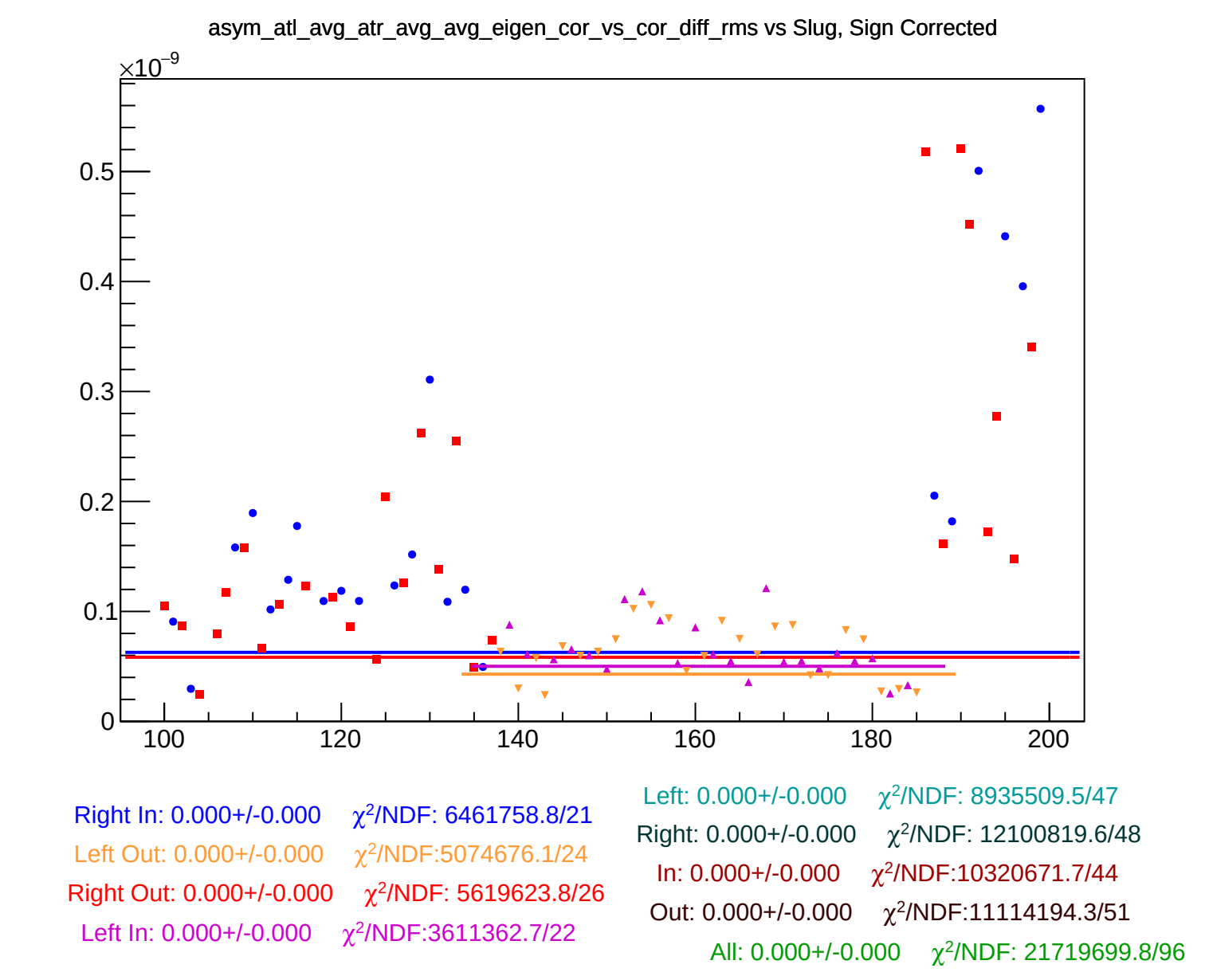
Left: -0.000+/-0.000 χ^2/NDF: 44.4/47

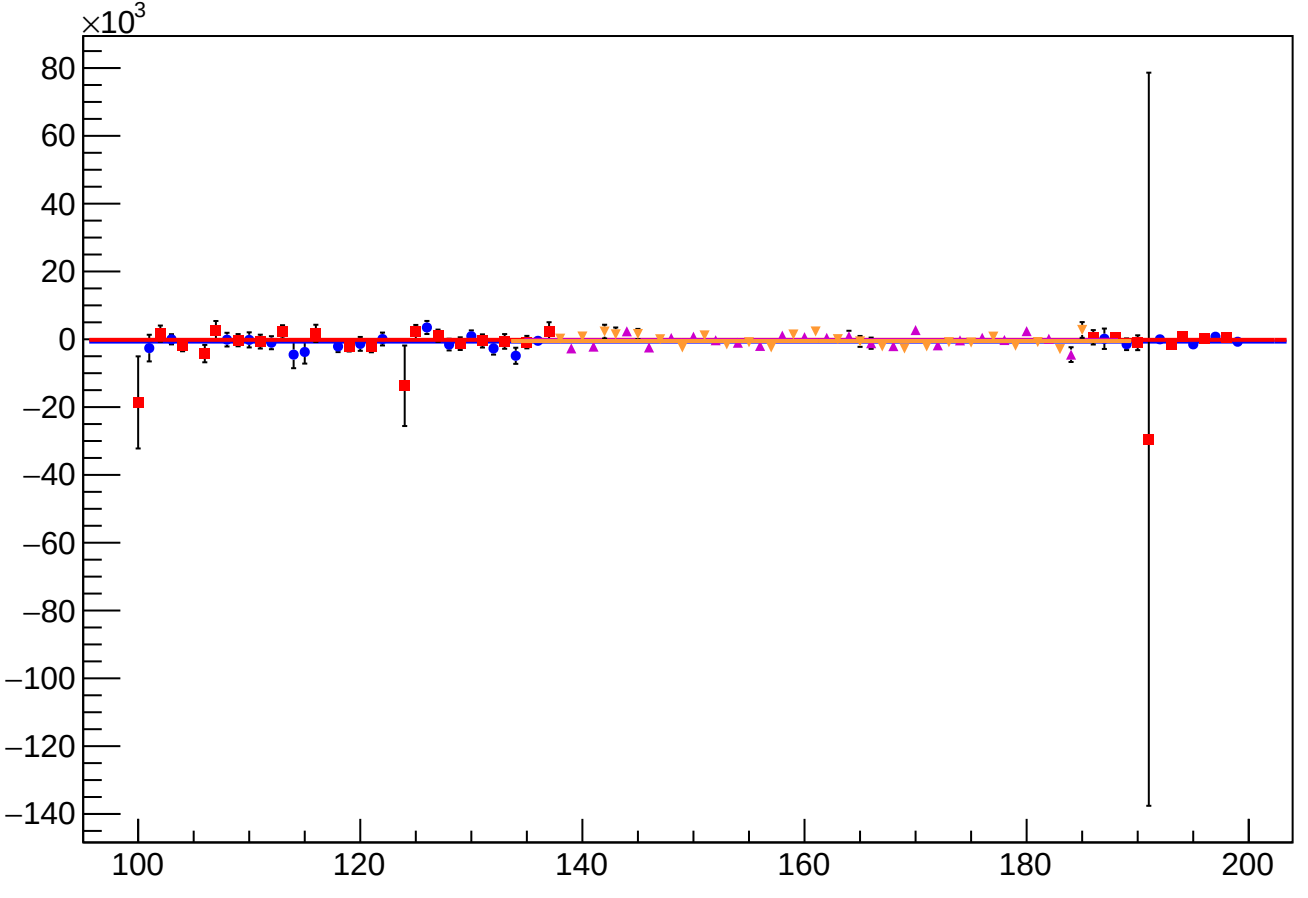
Right: -0.000+/-0.000 χ^2/NDF: 44.6/48

In: -0.000+/-0.000 χ^2/NDF:51.4/44

Out: -0.000+/-0.000 χ^2/NDF:37.3/51

All: -0.000+/-0.000 χ^2/NDF: 89.1/96


asym_atl_avg_atr_avg_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.5
0.4
0.3
0.2
0.1
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 6461758.8/21
Left Out: 0.000+/-0.000 χ²/NDF:5074676.1/24
Right Out: 0.000+/-0.000 χ²/NDF: 5619623.8/26
Left In: 0.000+/-0.000 χ²/NDF:3611362.7/22
Left: 0.000+/-0.000 χ²/NDF: 8935509.5/47
Right: 0.000+/-0.000 χ²/NDF: 12100819.6/48
In: 0.000+/-0.000 χ²/NDF:10320671.7/44
Out: 0.000+/-0.000 χ²/NDF:11114194.3/51
All: 0.000+/-0.000 χ²/NDF: 21719699.8/96



Right In: -681.214+/-382.300 χ^2/NDF: 15.4/21

Left Out: -514.484+/-285.945 χ^2/NDF:30.9/24

Right Out: -161.282+/-371.274 χ^2/NDF: 18.2/26

Left In: -242.686+/-291.166 χ^2/NDF:32.0/22

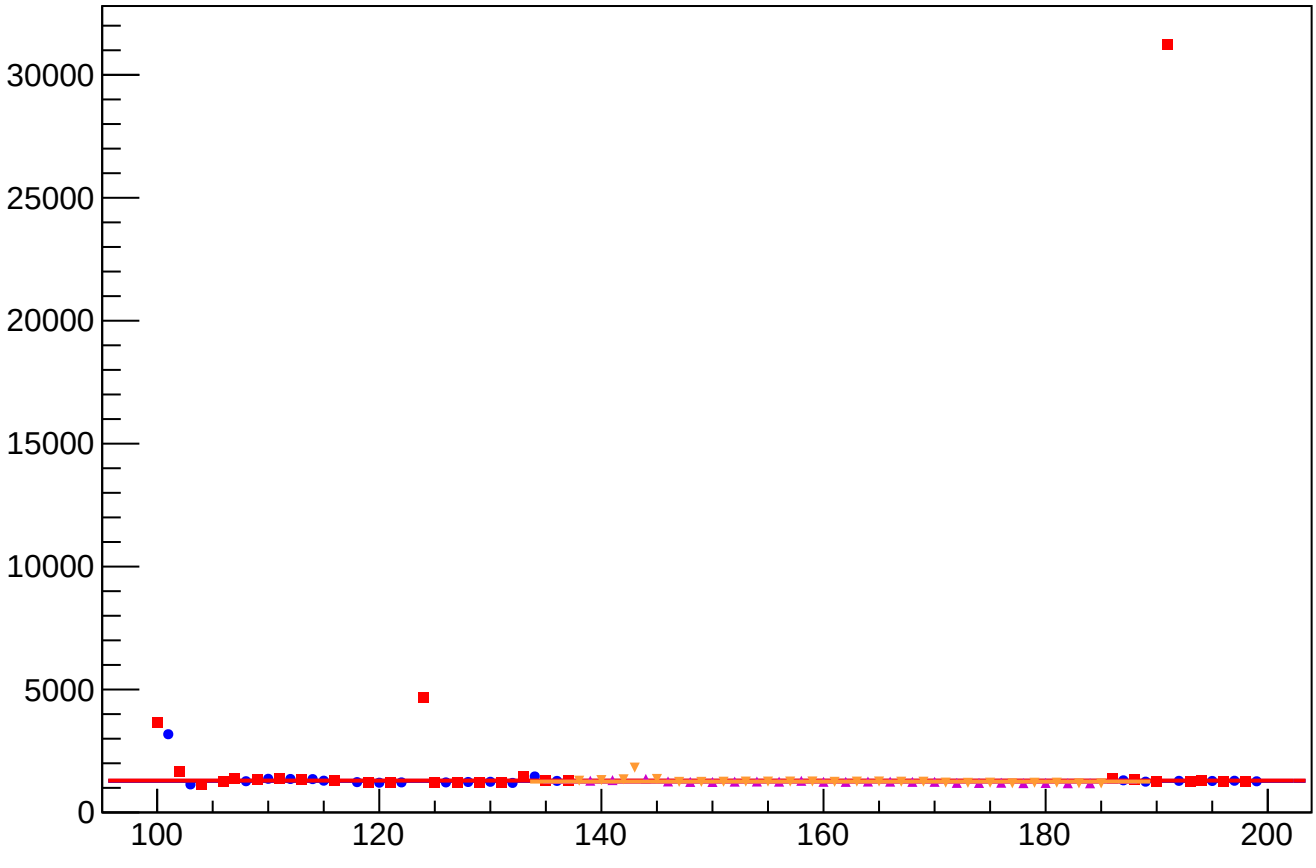
Left: -381.044+/-204.014 χ^2/NDF: 63.4/47

Right: -413.643+/-266.343 χ^2/NDF: 34.5/48

In: -403.675+/-231.635 χ^2/NDF:48.3/44

Out: -382.981+/-226.544 χ^2/NDF:49.6/51

All: -393.098+/-161.961 χ^2/NDF: 97.9/96



Right In: 1283.048+/-0.270 χ^2/NDF: 519291.2/21

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.1/24

Right Out: 1296.181+/-0.263 χ^2/NDF: 490057.0/26

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

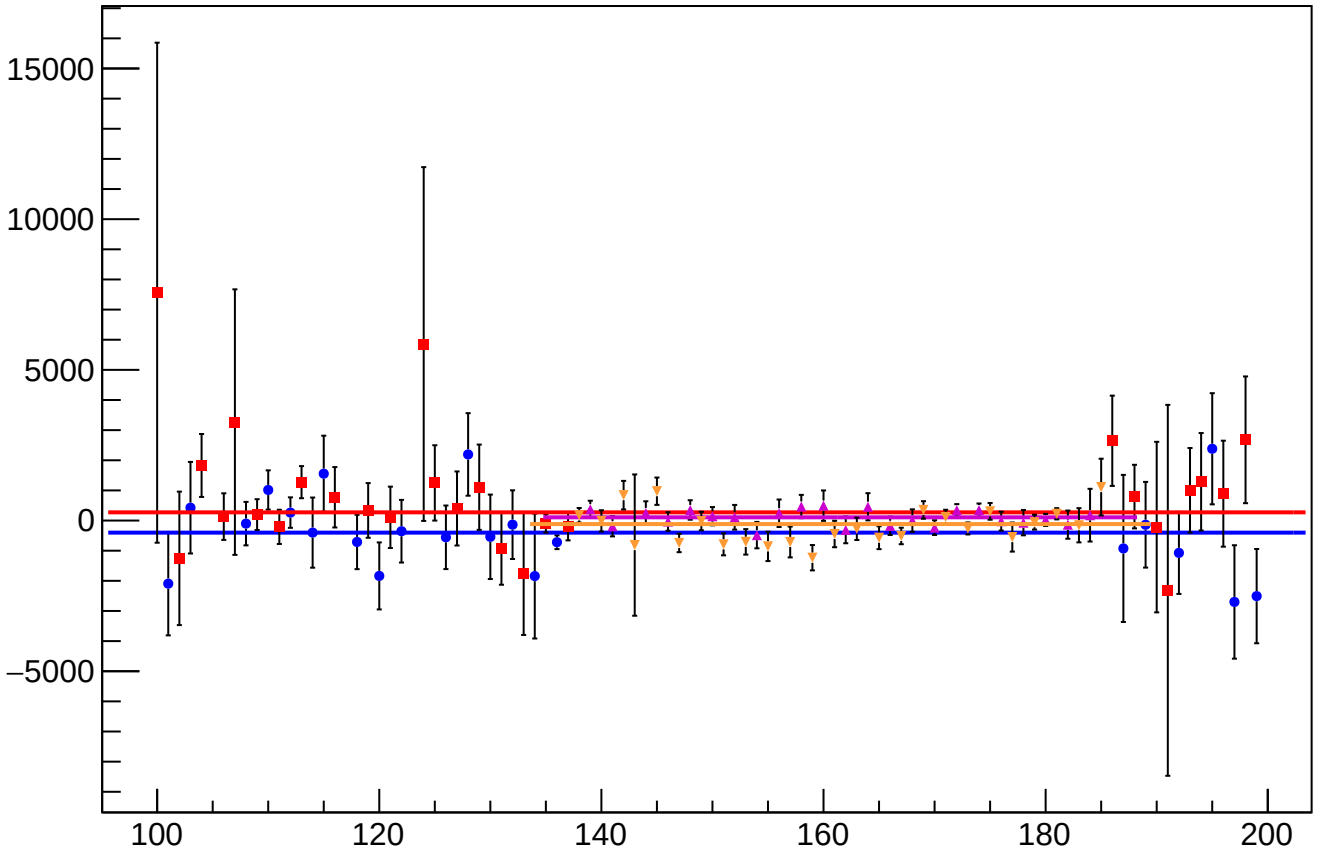
Left: 1251.017+/-0.144 χ^2/NDF: 243988.6/47

Right: 1289.807+/-0.188 χ^2/NDF: 1010562.9/48

In: 1259.825+/-0.164 χ^2/NDF:570809.2/44

Out: 1270.655+/-0.160 χ^2/NDF:708242.6/51

All: 1265.360+/-0.115 χ^2/NDF: 1281286.3/96



Right In: -400.998+/-163.227 χ^2/NDF: 24.1/21

Left Out: -117.028+/-65.059 χ^2/NDF:48.4/24

Right Out: 272.421+/-162.841 χ^2/NDF: 20.0/26

Left In: 107.341+/-67.001 χ^2/NDF:13.7/22

Left: -8.142+/-46.675 χ^2/NDF: 67.9/47

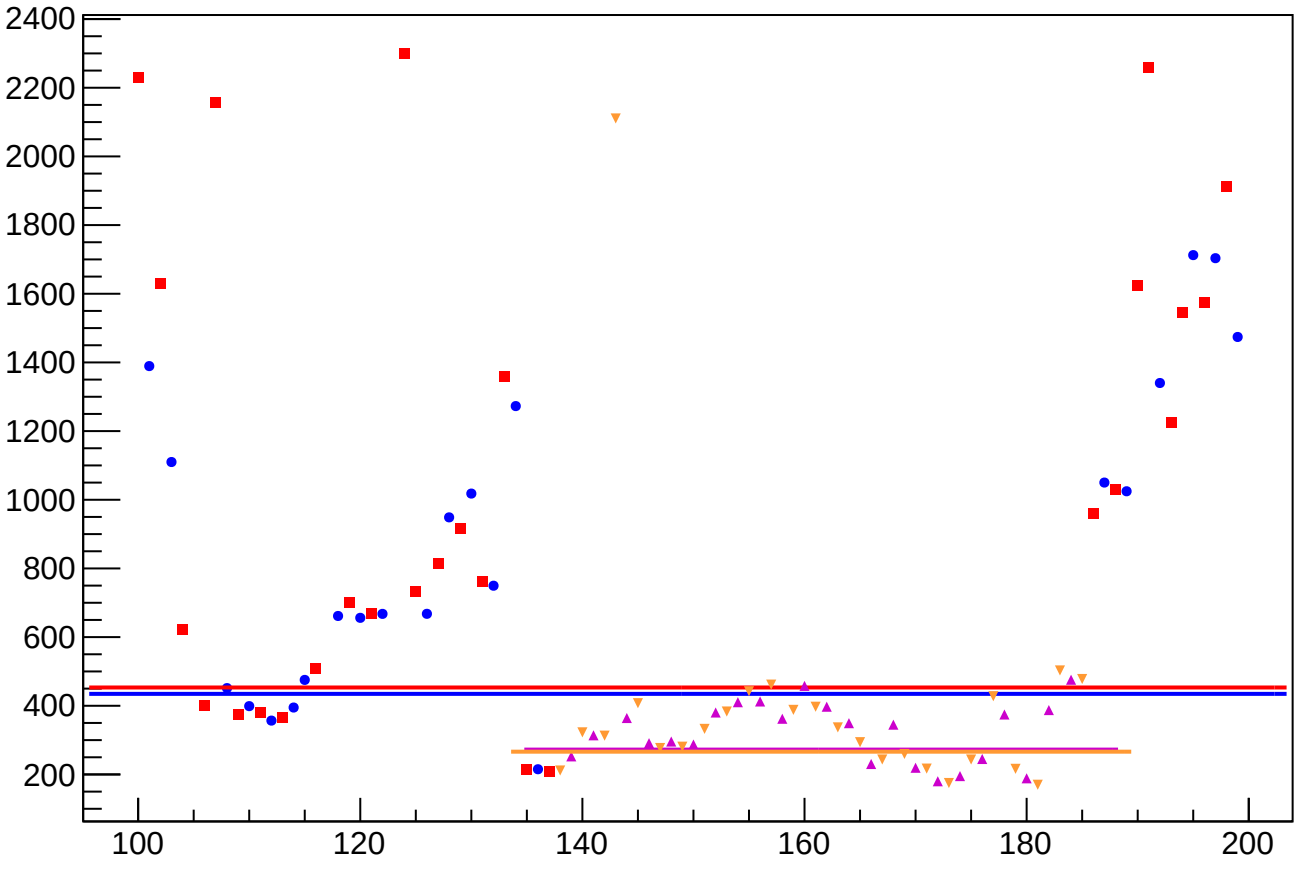
Right: -63.489+/-115.282 χ^2/NDF: 52.6/48

In: 34.042+/-61.982 χ^2/NDF:46.1/44

Out: -63.421+/-60.416 χ^2/NDF:73.3/51

All: -15.937+/-43.264 χ^2/NDF: 120.7/96

asym_atl_avg_atr_avg_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 434.701+/-0.115 χ^2/NDF: 8536607.4/21

Left Out: 266.321+/-0.046 χ^2/NDF:4630130.4/24

Right Out: 453.268+/-0.115 χ^2/NDF: 9033080.8/26

Left In: 272.368+/-0.047 χ^2/NDF:2887823.5/22

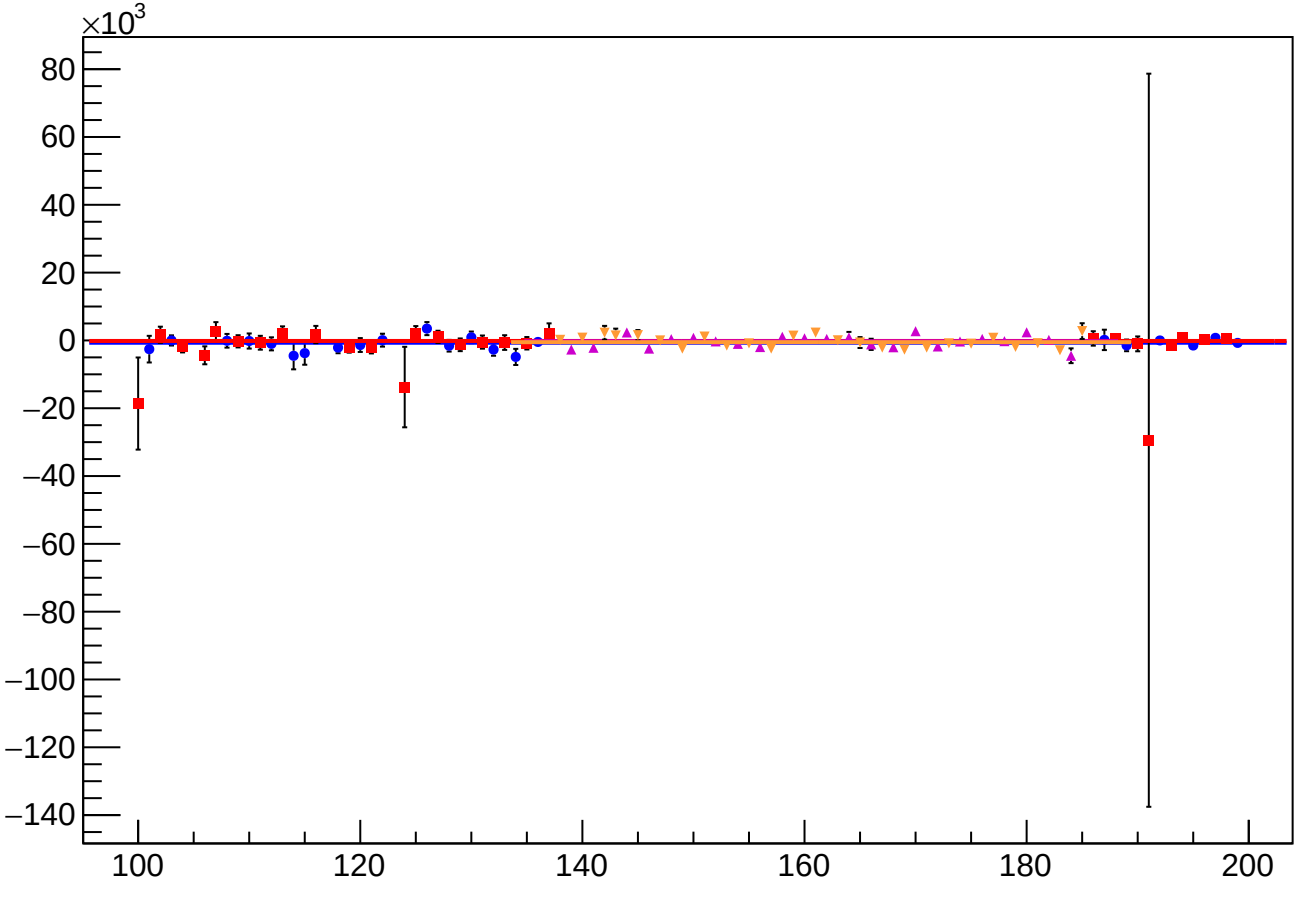
Left: 269.255+/-0.033 χ^2/NDF: 7526339.3/47

Right: 444.006+/-0.082 χ^2/NDF: 17582657.3/48

In: 295.775+/-0.044 χ^2/NDF:13117339.4/44

Out: 292.054+/-0.043 χ^2/NDF:15936346.4/51

All: 293.867+/-0.031 χ^2/NDF: 29057383.5/96



Right In: -681.006+/-382.300 χ^2/NDF: 15.4/21

Left Out: -514.430+/-285.945 χ^2/NDF:30.9/24

Right Out: -159.506+/-371.507 χ^2/NDF: 18.2/26

Left In: -242.663+/-291.166 χ^2/NDF:32.0/22

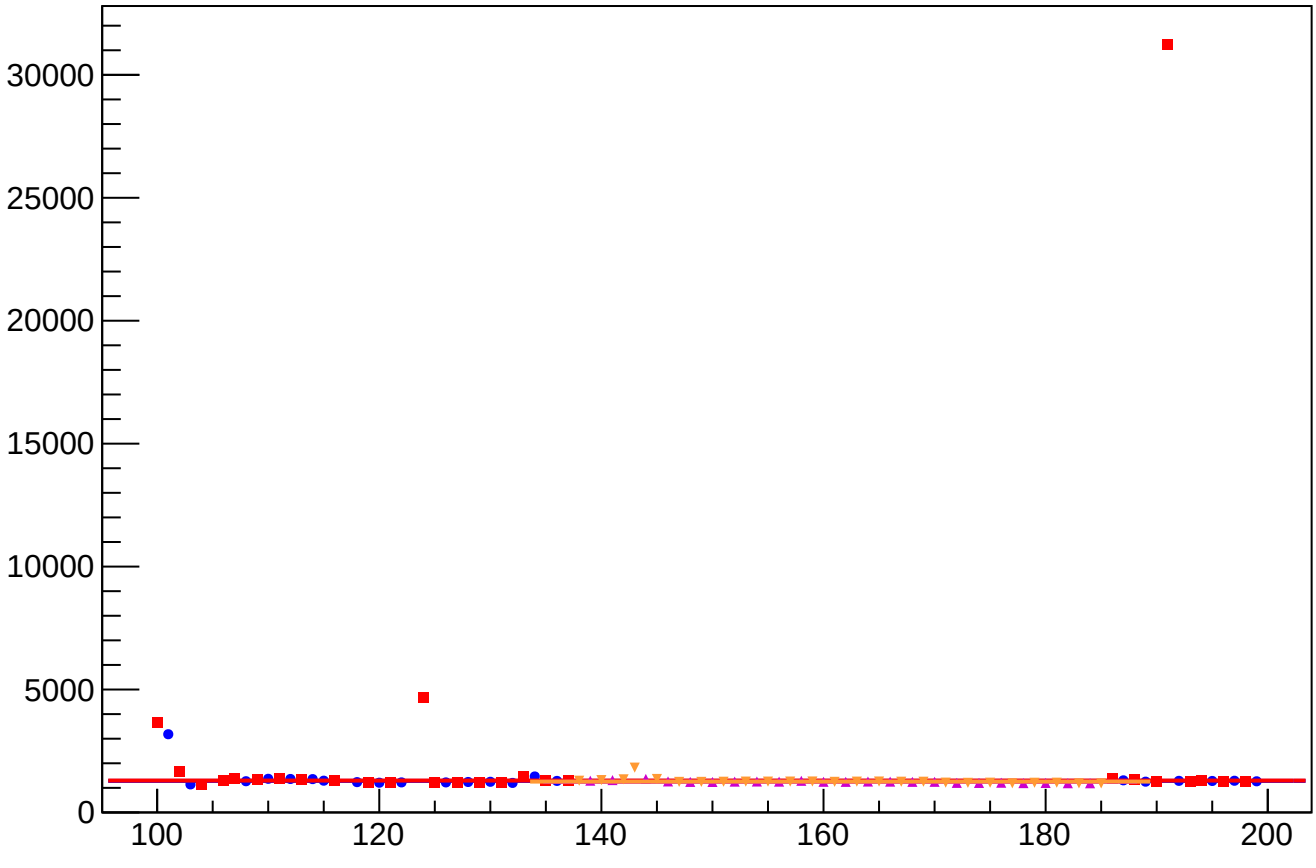
Left: -381.005+/-204.014 χ^2/NDF: 63.4/47

Right: -412.791+/-266.429 χ^2/NDF: 34.6/48

In: -403.584+/-231.635 χ^2/NDF:48.3/44

Out: -382.389+/-226.596 χ^2/NDF:49.7/51

All: -392.754+/-161.980 χ^2/NDF: 98.0/96



Right In: 1283.048+/-0.270 χ^2/NDF: 519292.7/21

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.0/24

Right Out: 1297.028+/-0.263 χ^2/NDF: 489730.4/26

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

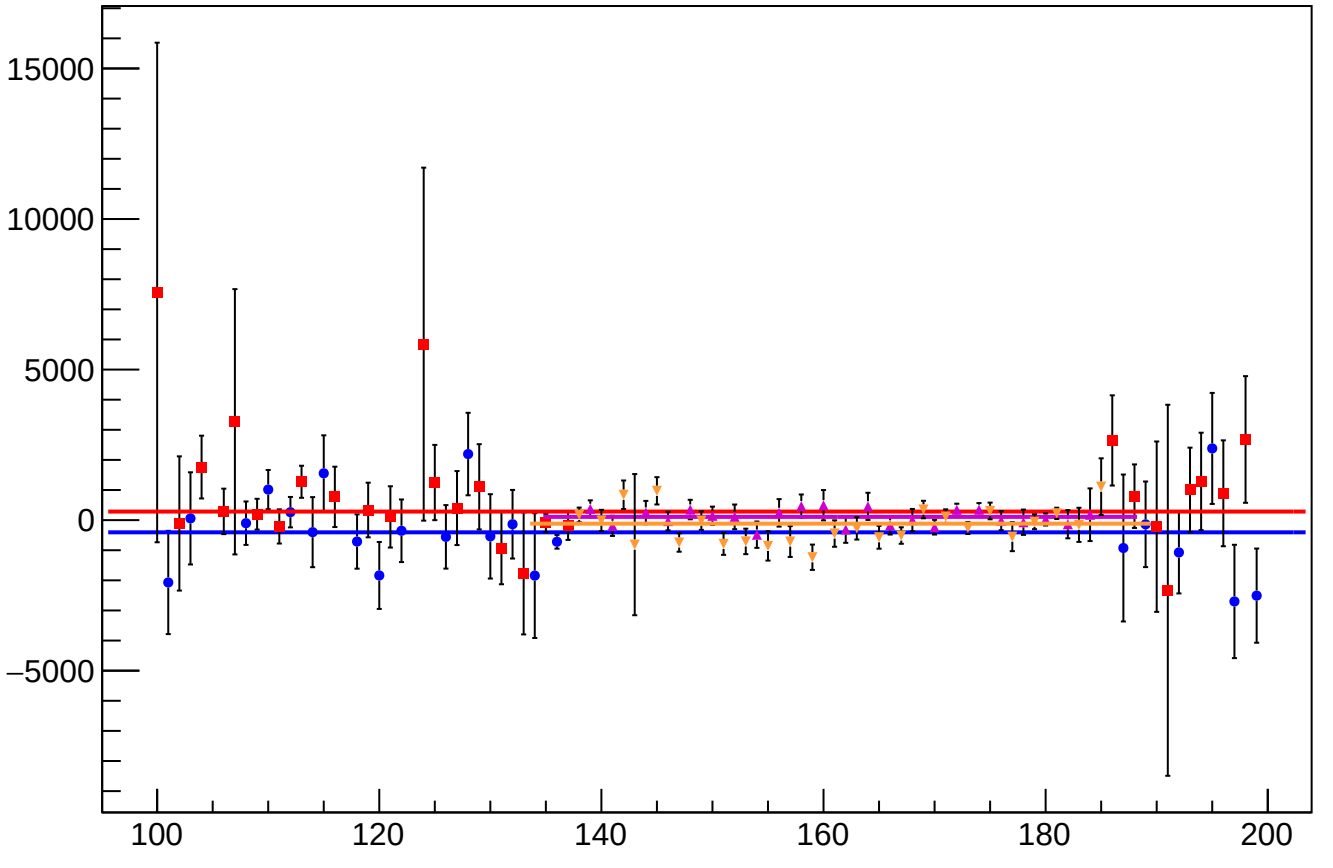
Left: 1251.017+/-0.144 χ^2/NDF: 243988.6/47

Right: 1290.238+/-0.188 χ^2/NDF: 1010398.6/48

In: 1259.825+/-0.164 χ^2/NDF:570810.5/44

Out: 1270.958+/-0.160 χ^2/NDF:708537.5/51

All: 1265.514+/-0.115 χ^2/NDF: 1281708.8/96



Right In: -405.193+/-163.245 χ^2/NDF: 23.9/21

Left Out: -117.002+/-65.060 χ^2/NDF:48.4/24

Right Out: 284.416+/-162.665 χ^2/NDF: 19.3/26

Left In: 107.459+/-67.003 χ^2/NDF:13.7/22

Left: -8.072+/-46.676 χ^2/NDF: 68.0/47

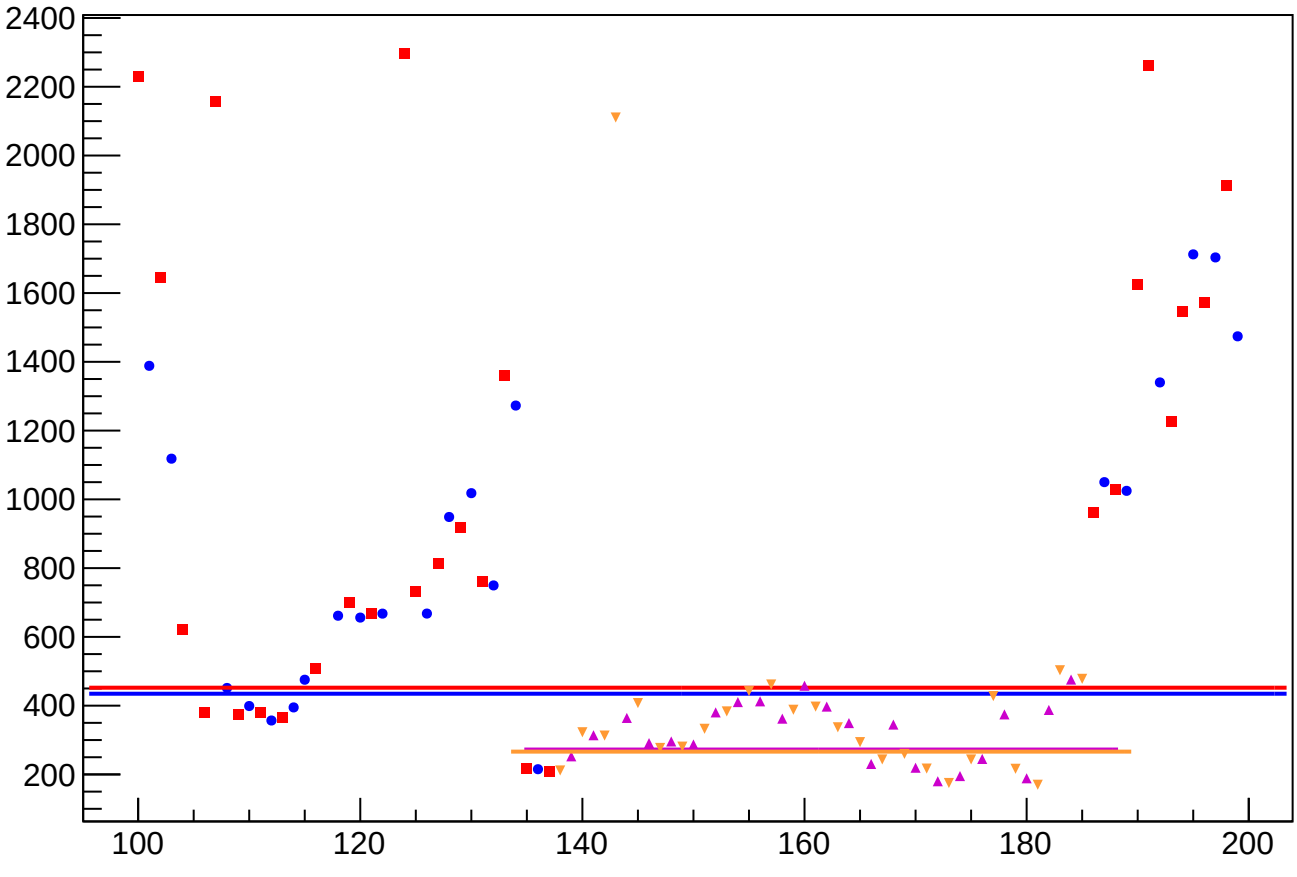
Right: -59.161+/-115.226 χ^2/NDF: 52.1/48

In: 33.548+/-61.985 χ^2/NDF:46.0/44

Out: -61.643+/-60.408 χ^2/NDF:73.0/51

All: -15.274+/-43.261 χ^2/NDF: 120.2/96

asym_atl_avg_atr_avg_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 434.705+/-0.115 χ^2/NDF: 8539775.0/21

Left Out: 266.326+/-0.046 χ^2/NDF:4630167.4/24

Right Out: 452.251+/-0.115 χ^2/NDF: 9048649.2/26

Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

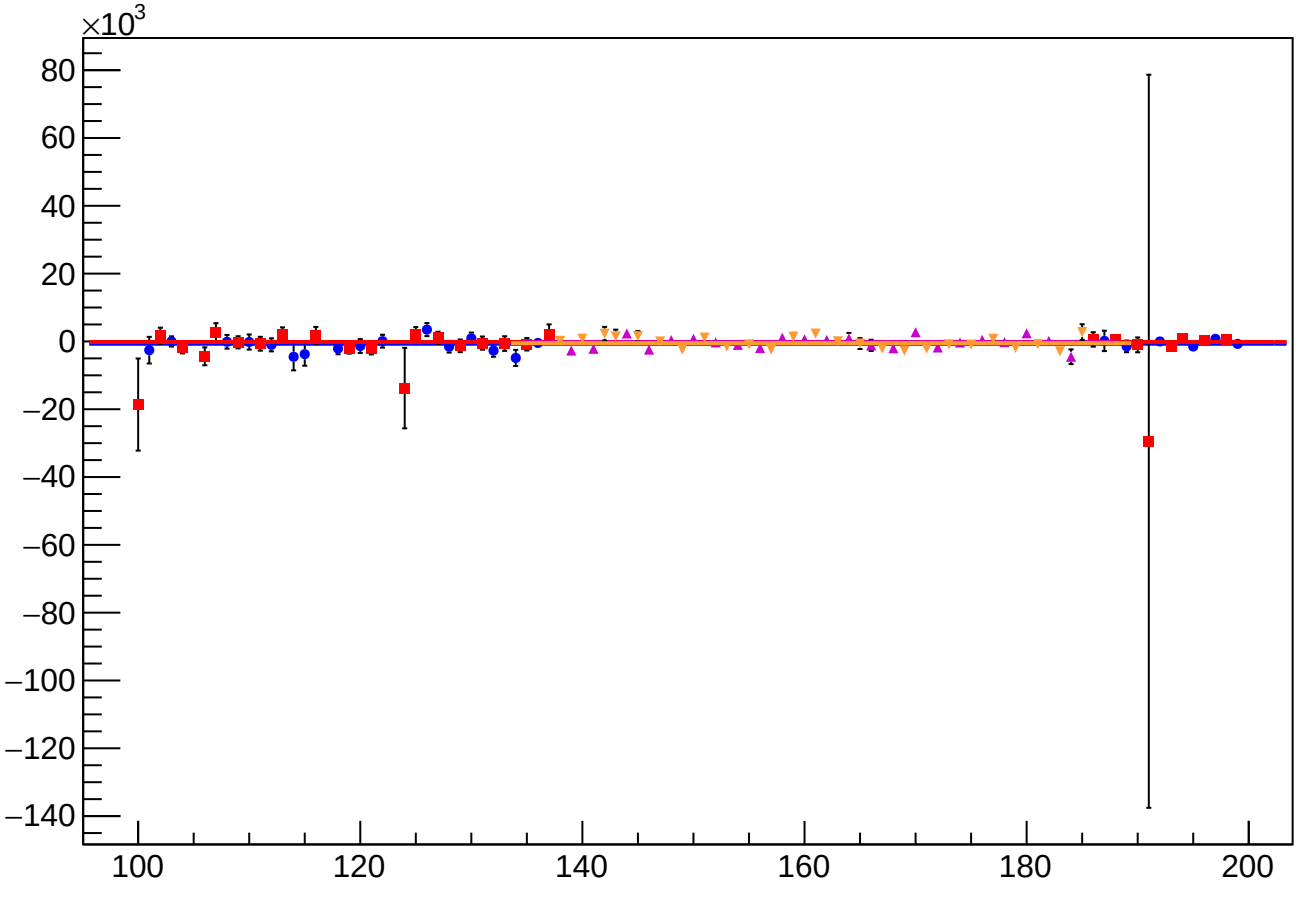
Left: 269.263+/-0.033 χ^2/NDF: 7526161.0/47

Right: 443.509+/-0.081 χ^2/NDF: 17600016.6/48

In: 295.781+/-0.044 χ^2/NDF:13119837.7/44

Out: 291.967+/-0.043 χ^2/NDF:15931316.9/51

All: 293.825+/-0.031 χ^2/NDF: 29055038.3/96



Right In: -681.006+/-382.300 χ^2/NDF: 15.4/21

Left Out: -514.430+/-285.945 χ^2/NDF:30.9/24

Right Out: -159.506+/-371.507 χ^2/NDF: 18.2/26

Left In: -242.663+/-291.166 χ^2/NDF:32.0/22

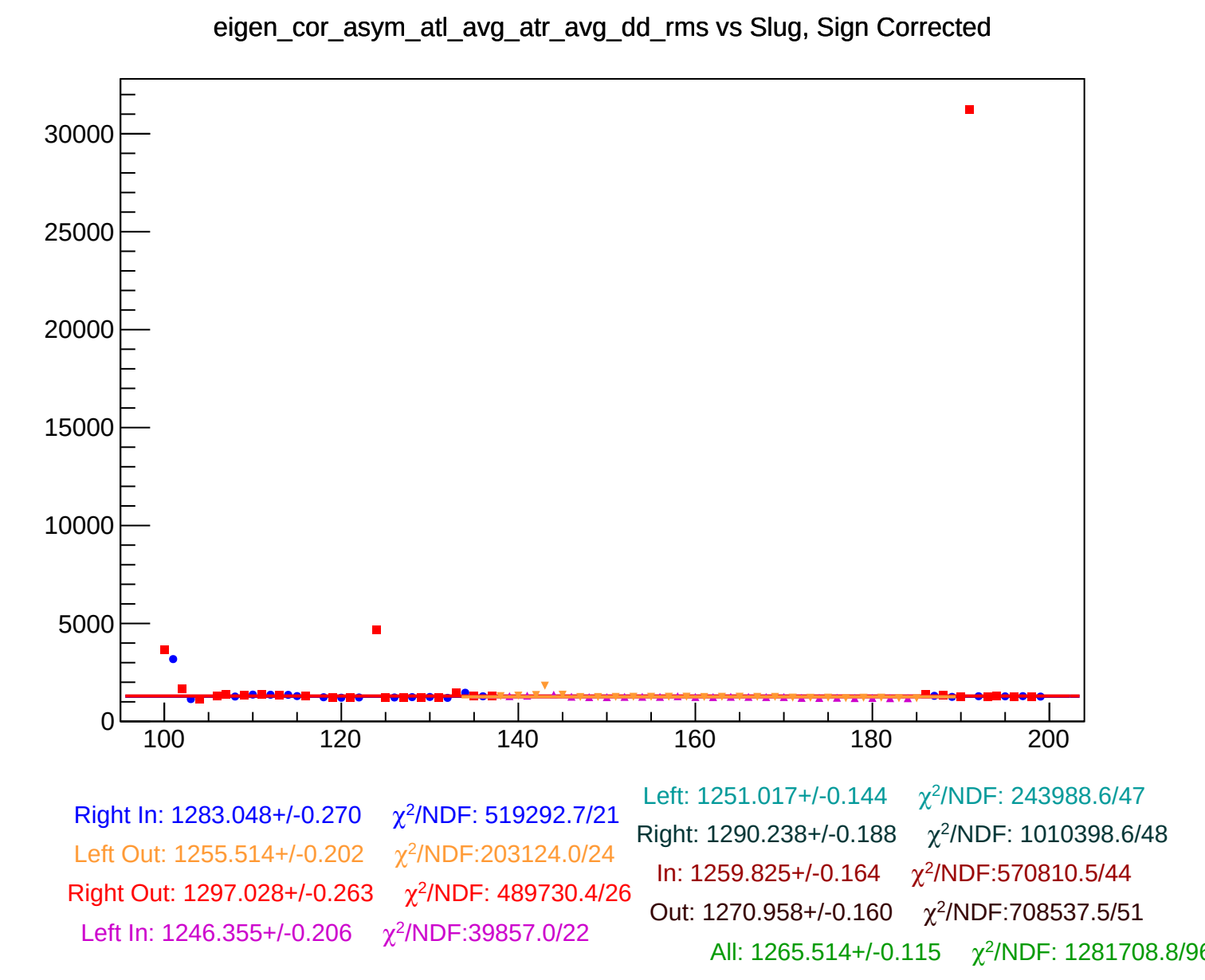
Left: -381.005+/-204.014 χ^2/NDF: 63.4/47

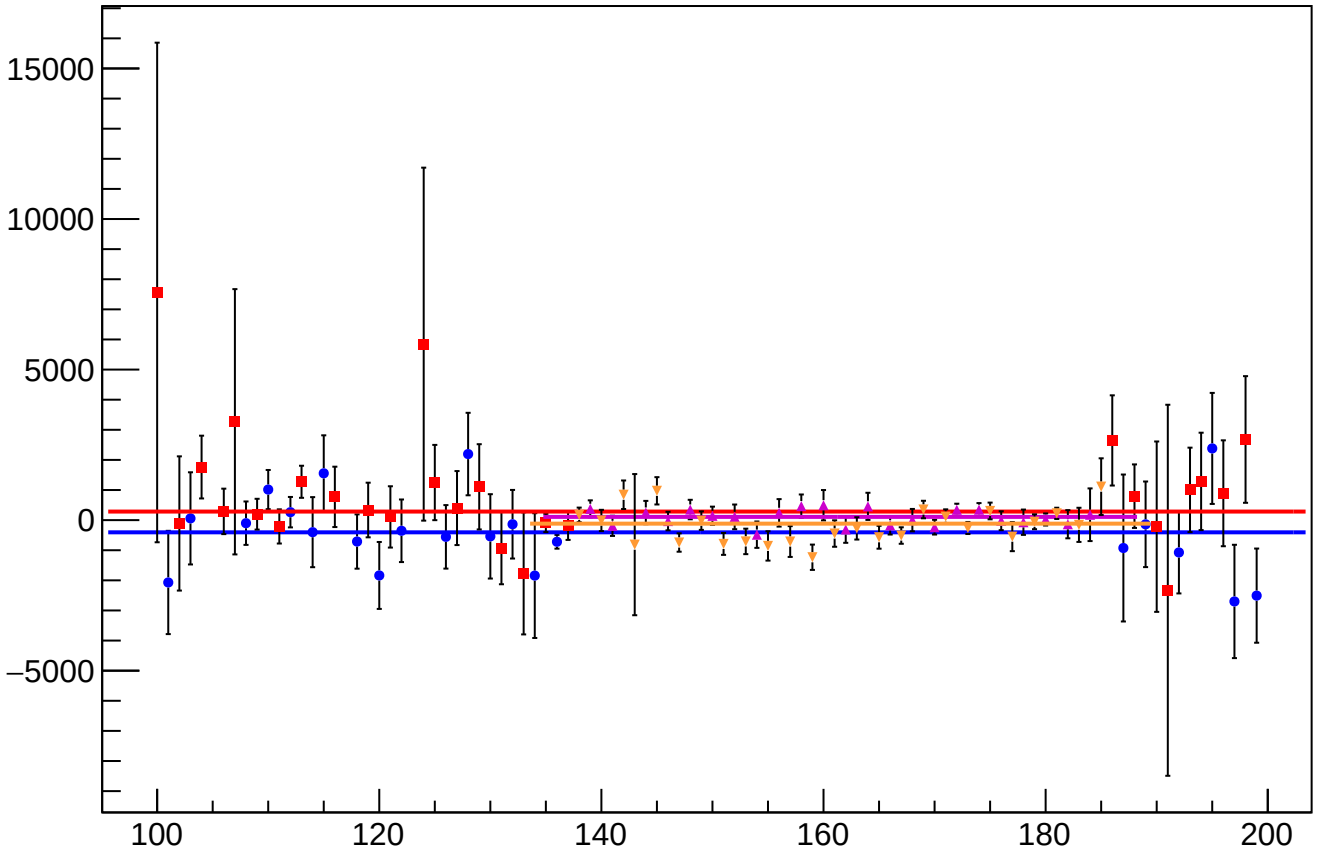
Right: -412.791+/-266.429 χ^2/NDF: 34.6/48

In: -403.584+/-231.635 χ^2/NDF:48.3/44

Out: -382.389+/-226.596 χ^2/NDF:49.7/51

All: -392.754+/-161.980 χ^2/NDF: 98.0/96


eigen_cor_asym_atl_avg_atr_avg_dd_rms vs Slug, Sign Corrected
30000
25000
20000
15000
10000
5000
0
100
120
140
160
180
200
Right In: 1283.048+/-0.270 χ²/NDF: 519292.7/21
Left Out: 1255.514+/-0.202 χ²/NDF:203124.0/24
Right Out: 1297.028+/-0.263 χ²/NDF: 489730.4/26
Left In: 1246.355+/-0.206 χ²/NDF:39857.0/22
Left: 1251.017+/-0.144 χ²/NDF: 243988.6/47
Right: 1290.238+/-0.188 χ²/NDF: 1010398.6/48
In: 1259.825+/-0.164 χ²/NDF:570810.5/44
Out: 1270.958+/-0.160 χ²/NDF:708537.5/51
All: 1265.514+/-0.115 χ²/NDF: 1281708.8/96



Right In: -405.193+/-163.245 χ^2/NDF: 23.9/21

Left Out: -117.002+/-65.060 χ^2/NDF:48.4/24

Right Out: 284.416+/-162.665 χ^2/NDF: 19.3/26

Left In: 107.459+/-67.003 χ^2/NDF:13.7/22

Left: -8.072+/-46.676 χ^2/NDF: 68.0/47

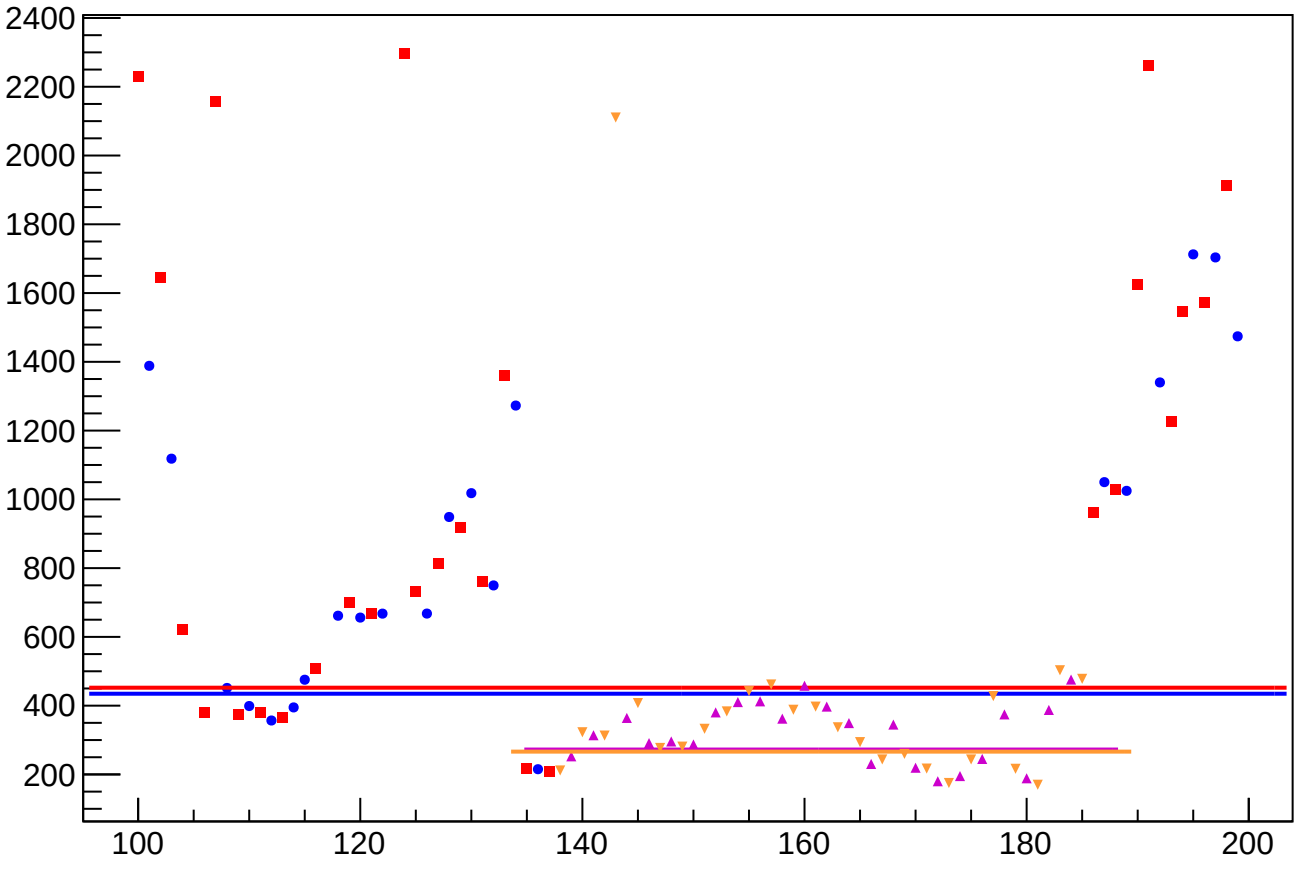
Right: -59.161+/-115.226 χ^2/NDF: 52.1/48

In: 33.548+/-61.985 χ^2/NDF:46.0/44

Out: -61.643+/-60.408 χ^2/NDF:73.0/51

All: -15.274+/-43.261 χ^2/NDF: 120.2/96

asym_atl_avg_atr_avg_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 434.705+/-0.115 χ^2/NDF: 8539775.0/21

Left Out: 266.326+/-0.046 χ^2/NDF:4630167.4/24

Right Out: 452.251+/-0.115 χ^2/NDF: 9048649.2/26

Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

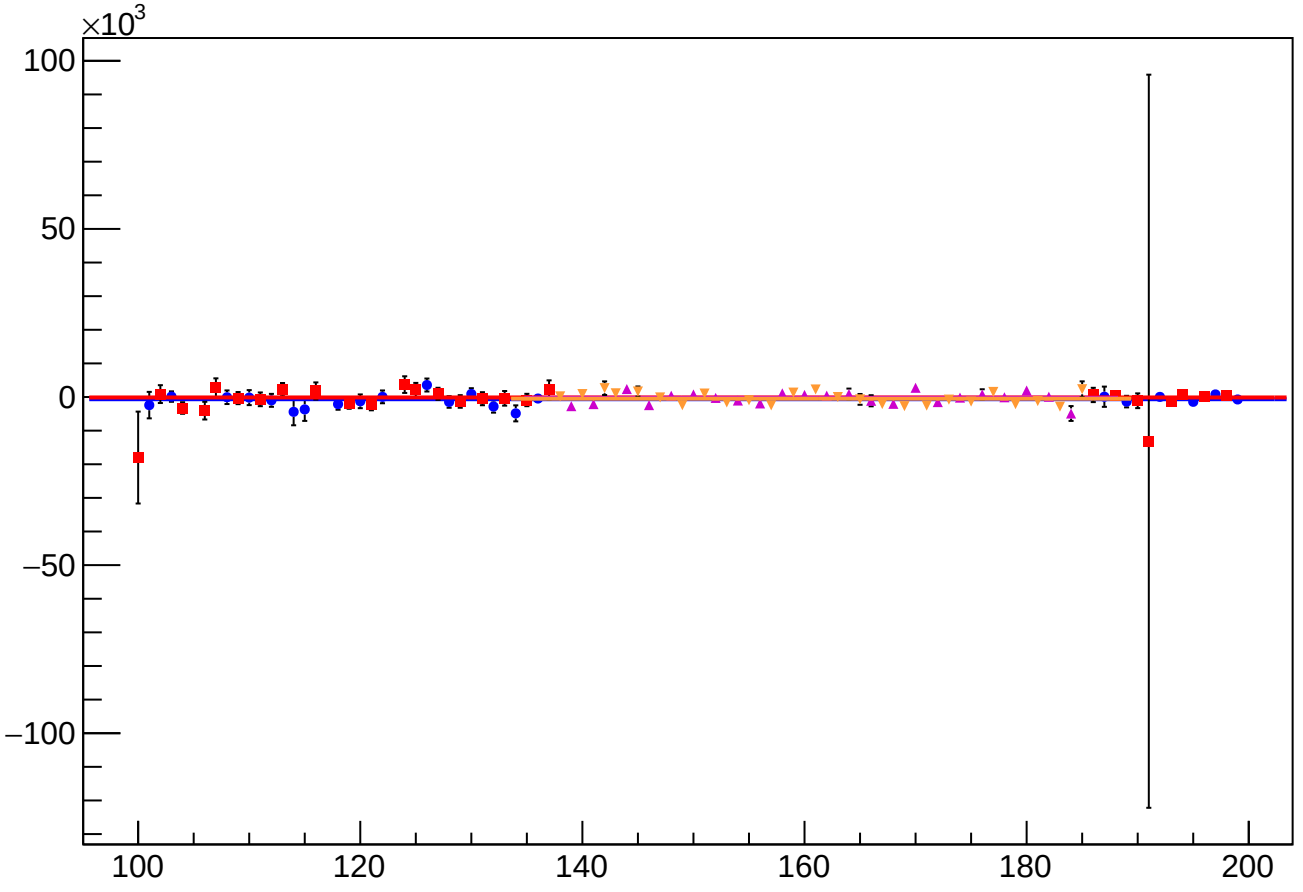
Left: 269.263+/-0.033 χ^2/NDF: 7526161.0/47

Right: 443.509+/-0.081 χ^2/NDF: 17600016.6/48

In: 295.781+/-0.044 χ^2/NDF:13119837.7/44

Out: 291.967+/-0.043 χ^2/NDF:15931316.9/51

All: 293.825+/-0.031 χ^2/NDF: 29055038.3/96



Right In: -650.452+/-383.729 χ^2/NDF: 15.5/21

Left Out: -493.436+/-282.734 χ^2/NDF:34.2/24

Right Out: -130.149+/-370.156 χ^2/NDF: 20.1/26

Left In: -242.004+/-294.339 χ^2/NDF:30.7/22

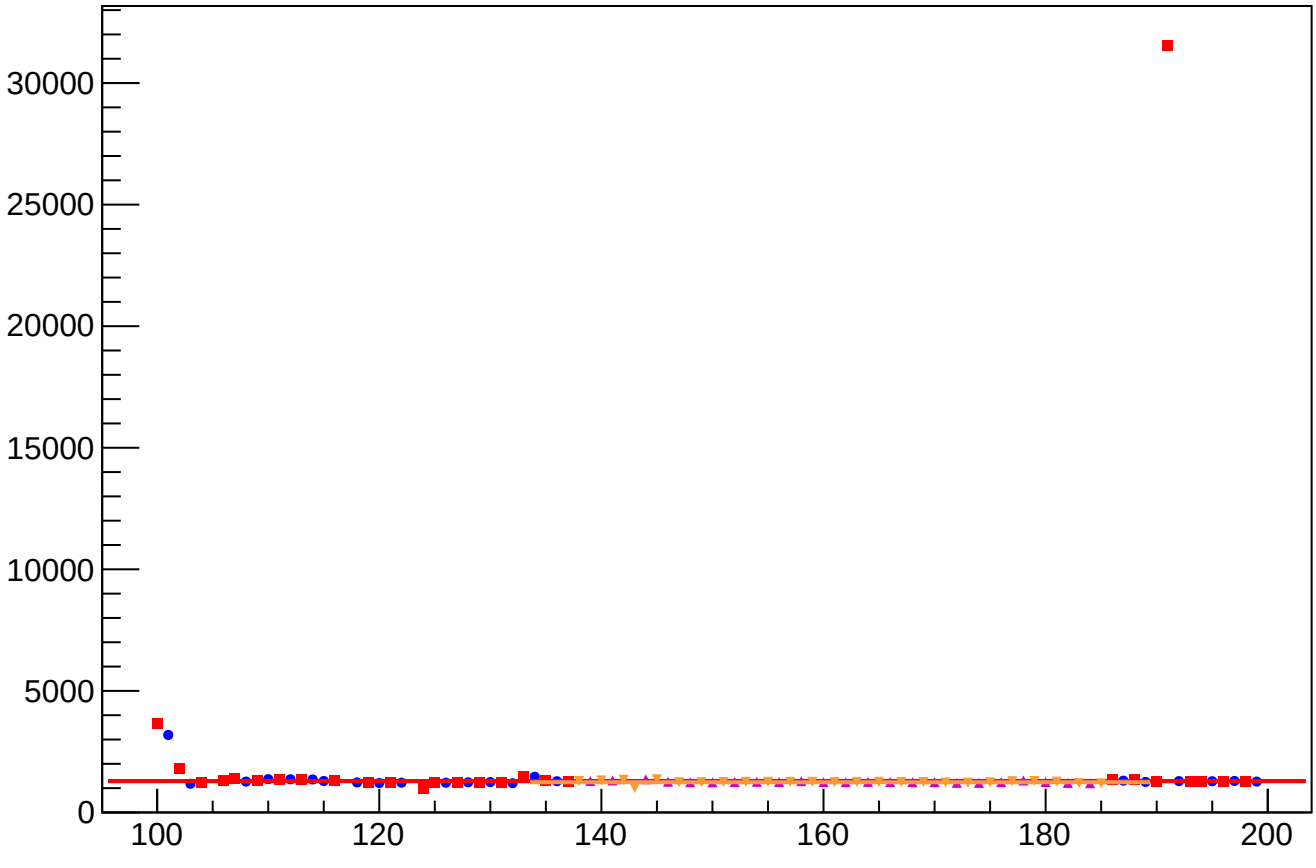
Left: -372.774+/-203.903 χ^2/NDF: 65.3/47

Right: -380.935+/-266.409 χ^2/NDF: 36.6/48

In: -393.302+/-233.546 χ^2/NDF:46.9/44

Out: -359.579+/-224.687 χ^2/NDF:55.0/51

All: -375.789+/-161.919 χ^2/NDF: 101.9/96



Right In: 1288.005+/-0.271 χ^2/NDF: 510850.3/21

Left Out: 1242.539+/-0.200 χ^2/NDF:130023.1/24

Right Out: 1292.586+/-0.262 χ^2/NDF: 372231.4/26

Left In: 1260.094+/-0.208 χ^2/NDF:27932.1/22

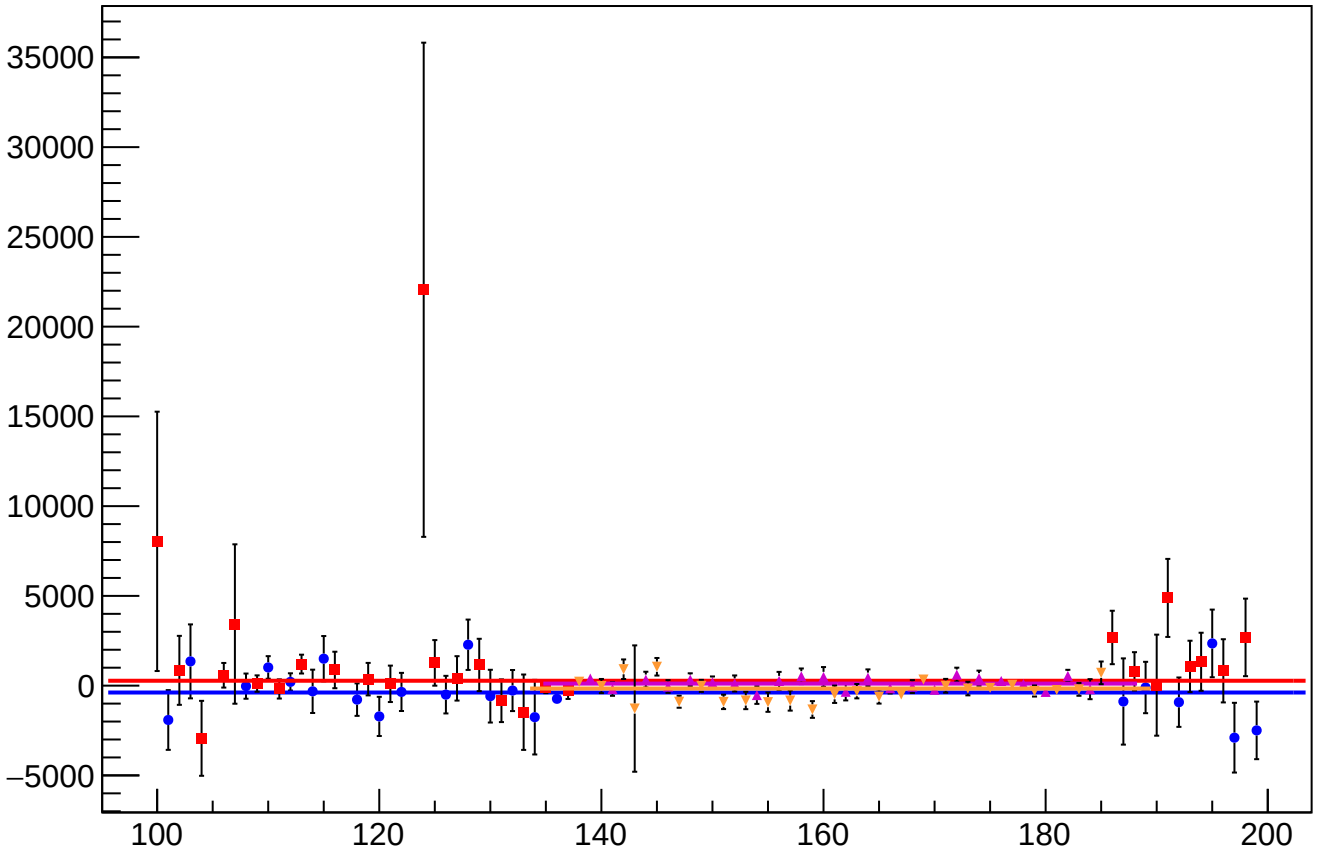
Left: 1250.964+/-0.144 χ^2/NDF: 161655.2/47

Right: 1290.378+/-0.188 χ^2/NDF: 883229.3/48

In: 1270.433+/-0.165 χ^2/NDF:545444.1/44

Out: 1260.980+/-0.159 χ^2/NDF:525344.1/51

All: 1265.523+/-0.114 χ^2/NDF: 1072489.9/96



Right In: -382.742+/-164.981 χ^2/NDF: 24.2/21

Left Out: -160.930+/-64.133 χ^2/NDF:43.8/24

Right Out: 272.734+/-162.612 χ^2/NDF: 25.8/26

Left In: 113.722+/-68.841 χ^2/NDF:18.2/22

Left: -33.316+/-46.925 χ^2/NDF: 70.5/47

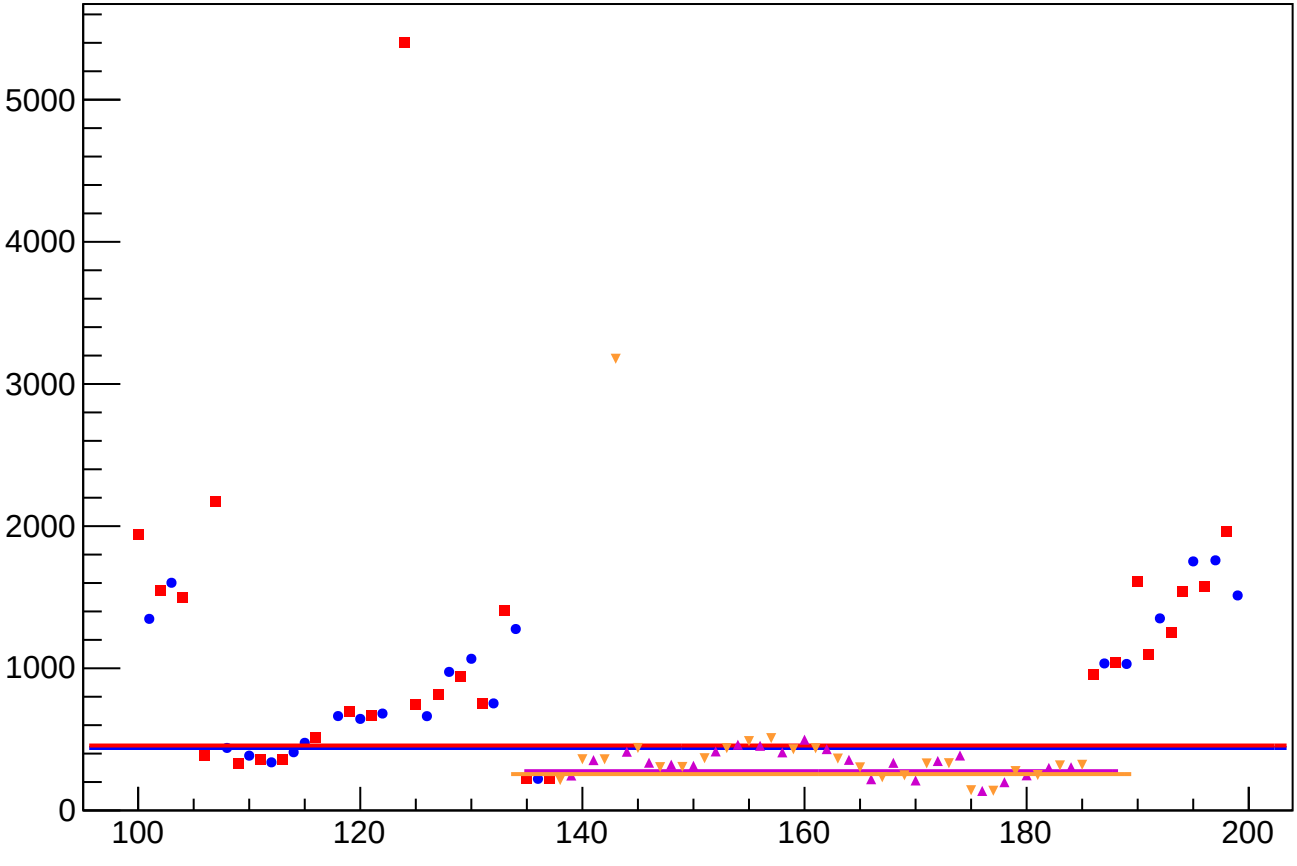
Right: -50.264+/-115.813 χ^2/NDF: 58.0/48

In: 40.101+/-63.532 χ^2/NDF:50.1/44

Out: -102.556+/-59.660 χ^2/NDF:75.7/51

All: -35.706+/-43.490 χ^2/NDF: 128.5/96

asym_atl_avg_atr_avg_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 439.420+/-0.117 χ^2/NDF: 8682969.7/21

Left Out: 255.768+/-0.045 χ^2/NDF:6373929.4/24

Right Out: 456.865+/-0.115 χ^2/NDF: 9557914.2/26

Left In: 276.298+/-0.049 χ^2/NDF:4027410.5/22

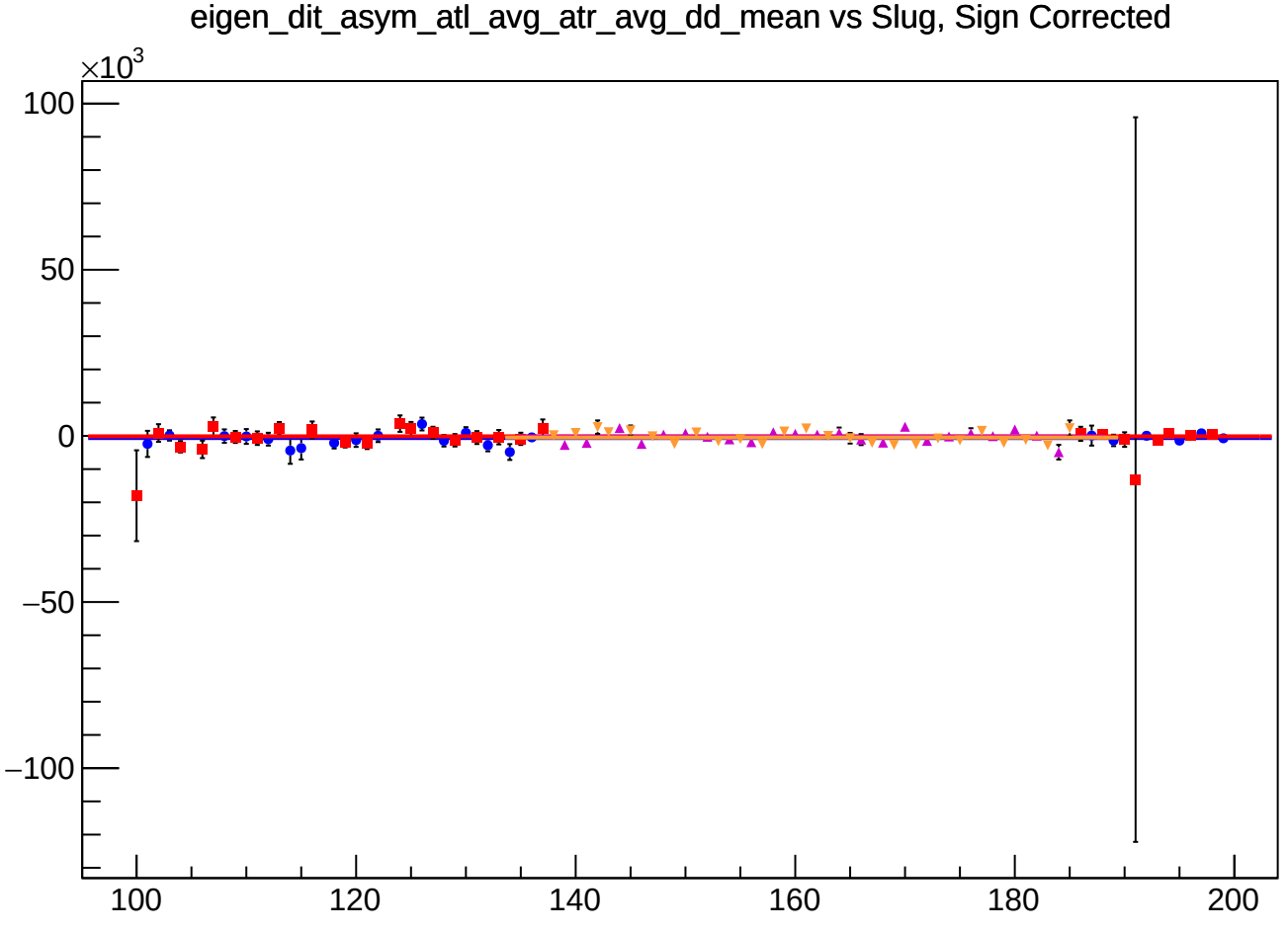
Left: 265.307+/-0.033 χ^2/NDF: 10496569.7/47

Right: 448.269+/-0.082 χ^2/NDF: 18252225.9/48

In: 300.488+/-0.045 χ^2/NDF:14375623.7/44

Out: 282.837+/-0.042 χ^2/NDF:18578805.2/51

All: 291.108+/-0.031 χ^2/NDF: 33036461.3/96



Right In: -650.455+/-383.729 χ^2/NDF: 15.5/21

Left Out: -493.435+/-282.734 χ^2/NDF:34.2/24

Right Out: -130.148+/-370.155 χ^2/NDF: 20.1/26

Left In: -242.004+/-294.339 χ^2/NDF:30.7/22

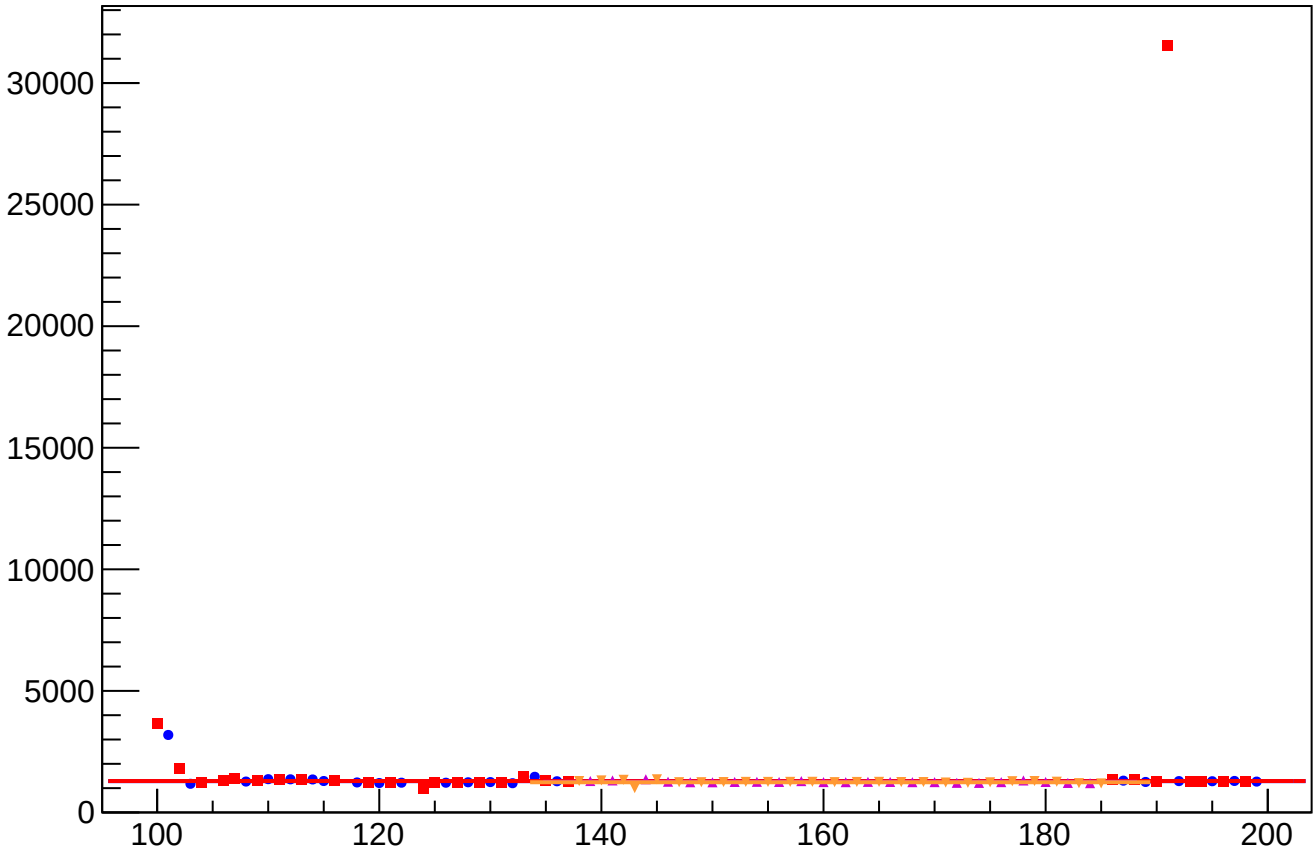
Left: -372.774+/-203.903 χ^2/NDF: 65.3/47

Right: -380.936+/-266.409 χ^2/NDF: 36.6/48

In: -393.303+/-233.546 χ^2/NDF:46.9/44

Out: -359.579+/-224.687 χ^2/NDF:55.0/51

All: -375.789+/-161.919 χ^2/NDF: 101.9/96



Right In: 1288.005+/-0.271 χ^2/NDF: 510850.3/21

Left Out: 1242.539+/-0.200 χ^2/NDF:130022.2/24

Right Out: 1292.586+/-0.262 χ^2/NDF: 372231.6/26

Left In: 1260.094+/-0.208 χ^2/NDF:27932.2/22

Left: 1250.964+/-0.144 χ^2/NDF: 161654.3/47

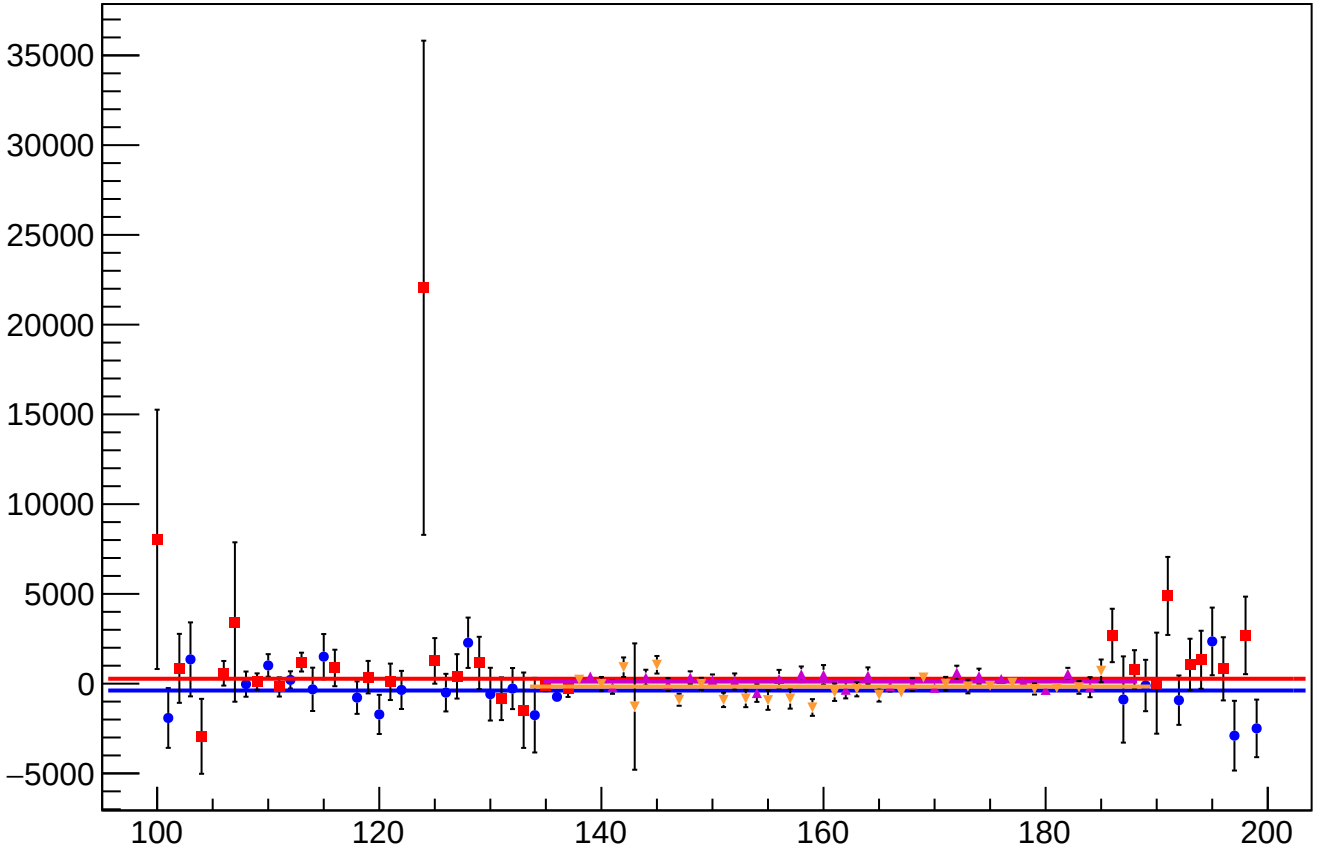
Right: 1290.378+/-0.188 χ^2/NDF: 883229.6/48

In: 1270.433+/-0.165 χ^2/NDF:545444.1/44

Out: 1260.980+/-0.159 χ^2/NDF:525343.5/51

All: 1265.523+/-0.114 χ^2/NDF: 1072489.3/96

asym_atl_avg_atr_avg_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -382.743+/-164.984 χ^2/NDF: 24.2/21

Left Out: -160.933+/-64.133 χ^2/NDF:43.8/24

Right Out: 272.742+/-162.614 χ^2/NDF: 25.8/26

Left In: 113.720+/-68.841 χ^2/NDF:18.2/22

Left: -33.318+/-46.925 χ^2/NDF: 70.5/47

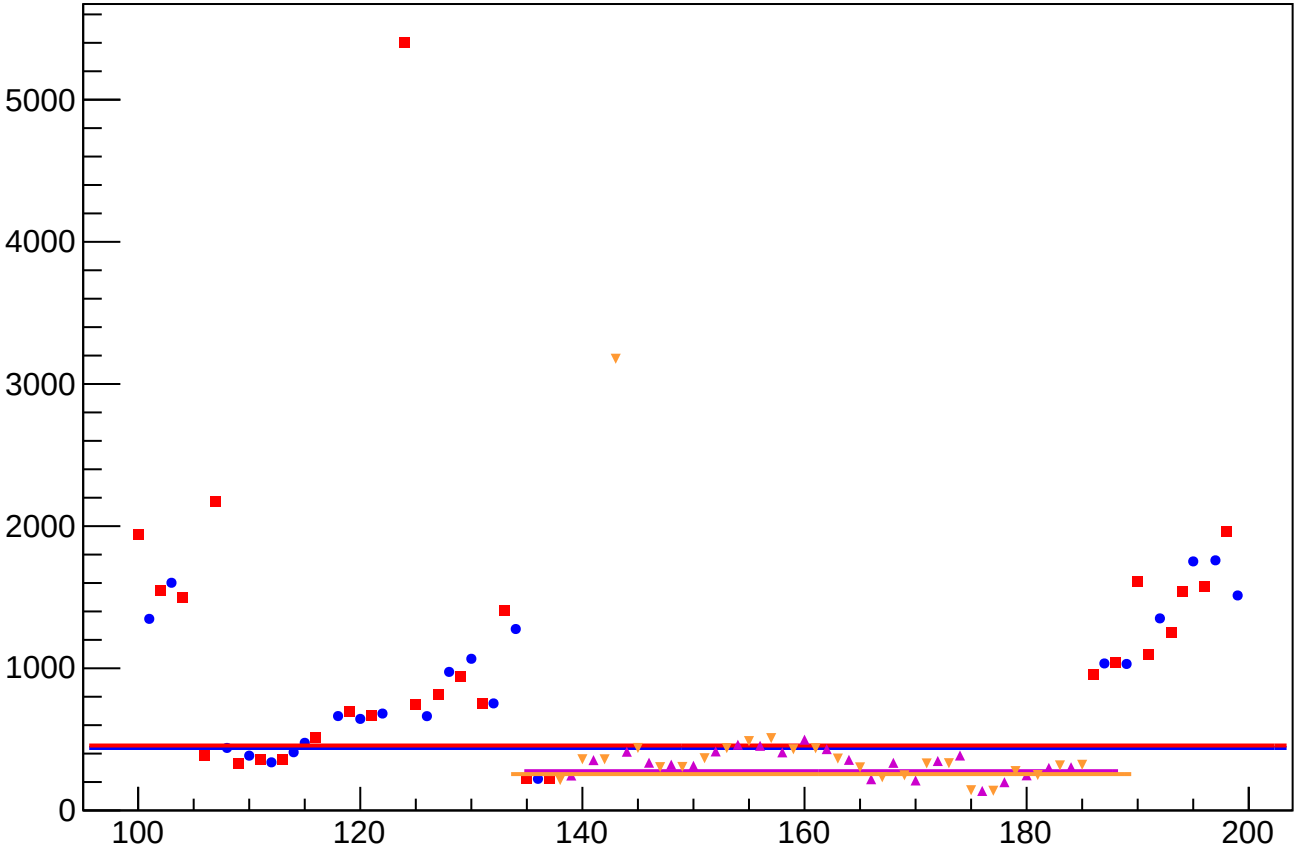
Right: -50.259+/-115.814 χ^2/NDF: 58.0/48

In: 40.101+/-63.532 χ^2/NDF:50.1/44

Out: -102.559+/-59.661 χ^2/NDF:75.7/51

All: -35.707+/-43.491 χ^2/NDF: 128.5/96

asym_atl_avg_atr_avg_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 439.432+/-0.117 χ^2/NDF: 8682700.6/21

Left Out: 255.770+/-0.045 χ^2/NDF:6373829.7/24

Right Out: 456.874+/-0.115 χ^2/NDF: 9557684.8/26

Left In: 276.299+/-0.049 χ^2/NDF:4027371.0/22

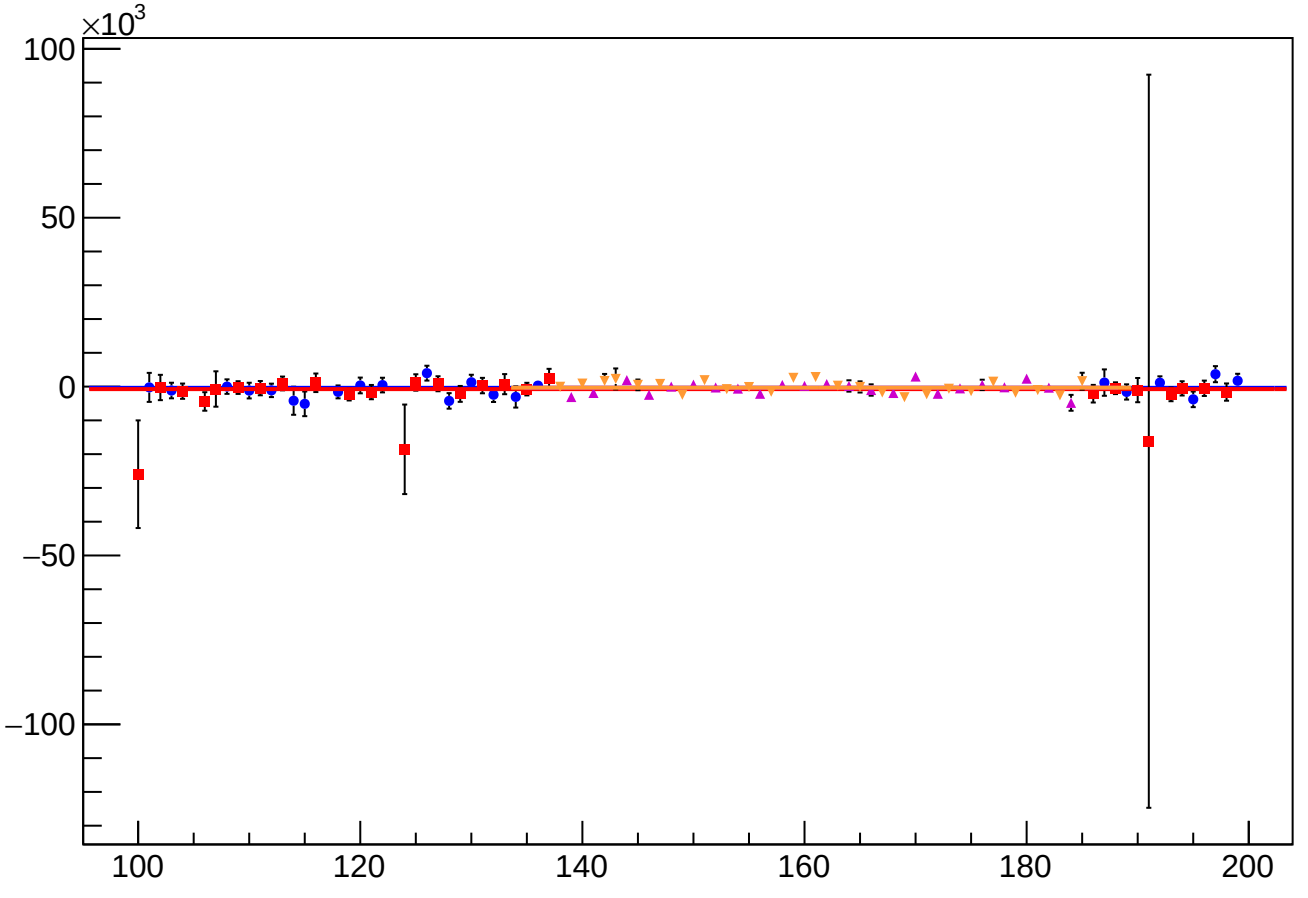
Left: 265.308+/-0.033 χ^2/NDF: 10496422.7/47

Right: 448.279+/-0.082 χ^2/NDF: 18251724.2/48

In: 300.489+/-0.045 χ^2/NDF:14375489.6/44

Out: 282.839+/-0.042 χ^2/NDF:18578620.5/51

All: 291.110+/-0.031 χ^2/NDF: 33036137.6/96



Right In: -367.037+/-483.325 χ^2/NDF: 19.9/21

Left Out: -319.744+/-298.271 χ^2/NDF:31.6/24

Right Out: -745.033+/-472.332 χ^2/NDF: 12.5/26

Left In: -356.387+/-301.902 χ^2/NDF:29.7/22

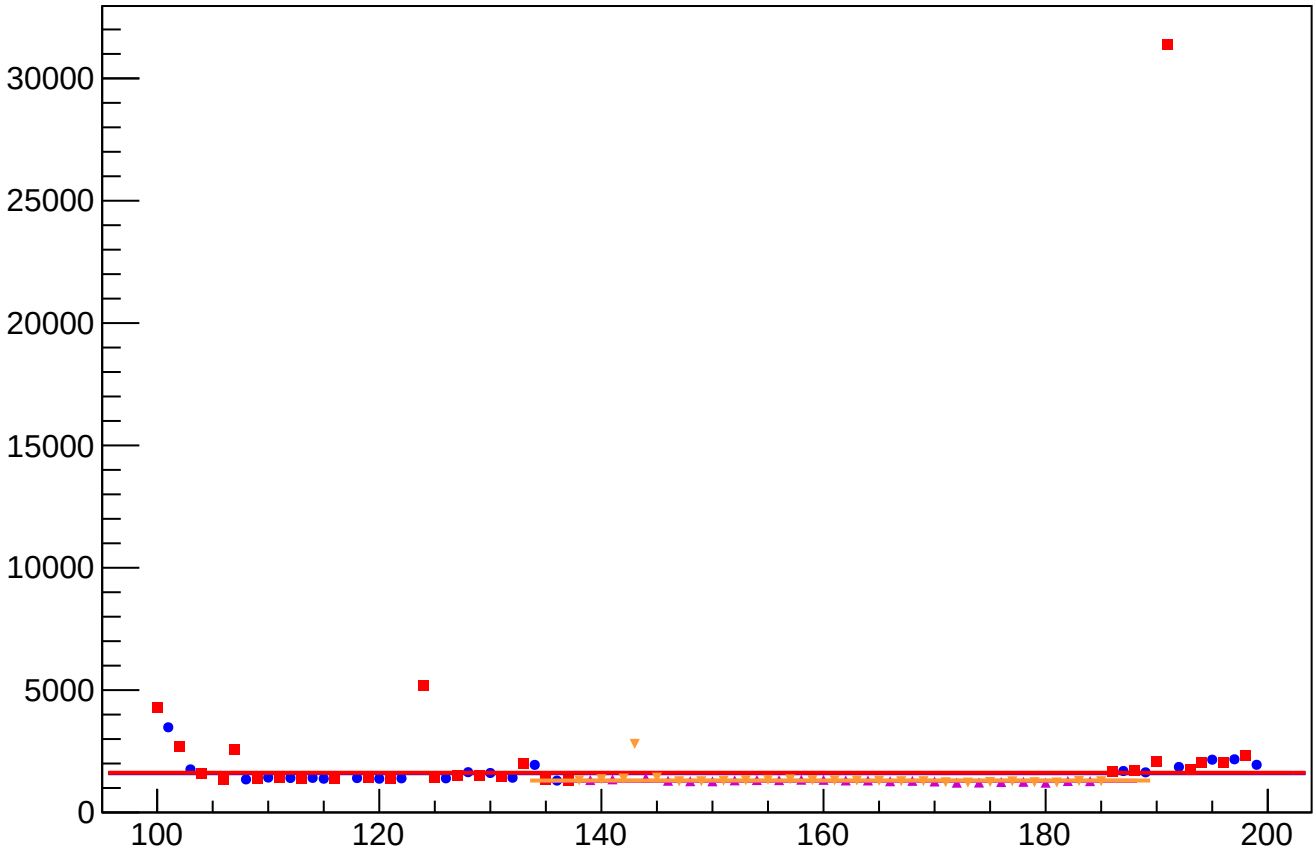
Left: -337.843+/-212.182 χ^2/NDF: 61.2/47

Right: -560.383+/-337.809 χ^2/NDF: 32.7/48

In: -359.376+/-256.055 χ^2/NDF:49.6/44

Out: -440.989+/-252.195 χ^2/NDF:44.6/51

All: -400.802+/-179.678 χ^2/NDF: 94.2/96



Right In: 1603.169+/-0.342 χ^2/NDF: 994876.9/21

Left Out: 1304.156+/-0.211 χ^2/NDF:519609.1/24

Right Out: 1622.668+/-0.334 χ^2/NDF: 1222335.6/26

Left In: 1292.123+/-0.213 χ^2/NDF:48343.1/22

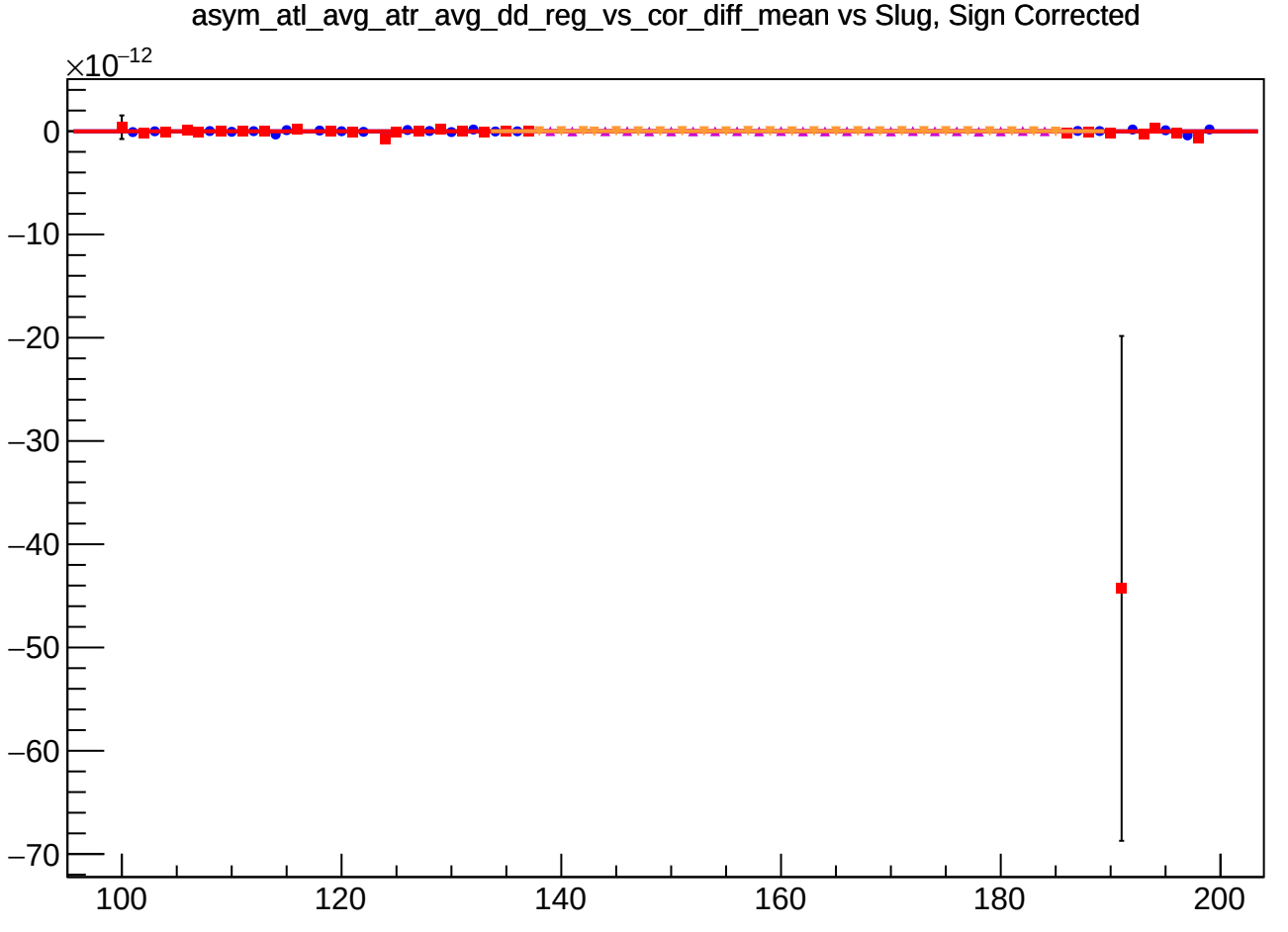
Left: 1298.212+/-0.150 χ^2/NDF: 569560.1/47

Right: 1613.142+/-0.239 χ^2/NDF: 2218877.5/48

In: 1379.422+/-0.181 χ^2/NDF:1639062.9/44

Out: 1394.960+/-0.178 χ^2/NDF:2392134.2/51

All: 1387.309+/-0.127 χ^2/NDF: 4034935.4/96



Right In: -0.000+/-0.000 χ^2/NDF: 15.8/21

Left Out: 0.000+/-0.000 χ^2/NDF:24.3/24

Right Out: -0.000+/-0.000 χ^2/NDF: 35.3/26

Left In: -0.000+/-0.000 χ^2/NDF:29.6/22

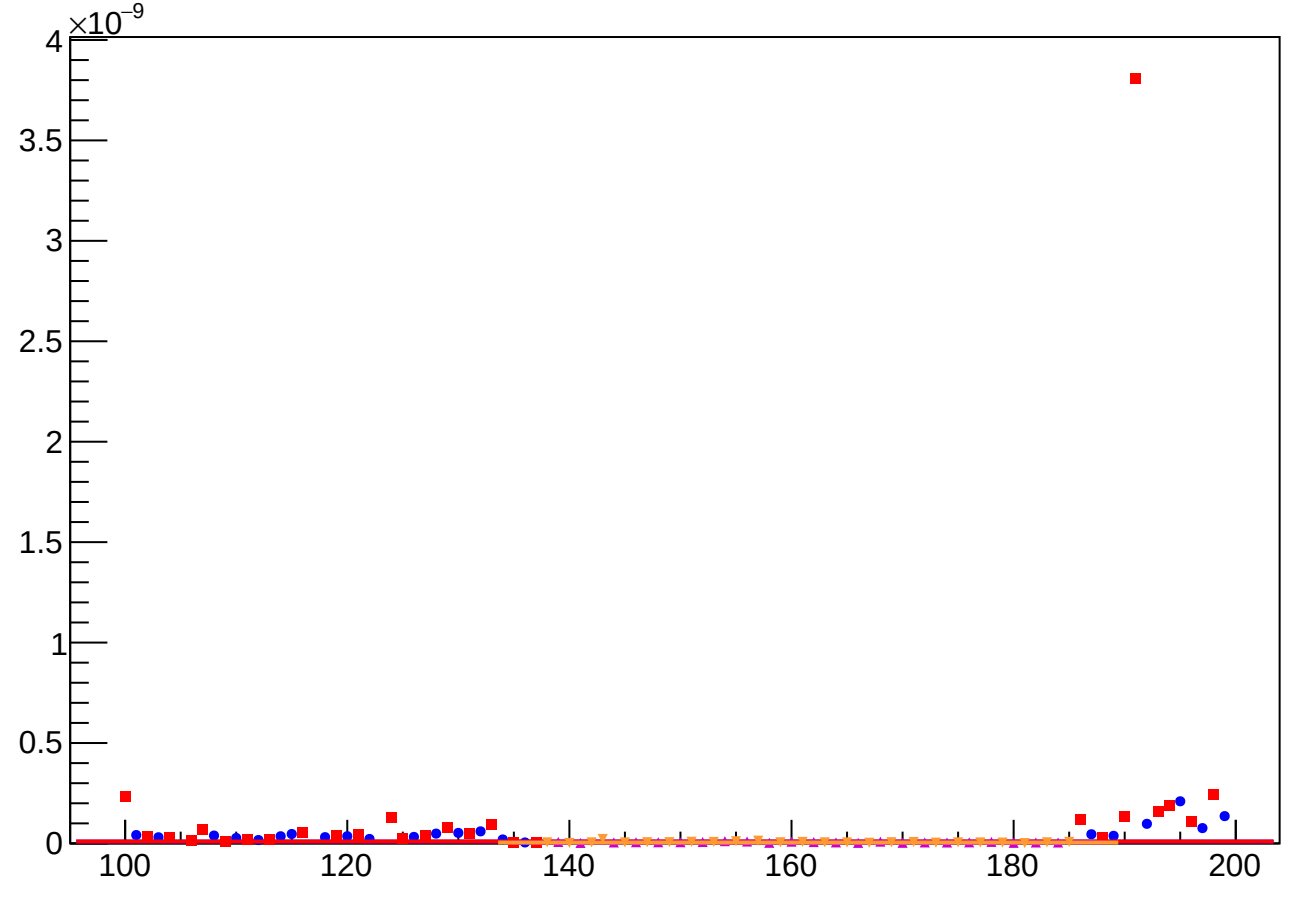
Left: -0.000+/-0.000 χ^2/NDF: 54.2/47

Right: -0.000+/-0.000 χ^2/NDF: 51.1/48

In: -0.000+/-0.000 χ^2/NDF:47.5/44

Out: -0.000+/-0.000 χ^2/NDF:62.4/51

All: -0.000+/-0.000 χ^2/NDF: 110.3/96



Right In: 0.000+/-0.000 χ^2/NDF: 5416911.4/21

Left Out: 0.000+/-0.000 χ^2/NDF:2715297.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6969984.9/26

Left In: 0.000+/-0.000 χ^2/NDF:1884808.0/22

Left: 0.000+/-0.000 χ^2/NDF: 4620695.3/47

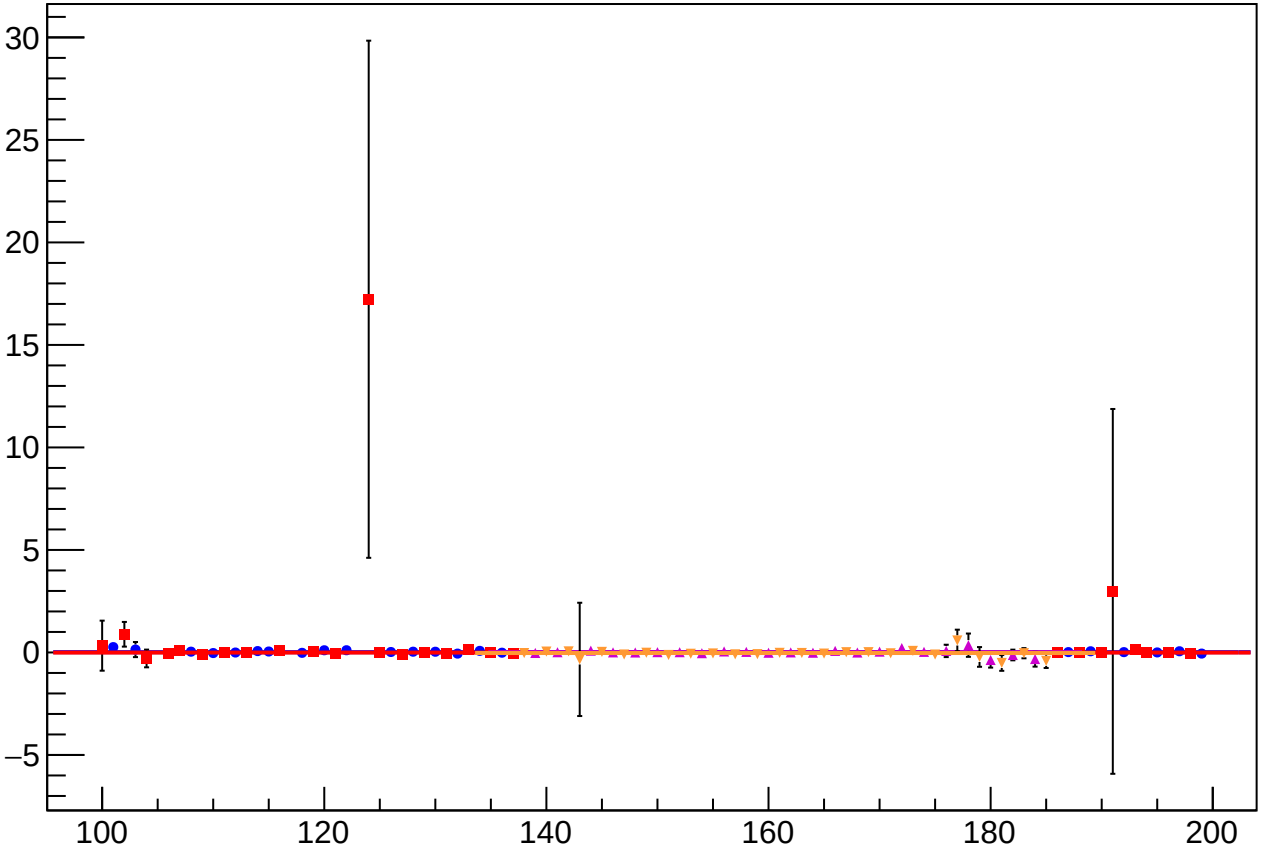
Right: 0.000+/-0.000 χ^2/NDF: 12390948.4/48

In: 0.000+/-0.000 χ^2/NDF:7942413.6/44

Out: 0.000+/-0.000 χ^2/NDF:10465973.2/51

All: 0.000+/-0.000 χ^2/NDF: 18435322.3/96

asym_atl_avg_atr_avg_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.015+/-0.014 χ^2/NDF: 13.1/21

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: -0.006+/-0.013 χ^2/NDF: 20.2/26

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

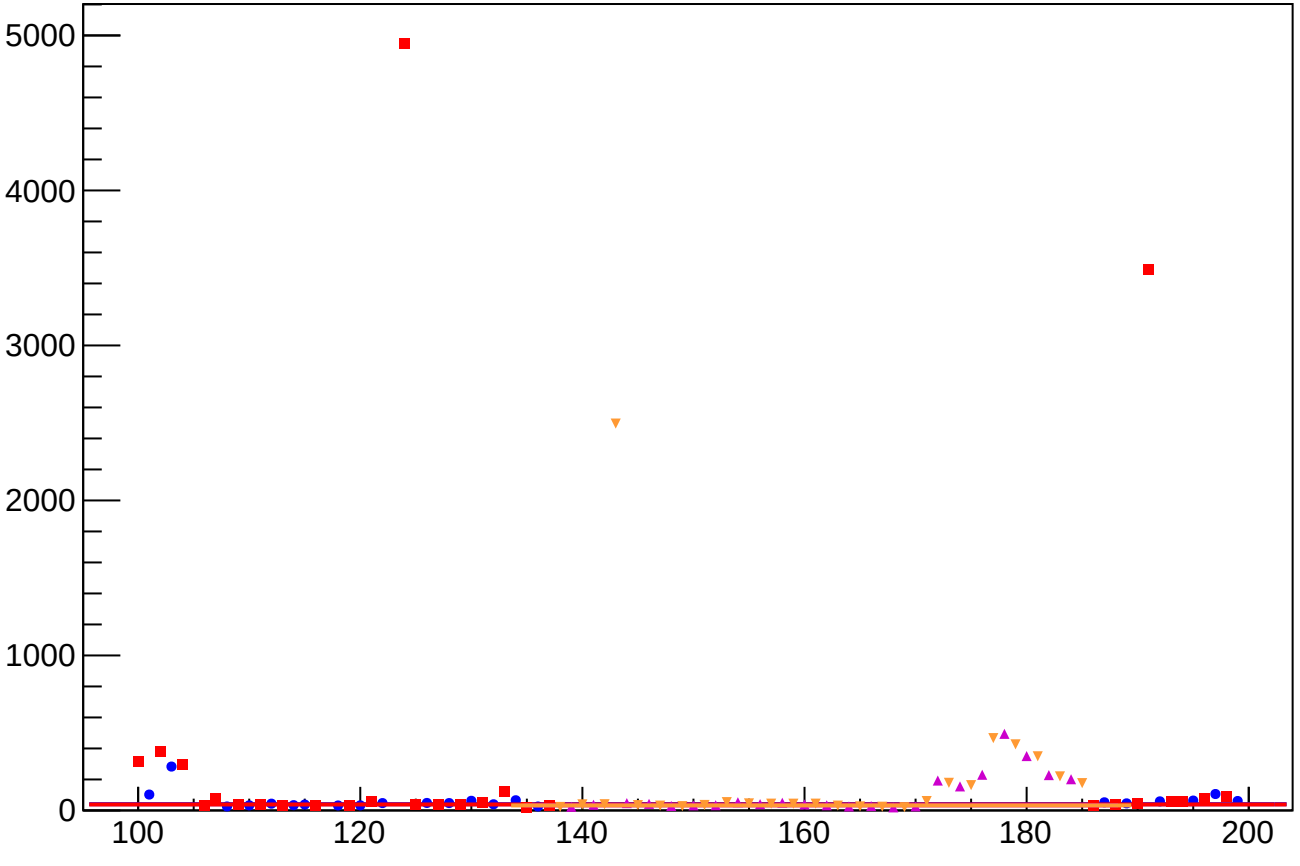
Right: 0.004+/-0.010 χ^2/NDF: 34.5/48

In: 0.012+/-0.008 χ^2/NDF:26.4/44

Out: -0.020+/-0.008 χ^2/NDF:50.2/51

All: -0.004+/-0.005 χ^2/NDF: 85.3/96

asym_atl_avg_atr_avg_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 40.415+/-0.010 χ^2/NDF: 3631400.7/21

Left Out: 32.551+/-0.007 χ^2/NDF:10871758.1/24

Right Out: 38.621+/-0.009 χ^2/NDF: 4731013.7/26

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

Left: 32.645+/-0.005 χ^2/NDF: 19835386.0/47

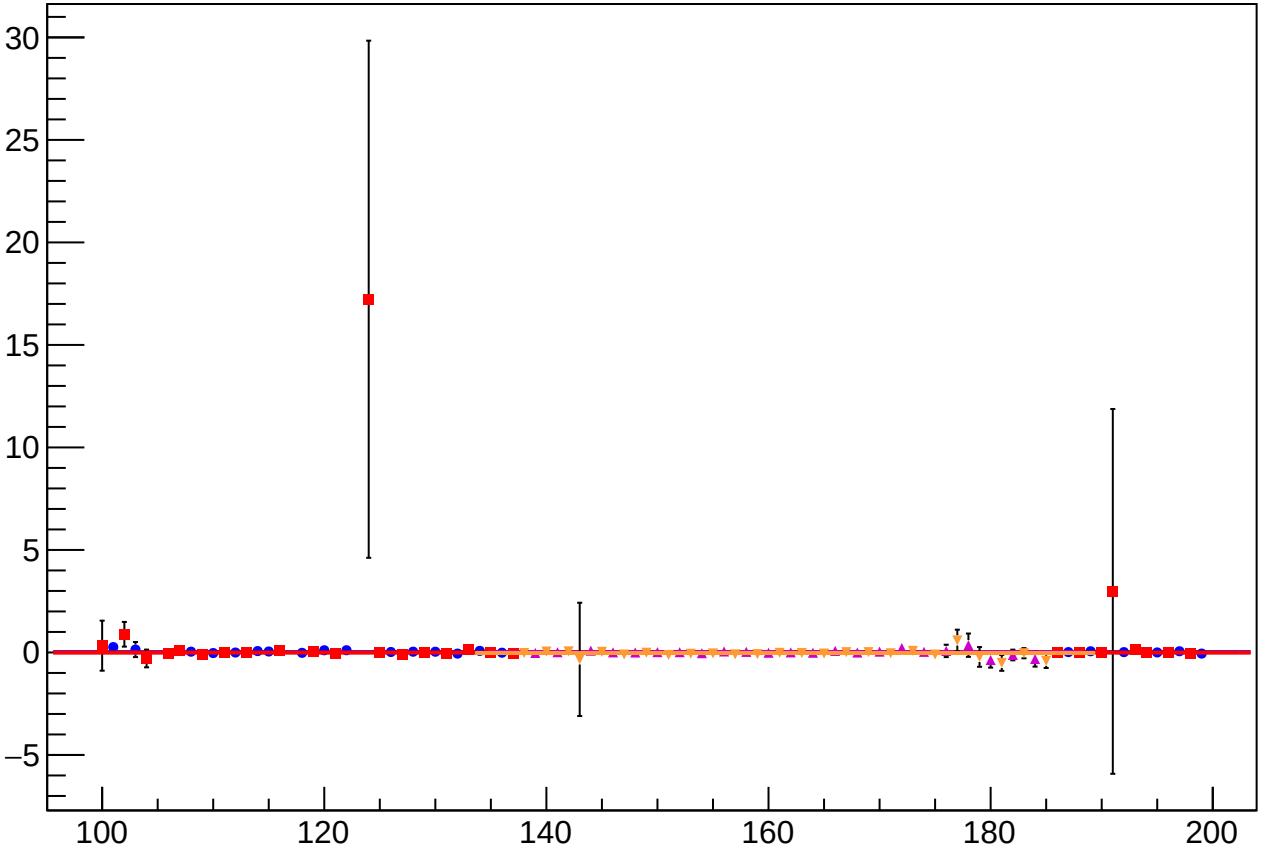
Right: 39.462+/-0.007 χ^2/NDF: 8380072.8/48

In: 35.179+/-0.006 χ^2/NDF:13009924.5/44

Out: 34.653+/-0.005 χ^2/NDF:15884579.1/51

All: 34.911+/-0.004 χ^2/NDF: 28899086.9/96

asym_atl_avg_atr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.015+/-0.014 χ^2/NDF: 13.1/21

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: -0.006+/-0.013 χ^2/NDF: 20.2/26

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

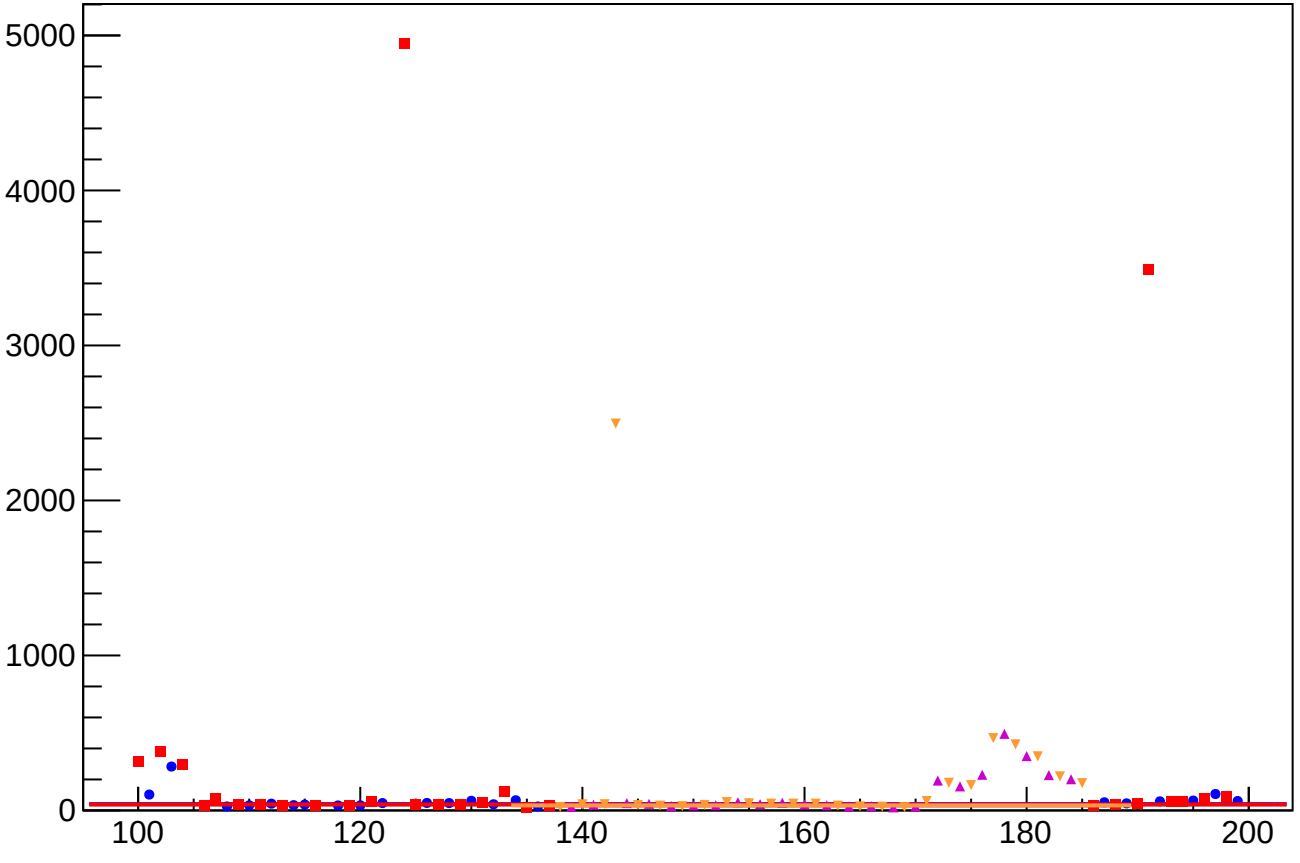
Right: 0.004+/-0.010 χ^2/NDF: 34.5/48

In: 0.012+/-0.008 χ^2/NDF:26.4/44

Out: -0.020+/-0.008 χ^2/NDF:50.2/51

All: -0.004+/-0.005 χ^2/NDF: 85.3/96

asym_atl_avg_atr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 40.415+/-0.010 χ^2/NDF: 3631400.7/21

Left Out: 32.551+/-0.007 χ^2/NDF:10871758.1/24

Right Out: 38.621+/-0.009 χ^2/NDF: 4731013.7/26

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

Left: 32.645+/-0.005 χ^2/NDF: 19835386.0/47

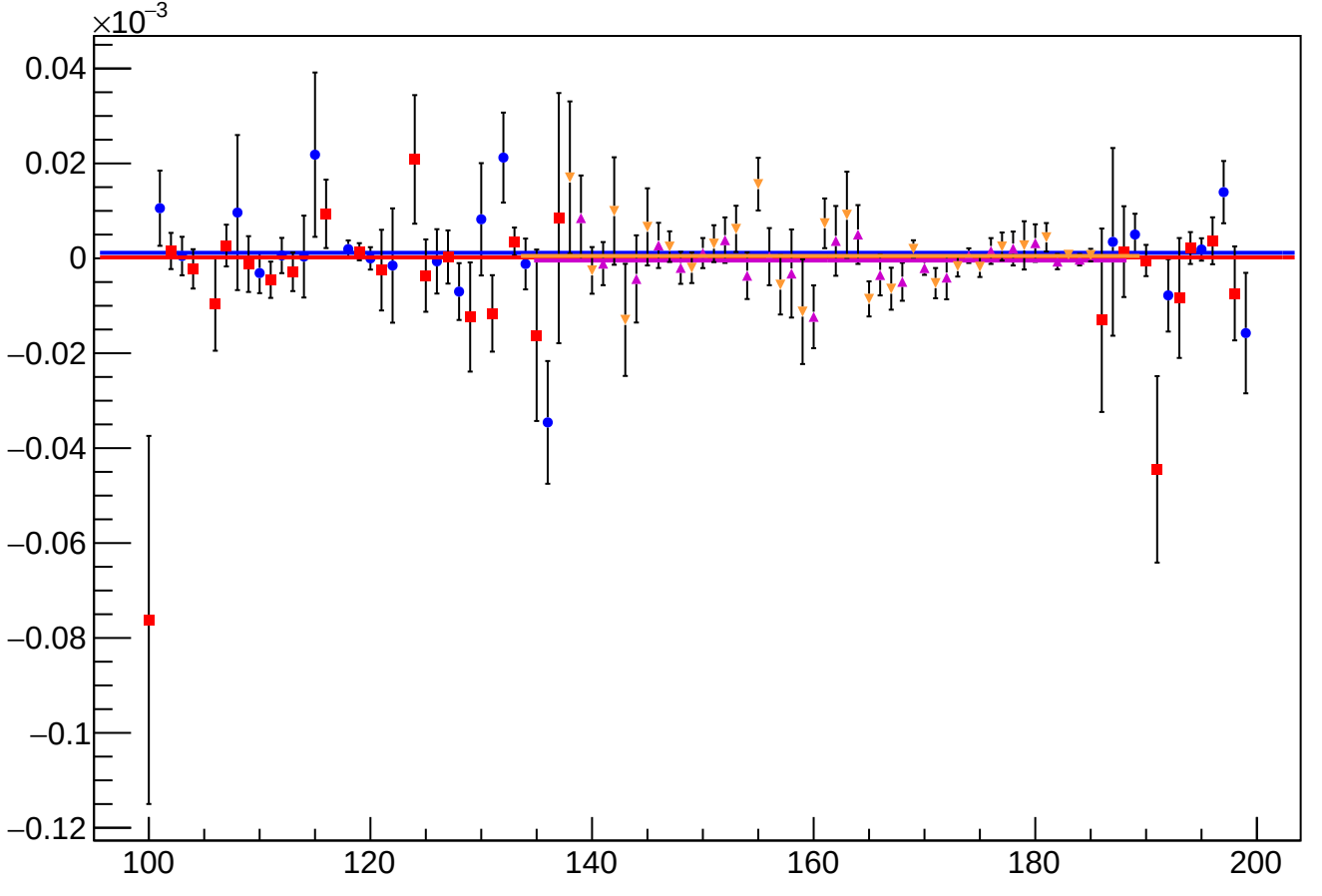
Right: 39.462+/-0.007 χ^2/NDF: 8380072.8/48

In: 35.179+/-0.006 χ^2/NDF:13009924.5/44

Out: 34.653+/-0.005 χ^2/NDF:15884579.1/51

All: 34.911+/-0.004 χ^2/NDF: 28899086.9/96

asym_atl_avg_atr_avg_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 27.1/21

Left Out: 0.000+/-0.000 χ^2/NDF:35.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 25.7/26

Left In: -0.000+/-0.000 χ^2/NDF:13.7/22

Left: 0.000+/-0.000 χ^2/NDF: 50.9/47

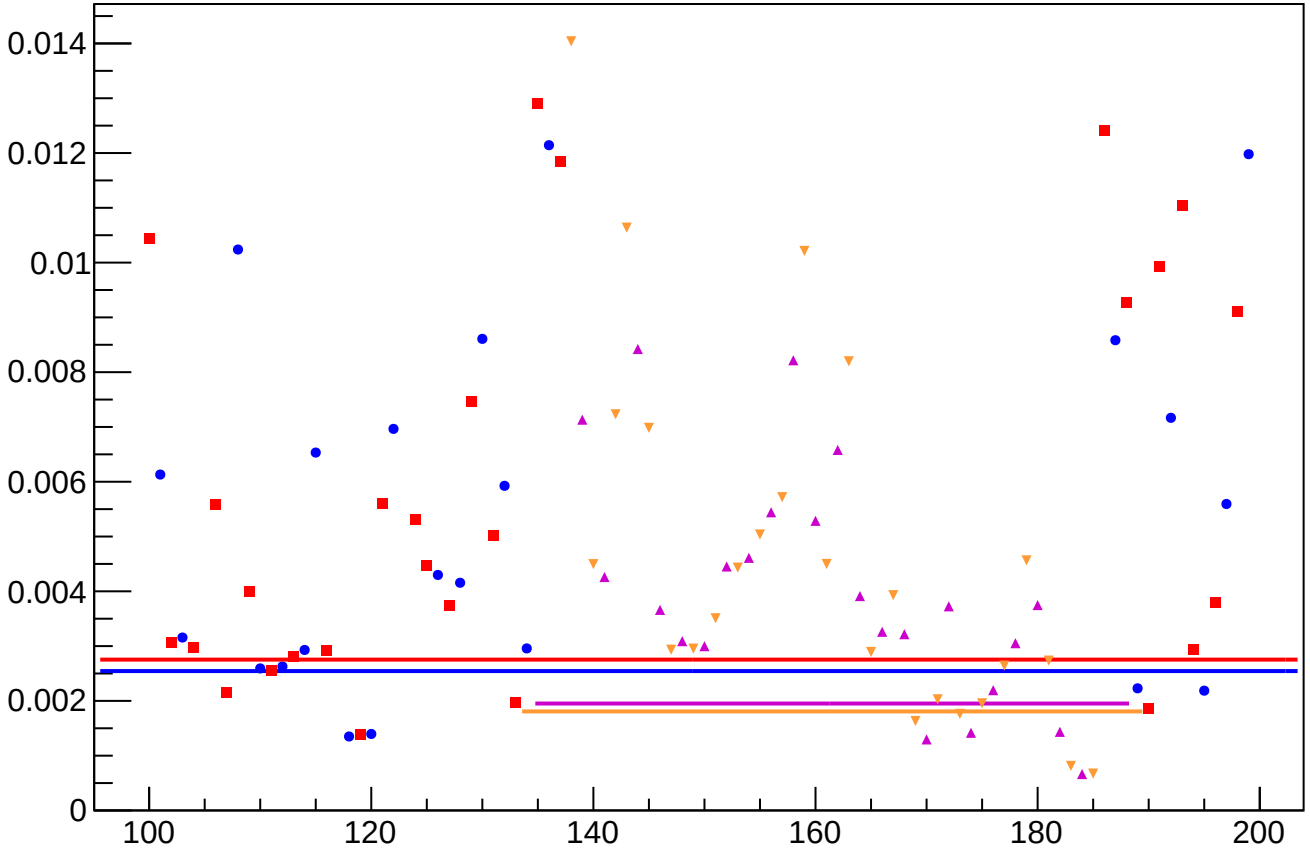
Right: 0.000+/-0.000 χ^2/NDF: 53.3/48

In: -0.000+/-0.000 χ^2/NDF:42.9/44

Out: 0.000+/-0.000 χ^2/NDF:61.5/51

All: 0.000+/-0.000 χ^2/NDF: 104.8/96

asym_atl_avg_atr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 7285883.4/21

Left Out: 0.002+/-0.000 χ^2/NDF:14941257.4/24

Right Out: 0.003+/-0.000 χ^2/NDF: 7117065.9/26

Left In: 0.002+/-0.000 χ^2/NDF:11478607.0/22

Left: 0.002+/-0.000 χ^2/NDF: 26484379.9/47

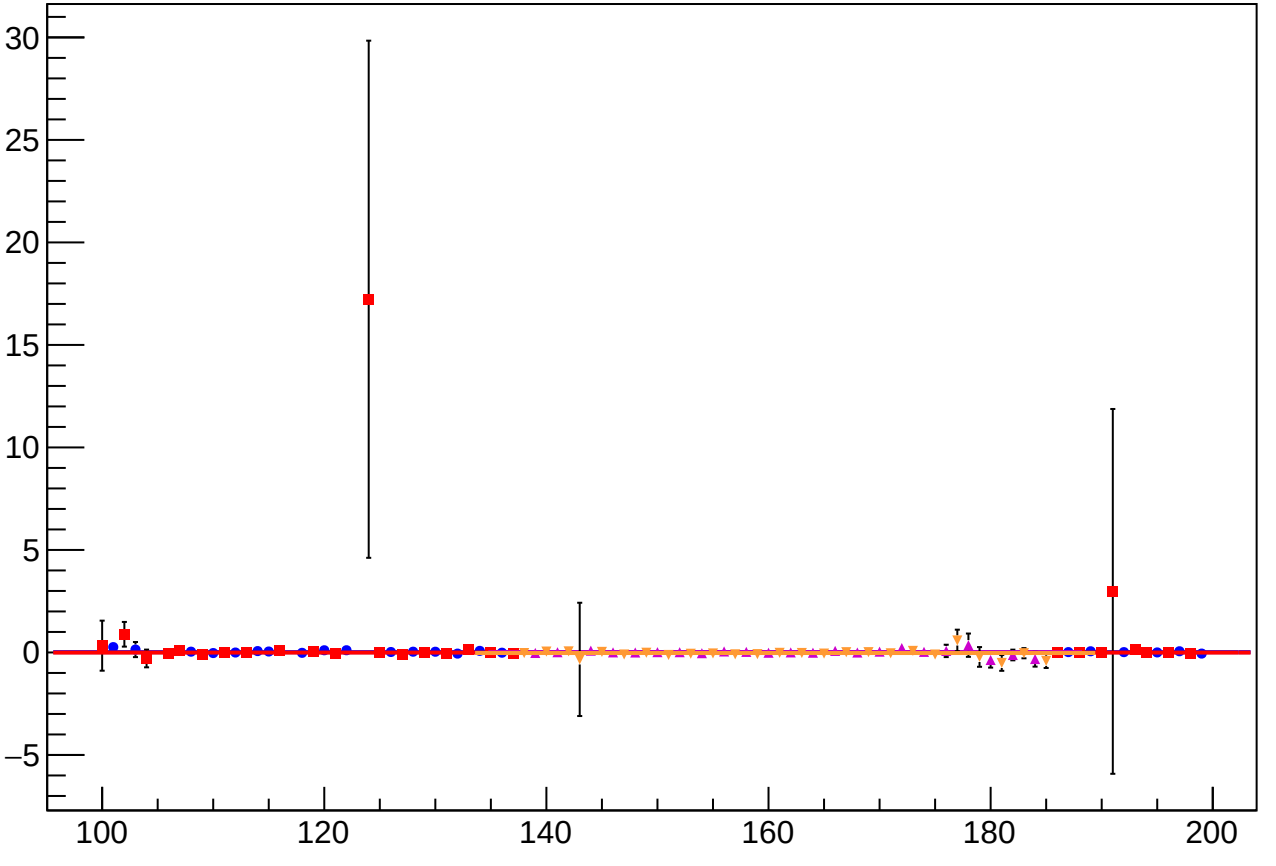
Right: 0.003+/-0.000 χ^2/NDF: 14451900.0/48

In: 0.002+/-0.000 χ^2/NDF:19322712.1/44

Out: 0.002+/-0.000 χ^2/NDF:23577199.2/51

All: 0.002+/-0.000 χ^2/NDF: 42919031.2/96

asym_atl_avg_atr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.015+/-0.014 χ^2/NDF: 13.1/21

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: -0.006+/-0.013 χ^2/NDF: 20.2/26

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

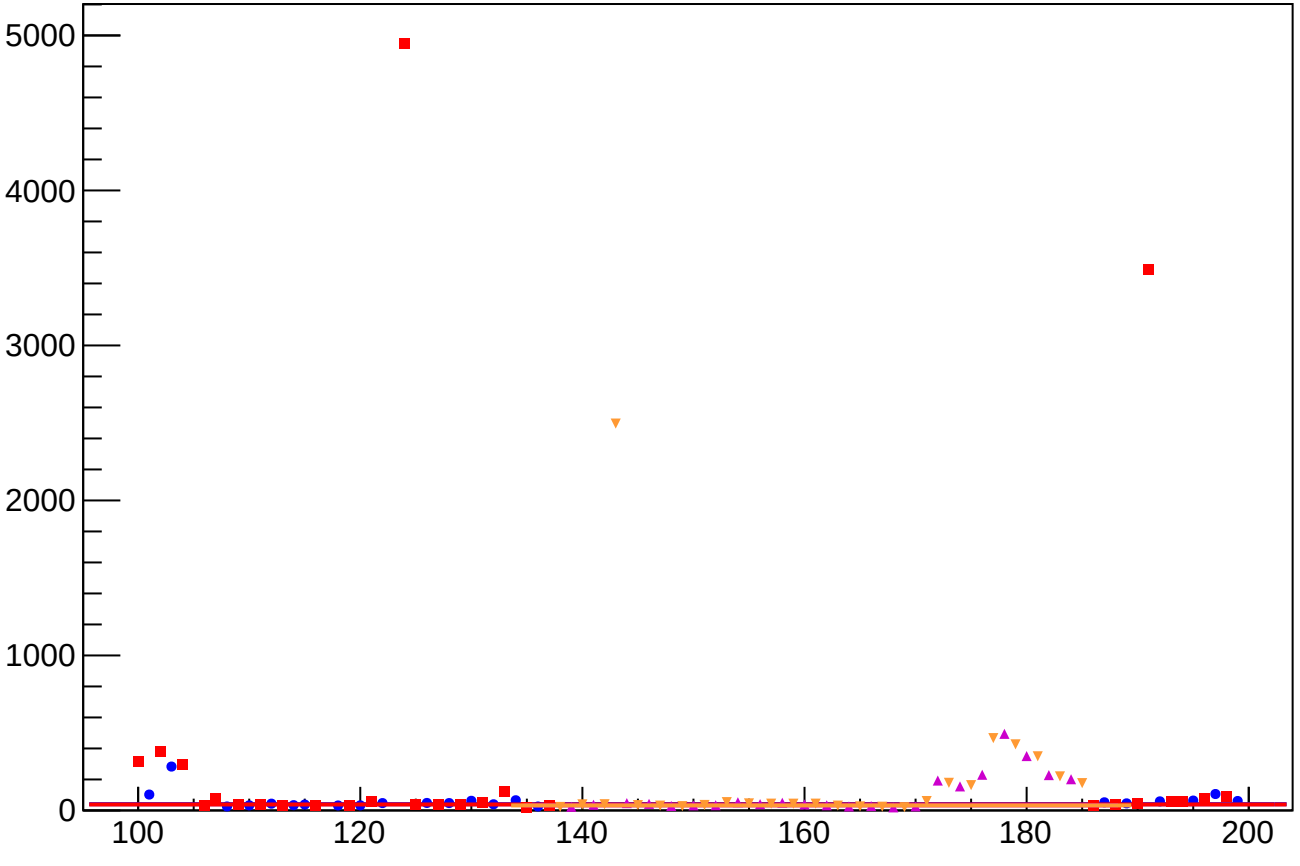
Right: 0.004+/-0.010 χ^2/NDF: 34.5/48

In: 0.012+/-0.008 χ^2/NDF:26.4/44

Out: -0.020+/-0.008 χ^2/NDF:50.2/51

All: -0.004+/-0.005 χ^2/NDF: 85.3/96

asym_atl_avg_atr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 40.416+/-0.010 χ^2/NDF: 3630975.6/21

Left Out: 32.551+/-0.007 χ^2/NDF:10872015.8/24

Right Out: 38.621+/-0.009 χ^2/NDF: 4730776.9/26

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

Left: 32.644+/-0.005 χ^2/NDF: 19836272.3/47

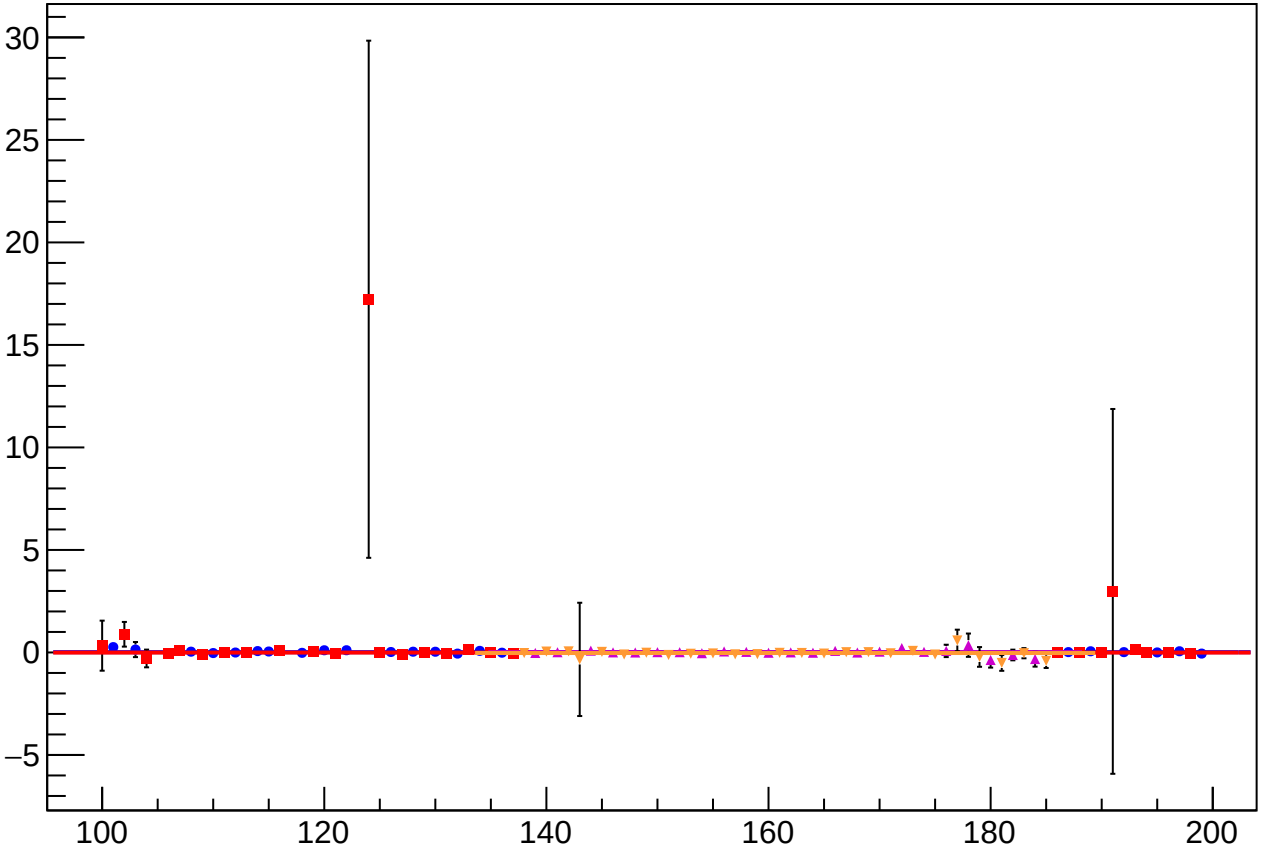
Right: 39.463+/-0.007 χ^2/NDF: 8379434.3/48

In: 35.179+/-0.006 χ^2/NDF:13010423.3/44

Out: 34.653+/-0.005 χ^2/NDF:15884641.5/51

All: 34.911+/-0.004 χ^2/NDF: 28899639.0/96

asym_atl_avg_atr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.015+/-0.014 χ^2/NDF: 13.1/21

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: -0.006+/-0.013 χ^2/NDF: 20.2/26

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

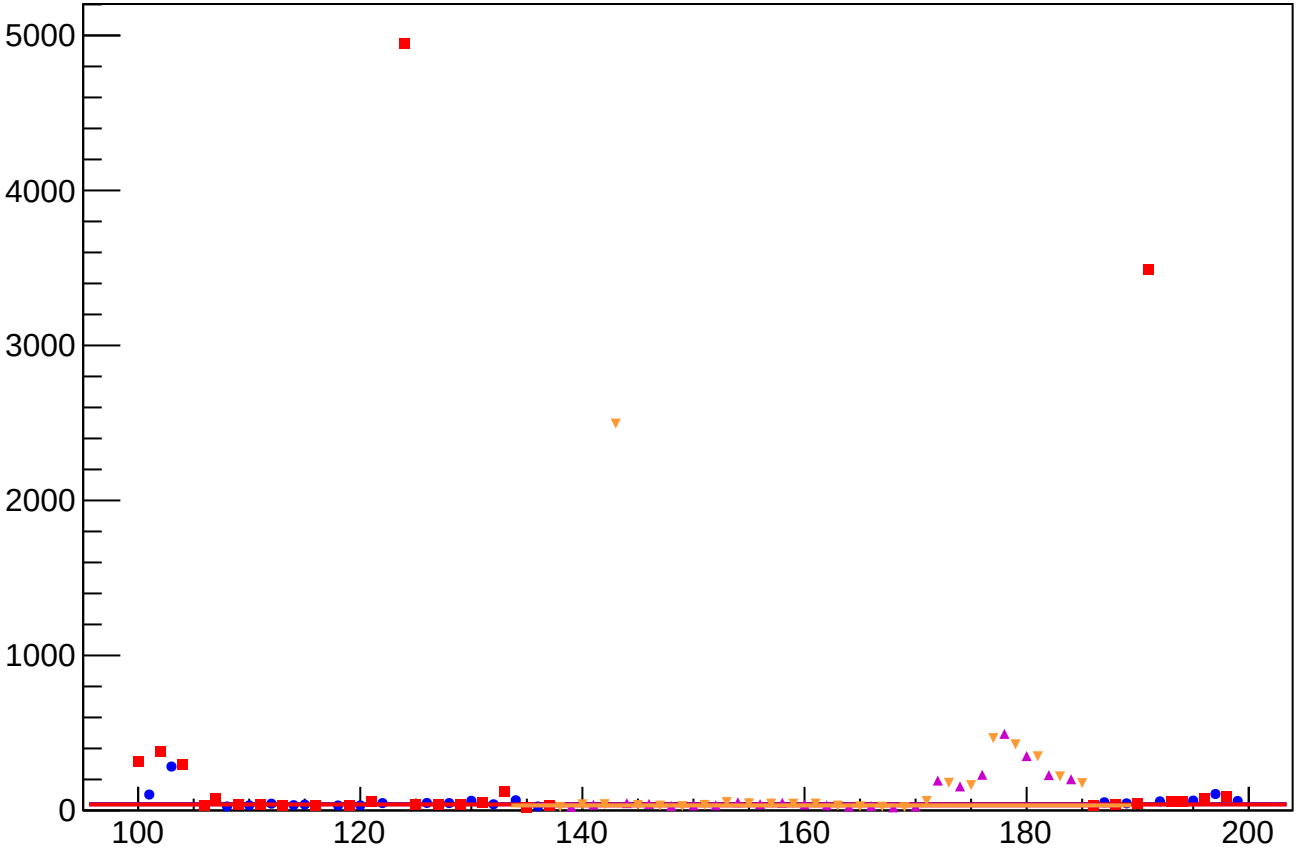
Right: 0.004+/-0.010 χ^2/NDF: 34.5/48

In: 0.012+/-0.008 χ^2/NDF:26.4/44

Out: -0.020+/-0.008 χ^2/NDF:50.2/51

All: -0.004+/-0.005 χ^2/NDF: 85.3/96

asym_atl_avg_atr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 40.416+/-0.010 χ^2/NDF: 3630975.6/21

Left Out: 32.551+/-0.007 χ^2/NDF:10872015.8/24

Right Out: 38.621+/-0.009 χ^2/NDF: 4730776.9/26

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

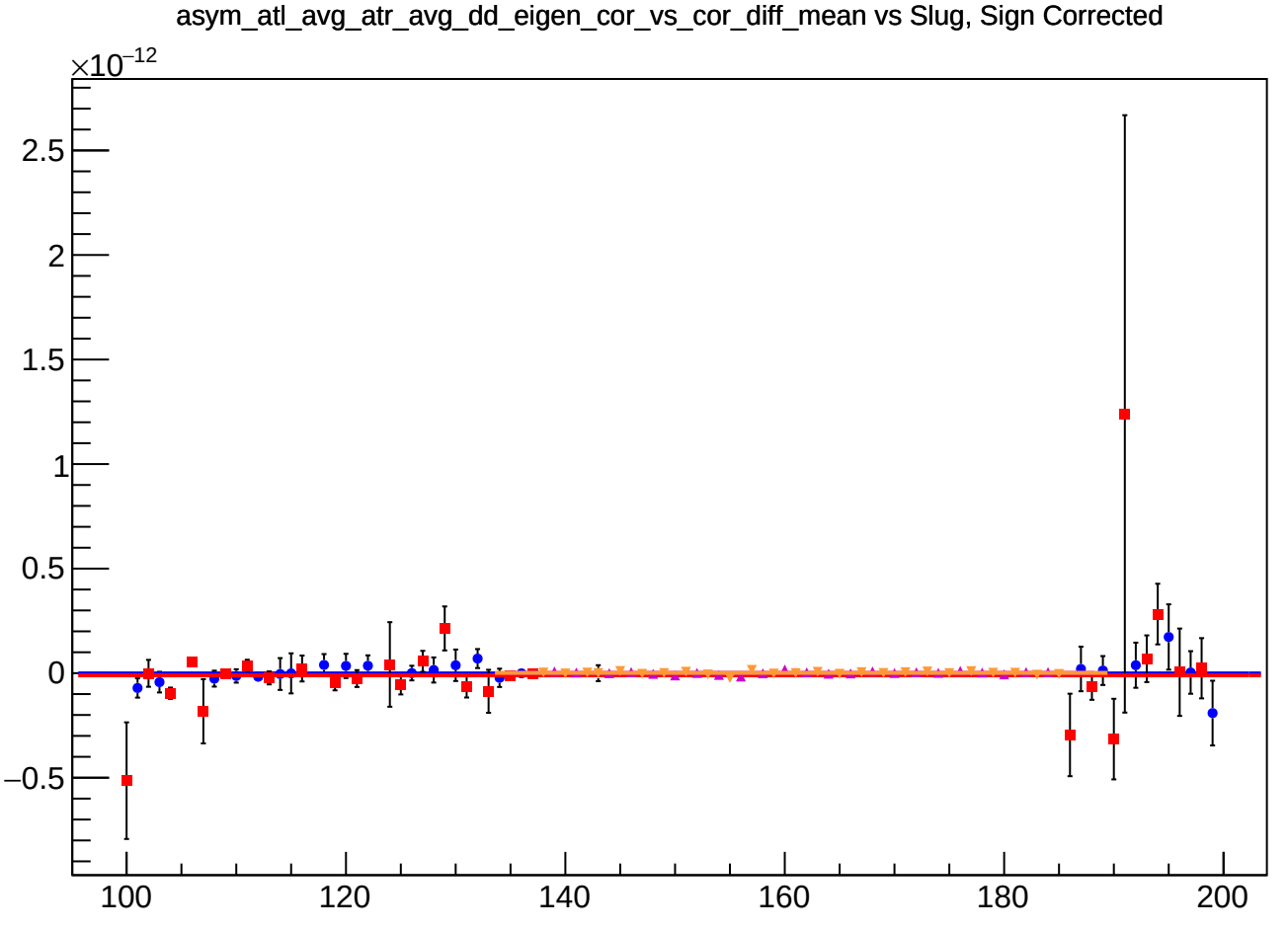
Left: 32.644+/-0.005 χ^2/NDF: 19836272.3/47

Right: 39.463+/-0.007 χ^2/NDF: 8379434.3/48

In: 35.179+/-0.006 χ^2/NDF:13010423.3/44

Out: 34.653+/-0.005 χ^2/NDF:15884641.5/51

All: 34.911+/-0.004 χ^2/NDF: 28899639.0/96



Right In: -0.000+/-0.000 χ^2/NDF: 11.6/21

Left Out: 0.000+/-0.000 χ^2/NDF:18.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 50.5/26

Left In: 0.000+/-0.000 χ^2/NDF:28.7/22

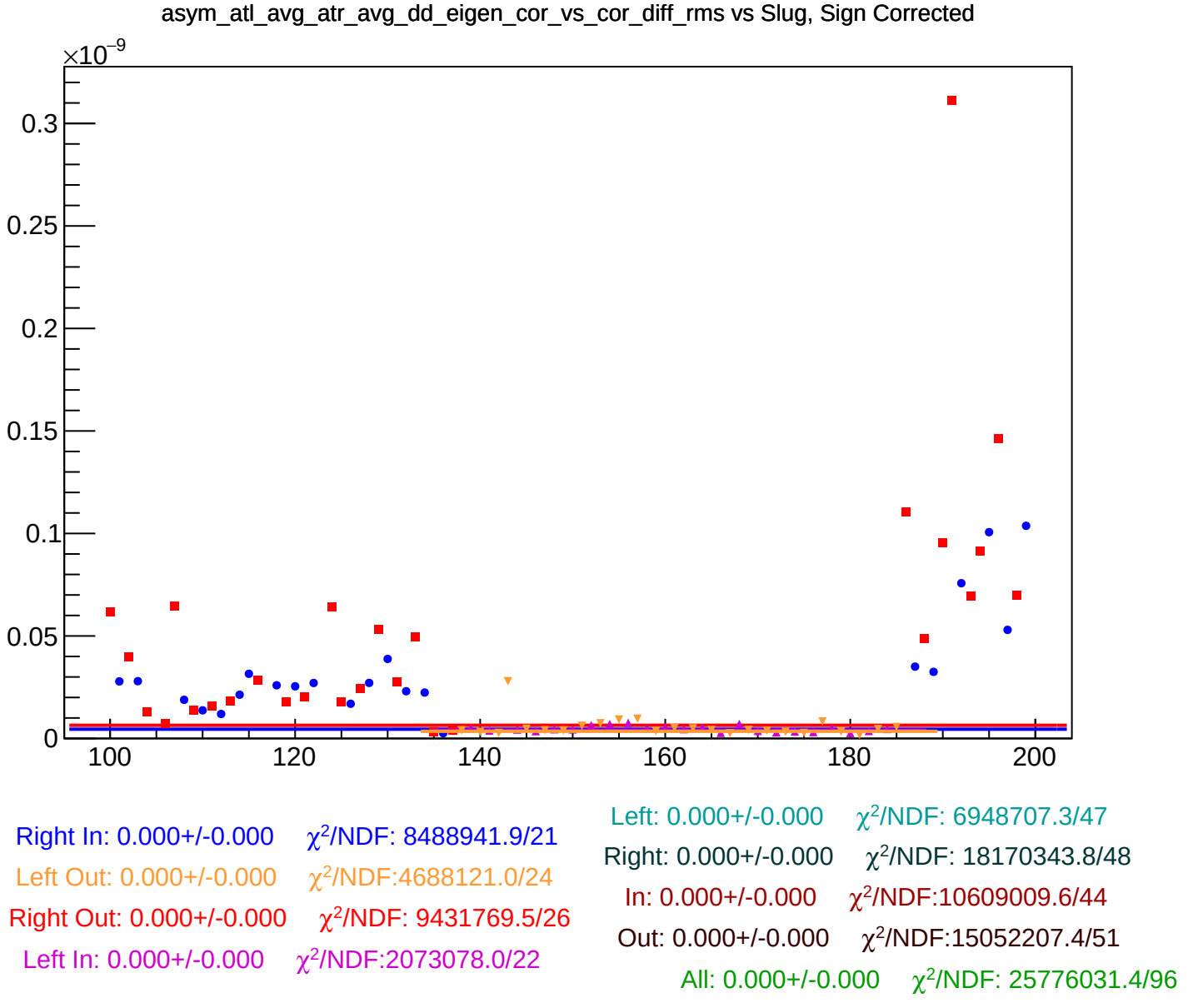
Left: 0.000+/-0.000 χ^2/NDF: 46.8/47

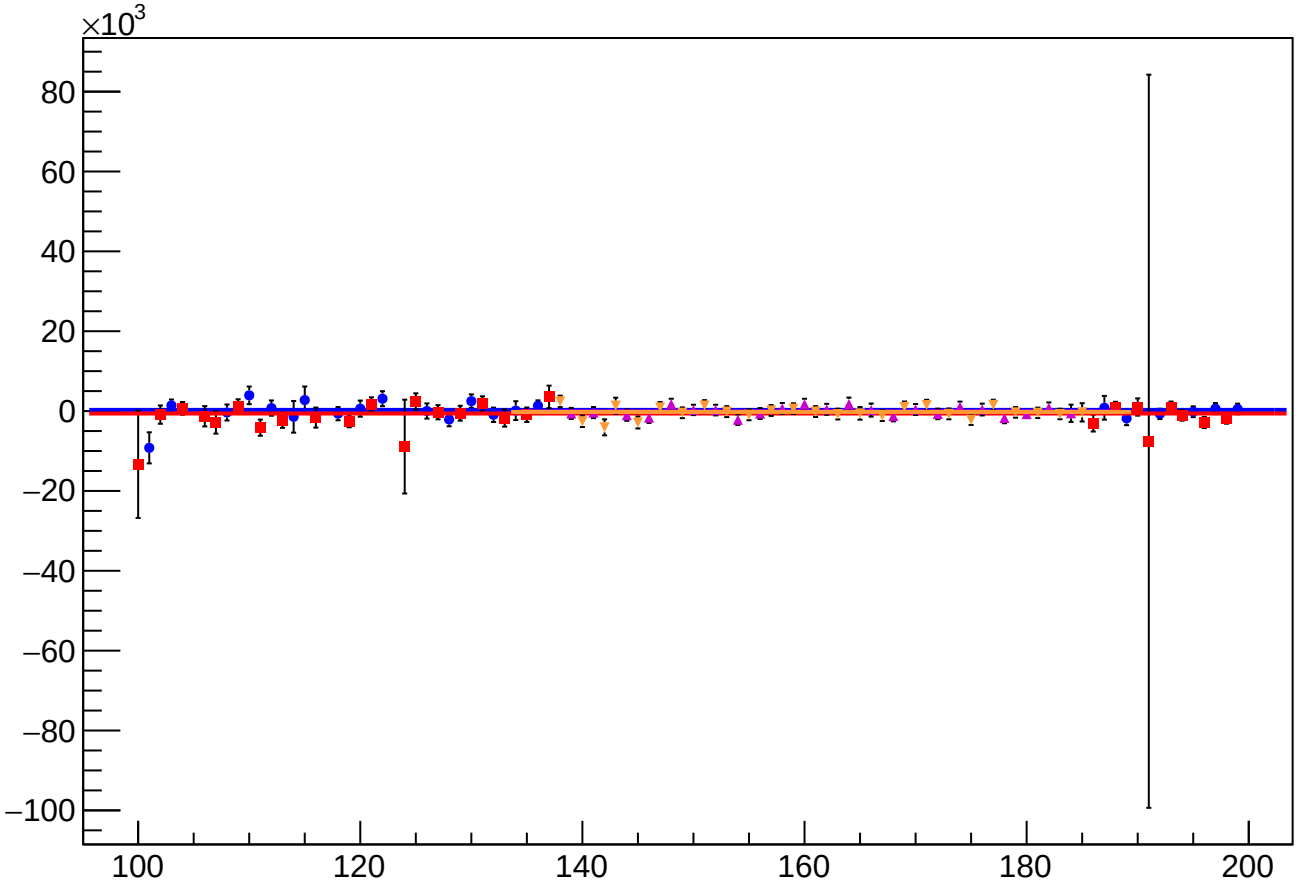
Right: -0.000+/-0.000 χ^2/NDF: 65.0/48

In: 0.000+/-0.000 χ^2/NDF:40.7/44

Out: 0.000+/-0.000 χ^2/NDF:76.3/51

All: 0.000+/-0.000 χ^2/NDF: 117.0/96


asym_atl_avg_atr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−9
0.3
0.25
0.2
0.15
0.1
0.05
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 8488941.9/21
Left Out: 0.000+/-0.000 χ²/NDF:4688121.0/24
Right Out: 0.000+/-0.000 χ²/NDF: 9431769.5/26
Left In: 0.000+/-0.000 χ²/NDF:2073078.0/22
Left: 0.000+/-0.000 χ²/NDF: 6948707.3/47
Right: 0.000+/-0.000 χ²/NDF: 18170343.8/48
In: 0.000+/-0.000 χ²/NDF:10609009.6/44
Out: 0.000+/-0.000 χ²/NDF:15052207.4/51
All: 0.000+/-0.000 χ²/NDF: 25776031.4/96



Right In: 299.198+/-378.376 χ^2/NDF: 19.8/21

Left Out: -220.721+/-283.055 χ^2/NDF:23.9/24

Right Out: -615.579+/-367.279 χ^2/NDF: 24.8/26

Left In: -92.402+/-288.217 χ^2/NDF:14.7/22

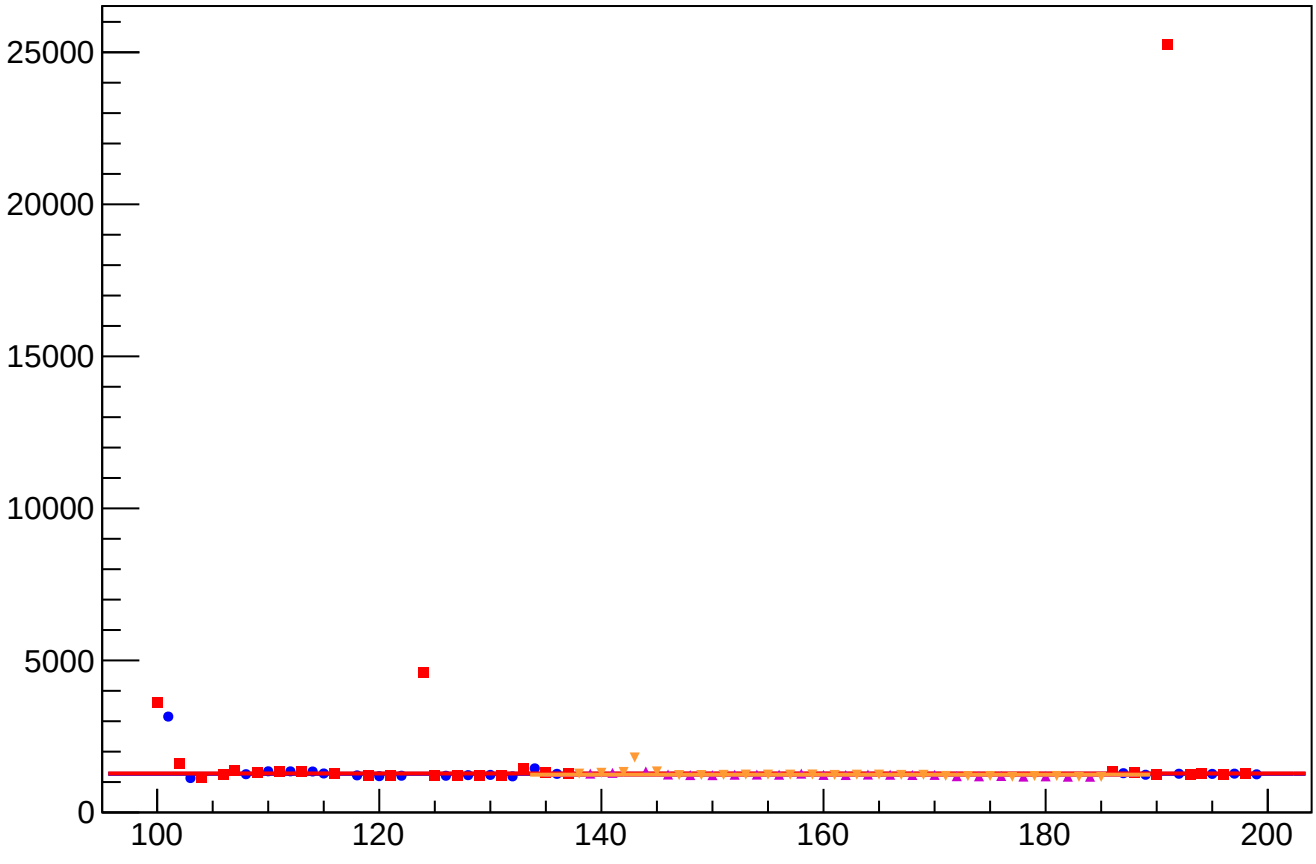
Left: -157.721+/-201.950 χ^2/NDF: 38.7/47

Right: -171.801+/-263.541 χ^2/NDF: 47.6/48

In: 51.384+/-229.277 χ^2/NDF:35.2/44

Out: -367.856+/-224.199 χ^2/NDF:49.4/51

All: -162.930+/-160.298 χ^2/NDF: 86.3/96



Right In: 1269.854+/-0.268 χ^2/NDF: 520431.9/21

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

Right Out: 1282.613+/-0.260 χ^2/NDF: 468595.1/26

Left In: 1233.752+/-0.204 χ^2/NDF:39281.8/22

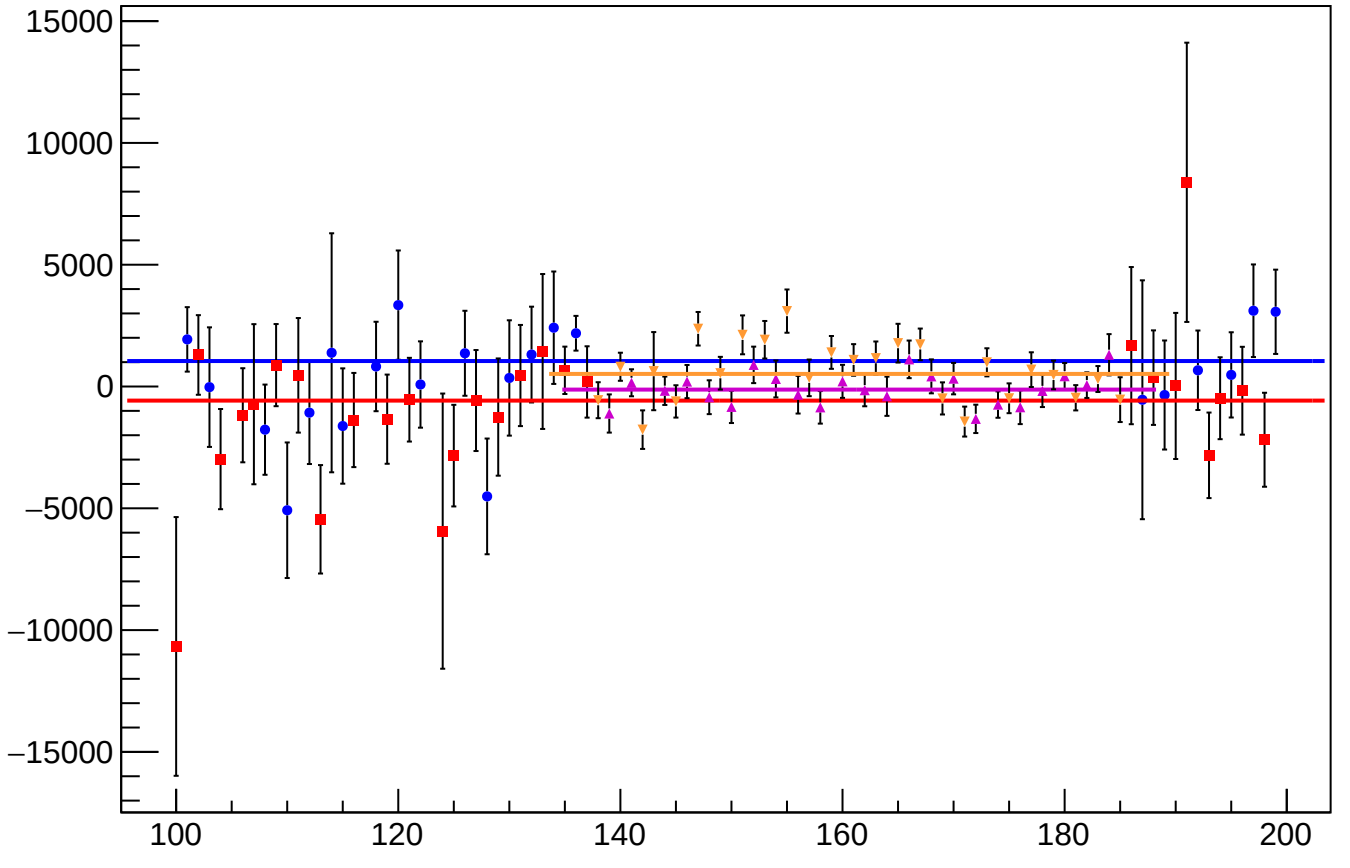
Left: 1238.371+/-0.143 χ^2/NDF: 243589.7/47

Right: 1276.423+/-0.186 χ^2/NDF: 990198.0/48

In: 1247.008+/-0.162 χ^2/NDF:571235.2/44

Out: 1257.651+/-0.159 χ^2/NDF:686619.9/51

All: 1252.449+/-0.113 χ^2/NDF: 1260058.2/96



Right In: 1045.806+/-376.119 χ^2/NDF: 23.2/21

Left Out: 516.792+/-135.746 χ^2/NDF:67.0/24

Right Out: -578.347+/-379.995 χ^2/NDF: 22.8/26

Left In: -126.569+/-137.266 χ^2/NDF:21.6/22

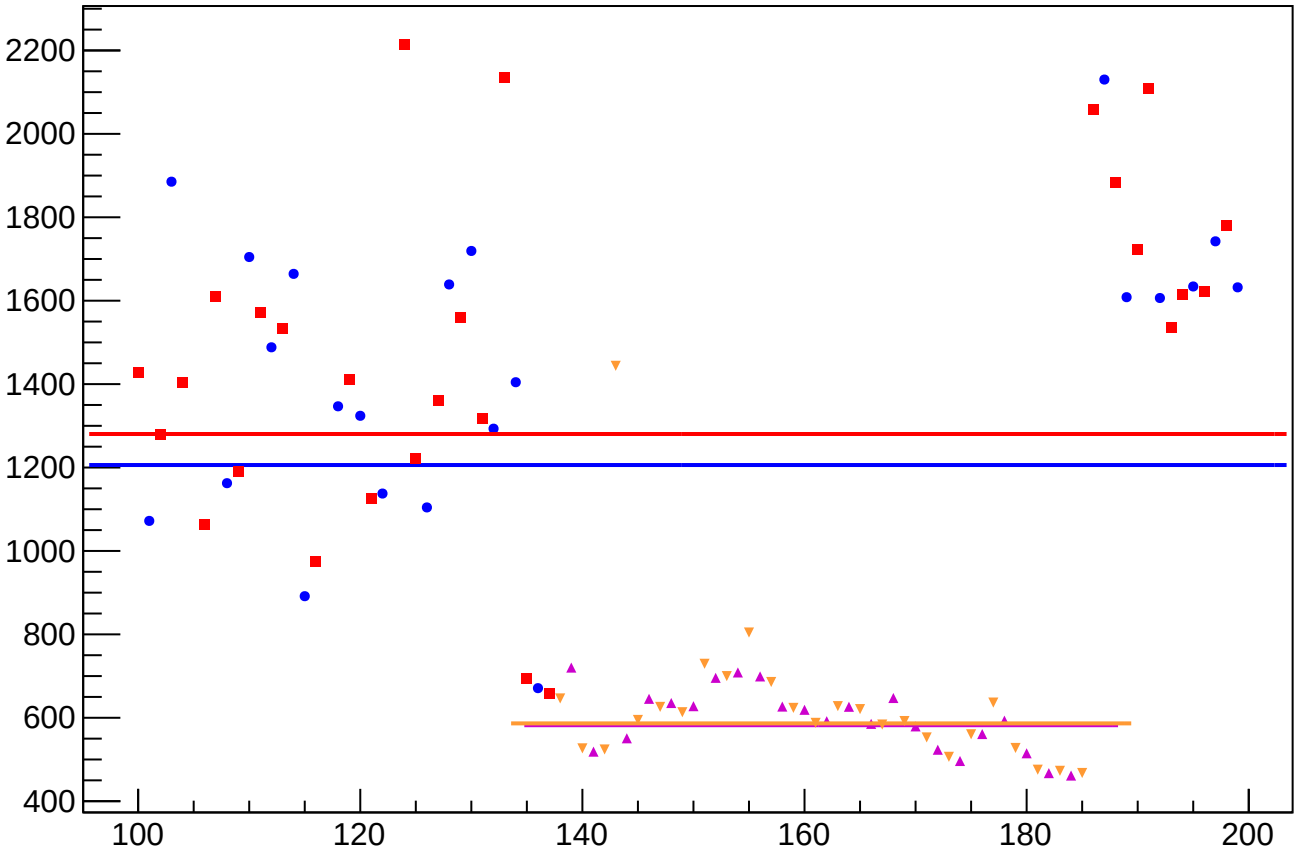
Left: 198.694+/-96.520 χ^2/NDF: 99.7/47

Right: 242.056+/-267.316 χ^2/NDF: 55.2/48

In: 11.228+/-128.947 χ^2/NDF:53.3/44

Out: 392.853+/-127.834 χ^2/NDF:97.2/51

All: 203.695+/-90.783 χ^2/NDF: 154.9/96



Right In: 1206.012+/-0.266 χ^2/NDF: 2316178.3/21

Left Out: 586.557+/-0.096 χ^2/NDF:1202915.7/24

Right Out: 1280.399+/-0.269 χ^2/NDF: 2234342.5/26

Left In: 582.190+/-0.097 χ^2/NDF:559261.3/22

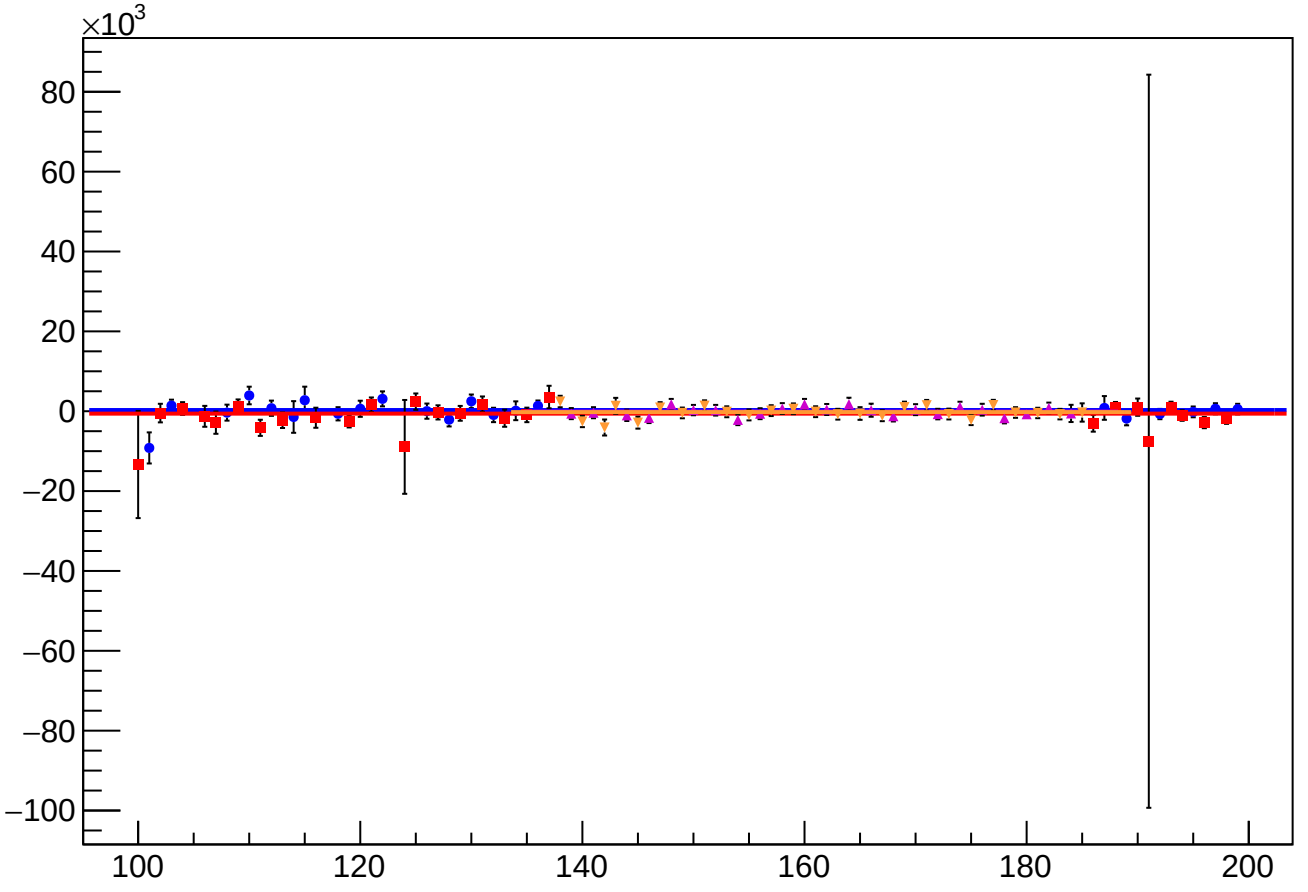
Left: 584.398+/-0.068 χ^2/NDF: 1763200.3/47

Right: 1242.824+/-0.189 χ^2/NDF: 4589235.6/48

In: 655.512+/-0.091 χ^2/NDF:7730530.5/44

Out: 665.081+/-0.090 χ^2/NDF:9350619.9/51

All: 660.338+/-0.064 χ^2/NDF: 17086704.1/96



Right In: 299.409+/-378.376 χ^2/NDF: 19.8/21

Left Out: -220.755+/-283.055 χ^2/NDF:23.9/24

Right Out: -603.827+/-367.644 χ^2/NDF: 24.8/26

Left In: -92.472+/-288.217 χ^2/NDF:14.7/22

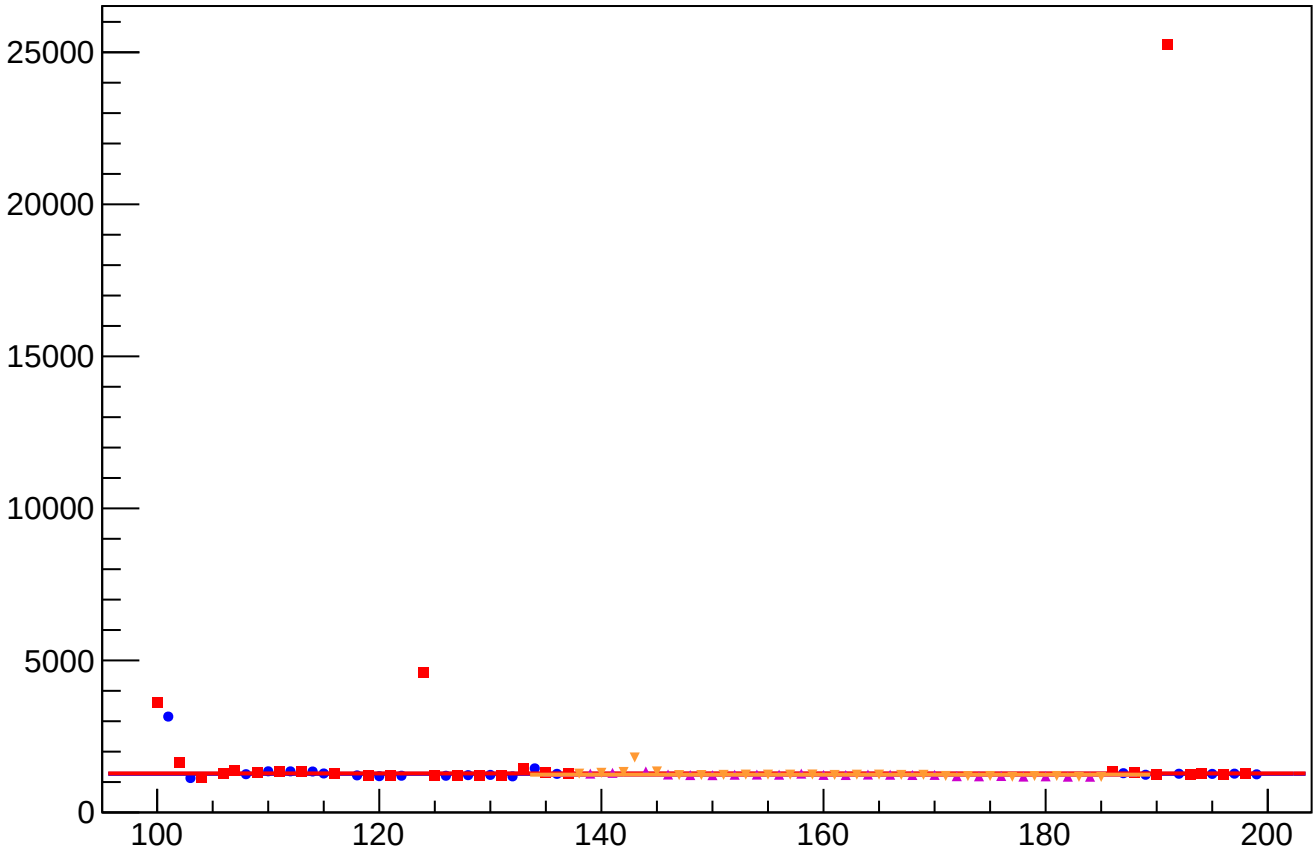
Left: -157.773+/-201.950 χ^2/NDF: 38.7/47

Right: -165.200+/-263.676 χ^2/NDF: 47.5/48

In: 51.418+/-229.277 χ^2/NDF:35.2/44

Out: -363.320+/-224.282 χ^2/NDF:49.4/51

All: -160.519+/-160.328 χ^2/NDF: 86.2/96



Right In: 1269.853+/-0.268 χ^2/NDF: 520433.3/21

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

Right Out: 1283.949+/-0.260 χ^2/NDF: 475260.4/26

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

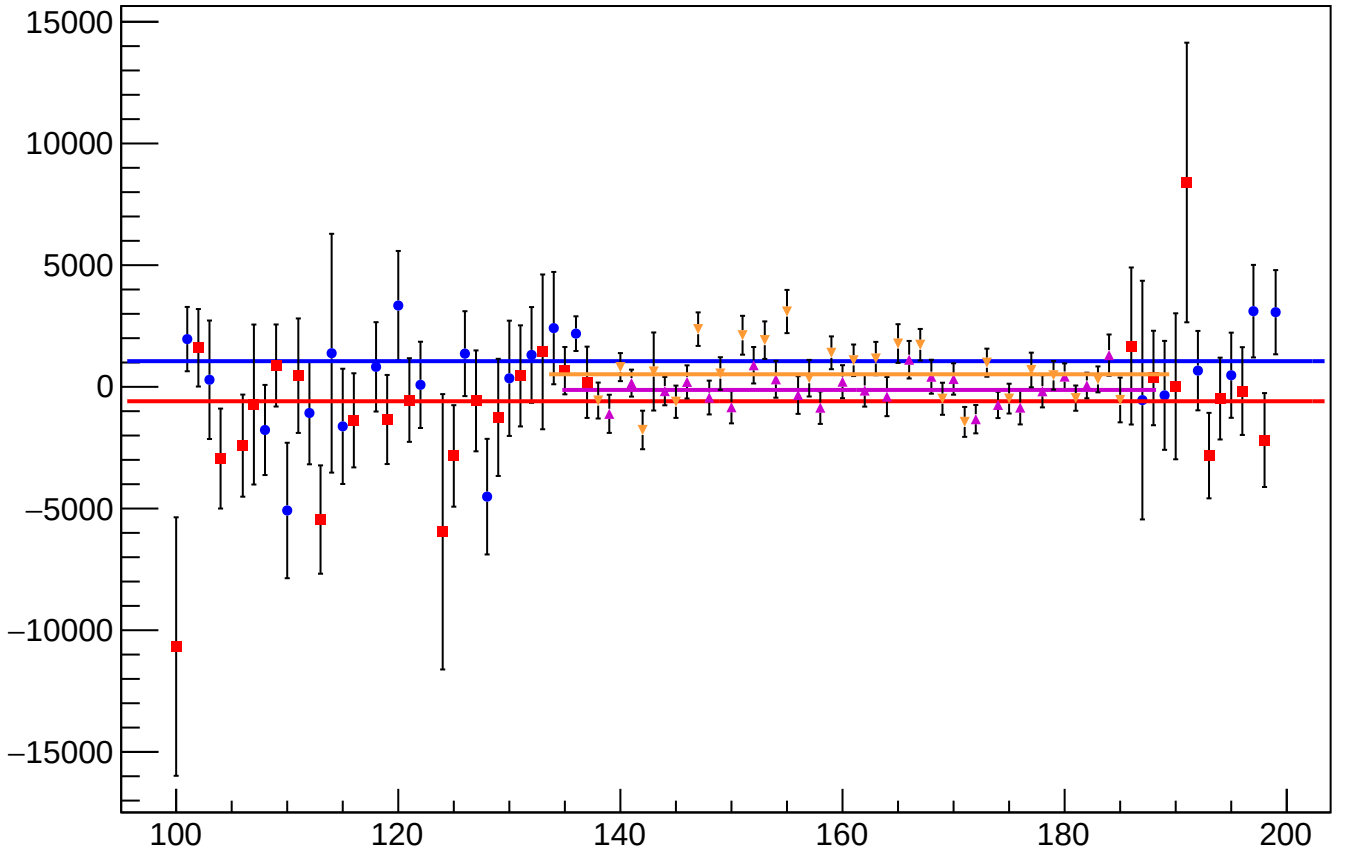
Left: 1238.371+/-0.143 χ^2/NDF: 243589.6/47

Right: 1277.104+/-0.186 χ^2/NDF: 997121.4/48

In: 1247.008+/-0.162 χ^2/NDF:571236.5/44

Out: 1258.130+/-0.159 χ^2/NDF:694271.1/51

All: 1252.691+/-0.113 χ^2/NDF: 1267912.6/96



Right In: 1055.404+/-375.997 χ^2/NDF: 23.1/21

Left Out: 516.811+/-135.747 χ^2/NDF:67.0/24

Right Out: -591.449+/-380.548 χ^2/NDF: 24.0/26

Left In: -126.549+/-137.266 χ^2/NDF:21.6/22

Left: 198.710+/-96.520 χ^2/NDF: 99.7/47

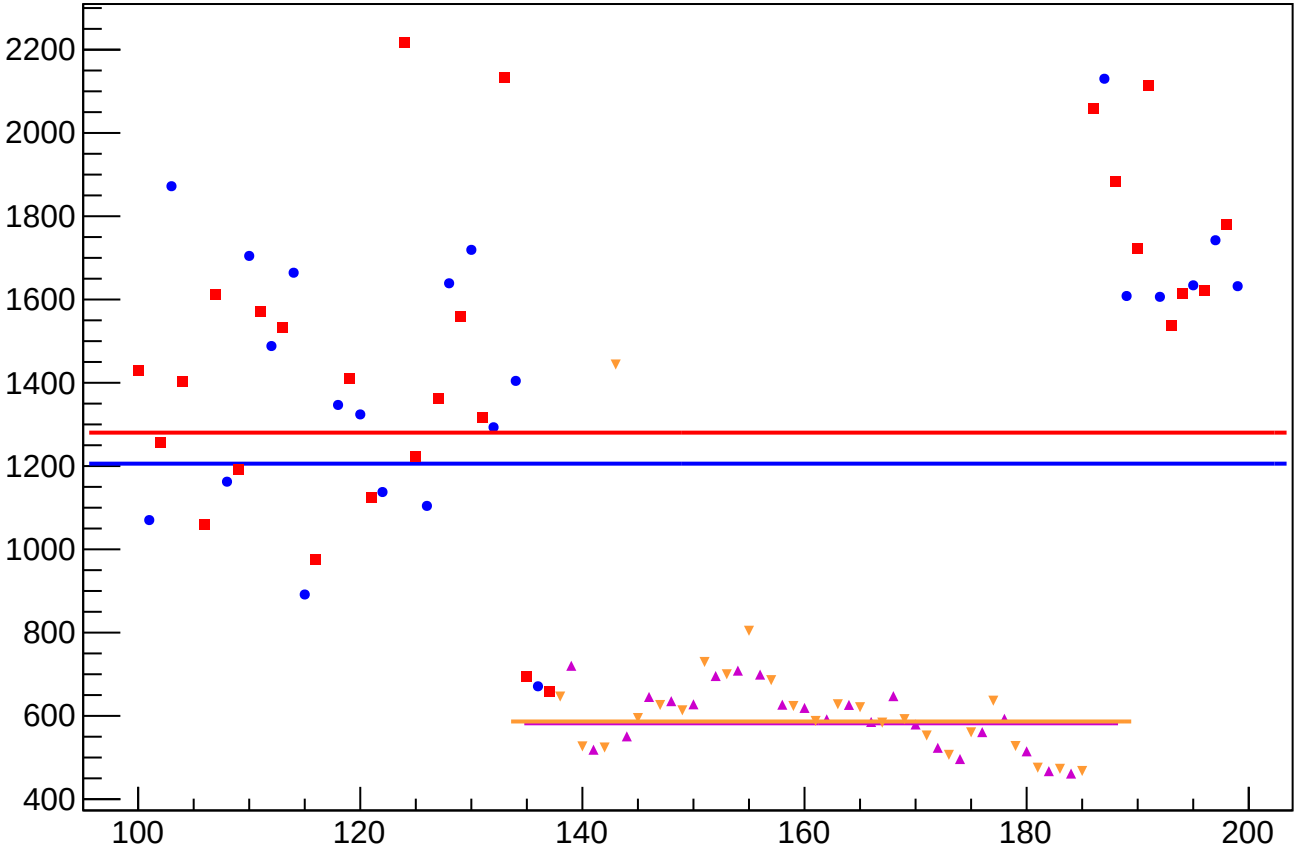
Right: 241.884+/-267.464 χ^2/NDF: 56.6/48

In: 12.453+/-128.942 χ^2/NDF:53.4/44

Out: 391.709+/-127.856 χ^2/NDF:98.5/51

All: 203.685+/-90.789 χ^2/NDF: 156.3/96

asym_atl_dd_atr_dd_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 1205.783+/-0.266 χ^2/NDF: 2313335.4/21

Left Out: 586.562+/-0.096 χ^2/NDF:1202822.0/24

Right Out: 1280.283+/-0.269 χ^2/NDF: 2231928.4/26

Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

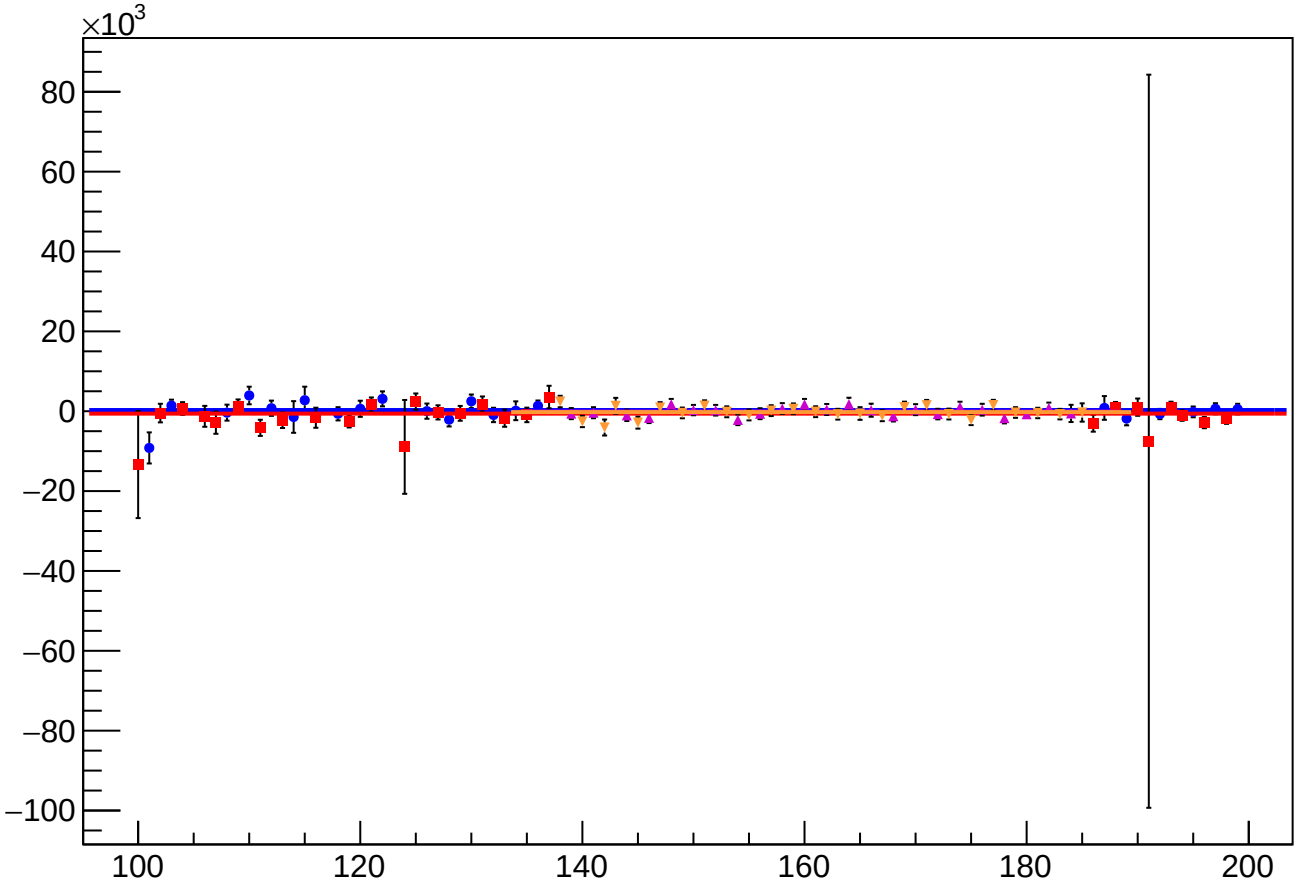
Left: 584.400+/-0.068 χ^2/NDF: 1763106.4/47

Right: 1242.585+/-0.189 χ^2/NDF: 4584051.3/48

In: 655.525+/-0.091 χ^2/NDF:7726925.7/44

Out: 664.870+/-0.090 χ^2/NDF:9330823.2/51

All: 660.237+/-0.064 χ^2/NDF: 17063045.8/96



Right In: 299.409+/-378.376 χ^2/NDF: 19.8/21

Left Out: -220.755+/-283.055 χ^2/NDF:23.9/24

Right Out: -603.827+/-367.644 χ^2/NDF: 24.8/26

Left In: -92.472+/-288.217 χ^2/NDF:14.7/22

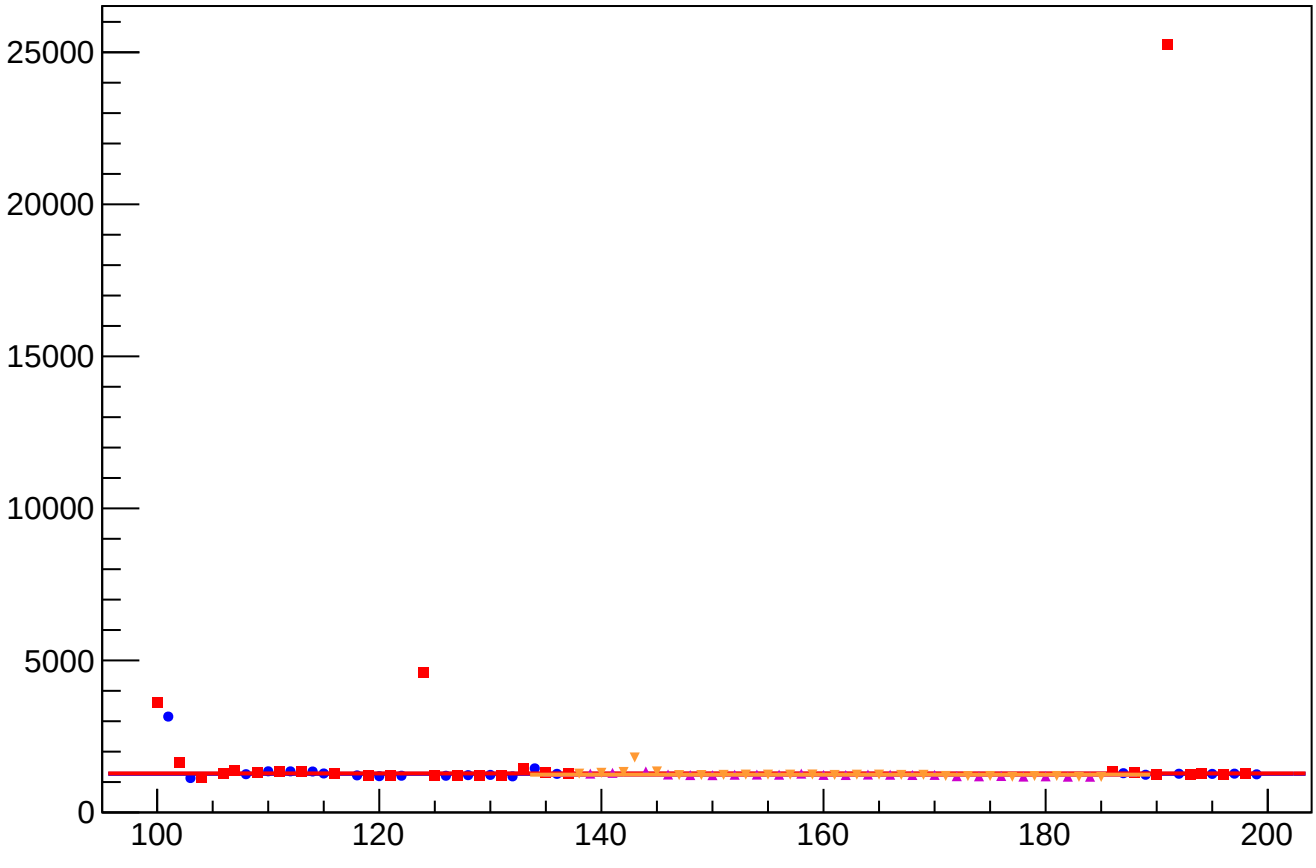
Left: -157.773+/-201.950 χ^2/NDF: 38.7/47

Right: -165.200+/-263.676 χ^2/NDF: 47.5/48

In: 51.418+/-229.277 χ^2/NDF:35.2/44

Out: -363.320+/-224.282 χ^2/NDF:49.4/51

All: -160.519+/-160.328 χ^2/NDF: 86.2/96



Right In: 1269.853+/-0.268 χ^2/NDF: 520433.3/21

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

Right Out: 1283.949+/-0.260 χ^2/NDF: 475260.4/26

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

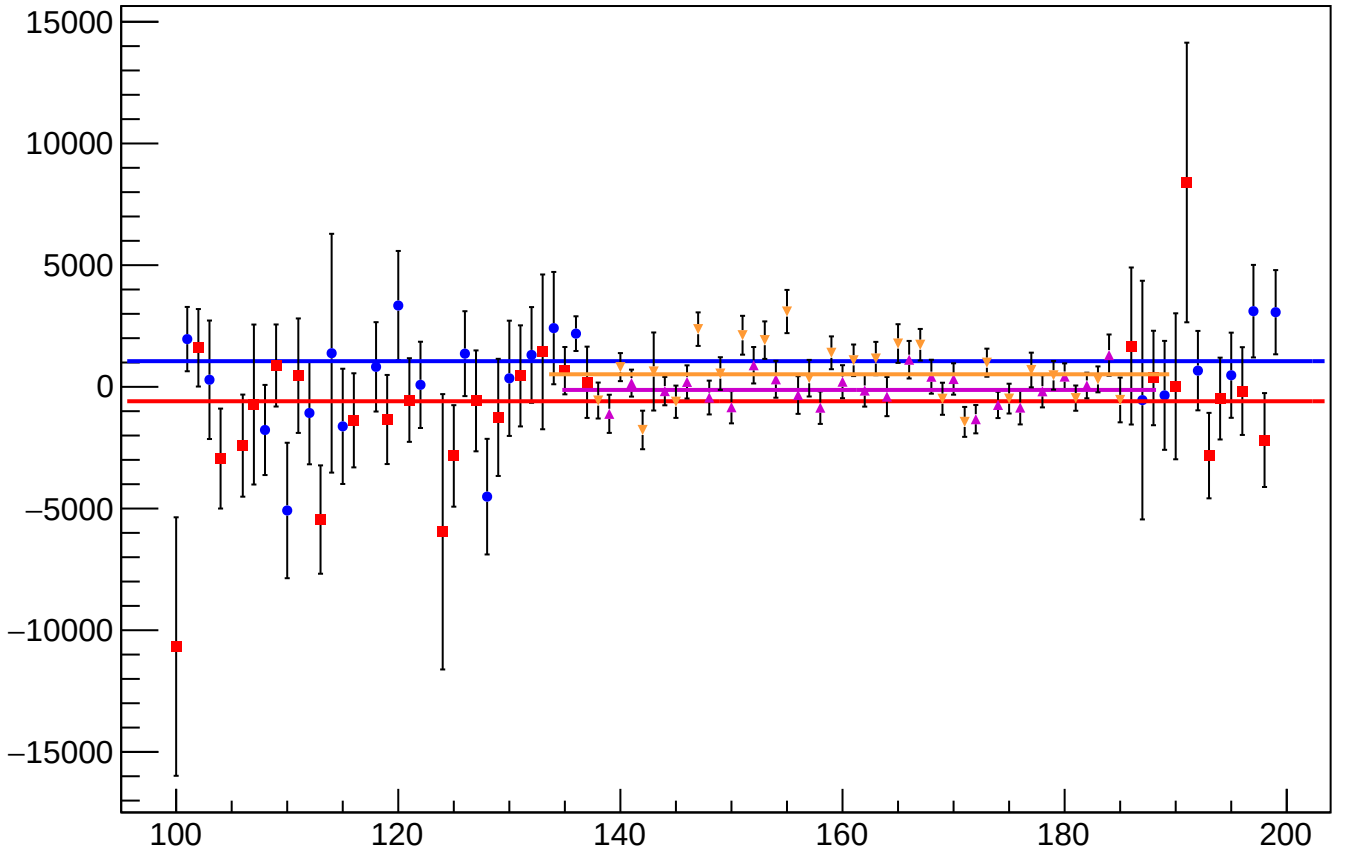
Left: 1238.371+/-0.143 χ^2/NDF: 243589.6/47

Right: 1277.104+/-0.186 χ^2/NDF: 997121.4/48

In: 1247.008+/-0.162 χ^2/NDF:571236.5/44

Out: 1258.130+/-0.159 χ^2/NDF:694271.1/51

All: 1252.691+/-0.113 χ^2/NDF: 1267912.6/96



Right In: 1055.404+/-375.997 χ^2/NDF: 23.1/21

Left Out: 516.811+/-135.747 χ^2/NDF:67.0/24

Right Out: -591.449+/-380.548 χ^2/NDF: 24.0/26

Left In: -126.549+/-137.266 χ^2/NDF:21.6/22

Left: 198.710+/-96.520 χ^2/NDF: 99.7/47

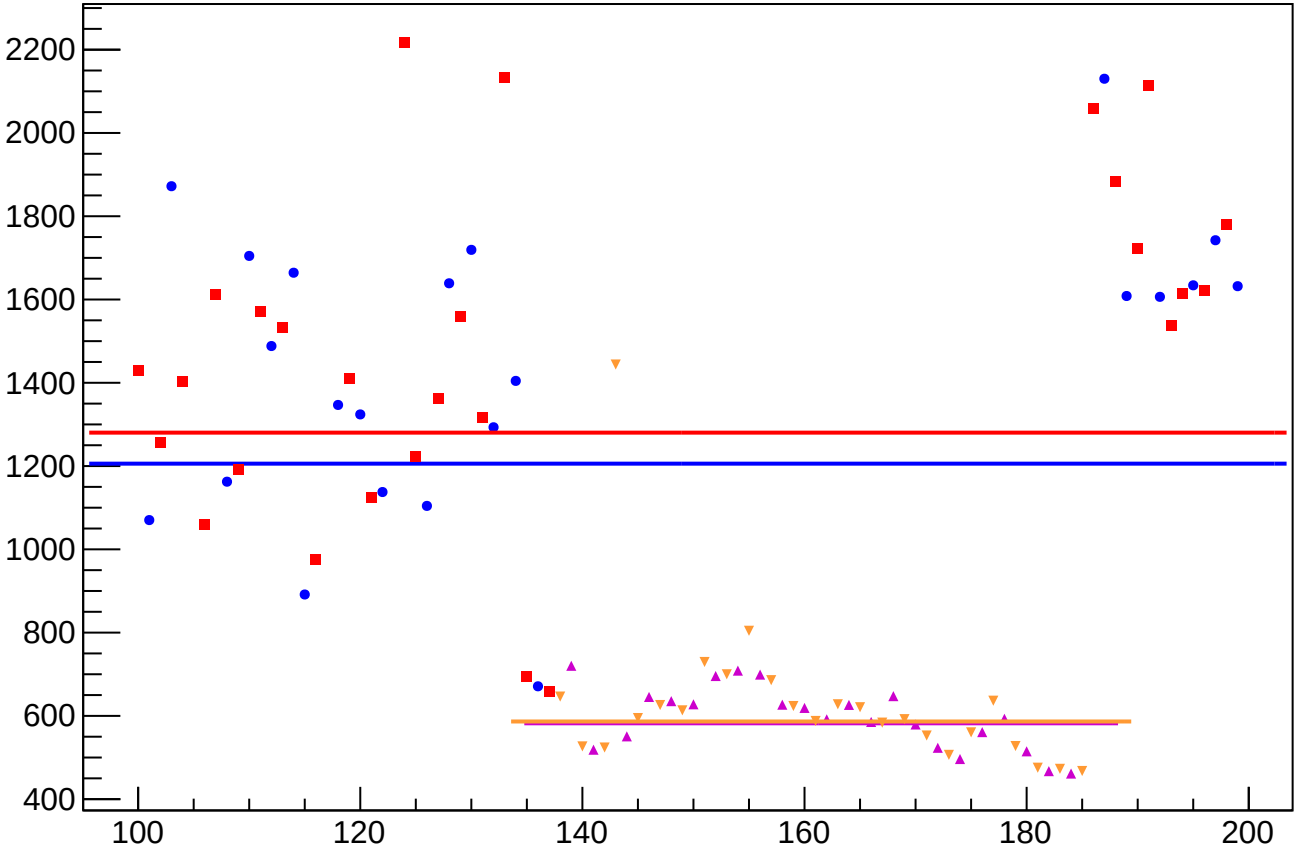
Right: 241.884+/-267.464 χ^2/NDF: 56.6/48

In: 12.453+/-128.942 χ^2/NDF:53.4/44

Out: 391.709+/-127.856 χ^2/NDF:98.5/51

All: 203.685+/-90.789 χ^2/NDF: 156.3/96

asym_atl_dd_atr_dd_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1205.783+/-0.266 χ^2/NDF: 2313335.4/21

Left Out: 586.562+/-0.096 χ^2/NDF:1202822.0/24

Right Out: 1280.283+/-0.269 χ^2/NDF: 2231928.4/26

Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

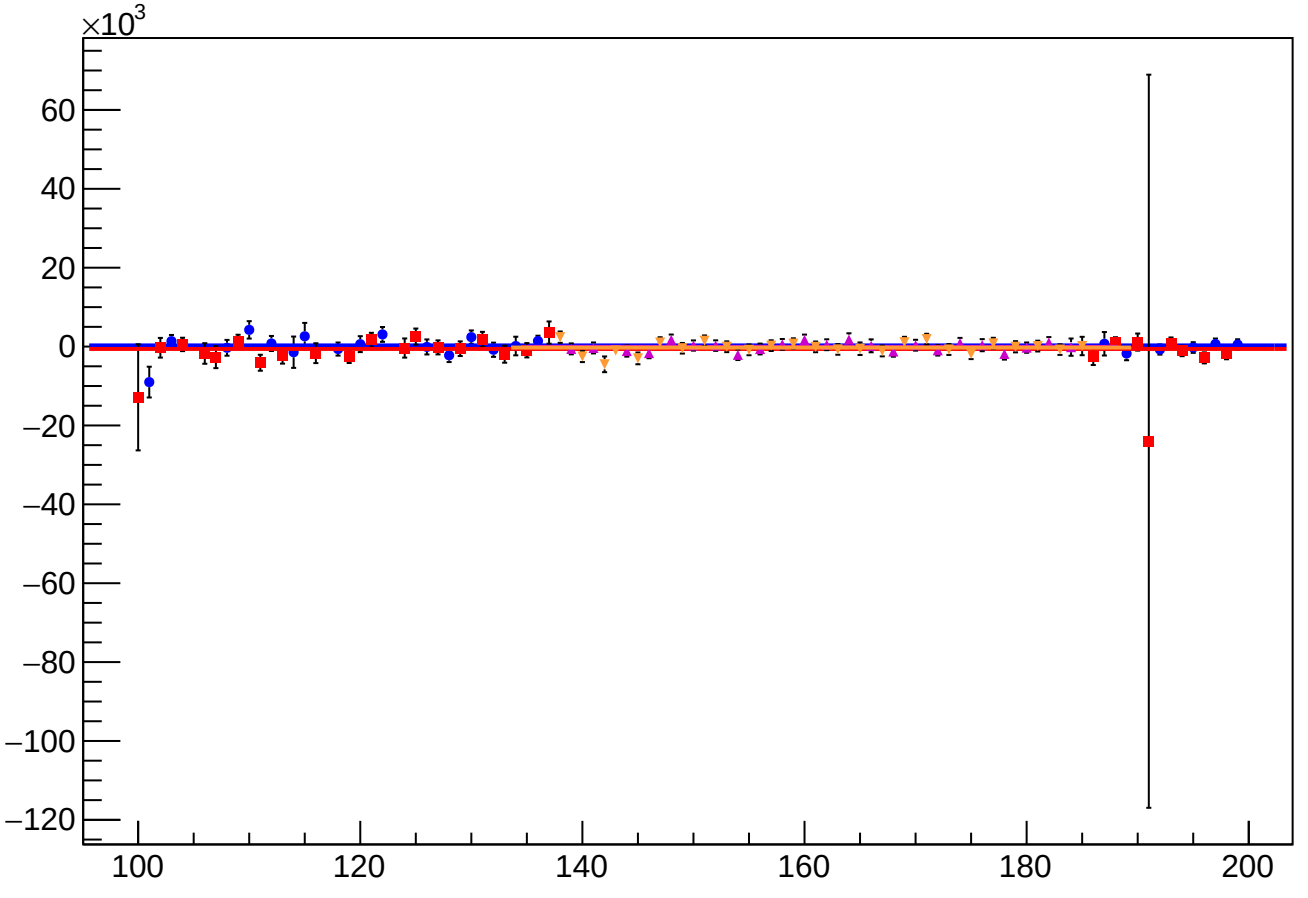
Left: 584.400+/-0.068 χ^2/NDF: 1763106.4/47

Right: 1242.585+/-0.189 χ^2/NDF: 4584051.3/48

In: 655.525+/-0.091 χ^2/NDF:7726925.7/44

Out: 664.870+/-0.090 χ^2/NDF:9330823.2/51

All: 660.237+/-0.064 χ^2/NDF: 17063045.8/96



Right In: 292.883+/-380.114 χ^2/NDF: 19.9/21

Left Out: -250.849+/-279.923 χ^2/NDF:24.0/24

Right Out: -598.470+/-366.000 χ^2/NDF: 24.4/26

Left In: -74.881+/-291.458 χ^2/NDF:14.0/22

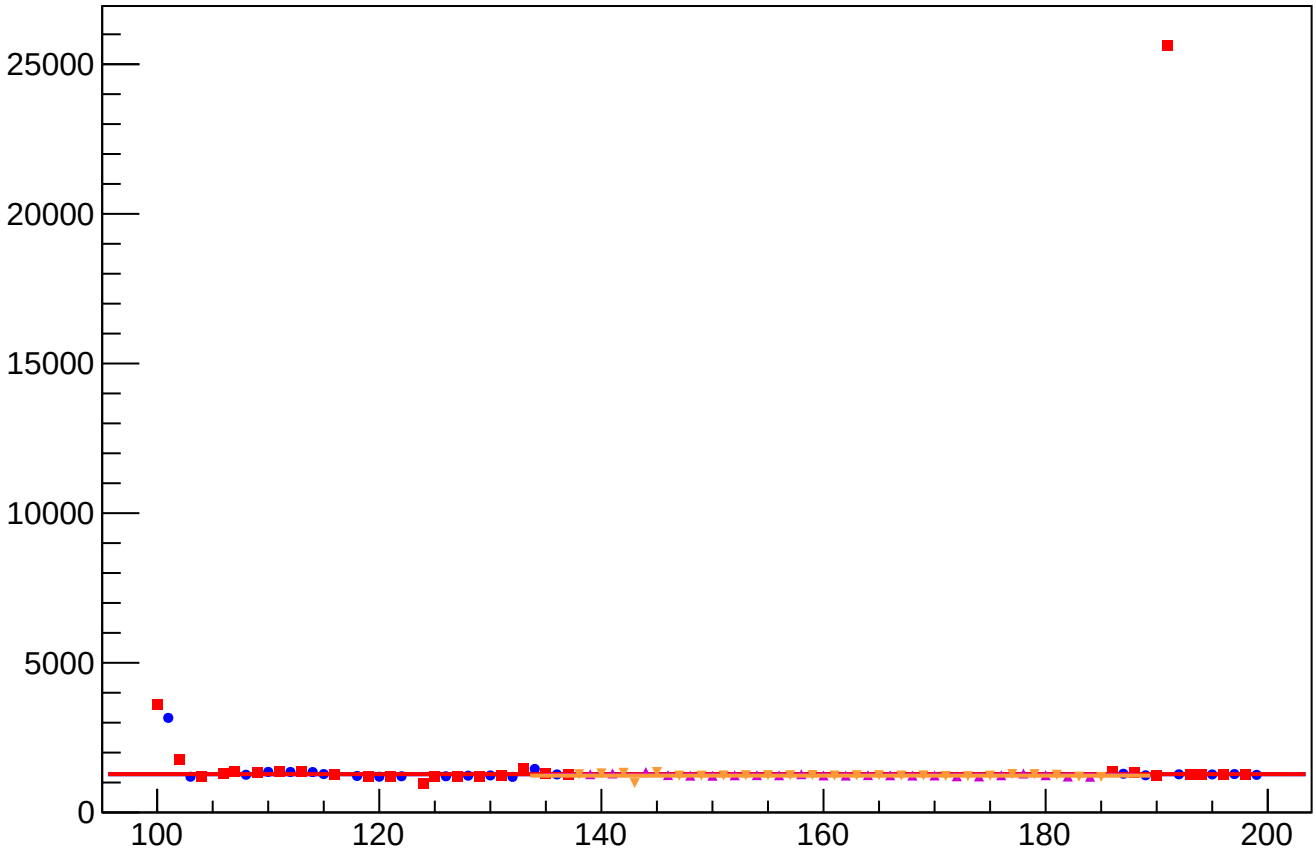
Left: -166.416+/-201.890 χ^2/NDF: 38.2/47

Right: -169.649+/-263.649 χ^2/NDF: 47.1/48

In: 61.283+/-231.292 χ^2/NDF:34.4/44

Out: -379.143+/-222.347 χ^2/NDF:49.0/51

All: -167.611+/-160.292 χ^2/NDF: 85.3/96



Right In: 1275.988+/-0.269 χ^2/NDF: 508749.0/21

Left Out: 1229.986+/-0.198 χ^2/NDF:141607.5/24

Right Out: 1280.724+/-0.259 χ^2/NDF: 368645.8/26

Left In: 1247.785+/-0.206 χ^2/NDF:27340.8/22

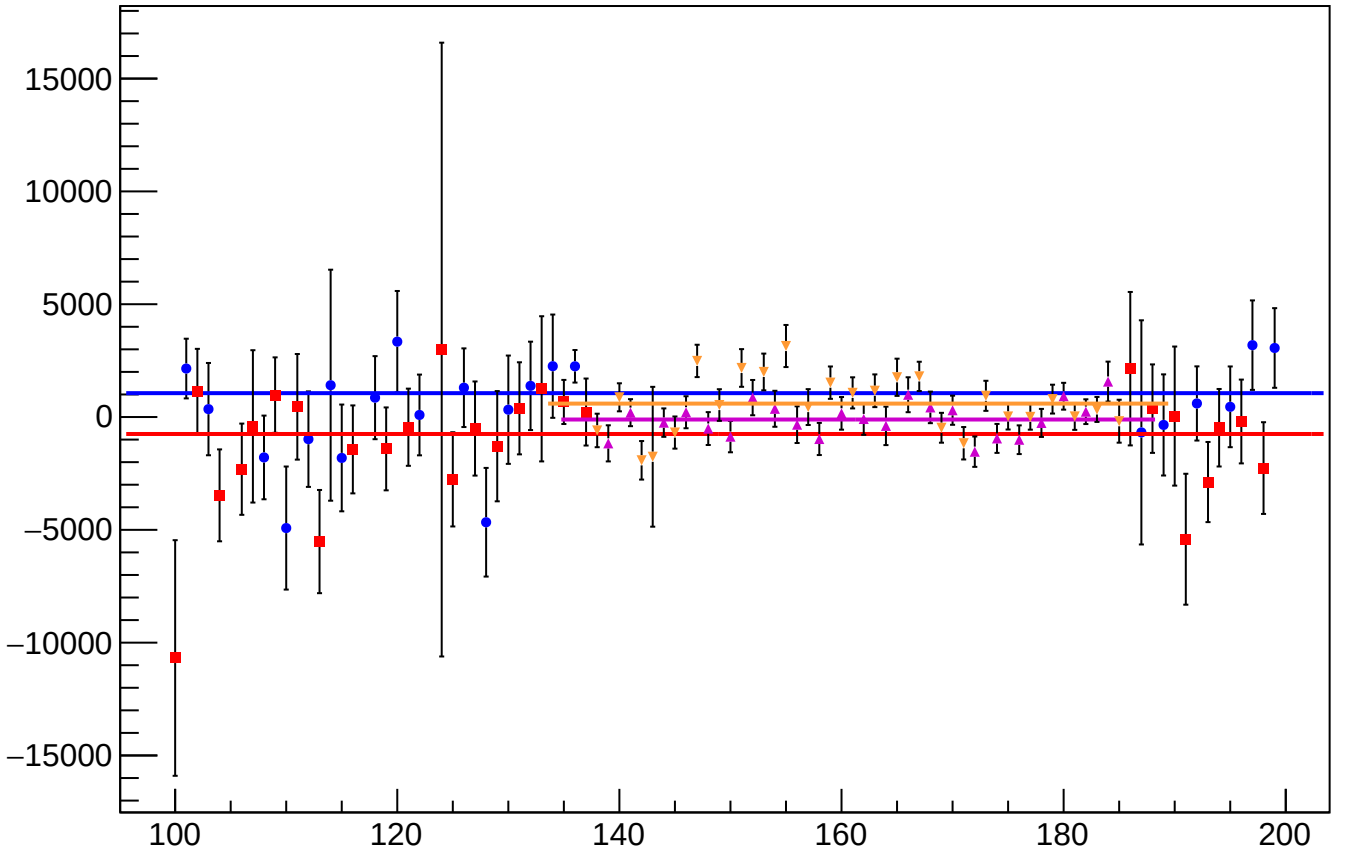
Left: 1238.526+/-0.143 χ^2/NDF: 172828.2/47

Right: 1278.445+/-0.186 χ^2/NDF: 877555.9/48

In: 1258.227+/-0.164 χ^2/NDF:543023.4/44

Out: 1248.712+/-0.157 χ^2/NDF:534503.4/51

All: 1253.282+/-0.113 χ^2/NDF: 1079286.1/96



Right In: 1058.125+/-377.211 χ^2/NDF: 23.6/21

Left Out: 595.000+/-142.130 χ^2/NDF:57.3/24

Right Out: -751.626+/-384.991 χ^2/NDF: 23.0/26

Left In: -110.252+/-144.232 χ^2/NDF:25.7/22

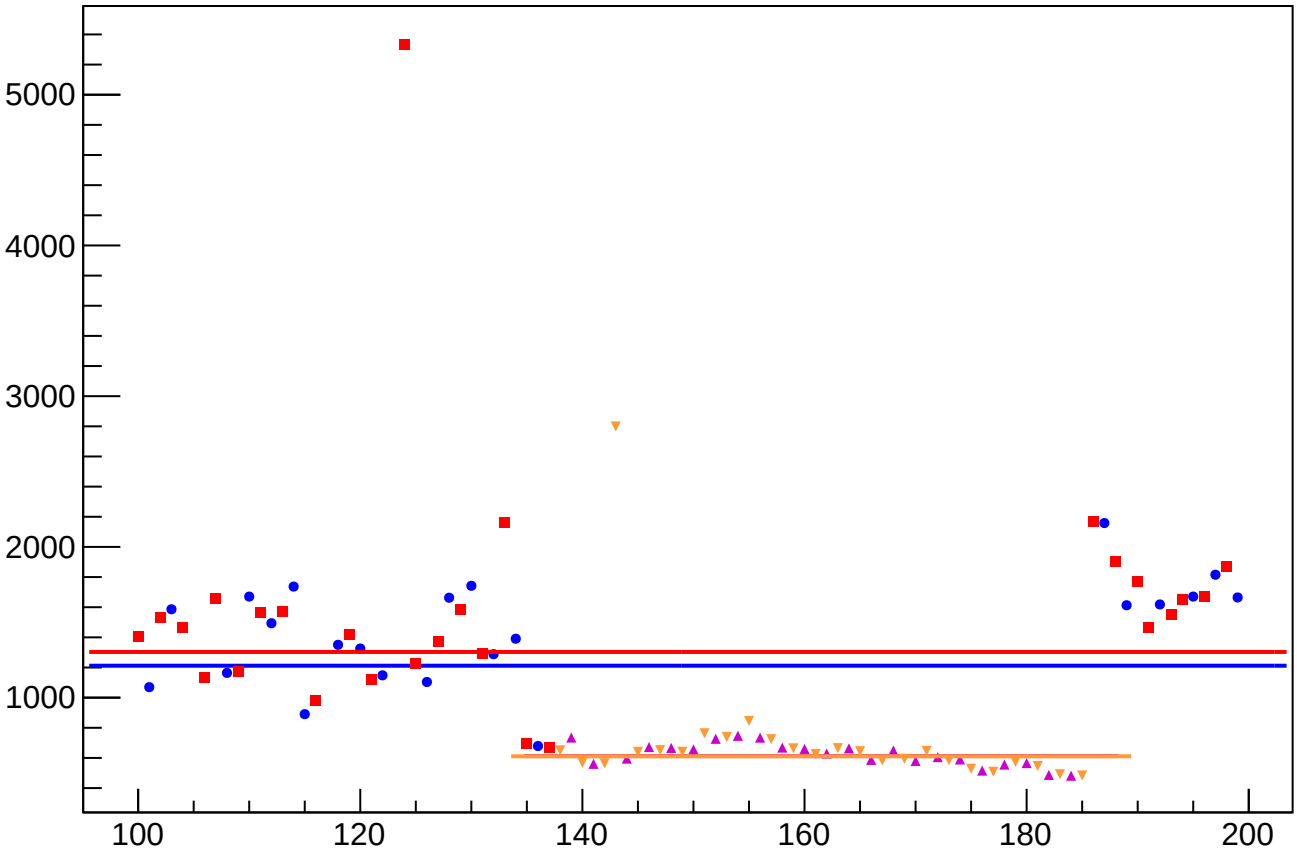
Left: 247.550+/-101.236 χ^2/NDF: 95.2/47

Right: 171.720+/-269.437 χ^2/NDF: 57.9/48

In: 38.780+/-134.720 χ^2/NDF:57.7/44

Out: 433.478+/-133.334 χ^2/NDF:91.1/51

All: 238.169+/-94.768 χ^2/NDF: 153.2/96



Right In: 1211.853+/-0.267 χ^2/NDF: 2250247.7/21

Left Out: 611.087+/-0.101 χ^2/NDF:1619322.3/24

Right Out: 1303.250+/-0.272 χ^2/NDF: 2433704.8/26

Left In: 612.399+/-0.102 χ^2/NDF:508595.4/22

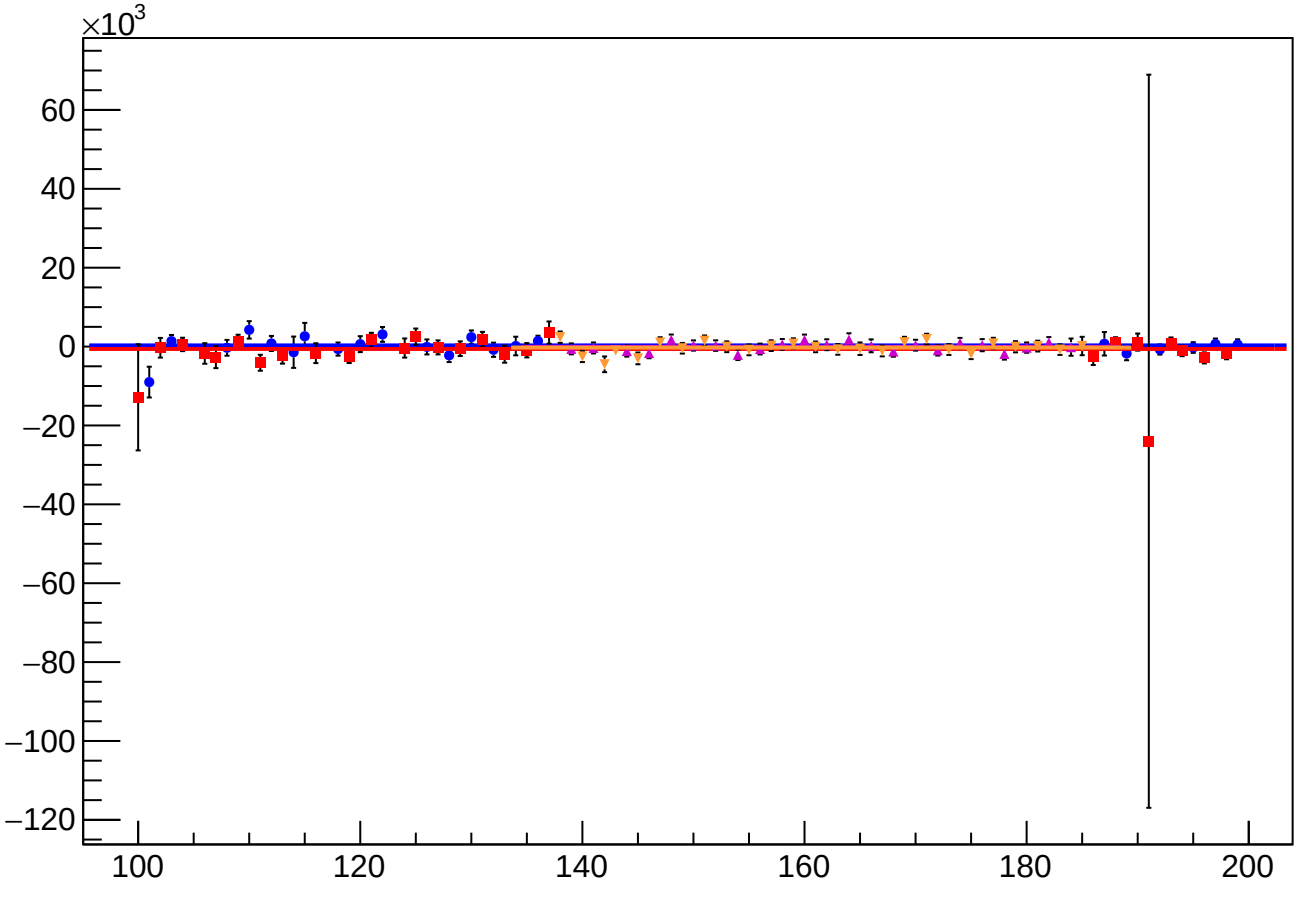
Left: 611.733+/-0.072 χ^2/NDF: 2128001.7/47

Right: 1256.619+/-0.191 χ^2/NDF: 4741461.4/48

In: 688.862+/-0.095 χ^2/NDF:7165523.5/44

Out: 694.108+/-0.094 χ^2/NDF:9742286.5/51

All: 691.512+/-0.067 χ^2/NDF: 16909342.3/96



Right In: 292.885+/-380.114 χ^2/NDF: 19.9/21

Left Out: -250.851+/-279.923 χ^2/NDF:24.0/24

Right Out: -598.470+/-366.000 χ^2/NDF: 24.4/26

Left In: -74.881+/-291.458 χ^2/NDF:14.0/22

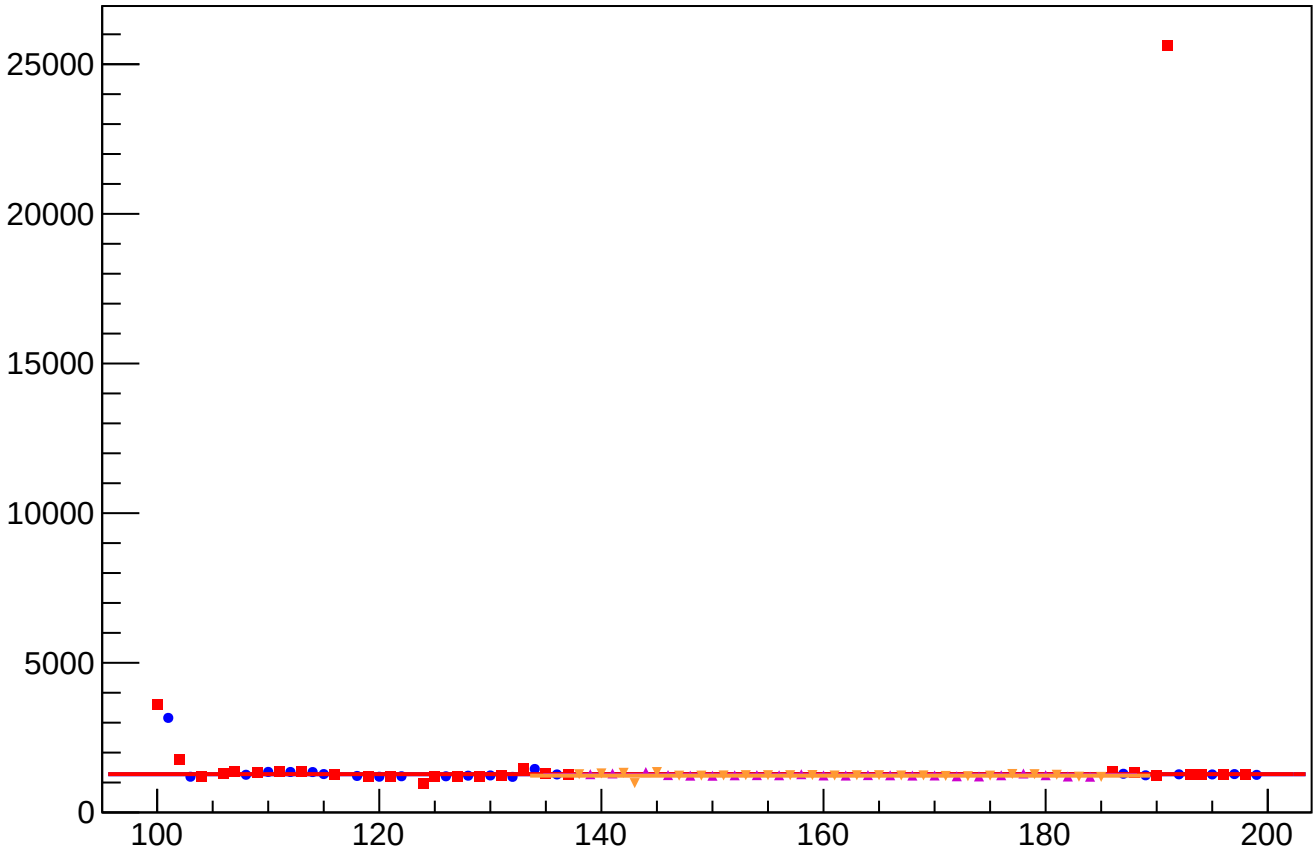
Left: -166.417+/-201.890 χ^2/NDF: 38.2/47

Right: -169.648+/-263.649 χ^2/NDF: 47.1/48

In: 61.284+/-231.292 χ^2/NDF:34.4/44

Out: -379.144+/-222.347 χ^2/NDF:49.0/51

All: -167.611+/-160.292 χ^2/NDF: 85.3/96



Right In: 1275.988+/-0.269 χ^2/NDF: 508749.1/21

Left Out: 1229.986+/-0.198 χ^2/NDF:141606.6/24

Right Out: 1280.723+/-0.259 χ^2/NDF: 368645.7/26

Left In: 1247.785+/-0.206 χ^2/NDF:27340.7/22

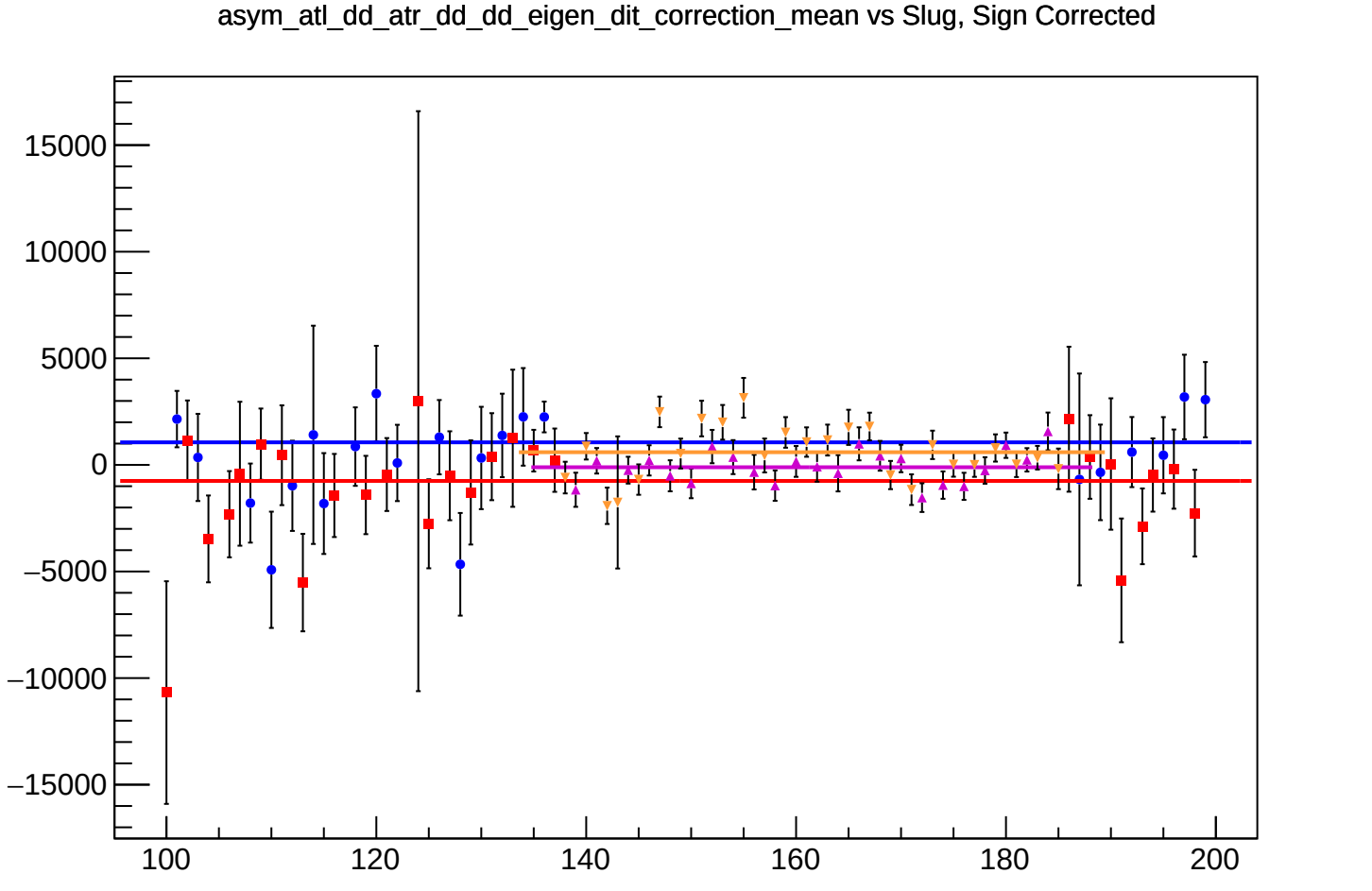
Left: 1238.526+/-0.143 χ^2/NDF: 172827.1/47

Right: 1278.445+/-0.186 χ^2/NDF: 877555.9/48

In: 1258.227+/-0.164 χ^2/NDF:543023.5/44

Out: 1248.711+/-0.157 χ^2/NDF:534502.3/51

All: 1253.282+/-0.113 χ^2/NDF: 1079285.1/96



Right In: 1058.122+/-377.212 χ^2/NDF: 23.6/21

Left Out: 595.000+/-142.130 χ^2/NDF:57.3/24

Right Out: -751.637+/-384.992 χ^2/NDF: 23.0/26

Left In: -110.251+/-144.232 χ^2/NDF:25.7/22

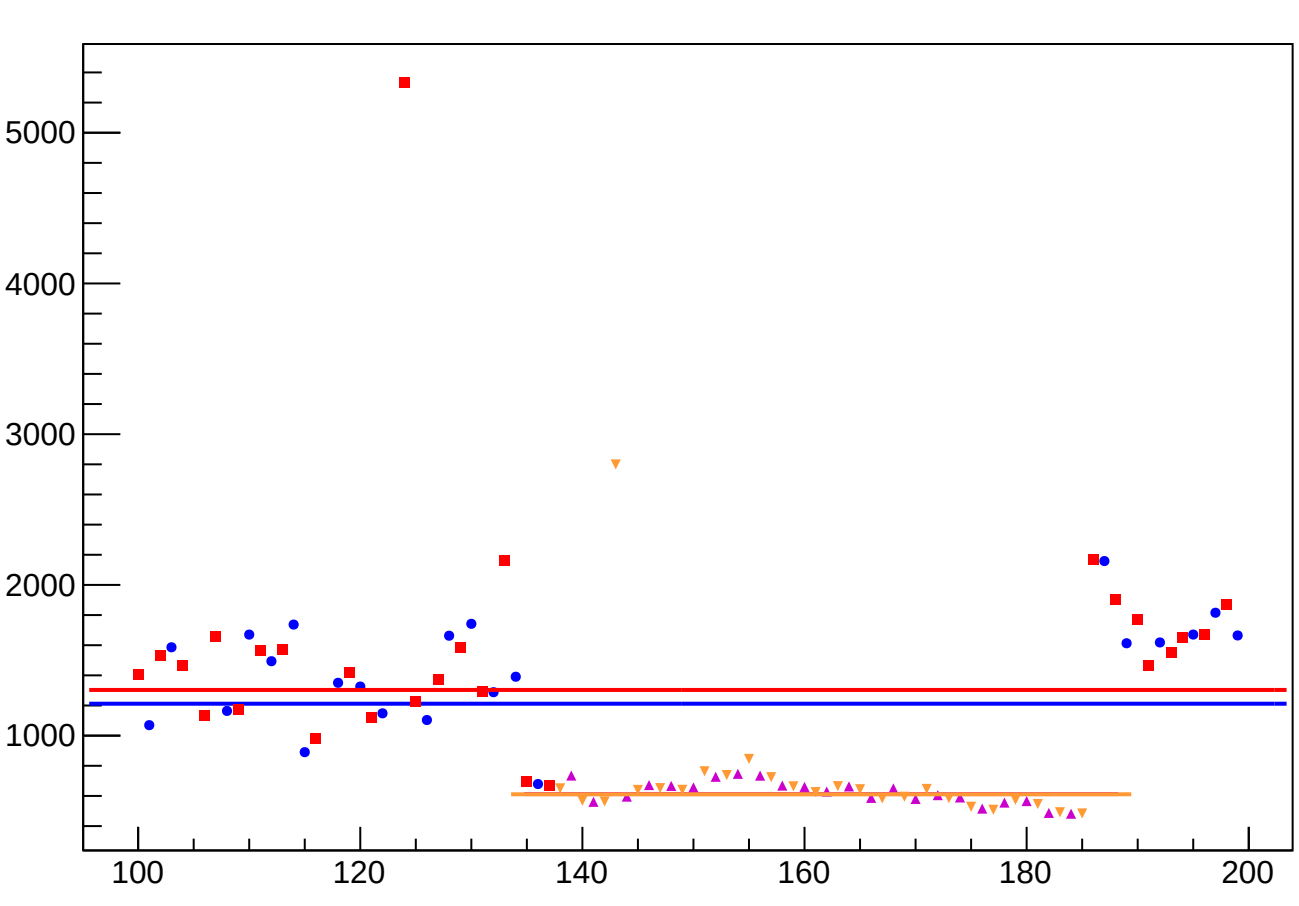
Left: 247.550+/-101.236 χ^2/NDF: 95.2/47

Right: 171.713+/-269.438 χ^2/NDF: 57.9/48

In: 38.779+/-134.720 χ^2/NDF:57.7/44

Out: 433.478+/-133.334 χ^2/NDF:91.1/51

All: 238.168+/-94.768 χ^2/NDF: 153.2/96



Right In: 1211.859+/-0.267 χ^2/NDF: 2250169.1/21

Left Out: 611.086+/-0.101 χ^2/NDF:1619319.5/24

Right Out: 1303.256+/-0.272 χ^2/NDF: 2433626.0/26

Left In: 612.398+/-0.102 χ^2/NDF:508597.7/22

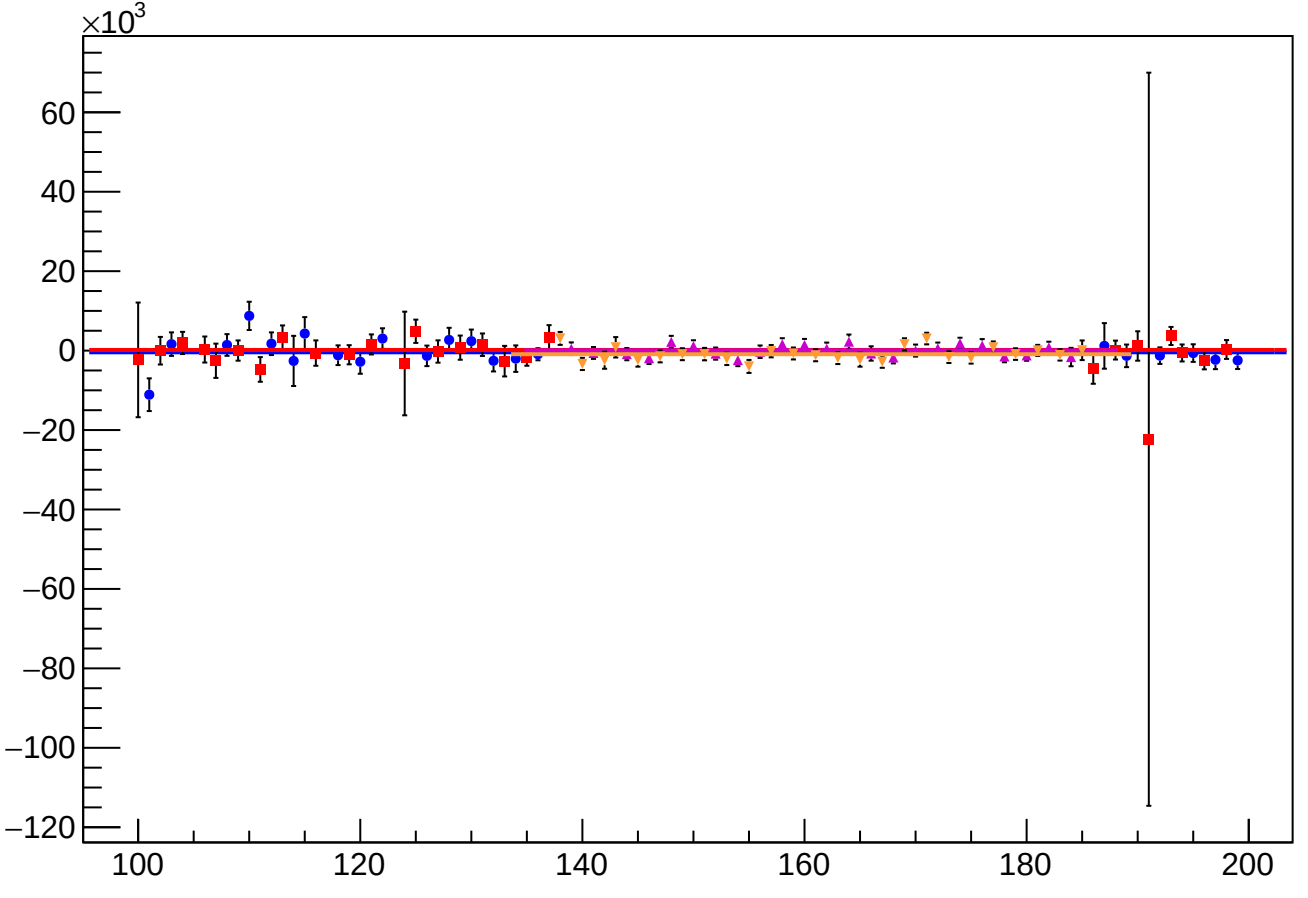
Left: 611.733+/-0.072 χ^2/NDF: 2128001.1/47

Right: 1256.624+/-0.191 χ^2/NDF: 4741304.0/48

In: 688.861+/-0.095 χ^2/NDF:7165521.1/44

Out: 694.108+/-0.094 χ^2/NDF:9742279.2/51

All: 691.512+/-0.067 χ^2/NDF: 16909332.8/96



Right In: -419.068+/-575.072 χ^2/NDF: 23.7/21

Left Out: -899.894+/-316.449 χ^2/NDF:29.8/24

Right Out: 164.802+/-564.435 χ^2/NDF: 15.7/26

Left In: 48.178+/-320.929 χ^2/NDF:17.9/22

Left: -432.522+/-225.330 χ^2/NDF: 52.1/47

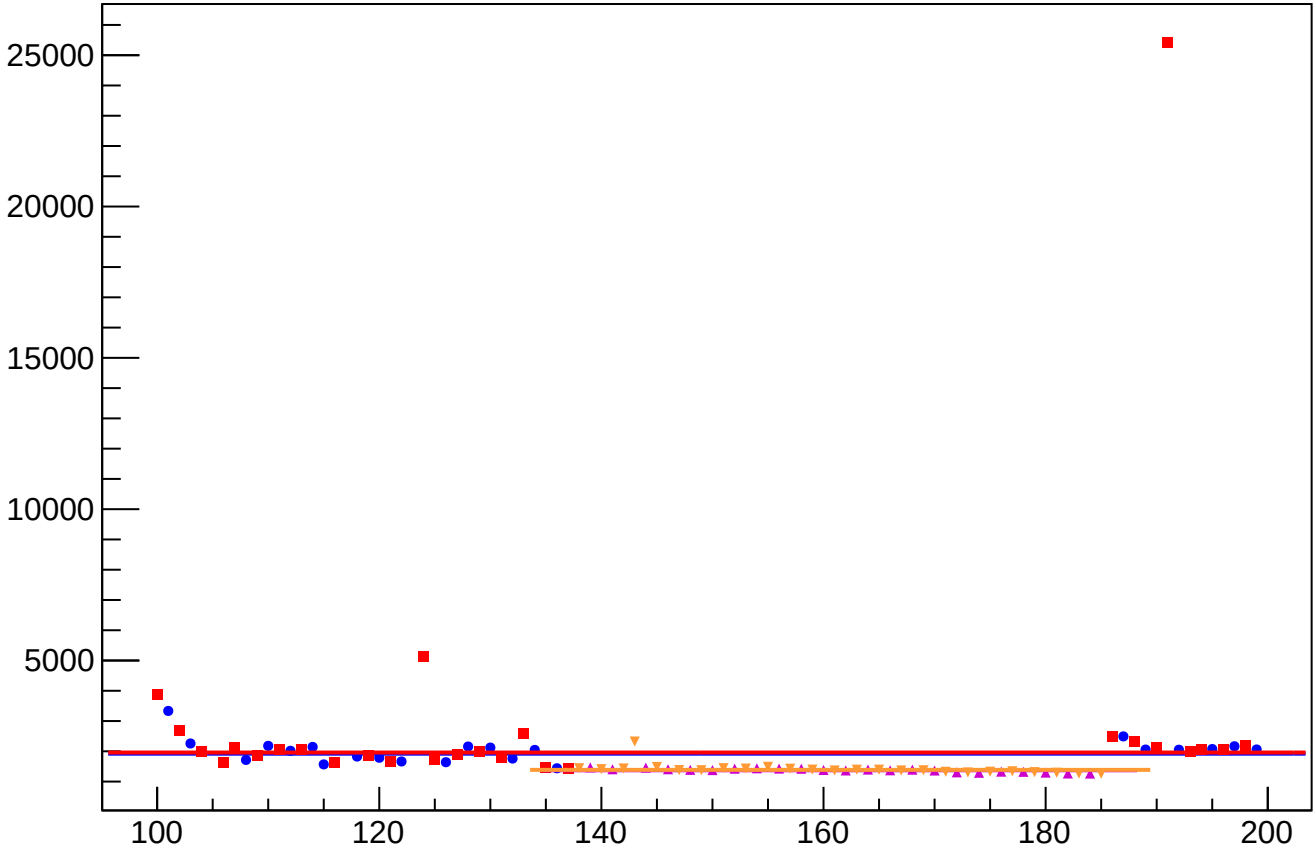
Right: -121.683+/-402.824 χ^2/NDF: 40.0/48

In: -62.783+/-280.243 χ^2/NDF:42.1/44

Out: -645.269+/-276.027 χ^2/NDF:48.3/51

All: -358.440+/-196.654 χ^2/NDF: 92.5/96

asym_atl_dd_atr_dd_dd_rms vs Slug, Sign Corrected



Right In: 1921.514+/-0.407 χ^2/NDF: 656023.6/21

Left Out: 1386.845+/-0.224 χ^2/NDF:339794.5/24

Right Out: 1959.803+/-0.399 χ^2/NDF: 809243.5/26

Left In: 1373.217+/-0.227 χ^2/NDF:64467.6/22

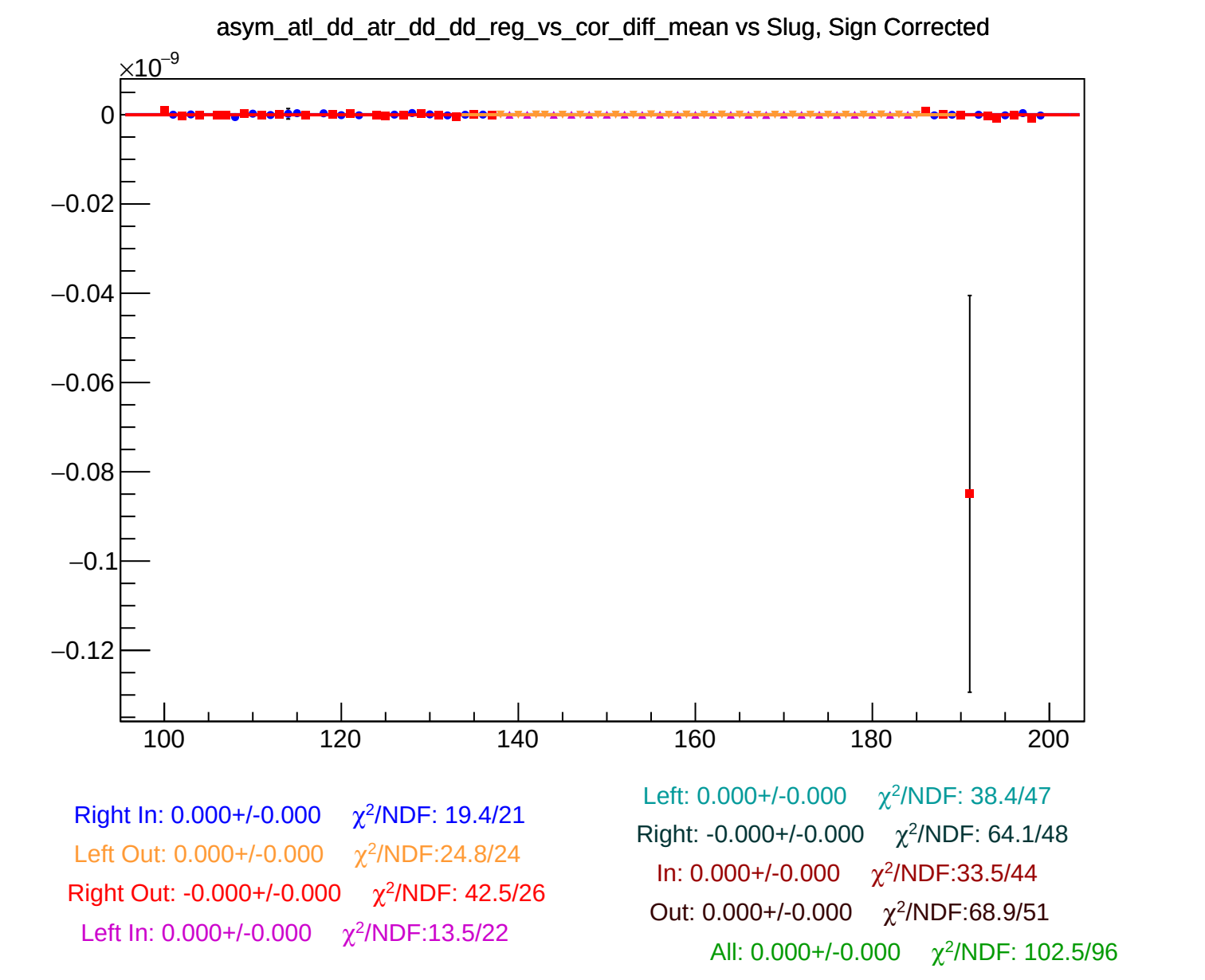
Left: 1380.126+/-0.159 χ^2/NDF: 406090.7/47

Right: 1941.016+/-0.285 χ^2/NDF: 1469782.9/48

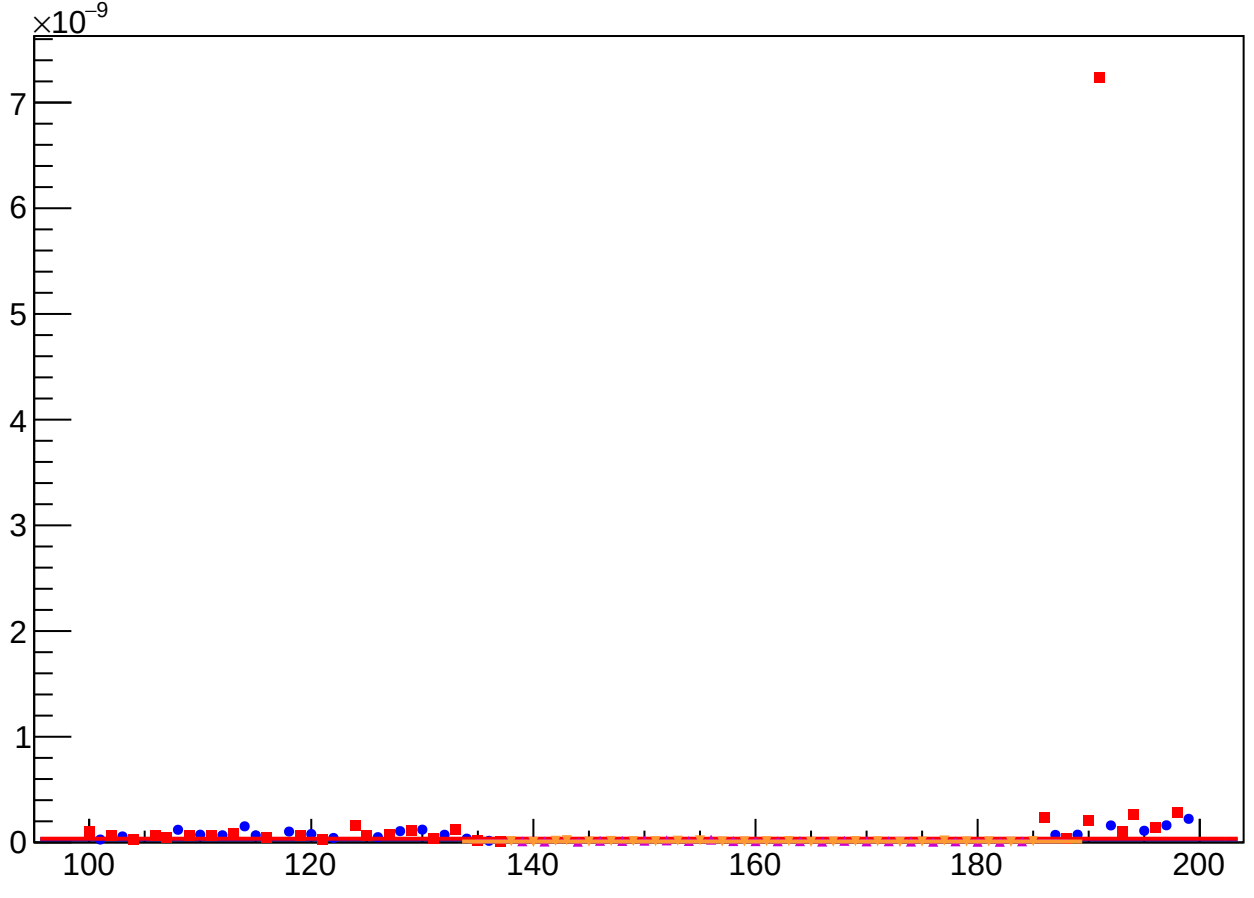
In: 1503.426+/-0.198 χ^2/NDF:2106834.1/44

Out: 1523.871+/-0.195 χ^2/NDF:2717052.9/51

All: 1513.803+/-0.139 χ^2/NDF: 4829290.2/96


asym_atl_dd_atr_dd_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10⁻⁹
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 19.4/21
Left Out: 0.000+/-0.000 χ²/NDF:24.8/24
Right Out: -0.000+/-0.000 χ²/NDF: 42.5/26
Left In: 0.000+/-0.000 χ²/NDF:13.5/22
Left: 0.000+/-0.000 χ²/NDF: 38.4/47
Right: -0.000+/-0.000 χ²/NDF: 64.1/48
In: 0.000+/-0.000 χ²/NDF:33.5/44
Out: 0.000+/-0.000 χ²/NDF:68.9/51
All: 0.000+/-0.000 χ²/NDF: 102.5/96

asym_atl_dd_atr_dd_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 4766904.4/21

Left Out: 0.000+/-0.000 χ^2/NDF:2148494.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4936678.5/26

Left In: 0.000+/-0.000 χ^2/NDF:1232395.4/22

Left: 0.000+/-0.000 χ^2/NDF: 3597627.7/47

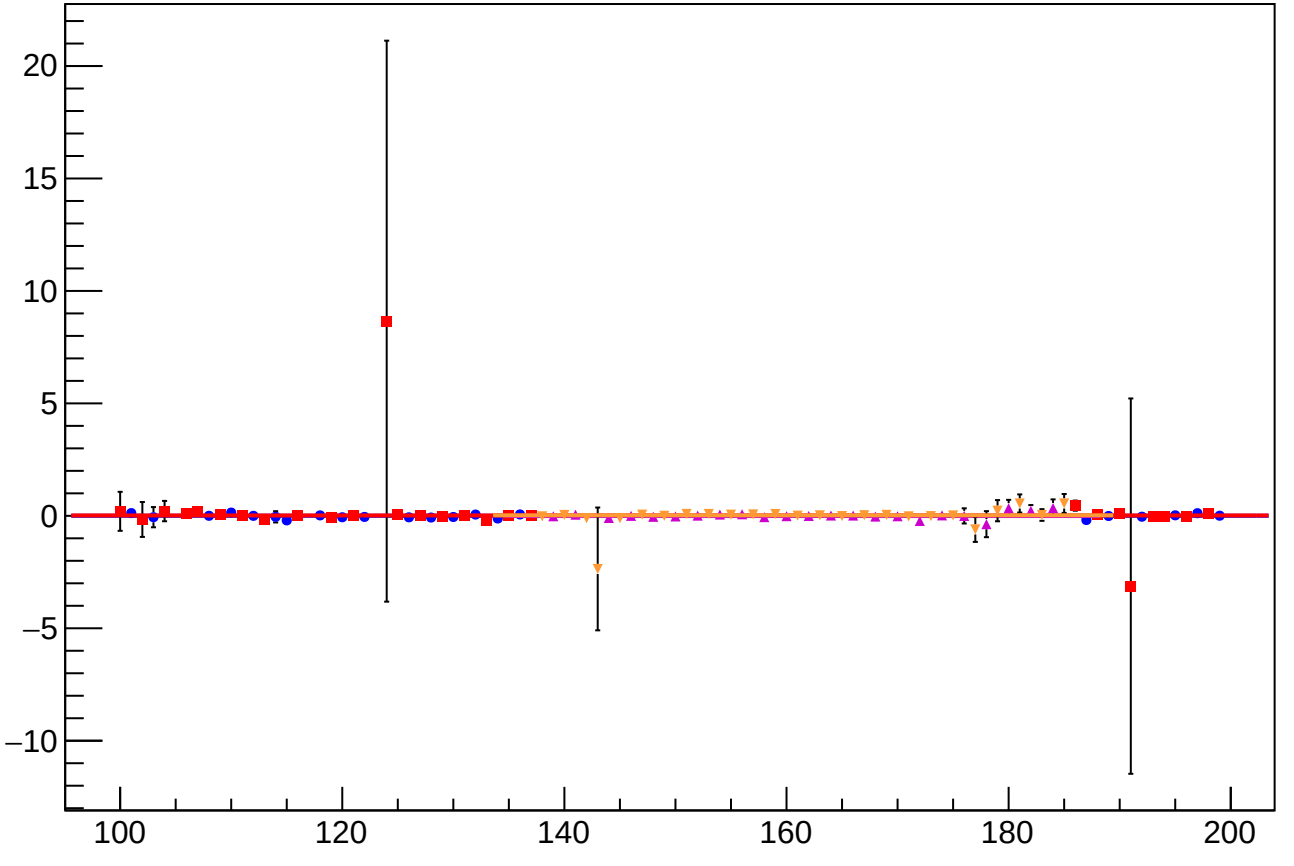
Right: 0.000+/-0.000 χ^2/NDF: 9776529.2/48

In: 0.000+/-0.000 χ^2/NDF:8130330.0/44

Out: 0.000+/-0.000 χ^2/NDF:10257840.4/51

All: 0.000+/-0.000 χ^2/NDF: 18662217.8/96

asym_atl_dd_atr_dd_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.002+/-0.013 χ^2/NDF: 24.6/21

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: 0.017+/-0.013 χ^2/NDF: 21.4/26

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

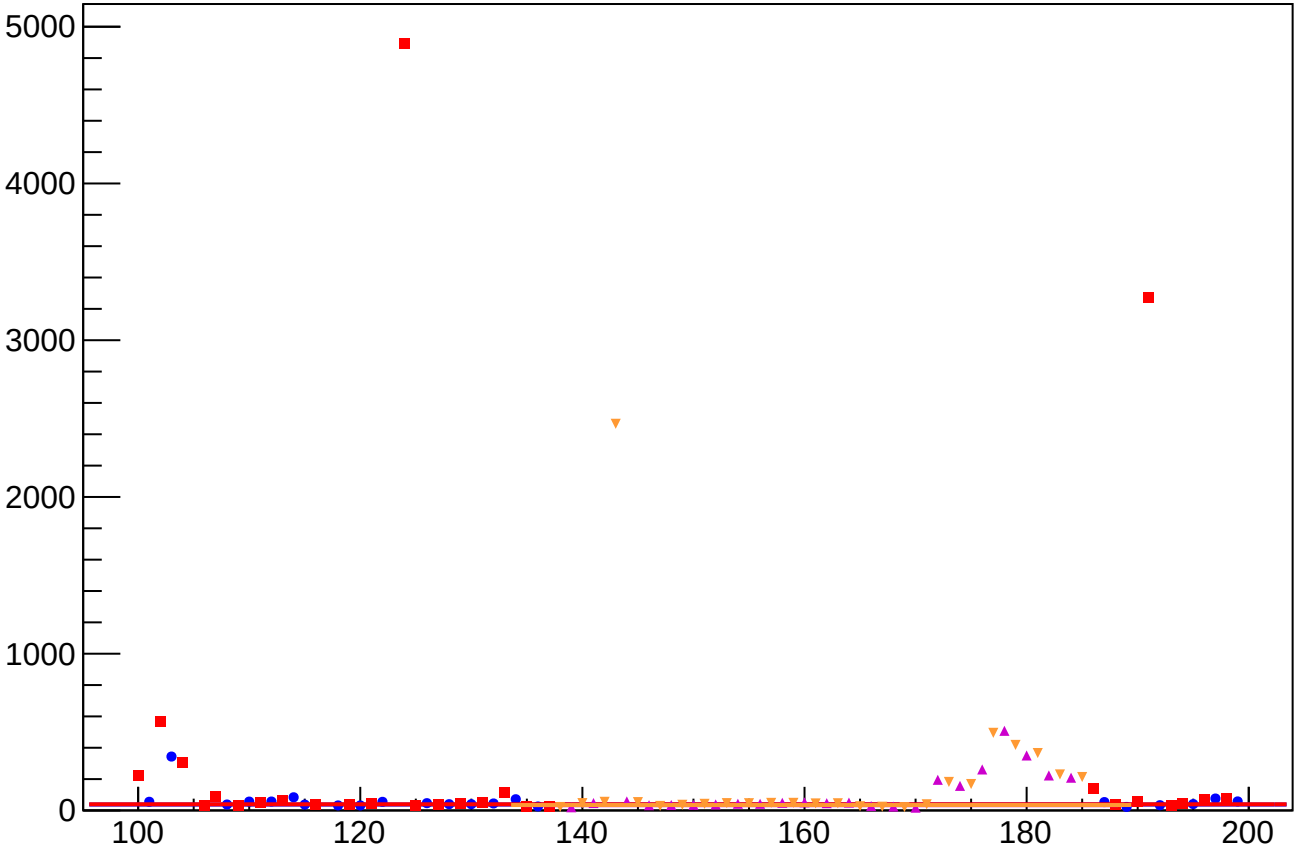
Right: 0.009+/-0.009 χ^2/NDF: 46.6/48

In: -0.005+/-0.008 χ^2/NDF:40.0/44

Out: 0.021+/-0.008 χ^2/NDF:44.4/51

All: 0.007+/-0.006 χ^2/NDF: 89.7/96

asym_atl_dd_atr_dd_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.593+/-0.009 χ^2/NDF: 2881753.2/21

Left Out: 34.624+/-0.007 χ^2/NDF:11402451.4/24

Right Out: 39.452+/-0.009 χ^2/NDF: 4693021.8/26

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

Left: 34.094+/-0.005 χ^2/NDF: 21480396.5/47

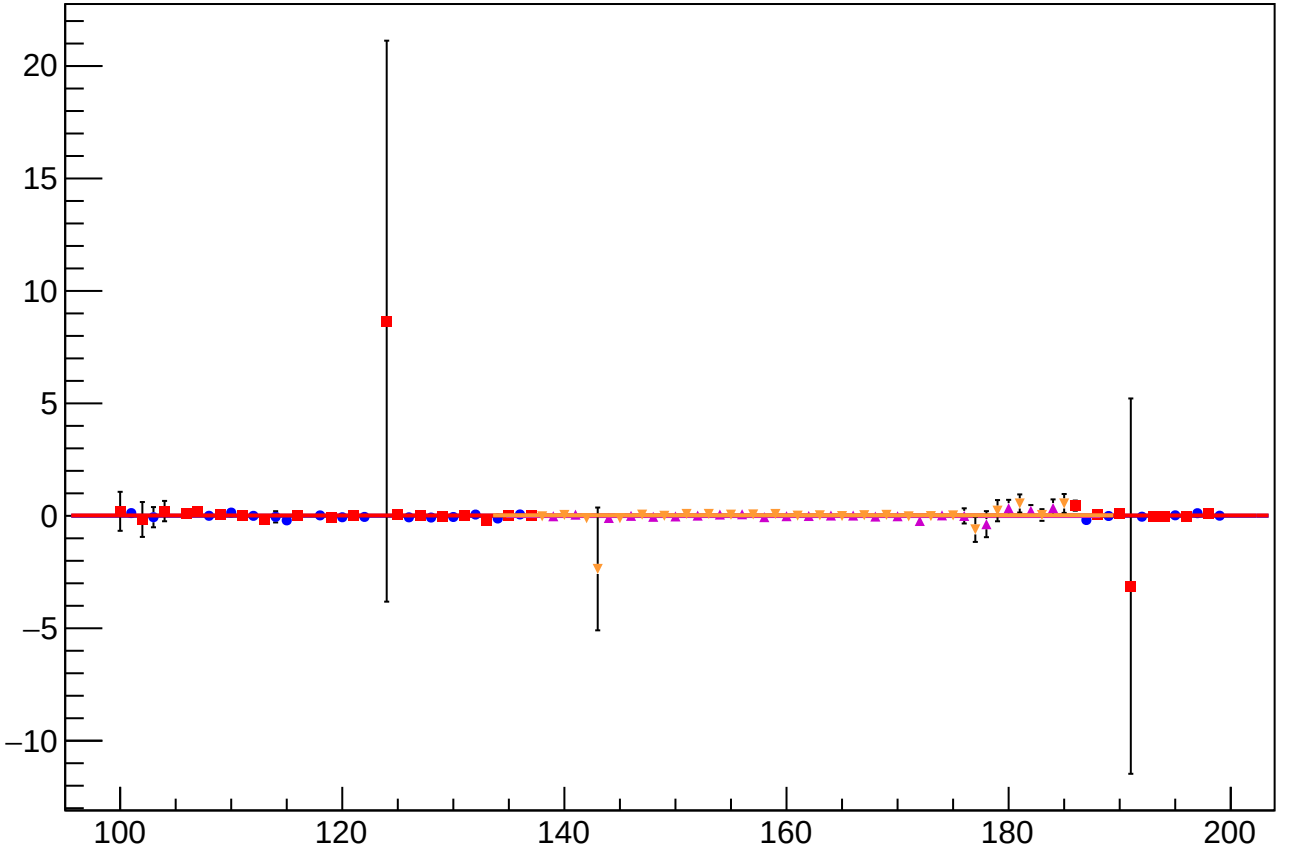
Right: 38.487+/-0.007 χ^2/NDF: 7594785.4/48

In: 35.083+/-0.006 χ^2/NDF:13069925.9/44

Out: 36.398+/-0.006 χ^2/NDF:16260000.5/51

All: 35.720+/-0.004 χ^2/NDF: 29356975.1/96

asym_atl_dd_atr_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.002+/-0.013 χ^2/NDF: 24.6/21

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: 0.017+/-0.013 χ^2/NDF: 21.4/26

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

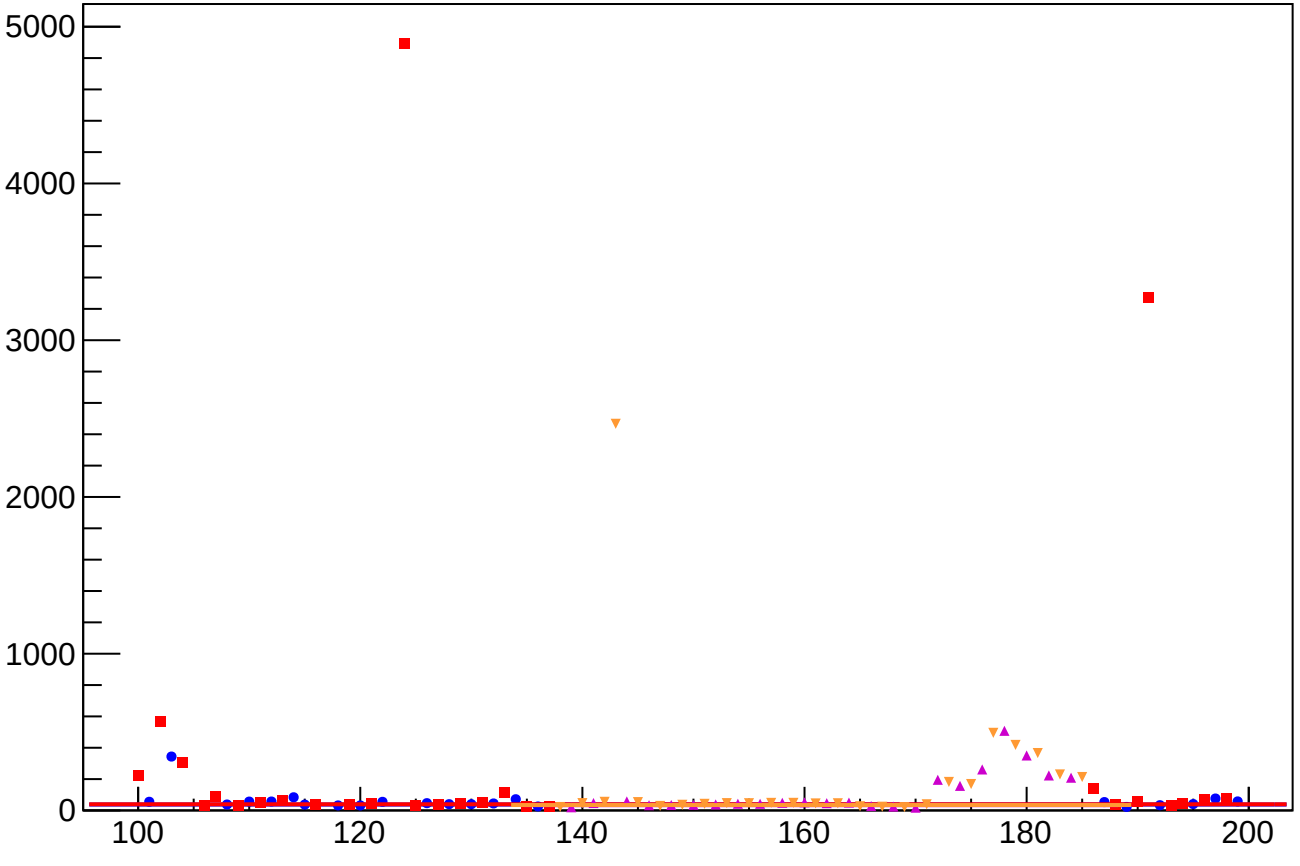
Right: 0.009+/-0.009 χ^2/NDF: 46.6/48

In: -0.005+/-0.008 χ^2/NDF:40.0/44

Out: 0.021+/-0.008 χ^2/NDF:44.4/51

All: 0.007+/-0.006 χ^2/NDF: 89.7/96

asym_atl_dd_atr_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.593+/-0.009 χ^2/NDF: 2881753.2/21

Left Out: 34.624+/-0.007 χ^2/NDF:11402451.4/24

Right Out: 39.452+/-0.009 χ^2/NDF: 4693021.8/26

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

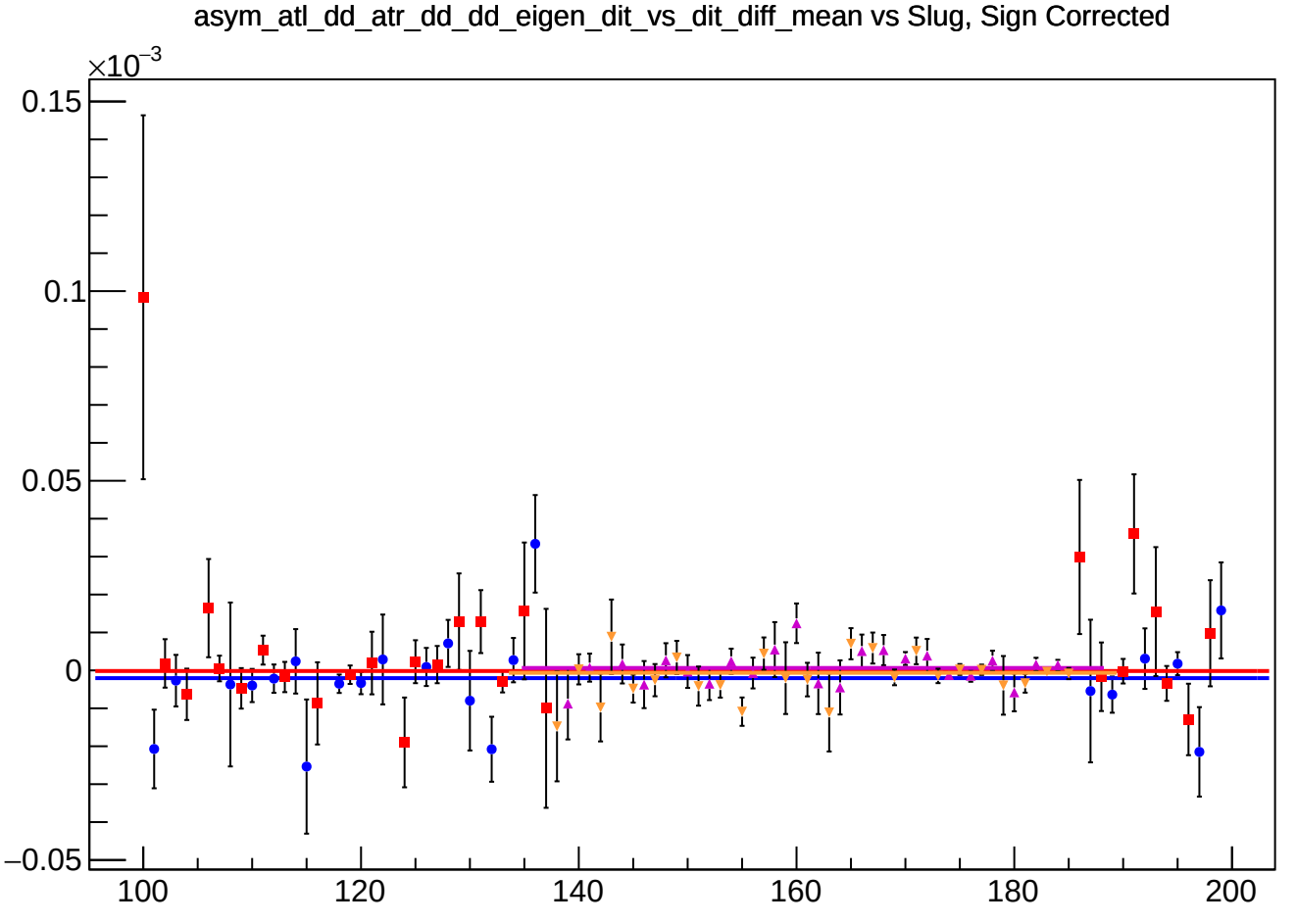
Left: 34.094+/-0.005 χ^2/NDF: 21480396.5/47

Right: 38.487+/-0.007 χ^2/NDF: 7594785.4/48

In: 35.083+/-0.006 χ^2/NDF:13069925.9/44

Out: 36.398+/-0.006 χ^2/NDF:16260000.5/51

All: 35.720+/-0.004 χ^2/NDF: 29356975.1/96



Right In: -0.000+/-0.000 χ^2/NDF: 29.5/21

Left Out: -0.000+/-0.000 χ^2/NDF:28.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 30.1/26

Left In: 0.000+/-0.000 χ^2/NDF:21.9/22

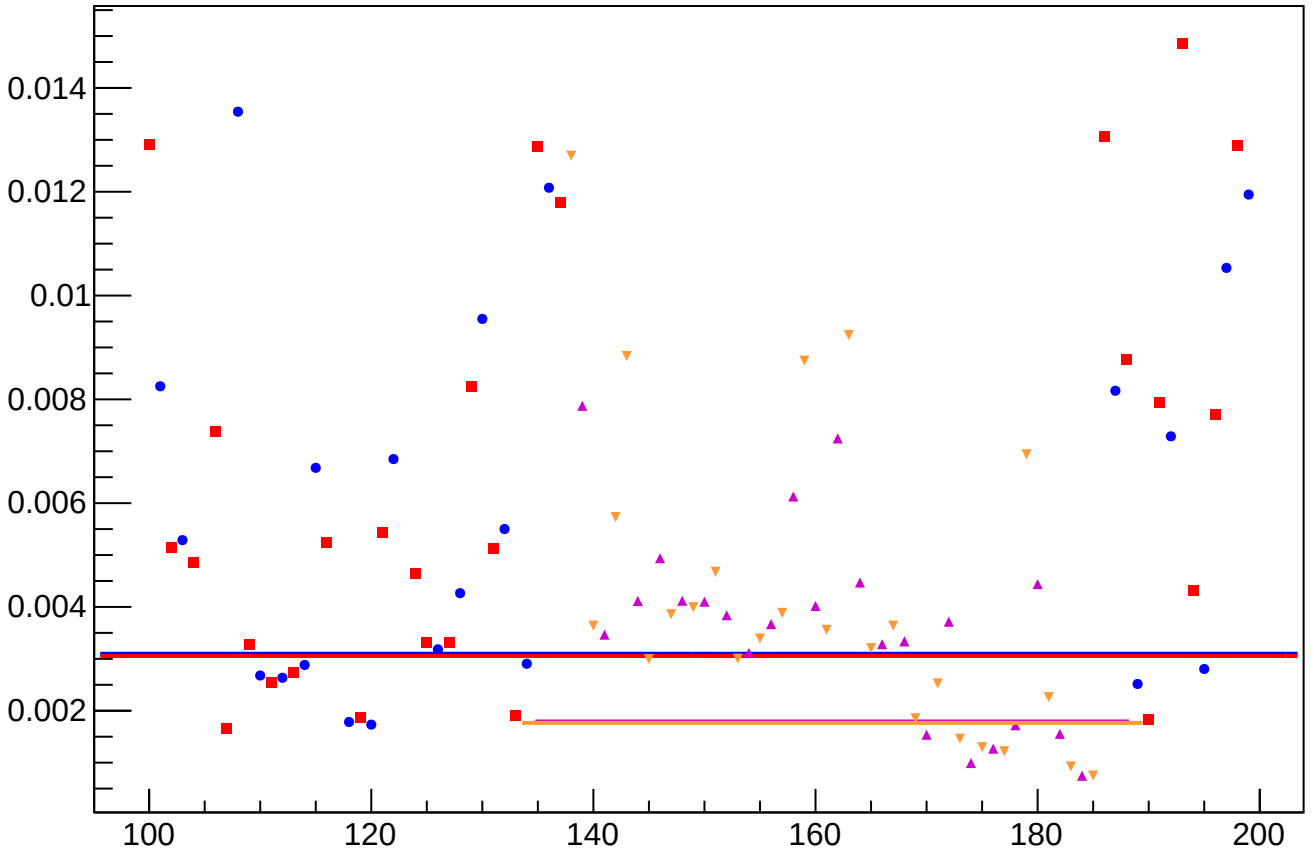
Left: -0.000+/-0.000 χ^2/NDF: 53.2/47

Right: -0.000+/-0.000 χ^2/NDF: 61.1/48

In: 0.000+/-0.000 χ^2/NDF:56.0/44

Out: -0.000+/-0.000 χ^2/NDF:58.6/51

All: -0.000+/-0.000 χ^2/NDF: 115.6/96



Right In: 0.003+/-0.000 χ^2/NDF: 6726540.3/21

Left Out: 0.002+/-0.000 χ^2/NDF:12926339.2/24

Right Out: 0.003+/-0.000 χ^2/NDF: 7780464.4/26

Left In: 0.002+/-0.000 χ^2/NDF:10766932.4/22

Left: 0.002+/-0.000 χ^2/NDF: 23695843.2/47

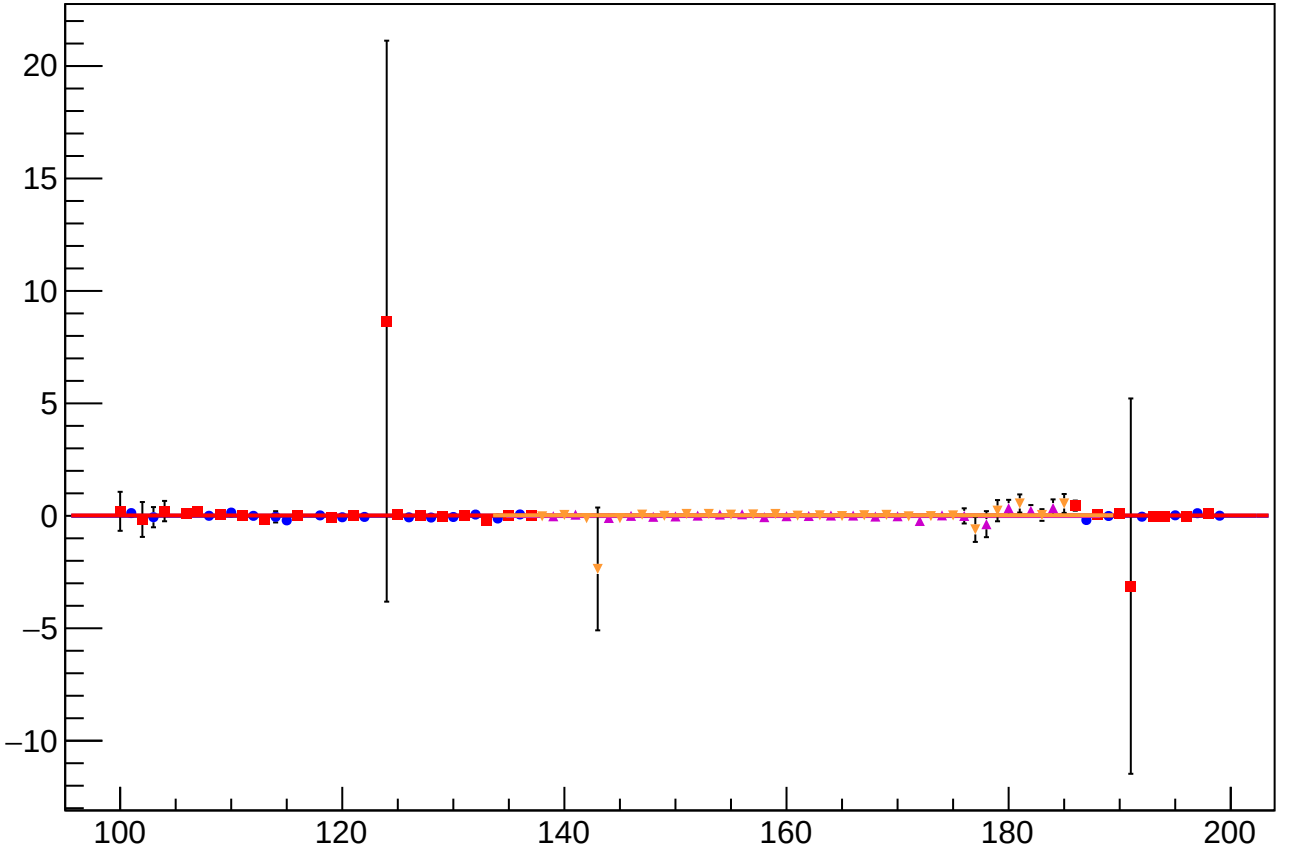
Right: 0.003+/-0.000 χ^2/NDF: 14508524.5/48

In: 0.002+/-0.000 χ^2/NDF:19630316.4/44

Out: 0.002+/-0.000 χ^2/NDF:23142575.8/51

All: 0.002+/-0.000 χ^2/NDF: 42775001.3/96

asym_atl_dd_atr_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.002+/-0.013 χ^2/NDF: 24.6/21

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: 0.017+/-0.013 χ^2/NDF: 21.4/26

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

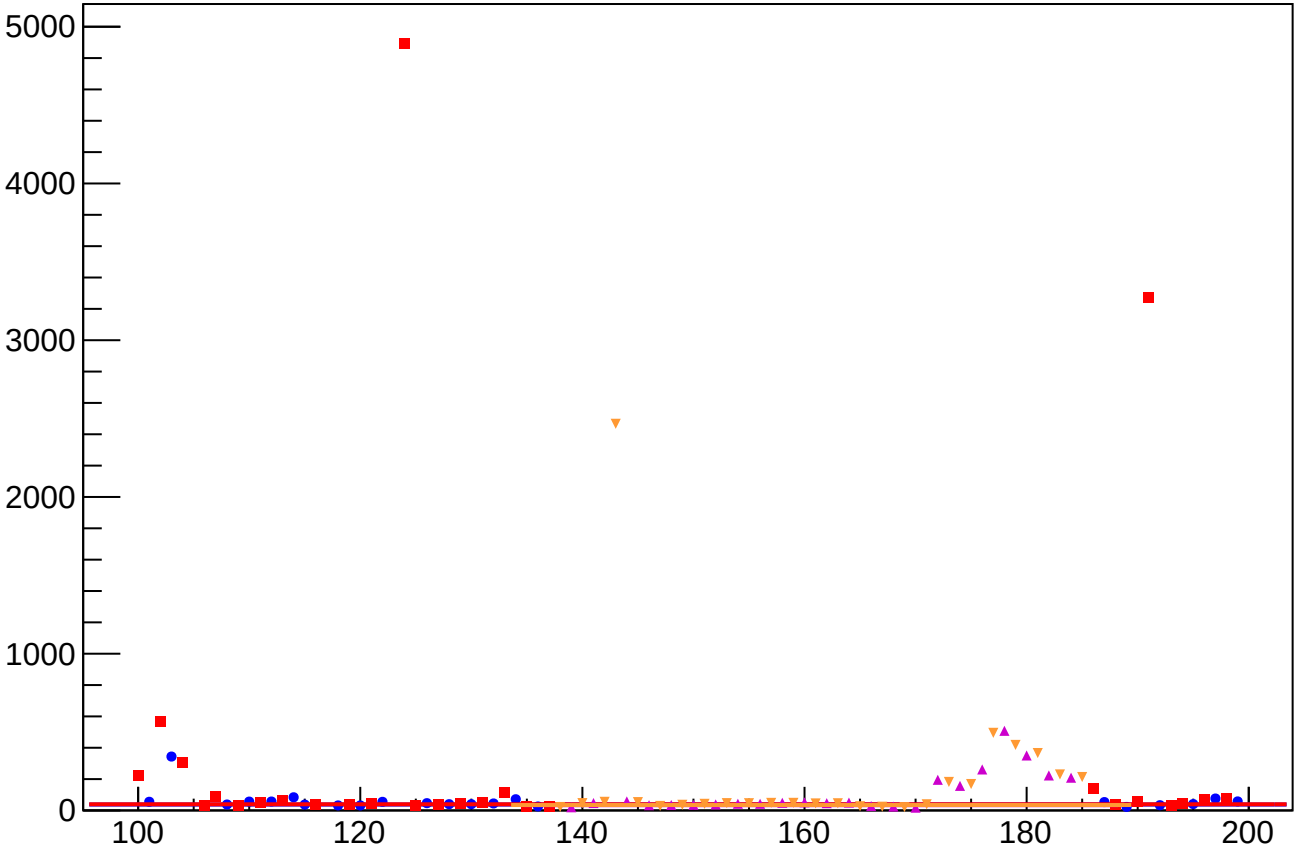
Right: 0.009+/-0.009 χ^2/NDF: 46.6/48

In: -0.005+/-0.008 χ^2/NDF:40.0/44

Out: 0.021+/-0.008 χ^2/NDF:44.4/51

All: 0.007+/-0.006 χ^2/NDF: 89.7/96

asym_atl_dd_atr_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.595+/-0.009 χ^2/NDF: 2880971.2/21

Left Out: 34.623+/-0.007 χ^2/NDF:11402566.2/24

Right Out: 39.453+/-0.009 χ^2/NDF: 4692771.9/26

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

Left: 34.095+/-0.005 χ^2/NDF: 21479175.2/47

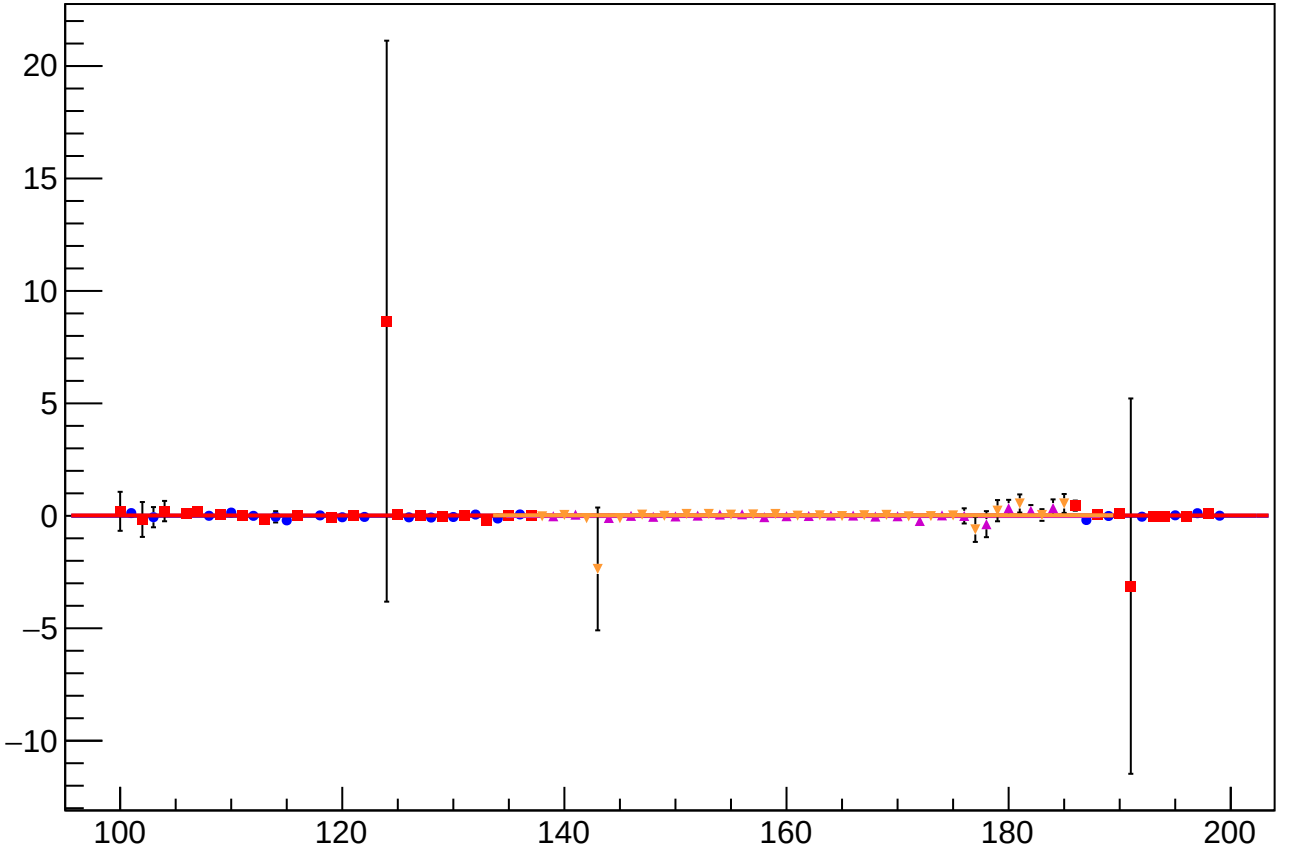
Right: 38.489+/-0.007 χ^2/NDF: 7593721.4/48

In: 35.085+/-0.006 χ^2/NDF:13067857.2/44

Out: 36.397+/-0.006 χ^2/NDF:16259977.9/51

All: 35.721+/-0.004 χ^2/NDF: 29354774.1/96

asym_atl_dd_atr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.002+/-0.013 χ^2/NDF: 24.6/21

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: 0.017+/-0.013 χ^2/NDF: 21.4/26

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

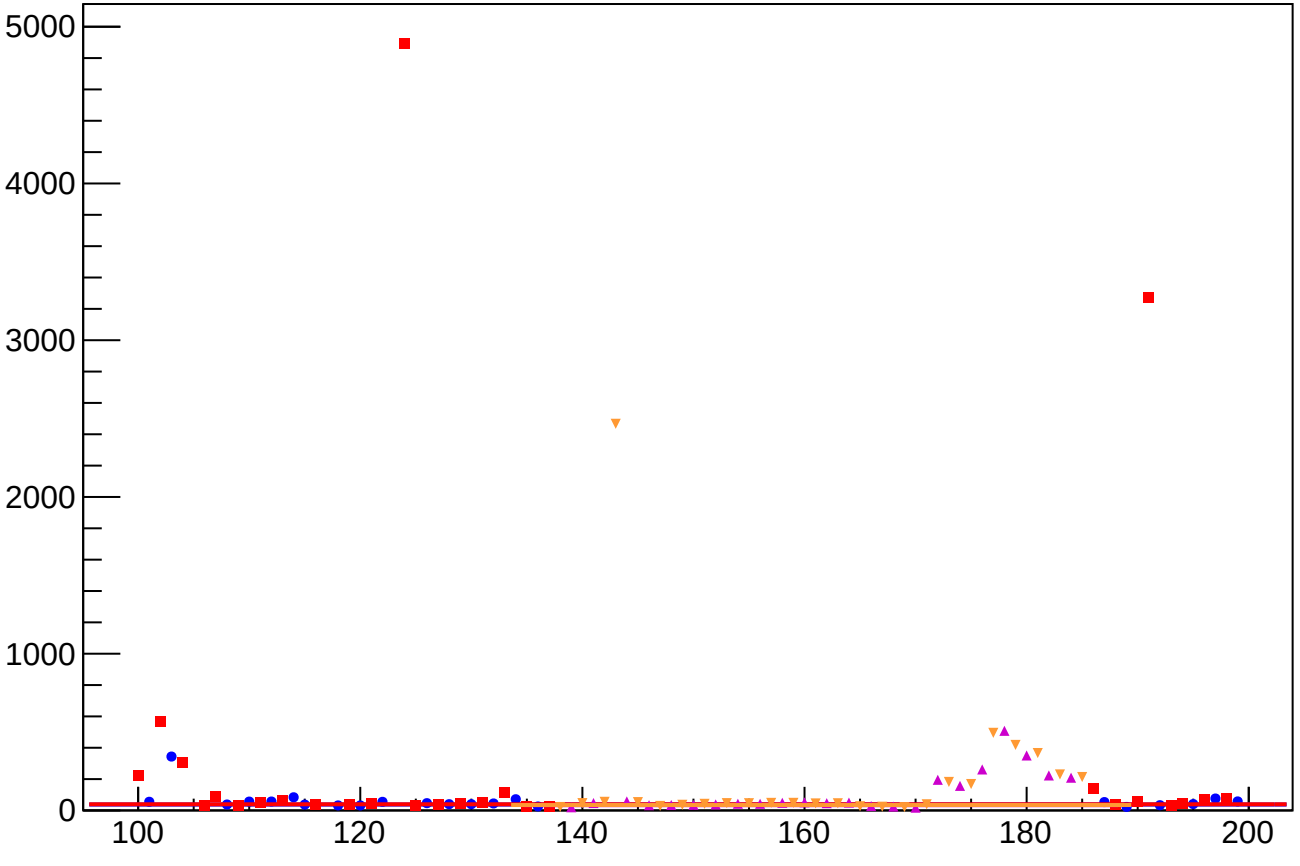
Right: 0.009+/-0.009 χ^2/NDF: 46.6/48

In: -0.005+/-0.008 χ^2/NDF:40.0/44

Out: 0.021+/-0.008 χ^2/NDF:44.4/51

All: 0.007+/-0.006 χ^2/NDF: 89.7/96

asym_atl_dd_atr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.595+/-0.009 χ^2/NDF: 2880971.2/21

Left Out: 34.623+/-0.007 χ^2/NDF:11402566.2/24

Right Out: 39.453+/-0.009 χ^2/NDF: 4692771.9/26

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

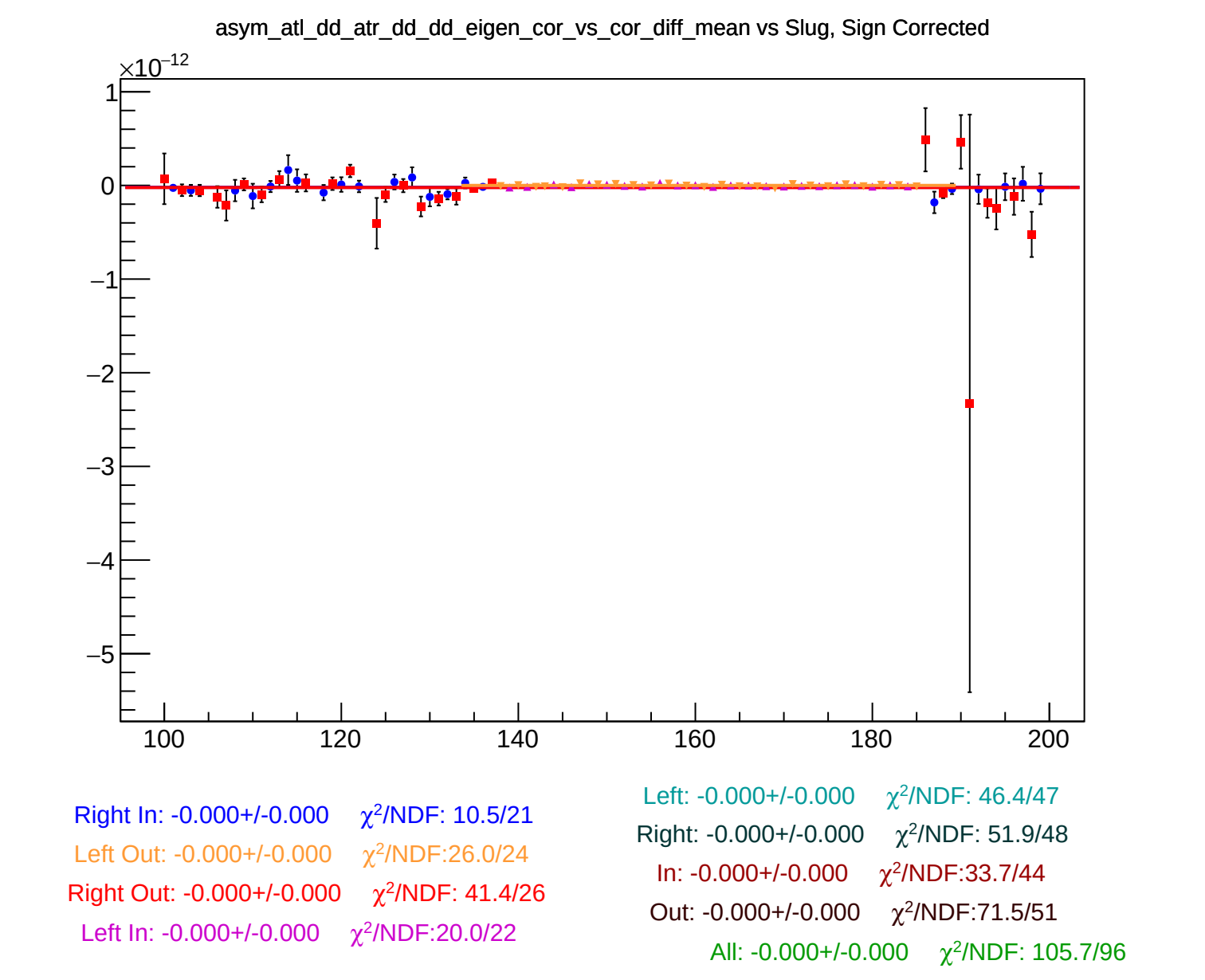
Left: 34.095+/-0.005 χ^2/NDF: 21479175.2/47

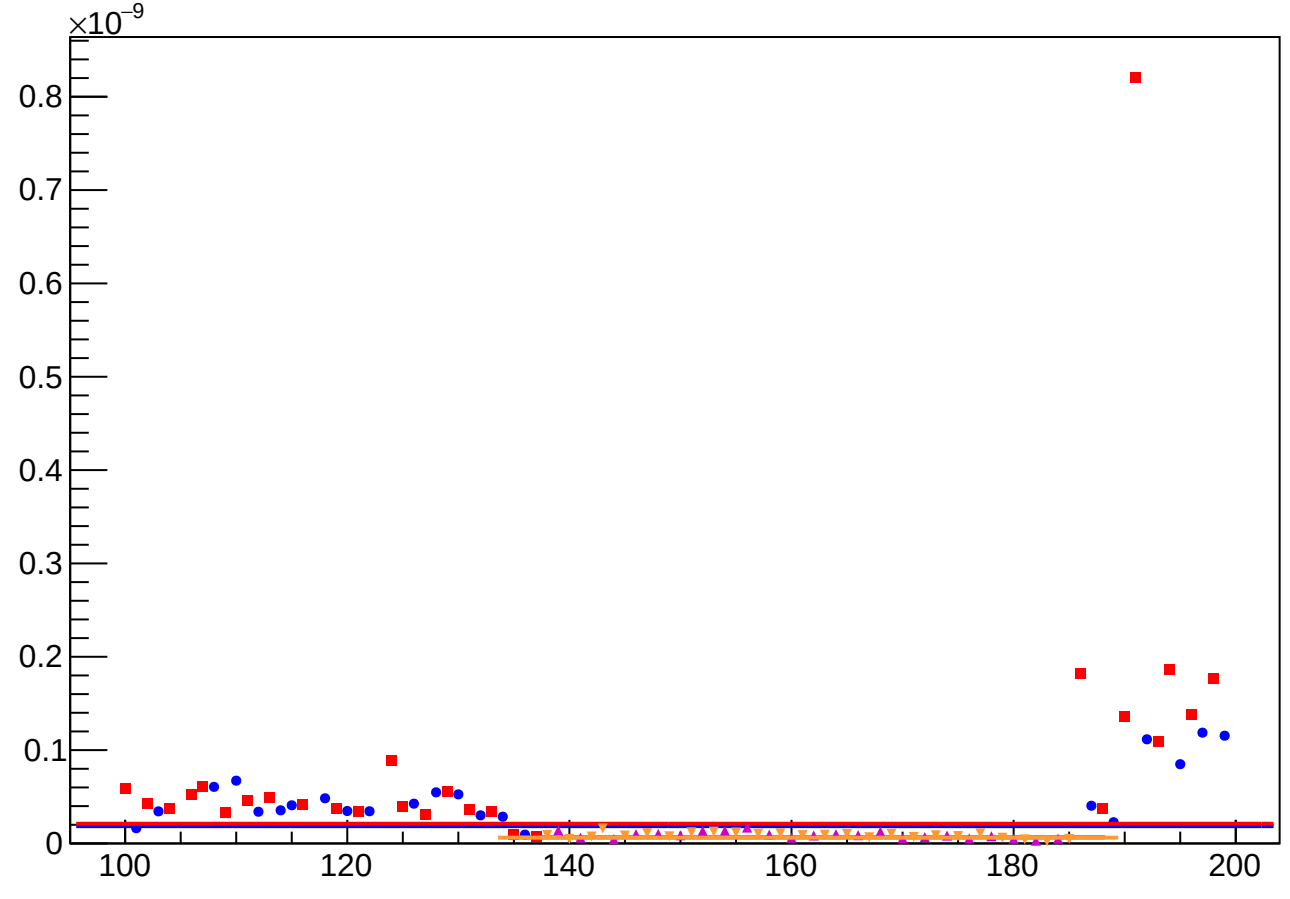
Right: 38.489+/-0.007 χ^2/NDF: 7593721.4/48

In: 35.085+/-0.006 χ^2/NDF:13067857.2/44

Out: 36.397+/-0.006 χ^2/NDF:16259977.9/51

All: 35.721+/-0.004 χ^2/NDF: 29354774.1/96


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: 10.5/21
Left Out: -0.000+/-0.000 χ²/NDF:26.0/24
Right Out: -0.000+/-0.000 χ²/NDF: 41.4/26
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: 51.9/48
In: -0.000+/-0.000 χ²/NDF:33.7/44
Out: -0.000+/-0.000 χ²/NDF:71.5/51
All: -0.000+/-0.000 χ²/NDF: 105.7/96



Right In: 0.000+/-0.000 χ^2/NDF: 5787248.6/21

Left Out: 0.000+/-0.000 χ^2/NDF:5077918.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8201798.2/26

Left In: 0.000+/-0.000 χ^2/NDF:3998320.2/22

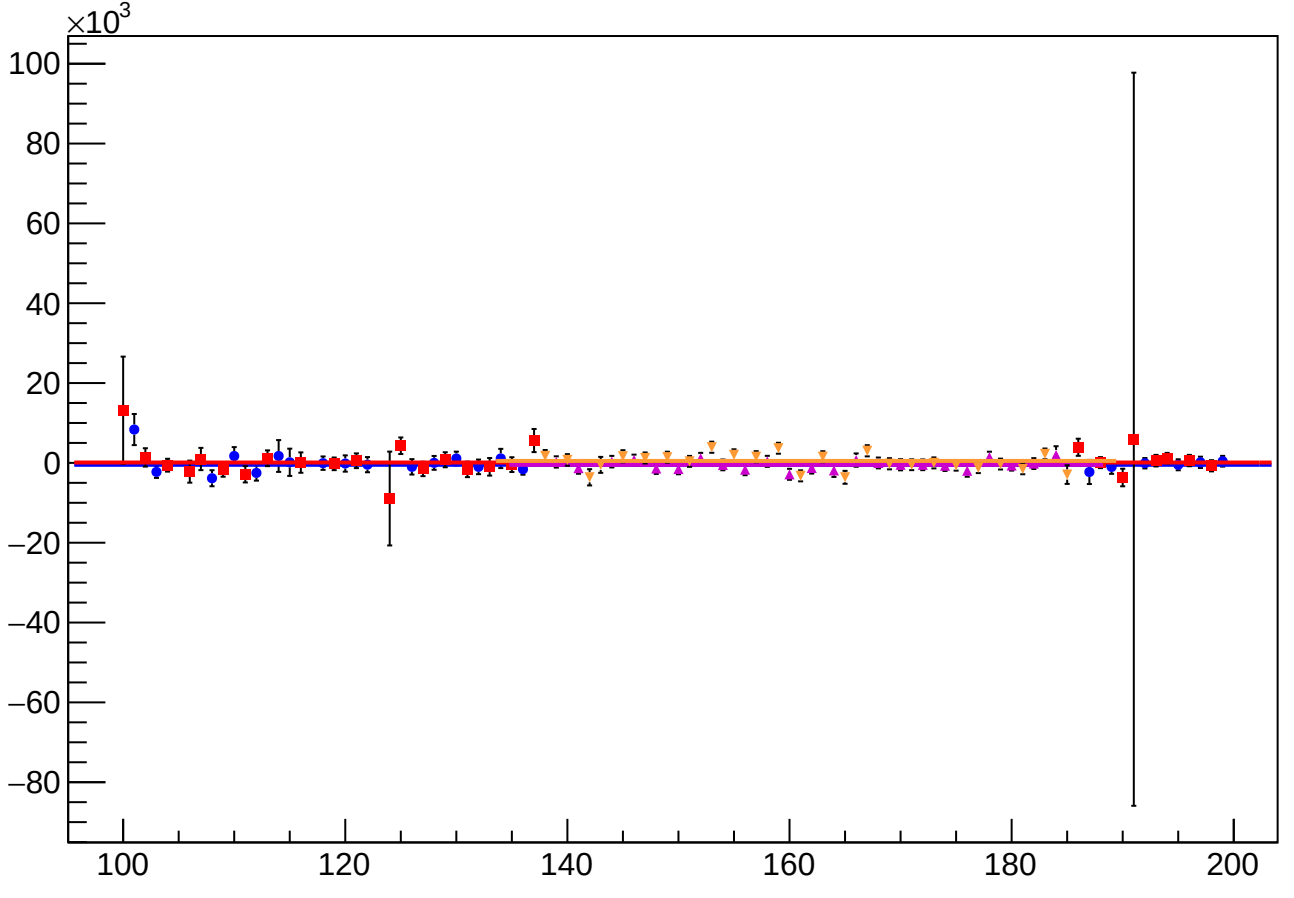
Left: 0.000+/-0.000 χ^2/NDF: 9096603.9/47

Right: 0.000+/-0.000 χ^2/NDF: 14050434.6/48

In: 0.000+/-0.000 χ^2/NDF:12780032.8/44

Out: 0.000+/-0.000 χ^2/NDF:17017478.3/51

All: 0.000+/-0.000 χ^2/NDF: 29824706.9/96



Right In: -476.111+/-383.517 χ^2/NDF: 15.2/21

Left Out: 492.062+/-288.495 χ^2/NDF:46.9/24

Right Out: 94.811+/-372.963 χ^2/NDF: 23.3/26

Left In: -486.821+/-293.769 χ^2/NDF:14.4/22

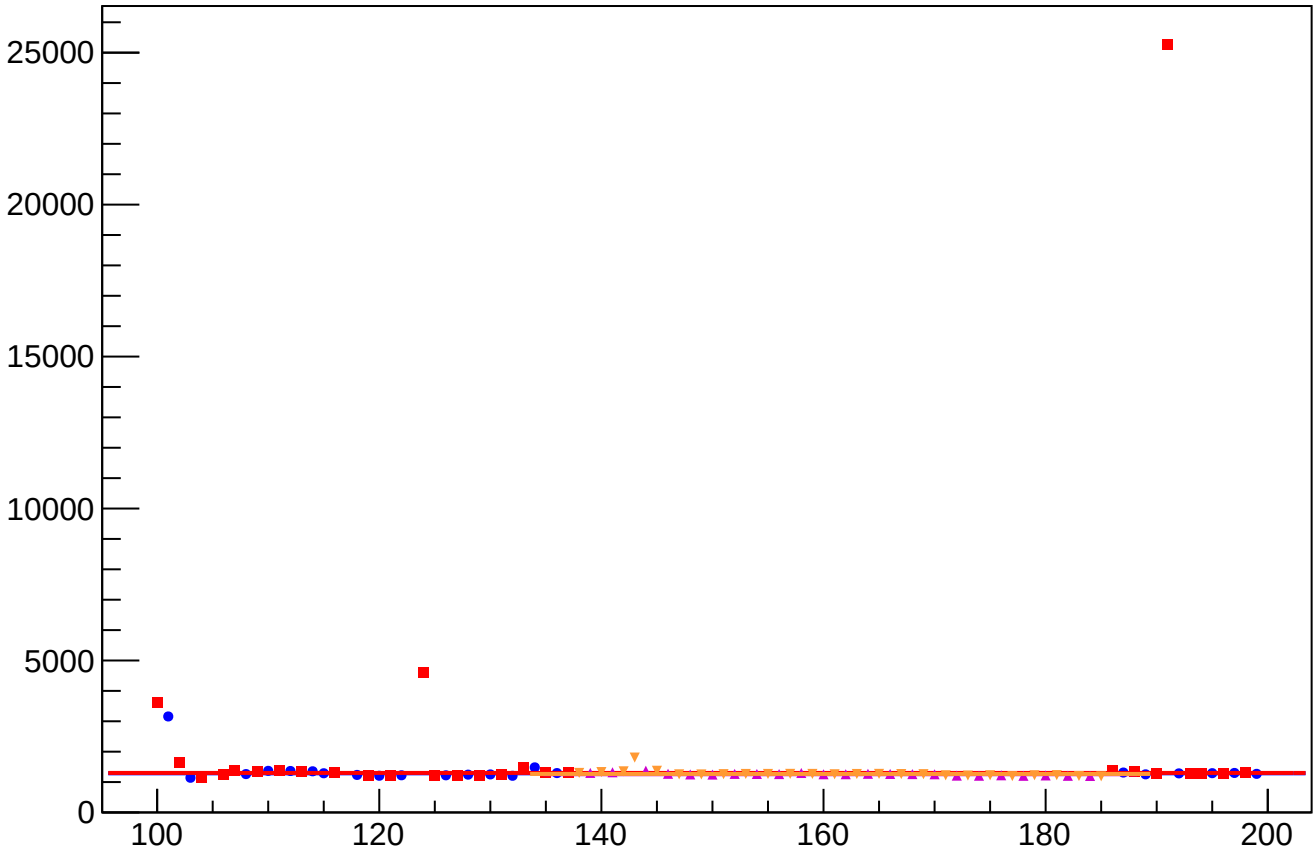
Left: 11.486+/-205.836 χ^2/NDF: 67.0/47

Right: -182.686+/-267.378 χ^2/NDF: 39.6/48

In: -482.861+/-233.213 χ^2/NDF:29.6/44

Out: 343.352+/-228.194 χ^2/NDF:70.9/51

All: -60.768+/-163.103 χ^2/NDF: 106.9/96



Right In: 1287.235+/-0.271 χ^2/NDF: 516109.2/21

Left Out: 1266.967+/-0.204 χ^2/NDF:187545.6/24

Right Out: 1300.666+/-0.263 χ^2/NDF: 465813.1/26

Left In: 1257.551+/-0.208 χ^2/NDF:36816.4/22

Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

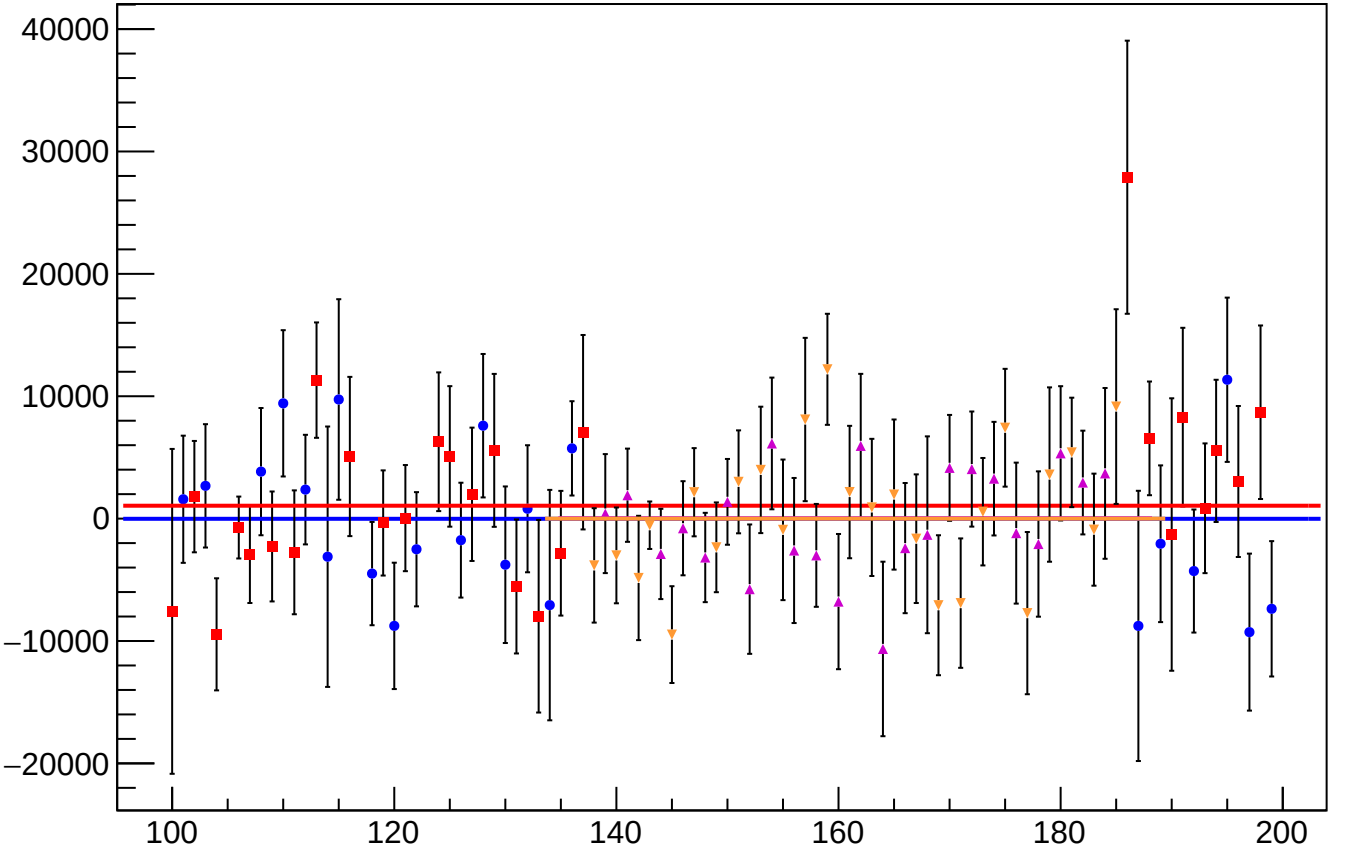
Right: 1294.148+/-0.189 χ^2/NDF: 983184.9/48

In: 1268.528+/-0.165 χ^2/NDF:560476.3/44

Out: 1279.607+/-0.161 χ^2/NDF:663593.6/51

All: 1274.191+/-0.115 χ^2/NDF: 1226377.1/96

asym_at1_avg_at2_avg_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: -14.713+/-1177.908 χ^2/NDF: 22.6/21

Left Out: -0.604+/-886.488 χ^2/NDF:29.1/24

Right Out: 1054.355+/-998.678 χ^2/NDF: 29.5/26

Left In: 31.593+/-995.348 χ^2/NDF:14.0/22

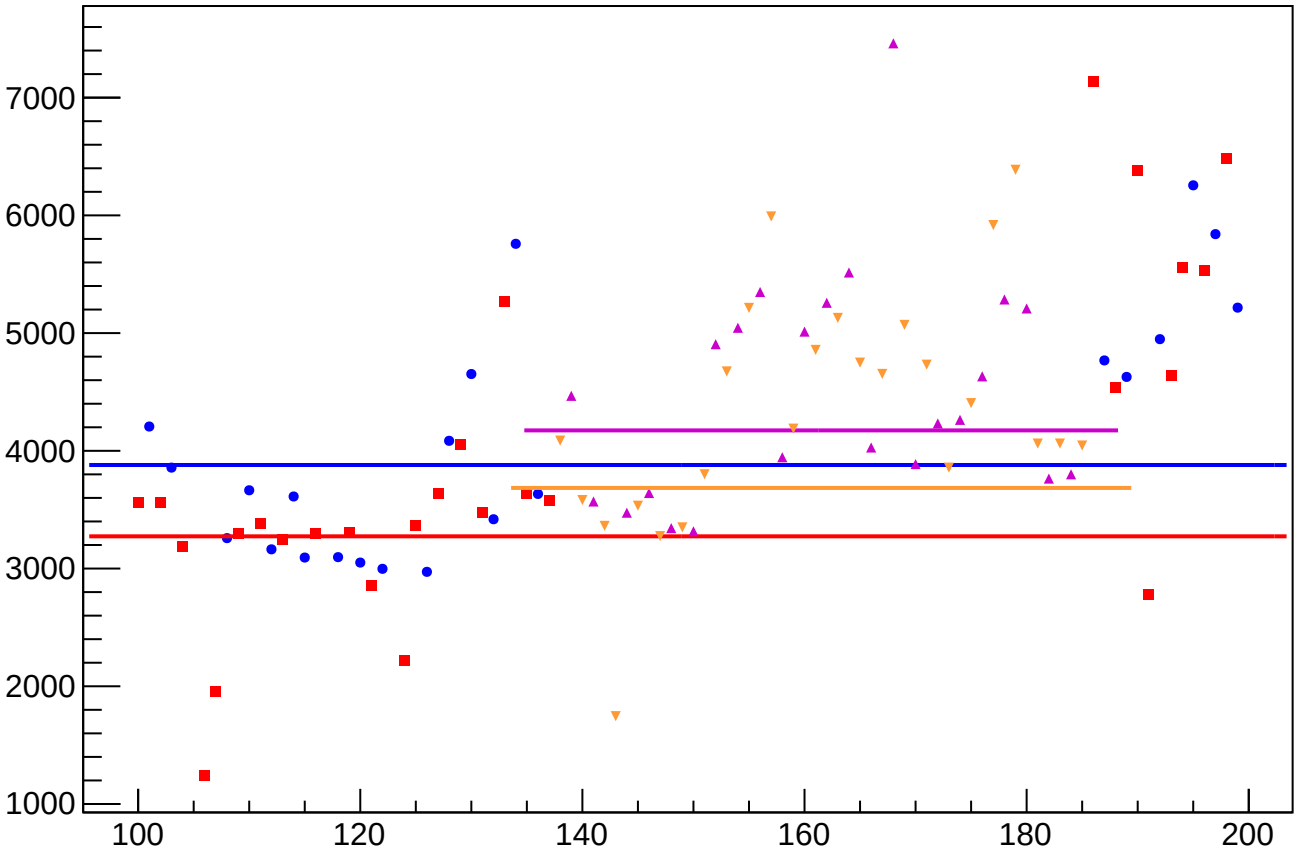
Left: 13.638+/-661.996 χ^2/NDF: 43.1/47

Right: 607.260+/-761.743 χ^2/NDF: 52.6/48

In: 12.302+/-760.262 χ^2/NDF:36.7/44

Out: 464.314+/-662.973 χ^2/NDF:59.2/51

All: 269.063+/-499.672 χ^2/NDF: 96.1/96



Right In: 3879.660+/-0.833 χ^2/NDF: 1196815.7/21

Left Out: 3684.769+/-0.627 χ^2/NDF:3693646.6/24

Right Out: 3273.733+/-0.706 χ^2/NDF: 3466611.3/26

Left In: 4173.556+/-0.704 χ^2/NDF:1274968.4/22

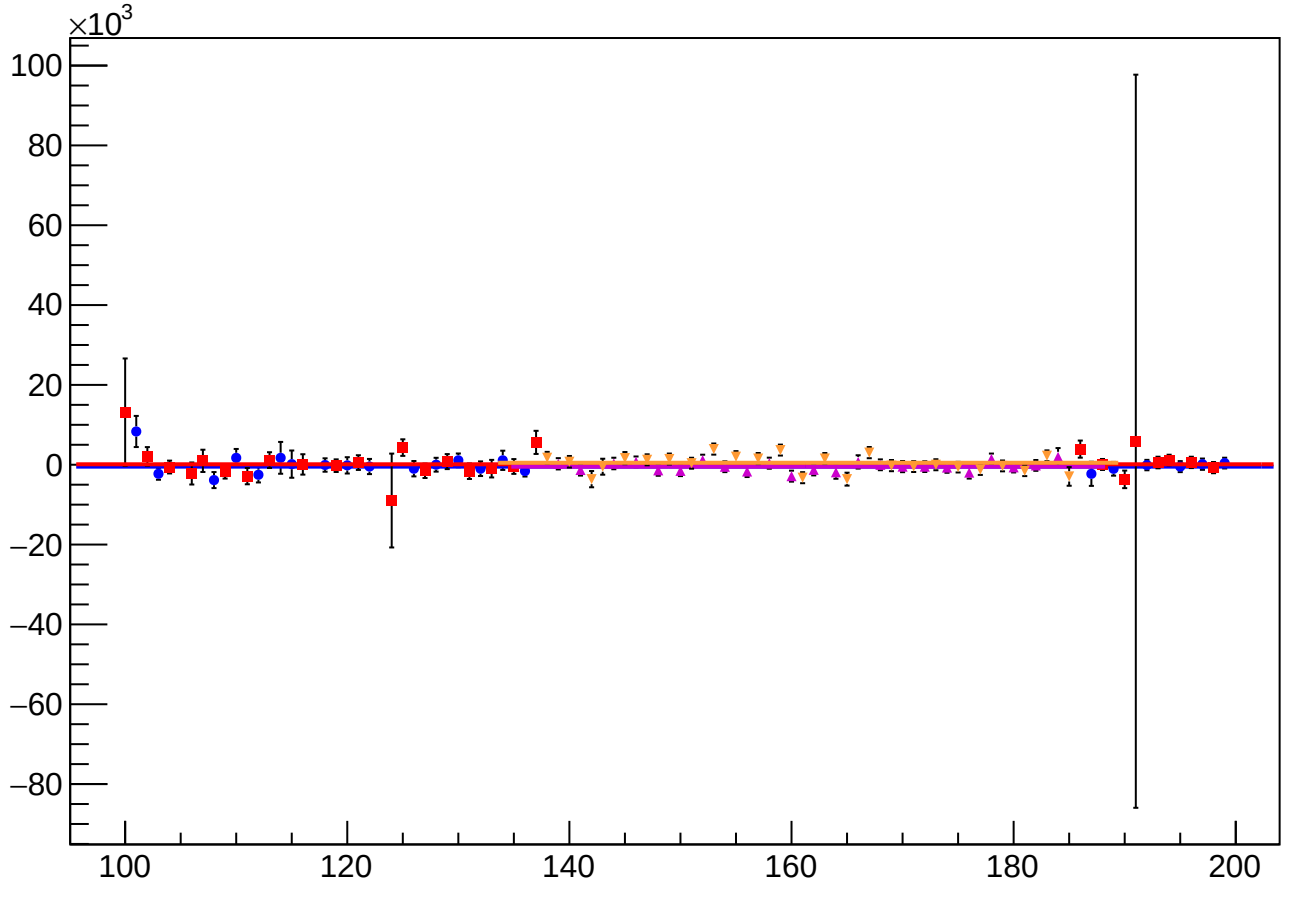
Left: 3900.981+/-0.468 χ^2/NDF: 5237573.9/47

Right: 3527.137+/-0.539 χ^2/NDF: 4971330.9/48

In: 4051.123+/-0.538 χ^2/NDF:2544423.5/44

Out: 3503.626+/-0.469 χ^2/NDF:7349747.5/51

All: 3740.123+/-0.353 χ^2/NDF: 10483348.5/9



Right In: -476.330+/-383.517 χ^2/NDF: 15.1/21

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: 111.879+/-373.108 χ^2/NDF: 23.7/26

Left In: -486.720+/-293.769 χ^2/NDF:14.4/22

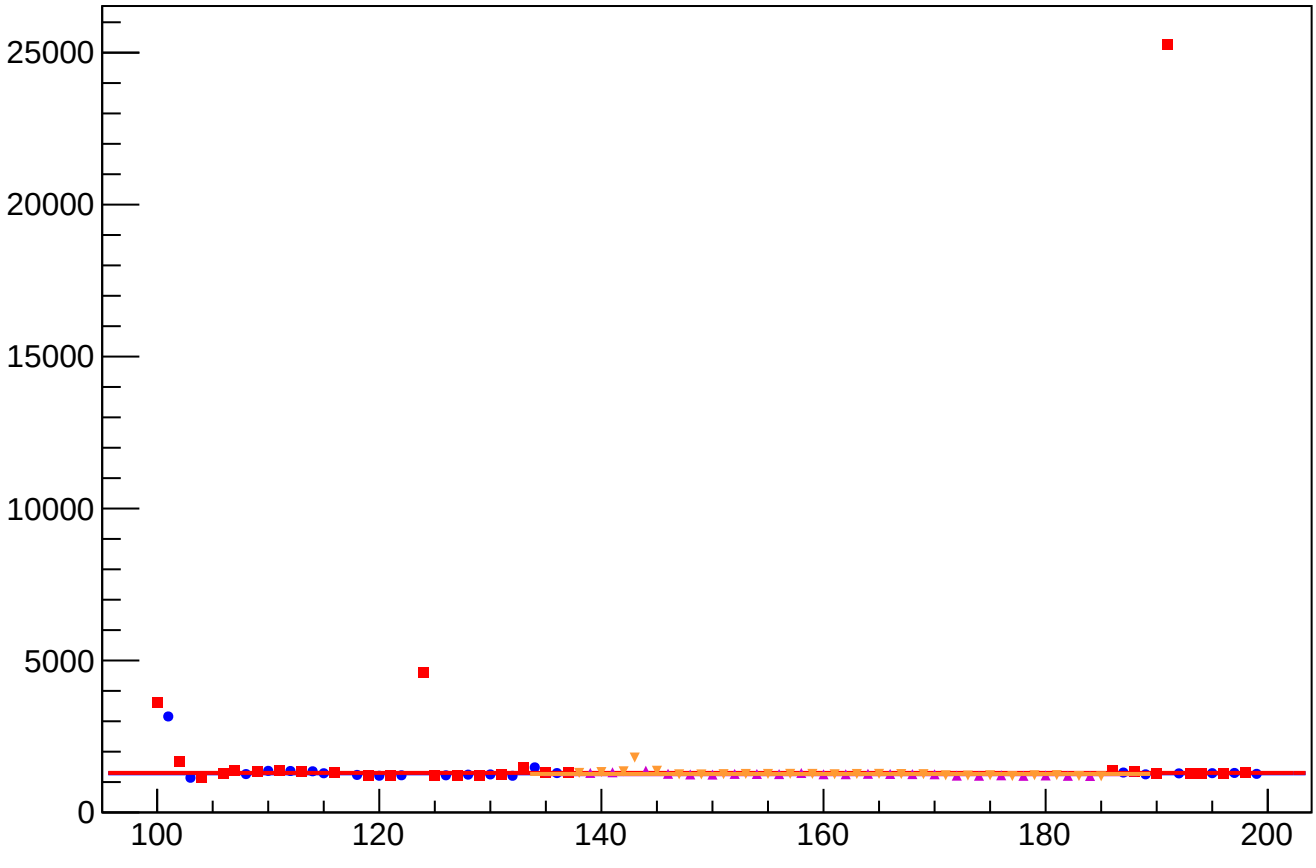
Left: 11.544+/-205.836 χ^2/NDF: 67.0/47

Right: -174.134+/-267.431 χ^2/NDF: 40.1/48

In: -482.878+/-233.213 χ^2/NDF:29.6/44

Out: 349.820+/-228.227 χ^2/NDF:71.3/51

All: -57.532+/-163.115 χ^2/NDF: 107.3/96



Right In: 1287.235+/-0.271 χ^2/NDF: 516110.7/21

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

Right Out: 1301.856+/-0.264 χ^2/NDF: 472291.3/26

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

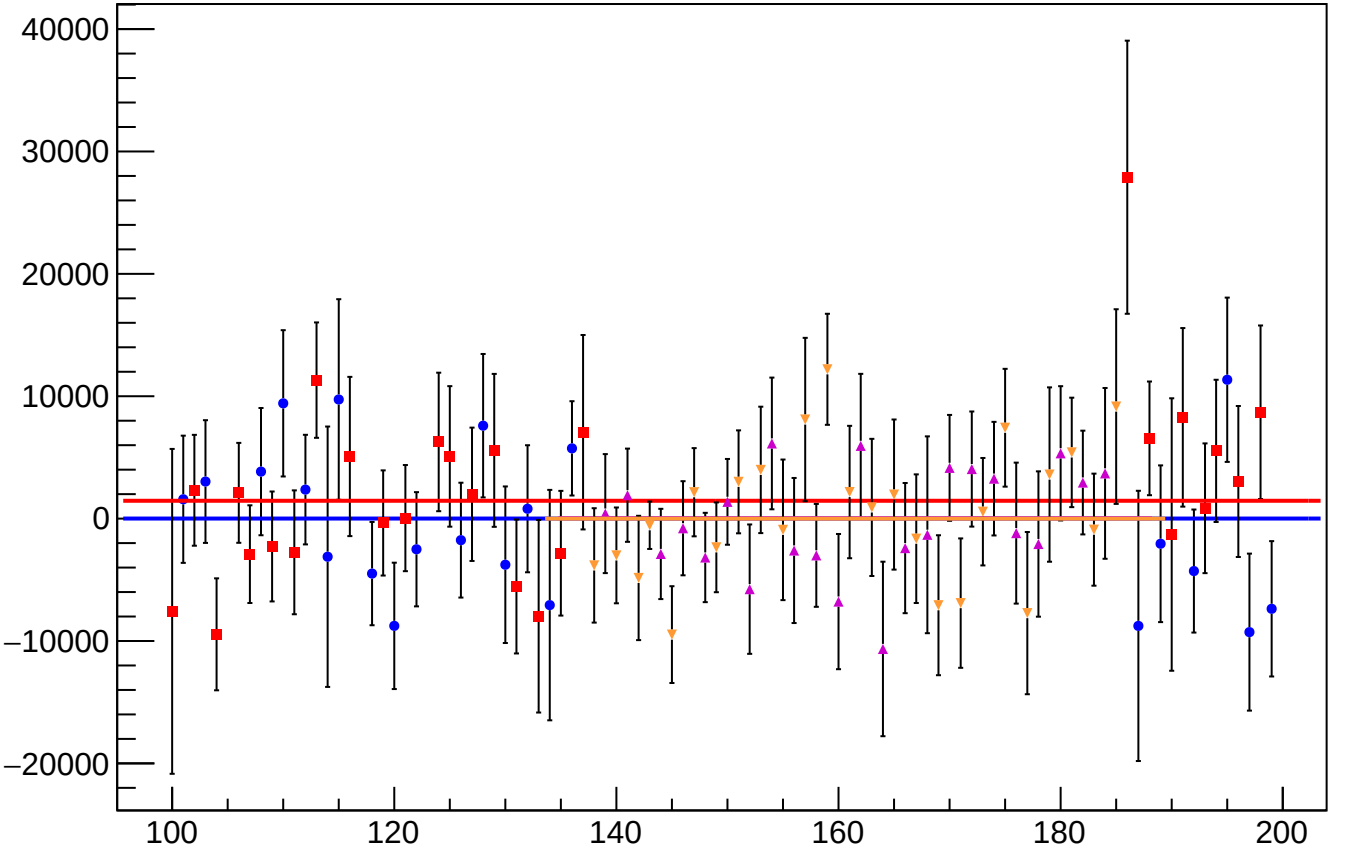
Right: 1294.755+/-0.189 χ^2/NDF: 989897.1/48

In: 1268.528+/-0.165 χ^2/NDF:560477.6/44

Out: 1280.040+/-0.161 χ^2/NDF:670796.3/51

All: 1274.410+/-0.115 χ^2/NDF: 1233764.2/96

asym_at1_avg_at2_avg_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: 6.097+/-1177.588 χ^2/NDF: 22.7/21

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

Right Out: 1458.117+/-1050.045 χ^2/NDF: 29.0/26

Left In: 31.597+/-995.347 χ^2/NDF:14.0/22

Left: 13.675+/-661.996 χ^2/NDF: 43.1/47

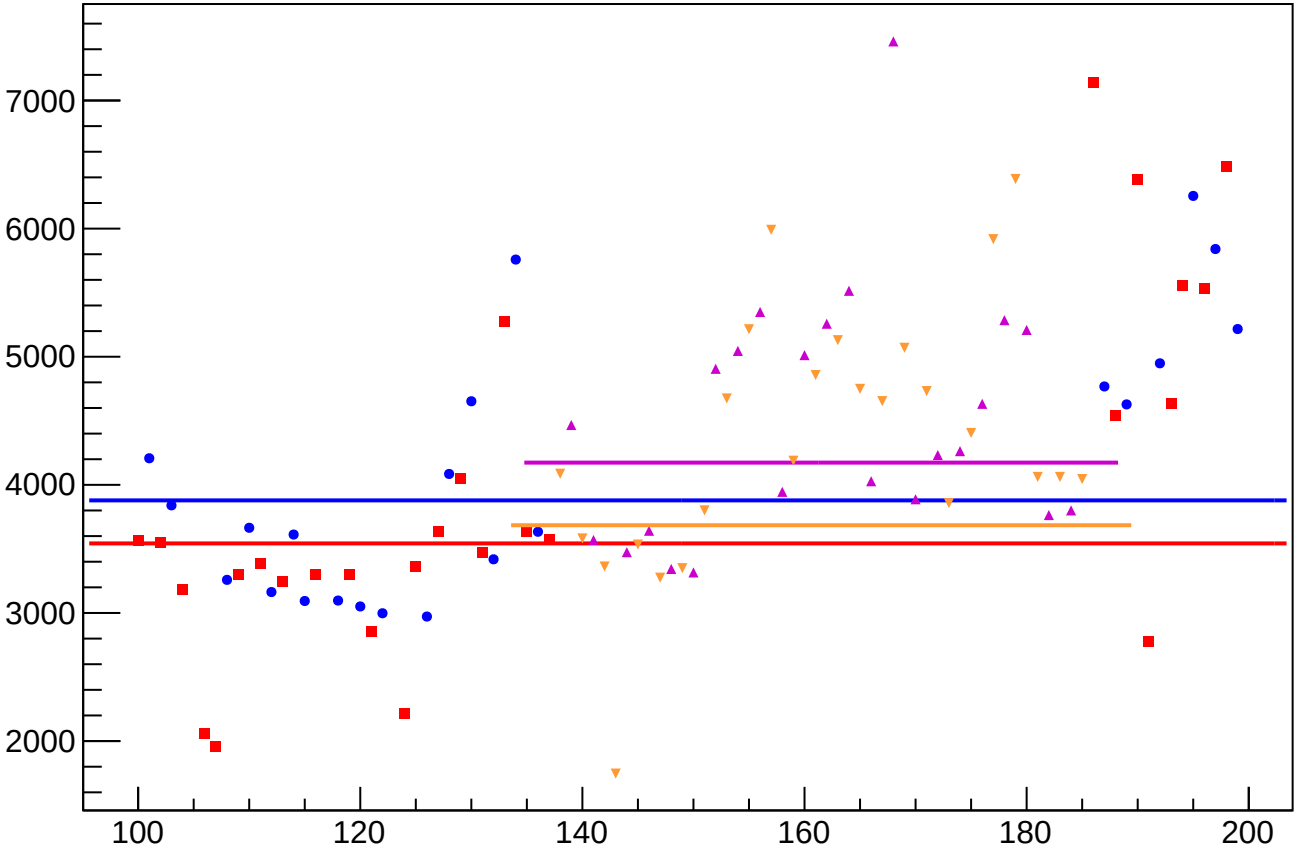
Right: 814.971+/-783.722 χ^2/NDF: 52.5/48

In: 20.971+/-760.176 χ^2/NDF:36.8/44

Out: 606.464+/-677.372 χ^2/NDF:59.1/51

All: 347.331+/-505.725 χ^2/NDF: 96.2/96

asym_at1_avg_at2_avg_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 3878.737+/-0.833 χ^2/NDF: 1196957.8/21

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

Right Out: 3542.906+/-0.742 χ^2/NDF: 2220097.4/26

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

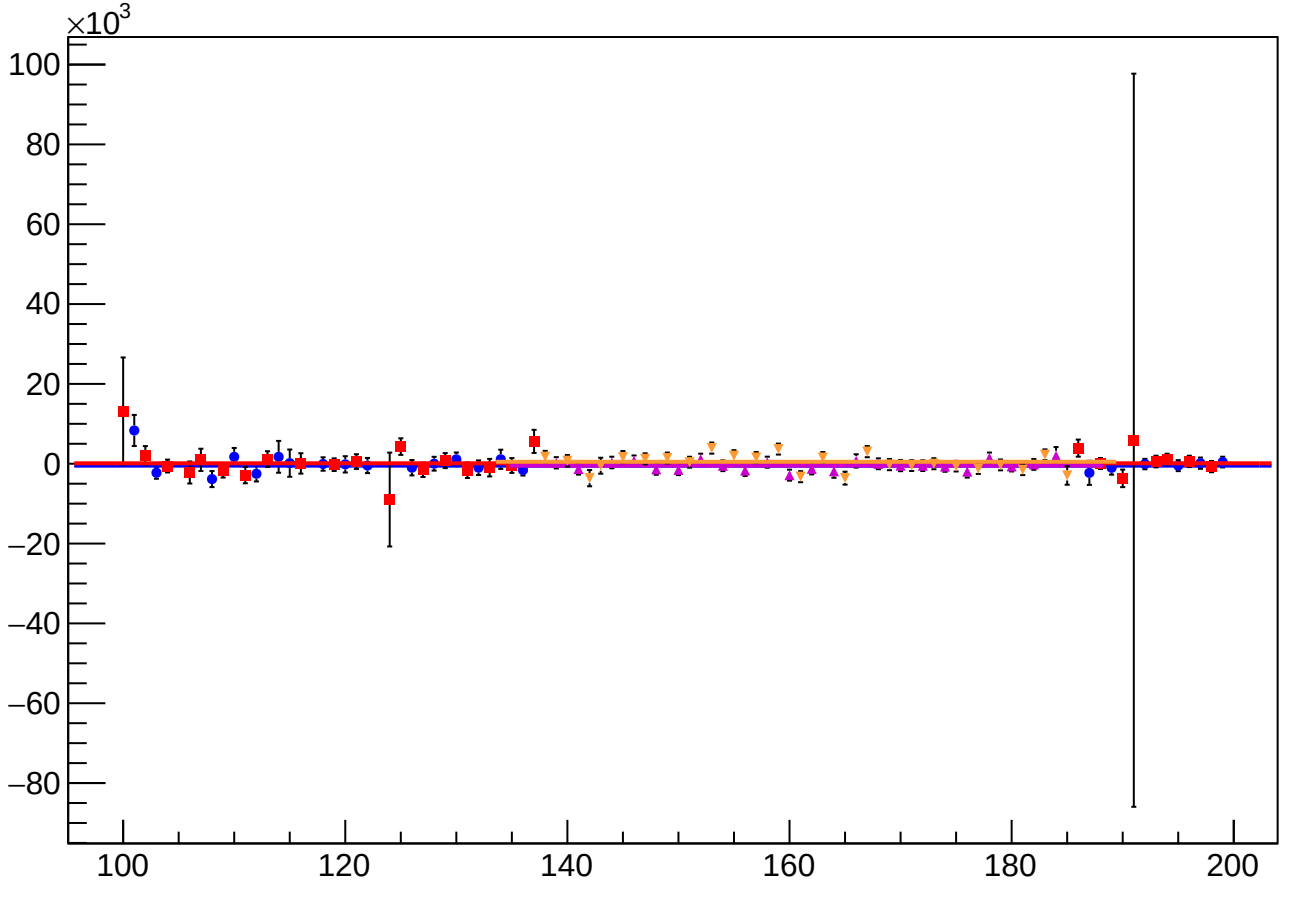
Left: 3900.975+/-0.468 χ^2/NDF: 5237615.0/47

Right: 3691.656+/-0.554 χ^2/NDF: 3507668.7/48

In: 4050.696+/-0.538 χ^2/NDF:2545041.8/44

Out: 3625.730+/-0.479 χ^2/NDF:5935096.3/51

All: 3813.816+/-0.358 χ^2/NDF: 8828544.6/96



Right In: -476.330+/-383.517 χ^2/NDF: 15.1/21

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: 111.879+/-373.108 χ^2/NDF: 23.7/26

Left In: -486.720+/-293.769 χ^2/NDF:14.4/22

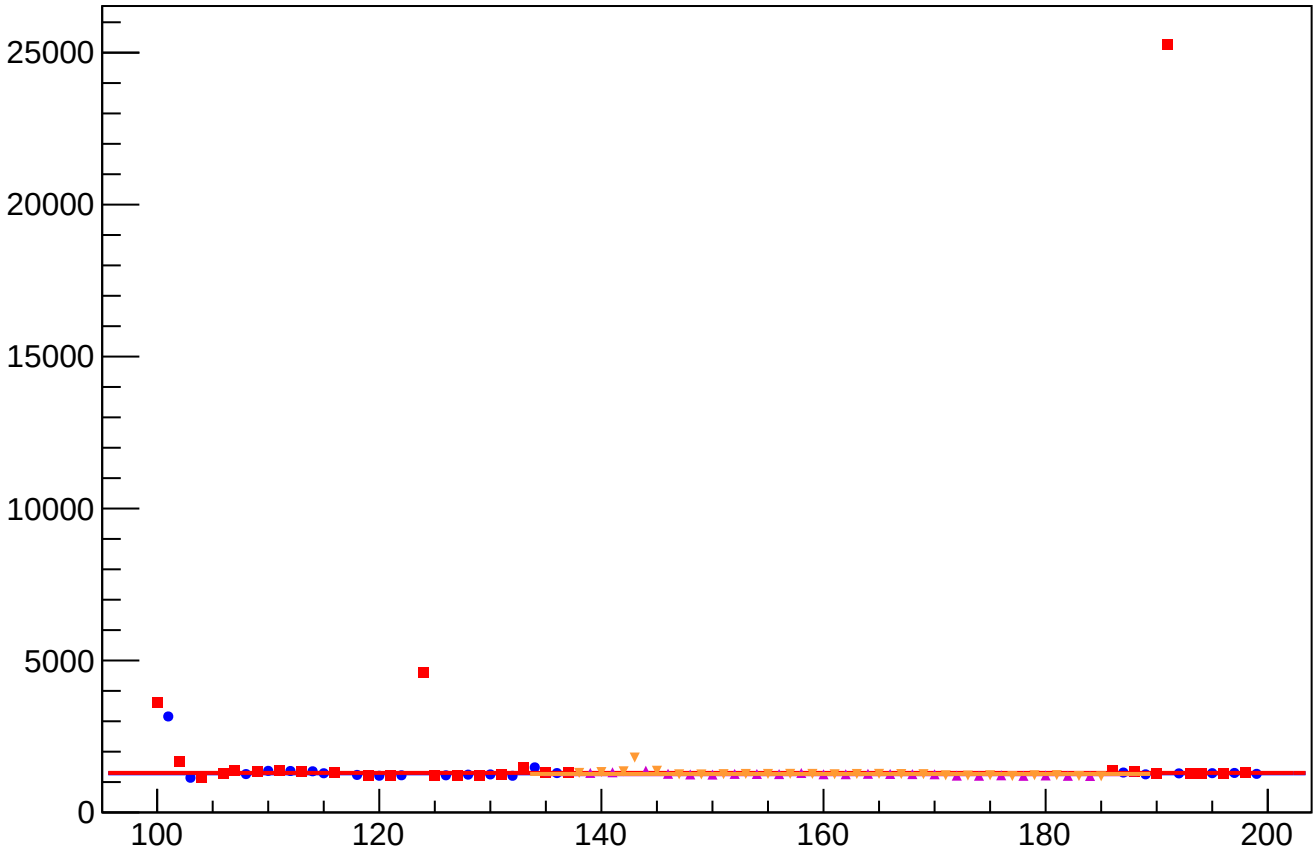
Left: 11.544+/-205.836 χ^2/NDF: 67.0/47

Right: -174.134+/-267.431 χ^2/NDF: 40.1/48

In: -482.878+/-233.213 χ^2/NDF:29.6/44

Out: 349.820+/-228.227 χ^2/NDF:71.3/51

All: -57.532+/-163.115 χ^2/NDF: 107.3/96



Right In: 1287.235+/-0.271 χ^2/NDF: 516110.7/21

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

Right Out: 1301.856+/-0.264 χ^2/NDF: 472291.3/26

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

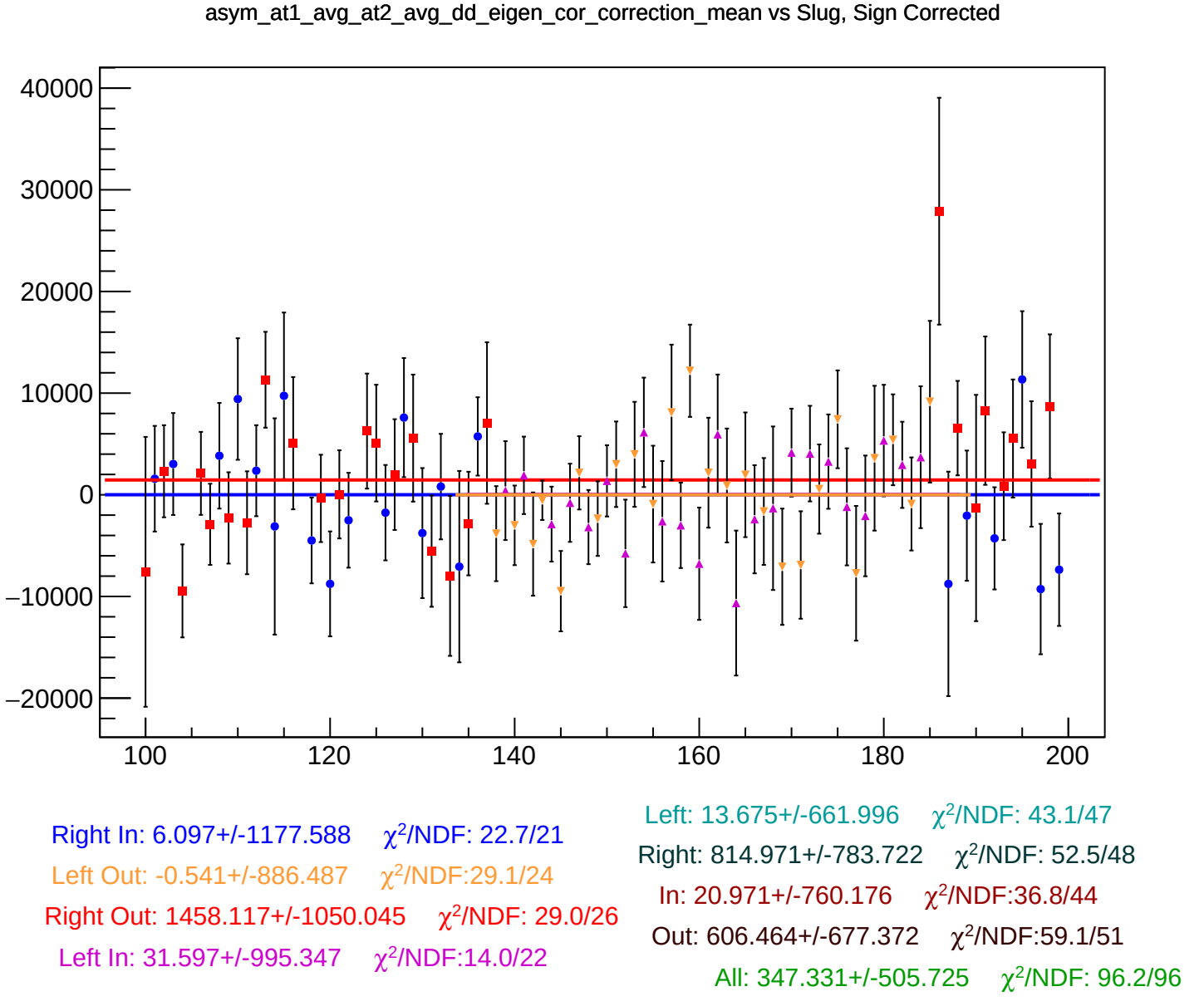
Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

Right: 1294.755+/-0.189 χ^2/NDF: 989897.1/48

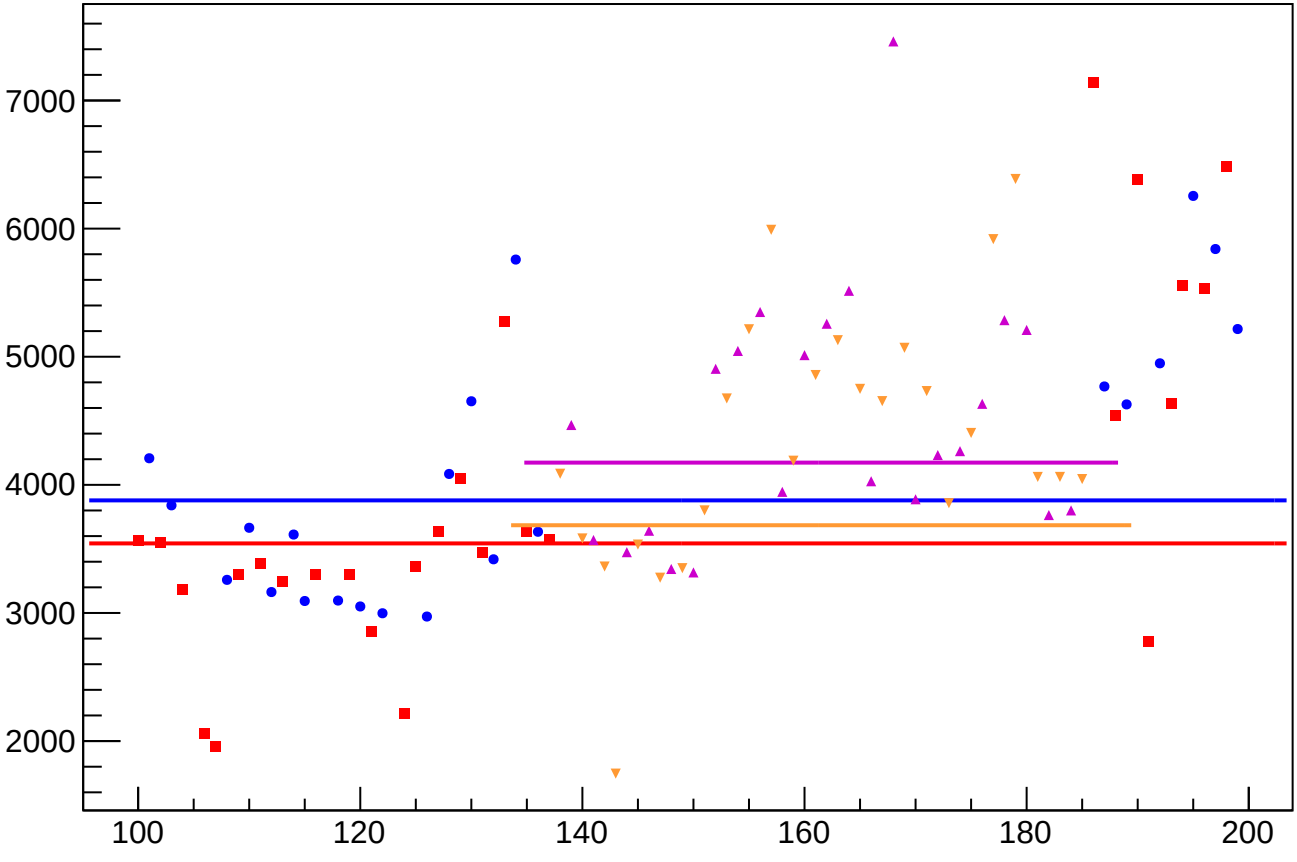
In: 1268.528+/-0.165 χ^2/NDF:560477.6/44

Out: 1280.040+/-0.161 χ^2/NDF:670796.3/51

All: 1274.410+/-0.115 χ^2/NDF: 1233764.2/96


asym_at1_avg_at2_avg_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
100
120
140
160
180
200
Right In: 6.097+/-1177.588 χ²/NDF: 22.7/21
Left Out: -0.541+/-886.487 χ²/NDF:29.1/24
Right Out: 1458.117+/-1050.045 χ²/NDF: 29.0/26
Left In: 31.597+/-995.347 χ²/NDF:14.0/22
Left: 13.675+/-661.996 χ²/NDF: 43.1/47
Right: 814.971+/-783.722 χ²/NDF: 52.5/48
In: 20.971+/-760.176 χ²/NDF:36.8/44
Out: 606.464+/-677.372 χ²/NDF:59.1/51
All: 347.331+/-505.725 χ²/NDF: 96.2/96

asym_at1_avg_at2_avg_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 3878.737+/-0.833 χ^2/NDF: 1196957.8/21

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

Right Out: 3542.906+/-0.742 χ^2/NDF: 2220097.4/26

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

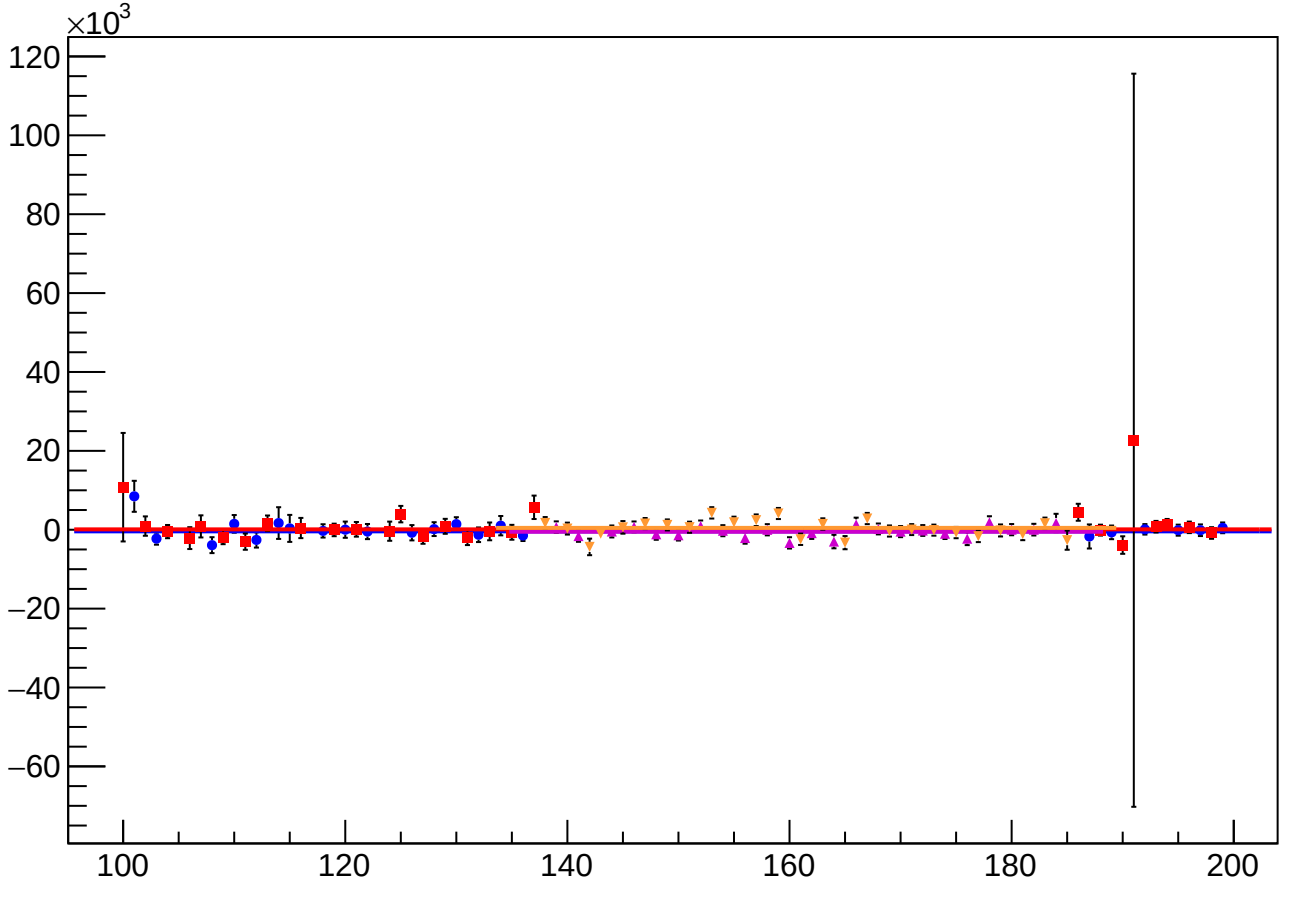
Left: 3900.975+/-0.468 χ^2/NDF: 5237615.0/47

Right: 3691.656+/-0.554 χ^2/NDF: 3507668.7/48

In: 4050.696+/-0.538 χ^2/NDF:2545041.8/44

Out: 3625.730+/-0.479 χ^2/NDF:5935096.3/51

All: 3813.816+/-0.358 χ^2/NDF: 8828544.6/96



Right In: -406.817+/-389.065 χ^2/NDF: 15.1/21

Left Out: 467.929+/-294.257 χ^2/NDF:44.1/24

Right Out: 93.322+/-374.882 χ^2/NDF: 24.0/26

Left In: -503.558+/-307.055 χ^2/NDF:17.4/22

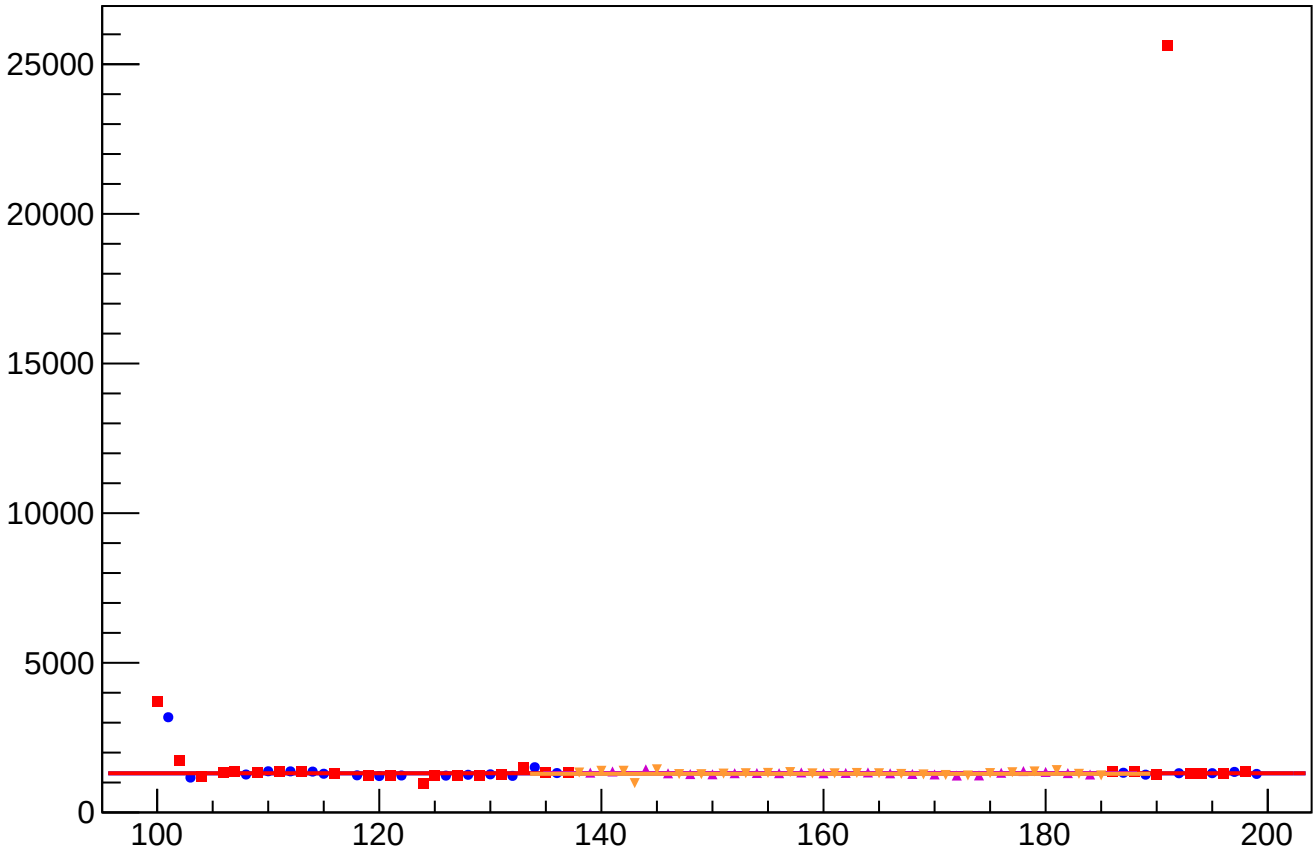
Left: 2.853+/-212.452 χ^2/NDF: 66.7/47

Right: -147.465+/-269.957 χ^2/NDF: 40.0/48

In: -466.429+/-241.033 χ^2/NDF:32.6/44

Out: 325.116+/-231.468 χ^2/NDF:68.7/51

All: -54.638+/-166.952 χ^2/NDF: 106.9/96



Right In: 1305.755+/-0.275 χ^2/NDF: 514602.8/21

Left Out: 1291.211+/-0.208 χ^2/NDF:230735.1/24

Right Out: 1310.196+/-0.265 χ^2/NDF: 363097.7/26

Left In: 1314.006+/-0.217 χ^2/NDF:43044.7/22

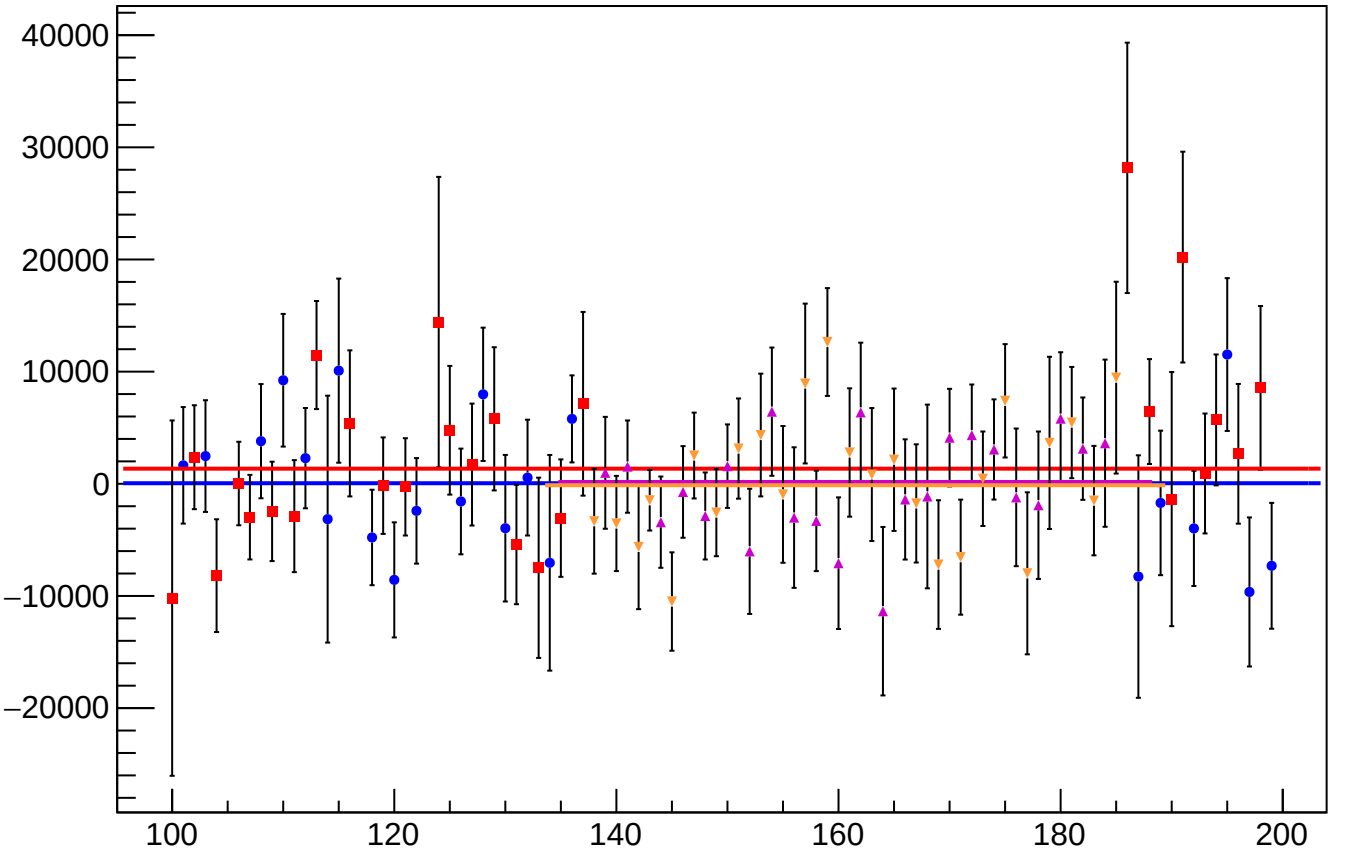
Left: 1302.123+/-0.150 χ^2/NDF: 279525.5/47

Right: 1308.059+/-0.191 χ^2/NDF: 877835.7/48

In: 1310.839+/-0.170 χ^2/NDF:558201.7/44

Out: 1298.452+/-0.164 χ^2/NDF:597008.5/51

All: 1304.394+/-0.118 χ^2/NDF: 1157958.5/96



Right In: 51.528+/-1183.391 χ^2/NDF: 22.5/21

Left Out: -127.273+/-977.231 χ^2/NDF:28.6/24

Right Out: 1349.010+/-1068.322 χ^2/NDF: 30.7/26

Left In: 159.452+/-1045.510 χ^2/NDF:13.8/22

Left: 6.422+/-713.925 χ^2/NDF: 42.4/47

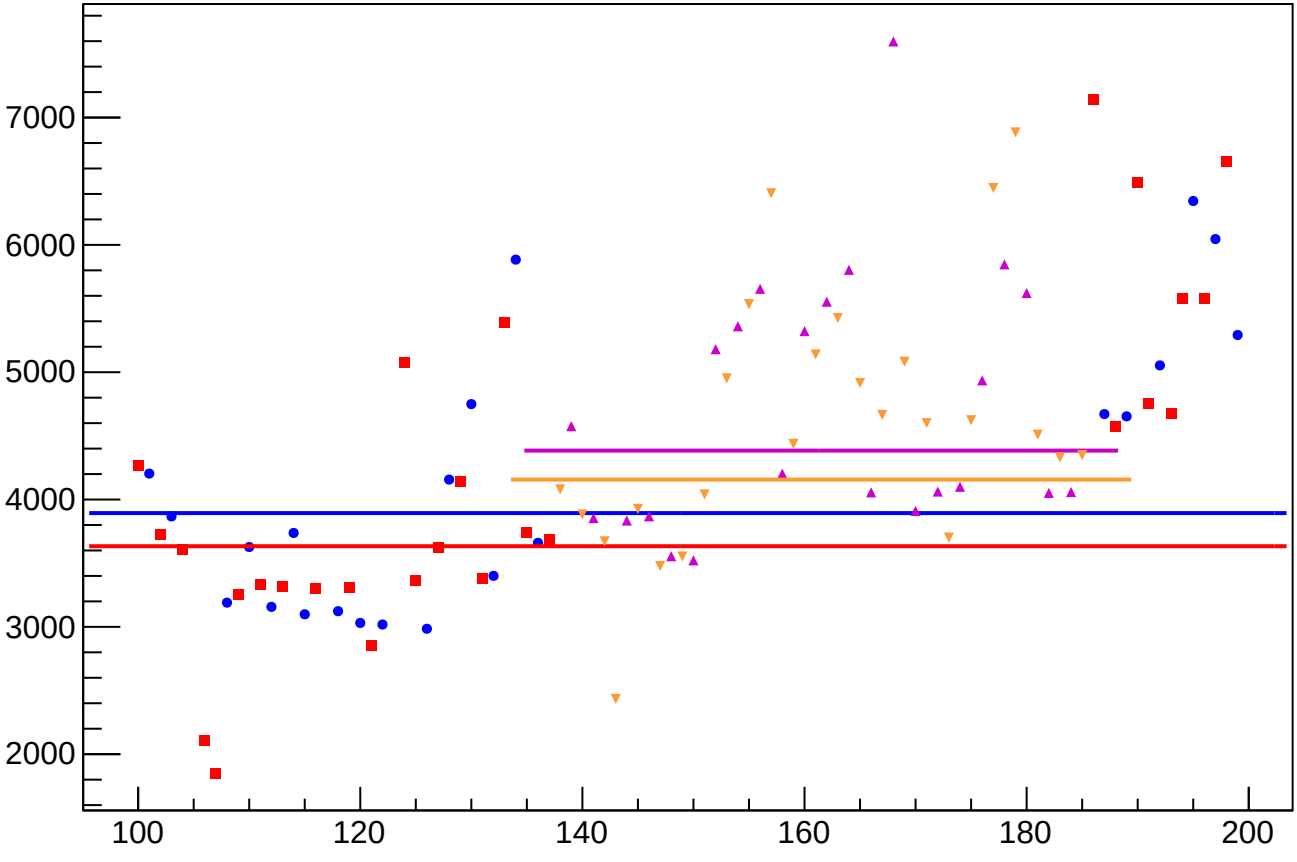
Right: 766.401+/-792.987 χ^2/NDF: 53.8/48

In: 112.141+/-783.522 χ^2/NDF:36.3/44

Out: 545.257+/-721.063 χ^2/NDF:60.3/51

All: 346.648+/-530.578 χ^2/NDF: 96.7/96

asym_at1_avg_at2_avg_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 3893.471+/-0.837 χ^2/NDF: 1271158.3/21

Left Out: 4156.582+/-0.691 χ^2/NDF:2080766.1/24

Right Out: 3633.326+/-0.755 χ^2/NDF: 2311441.1/26

Left In: 4384.323+/-0.739 χ^2/NDF:1255470.8/22

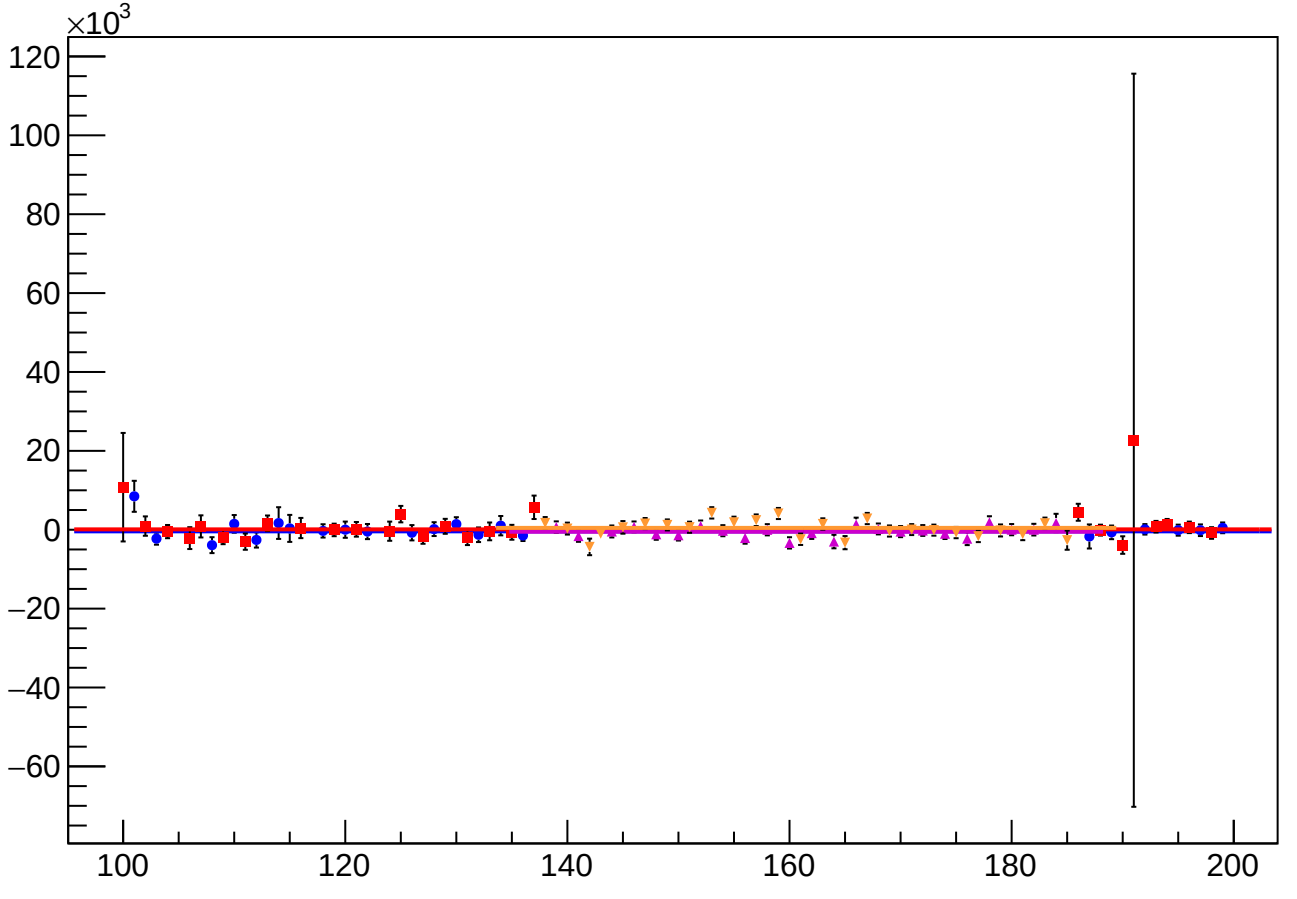
Left: 4262.773+/-0.505 χ^2/NDF: 3386885.6/47

Right: 3750.139+/-0.561 χ^2/NDF: 3635851.0/48

In: 4169.146+/-0.554 χ^2/NDF:2719879.3/44

Out: 3918.209+/-0.510 χ^2/NDF:4653427.1/51

All: 4033.278+/-0.375 χ^2/NDF: 7484379.0/96



Right In: -406.817+/-389.065 χ^2/NDF: 15.1/21

Left Out: 467.933+/-294.257 χ^2/NDF:44.1/24

Right Out: 93.319+/-374.882 χ^2/NDF: 24.0/26

Left In: -503.558+/-307.056 χ^2/NDF:17.4/22

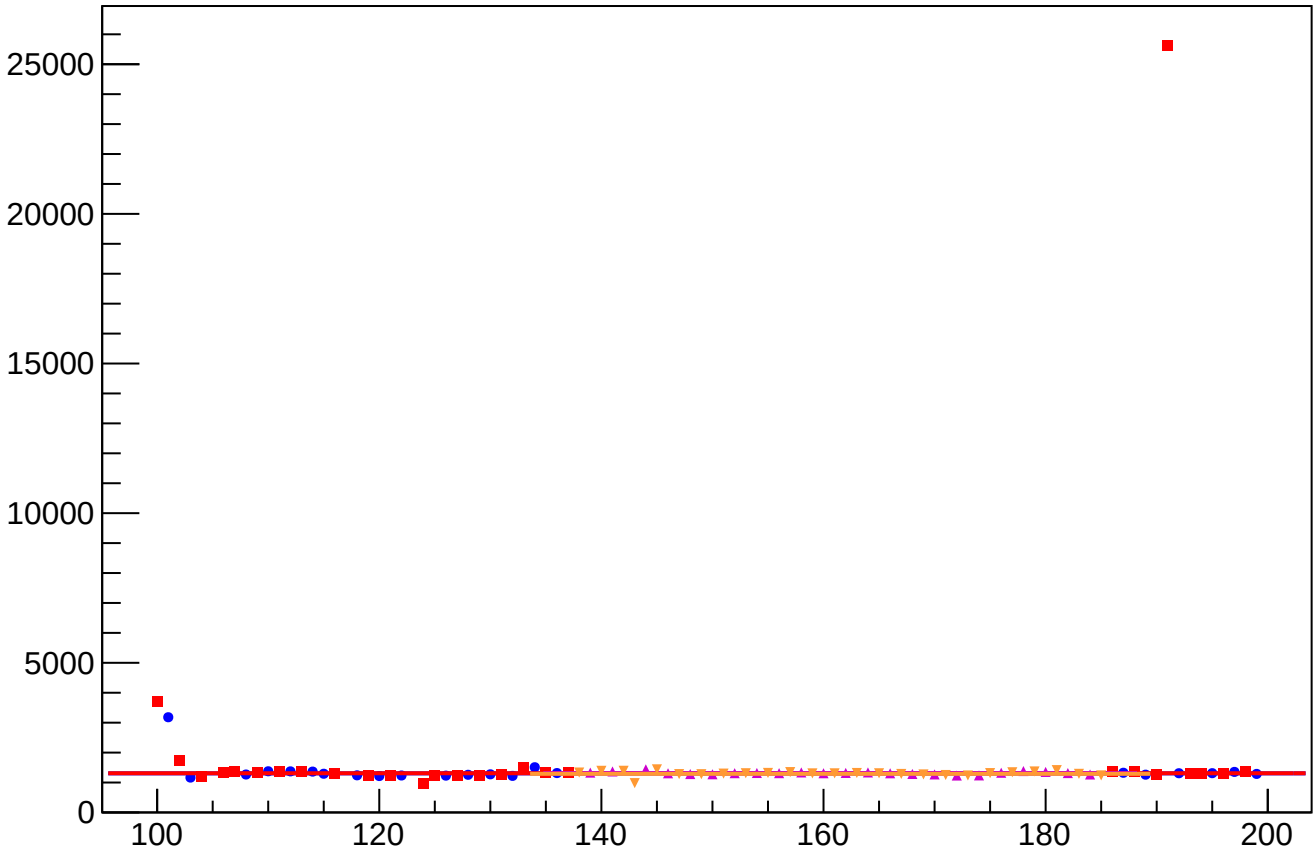
Left: 2.855+/-212.452 χ^2/NDF: 66.7/47

Right: -147.467+/-269.957 χ^2/NDF: 40.0/48

In: -466.429+/-241.033 χ^2/NDF:32.6/44

Out: 325.117+/-231.468 χ^2/NDF:68.7/51

All: -54.638+/-166.952 χ^2/NDF: 106.9/96



Right In: 1305.755+/-0.275 χ^2/NDF: 514603.0/21

Left Out: 1291.212+/-0.208 χ^2/NDF:230737.6/24

Right Out: 1310.196+/-0.265 χ^2/NDF: 363098.0/26

Left In: 1314.007+/-0.217 χ^2/NDF:43046.8/22

Left: 1302.125+/-0.150 χ^2/NDF: 279530.2/47

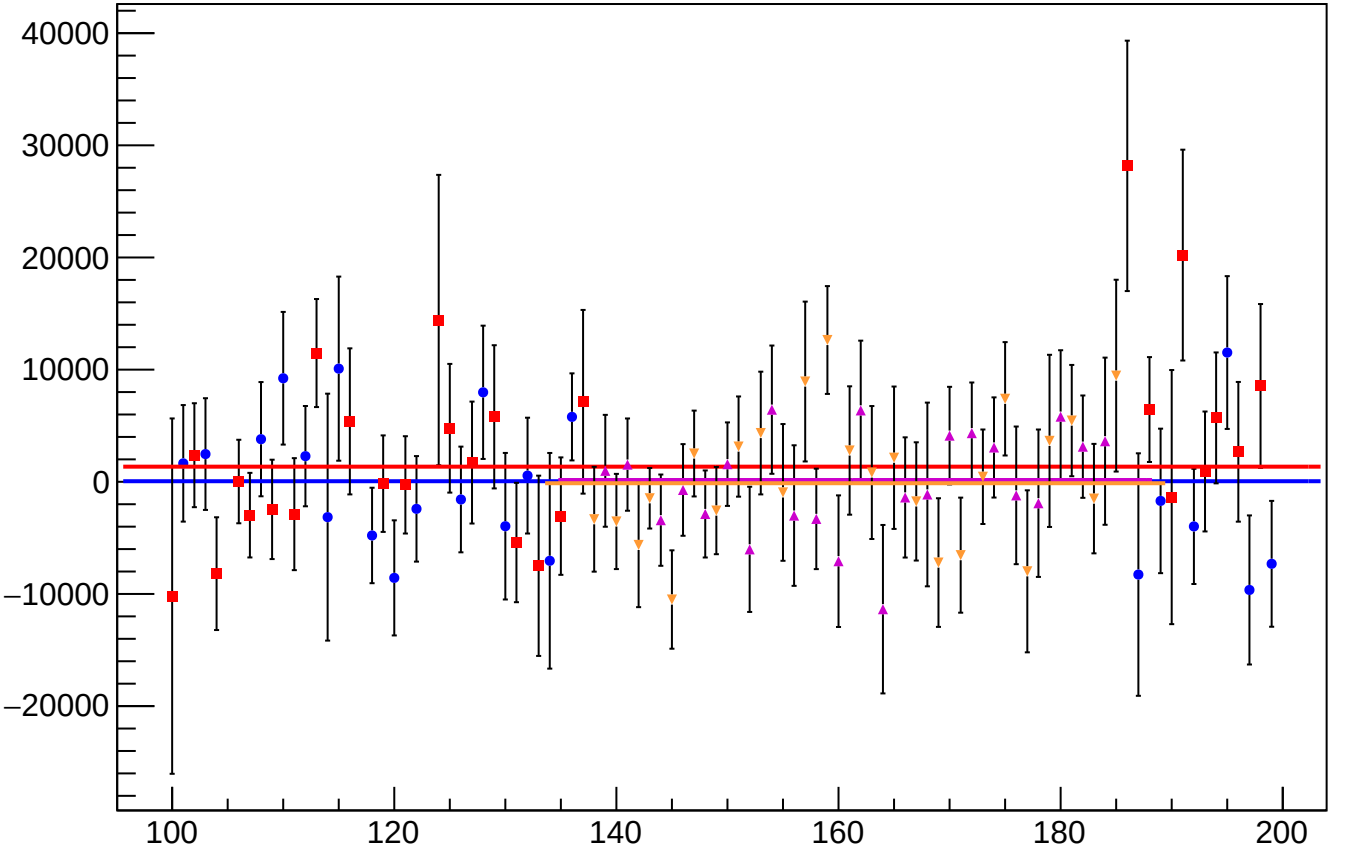
Right: 1308.059+/-0.191 χ^2/NDF: 877836.2/48

In: 1310.840+/-0.170 χ^2/NDF:558204.2/44

Out: 1298.453+/-0.164 χ^2/NDF:597010.9/51

All: 1304.395+/-0.118 χ^2/NDF: 1157963.4/96

asym_at1_avg_at2_avg_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 51.522+/-1183.389 χ^2/NDF: 22.5/21

Left Out: -127.271+/-977.232 χ^2/NDF:28.6/24

Right Out: 1349.002+/-1068.321 χ^2/NDF: 30.7/26

Left In: 159.454+/-1045.511 χ^2/NDF:13.8/22

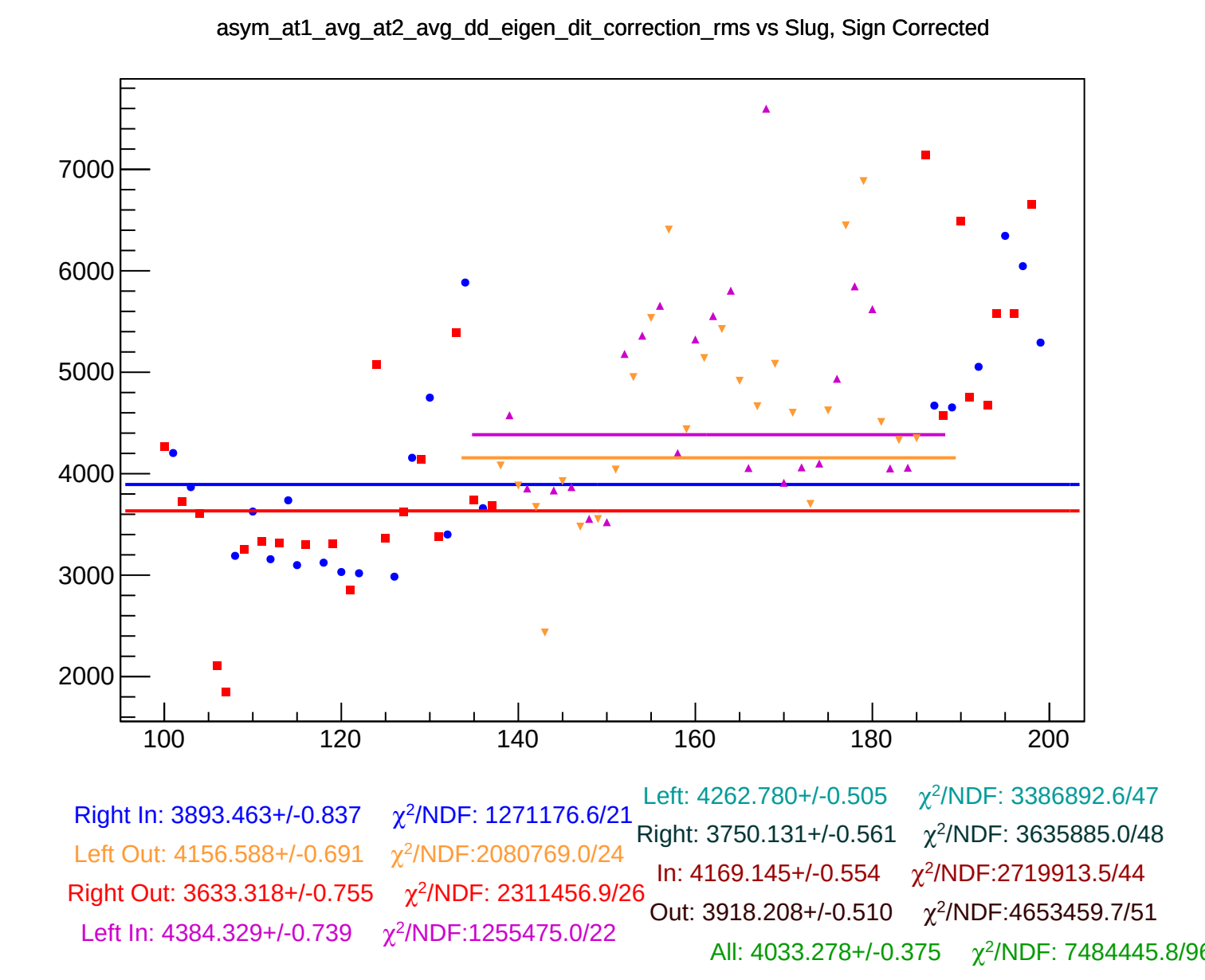
Left: 6.424+/-713.926 χ^2/NDF: 42.4/47

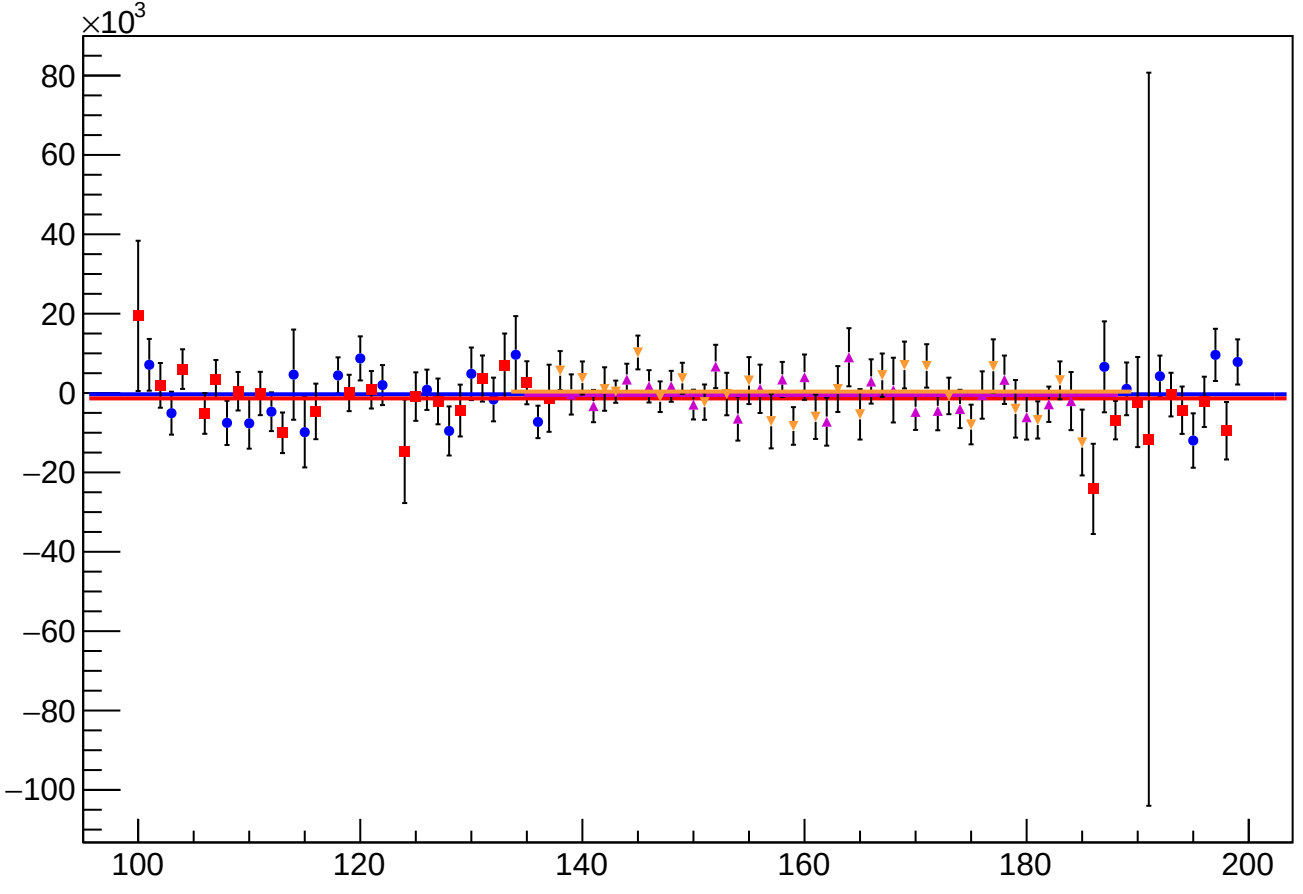
Right: 766.394+/-792.986 χ^2/NDF: 53.8/48

In: 112.139+/-783.522 χ^2/NDF:36.3/44

Out: 545.257+/-721.064 χ^2/NDF:60.3/51

All: 346.647+/-530.578 χ^2/NDF: 96.7/96


asym_at1_avg_at2_avg_dd_eigen_dit_correction_rms vs Slug, Sign Corrected
7000
6000
5000
4000
3000
2000
100
120
140
160
180
200
Right In: 3893.463+/-0.837 χ²/NDF: 1271176.6/21
Left Out: 4156.588+/-0.691 χ²/NDF:2080769.0/24
Right Out: 3633.318+/-0.755 χ²/NDF: 2311456.9/26
Left In: 4384.329+/-0.739 χ²/NDF:1255475.0/22
Left: 4262.780+/-0.505 χ²/NDF: 3386892.6/47
Right: 3750.131+/-0.561 χ²/NDF: 3635885.0/48
In: 4169.145+/-0.554 χ²/NDF:2719913.5/44
Out: 3918.208+/-0.510 χ²/NDF:4653459.7/51
All: 4033.278+/-0.375 χ²/NDF: 7484445.8/96



Right In: -313.427+/-1259.402 χ^2/NDF: 26.5/21

Left Out: 362.528+/-979.860 χ^2/NDF:27.7/24

Right Out: -1352.994+/-1175.781 χ^2/NDF: 19.3/26

Left In: -497.522+/-1044.707 χ^2/NDF:13.9/22

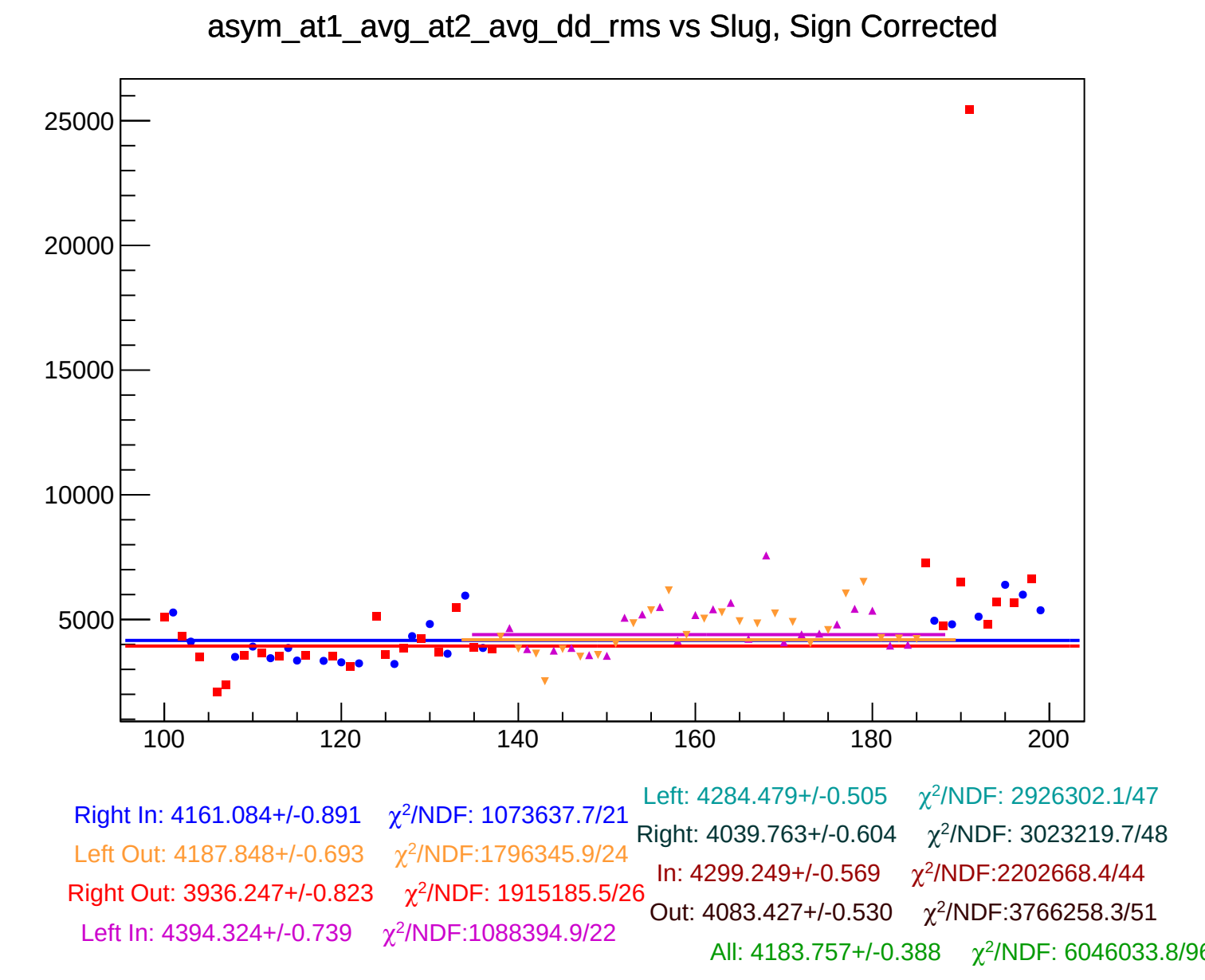
Left: -39.978+/-714.692 χ^2/NDF: 41.9/47

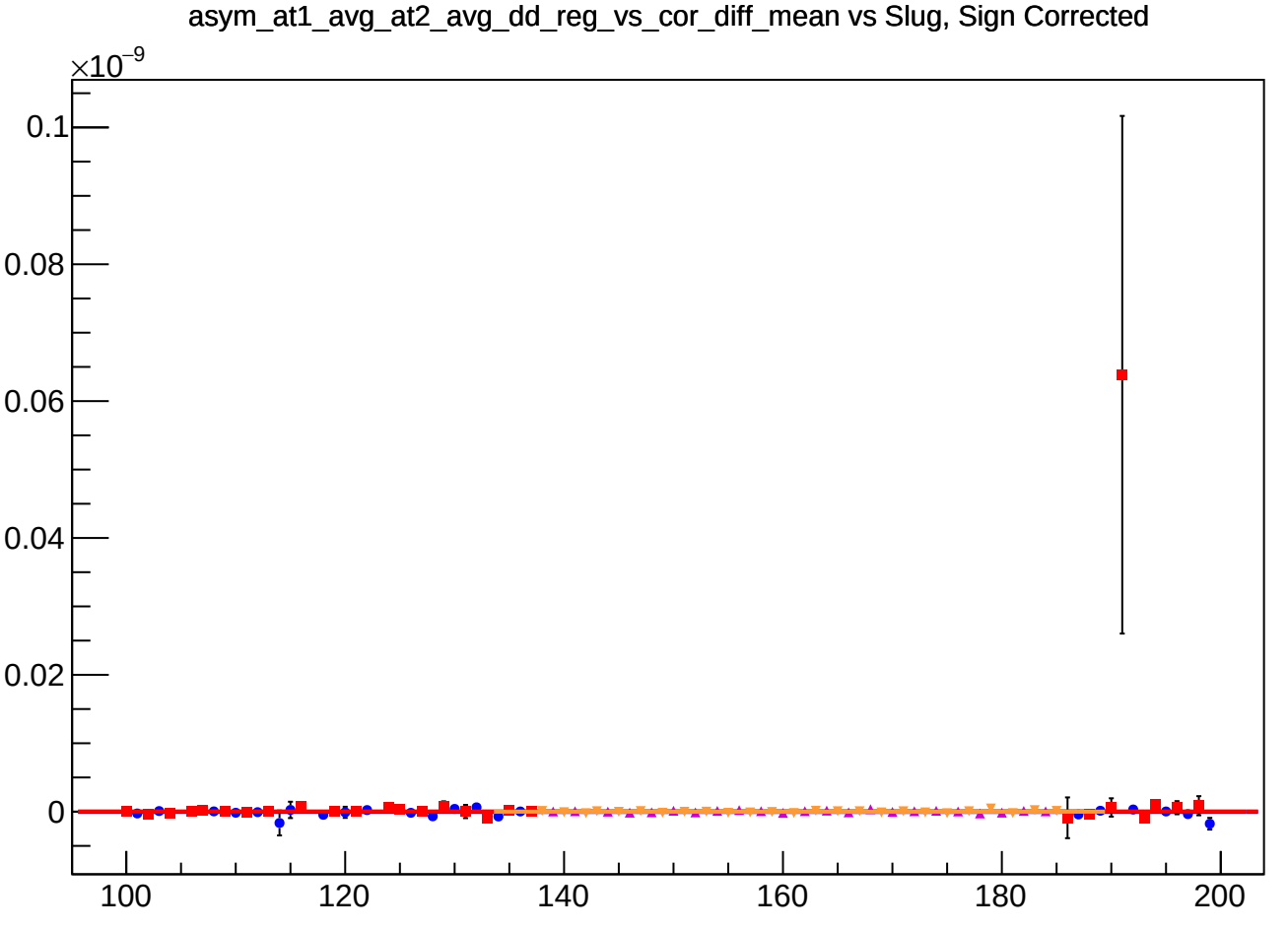
Right: -868.866+/-859.445 χ^2/NDF: 46.1/48

In: -422.481+/-804.069 χ^2/NDF:40.4/44

Out: -340.592+/-752.736 χ^2/NDF:48.2/51

All: -378.839+/-549.517 χ^2/NDF: 88.5/96


asym_at1_avg_at2_avg_dd_rms vs Slug, Sign Corrected
25000
20000
15000
10000
5000
100
120
140
160
180
200
Right In: 4161.084+/-0.891 χ²/NDF: 1073637.7/21
Left Out: 4187.848+/-0.693 χ²/NDF:1796345.9/24
Right Out: 3936.247+/-0.823 χ²/NDF: 1915185.5/26
Left In: 4394.324+/-0.739 χ²/NDF:1088394.9/22
Left: 4284.479+/-0.505 χ²/NDF: 2926302.1/47
Right: 4039.763+/-0.604 χ²/NDF: 3023219.7/48
In: 4299.249+/-0.569 χ²/NDF:2202668.4/44
Out: 4083.427+/-0.530 χ²/NDF:3766258.3/51
All: 4183.757+/-0.388 χ²/NDF: 6046033.8/96



Right In: -0.000+/-0.000 χ^2/NDF: 22.4/21

Left Out: -0.000+/-0.000 χ^2/NDF:30.5/24

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

Left In: 0.000+/-0.000 χ^2/NDF:17.0/22

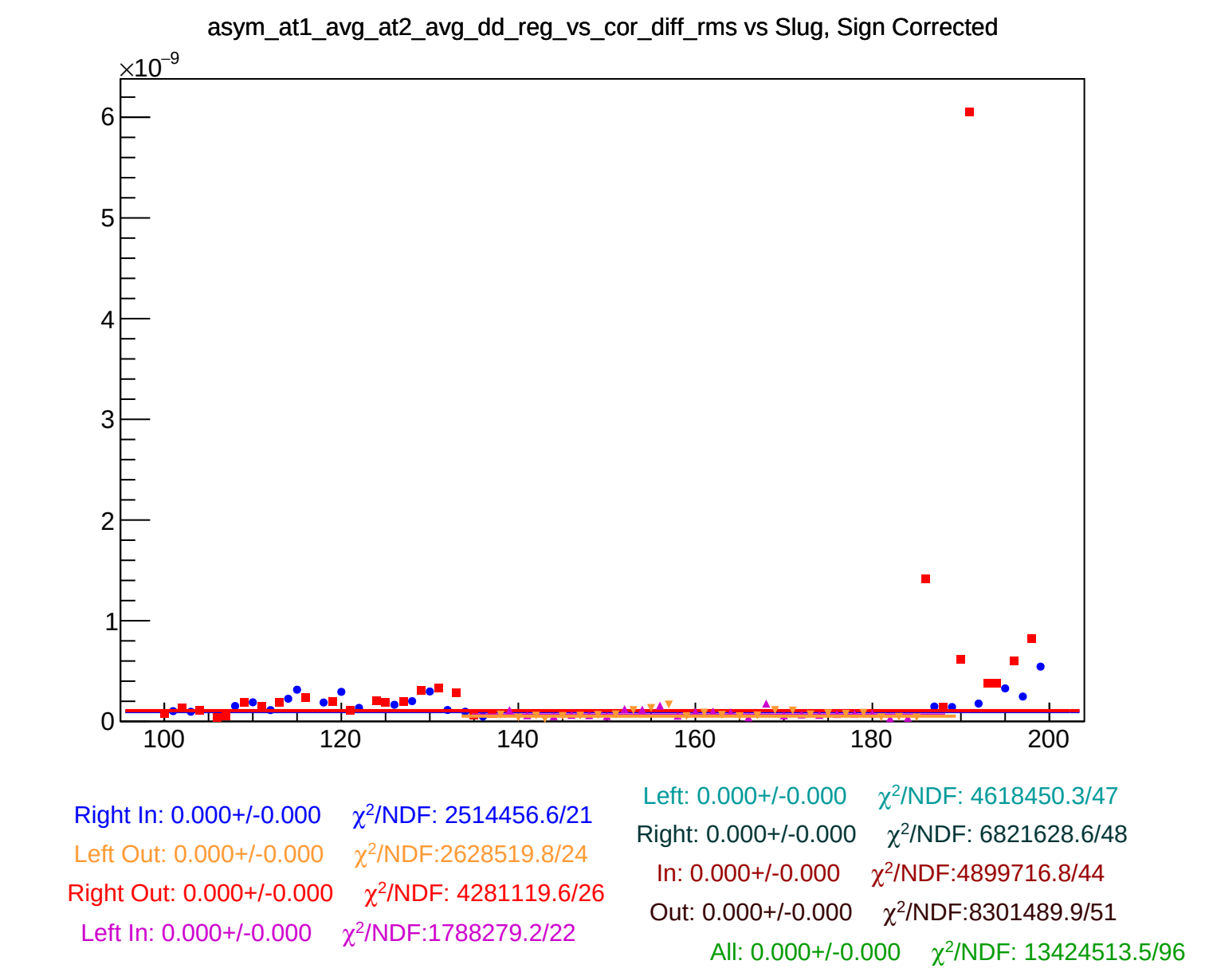
Left: 0.000+/-0.000 χ^2/NDF: 48.0/47

Right: -0.000+/-0.000 χ^2/NDF: 49.9/48

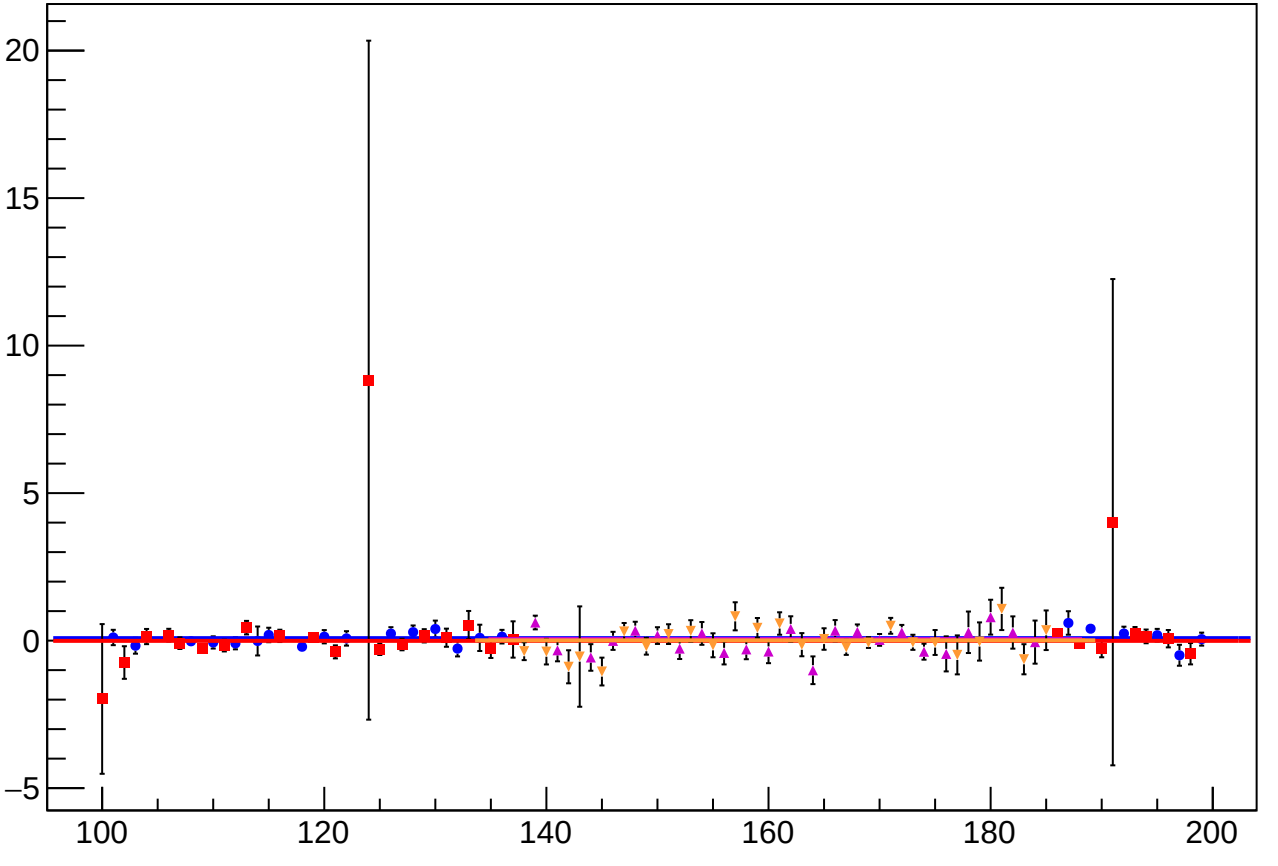
In: 0.000+/-0.000 χ^2/NDF:40.5/44

Out: 0.000+/-0.000 χ^2/NDF:57.3/51

All: 0.000+/-0.000 χ^2/NDF: 98.0/96


asym_at1_avg_at2_avg_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
6
5
4
3
2
1
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 2514456.6/21
Left Out: 0.000+/-0.000 χ²/NDF:2628519.8/24
Right Out: 0.000+/-0.000 χ²/NDF: 4281119.6/26
Left In: 0.000+/-0.000 χ²/NDF:1788279.2/22
Left: 0.000+/-0.000 χ²/NDF: 4618450.3/47
Right: 0.000+/-0.000 χ²/NDF: 6821628.6/48
In: 0.000+/-0.000 χ²/NDF:4899716.8/44
Out: 0.000+/-0.000 χ²/NDF:8301489.9/51
All: 0.000+/-0.000 χ²/NDF: 13424513.5/96

asym_at1_avg_at2_avg_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.084+/-0.049 χ^2/NDF: 19.8/21

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.008+/-0.042 χ^2/NDF: 29.0/26

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

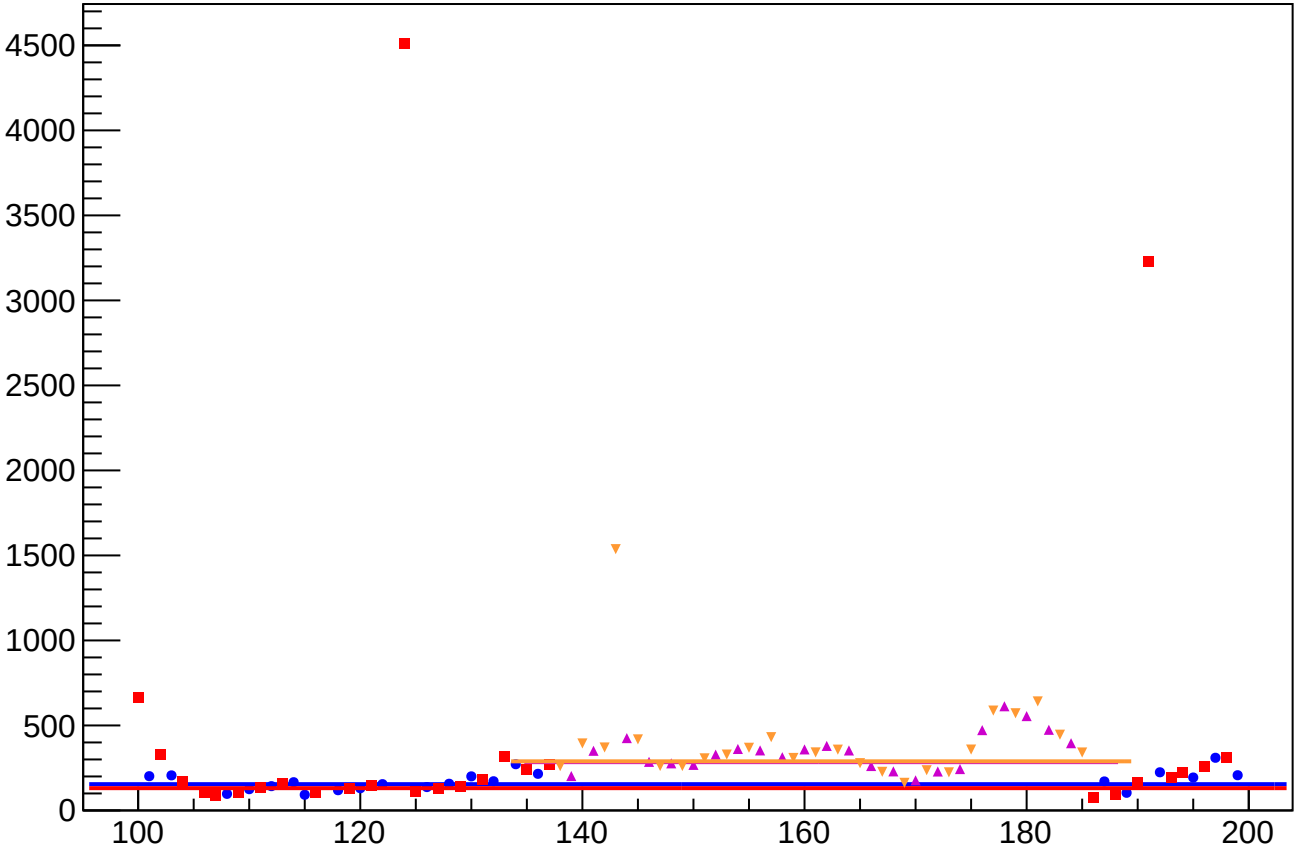
Right: 0.031+/-0.032 χ^2/NDF: 50.9/48

In: 0.074+/-0.040 χ^2/NDF:47.7/44

Out: -0.004+/-0.036 χ^2/NDF:57.9/51

All: 0.031+/-0.027 χ^2/NDF: 107.7/96

asym_at1_avg_at2_avg_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 154.609+/-0.035 χ^2/NDF: 2003104.1/21

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

Right Out: 131.106+/-0.030 χ^2/NDF: 3952543.6/26

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

Left: 286.524+/-0.035 χ^2/NDF: 7730236.9/47

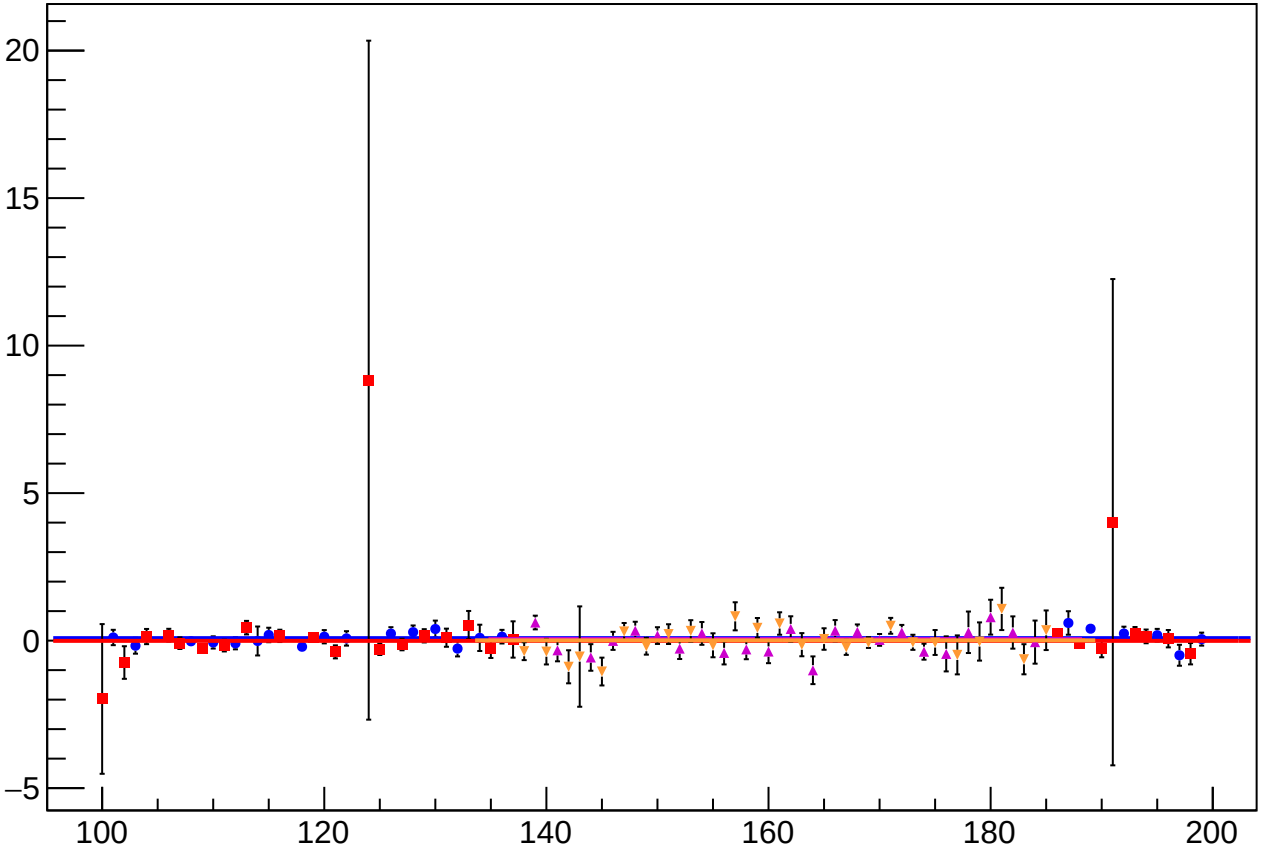
Right: 141.088+/-0.023 χ^2/NDF: 6221725.9/48

In: 196.742+/-0.028 χ^2/NDF:9650826.7/44

Out: 171.993+/-0.026 χ^2/NDF:15918226.6/51

All: 183.073+/-0.019 χ^2/NDF: 25988768.1/96

asym_at1_avg_at2_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.084+/-0.049 χ^2/NDF: 19.8/21

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.008+/-0.042 χ^2/NDF: 29.0/26

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

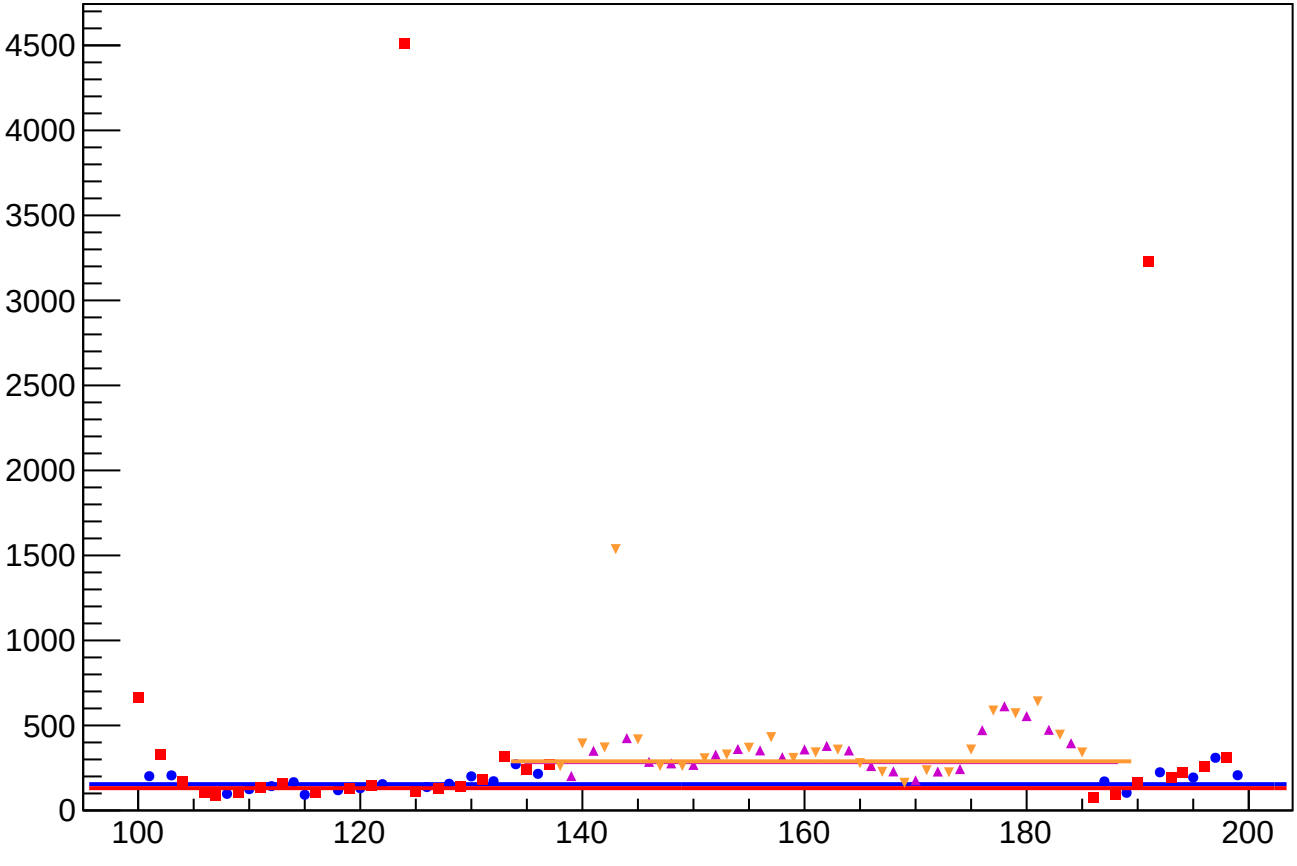
Right: 0.031+/-0.032 χ^2/NDF: 50.9/48

In: 0.074+/-0.040 χ^2/NDF:47.7/44

Out: -0.004+/-0.036 χ^2/NDF:57.9/51

All: 0.031+/-0.027 χ^2/NDF: 107.7/96

asym_at1_avg_at2_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 154.609+/-0.035 χ^2/NDF: 2003104.1/21

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

Right Out: 131.106+/-0.030 χ^2/NDF: 3952543.6/26

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

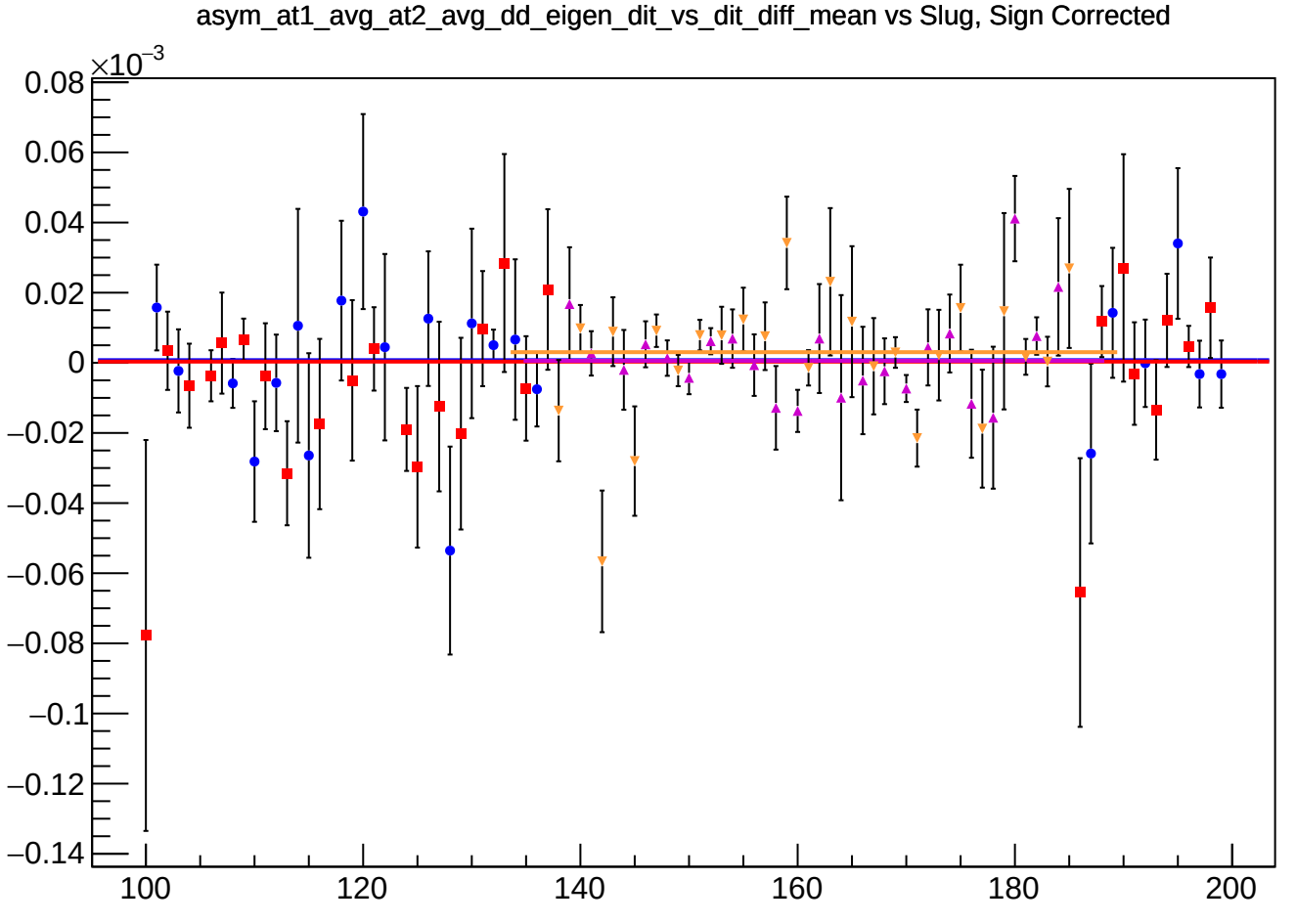
Left: 286.524+/-0.035 χ^2/NDF: 7730236.9/47

Right: 141.088+/-0.023 χ^2/NDF: 6221725.9/48

In: 196.742+/-0.028 χ^2/NDF:9650826.7/44

Out: 171.993+/-0.026 χ^2/NDF:15918226.6/51

All: 183.073+/-0.019 χ^2/NDF: 25988768.1/96



Right In: 0.000+/-0.000 χ^2/NDF: 19.2/21

Left Out: 0.000+/-0.000 χ^2/NDF:42.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 25.1/26

Left In: 0.000+/-0.000 χ^2/NDF:33.2/22

Left: 0.000+/-0.000 χ^2/NDF: 76.7/47

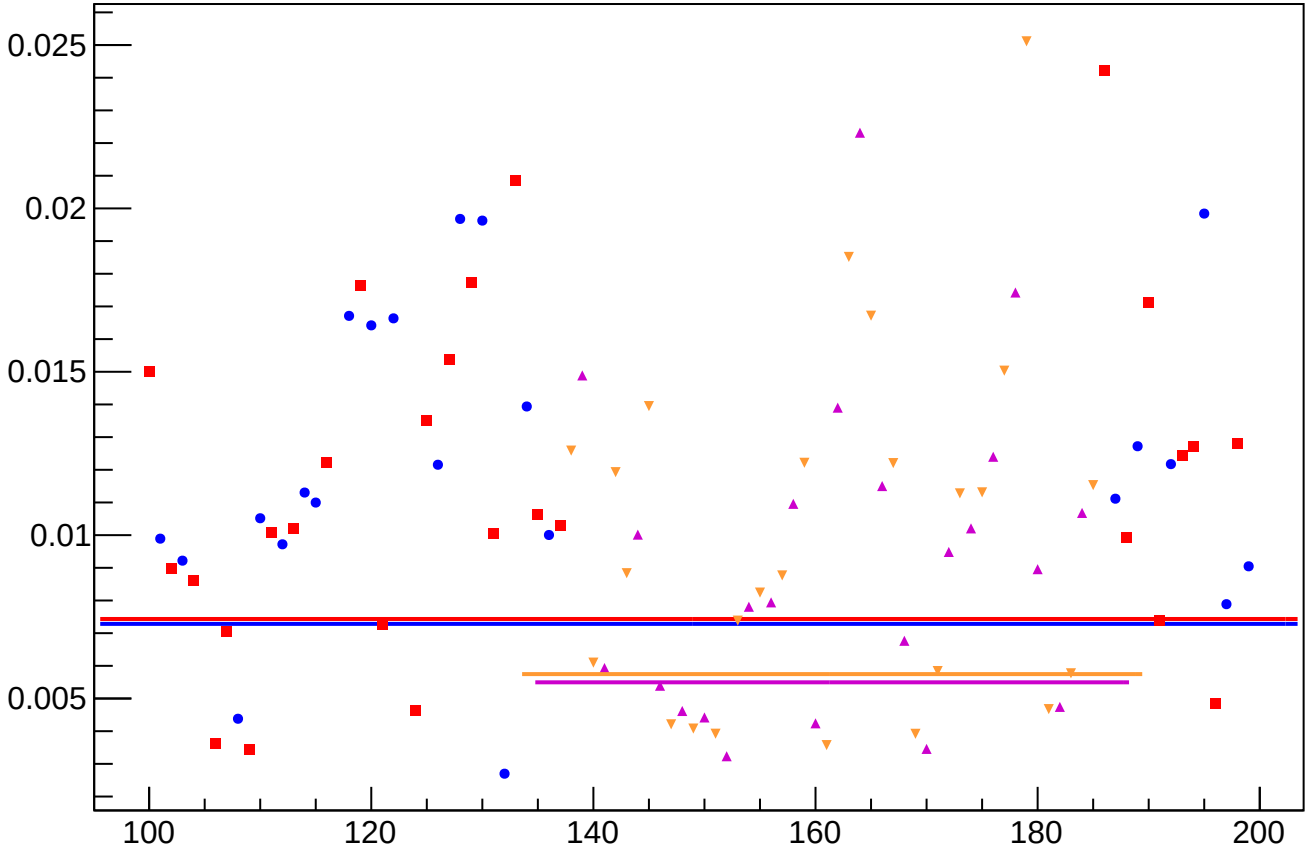
Right: 0.000+/-0.000 χ^2/NDF: 44.3/48

In: 0.000+/-0.000 χ^2/NDF:52.4/44

Out: 0.000+/-0.000 χ^2/NDF:68.2/51

All: 0.000+/-0.000 χ^2/NDF: 121.4/96

asym_at1_avg_at2_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 6117465.6/21

Left Out: 0.006+/-0.000 χ^2/NDF:8128513.8/24

Right Out: 0.007+/-0.000 χ^2/NDF: 5374345.7/26

Left In: 0.005+/-0.000 χ^2/NDF:6937299.0/22

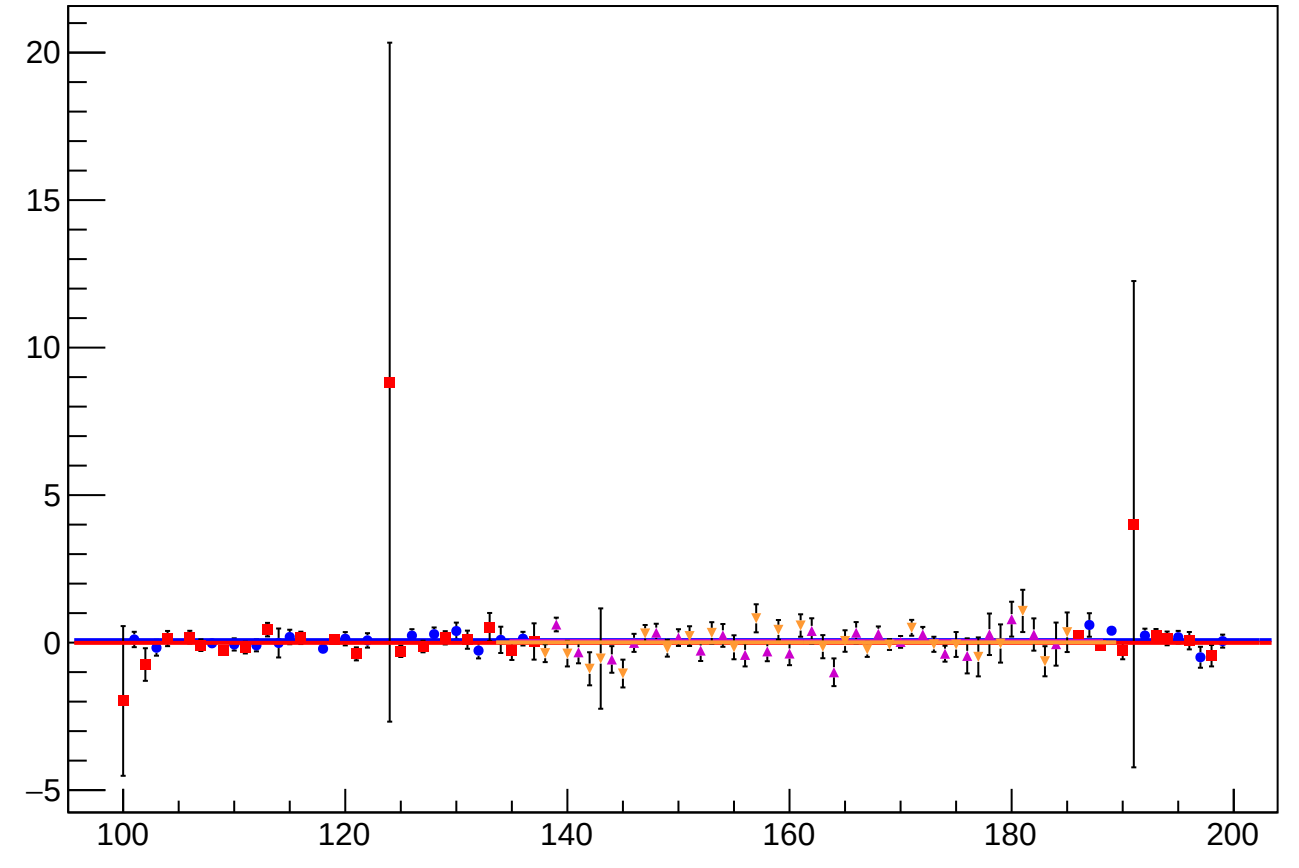
Left: 0.006+/-0.000 χ^2/NDF: 15093250.6/47

Right: 0.007+/-0.000 χ^2/NDF: 11495411.6/48

In: 0.006+/-0.000 χ^2/NDF:13774475.3/44

Out: 0.006+/-0.000 χ^2/NDF:14198612.3/51

All: 0.006+/-0.000 χ^2/NDF: 28015444.1/96



Right In: 0.084+/-0.049 χ^2/NDF: 19.8/21

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.008+/-0.042 χ^2/NDF: 29.0/26

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

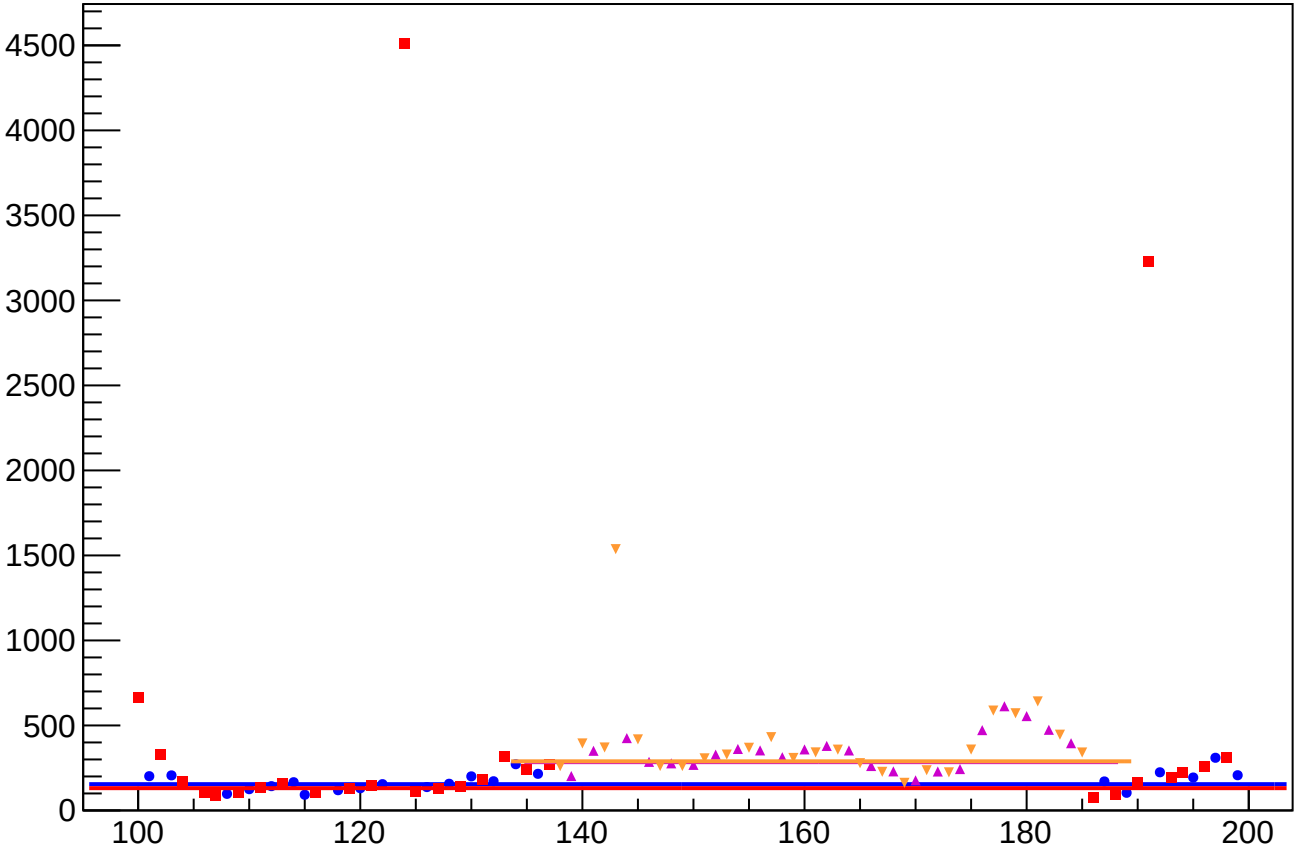
Right: 0.031+/-0.032 χ^2/NDF: 50.9/48

In: 0.074+/-0.040 χ^2/NDF:47.7/44

Out: -0.004+/-0.036 χ^2/NDF:57.9/51

All: 0.031+/-0.027 χ^2/NDF: 107.7/96

asym_at1_avg_at2_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 154.609+/-0.035 χ^2/NDF: 2003087.0/21

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

Right Out: 131.107+/-0.030 χ^2/NDF: 3952371.6/26

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

Left: 286.525+/-0.035 χ^2/NDF: 7730531.8/47

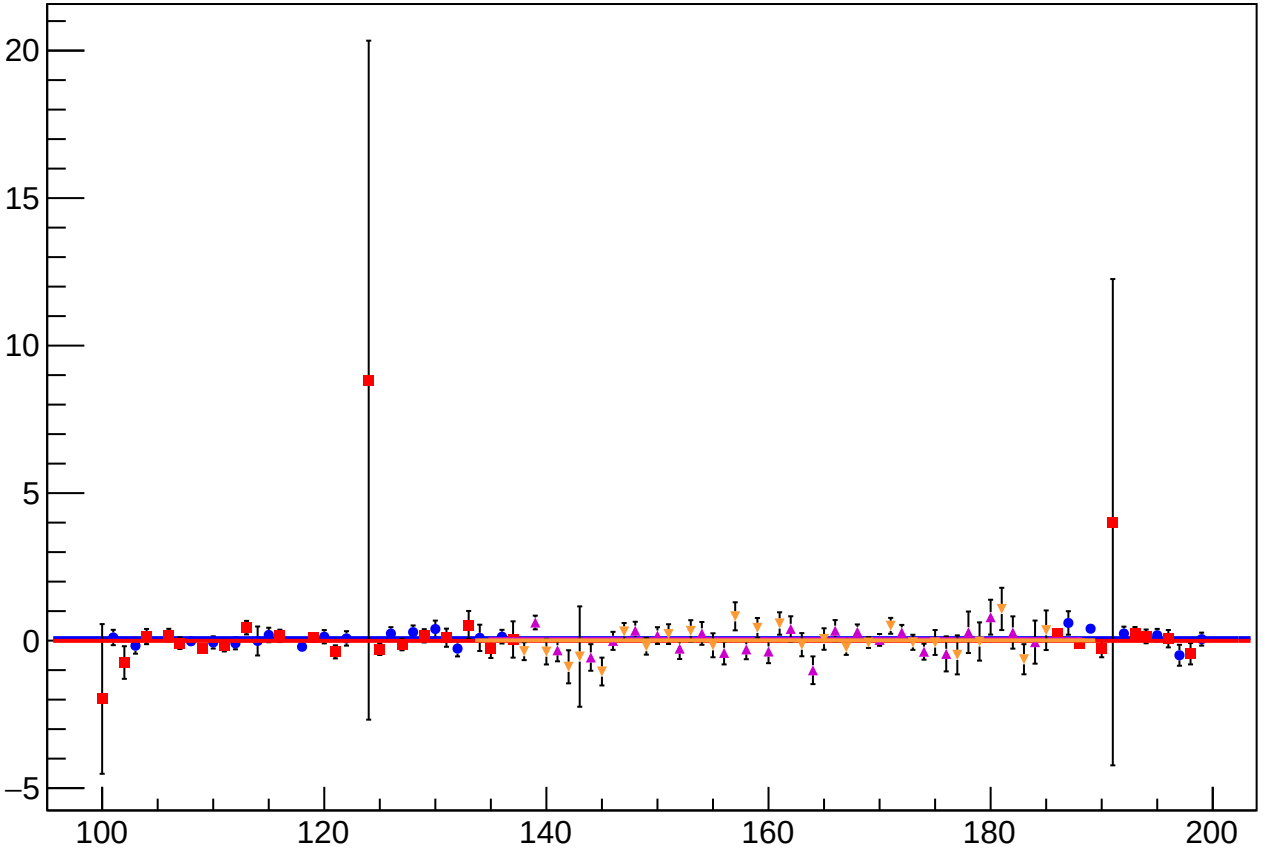
Right: 141.089+/-0.023 χ^2/NDF: 6221483.0/48

In: 196.741+/-0.028 χ^2/NDF:9651030.9/44

Out: 171.995+/-0.026 χ^2/NDF:15918031.3/51

All: 183.074+/-0.019 χ^2/NDF: 25988701.3/96

asym_at1_avg_at2_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.084+/-0.049 χ^2/NDF: 19.8/21

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.008+/-0.042 χ^2/NDF: 29.0/26

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

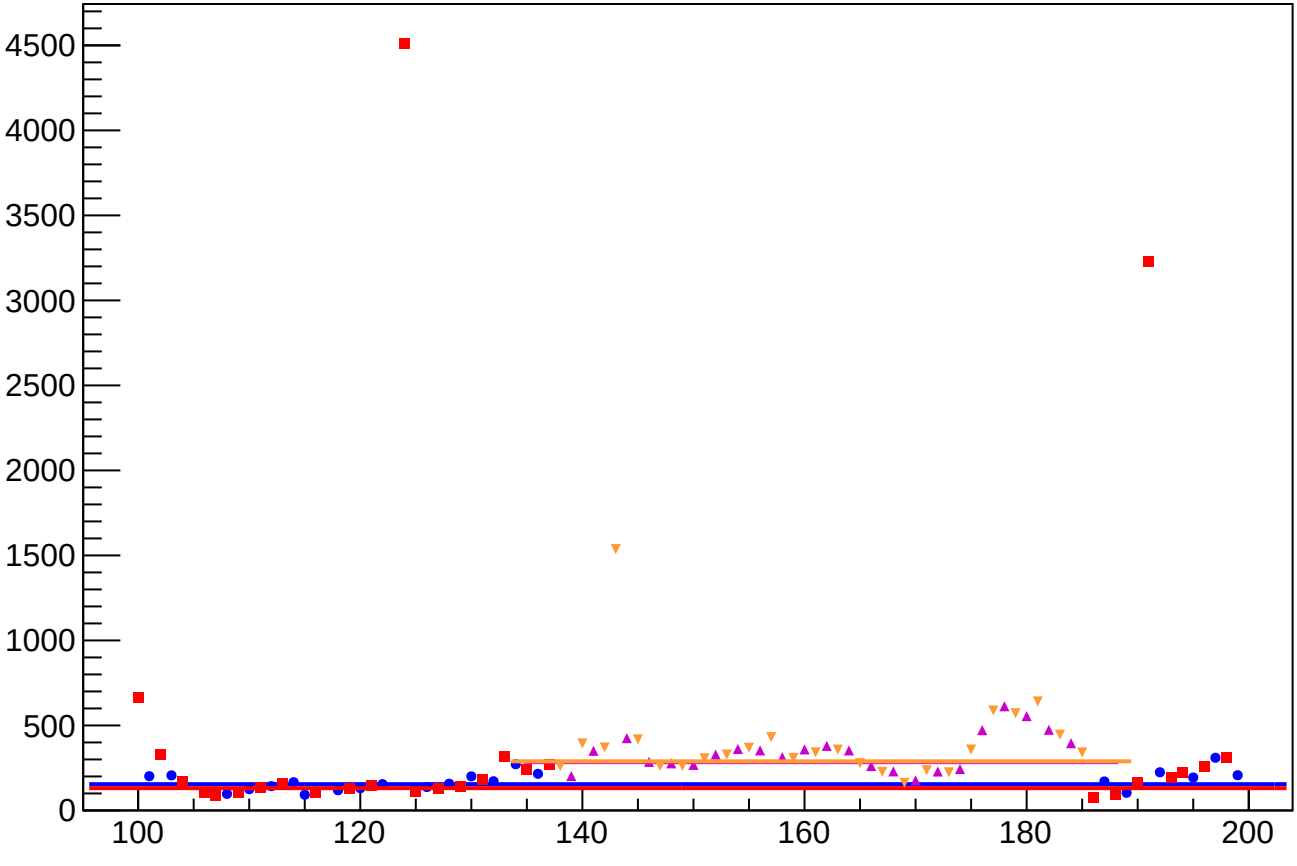
Right: 0.031+/-0.032 χ^2/NDF: 50.9/48

In: 0.074+/-0.040 χ^2/NDF:47.7/44

Out: -0.004+/-0.036 χ^2/NDF:57.9/51

All: 0.031+/-0.027 χ^2/NDF: 107.7/96

asym_at1_avg_at2_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 154.609+/-0.035 χ^2/NDF: 2003087.0/21

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

Right Out: 131.107+/-0.030 χ^2/NDF: 3952371.6/26

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

Left: 286.525+/-0.035 χ^2/NDF: 7730531.8/47

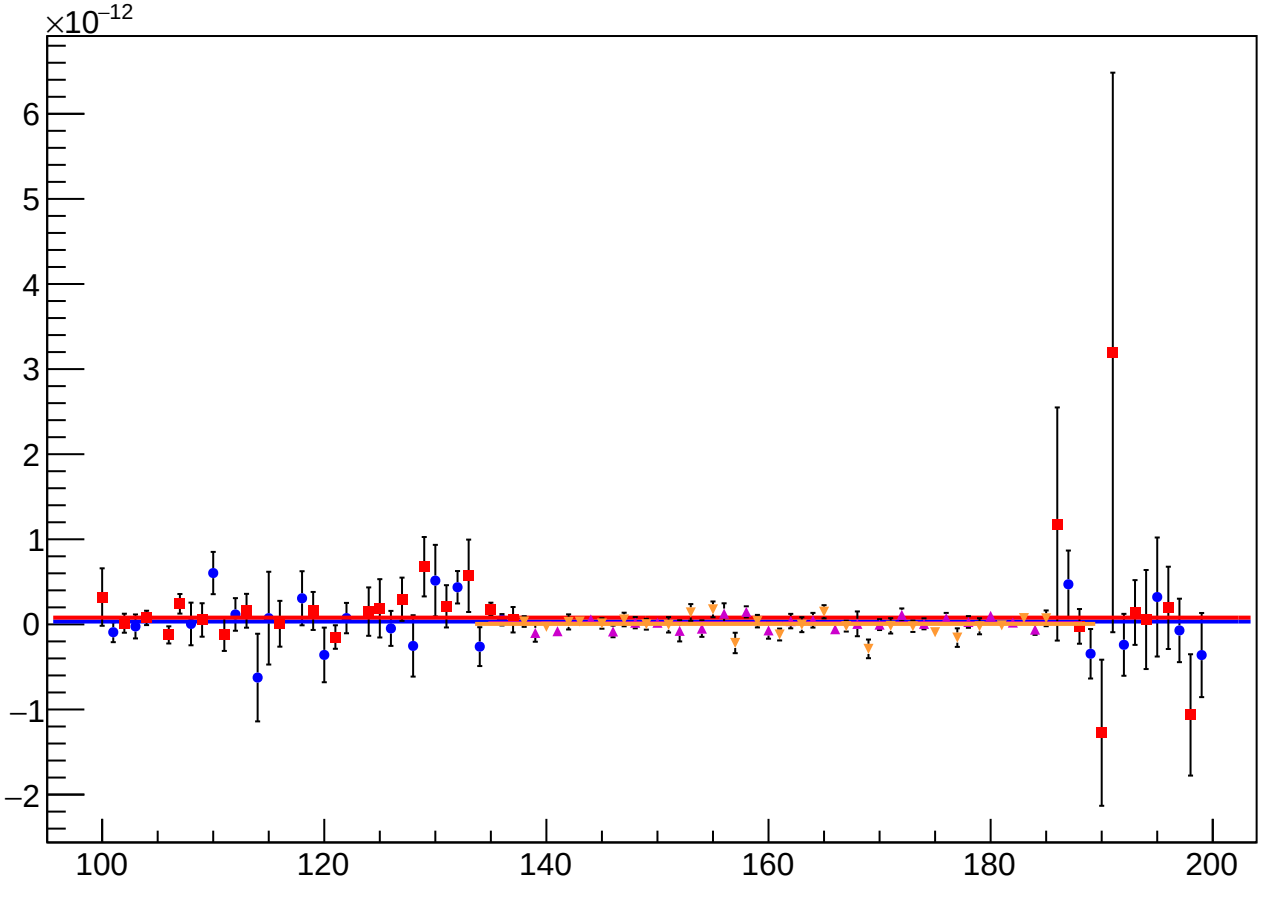
Right: 141.089+/-0.023 χ^2/NDF: 6221483.0/48

In: 196.741+/-0.028 χ^2/NDF:9651030.9/44

Out: 171.995+/-0.026 χ^2/NDF:15918031.3/51

All: 183.074+/-0.019 χ^2/NDF: 25988701.3/96

asym_at1_avg_at2_avg_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 23.4/21

Left Out: 0.000+/-0.000 χ^2/NDF:34.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 25.2/26

Left In: 0.000+/-0.000 χ^2/NDF:23.2/22

Left: 0.000+/-0.000 χ^2/NDF: 57.6/47

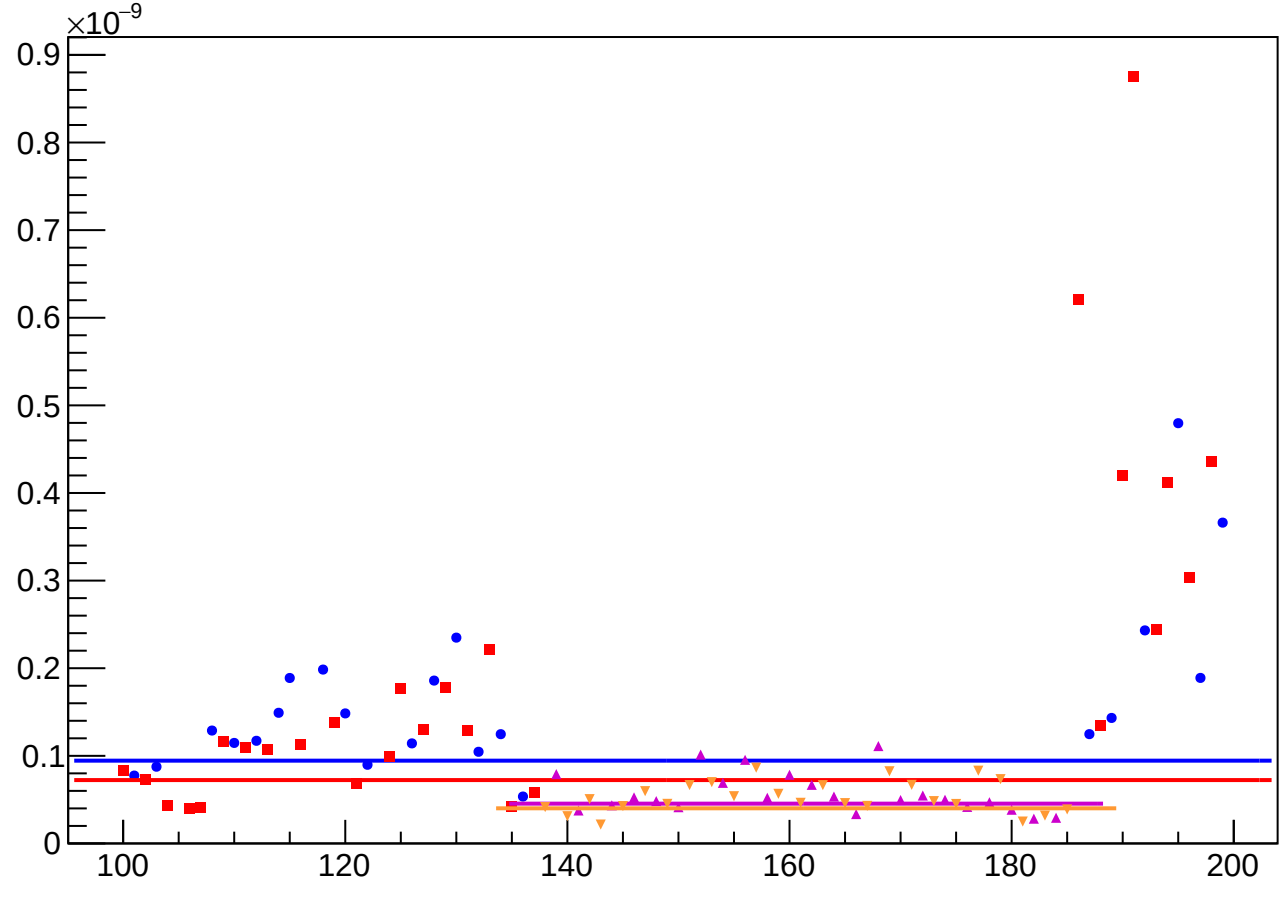
Right: 0.000+/-0.000 χ^2/NDF: 49.3/48

In: 0.000+/-0.000 χ^2/NDF:46.8/44

Out: 0.000+/-0.000 χ^2/NDF:63.6/51

All: 0.000+/-0.000 χ^2/NDF: 110.4/96

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: 3379504.1/21

Left Out: 0.000+/-0.000 χ^2/NDF:3609934.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5262858.4/26

Left In: 0.000+/-0.000 χ^2/NDF:2780344.5/22

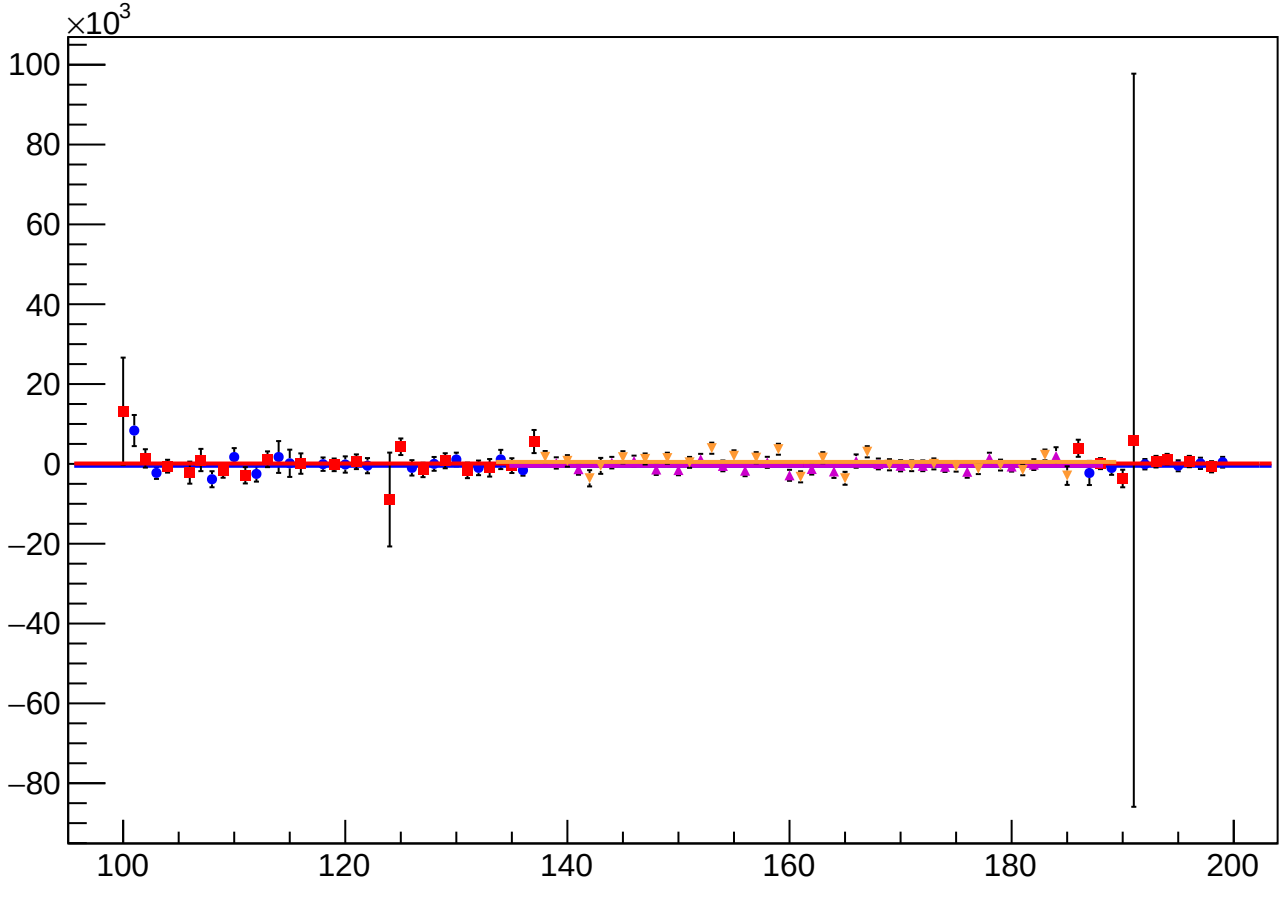
Left: 0.000+/-0.000 χ^2/NDF: 6559252.5/47

Right: 0.000+/-0.000 χ^2/NDF: 8990427.2/48

In: 0.000+/-0.000 χ^2/NDF:8707363.7/44

Out: 0.000+/-0.000 χ^2/NDF:10512283.4/51

All: 0.000+/-0.000 χ^2/NDF: 19484950.3/96



Right In: -476.111+/-383.517 χ^2/NDF: 15.2/21

Left Out: 492.062+/-288.495 χ^2/NDF:46.9/24

Right Out: 94.811+/-372.963 χ^2/NDF: 23.3/26

Left In: -486.821+/-293.769 χ^2/NDF:14.4/22

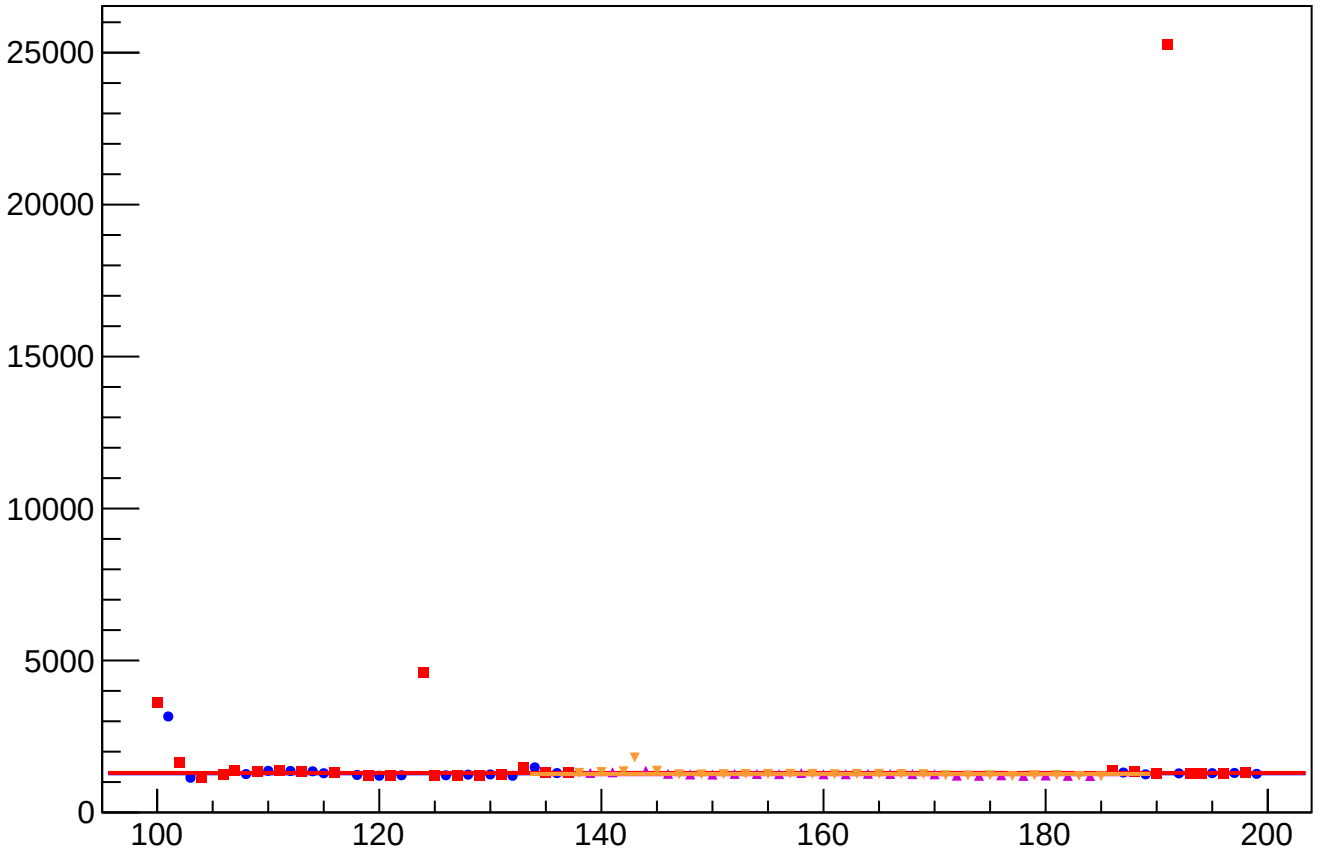
Left: 11.486+/-205.836 χ^2/NDF: 67.0/47

Right: -182.686+/-267.378 χ^2/NDF: 39.6/48

In: -482.861+/-233.213 χ^2/NDF:29.6/44

Out: 343.352+/-228.194 χ^2/NDF:70.9/51

All: -60.768+/-163.103 χ^2/NDF: 106.9/96



Right In: 1287.235+/-0.271 χ^2/NDF: 516109.2/21

Left Out: 1266.967+/-0.204 χ^2/NDF:187545.6/24

Right Out: 1300.666+/-0.263 χ^2/NDF: 465813.1/26

Left In: 1257.551+/-0.208 χ^2/NDF:36816.4/22

Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

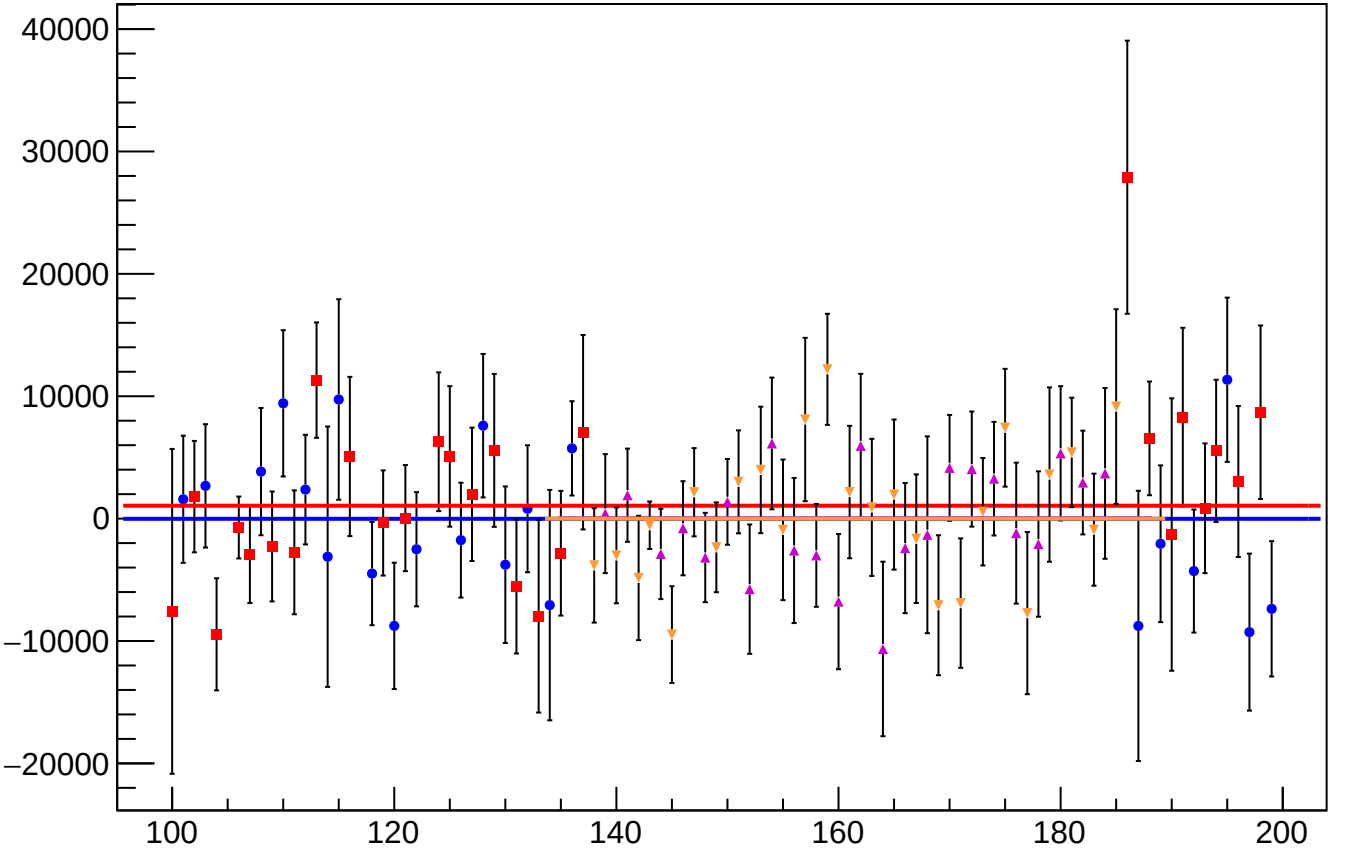
Right: 1294.148+/-0.189 χ^2/NDF: 983184.9/48

In: 1268.528+/-0.165 χ^2/NDF:560476.3/44

Out: 1279.607+/-0.161 χ^2/NDF:663593.6/51

All: 1274.191+/-0.115 χ^2/NDF: 1226377.1/96

asym_atl1r2_dd_atl2r1_dd_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: -14.713+/-1177.908 χ^2/NDF: 22.6/21

Left Out: -0.604+/-886.488 χ^2/NDF:29.1/24

Right Out: 1054.355+/-998.678 χ^2/NDF: 29.5/26

Left In: 31.593+/-995.348 χ^2/NDF:14.0/22

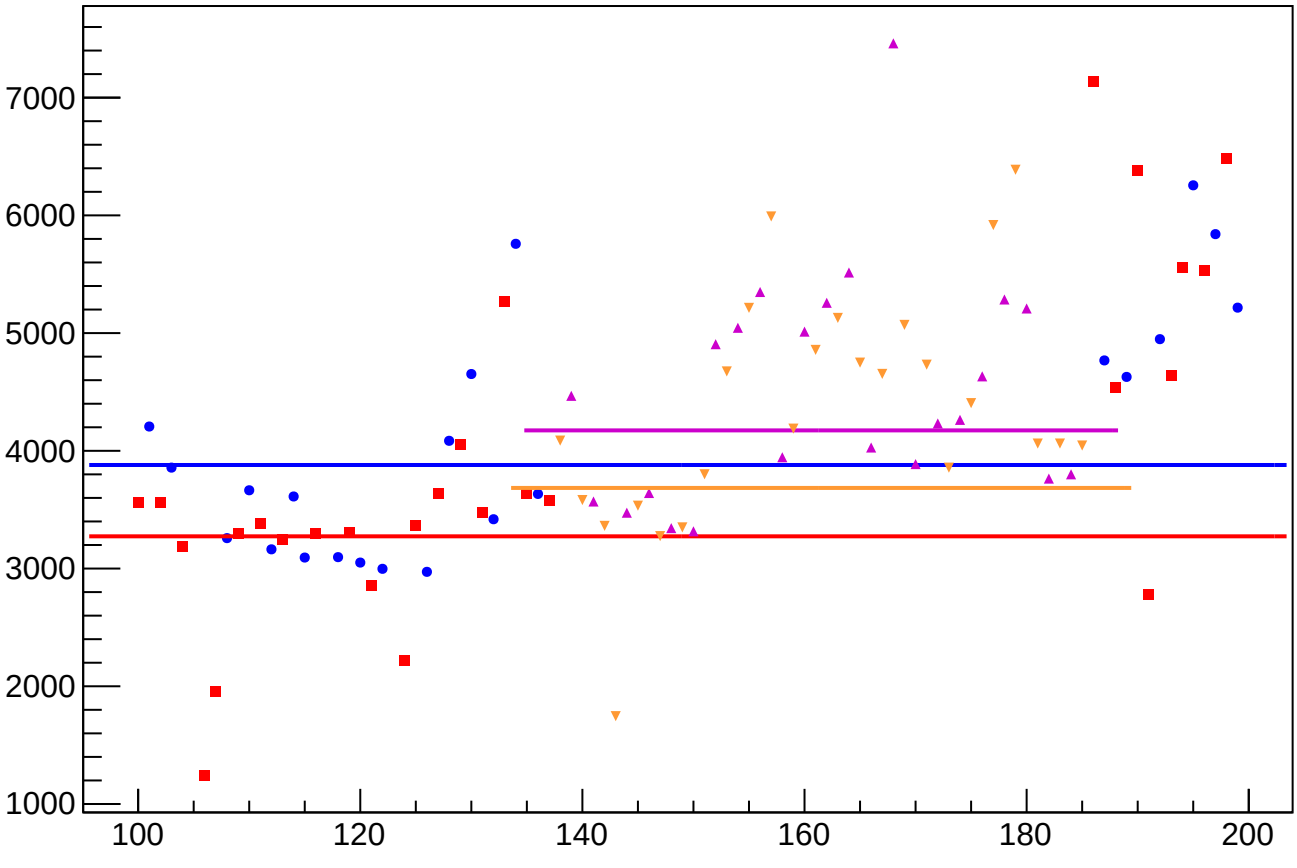
Left: 13.638+/-661.996 χ^2/NDF: 43.1/47

Right: 607.260+/-761.743 χ^2/NDF: 52.6/48

In: 12.302+/-760.262 χ^2/NDF:36.7/44

Out: 464.314+/-662.973 χ^2/NDF:59.2/51

All: 269.063+/-499.672 χ^2/NDF: 96.1/96



Right In: 3879.660+/-0.833 χ^2/NDF: 1196815.7/21

Left Out: 3684.769+/-0.627 χ^2/NDF:3693646.6/24

Right Out: 3273.733+/-0.706 χ^2/NDF: 3466611.3/26

Left In: 4173.556+/-0.704 χ^2/NDF:1274968.4/22

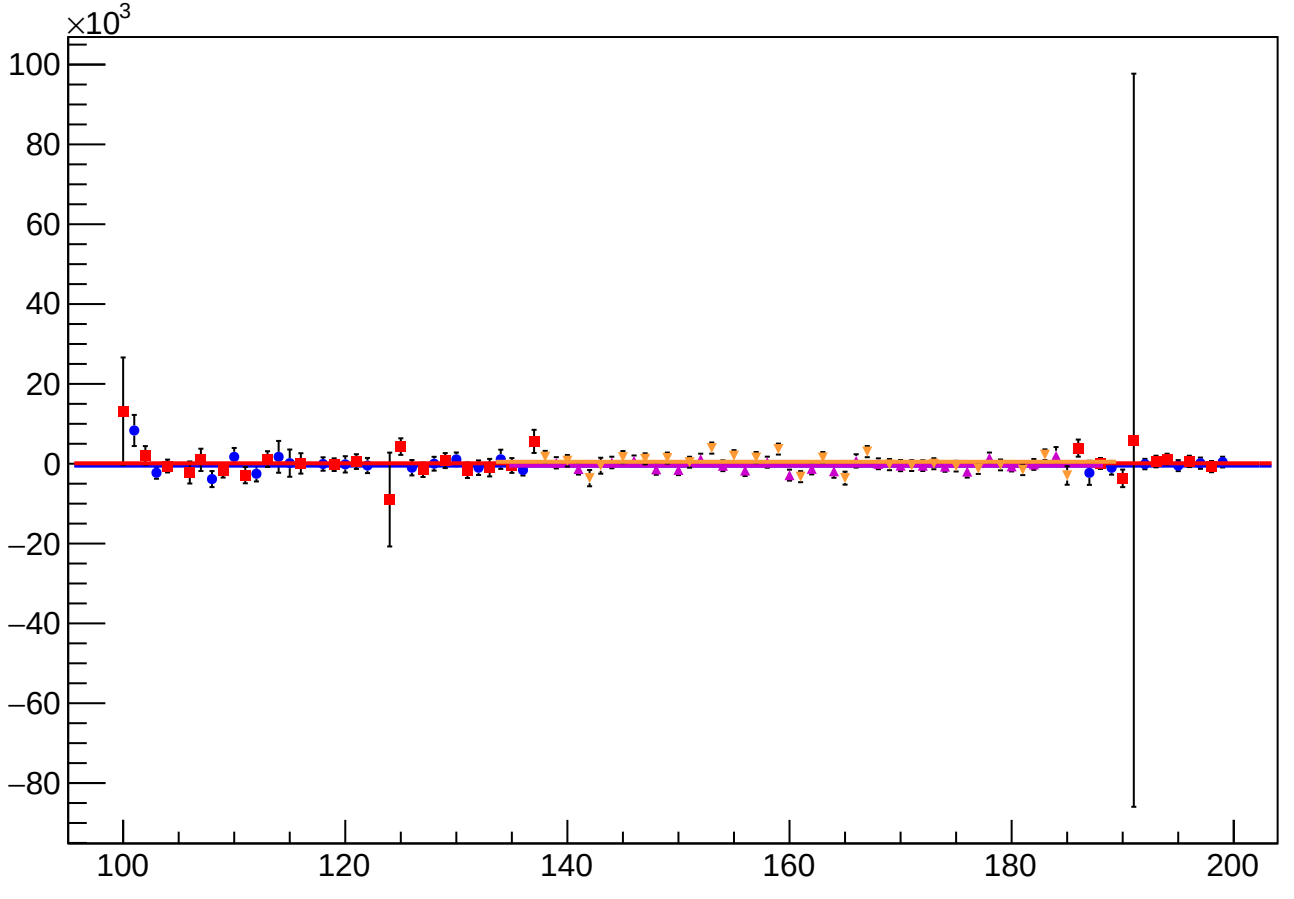
Left: 3900.981+/-0.468 χ^2/NDF: 5237573.9/47

Right: 3527.137+/-0.539 χ^2/NDF: 4971330.9/48

In: 4051.123+/-0.538 χ^2/NDF:2544423.5/44

Out: 3503.626+/-0.469 χ^2/NDF:7349747.5/51

All: 3740.123+/-0.353 χ^2/NDF: 10483348.5/9



Right In: -476.330+/-383.517 χ^2/NDF: 15.1/21

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: 111.879+/-373.108 χ^2/NDF: 23.7/26

Left In: -486.720+/-293.769 χ^2/NDF:14.4/22

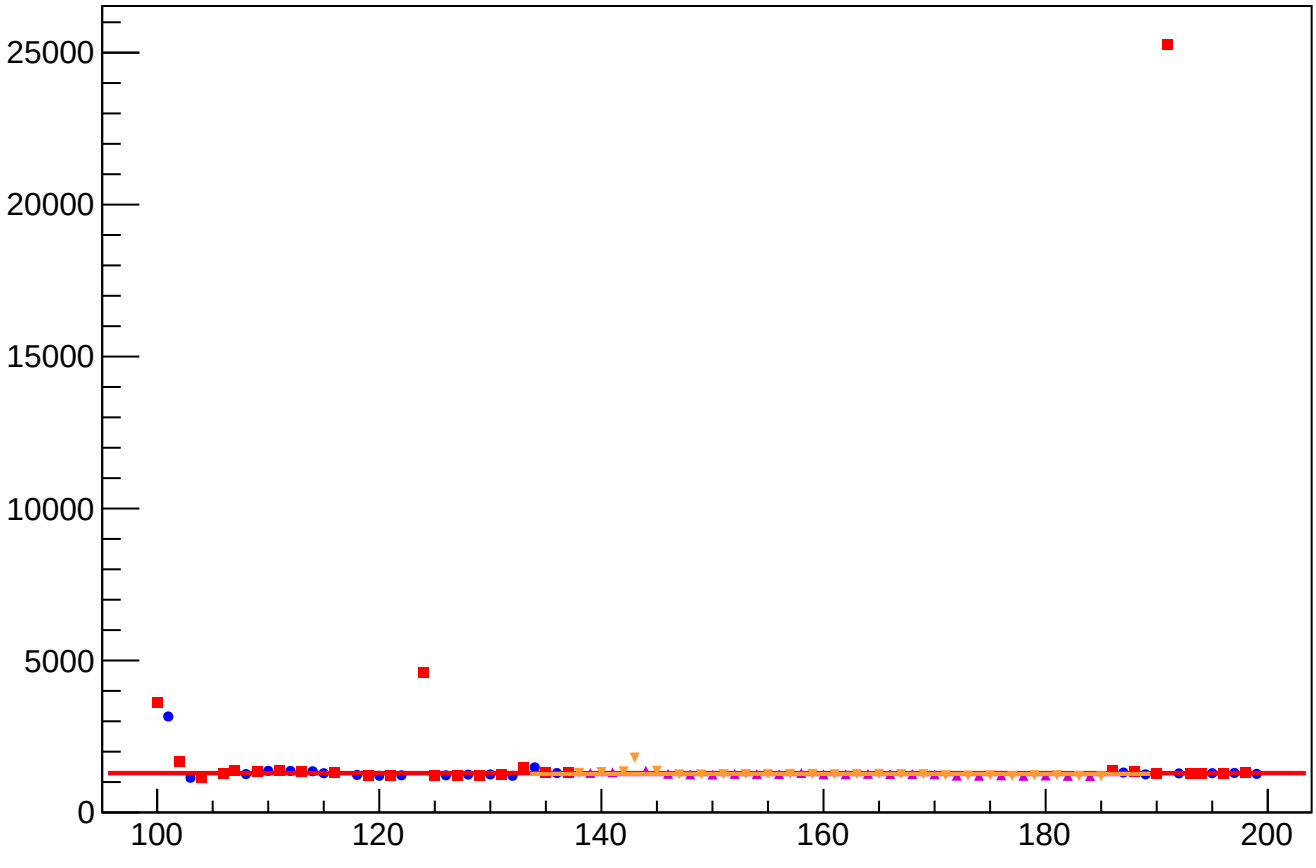
Left: 11.544+/-205.836 χ^2/NDF: 67.0/47

Right: -174.134+/-267.431 χ^2/NDF: 40.1/48

In: -482.878+/-233.213 χ^2/NDF:29.6/44

Out: 349.820+/-228.227 χ^2/NDF:71.3/51

All: -57.532+/-163.115 χ^2/NDF: 107.3/96



Right In: 1287.235+/-0.271 χ^2/NDF: 516110.7/21

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

Right Out: 1301.856+/-0.264 χ^2/NDF: 472291.3/26

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

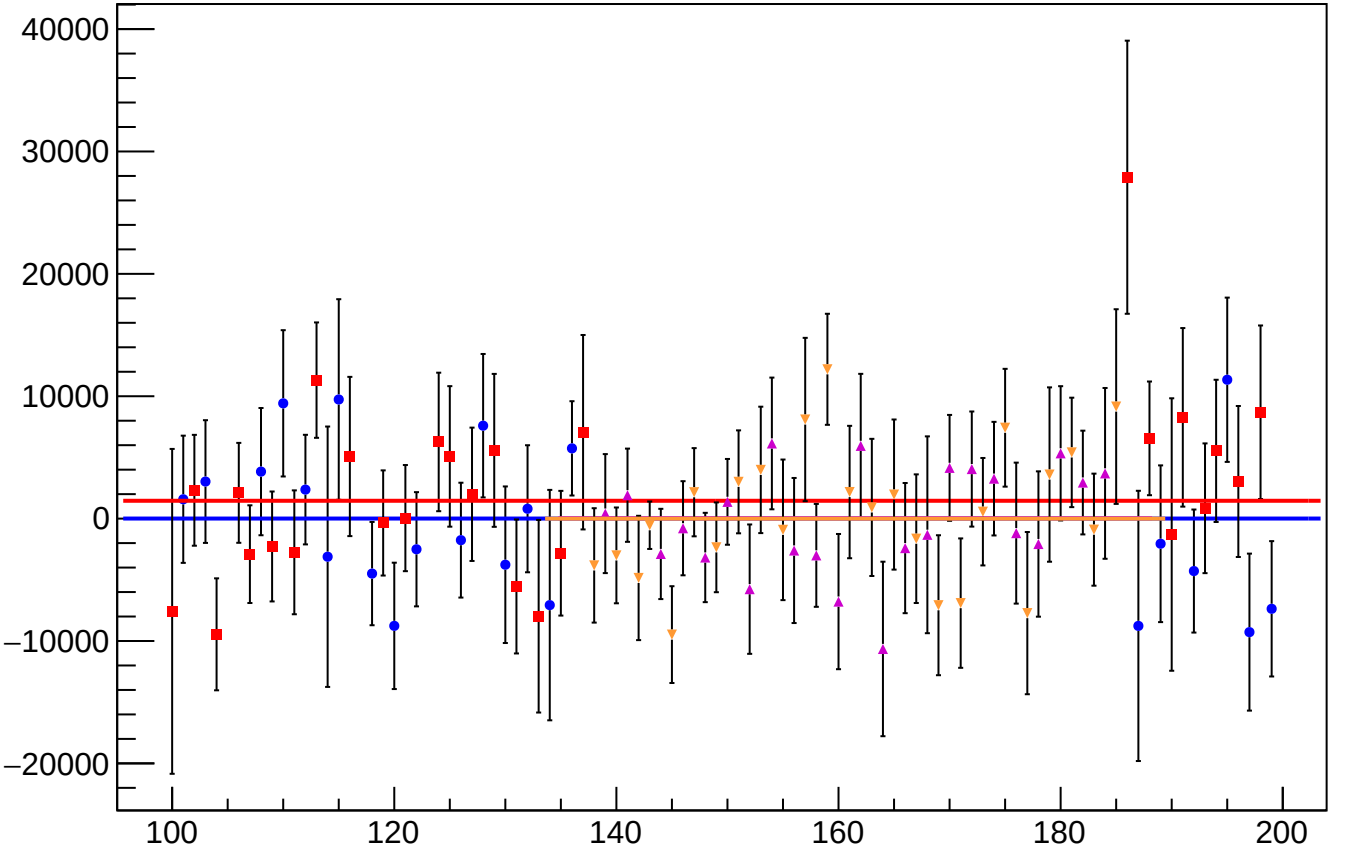
Right: 1294.755+/-0.189 χ^2/NDF: 989897.1/48

In: 1268.528+/-0.165 χ^2/NDF:560477.6/44

Out: 1280.040+/-0.161 χ^2/NDF:670796.3/51

All: 1274.410+/-0.115 χ^2/NDF: 1233764.2/96

asym_atl1r2_dd_atl2r1_dd_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: 6.097+/-1177.588 χ^2/NDF: 22.7/21

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

Right Out: 1458.117+/-1050.045 χ^2/NDF: 29.0/26

Left In: 31.597+/-995.347 χ^2/NDF:14.0/22

Left: 13.675+/-661.996 χ^2/NDF: 43.1/47

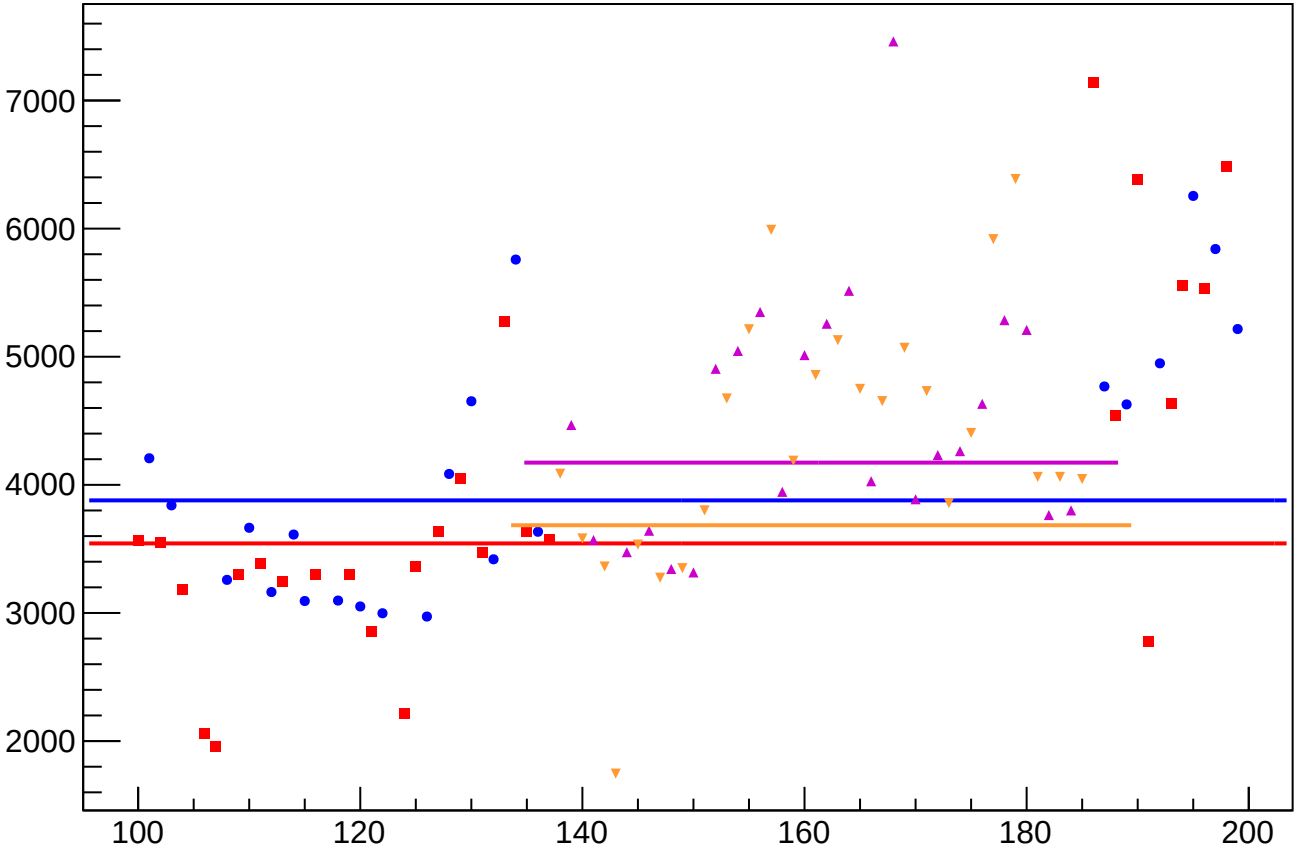
Right: 814.971+/-783.722 χ^2/NDF: 52.5/48

In: 20.971+/-760.176 χ^2/NDF:36.8/44

Out: 606.464+/-677.372 χ^2/NDF:59.1/51

All: 347.331+/-505.725 χ^2/NDF: 96.2/96

asym_atl1r2_dd_atl2r1_dd_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 3878.737+/-0.833 χ^2/NDF: 1196957.8/21

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

Right Out: 3542.906+/-0.742 χ^2/NDF: 2220097.4/26

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

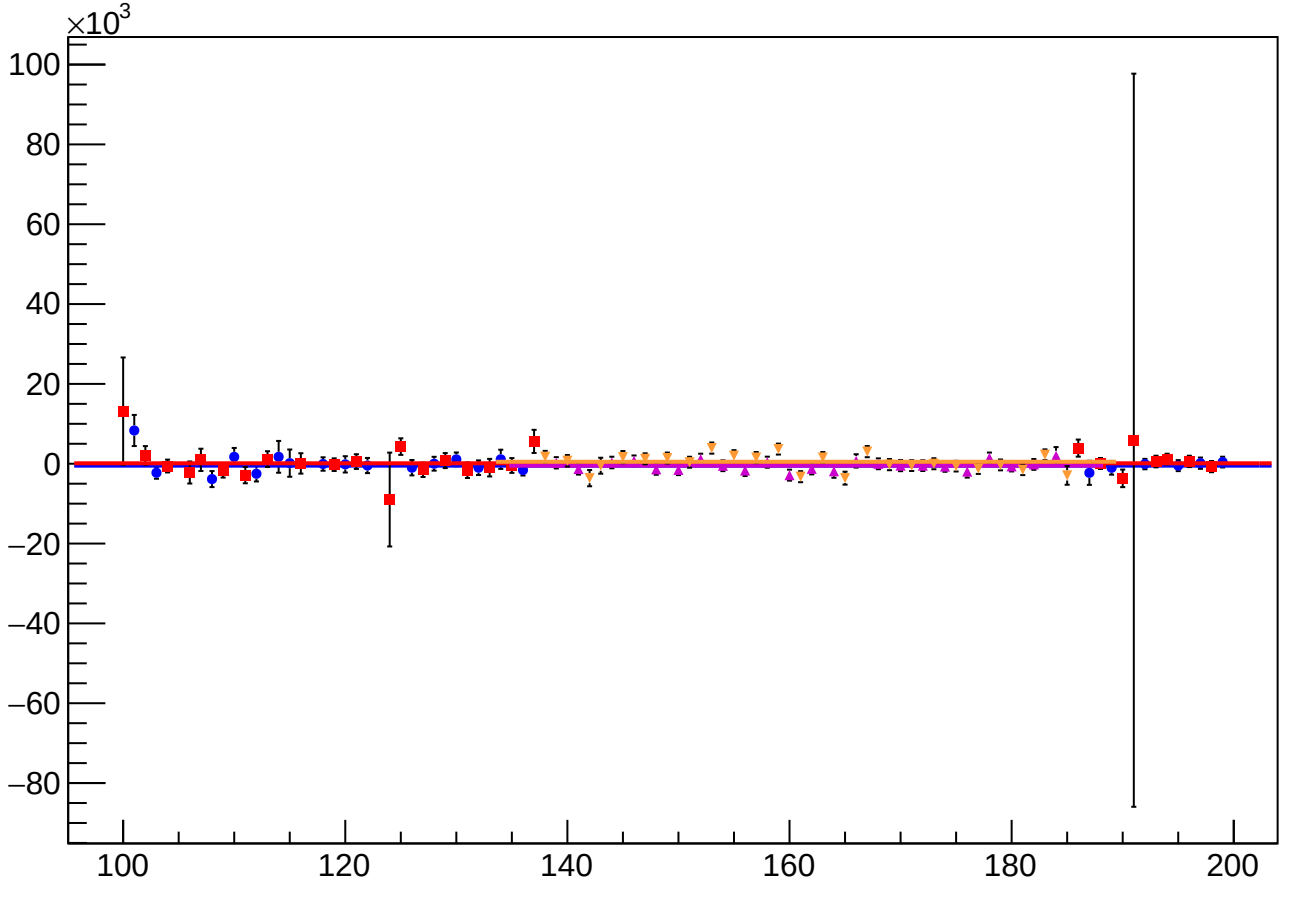
Left: 3900.975+/-0.468 χ^2/NDF: 5237615.0/47

Right: 3691.656+/-0.554 χ^2/NDF: 3507668.7/48

In: 4050.696+/-0.538 χ^2/NDF:2545041.8/44

Out: 3625.730+/-0.479 χ^2/NDF:5935096.3/51

All: 3813.816+/-0.358 χ^2/NDF: 8828544.6/96



Right In: -476.330+/-383.517 χ^2/NDF: 15.1/21

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: 111.879+/-373.108 χ^2/NDF: 23.7/26

Left In: -486.720+/-293.769 χ^2/NDF:14.4/22

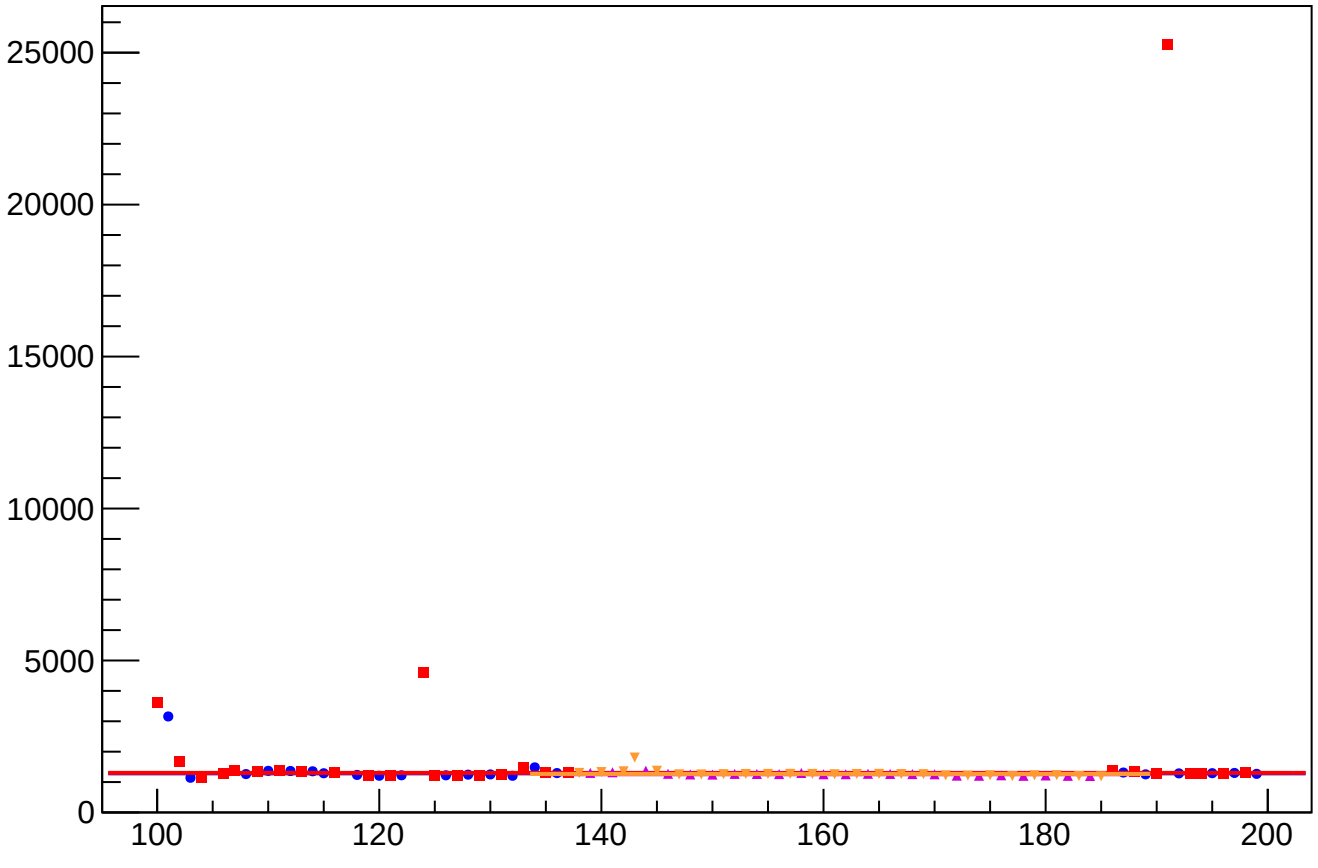
Left: 11.544+/-205.836 χ^2/NDF: 67.0/47

Right: -174.134+/-267.431 χ^2/NDF: 40.1/48

In: -482.878+/-233.213 χ^2/NDF:29.6/44

Out: 349.820+/-228.227 χ^2/NDF:71.3/51

All: -57.532+/-163.115 χ^2/NDF: 107.3/96



Right In: 1287.235+/-0.271 χ^2/NDF: 516110.7/21

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

Right Out: 1301.856+/-0.264 χ^2/NDF: 472291.3/26

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

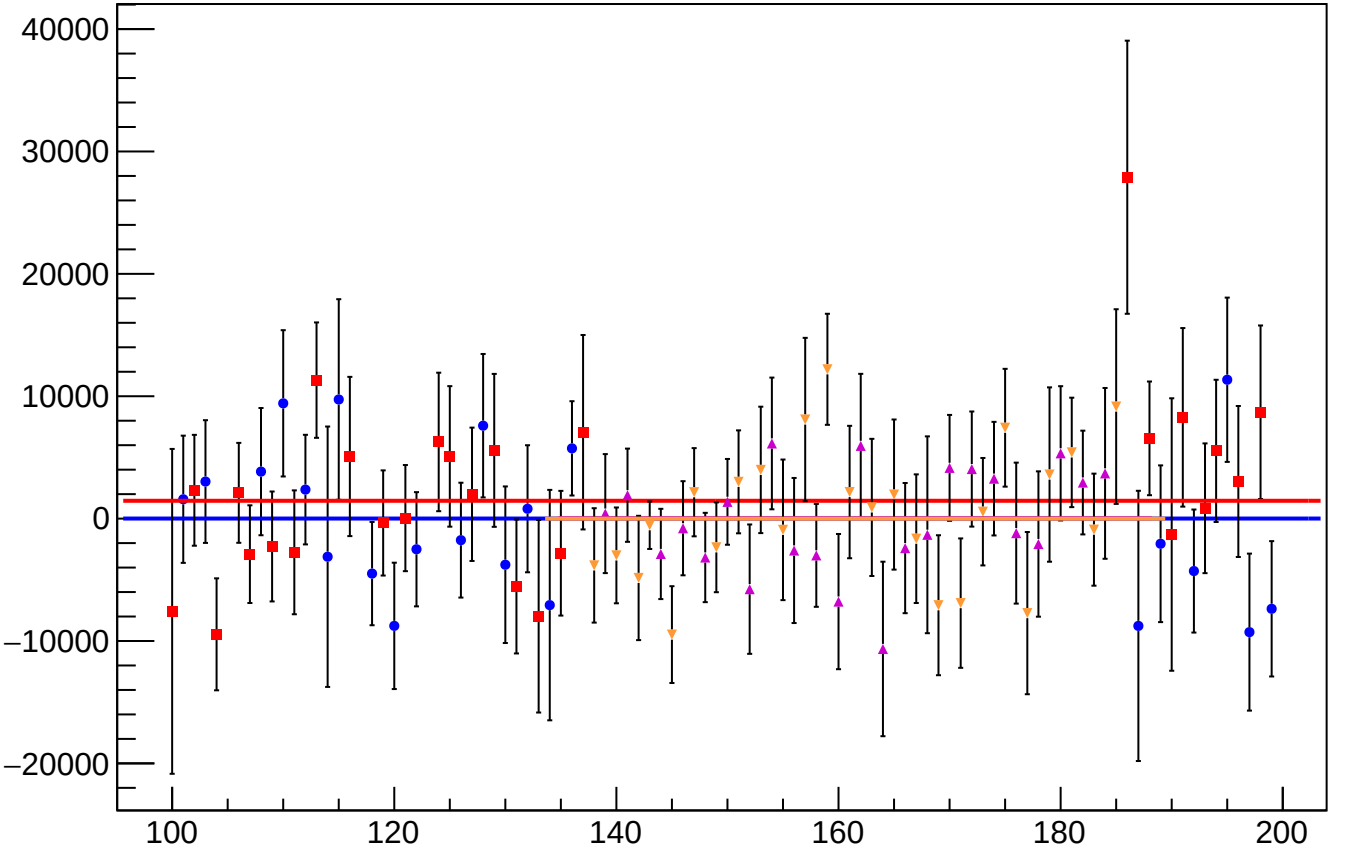
Right: 1294.755+/-0.189 χ^2/NDF: 989897.1/48

In: 1268.528+/-0.165 χ^2/NDF:560477.6/44

Out: 1280.040+/-0.161 χ^2/NDF:670796.3/51

All: 1274.410+/-0.115 χ^2/NDF: 1233764.2/96

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 6.097+/-1177.588 χ^2/NDF: 22.7/21

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

Right Out: 1458.117+/-1050.045 χ^2/NDF: 29.0/26

Left In: 31.597+/-995.347 χ^2/NDF:14.0/22

Left: 13.675+/-661.996 χ^2/NDF: 43.1/47

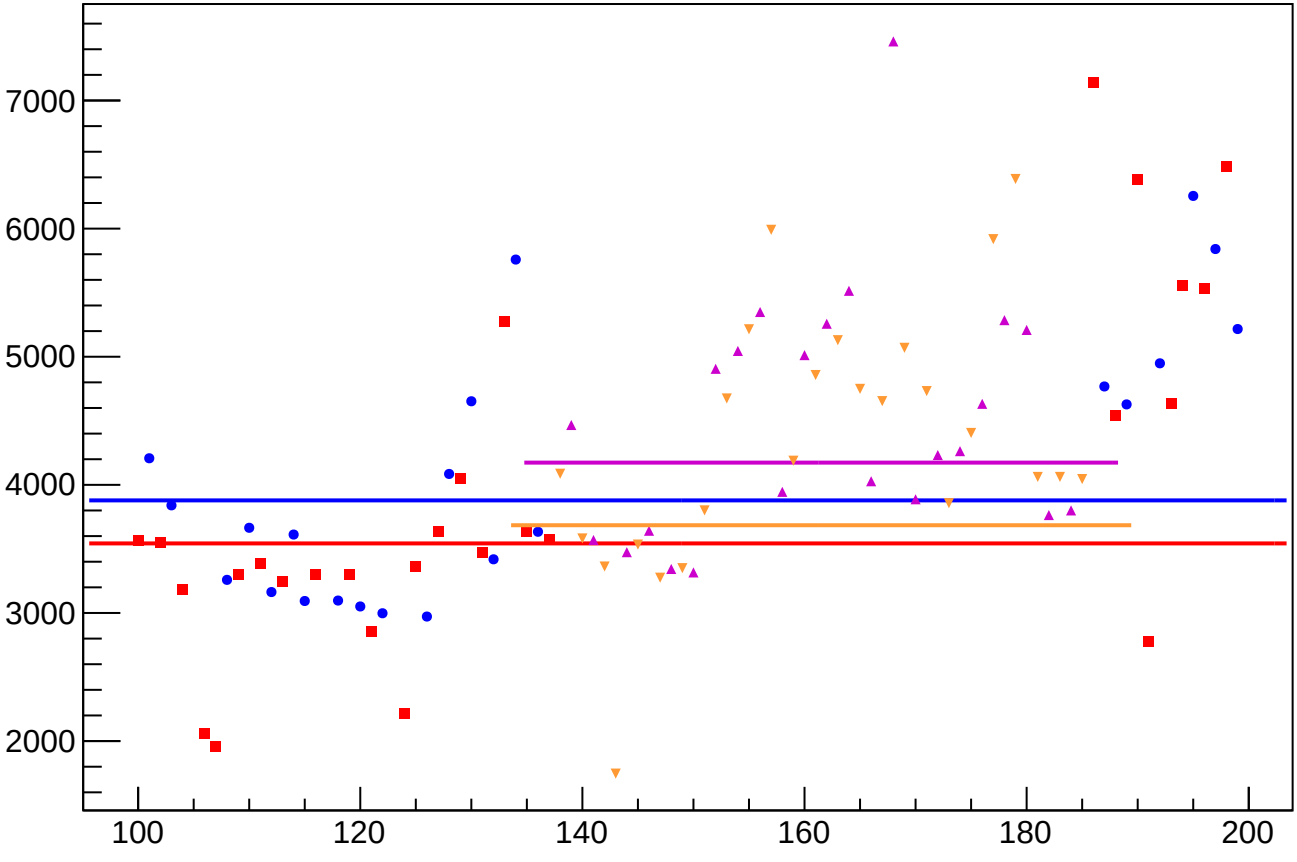
Right: 814.971+/-783.722 χ^2/NDF: 52.5/48

In: 20.971+/-760.176 χ^2/NDF:36.8/44

Out: 606.464+/-677.372 χ^2/NDF:59.1/51

All: 347.331+/-505.725 χ^2/NDF: 96.2/96

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 3878.737+/-0.833 χ^2/NDF: 1196957.8/21

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

Right Out: 3542.906+/-0.742 χ^2/NDF: 2220097.4/26

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

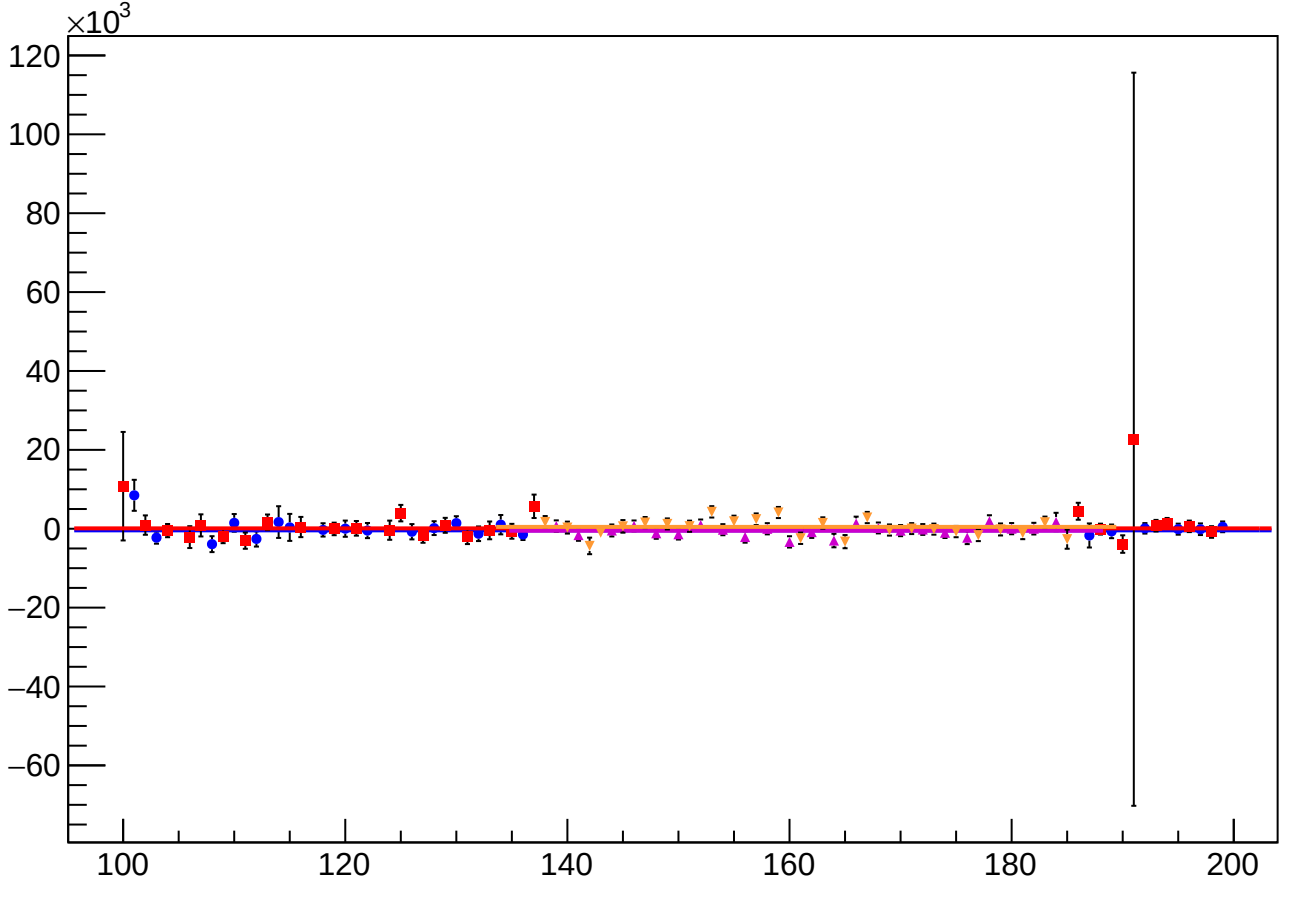
Left: 3900.975+/-0.468 χ^2/NDF: 5237615.0/47

Right: 3691.656+/-0.554 χ^2/NDF: 3507668.7/48

In: 4050.696+/-0.538 χ^2/NDF:2545041.8/44

Out: 3625.730+/-0.479 χ^2/NDF:5935096.3/51

All: 3813.816+/-0.358 χ^2/NDF: 8828544.6/96



Right In: -406.817+/-389.065 χ^2/NDF: 15.1/21

Left Out: 467.929+/-294.257 χ^2/NDF:44.1/24

Right Out: 93.322+/-374.882 χ^2/NDF: 24.0/26

Left In: -503.558+/-307.055 χ^2/NDF:17.4/22

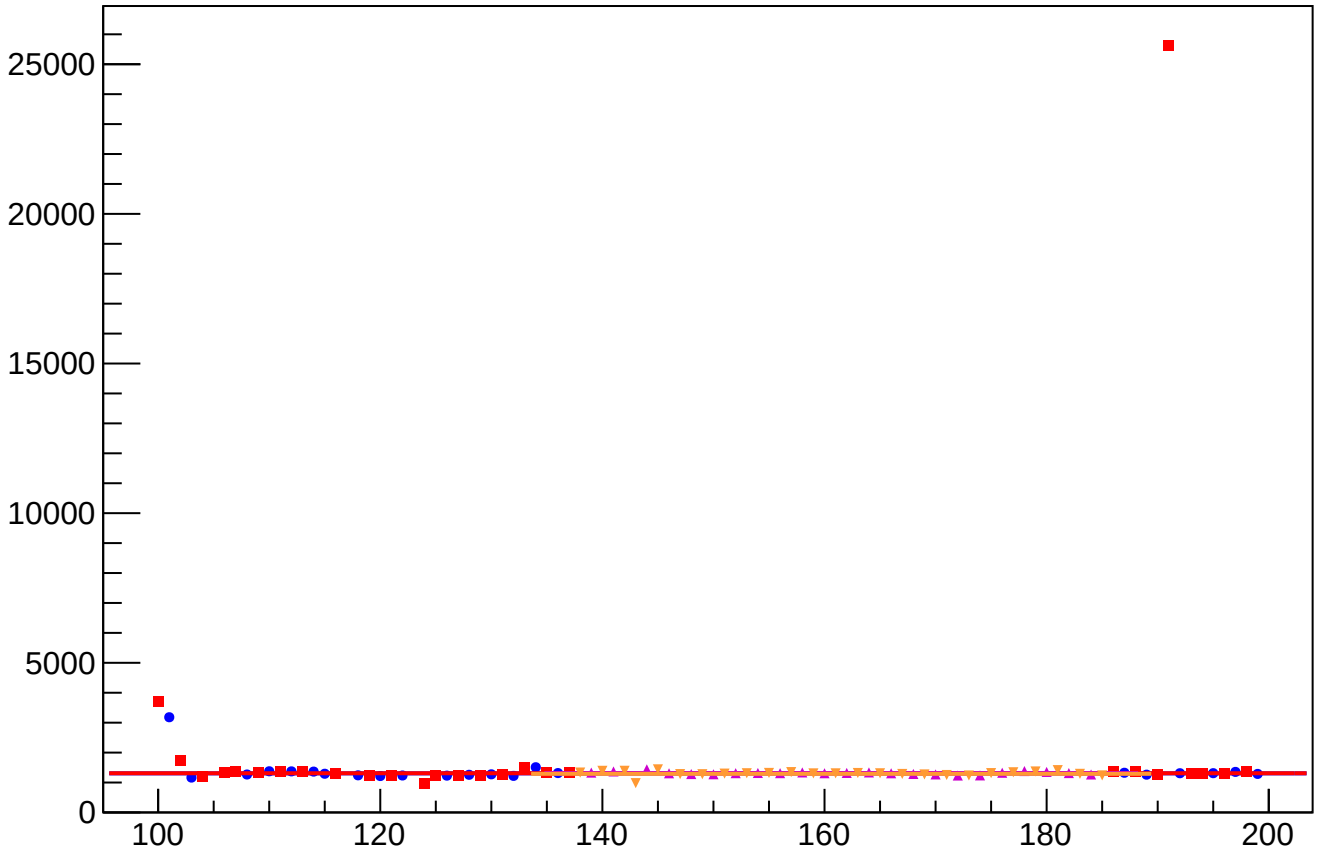
Left: 2.853+/-212.452 χ^2/NDF: 66.7/47

Right: -147.465+/-269.957 χ^2/NDF: 40.0/48

In: -466.429+/-241.033 χ^2/NDF:32.6/44

Out: 325.116+/-231.468 χ^2/NDF:68.7/51

All: -54.638+/-166.952 χ^2/NDF: 106.9/96



Right In: 1305.755+/-0.275 χ^2/NDF: 514602.8/21

Left Out: 1291.211+/-0.208 χ^2/NDF:230735.1/24

Right Out: 1310.196+/-0.265 χ^2/NDF: 363097.7/26

Left In: 1314.006+/-0.217 χ^2/NDF:43044.7/22

Left: 1302.123+/-0.150 χ^2/NDF: 279525.5/47

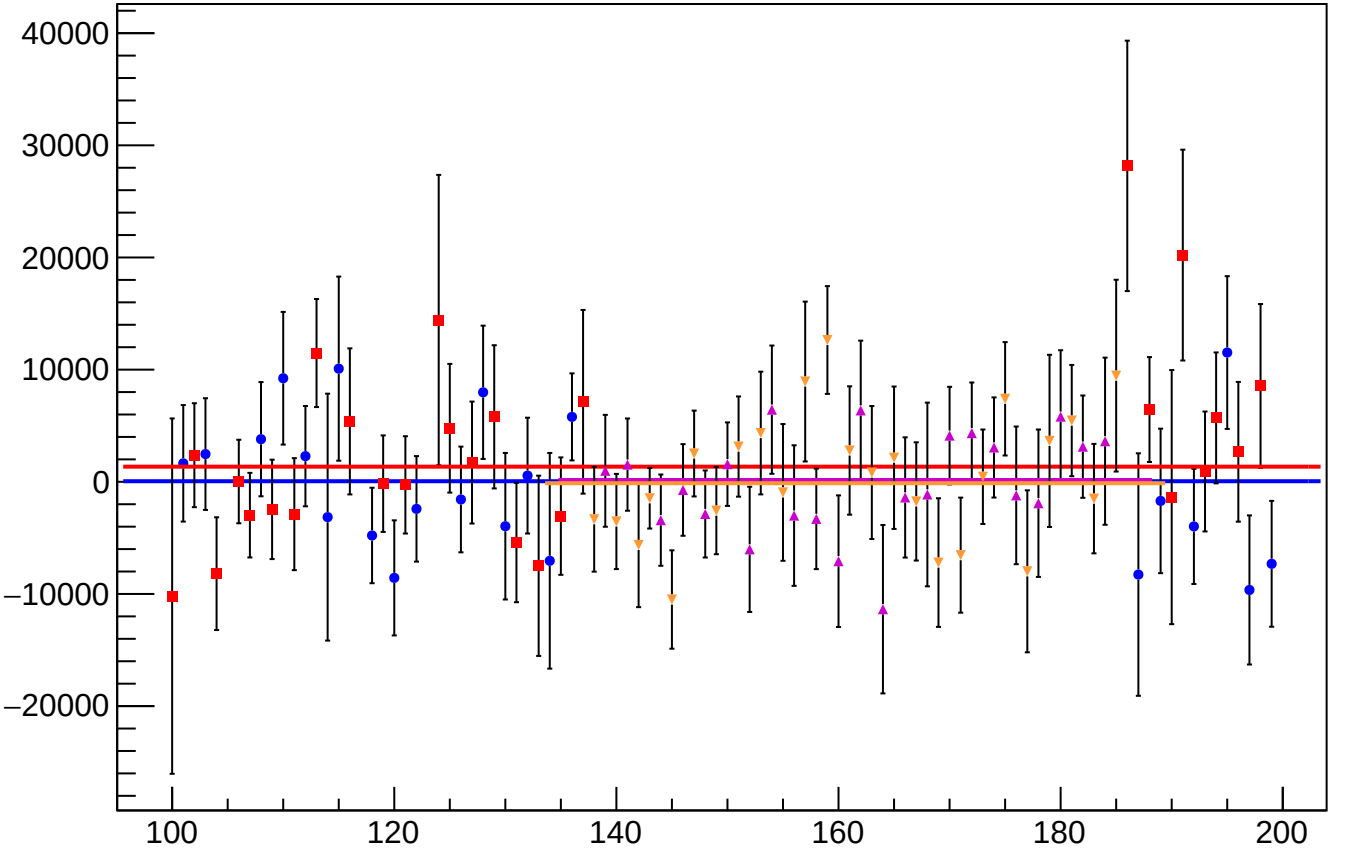
Right: 1308.059+/-0.191 χ^2/NDF: 877835.7/48

In: 1310.839+/-0.170 χ^2/NDF:558201.7/44

Out: 1298.452+/-0.164 χ^2/NDF:597008.5/51

All: 1304.394+/-0.118 χ^2/NDF: 1157958.5/96

asym_atl1r2_dd_atl2r1_dd_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 51.528+/-1183.391 χ^2/NDF: 22.5/21

Left Out: -127.273+/-977.231 χ^2/NDF:28.6/24

Right Out: 1349.010+/-1068.322 χ^2/NDF: 30.7/26

Left In: 159.452+/-1045.510 χ^2/NDF:13.8/22

Left: 6.422+/-713.925 χ^2/NDF: 42.4/47

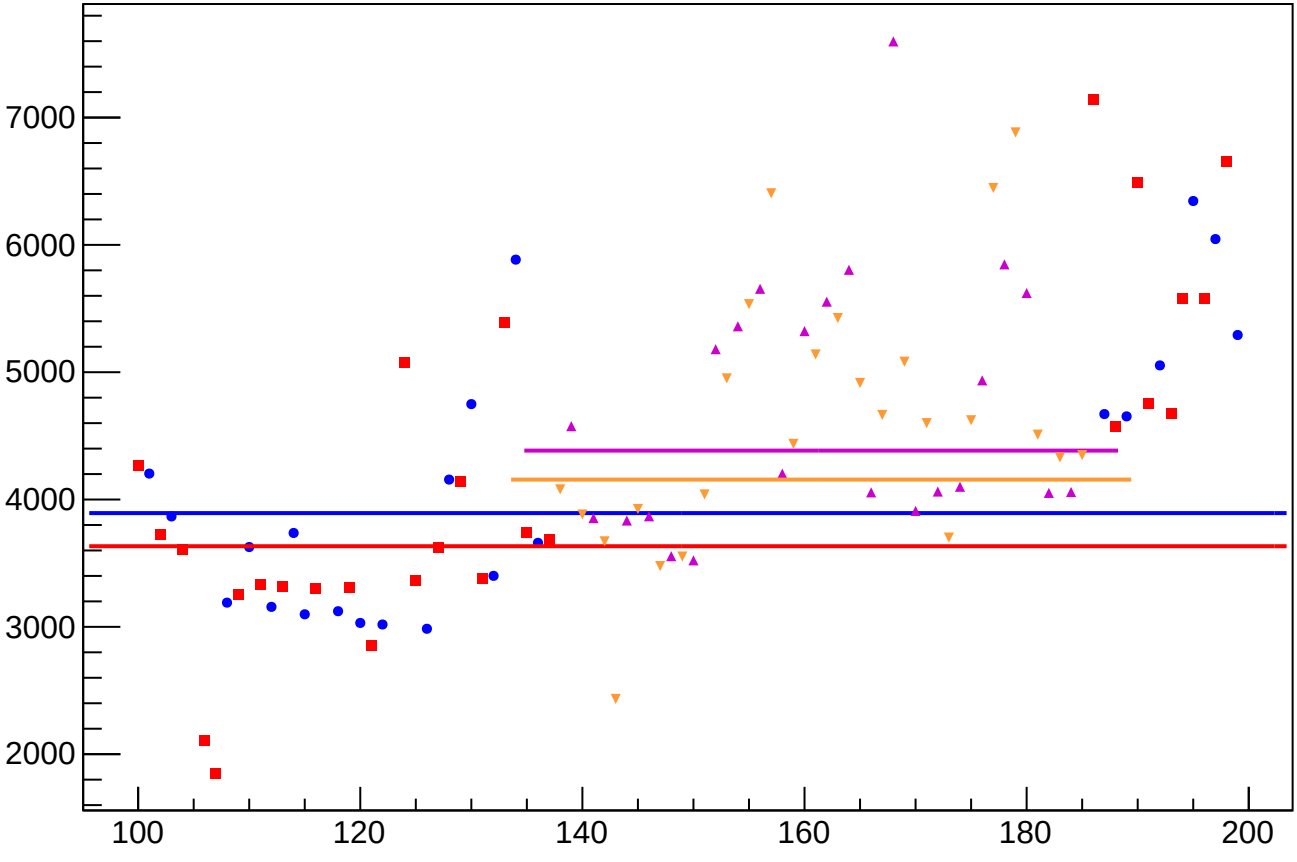
Right: 766.401+/-792.987 χ^2/NDF: 53.8/48

In: 112.141+/-783.522 χ^2/NDF:36.3/44

Out: 545.257+/-721.063 χ^2/NDF:60.3/51

All: 346.648+/-530.578 χ^2/NDF: 96.7/96

asym_atl1r2_dd_atl2r1_dd_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 3893.471+/-0.837 χ^2/NDF: 1271158.3/21

Left Out: 4156.582+/-0.691 χ^2/NDF:2080766.1/24

Right Out: 3633.326+/-0.755 χ^2/NDF: 2311441.1/26

Left In: 4384.323+/-0.739 χ^2/NDF:1255470.8/22

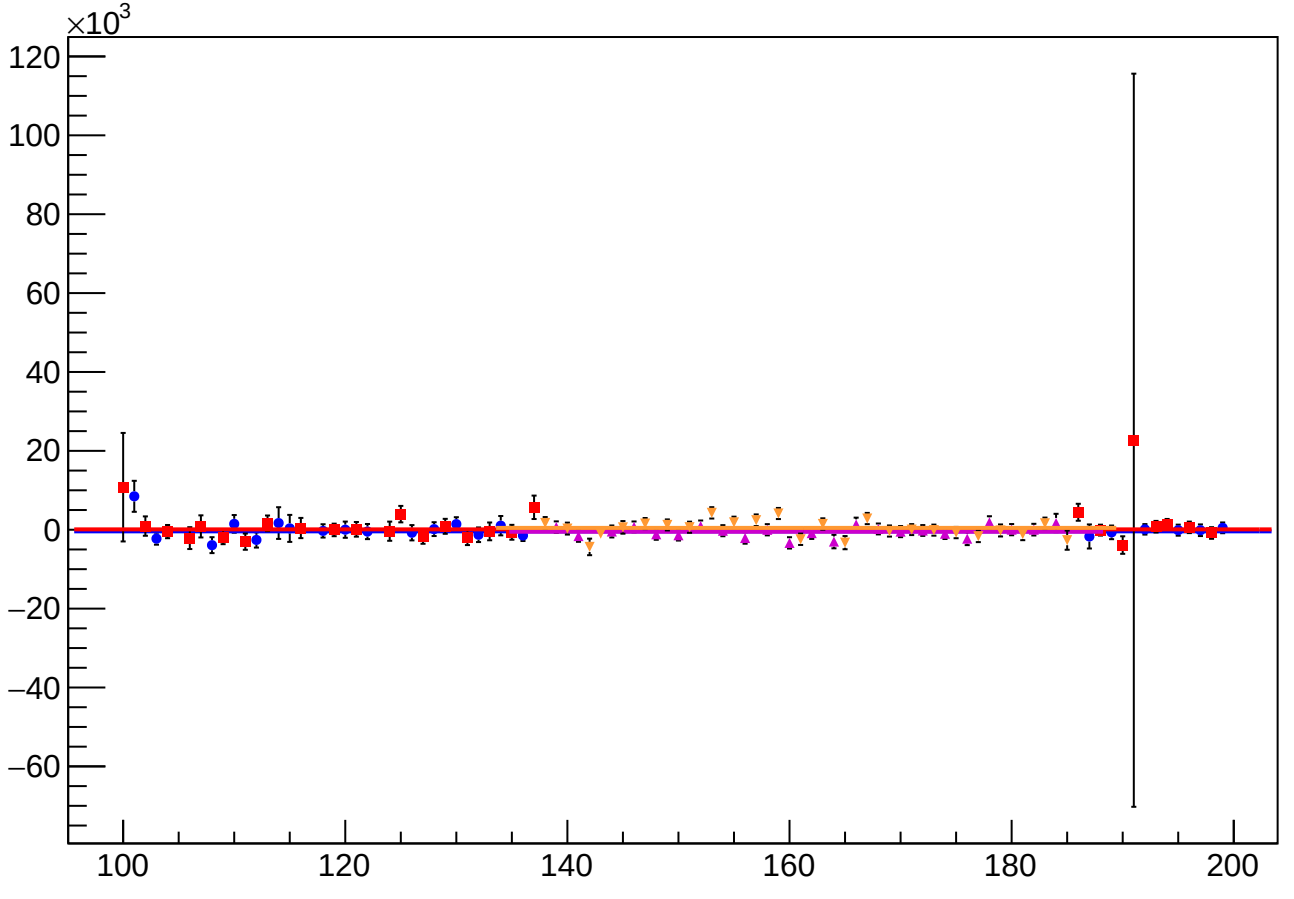
Left: 4262.773+/-0.505 χ^2/NDF: 3386885.6/47

Right: 3750.139+/-0.561 χ^2/NDF: 3635851.0/48

In: 4169.146+/-0.554 χ^2/NDF:2719879.3/44

Out: 3918.209+/-0.510 χ^2/NDF:4653427.1/51

All: 4033.278+/-0.375 χ^2/NDF: 7484379.0/96



Right In: -406.817+/-389.065 χ^2/NDF: 15.1/21

Left Out: 467.933+/-294.257 χ^2/NDF:44.1/24

Right Out: 93.319+/-374.882 χ^2/NDF: 24.0/26

Left In: -503.558+/-307.056 χ^2/NDF:17.4/22

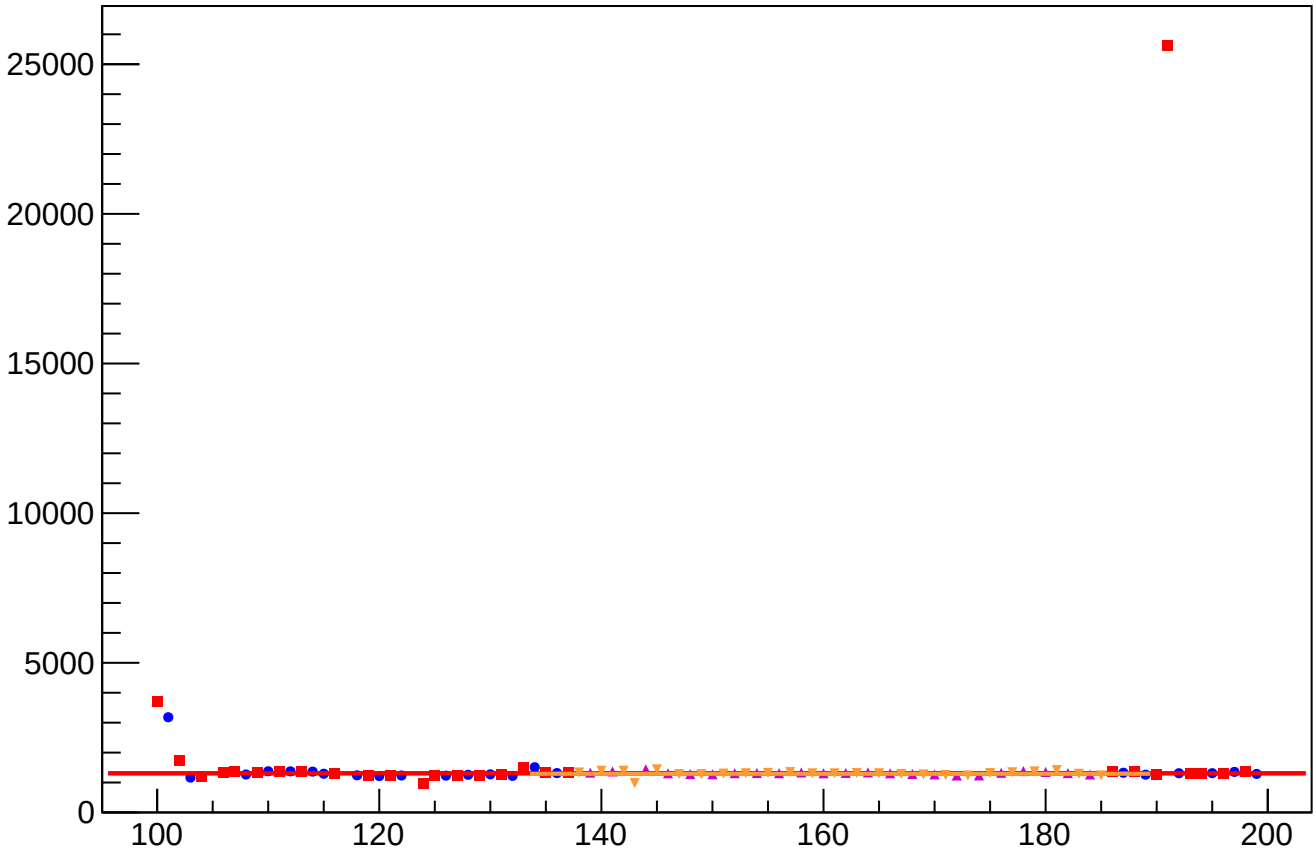
Left: 2.855+/-212.452 χ^2/NDF: 66.7/47

Right: -147.467+/-269.957 χ^2/NDF: 40.0/48

In: -466.429+/-241.033 χ^2/NDF:32.6/44

Out: 325.117+/-231.468 χ^2/NDF:68.7/51

All: -54.638+/-166.952 χ^2/NDF: 106.9/96



Right In: 1305.755+/-0.275 χ^2/NDF: 514603.0/21

Left Out: 1291.212+/-0.208 χ^2/NDF:230737.6/24

Right Out: 1310.196+/-0.265 χ^2/NDF: 363098.0/26

Left In: 1314.007+/-0.217 χ^2/NDF:43046.8/22

Left: 1302.125+/-0.150 χ^2/NDF: 279530.2/47

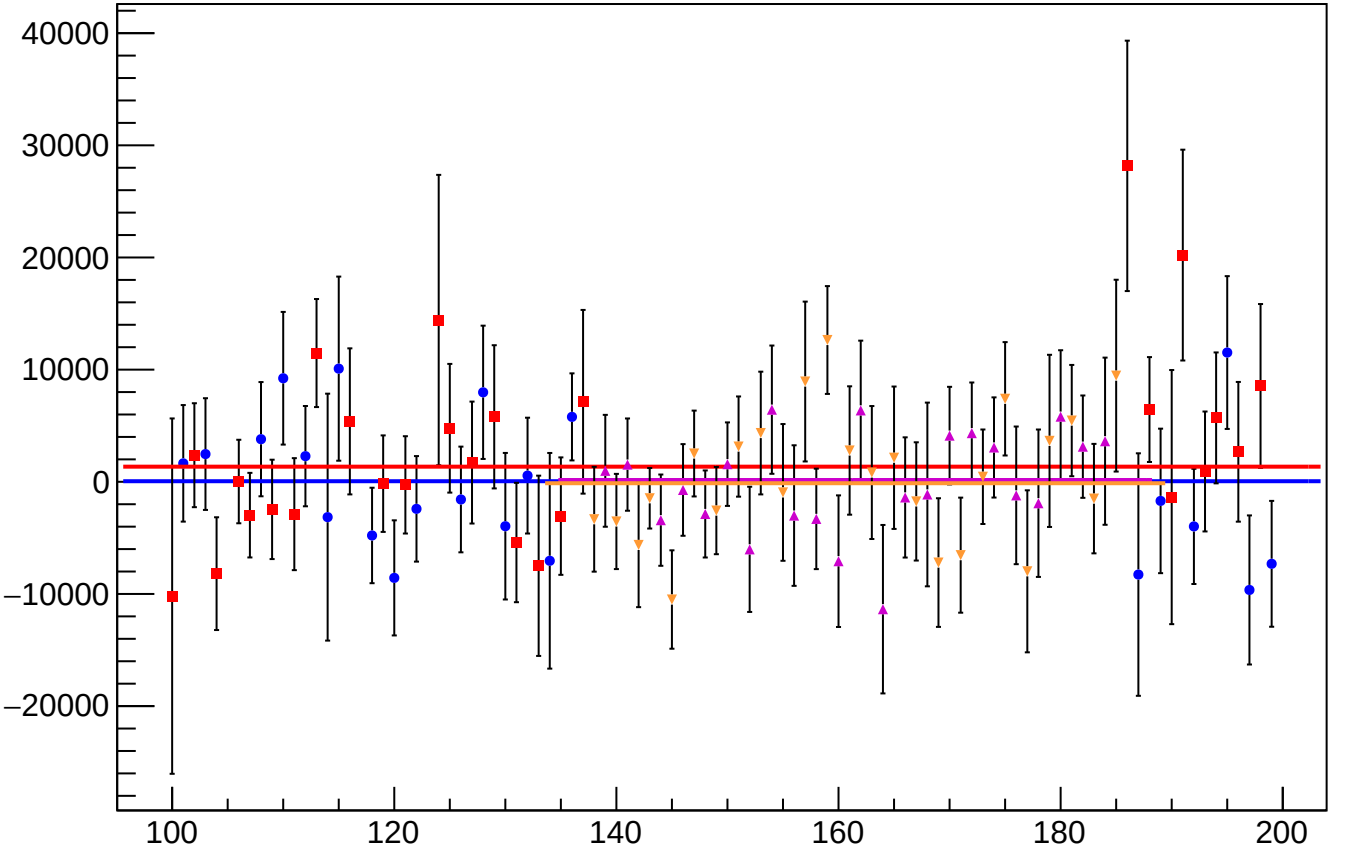
Right: 1308.059+/-0.191 χ^2/NDF: 877836.2/48

In: 1310.840+/-0.170 χ^2/NDF:558204.2/44

Out: 1298.453+/-0.164 χ^2/NDF:597010.9/51

All: 1304.395+/-0.118 χ^2/NDF: 1157963.4/96

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 51.522+/-1183.389 χ^2/NDF: 22.5/21

Left Out: -127.271+/-977.232 χ^2/NDF:28.6/24

Right Out: 1349.002+/-1068.321 χ^2/NDF: 30.7/26

Left In: 159.454+/-1045.511 χ^2/NDF:13.8/22

Left: 6.424+/-713.926 χ^2/NDF: 42.4/47

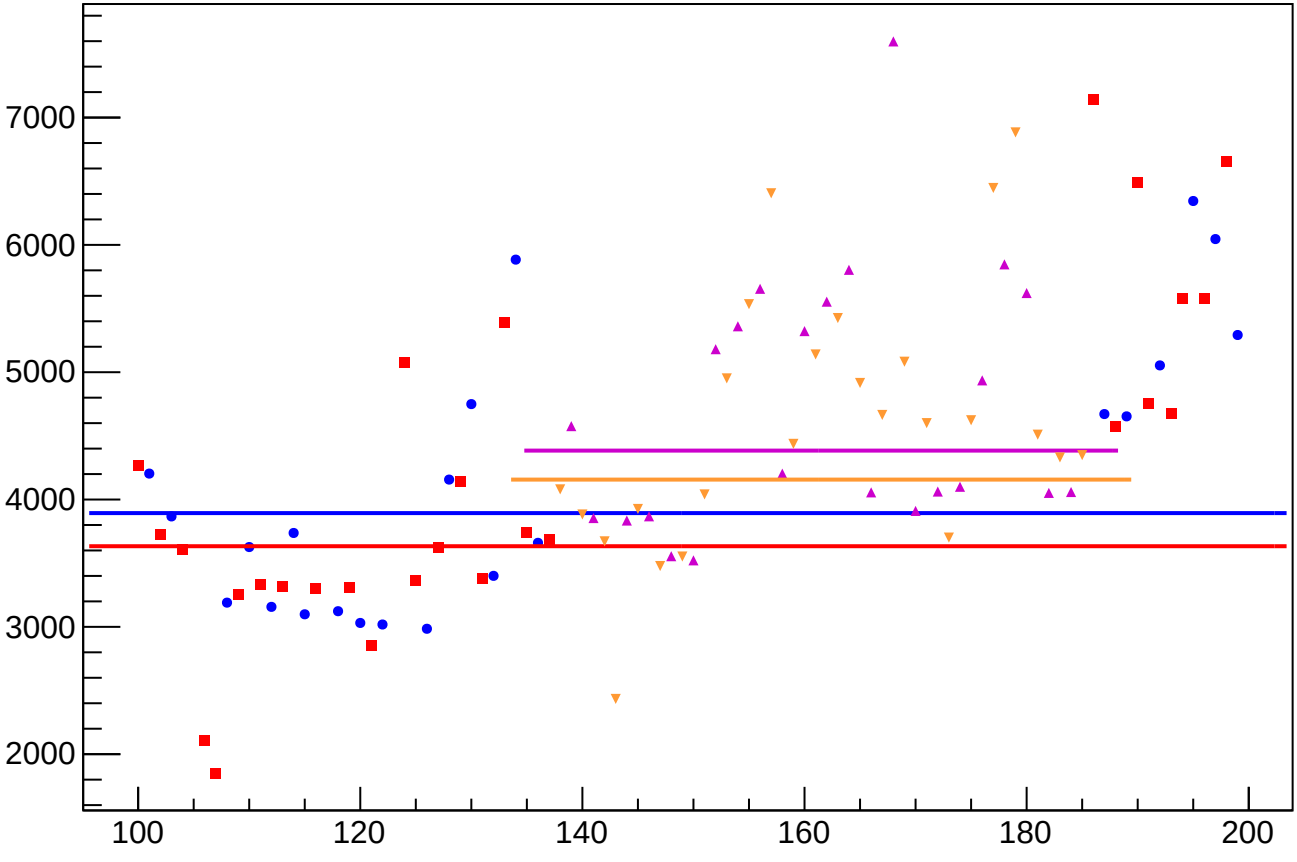
Right: 766.394+/-792.986 χ^2/NDF: 53.8/48

In: 112.139+/-783.522 χ^2/NDF:36.3/44

Out: 545.257+/-721.064 χ^2/NDF:60.3/51

All: 346.647+/-530.578 χ^2/NDF: 96.7/96

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 3893.463+/-0.837 χ^2/NDF: 1271176.6/21

Left Out: 4156.588+/-0.691 χ^2/NDF:2080769.0/24

Right Out: 3633.318+/-0.755 χ^2/NDF: 2311456.9/26

Left In: 4384.329+/-0.739 χ^2/NDF:1255475.0/22

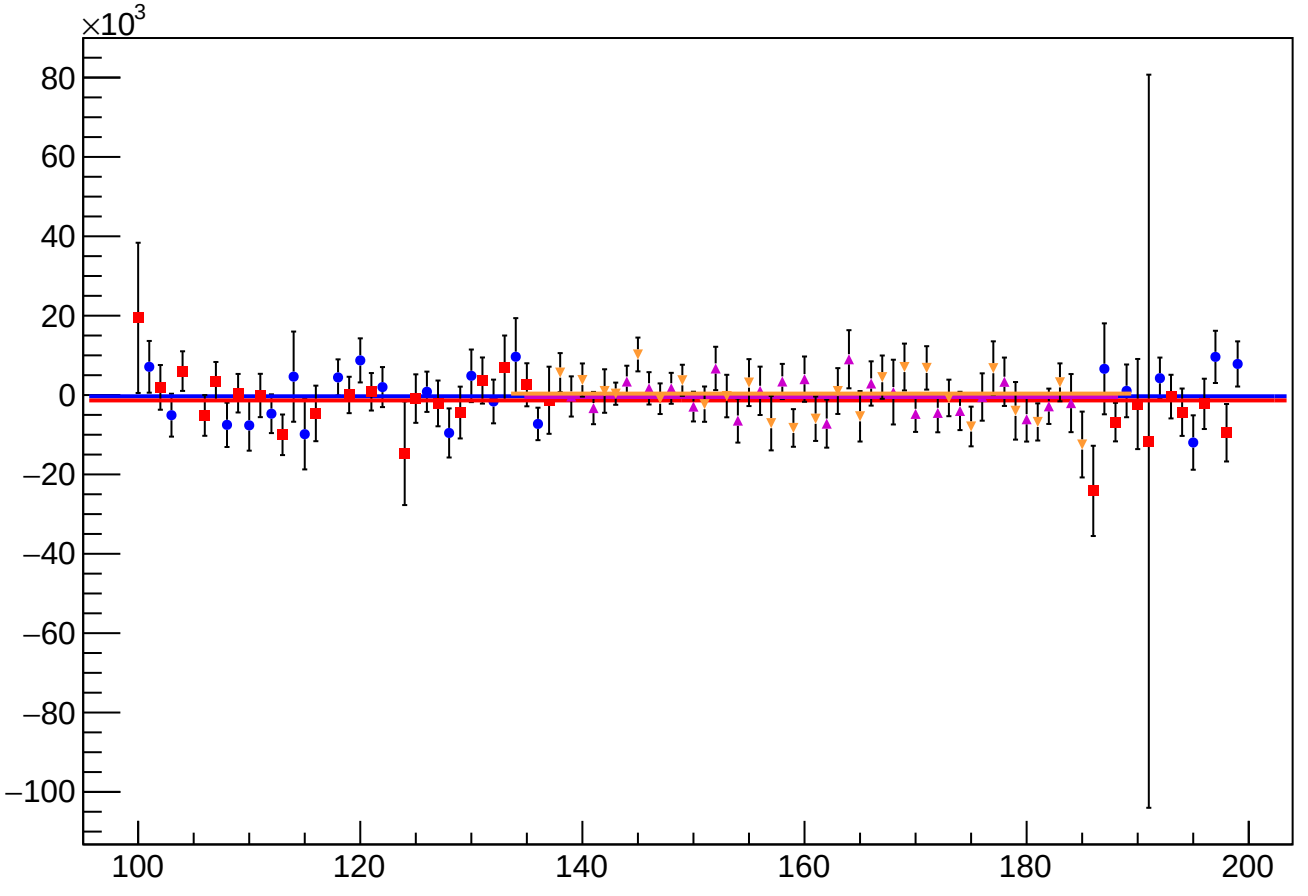
Left: 4262.780+/-0.505 χ^2/NDF: 3386892.6/47

Right: 3750.131+/-0.561 χ^2/NDF: 3635885.0/48

In: 4169.145+/-0.554 χ^2/NDF:2719913.5/44

Out: 3918.208+/-0.510 χ^2/NDF:4653459.7/51

All: 4033.278+/-0.375 χ^2/NDF: 7484445.8/96



Right In: -313.427+/-1259.402 χ^2/NDF: 26.5/21

Left Out: 362.528+/-979.860 χ^2/NDF:27.7/24

Right Out: -1352.994+/-1175.781 χ^2/NDF: 19.3/26

Left In: -497.522+/-1044.707 χ^2/NDF:13.9/22

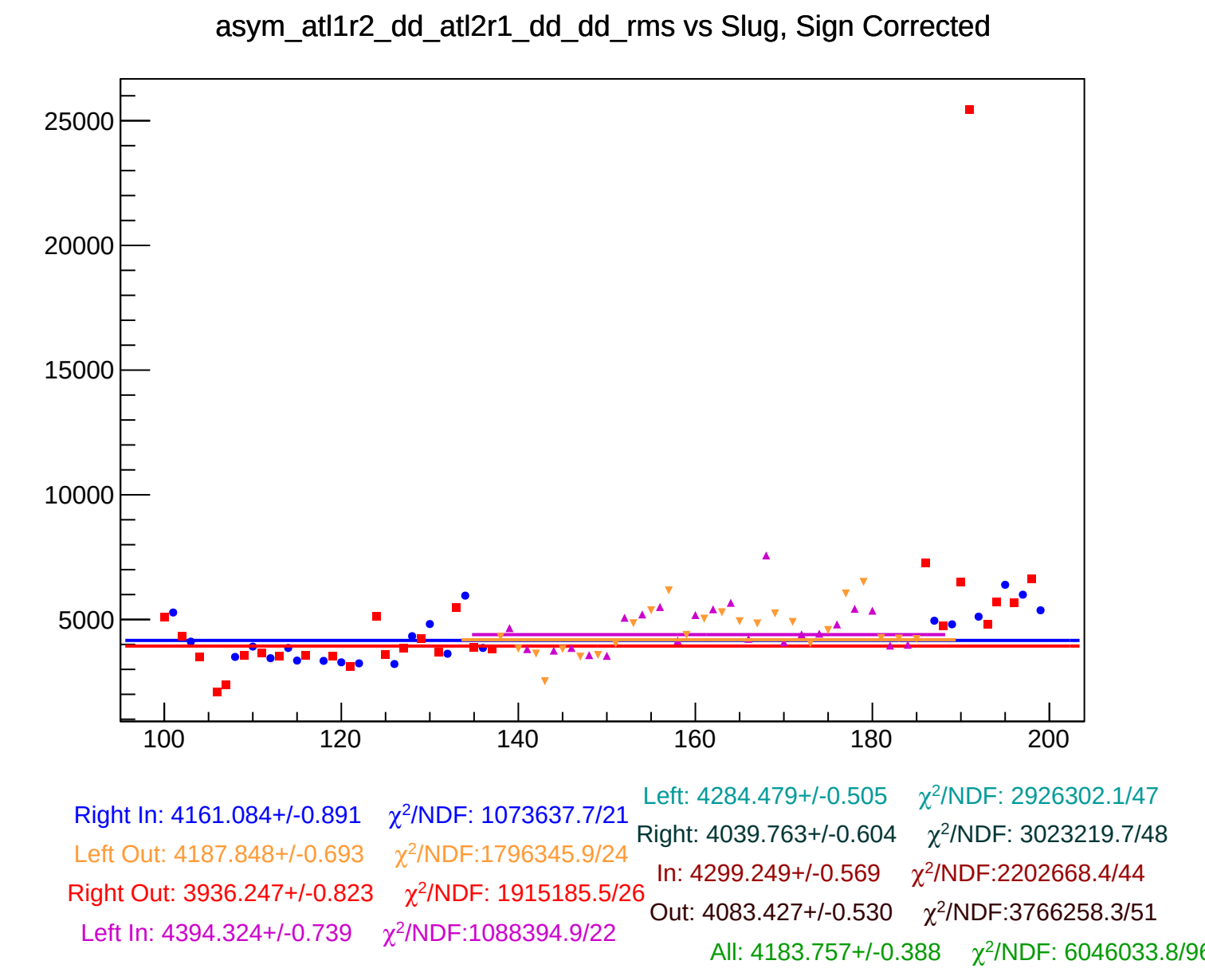
Left: -39.978+/-714.692 χ^2/NDF: 41.9/47

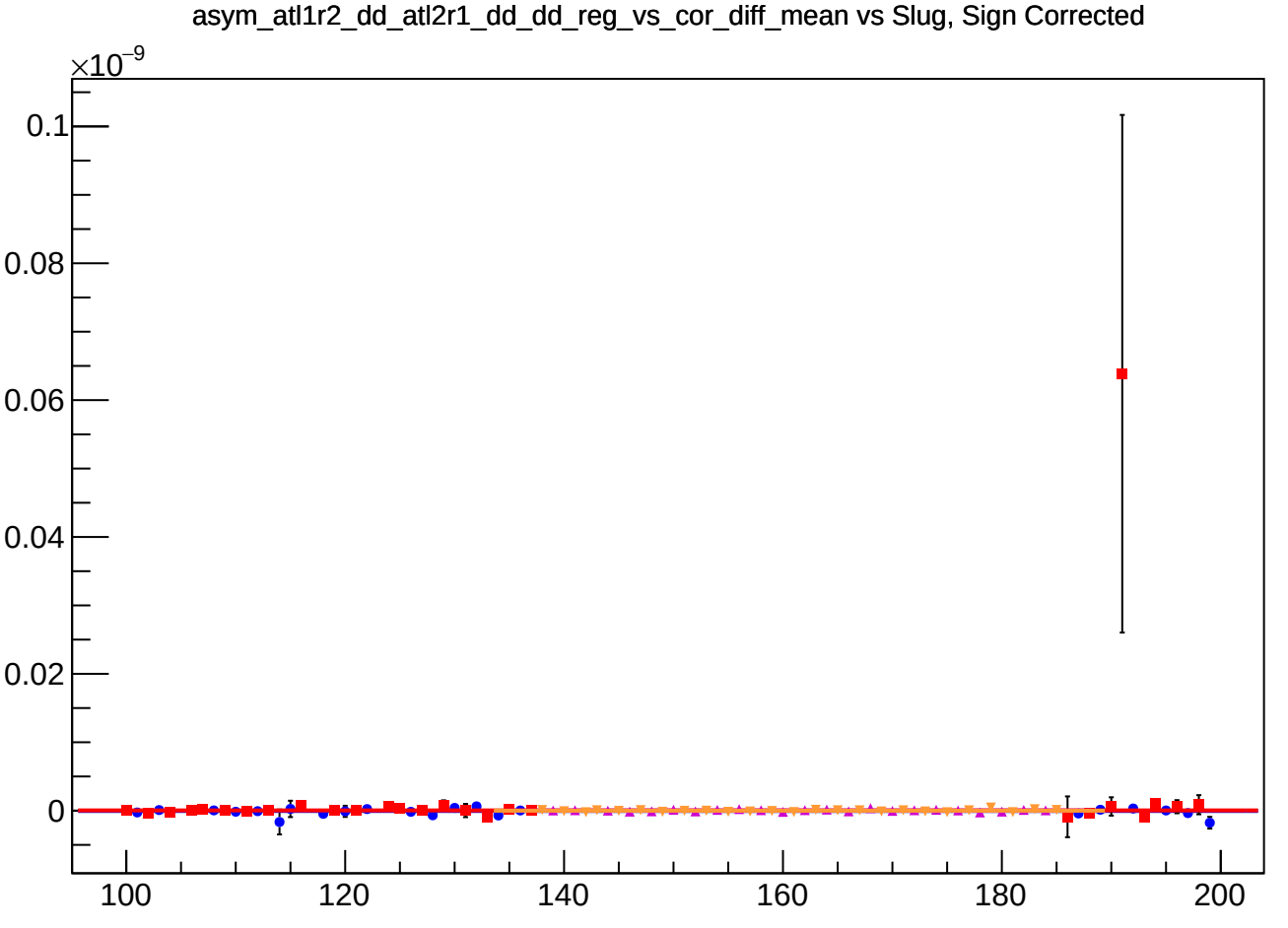
Right: -868.866+/-859.445 χ^2/NDF: 46.1/48

In: -422.481+/-804.069 χ^2/NDF:40.4/44

Out: -340.592+/-752.736 χ^2/NDF:48.2/51

All: -378.839+/-549.517 χ^2/NDF: 88.5/96


asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug, Sign Corrected
25000
20000
15000
10000
5000
100
120
140
160
180
200
Right In: 4161.084+/-0.891 χ²/NDF: 1073637.7/21
Left Out: 4187.848+/-0.693 χ²/NDF:1796345.9/24
Right Out: 3936.247+/-0.823 χ²/NDF: 1915185.5/26
Left In: 4394.324+/-0.739 χ²/NDF:1088394.9/22
Left: 4284.479+/-0.505 χ²/NDF: 2926302.1/47
Right: 4039.763+/-0.604 χ²/NDF: 3023219.7/48
In: 4299.249+/-0.569 χ²/NDF:2202668.4/44
Out: 4083.427+/-0.530 χ²/NDF:3766258.3/51
All: 4183.757+/-0.388 χ²/NDF: 6046033.8/96



Right In: -0.000+/-0.000 χ^2/NDF: 22.4/21

Left Out: -0.000+/-0.000 χ^2/NDF:30.5/24

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

Left In: 0.000+/-0.000 χ^2/NDF:17.0/22

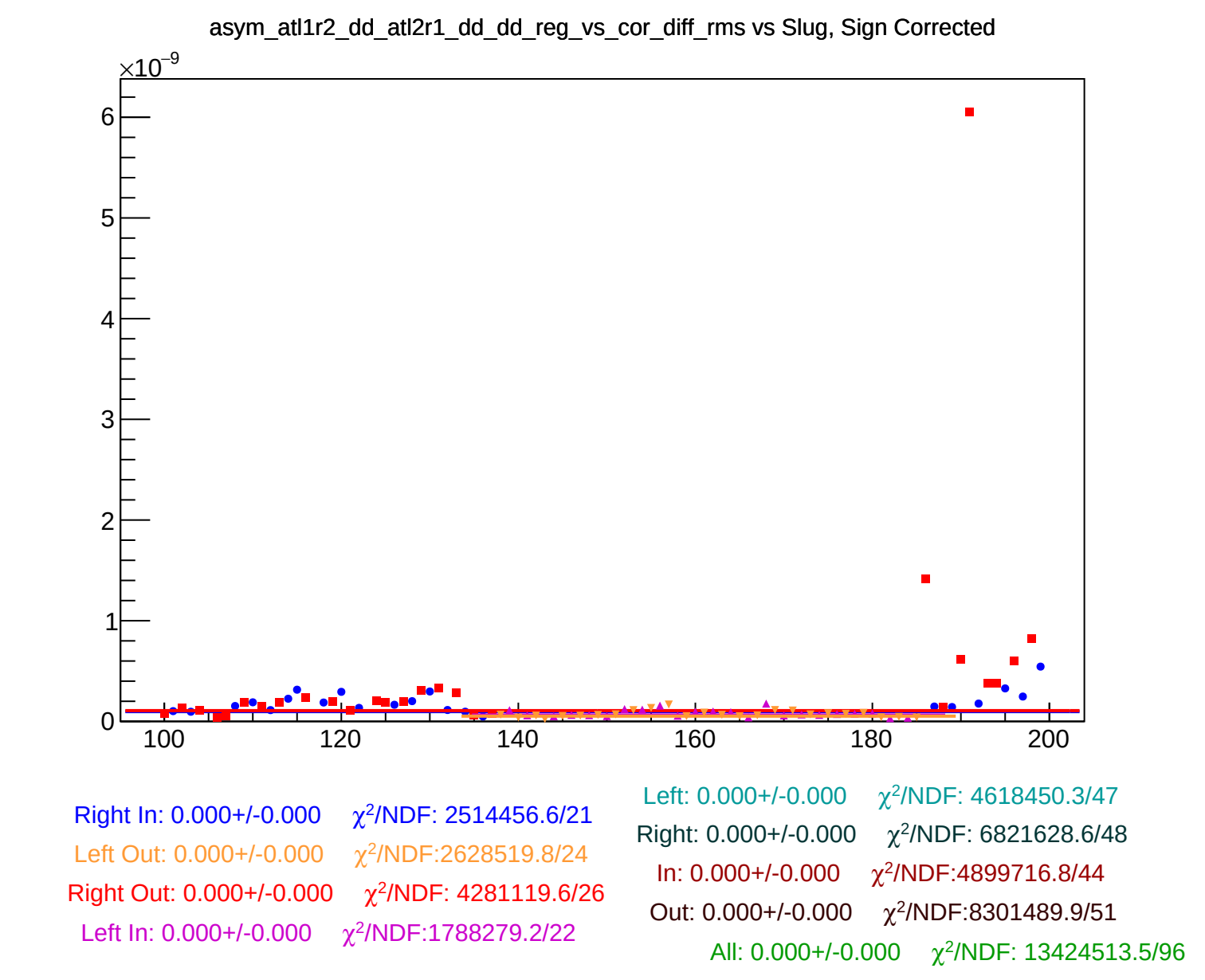
Left: 0.000+/-0.000 χ^2/NDF: 48.0/47

Right: -0.000+/-0.000 χ^2/NDF: 49.9/48

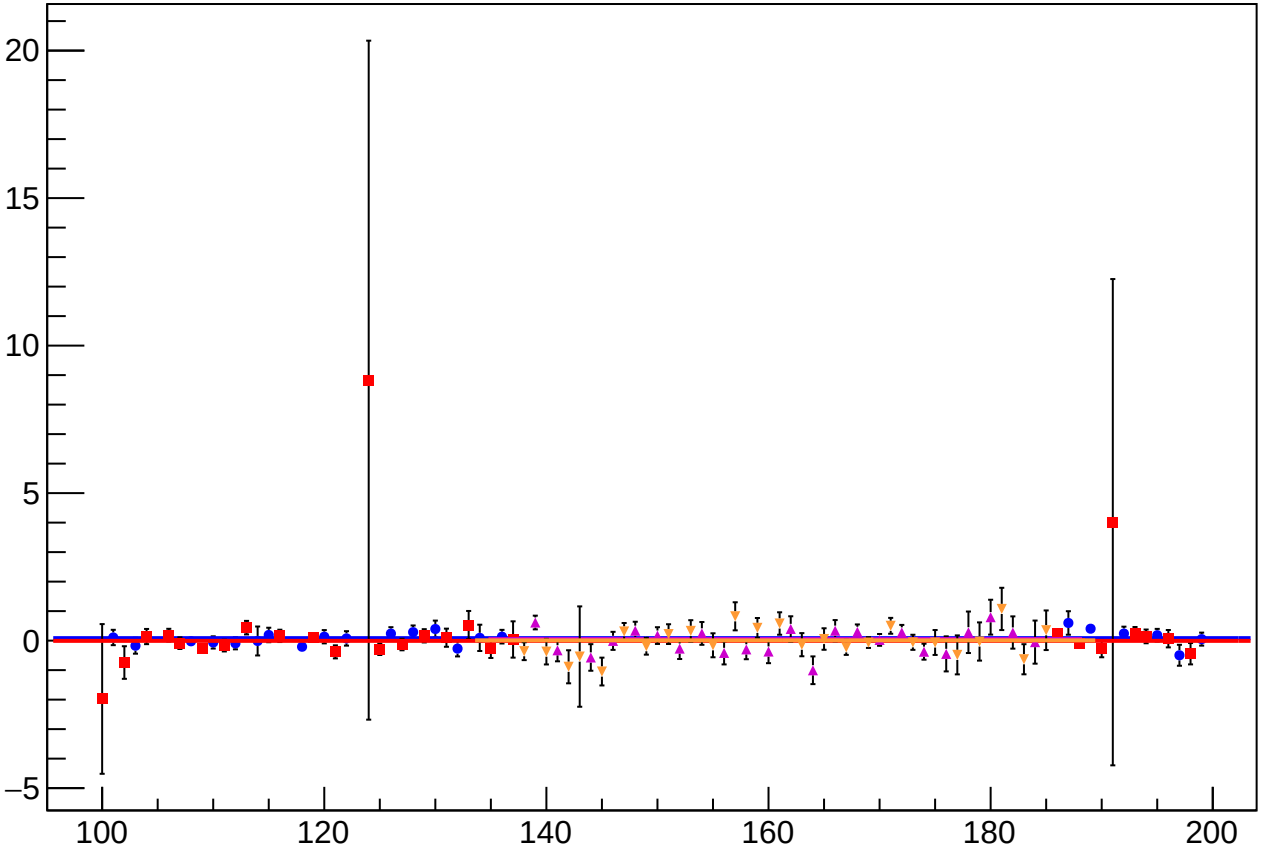
In: 0.000+/-0.000 χ^2/NDF:40.5/44

Out: 0.000+/-0.000 χ^2/NDF:57.3/51

All: 0.000+/-0.000 χ^2/NDF: 98.0/96


asym_atl1r2_dd_atl2r1_dd_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−9
6
5
4
3
2
1
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 2514456.6/21
Left Out: 0.000+/-0.000 χ²/NDF:2628519.8/24
Right Out: 0.000+/-0.000 χ²/NDF: 4281119.6/26
Left In: 0.000+/-0.000 χ²/NDF:1788279.2/22
Left: 0.000+/-0.000 χ²/NDF: 4618450.3/47
Right: 0.000+/-0.000 χ²/NDF: 6821628.6/48
In: 0.000+/-0.000 χ²/NDF:4899716.8/44
Out: 0.000+/-0.000 χ²/NDF:8301489.9/51
All: 0.000+/-0.000 χ²/NDF: 13424513.5/96

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.084+/-0.049 χ^2/NDF: 19.8/21

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.008+/-0.042 χ^2/NDF: 29.0/26

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

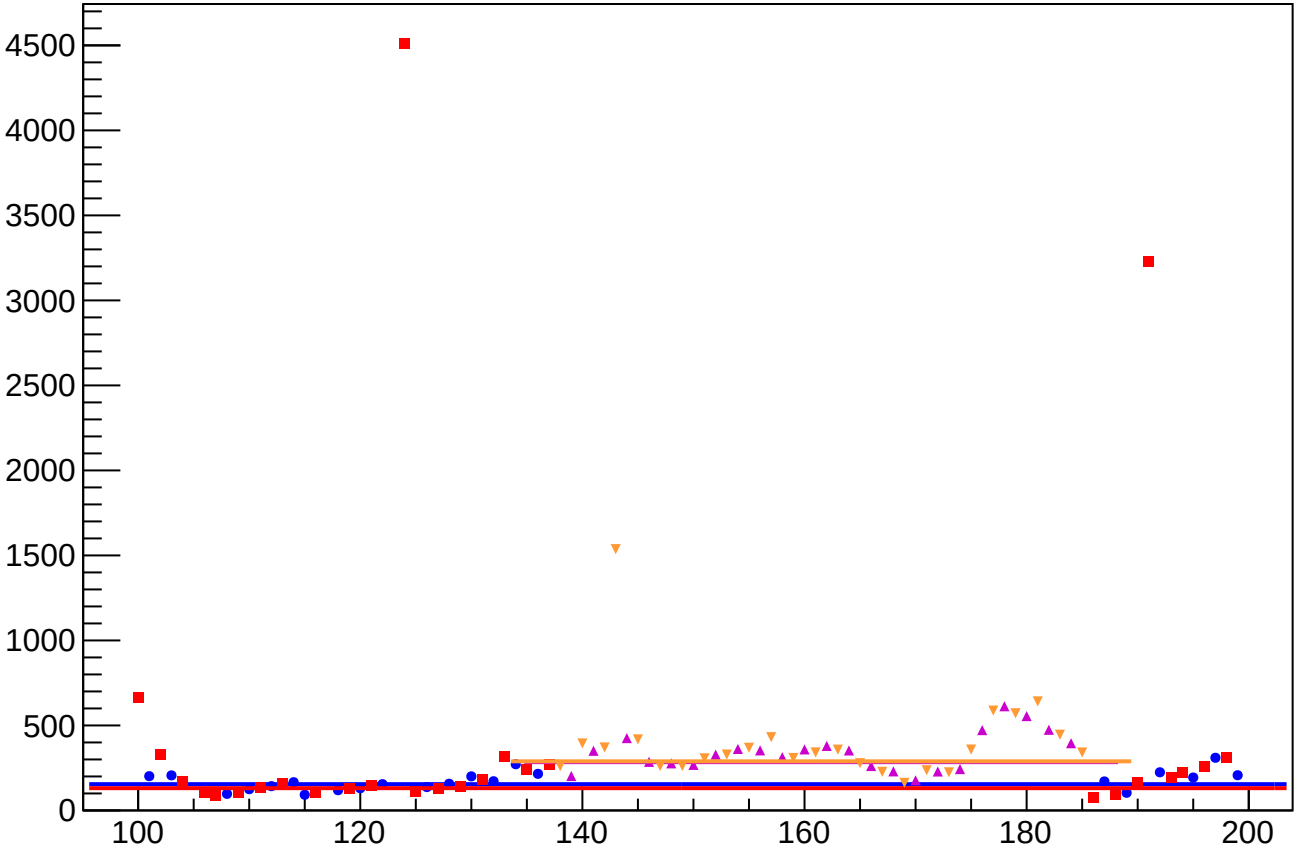
Right: 0.031+/-0.032 χ^2/NDF: 50.9/48

In: 0.074+/-0.040 χ^2/NDF:47.7/44

Out: -0.004+/-0.036 χ^2/NDF:57.9/51

All: 0.031+/-0.027 χ^2/NDF: 107.7/96

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 154.609+/-0.035 χ^2/NDF: 2003104.1/21

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

Right Out: 131.106+/-0.030 χ^2/NDF: 3952543.6/26

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

Left: 286.524+/-0.035 χ^2/NDF: 7730236.9/47

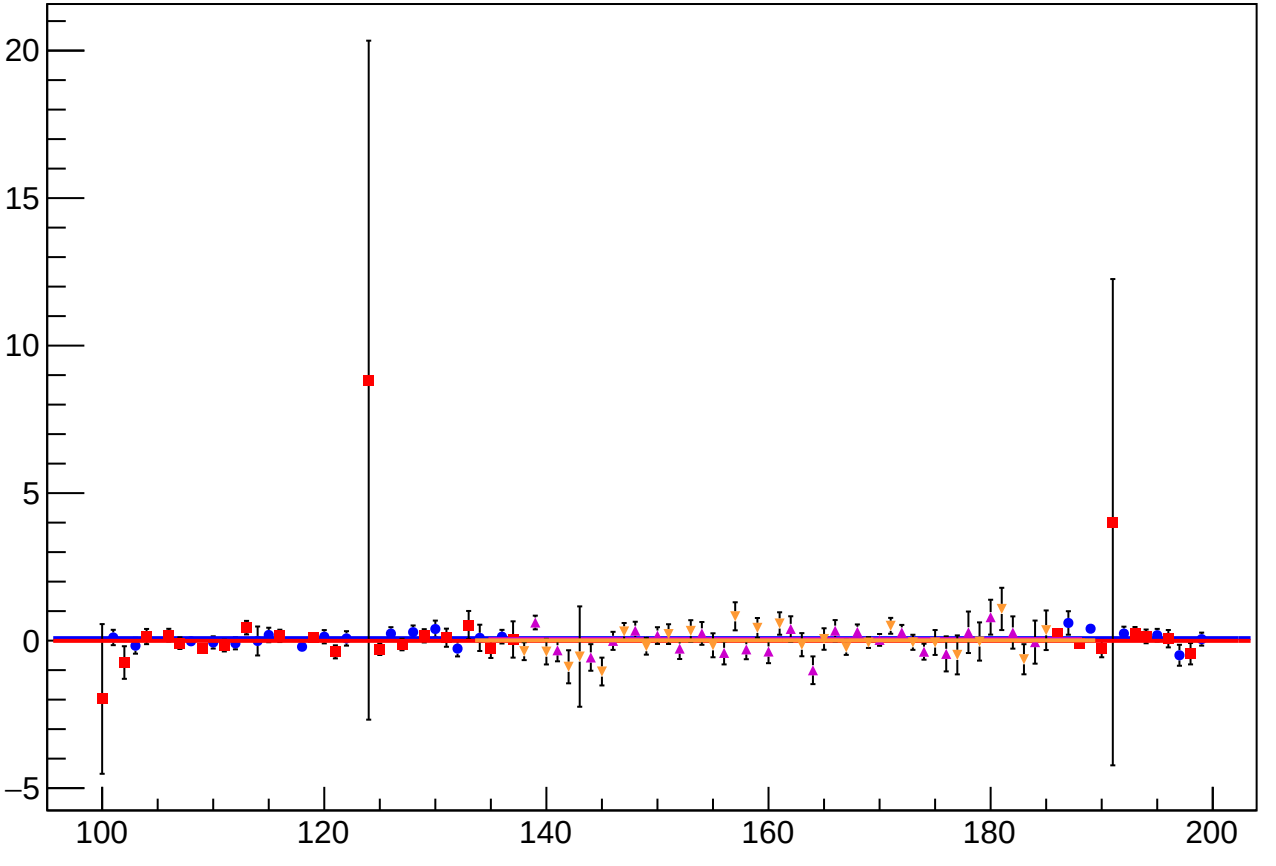
Right: 141.088+/-0.023 χ^2/NDF: 6221725.9/48

In: 196.742+/-0.028 χ^2/NDF:9650826.7/44

Out: 171.993+/-0.026 χ^2/NDF:15918226.6/51

All: 183.073+/-0.019 χ^2/NDF: 25988768.1/96

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.084+/-0.049 χ^2/NDF: 19.8/21

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.008+/-0.042 χ^2/NDF: 29.0/26

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

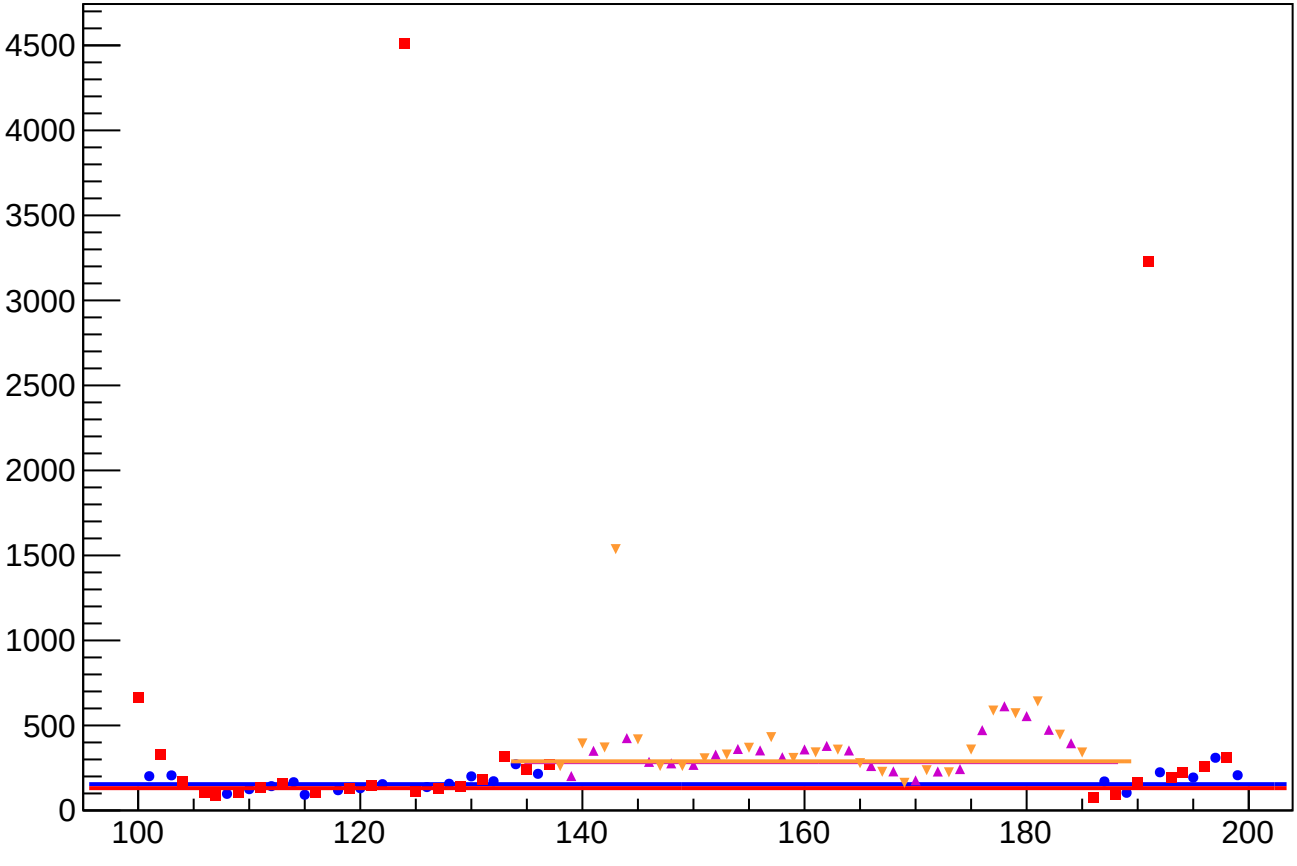
Right: 0.031+/-0.032 χ^2/NDF: 50.9/48

In: 0.074+/-0.040 χ^2/NDF:47.7/44

Out: -0.004+/-0.036 χ^2/NDF:57.9/51

All: 0.031+/-0.027 χ^2/NDF: 107.7/96

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 154.609+/-0.035 χ^2/NDF: 2003104.1/21

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

Right Out: 131.106+/-0.030 χ^2/NDF: 3952543.6/26

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

Left: 286.524+/-0.035 χ^2/NDF: 7730236.9/47

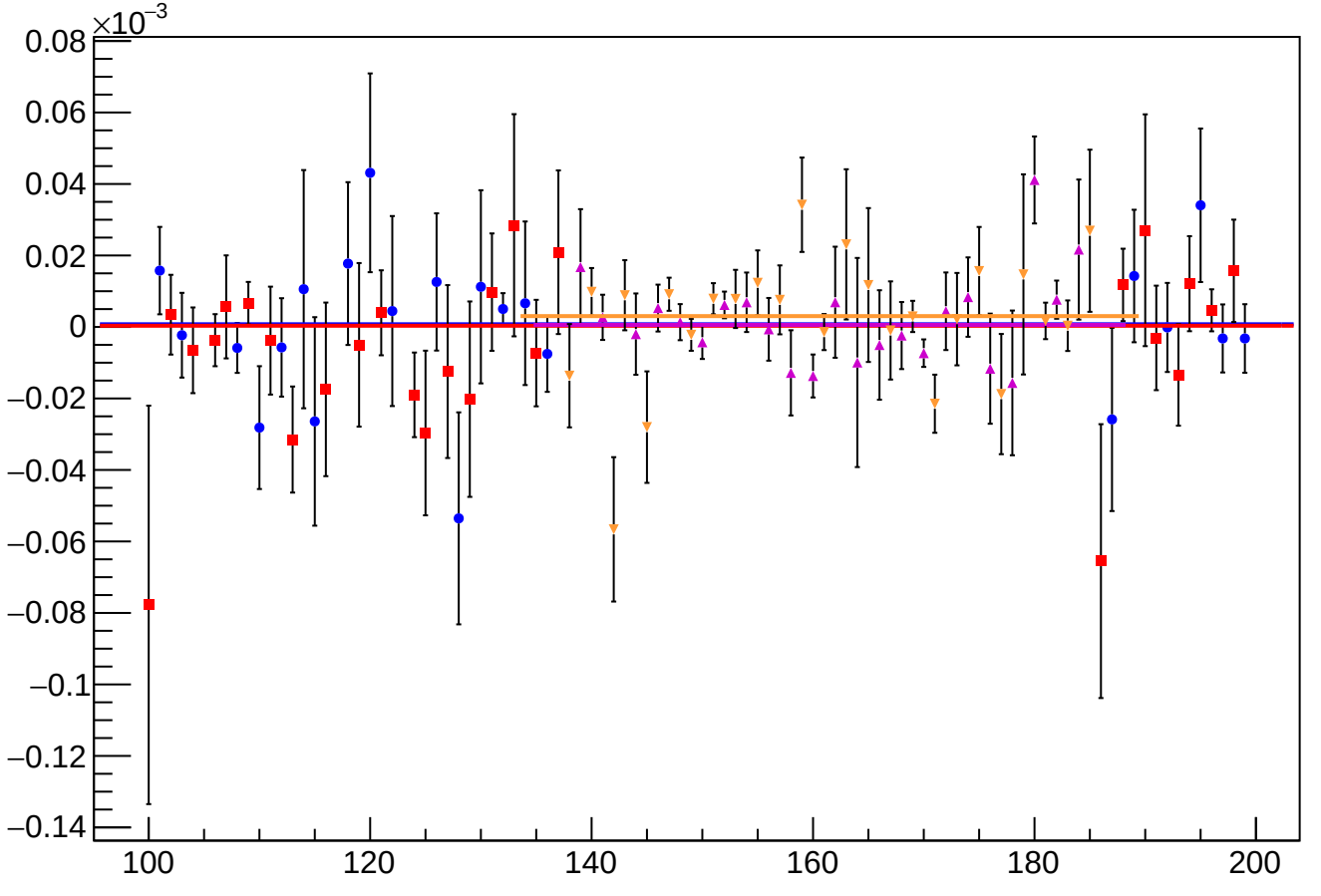
Right: 141.088+/-0.023 χ^2/NDF: 6221725.9/48

In: 196.742+/-0.028 χ^2/NDF:9650826.7/44

Out: 171.993+/-0.026 χ^2/NDF:15918226.6/51

All: 183.073+/-0.019 χ^2/NDF: 25988768.1/96

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: 19.2/21

Left Out: 0.000+/-0.000 χ^2/NDF:42.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 25.1/26

Left In: 0.000+/-0.000 χ^2/NDF:33.2/22

Left: 0.000+/-0.000 χ^2/NDF: 76.7/47

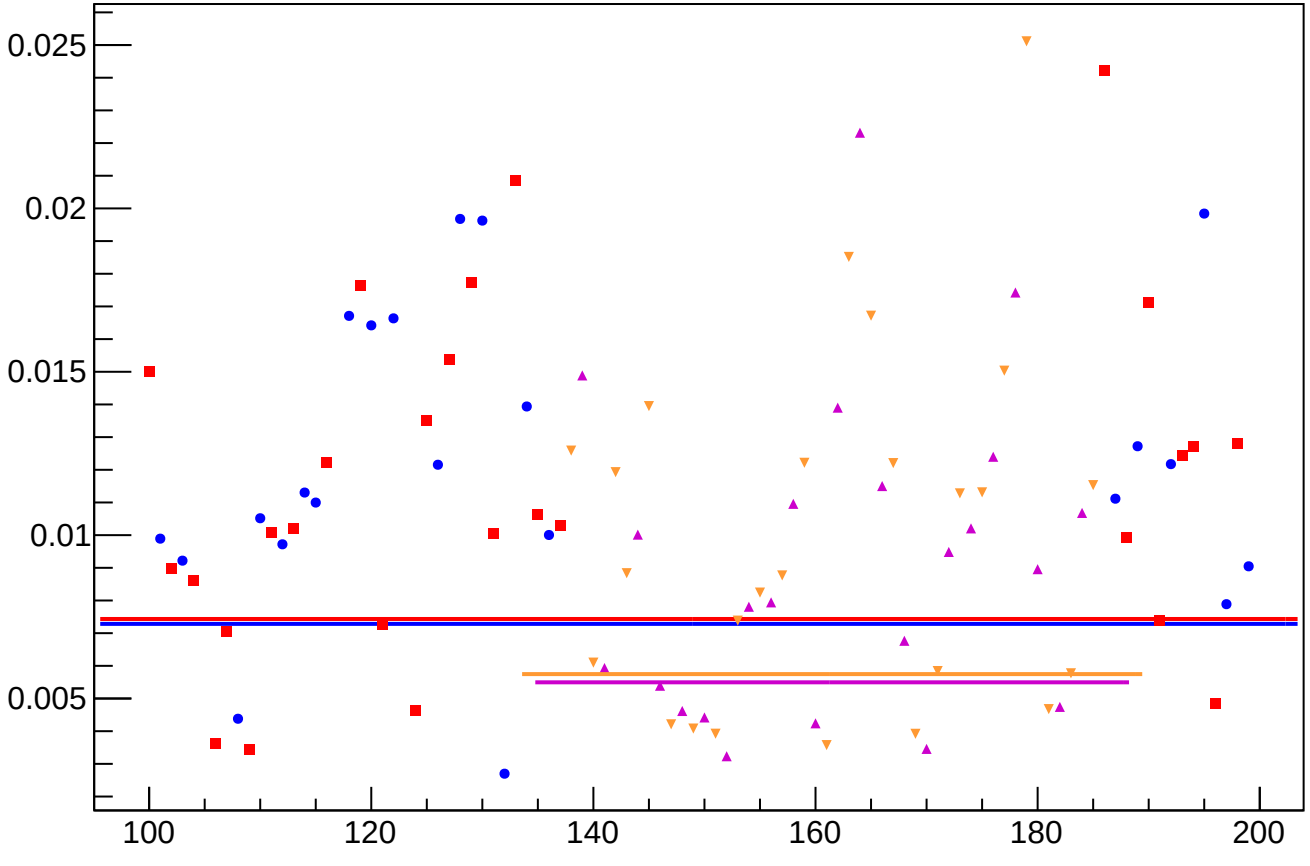
Right: 0.000+/-0.000 χ^2/NDF: 44.3/48

In: 0.000+/-0.000 χ^2/NDF:52.4/44

Out: 0.000+/-0.000 χ^2/NDF:68.2/51

All: 0.000+/-0.000 χ^2/NDF: 121.4/96

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 6117465.6/21

Left Out: 0.006+/-0.000 χ^2/NDF:8128513.8/24

Right Out: 0.007+/-0.000 χ^2/NDF: 5374345.7/26

Left In: 0.005+/-0.000 χ^2/NDF:6937299.0/22

Left: 0.006+/-0.000 χ^2/NDF: 15093250.6/47

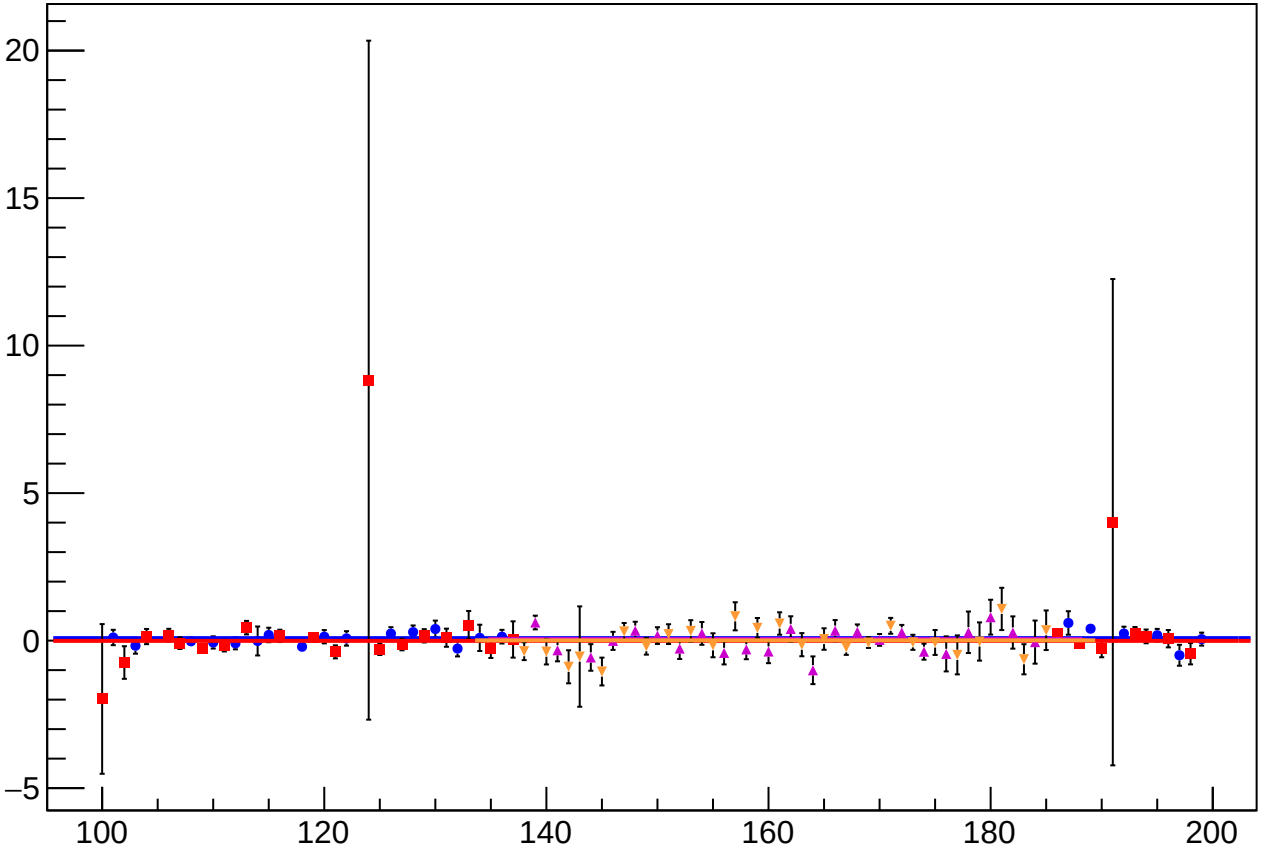
Right: 0.007+/-0.000 χ^2/NDF: 11495411.6/48

In: 0.006+/-0.000 χ^2/NDF:13774475.3/44

Out: 0.006+/-0.000 χ^2/NDF:14198612.3/51

All: 0.006+/-0.000 χ^2/NDF: 28015444.1/96

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.084+/-0.049 χ^2/NDF: 19.8/21

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.008+/-0.042 χ^2/NDF: 29.0/26

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

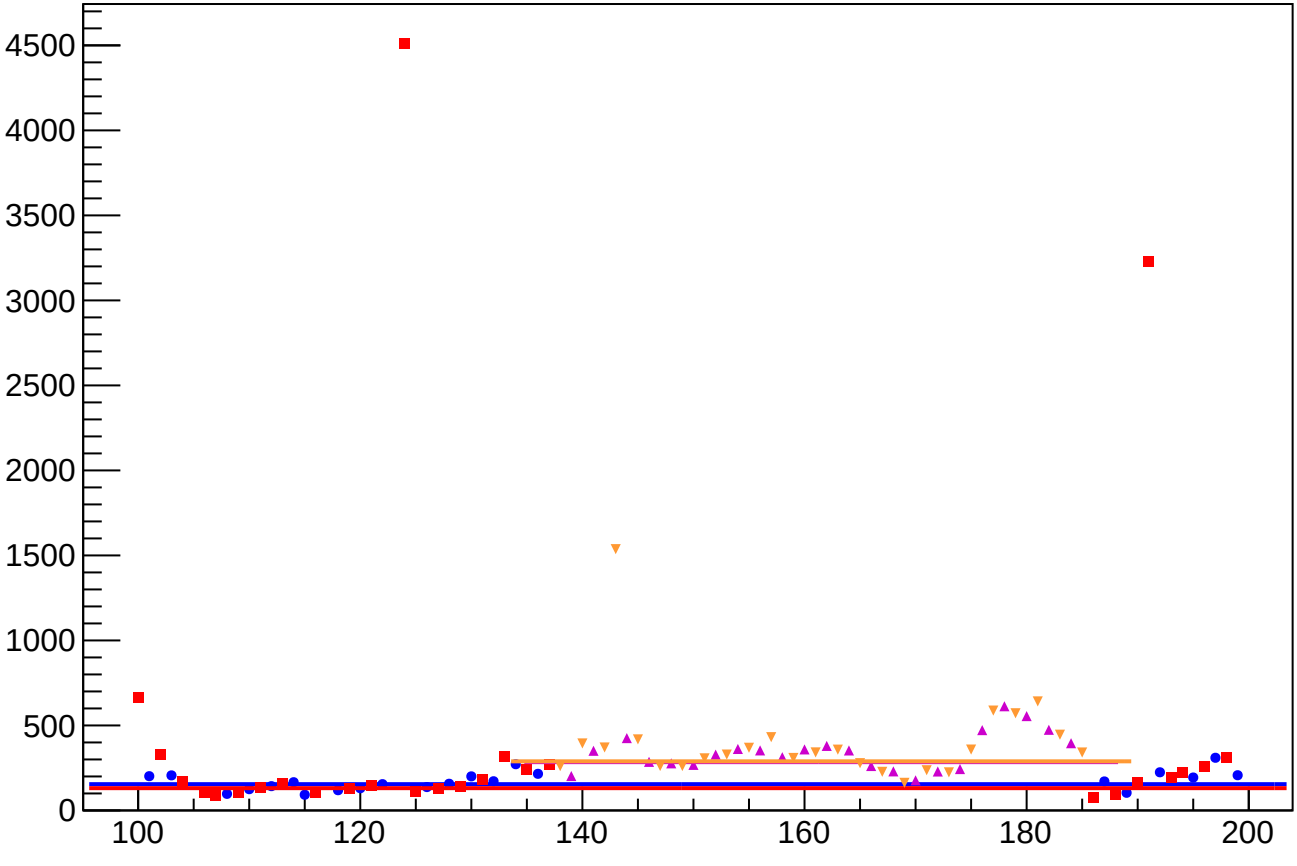
Right: 0.031+/-0.032 χ^2/NDF: 50.9/48

In: 0.074+/-0.040 χ^2/NDF:47.7/44

Out: -0.004+/-0.036 χ^2/NDF:57.9/51

All: 0.031+/-0.027 χ^2/NDF: 107.7/96

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 154.609+/-0.035 χ^2/NDF: 2003087.0/21

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

Right Out: 131.107+/-0.030 χ^2/NDF: 3952371.6/26

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

Left: 286.525+/-0.035 χ^2/NDF: 7730531.8/47

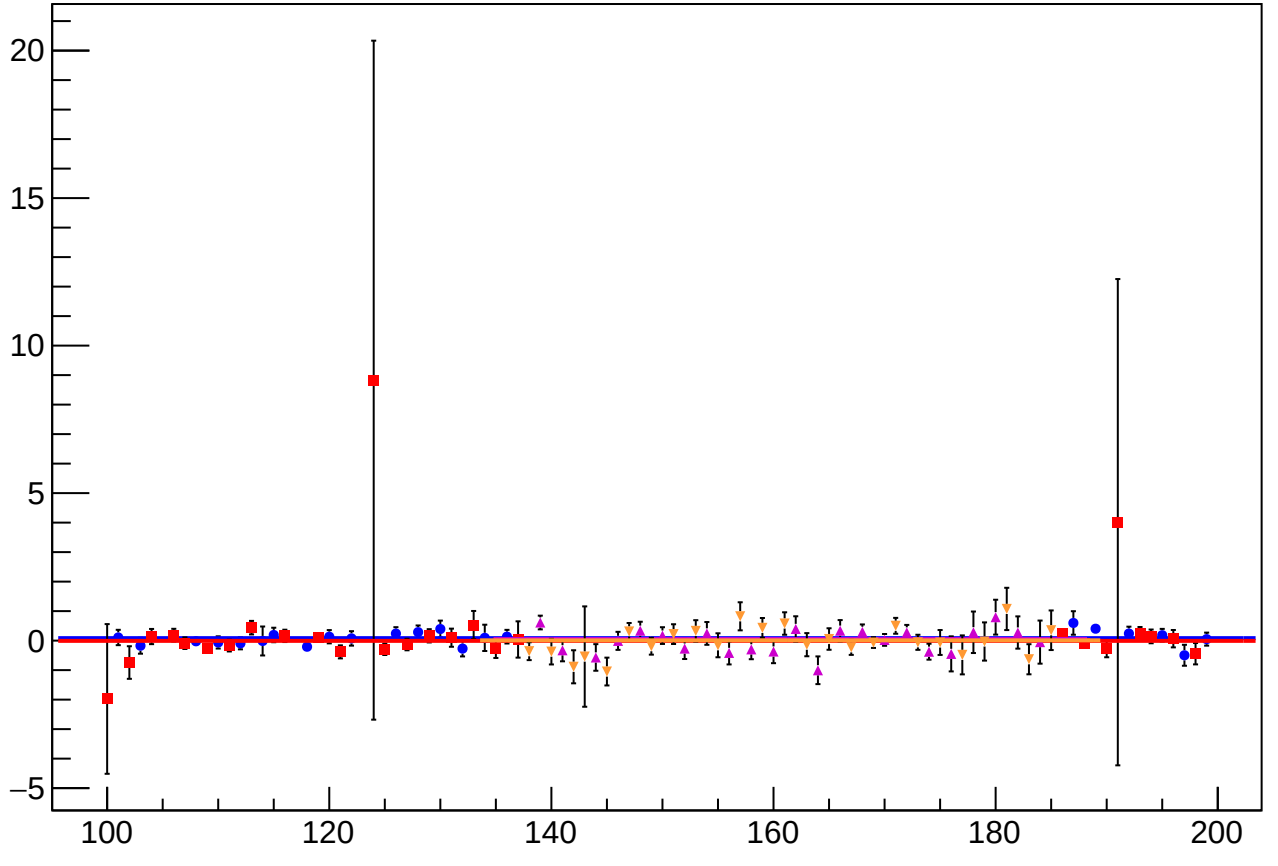
Right: 141.089+/-0.023 χ^2/NDF: 6221483.0/48

In: 196.741+/-0.028 χ^2/NDF:9651030.9/44

Out: 171.995+/-0.026 χ^2/NDF:15918031.3/51

All: 183.074+/-0.019 χ^2/NDF: 25988701.3/96

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.084+/-0.049 χ^2/NDF: 19.8/21

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.008+/-0.042 χ^2/NDF: 29.0/26

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

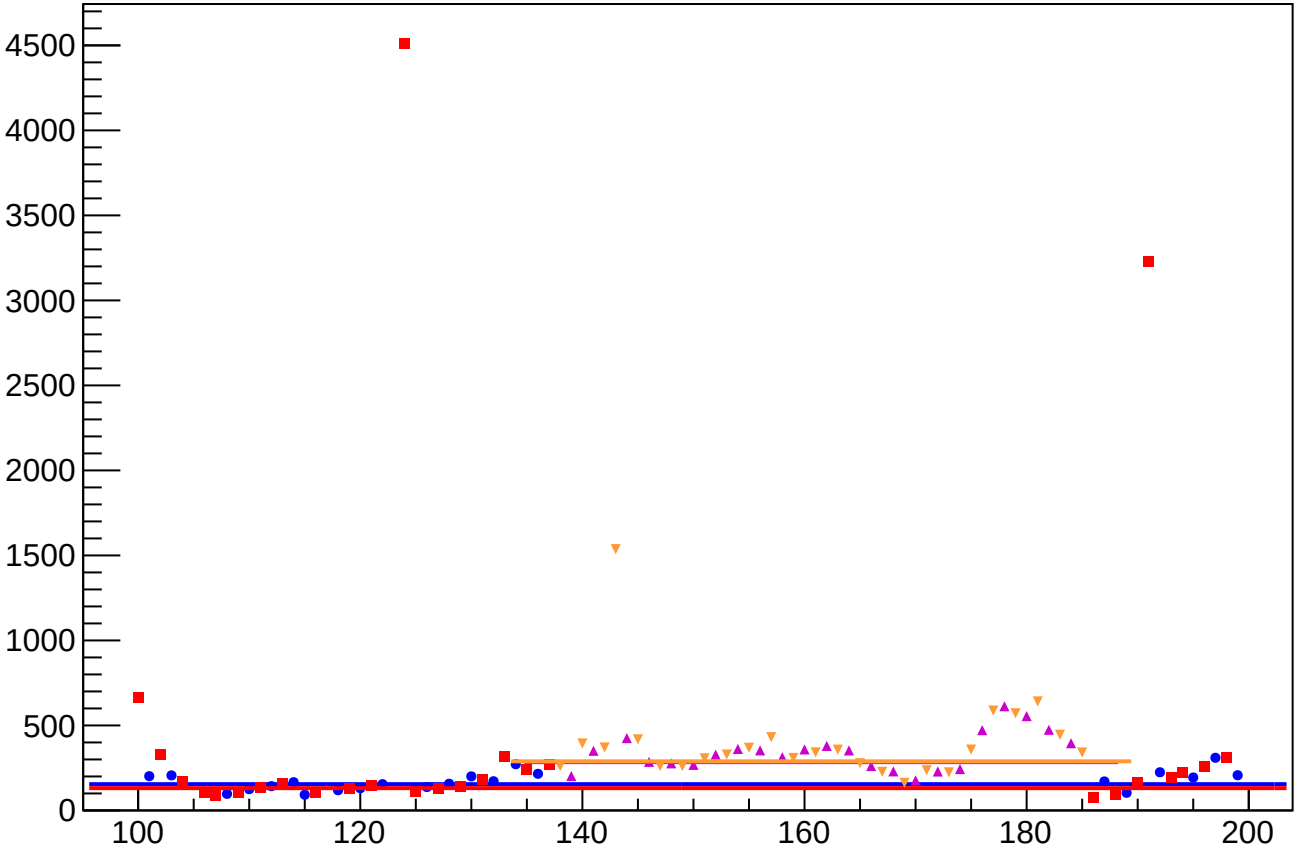
Right: 0.031+/-0.032 χ^2/NDF: 50.9/48

In: 0.074+/-0.040 χ^2/NDF:47.7/44

Out: -0.004+/-0.036 χ^2/NDF:57.9/51

All: 0.031+/-0.027 χ^2/NDF: 107.7/96

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 154.609+/-0.035 χ^2/NDF: 2003087.0/21

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

Right Out: 131.107+/-0.030 χ^2/NDF: 3952371.6/26

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

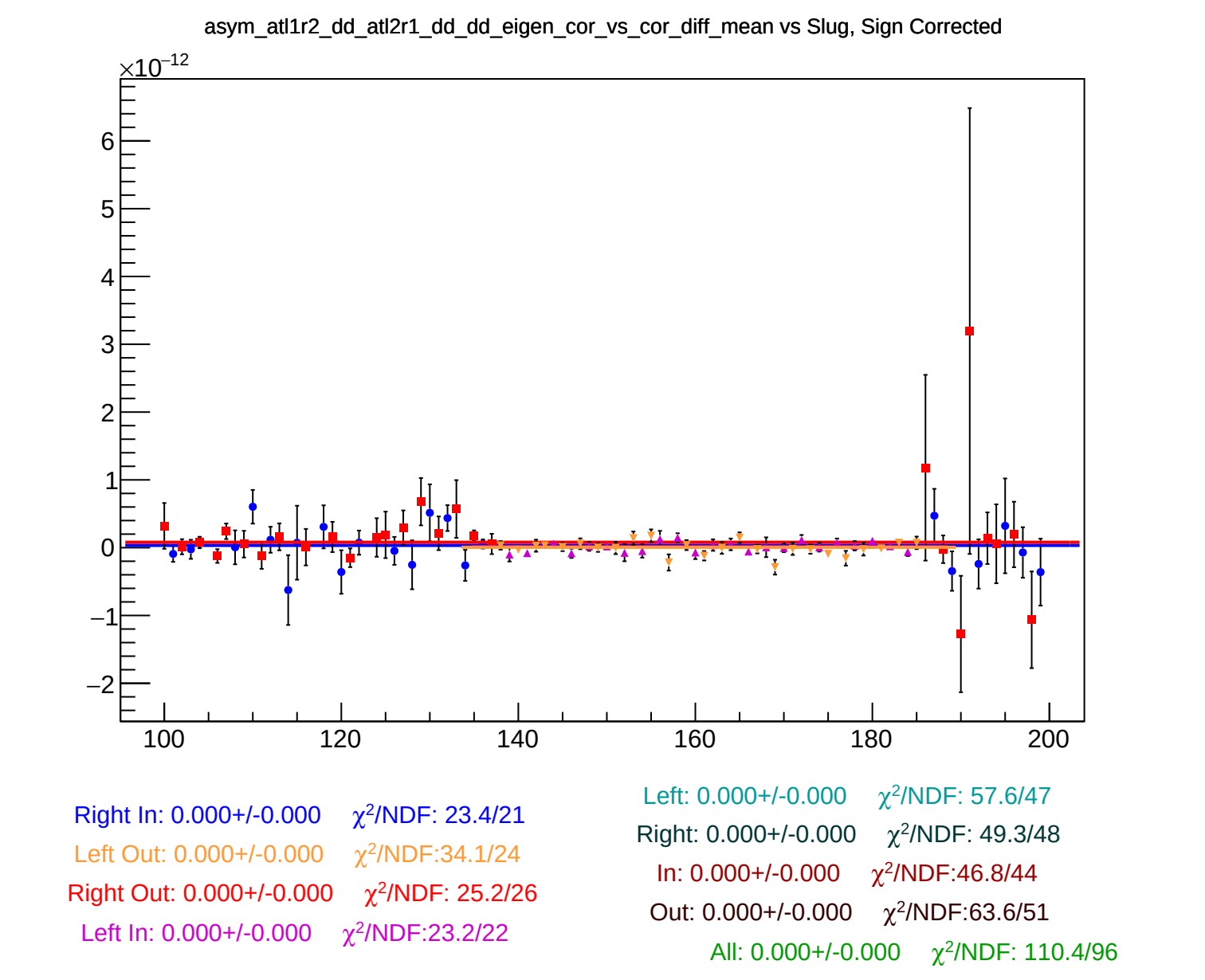
Left: 286.525+/-0.035 χ^2/NDF: 7730531.8/47

Right: 141.089+/-0.023 χ^2/NDF: 6221483.0/48

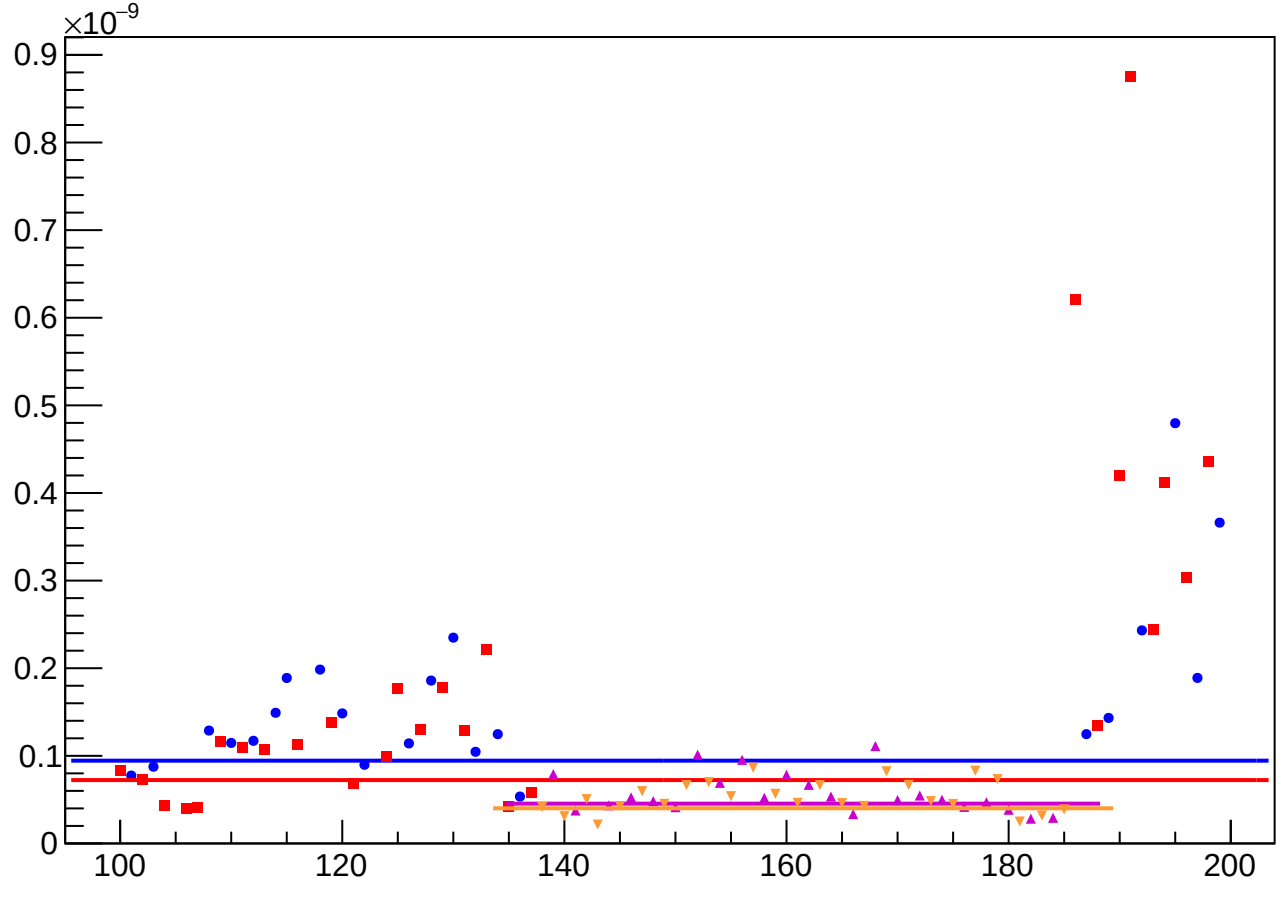
In: 196.741+/-0.028 χ^2/NDF:9651030.9/44

Out: 171.995+/-0.026 χ^2/NDF:15918031.3/51

All: 183.074+/-0.019 χ^2/NDF: 25988701.3/96


asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
6
5
4
3
2
1
0
−1
−2
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 23.4/21
Left Out: 0.000+/-0.000 χ²/NDF:34.1/24
Right Out: 0.000+/-0.000 χ²/NDF: 25.2/26
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: 49.3/48
In: 0.000+/-0.000 χ²/NDF:46.8/44
Out: 0.000+/-0.000 χ²/NDF:63.6/51
All: 0.000+/-0.000 χ²/NDF: 110.4/96

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: 3379504.1/21

Left Out: 0.000+/-0.000 χ^2/NDF:3609934.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5262858.4/26

Left In: 0.000+/-0.000 χ^2/NDF:2780344.5/22

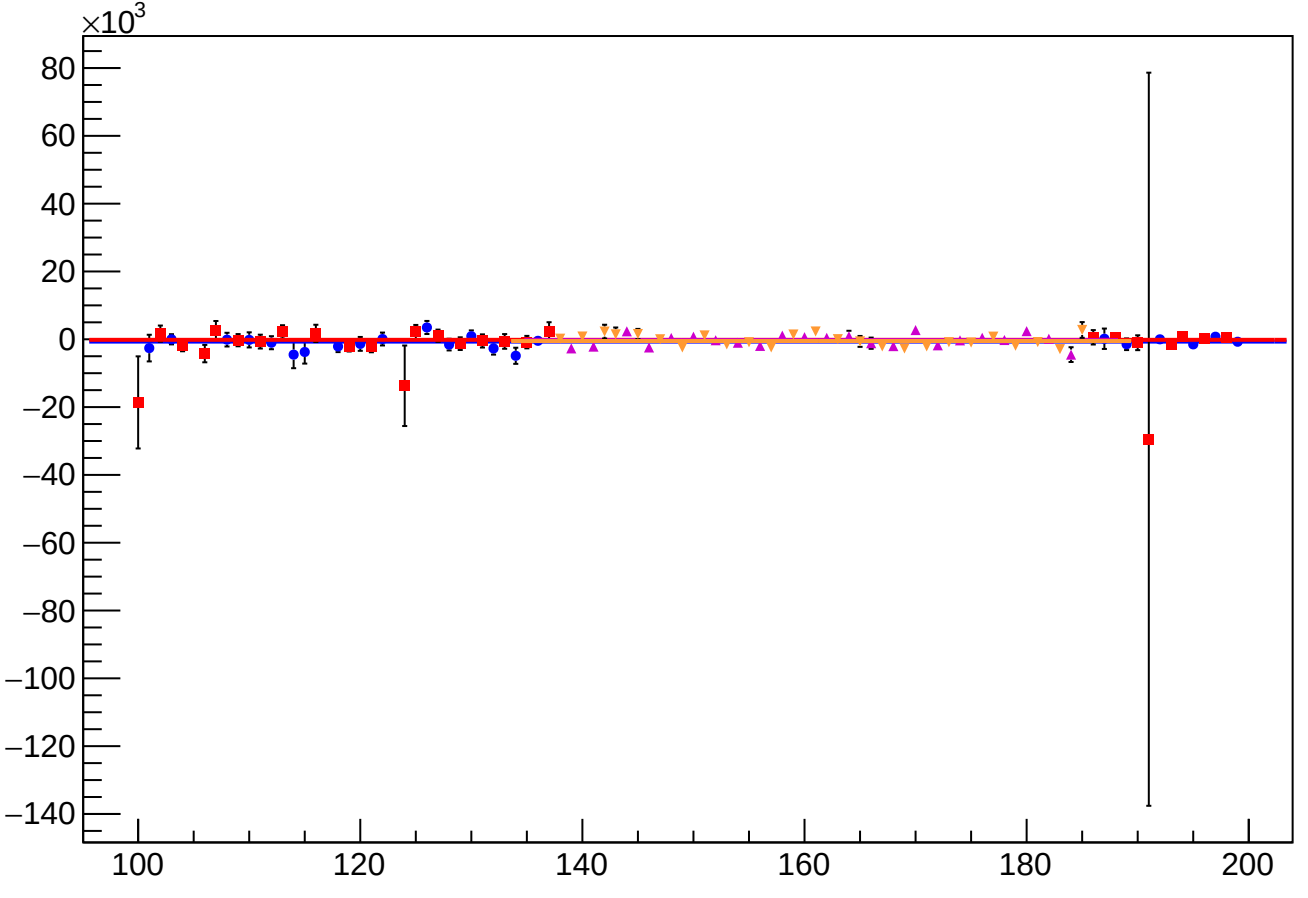
Left: 0.000+/-0.000 χ^2/NDF: 6559252.5/47

Right: 0.000+/-0.000 χ^2/NDF: 8990427.2/48

In: 0.000+/-0.000 χ^2/NDF:8707363.7/44

Out: 0.000+/-0.000 χ^2/NDF:10512283.4/51

All: 0.000+/-0.000 χ^2/NDF: 19484950.3/96



Right In: -681.214+/-382.300 χ^2/NDF: 15.4/21

Left Out: -514.484+/-285.945 χ^2/NDF:30.9/24

Right Out: -161.282+/-371.274 χ^2/NDF: 18.2/26

Left In: -242.686+/-291.166 χ^2/NDF:32.0/22

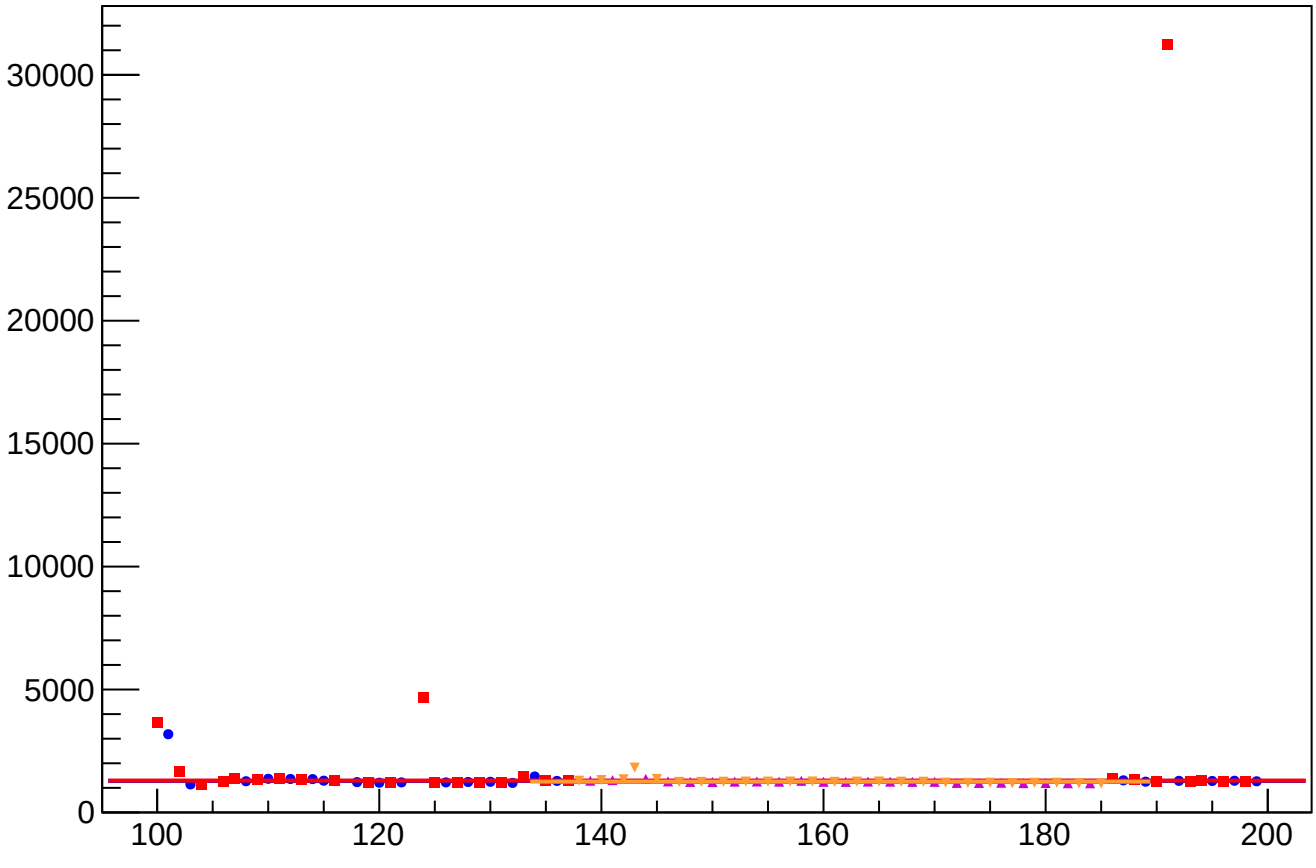
Left: -381.044+/-204.014 χ^2/NDF: 63.4/47

Right: -413.643+/-266.343 χ^2/NDF: 34.5/48

In: -403.675+/-231.635 χ^2/NDF:48.3/44

Out: -382.981+/-226.544 χ^2/NDF:49.6/51

All: -393.098+/-161.961 χ^2/NDF: 97.9/96



Right In: 1283.048+/-0.270 χ^2/NDF: 519291.2/21

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.1/24

Right Out: 1296.181+/-0.263 χ^2/NDF: 490057.0/26

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

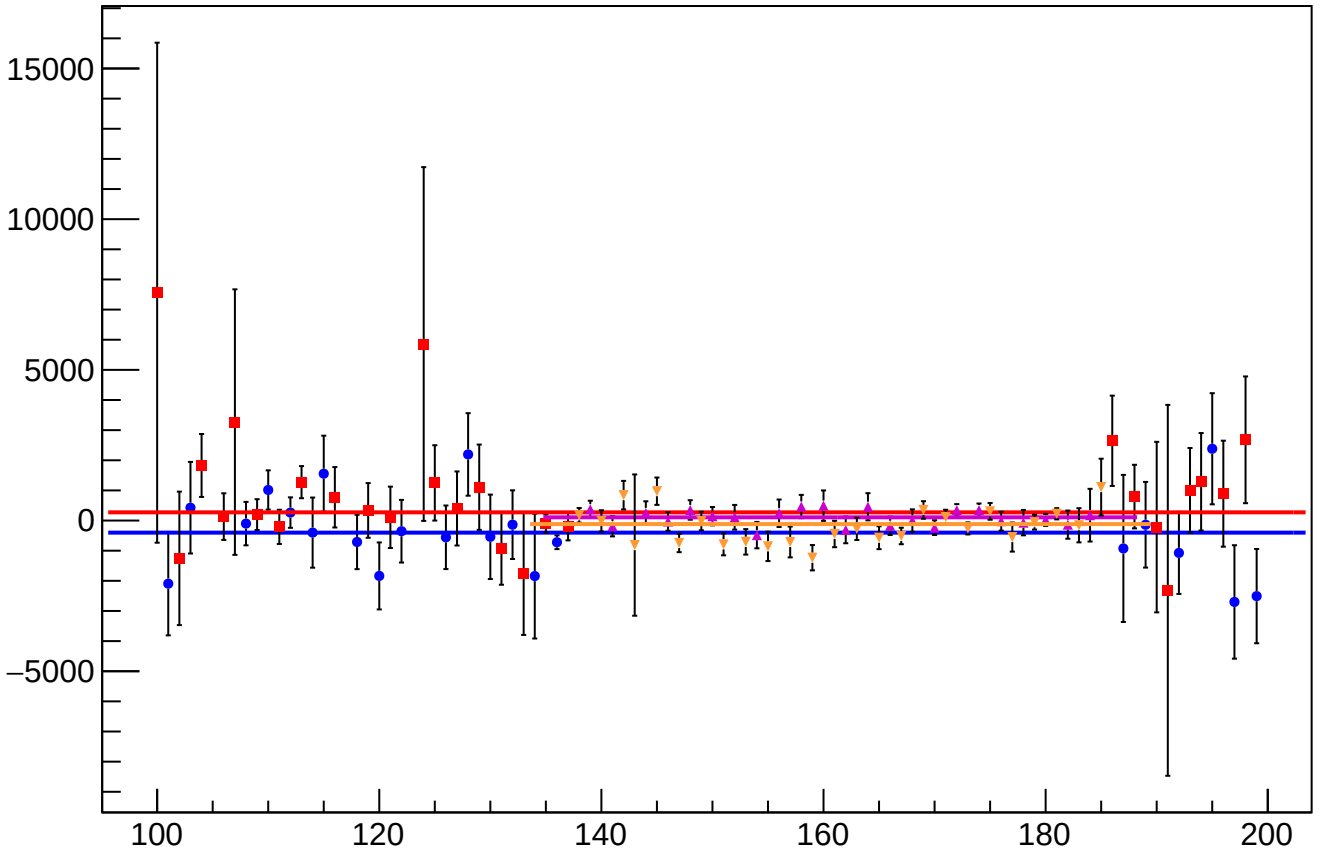
Left: 1251.017+/-0.144 χ^2/NDF: 243988.6/47

Right: 1289.807+/-0.188 χ^2/NDF: 1010562.9/48

In: 1259.825+/-0.164 χ^2/NDF:570809.2/44

Out: 1270.655+/-0.160 χ^2/NDF:708242.6/51

All: 1265.360+/-0.115 χ^2/NDF: 1281286.3/96



Right In: -400.998+/-163.227 χ^2/NDF: 24.1/21

Left Out: -117.028+/-65.059 χ^2/NDF:48.4/24

Right Out: 272.421+/-162.841 χ^2/NDF: 20.0/26

Left In: 107.341+/-67.001 χ^2/NDF:13.7/22

Left: -8.142+/-46.675 χ^2/NDF: 67.9/47

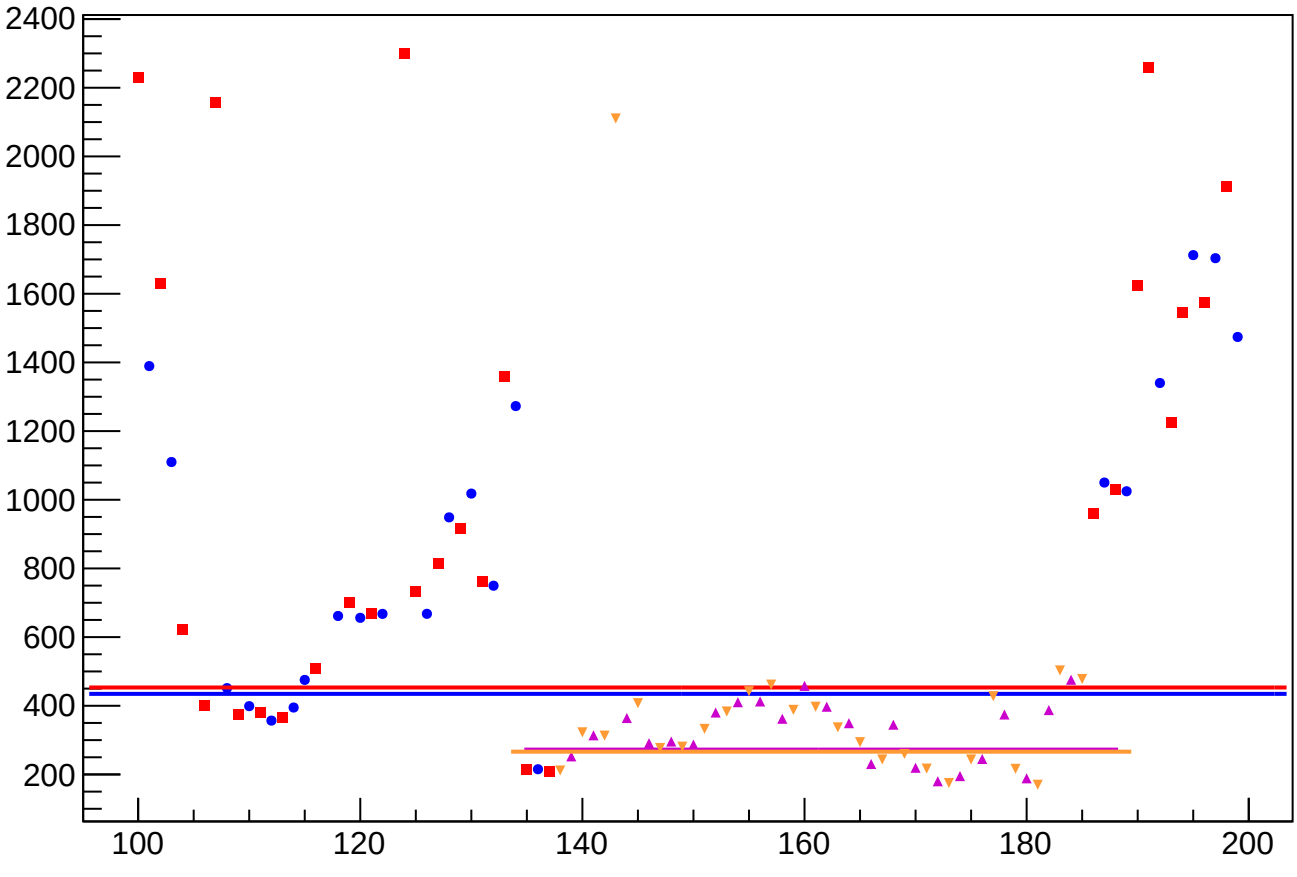
Right: -63.489+/-115.282 χ^2/NDF: 52.6/48

In: 34.042+/-61.982 χ^2/NDF:46.1/44

Out: -63.421+/-60.416 χ^2/NDF:73.3/51

All: -15.937+/-43.264 χ^2/NDF: 120.7/96

asym_atl1r2_dd_atl2r1_dd_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 434.701+/-0.115 χ^2/NDF: 8536607.4/21

Left Out: 266.321+/-0.046 χ^2/NDF:4630130.4/24

Right Out: 453.268+/-0.115 χ^2/NDF: 9033080.8/26

Left In: 272.368+/-0.047 χ^2/NDF:2887823.5/22

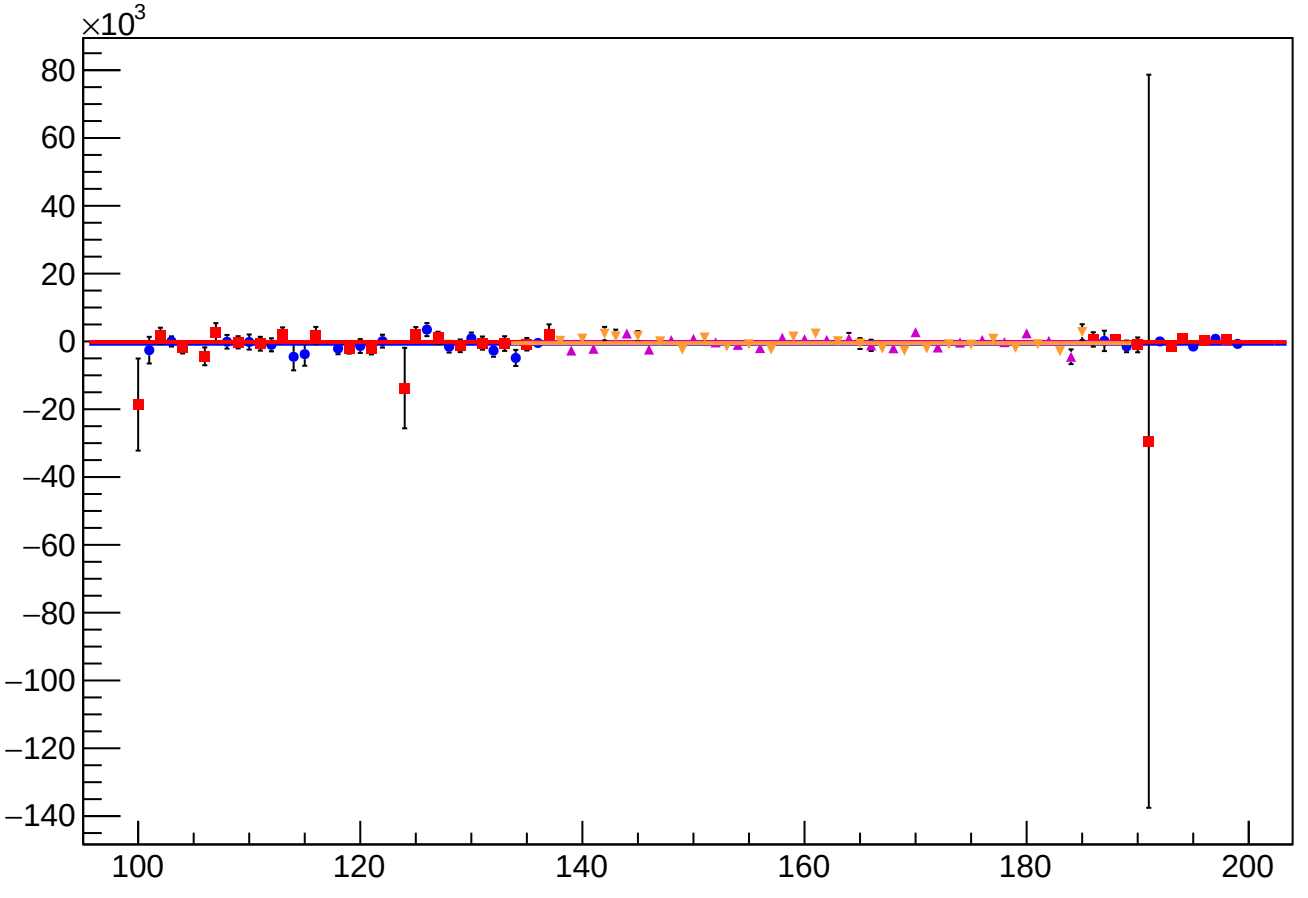
Left: 269.255+/-0.033 χ^2/NDF: 7526339.3/47

Right: 444.006+/-0.082 χ^2/NDF: 17582657.3/48

In: 295.775+/-0.044 χ^2/NDF:13117339.4/44

Out: 292.054+/-0.043 χ^2/NDF:15936346.4/51

All: 293.867+/-0.031 χ^2/NDF: 29057383.5/96



Right In: -681.006+/-382.300 χ^2/NDF: 15.4/21

Left Out: -514.430+/-285.945 χ^2/NDF:30.9/24

Right Out: -159.506+/-371.507 χ^2/NDF: 18.2/26

Left In: -242.663+/-291.166 χ^2/NDF:32.0/22

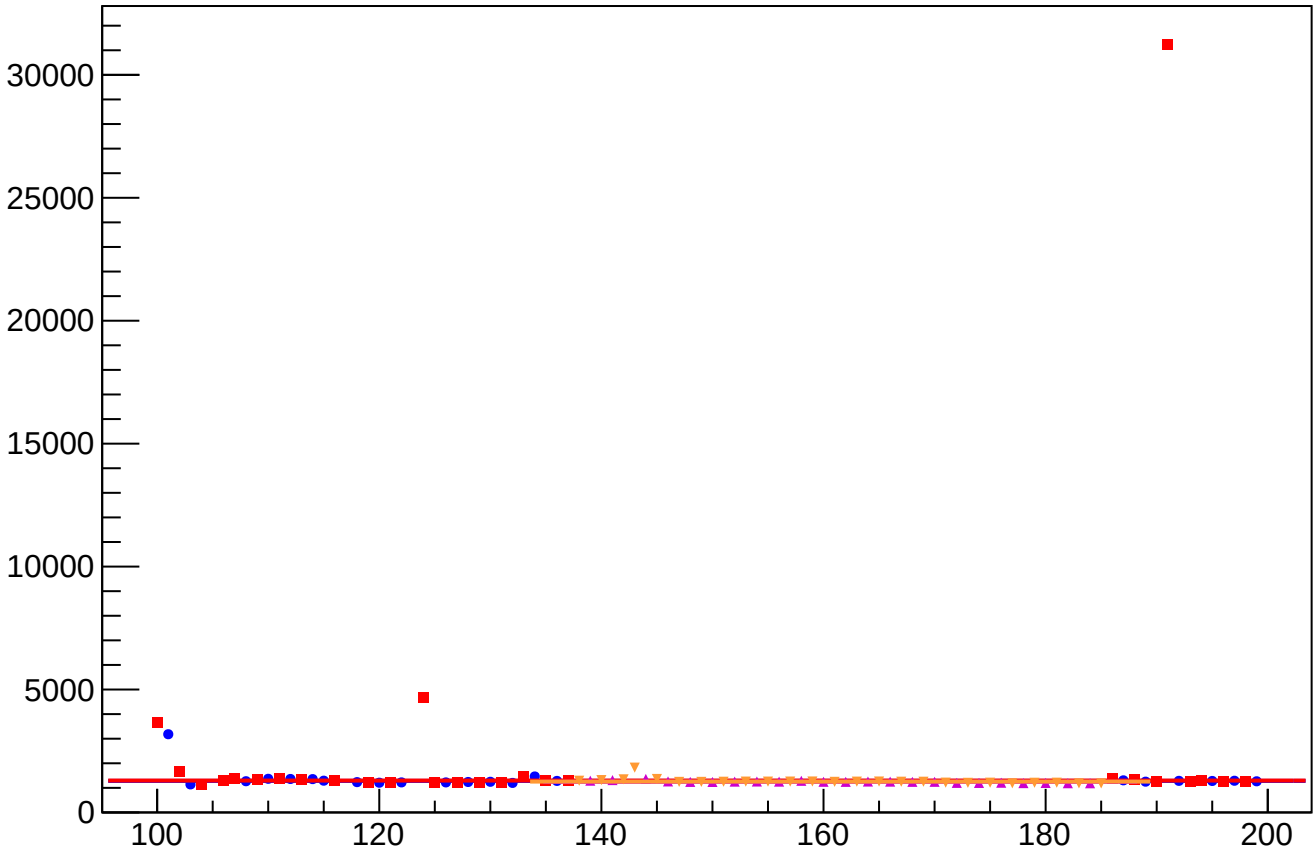
Left: -381.005+/-204.014 χ^2/NDF: 63.4/47

Right: -412.791+/-266.429 χ^2/NDF: 34.6/48

In: -403.584+/-231.635 χ^2/NDF:48.3/44

Out: -382.389+/-226.596 χ^2/NDF:49.7/51

All: -392.754+/-161.980 χ^2/NDF: 98.0/96



Right In: 1283.048+/-0.270 χ^2/NDF: 519292.7/21

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.0/24

Right Out: 1297.028+/-0.263 χ^2/NDF: 489730.4/26

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

Left: 1251.017+/-0.144 χ^2/NDF: 243988.6/47

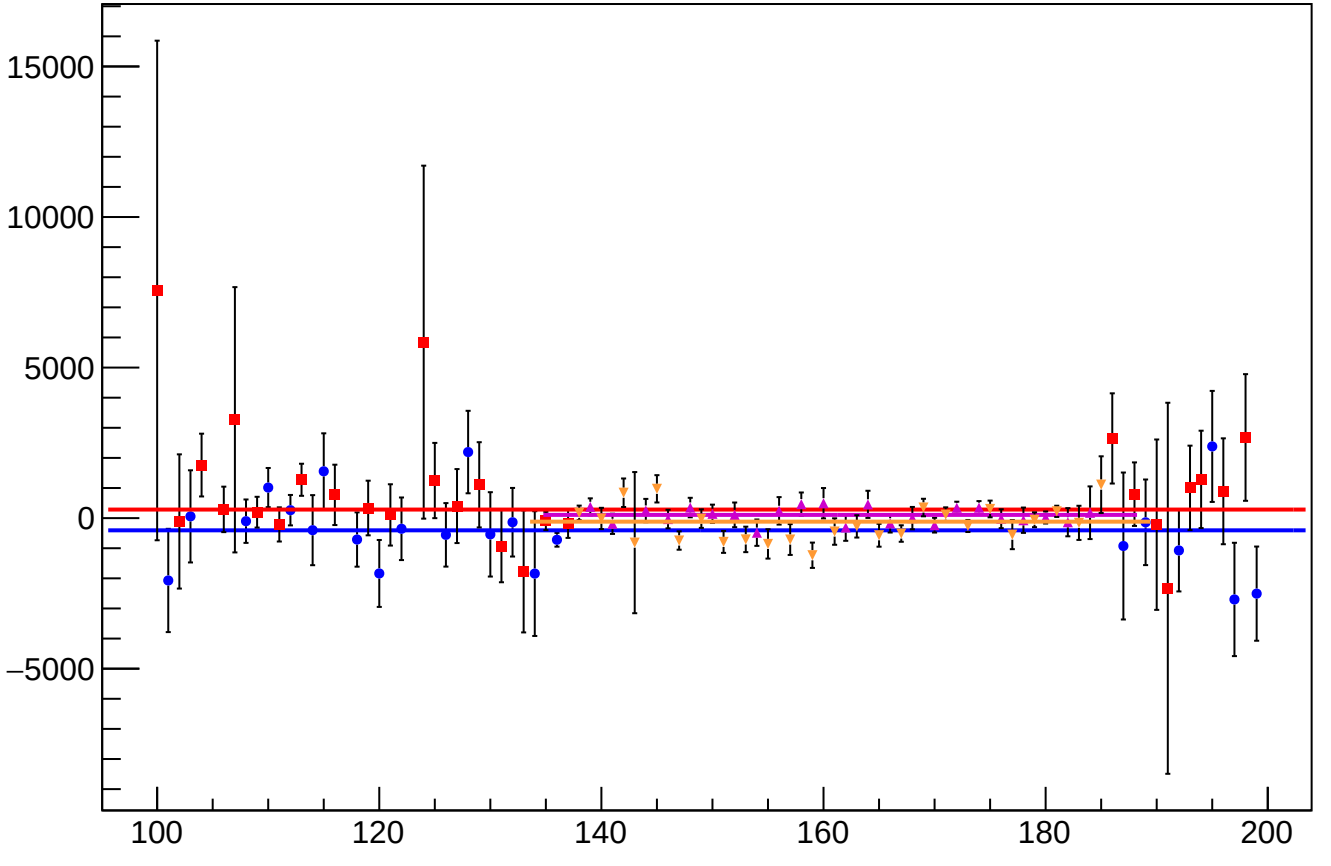
Right: 1290.238+/-0.188 χ^2/NDF: 1010398.6/48

In: 1259.825+/-0.164 χ^2/NDF:570810.5/44

Out: 1270.958+/-0.160 χ^2/NDF:708537.5/51

All: 1265.514+/-0.115 χ^2/NDF: 1281708.8/96

asym_atl1r2_dd_atl2r1_dd_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -405.193+/-163.245 χ^2/NDF: 23.9/21

Left Out: -117.002+/-65.060 χ^2/NDF:48.4/24

Right Out: 284.416+/-162.665 χ^2/NDF: 19.3/26

Left In: 107.459+/-67.003 χ^2/NDF:13.7/22

Left: -8.072+/-46.676 χ^2/NDF: 68.0/47

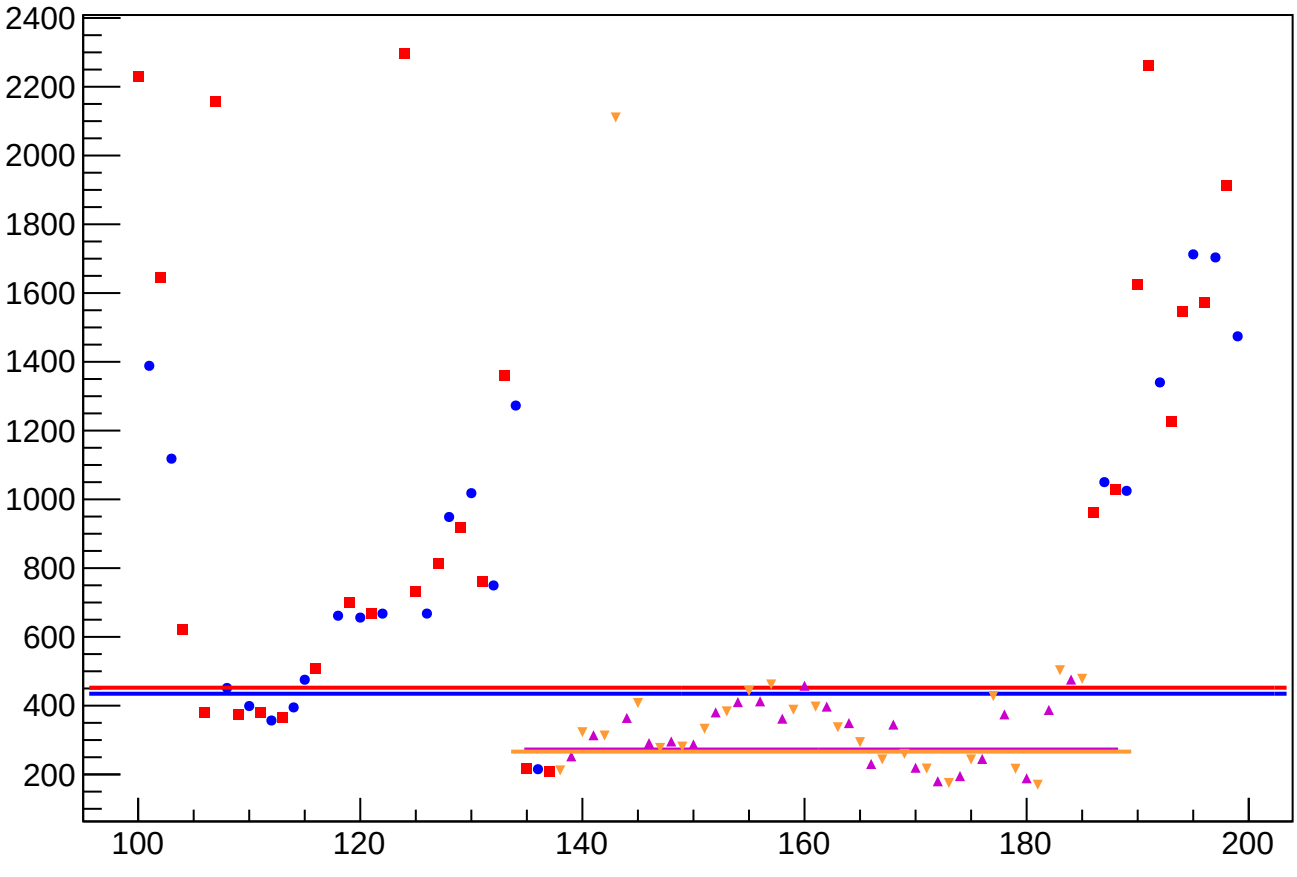
Right: -59.161+/-115.226 χ^2/NDF: 52.1/48

In: 33.548+/-61.985 χ^2/NDF:46.0/44

Out: -61.643+/-60.408 χ^2/NDF:73.0/51

All: -15.274+/-43.261 χ^2/NDF: 120.2/96

asym_atl1r2_dd_atl2r1_dd_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 434.705+/-0.115 χ^2/NDF: 8539775.0/21

Left Out: 266.326+/-0.046 χ^2/NDF:4630167.4/24

Right Out: 452.251+/-0.115 χ^2/NDF: 9048649.2/26

Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

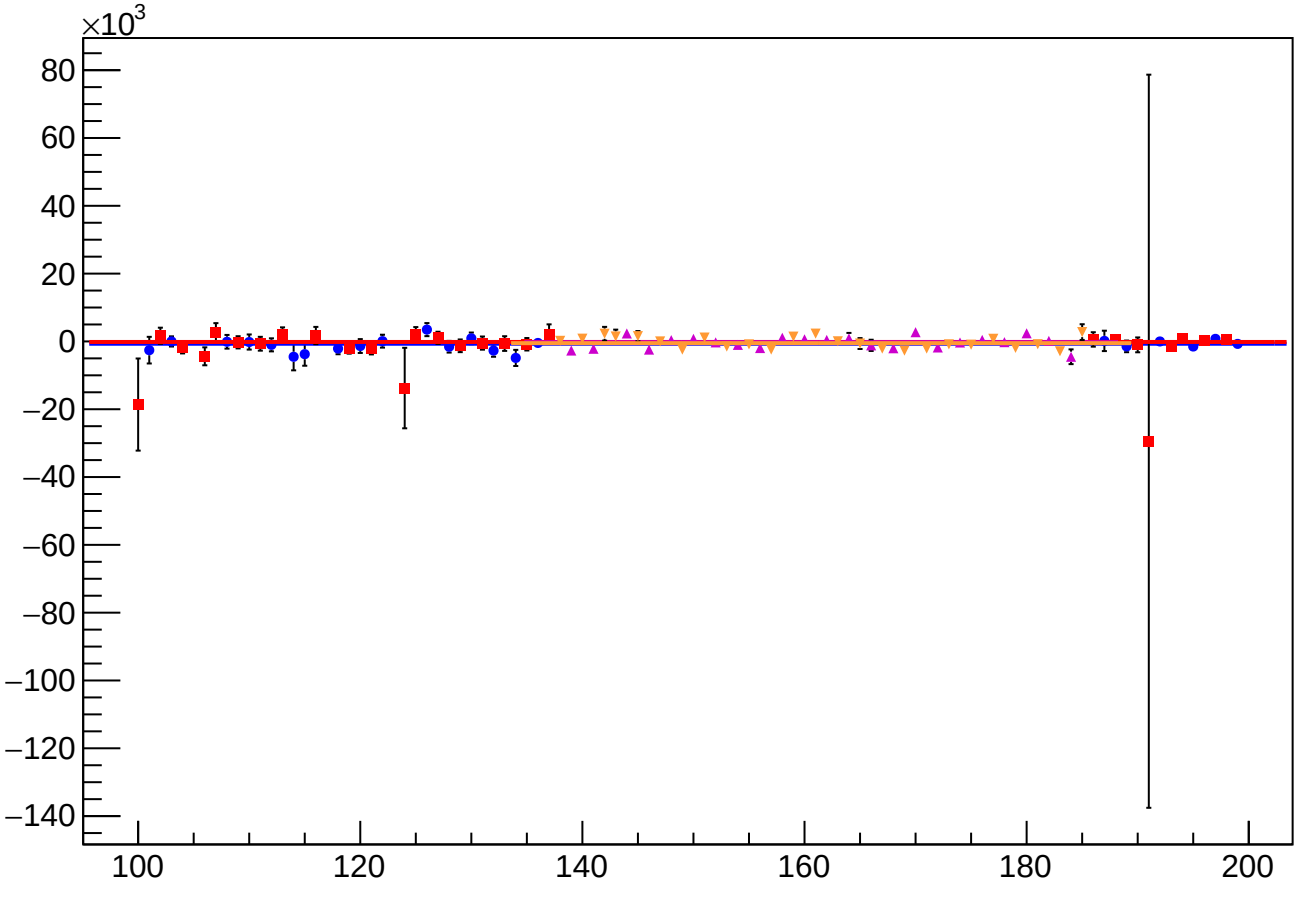
Left: 269.263+/-0.033 χ^2/NDF: 7526161.0/47

Right: 443.509+/-0.081 χ^2/NDF: 17600016.6/48

In: 295.781+/-0.044 χ^2/NDF:13119837.7/44

Out: 291.967+/-0.043 χ^2/NDF:15931316.9/51

All: 293.825+/-0.031 χ^2/NDF: 29055038.3/96



Right In: -681.006+/-382.300 χ^2/NDF: 15.4/21

Left Out: -514.430+/-285.945 χ^2/NDF:30.9/24

Right Out: -159.506+/-371.507 χ^2/NDF: 18.2/26

Left In: -242.663+/-291.166 χ^2/NDF:32.0/22

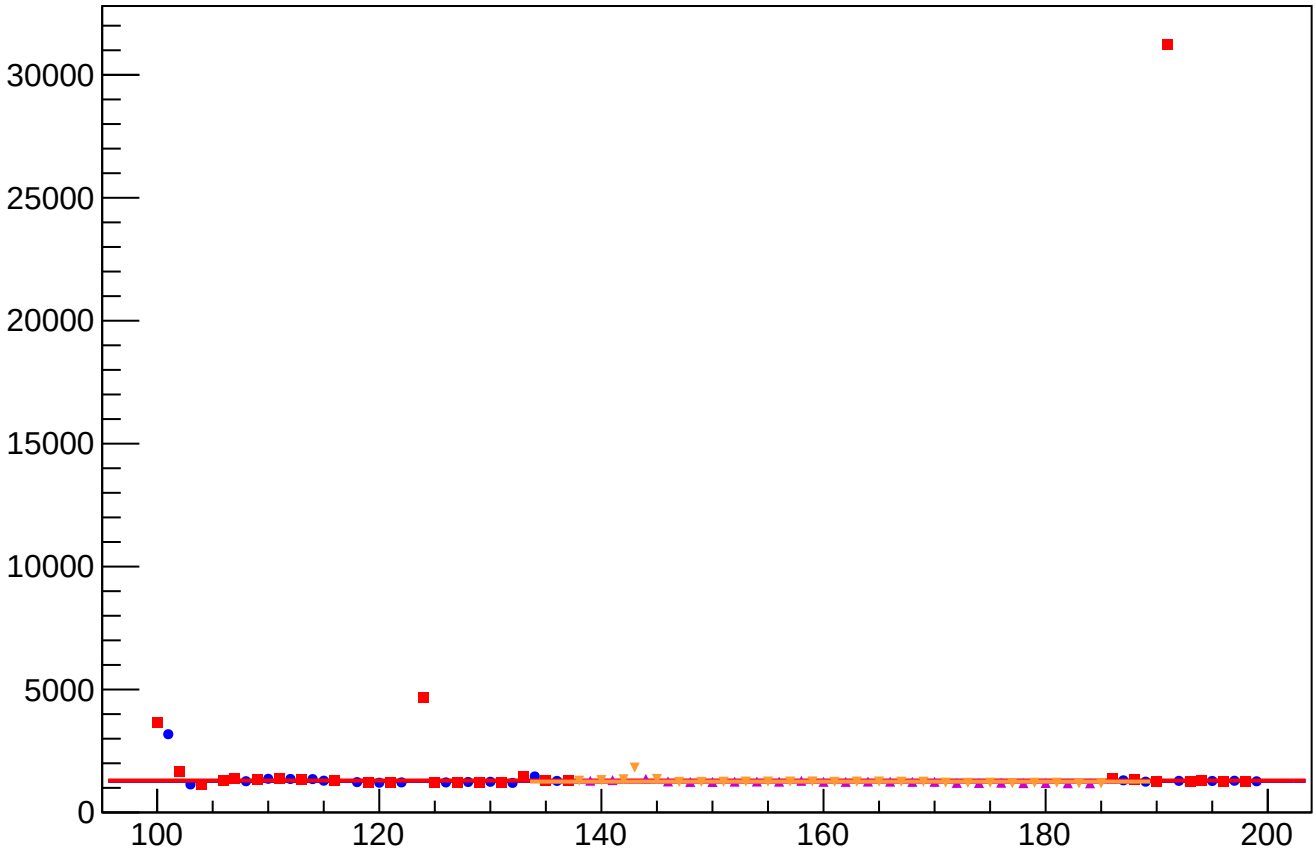
Left: -381.005+/-204.014 χ^2/NDF: 63.4/47

Right: -412.791+/-266.429 χ^2/NDF: 34.6/48

In: -403.584+/-231.635 χ^2/NDF:48.3/44

Out: -382.389+/-226.596 χ^2/NDF:49.7/51

All: -392.754+/-161.980 χ^2/NDF: 98.0/96



Right In: 1283.048+/-0.270 χ^2/NDF: 519292.7/21

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.0/24

Right Out: 1297.028+/-0.263 χ^2/NDF: 489730.4/26

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

Left: 1251.017+/-0.144 χ^2/NDF: 243988.6/47

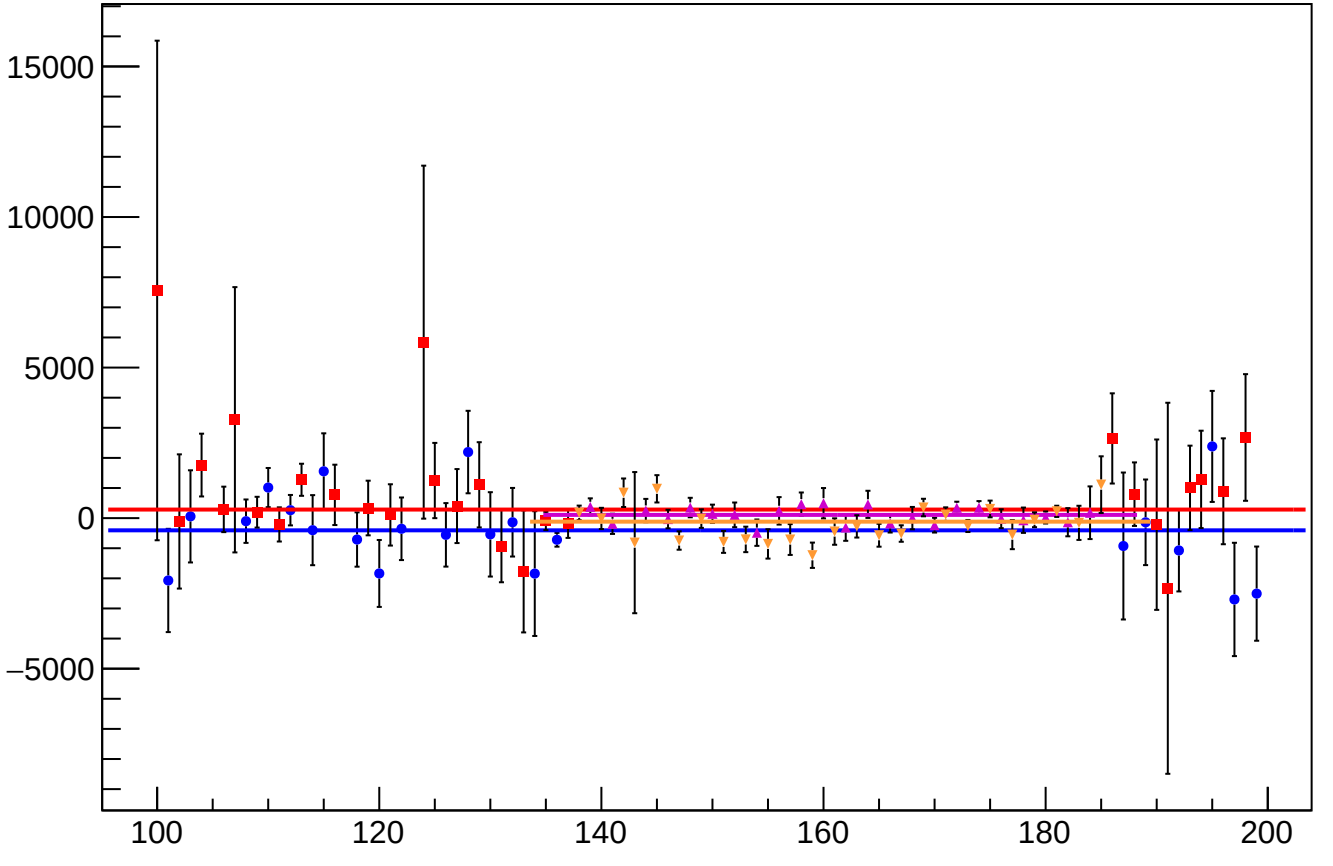
Right: 1290.238+/-0.188 χ^2/NDF: 1010398.6/48

In: 1259.825+/-0.164 χ^2/NDF:570810.5/44

Out: 1270.958+/-0.160 χ^2/NDF:708537.5/51

All: 1265.514+/-0.115 χ^2/NDF: 1281708.8/96

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -405.193+/-163.245 χ^2/NDF: 23.9/21

Left Out: -117.002+/-65.060 χ^2/NDF:48.4/24

Right Out: 284.416+/-162.665 χ^2/NDF: 19.3/26

Left In: 107.459+/-67.003 χ^2/NDF:13.7/22

Left: -8.072+/-46.676 χ^2/NDF: 68.0/47

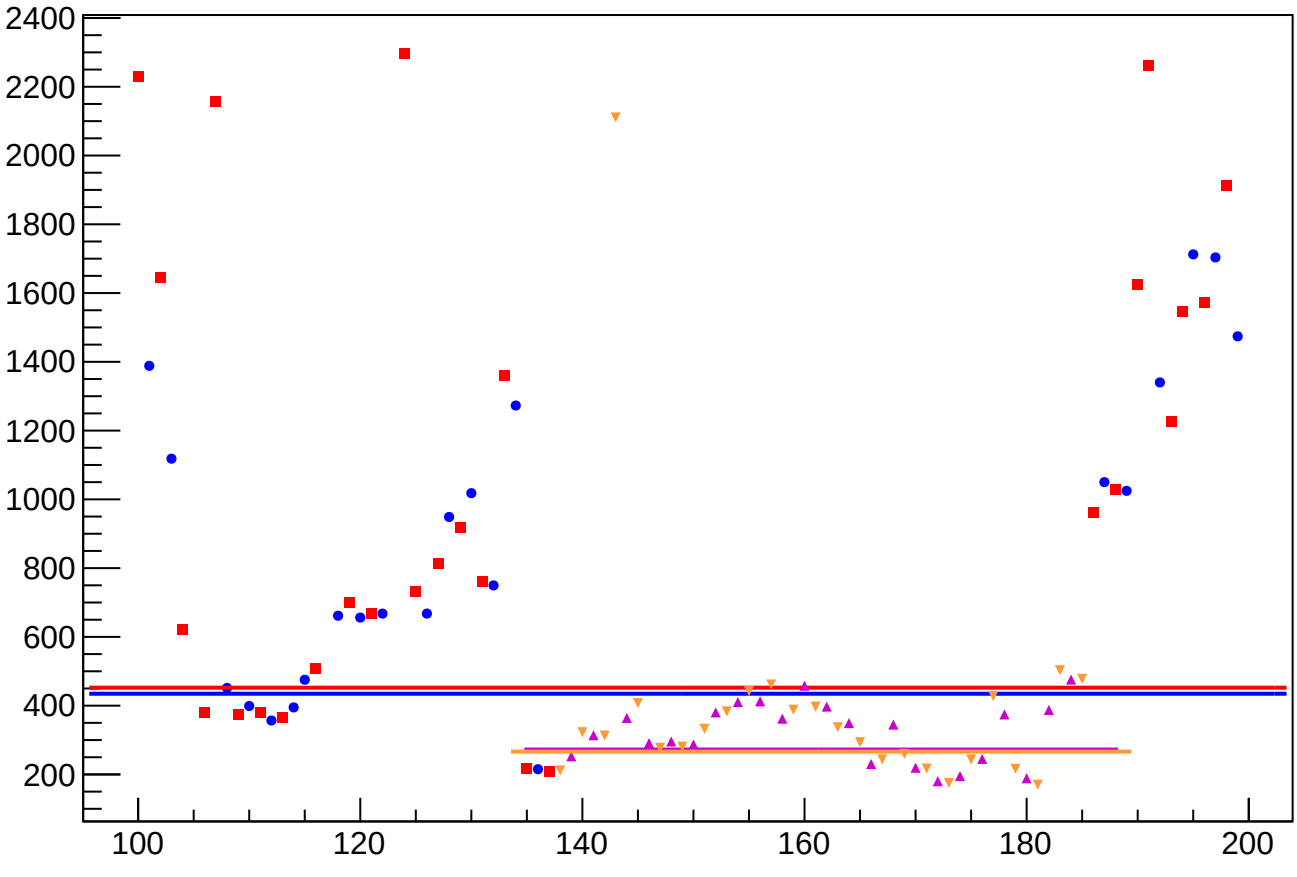
Right: -59.161+/-115.226 χ^2/NDF: 52.1/48

In: 33.548+/-61.985 χ^2/NDF:46.0/44

Out: -61.643+/-60.408 χ^2/NDF:73.0/51

All: -15.274+/-43.261 χ^2/NDF: 120.2/96

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 434.705+/-0.115 χ^2/NDF: 8539775.0/21

Left Out: 266.326+/-0.046 χ^2/NDF:4630167.4/24

Right Out: 452.251+/-0.115 χ^2/NDF: 9048649.2/26

Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

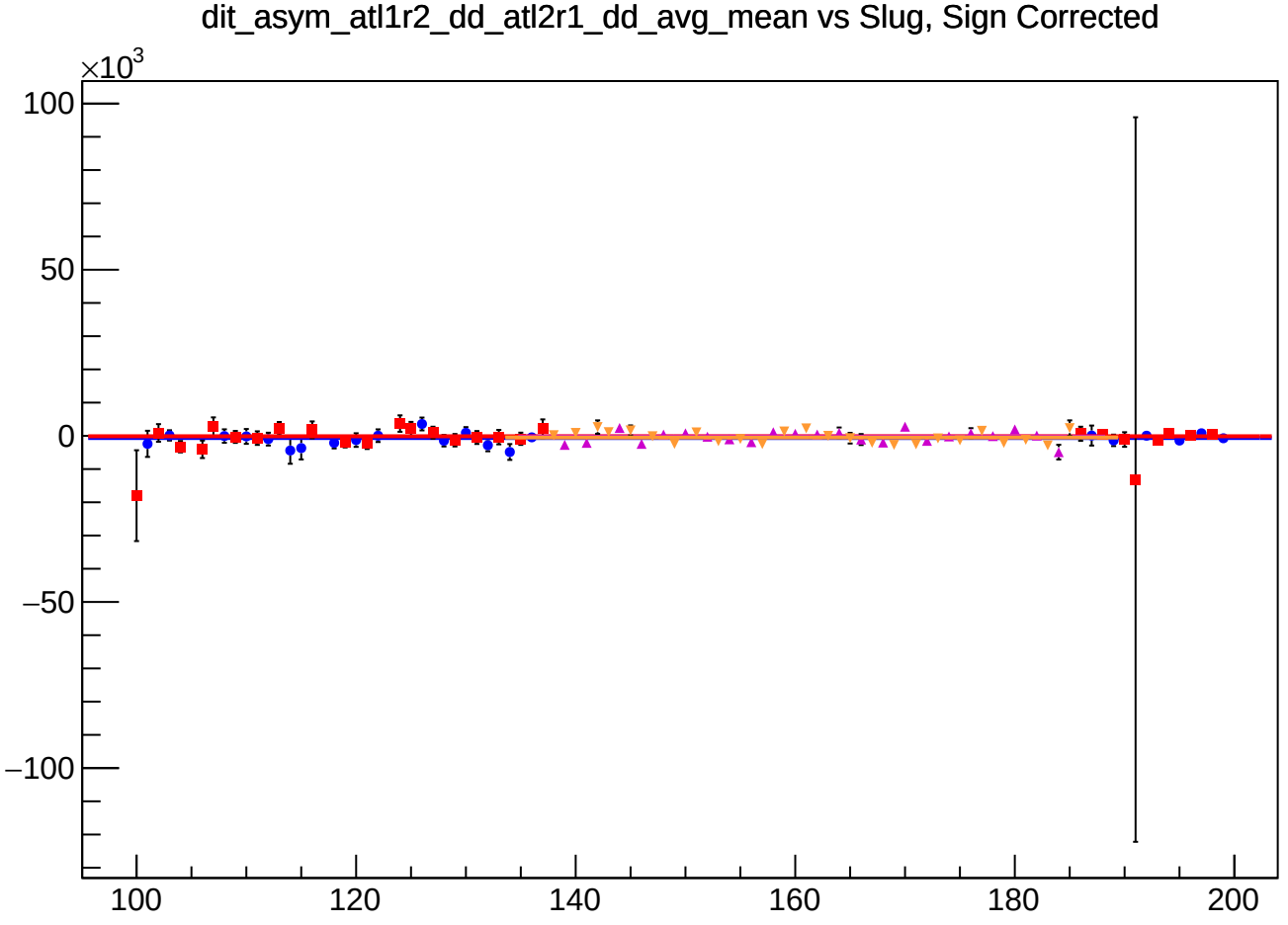
Left: 269.263+/-0.033 χ^2/NDF: 7526161.0/47

Right: 443.509+/-0.081 χ^2/NDF: 17600016.6/48

In: 295.781+/-0.044 χ^2/NDF:13119837.7/44

Out: 291.967+/-0.043 χ^2/NDF:15931316.9/51

All: 293.825+/-0.031 χ^2/NDF: 29055038.3/96



Right In: -650.452+/-383.729 χ^2/NDF: 15.5/21

Left Out: -493.436+/-282.734 χ^2/NDF:34.2/24

Right Out: -130.149+/-370.156 χ^2/NDF: 20.1/26

Left In: -242.004+/-294.339 χ^2/NDF:30.7/22

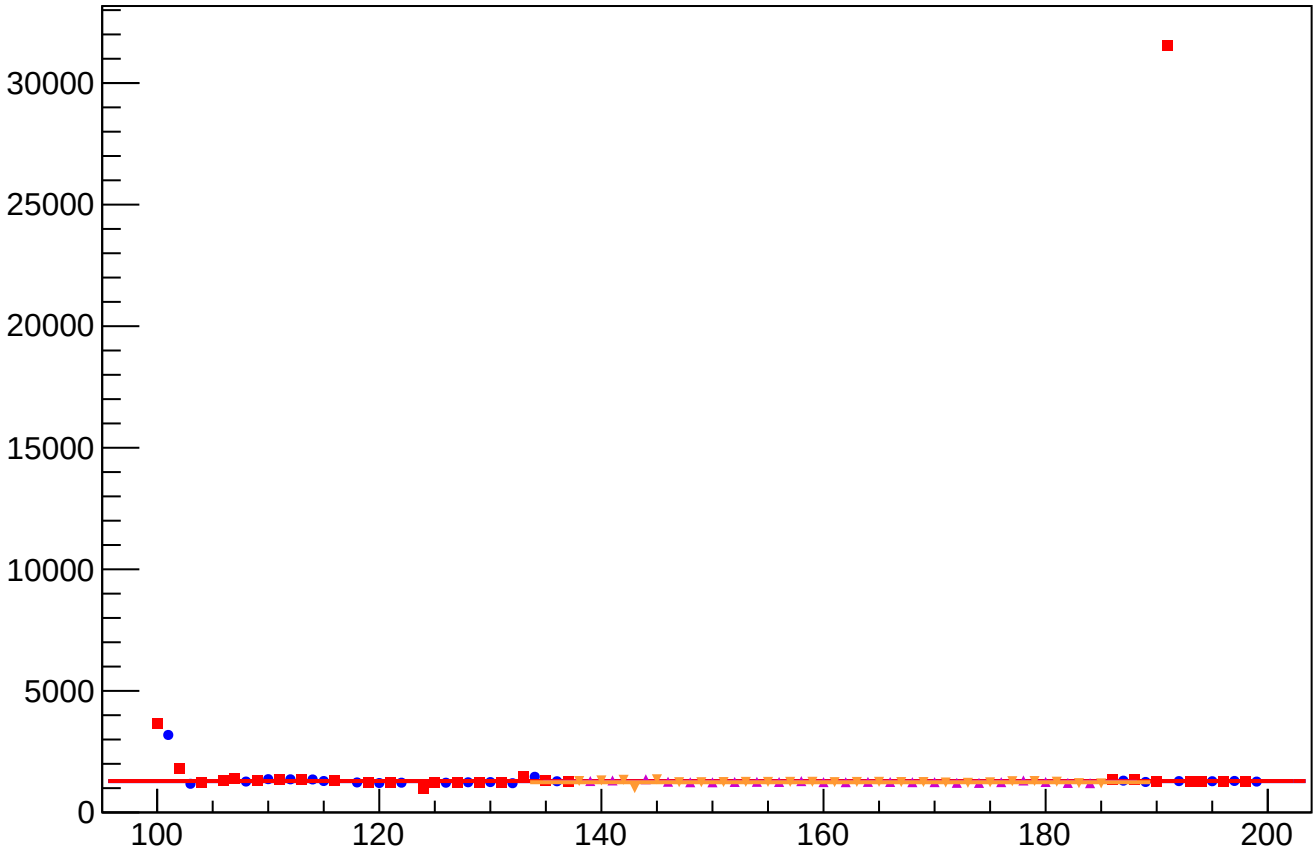
Left: -372.774+/-203.903 χ^2/NDF: 65.3/47

Right: -380.935+/-266.409 χ^2/NDF: 36.6/48

In: -393.302+/-233.546 χ^2/NDF:46.9/44

Out: -359.579+/-224.687 χ^2/NDF:55.0/51

All: -375.789+/-161.919 χ^2/NDF: 101.9/96



Right In: 1288.005+/-0.271 χ^2/NDF: 510850.3/21

Left Out: 1242.539+/-0.200 χ^2/NDF:130023.1/24

Right Out: 1292.586+/-0.262 χ^2/NDF: 372231.4/26

Left In: 1260.094+/-0.208 χ^2/NDF:27932.1/22

Left: 1250.964+/-0.144 χ^2/NDF: 161655.2/47

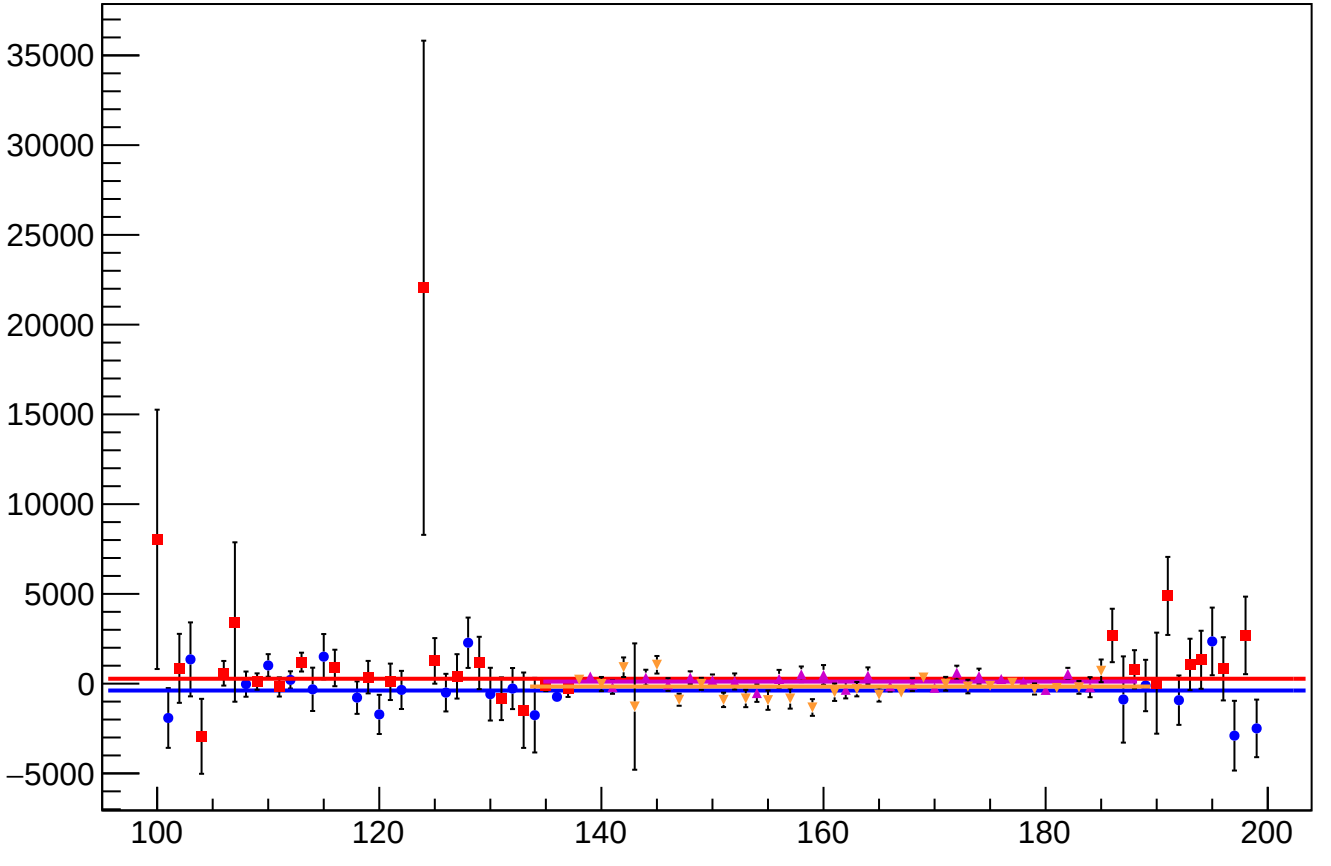
Right: 1290.378+/-0.188 χ^2/NDF: 883229.3/48

In: 1270.433+/-0.165 χ^2/NDF:545444.1/44

Out: 1260.980+/-0.159 χ^2/NDF:525344.1/51

All: 1265.523+/-0.114 χ^2/NDF: 1072489.9/96

asym_atl1r2_dd_atl2r1_dd_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -382.742+/-164.981 χ^2/NDF: 24.2/21

Left Out: -160.930+/-64.133 χ^2/NDF:43.8/24

Right Out: 272.734+/-162.612 χ^2/NDF: 25.8/26

Left In: 113.722+/-68.841 χ^2/NDF:18.2/22

Left: -33.316+/-46.925 χ^2/NDF: 70.5/47

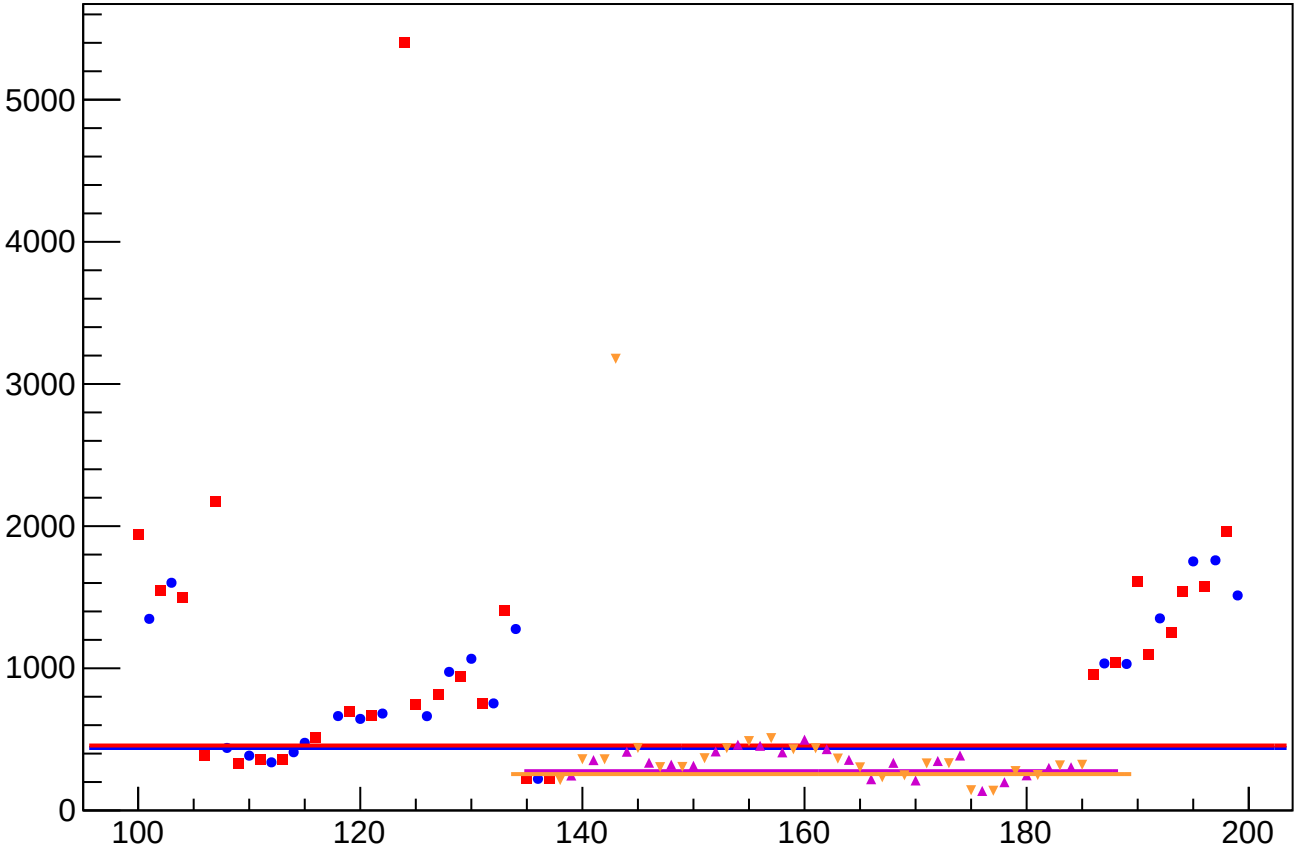
Right: -50.264+/-115.813 χ^2/NDF: 58.0/48

In: 40.101+/-63.532 χ^2/NDF:50.1/44

Out: -102.556+/-59.660 χ^2/NDF:75.7/51

All: -35.706+/-43.490 χ^2/NDF: 128.5/96

asym_atl1r2_dd_atl2r1_dd_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 439.420+/-0.117 χ^2/NDF: 8682969.7/21

Left Out: 255.768+/-0.045 χ^2/NDF:6373929.4/24

Right Out: 456.865+/-0.115 χ^2/NDF: 9557914.2/26

Left In: 276.298+/-0.049 χ^2/NDF:4027410.5/22

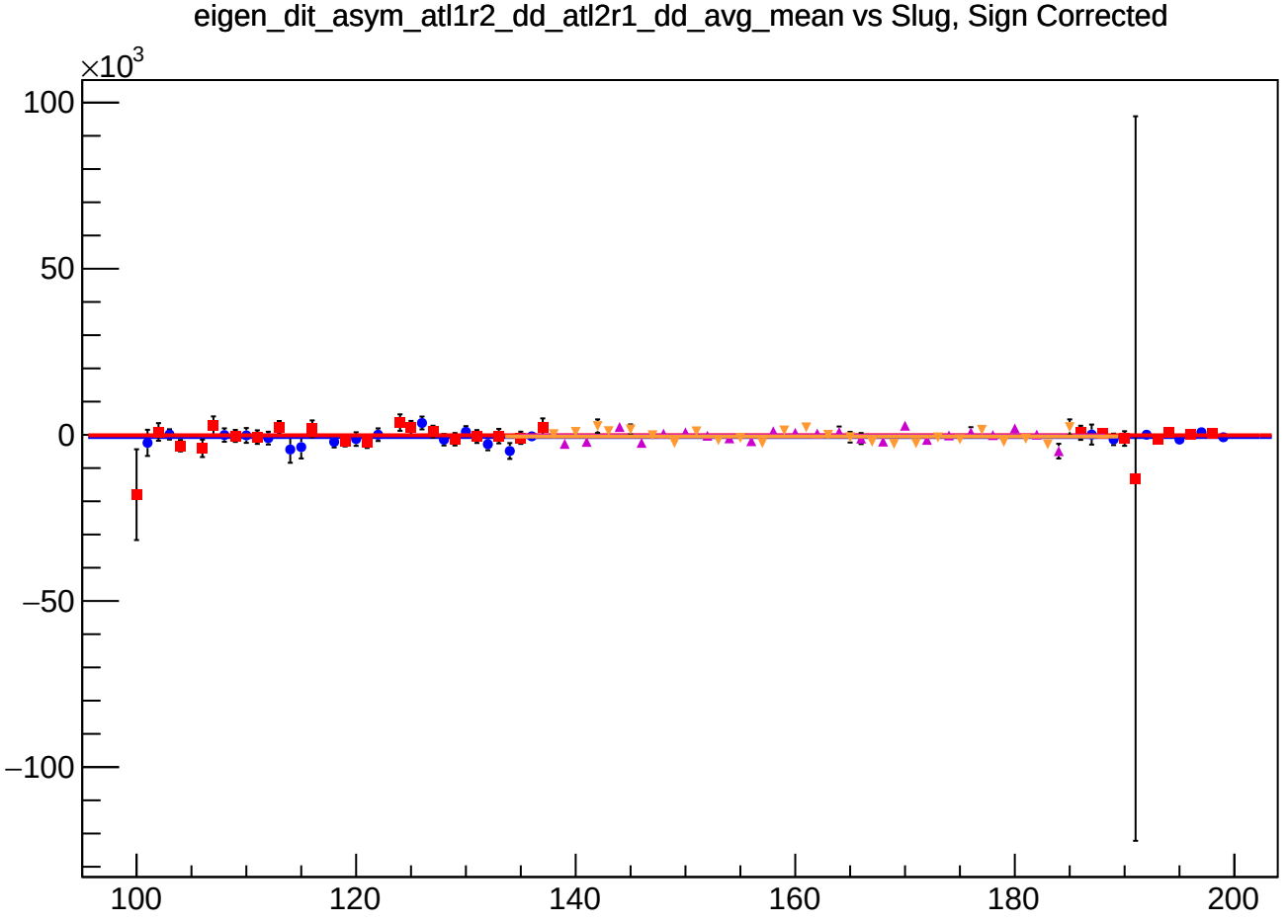
Left: 265.307+/-0.033 χ^2/NDF: 10496569.7/47

Right: 448.269+/-0.082 χ^2/NDF: 18252225.9/48

In: 300.488+/-0.045 χ^2/NDF:14375623.7/44

Out: 282.837+/-0.042 χ^2/NDF:18578805.2/51

All: 291.108+/-0.031 χ^2/NDF: 33036461.3/96



Right In: -650.455+/-383.729 χ^2/NDF: 15.5/21

Left Out: -493.435+/-282.734 χ^2/NDF:34.2/24

Right Out: -130.148+/-370.155 χ^2/NDF: 20.1/26

Left In: -242.004+/-294.339 χ^2/NDF:30.7/22

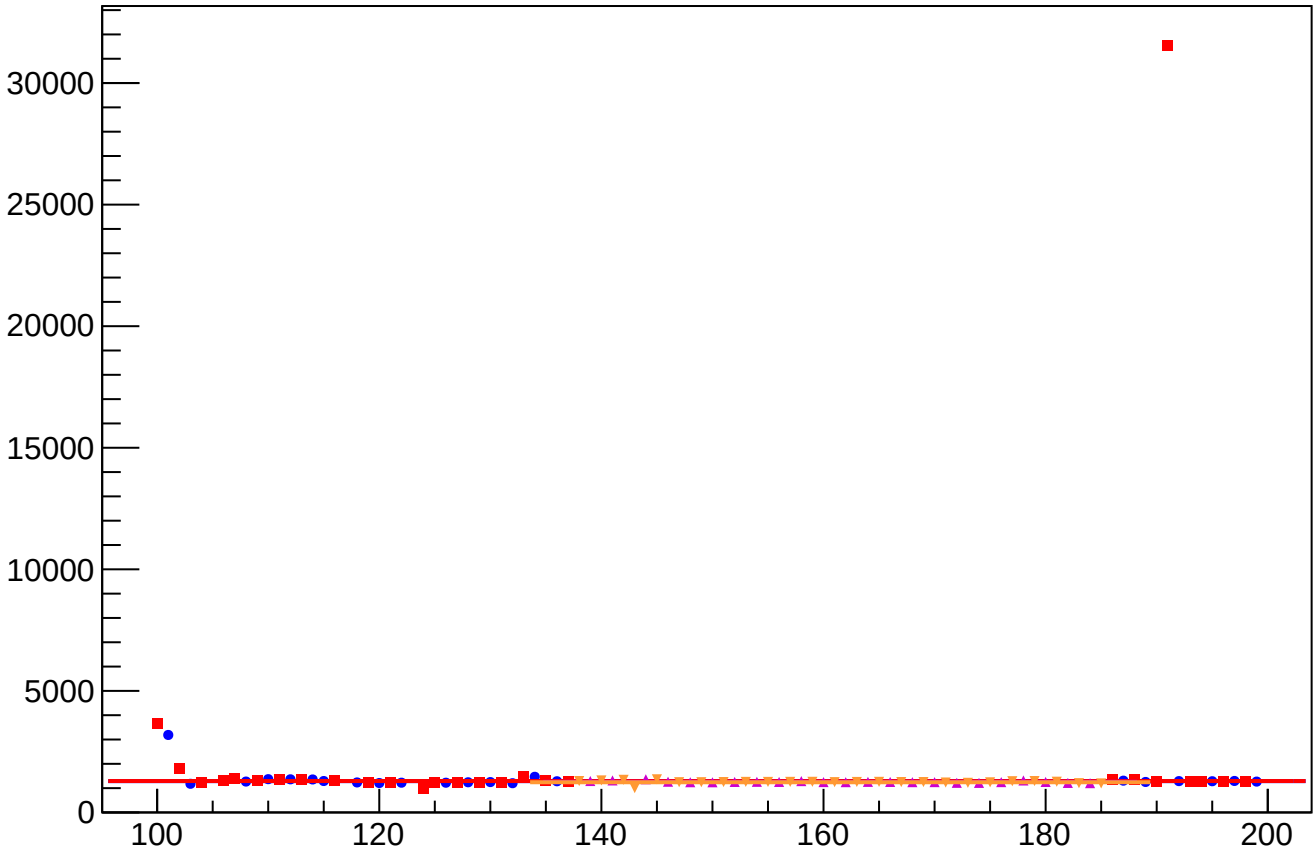
Left: -372.774+/-203.903 χ^2/NDF: 65.3/47

Right: -380.936+/-266.409 χ^2/NDF: 36.6/48

In: -393.303+/-233.546 χ^2/NDF:46.9/44

Out: -359.579+/-224.687 χ^2/NDF:55.0/51

All: -375.789+/-161.919 χ^2/NDF: 101.9/96



Right In: 1288.005+/-0.271 χ^2/NDF: 510850.3/21

Left Out: 1242.539+/-0.200 χ^2/NDF:130022.2/24

Right Out: 1292.586+/-0.262 χ^2/NDF: 372231.6/26

Left In: 1260.094+/-0.208 χ^2/NDF:27932.2/22

Left: 1250.964+/-0.144 χ^2/NDF: 161654.3/47

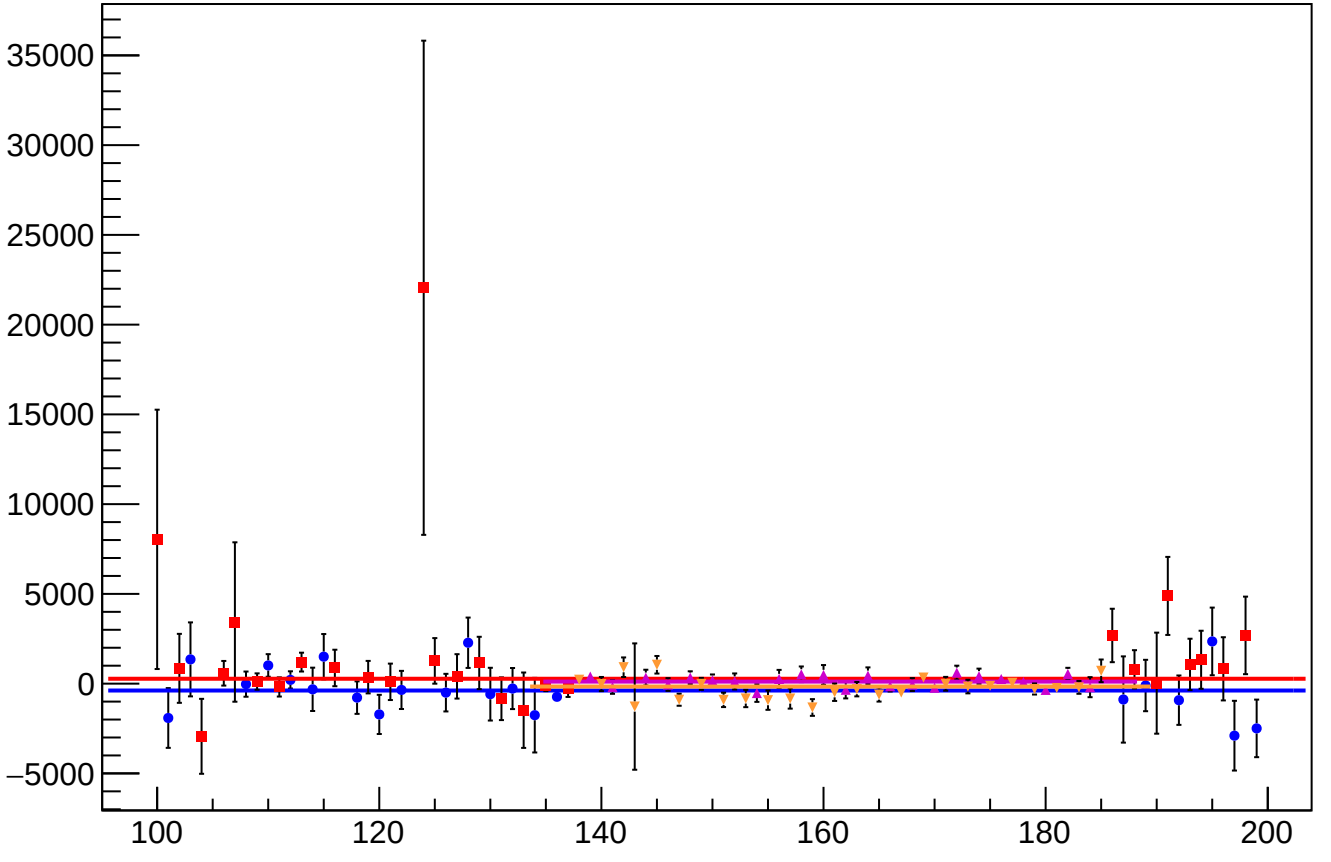
Right: 1290.378+/-0.188 χ^2/NDF: 883229.6/48

In: 1270.433+/-0.165 χ^2/NDF:545444.1/44

Out: 1260.980+/-0.159 χ^2/NDF:525343.5/51

All: 1265.523+/-0.114 χ^2/NDF: 1072489.3/96

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -382.743+/-164.984 χ^2/NDF: 24.2/21

Left Out: -160.933+/-64.133 χ^2/NDF:43.8/24

Right Out: 272.742+/-162.614 χ^2/NDF: 25.8/26

Left In: 113.720+/-68.841 χ^2/NDF:18.2/22

Left: -33.318+/-46.925 χ^2/NDF: 70.5/47

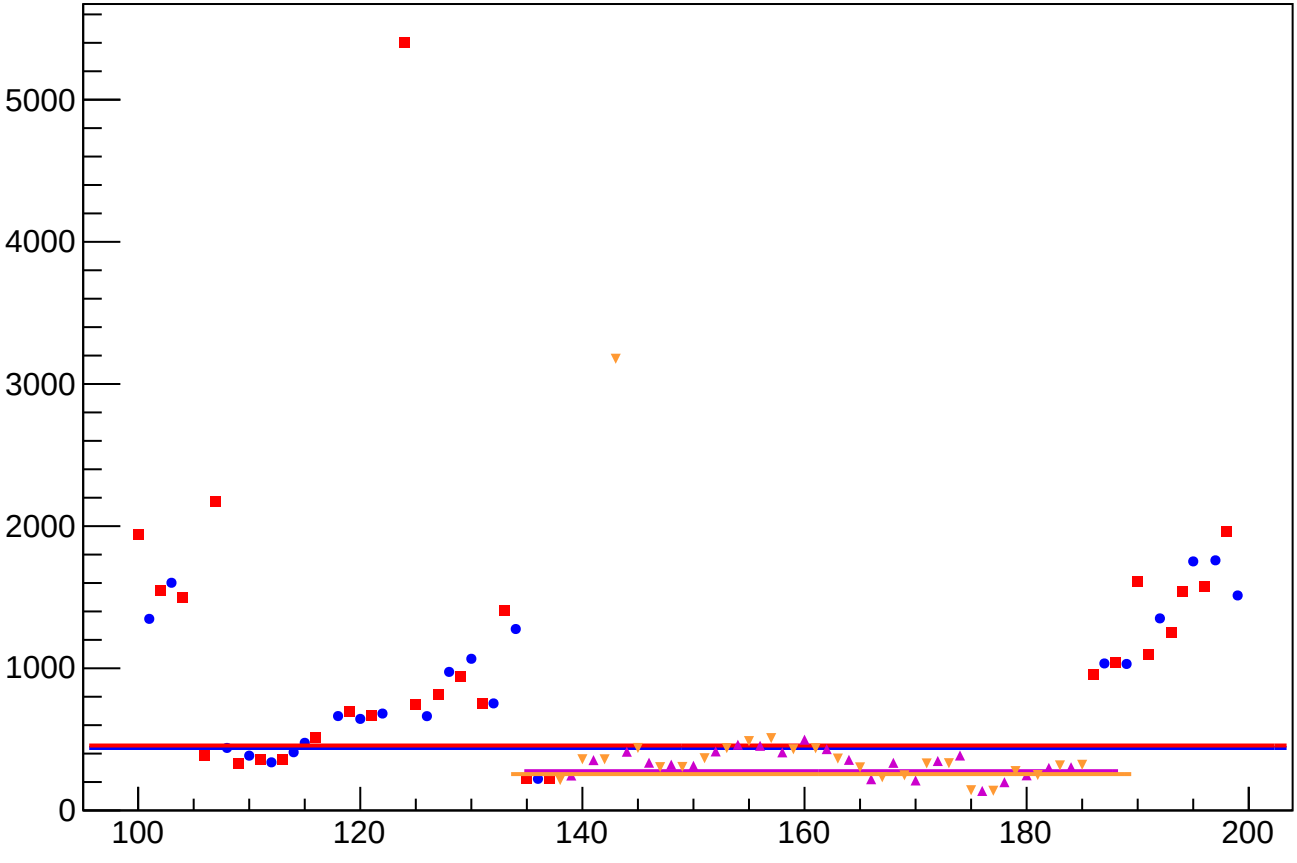
Right: -50.259+/-115.814 χ^2/NDF: 58.0/48

In: 40.101+/-63.532 χ^2/NDF:50.1/44

Out: -102.559+/-59.661 χ^2/NDF:75.7/51

All: -35.707+/-43.491 χ^2/NDF: 128.5/96

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 439.432+/-0.117 χ^2/NDF: 8682700.6/21

Left Out: 255.770+/-0.045 χ^2/NDF:6373829.7/24

Right Out: 456.874+/-0.115 χ^2/NDF: 9557684.8/26

Left In: 276.299+/-0.049 χ^2/NDF:4027371.0/22

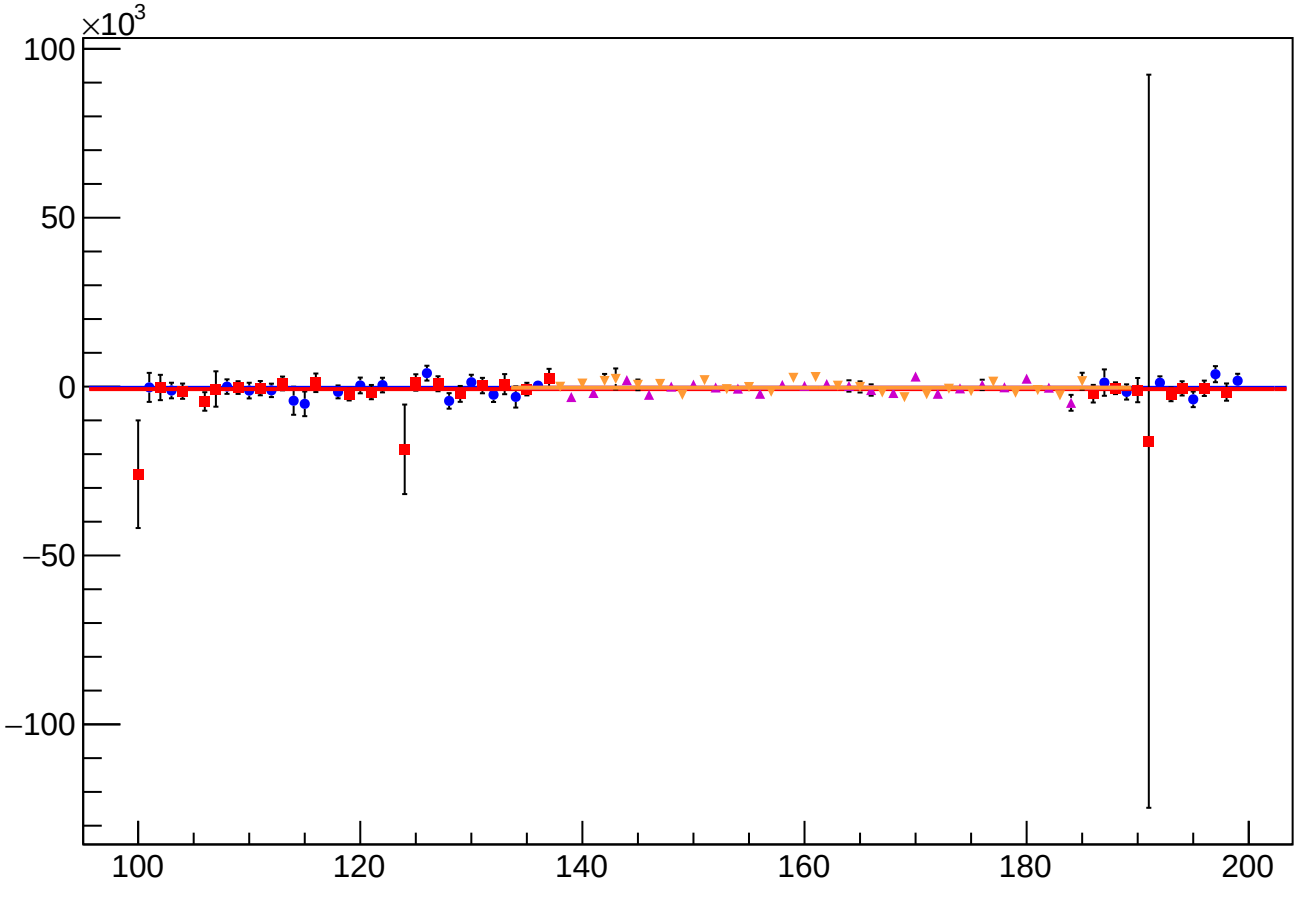
Left: 265.308+/-0.033 χ^2/NDF: 10496422.7/47

Right: 448.279+/-0.082 χ^2/NDF: 18251724.2/48

In: 300.489+/-0.045 χ^2/NDF:14375489.6/44

Out: 282.839+/-0.042 χ^2/NDF:18578620.5/51

All: 291.110+/-0.031 χ^2/NDF: 33036137.6/96



Right In: -367.037+/-483.325 χ^2/NDF: 19.9/21

Left Out: -319.744+/-298.271 χ^2/NDF:31.6/24

Right Out: -745.033+/-472.332 χ^2/NDF: 12.5/26

Left In: -356.387+/-301.902 χ^2/NDF:29.7/22

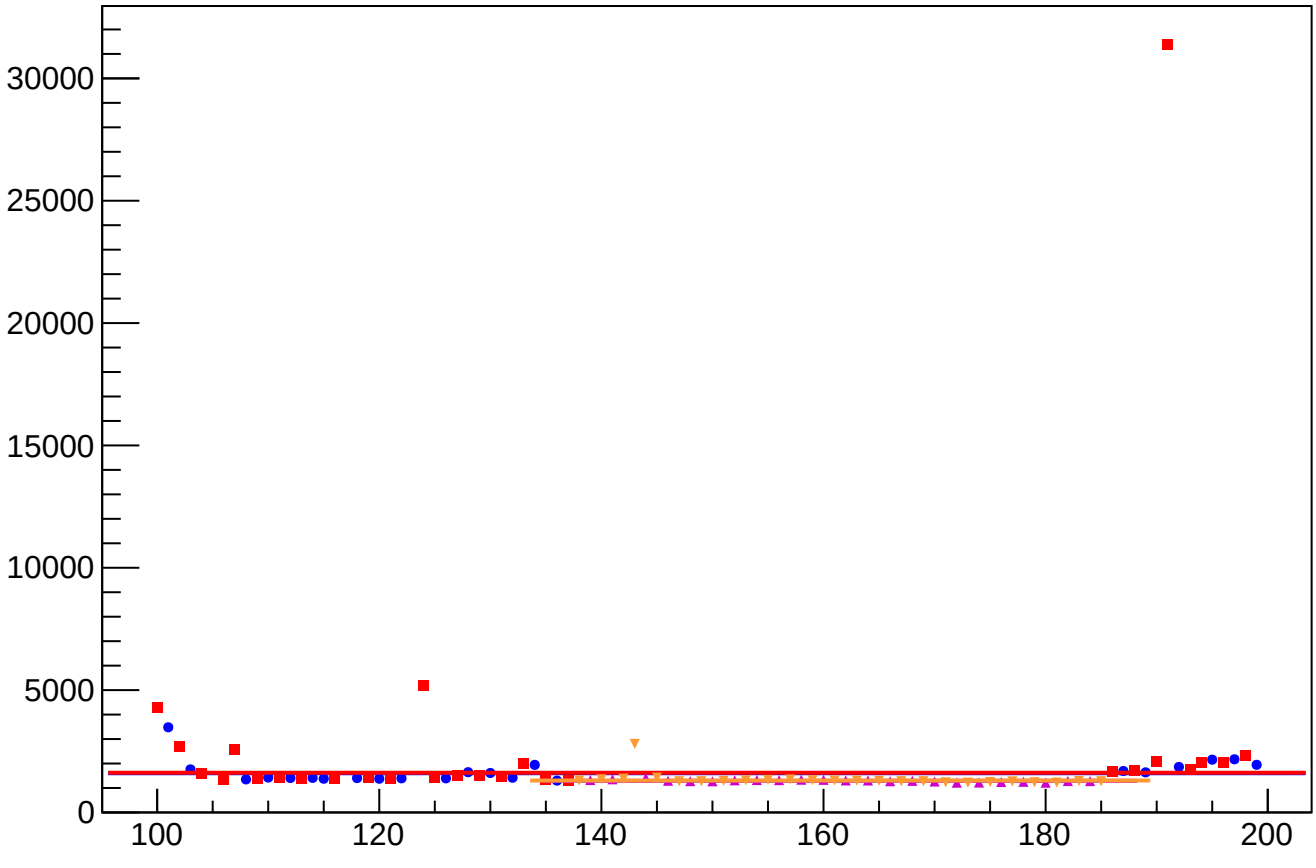
Left: -337.843+/-212.182 χ^2/NDF: 61.2/47

Right: -560.383+/-337.809 χ^2/NDF: 32.7/48

In: -359.376+/-256.055 χ^2/NDF:49.6/44

Out: -440.989+/-252.195 χ^2/NDF:44.6/51

All: -400.802+/-179.678 χ^2/NDF: 94.2/96



Right In: 1603.169+/-0.342 χ^2/NDF: 994876.9/21

Left Out: 1304.156+/-0.211 χ^2/NDF:519609.1/24

Right Out: 1622.668+/-0.334 χ^2/NDF: 1222335.6/26

Left In: 1292.123+/-0.213 χ^2/NDF:48343.1/22

Left: 1298.212+/-0.150 χ^2/NDF: 569560.1/47

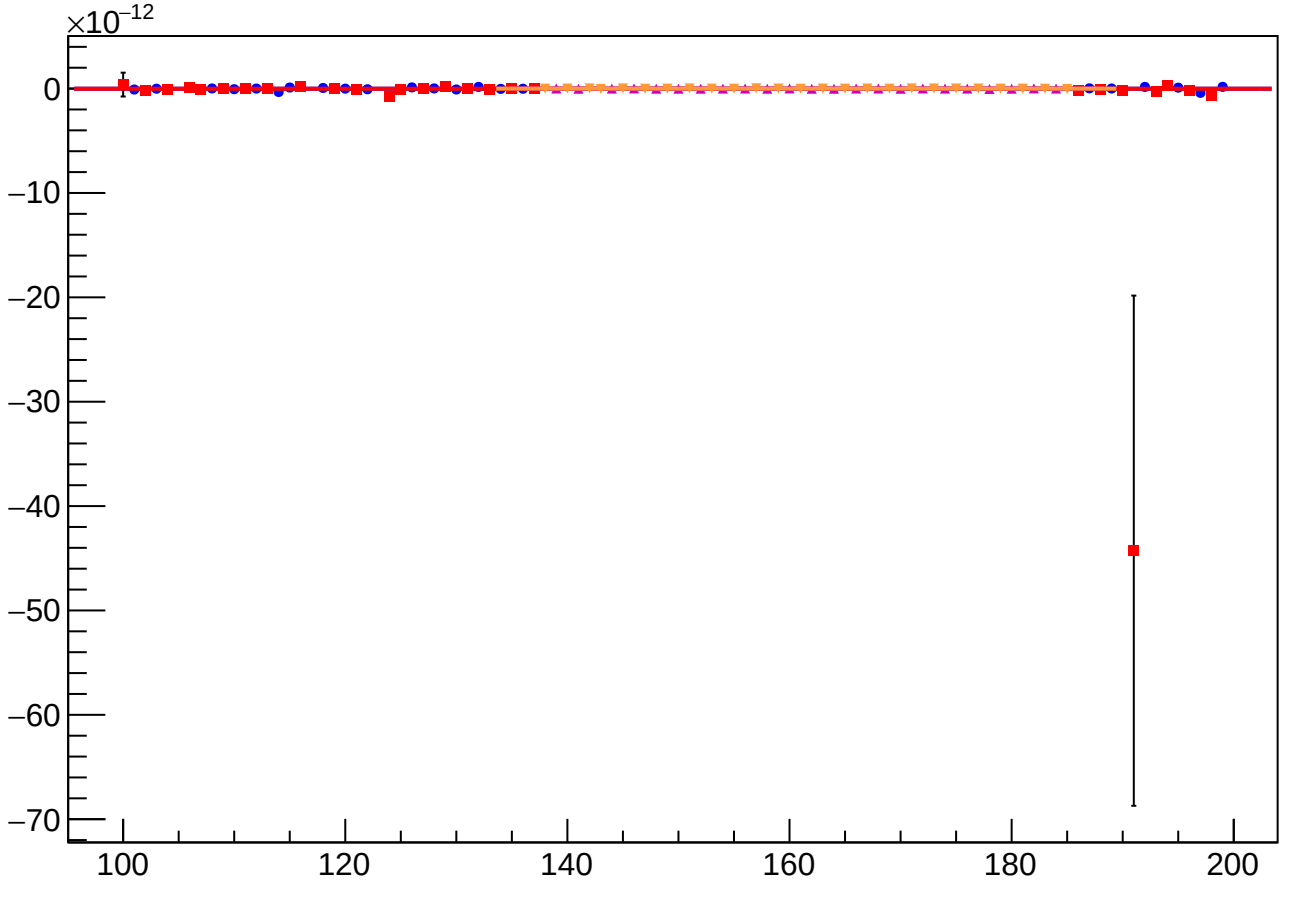
Right: 1613.142+/-0.239 χ^2/NDF: 2218877.5/48

In: 1379.422+/-0.181 χ^2/NDF:1639062.9/44

Out: 1394.960+/-0.178 χ^2/NDF:2392134.2/51

All: 1387.309+/-0.127 χ^2/NDF: 4034935.4/96

asym_atl1r2_dd_atl2r1_dd_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 15.8/21

Left Out: 0.000+/-0.000 χ^2/NDF:24.3/24

Right Out: -0.000+/-0.000 χ^2/NDF: 35.3/26

Left In: -0.000+/-0.000 χ^2/NDF:29.6/22

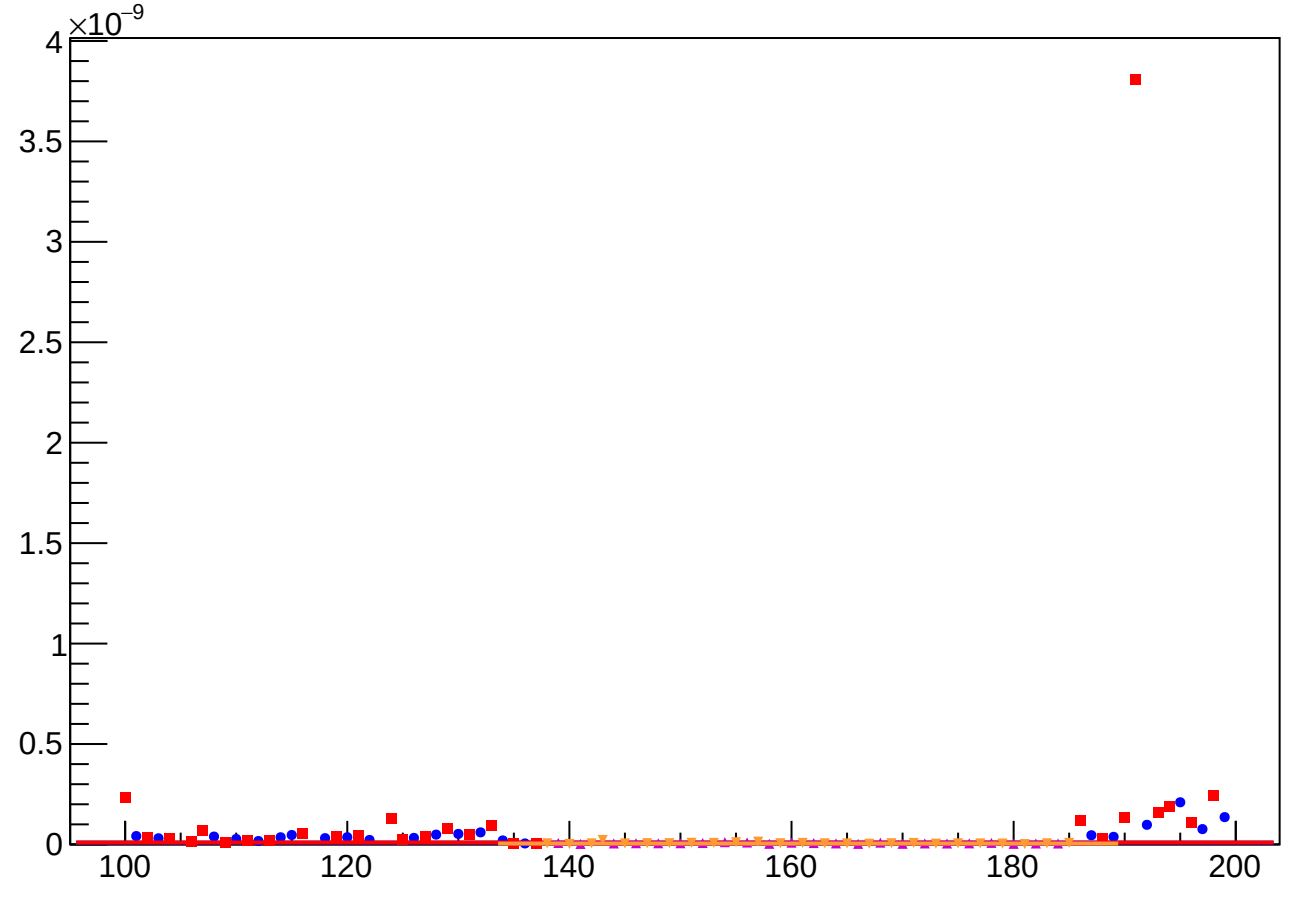
Left: -0.000+/-0.000 χ^2/NDF: 54.2/47

Right: -0.000+/-0.000 χ^2/NDF: 51.1/48

In: -0.000+/-0.000 χ^2/NDF:47.5/44

Out: -0.000+/-0.000 χ^2/NDF:62.4/51

All: -0.000+/-0.000 χ^2/NDF: 110.3/96



Right In: 0.000+/-0.000 χ^2/NDF: 5416911.4/21

Left Out: 0.000+/-0.000 χ^2/NDF:2715297.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6969984.9/26

Left In: 0.000+/-0.000 χ^2/NDF:1884808.0/22

Left: 0.000+/-0.000 χ^2/NDF: 4620695.3/47

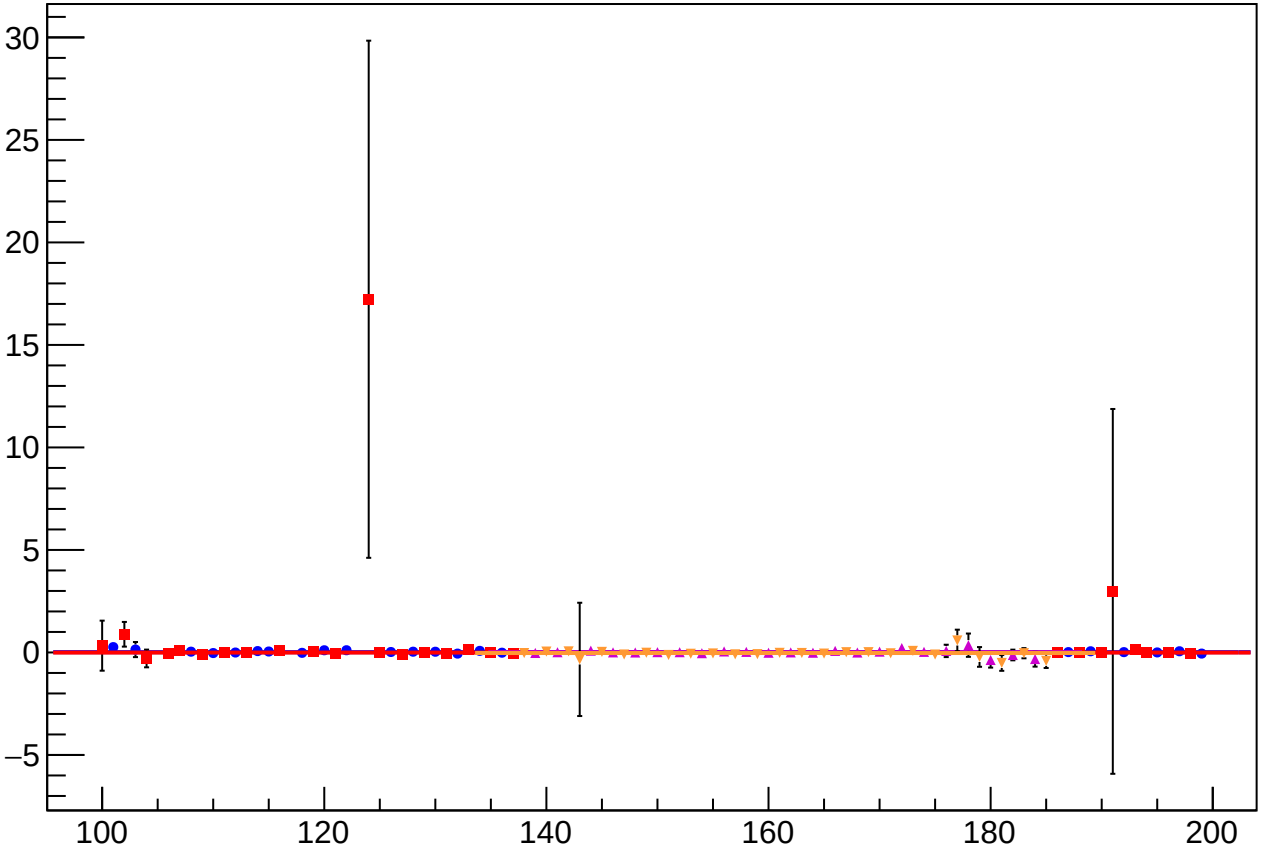
Right: 0.000+/-0.000 χ^2/NDF: 12390948.4/48

In: 0.000+/-0.000 χ^2/NDF:7942413.6/44

Out: 0.000+/-0.000 χ^2/NDF:10465973.2/51

All: 0.000+/-0.000 χ^2/NDF: 18435322.3/96

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.015+/-0.014 χ^2/NDF: 13.1/21

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: -0.006+/-0.013 χ^2/NDF: 20.2/26

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

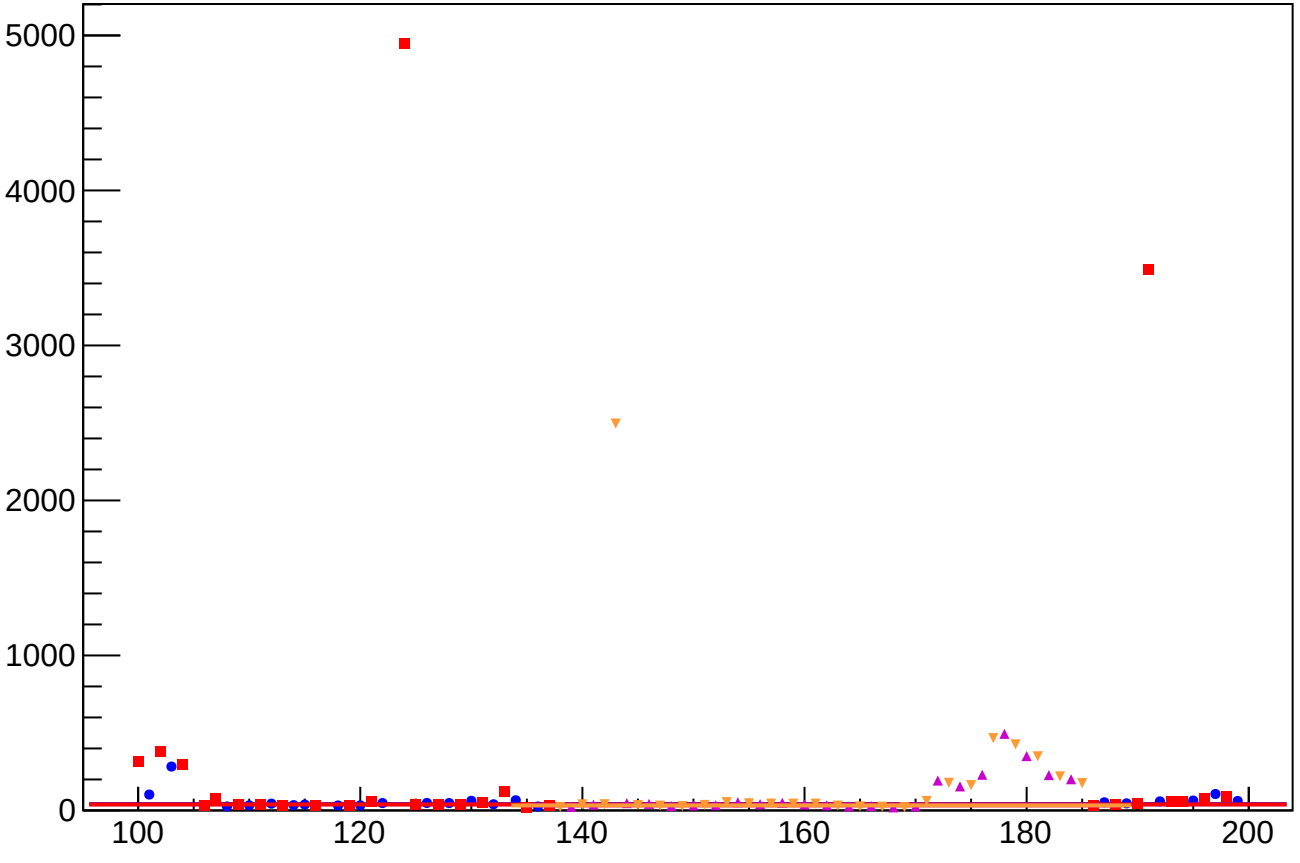
Right: 0.004+/-0.010 χ^2/NDF: 34.5/48

In: 0.012+/-0.008 χ^2/NDF:26.4/44

Out: -0.020+/-0.008 χ^2/NDF:50.2/51

All: -0.004+/-0.005 χ^2/NDF: 85.3/96

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 40.415+/-0.010 χ^2/NDF: 3631400.7/21

Left Out: 32.551+/-0.007 χ^2/NDF:10871758.1/24

Right Out: 38.621+/-0.009 χ^2/NDF: 4731013.7/26

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

Left: 32.645+/-0.005 χ^2/NDF: 19835386.0/47

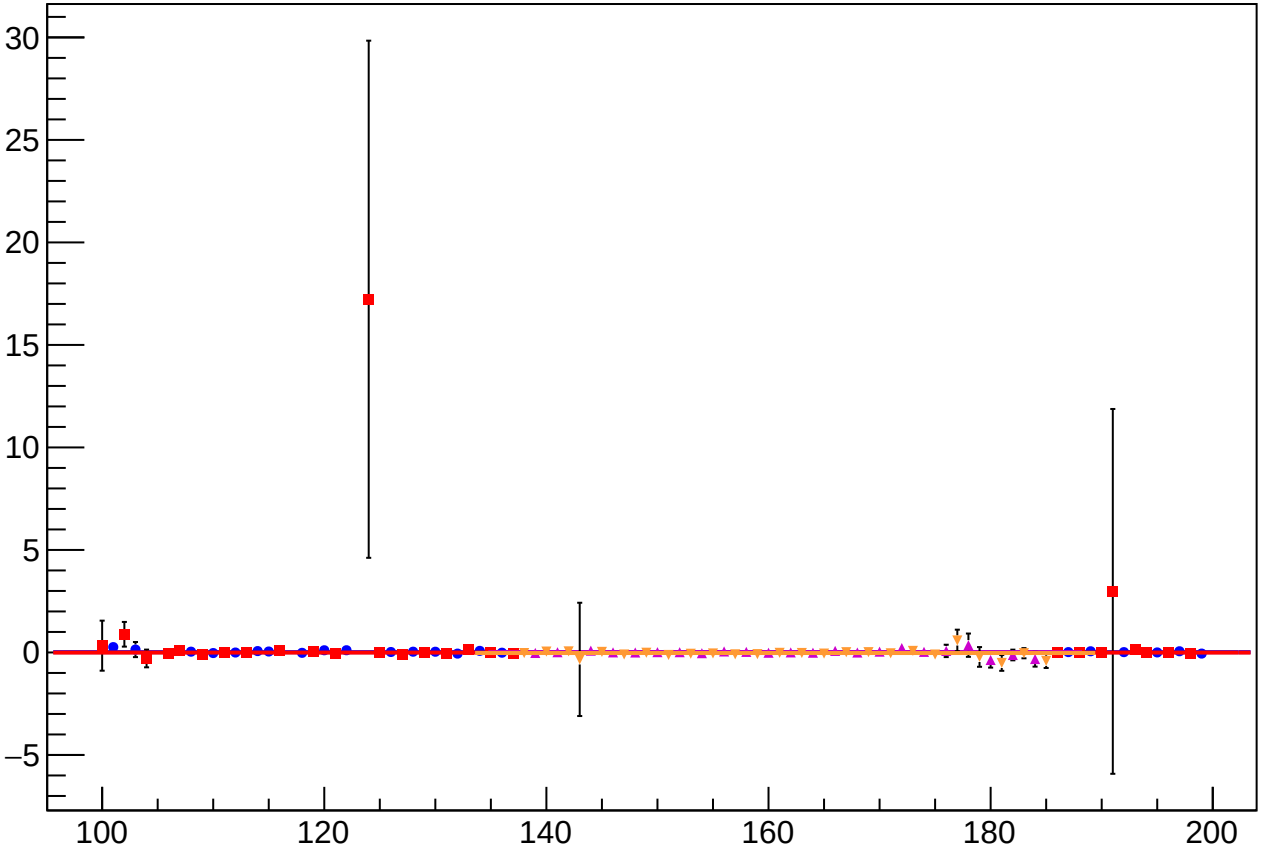
Right: 39.462+/-0.007 χ^2/NDF: 8380072.8/48

In: 35.179+/-0.006 χ^2/NDF:13009924.5/44

Out: 34.653+/-0.005 χ^2/NDF:15884579.1/51

All: 34.911+/-0.004 χ^2/NDF: 28899086.9/96

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.015+/-0.014 χ^2/NDF: 13.1/21

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: -0.006+/-0.013 χ^2/NDF: 20.2/26

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

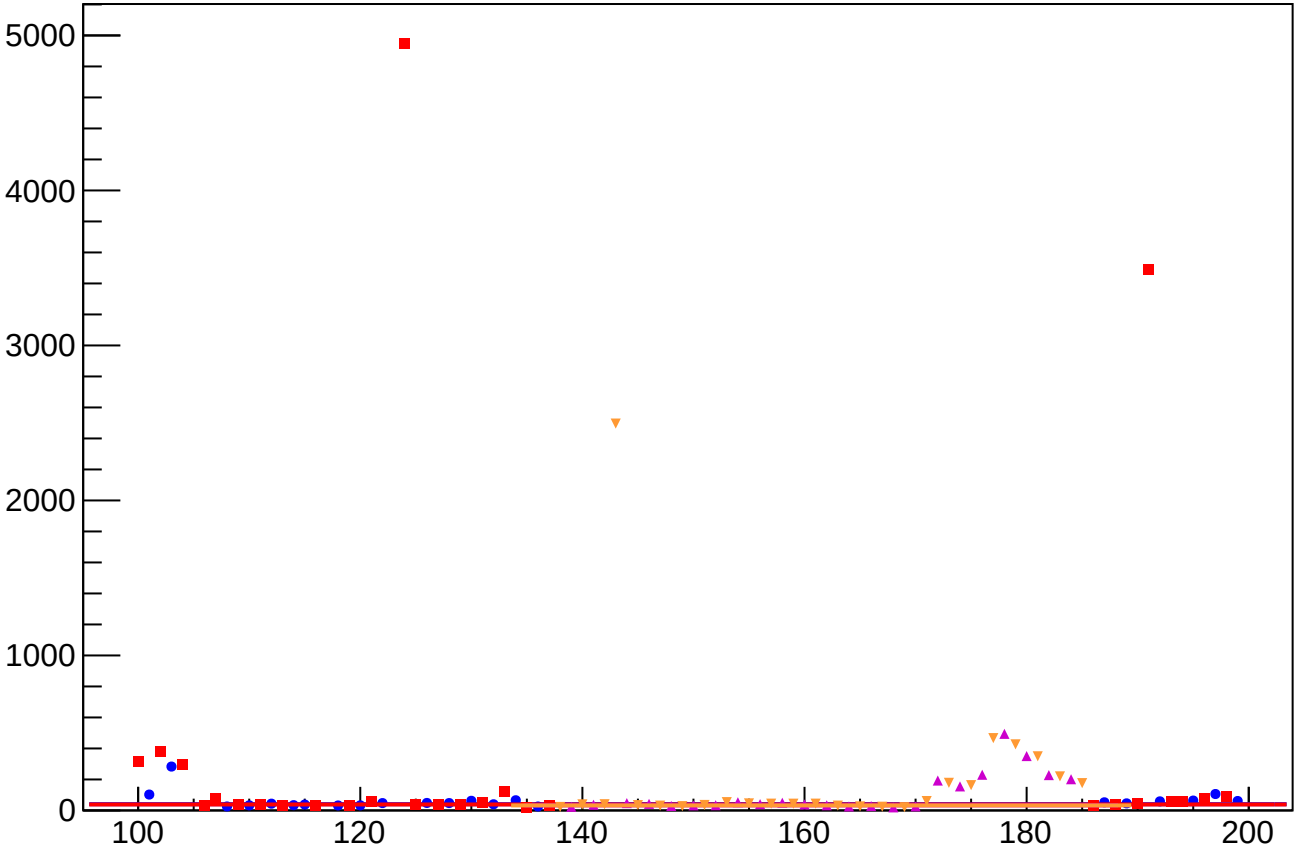
Right: 0.004+/-0.010 χ^2/NDF: 34.5/48

In: 0.012+/-0.008 χ^2/NDF:26.4/44

Out: -0.020+/-0.008 χ^2/NDF:50.2/51

All: -0.004+/-0.005 χ^2/NDF: 85.3/96

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 40.415+/-0.010 χ^2/NDF: 3631400.7/21

Left Out: 32.551+/-0.007 χ^2/NDF:10871758.1/24

Right Out: 38.621+/-0.009 χ^2/NDF: 4731013.7/26

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

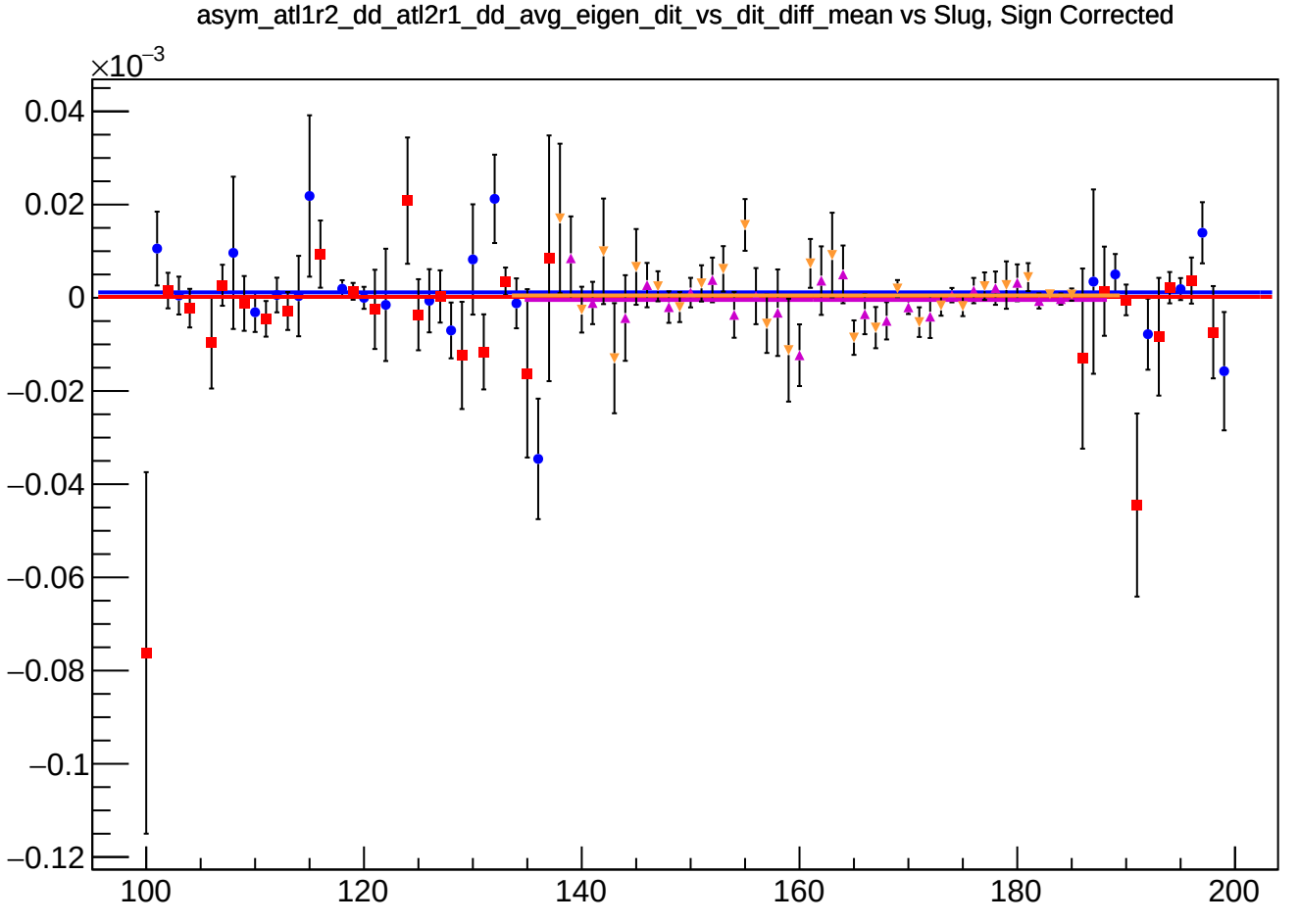
Left: 32.645+/-0.005 χ^2/NDF: 19835386.0/47

Right: 39.462+/-0.007 χ^2/NDF: 8380072.8/48

In: 35.179+/-0.006 χ^2/NDF:13009924.5/44

Out: 34.653+/-0.005 χ^2/NDF:15884579.1/51

All: 34.911+/-0.004 χ^2/NDF: 28899086.9/96



Right In: 0.000+/-0.000 χ^2/NDF: 27.1/21

Left Out: 0.000+/-0.000 χ^2/NDF:35.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 25.7/26

Left In: -0.000+/-0.000 χ^2/NDF:13.7/22

Left: 0.000+/-0.000 χ^2/NDF: 50.9/47

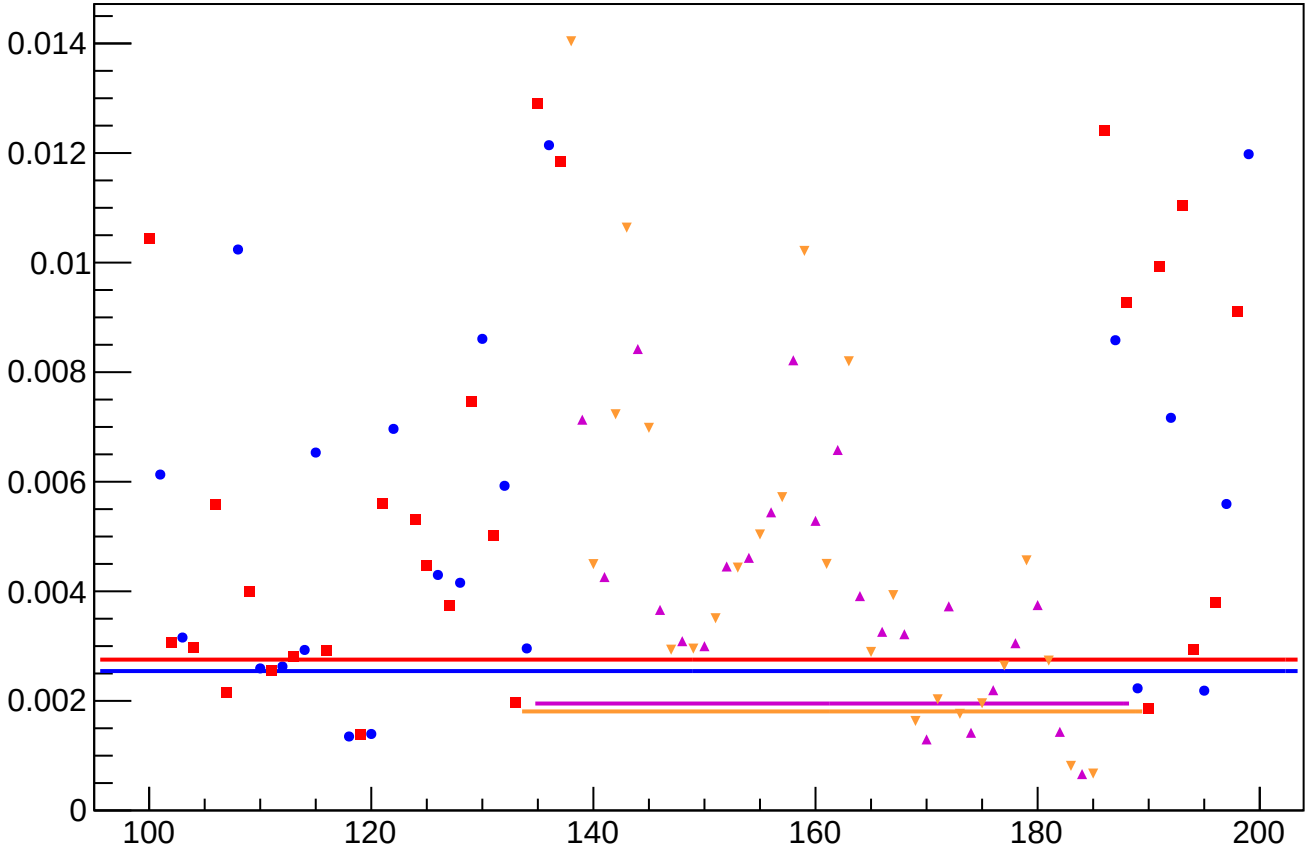
Right: 0.000+/-0.000 χ^2/NDF: 53.3/48

In: -0.000+/-0.000 χ^2/NDF:42.9/44

Out: 0.000+/-0.000 χ^2/NDF:61.5/51

All: 0.000+/-0.000 χ^2/NDF: 104.8/96

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 7285883.4/21

Left Out: 0.002+/-0.000 χ^2/NDF:14941257.4/24

Right Out: 0.003+/-0.000 χ^2/NDF: 7117065.9/26

Left In: 0.002+/-0.000 χ^2/NDF:11478607.0/22

Left: 0.002+/-0.000 χ^2/NDF: 26484379.9/47

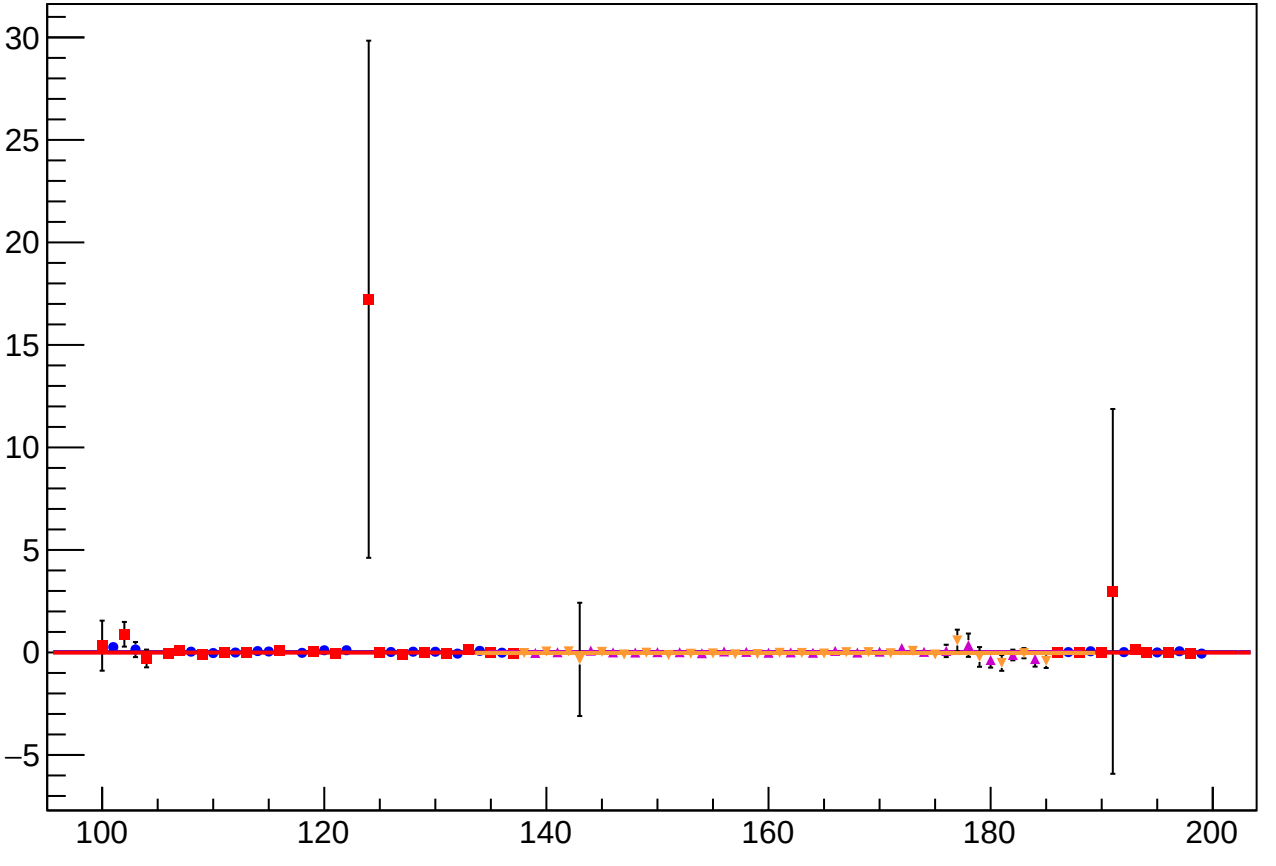
Right: 0.003+/-0.000 χ^2/NDF: 14451900.0/48

In: 0.002+/-0.000 χ^2/NDF:19322712.1/44

Out: 0.002+/-0.000 χ^2/NDF:23577199.2/51

All: 0.002+/-0.000 χ^2/NDF: 42919031.2/96

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.015+/-0.014 χ^2/NDF: 13.1/21

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: -0.006+/-0.013 χ^2/NDF: 20.2/26

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

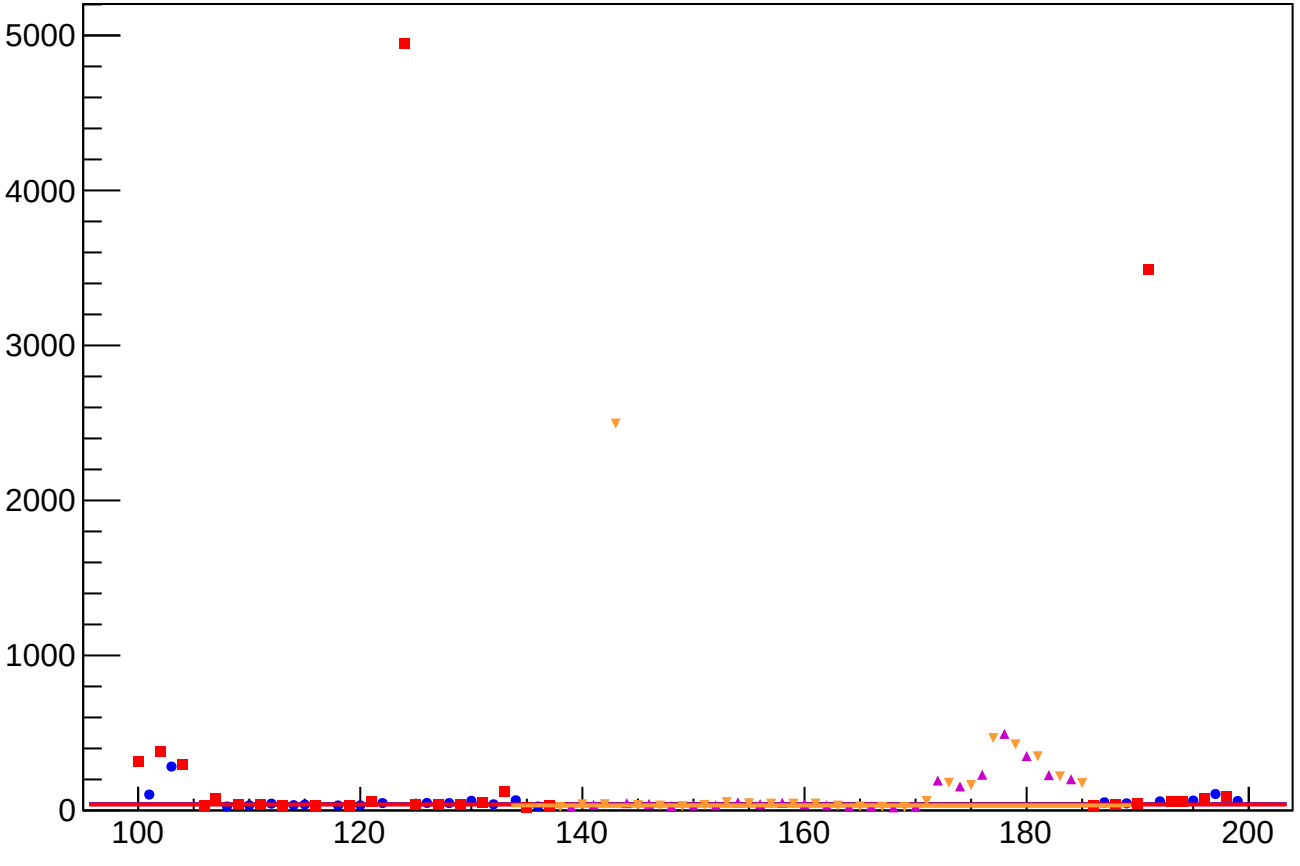
Right: 0.004+/-0.010 χ^2/NDF: 34.5/48

In: 0.012+/-0.008 χ^2/NDF:26.4/44

Out: -0.020+/-0.008 χ^2/NDF:50.2/51

All: -0.004+/-0.005 χ^2/NDF: 85.3/96

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 40.416+/-0.010 χ^2/NDF: 3630975.6/21

Left Out: 32.551+/-0.007 χ^2/NDF:10872015.8/24

Right Out: 38.621+/-0.009 χ^2/NDF: 4730776.9/26

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

Left: 32.644+/-0.005 χ^2/NDF: 19836272.3/47

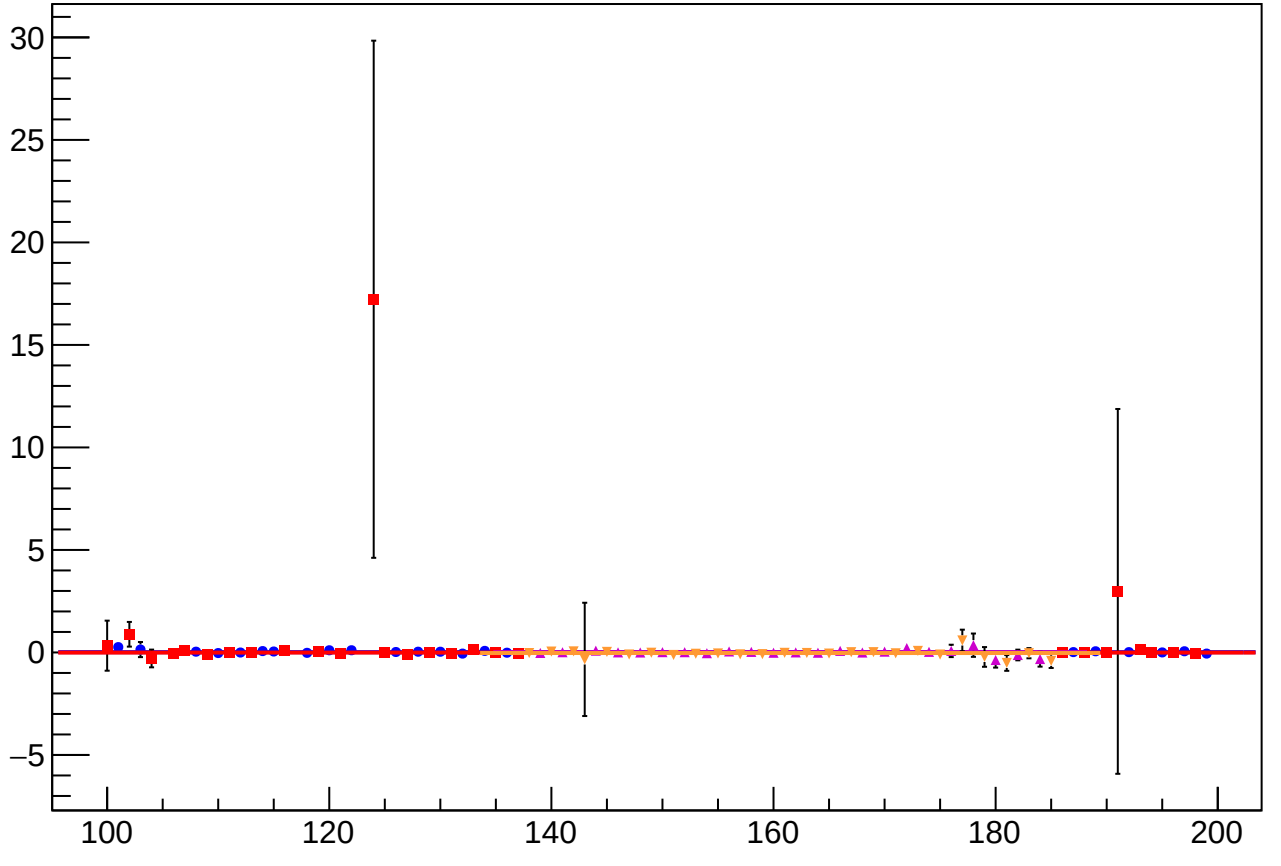
Right: 39.463+/-0.007 χ^2/NDF: 8379434.3/48

In: 35.179+/-0.006 χ^2/NDF:13010423.3/44

Out: 34.653+/-0.005 χ^2/NDF:15884641.5/51

All: 34.911+/-0.004 χ^2/NDF: 28899639.0/96

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.015+/-0.014 χ^2/NDF: 13.1/21

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: -0.006+/-0.013 χ^2/NDF: 20.2/26

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

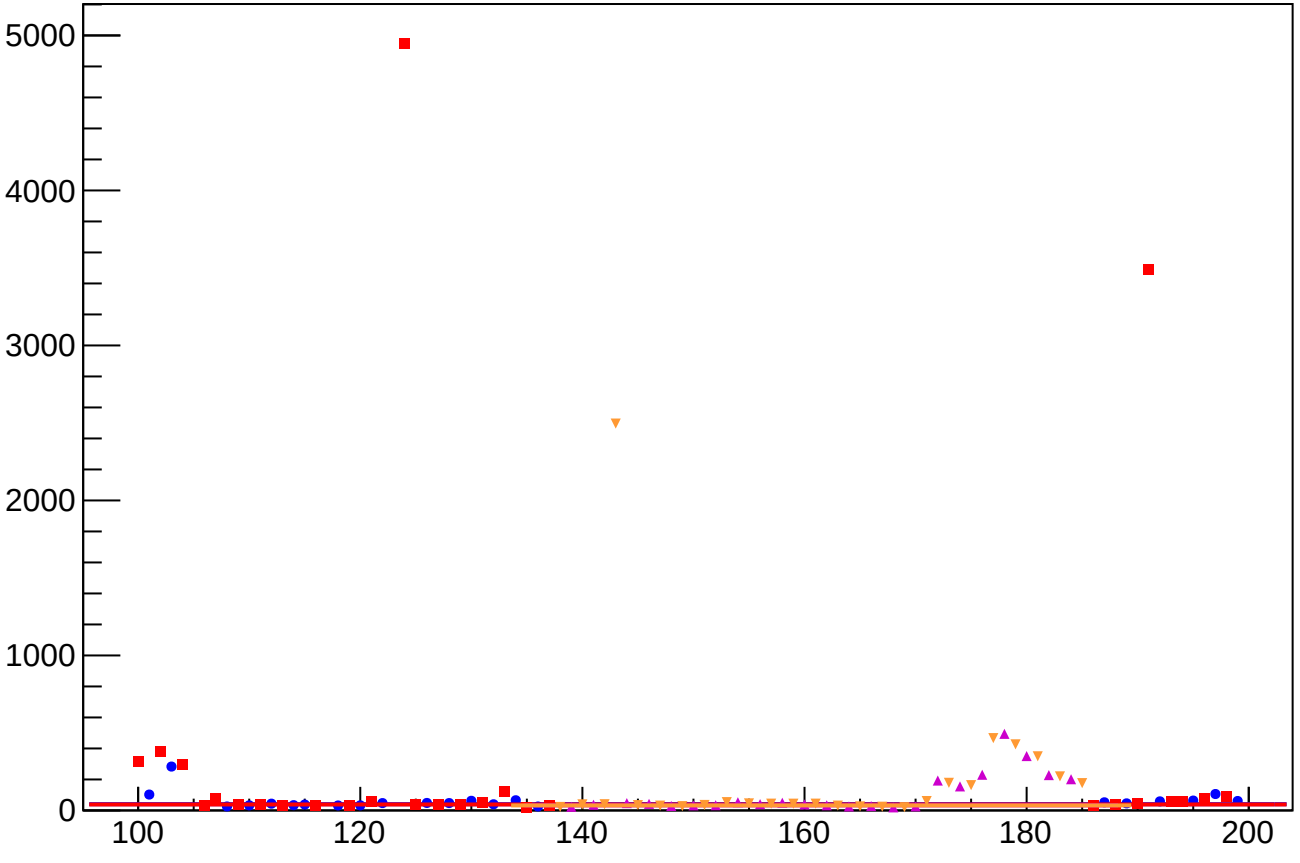
Right: 0.004+/-0.010 χ^2/NDF: 34.5/48

In: 0.012+/-0.008 χ^2/NDF:26.4/44

Out: -0.020+/-0.008 χ^2/NDF:50.2/51

All: -0.004+/-0.005 χ^2/NDF: 85.3/96

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 40.416+/-0.010 χ^2/NDF: 3630975.6/21

Left Out: 32.551+/-0.007 χ^2/NDF:10872015.8/24

Right Out: 38.621+/-0.009 χ^2/NDF: 4730776.9/26

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

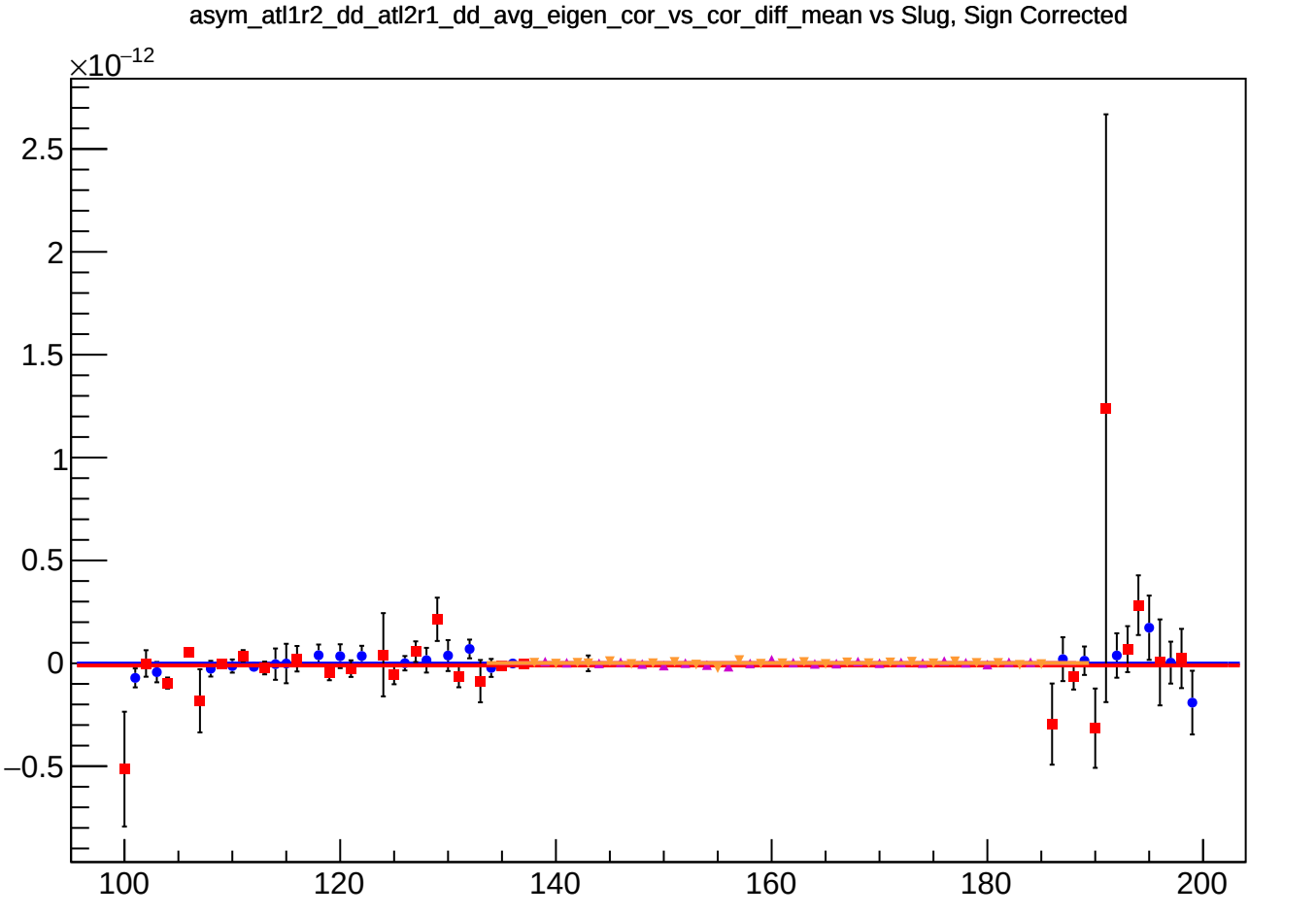
Left: 32.644+/-0.005 χ^2/NDF: 19836272.3/47

Right: 39.463+/-0.007 χ^2/NDF: 8379434.3/48

In: 35.179+/-0.006 χ^2/NDF:13010423.3/44

Out: 34.653+/-0.005 χ^2/NDF:15884641.5/51

All: 34.911+/-0.004 χ^2/NDF: 28899639.0/96



Right In: -0.000+/-0.000 χ^2/NDF: 11.6/21

Left Out: 0.000+/-0.000 χ^2/NDF:18.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 50.5/26

Left In: 0.000+/-0.000 χ^2/NDF:28.7/22

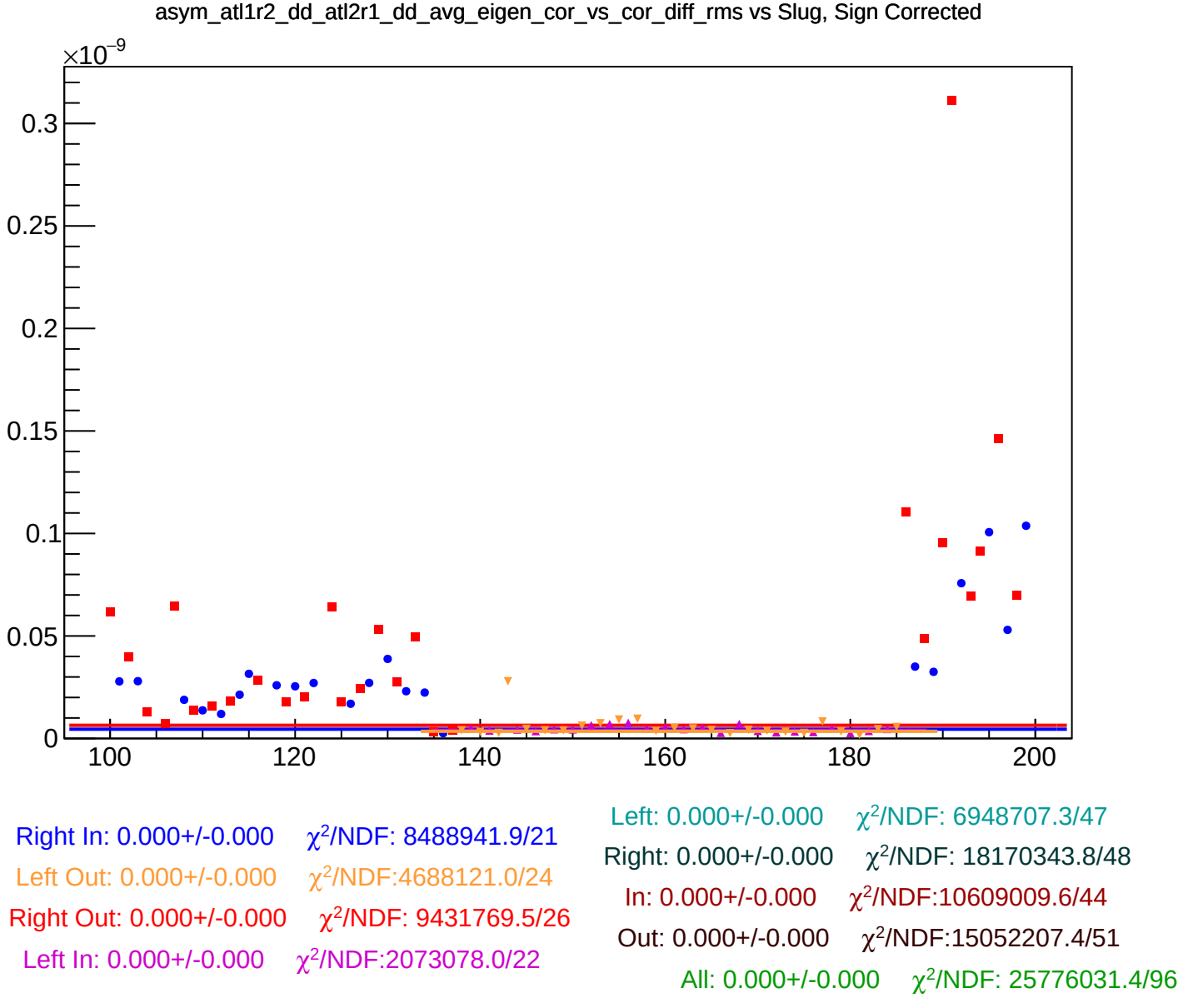
Left: 0.000+/-0.000 χ^2/NDF: 46.8/47

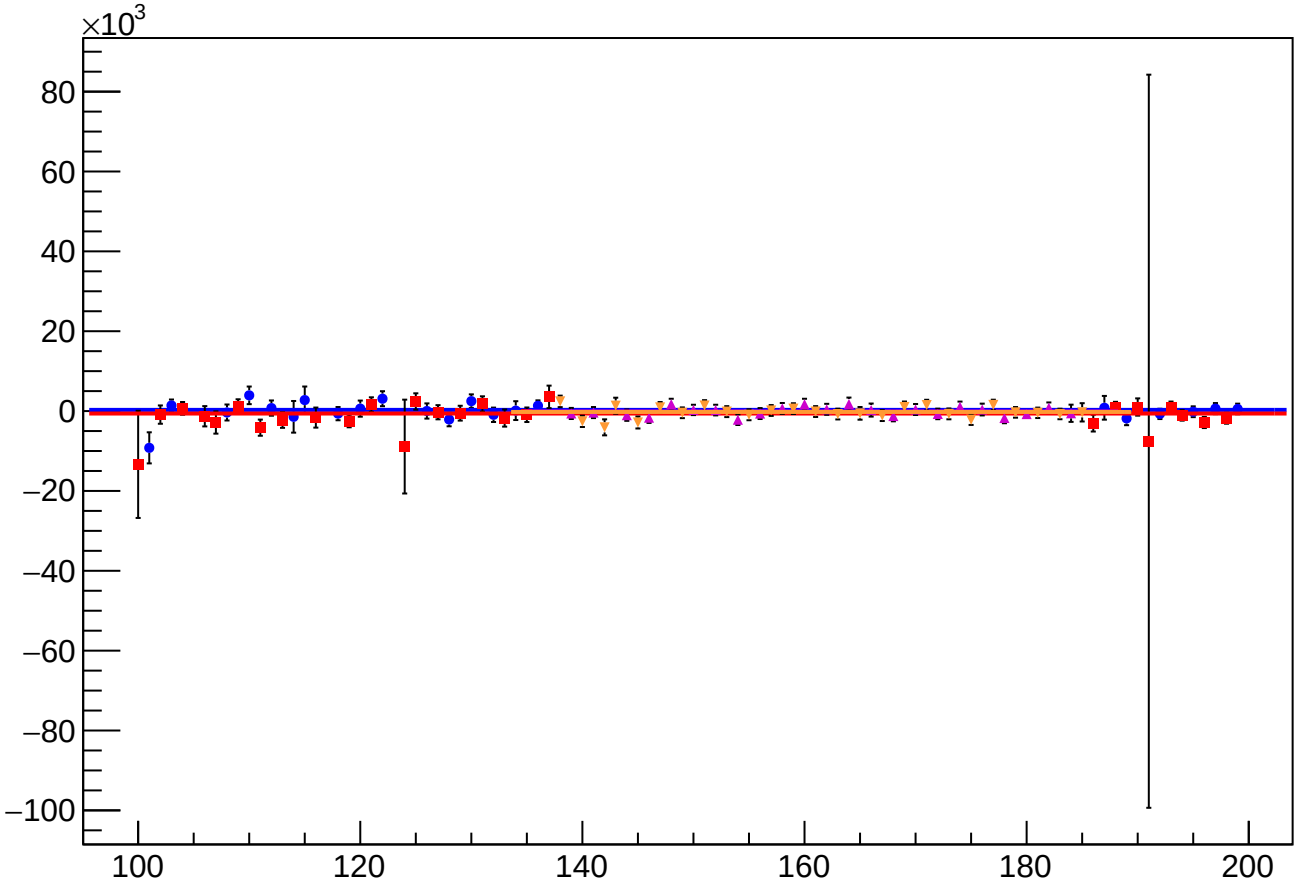
Right: -0.000+/-0.000 χ^2/NDF: 65.0/48

In: 0.000+/-0.000 χ^2/NDF:40.7/44

Out: 0.000+/-0.000 χ^2/NDF:76.3/51

All: 0.000+/-0.000 χ^2/NDF: 117.0/96


asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.3
0.25
0.2
0.15
0.1
0.05
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 8488941.9/21
Left Out: 0.000+/-0.000 χ²/NDF:4688121.0/24
Right Out: 0.000+/-0.000 χ²/NDF: 9431769.5/26
Left In: 0.000+/-0.000 χ²/NDF:2073078.0/22
Left: 0.000+/-0.000 χ²/NDF: 6948707.3/47
Right: 0.000+/-0.000 χ²/NDF: 18170343.8/48
In: 0.000+/-0.000 χ²/NDF:10609009.6/44
Out: 0.000+/-0.000 χ²/NDF:15052207.4/51
All: 0.000+/-0.000 χ²/NDF: 25776031.4/96



Right In: 299.198+/-378.376 χ^2/NDF: 19.8/21

Left Out: -220.721+/-283.055 χ^2/NDF:23.9/24

Right Out: -615.579+/-367.279 χ^2/NDF: 24.8/26

Left In: -92.402+/-288.217 χ^2/NDF:14.7/22

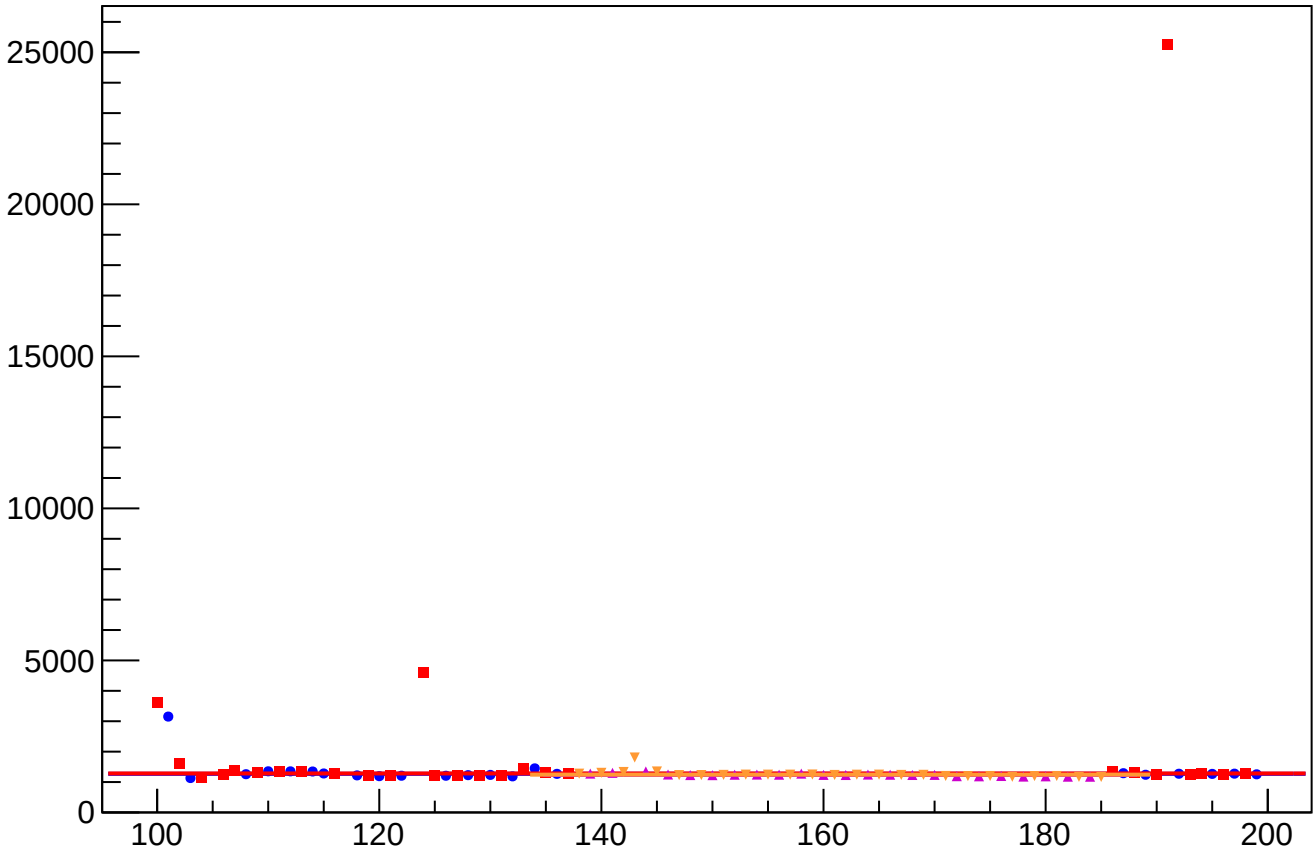
Left: -157.721+/-201.950 χ^2/NDF: 38.7/47

Right: -171.801+/-263.541 χ^2/NDF: 47.6/48

In: 51.384+/-229.277 χ^2/NDF:35.2/44

Out: -367.856+/-224.199 χ^2/NDF:49.4/51

All: -162.930+/-160.298 χ^2/NDF: 86.3/96



Right In: 1269.854+/-0.268 χ^2/NDF: 520431.9/21

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

Right Out: 1282.613+/-0.260 χ^2/NDF: 468595.1/26

Left In: 1233.752+/-0.204 χ^2/NDF:39281.8/22

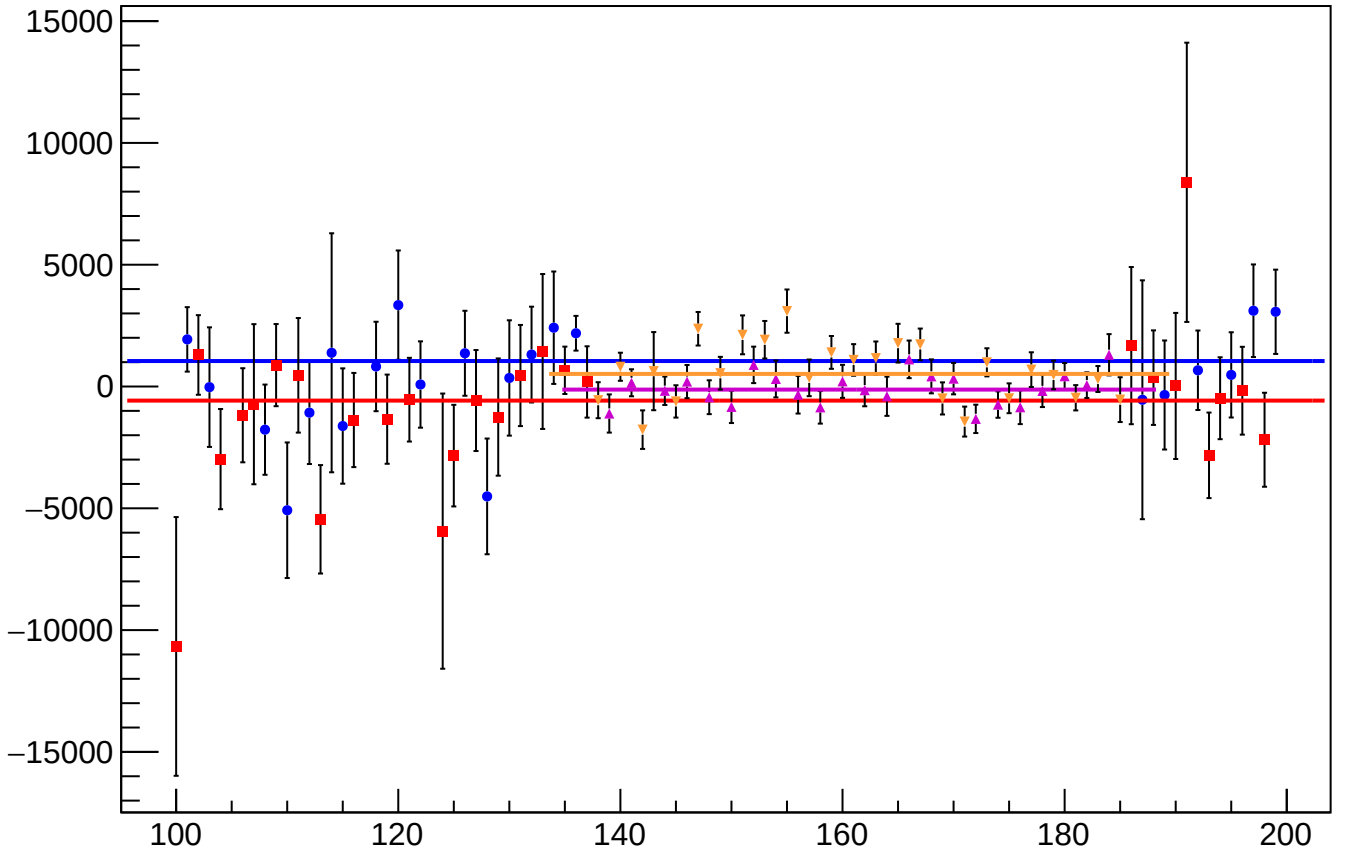
Left: 1238.371+/-0.143 χ^2/NDF: 243589.7/47

Right: 1276.423+/-0.186 χ^2/NDF: 990198.0/48

In: 1247.008+/-0.162 χ^2/NDF:571235.2/44

Out: 1257.651+/-0.159 χ^2/NDF:686619.9/51

All: 1252.449+/-0.113 χ^2/NDF: 1260058.2/96



Right In: 1045.806+/-376.119 χ^2/NDF: 23.2/21

Left Out: 516.792+/-135.746 χ^2/NDF:67.0/24

Right Out: -578.347+/-379.995 χ^2/NDF: 22.8/26

Left In: -126.569+/-137.266 χ^2/NDF:21.6/22

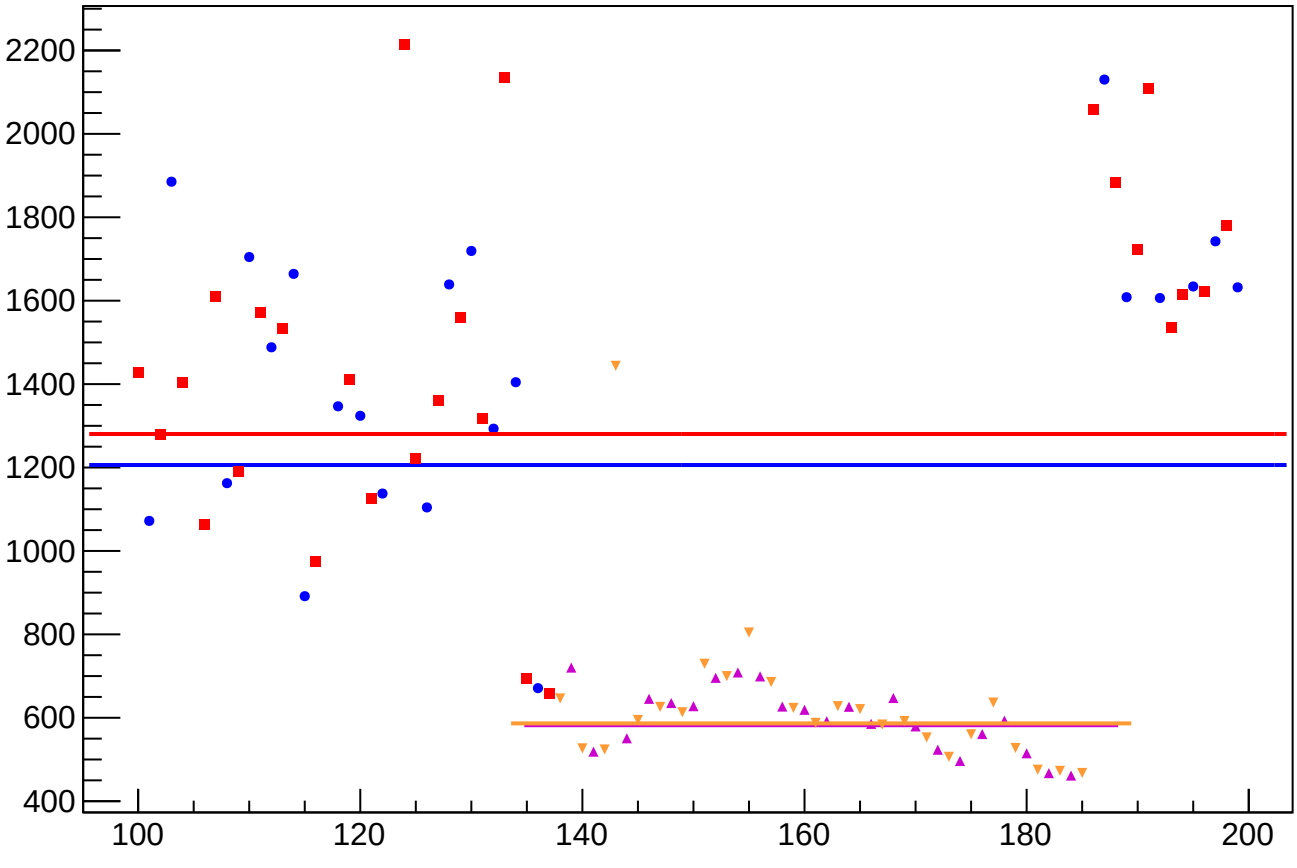
Left: 198.694+/-96.520 χ^2/NDF: 99.7/47

Right: 242.056+/-267.316 χ^2/NDF: 55.2/48

In: 11.228+/-128.947 χ^2/NDF:53.3/44

Out: 392.853+/-127.834 χ^2/NDF:97.2/51

All: 203.695+/-90.783 χ^2/NDF: 154.9/96



Right In: 1206.012+/-0.266 χ^2/NDF: 2316178.3/21

Left Out: 586.557+/-0.096 χ^2/NDF:1202915.7/24

Right Out: 1280.399+/-0.269 χ^2/NDF: 2234342.5/26

Left In: 582.190+/-0.097 χ^2/NDF:559261.3/22

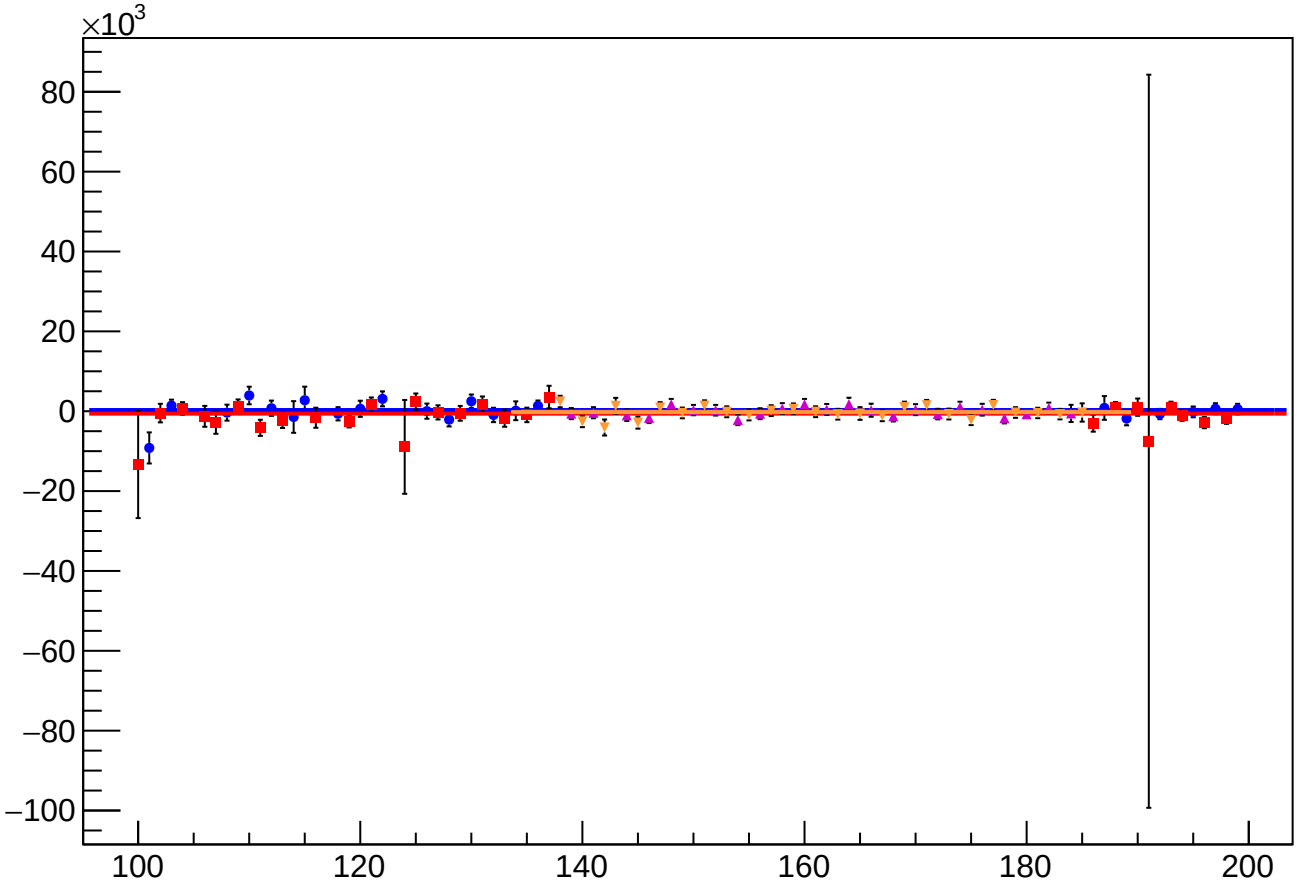
Left: 584.398+/-0.068 χ^2/NDF: 1763200.3/47

Right: 1242.824+/-0.189 χ^2/NDF: 4589235.6/48

In: 655.512+/-0.091 χ^2/NDF:7730530.5/44

Out: 665.081+/-0.090 χ^2/NDF:9350619.9/51

All: 660.338+/-0.064 χ^2/NDF: 17086704.1/96



Right In: 299.409+/-378.376 χ^2/NDF: 19.8/21

Left Out: -220.755+/-283.055 χ^2/NDF:23.9/24

Right Out: -603.827+/-367.644 χ^2/NDF: 24.8/26

Left In: -92.472+/-288.217 χ^2/NDF:14.7/22

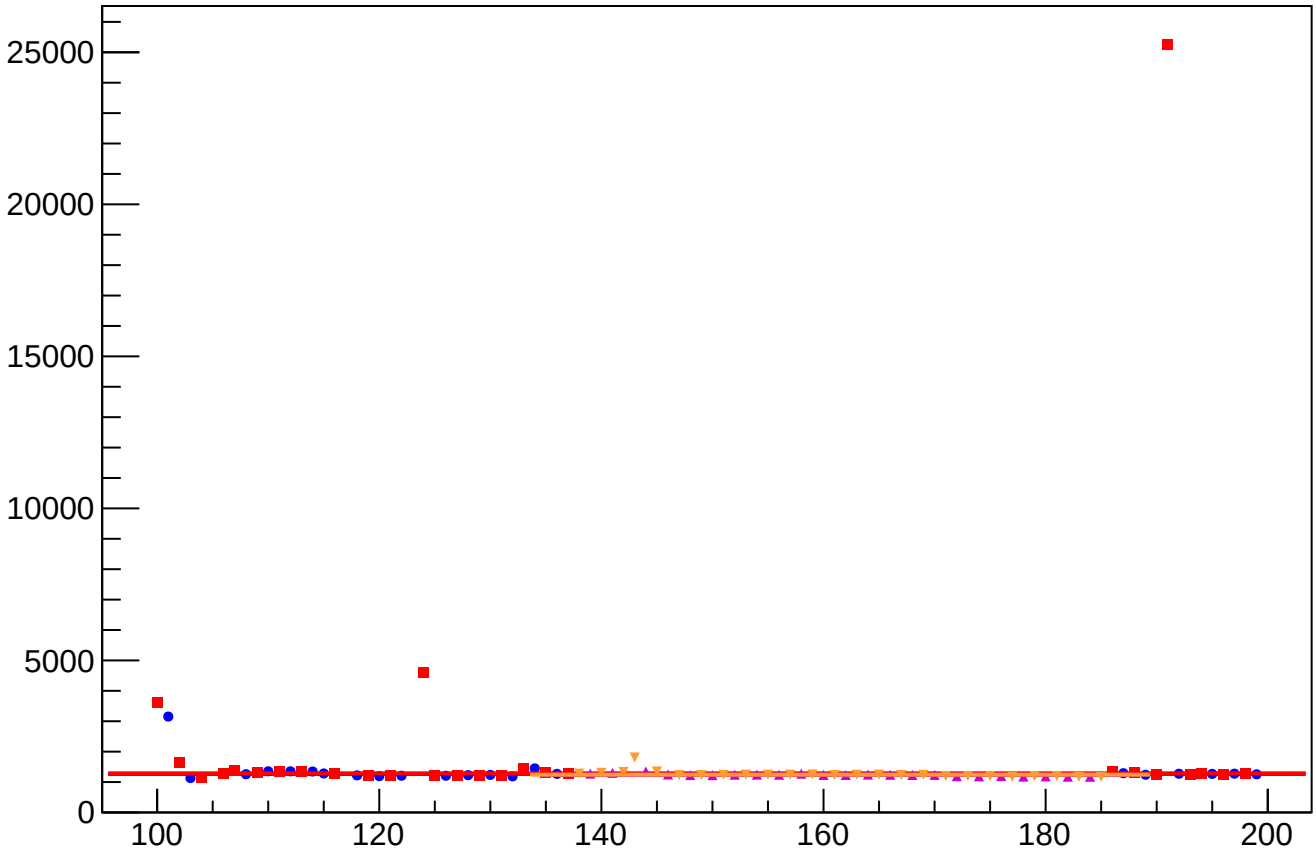
Left: -157.773+/-201.950 χ^2/NDF: 38.7/47

Right: -165.200+/-263.676 χ^2/NDF: 47.5/48

In: 51.418+/-229.277 χ^2/NDF:35.2/44

Out: -363.320+/-224.282 χ^2/NDF:49.4/51

All: -160.519+/-160.328 χ^2/NDF: 86.2/96



Right In: 1269.853+/-0.268 χ^2/NDF: 520433.3/21

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

Right Out: 1283.949+/-0.260 χ^2/NDF: 475260.4/26

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

Left: 1238.371+/-0.143 χ^2/NDF: 243589.6/47

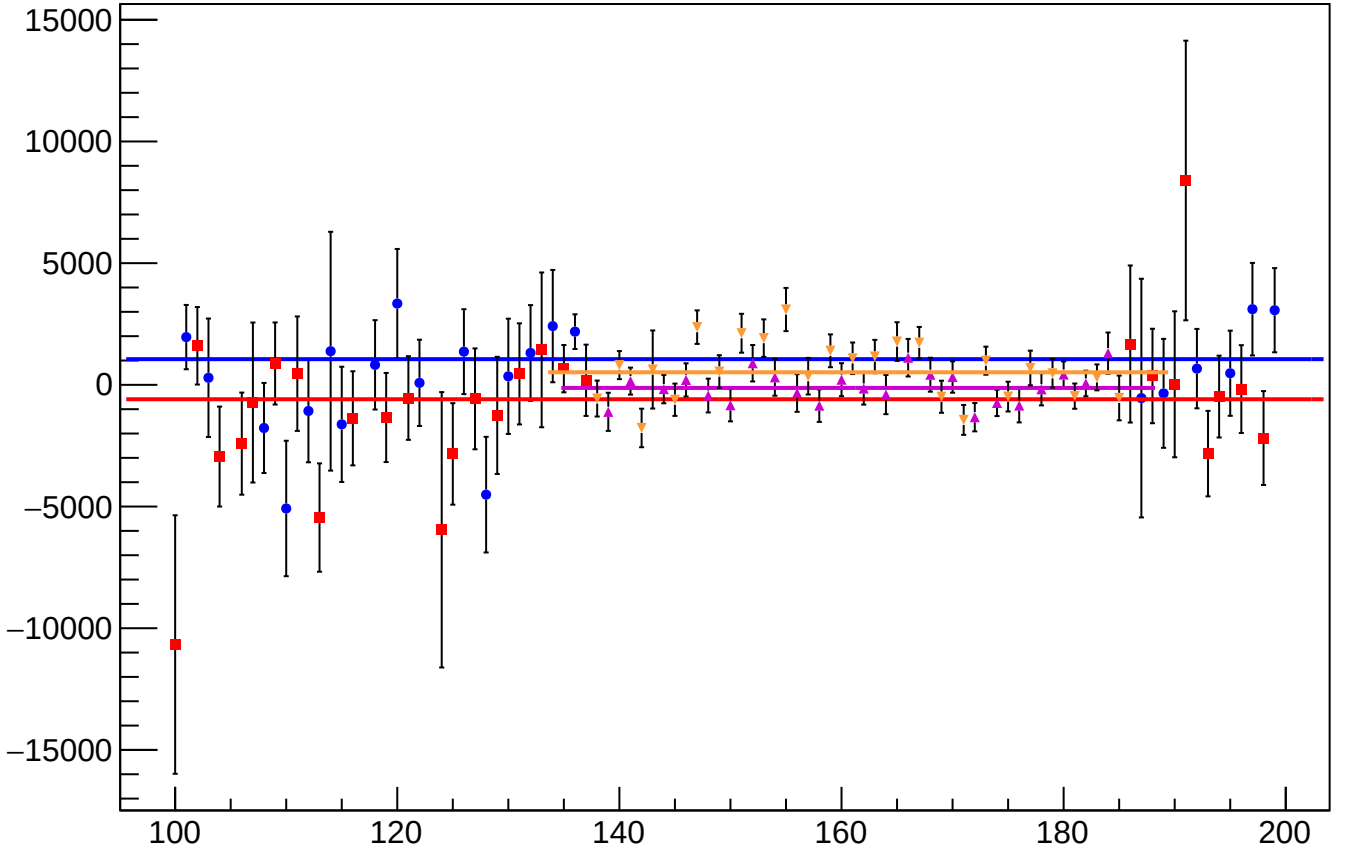
Right: 1277.104+/-0.186 χ^2/NDF: 997121.4/48

In: 1247.008+/-0.162 χ^2/NDF:571236.5/44

Out: 1258.130+/-0.159 χ^2/NDF:694271.1/51

All: 1252.691+/-0.113 χ^2/NDF: 1267912.6/96

asym_at1_dd_at2_dd_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: 1055.404+/-375.997 χ^2/NDF: 23.1/21

Left Out: 516.811+/-135.747 χ^2/NDF:67.0/24

Right Out: -591.449+/-380.548 χ^2/NDF: 24.0/26

Left In: -126.549+/-137.266 χ^2/NDF:21.6/22

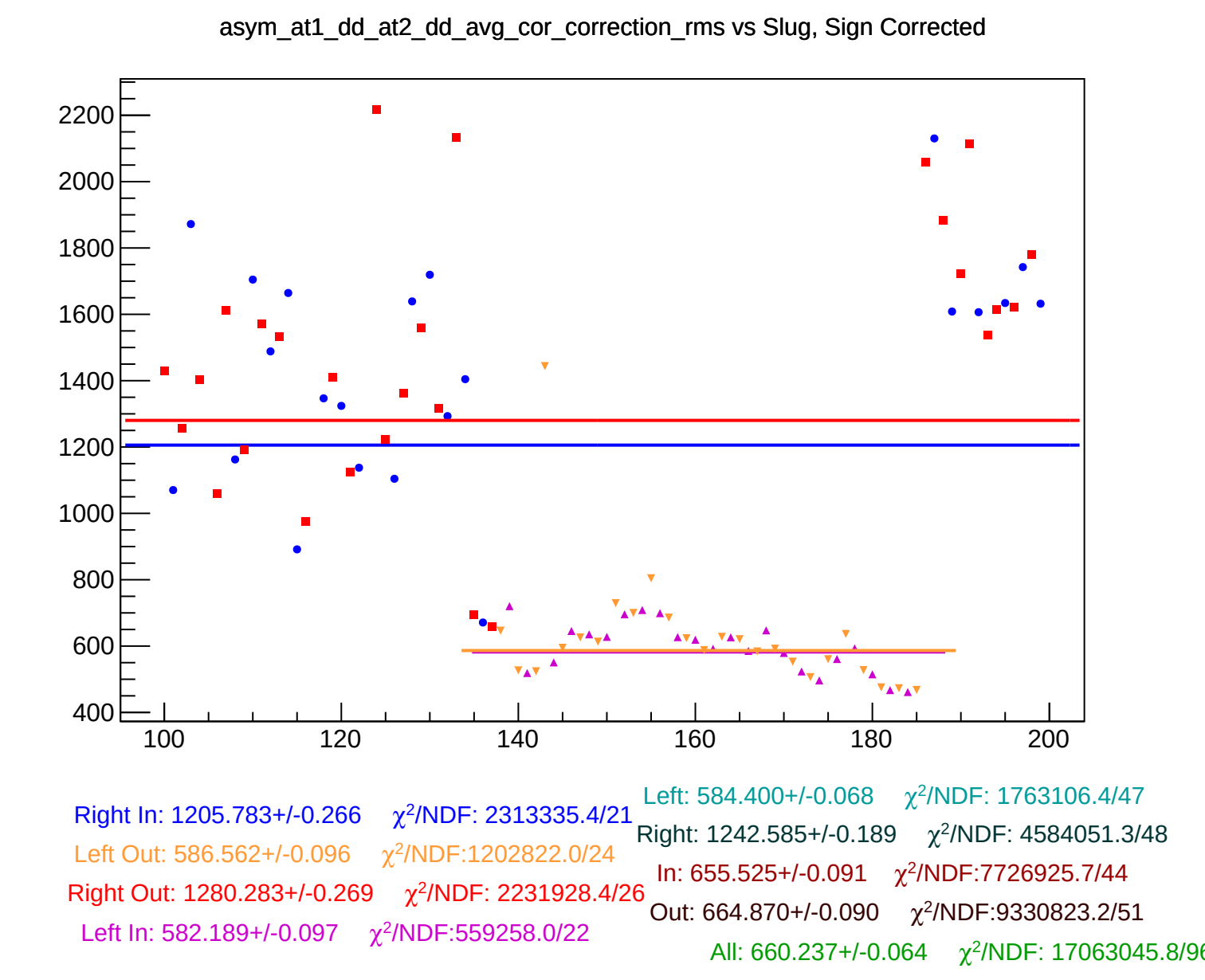
Left: 198.710+/-96.520 χ^2/NDF: 99.7/47

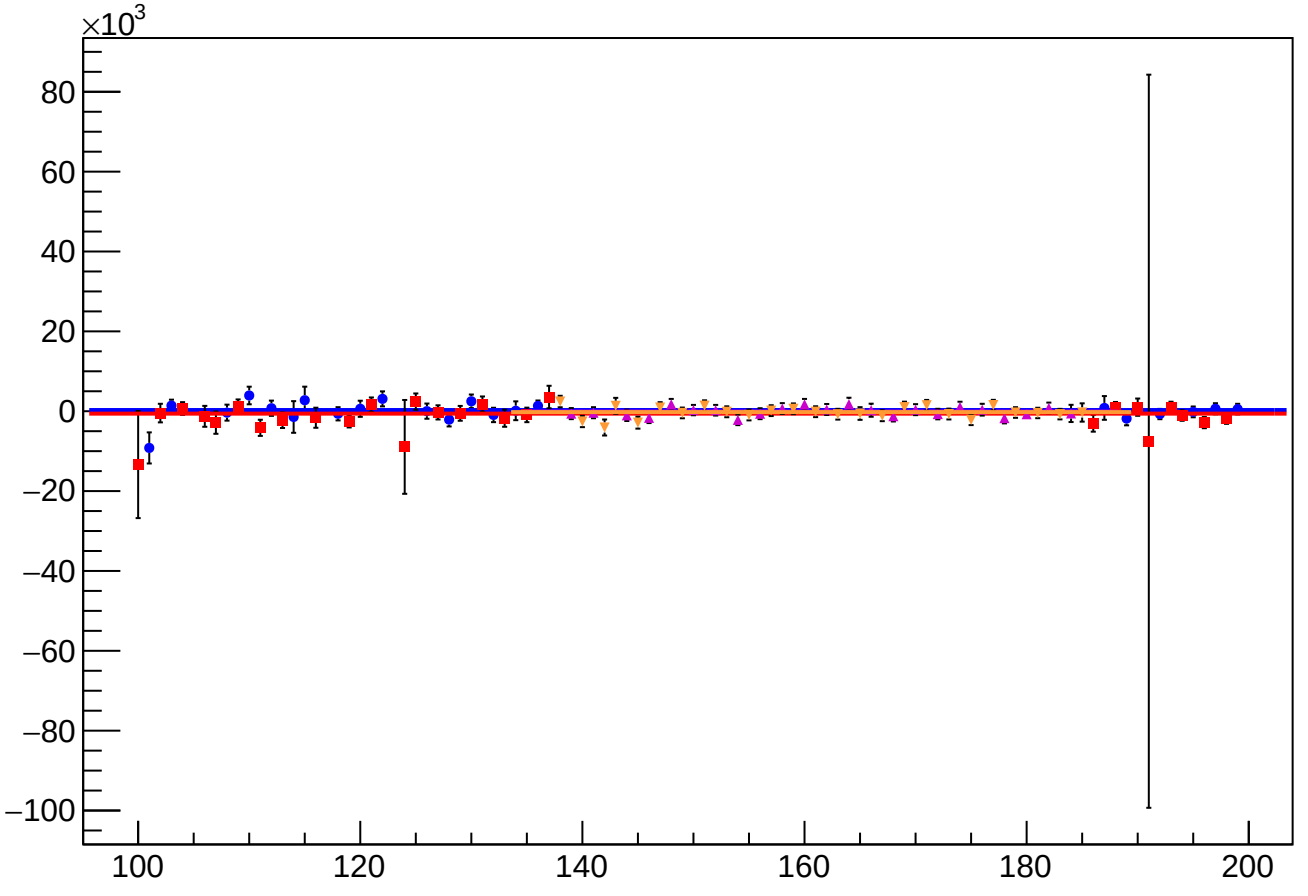
Right: 241.884+/-267.464 χ^2/NDF: 56.6/48

In: 12.453+/-128.942 χ^2/NDF:53.4/44

Out: 391.709+/-127.856 χ^2/NDF:98.5/51

All: 203.685+/-90.789 χ^2/NDF: 156.3/96


asym_at1_dd_at2_dd_avg_cor_correction_rms vs Slug, Sign Corrected
2200
2000
1800
1600
1400
1200
1000
800
600
400
100
120
140
160
180
200
Right In: 1205.783+/-0.266 χ²/NDF: 2313335.4/21
Left Out: 586.562+/-0.096 χ²/NDF:1202822.0/24
Right Out: 1280.283+/-0.269 χ²/NDF: 2231928.4/26
Left In: 582.189+/-0.097 χ²/NDF:559258.0/22
Left: 584.400+/-0.068 χ²/NDF: 1763106.4/47
Right: 1242.585+/-0.189 χ²/NDF: 4584051.3/48
In: 655.525+/-0.091 χ²/NDF:7726925.7/44
Out: 664.870+/-0.090 χ²/NDF:9330823.2/51
All: 660.237+/-0.064 χ²/NDF: 17063045.8/96



Right In: 299.409+/-378.376 χ^2/NDF: 19.8/21

Left Out: -220.755+/-283.055 χ^2/NDF:23.9/24

Right Out: -603.827+/-367.644 χ^2/NDF: 24.8/26

Left In: -92.472+/-288.217 χ^2/NDF:14.7/22

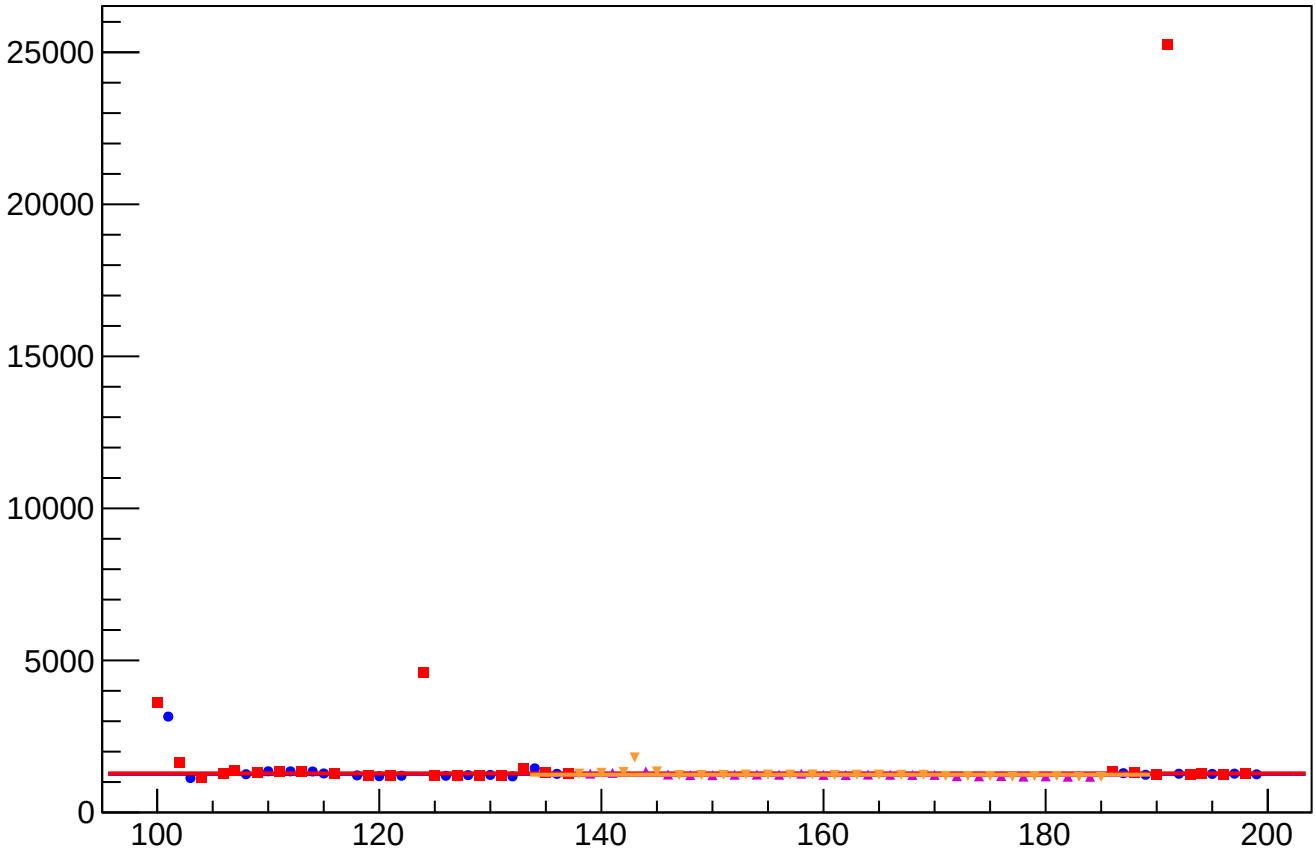
Left: -157.773+/-201.950 χ^2/NDF: 38.7/47

Right: -165.200+/-263.676 χ^2/NDF: 47.5/48

In: 51.418+/-229.277 χ^2/NDF:35.2/44

Out: -363.320+/-224.282 χ^2/NDF:49.4/51

All: -160.519+/-160.328 χ^2/NDF: 86.2/96



Right In: 1269.853+/-0.268 χ^2/NDF: 520433.3/21

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

Right Out: 1283.949+/-0.260 χ^2/NDF: 475260.4/26

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

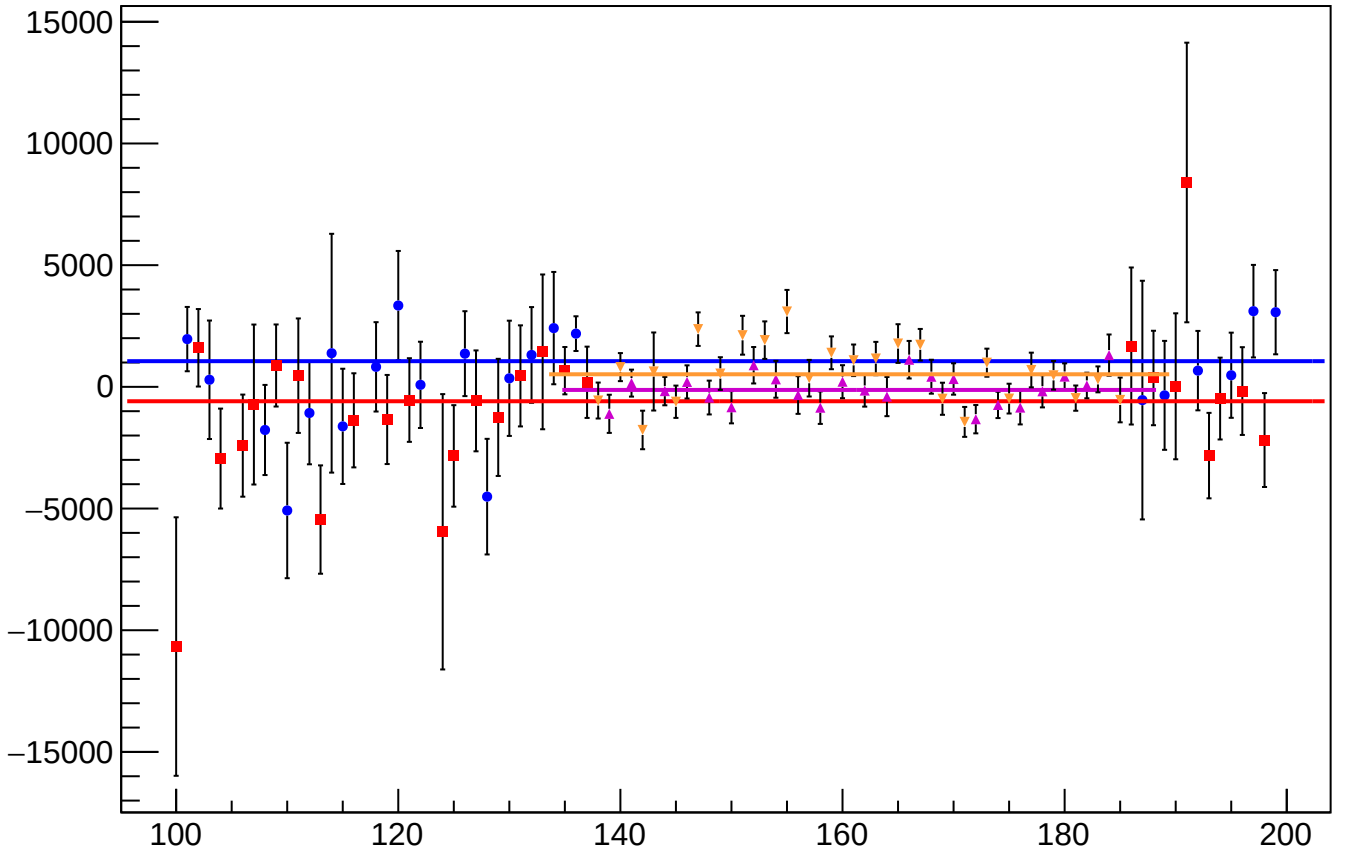
Left: 1238.371+/-0.143 χ^2/NDF: 243589.6/47

Right: 1277.104+/-0.186 χ^2/NDF: 997121.4/48

In: 1247.008+/-0.162 χ^2/NDF:571236.5/44

Out: 1258.130+/-0.159 χ^2/NDF:694271.1/51

All: 1252.691+/-0.113 χ^2/NDF: 1267912.6/96



Right In: 1055.404+/-375.997 χ^2/NDF: 23.1/21

Left Out: 516.811+/-135.747 χ^2/NDF:67.0/24

Right Out: -591.449+/-380.548 χ^2/NDF: 24.0/26

Left In: -126.549+/-137.266 χ^2/NDF:21.6/22

Left: 198.710+/-96.520 χ^2/NDF: 99.7/47

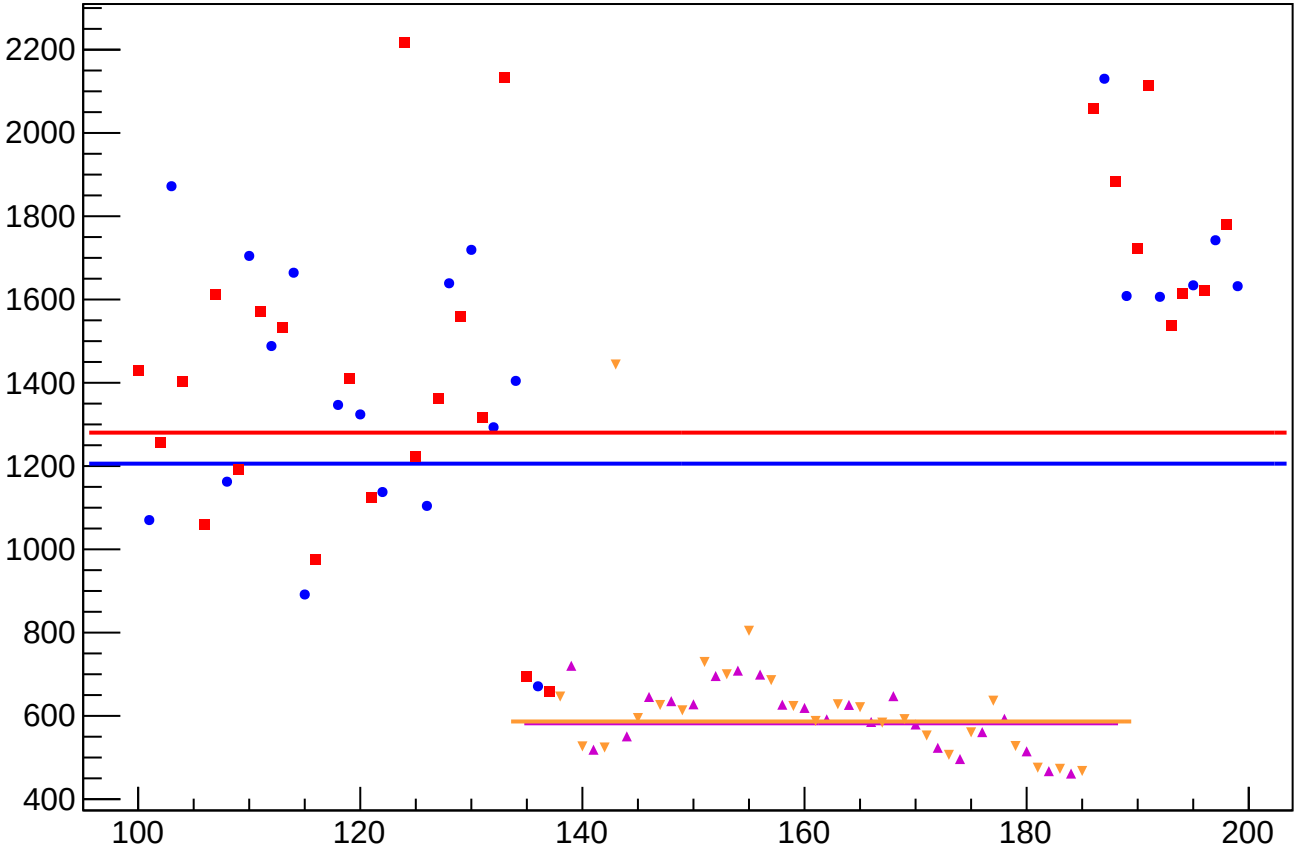
Right: 241.884+/-267.464 χ^2/NDF: 56.6/48

In: 12.453+/-128.942 χ^2/NDF:53.4/44

Out: 391.709+/-127.856 χ^2/NDF:98.5/51

All: 203.685+/-90.789 χ^2/NDF: 156.3/96

asym_at1_dd_at2_dd_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1205.783+/-0.266 χ^2/NDF: 2313335.4/21

Left Out: 586.562+/-0.096 χ^2/NDF:1202822.0/24

Right Out: 1280.283+/-0.269 χ^2/NDF: 2231928.4/26

Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

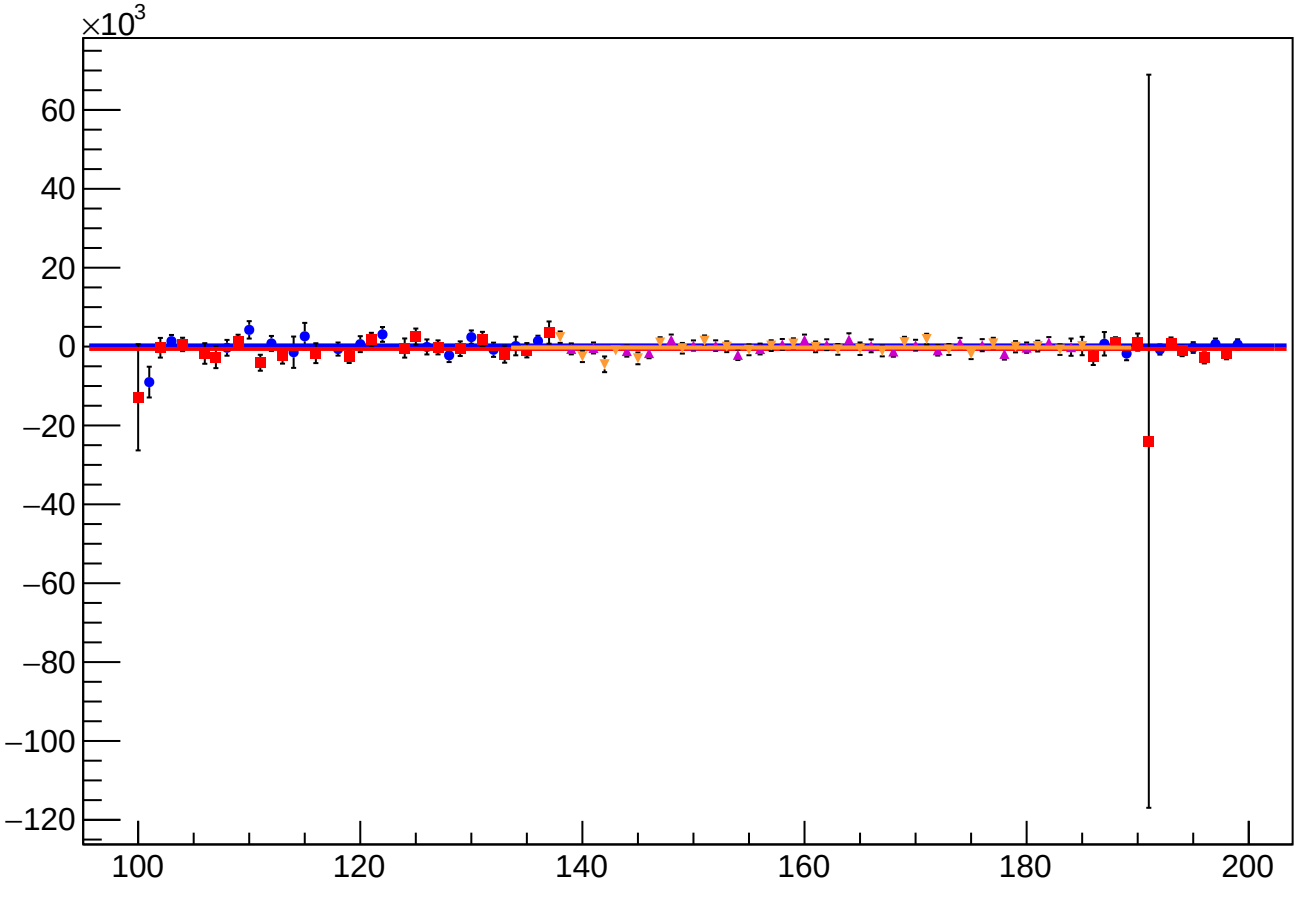
Left: 584.400+/-0.068 χ^2/NDF: 1763106.4/47

Right: 1242.585+/-0.189 χ^2/NDF: 4584051.3/48

In: 655.525+/-0.091 χ^2/NDF:7726925.7/44

Out: 664.870+/-0.090 χ^2/NDF:9330823.2/51

All: 660.237+/-0.064 χ^2/NDF: 17063045.8/96



Right In: 292.883+/-380.114 χ^2/NDF: 19.9/21

Left Out: -250.849+/-279.923 χ^2/NDF:24.0/24

Right Out: -598.470+/-366.000 χ^2/NDF: 24.4/26

Left In: -74.881+/-291.458 χ^2/NDF:14.0/22

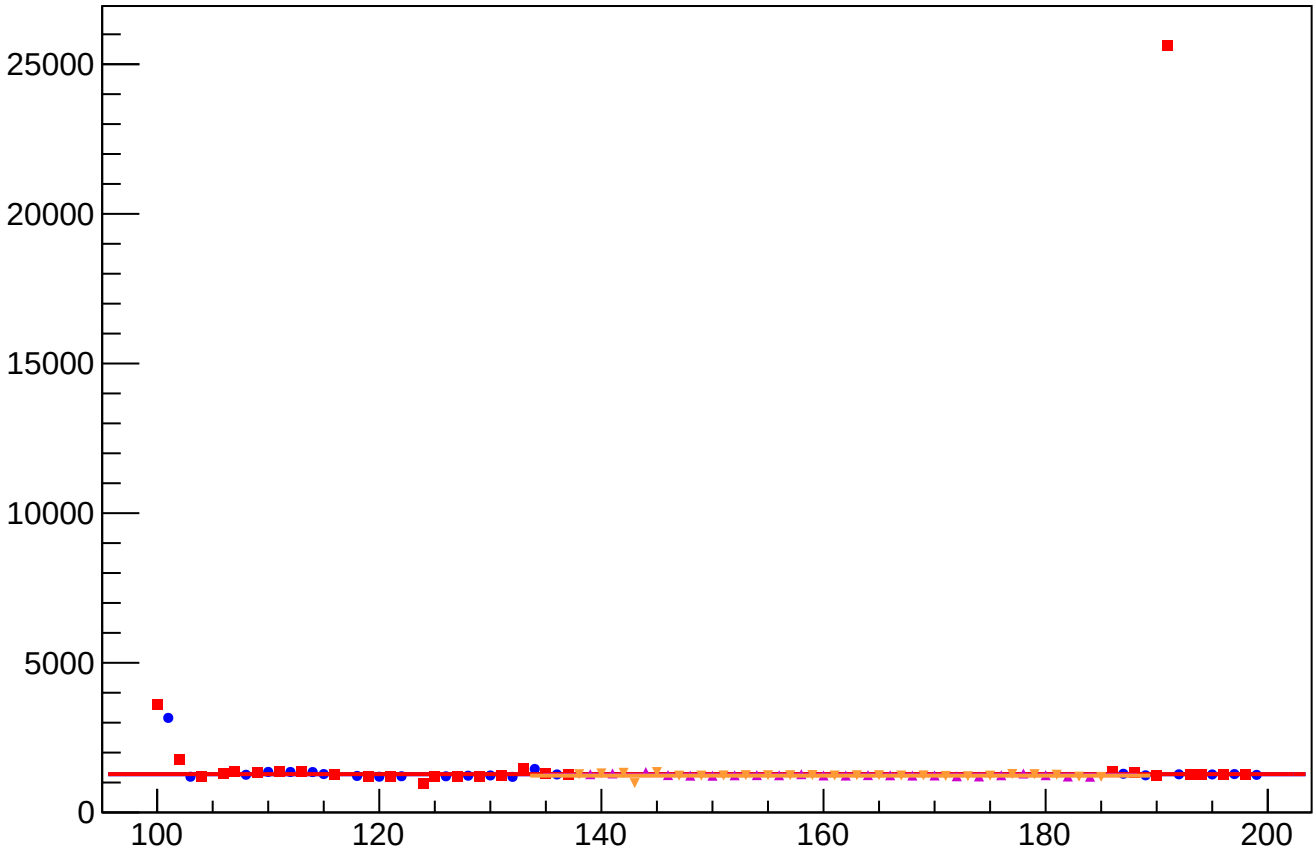
Left: -166.416+/-201.890 χ^2/NDF: 38.2/47

Right: -169.649+/-263.649 χ^2/NDF: 47.1/48

In: 61.283+/-231.292 χ^2/NDF:34.4/44

Out: -379.143+/-222.347 χ^2/NDF:49.0/51

All: -167.611+/-160.292 χ^2/NDF: 85.3/96



Right In: 1275.988+/-0.269 χ^2/NDF: 508749.0/21

Left Out: 1229.986+/-0.198 χ^2/NDF:141607.5/24

Right Out: 1280.724+/-0.259 χ^2/NDF: 368645.8/26

Left In: 1247.785+/-0.206 χ^2/NDF:27340.8/22

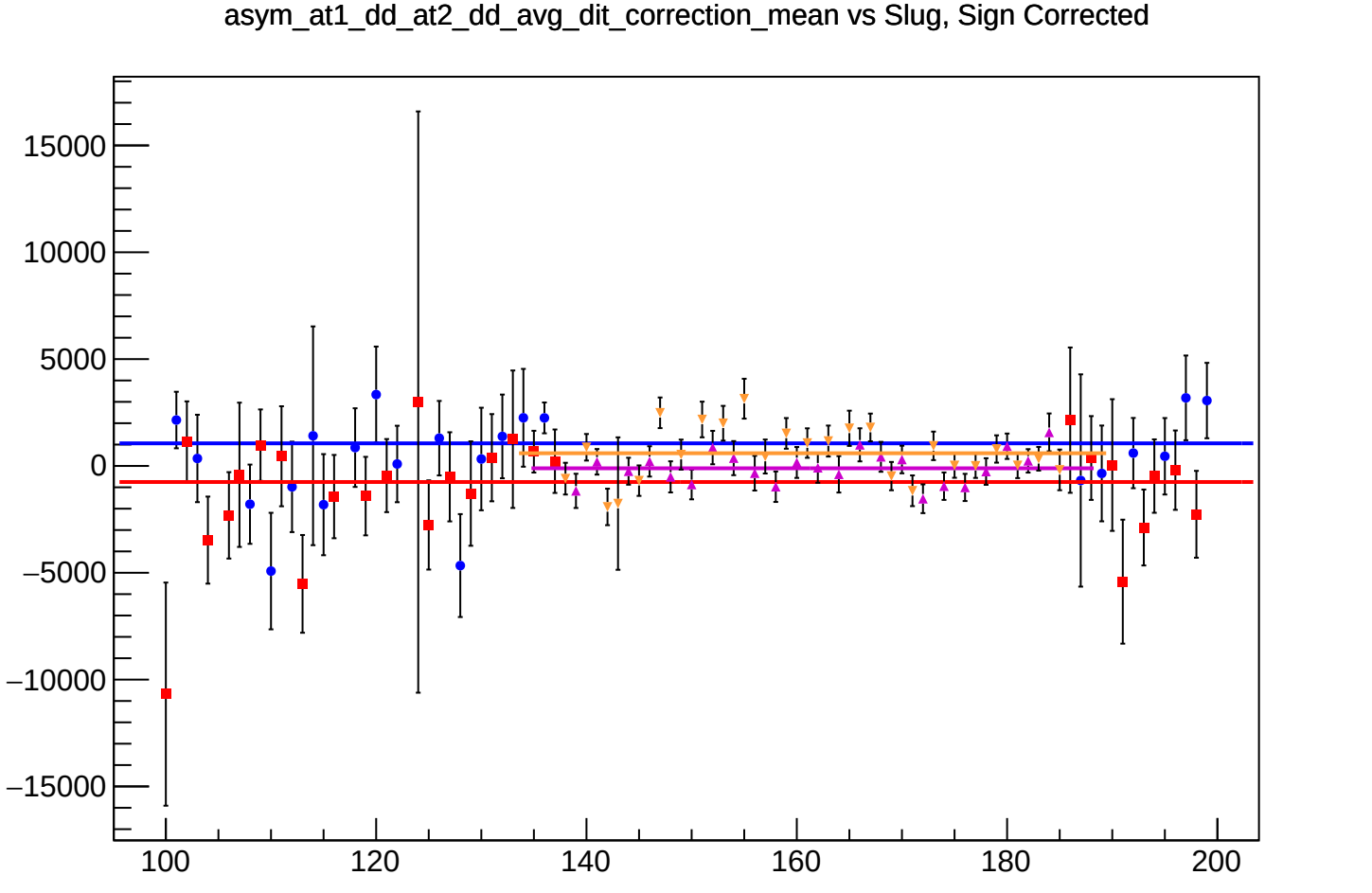
Left: 1238.526+/-0.143 χ^2/NDF: 172828.2/47

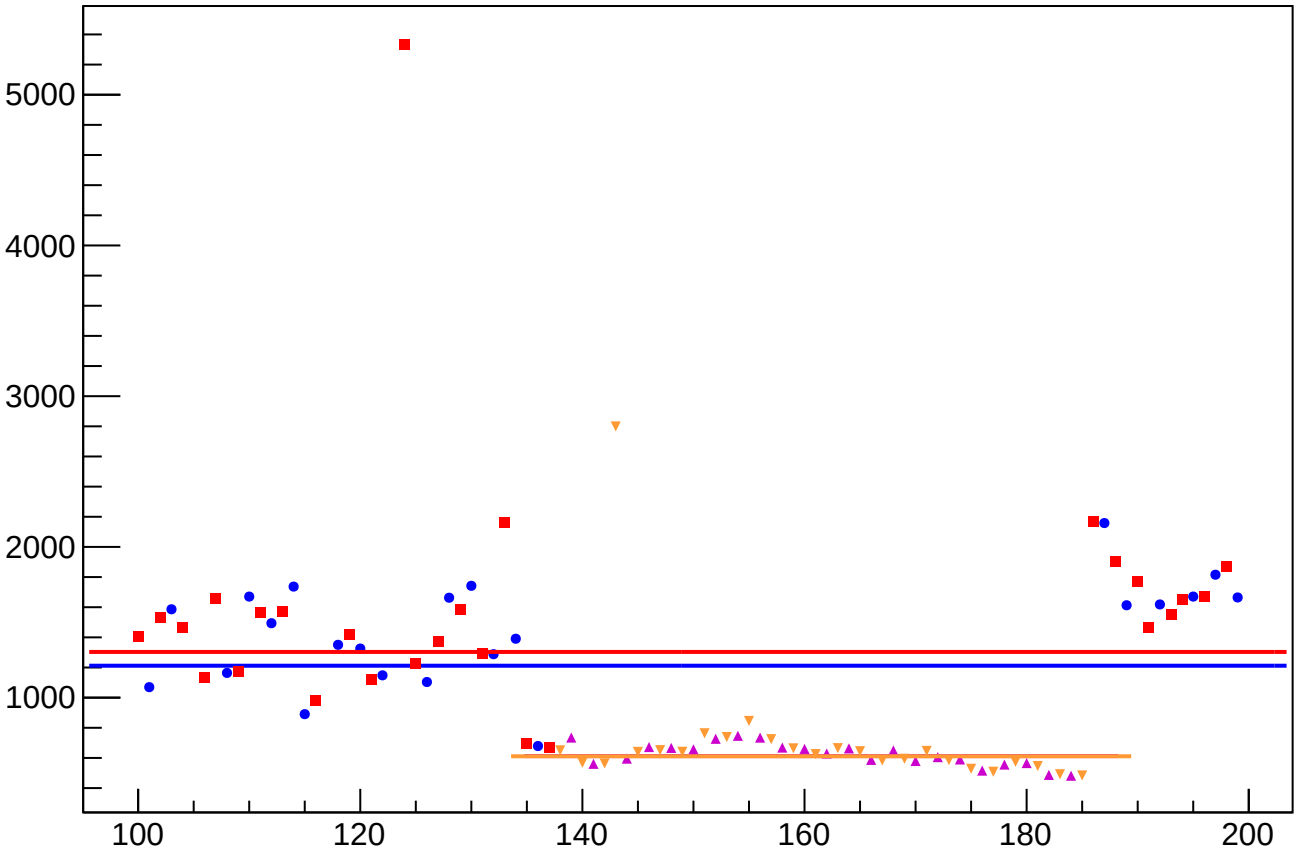
Right: 1278.445+/-0.186 χ^2/NDF: 877555.9/48

In: 1258.227+/-0.164 χ^2/NDF:543023.4/44

Out: 1248.712+/-0.157 χ^2/NDF:534503.4/51

All: 1253.282+/-0.113 χ^2/NDF: 1079286.1/96


asym_at1_dd_at2_dd_avg_dit_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
100
120
140
160
180
200
Right In: 1058.125+/-377.211 χ²/NDF: 23.6/21
Left Out: 595.000+/-142.130 χ²/NDF:57.3/24
Right Out: -751.626+/-384.991 χ²/NDF: 23.0/26
Left In: -110.252+/-144.232 χ²/NDF:25.7/22
Left: 247.550+/-101.236 χ²/NDF: 95.2/47
Right: 171.720+/-269.437 χ²/NDF: 57.9/48
In: 38.780+/-134.720 χ²/NDF:57.7/44
Out: 433.478+/-133.334 χ²/NDF:91.1/51
All: 238.169+/-94.768 χ²/NDF: 153.2/96



Right In: 1211.853+/-0.267 χ^2/NDF: 2250247.7/21

Left Out: 611.087+/-0.101 χ^2/NDF:1619322.3/24

Right Out: 1303.250+/-0.272 χ^2/NDF: 2433704.8/26

Left In: 612.399+/-0.102 χ^2/NDF:508595.4/22

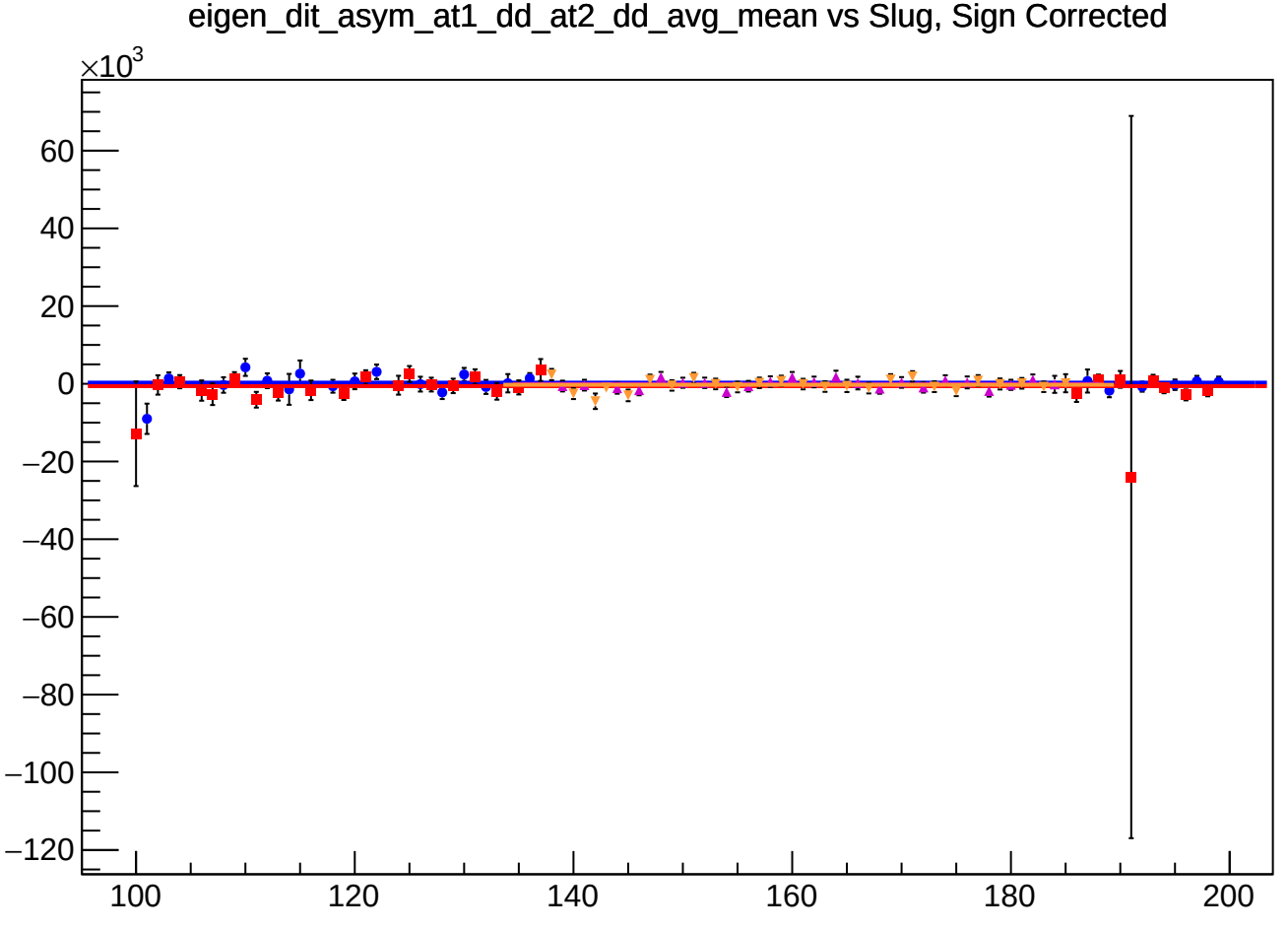
Left: 611.733+/-0.072 χ^2/NDF: 2128001.7/47

Right: 1256.619+/-0.191 χ^2/NDF: 4741461.4/48

In: 688.862+/-0.095 χ^2/NDF:7165523.5/44

Out: 694.108+/-0.094 χ^2/NDF:9742286.5/51

All: 691.512+/-0.067 χ^2/NDF: 16909342.3/96



Right In: 292.885+/-380.114 χ^2/NDF: 19.9/21

Left Out: -250.851+/-279.923 χ^2/NDF:24.0/24

Right Out: -598.470+/-366.000 χ^2/NDF: 24.4/26

Left In: -74.881+/-291.458 χ^2/NDF:14.0/22

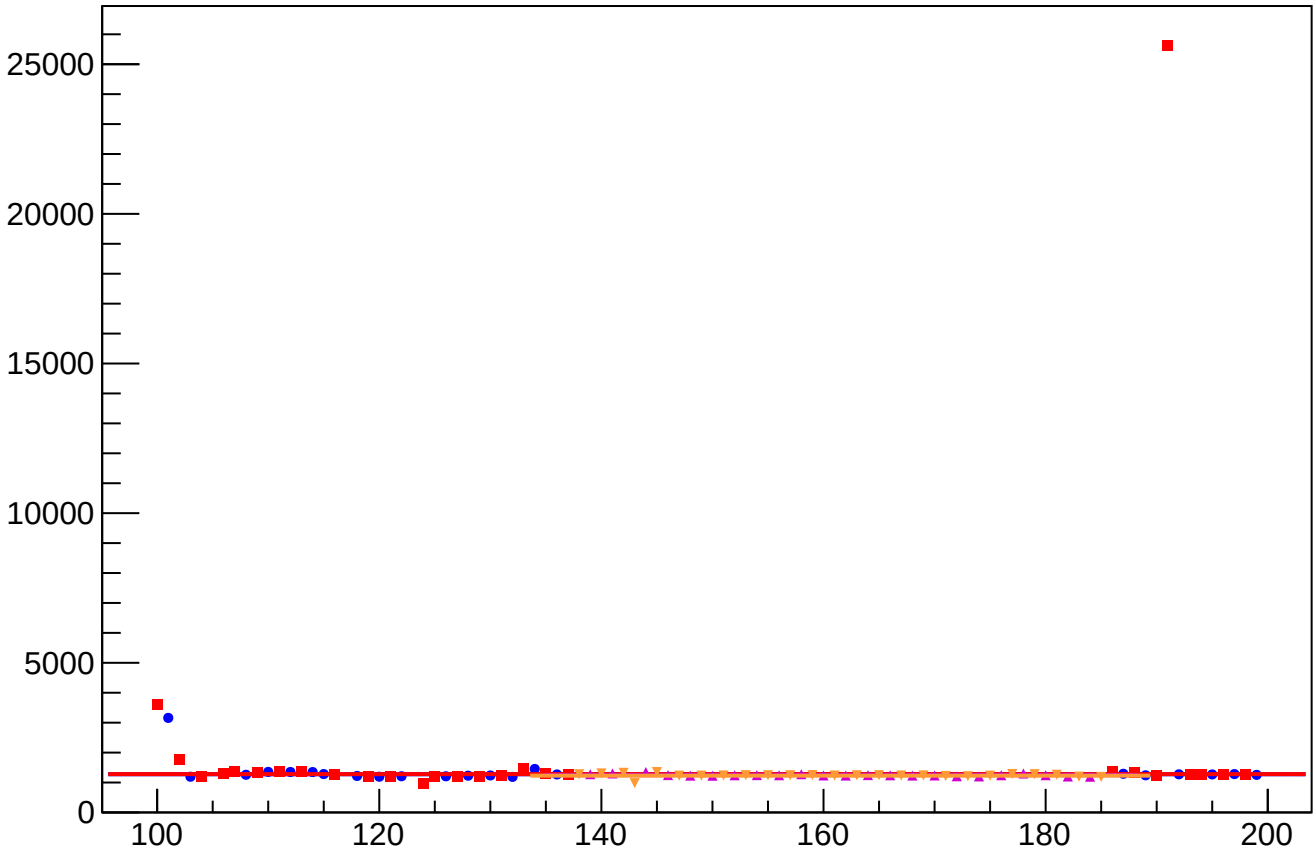
Left: -166.417+/-201.890 χ^2/NDF: 38.2/47

Right: -169.648+/-263.649 χ^2/NDF: 47.1/48

In: 61.284+/-231.292 χ^2/NDF:34.4/44

Out: -379.144+/-222.347 χ^2/NDF:49.0/51

All: -167.611+/-160.292 χ^2/NDF: 85.3/96



Right In: 1275.988+/-0.269 χ^2/NDF: 508749.1/21

Left Out: 1229.986+/-0.198 χ^2/NDF:141606.6/24

Right Out: 1280.723+/-0.259 χ^2/NDF: 368645.7/26

Left In: 1247.785+/-0.206 χ^2/NDF:27340.7/22

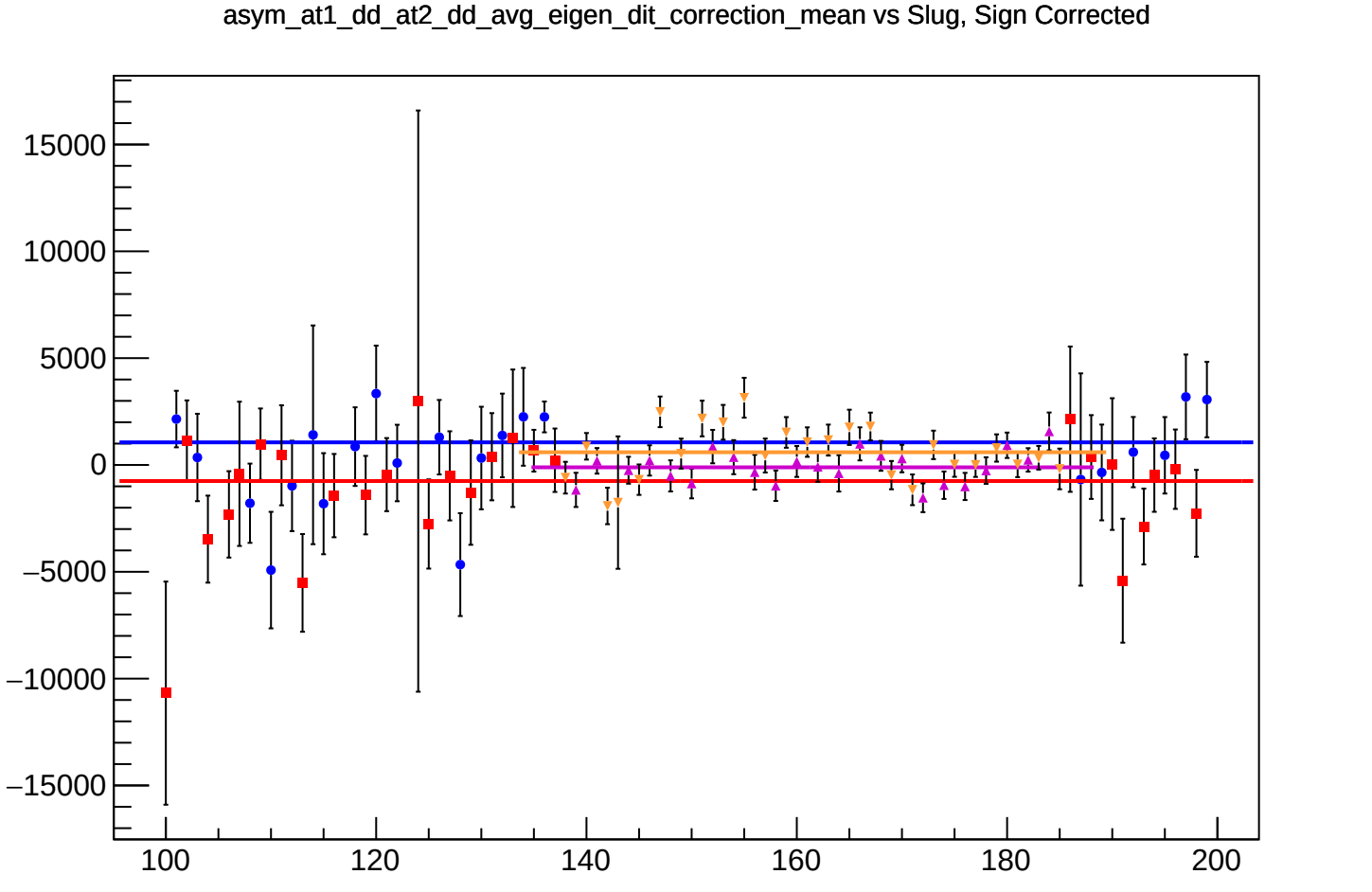
Left: 1238.526+/-0.143 χ^2/NDF: 172827.1/47

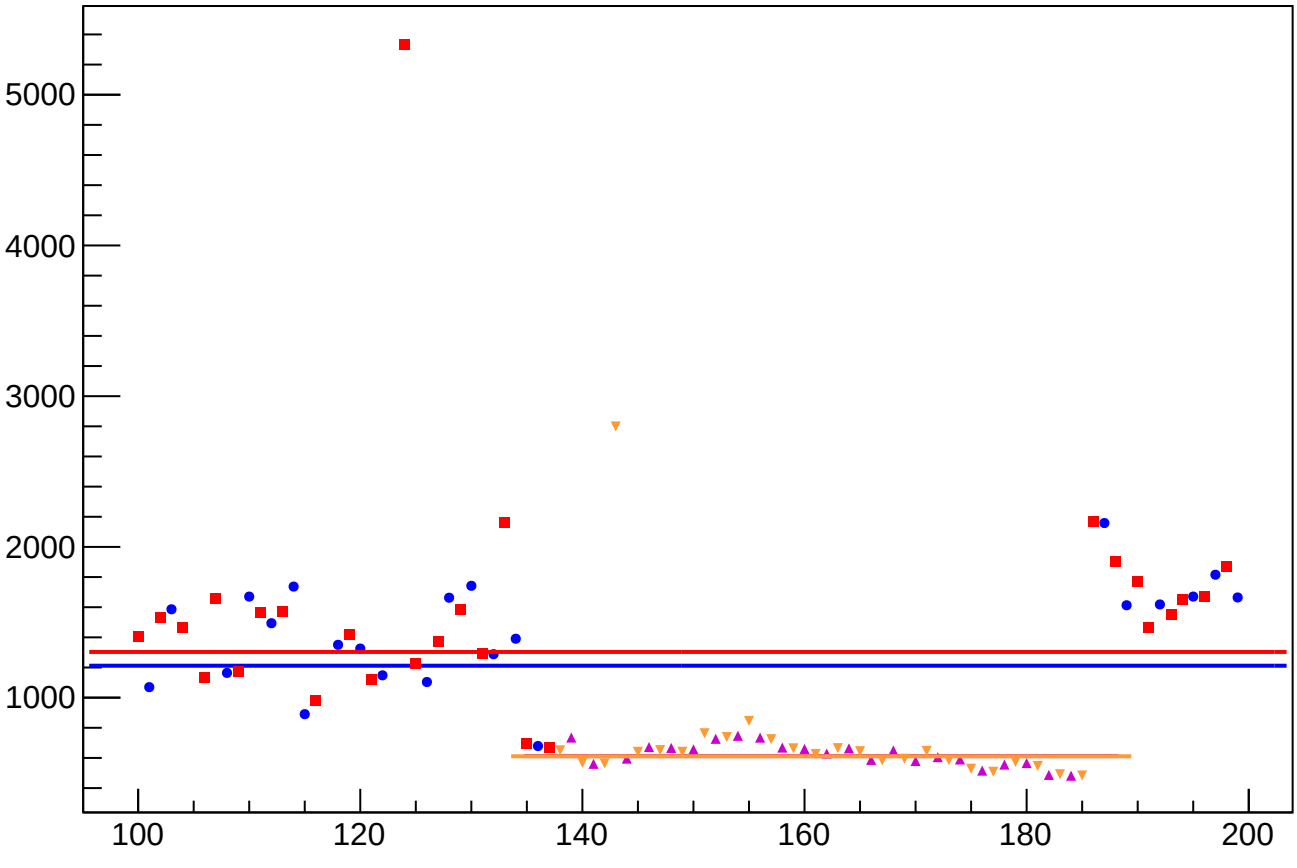
Right: 1278.445+/-0.186 χ^2/NDF: 877555.9/48

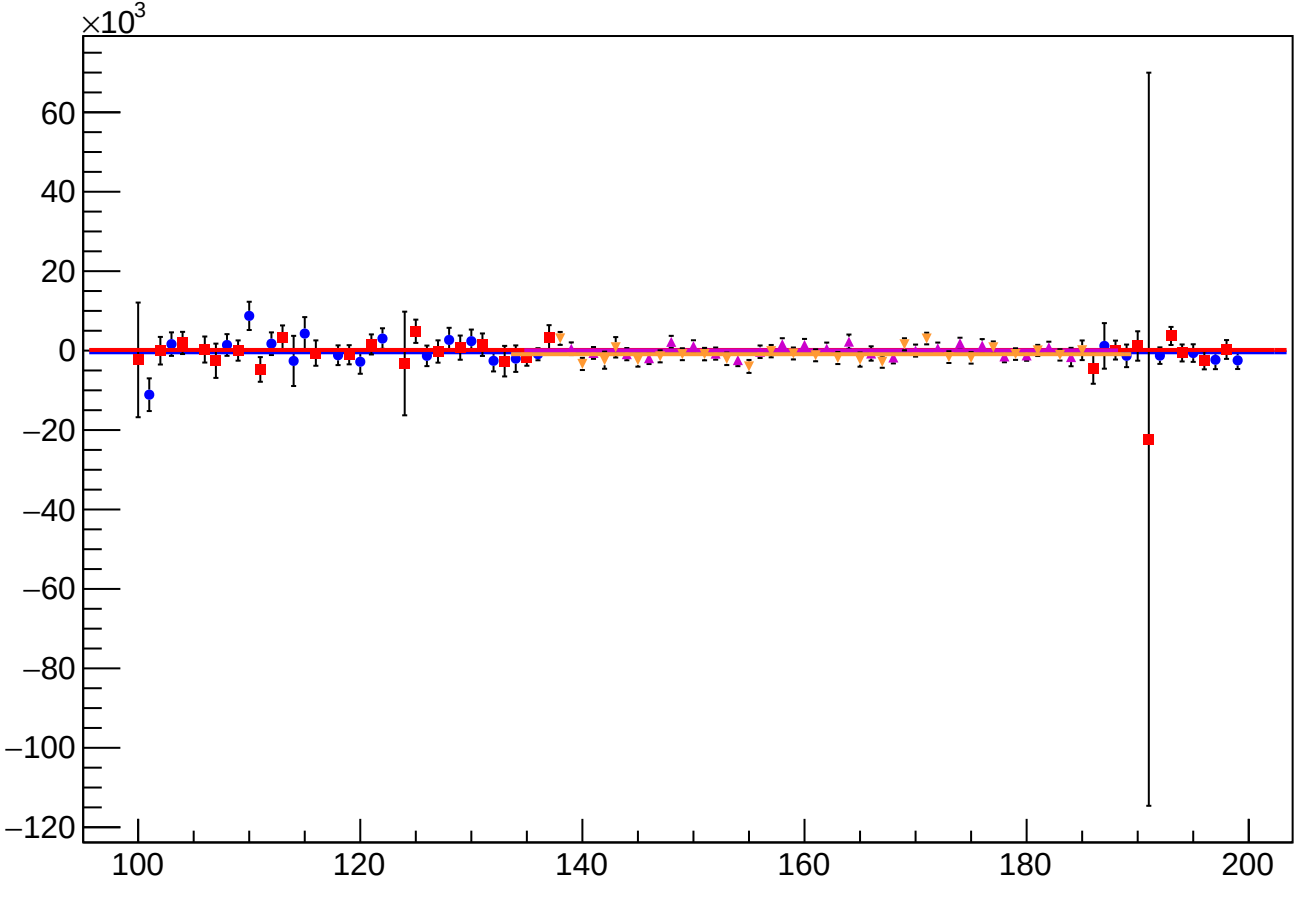
In: 1258.227+/-0.164 χ^2/NDF:543023.5/44

Out: 1248.711+/-0.157 χ^2/NDF:534502.3/51

All: 1253.282+/-0.113 χ^2/NDF: 1079285.1/96


asym_at1_dd_at2_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
100
120
140
160
180
200
Right In: 1058.122+/-377.212 χ²/NDF: 23.6/21
Left Out: 595.000+/-142.130 χ²/NDF:57.3/24
Right Out: -751.637+/-384.992 χ²/NDF: 23.0/26
Left In: -110.251+/-144.232 χ²/NDF:25.7/22
Left: 247.550+/-101.236 χ²/NDF: 95.2/47
Right: 171.713+/-269.438 χ²/NDF: 57.9/48
In: 38.779+/-134.720 χ²/NDF:57.7/44
Out: 433.478+/-133.334 χ²/NDF:91.1/51
All: 238.168+/-94.768 χ²/NDF: 153.2/96


asym_at1_dd_at2_dd_avg_eigen_dit_correction_rms vs Slug, Sign Corrected
5000
4000
3000
2000
1000
100
120
140
160
180
200
Right In: 1211.859+/-0.267 χ²/NDF: 2250169.1/21
Left Out: 611.086+/-0.101 χ²/NDF:1619319.5/24
Right Out: 1303.256+/-0.272 χ²/NDF: 2433626.0/26
Left In: 612.398+/-0.102 χ²/NDF:508597.7/22
Left: 611.733+/-0.072 χ²/NDF: 2128001.1/47
Right: 1256.624+/-0.191 χ²/NDF: 4741304.0/48
In: 688.861+/-0.095 χ²/NDF:7165521.1/44
Out: 694.108+/-0.094 χ²/NDF:9742279.2/51
All: 691.512+/-0.067 χ²/NDF: 16909332.8/96



Right In: -419.068+/-575.072 χ^2/NDF: 23.7/21

Left Out: -899.894+/-316.449 χ^2/NDF:29.8/24

Right Out: 164.802+/-564.435 χ^2/NDF: 15.7/26

Left In: 48.178+/-320.929 χ^2/NDF:17.9/22

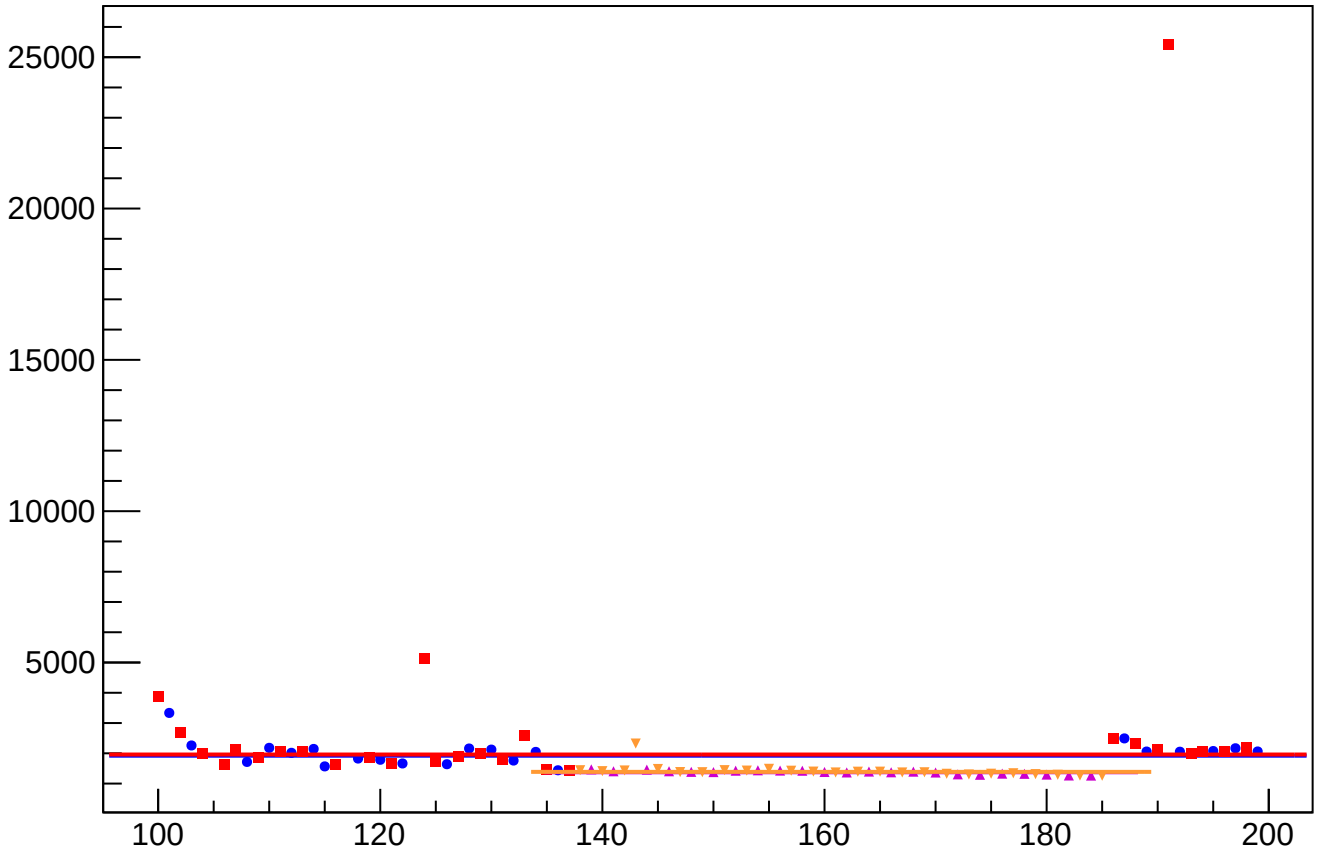
Left: -432.522+/-225.330 χ^2/NDF: 52.1/47

Right: -121.683+/-402.824 χ^2/NDF: 40.0/48

In: -62.783+/-280.243 χ^2/NDF:42.1/44

Out: -645.269+/-276.027 χ^2/NDF:48.3/51

All: -358.440+/-196.654 χ^2/NDF: 92.5/96



Right In: 1921.514+/-0.407 χ^2/NDF: 656023.6/21

Left Out: 1386.845+/-0.224 χ^2/NDF:339794.5/24

Right Out: 1959.803+/-0.399 χ^2/NDF: 809243.5/26

Left In: 1373.217+/-0.227 χ^2/NDF:64467.6/22

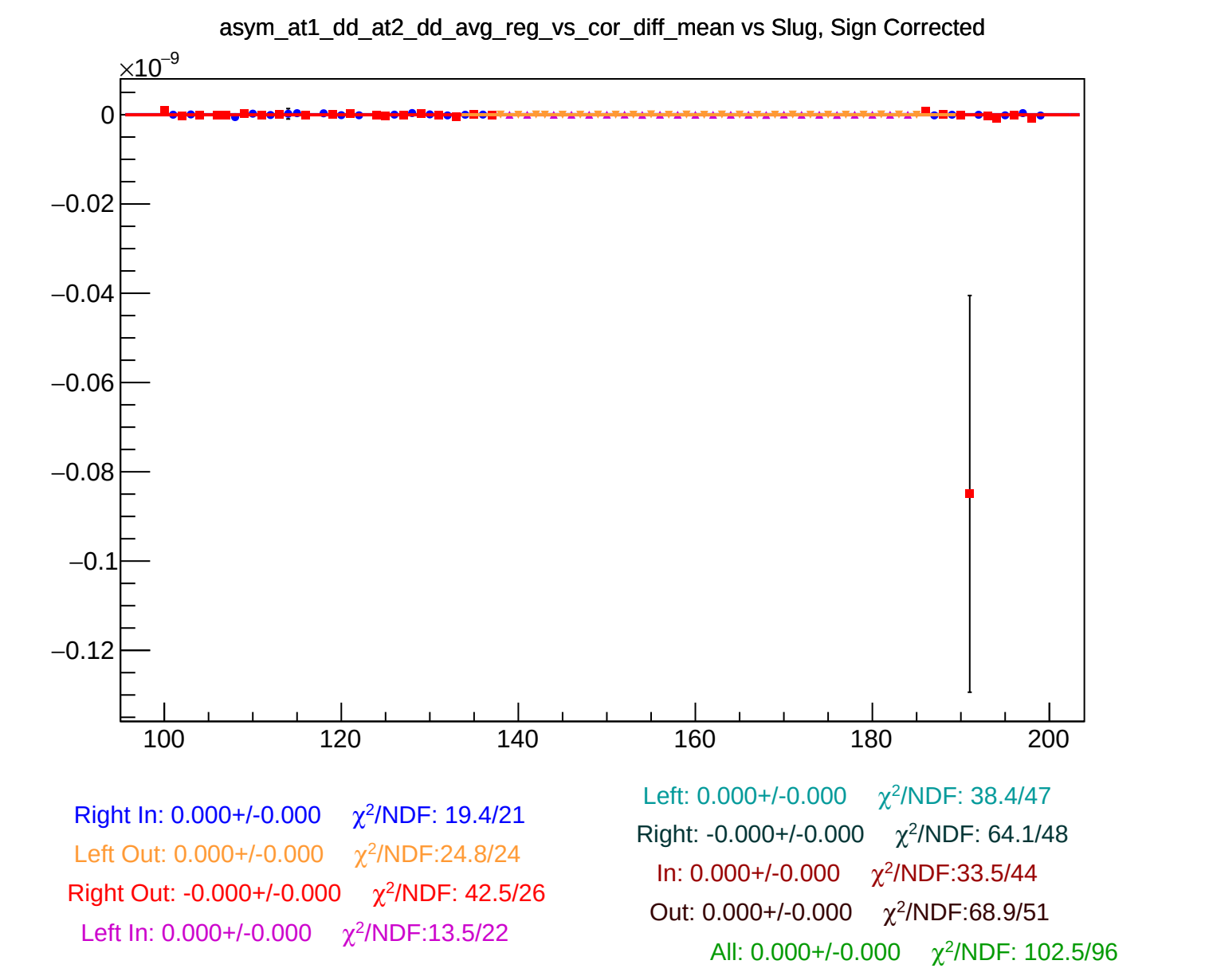
Left: 1380.126+/-0.159 χ^2/NDF: 406090.7/47

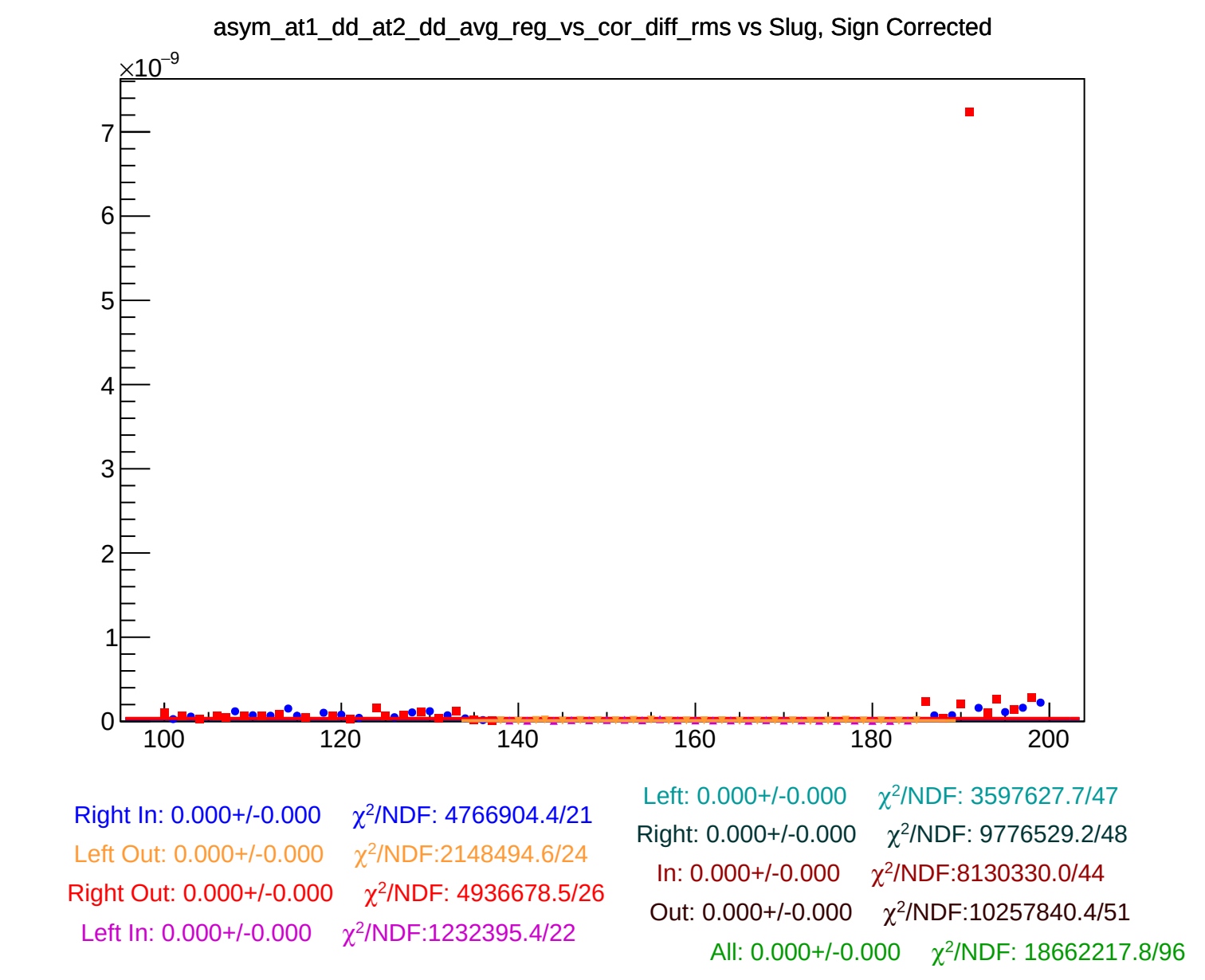
Right: 1941.016+/-0.285 χ^2/NDF: 1469782.9/48

In: 1503.426+/-0.198 χ^2/NDF:2106834.1/44

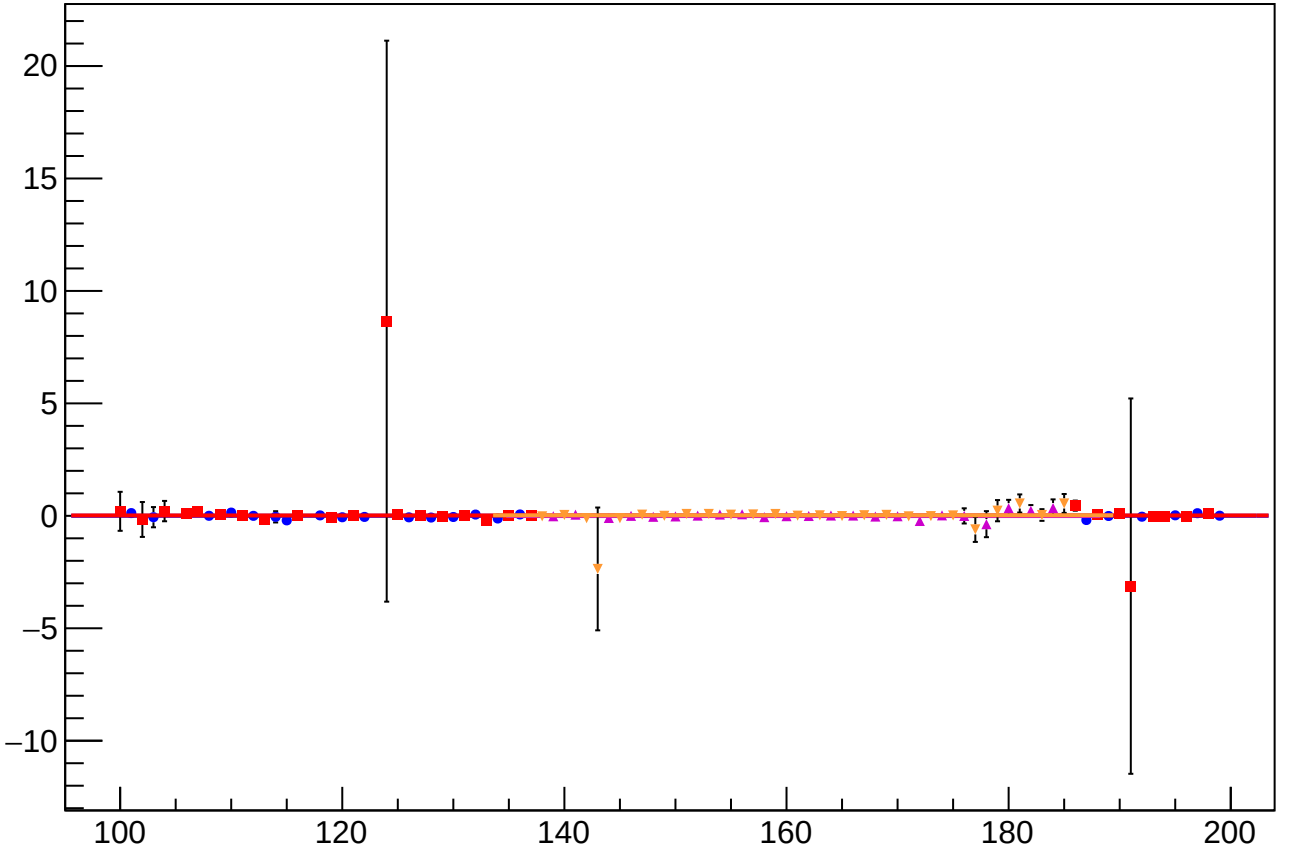
Out: 1523.871+/-0.195 χ^2/NDF:2717052.9/51

All: 1513.803+/-0.139 χ^2/NDF: 4829290.2/96


asym_at1_dd_at2_dd_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−9
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 19.4/21
Left Out: 0.000+/-0.000 χ²/NDF:24.8/24
Right Out: -0.000+/-0.000 χ²/NDF: 42.5/26
Left In: 0.000+/-0.000 χ²/NDF:13.5/22
Left: 0.000+/-0.000 χ²/NDF: 38.4/47
Right: -0.000+/-0.000 χ²/NDF: 64.1/48
In: 0.000+/-0.000 χ²/NDF:33.5/44
Out: 0.000+/-0.000 χ²/NDF:68.9/51
All: 0.000+/-0.000 χ²/NDF: 102.5/96


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: 4766904.4/21
Left Out: 0.000+/-0.000 χ²/NDF:2148494.6/24
Right Out: 0.000+/-0.000 χ²/NDF: 4936678.5/26
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: 9776529.2/48
In: 0.000+/-0.000 χ²/NDF:8130330.0/44
Out: 0.000+/-0.000 χ²/NDF:10257840.4/51
All: 0.000+/-0.000 χ²/NDF: 18662217.8/96

asym_at1_dd_at2_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.002+/-0.013 χ^2/NDF: 24.6/21

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: 0.017+/-0.013 χ^2/NDF: 21.4/26

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

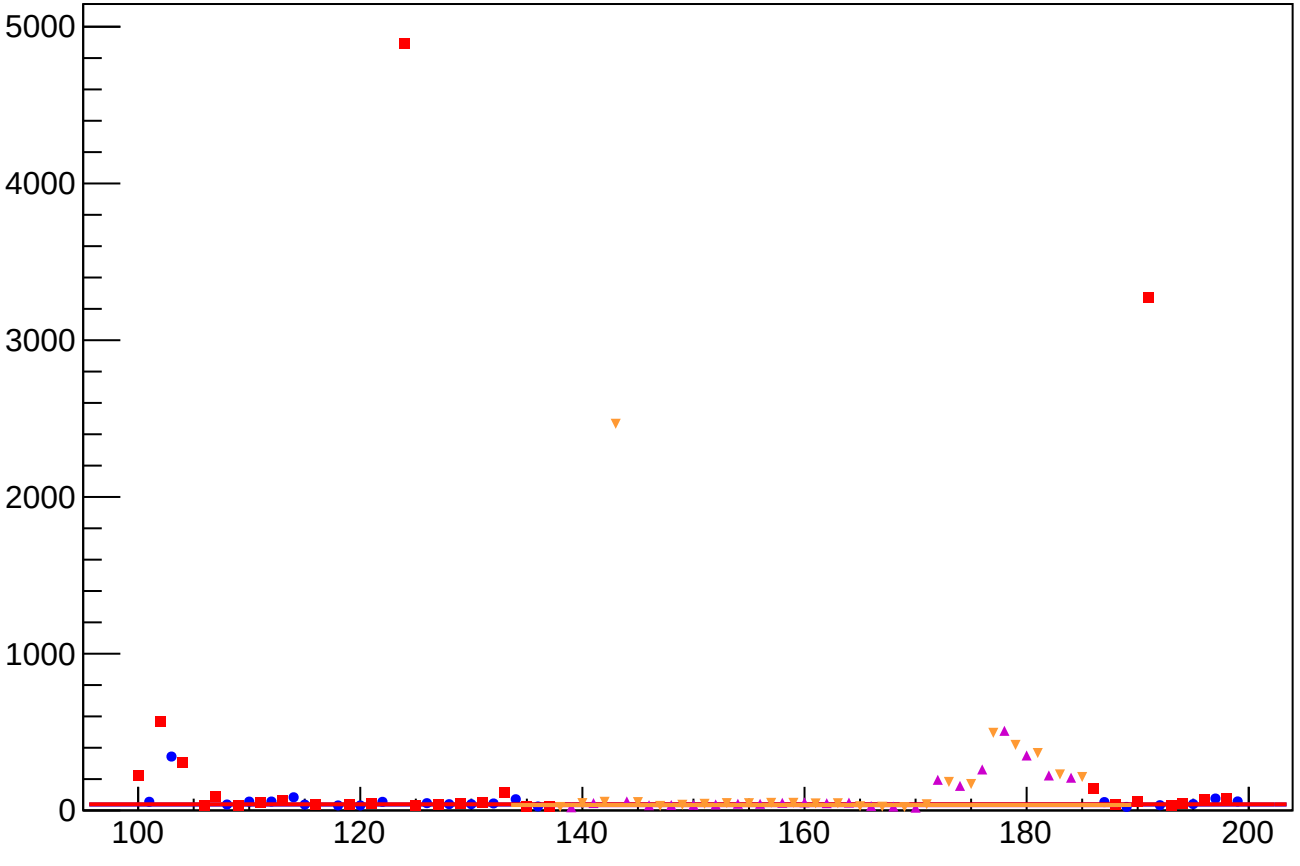
Right: 0.009+/-0.009 χ^2/NDF: 46.6/48

In: -0.005+/-0.008 χ^2/NDF:40.0/44

Out: 0.021+/-0.008 χ^2/NDF:44.4/51

All: 0.007+/-0.006 χ^2/NDF: 89.7/96

asym_at1_dd_at2_dd_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.593+/-0.009 χ^2/NDF: 2881753.2/21

Left Out: 34.624+/-0.007 χ^2/NDF:11402451.4/24

Right Out: 39.452+/-0.009 χ^2/NDF: 4693021.8/26

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

Left: 34.094+/-0.005 χ^2/NDF: 21480396.5/47

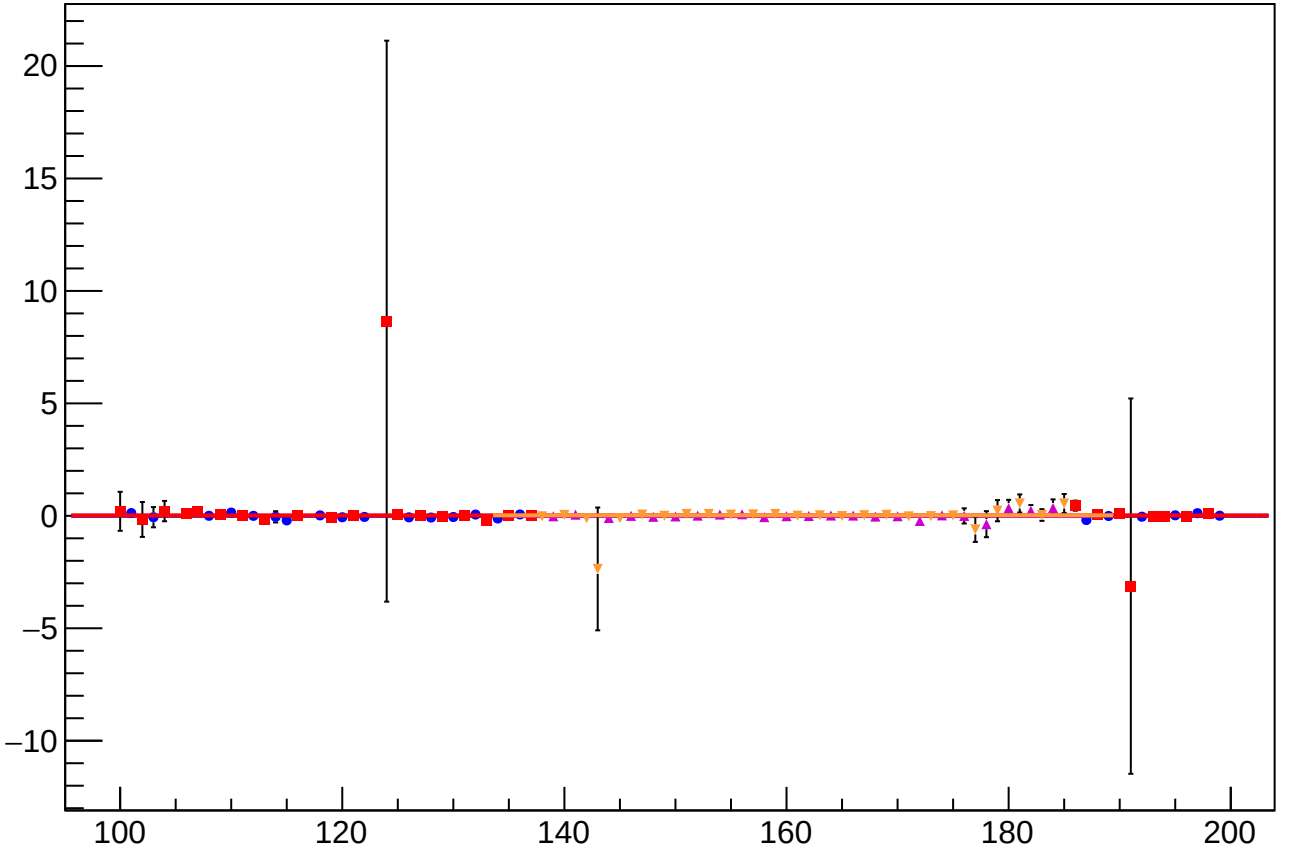
Right: 38.487+/-0.007 χ^2/NDF: 7594785.4/48

In: 35.083+/-0.006 χ^2/NDF:13069925.9/44

Out: 36.398+/-0.006 χ^2/NDF:16260000.5/51

All: 35.720+/-0.004 χ^2/NDF: 29356975.1/96

asym_at1_dd_at2_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.002+/-0.013 χ^2/NDF: 24.6/21

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: 0.017+/-0.013 χ^2/NDF: 21.4/26

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

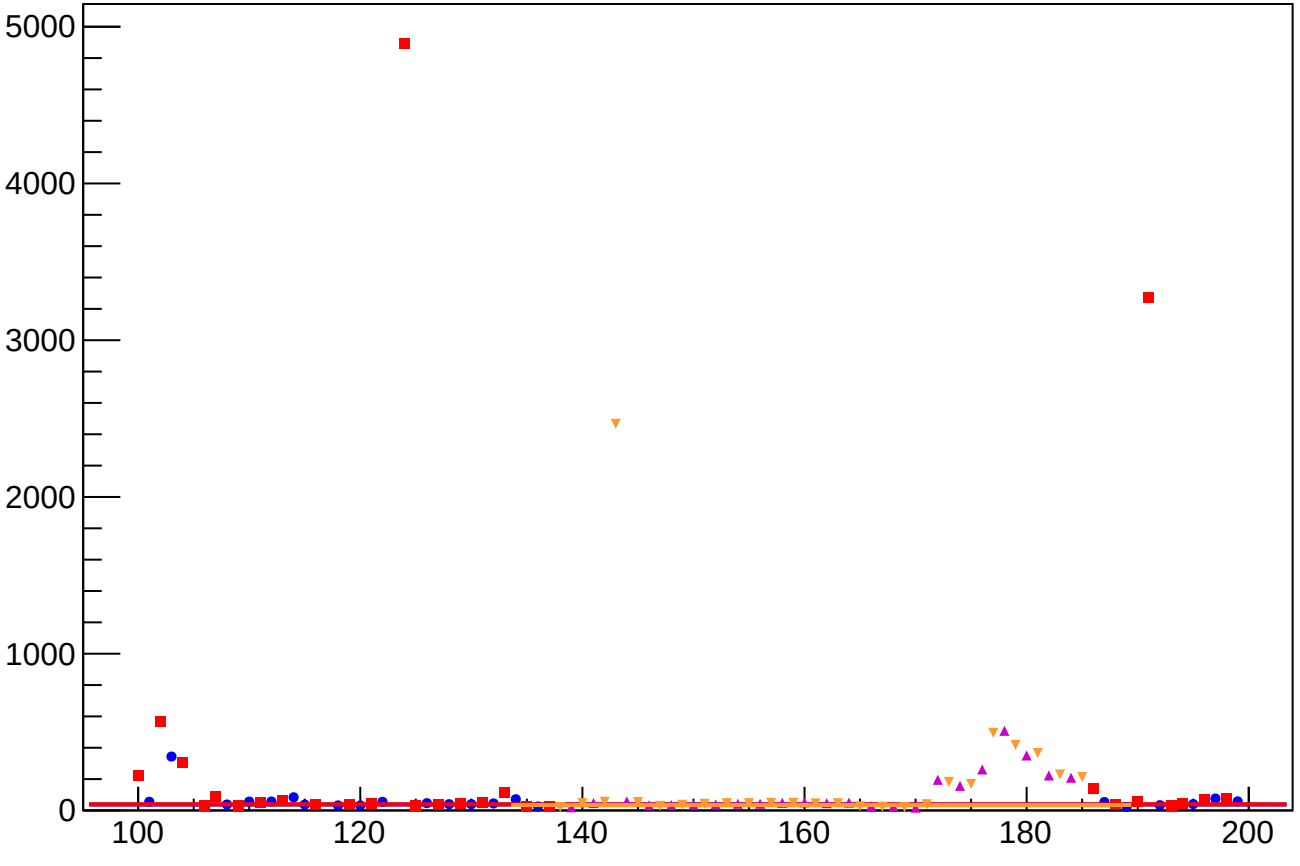
Right: 0.009+/-0.009 χ^2/NDF: 46.6/48

In: -0.005+/-0.008 χ^2/NDF:40.0/44

Out: 0.021+/-0.008 χ^2/NDF:44.4/51

All: 0.007+/-0.006 χ^2/NDF: 89.7/96

asym_at1_dd_at2_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.593+/-0.009 χ^2/NDF: 2881753.2/21

Left Out: 34.624+/-0.007 χ^2/NDF:11402451.4/24

Right Out: 39.452+/-0.009 χ^2/NDF: 4693021.8/26

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

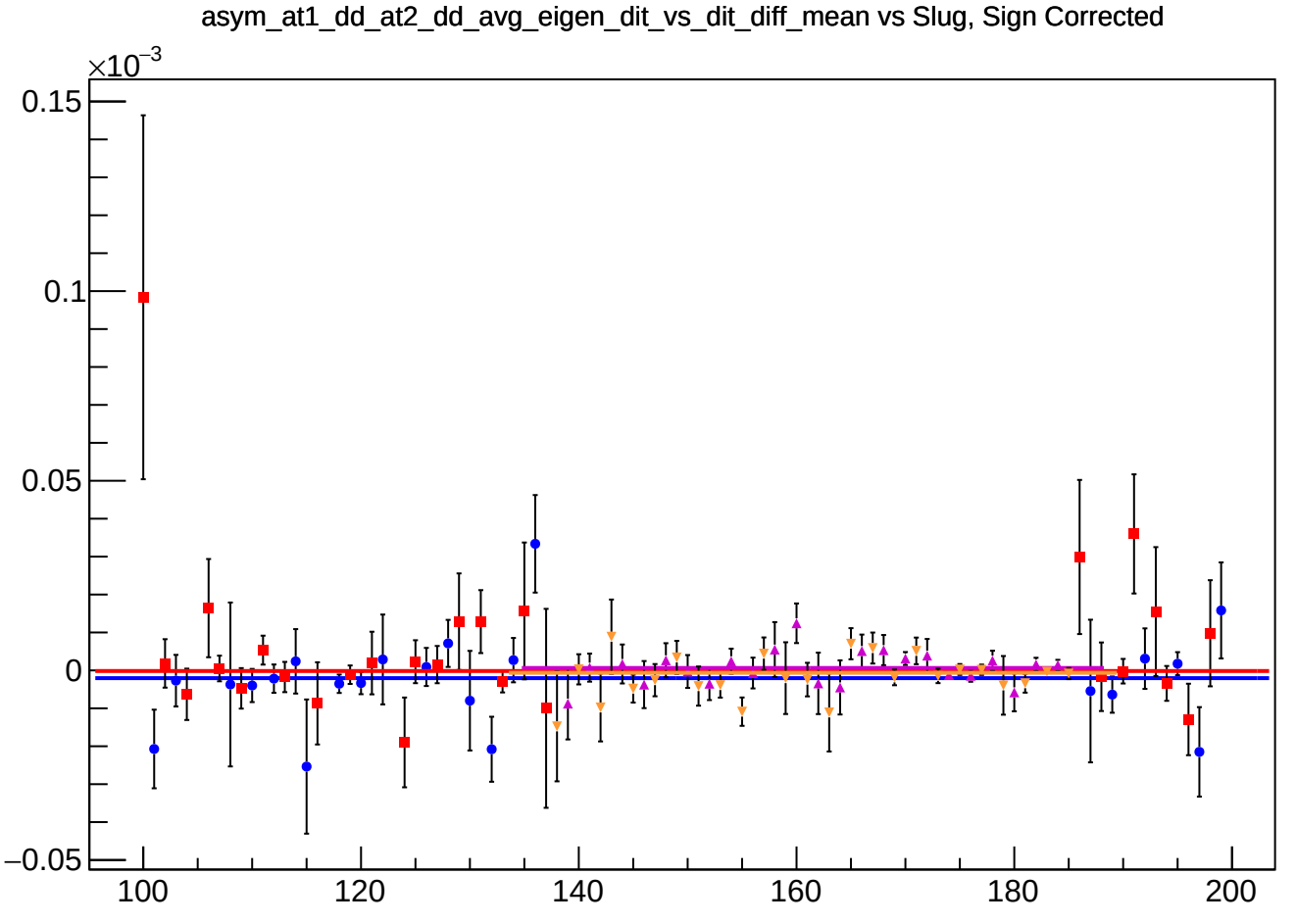
Left: 34.094+/-0.005 χ^2/NDF: 21480396.5/47

Right: 38.487+/-0.007 χ^2/NDF: 7594785.4/48

In: 35.083+/-0.006 χ^2/NDF:13069925.9/44

Out: 36.398+/-0.006 χ^2/NDF:16260000.5/51

All: 35.720+/-0.004 χ^2/NDF: 29356975.1/96



Right In: -0.000+/-0.000 χ^2/NDF: 29.5/21

Left Out: -0.000+/-0.000 χ^2/NDF:28.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 30.1/26

Left In: 0.000+/-0.000 χ^2/NDF:21.9/22

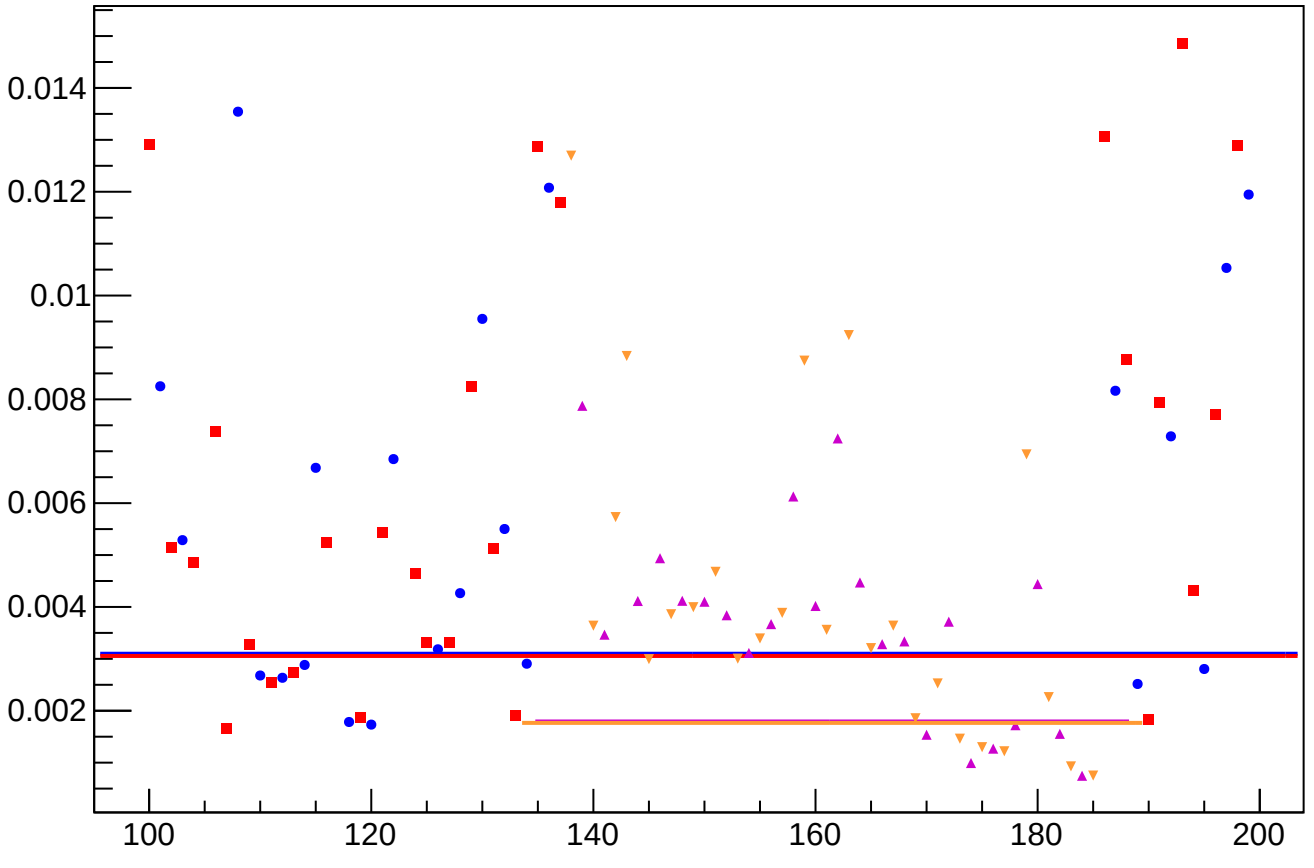
Left: -0.000+/-0.000 χ^2/NDF: 53.2/47

Right: -0.000+/-0.000 χ^2/NDF: 61.1/48

In: 0.000+/-0.000 χ^2/NDF:56.0/44

Out: -0.000+/-0.000 χ^2/NDF:58.6/51

All: -0.000+/-0.000 χ^2/NDF: 115.6/96



Right In: 0.003+/-0.000 χ^2/NDF: 6726540.3/21

Left Out: 0.002+/-0.000 χ^2/NDF:12926339.2/24

Right Out: 0.003+/-0.000 χ^2/NDF: 7780464.4/26

Left In: 0.002+/-0.000 χ^2/NDF:10766932.4/22

Left: 0.002+/-0.000 χ^2/NDF: 23695843.2/47

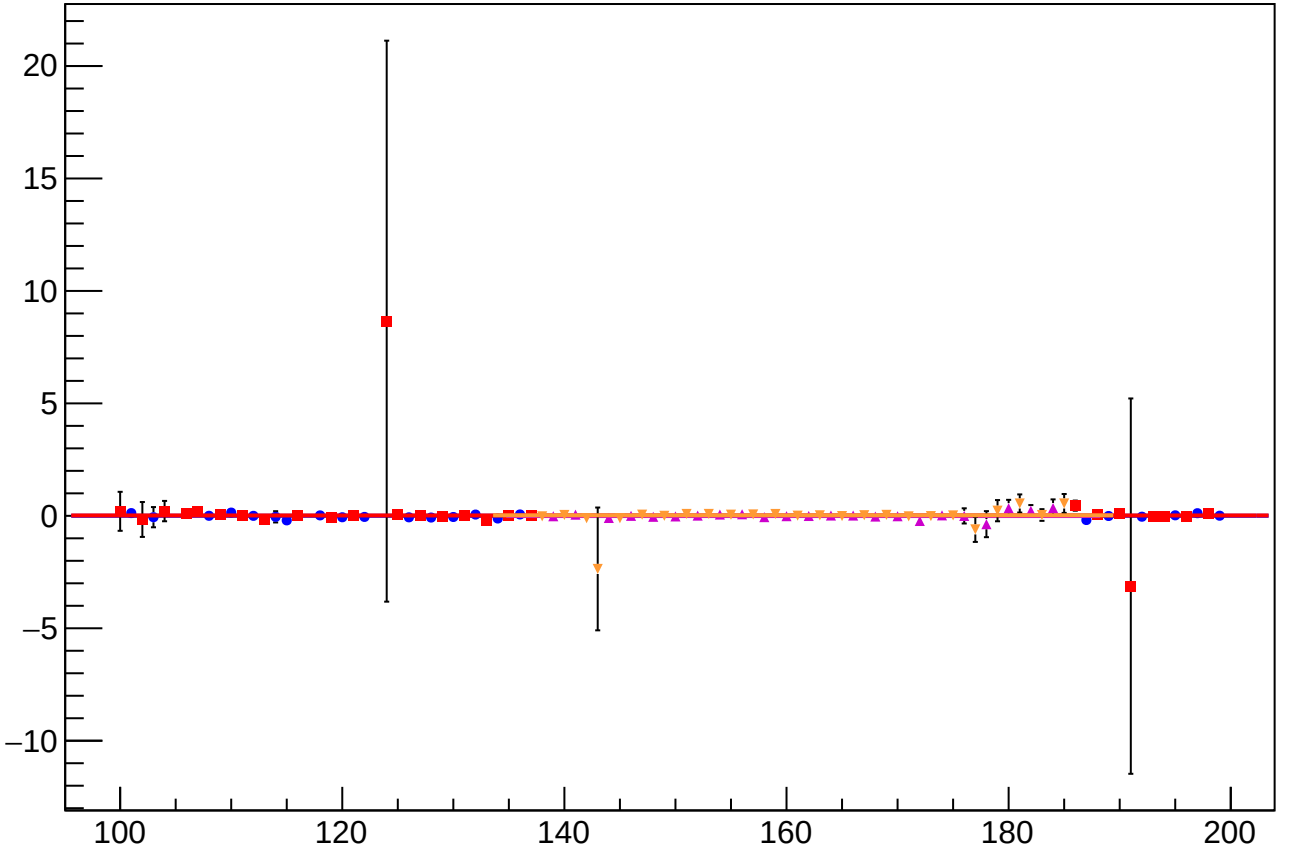
Right: 0.003+/-0.000 χ^2/NDF: 14508524.5/48

In: 0.002+/-0.000 χ^2/NDF:19630316.4/44

Out: 0.002+/-0.000 χ^2/NDF:23142575.8/51

All: 0.002+/-0.000 χ^2/NDF: 42775001.3/96

asym_at1_dd_at2_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.002+/-0.013 χ^2/NDF: 24.6/21

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: 0.017+/-0.013 χ^2/NDF: 21.4/26

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

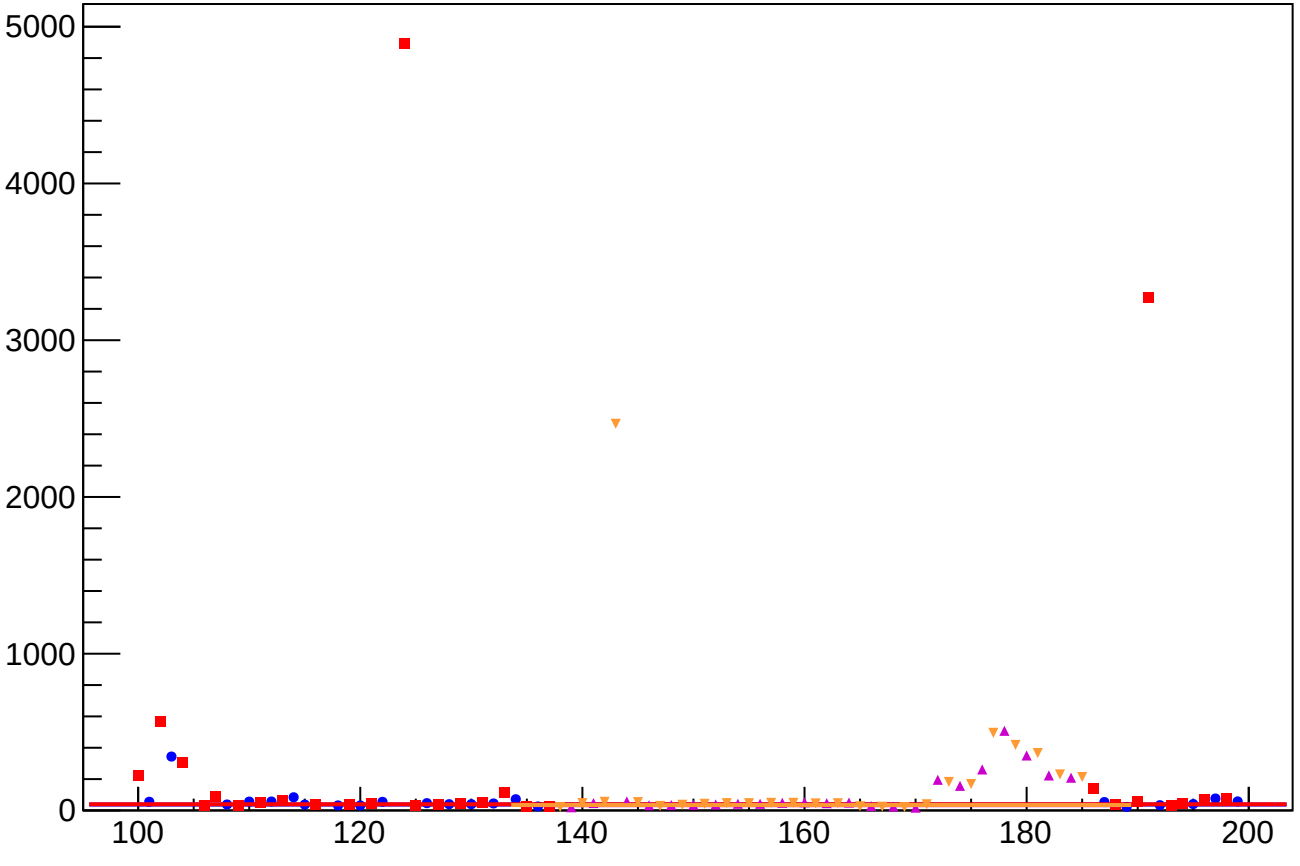
Right: 0.009+/-0.009 χ^2/NDF: 46.6/48

In: -0.005+/-0.008 χ^2/NDF:40.0/44

Out: 0.021+/-0.008 χ^2/NDF:44.4/51

All: 0.007+/-0.006 χ^2/NDF: 89.7/96

asym_at1_dd_at2_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.595+/-0.009 χ^2/NDF: 2880971.2/21

Left Out: 34.623+/-0.007 χ^2/NDF:11402566.2/24

Right Out: 39.453+/-0.009 χ^2/NDF: 4692771.9/26

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

Left: 34.095+/-0.005 χ^2/NDF: 21479175.2/47

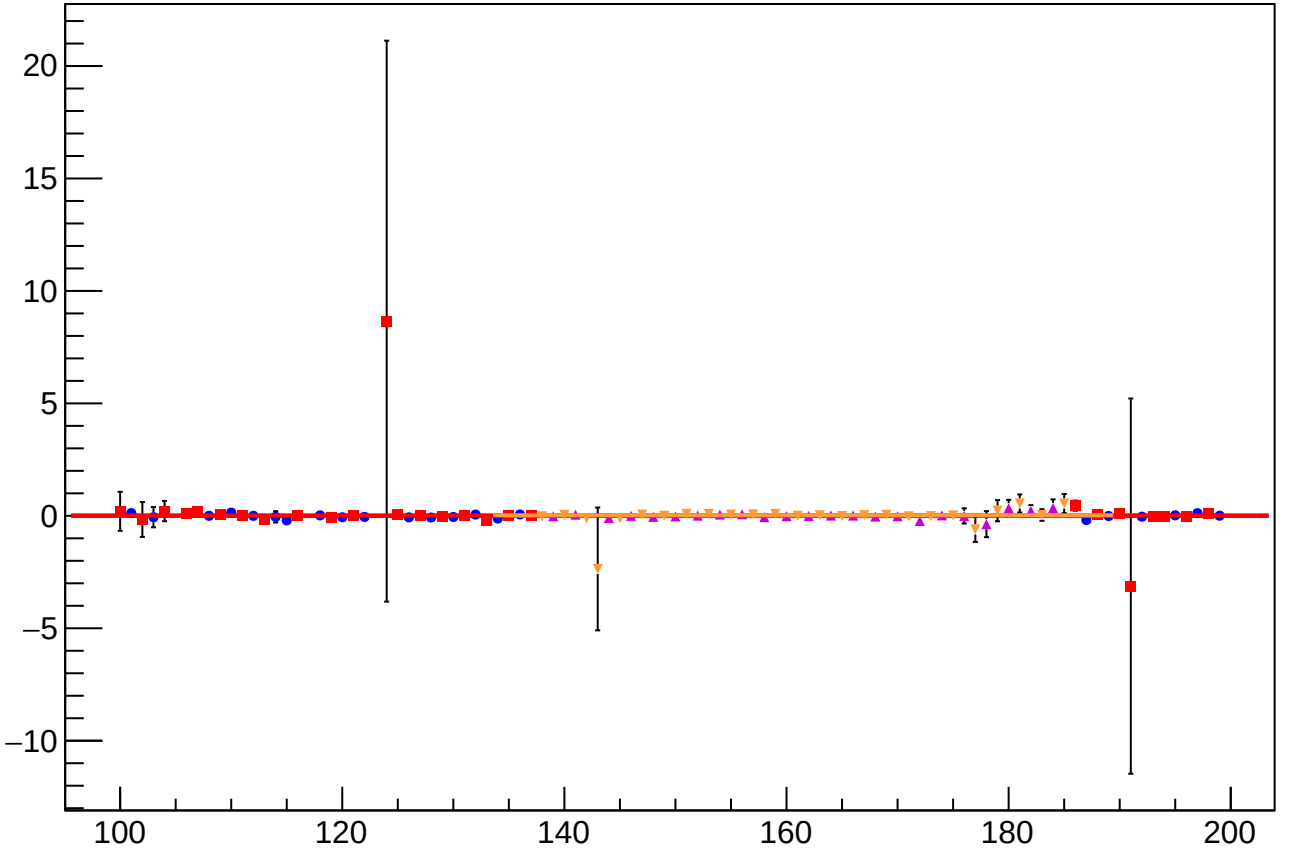
Right: 38.489+/-0.007 χ^2/NDF: 7593721.4/48

In: 35.085+/-0.006 χ^2/NDF:13067857.2/44

Out: 36.397+/-0.006 χ^2/NDF:16259977.9/51

All: 35.721+/-0.004 χ^2/NDF: 29354774.1/96

asym_at1_dd_at2_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.002+/-0.013 χ^2/NDF: 24.6/21

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: 0.017+/-0.013 χ^2/NDF: 21.4/26

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

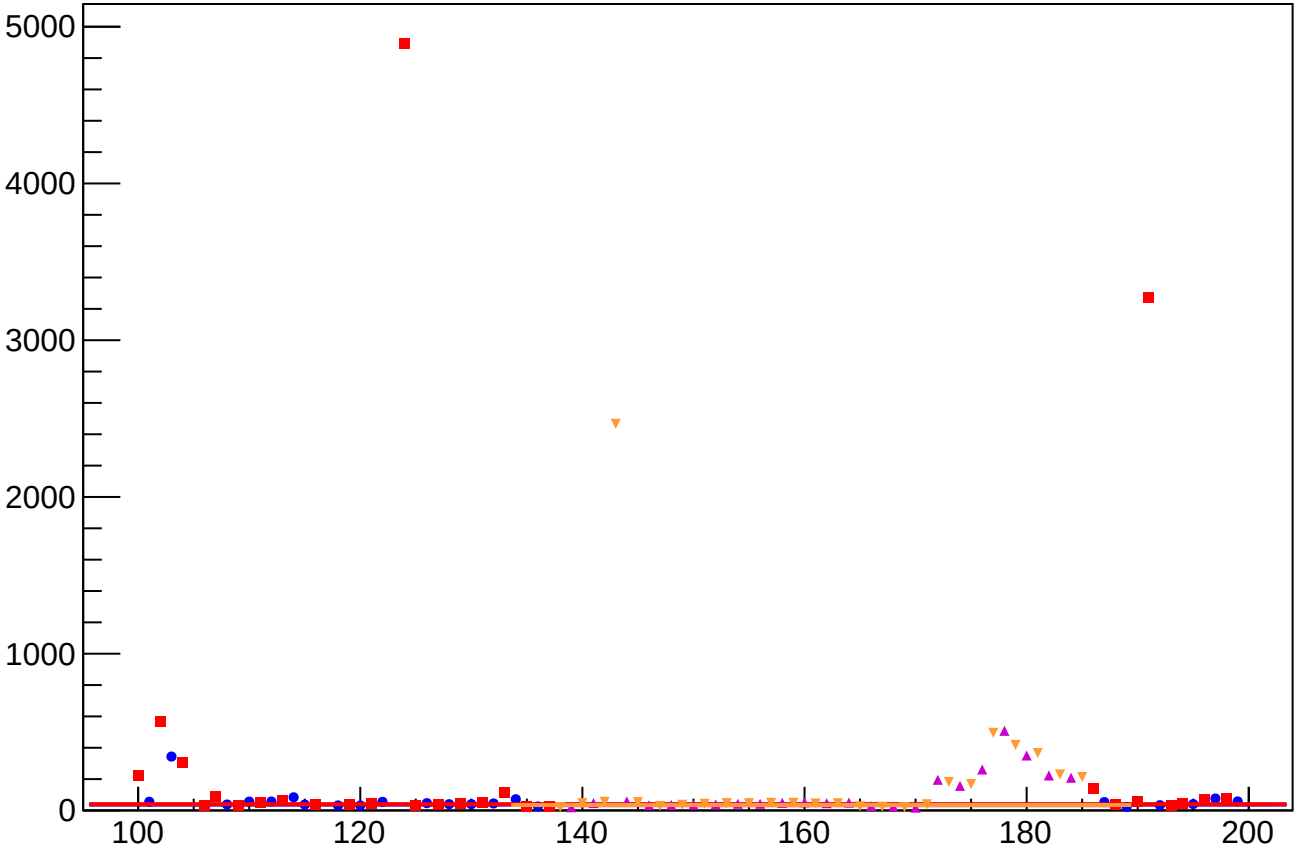
Right: 0.009+/-0.009 χ^2/NDF: 46.6/48

In: -0.005+/-0.008 χ^2/NDF:40.0/44

Out: 0.021+/-0.008 χ^2/NDF:44.4/51

All: 0.007+/-0.006 χ^2/NDF: 89.7/96

asym_at1_dd_at2_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.595+/-0.009 χ^2/NDF: 2880971.2/21

Left Out: 34.623+/-0.007 χ^2/NDF:11402566.2/24

Right Out: 39.453+/-0.009 χ^2/NDF: 4692771.9/26

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

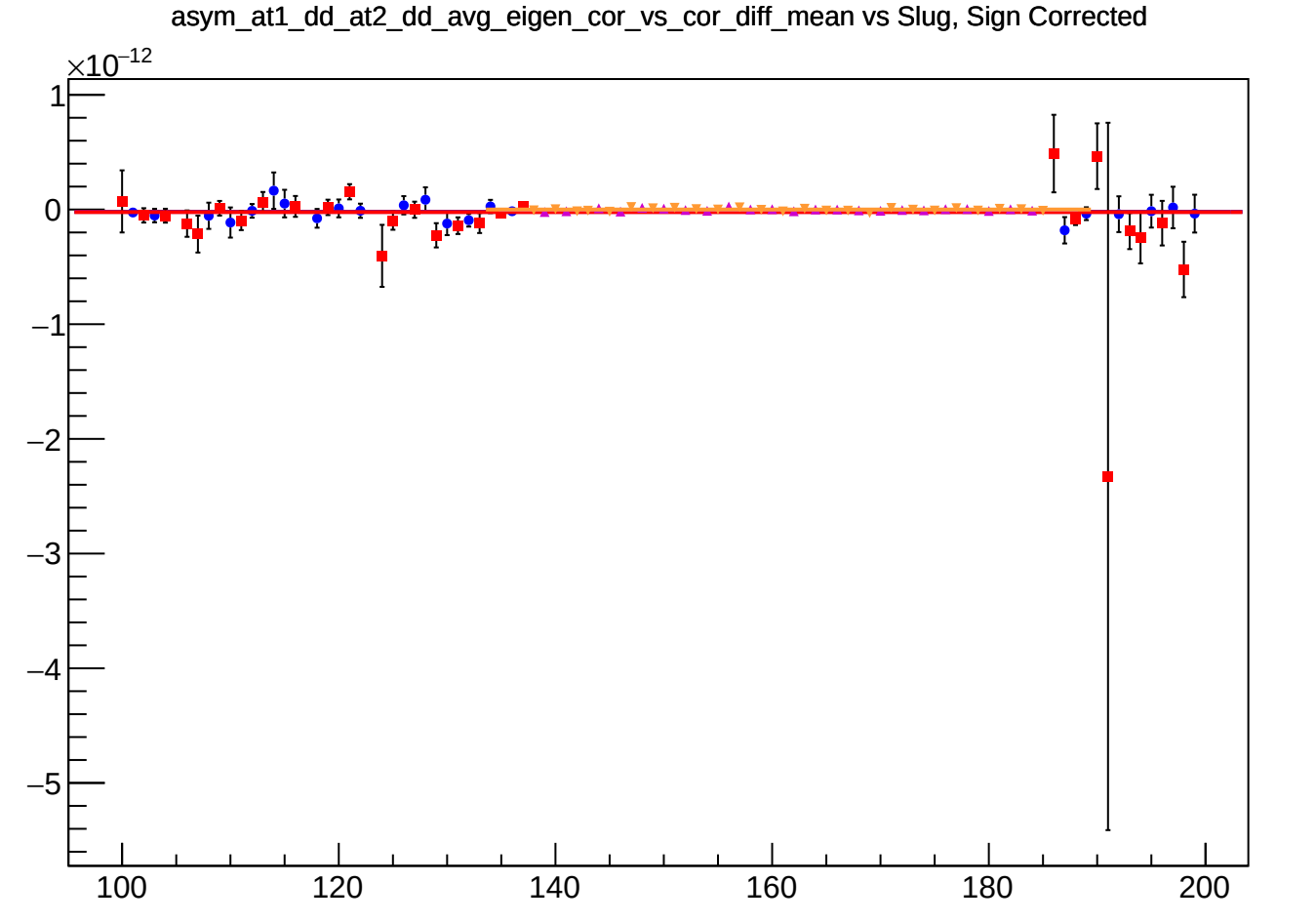
Left: 34.095+/-0.005 χ^2/NDF: 21479175.2/47

Right: 38.489+/-0.007 χ^2/NDF: 7593721.4/48

In: 35.085+/-0.006 χ^2/NDF:13067857.2/44

Out: 36.397+/-0.006 χ^2/NDF:16259977.9/51

All: 35.721+/-0.004 χ^2/NDF: 29354774.1/96



Right In: -0.000+/-0.000 χ^2/NDF: 10.5/21

Left Out: -0.000+/-0.000 χ^2/NDF:26.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 41.4/26

Left In: -0.000+/-0.000 χ^2/NDF:20.0/22

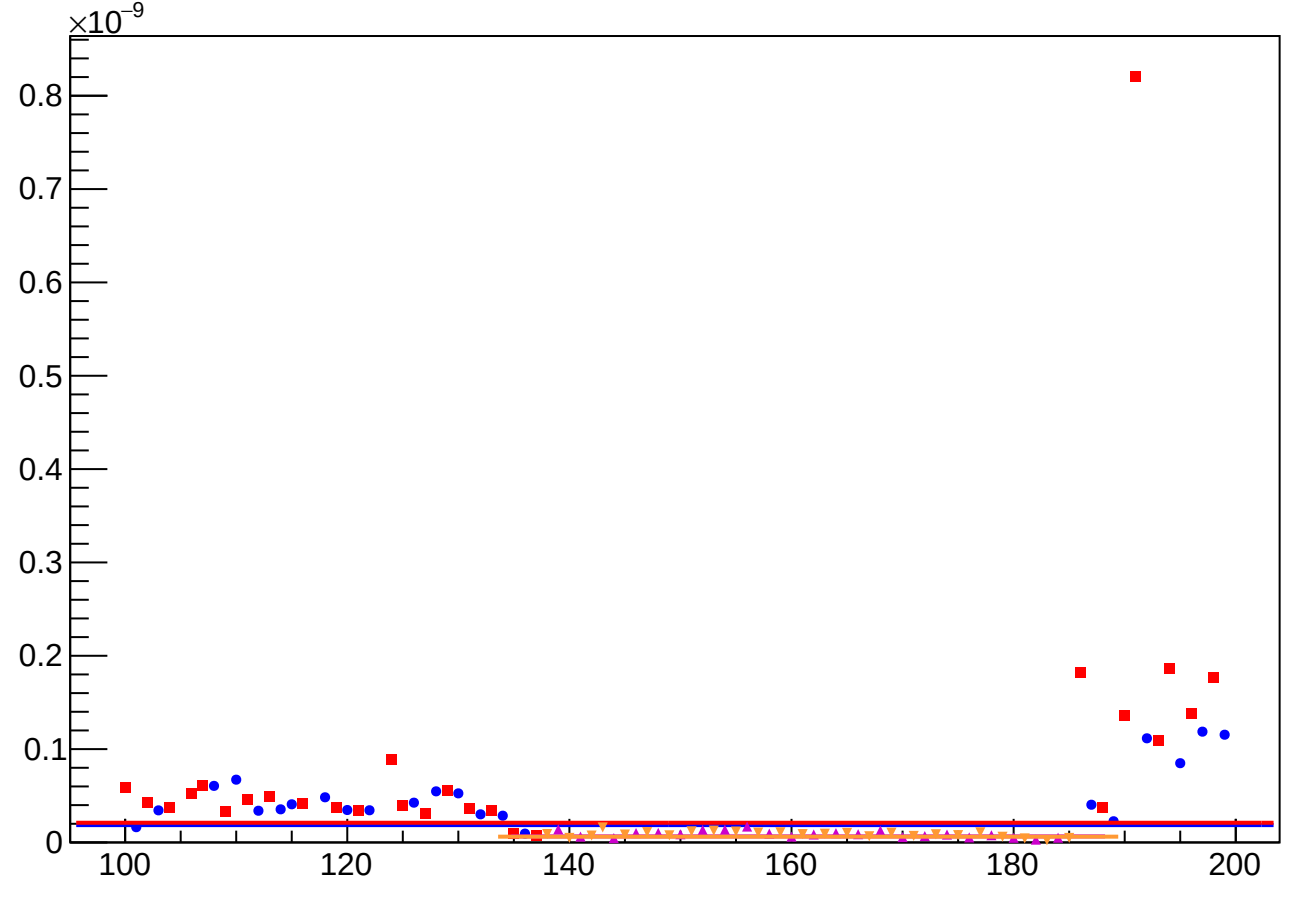
Left: -0.000+/-0.000 χ^2/NDF: 46.4/47

Right: -0.000+/-0.000 χ^2/NDF: 51.9/48

In: -0.000+/-0.000 χ^2/NDF:33.7/44

Out: -0.000+/-0.000 χ^2/NDF:71.5/51

All: -0.000+/-0.000 χ^2/NDF: 105.7/96



Right In: 0.000+/-0.000 χ^2/NDF: 5787248.6/21

Left Out: 0.000+/-0.000 χ^2/NDF:5077918.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8201798.2/26

Left In: 0.000+/-0.000 χ^2/NDF:3998320.2/22

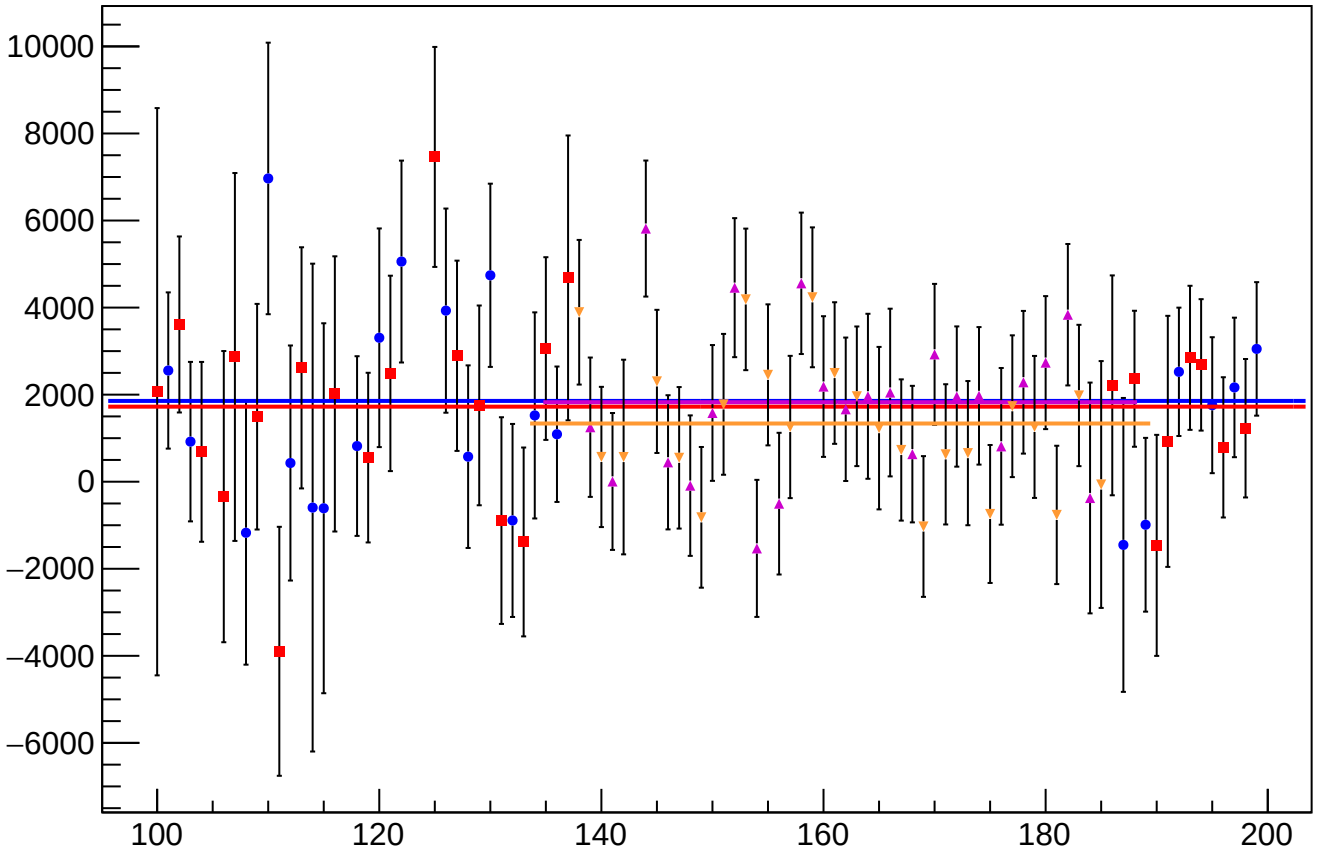
Left: 0.000+/-0.000 χ^2/NDF: 9096603.9/47

Right: 0.000+/-0.000 χ^2/NDF: 14050434.6/48

In: 0.000+/-0.000 χ^2/NDF:12780032.8/44

Out: 0.000+/-0.000 χ^2/NDF:17017478.3/51

All: 0.000+/-0.000 χ^2/NDF: 29824706.9/96



Right In: 1855.954+/-443.809 χ^2/NDF: 16.1/21

Left Out: 1337.008+/-341.012 χ^2/NDF:19.2/23

Right Out: 1724.140+/-434.208 χ^2/NDF: 19.1/25

Left In: 1826.599+/-343.483 χ^2/NDF:26.5/22

Left: 1580.036+/-242.001 χ^2/NDF: 46.7/46

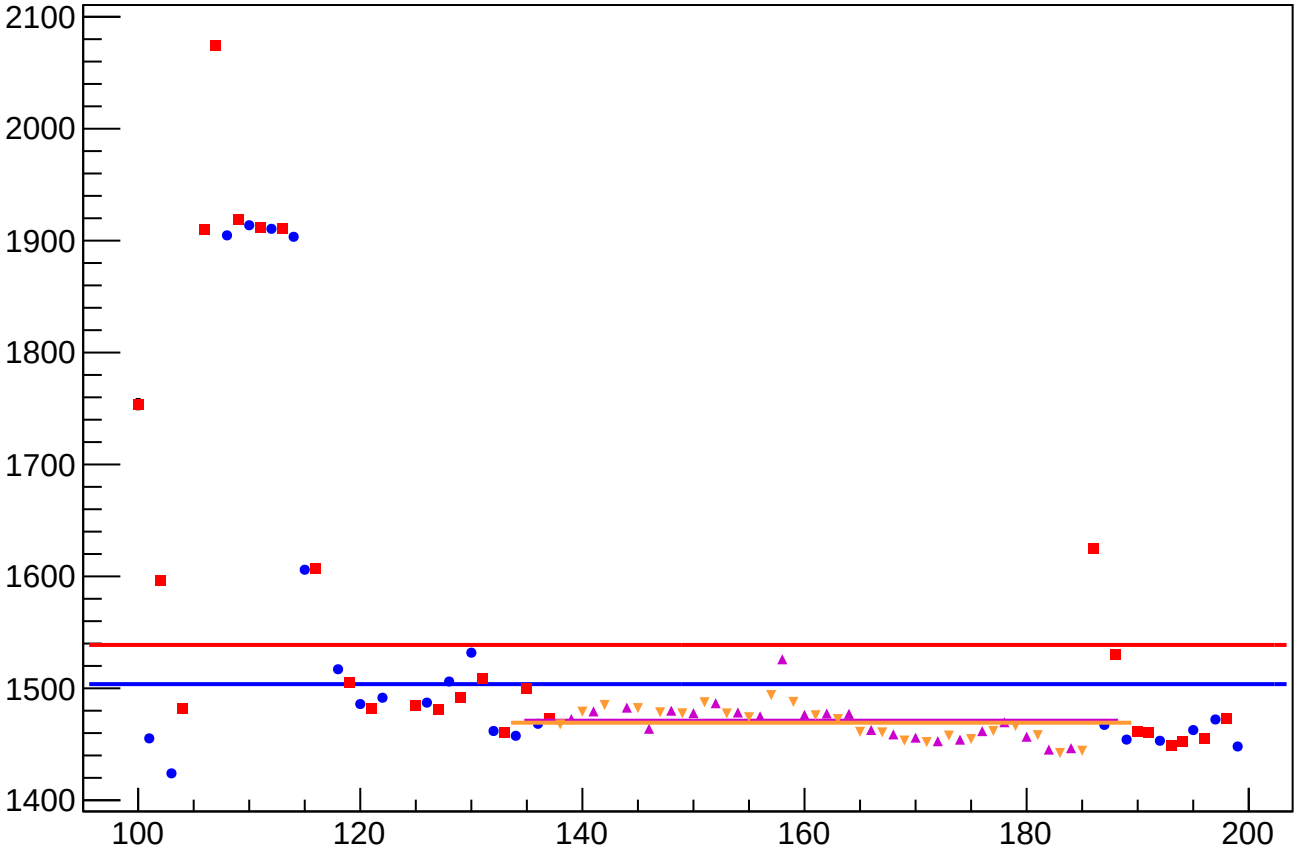
Right: 1788.606+/-310.370 χ^2/NDF: 35.2/47

In: 1837.595+/-271.633 χ^2/NDF:42.5/44

Out: 1484.697+/-268.190 χ^2/NDF:38.8/49

All: 1658.895+/-190.844 χ^2/NDF: 82.2/94

reg_asym_usl_atl1_avg_rms vs Slug, Sign Corrected



Right In: 1503.740+/-0.314 χ^2/NDF: 143396.0/21

Left Out: 1469.267+/-0.241 χ^2/NDF:3155.3/23

Right Out: 1538.759+/-0.307 χ^2/NDF: 212532.7/25

Left In: 1471.054+/-0.243 χ^2/NDF:4642.4/22

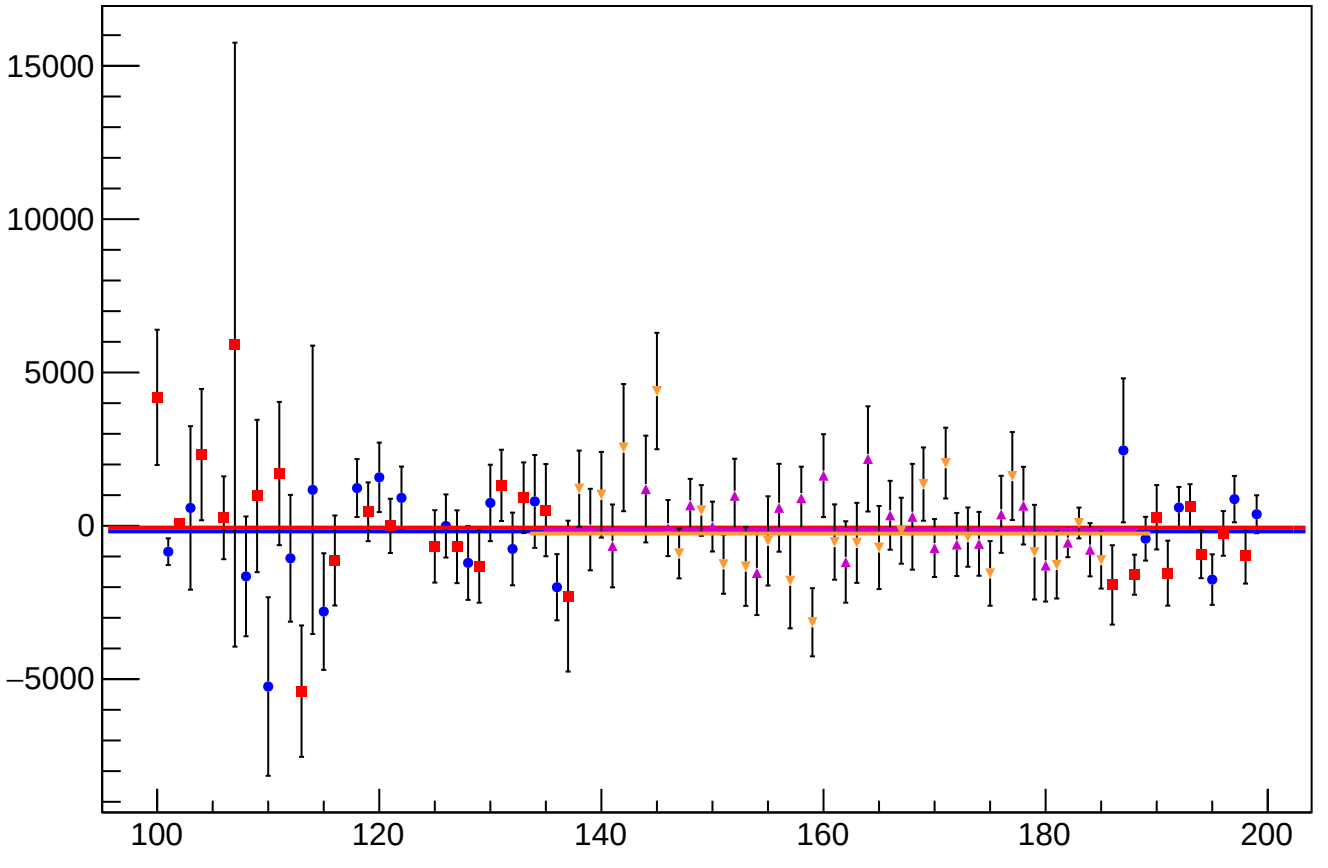
Left: 1470.154+/-0.171 χ^2/NDF: 7825.0/46

Right: 1521.632+/-0.219 χ^2/NDF: 362291.0/47

In: 1483.298+/-0.192 χ^2/NDF:154822.8/44

Out: 1495.778+/-0.190 χ^2/NDF:247372.6/49

All: 1489.617+/-0.135 χ^2/NDF: 404333.0/94



Right In: -181.186+/-205.434 χ^2/NDF: 27.9/21

Left Out: -251.610+/-218.369 χ^2/NDF:32.7/23

Right Out: -58.612+/-117.269 χ^2/NDF: 31.6/25

Left In: -119.802+/-215.975 χ^2/NDF:12.8/22

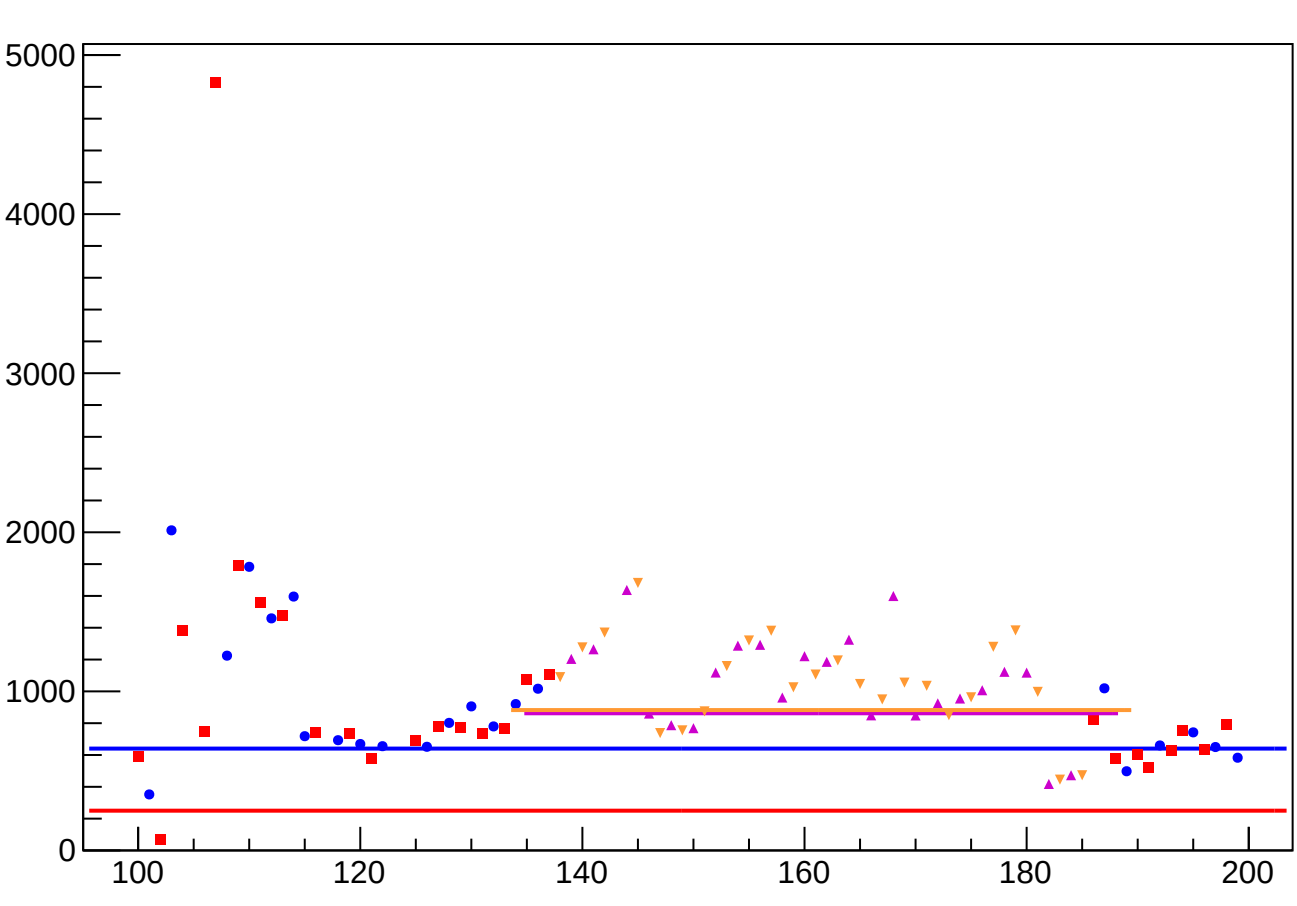
Left: -184.979+/-153.557 χ^2/NDF: 45.7/46

Right: -88.737+/-101.844 χ^2/NDF: 59.7/47

In: -152.029+/-148.851 χ^2/NDF:40.7/44

Out: -101.813+/-103.314 χ^2/NDF:64.9/49

All: -118.139+/-84.874 χ^2/NDF: 105.7/94



Right In: 640.360+/-0.145 χ^2/NDF: 2947686.1/21

Left Out: 882.430+/-0.154 χ^2/NDF:3901279.8/23

Right Out: 250.066+/-0.083 χ^2/NDF: 14362617.2/25

Left In: 862.298+/-0.153 χ^2/NDF:4369416.2/22

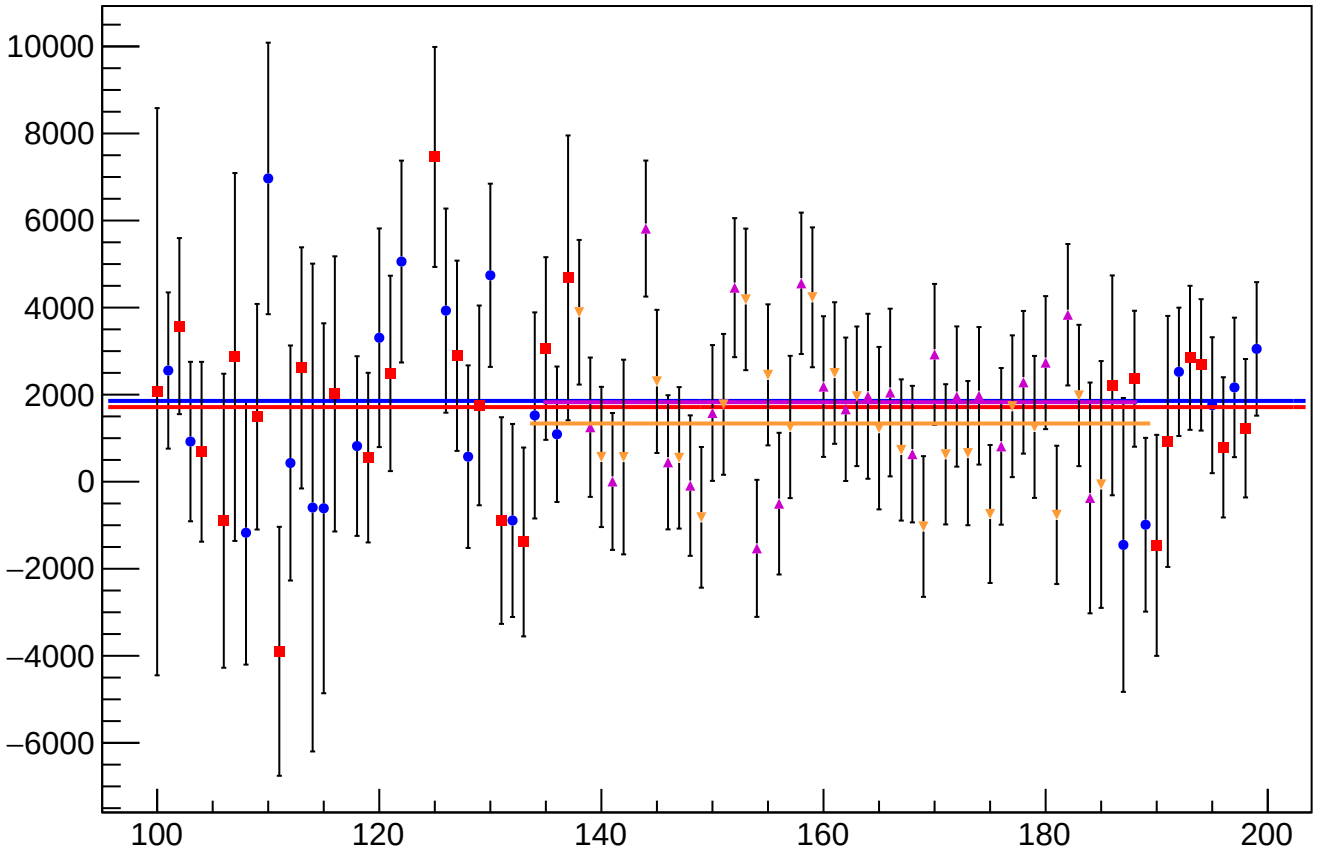
Left: 872.253+/-0.109 χ^2/NDF: 8279289.7/46

Right: 345.988+/-0.072 χ^2/NDF: 22754978.1/47

In: 745.781+/-0.105 χ^2/NDF:8425875.4/44

Out: 391.614+/-0.073 χ^2/NDF:31281550.9/49

All: 506.761+/-0.060 χ^2/NDF: 47348757.4/94



Right In: 1856.045+/-443.809 χ^2/NDF: 16.1/21

Left Out: 1337.018+/-341.012 χ^2/NDF:19.2/23

Right Out: 1713.876+/-434.281 χ^2/NDF: 19.3/25

Left In: 1826.644+/-343.483 χ^2/NDF:26.5/22

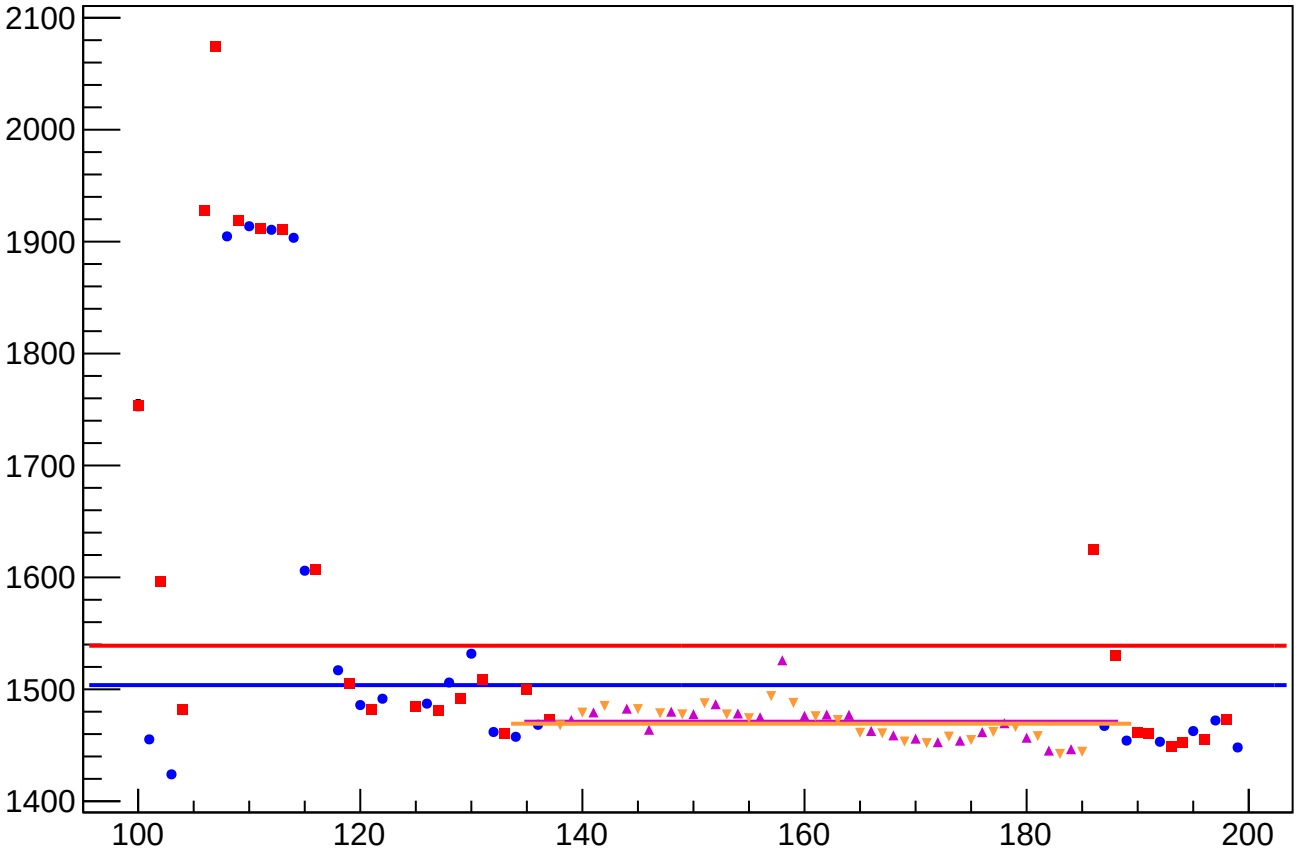
Left: 1580.064+/-242.001 χ^2/NDF: 46.7/46

Right: 1783.418+/-310.397 χ^2/NDF: 35.4/47

In: 1837.658+/-271.633 χ^2/NDF:42.5/44

Out: 1480.758+/-268.207 χ^2/NDF:39.0/49

All: 1656.943+/-190.851 χ^2/NDF: 82.4/94



Right In: 1503.740+/-0.314 χ^2/NDF: 143396.0/21

Left Out: 1469.267+/-0.241 χ^2/NDF:3155.3/23

Right Out: 1538.951+/-0.307 χ^2/NDF: 214519.0/25

Left In: 1471.054+/-0.243 χ^2/NDF:4642.4/22

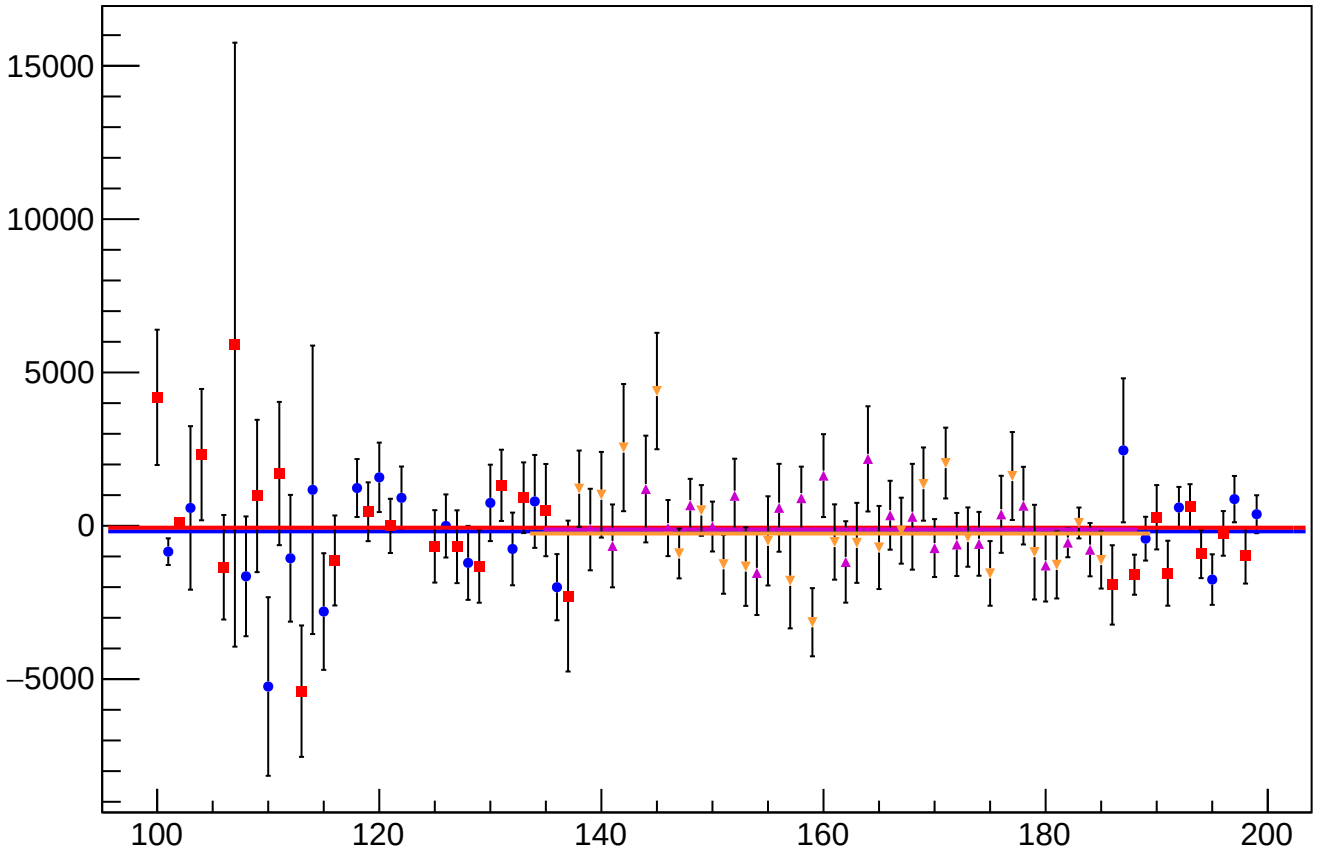
Left: 1470.154+/-0.171 χ^2/NDF: 7825.0/46

Right: 1521.727+/-0.219 χ^2/NDF: 364346.4/47

In: 1483.298+/-0.192 χ^2/NDF:154822.8/44

Out: 1495.846+/-0.190 χ^2/NDF:249528.1/49

All: 1489.651+/-0.135 χ^2/NDF: 406511.7/94



Right In: -181.076+/-205.434 χ^2/NDF: 27.9/21

Left Out: -251.589+/-218.368 χ^2/NDF:32.7/23

Right Out: -61.435+/-125.196 χ^2/NDF: 32.4/25

Left In: -119.845+/-215.975 χ^2/NDF:12.8/22

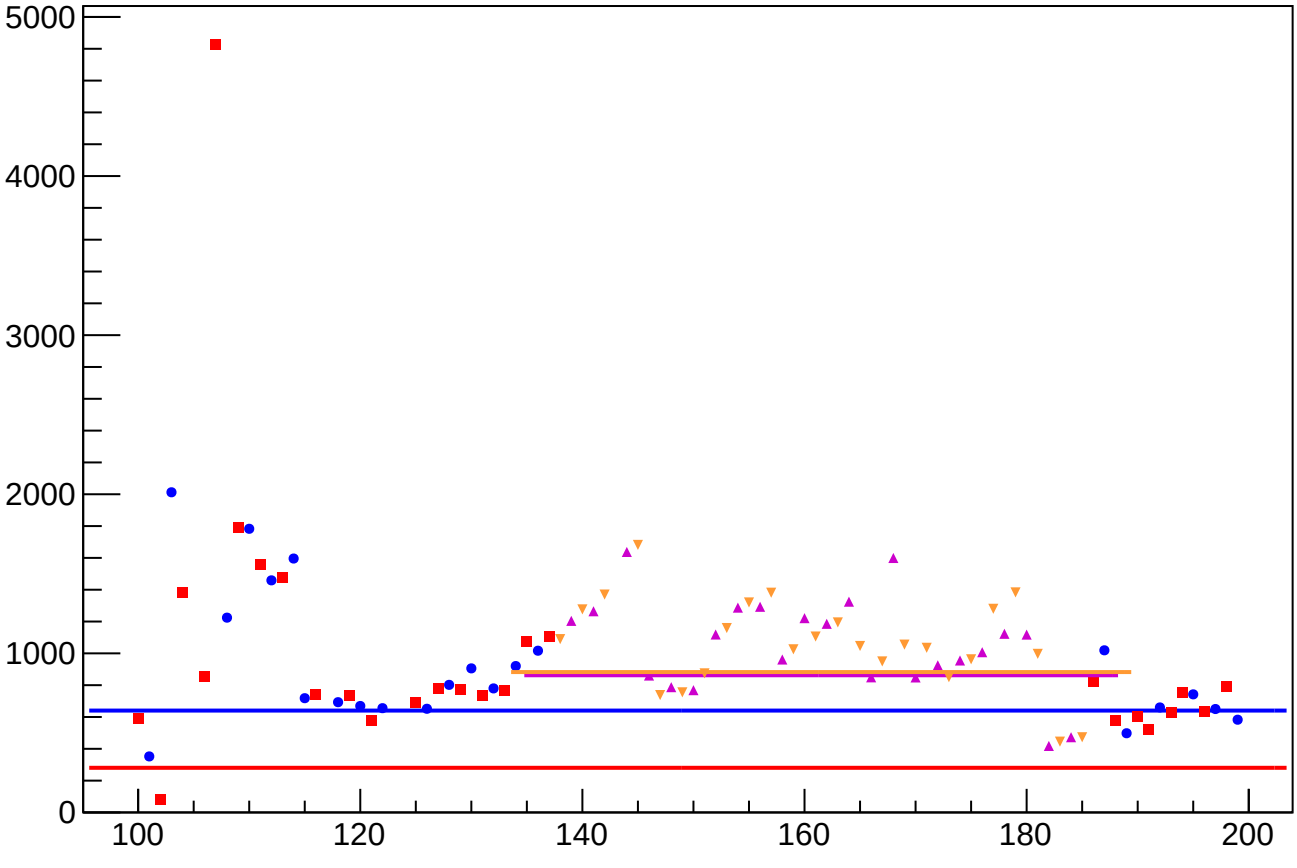
Left: -184.992+/-153.556 χ^2/NDF: 45.7/46

Right: -93.836+/-106.908 χ^2/NDF: 60.5/47

In: -151.991+/-148.851 χ^2/NDF:40.7/44

Out: -108.477+/-108.612 χ^2/NDF:65.6/49

All: -123.595+/-87.738 χ^2/NDF: 106.4/94



Right In: 640.358+/-0.145 χ^2/NDF: 2947734.8/21

Left Out: 882.419+/-0.154 χ^2/NDF:3901620.8/23

Right Out: 280.650+/-0.089 χ^2/NDF: 13343608.3/25

Left In: 862.300+/-0.153 χ^2/NDF:4369426.7/22

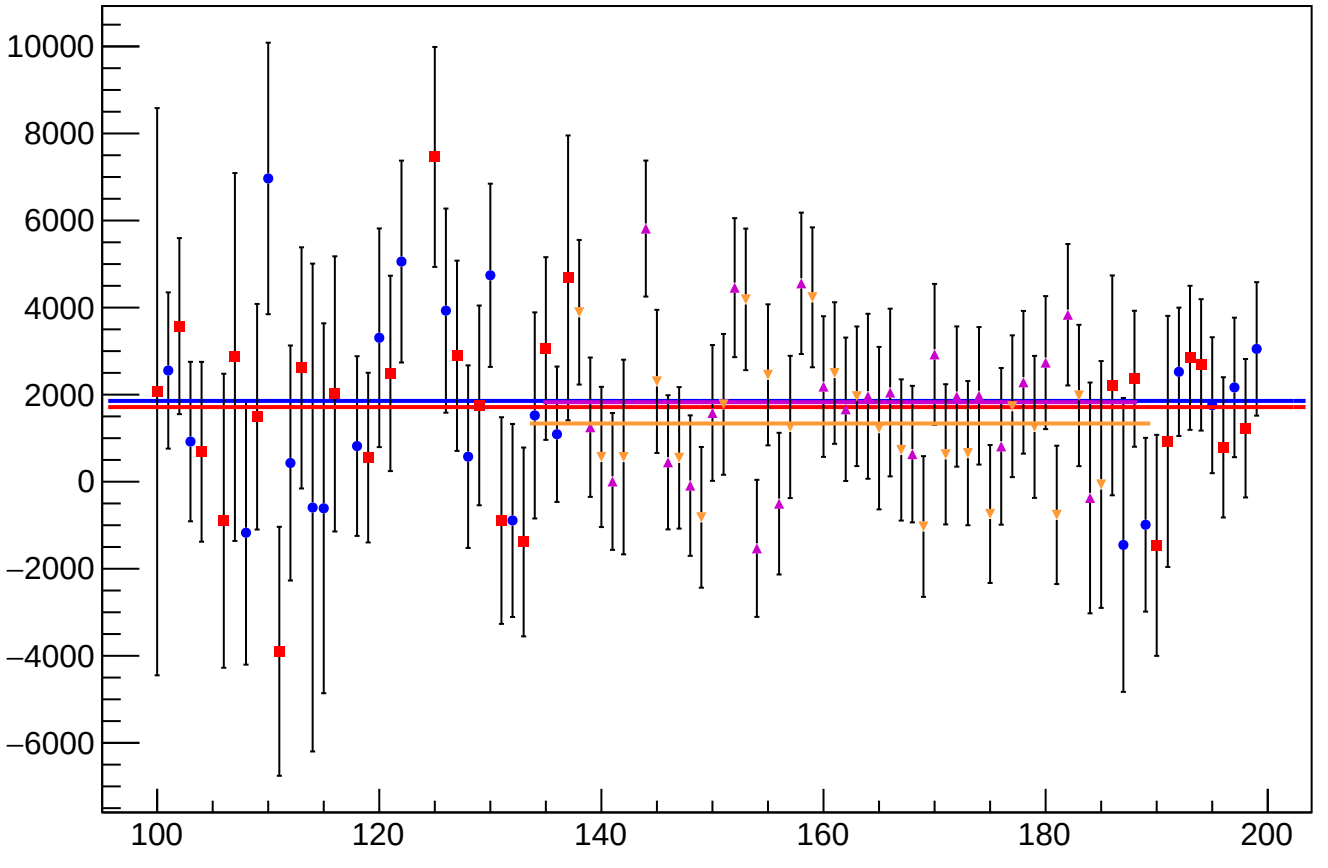
Left: 872.249+/-0.109 χ^2/NDF: 8279630.1/46

Right: 378.064+/-0.076 χ^2/NDF: 20762533.4/47

In: 745.781+/-0.105 χ^2/NDF:8425970.6/44

Out: 429.520+/-0.077 χ^2/NDF:28676254.7/49

All: 539.400+/-0.062 χ^2/NDF: 42993946.3/94



Right In: 1856.045+/-443.809 χ^2/NDF: 16.1/21

Left Out: 1337.018+/-341.012 χ^2/NDF:19.2/23

Right Out: 1713.876+/-434.281 χ^2/NDF: 19.3/25

Left In: 1826.644+/-343.483 χ^2/NDF:26.5/22

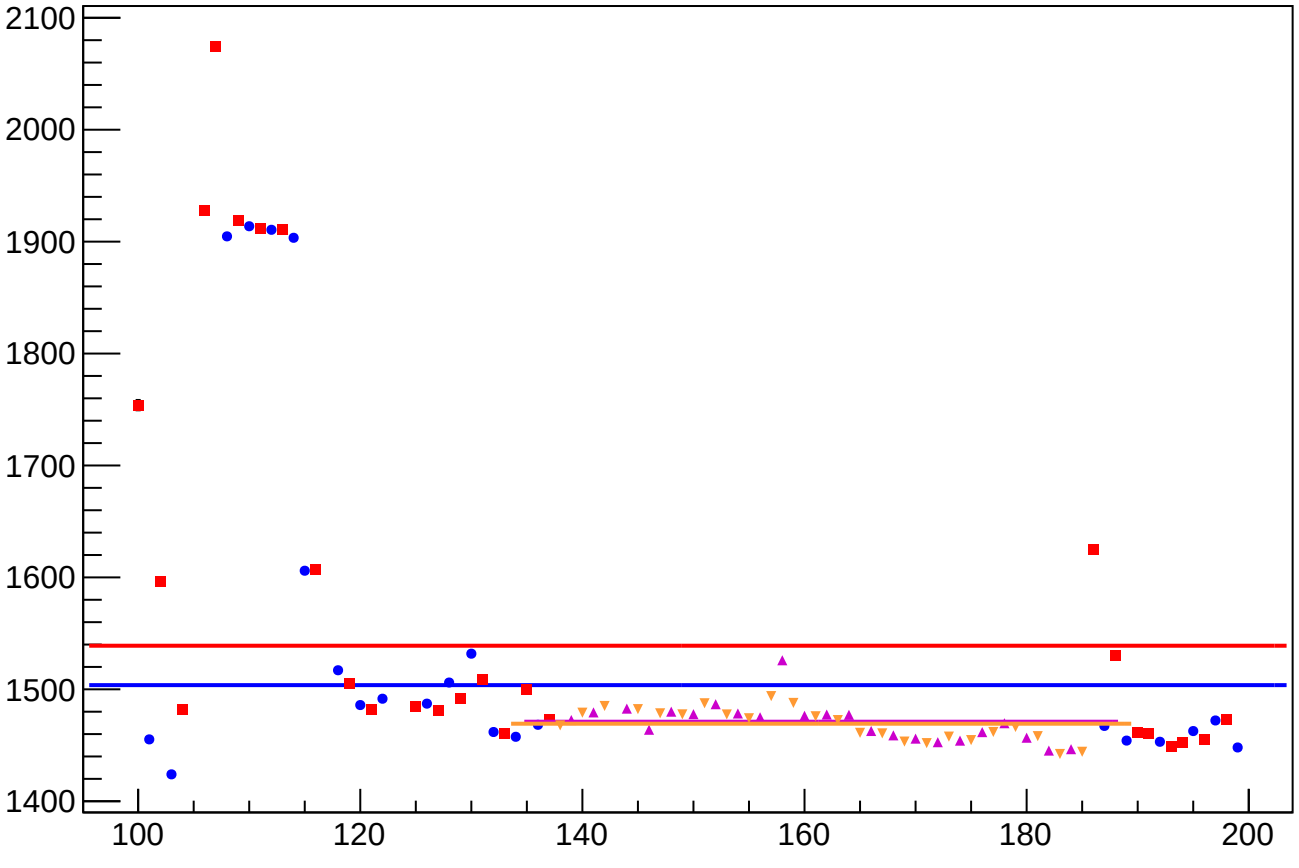
Left: 1580.064+/-242.001 χ^2/NDF: 46.7/46

Right: 1783.418+/-310.397 χ^2/NDF: 35.4/47

In: 1837.658+/-271.633 χ^2/NDF:42.5/44

Out: 1480.758+/-268.207 χ^2/NDF:39.0/49

All: 1656.943+/-190.851 χ^2/NDF: 82.4/94



Right In: 1503.740+/-0.314 χ^2/NDF: 143396.0/21

Left Out: 1469.267+/-0.241 χ^2/NDF:3155.3/23

Right Out: 1538.951+/-0.307 χ^2/NDF: 214519.0/25

Left In: 1471.054+/-0.243 χ^2/NDF:4642.4/22

Left: 1470.154+/-0.171 χ^2/NDF: 7825.0/46

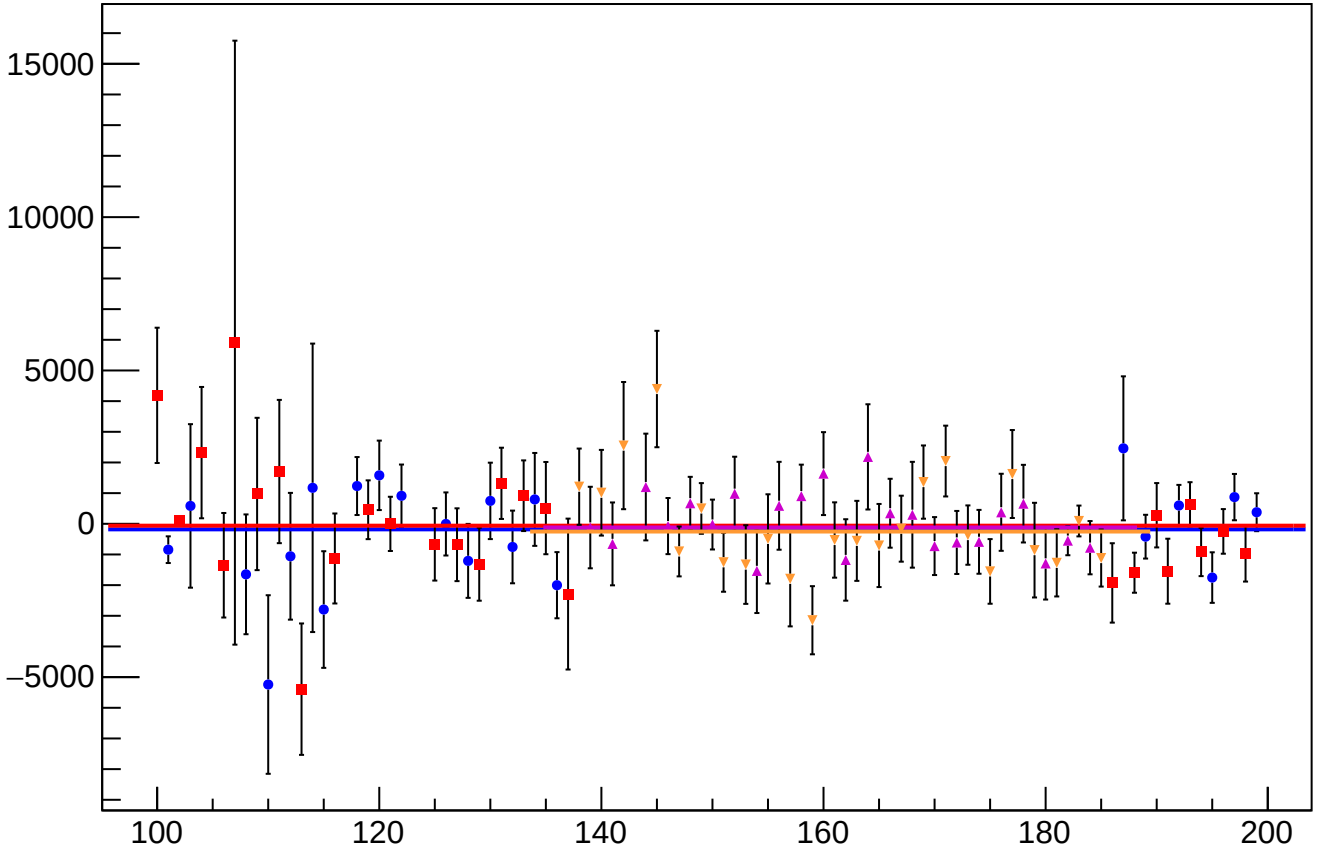
Right: 1521.727+/-0.219 χ^2/NDF: 364346.4/47

In: 1483.298+/-0.192 χ^2/NDF:154822.8/44

Out: 1495.846+/-0.190 χ^2/NDF:249528.1/49

All: 1489.651+/-0.135 χ^2/NDF: 406511.7/94

asym_usl_atl1_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -181.076+/-205.434 χ^2/NDF: 27.9/21

Left Out: -251.589+/-218.368 χ^2/NDF:32.7/23

Right Out: -61.435+/-125.196 χ^2/NDF: 32.4/25

Left In: -119.845+/-215.975 χ^2/NDF:12.8/22

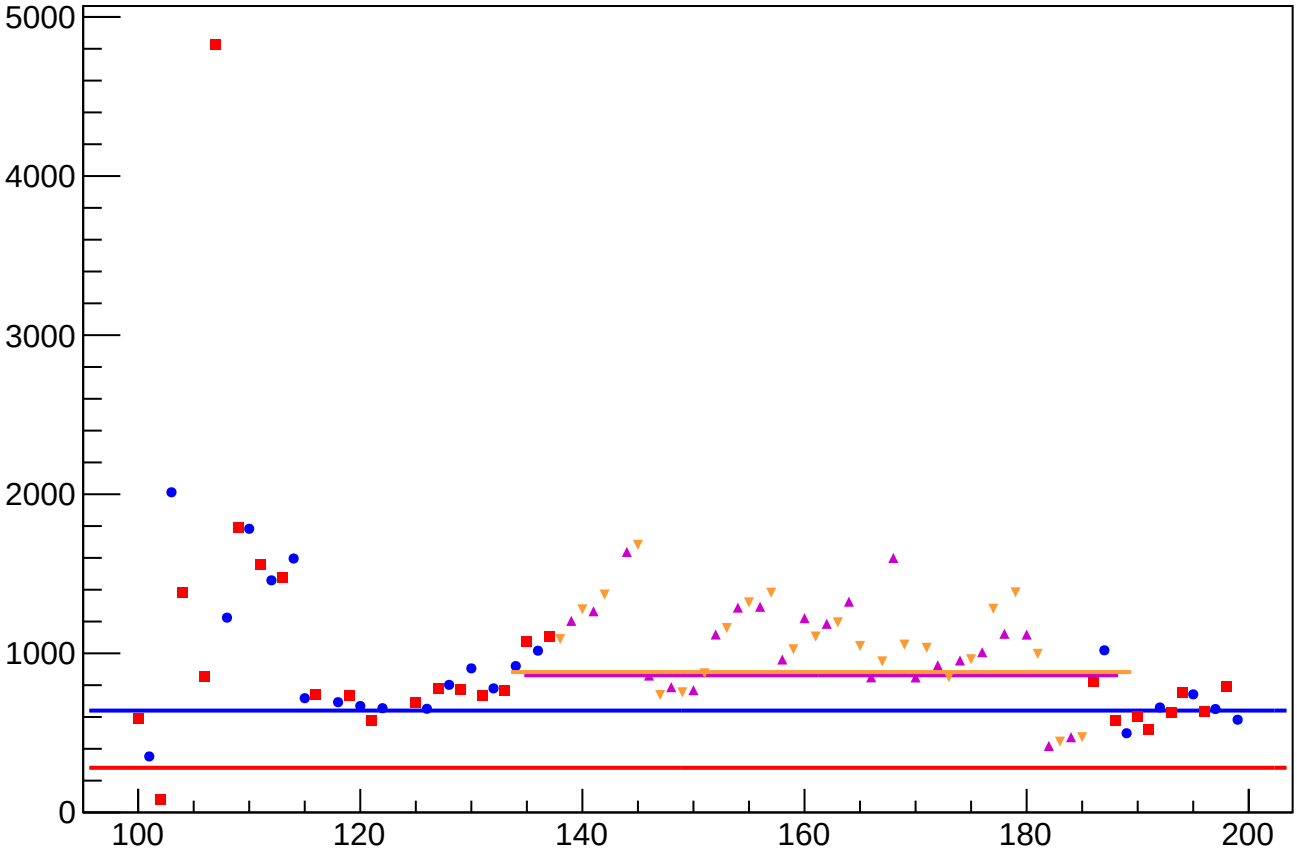
Left: -184.992+/-153.556 χ^2/NDF: 45.7/46

Right: -93.836+/-106.908 χ^2/NDF: 60.5/47

In: -151.991+/-148.851 χ^2/NDF:40.7/44

Out: -108.477+/-108.612 χ^2/NDF:65.6/49

All: -123.595+/-87.738 χ^2/NDF: 106.4/94



Right In: 640.358+/-0.145 χ^2/NDF: 2947734.8/21

Left Out: 882.419+/-0.154 χ^2/NDF:3901620.8/23

Right Out: 280.650+/-0.089 χ^2/NDF: 13343608.3/25

Left In: 862.300+/-0.153 χ^2/NDF:4369426.7/22

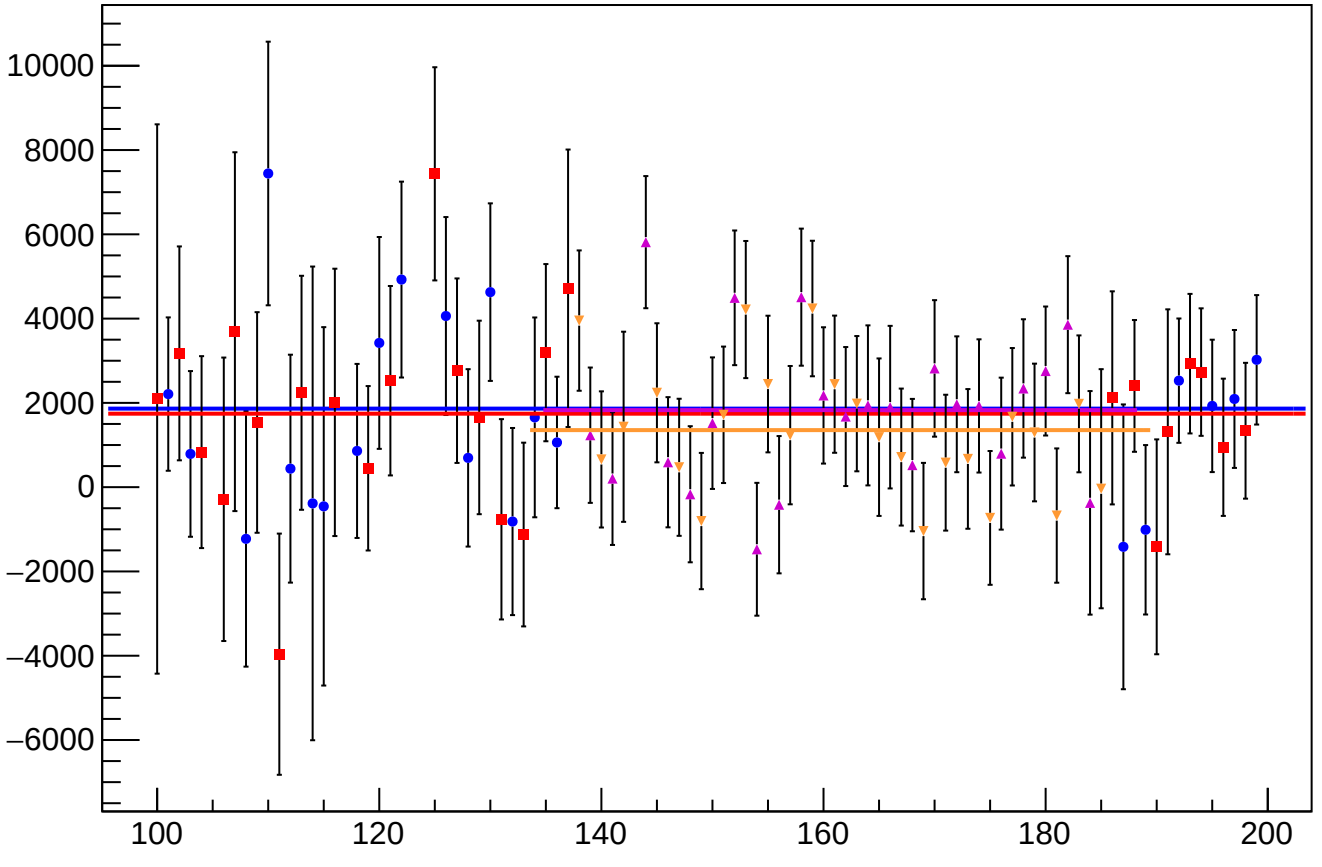
Left: 872.249+/-0.109 χ^2/NDF: 8279630.1/46

Right: 378.064+/-0.076 χ^2/NDF: 20762533.4/47

In: 745.781+/-0.105 χ^2/NDF:8425970.6/44

Out: 429.520+/-0.077 χ^2/NDF:28676254.7/49

All: 539.400+/-0.062 χ^2/NDF: 42993946.3/94



Right In: 1863.762+/-447.479 χ^2/NDF: 16.1/21

Left Out: 1353.686+/-341.570 χ^2/NDF:18.9/23

Right Out: 1743.737+/-441.294 χ^2/NDF: 18.1/25

Left In: 1828.250+/-343.952 χ^2/NDF:25.8/22

Left: 1589.318+/-242.364 χ^2/NDF: 45.7/46

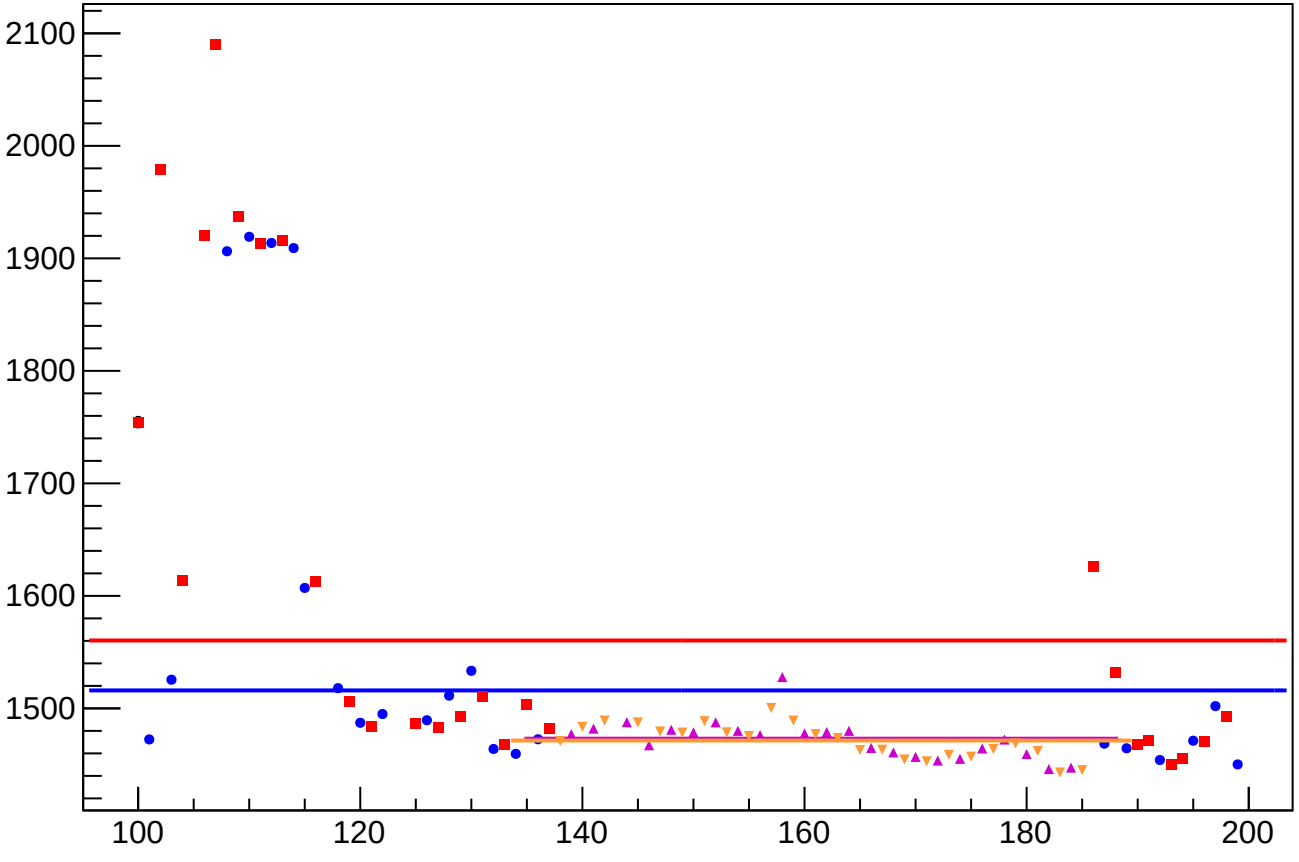
Right: 1802.914+/-314.206 χ^2/NDF: 34.2/47

In: 1841.439+/-272.702 χ^2/NDF:41.9/44

Out: 1499.818+/-270.110 χ^2/NDF:37.5/49

All: 1668.997+/-191.907 χ^2/NDF: 80.2/94

dit_asym_usl_atl1_avg_rms vs Slug, Sign Corrected



Right In: 1515.973+/-0.316 χ^2/NDF: 136774.1/21

Left Out: 1471.437+/-0.242 χ^2/NDF:3436.8/23

Right Out: 1560.353+/-0.312 χ^2/NDF: 267846.0/25

Left In: 1473.049+/-0.243 χ^2/NDF:4751.3/22

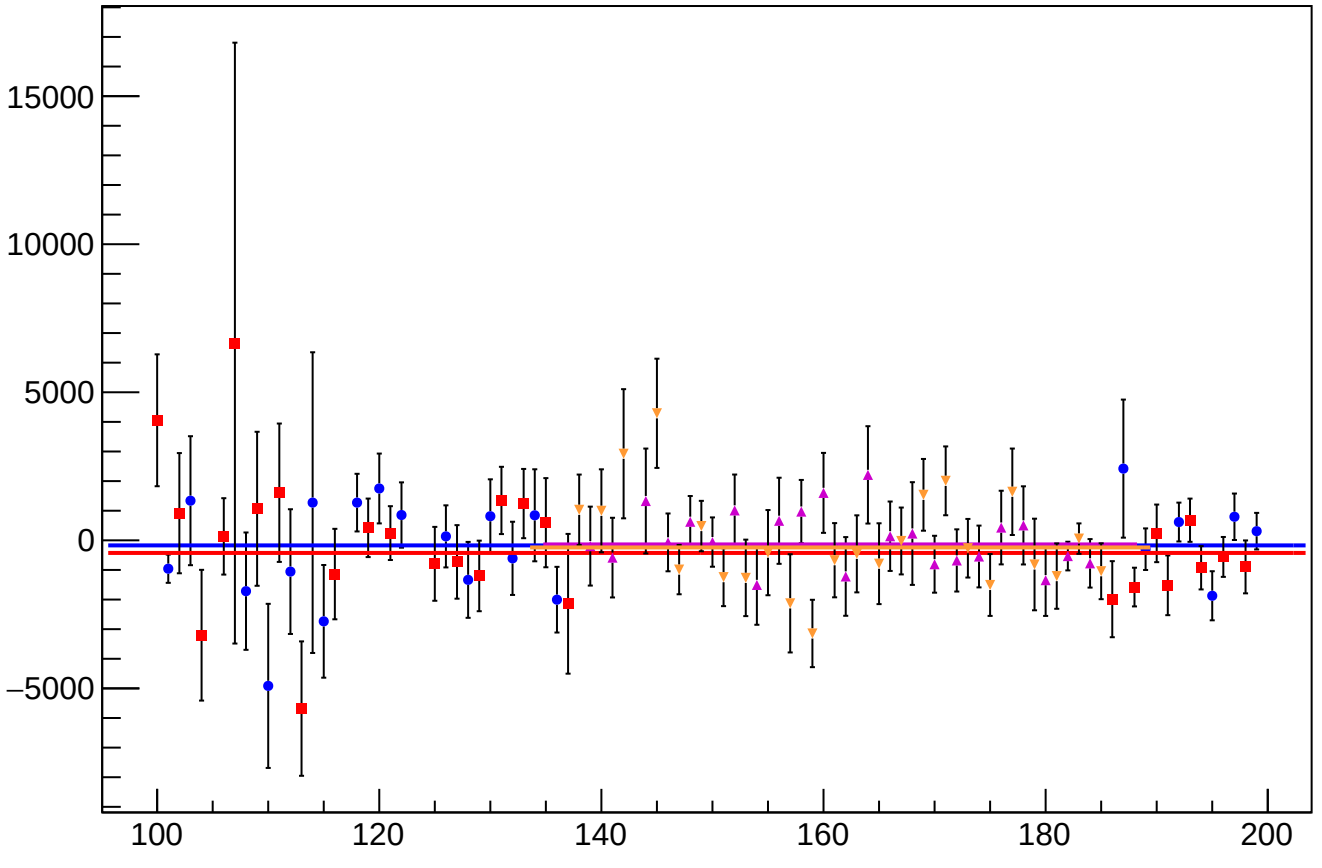
Left: 1472.237+/-0.171 χ^2/NDF: 8210.2/46

Right: 1538.471+/-0.222 χ^2/NDF: 414593.3/47

In: 1488.990+/-0.193 χ^2/NDF:153093.5/44

Out: 1504.749+/-0.191 χ^2/NDF:322058.7/49

All: 1496.945+/-0.136 χ^2/NDF: 478523.5/94



Right In: -171.050+/-211.203 χ^2/NDF: 28.4/21

Left Out: -240.267+/-221.787 χ^2/NDF:32.4/23

Right Out: -425.717+/-219.481 χ^2/NDF: 30.0/25

Left In: -138.421+/-218.478 χ^2/NDF:13.0/22

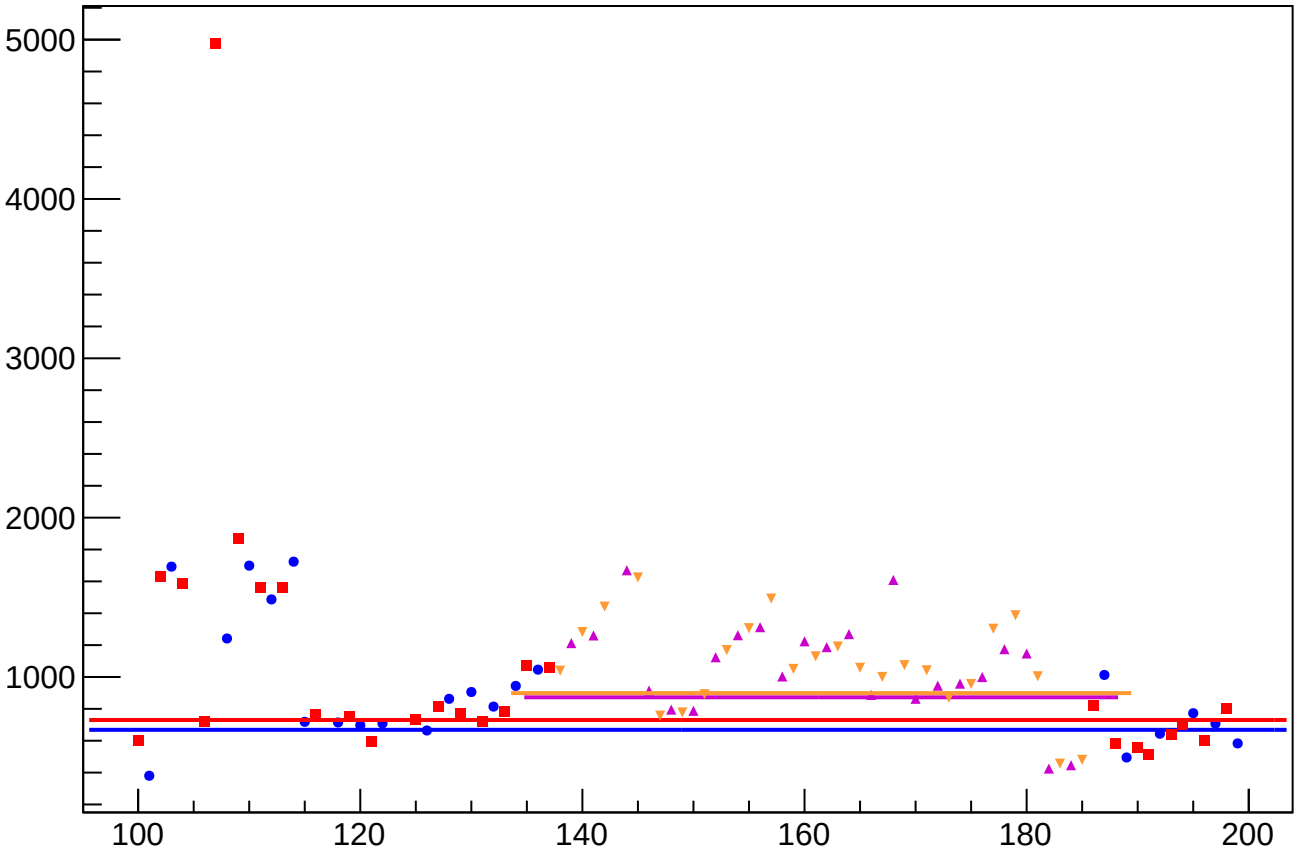
Left: -188.579+/-155.644 χ^2/NDF: 45.5/46

Right: -293.490+/-152.186 χ^2/NDF: 59.1/47

In: -155.288+/-151.850 χ^2/NDF:41.4/44

Out: -333.961+/-156.006 χ^2/NDF:62.8/49

All: -242.213+/-108.814 χ^2/NDF: 104.9/94



Right In: 668.380+/-0.149 χ^2/NDF: 2699646.3/21

Left Out: 898.849+/-0.157 χ^2/NDF:3791528.8/23

Right Out: 730.165+/-0.155 χ^2/NDF: 2549205.4/25

Left In: 872.472+/-0.154 χ^2/NDF:4435516.3/22

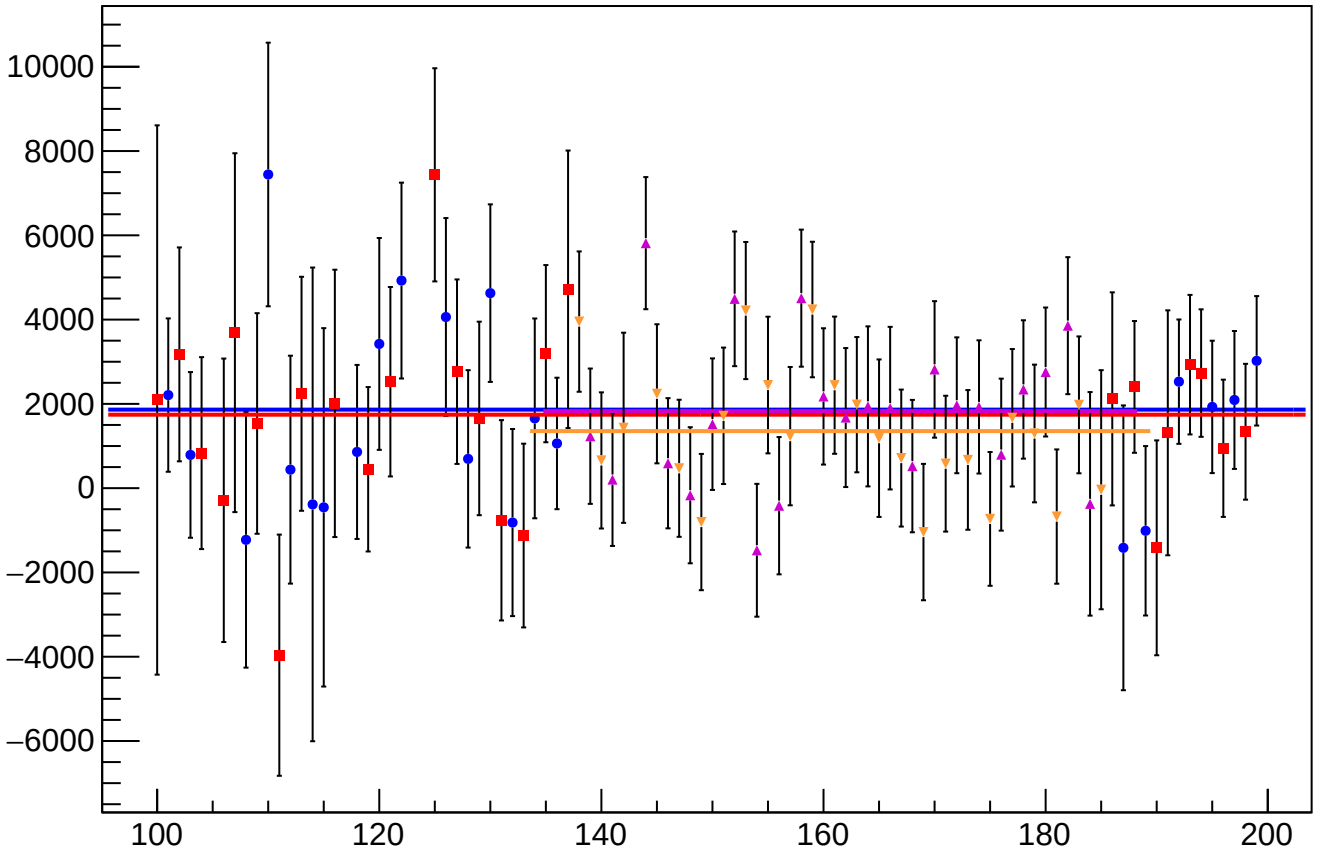
Left: 885.462+/-0.110 χ^2/NDF: 8241401.5/46

Right: 698.085+/-0.108 χ^2/NDF: 5331141.9/47

In: 766.972+/-0.107 χ^2/NDF:8037348.9/44

Out: 813.625+/-0.110 χ^2/NDF:6925241.2/49

All: 789.669+/-0.077 χ^2/NDF: 15054435.5/94



Right In: 1863.761+/-447.479 χ^2/NDF: 16.1/21

Left Out: 1353.684+/-341.570 χ^2/NDF:18.9/23

Right Out: 1743.735+/-441.294 χ^2/NDF: 18.1/25

Left In: 1828.250+/-343.952 χ^2/NDF:25.8/22

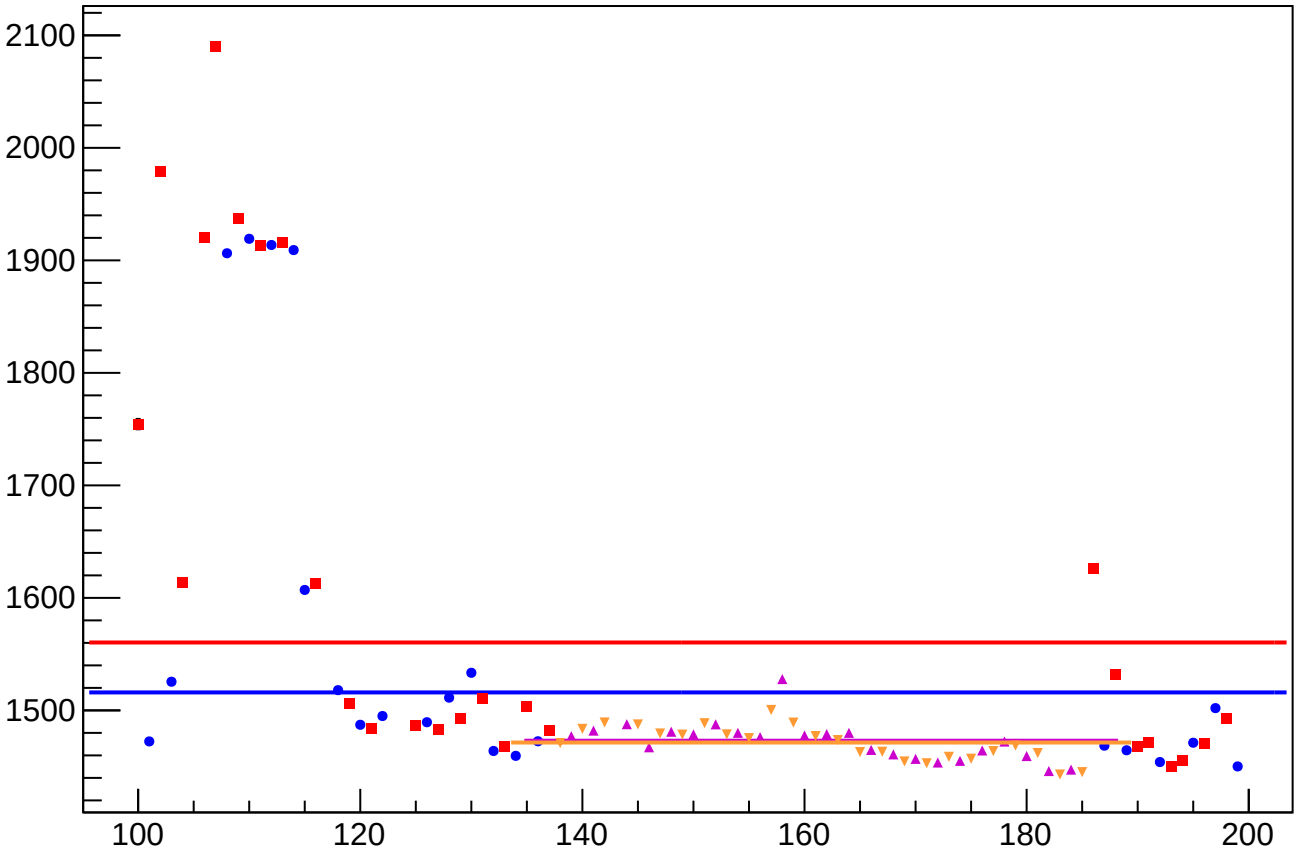
Left: 1589.318+/-242.364 χ^2/NDF: 45.7/46

Right: 1802.913+/-314.206 χ^2/NDF: 34.2/47

In: 1841.439+/-272.702 χ^2/NDF:41.9/44

Out: 1499.817+/-270.110 χ^2/NDF:37.5/49

All: 1668.997+/-191.907 χ^2/NDF: 80.2/94



Right In: 1515.972+/-0.316 χ^2/NDF: 136774.0/21

Left Out: 1471.437+/-0.242 χ^2/NDF:3436.8/23

Right Out: 1560.353+/-0.312 χ^2/NDF: 267845.7/25

Left In: 1473.049+/-0.243 χ^2/NDF:4751.3/22

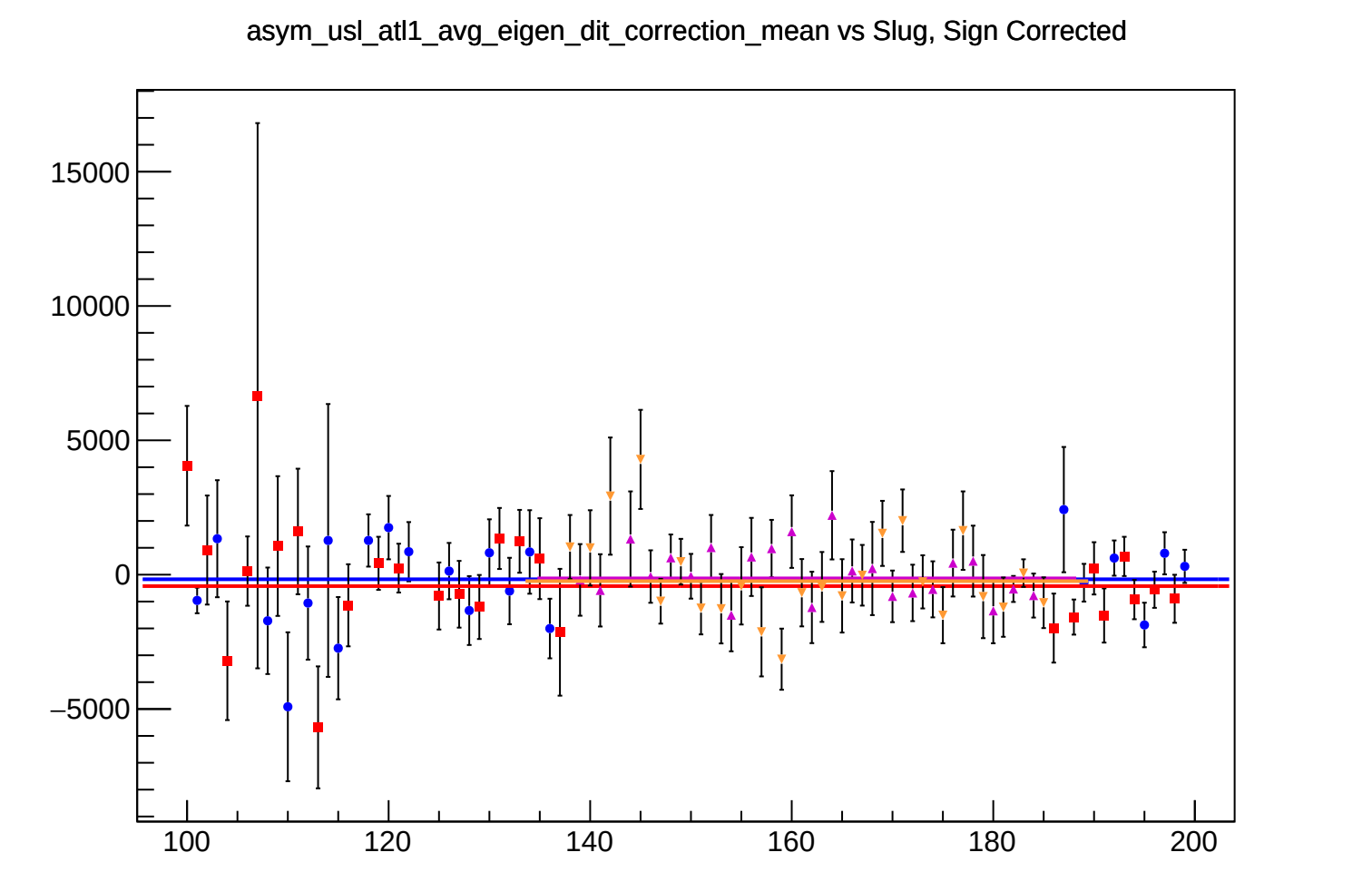
Left: 1472.237+/-0.171 χ^2/NDF: 8210.2/46

Right: 1538.471+/-0.222 χ^2/NDF: 414593.0/47

In: 1488.990+/-0.193 χ^2/NDF:153093.3/44

Out: 1504.749+/-0.191 χ^2/NDF:322058.2/49

All: 1496.945+/-0.136 χ^2/NDF: 478522.8/94



Right In: -171.050+/-211.203 χ^2/NDF: 28.4/21

Left Out: -240.269+/-221.788 χ^2/NDF:32.4/23

Right Out: -425.716+/-219.481 χ^2/NDF: 30.0/25

Left In: -138.421+/-218.478 χ^2/NDF:13.0/22

Left: -188.580+/-155.644 χ^2/NDF: 45.5/46

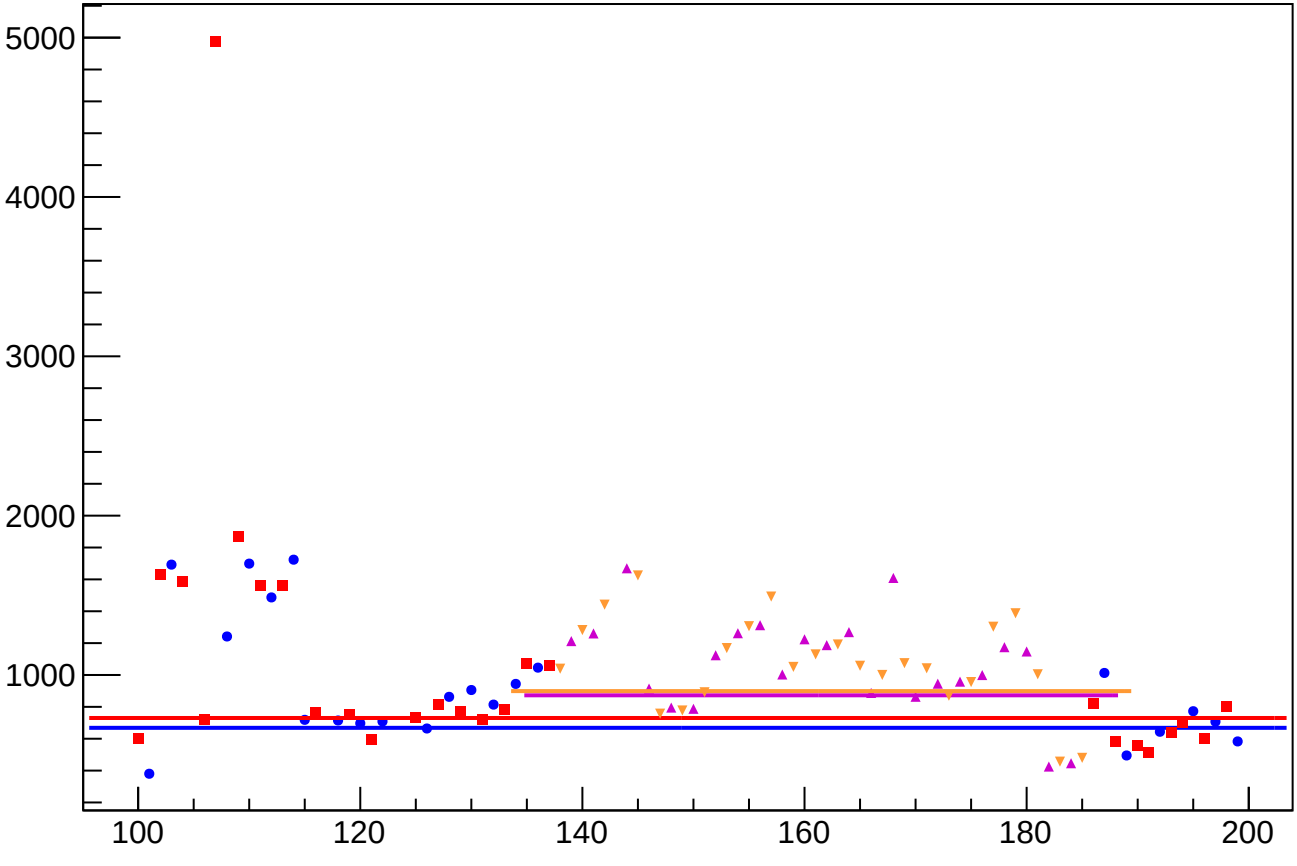
Right: -293.490+/-152.186 χ^2/NDF: 59.1/47

In: -155.288+/-151.850 χ^2/NDF:41.4/44

Out: -333.962+/-156.006 χ^2/NDF:62.8/49

All: -242.213+/-108.814 χ^2/NDF: 104.9/94

asym_usl_atl1_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 668.380+/-0.149 χ^2/NDF: 2699638.9/21

Left Out: 898.850+/-0.157 χ^2/NDF:3791537.4/23

Right Out: 730.165+/-0.155 χ^2/NDF: 2549207.9/25

Left In: 872.473+/-0.154 χ^2/NDF:4435524.1/22

Left: 885.463+/-0.110 χ^2/NDF: 8241417.9/46

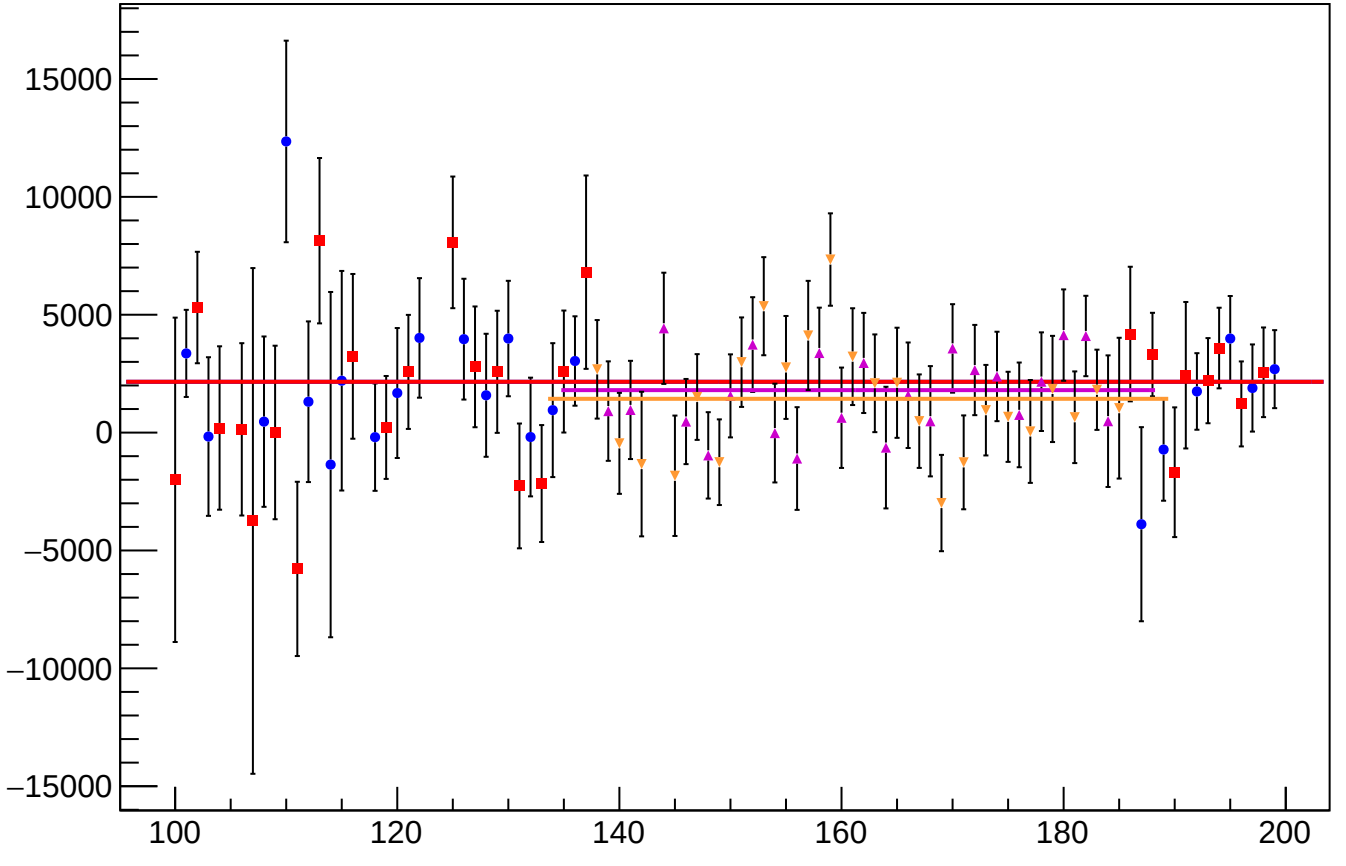
Right: 698.085+/-0.108 χ^2/NDF: 5331135.7/47

In: 766.972+/-0.107 χ^2/NDF:8037354.7/44

Out: 813.625+/-0.110 χ^2/NDF:6925260.0/49

All: 789.669+/-0.077 χ^2/NDF: 15054459.1/94

asym_usl_atl1_avg_mean vs Slug, Sign Corrected



Right In: 2154.675+/-514.010 χ^2/NDF: 16.2/21

Left Out: 1433.314+/-424.465 χ^2/NDF:29.4/23

Right Out: 2156.364+/-505.625 χ^2/NDF: 27.4/25

Left In: 1801.543+/-426.483 χ^2/NDF:15.3/22

Left: 1616.556+/-300.853 χ^2/NDF: 45.1/46

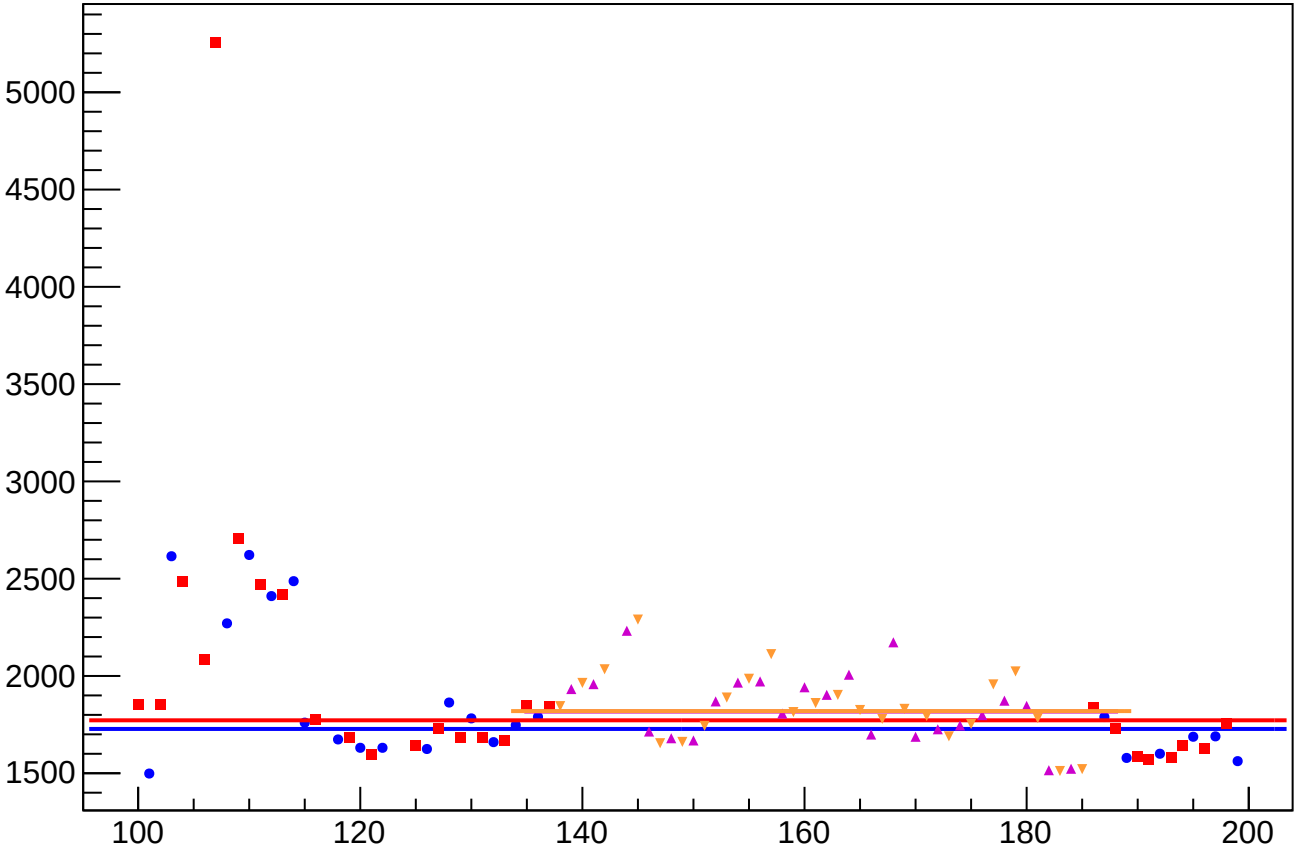
Right: 2155.534+/-360.459 χ^2/NDF: 43.7/47

In: 1945.527+/-328.216 χ^2/NDF:31.8/44

Out: 1732.223+/-325.097 χ^2/NDF:58.0/49

All: 1837.856+/-230.973 χ^2/NDF: 90.1/94

asym_usl_atl1_avg_rms vs Slug, Sign Corrected



Right In: 1727.684+/-0.363 χ^2/NDF: 468357.4/21

Left Out: 1819.417+/-0.300 χ^2/NDF:295015.0/23

Right Out: 1772.077+/-0.358 χ^2/NDF: 678226.2/25

Left In: 1817.142+/-0.302 χ^2/NDF:307103.2/22

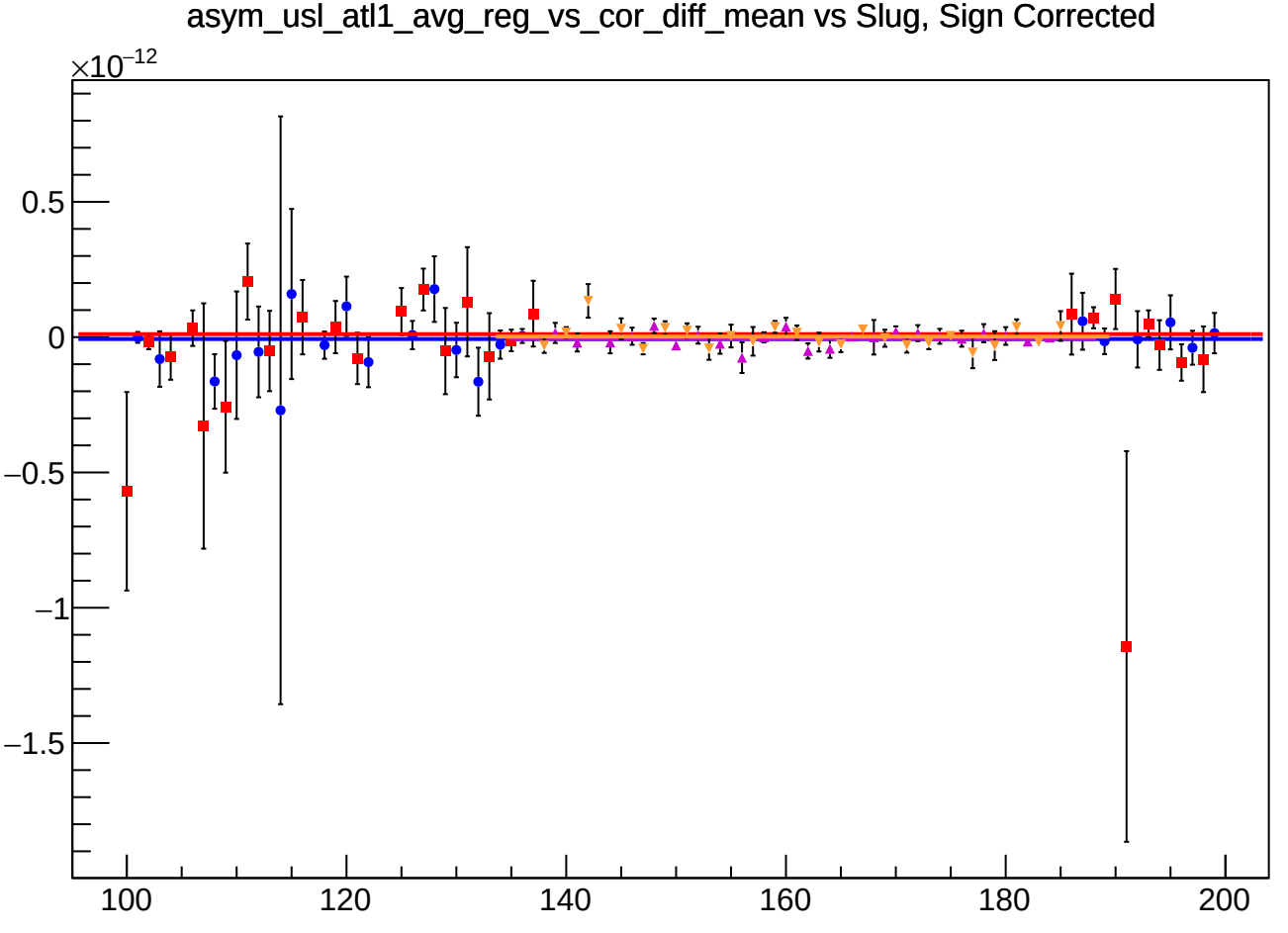
Left: 1818.285+/-0.213 χ^2/NDF: 602146.8/46

Right: 1750.245+/-0.255 χ^2/NDF: 1154165.3/47

In: 1780.667+/-0.232 χ^2/NDF:811339.3/44

Out: 1799.847+/-0.230 χ^2/NDF:983525.8/49

All: 1790.348+/-0.163 χ^2/NDF: 1798312.7/94



Right In: -0.000+/-0.000 χ^2/NDF: 11.4/21

Left Out: 0.000+/-0.000 χ^2/NDF:29.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 27.4/25

Left In: -0.000+/-0.000 χ^2/NDF:17.9/22

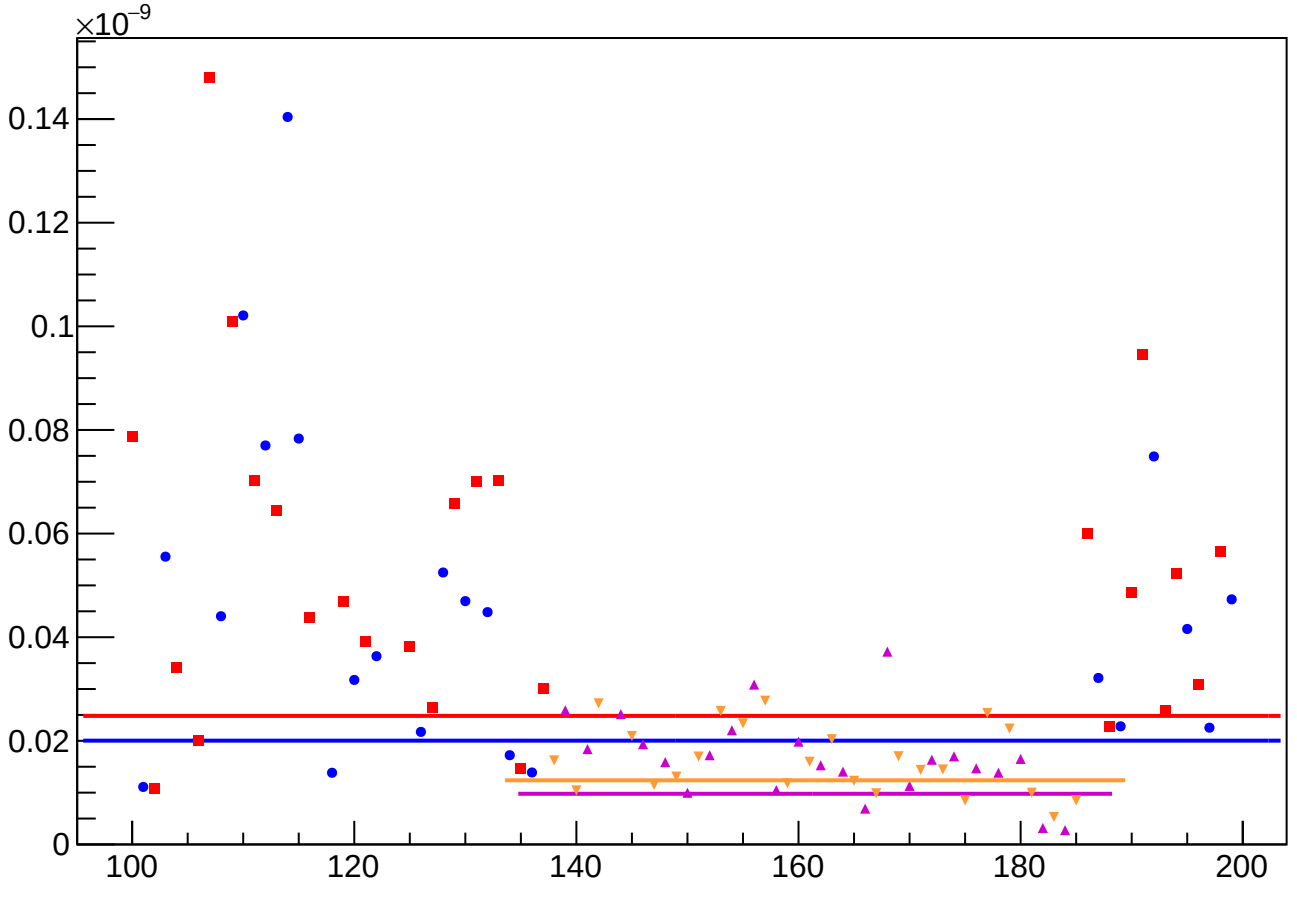
Left: -0.000+/-0.000 χ^2/NDF: 48.5/46

Right: 0.000+/-0.000 χ^2/NDF: 39.8/47

In: -0.000+/-0.000 χ^2/NDF:29.4/44

Out: 0.000+/-0.000 χ^2/NDF:57.1/49

All: -0.000+/-0.000 χ^2/NDF: 88.4/94



Right In: 0.000+/-0.000 χ^2/NDF: 2869418.0/21

Left Out: 0.000+/-0.000 χ^2/NDF:1898110.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 2711975.8/25

Left In: 0.000+/-0.000 χ^2/NDF:4499862.2/22

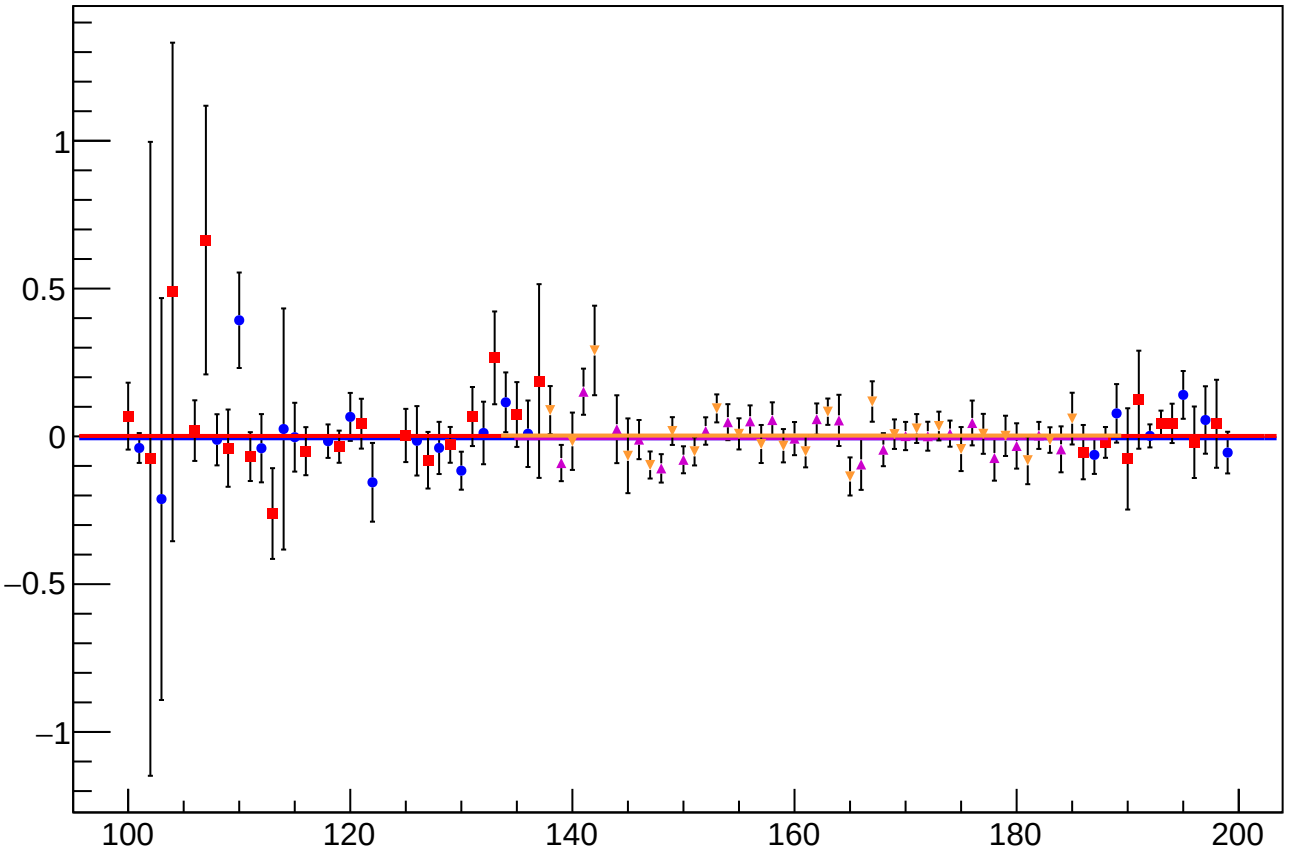
Left: 0.000+/-0.000 χ^2/NDF: 6671683.2/46

Right: 0.000+/-0.000 χ^2/NDF: 5714453.2/47

In: 0.000+/-0.000 χ^2/NDF:8642836.6/44

Out: 0.000+/-0.000 χ^2/NDF:5968509.4/49

All: 0.000+/-0.000 χ^2/NDF: 14972816.7/94



Right In: -0.006+/-0.017 χ^2/NDF: 18.9/21

Left Out: 0.003+/-0.012 χ^2/NDF:29.9/23

Right Out: 0.001+/-0.018 χ^2/NDF: 15.4/25

Left In: -0.006+/-0.012 χ^2/NDF:21.6/22

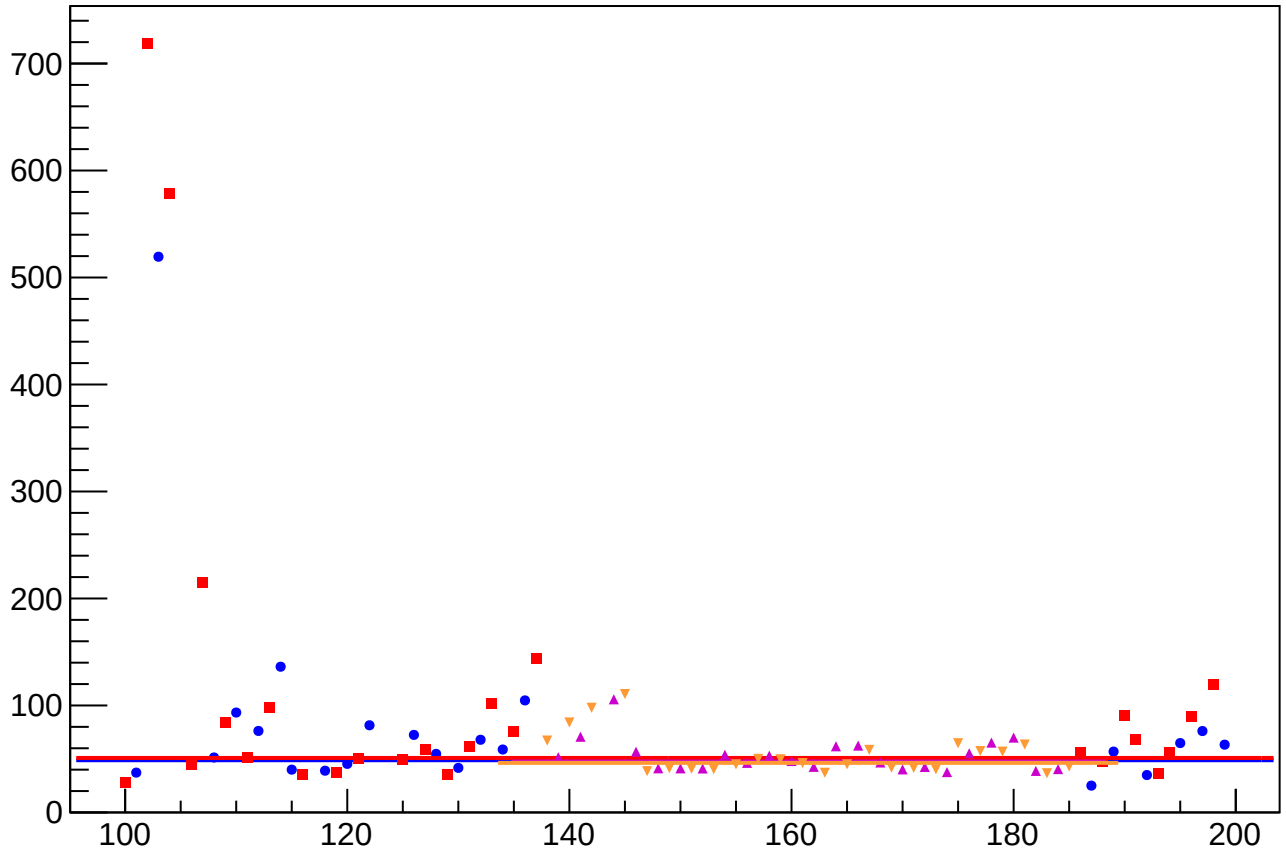
Left: -0.002+/-0.008 χ^2/NDF: 51.8/46

Right: -0.003+/-0.012 χ^2/NDF: 34.4/47

In: -0.006+/-0.010 χ^2/NDF:40.6/44

Out: 0.002+/-0.010 χ^2/NDF:45.3/49

All: -0.002+/-0.007 χ^2/NDF: 86.2/94



Right In: 48.827+/-0.012 χ^2/NDF: 3127701.8/21

Left Out: 46.353+/-0.008 χ^2/NDF:1967753.2/23

Right Out: 50.948+/-0.012 χ^2/NDF: 4062142.3/25

Left In: 47.575+/-0.009 χ^2/NDF:1576196.2/22

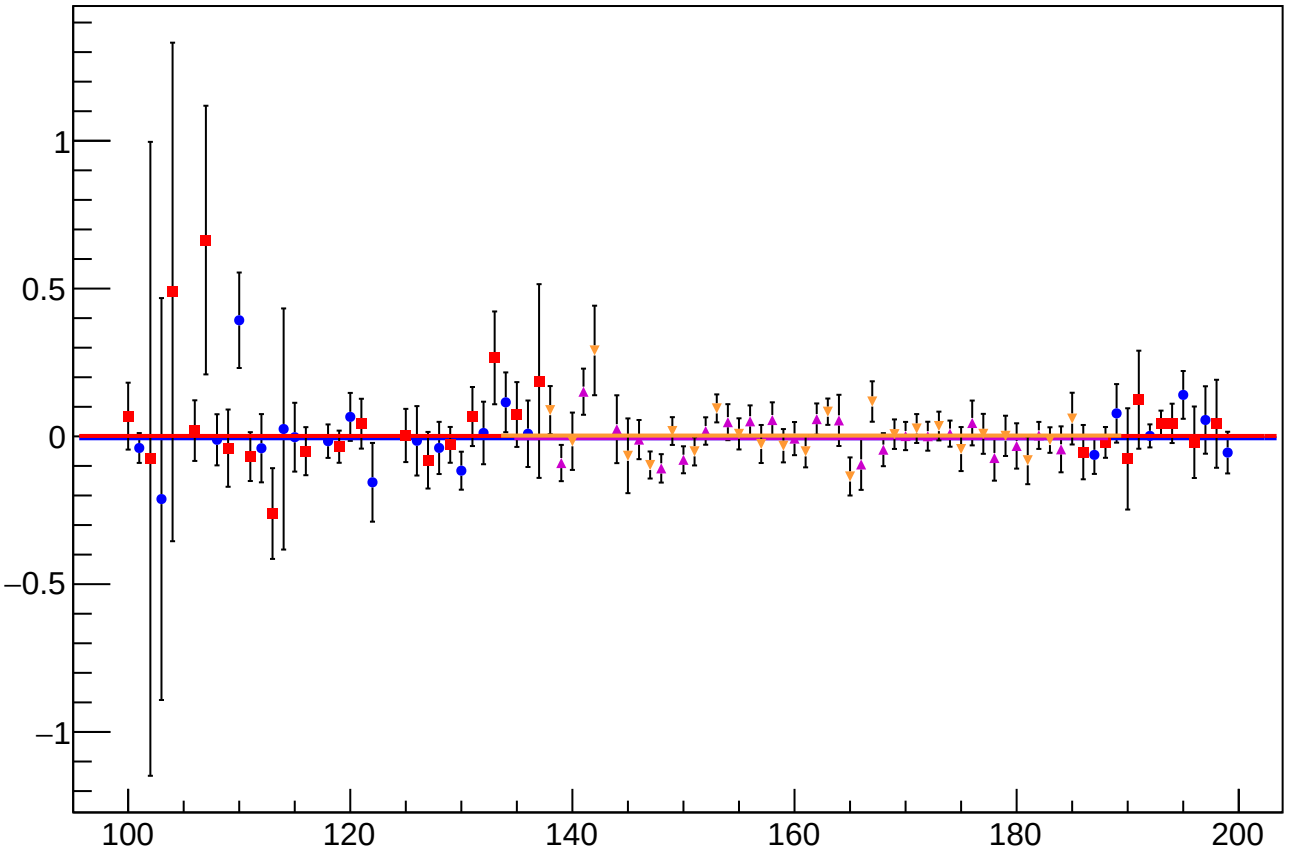
Left: 46.952+/-0.006 χ^2/NDF: 3554287.7/46

Right: 49.861+/-0.009 χ^2/NDF: 7204685.3/47

In: 47.991+/-0.007 χ^2/NDF:4710975.9/44

Out: 47.791+/-0.007 χ^2/NDF:6123250.3/49

All: 47.890+/-0.005 χ^2/NDF: 10834636.9/94



Right In: -0.006+/-0.017 χ^2/NDF: 18.9/21

Left Out: 0.003+/-0.012 χ^2/NDF:29.9/23

Right Out: 0.001+/-0.018 χ^2/NDF: 15.4/25

Left In: -0.006+/-0.012 χ^2/NDF:21.6/22

Left: -0.002+/-0.008 χ^2/NDF: 51.8/46

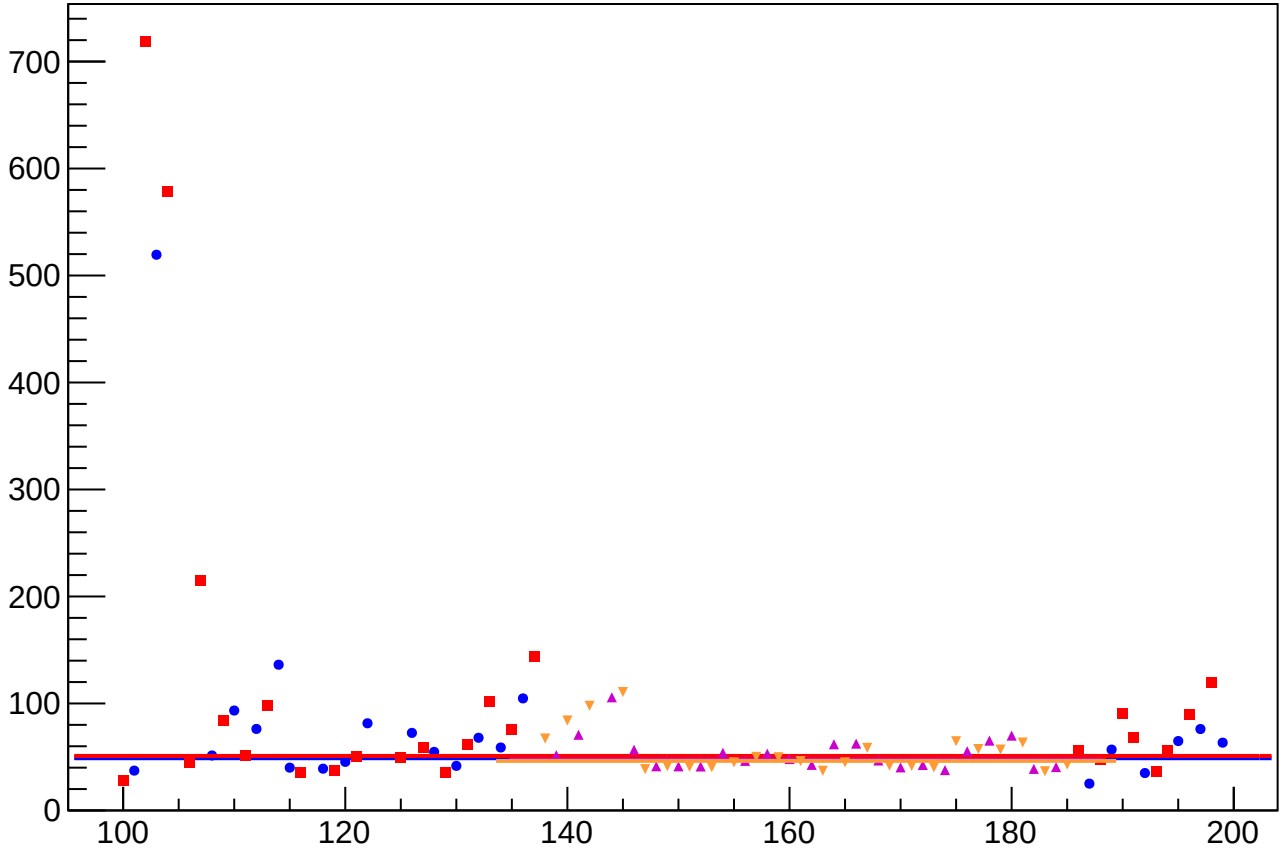
Right: -0.003+/-0.012 χ^2/NDF: 34.4/47

In: -0.006+/-0.010 χ^2/NDF:40.6/44

Out: 0.002+/-0.010 χ^2/NDF:45.3/49

All: -0.002+/-0.007 χ^2/NDF: 86.2/94

asym_usl_atl1_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 48.827+/-0.012 χ^2/NDF: 3127701.8/21

Left Out: 46.353+/-0.008 χ^2/NDF:1967753.2/23

Right Out: 50.948+/-0.012 χ^2/NDF: 4062142.3/25

Left In: 47.575+/-0.009 χ^2/NDF:1576196.2/22

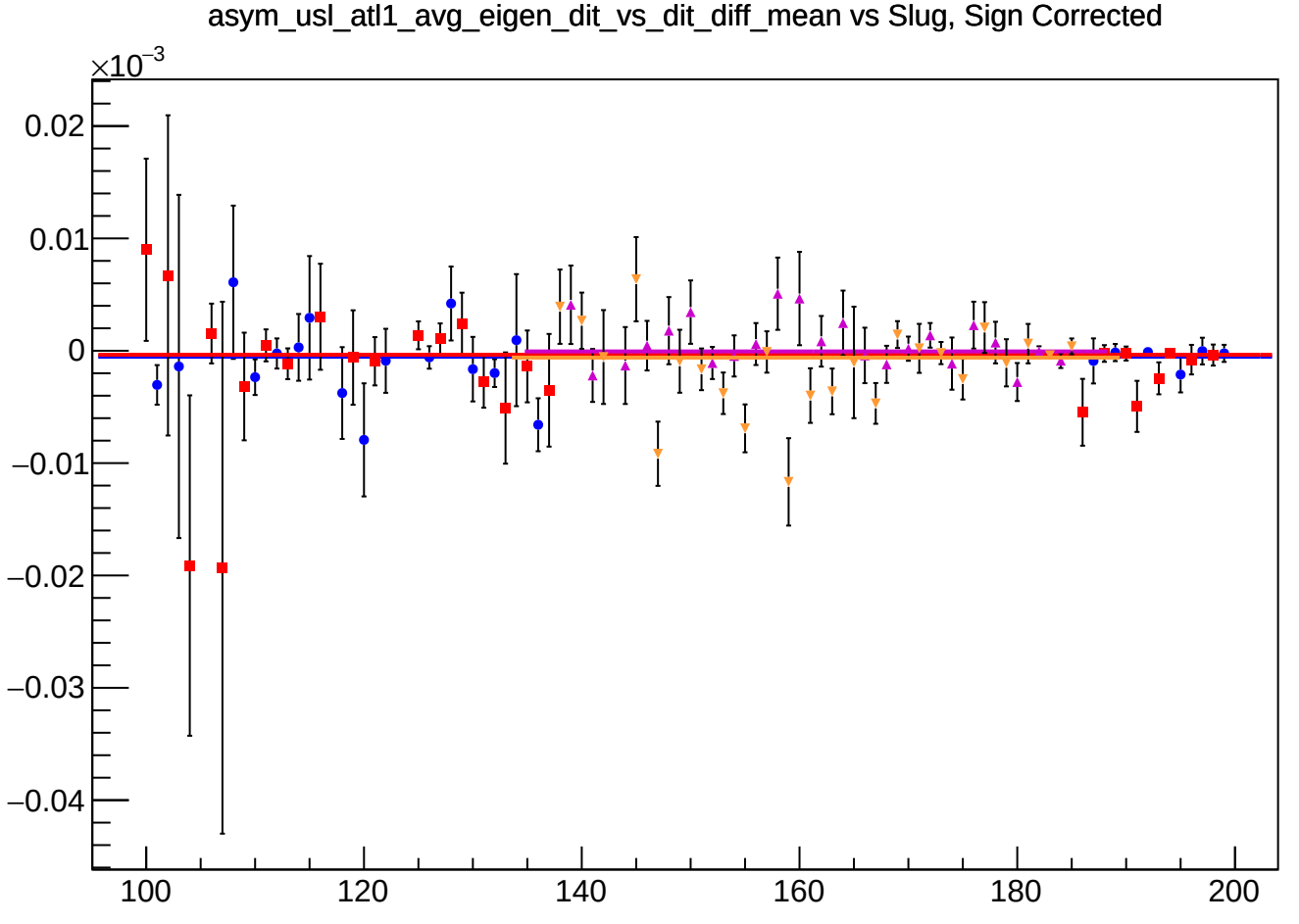
Left: 46.952+/-0.006 χ^2/NDF: 3554287.7/46

Right: 49.861+/-0.009 χ^2/NDF: 7204685.3/47

In: 47.991+/-0.007 χ^2/NDF:4710975.9/44

Out: 47.791+/-0.007 χ^2/NDF:6123250.3/49

All: 47.890+/-0.005 χ^2/NDF: 10834636.9/94



Right In: -0.000+/-0.000 χ^2/NDF: 20.5/21

Left Out: -0.000+/-0.000 χ^2/NDF:54.0/23

Right Out: -0.000+/-0.000 χ^2/NDF: 21.8/25

Left In: -0.000+/-0.000 χ^2/NDF:17.9/22

Left: -0.000+/-0.000 χ^2/NDF: 73.8/46

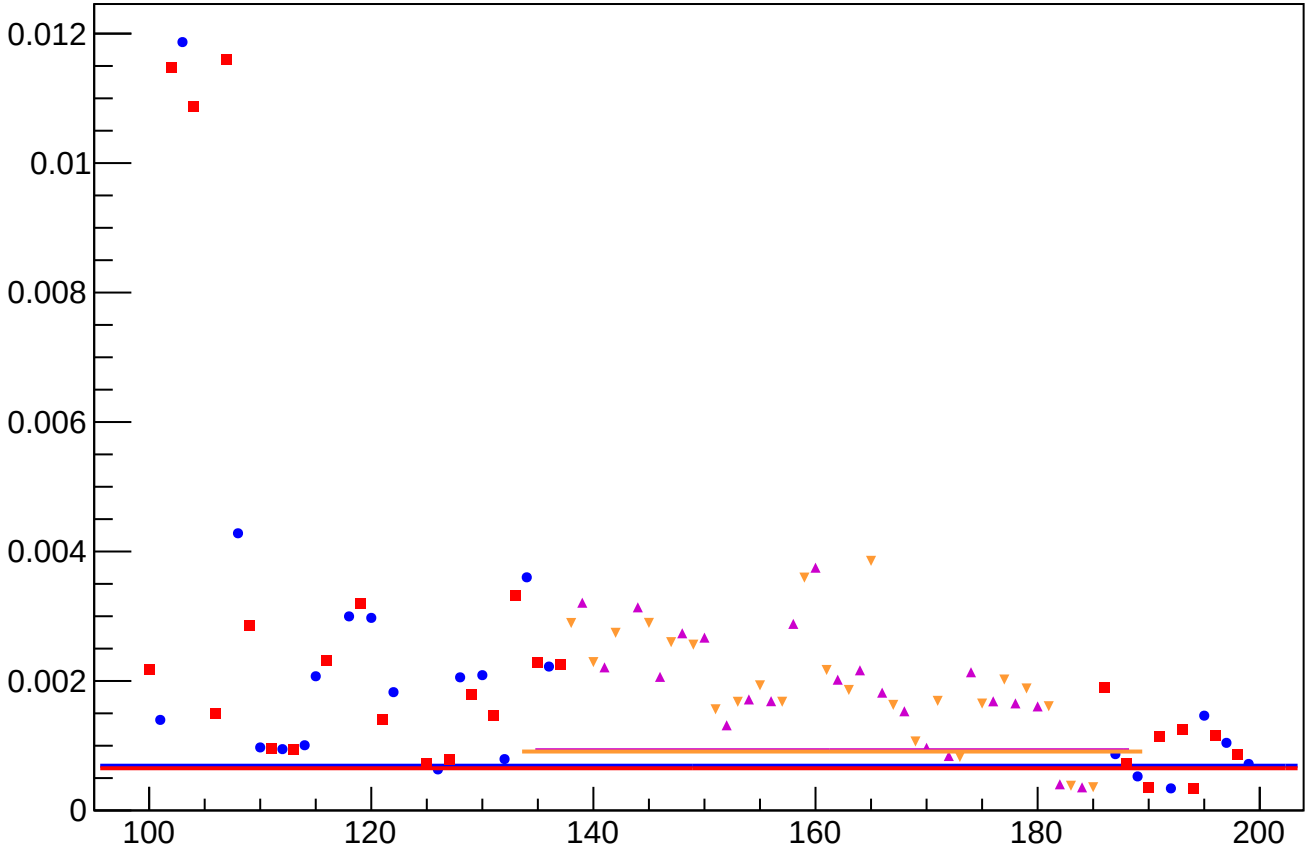
Right: -0.000+/-0.000 χ^2/NDF: 42.6/47

In: -0.000+/-0.000 χ^2/NDF:39.9/44

Out: -0.000+/-0.000 χ^2/NDF:76.2/49

All: -0.000+/-0.000 χ^2/NDF: 116.5/94

asym_usl_atl1_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 7997990.4/21

Left Out: 0.001+/-0.000 χ^2/NDF:14137356.3/23

Right Out: 0.001+/-0.000 χ^2/NDF: 9588504.6/25

Left In: 0.001+/-0.000 χ^2/NDF:13690985.6/22

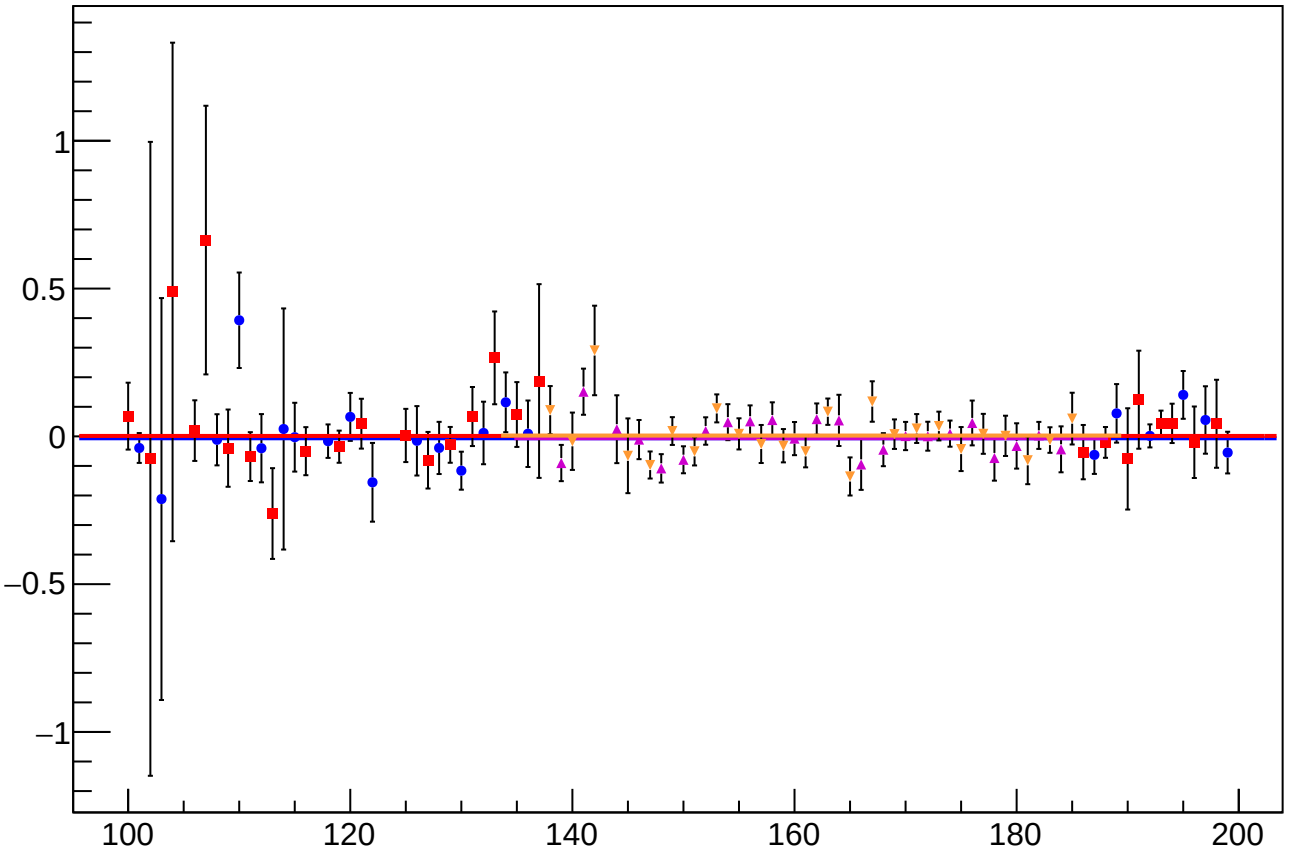
Left: 0.001+/-0.000 χ^2/NDF: 27833708.7/46

Right: 0.001+/-0.000 χ^2/NDF: 17610824.3/47

In: 0.001+/-0.000 χ^2/NDF:22462342.3/44

Out: 0.001+/-0.000 χ^2/NDF:24709962.3/49

All: 0.001+/-0.000 χ^2/NDF: 47216226.6/94



Right In: -0.006+/-0.017 χ^2/NDF: 18.9/21

Left Out: 0.003+/-0.012 χ^2/NDF:29.9/23

Right Out: 0.001+/-0.018 χ^2/NDF: 15.4/25

Left In: -0.006+/-0.012 χ^2/NDF:21.6/22

Left: -0.002+/-0.008 χ^2/NDF: 51.8/46

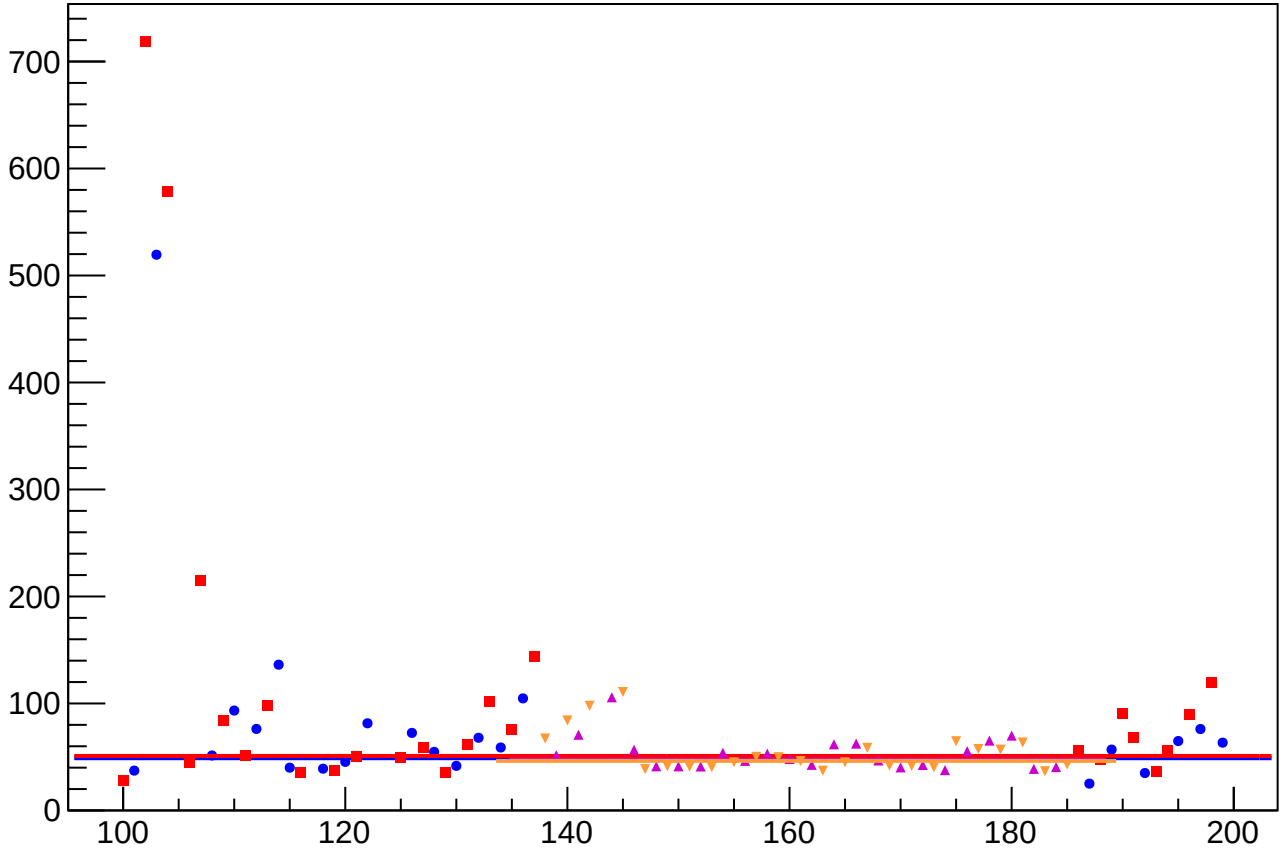
Right: -0.003+/-0.012 χ^2/NDF: 34.4/47

In: -0.006+/-0.010 χ^2/NDF:40.6/44

Out: 0.002+/-0.010 χ^2/NDF:45.3/49

All: -0.002+/-0.007 χ^2/NDF: 86.2/94

asym_usl_atl1_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 48.827+/-0.012 χ^2/NDF: 3127705.1/21

Left Out: 46.354+/-0.008 χ^2/NDF:1967741.3/23

Right Out: 50.948+/-0.012 χ^2/NDF: 4062149.5/25

Left In: 47.575+/-0.009 χ^2/NDF:1576204.5/22

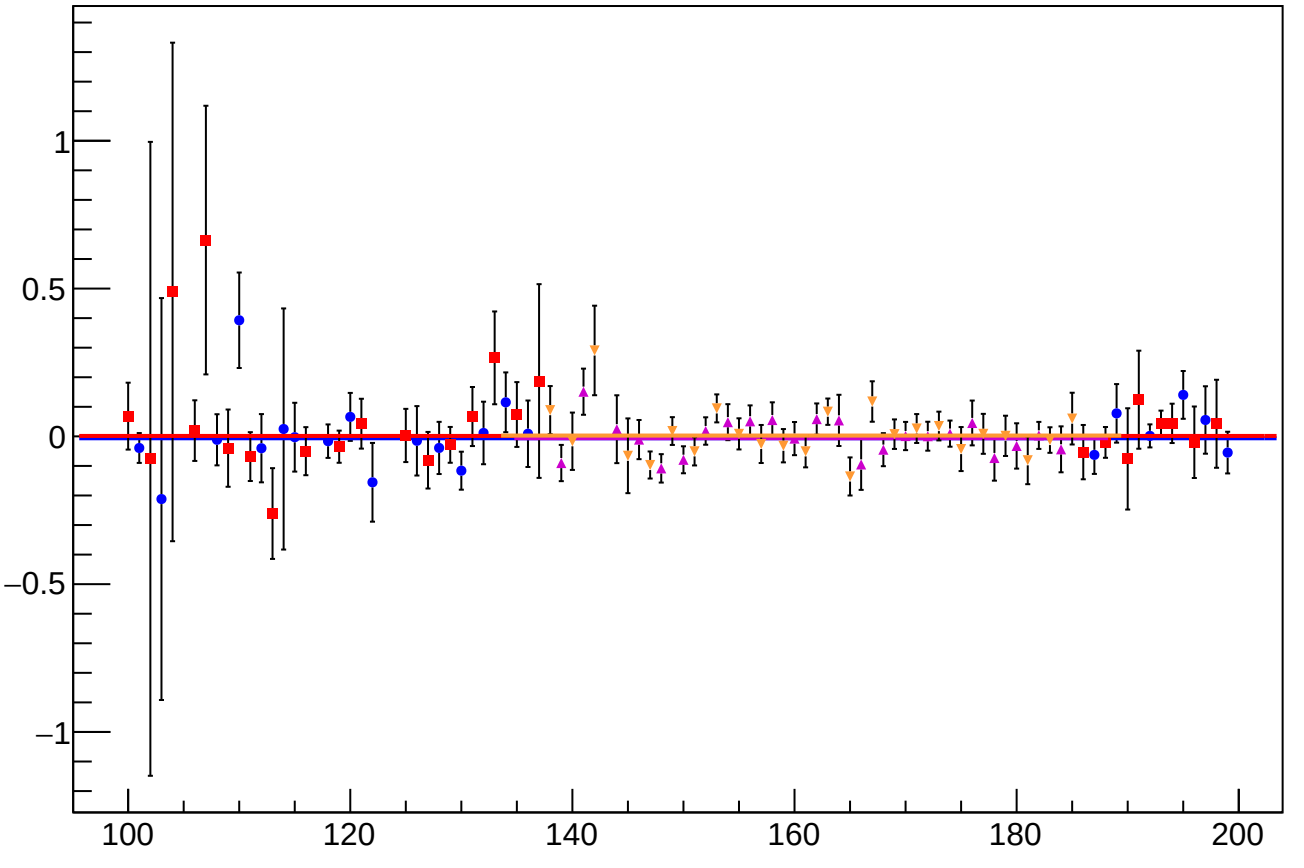
Left: 46.952+/-0.006 χ^2/NDF: 3554282.4/46

Right: 49.861+/-0.009 χ^2/NDF: 7204693.3/47

In: 47.991+/-0.007 χ^2/NDF:4710985.9/44

Out: 47.791+/-0.007 χ^2/NDF:6123228.6/49

All: 47.890+/-0.005 χ^2/NDF: 10834625.2/94



Right In: -0.006+/-0.017 χ^2/NDF: 18.9/21

Left Out: 0.003+/-0.012 χ^2/NDF:29.9/23

Right Out: 0.001+/-0.018 χ^2/NDF: 15.4/25

Left In: -0.006+/-0.012 χ^2/NDF:21.6/22

Left: -0.002+/-0.008 χ^2/NDF: 51.8/46

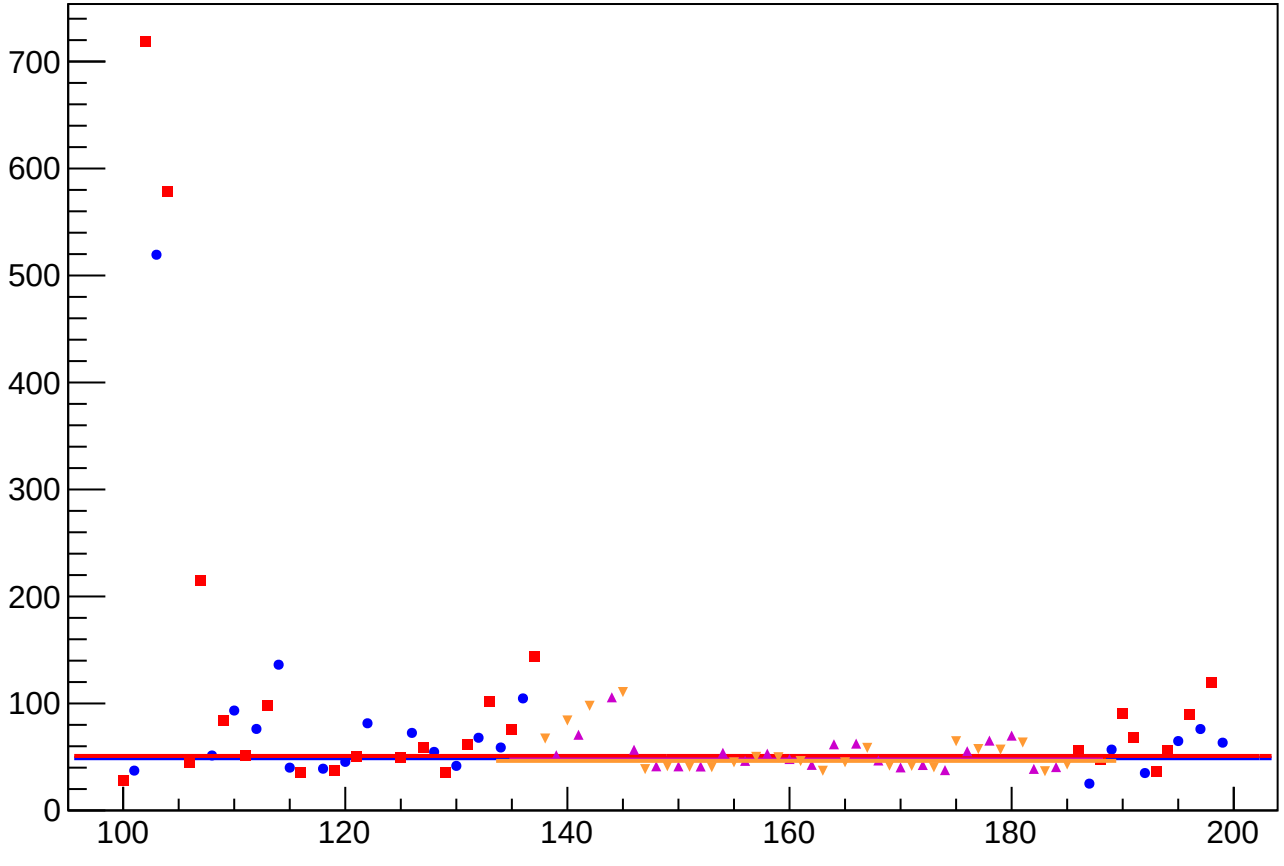
Right: -0.003+/-0.012 χ^2/NDF: 34.4/47

In: -0.006+/-0.010 χ^2/NDF:40.6/44

Out: 0.002+/-0.010 χ^2/NDF:45.3/49

All: -0.002+/-0.007 χ^2/NDF: 86.2/94

asym_usl_atl1_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 48.827+/-0.012 χ^2/NDF: 3127705.1/21

Left Out: 46.354+/-0.008 χ^2/NDF:1967741.3/23

Right Out: 50.948+/-0.012 χ^2/NDF: 4062149.5/25

Left In: 47.575+/-0.009 χ^2/NDF:1576204.5/22

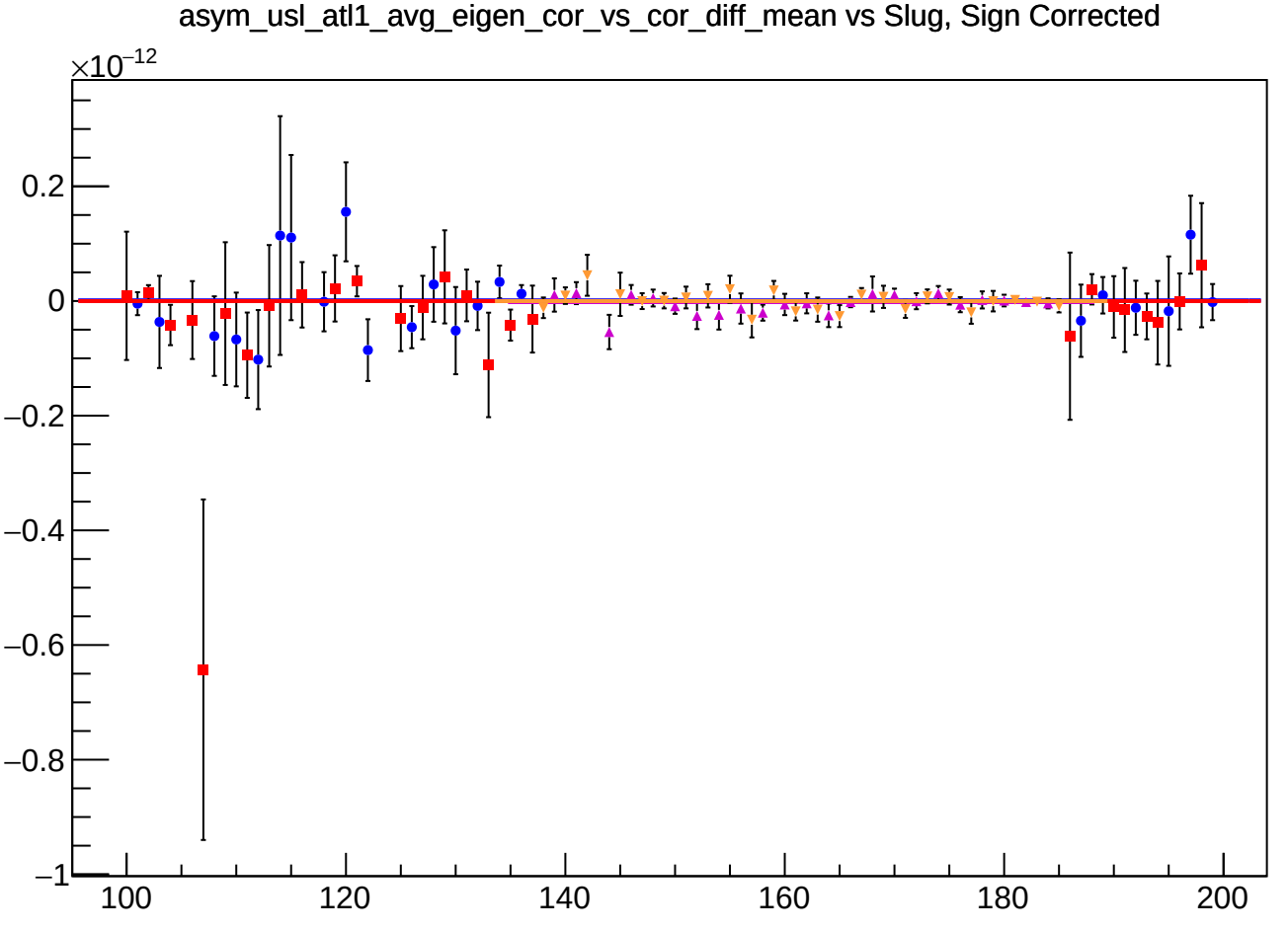
Left: 46.952+/-0.006 χ^2/NDF: 3554282.4/46

Right: 49.861+/-0.009 χ^2/NDF: 7204693.3/47

In: 47.991+/-0.007 χ^2/NDF:4710985.9/44

Out: 47.791+/-0.007 χ^2/NDF:6123228.6/49

All: 47.890+/-0.005 χ^2/NDF: 10834625.2/94



Right In: 0.000+/-0.000 χ^2/NDF: 17.4/21

Left Out: -0.000+/-0.000 χ^2/NDF:13.9/23

Right Out: -0.000+/-0.000 χ^2/NDF: 17.9/25

Left In: -0.000+/-0.000 χ^2/NDF:13.4/22

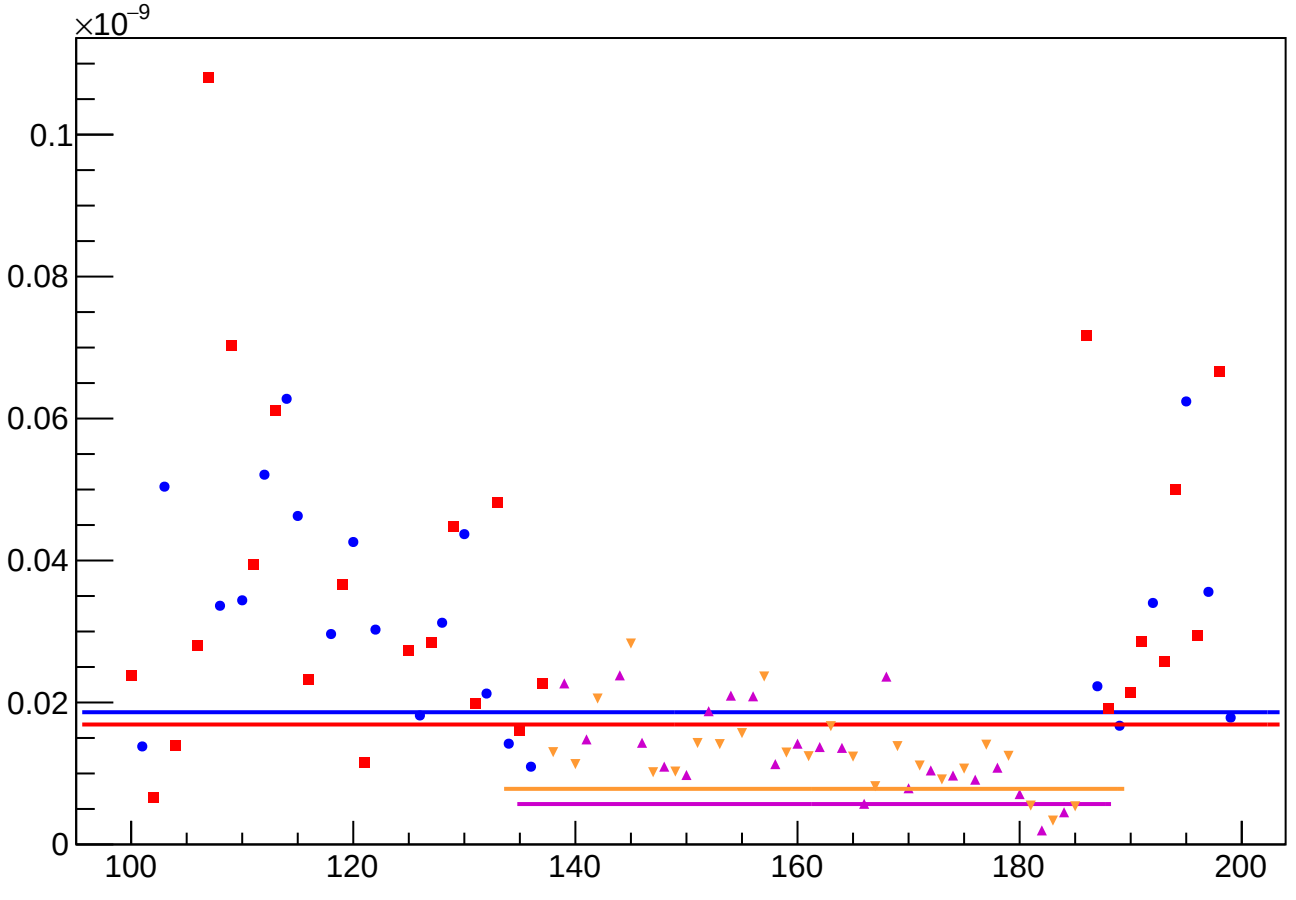
Left: -0.000+/-0.000 χ^2/NDF: 27.5/46

Right: 0.000+/-0.000 χ^2/NDF: 35.4/47

In: -0.000+/-0.000 χ^2/NDF:30.9/44

Out: -0.000+/-0.000 χ^2/NDF:31.8/49

All: -0.000+/-0.000 χ^2/NDF: 63.0/94



Right In: 0.000+/-0.000 χ^2/NDF: 3030783.1/21

Left Out: 0.000+/-0.000 χ^2/NDF:6422392.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 4834432.9/25

Left In: 0.000+/-0.000 χ^2/NDF:11199324.6/22

Left: 0.000+/-0.000 χ^2/NDF: 18452669.5/46

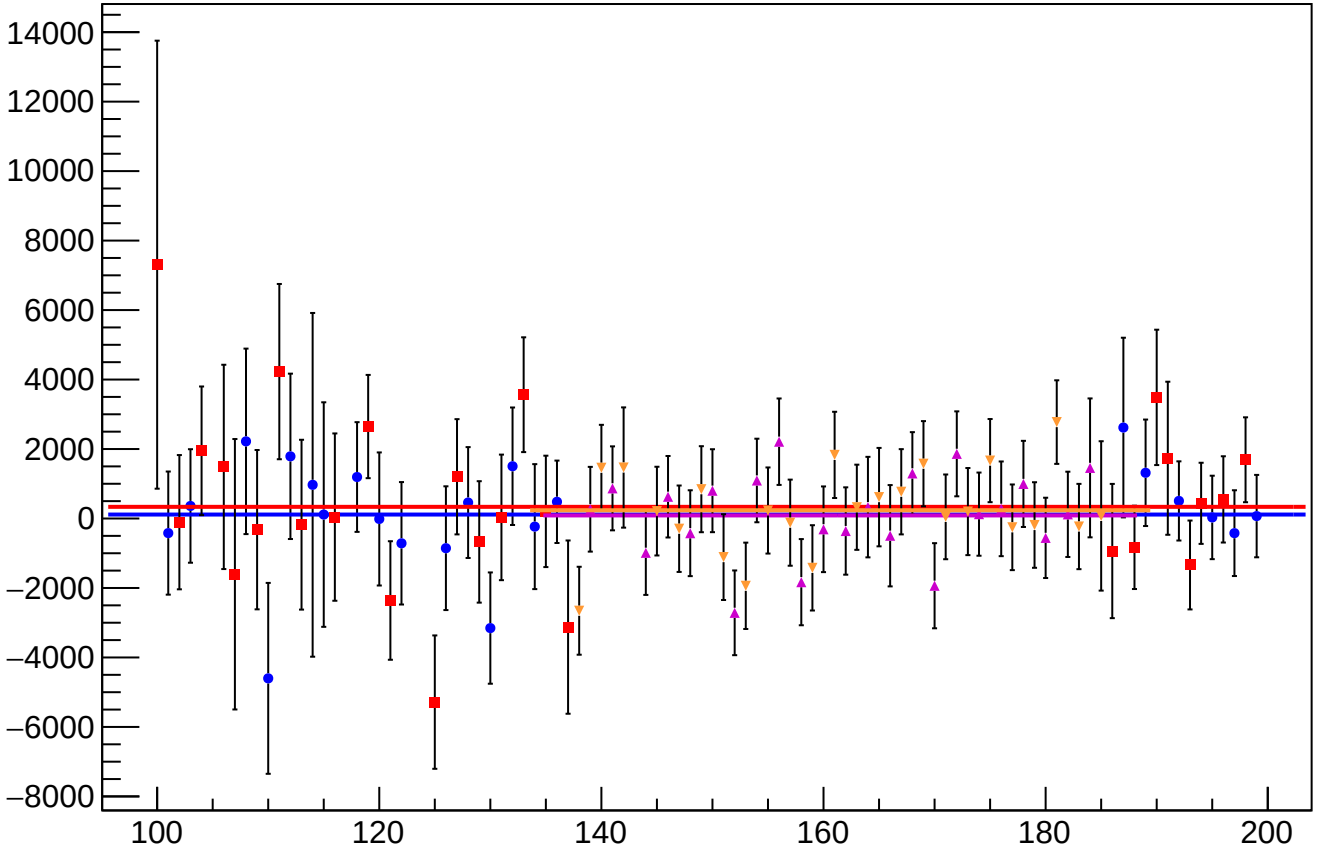
Right: 0.000+/-0.000 χ^2/NDF: 7910234.4/47

In: 0.000+/-0.000 χ^2/NDF:18741464.6/44

Out: 0.000+/-0.000 χ^2/NDF:13612068.5/49

All: 0.000+/-0.000 χ^2/NDF: 33306516.1/94

reg_asym_usl_atl1_dd_mean vs Slug, Sign Corrected



Right In: 113.948+/-350.336 χ^2/NDF: 12.1/21

Left Out: 236.601+/-259.669 χ^2/NDF:22.7/23

Right Out: 335.794+/-342.422 χ^2/NDF: 32.2/25

Left In: 88.380+/-261.602 χ^2/NDF:20.9/22

Left: 163.040+/-184.293 χ^2/NDF: 43.8/46

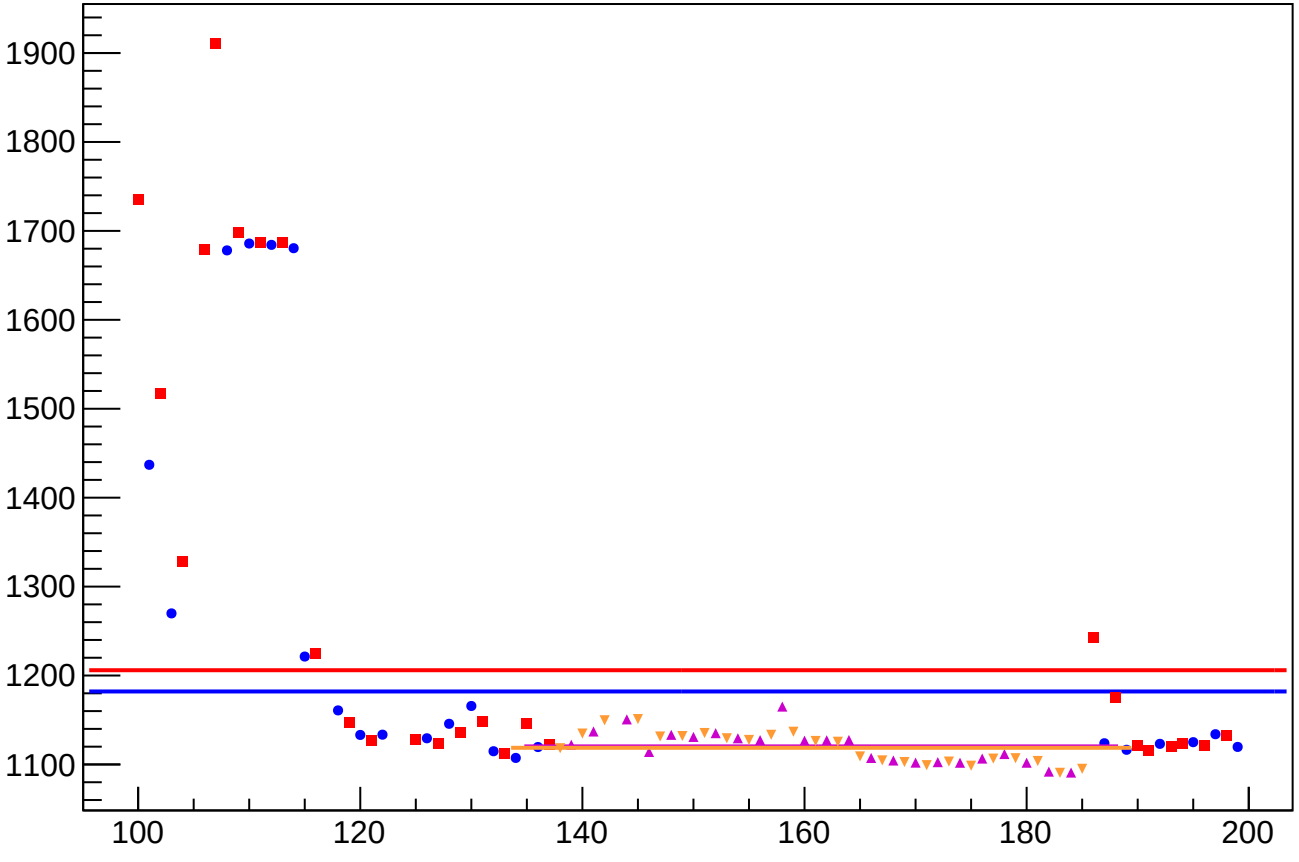
Right: 227.405+/-244.879 χ^2/NDF: 44.4/47

In: 97.533+/-209.611 χ^2/NDF:33.0/44

Out: 272.817+/-206.905 χ^2/NDF:54.9/49

All: 186.314+/-147.251 χ^2/NDF: 88.3/94

reg_asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1182.077+/-0.248 χ^2/NDF: 334490.7/21

Left Out: 1118.733+/-0.184 χ^2/NDF:8205.0/23

Right Out: 1205.970+/-0.242 χ^2/NDF: 510350.8/25

Left In: 1120.308+/-0.185 χ^2/NDF:9479.7/22

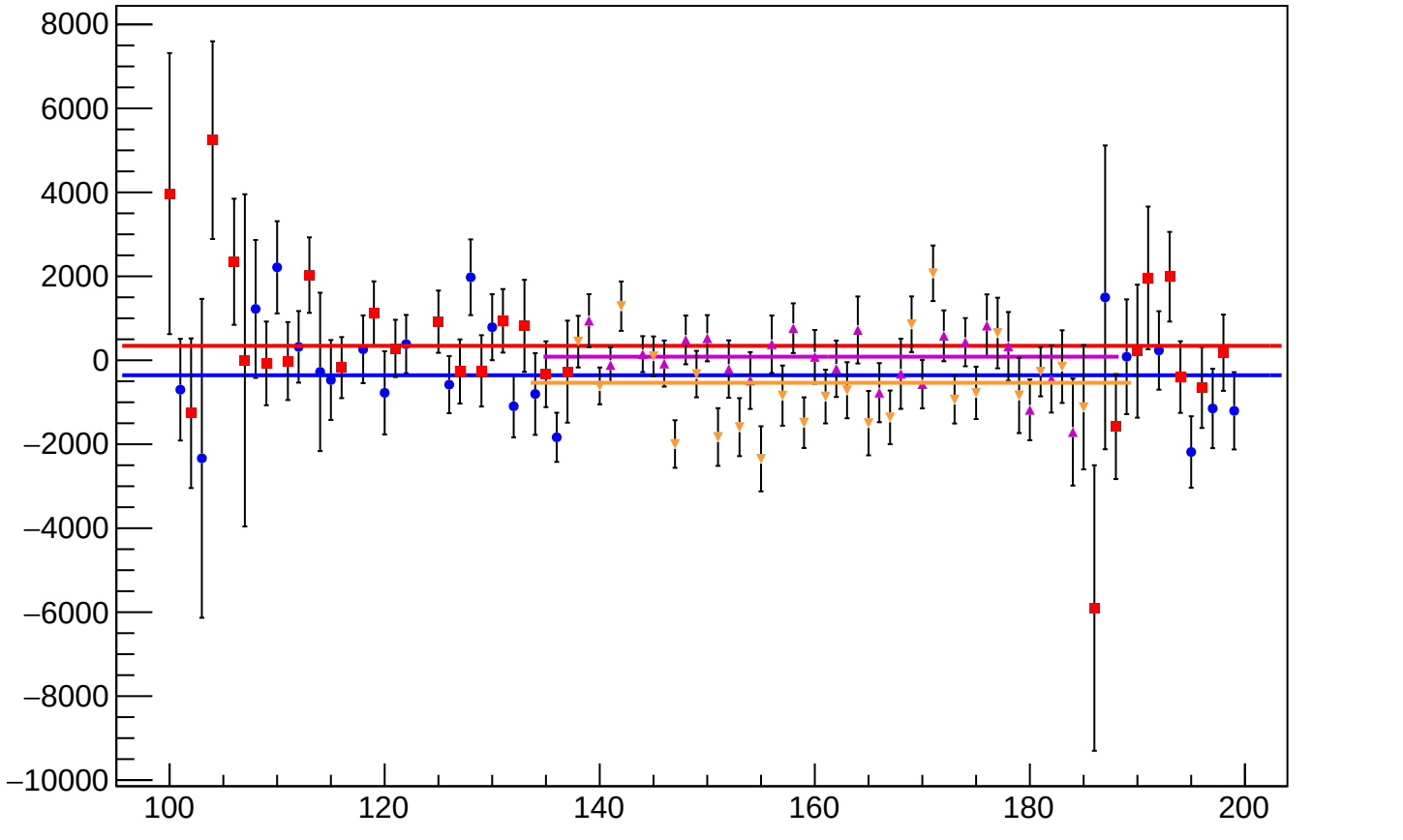
Left: 1119.515+/-0.130 χ^2/NDF: 17721.2/46

Right: 1194.297+/-0.173 χ^2/NDF: 849599.0/47

In: 1142.421+/-0.148 χ^2/NDF:383886.5/44

Out: 1150.584+/-0.146 χ^2/NDF:600971.8/49

All: 1146.555+/-0.104 χ^2/NDF: 986394.8/94



Right In: -357.154+/-197.764 χ^2/NDF: 32.7/21

Left Out: -535.899+/-130.646 χ^2/NDF:61.6/23

Right Out: 344.538+/-195.786 χ^2/NDF: 27.9/25

Left In: 85.254+/-130.966 χ^2/NDF:17.1/22

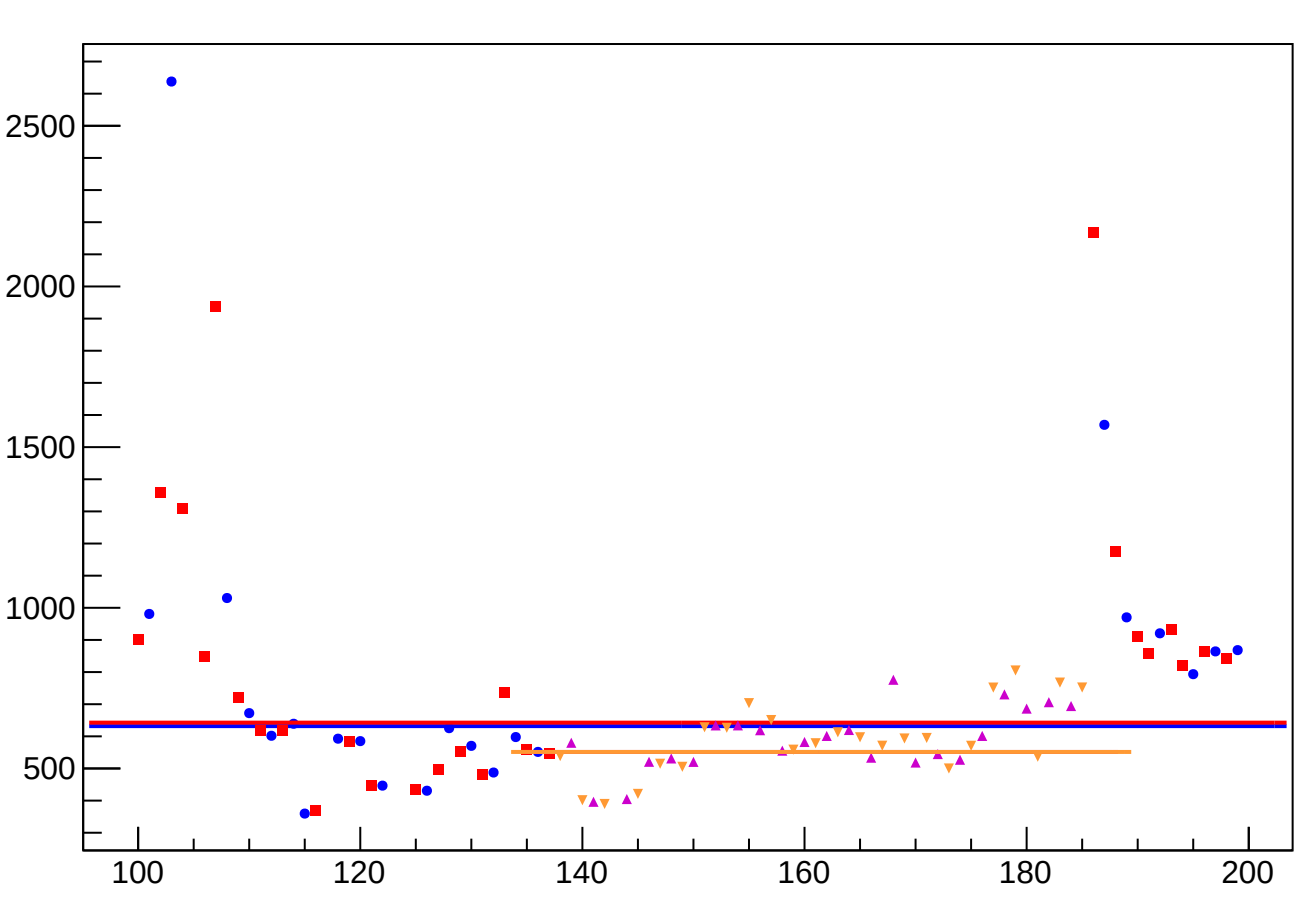
Left: -226.082+/-92.494 χ^2/NDF: 90.0/46

Right: -2.781+/-139.136 χ^2/NDF: 67.0/47

In: -49.617+/-109.193 χ^2/NDF:53.3/44

Out: -264.644+/-108.673 χ^2/NDF:103.5/49

All: -157.644+/-77.027 χ^2/NDF: 158.8/94



Right In: 631.805+/-0.140 χ^2/NDF: 2237427.1/21

Left Out: 551.440+/-0.092 χ^2/NDF:1226616.4/23

Right Out: 642.634+/-0.138 χ^2/NDF: 2910483.3/25

Left In: 551.336+/-0.093 χ^2/NDF:1061764.2/22

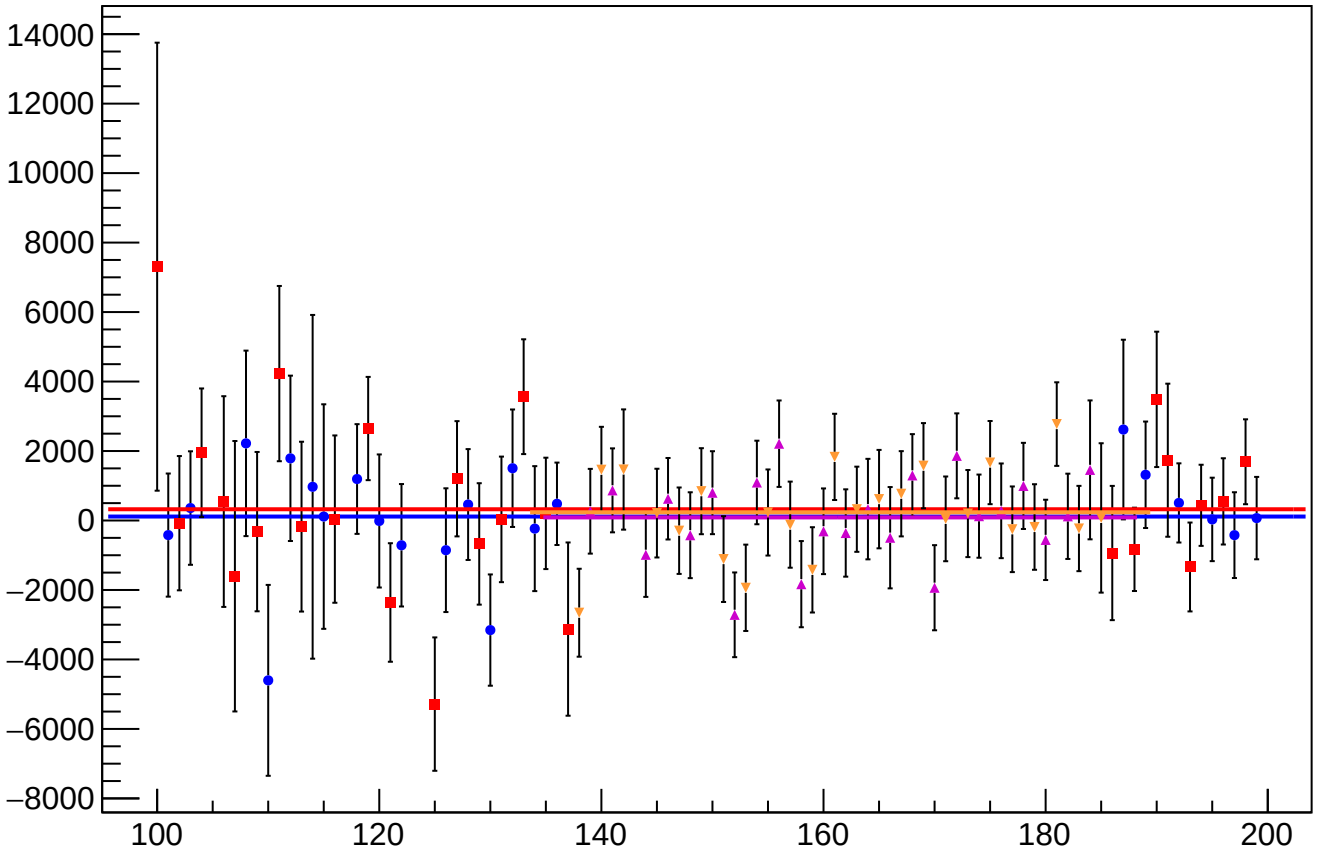
Left: 551.388+/-0.065 χ^2/NDF: 2288381.2/46

Right: 637.274+/-0.098 χ^2/NDF: 5150938.7/47

In: 575.868+/-0.077 χ^2/NDF:3529368.7/44

Out: 579.536+/-0.077 χ^2/NDF:4437324.3/49

All: 577.710+/-0.054 χ^2/NDF: 7967827.0/94



Right In: 113.794+/-350.336 χ^2/NDF: 12.1/21

Left Out: 236.642+/-259.669 χ^2/NDF:22.7/23

Right Out: 323.830+/-342.562 χ^2/NDF: 32.0/25

Left In: 88.370+/-261.602 χ^2/NDF:20.9/22

Left: 163.056+/-184.293 χ^2/NDF: 43.8/46

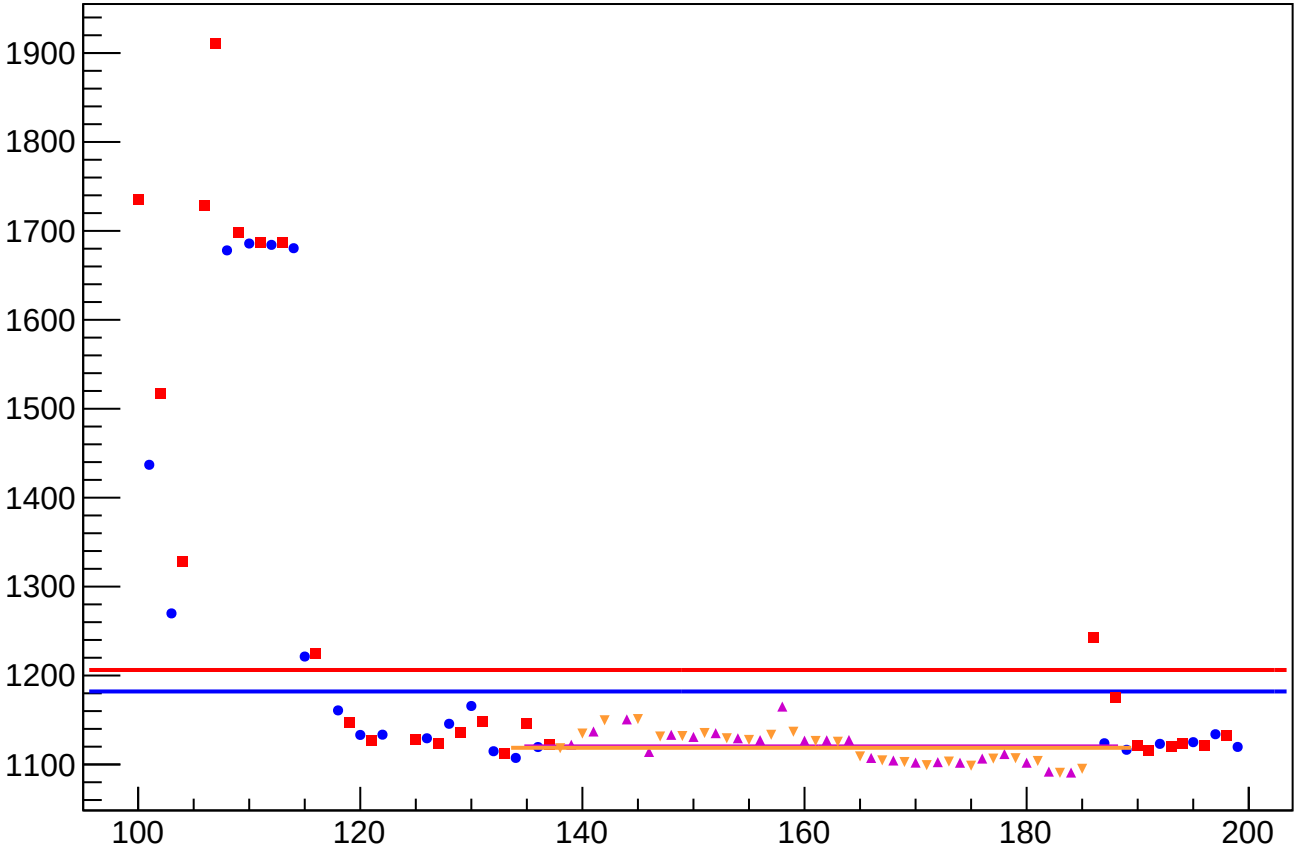
Right: 221.168+/-244.930 χ^2/NDF: 44.3/47

In: 97.471+/-209.611 χ^2/NDF:33.0/44

Out: 268.459+/-206.936 χ^2/NDF:54.8/49

All: 184.063+/-147.263 χ^2/NDF: 88.1/94

cor_asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1182.077+/-0.248 χ^2/NDF: 334490.7/21

Left Out: 1118.733+/-0.184 χ^2/NDF:8205.0/23

Right Out: 1206.223+/-0.242 χ^2/NDF: 518066.0/25

Left In: 1120.308+/-0.185 χ^2/NDF:9479.7/22

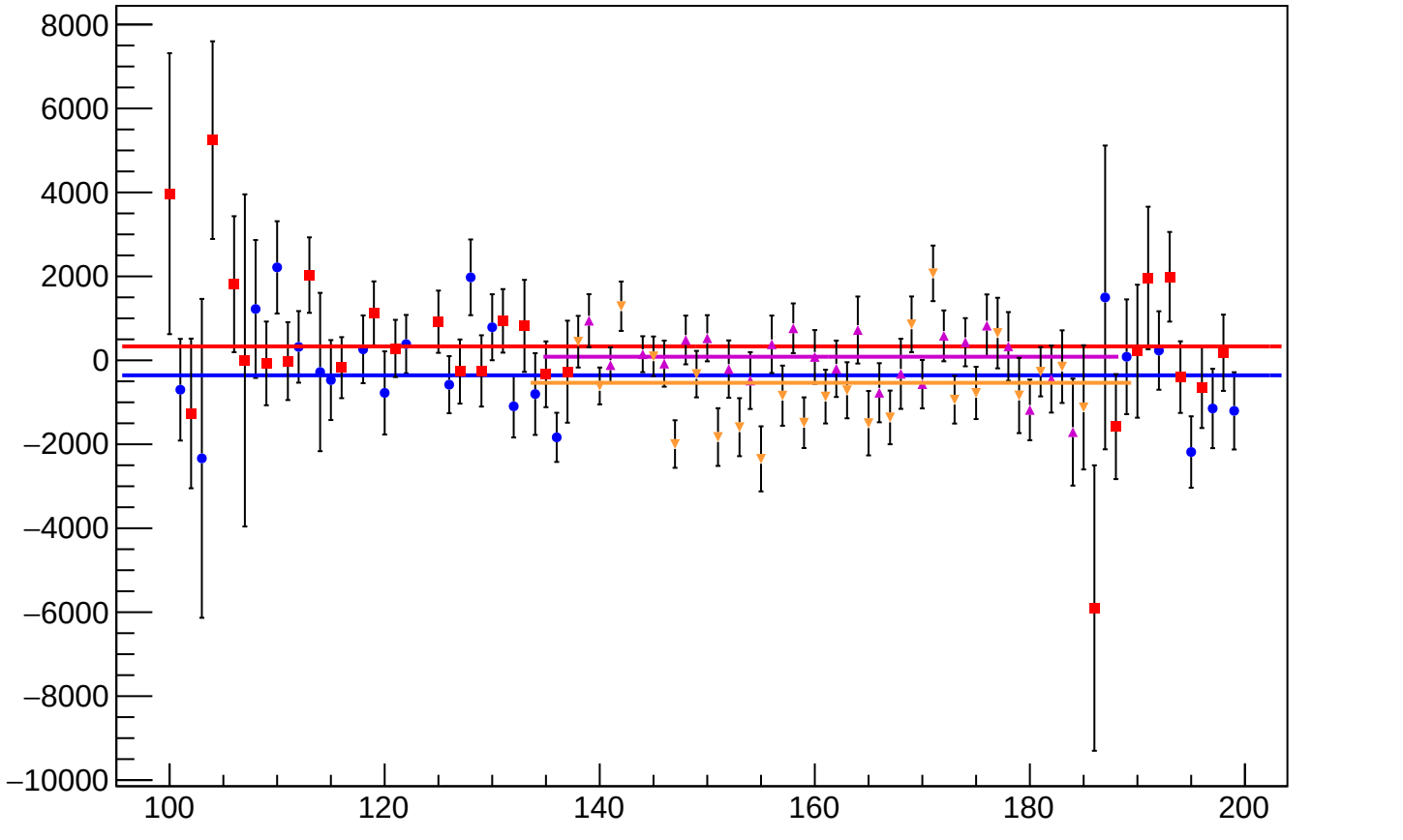
Left: 1119.515+/-0.130 χ^2/NDF: 17721.2/46

Right: 1194.421+/-0.173 χ^2/NDF: 857413.7/47

In: 1142.421+/-0.148 χ^2/NDF:383886.6/44

Out: 1150.660+/-0.146 χ^2/NDF:609122.7/49

All: 1146.593+/-0.104 χ^2/NDF: 994574.2/94



Right In: -357.132+/-197.763 χ^2/NDF: 32.7/21

Left Out: -535.930+/-130.646 χ^2/NDF:61.6/23

Right Out: 331.983+/-196.018 χ^2/NDF: 27.0/25

Left In: 85.243+/-130.966 χ^2/NDF:17.1/22

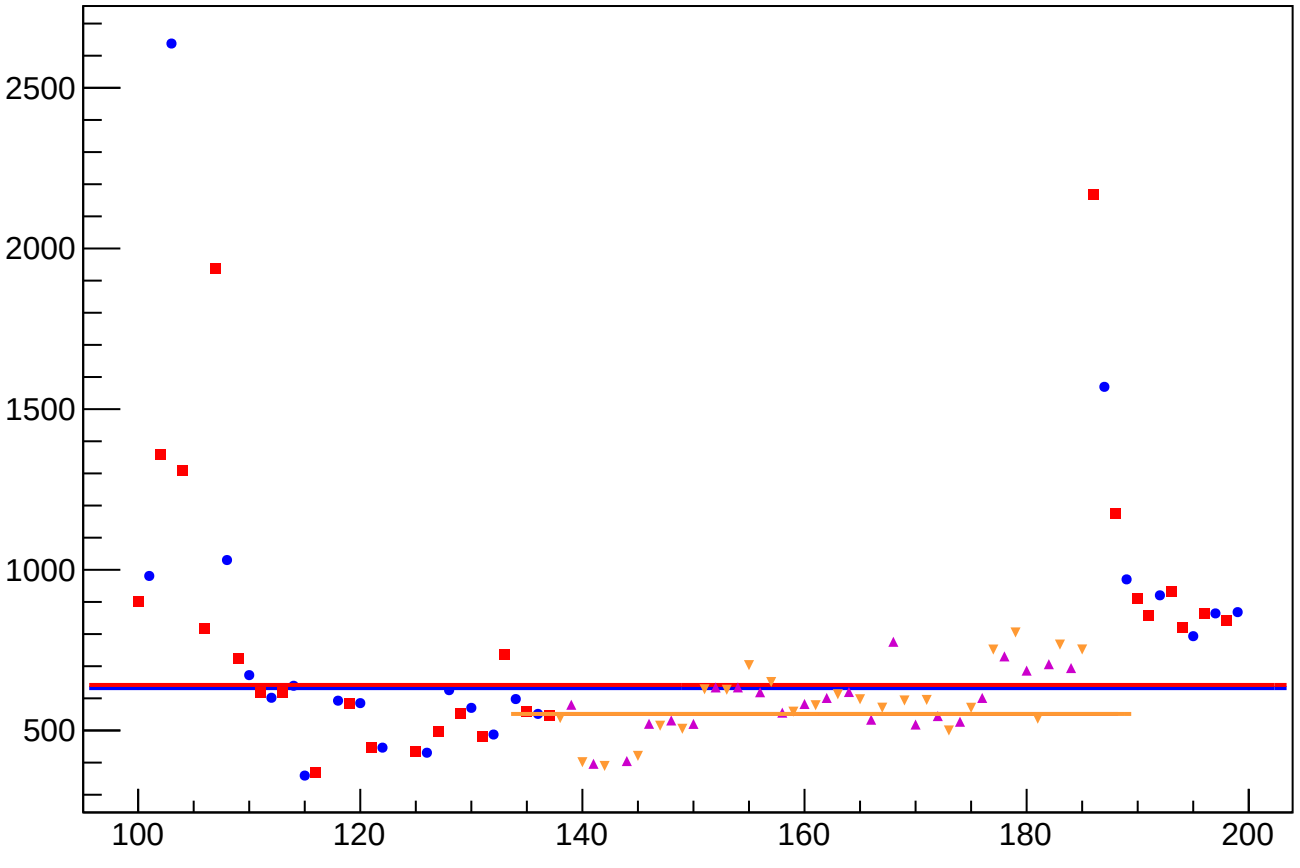
Left: -226.102+/-92.493 χ^2/NDF: 90.0/46

Right: -9.522+/-139.219 χ^2/NDF: 65.8/47

In: -49.619+/-109.193 χ^2/NDF:53.4/44

Out: -268.973+/-108.712 χ^2/NDF:102.1/49

All: -159.779+/-77.041 χ^2/NDF: 157.5/94



Right In: 631.800+/-0.140 χ^2/NDF: 2237423.6/21

Left Out: 551.439+/-0.092 χ^2/NDF:1226632.2/23

Right Out: 641.685+/-0.139 χ^2/NDF: 2896535.6/25

Left In: 551.335+/-0.093 χ^2/NDF:1061731.9/22

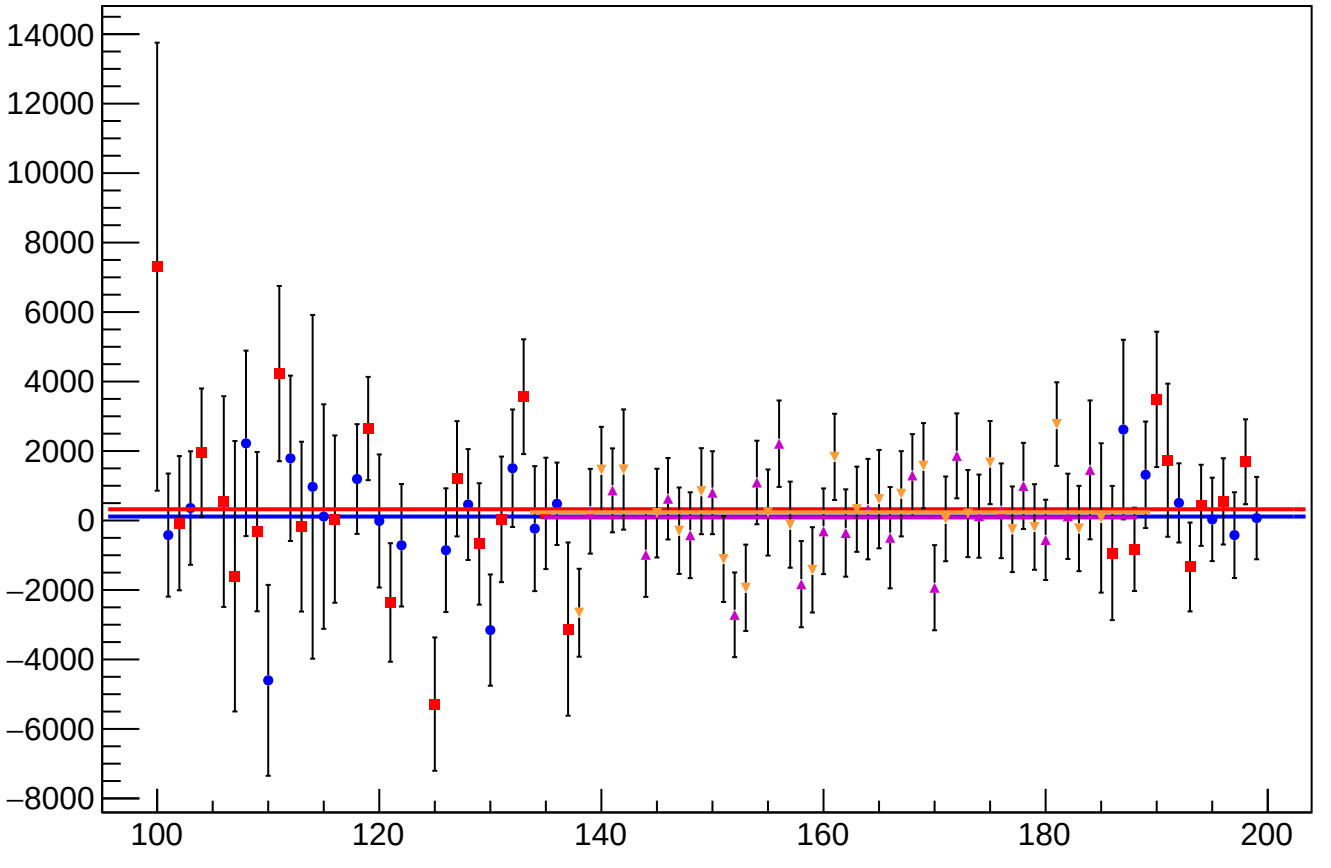
Left: 551.388+/-0.065 χ^2/NDF: 2288364.7/46

Right: 636.787+/-0.098 χ^2/NDF: 5136479.9/47

In: 575.866+/-0.077 χ^2/NDF:3529312.9/44

Out: 579.198+/-0.077 χ^2/NDF:4416702.5/49

All: 577.539+/-0.054 χ^2/NDF: 7946950.6/94



Right In: 113.794+/-350.336 χ^2/NDF: 12.1/21

Left Out: 236.642+/-259.669 χ^2/NDF:22.7/23

Right Out: 323.830+/-342.562 χ^2/NDF: 32.0/25

Left In: 88.370+/-261.602 χ^2/NDF:20.9/22

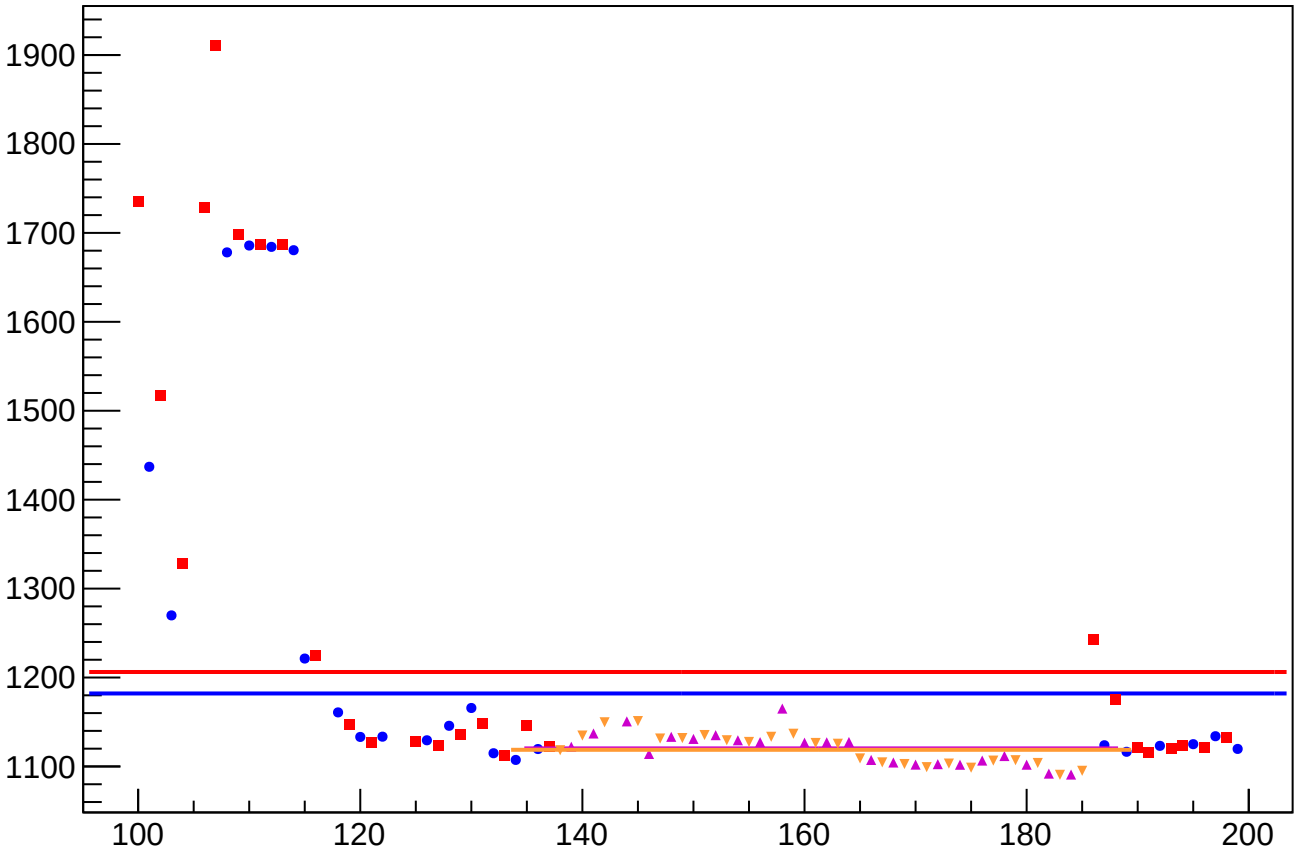
Left: 163.056+/-184.293 χ^2/NDF: 43.8/46

Right: 221.168+/-244.930 χ^2/NDF: 44.3/47

In: 97.471+/-209.611 χ^2/NDF:33.0/44

Out: 268.459+/-206.936 χ^2/NDF:54.8/49

All: 184.063+/-147.263 χ^2/NDF: 88.1/94



Right In: 1182.077+/-0.248 χ^2/NDF: 334490.7/21

Left Out: 1118.733+/-0.184 χ^2/NDF:8205.0/23

Right Out: 1206.223+/-0.242 χ^2/NDF: 518066.0/25

Left In: 1120.308+/-0.185 χ^2/NDF:9479.7/22

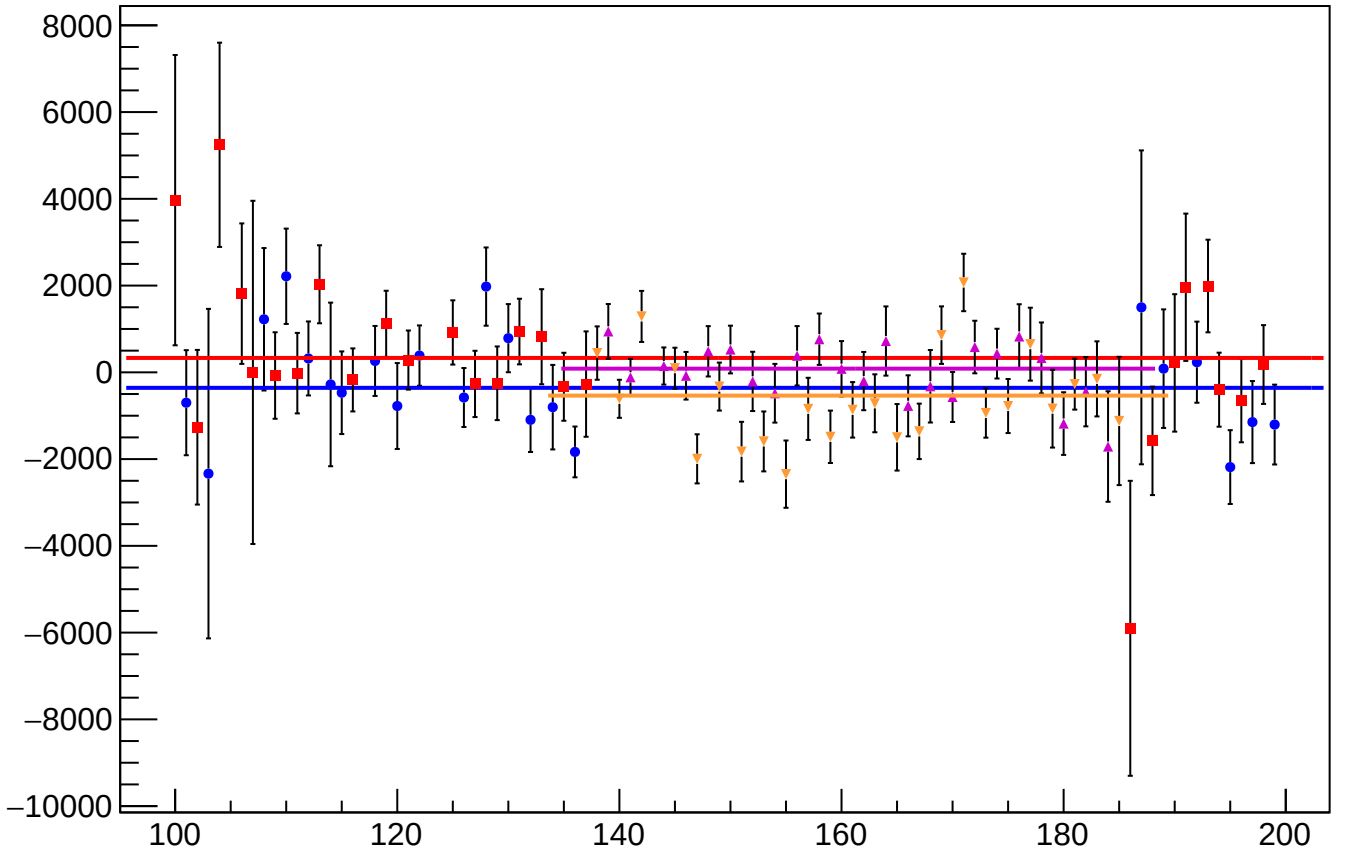
Left: 1119.515+/-0.130 χ^2/NDF: 17721.2/46

Right: 1194.421+/-0.173 χ^2/NDF: 857413.7/47

In: 1142.421+/-0.148 χ^2/NDF:383886.6/44

Out: 1150.660+/-0.146 χ^2/NDF:609122.7/49

All: 1146.593+/-0.104 χ^2/NDF: 994574.2/94



Right In: -357.132+/-197.763 χ^2/NDF: 32.7/21

Left Out: -535.930+/-130.646 χ^2/NDF:61.6/23

Right Out: 331.983+/-196.018 χ^2/NDF: 27.0/25

Left In: 85.243+/-130.966 χ^2/NDF:17.1/22

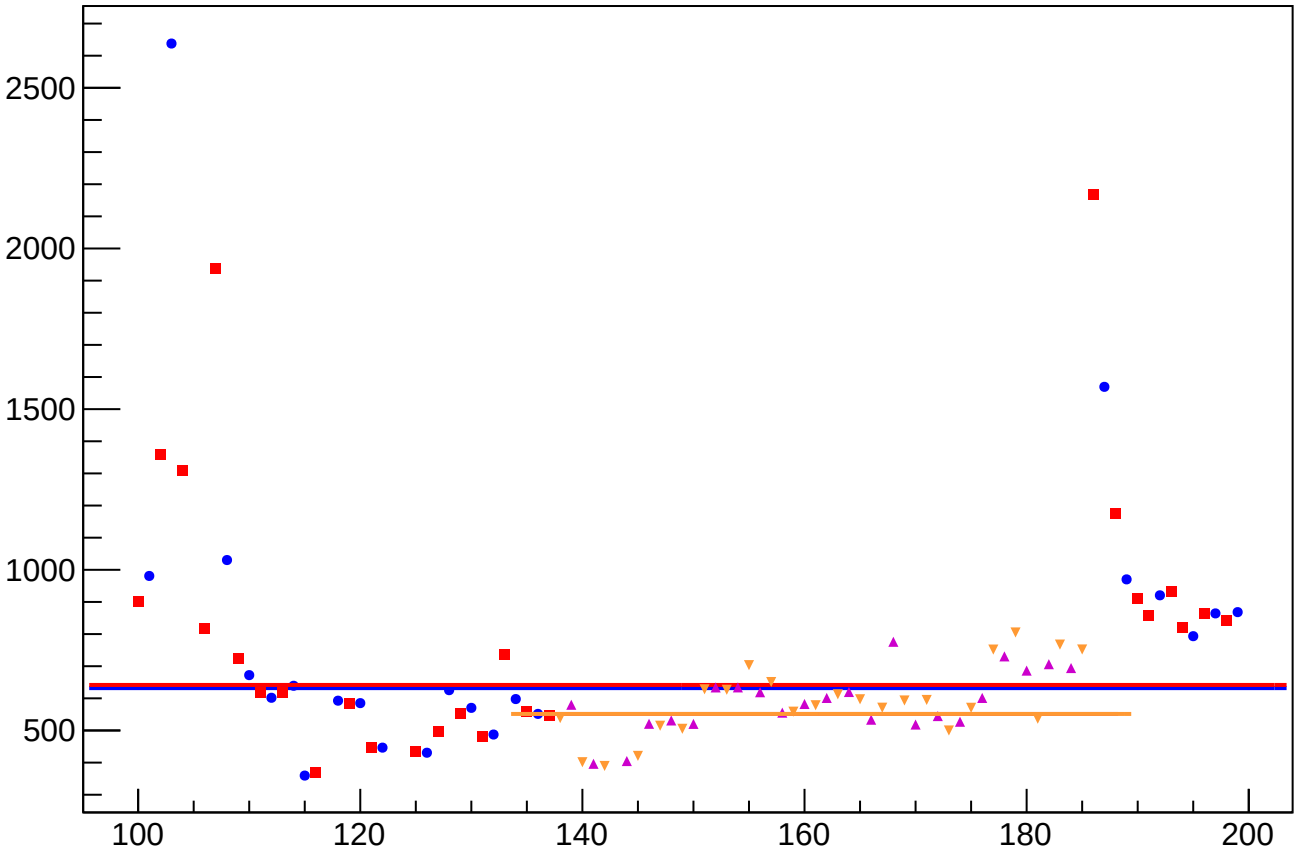
Left: -226.102+/-92.493 χ^2/NDF: 90.0/46

Right: -9.522+/-139.219 χ^2/NDF: 65.8/47

In: -49.619+/-109.193 χ^2/NDF:53.4/44

Out: -268.973+/-108.712 χ^2/NDF:102.1/49

All: -159.779+/-77.041 χ^2/NDF: 157.5/94



Right In: 631.800+/-0.140 χ^2/NDF: 2237423.6/21

Left Out: 551.439+/-0.092 χ^2/NDF:1226632.2/23

Right Out: 641.685+/-0.139 χ^2/NDF: 2896535.6/25

Left In: 551.335+/-0.093 χ^2/NDF:1061731.9/22

Left: 551.388+/-0.065 χ^2/NDF: 2288364.7/46

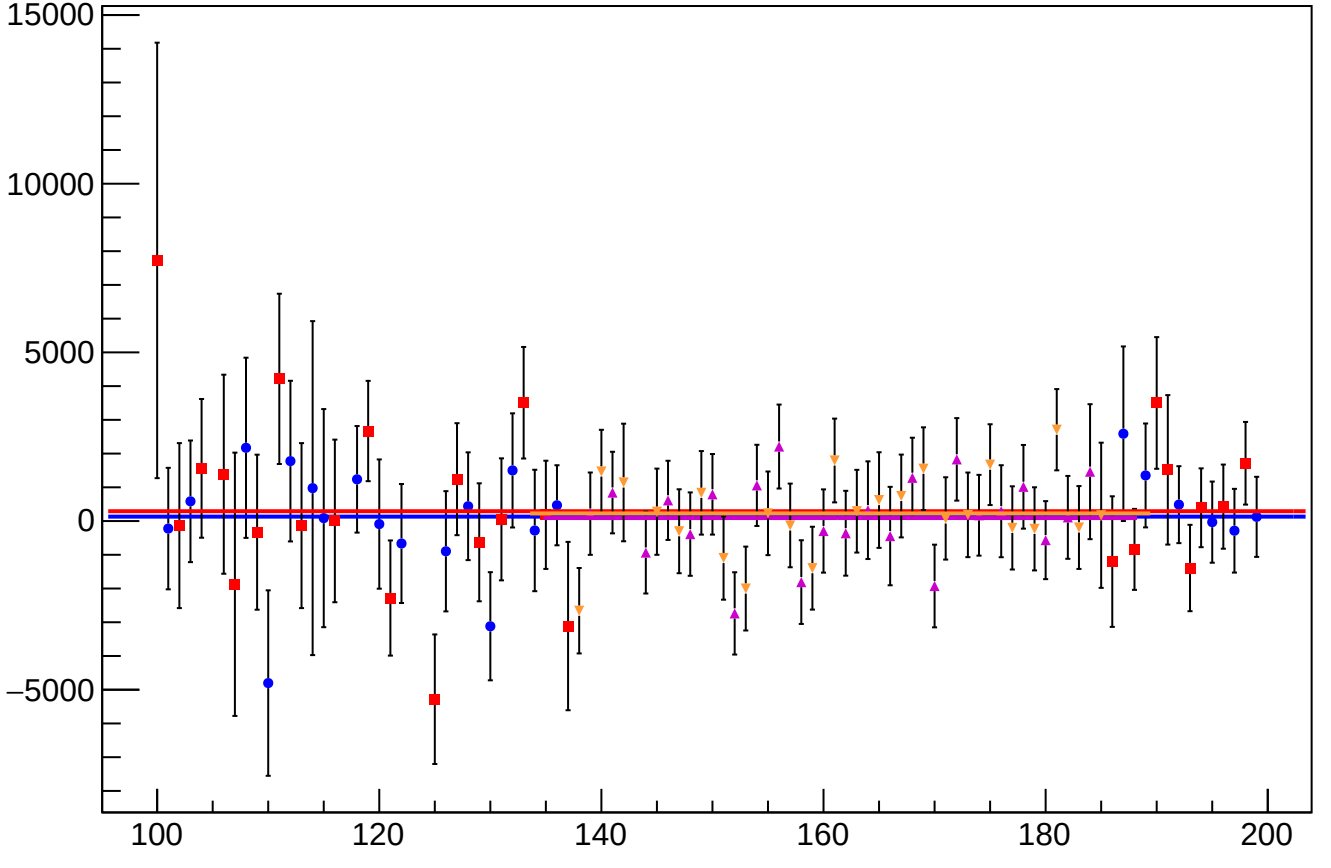
Right: 636.787+/-0.098 χ^2/NDF: 5136479.9/47

In: 575.866+/-0.077 χ^2/NDF:3529312.9/44

Out: 579.198+/-0.077 χ^2/NDF:4416702.5/49

All: 577.539+/-0.054 χ^2/NDF: 7946950.6/94

dit_asym_usl_atl1_dd_mean vs Slug, Sign Corrected



Right In: 131.191+/-352.446 χ^2/NDF: 12.1/21

Left Out: 225.663+/-259.829 χ^2/NDF:22.2/23

Right Out: 291.147+/-346.053 χ^2/NDF: 31.8/25

Left In: 89.078+/-261.717 χ^2/NDF:20.6/22

Left: 157.865+/-184.391 χ^2/NDF: 42.9/46

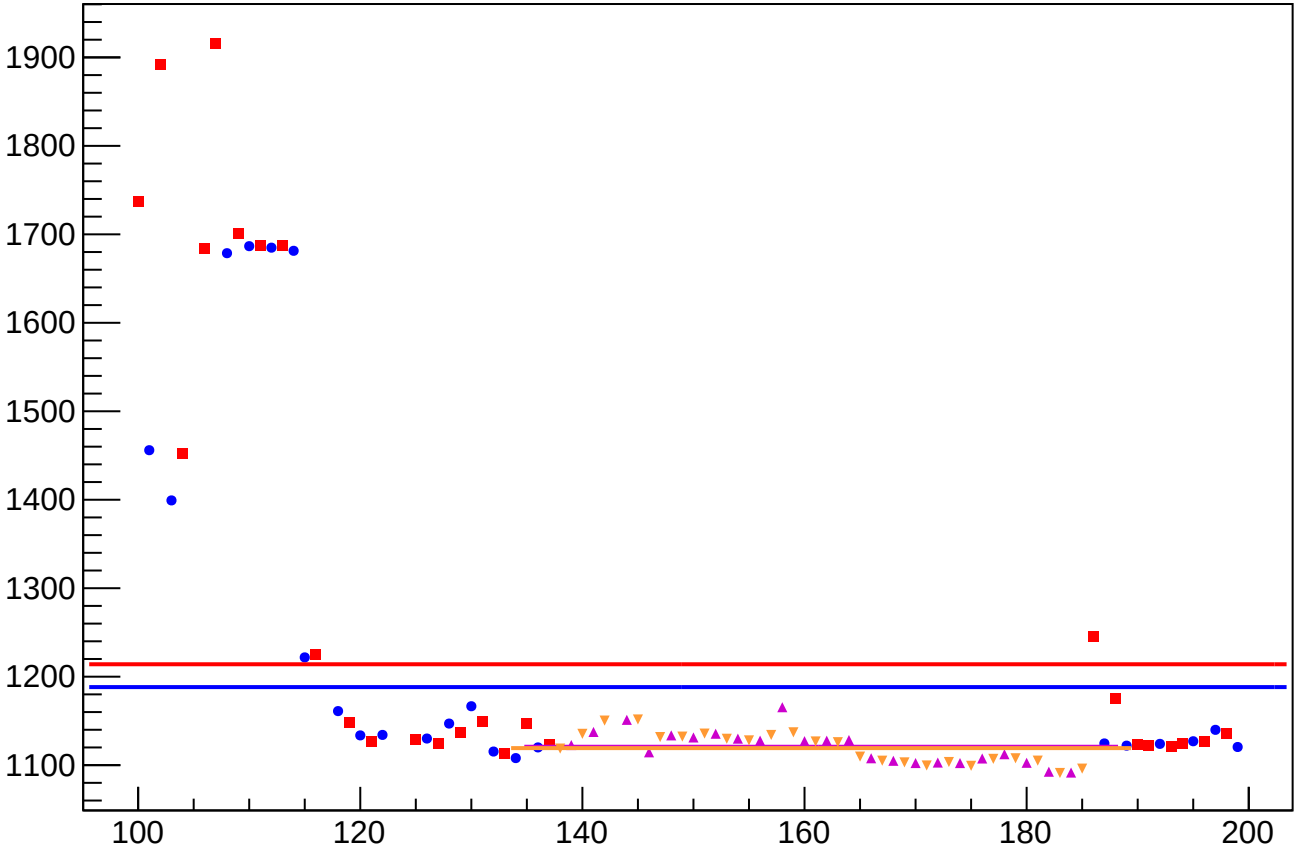
Right: 212.633+/-246.926 χ^2/NDF: 44.1/47

In: 104.047+/-210.120 χ^2/NDF:32.7/44

Out: 249.271+/-207.780 χ^2/NDF:54.1/49

All: 177.472+/-147.743 χ^2/NDF: 87.0/94

dit_asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1188.231+/-0.249 χ^2/NDF: 360079.7/21

Left Out: 1119.258+/-0.184 χ^2/NDF:8143.3/23

Right Out: 1214.040+/-0.245 χ^2/NDF: 634141.1/25

Left In: 1120.800+/-0.185 χ^2/NDF:9426.5/22

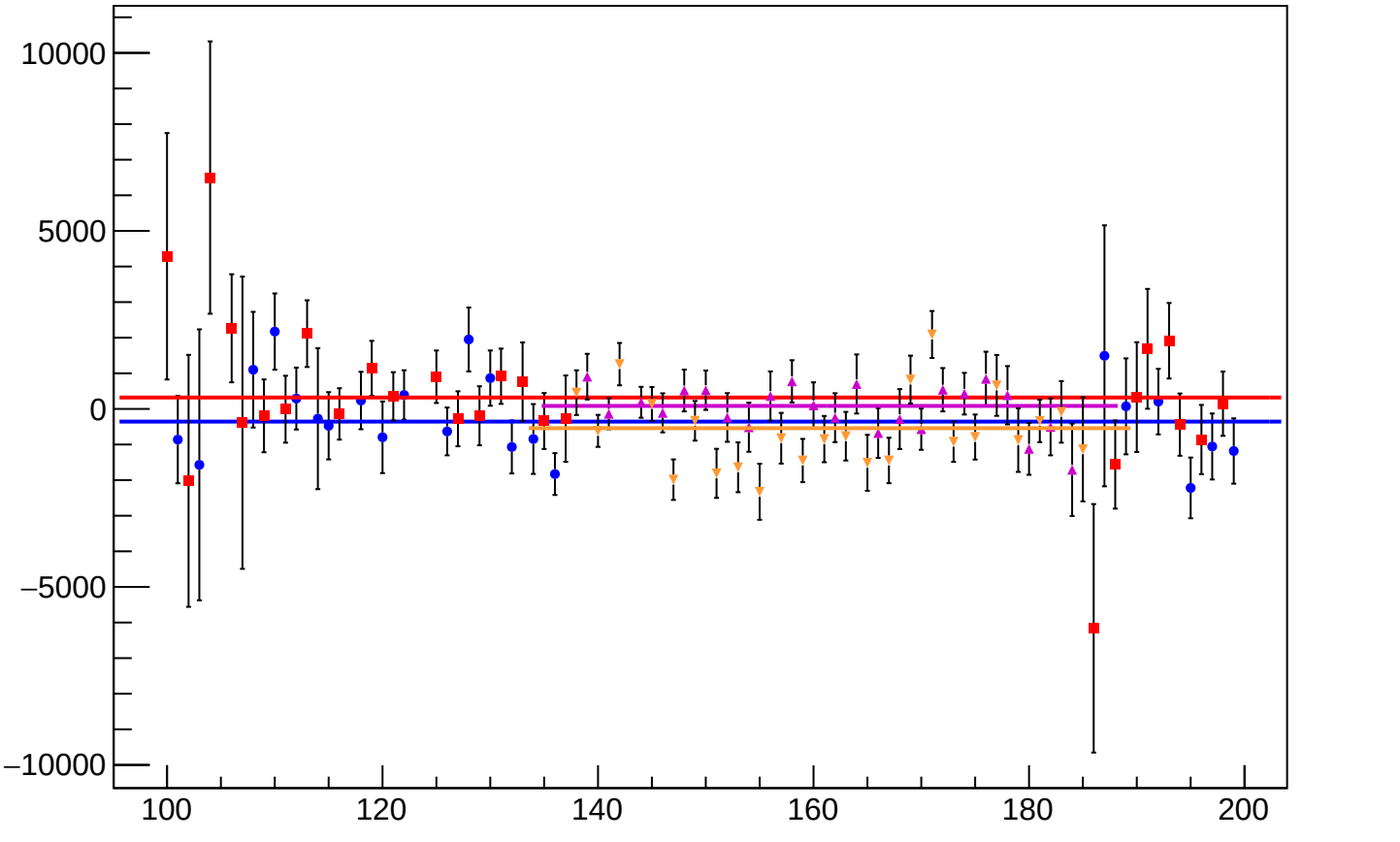
Left: 1120.024+/-0.130 χ^2/NDF: 17604.8/46

Right: 1201.372+/-0.175 χ^2/NDF: 999681.6/47

In: 1144.767+/-0.149 χ^2/NDF:416693.9/44

Out: 1153.428+/-0.147 χ^2/NDF:738231.3/49

All: 1149.146+/-0.104 χ^2/NDF: 1156643.4/94



Right In: -356.292+/-197.322 χ^2/NDF: 32.7/21

Left Out: -541.592+/-132.012 χ^2/NDF:60.9/23

Right Out: 320.540+/-198.163 χ^2/NDF: 25.9/25

Left In: 84.122+/-132.548 χ^2/NDF:16.4/22

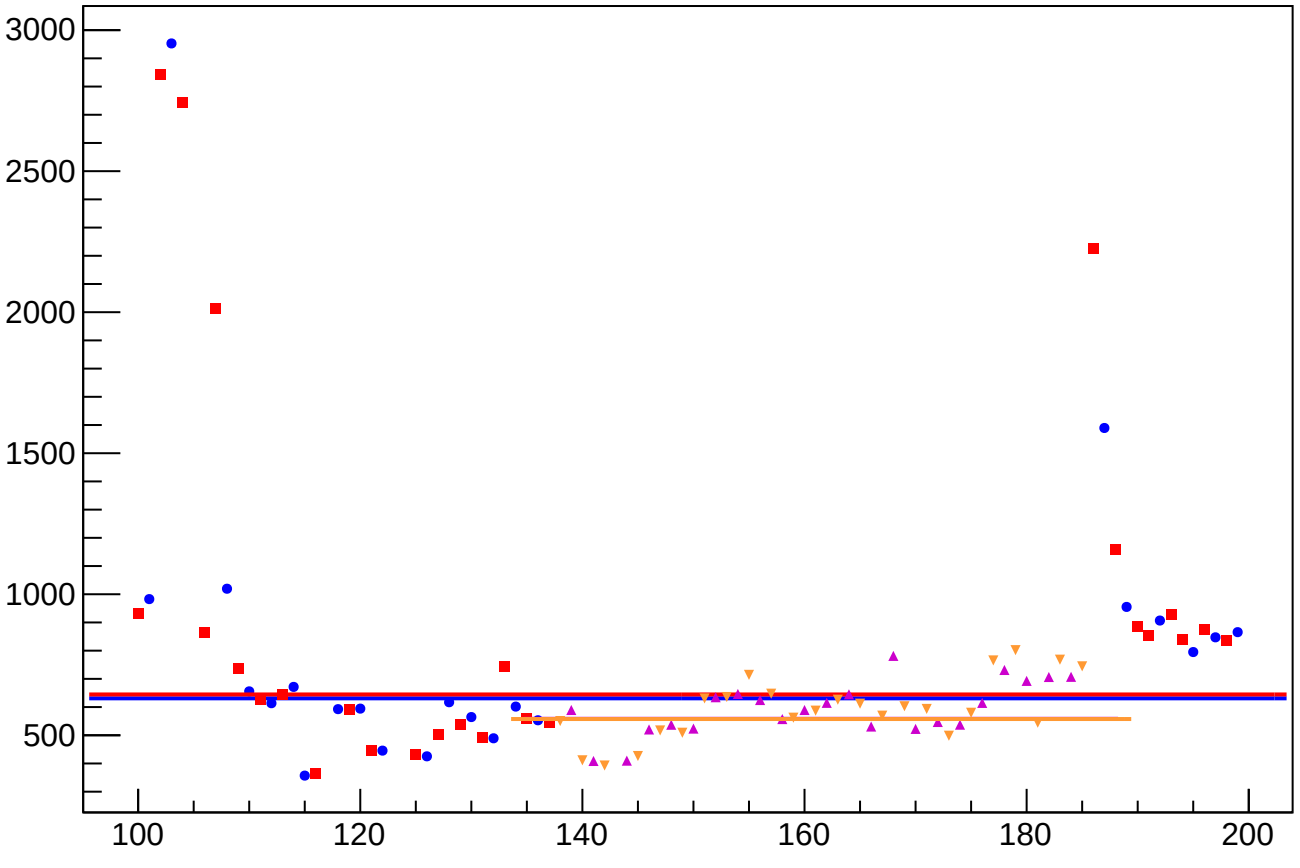
Left: -230.004+/-93.535 χ^2/NDF: 88.5/46

Right: -19.315+/-139.824 χ^2/NDF: 64.4/47

In: -52.815+/-110.029 χ^2/NDF:52.5/44

Out: -276.591+/-109.865 χ^2/NDF:99.9/49

All: -164.870+/-77.744 χ^2/NDF: 154.5/94



Right In: 630.938+/-0.140 χ^2/NDF: 2402088.8/21

Left Out: 557.592+/-0.093 χ^2/NDF:1193270.2/23

Right Out: 644.711+/-0.140 χ^2/NDF: 3822915.8/25

Left In: 558.393+/-0.094 χ^2/NDF:1027814.4/22

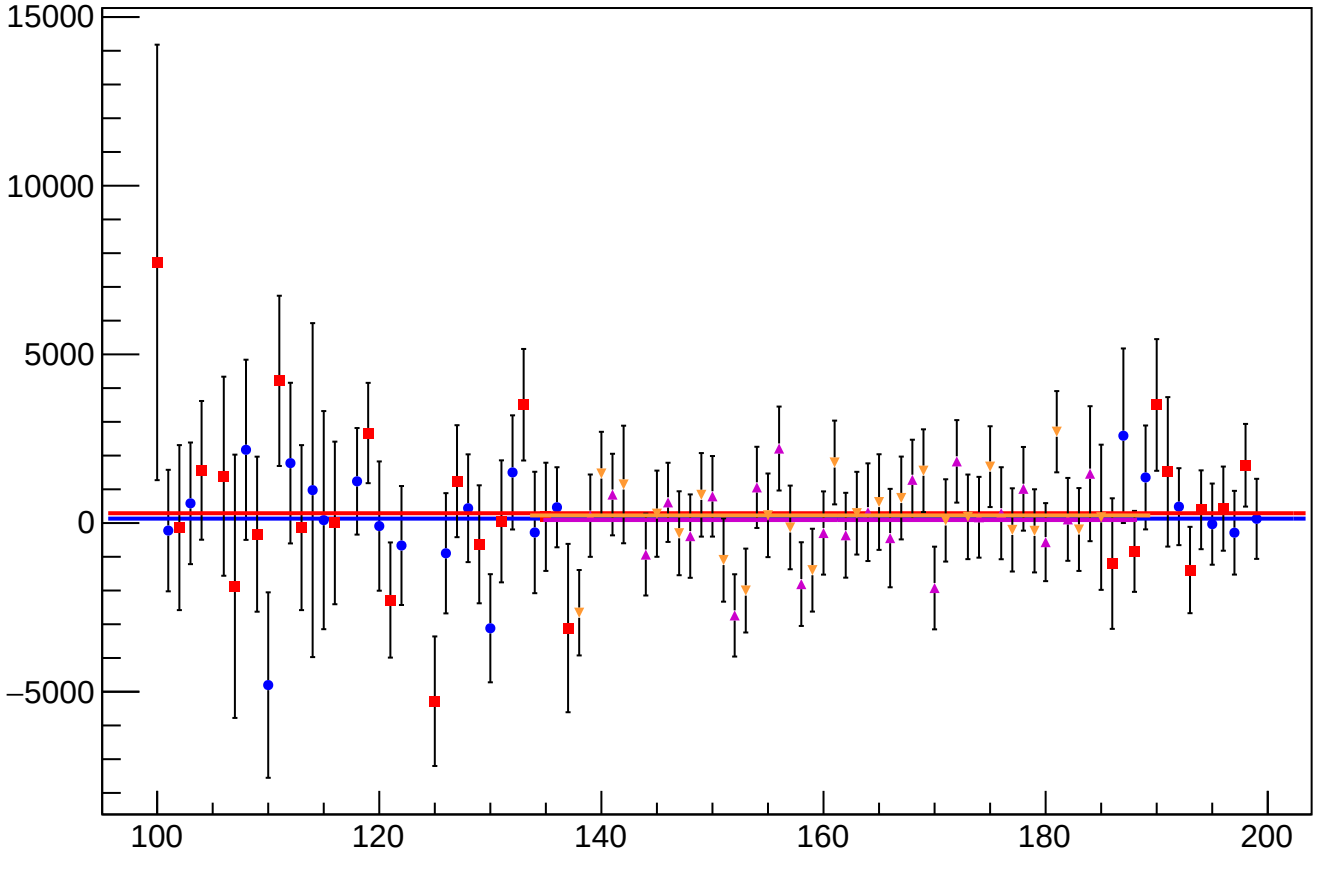
Left: 557.991+/-0.066 χ^2/NDF: 2221121.2/46

Right: 637.795+/-0.099 χ^2/NDF: 6229856.4/47

In: 580.949+/-0.078 χ^2/NDF:3616178.3/44

Out: 584.370+/-0.078 χ^2/NDF:5283925.7/49

All: 582.662+/-0.055 χ^2/NDF: 8901072.3/94



Right In: 131.192+/-352.446 χ^2/NDF: 12.1/21

Left Out: 225.661+/-259.829 χ^2/NDF:22.2/23

Right Out: 291.147+/-346.053 χ^2/NDF: 31.8/25

Left In: 89.079+/-261.717 χ^2/NDF:20.6/22

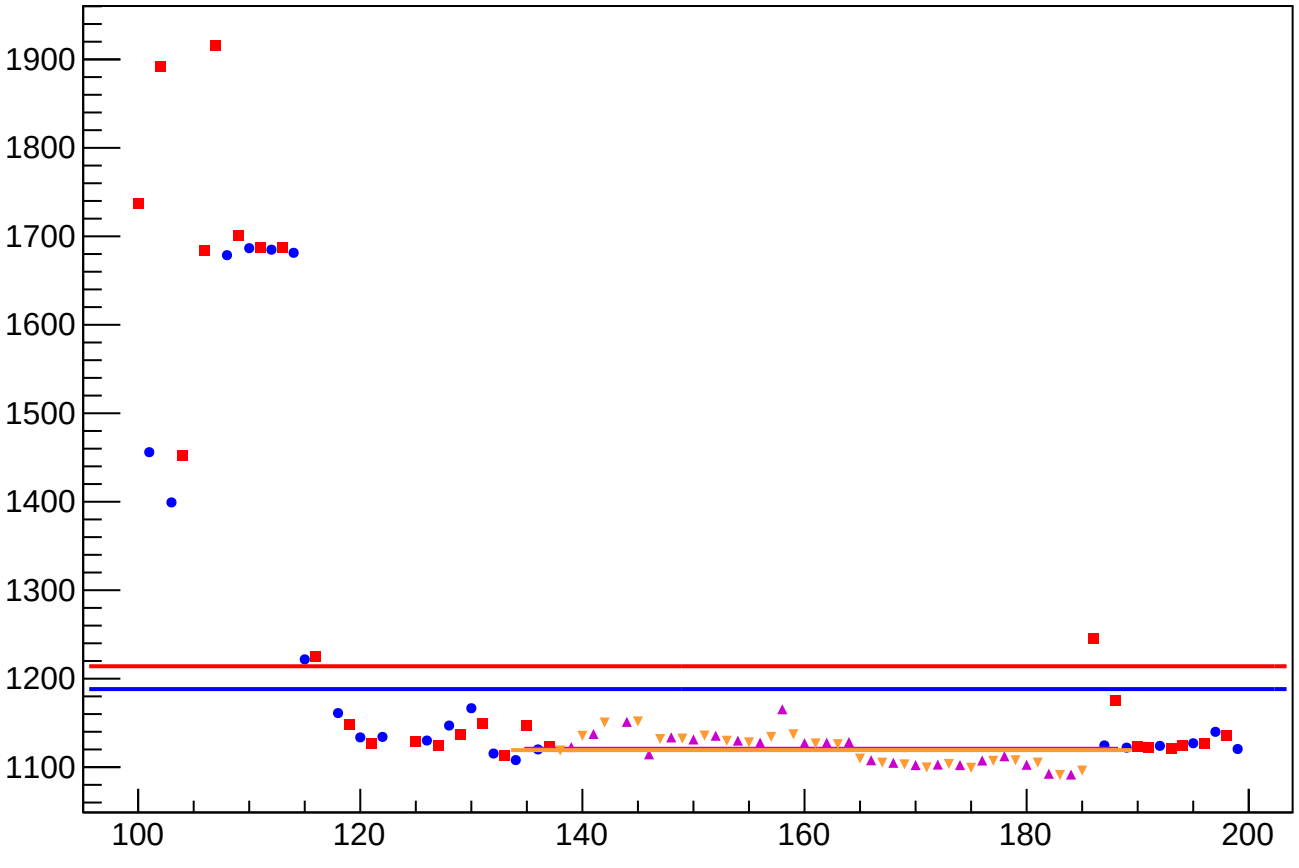
Left: 157.864+/-184.391 χ^2/NDF: 42.9/46

Right: 212.633+/-246.926 χ^2/NDF: 44.1/47

In: 104.047+/-210.120 χ^2/NDF:32.7/44

Out: 249.270+/-207.780 χ^2/NDF:54.1/49

All: 177.472+/-147.743 χ^2/NDF: 87.0/94



Right In: 1188.231+/-0.249 χ^2/NDF: 360079.3/21

Left Out: 1119.258+/-0.184 χ^2/NDF:8143.3/23

Right Out: 1214.040+/-0.245 χ^2/NDF: 634140.4/25

Left In: 1120.800+/-0.185 χ^2/NDF:9426.5/22

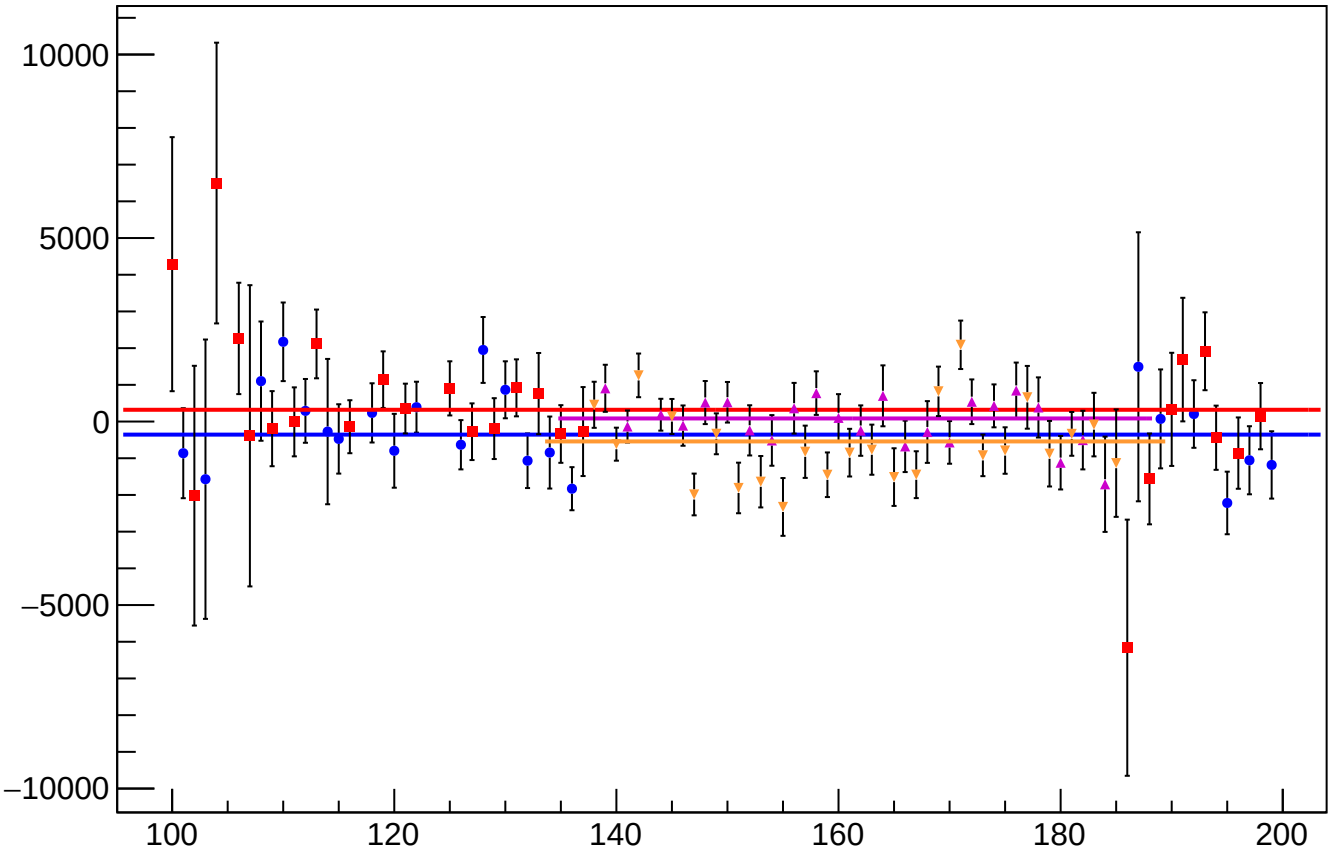
Left: 1120.024+/-0.130 χ^2/NDF: 17604.8/46

Right: 1201.372+/-0.175 χ^2/NDF: 999680.5/47

In: 1144.767+/-0.149 χ^2/NDF:416693.3/44

Out: 1153.428+/-0.147 χ^2/NDF:738230.6/49

All: 1149.146+/-0.104 χ^2/NDF: 1156642.2/94



Right In: -356.292+/-197.322 χ^2/NDF: 32.7/21

Left Out: -541.591+/-132.012 χ^2/NDF:60.9/23

Right Out: 320.540+/-198.163 χ^2/NDF: 25.9/25

Left In: 84.122+/-132.548 χ^2/NDF:16.4/22

Left: -230.004+/-93.535 χ^2/NDF: 88.5/46

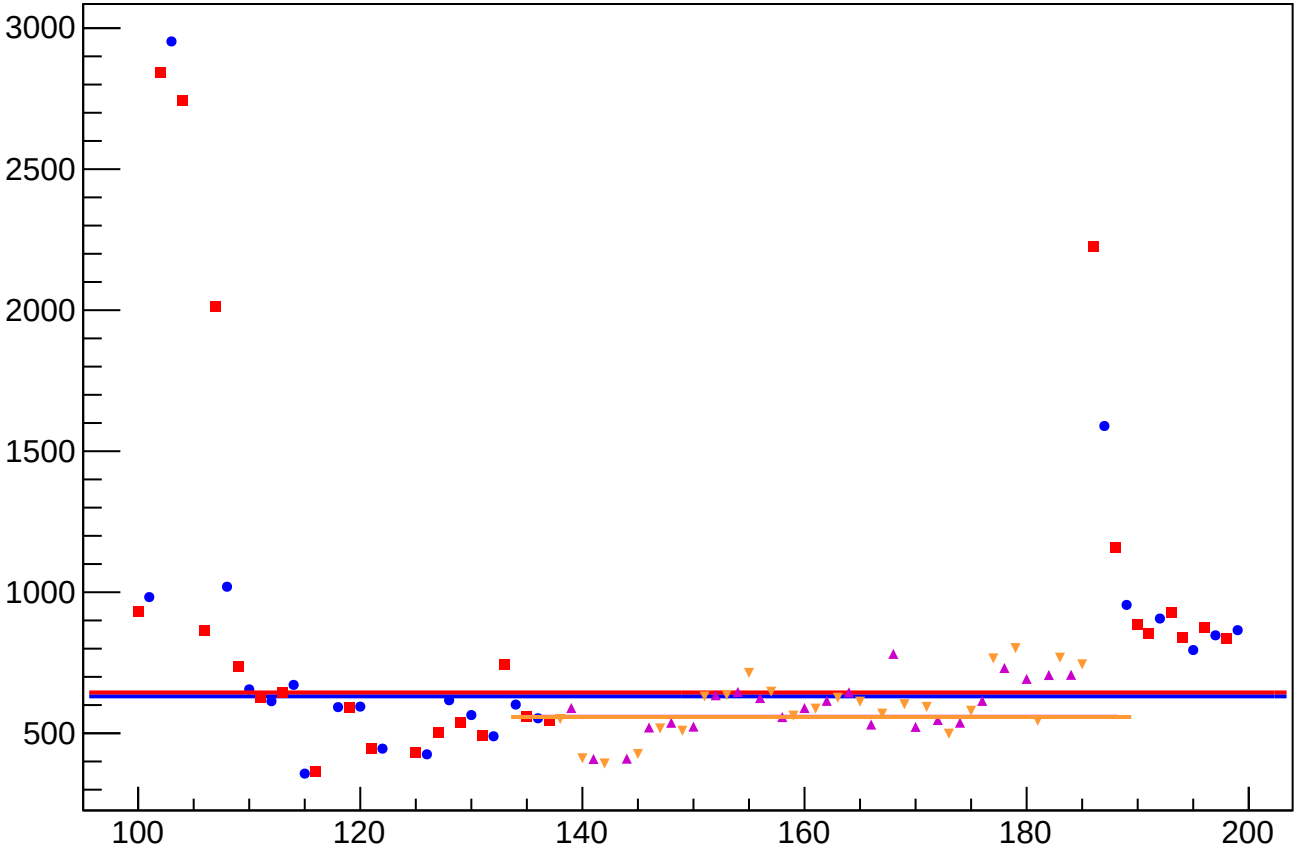
Right: -19.315+/-139.824 χ^2/NDF: 64.4/47

In: -52.815+/-110.029 χ^2/NDF:52.5/44

Out: -276.590+/-109.865 χ^2/NDF:99.9/49

All: -164.869+/-77.744 χ^2/NDF: 154.5/94

asym_usl_atl1_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 630.938+/-0.140 χ^2/NDF: 2402084.5/21

Left Out: 557.591+/-0.093 χ^2/NDF:1193291.2/23

Right Out: 644.711+/-0.140 χ^2/NDF: 3822915.9/25

Left In: 558.392+/-0.094 χ^2/NDF:1027828.9/22

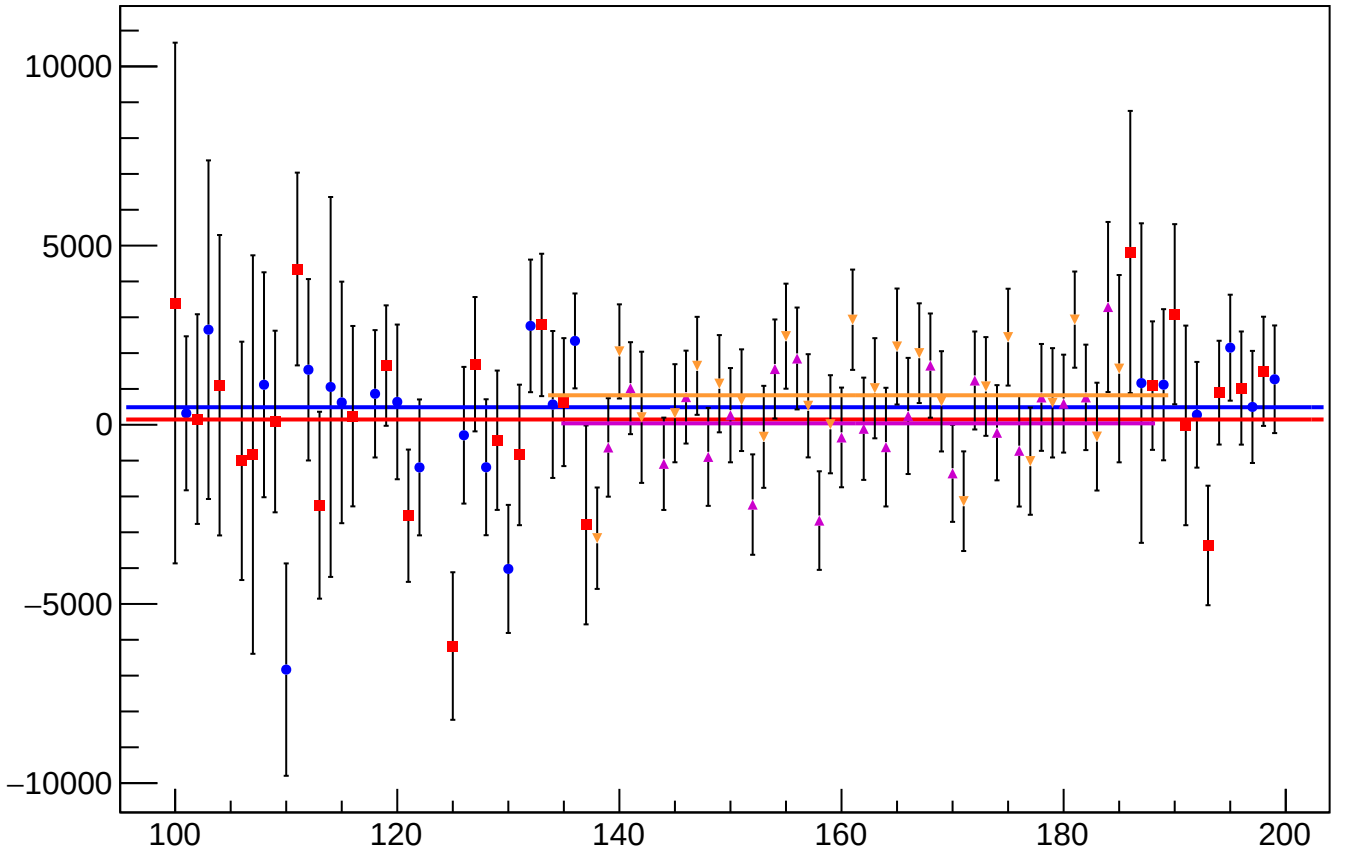
Left: 557.990+/-0.066 χ^2/NDF: 2221156.8/46

Right: 637.795+/-0.099 χ^2/NDF: 6229852.2/47

In: 580.949+/-0.078 χ^2/NDF:3616190.8/44

Out: 584.370+/-0.078 χ^2/NDF:5283950.5/49

All: 582.662+/-0.055 χ^2/NDF: 8901109.5/94



Right In: 489.693+/-423.471 χ^2/NDF: 19.8/21

Left Out: 823.319+/-294.835 χ^2/NDF:26.2/23

Right Out: 147.657+/-421.264 χ^2/NDF: 28.9/25

Left In: 39.696+/-296.006 χ^2/NDF:17.9/22

Left: 433.060+/-208.893 χ^2/NDF: 47.6/46

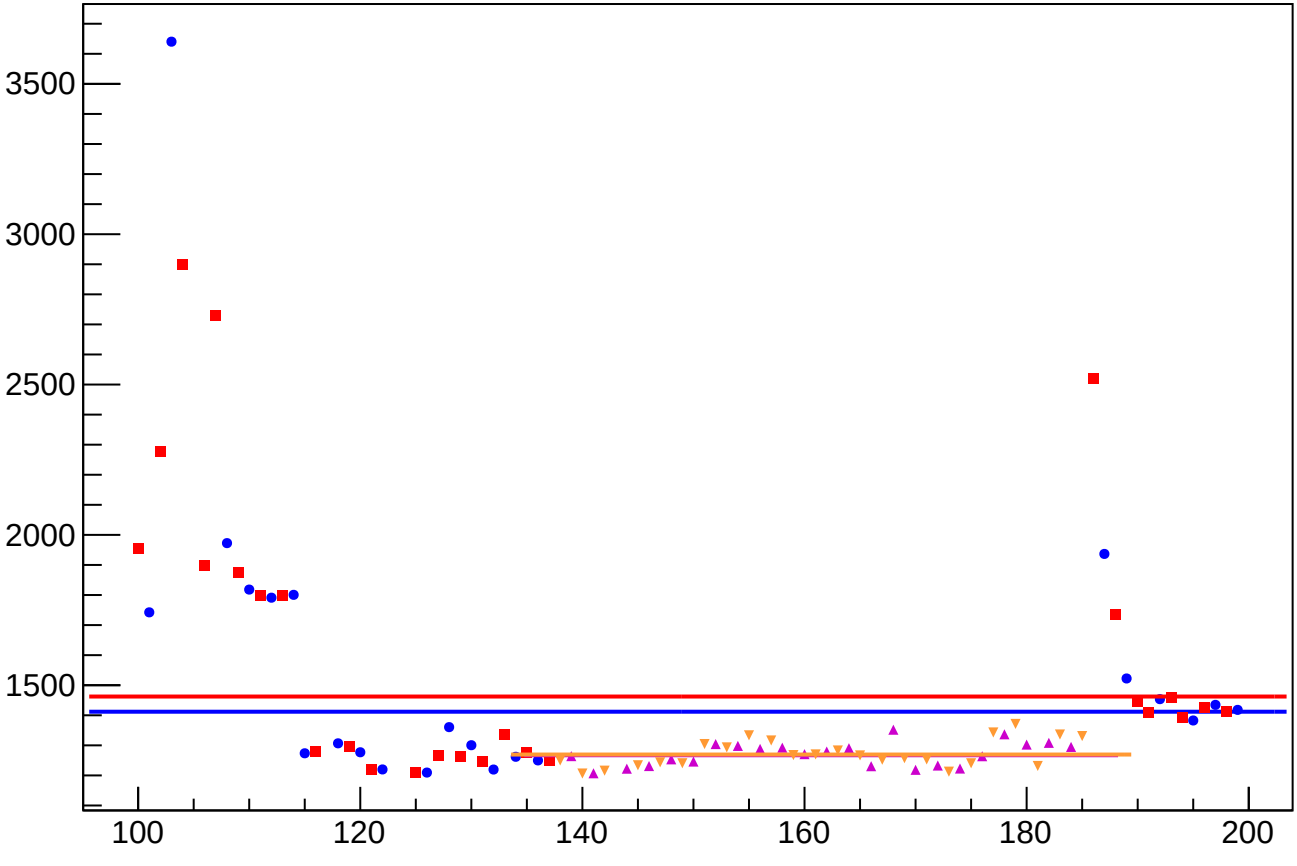
Right: 317.782+/-298.656 χ^2/NDF: 49.0/47

In: 187.397+/-242.611 χ^2/NDF:38.4/44

Out: 601.172+/-241.552 χ^2/NDF:56.8/49

All: 395.190+/-171.176 χ^2/NDF: 96.7/94

asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1411.875+/-0.299 χ^2/NDF: 817996.0/21

Left Out: 1269.441+/-0.208 χ^2/NDF:43040.3/23

Right Out: 1462.378+/-0.298 χ^2/NDF: 1057980.1/25

Left In: 1267.066+/-0.209 χ^2/NDF:34547.0/22

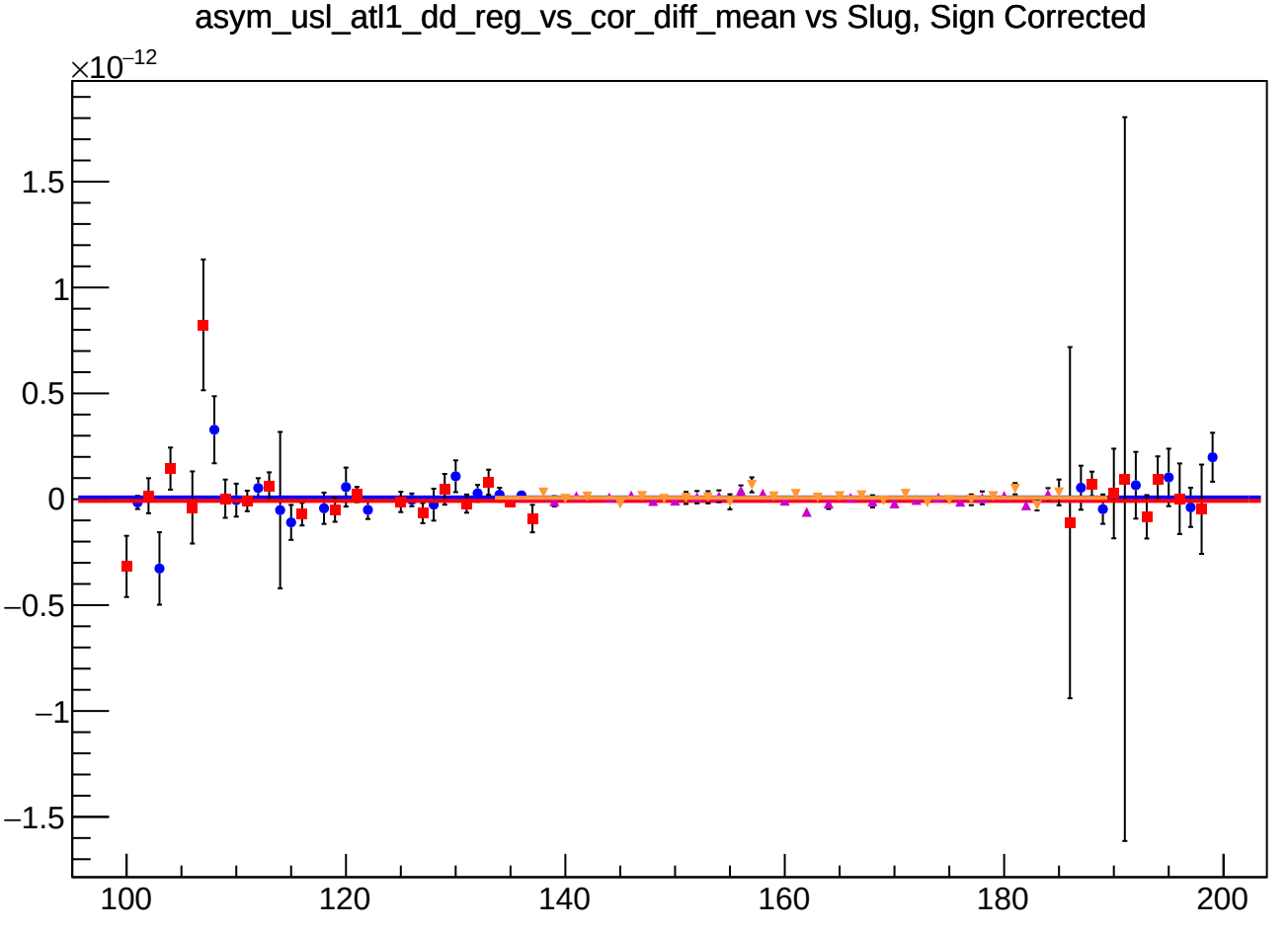
Left: 1268.258+/-0.148 χ^2/NDF: 77651.9/46

Right: 1437.259+/-0.211 χ^2/NDF: 1890273.2/47

In: 1314.596+/-0.172 χ^2/NDF:1009650.7/44

Out: 1332.876+/-0.171 χ^2/NDF:1382610.2/49

All: 1323.776+/-0.121 χ^2/NDF: 2397962.4/94



Right In: 0.000+/-0.000 χ^2/NDF: 21.3/21

Left Out: 0.000+/-0.000 χ^2/NDF:19.8/23

Right Out: -0.000+/-0.000 χ^2/NDF: 27.6/25

Left In: 0.000+/-0.000 χ^2/NDF:23.0/22

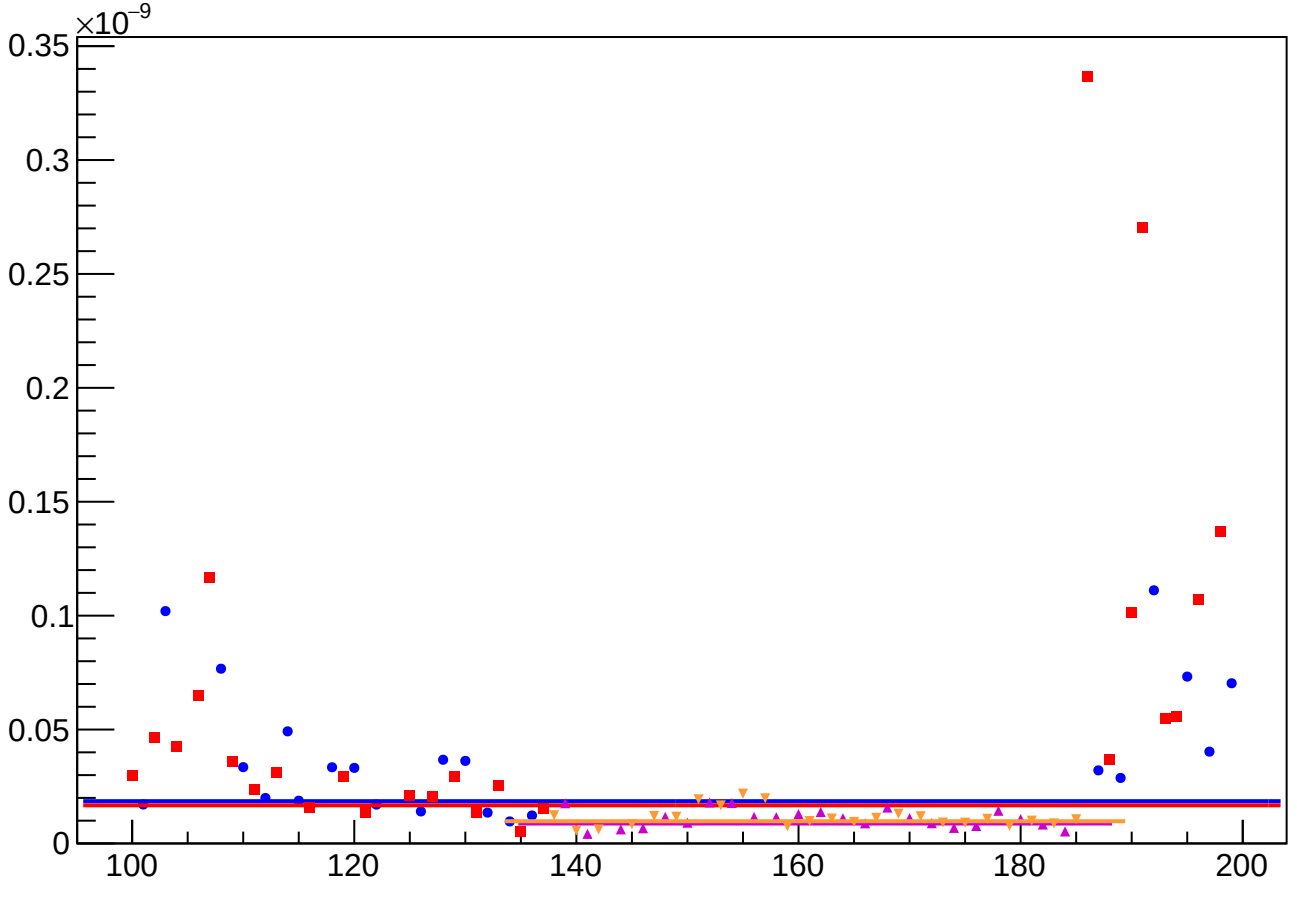
Left: 0.000+/-0.000 χ^2/NDF: 43.2/46

Right: 0.000+/-0.000 χ^2/NDF: 50.1/47

In: 0.000+/-0.000 χ^2/NDF:44.5/44

Out: 0.000+/-0.000 χ^2/NDF:49.2/49

All: 0.000+/-0.000 χ^2/NDF: 93.7/94



Right In: 0.000+/-0.000 χ^2/NDF: 3239640.1/21

Left Out: 0.000+/-0.000 χ^2/NDF:1373738.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 5040192.9/25

Left In: 0.000+/-0.000 χ^2/NDF:1928867.4/22

Left: 0.000+/-0.000 χ^2/NDF: 3372071.7/46

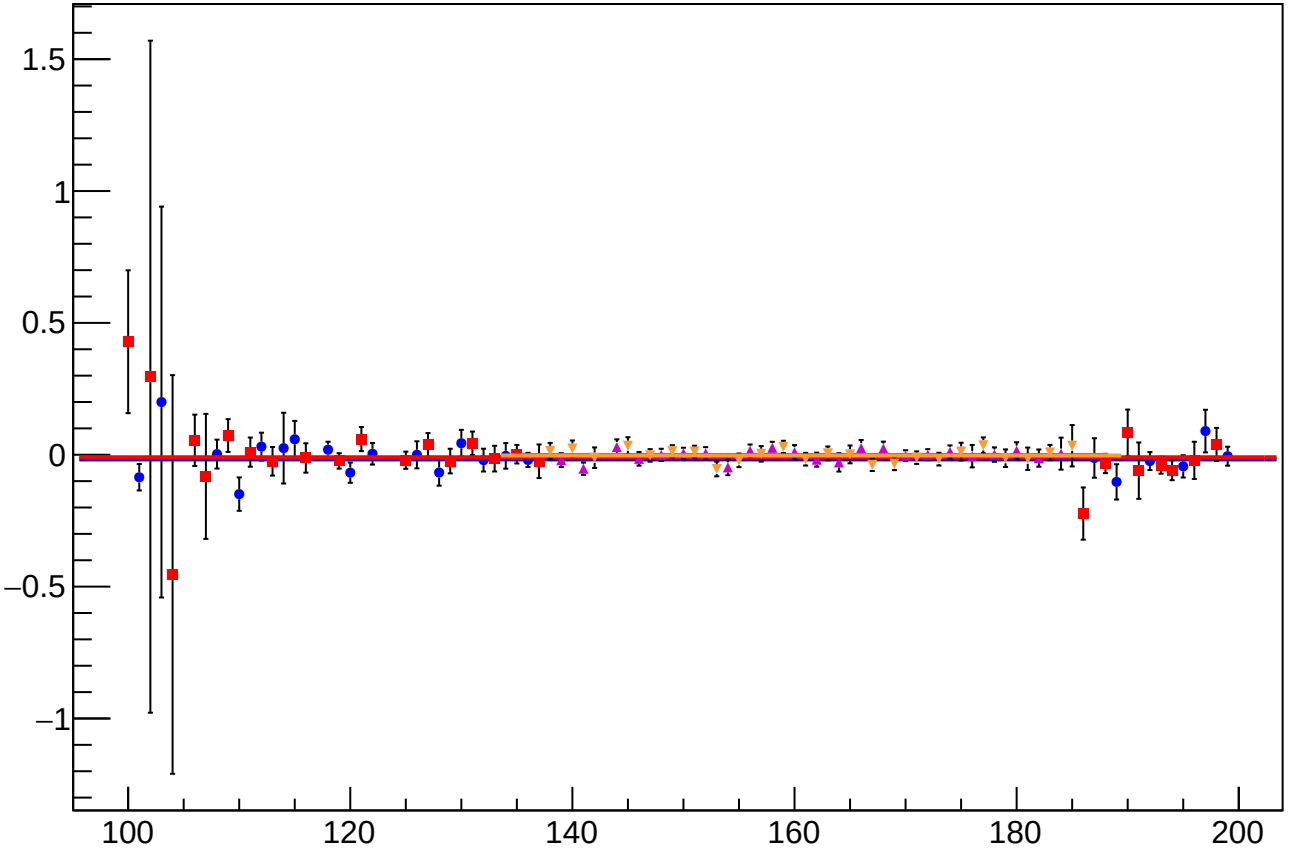
Right: 0.000+/-0.000 χ^2/NDF: 8310406.1/47

In: 0.000+/-0.000 χ^2/NDF:6717341.7/44

Out: 0.000+/-0.000 χ^2/NDF:7217125.5/49

All: 0.000+/-0.000 χ^2/NDF: 13987457.2/94

asym_usl_atl1_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.017+/-0.010 χ^2/NDF: 18.6/21

Left Out: -0.003+/-0.006 χ^2/NDF:16.3/23

Right Out: -0.009+/-0.010 χ^2/NDF: 20.5/25

Left In: -0.001+/-0.005 χ^2/NDF:14.9/22

Left: -0.002+/-0.004 χ^2/NDF: 31.3/46

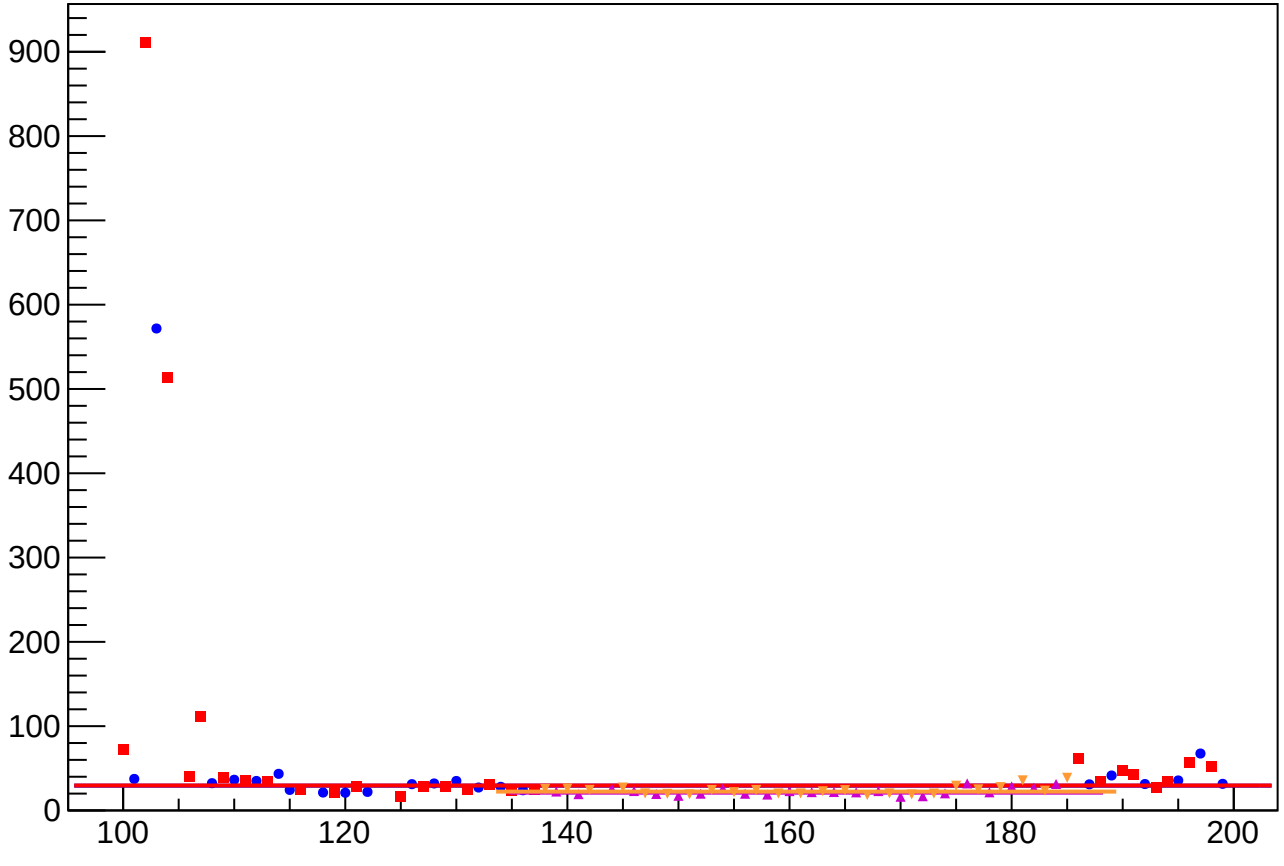
Right: -0.013+/-0.007 χ^2/NDF: 39.4/47

In: -0.005+/-0.005 χ^2/NDF:35.7/44

Out: -0.004+/-0.005 χ^2/NDF:37.2/49

All: -0.005+/-0.003 χ^2/NDF: 72.9/94

asym_usl_atl1_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.396+/-0.007 χ^2/NDF: 2202222.2/21

Left Out: 22.355+/-0.004 χ^2/NDF:816073.4/23

Right Out: 29.607+/-0.007 χ^2/NDF: 3720137.5/25

Left In: 21.099+/-0.004 χ^2/NDF:819255.8/22

Left: 21.703+/-0.003 χ^2/NDF: 1686083.7/46

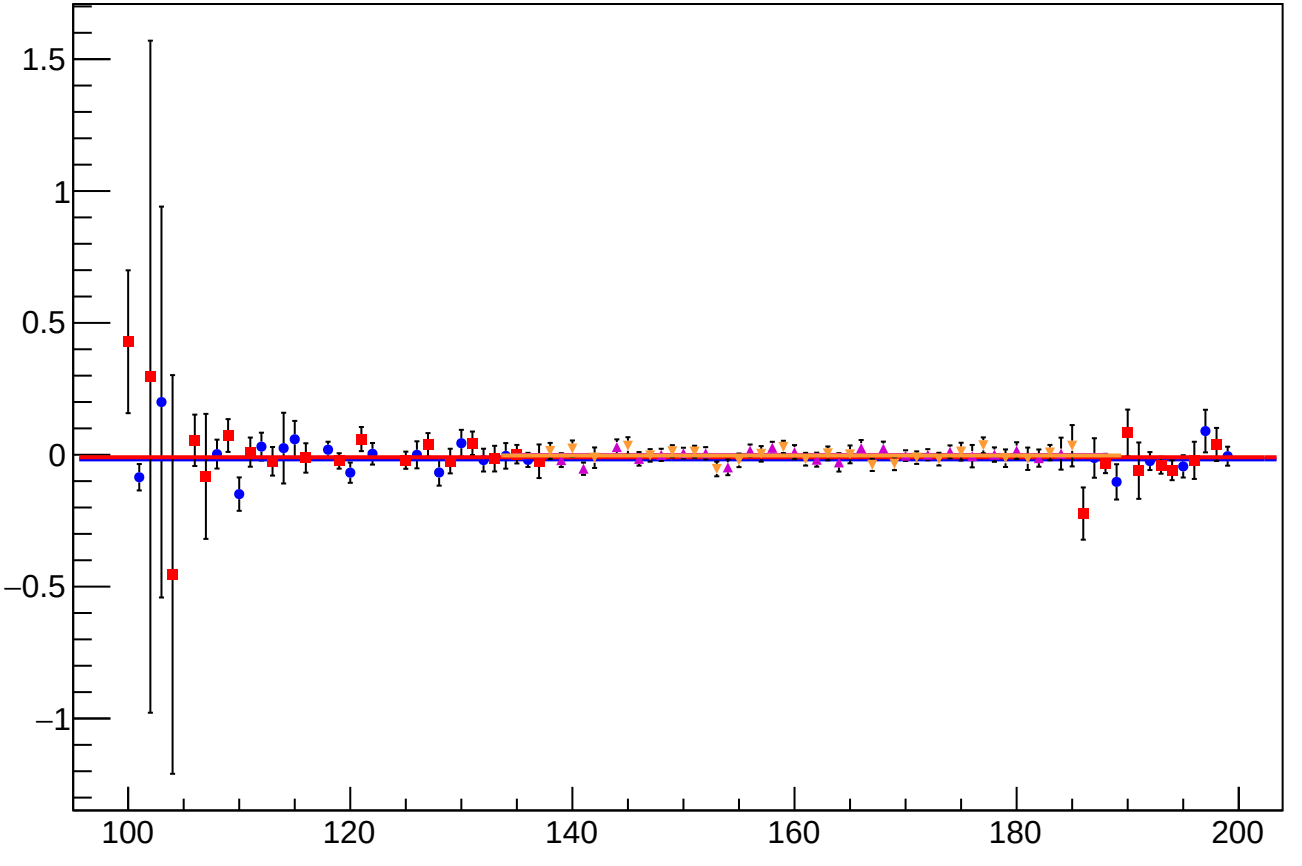
Right: 29.501+/-0.005 χ^2/NDF: 5922811.4/47

In: 23.042+/-0.003 χ^2/NDF:4100493.0/44

Out: 24.139+/-0.003 χ^2/NDF:5337068.8/49

All: 23.573+/-0.002 χ^2/NDF: 9488546.6/94

asym_usl_atl1_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.017+/-0.010 χ^2/NDF: 18.6/21

Left Out: -0.003+/-0.006 χ^2/NDF:16.3/23

Right Out: -0.009+/-0.010 χ^2/NDF: 20.5/25

Left In: -0.001+/-0.005 χ^2/NDF:14.9/22

Left: -0.002+/-0.004 χ^2/NDF: 31.3/46

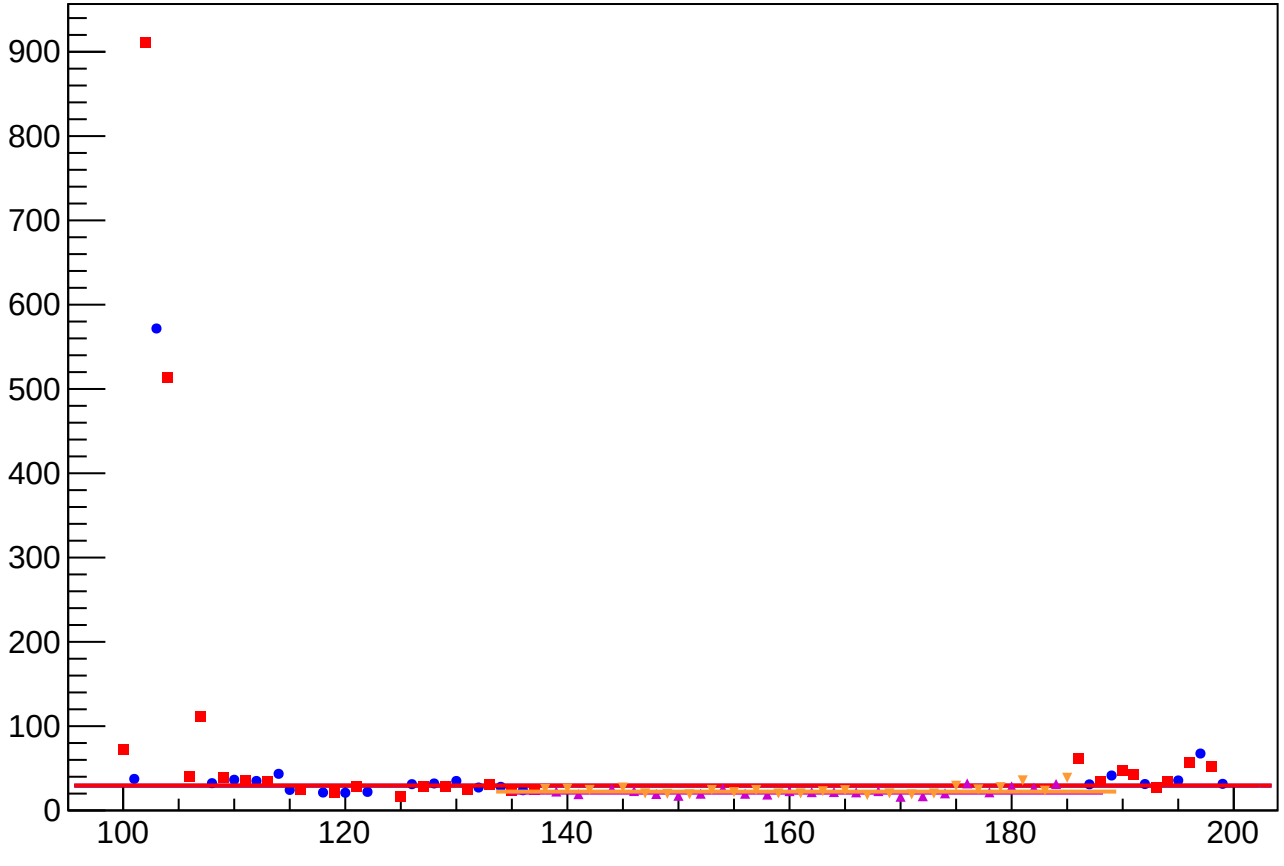
Right: -0.013+/-0.007 χ^2/NDF: 39.4/47

In: -0.005+/-0.005 χ^2/NDF:35.7/44

Out: -0.004+/-0.005 χ^2/NDF:37.2/49

All: -0.005+/-0.003 χ^2/NDF: 72.9/94

asym_usl_atl1_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.396+/-0.007 χ^2/NDF: 2202222.2/21

Left Out: 22.355+/-0.004 χ^2/NDF:816073.4/23

Right Out: 29.607+/-0.007 χ^2/NDF: 3720137.5/25

Left In: 21.099+/-0.004 χ^2/NDF:819255.8/22

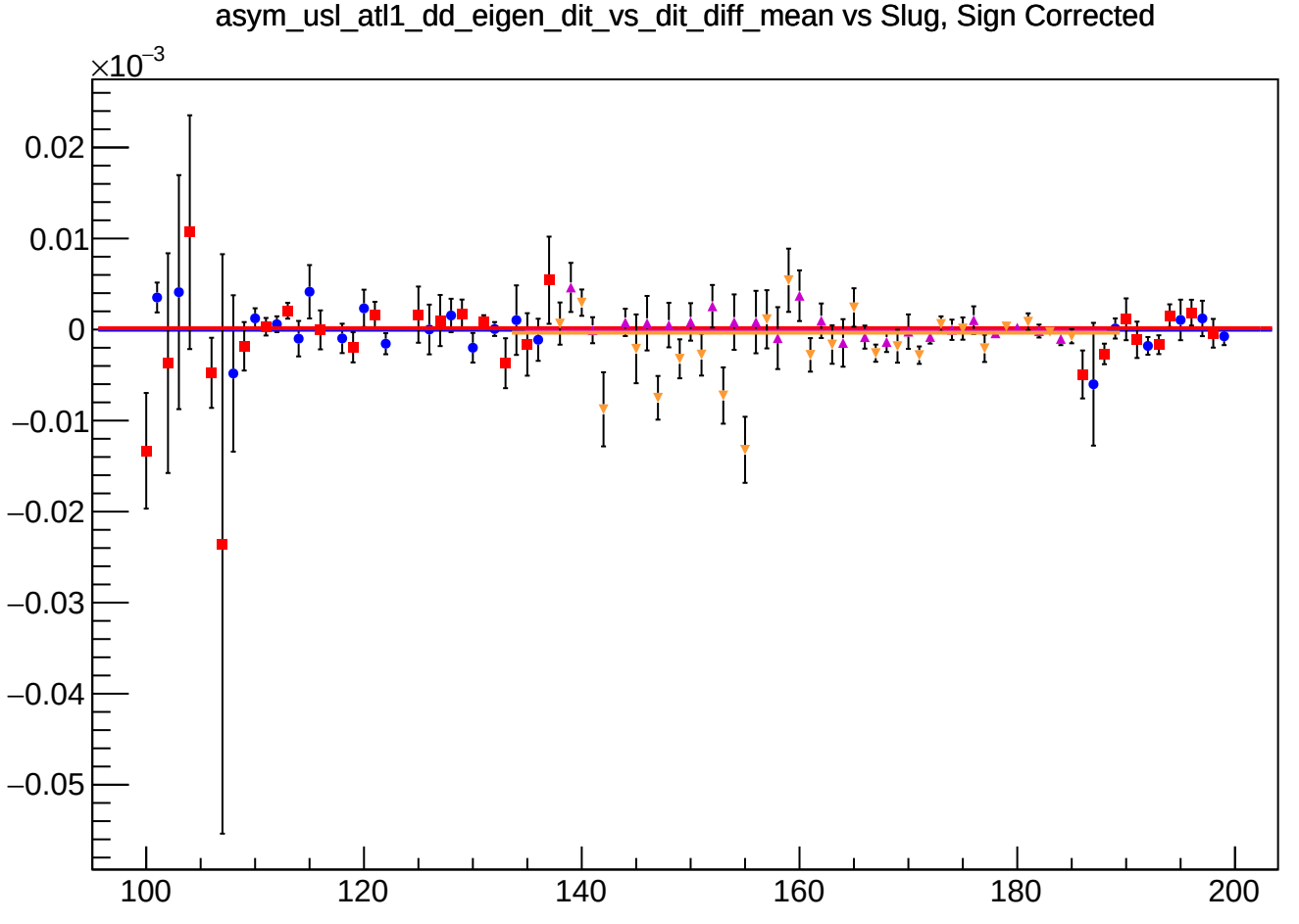
Left: 21.703+/-0.003 χ^2/NDF: 1686083.7/46

Right: 29.501+/-0.005 χ^2/NDF: 5922811.4/47

In: 23.042+/-0.003 χ^2/NDF:4100493.0/44

Out: 24.139+/-0.003 χ^2/NDF:5337068.8/49

All: 23.573+/-0.002 χ^2/NDF: 9488546.6/94



Right In: -0.000+/-0.000 χ^2/NDF: 20.4/21

Left Out: -0.000+/-0.000 χ^2/NDF:68.1/23

Right Out: 0.000+/-0.000 χ^2/NDF: 37.4/25

Left In: -0.000+/-0.000 χ^2/NDF:14.2/22

Left: -0.000+/-0.000 χ^2/NDF: 82.8/46

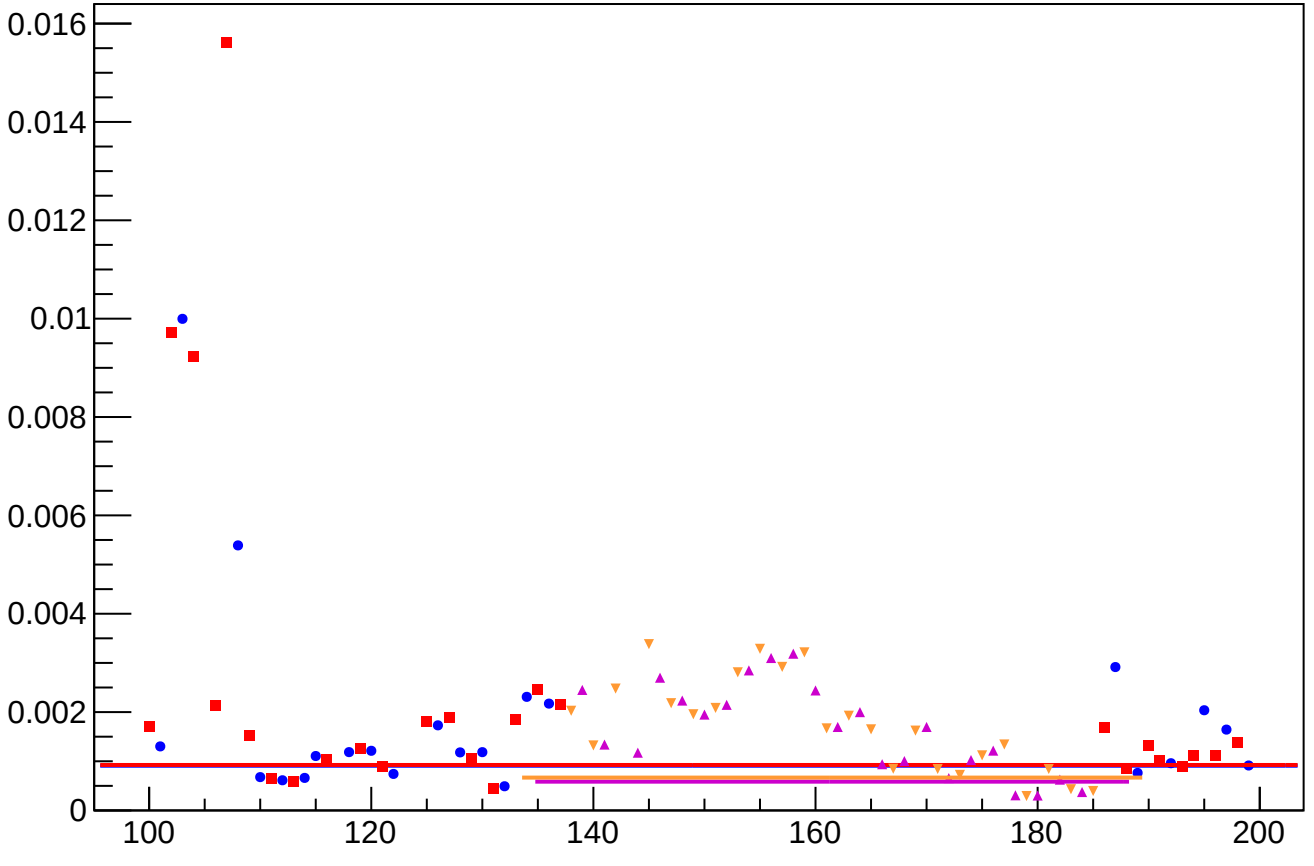
Right: 0.000+/-0.000 χ^2/NDF: 57.9/47

In: -0.000+/-0.000 χ^2/NDF:34.7/44

Out: -0.000+/-0.000 χ^2/NDF:107.1/49

All: -0.000+/-0.000 χ^2/NDF: 142.0/94

asym_usl_atl1_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 4924672.2/21

Left Out: 0.001+/-0.000 χ^2/NDF:15375915.0/23

Right Out: 0.001+/-0.000 χ^2/NDF: 5613762.3/25

Left In: 0.001+/-0.000 χ^2/NDF:15658683.6/22

Left: 0.001+/-0.000 χ^2/NDF: 31210781.6/46

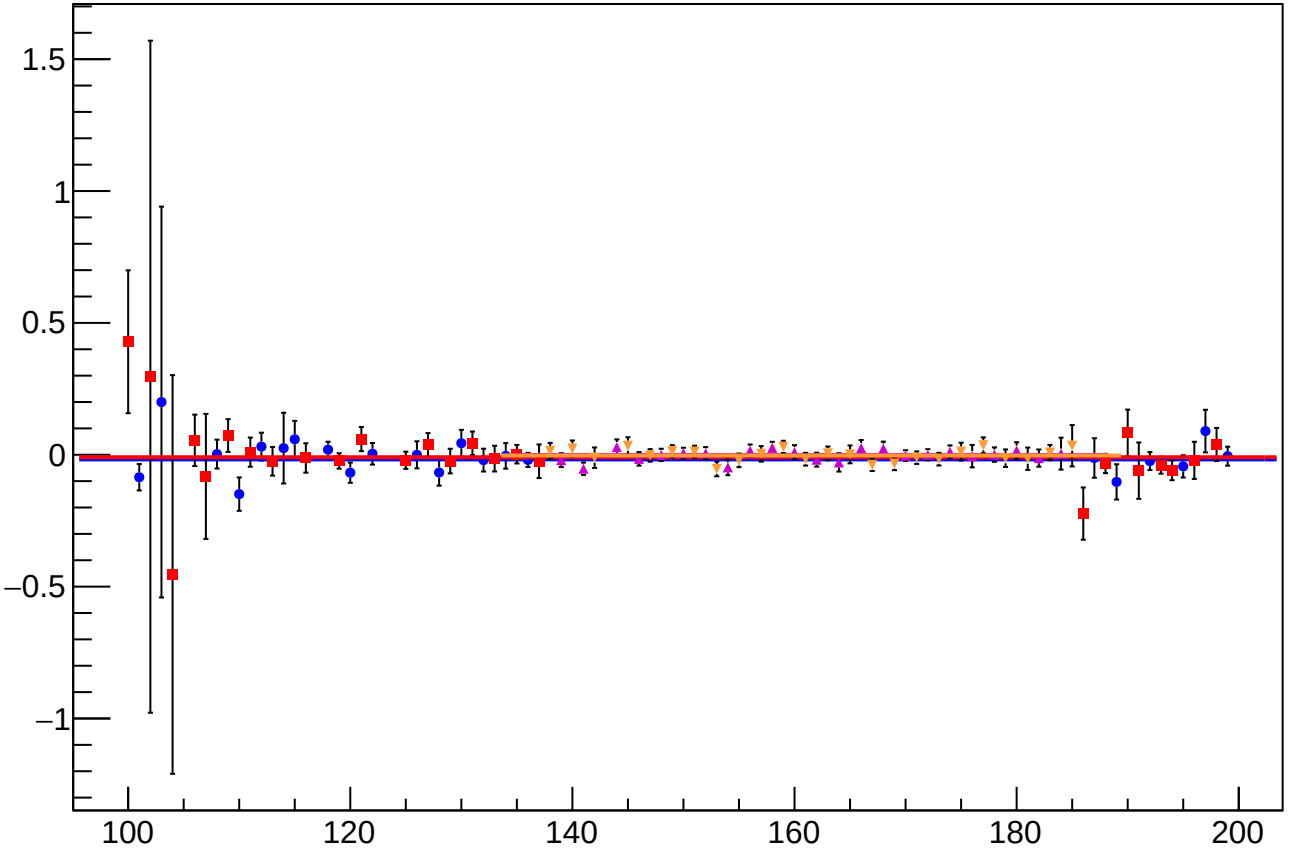
Right: 0.001+/-0.000 χ^2/NDF: 10540577.4/47

In: 0.001+/-0.000 χ^2/NDF:22197140.9/44

Out: 0.001+/-0.000 χ^2/NDF:21922741.3/49

All: 0.001+/-0.000 χ^2/NDF: 44307232.9/94

asym_usl_atl1_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.017+/-0.010 χ^2/NDF: 18.6/21

Left Out: -0.003+/-0.006 χ^2/NDF:16.3/23

Right Out: -0.009+/-0.010 χ^2/NDF: 20.5/25

Left In: -0.001+/-0.005 χ^2/NDF:14.9/22

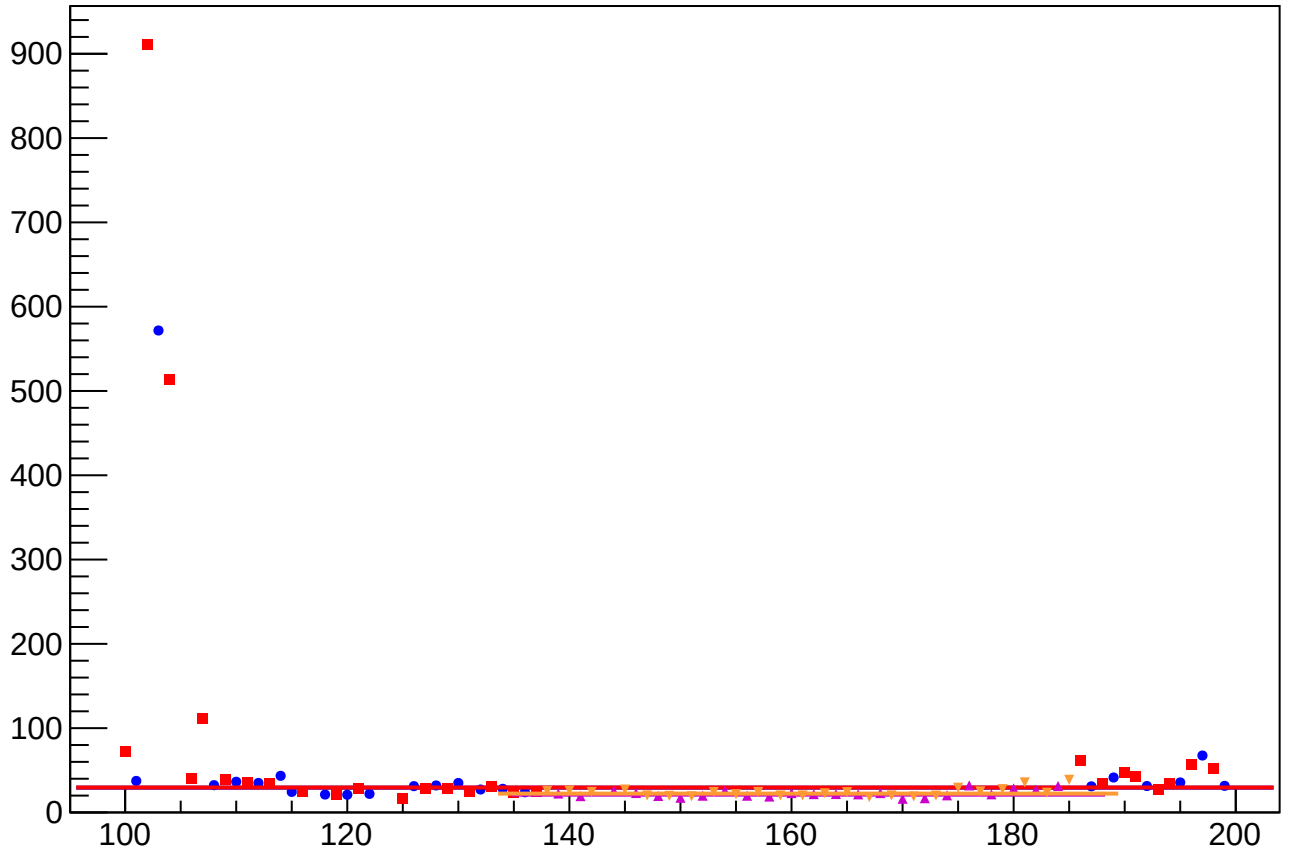
Left: -0.002+/-0.004 χ^2/NDF: 31.3/46

Right: -0.013+/-0.007 χ^2/NDF: 39.4/47

In: -0.005+/-0.005 χ^2/NDF:35.7/44

Out: -0.004+/-0.005 χ^2/NDF:37.2/49

All: -0.005+/-0.003 χ^2/NDF: 72.9/94



Right In: 29.396+/-0.007 χ^2/NDF: 2202234.0/21

Left Out: 22.355+/-0.004 χ^2/NDF:816044.6/23

Right Out: 29.607+/-0.007 χ^2/NDF: 3720159.3/25

Left In: 21.099+/-0.004 χ^2/NDF:819268.9/22

Left: 21.703+/-0.003 χ^2/NDF: 1686066.1/46

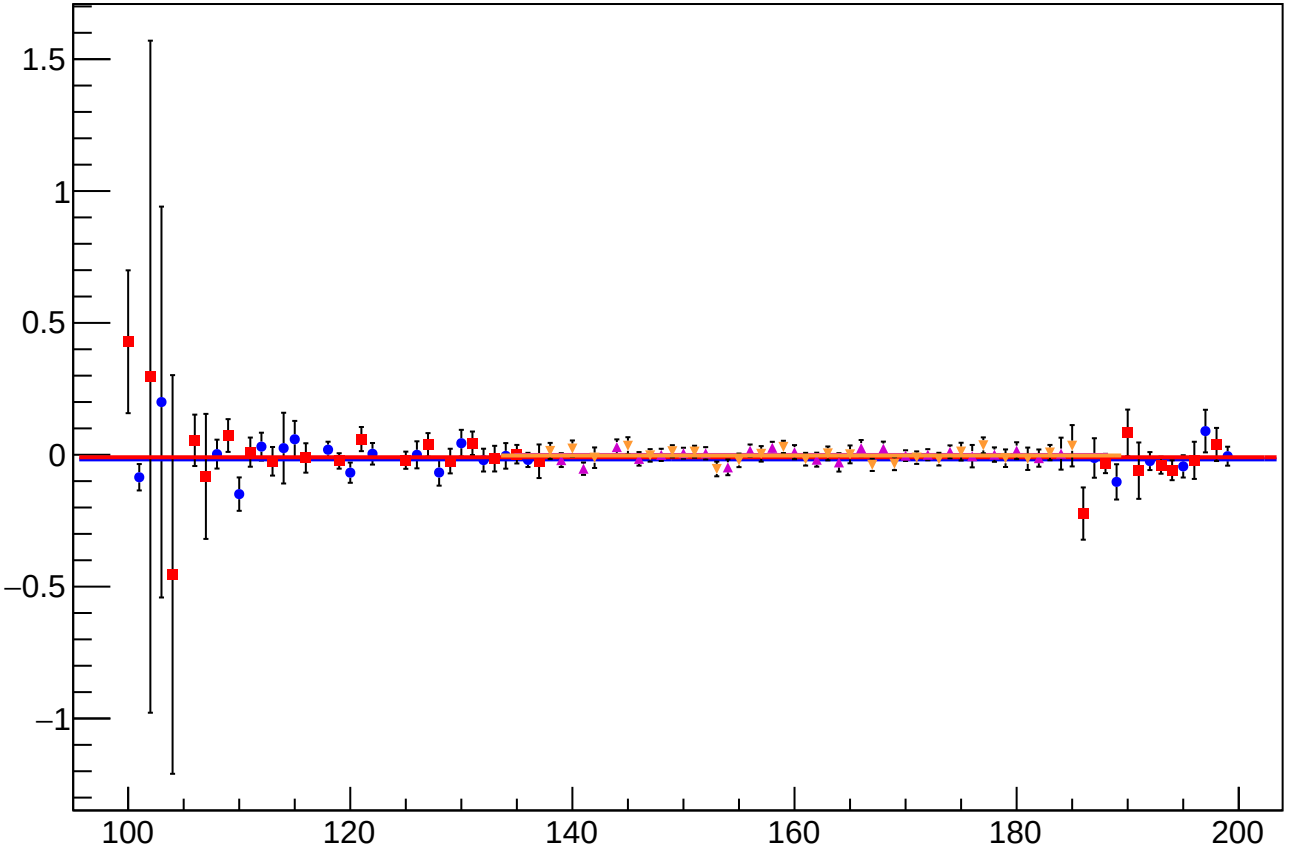
Right: 29.501+/-0.005 χ^2/NDF: 5922844.9/47

In: 23.042+/-0.003 χ^2/NDF:4100518.0/44

Out: 24.139+/-0.003 χ^2/NDF:5337063.9/49

All: 23.573+/-0.002 χ^2/NDF: 9488564.7/94

asym_usl_atl1_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.017+/-0.010 χ^2/NDF: 18.6/21

Left Out: -0.003+/-0.006 χ^2/NDF:16.3/23

Right Out: -0.009+/-0.010 χ^2/NDF: 20.5/25

Left In: -0.001+/-0.005 χ^2/NDF:14.9/22

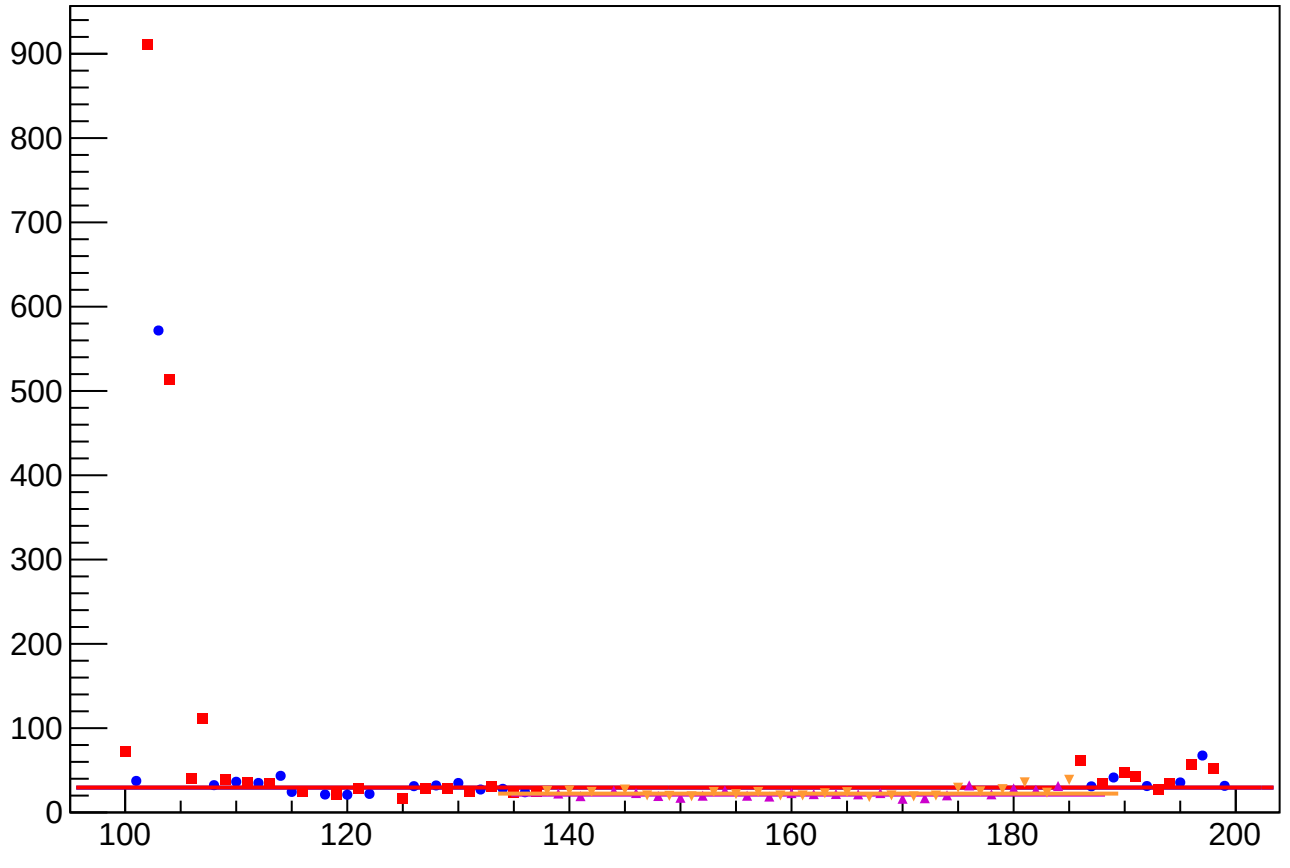
Left: -0.002+/-0.004 χ^2/NDF: 31.3/46

Right: -0.013+/-0.007 χ^2/NDF: 39.4/47

In: -0.005+/-0.005 χ^2/NDF:35.7/44

Out: -0.004+/-0.005 χ^2/NDF:37.2/49

All: -0.005+/-0.003 χ^2/NDF: 72.9/94



Right In: 29.396+/-0.007 χ^2/NDF: 2202234.0/21

Left Out: 22.355+/-0.004 χ^2/NDF:816044.6/23

Right Out: 29.607+/-0.007 χ^2/NDF: 3720159.3/25

Left In: 21.099+/-0.004 χ^2/NDF:819268.9/22

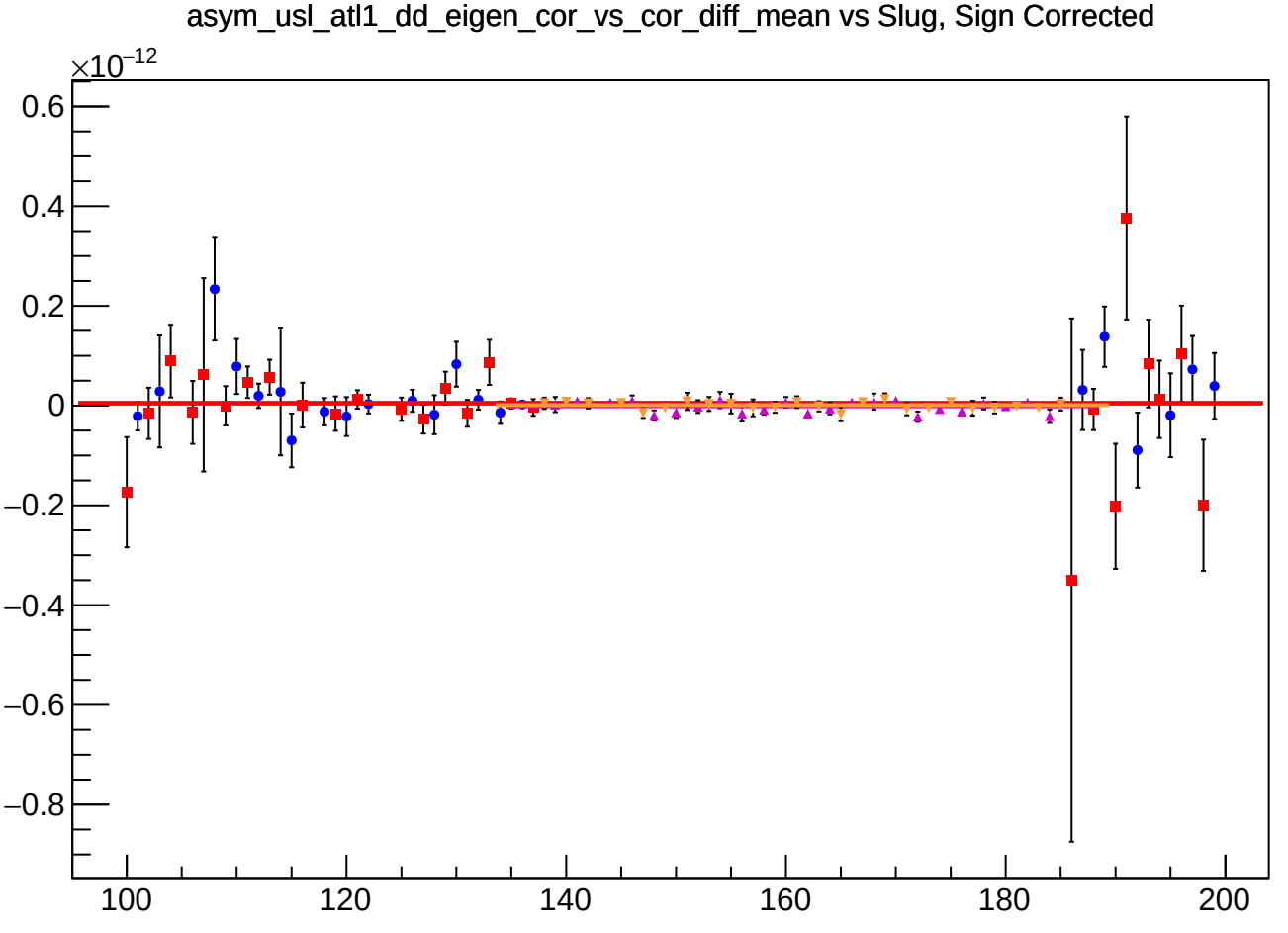
Left: 21.703+/-0.003 χ^2/NDF: 1686066.1/46

Right: 29.501+/-0.005 χ^2/NDF: 5922844.9/47

In: 23.042+/-0.003 χ^2/NDF:4100518.0/44

Out: 24.139+/-0.003 χ^2/NDF:5337063.9/49

All: 23.573+/-0.002 χ^2/NDF: 9488564.7/94



Right In: 0.000+/-0.000 χ^2/NDF: 23.0/21

Left Out: 0.000+/-0.000 χ^2/NDF:11.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 26.2/25

Left In: -0.000+/-0.000 χ^2/NDF:25.8/22

Left: -0.000+/-0.000 χ^2/NDF: 38.0/46

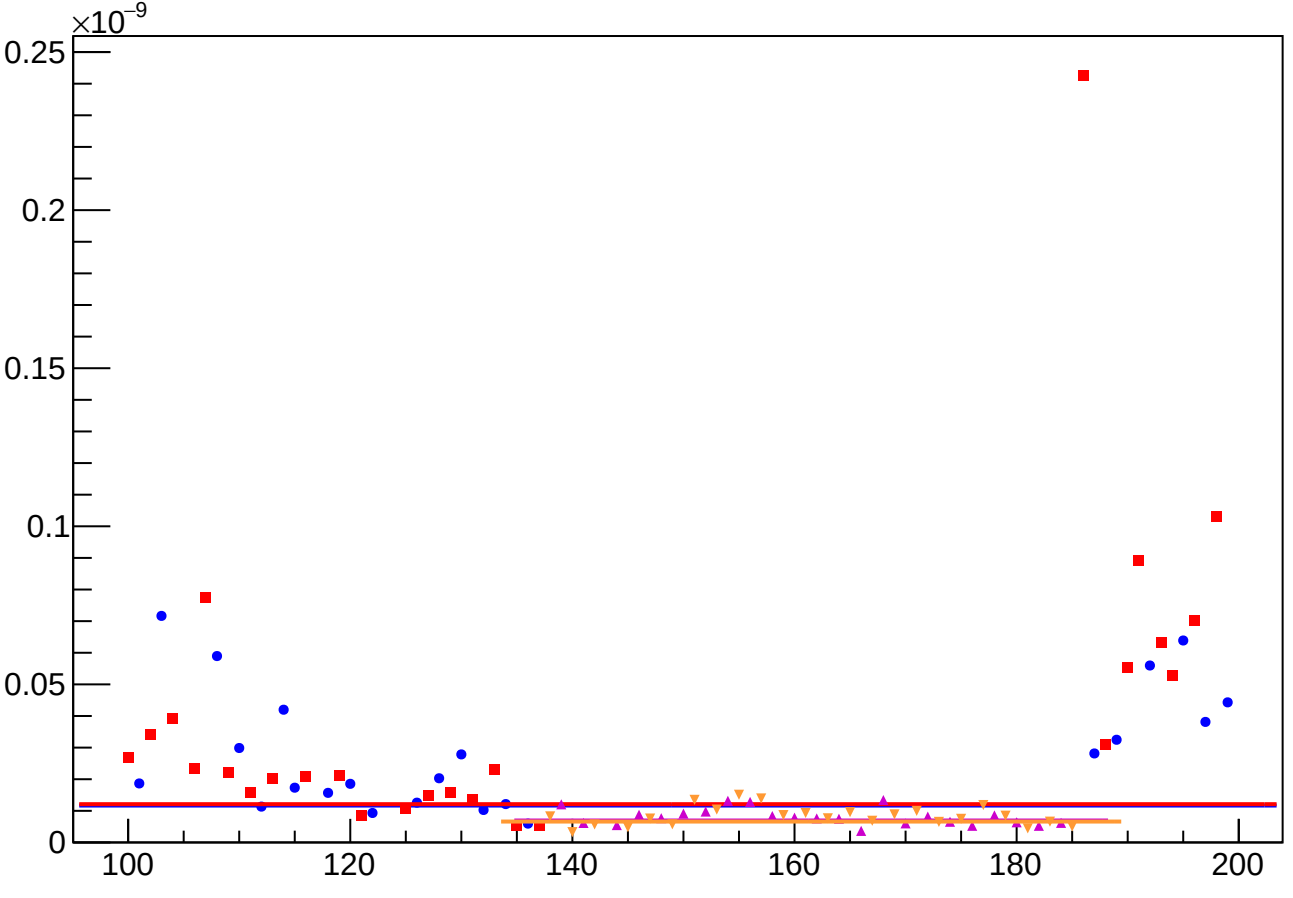
Right: 0.000+/-0.000 χ^2/NDF: 49.2/47

In: -0.000+/-0.000 χ^2/NDF:49.8/44

Out: 0.000+/-0.000 χ^2/NDF:38.3/49

All: 0.000+/-0.000 χ^2/NDF: 88.6/94

asym_usl_atl1_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 5467740.4/21

Left Out: 0.000+/-0.000 χ^2/NDF:3457171.1/23

Right Out: 0.000+/-0.000 χ^2/NDF: 7136210.6/25

Left In: 0.000+/-0.000 χ^2/NDF:2315472.3/22

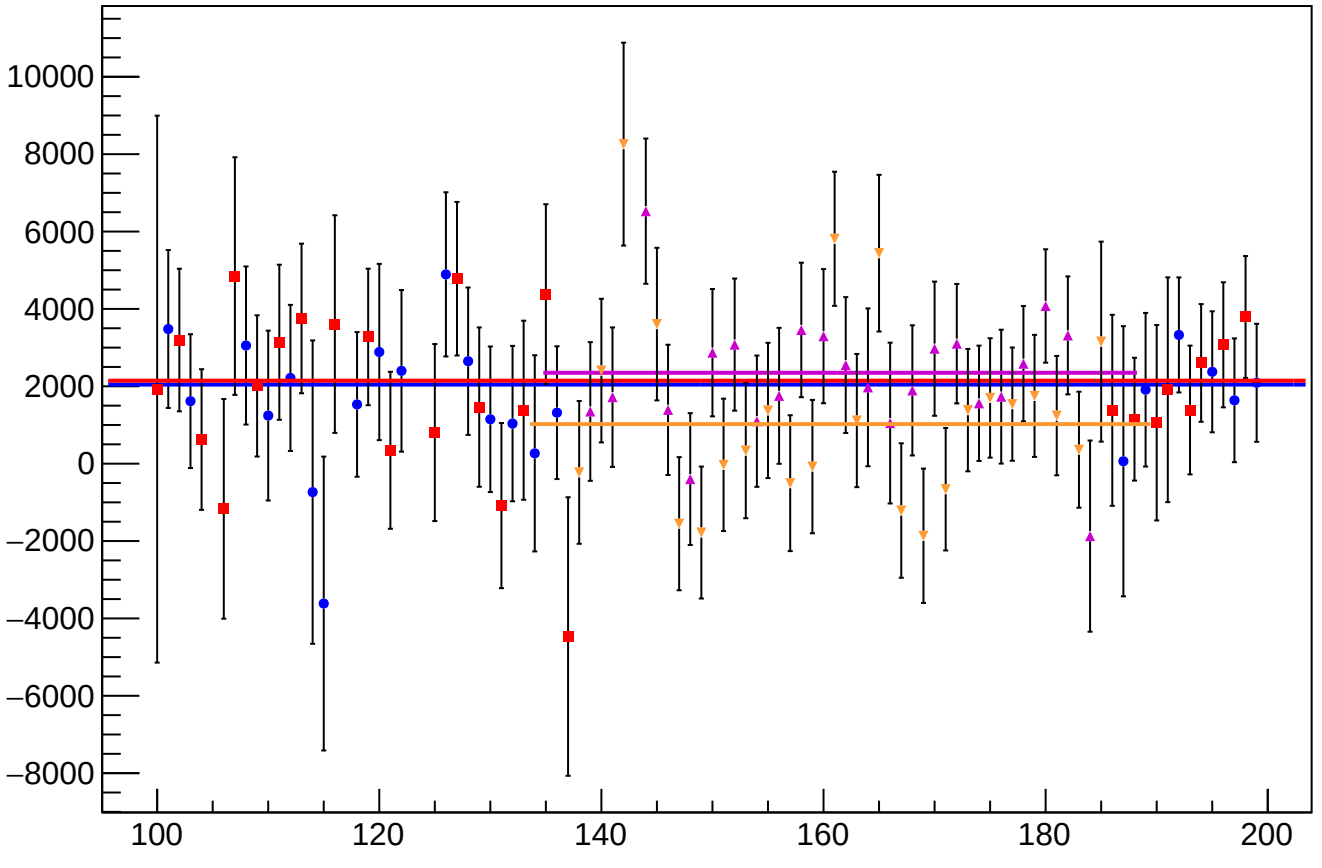
Left: 0.000+/-0.000 χ^2/NDF: 5798902.3/46

Right: 0.000+/-0.000 χ^2/NDF: 12609436.5/47

In: 0.000+/-0.000 χ^2/NDF:9035368.5/44

Out: 0.000+/-0.000 χ^2/NDF:12123509.0/49

All: 0.000+/-0.000 χ^2/NDF: 21188652.2/94



Right In: 2044.525+/-419.415 χ^2/NDF: 8.1/21

Left Out: 1022.603+/-353.459 χ^2/NDF:36.4/23

Right Out: 2144.814+/-404.246 χ^2/NDF: 16.9/25

Left In: 2349.189+/-357.068 χ^2/NDF:16.0/22

Left: 1679.158+/-251.199 χ^2/NDF: 59.4/46

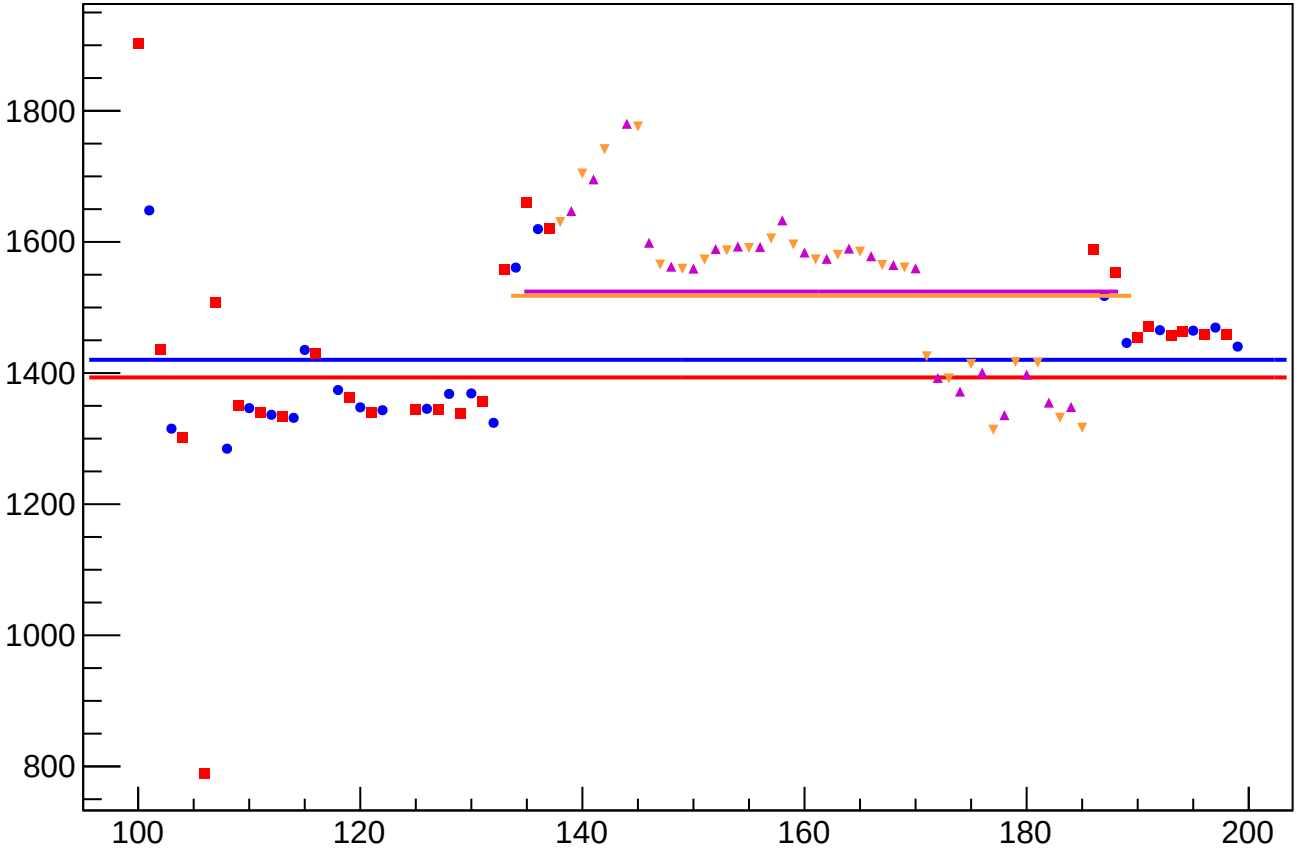
Right: 2096.516+/-291.060 χ^2/NDF: 25.1/47

In: 2221.163+/-271.883 χ^2/NDF:24.4/44

Out: 1508.826+/-266.089 χ^2/NDF:57.7/49

All: 1857.322+/-190.169 χ^2/NDF: 85.6/94

reg_asym_usl_atl2_avg_rms vs Slug, Sign Corrected



Right In: 1420.237+/-0.297 χ^2/NDF: 105084.0/21

Left Out: 1517.815+/-0.250 χ^2/NDF:233957.9/23

Right Out: 1393.347+/-0.280 χ^2/NDF: 391351.4/25

Left In: 1524.314+/-0.252 χ^2/NDF:224321.2/22

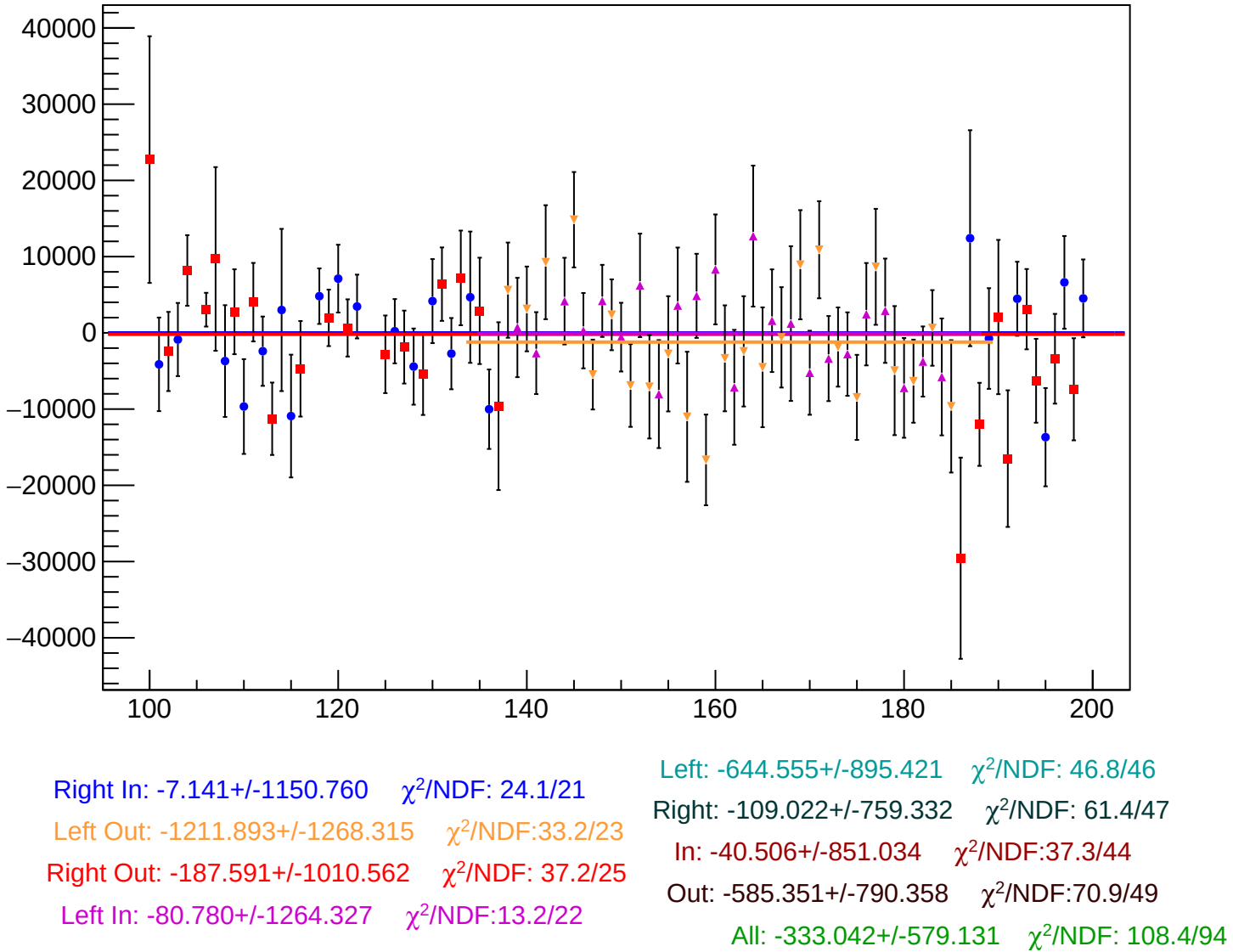
Left: 1521.032+/-0.178 χ^2/NDF: 458613.7/46

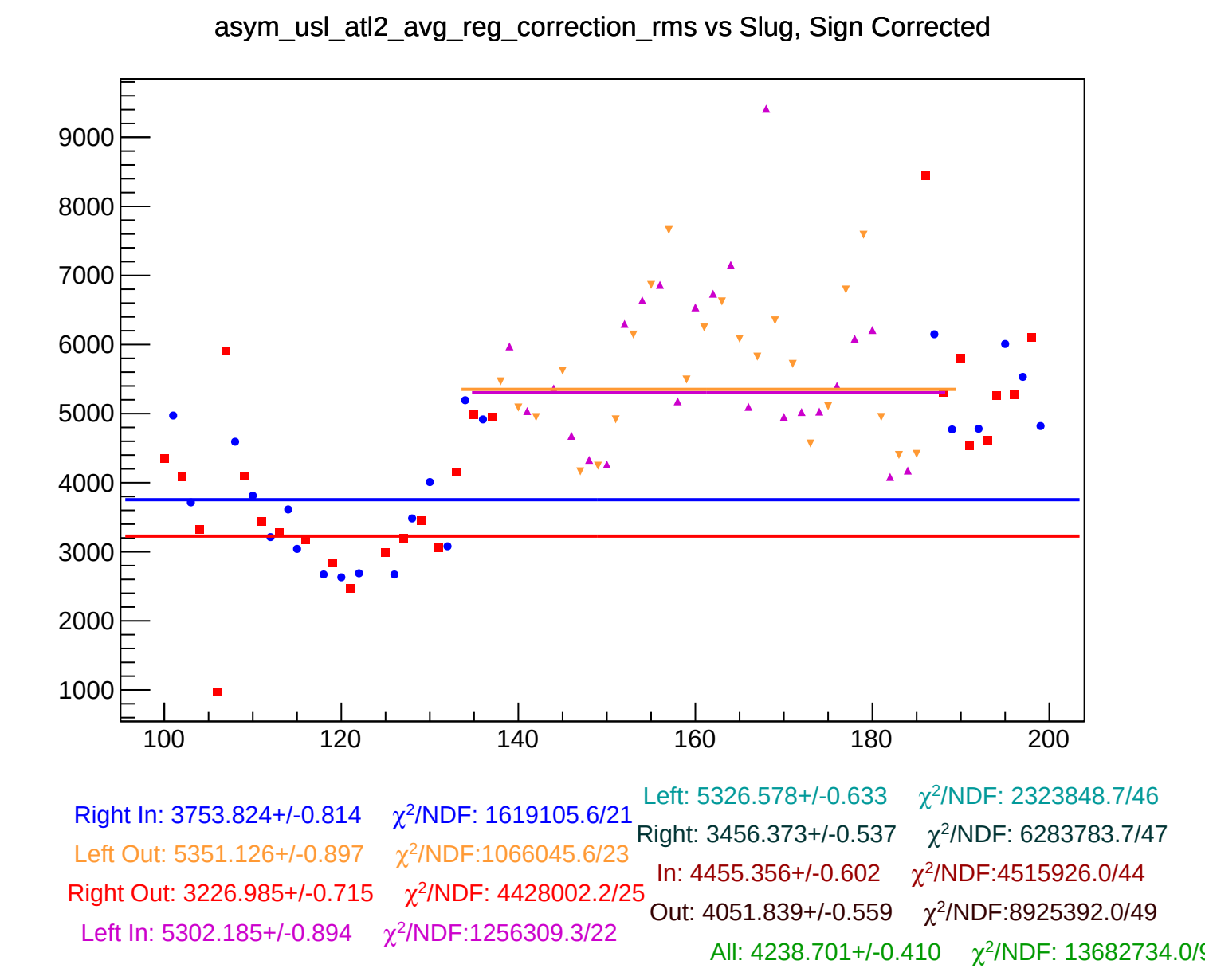
Right: 1406.035+/-0.204 χ^2/NDF: 500777.2/47

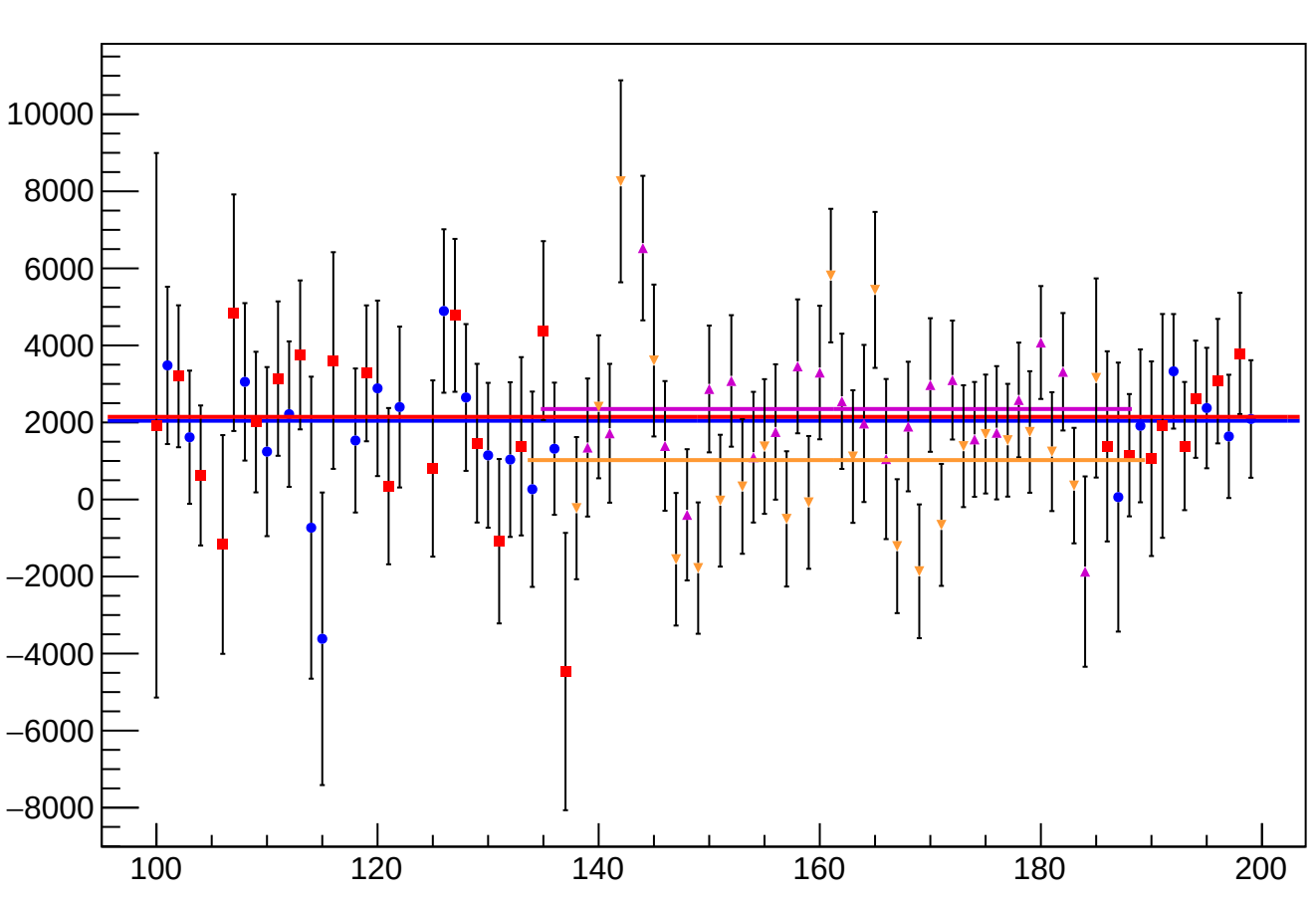
In: 1480.579+/-0.192 χ^2/NDF:400808.1/44

Out: 1462.693+/-0.187 χ^2/NDF:735144.1/49

All: 1471.367+/-0.134 χ^2/NDF: 1140409.9/94


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: -7.141+/-1150.760 χ²/NDF: 24.1/21
Left Out: -1211.893+/-1268.315 χ²/NDF:33.2/23
Right Out: -187.591+/-1010.562 χ²/NDF: 37.2/25
Left In: -80.780+/-1264.327 χ²/NDF:13.2/22
Left: -644.555+/-895.421 χ²/NDF: 46.8/46
Right: -109.022+/-759.332 χ²/NDF: 61.4/47
In: -40.506+/-851.034 χ²/NDF:37.3/44
Out: -585.351+/-790.358 χ²/NDF:70.9/49
All: -333.042+/-579.131 χ²/NDF: 108.4/94


asym_usl_atl2_avg_reg_correction_rms vs Slug, Sign Corrected
9000
8000
7000
6000
5000
4000
3000
2000
1000
100
120
140
160
180
200
Right In: 3753.824+/-0.814 χ²/NDF: 1619105.6/21
Left Out: 5351.126+/-0.897 χ²/NDF:1066045.6/23
Right Out: 3226.985+/-0.715 χ²/NDF: 4428002.2/25
Left In: 5302.185+/-0.894 χ²/NDF:1256309.3/22
Left: 5326.578+/-0.633 χ²/NDF: 2323848.7/46
Right: 3456.373+/-0.537 χ²/NDF: 6283783.7/47
In: 4455.356+/-0.602 χ²/NDF:4515926.0/44
Out: 4051.839+/-0.559 χ²/NDF:8925392.0/49
All: 4238.701+/-0.410 χ²/NDF: 13682734.0/9



Right In: 2044.554+/-419.415 χ^2/NDF: 8.1/21

Left Out: 1022.634+/-353.459 χ^2/NDF:36.4/23

Right Out: 2144.942+/-404.248 χ^2/NDF: 16.9/25

Left In: 2349.186+/-357.068 χ^2/NDF:16.0/22

Left: 1679.172+/-251.199 χ^2/NDF: 59.4/46

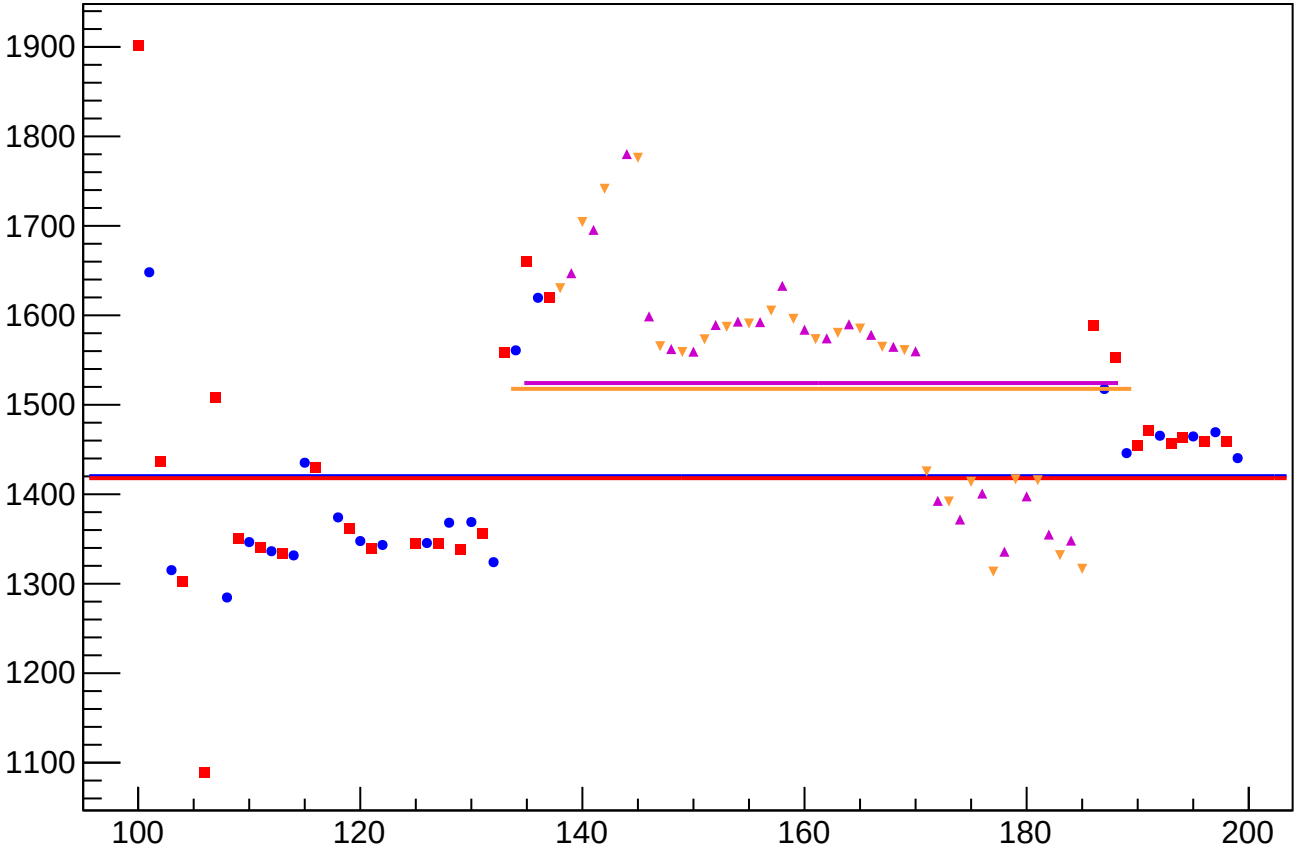
Right: 2096.596+/-291.061 χ^2/NDF: 25.1/47

In: 2221.173+/-271.883 χ^2/NDF:24.4/44

Out: 1508.896+/-266.089 χ^2/NDF:57.7/49

All: 1857.364+/-190.169 χ^2/NDF: 85.6/94

cor_asym_usl_atl2_avg_rms vs Slug, Sign Corrected



Right In: 1420.237+/-0.297 χ^2/NDF: 105084.1/21

Left Out: 1517.815+/-0.250 χ^2/NDF:233957.9/23

Right Out: 1417.988+/-0.284 χ^2/NDF: 158010.9/25

Left In: 1524.314+/-0.252 χ^2/NDF:224321.2/22

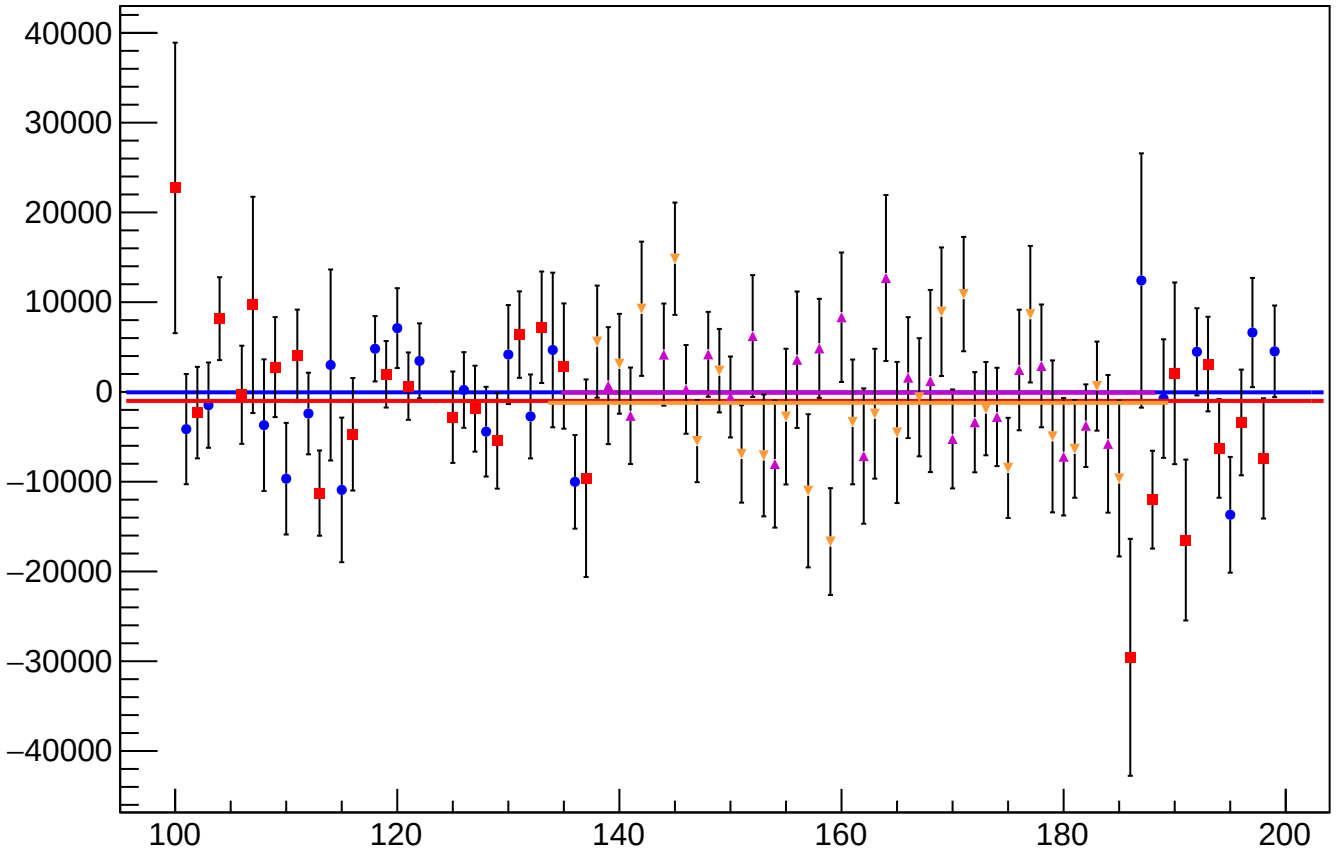
Left: 1521.032+/-0.178 χ^2/NDF: 458613.6/46

Right: 1419.062+/-0.205 χ^2/NDF: 263125.0/47

In: 1480.579+/-0.192 χ^2/NDF:400808.2/44

Out: 1474.164+/-0.187 χ^2/NDF:461727.6/49

All: 1477.291+/-0.134 χ^2/NDF: 863106.5/94



Right In: -43.480+/-1150.070 χ^2/NDF: 24.2/21

Left Out: -1211.889+/-1268.316 χ^2/NDF:33.2/23

Right Out: -1000.399+/-1110.821 χ^2/NDF: 34.6/25

Left In: -80.689+/-1264.325 χ^2/NDF:13.2/22

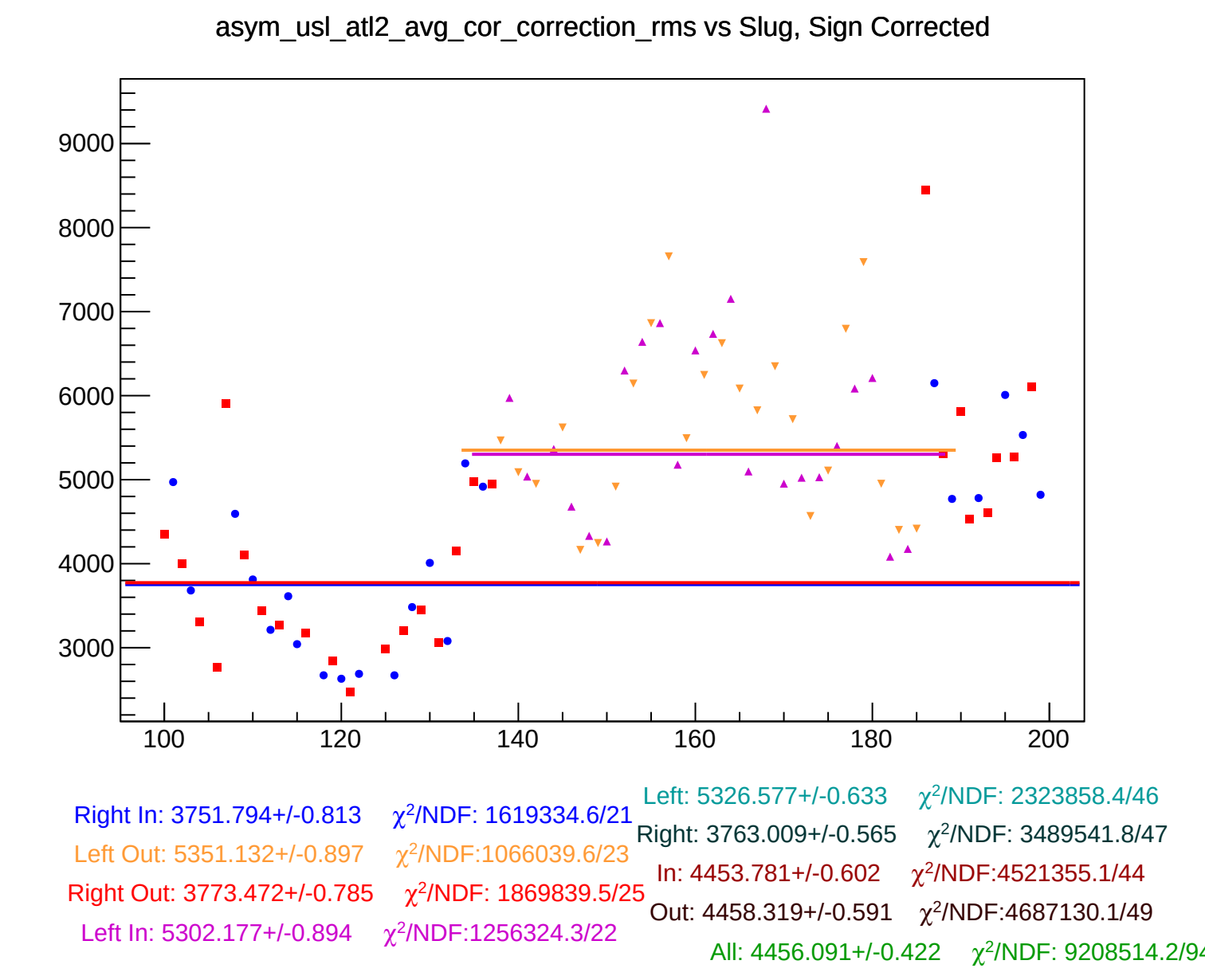
Left: -644.506+/-895.421 χ^2/NDF: 46.8/46

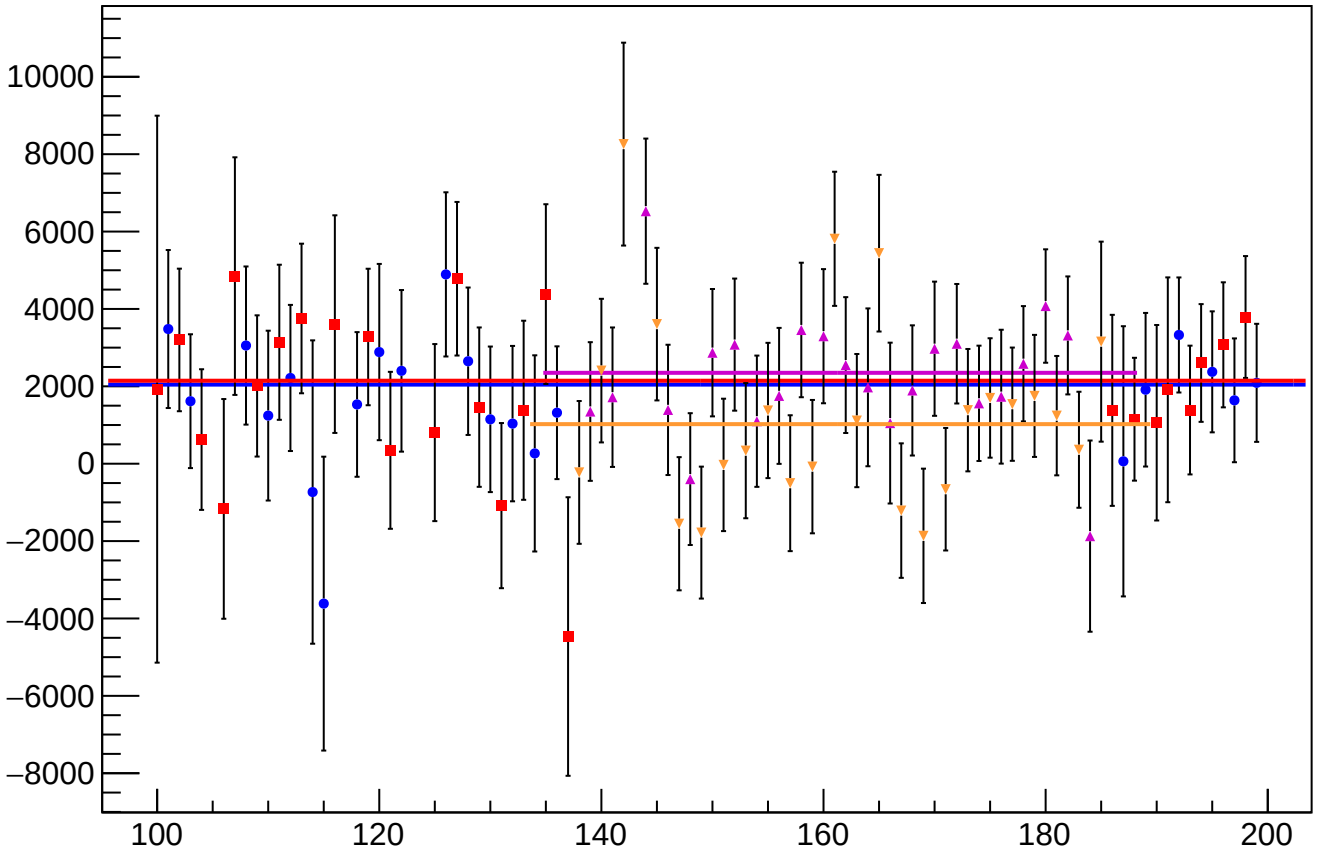
Right: -538.546+/-798.984 χ^2/NDF: 59.1/47

In: -60.327+/-850.754 χ^2/NDF:37.4/44

Out: -1092.205+/-835.637 χ^2/NDF:67.8/49

All: -585.515+/-596.157 χ^2/NDF: 106.0/94


asym_usl_atl2_avg_cor_correction_rms vs Slug, Sign Corrected
9000
8000
7000
6000
5000
4000
3000
100
120
140
160
180
200
Right In: 3751.794+/-0.813 χ²/NDF: 1619334.6/21
Left Out: 5351.132+/-0.897 χ²/NDF:1066039.6/23
Right Out: 3773.472+/-0.785 χ²/NDF: 1869839.5/25
Left In: 5302.177+/-0.894 χ²/NDF:1256324.3/22
Left: 5326.577+/-0.633 χ²/NDF: 2323858.4/46
Right: 3763.009+/-0.565 χ²/NDF: 3489541.8/47
In: 4453.781+/-0.602 χ²/NDF:4521355.1/44
Out: 4458.319+/-0.591 χ²/NDF:4687130.1/49
All: 4456.091+/-0.422 χ²/NDF: 9208514.2/94



Right In: 2044.554+/-419.415 χ^2/NDF: 8.1/21

Left Out: 1022.634+/-353.459 χ^2/NDF:36.4/23

Right Out: 2144.942+/-404.248 χ^2/NDF: 16.9/25

Left In: 2349.186+/-357.068 χ^2/NDF:16.0/22

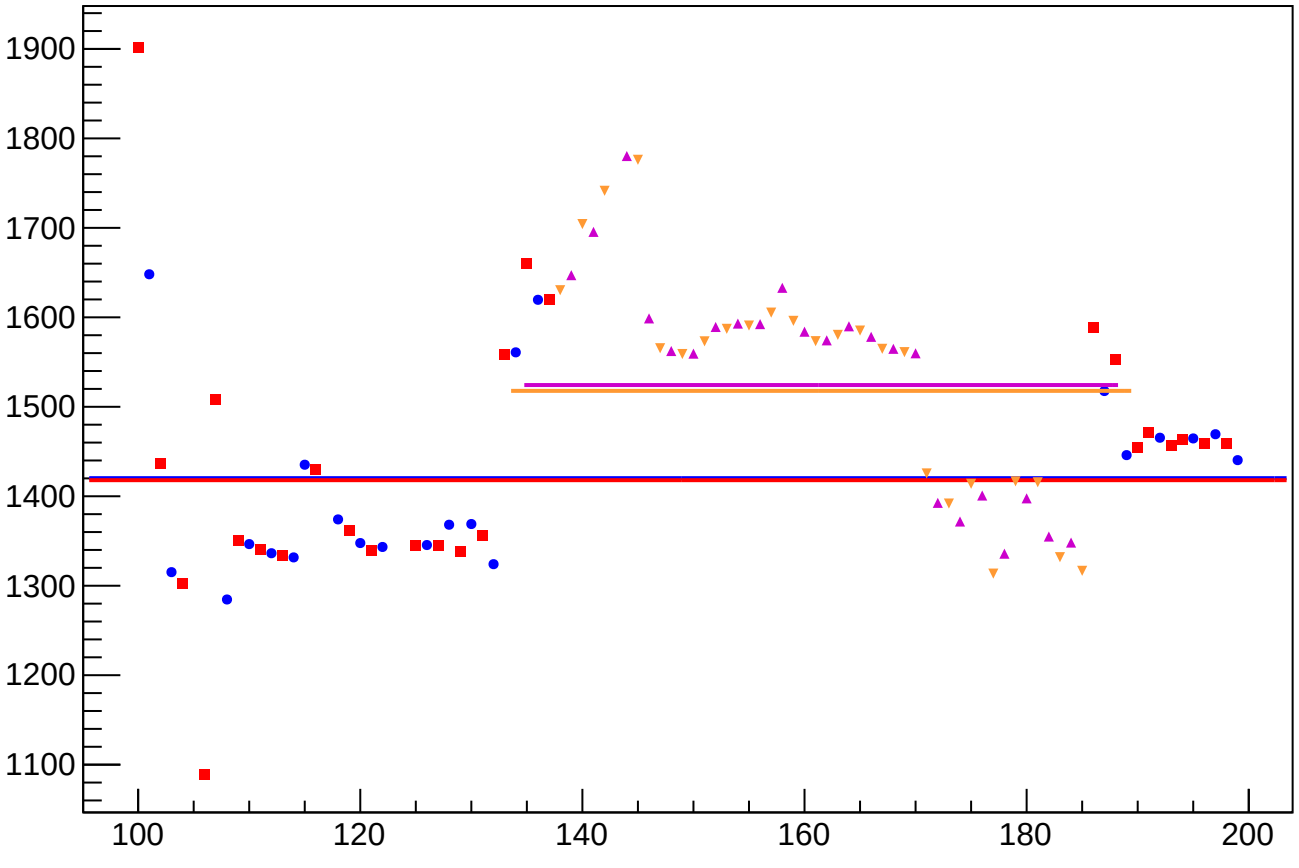
Left: 1679.172+/-251.199 χ^2/NDF: 59.4/46

Right: 2096.596+/-291.061 χ^2/NDF: 25.1/47

In: 2221.173+/-271.883 χ^2/NDF:24.4/44

Out: 1508.896+/-266.089 χ^2/NDF:57.7/49

All: 1857.364+/-190.169 χ^2/NDF: 85.6/94



Right In: 1420.237+/-0.297 χ^2/NDF: 105084.1/21

Left Out: 1517.815+/-0.250 χ^2/NDF:233957.9/23

Right Out: 1417.988+/-0.284 χ^2/NDF: 158010.9/25

Left In: 1524.314+/-0.252 χ^2/NDF:224321.2/22

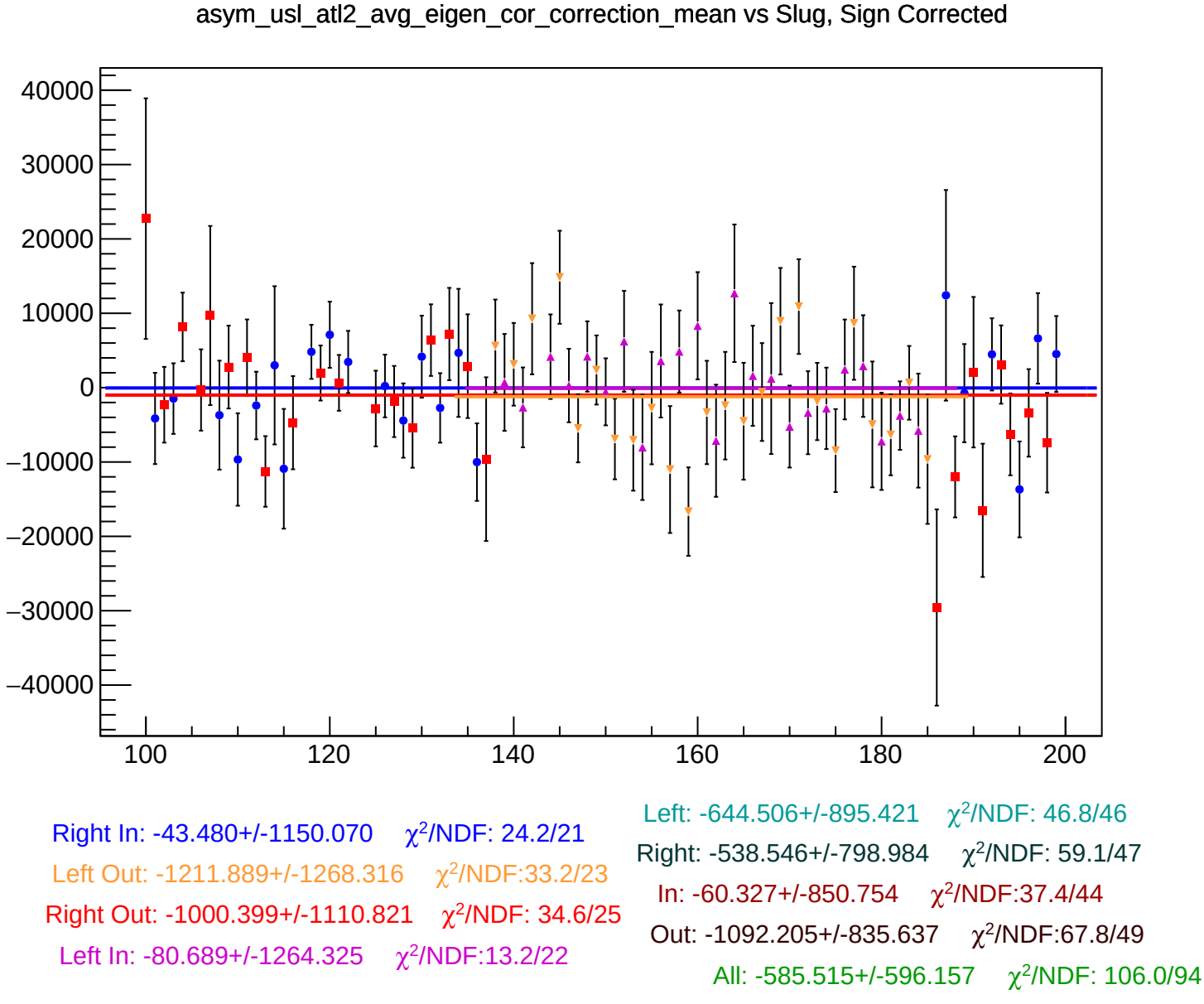
Left: 1521.032+/-0.178 χ^2/NDF: 458613.6/46

Right: 1419.062+/-0.205 χ^2/NDF: 263125.0/47

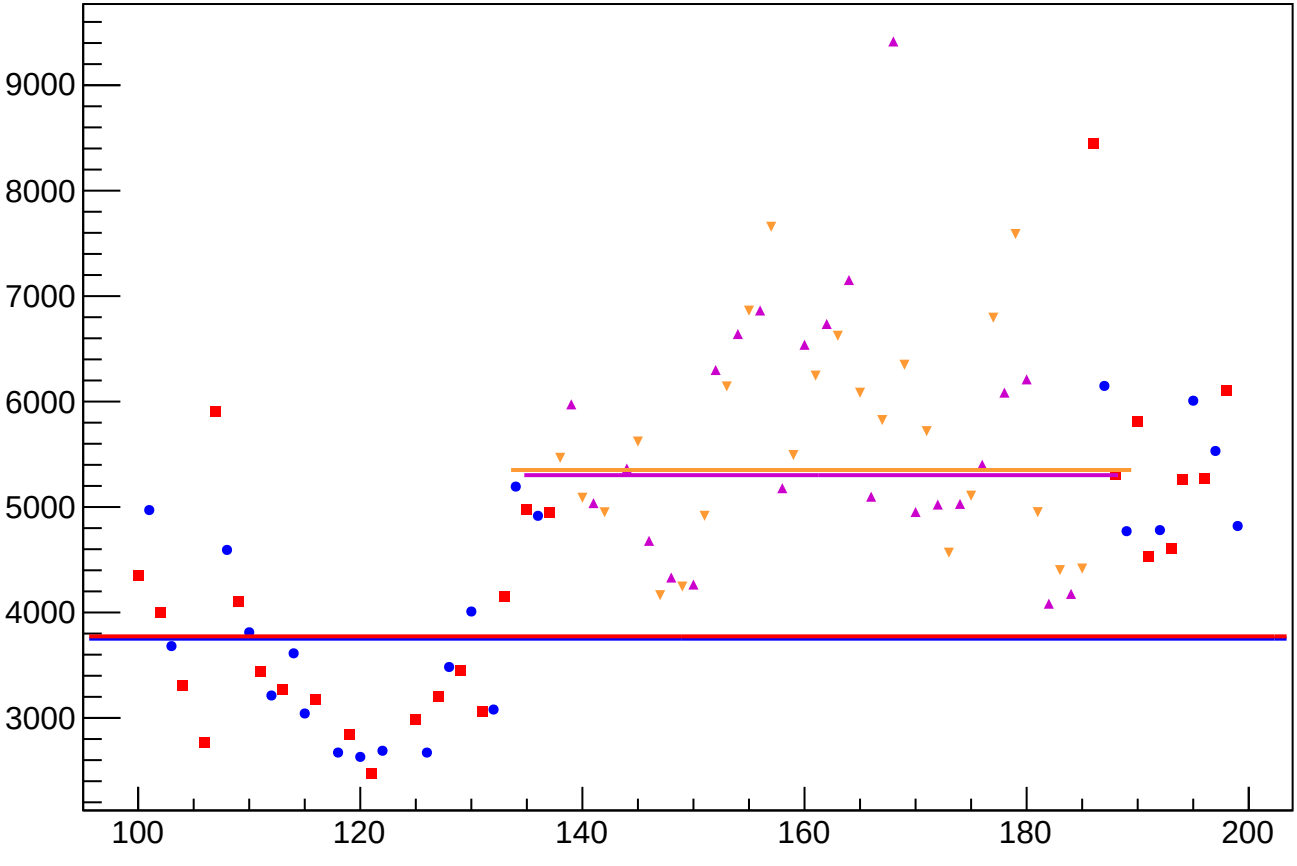
In: 1480.579+/-0.192 χ^2/NDF:400808.2/44

Out: 1474.164+/-0.187 χ^2/NDF:461727.6/49

All: 1477.291+/-0.134 χ^2/NDF: 863106.5/94


asym_usl_atl2_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
Right In: -43.480+/-1150.070 χ²/NDF: 24.2/21
Left Out: -1211.889+/-1268.316 χ²/NDF:33.2/23
Right Out: -1000.399+/-1110.821 χ²/NDF: 34.6/25
Left In: -80.689+/-1264.325 χ²/NDF:13.2/22
Left: -644.506+/-895.421 χ²/NDF: 46.8/46
Right: -538.546+/-798.984 χ²/NDF: 59.1/47
In: -60.327+/-850.754 χ²/NDF:37.4/44
Out: -1092.205+/-835.637 χ²/NDF:67.8/49
All: -585.515+/-596.157 χ²/NDF: 106.0/94

asym_usl_atl2_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 3751.794+/-0.813 χ^2/NDF: 1619334.6/21

Left Out: 5351.132+/-0.897 χ^2/NDF:1066039.6/23

Right Out: 3773.472+/-0.785 χ^2/NDF: 1869839.5/25

Left In: 5302.177+/-0.894 χ^2/NDF:1256324.3/22

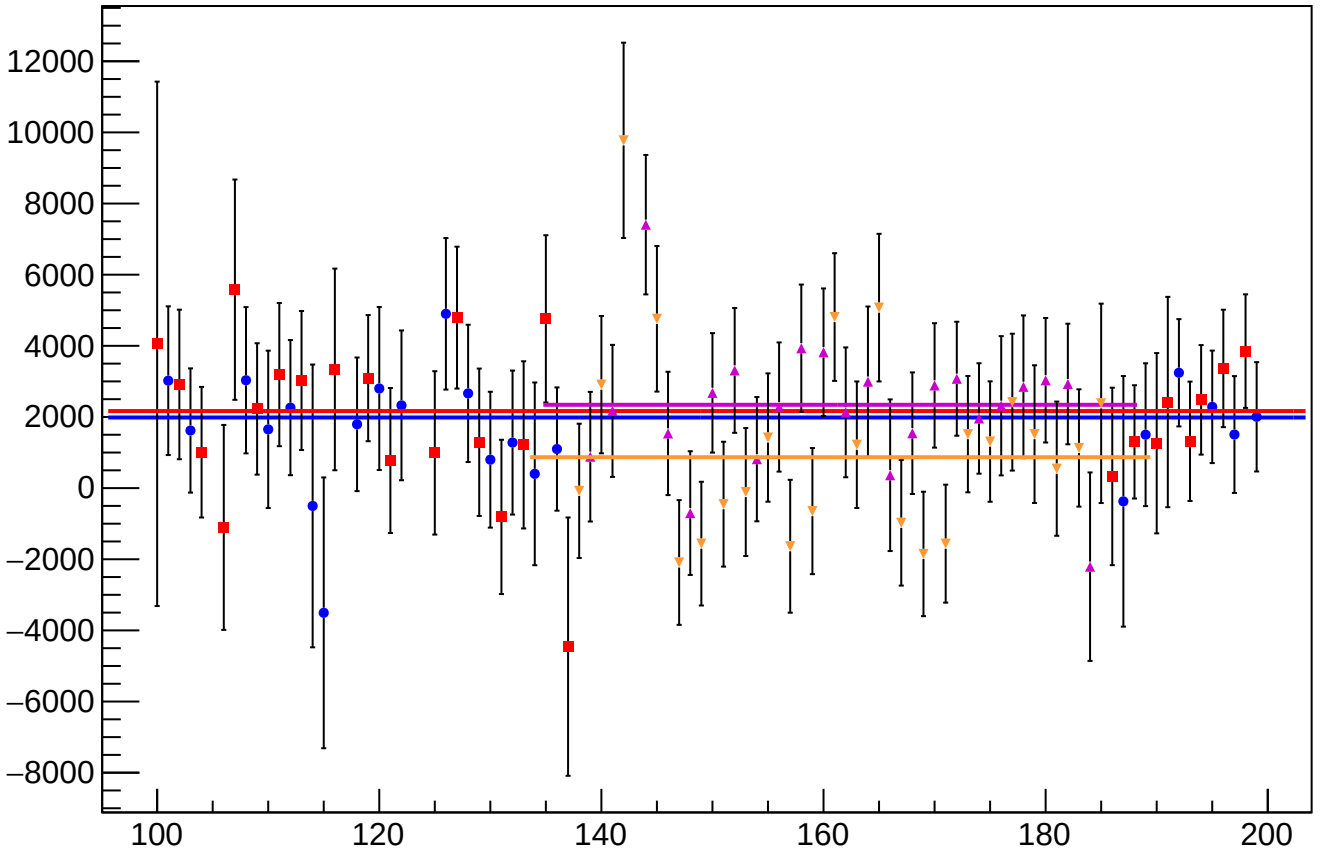
Left: 5326.577+/-0.633 χ^2/NDF: 2323858.4/46

Right: 3763.009+/-0.565 χ^2/NDF: 3489541.8/47

In: 4453.781+/-0.602 χ^2/NDF:4521355.1/44

Out: 4458.319+/-0.591 χ^2/NDF:4687130.1/49

All: 4456.091+/-0.422 χ^2/NDF: 9208514.2/94



Right In: 1985.253+/-424.041 χ^2/NDF: 7.7/21

Left Out: 868.415+/-377.179 χ^2/NDF:39.7/23

Right Out: 2166.242+/-410.386 χ^2/NDF: 16.1/25

Left In: 2342.303+/-378.114 χ^2/NDF:18.0/22

Left: 1603.536+/-267.036 χ^2/NDF: 65.4/46

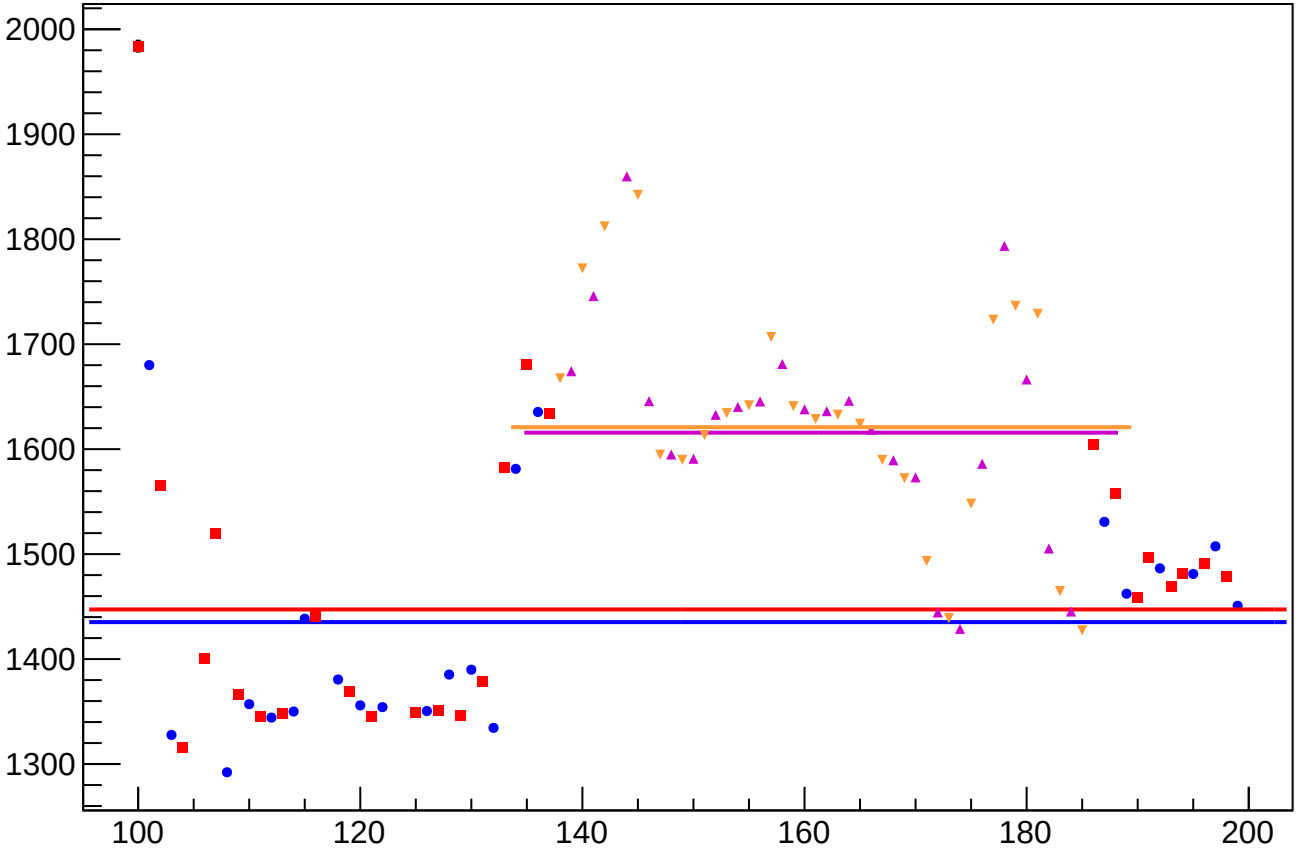
Right: 2078.709+/-294.896 χ^2/NDF: 23.9/47

In: 2184.154+/-282.213 χ^2/NDF:26.1/44

Out: 1462.705+/-277.705 χ^2/NDF:61.3/49

All: 1817.621+/-197.941 χ^2/NDF: 90.7/94

dit_asym_usl_atl2_avg_rms vs Slug, Sign Corrected



Right In: 1435.221+/-0.300 χ^2/NDF: 113407.9/21

Left Out: 1620.945+/-0.267 χ^2/NDF:141985.5/23

Right Out: 1447.285+/-0.290 χ^2/NDF: 120288.5/25

Left In: 1615.705+/-0.267 χ^2/NDF:137139.2/22

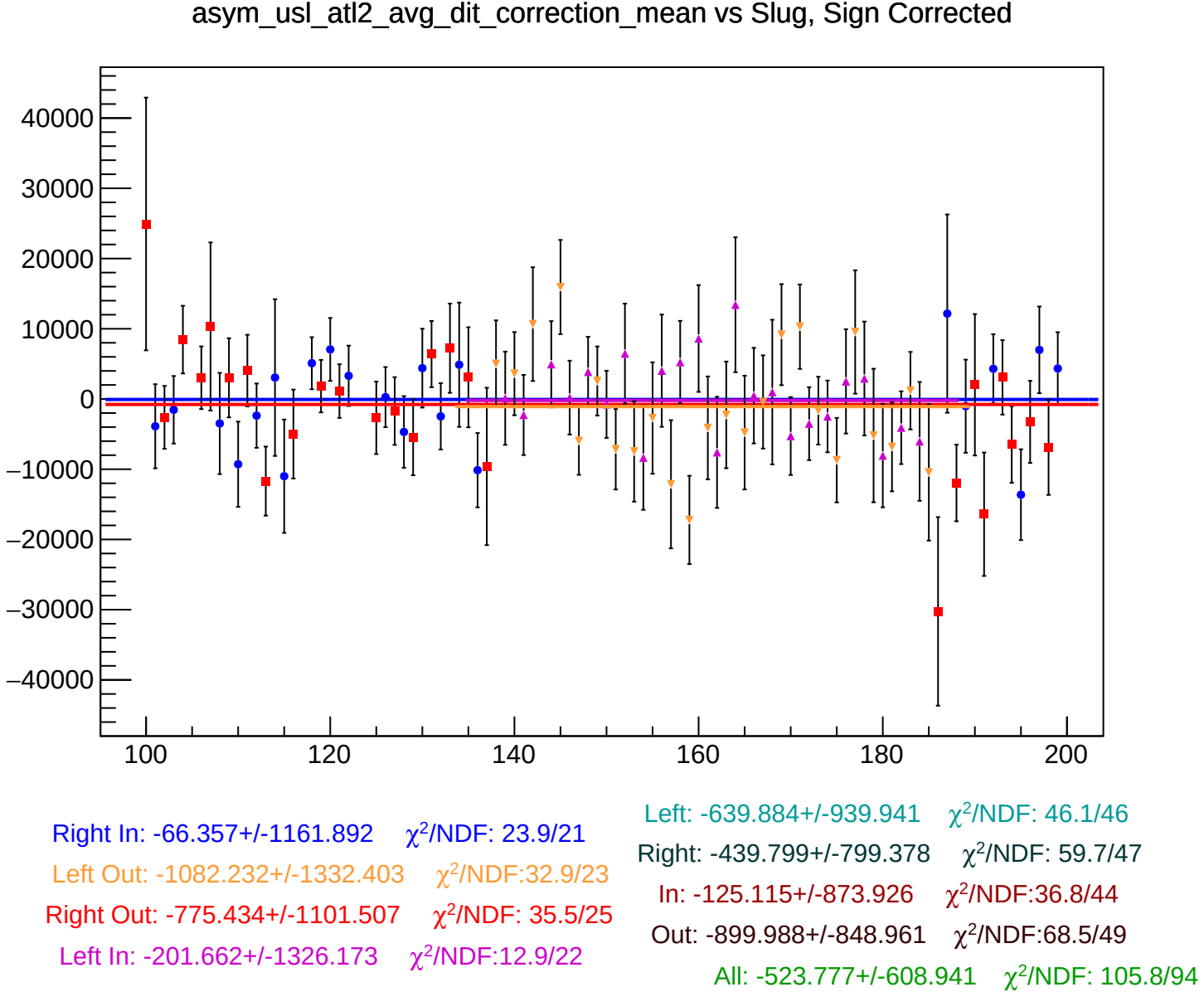
Left: 1618.331+/-0.189 χ^2/NDF: 279317.2/46

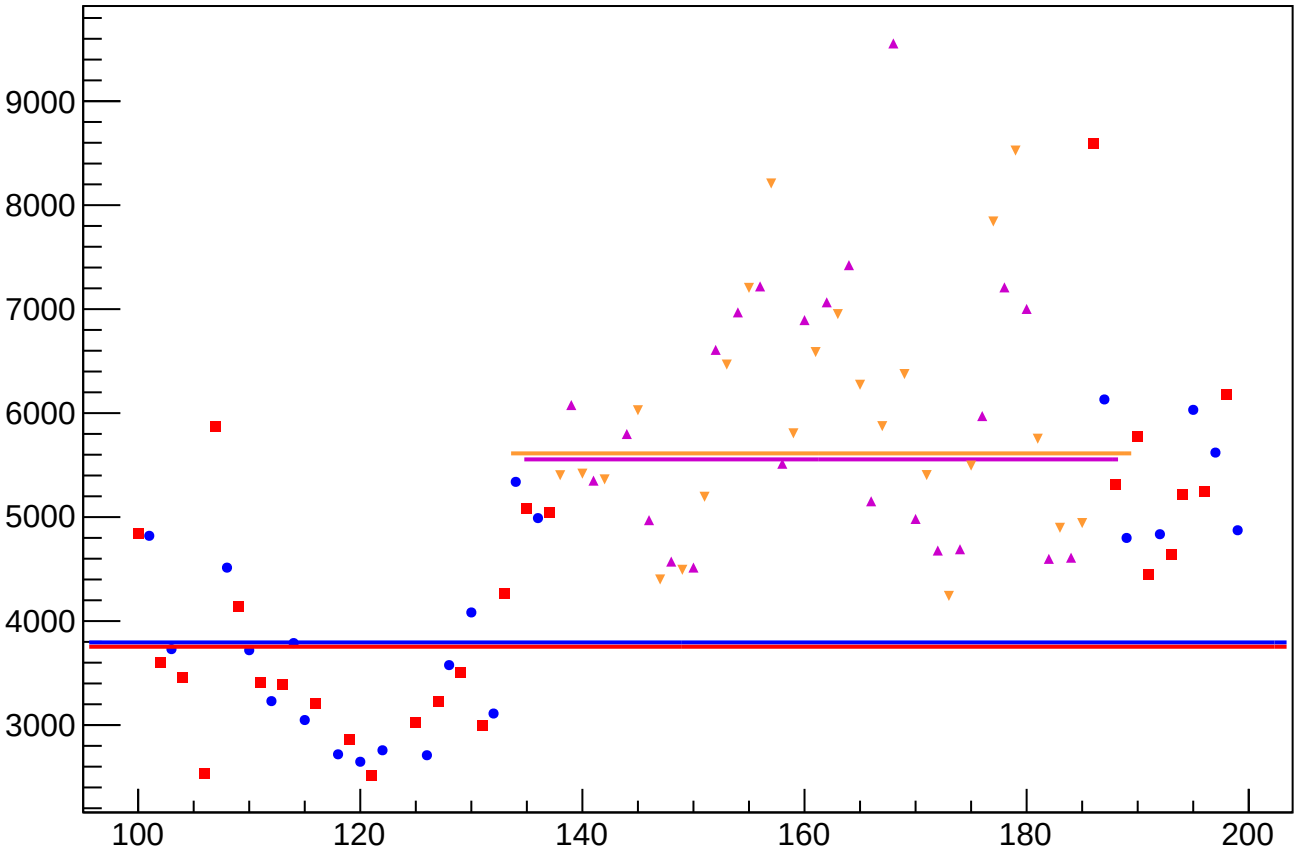
Right: 1441.460+/-0.208 χ^2/NDF: 234533.6/47

In: 1535.763+/-0.200 χ^2/NDF:452382.2/44

Out: 1541.285+/-0.196 χ^2/NDF:456752.8/49

All: 1538.571+/-0.140 χ^2/NDF: 909524.4/94


asym_usl_atl2_avg_dit_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
Right In: -66.357+/-1161.892 χ²/NDF: 23.9/21
Left Out: -1082.232+/-1332.403 χ²/NDF:32.9/23
Right Out: -775.434+/-1101.507 χ²/NDF: 35.5/25
Left In: -201.662+/-1326.173 χ²/NDF:12.9/22
Left: -639.884+/-939.941 χ²/NDF: 46.1/46
Right: -439.799+/-799.378 χ²/NDF: 59.7/47
In: -125.115+/-873.926 χ²/NDF:36.8/44
Out: -899.988+/-848.961 χ²/NDF:68.5/49
All: -523.777+/-608.941 χ²/NDF: 105.8/94



Right In: 3794.728+/-0.822 χ^2/NDF: 1578268.5/21

Left Out: 5612.730+/-0.942 χ^2/NDF:1188118.0/23

Right Out: 3753.187+/-0.779 χ^2/NDF: 1927073.2/25

Left In: 5554.927+/-0.938 χ^2/NDF:1332970.4/22

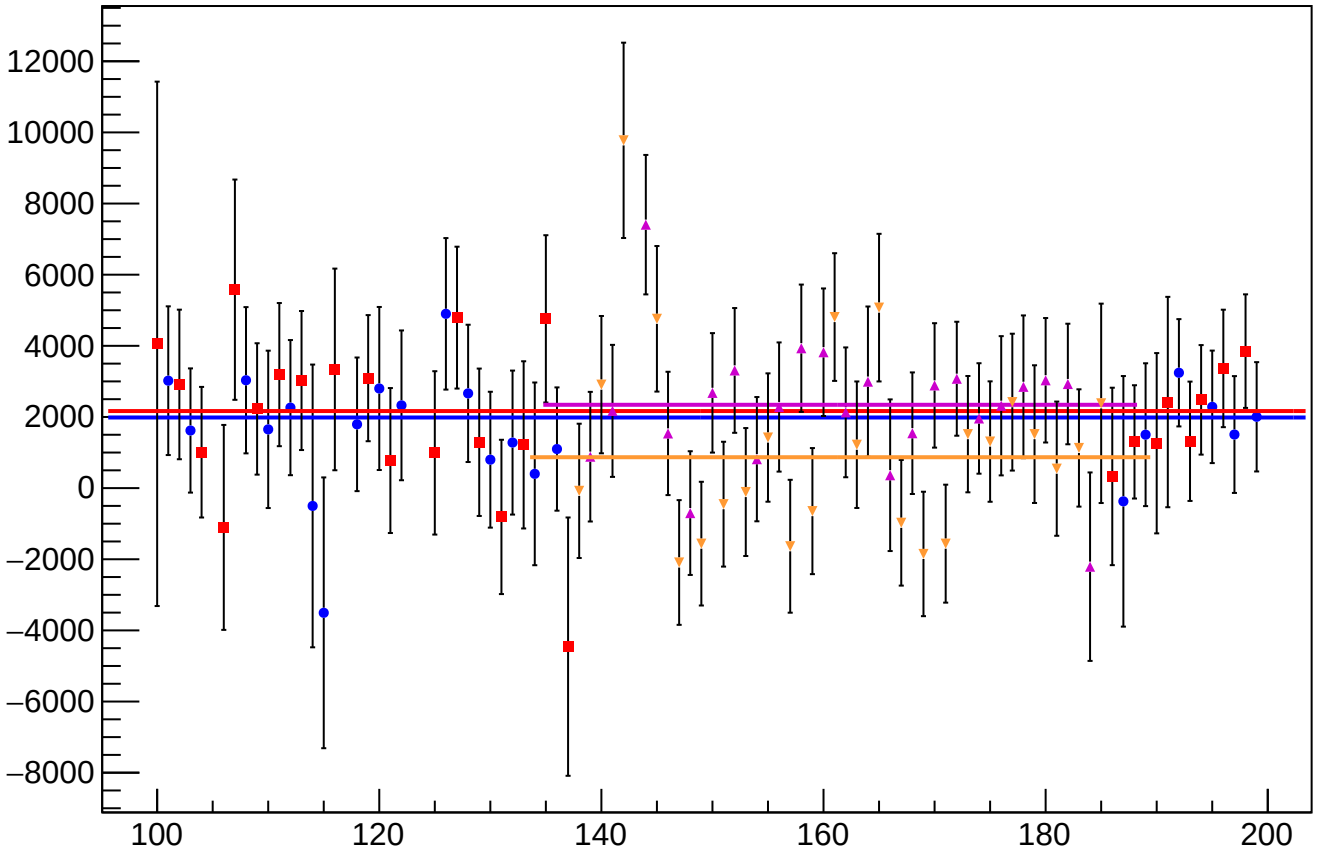
Left: 5583.693+/-0.665 χ^2/NDF: 2522979.3/46

Right: 3772.850+/-0.565 χ^2/NDF: 3506688.2/47

In: 4559.110+/-0.618 χ^2/NDF:4904529.5/44

Out: 4508.124+/-0.600 χ^2/NDF:5429240.8/49

All: 4532.878+/-0.431 χ^2/NDF: 10337272.5/9



Right In: 1985.251+/-424.041 χ^2/NDF: 7.7/21

Left Out: 868.410+/-377.180 χ^2/NDF:39.7/23

Right Out: 2166.241+/-410.386 χ^2/NDF: 16.1/25

Left In: 2342.303+/-378.114 χ^2/NDF:18.0/22

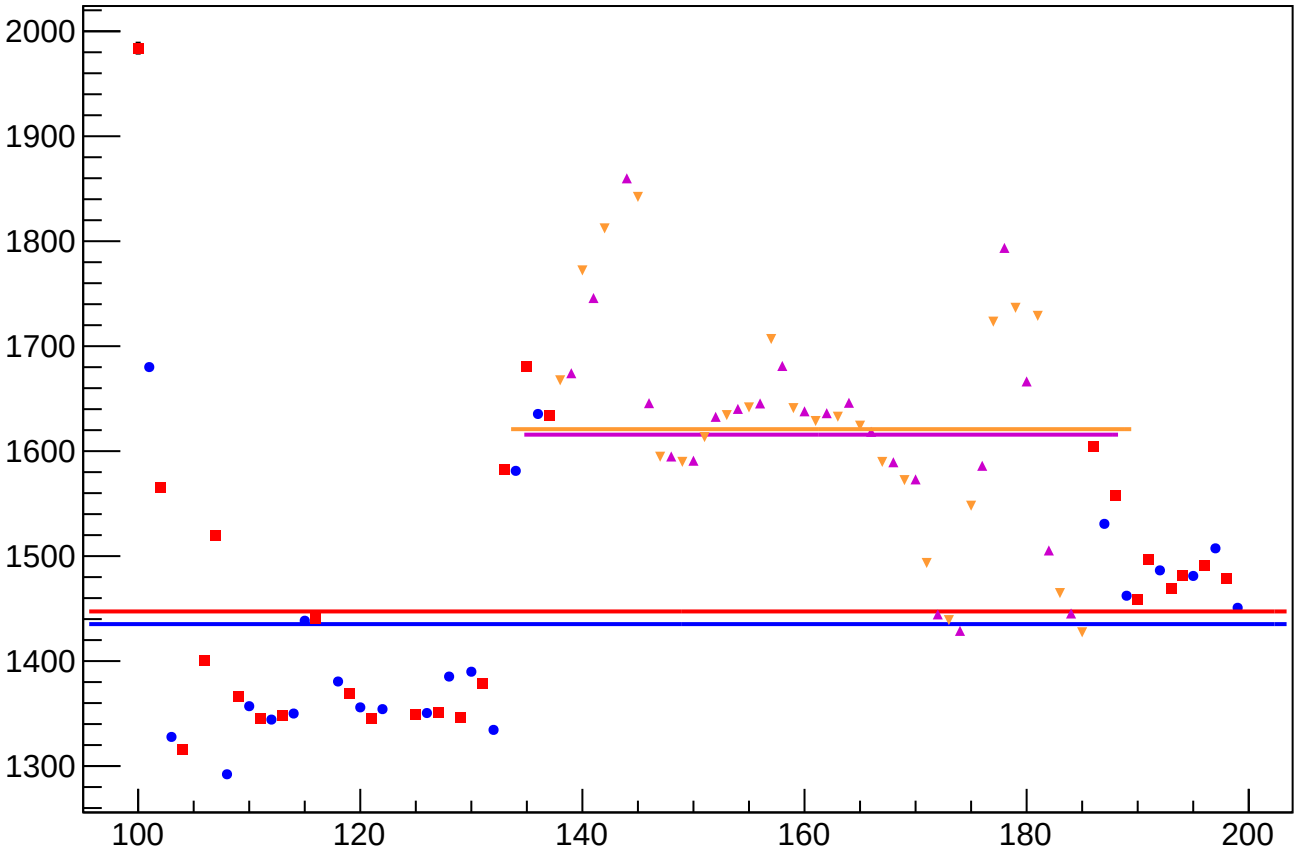
Left: 1603.533+/-267.036 χ^2/NDF: 65.4/46

Right: 2078.707+/-294.896 χ^2/NDF: 23.9/47

In: 2184.153+/-282.213 χ^2/NDF:26.1/44

Out: 1462.702+/-277.705 χ^2/NDF:61.3/49

All: 1817.619+/-197.941 χ^2/NDF: 90.7/94



Right In: 1435.221+/-0.300 χ^2/NDF: 113408.0/21

Left Out: 1620.946+/-0.267 χ^2/NDF:141990.3/23

Right Out: 1447.285+/-0.290 χ^2/NDF: 120288.6/25

Left In: 1615.706+/-0.267 χ^2/NDF:137144.0/22

Left: 1618.333+/-0.189 χ^2/NDF: 279326.8/46

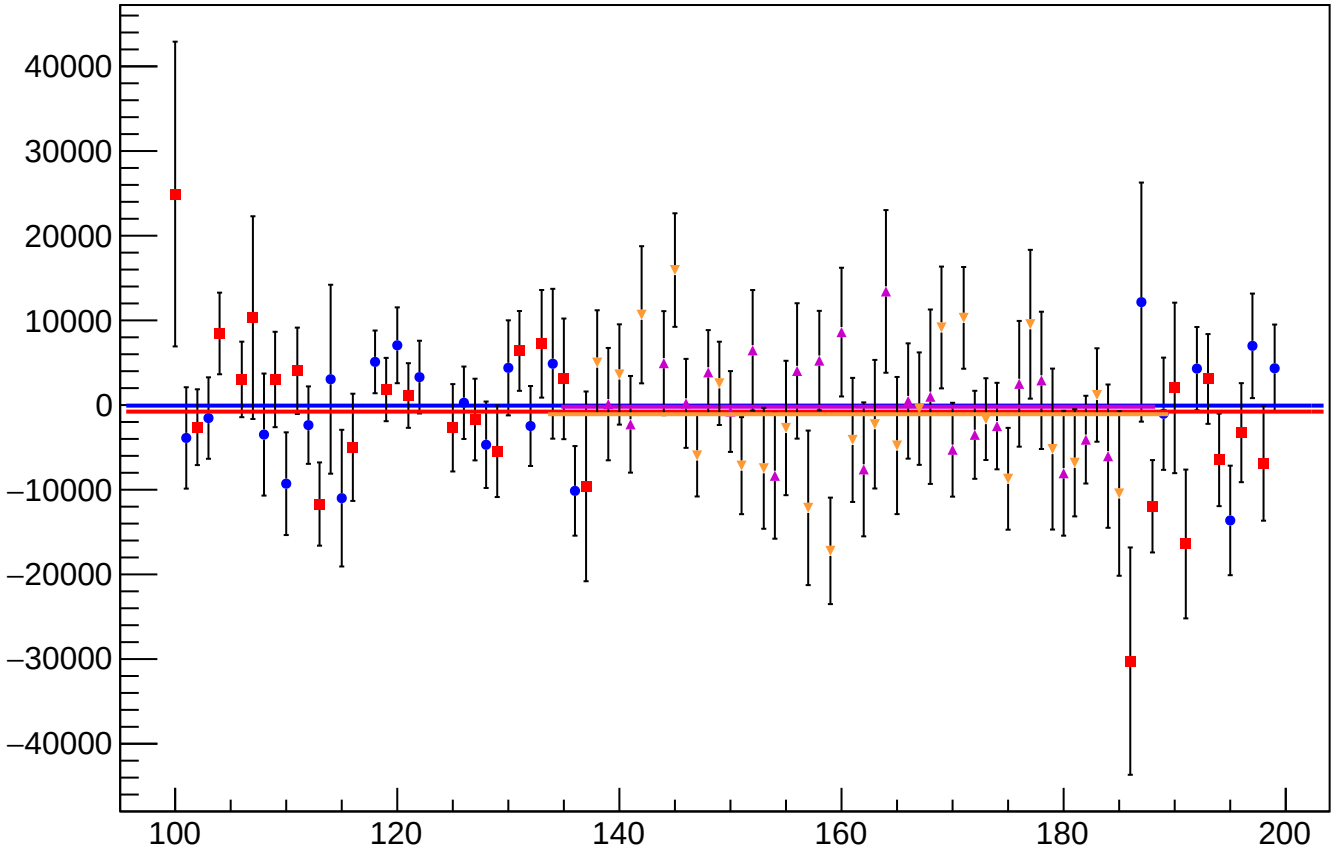
Right: 1441.460+/-0.208 χ^2/NDF: 234533.7/47

In: 1535.763+/-0.200 χ^2/NDF:452389.5/44

Out: 1541.286+/-0.196 χ^2/NDF:456760.6/49

All: 1538.571+/-0.140 χ^2/NDF: 909539.5/94

asym_usl_atl2_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -66.353+/-1161.890 χ^2/NDF: 23.9/21

Left Out: -1082.239+/-1332.405 χ^2/NDF:32.9/23

Right Out: -775.426+/-1101.505 χ^2/NDF: 35.5/25

Left In: -201.663+/-1326.175 χ^2/NDF:12.9/22

Left: -639.888+/-939.942 χ^2/NDF: 46.1/46

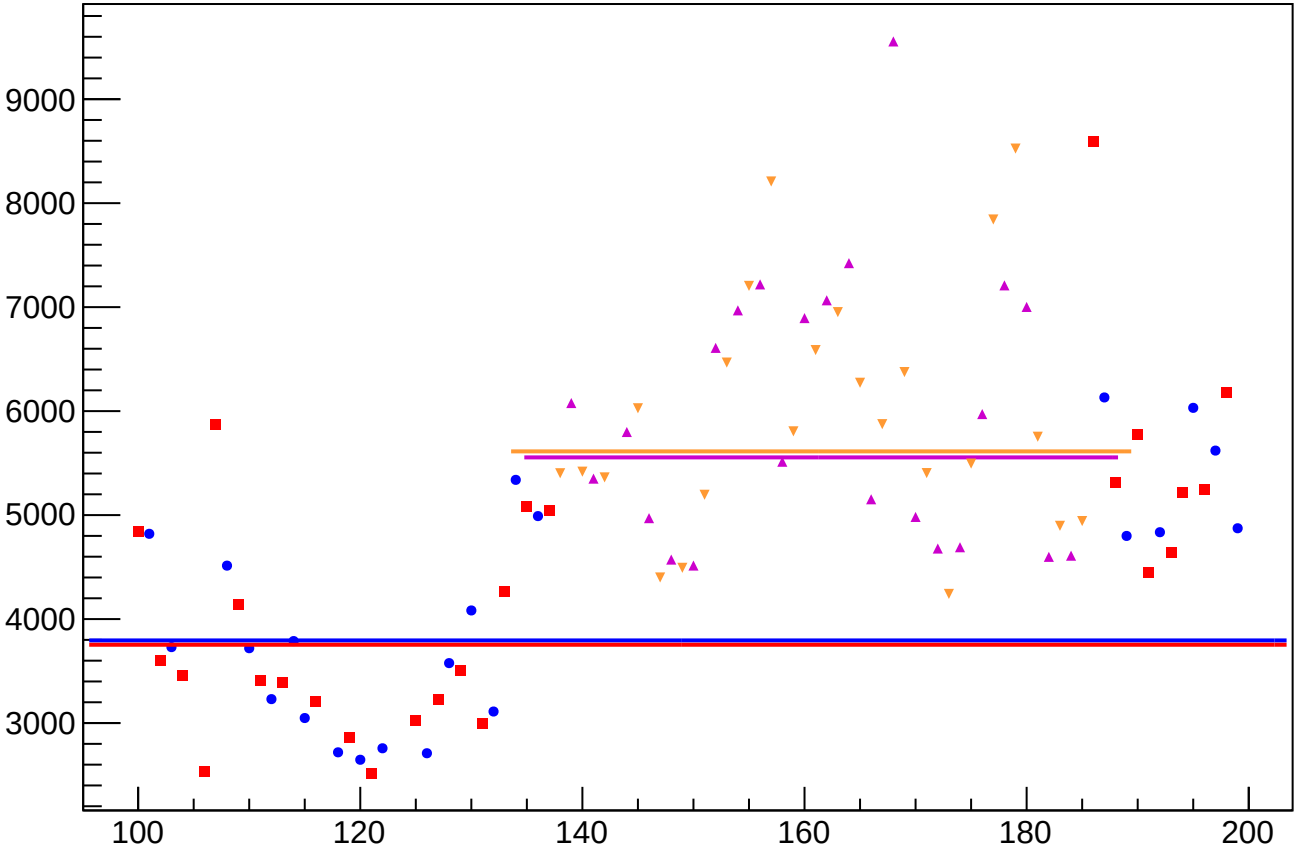
Right: -439.794+/-799.377 χ^2/NDF: 59.7/47

In: -125.112+/-873.926 χ^2/NDF:36.8/44

Out: -899.986+/-848.961 χ^2/NDF:68.5/49

All: -523.775+/-608.940 χ^2/NDF: 105.8/94

asym_usl_atl2_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 3794.718+/-0.822 χ^2/NDF: 1578293.4/21

Left Out: 5612.739+/-0.942 χ^2/NDF:1188118.8/23

Right Out: 3753.178+/-0.779 χ^2/NDF: 1927094.2/25

Left In: 5554.935+/-0.938 χ^2/NDF:1332972.0/22

Left: 5583.702+/-0.665 χ^2/NDF: 2522981.7/46

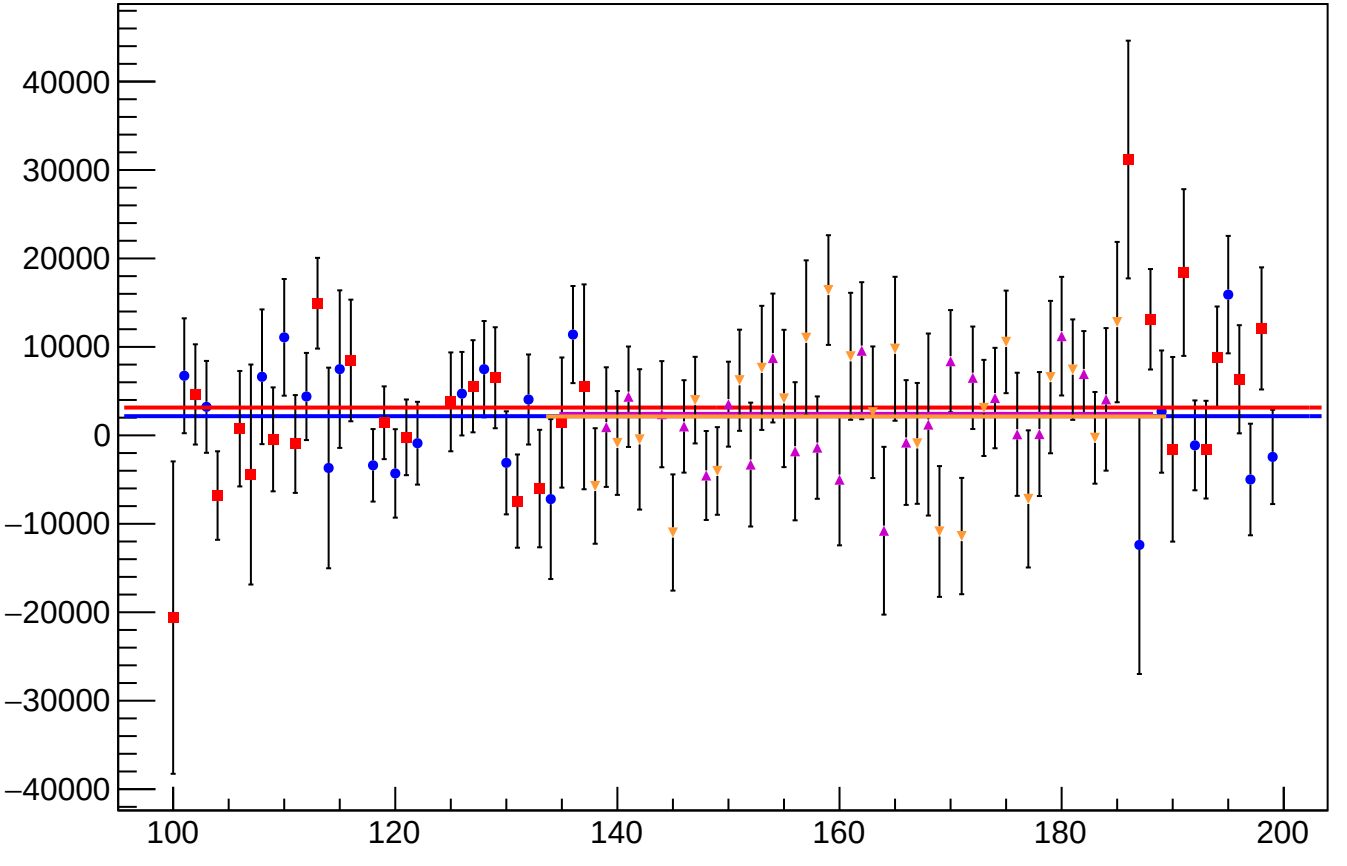
Right: 3772.840+/-0.565 χ^2/NDF: 3506733.9/47

In: 4559.105+/-0.618 χ^2/NDF:4904597.5/44

Out: 4508.119+/-0.600 χ^2/NDF:5429306.2/49

All: 4532.873+/-0.431 χ^2/NDF: 10337406.0/9

asym_usl_atl2_avg_mean vs Slug, Sign Corrected



Right In: 2168.540+/-1243.060 χ^2/NDF: 21.3/21

Left Out: 2138.140+/-1324.387 χ^2/NDF:30.7/23

Right Out: 3143.089+/-1202.969 χ^2/NDF: 34.5/25

Left In: 2428.059+/-1321.080 χ^2/NDF:12.9/22

Left: 2283.462+/-935.312 χ^2/NDF: 43.6/46

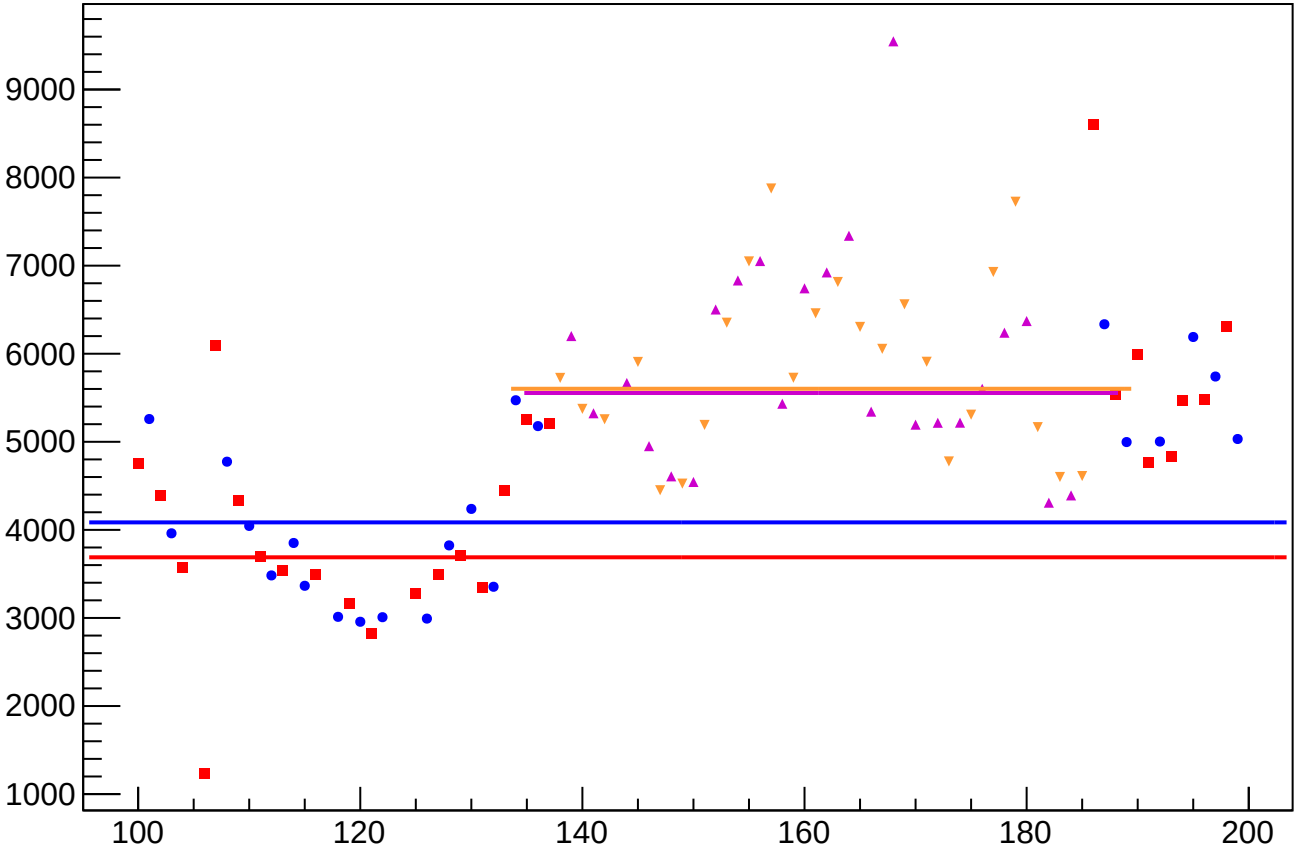
Right: 2671.783+/-864.454 χ^2/NDF: 56.1/47

In: 2290.410+/-905.302 χ^2/NDF:34.2/44

Out: 2688.782+/-890.466 χ^2/NDF:65.5/49

All: 2492.887+/-634.835 χ^2/NDF: 99.8/94

asym_usl_atl2_avg_rms vs Slug, Sign Corrected



Right In: 4085.090+/-0.879 χ^2/NDF: 1301483.4/21

Left Out: 5602.266+/-0.936 χ^2/NDF:940451.0/23

Right Out: 3688.614+/-0.795 χ^2/NDF: 3265660.0/25

Left In: 5554.054+/-0.934 χ^2/NDF:1112177.4/22

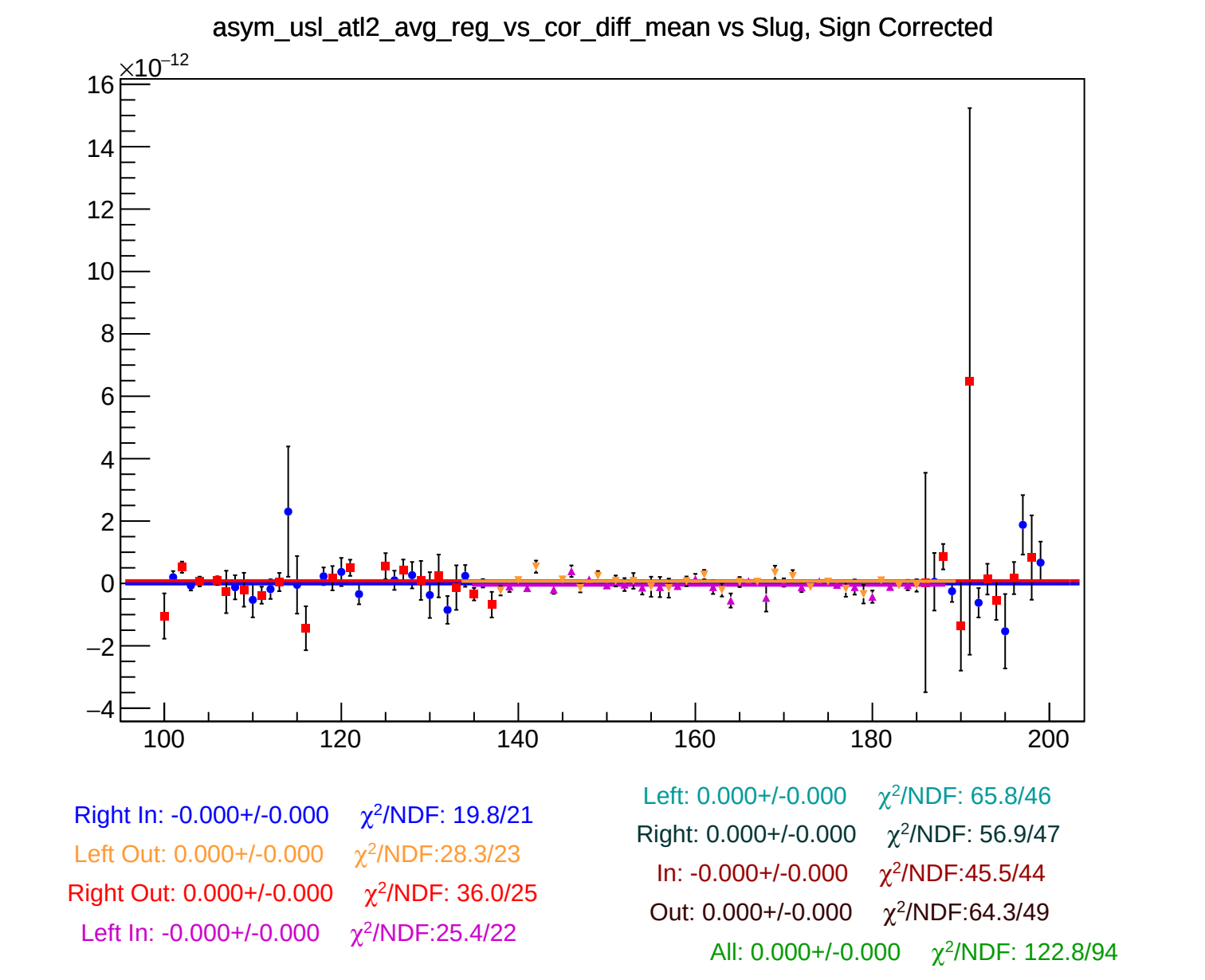
Left: 5578.100+/-0.661 χ^2/NDF: 2053956.9/46

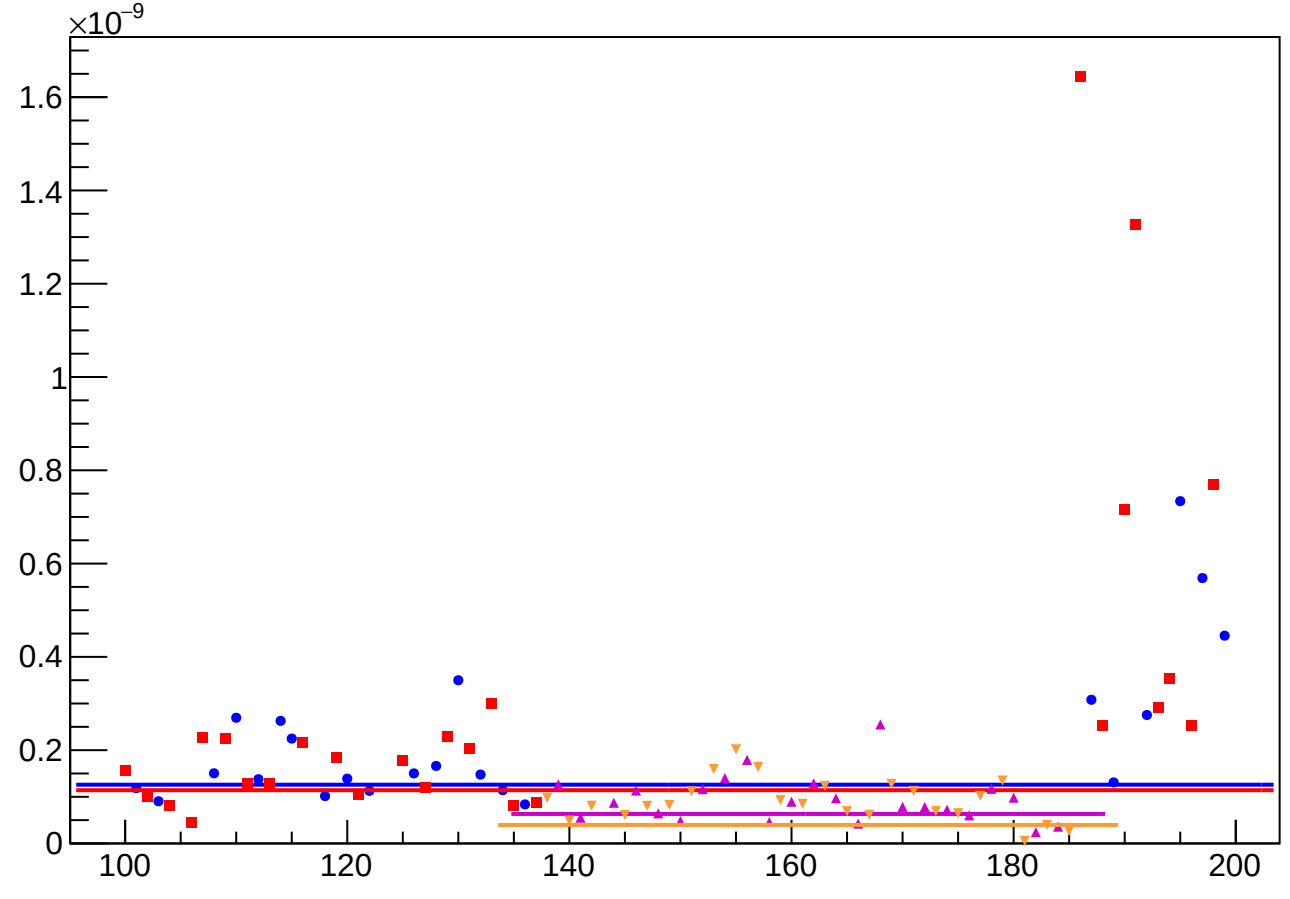
Right: 3866.968+/-0.590 χ^2/NDF: 4679077.3/47

In: 4774.916+/-0.640 χ^2/NDF:3725250.4/44

Out: 4489.896+/-0.606 χ^2/NDF:6633348.1/49

All: 4624.598+/-0.440 χ^2/NDF: 10463149.6/9


asym_usl_atl2_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
16
14
12
10
8
6
4
2
0
−2
−4
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 19.8/21
Left Out: 0.000+/-0.000 χ²/NDF:28.3/23
Right Out: 0.000+/-0.000 χ²/NDF: 36.0/25
Left In: -0.000+/-0.000 χ²/NDF:25.4/22
Left: 0.000+/-0.000 χ²/NDF: 65.8/46
Right: 0.000+/-0.000 χ²/NDF: 56.9/47
In: -0.000+/-0.000 χ²/NDF:45.5/44
Out: 0.000+/-0.000 χ²/NDF:64.3/49
All: 0.000+/-0.000 χ²/NDF: 122.8/94



Right In: 0.000+/-0.000 χ^2/NDF: 2401960.1/21

Left Out: 0.000+/-0.000 χ^2/NDF:6954816.0/23

Right Out: 0.000+/-0.000 χ^2/NDF: 3367545.1/25

Left In: 0.000+/-0.000 χ^2/NDF:2922990.6/22

Left: 0.000+/-0.000 χ^2/NDF: 10753766.3/46

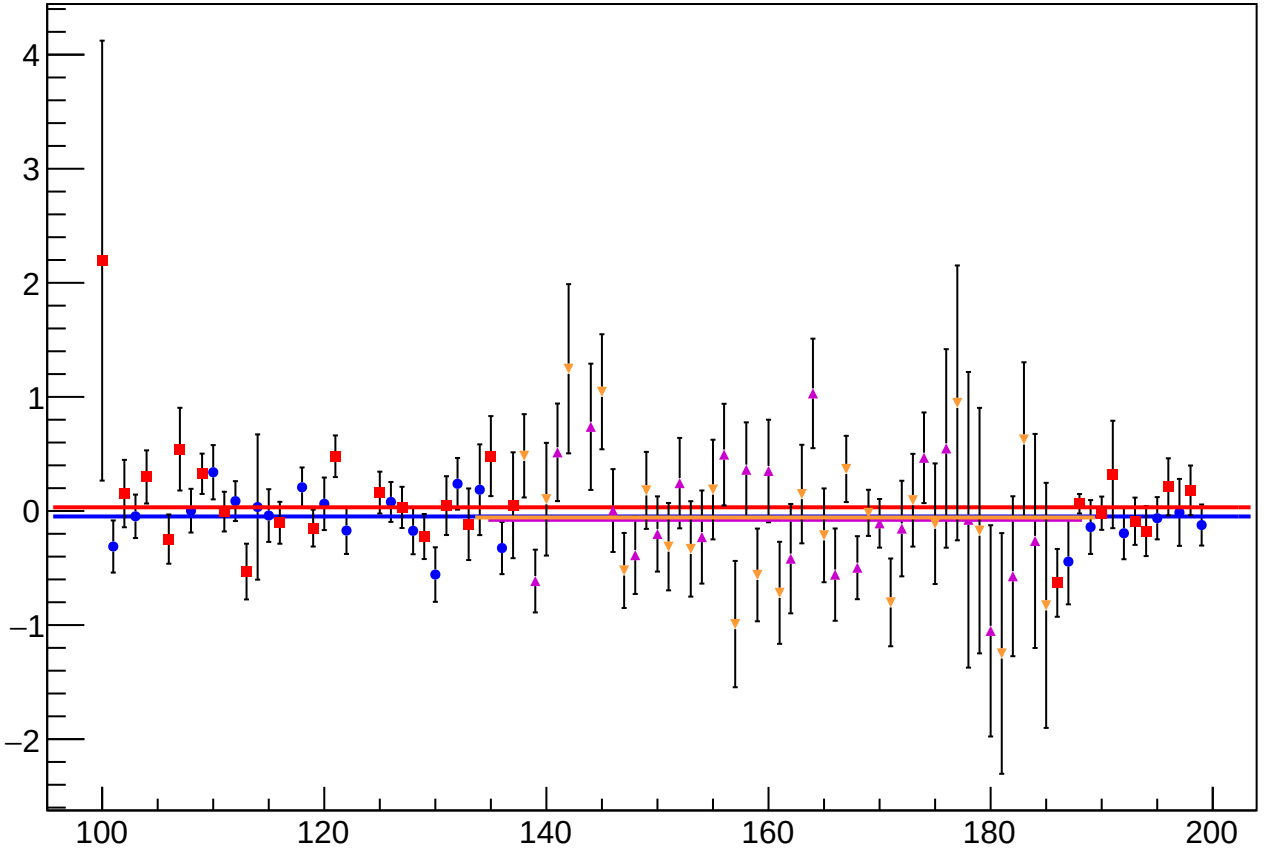
Right: 0.000+/-0.000 χ^2/NDF: 5801805.0/47

In: 0.000+/-0.000 χ^2/NDF:6799354.1/44

Out: 0.000+/-0.000 χ^2/NDF:12793619.0/49

All: 0.000+/-0.000 χ^2/NDF: 20702900.7/94

asym_usl_atl2_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.048+/-0.047 χ^2/NDF: 18.2/21

Left Out: -0.057+/-0.085 χ^2/NDF:30.4/23

Right Out: 0.032+/-0.039 χ^2/NDF: 34.2/25

Left In: -0.077+/-0.083 χ^2/NDF:27.0/22

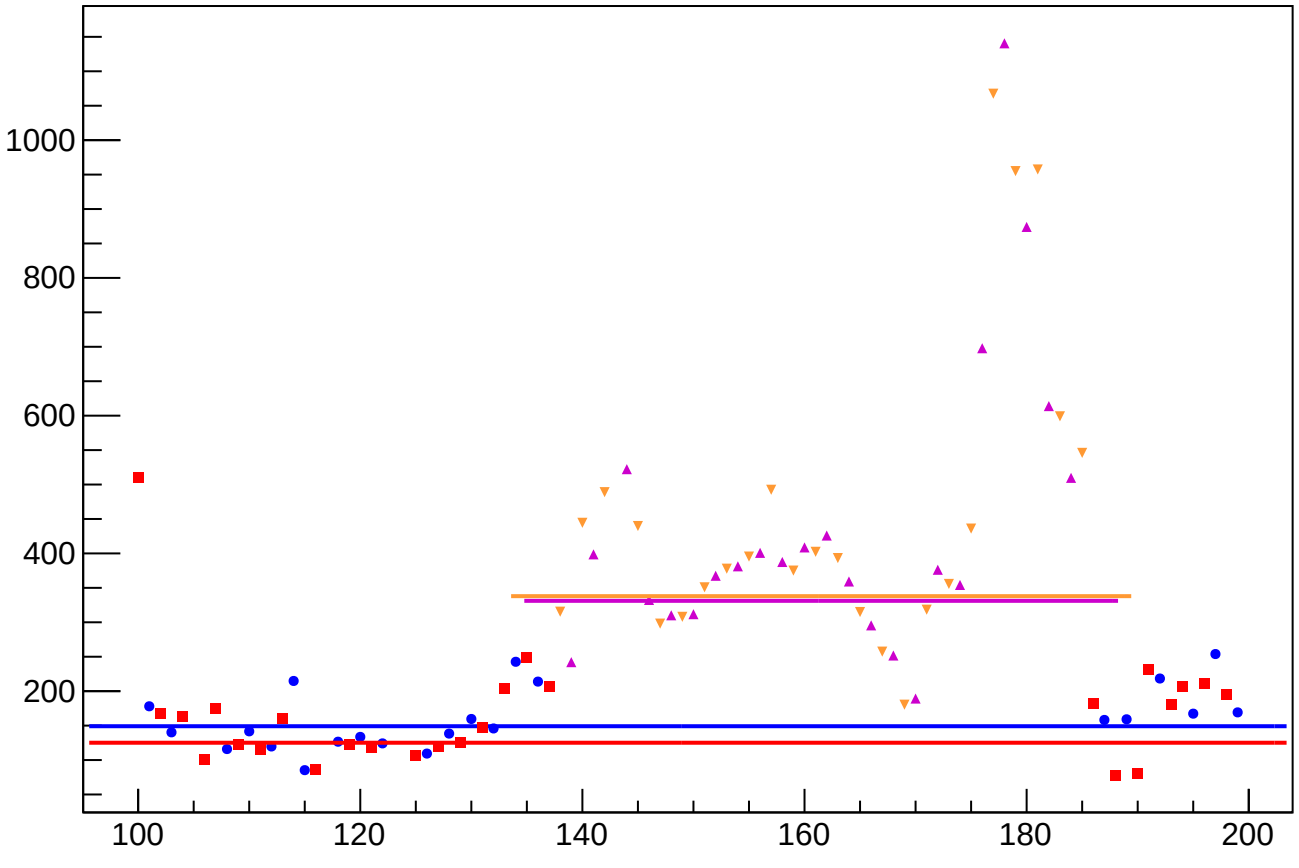
Left: -0.067+/-0.060 χ^2/NDF: 57.4/46

Right: -0.001+/-0.030 χ^2/NDF: 54.1/47

In: -0.055+/-0.041 χ^2/NDF:45.3/44

Out: 0.017+/-0.036 χ^2/NDF:65.5/49

All: -0.015+/-0.027 χ^2/NDF: 112.5/94



Right In: 149.103+/-0.033 χ^2/NDF: 1274098.8/21

Left Out: 337.937+/-0.060 χ^2/NDF:4517129.8/23

Right Out: 125.130+/-0.028 χ^2/NDF: 2714918.3/25

Left In: 331.158+/-0.059 χ^2/NDF:4106959.8/22

Left: 334.465+/-0.042 χ^2/NDF: 8630534.0/46

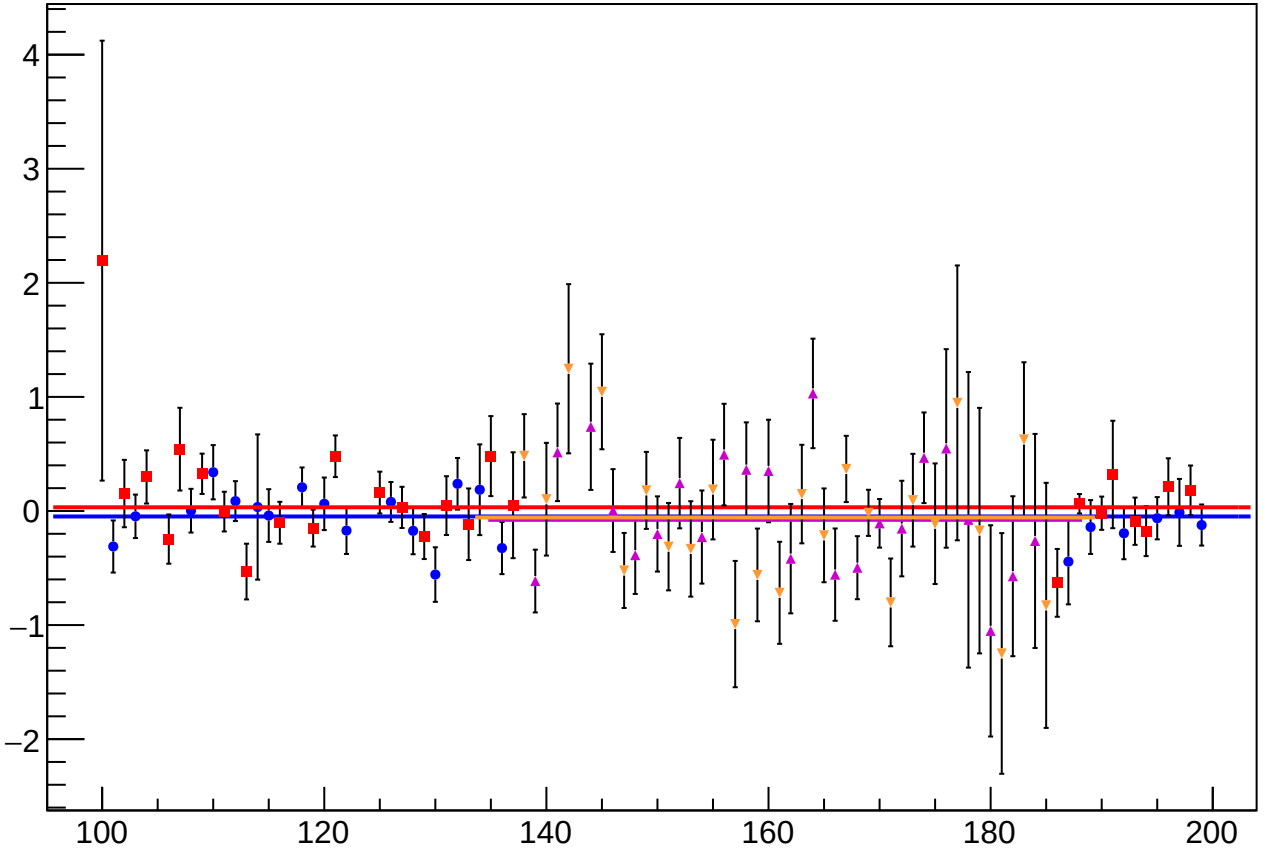
Right: 135.067+/-0.021 χ^2/NDF: 4296131.4/47

In: 192.707+/-0.029 χ^2/NDF:12626305.6/44

Out: 162.413+/-0.025 χ^2/NDF:17460853.4/49

All: 175.570+/-0.019 χ^2/NDF: 30710184.3/94

asym_usl_atl2_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.048+/-0.047 χ^2/NDF: 18.2/21

Left Out: -0.057+/-0.085 χ^2/NDF:30.4/23

Right Out: 0.032+/-0.039 χ^2/NDF: 34.2/25

Left In: -0.077+/-0.083 χ^2/NDF:27.0/22

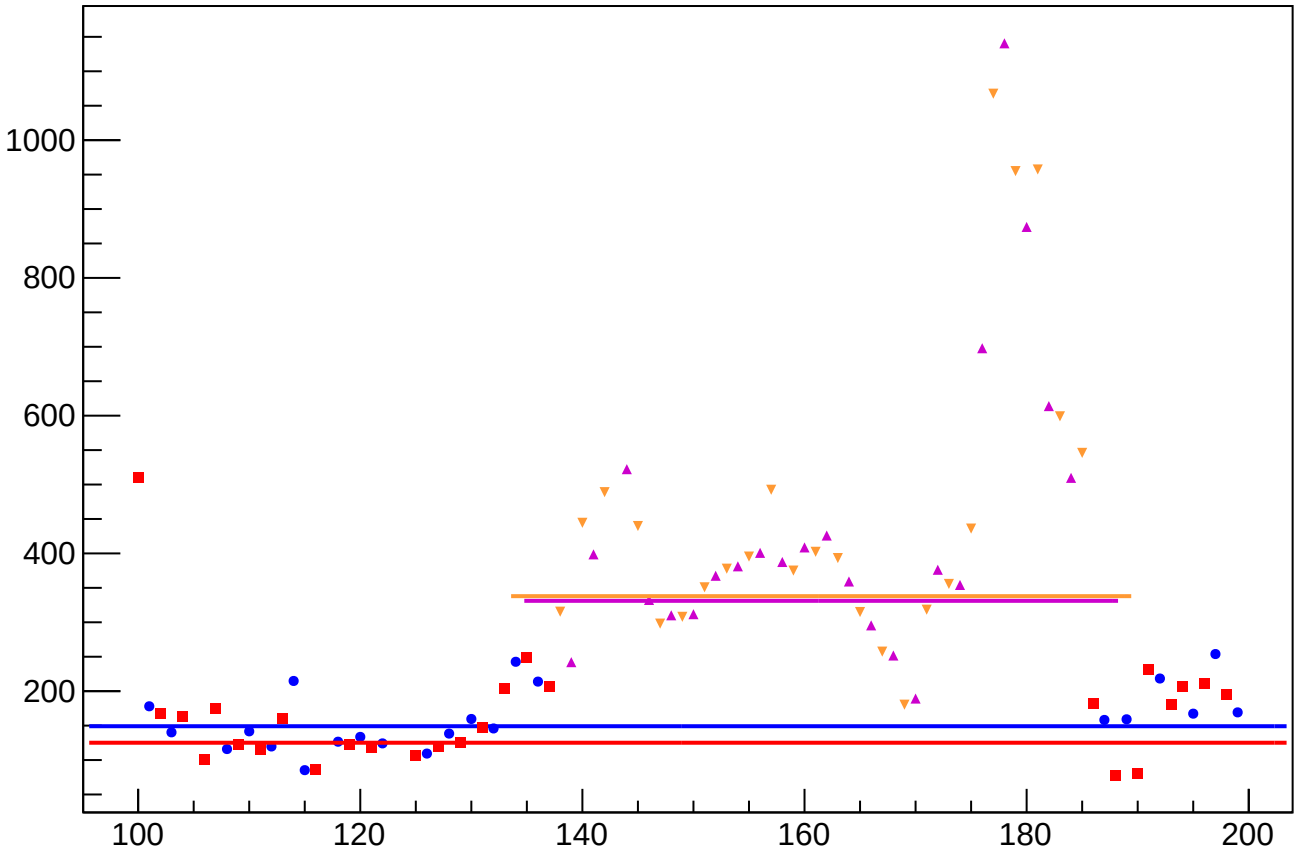
Left: -0.067+/-0.060 χ^2/NDF: 57.4/46

Right: -0.001+/-0.030 χ^2/NDF: 54.1/47

In: -0.055+/-0.041 χ^2/NDF:45.3/44

Out: 0.017+/-0.036 χ^2/NDF:65.5/49

All: -0.015+/-0.027 χ^2/NDF: 112.5/94



Right In: 149.103+/-0.033 χ^2/NDF: 1274098.8/21

Left Out: 337.937+/-0.060 χ^2/NDF:4517129.8/23

Right Out: 125.130+/-0.028 χ^2/NDF: 2714918.3/25

Left In: 331.158+/-0.059 χ^2/NDF:4106959.8/22

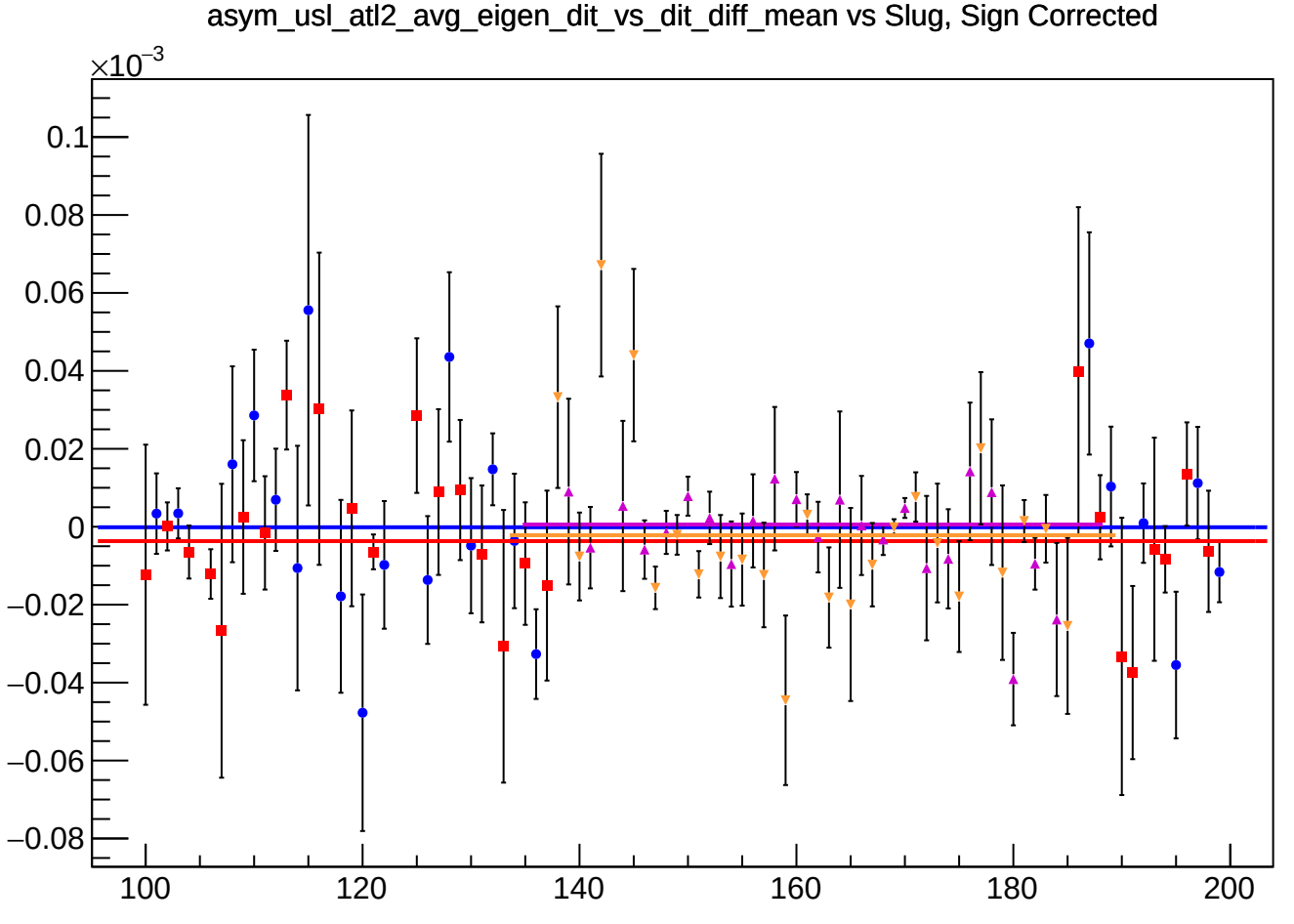
Left: 334.465+/-0.042 χ^2/NDF: 8630534.0/46

Right: 135.067+/-0.021 χ^2/NDF: 4296131.4/47

In: 192.707+/-0.029 χ^2/NDF:12626305.6/44

Out: 162.413+/-0.025 χ^2/NDF:17460853.4/49

All: 175.570+/-0.019 χ^2/NDF: 30710184.3/94



Right In: -0.000+/-0.000 χ^2/NDF: 33.7/21

Left Out: -0.000+/-0.000 χ^2/NDF:37.9/23

Right Out: -0.000+/-0.000 χ^2/NDF: 22.2/25

Left In: 0.000+/-0.000 χ^2/NDF:26.2/22

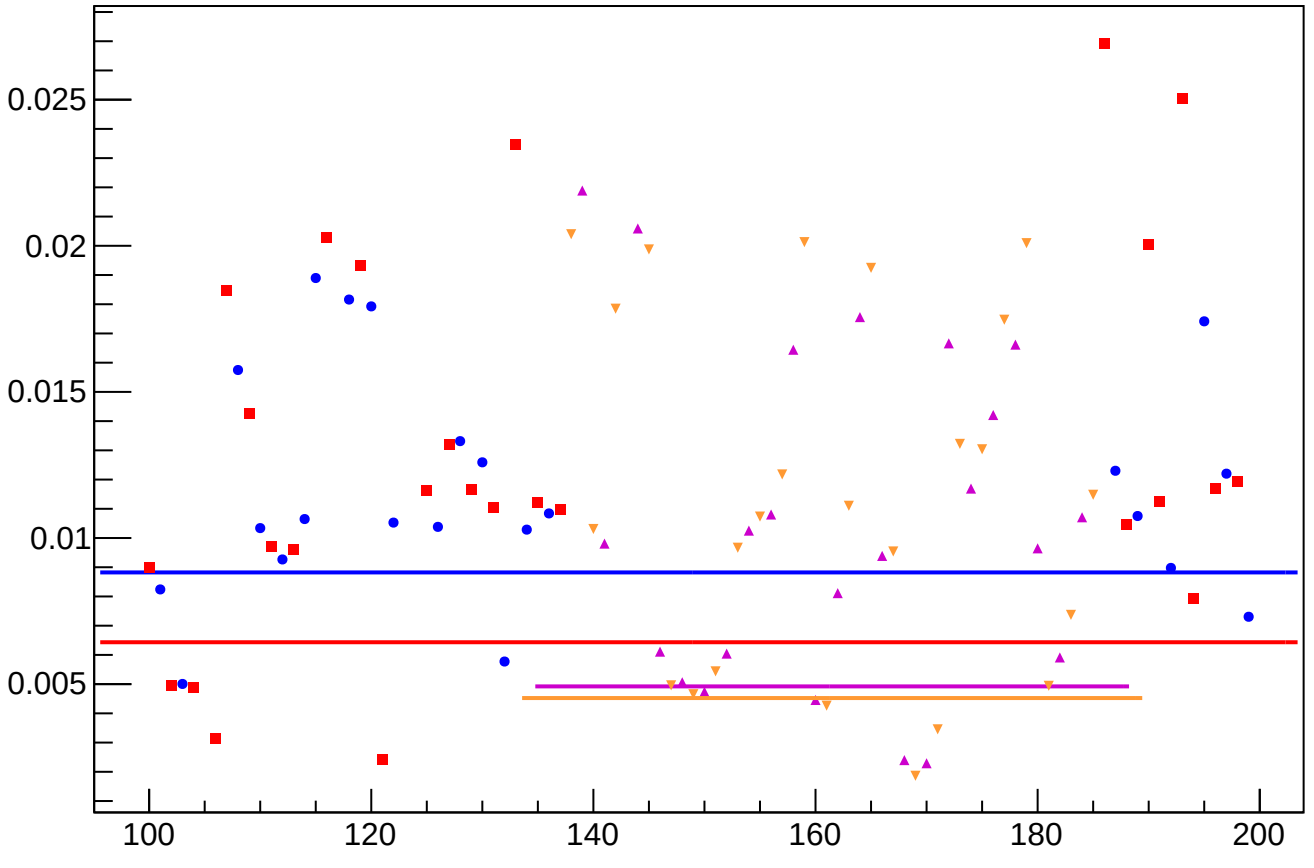
Left: -0.000+/-0.000 χ^2/NDF: 65.9/46

Right: -0.000+/-0.000 χ^2/NDF: 56.8/47

In: 0.000+/-0.000 χ^2/NDF:60.0/44

Out: -0.000+/-0.000 χ^2/NDF:60.4/49

All: -0.000+/-0.000 χ^2/NDF: 123.2/94



Right In: 0.009+/-0.000 χ^2/NDF: 2611570.0/21

Left Out: 0.005+/-0.000 χ^2/NDF:14239550.6/23

Right Out: 0.006+/-0.000 χ^2/NDF: 7854191.3/25

Left In: 0.005+/-0.000 χ^2/NDF:11626984.8/22

Left: 0.005+/-0.000 χ^2/NDF: 25942497.2/46

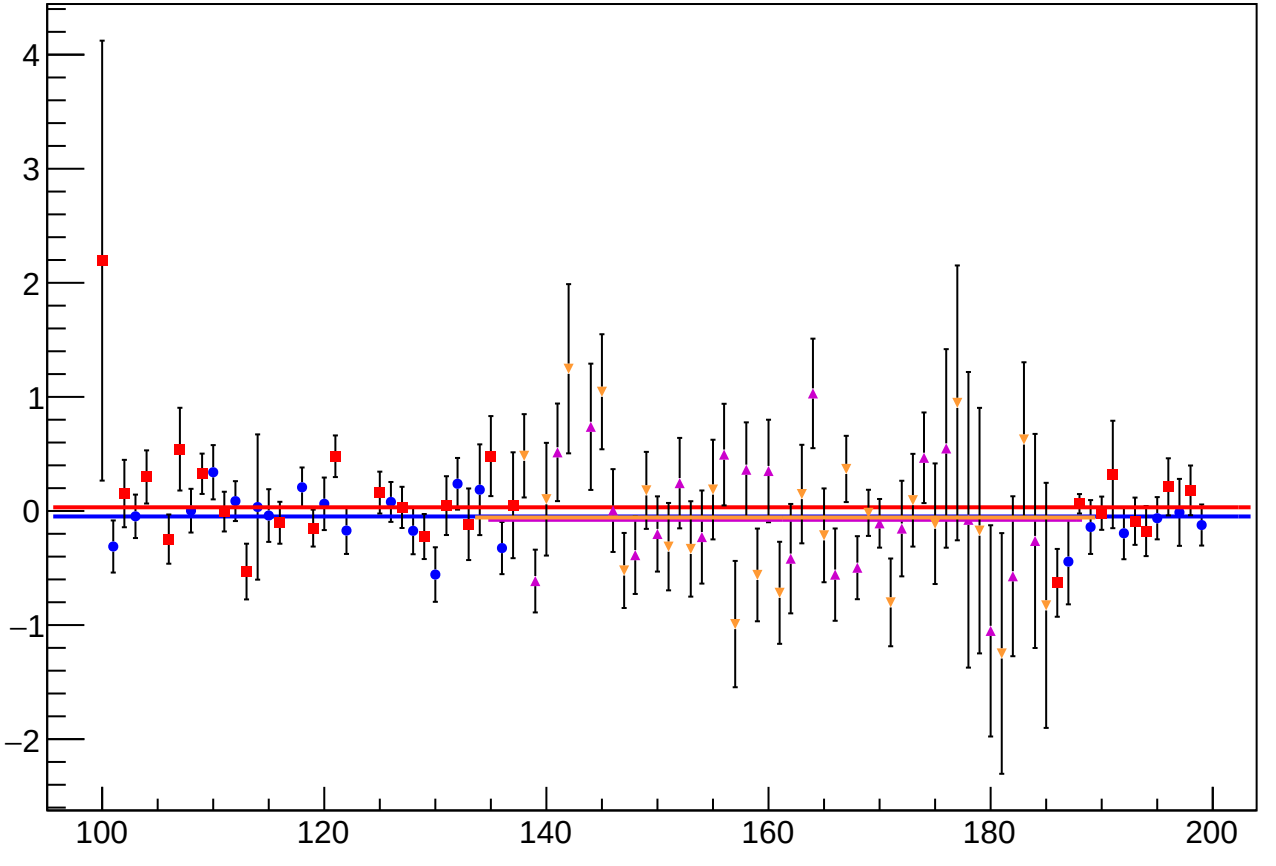
Right: 0.007+/-0.000 χ^2/NDF: 11326040.2/47

In: 0.006+/-0.000 χ^2/NDF:17183874.4/44

Out: 0.005+/-0.000 χ^2/NDF:23116513.2/49

All: 0.005+/-0.000 χ^2/NDF: 40623213.2/94

asym_usl_atl2_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.048+/-0.047 χ^2/NDF: 18.2/21

Left Out: -0.057+/-0.085 χ^2/NDF:30.4/23

Right Out: 0.032+/-0.039 χ^2/NDF: 34.2/25

Left In: -0.077+/-0.083 χ^2/NDF:27.0/22

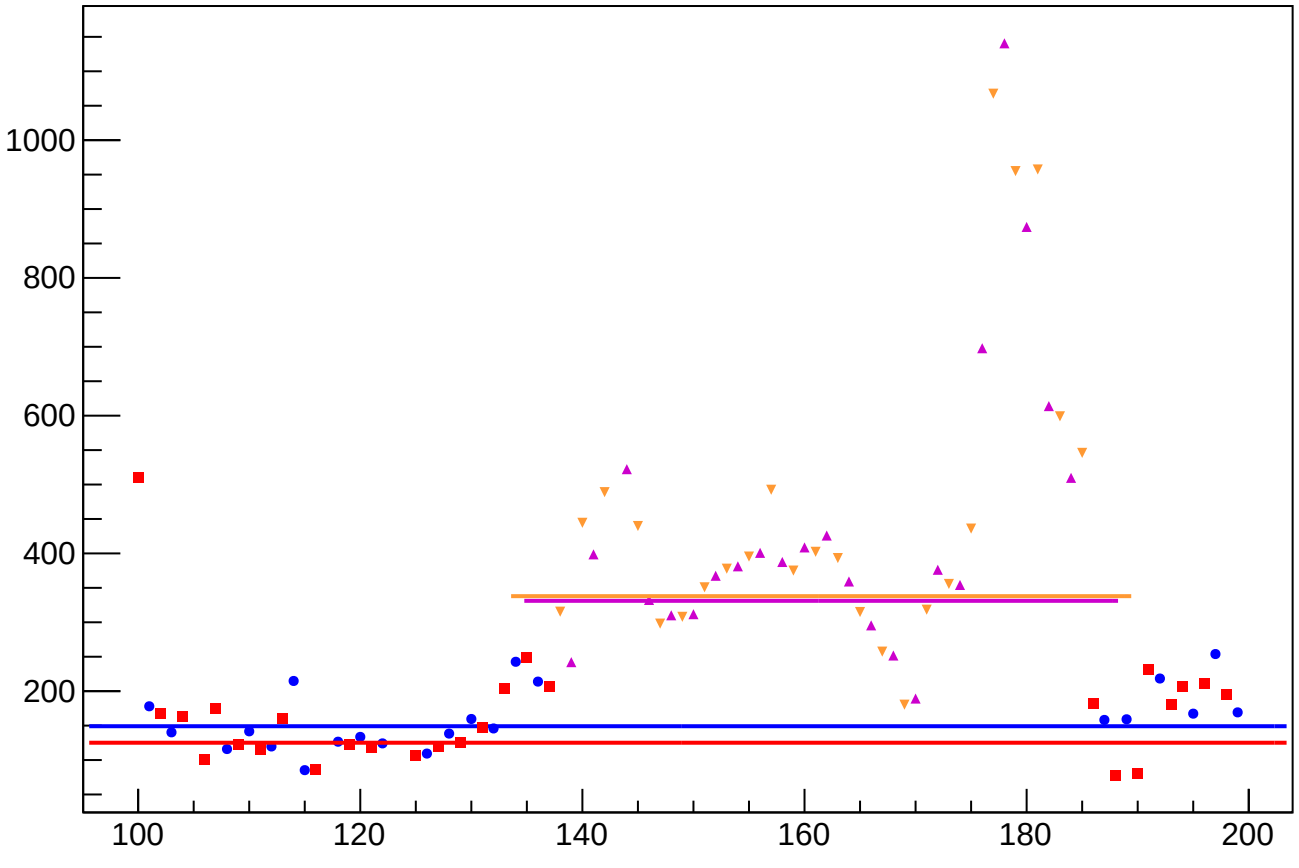
Left: -0.067+/-0.060 χ^2/NDF: 57.4/46

Right: -0.001+/-0.030 χ^2/NDF: 54.1/47

In: -0.055+/-0.041 χ^2/NDF:45.3/44

Out: 0.017+/-0.036 χ^2/NDF:65.5/49

All: -0.015+/-0.027 χ^2/NDF: 112.5/94



Right In: 149.103+/-0.033 χ^2/NDF: 1274067.2/21

Left Out: 337.939+/-0.060 χ^2/NDF:4517201.8/23

Right Out: 125.129+/-0.028 χ^2/NDF: 2715030.2/25

Left In: 331.161+/-0.059 χ^2/NDF:4106963.1/22

Left: 334.468+/-0.042 χ^2/NDF: 8630607.3/46

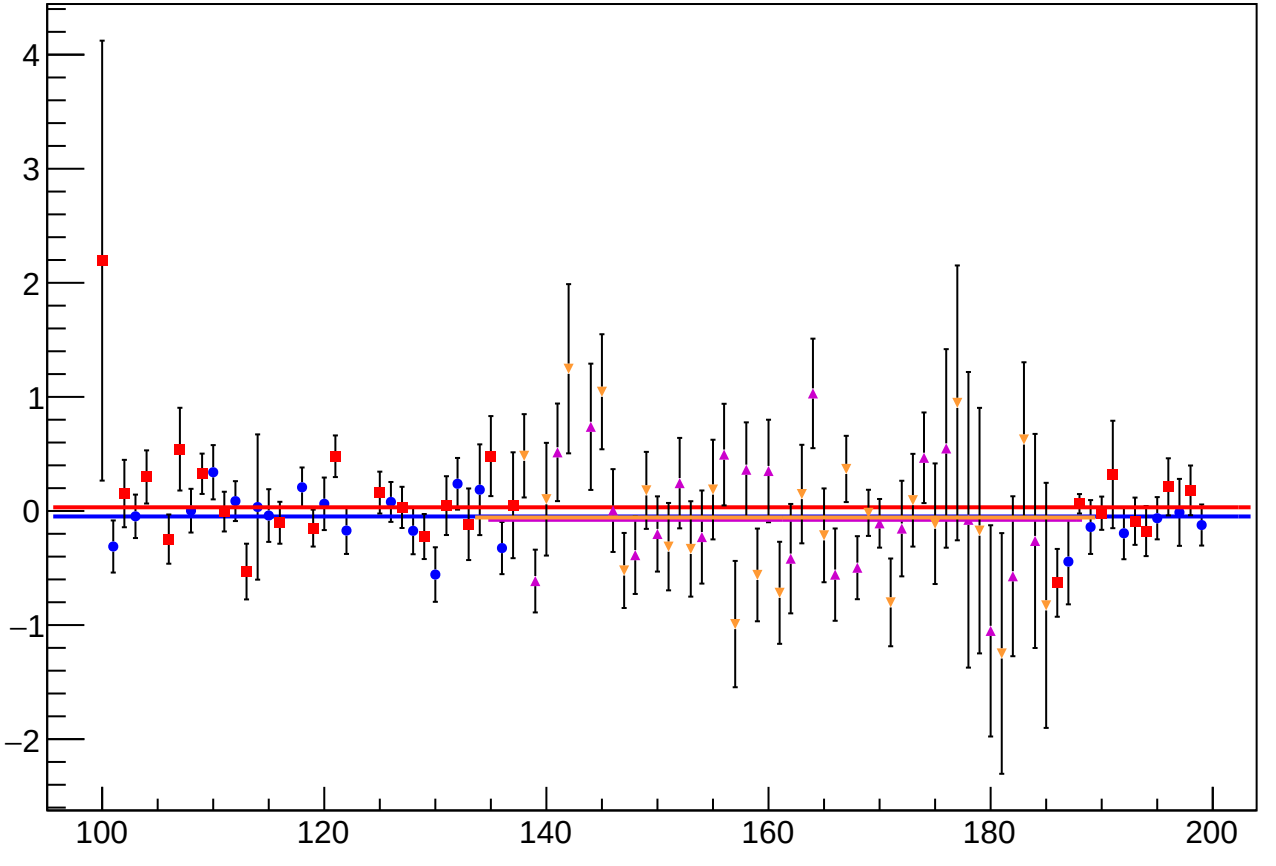
Right: 135.066+/-0.021 χ^2/NDF: 4296263.8/47

In: 192.707+/-0.029 χ^2/NDF:12626400.3/44

Out: 162.411+/-0.025 χ^2/NDF:17461323.9/49

All: 175.569+/-0.019 χ^2/NDF: 30710850.2/94

asym_usl_atl2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.048+/-0.047 χ^2/NDF: 18.2/21

Left Out: -0.057+/-0.085 χ^2/NDF:30.4/23

Right Out: 0.032+/-0.039 χ^2/NDF: 34.2/25

Left In: -0.077+/-0.083 χ^2/NDF:27.0/22

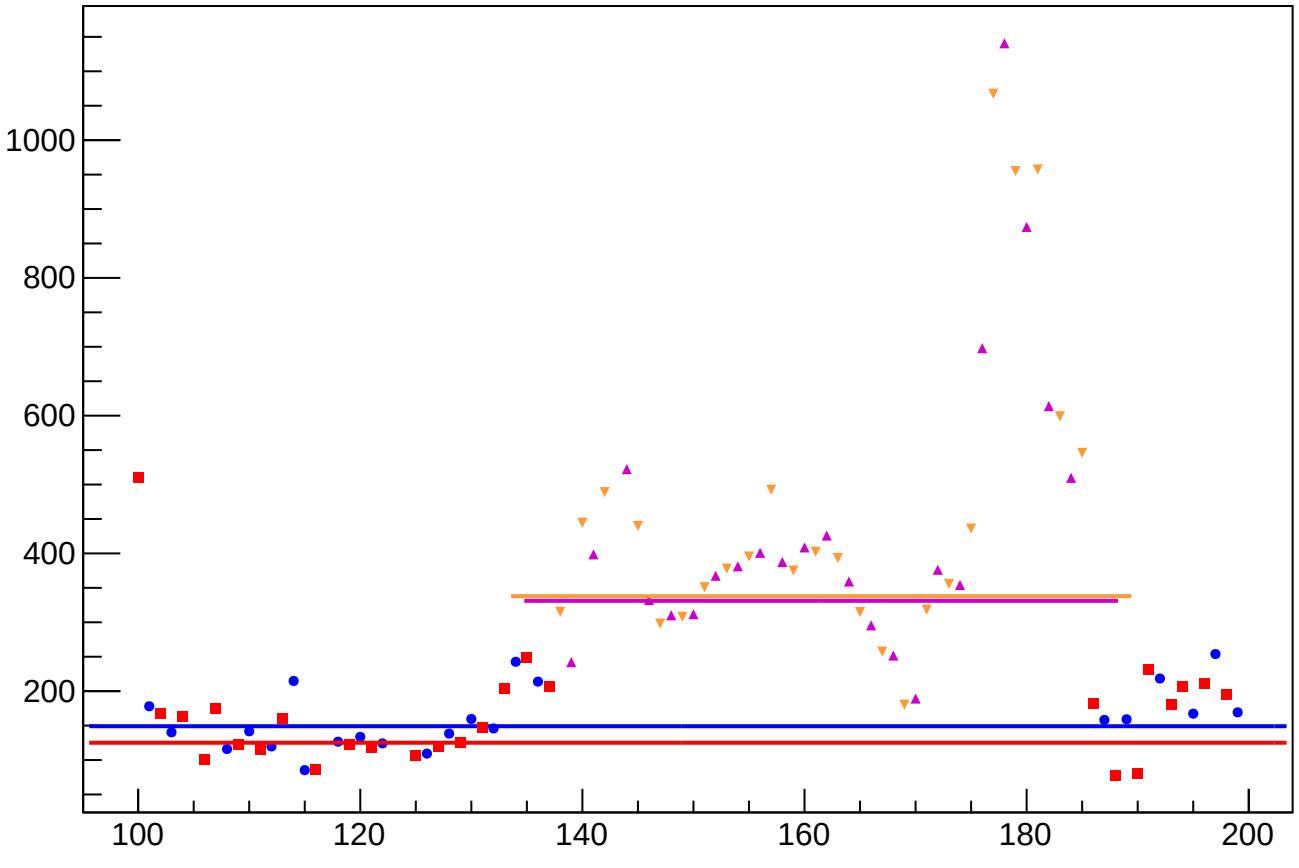
Left: -0.067+/-0.060 χ^2/NDF: 57.4/46

Right: -0.001+/-0.030 χ^2/NDF: 54.1/47

In: -0.055+/-0.041 χ^2/NDF:45.3/44

Out: 0.017+/-0.036 χ^2/NDF:65.5/49

All: -0.015+/-0.027 χ^2/NDF: 112.5/94



Right In: 149.103+/-0.033 χ^2/NDF: 1274067.2/21

Left Out: 337.939+/-0.060 χ^2/NDF:4517201.8/23

Right Out: 125.129+/-0.028 χ^2/NDF: 2715030.2/25

Left In: 331.161+/-0.059 χ^2/NDF:4106963.1/22

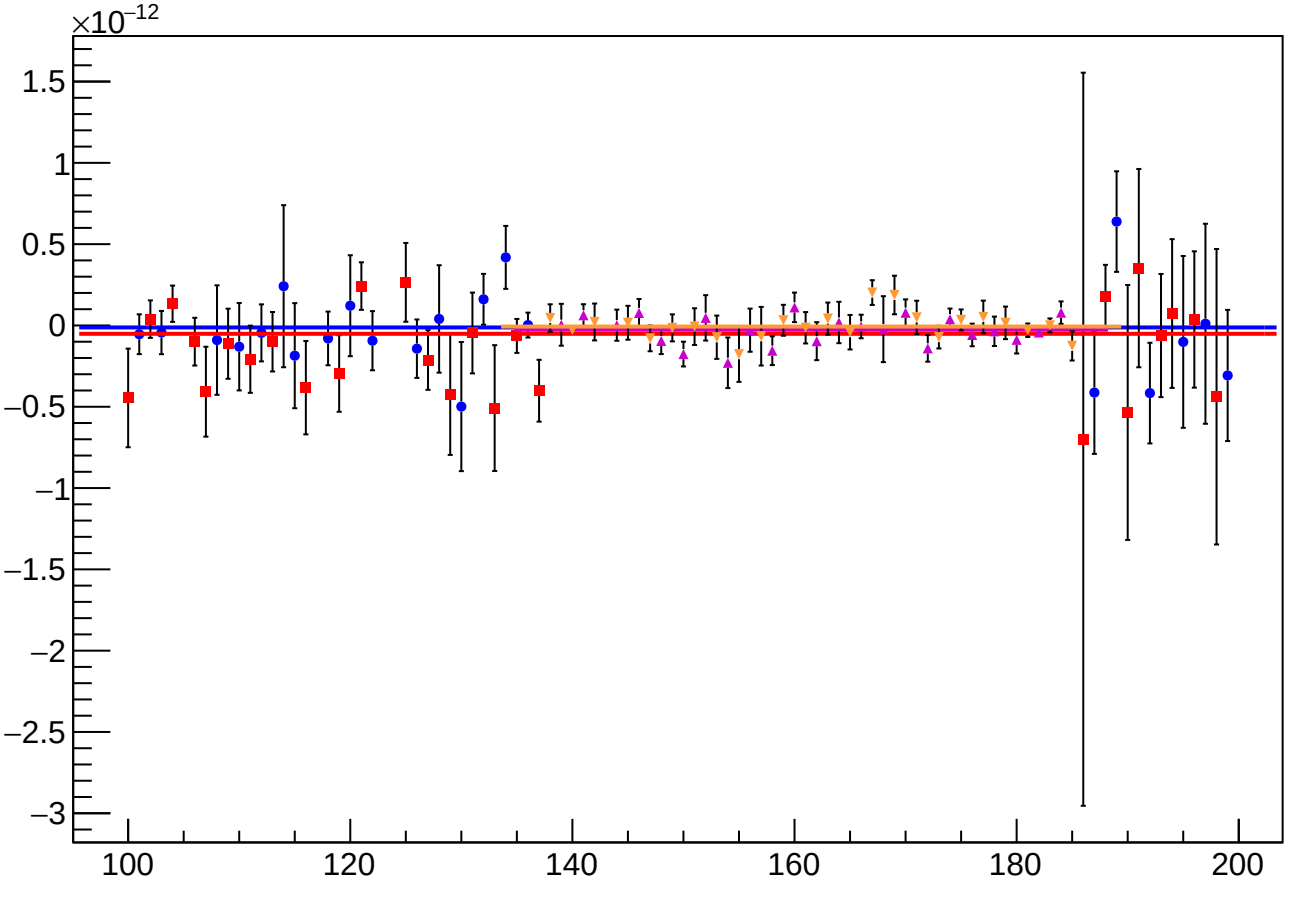
Left: 334.468+/-0.042 χ^2/NDF: 8630607.3/46

Right: 135.066+/-0.021 χ^2/NDF: 4296263.8/47

In: 192.707+/-0.029 χ^2/NDF:12626400.3/44

Out: 162.411+/-0.025 χ^2/NDF:17461323.9/49

All: 175.569+/-0.019 χ^2/NDF: 30710850.2/94



Right In: -0.000+/-0.000 χ^2/NDF: 17.7/21

Left Out: -0.000+/-0.000 χ^2/NDF:18.1/23

Right Out: -0.000+/-0.000 χ^2/NDF: 24.8/25

Left In: -0.000+/-0.000 χ^2/NDF:22.8/22

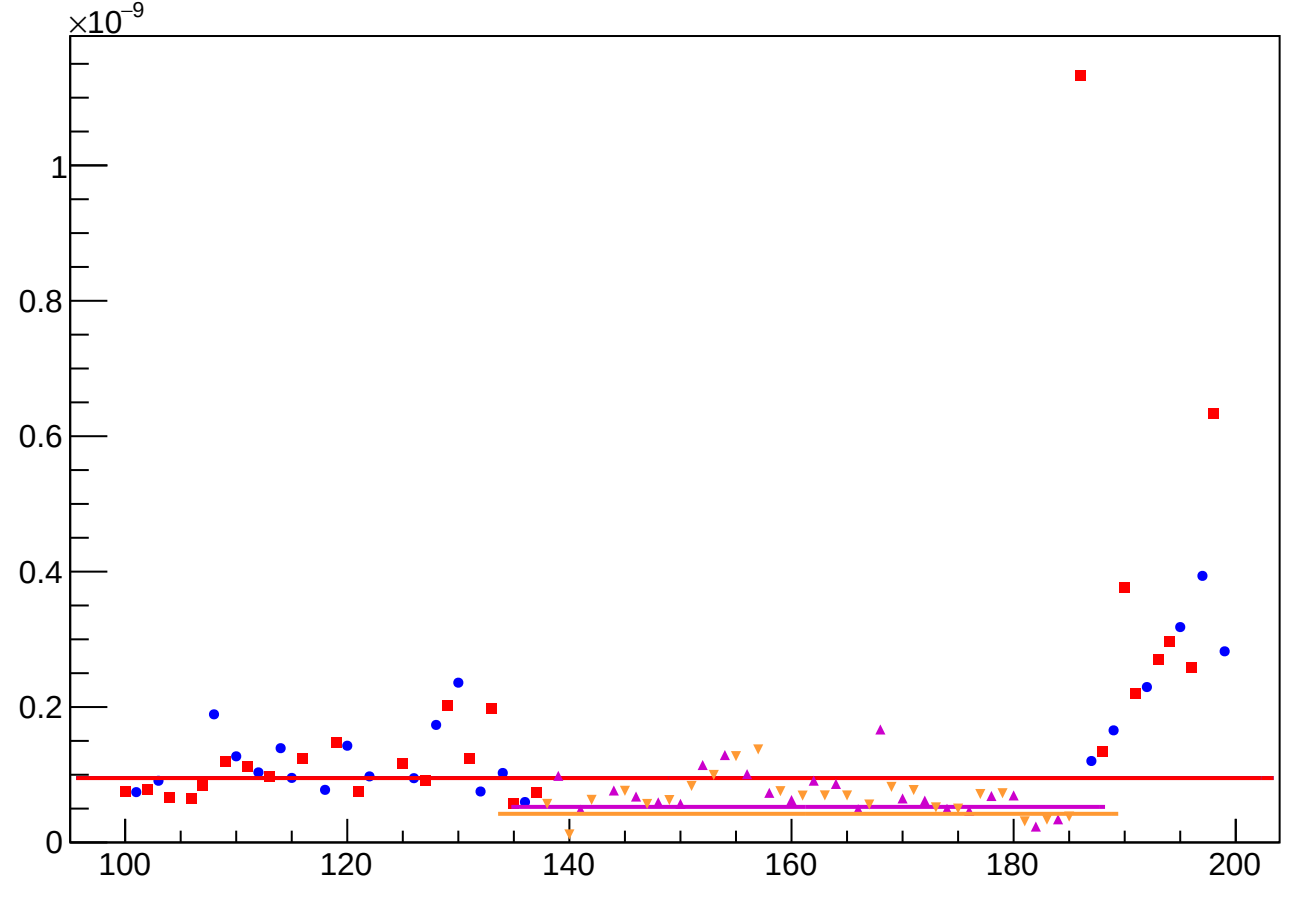
Left: -0.000+/-0.000 χ^2/NDF: 41.7/46

Right: -0.000+/-0.000 χ^2/NDF: 42.9/47

In: -0.000+/-0.000 χ^2/NDF:40.6/44

Out: -0.000+/-0.000 χ^2/NDF:44.0/49

All: -0.000+/-0.000 χ^2/NDF: 84.9/94



Right In: 0.000+/-0.000 χ^2/NDF: 2910723.0/21

Left Out: 0.000+/-0.000 χ^2/NDF:6680117.5/23

Right Out: 0.000+/-0.000 χ^2/NDF: 3764716.2/25

Left In: 0.000+/-0.000 χ^2/NDF:4897147.5/22

Left: 0.000+/-0.000 χ^2/NDF: 12028477.0/46

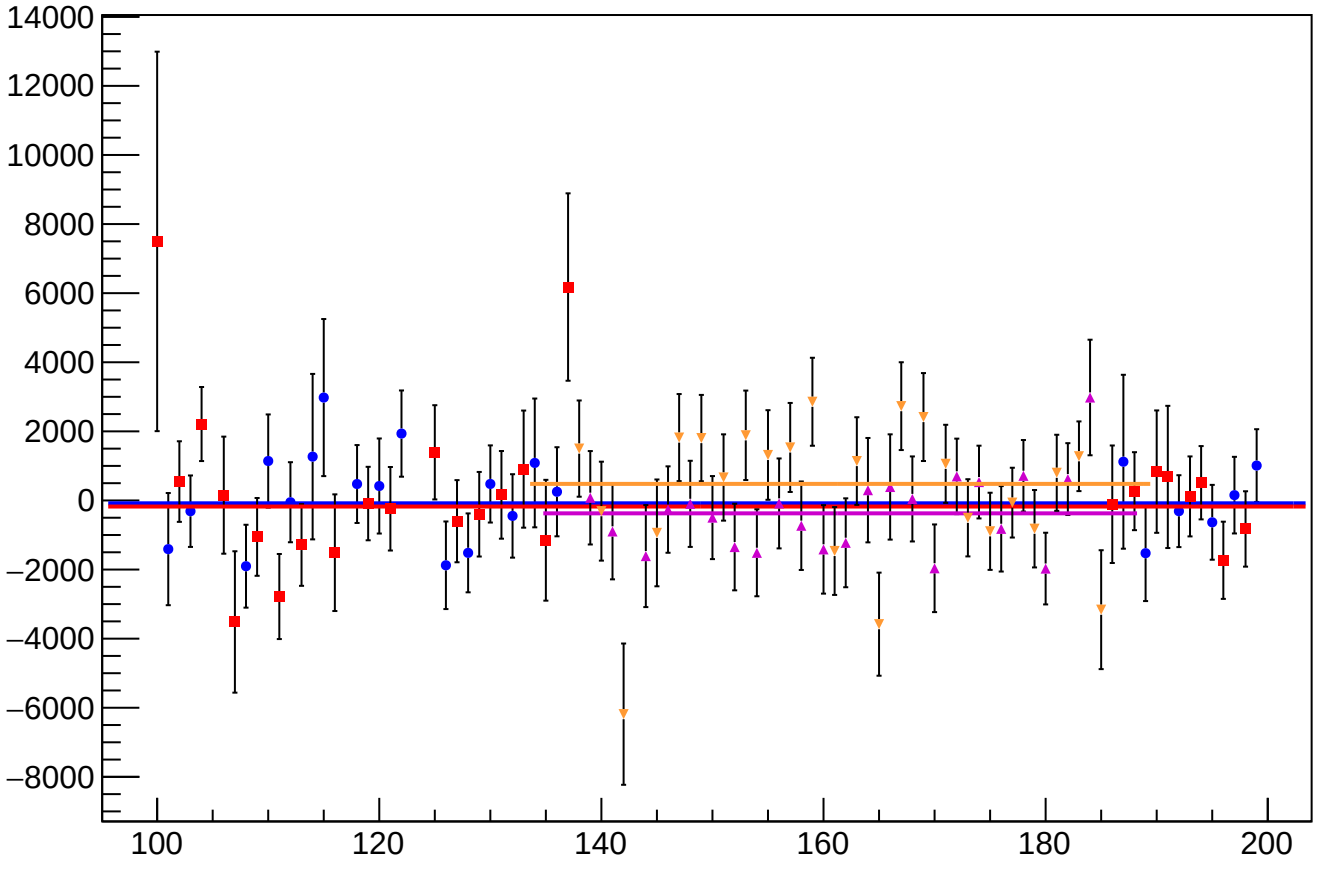
Right: 0.000+/-0.000 χ^2/NDF: 6675448.1/47

In: 0.000+/-0.000 χ^2/NDF:9682901.6/44

Out: 0.000+/-0.000 χ^2/NDF:13522464.4/49

All: 0.000+/-0.000 χ^2/NDF: 23692952.5/94

reg_asym_usl_atl2_dd_mean vs Slug, Sign Corrected



Right In: -82.549+/-271.499 χ^2/NDF: 16.1/21

Left Out: 479.555+/-256.330 χ^2/NDF:45.2/23

Right Out: -175.993+/-261.559 χ^2/NDF: 27.8/25

Left In: -372.926+/-259.314 χ^2/NDF:16.0/22

Left: 58.248+/-182.298 χ^2/NDF: 66.7/46

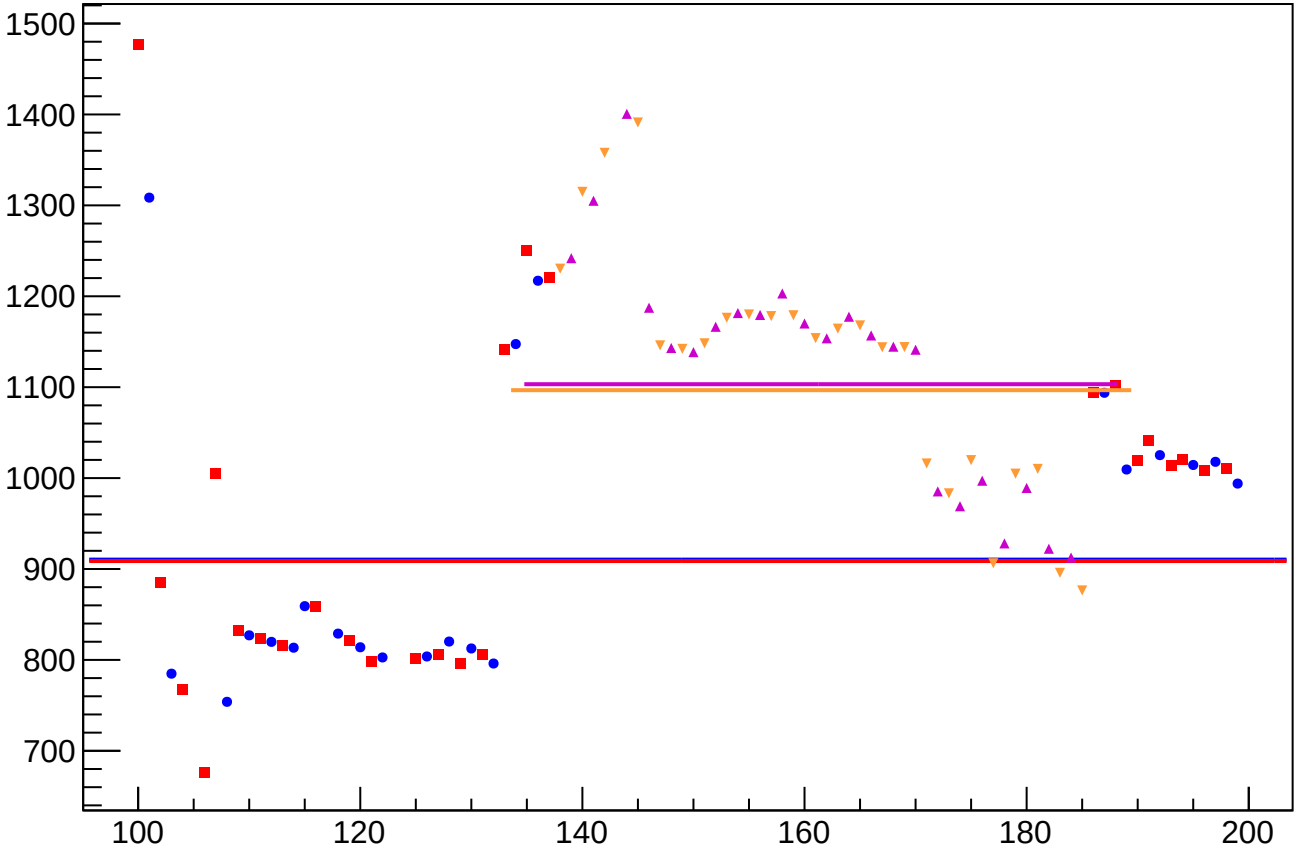
Right: -131.013+/-188.366 χ^2/NDF: 44.0/47

In: -234.400+/-187.523 χ^2/NDF:32.7/44

Out: 158.400+/-183.073 χ^2/NDF:76.2/49

All: -33.285+/-130.997 χ^2/NDF: 111.2/94

reg_asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 910.322+/-0.192 χ^2/NDF: 543611.5/21

Left Out: 1096.711+/-0.181 χ^2/NDF:480498.6/23

Right Out: 908.777+/-0.183 χ^2/NDF: 557284.8/25

Left In: 1103.281+/-0.183 χ^2/NDF:447540.4/22

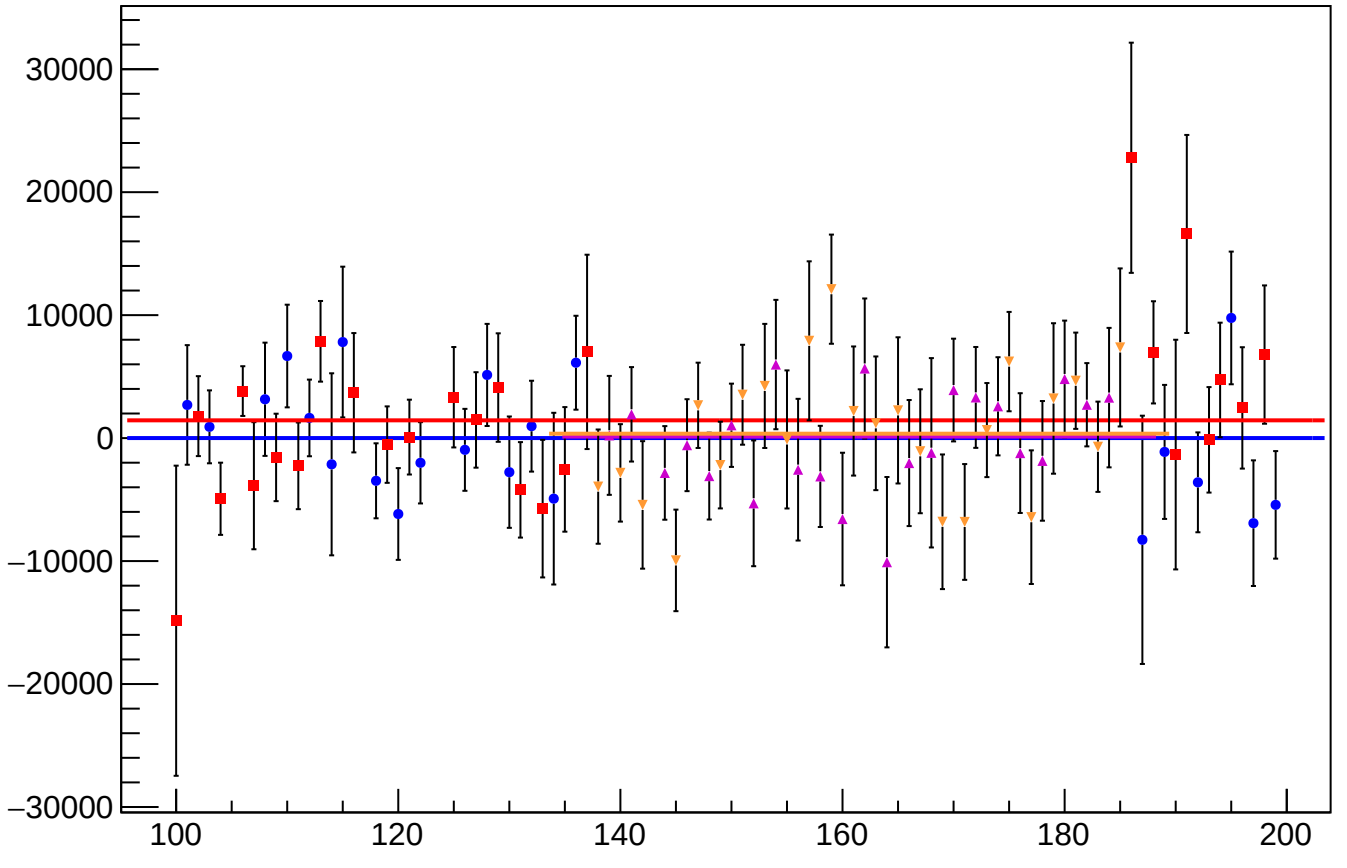
Left: 1099.958+/-0.129 χ^2/NDF: 928688.2/46

Right: 909.514+/-0.133 χ^2/NDF: 1100930.1/47

In: 1011.228+/-0.133 χ^2/NDF:1519447.9/44

Out: 1003.867+/-0.129 χ^2/NDF:1568901.7/49

All: 1007.444+/-0.092 χ^2/NDF: 3089933.8/94



Right In: 3.938+/-888.211 χ^2/NDF: 23.1/21

Left Out: 357.729+/-934.220 χ^2/NDF:30.3/23

Right Out: 1444.990+/-789.119 χ^2/NDF: 33.0/25

Left In: 126.696+/-932.645 χ^2/NDF:13.8/22

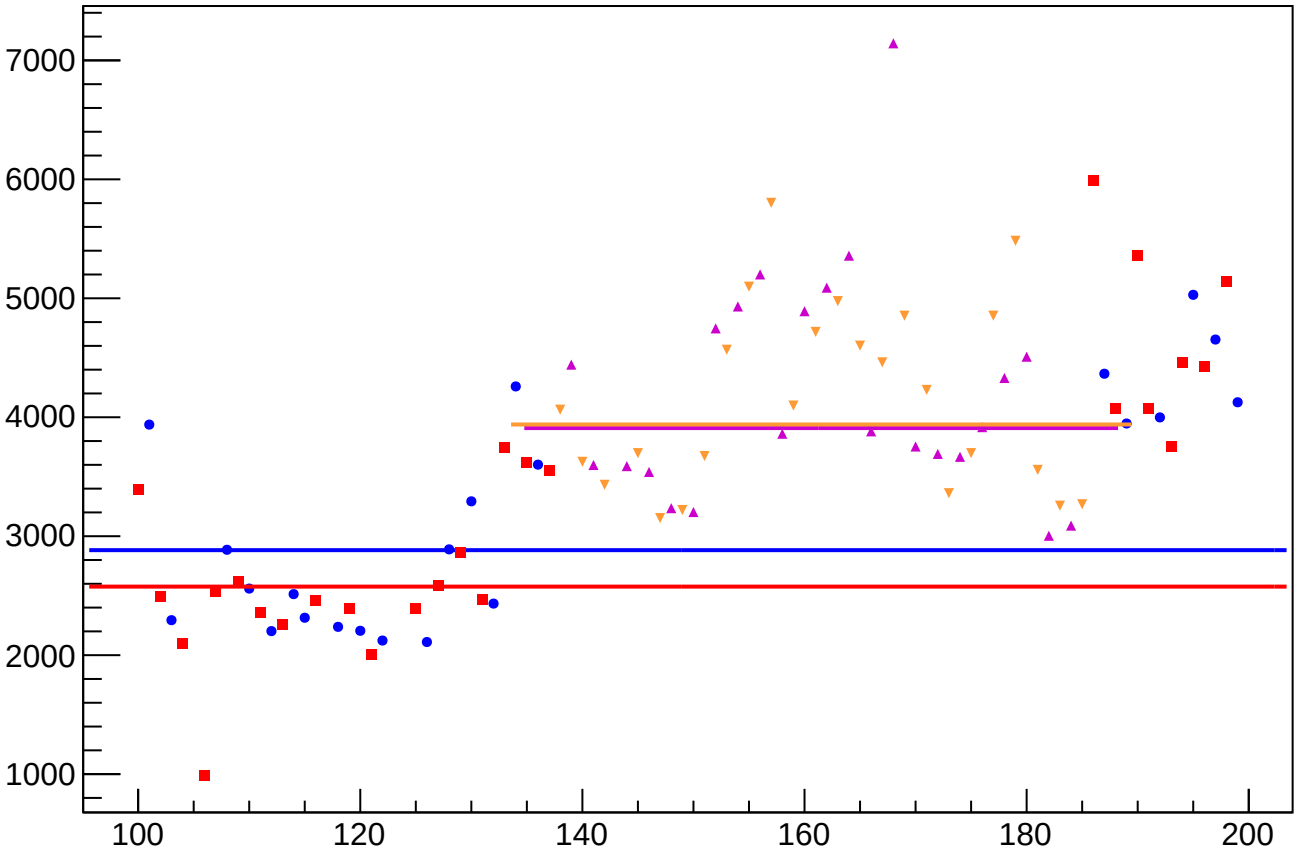
Left: 242.018+/-660.036 χ^2/NDF: 44.1/46

Right: 809.301+/-589.928 χ^2/NDF: 57.5/47

In: 62.323+/-643.195 χ^2/NDF:36.9/44

Out: 992.260+/-602.840 χ^2/NDF:64.0/49

All: 557.378+/-439.847 χ^2/NDF: 102.0/94



Right In: 2882.738+/-0.628 χ^2/NDF: 1854346.7/21

Left Out: 3939.261+/-0.661 χ^2/NDF:1092666.9/23

Right Out: 2576.393+/-0.558 χ^2/NDF: 3564298.4/25

Left In: 3909.133+/-0.659 χ^2/NDF:1300774.2/22

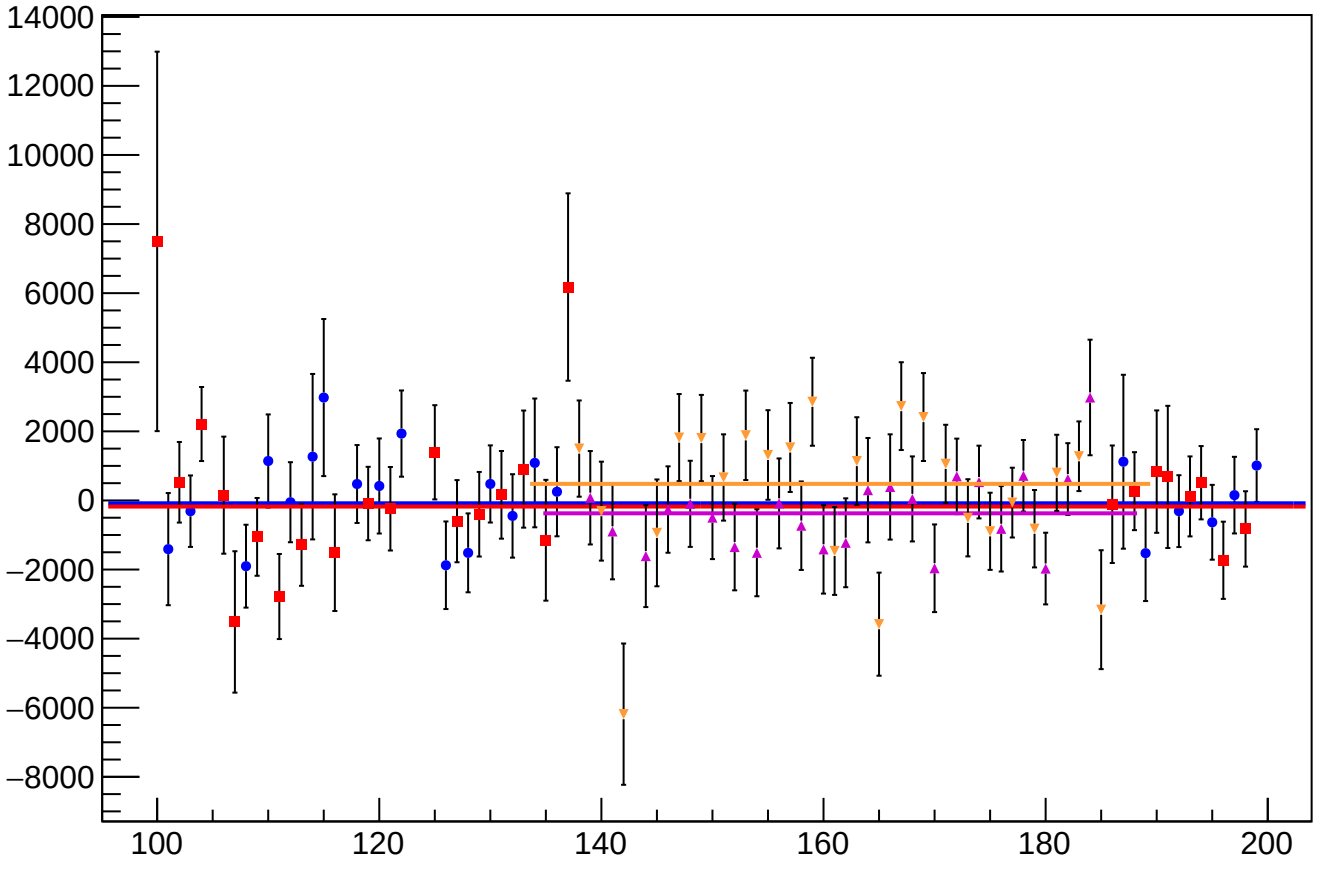
Left: 3924.172+/-0.467 χ^2/NDF: 2394482.8/46

Right: 2711.530+/-0.417 χ^2/NDF: 5551607.6/47

In: 3370.903+/-0.455 χ^2/NDF:4425342.8/44

Out: 3143.885+/-0.426 χ^2/NDF:7141001.2/49

All: 3250.050+/-0.311 χ^2/NDF: 11698981.2/9



Right In: -82.585+/-271.499 χ^2/NDF: 16.1/21

Left Out: 479.583+/-256.330 χ^2/NDF:45.2/23

Right Out: -177.077+/-261.562 χ^2/NDF: 27.8/25

Left In: -372.901+/-259.314 χ^2/NDF:16.0/22

Left: 58.275+/-182.298 χ^2/NDF: 66.7/46

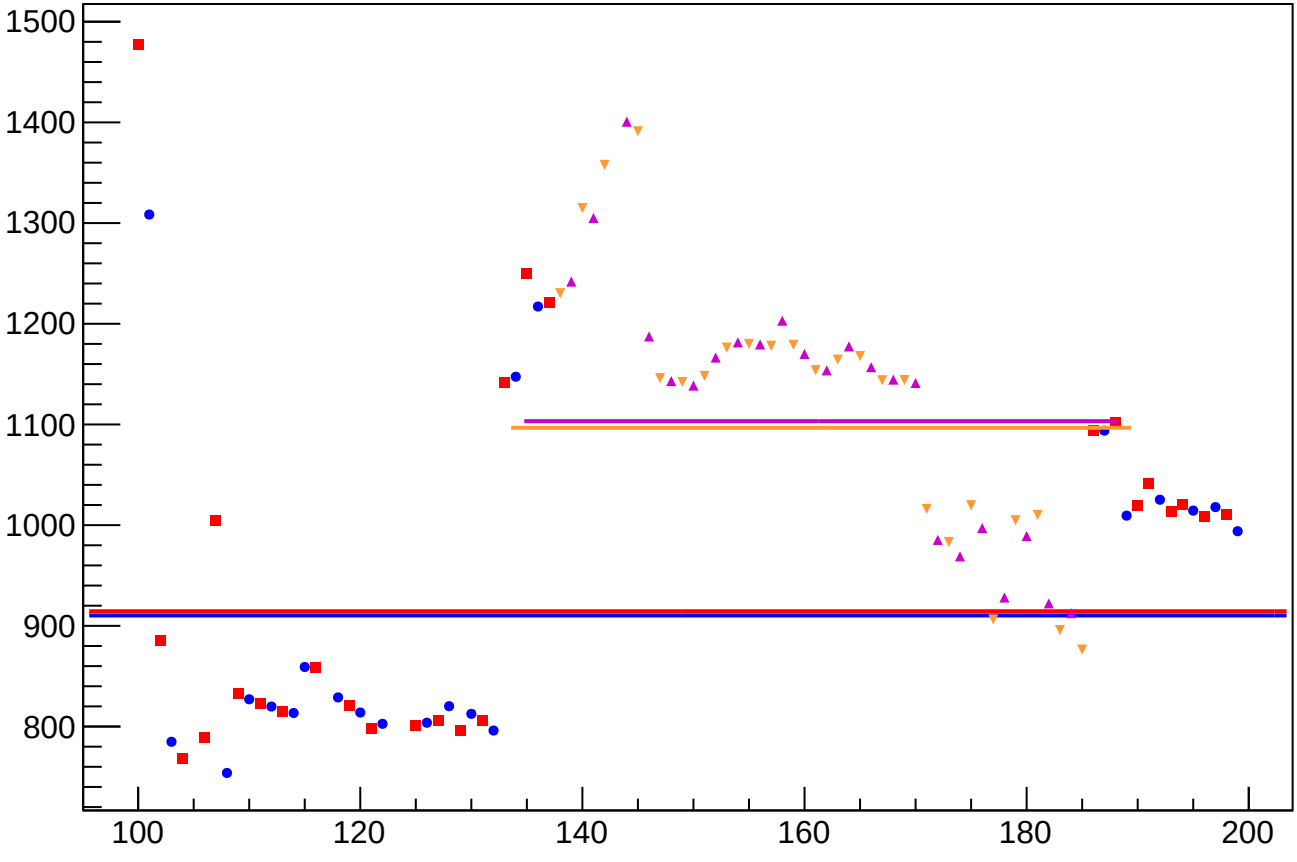
Right: -131.592+/-188.367 χ^2/NDF: 43.9/47

In: -234.404+/-187.523 χ^2/NDF:32.7/44

Out: 157.887+/-183.074 χ^2/NDF:76.2/49

All: -33.551+/-130.997 χ^2/NDF: 111.2/94

cor_asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 910.322+/-0.192 χ^2/NDF: 543611.3/21

Left Out: 1096.711+/-0.181 χ^2/NDF:480498.6/23

Right Out: 914.502+/-0.184 χ^2/NDF: 504905.9/25

Left In: 1103.281+/-0.183 χ^2/NDF:447540.3/22

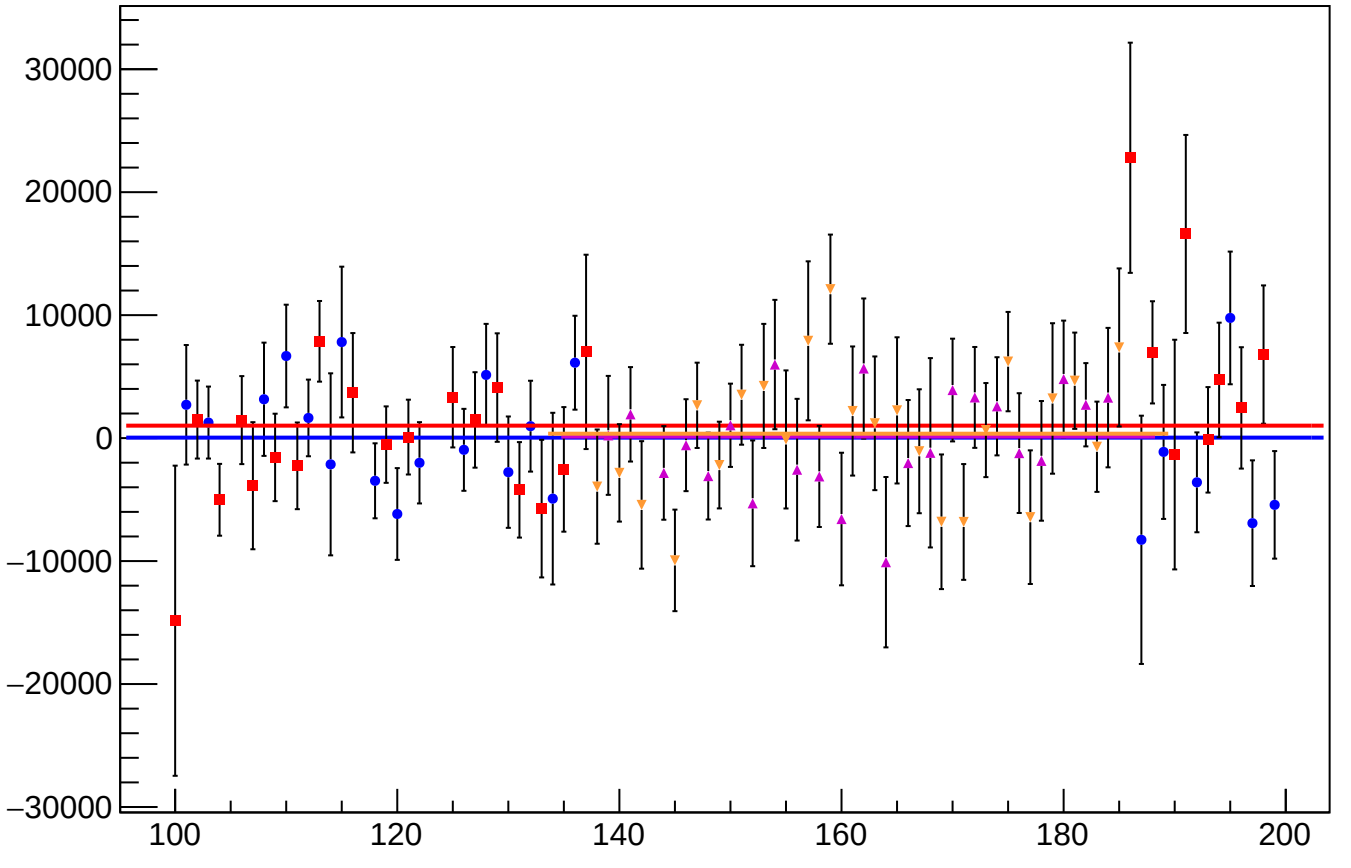
Left: 1099.958+/-0.129 χ^2/NDF: 928688.1/46

Right: 912.497+/-0.133 χ^2/NDF: 1048764.0/47

In: 1011.228+/-0.133 χ^2/NDF:1519448.0/44

Out: 1007.136+/-0.129 χ^2/NDF:1482216.2/49

All: 1009.129+/-0.093 χ^2/NDF: 3002152.8/94



Right In: 38.396+/-887.147 χ^2/NDF: 23.2/21

Left Out: 357.728+/-934.221 χ^2/NDF:30.3/23

Right Out: 1012.984+/-831.787 χ^2/NDF: 31.5/25

Left In: 126.635+/-932.644 χ^2/NDF:13.8/22

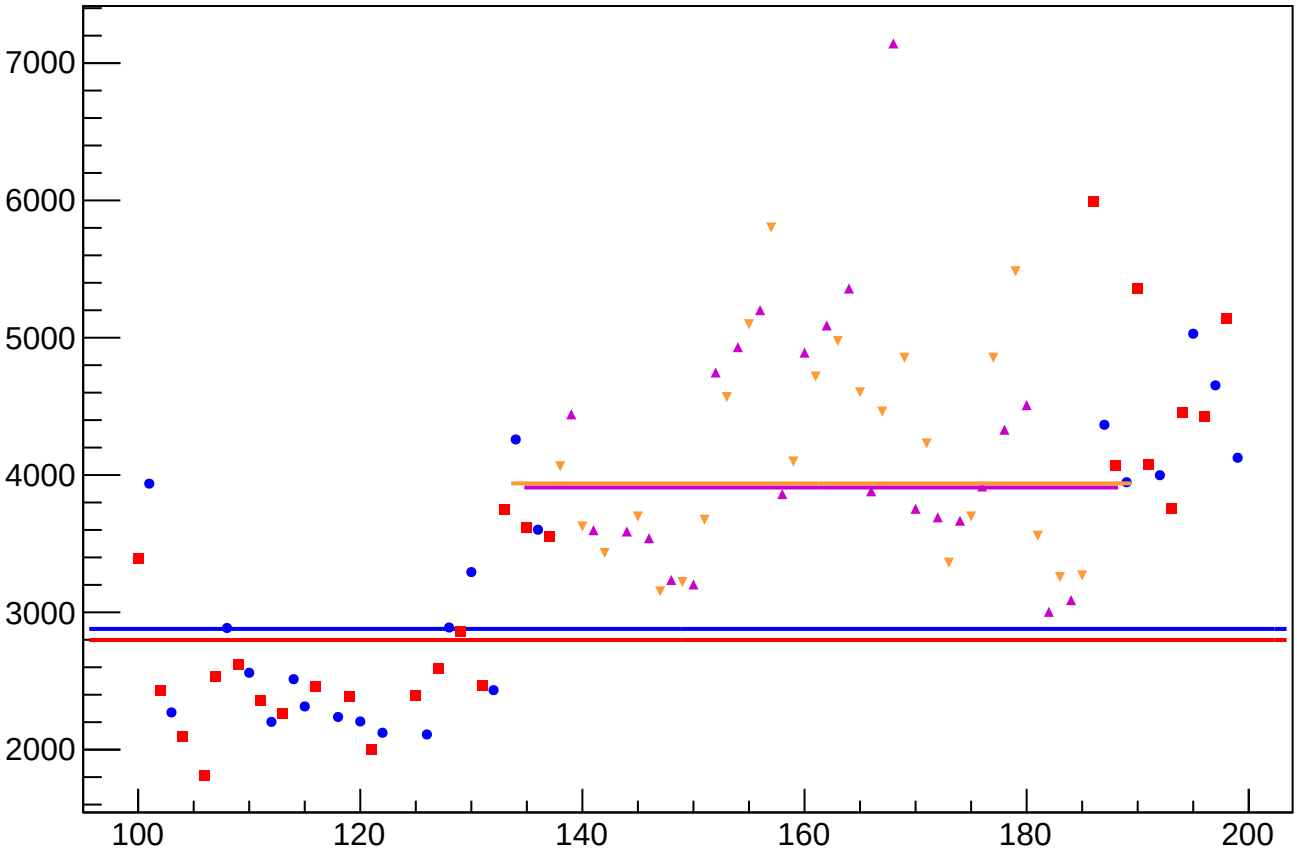
Left: 241.986+/-660.036 χ^2/NDF: 44.1/46

Right: 557.045+/-606.790 χ^2/NDF: 55.3/47

In: 80.311+/-642.790 χ^2/NDF:37.0/44

Out: 723.235+/-621.234 χ^2/NDF:62.0/49

All: 412.734+/-446.705 χ^2/NDF: 99.5/94



Right In: 2879.200+/-0.627 χ^2/NDF: 1862759.4/21

Left Out: 3939.266+/-0.661 χ^2/NDF:1092657.5/23

Right Out: 2798.527+/-0.588 χ^2/NDF: 2282678.6/25

Left In: 3909.128+/-0.659 χ^2/NDF:1300782.7/22

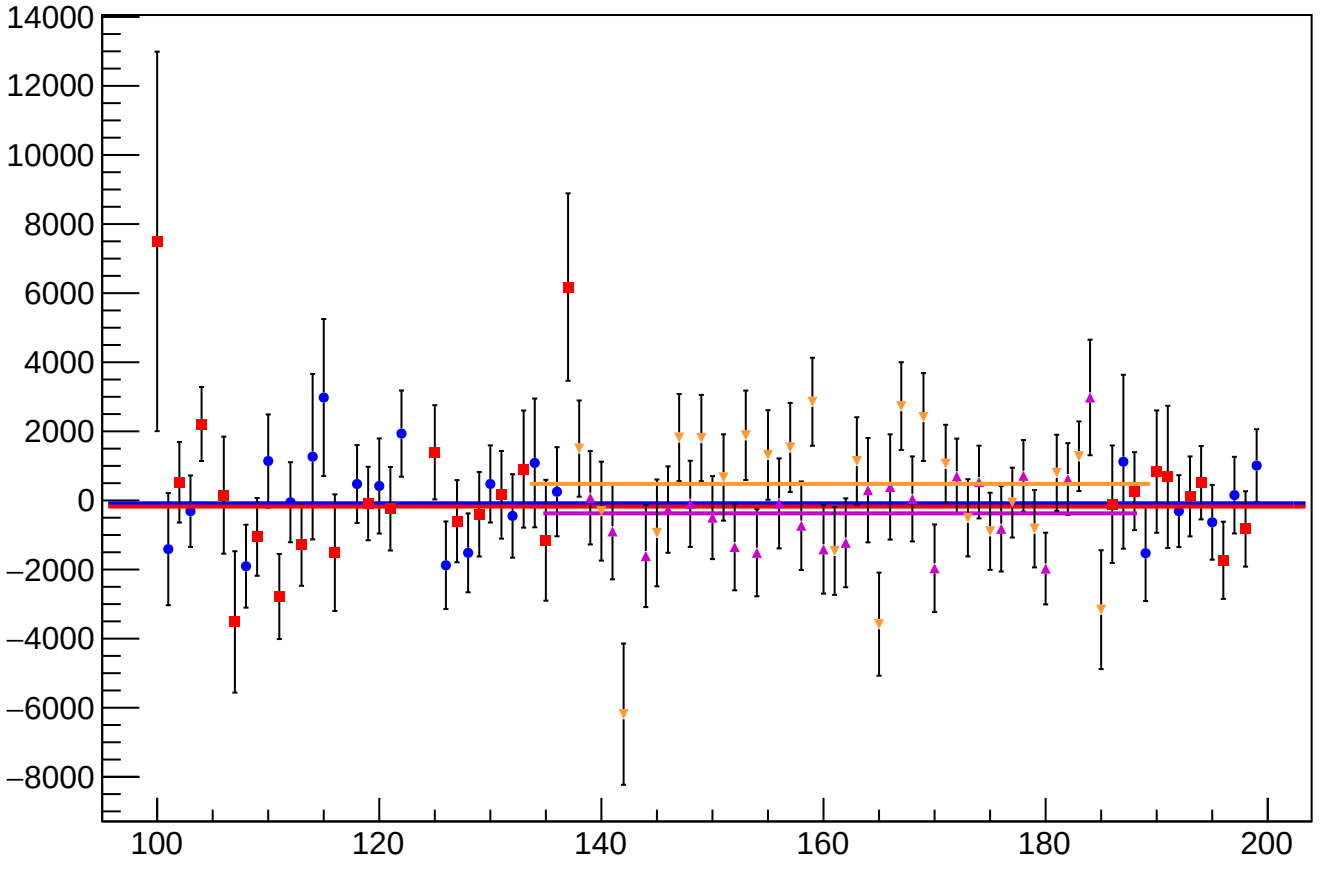
Left: 3924.171+/-0.467 χ^2/NDF: 2394482.7/46

Right: 2836.268+/-0.429 χ^2/NDF: 4154239.2/47

In: 3368.430+/-0.455 χ^2/NDF:4443981.1/44

Out: 3302.952+/-0.439 χ^2/NDF:5038702.5/49

All: 3334.575+/-0.316 χ^2/NDF: 9493414.0/94



Right In: -82.585+/-271.499 χ^2/NDF: 16.1/21

Left Out: 479.583+/-256.330 χ^2/NDF:45.2/23

Right Out: -177.077+/-261.562 χ^2/NDF: 27.8/25

Left In: -372.901+/-259.314 χ^2/NDF:16.0/22

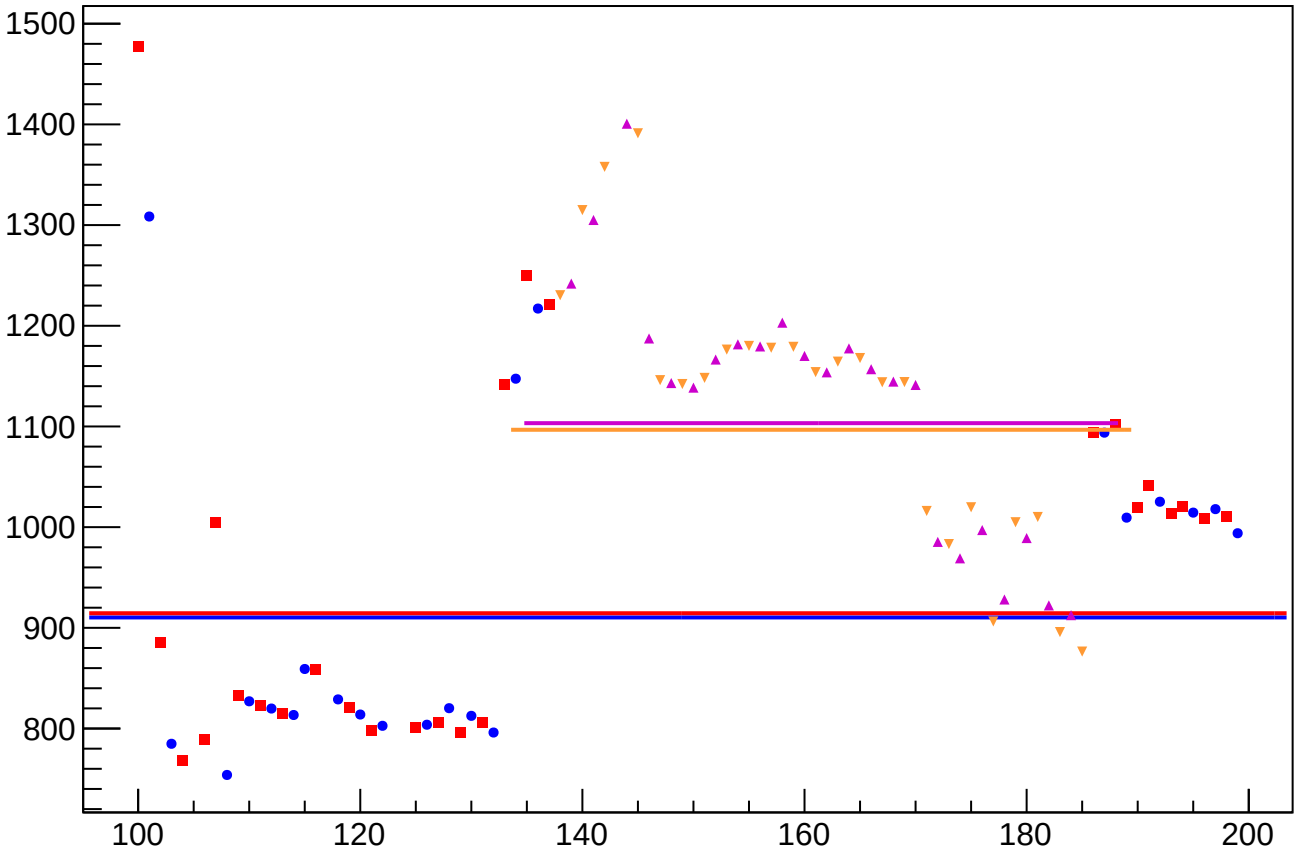
Left: 58.275+/-182.298 χ^2/NDF: 66.7/46

Right: -131.592+/-188.367 χ^2/NDF: 43.9/47

In: -234.404+/-187.523 χ^2/NDF:32.7/44

Out: 157.887+/-183.074 χ^2/NDF:76.2/49

All: -33.551+/-130.997 χ^2/NDF: 111.2/94



Right In: 910.322+/-0.192 χ^2/NDF: 543611.3/21

Left Out: 1096.711+/-0.181 χ^2/NDF:480498.6/23

Right Out: 914.502+/-0.184 χ^2/NDF: 504905.9/25

Left In: 1103.281+/-0.183 χ^2/NDF:447540.3/22

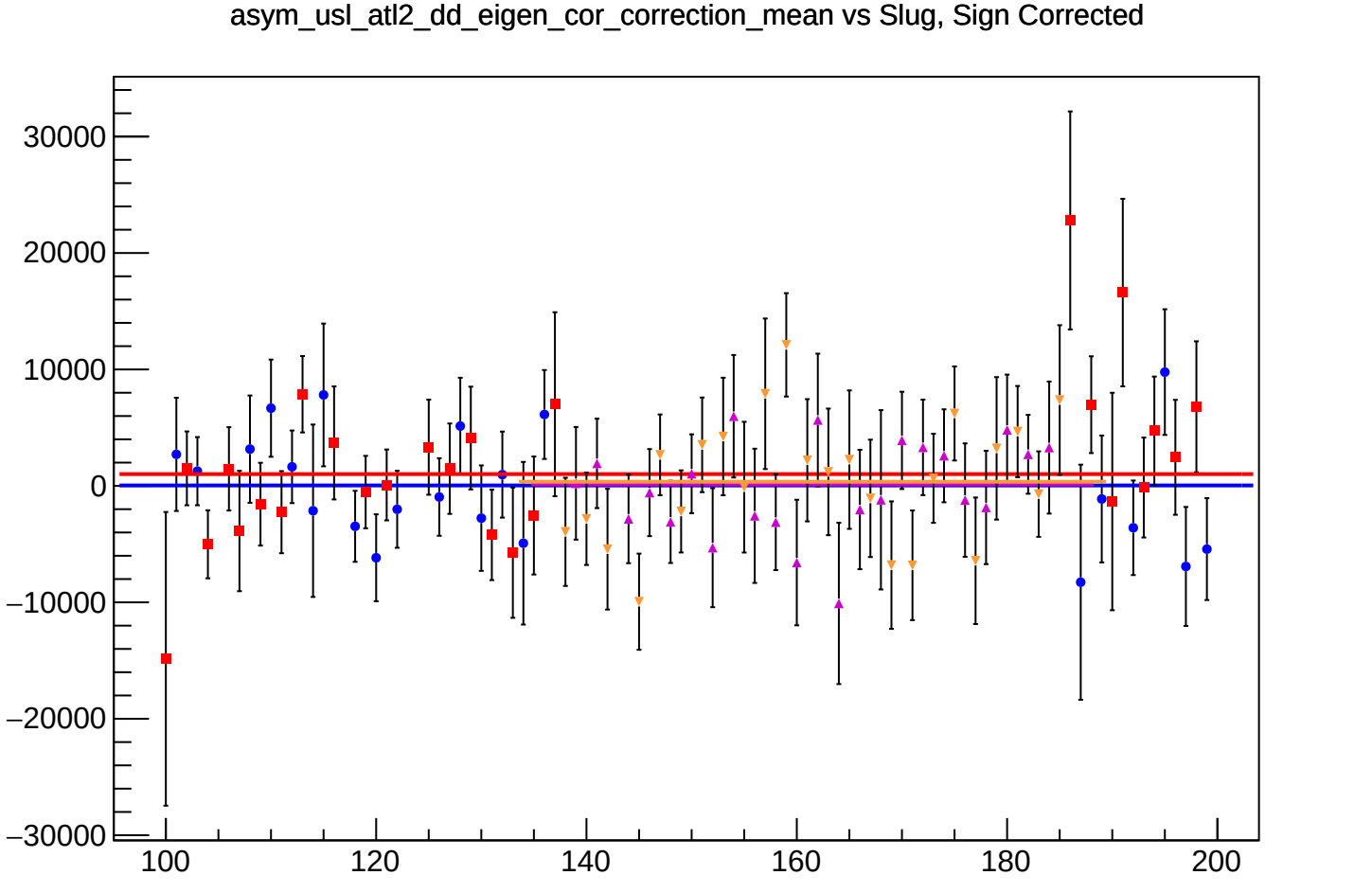
Left: 1099.958+/-0.129 χ^2/NDF: 928688.1/46

Right: 912.497+/-0.133 χ^2/NDF: 1048764.0/47

In: 1011.228+/-0.133 χ^2/NDF:1519448.0/44

Out: 1007.136+/-0.129 χ^2/NDF:1482216.2/49

All: 1009.129+/-0.093 χ^2/NDF: 3002152.8/94



Right In: 38.396+/-887.147 χ^2/NDF: 23.2/21

Left Out: 357.728+/-934.221 χ^2/NDF:30.3/23

Right Out: 1012.984+/-831.787 χ^2/NDF: 31.5/25

Left In: 126.635+/-932.644 χ^2/NDF:13.8/22

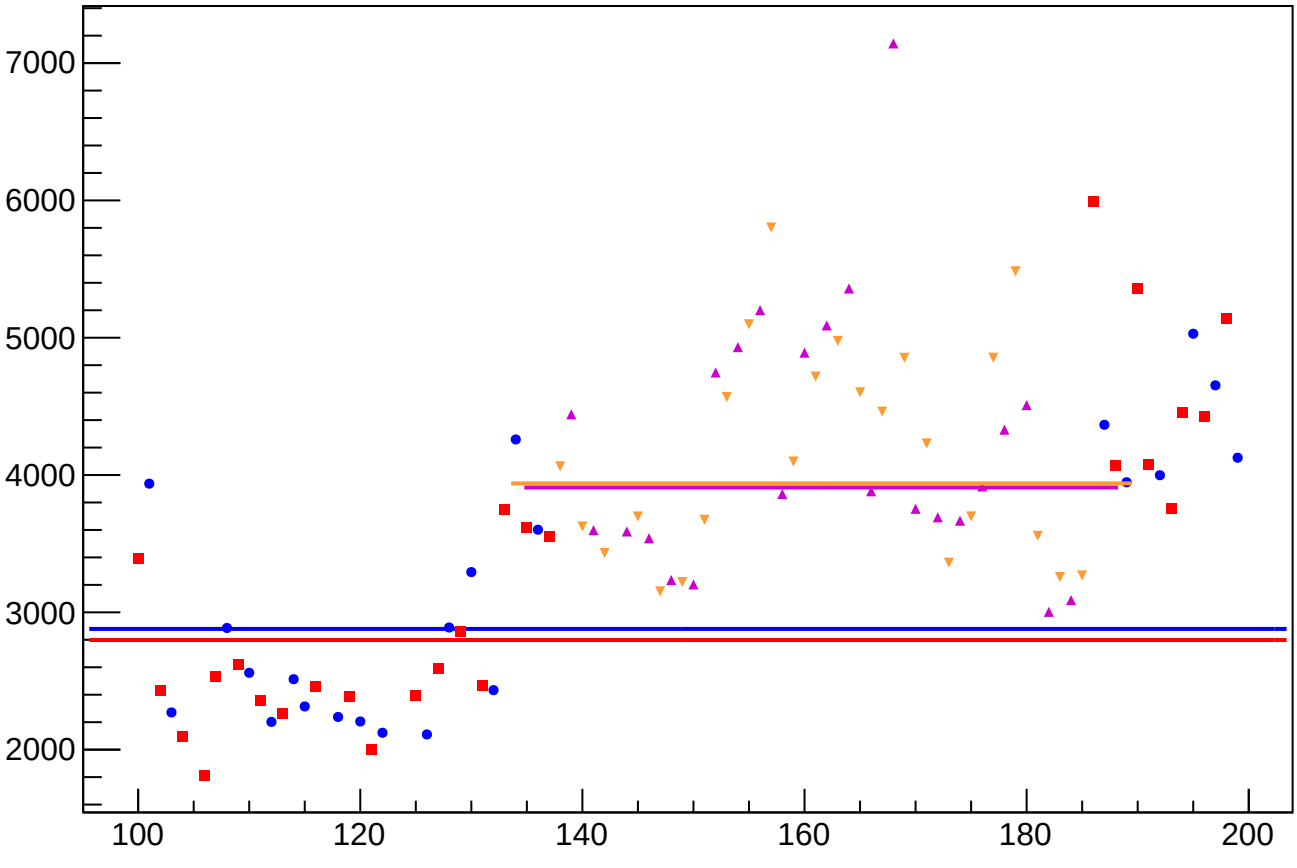
Left: 241.986+/-660.036 χ^2/NDF: 44.1/46

Right: 557.045+/-606.790 χ^2/NDF: 55.3/47

In: 80.311+/-642.790 χ^2/NDF:37.0/44

Out: 723.235+/-621.234 χ^2/NDF:62.0/49

All: 412.734+/-446.705 χ^2/NDF: 99.5/94



Right In: 2879.200+/-0.627 χ^2/NDF: 1862759.4/21

Left Out: 3939.266+/-0.661 χ^2/NDF:1092657.5/23

Right Out: 2798.527+/-0.588 χ^2/NDF: 2282678.6/25

Left In: 3909.128+/-0.659 χ^2/NDF:1300782.7/22

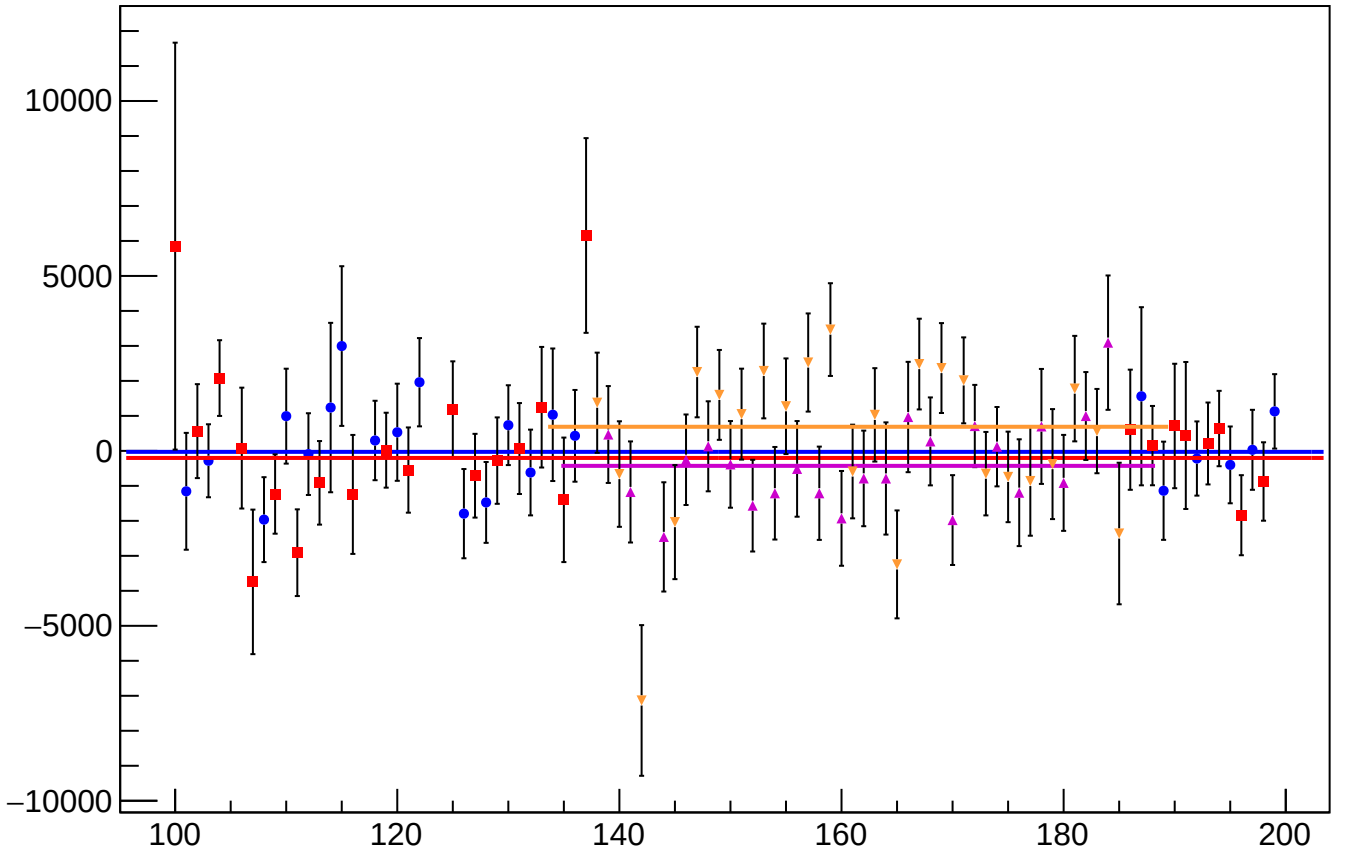
Left: 3924.171+/-0.467 χ^2/NDF: 2394482.7/46

Right: 2836.268+/-0.429 χ^2/NDF: 4154239.2/47

In: 3368.430+/-0.455 χ^2/NDF:4443981.1/44

Out: 3302.952+/-0.439 χ^2/NDF:5038702.5/49

All: 3334.575+/-0.316 χ^2/NDF: 9493414.0/94



Right In: -27.928+/-275.159 χ^2/NDF: 15.3/21

Left Out: 689.087+/-284.388 χ^2/NDF:45.7/23

Right Out: -202.111+/-266.284 χ^2/NDF: 26.7/25

Left In: -428.052+/-284.383 χ^2/NDF:14.6/22

Left: 130.507+/-201.091 χ^2/NDF: 68.1/46

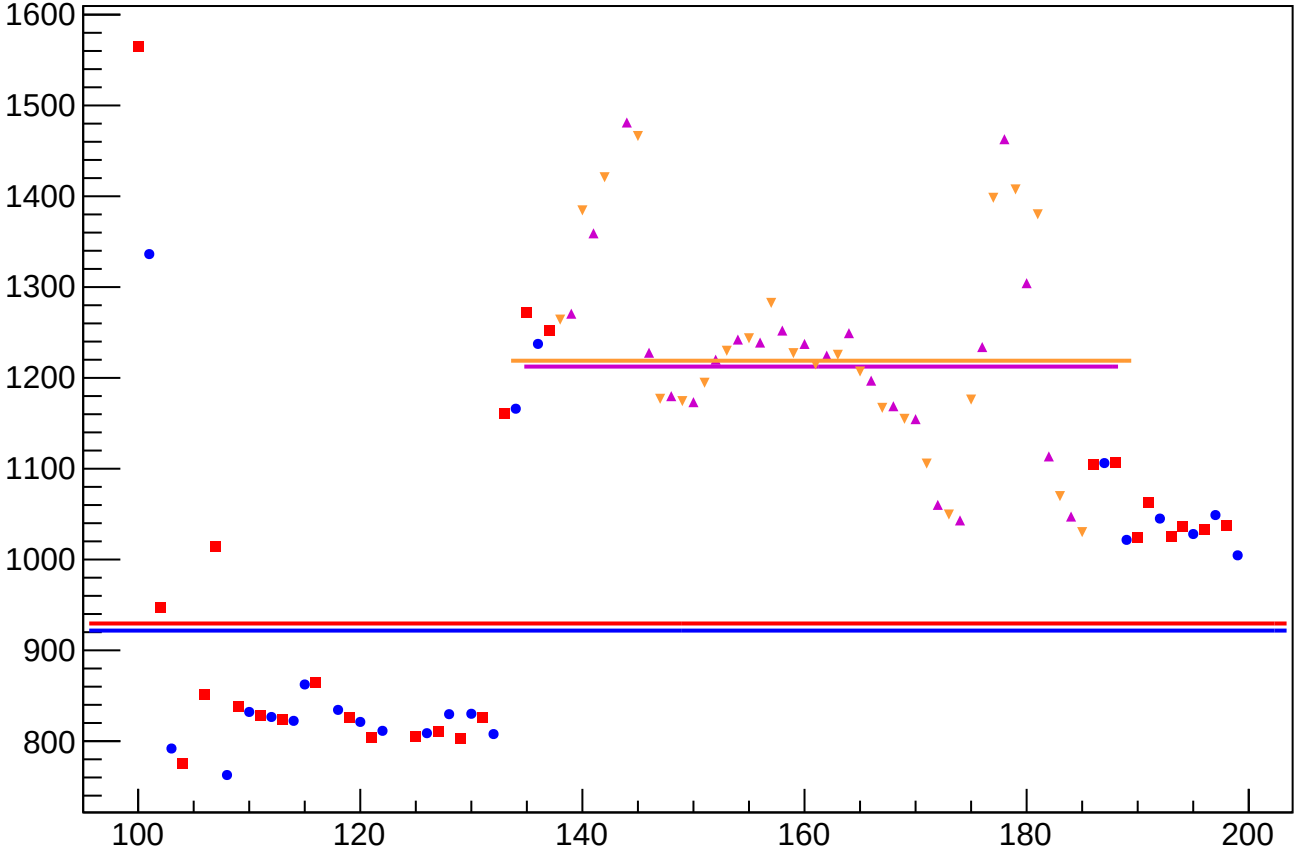
Right: -117.874+/-191.352 χ^2/NDF: 42.3/47

In: -221.396+/-197.747 χ^2/NDF:31.0/44

Out: 214.220+/-194.377 χ^2/NDF:77.7/49

All: 0.157+/-138.621 χ^2/NDF: 111.2/94

dit_asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 921.751+/-0.195 χ^2/NDF: 564139.0/21

Left Out: 1218.928+/-0.201 χ^2/NDF:293874.9/23

Right Out: 929.564+/-0.188 χ^2/NDF: 515299.9/25

Left In: 1212.447+/-0.201 χ^2/NDF:260320.0/22

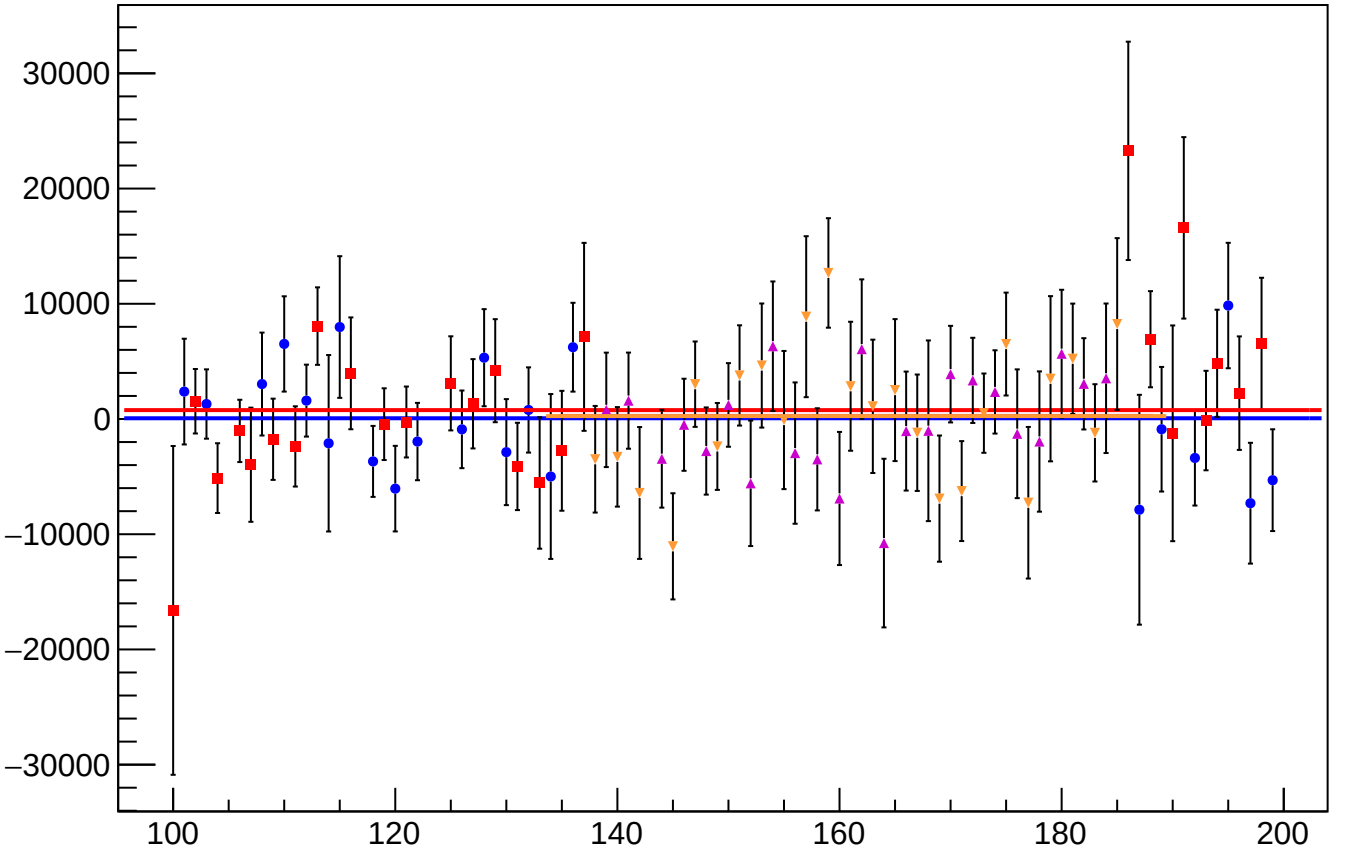
Left: 1215.687+/-0.142 χ^2/NDF: 554714.2/46

Right: 925.788+/-0.135 χ^2/NDF: 1080272.1/47

In: 1062.308+/-0.140 χ^2/NDF:1903794.7/44

Out: 1064.649+/-0.137 χ^2/NDF:1913146.0/49

All: 1063.499+/-0.098 χ^2/NDF: 3817083.4/94



Right In: 63.622+/-892.596 χ^2/NDF: 23.0/21

Left Out: 252.803+/-995.149 χ^2/NDF:29.7/23

Right Out: 771.263+/-811.460 χ^2/NDF: 32.2/25

Left In: 266.235+/-990.083 χ^2/NDF:13.4/22

Left: 259.553+/-701.879 χ^2/NDF: 43.1/46

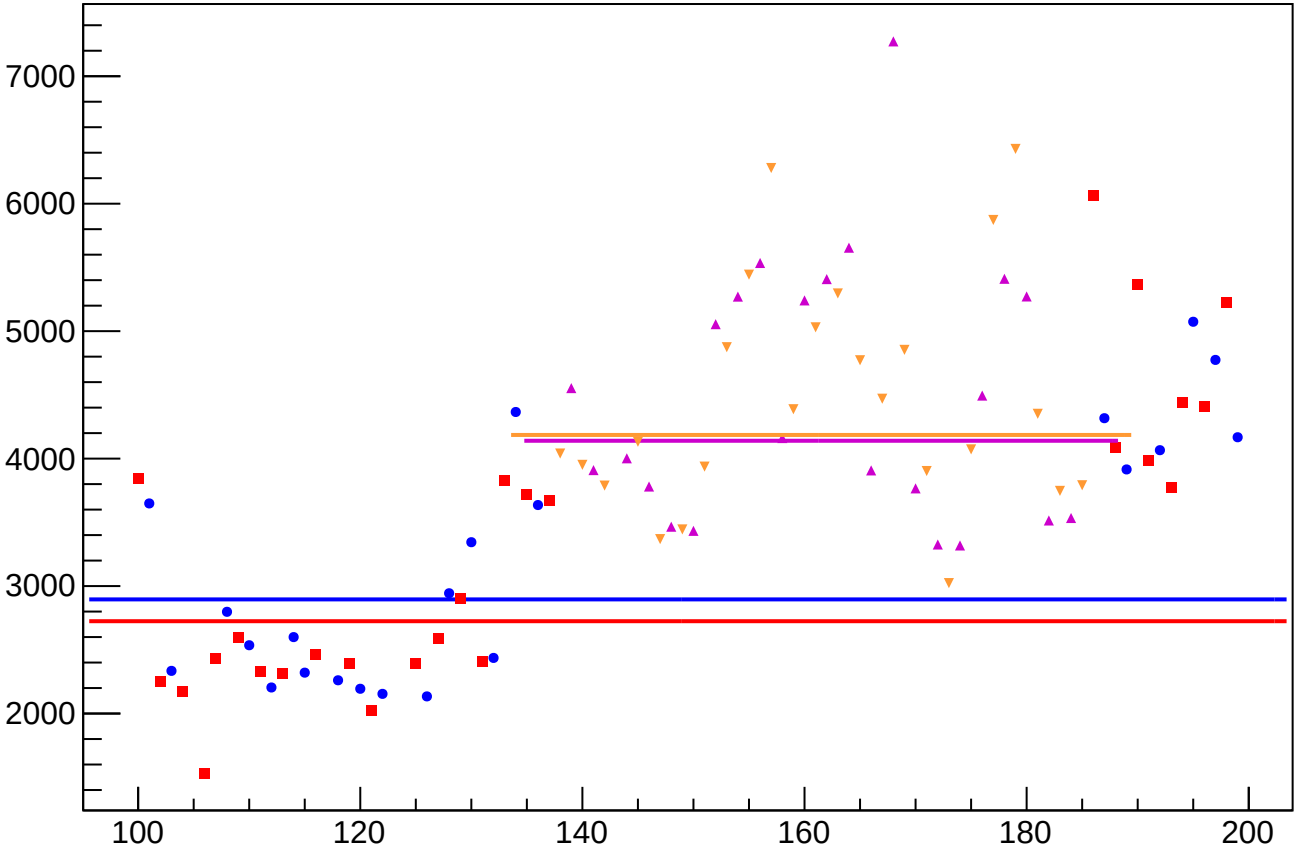
Right: 451.060+/-600.428 χ^2/NDF: 55.5/47

In: 154.465+/-662.954 χ^2/NDF:36.5/44

Out: 564.209+/-628.887 χ^2/NDF:62.0/49

All: 370.135+/-456.259 χ^2/NDF: 98.7/94

asym_usl_atl2_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 2895.452+/-0.631 χ^2/NDF: 1837226.6/21

Left Out: 4185.656+/-0.704 χ^2/NDF:1271248.5/23

Right Out: 2724.393+/-0.574 χ^2/NDF: 2612286.7/25

Left In: 4140.051+/-0.700 χ^2/NDF:1449924.0/22

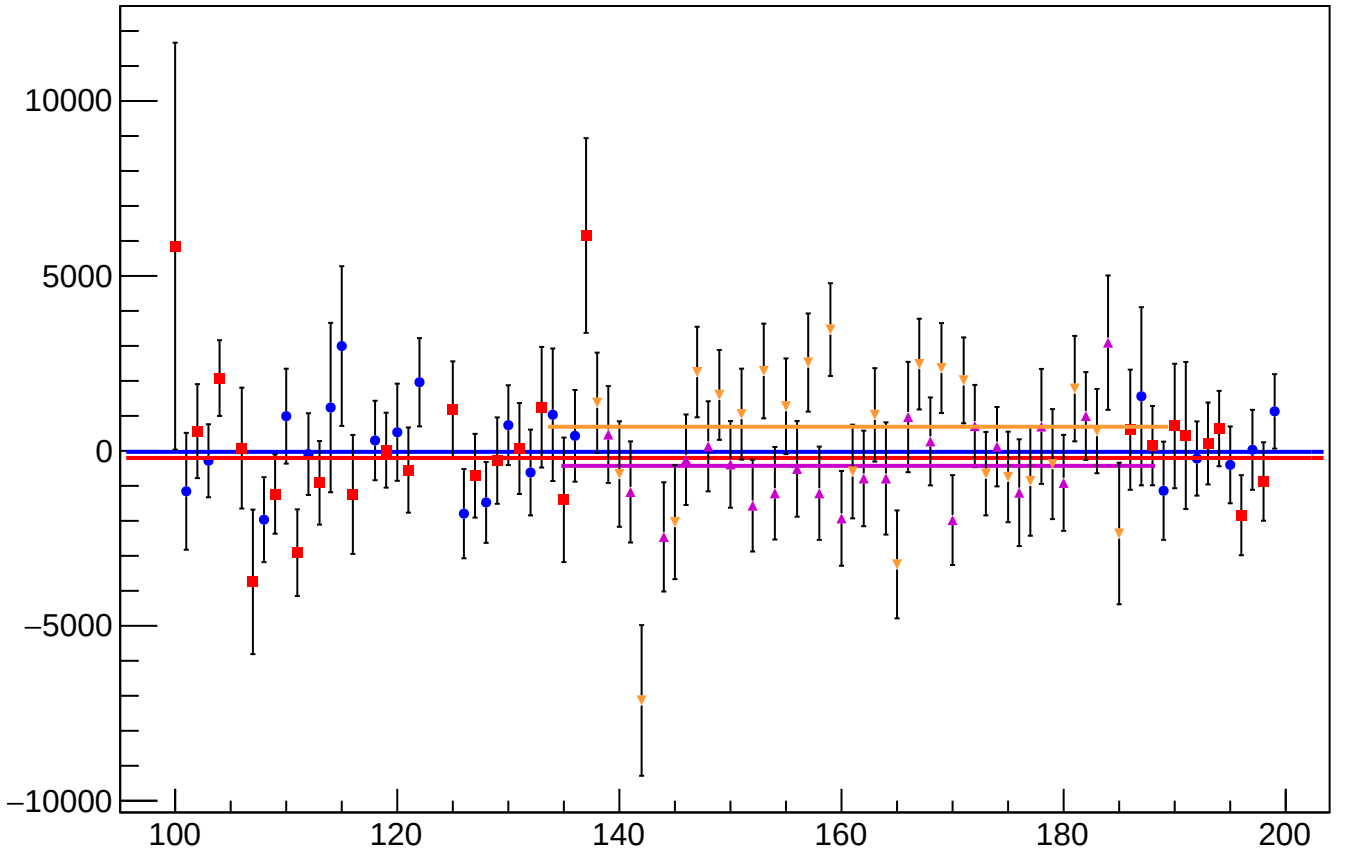
Left: 4162.737+/-0.496 χ^2/NDF: 2723283.3/46

Right: 2801.796+/-0.425 χ^2/NDF: 4489729.3/47

In: 3453.477+/-0.469 χ^2/NDF:5030578.4/44

Out: 3307.969+/-0.445 χ^2/NDF:6473663.9/49

All: 3376.888+/-0.323 χ^2/NDF: 11554955.0/9



Right In: -27.928+/-275.159 χ^2/NDF: 15.3/21

Left Out: 689.089+/-284.388 χ^2/NDF:45.7/23

Right Out: -202.113+/-266.284 χ^2/NDF: 26.7/25

Left In: -428.050+/-284.383 χ^2/NDF:14.6/22

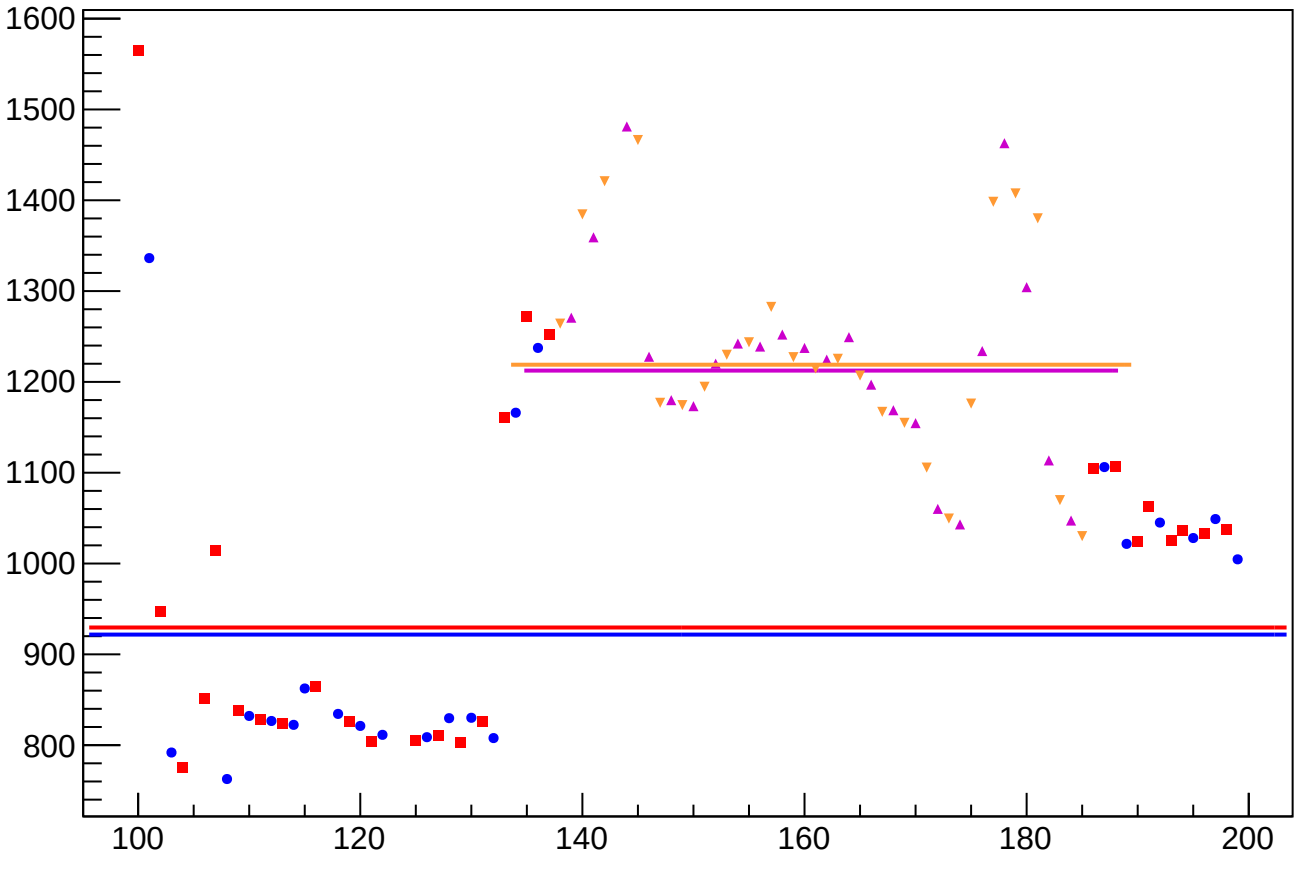
Left: 130.510+/-201.091 χ^2/NDF: 68.1/46

Right: -117.875+/-191.352 χ^2/NDF: 42.3/47

In: -221.394+/-197.747 χ^2/NDF:31.0/44

Out: 214.220+/-194.377 χ^2/NDF:77.7/49

All: 0.157+/-138.621 χ^2/NDF: 111.2/94



Right In: 921.751+/-0.195 χ^2/NDF: 564139.0/21

Left Out: 1218.929+/-0.201 χ^2/NDF:293885.7/23

Right Out: 929.564+/-0.188 χ^2/NDF: 515300.3/25

Left In: 1212.448+/-0.201 χ^2/NDF:260330.4/22

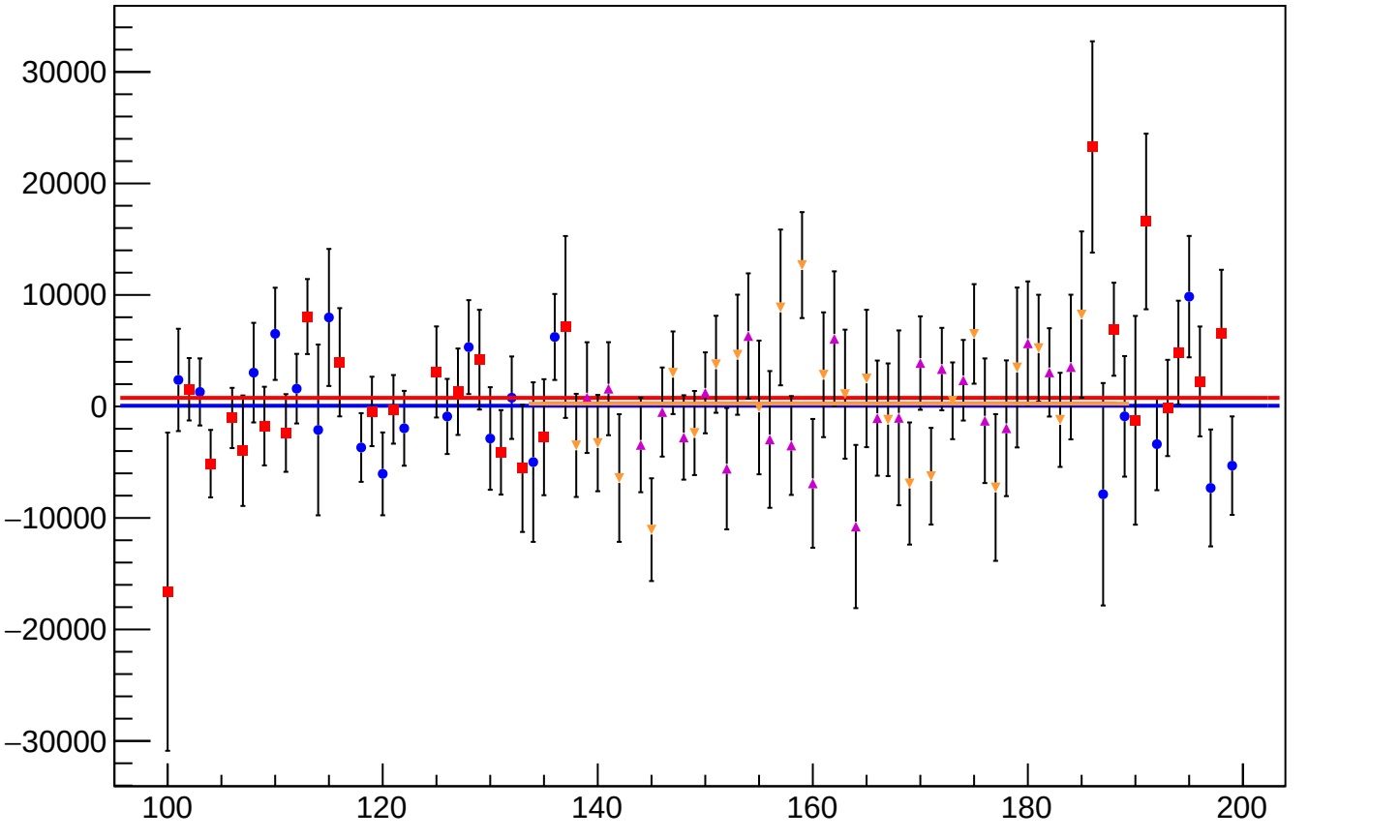
Left: 1215.689+/-0.142 χ^2/NDF: 554735.4/46

Right: 925.788+/-0.135 χ^2/NDF: 1080272.6/47

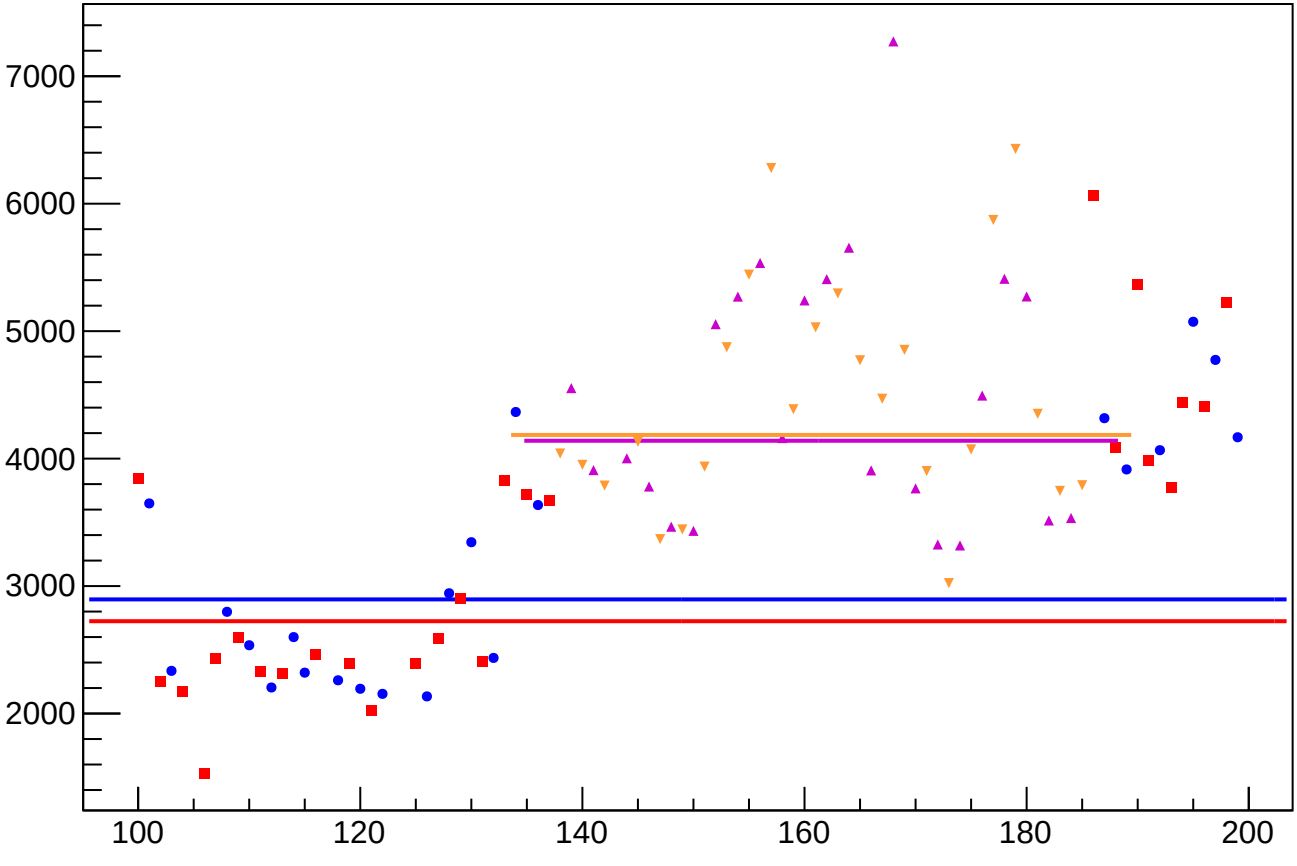
In: 1062.308+/-0.140 χ^2/NDF:1903810.8/44

Out: 1064.650+/-0.137 χ^2/NDF:1913163.2/49

All: 1063.500+/-0.098 χ^2/NDF: 3817116.7/94


asym_usl_atl2_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
100
120
140
160
180
200
Right In: 63.620+/-892.594 χ²/NDF: 23.0/21
Left Out: 252.805+/-995.151 χ²/NDF:29.7/23
Right Out: 771.258+/-811.458 χ²/NDF: 32.2/25
Left In: 266.236+/-990.085 χ²/NDF:13.4/22
Left: 259.555+/-701.880 χ²/NDF: 43.1/46
Right: 451.056+/-600.427 χ²/NDF: 55.5/47
In: 154.464+/-662.954 χ²/NDF:36.5/44
Out: 564.208+/-628.887 χ²/NDF:62.0/49
All: 370.134+/-456.258 χ²/NDF: 98.7/94

asym_usl_atl2_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 2895.444+/-0.631 χ^2/NDF: 1837252.1/21

Left Out: 4185.664+/-0.704 χ^2/NDF:1271247.4/23

Right Out: 2724.387+/-0.574 χ^2/NDF: 2612310.5/25

Left In: 4140.059+/-0.700 χ^2/NDF:1449925.1/22

Left: 4162.745+/-0.496 χ^2/NDF: 2723283.4/46

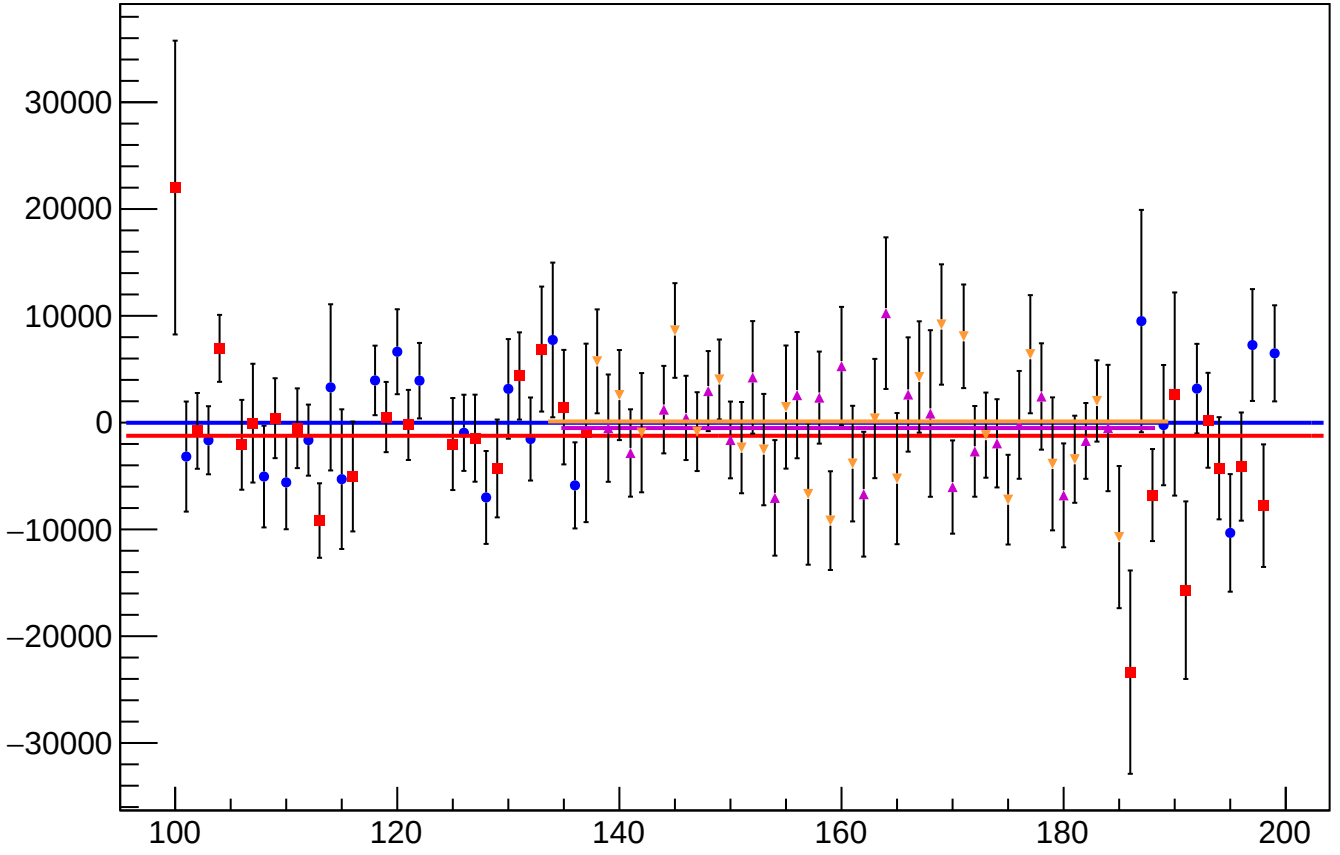
Right: 2801.789+/-0.425 χ^2/NDF: 4489778.2/47

In: 3453.473+/-0.469 χ^2/NDF:5030648.3/44

Out: 3307.965+/-0.445 χ^2/NDF:6473737.3/49

All: 3376.885+/-0.323 χ^2/NDF: 11555098.3/9

asym_usl_atl2_dd_mean vs Slug, Sign Corrected



Right In: -14.943+/-936.382 χ^2/NDF: 25.5/21

Left Out: 108.966+/-975.598 χ^2/NDF:28.0/23

Right Out: -1233.049+/-884.689 χ^2/NDF: 33.0/25

Left In: -509.024+/-974.173 χ^2/NDF:13.5/22

Left: -200.481+/-689.348 χ^2/NDF: 41.8/46

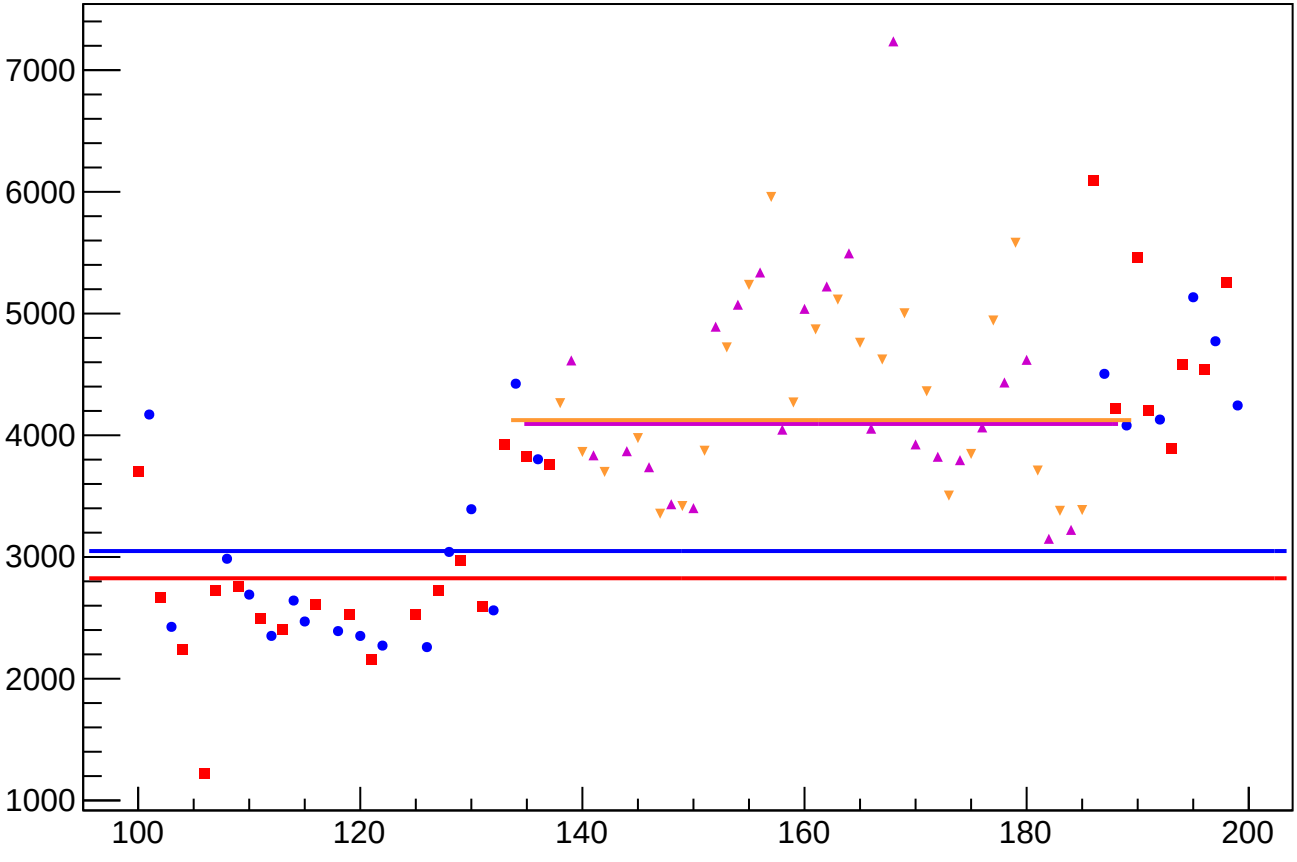
Right: -658.545+/-643.068 χ^2/NDF: 59.4/47

In: -252.214+/-675.087 χ^2/NDF:39.1/44

Out: -627.467+/-655.358 χ^2/NDF:62.1/49

All: -445.404+/-470.228 χ^2/NDF: 101.4/94

asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 3048.890+/-0.662 χ^2/NDF: 1699318.7/21

Left Out: 4124.485+/-0.690 χ^2/NDF:969929.3/23

Right Out: 2825.202+/-0.602 χ^2/NDF: 2847648.6/25

Left In: 4093.066+/-0.689 χ^2/NDF:1162851.8/22

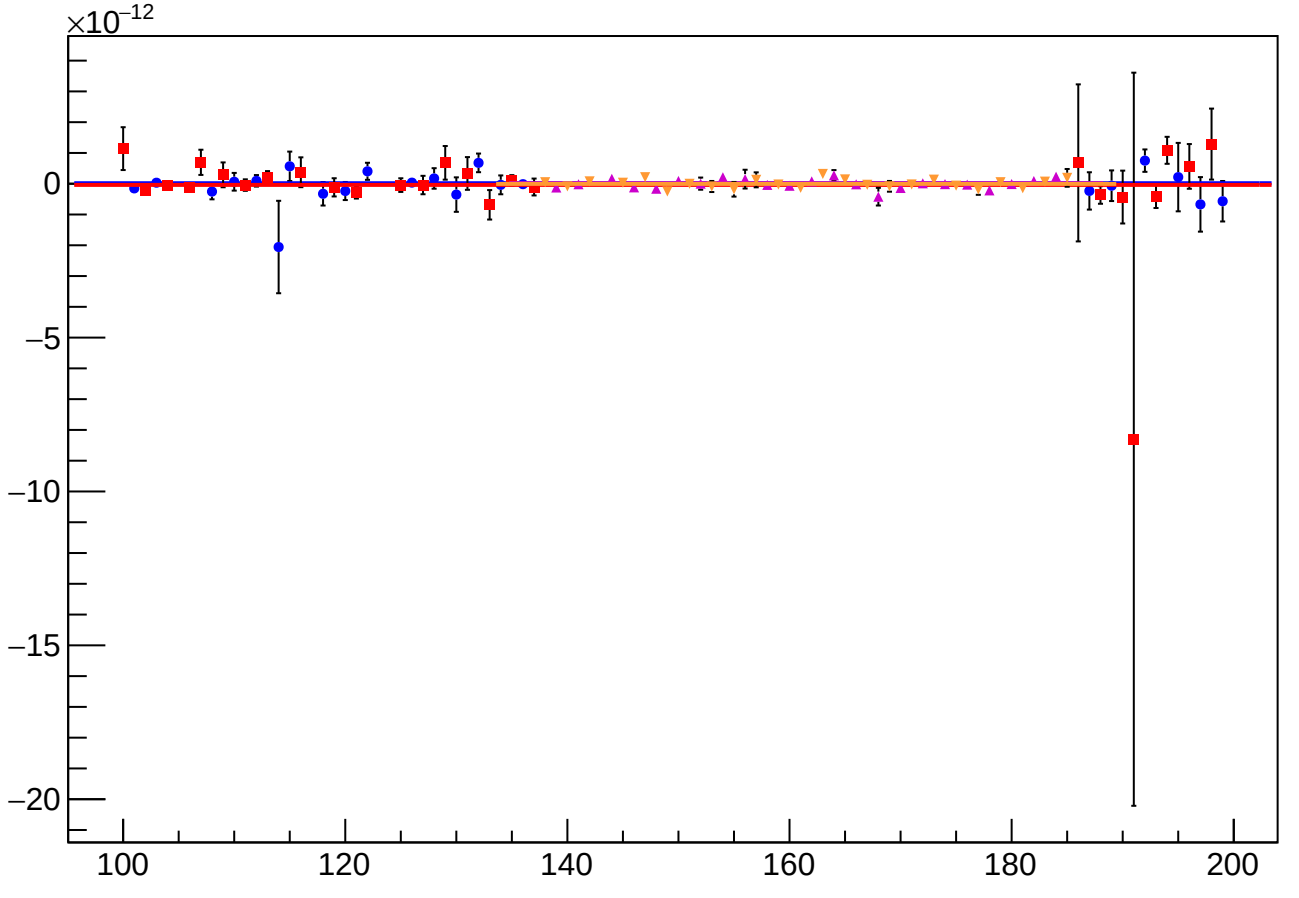
Left: 4108.753+/-0.487 χ^2/NDF: 2133819.7/46

Right: 2926.494+/-0.446 χ^2/NDF: 4609417.4/47

In: 3550.332+/-0.477 χ^2/NDF:4056487.2/44

Out: 3387.253+/-0.454 χ^2/NDF:5830353.5/49

All: 3464.656+/-0.329 χ^2/NDF: 9948156.1/94



Right In: 0.000+/-0.000 χ^2/NDF: 21.1/21

Left Out: -0.000+/-0.000 χ^2/NDF:24.2/23

Right Out: -0.000+/-0.000 χ^2/NDF: 28.5/25

Left In: 0.000+/-0.000 χ^2/NDF:25.7/22

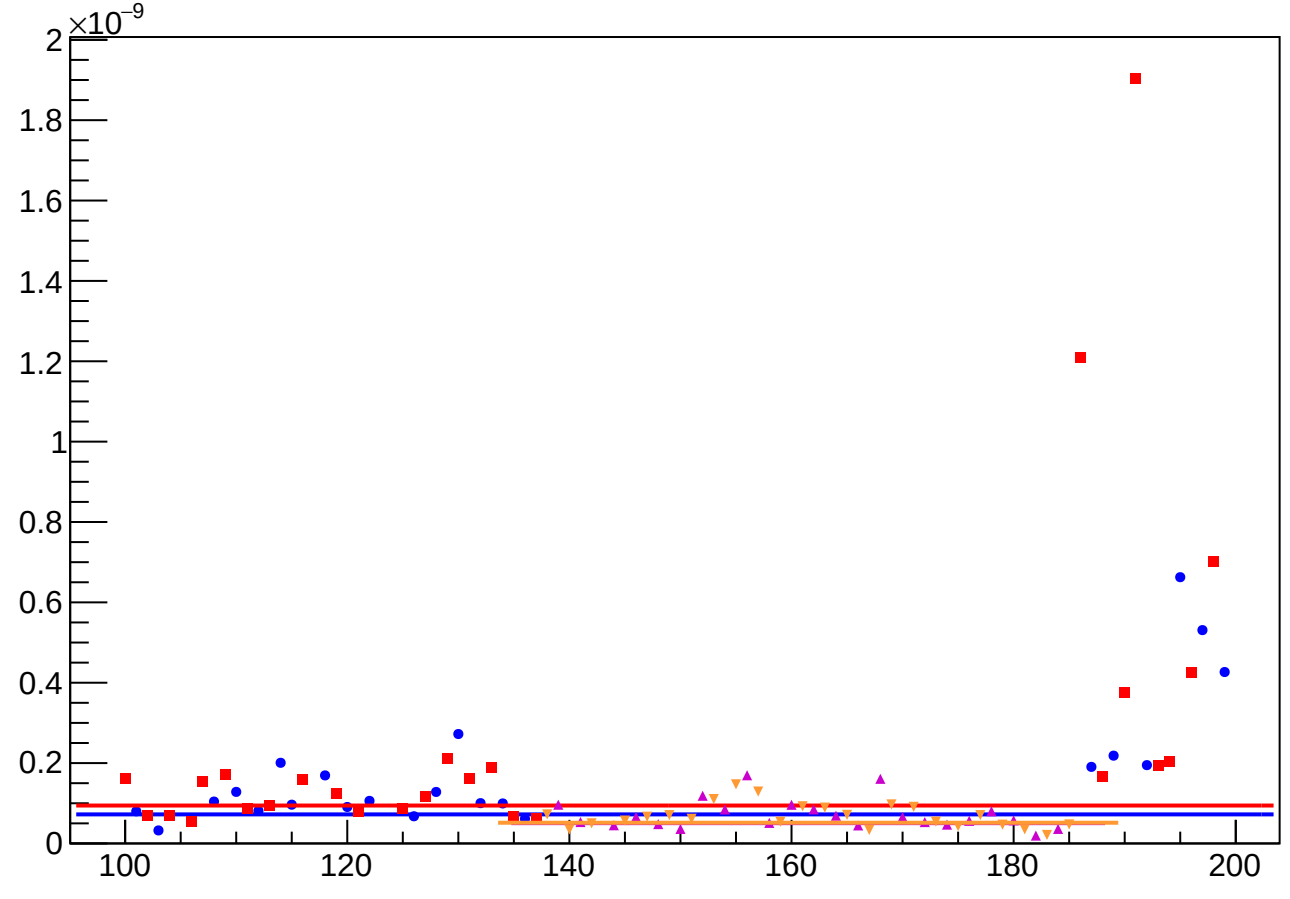
Left: 0.000+/-0.000 χ^2/NDF: 50.4/46

Right: -0.000+/-0.000 χ^2/NDF: 50.3/47

In: 0.000+/-0.000 χ^2/NDF:46.8/44

Out: -0.000+/-0.000 χ^2/NDF:53.1/49

All: 0.000+/-0.000 χ^2/NDF: 100.8/94



Right In: 0.000+/-0.000 χ^2/NDF: 3431302.3/21

Left Out: 0.000+/-0.000 χ^2/NDF:2269565.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 2771767.5/25

Left In: 0.000+/-0.000 χ^2/NDF:2433650.3/22

Left: 0.000+/-0.000 χ^2/NDF: 4705429.8/46

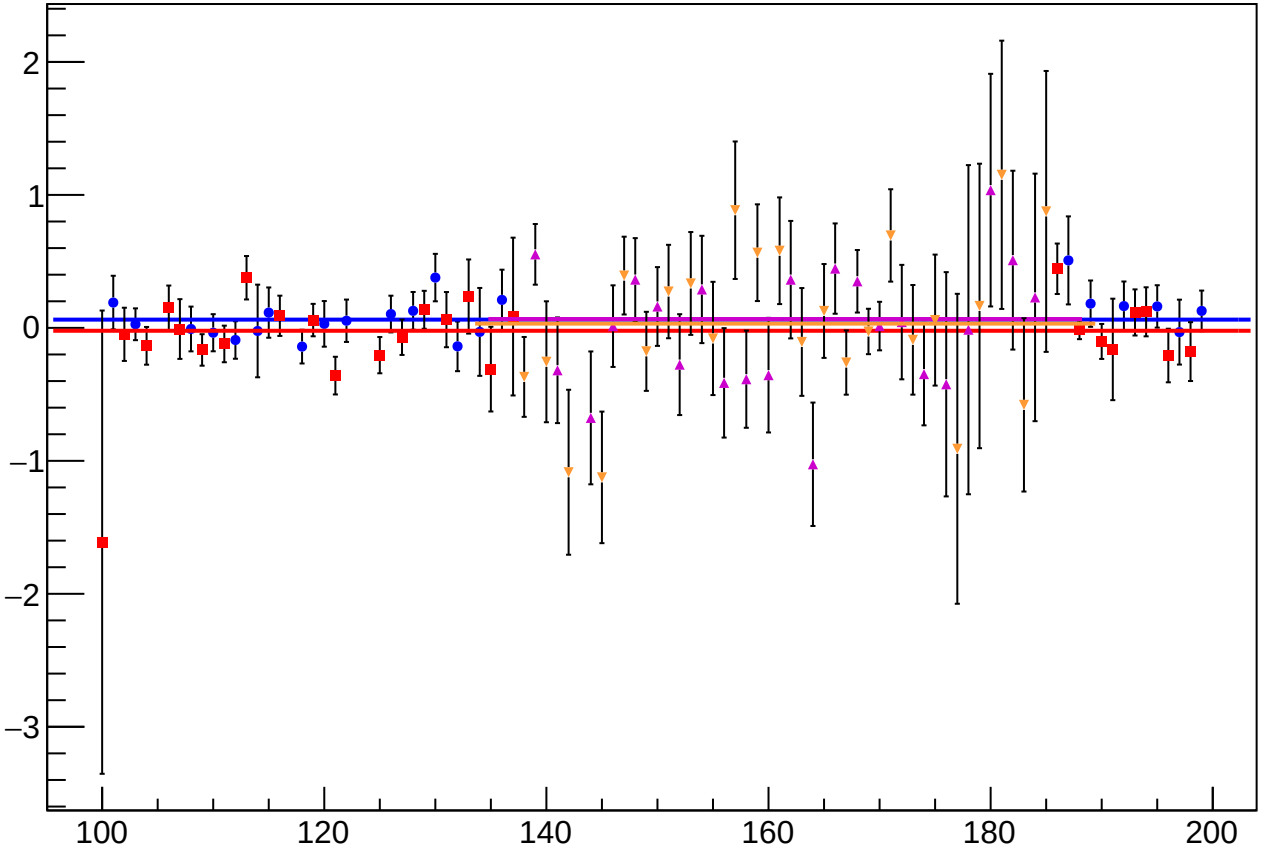
Right: 0.000+/-0.000 χ^2/NDF: 6418830.4/47

In: 0.000+/-0.000 χ^2/NDF:6268427.0/44

Out: 0.000+/-0.000 χ^2/NDF:6212852.7/49

All: 0.000+/-0.000 χ^2/NDF: 12509382.1/94

asym_usl_atl2_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.062+/-0.036 χ^2/NDF: 13.5/21

Left Out: 0.032+/-0.076 χ^2/NDF:29.7/23

Right Out: -0.022+/-0.031 χ^2/NDF: 31.3/25

Left In: 0.067+/-0.075 χ^2/NDF:25.7/22

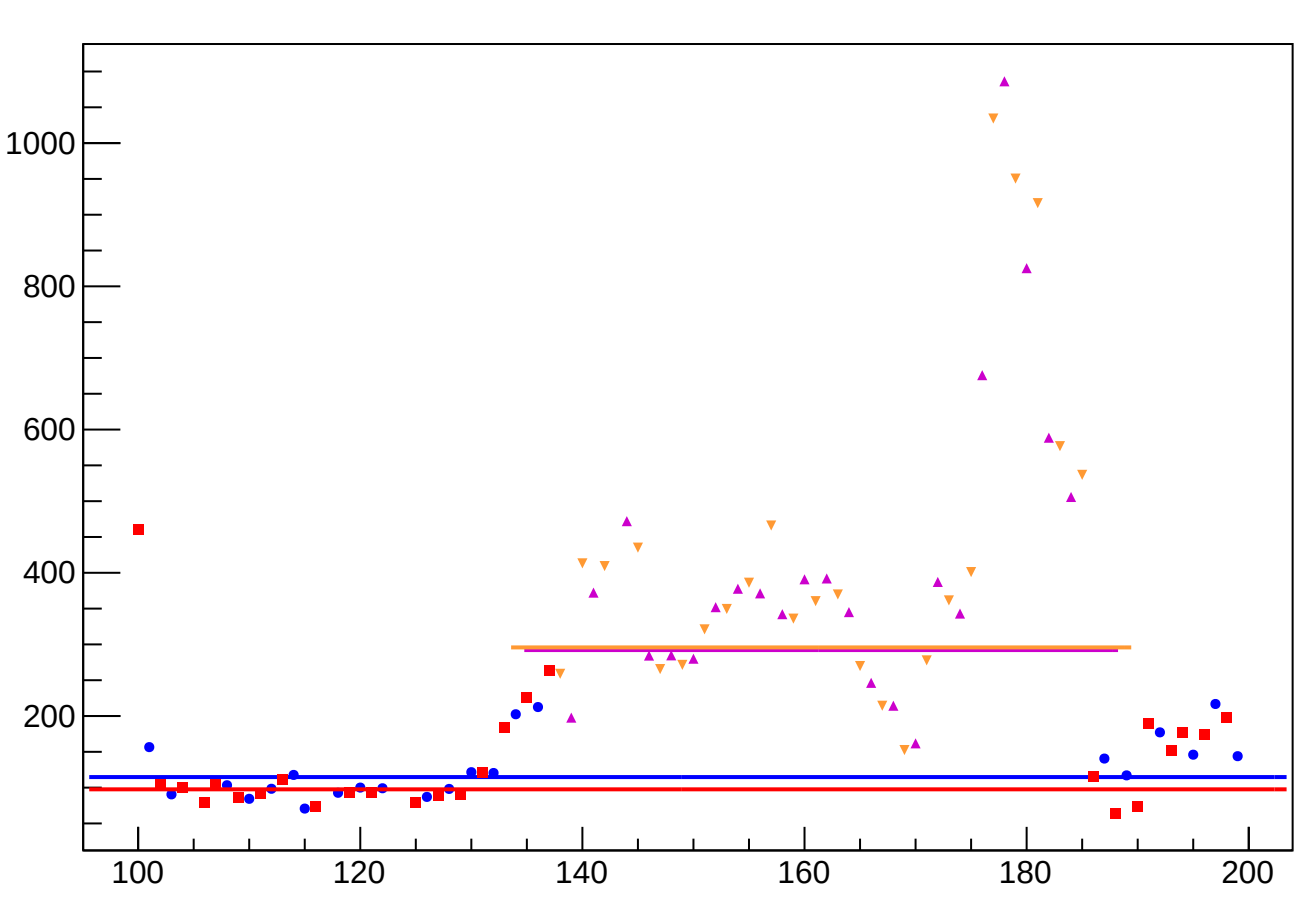
Left: 0.050+/-0.053 χ^2/NDF: 55.5/46

Right: 0.013+/-0.023 χ^2/NDF: 48.0/47

In: 0.063+/-0.033 χ^2/NDF:39.2/44

Out: -0.014+/-0.028 χ^2/NDF:61.5/49

All: 0.019+/-0.021 χ^2/NDF: 103.9/94



Right In: 114.757+/-0.026 χ^2/NDF: 1864777.9/21

Left Out: 295.798+/-0.054 χ^2/NDF:5501077.8/23

Right Out: 97.624+/-0.022 χ^2/NDF: 2893629.4/25

Left In: 292.100+/-0.053 χ^2/NDF:5055737.7/22

Left: 293.917+/-0.038 χ^2/NDF: 10559224.0/46

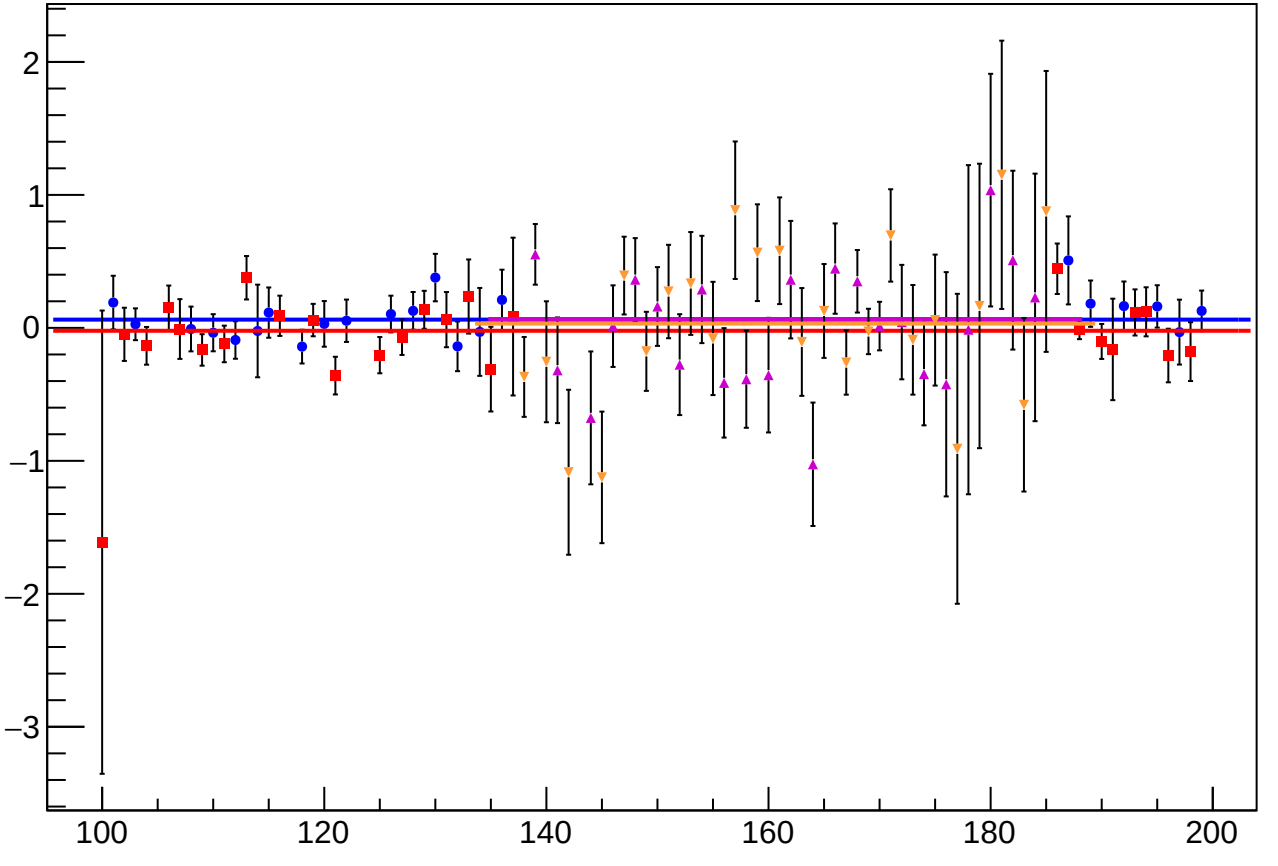
Right: 104.773+/-0.017 χ^2/NDF: 5019877.0/47

In: 148.428+/-0.023 χ^2/NDF:16047717.7/44

Out: 125.278+/-0.020 χ^2/NDF:20094207.9/49

All: 135.278+/-0.015 χ^2/NDF: 36716253.4/94

asym_usl_atl2_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.062+/-0.036 χ^2/NDF: 13.5/21

Left Out: 0.032+/-0.076 χ^2/NDF:29.7/23

Right Out: -0.022+/-0.031 χ^2/NDF: 31.3/25

Left In: 0.067+/-0.075 χ^2/NDF:25.7/22

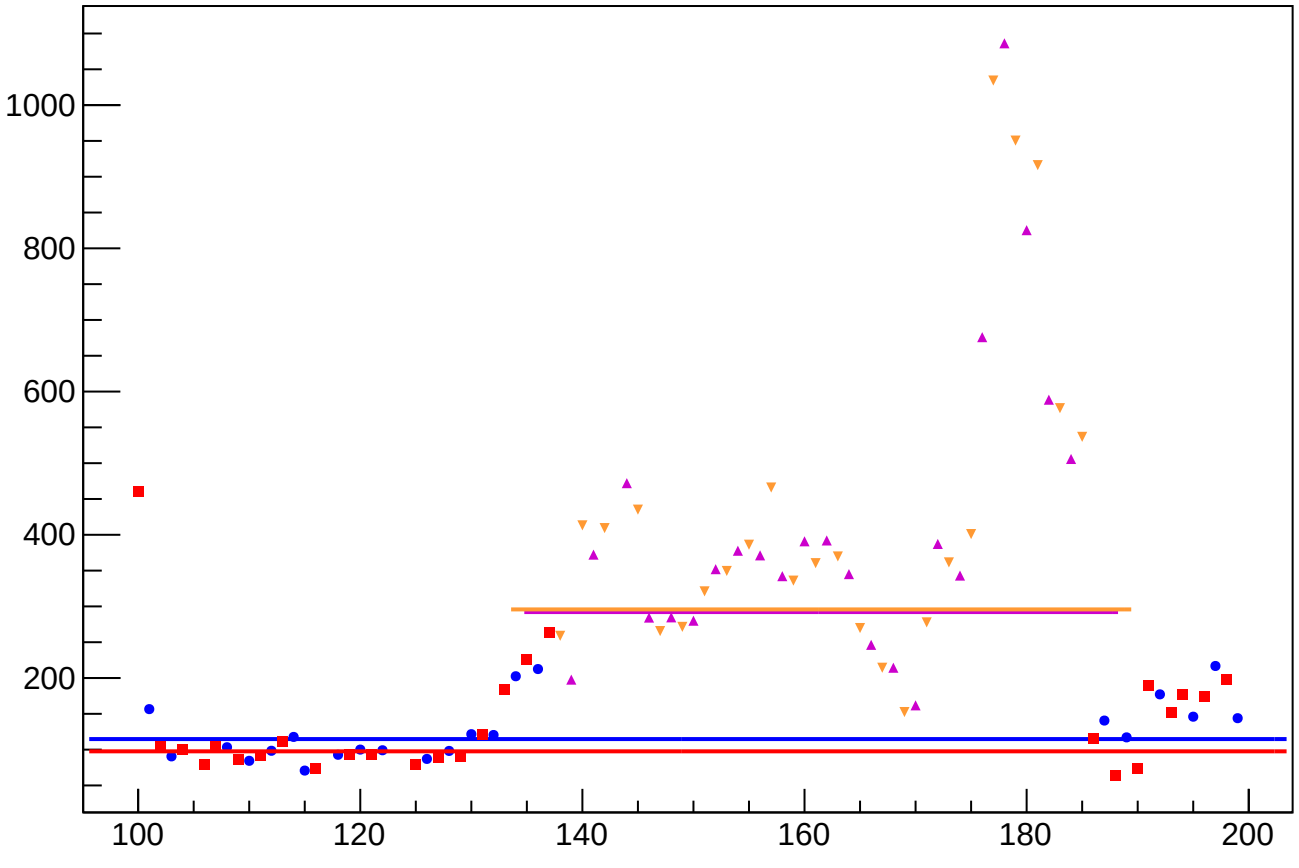
Left: 0.050+/-0.053 χ^2/NDF: 55.5/46

Right: 0.013+/-0.023 χ^2/NDF: 48.0/47

In: 0.063+/-0.033 χ^2/NDF:39.2/44

Out: -0.014+/-0.028 χ^2/NDF:61.5/49

All: 0.019+/-0.021 χ^2/NDF: 103.9/94



Right In: 114.757+/-0.026 χ^2/NDF: 1864777.9/21

Left Out: 295.798+/-0.054 χ^2/NDF:5501077.8/23

Right Out: 97.624+/-0.022 χ^2/NDF: 2893629.4/25

Left In: 292.100+/-0.053 χ^2/NDF:5055737.7/22

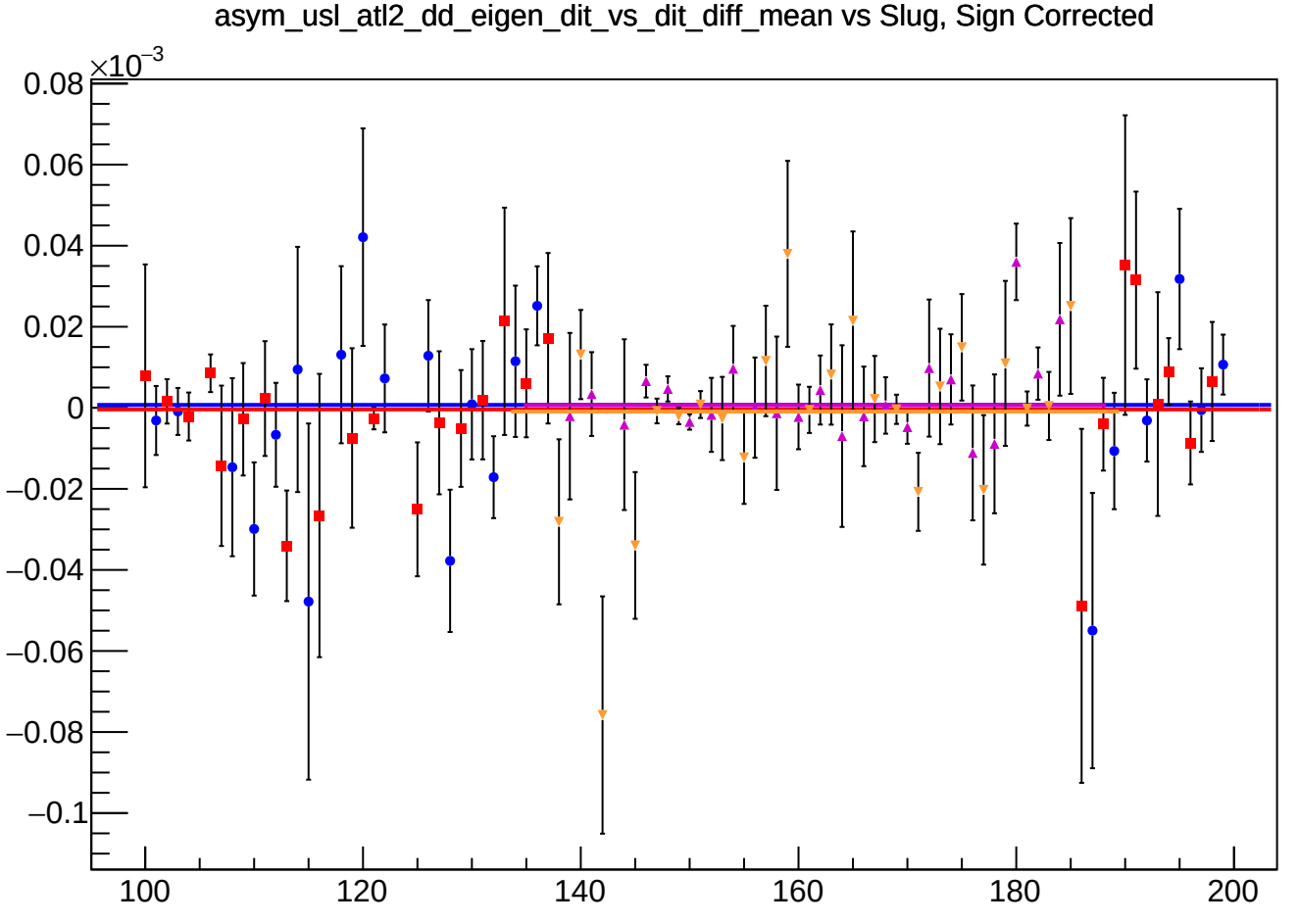
Left: 293.917+/-0.038 χ^2/NDF: 10559224.0/46

Right: 104.773+/-0.017 χ^2/NDF: 5019877.0/47

In: 148.428+/-0.023 χ^2/NDF:16047717.7/44

Out: 125.278+/-0.020 χ^2/NDF:20094207.9/49

All: 135.278+/-0.015 χ^2/NDF: 36716253.4/94



Right In: 0.000+/-0.000 χ^2/NDF: 32.6/21

Left Out: -0.000+/-0.000 χ^2/NDF:29.1/23

Right Out: -0.000+/-0.000 χ^2/NDF: 22.5/25

Left In: 0.000+/-0.000 χ^2/NDF:29.8/22

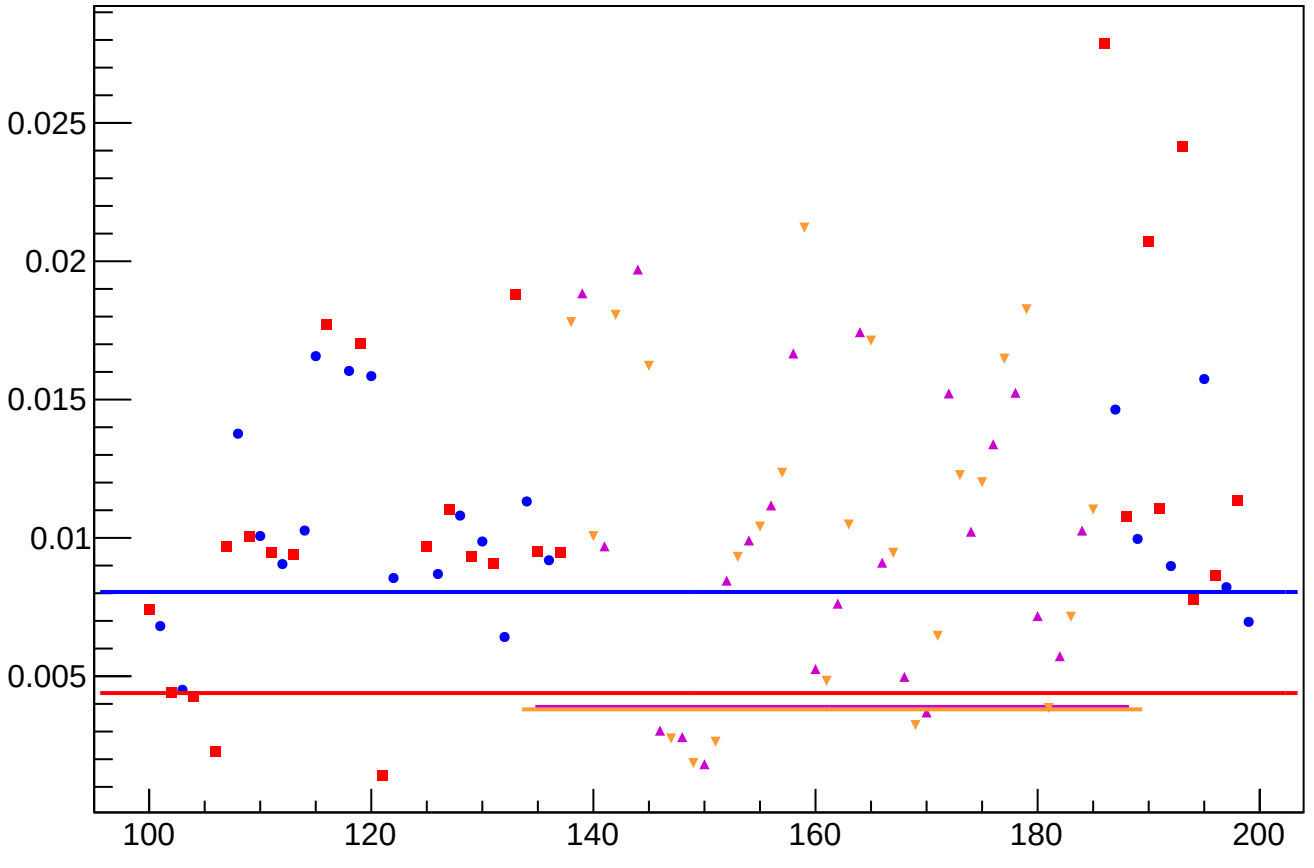
Left: -0.000+/-0.000 χ^2/NDF: 59.8/46

Right: -0.000+/-0.000 χ^2/NDF: 55.3/47

In: 0.000+/-0.000 χ^2/NDF:62.4/44

Out: -0.000+/-0.000 χ^2/NDF:51.6/49

All: -0.000+/-0.000 χ^2/NDF: 115.0/94



Right In: 0.008+/-0.000 χ^2/NDF: 2287582.7/21

Left Out: 0.004+/-0.000 χ^2/NDF:14624926.4/23

Right Out: 0.004+/-0.000 χ^2/NDF: 10668254.7/25

Left In: 0.004+/-0.000 χ^2/NDF:13523554.3/22

Left: 0.004+/-0.000 χ^2/NDF: 28153751.6/46

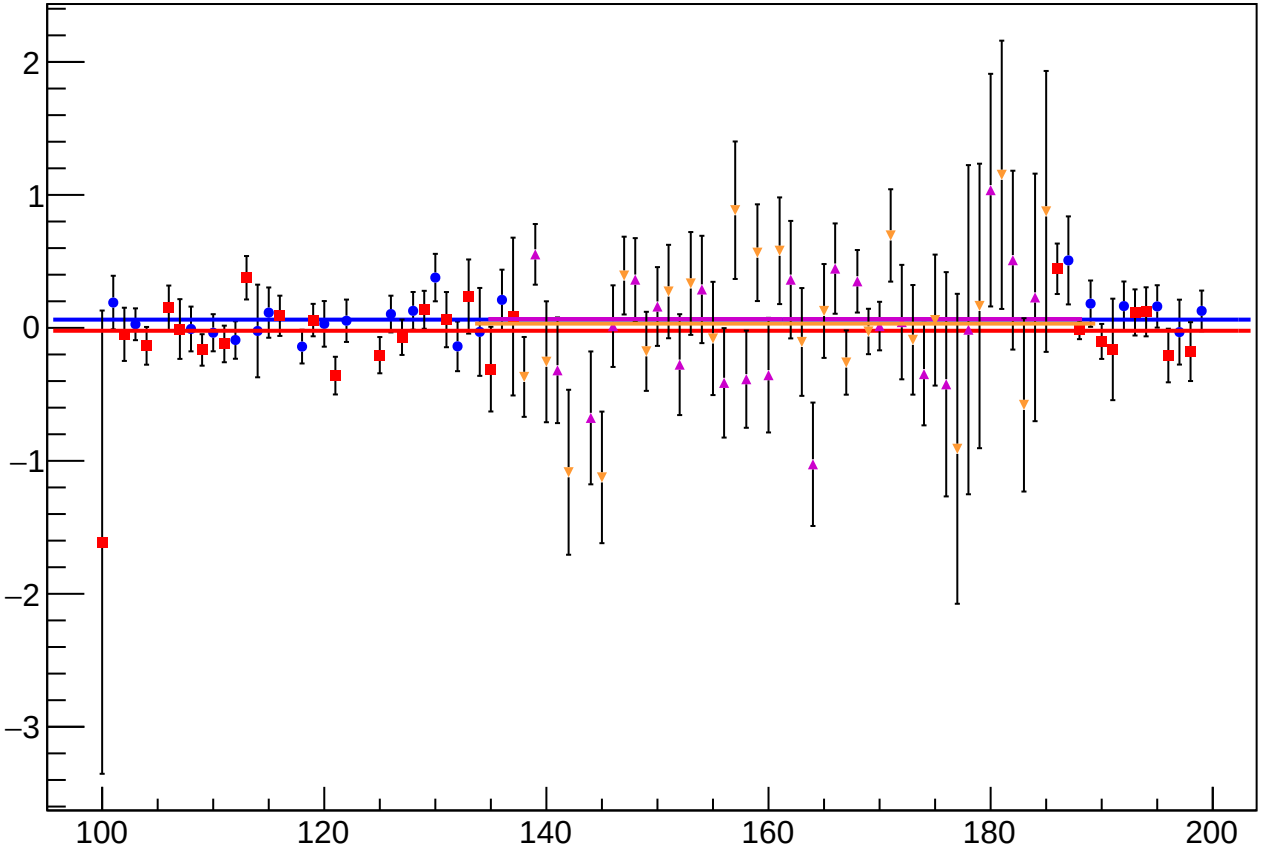
Right: 0.006+/-0.000 χ^2/NDF: 15721934.0/47

In: 0.005+/-0.000 χ^2/NDF:20018238.8/44

Out: 0.004+/-0.000 χ^2/NDF:25450901.1/49

All: 0.004+/-0.000 χ^2/NDF: 45877736.8/94

asym_usl_atl2_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.062+/-0.036 χ^2/NDF: 13.5/21

Left Out: 0.032+/-0.076 χ^2/NDF:29.7/23

Right Out: -0.022+/-0.031 χ^2/NDF: 31.3/25

Left In: 0.067+/-0.075 χ^2/NDF:25.7/22

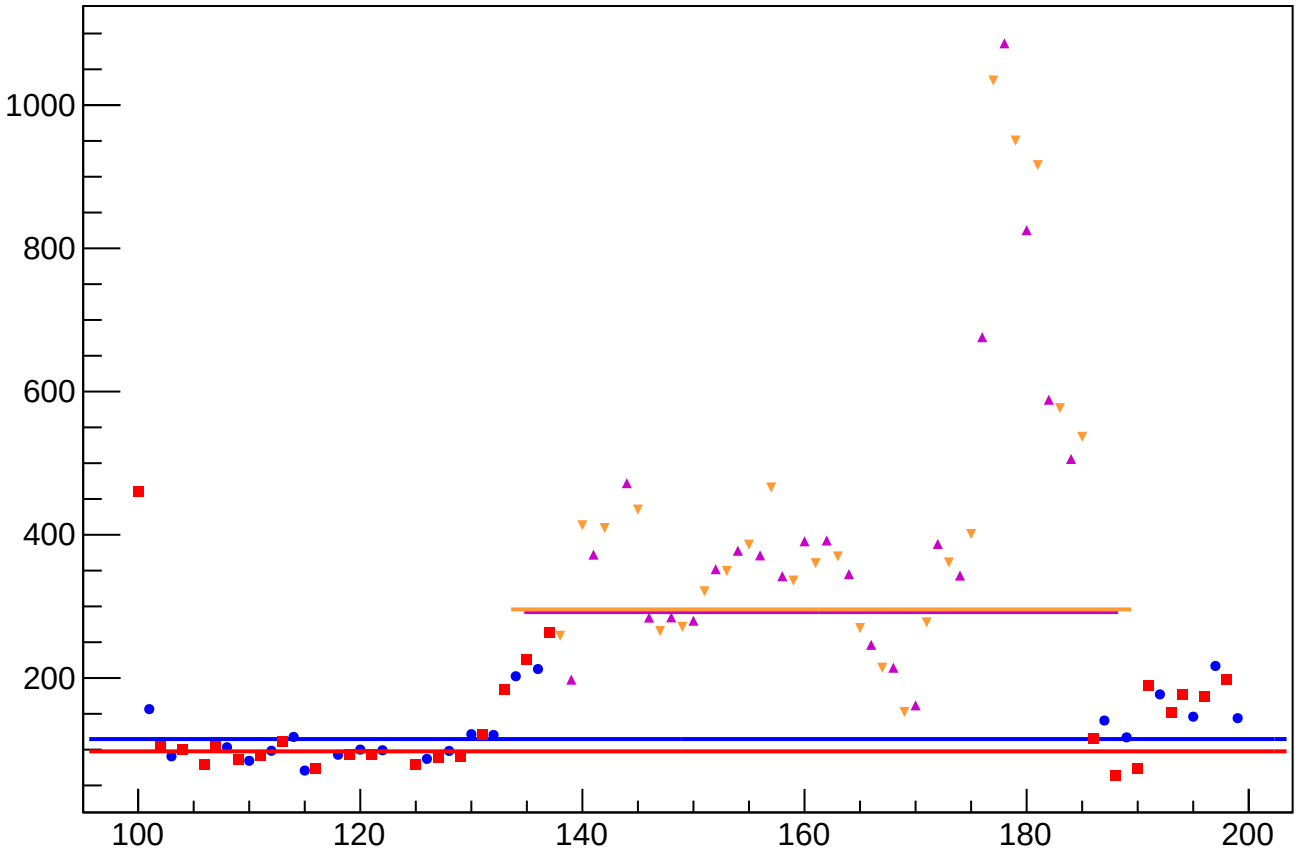
Left: 0.050+/-0.053 χ^2/NDF: 55.5/46

Right: 0.013+/-0.023 χ^2/NDF: 48.0/47

In: 0.063+/-0.033 χ^2/NDF:39.2/44

Out: -0.014+/-0.028 χ^2/NDF:61.5/49

All: 0.019+/-0.021 χ^2/NDF: 103.9/94



Right In: 114.757+/-0.026 χ^2/NDF: 1864720.2/21

Left Out: 295.800+/-0.054 χ^2/NDF:5501139.3/23

Right Out: 97.623+/-0.022 χ^2/NDF: 2893745.0/25

Left In: 292.103+/-0.053 χ^2/NDF:5055695.7/22

Left: 293.920+/-0.038 χ^2/NDF: 10559241.5/46

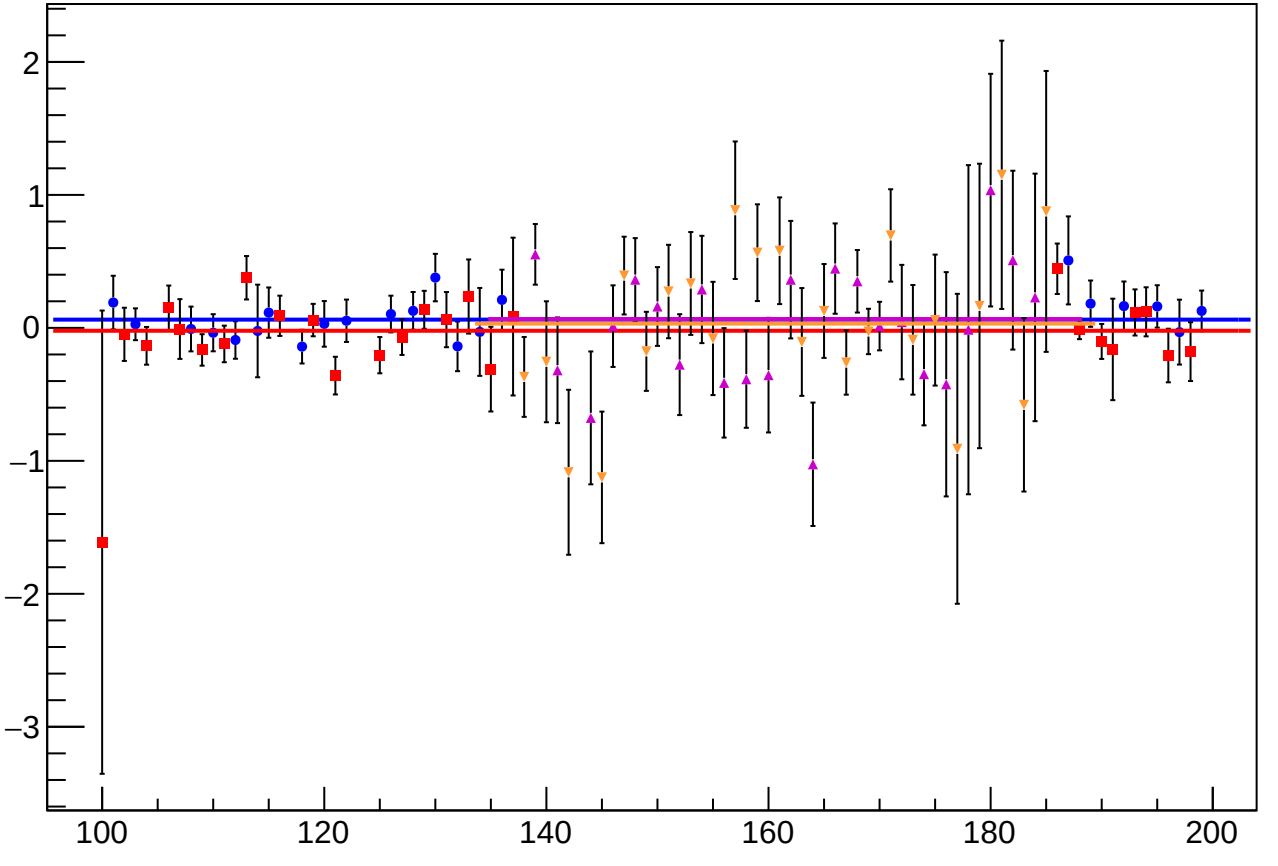
Right: 104.772+/-0.017 χ^2/NDF: 5019994.2/47

In: 148.428+/-0.023 χ^2/NDF:16047749.4/44

Out: 125.276+/-0.020 χ^2/NDF:20094672.2/49

All: 135.277+/-0.015 χ^2/NDF: 36716871.1/94

asym_usl_atl2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.062+/-0.036 χ^2/NDF: 13.5/21

Left Out: 0.032+/-0.076 χ^2/NDF:29.7/23

Right Out: -0.022+/-0.031 χ^2/NDF: 31.3/25

Left In: 0.067+/-0.075 χ^2/NDF:25.7/22

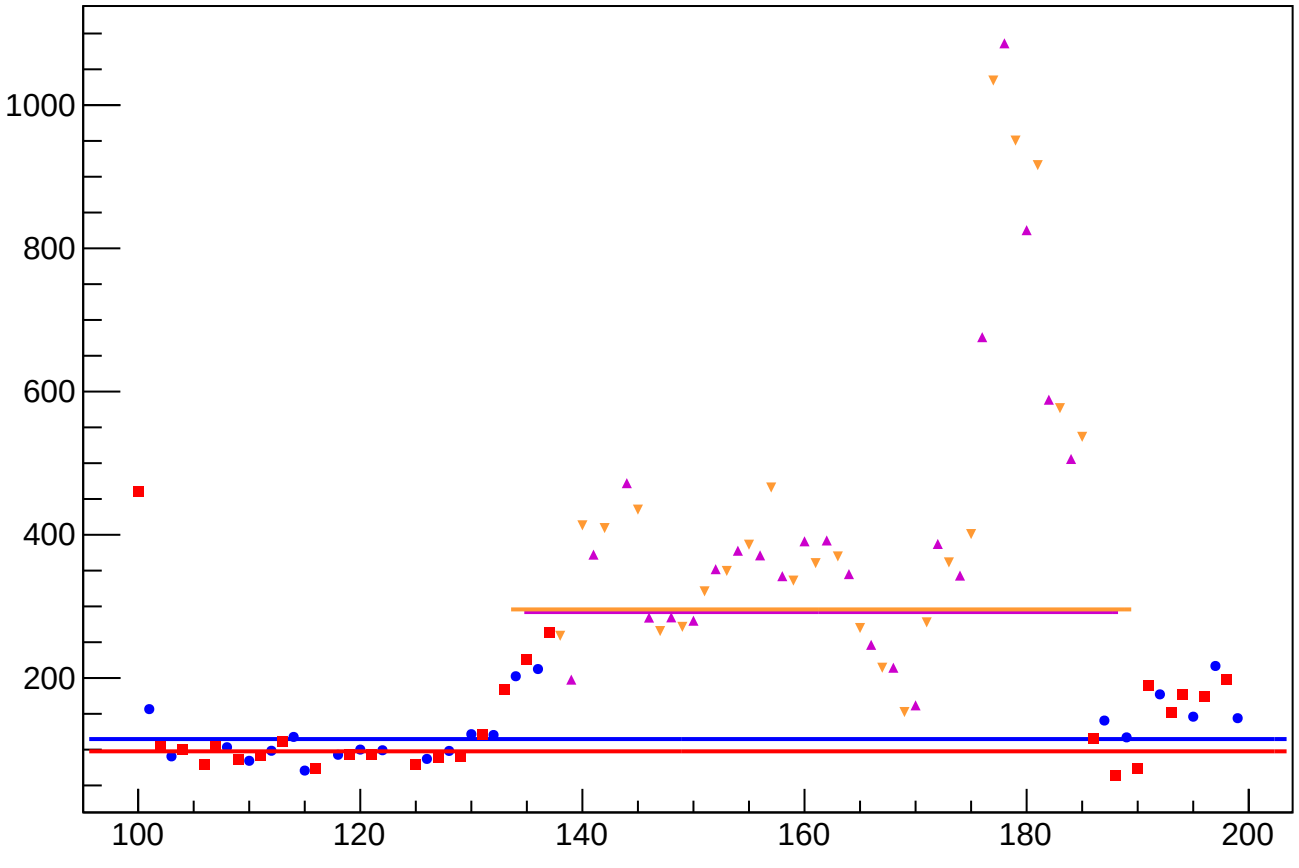
Left: 0.050+/-0.053 χ^2/NDF: 55.5/46

Right: 0.013+/-0.023 χ^2/NDF: 48.0/47

In: 0.063+/-0.033 χ^2/NDF:39.2/44

Out: -0.014+/-0.028 χ^2/NDF:61.5/49

All: 0.019+/-0.021 χ^2/NDF: 103.9/94



Right In: 114.757+/-0.026 χ^2/NDF: 1864720.2/21

Left Out: 295.800+/-0.054 χ^2/NDF:5501139.3/23

Right Out: 97.623+/-0.022 χ^2/NDF: 2893745.0/25

Left In: 292.103+/-0.053 χ^2/NDF:5055695.7/22

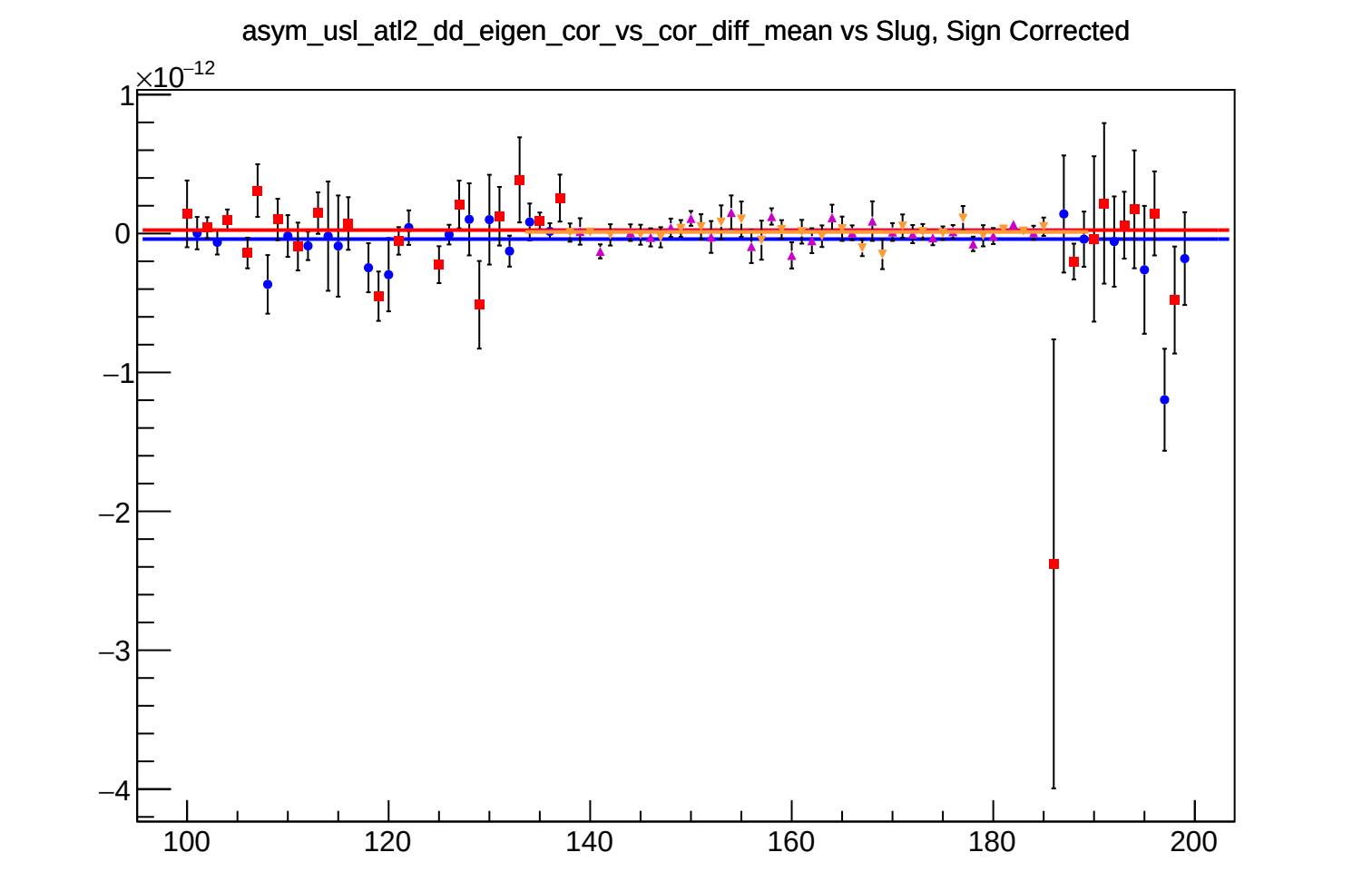
Left: 293.920+/-0.038 χ^2/NDF: 10559241.5/46

Right: 104.772+/-0.017 χ^2/NDF: 5019994.2/47

In: 148.428+/-0.023 χ^2/NDF:16047749.4/44

Out: 125.276+/-0.020 χ^2/NDF:20094672.2/49

All: 135.277+/-0.015 χ^2/NDF: 36716871.1/94



Right In: -0.000+/-0.000 χ^2/NDF: 19.2/21

Left Out: 0.000+/-0.000 χ^2/NDF:10.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 34.7/25

Left In: 0.000+/-0.000 χ^2/NDF:30.9/22

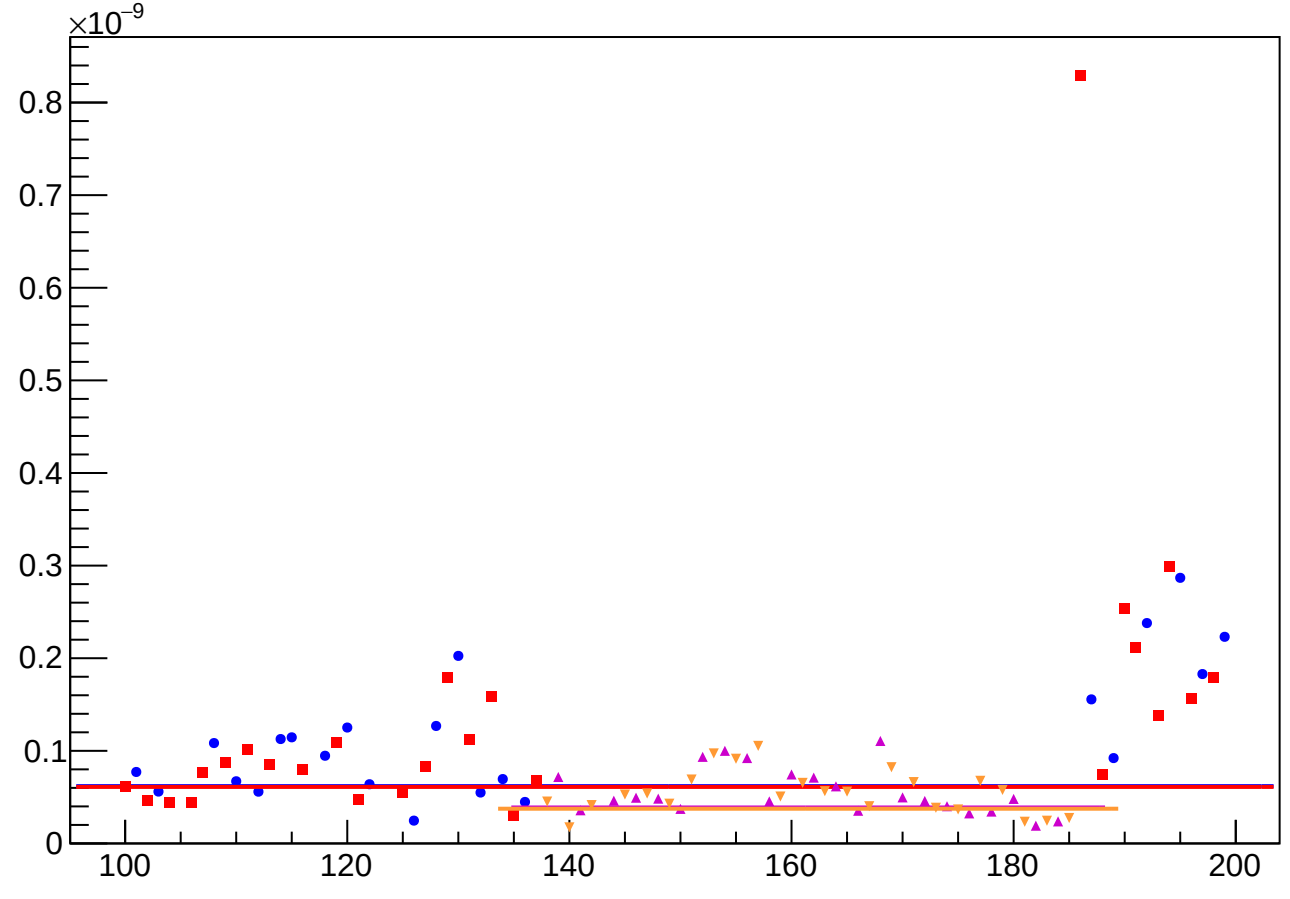
Left: 0.000+/-0.000 χ^2/NDF: 41.5/46

Right: -0.000+/-0.000 χ^2/NDF: 56.5/47

In: 0.000+/-0.000 χ^2/NDF:53.2/44

Out: 0.000+/-0.000 χ^2/NDF:45.5/49

All: 0.000+/-0.000 χ^2/NDF: 98.8/94



Right In: 0.000+/-0.000 χ^2/NDF: 3546509.0/21

Left Out: 0.000+/-0.000 χ^2/NDF:4983727.4/23

Right Out: 0.000+/-0.000 χ^2/NDF: 3877274.4/25

Left In: 0.000+/-0.000 χ^2/NDF:4577795.4/22

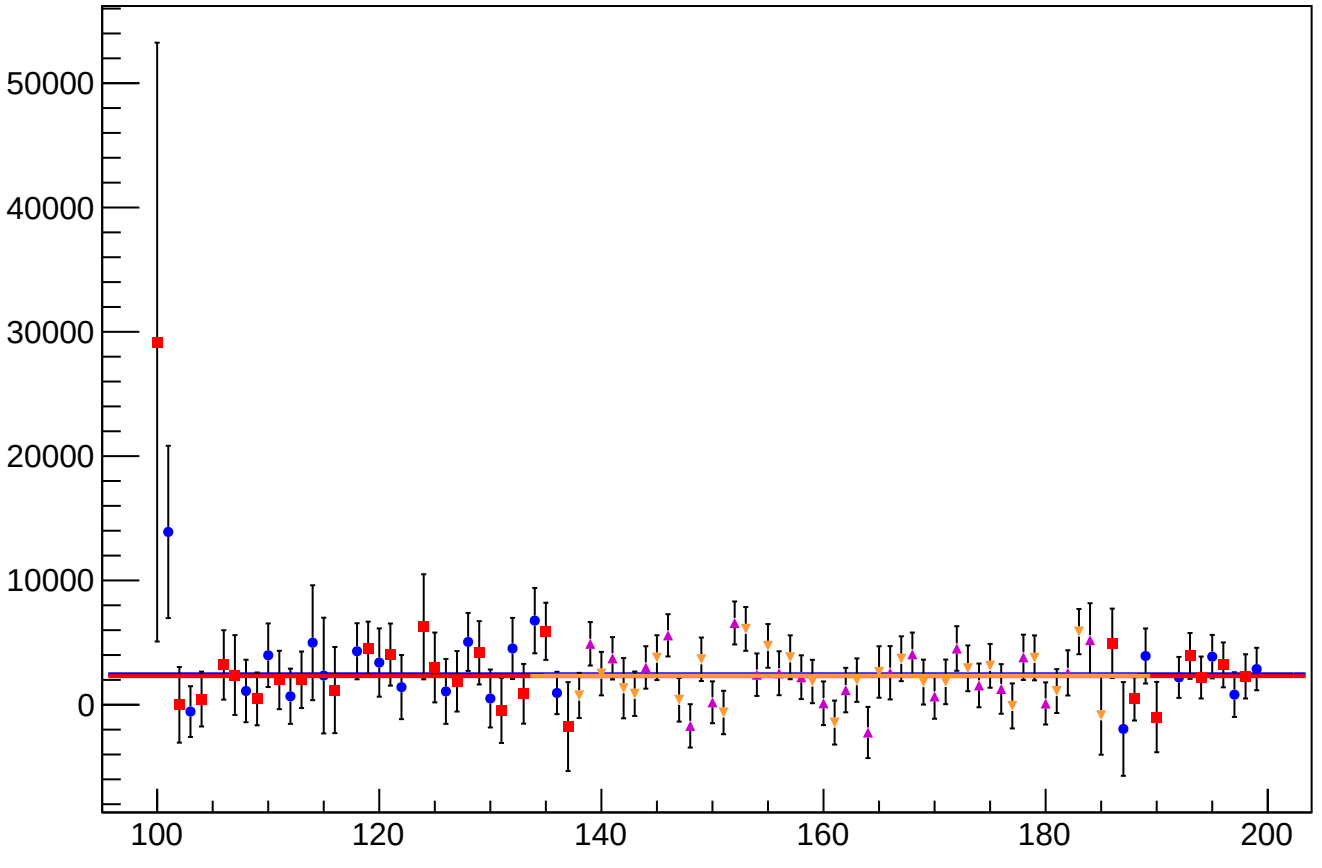
Left: 0.000+/-0.000 χ^2/NDF: 9574010.5/46

Right: 0.000+/-0.000 χ^2/NDF: 7424656.2/47

In: 0.000+/-0.000 χ^2/NDF:9213240.7/44

Out: 0.000+/-0.000 χ^2/NDF:10090370.8/49

All: 0.000+/-0.000 χ^2/NDF: 19313067.3/94



Right In: 2450.746+/-491.413 χ^2/NDF: 17.2/21

Left Out: 2321.067+/-366.301 χ^2/NDF:27.5/24

Right Out: 2300.018+/-468.804 χ^2/NDF: 16.2/25

Left In: 2370.629+/-376.798 χ^2/NDF:33.7/22

Left: 2345.148+/-262.646 χ^2/NDF: 61.2/47

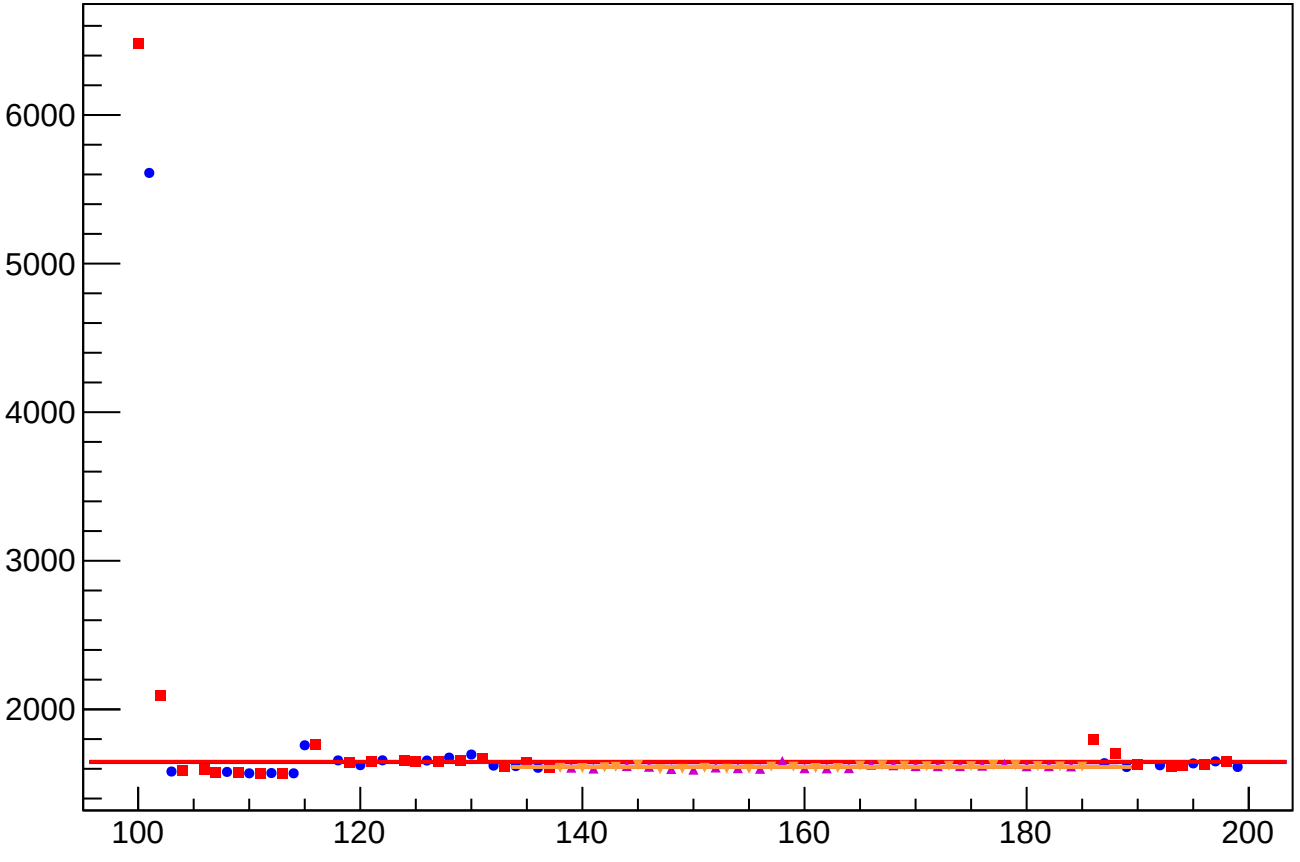
Right: 2371.835+/-339.206 χ^2/NDF: 33.5/47

In: 2400.292+/-299.015 χ^2/NDF:51.0/44

Out: 2313.088+/-288.640 χ^2/NDF:43.7/50

All: 2355.151+/-207.670 χ^2/NDF: 94.8/95

reg_asym_usr_atr1_avg_rms vs Slug, Sign Corrected



Right In: 1645.472+/-0.347 χ^2/NDF: 668490.0/21

Left Out: 1612.607+/-0.259 χ^2/NDF:1172.5/24

Right Out: 1647.139+/-0.331 χ^2/NDF: 145836.3/25

Left In: 1613.793+/-0.266 χ^2/NDF:2354.6/22

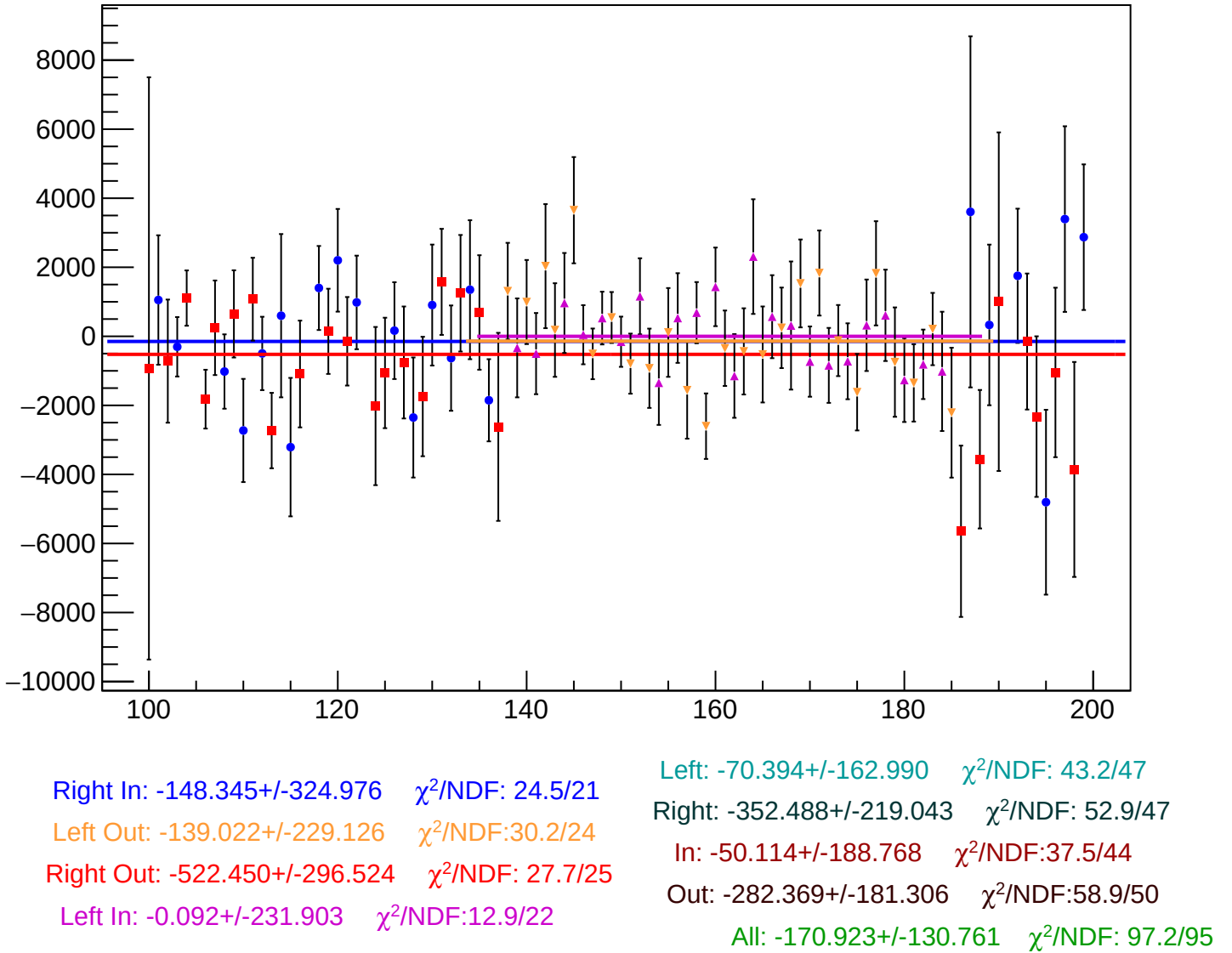
Left: 1613.183+/-0.186 χ^2/NDF: 3537.3/47

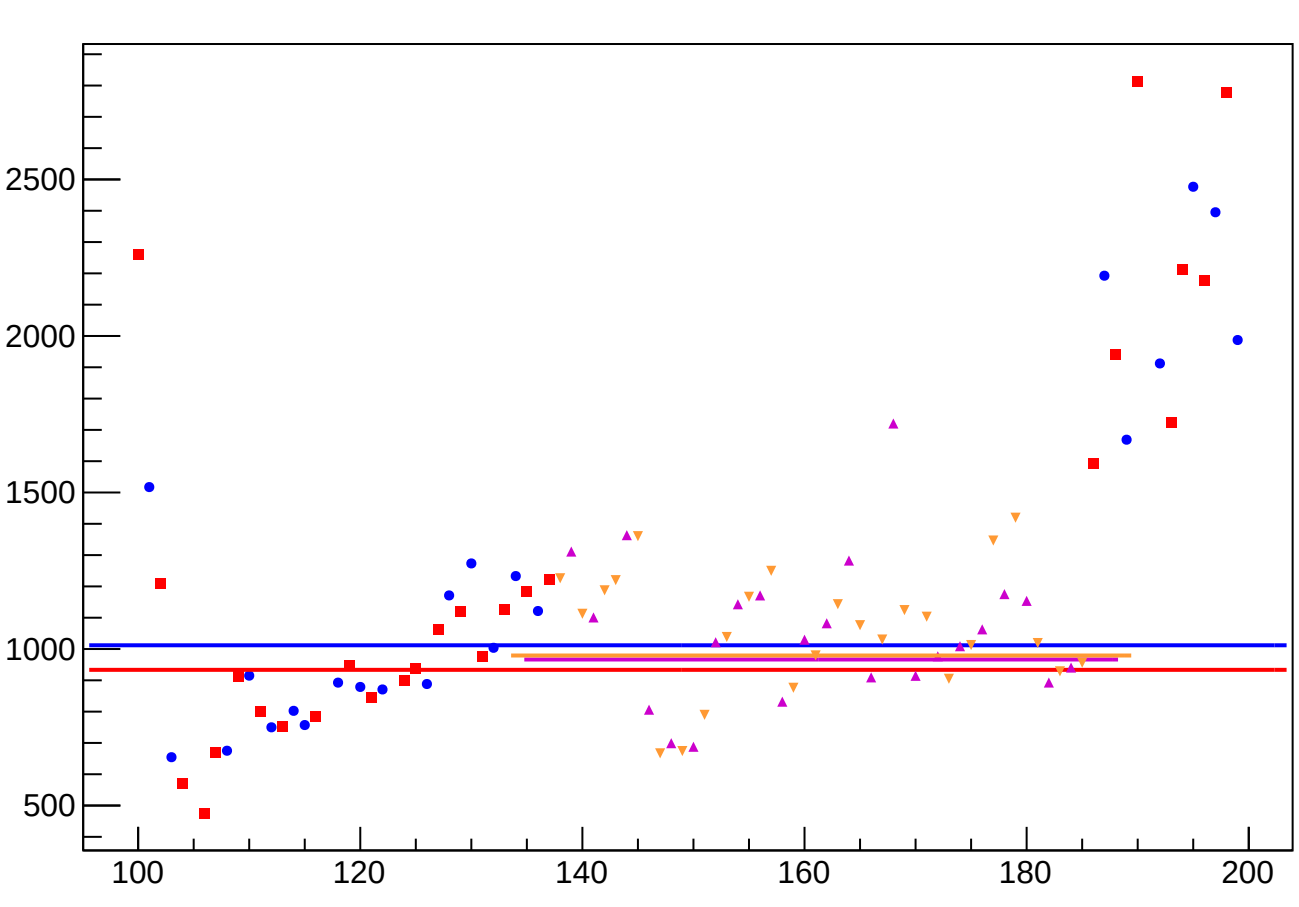
Right: 1646.345+/-0.240 χ^2/NDF: 814338.4/47

In: 1625.522+/-0.211 χ^2/NDF:676078.7/44

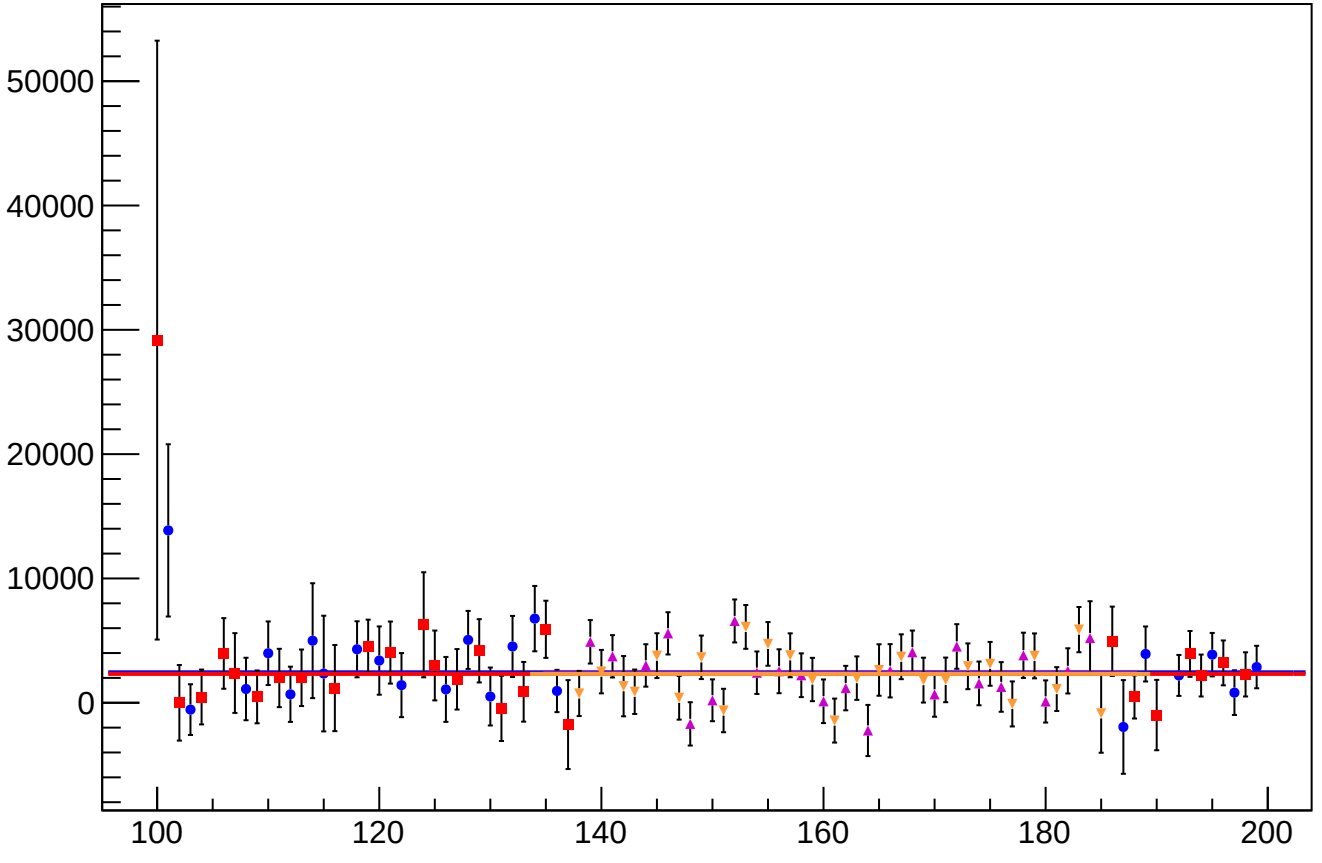
Out: 1625.698+/-0.204 χ^2/NDF:153746.7/50

All: 1625.613+/-0.147 χ^2/NDF: 829825.7/95


asym_usr_atr1_avg_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: -148.345+/-324.976 χ²/NDF: 24.5/21
Left Out: -139.022+/-229.126 χ²/NDF:30.2/24
Right Out: -522.450+/-296.524 χ²/NDF: 27.7/25
Left In: -0.092+/-231.903 χ²/NDF:12.9/22
Left: -70.394+/-162.990 χ²/NDF: 43.2/47
Right: -352.488+/-219.043 χ²/NDF: 52.9/47
In: -50.114+/-188.768 χ²/NDF:37.5/44
Out: -282.369+/-181.306 χ²/NDF:58.9/50
All: -170.923+/-130.761 χ²/NDF: 97.2/95


asym_usr_atr1_avg_reg_correction_rms vs Slug, Sign Corrected
2500
2000
1500
1000
500
100
120
140
160
180
200
Right In: 1011.942+/-0.230 χ²/NDF: 3290787.6/21
Left Out: 979.294+/-0.162 χ²/NDF:1630623.2/24
Right Out: 933.479+/-0.210 χ²/NDF: 4483675.6/25
Left In: 966.526+/-0.164 χ²/NDF:1602596.2/22
Left: 972.987+/-0.115 χ²/NDF: 3236287.4/47
Right: 969.126+/-0.155 χ²/NDF: 7838083.2/47
In: 981.850+/-0.133 χ²/NDF:4919265.4/44
Out: 962.166+/-0.128 χ²/NDF:6144193.9/50
All: 971.611+/-0.092 χ²/NDF: 11074770.5/95

cor_asym_usr_atr1_avg_mean vs Slug, Sign Corrected



Right In: 2450.433+/-491.413 χ^2/NDF: 17.2/21

Left Out: 2321.025+/-366.301 χ^2/NDF:27.5/24

Right Out: 2320.100+/-469.032 χ^2/NDF: 16.5/25

Left In: 2370.700+/-376.798 χ^2/NDF:33.7/22

Left: 2345.161+/-262.646 χ^2/NDF: 61.2/47

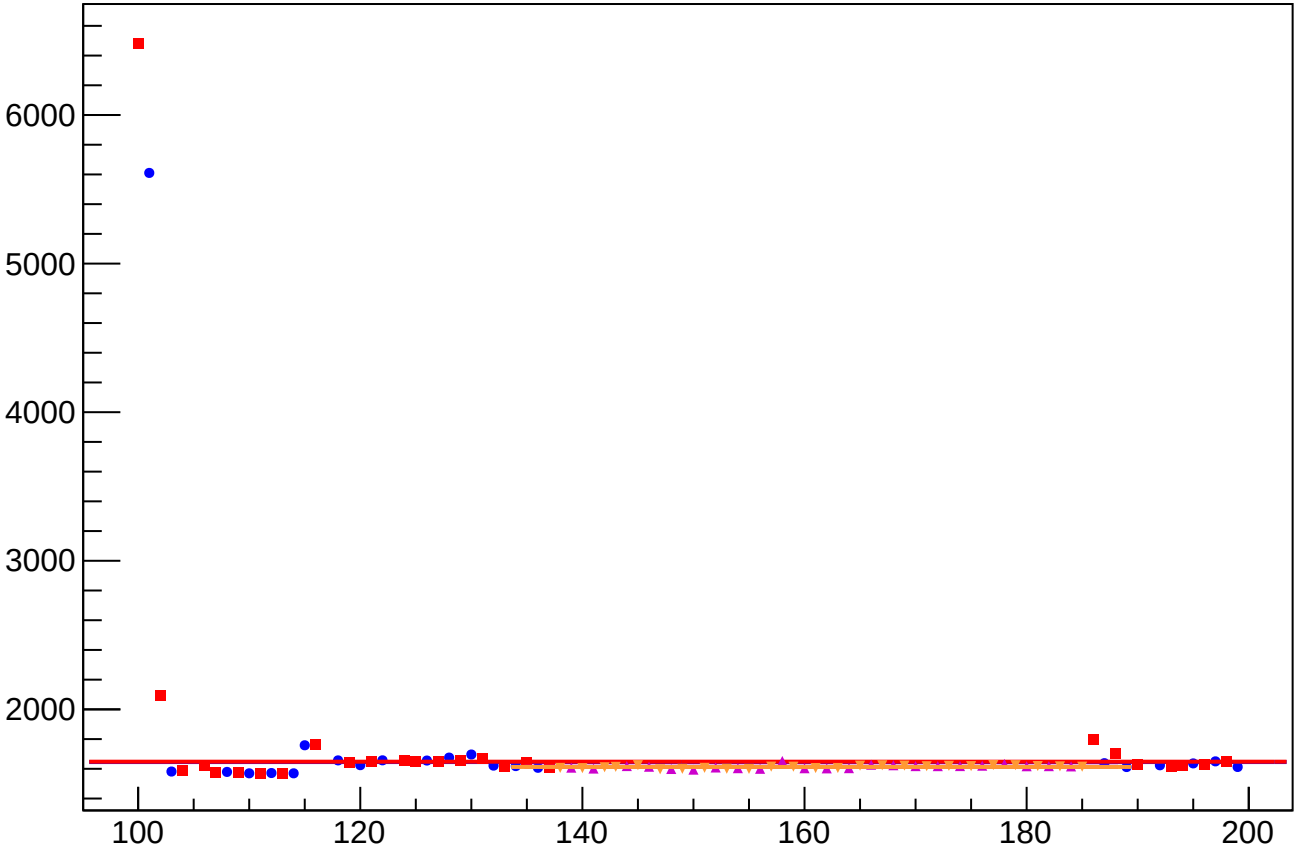
Right: 2382.231+/-339.292 χ^2/NDF: 33.7/47

In: 2400.221+/-299.015 χ^2/NDF:51.0/44

Out: 2320.674+/-288.693 χ^2/NDF:44.0/50

All: 2359.051+/-207.690 χ^2/NDF: 95.0/95

cor_asym_usr_atr1_avg_rms vs Slug, Sign Corrected



Right In: 1645.472+/-0.347 χ^2/NDF: 668489.5/21

Left Out: 1612.607+/-0.259 χ^2/NDF:1172.5/24

Right Out: 1647.914+/-0.332 χ^2/NDF: 145273.1/25

Left In: 1613.793+/-0.266 χ^2/NDF:2354.6/22

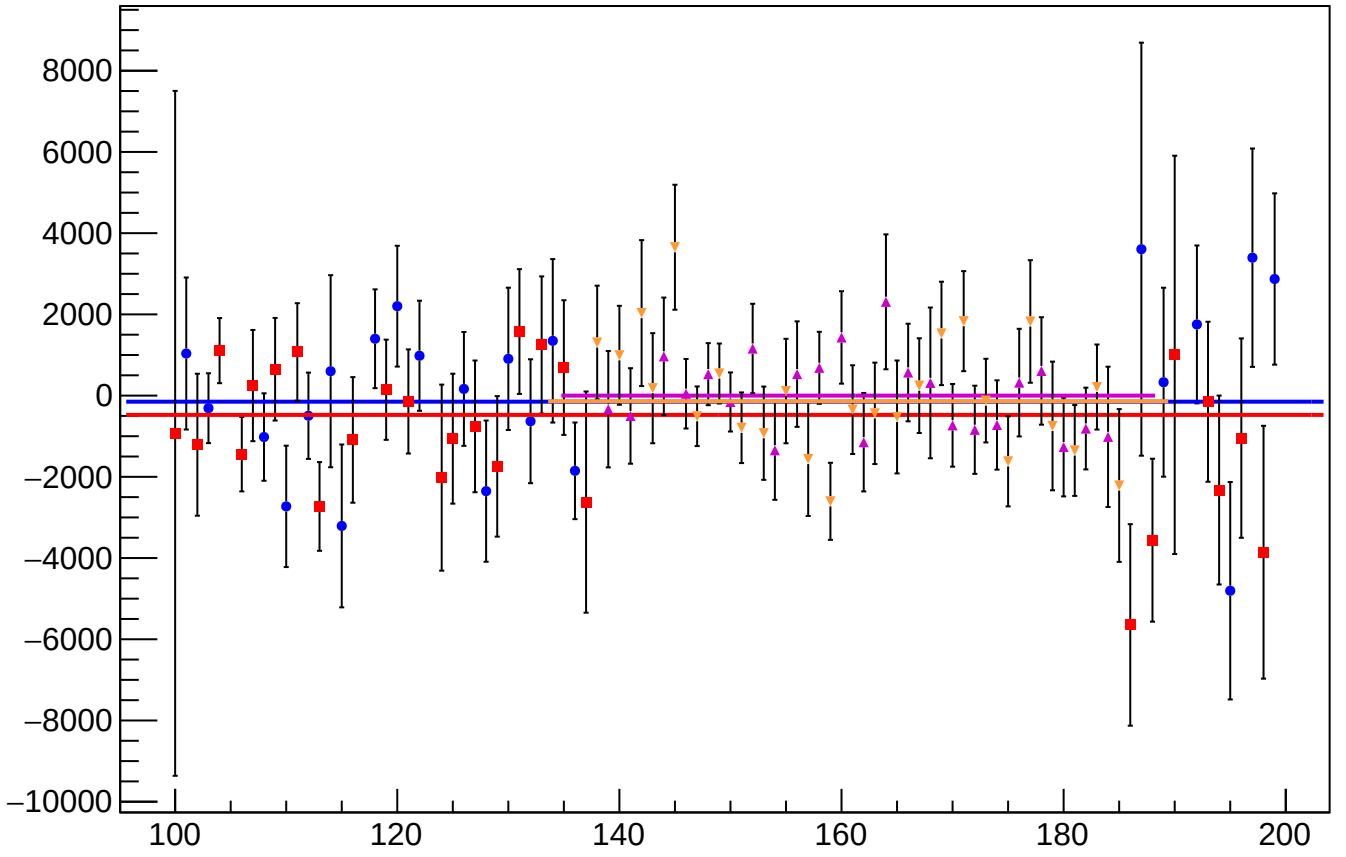
Left: 1613.184+/-0.186 χ^2/NDF: 3537.3/47

Right: 1646.749+/-0.240 χ^2/NDF: 813788.5/47

In: 1625.522+/-0.211 χ^2/NDF:676078.2/44

Out: 1625.983+/-0.204 χ^2/NDF:153484.9/50

All: 1625.761+/-0.147 χ^2/NDF: 829565.5/95



Right In: -149.575+/-324.938 χ^2/NDF: 24.5/21

Left Out: -139.074+/-229.125 χ^2/NDF:30.2/24

Right Out: -475.319+/-298.878 χ^2/NDF: 26.5/25

Left In: -0.068+/-231.904 χ^2/NDF:12.9/22

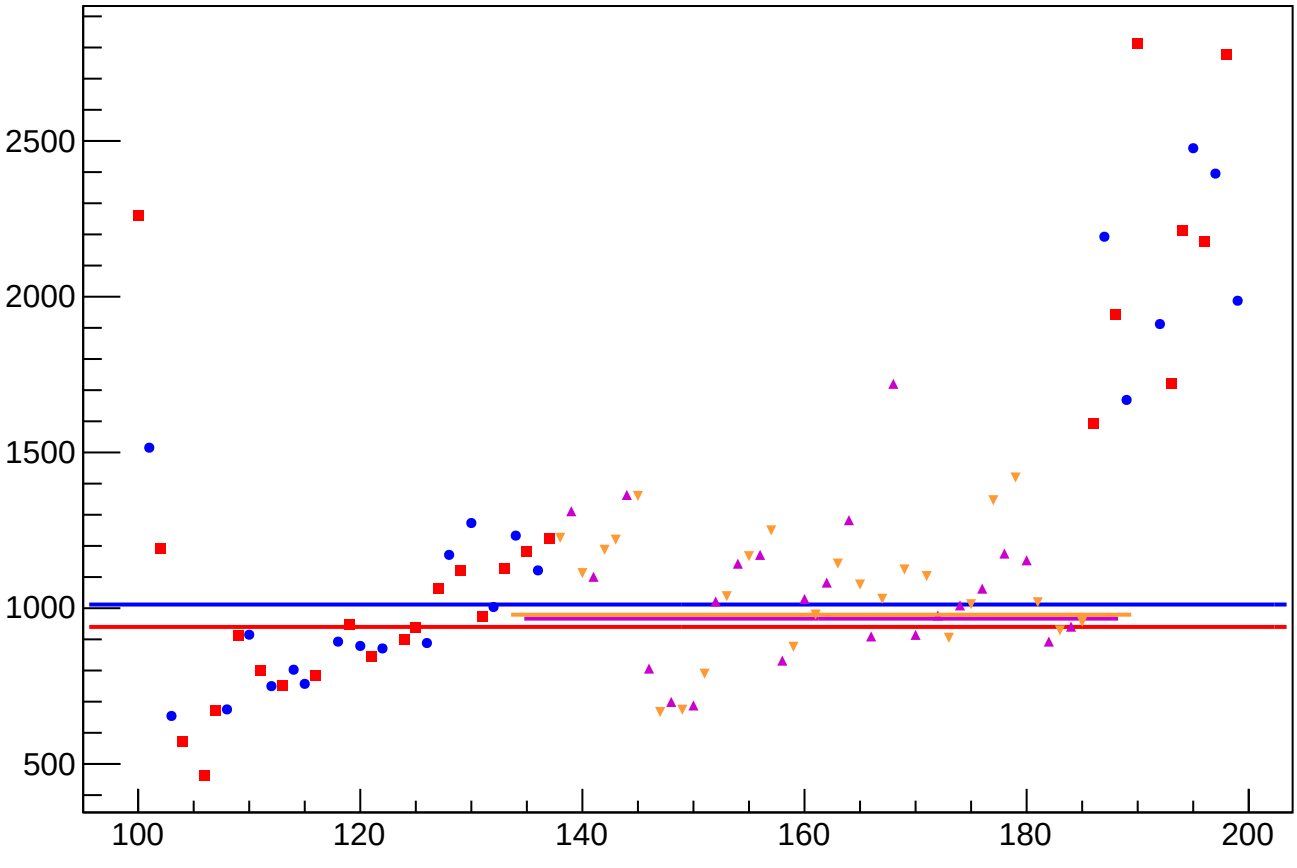
Left: -70.408+/-162.990 χ^2/NDF: 43.2/47

Right: -326.031+/-219.976 χ^2/NDF: 51.5/47

In: -50.521+/-188.762 χ^2/NDF:37.5/44

Out: -263.538+/-181.840 χ^2/NDF:57.4/50

All: -161.007+/-130.959 χ^2/NDF: 95.6/95



Right In: 1011.824+/-0.230 χ^2/NDF: 3291041.6/21

Left Out: 979.288+/-0.162 χ^2/NDF:1630731.2/24

Right Out: 939.945+/-0.211 χ^2/NDF: 4421838.8/25

Left In: 966.531+/-0.164 χ^2/NDF:1602562.1/22

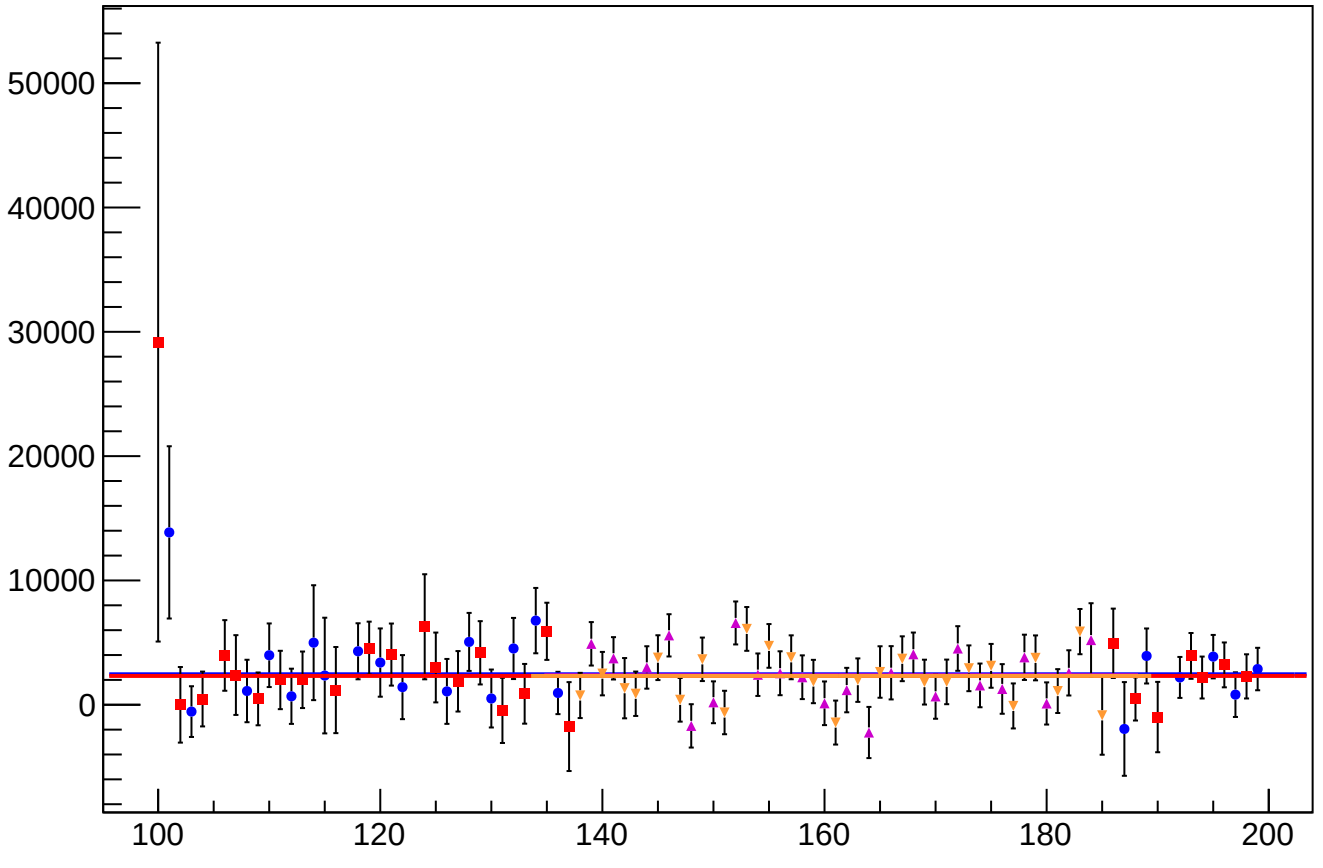
Left: 972.987+/-0.115 χ^2/NDF: 3236355.9/47

Right: 972.887+/-0.156 χ^2/NDF: 7765894.2/47

In: 981.816+/-0.133 χ^2/NDF:4919348.6/44

Out: 964.725+/-0.129 χ^2/NDF:6074397.8/50

All: 972.951+/-0.093 χ^2/NDF: 11002250.3/95



Right In: 2450.433+/-491.413 χ^2/NDF: 17.2/21

Left Out: 2321.025+/-366.301 χ^2/NDF:27.5/24

Right Out: 2320.100+/-469.032 χ^2/NDF: 16.5/25

Left In: 2370.700+/-376.798 χ^2/NDF:33.7/22

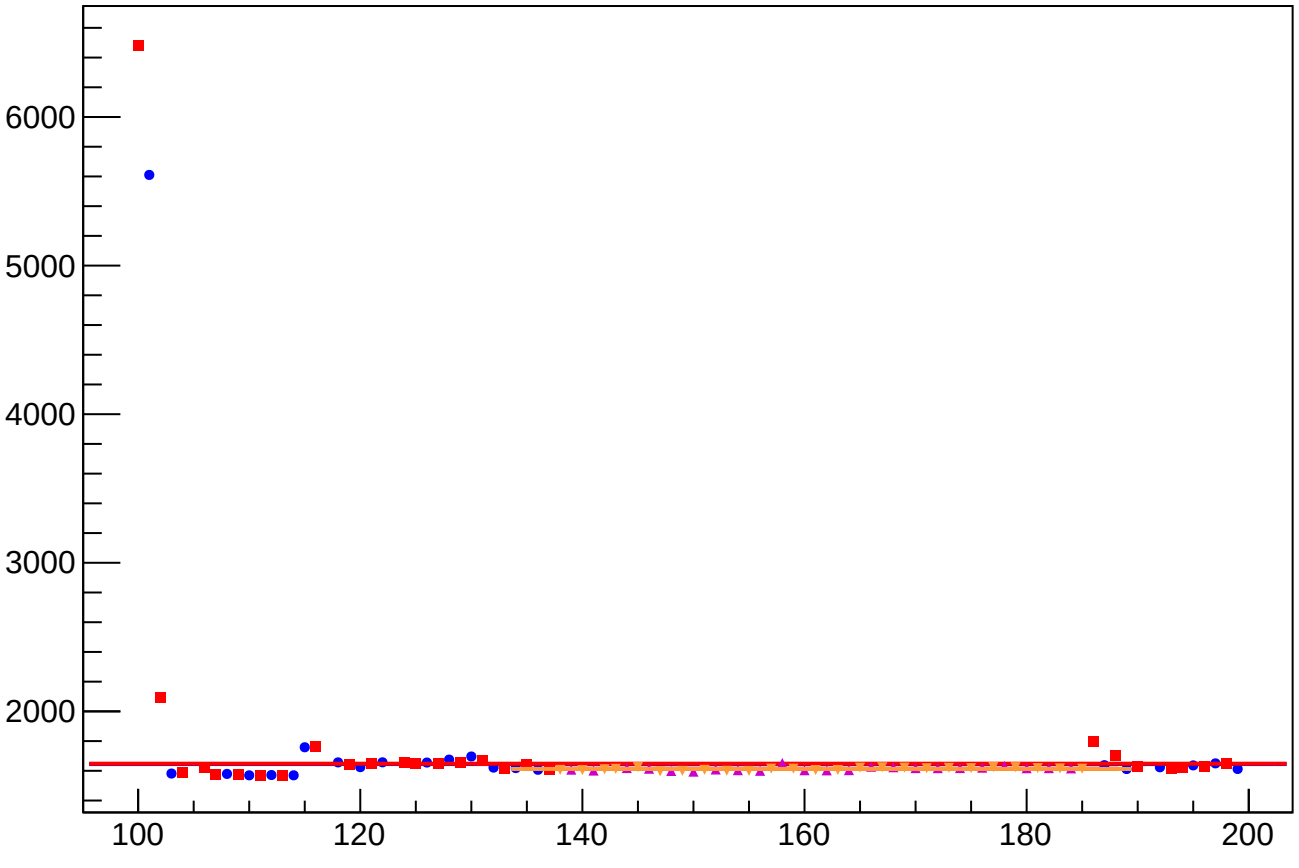
Left: 2345.161+/-262.646 χ^2/NDF: 61.2/47

Right: 2382.231+/-339.292 χ^2/NDF: 33.7/47

In: 2400.221+/-299.015 χ^2/NDF:51.0/44

Out: 2320.674+/-288.693 χ^2/NDF:44.0/50

All: 2359.051+/-207.690 χ^2/NDF: 95.0/95



Right In: 1645.472+/-0.347 χ^2/NDF: 668489.5/21

Left Out: 1612.607+/-0.259 χ^2/NDF:1172.5/24

Right Out: 1647.914+/-0.332 χ^2/NDF: 145273.1/25

Left In: 1613.793+/-0.266 χ^2/NDF:2354.6/22

Left: 1613.184+/-0.186 χ^2/NDF: 3537.3/47

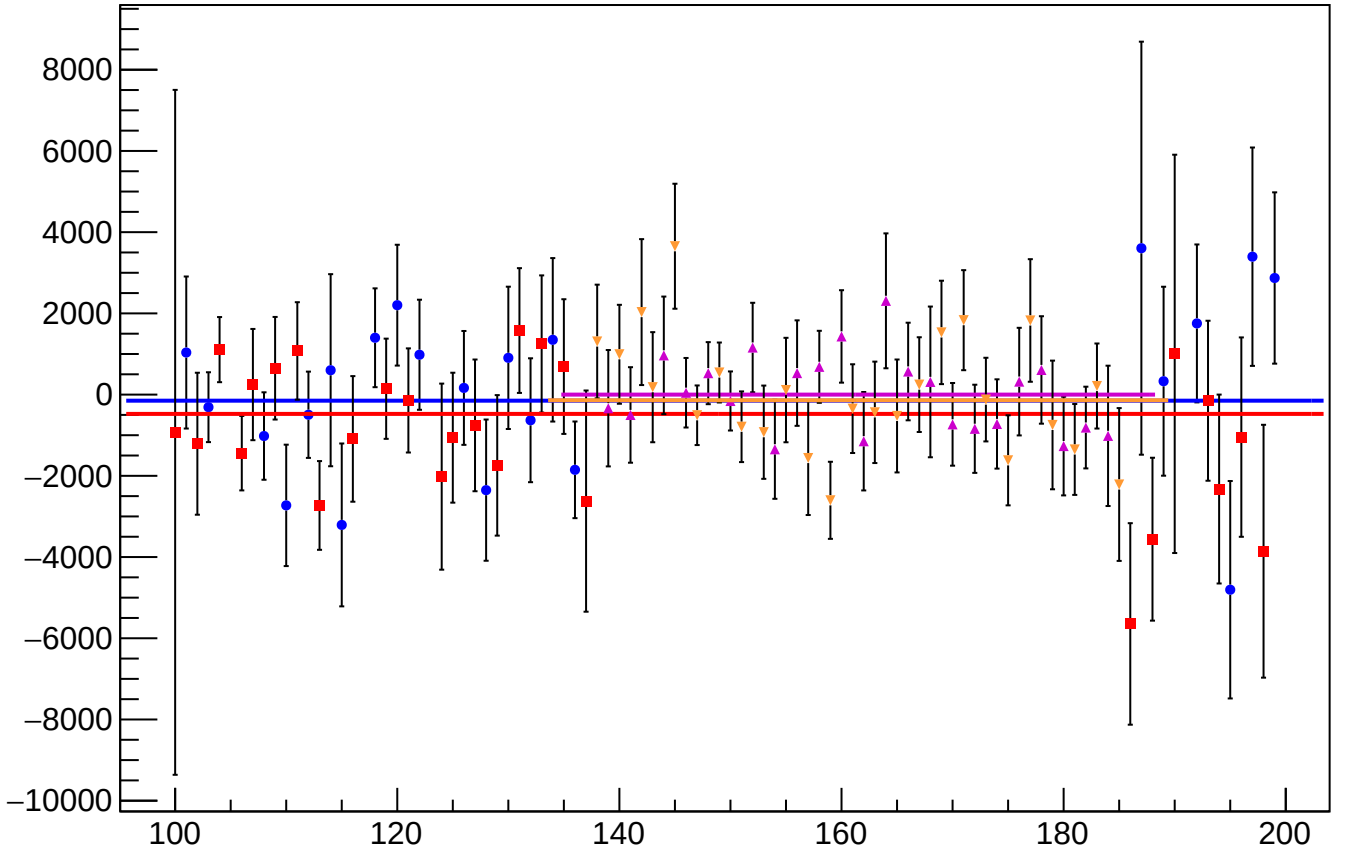
Right: 1646.749+/-0.240 χ^2/NDF: 813788.5/47

In: 1625.522+/-0.211 χ^2/NDF:676078.2/44

Out: 1625.983+/-0.204 χ^2/NDF:153484.9/50

All: 1625.761+/-0.147 χ^2/NDF: 829565.5/95

asym_usr_atr1_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -149.575+/-324.938 χ^2/NDF: 24.5/21

Left Out: -139.074+/-229.125 χ^2/NDF:30.2/24

Right Out: -475.319+/-298.878 χ^2/NDF: 26.5/25

Left In: -0.068+/-231.904 χ^2/NDF:12.9/22

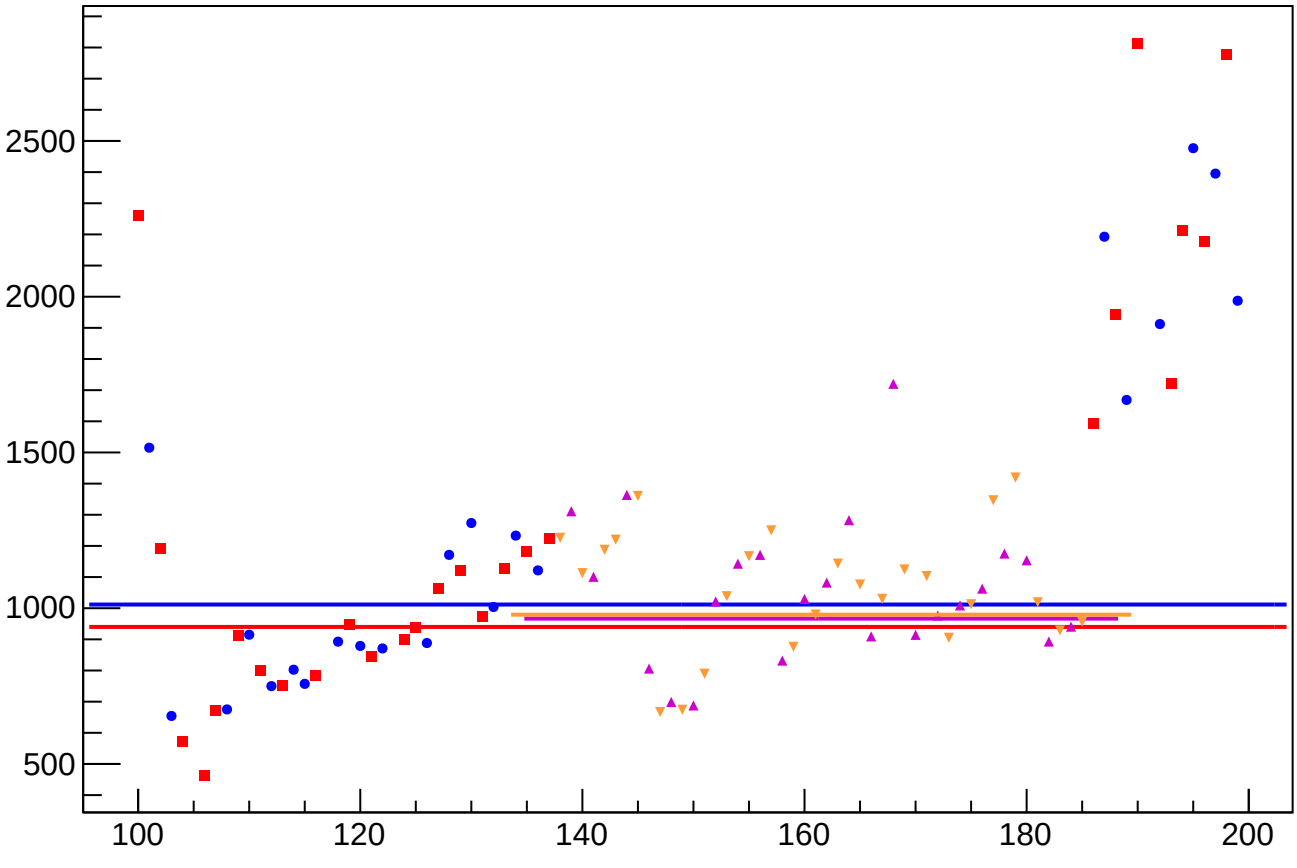
Left: -70.408+/-162.990 χ^2/NDF: 43.2/47

Right: -326.031+/-219.976 χ^2/NDF: 51.5/47

In: -50.521+/-188.762 χ^2/NDF:37.5/44

Out: -263.538+/-181.840 χ^2/NDF:57.4/50

All: -161.007+/-130.959 χ^2/NDF: 95.6/95



Right In: 1011.824+/-0.230 χ^2/NDF: 3291041.6/21

Left Out: 979.288+/-0.162 χ^2/NDF:1630731.2/24

Right Out: 939.945+/-0.211 χ^2/NDF: 4421838.8/25

Left In: 966.531+/-0.164 χ^2/NDF:1602562.1/22

Left: 972.987+/-0.115 χ^2/NDF: 3236355.9/47

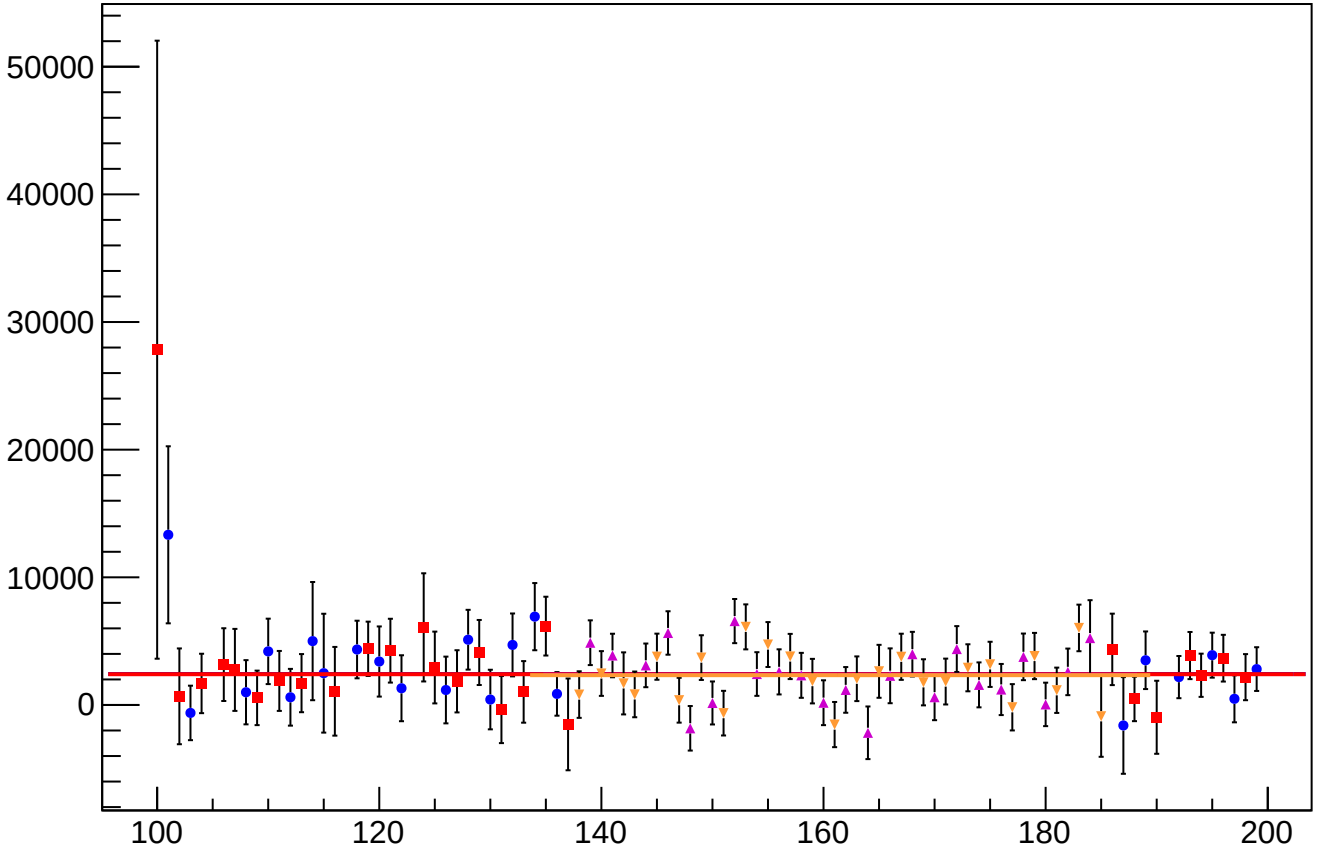
Right: 972.887+/-0.156 χ^2/NDF: 7765894.2/47

In: 981.816+/-0.133 χ^2/NDF:4919348.6/44

Out: 964.725+/-0.129 χ^2/NDF:6074397.8/50

All: 972.951+/-0.093 χ^2/NDF: 11002250.3/95

dit_asym_usr_atr1_avg_mean vs Slug, Sign Corrected



Right In: 2425.419+/-495.145 χ^2/NDF: 17.5/21

Left Out: 2334.840+/-366.991 χ^2/NDF:28.3/24

Right Out: 2410.596+/-474.075 χ^2/NDF: 14.8/25

Left In: 2360.289+/-377.400 χ^2/NDF:34.0/22

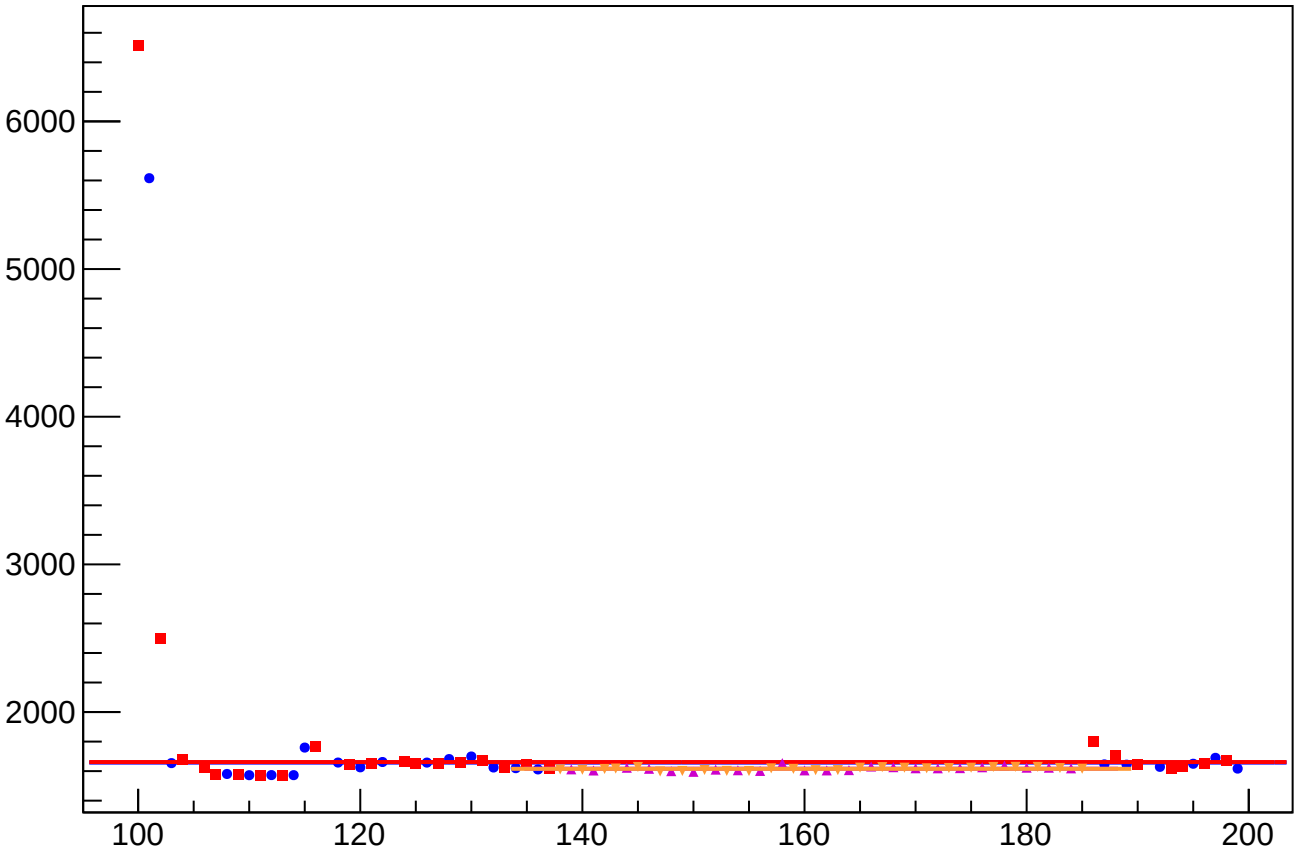
Left: 2347.209+/-263.105 χ^2/NDF: 62.3/47

Right: 2417.685+/-342.428 χ^2/NDF: 32.2/47

In: 2384.222+/-300.153 χ^2/NDF:51.5/44

Out: 2363.227+/-290.199 χ^2/NDF:43.1/50

All: 2373.370+/-208.632 χ^2/NDF: 94.5/95



Right In: 1657.876+/-0.350 χ^2/NDF: 665765.9/21

Left Out: 1615.633+/-0.260 χ^2/NDF:1447.2/24

Right Out: 1661.466+/-0.335 χ^2/NDF: 201550.7/25

Left In: 1616.361+/-0.267 χ^2/NDF:2557.7/22

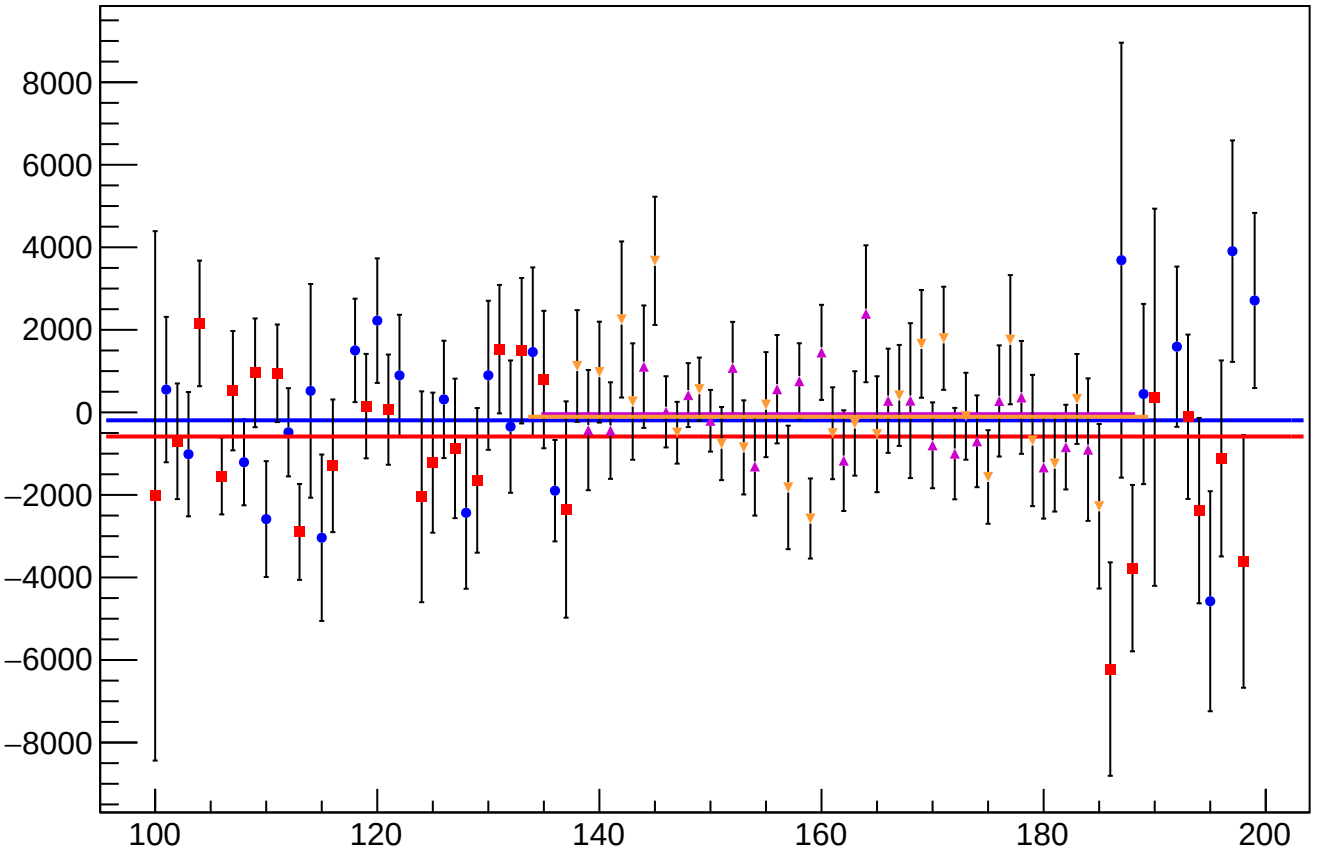
Left: 1615.987+/-0.186 χ^2/NDF: 4008.7/47

Right: 1659.749+/-0.242 χ^2/NDF: 867371.4/47

In: 1631.616+/-0.212 χ^2/NDF:677216.8/44

Out: 1632.807+/-0.205 χ^2/NDF:214686.7/50

All: 1632.232+/-0.148 χ^2/NDF: 891919.8/95



Right In: -192.660+/-345.055 χ^2/NDF: 24.4/21

Left Out: -106.338+/-234.306 χ^2/NDF:29.0/24

Right Out: -584.851+/-319.489 χ^2/NDF: 27.0/25

Left In: -44.469+/-235.733 χ^2/NDF:12.8/22

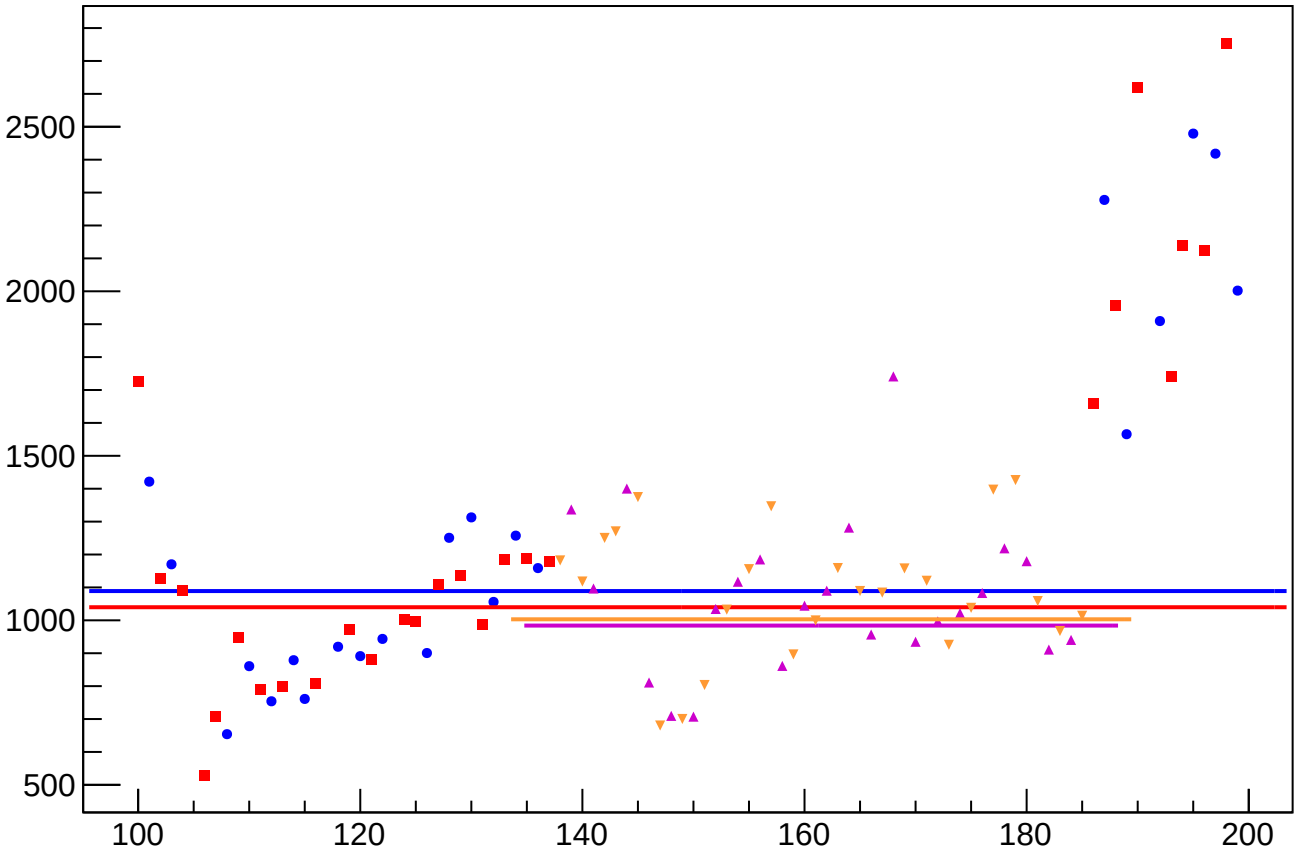
Left: -75.591+/-166.182 χ^2/NDF: 41.8/47

Right: -403.821+/-234.431 χ^2/NDF: 52.0/47

In: -91.625+/-194.646 χ^2/NDF:37.3/44

Out: -273.692+/-188.942 χ^2/NDF:57.5/50

All: -185.365+/-135.574 χ^2/NDF: 95.2/95



Right In: 1088.947+/-0.244 χ^2/NDF: 2891759.9/21

Left Out: 1003.101+/-0.166 χ^2/NDF:1598415.6/24

Right Out: 1039.800+/-0.226 χ^2/NDF: 3590135.9/25

Left In: 984.053+/-0.167 χ^2/NDF:1559561.5/22

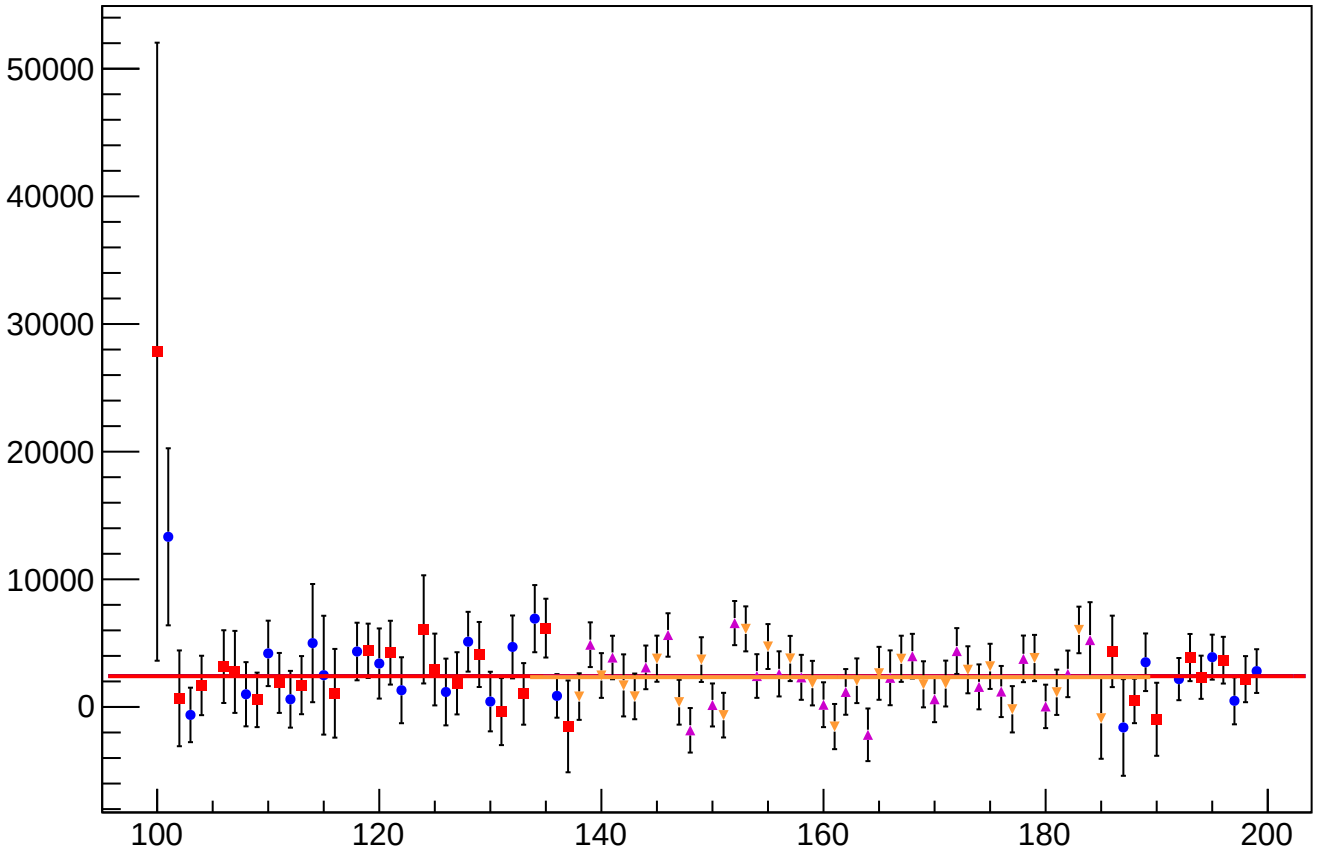
Left: 993.635+/-0.118 χ^2/NDF: 3164545.6/47

Right: 1062.485+/-0.166 χ^2/NDF: 6503741.5/47

In: 1017.432+/-0.138 χ^2/NDF:4577330.0/44

Out: 1015.936+/-0.134 χ^2/NDF:5205711.0/50

All: 1016.661+/-0.096 χ^2/NDF: 9783101.8/95



Right In: 2425.418+/-495.145 χ^2/NDF: 17.5/21

Left Out: 2334.839+/-366.991 χ^2/NDF:28.3/24

Right Out: 2410.594+/-474.075 χ^2/NDF: 14.8/25

Left In: 2360.289+/-377.400 χ^2/NDF:34.0/22

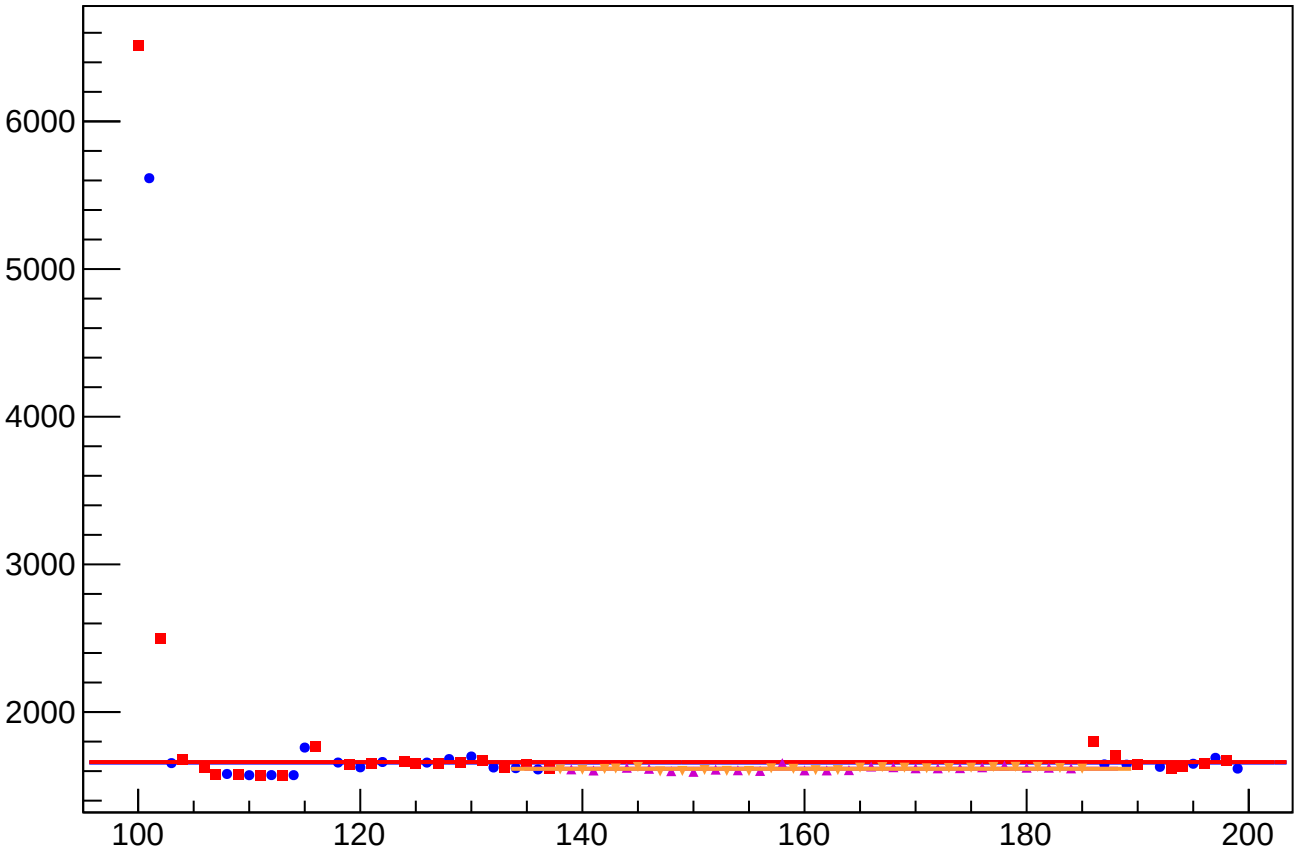
Left: 2347.208+/-263.105 χ^2/NDF: 62.3/47

Right: 2417.684+/-342.428 χ^2/NDF: 32.2/47

In: 2384.222+/-300.153 χ^2/NDF:51.5/44

Out: 2363.226+/-290.199 χ^2/NDF:43.1/50

All: 2373.370+/-208.632 χ^2/NDF: 94.5/95



Right In: 1657.876+/-0.350 χ^2/NDF: 665765.9/21

Left Out: 1615.633+/-0.260 χ^2/NDF:1447.2/24

Right Out: 1661.466+/-0.335 χ^2/NDF: 201550.5/25

Left In: 1616.361+/-0.267 χ^2/NDF:2557.7/22

Left: 1615.987+/-0.186 χ^2/NDF: 4008.7/47

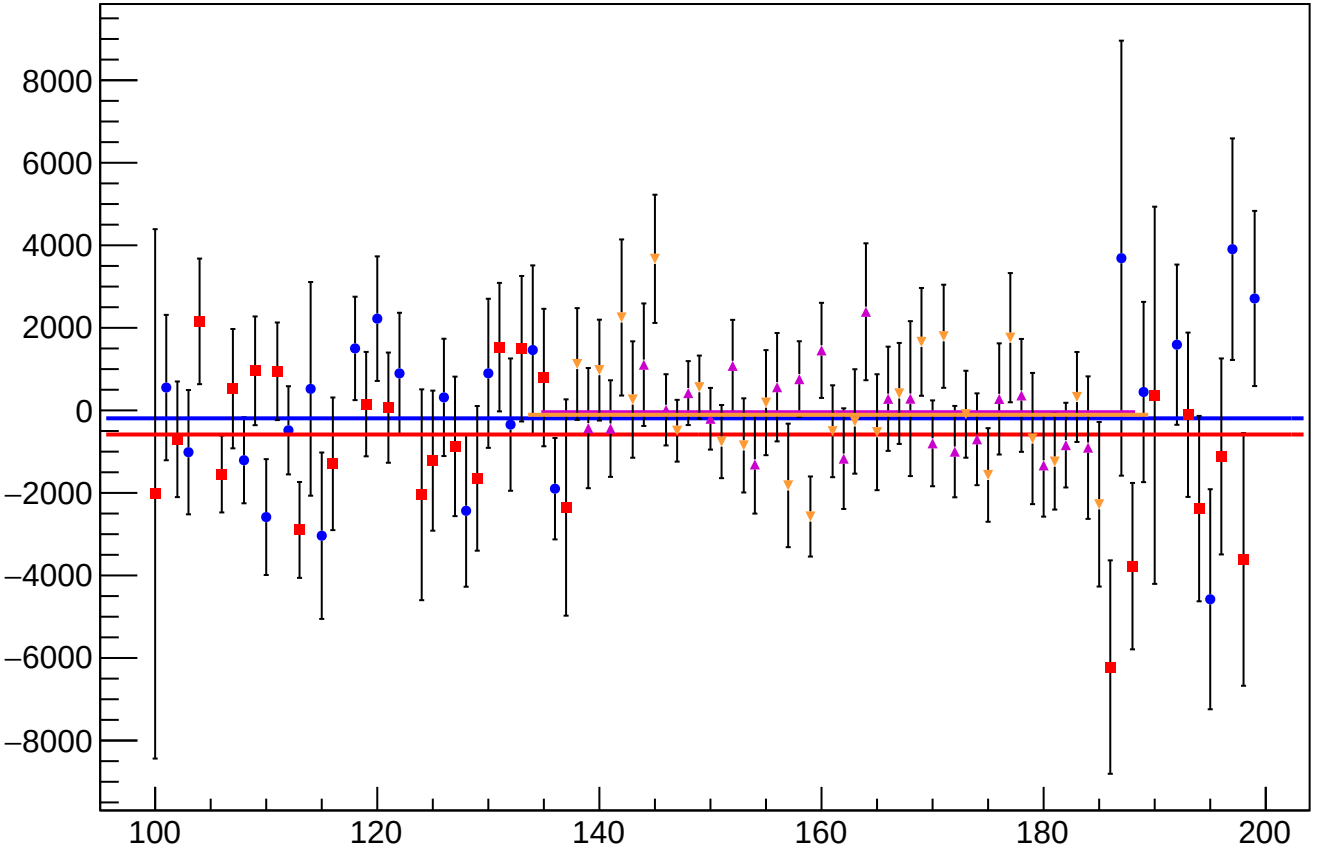
Right: 1659.749+/-0.242 χ^2/NDF: 867371.3/47

In: 1631.616+/-0.212 χ^2/NDF:677216.8/44

Out: 1632.807+/-0.205 χ^2/NDF:214686.5/50

All: 1632.232+/-0.148 χ^2/NDF: 891919.5/95

asym_usr_atr1_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -192.661+/-345.054 χ^2/NDF: 24.4/21

Left Out: -106.340+/-234.307 χ^2/NDF:29.0/24

Right Out: -584.849+/-319.488 χ^2/NDF: 27.0/25

Left In: -44.468+/-235.733 χ^2/NDF:12.8/22

Left: -75.592+/-166.182 χ^2/NDF: 41.8/47

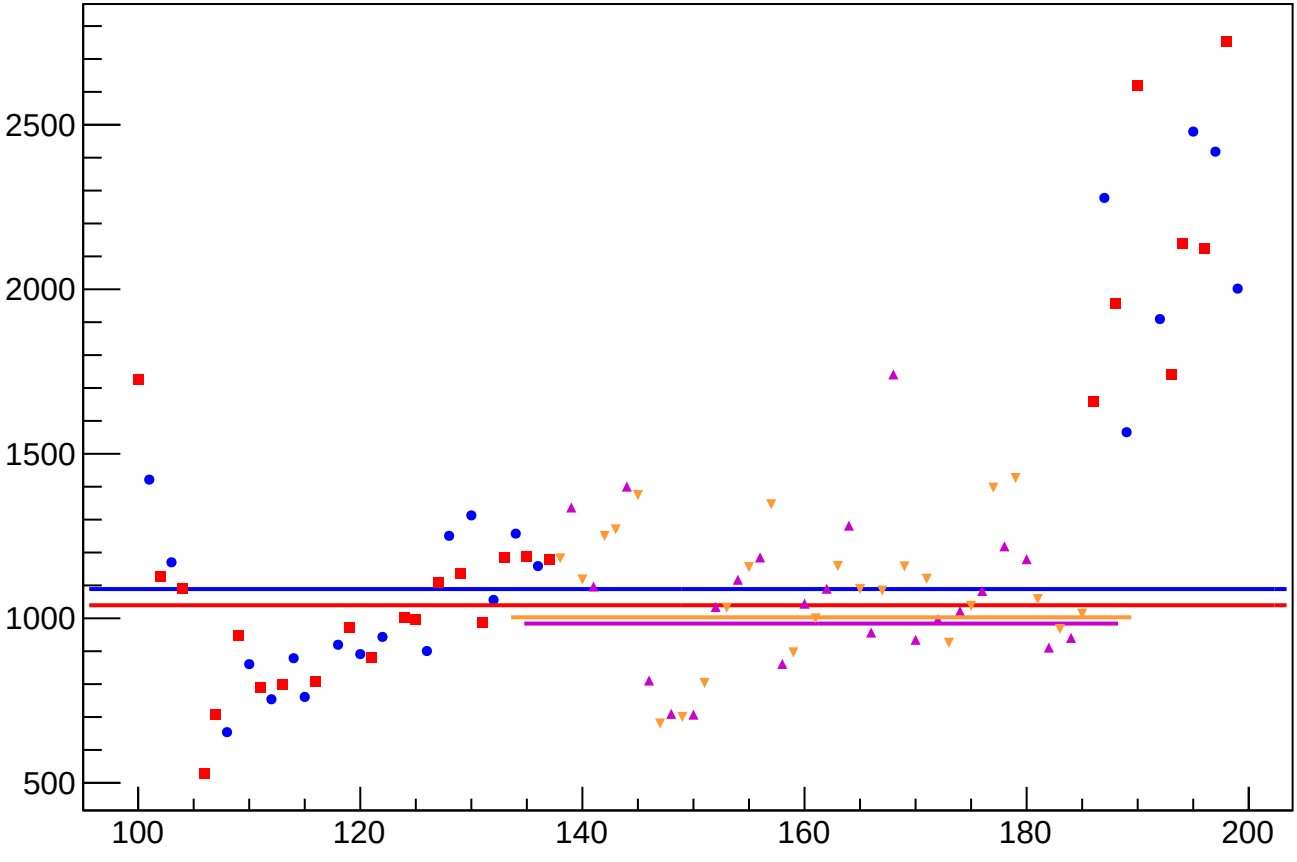
Right: -403.820+/-234.430 χ^2/NDF: 52.0/47

In: -91.625+/-194.646 χ^2/NDF:37.3/44

Out: -273.693+/-188.942 χ^2/NDF:57.5/50

All: -185.366+/-135.574 χ^2/NDF: 95.2/95

asym_usr_atr1_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1088.943+/-0.244 χ^2/NDF: 2891789.9/21

Left Out: 1003.103+/-0.166 χ^2/NDF:1598417.7/24

Right Out: 1039.797+/-0.226 χ^2/NDF: 3590153.2/25

Left In: 984.055+/-0.167 χ^2/NDF:1559563.7/22

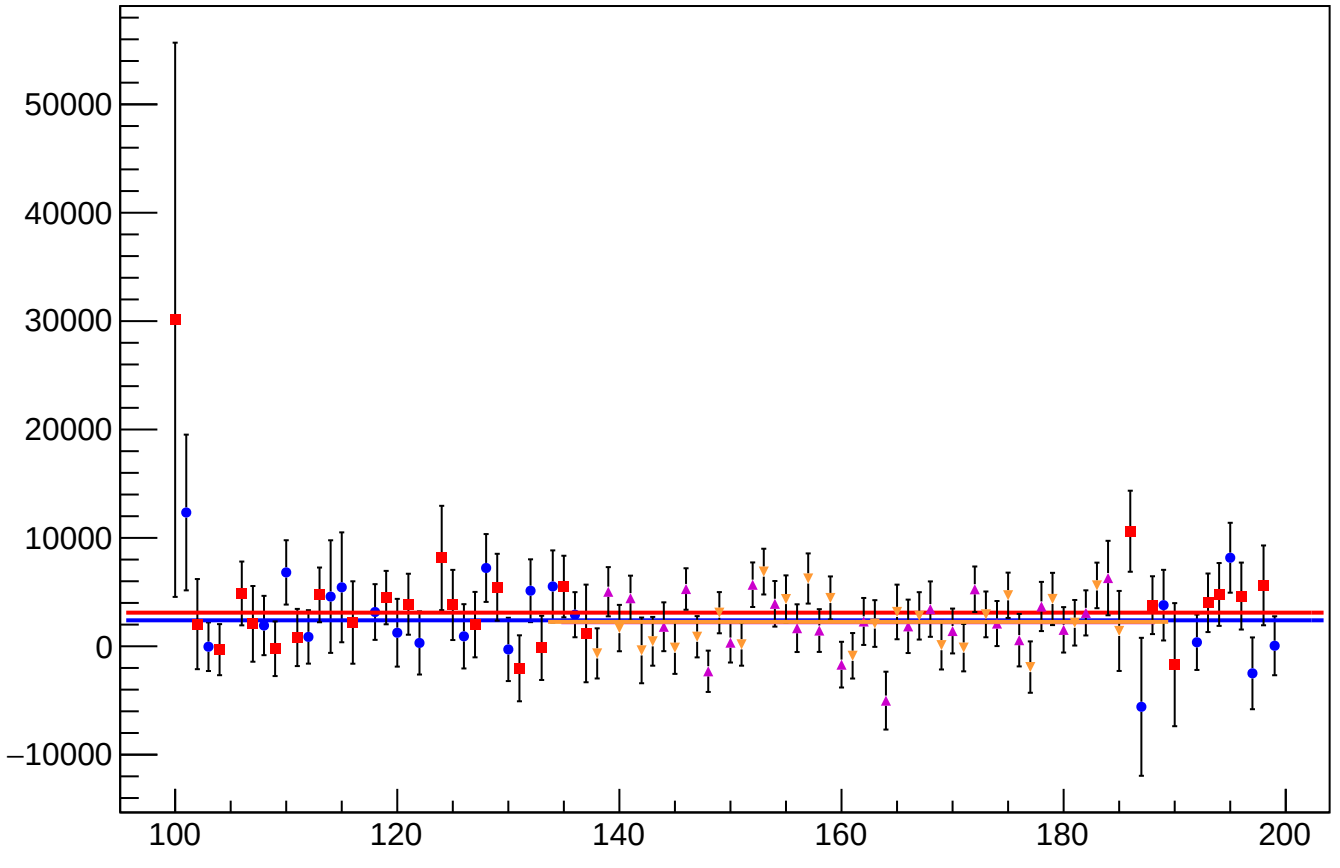
Left: 993.637+/-0.118 χ^2/NDF: 3164549.9/47

Right: 1062.482+/-0.166 χ^2/NDF: 6503787.7/47

In: 1017.432+/-0.138 χ^2/NDF:4577347.4/44

Out: 1015.936+/-0.134 χ^2/NDF:5205725.8/50

All: 1016.662+/-0.096 χ^2/NDF: 9783134.0/95



Right In: 2395.842+/-639.473 χ^2/NDF: 20.8/21

Left Out: 2252.380+/-442.213 χ^2/NDF:28.3/24

Right Out: 3102.580+/-610.689 χ^2/NDF: 19.9/25

Left In: 2219.401+/-452.286 χ^2/NDF:31.5/22

Left: 2236.262+/-316.193 χ^2/NDF: 59.8/47

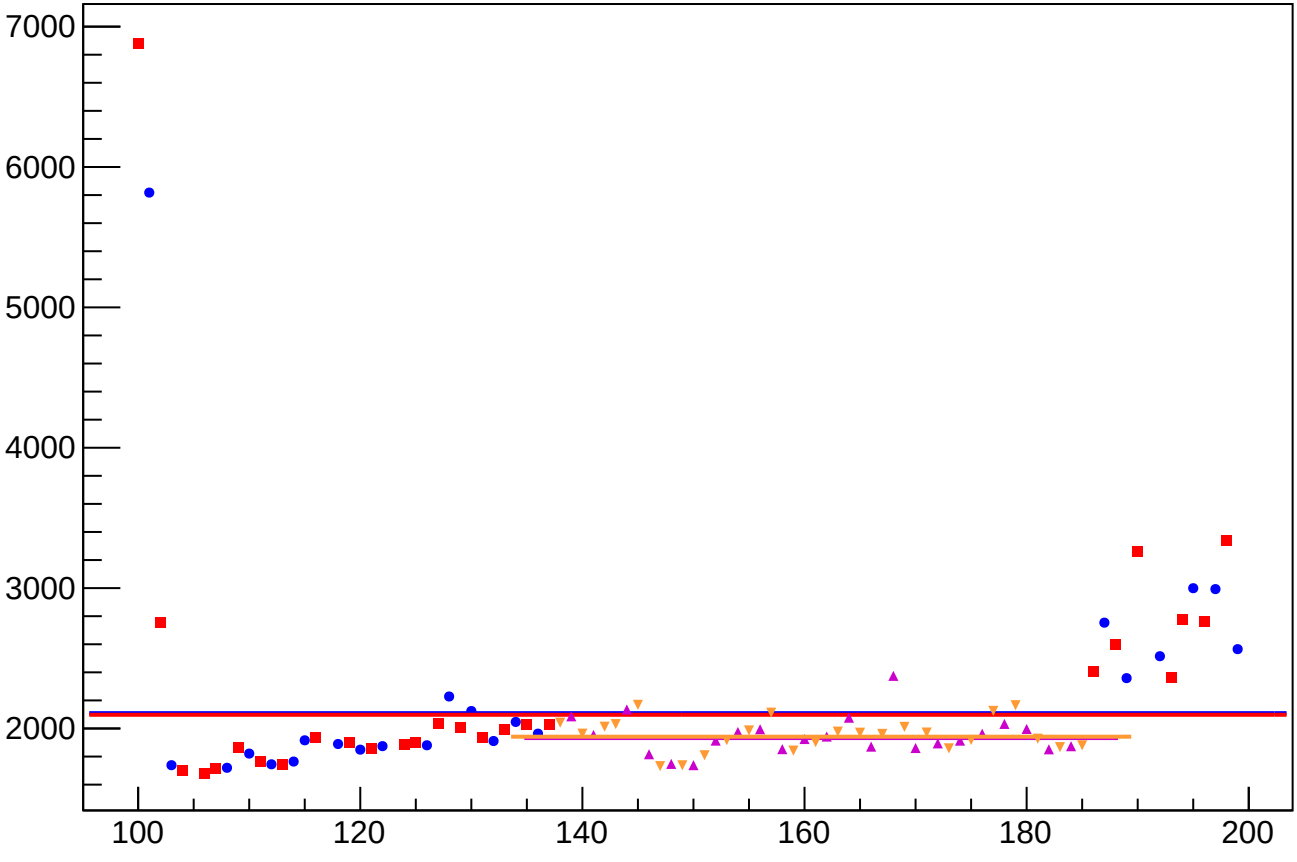
Right: 2765.474+/-441.648 χ^2/NDF: 41.4/47

In: 2278.234+/-369.260 χ^2/NDF:52.4/44

Out: 2544.834+/-358.170 χ^2/NDF:49.5/50

All: 2415.598+/-257.096 χ^2/NDF: 102.1/95

asym_usr_atr1_avg_rms vs Slug, Sign Corrected



Right In: 2109.277+/-0.452 χ^2/NDF: 1212297.3/21

Left Out: 1941.583+/-0.313 χ^2/NDF:139011.4/24

Right Out: 2097.638+/-0.432 χ^2/NDF: 1004582.0/25

Left In: 1931.812+/-0.320 χ^2/NDF:159877.0/22

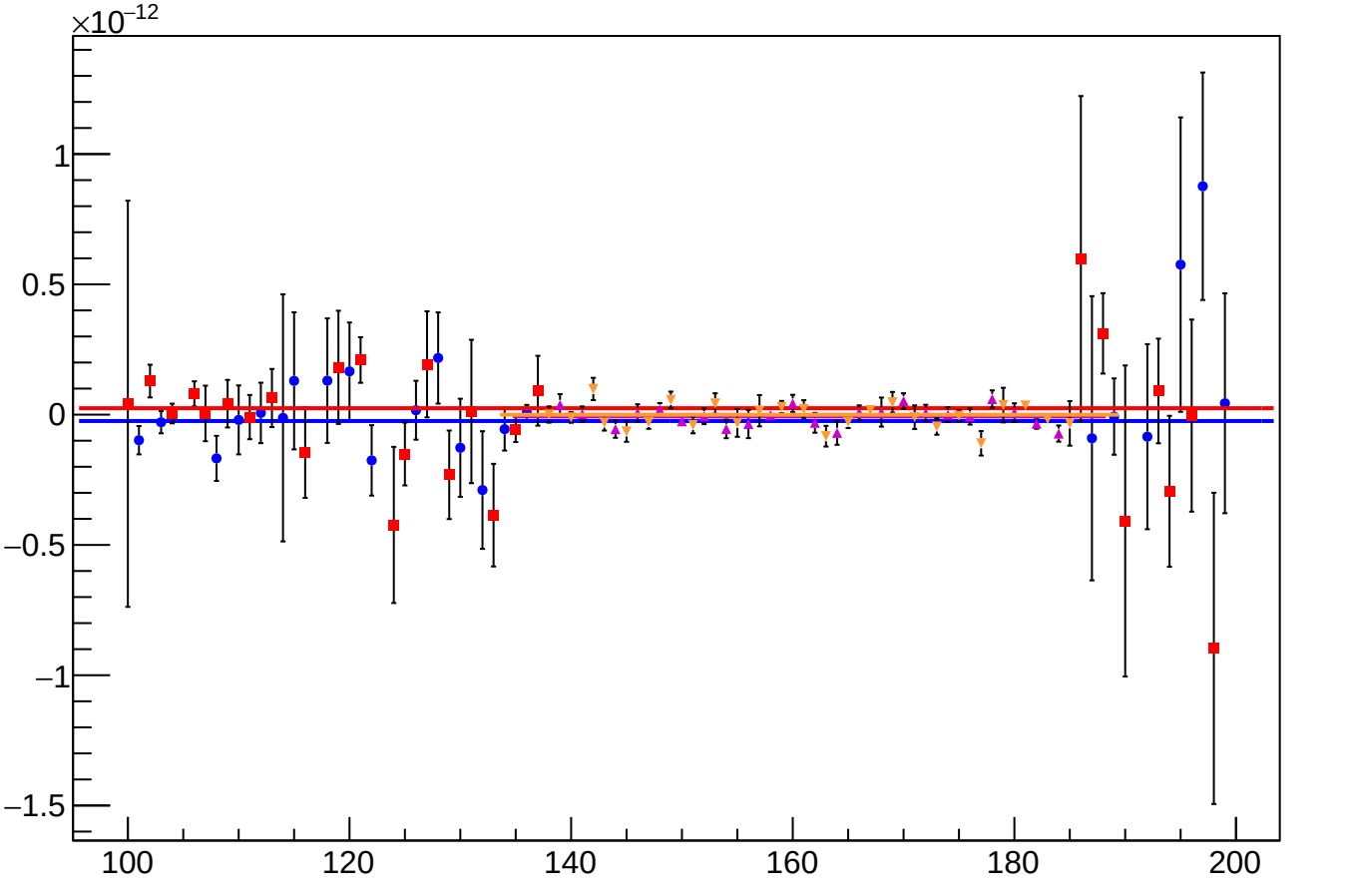
Left: 1936.808+/-0.224 χ^2/NDF: 299365.5/47

Right: 2103.190+/-0.312 χ^2/NDF: 2217225.8/47

In: 1990.986+/-0.261 χ^2/NDF:1474845.4/44

Out: 1995.263+/-0.253 χ^2/NDF:1229269.9/50

All: 1993.190+/-0.182 χ^2/NDF: 2704253.5/95



Right In: -0.000+/-0.000 χ^2/NDF: 18.2/21

Left Out: -0.000+/-0.000 χ^2/NDF:40.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 34.0/25

Left In: -0.000+/-0.000 χ^2/NDF:27.5/22

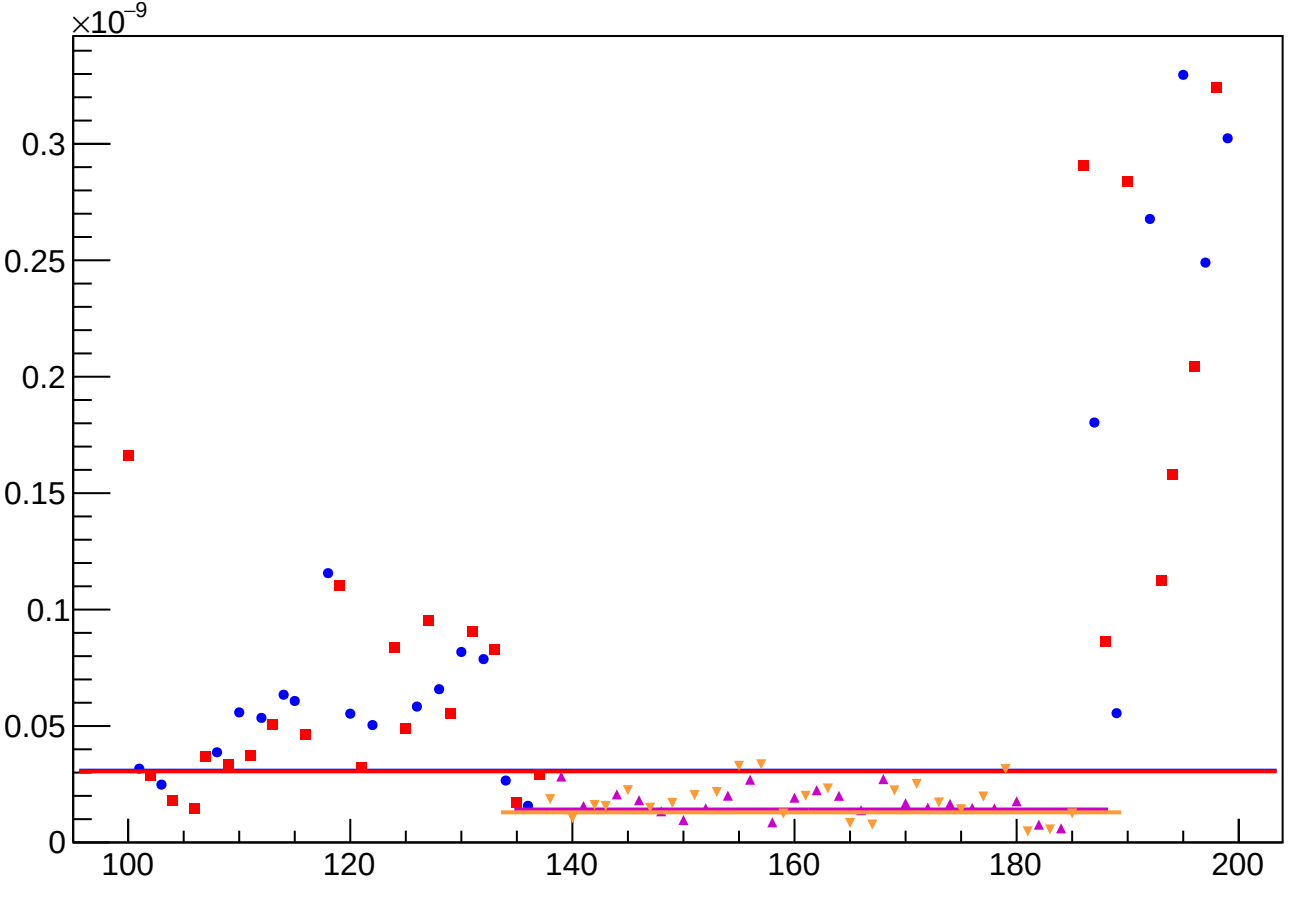
Left: -0.000+/-0.000 χ^2/NDF: 68.4/47

Right: 0.000+/-0.000 χ^2/NDF: 55.6/47

In: -0.000+/-0.000 χ^2/NDF:46.6/44

Out: 0.000+/-0.000 χ^2/NDF:75.9/50

All: -0.000+/-0.000 χ^2/NDF: 124.0/95



Right In: 0.000+/-0.000 χ^2/NDF: 4513087.5/21

Left Out: 0.000+/-0.000 χ^2/NDF:2826186.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4241501.3/25

Left In: 0.000+/-0.000 χ^2/NDF:1522273.8/22

Left: 0.000+/-0.000 χ^2/NDF: 4390810.8/47

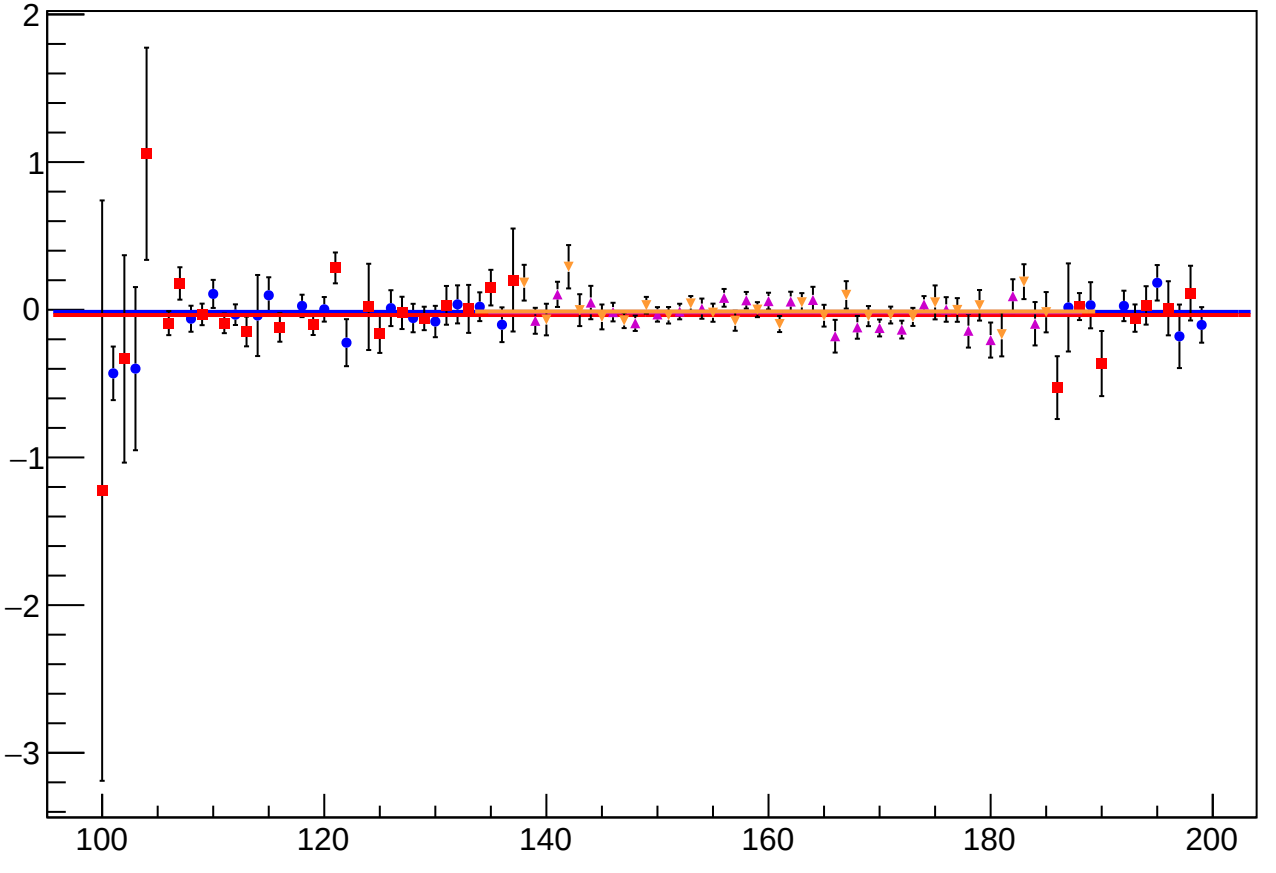
Right: 0.000+/-0.000 χ^2/NDF: 8754821.3/47

In: 0.000+/-0.000 χ^2/NDF:7443762.7/44

Out: 0.000+/-0.000 χ^2/NDF:8638010.0/50

All: 0.000+/-0.000 χ^2/NDF: 16139203.0/95

asym_usr_atr1_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.014+/-0.024 χ^2/NDF: 16.1/21

Left Out: -0.012+/-0.014 χ^2/NDF:21.8/24

Right Out: -0.036+/-0.022 χ^2/NDF: 33.4/25

Left In: -0.017+/-0.014 χ^2/NDF:30.6/22

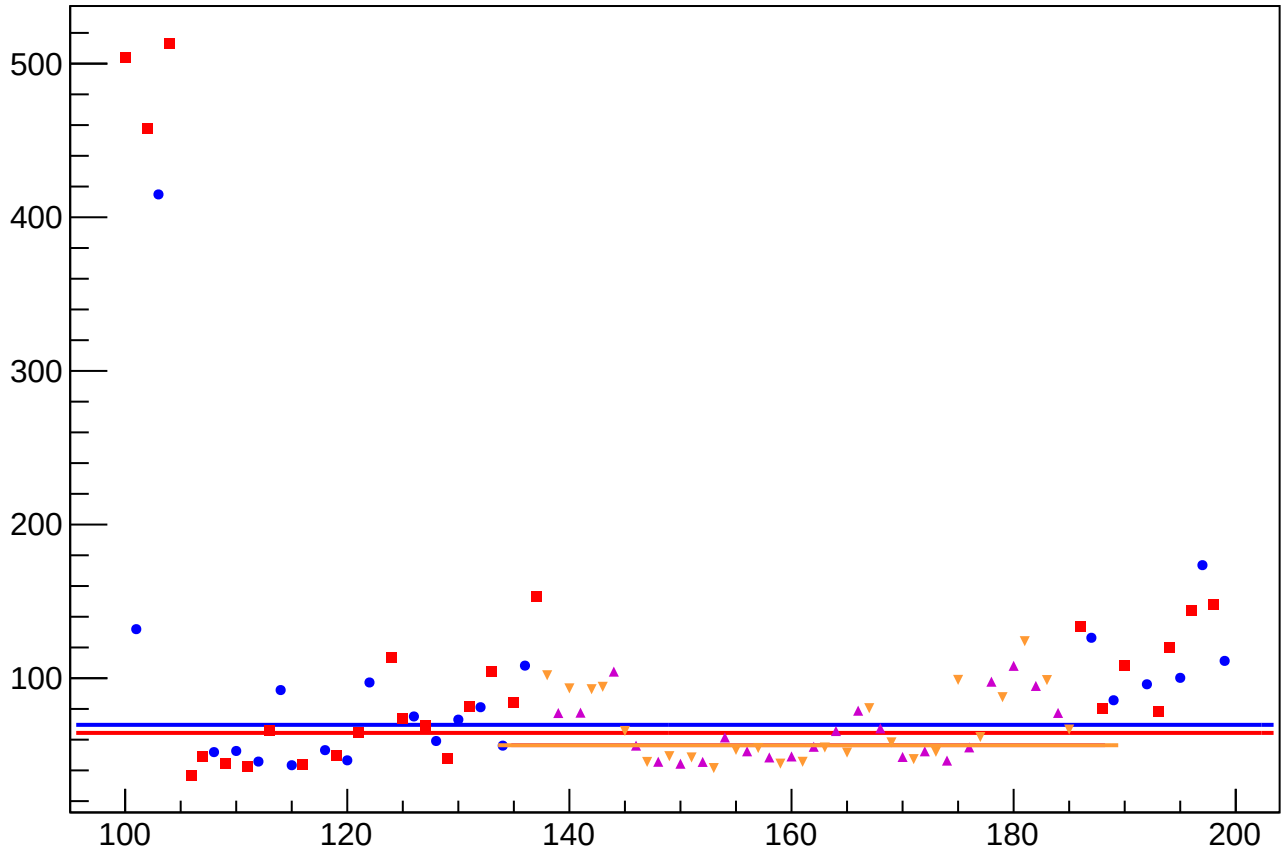
Left: -0.014+/-0.010 χ^2/NDF: 52.5/47

Right: -0.026+/-0.016 χ^2/NDF: 49.9/47

In: -0.016+/-0.012 χ^2/NDF:46.8/44

Out: -0.019+/-0.012 χ^2/NDF:56.0/50

All: -0.018+/-0.009 χ^2/NDF: 102.8/95



Right In: 69.645+/-0.017 χ^2/NDF: 3169396.4/21

Left Out: 56.374+/-0.010 χ^2/NDF:2797305.0/24

Right Out: 64.397+/-0.016 χ^2/NDF: 4379356.2/25

Left In: 56.467+/-0.010 χ^2/NDF:2140078.8/22

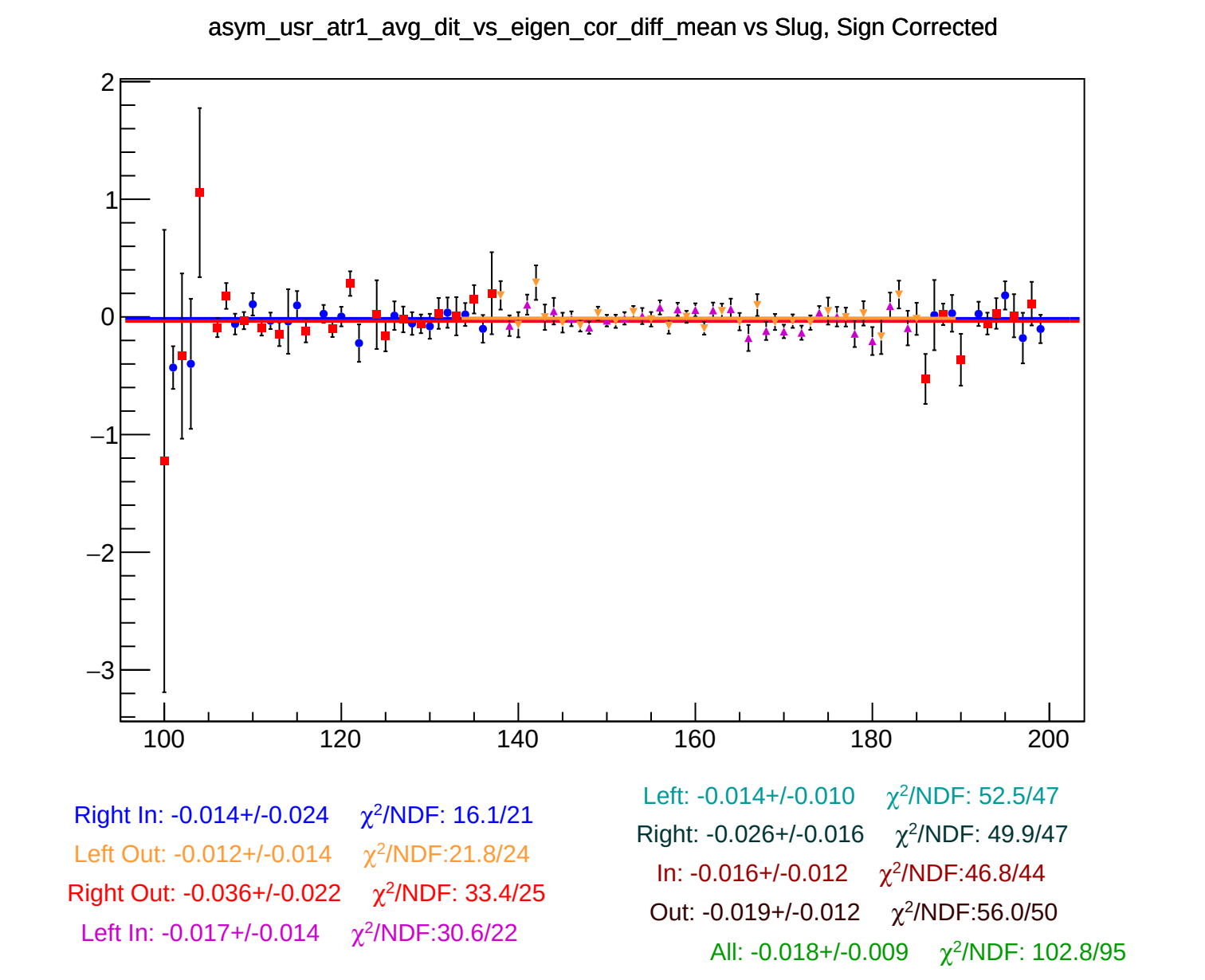
Left: 56.420+/-0.007 χ^2/NDF: 4937425.9/47

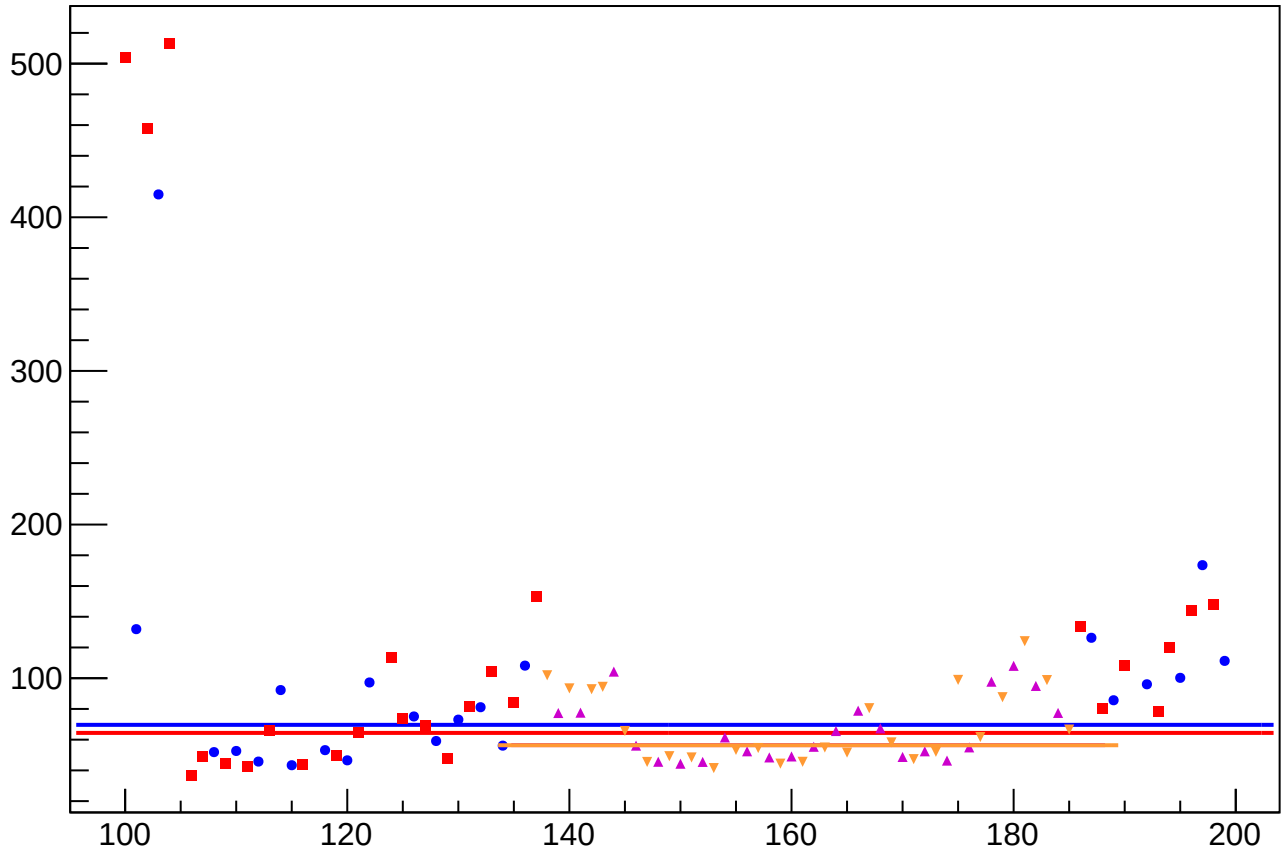
Right: 66.793+/-0.012 χ^2/NDF: 7600350.4/47

In: 59.968+/-0.009 χ^2/NDF:5749178.4/44

Out: 58.749+/-0.008 χ^2/NDF:7362628.4/50

All: 59.338+/-0.006 χ^2/NDF: 13121769.1/95


asym_usr_atr1_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
2
1
0
−1
−2
−3
100
120
140
160
180
200
Right In: -0.014+/-0.024 χ²/NDF: 16.1/21
Left Out: -0.012+/-0.014 χ²/NDF:21.8/24
Right Out: -0.036+/-0.022 χ²/NDF: 33.4/25
Left In: -0.017+/-0.014 χ²/NDF:30.6/22
Left: -0.014+/-0.010 χ²/NDF: 52.5/47
Right: -0.026+/-0.016 χ²/NDF: 49.9/47
In: -0.016+/-0.012 χ²/NDF:46.8/44
Out: -0.019+/-0.012 χ²/NDF:56.0/50
All: -0.018+/-0.009 χ²/NDF: 102.8/95



Right In: 69.645+/-0.017 χ^2/NDF: 3169396.4/21

Left Out: 56.374+/-0.010 χ^2/NDF:2797305.0/24

Right Out: 64.397+/-0.016 χ^2/NDF: 4379356.2/25

Left In: 56.467+/-0.010 χ^2/NDF:2140078.8/22

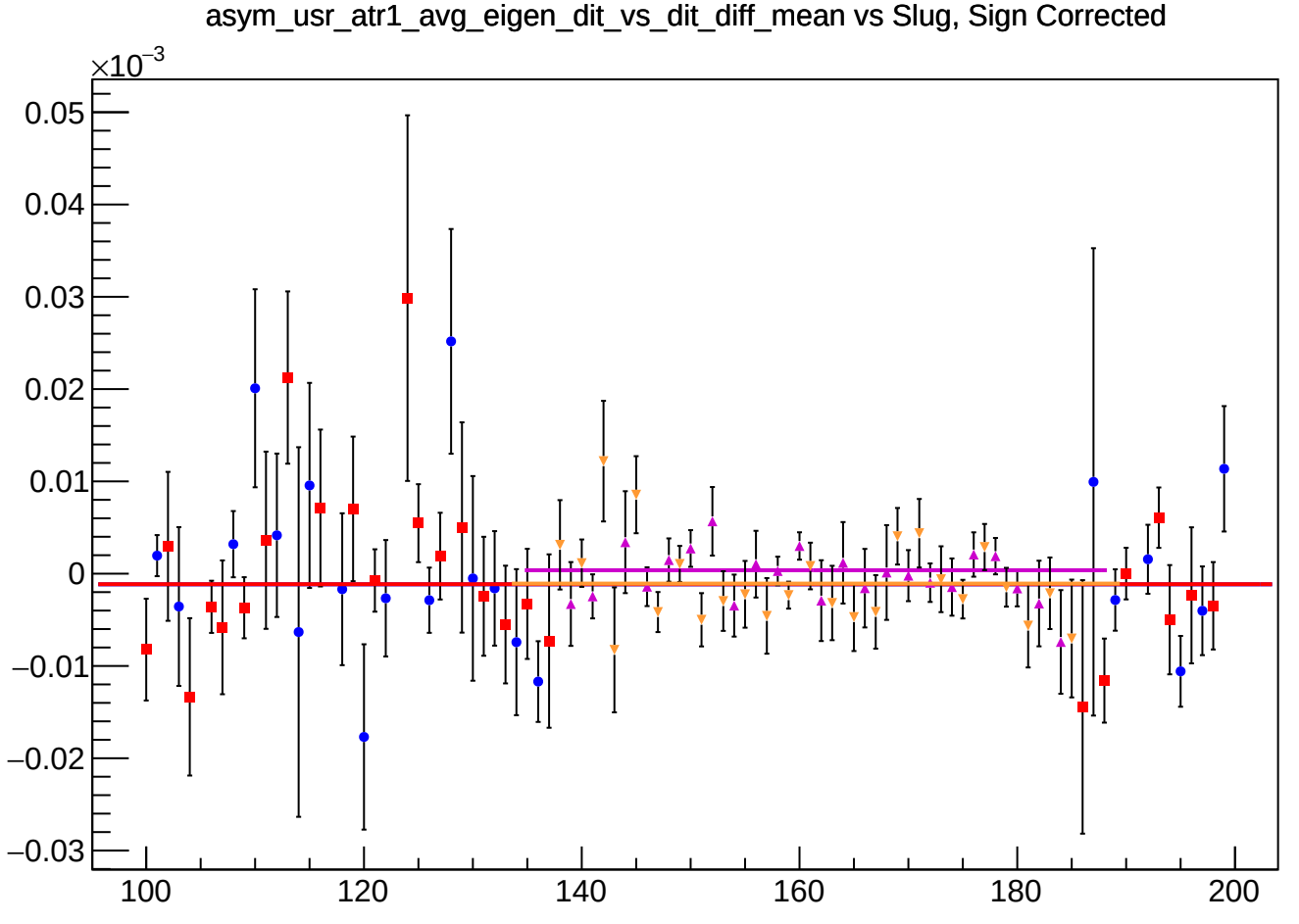
Left: 56.420+/-0.007 χ^2/NDF: 4937425.9/47

Right: 66.793+/-0.012 χ^2/NDF: 7600350.4/47

In: 59.968+/-0.009 χ^2/NDF:5749178.4/44

Out: 58.749+/-0.008 χ^2/NDF:7362628.4/50

All: 59.338+/-0.006 χ^2/NDF: 13121769.1/95



Right In: -0.000+/-0.000 χ^2/NDF: 33.7/21

Left Out: -0.000+/-0.000 χ^2/NDF:31.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 32.4/25

Left In: 0.000+/-0.000 χ^2/NDF:17.5/22

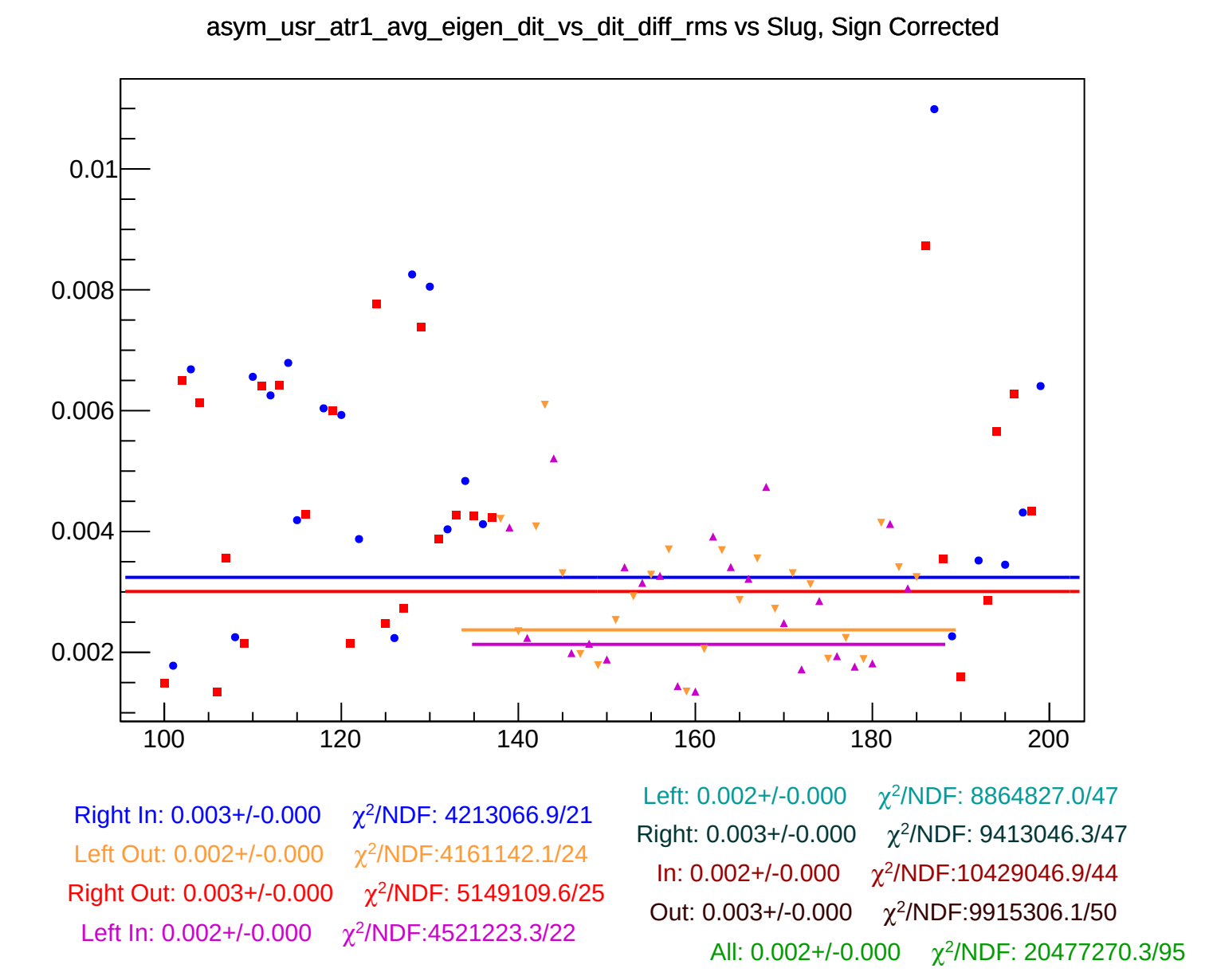
Left: -0.000+/-0.000 χ^2/NDF: 52.4/47

Right: -0.000+/-0.000 χ^2/NDF: 66.0/47

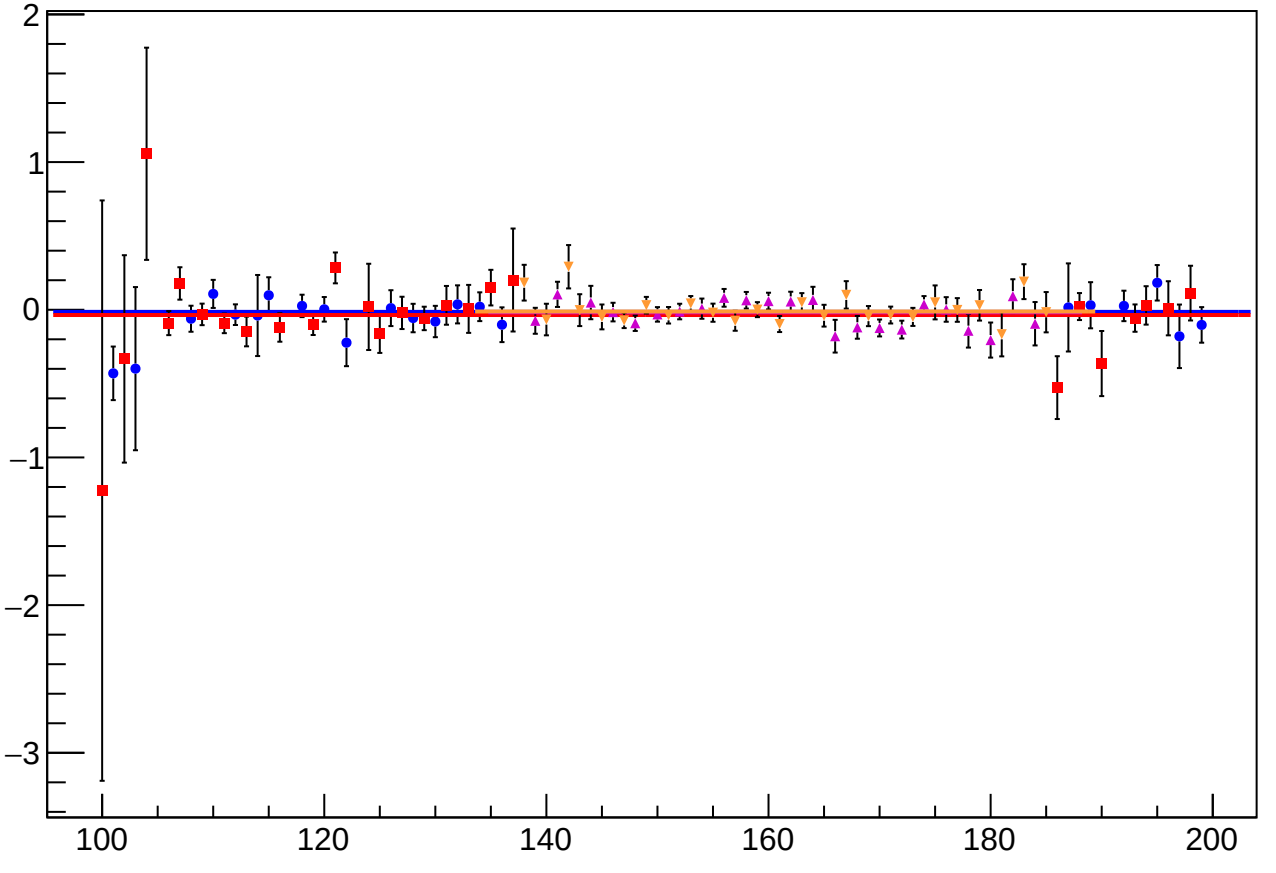
In: 0.000+/-0.000 χ^2/NDF:52.8/44

Out: -0.000+/-0.000 χ^2/NDF:63.9/50

All: -0.000+/-0.000 χ^2/NDF: 119.5/95


asym_usr_atr1_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.01
0.008
0.006
0.004
0.002
100
120
140
160
180
200
Right In: 0.003+/-0.000 χ²/NDF: 4213066.9/21
Left Out: 0.002+/-0.000 χ²/NDF:4161142.1/24
Right Out: 0.003+/-0.000 χ²/NDF: 5149109.6/25
Left In: 0.002+/-0.000 χ²/NDF:4521223.3/22
Left: 0.002+/-0.000 χ²/NDF: 8864827.0/47
Right: 0.003+/-0.000 χ²/NDF: 9413046.3/47
In: 0.002+/-0.000 χ²/NDF:10429046.9/44
Out: 0.003+/-0.000 χ²/NDF:9915306.1/50
All: 0.002+/-0.000 χ²/NDF: 20477270.3/95

asym_usr_atr1_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.014+/-0.024 χ^2/NDF: 16.1/21

Left Out: -0.012+/-0.014 χ^2/NDF:21.8/24

Right Out: -0.036+/-0.022 χ^2/NDF: 33.3/25

Left In: -0.017+/-0.014 χ^2/NDF:30.6/22

Left: -0.014+/-0.010 χ^2/NDF: 52.5/47

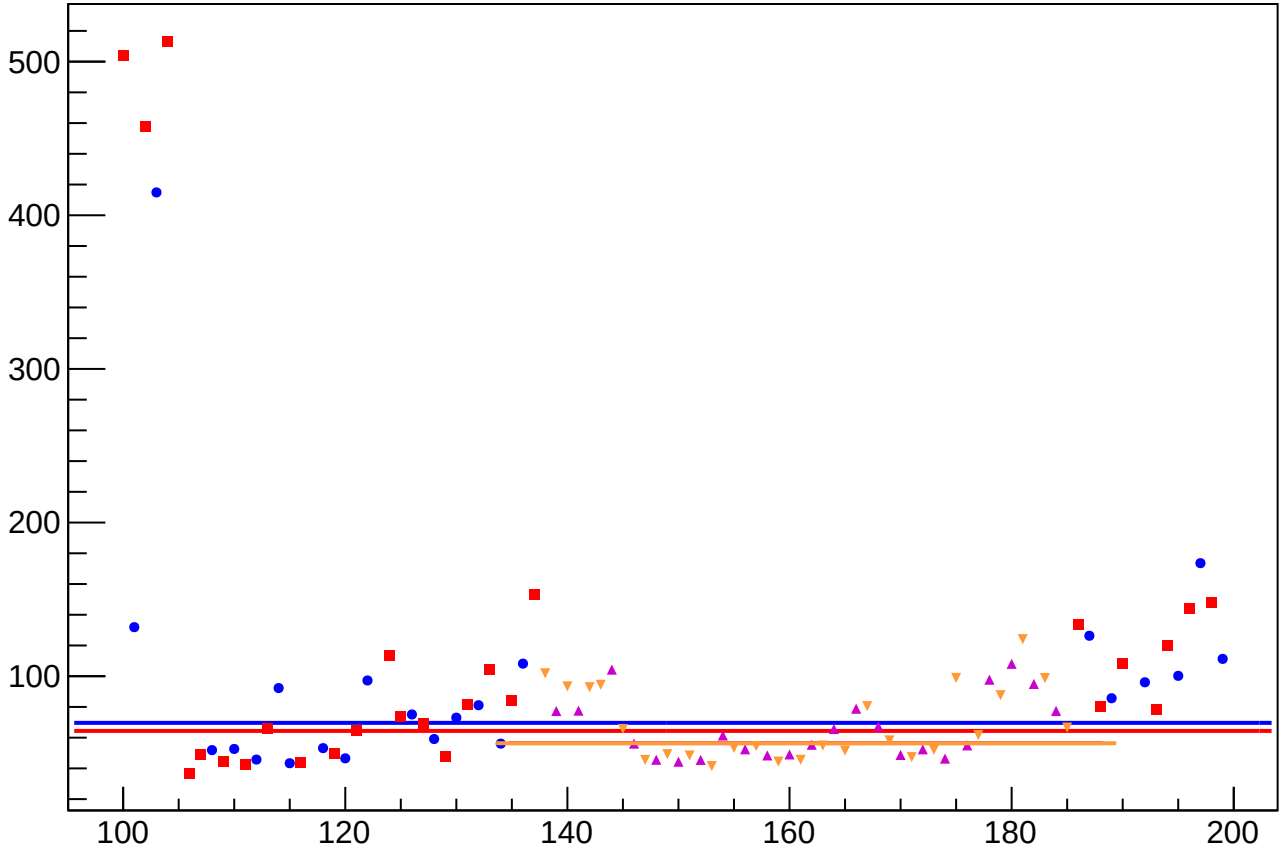
Right: -0.026+/-0.016 χ^2/NDF: 49.9/47

In: -0.016+/-0.012 χ^2/NDF:46.8/44

Out: -0.019+/-0.012 χ^2/NDF:56.0/50

All: -0.018+/-0.009 χ^2/NDF: 102.8/95

asym_usr_atr1_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 69.644+/-0.017 χ^2/NDF: 3169374.2/21

Left Out: 56.374+/-0.010 χ^2/NDF:2797380.0/24

Right Out: 64.396+/-0.016 χ^2/NDF: 4379367.3/25

Left In: 56.467+/-0.010 χ^2/NDF:2140063.7/22

Left: 56.420+/-0.007 χ^2/NDF: 4937485.7/47

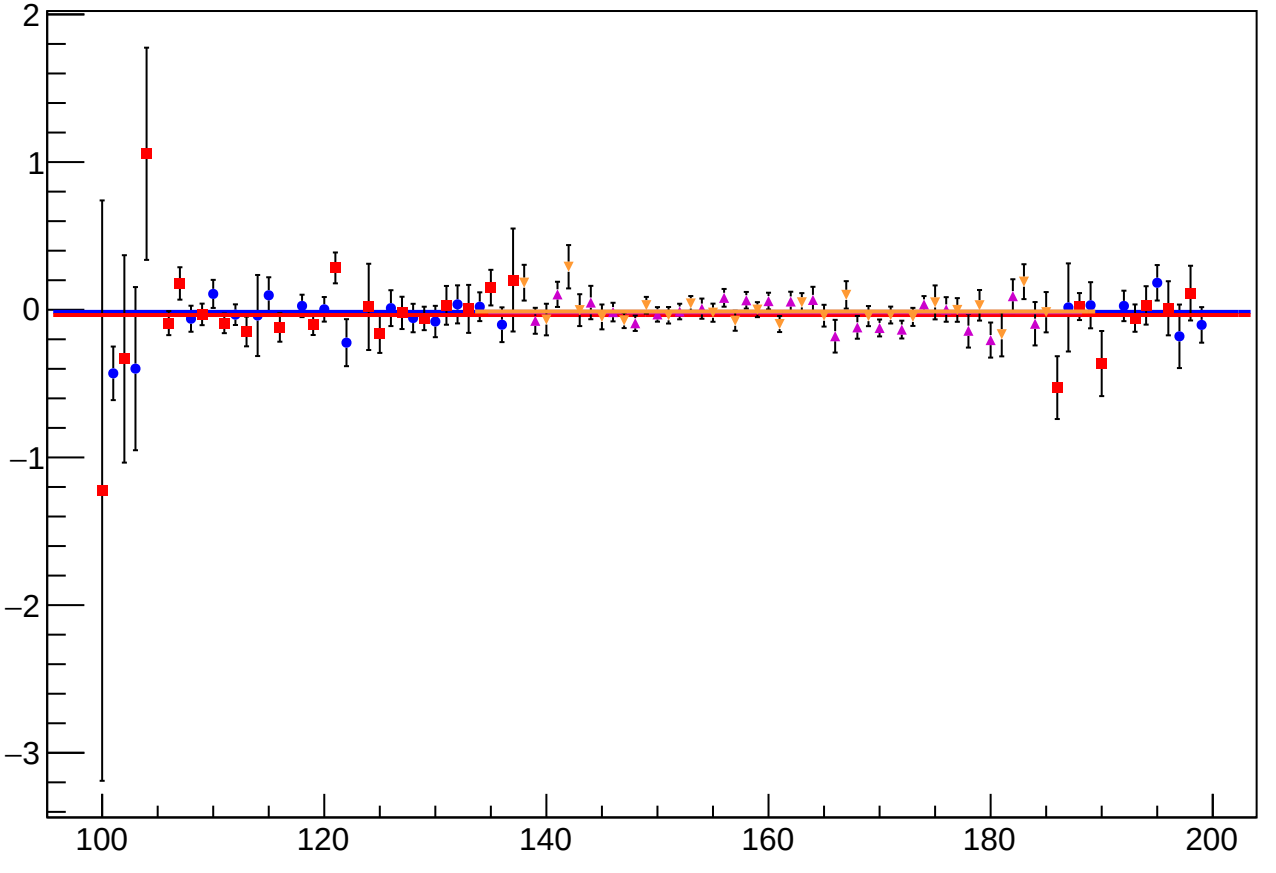
Right: 66.792+/-0.012 χ^2/NDF: 7600341.9/47

In: 59.968+/-0.009 χ^2/NDF:5749089.8/44

Out: 58.749+/-0.008 χ^2/NDF:7362670.0/50

All: 59.338+/-0.006 χ^2/NDF: 13121722.3/95

asym_usr_atr1_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.014+/-0.024 χ^2/NDF: 16.1/21

Left Out: -0.012+/-0.014 χ^2/NDF:21.8/24

Right Out: -0.036+/-0.022 χ^2/NDF: 33.3/25

Left In: -0.017+/-0.014 χ^2/NDF:30.6/22

Left: -0.014+/-0.010 χ^2/NDF: 52.5/47

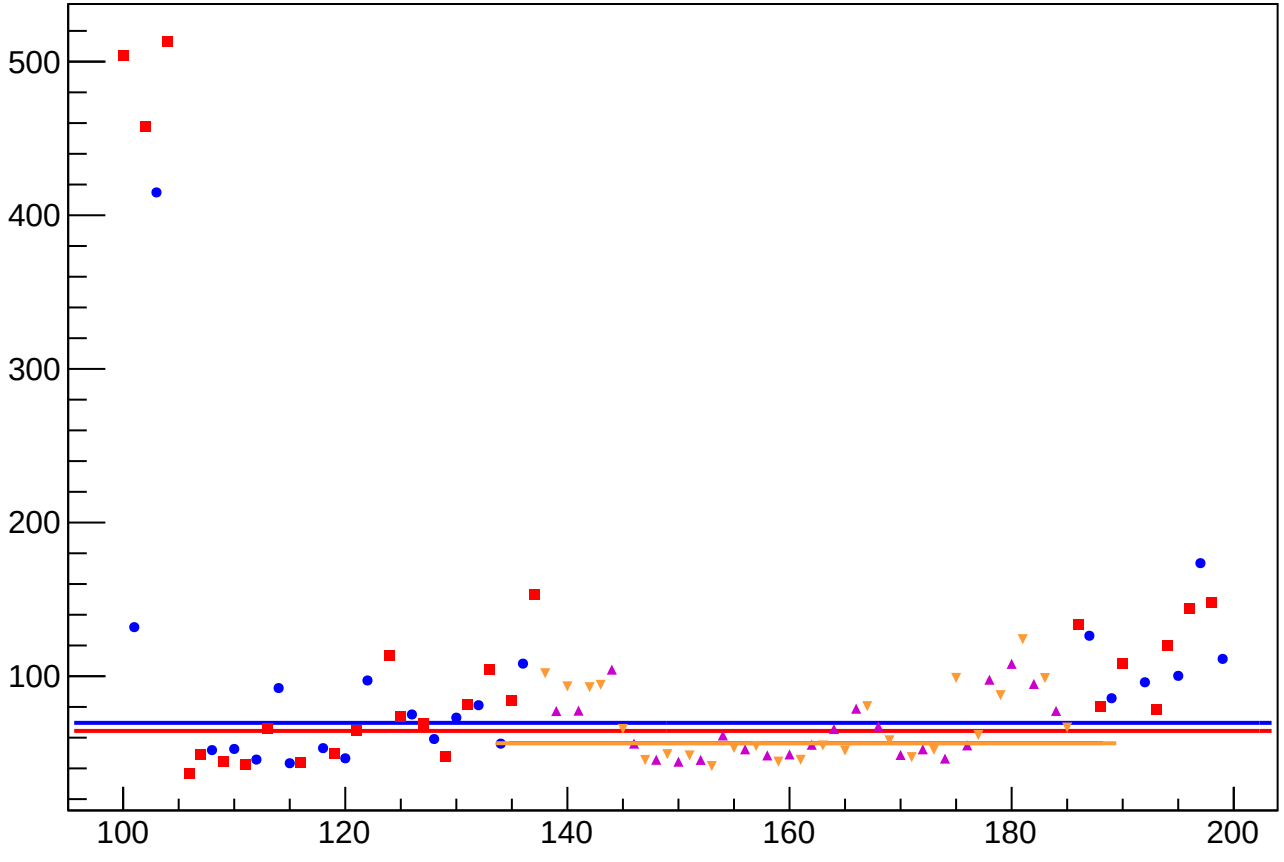
Right: -0.026+/-0.016 χ^2/NDF: 49.9/47

In: -0.016+/-0.012 χ^2/NDF:46.8/44

Out: -0.019+/-0.012 χ^2/NDF:56.0/50

All: -0.018+/-0.009 χ^2/NDF: 102.8/95

asym_usr_atr1_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 69.644+/-0.017 χ^2/NDF: 3169374.2/21

Left Out: 56.374+/-0.010 χ^2/NDF:2797380.0/24

Right Out: 64.396+/-0.016 χ^2/NDF: 4379367.3/25

Left In: 56.467+/-0.010 χ^2/NDF:2140063.7/22

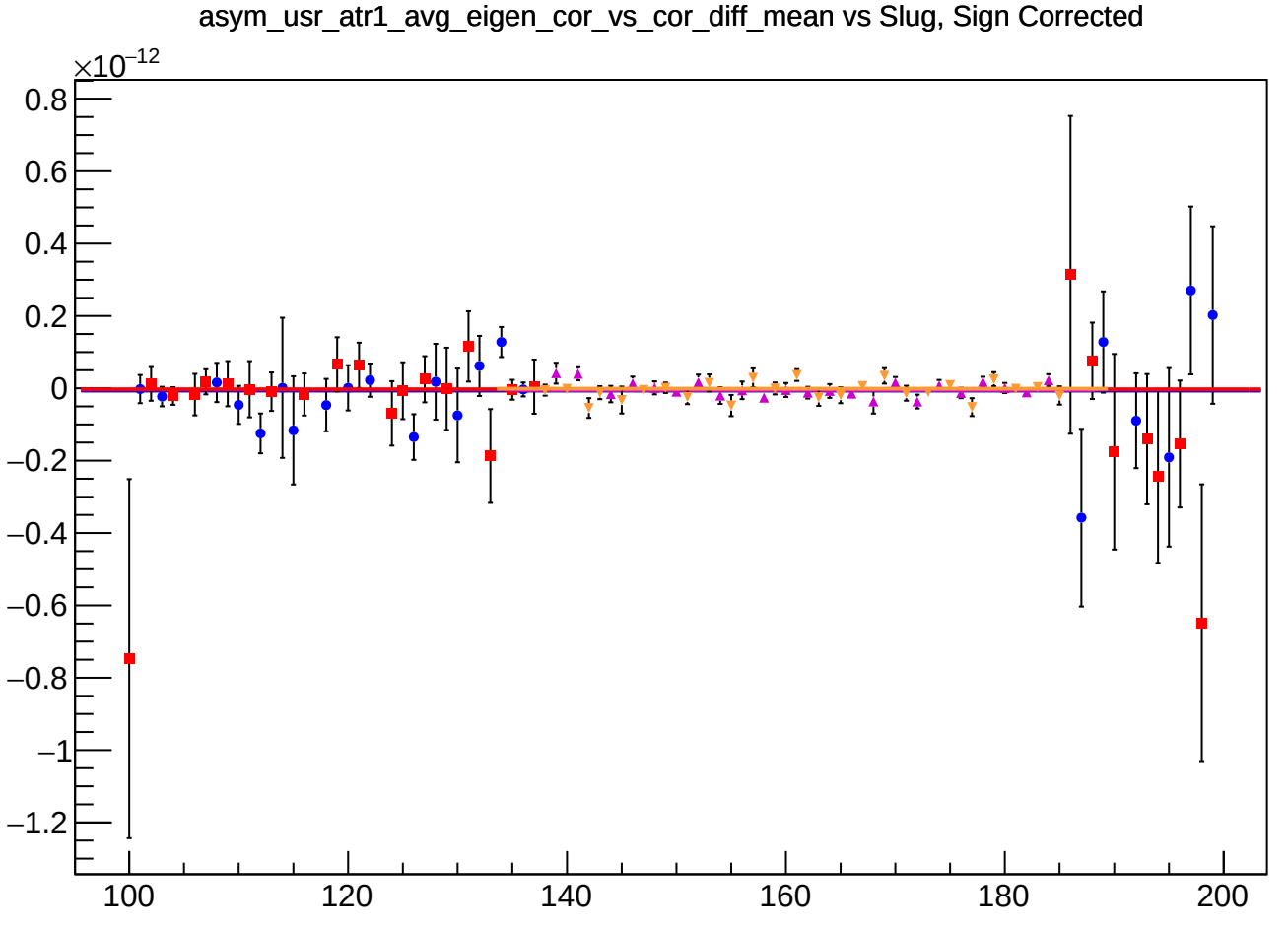
Left: 56.420+/-0.007 χ^2/NDF: 4937485.7/47

Right: 66.792+/-0.012 χ^2/NDF: 7600341.9/47

In: 59.968+/-0.009 χ^2/NDF:5749089.8/44

Out: 58.749+/-0.008 χ^2/NDF:7362670.0/50

All: 59.338+/-0.006 χ^2/NDF: 13121722.3/95



Right In: -0.000+/-0.000 χ^2/NDF: 28.7/21

Left Out: -0.000+/-0.000 χ^2/NDF:29.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 16.4/25

Left In: -0.000+/-0.000 χ^2/NDF:28.4/22

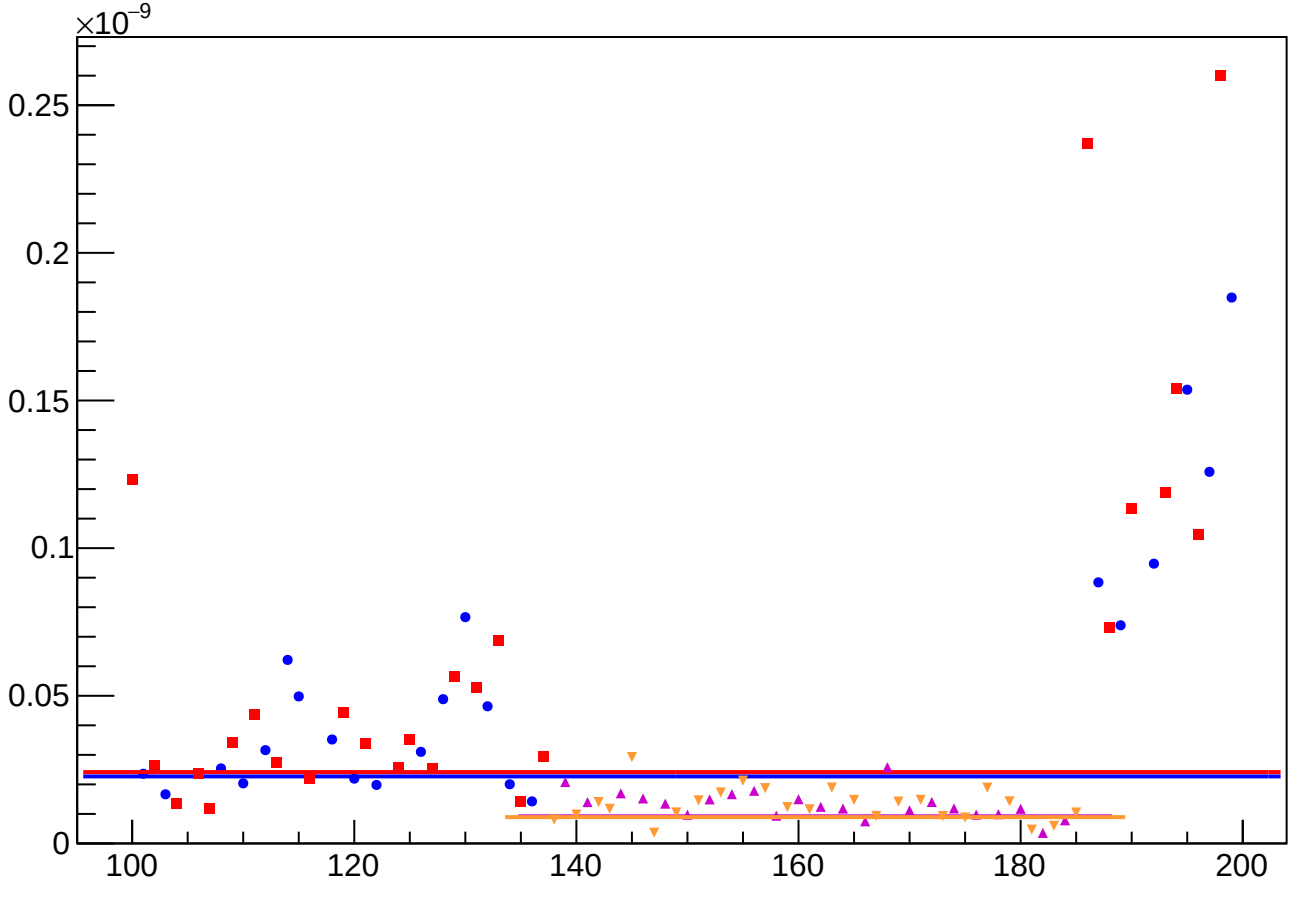
Left: -0.000+/-0.000 χ^2/NDF: 58.8/47

Right: -0.000+/-0.000 χ^2/NDF: 45.1/47

In: -0.000+/-0.000 χ^2/NDF:57.1/44

Out: -0.000+/-0.000 χ^2/NDF:46.0/50

All: -0.000+/-0.000 χ^2/NDF: 103.9/95



Right In: 0.000+/-0.000 χ^2/NDF: 4288217.7/21

Left Out: 0.000+/-0.000 χ^2/NDF:5051836.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5421128.8/25

Left In: 0.000+/-0.000 χ^2/NDF:5079391.4/22

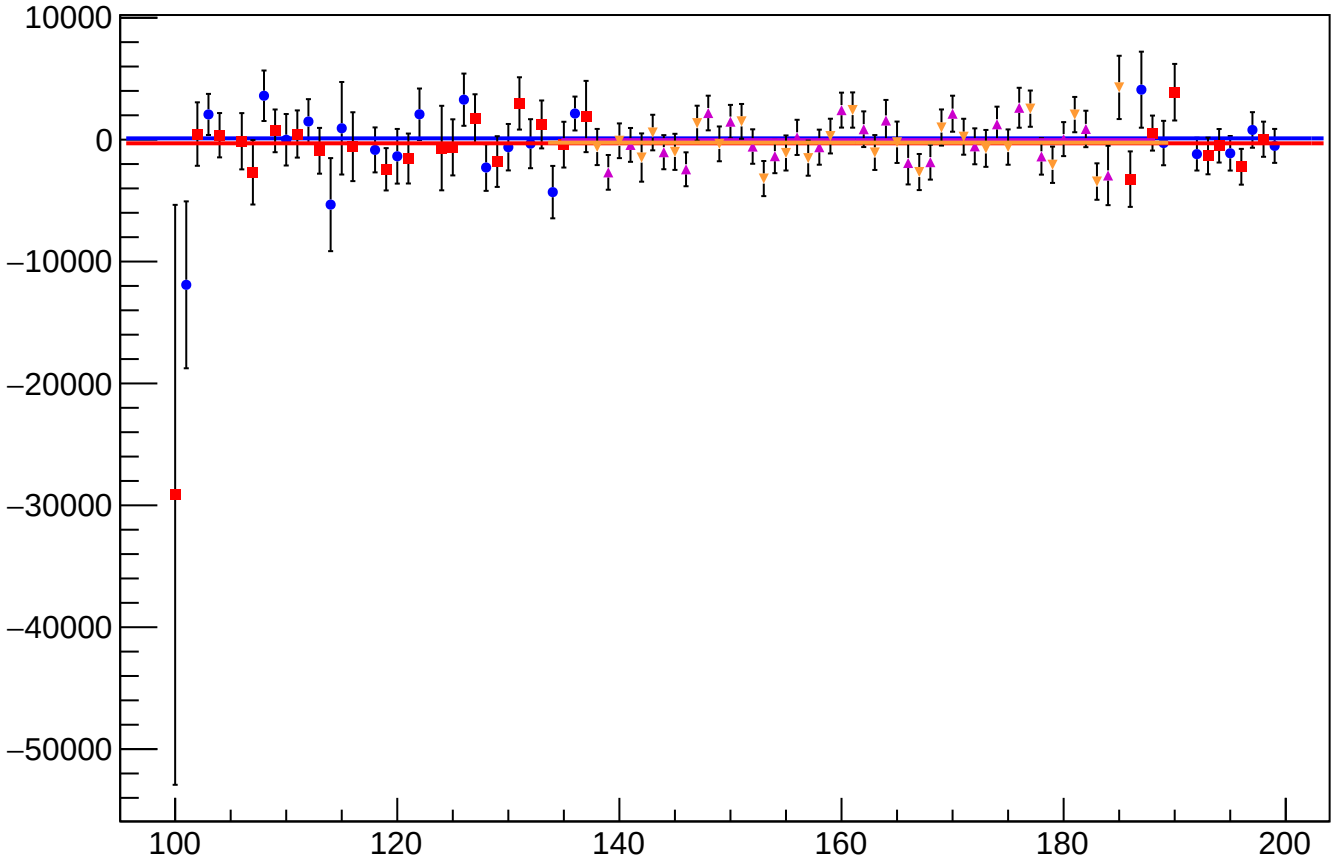
Left: 0.000+/-0.000 χ^2/NDF: 10139912.3/47

Right: 0.000+/-0.000 χ^2/NDF: 9725844.5/47

In: 0.000+/-0.000 χ^2/NDF:12104173.8/44

Out: 0.000+/-0.000 χ^2/NDF:13658244.6/50

All: 0.000+/-0.000 χ^2/NDF: 25773098.9/95



Right In: 106.734+/-402.602 χ^2/NDF: 25.6/21

Left Out: -240.873+/-300.008 χ^2/NDF:31.7/24

Right Out: -298.916+/-384.508 χ^2/NDF: 17.6/25

Left In: -39.122+/-308.622 χ^2/NDF:27.1/22

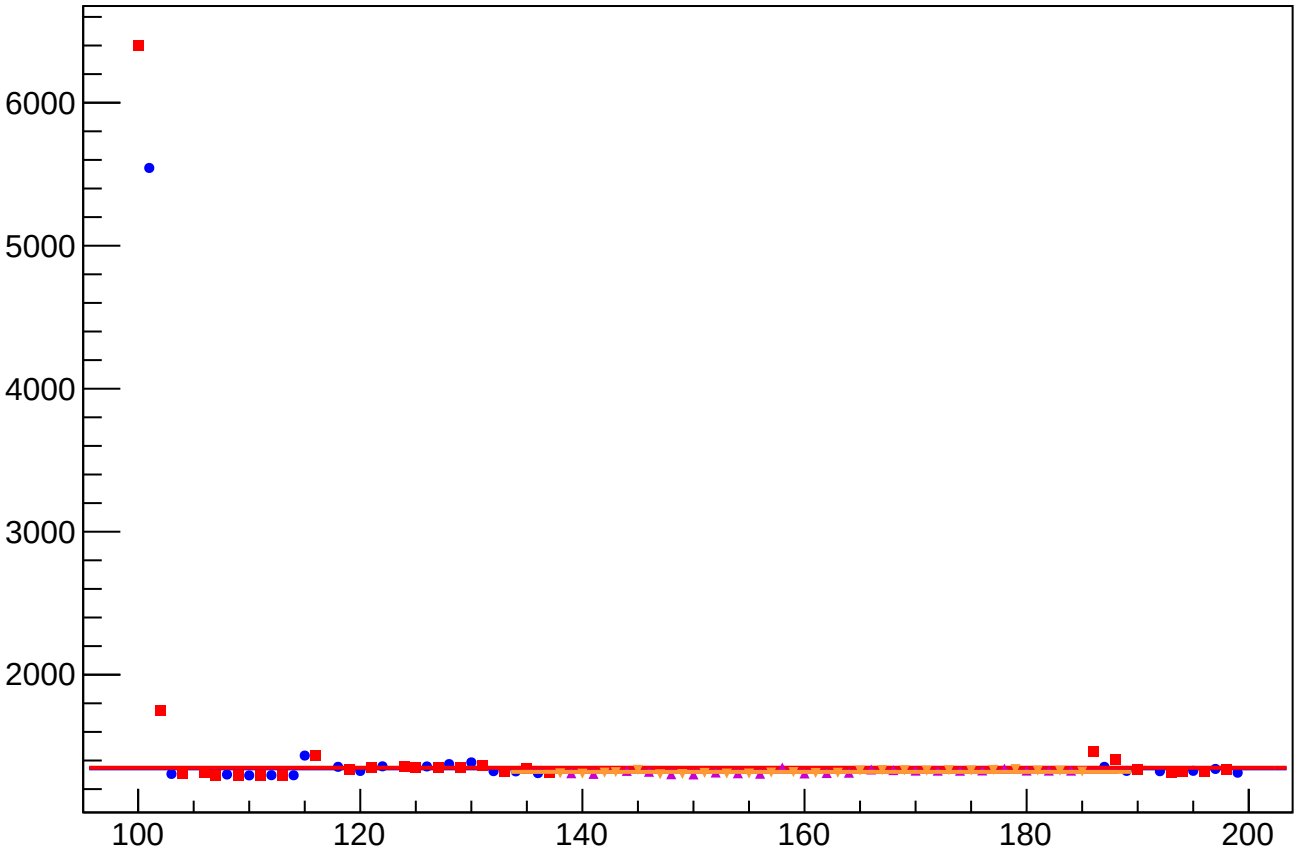
Left: -142.853+/-215.118 χ^2/NDF: 59.1/47

Right: -105.412+/-278.065 χ^2/NDF: 43.7/47

In: 14.863+/-244.936 χ^2/NDF:52.8/44

Out: -262.837+/-236.529 χ^2/NDF:49.4/50

All: -128.834+/-170.146 χ^2/NDF: 102.8/95



Right In: 1345.220+/-0.285 χ^2/NDF: 763131.1/21

Left Out: 1320.740+/-0.212 χ^2/NDF:2602.3/24

Right Out: 1349.366+/-0.272 χ^2/NDF: 158009.4/25

Left In: 1321.782+/-0.218 χ^2/NDF:3553.3/22

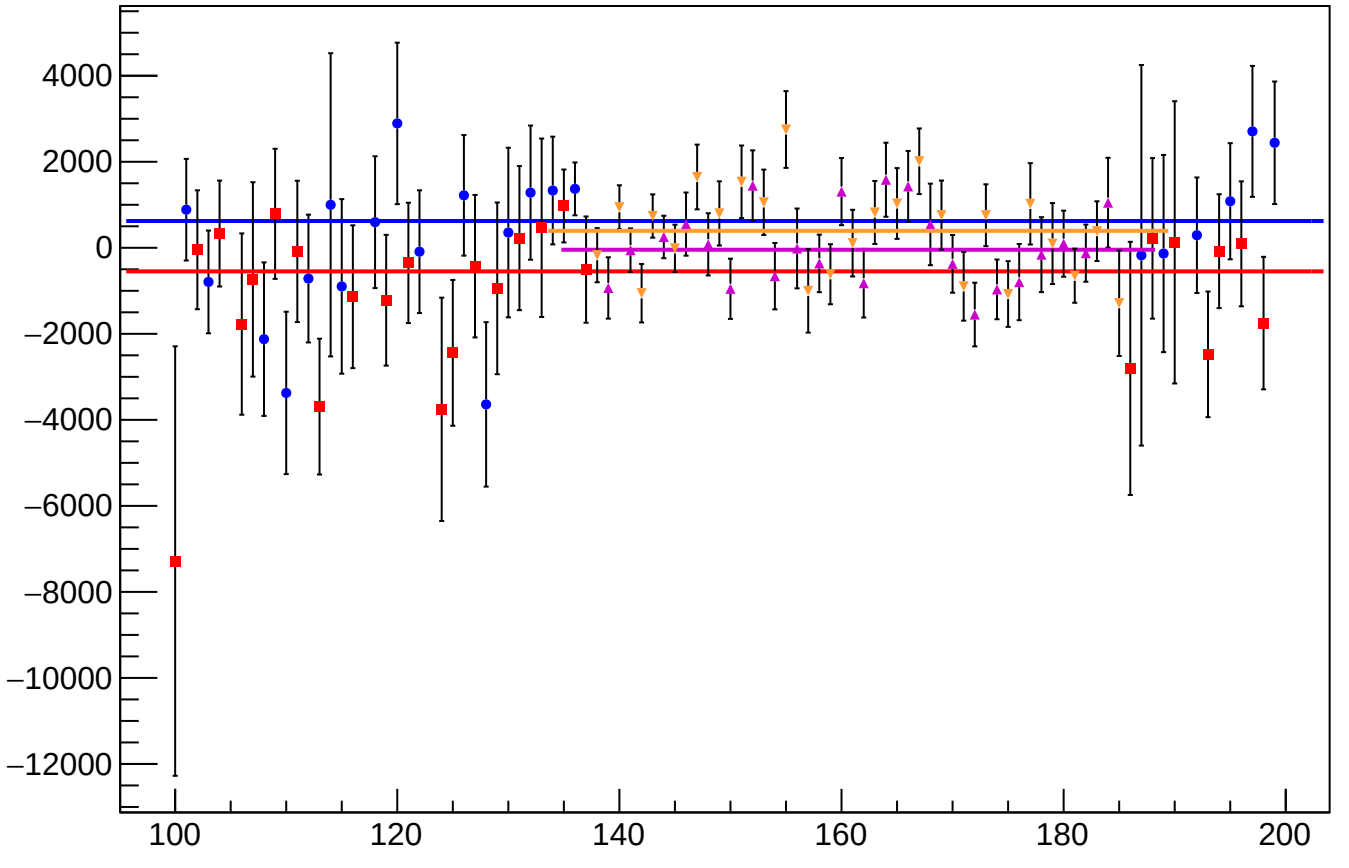
Left: 1321.247+/-0.152 χ^2/NDF: 6167.3/47

Right: 1347.388+/-0.197 χ^2/NDF: 921251.4/47

In: 1330.457+/-0.173 χ^2/NDF:770953.4/44

Out: 1331.573+/-0.167 χ^2/NDF:167502.2/50

All: 1331.034+/-0.120 χ^2/NDF: 938477.1/95



Right In: 622.905+/-301.530 χ^2/NDF: 22.4/21

Left Out: 394.550+/-144.562 χ^2/NDF:41.8/24

Right Out: -547.875+/-310.998 χ^2/NDF: 17.9/25

Left In: -44.777+/-152.333 χ^2/NDF:27.6/22

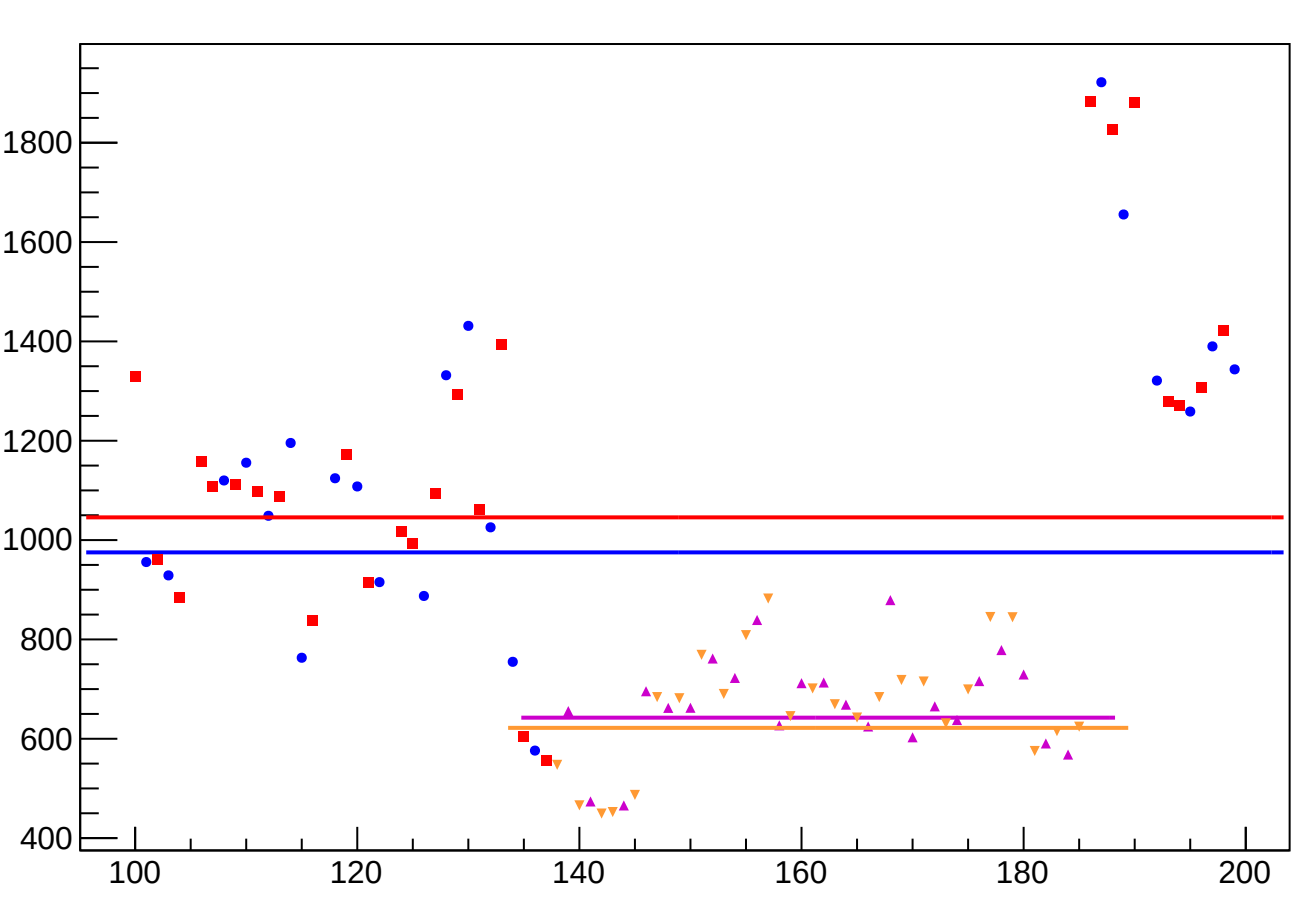
Left: 186.377+/-104.860 χ^2/NDF: 73.8/47

Right: 55.608+/-216.484 χ^2/NDF: 47.6/47

In: 90.983+/-135.966 χ^2/NDF:53.9/44

Out: 227.102+/-131.091 χ^2/NDF:67.3/50

All: 161.526+/-94.372 χ^2/NDF: 121.7/95



Right In: 975.221+/-0.213 χ^2/NDF: 1965758.2/21

Left Out: 621.950+/-0.102 χ^2/NDF:1383473.2/24

Right Out: 1045.737+/-0.220 χ^2/NDF: 2007160.7/25

Left In: 642.470+/-0.108 χ^2/NDF:926330.5/22

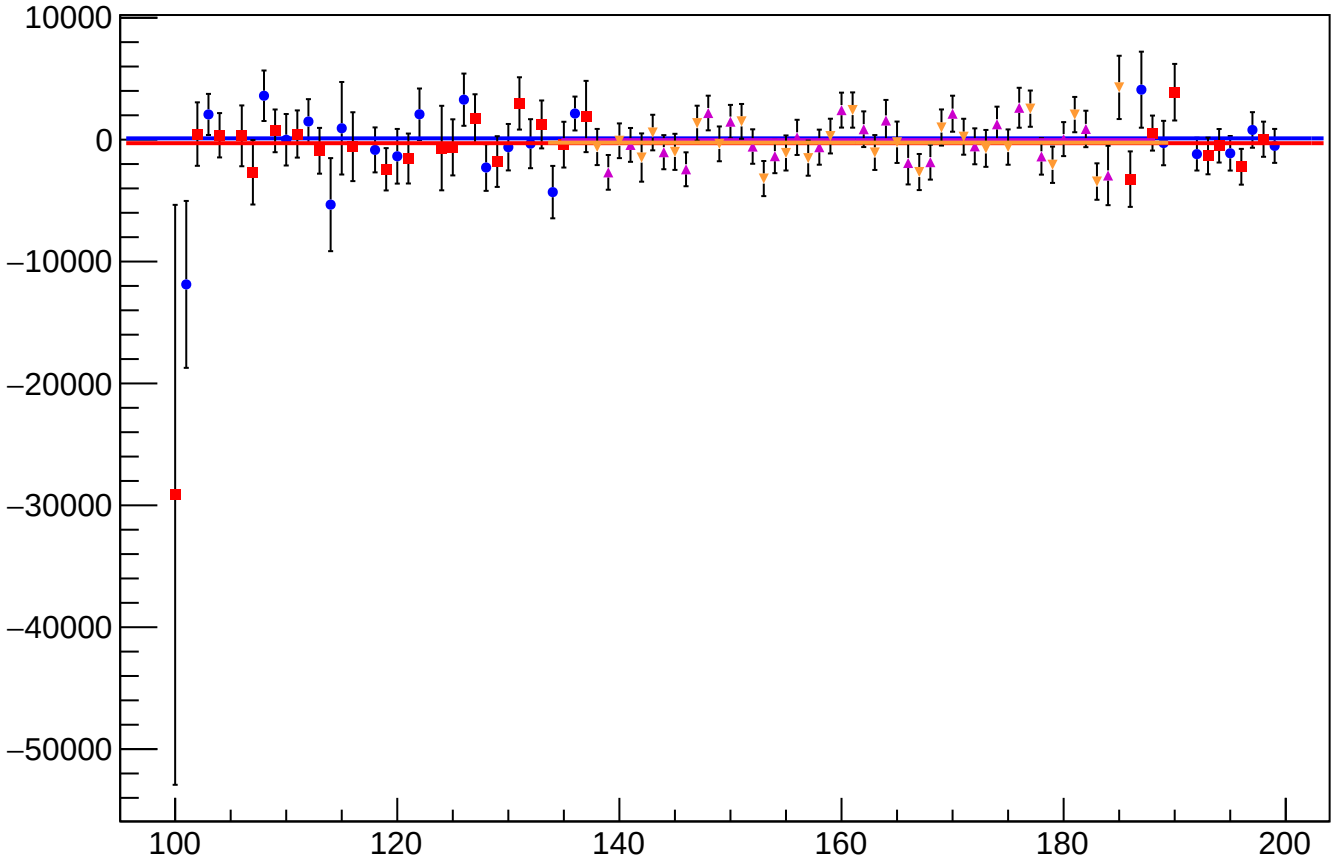
Left: 631.673+/-0.074 χ^2/NDF: 2328898.3/47

Right: 1009.389+/-0.153 χ^2/NDF: 4025918.6/47

In: 710.129+/-0.096 χ^2/NDF:4832469.7/44

Out: 697.248+/-0.093 χ^2/NDF:6444507.2/50

All: 703.453+/-0.067 χ^2/NDF: 11286279.6/95



Right In: 106.857+/-402.602 χ^2/NDF: 25.6/21

Left Out: -240.875+/-300.008 χ^2/NDF:31.7/24

Right Out: -289.212+/-385.279 χ^2/NDF: 17.7/25

Left In: -39.193+/-308.622 χ^2/NDF:27.1/22

Left: -142.888+/-215.118 χ^2/NDF: 59.1/47

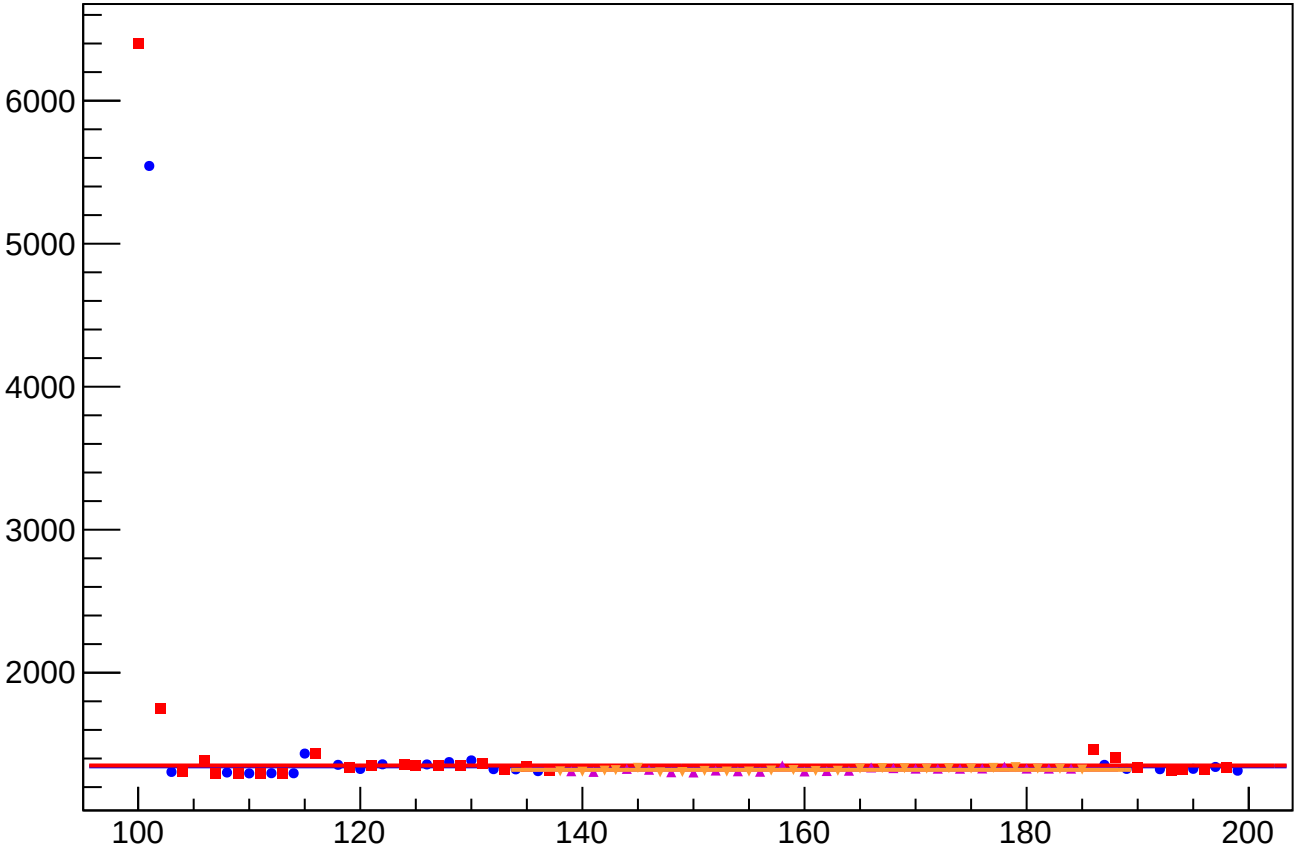
Right: -99.882+/-278.356 χ^2/NDF: 43.7/47

In: 14.864+/-244.936 χ^2/NDF:52.7/44

Out: -259.121+/-236.709 χ^2/NDF:49.4/50

All: -126.807+/-170.213 χ^2/NDF: 102.8/95

cor_asym_usr_atr1_dd_rms vs Slug, Sign Corrected



Right In: 1345.220+/-0.285 χ^2/NDF: 763130.1/21

Left Out: 1320.740+/-0.212 χ^2/NDF:2602.3/24

Right Out: 1351.194+/-0.272 χ^2/NDF: 158082.5/25

Left In: 1321.783+/-0.218 χ^2/NDF:3553.3/22

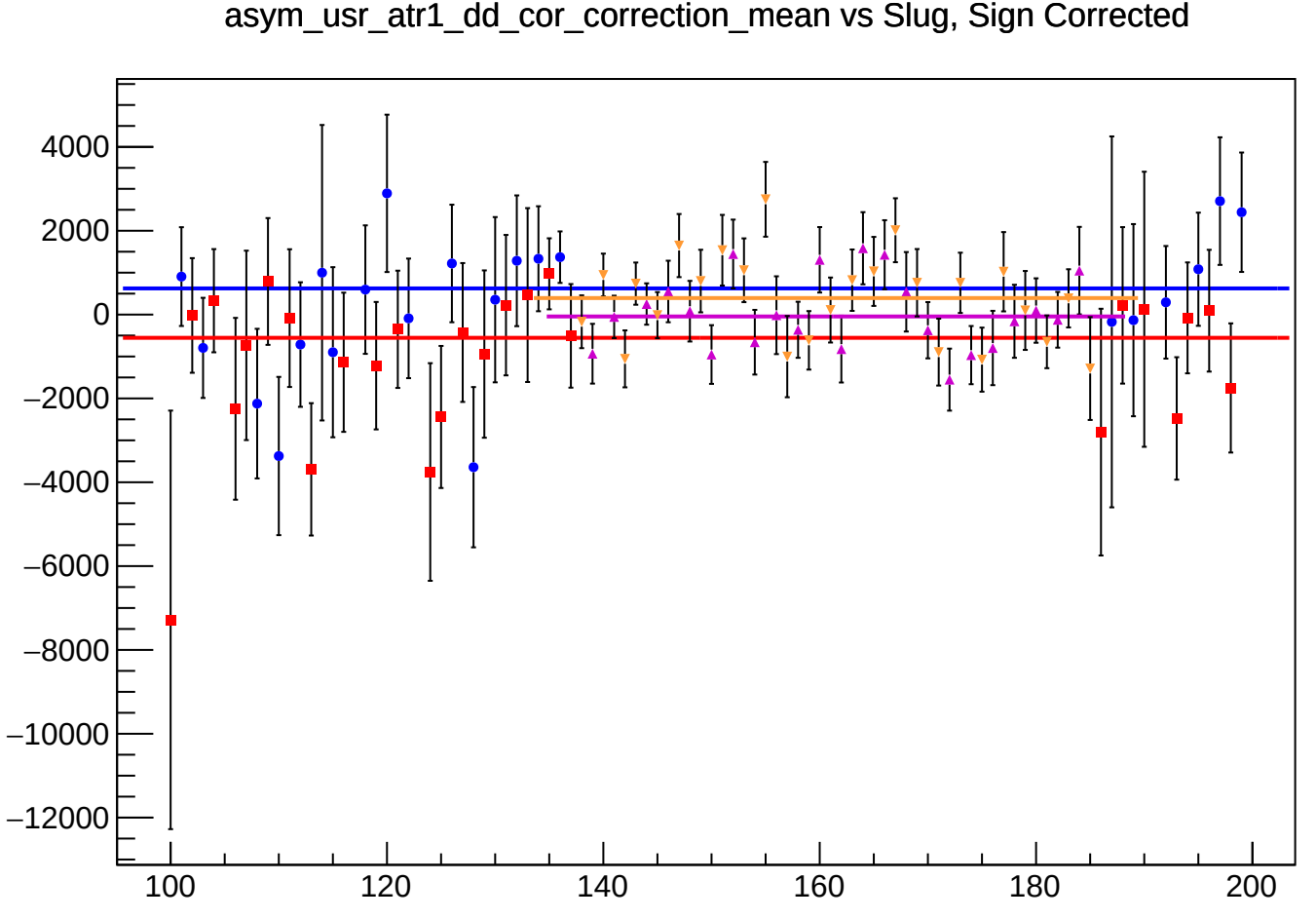
Left: 1321.247+/-0.152 χ^2/NDF: 6167.3/47

Right: 1348.338+/-0.197 χ^2/NDF: 921442.5/47

In: 1330.457+/-0.173 χ^2/NDF:770952.5/44

Out: 1332.236+/-0.167 χ^2/NDF:168463.9/50

All: 1331.377+/-0.120 χ^2/NDF: 939470.9/95



Right In: 624.239+/-301.489 χ^2/NDF: 22.4/21

Left Out: 394.522+/-144.562 χ^2/NDF:41.8/24

Right Out: -554.356+/-311.001 χ^2/NDF: 18.2/25

Left In: -44.766+/-152.332 χ^2/NDF:27.6/22

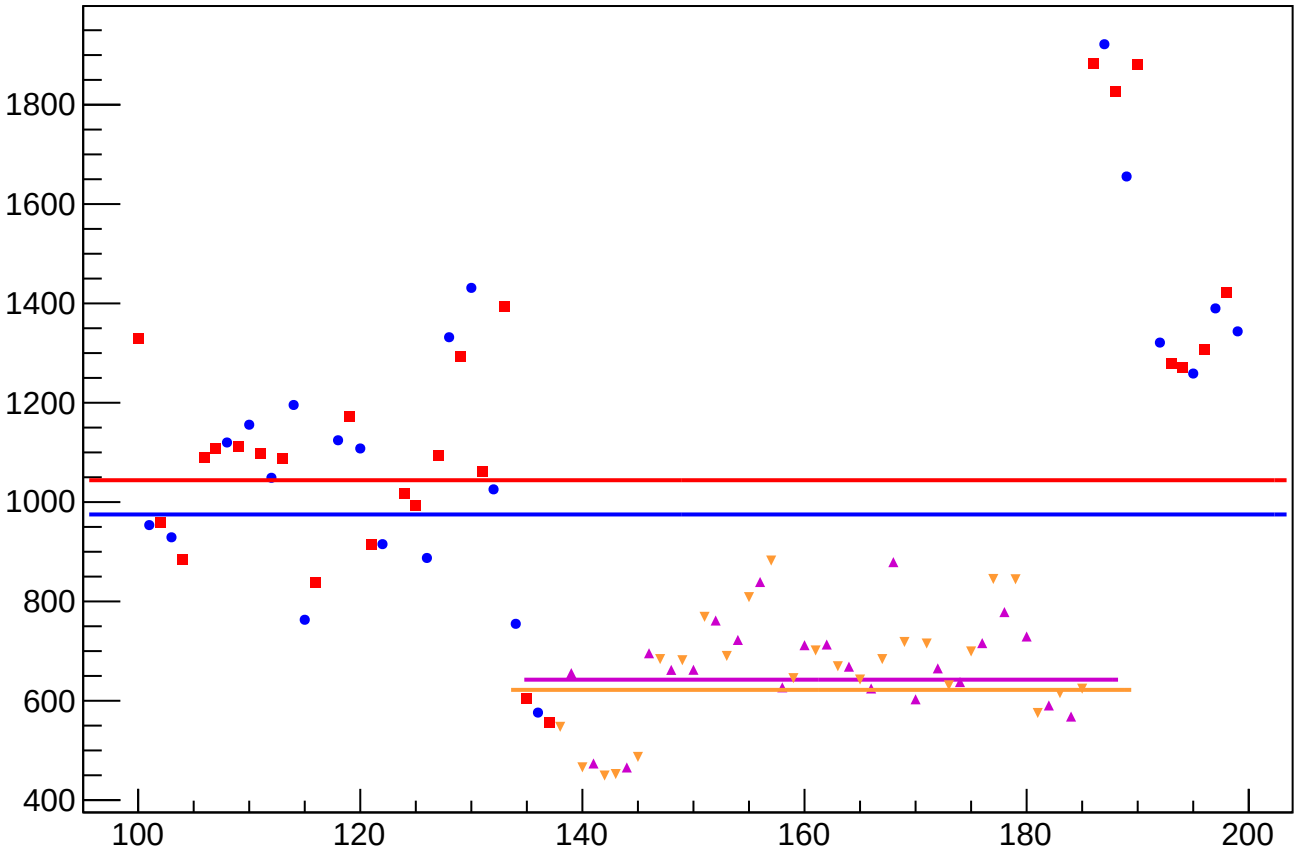
Left: 186.367+/-104.860 χ^2/NDF: 73.8/47

Right: 53.241+/-216.470 χ^2/NDF: 48.0/47

In: 91.291+/-135.962 χ^2/NDF:53.9/44

Out: 225.930+/-131.092 χ^2/NDF:67.7/50

All: 161.065+/-94.371 χ^2/NDF: 122.1/95



Right In: 975.094+/-0.213 χ^2/NDF: 1965805.1/21

Left Out: 621.950+/-0.102 χ^2/NDF:1383373.4/24

Right Out: 1044.034+/-0.220 χ^2/NDF: 2002799.7/25

Left In: 642.465+/-0.108 χ^2/NDF:926376.1/22

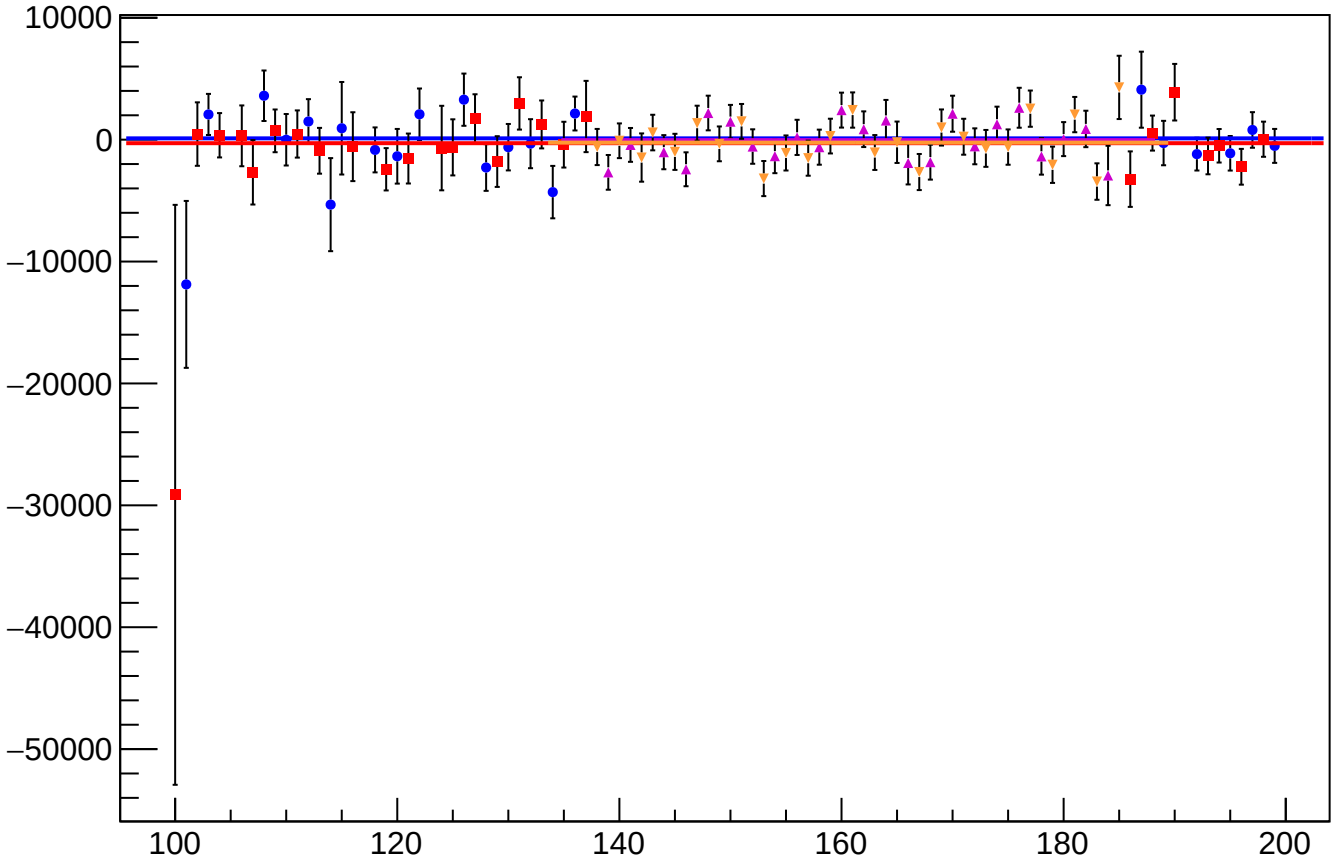
Left: 631.671+/-0.074 χ^2/NDF: 2328835.4/47

Right: 1008.493+/-0.153 χ^2/NDF: 4019269.0/47

In: 710.113+/-0.096 χ^2/NDF:4831546.4/44

Out: 696.944+/-0.093 χ^2/NDF:6415500.5/50

All: 703.288+/-0.067 χ^2/NDF: 11256770.4/95



Right In: 106.857+/-402.602 χ^2/NDF: 25.6/21

Left Out: -240.875+/-300.008 χ^2/NDF:31.7/24

Right Out: -289.212+/-385.279 χ^2/NDF: 17.7/25

Left In: -39.193+/-308.622 χ^2/NDF:27.1/22

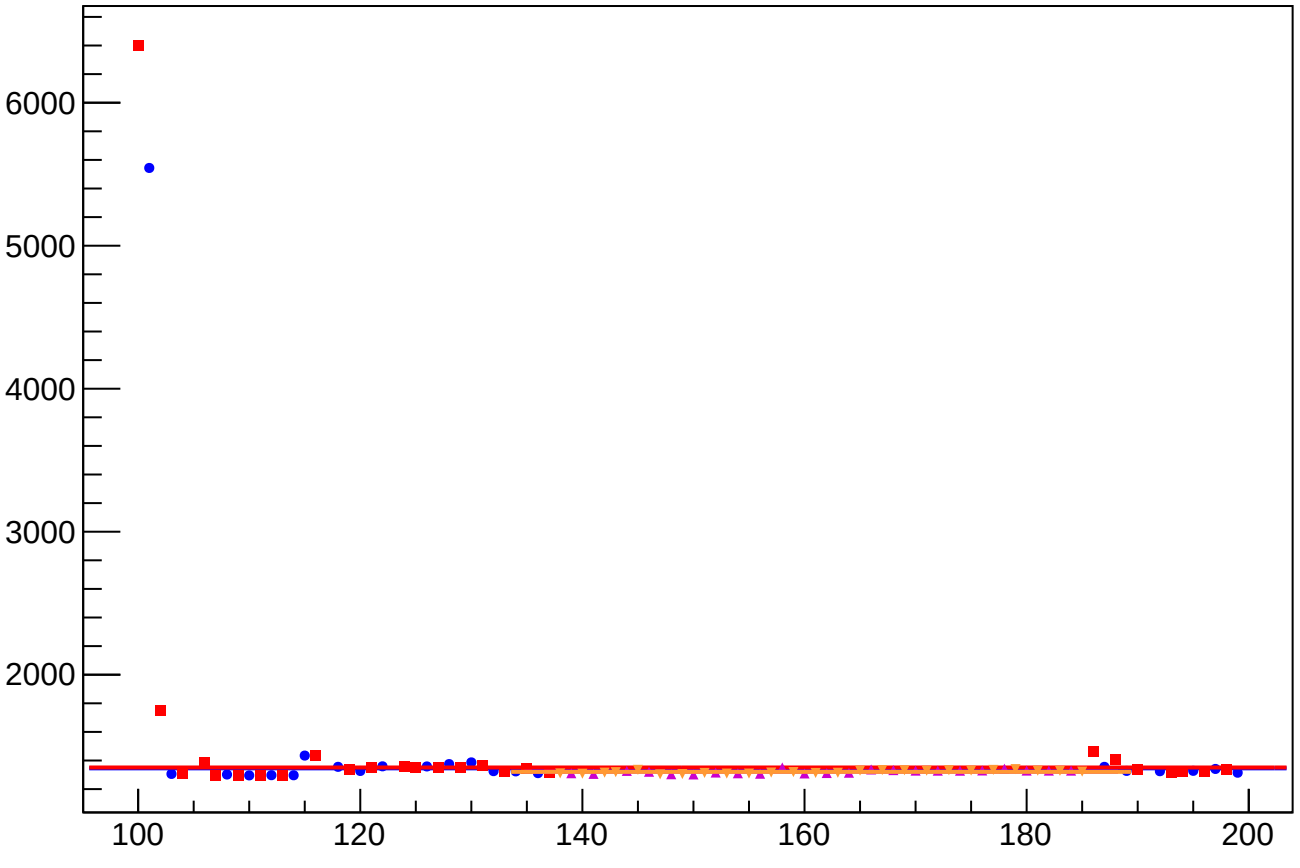
Left: -142.888+/-215.118 χ^2/NDF: 59.1/47

Right: -99.882+/-278.356 χ^2/NDF: 43.7/47

In: 14.864+/-244.936 χ^2/NDF:52.7/44

Out: -259.121+/-236.709 χ^2/NDF:49.4/50

All: -126.807+/-170.213 χ^2/NDF: 102.8/95



Right In: 1345.220+/-0.285 χ^2/NDF: 763130.1/21

Left Out: 1320.740+/-0.212 χ^2/NDF:2602.3/24

Right Out: 1351.194+/-0.272 χ^2/NDF: 158082.5/25

Left In: 1321.783+/-0.218 χ^2/NDF:3553.3/22

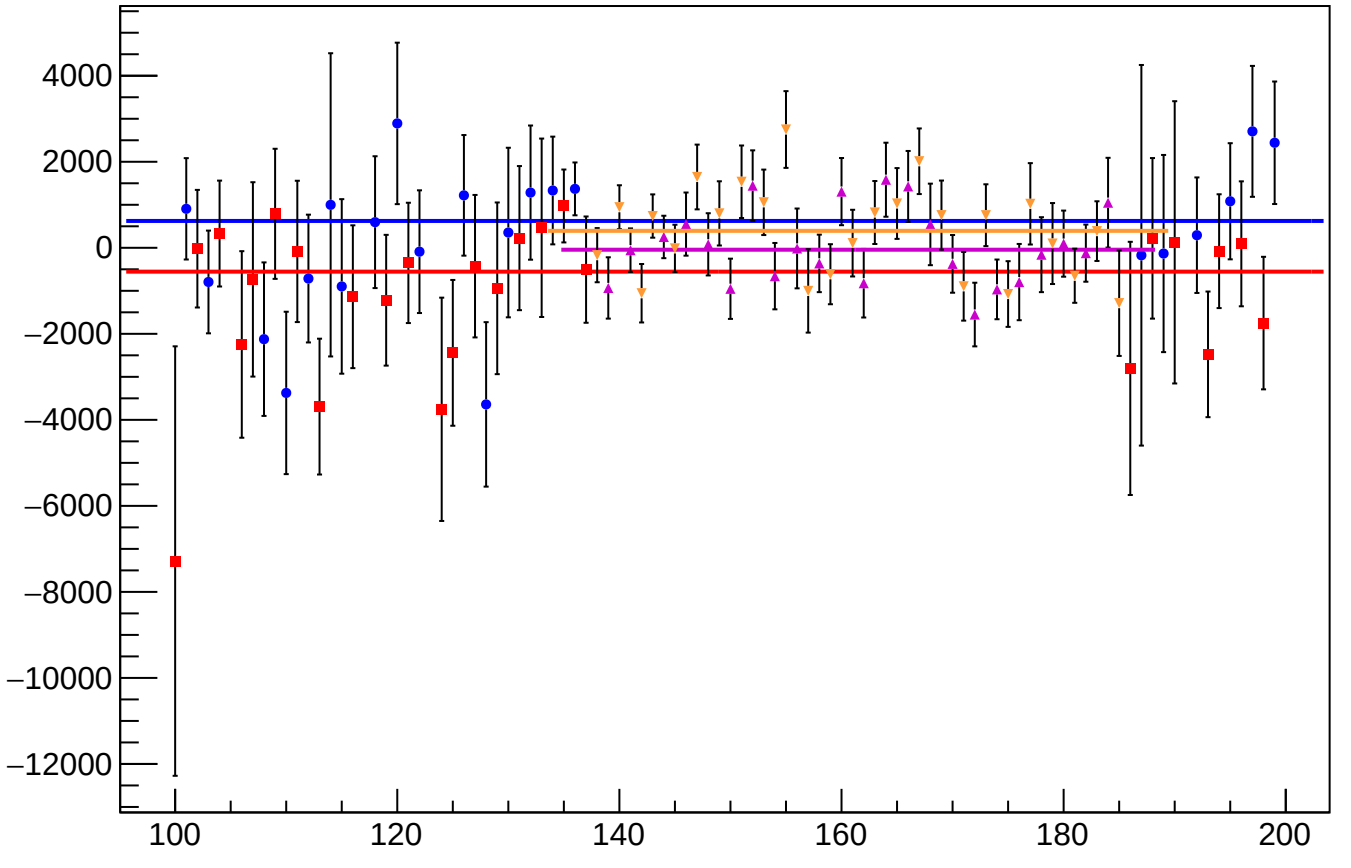
Left: 1321.247+/-0.152 χ^2/NDF: 6167.3/47

Right: 1348.338+/-0.197 χ^2/NDF: 921442.5/47

In: 1330.457+/-0.173 χ^2/NDF:770952.5/44

Out: 1332.236+/-0.167 χ^2/NDF:168463.9/50

All: 1331.377+/-0.120 χ^2/NDF: 939470.9/95



Right In: 624.239+/-301.489 χ^2/NDF: 22.4/21

Left Out: 394.522+/-144.562 χ^2/NDF:41.8/24

Right Out: -554.356+/-311.001 χ^2/NDF: 18.2/25

Left In: -44.766+/-152.332 χ^2/NDF:27.6/22

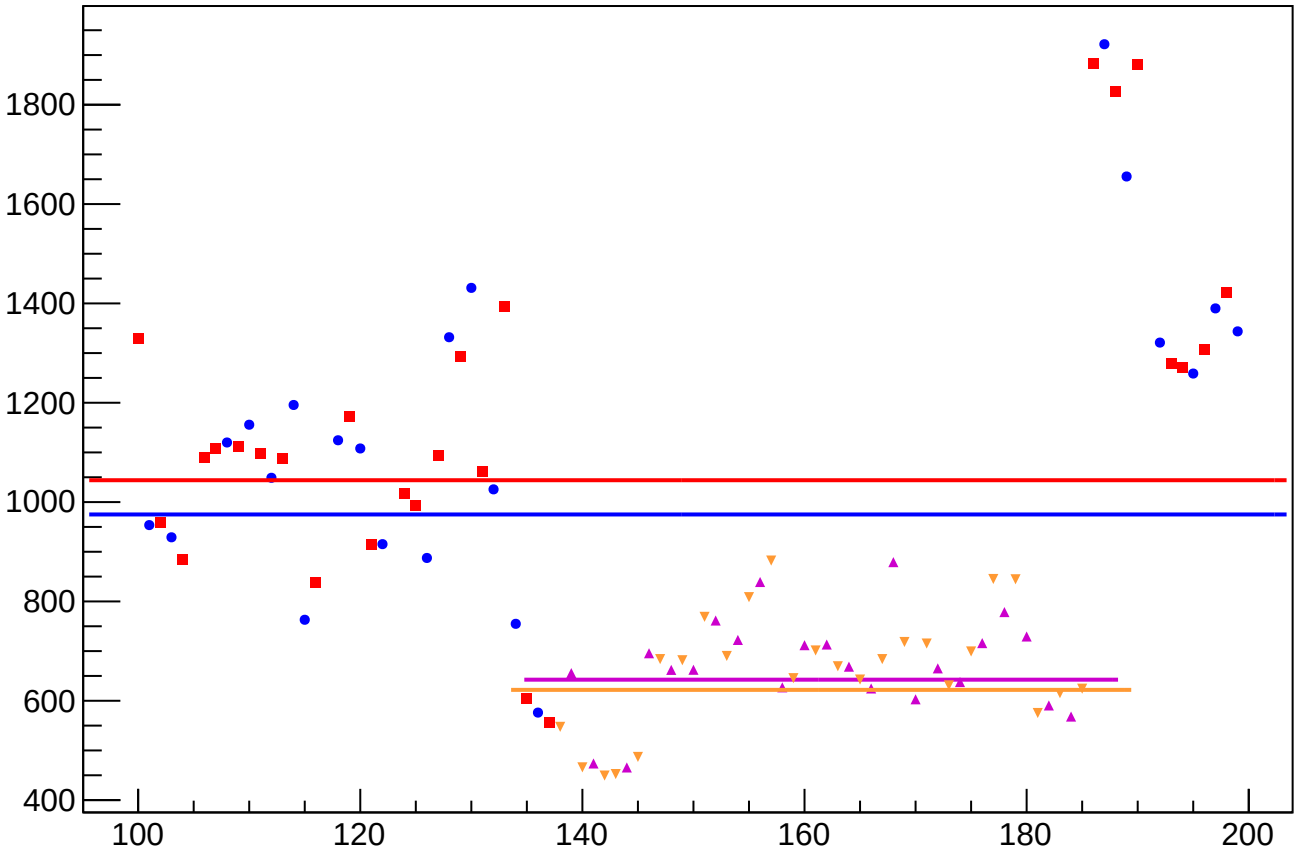
Left: 186.367+/-104.860 χ^2/NDF: 73.8/47

Right: 53.241+/-216.470 χ^2/NDF: 48.0/47

In: 91.291+/-135.962 χ^2/NDF:53.9/44

Out: 225.930+/-131.092 χ^2/NDF:67.7/50

All: 161.065+/-94.371 χ^2/NDF: 122.1/95



Right In: 975.094+/-0.213 χ^2/NDF: 1965805.1/21

Left Out: 621.950+/-0.102 χ^2/NDF:1383373.4/24

Right Out: 1044.034+/-0.220 χ^2/NDF: 2002799.7/25

Left In: 642.465+/-0.108 χ^2/NDF:926376.1/22

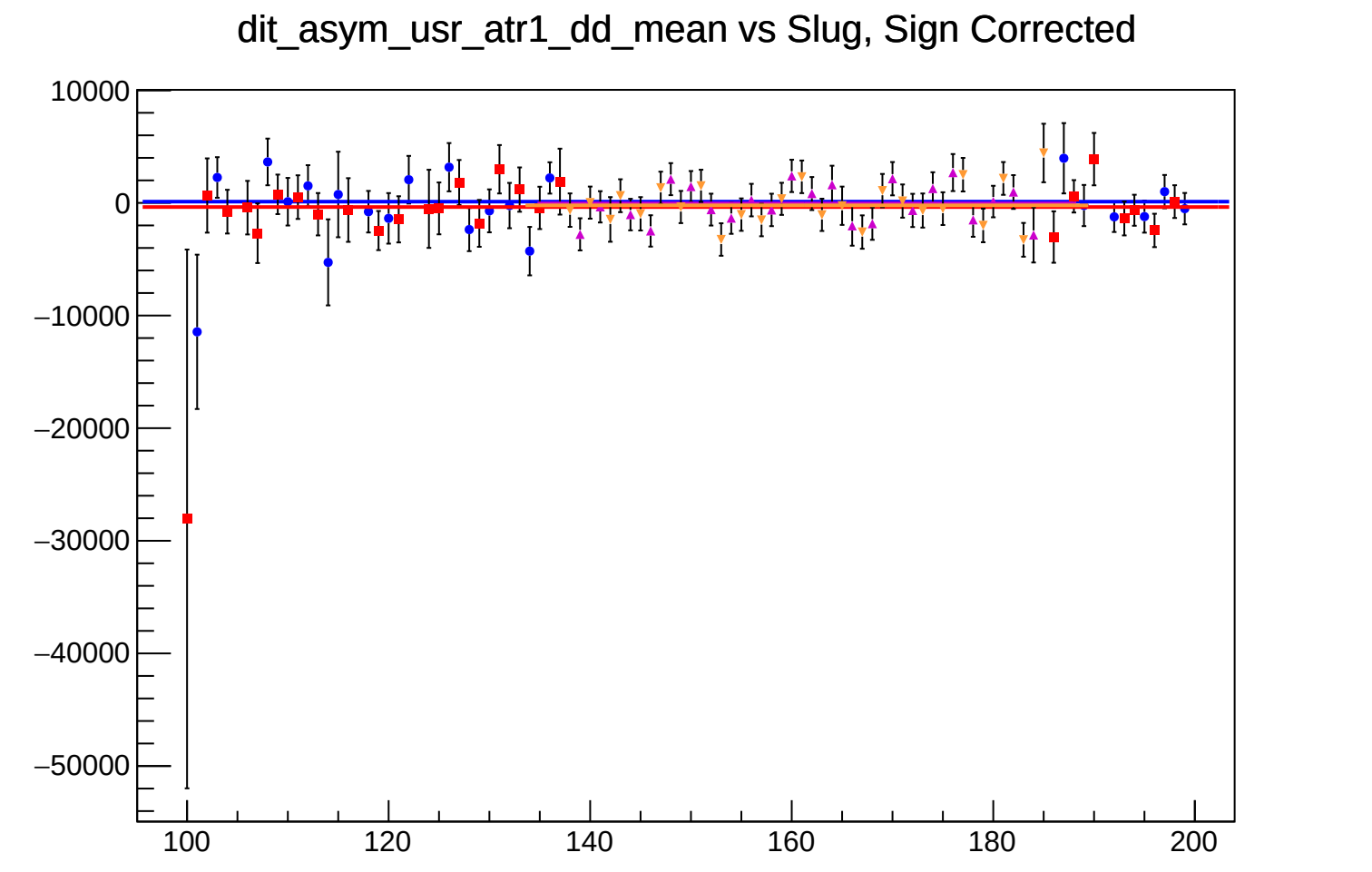
Left: 631.671+/-0.074 χ^2/NDF: 2328835.4/47

Right: 1008.493+/-0.153 χ^2/NDF: 4019269.0/47

In: 710.113+/-0.096 χ^2/NDF:4831546.4/44

Out: 696.944+/-0.093 χ^2/NDF:6415500.5/50

All: 703.288+/-0.067 χ^2/NDF: 11256770.4/95



Right In: 112.218+/-404.916 χ^2/NDF: 25.7/21

Left Out: -215.033+/-300.379 χ^2/NDF:31.3/24

Right Out: -367.686+/-388.246 χ^2/NDF: 17.8/25

Left In: -50.244+/-308.986 χ^2/NDF:27.8/22

Left: -134.966+/-215.379 χ^2/NDF: 59.2/47

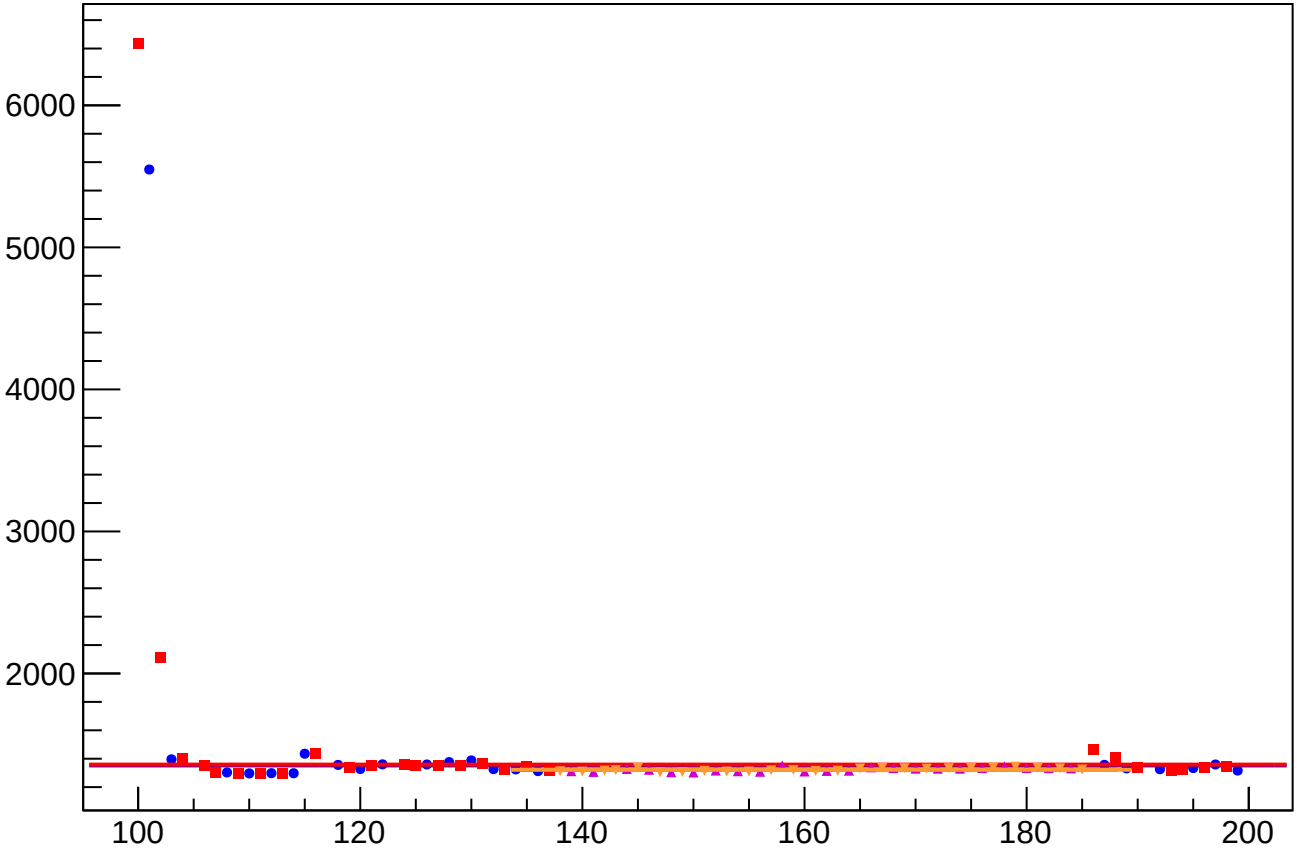
Right: -137.816+/-280.239 χ^2/NDF: 44.2/47

In: 9.544+/-245.638 χ^2/NDF:53.6/44

Out: -272.194+/-237.576 χ^2/NDF:49.2/50

All: -136.024+/-170.770 χ^2/NDF: 103.4/95

dit_asym_usr_atr1_dd_rms vs Slug, Sign Corrected



Right In: 1352.927+/-0.286 χ^2/NDF: 762848.1/21

Left Out: 1322.369+/-0.212 χ^2/NDF:2931.9/24

Right Out: 1358.439+/-0.275 χ^2/NDF: 215672.5/25

Left In: 1323.337+/-0.218 χ^2/NDF:3856.3/22

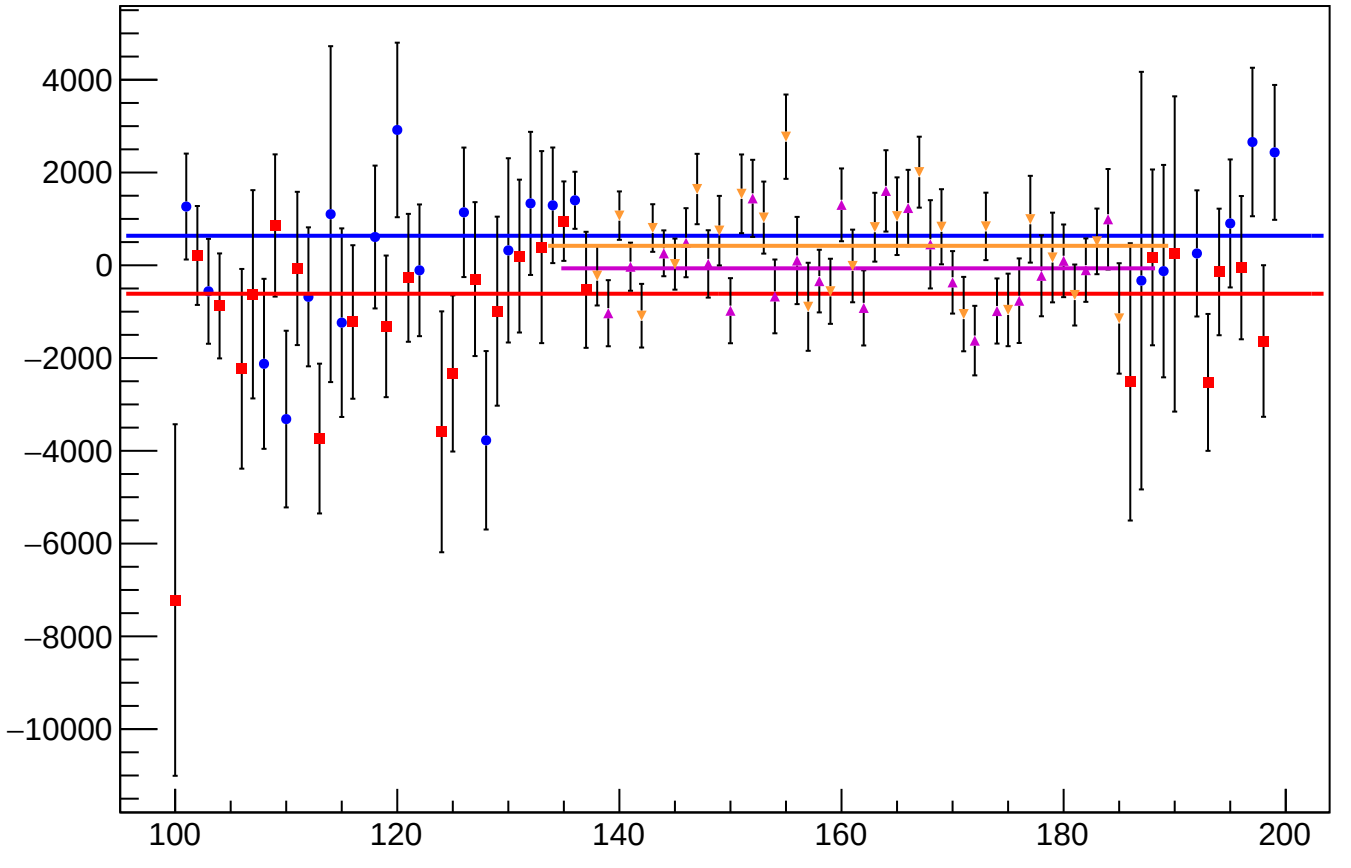
Left: 1322.839+/-0.152 χ^2/NDF: 6798.3/47

Right: 1355.799+/-0.198 χ^2/NDF: 978713.7/47

In: 1334.227+/-0.174 χ^2/NDF:773454.2/44

Out: 1335.875+/-0.168 χ^2/NDF:229403.4/50

All: 1335.078+/-0.121 χ^2/NDF: 1002904.1/95



Right In: 636.647+/-301.520 χ^2/NDF: 22.2/21

Left Out: 419.899+/-146.436 χ^2/NDF:41.5/24

Right Out: -613.353+/-306.934 χ^2/NDF: 18.6/25

Left In: -65.405+/-154.224 χ^2/NDF:27.0/22

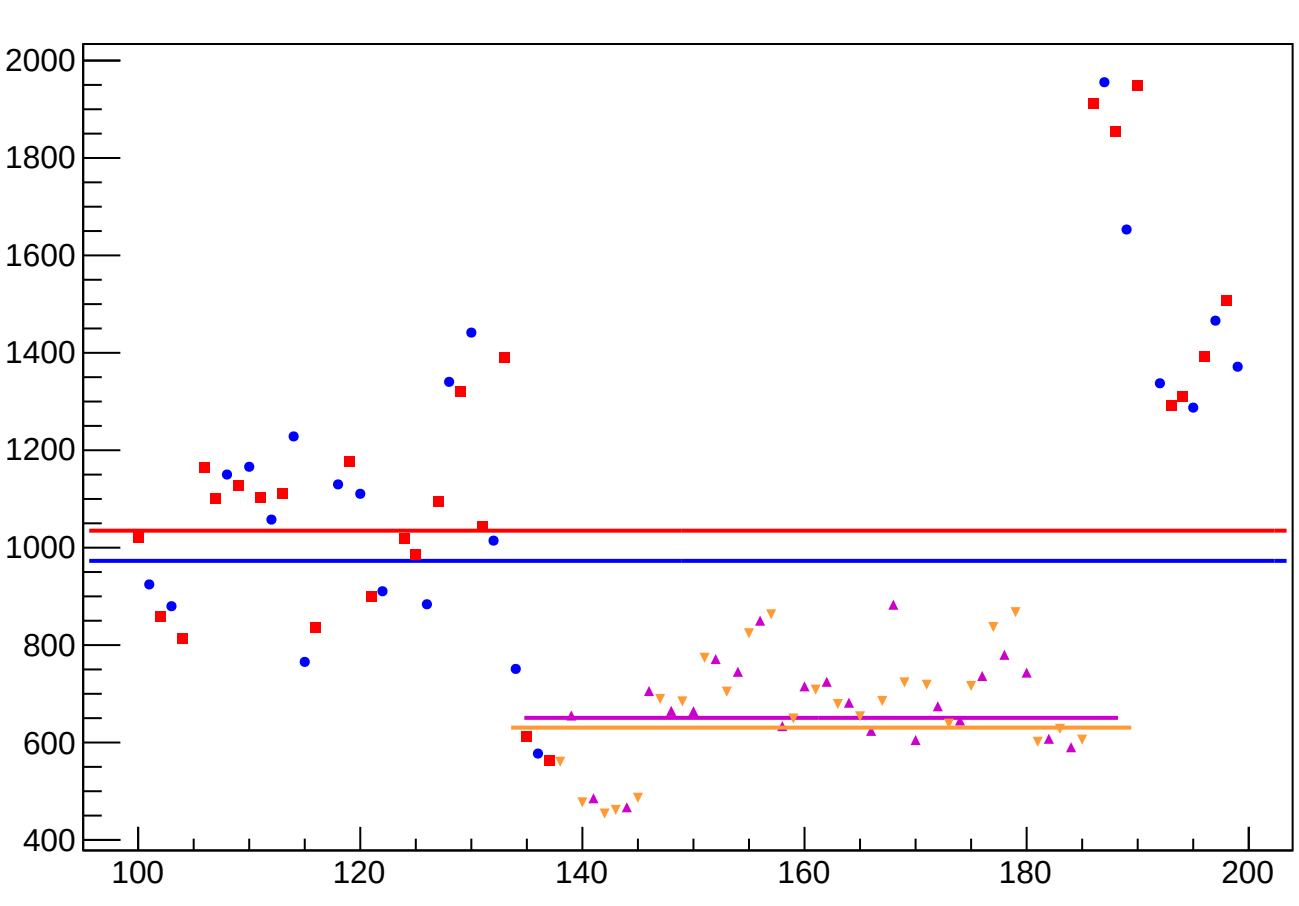
Left: 189.810+/-106.192 χ^2/NDF: 73.8/47

Right: 22.767+/-215.096 χ^2/NDF: 49.3/47

In: 80.179+/-137.306 χ^2/NDF:53.6/44

Out: 228.319+/-132.165 χ^2/NDF:69.4/50

All: 157.074+/-95.220 χ^2/NDF: 123.6/95



Right In: 972.923+/-0.213 χ^2/NDF: 2073134.7/21

Left Out: 630.592+/-0.104 χ^2/NDF:1328590.6/24

Right Out: 1034.912+/-0.217 χ^2/NDF: 2204411.7/25

Left In: 650.637+/-0.109 χ^2/NDF:922078.1/22

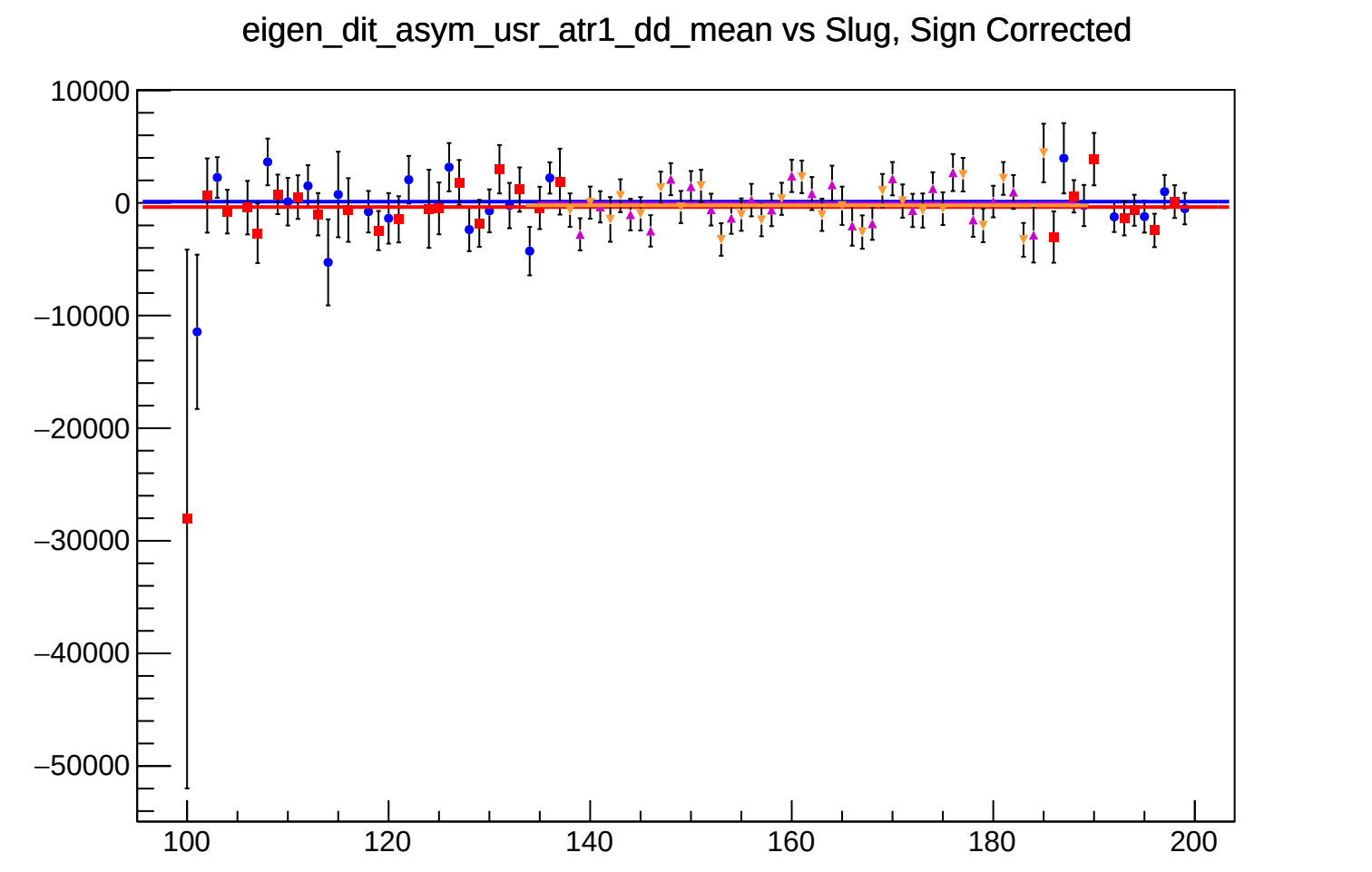
Left: 640.095+/-0.075 χ^2/NDF: 2268436.2/47

Right: 1003.366+/-0.152 χ^2/NDF: 4319061.2/47

In: 717.469+/-0.097 χ^2/NDF:4806349.5/44

Out: 705.558+/-0.093 χ^2/NDF:6360024.4/50

All: 711.287+/-0.067 χ^2/NDF: 11174185.4/95



Right In: 112.217+/-404.916 χ^2/NDF: 25.7/21

Left Out: -215.035+/-300.379 χ^2/NDF:31.3/24

Right Out: -367.684+/-388.246 χ^2/NDF: 17.8/25

Left In: -50.244+/-308.986 χ^2/NDF:27.8/22

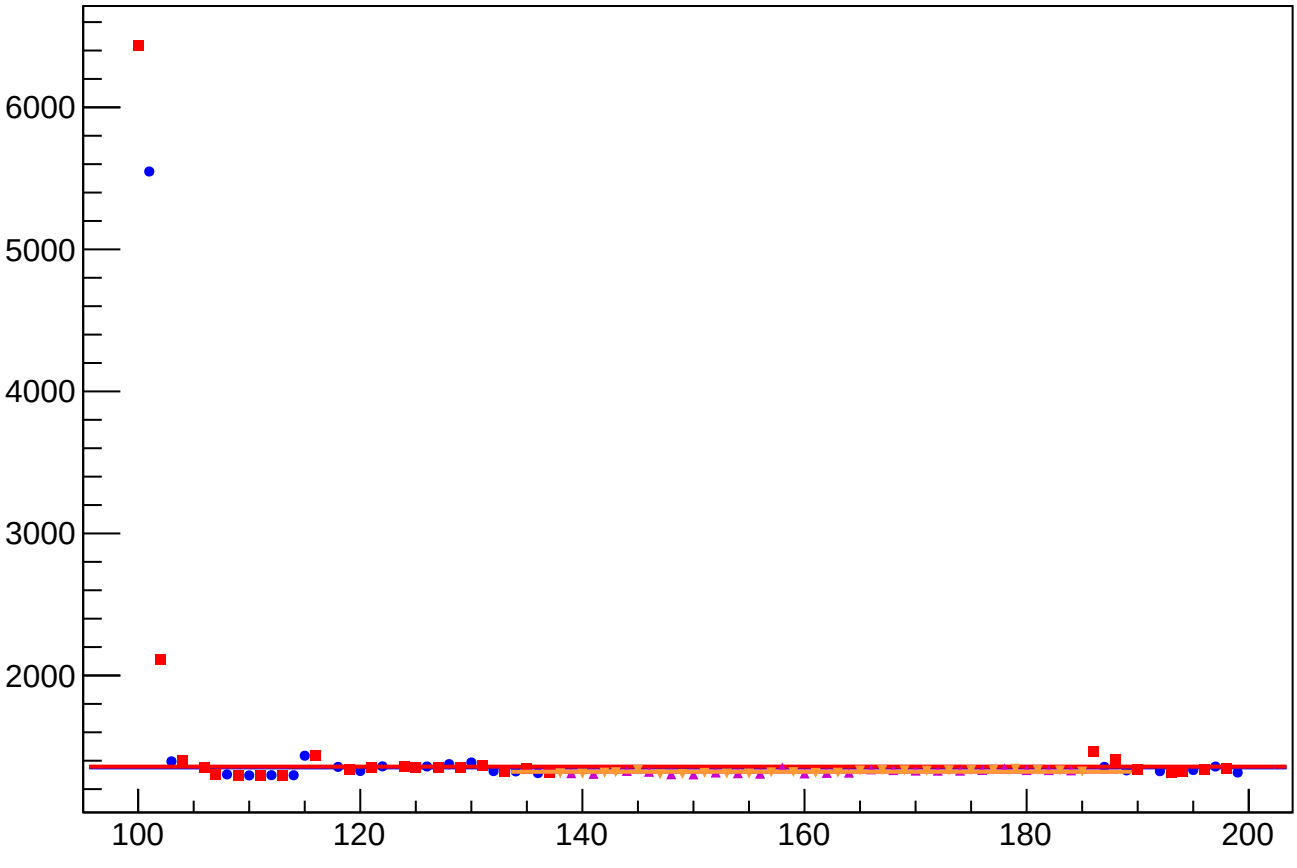
Left: -134.967+/-215.379 χ^2/NDF: 59.2/47

Right: -137.815+/-280.239 χ^2/NDF: 44.2/47

In: 9.543+/-245.638 χ^2/NDF:53.6/44

Out: -272.194+/-237.576 χ^2/NDF:49.2/50

All: -136.024+/-170.770 χ^2/NDF: 103.4/95



Right In: 1352.927+/-0.286 χ^2/NDF: 762848.1/21

Left Out: 1322.369+/-0.212 χ^2/NDF:2931.9/24

Right Out: 1358.439+/-0.275 χ^2/NDF: 215672.4/25

Left In: 1323.337+/-0.218 χ^2/NDF:3856.3/22

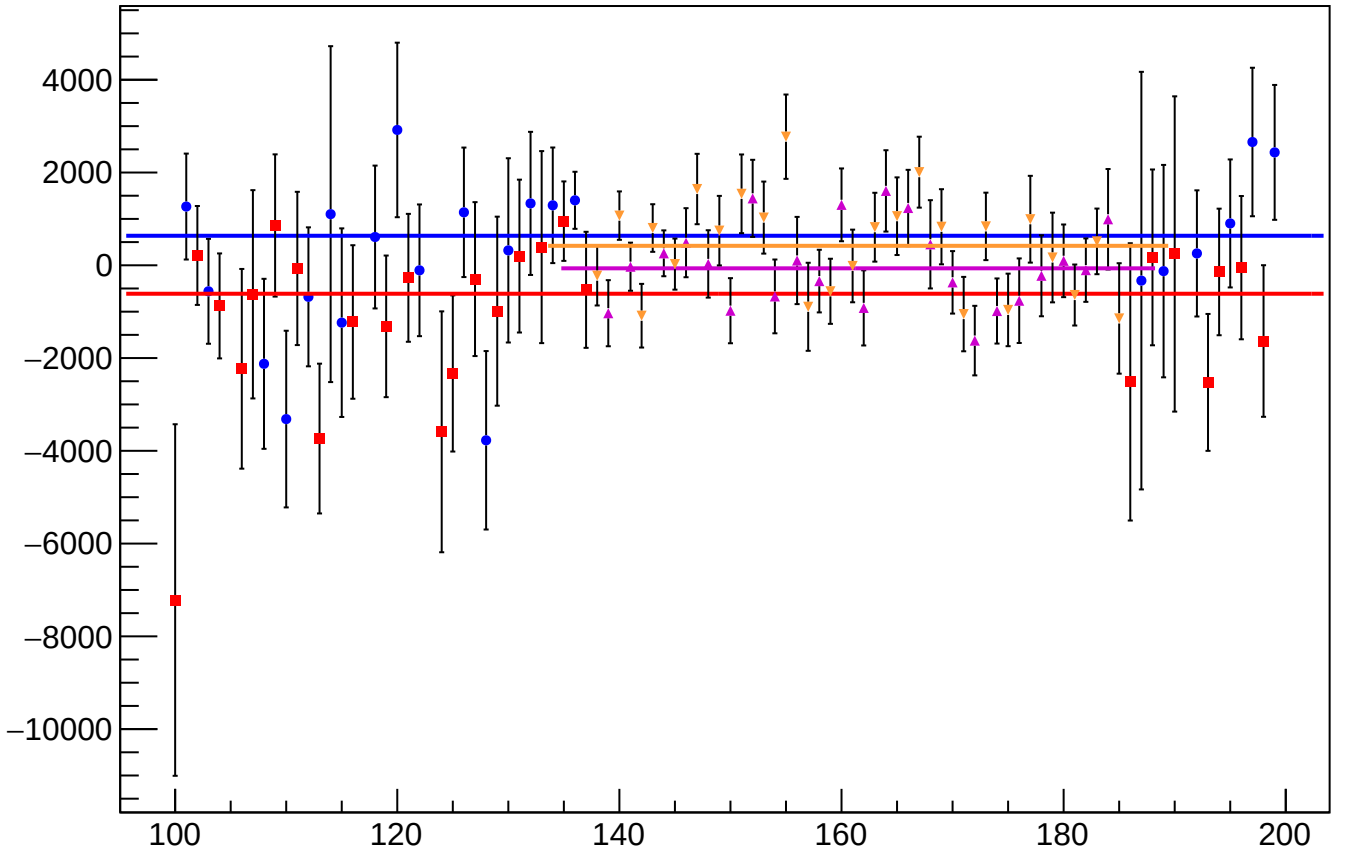
Left: 1322.839+/-0.152 χ^2/NDF: 6798.3/47

Right: 1355.799+/-0.198 χ^2/NDF: 978713.6/47

In: 1334.227+/-0.174 χ^2/NDF:773454.1/44

Out: 1335.875+/-0.168 χ^2/NDF:229403.3/50

All: 1335.078+/-0.121 χ^2/NDF: 1002904.0/95



Right In: 636.644+/-301.520 χ^2/NDF: 22.2/21

Left Out: 419.899+/-146.436 χ^2/NDF:41.5/24

Right Out: -613.353+/-306.933 χ^2/NDF: 18.6/25

Left In: -65.405+/-154.225 χ^2/NDF:27.0/22

Left: 189.810+/-106.193 χ^2/NDF: 73.8/47

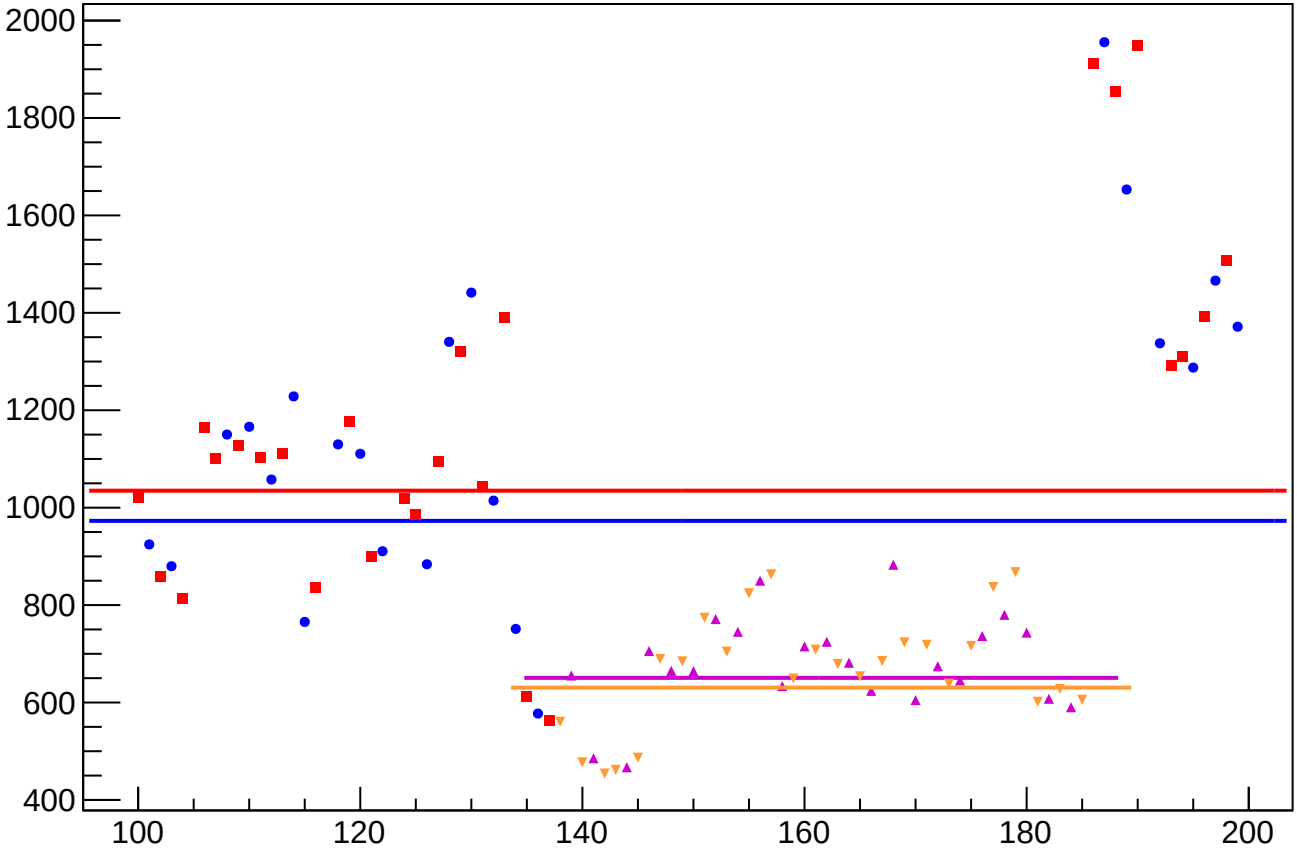
Right: 22.766+/-215.095 χ^2/NDF: 49.3/47

In: 80.179+/-137.306 χ^2/NDF:53.6/44

Out: 228.319+/-132.165 χ^2/NDF:69.4/50

All: 157.074+/-95.220 χ^2/NDF: 123.6/95

asym_usr_atr1_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 972.921+/-0.213 χ^2/NDF: 2073139.9/21

Left Out: 630.592+/-0.104 χ^2/NDF:1328610.2/24

Right Out: 1034.910+/-0.217 χ^2/NDF: 2204413.1/25

Left In: 650.638+/-0.109 χ^2/NDF:922087.6/22

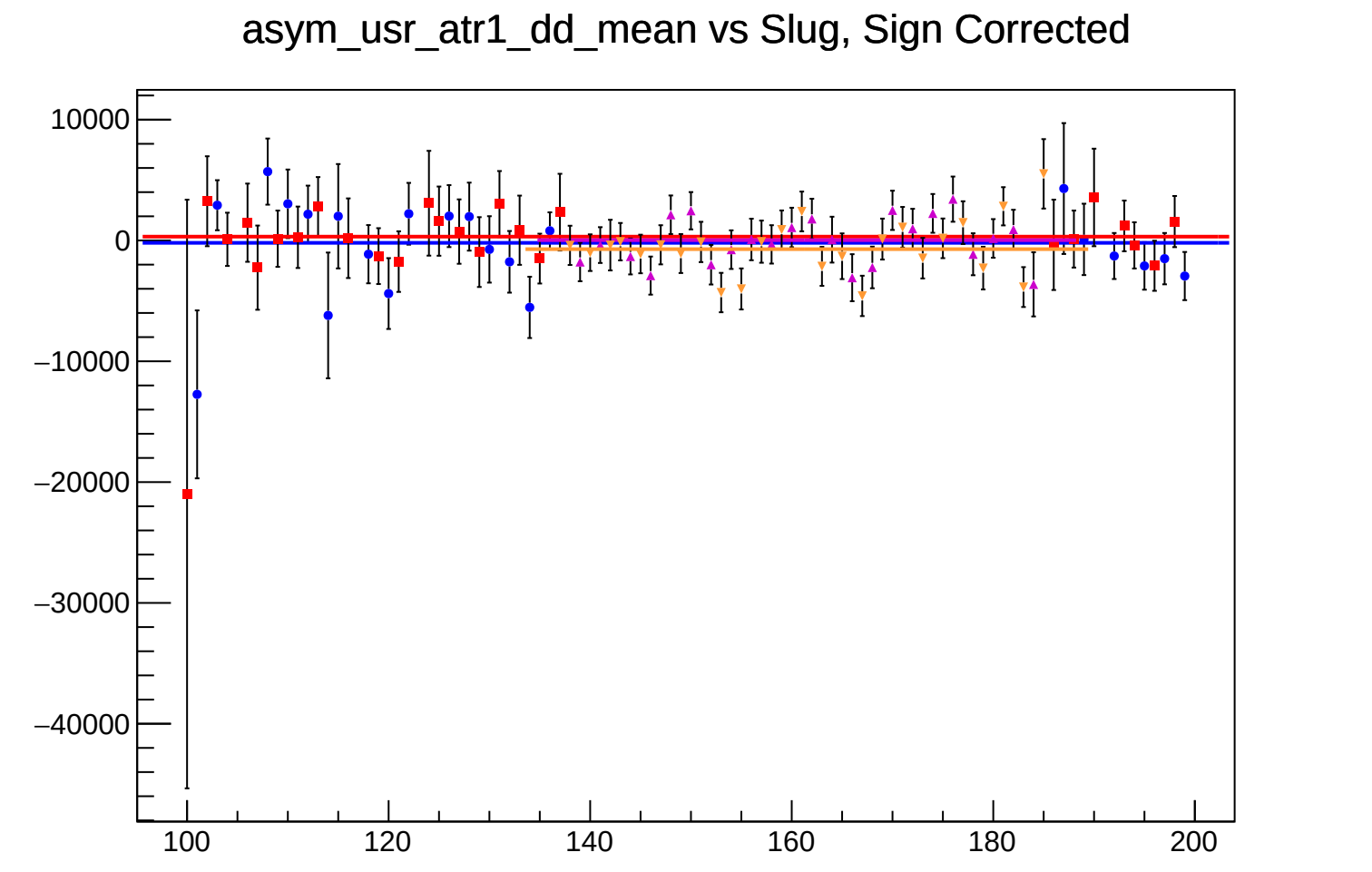
Left: 640.096+/-0.075 χ^2/NDF: 2268466.1/47

Right: 1003.364+/-0.152 χ^2/NDF: 4319068.5/47

In: 717.470+/-0.097 χ^2/NDF:4806329.9/44

Out: 705.559+/-0.093 χ^2/NDF:6360017.0/50

All: 711.287+/-0.067 χ^2/NDF: 11174158.8/95



Right In: -196.907+/-532.330 χ^2/NDF: 28.0/21

Left Out: -718.291+/-337.578 χ^2/NDF:37.7/24

Right Out: 317.163+/-520.218 χ^2/NDF: 10.0/25

Left In: 27.514+/-347.415 χ^2/NDF:28.0/22

Left: -356.097+/-242.106 χ^2/NDF: 68.1/47

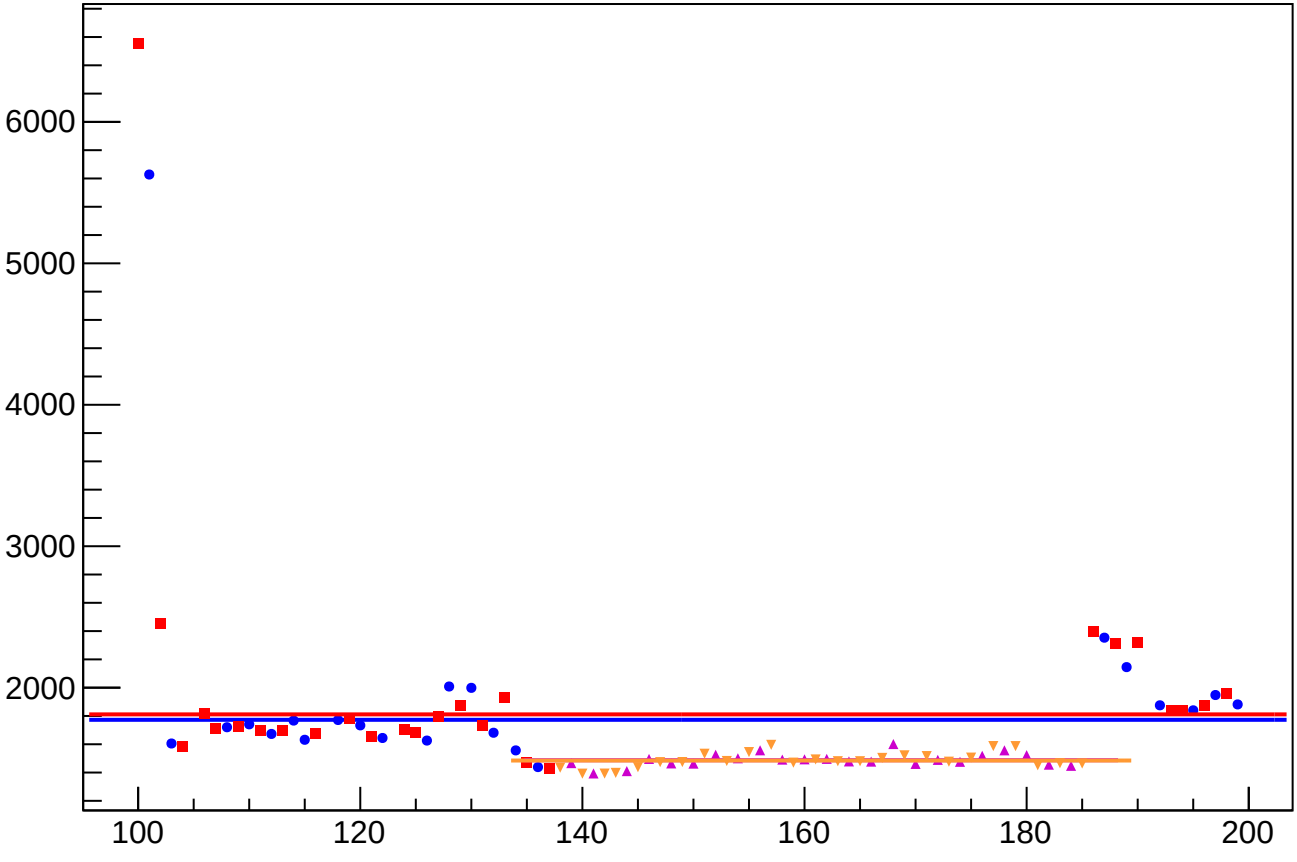
Right: 66.043+/-372.058 χ^2/NDF: 38.5/47

In: -39.521+/-290.937 χ^2/NDF:56.1/44

Out: -411.470+/-283.180 χ^2/NDF:50.5/50

All: -230.520+/-202.926 χ^2/NDF: 107.5/95

asym_usr_atr1_dd_rms vs Slug, Sign Corrected



Right In: 1772.819+/-0.376 χ^2/NDF: 870220.7/21

Left Out: 1484.960+/-0.239 χ^2/NDF:50905.1/24

Right Out: 1811.185+/-0.368 χ^2/NDF: 458106.4/25

Left In: 1487.112+/-0.246 χ^2/NDF:34817.2/22

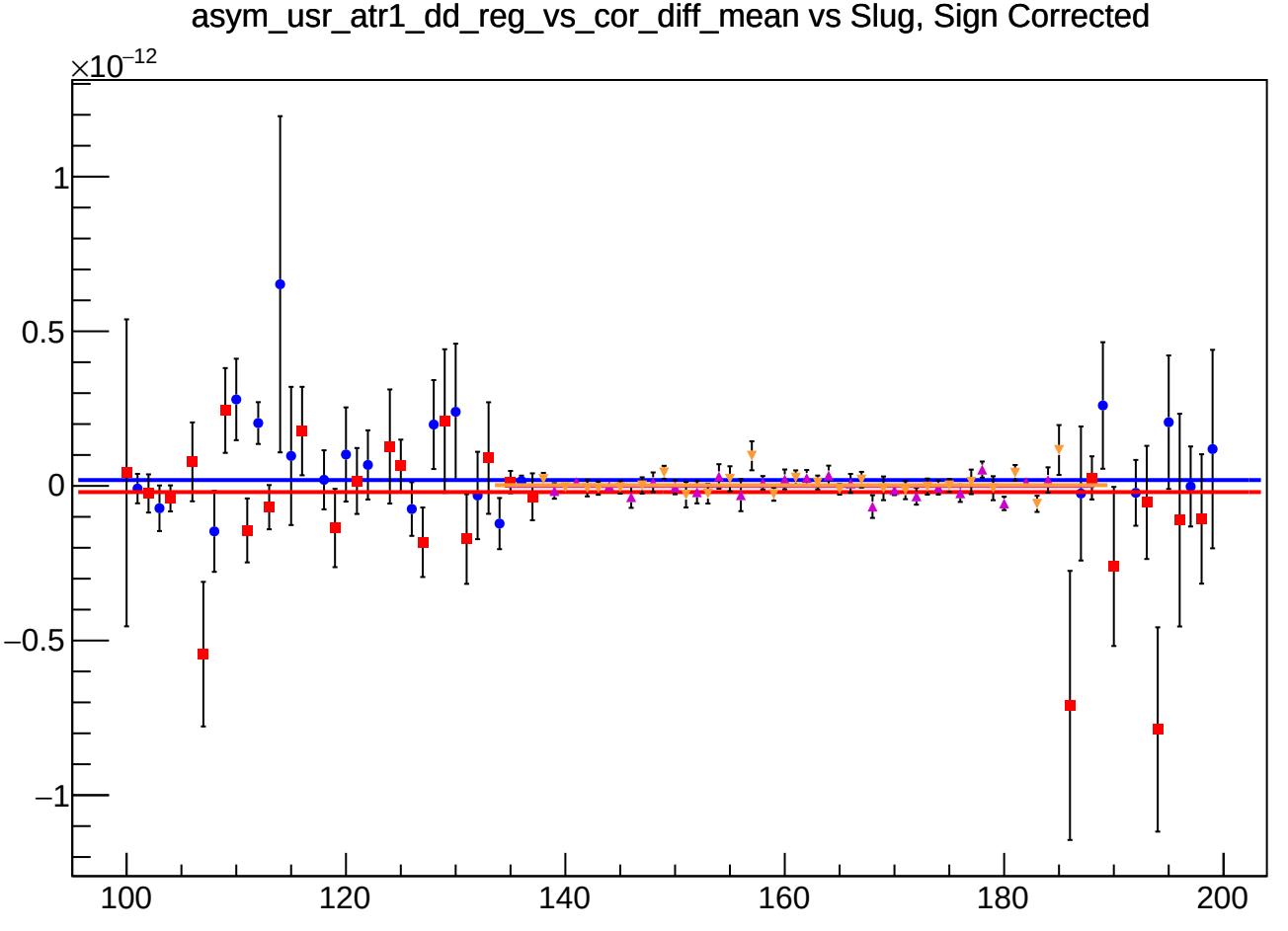
Left: 1486.005+/-0.171 χ^2/NDF: 85761.8/47

Right: 1792.443+/-0.263 χ^2/NDF: 1333641.0/47

In: 1572.453+/-0.206 χ^2/NDF:1309066.2/44

Out: 1581.626+/-0.200 χ^2/NDF:1062453.4/50

All: 1577.164+/-0.143 χ^2/NDF: 2372540.5/95



Right In: 0.000+/-0.000 χ^2/NDF: 26.0/21

Left Out: 0.000+/-0.000 χ^2/NDF:25.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 30.8/25

Left In: -0.000+/-0.000 χ^2/NDF:24.9/22

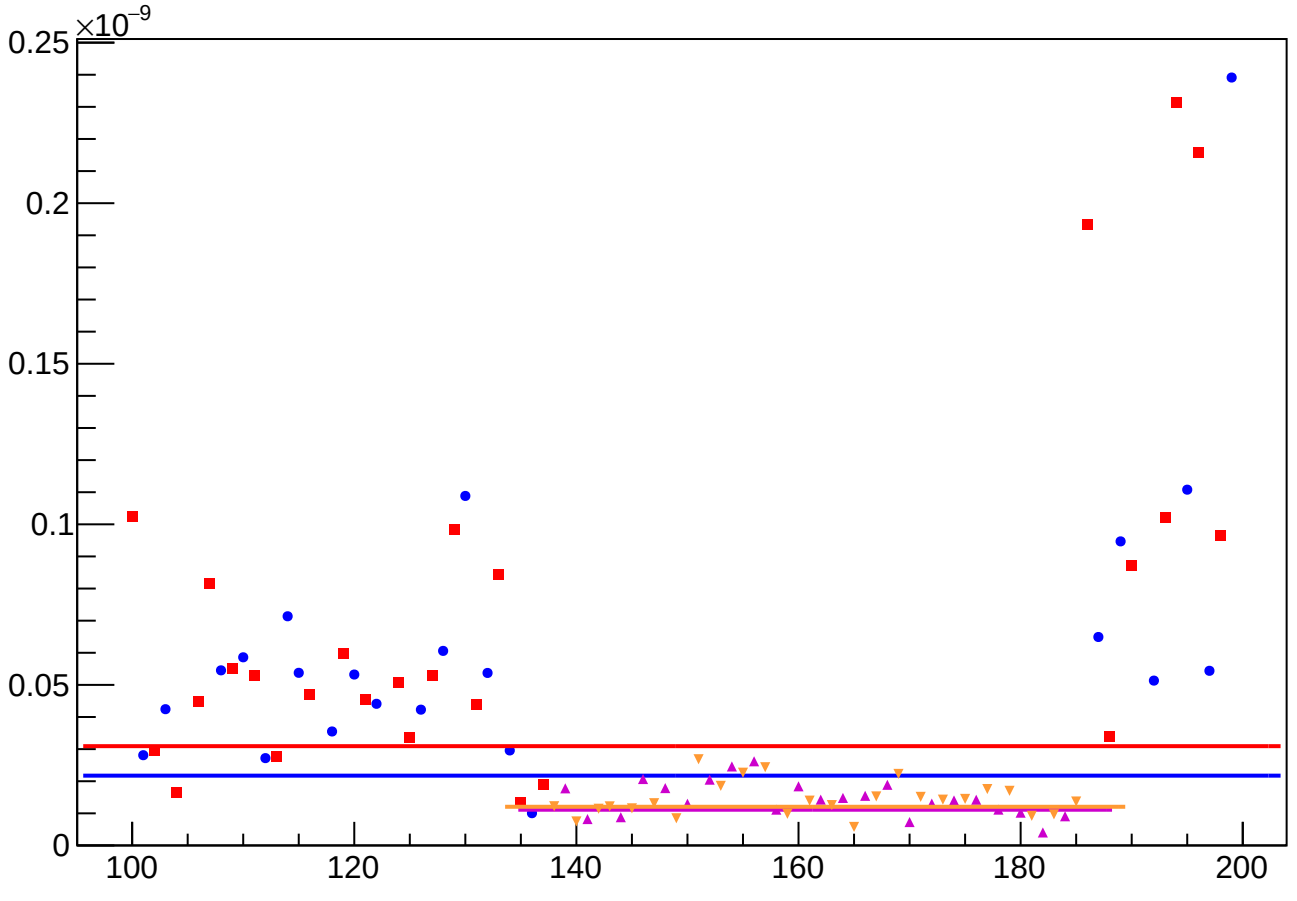
Left: 0.000+/-0.000 χ^2/NDF: 50.5/47

Right: 0.000+/-0.000 χ^2/NDF: 59.7/47

In: 0.000+/-0.000 χ^2/NDF:52.6/44

Out: 0.000+/-0.000 χ^2/NDF:57.7/50

All: 0.000+/-0.000 χ^2/NDF: 110.3/95



Right In: 0.000+/-0.000 χ^2/NDF: 4200259.4/21

Left Out: 0.000+/-0.000 χ^2/NDF:1520224.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3907538.1/25

Left In: 0.000+/-0.000 χ^2/NDF:2209676.2/22

Left: 0.000+/-0.000 χ^2/NDF: 3765014.8/47

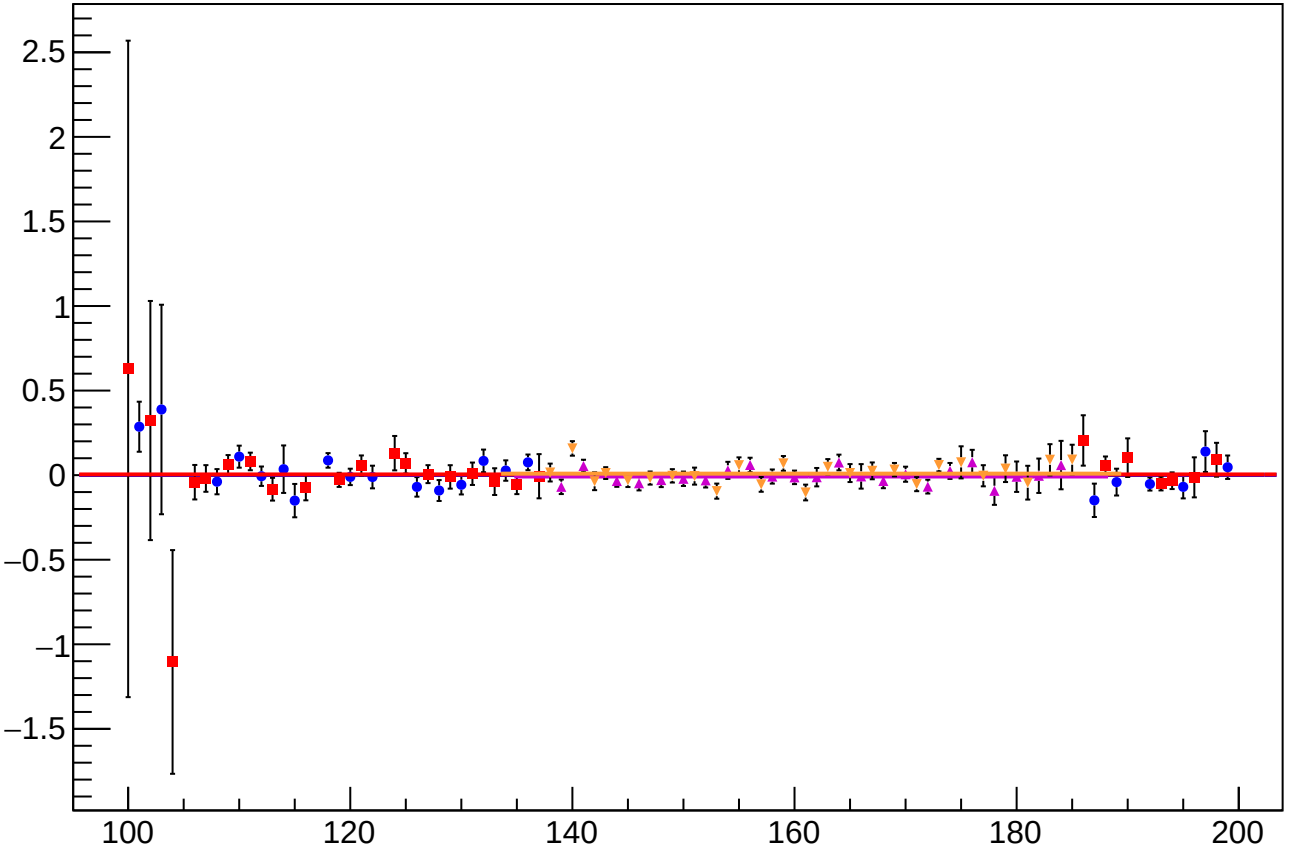
Right: 0.000+/-0.000 χ^2/NDF: 8427946.8/47

In: 0.000+/-0.000 χ^2/NDF:7429297.3/44

Out: 0.000+/-0.000 χ^2/NDF:7439537.1/50

All: 0.000+/-0.000 χ^2/NDF: 14924339.5/95

asym_usr_atr1_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.001+/-0.014 χ^2/NDF: 30.0/21

Left Out: 0.009+/-0.010 χ^2/NDF:38.6/24

Right Out: 0.004+/-0.013 χ^2/NDF: 21.8/25

Left In: -0.008+/-0.010 χ^2/NDF:18.9/22

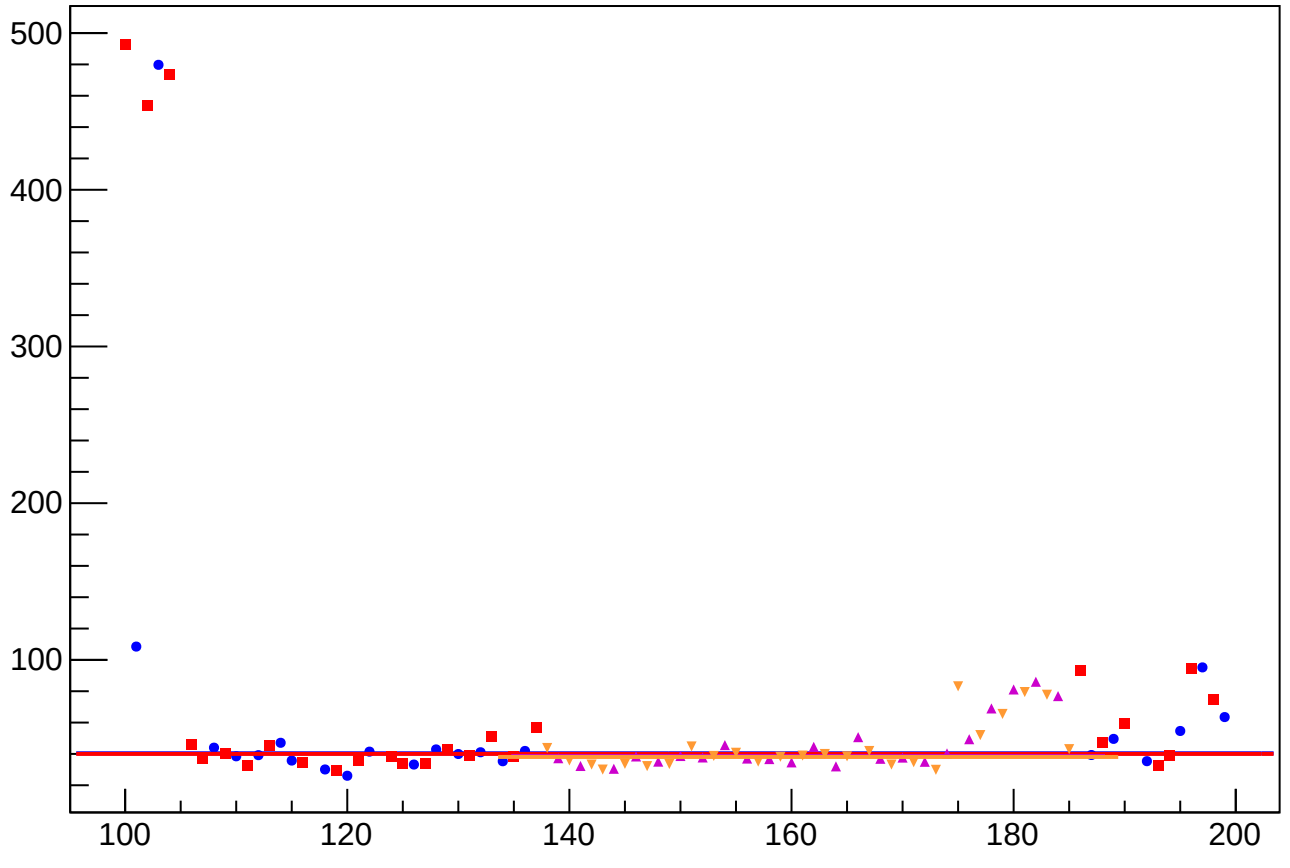
Left: 0.001+/-0.007 χ^2/NDF: 59.0/47

Right: 0.003+/-0.010 χ^2/NDF: 51.8/47

In: -0.005+/-0.008 χ^2/NDF:49.2/44

Out: 0.007+/-0.008 χ^2/NDF:60.4/50

All: 0.001+/-0.006 χ^2/NDF: 110.8/95



Right In: 40.392+/-0.010 χ^2/NDF: 2571024.3/21

Left Out: 38.067+/-0.007 χ^2/NDF:1967115.3/24

Right Out: 40.009+/-0.009 χ^2/NDF: 3084254.7/25

Left In: 38.630+/-0.007 χ^2/NDF:1727664.7/22

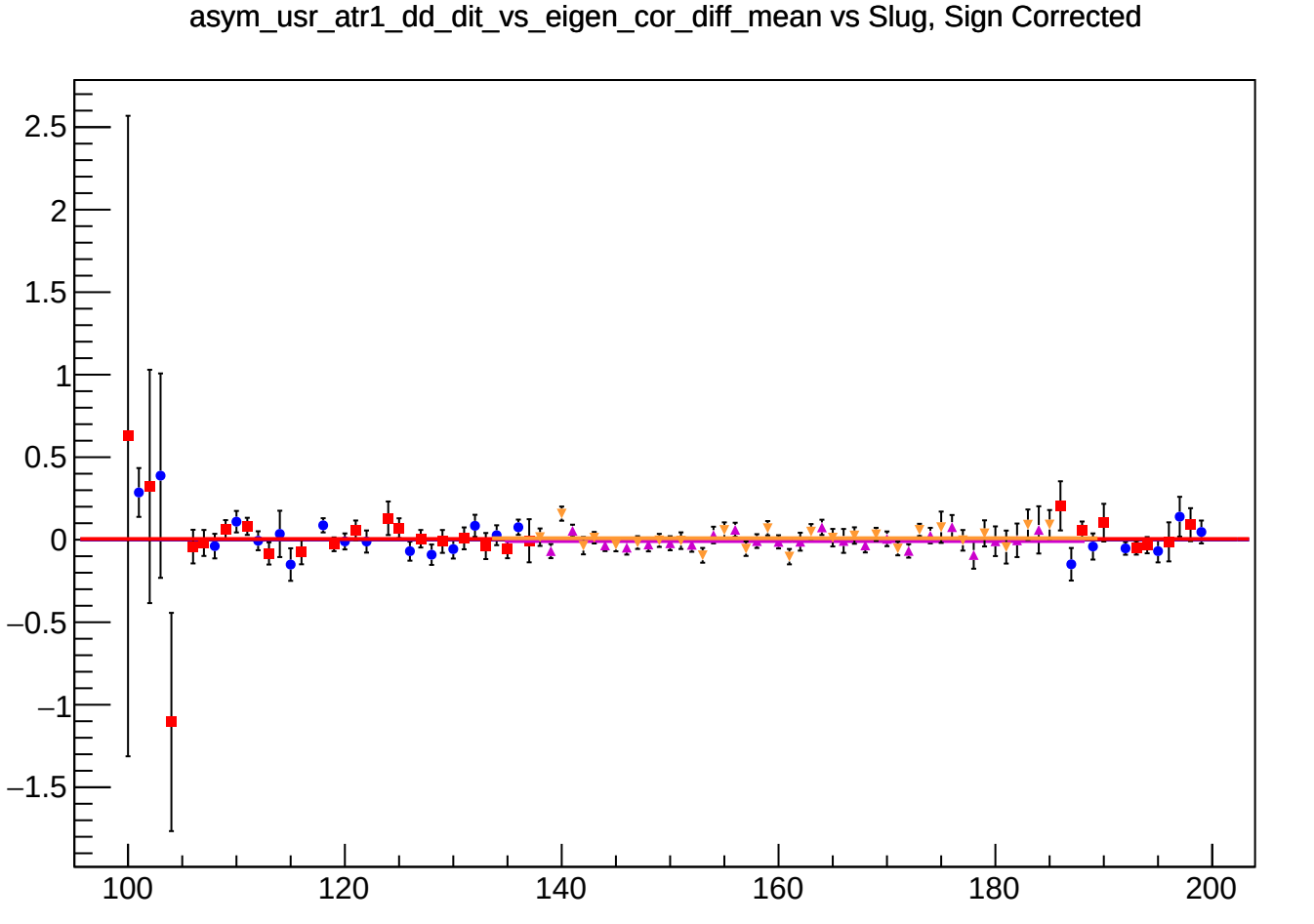
Left: 38.339+/-0.005 χ^2/NDF: 3698113.4/47

Right: 40.197+/-0.007 χ^2/NDF: 5656079.3/47

In: 39.238+/-0.006 χ^2/NDF:4320479.6/44

Out: 38.724+/-0.006 χ^2/NDF:5079239.6/50

All: 38.973+/-0.004 χ^2/NDF: 9403939.1/95



Right In: 0.001+/-0.014 χ^2/NDF: 30.0/21

Left Out: 0.009+/-0.010 χ^2/NDF:38.6/24

Right Out: 0.004+/-0.013 χ^2/NDF: 21.8/25

Left In: -0.008+/-0.010 χ^2/NDF:18.9/22

Left: 0.001+/-0.007 χ^2/NDF: 59.0/47

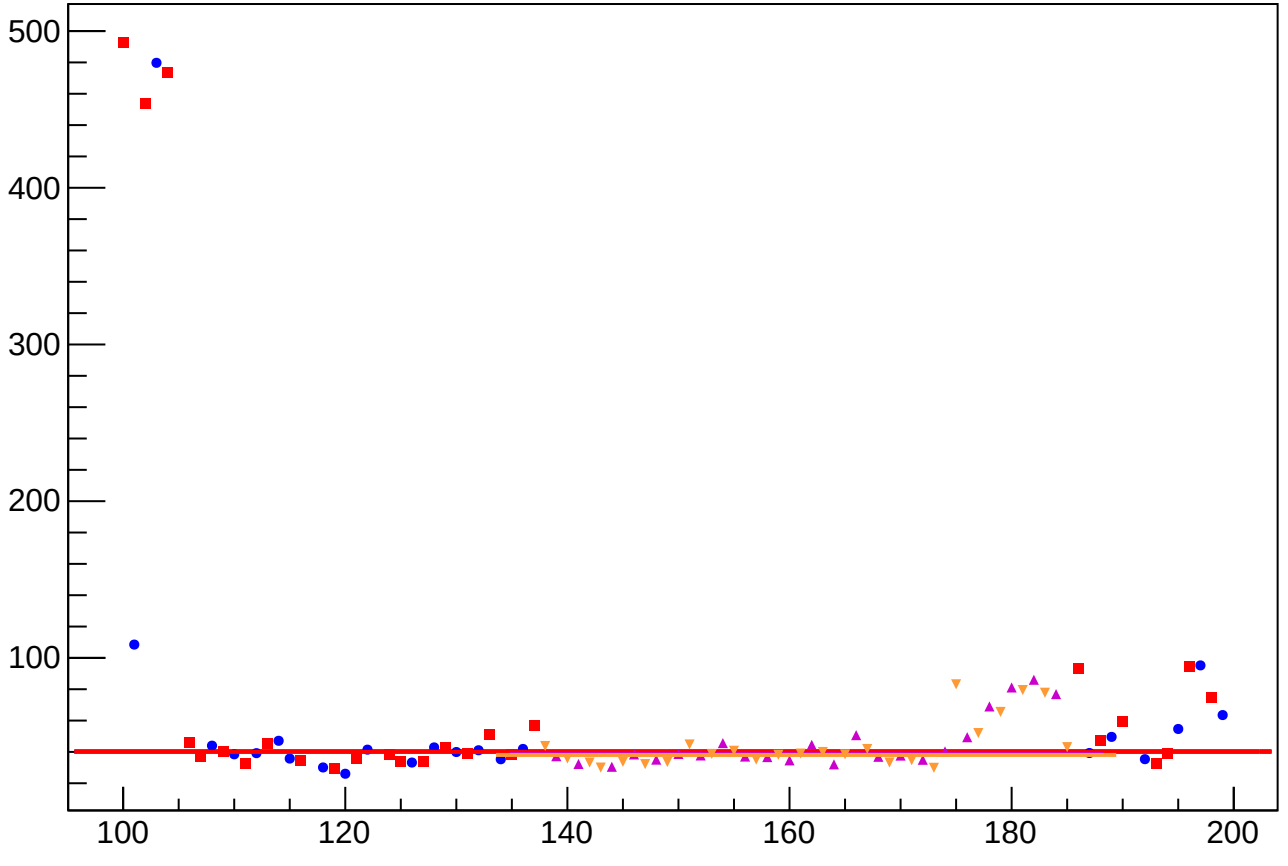
Right: 0.003+/-0.010 χ^2/NDF: 51.8/47

In: -0.005+/-0.008 χ^2/NDF:49.2/44

Out: 0.007+/-0.008 χ^2/NDF:60.4/50

All: 0.001+/-0.006 χ^2/NDF: 110.8/95

asym_usr_atr1_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 40.392+/-0.010 χ^2/NDF: 2571024.3/21

Left Out: 38.067+/-0.007 χ^2/NDF:1967115.3/24

Right Out: 40.009+/-0.009 χ^2/NDF: 3084254.7/25

Left In: 38.630+/-0.007 χ^2/NDF:1727664.7/22

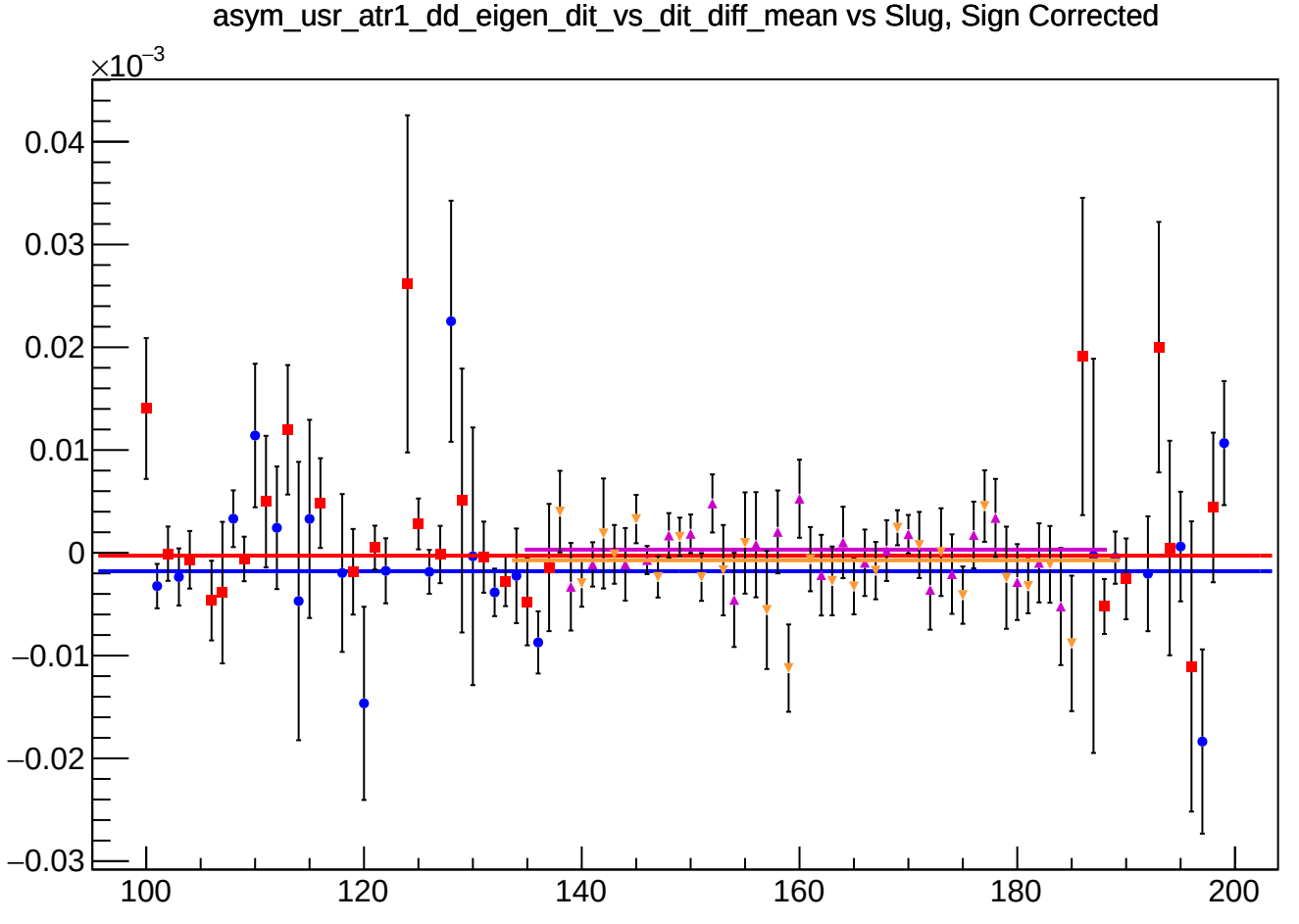
Left: 38.339+/-0.005 χ^2/NDF: 3698113.4/47

Right: 40.197+/-0.007 χ^2/NDF: 5656079.3/47

In: 39.238+/-0.006 χ^2/NDF:4320479.6/44

Out: 38.724+/-0.006 χ^2/NDF:5079239.6/50

All: 38.973+/-0.004 χ^2/NDF: 9403939.1/95



Right In: -0.000+/-0.000 χ^2/NDF: 28.7/21

Left Out: -0.000+/-0.000 χ^2/NDF:26.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 27.7/25

Left In: 0.000+/-0.000 χ^2/NDF:13.8/22

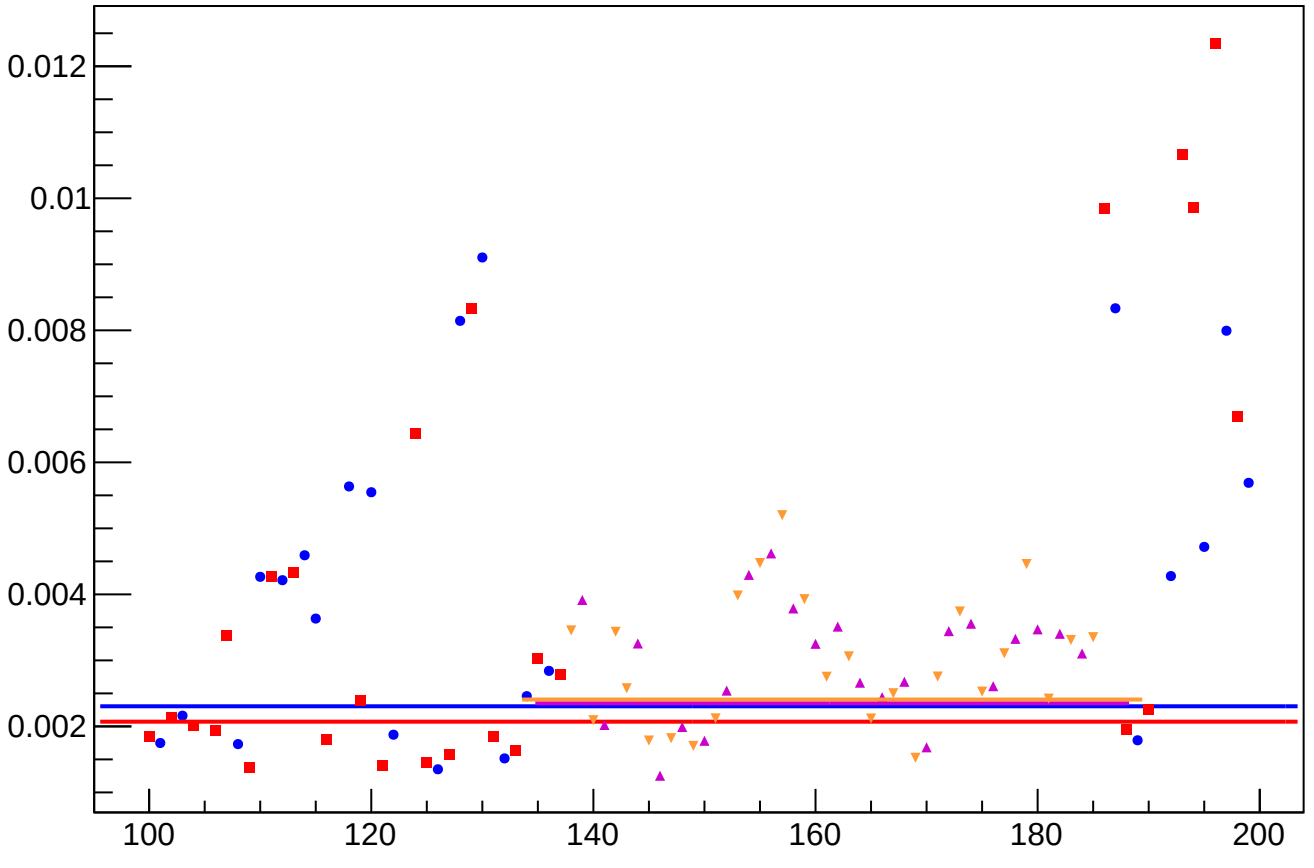
Left: -0.000+/-0.000 χ^2/NDF: 41.9/47

Right: -0.000+/-0.000 χ^2/NDF: 58.3/47

In: -0.000+/-0.000 χ^2/NDF:46.8/44

Out: -0.000+/-0.000 χ^2/NDF:54.5/50

All: -0.000+/-0.000 χ^2/NDF: 101.3/95



Right In: 0.002+/-0.000 χ^2/NDF: 5490796.7/21

Left Out: 0.002+/-0.000 χ^2/NDF:3682960.0/24

Right Out: 0.002+/-0.000 χ^2/NDF: 6490542.3/25

Left In: 0.002+/-0.000 χ^2/NDF:4438139.5/22

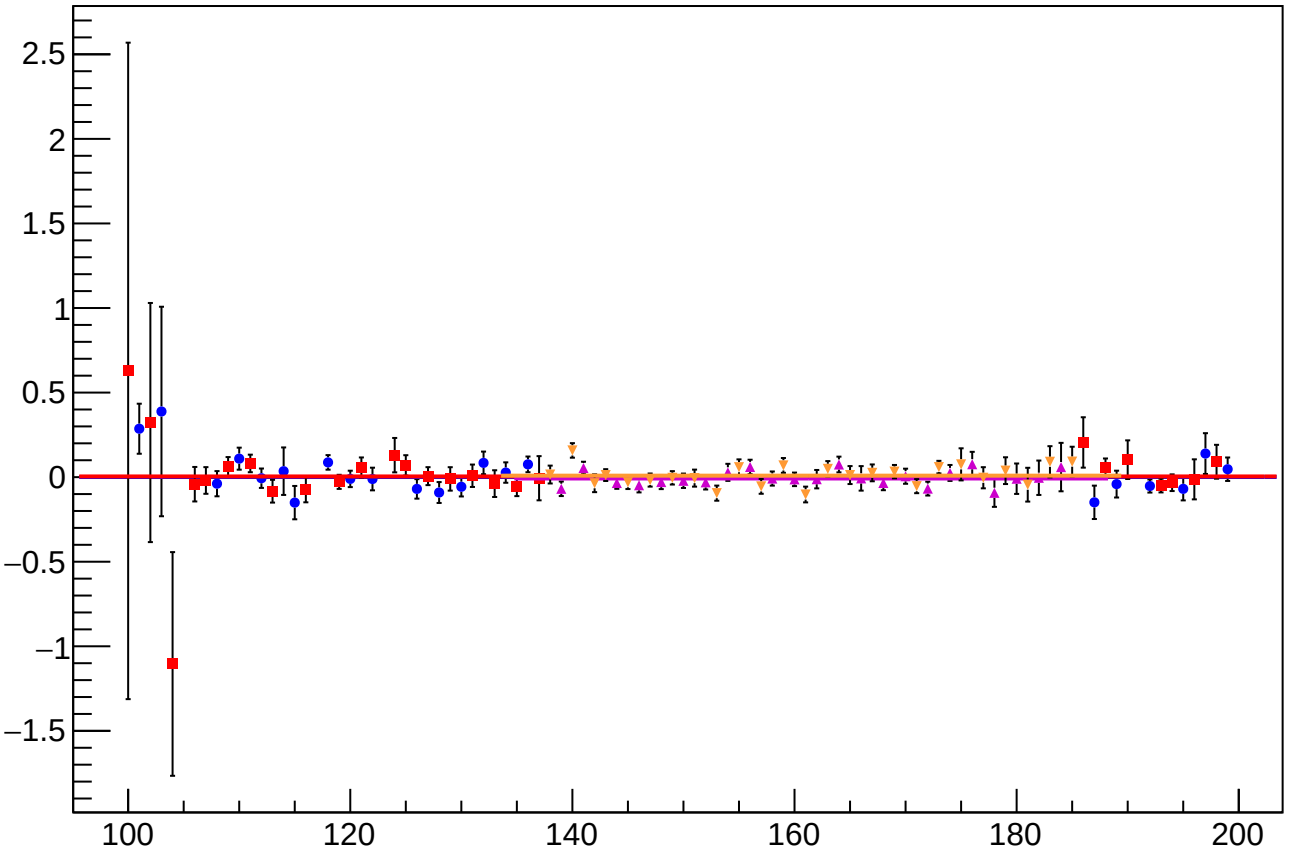
Left: 0.002+/-0.000 χ^2/NDF: 8130379.7/47

Right: 0.002+/-0.000 χ^2/NDF: 12071966.5/47

In: 0.002+/-0.000 χ^2/NDF:9933060.6/44

Out: 0.002+/-0.000 χ^2/NDF:10429816.2/50

All: 0.002+/-0.000 χ^2/NDF: 20377888.1/95



Right In: 0.001+/-0.014 χ^2/NDF: 30.0/21

Left Out: 0.009+/-0.010 χ^2/NDF:38.6/24

Right Out: 0.004+/-0.013 χ^2/NDF: 21.8/25

Left In: -0.008+/-0.010 χ^2/NDF:18.9/22

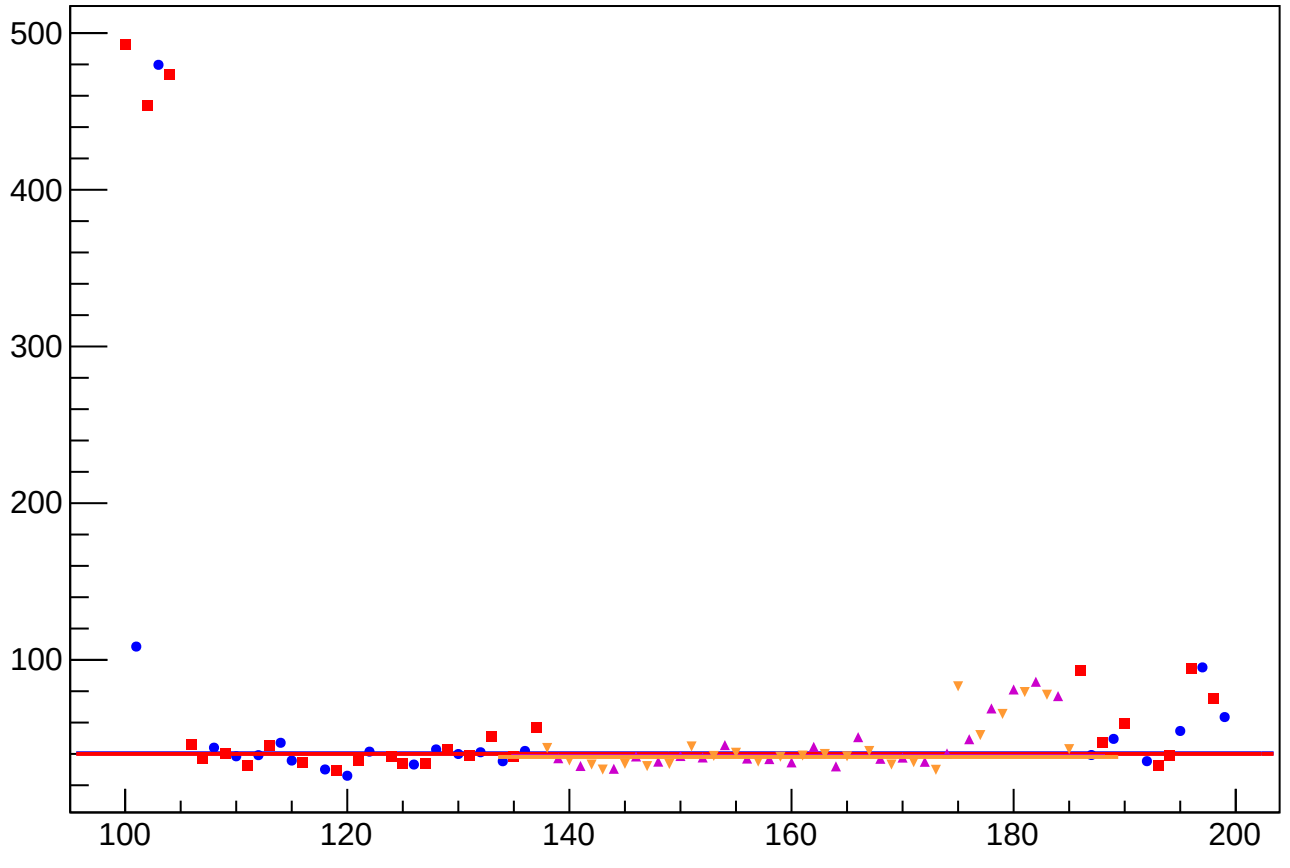
Left: 0.001+/-0.007 χ^2/NDF: 59.0/47

Right: 0.003+/-0.010 χ^2/NDF: 51.8/47

In: -0.005+/-0.008 χ^2/NDF:49.2/44

Out: 0.007+/-0.008 χ^2/NDF:60.4/50

All: 0.001+/-0.006 χ^2/NDF: 110.8/95



Right In: 40.391+/-0.010 χ^2/NDF: 2571110.4/21

Left Out: 38.067+/-0.007 χ^2/NDF:1967110.9/24

Right Out: 40.006+/-0.009 χ^2/NDF: 3084587.8/25

Left In: 38.630+/-0.007 χ^2/NDF:1727699.0/22

Left: 38.338+/-0.005 χ^2/NDF: 3698141.3/47

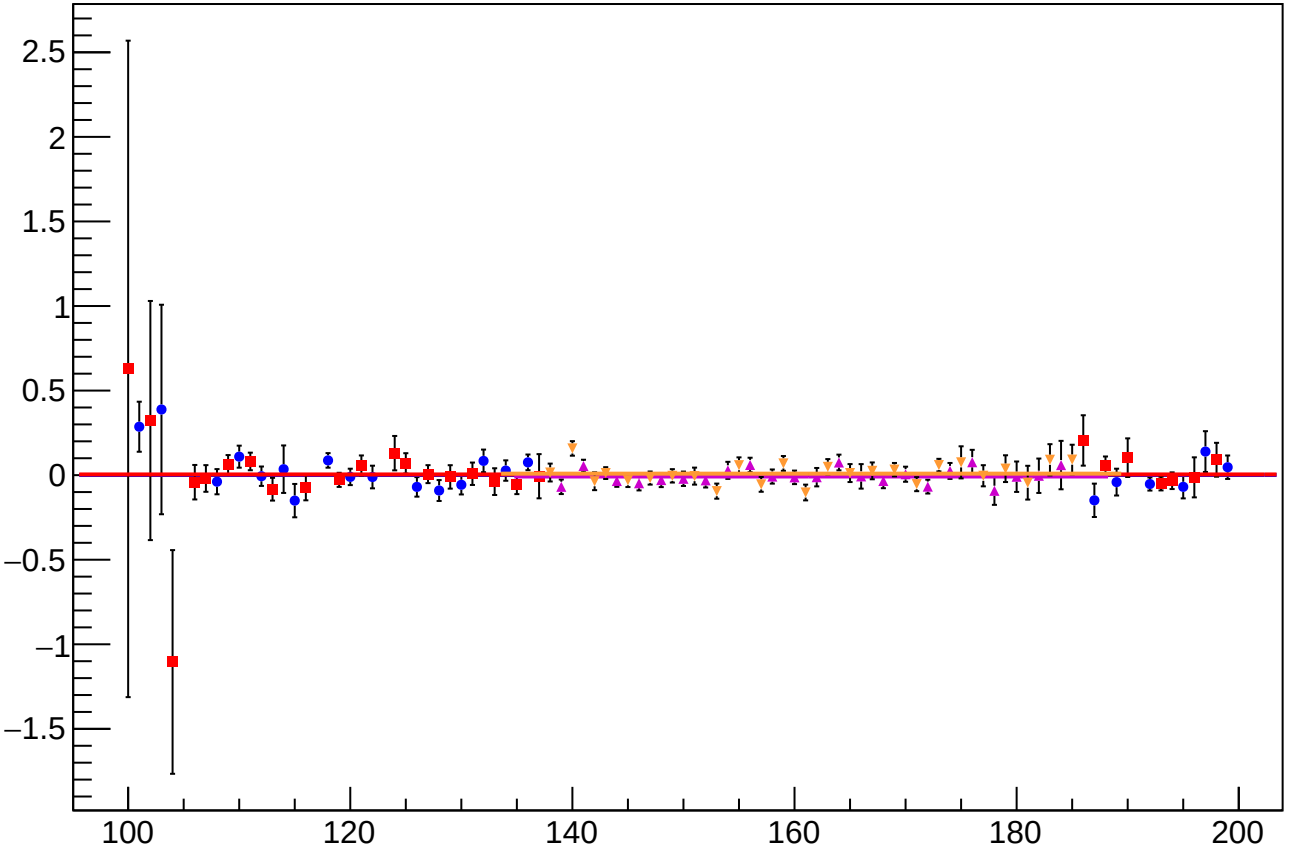
Right: 40.194+/-0.007 χ^2/NDF: 5656509.2/47

In: 39.237+/-0.006 χ^2/NDF:4320587.2/44

Out: 38.723+/-0.006 χ^2/NDF:5079476.7/50

All: 38.972+/-0.004 χ^2/NDF: 9404295.7/95

asym_usr_atr1_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.001+/-0.014 χ^2/NDF: 30.0/21

Left Out: 0.009+/-0.010 χ^2/NDF:38.6/24

Right Out: 0.004+/-0.013 χ^2/NDF: 21.8/25

Left In: -0.008+/-0.010 χ^2/NDF:18.9/22

Left: 0.001+/-0.007 χ^2/NDF: 59.0/47

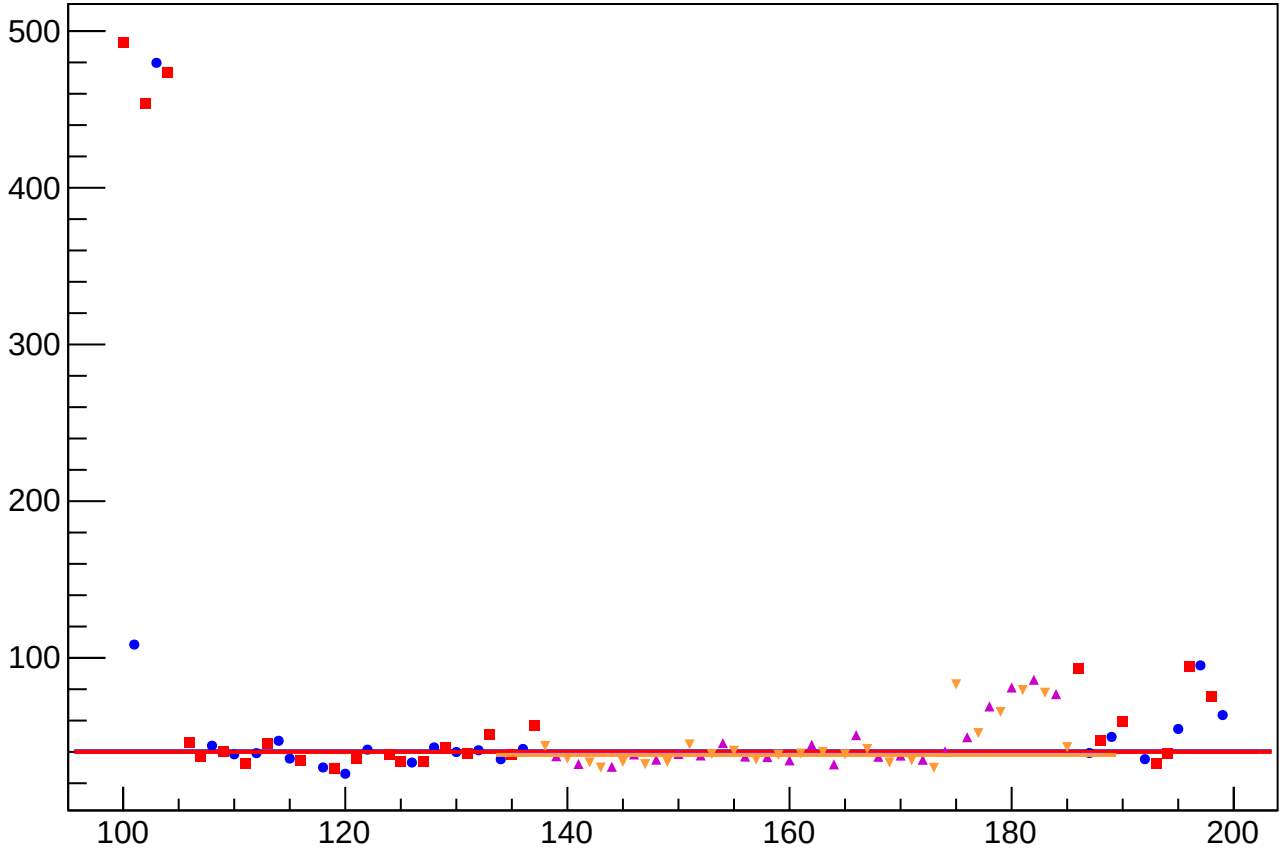
Right: 0.003+/-0.010 χ^2/NDF: 51.8/47

In: -0.005+/-0.008 χ^2/NDF:49.2/44

Out: 0.007+/-0.008 χ^2/NDF:60.4/50

All: 0.001+/-0.006 χ^2/NDF: 110.8/95

asym_usr_atr1_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 40.391+/-0.010 χ^2/NDF: 2571110.4/21

Left Out: 38.067+/-0.007 χ^2/NDF:1967110.9/24

Right Out: 40.006+/-0.009 χ^2/NDF: 3084587.8/25

Left In: 38.630+/-0.007 χ^2/NDF:1727699.0/22

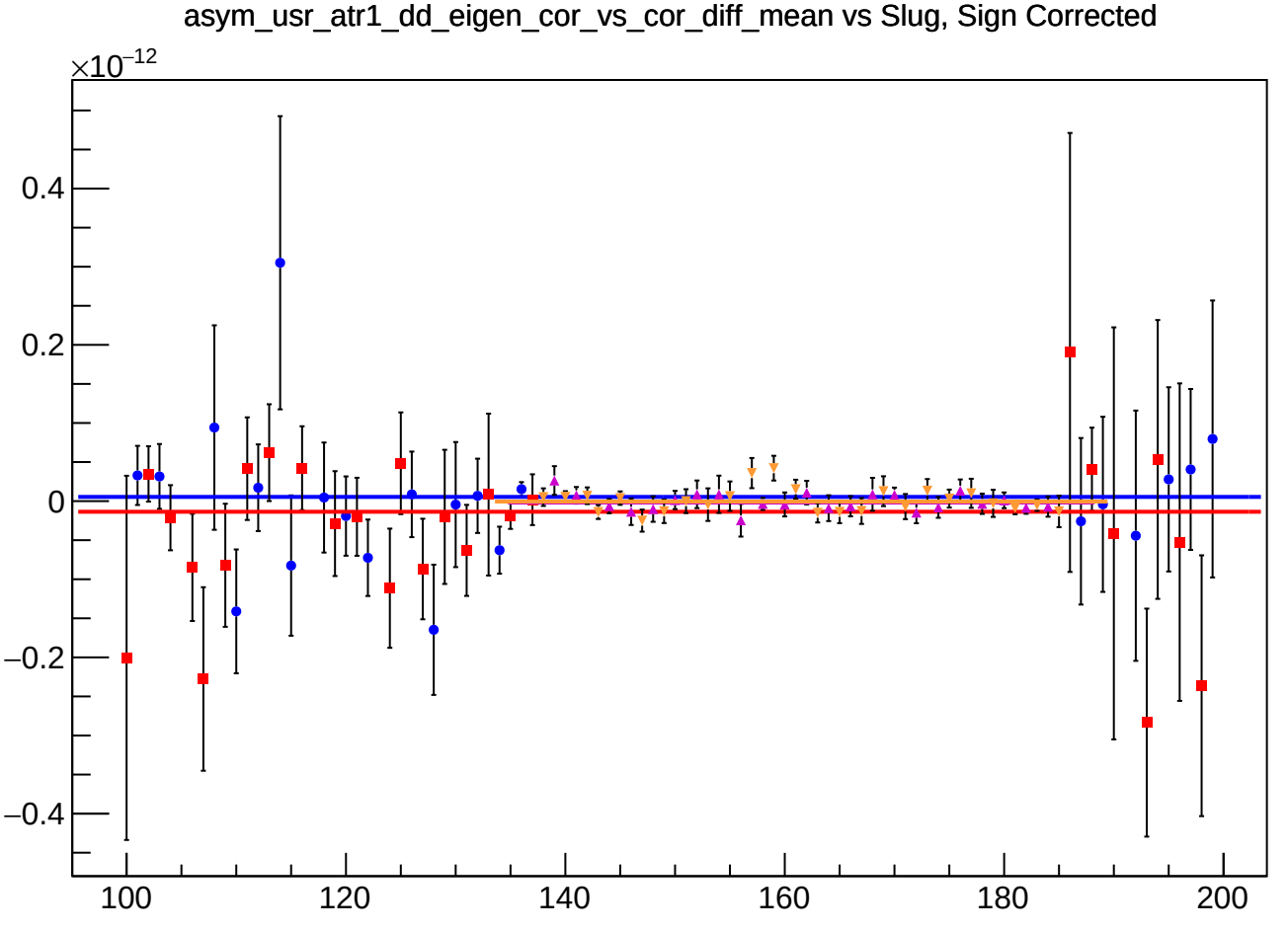
Left: 38.338+/-0.005 χ^2/NDF: 3698141.3/47

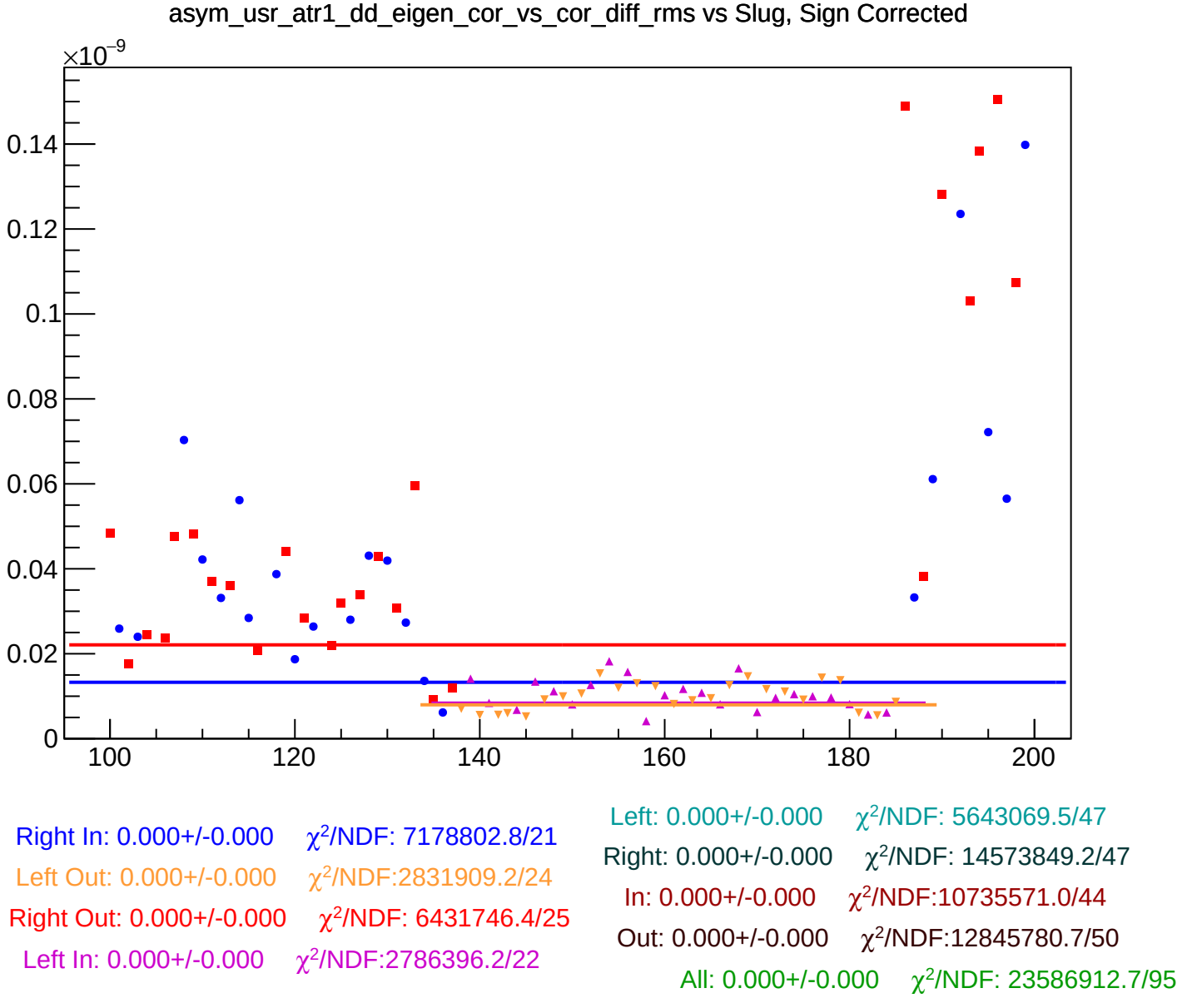
Right: 40.194+/-0.007 χ^2/NDF: 5656509.2/47

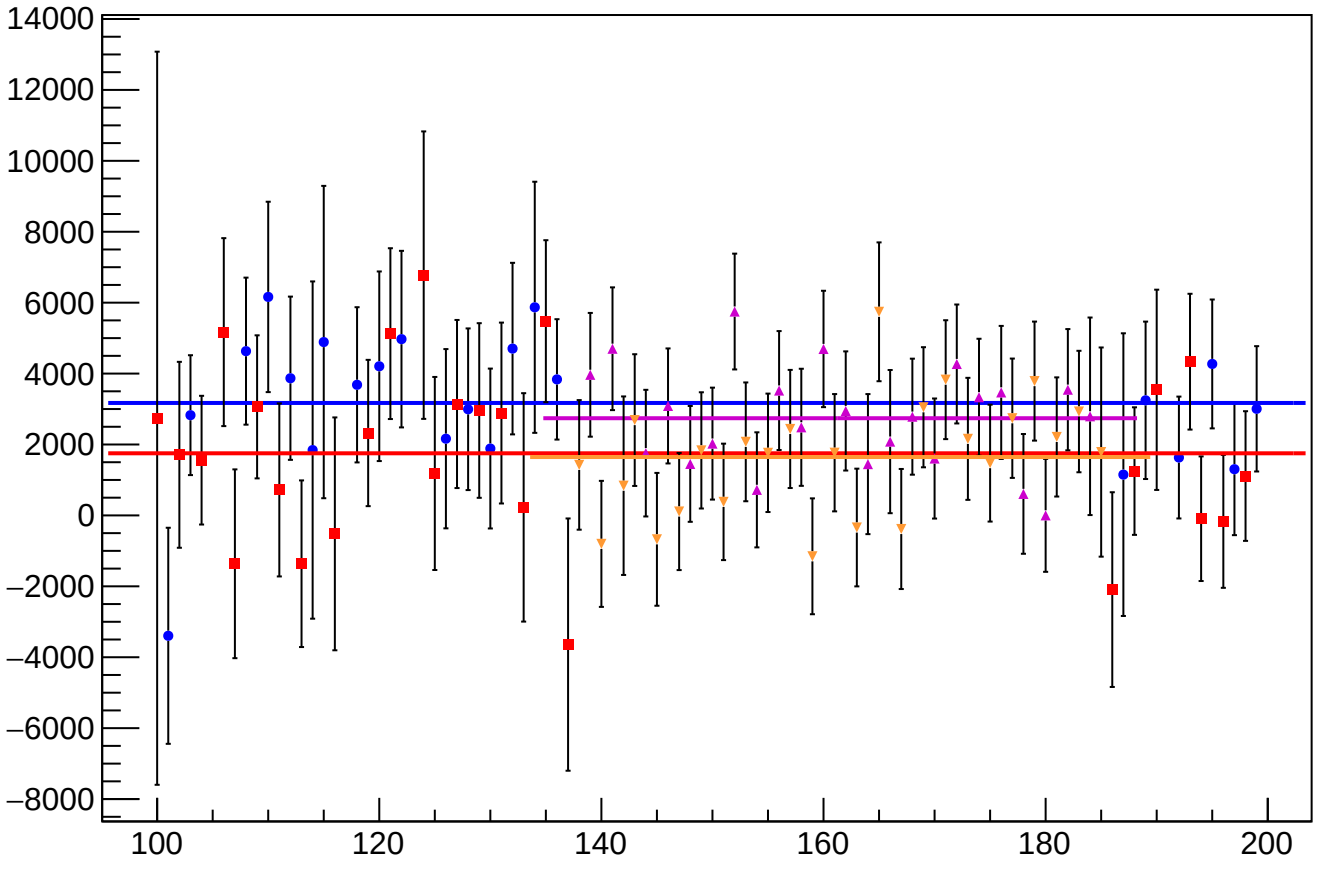
In: 39.237+/-0.006 χ^2/NDF:4320587.2/44

Out: 38.723+/-0.006 χ^2/NDF:5079476.7/50

All: 38.972+/-0.004 χ^2/NDF: 9404295.7/95


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: 22.2/21
Left Out: -0.000+/-0.000 χ²/NDF:26.9/24
Right Out: -0.000+/-0.000 χ²/NDF: 23.0/25
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: 47.4/47
In: -0.000+/-0.000 χ²/NDF:34.6/44
Out: -0.000+/-0.000 χ²/NDF:51.4/50
All: -0.000+/-0.000 χ²/NDF: 86.0/95


asym_usr_atr1_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 7178802.8/21
Left Out: 0.000+/-0.000 χ²/NDF:2831909.2/24
Right Out: 0.000+/-0.000 χ²/NDF: 6431746.4/25
Left In: 0.000+/-0.000 χ²/NDF:2786396.2/22
Left: 0.000+/-0.000 χ²/NDF: 5643069.5/47
Right: 0.000+/-0.000 χ²/NDF: 14573849.2/47
In: 0.000+/-0.000 χ²/NDF:10735571.0/44
Out: 0.000+/-0.000 χ²/NDF:12845780.7/50
All: 0.000+/-0.000 χ²/NDF: 23586912.7/95



Right In: 3171.583+/-483.178 χ^2/NDF: 11.5/21

Left Out: 1646.402+/-349.758 χ^2/NDF:21.0/24

Right Out: 1751.774+/-464.068 χ^2/NDF: 22.0/25

Left In: 2740.924+/-358.458 χ^2/NDF:16.4/22

Left: 2180.220+/-250.336 χ^2/NDF: 42.3/47

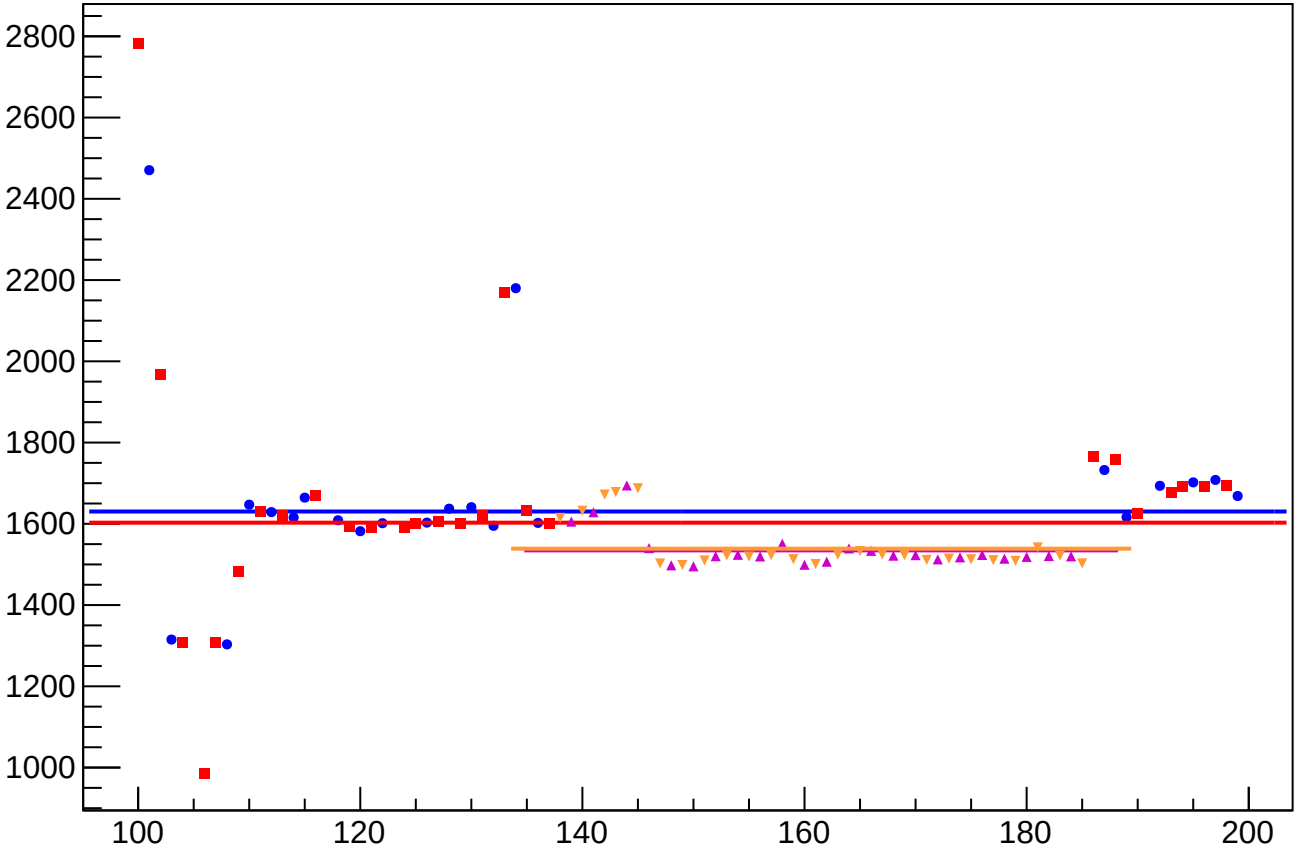
Right: 2433.047+/-334.698 χ^2/NDF: 38.0/47

In: 2893.807+/-287.885 χ^2/NDF:28.5/44

Out: 1684.574+/-279.313 χ^2/NDF:43.1/50

All: 2270.918+/-200.466 χ^2/NDF: 80.7/95

reg_asym_usr_atr2_avg_rms vs Slug, Sign Corrected



Right In: 1630.302+/-0.342 χ^2/NDF: 333831.7/21

Left Out: 1538.810+/-0.247 χ^2/NDF:47056.2/24

Right Out: 1602.836+/-0.325 χ^2/NDF: 435903.4/25

Left In: 1534.615+/-0.253 χ^2/NDF:31120.6/22

Left: 1536.764+/-0.177 χ^2/NDF: 78317.2/47

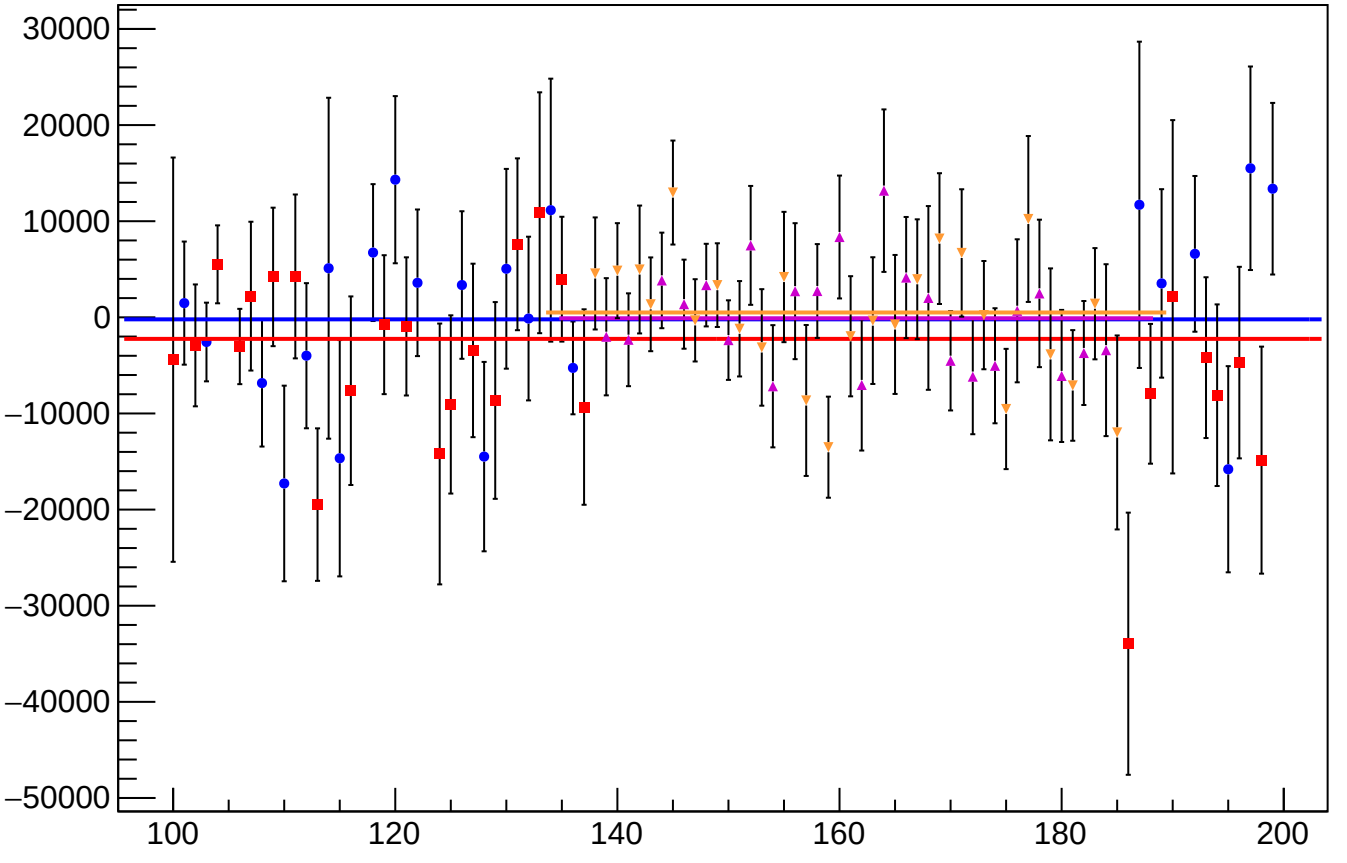
Right: 1615.870+/-0.235 χ^2/NDF: 773130.7/47

In: 1568.583+/-0.204 χ^2/NDF:415544.6/44

Out: 1562.317+/-0.197 χ^2/NDF:507565.9/50

All: 1565.343+/-0.141 χ^2/NDF: 923600.5/95

asym_usr_atr2_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -209.613+/-1685.473 χ^2/NDF: 22.3/21

Left Out: 503.846+/-1187.304 χ^2/NDF:26.8/24

Right Out: -2240.885+/-1526.971 χ^2/NDF: 23.7/25

Left In: -97.910+/-1217.585 χ^2/NDF:14.9/22

Left: 210.544+/-850.054 χ^2/NDF: 41.8/47

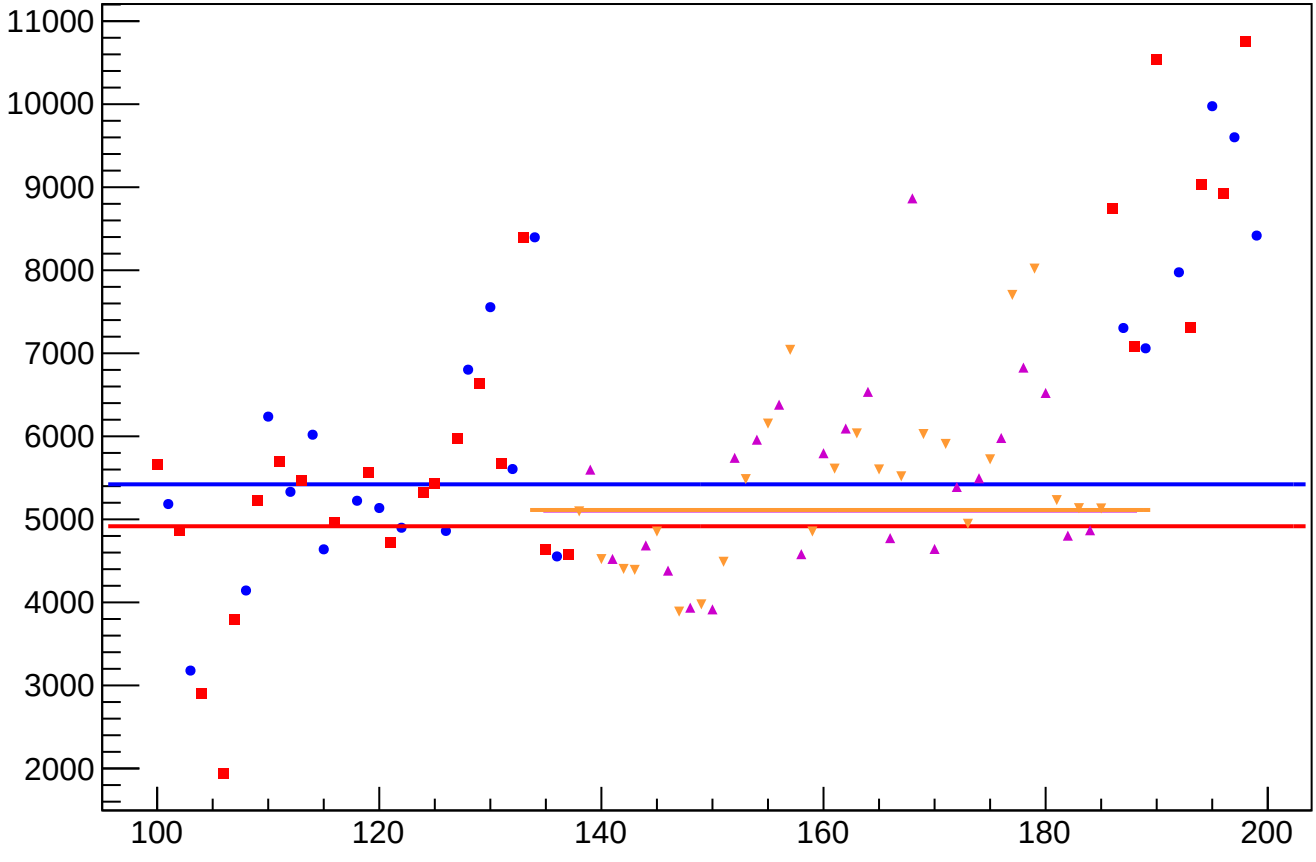
Right: -1325.229+/-1131.629 χ^2/NDF: 46.8/47

In: -136.214+/-986.988 χ^2/NDF:37.2/44

Out: -530.337+/-937.302 χ^2/NDF:52.5/50

All: -343.445+/-679.659 χ^2/NDF: 89.8/95

asym_usr_atr2_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 5421.936+/-1.192 χ^2/NDF: 2186234.5/21

Left Out: 5112.954+/-0.840 χ^2/NDF:1159010.4/24

Right Out: 4916.985+/-1.080 χ^2/NDF: 3886982.3/25

Left In: 5106.386+/-0.861 χ^2/NDF:1251622.3/22

Left: 5109.752+/-0.601 χ^2/NDF: 2410662.5/47

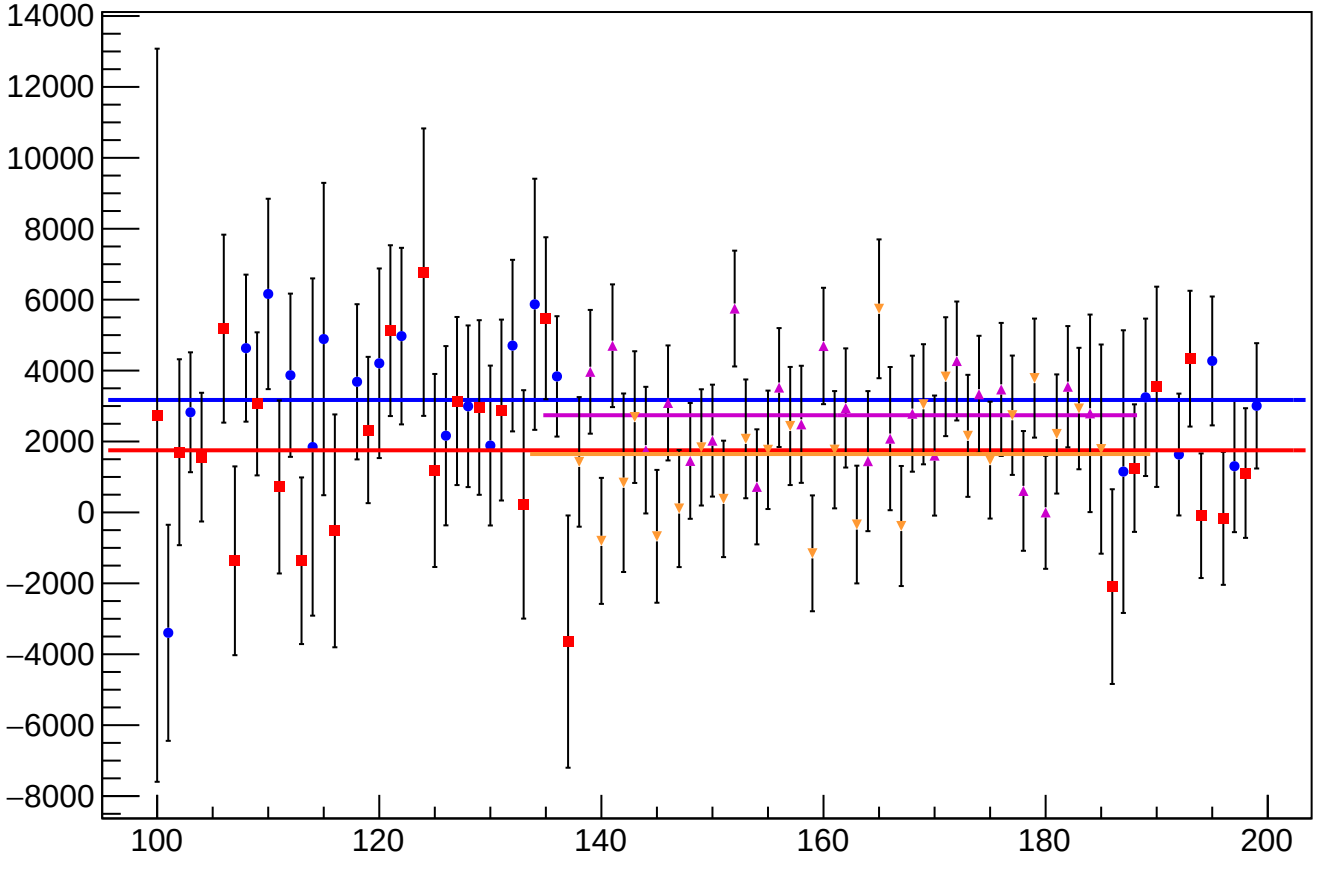
Right: 5144.607+/-0.800 χ^2/NDF: 6171806.2/47

In: 5214.591+/-0.698 χ^2/NDF:3483919.3/44

Out: 5039.115+/-0.663 χ^2/NDF:5066522.1/50

All: 5122.325+/-0.481 χ^2/NDF: 8583681.6/95

cor_asym_usr_atr2_avg_mean vs Slug, Sign Corrected



Right In: 3171.390+/-483.178 χ^2/NDF: 11.5/21

Left Out: 1646.294+/-349.758 χ^2/NDF:21.0/24

Right Out: 1751.754+/-464.070 χ^2/NDF: 22.0/25

Left In: 2740.826+/-358.458 χ^2/NDF:16.4/22

Left: 2180.117+/-250.336 χ^2/NDF: 42.3/47

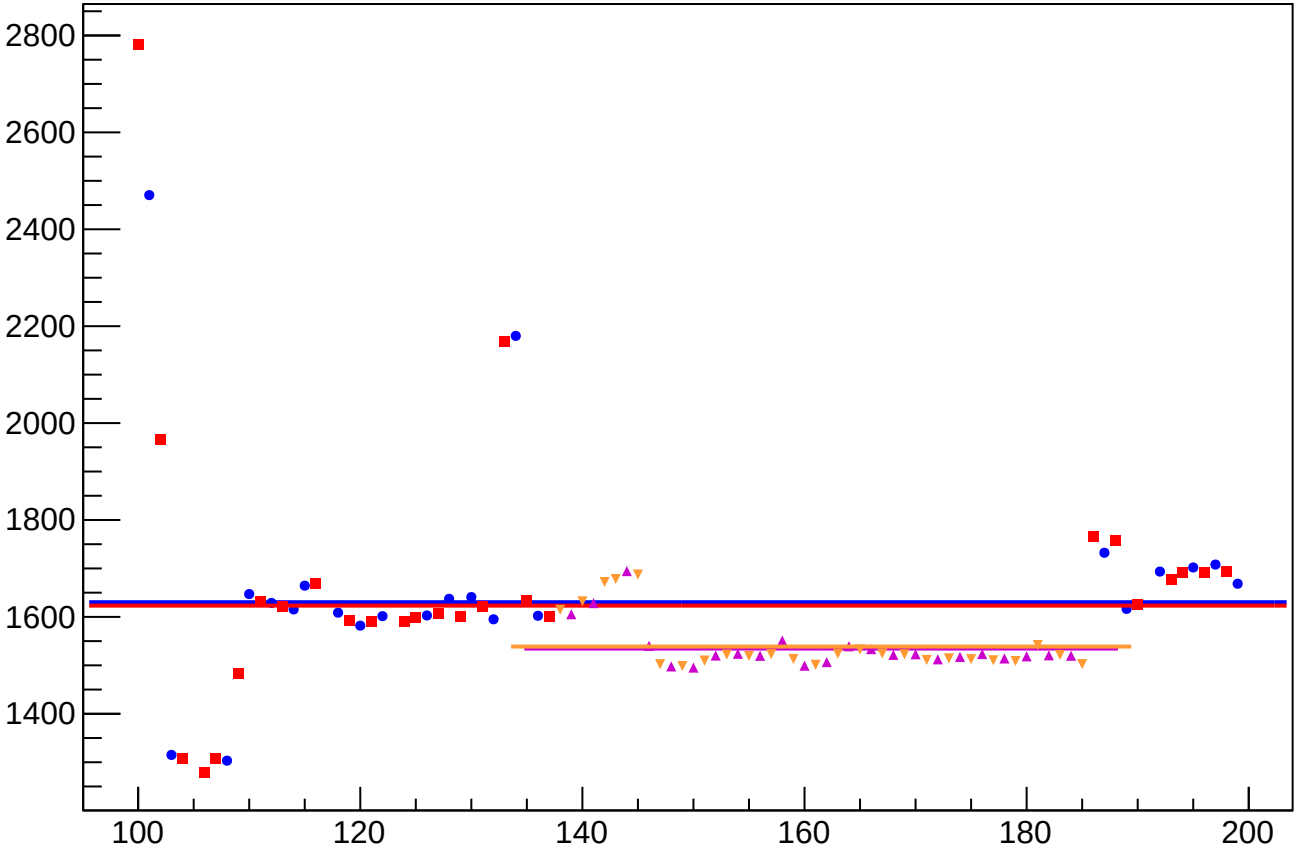
Right: 2432.946+/-334.698 χ^2/NDF: 38.1/47

In: 2893.675+/-287.885 χ^2/NDF:28.5/44

Out: 1684.497+/-279.313 χ^2/NDF:43.1/50

All: 2270.816+/-200.466 χ^2/NDF: 80.7/95

cor_asym_usr_atr2_avg_rms vs Slug, Sign Corrected



Right In: 1630.302+/-0.342 χ^2/NDF: 333830.7/21

Left Out: 1538.810+/-0.247 χ^2/NDF:47056.2/24

Right Out: 1623.232+/-0.327 χ^2/NDF: 283291.3/25

Left In: 1534.615+/-0.253 χ^2/NDF:31120.6/22

Left: 1536.764+/-0.177 χ^2/NDF: 78317.1/47

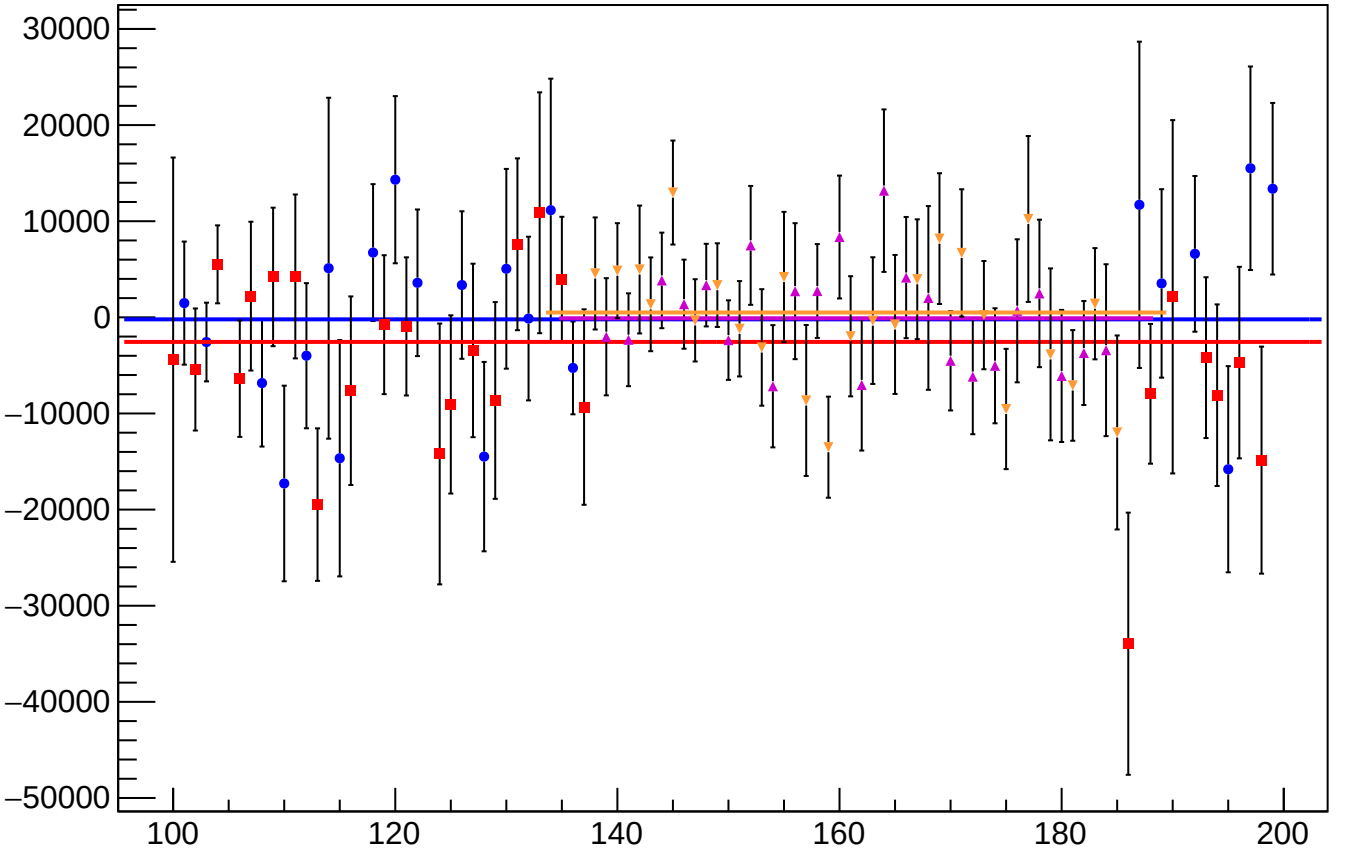
Right: 1626.616+/-0.236 χ^2/NDF: 617345.4/47

In: 1568.583+/-0.204 χ^2/NDF:415543.9/44

Out: 1569.488+/-0.197 χ^2/NDF:372690.7/50

All: 1569.050+/-0.142 χ^2/NDF: 788244.8/95

asym_usr_atr2_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -209.747+/-1685.501 χ^2/NDF: 22.3/21

Left Out: 503.849+/-1187.302 χ^2/NDF:26.8/24

Right Out: -2556.394+/-1599.493 χ^2/NDF: 24.3/25

Left In: -97.930+/-1217.585 χ^2/NDF:14.9/22

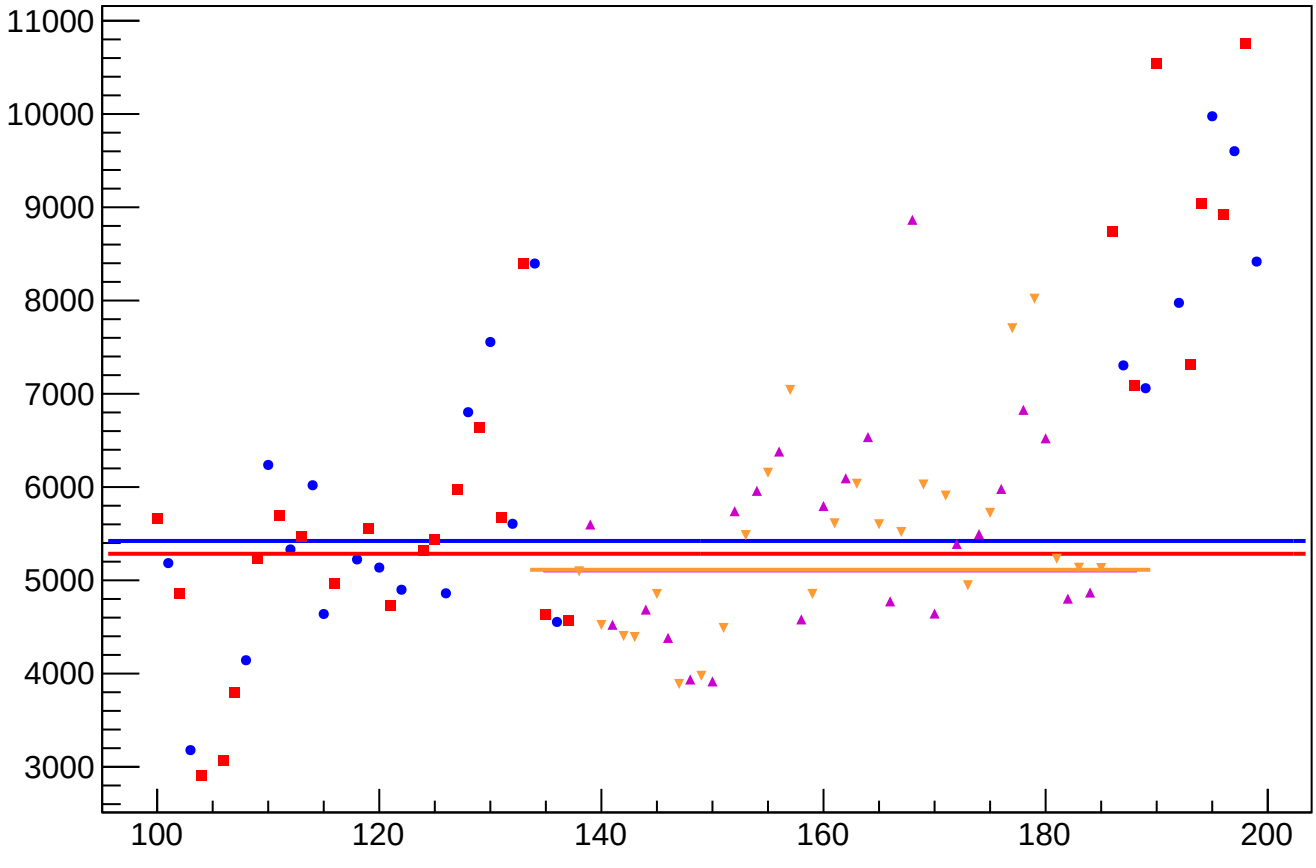
Left: 210.536+/-850.054 χ^2/NDF: 41.8/47

Right: -1444.469+/-1160.227 χ^2/NDF: 47.6/47

In: -136.273+/-986.993 χ^2/NDF:37.2/44

Out: -583.327+/-953.354 χ^2/NDF:53.5/50

All: -367.548+/-685.707 χ^2/NDF: 90.8/95



Right In: 5422.069+/-1.192 χ^2/NDF: 2185935.2/21

Left Out: 5112.947+/-0.840 χ^2/NDF:1159023.2/24

Right Out: 5284.629+/-1.131 χ^2/NDF: 2811492.8/25

Left In: 5106.384+/-0.861 χ^2/NDF:1251622.9/22

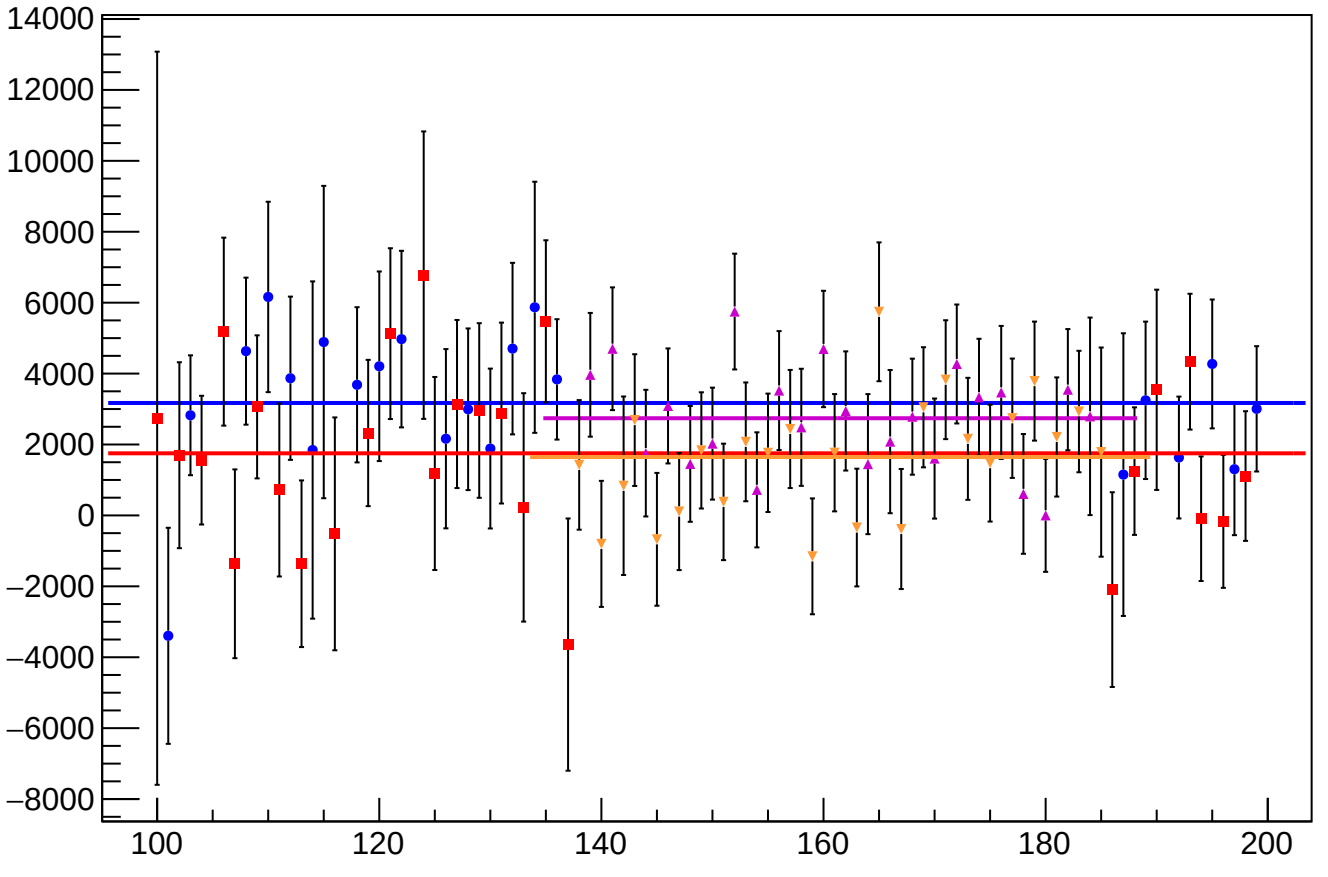
Left: 5109.748+/-0.601 χ^2/NDF: 2410675.9/47

Right: 5349.753+/-0.820 χ^2/NDF: 5004425.2/47

In: 5214.633+/-0.698 χ^2/NDF:3483659.2/44

Out: 5173.938+/-0.674 χ^2/NDF:3985372.1/50

All: 5193.580+/-0.485 χ^2/NDF: 7470790.2/95



Right In: 3171.390+/-483.178 χ^2/NDF: 11.5/21

Left Out: 1646.294+/-349.758 χ^2/NDF:21.0/24

Right Out: 1751.754+/-464.070 χ^2/NDF: 22.0/25

Left In: 2740.826+/-358.458 χ^2/NDF:16.4/22

Left: 2180.117+/-250.336 χ^2/NDF: 42.3/47

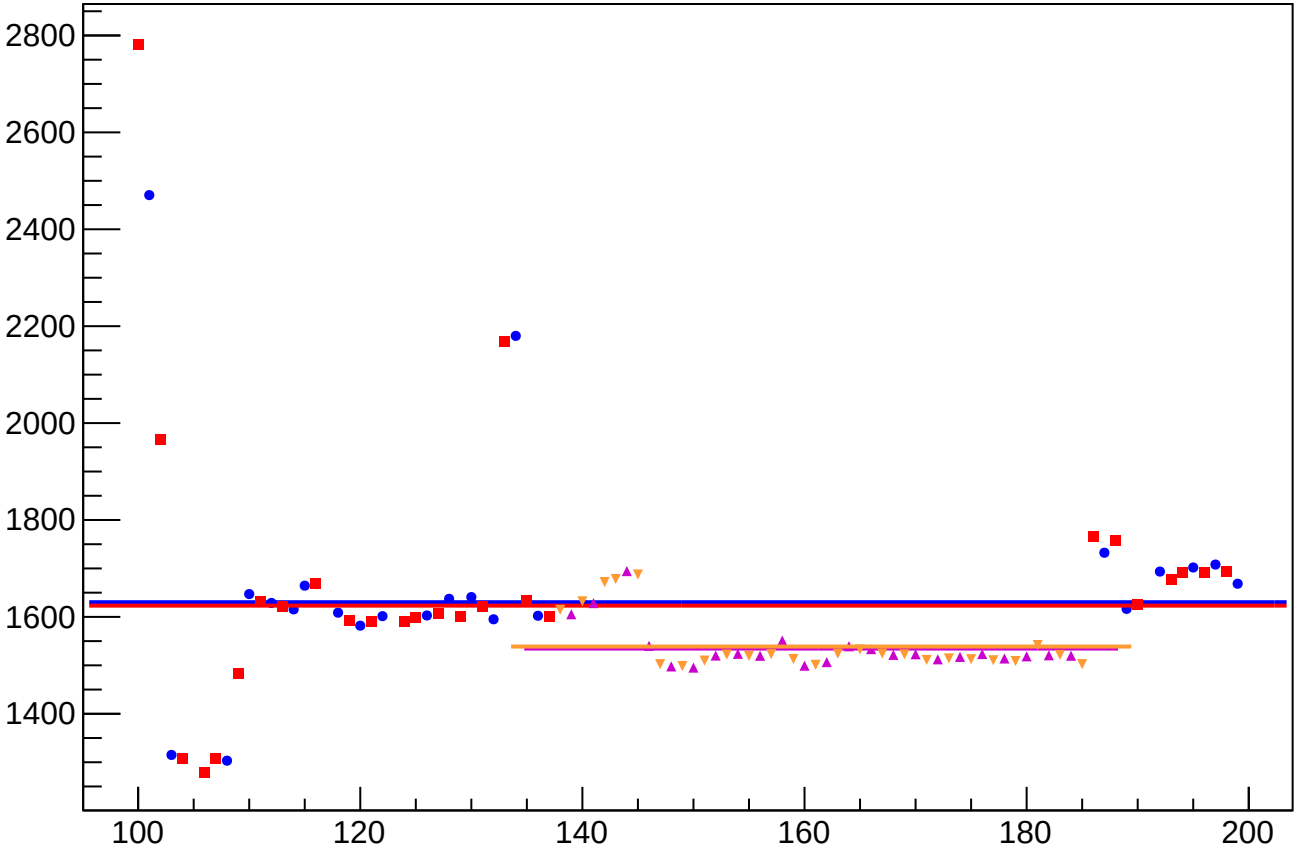
Right: 2432.946+/-334.698 χ^2/NDF: 38.1/47

In: 2893.675+/-287.885 χ^2/NDF:28.5/44

Out: 1684.497+/-279.313 χ^2/NDF:43.1/50

All: 2270.816+/-200.466 χ^2/NDF: 80.7/95

eigen_cor_asym_usr_atr2_avg_rms vs Slug, Sign Corrected



Right In: 1630.302+/-0.342 χ^2/NDF: 333830.7/21

Left Out: 1538.810+/-0.247 χ^2/NDF:47056.2/24

Right Out: 1623.232+/-0.327 χ^2/NDF: 283291.3/25

Left In: 1534.615+/-0.253 χ^2/NDF:31120.6/22

Left: 1536.764+/-0.177 χ^2/NDF: 78317.1/47

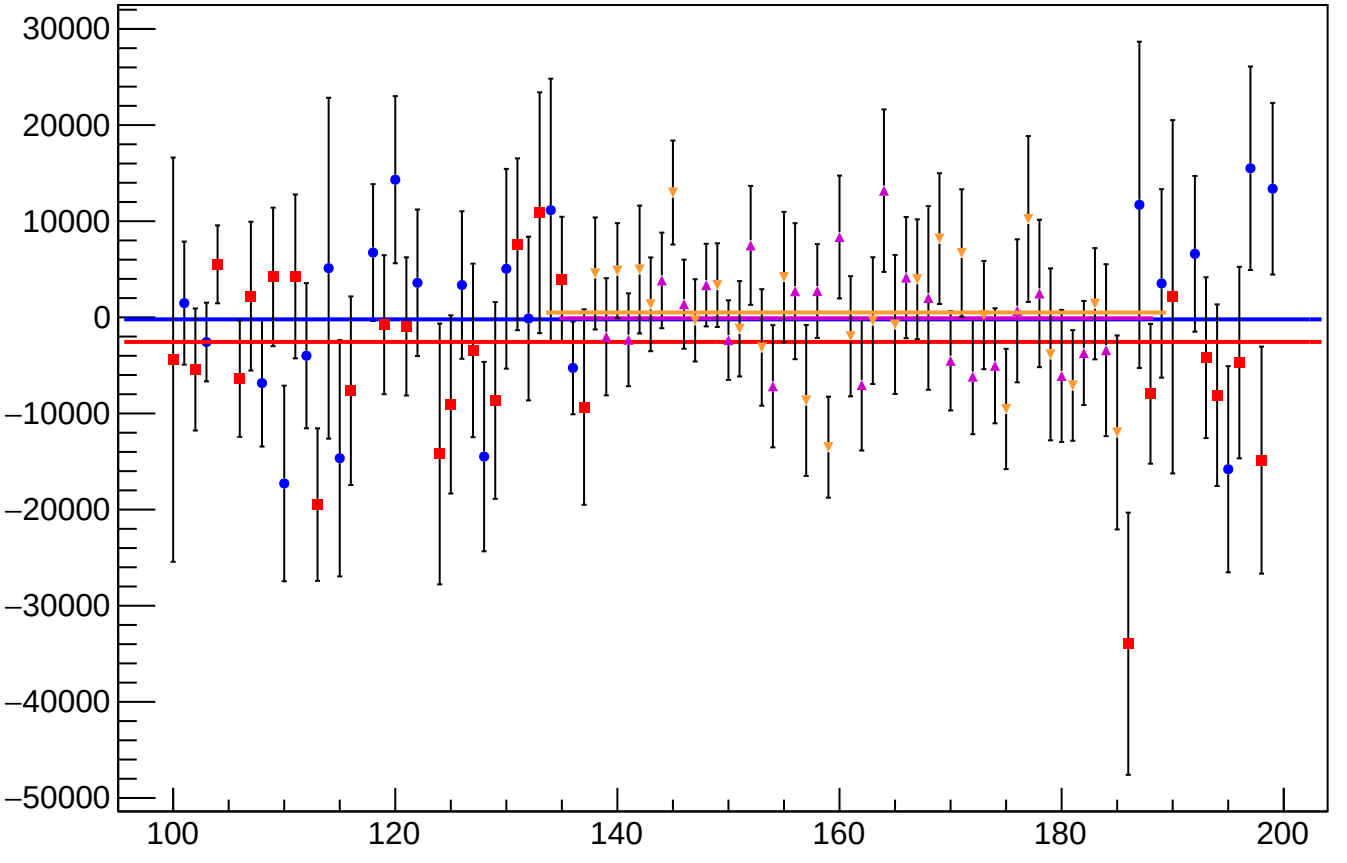
Right: 1626.616+/-0.236 χ^2/NDF: 617345.4/47

In: 1568.583+/-0.204 χ^2/NDF:415543.9/44

Out: 1569.488+/-0.197 χ^2/NDF:372690.7/50

All: 1569.050+/-0.142 χ^2/NDF: 788244.8/95

asym_usr_atr2_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -209.747+/-1685.501 χ^2/NDF: 22.3/21

Left Out: 503.849+/-1187.302 χ^2/NDF:26.8/24

Right Out: -2556.394+/-1599.493 χ^2/NDF: 24.3/25

Left In: -97.930+/-1217.585 χ^2/NDF:14.9/22

Left: 210.536+/-850.054 χ^2/NDF: 41.8/47

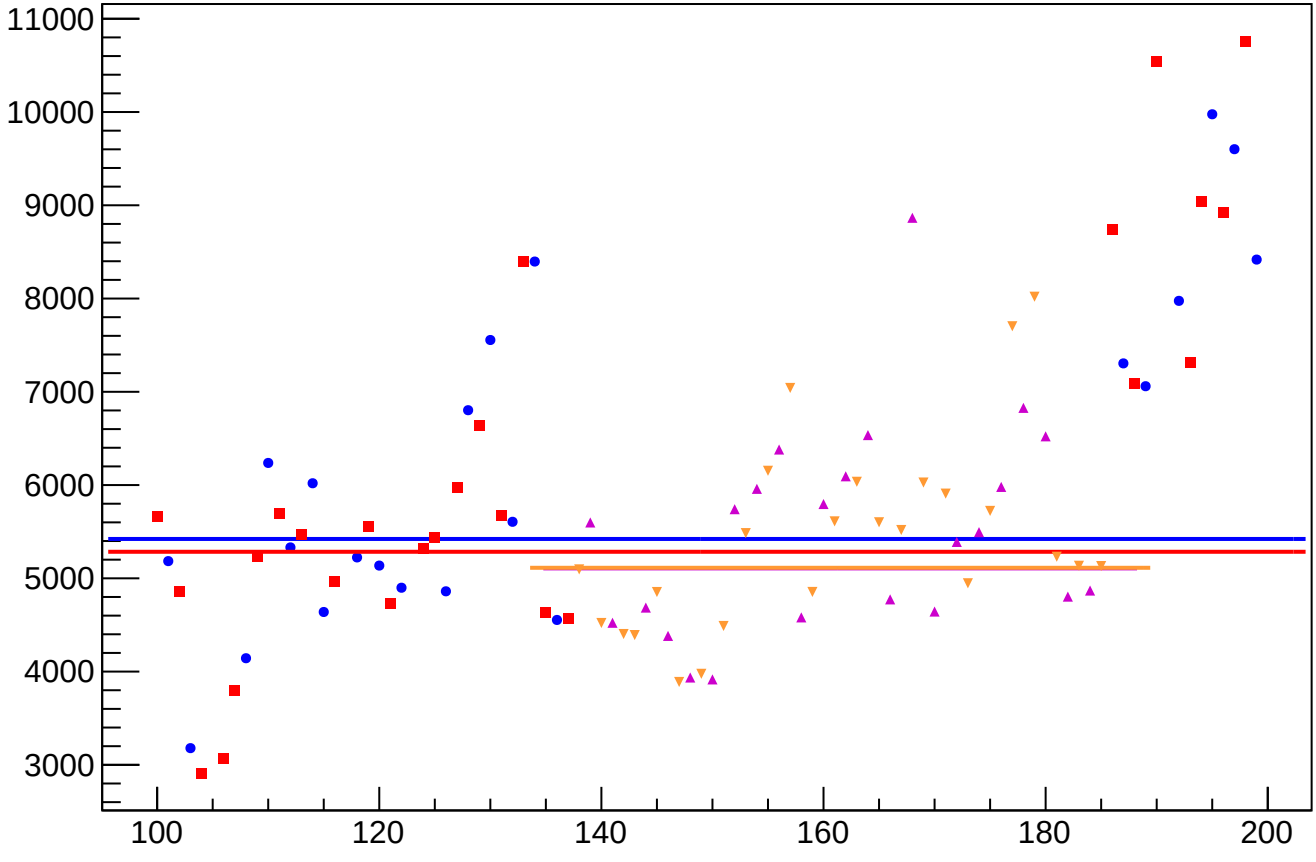
Right: -1444.469+/-1160.227 χ^2/NDF: 47.6/47

In: -136.273+/-986.993 χ^2/NDF:37.2/44

Out: -583.327+/-953.354 χ^2/NDF:53.5/50

All: -367.548+/-685.707 χ^2/NDF: 90.8/95

asym_usr_atr2_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 5422.069+/-1.192 χ^2/NDF: 2185935.2/21

Left Out: 5112.947+/-0.840 χ^2/NDF:1159023.2/24

Right Out: 5284.629+/-1.131 χ^2/NDF: 2811492.8/25

Left In: 5106.384+/-0.861 χ^2/NDF:1251622.9/22

Left: 5109.748+/-0.601 χ^2/NDF: 2410675.9/47

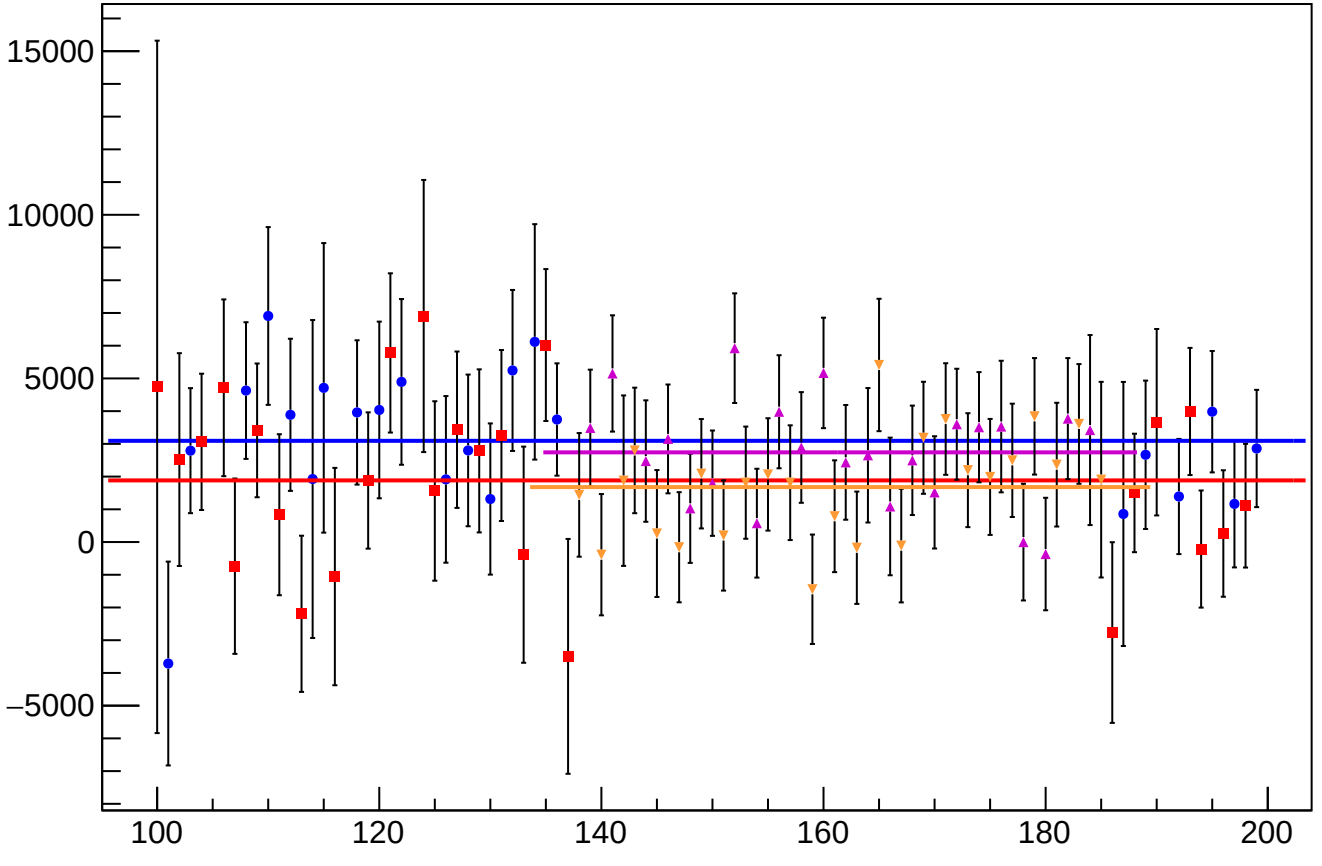
Right: 5349.753+/-0.820 χ^2/NDF: 5004425.2/47

In: 5214.633+/-0.698 χ^2/NDF:3483659.2/44

Out: 5173.938+/-0.674 χ^2/NDF:3985372.1/50

All: 5193.580+/-0.485 χ^2/NDF: 7470790.2/95

dit_asym_usr_atr2_avg_mean vs Slug, Sign Corrected



Right In: 3092.868+/-495.336 χ^2/NDF: 13.4/21

Left Out: 1679.163+/-362.391 χ^2/NDF:19.0/24

Right Out: 1883.400+/-477.067 χ^2/NDF: 24.4/25

Left In: 2740.666+/-370.604 χ^2/NDF:19.2/22

Left: 2198.022+/-259.104 χ^2/NDF: 42.3/47

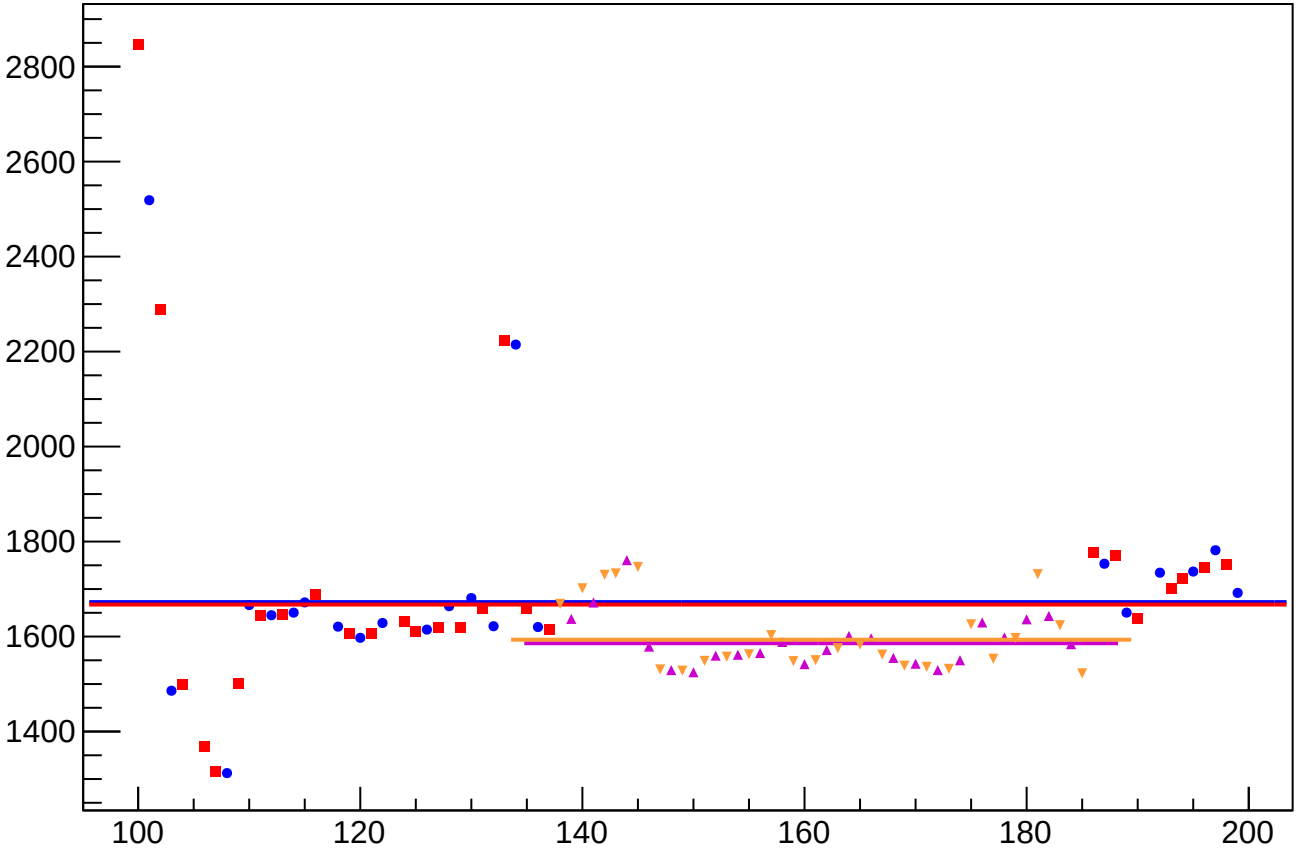
Right: 2465.418+/-343.614 χ^2/NDF: 40.8/47

In: 2867.066+/-296.741 χ^2/NDF:32.9/44

Out: 1753.892+/-288.575 χ^2/NDF:43.4/50

All: 2294.950+/-206.880 χ^2/NDF: 83.5/95

dit_asym_usr_atr2_avg_rms vs Slug, Sign Corrected



Right In: 1672.498+/-0.350 χ^2/NDF: 291475.3/21

Left Out: 1593.388+/-0.256 χ^2/NDF:71876.4/24

Right Out: 1667.427+/-0.337 χ^2/NDF: 266107.5/25

Left In: 1585.918+/-0.262 χ^2/NDF:41915.3/22

Left: 1589.737+/-0.183 χ^2/NDF: 114207.1/47

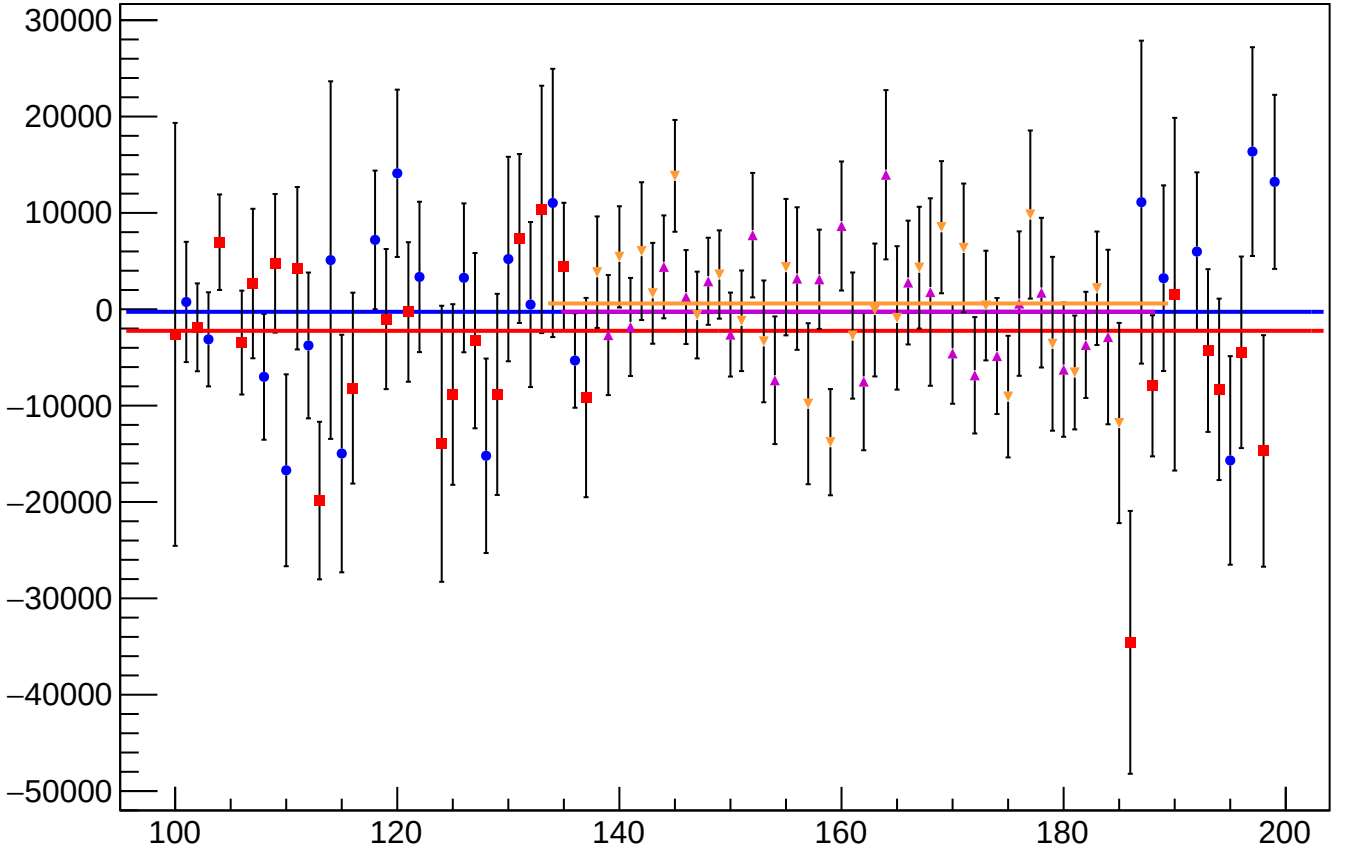
Right: 1669.866+/-0.243 χ^2/NDF: 557691.6/47

In: 1616.991+/-0.210 χ^2/NDF:372565.1/44

Out: 1620.497+/-0.204 χ^2/NDF:368551.1/50

All: 1618.793+/-0.146 χ^2/NDF: 741259.8/95

asym_usr_atr2_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -265.215+/-1736.918 χ^2/NDF: 22.1/21

Left Out: 601.820+/-1233.559 χ^2/NDF:26.0/24

Right Out: -2236.821+/-1588.217 χ^2/NDF: 23.6/25

Left In: -255.905+/-1262.607 χ^2/NDF:14.6/22

Left: 182.938+/-882.349 χ^2/NDF: 40.9/47

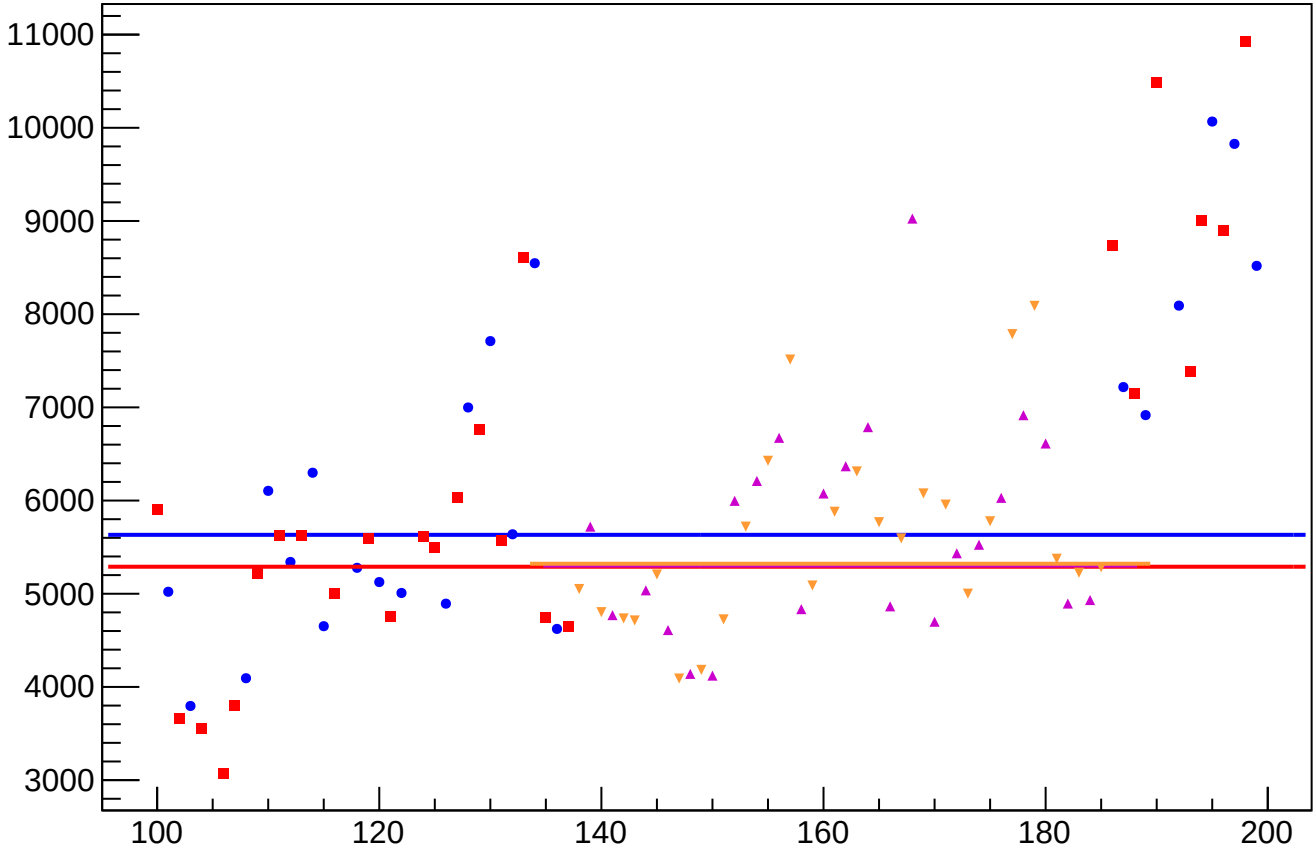
Right: -1339.013+/-1172.090 χ^2/NDF: 46.4/47

In: -259.124+/-1021.285 χ^2/NDF:36.7/44

Out: -466.271+/-974.224 χ^2/NDF:51.6/50

All: -367.580+/-704.931 χ^2/NDF: 88.4/95

asym_usr_atr2_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 5632.221+/-1.228 χ^2/NDF: 1836879.8/21

Left Out: 5321.956+/-0.872 χ^2/NDF:1037009.2/24

Right Out: 5289.954+/-1.123 χ^2/NDF: 2703306.0/25

Left In: 5302.849+/-0.893 χ^2/NDF:1152376.1/22

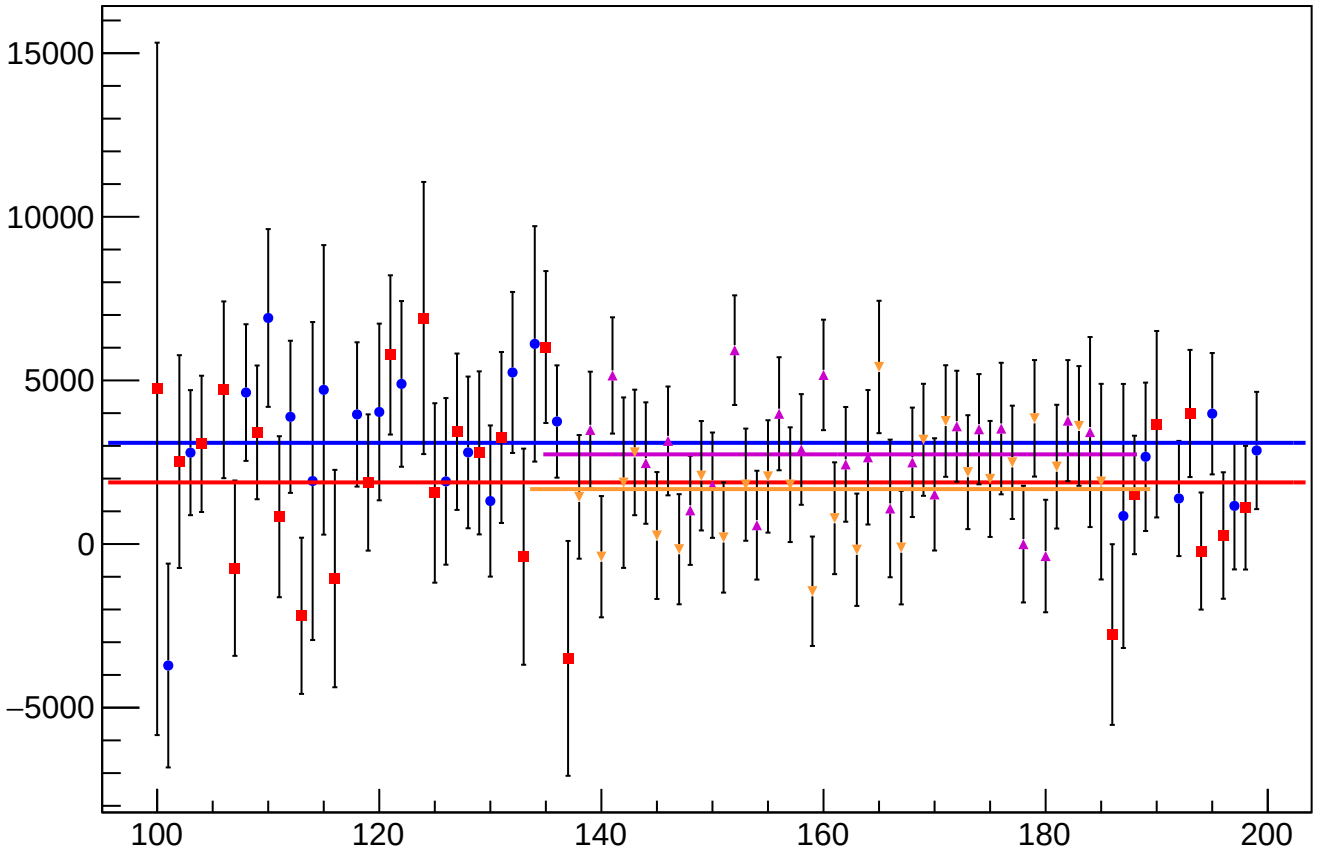
Left: 5312.625+/-0.624 χ^2/NDF: 2189619.6/47

Right: 5445.812+/-0.829 χ^2/NDF: 4582482.1/47

In: 5416.722+/-0.722 χ^2/NDF:3036310.4/44

Out: 5309.915+/-0.689 χ^2/NDF:3740821.6/50

All: 5360.801+/-0.498 χ^2/NDF: 6788585.0/95



Right In: 3092.869+/-495.336 χ^2/NDF: 13.4/21

Left Out: 1679.156+/-362.392 χ^2/NDF:19.0/24

Right Out: 1883.402+/-477.067 χ^2/NDF: 24.4/25

Left In: 2740.666+/-370.605 χ^2/NDF:19.2/22

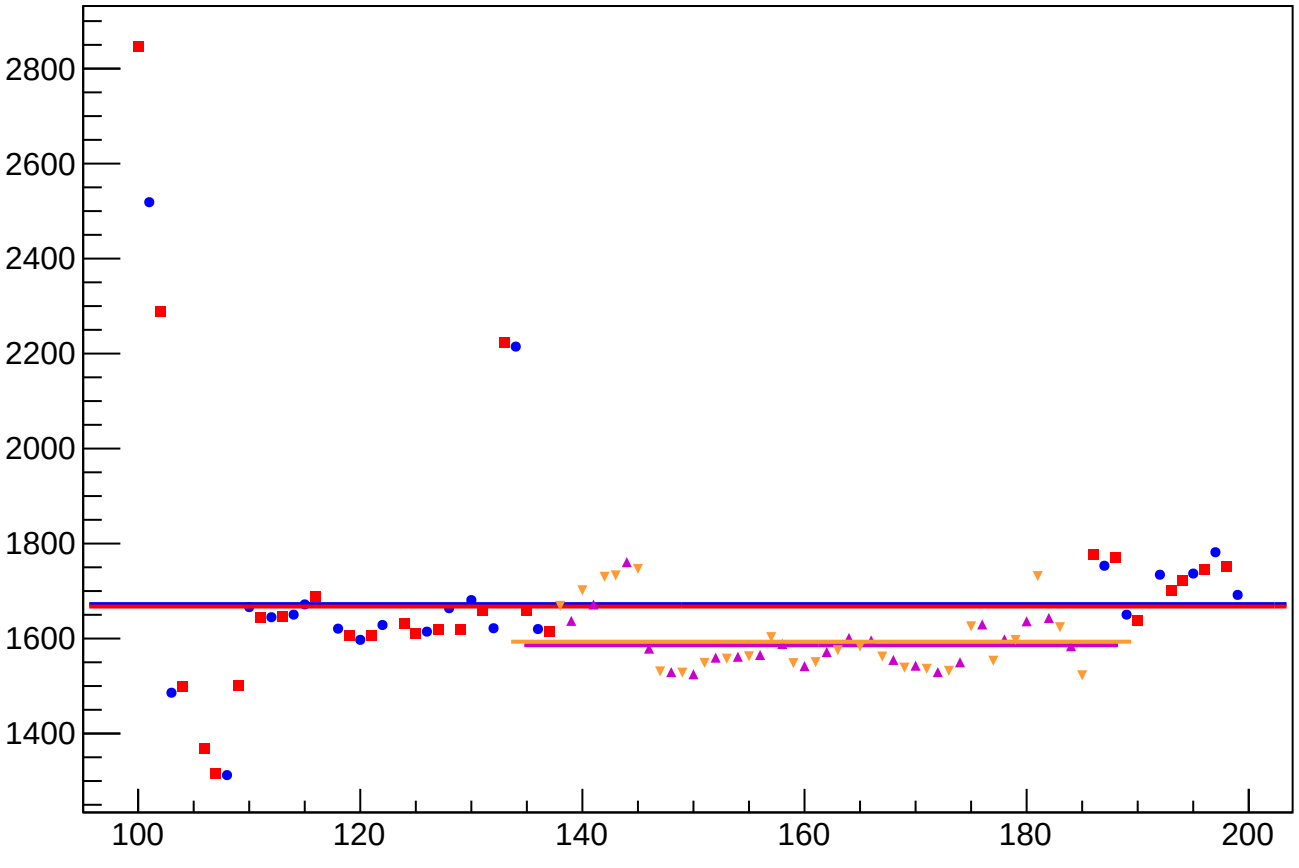
Left: 2198.019+/-259.104 χ^2/NDF: 42.3/47

Right: 2465.420+/-343.614 χ^2/NDF: 40.8/47

In: 2867.067+/-296.742 χ^2/NDF:32.9/44

Out: 1753.889+/-288.575 χ^2/NDF:43.4/50

All: 2294.949+/-206.880 χ^2/NDF: 83.5/95



Right In: 1672.498+/-0.350 χ^2/NDF: 291475.5/21

Left Out: 1593.388+/-0.256 χ^2/NDF:71876.3/24

Right Out: 1667.427+/-0.337 χ^2/NDF: 266107.4/25

Left In: 1585.919+/-0.262 χ^2/NDF:41915.1/22

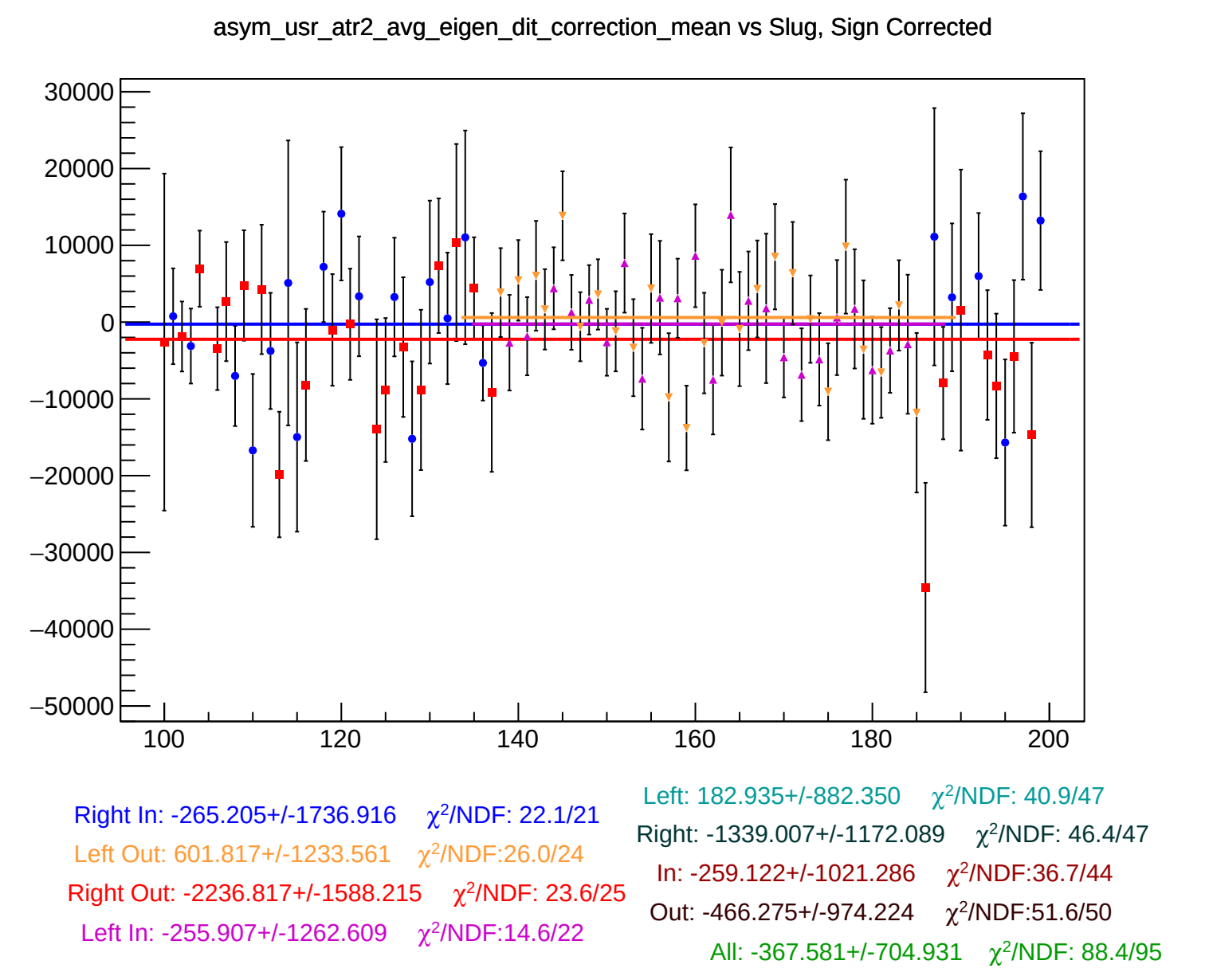
Left: 1589.737+/-0.183 χ^2/NDF: 114206.7/47

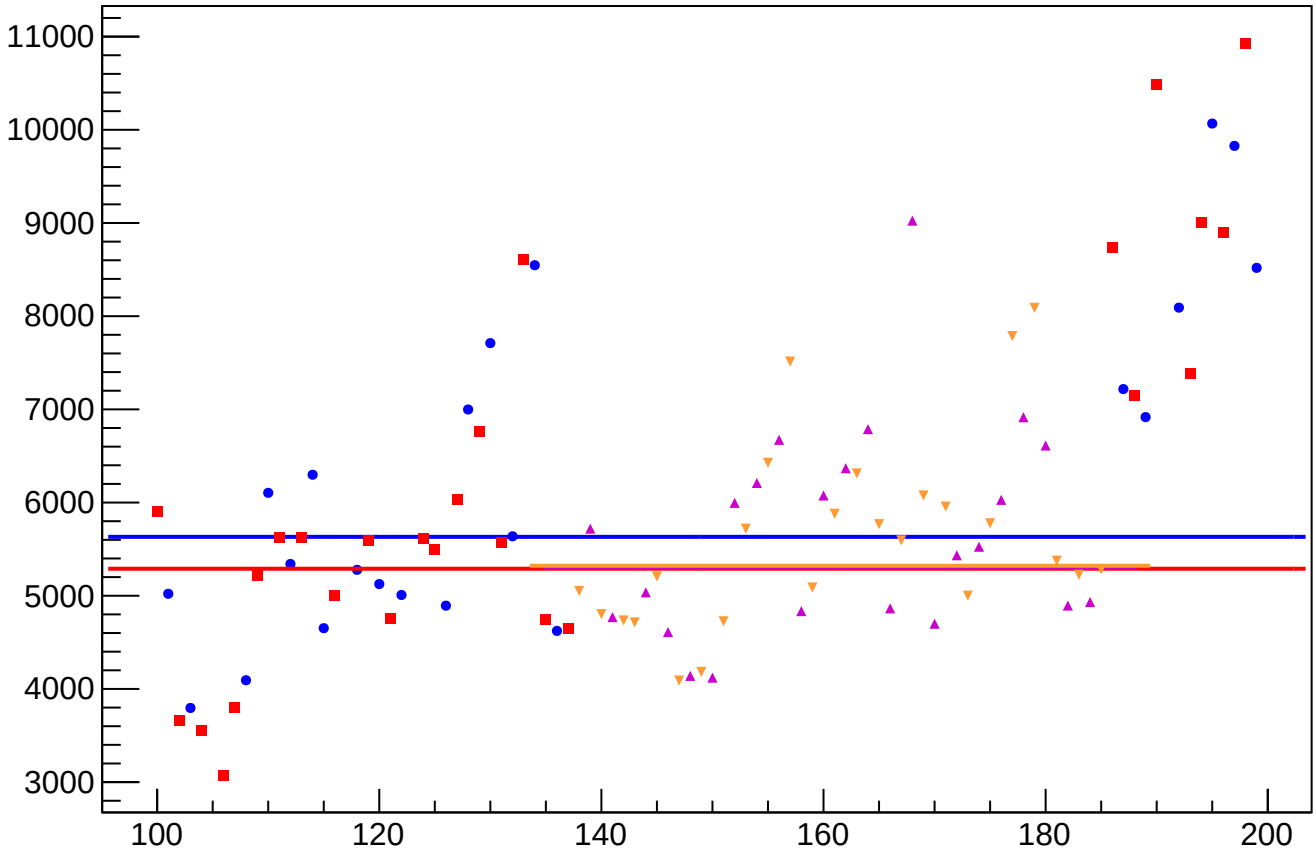
Right: 1669.866+/-0.243 χ^2/NDF: 557691.7/47

In: 1616.991+/-0.210 χ^2/NDF:372563.7/44

Out: 1620.497+/-0.204 χ^2/NDF:368550.0/50

All: 1618.793+/-0.146 χ^2/NDF: 741257.3/95


asym_usr_atr2_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
−40000
−50000
100
120
140
160
180
200
Right In: -265.205+/-1736.916 χ²/NDF: 22.1/21
Left Out: 601.817+/-1233.561 χ²/NDF:26.0/24
Right Out: -2236.817+/-1588.215 χ²/NDF: 23.6/25
Left In: -255.907+/-1262.609 χ²/NDF:14.6/22
Left: 182.935+/-882.350 χ²/NDF: 40.9/47
Right: -1339.007+/-1172.089 χ²/NDF: 46.4/47
In: -259.122+/-1021.286 χ²/NDF:36.7/44
Out: -466.275+/-974.224 χ²/NDF:51.6/50
All: -367.581+/-704.931 χ²/NDF: 88.4/95



Right In: 5632.214+/-1.228 χ^2/NDF: 1836883.1/21

Left Out: 5321.965+/-0.872 χ^2/NDF:1037011.4/24

Right Out: 5289.947+/-1.123 χ^2/NDF: 2703307.9/25

Left In: 5302.858+/-0.893 χ^2/NDF:1152380.1/22

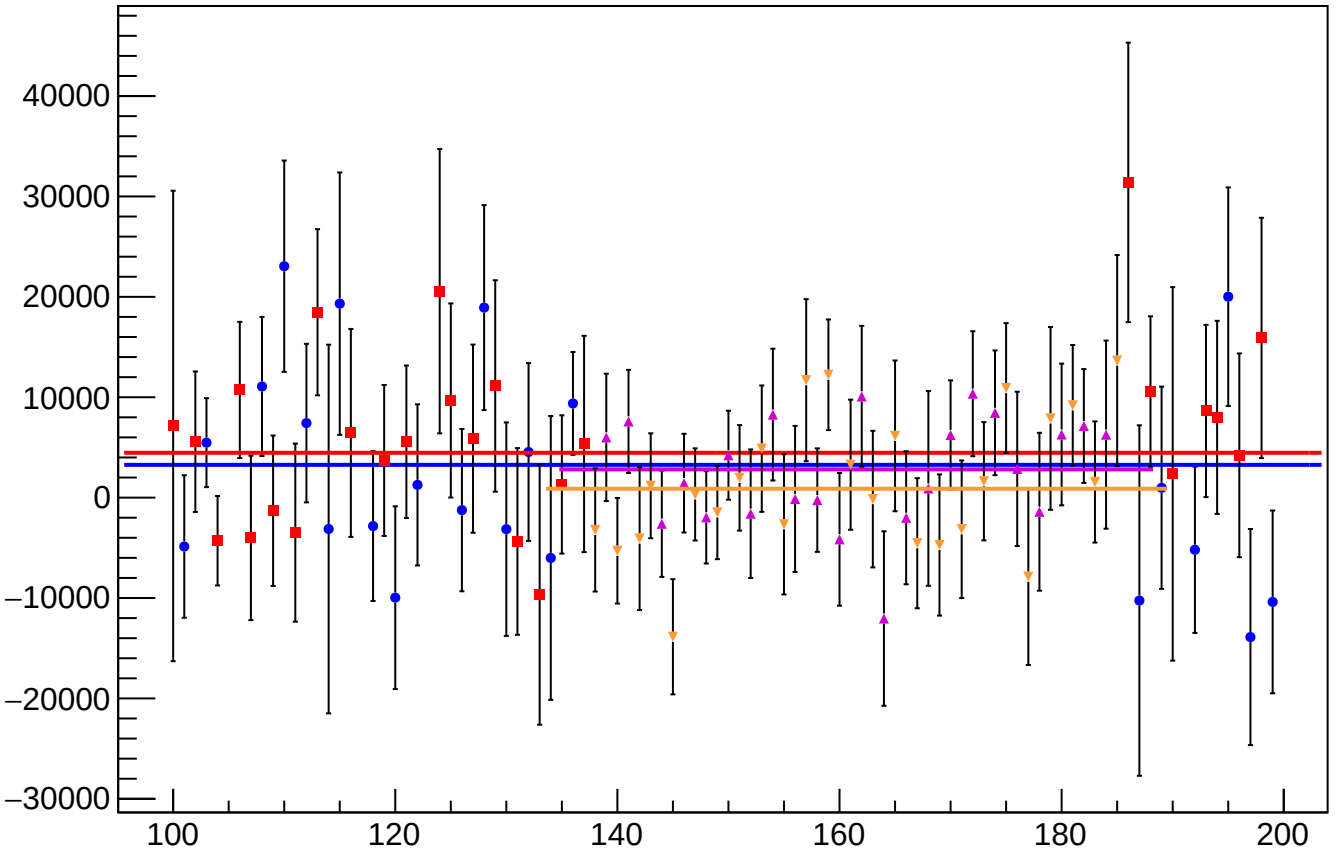
Left: 5312.634+/-0.624 χ^2/NDF: 2189625.8/47

Right: 5445.805+/-0.829 χ^2/NDF: 4582487.6/47

In: 5416.727+/-0.722 χ^2/NDF:3036313.3/44

Out: 5309.918+/-0.689 χ^2/NDF:3740826.3/50

All: 5360.805+/-0.498 χ^2/NDF: 6788592.7/95



Right In: 3265.842+/-1774.529 χ^2/NDF: 24.9/21

Left Out: 885.482+/-1246.500 χ^2/NDF:25.7/24

Right Out: 4465.893+/-1692.784 χ^2/NDF: 20.2/25

Left In: 2810.702+/-1277.225 χ^2/NDF:14.7/22

Left: 1824.657+/-892.073 χ^2/NDF: 41.5/47

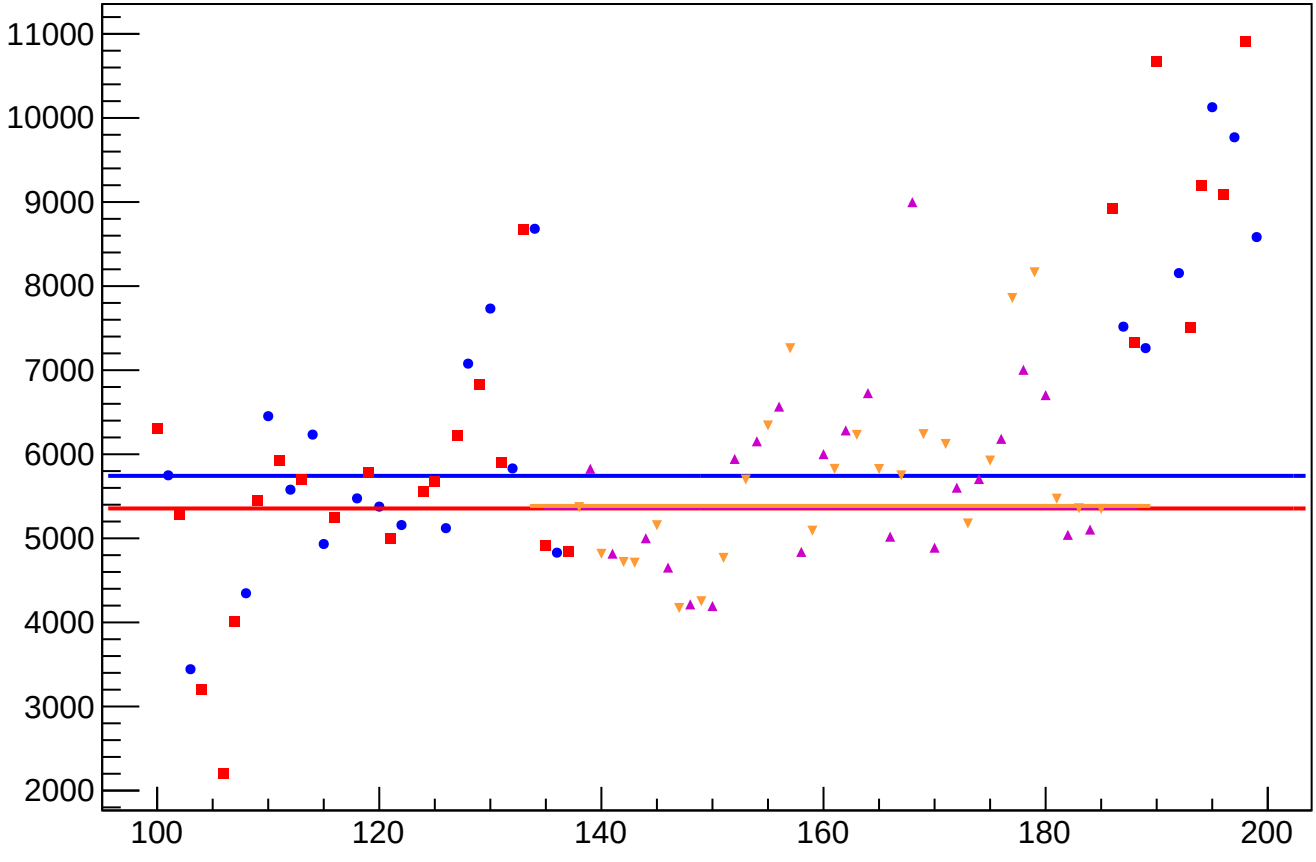
Right: 3894.144+/-1224.858 χ^2/NDF: 45.3/47

In: 2966.022+/-1036.633 χ^2/NDF:39.6/44

Out: 2144.309+/-1003.733 χ^2/NDF:48.7/50

All: 2541.919+/-721.097 χ^2/NDF: 88.7/95

asym_usr_atr2_avg_rms vs Slug, Sign Corrected



Right In: 5743.066+/-1.255 χ^2/NDF: 1956738.8/21

Left Out: 5385.653+/-0.881 χ^2/NDF:987089.3/24

Right Out: 5355.334+/-1.160 χ^2/NDF: 3227008.2/25

Left In: 5372.867+/-0.903 χ^2/NDF:1071821.2/22

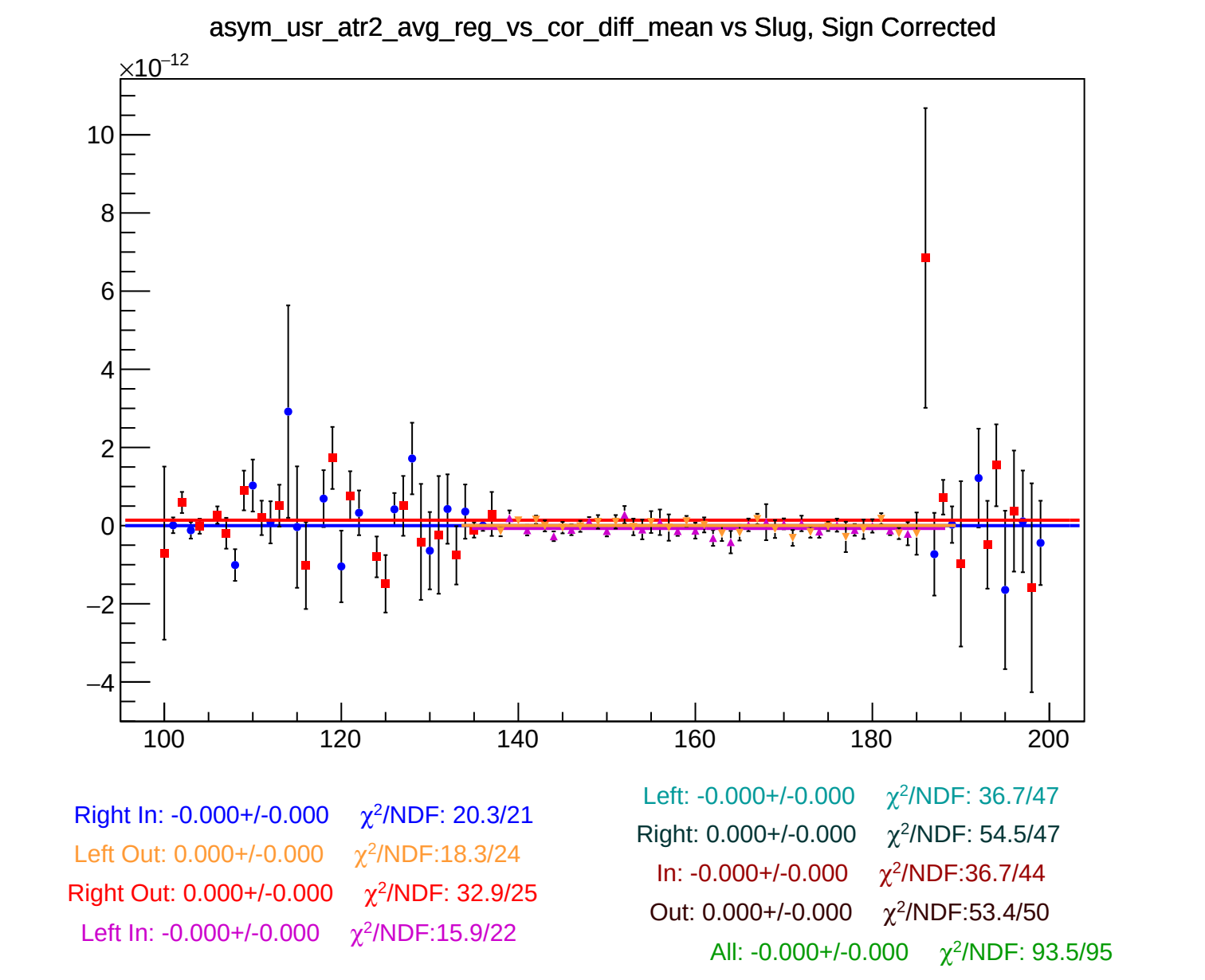
Left: 5379.416+/-0.631 χ^2/NDF: 2059013.2/47

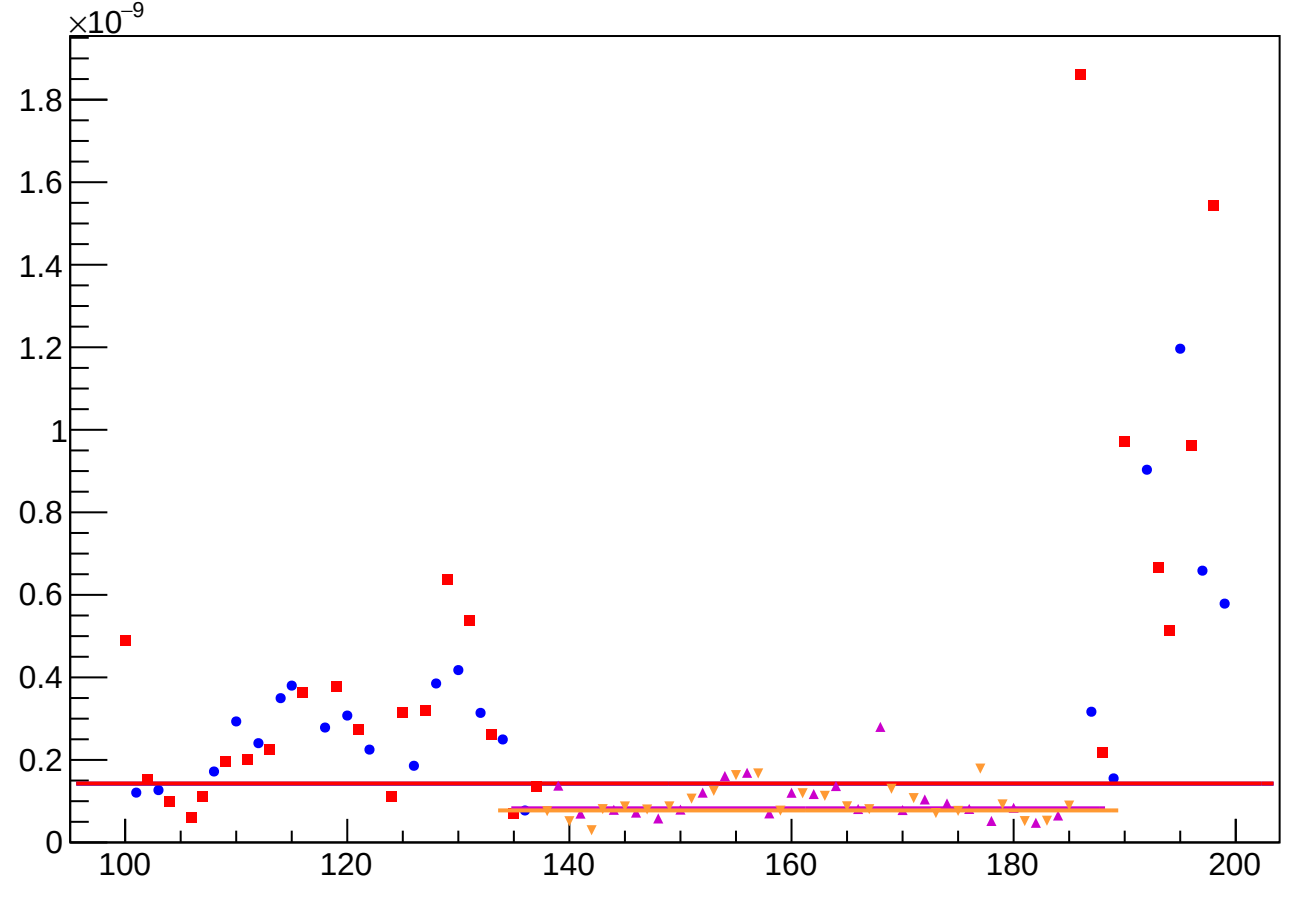
Right: 5533.922+/-0.852 χ^2/NDF: 5235250.6/47

In: 5499.200+/-0.733 χ^2/NDF:3085898.8/44

Out: 5374.550+/-0.702 χ^2/NDF:4214530.7/50

All: 5434.155+/-0.507 χ^2/NDF: 7315519.6/95


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: 20.3/21
Left Out: 0.000+/-0.000 χ²/NDF:18.3/24
Right Out: 0.000+/-0.000 χ²/NDF: 32.9/25
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: 54.5/47
In: -0.000+/-0.000 χ²/NDF:36.7/44
Out: 0.000+/-0.000 χ²/NDF:53.4/50
All: -0.000+/-0.000 χ²/NDF: 93.5/95



Right In: 0.000+/-0.000 χ^2/NDF: 3331262.5/21

Left Out: 0.000+/-0.000 χ^2/NDF:1642881.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4356148.6/25

Left In: 0.000+/-0.000 χ^2/NDF:1552521.9/22

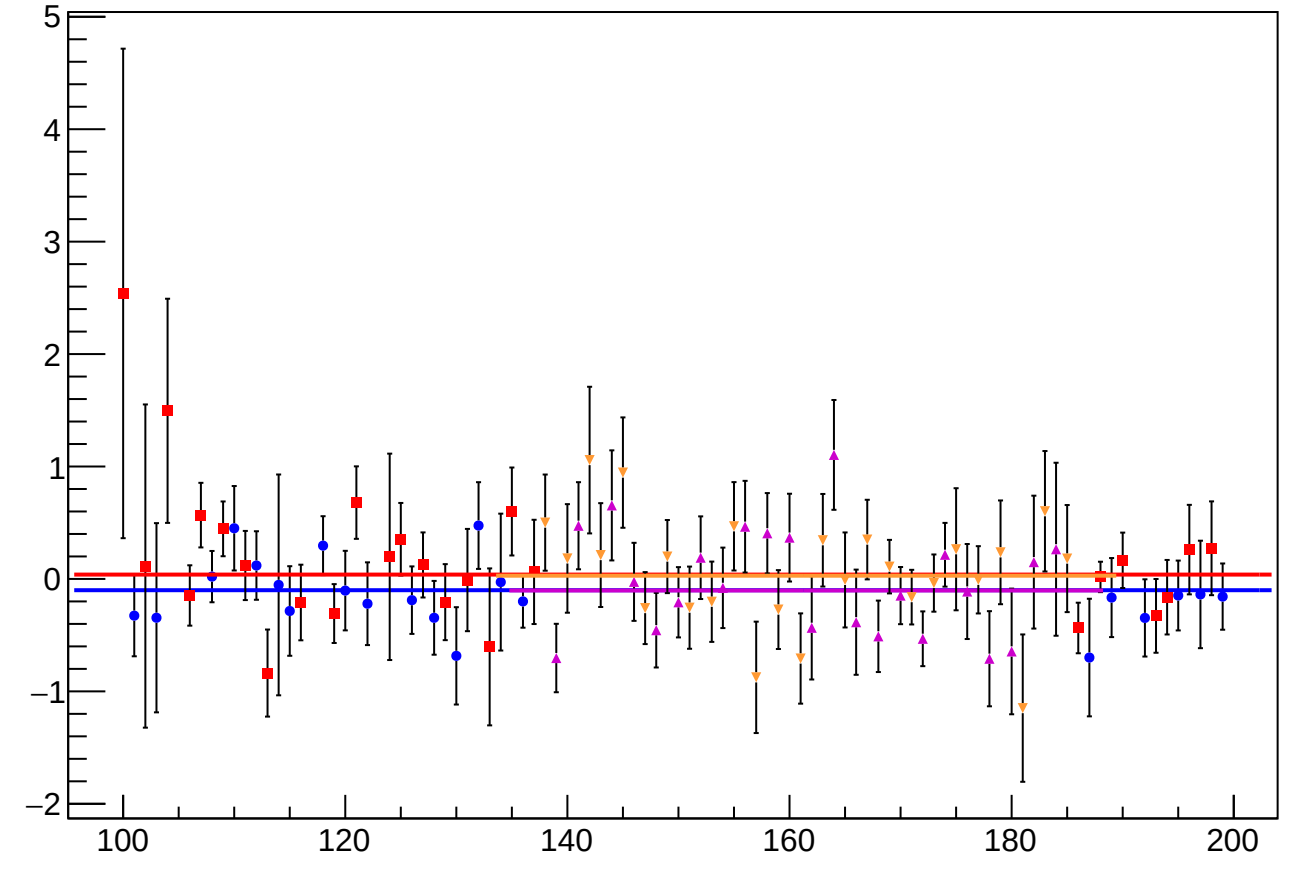
Left: 0.000+/-0.000 χ^2/NDF: 3219165.7/47

Right: 0.000+/-0.000 χ^2/NDF: 7687453.5/47

In: 0.000+/-0.000 χ^2/NDF:5747011.2/44

Out: 0.000+/-0.000 χ^2/NDF:6994005.4/50

All: 0.000+/-0.000 χ^2/NDF: 12777590.0/95



Right In: -0.100+/-0.074 χ^2/NDF: 12.9/21

Left Out: 0.029+/-0.075 χ^2/NDF:25.3/24

Right Out: 0.039+/-0.061 χ^2/NDF: 33.1/25

Left In: -0.103+/-0.076 χ^2/NDF:32.3/22

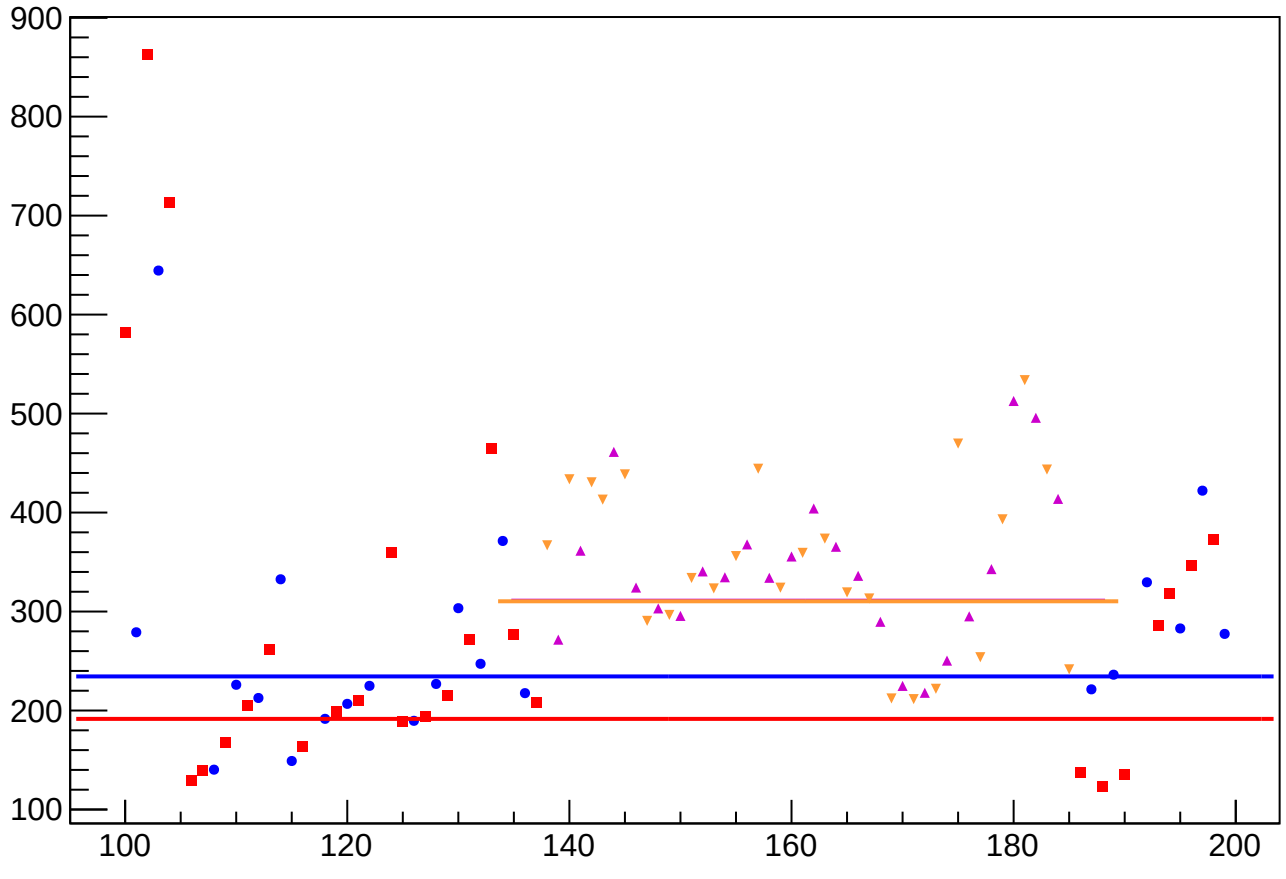
Left: -0.036+/-0.053 χ^2/NDF: 59.1/47

Right: -0.018+/-0.047 χ^2/NDF: 48.0/47

In: -0.101+/-0.053 χ^2/NDF:45.1/44

Out: 0.035+/-0.047 χ^2/NDF:58.4/50

All: -0.026+/-0.035 χ^2/NDF: 107.2/95



Right In: 234.452+/-0.052 χ^2/NDF: 1801156.4/21

Left Out: 310.359+/-0.053 χ^2/NDF:2363086.4/24

Right Out: 191.549+/-0.043 χ^2/NDF: 3747113.1/25

Left In: 310.960+/-0.054 χ^2/NDF:1600370.0/22

Left: 310.653+/-0.038 χ^2/NDF: 3963519.7/47

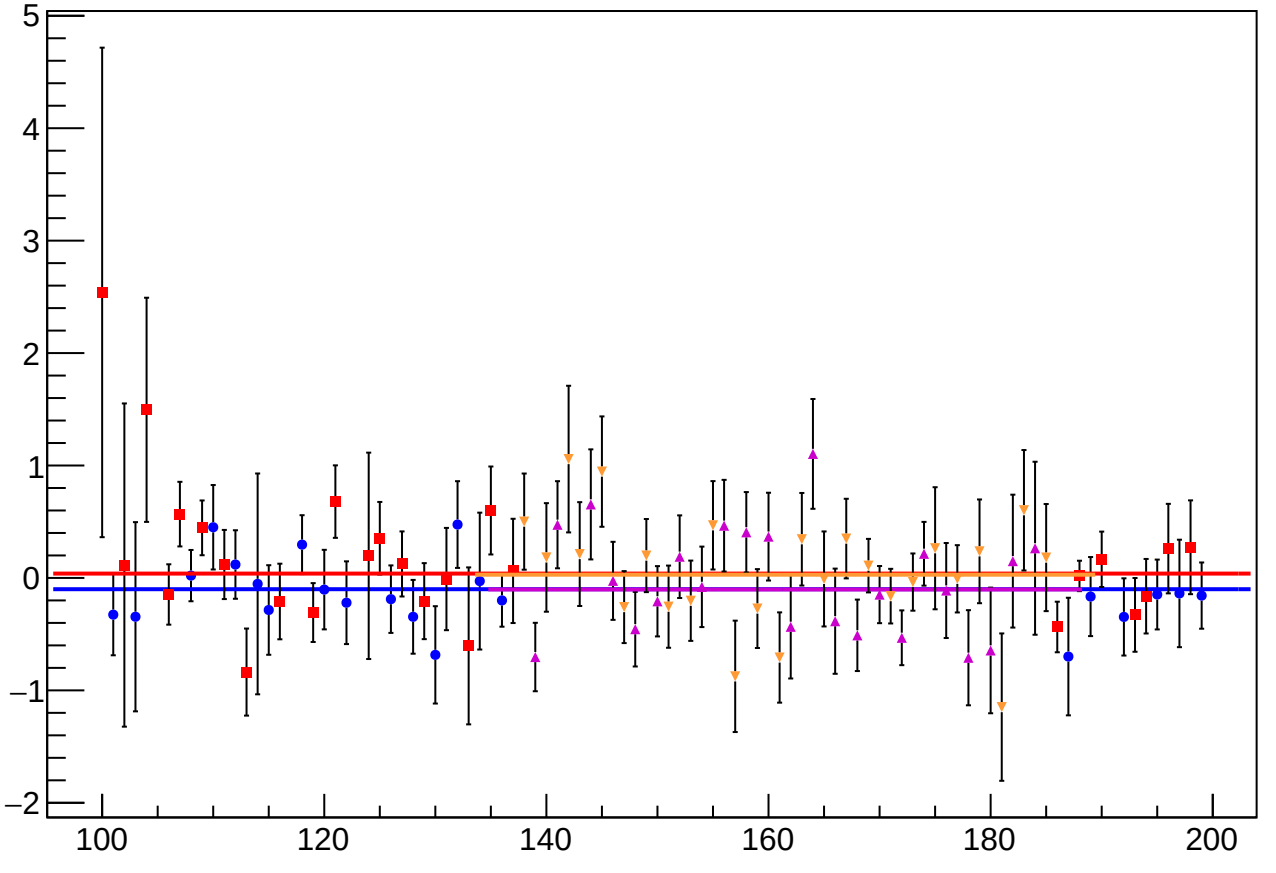
Right: 209.066+/-0.033 χ^2/NDF: 5947722.6/47

In: 271.479+/-0.038 χ^2/NDF:4440499.8/44

Out: 239.424+/-0.034 χ^2/NDF:9133499.4/50

All: 253.654+/-0.025 χ^2/NDF: 13980094.4/95

asym_usr_atr2_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.100+/-0.074 χ^2/NDF: 12.9/21

Left Out: 0.029+/-0.075 χ^2/NDF:25.3/24

Right Out: 0.039+/-0.061 χ^2/NDF: 33.1/25

Left In: -0.103+/-0.076 χ^2/NDF:32.3/22

Left: -0.036+/-0.053 χ^2/NDF: 59.1/47

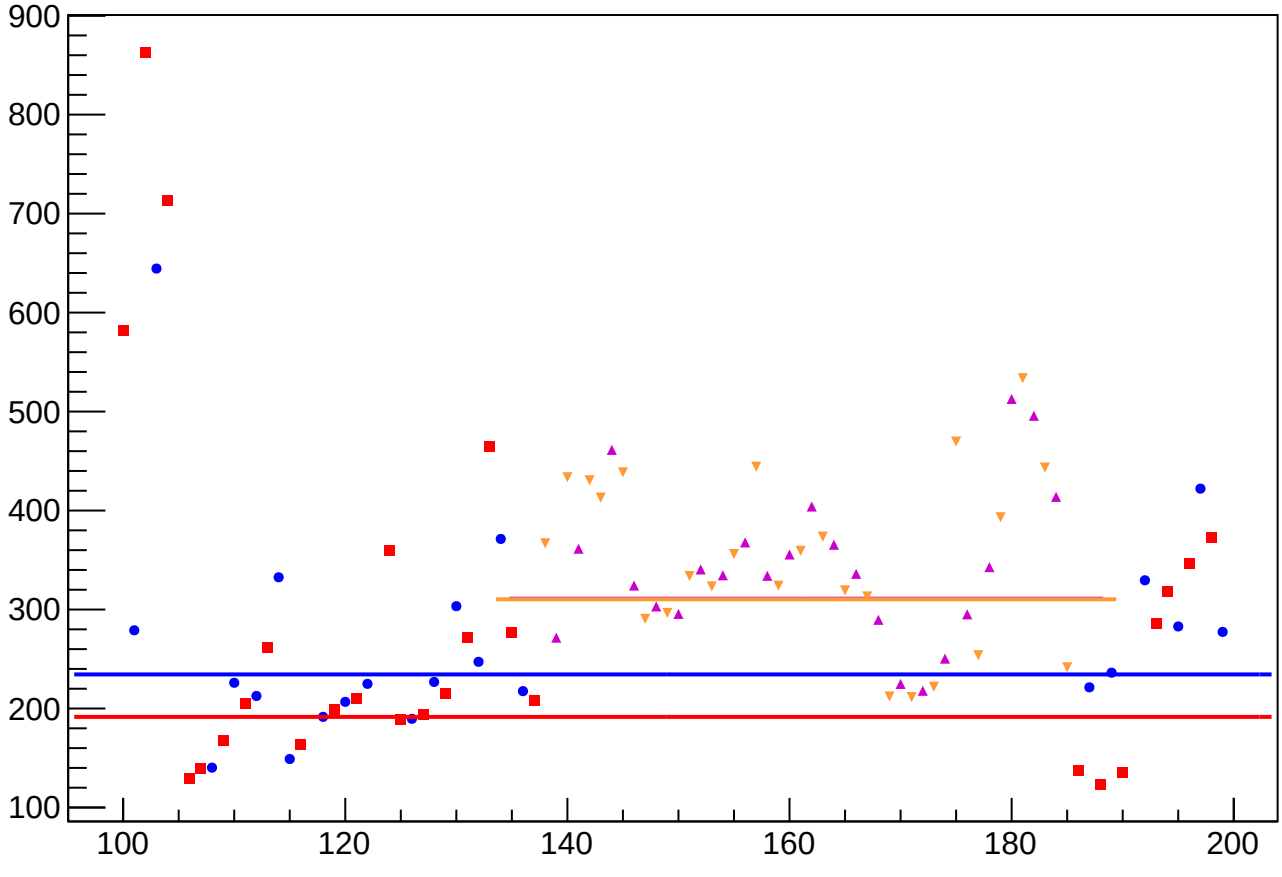
Right: -0.018+/-0.047 χ^2/NDF: 48.0/47

In: -0.101+/-0.053 χ^2/NDF:45.1/44

Out: 0.035+/-0.047 χ^2/NDF:58.4/50

All: -0.026+/-0.035 χ^2/NDF: 107.2/95

asym_usr_atr2_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 234.452+/-0.052 χ^2/NDF: 1801156.4/21

Left Out: 310.359+/-0.053 χ^2/NDF:2363086.4/24

Right Out: 191.549+/-0.043 χ^2/NDF: 3747113.1/25

Left In: 310.960+/-0.054 χ^2/NDF:1600370.0/22

Left: 310.653+/-0.038 χ^2/NDF: 3963519.7/47

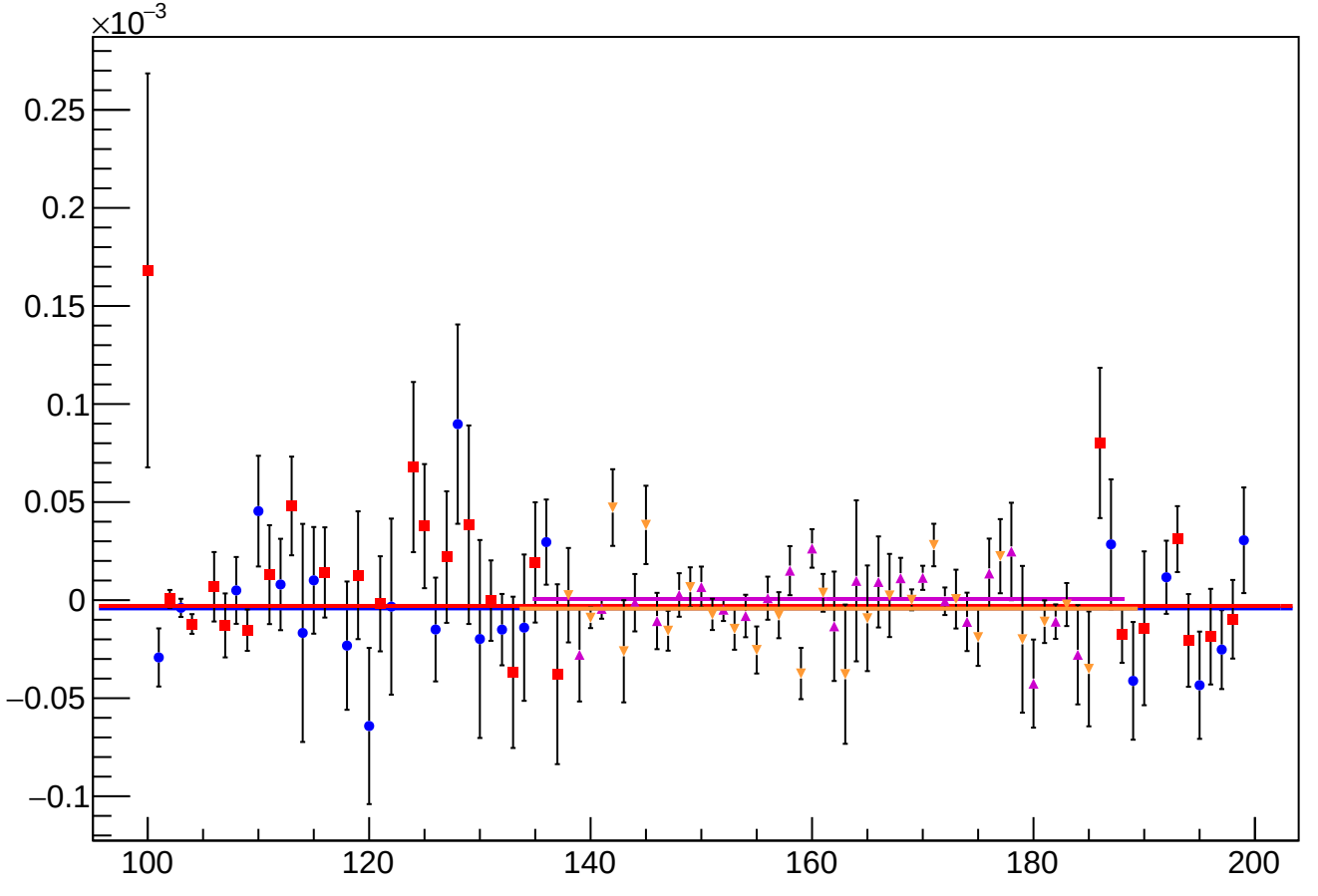
Right: 209.066+/-0.033 χ^2/NDF: 5947722.6/47

In: 271.479+/-0.038 χ^2/NDF:4440499.8/44

Out: 239.424+/-0.034 χ^2/NDF:9133499.4/50

All: 253.654+/-0.025 χ^2/NDF: 13980094.4/95

asym_usr_atr2_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 24.0/21

Left Out: -0.000+/-0.000 χ^2/NDF:42.3/24

Right Out: -0.000+/-0.000 χ^2/NDF: 32.6/25

Left In: 0.000+/-0.000 χ^2/NDF:26.6/22

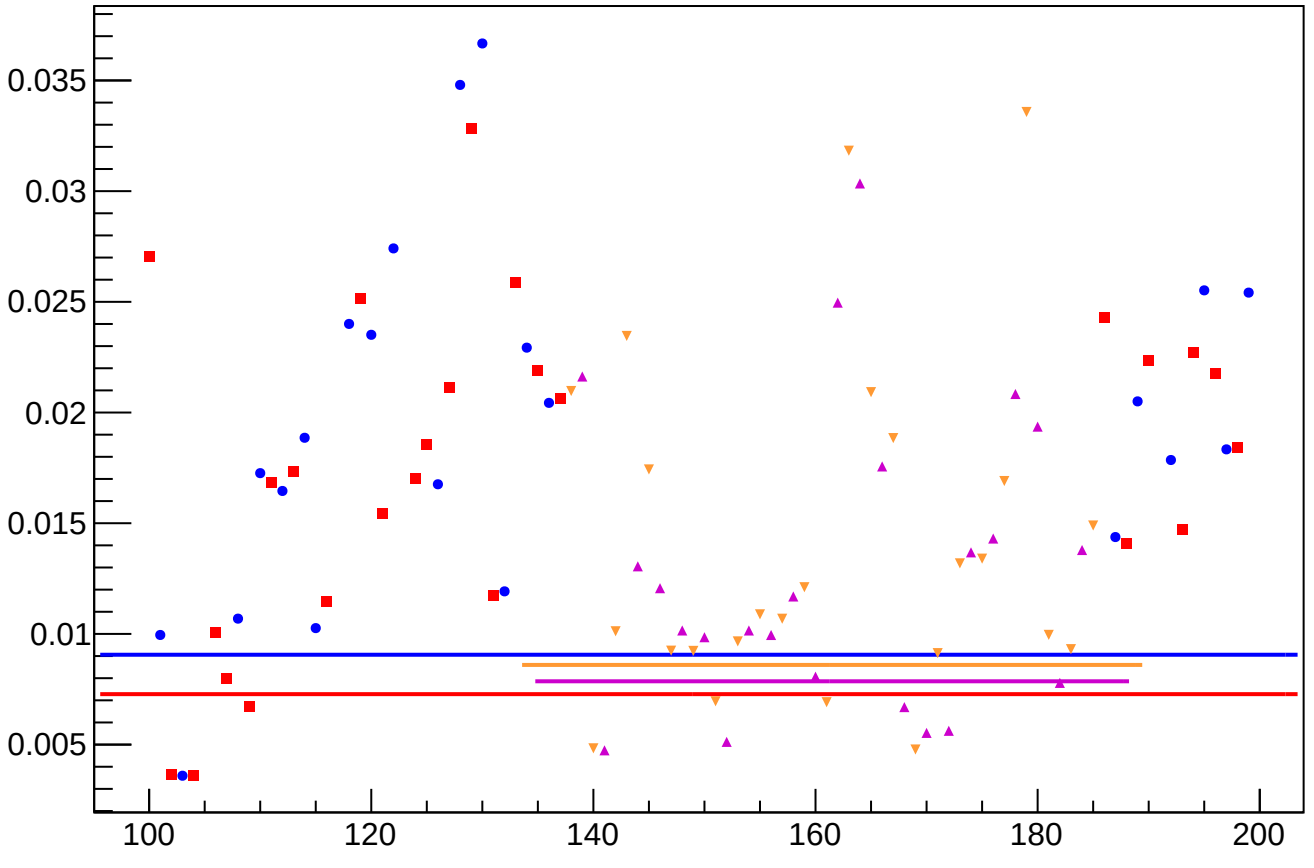
Left: -0.000+/-0.000 χ^2/NDF: 71.4/47

Right: -0.000+/-0.000 χ^2/NDF: 56.6/47

In: -0.000+/-0.000 χ^2/NDF:51.9/44

Out: -0.000+/-0.000 χ^2/NDF:75.0/50

All: -0.000+/-0.000 χ^2/NDF: 128.4/95



Right In: 0.009+/-0.000 χ^2/NDF: 9100394.1/21

Left Out: 0.009+/-0.000 χ^2/NDF:7653564.7/24

Right Out: 0.007+/-0.000 χ^2/NDF: 10040420.1/25

Left In: 0.008+/-0.000 χ^2/NDF:6779815.5/22

Left: 0.008+/-0.000 χ^2/NDF: 14546579.4/47

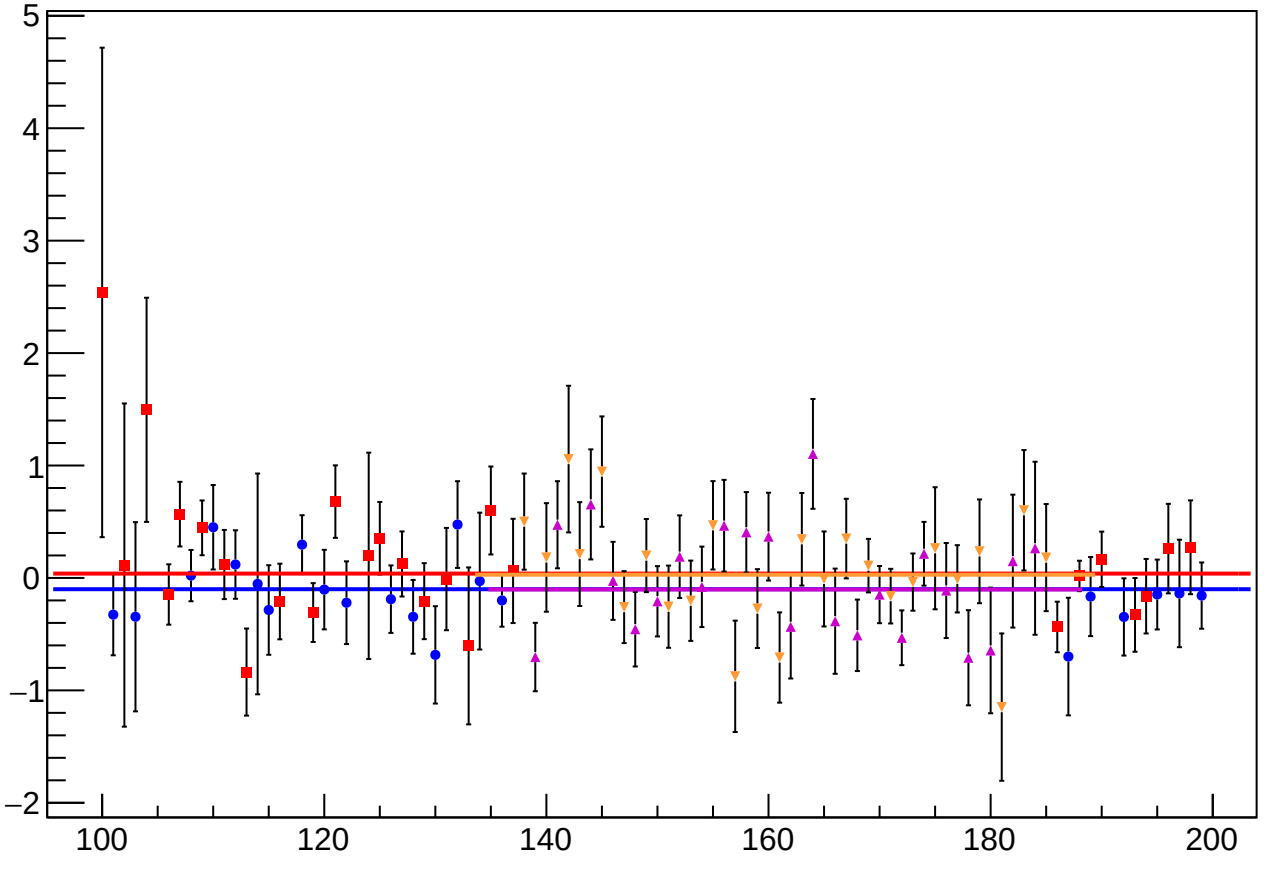
Right: 0.008+/-0.000 χ^2/NDF: 19458117.1/47

In: 0.008+/-0.000 χ^2/NDF:16047966.7/44

Out: 0.008+/-0.000 χ^2/NDF:17973230.9/50

All: 0.008+/-0.000 χ^2/NDF: 34025517.5/95

asym_usr_atr2_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.100+/-0.074 χ^2/NDF: 12.9/21

Left Out: 0.029+/-0.075 χ^2/NDF:25.3/24

Right Out: 0.039+/-0.061 χ^2/NDF: 33.1/25

Left In: -0.103+/-0.076 χ^2/NDF:32.3/22

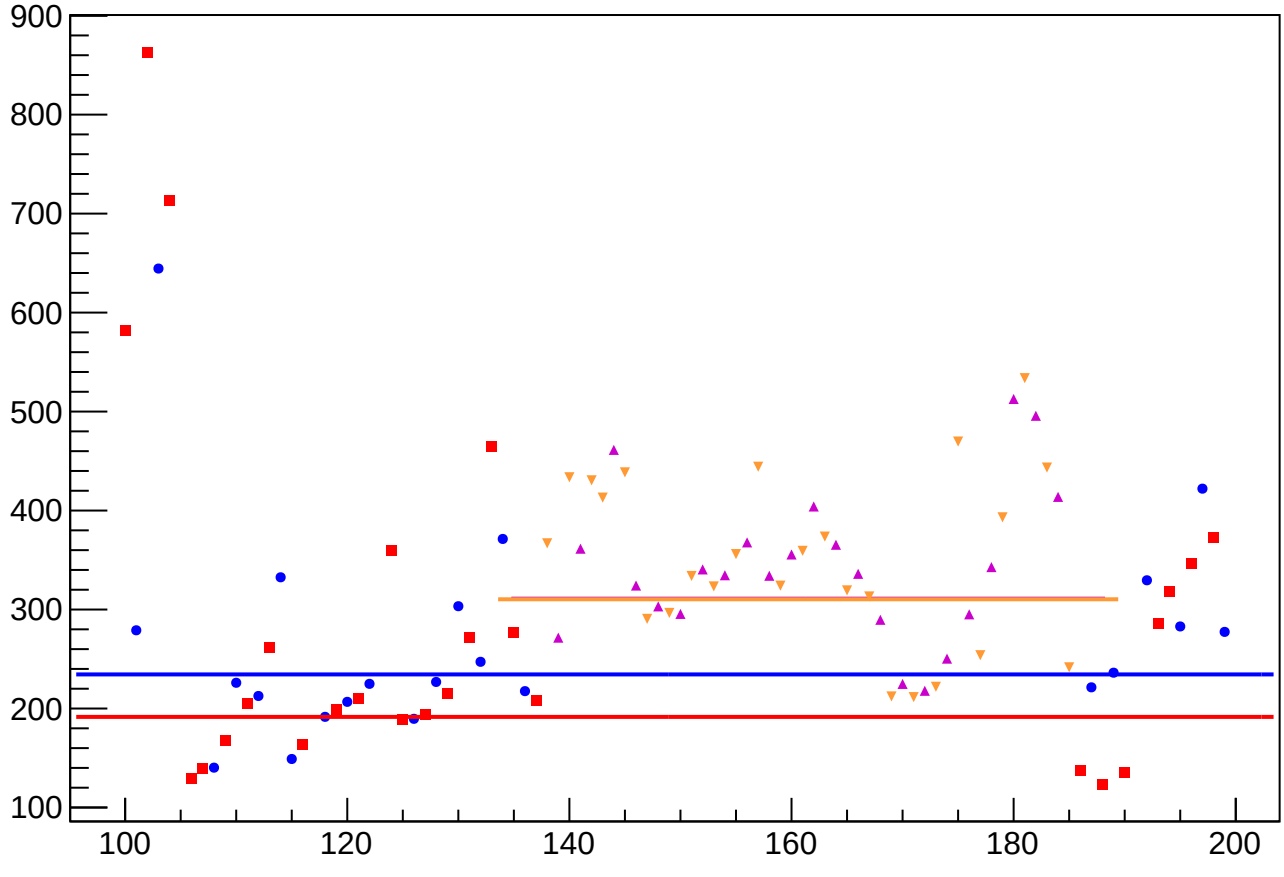
Left: -0.036+/-0.053 χ^2/NDF: 59.1/47

Right: -0.018+/-0.047 χ^2/NDF: 48.0/47

In: -0.101+/-0.053 χ^2/NDF:45.1/44

Out: 0.035+/-0.047 χ^2/NDF:58.4/50

All: -0.026+/-0.035 χ^2/NDF: 107.2/95



Right In: 234.451+/-0.052 χ^2/NDF: 1801136.0/21

Left Out: 310.362+/-0.053 χ^2/NDF:2363148.8/24

Right Out: 191.547+/-0.043 χ^2/NDF: 3747221.0/25

Left In: 310.963+/-0.054 χ^2/NDF:1600401.1/22

Left: 310.656+/-0.038 χ^2/NDF: 3963613.3/47

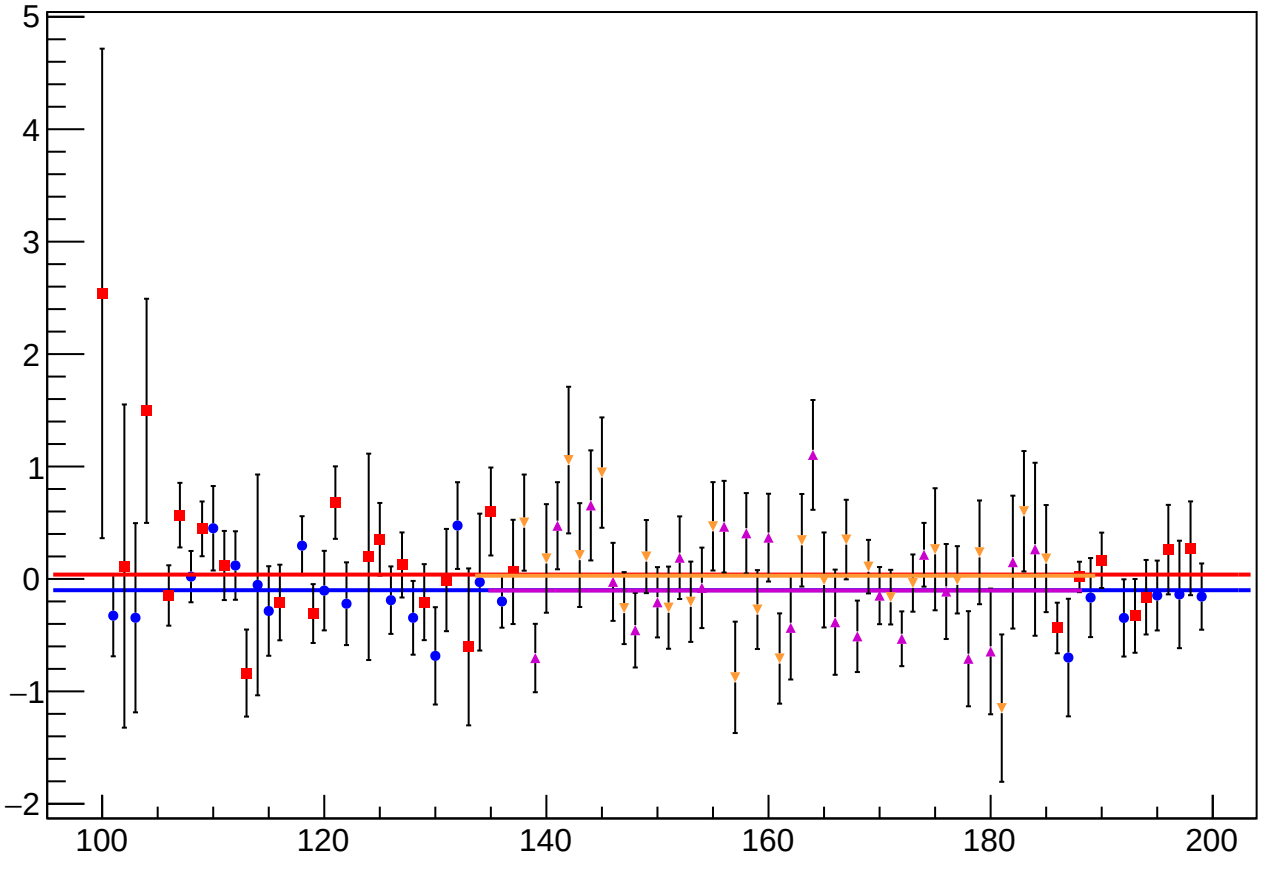
Right: 209.064+/-0.033 χ^2/NDF: 5947853.6/47

In: 271.480+/-0.038 χ^2/NDF:4440617.3/44

Out: 239.422+/-0.034 χ^2/NDF:9133968.5/50

All: 253.654+/-0.025 χ^2/NDF: 13980739.3/95

asym_usr_atr2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.100+/-0.074 χ^2/NDF: 12.9/21

Left Out: 0.029+/-0.075 χ^2/NDF:25.3/24

Right Out: 0.039+/-0.061 χ^2/NDF: 33.1/25

Left In: -0.103+/-0.076 χ^2/NDF:32.3/22

Left: -0.036+/-0.053 χ^2/NDF: 59.1/47

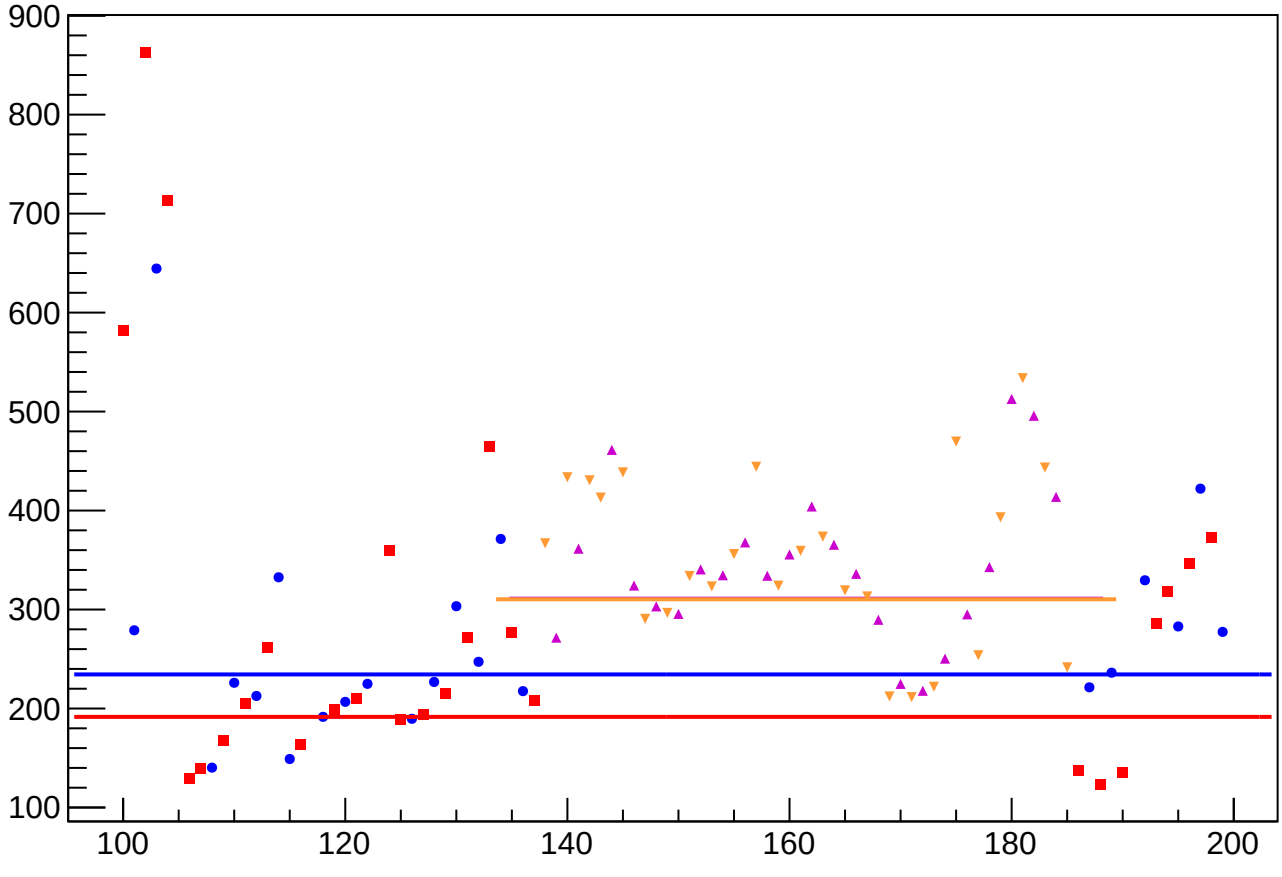
Right: -0.018+/-0.047 χ^2/NDF: 48.0/47

In: -0.101+/-0.053 χ^2/NDF:45.1/44

Out: 0.035+/-0.047 χ^2/NDF:58.4/50

All: -0.026+/-0.035 χ^2/NDF: 107.2/95

asym_usr_atr2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 234.451+/-0.052 χ^2/NDF: 1801136.0/21

Left Out: 310.362+/-0.053 χ^2/NDF:2363148.8/24

Right Out: 191.547+/-0.043 χ^2/NDF: 3747221.0/25

Left In: 310.963+/-0.054 χ^2/NDF:1600401.1/22

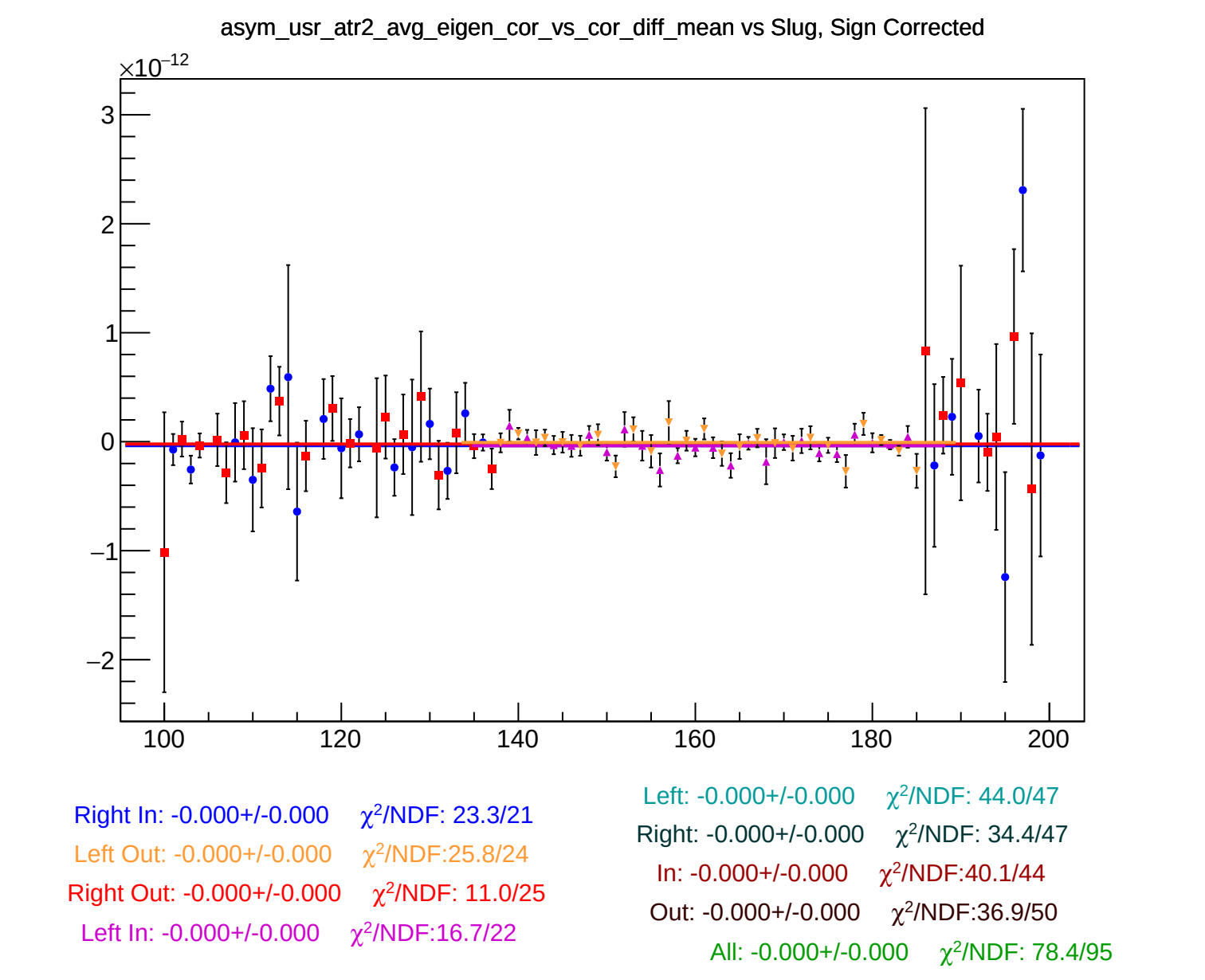
Left: 310.656+/-0.038 χ^2/NDF: 3963613.3/47

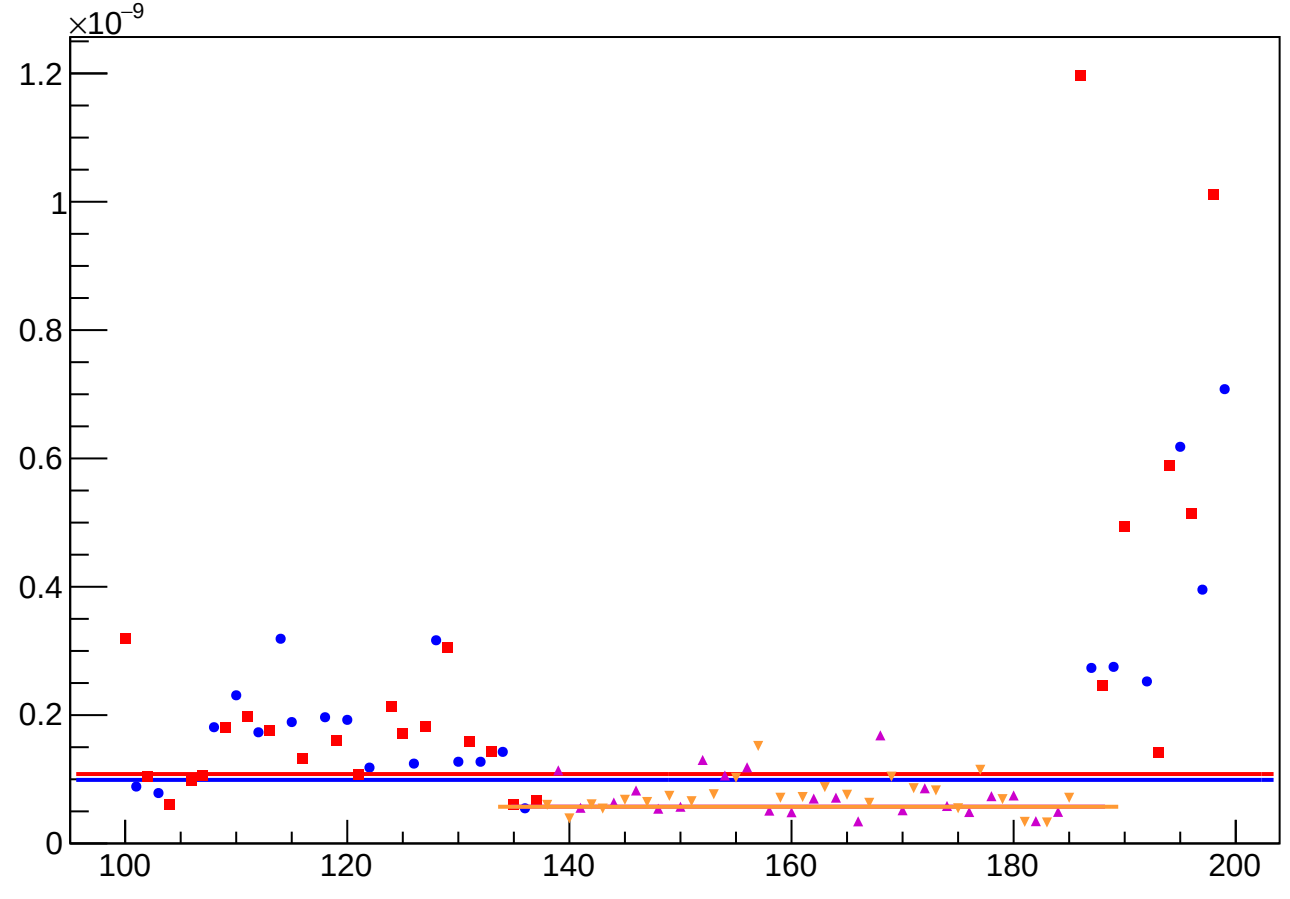
Right: 209.064+/-0.033 χ^2/NDF: 5947853.6/47

In: 271.480+/-0.038 χ^2/NDF:4440617.3/44

Out: 239.422+/-0.034 χ^2/NDF:9133968.5/50

All: 253.654+/-0.025 χ^2/NDF: 13980739.3/95


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: 23.3/21
Left Out: -0.000+/-0.000 χ²/NDF:25.8/24
Right Out: -0.000+/-0.000 χ²/NDF: 11.0/25
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: 34.4/47
In: -0.000+/-0.000 χ²/NDF:40.1/44
Out: -0.000+/-0.000 χ²/NDF:36.9/50
All: -0.000+/-0.000 χ²/NDF: 78.4/95



Right In: 0.000+/-0.000 χ^2/NDF: 4221115.1/21

Left Out: 0.000+/-0.000 χ^2/NDF:3337849.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4776415.8/25

Left In: 0.000+/-0.000 χ^2/NDF:3299416.7/22

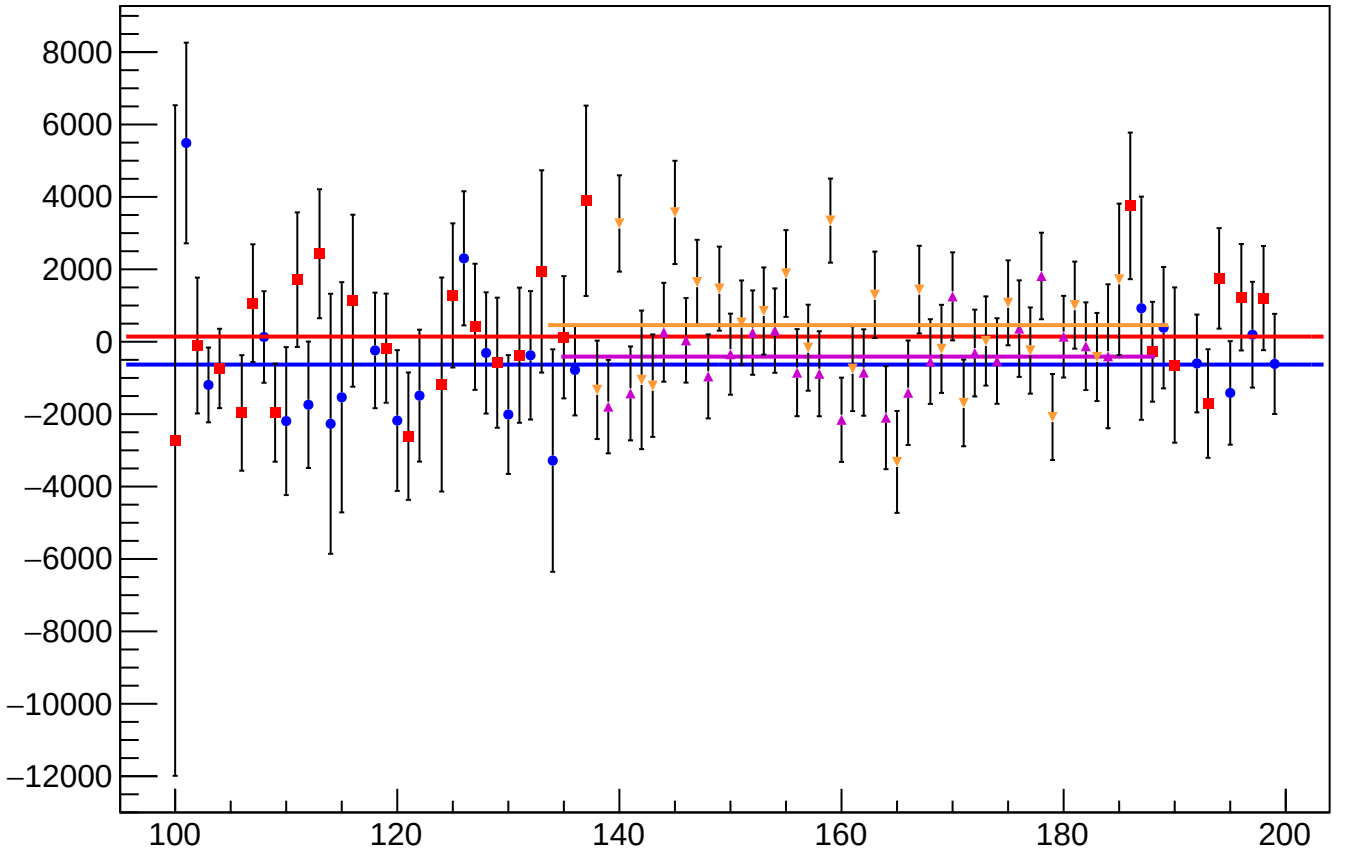
Left: 0.000+/-0.000 χ^2/NDF: 6637359.5/47

Right: 0.000+/-0.000 χ^2/NDF: 9030861.5/47

In: 0.000+/-0.000 χ^2/NDF:8801775.3/44

Out: 0.000+/-0.000 χ^2/NDF:9930544.8/50

All: 0.000+/-0.000 χ^2/NDF: 18732732.3/95



Right In: -631.094+/-354.331 χ^2/NDF: 13.0/21

Left Out: 458.782+/-251.538 χ^2/NDF:42.1/24

Right Out: 142.045+/-337.023 χ^2/NDF: 20.9/25

Left In: -411.262+/-257.201 χ^2/NDF:13.7/22

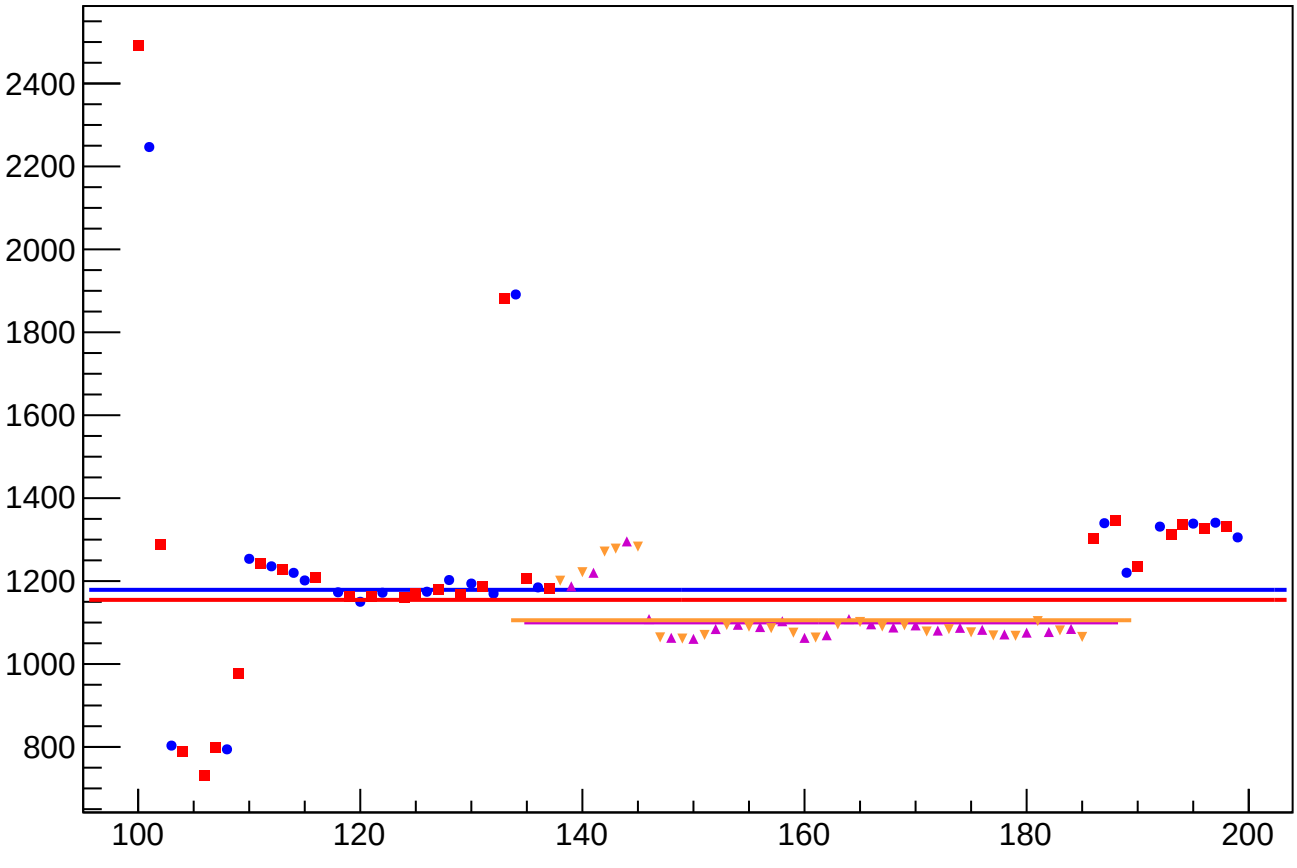
Left: 33.443+/-179.833 χ^2/NDF: 61.6/47

Right: -225.182+/-244.201 χ^2/NDF: 36.4/47

In: -487.121+/-208.146 χ^2/NDF:26.9/44

Out: 345.468+/-201.583 χ^2/NDF:63.5/50

All: -57.494+/-144.805 χ^2/NDF: 98.7/95



Right In: 1178.916+/-0.251 χ^2/NDF: 959232.4/21

Left Out: 1105.549+/-0.178 χ^2/NDF:121950.0/24

Right Out: 1154.697+/-0.237 χ^2/NDF: 893595.3/25

Left In: 1100.350+/-0.182 χ^2/NDF:80240.5/22

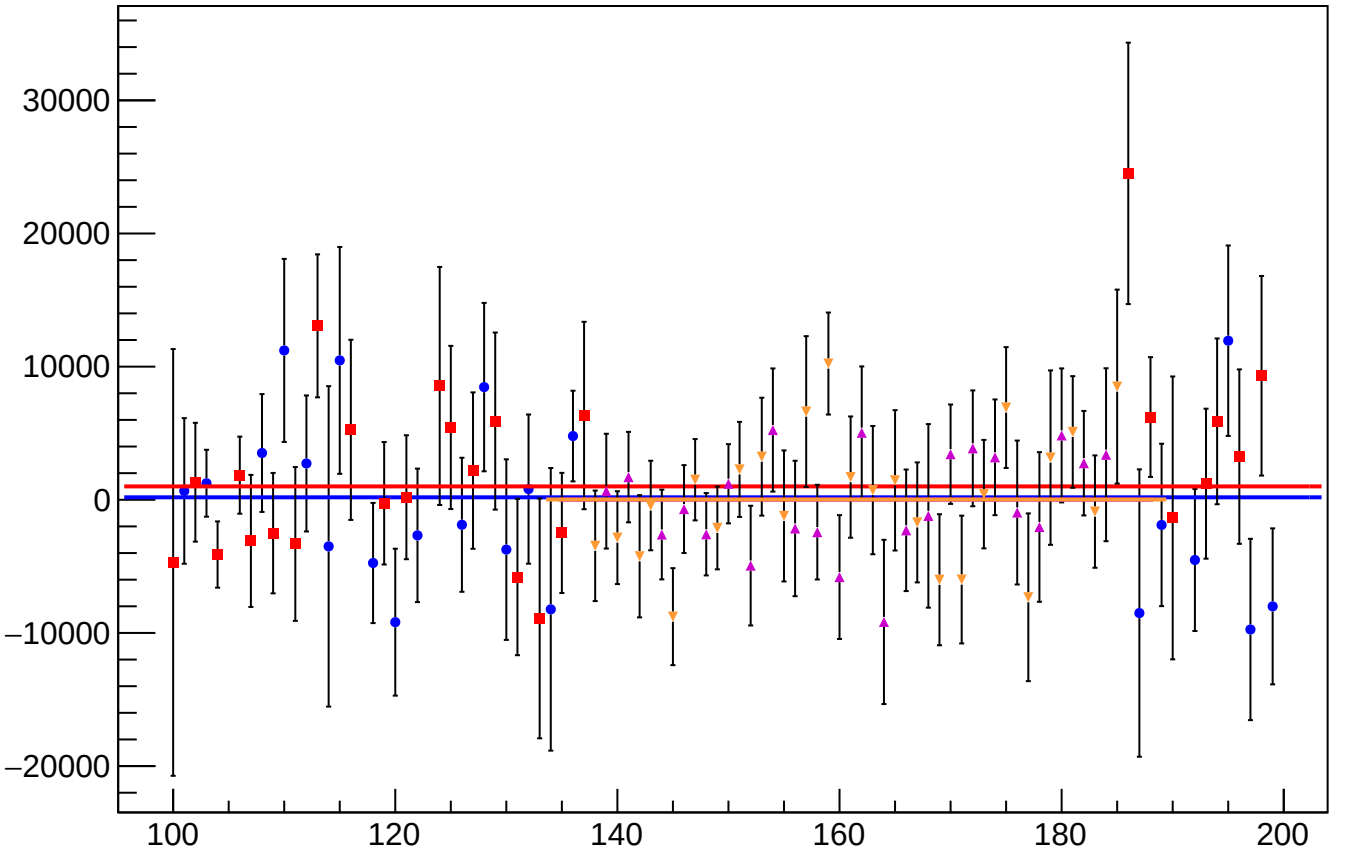
Left: 1103.007+/-0.127 χ^2/NDF: 202608.2/47

Right: 1166.133+/-0.172 χ^2/NDF: 1857759.5/47

In: 1127.461+/-0.147 χ^2/NDF:1103870.1/44

Out: 1123.258+/-0.142 χ^2/NDF:1043057.7/50

All: 1125.288+/-0.102 χ^2/NDF: 2147349.4/95



Right In: 185.548+/-1118.778 χ^2/NDF: 22.5/21

Left Out: 23.368+/-850.404 χ^2/NDF:28.5/24

Right Out: 1005.690+/-1013.753 χ^2/NDF: 26.5/25

Left In: 6.317+/-875.256 χ^2/NDF:14.0/22

Left: 15.088+/-609.923 χ^2/NDF: 42.5/47

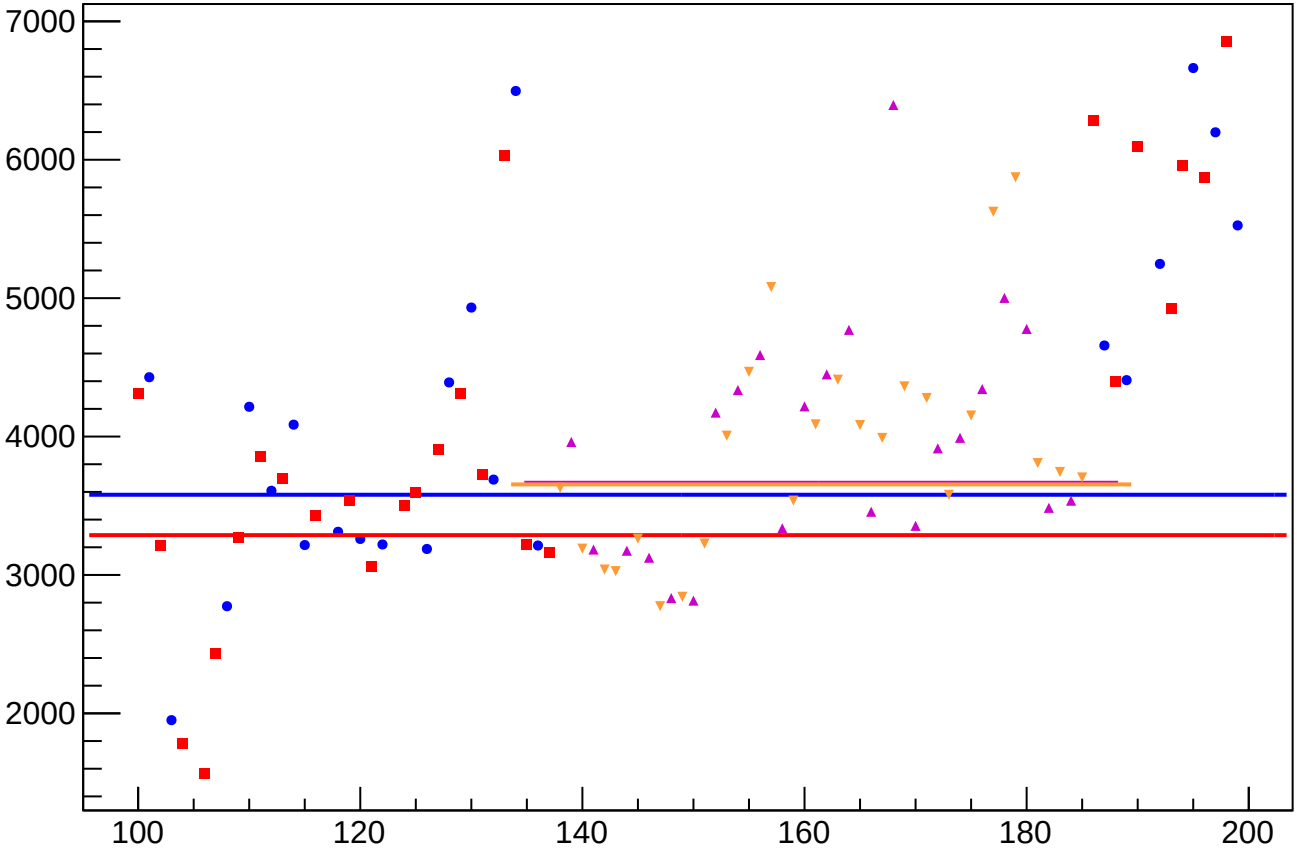
Right: 635.912+/-751.224 χ^2/NDF: 49.3/47

In: 74.365+/-689.361 χ^2/NDF:36.6/44

Out: 429.108+/-651.522 χ^2/NDF:55.5/50

All: 261.739+/-473.508 χ^2/NDF: 92.2/95

asym_usr_atr2_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 3579.553+/-0.791 χ^2/NDF: 2443797.0/21

Left Out: 3654.198+/-0.601 χ^2/NDF:1311761.6/24

Right Out: 3287.604+/-0.717 χ^2/NDF: 3573508.2/25

Left In: 3666.118+/-0.619 χ^2/NDF:1343709.3/22

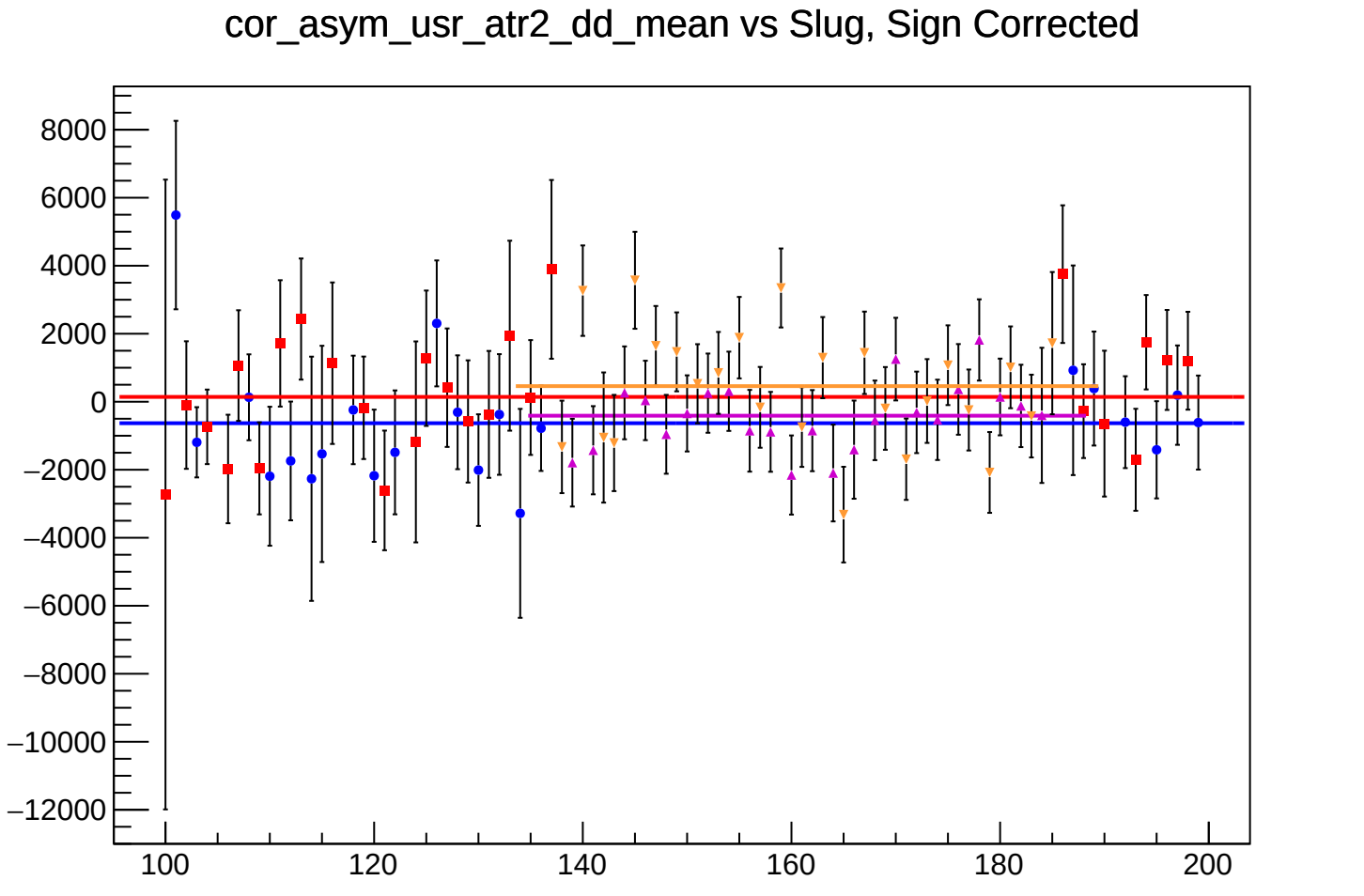
Left: 3659.986+/-0.431 χ^2/NDF: 2655661.7/47

Right: 3419.235+/-0.531 χ^2/NDF: 6092093.4/47

In: 3633.252+/-0.487 χ^2/NDF:3794933.9/44

Out: 3502.779+/-0.461 χ^2/NDF:5038782.4/50

All: 3564.337+/-0.335 χ^2/NDF: 8871558.1/95



Right In: -631.097+/-354.331 χ^2/NDF: 13.0/21

Left Out: 458.844+/-251.538 χ^2/NDF:42.1/24

Right Out: 141.855+/-337.026 χ^2/NDF: 20.9/25

Left In: -411.165+/-257.201 χ^2/NDF:13.7/22

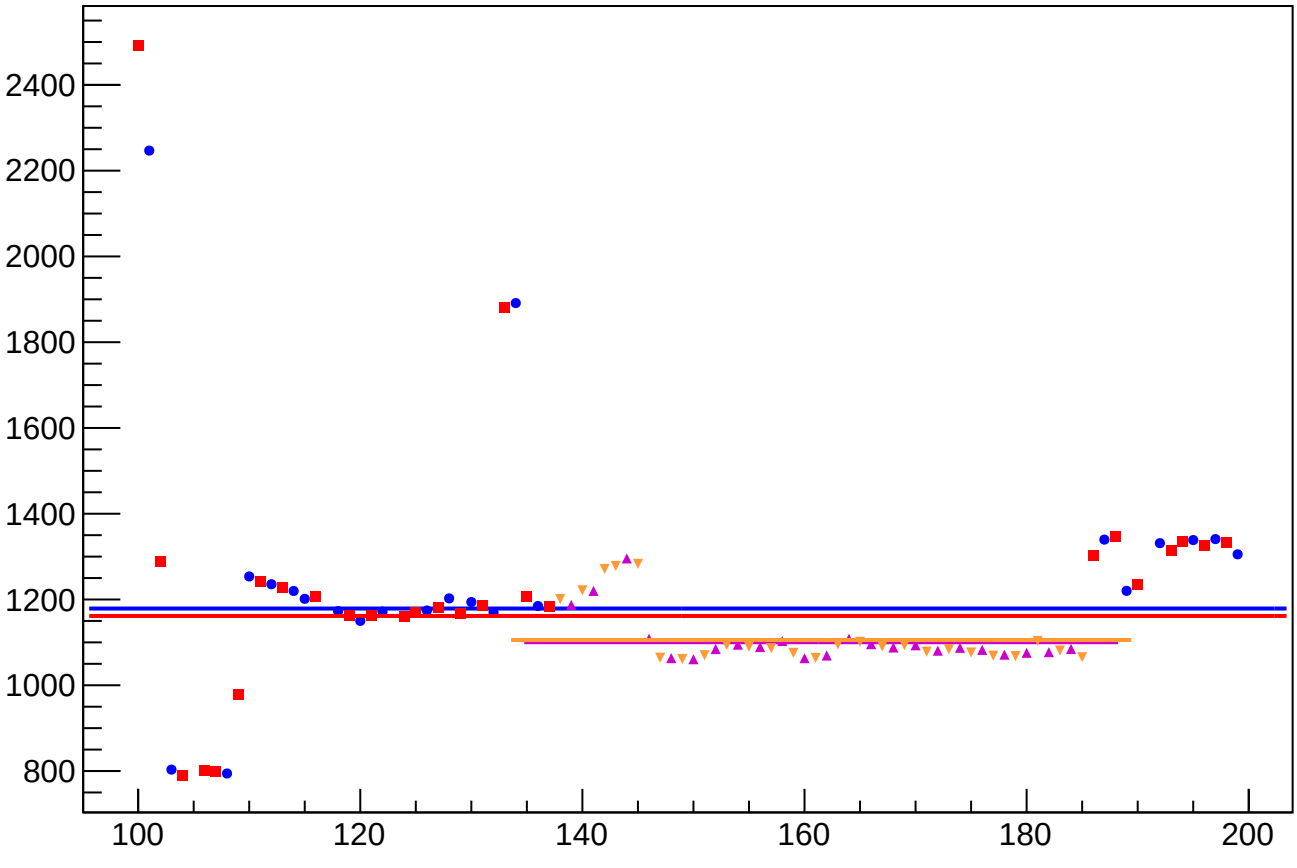
Left: 33.523+/-179.833 χ^2/NDF: 61.6/47

Right: -225.285+/-244.202 χ^2/NDF: 36.4/47

In: -487.058+/-208.146 χ^2/NDF:26.9/44

Out: 345.440+/-201.583 χ^2/NDF:63.5/50

All: -57.479+/-144.805 χ^2/NDF: 98.7/95



Right In: 1178.916+/-0.251 χ^2/NDF: 959228.1/21

Left Out: 1105.549+/-0.178 χ^2/NDF:121950.0/24

Right Out: 1161.623+/-0.238 χ^2/NDF: 820568.9/25

Left In: 1100.350+/-0.182 χ^2/NDF:80240.5/22

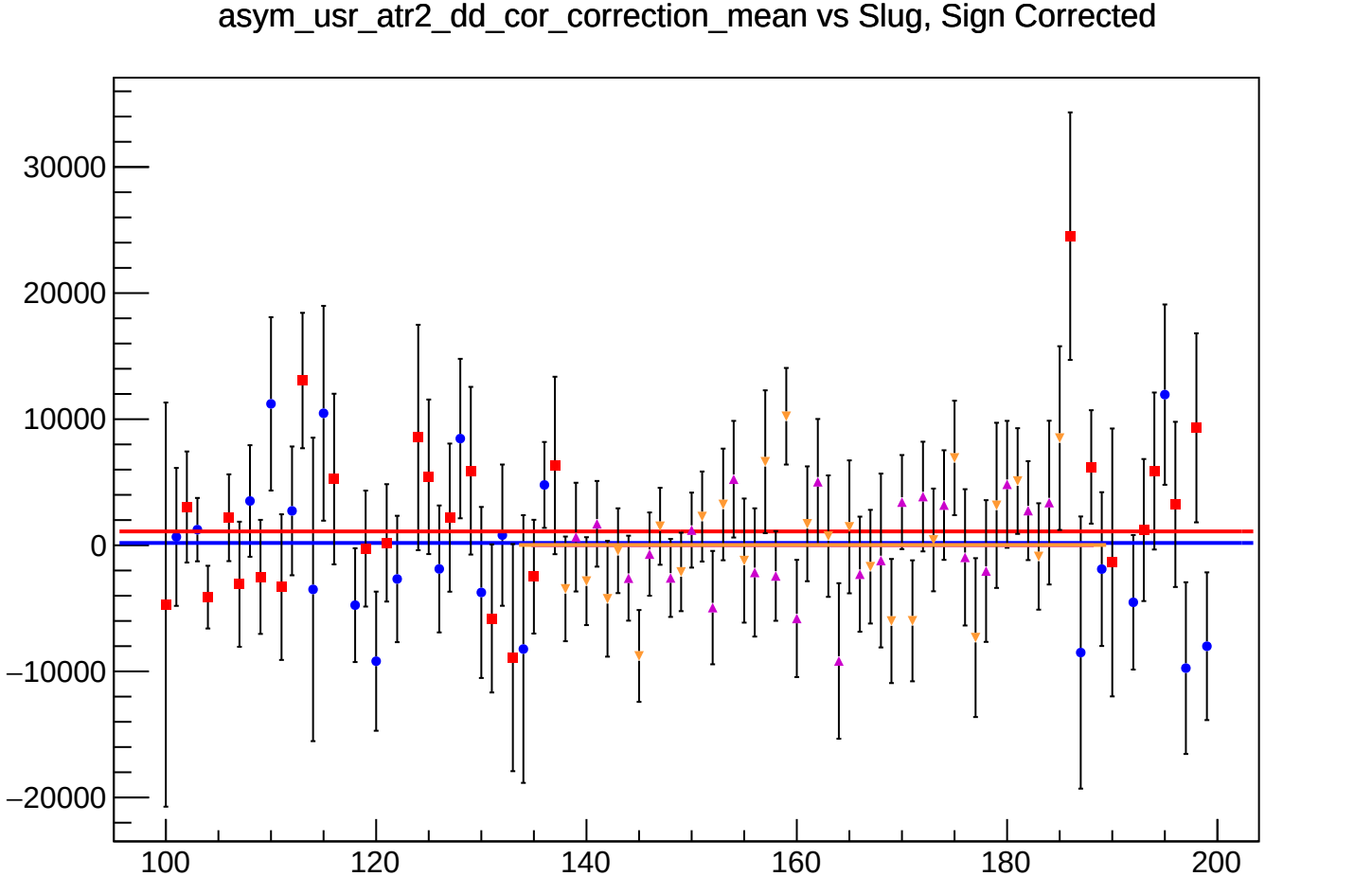
Left: 1103.007+/-0.127 χ^2/NDF: 202608.2/47

Right: 1169.825+/-0.173 χ^2/NDF: 1782301.3/47

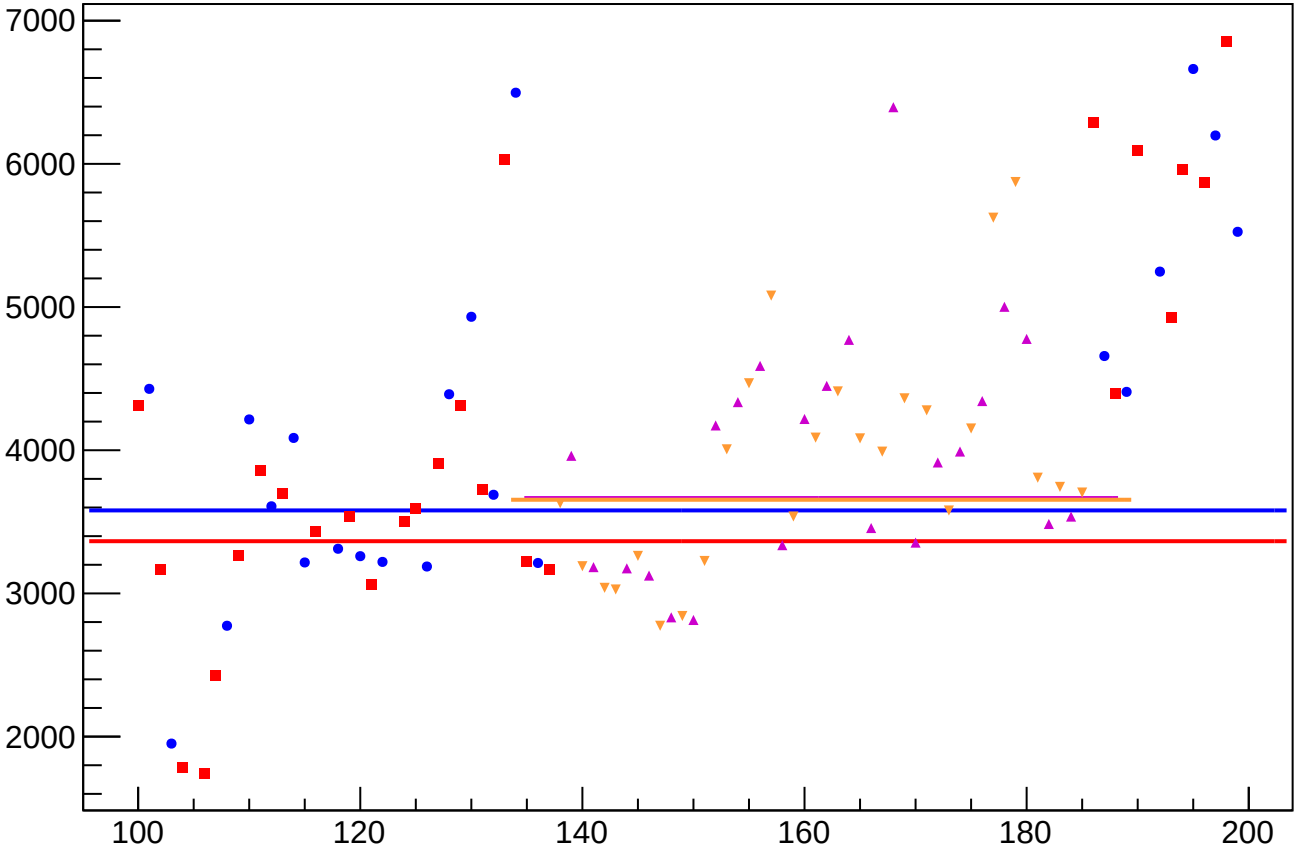
In: 1127.461+/-0.147 χ^2/NDF:1103866.5/44

Out: 1125.643+/-0.142 χ^2/NDF:978135.0/50

All: 1126.523+/-0.102 χ^2/NDF: 2082080.4/95


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: 185.059+/-1118.815 χ²/NDF: 22.5/21
Left Out: 23.365+/-850.403 χ²/NDF:28.5/24
Right Out: 1099.330+/-1031.740 χ²/NDF: 26.7/25
Left In: 6.368+/-875.255 χ²/NDF:14.0/22
Left: 15.111+/-609.923 χ²/NDF: 42.5/47
Right: 679.152+/-758.468 χ²/NDF: 49.6/47
In: 74.209+/-689.369 χ²/NDF:36.6/44
Out: 458.636+/-656.222 χ²/NDF:55.8/50
All: 275.886+/-475.306 χ²/NDF: 92.6/95

asym_usr_atr2_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 3579.731+/-0.791 χ^2/NDF: 2443146.1/21

Left Out: 3654.195+/-0.601 χ^2/NDF:1311769.4/24

Right Out: 3364.728+/-0.730 χ^2/NDF: 3258034.8/25

Left In: 3666.114+/-0.619 χ^2/NDF:1343711.6/22

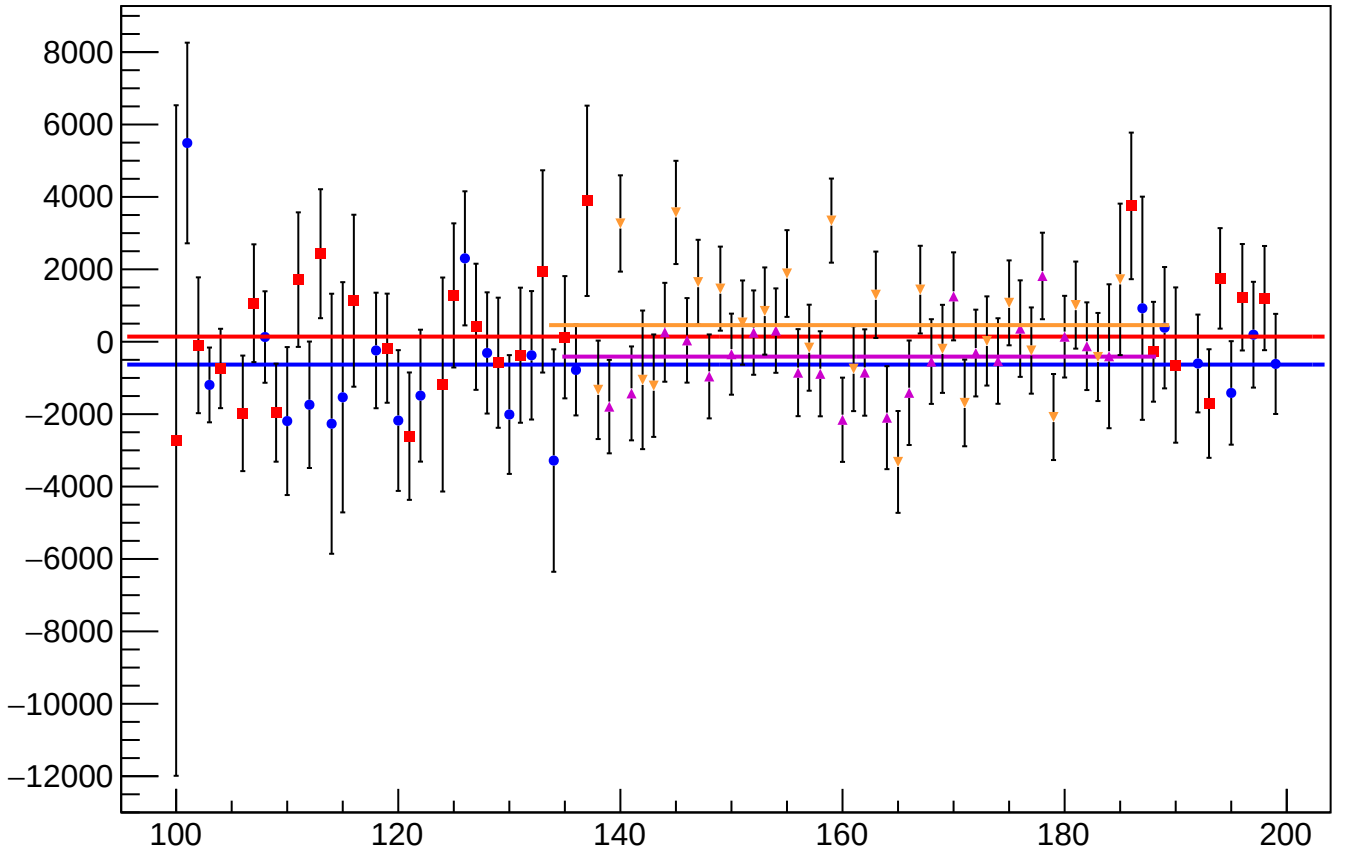
Left: 3659.983+/-0.431 χ^2/NDF: 2655671.8/47

Right: 3463.539+/-0.536 χ^2/NDF: 5741096.0/47

In: 3633.319+/-0.487 χ^2/NDF:3794253.8/44

Out: 3537.094+/-0.464 χ^2/NDF:4663547.3/50

All: 3582.838+/-0.336 χ^2/NDF: 8478244.0/95



Right In: -631.097+/-354.331 χ^2/NDF: 13.0/21

Left Out: 458.844+/-251.538 χ^2/NDF:42.1/24

Right Out: 141.855+/-337.026 χ^2/NDF: 20.9/25

Left In: -411.165+/-257.201 χ^2/NDF:13.7/22

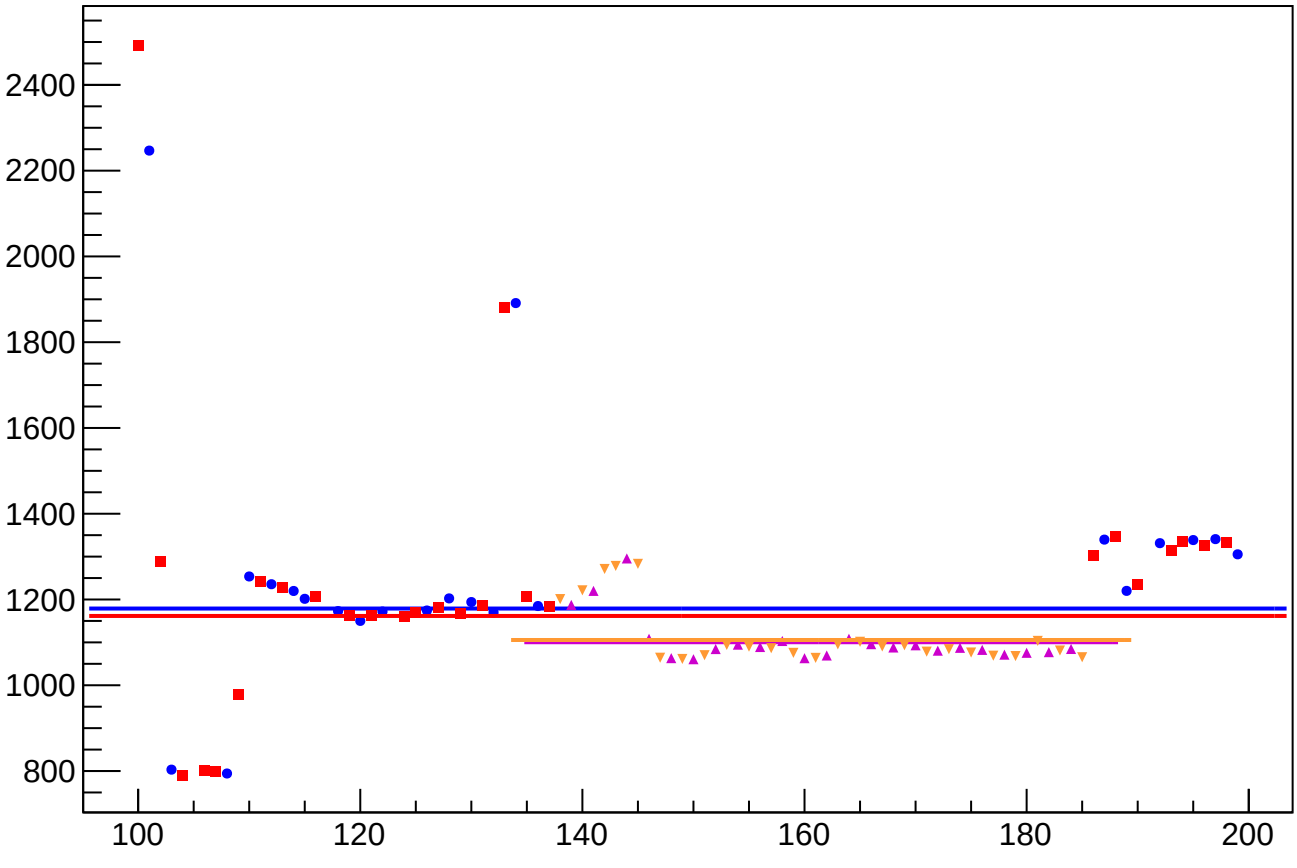
Left: 33.523+/-179.833 χ^2/NDF: 61.6/47

Right: -225.285+/-244.202 χ^2/NDF: 36.4/47

In: -487.058+/-208.146 χ^2/NDF:26.9/44

Out: 345.440+/-201.583 χ^2/NDF:63.5/50

All: -57.479+/-144.805 χ^2/NDF: 98.7/95



Right In: 1178.916+/-0.251 χ^2/NDF: 959228.1/21

Left Out: 1105.549+/-0.178 χ^2/NDF:121950.0/24

Right Out: 1161.623+/-0.238 χ^2/NDF: 820568.9/25

Left In: 1100.350+/-0.182 χ^2/NDF:80240.5/22

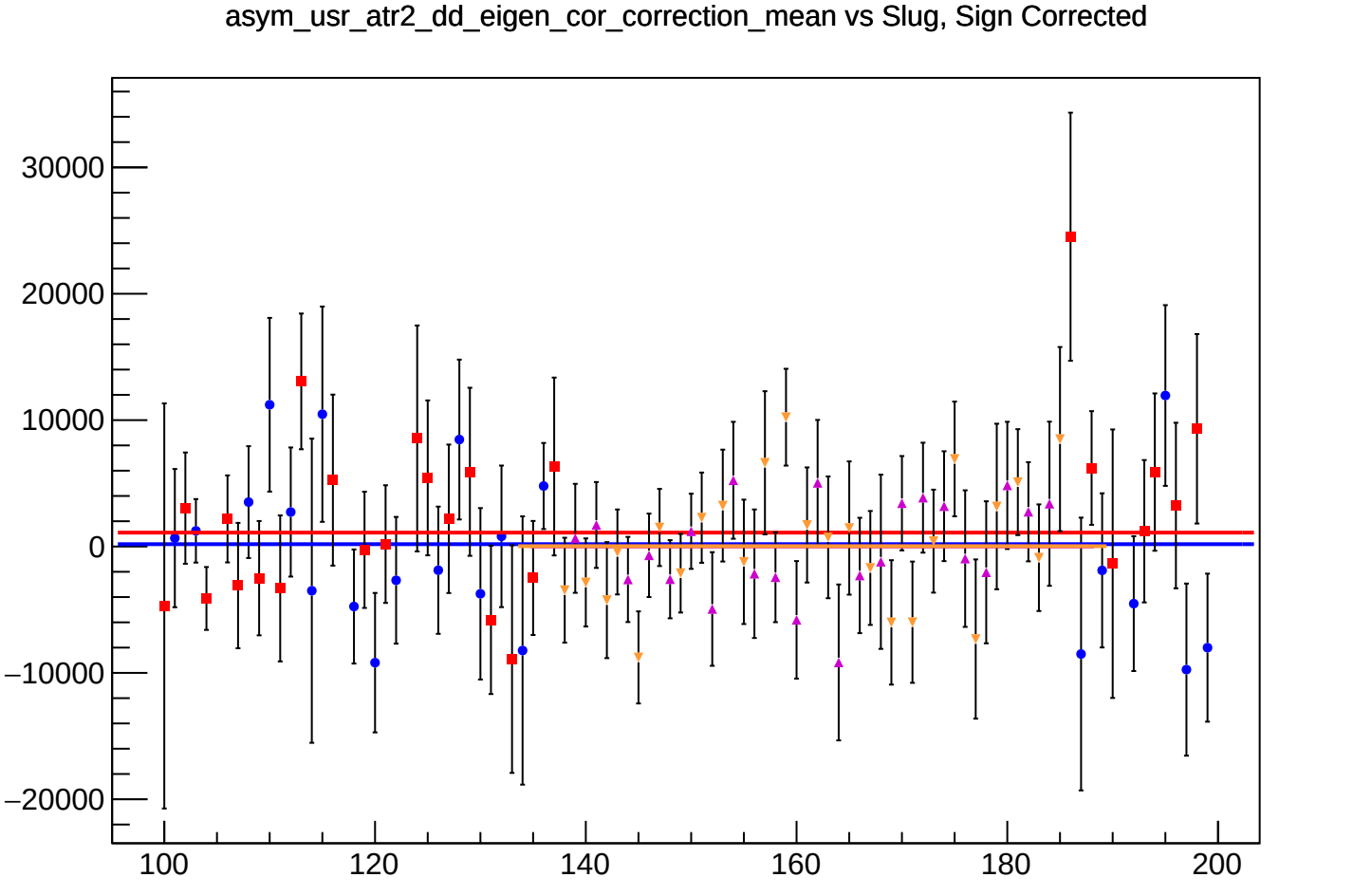
Left: 1103.007+/-0.127 χ^2/NDF: 202608.2/47

Right: 1169.825+/-0.173 χ^2/NDF: 1782301.3/47

In: 1127.461+/-0.147 χ^2/NDF:1103866.5/44

Out: 1125.643+/-0.142 χ^2/NDF:978135.0/50

All: 1126.523+/-0.102 χ^2/NDF: 2082080.4/95


asym_usr_atr2_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
30000
20000
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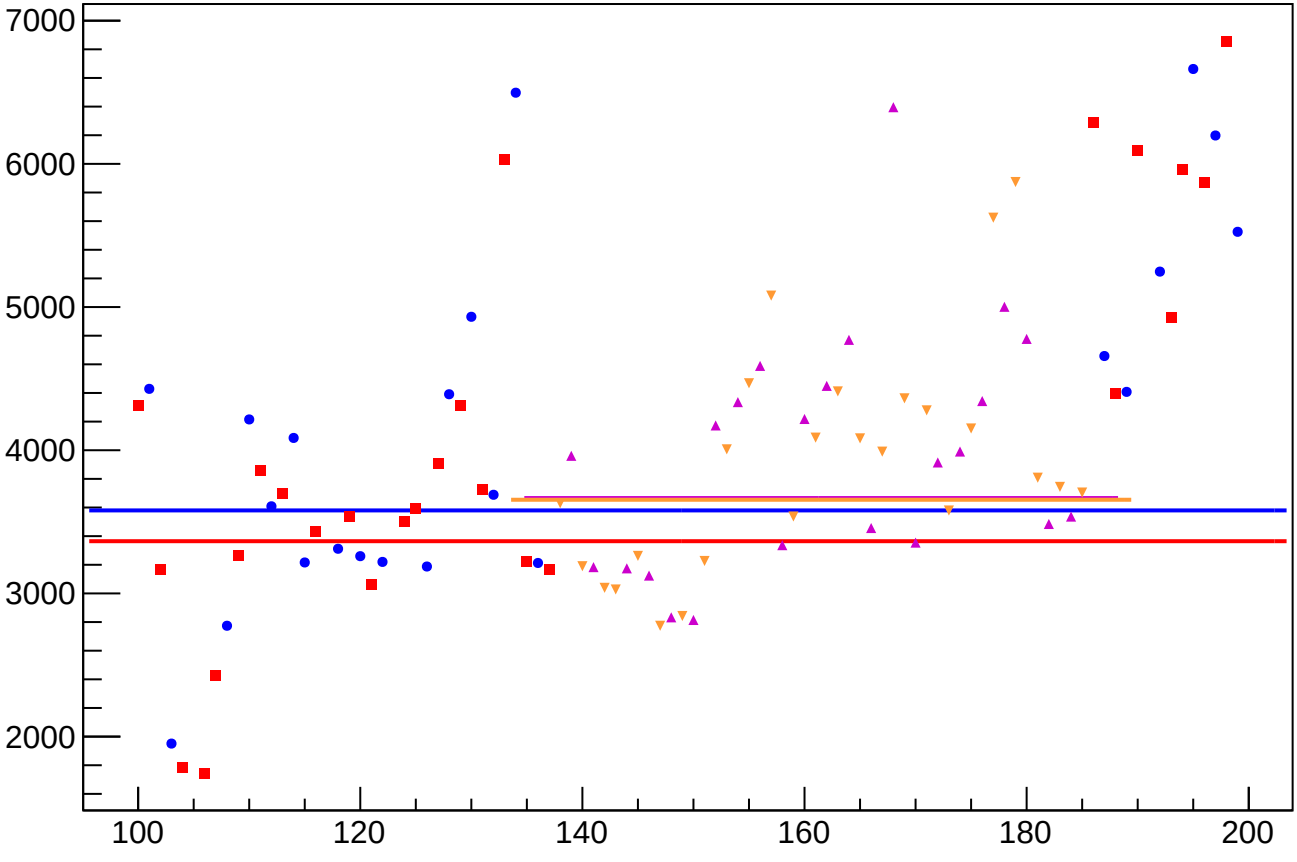
Right In: 185.059+/-1118.815 χ²/NDF: 22.5/21
Left Out: 23.365+/-850.403 χ²/NDF:28.5/24
Right Out: 1099.330+/-1031.740 χ²/NDF: 26.7/25
Left In: 6.368+/-875.255 χ²/NDF:14.0/22
Left: 15.111+/-609.923 χ²/NDF: 42.5/47
Right: 679.152+/-758.468 χ²/NDF: 49.6/47
In: 74.209+/-689.369 χ²/NDF:36.6/44
Out: 458.636+/-656.222 χ²/NDF:55.8/50
All: 275.886+/-475.306 χ²/NDF: 92.6/95

asym_usr_atr2_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 3579.731+/-0.791 χ^2/NDF: 2443146.1/21

Left Out: 3654.195+/-0.601 χ^2/NDF:1311769.4/24

Right Out: 3364.728+/-0.730 χ^2/NDF: 3258034.8/25

Left In: 3666.114+/-0.619 χ^2/NDF:1343711.6/22

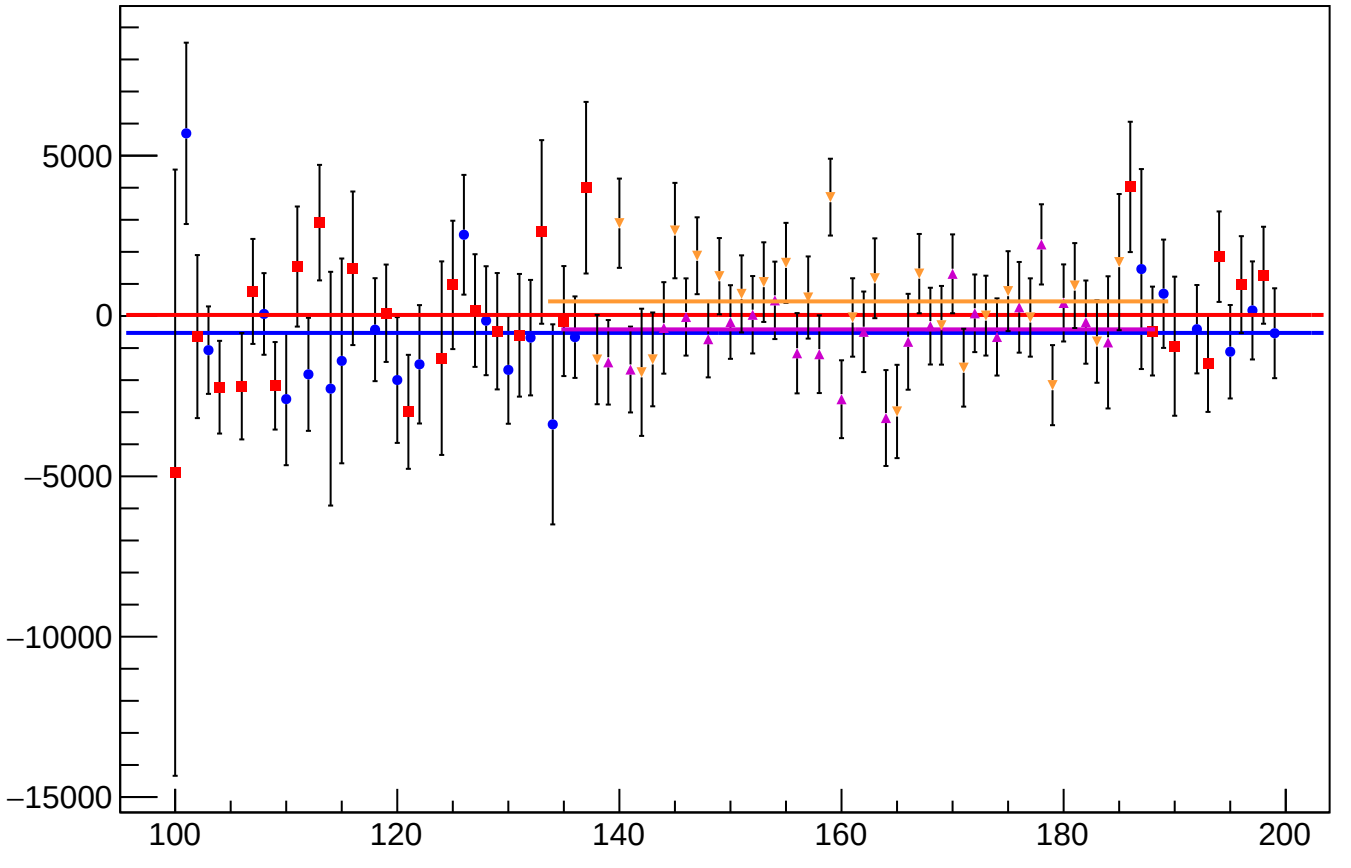
Left: 3659.983+/-0.431 χ^2/NDF: 2655671.8/47

Right: 3463.539+/-0.536 χ^2/NDF: 5741096.0/47

In: 3633.319+/-0.487 χ^2/NDF:3794253.8/44

Out: 3537.094+/-0.464 χ^2/NDF:4663547.3/50

All: 3582.838+/-0.336 χ^2/NDF: 8478244.0/95



Right In: -527.419+/-368.624 χ^2/NDF: 13.3/21

Left Out: 455.711+/-261.005 χ^2/NDF:36.1/24

Right Out: 32.947+/-351.666 χ^2/NDF: 25.4/25

Left In: -417.202+/-266.582 χ^2/NDF:17.3/22

Left: 28.481+/-186.499 χ^2/NDF: 59.0/47

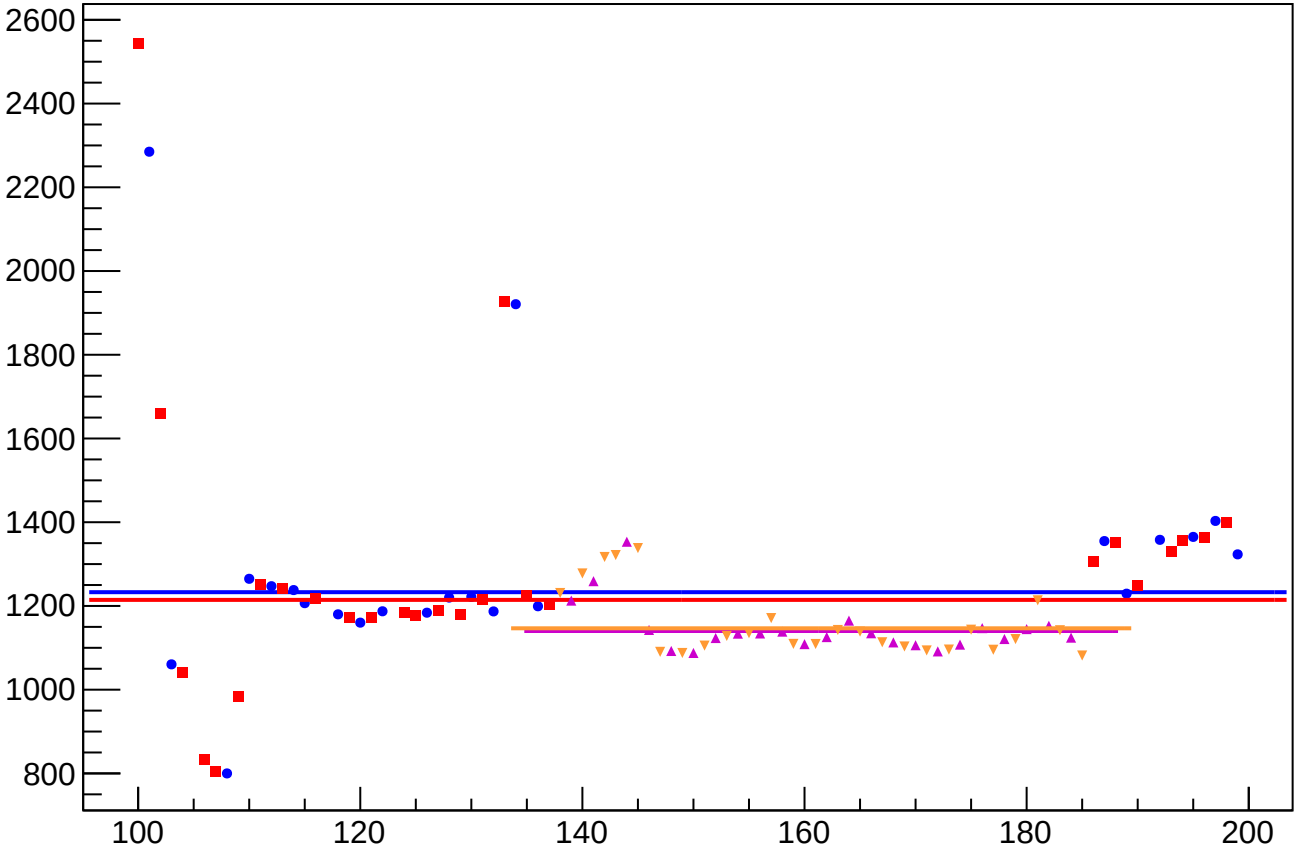
Right: -234.051+/-254.449 χ^2/NDF: 39.9/47

In: -455.051+/-216.014 χ^2/NDF:30.7/44

Out: 305.547+/-209.587 χ^2/NDF:62.5/50

All: -63.268+/-150.421 χ^2/NDF: 99.5/95

dit_asym_usr_atr2_dd_rms vs Slug, Sign Corrected



Right In: 1232.886+/-0.261 χ^2/NDF: 717761.5/21

Left Out: 1146.614+/-0.185 χ^2/NDF:141015.8/24

Right Out: 1214.479+/-0.249 χ^2/NDF: 655369.0/25

Left In: 1140.168+/-0.189 χ^2/NDF:84737.4/22

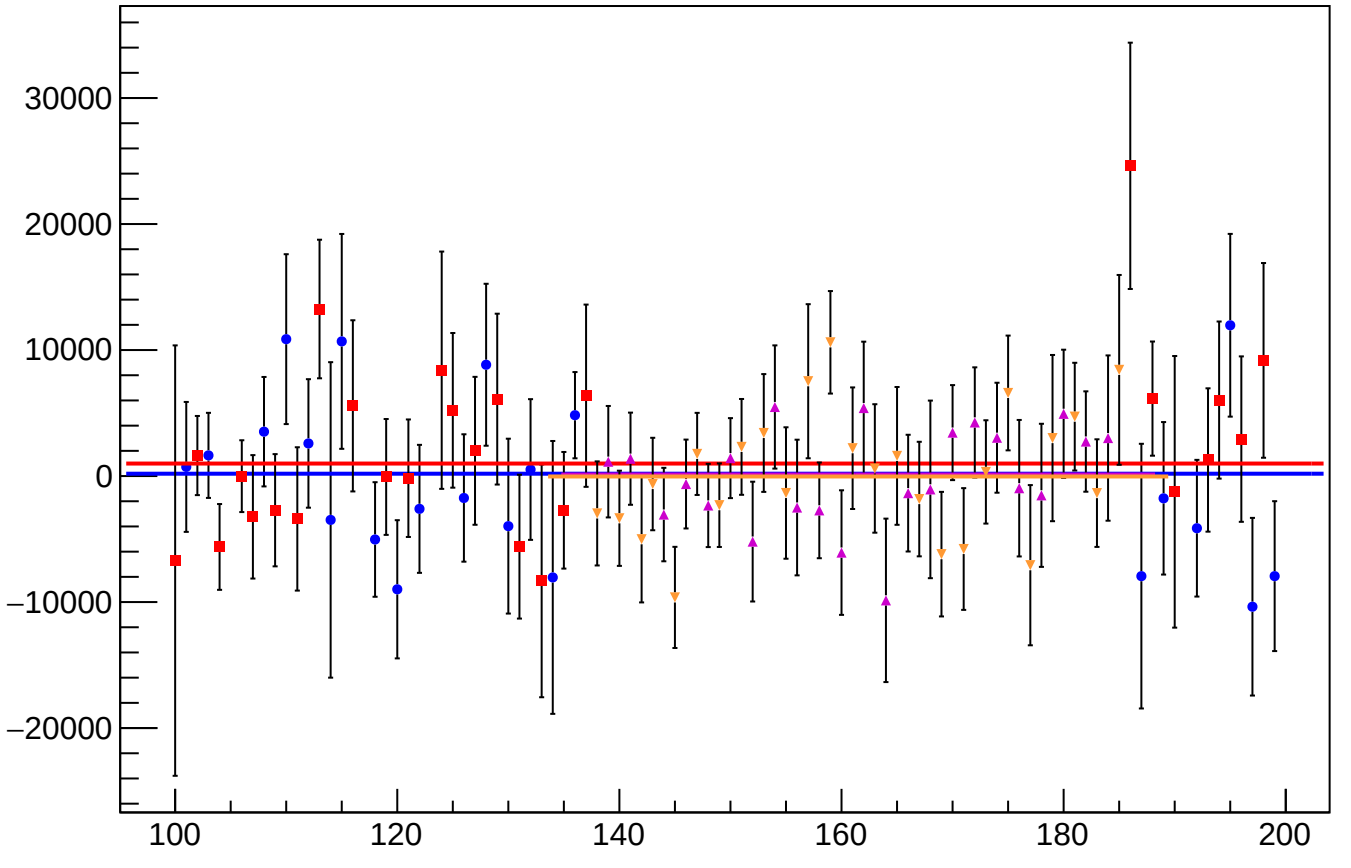
Left: 1143.459+/-0.132 χ^2/NDF: 226350.2/47

Right: 1223.247+/-0.180 χ^2/NDF: 1375742.2/47

In: 1172.007+/-0.153 χ^2/NDF:885578.9/44

Out: 1170.728+/-0.148 χ^2/NDF:844430.4/50

All: 1171.348+/-0.106 χ^2/NDF: 1730045.4/95



Right In: 186.132+/-1172.600 χ^2/NDF: 22.4/21

Left Out: -33.549+/-891.370 χ^2/NDF:27.8/24

Right Out: 992.289+/-1027.864 χ^2/NDF: 26.0/25

Left In: 121.051+/-915.714 χ^2/NDF:13.8/22

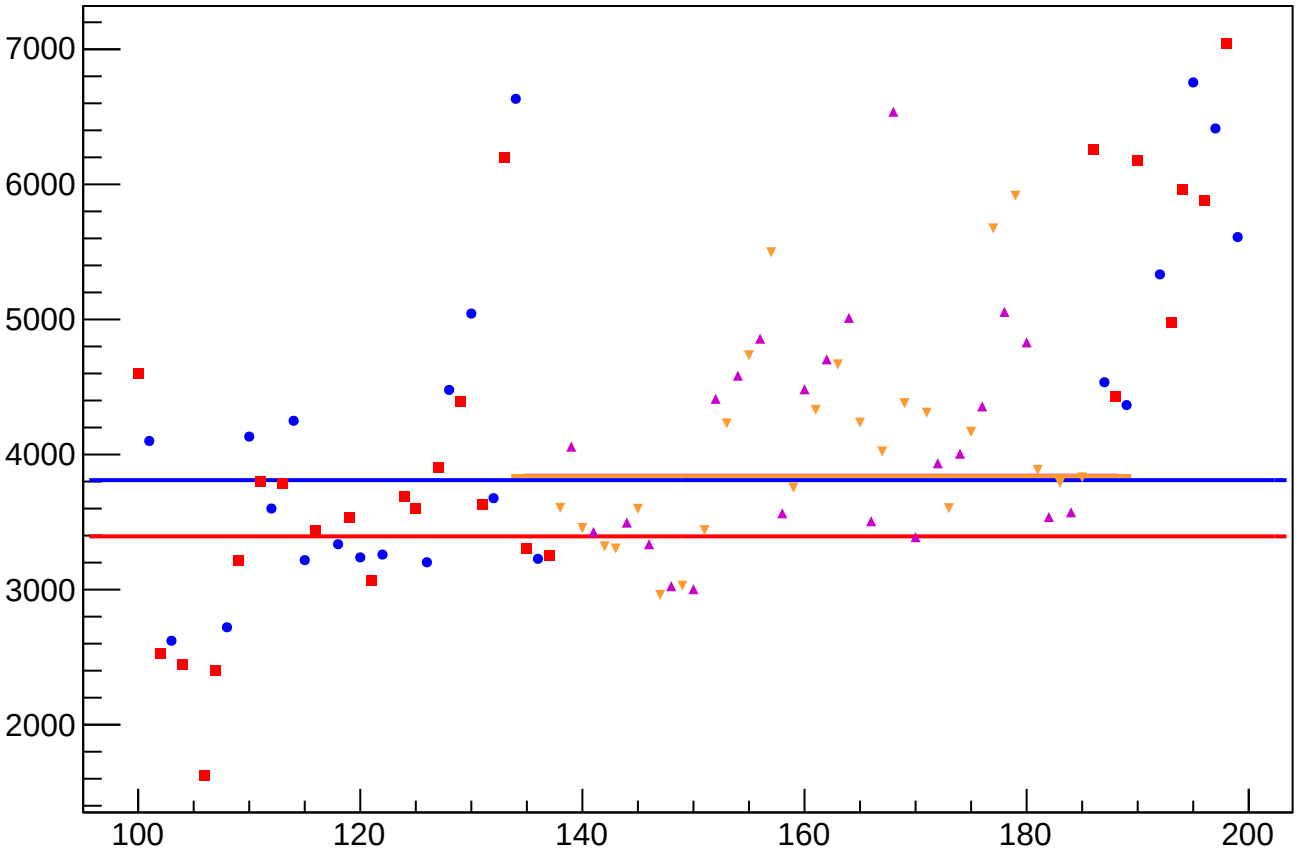
Left: 41.669+/-638.727 χ^2/NDF: 41.5/47

Right: 642.007+/-772.945 χ^2/NDF: 48.6/47

In: 145.705+/-721.719 χ^2/NDF:36.1/44

Out: 406.781+/-673.419 χ^2/NDF:54.3/50

All: 285.271+/-492.369 χ^2/NDF: 90.5/95



Right In: 3810.428+/-0.829 χ^2/NDF: 1745759.3/21

Left Out: 3840.830+/-0.630 χ^2/NDF:1118666.6/24

Right Out: 3394.160+/-0.727 χ^2/NDF: 3098028.3/25

Left In: 3843.328+/-0.648 χ^2/NDF:1196057.8/22

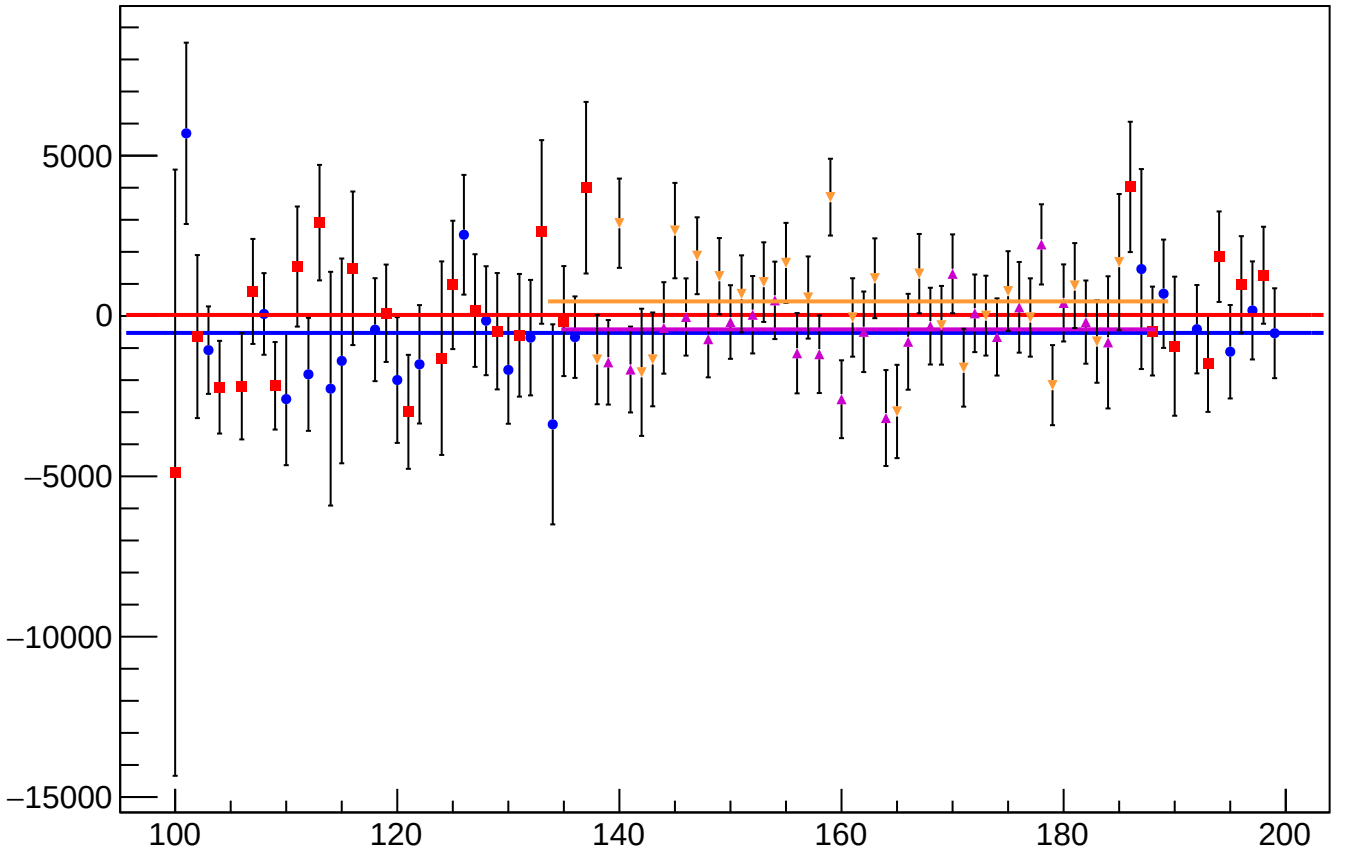
Left: 3842.046+/-0.452 χ^2/NDF: 2314732.0/47

Right: 3575.031+/-0.547 χ^2/NDF: 4986316.4/47

In: 3830.865+/-0.510 χ^2/NDF:2942795.1/44

Out: 3649.102+/-0.476 χ^2/NDF:4432264.5/50

All: 3733.698+/-0.348 χ^2/NDF: 7442873.3/95



Right In: -527.423+/-368.624 χ^2/NDF: 13.3/21

Left Out: 455.716+/-261.006 χ^2/NDF:36.1/24

Right Out: 32.944+/-351.666 χ^2/NDF: 25.4/25

Left In: -417.201+/-266.583 χ^2/NDF:17.3/22

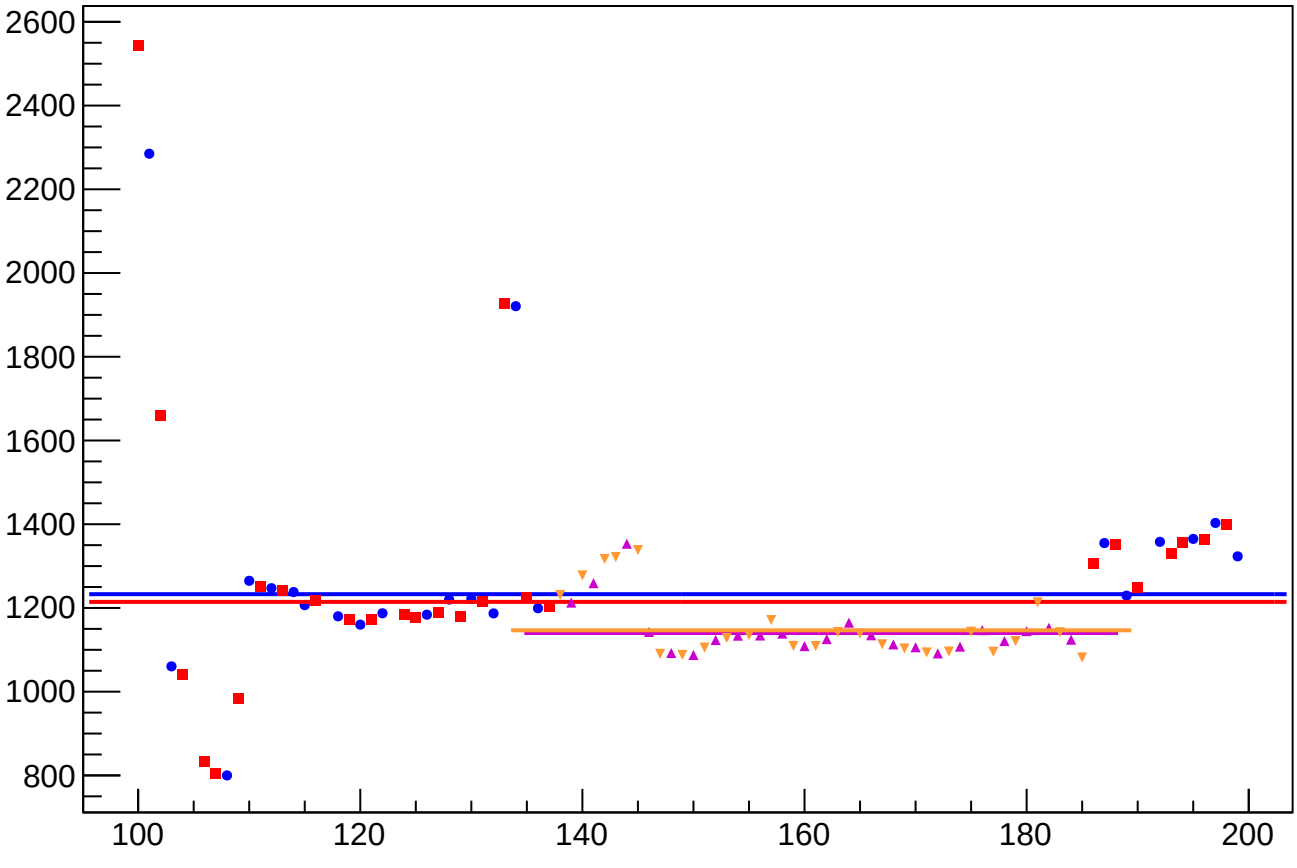
Left: 28.484+/-186.499 χ^2/NDF: 59.0/47

Right: -234.054+/-254.449 χ^2/NDF: 39.9/47

In: -455.051+/-216.014 χ^2/NDF:30.7/44

Out: 305.549+/-209.587 χ^2/NDF:62.5/50

All: -63.267+/-150.421 χ^2/NDF: 99.5/95



Right In: 1232.886+/-0.261 χ^2/NDF: 717762.0/21

Left Out: 1146.614+/-0.185 χ^2/NDF:141015.8/24

Right Out: 1214.479+/-0.249 χ^2/NDF: 655368.5/25

Left In: 1140.169+/-0.189 χ^2/NDF:84737.2/22

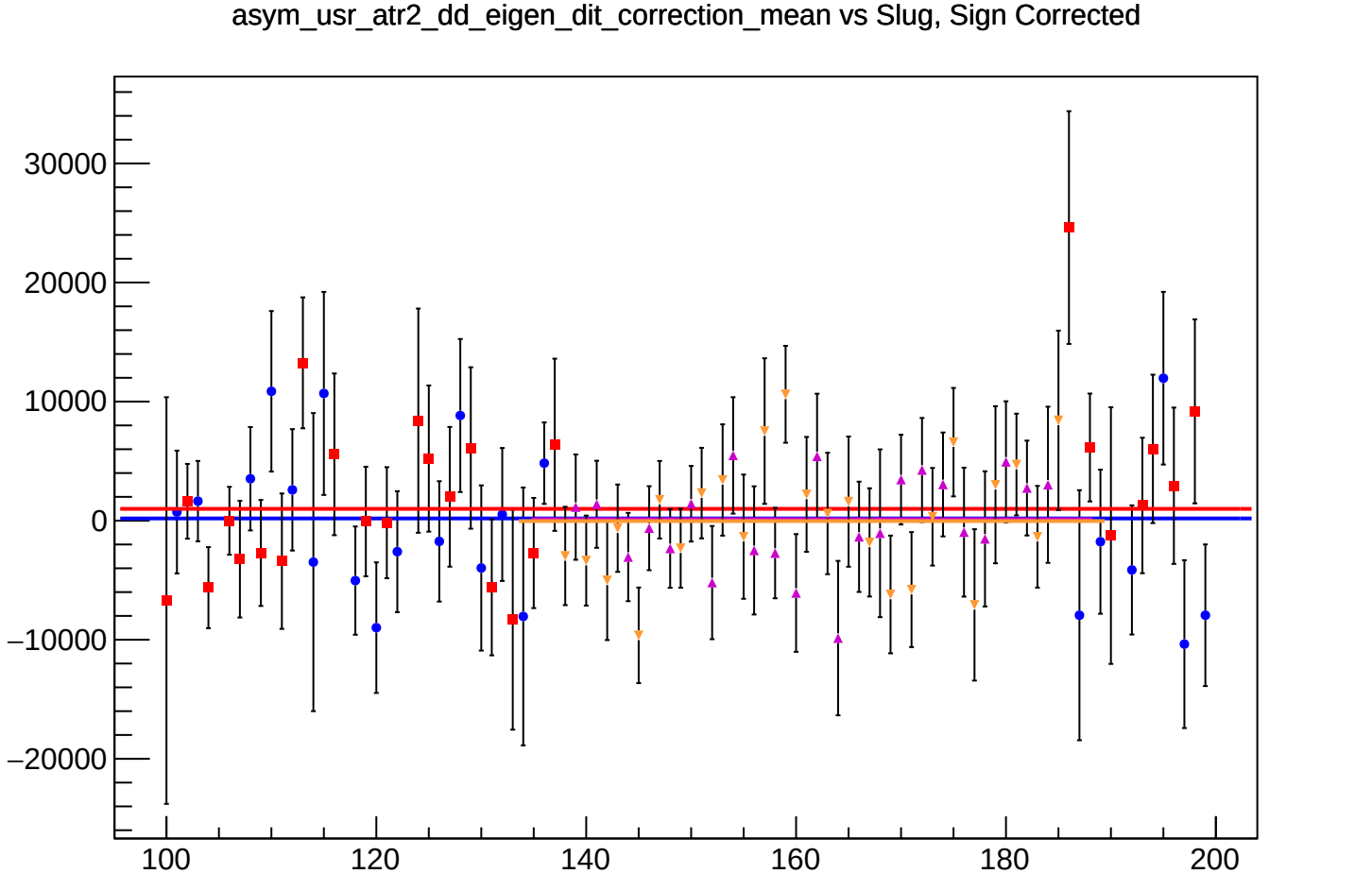
Left: 1143.460+/-0.132 χ^2/NDF: 226349.9/47

Right: 1223.247+/-0.180 χ^2/NDF: 1375742.1/47

In: 1172.008+/-0.153 χ^2/NDF:885577.6/44

Out: 1170.729+/-0.148 χ^2/NDF:844429.3/50

All: 1171.349+/-0.106 χ^2/NDF: 1730043.1/95


asym_usr_atr2_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
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120
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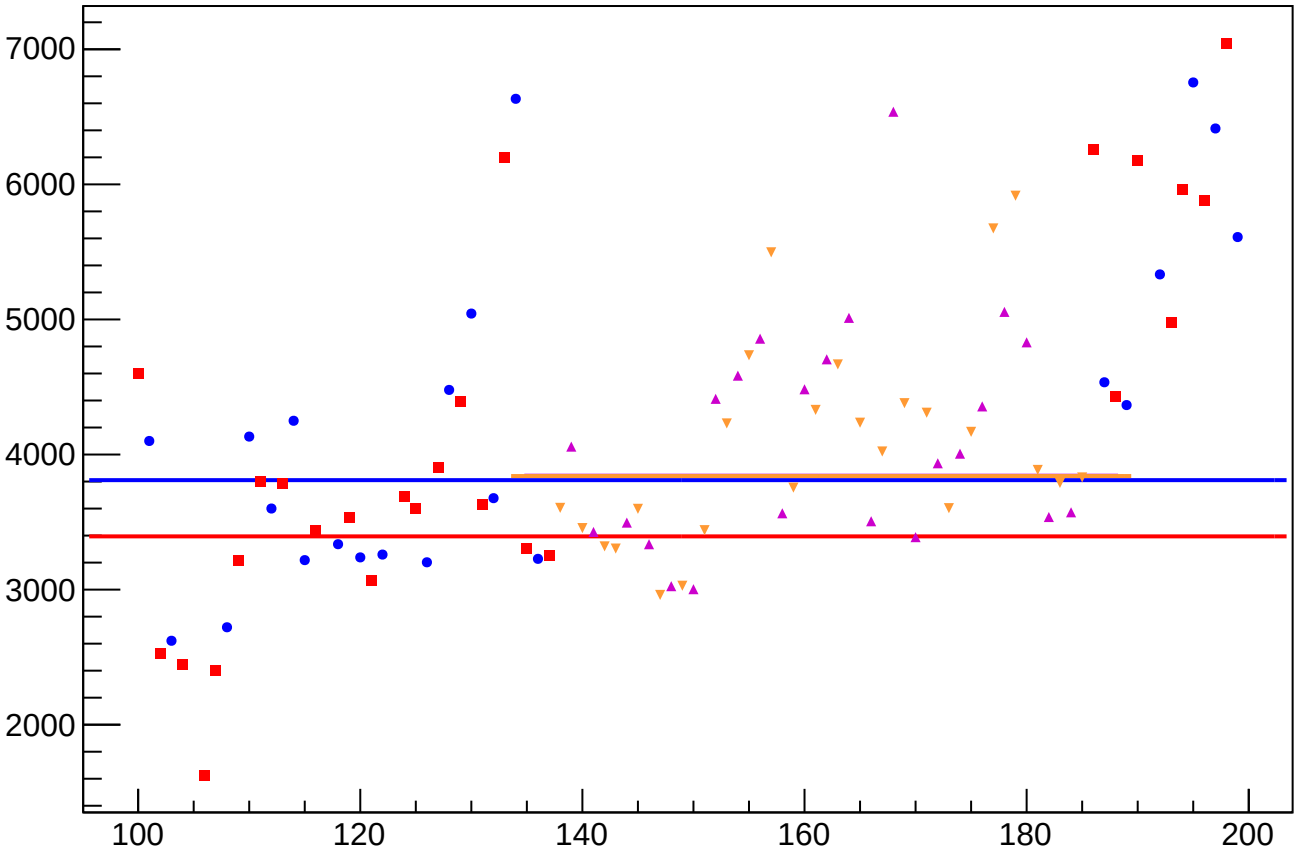
Right In: 186.120+/-1172.599 χ²/NDF: 22.4/21
Left Out: -33.548+/-891.372 χ²/NDF:27.8/24
Right Out: 992.280+/-1027.863 χ²/NDF: 26.0/25
Left In: 121.054+/-915.716 χ²/NDF:13.8/22
Left: 41.671+/-638.728 χ²/NDF: 41.5/47
Right: 641.997+/-772.945 χ²/NDF: 48.6/47
In: 145.702+/-721.719 χ²/NDF:36.1/44
Out: 406.779+/-673.419 χ²/NDF:54.3/50
All: 285.268+/-492.370 χ²/NDF: 90.5/95



Right In: 3810.425+/-0.829 χ^2/NDF: 1745763.9/21

Left Out: 3840.836+/-0.630 χ^2/NDF:1118668.2/24

Right Out: 3394.155+/-0.727 χ^2/NDF: 3098037.8/25

Left In: 3843.333+/-0.648 χ^2/NDF:1196061.6/22

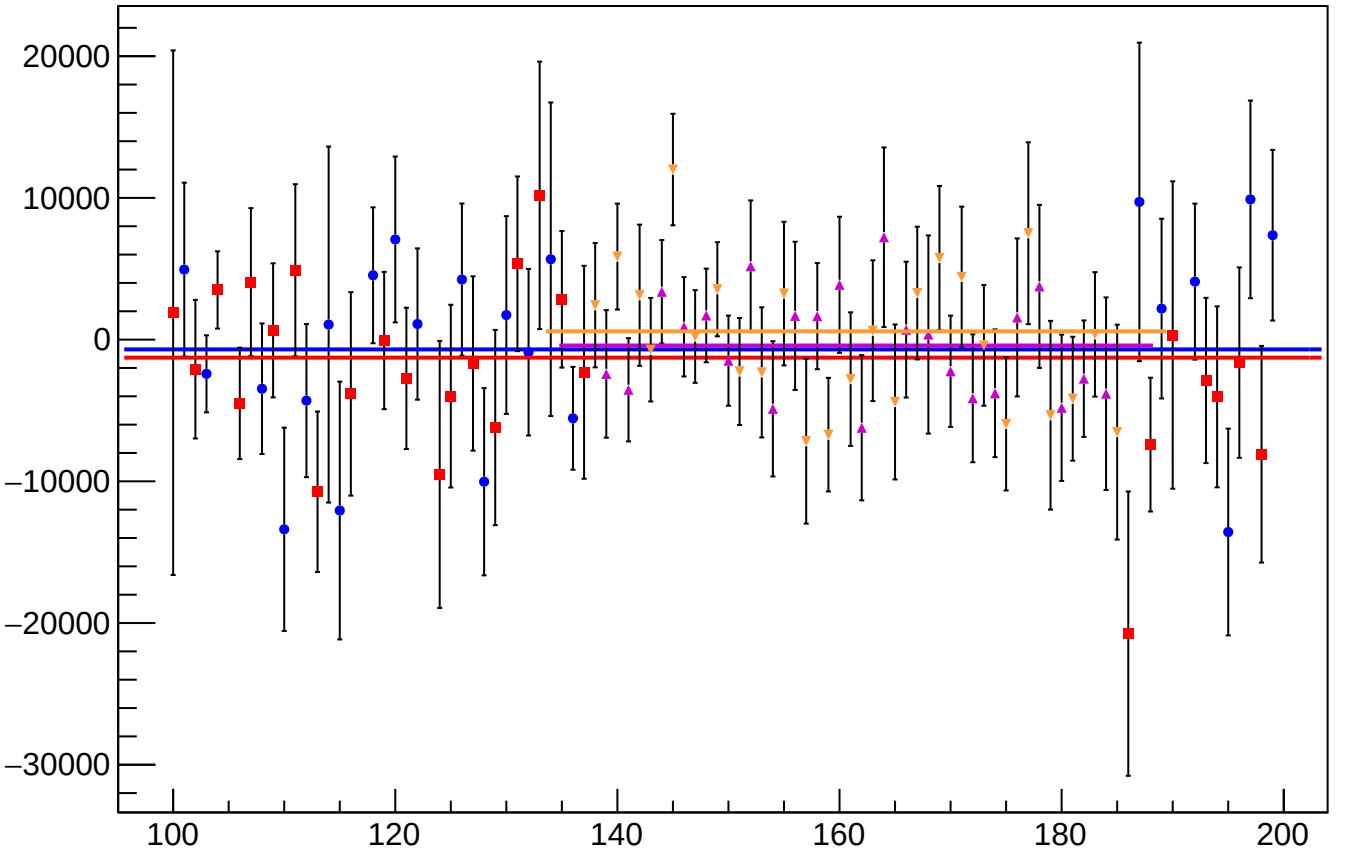
Left: 3842.051+/-0.452 χ^2/NDF: 2314737.5/47

Right: 3575.027+/-0.547 χ^2/NDF: 4986332.2/47

In: 3830.867+/-0.510 χ^2/NDF:2942804.0/44

Out: 3649.102+/-0.476 χ^2/NDF:4432285.6/50

All: 3733.699+/-0.348 χ^2/NDF: 7442904.4/95



Right In: -690.882+/-1184.403 χ^2/NDF: 23.9/21

Left Out: 583.278+/-894.900 χ^2/NDF:27.4/24

Right Out: -1272.886+/-1101.844 χ^2/NDF: 20.5/25

Left In: -416.803+/-919.006 χ^2/NDF:12.5/22

Left: 96.526+/-641.143 χ^2/NDF: 40.5/47

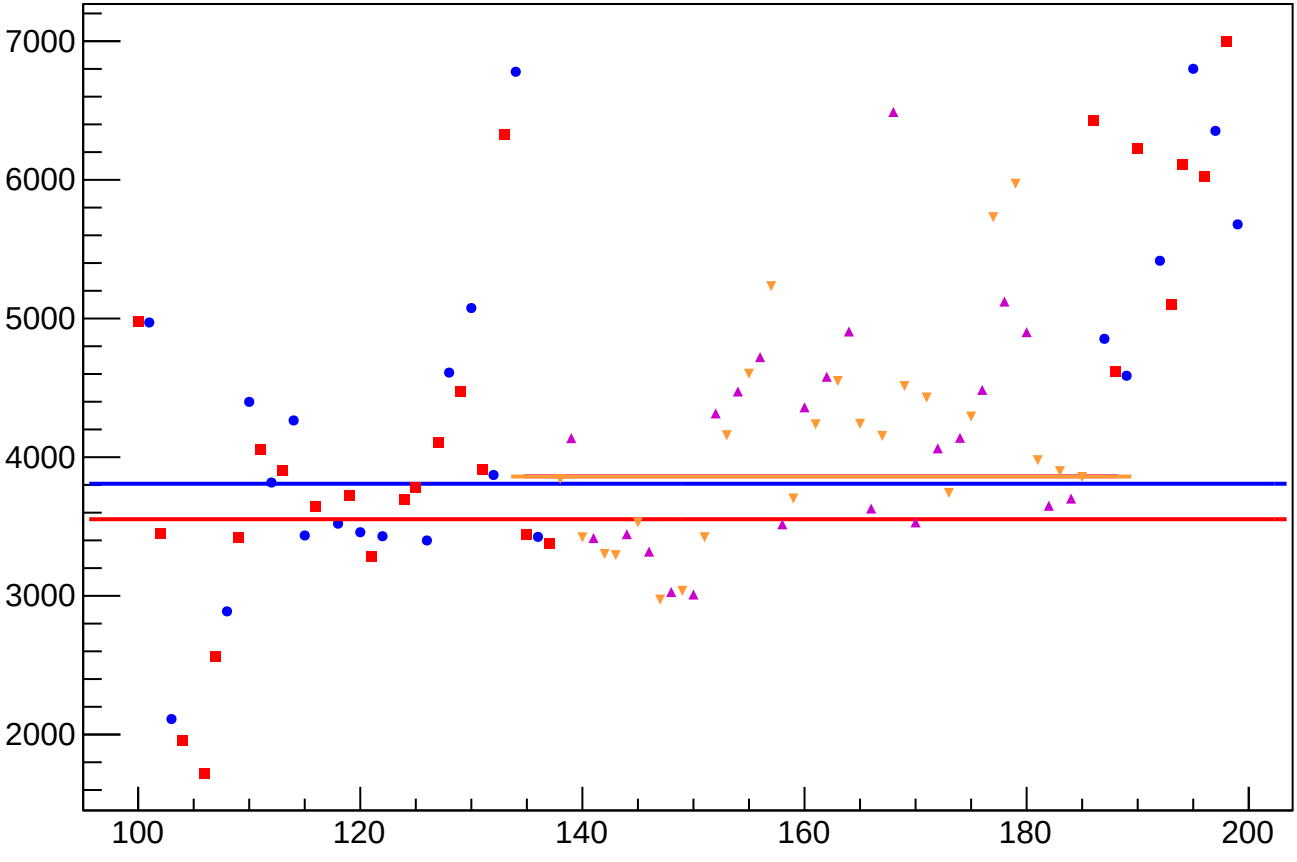
Right: -1002.873+/-806.730 χ^2/NDF: 44.6/47

In: -519.803+/-726.071 χ^2/NDF:36.5/44

Out: -154.474+/-694.652 χ^2/NDF:49.6/50

All: -329.063+/-501.933 χ^2/NDF: 86.2/95

asym_usr_atr2_dd_rms vs Slug, Sign Corrected



Right In: 3808.557+/-0.837 χ^2/NDF: 2262532.0/21

Left Out: 3860.536+/-0.633 χ^2/NDF:1097292.6/24

Right Out: 3552.634+/-0.769 χ^2/NDF: 3153975.7/25

Left In: 3862.339+/-0.650 χ^2/NDF:1142179.8/22

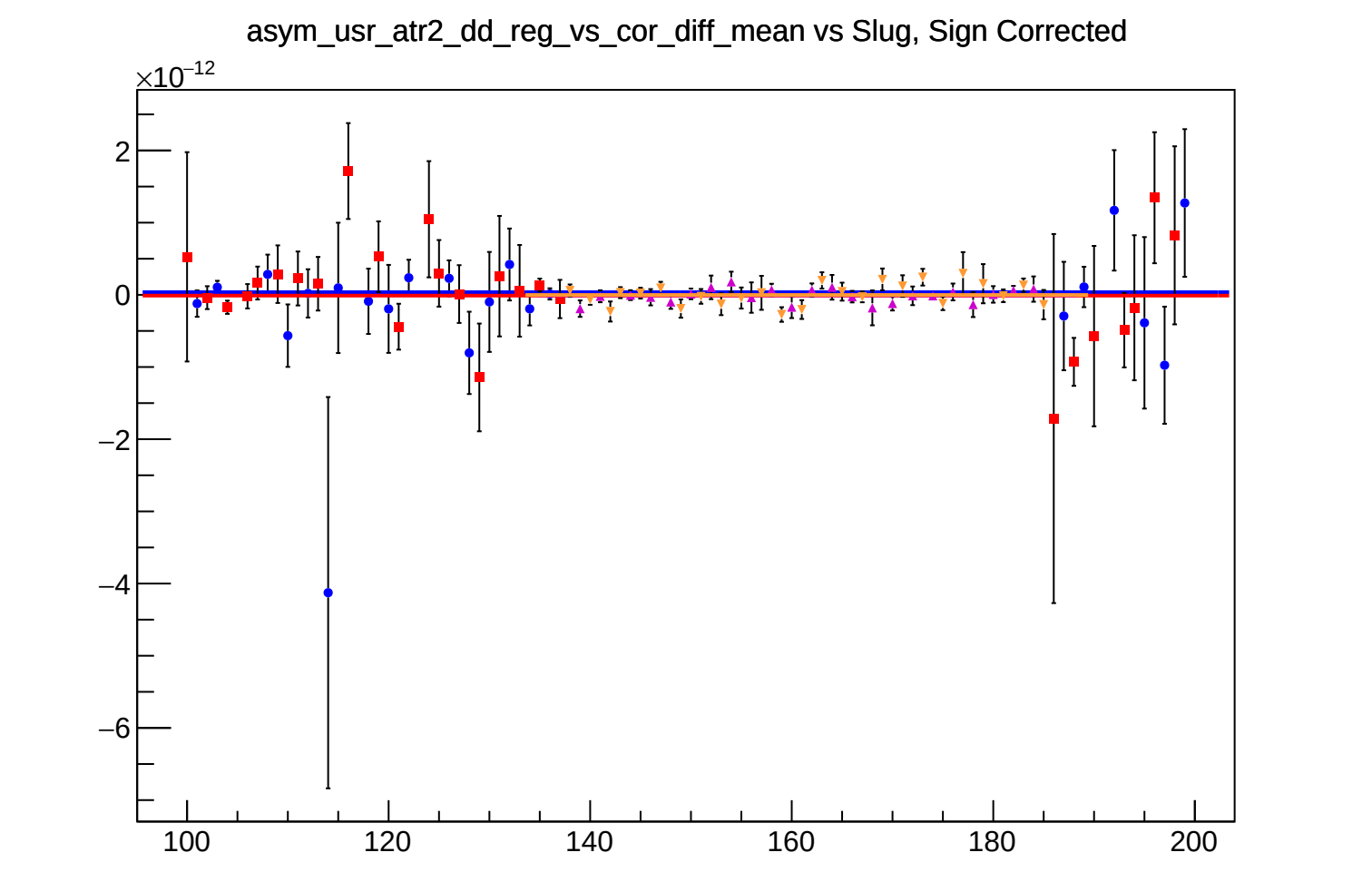
Left: 3861.414+/-0.453 χ^2/NDF: 2239476.3/47

Right: 3669.620+/-0.566 χ^2/NDF: 5467201.7/47

In: 3842.127+/-0.513 χ^2/NDF:3407285.9/44

Out: 3736.128+/-0.488 χ^2/NDF:4346931.5/50

All: 3786.494+/-0.354 χ^2/NDF: 7776590.0/95



Right In: 0.000+/-0.000 χ^2/NDF: 17.1/21

Left Out: -0.000+/-0.000 χ^2/NDF:34.3/24

Right Out: -0.000+/-0.000 χ^2/NDF: 33.9/25

Left In: -0.000+/-0.000 χ^2/NDF:12.8/22

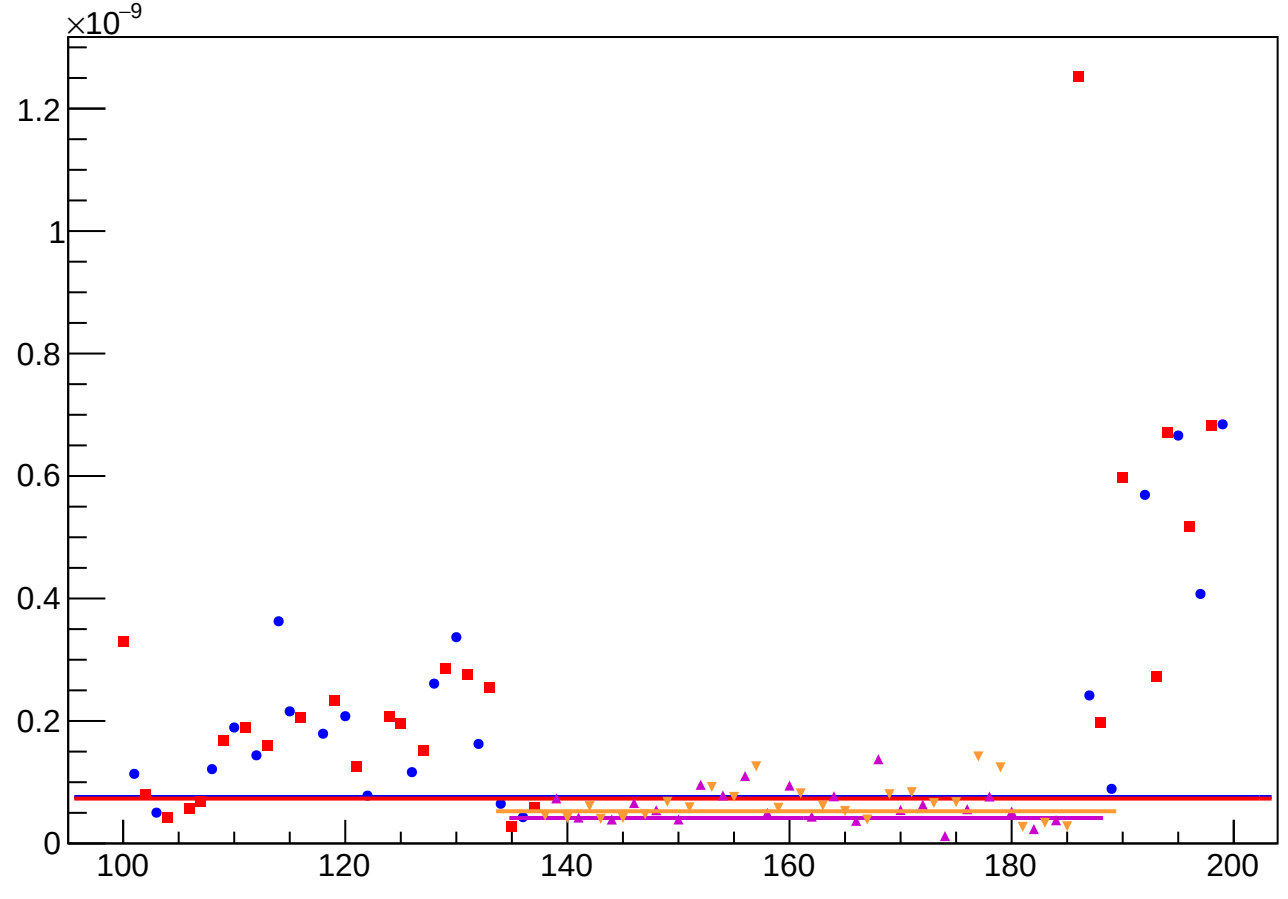
Left: -0.000+/-0.000 χ^2/NDF: 47.1/47

Right: 0.000+/-0.000 χ^2/NDF: 51.5/47

In: -0.000+/-0.000 χ^2/NDF:30.6/44

Out: -0.000+/-0.000 χ^2/NDF:68.2/50

All: -0.000+/-0.000 χ^2/NDF: 98.8/95



Right In: 0.000+/-0.000 χ^2/NDF: 4100262.8/21

Left Out: 0.000+/-0.000 χ^2/NDF:1611629.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5359381.0/25

Left In: 0.000+/-0.000 χ^2/NDF:2939628.2/22

Left: 0.000+/-0.000 χ^2/NDF: 4840259.0/47

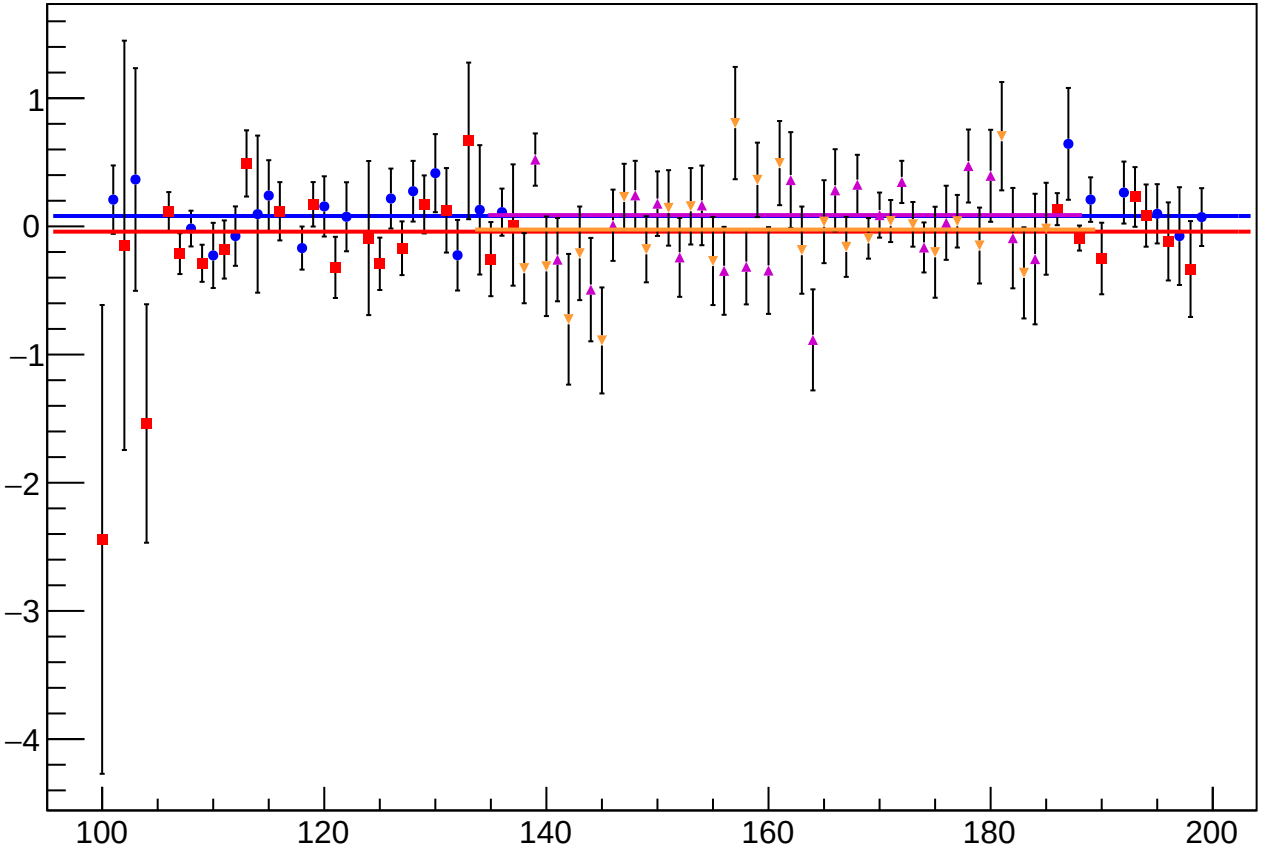
Right: 0.000+/-0.000 χ^2/NDF: 9462458.2/47

In: 0.000+/-0.000 χ^2/NDF:7919210.7/44

Out: 0.000+/-0.000 χ^2/NDF:7275017.6/50

All: 0.000+/-0.000 χ^2/NDF: 15449033.3/95

asym_usr_atr2_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.081+/-0.051 χ^2/NDF: 11.8/21

Left Out: -0.025+/-0.055 χ^2/NDF:24.1/24

Right Out: -0.041+/-0.042 χ^2/NDF: 27.5/25

Left In: 0.088+/-0.057 χ^2/NDF:30.0/22

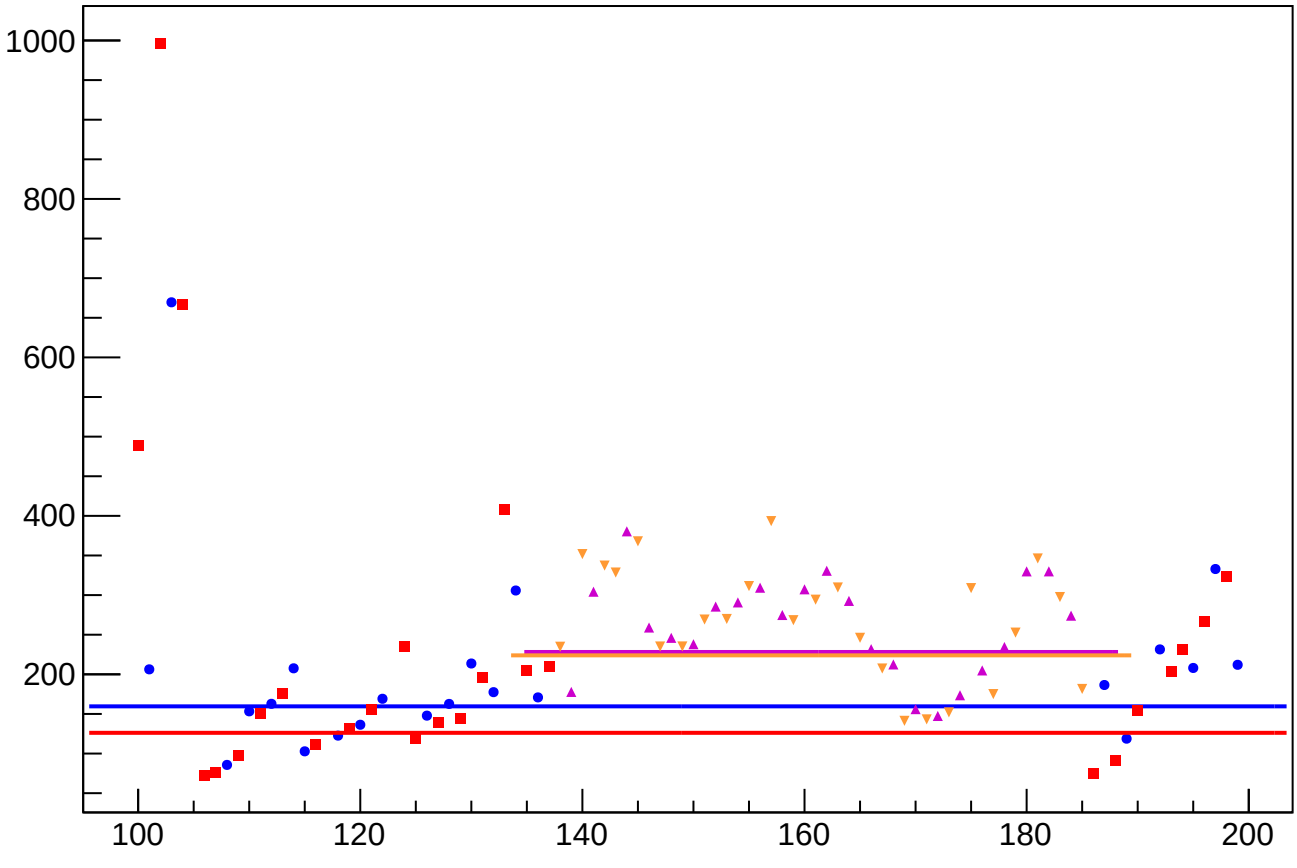
Left: 0.030+/-0.039 χ^2/NDF: 56.1/47

Right: 0.008+/-0.032 χ^2/NDF: 42.7/47

In: 0.084+/-0.038 χ^2/NDF:41.9/44

Out: -0.035+/-0.033 χ^2/NDF:51.6/50

All: 0.017+/-0.025 χ^2/NDF: 99.0/95



Right In: 159.580+/-0.036 χ^2/NDF: 2685194.3/21

Left Out: 223.945+/-0.039 χ^2/NDF:3438444.8/24

Right Out: 126.171+/-0.030 χ^2/NDF: 5041902.0/25

Left In: 228.199+/-0.040 χ^2/NDF:2488915.3/22

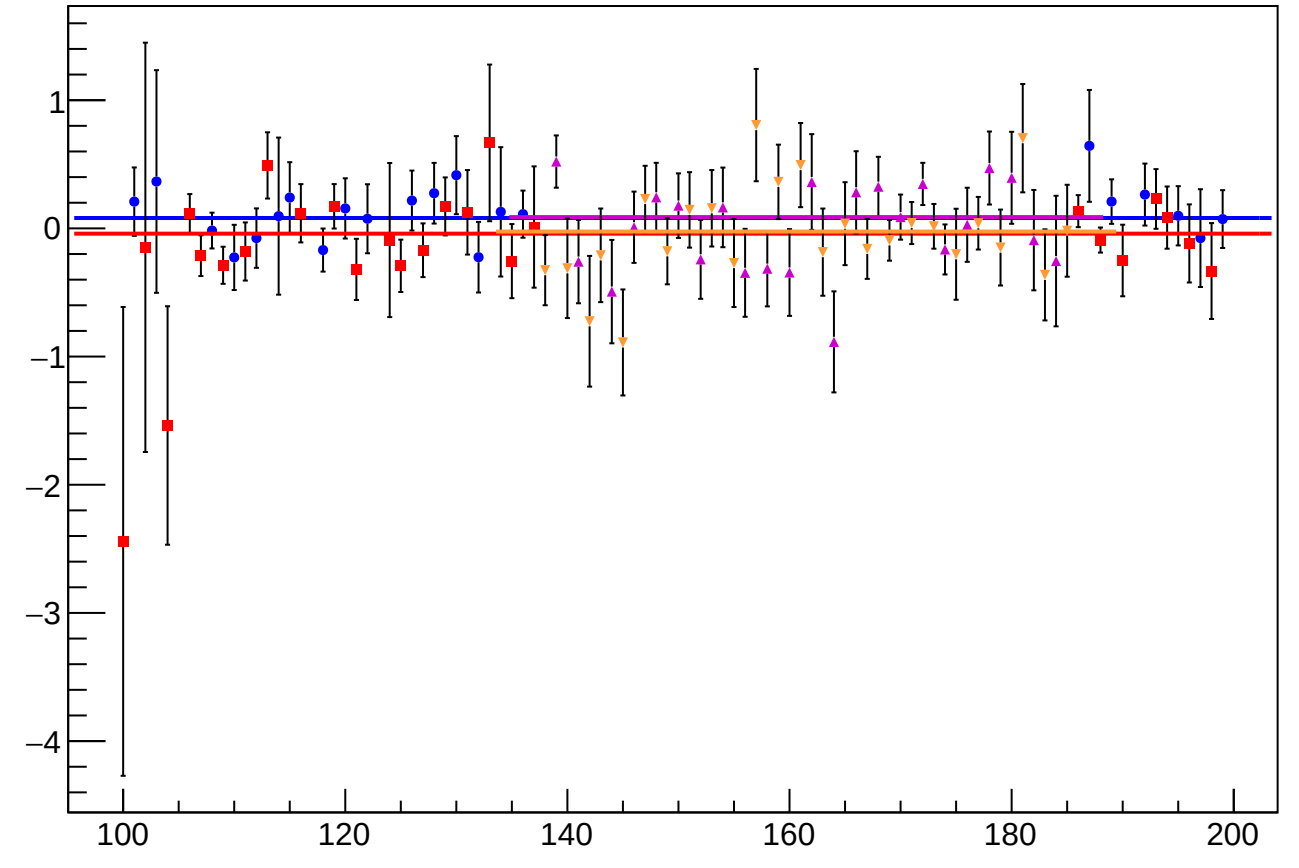
Left: 225.993+/-0.028 χ^2/NDF: 5933206.6/47

Right: 139.505+/-0.023 χ^2/NDF: 8234517.0/47

In: 190.569+/-0.027 χ^2/NDF:6782911.1/44

Out: 162.412+/-0.024 χ^2/NDF:12516633.8/50

All: 174.591+/-0.018 χ^2/NDF: 19920209.4/95



Right In: 0.081+/-0.051 χ^2/NDF: 11.8/21

Left Out: -0.025+/-0.055 χ^2/NDF:24.1/24

Right Out: -0.041+/-0.042 χ^2/NDF: 27.5/25

Left In: 0.088+/-0.057 χ^2/NDF:30.0/22

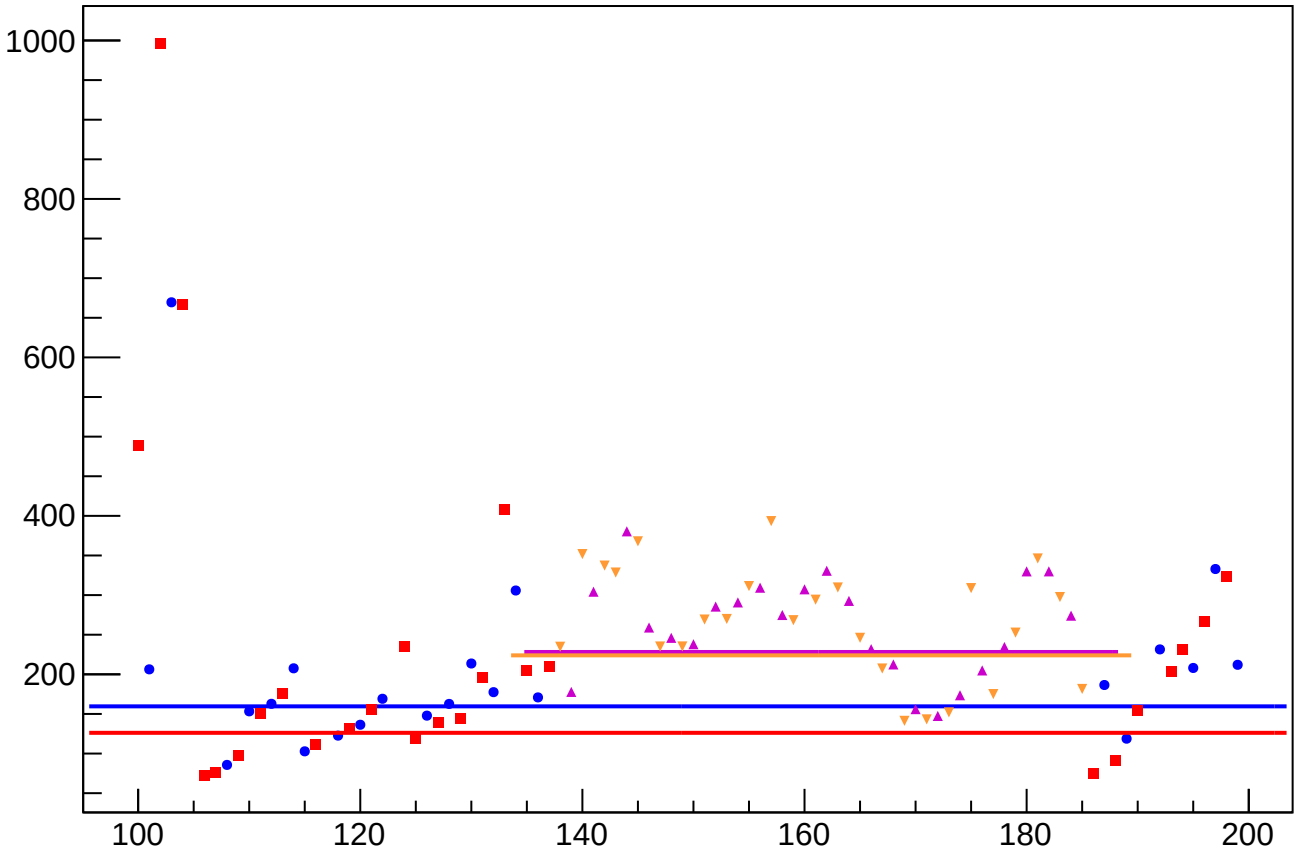
Left: 0.030+/-0.039 χ^2/NDF: 56.1/47

Right: 0.008+/-0.032 χ^2/NDF: 42.7/47

In: 0.084+/-0.038 χ^2/NDF:41.9/44

Out: -0.035+/-0.033 χ^2/NDF:51.6/50

All: 0.017+/-0.025 χ^2/NDF: 99.0/95



Right In: 159.580+/-0.036 χ^2/NDF: 2685194.3/21

Left Out: 223.945+/-0.039 χ^2/NDF:3438444.8/24

Right Out: 126.171+/-0.030 χ^2/NDF: 5041902.0/25

Left In: 228.199+/-0.040 χ^2/NDF:2488915.3/22

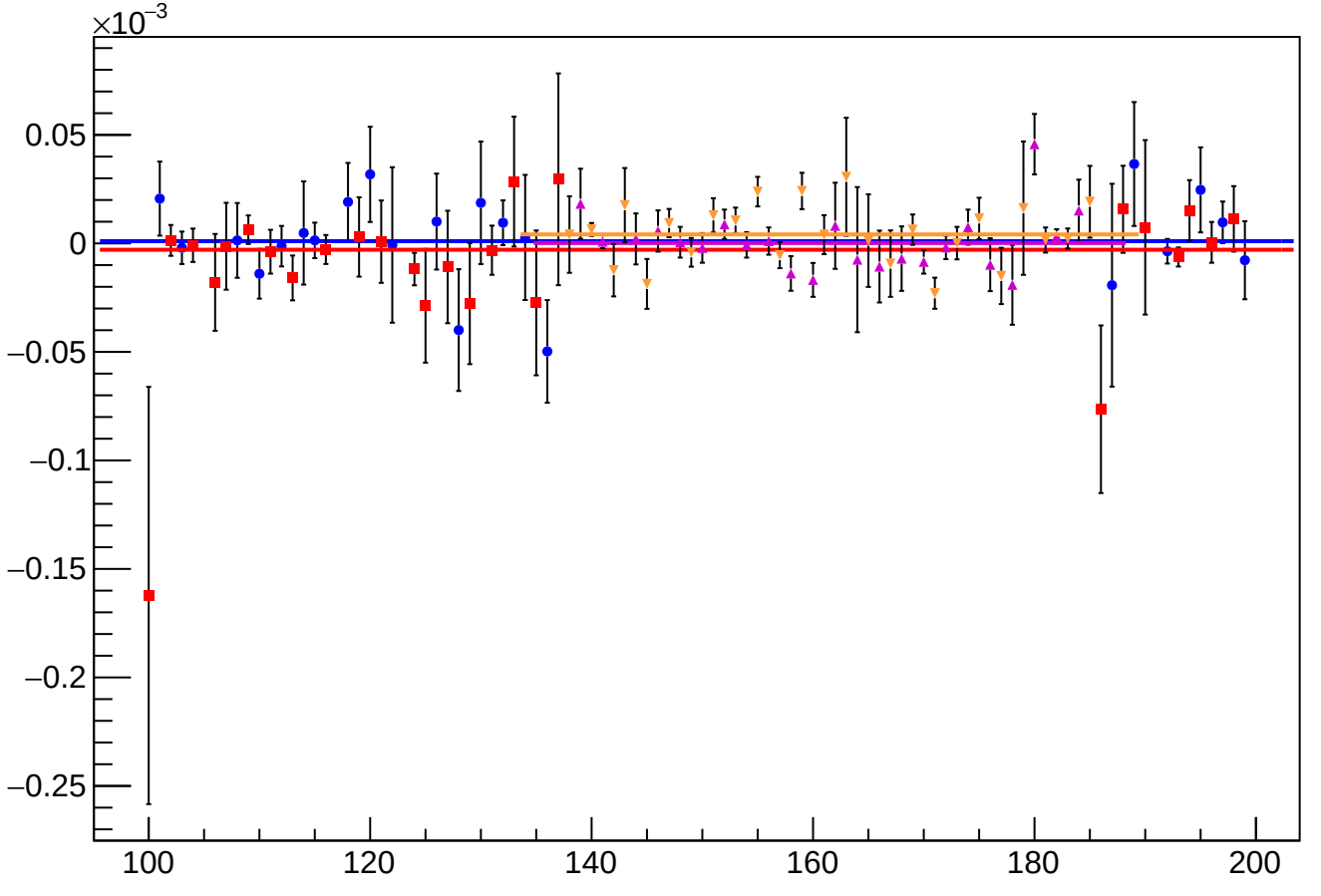
Left: 225.993+/-0.028 χ^2/NDF: 5933206.6/47

Right: 139.505+/-0.023 χ^2/NDF: 8234517.0/47

In: 190.569+/-0.027 χ^2/NDF:6782911.1/44

Out: 162.412+/-0.024 χ^2/NDF:12516633.8/50

All: 174.591+/-0.018 χ^2/NDF: 19920209.4/95



Right In: 0.000+/-0.000 χ^2/NDF: 19.2/21

Left Out: 0.000+/-0.000 χ^2/NDF:48.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 20.5/25

Left In: 0.000+/-0.000 χ^2/NDF:30.1/22

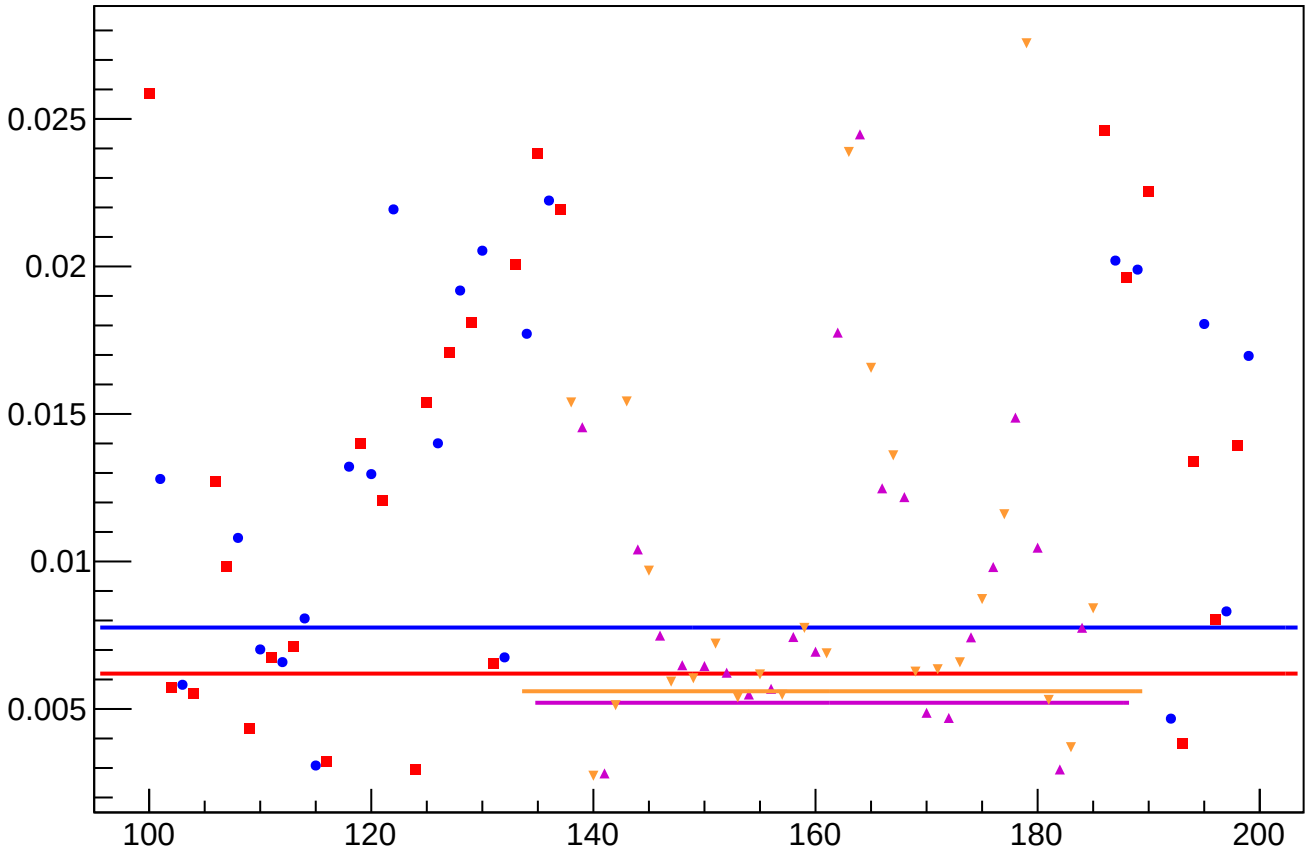
Left: 0.000+/-0.000 χ^2/NDF: 82.6/47

Right: -0.000+/-0.000 χ^2/NDF: 41.0/47

In: 0.000+/-0.000 χ^2/NDF:49.3/44

Out: 0.000+/-0.000 χ^2/NDF:76.8/50

All: 0.000+/-0.000 χ^2/NDF: 126.9/95



Right In: 0.008+/-0.000 χ^2/NDF: 5763218.8/21

Left Out: 0.006+/-0.000 χ^2/NDF:7769287.5/24

Right Out: 0.006+/-0.000 χ^2/NDF: 7408549.2/25

Left In: 0.005+/-0.000 χ^2/NDF:7460452.2/22

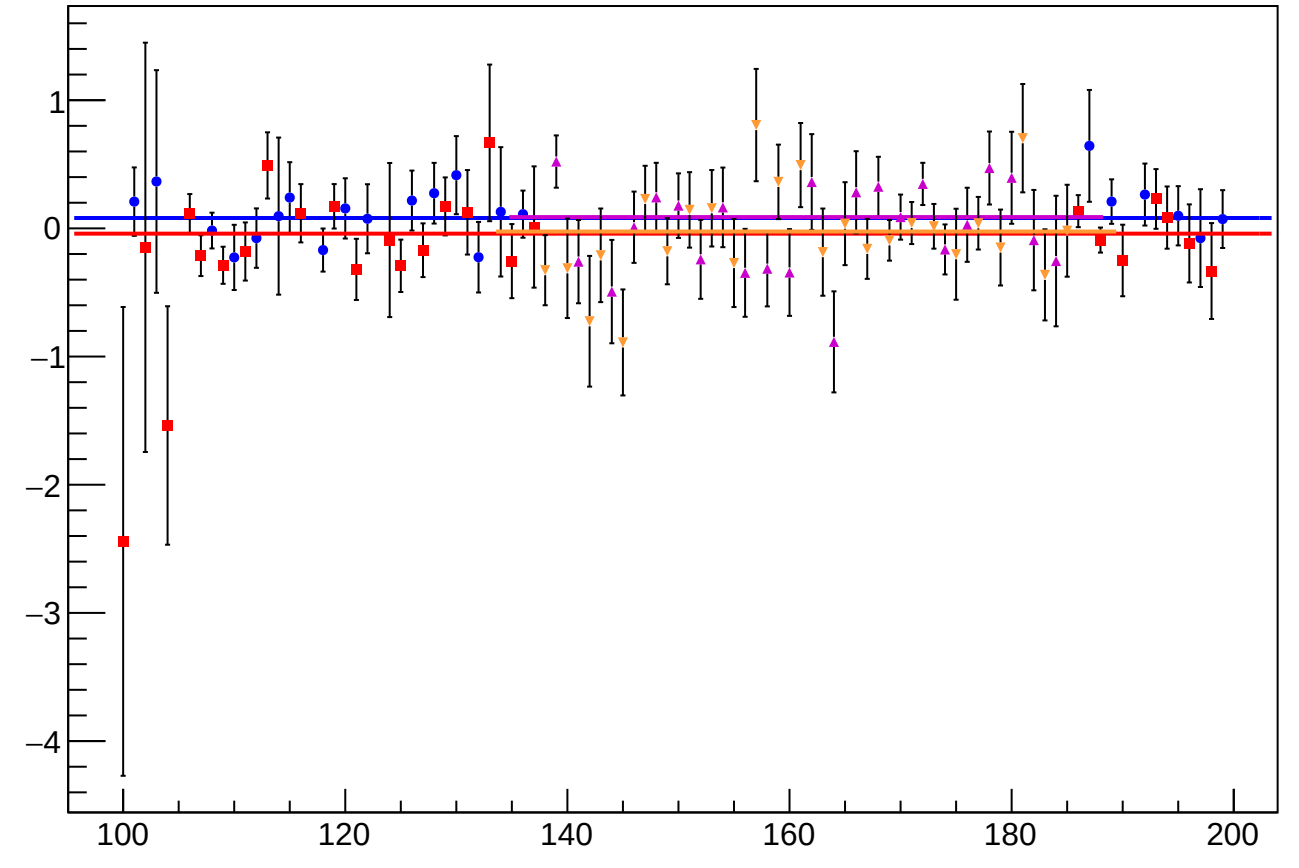
Left: 0.005+/-0.000 χ^2/NDF: 15302092.7/47

Right: 0.007+/-0.000 χ^2/NDF: 13576083.6/47

In: 0.006+/-0.000 χ^2/NDF:14581612.8/44

Out: 0.006+/-0.000 χ^2/NDF:15284818.2/50

All: 0.006+/-0.000 χ^2/NDF: 29867309.5/95



Right In: 0.081+/-0.051 χ^2/NDF: 11.8/21

Left Out: -0.025+/-0.055 χ^2/NDF:24.1/24

Right Out: -0.041+/-0.042 χ^2/NDF: 27.5/25

Left In: 0.088+/-0.057 χ^2/NDF:30.0/22

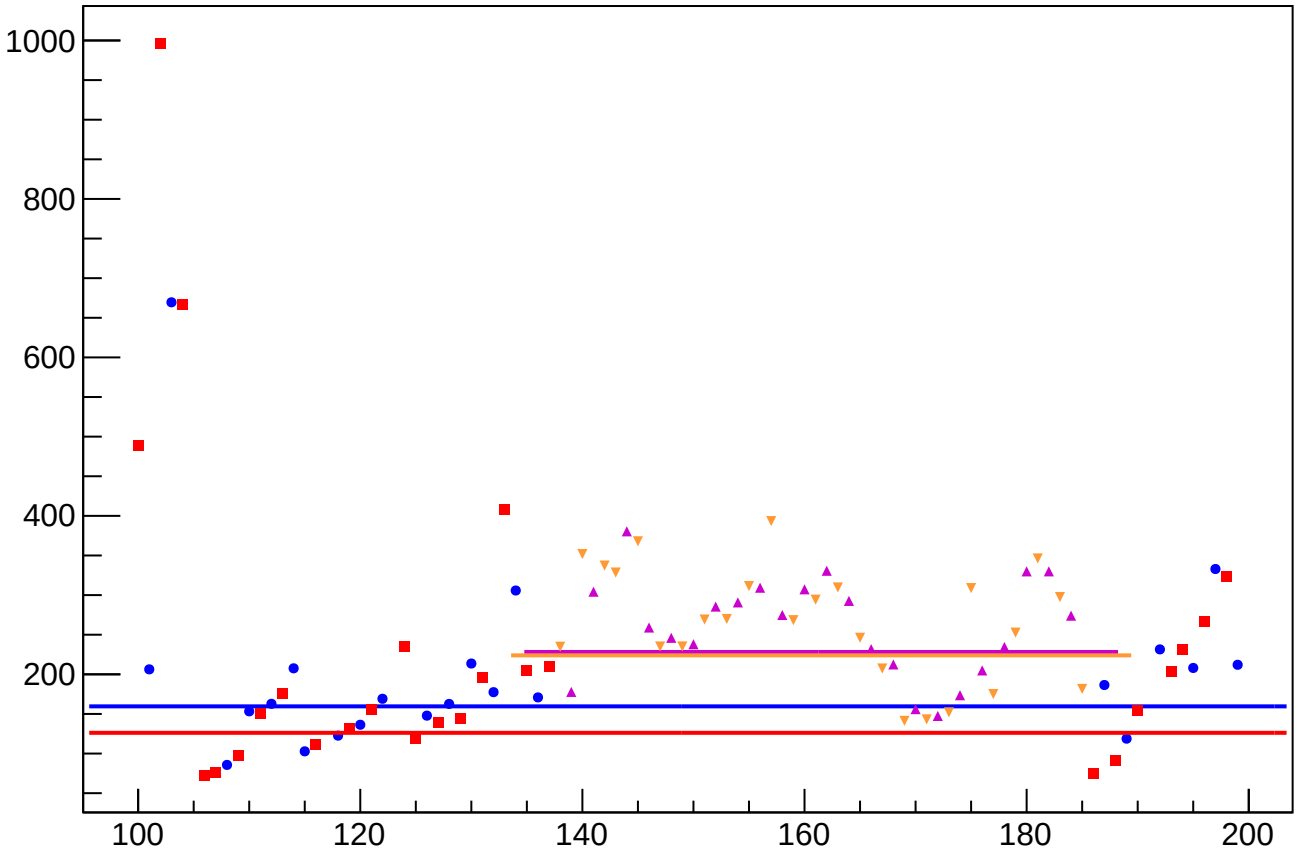
Left: 0.030+/-0.039 χ^2/NDF: 56.1/47

Right: 0.008+/-0.032 χ^2/NDF: 42.7/47

In: 0.084+/-0.038 χ^2/NDF:41.9/44

Out: -0.035+/-0.033 χ^2/NDF:51.6/50

All: 0.017+/-0.025 χ^2/NDF: 99.0/95



Right In: 159.576+/-0.036 χ^2/NDF: 2685365.5/21

Left Out: 223.946+/-0.039 χ^2/NDF:3438541.7/24

Right Out: 126.176+/-0.030 χ^2/NDF: 5041481.1/25

Left In: 228.201+/-0.040 χ^2/NDF:2488951.6/22

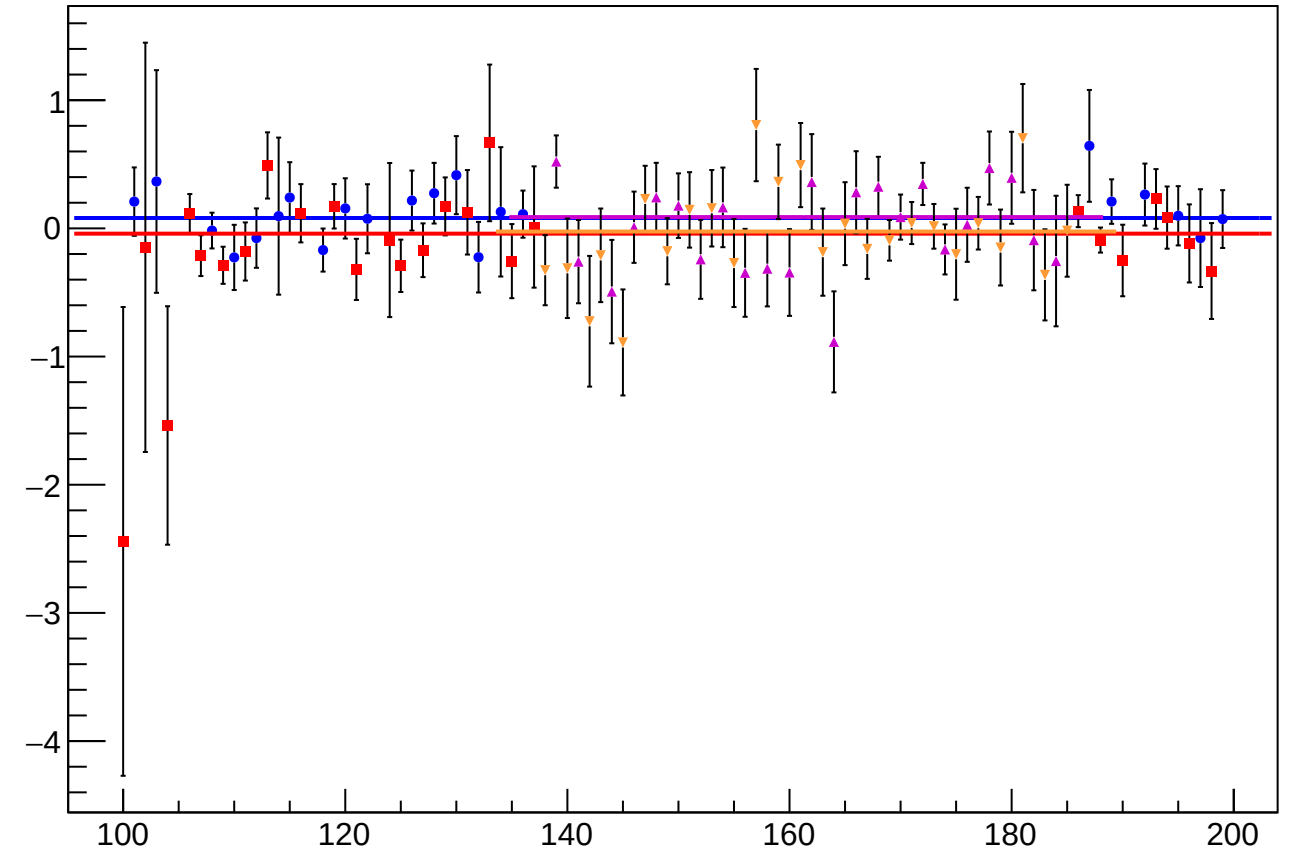
Left: 225.995+/-0.028 χ^2/NDF: 5933340.6/47

Right: 139.507+/-0.023 χ^2/NDF: 8234012.2/47

In: 190.567+/-0.027 χ^2/NDF:6783371.1/44

Out: 162.416+/-0.024 χ^2/NDF:12515900.6/50

All: 174.593+/-0.018 χ^2/NDF: 19919647.3/95



Right In: 0.081+/-0.051 χ^2/NDF: 11.8/21

Left Out: -0.025+/-0.055 χ^2/NDF:24.1/24

Right Out: -0.041+/-0.042 χ^2/NDF: 27.5/25

Left In: 0.088+/-0.057 χ^2/NDF:30.0/22

Left: 0.030+/-0.039 χ^2/NDF: 56.1/47

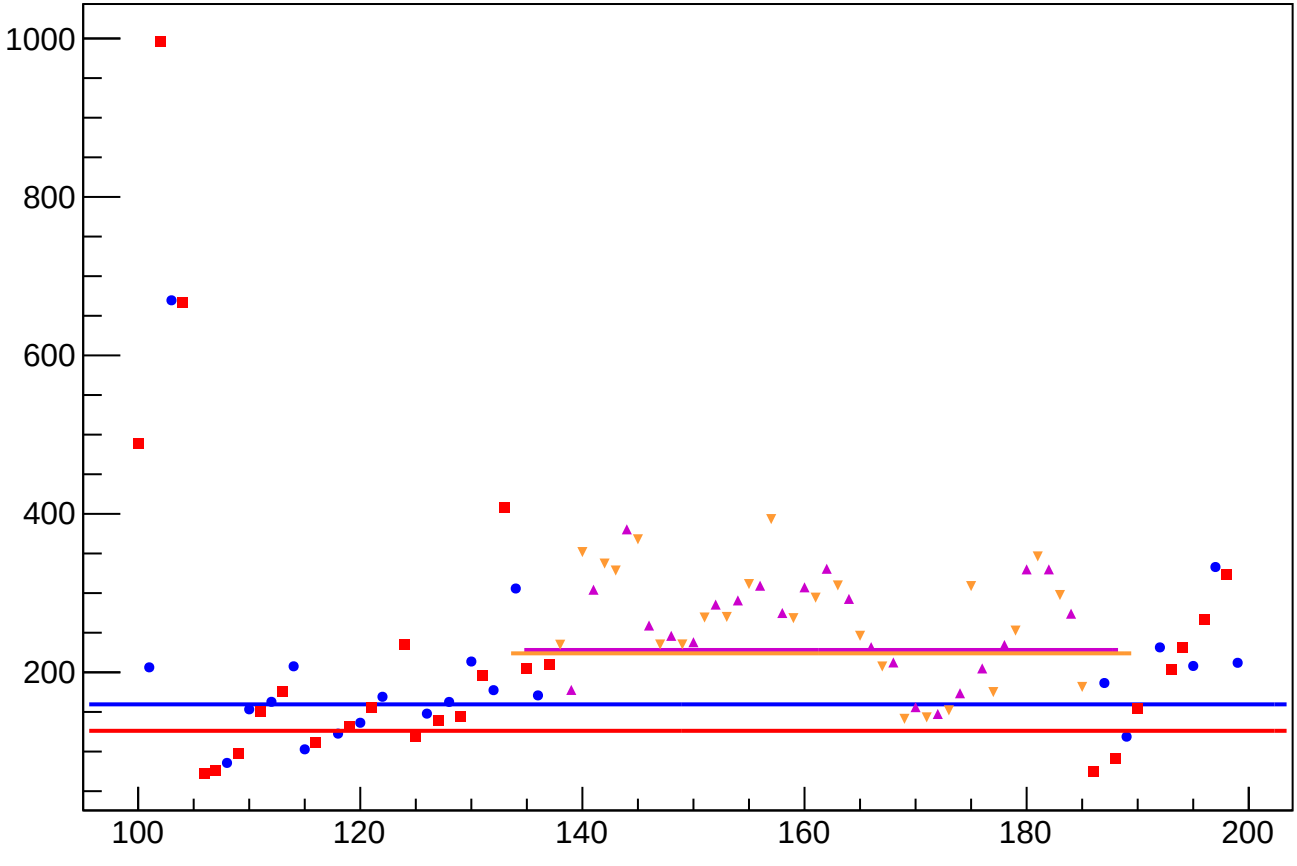
Right: 0.008+/-0.032 χ^2/NDF: 42.7/47

In: 0.084+/-0.038 χ^2/NDF:41.9/44

Out: -0.035+/-0.033 χ^2/NDF:51.6/50

All: 0.017+/-0.025 χ^2/NDF: 99.0/95

asym_usr_atr2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 159.576+/-0.036 χ^2/NDF: 2685365.5/21

Left Out: 223.946+/-0.039 χ^2/NDF:3438541.7/24

Right Out: 126.176+/-0.030 χ^2/NDF: 5041481.1/25

Left In: 228.201+/-0.040 χ^2/NDF:2488951.6/22

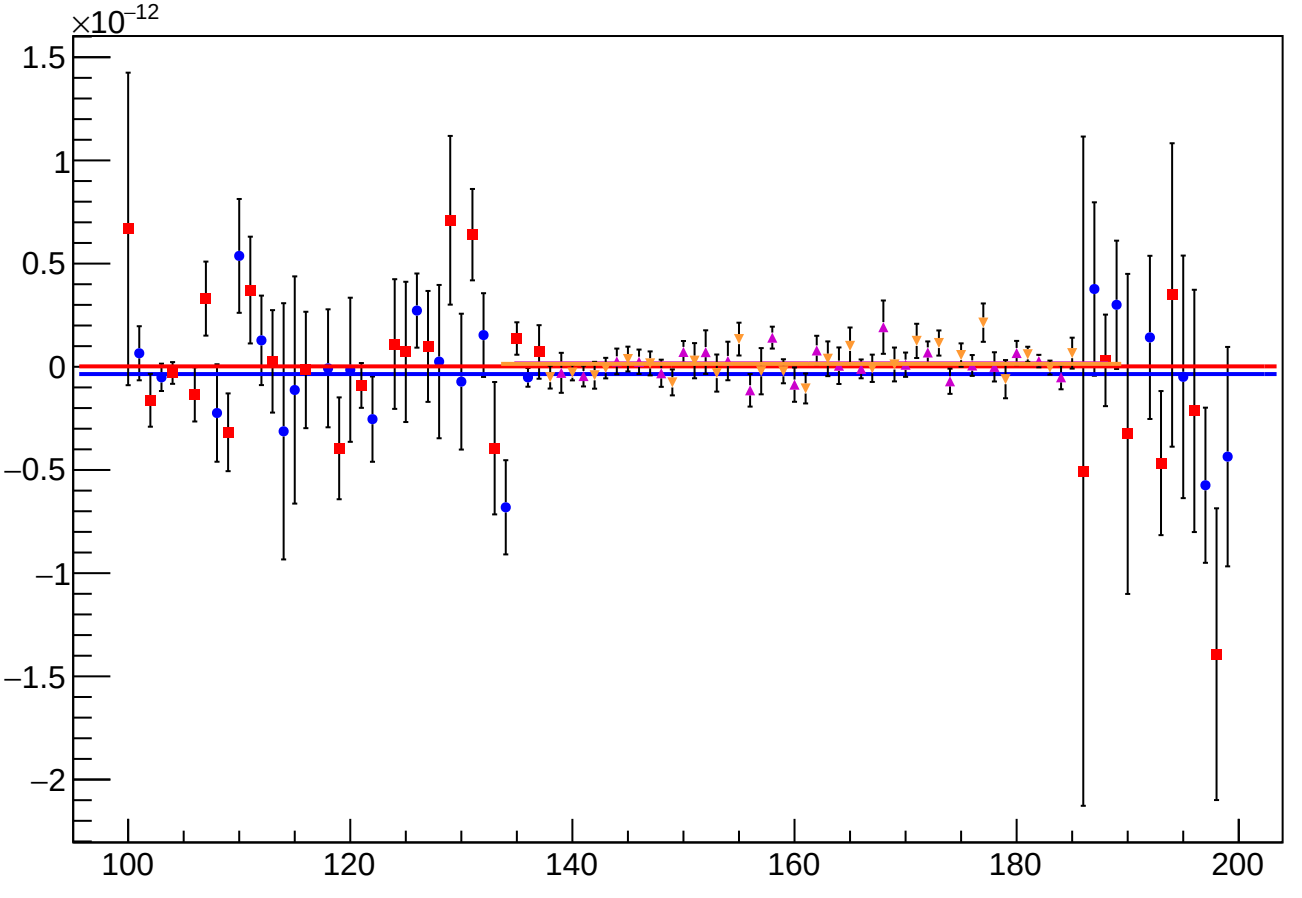
Left: 225.995+/-0.028 χ^2/NDF: 5933340.6/47

Right: 139.507+/-0.023 χ^2/NDF: 8234012.2/47

In: 190.567+/-0.027 χ^2/NDF:6783371.1/44

Out: 162.416+/-0.024 χ^2/NDF:12515900.6/50

All: 174.593+/-0.018 χ^2/NDF: 19919647.3/95



Right In: -0.000+/-0.000 χ^2/NDF: 24.4/21

Left Out: 0.000+/-0.000 χ^2/NDF:25.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 38.2/25

Left In: 0.000+/-0.000 χ^2/NDF:21.7/22

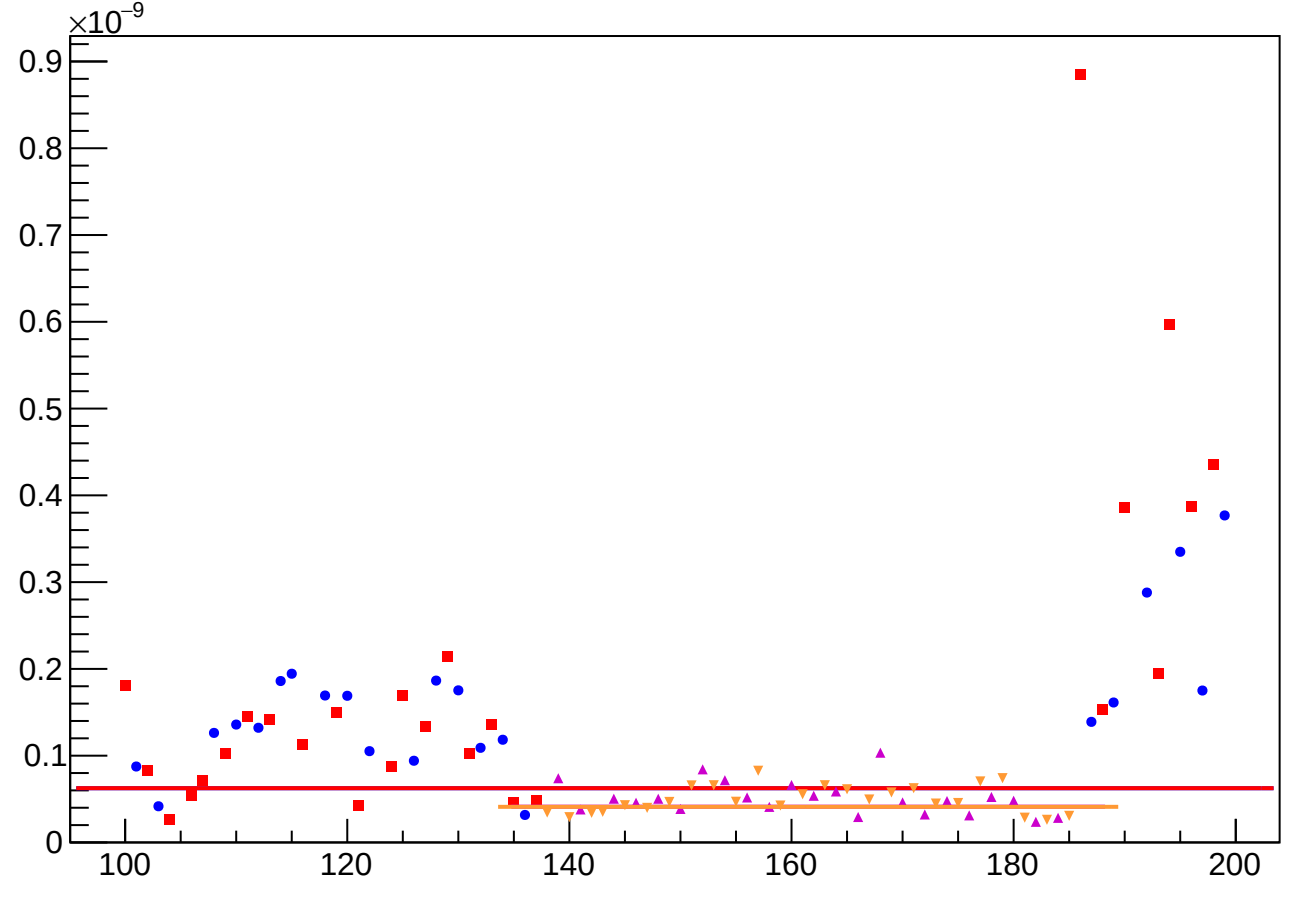
Left: 0.000+/-0.000 χ^2/NDF: 47.1/47

Right: -0.000+/-0.000 χ^2/NDF: 63.3/47

In: 0.000+/-0.000 χ^2/NDF:48.5/44

Out: 0.000+/-0.000 χ^2/NDF:63.6/50

All: 0.000+/-0.000 χ^2/NDF: 112.2/95



Right In: 0.000+/-0.000 χ^2/NDF: 5406853.7/21

Left Out: 0.000+/-0.000 χ^2/NDF:2644306.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6528310.2/25

Left In: 0.000+/-0.000 χ^2/NDF:2852113.9/22

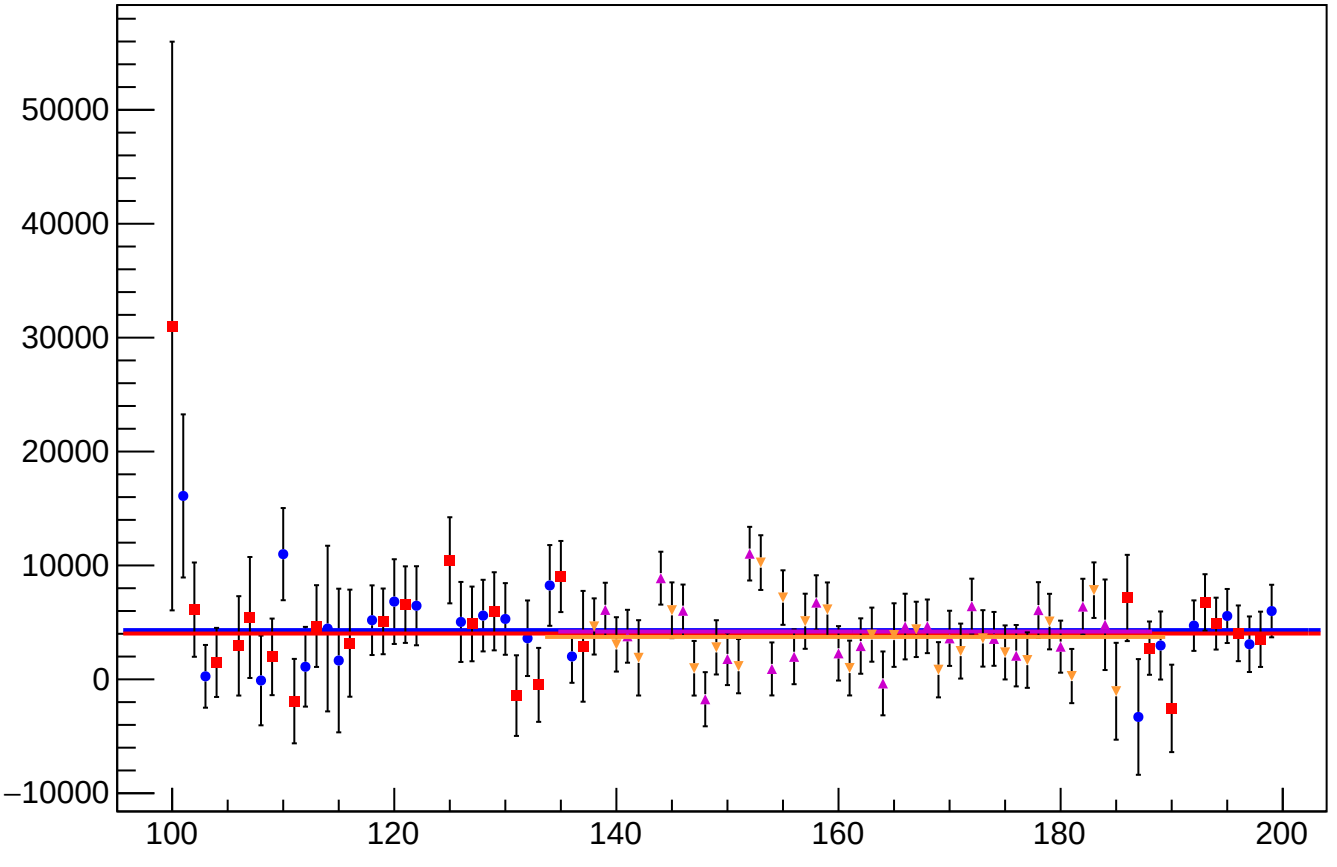
Left: 0.000+/-0.000 χ^2/NDF: 5496578.5/47

Right: 0.000+/-0.000 χ^2/NDF: 11935175.6/47

In: 0.000+/-0.000 χ^2/NDF:9042522.6/44

Out: 0.000+/-0.000 χ^2/NDF:9988000.3/50

All: 0.000+/-0.000 χ^2/NDF: 19030882.1/95



Right In: 4323.017+/-675.195 χ^2/NDF: 16.9/21

Left Out: 3723.486+/-507.155 χ^2/NDF:25.4/23

Right Out: 4021.431+/-655.168 χ^2/NDF: 21.5/24

Left In: 4195.942+/-510.578 χ^2/NDF:32.1/22

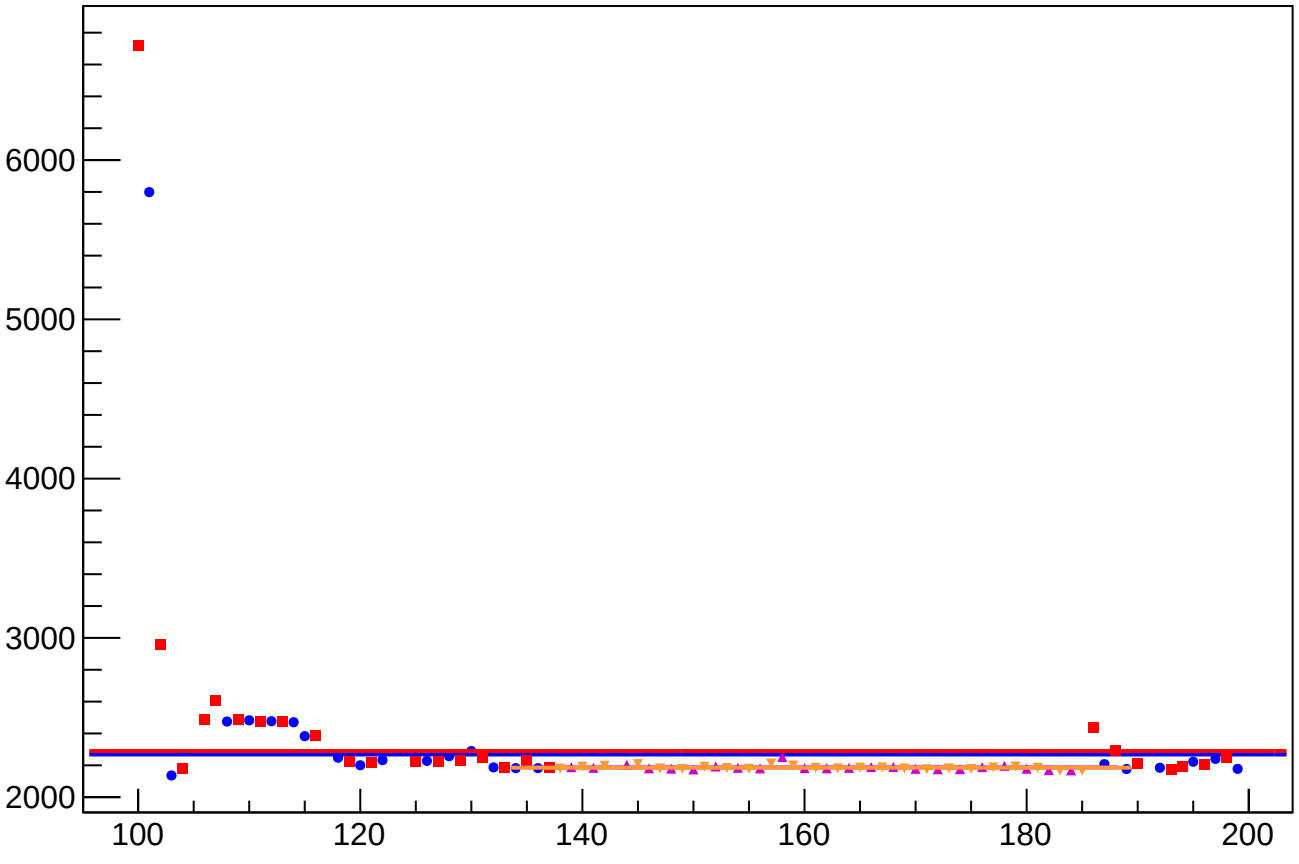
Left: 3958.125+/-359.817 χ^2/NDF: 58.0/46

Right: 4167.685+/-470.194 χ^2/NDF: 38.5/46

In: 4242.172+/-407.249 χ^2/NDF:49.0/44

Out: 3835.123+/-401.041 χ^2/NDF:47.1/48

All: 4035.521+/-285.748 χ^2/NDF: 96.6/93



Right In: 2268.021+/-0.477 χ^2/NDF: 526791.5/21

Left Out: 2185.133+/-0.359 χ^2/NDF:815.1/23

Right Out: 2289.601+/-0.463 χ^2/NDF: 170325.7/24

Left In: 2186.745+/-0.361 χ^2/NDF:2063.9/22

Left: 2185.934+/-0.254 χ^2/NDF: 2889.0/46

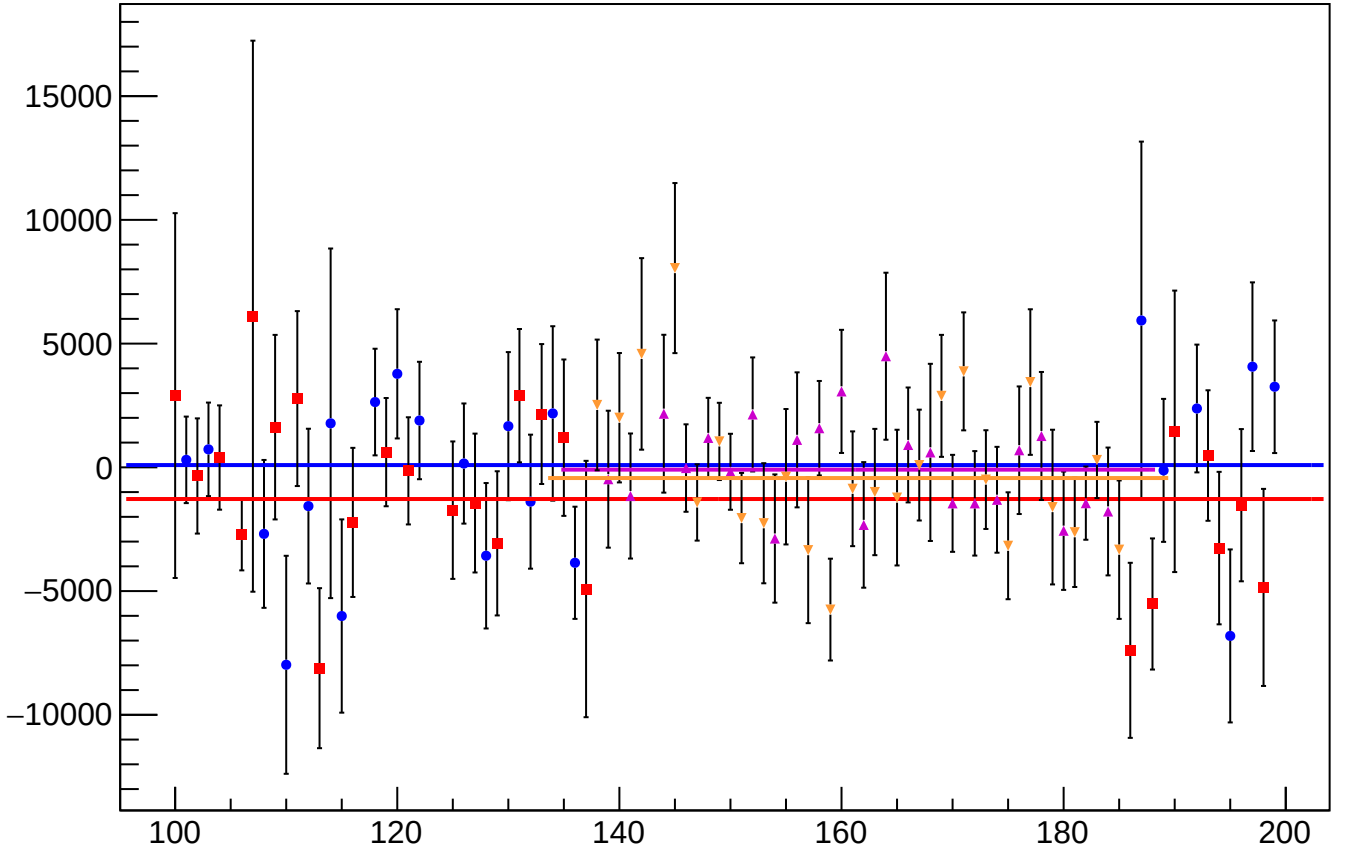
Right: 2279.135+/-0.332 χ^2/NDF: 698169.5/46

In: 2216.313+/-0.288 χ^2/NDF:547292.1/44

Out: 2224.276+/-0.284 χ^2/NDF:202937.9/48

All: 2220.356+/-0.202 χ^2/NDF: 750618.2/93

asym_us_avg_at1lr_avg_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: 91.881+/-586.858 χ^2/NDF: 24.7/21

Left Out: -432.286+/-462.383 χ^2/NDF:31.3/23

Right Out: -1279.654+/-563.248 χ^2/NDF: 23.0/24

Left In: -92.649+/-460.669 χ^2/NDF:12.8/22

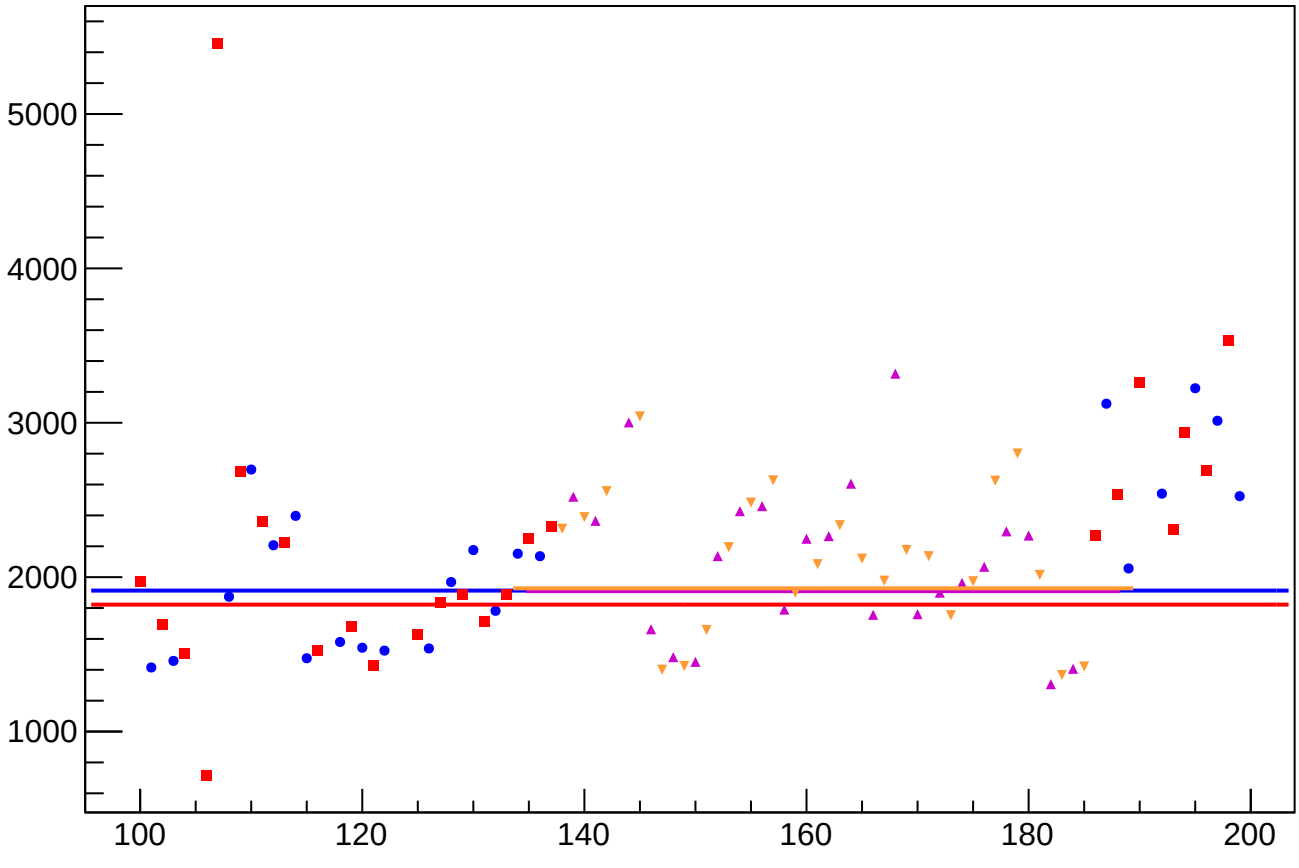
Left: -261.837+/-326.347 χ^2/NDF: 44.3/46

Right: -622.030+/-406.367 χ^2/NDF: 50.5/46

In: -22.295+/-362.363 χ^2/NDF:37.5/44

Out: -773.435+/-357.384 χ^2/NDF:55.6/48

All: -403.060+/-254.451 χ^2/NDF: 95.3/93



Right In: 1913.082+/-0.415 χ^2/NDF: 1406228.7/21

Left Out: 1927.660+/-0.327 χ^2/NDF:1798383.1/23

Right Out: 1822.109+/-0.398 χ^2/NDF: 2980179.0/24

Left In: 1909.612+/-0.326 χ^2/NDF:1942264.8/22

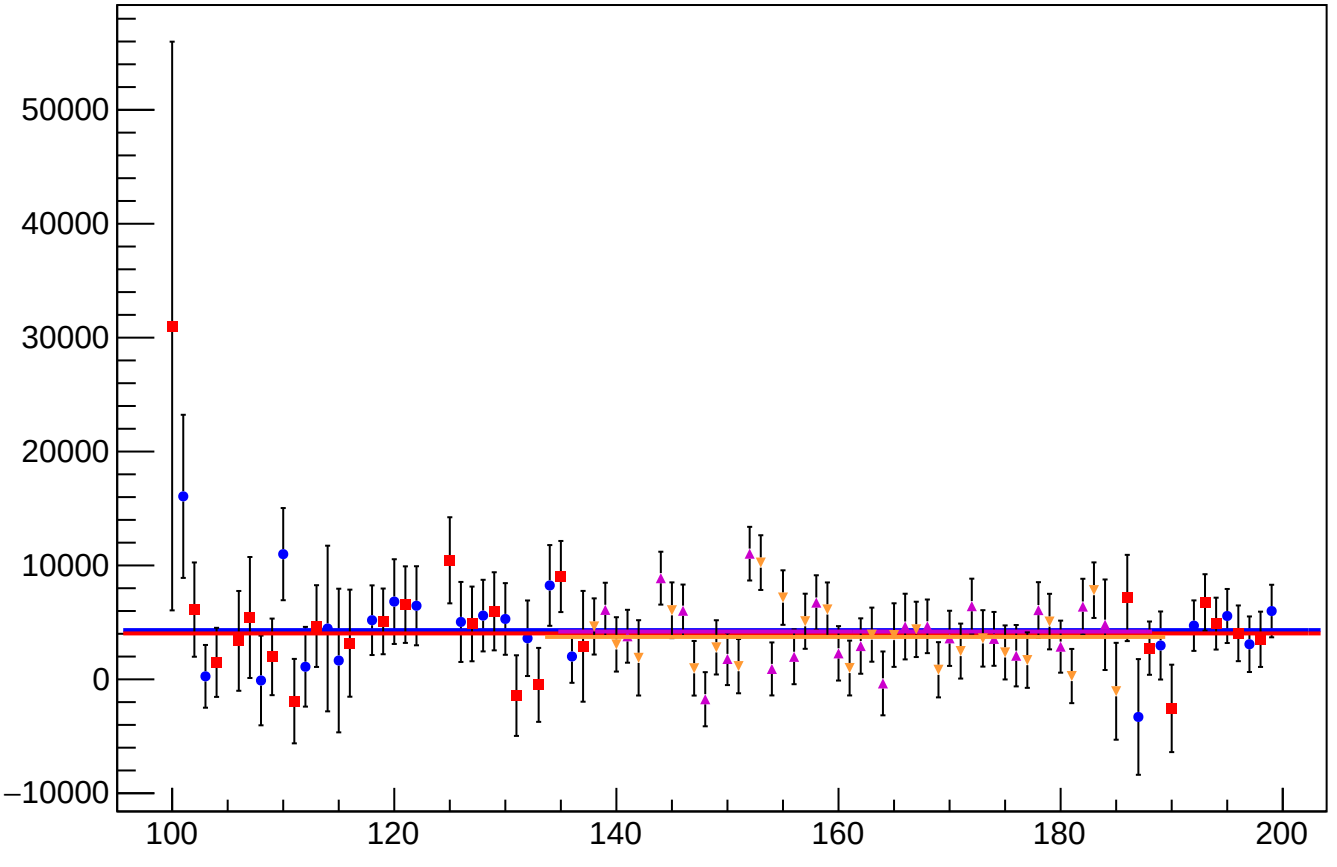
Left: 1918.603+/-0.231 χ^2/NDF: 3742177.0/46

Right: 1865.729+/-0.287 χ^2/NDF: 4411423.8/46

In: 1910.935+/-0.256 χ^2/NDF:3348536.7/44

Out: 1885.166+/-0.253 χ^2/NDF:4820520.8/48

All: 1897.872+/-0.180 χ^2/NDF: 8174184.7/93



Right In: 4322.669+/-675.195 χ^2/NDF: 16.9/21

Left Out: 3723.433+/-507.155 χ^2/NDF:25.4/23

Right Out: 4031.703+/-655.231 χ^2/NDF: 21.4/24

Left In: 4196.060+/-510.578 χ^2/NDF:32.1/22

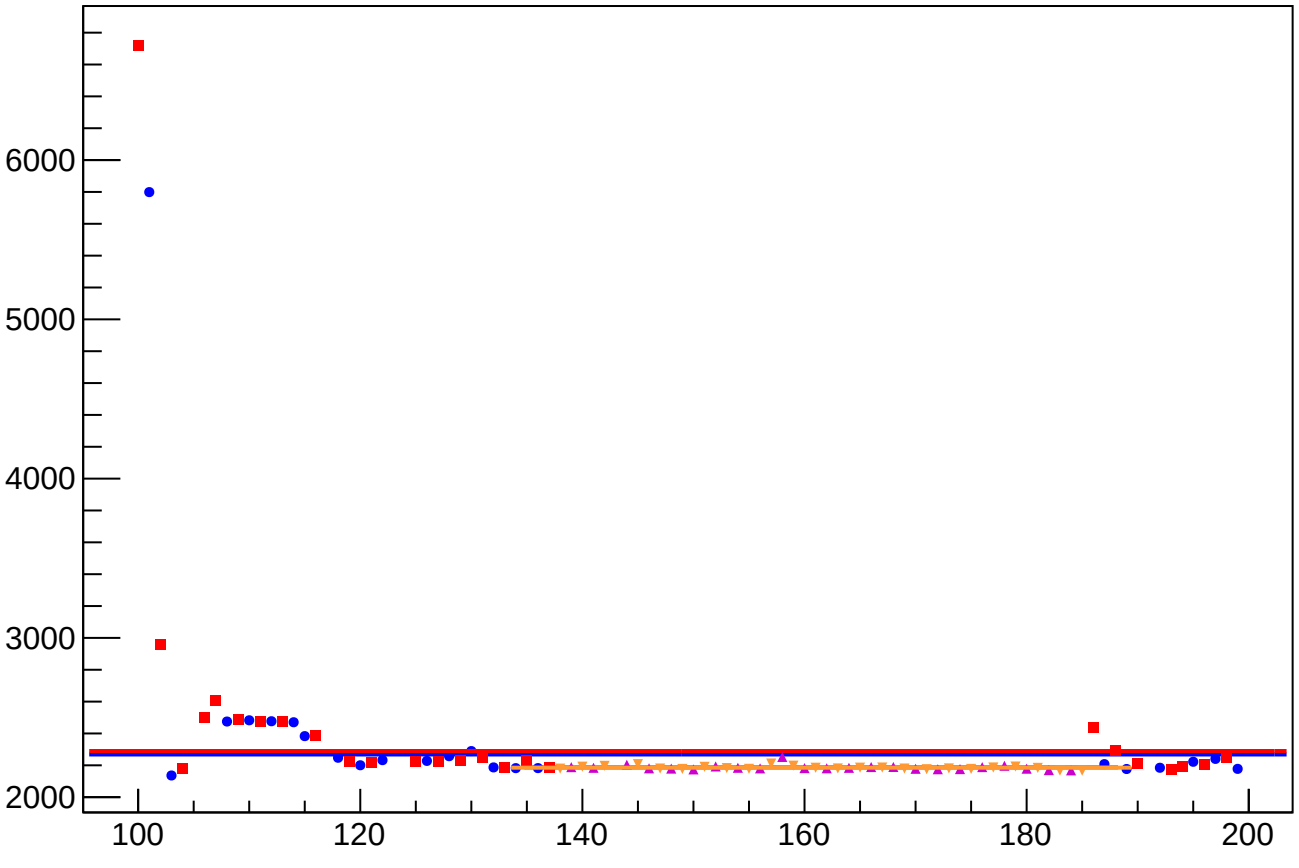
Left: 3958.157+/-359.817 χ^2/NDF: 58.0/46

Right: 4172.821+/-470.218 χ^2/NDF: 38.4/46

In: 4242.120+/-407.249 χ^2/NDF:49.0/44

Out: 3838.925+/-401.055 χ^2/NDF:47.0/48

All: 4037.433+/-285.753 χ^2/NDF: 96.5/93



Right In: 2268.021+/-0.477 χ^2/NDF: 526791.9/21

Left Out: 2185.133+/-0.359 χ^2/NDF:815.1/23

Right Out: 2289.802+/-0.463 χ^2/NDF: 170749.5/24

Left In: 2186.745+/-0.361 χ^2/NDF:2063.9/22

Left: 2185.934+/-0.254 χ^2/NDF: 2889.0/46

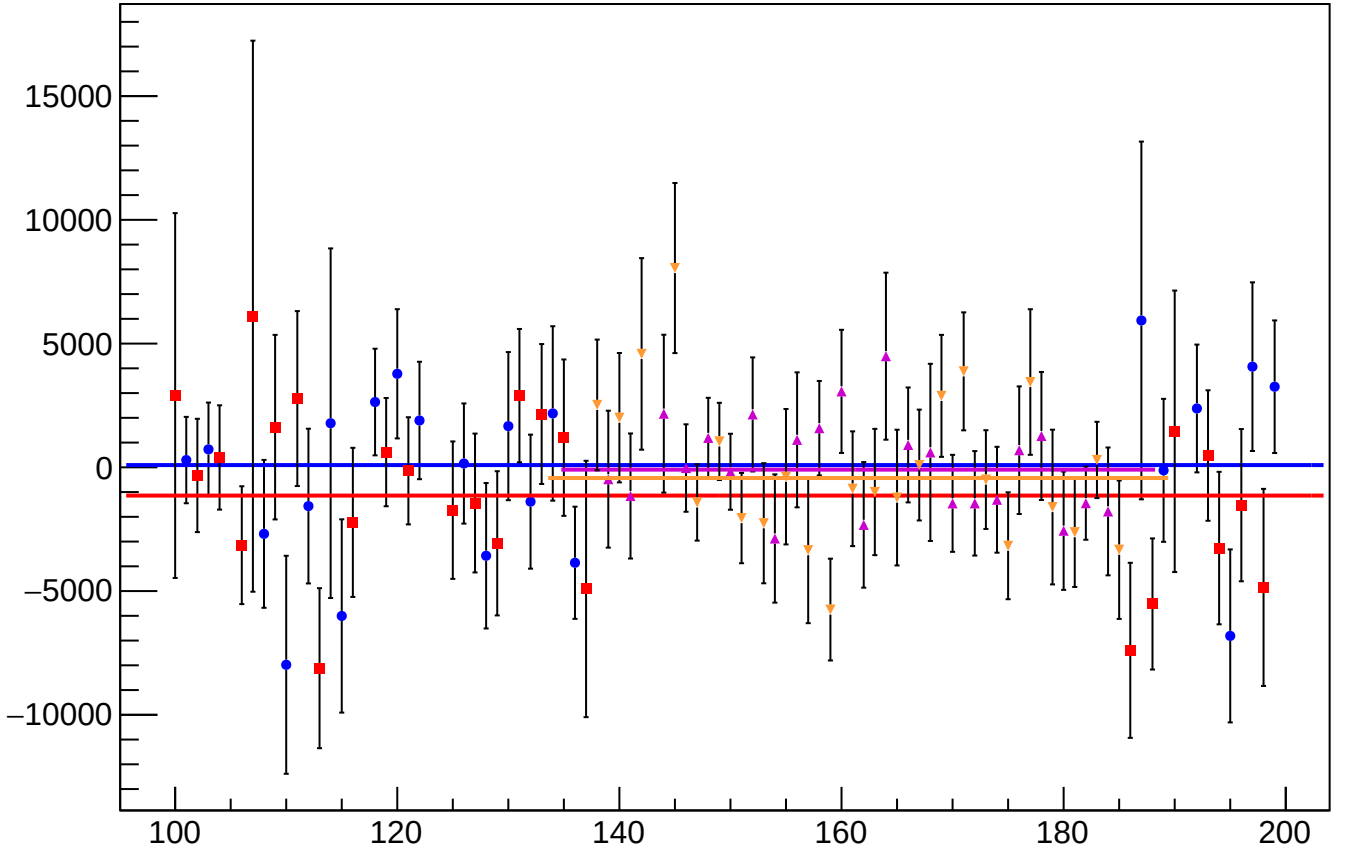
Right: 2279.238+/-0.332 χ^2/NDF: 698613.2/46

In: 2216.313+/-0.288 χ^2/NDF:547292.5/44

Out: 2224.347+/-0.284 χ^2/NDF:203480.2/48

All: 2220.391+/-0.202 χ^2/NDF: 751167.7/93

asym_us_avg_at1lr_avg_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: 90.984+/-586.767 χ^2/NDF: 24.7/21

Left Out: -432.320+/-462.383 χ^2/NDF:31.3/23

Right Out: -1141.693+/-592.833 χ^2/NDF: 22.5/24

Left In: -92.604+/-460.670 χ^2/NDF:12.8/22

Left: -261.832+/-326.347 χ^2/NDF: 44.3/46

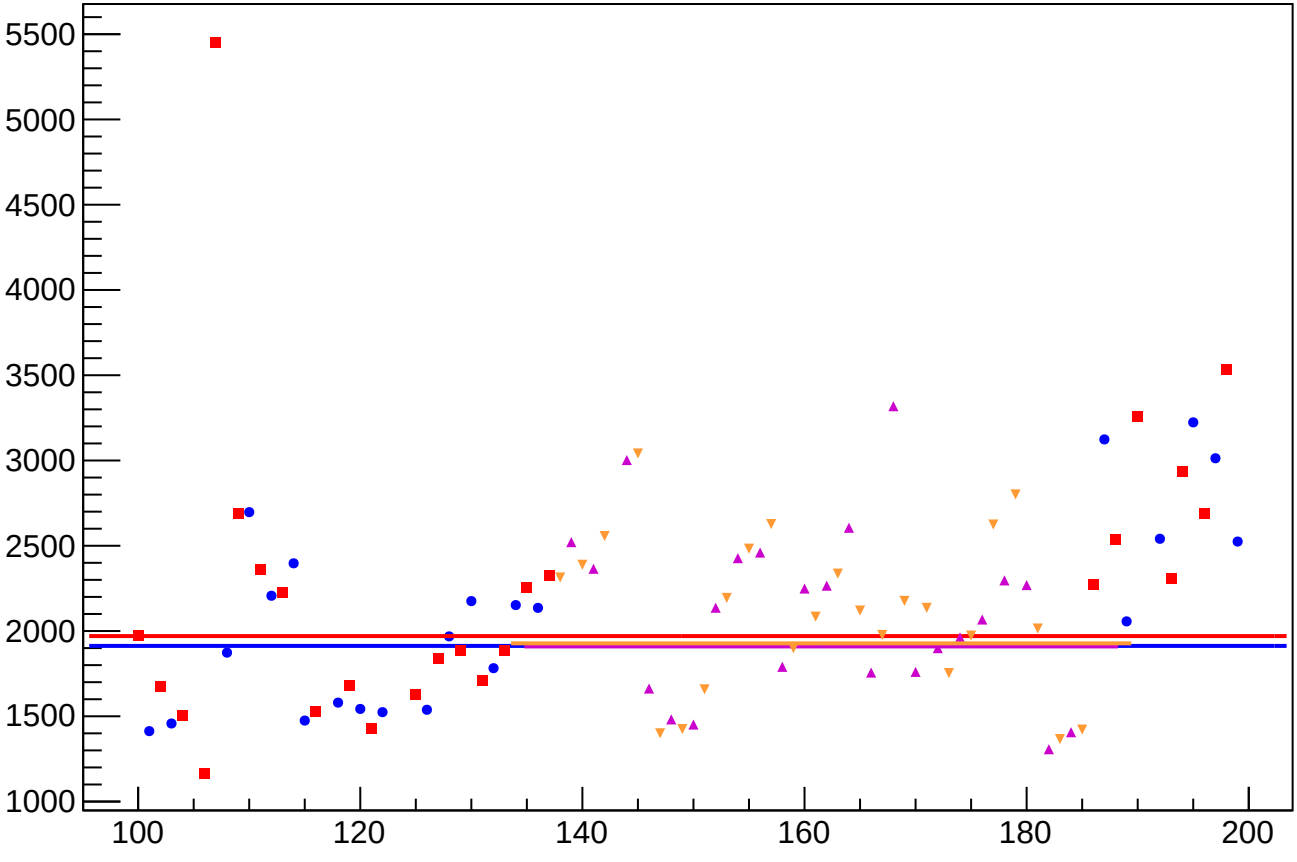
Right: -519.016+/-417.035 χ^2/NDF: 49.4/46

In: -22.596+/-362.342 χ^2/NDF:37.5/44

Out: -700.631+/-364.598 χ^2/NDF:54.7/48

All: -359.509+/-257.008 χ^2/NDF: 94.0/93

asym_us_avg_at1lr_avg_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 1912.716+/-0.415 χ^2/NDF: 1407931.5/21

Left Out: 1927.659+/-0.327 χ^2/NDF:1798407.2/23

Right Out: 1970.379+/-0.419 χ^2/NDF: 1808924.0/24

Left In: 1909.618+/-0.326 χ^2/NDF:1942286.8/22

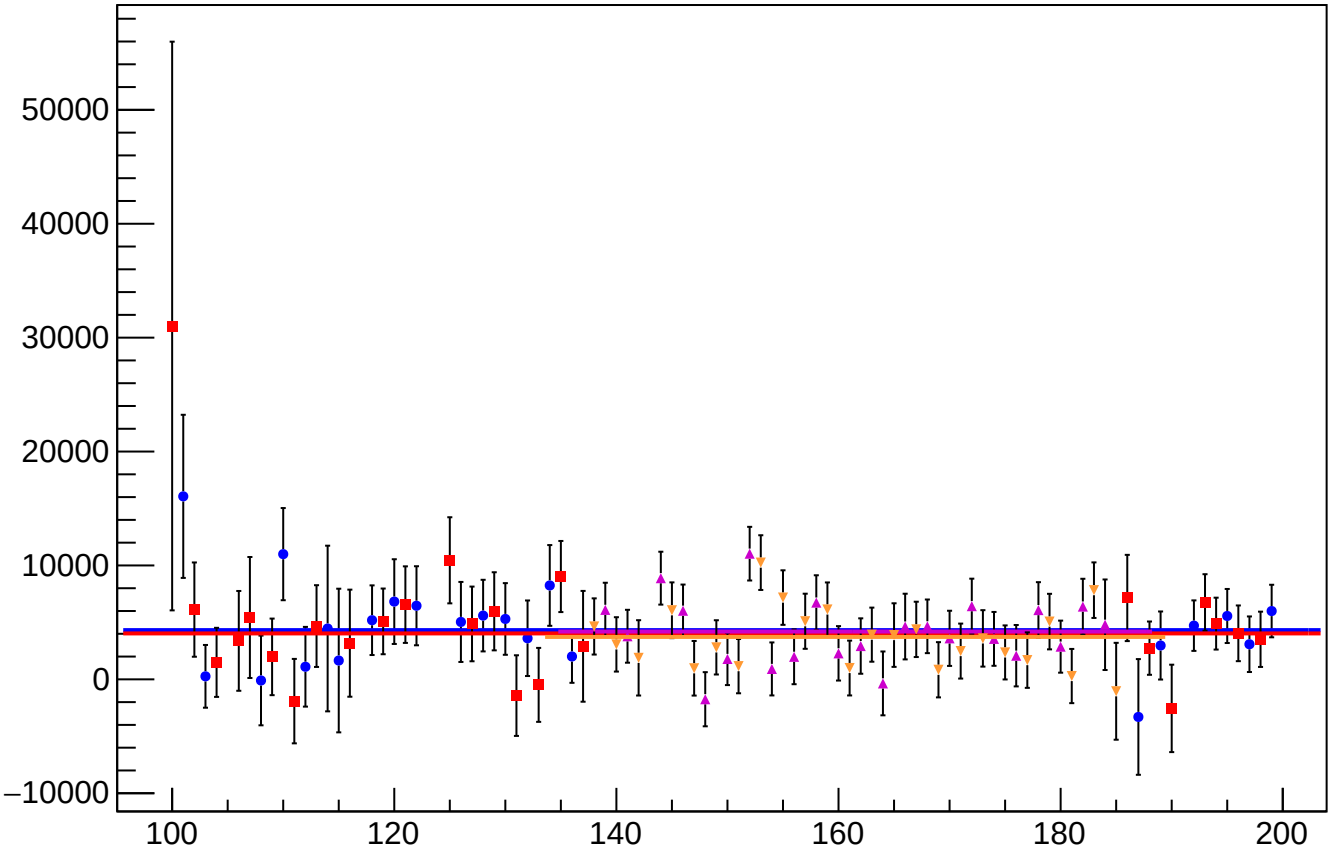
Left: 1918.605+/-0.231 χ^2/NDF: 3742222.0/46

Right: 1941.251+/-0.295 χ^2/NDF: 3226413.9/46

In: 1910.799+/-0.256 χ^2/NDF:3350252.8/44

Out: 1943.817+/-0.258 χ^2/NDF:3613788.7/48

All: 1927.206+/-0.182 χ^2/NDF: 6972293.6/93



Right In: 4322.669+/-675.195 χ^2/NDF: 16.9/21

Left Out: 3723.433+/-507.155 χ^2/NDF:25.4/23

Right Out: 4031.703+/-655.231 χ^2/NDF: 21.4/24

Left In: 4196.060+/-510.578 χ^2/NDF:32.1/22

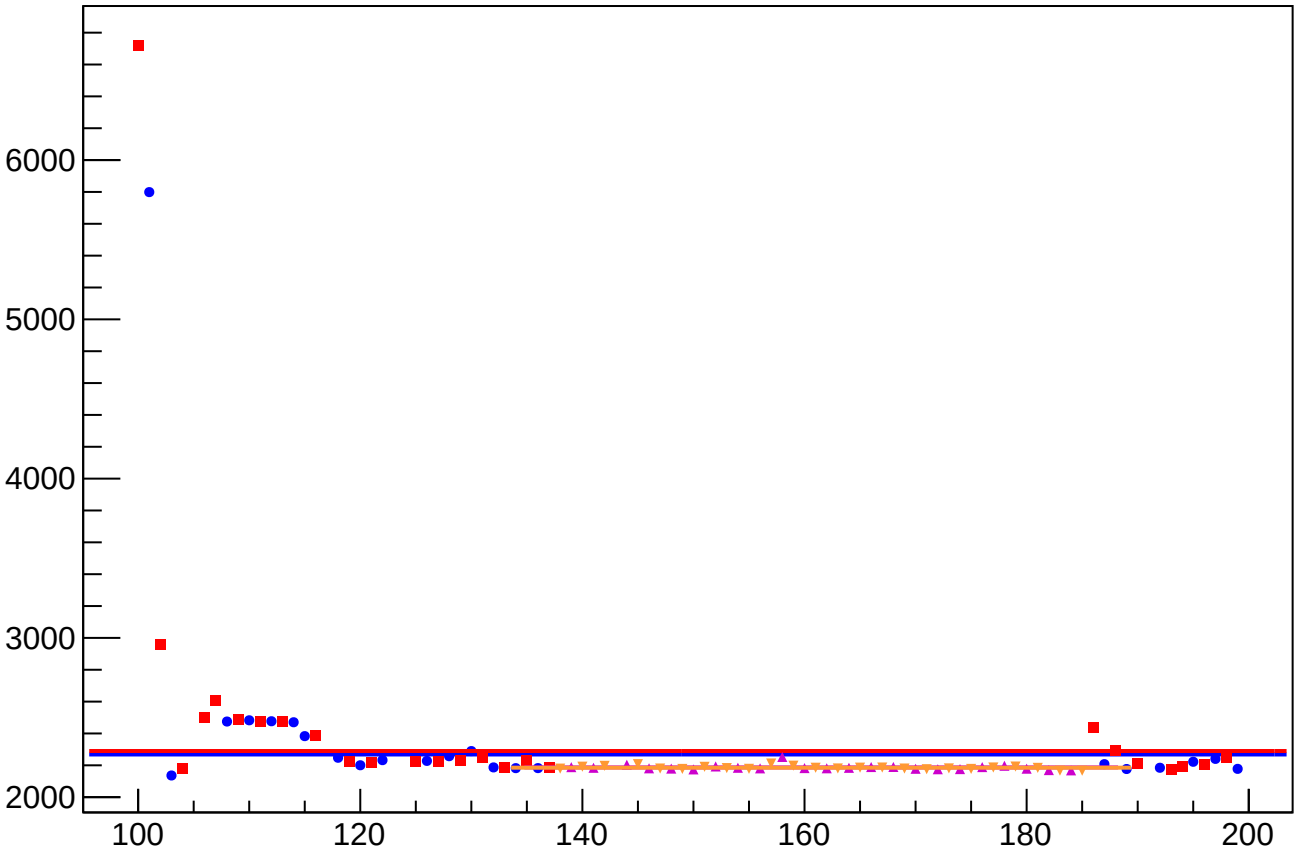
Left: 3958.157+/-359.817 χ^2/NDF: 58.0/46

Right: 4172.821+/-470.218 χ^2/NDF: 38.4/46

In: 4242.120+/-407.249 χ^2/NDF:49.0/44

Out: 3838.925+/-401.055 χ^2/NDF:47.0/48

All: 4037.433+/-285.753 χ^2/NDF: 96.5/93



Right In: 2268.021+/-0.477 χ^2/NDF: 526791.9/21

Left Out: 2185.133+/-0.359 χ^2/NDF:815.1/23

Right Out: 2289.802+/-0.463 χ^2/NDF: 170749.5/24

Left In: 2186.745+/-0.361 χ^2/NDF:2063.9/22

Left: 2185.934+/-0.254 χ^2/NDF: 2889.0/46

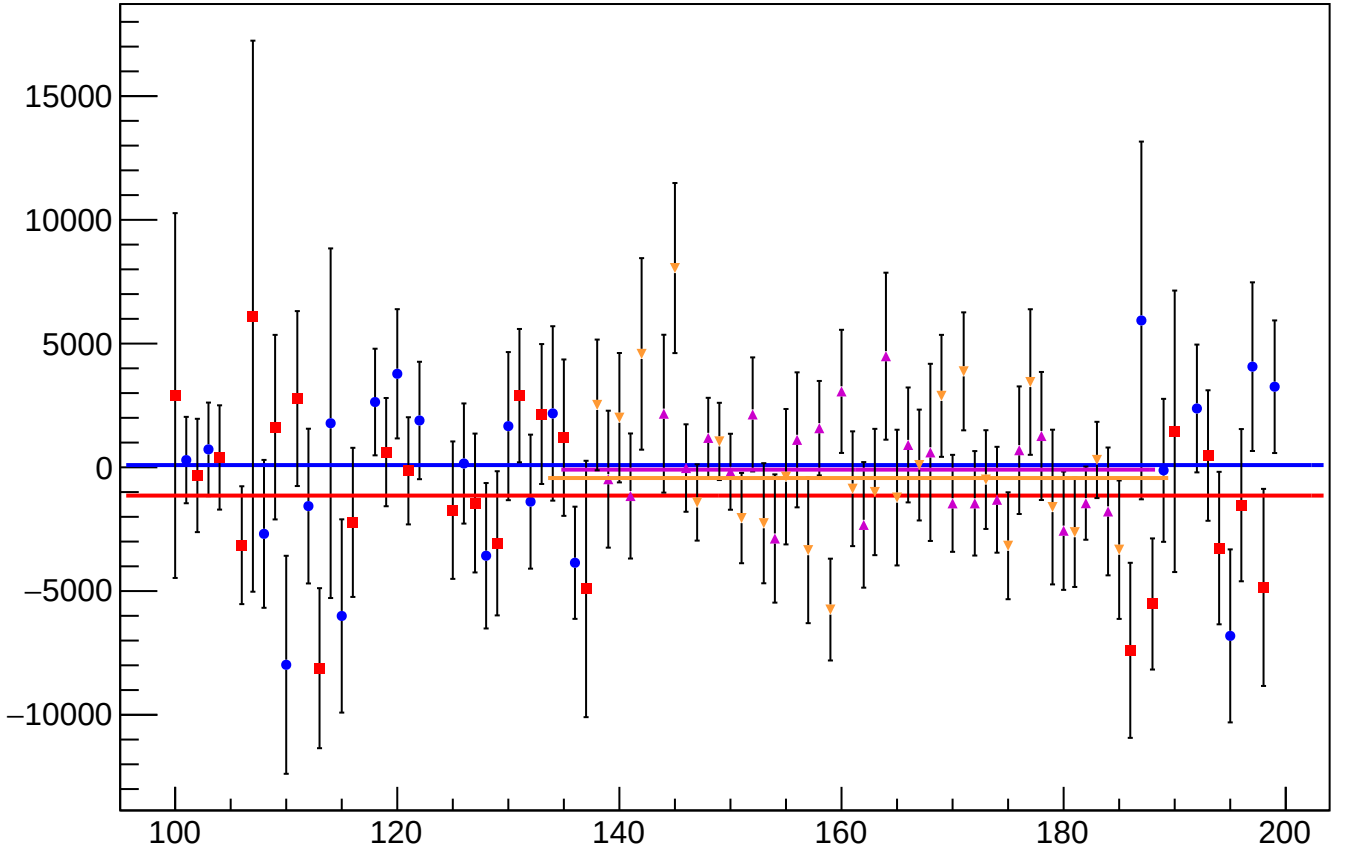
Right: 2279.238+/-0.332 χ^2/NDF: 698613.2/46

In: 2216.313+/-0.288 χ^2/NDF:547292.5/44

Out: 2224.347+/-0.284 χ^2/NDF:203480.2/48

All: 2220.391+/-0.202 χ^2/NDF: 751167.7/93

asym_us_avg_at1lr_avg_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 90.984+/-586.767 χ^2/NDF: 24.7/21

Left Out: -432.320+/-462.383 χ^2/NDF:31.3/23

Right Out: -1141.693+/-592.833 χ^2/NDF: 22.5/24

Left In: -92.604+/-460.670 χ^2/NDF:12.8/22

Left: -261.832+/-326.347 χ^2/NDF: 44.3/46

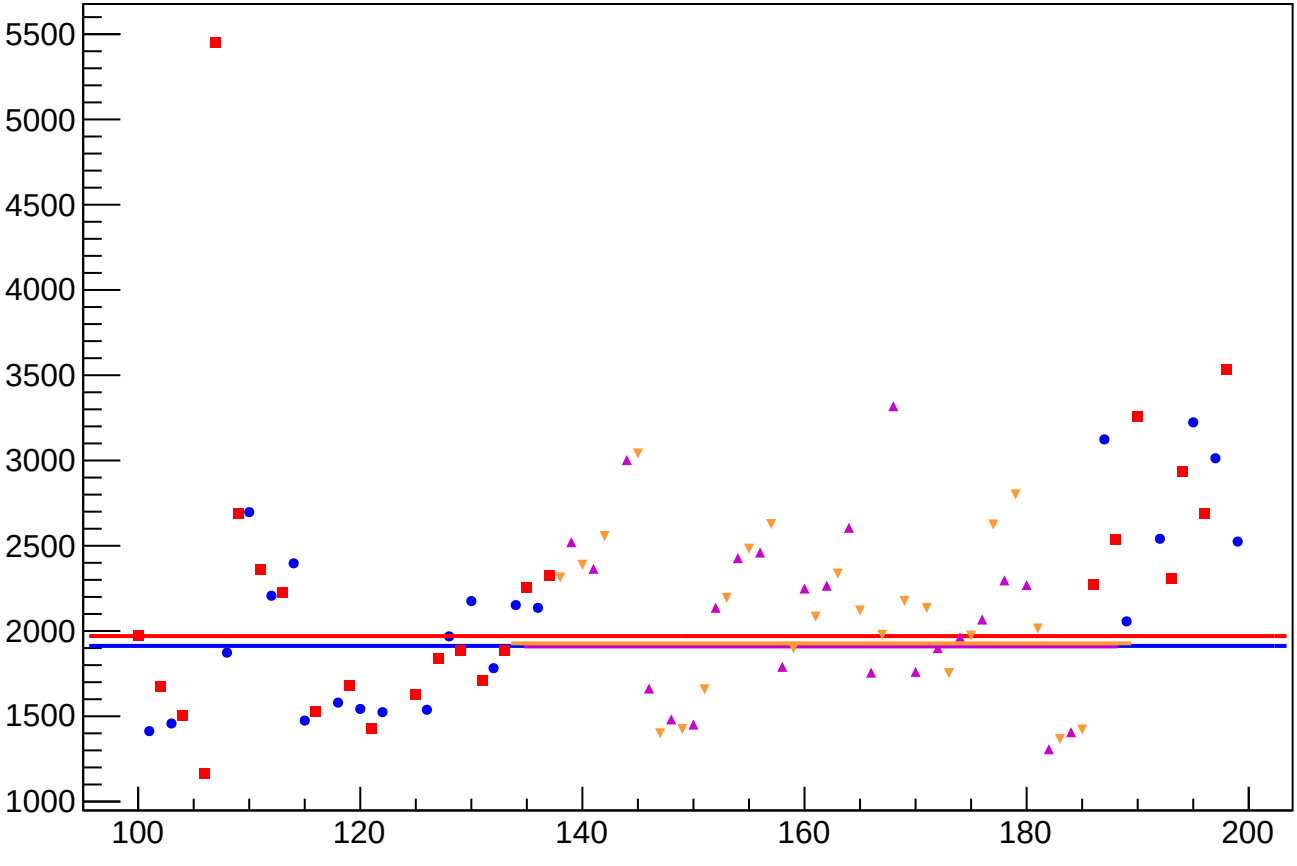
Right: -519.016+/-417.035 χ^2/NDF: 49.4/46

In: -22.596+/-362.342 χ^2/NDF:37.5/44

Out: -700.631+/-364.598 χ^2/NDF:54.7/48

All: -359.509+/-257.008 χ^2/NDF: 94.0/93

asym_us_avg_at1lr_avg_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1912.716+/-0.415 χ^2/NDF: 1407931.5/21

Left Out: 1927.659+/-0.327 χ^2/NDF:1798407.2/23

Right Out: 1970.379+/-0.419 χ^2/NDF: 1808924.0/24

Left In: 1909.618+/-0.326 χ^2/NDF:1942286.8/22

Left: 1918.605+/-0.231 χ^2/NDF: 3742222.0/46

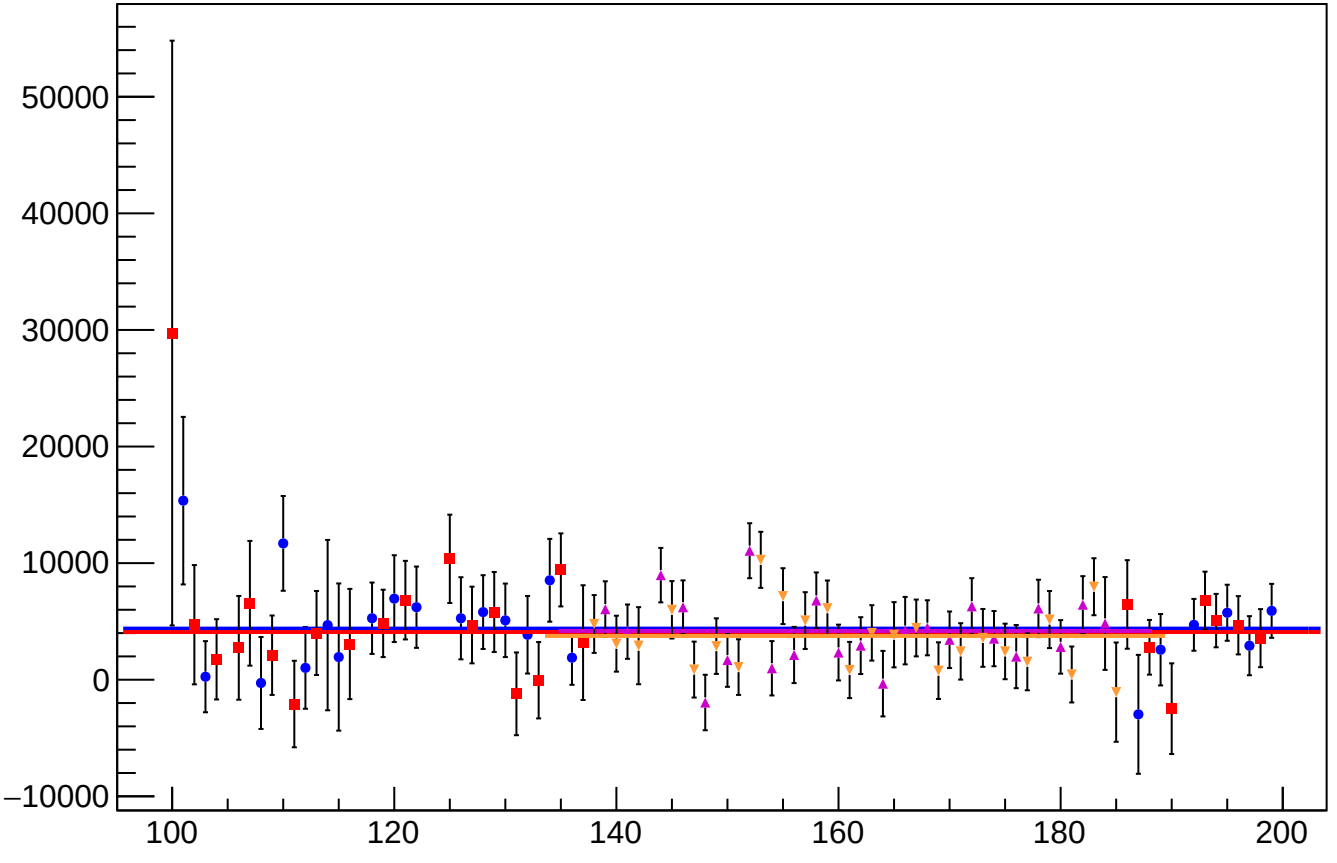
Right: 1941.251+/-0.295 χ^2/NDF: 3226413.9/46

In: 1910.799+/-0.256 χ^2/NDF:3350252.8/44

Out: 1943.817+/-0.258 χ^2/NDF:3613788.7/48

All: 1927.206+/-0.182 χ^2/NDF: 6972293.6/93

dit_asym_us_avg_at1lr_avg_avg_mean vs Slug, Sign Corrected



Right In: 4383.639+/-684.147 χ^2/NDF: 17.1/21

Left Out: 3754.065+/-508.568 χ^2/NDF:25.7/23

Right Out: 4092.011+/-666.391 χ^2/NDF: 20.5/24

Left In: 4184.214+/-511.864 χ^2/NDF:32.7/22

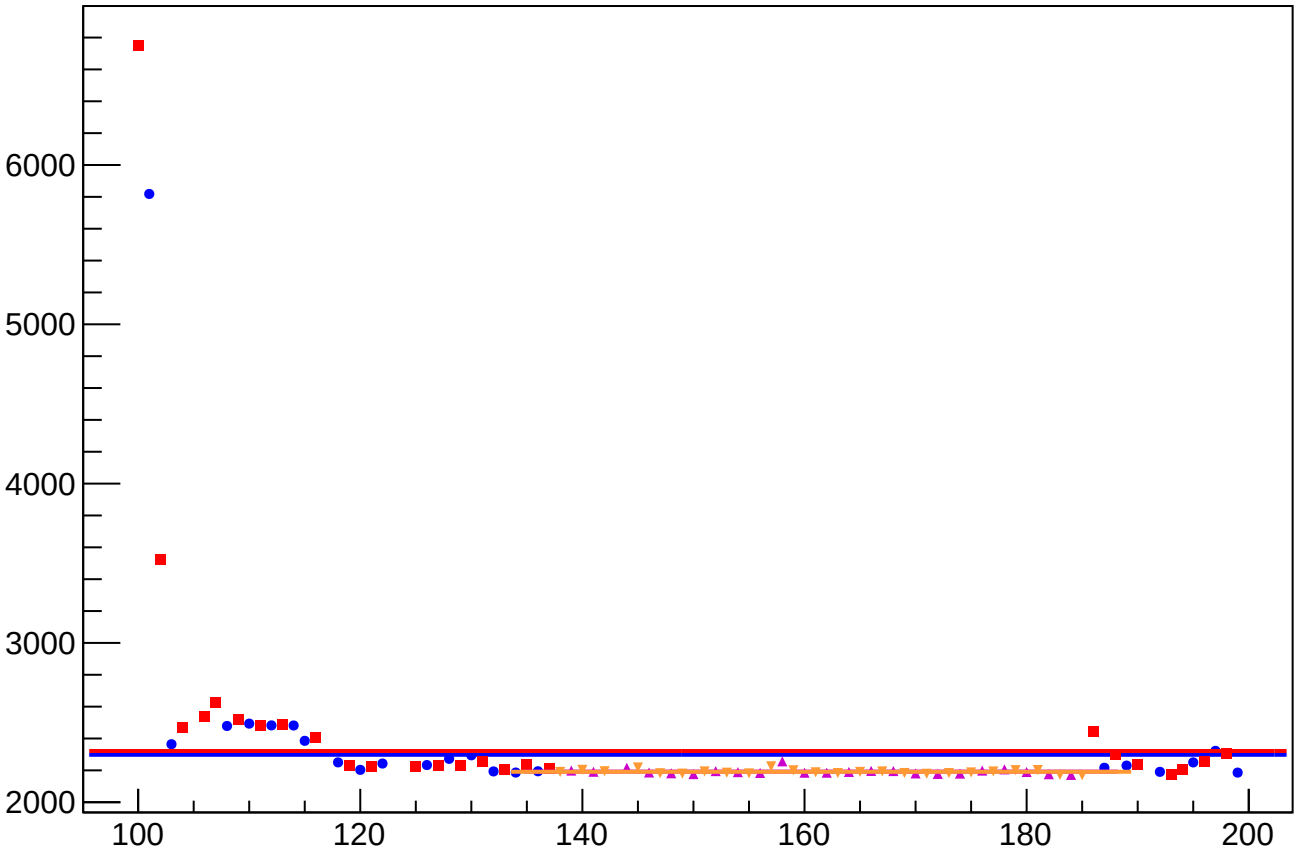
Left: 3967.750+/-360.772 χ^2/NDF: 58.7/46

Right: 4233.992+/-477.363 χ^2/NDF: 37.7/46

In: 4255.783+/-409.849 χ^2/NDF:49.8/44

Out: 3878.449+/-404.285 χ^2/NDF:46.3/48

All: 4064.538+/-287.820 χ^2/NDF: 96.6/93



Right In: 2297.836+/-0.484 χ^2/NDF: 519843.6/21

Left Out: 2191.147+/-0.360 χ^2/NDF:1228.9/23

Right Out: 2321.669+/-0.471 χ^2/NDF: 232701.0/24

Left In: 2192.201+/-0.362 χ^2/NDF:2281.8/22

Left: 2191.670+/-0.255 χ^2/NDF: 3515.0/46

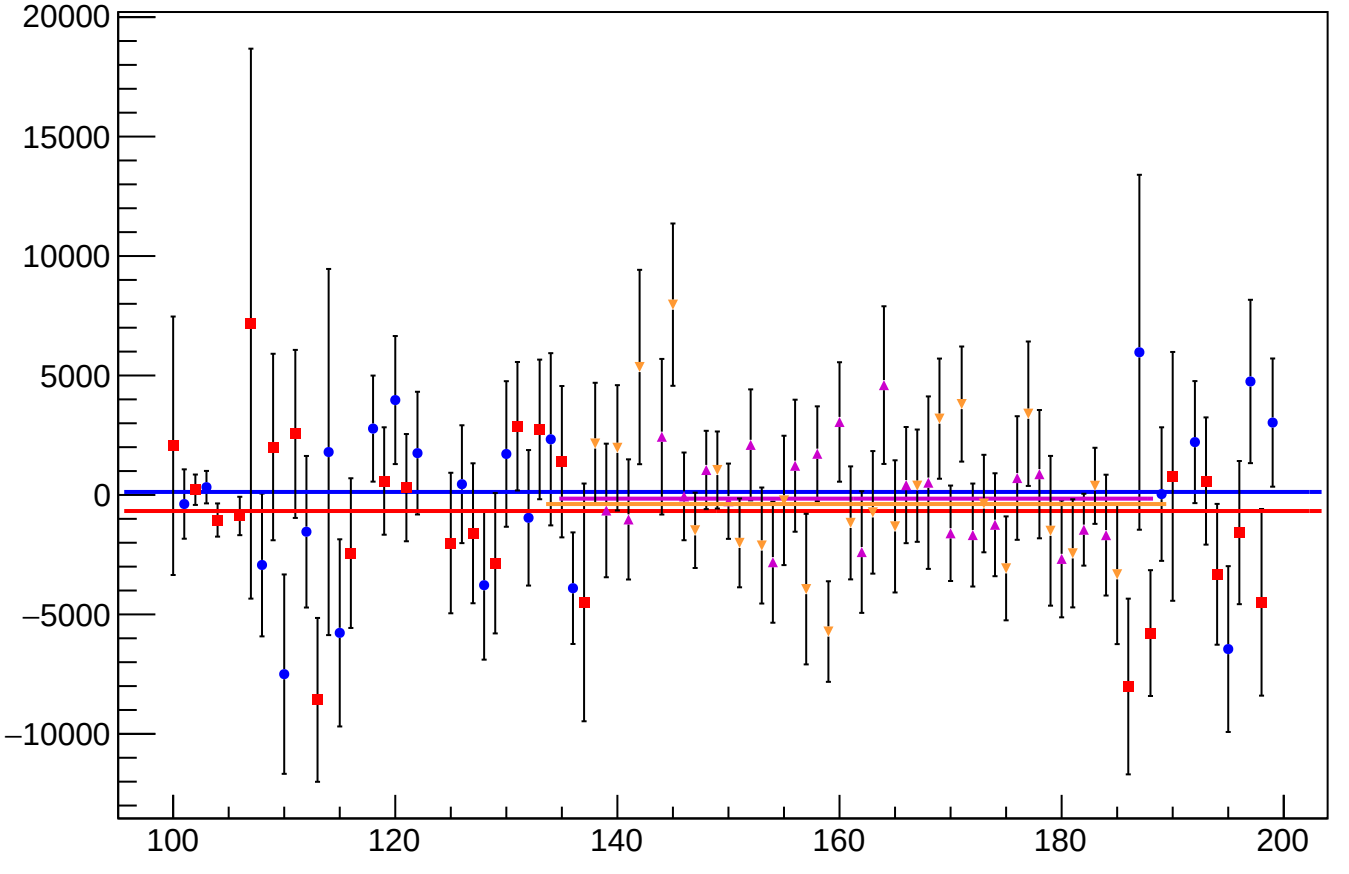
Right: 2310.066+/-0.338 χ^2/NDF: 753790.1/46

In: 2230.111+/-0.290 χ^2/NDF:552694.9/44

Out: 2239.187+/-0.286 χ^2/NDF:282416.4/48

All: 2234.711+/-0.204 χ^2/NDF: 835608.3/93

asym_us_avg_at1lr_avg_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: 125.789+/-453.962 χ^2/NDF: 24.3/21

Left Out: -380.488+/-471.481 χ^2/NDF:30.8/23

Right Out: -672.461+/-347.205 χ^2/NDF: 25.4/24

Left In: -154.512+/-467.999 χ^2/NDF:12.8/22

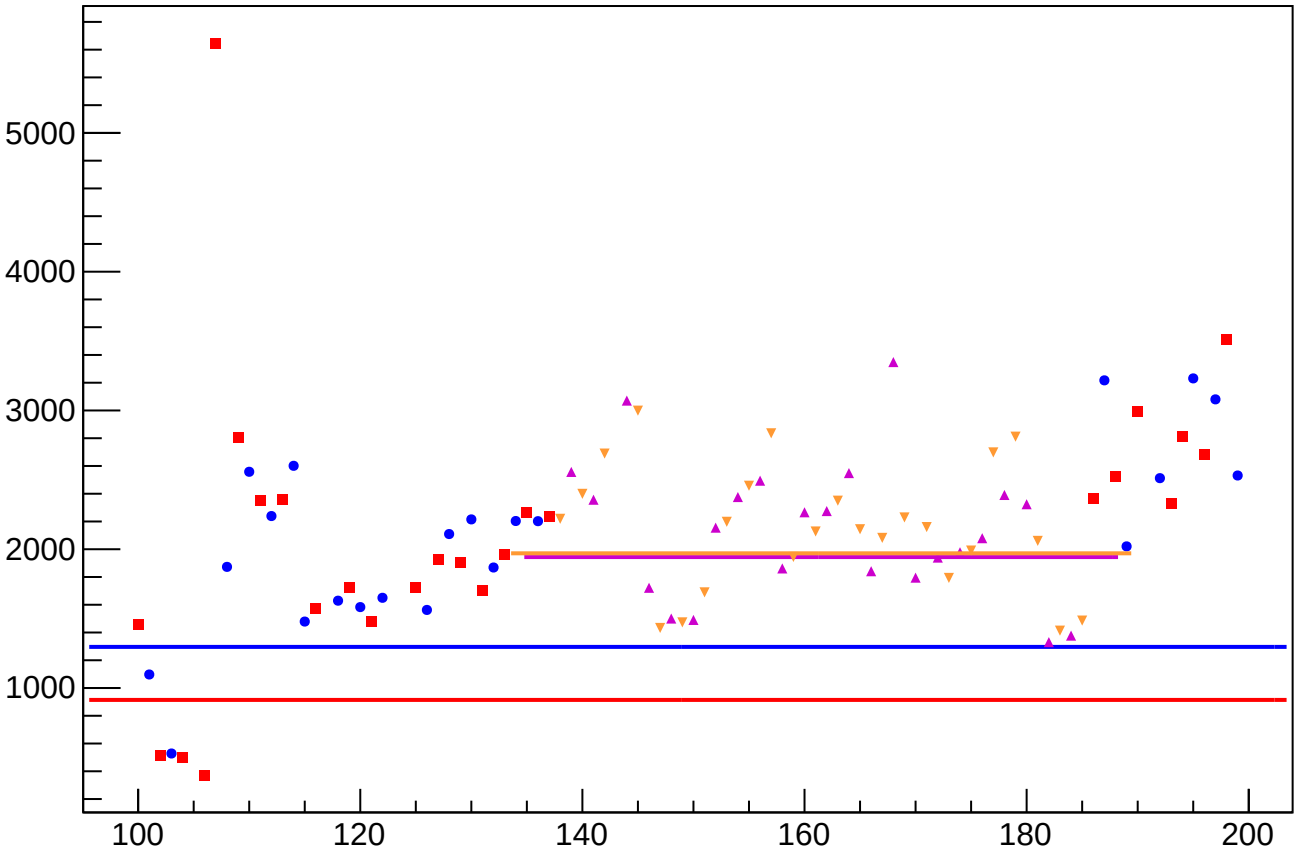
Left: -266.662+/-332.150 χ^2/NDF: 43.7/46

Right: -377.848+/-275.788 χ^2/NDF: 51.6/46

In: -10.095+/-325.849 χ^2/NDF:37.3/44

Out: -569.797+/-279.577 χ^2/NDF:56.4/48

All: -332.475+/-212.181 χ^2/NDF: 95.4/93



Right In: 1296.296+/-0.321 χ^2/NDF: 6358528.7/21

Left Out: 1970.655+/-0.333 χ^2/NDF:1696659.6/23

Right Out: 914.195+/-0.246 χ^2/NDF: 10325381.1/24

Left In: 1943.628+/-0.331 χ^2/NDF:1882933.7/22

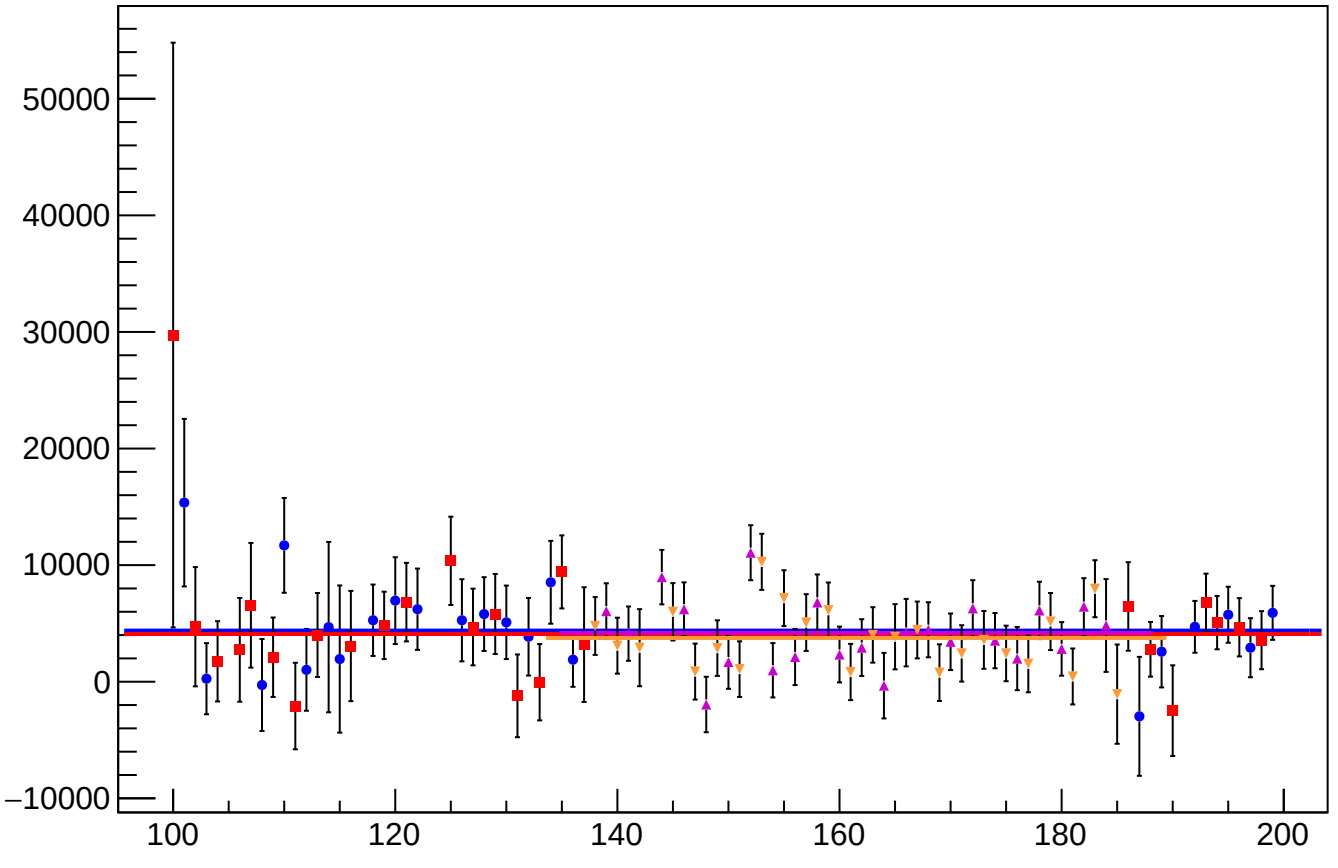
Left: 1957.041+/-0.235 χ^2/NDF: 3582903.8/46

Right: 1055.218+/-0.195 χ^2/NDF: 17577884.9/46

In: 1610.108+/-0.230 χ^2/NDF:10212922.4/44

Out: 1285.668+/-0.198 χ^2/NDF:18532887.9/48

All: 1423.235+/-0.150 χ^2/NDF: 29887839.9/9



Right In: 4383.636+/-684.147 χ^2/NDF: 17.1/21

Left Out: 3754.064+/-508.568 χ^2/NDF:25.7/23

Right Out: 4092.007+/-666.390 χ^2/NDF: 20.5/24

Left In: 4184.214+/-511.864 χ^2/NDF:32.7/22

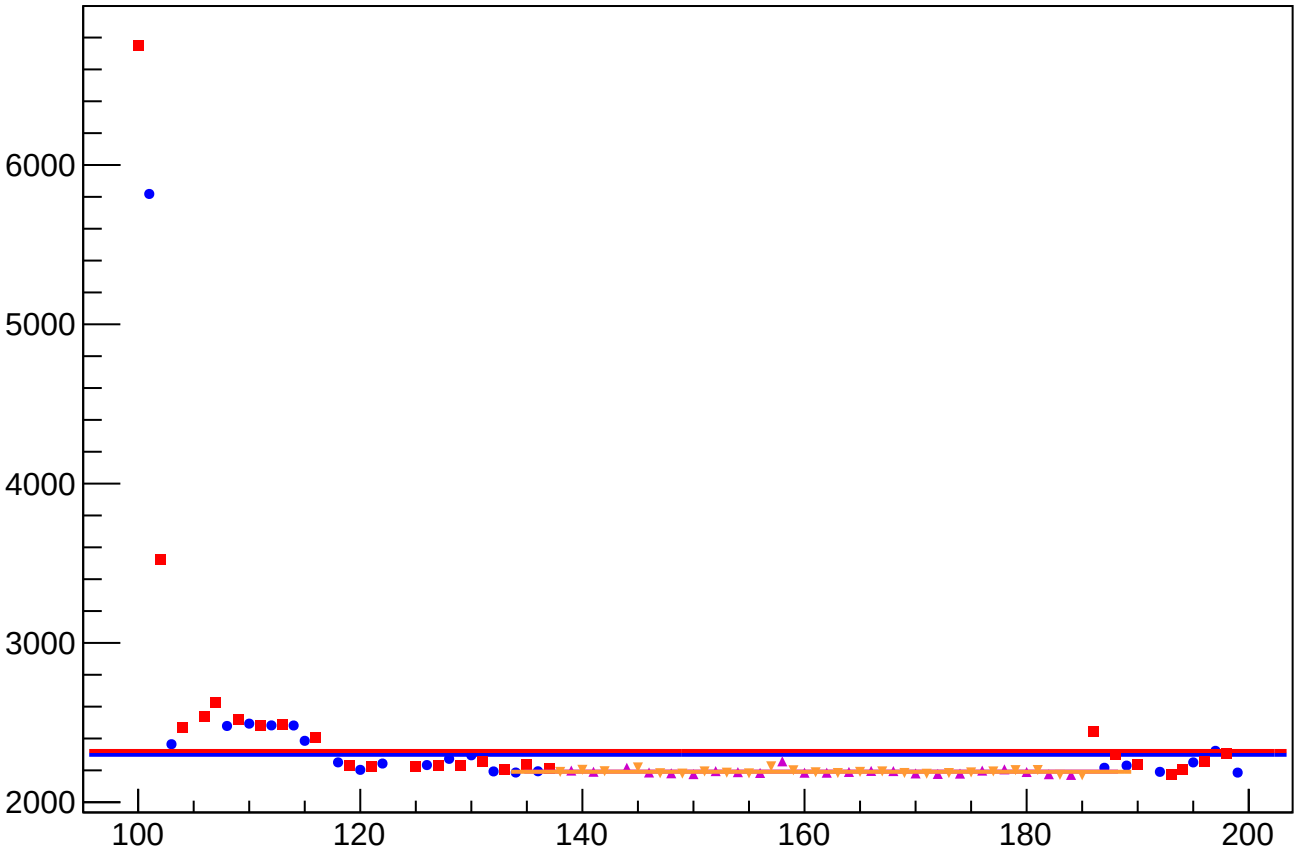
Left: 3967.750+/-360.772 χ^2/NDF: 58.7/46

Right: 4233.988+/-477.363 χ^2/NDF: 37.7/46

In: 4255.783+/-409.849 χ^2/NDF:49.8/44

Out: 3878.447+/-404.285 χ^2/NDF:46.3/48

All: 4064.536+/-287.820 χ^2/NDF: 96.6/93



Right In: 2297.836+/-0.484 χ^2/NDF: 519843.5/21

Left Out: 2191.147+/-0.360 χ^2/NDF:1228.9/23

Right Out: 2321.669+/-0.471 χ^2/NDF: 232699.9/24

Left In: 2192.201+/-0.362 χ^2/NDF:2281.8/22

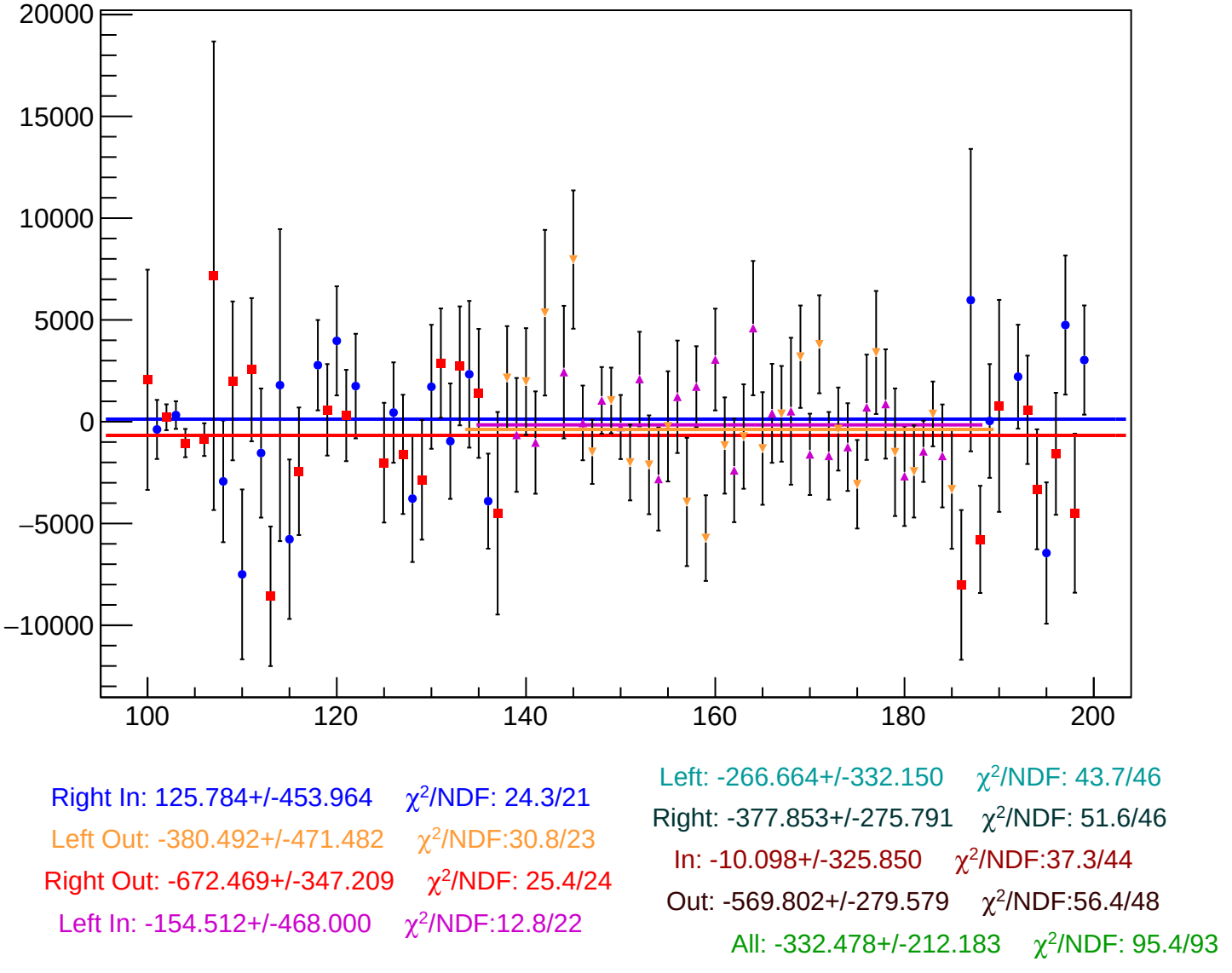
Left: 2191.670+/-0.255 χ^2/NDF: 3515.0/46

Right: 2310.066+/-0.338 χ^2/NDF: 753788.8/46

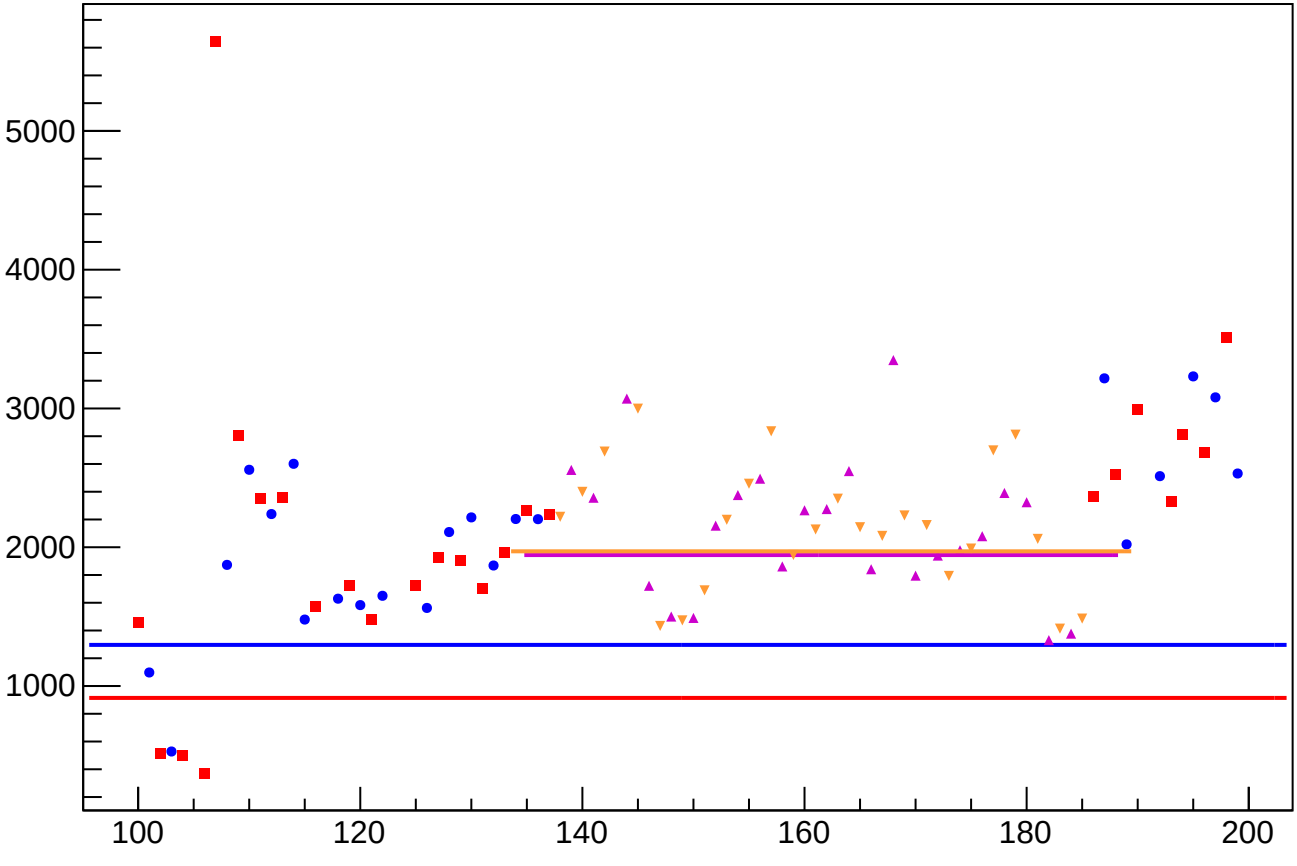
In: 2230.111+/-0.290 χ^2/NDF:552694.6/44

Out: 2239.187+/-0.286 χ^2/NDF:282415.0/48

All: 2234.711+/-0.204 χ^2/NDF: 835606.7/93


asym_us_avg_at1lr_avg_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
100
120
140
160
180
200
Right In: 125.784+/-453.964 χ²/NDF: 24.3/21
Left Out: -380.492+/-471.482 χ²/NDF:30.8/23
Right Out: -672.469+/-347.209 χ²/NDF: 25.4/24
Left In: -154.512+/-468.000 χ²/NDF:12.8/22
Left: -266.664+/-332.150 χ²/NDF: 43.7/46
Right: -377.853+/-275.791 χ²/NDF: 51.6/46
In: -10.098+/-325.850 χ²/NDF:37.3/44
Out: -569.802+/-279.579 χ²/NDF:56.4/48
All: -332.478+/-212.183 χ²/NDF: 95.4/93

asym_us_avg_at1lr_avg_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1296.306+/-0.321 χ^2/NDF: 6358423.8/21

Left Out: 1970.659+/-0.333 χ^2/NDF:1696658.8/23

Right Out: 914.213+/-0.246 χ^2/NDF: 10325186.0/24

Left In: 1943.631+/-0.331 χ^2/NDF:1882931.8/22

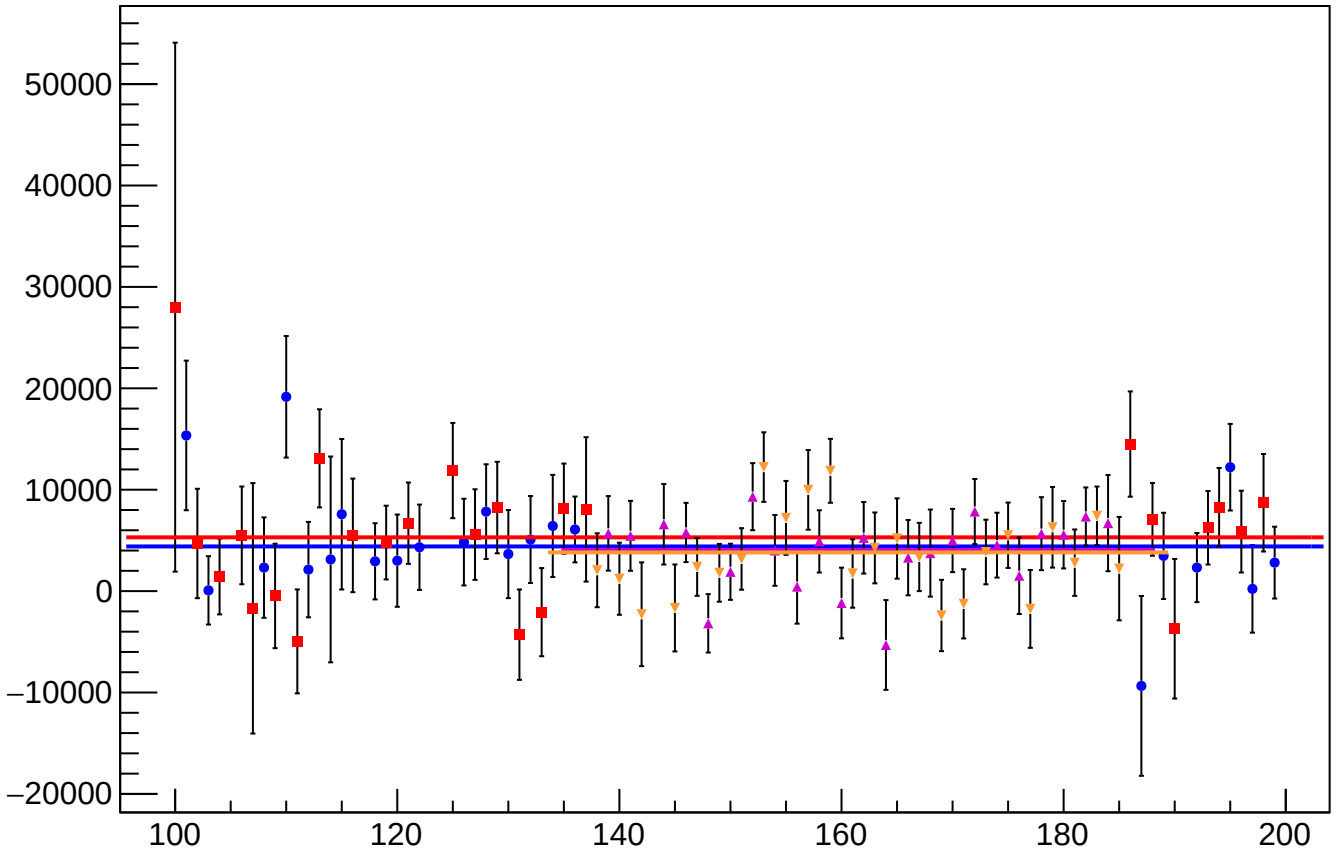
Left: 1957.045+/-0.235 χ^2/NDF: 3582901.0/46

Right: 1055.235+/-0.195 χ^2/NDF: 17577538.1/46

In: 1610.116+/-0.230 χ^2/NDF:10212761.8/44

Out: 1285.686+/-0.198 χ^2/NDF:18532449.7/48

All: 1423.250+/-0.150 χ^2/NDF: 29887161.3/9



Right In: 4404.271+/-949.847 χ^2/NDF: 19.1/21

Left Out: 3817.837+/-708.312 χ^2/NDF:30.9/23

Right Out: 5302.097+/-933.660 χ^2/NDF: 26.9/24

Left In: 4042.422+/-709.573 χ^2/NDF:22.5/22

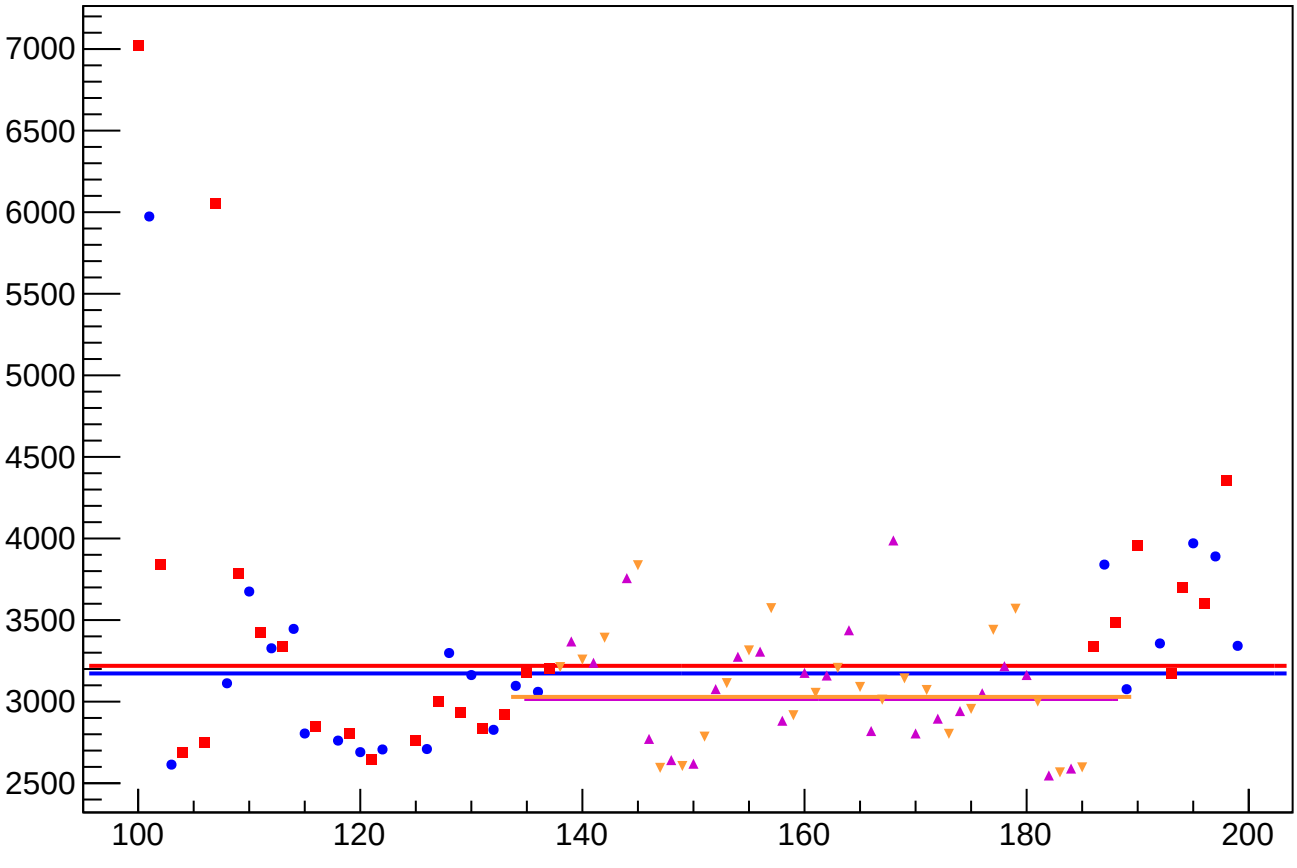
Left: 3929.930+/-501.297 χ^2/NDF: 53.4/46

Right: 4860.900+/-665.846 χ^2/NDF: 46.5/46

In: 4172.029+/-568.465 χ^2/NDF:41.7/44

Out: 4360.030+/-564.301 χ^2/NDF:59.4/48

All: 4266.720+/-400.485 χ^2/NDF: 101.2/93



Right In: 3172.768+/-0.672 χ^2/NDF: 625721.7/21

Left Out: 3028.983+/-0.501 χ^2/NDF:397111.2/23

Right Out: 3219.436+/-0.660 χ^2/NDF: 590803.6/24

Left In: 3016.252+/-0.502 χ^2/NDF:439897.8/22

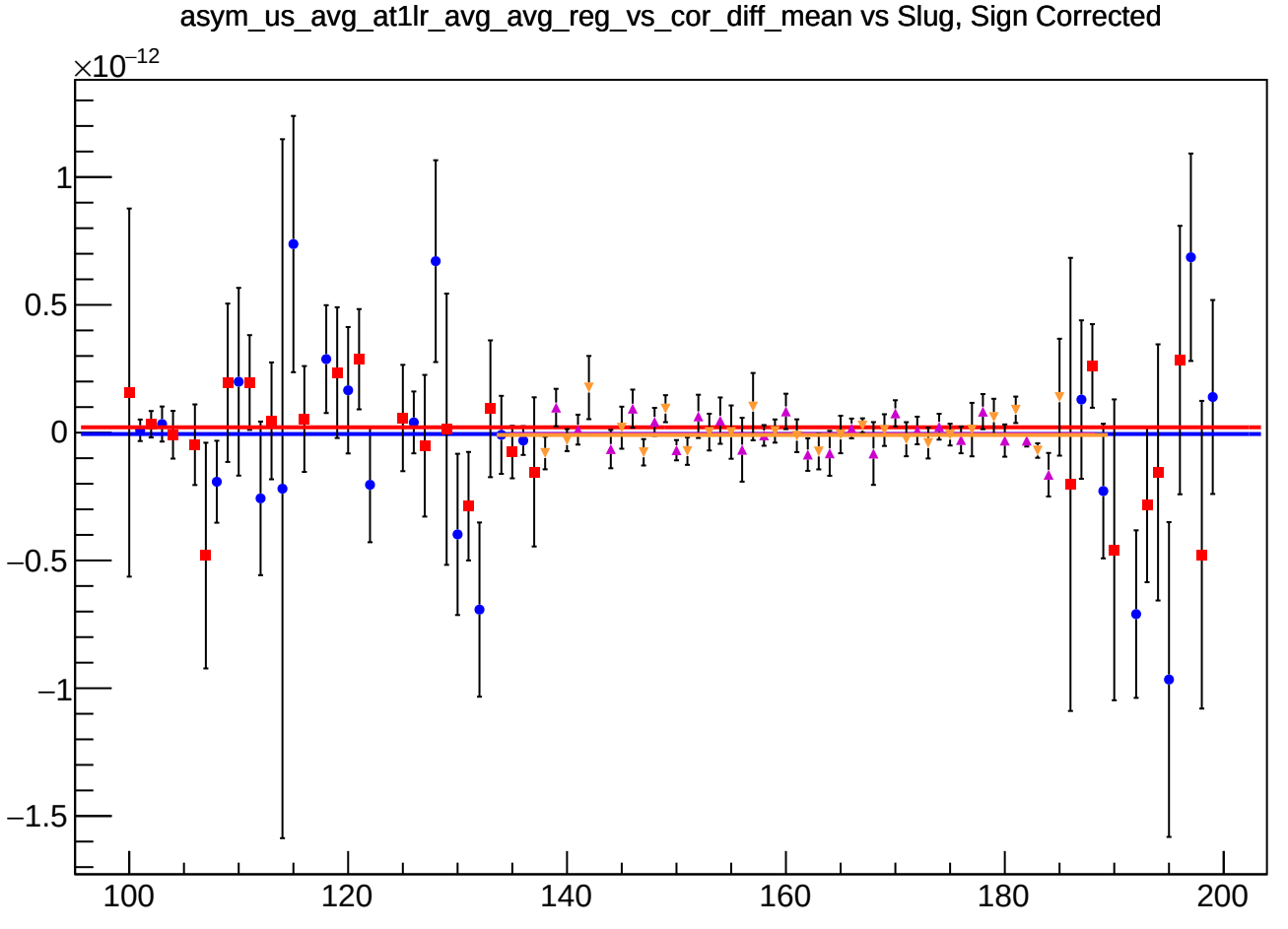
Left: 3022.629+/-0.354 χ^2/NDF: 837331.5/46

Right: 3196.503+/-0.471 χ^2/NDF: 1218980.9/46

In: 3072.312+/-0.402 χ^2/NDF:1100473.6/44

Out: 3098.555+/-0.399 χ^2/NDF:1040735.5/48

All: 3085.530+/-0.283 χ^2/NDF: 2143355.9/93



Right In: -0.000+/-0.000 χ^2/NDF: 28.1/21

Left Out: -0.000+/-0.000 χ^2/NDF:24.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 13.9/24

Left In: -0.000+/-0.000 χ^2/NDF:23.3/22

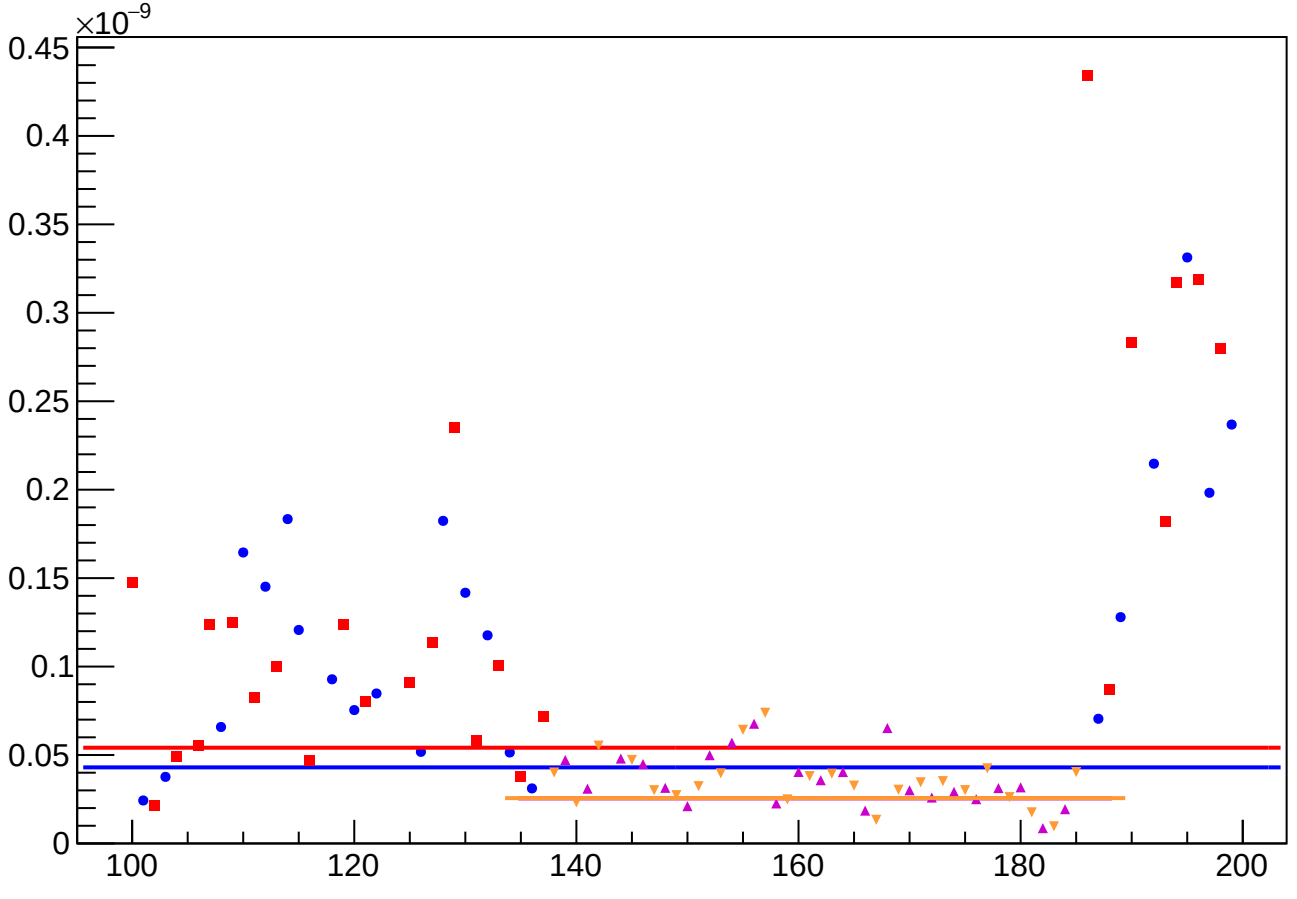
Left: -0.000+/-0.000 χ^2/NDF: 47.5/46

Right: 0.000+/-0.000 χ^2/NDF: 42.5/46

In: -0.000+/-0.000 χ^2/NDF:51.4/44

Out: -0.000+/-0.000 χ^2/NDF:38.9/48

All: -0.000+/-0.000 χ^2/NDF: 90.3/93



Right In: 0.000+/-0.000 χ^2/NDF: 3852604.2/21

Left Out: 0.000+/-0.000 χ^2/NDF:2439953.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 4245698.9/24

Left In: 0.000+/-0.000 χ^2/NDF:2808054.6/22

Left: 0.000+/-0.000 χ^2/NDF: 5248211.8/46

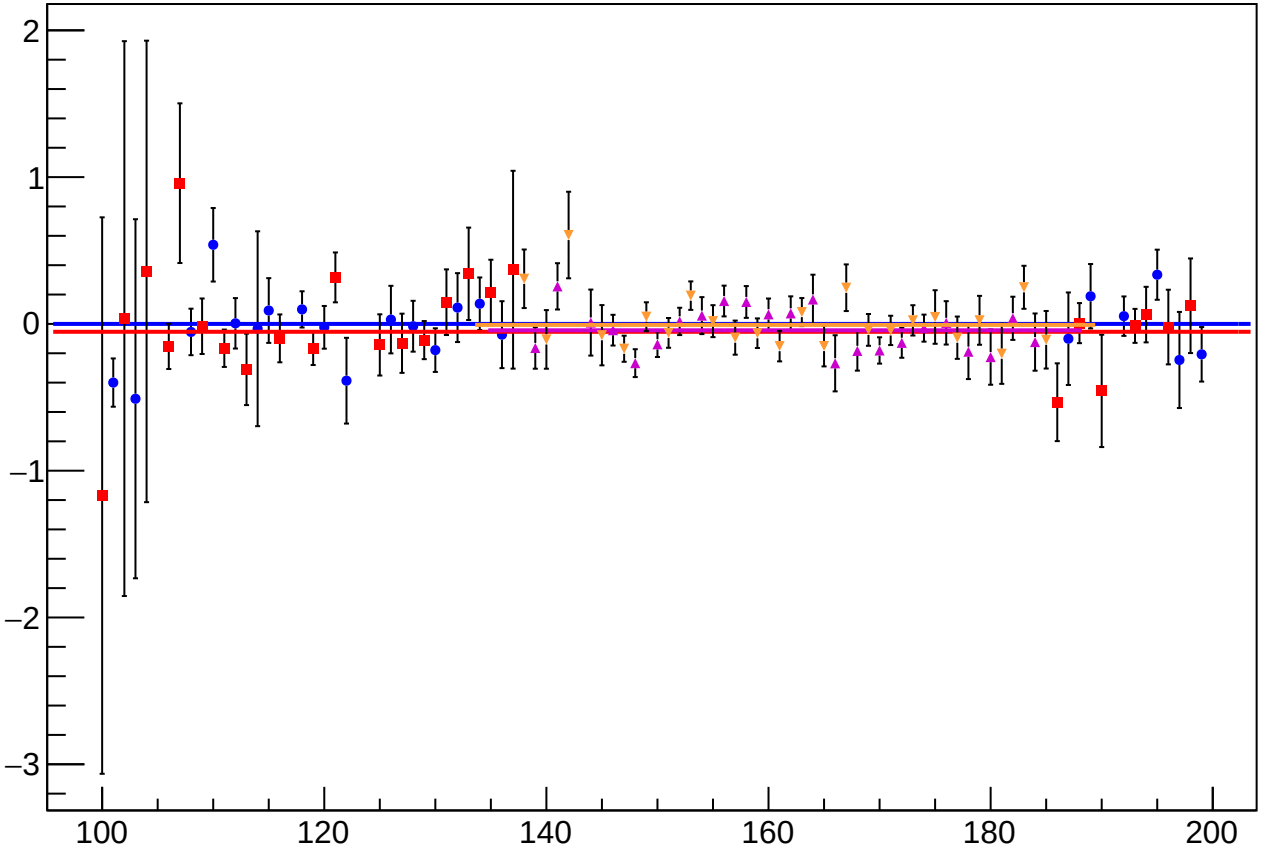
Right: 0.000+/-0.000 χ^2/NDF: 8233890.3/46

In: 0.000+/-0.000 χ^2/NDF:7393005.5/44

Out: 0.000+/-0.000 χ^2/NDF:8003526.5/48

All: 0.000+/-0.000 χ^2/NDF: 15398270.7/93

asym_us_avg_at1lr_avg_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.041 χ^2/NDF: 22.5/21

Left Out: -0.007+/-0.025 χ^2/NDF:27.7/23

Right Out: -0.054+/-0.039 χ^2/NDF: 22.2/24

Left In: -0.044+/-0.025 χ^2/NDF:30.3/22

Left: -0.025+/-0.018 χ^2/NDF: 59.0/46

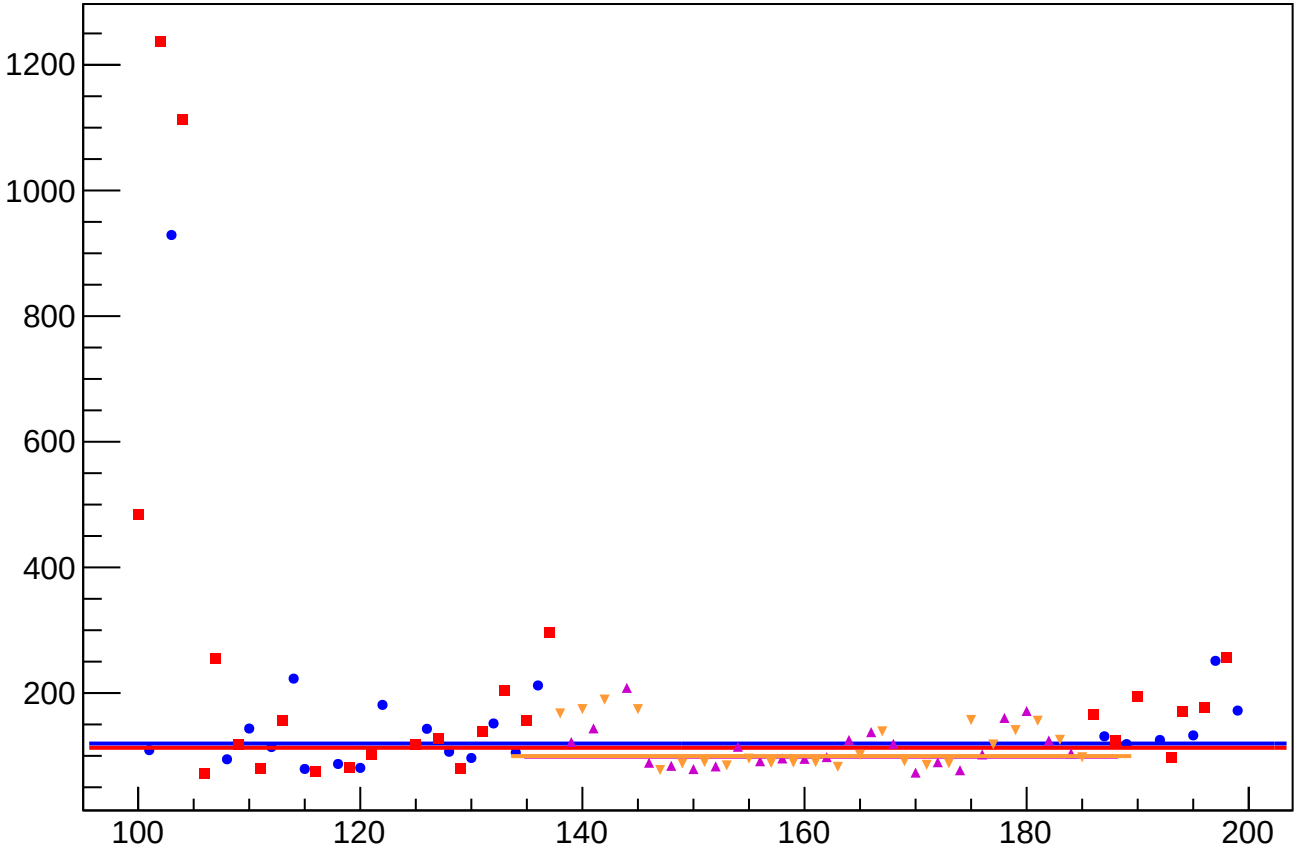
Right: -0.028+/-0.028 χ^2/NDF: 45.6/46

In: -0.032+/-0.021 χ^2/NDF:53.5/44

Out: -0.021+/-0.021 χ^2/NDF:51.0/48

All: -0.026+/-0.015 χ^2/NDF: 104.7/93

asym_us_avg_at1lr_avg_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 119.601+/-0.029 χ^2/NDF: 2399795.5/21

Left Out: 99.590+/-0.018 χ^2/NDF:2070986.6/23

Right Out: 112.855+/-0.027 χ^2/NDF: 3856034.0/24

Left In: 98.669+/-0.018 χ^2/NDF:2003365.1/22

Left: 99.125+/-0.013 χ^2/NDF: 4075687.1/46

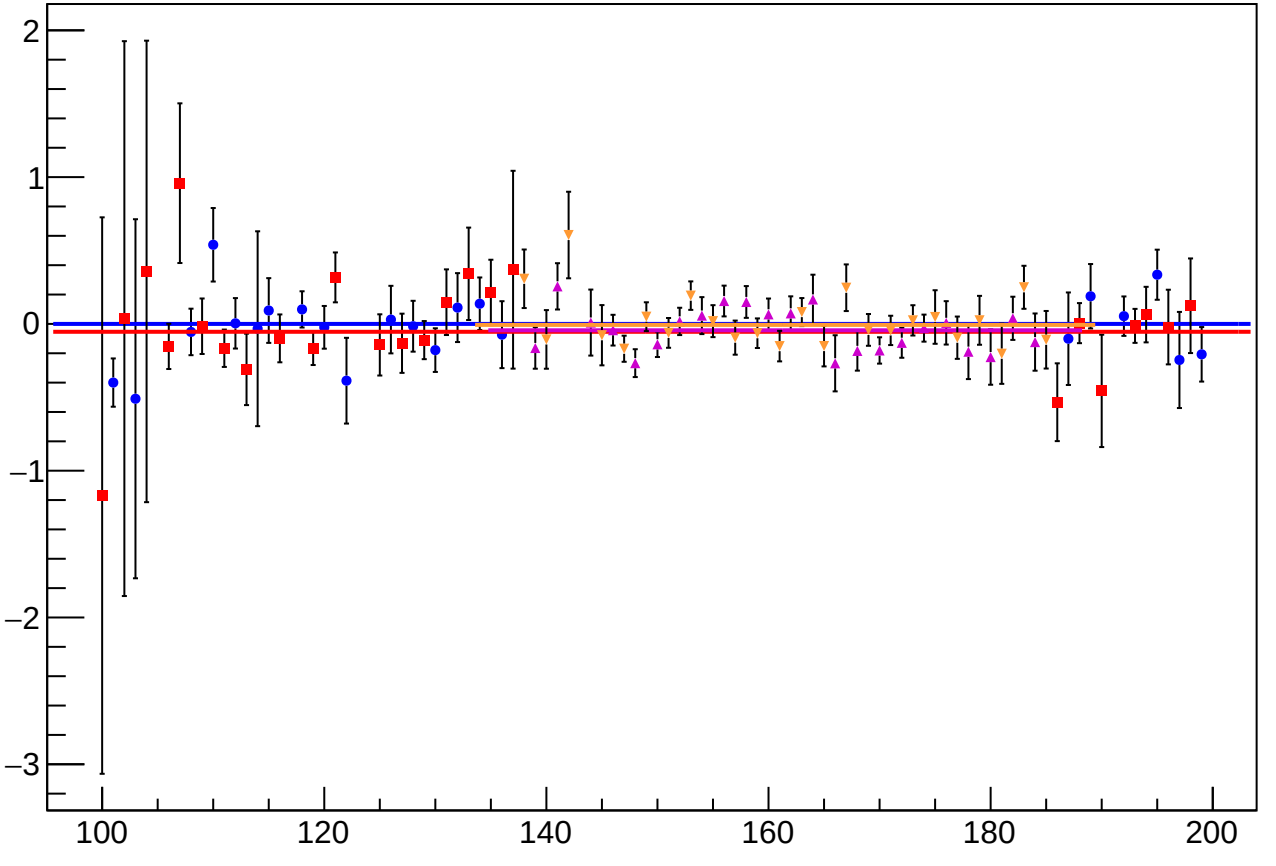
Right: 116.050+/-0.020 χ^2/NDF: 6284567.7/46

In: 104.397+/-0.015 χ^2/NDF:4784940.5/44

Out: 103.563+/-0.015 χ^2/NDF:6091424.8/48

All: 103.976+/-0.011 χ^2/NDF: 10877901.7/93

asym_us_avg_at1lr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.041 χ^2/NDF: 22.5/21

Left Out: -0.007+/-0.025 χ^2/NDF:27.7/23

Right Out: -0.054+/-0.039 χ^2/NDF: 22.2/24

Left In: -0.044+/-0.025 χ^2/NDF:30.3/22

Left: -0.025+/-0.018 χ^2/NDF: 59.0/46

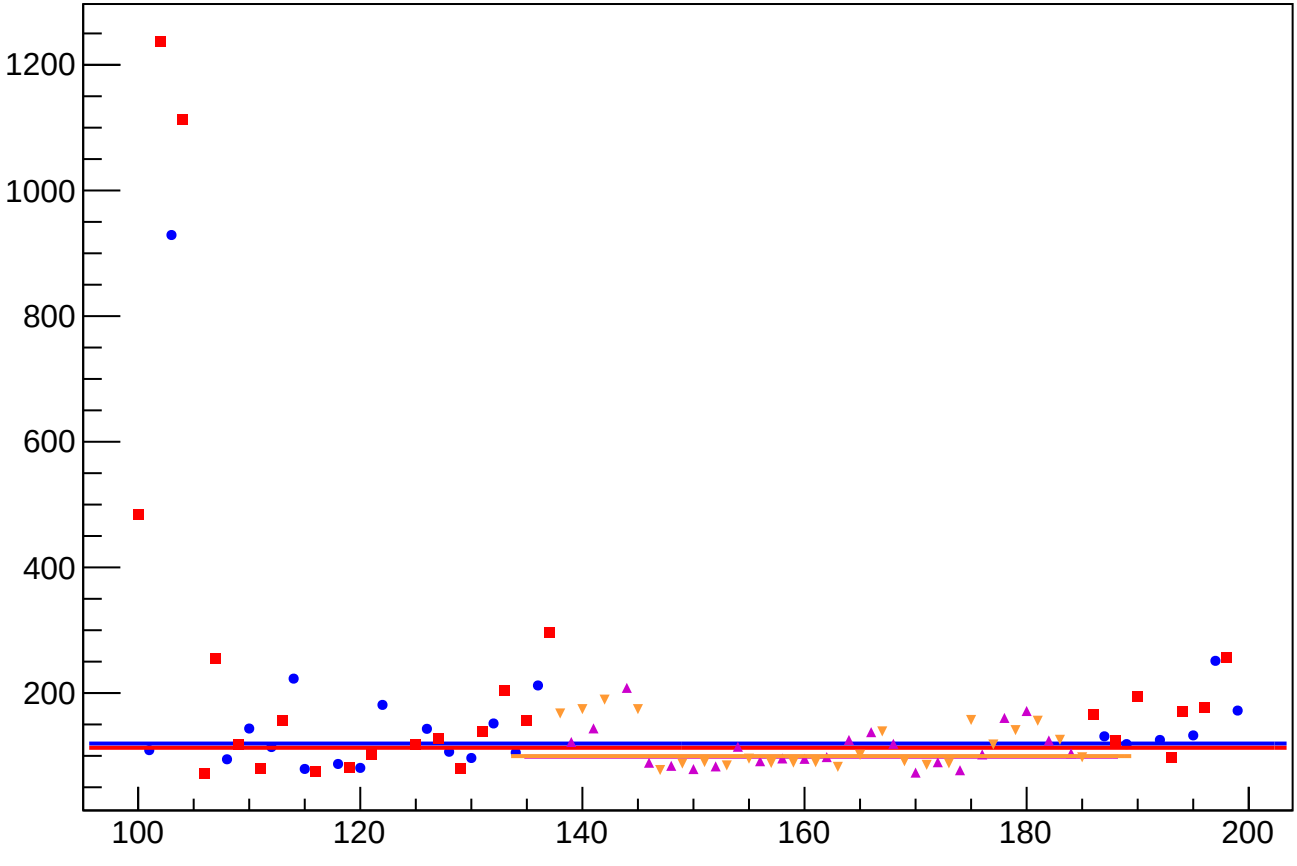
Right: -0.028+/-0.028 χ^2/NDF: 45.6/46

In: -0.032+/-0.021 χ^2/NDF:53.5/44

Out: -0.021+/-0.021 χ^2/NDF:51.0/48

All: -0.026+/-0.015 χ^2/NDF: 104.7/93

asym_us_avg_at1lr_avg_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 119.601+/-0.029 χ^2/NDF: 2399795.5/21

Left Out: 99.590+/-0.018 χ^2/NDF:2070986.6/23

Right Out: 112.855+/-0.027 χ^2/NDF: 3856034.0/24

Left In: 98.669+/-0.018 χ^2/NDF:2003365.1/22

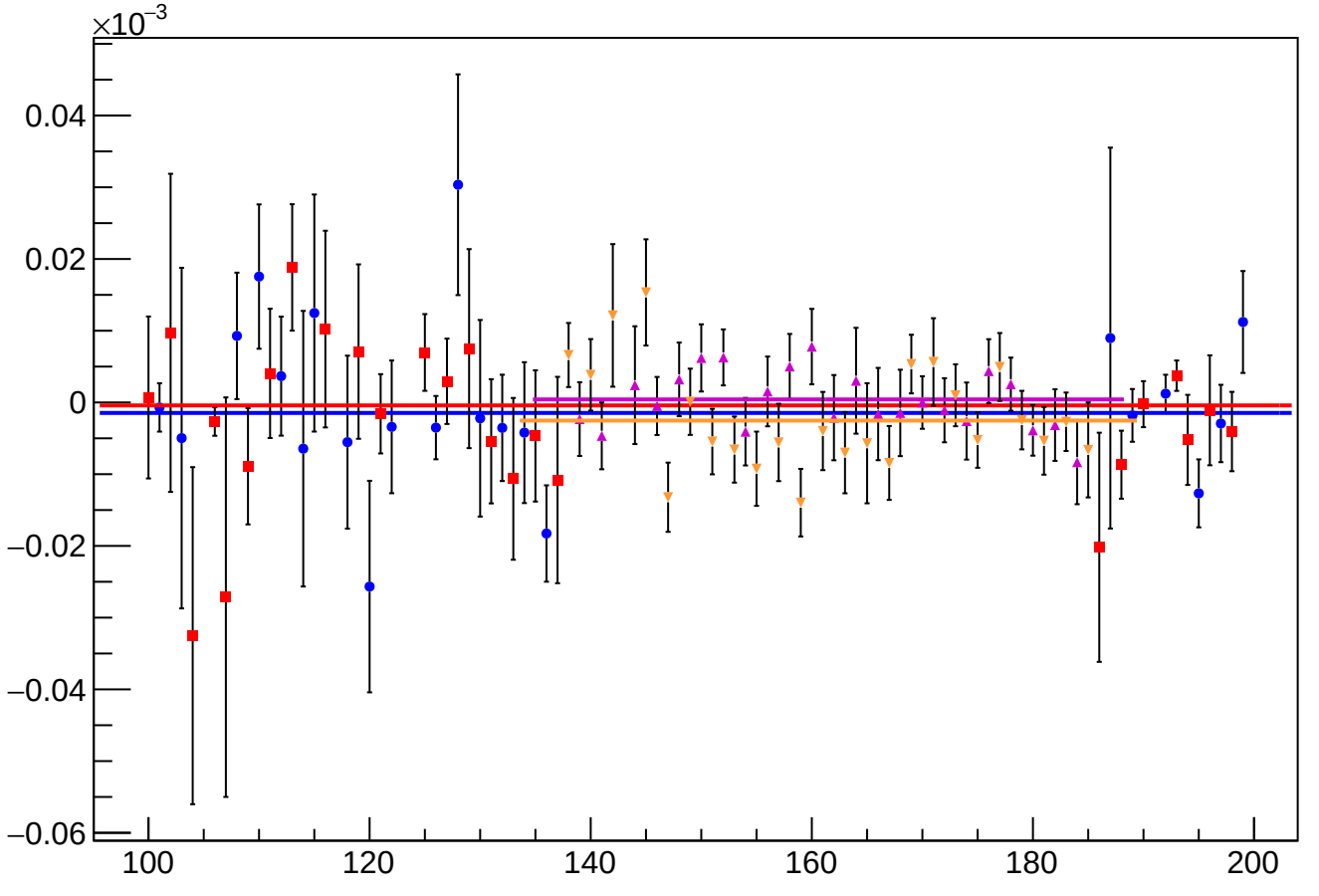
Left: 99.125+/-0.013 χ^2/NDF: 4075687.1/46

Right: 116.050+/-0.020 χ^2/NDF: 6284567.7/46

In: 104.397+/-0.015 χ^2/NDF:4784940.5/44

Out: 103.563+/-0.015 χ^2/NDF:6091424.8/48

All: 103.976+/-0.011 χ^2/NDF: 10877901.7/93



Right In: -0.000+/-0.000 χ^2/NDF: 30.1/21

Left Out: -0.000+/-0.000 χ^2/NDF:40.2/23

Right Out: -0.000+/-0.000 χ^2/NDF: 25.3/24

Left In: 0.000+/-0.000 χ^2/NDF:15.9/22

Left: -0.000+/-0.000 χ^2/NDF: 60.4/46

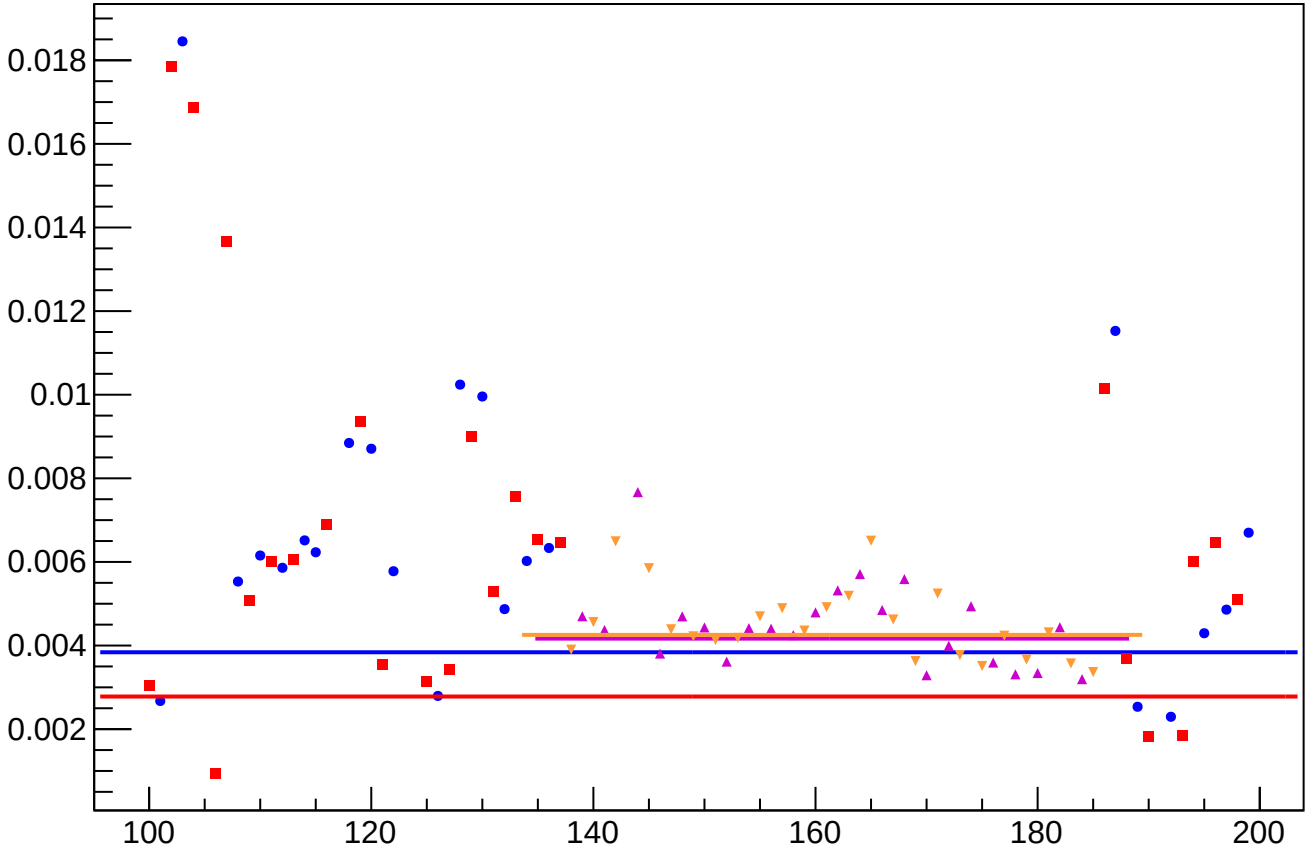
Right: -0.000+/-0.000 χ^2/NDF: 55.8/46

In: -0.000+/-0.000 χ^2/NDF:47.3/44

Out: -0.000+/-0.000 χ^2/NDF:67.5/48

All: -0.000+/-0.000 χ^2/NDF: 116.2/93

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: 4814185.5/21

Left Out: 0.004+/-0.000 χ^2/NDF:833222.5/23

Right Out: 0.003+/-0.000 χ^2/NDF: 9002875.3/24

Left In: 0.004+/-0.000 χ^2/NDF:1277434.2/22

Left: 0.004+/-0.000 χ^2/NDF: 2118625.9/46

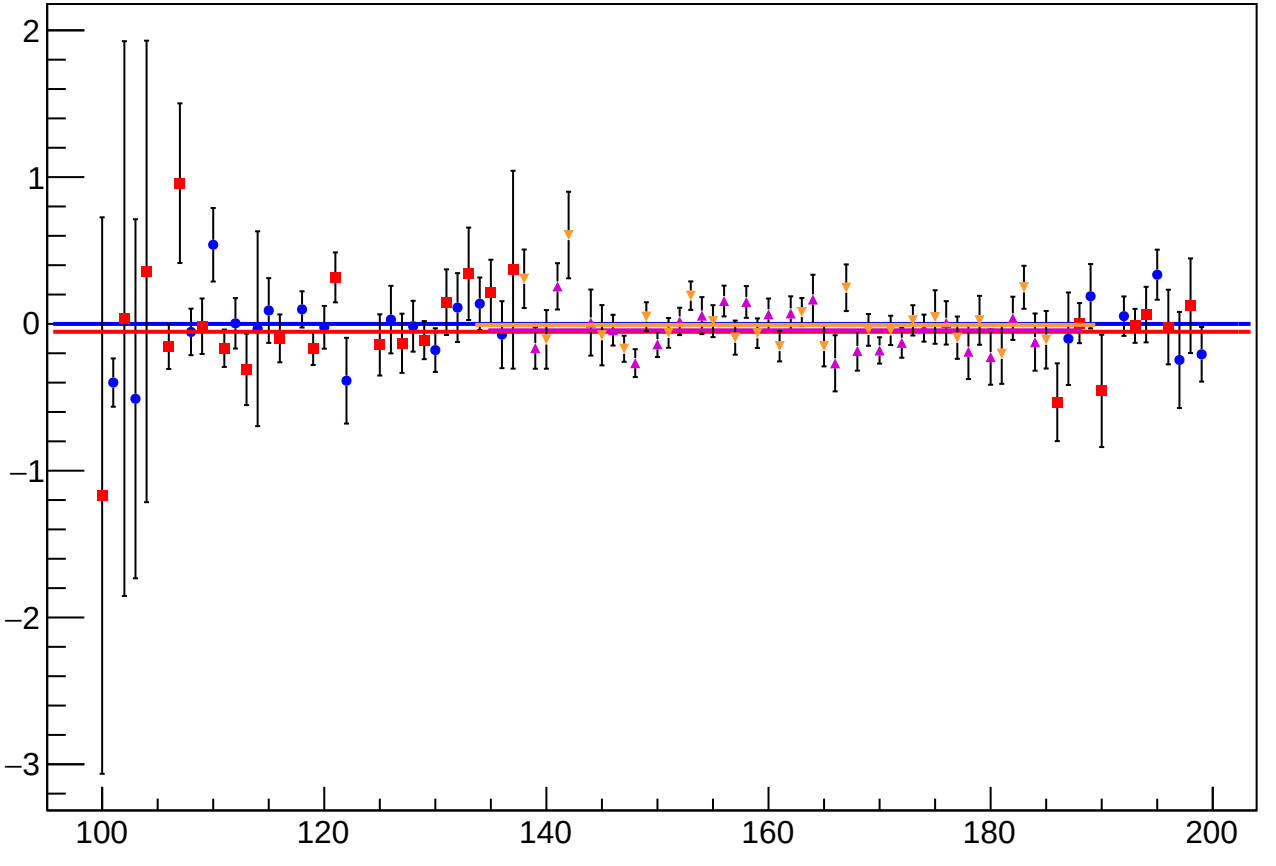
Right: 0.003+/-0.000 χ^2/NDF: 14613190.7/46

In: 0.004+/-0.000 χ^2/NDF:6170757.1/44

Out: 0.004+/-0.000 χ^2/NDF:11874449.5/48

All: 0.004+/-0.000 χ^2/NDF: 18474171.4/93

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.041 χ^2/NDF: 22.5/21

Left Out: -0.007+/-0.025 χ^2/NDF:27.7/23

Right Out: -0.054+/-0.039 χ^2/NDF: 22.2/24

Left In: -0.044+/-0.025 χ^2/NDF:30.3/22

Left: -0.025+/-0.018 χ^2/NDF: 59.0/46

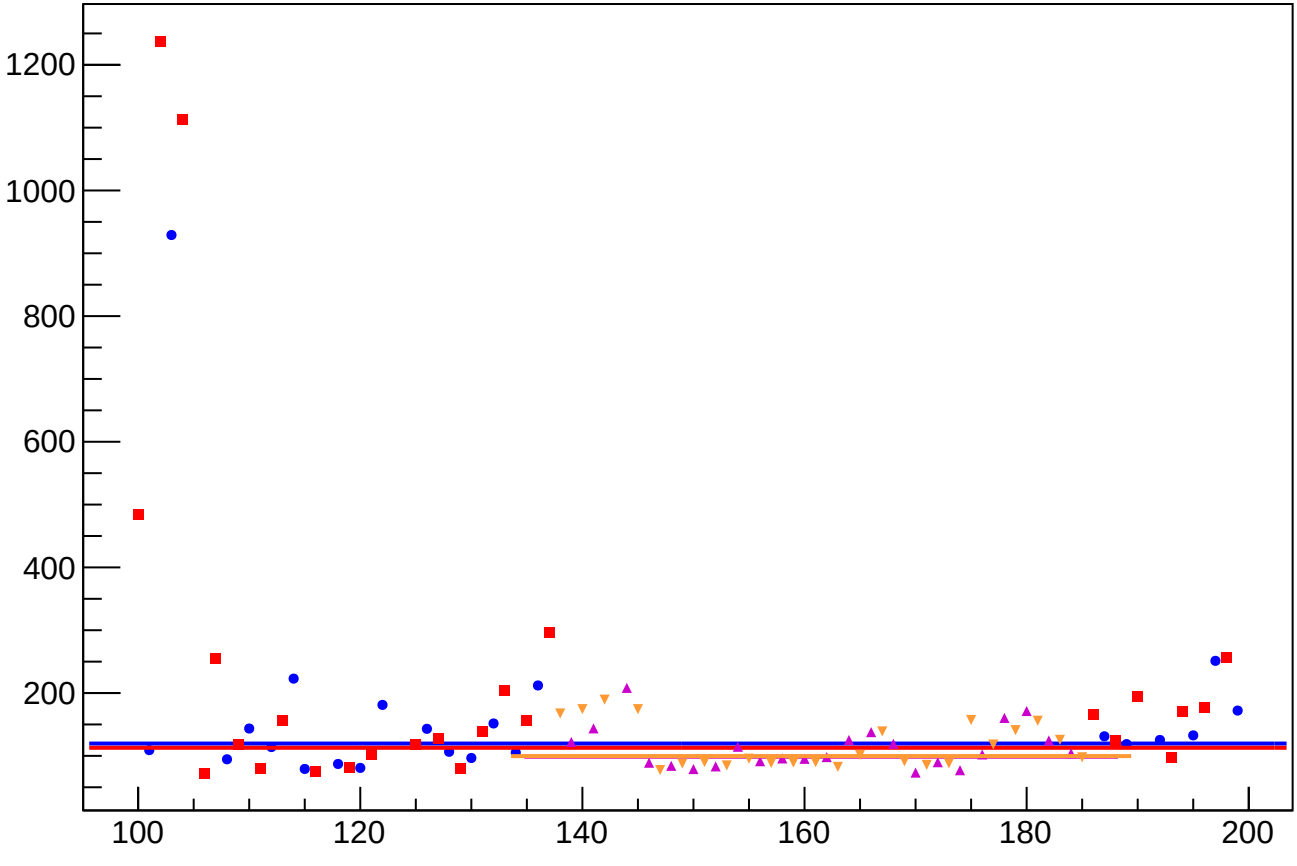
Right: -0.028+/-0.028 χ^2/NDF: 45.6/46

In: -0.032+/-0.021 χ^2/NDF:53.5/44

Out: -0.021+/-0.021 χ^2/NDF:51.0/48

All: -0.026+/-0.015 χ^2/NDF: 104.7/93

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 119.599+/-0.029 χ^2/NDF: 2399882.7/21

Left Out: 99.590+/-0.018 χ^2/NDF:2070951.9/23

Right Out: 112.854+/-0.027 χ^2/NDF: 3856051.9/24

Left In: 98.669+/-0.018 χ^2/NDF:2003332.7/22

Left: 99.125+/-0.013 χ^2/NDF: 4075620.9/46

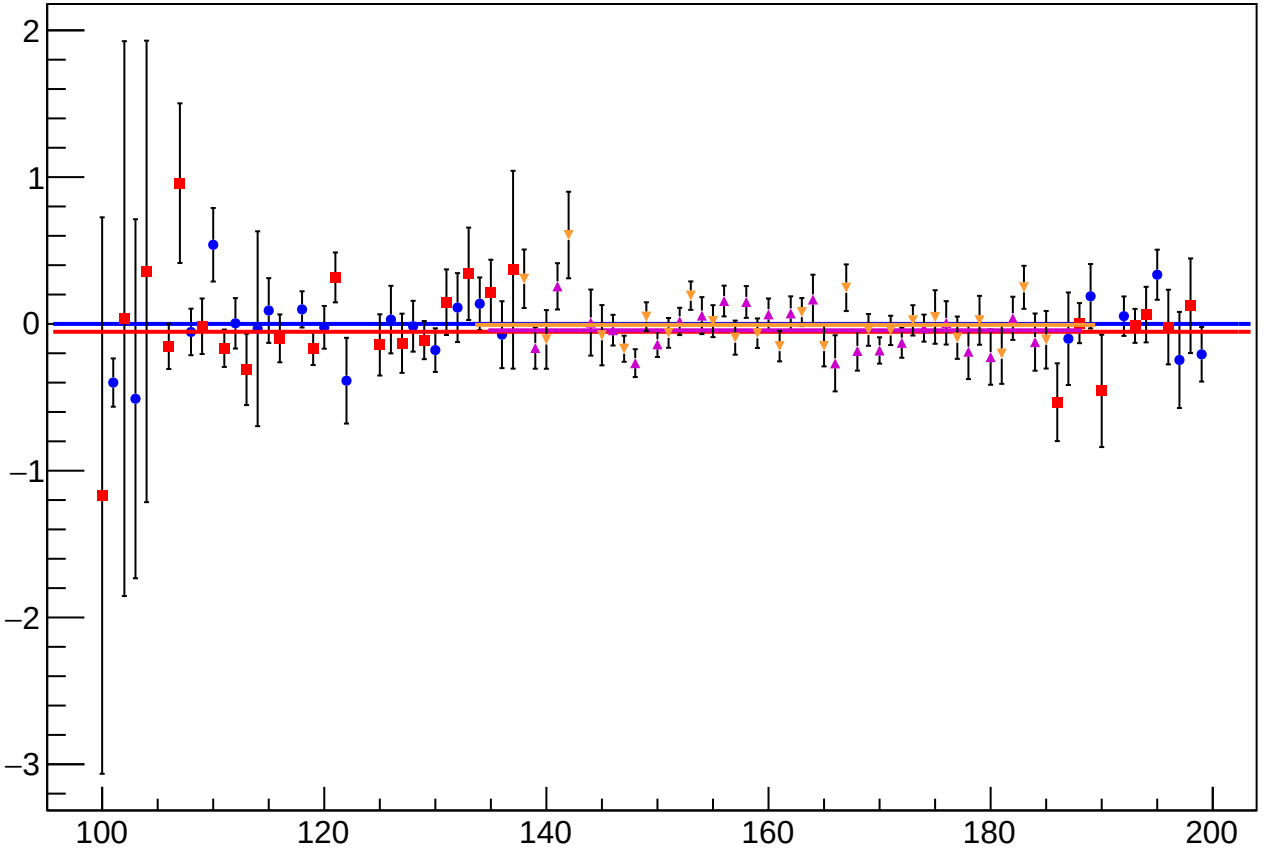
Right: 116.048+/-0.020 χ^2/NDF: 6284665.4/46

In: 104.396+/-0.015 χ^2/NDF:4784909.0/44

Out: 103.563+/-0.015 χ^2/NDF:6091362.7/48

All: 103.976+/-0.011 χ^2/NDF: 10877806.8/93

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.041 χ^2/NDF: 22.5/21

Left Out: -0.007+/-0.025 χ^2/NDF:27.7/23

Right Out: -0.054+/-0.039 χ^2/NDF: 22.2/24

Left In: -0.044+/-0.025 χ^2/NDF:30.3/22

Left: -0.025+/-0.018 χ^2/NDF: 59.0/46

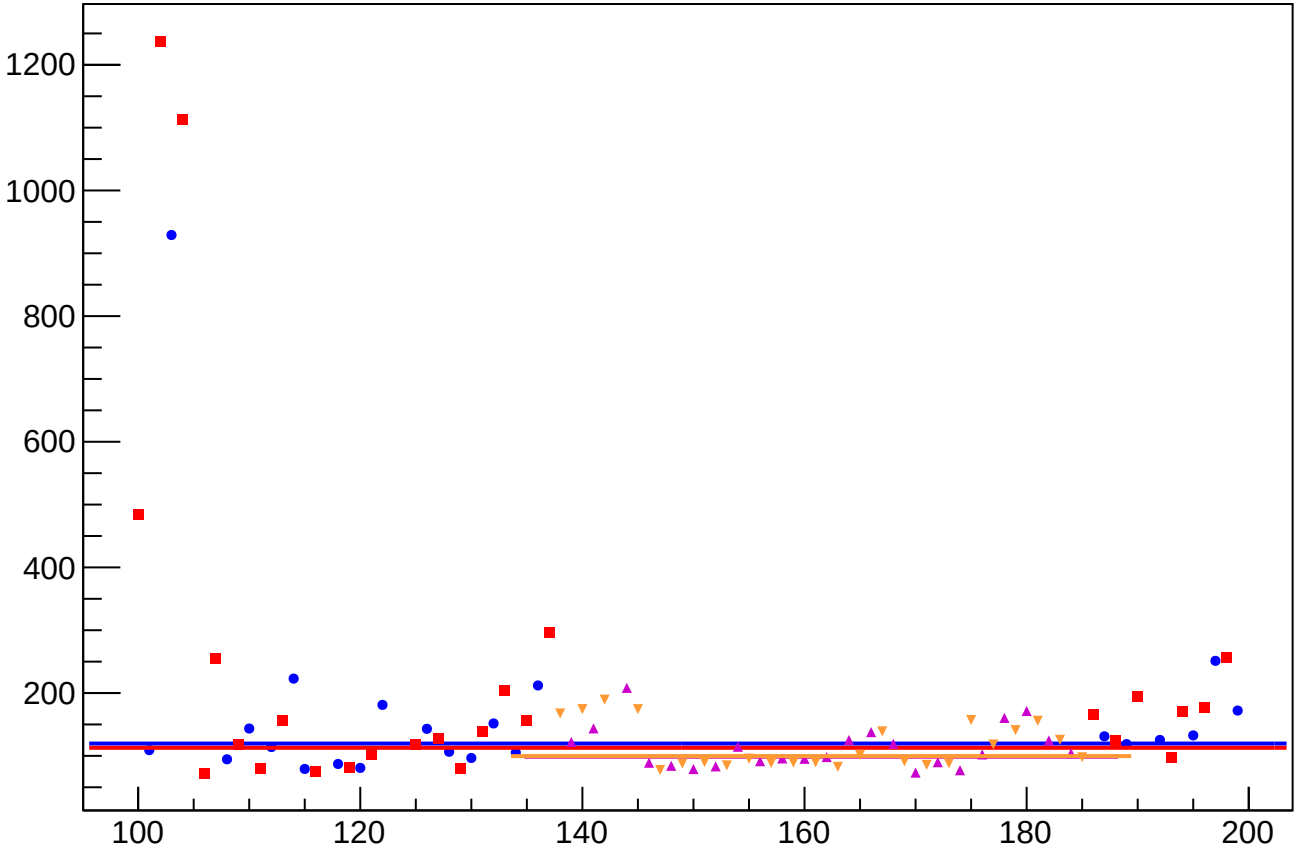
Right: -0.028+/-0.028 χ^2/NDF: 45.6/46

In: -0.032+/-0.021 χ^2/NDF:53.5/44

Out: -0.021+/-0.021 χ^2/NDF:51.0/48

All: -0.026+/-0.015 χ^2/NDF: 104.7/93

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 119.599+/-0.029 χ^2/NDF: 2399882.7/21

Left Out: 99.590+/-0.018 χ^2/NDF:2070951.9/23

Right Out: 112.854+/-0.027 χ^2/NDF: 3856051.9/24

Left In: 98.669+/-0.018 χ^2/NDF:2003332.7/22

Left: 99.125+/-0.013 χ^2/NDF: 4075620.9/46

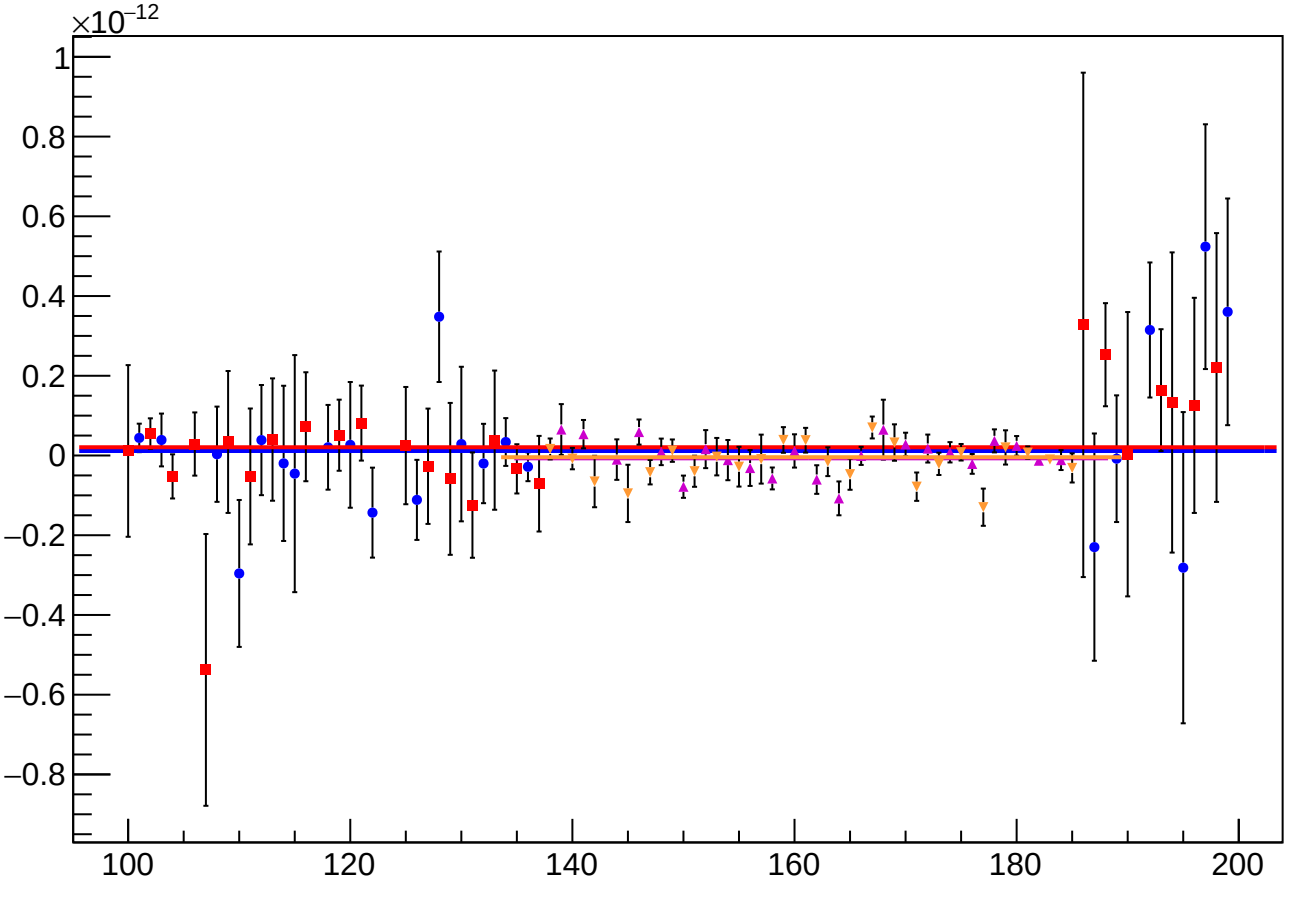
Right: 116.048+/-0.020 χ^2/NDF: 6284665.4/46

In: 104.396+/-0.015 χ^2/NDF:4784909.0/44

Out: 103.563+/-0.015 χ^2/NDF:6091362.7/48

All: 103.976+/-0.011 χ^2/NDF: 10877806.8/93

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: 21.8/21

Left Out: -0.000+/-0.000 χ^2/NDF:32.9/23

Right Out: 0.000+/-0.000 χ^2/NDF: 13.9/24

Left In: -0.000+/-0.000 χ^2/NDF:35.2/22

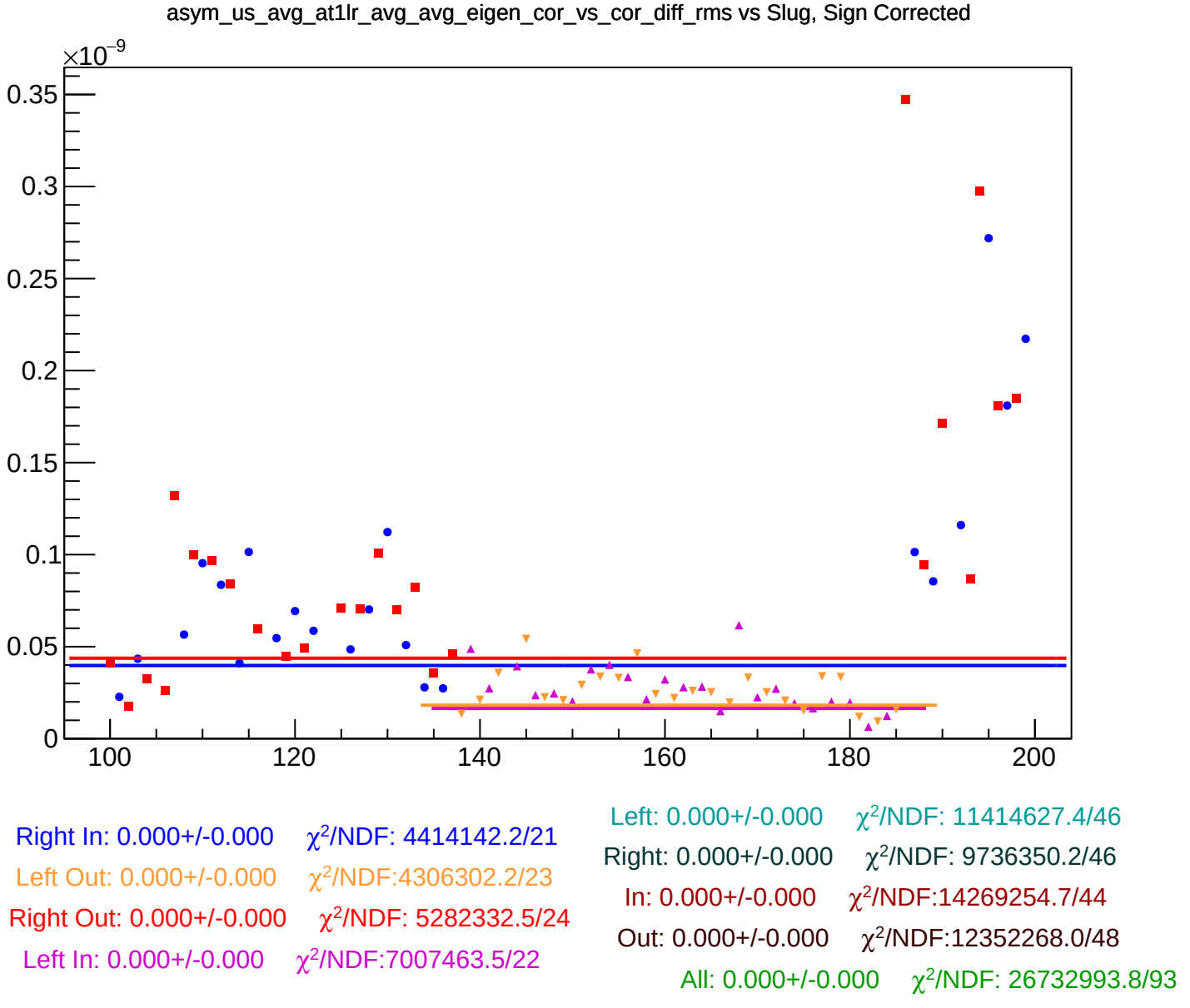
Left: -0.000+/-0.000 χ^2/NDF: 68.3/46

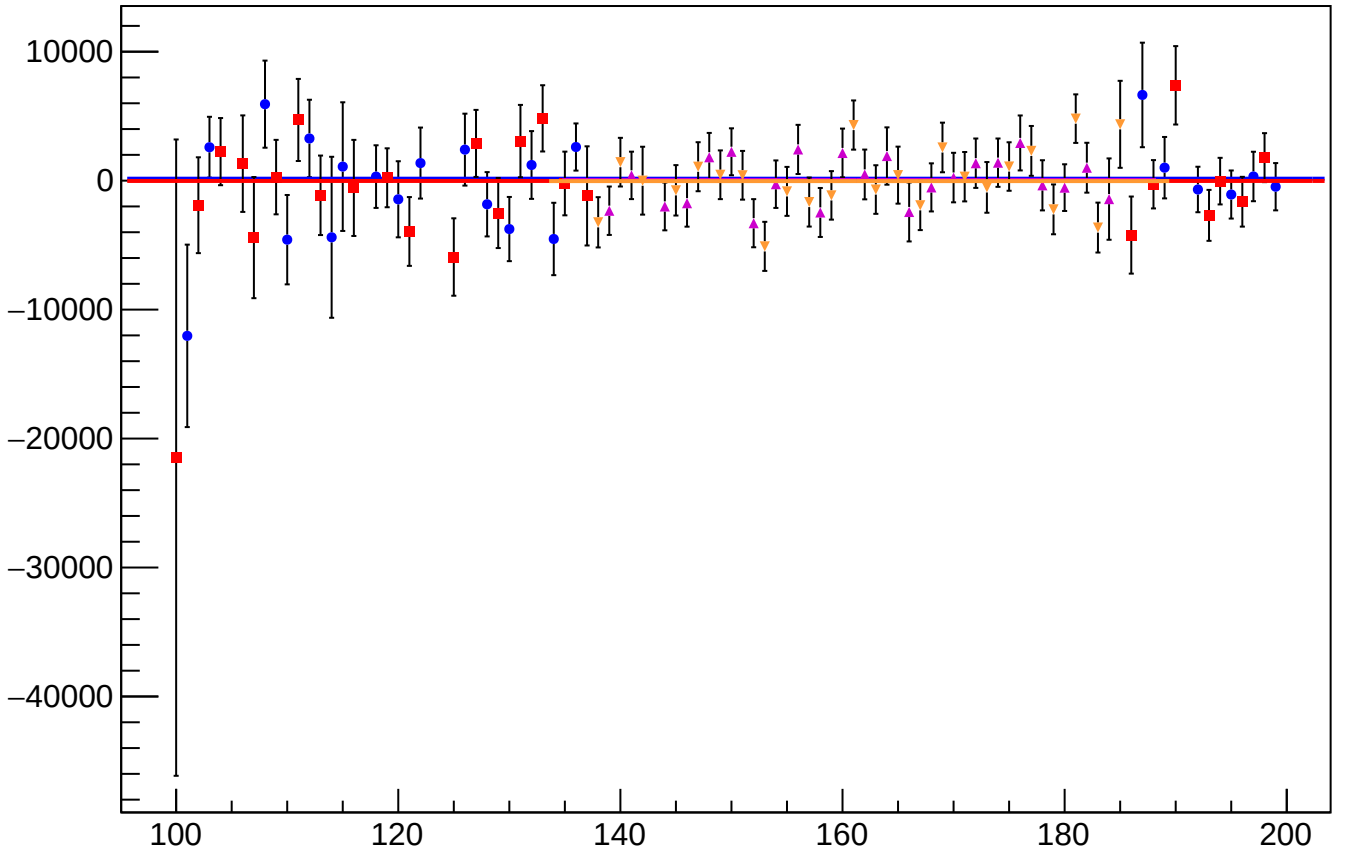
Right: 0.000+/-0.000 χ^2/NDF: 35.8/46

In: -0.000+/-0.000 χ^2/NDF:57.9/44

Out: -0.000+/-0.000 χ^2/NDF:48.2/48

All: -0.000+/-0.000 χ^2/NDF: 106.2/93


asym_us_avg_at1lr_avg_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 4414142.2/21
Left Out: 0.000+/-0.000 χ²/NDF:4306302.2/23
Right Out: 0.000+/-0.000 χ²/NDF: 5282332.5/24
Left In: 0.000+/-0.000 χ²/NDF:7007463.5/22
Left: 0.000+/-0.000 χ²/NDF: 11414627.4/46
Right: 0.000+/-0.000 χ²/NDF: 9736350.2/46
In: 0.000+/-0.000 χ²/NDF:14269254.7/44
Out: 0.000+/-0.000 χ²/NDF:12352268.0/48
All: 0.000+/-0.000 χ²/NDF: 26732993.8/93



Right In: 151.402+/-542.247 χ^2/NDF: 22.9/21

Left Out: -34.799+/-401.970 χ^2/NDF:35.4/23

Right Out: -23.590+/-528.205 χ^2/NDF: 29.5/24

Left In: 52.796+/-404.703 χ^2/NDF:19.4/22

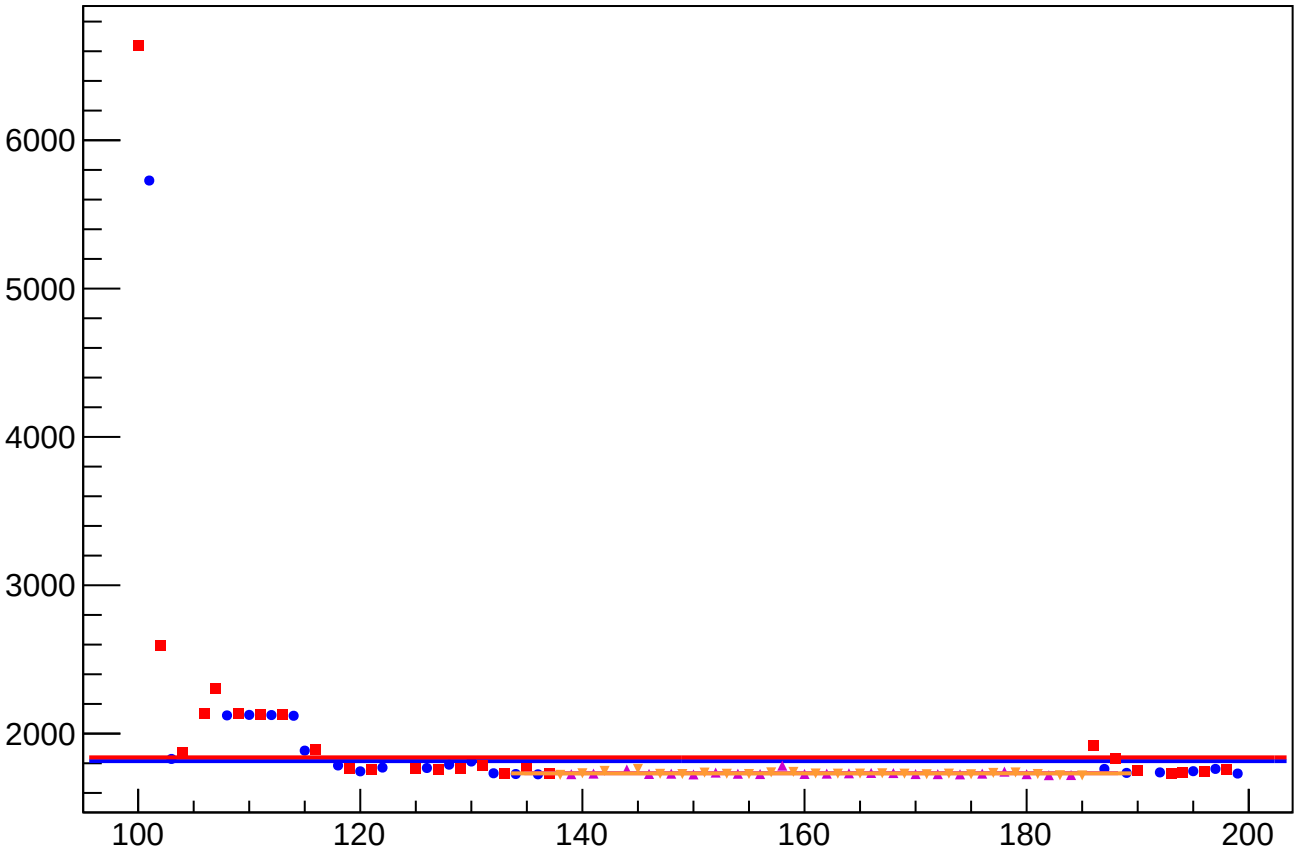
Left: 8.702+/-285.197 χ^2/NDF: 54.8/46

Right: 61.611+/-378.364 χ^2/NDF: 52.5/46

In: 88.072+/-324.331 χ^2/NDF:42.3/44

Out: -30.688+/-319.878 χ^2/NDF:64.9/48

All: 27.871+/-227.746 χ^2/NDF: 107.3/93



Right In: 1814.554+/-0.383 χ^2/NDF: 697538.6/21

Left Out: 1731.985+/-0.284 χ^2/NDF:937.2/23

Right Out: 1839.798+/-0.373 χ^2/NDF: 287330.1/24

Left In: 1733.315+/-0.286 χ^2/NDF:2230.5/22

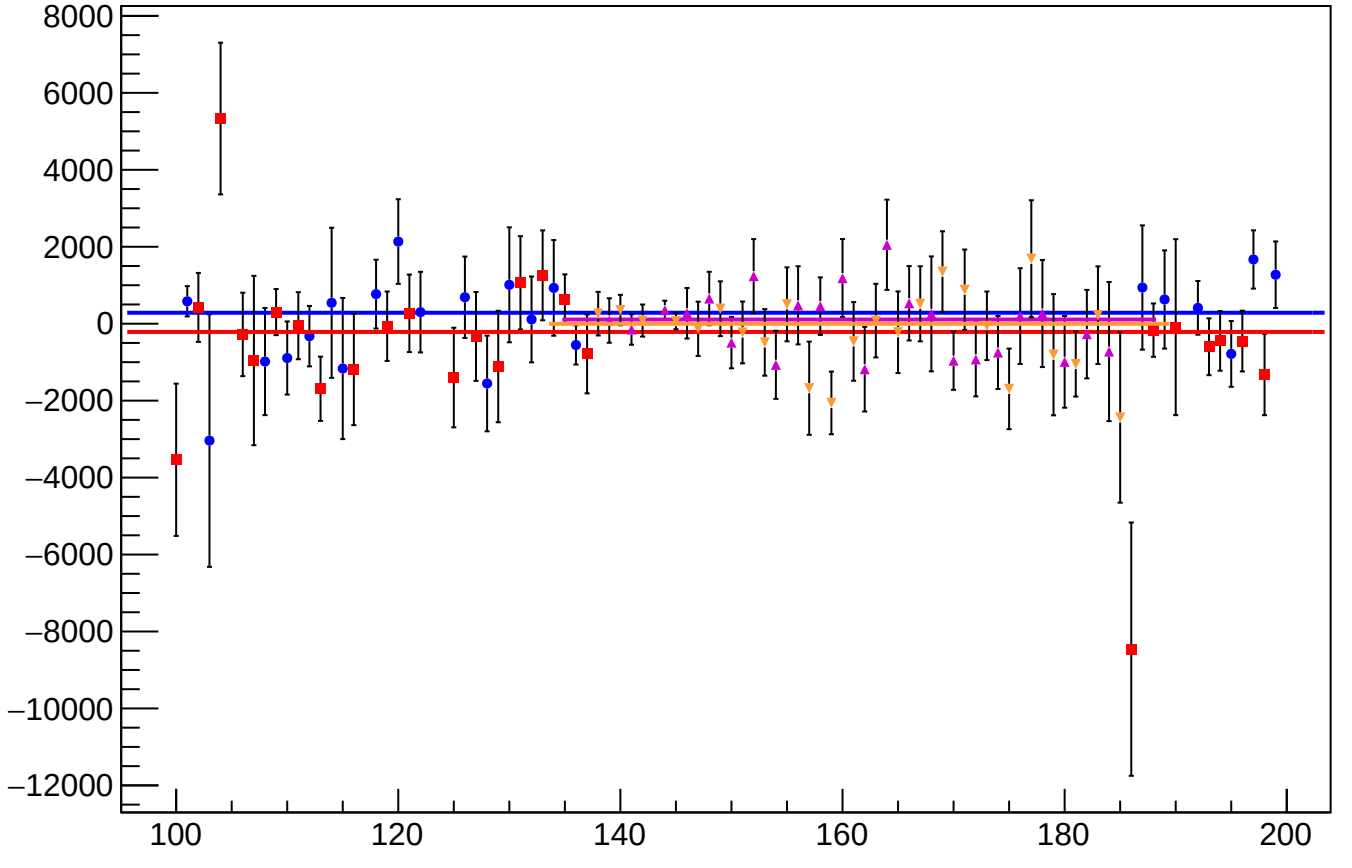
Left: 1732.646+/-0.202 χ^2/NDF: 3178.5/46

Right: 1827.507+/-0.268 χ^2/NDF: 987093.0/46

In: 1762.378+/-0.229 χ^2/NDF:728600.2/44

Out: 1771.525+/-0.226 χ^2/NDF:341032.6/48

All: 1767.015+/-0.161 χ^2/NDF: 1070439.2/93



Right In: 284.943+/-188.501 χ^2/NDF: 20.4/21

Left Out: -2.406+/-130.052 χ^2/NDF:20.3/23

Right Out: -214.421+/-196.216 χ^2/NDF: 29.8/24

Left In: 108.386+/-143.315 χ^2/NDF:17.0/22

Left: 47.628+/-96.309 χ^2/NDF: 37.6/46

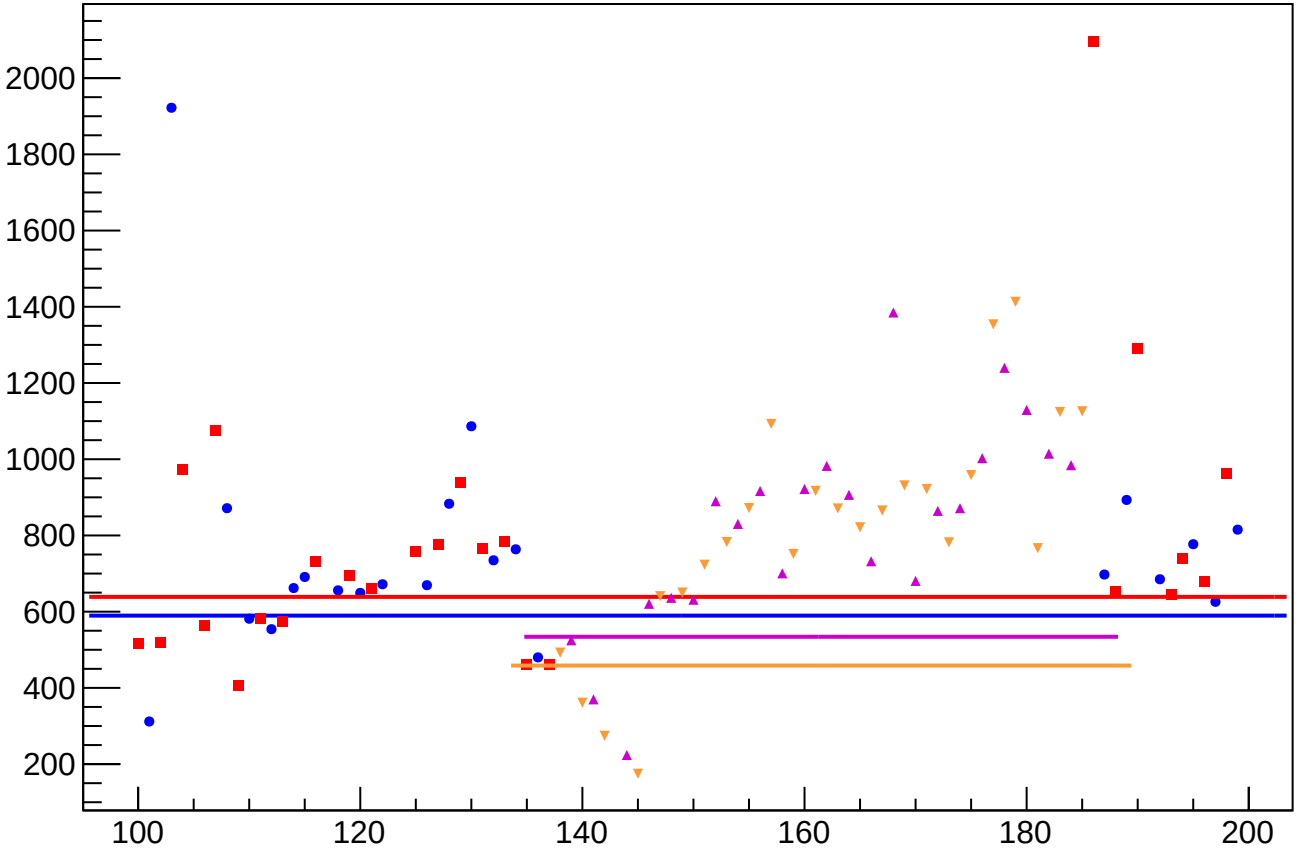
Right: 45.271+/-135.936 χ^2/NDF: 53.5/46

In: 173.059+/-114.086 χ^2/NDF:37.9/44

Out: -67.116+/-108.403 χ^2/NDF:50.8/48

All: 46.840+/-78.585 χ^2/NDF: 91.1/93

asym_us_avg_at1lr_avg_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 589.639+/-0.133 χ^2/NDF: 2356660.2/21

Left Out: 458.579+/-0.092 χ^2/NDF:11426734.4/23

Right Out: 638.841+/-0.139 χ^2/NDF: 1702227.7/24

Left In: 534.161+/-0.101 χ^2/NDF:8443293.1/22

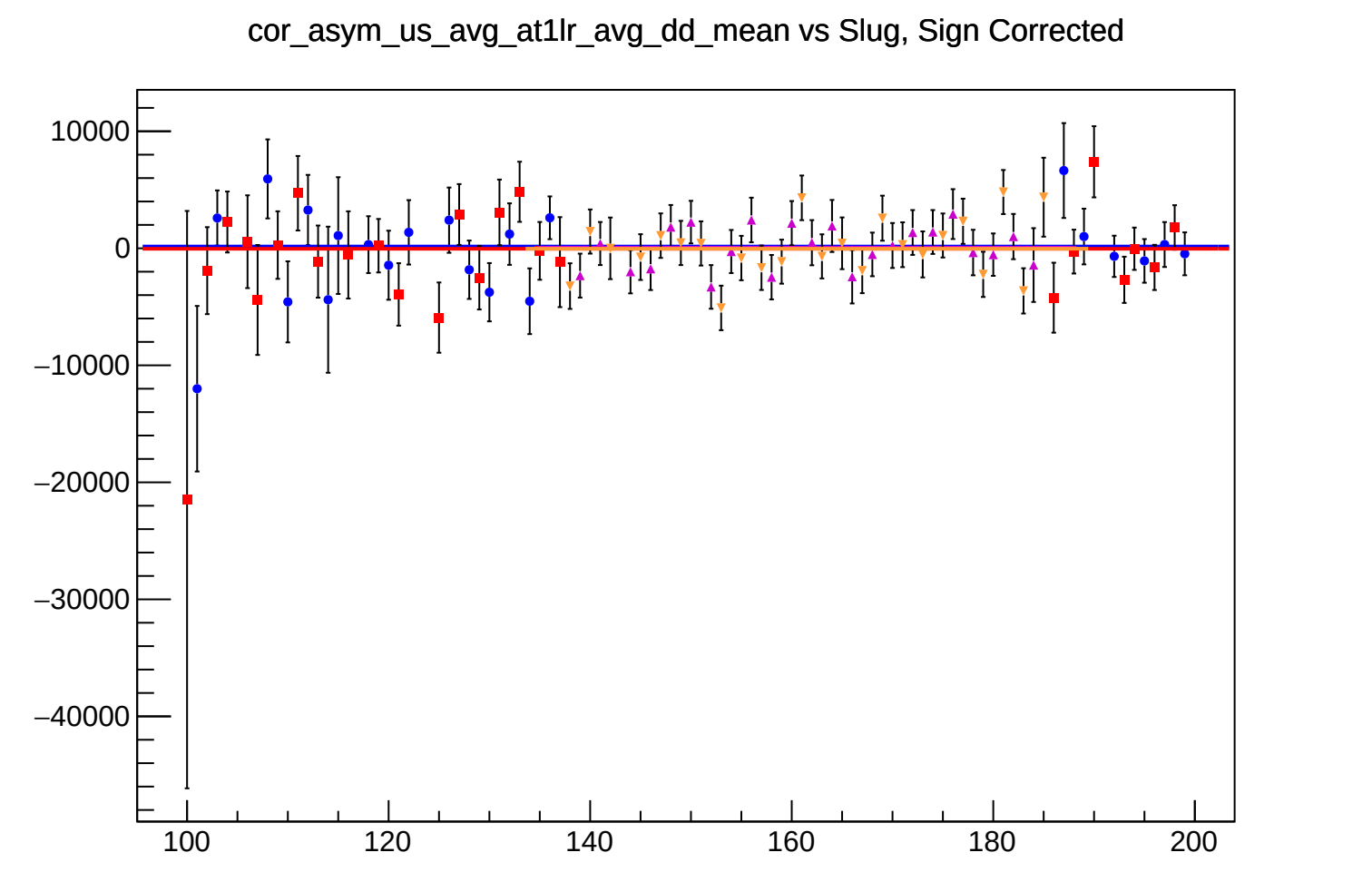
Left: 492.711+/-0.068 χ^2/NDF: 20175085.0/46

Right: 613.253+/-0.096 χ^2/NDF: 4124286.3/46

In: 554.482+/-0.081 χ^2/NDF:10909733.7/44

Out: 513.598+/-0.077 χ^2/NDF:14301735.5/48

All: 532.996+/-0.056 χ^2/NDF: 25346449.5/93



Right In: 151.431+/-542.247 χ^2/NDF: 22.9/21

Left Out: -34.742+/-401.970 χ^2/NDF:35.4/23

Right Out: -40.049+/-528.779 χ^2/NDF: 29.4/24

Left In: 52.714+/-404.703 χ^2/NDF:19.4/22

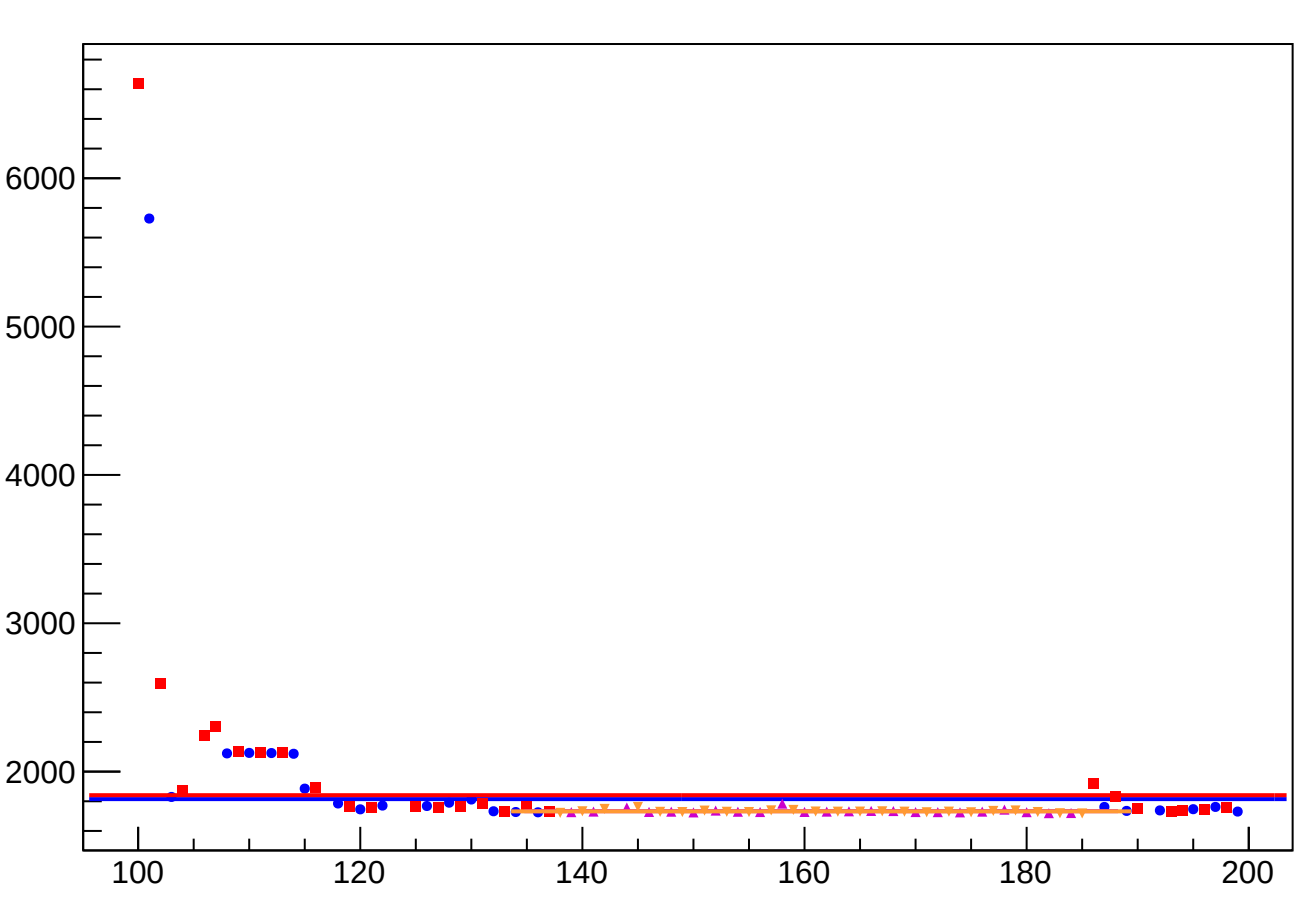
Left: 8.689+/-285.197 χ^2/NDF: 54.8/46

Right: 53.283+/-378.575 χ^2/NDF: 52.4/46

In: 88.030+/-324.331 χ^2/NDF:42.3/44

Out: -36.686+/-320.005 χ^2/NDF:64.8/48

All: 24.835+/-227.792 χ^2/NDF: 107.2/93



Right In: 1814.554+/-0.383 χ^2/NDF: 697538.5/21

Left Out: 1731.985+/-0.284 χ^2/NDF:937.2/23

Right Out: 1841.023+/-0.374 χ^2/NDF: 295290.6/24

Left In: 1733.315+/-0.286 χ^2/NDF:2230.5/22

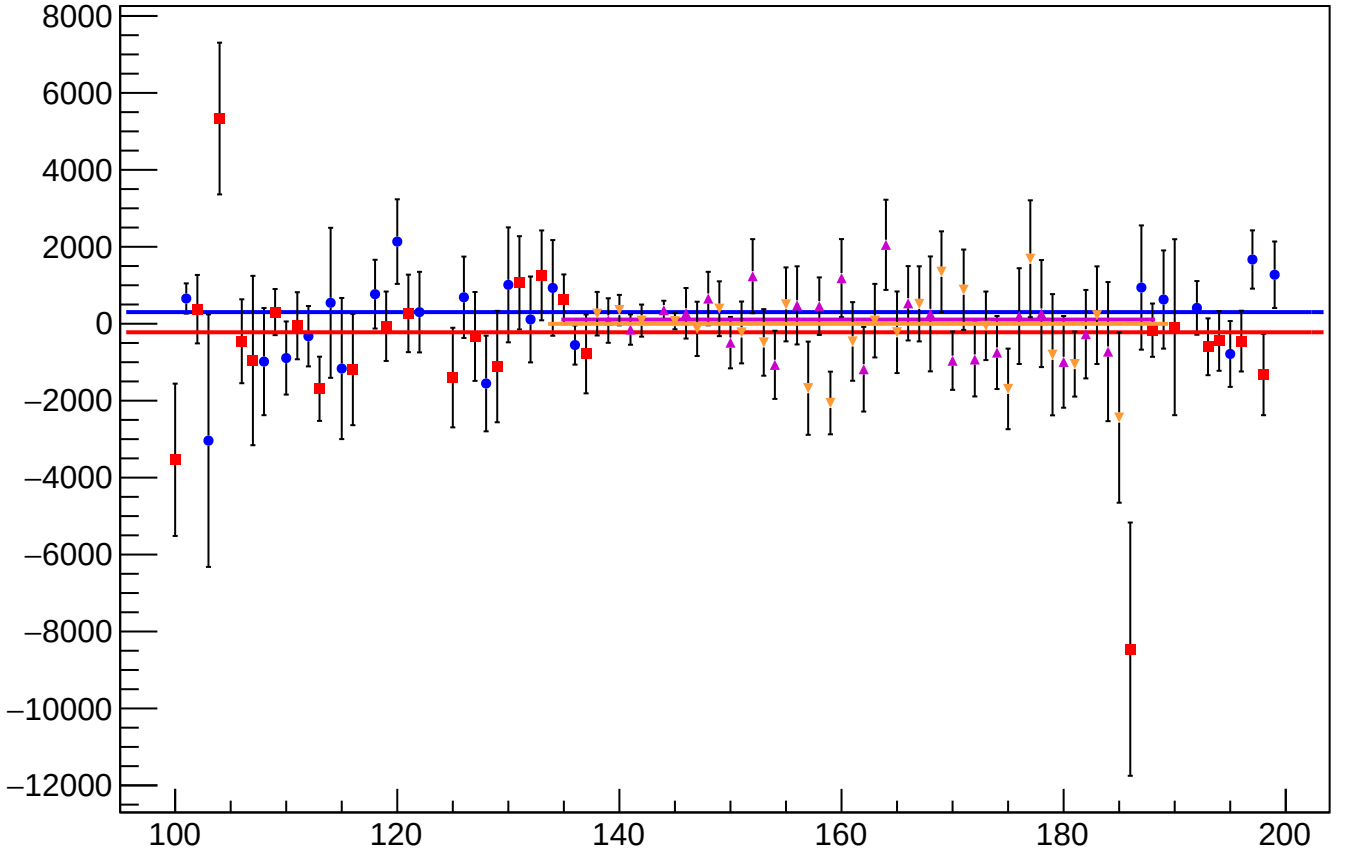
Left: 1732.646+/-0.202 χ^2/NDF: 3178.5/46

Right: 1828.121+/-0.268 χ^2/NDF: 995271.8/46

In: 1762.378+/-0.229 χ^2/NDF:728600.0/44

Out: 1771.919+/-0.226 χ^2/NDF:350124.3/48

All: 1767.213+/-0.161 χ^2/NDF: 1079601.3/93



Right In: 301.972+/-188.454 χ^2/NDF: 20.7/21

Left Out: -2.529+/-130.054 χ^2/NDF:20.3/23

Right Out: -221.804+/-196.185 χ^2/NDF: 29.7/24

Left In: 108.358+/-143.315 χ^2/NDF:17.0/22

Left: 47.548+/-96.310 χ^2/NDF: 37.6/46

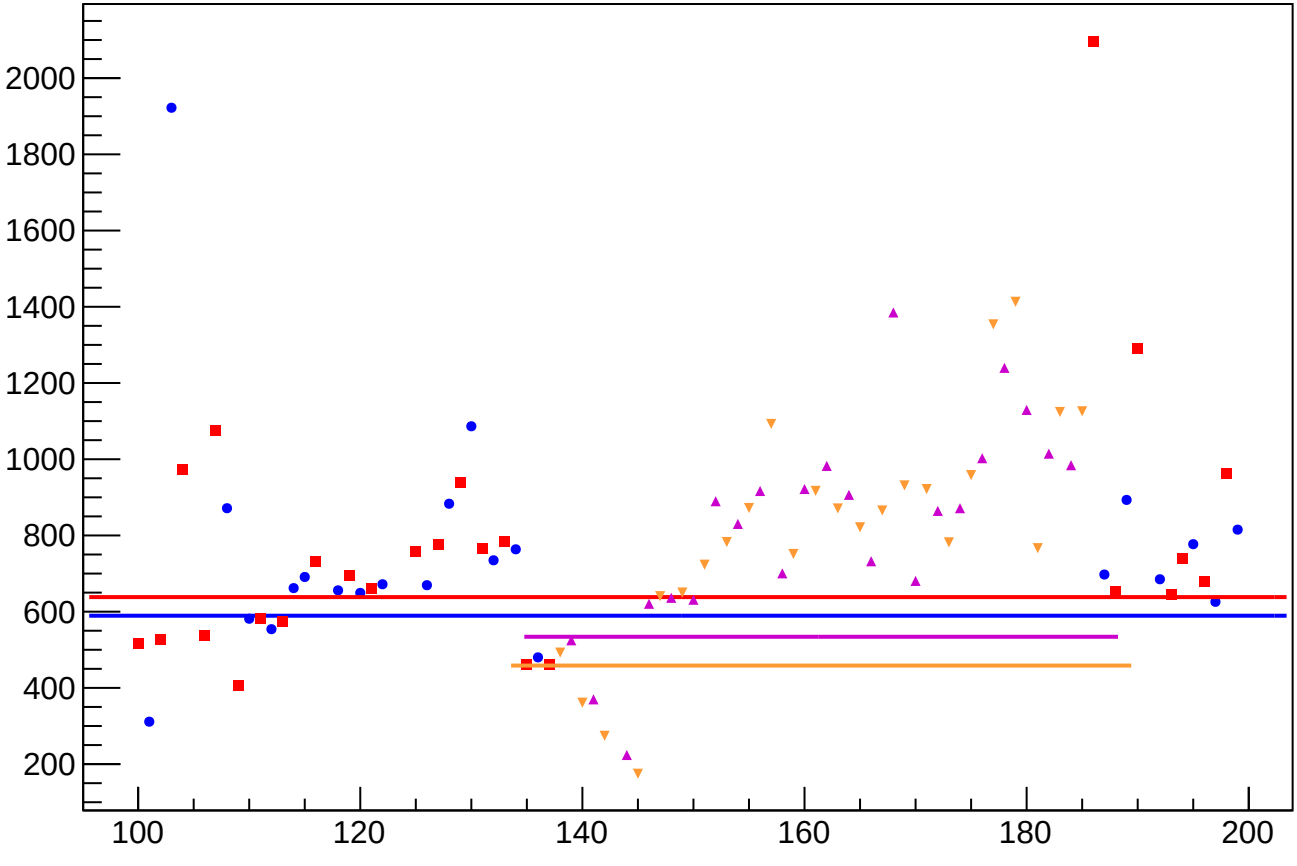
Right: 50.608+/-135.908 χ^2/NDF: 54.1/46

In: 179.302+/-114.076 χ^2/NDF:38.4/44

Out: -69.472+/-108.399 χ^2/NDF:50.9/48

All: 48.571+/-78.580 χ^2/NDF: 91.7/93

asym_us_avg_at1lr_avg_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 589.385+/-0.133 χ^2/NDF: 2362420.8/21

Left Out: 458.589+/-0.092 χ^2/NDF:11426319.1/23

Right Out: 638.243+/-0.139 χ^2/NDF: 1706536.7/24

Left In: 534.168+/-0.101 χ^2/NDF:8442812.5/22

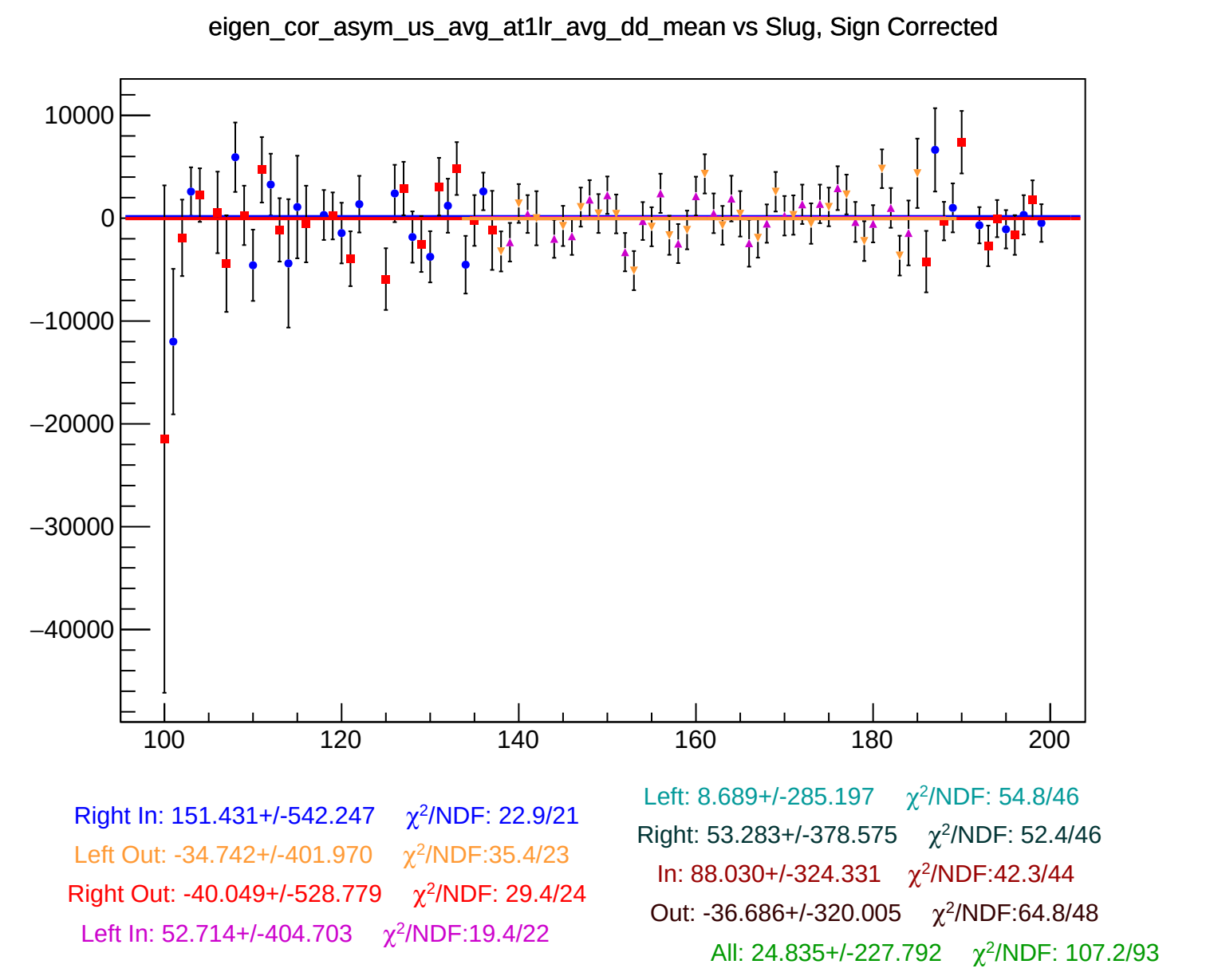
Left: 492.721+/-0.068 χ^2/NDF: 20174164.1/46

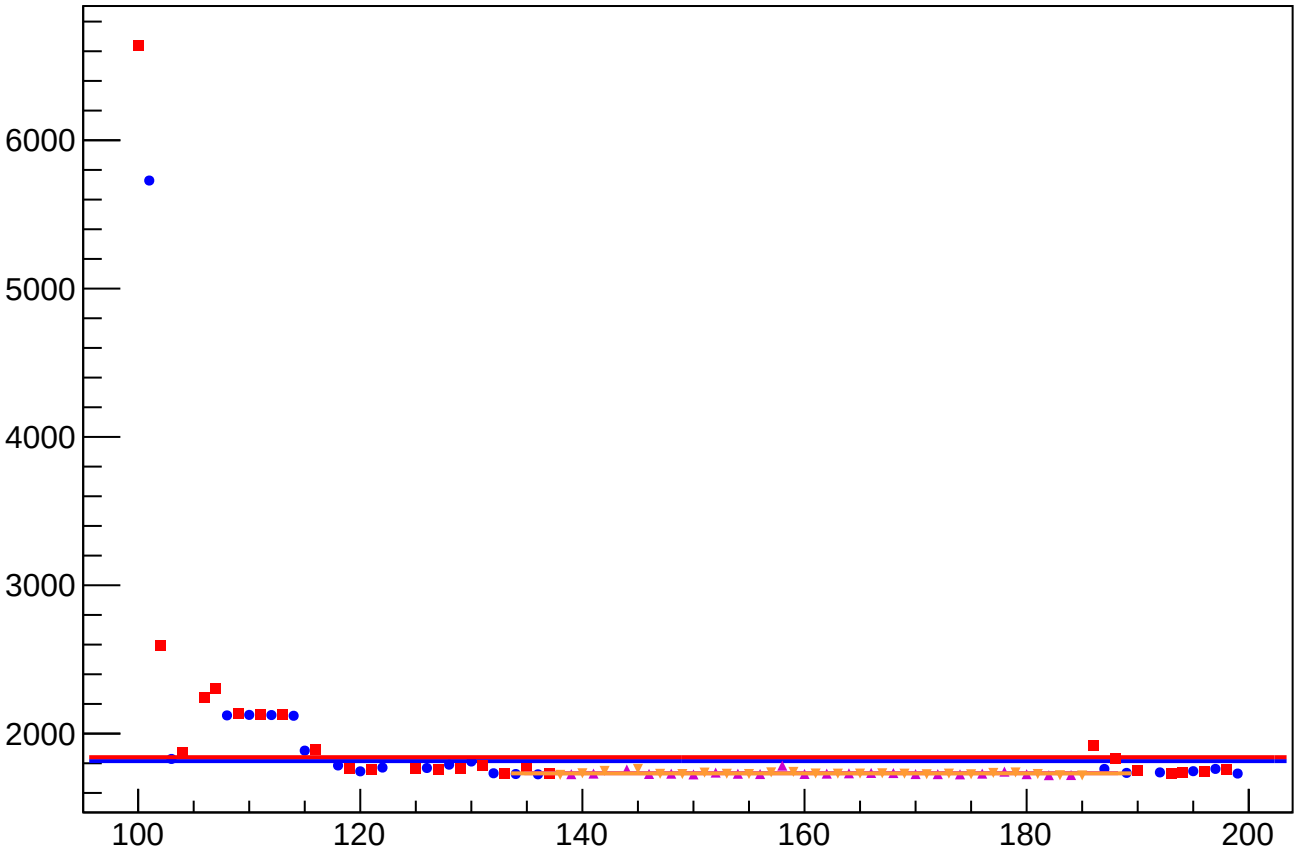
Right: 612.832+/-0.096 χ^2/NDF: 4133469.6/46

In: 554.401+/-0.081 χ^2/NDF:10914016.0/44

Out: 513.436+/-0.077 χ^2/NDF:14297973.4/48

All: 532.874+/-0.056 χ^2/NDF: 25347521.0/93


eigen_cor_asym_us_avg_at1lr_avg_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
Right In: 151.431+/-542.247 χ²/NDF: 22.9/21
Left Out: -34.742+/-401.970 χ²/NDF:35.4/23
Right Out: -40.049+/-528.779 χ²/NDF: 29.4/24
Left In: 52.714+/-404.703 χ²/NDF:19.4/22
Left: 8.689+/-285.197 χ²/NDF: 54.8/46
Right: 53.283+/-378.575 χ²/NDF: 52.4/46
In: 88.030+/-324.331 χ²/NDF:42.3/44
Out: -36.686+/-320.005 χ²/NDF:64.8/48
All: 24.835+/-227.792 χ²/NDF: 107.2/93



Right In: 1814.554+/-0.383 χ^2/NDF: 697538.5/21

Left Out: 1731.985+/-0.284 χ^2/NDF:937.2/23

Right Out: 1841.023+/-0.374 χ^2/NDF: 295290.6/24

Left In: 1733.315+/-0.286 χ^2/NDF:2230.5/22

Left: 1732.646+/-0.202 χ^2/NDF: 3178.5/46

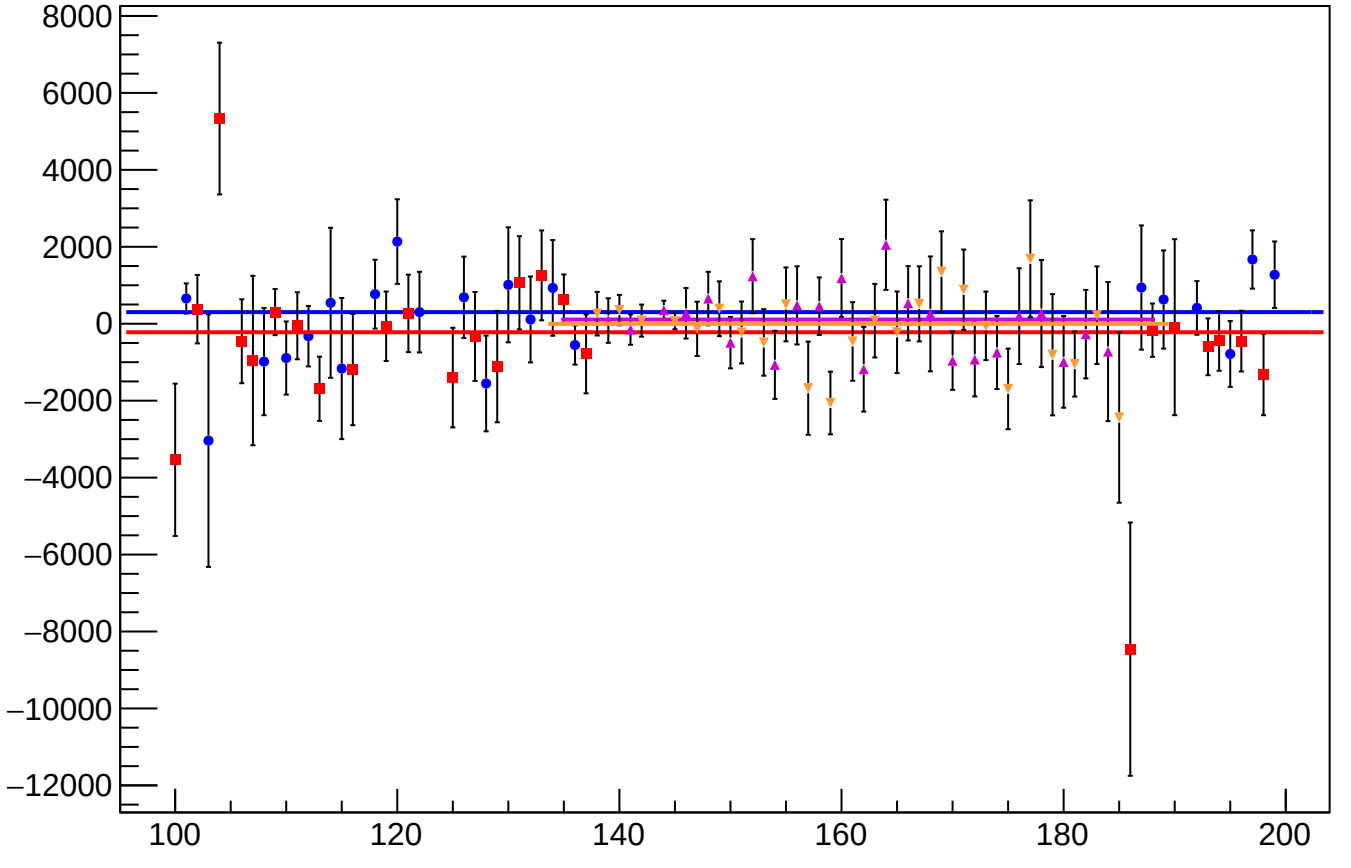
Right: 1828.121+/-0.268 χ^2/NDF: 995271.8/46

In: 1762.378+/-0.229 χ^2/NDF:728600.0/44

Out: 1771.919+/-0.226 χ^2/NDF:350124.3/48

All: 1767.213+/-0.161 χ^2/NDF: 1079601.3/93

asym_us_avg_at1lr_avg_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 301.972+/-188.454 χ^2/NDF: 20.7/21

Left Out: -2.529+/-130.054 χ^2/NDF:20.3/23

Right Out: -221.804+/-196.185 χ^2/NDF: 29.7/24

Left In: 108.358+/-143.315 χ^2/NDF:17.0/22

Left: 47.548+/-96.310 χ^2/NDF: 37.6/46

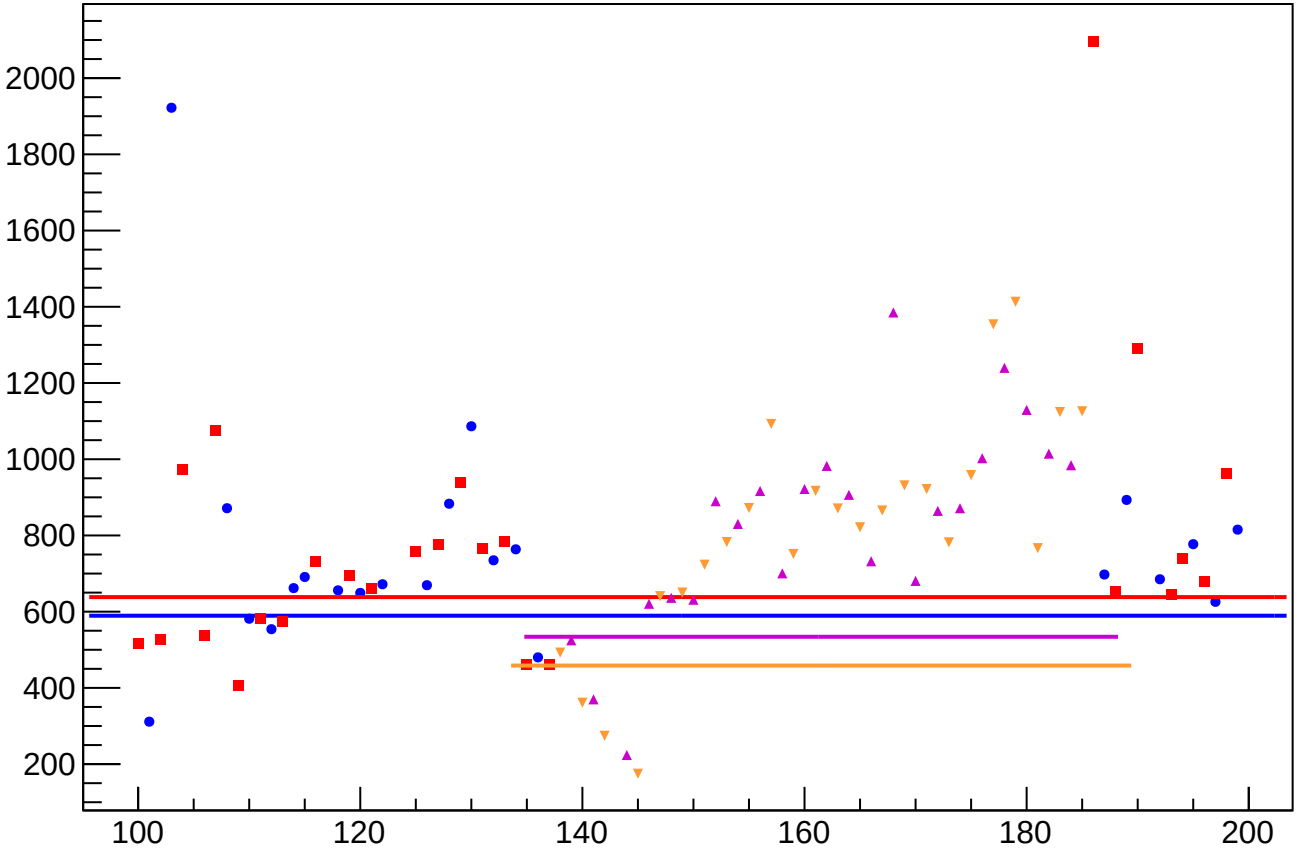
Right: 50.608+/-135.908 χ^2/NDF: 54.1/46

In: 179.302+/-114.076 χ^2/NDF:38.4/44

Out: -69.472+/-108.399 χ^2/NDF:50.9/48

All: 48.571+/-78.580 χ^2/NDF: 91.7/93

asym_us_avg_at1lr_avg_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 589.385+/-0.133 χ^2/NDF: 2362420.8/21

Left Out: 458.589+/-0.092 χ^2/NDF:11426319.1/23

Right Out: 638.243+/-0.139 χ^2/NDF: 1706536.7/24

Left In: 534.168+/-0.101 χ^2/NDF:8442812.5/22

Left: 492.721+/-0.068 χ^2/NDF: 20174164.1/46

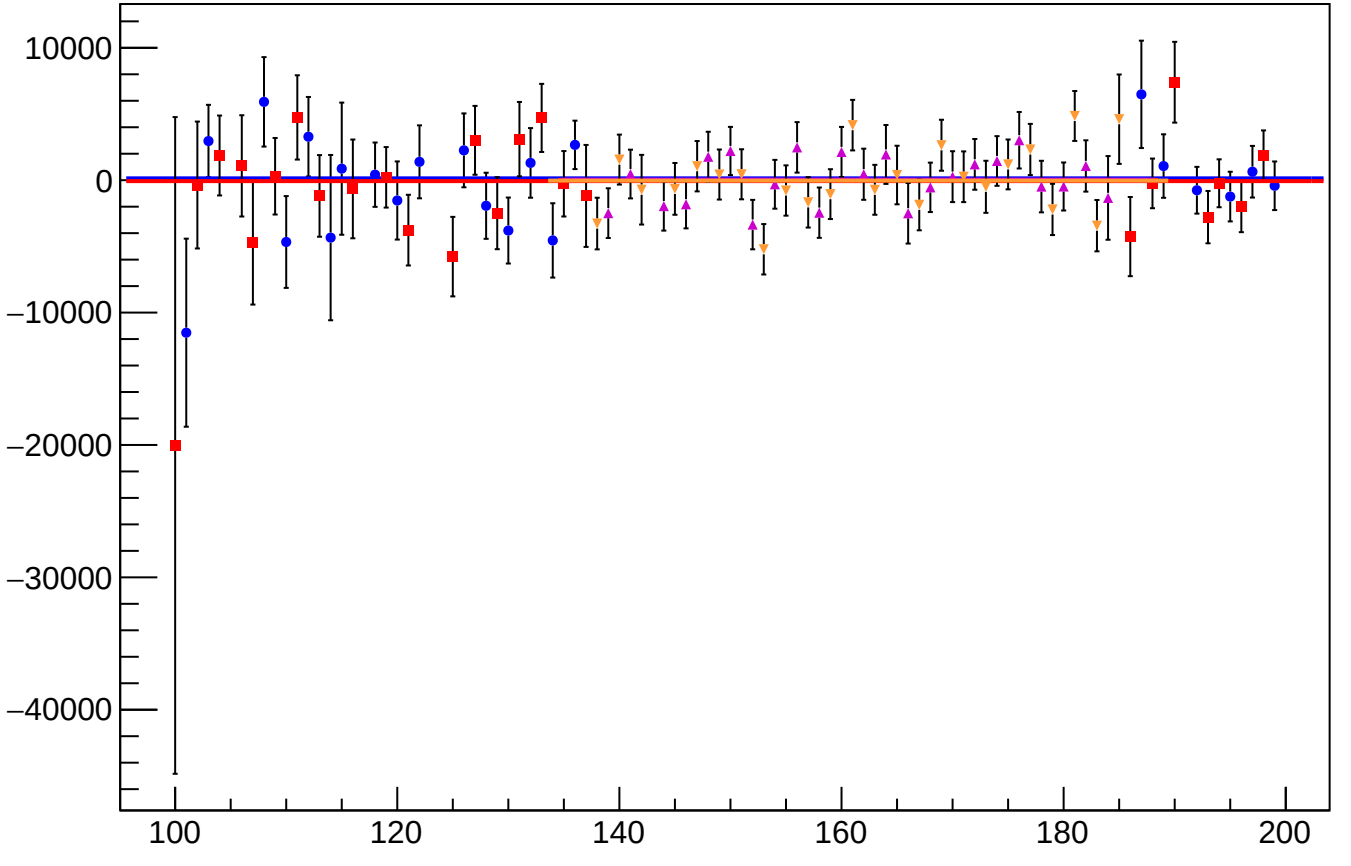
Right: 612.832+/-0.096 χ^2/NDF: 4133469.6/46

In: 554.401+/-0.081 χ^2/NDF:10914016.0/44

Out: 513.436+/-0.077 χ^2/NDF:14297973.4/48

All: 532.874+/-0.056 χ^2/NDF: 25347521.0/93

dit_asym_us_avg_at1lr_avg_dd_mean vs Slug, Sign Corrected



Right In: 140.096+/-547.518 χ^2/NDF: 23.0/21

Left Out: -29.389+/-402.317 χ^2/NDF:35.4/23

Right Out: -68.429+/-534.763 χ^2/NDF: 28.9/24

Left In: 42.465+/-405.052 χ^2/NDF:19.9/22

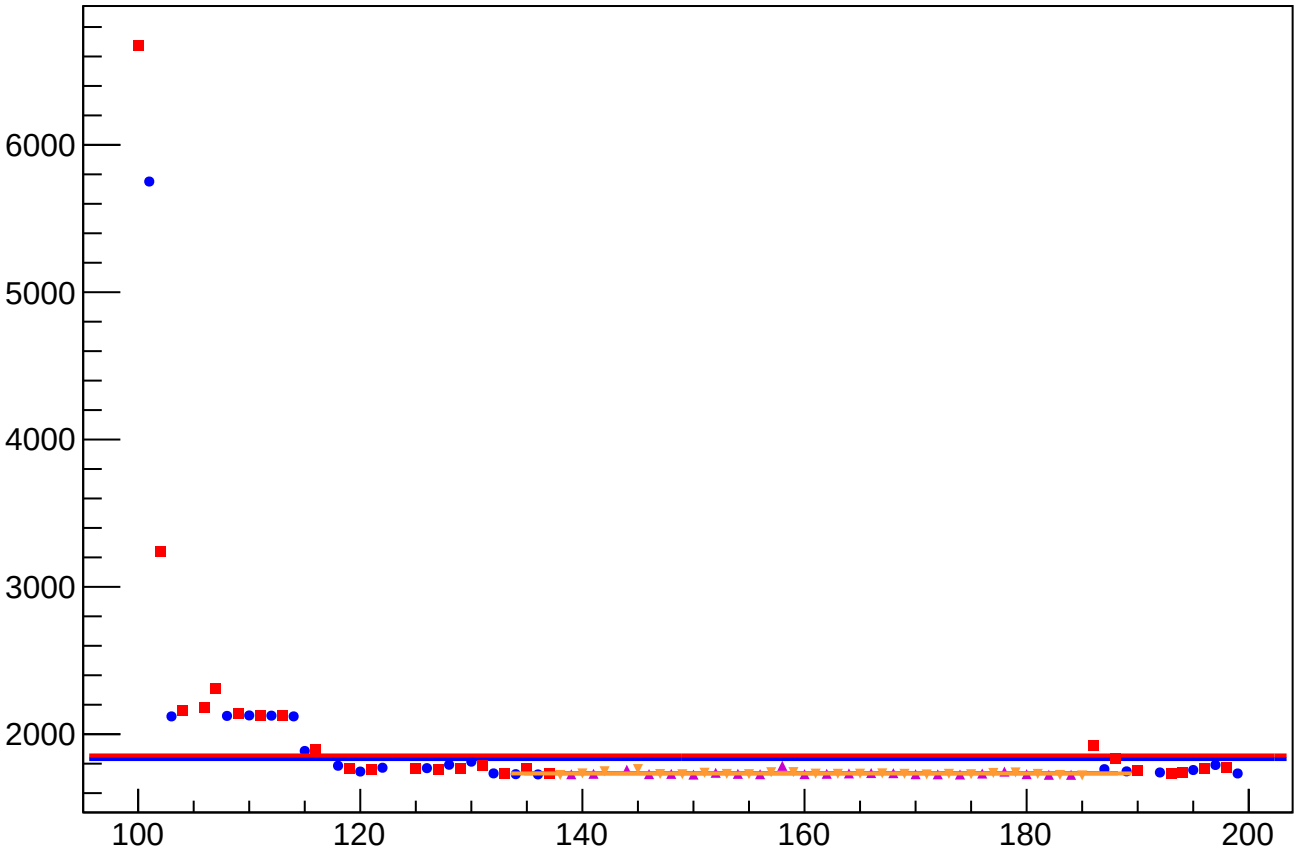
Left: 6.295+/-285.443 χ^2/NDF: 55.3/46

Right: 33.376+/-382.564 χ^2/NDF: 52.0/46

In: 76.998+/-325.629 χ^2/NDF:42.9/44

Out: -43.499+/-321.494 χ^2/NDF:64.4/48

All: 15.980+/-228.779 χ^2/NDF: 107.3/93



Right In: 1831.231+/-0.387 χ^2/NDF: 719611.9/21

Left Out: 1733.478+/-0.284 χ^2/NDF:901.3/23

Right Out: 1855.649+/-0.378 χ^2/NDF: 394974.9/24

Left In: 1734.810+/-0.286 χ^2/NDF:2175.7/22

Left: 1734.140+/-0.202 χ^2/NDF: 3087.9/46

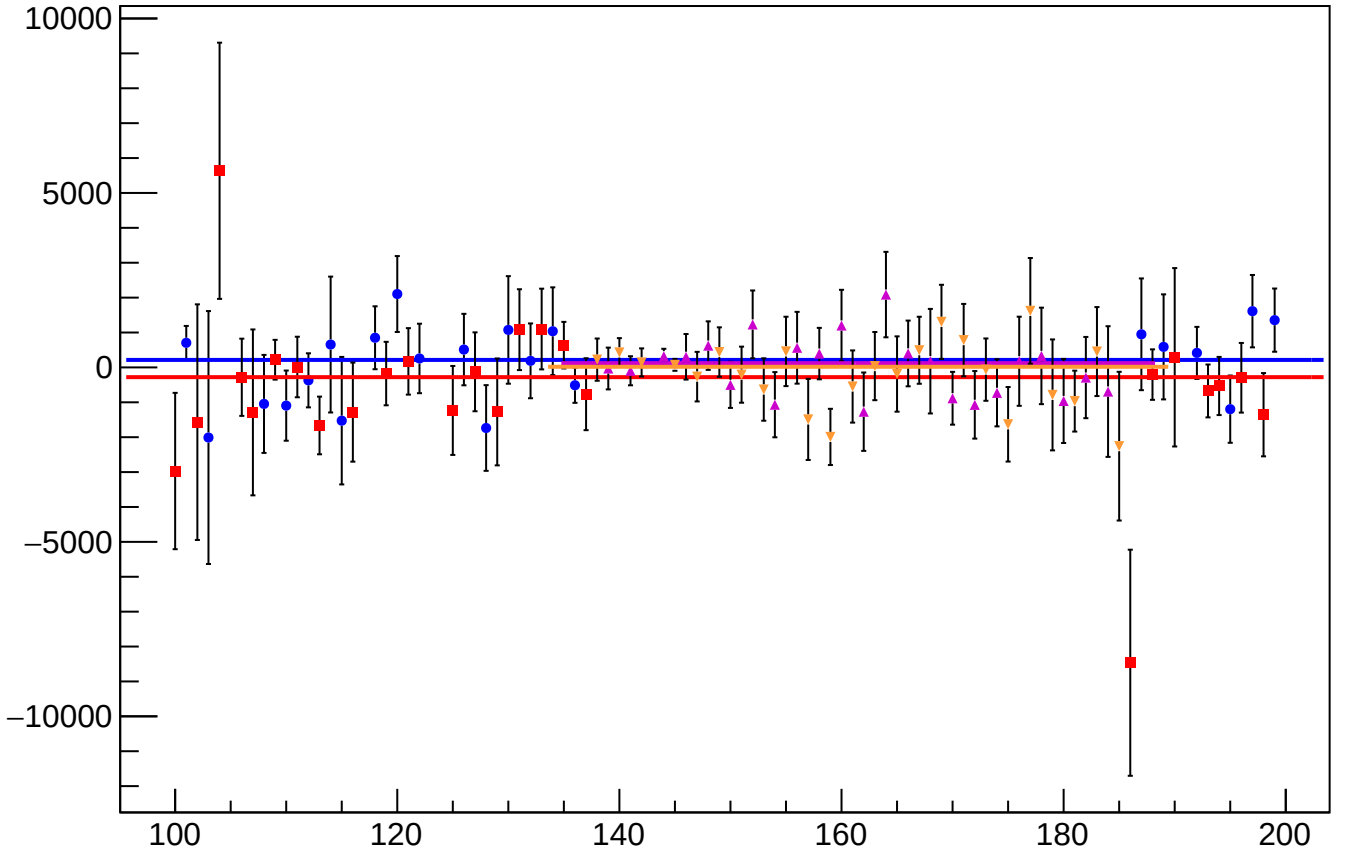
Right: 1843.728+/-0.271 χ^2/NDF: 1116622.5/46

In: 1768.915+/-0.230 χ^2/NDF:761874.5/44

Out: 1777.635+/-0.227 χ^2/NDF:462533.9/48

All: 1773.331+/-0.162 χ^2/NDF: 1225134.6/93

asym_us_avg_at1lr_avg_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 214.629+/-202.115 χ^2/NDF: 20.3/21

Left Out: 18.027+/-119.333 χ^2/NDF:19.4/23

Right Out: -279.290+/-205.933 χ^2/NDF: 22.3/24

Left In: 121.705+/-137.150 χ^2/NDF:16.5/22

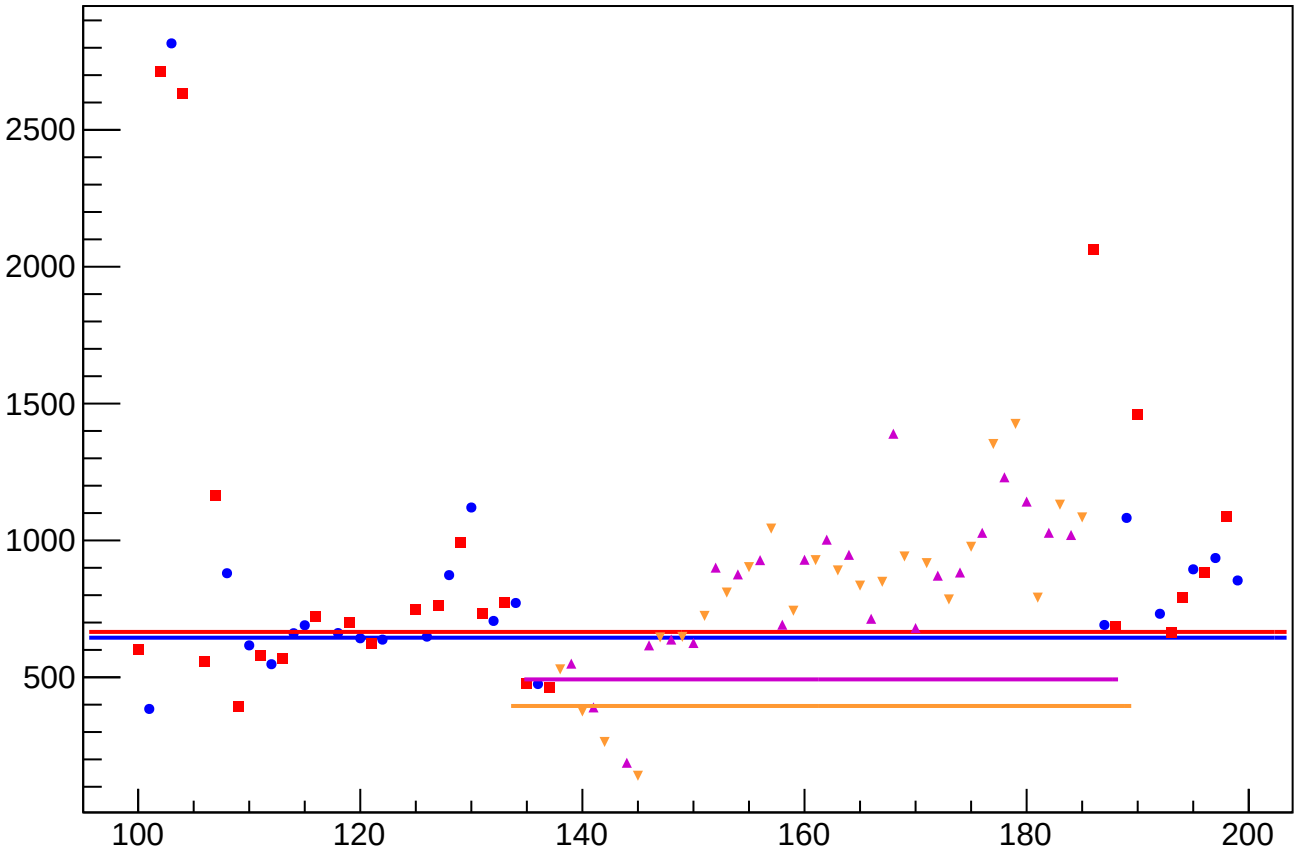
Left: 62.699+/-90.026 χ^2/NDF: 36.2/46

Right: -27.710+/-144.248 χ^2/NDF: 45.5/46

In: 151.003+/-113.488 χ^2/NDF:36.9/44

Out: -56.712+/-103.250 χ^2/NDF:43.3/48

All: 37.355+/-76.373 χ^2/NDF: 82.0/93



Right In: 644.684+/-0.143 χ^2/NDF: 2495912.7/21

Left Out: 395.188+/-0.084 χ^2/NDF:14334419.9/23

Right Out: 665.752+/-0.146 χ^2/NDF: 3271475.4/24

Left In: 492.294+/-0.097 χ^2/NDF:10419498.8/22

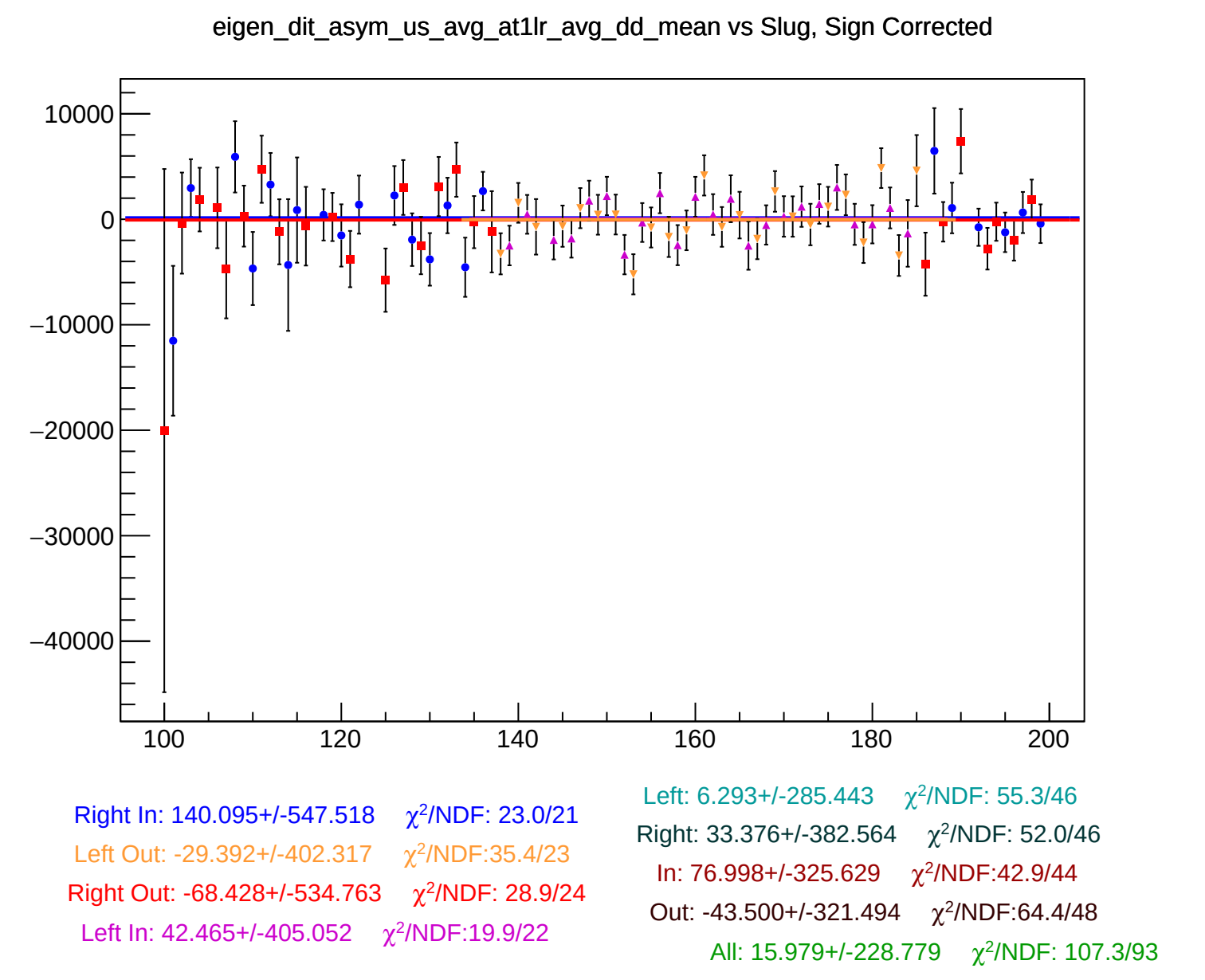
Left: 437.028+/-0.064 χ^2/NDF: 25324537.7/46

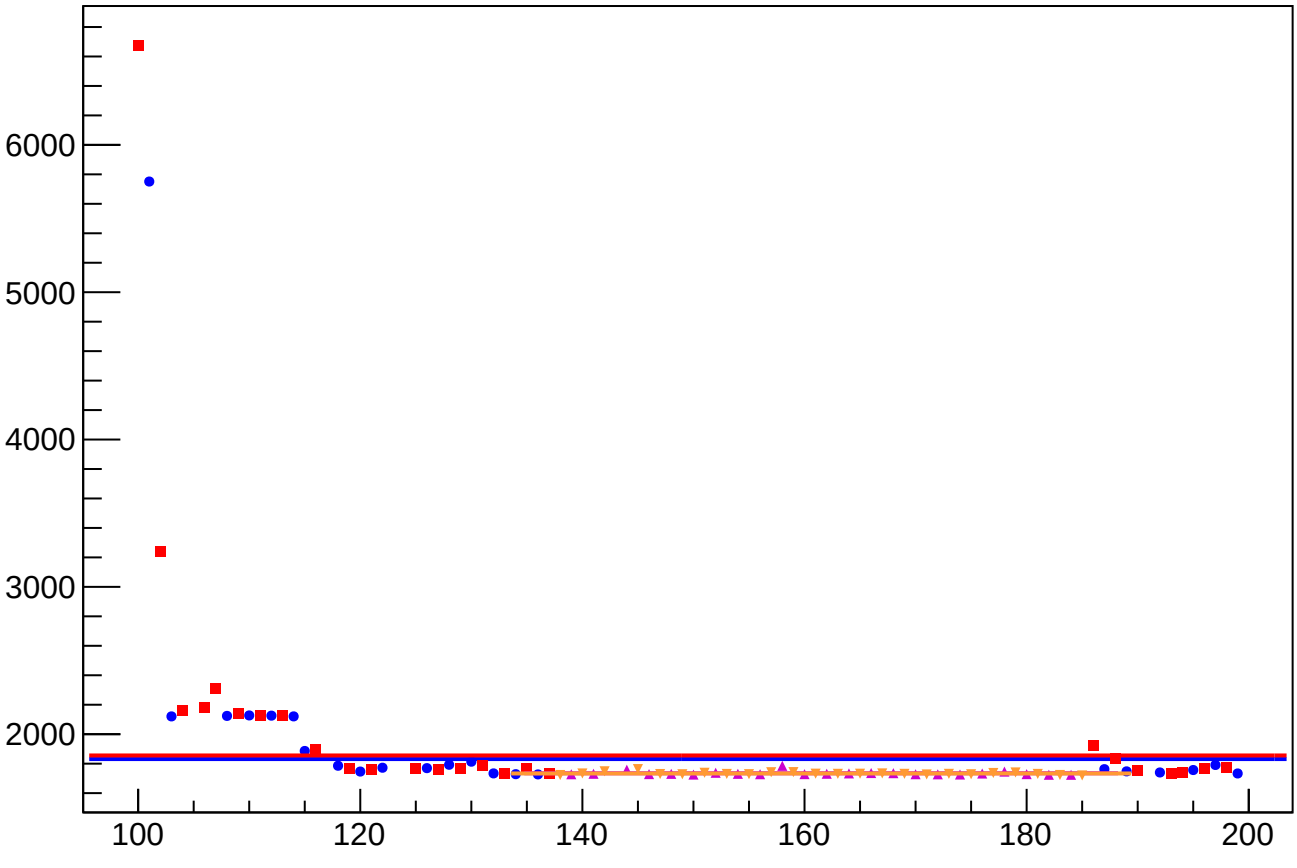
Right: 655.021+/-0.102 χ^2/NDF: 5778050.3/46

In: 540.340+/-0.080 χ^2/NDF:13693901.5/44

Out: 463.203+/-0.073 χ^2/NDF:20190410.3/48

All: 498.136+/-0.054 χ^2/NDF: 34389849.3/93


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: 140.095+/-547.518 χ²/NDF: 23.0/21
Left Out: -29.392+/-402.317 χ²/NDF:35.4/23
Right Out: -68.428+/-534.763 χ²/NDF: 28.9/24
Left In: 42.465+/-405.052 χ²/NDF:19.9/22
Left: 6.293+/-285.443 χ²/NDF: 55.3/46
Right: 33.376+/-382.564 χ²/NDF: 52.0/46
In: 76.998+/-325.629 χ²/NDF:42.9/44
Out: -43.500+/-321.494 χ²/NDF:64.4/48
All: 15.979+/-228.779 χ²/NDF: 107.3/93



Right In: 1831.231+/-0.387 χ^2/NDF: 719611.5/21

Left Out: 1733.478+/-0.284 χ^2/NDF:901.3/23

Right Out: 1855.649+/-0.378 χ^2/NDF: 394974.0/24

Left In: 1734.810+/-0.286 χ^2/NDF:2175.7/22

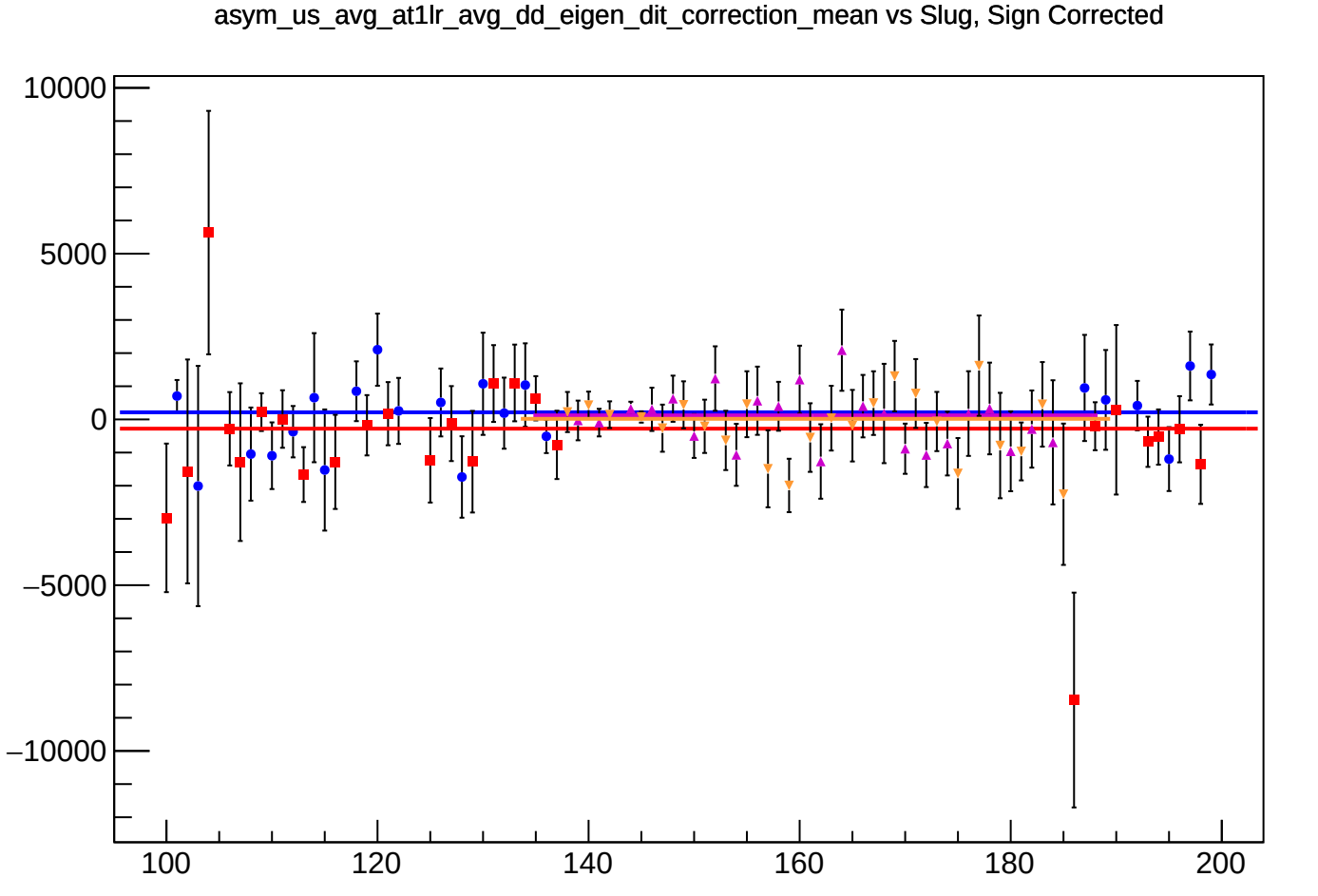
Left: 1734.140+/-0.202 χ^2/NDF: 3087.9/46

Right: 1843.728+/-0.271 χ^2/NDF: 1116621.3/46

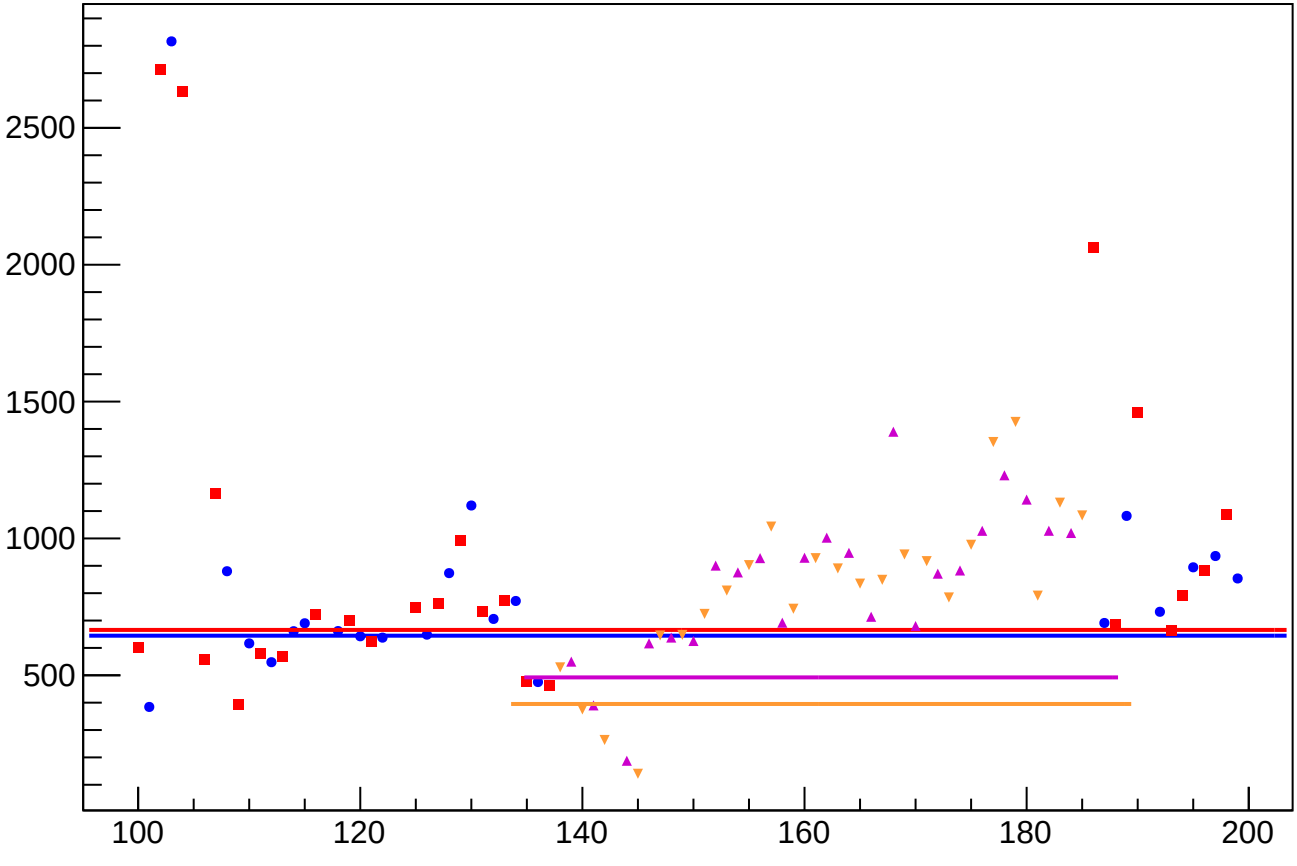
In: 1768.915+/-0.230 χ^2/NDF:761874.1/44

Out: 1777.635+/-0.227 χ^2/NDF:462533.0/48

All: 1773.331+/-0.162 χ^2/NDF: 1225133.3/93


asym_us_avg_at1lr_avg_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
10000
5000
0
−5000
−10000
100
120
140
160
180
200
Right In: 214.626+/-202.115 χ²/NDF: 20.3/21
Left Out: 18.026+/-119.333 χ²/NDF:19.4/23
Right Out: -279.286+/-205.932 χ²/NDF: 22.3/24
Left In: 121.706+/-137.150 χ²/NDF:16.5/22
Left: 62.698+/-90.026 χ²/NDF: 36.2/46
Right: -27.710+/-144.247 χ²/NDF: 45.5/46
In: 151.002+/-113.488 χ²/NDF:36.9/44
Out: -56.714+/-103.250 χ²/NDF:43.3/48
All: 37.355+/-76.373 χ²/NDF: 82.0/93

asym_us_avg_at1lr_avg_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 644.682+/-0.143 χ^2/NDF: 2495911.8/21

Left Out: 395.188+/-0.084 χ^2/NDF:14334464.6/23

Right Out: 665.748+/-0.146 χ^2/NDF: 3271501.8/24

Left In: 492.295+/-0.097 χ^2/NDF:10419523.2/22

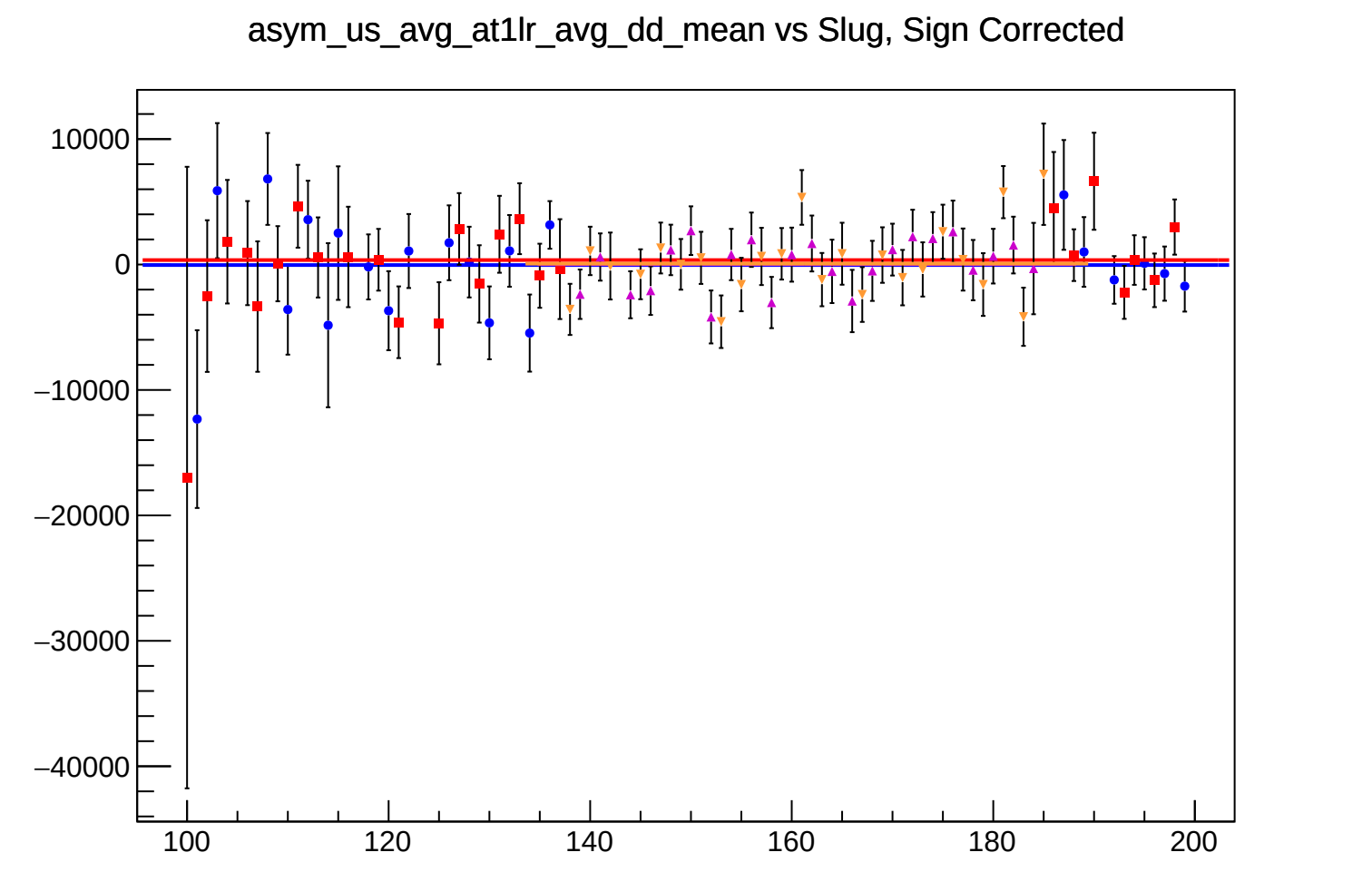
Left: 437.028+/-0.064 χ^2/NDF: 25324612.8/46

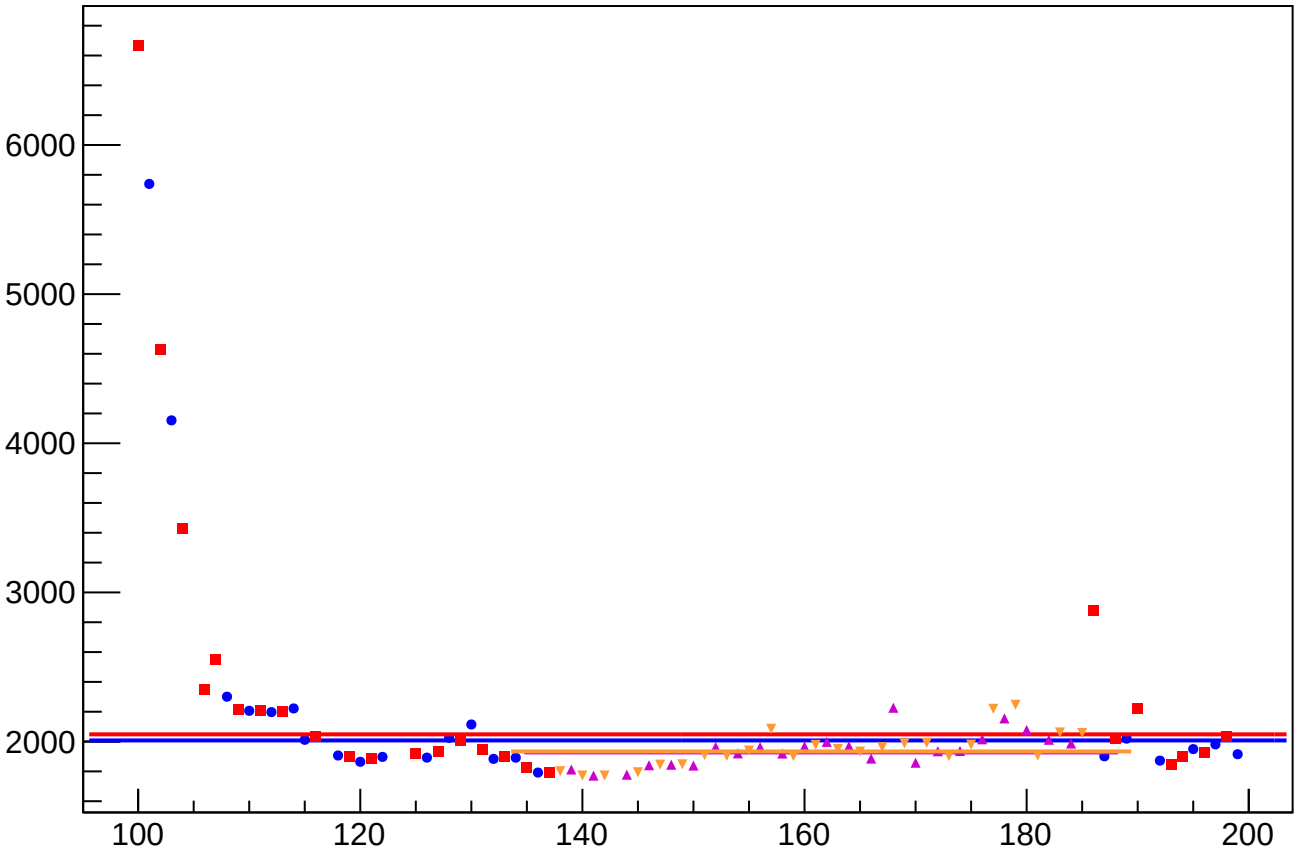
Right: 655.018+/-0.102 χ^2/NDF: 5778073.7/46

In: 540.341+/-0.080 χ^2/NDF:13693899.8/44

Out: 463.202+/-0.073 χ^2/NDF:20190419.6/48

All: 498.136+/-0.054 χ^2/NDF: 34389864.3/93


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: -41.619+/-603.895 χ²/NDF: 24.2/21
Left Out: 66.661+/-449.750 χ²/NDF:33.6/23
Right Out: 355.304+/-593.066 χ²/NDF: 18.6/24
Left In: 25.575+/-450.755 χ²/NDF:20.0/22
Left: 46.164+/-318.376 χ²/NDF: 53.6/46
Right: 160.433+/-423.138 χ²/NDF: 43.1/46
In: 1.533+/-361.225 χ²/NDF:44.2/44
Out: 172.049+/-358.359 χ²/NDF:52.4/48
All: 87.470+/-254.405 χ²/NDF: 96.7/93



Right In: 2007.497+/-0.427 χ^2/NDF: 965868.1/21

Left Out: 1933.804+/-0.318 χ^2/NDF:128531.8/23

Right Out: 2048.310+/-0.419 χ^2/NDF: 795683.6/24

Left In: 1927.125+/-0.319 χ^2/NDF:116436.1/22

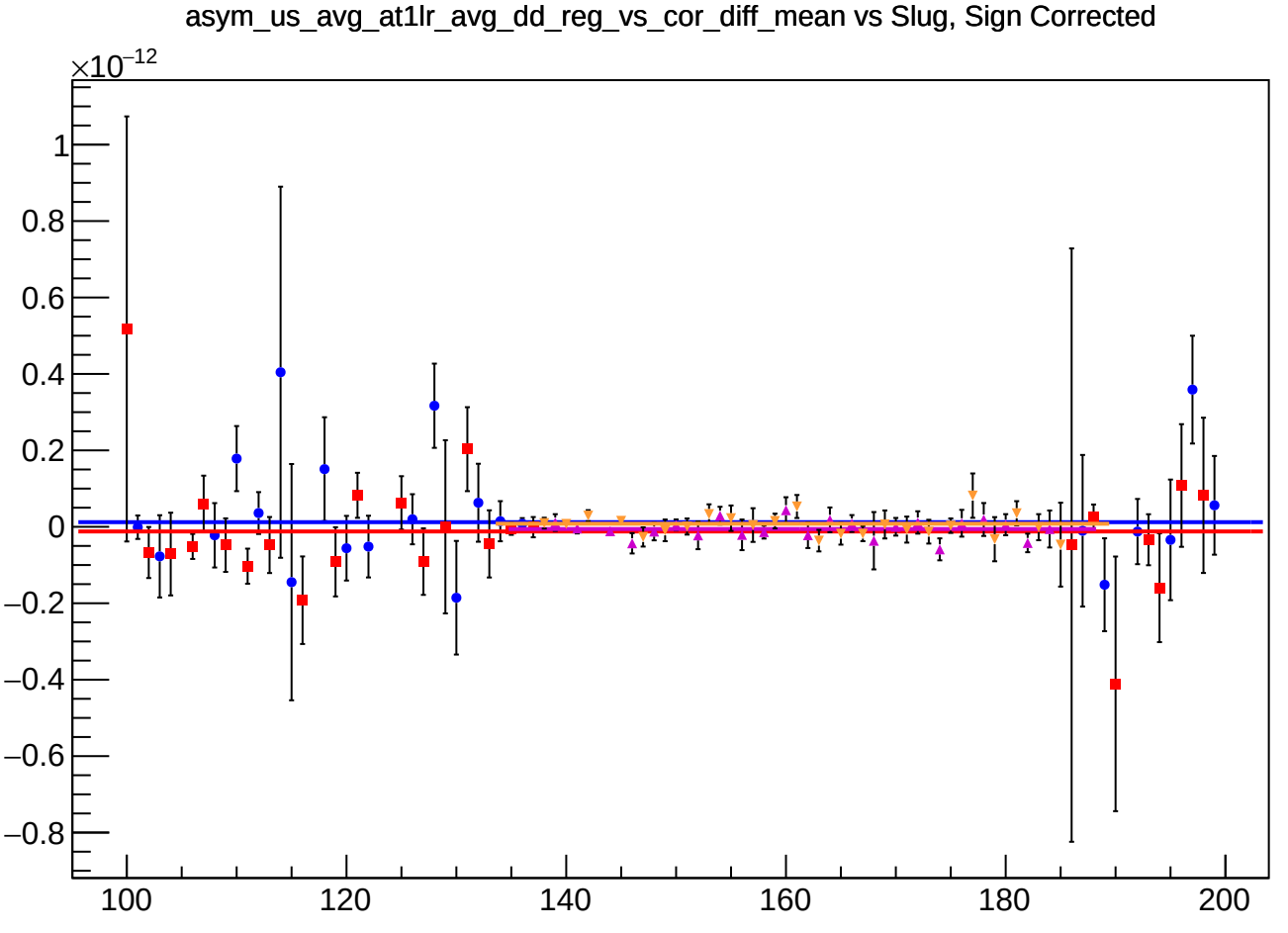
Left: 1930.472+/-0.225 χ^2/NDF: 245187.9/46

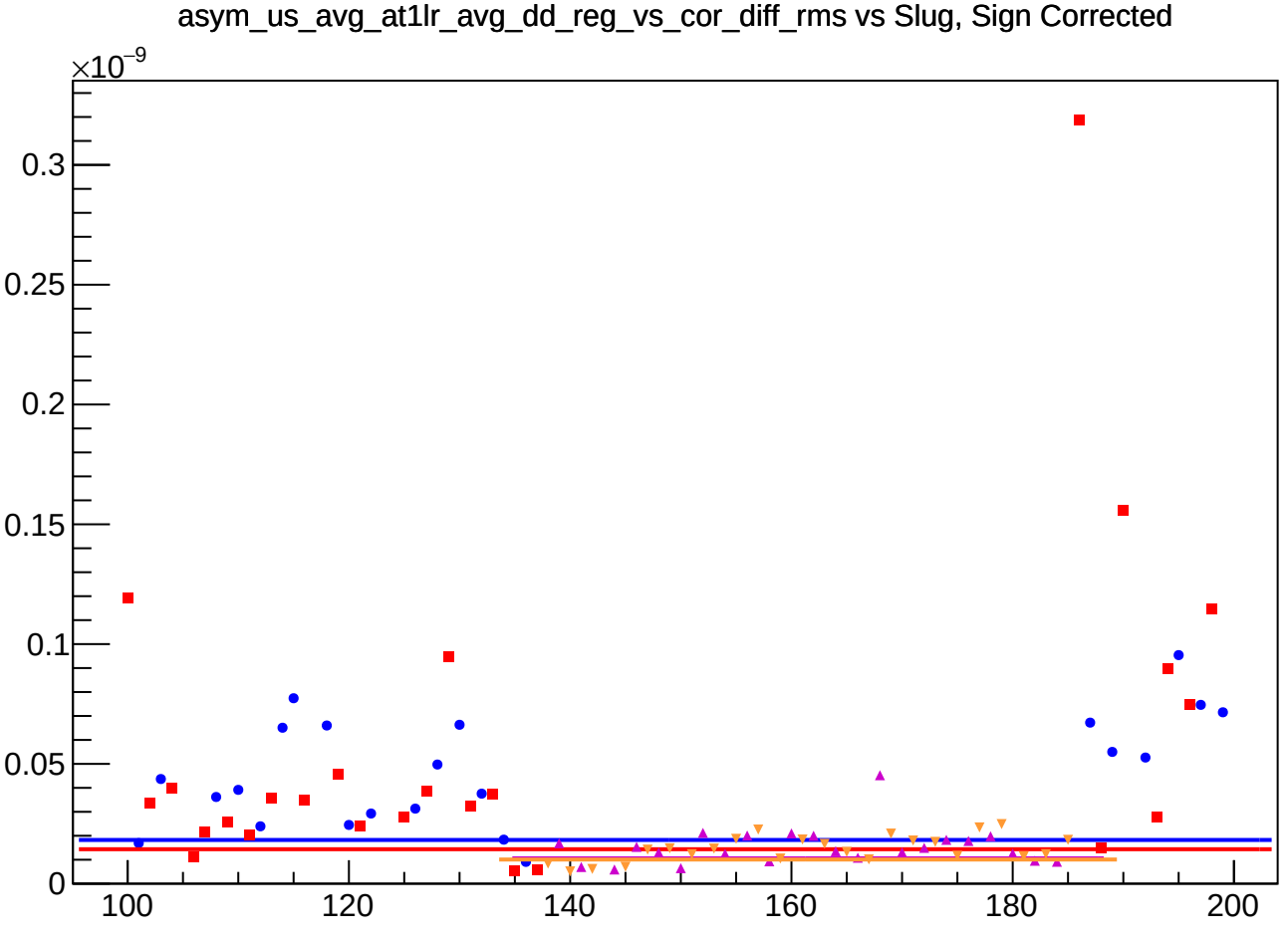
Right: 2028.273+/-0.299 χ^2/NDF: 1766202.0/46

In: 1955.882+/-0.255 χ^2/NDF:1105054.6/44

Out: 1975.612+/-0.253 χ^2/NDF:971549.7/48

All: 1965.826+/-0.180 χ^2/NDF: 2079611.7/93


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: 26.2/21
Left Out: 0.000+/-0.000 χ²/NDF:17.3/23
Right Out: -0.000+/-0.000 χ²/NDF: 25.7/24
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: 54.5/46
In: -0.000+/-0.000 χ²/NDF:45.1/44
Out: 0.000+/-0.000 χ²/NDF:46.5/48
All: 0.000+/-0.000 χ²/NDF: 93.5/93



Right In: 0.000+/-0.000 χ^2/NDF: 3786270.6/21

Left Out: 0.000+/-0.000 χ^2/NDF:2274817.9/23

Right Out: 0.000+/-0.000 χ^2/NDF: 4613696.0/24

Left In: 0.000+/-0.000 χ^2/NDF:2578668.0/22

Left: 0.000+/-0.000 χ^2/NDF: 4866060.2/46

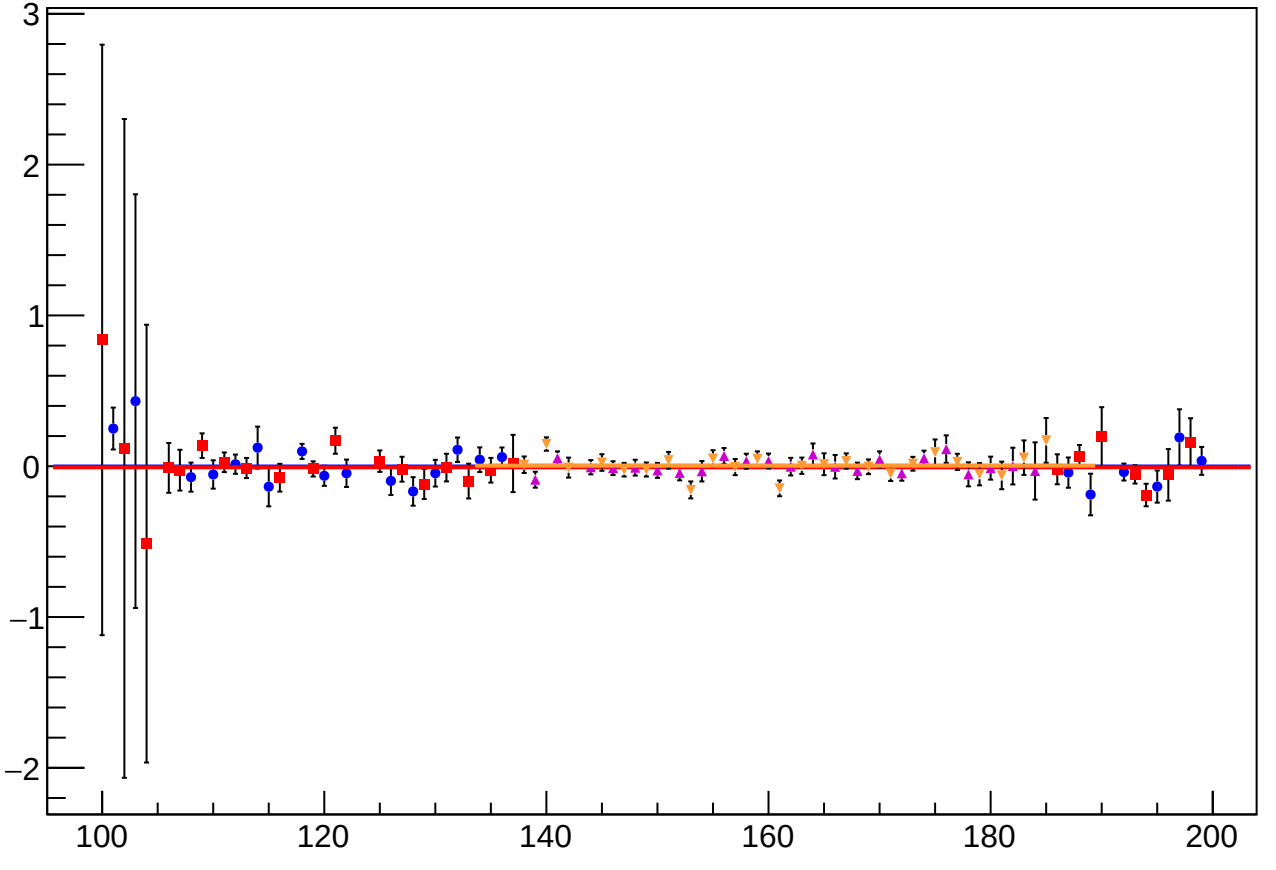
Right: 0.000+/-0.000 χ^2/NDF: 8532055.0/46

In: 0.000+/-0.000 χ^2/NDF:7158689.9/44

Out: 0.000+/-0.000 χ^2/NDF:7201797.5/48

All: 0.000+/-0.000 χ^2/NDF: 14405182.3/93

asym_us_avg_at1lr_avg_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.002+/-0.018 χ^2/NDF: 23.9/21

Left Out: 0.004+/-0.012 χ^2/NDF:35.0/23

Right Out: -0.007+/-0.018 χ^2/NDF: 20.6/24

Left In: 0.003+/-0.012 χ^2/NDF:14.5/22

Left: 0.003+/-0.008 χ^2/NDF: 49.5/46

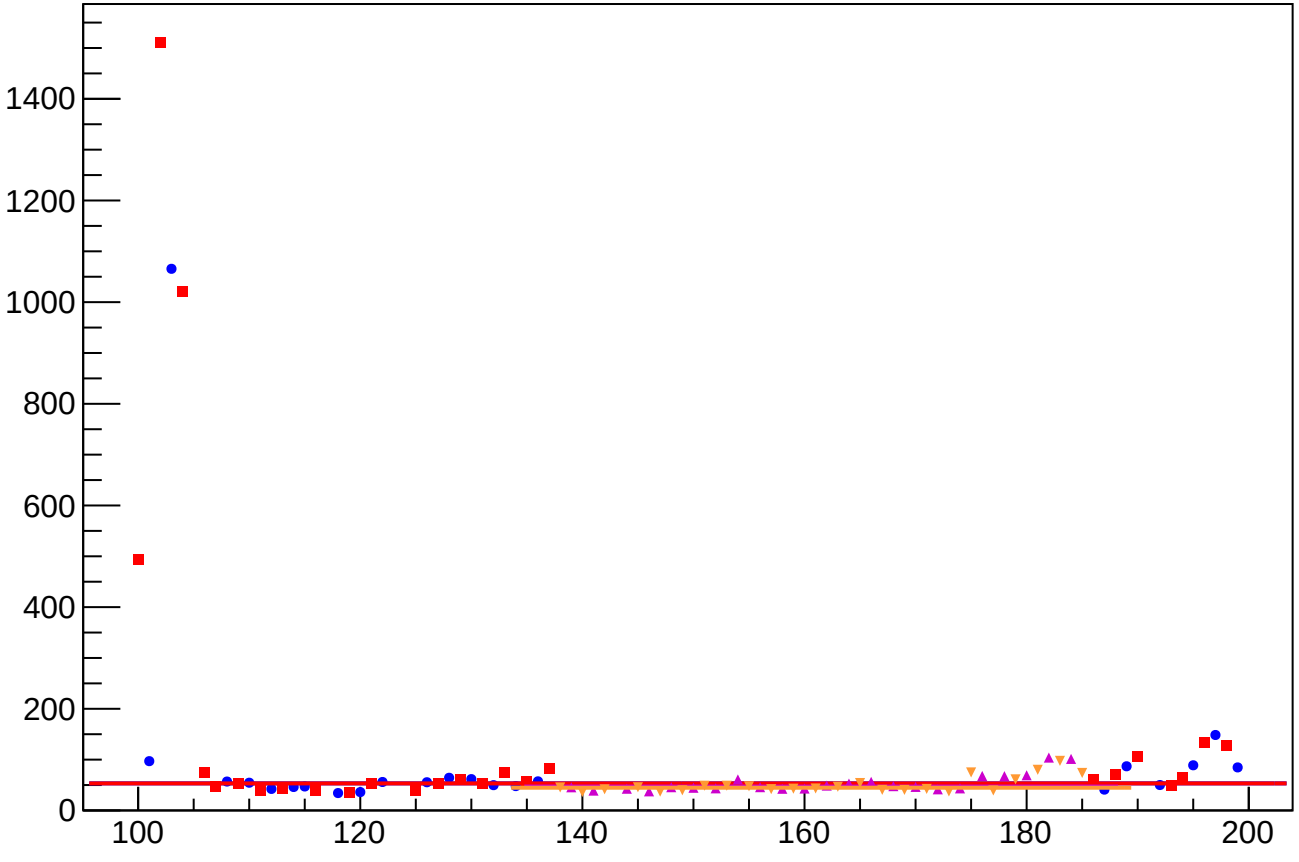
Right: -0.005+/-0.013 χ^2/NDF: 44.6/46

In: 0.001+/-0.010 χ^2/NDF:38.5/44

Out: 0.001+/-0.010 χ^2/NDF:55.9/48

All: 0.001+/-0.007 χ^2/NDF: 94.4/93

asym_us_avg_at1lr_avg_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 53.296+/-0.013 χ^2/NDF: 2975642.2/21

Left Out: 44.733+/-0.008 χ^2/NDF:1481436.4/23

Right Out: 53.203+/-0.013 χ^2/NDF: 3755895.7/24

Left In: 47.033+/-0.008 χ^2/NDF:1383050.4/22

Left: 45.841+/-0.006 χ^2/NDF: 2902954.4/46

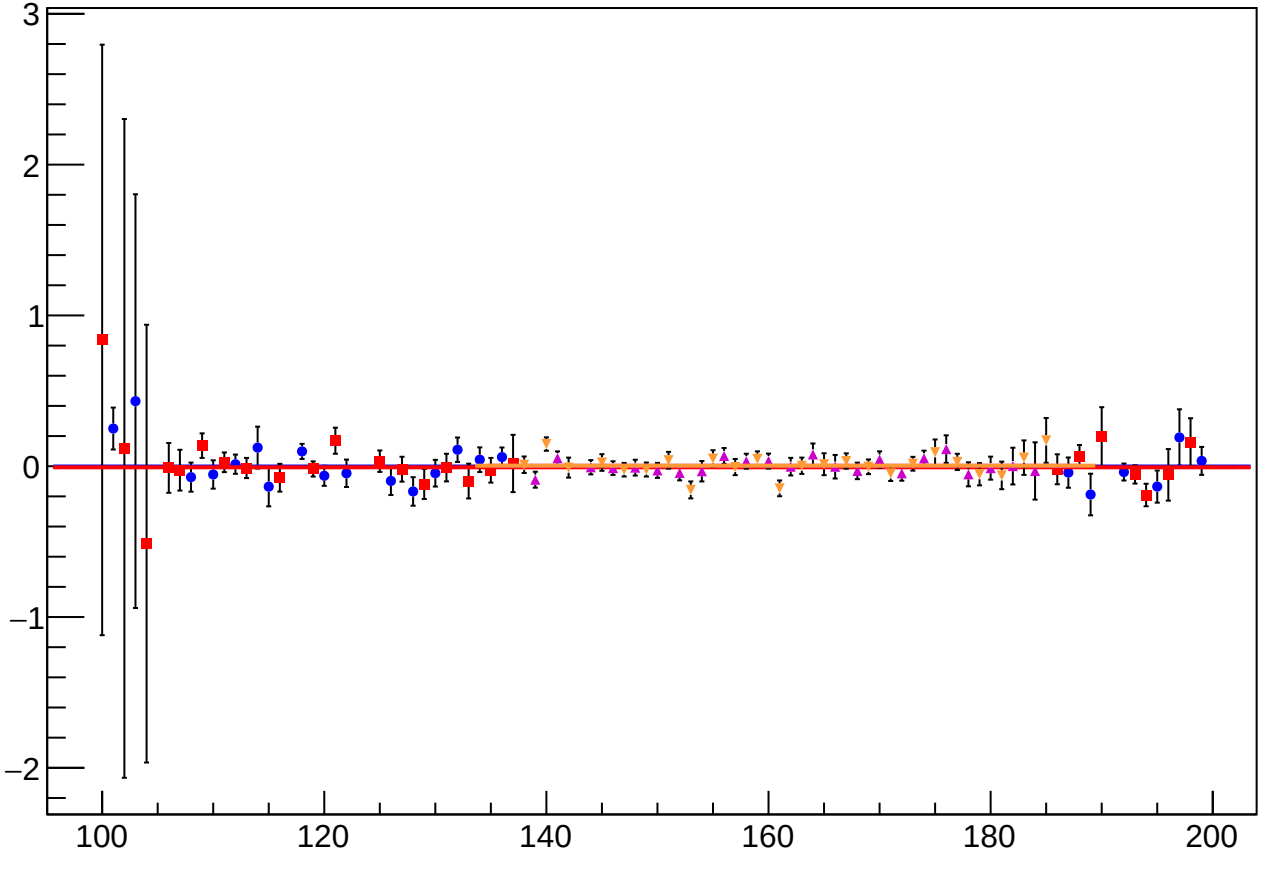
Right: 53.249+/-0.009 χ^2/NDF: 6731563.9/46

In: 48.900+/-0.007 χ^2/NDF:4522722.8/44

Out: 47.138+/-0.007 χ^2/NDF:5545015.7/48

All: 47.995+/-0.005 χ^2/NDF: 10099605.0/93

asym_us_avg_at1lr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.002+/-0.018 χ^2/NDF: 23.9/21

Left Out: 0.004+/-0.012 χ^2/NDF:35.0/23

Right Out: -0.007+/-0.018 χ^2/NDF: 20.6/24

Left In: 0.003+/-0.012 χ^2/NDF:14.5/22

Left: 0.003+/-0.008 χ^2/NDF: 49.5/46

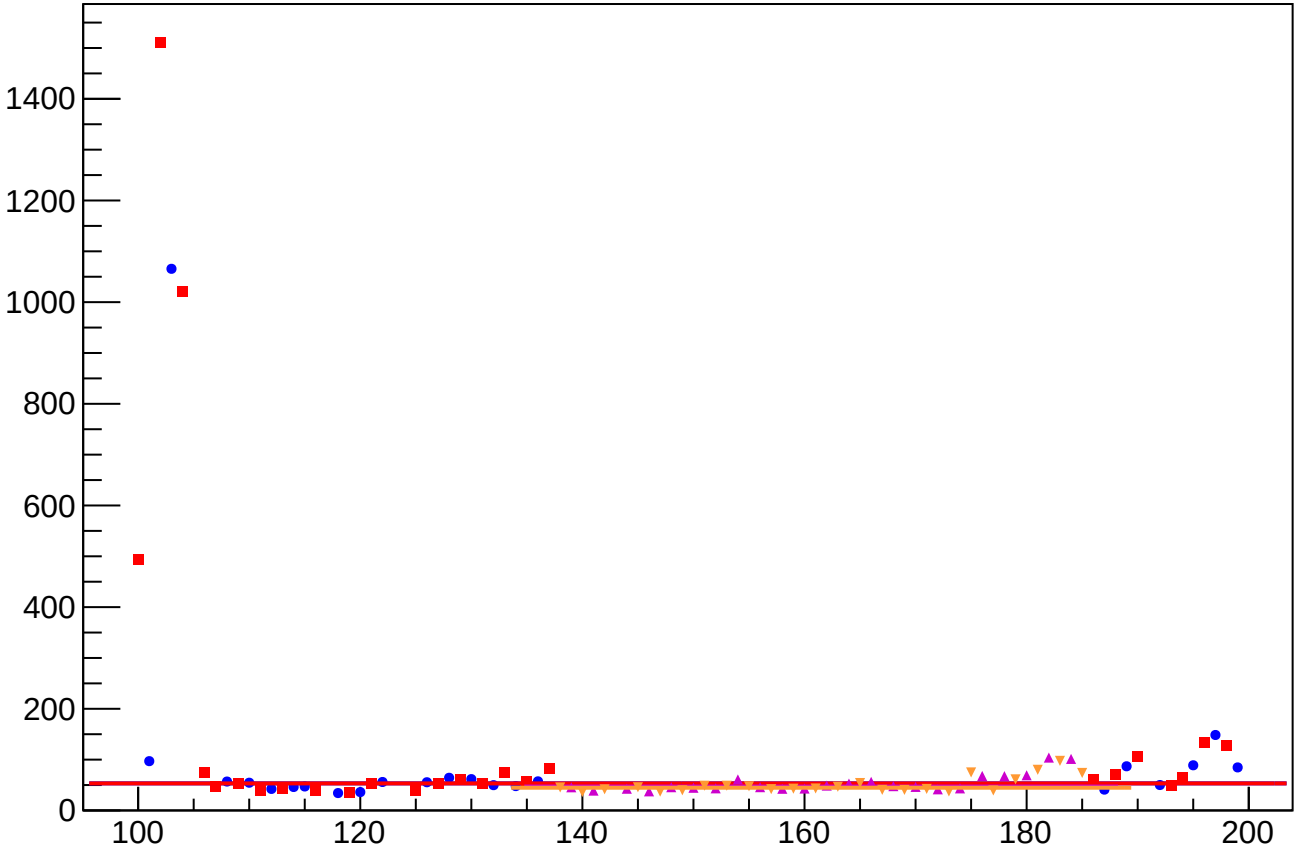
Right: -0.005+/-0.013 χ^2/NDF: 44.6/46

In: 0.001+/-0.010 χ^2/NDF:38.5/44

Out: 0.001+/-0.010 χ^2/NDF:55.9/48

All: 0.001+/-0.007 χ^2/NDF: 94.4/93

asym_us_avg_at1lr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 53.296+/-0.013 χ^2/NDF: 2975642.2/21

Left Out: 44.733+/-0.008 χ^2/NDF:1481436.4/23

Right Out: 53.203+/-0.013 χ^2/NDF: 3755895.7/24

Left In: 47.033+/-0.008 χ^2/NDF:1383050.4/22

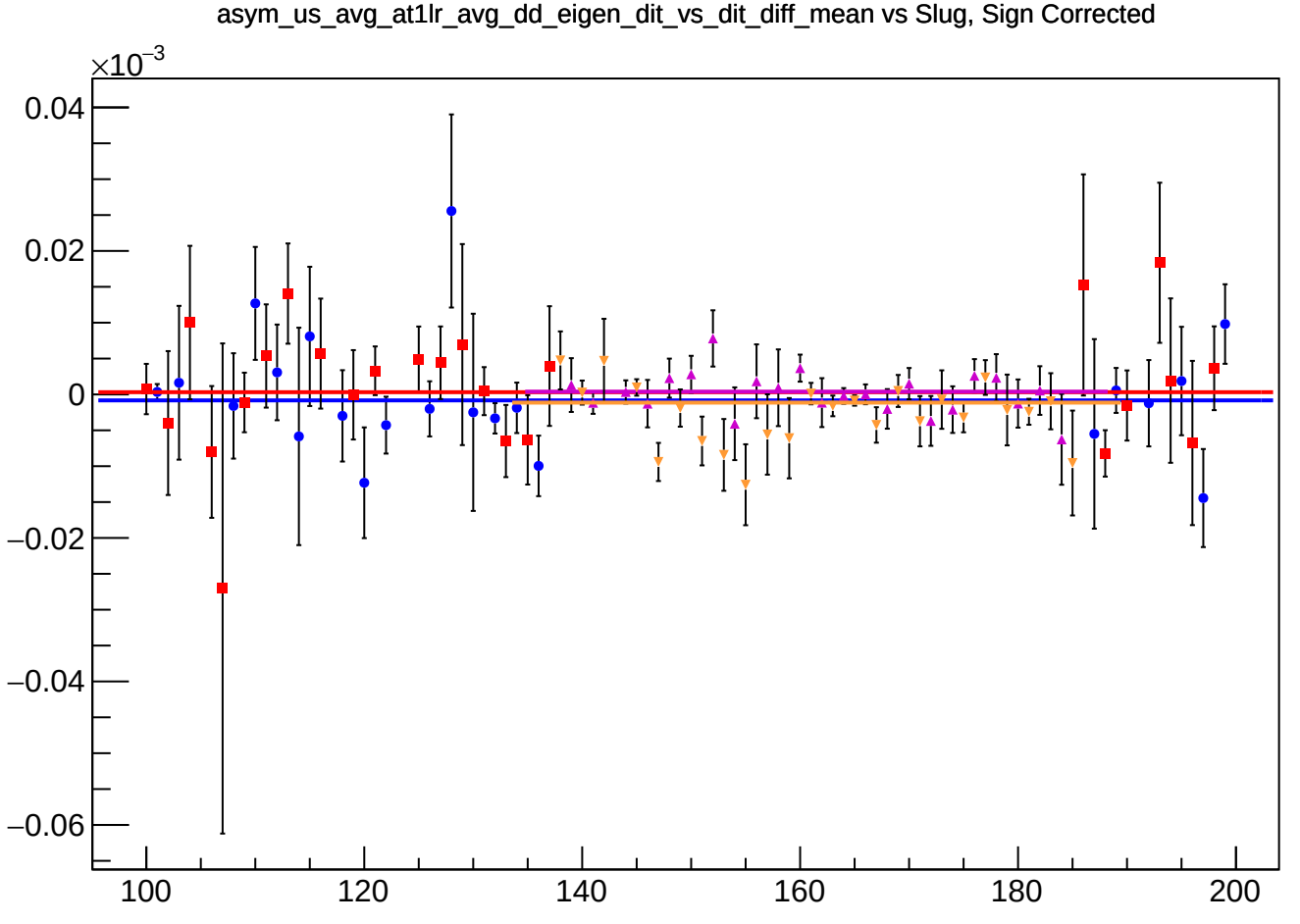
Left: 45.841+/-0.006 χ^2/NDF: 2902954.4/46

Right: 53.249+/-0.009 χ^2/NDF: 6731563.9/46

In: 48.900+/-0.007 χ^2/NDF:4522722.8/44

Out: 47.138+/-0.007 χ^2/NDF:5545015.7/48

All: 47.995+/-0.005 χ^2/NDF: 10099605.0/93



Right In: -0.000+/-0.000 χ^2/NDF: 26.8/21

Left Out: -0.000+/-0.000 χ^2/NDF:35.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 24.7/24

Left In: 0.000+/-0.000 χ^2/NDF:16.3/22

Left: -0.000+/-0.000 χ^2/NDF: 57.8/46

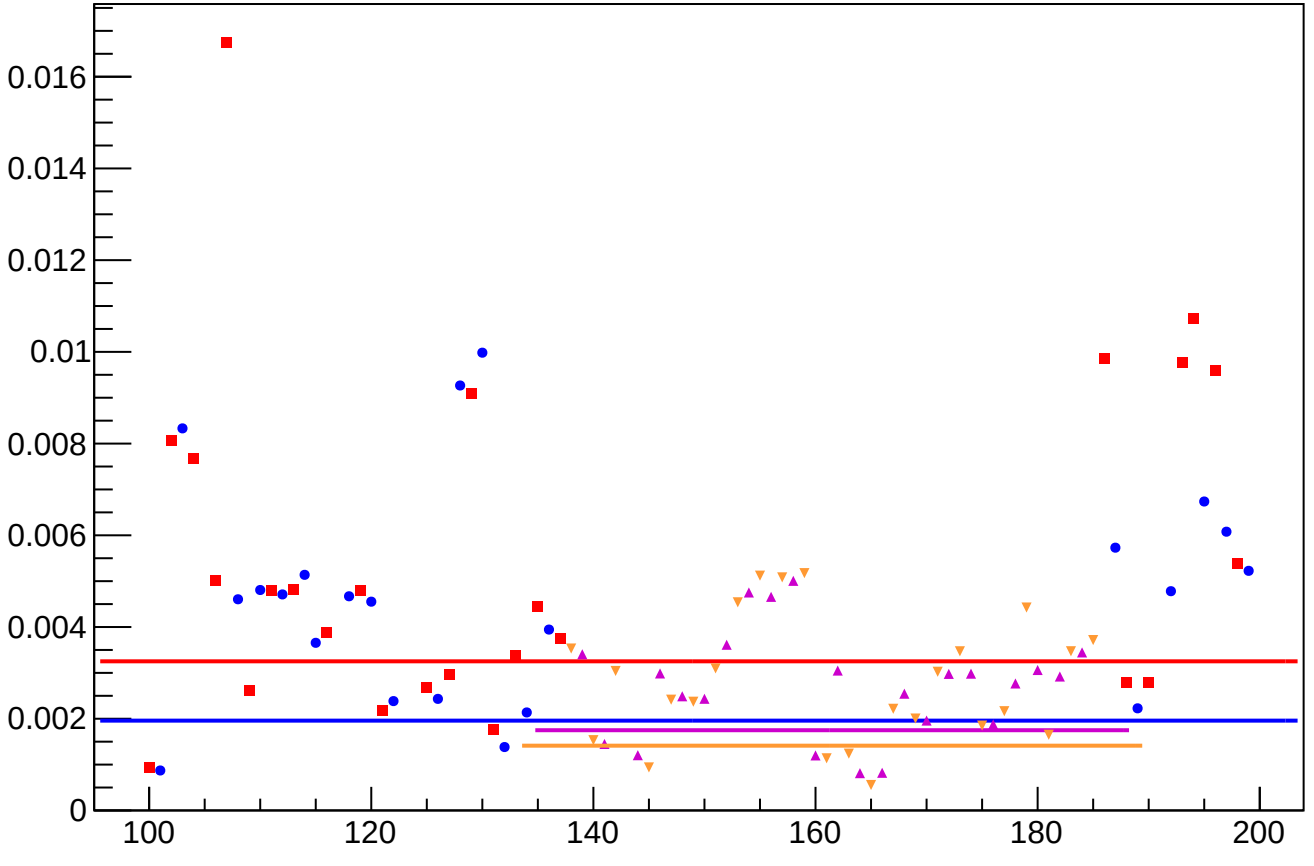
Right: -0.000+/-0.000 χ^2/NDF: 52.2/46

In: 0.000+/-0.000 χ^2/NDF:44.9/44

Out: -0.000+/-0.000 χ^2/NDF:61.9/48

All: -0.000+/-0.000 χ^2/NDF: 109.9/93

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: 9026229.4/21

Left Out: 0.001+/-0.000 χ^2/NDF:11586658.8/23

Right Out: 0.003+/-0.000 χ^2/NDF: 6331307.1/24

Left In: 0.002+/-0.000 χ^2/NDF:8238945.3/22

Left: 0.002+/-0.000 χ^2/NDF: 20381149.0/46

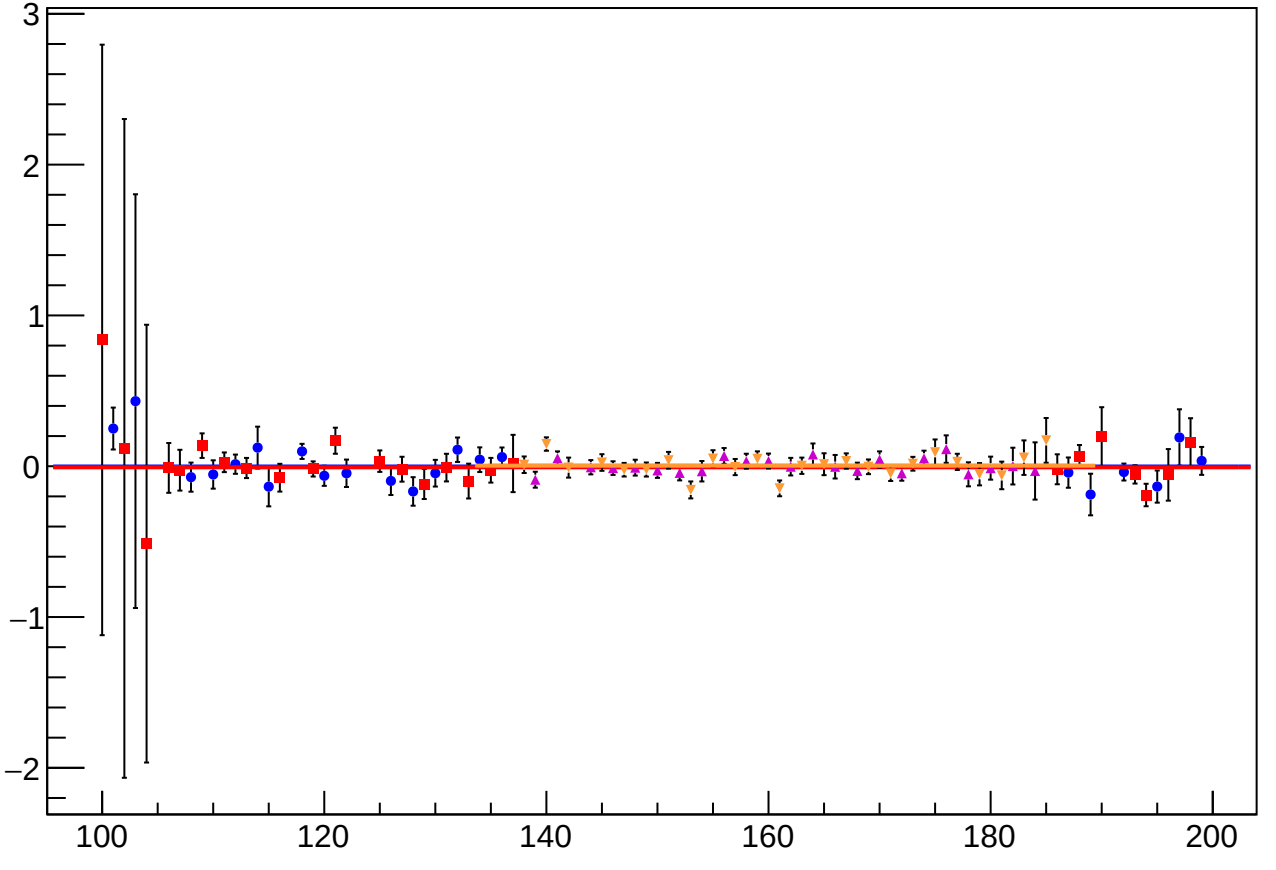
Right: 0.002+/-0.000 χ^2/NDF: 17157400.1/46

In: 0.002+/-0.000 χ^2/NDF:17368817.2/44

Out: 0.002+/-0.000 χ^2/NDF:22668770.2/48

All: 0.002+/-0.000 χ^2/NDF: 40239063.6/93

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.002+/-0.018 χ^2/NDF: 23.9/21

Left Out: 0.004+/-0.012 χ^2/NDF:35.0/23

Right Out: -0.007+/-0.018 χ^2/NDF: 20.6/24

Left In: 0.003+/-0.012 χ^2/NDF:14.5/22

Left: 0.003+/-0.008 χ^2/NDF: 49.5/46

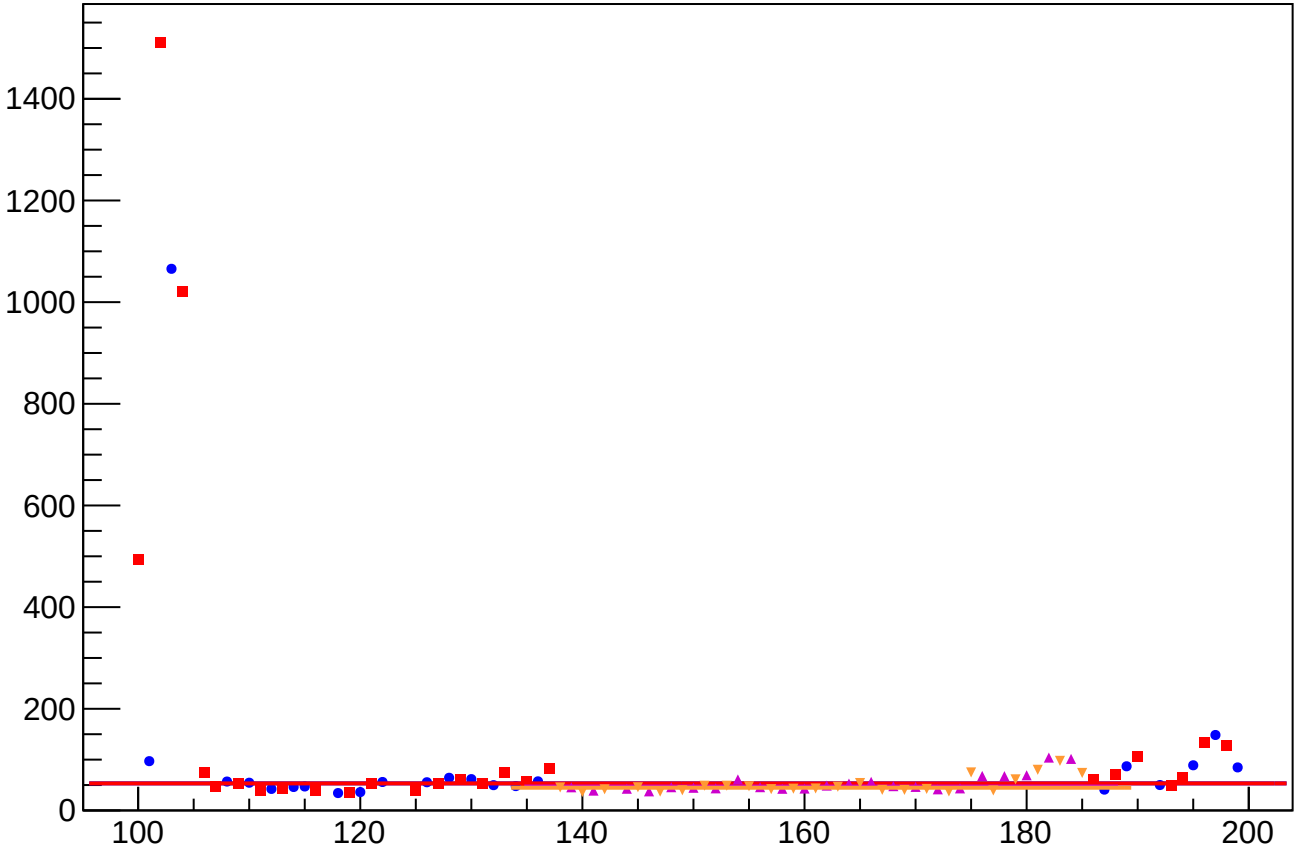
Right: -0.005+/-0.013 χ^2/NDF: 44.6/46

In: 0.001+/-0.010 χ^2/NDF:38.5/44

Out: 0.001+/-0.010 χ^2/NDF:55.9/48

All: 0.001+/-0.007 χ^2/NDF: 94.4/93

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 53.295+/-0.013 χ^2/NDF: 2975588.6/21

Left Out: 44.733+/-0.008 χ^2/NDF:1481436.0/23

Right Out: 53.202+/-0.013 χ^2/NDF: 3755978.6/24

Left In: 47.033+/-0.008 χ^2/NDF:1383121.1/22

Left: 45.840+/-0.006 χ^2/NDF: 2903011.0/46

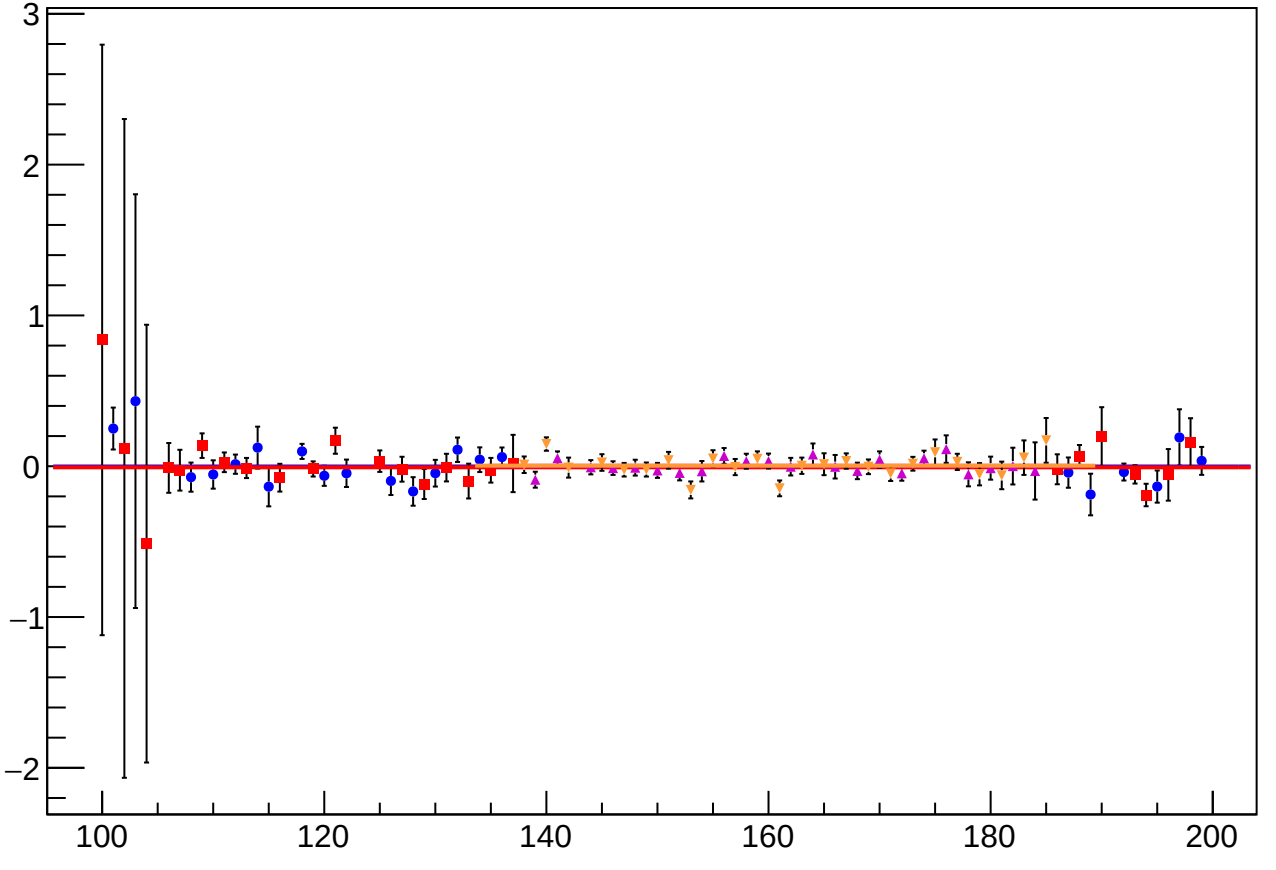
Right: 53.248+/-0.009 χ^2/NDF: 6731593.4/46

In: 48.900+/-0.007 χ^2/NDF:4522736.2/44

Out: 47.138+/-0.007 χ^2/NDF:5545026.3/48

All: 47.995+/-0.005 χ^2/NDF: 10099622.6/93

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.002+/-0.018 χ^2/NDF: 23.9/21

Left Out: 0.004+/-0.012 χ^2/NDF:35.0/23

Right Out: -0.007+/-0.018 χ^2/NDF: 20.6/24

Left In: 0.003+/-0.012 χ^2/NDF:14.5/22

Left: 0.003+/-0.008 χ^2/NDF: 49.5/46

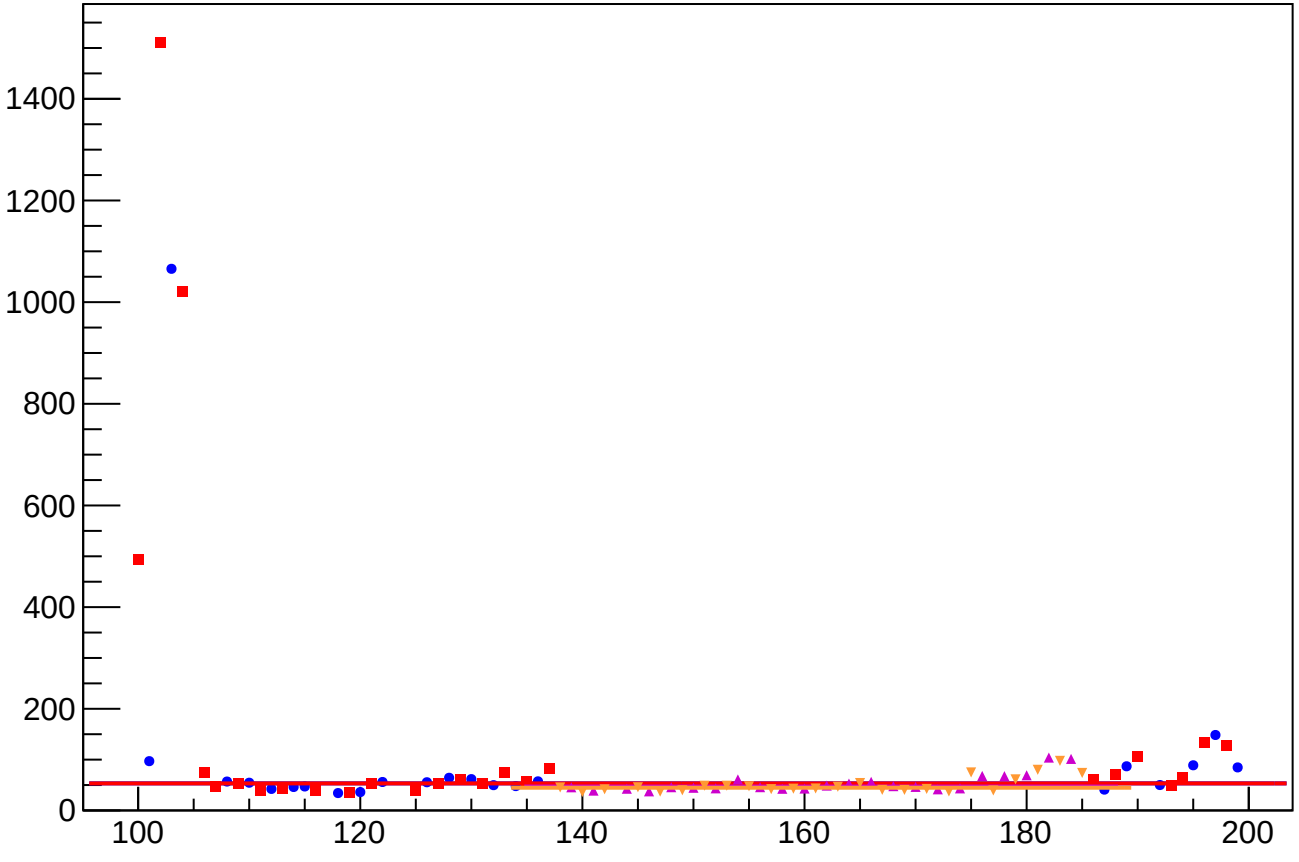
Right: -0.005+/-0.013 χ^2/NDF: 44.6/46

In: 0.001+/-0.010 χ^2/NDF:38.5/44

Out: 0.001+/-0.010 χ^2/NDF:55.9/48

All: 0.001+/-0.007 χ^2/NDF: 94.4/93

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 53.295+/-0.013 χ^2/NDF: 2975588.6/21

Left Out: 44.733+/-0.008 χ^2/NDF:1481436.0/23

Right Out: 53.202+/-0.013 χ^2/NDF: 3755978.6/24

Left In: 47.033+/-0.008 χ^2/NDF:1383121.1/22

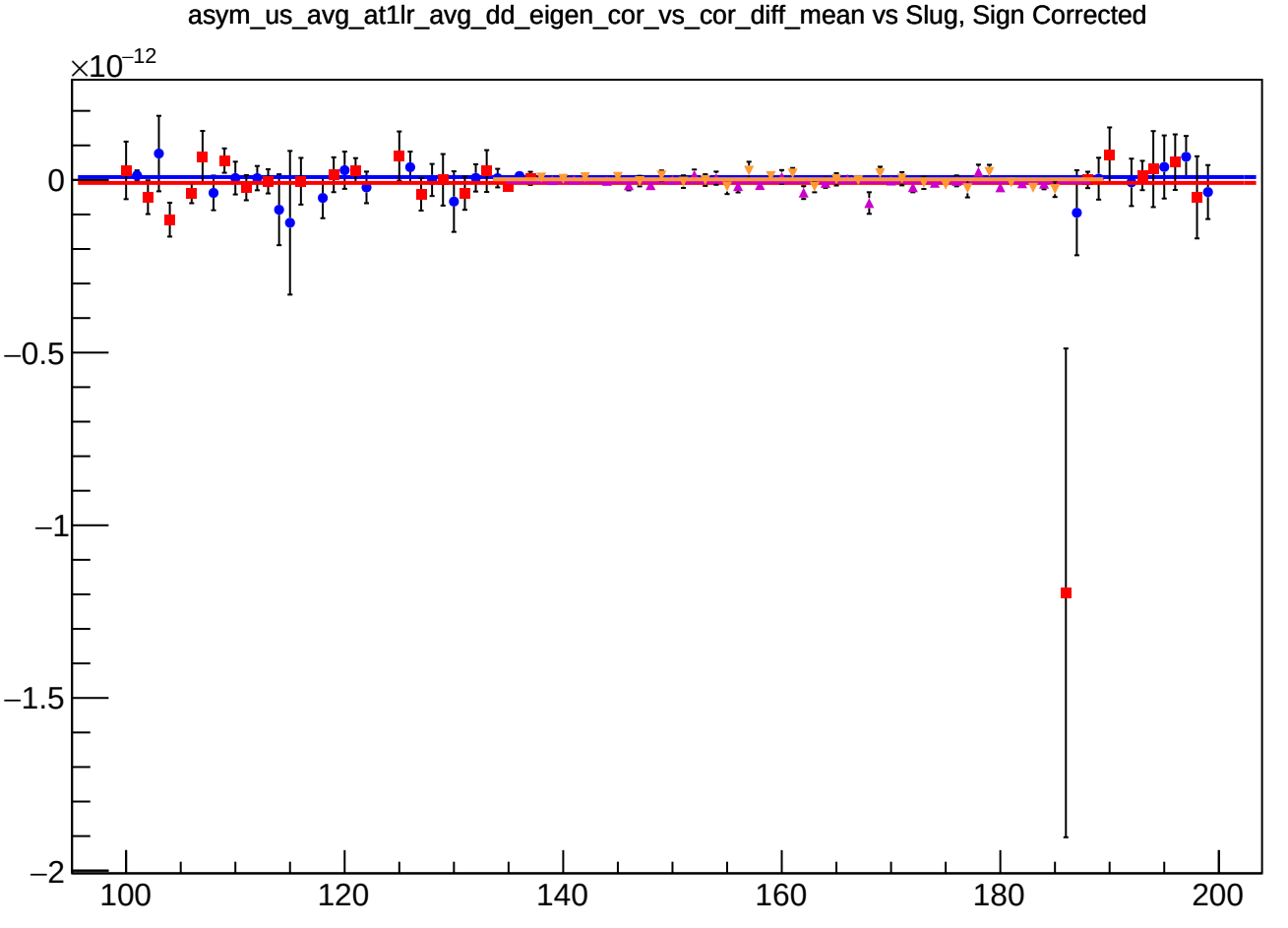
Left: 45.840+/-0.006 χ^2/NDF: 2903011.0/46

Right: 53.248+/-0.009 χ^2/NDF: 6731593.4/46

In: 48.900+/-0.007 χ^2/NDF:4522736.2/44

Out: 47.138+/-0.007 χ^2/NDF:5545026.3/48

All: 47.995+/-0.005 χ^2/NDF: 10099622.6/93



Right In: 0.000+/-0.000 χ^2/NDF: 7.5/21

Left Out: 0.000+/-0.000 χ^2/NDF:20.6/23

Right Out: -0.000+/-0.000 χ^2/NDF: 21.3/24

Left In: -0.000+/-0.000 χ^2/NDF:17.9/22

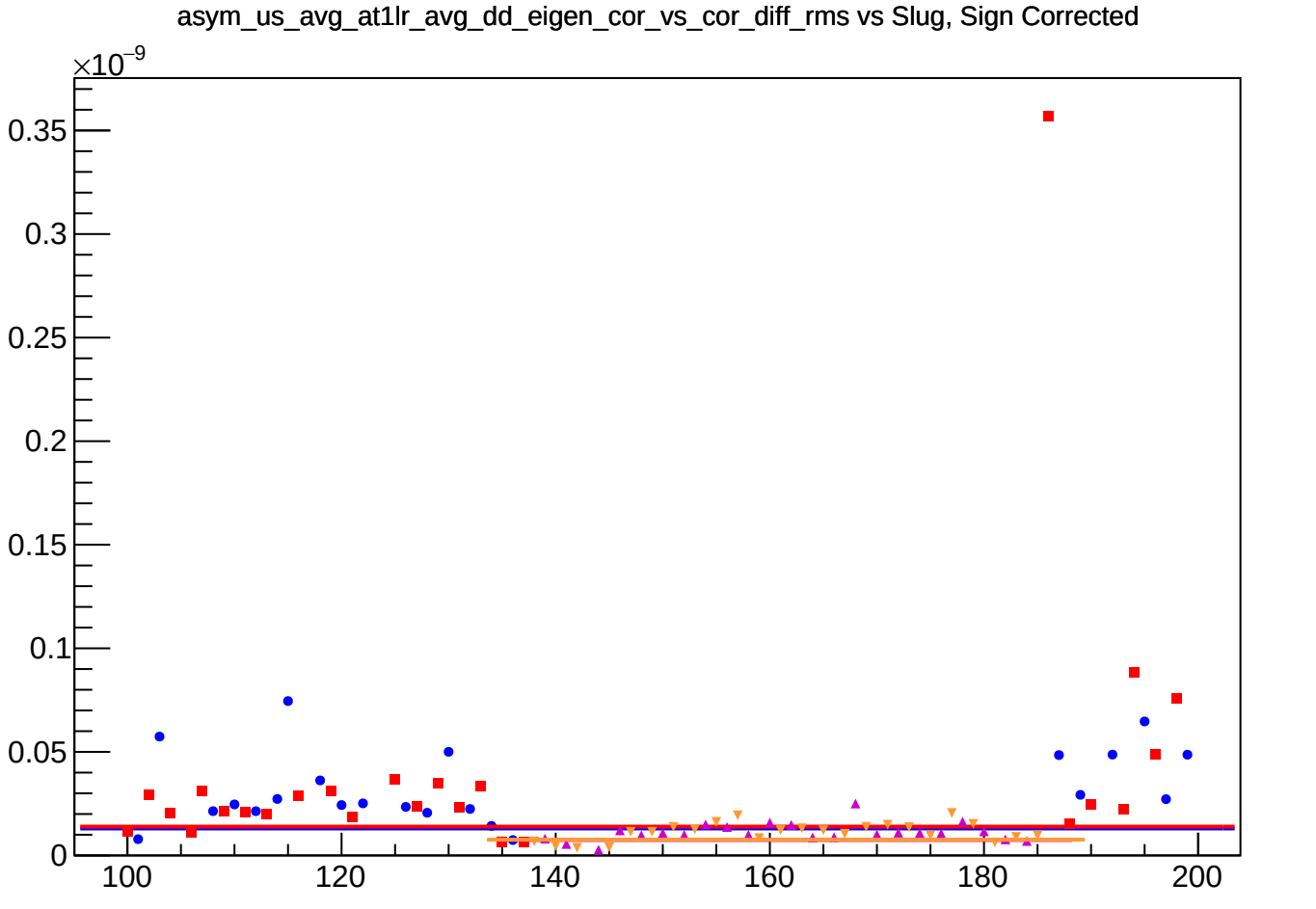
Left: -0.000+/-0.000 χ^2/NDF: 42.7/46

Right: 0.000+/-0.000 χ^2/NDF: 32.2/46

In: -0.000+/-0.000 χ^2/NDF:29.2/44

Out: 0.000+/-0.000 χ^2/NDF:44.1/48

All: -0.000+/-0.000 χ^2/NDF: 75.0/93



Right In: 0.000+/-0.000 χ^2/NDF: 5003549.2/21

Left Out: 0.000+/-0.000 χ^2/NDF:5568430.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 5412511.6/24

Left In: 0.000+/-0.000 χ^2/NDF:5978033.2/22

Left: 0.000+/-0.000 χ^2/NDF: 11550721.9/46

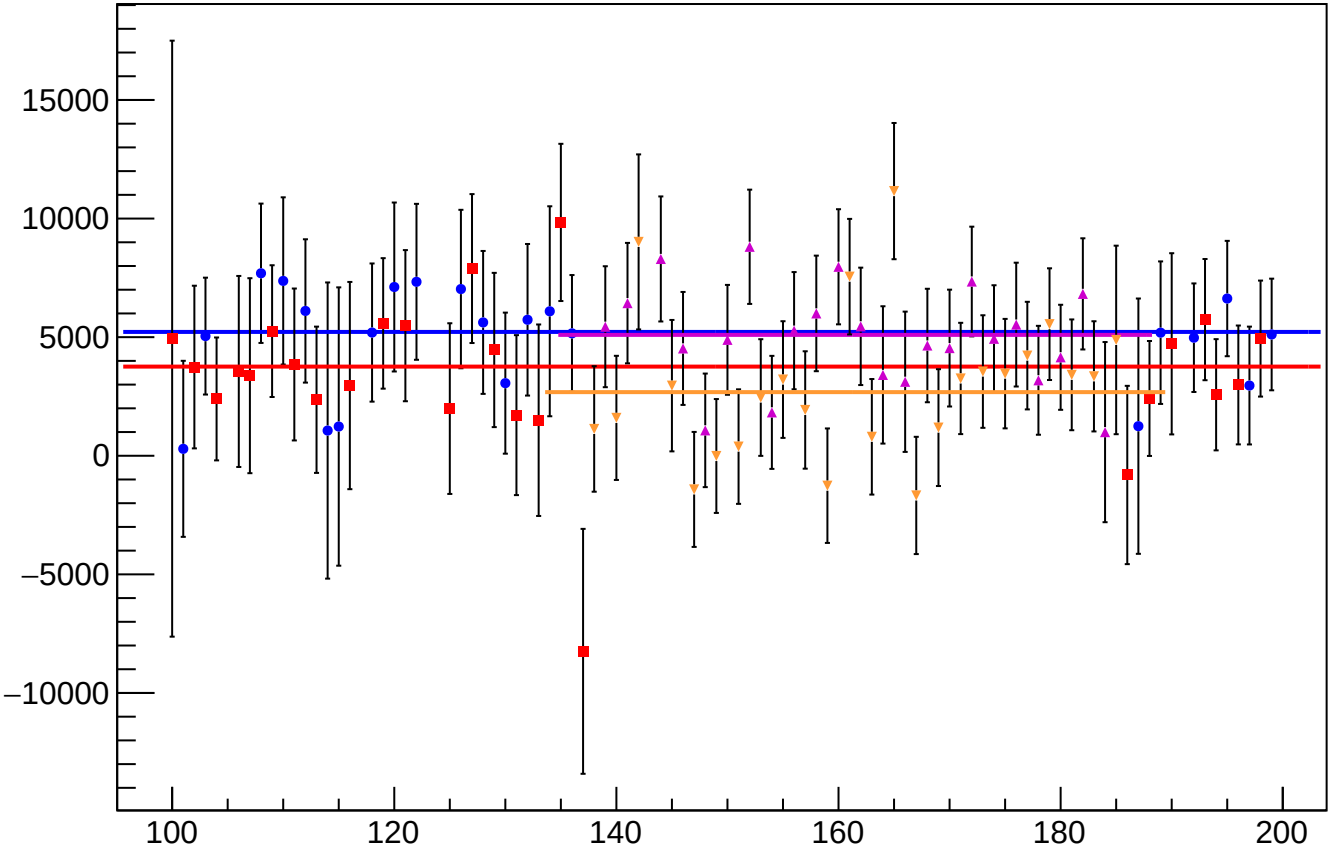
Right: 0.000+/-0.000 χ^2/NDF: 10435069.1/46

In: 0.000+/-0.000 χ^2/NDF:12266310.0/44

Out: 0.000+/-0.000 χ^2/NDF:12532830.9/48

All: 0.000+/-0.000 χ^2/NDF: 24807774.9/93

reg_asym_us_avg_at2lr_avg_avg_mean vs Slug, Sign Corrected



Right In: 5221.034+/-650.562 χ^2/NDF: 7.2/21

Left Out: 2682.870+/-512.020 χ^2/NDF:30.8/23

Right Out: 3759.150+/-632.567 χ^2/NDF: 16.1/24

Left In: 5096.427+/-516.232 χ^2/NDF:14.9/22

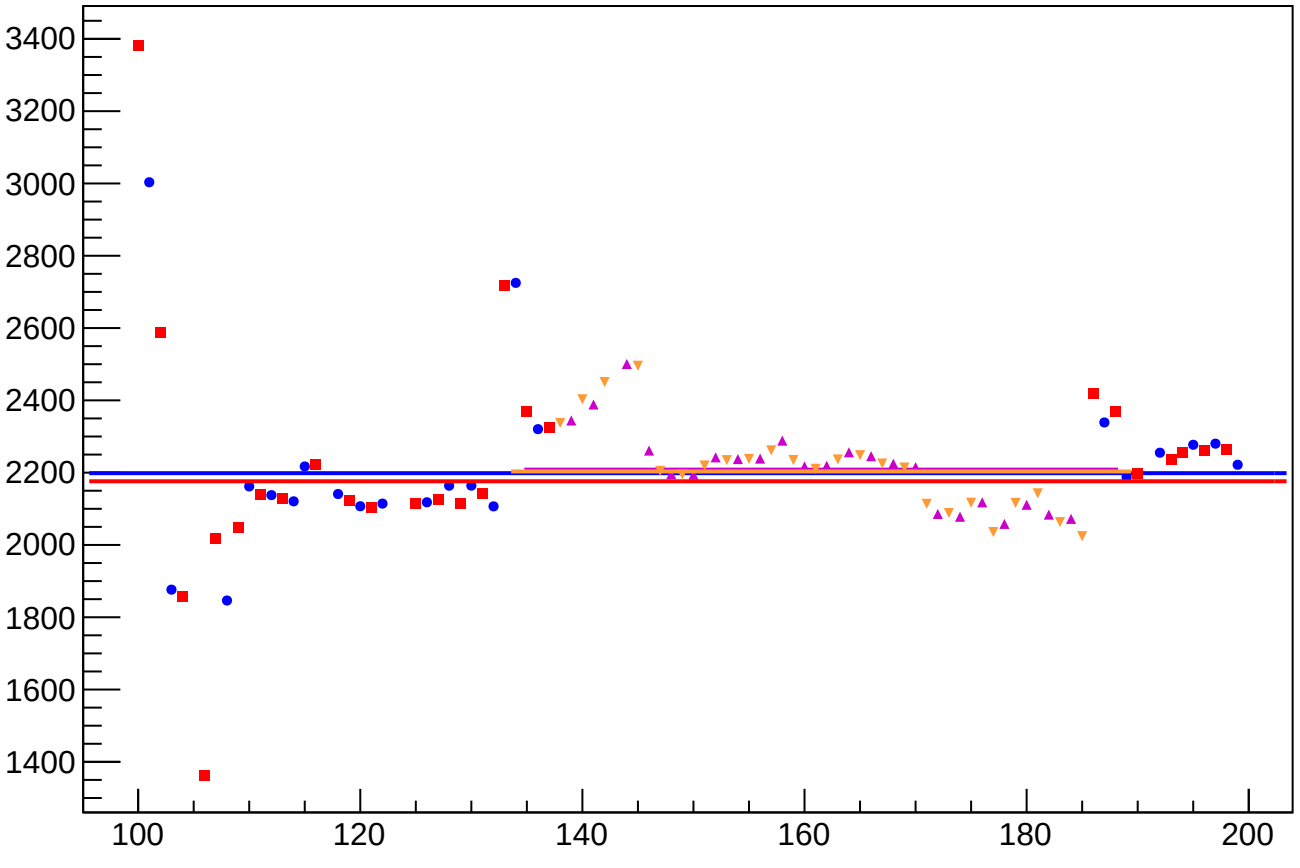
Left: 3879.762+/-363.533 χ^2/NDF: 56.8/46

Right: 4469.594+/-453.521 χ^2/NDF: 25.8/46

In: 5144.572+/-404.385 χ^2/NDF:22.1/44

Out: 3108.901+/-397.983 χ^2/NDF:48.6/48

All: 4110.494+/-283.653 χ^2/NDF: 83.6/93



Right In: 2198.570+/-0.460 χ^2/NDF: 205412.9/21

Left Out: 2203.297+/-0.362 χ^2/NDF:88208.3/23

Right Out: 2176.137+/-0.443 χ^2/NDF: 310440.9/24

Left In: 2208.379+/-0.365 χ^2/NDF:80994.3/22

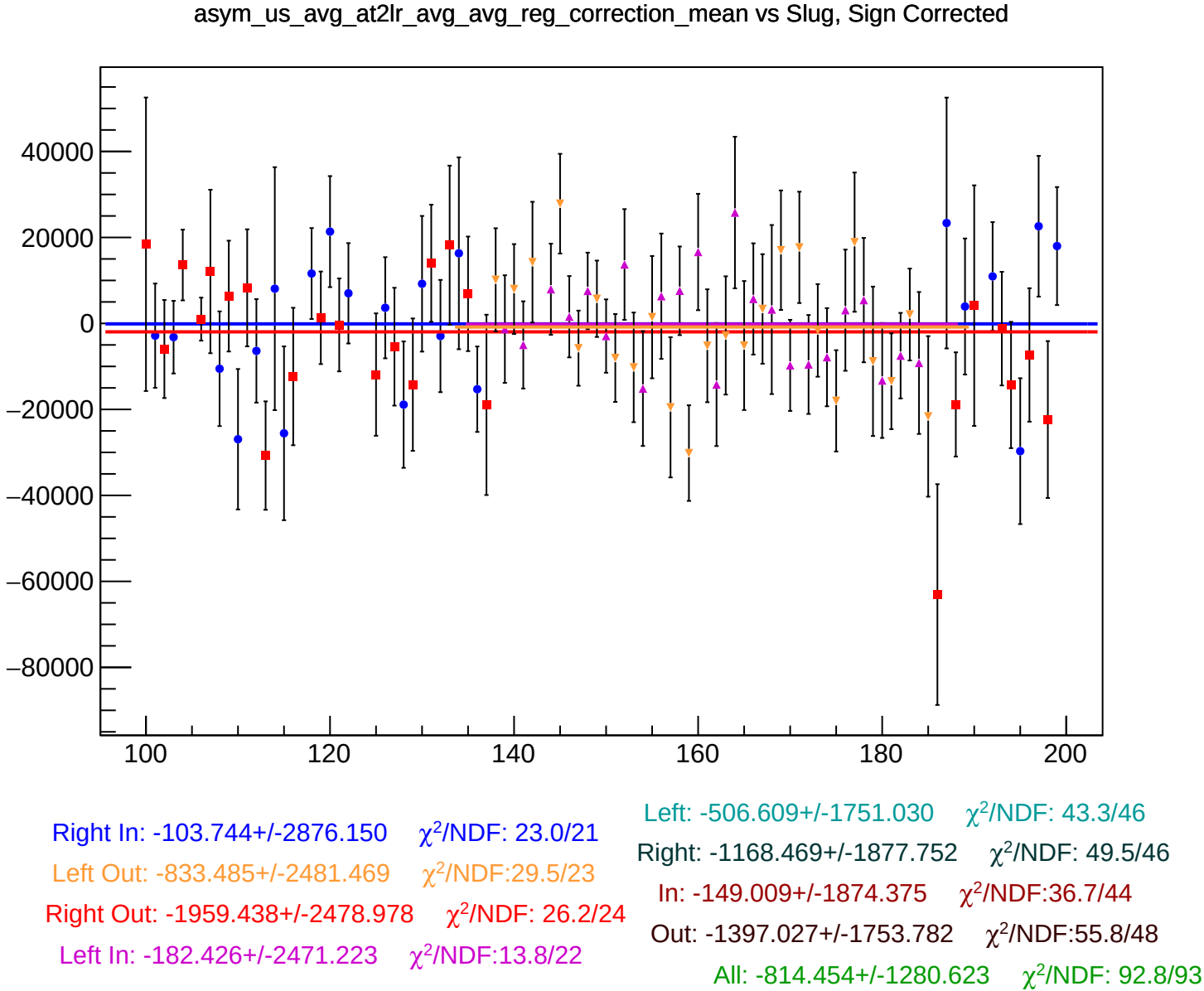
Left: 2205.817+/-0.257 χ^2/NDF: 169300.4/46

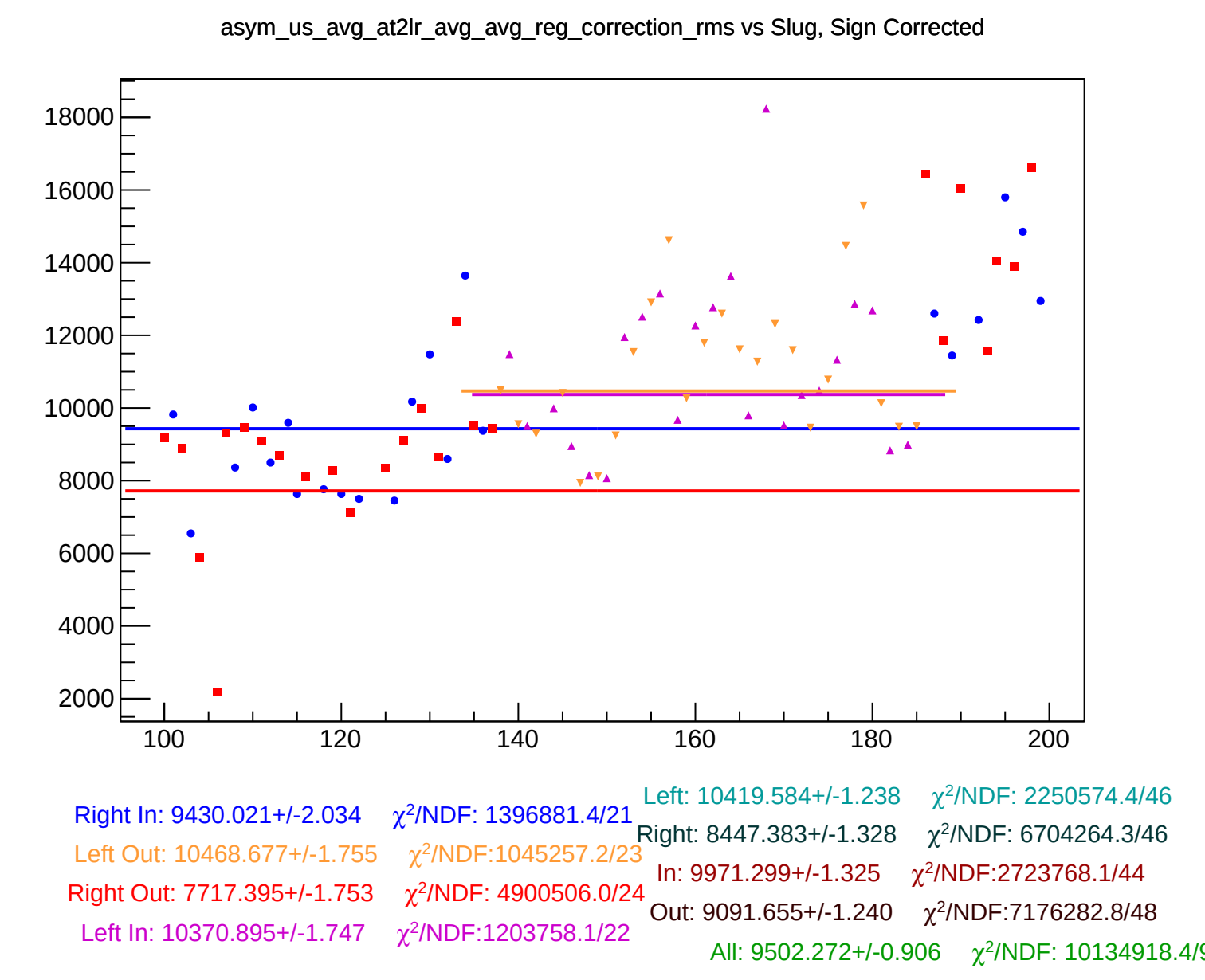
Right: 2186.929+/-0.319 χ^2/NDF: 517087.8/46

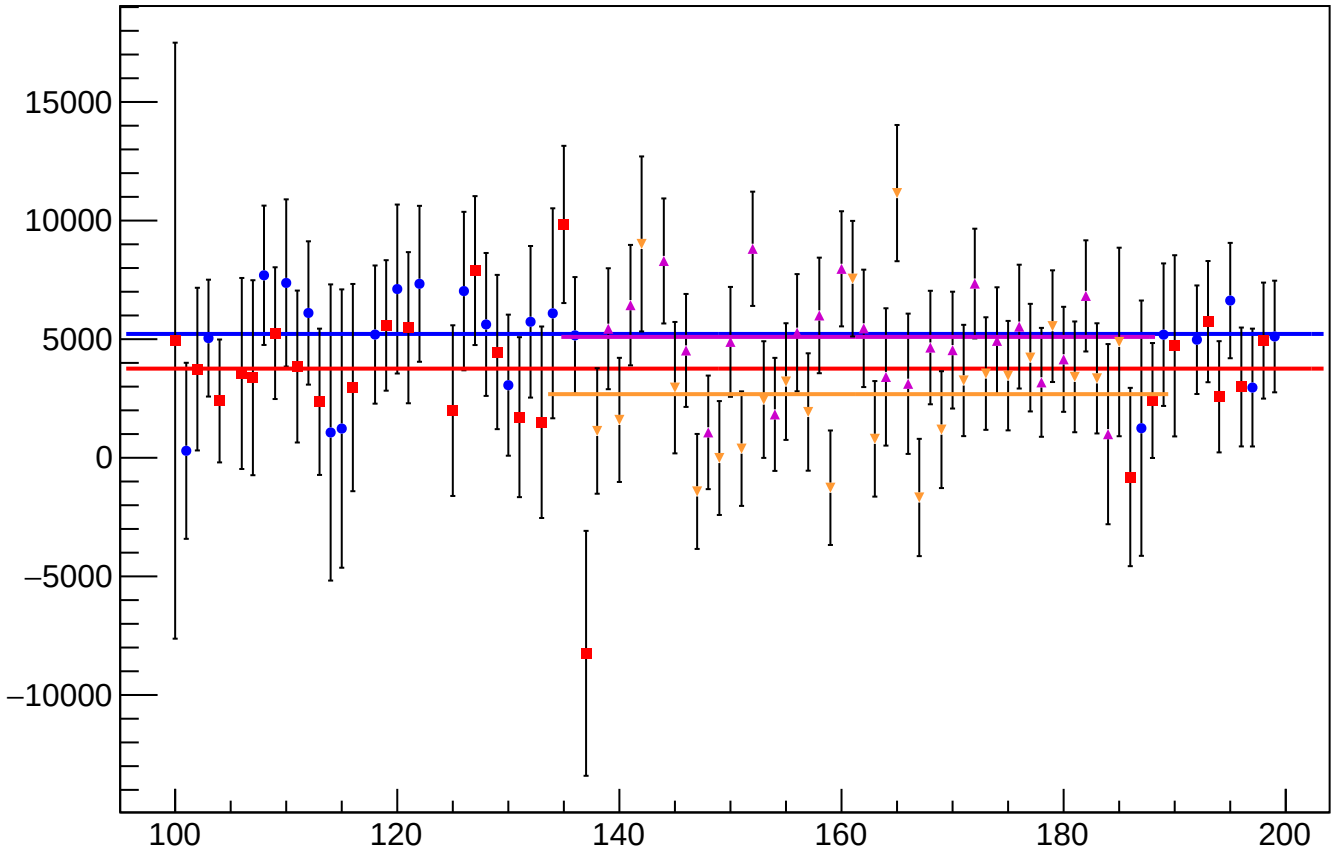
In: 2204.589+/-0.286 χ^2/NDF:286686.2/44

Out: 2192.418+/-0.280 χ^2/NDF:400903.2/48

All: 2198.382+/-0.200 χ^2/NDF: 688513.3/93


asym_us_avg_at2lr_avg_avg_reg_correction_mean vs Slug, Sign Corrected
40000
20000
0
−20000
−40000
−60000
−80000
100
120
140
160
180
200
Right In: -103.744+/-2876.150 χ²/NDF: 23.0/21
Left Out: -833.485+/-2481.469 χ²/NDF:29.5/23
Right Out: -1959.438+/-2478.978 χ²/NDF: 26.2/24
Left In: -182.426+/-2471.223 χ²/NDF:13.8/22
Left: -506.609+/-1751.030 χ²/NDF: 43.3/46
Right: -1168.469+/-1877.752 χ²/NDF: 49.5/46
In: -149.009+/-1874.375 χ²/NDF:36.7/44
Out: -1397.027+/-1753.782 χ²/NDF:55.8/48
All: -814.454+/-1280.623 χ²/NDF: 92.8/93


asym_us_avg_at2lr_avg_avg_reg_correction_rms vs Slug, Sign Corrected
18000
16000
14000
12000
10000
8000
6000
4000
2000
100
120
140
160
180
200
Right In: 9430.021+/-2.034 χ²/NDF: 1396881.4/21
Left Out: 10468.677+/-1.755 χ²/NDF:1045257.2/23
Right Out: 7717.395+/-1.753 χ²/NDF: 4900506.0/24
Left In: 10370.895+/-1.747 χ²/NDF:1203758.1/22
Left: 10419.584+/-1.238 χ²/NDF: 2250574.4/46
Right: 8447.383+/-1.328 χ²/NDF: 6704264.3/46
In: 9971.299+/-1.325 χ²/NDF:2723768.1/44
Out: 9091.655+/-1.240 χ²/NDF:7176282.8/48
All: 9502.272+/-0.906 χ²/NDF: 10134918.4/9



Right In: 5221.141+/-650.562 χ^2/NDF: 7.2/21

Left Out: 2682.792+/-512.020 χ^2/NDF:30.8/23

Right Out: 3758.993+/-632.567 χ^2/NDF: 16.1/24

Left In: 5096.334+/-516.232 χ^2/NDF:14.9/22

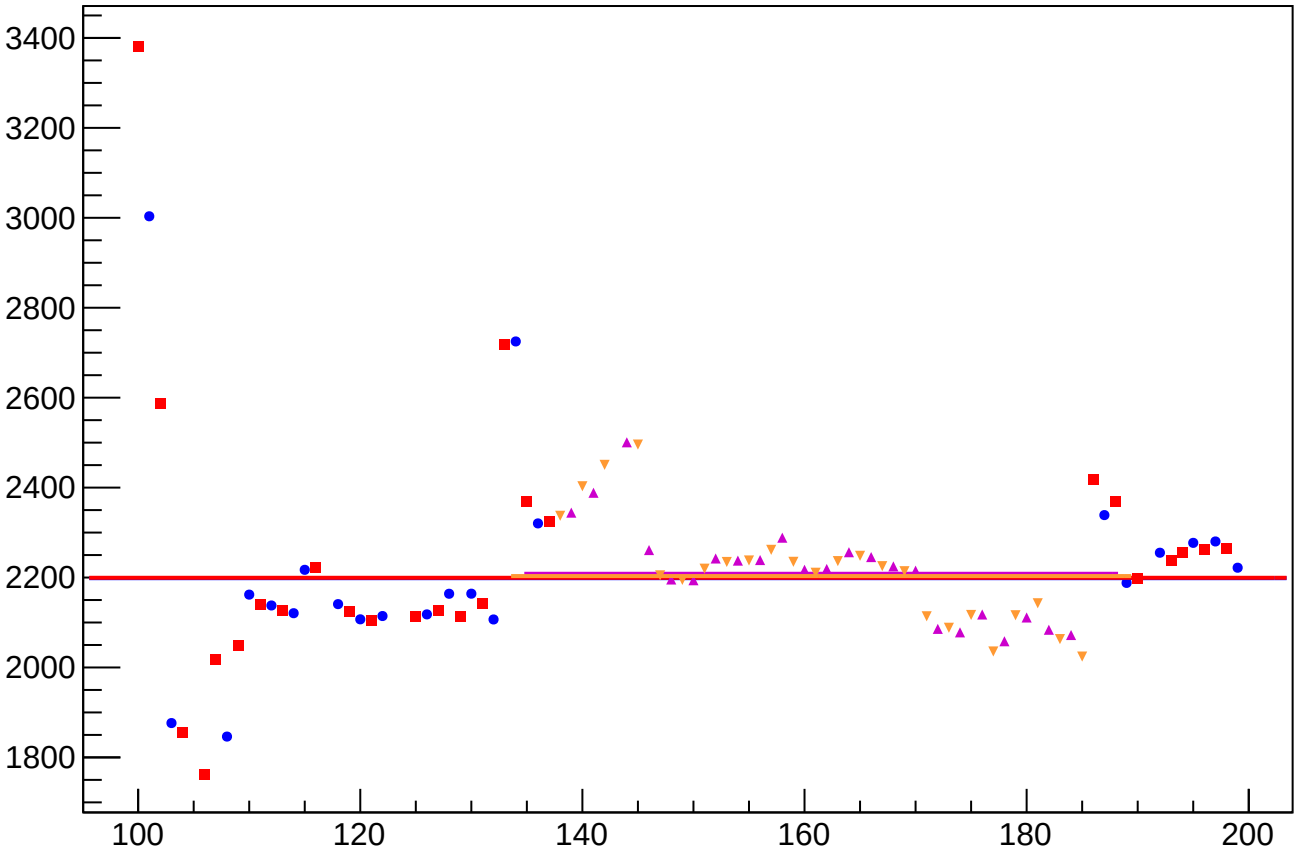
Left: 3879.677+/-363.533 χ^2/NDF: 56.8/46

Right: 4469.565+/-453.521 χ^2/NDF: 25.8/46

In: 5144.557+/-404.385 χ^2/NDF:22.1/44

Out: 3108.791+/-397.983 χ^2/NDF:48.6/48

All: 4110.431+/-283.653 χ^2/NDF: 83.6/93



Right In: 2198.570+/-0.460 χ^2/NDF: 205413.3/21

Left Out: 2203.297+/-0.362 χ^2/NDF:88208.3/23

Right Out: 2199.453+/-0.446 χ^2/NDF: 187035.9/24

Left In: 2208.379+/-0.365 χ^2/NDF:80994.3/22

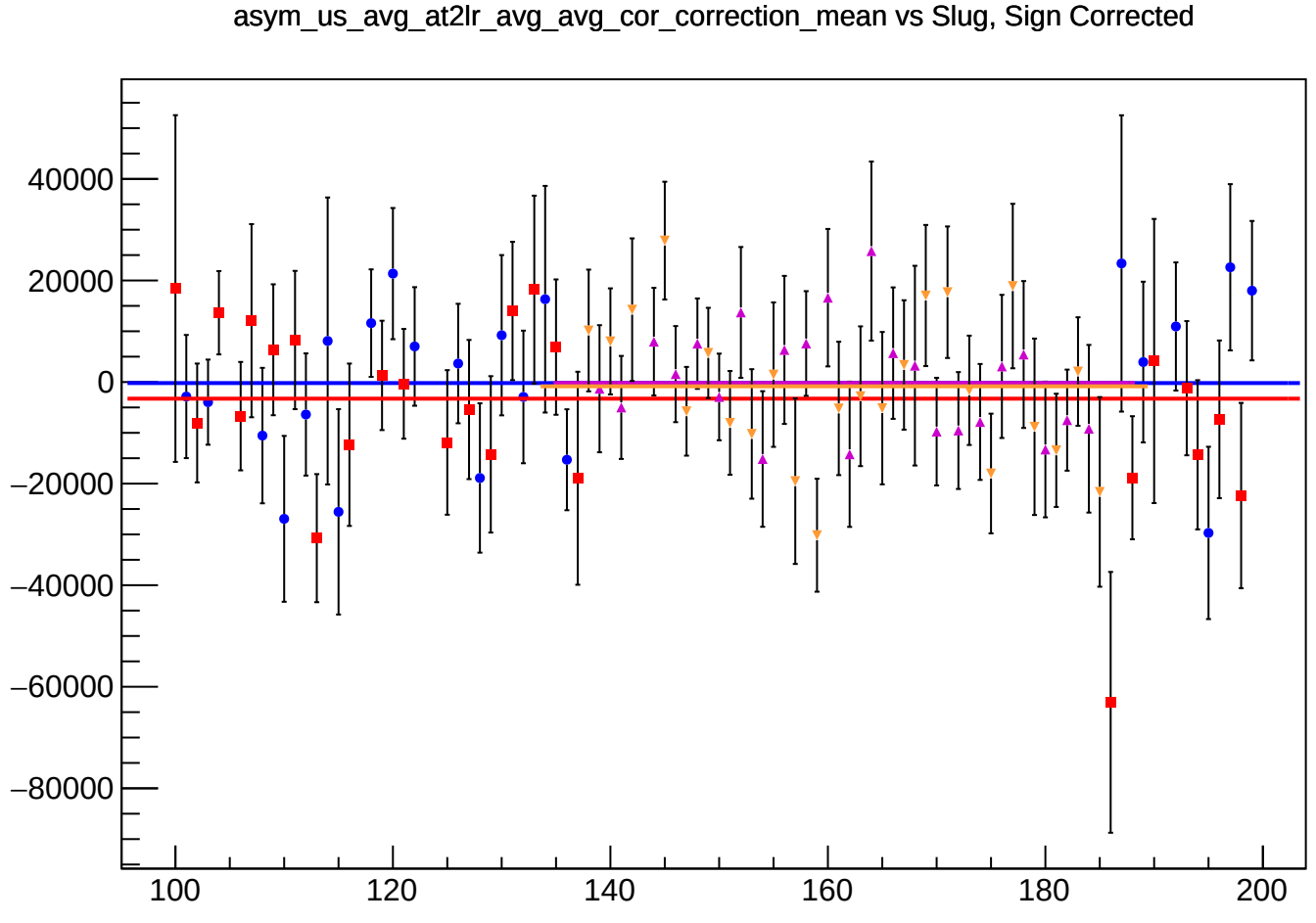
Left: 2205.817+/-0.257 χ^2/NDF: 169300.4/46

Right: 2199.025+/-0.320 χ^2/NDF: 392451.0/46

In: 2204.589+/-0.286 χ^2/NDF:286686.6/44

Out: 2201.769+/-0.281 χ^2/NDF:275288.9/48

All: 2203.155+/-0.200 χ^2/NDF: 562025.0/93



Right In: -198.981+/-2873.588 χ^2/NDF: 23.1/21

Left Out: -833.458+/-2481.469 χ^2/NDF:29.5/23

Right Out: -3270.459+/-2760.972 χ^2/NDF: 26.1/24

Left In: -182.360+/-2471.221 χ^2/NDF:13.8/22

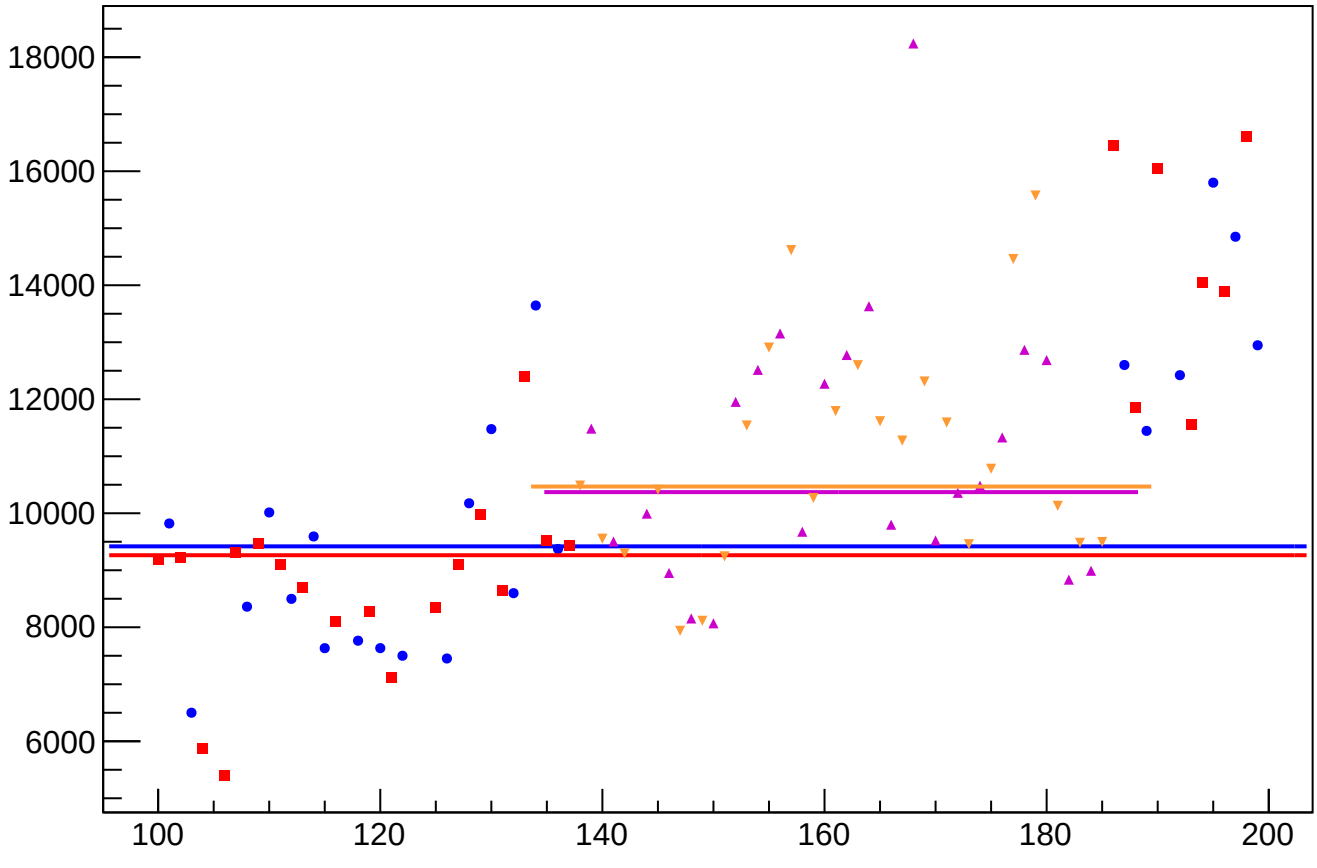
Left: -506.562+/-1751.029 χ^2/NDF: 43.3/46

Right: -1796.084+/-1990.924 χ^2/NDF: 49.7/46

In: -189.426+/-1873.664 χ^2/NDF:36.8/44

Out: -1922.397+/-1845.593 χ^2/NDF:56.0/48

All: -1068.991+/-1314.844 χ^2/NDF: 93.2/93



Right In: 9419.308+/-2.032 χ^2/NDF: 1408240.5/21

Left Out: 10468.676+/-1.755 χ^2/NDF:1045258.5/23

Right Out: 9263.850+/-1.952 χ^2/NDF: 1928884.2/24

Left In: 10370.886+/-1.747 χ^2/NDF:1203763.9/22

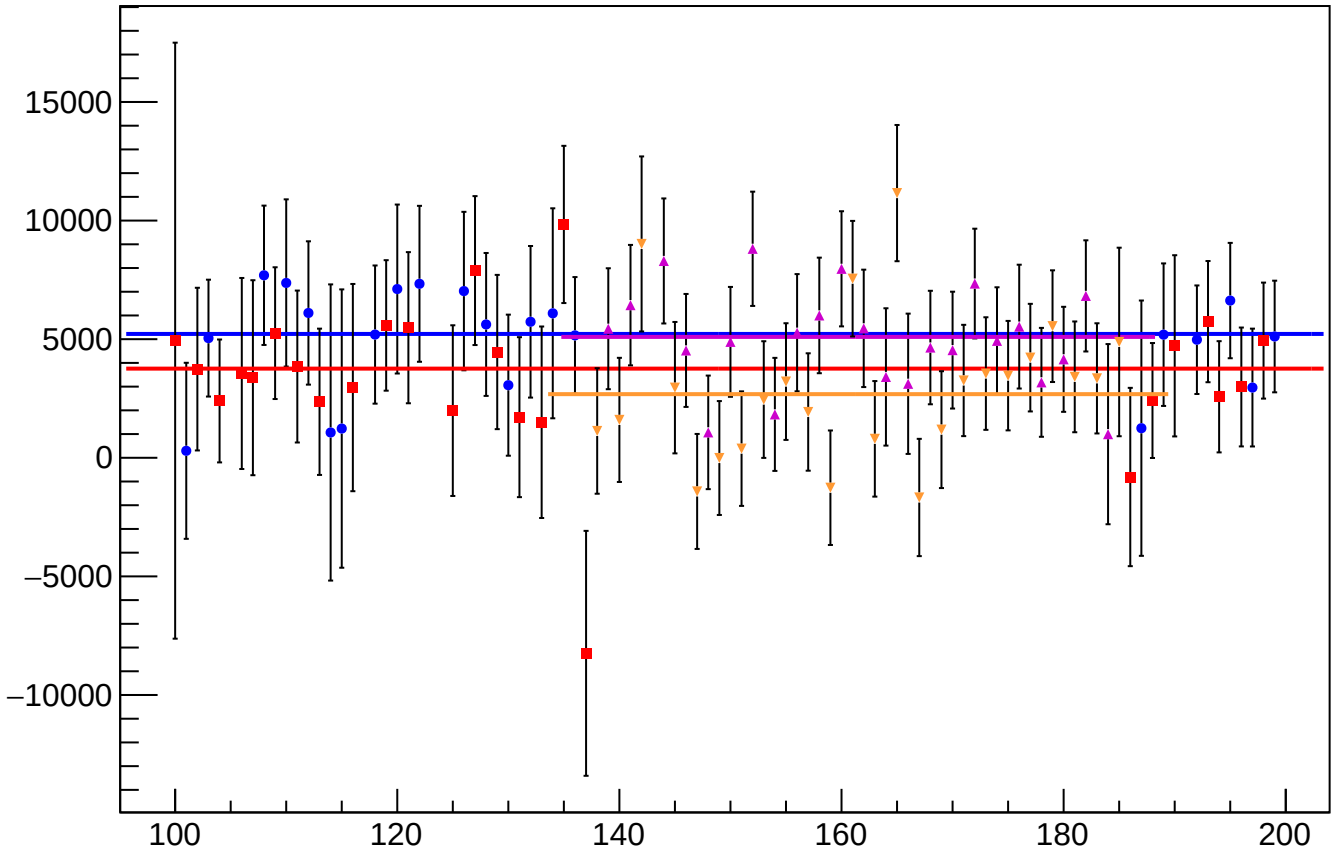
Left: 10419.579+/-1.238 χ^2/NDF: 2250581.8/46

Right: 9338.473+/-1.408 χ^2/NDF: 3340168.4/46

In: 9966.330+/-1.325 χ^2/NDF:2738079.6/44

Out: 9930.317+/-1.305 χ^2/NDF:3184815.9/48

All: 9948.052+/-0.930 χ^2/NDF: 5923270.5/93



Right In: 5221.141+/-650.562 χ^2/NDF: 7.2/21

Left Out: 2682.792+/-512.020 χ^2/NDF:30.8/23

Right Out: 3758.993+/-632.567 χ^2/NDF: 16.1/24

Left In: 5096.334+/-516.232 χ^2/NDF:14.9/22

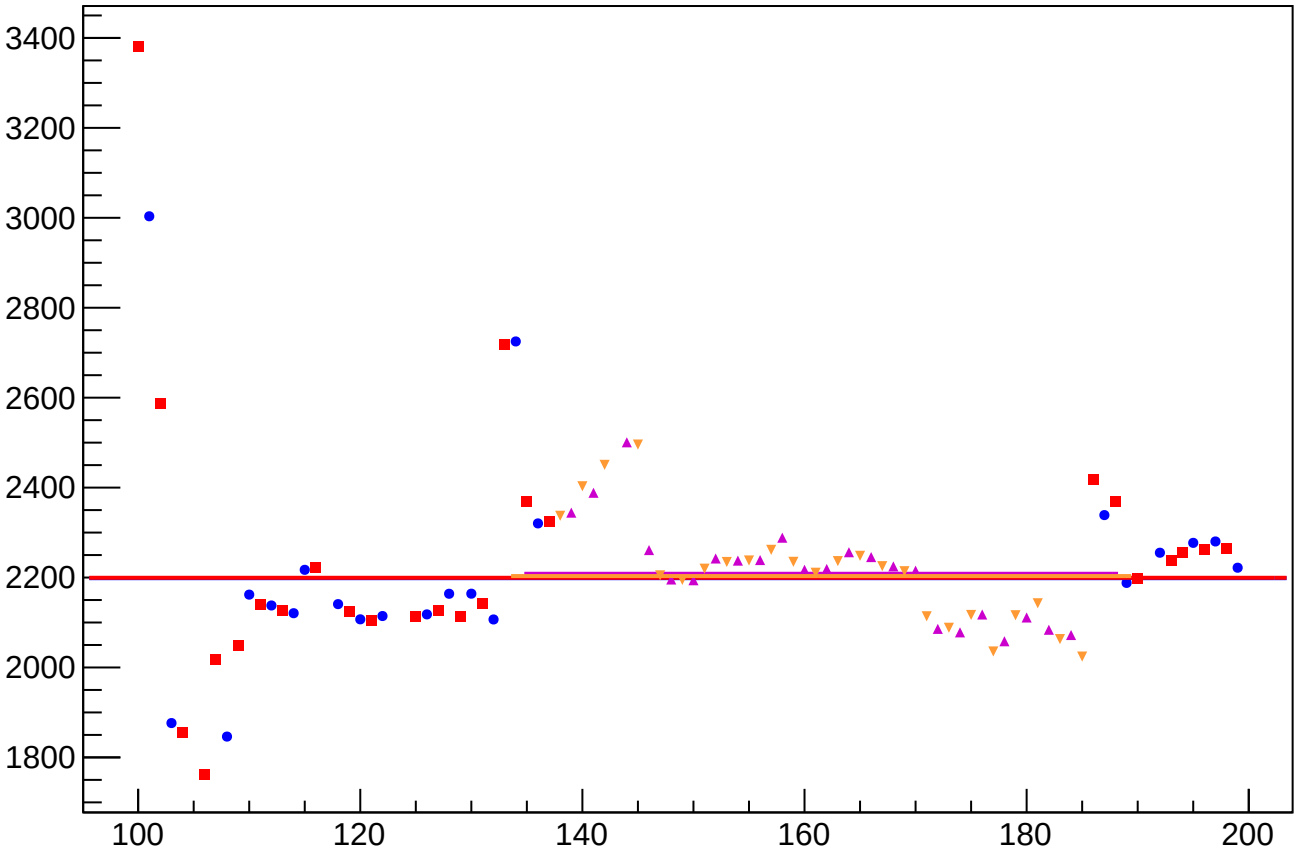
Left: 3879.677+/-363.533 χ^2/NDF: 56.8/46

Right: 4469.565+/-453.521 χ^2/NDF: 25.8/46

In: 5144.557+/-404.385 χ^2/NDF:22.1/44

Out: 3108.791+/-397.983 χ^2/NDF:48.6/48

All: 4110.431+/-283.653 χ^2/NDF: 83.6/93



Right In: 2198.570+/-0.460 χ^2/NDF: 205413.3/21

Left Out: 2203.297+/-0.362 χ^2/NDF:88208.3/23

Right Out: 2199.453+/-0.446 χ^2/NDF: 187035.9/24

Left In: 2208.379+/-0.365 χ^2/NDF:80994.3/22

Left: 2205.817+/-0.257 χ^2/NDF: 169300.4/46

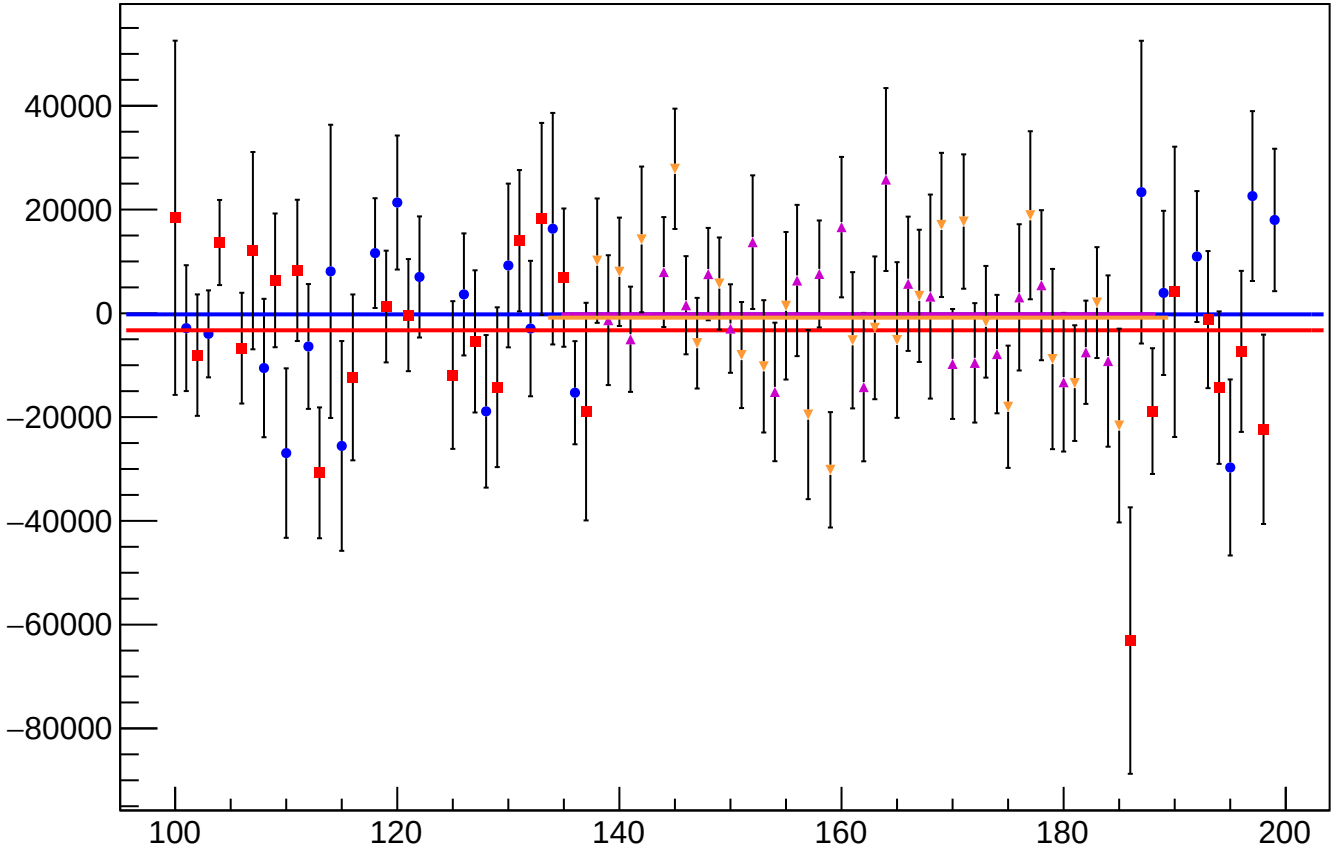
Right: 2199.025+/-0.320 χ^2/NDF: 392451.0/46

In: 2204.589+/-0.286 χ^2/NDF:286686.6/44

Out: 2201.769+/-0.281 χ^2/NDF:275288.9/48

All: 2203.155+/-0.200 χ^2/NDF: 562025.0/93

asym_us_avg_at2lr_avg_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -198.981+/-2873.588 χ^2/NDF: 23.1/21

Left Out: -833.458+/-2481.469 χ^2/NDF:29.5/23

Right Out: -3270.459+/-2760.972 χ^2/NDF: 26.1/24

Left In: -182.360+/-2471.221 χ^2/NDF:13.8/22

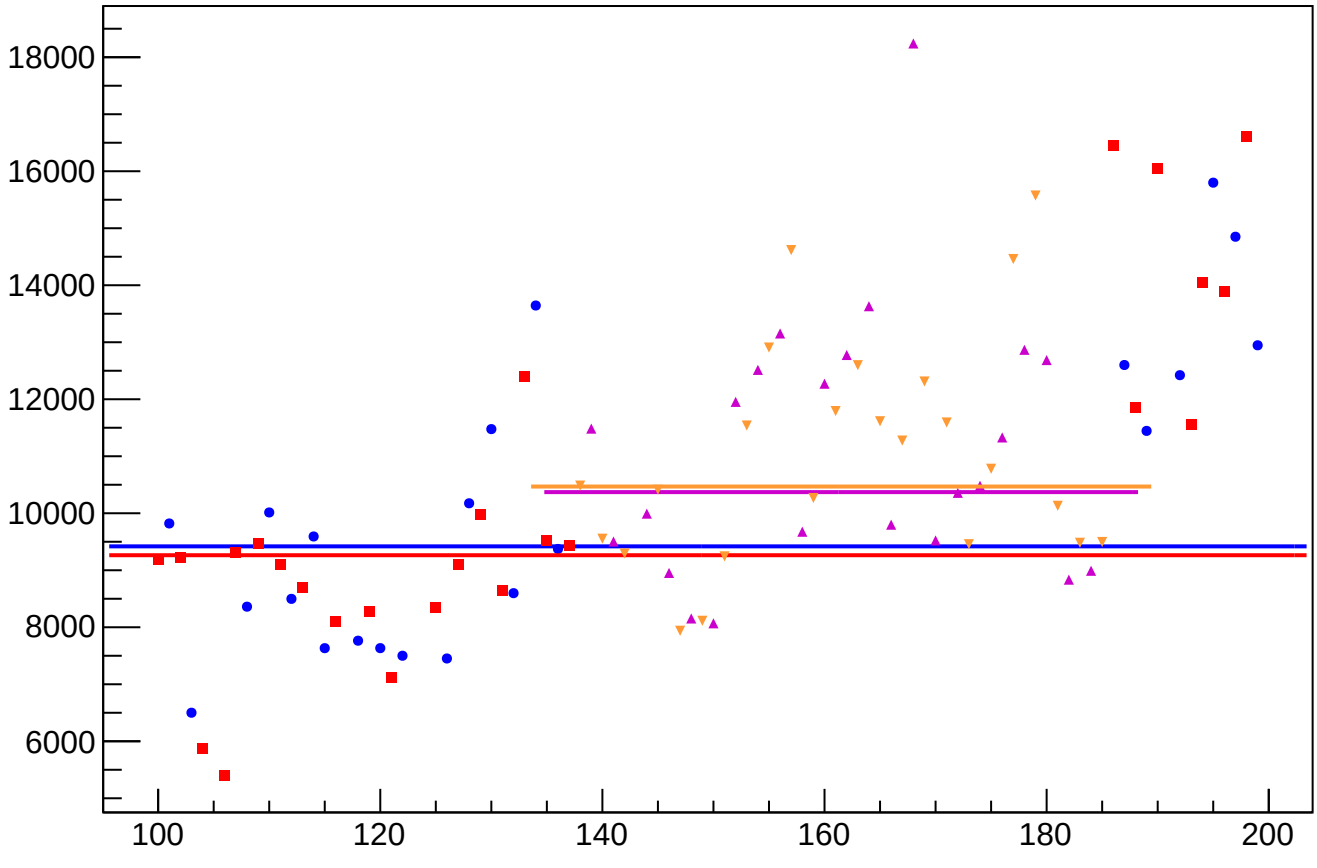
Left: -506.562+/-1751.029 χ^2/NDF: 43.3/46

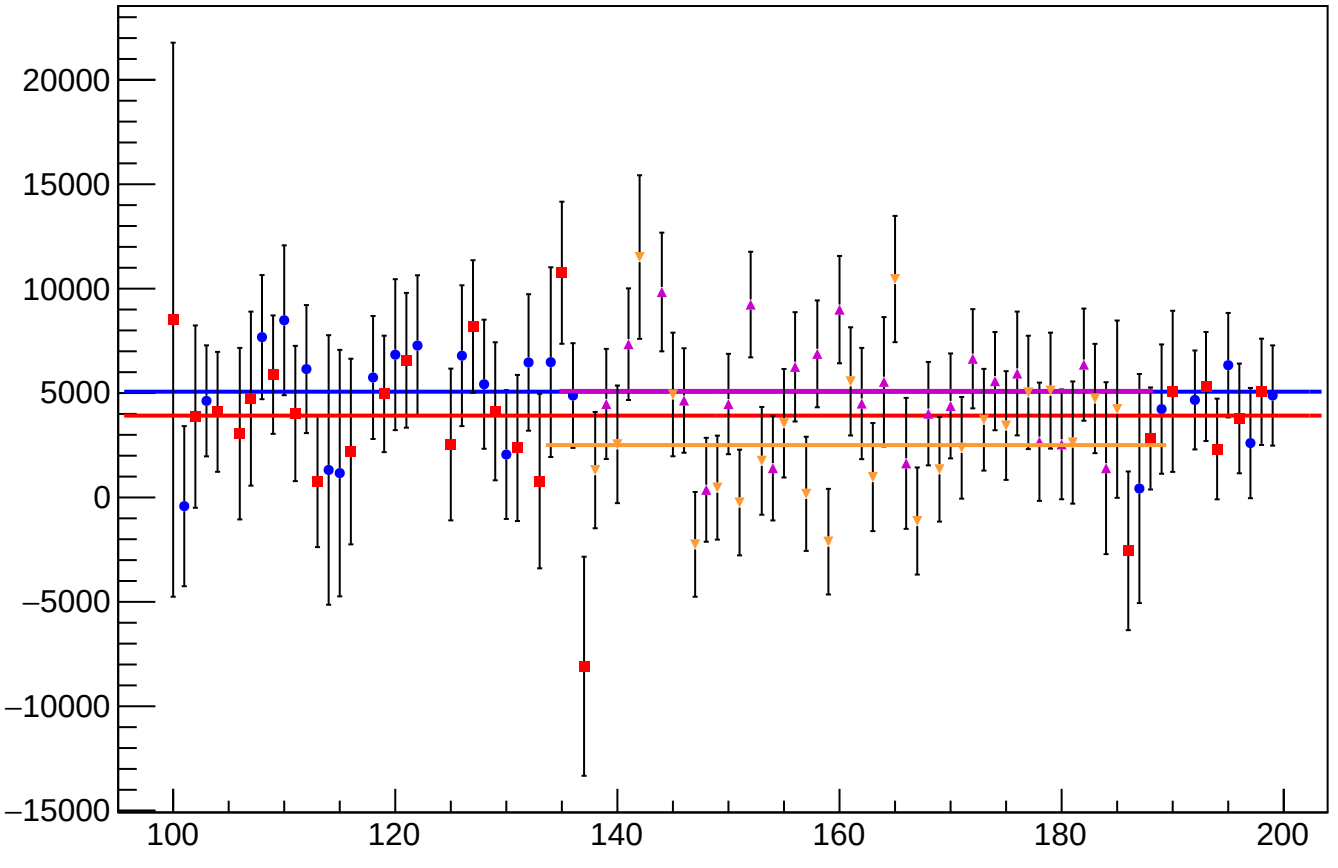
Right: -1796.084+/-1990.924 χ^2/NDF: 49.7/46

In: -189.426+/-1873.664 χ^2/NDF:36.8/44

Out: -1922.397+/-1845.593 χ^2/NDF:56.0/48

All: -1068.991+/-1314.844 χ^2/NDF: 93.2/93


asym_us_avg_at2lr_avg_avg_eigen_cor_correction_rms vs Slug, Sign Corrected
18000
16000
14000
12000
10000
8000
6000
100
120
140
160
180
200
Right In: 9419.308+/-2.032 χ²/NDF: 1408240.5/21
Left Out: 10468.676+/-1.755 χ²/NDF:1045258.5/23
Right Out: 9263.850+/-1.952 χ²/NDF: 1928884.2/24
Left In: 10370.886+/-1.747 χ²/NDF:1203763.9/22
Left: 10419.579+/-1.238 χ²/NDF: 2250581.8/46
Right: 9338.473+/-1.408 χ²/NDF: 3340168.4/46
In: 9966.330+/-1.325 χ²/NDF:2738079.6/44
Out: 9930.317+/-1.305 χ²/NDF:3184815.9/48
All: 9948.052+/-0.930 χ²/NDF: 5923270.5/93



Right In: 5065.185+/-669.461 χ^2/NDF: 8.8/21

Left Out: 2508.976+/-551.601 χ^2/NDF:29.8/23

Right Out: 3920.032+/-653.546 χ^2/NDF: 18.8/24

Left In: 5102.993+/-552.583 χ^2/NDF:19.9/22

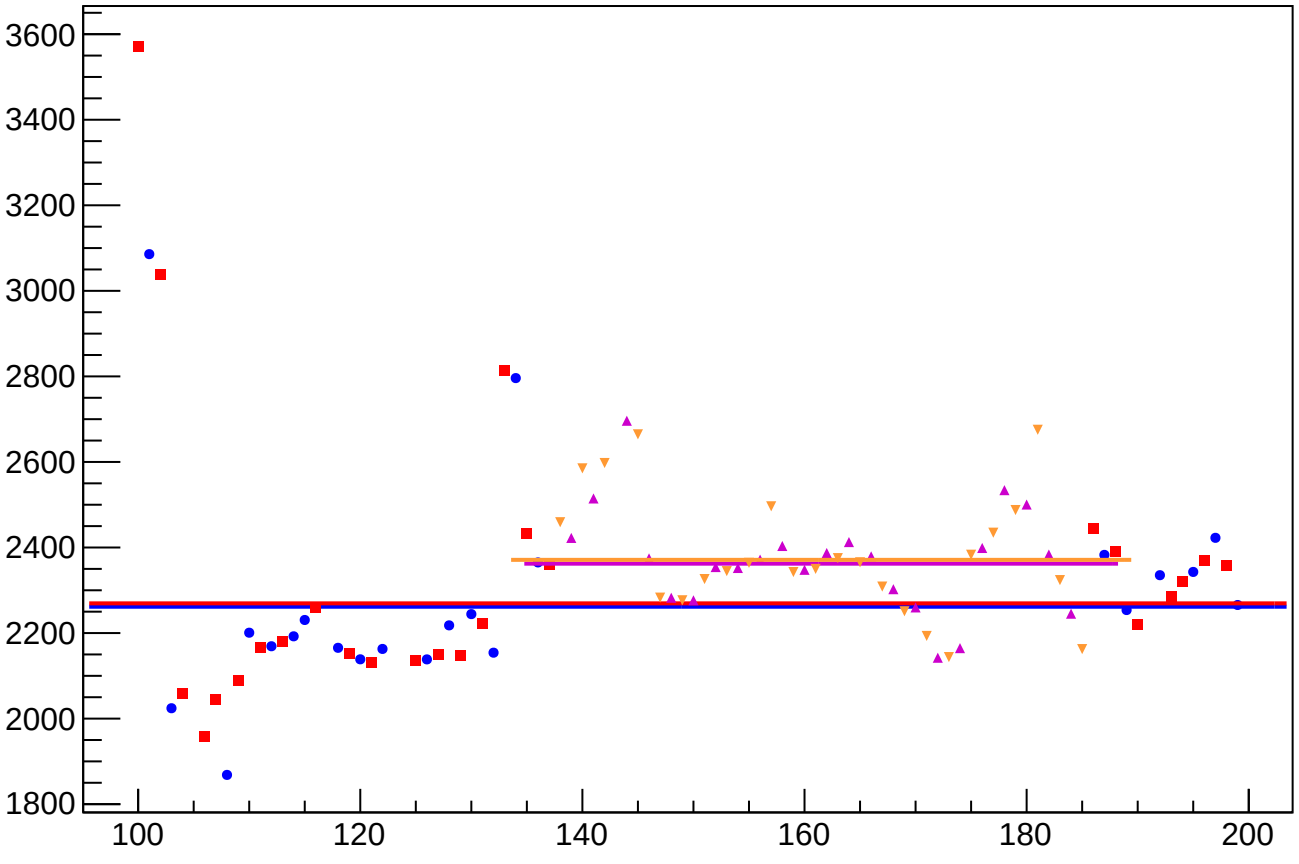
Left: 3803.678+/-390.387 χ^2/NDF: 60.7/46

Right: 4478.835+/-467.652 χ^2/NDF: 29.1/46

In: 5087.672+/-426.161 χ^2/NDF:28.7/44

Out: 3095.989+/-421.529 χ^2/NDF:51.3/48

All: 4080.949+/-299.690 χ^2/NDF: 91.1/93



Right In: 2261.561+/-0.473 χ^2/NDF: 201098.1/21

Left Out: 2371.137+/-0.390 χ^2/NDF:116296.5/23

Right Out: 2269.437+/-0.462 χ^2/NDF: 192251.9/24

Left In: 2362.218+/-0.391 χ^2/NDF:91896.7/22

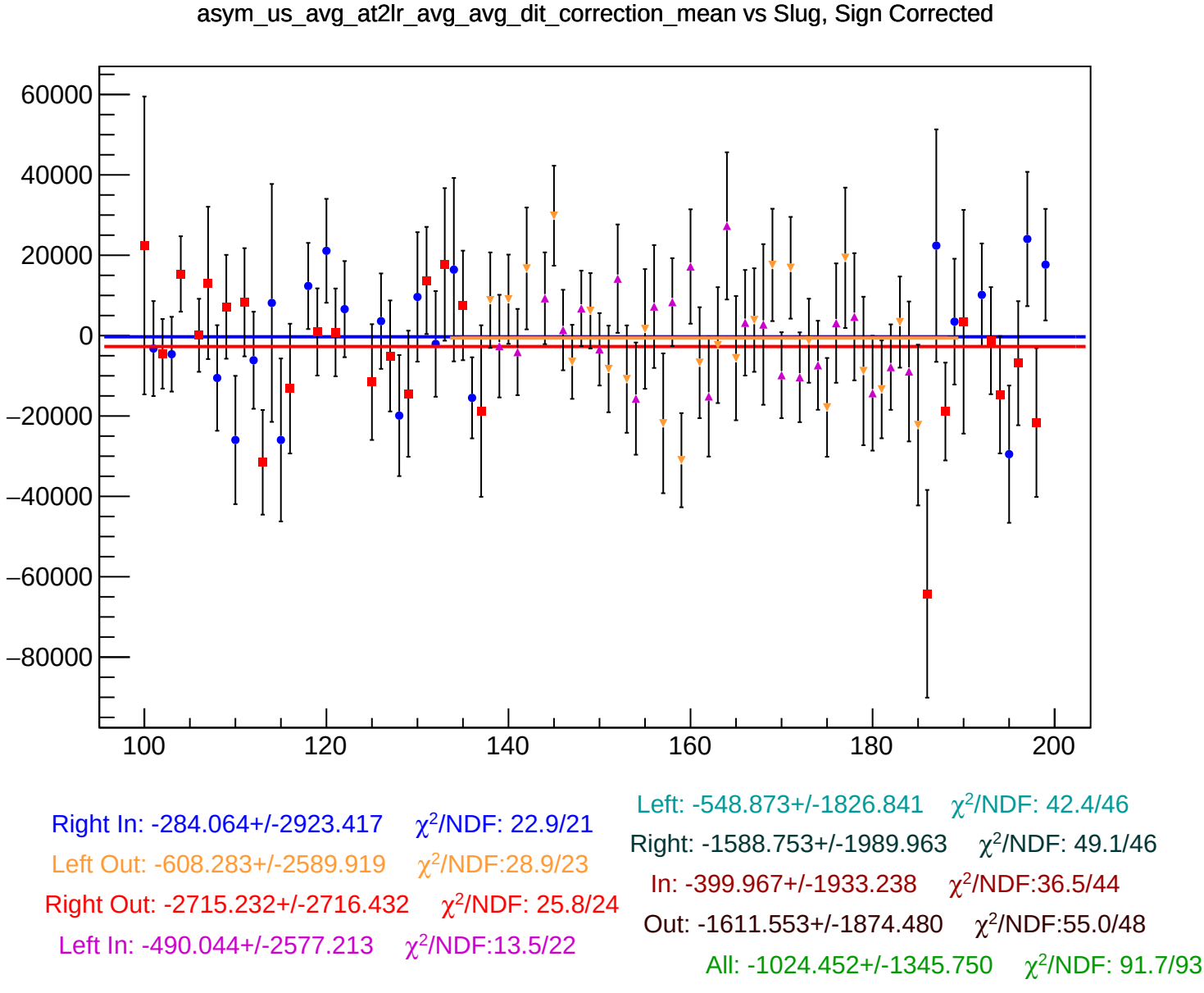
Left: 2366.685+/-0.276 χ^2/NDF: 208454.2/46

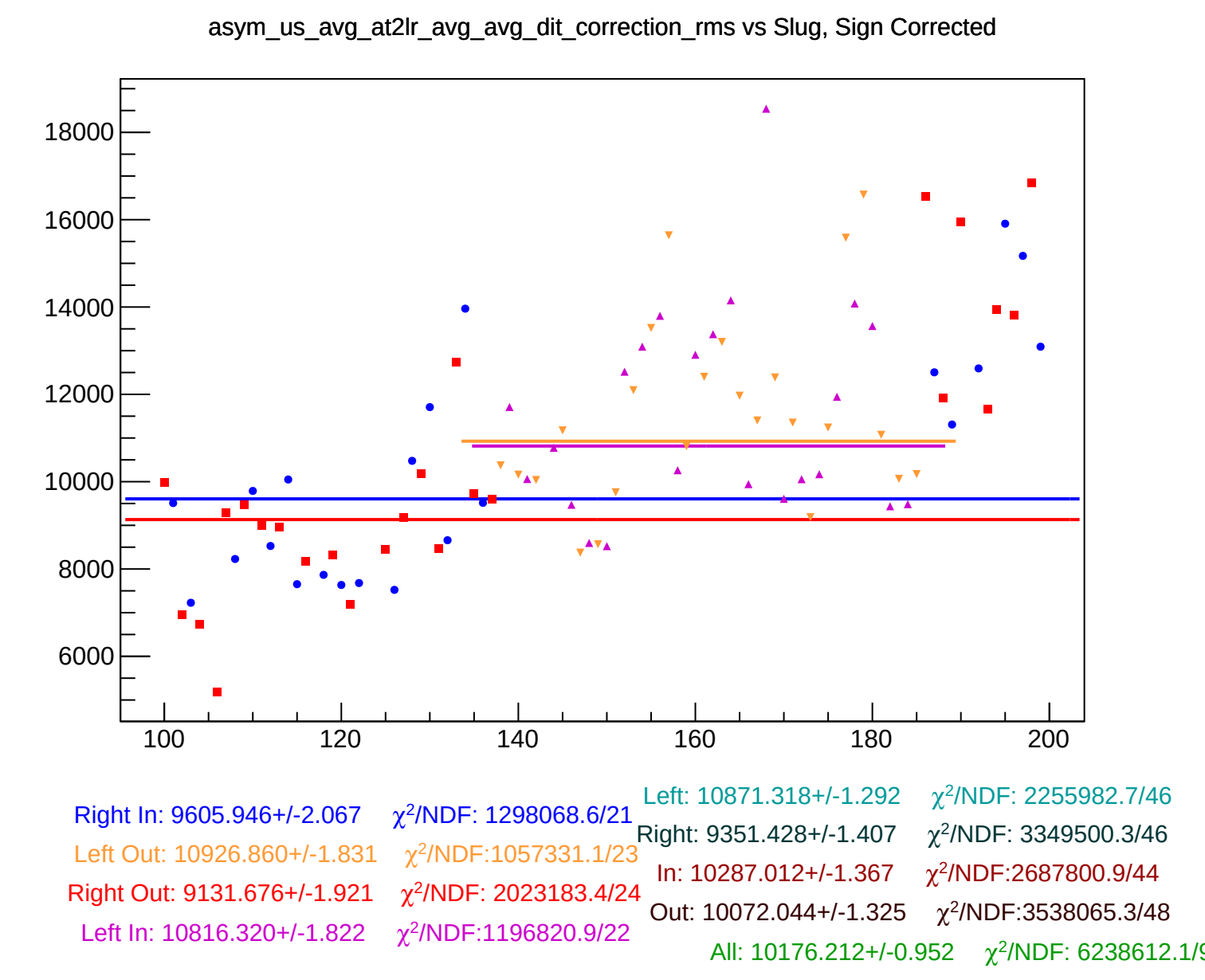
Right: 2265.595+/-0.331 χ^2/NDF: 393491.8/46

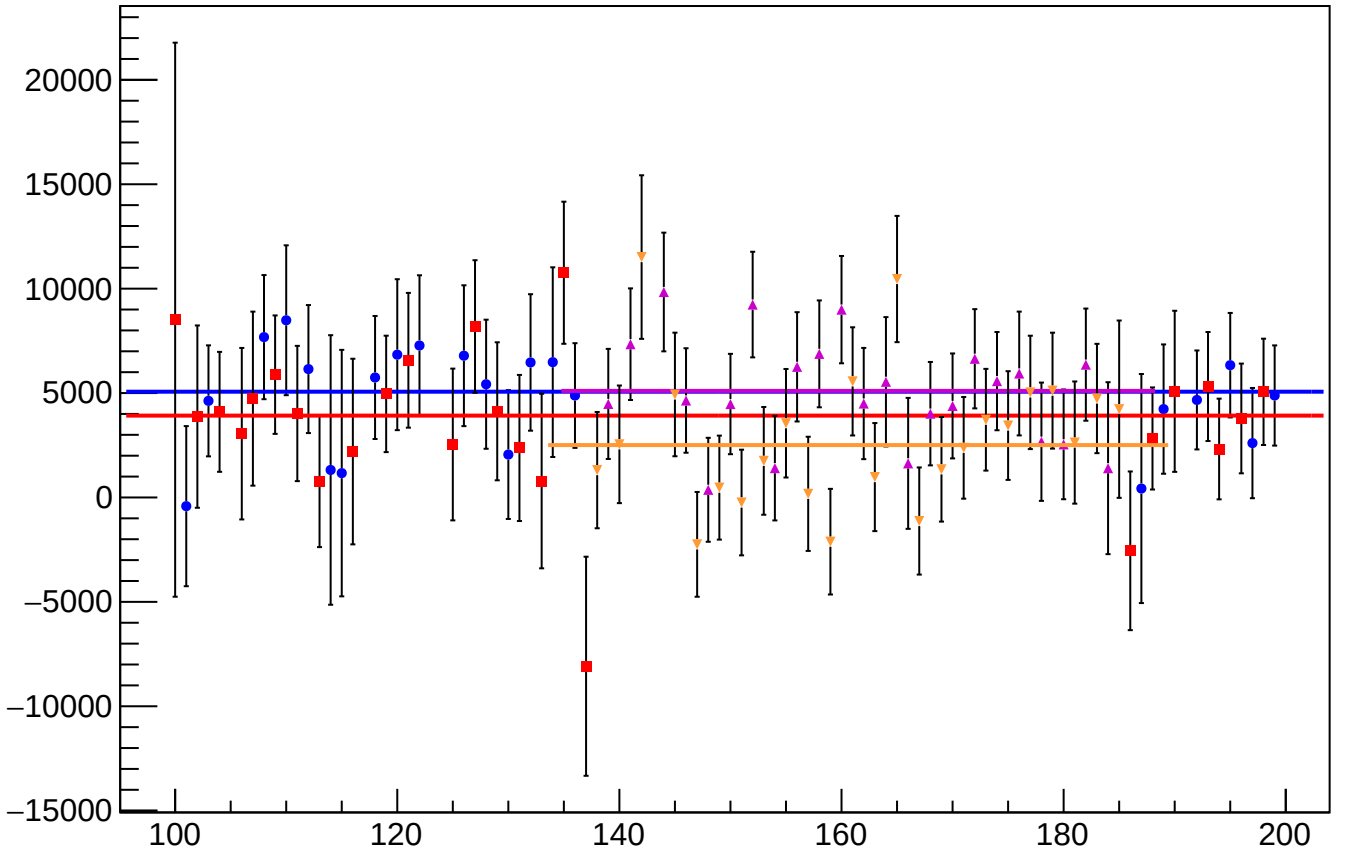
In: 2321.429+/-0.301 χ^2/NDF:319886.5/44

Out: 2328.810+/-0.298 χ^2/NDF:336843.5/48

All: 2325.161+/-0.212 χ^2/NDF: 657033.3/93


asym_us_avg_at2lr_avg_avg_dit_correction_mean vs Slug, Sign Corrected
60000
40000
20000
0
−20000
−40000
−60000
−80000
100
120
140
160
180
200
Right In: -284.064+/-2923.417 χ²/NDF: 22.9/21
Left Out: -608.283+/-2589.919 χ²/NDF:28.9/23
Right Out: -2715.232+/-2716.432 χ²/NDF: 25.8/24
Left In: -490.044+/-2577.213 χ²/NDF:13.5/22
Left: -548.873+/-1826.841 χ²/NDF: 42.4/46
Right: -1588.753+/-1989.963 χ²/NDF: 49.1/46
In: -399.967+/-1933.238 χ²/NDF:36.5/44
Out: -1611.553+/-1874.480 χ²/NDF:55.0/48
All: -1024.452+/-1345.750 χ²/NDF: 91.7/93


asym_us_avg_at2lr_avg_avg_dit_correction_rms vs Slug, Sign Corrected
18000
16000
14000
12000
10000
8000
6000
100
120
140
160
180
200
Right In: 9605.946+/-2.067 χ²/NDF: 1298068.6/21
Left Out: 10926.860+/-1.831 χ²/NDF:1057331.1/23
Right Out: 9131.676+/-1.921 χ²/NDF: 2023183.4/24
Left In: 10816.320+/-1.822 χ²/NDF:1196820.9/22
Left: 10871.318+/-1.292 χ²/NDF: 2255982.7/46
Right: 9351.428+/-1.407 χ²/NDF: 3349500.3/46
In: 10287.012+/-1.367 χ²/NDF:2687800.9/44
Out: 10072.044+/-1.325 χ²/NDF:3538065.3/48
All: 10176.212+/-0.952 χ²/NDF: 6238612.1/9



Right In: 5065.183+/-669.461 χ^2/NDF: 8.8/21

Left Out: 2508.963+/-551.602 χ^2/NDF:29.8/23

Right Out: 3920.032+/-653.546 χ^2/NDF: 18.8/24

Left In: 5102.996+/-552.584 χ^2/NDF:19.9/22

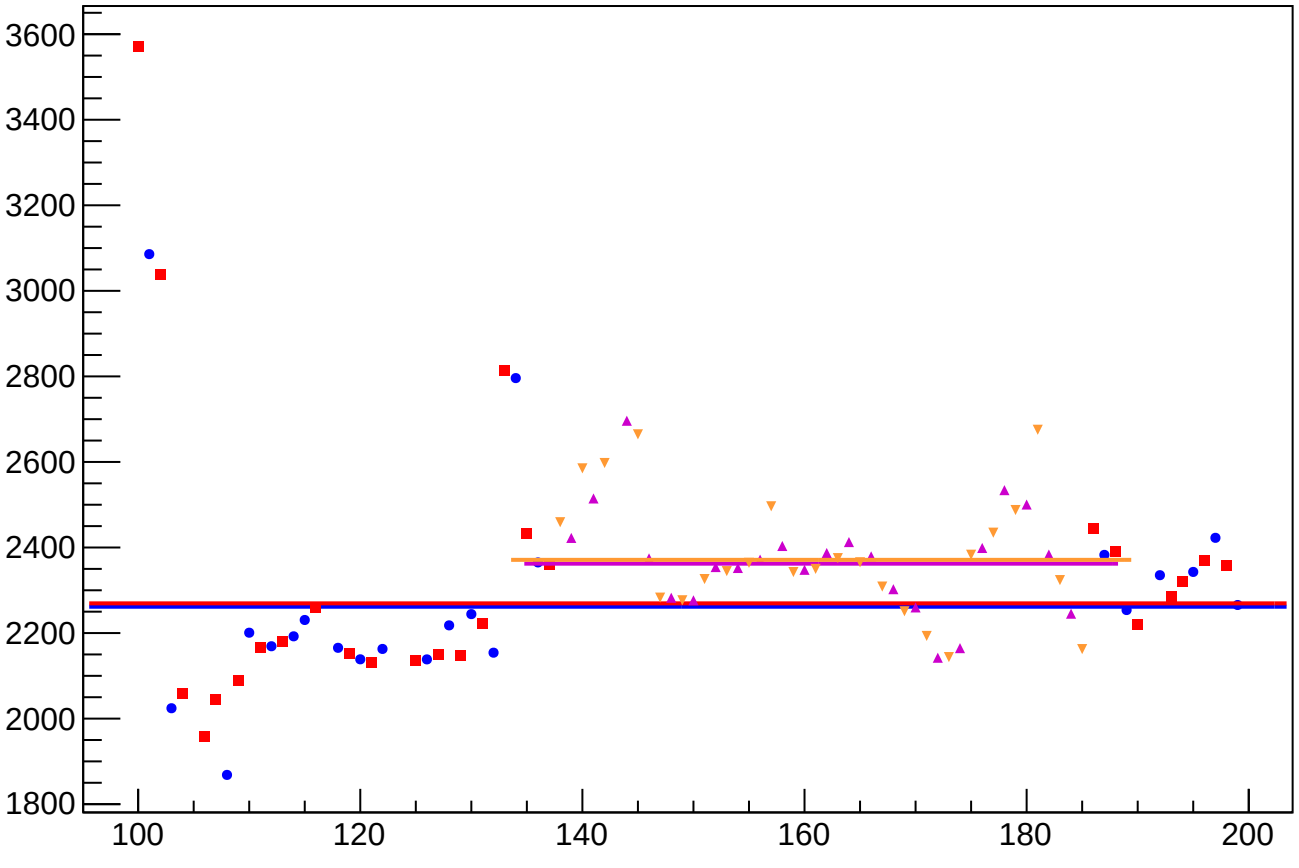
Left: 3803.673+/-390.388 χ^2/NDF: 60.7/46

Right: 4478.834+/-467.652 χ^2/NDF: 29.1/46

In: 5087.673+/-426.161 χ^2/NDF:28.7/44

Out: 3095.982+/-421.530 χ^2/NDF:51.3/48

All: 4080.946+/-299.691 χ^2/NDF: 91.1/93



Right In: 2261.561+/-0.473 χ^2/NDF: 201098.5/21

Left Out: 2371.140+/-0.390 χ^2/NDF:116300.8/23

Right Out: 2269.437+/-0.462 χ^2/NDF: 192252.2/24

Left In: 2362.221+/-0.391 χ^2/NDF:91901.3/22

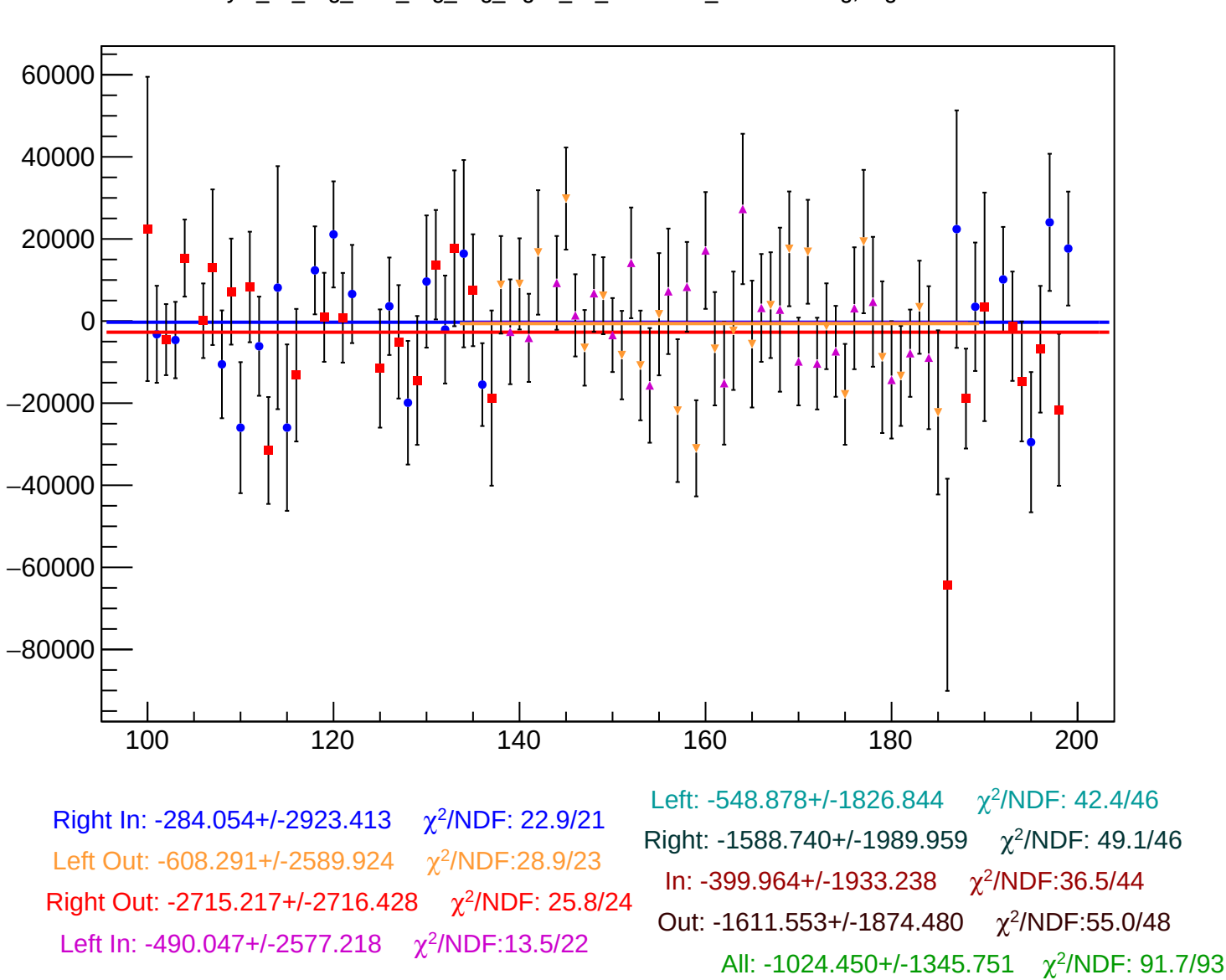
Left: 2366.689+/-0.276 χ^2/NDF: 208463.0/46

Right: 2265.595+/-0.331 χ^2/NDF: 393492.4/46

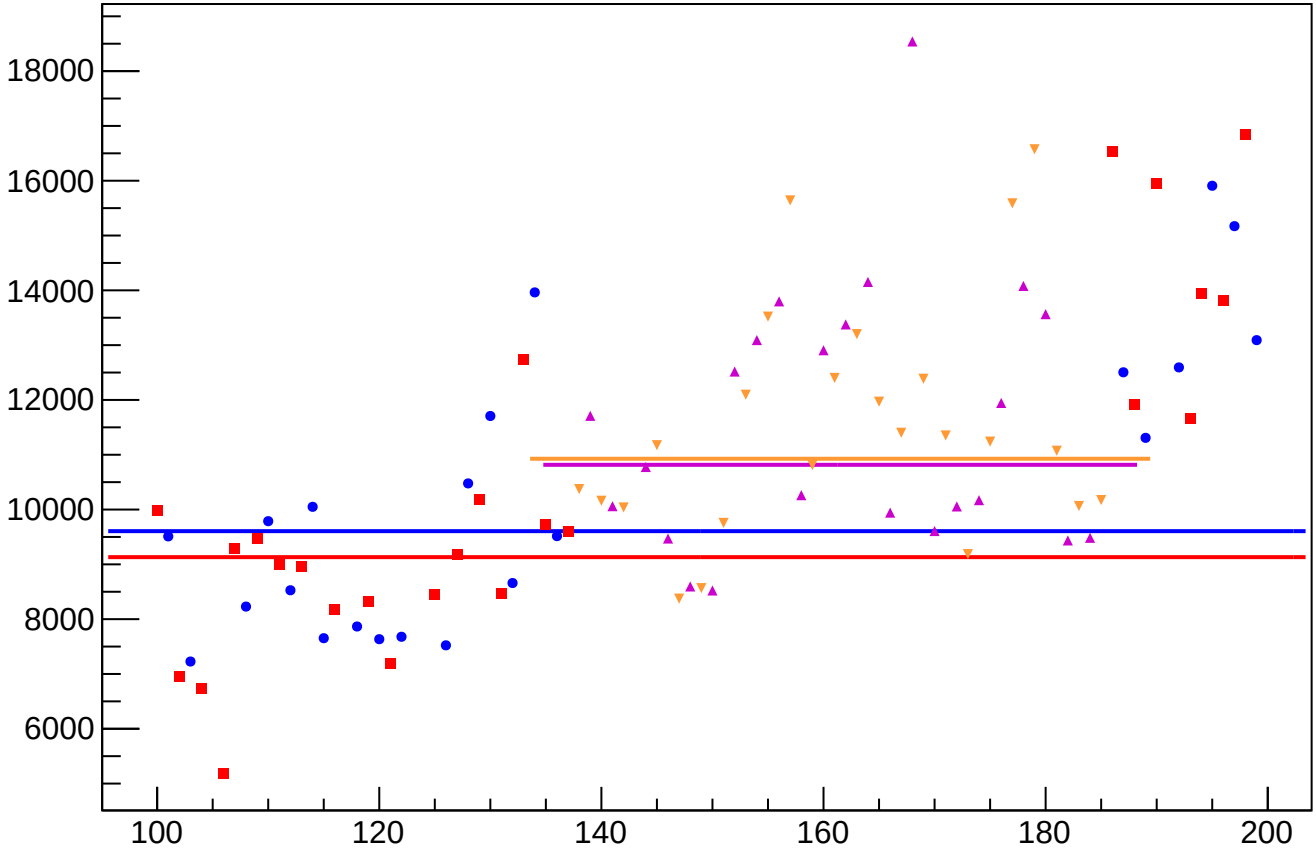
In: 2321.431+/-0.301 χ^2/NDF:319893.6/44

Out: 2328.812+/-0.298 χ^2/NDF:336850.0/48

All: 2325.162+/-0.212 χ^2/NDF: 657046.8/93


asym_us_avg_at2lr_avg_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: -284.054+/-2923.413 χ²/NDF: 22.9/21
Left Out: -608.291+/-2589.924 χ²/NDF:28.9/23
Right Out: -2715.217+/-2716.428 χ²/NDF: 25.8/24
Left In: -490.047+/-2577.218 χ²/NDF:13.5/22
Left: -548.878+/-1826.844 χ²/NDF: 42.4/46
Right: -1588.740+/-1989.959 χ²/NDF: 49.1/46
In: -399.964+/-1933.238 χ²/NDF:36.5/44
Out: -1611.553+/-1874.480 χ²/NDF:55.0/48
All: -1024.450+/-1345.751 χ²/NDF: 91.7/93

asym_us_avg_at2lr_avg_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 9605.927+/-2.067 χ^2/NDF: 1298084.3/21

Left Out: 10926.878+/-1.831 χ^2/NDF:1057333.6/23

Right Out: 9131.659+/-1.921 χ^2/NDF: 2023194.4/24

Left In: 10816.337+/-1.822 χ^2/NDF:1196824.5/22

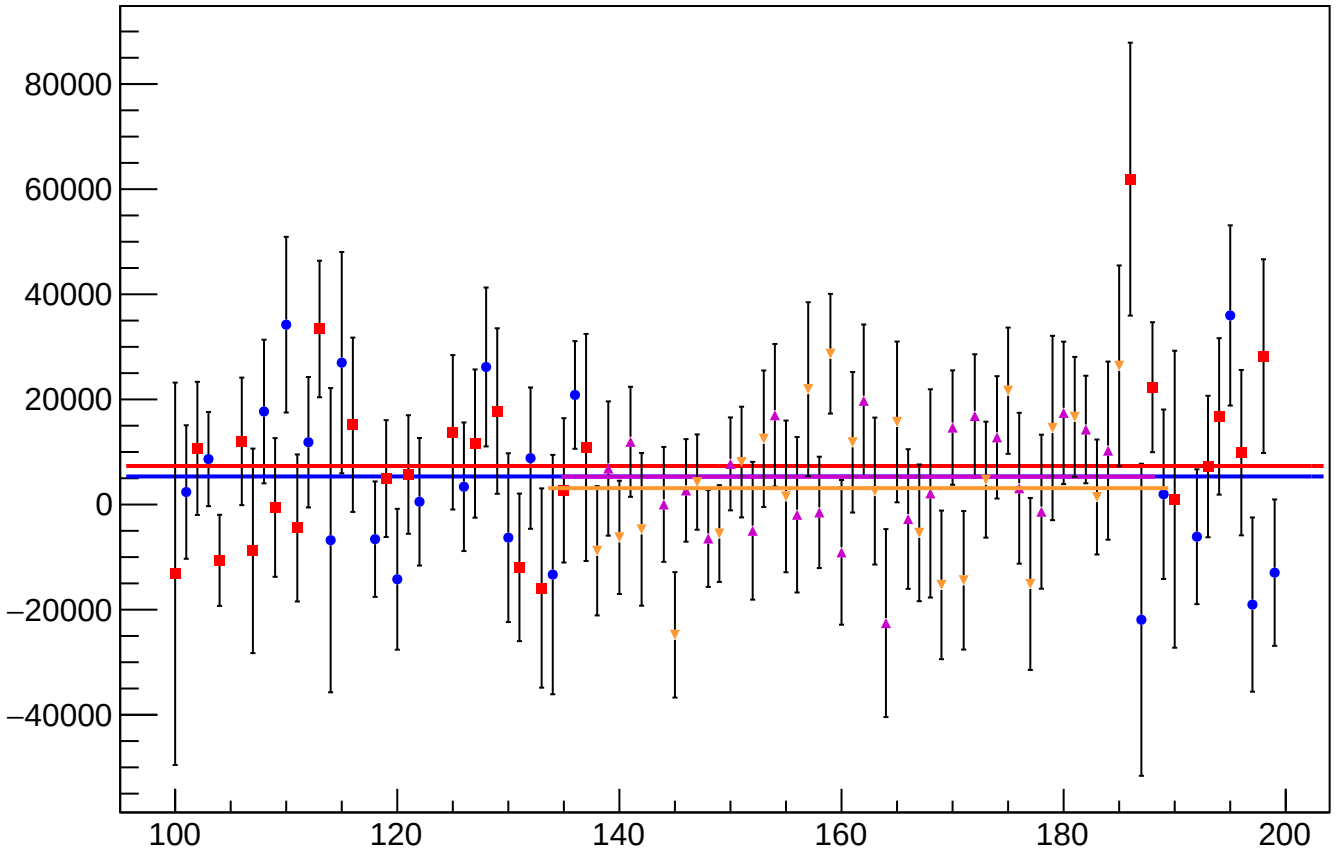
Left: 10871.336+/-1.292 χ^2/NDF: 2255988.7/46

Right: 9351.410+/-1.407 χ^2/NDF: 3349526.8/46

In: 10287.011+/-1.367 χ^2/NDF:2687831.6/44

Out: 10072.042+/-1.325 χ^2/NDF:3538096.5/48

All: 10176.210+/-0.952 χ^2/NDF: 6238674.2/9



Right In: 5345.268+/-2969.688 χ^2/NDF: 23.2/21

Left Out: 3119.161+/-2542.855 χ^2/NDF:27.4/23

Right Out: 7333.447+/-2870.033 χ^2/NDF: 22.8/24

Left In: 5290.718+/-2532.995 χ^2/NDF:13.3/22

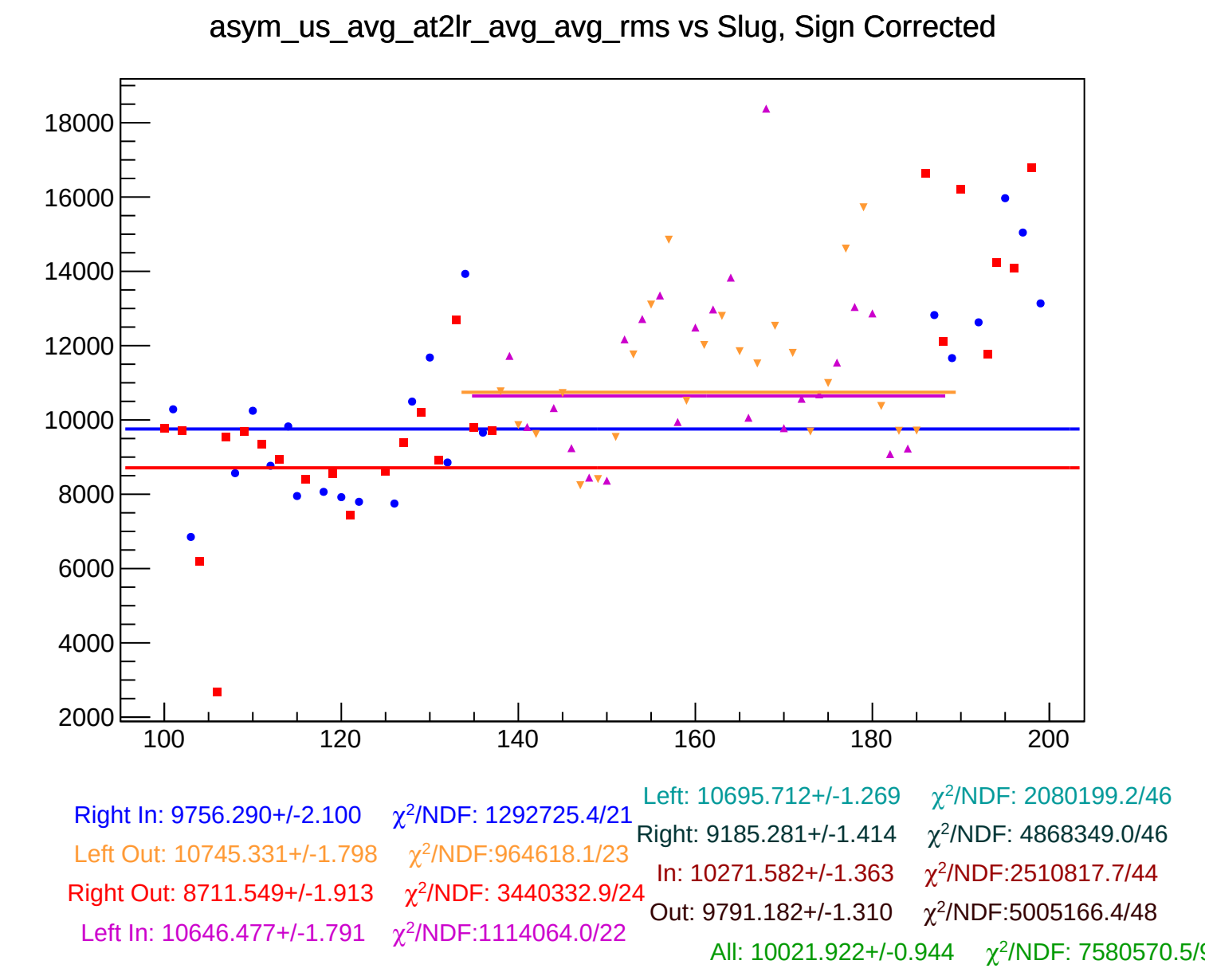
Left: 4209.158+/-1794.574 χ^2/NDF: 41.1/46

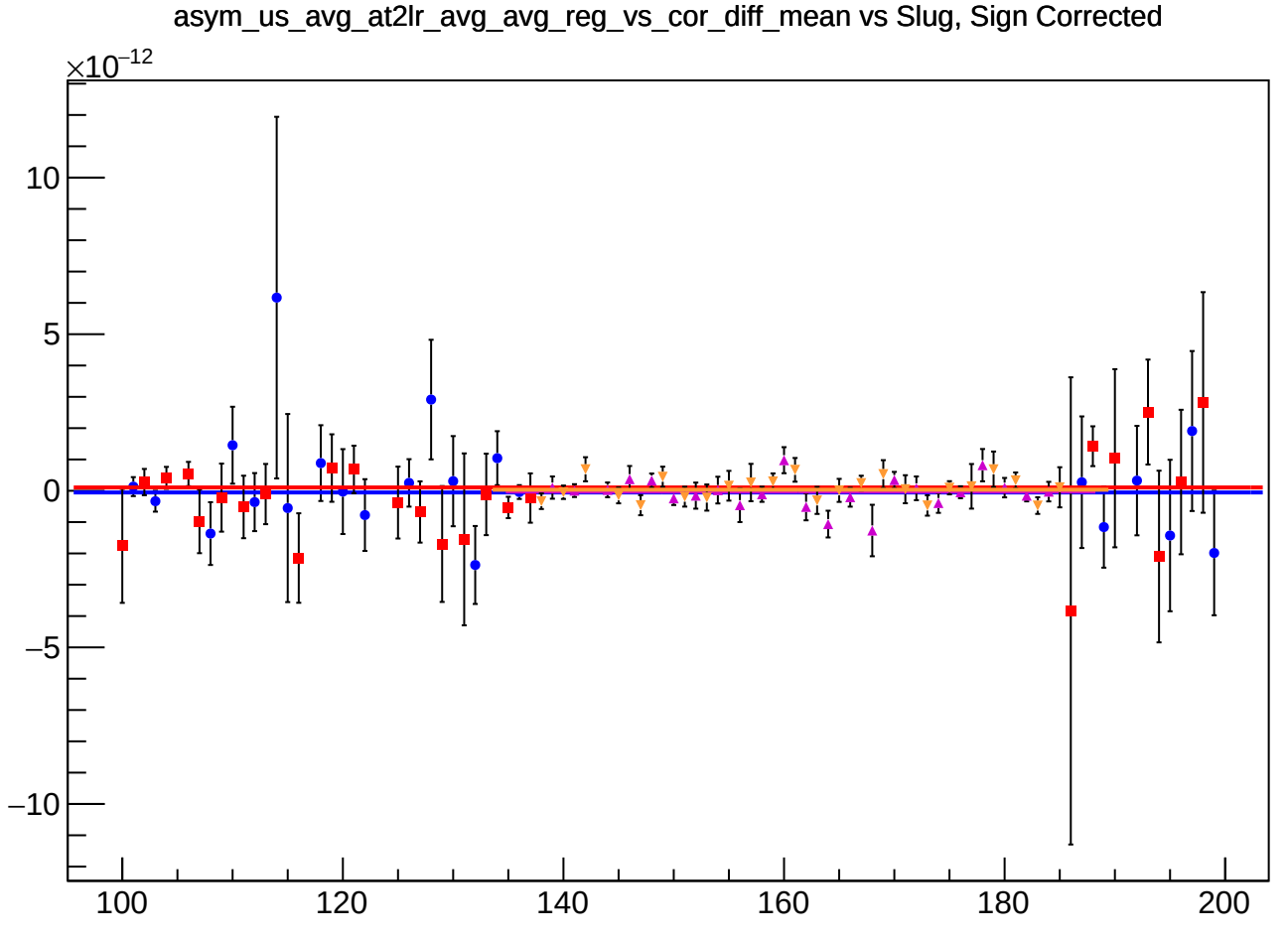
Right: 6373.276+/-2063.751 χ^2/NDF: 46.3/46

In: 5313.691+/-1927.181 χ^2/NDF:36.6/44

Out: 4972.503+/-1903.279 χ^2/NDF:51.5/48

All: 5140.968+/-1354.193 χ^2/NDF: 88.0/93


asym_us_avg_at2lr_avg_avg_rms vs Slug, Sign Corrected
18000
16000
14000
12000
10000
8000
6000
4000
2000
100
120
140
160
180
200
Right In: 9756.290+/-2.100 χ²/NDF: 1292725.4/21
Left Out: 10745.331+/-1.798 χ²/NDF:964618.1/23
Right Out: 8711.549+/-1.913 χ²/NDF: 3440332.9/24
Left In: 10646.477+/-1.791 χ²/NDF:1114064.0/22
Left: 10695.712+/-1.269 χ²/NDF: 2080199.2/46
Right: 9185.281+/-1.414 χ²/NDF: 4868349.0/46
In: 10271.582+/-1.363 χ²/NDF:2510817.7/44
Out: 9791.182+/-1.310 χ²/NDF:5005166.4/48
All: 10021.922+/-0.944 χ²/NDF: 7580570.5/9



Right In: -0.000+/-0.000 χ^2/NDF: 17.0/21

Left Out: 0.000+/-0.000 χ^2/NDF:26.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 22.1/24

Left In: -0.000+/-0.000 χ^2/NDF:27.9/22

Left: 0.000+/-0.000 χ^2/NDF: 54.6/46

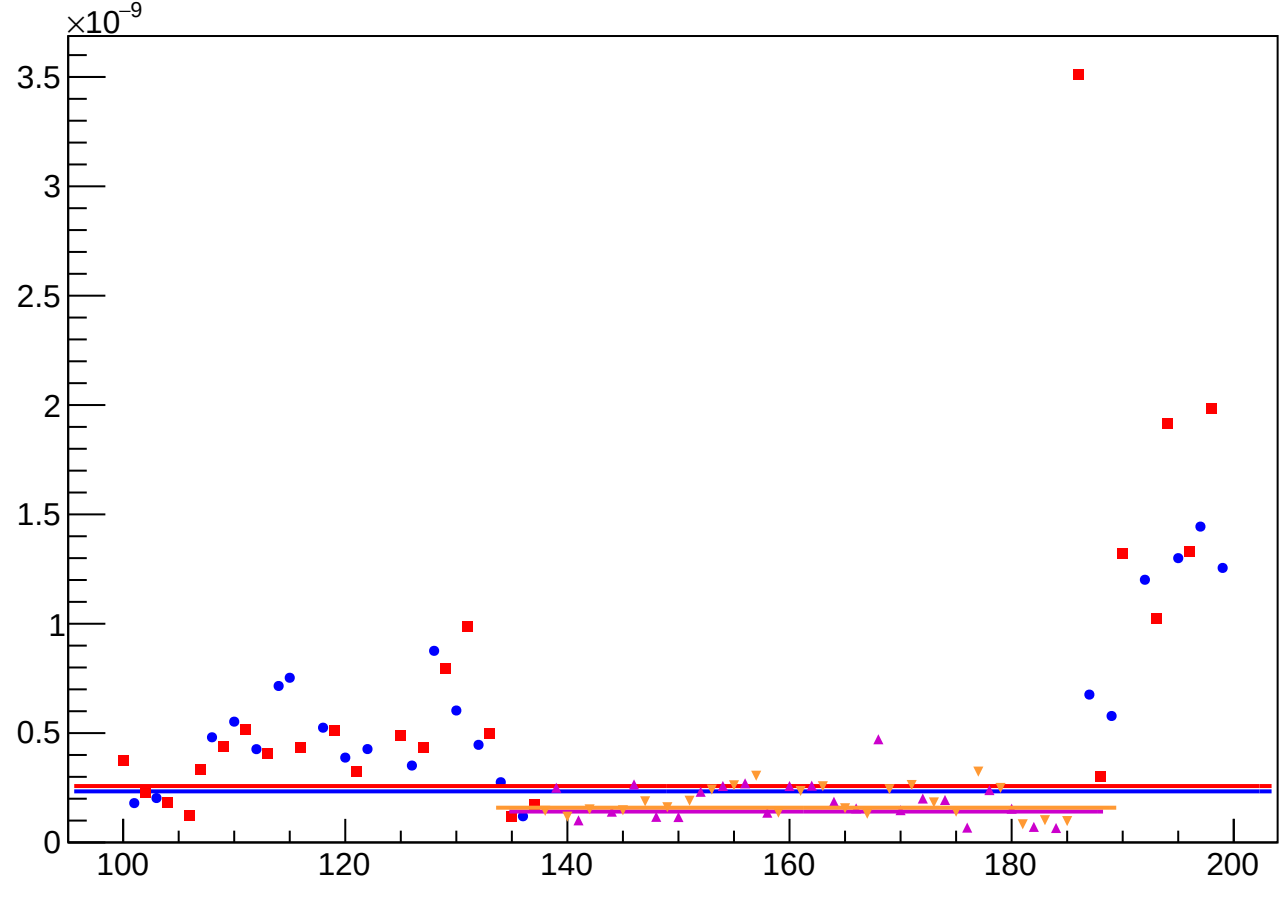
Right: 0.000+/-0.000 χ^2/NDF: 39.7/46

In: -0.000+/-0.000 χ^2/NDF:44.9/44

Out: 0.000+/-0.000 χ^2/NDF:48.6/48

All: 0.000+/-0.000 χ^2/NDF: 94.3/93

asym_us_avg_at2lr_avg_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3903621.5/21

Left Out: 0.000+/-0.000 χ^2/NDF:1297018.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 4354723.0/24

Left In: 0.000+/-0.000 χ^2/NDF:2396288.8/22

Left: 0.000+/-0.000 χ^2/NDF: 3771928.7/46

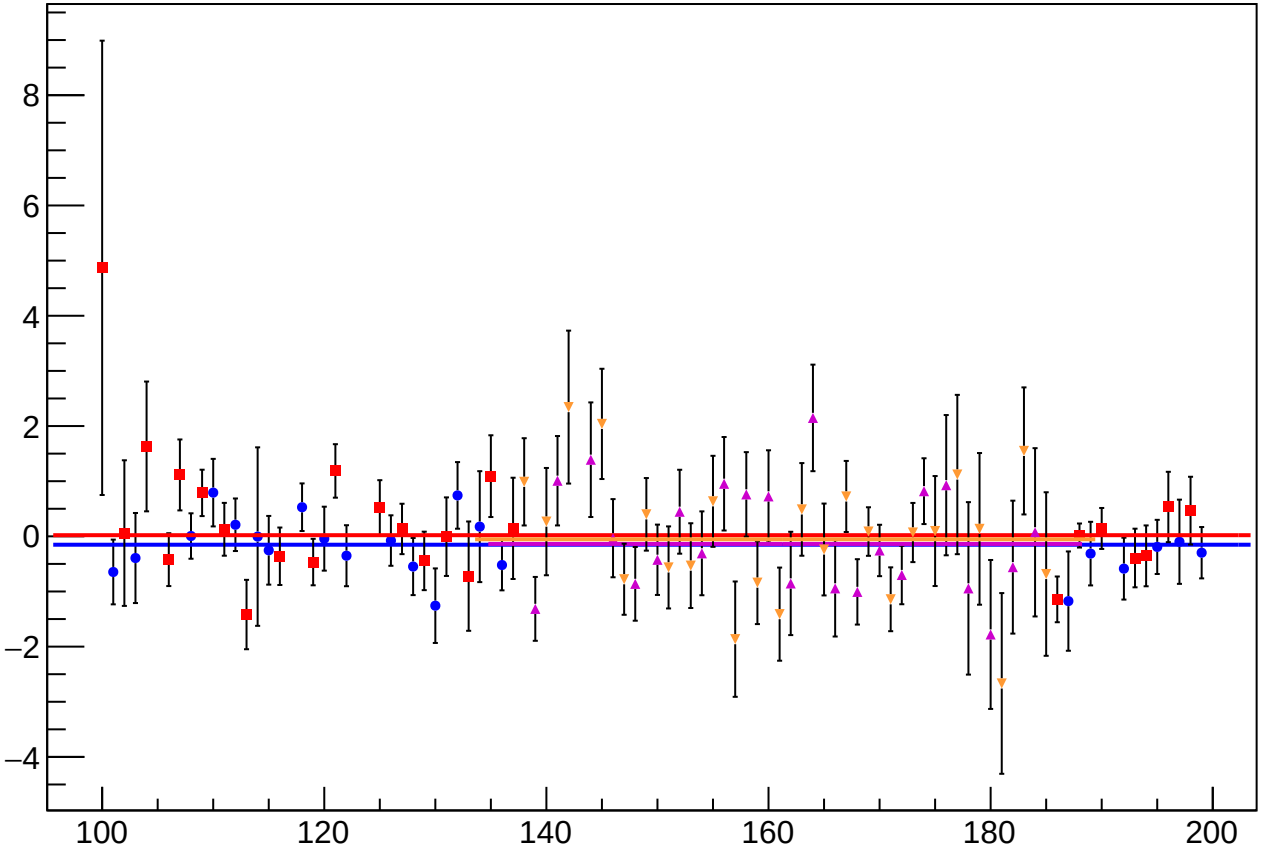
Right: 0.000+/-0.000 χ^2/NDF: 8286379.2/46

In: 0.000+/-0.000 χ^2/NDF:7037666.4/44

Out: 0.000+/-0.000 χ^2/NDF:6379662.3/48

All: 0.000+/-0.000 χ^2/NDF: 13521061.6/93

asym_us_avg_at2lr_avg_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.152+/-0.120 χ^2/NDF: 14.9/21

Left Out: -0.053+/-0.161 χ^2/NDF:30.1/23

Right Out: 0.021+/-0.101 χ^2/NDF: 37.9/24

Left In: -0.138+/-0.158 χ^2/NDF:30.0/22

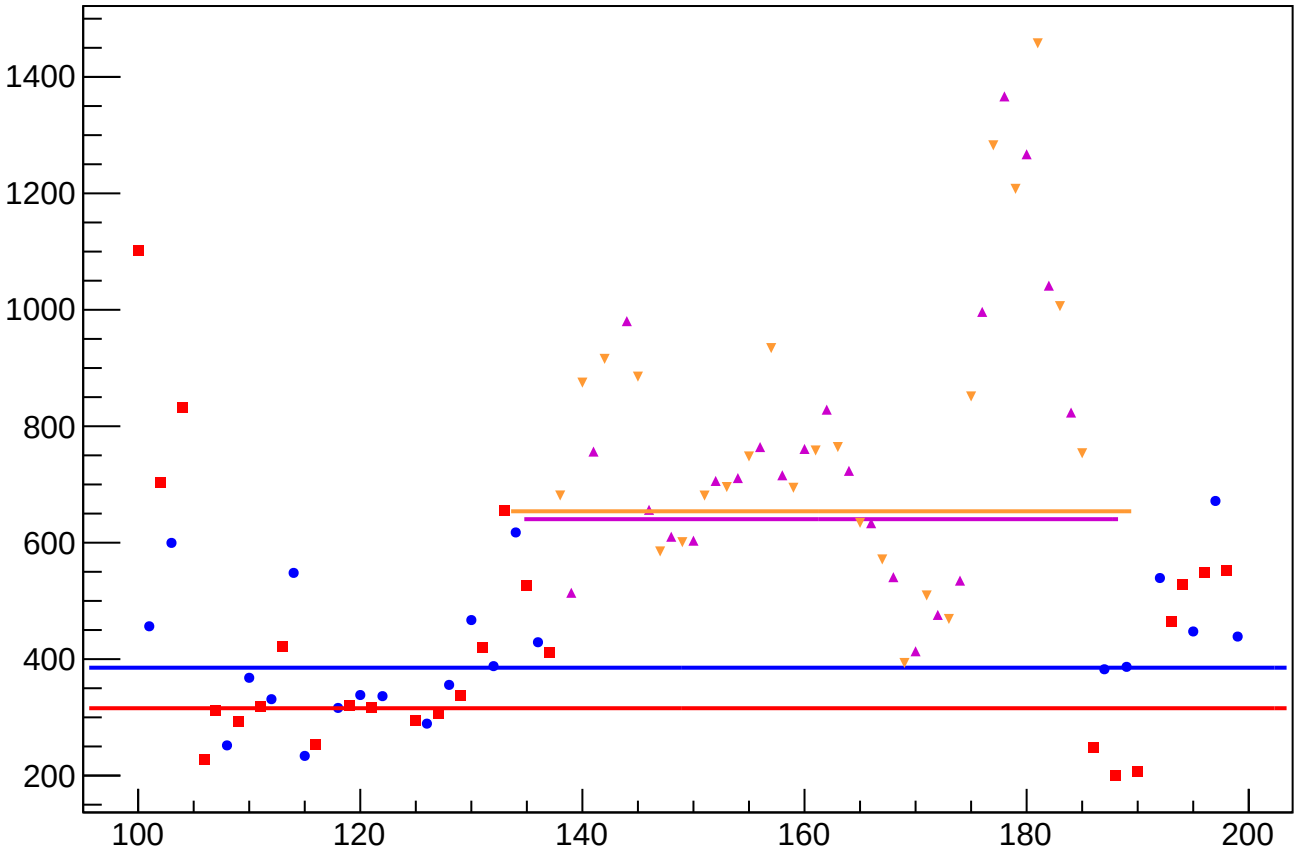
Left: -0.096+/-0.113 χ^2/NDF: 60.2/46

Right: -0.050+/-0.077 χ^2/NDF: 54.0/46

In: -0.147+/-0.096 χ^2/NDF:44.8/44

Out: 0.000+/-0.085 χ^2/NDF:68.2/48

All: -0.065+/-0.064 χ^2/NDF: 114.4/93



Right In: 385.284+/-0.085 χ^2/NDF: 1362299.9/21

Left Out: 653.930+/-0.114 χ^2/NDF:3124472.6/23

Right Out: 315.692+/-0.071 χ^2/NDF: 3065710.2/24

Left In: 640.392+/-0.112 χ^2/NDF:2647967.4/22

Left: 647.014+/-0.080 χ^2/NDF: 5779634.4/46

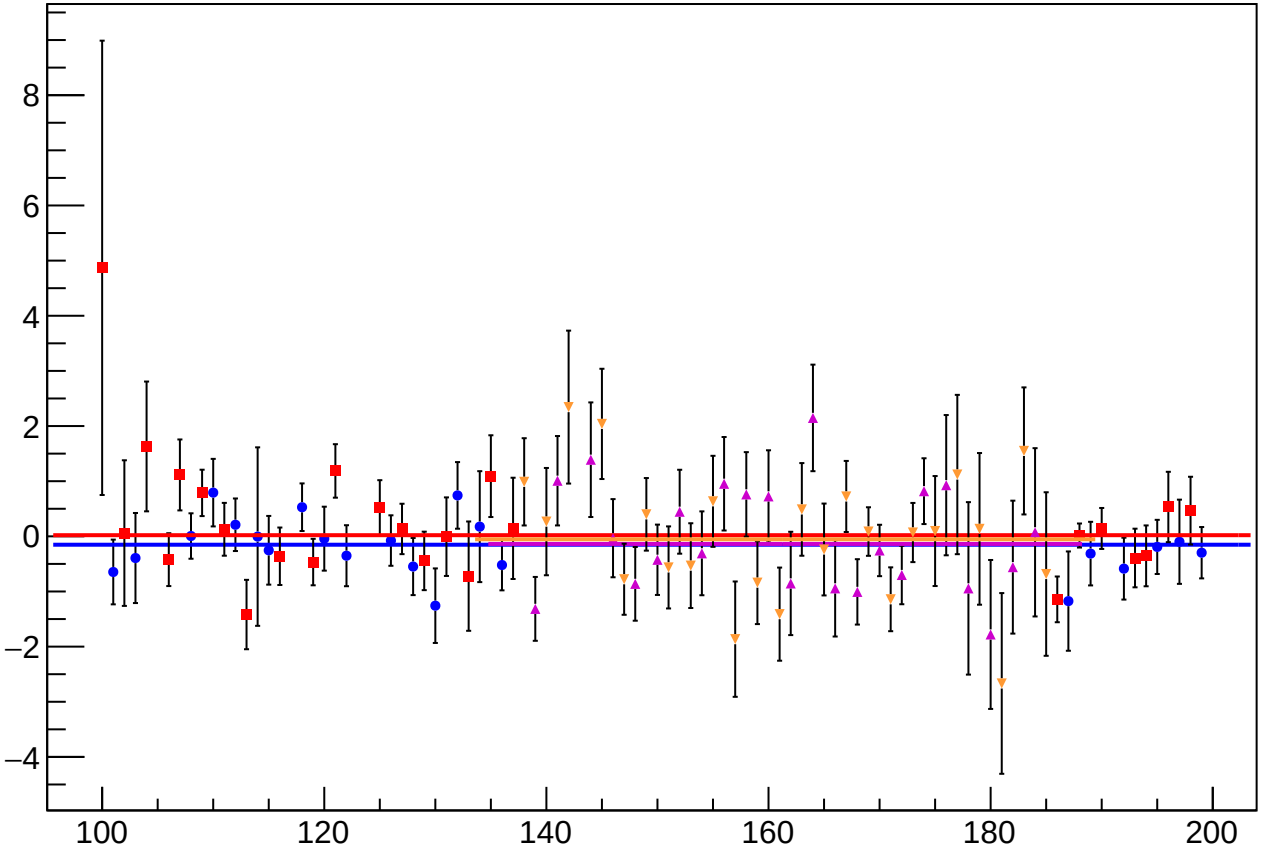
Right: 344.346+/-0.055 χ^2/NDF: 4821086.1/46

In: 479.101+/-0.068 χ^2/NDF:7312370.4/44

Out: 410.566+/-0.060 χ^2/NDF:12515685.8/48

All: 440.953+/-0.045 χ^2/NDF: 20398594.9/93

asym_us_avg_at2lr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.152+/-0.120 χ^2/NDF: 14.9/21

Left Out: -0.053+/-0.161 χ^2/NDF:30.1/23

Right Out: 0.021+/-0.101 χ^2/NDF: 37.9/24

Left In: -0.138+/-0.158 χ^2/NDF:30.0/22

Left: -0.096+/-0.113 χ^2/NDF: 60.2/46

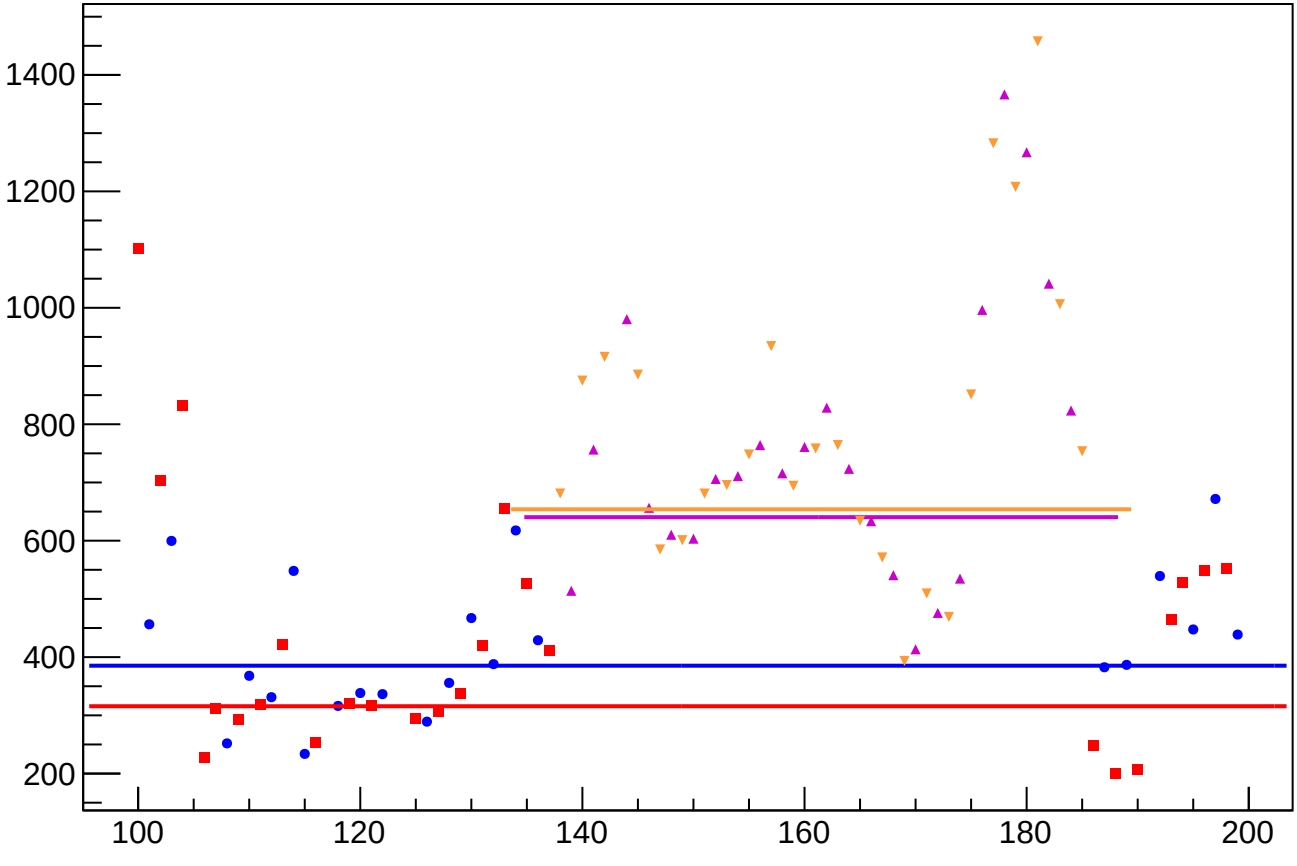
Right: -0.050+/-0.077 χ^2/NDF: 54.0/46

In: -0.147+/-0.096 χ^2/NDF:44.8/44

Out: 0.000+/-0.085 χ^2/NDF:68.2/48

All: -0.065+/-0.064 χ^2/NDF: 114.4/93

asym_us_avg_at2lr_avg_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 385.284+/-0.085 χ^2/NDF: 1362299.9/21

Left Out: 653.930+/-0.114 χ^2/NDF:3124472.6/23

Right Out: 315.692+/-0.071 χ^2/NDF: 3065710.2/24

Left In: 640.392+/-0.112 χ^2/NDF:2647967.4/22

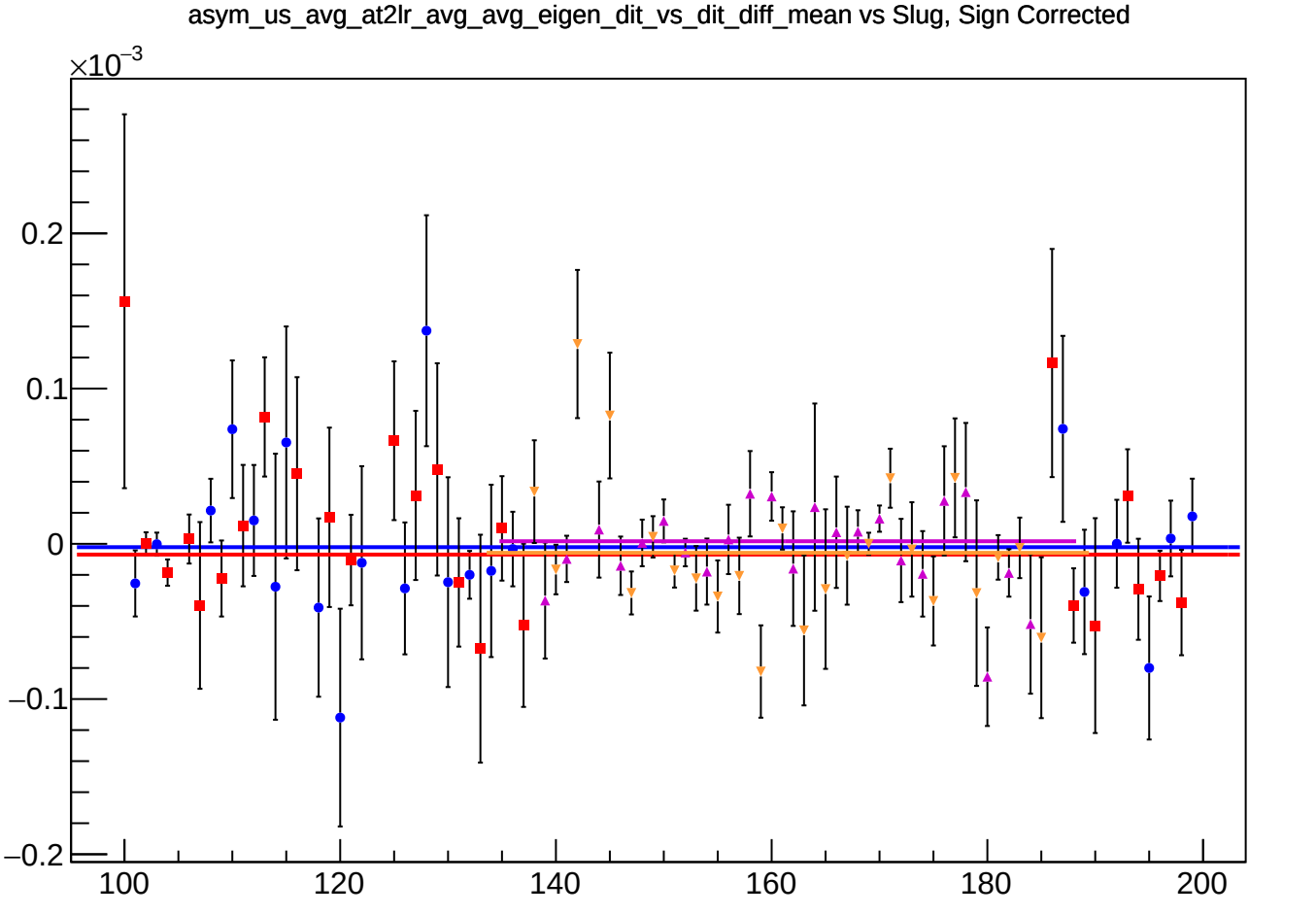
Left: 647.014+/-0.080 χ^2/NDF: 5779634.4/46

Right: 344.346+/-0.055 χ^2/NDF: 4821086.1/46

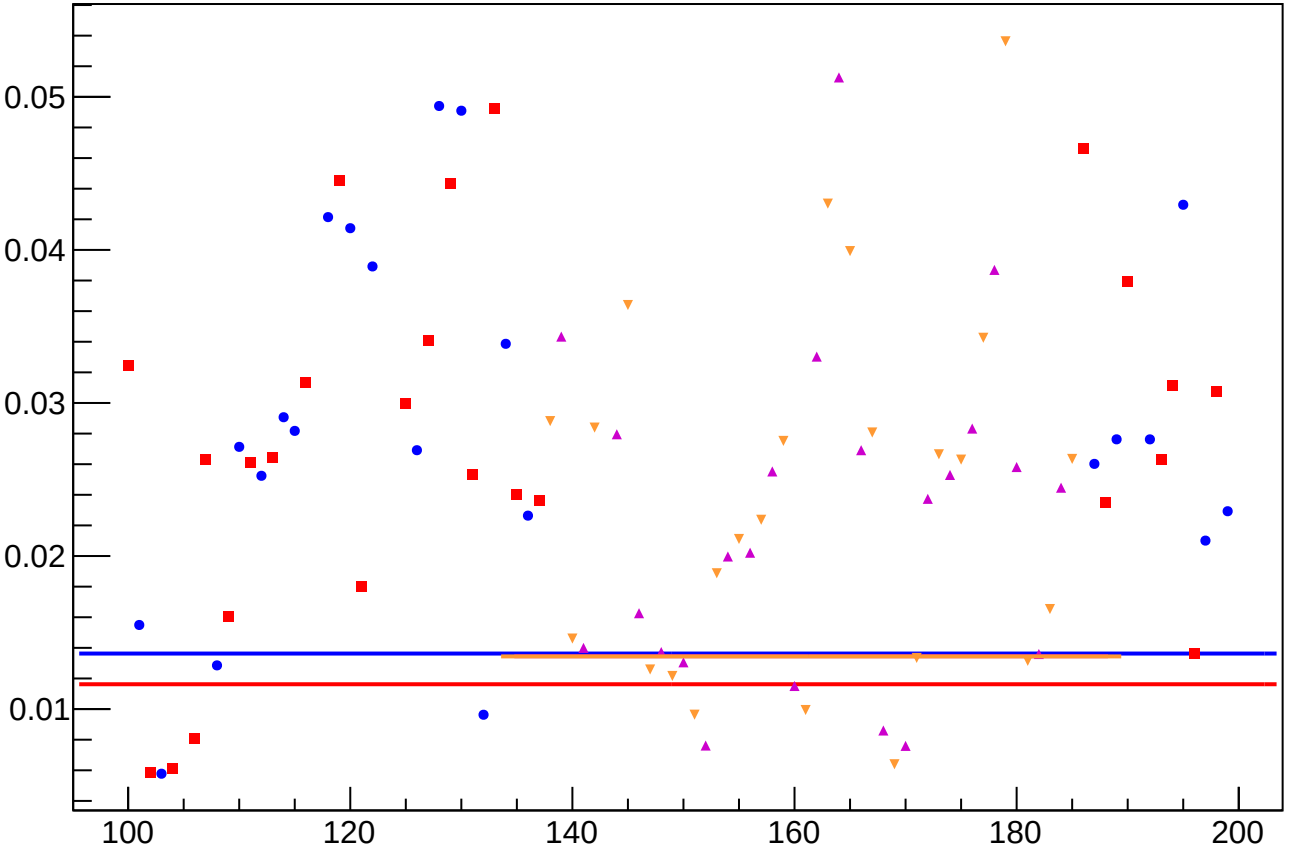
In: 479.101+/-0.068 χ^2/NDF:7312370.4/44

Out: 410.566+/-0.060 χ^2/NDF:12515685.8/48

All: 440.953+/-0.045 χ^2/NDF: 20398594.9/93


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: 20.8/21
Left Out: -0.000+/-0.000 χ²/NDF:42.6/23
Right Out: -0.000+/-0.000 χ²/NDF: 26.1/24
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: 47.3/46
In: 0.000+/-0.000 χ²/NDF:46.7/44
Out: -0.000+/-0.000 χ²/NDF:68.7/48
All: -0.000+/-0.000 χ²/NDF: 118.0/93

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: 7921870.4/21

Left Out: 0.013+/-0.000 χ^2/NDF:8856192.5/23

Right Out: 0.012+/-0.000 χ^2/NDF: 9260450.4/24

Left In: 0.013+/-0.000 χ^2/NDF:7548263.6/22

Left: 0.013+/-0.000 χ^2/NDF: 16404470.0/46

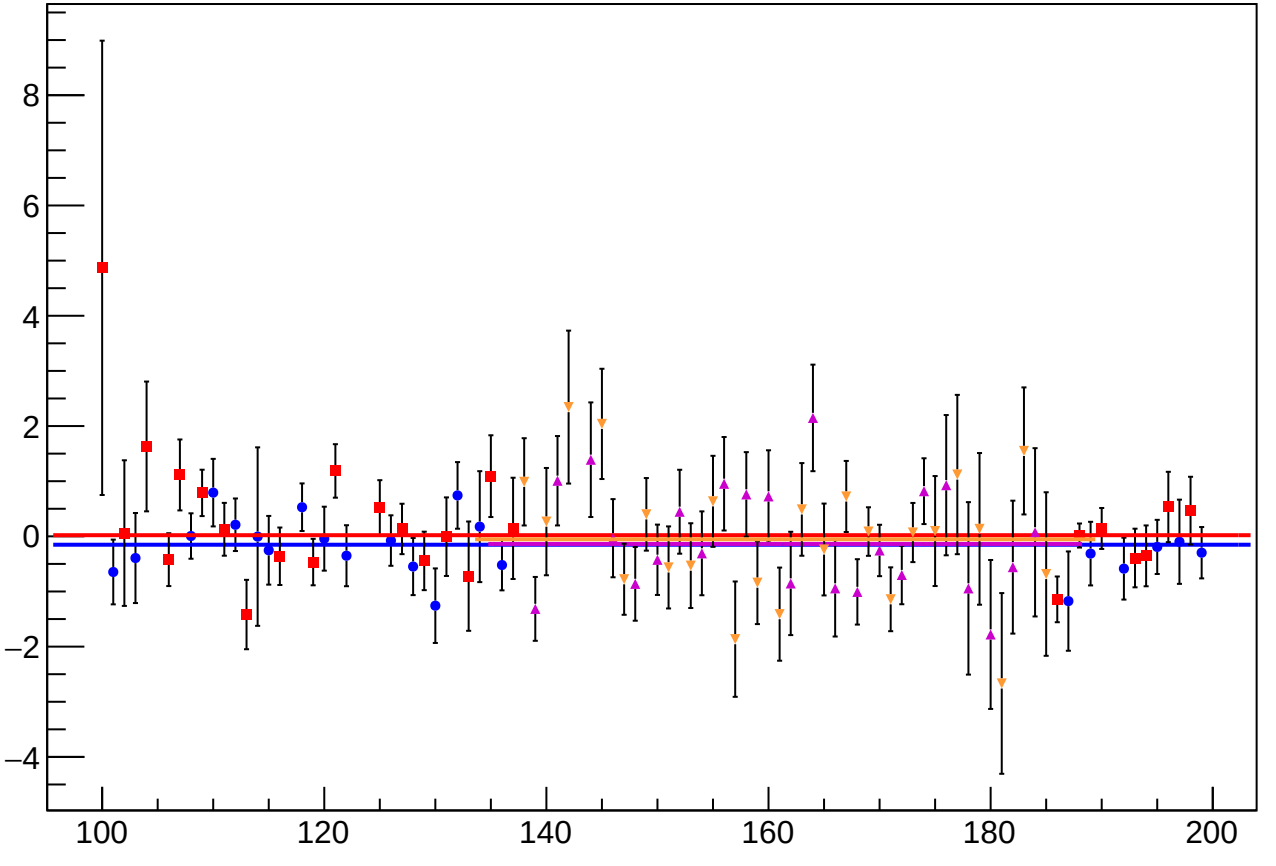
Right: 0.012+/-0.000 χ^2/NDF: 17362089.2/46

In: 0.014+/-0.000 χ^2/NDF:15471621.7/44

Out: 0.013+/-0.000 χ^2/NDF:18320960.5/48

All: 0.013+/-0.000 χ^2/NDF: 33876953.6/93

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.152+/-0.120 χ^2/NDF: 14.9/21

Left Out: -0.053+/-0.161 χ^2/NDF:30.1/23

Right Out: 0.021+/-0.101 χ^2/NDF: 37.9/24

Left In: -0.138+/-0.158 χ^2/NDF:30.0/22

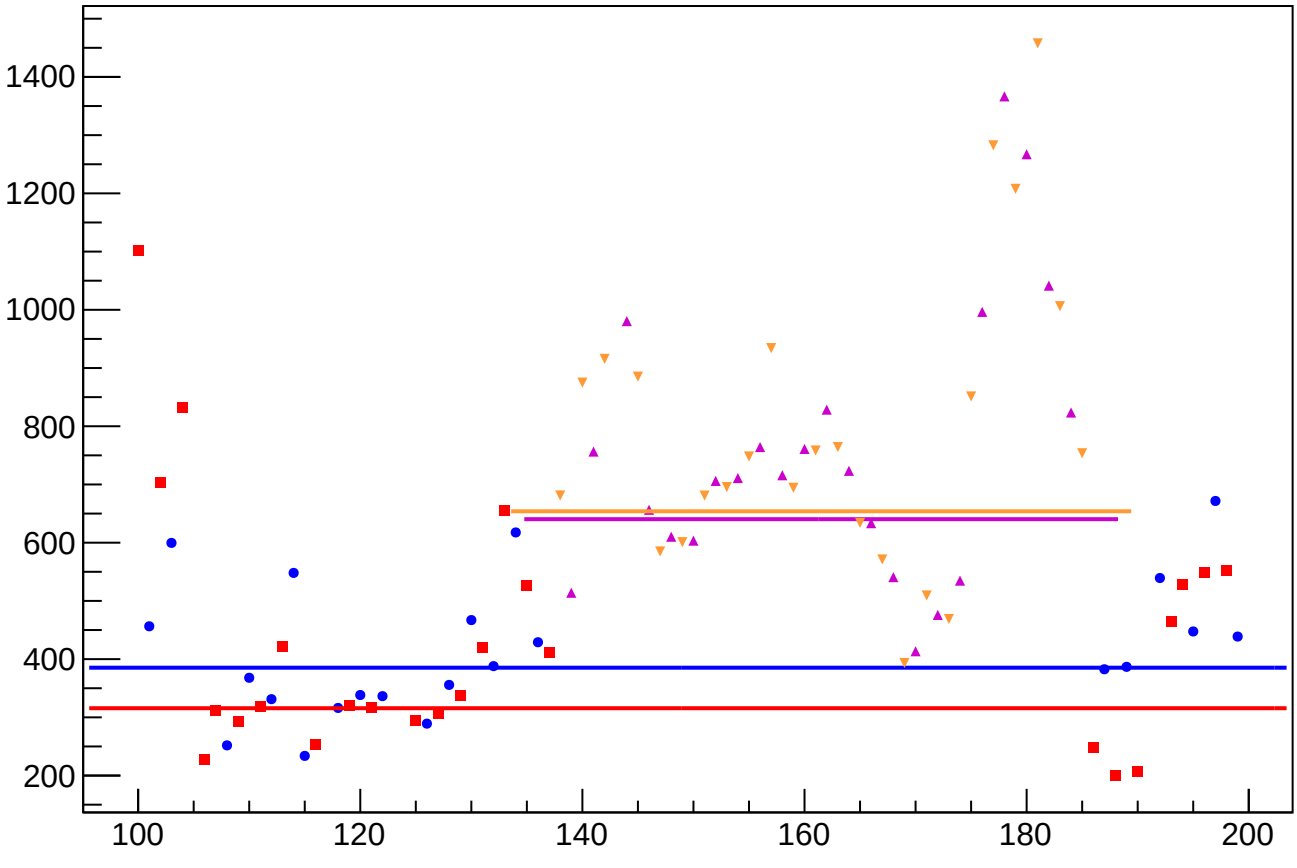
Left: -0.096+/-0.113 χ^2/NDF: 60.2/46

Right: -0.050+/-0.077 χ^2/NDF: 54.0/46

In: -0.147+/-0.096 χ^2/NDF:44.8/44

Out: 0.000+/-0.085 χ^2/NDF:68.2/48

All: -0.065+/-0.064 χ^2/NDF: 114.4/93



Right In: 385.284+/-0.085 χ^2/NDF: 1362270.6/21

Left Out: 653.930+/-0.114 χ^2/NDF:3124692.9/23

Right Out: 315.686+/-0.071 χ^2/NDF: 3065867.6/24

Left In: 640.395+/-0.112 χ^2/NDF:2648118.2/22

Left: 647.016+/-0.080 χ^2/NDF: 5780002.9/46

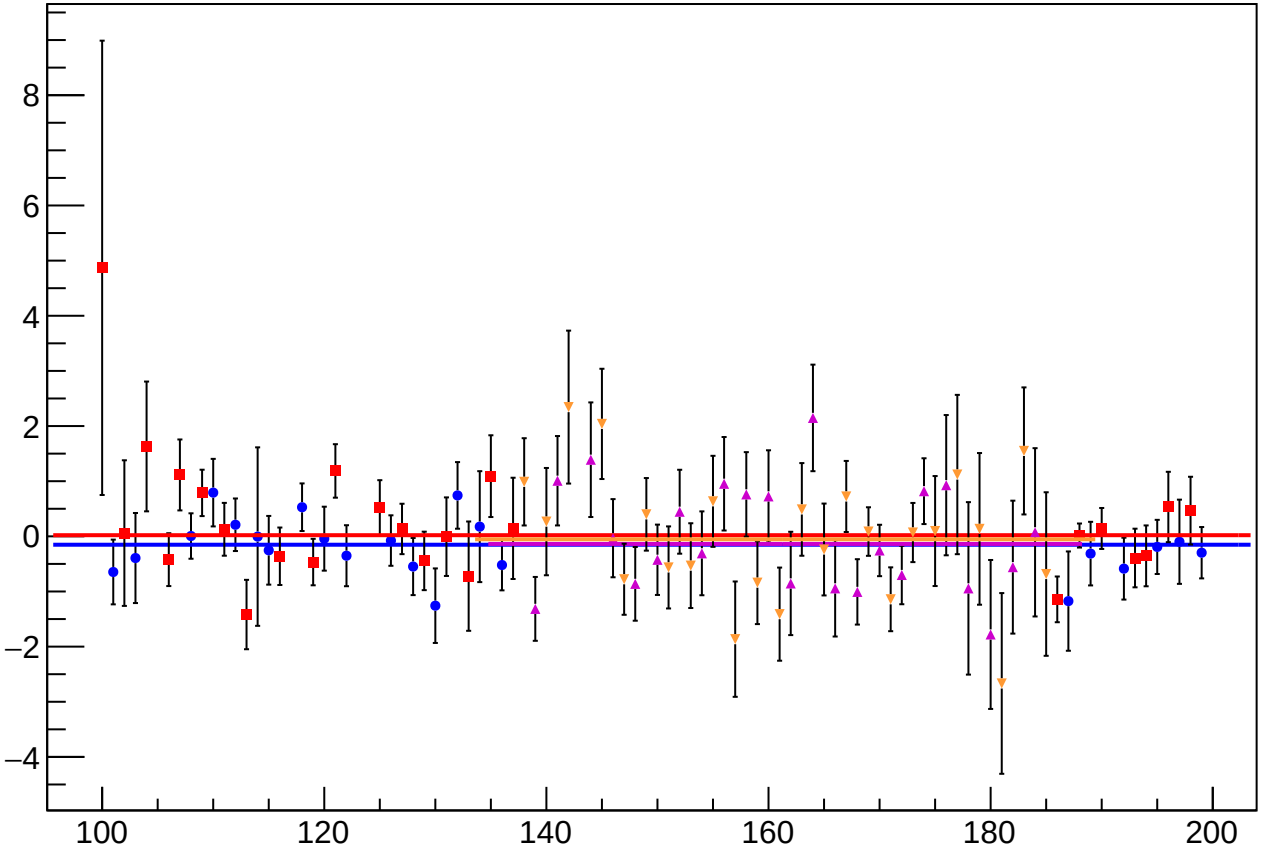
Right: 344.342+/-0.055 χ^2/NDF: 4821284.7/46

In: 479.101+/-0.068 χ^2/NDF:7312559.9/44

Out: 410.559+/-0.060 χ^2/NDF:12516334.1/48

All: 440.948+/-0.045 χ^2/NDF: 20399546.5/93

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.152+/-0.120 χ^2/NDF: 14.9/21

Left Out: -0.053+/-0.161 χ^2/NDF:30.1/23

Right Out: 0.021+/-0.101 χ^2/NDF: 37.9/24

Left In: -0.138+/-0.158 χ^2/NDF:30.0/22

Left: -0.096+/-0.113 χ^2/NDF: 60.2/46

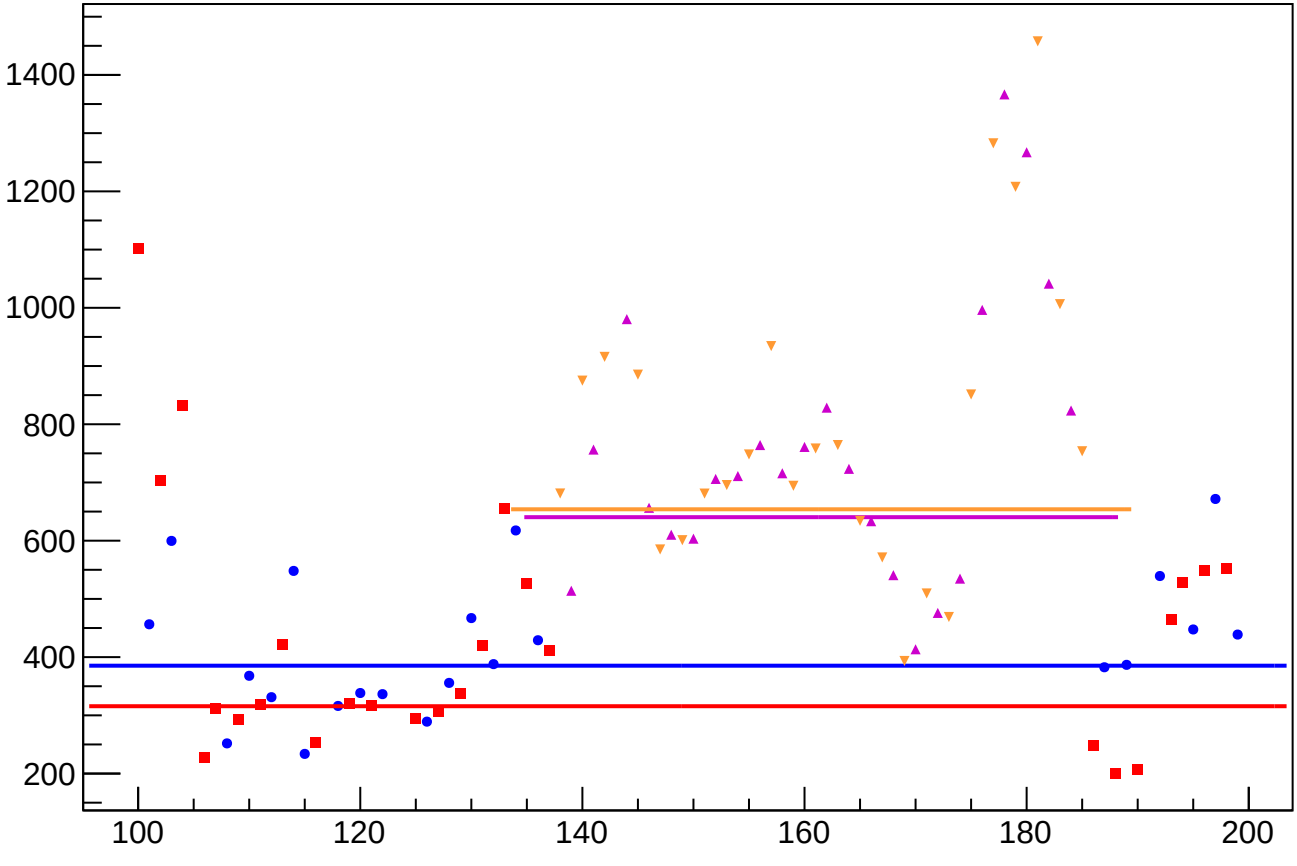
Right: -0.050+/-0.077 χ^2/NDF: 54.0/46

In: -0.147+/-0.096 χ^2/NDF:44.8/44

Out: 0.000+/-0.085 χ^2/NDF:68.2/48

All: -0.065+/-0.064 χ^2/NDF: 114.4/93

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 385.284+/-0.085 χ^2/NDF: 1362270.6/21

Left Out: 653.930+/-0.114 χ^2/NDF:3124692.9/23

Right Out: 315.686+/-0.071 χ^2/NDF: 3065867.6/24

Left In: 640.395+/-0.112 χ^2/NDF:2648118.2/22

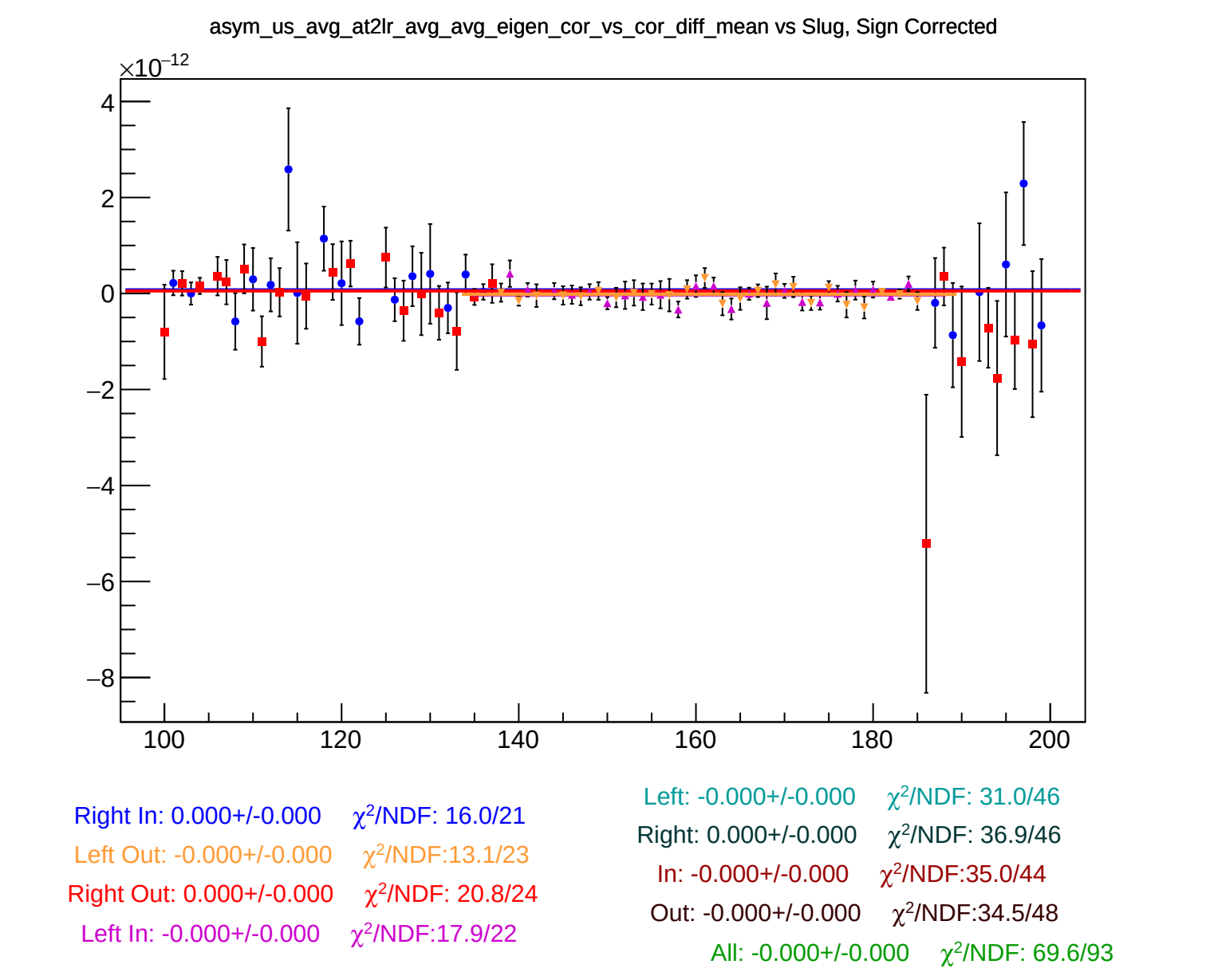
Left: 647.016+/-0.080 χ^2/NDF: 5780002.9/46

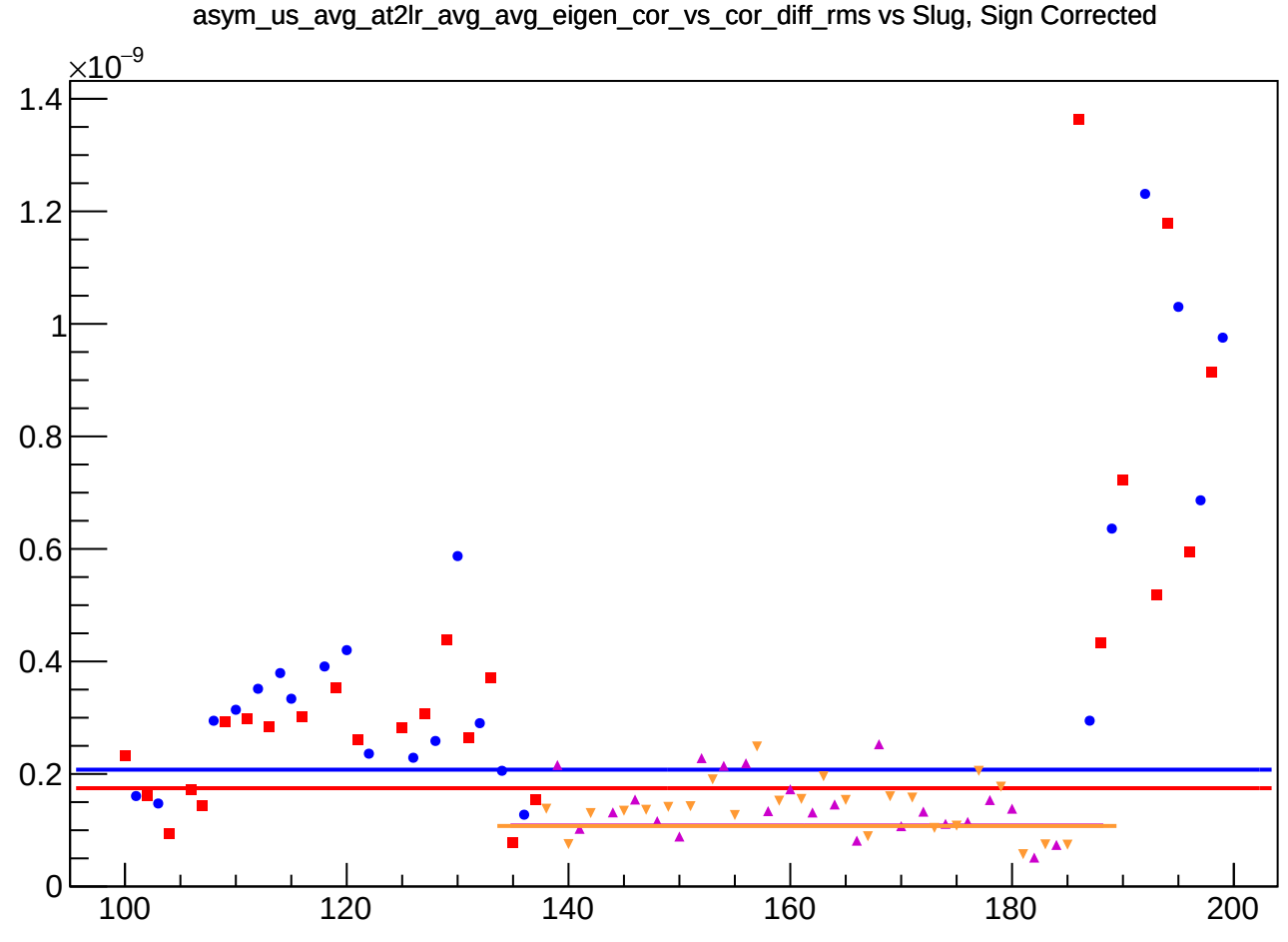
Right: 344.342+/-0.055 χ^2/NDF: 4821284.7/46

In: 479.101+/-0.068 χ^2/NDF:7312559.9/44

Out: 410.559+/-0.060 χ^2/NDF:12516334.1/48

All: 440.948+/-0.045 χ^2/NDF: 20399546.5/93


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: 16.0/21
Left Out: -0.000+/-0.000 χ²/NDF:13.1/23
Right Out: 0.000+/-0.000 χ²/NDF: 20.8/24
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: 36.9/46
In: -0.000+/-0.000 χ²/NDF:35.0/44
Out: -0.000+/-0.000 χ²/NDF:34.5/48
All: -0.000+/-0.000 χ²/NDF: 69.6/93



Right In: 0.000+/-0.000 χ^2/NDF: 4440390.0/21

Left Out: 0.000+/-0.000 χ^2/NDF:3452023.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 5143156.4/24

Left In: 0.000+/-0.000 χ^2/NDF:3869719.7/22

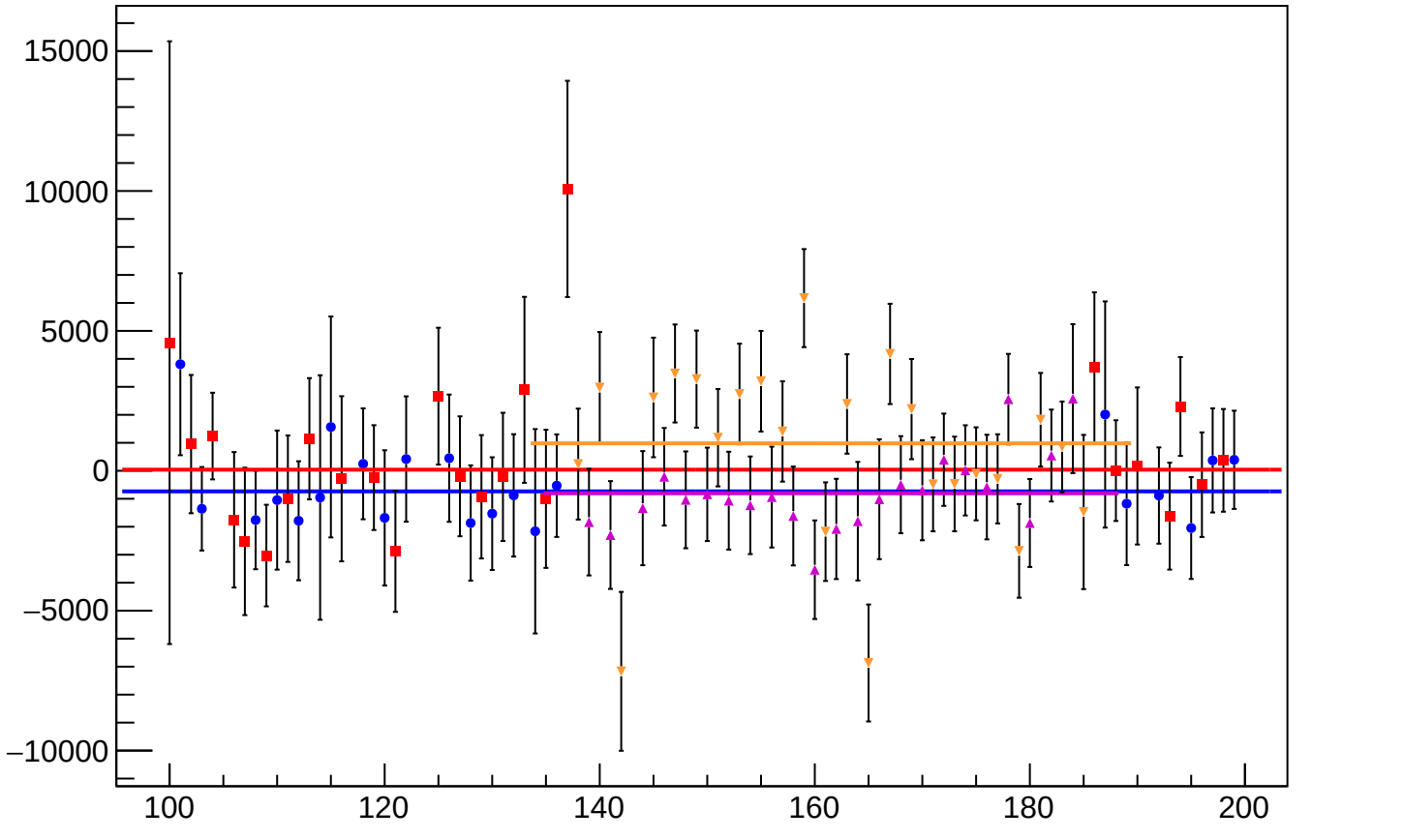
Left: 0.000+/-0.000 χ^2/NDF: 7322414.2/46

Right: 0.000+/-0.000 χ^2/NDF: 9719612.7/46

In: 0.000+/-0.000 χ^2/NDF:10268503.5/44

Out: 0.000+/-0.000 χ^2/NDF:9712878.8/48

All: 0.000+/-0.000 χ^2/NDF: 19988359.8/93



Right In: -735.954+/-457.849 χ^2/NDF: 6.4/21

Left Out: 981.627+/-370.843 χ^2/NDF:55.5/23

Right Out: 39.545+/-443.524 χ^2/NDF: 21.0/24

Left In: -803.908+/-374.066 χ^2/NDF:12.4/22

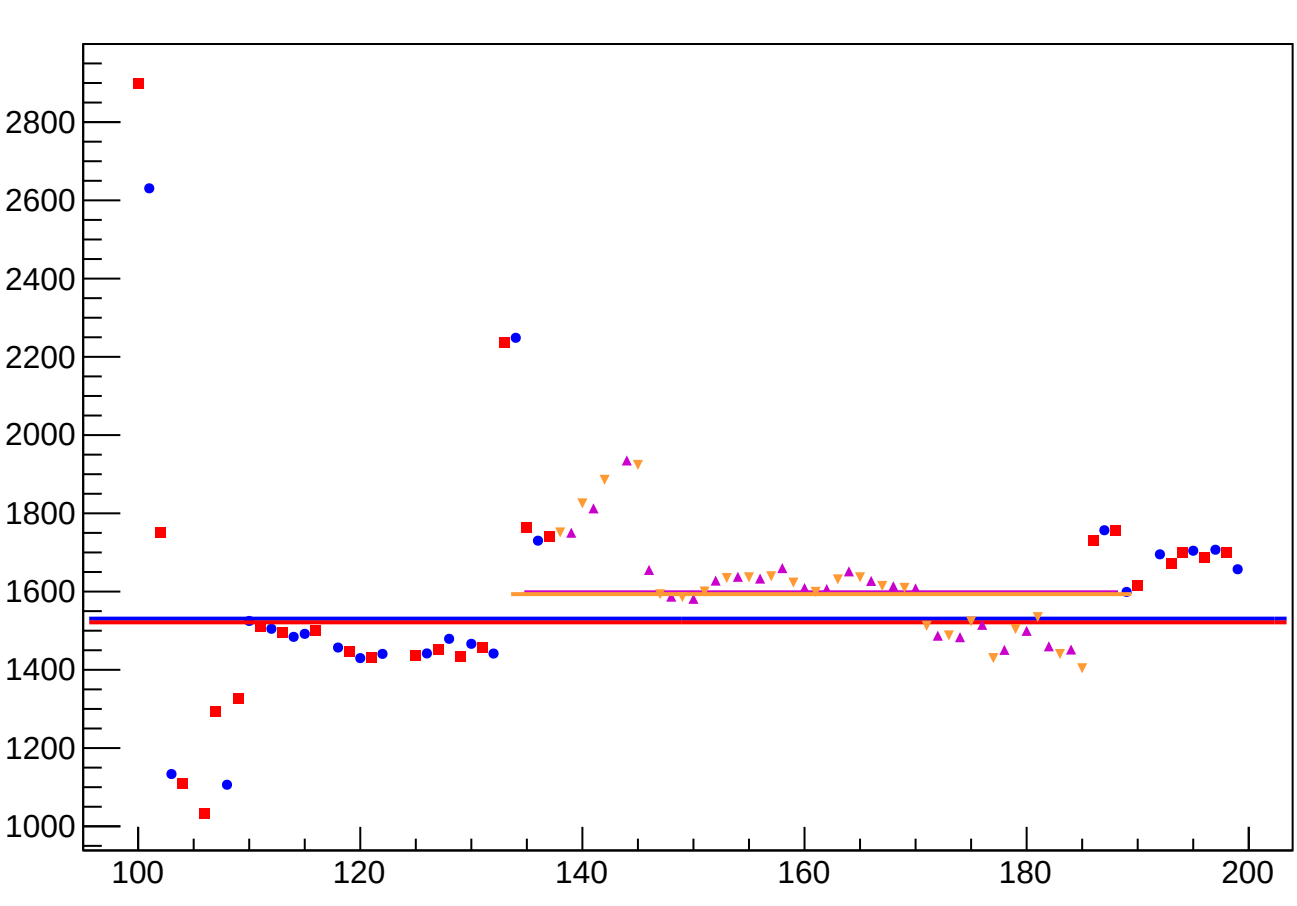
Left: 96.584+/-263.358 χ^2/NDF: 79.5/46

Right: -335.883+/-318.563 χ^2/NDF: 28.9/46

In: -776.706+/-289.678 χ^2/NDF:18.9/44

Out: 594.001+/-284.498 χ^2/NDF:79.2/48

All: -78.989+/-202.977 χ^2/NDF: 109.4/93



Right In: 1530.799+/-0.324 χ^2/NDF: 680643.9/21

Left Out: 1593.482+/-0.262 χ^2/NDF:187613.7/23

Right Out: 1521.343+/-0.312 χ^2/NDF: 585085.1/24

Left In: 1598.119+/-0.265 χ^2/NDF:169157.7/22

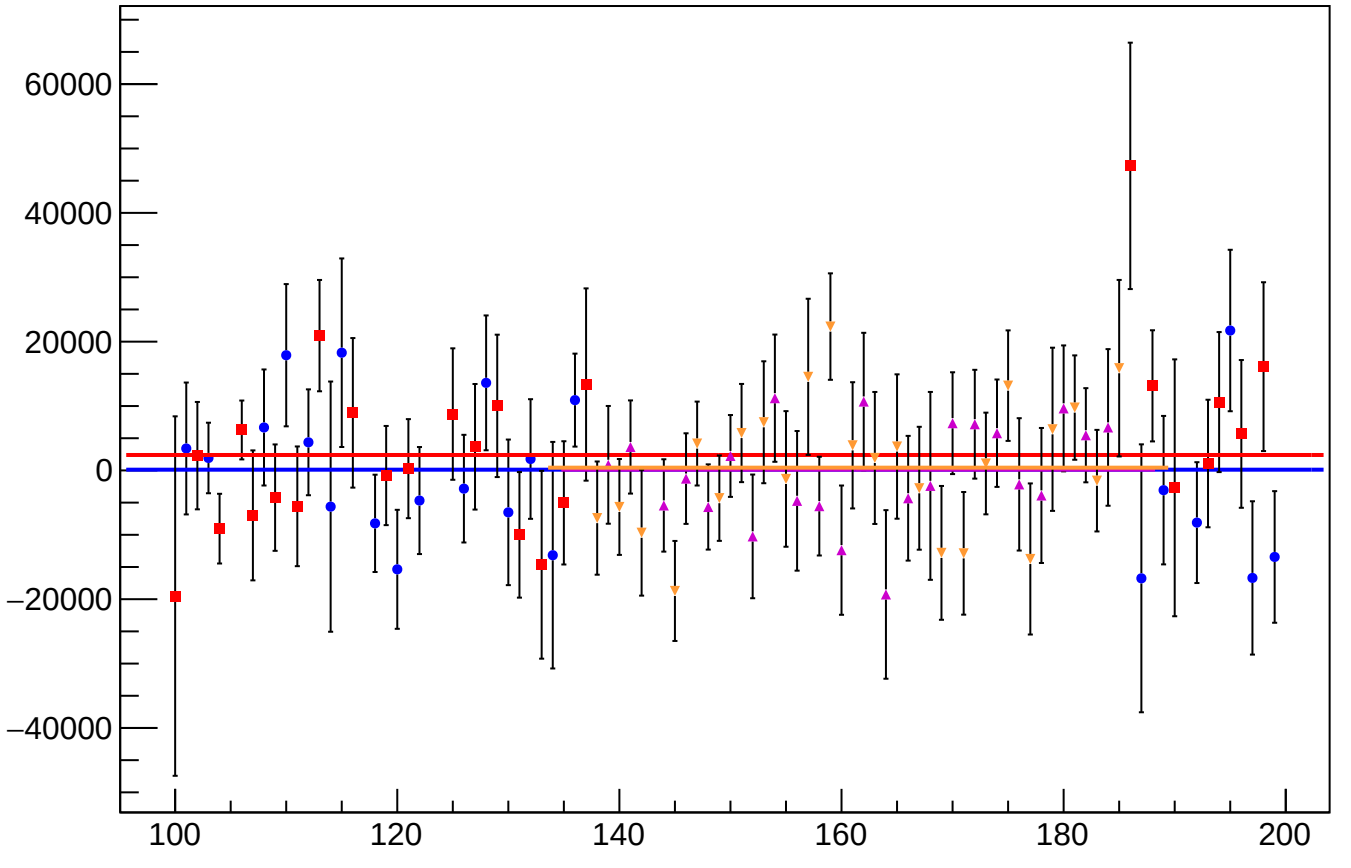
Left: 1595.780+/-0.186 χ^2/NDF: 356926.4/46

Right: 1525.898+/-0.225 χ^2/NDF: 1266171.2/46

In: 1571.171+/-0.205 χ^2/NDF:875731.6/44

Out: 1563.630+/-0.201 χ^2/NDF:804016.9/48

All: 1567.325+/-0.143 χ^2/NDF: 1680439.8/93



Right In: 113.940+/-2047.322 χ^2/NDF: 22.8/21

Left Out: 426.701+/-1819.878 χ^2/NDF:29.4/23

Right Out: 2397.912+/-1832.279 χ^2/NDF: 27.1/24

Left In: 126.369+/-1814.830 χ^2/NDF:13.9/22

Left: 276.118+/-1285.060 χ^2/NDF: 43.3/46

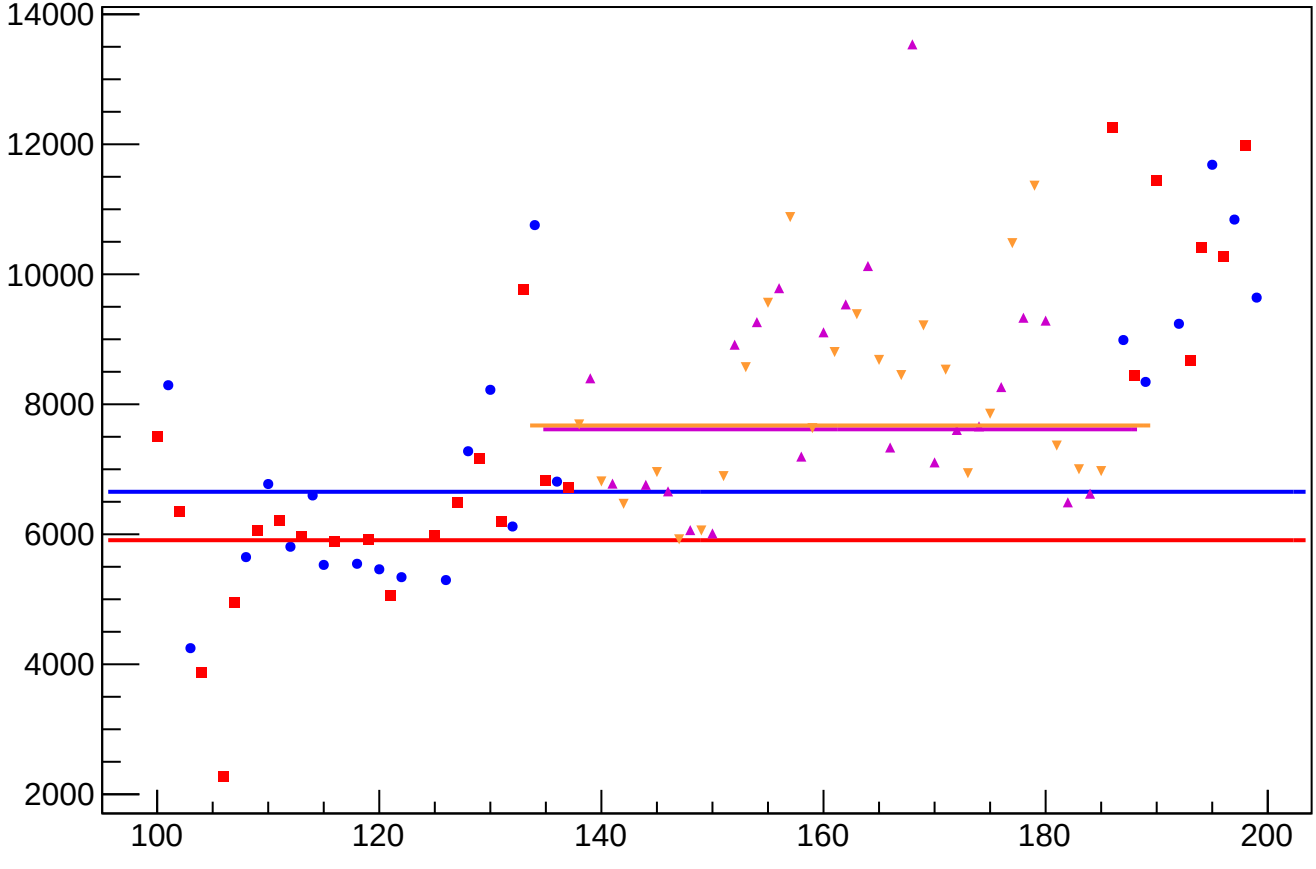
Right: 1382.136+/-1365.336 χ^2/NDF: 50.6/46

In: 120.900+/-1358.070 χ^2/NDF:36.6/44

Out: 1405.613+/-1291.210 χ^2/NDF:57.1/48

All: 795.658+/-935.768 χ^2/NDF: 94.2/93

asym_us_avg_at2lr_avg_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 6653.844+/-1.448 χ^2/NDF: 1796028.8/21

Left Out: 7674.060+/-1.287 χ^2/NDF:1076713.7/23

Right Out: 5908.812+/-1.296 χ^2/NDF: 3568725.1/24

Left In: 7614.974+/-1.283 χ^2/NDF:1224520.2/22

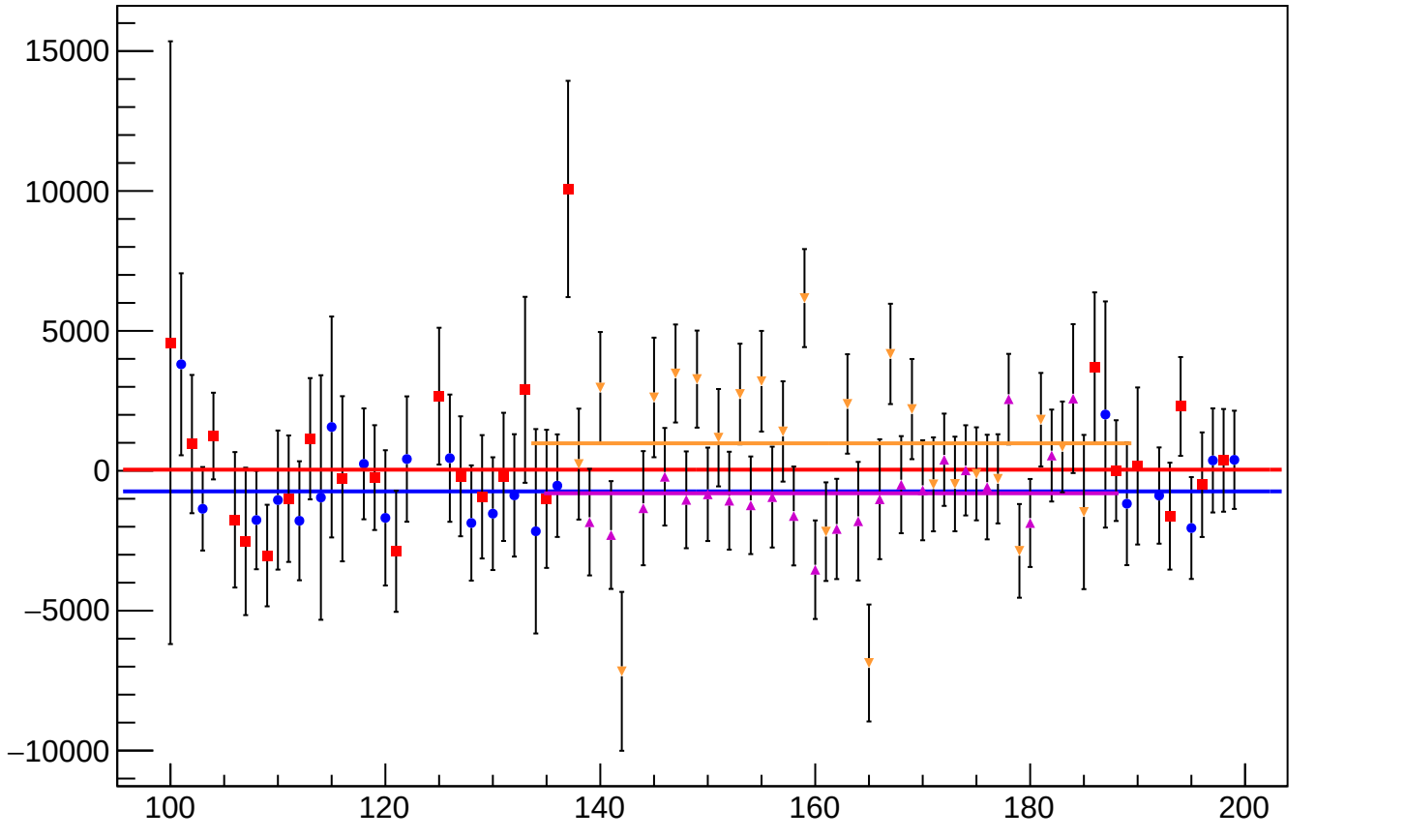
Left: 7644.435+/-0.909 χ^2/NDF: 2302291.0/46

Right: 6240.158+/-0.965 χ^2/NDF: 5511816.9/46

In: 7192.057+/-0.960 χ^2/NDF:3267377.0/44

Out: 6797.430+/-0.913 χ^2/NDF:5579913.7/48

All: 6984.791+/-0.662 χ^2/NDF: 8935986.4/93


cor_asym_us_avg_at2lr_avg_dd_mean vs Slug, Sign Corrected
15000
10000
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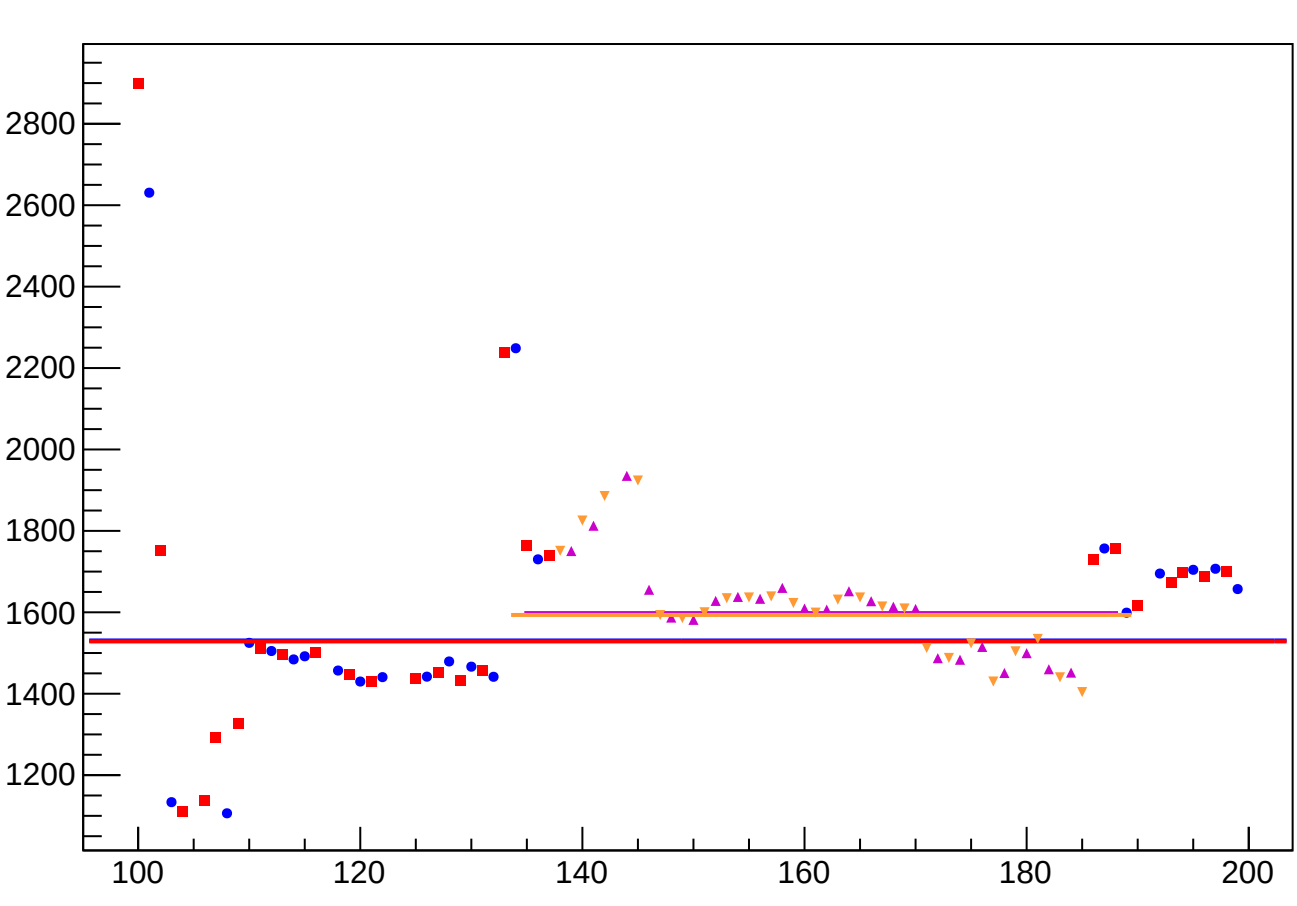
−5000
−10000
100
120
140
160
180
200
Right In: -736.027+/-457.849 χ²/NDF: 6.4/21
Left Out: 981.712+/-370.843 χ²/NDF:55.6/23
Right Out: 39.632+/-443.524 χ²/NDF: 21.0/24
Left In: -803.783+/-374.066 χ²/NDF:12.4/22
Left: 96.688+/-263.358 χ²/NDF: 79.5/46
Right: -335.873+/-318.563 χ²/NDF: 28.9/46
In: -776.660+/-289.678 χ²/NDF:18.9/44
Out: 594.086+/-284.498 χ²/NDF:79.2/48
All: -78.922+/-202.977 χ²/NDF: 109.4/93



Right In: 1530.799+/-0.324 χ^2/NDF: 680644.3/21

Left Out: 1593.482+/-0.262 χ^2/NDF:187613.7/23

Right Out: 1528.417+/-0.313 χ^2/NDF: 534578.2/24

Left In: 1598.119+/-0.265 χ^2/NDF:169157.7/22

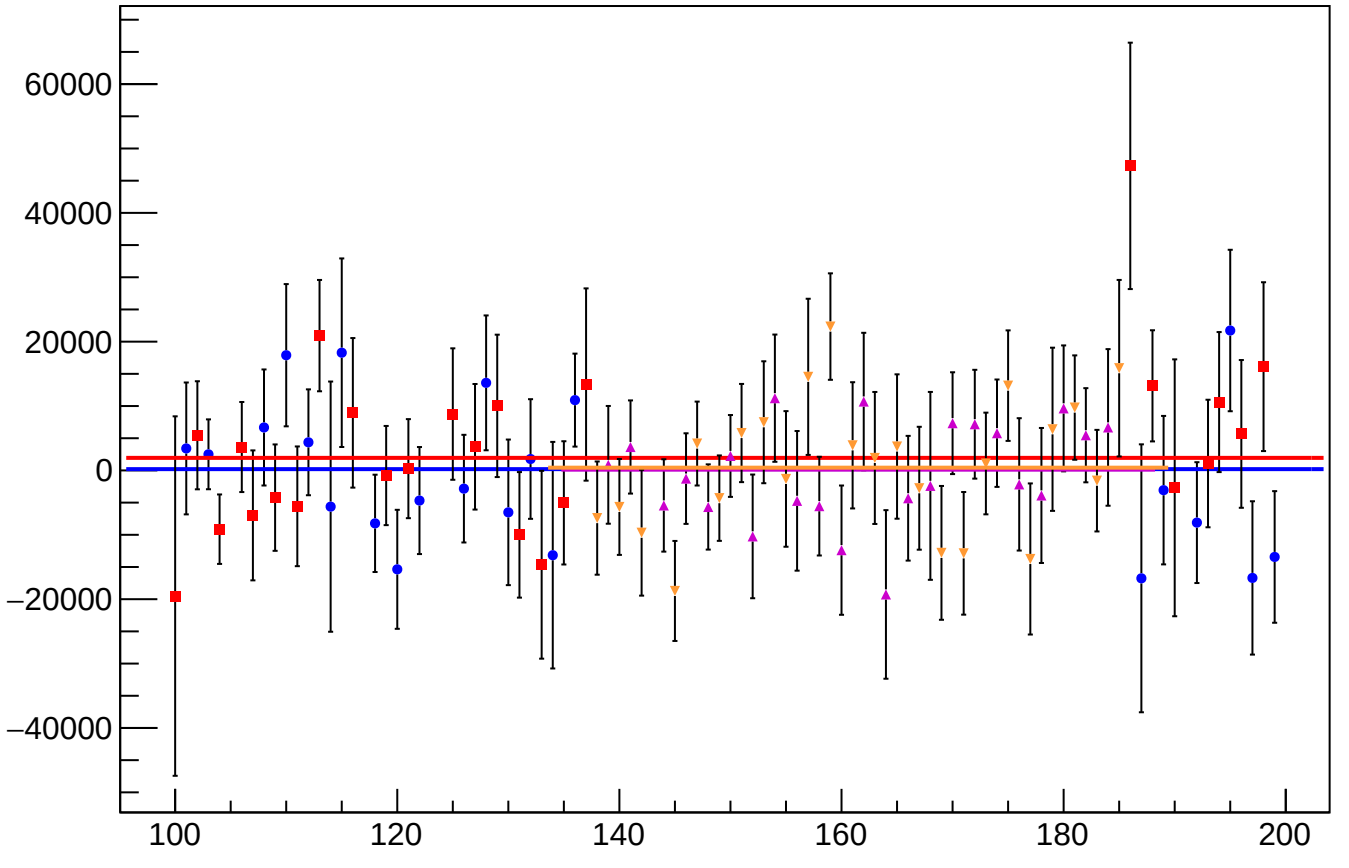
Left: 1595.780+/-0.186 χ^2/NDF: 356926.4/46

Right: 1529.568+/-0.225 χ^2/NDF: 1215250.4/46

In: 1571.171+/-0.205 χ^2/NDF:875732.1/44

Out: 1566.663+/-0.201 χ^2/NDF:747568.7/48

All: 1568.875+/-0.143 χ^2/NDF: 1623547.4/93



Right In: 200.180+/-2044.549 χ^2/NDF: 22.9/21

Left Out: 426.702+/-1819.879 χ^2/NDF:29.4/23

Right Out: 1949.375+/-1922.667 χ^2/NDF: 26.6/24

Left In: 126.376+/-1814.828 χ^2/NDF:13.9/22

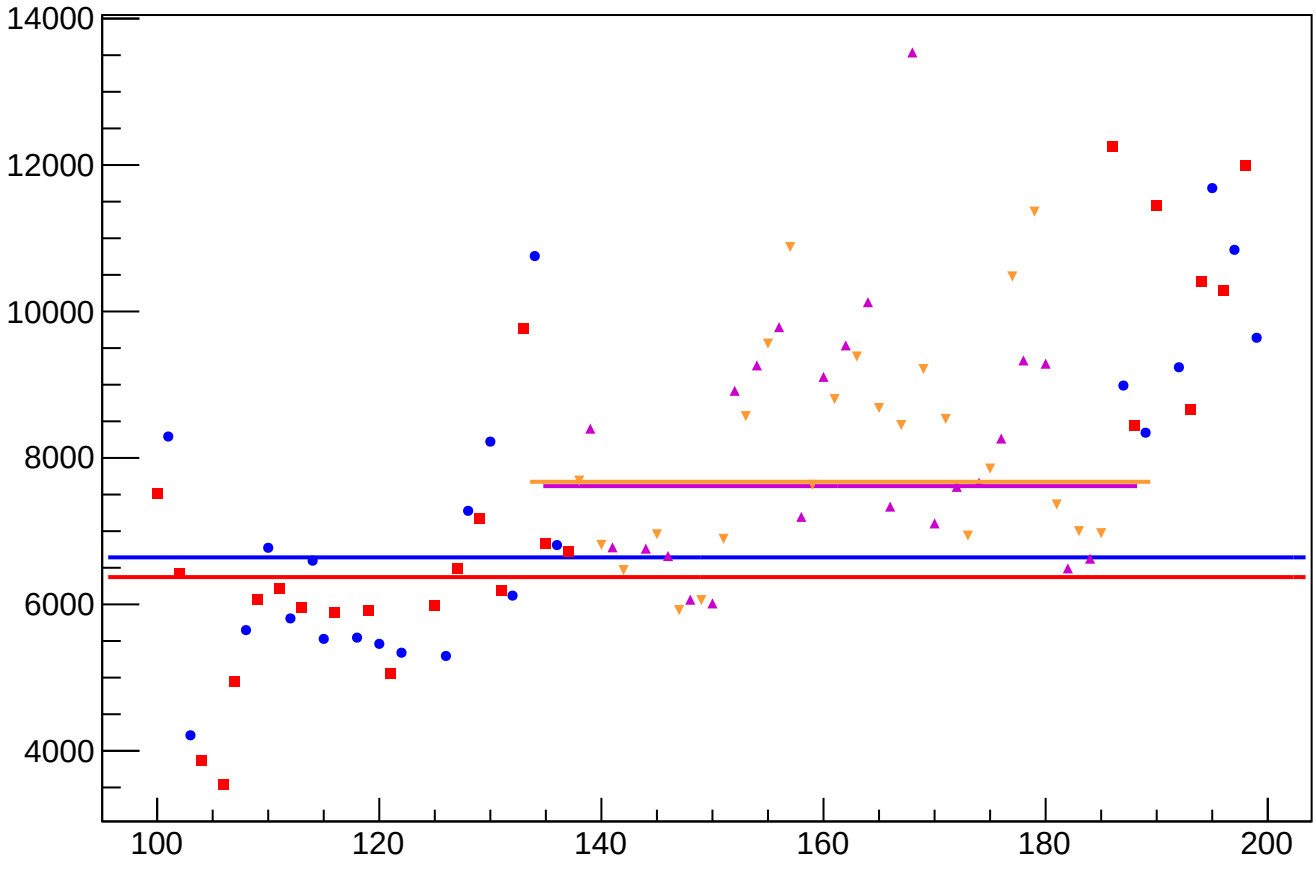
Left: 276.121+/-1285.059 χ^2/NDF: 43.3/46

Right: 1128.466+/-1400.638 χ^2/NDF: 49.8/46

In: 158.900+/-1357.259 χ^2/NDF:36.7/44

Out: 1146.250+/-1321.693 χ^2/NDF:56.3/48

All: 665.681+/-946.902 χ^2/NDF: 93.3/93



Right In: 6642.249+/-1.446 χ^2/NDF: 1815175.3/21

Left Out: 7674.063+/-1.287 χ^2/NDF:1076712.6/23

Right Out: 6372.694+/-1.360 χ^2/NDF: 2422721.9/24

Left In: 7614.964+/-1.283 χ^2/NDF:1224525.6/22

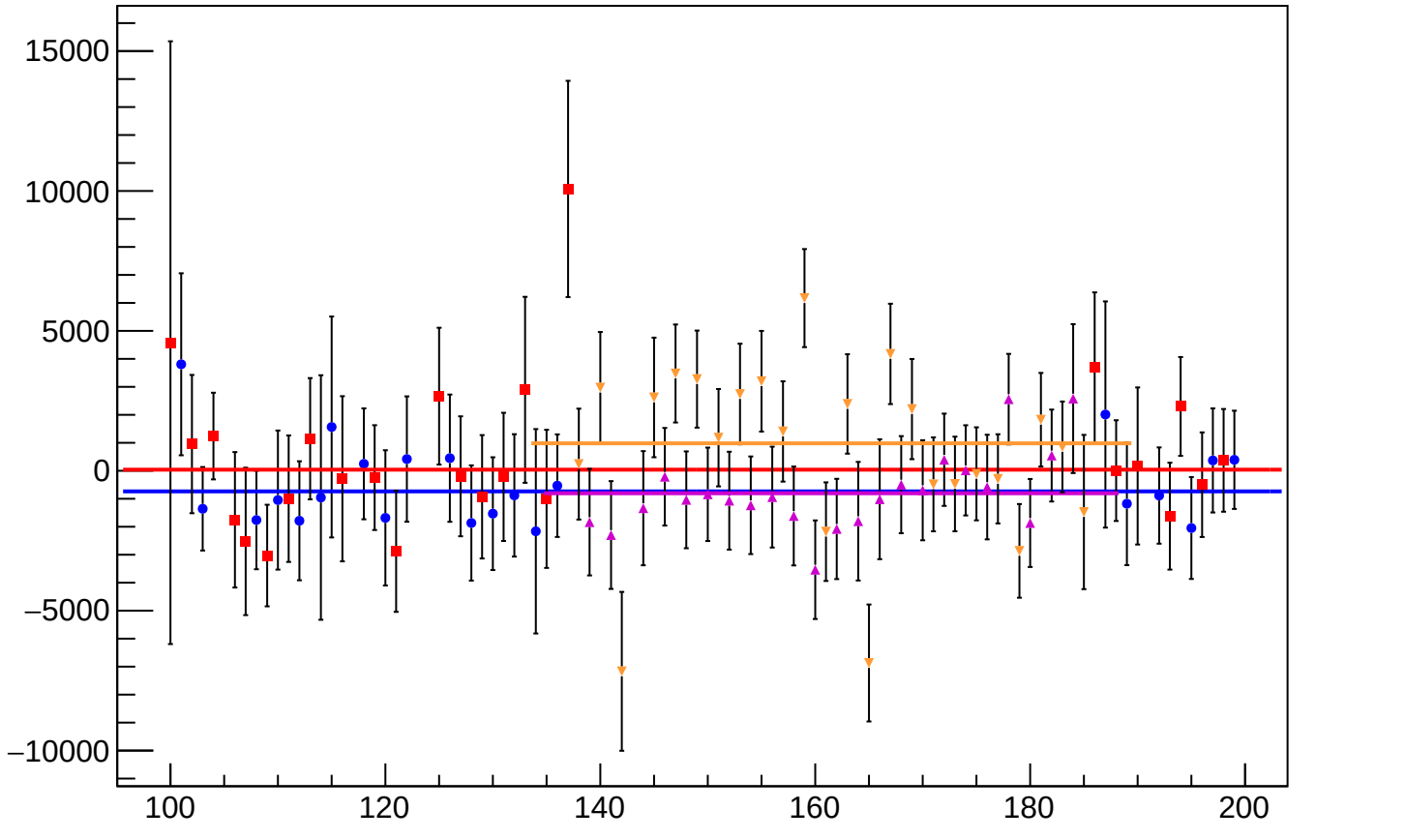
Left: 7644.431+/-0.909 χ^2/NDF: 2302295.7/46

Right: 6499.198+/-0.990 χ^2/NDF: 4256346.2/46

In: 7186.301+/-0.960 χ^2/NDF:3292899.2/44

Out: 7059.093+/-0.935 χ^2/NDF:3982714.2/48

All: 7121.009+/-0.670 χ^2/NDF: 7284630.8/93


eigen_cor_asym_us_avg_at2lr_avg_dd_mean vs Slug, Sign Corrected
15000
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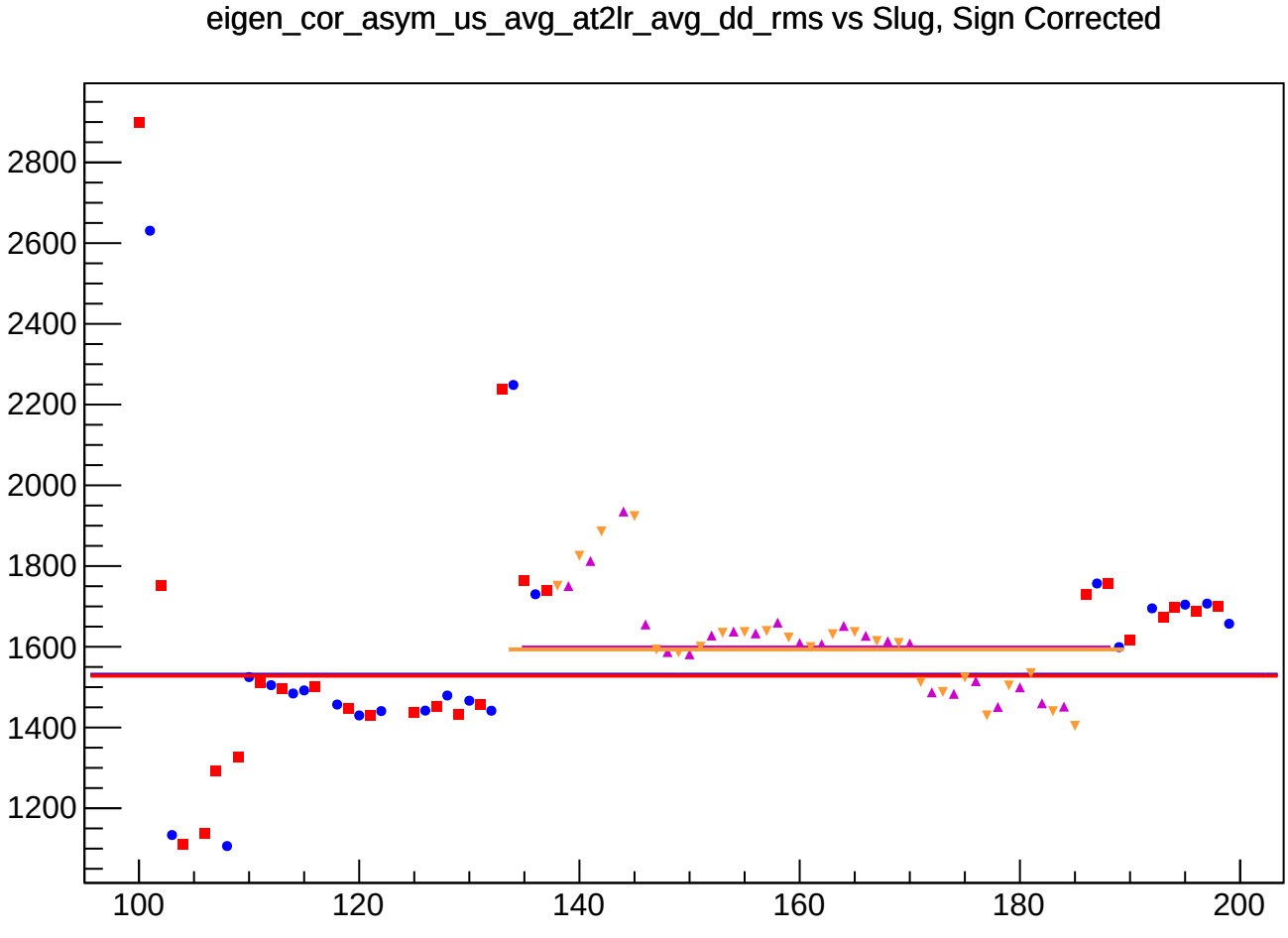
−5000
−10000
100
120
140
160
180
200
Right In: -736.027+/-457.849 χ²/NDF: 6.4/21
Left Out: 981.712+/-370.843 χ²/NDF:55.6/23
Right Out: 39.632+/-443.524 χ²/NDF: 21.0/24
Left In: -803.783+/-374.066 χ²/NDF:12.4/22
Left: 96.688+/-263.358 χ²/NDF: 79.5/46
Right: -335.873+/-318.563 χ²/NDF: 28.9/46
In: -776.660+/-289.678 χ²/NDF:18.9/44
Out: 594.086+/-284.498 χ²/NDF:79.2/48
All: -78.922+/-202.977 χ²/NDF: 109.4/93



Right In: 1530.799+/-0.324 χ^2/NDF: 680644.3/21

Left Out: 1593.482+/-0.262 χ^2/NDF:187613.7/23

Right Out: 1528.417+/-0.313 χ^2/NDF: 534578.2/24

Left In: 1598.119+/-0.265 χ^2/NDF:169157.7/22

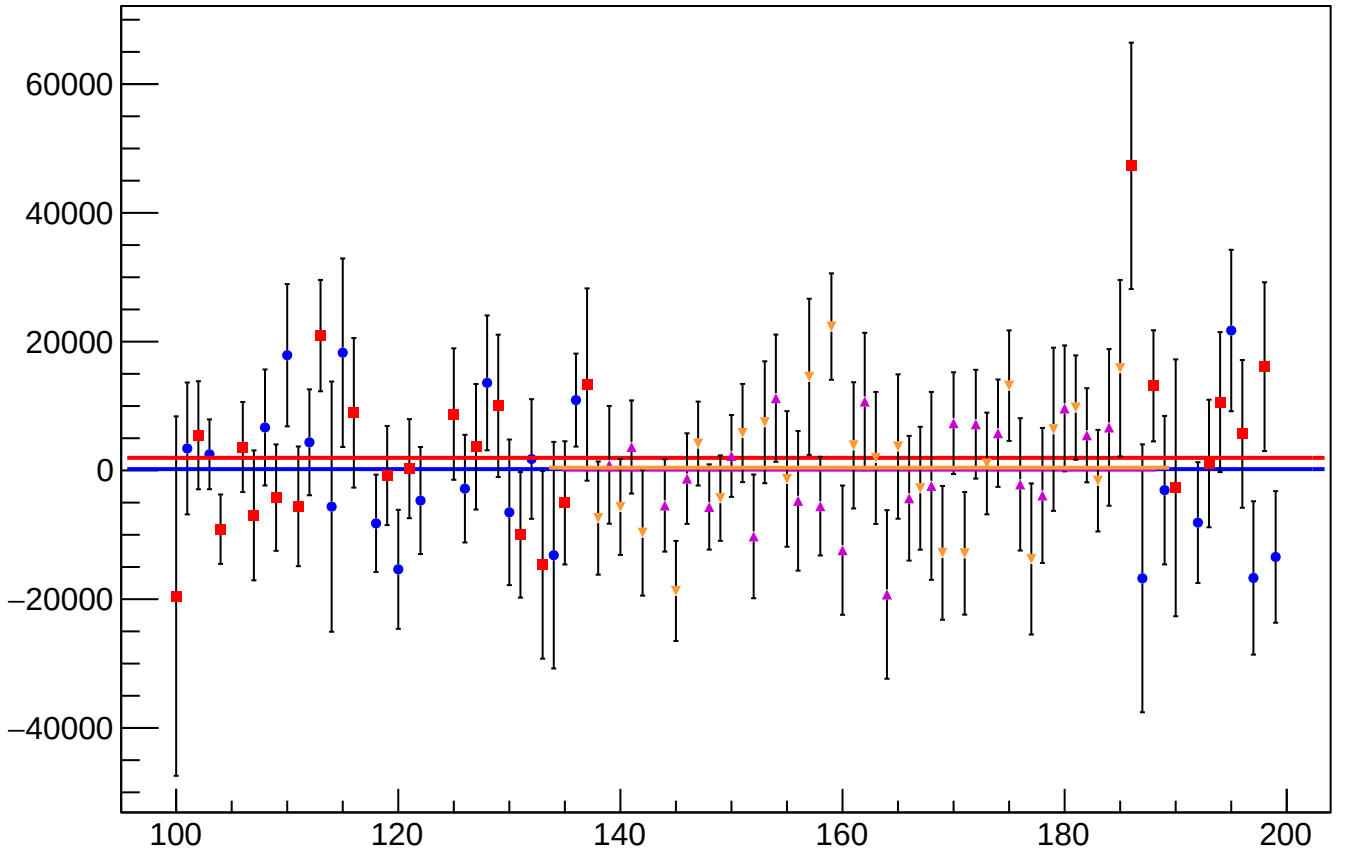
Left: 1595.780+/-0.186 χ^2/NDF: 356926.4/46

Right: 1529.568+/-0.225 χ^2/NDF: 1215250.4/46

In: 1571.171+/-0.205 χ^2/NDF:875732.1/44

Out: 1566.663+/-0.201 χ^2/NDF:747568.7/48

All: 1568.875+/-0.143 χ^2/NDF: 1623547.4/93



Right In: 200.180+/-2044.549 χ^2/NDF: 22.9/21

Left Out: 426.702+/-1819.879 χ^2/NDF:29.4/23

Right Out: 1949.375+/-1922.667 χ^2/NDF: 26.6/24

Left In: 126.376+/-1814.828 χ^2/NDF:13.9/22

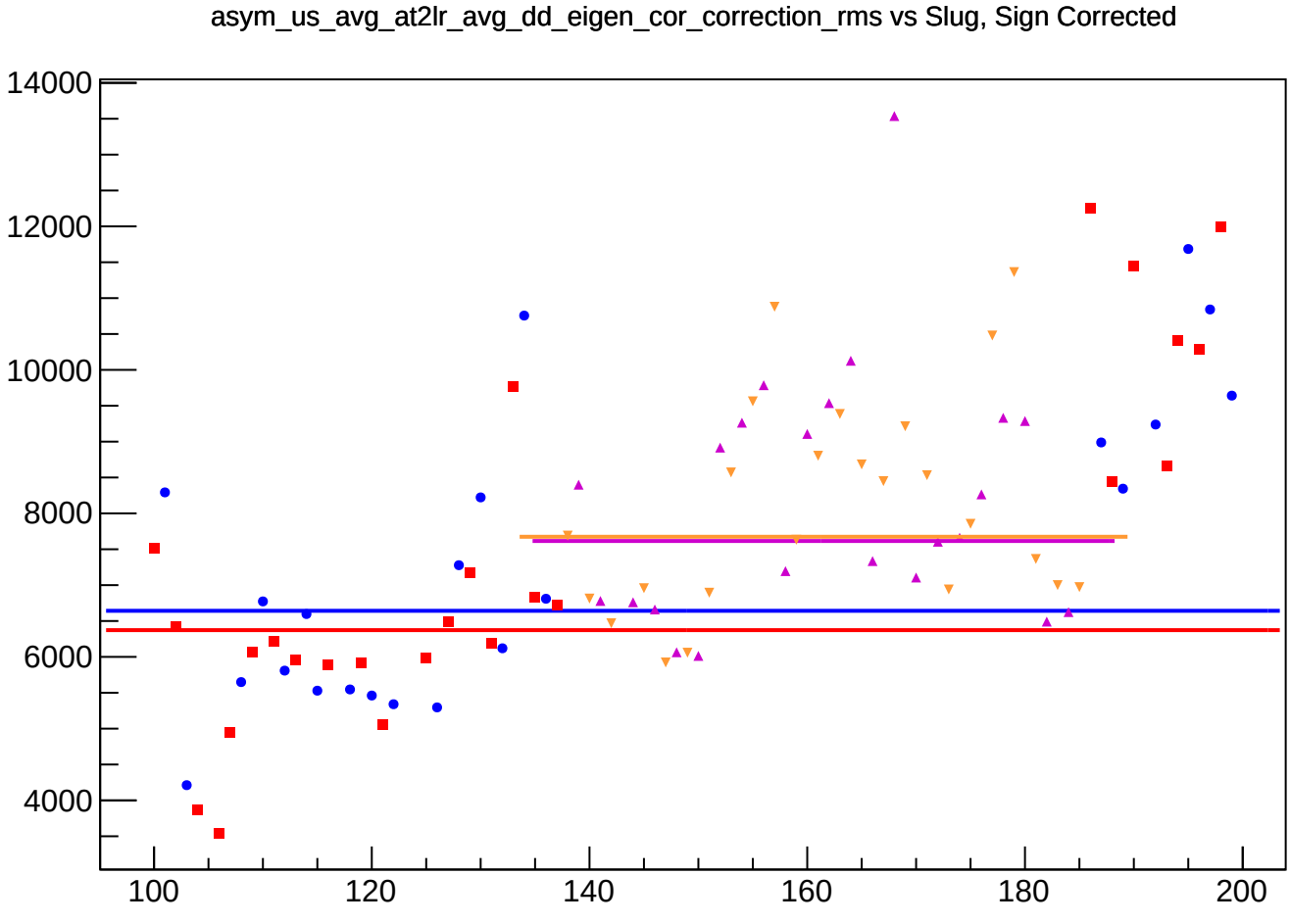
Left: 276.121+/-1285.059 χ^2/NDF: 43.3/46

Right: 1128.466+/-1400.638 χ^2/NDF: 49.8/46

In: 158.900+/-1357.259 χ^2/NDF:36.7/44

Out: 1146.250+/-1321.693 χ^2/NDF:56.3/48

All: 665.681+/-946.902 χ^2/NDF: 93.3/93



Right In: 6642.249+/-1.446 χ^2/NDF: 1815175.3/21

Left Out: 7674.063+/-1.287 χ^2/NDF:1076712.6/23

Right Out: 6372.694+/-1.360 χ^2/NDF: 2422721.9/24

Left In: 7614.964+/-1.283 χ^2/NDF:1224525.6/22

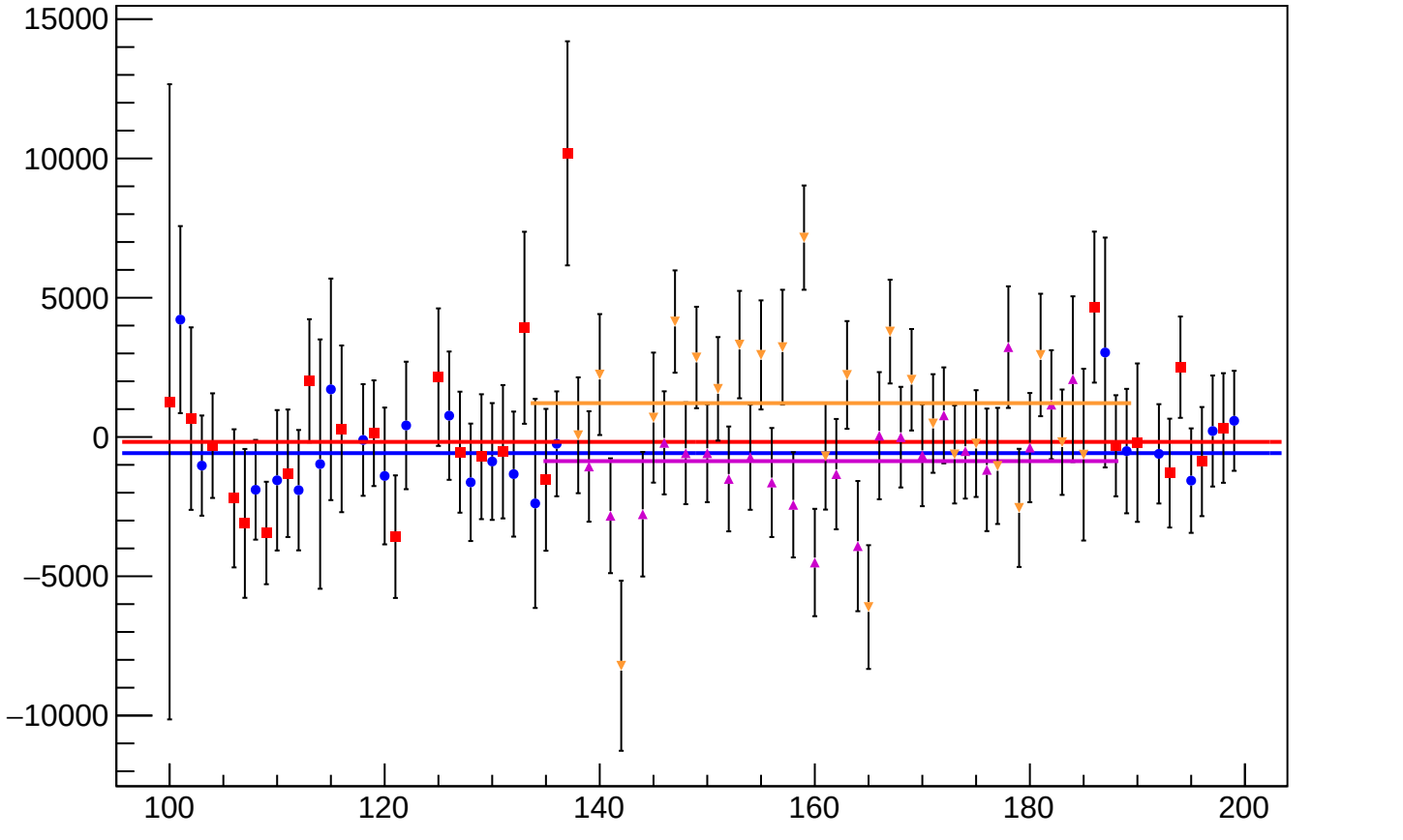
Left: 7644.431+/-0.909 χ^2/NDF: 2302295.7/46

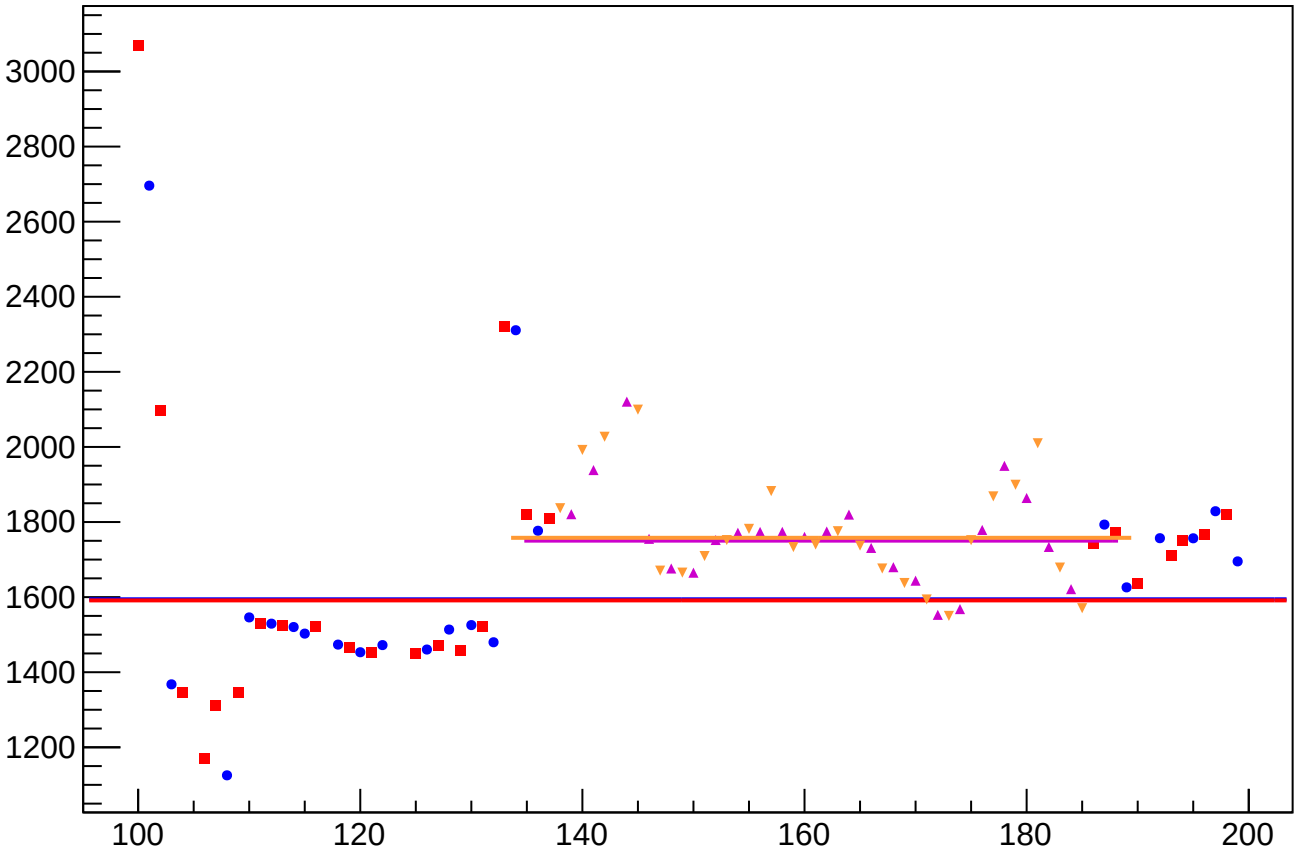
Right: 6499.198+/-0.990 χ^2/NDF: 4256346.2/46

In: 7186.301+/-0.960 χ^2/NDF:3292899.2/44

Out: 7059.093+/-0.935 χ^2/NDF:3982714.2/48

All: 7121.009+/-0.670 χ^2/NDF: 7284630.8/93


dit_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: -579.364+/-476.069 χ²/NDF: 6.5/21
Left Out: 1215.353+/-409.584 χ²/NDF:48.5/23
Right Out: -175.769+/-462.751 χ²/NDF: 24.0/24
Left In: -866.022+/-410.038 χ²/NDF:15.1/22
Left: 175.818+/-289.780 χ²/NDF: 76.5/46
Right: -371.842+/-331.823 χ²/NDF: 30.8/46
In: -743.936+/-310.685 χ²/NDF:21.8/44
Out: 604.264+/-306.702 χ²/NDF:77.5/48
All: -61.139+/-218.266 χ²/NDF: 108.9/93



Right In: 1594.275+/-0.337 χ^2/NDF: 587314.2/21

Left Out: 1757.965+/-0.290 χ^2/NDF:213284.1/23

Right Out: 1591.300+/-0.327 χ^2/NDF: 478066.1/24

Left In: 1750.477+/-0.290 χ^2/NDF:171889.4/22

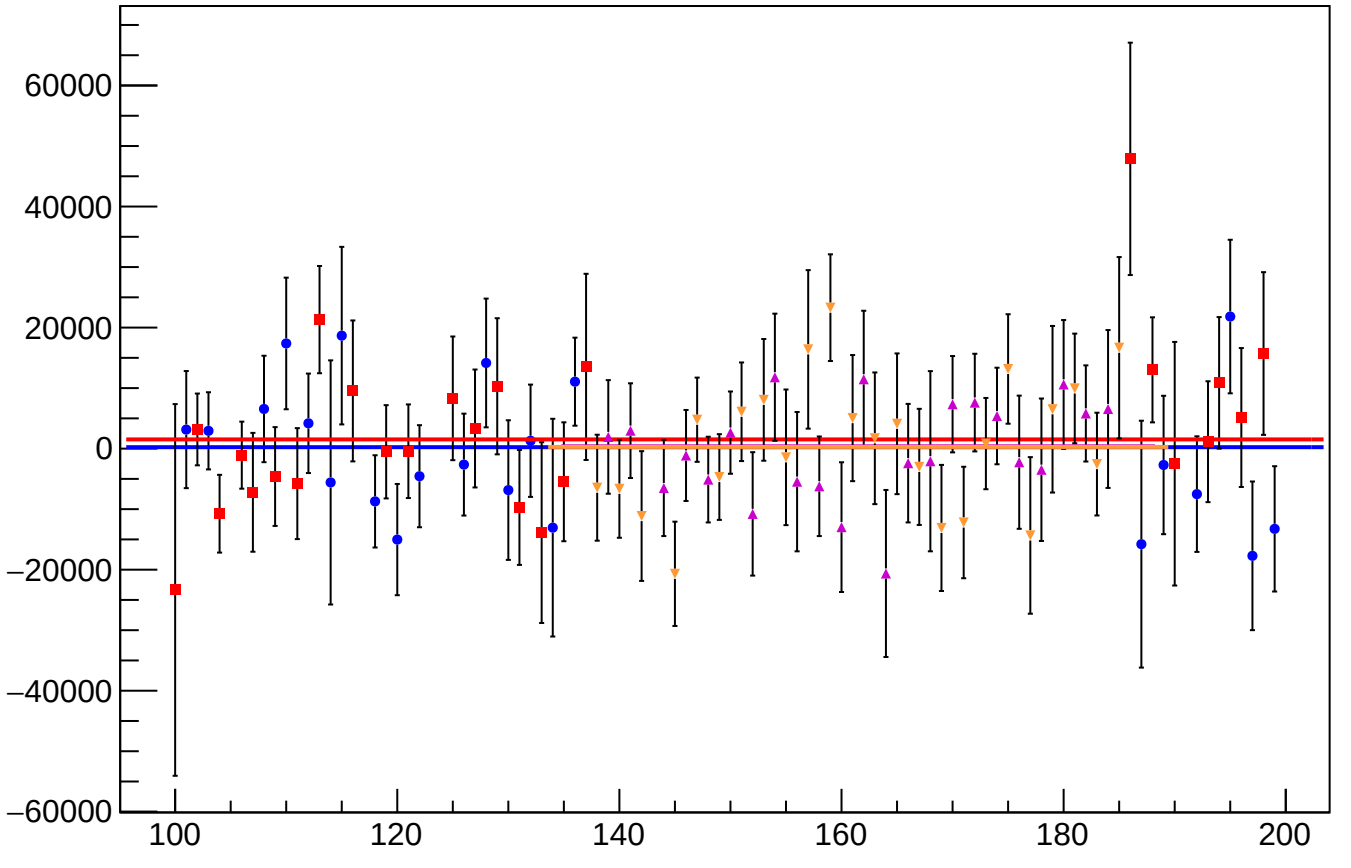
Left: 1754.225+/-0.205 χ^2/NDF: 385507.3/46

Right: 1592.745+/-0.235 χ^2/NDF: 1065420.5/46

In: 1683.952+/-0.220 χ^2/NDF:882813.6/44

Out: 1684.737+/-0.217 χ^2/NDF:836850.6/48

All: 1684.349+/-0.154 χ^2/NDF: 1719670.7/93



Right In: 237.775+/-2089.790 χ^2/NDF: 22.7/21

Left Out: 284.925+/-1920.134 χ^2/NDF:28.7/23

Right Out: 1524.002+/-1871.439 χ^2/NDF: 26.4/24

Left In: 382.660+/-1912.385 χ^2/NDF:13.6/22

Left: 333.990+/-1354.992 χ^2/NDF: 42.3/46

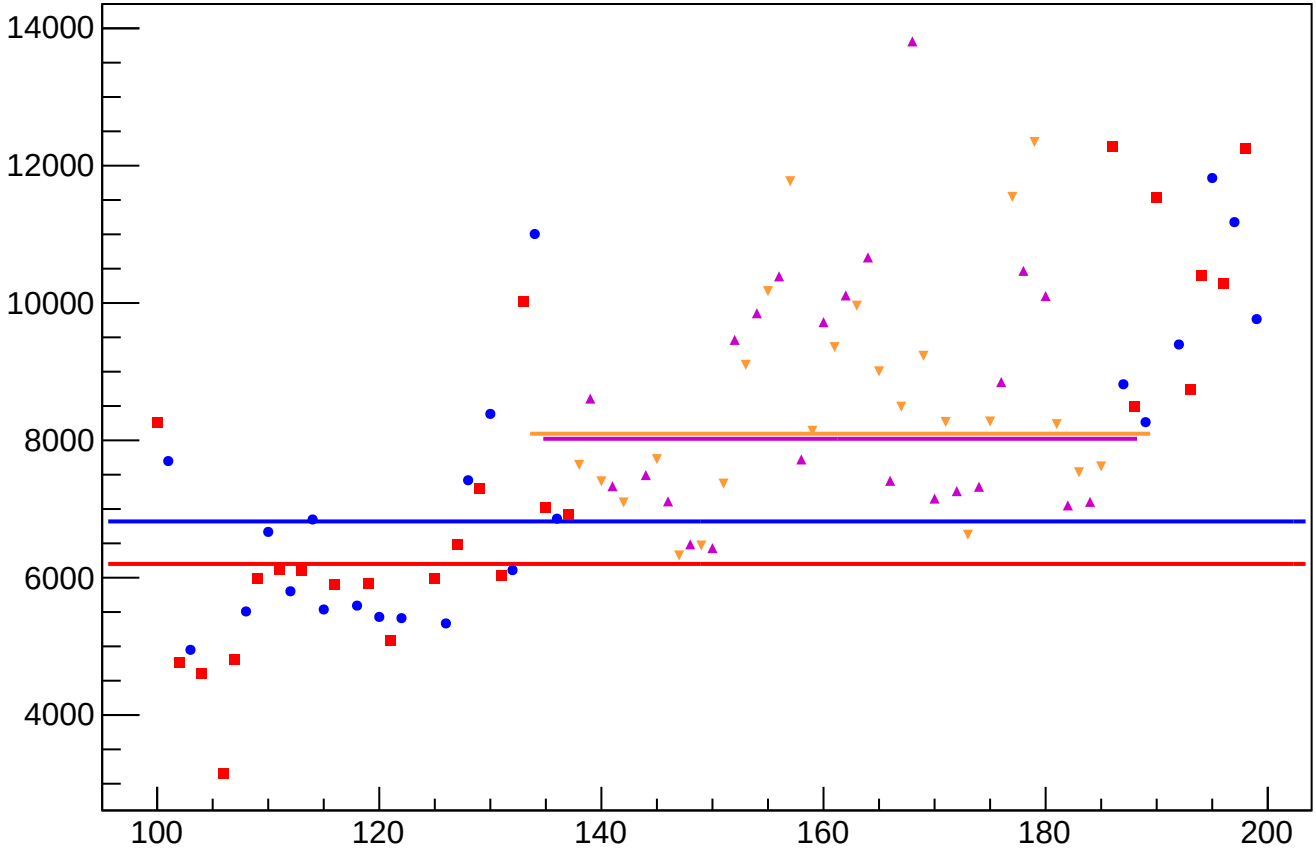
Right: 951.574+/-1394.134 χ^2/NDF: 49.3/46

In: 316.627+/-1410.817 χ^2/NDF:36.3/44

Out: 920.375+/-1340.192 χ^2/NDF:55.3/48

All: 633.991+/-971.667 χ^2/NDF: 91.7/93

asym_us_avg_at2lr_avg_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 6819.260+/-1.478 χ^2/NDF: 1579500.9/21

Left Out: 8096.821+/-1.358 χ^2/NDF:1087790.8/23

Right Out: 6200.481+/-1.323 χ^2/NDF: 2680685.7/24

Left In: 8022.726+/-1.352 χ^2/NDF:1225549.2/22

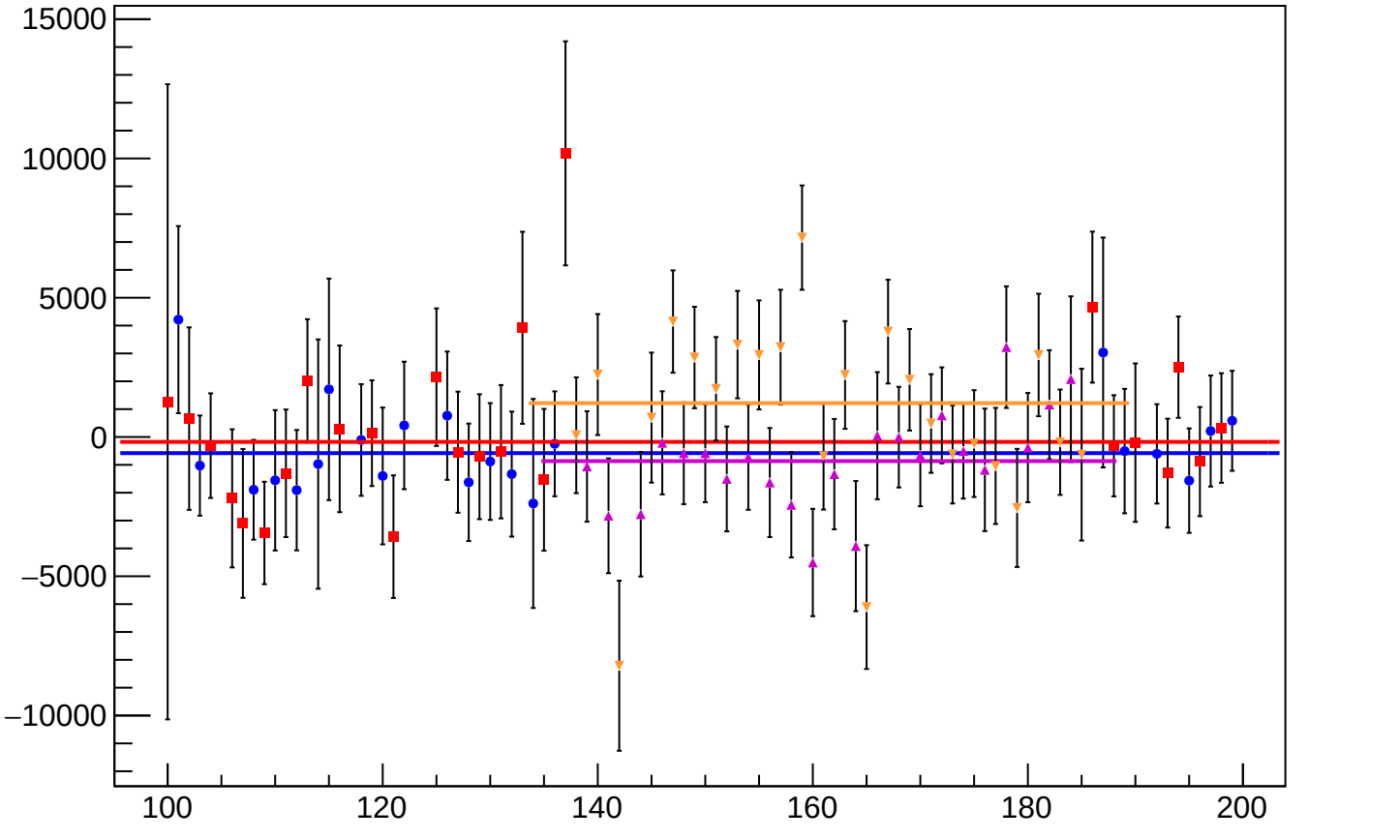
Left: 8059.624+/-0.958 χ^2/NDF: 2314835.1/46

Right: 6475.865+/-0.986 χ^2/NDF: 4357495.6/46

In: 7474.235+/-0.998 χ^2/NDF:3166030.0/44

Out: 7124.300+/-0.948 χ^2/NDF:4768895.2/48

All: 7290.290+/-0.687 χ^2/NDF: 7999604.2/93



Right In: -579.365+/-476.069 χ^2/NDF: 6.5/21

Left Out: 1215.361+/-409.585 χ^2/NDF:48.5/23

Right Out: -175.775+/-462.751 χ^2/NDF: 24.0/24

Left In: -866.021+/-410.039 χ^2/NDF:15.1/22

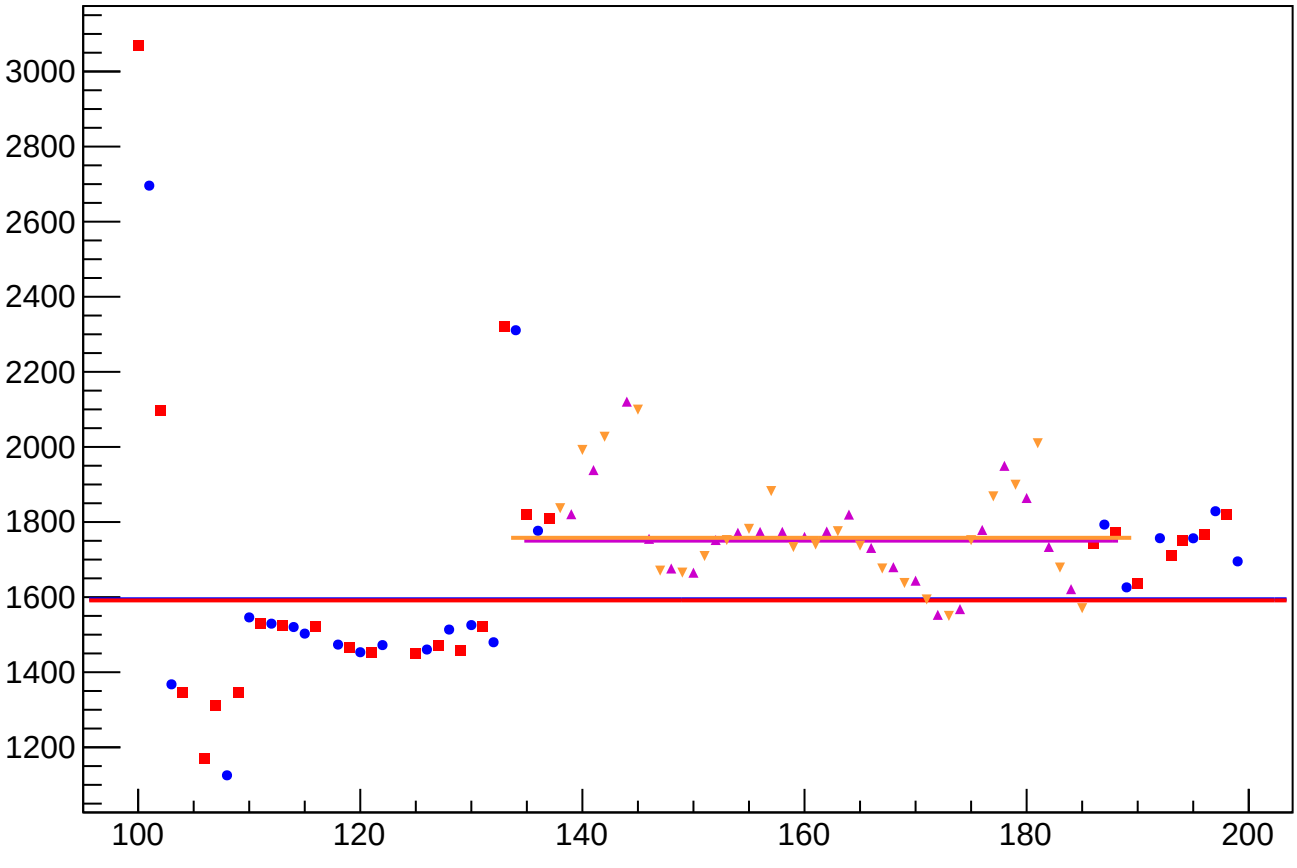
Left: 175.823+/-289.781 χ^2/NDF: 76.5/46

Right: -371.846+/-331.823 χ^2/NDF: 30.8/46

In: -743.936+/-310.685 χ^2/NDF:21.8/44

Out: 604.264+/-306.703 χ^2/NDF:77.5/48

All: -61.139+/-218.266 χ^2/NDF: 108.9/93



Right In: 1594.275+/-0.337 χ^2/NDF: 587314.1/21

Left Out: 1757.968+/-0.290 χ^2/NDF:213292.2/23

Right Out: 1591.300+/-0.327 χ^2/NDF: 478067.2/24

Left In: 1750.480+/-0.290 χ^2/NDF:171897.3/22

Left: 1754.228+/-0.205 χ^2/NDF: 385523.3/46

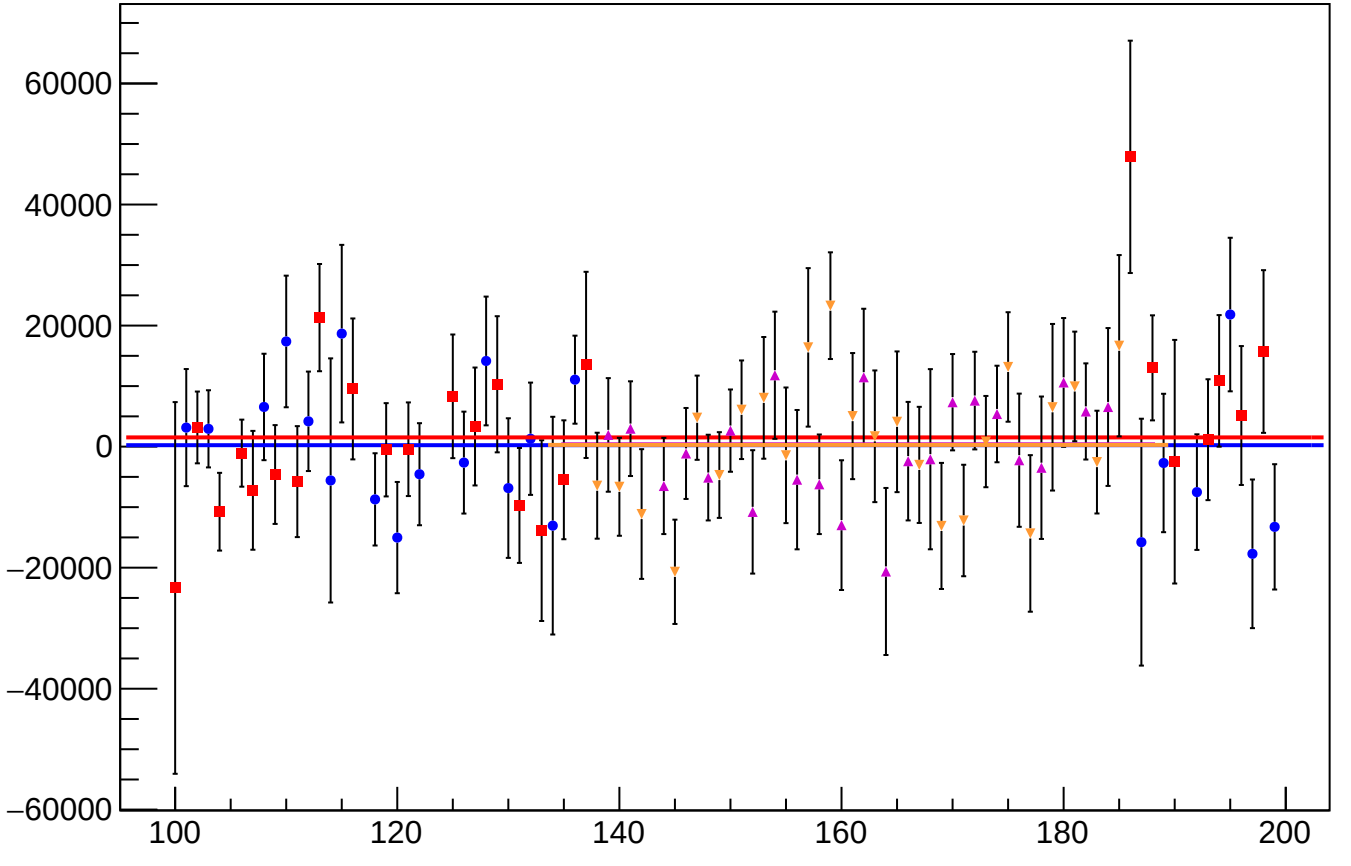
Right: 1592.745+/-0.235 χ^2/NDF: 1065421.5/46

In: 1683.953+/-0.220 χ^2/NDF:882825.9/44

Out: 1684.739+/-0.217 χ^2/NDF:836864.0/48

All: 1684.351+/-0.154 χ^2/NDF: 1719696.4/93

asym_us_avg_at2lr_avg_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 237.763+/-2089.787 χ^2/NDF: 22.7/21

Left Out: 284.927+/-1920.138 χ^2/NDF:28.7/23

Right Out: 1523.991+/-1871.436 χ^2/NDF: 26.4/24

Left In: 382.663+/-1912.388 χ^2/NDF:13.6/22

Left: 333.993+/-1354.994 χ^2/NDF: 42.3/46

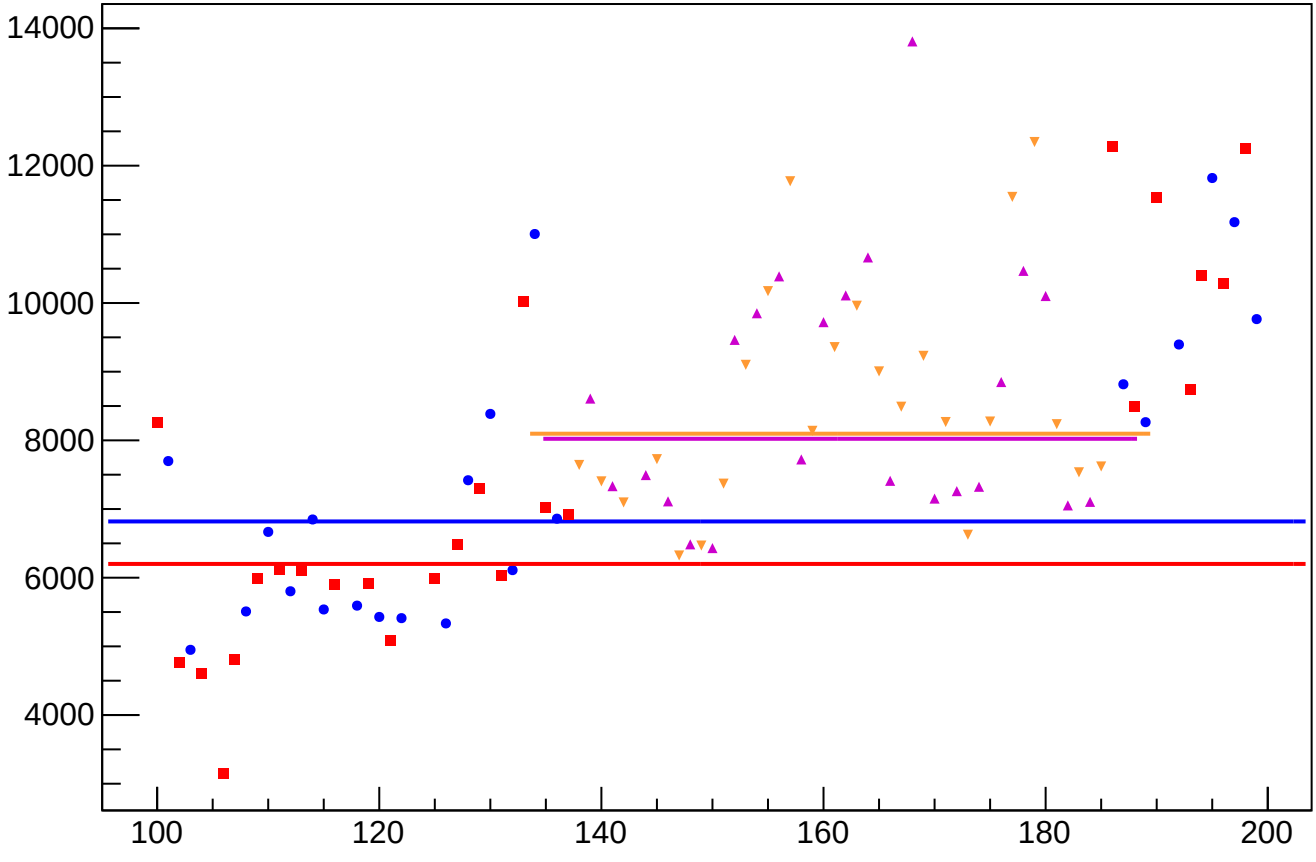
Right: 951.562+/-1394.132 χ^2/NDF: 49.3/46

In: 316.624+/-1410.817 χ^2/NDF:36.3/44

Out: 920.371+/-1340.192 χ^2/NDF:55.3/48

All: 633.987+/-971.667 χ^2/NDF: 91.7/93

asym_us_avg_at2lr_avg_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 6819.247+/-1.478 χ^2/NDF: 1579517.1/21

Left Out: 8096.833+/-1.358 χ^2/NDF:1087793.4/23

Right Out: 6200.470+/-1.323 χ^2/NDF: 2680699.2/24

Left In: 8022.738+/-1.352 χ^2/NDF:1225553.6/22

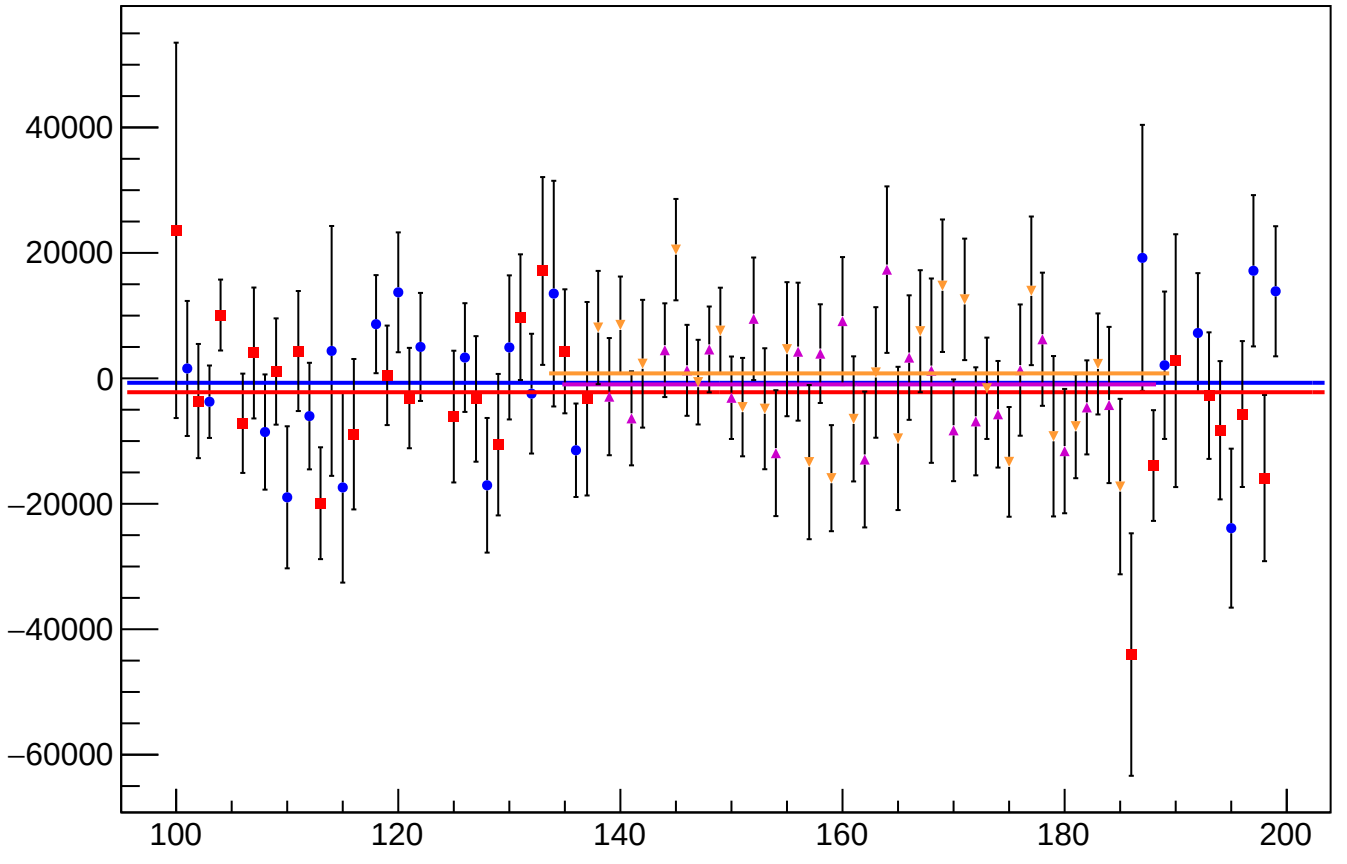
Left: 8059.636+/-0.958 χ^2/NDF: 2314842.1/46

Right: 6475.854+/-0.986 χ^2/NDF: 4357525.3/46

In: 7474.234+/-0.998 χ^2/NDF:3166065.0/44

Out: 7124.297+/-0.948 χ^2/NDF:4768936.1/48

All: 7290.288+/-0.687 χ^2/NDF: 7999680.7/93



Right In: -708.641+/-2111.545 χ^2/NDF: 24.1/21

Left Out: 791.264+/-1865.111 χ^2/NDF:27.2/23

Right Out: -2212.378+/-1998.384 χ^2/NDF: 23.4/24

Left In: -963.967+/-1859.926 χ^2/NDF:12.8/22

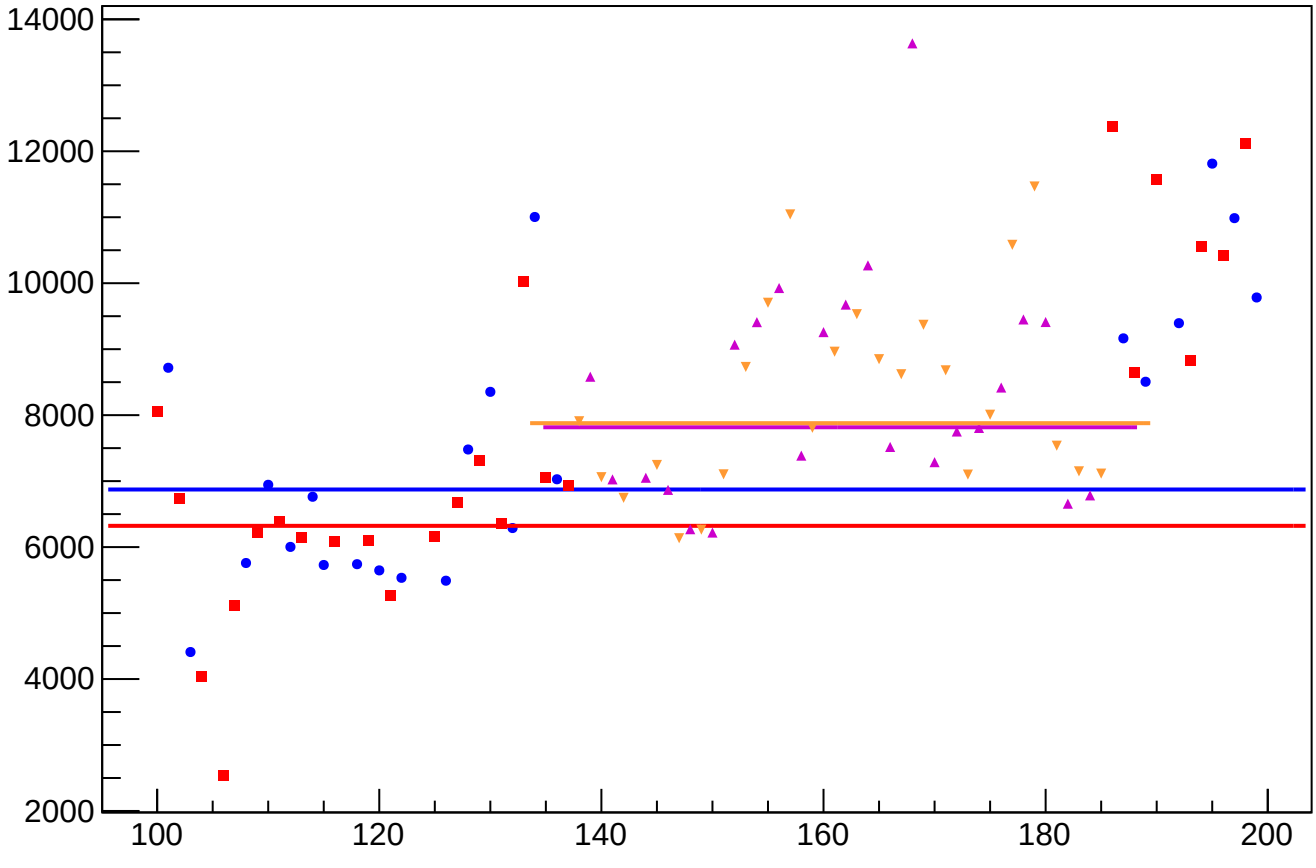
Left: -88.795+/-1316.995 χ^2/NDF: 40.4/46

Right: -1501.881+/-1451.428 χ^2/NDF: 47.8/46

In: -852.416+/-1395.692 χ^2/NDF:36.9/44

Out: -607.068+/-1363.515 χ^2/NDF:51.8/48

All: -726.881+/-975.328 χ^2/NDF: 88.8/93



Right In: 6873.051+/-1.493 χ^2/NDF: 1707886.8/21

Left Out: 7878.482+/-1.319 χ^2/NDF:990058.5/23

Right Out: 6322.174+/-1.372 χ^2/NDF: 2972987.0/24

Left In: 7816.447+/-1.315 χ^2/NDF:1132368.2/22

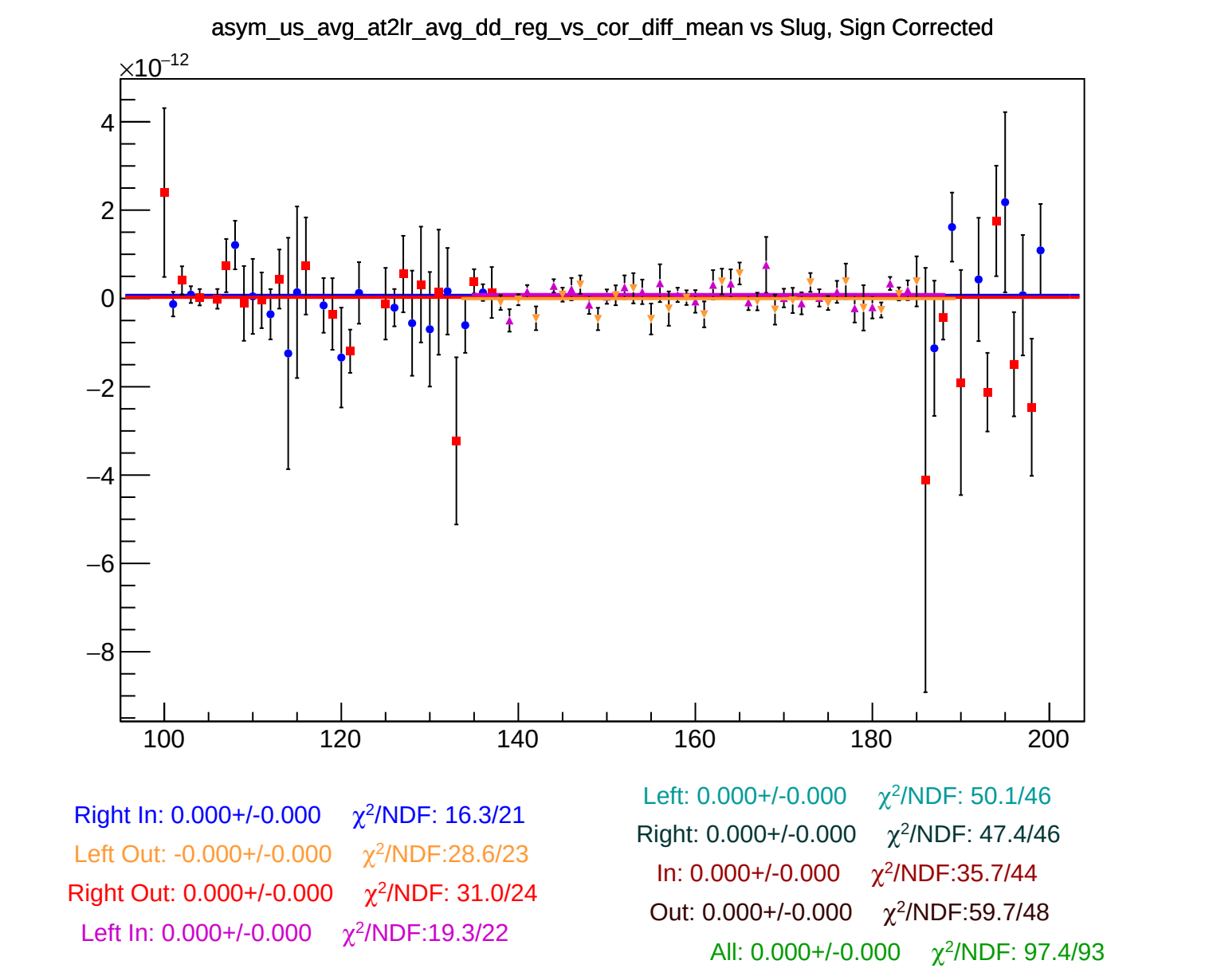
Left: 7847.378+/-0.931 χ^2/NDF: 2123536.1/46

Right: 6574.343+/-1.010 χ^2/NDF: 4754687.2/46

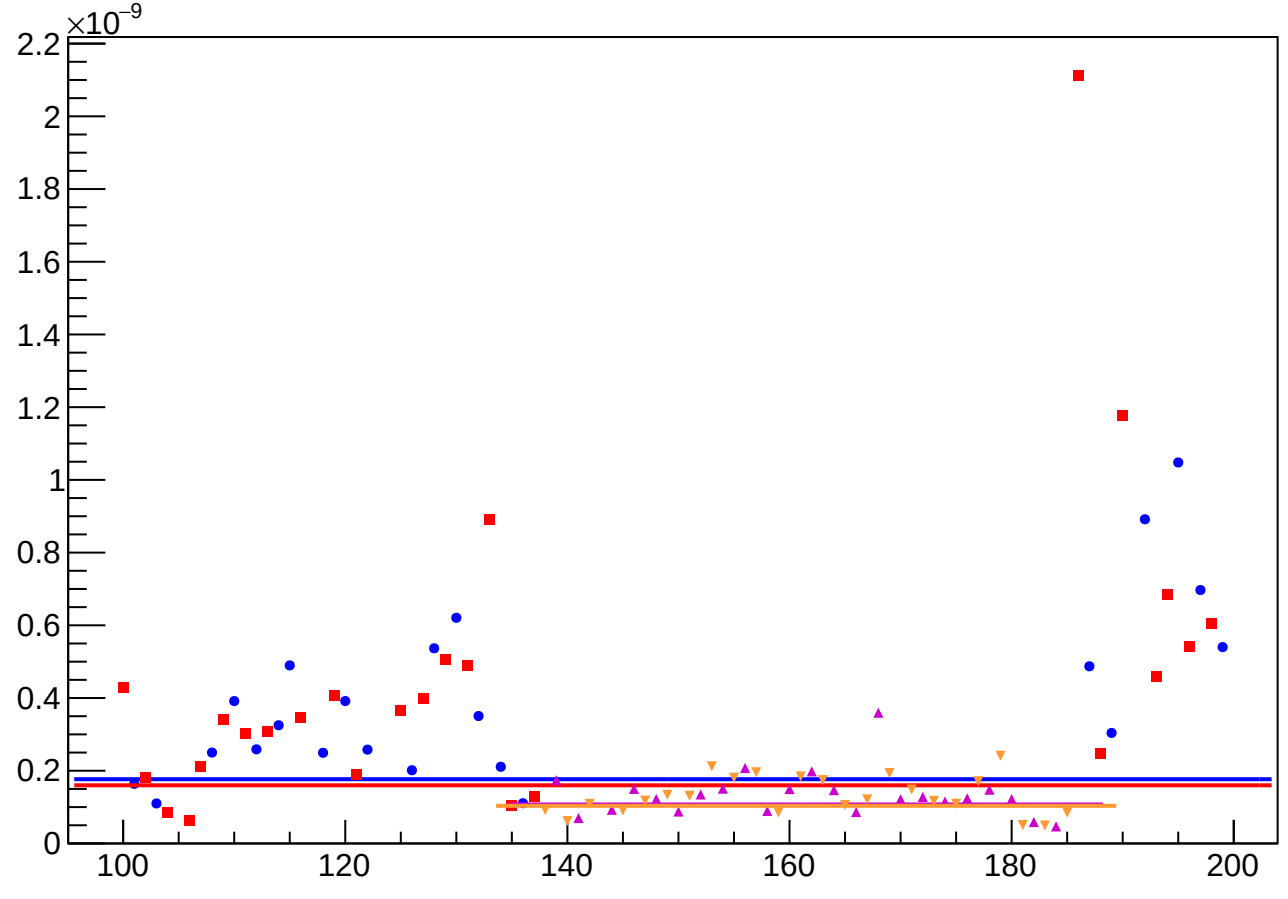
In: 7404.279+/-0.987 χ^2/NDF:3065061.2/44

Out: 7130.980+/-0.951 χ^2/NDF:4631895.5/48

All: 7262.531+/-0.685 χ^2/NDF: 7736731.1/93


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: 16.3/21
Left Out: -0.000+/-0.000 χ²/NDF:28.6/23
Right Out: 0.000+/-0.000 χ²/NDF: 31.0/24
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: 47.4/46
In: 0.000+/-0.000 χ²/NDF:35.7/44
Out: 0.000+/-0.000 χ²/NDF:59.7/48
All: 0.000+/-0.000 χ²/NDF: 97.4/93

asym_us_avg_at2lr_avg_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2933853.3/21

Left Out: 0.000+/-0.000 χ^2/NDF:1905146.0/23

Right Out: 0.000+/-0.000 χ^2/NDF: 3893420.6/24

Left In: 0.000+/-0.000 χ^2/NDF:1596017.6/22

Left: 0.000+/-0.000 χ^2/NDF: 3508045.7/46

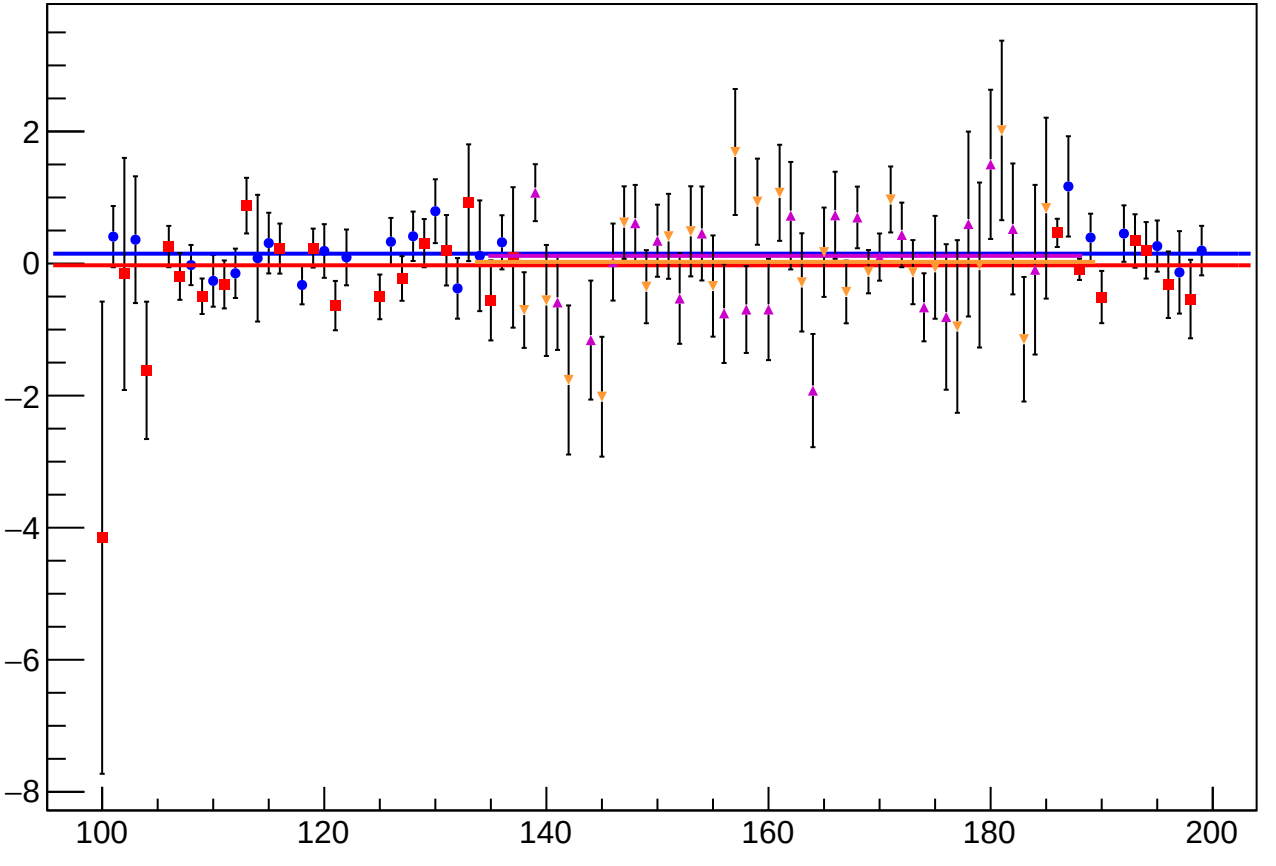
Right: 0.000+/-0.000 χ^2/NDF: 6855286.3/46

In: 0.000+/-0.000 χ^2/NDF:5314482.5/44

Out: 0.000+/-0.000 χ^2/NDF:6342478.1/48

All: 0.000+/-0.000 χ^2/NDF: 11677215.0/93

asym_us_avg_at2lr_avg_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.149+/-0.091 χ^2/NDF: 12.3/21

Left Out: 0.025+/-0.134 χ^2/NDF:29.1/23

Right Out: -0.026+/-0.072 χ^2/NDF: 31.3/24

Left In: 0.117+/-0.132 χ^2/NDF:27.8/22

Left: 0.071+/-0.094 χ^2/NDF: 57.1/46

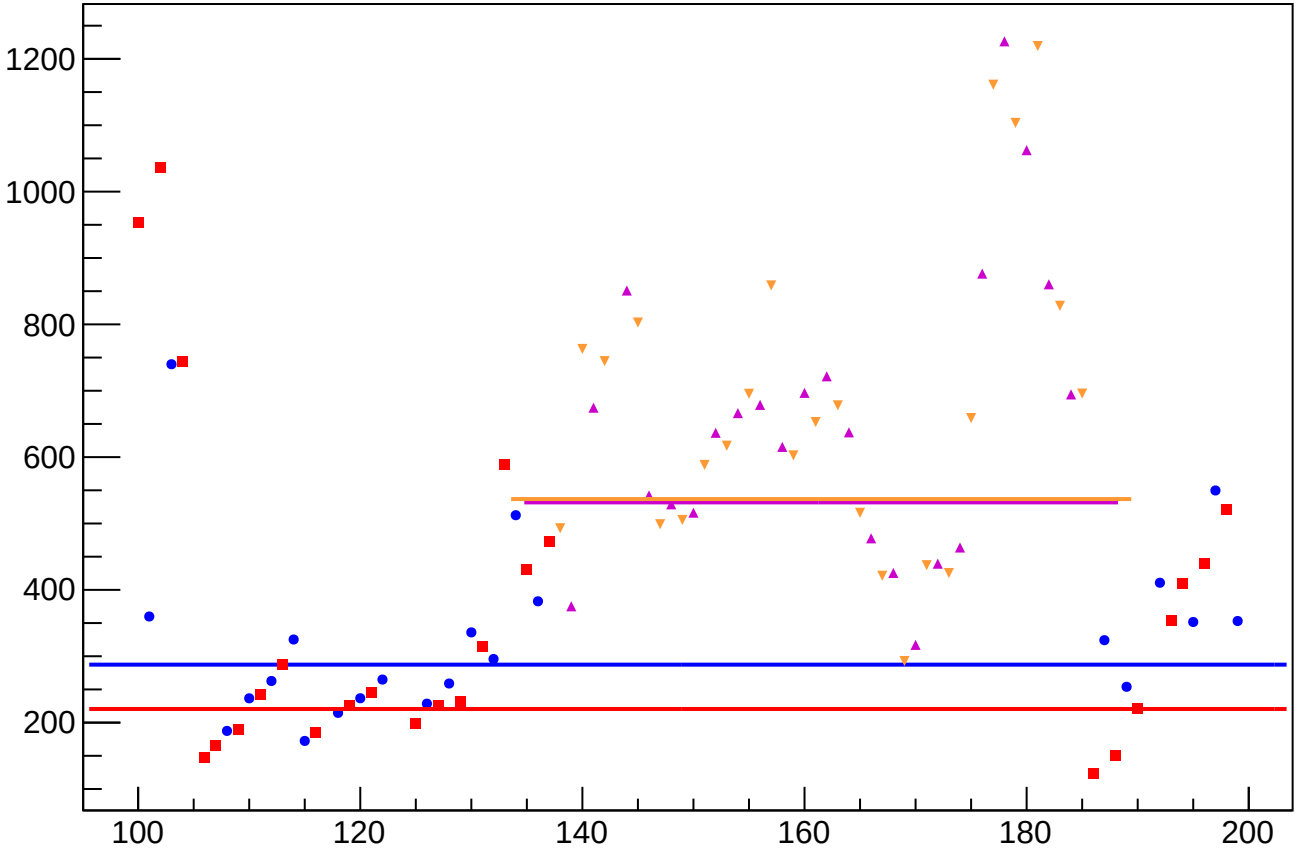
Right: 0.042+/-0.057 χ^2/NDF: 45.8/46

In: 0.139+/-0.075 χ^2/NDF:40.1/44

Out: -0.015+/-0.064 χ^2/NDF:60.5/48

All: 0.050+/-0.048 χ^2/NDF: 103.0/93

asym_us_avg_at2lr_avg_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 287.338+/-0.064 χ^2/NDF: 2035374.6/21

Left Out: 536.821+/-0.095 χ^2/NDF:3963242.1/23

Right Out: 220.542+/-0.051 χ^2/NDF: 4353521.3/24

Left In: 531.769+/-0.094 χ^2/NDF:3381209.0/22

Left: 534.267+/-0.067 χ^2/NDF: 7345889.1/46

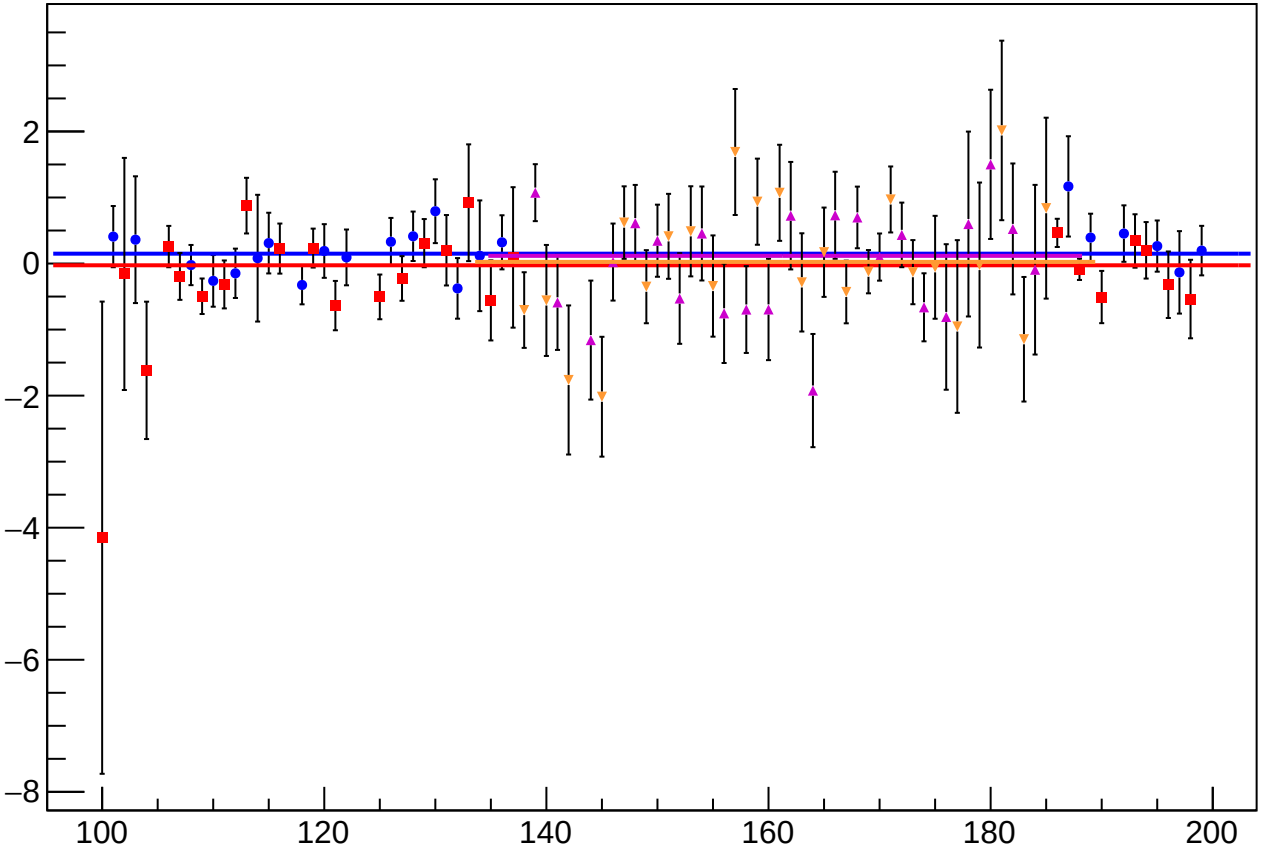
Right: 246.571+/-0.040 χ^2/NDF: 7051949.9/46

In: 365.277+/-0.053 χ^2/NDF:10055239.1/44

Out: 292.058+/-0.045 χ^2/NDF:16943129.1/48

All: 322.840+/-0.034 χ^2/NDF: 28109102.8/93

asym_us_avg_at2lr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.149+/-0.091 χ^2/NDF: 12.3/21

Left Out: 0.025+/-0.134 χ^2/NDF:29.1/23

Right Out: -0.026+/-0.072 χ^2/NDF: 31.3/24

Left In: 0.117+/-0.132 χ^2/NDF:27.8/22

Left: 0.071+/-0.094 χ^2/NDF: 57.1/46

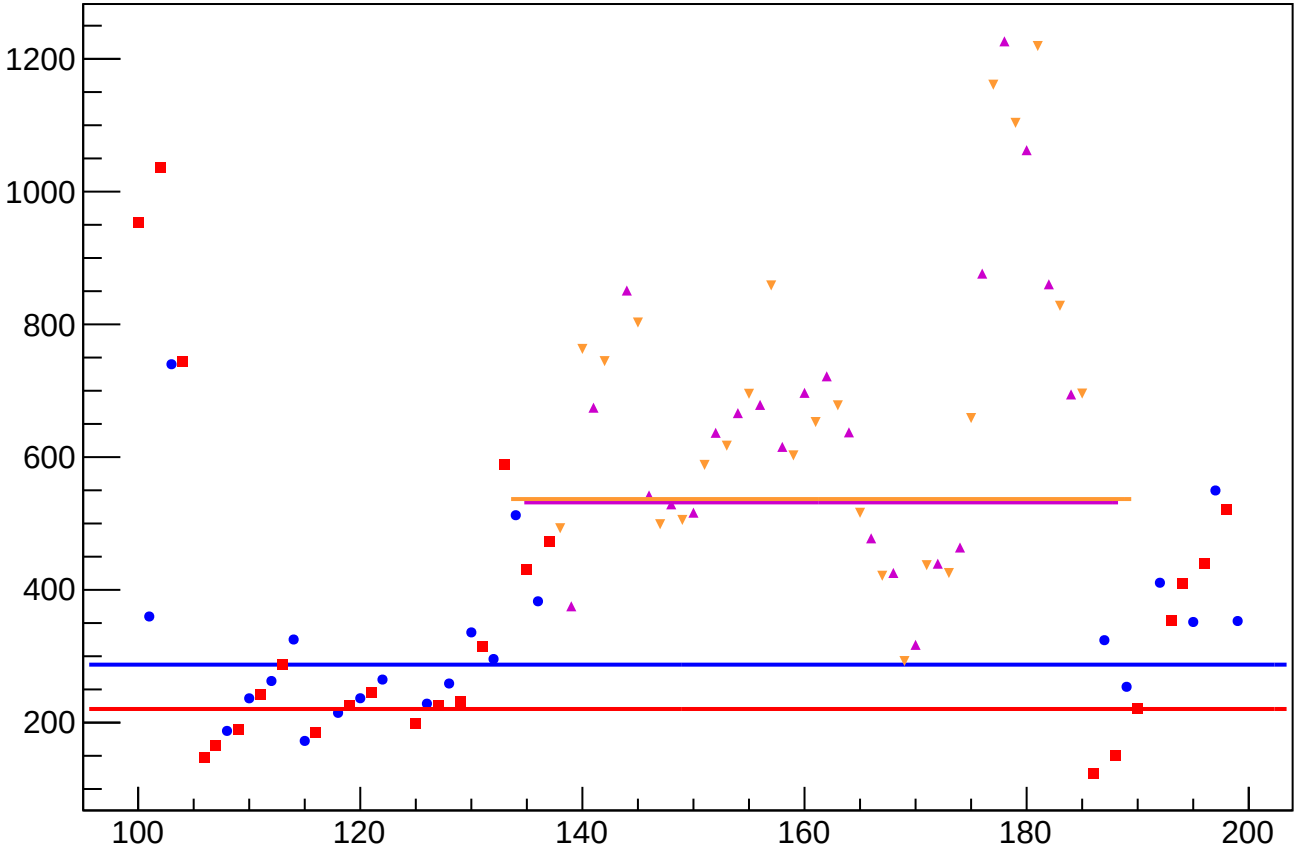
Right: 0.042+/-0.057 χ^2/NDF: 45.8/46

In: 0.139+/-0.075 χ^2/NDF:40.1/44

Out: -0.015+/-0.064 χ^2/NDF:60.5/48

All: 0.050+/-0.048 χ^2/NDF: 103.0/93

asym_us_avg_at2lr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 287.338+/-0.064 χ^2/NDF: 2035374.6/21

Left Out: 536.821+/-0.095 χ^2/NDF:3963242.1/23

Right Out: 220.542+/-0.051 χ^2/NDF: 4353521.3/24

Left In: 531.769+/-0.094 χ^2/NDF:3381209.0/22

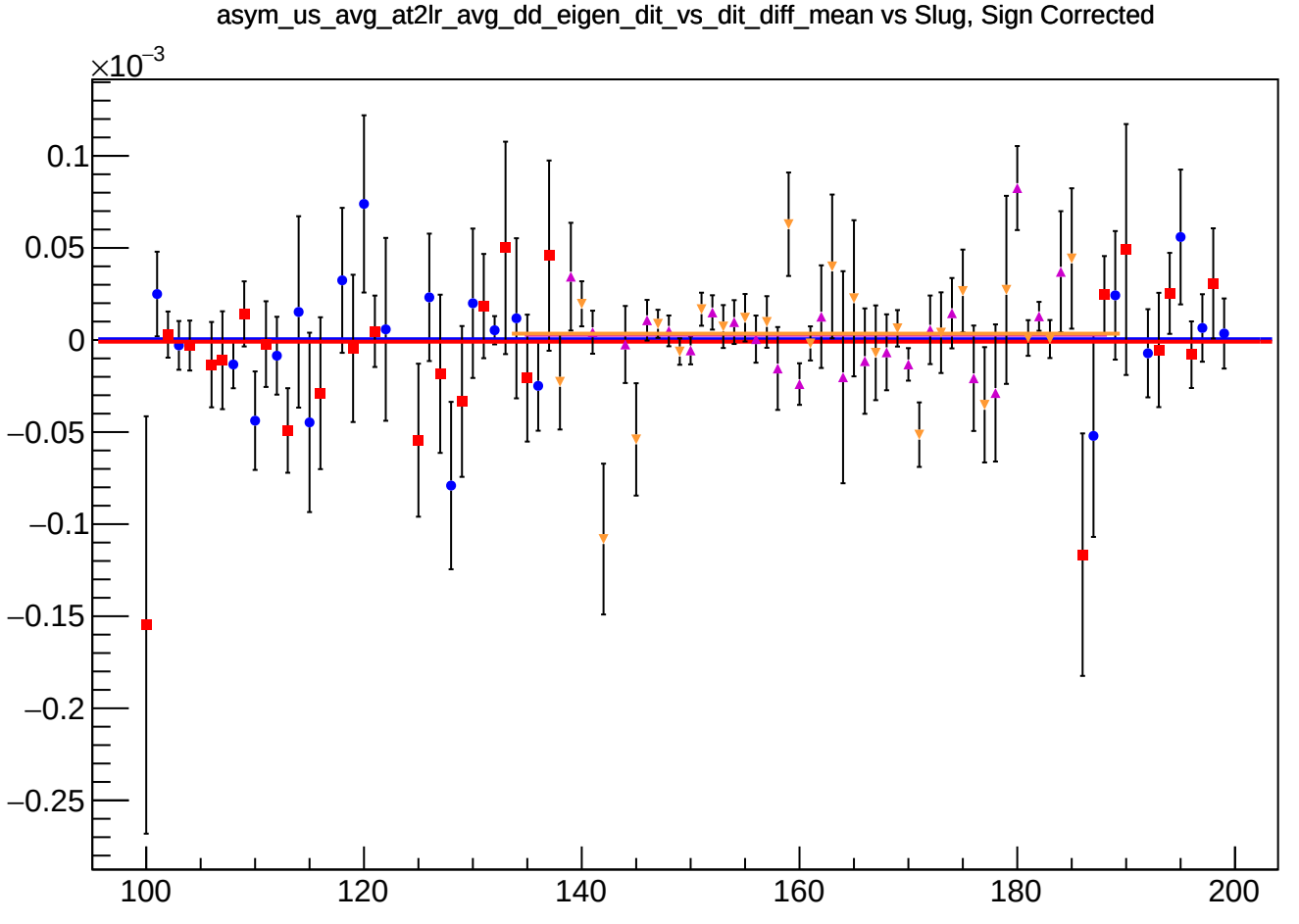
Left: 534.267+/-0.067 χ^2/NDF: 7345889.1/46

Right: 246.571+/-0.040 χ^2/NDF: 7051949.9/46

In: 365.277+/-0.053 χ^2/NDF:10055239.1/44

Out: 292.058+/-0.045 χ^2/NDF:16943129.1/48

All: 322.840+/-0.034 χ^2/NDF: 28109102.8/93



Right In: 0.000+/-0.000 χ^2/NDF: 18.4/21

Left Out: 0.000+/-0.000 χ^2/NDF:39.1/23

Right Out: -0.000+/-0.000 χ^2/NDF: 20.8/24

Left In: 0.000+/-0.000 χ^2/NDF:32.2/22

Left: 0.000+/-0.000 χ^2/NDF: 71.3/46

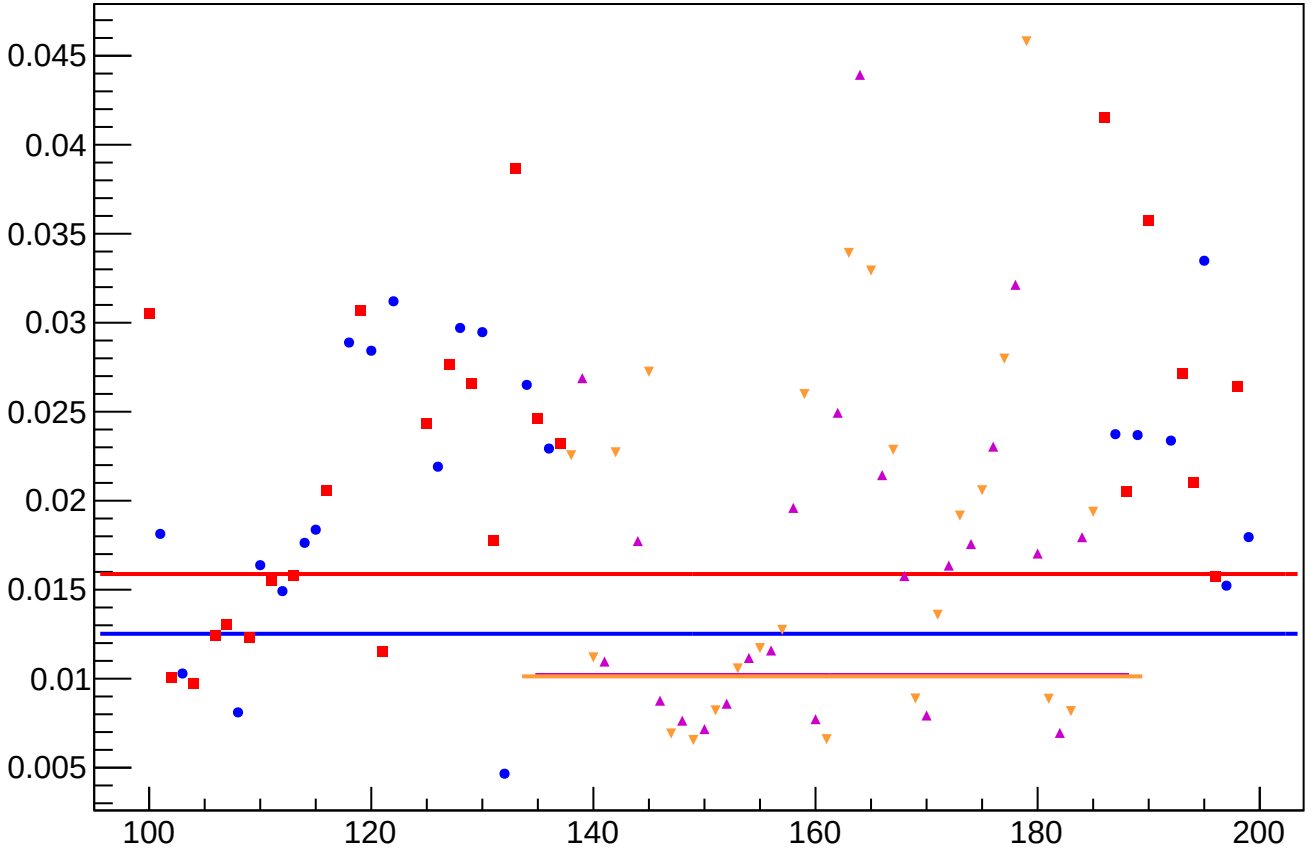
Right: -0.000+/-0.000 χ^2/NDF: 39.2/46

In: 0.000+/-0.000 χ^2/NDF:50.8/44

Out: 0.000+/-0.000 χ^2/NDF:60.4/48

All: 0.000+/-0.000 χ^2/NDF: 111.2/93

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: 6386548.2/21

Left Out: 0.010+/-0.000 χ^2/NDF:7812047.6/23

Right Out: 0.016+/-0.000 χ^2/NDF: 3473921.8/24

Left In: 0.010+/-0.000 χ^2/NDF:6075883.8/22

Left: 0.010+/-0.000 χ^2/NDF: 13888720.1/46

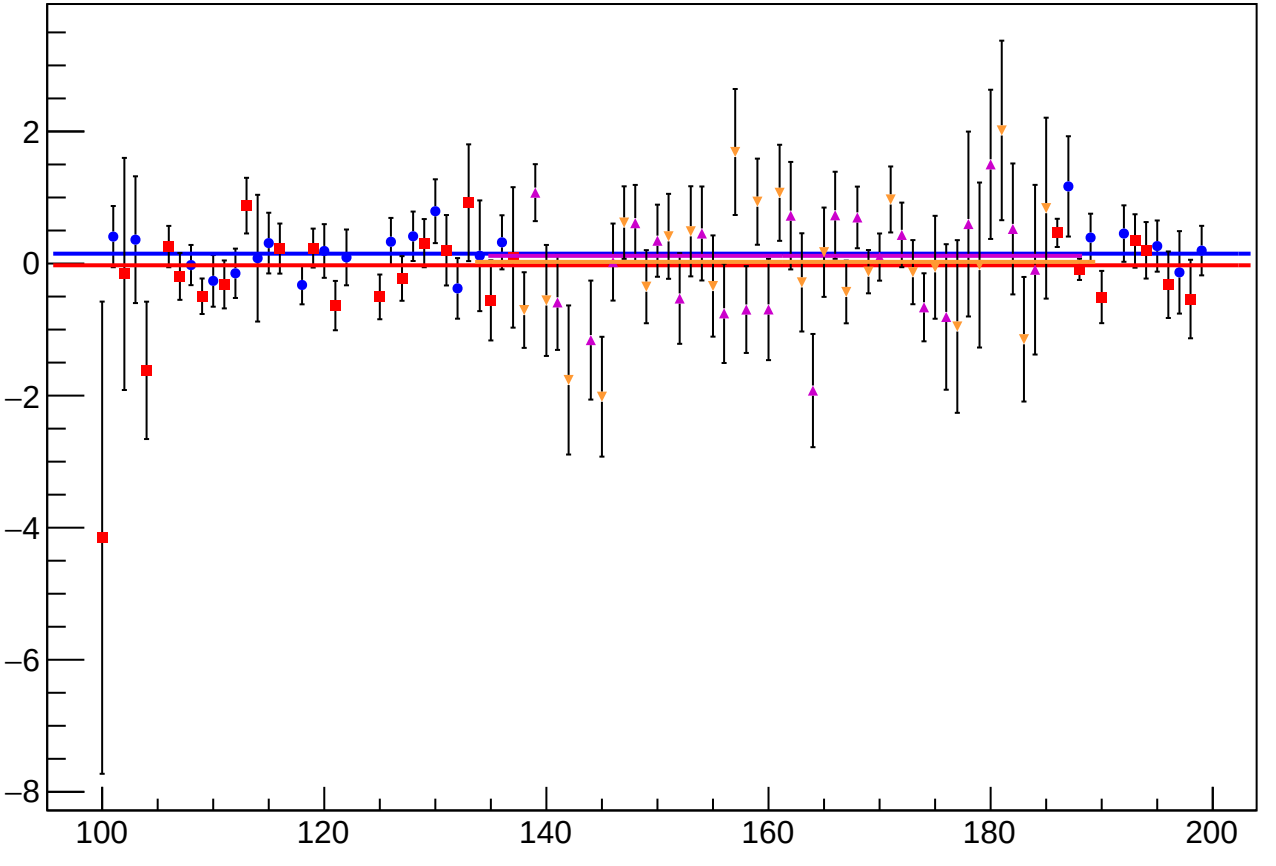
Right: 0.014+/-0.000 χ^2/NDF: 10364594.9/46

In: 0.011+/-0.000 χ^2/NDF:12849588.6/44

Out: 0.011+/-0.000 χ^2/NDF:13336409.2/48

All: 0.011+/-0.000 χ^2/NDF: 26254196.8/93

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.149+/-0.091 χ^2/NDF: 12.3/21

Left Out: 0.025+/-0.134 χ^2/NDF:29.1/23

Right Out: -0.027+/-0.072 χ^2/NDF: 31.3/24

Left In: 0.117+/-0.132 χ^2/NDF:27.8/22

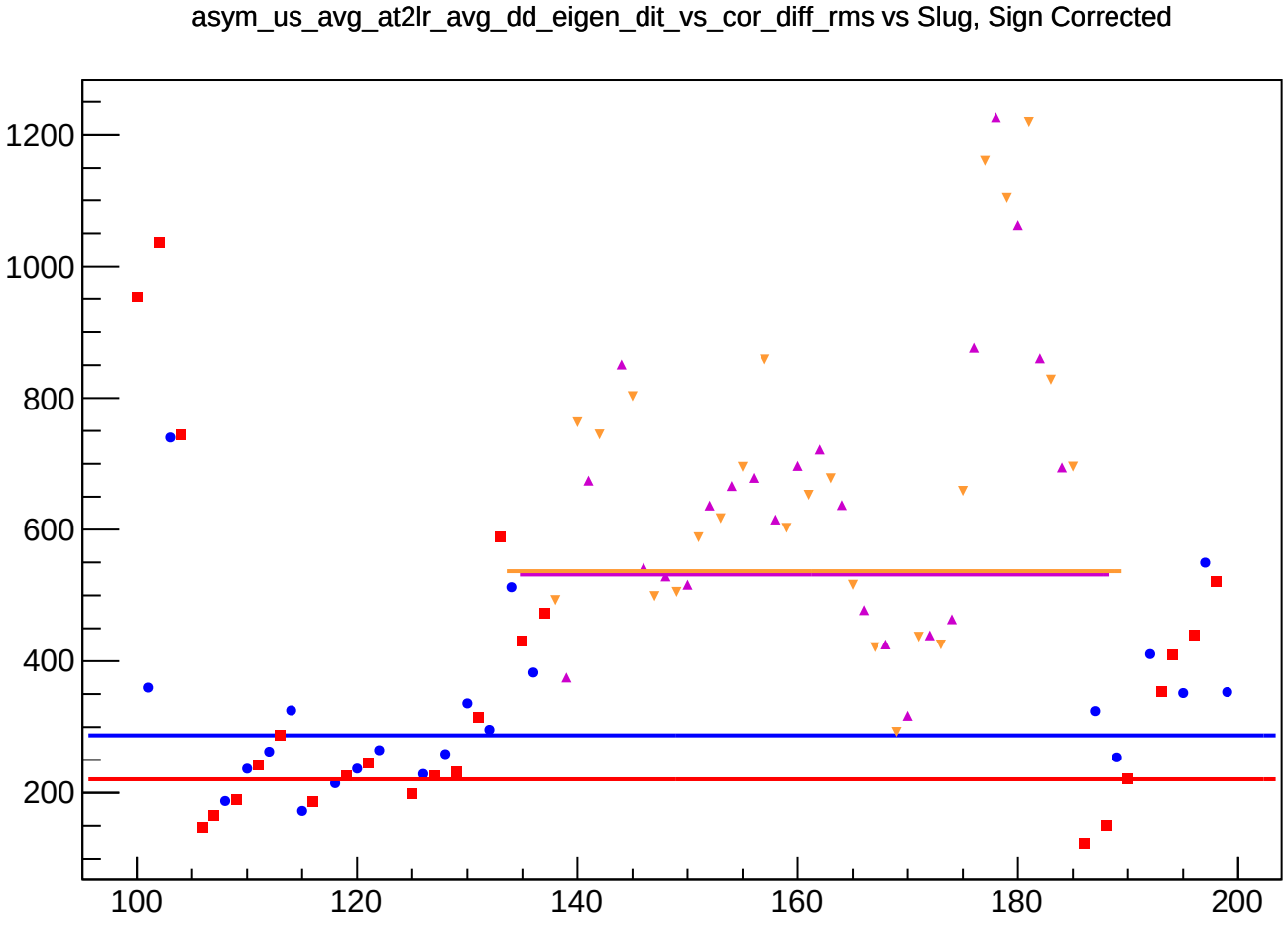
Left: 0.071+/-0.094 χ^2/NDF: 57.1/46

Right: 0.042+/-0.057 χ^2/NDF: 45.8/46

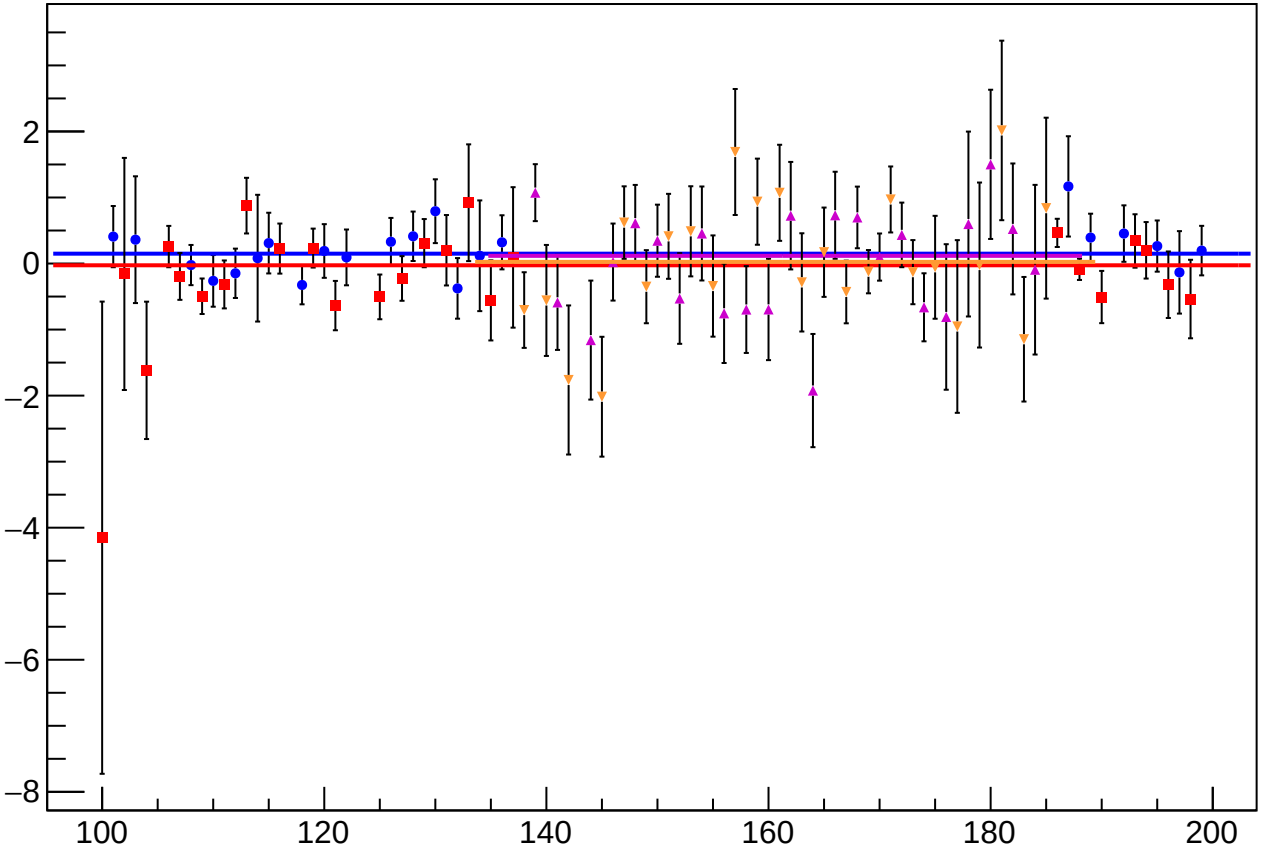
In: 0.139+/-0.075 χ^2/NDF:40.1/44

Out: -0.015+/-0.064 χ^2/NDF:60.5/48

All: 0.050+/-0.048 χ^2/NDF: 103.0/93


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: 287.336+/-0.064 χ²/NDF: 2035367.0/21
Left Out: 536.822+/-0.095 χ²/NDF:3963422.5/23
Right Out: 220.540+/-0.051 χ²/NDF: 4353626.7/24
Left In: 531.773+/-0.094 χ²/NDF:3381293.8/22
Left: 534.268+/-0.067 χ²/NDF: 7346152.7/46
Right: 246.568+/-0.040 χ²/NDF: 7052071.0/46
In: 365.275+/-0.053 χ²/NDF:10055480.9/44
Out: 292.055+/-0.045 χ²/NDF:16943569.8/48
All: 322.838+/-0.034 χ²/NDF: 28109841.2/93

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.149+/-0.091 χ^2/NDF: 12.3/21

Left Out: 0.025+/-0.134 χ^2/NDF:29.1/23

Right Out: -0.027+/-0.072 χ^2/NDF: 31.3/24

Left In: 0.117+/-0.132 χ^2/NDF:27.8/22

Left: 0.071+/-0.094 χ^2/NDF: 57.1/46

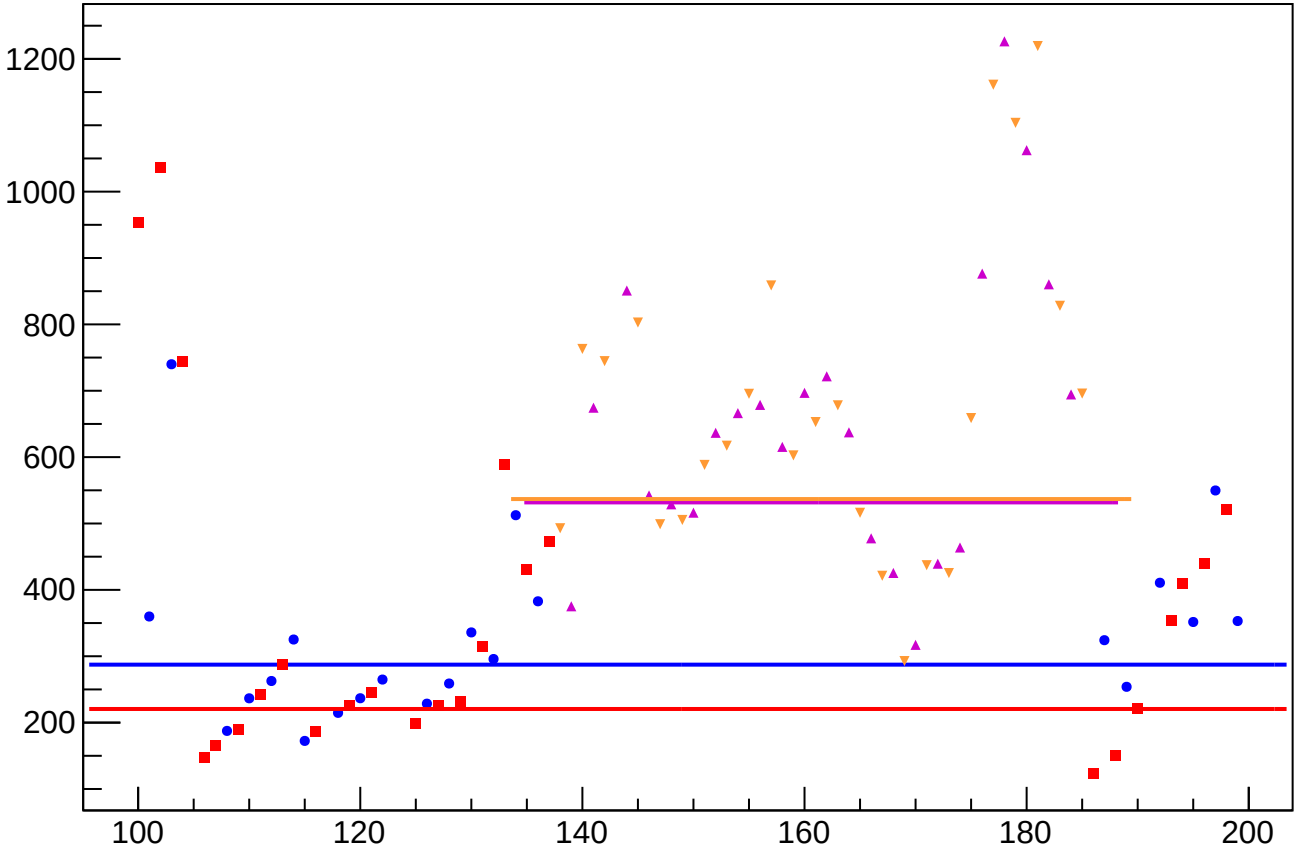
Right: 0.042+/-0.057 χ^2/NDF: 45.8/46

In: 0.139+/-0.075 χ^2/NDF:40.1/44

Out: -0.015+/-0.064 χ^2/NDF:60.5/48

All: 0.050+/-0.048 χ^2/NDF: 103.0/93

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 287.336+/-0.064 χ^2/NDF: 2035367.0/21

Left Out: 536.822+/-0.095 χ^2/NDF:3963422.5/23

Right Out: 220.540+/-0.051 χ^2/NDF: 4353626.7/24

Left In: 531.773+/-0.094 χ^2/NDF:3381293.8/22

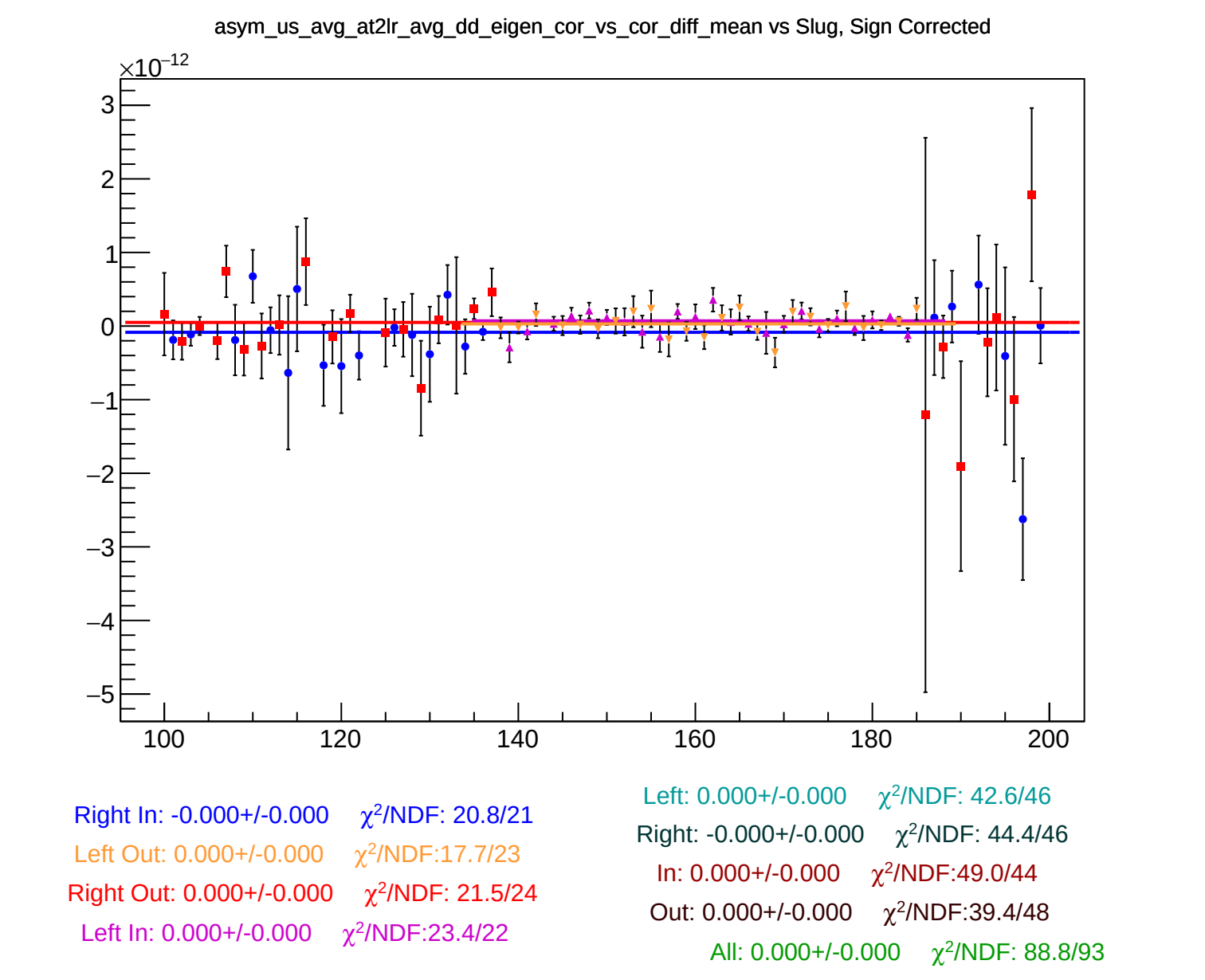
Left: 534.268+/-0.067 χ^2/NDF: 7346152.7/46

Right: 246.568+/-0.040 χ^2/NDF: 7052071.0/46

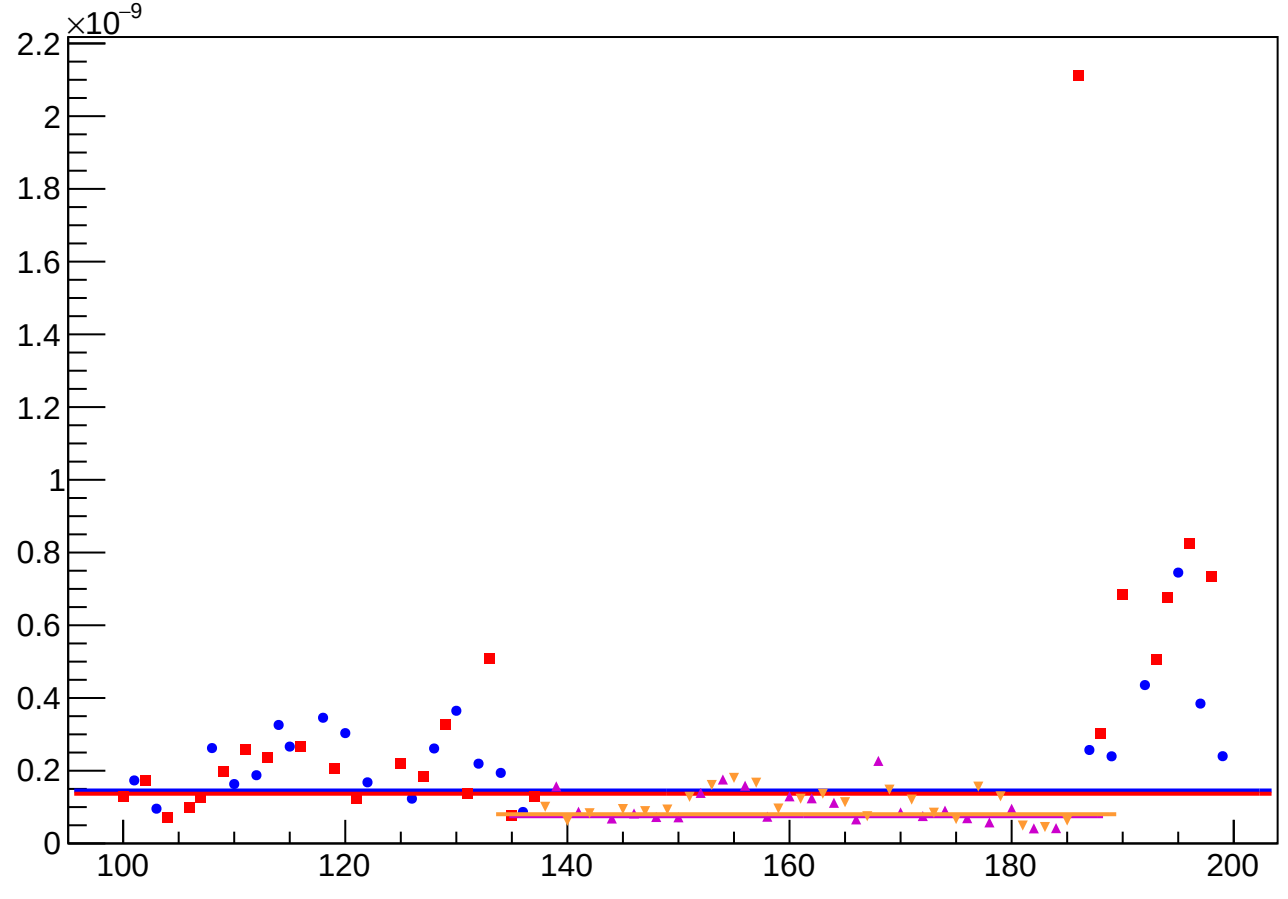
In: 365.275+/-0.053 χ^2/NDF:10055480.9/44

Out: 292.055+/-0.045 χ^2/NDF:16943569.8/48

All: 322.838+/-0.034 χ^2/NDF: 28109841.2/93


asym_us_avg_at2lr_avg_dd_eigen_cor_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: 20.8/21
Left Out: 0.000+/-0.000 χ²/NDF:17.7/23
Right Out: 0.000+/-0.000 χ²/NDF: 21.5/24
Left In: 0.000+/-0.000 χ²/NDF:23.4/22
Left: 0.000+/-0.000 χ²/NDF: 42.6/46
Right: -0.000+/-0.000 χ²/NDF: 44.4/46
In: 0.000+/-0.000 χ²/NDF:49.0/44
Out: 0.000+/-0.000 χ²/NDF:39.4/48
All: 0.000+/-0.000 χ²/NDF: 88.8/93

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: 3088967.9/21

Left Out: 0.000+/-0.000 χ^2/NDF:3732870.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 5627411.6/24

Left In: 0.000+/-0.000 χ^2/NDF:3665599.9/22

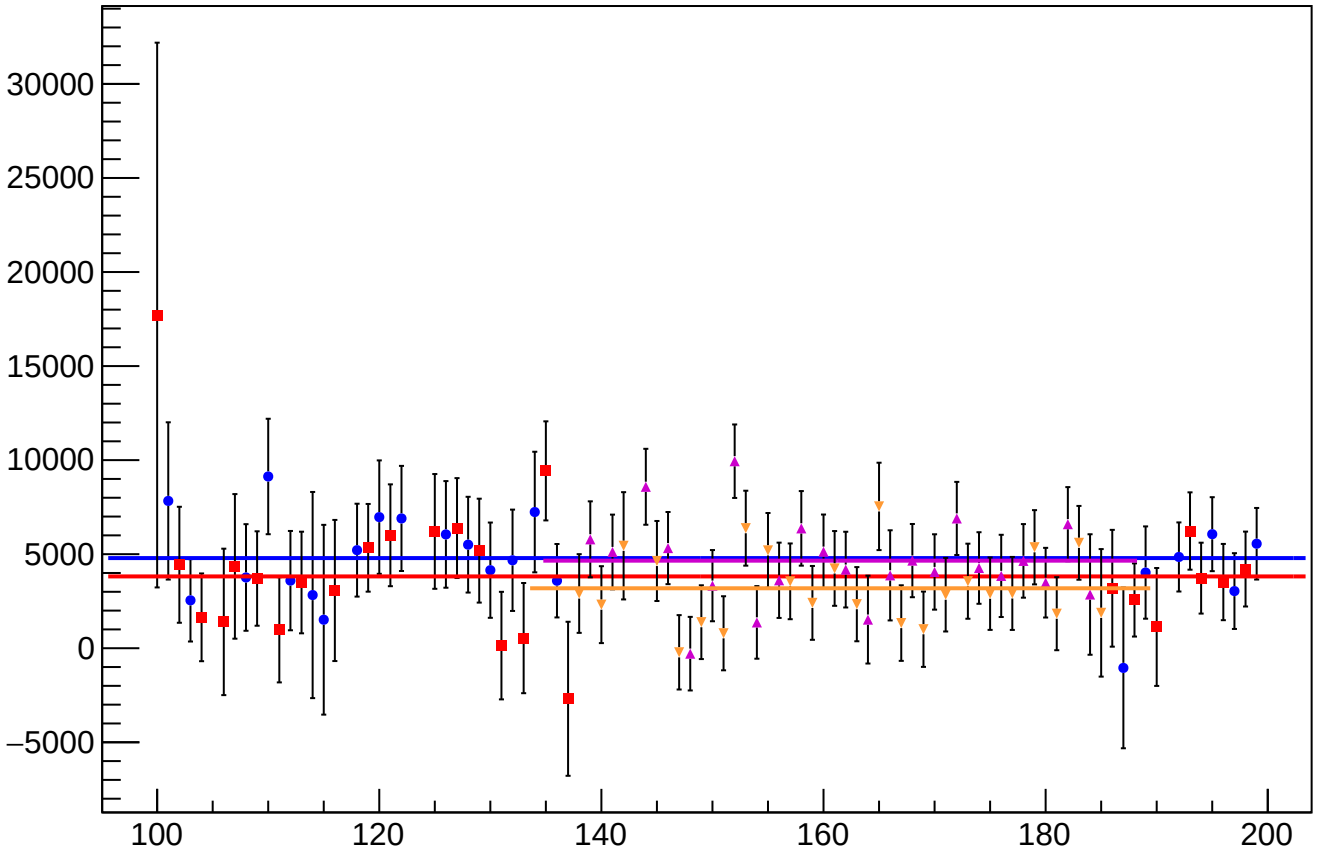
Left: 0.000+/-0.000 χ^2/NDF: 7451186.8/46

Right: 0.000+/-0.000 χ^2/NDF: 8735044.0/46

In: 0.000+/-0.000 χ^2/NDF:8754481.5/44

Out: 0.000+/-0.000 χ^2/NDF:10745328.6/48

All: 0.000+/-0.000 χ^2/NDF: 19553975.6/93



Right In: 4792.404+/-546.693 χ^2/NDF: 10.2/21

Left Out: 3187.125+/-418.619 χ^2/NDF:19.9/23

Right Out: 3817.467+/-530.788 χ^2/NDF: 18.8/24

Left In: 4655.206+/-421.691 χ^2/NDF:27.7/22

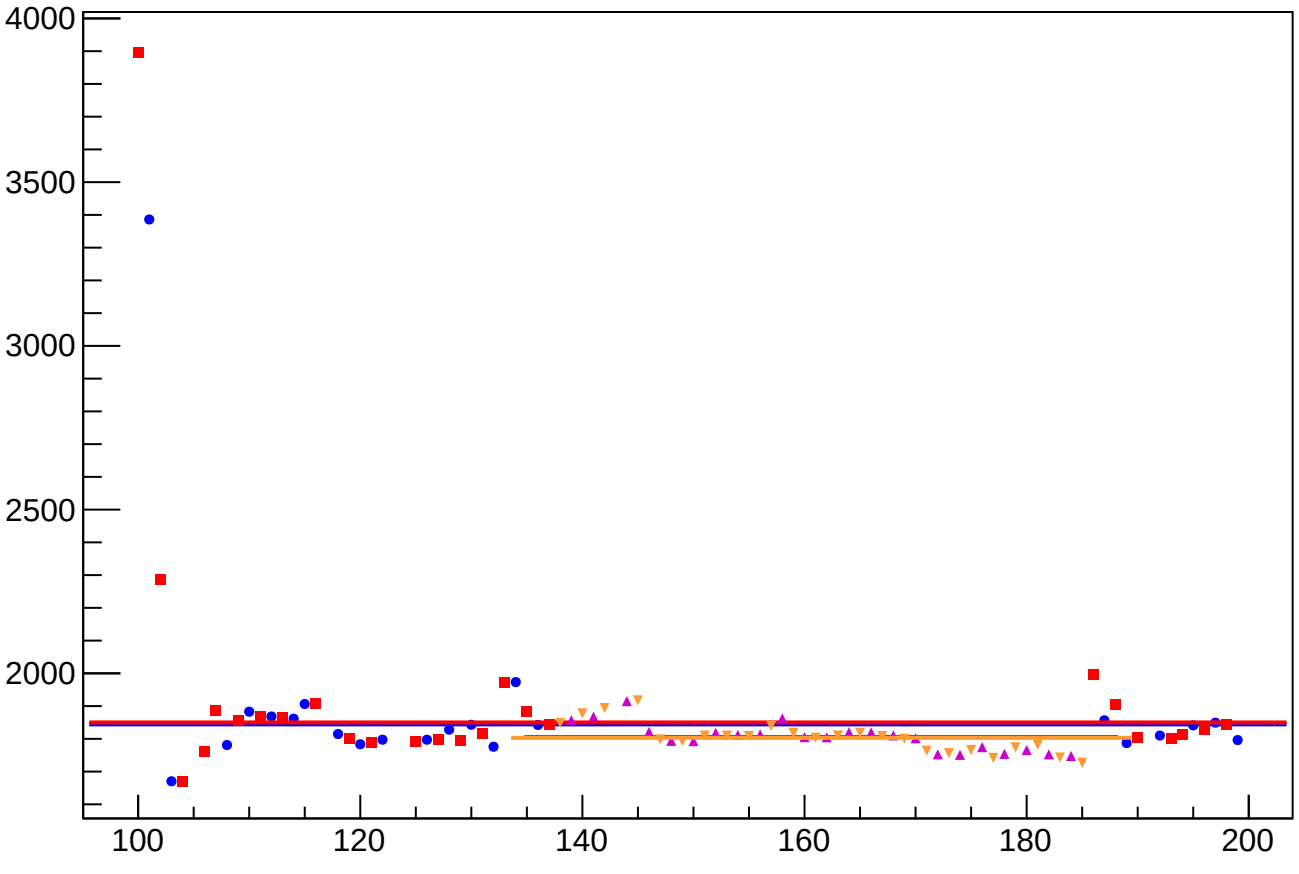
Left: 3915.797+/-297.089 χ^2/NDF: 53.7/46

Right: 4290.547+/-380.822 χ^2/NDF: 30.6/46

In: 4706.385+/-333.900 χ^2/NDF:37.9/44

Out: 3428.848+/-328.694 χ^2/NDF:39.5/48

All: 4057.580+/-234.241 χ^2/NDF: 84.9/93



Right In: 1844.086+/-0.387 χ^2/NDF: 296375.3/21

Left Out: 1803.115+/-0.296 χ^2/NDF:20641.1/23

Right Out: 1850.086+/-0.375 χ^2/NDF: 110846.9/24

Left In: 1805.559+/-0.298 χ^2/NDF:19314.7/22

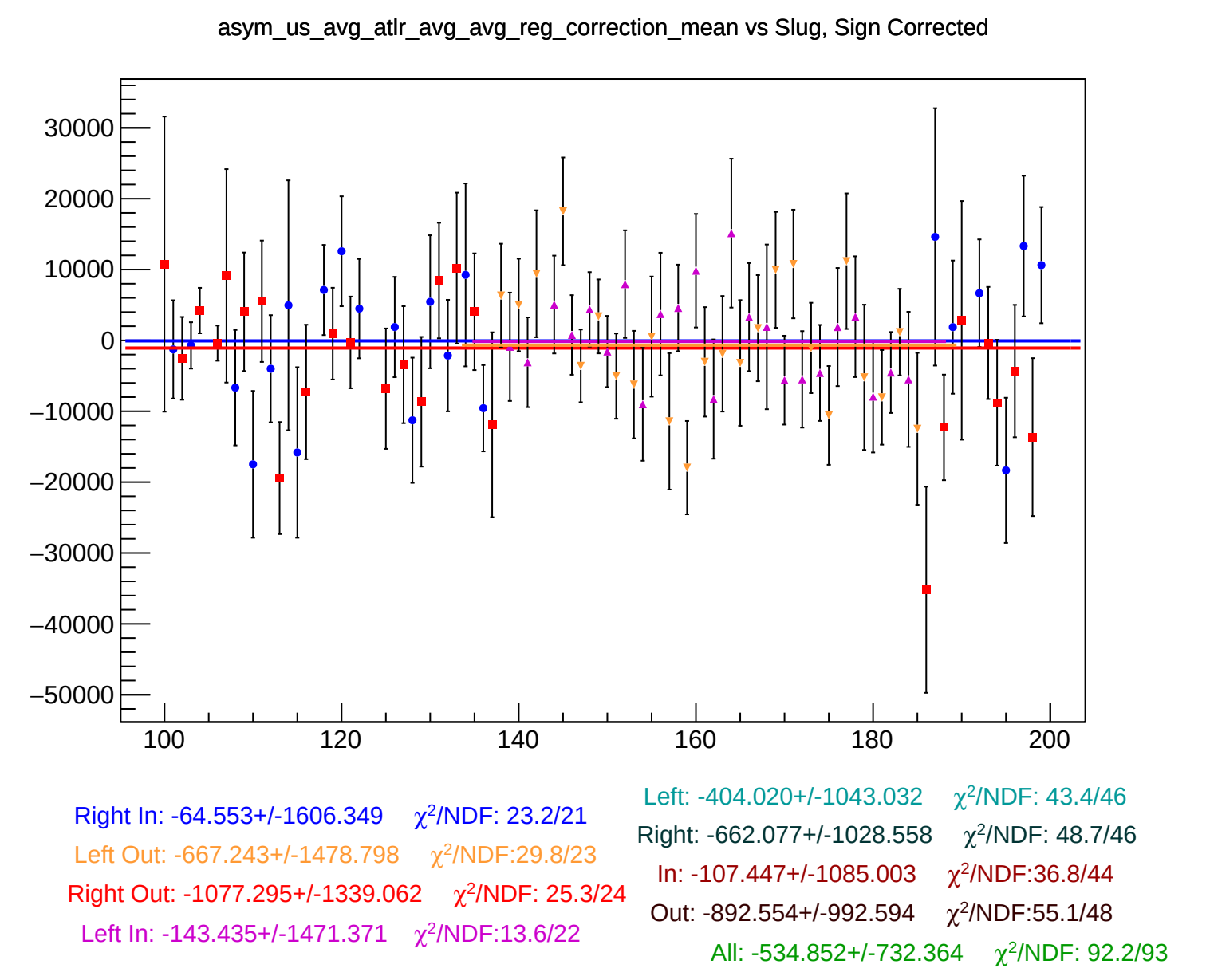
Left: 1804.328+/-0.210 χ^2/NDF: 39989.6/46

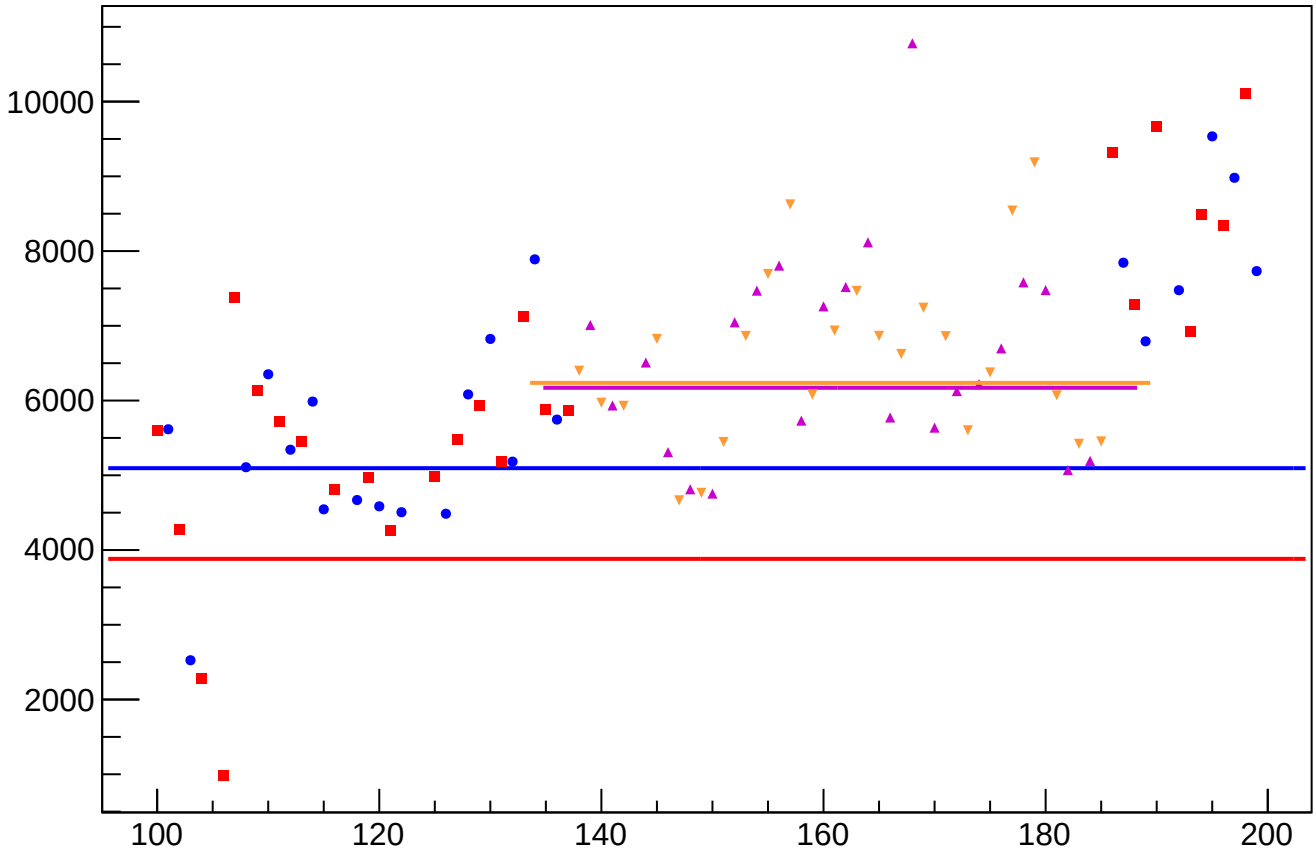
Right: 1847.180+/-0.269 χ^2/NDF: 407346.4/46

In: 1819.931+/-0.236 χ^2/NDF:321917.6/44

Out: 1821.167+/-0.232 χ^2/NDF:141165.2/48

All: 1820.559+/-0.166 χ^2/NDF: 463096.8/93


asym_us_avg_atlr_avg_avg_reg_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
−40000
−50000
100
120
140
160
180
200
Right In: -64.553+/-1606.349 χ²/NDF: 23.2/21
Left Out: -667.243+/-1478.798 χ²/NDF:29.8/23
Right Out: -1077.295+/-1339.062 χ²/NDF: 25.3/24
Left In: -143.435+/-1471.371 χ²/NDF:13.6/22
Left: -404.020+/-1043.032 χ²/NDF: 43.4/46
Right: -662.077+/-1028.558 χ²/NDF: 48.7/46
In: -107.447+/-1085.003 χ²/NDF:36.8/44
Out: -892.554+/-992.594 χ²/NDF:55.1/48
All: -534.852+/-732.364 χ²/NDF: 92.2/93



Right In: 5095.364+/-1.136 χ^2/NDF: 2741340.2/21

Left Out: 6236.636+/-1.046 χ^2/NDF:1067659.4/23

Right Out: 3881.938+/-0.947 χ^2/NDF: 7215696.4/24

Left In: 6170.791+/-1.040 χ^2/NDF:1237554.5/22

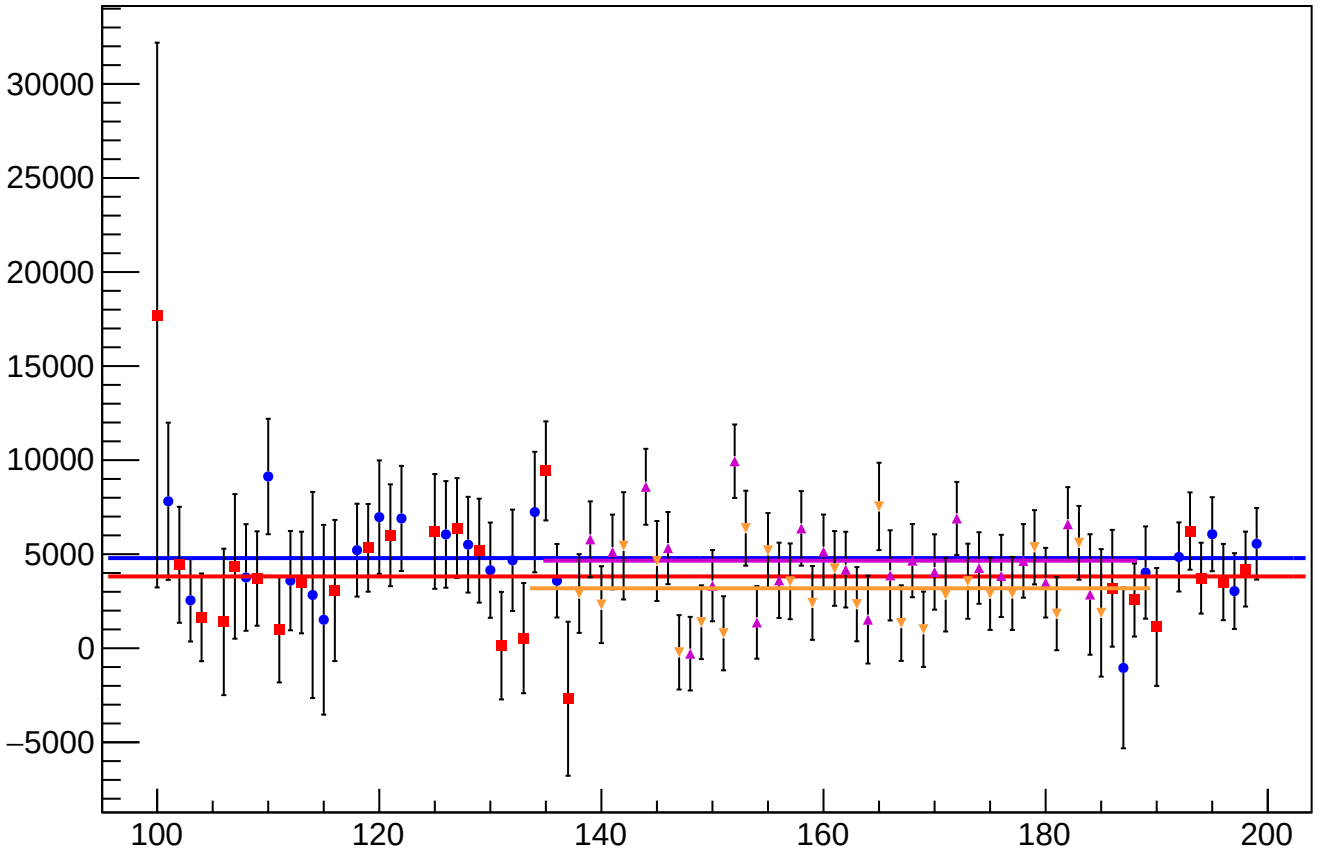
Left: 6203.548+/-0.738 χ^2/NDF: 2307206.4/46

Right: 4379.436+/-0.727 χ^2/NDF: 10630373.8/46

In: 5680.152+/-0.767 χ^2/NDF:4466344.2/44

Out: 4942.805+/-0.702 χ^2/NDF:11069636.2/48

All: 5278.747+/-0.518 χ^2/NDF: 16038811.4/9



Right In: 4792.144+/-546.693 χ^2/NDF: 10.2/21

Left Out: 3187.056+/-418.619 χ^2/NDF:19.9/23

Right Out: 3817.328+/-530.788 χ^2/NDF: 18.8/24

Left In: 4655.225+/-421.691 χ^2/NDF:27.7/22

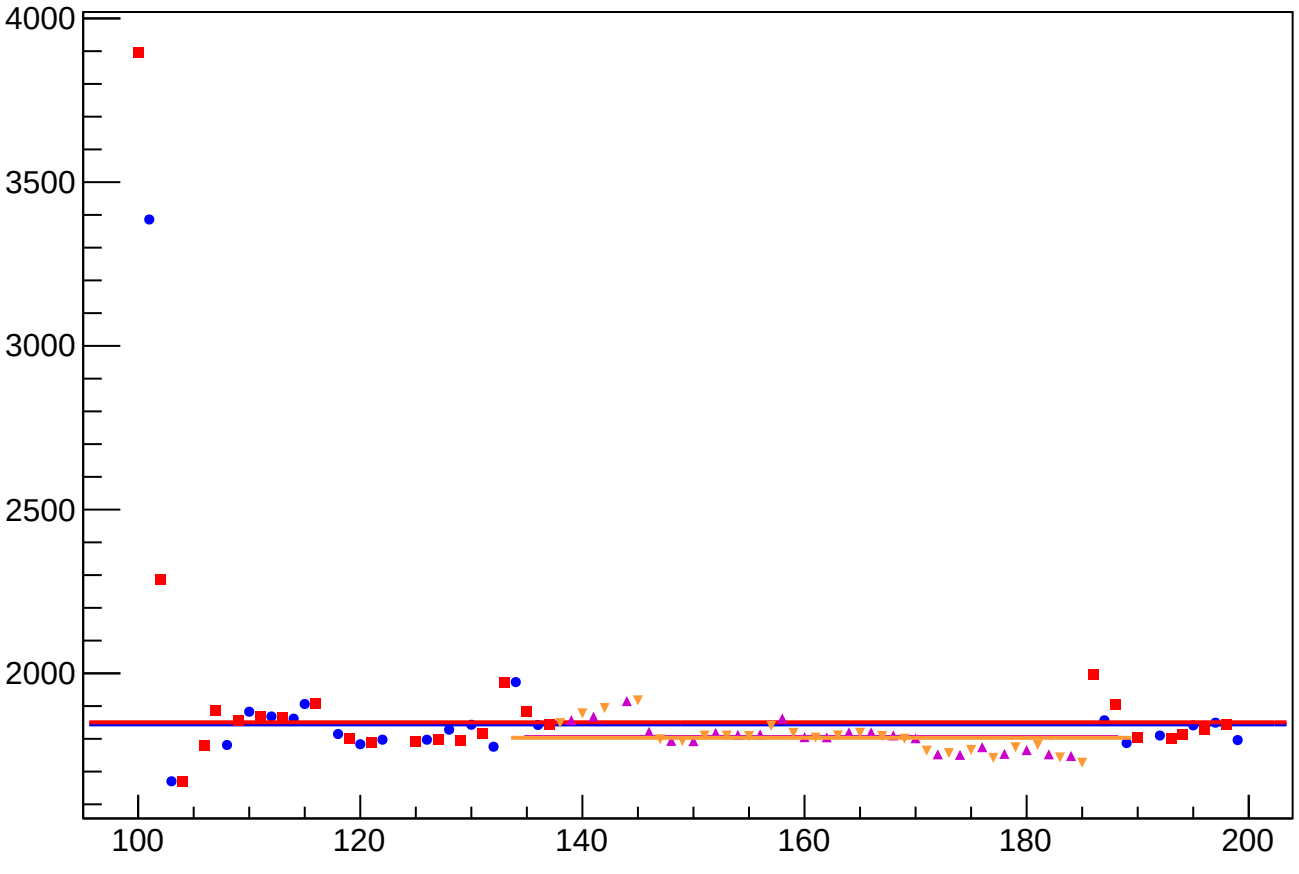
Left: 3915.772+/-297.089 χ^2/NDF: 53.7/46

Right: 4290.349+/-380.822 χ^2/NDF: 30.6/46

In: 4706.300+/-333.901 χ^2/NDF:37.9/44

Out: 3428.753+/-328.694 χ^2/NDF:39.5/48

All: 4057.489+/-234.241 χ^2/NDF: 84.9/93



Right In: 1844.086+/-0.387 χ^2/NDF: 296377.2/21

Left Out: 1803.115+/-0.296 χ^2/NDF:20641.1/23

Right Out: 1850.497+/-0.375 χ^2/NDF: 110397.3/24

Left In: 1805.559+/-0.298 χ^2/NDF:19314.6/22

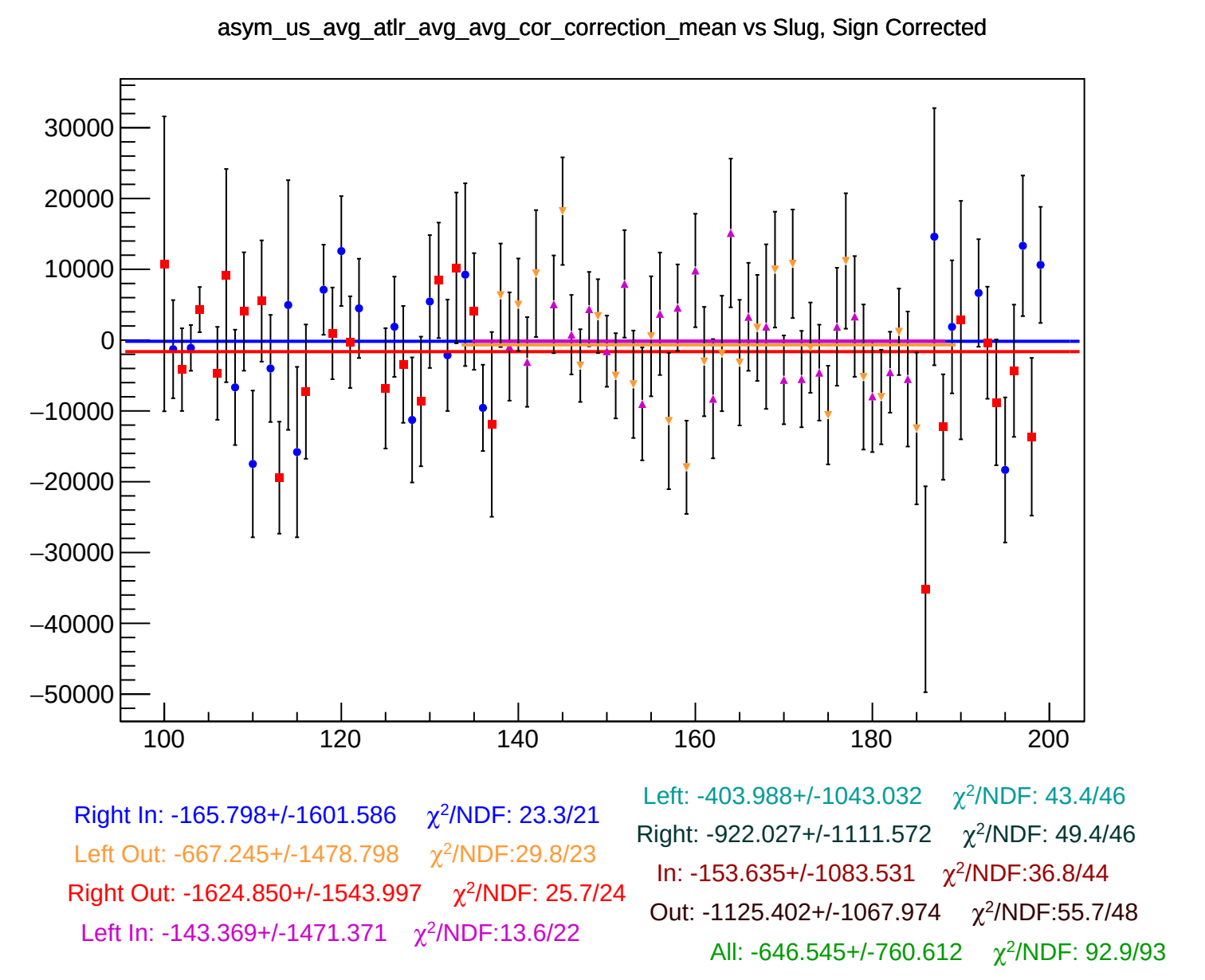
Left: 1804.328+/-0.210 χ^2/NDF: 39989.6/46

Right: 1847.391+/-0.269 χ^2/NDF: 406916.3/46

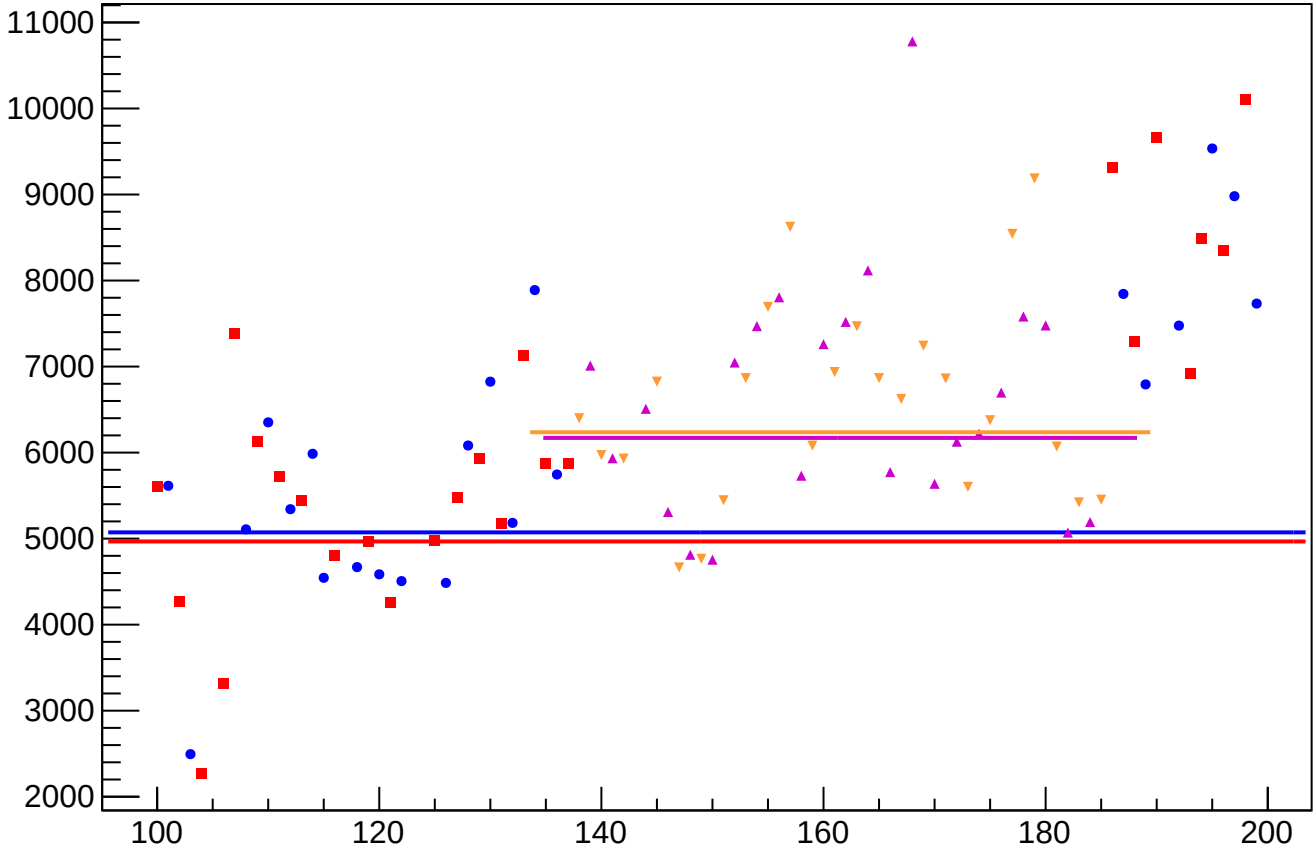
In: 1819.931+/-0.236 χ^2/NDF:321919.5/44

Out: 1821.320+/-0.232 χ^2/NDF:140883.4/48

All: 1820.637+/-0.166 χ^2/NDF: 462820.5/93


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: -165.798+/-1601.586 χ²/NDF: 23.3/21
Left Out: -667.245+/-1478.798 χ²/NDF:29.8/23
Right Out: -1624.850+/-1543.997 χ²/NDF: 25.7/24
Left In: -143.369+/-1471.371 χ²/NDF:13.6/22
Left: -403.988+/-1043.032 χ²/NDF: 43.4/46
Right: -922.027+/-1111.572 χ²/NDF: 49.4/46
In: -153.635+/-1083.531 χ²/NDF:36.8/44
Out: -1125.402+/-1067.974 χ²/NDF:55.7/48
All: -646.545+/-760.612 χ²/NDF: 92.9/93

asym_us_avg_atlr_avg_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 5072.550+/-1.132 χ^2/NDF: 2801838.5/21

Left Out: 6236.635+/-1.046 χ^2/NDF:1067665.4/23

Right Out: 4967.050+/-1.092 χ^2/NDF: 3521507.7/24

Left In: 6170.789+/-1.040 χ^2/NDF:1237564.5/22

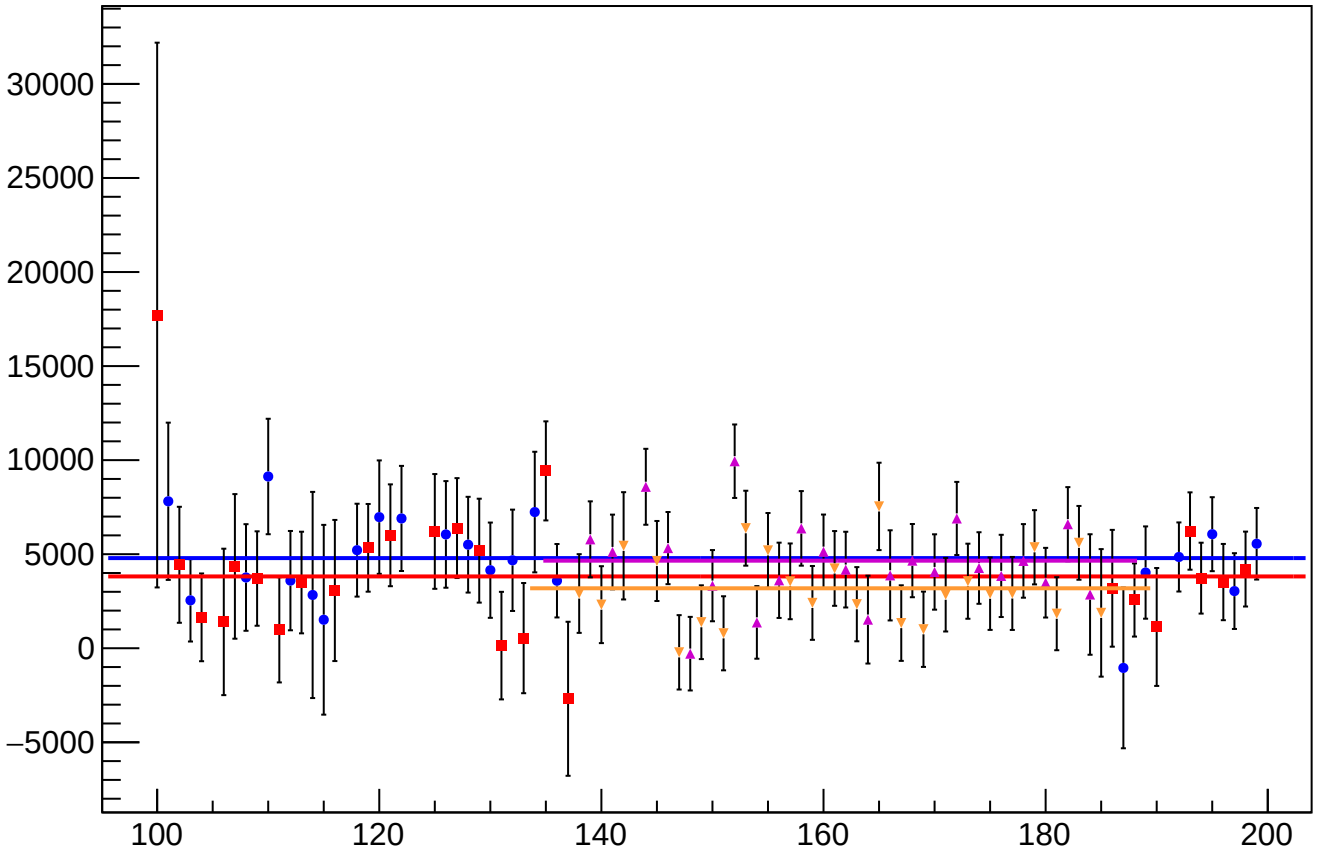
Left: 6203.546+/-0.738 χ^2/NDF: 2307222.5/46

Right: 5017.869+/-0.786 χ^2/NDF: 6327844.2/46

In: 5668.123+/-0.766 χ^2/NDF:4549392.7/44

Out: 5629.214+/-0.755 χ^2/NDF:5294456.8/48

All: 5648.387+/-0.538 χ^2/NDF: 9845157.7/93



Right In: 4792.144+/-546.693 χ^2/NDF: 10.2/21

Left Out: 3187.056+/-418.619 χ^2/NDF:19.9/23

Right Out: 3817.328+/-530.788 χ^2/NDF: 18.8/24

Left In: 4655.225+/-421.691 χ^2/NDF:27.7/22

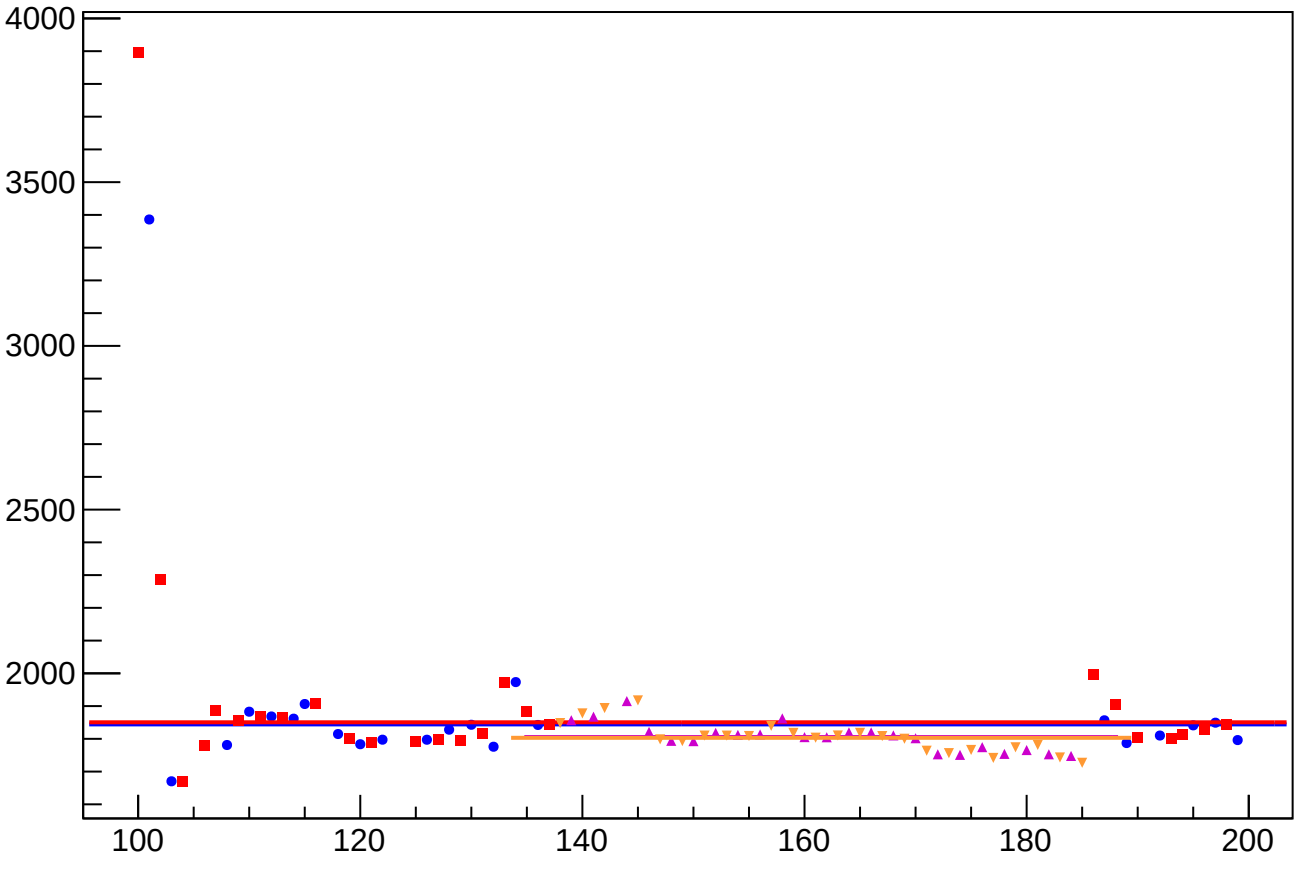
Left: 3915.772+/-297.089 χ^2/NDF: 53.7/46

Right: 4290.349+/-380.822 χ^2/NDF: 30.6/46

In: 4706.300+/-333.901 χ^2/NDF:37.9/44

Out: 3428.753+/-328.694 χ^2/NDF:39.5/48

All: 4057.489+/-234.241 χ^2/NDF: 84.9/93



Right In: 1844.086+/-0.387 χ^2/NDF: 296377.2/21

Left Out: 1803.115+/-0.296 χ^2/NDF:20641.1/23

Right Out: 1850.497+/-0.375 χ^2/NDF: 110397.3/24

Left In: 1805.559+/-0.298 χ^2/NDF:19314.6/22

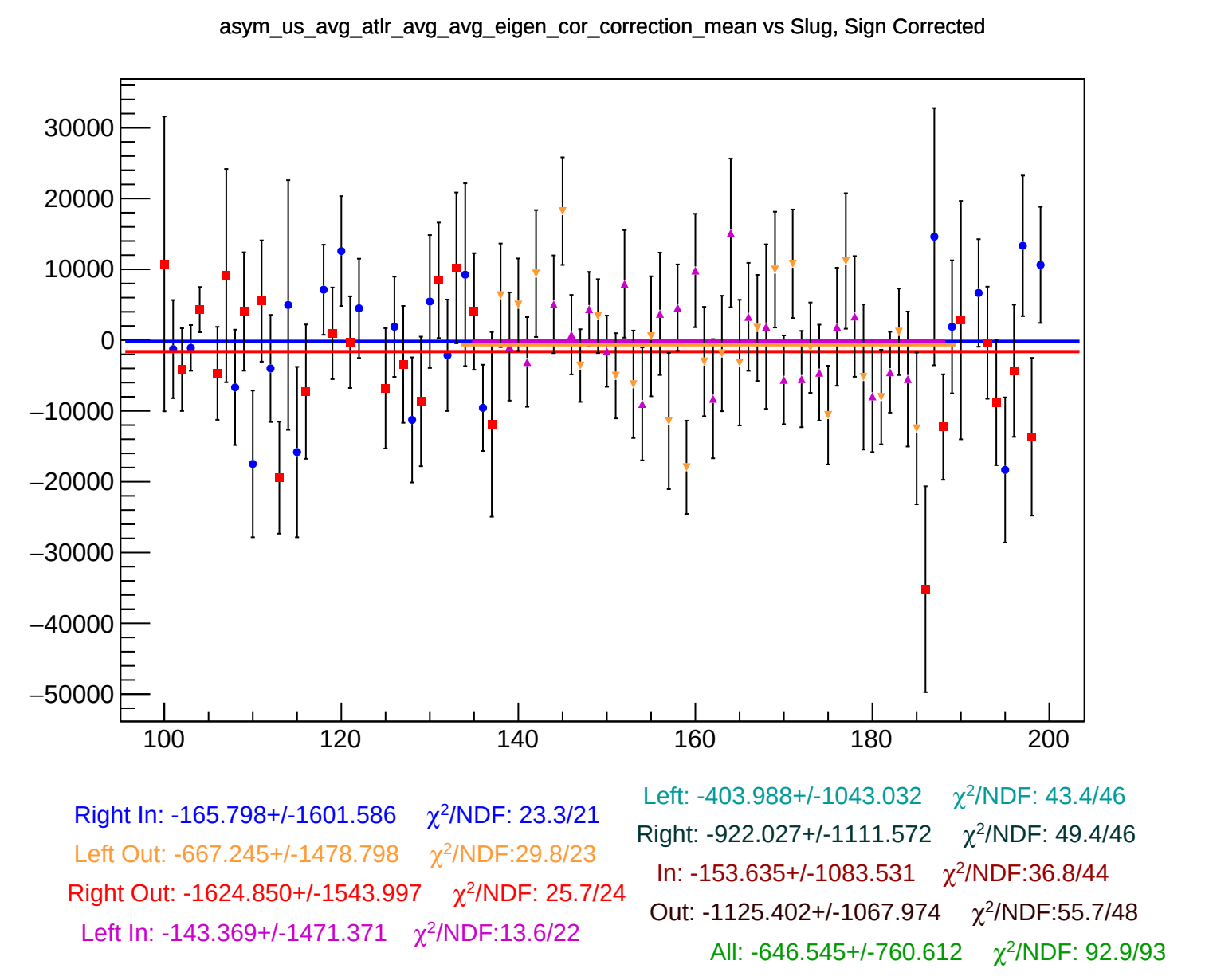
Left: 1804.328+/-0.210 χ^2/NDF: 39989.6/46

Right: 1847.391+/-0.269 χ^2/NDF: 406916.3/46

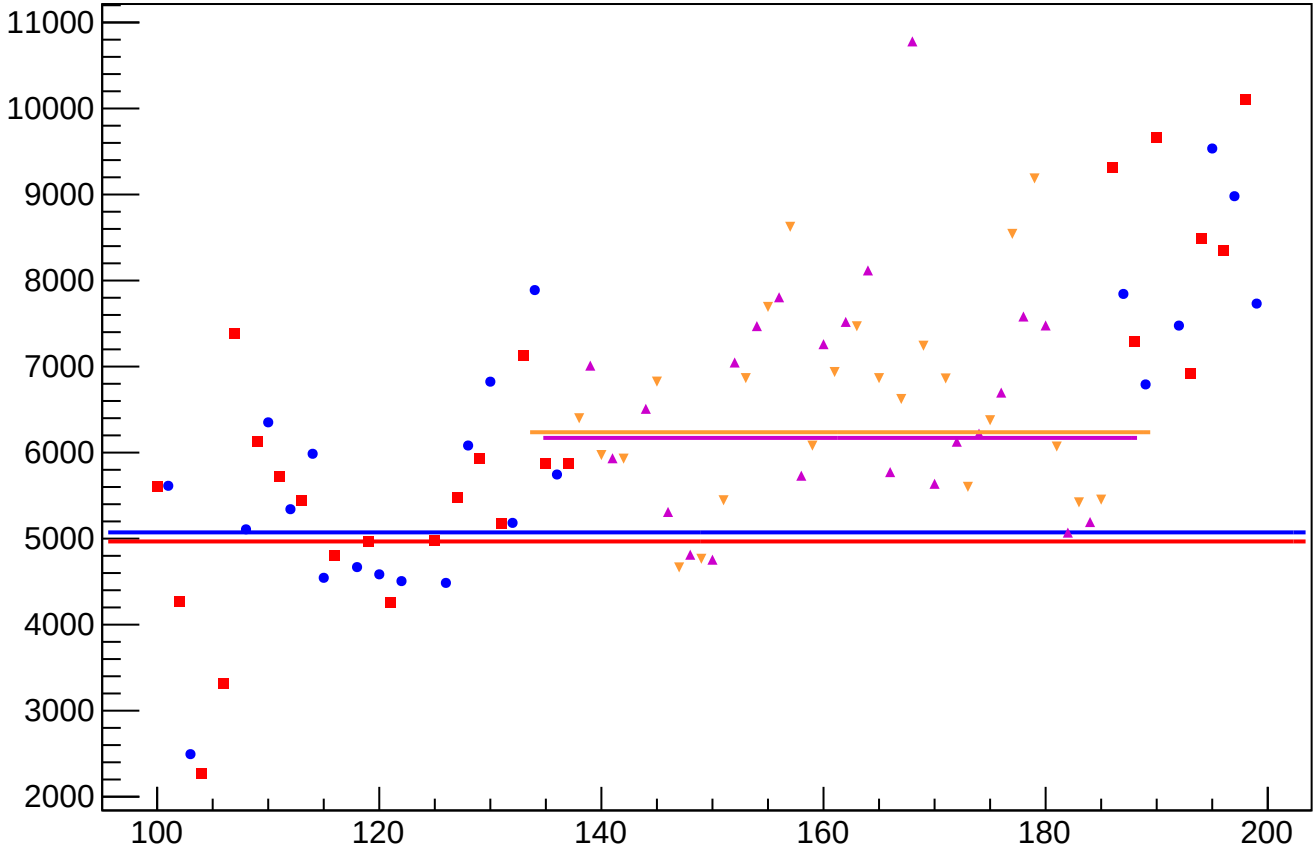
In: 1819.931+/-0.236 χ^2/NDF:321919.5/44

Out: 1821.320+/-0.232 χ^2/NDF:140883.4/48

All: 1820.637+/-0.166 χ^2/NDF: 462820.5/93


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: -165.798+/-1601.586 χ²/NDF: 23.3/21
Left Out: -667.245+/-1478.798 χ²/NDF:29.8/23
Right Out: -1624.850+/-1543.997 χ²/NDF: 25.7/24
Left In: -143.369+/-1471.371 χ²/NDF:13.6/22
Left: -403.988+/-1043.032 χ²/NDF: 43.4/46
Right: -922.027+/-1111.572 χ²/NDF: 49.4/46
In: -153.635+/-1083.531 χ²/NDF:36.8/44
Out: -1125.402+/-1067.974 χ²/NDF:55.7/48
All: -646.545+/-760.612 χ²/NDF: 92.9/93

asym_us_avg_atlr_avg_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 5072.550+/-1.132 χ^2/NDF: 2801838.5/21

Left Out: 6236.635+/-1.046 χ^2/NDF:1067665.4/23

Right Out: 4967.050+/-1.092 χ^2/NDF: 3521507.7/24

Left In: 6170.789+/-1.040 χ^2/NDF:1237564.5/22

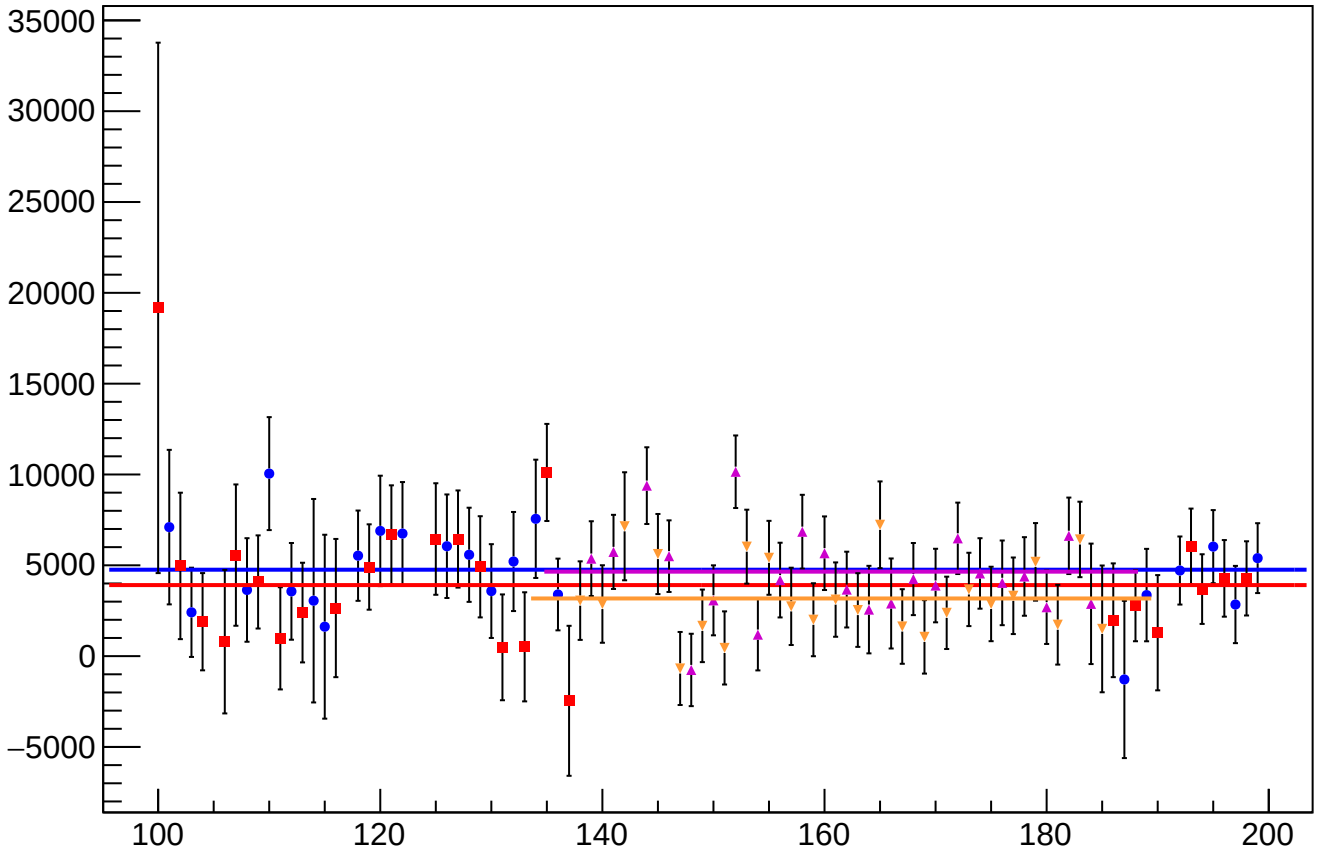
Left: 6203.546+/-0.738 χ^2/NDF: 2307222.5/46

Right: 5017.869+/-0.786 χ^2/NDF: 6327844.2/46

In: 5668.123+/-0.766 χ^2/NDF:4549392.7/44

Out: 5629.214+/-0.755 χ^2/NDF:5294456.8/48

All: 5648.387+/-0.538 χ^2/NDF: 9845157.7/93



Right In: 4757.907+/-559.685 χ^2/NDF: 11.4/21

Left Out: 3174.550+/-434.815 χ^2/NDF:21.6/23

Right Out: 3911.400+/-545.221 χ^2/NDF: 19.9/24

Left In: 4650.461+/-436.198 χ^2/NDF:30.5/22

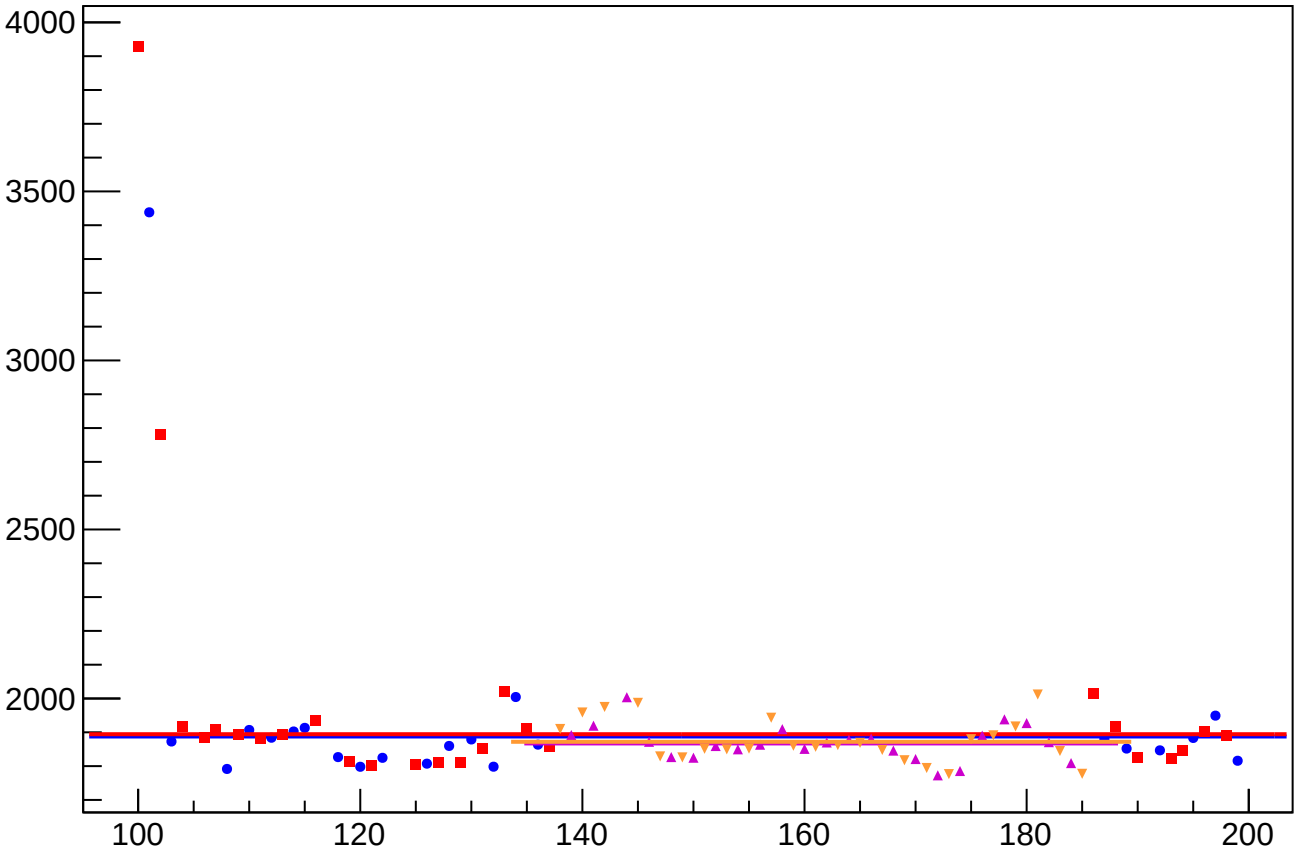
Left: 3910.162+/-307.948 χ^2/NDF: 57.8/46

Right: 4323.574+/-390.543 χ^2/NDF: 32.4/46

In: 4691.063+/-344.049 χ^2/NDF:41.9/44

Out: 3461.006+/-339.947 χ^2/NDF:42.6/48

All: 4068.658+/-241.816 χ^2/NDF: 91.0/93



Right In: 1887.658+/-0.396 χ^2/NDF: 284890.5/21

Left Out: 1871.979+/-0.307 χ^2/NDF:37154.8/23

Right Out: 1894.405+/-0.385 χ^2/NDF: 158381.7/24

Left In: 1867.079+/-0.308 χ^2/NDF:27246.7/22

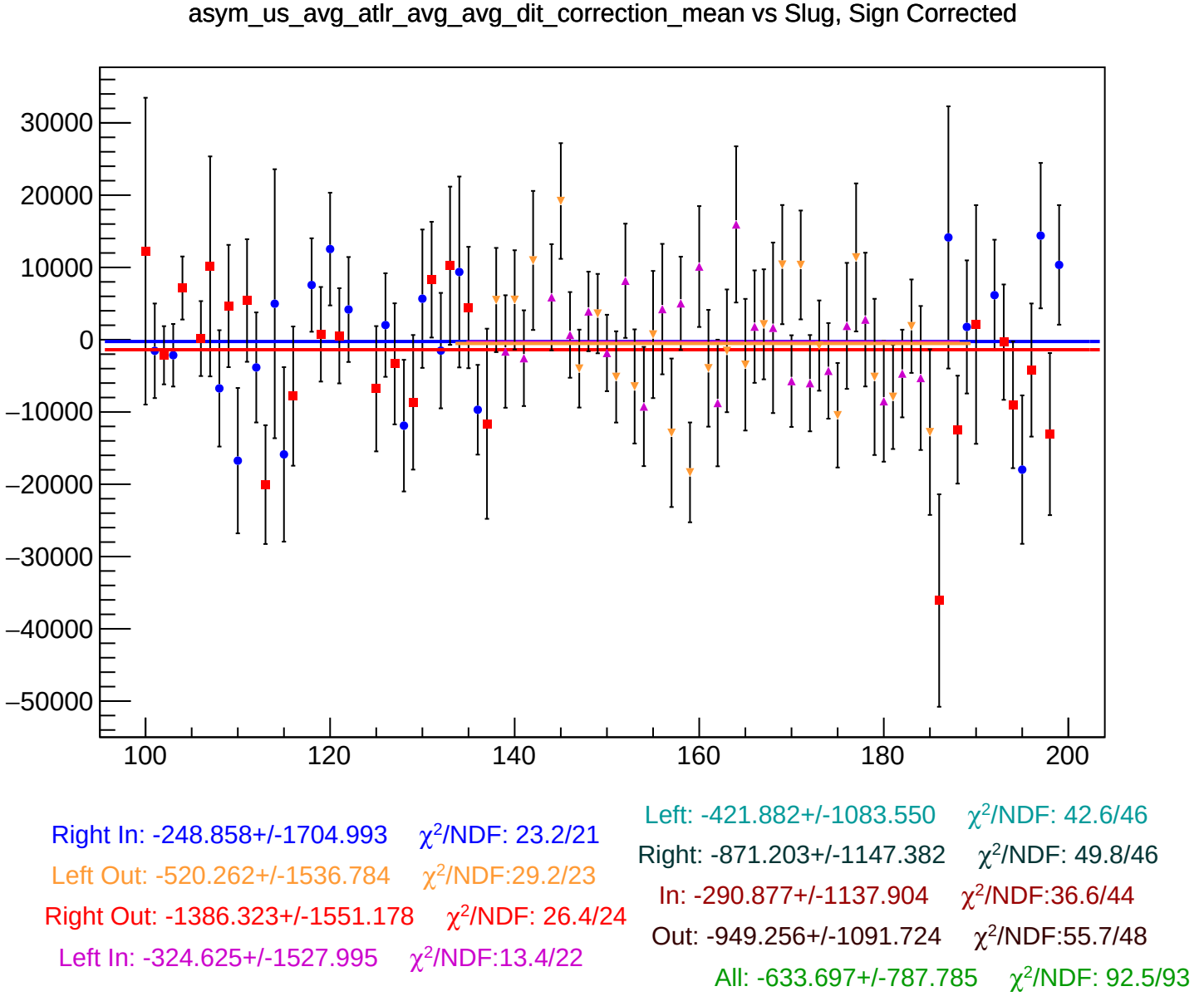
Left: 1869.537+/-0.218 χ^2/NDF: 64528.1/46

Right: 1891.122+/-0.276 χ^2/NDF: 443421.4/46

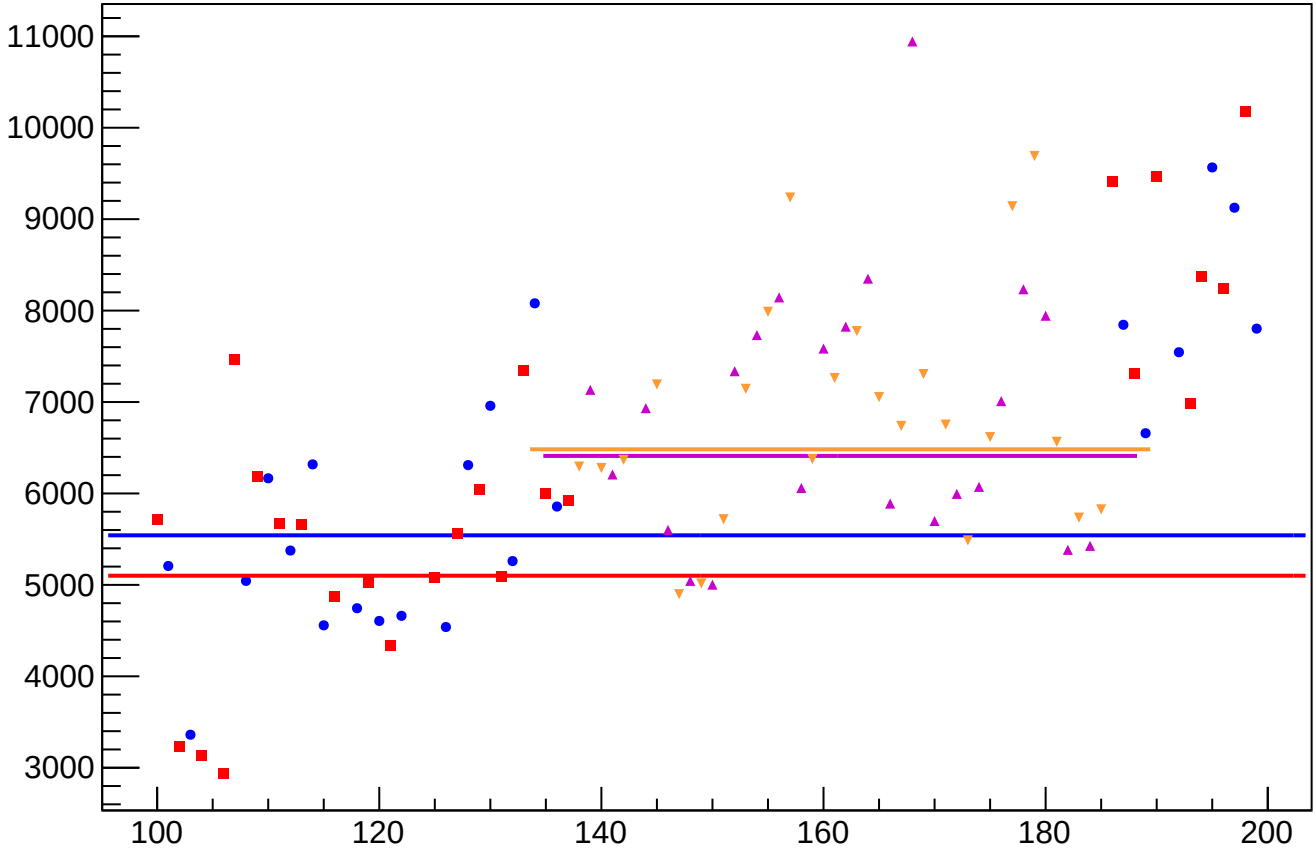
In: 1874.855+/-0.243 χ^2/NDF:313819.4/44

Out: 1880.704+/-0.240 χ^2/NDF:197606.2/48

All: 1877.815+/-0.171 χ^2/NDF: 511718.1/93


asym_us_avg_atlr_avg_avg_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
−40000
−50000
100
120
140
160
180
200
Right In: -248.858+/-1704.993 χ²/NDF: 23.2/21
Left Out: -520.262+/-1536.784 χ²/NDF:29.2/23
Right Out: -1386.323+/-1551.178 χ²/NDF: 26.4/24
Left In: -324.625+/-1527.995 χ²/NDF:13.4/22
Left: -421.882+/-1083.550 χ²/NDF: 42.6/46
Right: -871.203+/-1147.382 χ²/NDF: 49.8/46
In: -290.877+/-1137.904 χ²/NDF:36.6/44
Out: -949.256+/-1091.724 χ²/NDF:55.7/48
All: -633.697+/-787.785 χ²/NDF: 92.5/93

asym_us_avg_atlr_avg_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 5542.093+/-1.206 χ^2/NDF: 1721425.0/21

Left Out: 6482.730+/-1.087 χ^2/NDF:1074584.9/23

Right Out: 5100.333+/-1.097 χ^2/NDF: 2976717.9/24

Left In: 6410.419+/-1.080 χ^2/NDF:1219830.0/22

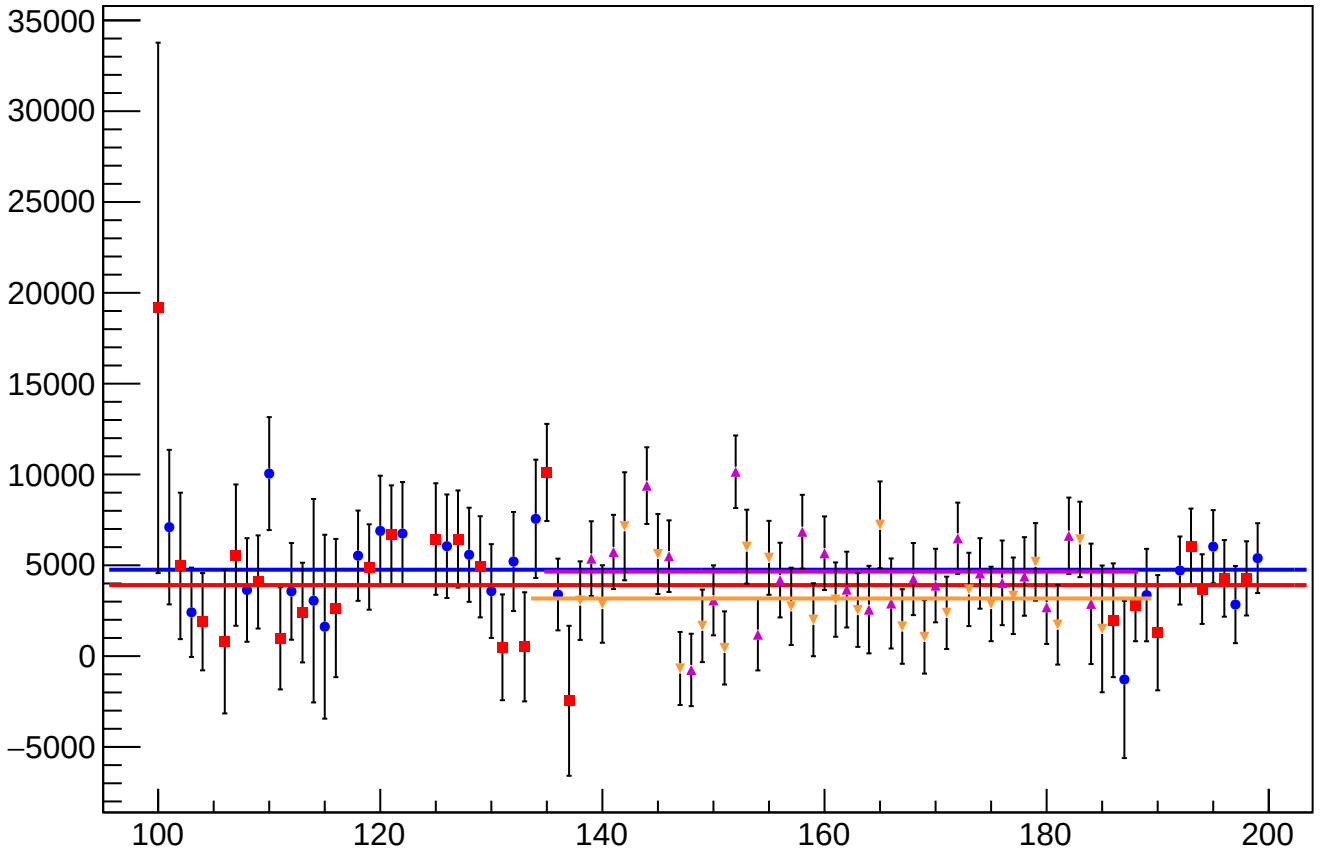
Left: 6446.367+/-0.766 χ^2/NDF: 2296641.6/46

Right: 5300.392+/-0.811 χ^2/NDF: 4771602.8/46

In: 6023.653+/-0.805 χ^2/NDF:3228940.1/44

Out: 5797.975+/-0.772 χ^2/NDF:4852929.0/48

All: 5906.142+/-0.557 χ^2/NDF: 8122831.5/93



Right In: 4757.904+/-559.685 χ^2/NDF: 11.4/21

Left Out: 3174.543+/-434.815 χ^2/NDF:21.6/23

Right Out: 3911.397+/-545.221 χ^2/NDF: 19.9/24

Left In: 4650.462+/-436.198 χ^2/NDF:30.5/22

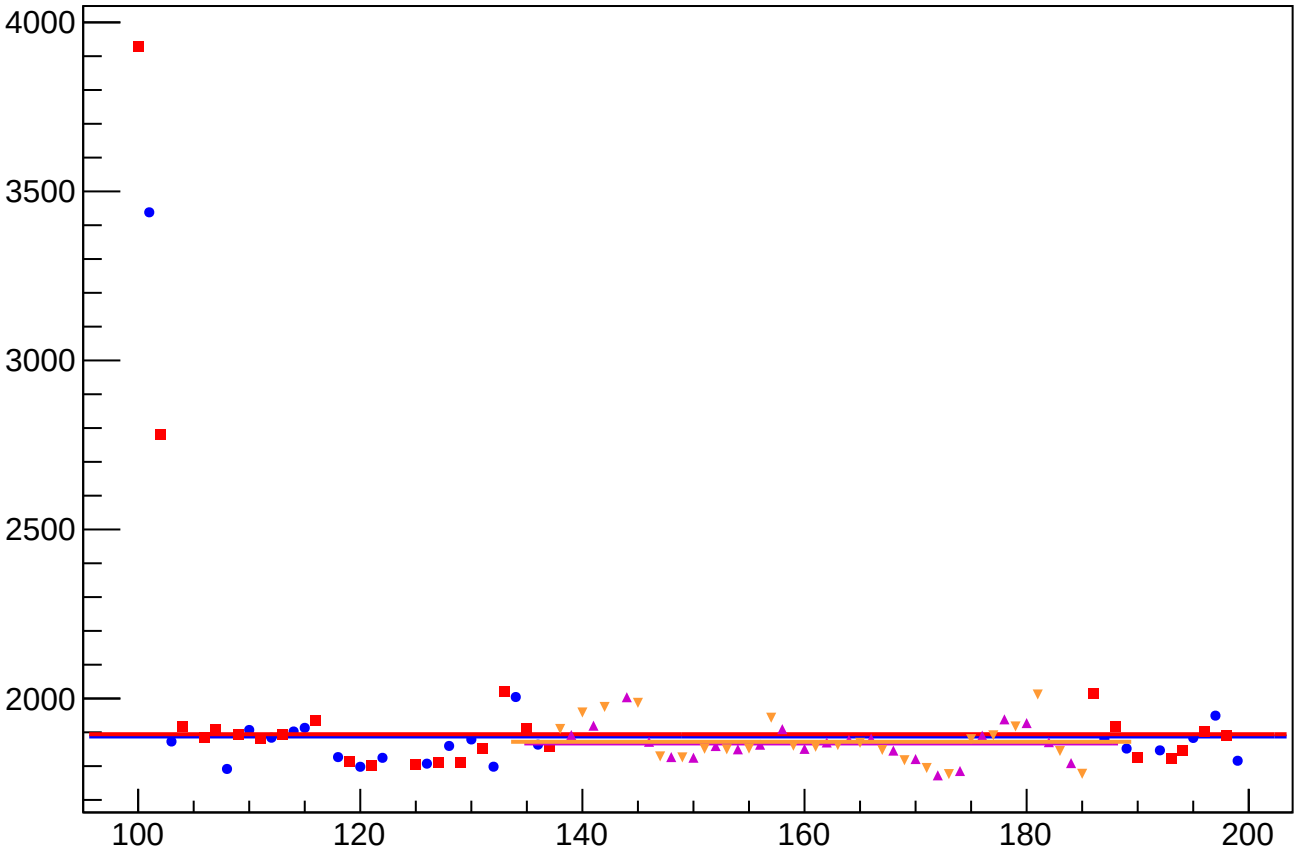
Left: 3910.160+/-307.949 χ^2/NDF: 57.8/46

Right: 4323.571+/-390.543 χ^2/NDF: 32.4/46

In: 4691.062+/-344.049 χ^2/NDF:41.9/44

Out: 3461.001+/-339.947 χ^2/NDF:42.6/48

All: 4068.655+/-241.816 χ^2/NDF: 91.0/93



Right In: 1887.657+/-0.396 χ^2/NDF: 284890.8/21

Left Out: 1871.981+/-0.307 χ^2/NDF:37155.9/23

Right Out: 1894.404+/-0.385 χ^2/NDF: 158380.8/24

Left In: 1867.080+/-0.308 χ^2/NDF:27247.8/22

Left: 1869.538+/-0.218 χ^2/NDF: 64530.3/46

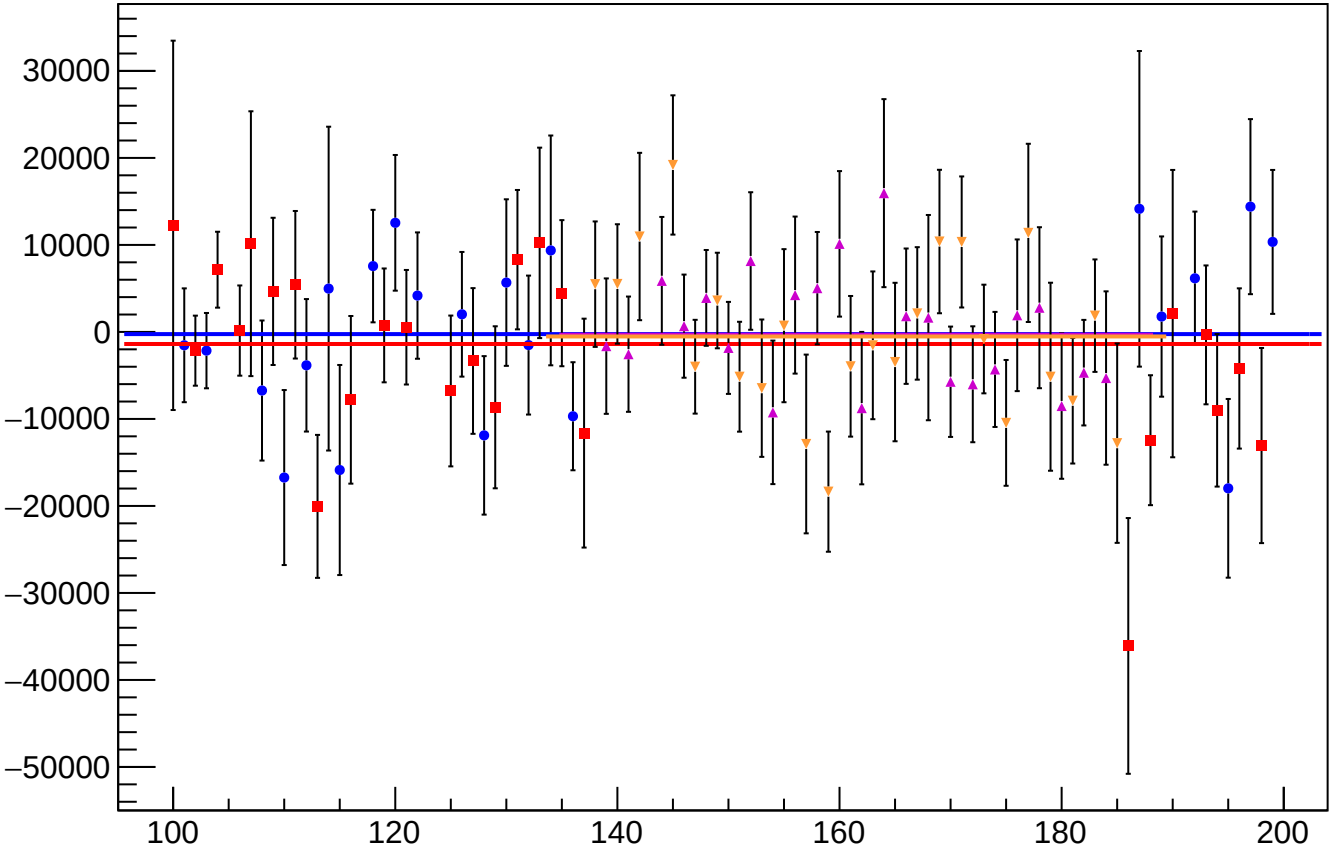
Right: 1891.121+/-0.276 χ^2/NDF: 443420.8/46

In: 1874.856+/-0.243 χ^2/NDF:313820.5/44

Out: 1880.705+/-0.240 χ^2/NDF:197606.0/48

All: 1877.816+/-0.171 χ^2/NDF: 511719.0/93

asym_us_avg_atlr_avg_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -248.854+/-1704.990 χ^2/NDF: 23.2/21

Left Out: -520.268+/-1536.787 χ^2/NDF:29.2/23

Right Out: -1386.315+/-1551.175 χ^2/NDF: 26.4/24

Left In: -324.626+/-1527.998 χ^2/NDF:13.4/22

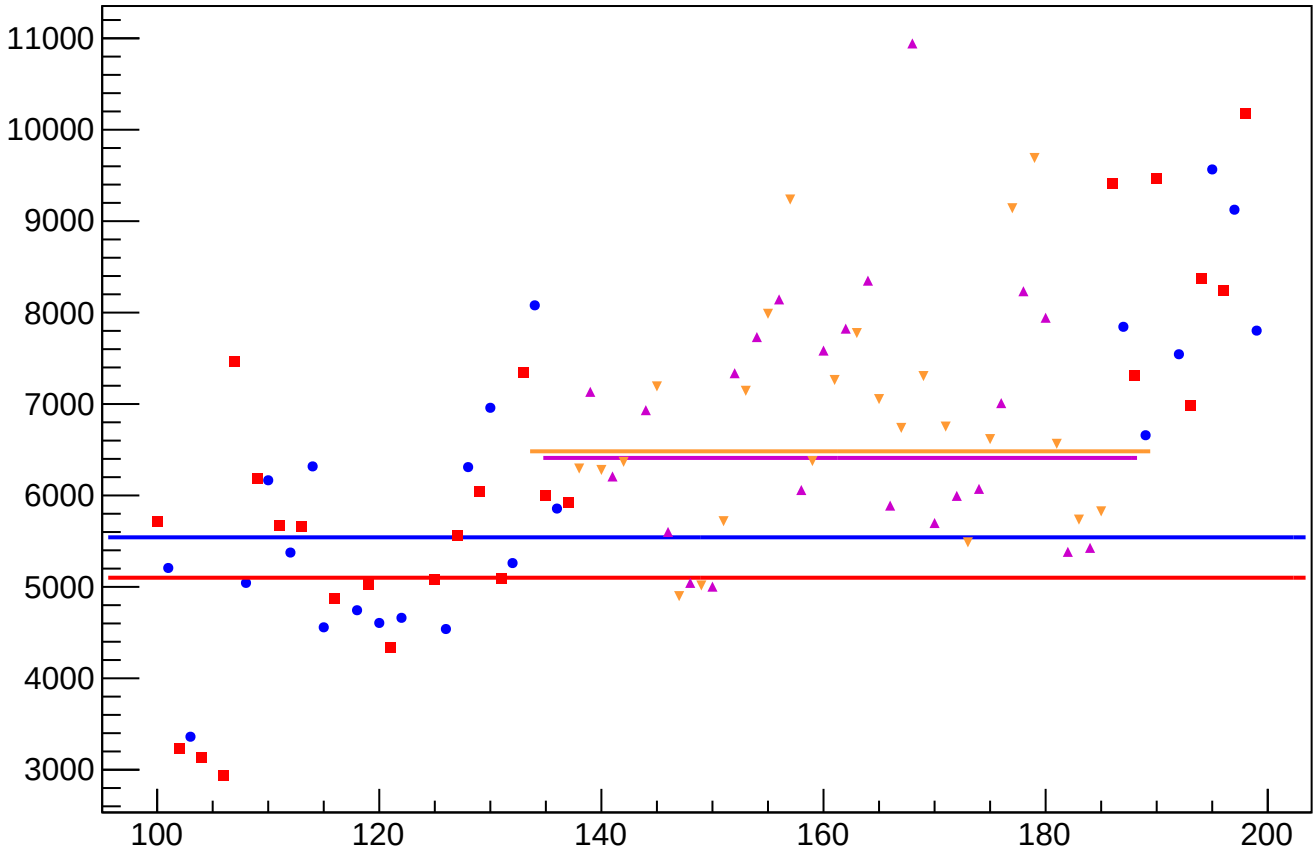
Left: -421.886+/-1083.552 χ^2/NDF: 42.6/46

Right: -871.196+/-1147.380 χ^2/NDF: 49.8/46

In: -290.876+/-1137.904 χ^2/NDF:36.6/44

Out: -949.256+/-1091.724 χ^2/NDF:55.7/48

All: -633.697+/-787.785 χ^2/NDF: 92.5/93



Right In: 5542.081+/-1.206 χ^2/NDF: 1721442.1/21

Left Out: 6482.740+/-1.087 χ^2/NDF:1074587.3/23

Right Out: 5100.322+/-1.097 χ^2/NDF: 2976733.1/24

Left In: 6410.429+/-1.080 χ^2/NDF:1219833.0/22

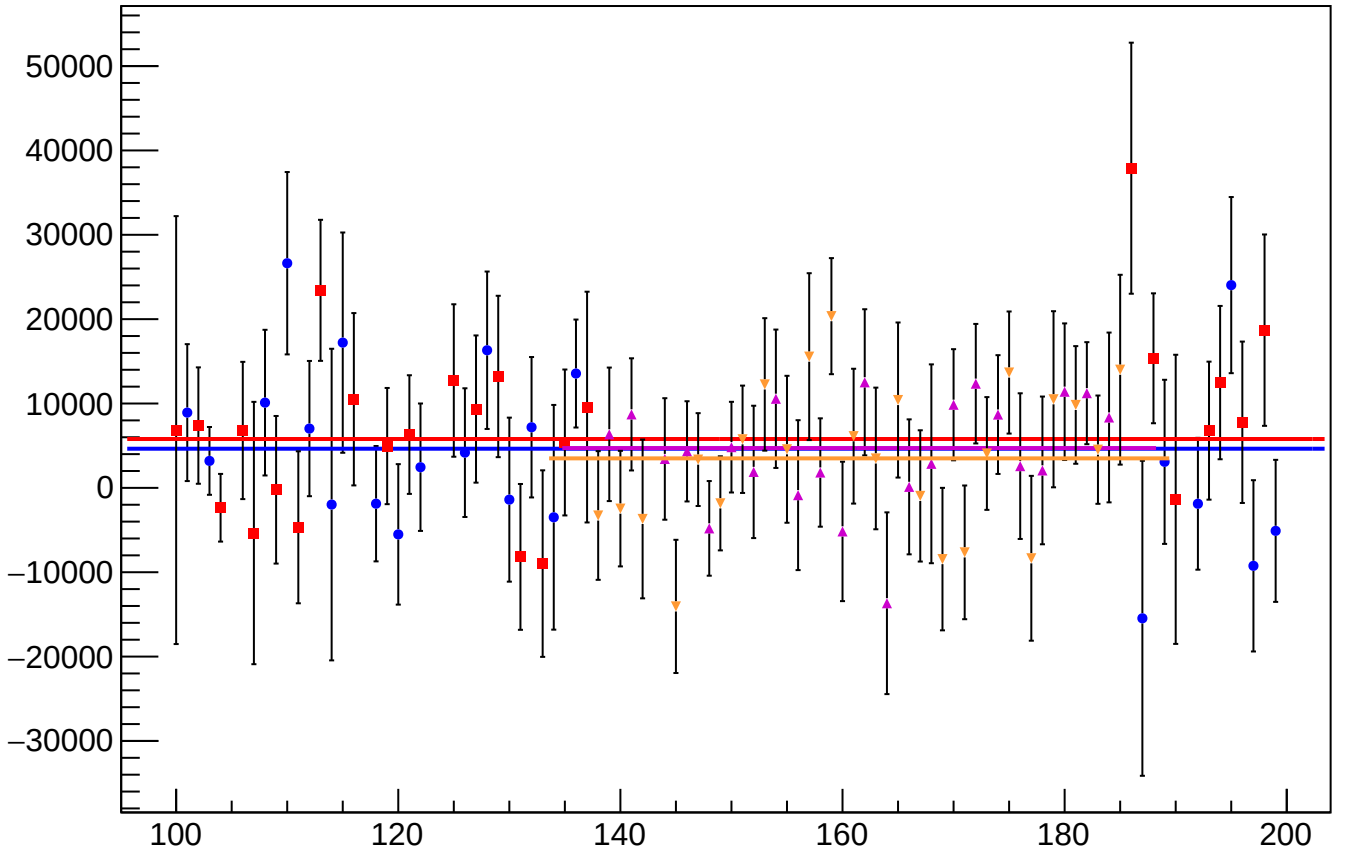
Left: 6446.377+/-0.766 χ^2/NDF: 2296647.1/46

Right: 5300.380+/-0.811 χ^2/NDF: 4771635.2/46

In: 6023.651+/-0.805 χ^2/NDF:3228975.1/44

Out: 5797.972+/-0.772 χ^2/NDF:4852972.7/48

All: 5906.140+/-0.557 χ^2/NDF: 8122910.8/93



Right In: 4641.150+/-1758.677 χ^2/NDF: 21.5/21

Left Out: 3497.162+/-1545.839 χ^2/NDF:27.5/23

Right Out: 5792.658+/-1710.859 χ^2/NDF: 25.3/24

Left In: 4719.535+/-1539.177 χ^2/NDF:14.3/22

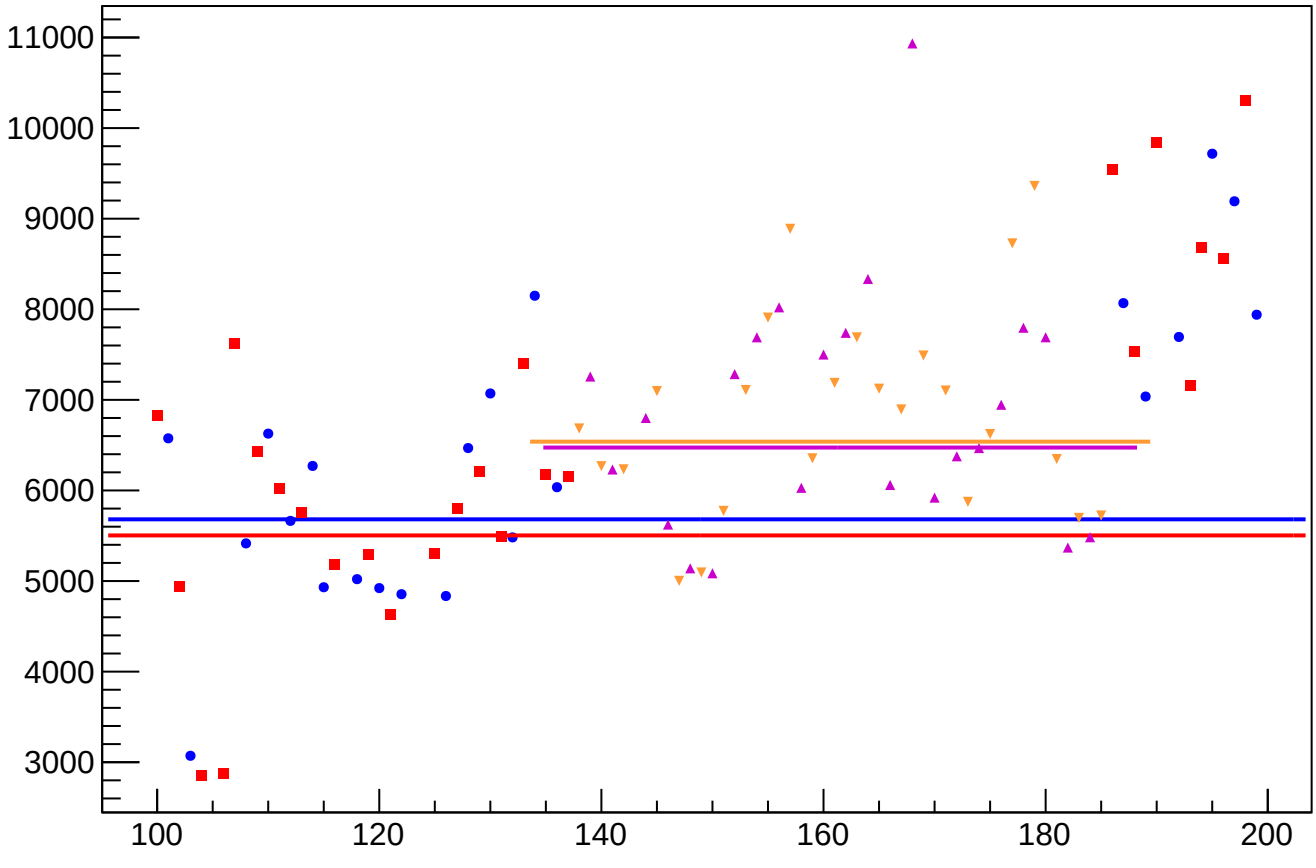
Left: 4110.988+/-1090.710 χ^2/NDF: 42.1/46

Right: 5232.771+/-1226.316 χ^2/NDF: 47.0/46

In: 4685.536+/-1158.239 χ^2/NDF:35.7/44

Out: 4528.893+/-1146.989 χ^2/NDF:53.8/48

All: 4606.450+/-814.992 χ^2/NDF: 89.5/93



Right In: 5681.191+/-1.244 χ^2/NDF: 1995028.5/21

Left Out: 6538.706+/-1.093 χ^2/NDF:920612.0/23

Right Out: 5503.450+/-1.190 χ^2/NDF: 2751510.8/24

Left In: 6473.481+/-1.088 χ^2/NDF:1071757.3/22

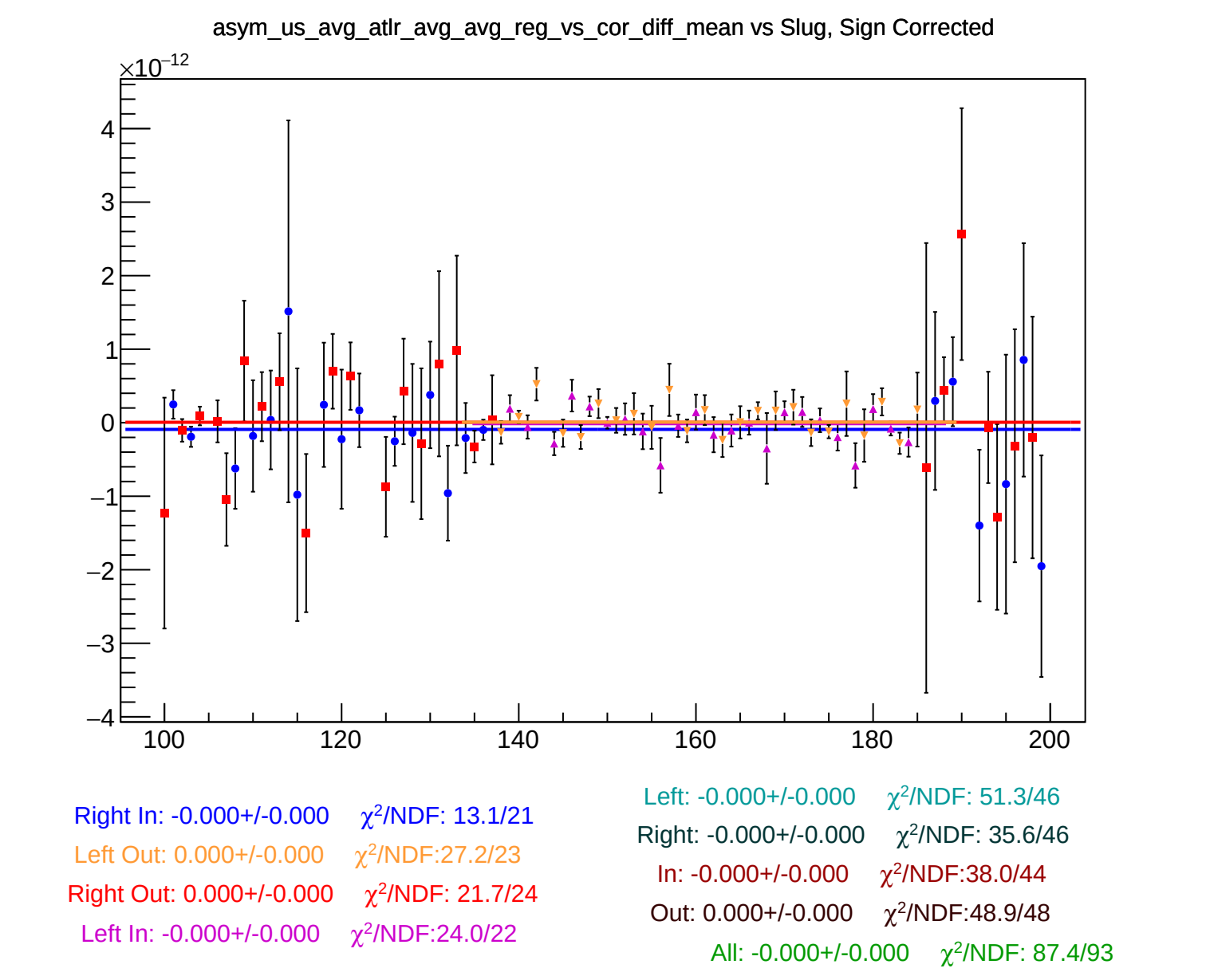
Left: 6505.953+/-0.771 χ^2/NDF: 1994157.3/46

Right: 5588.434+/-0.860 χ^2/NDF: 4757200.4/46

In: 6129.832+/-0.819 χ^2/NDF:3296639.7/44

Out: 6065.082+/-0.805 χ^2/NDF:4082499.9/48

All: 6096.903+/-0.574 χ^2/NDF: 7382318.3/93


asym_us_avg_atlr_avg_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
4
3
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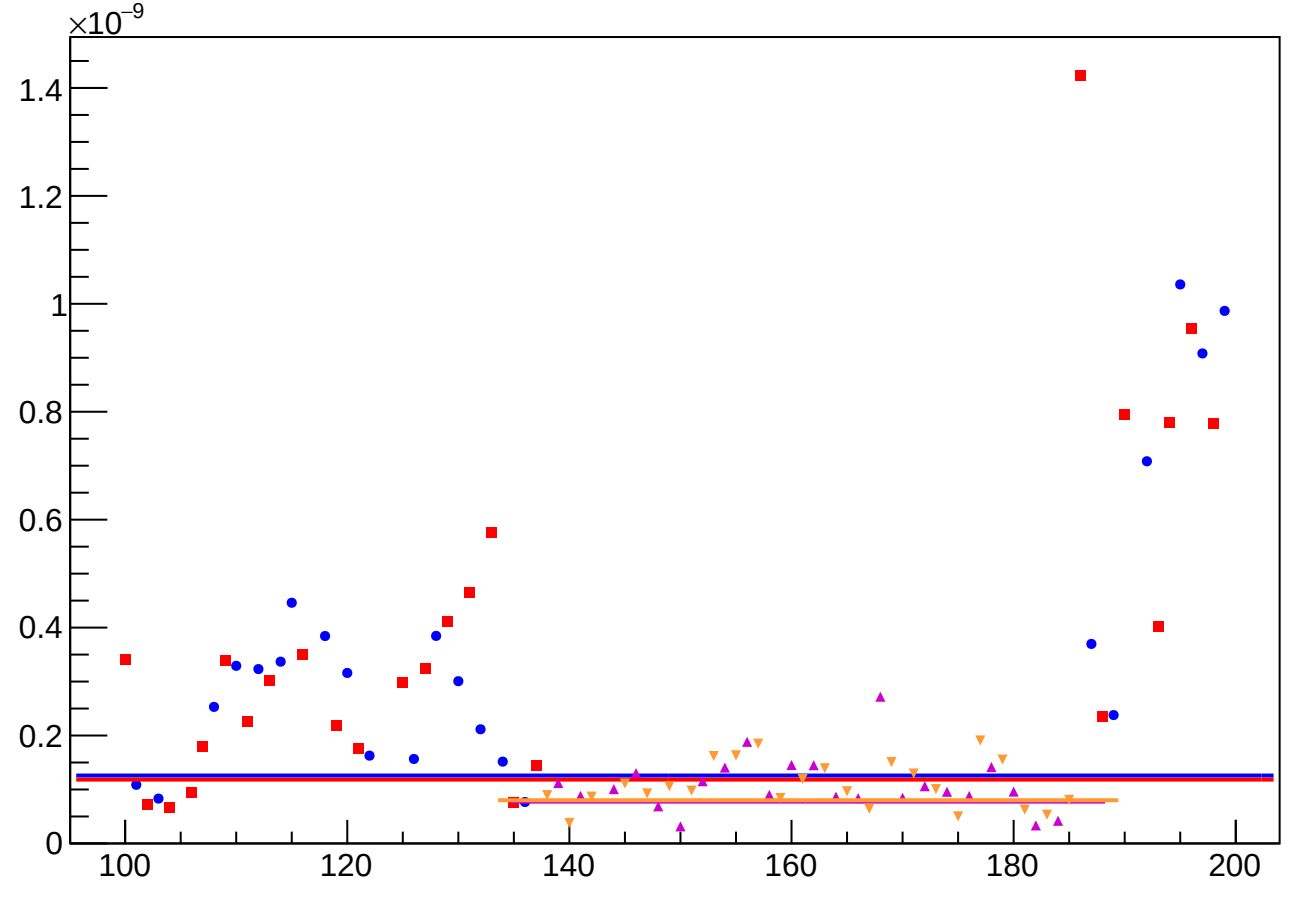
1
0
−1
−2
−3
−4
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 13.1/21
Left Out: 0.000+/-0.000 χ²/NDF:27.2/23
Right Out: 0.000+/-0.000 χ²/NDF: 21.7/24
Left In: -0.000+/-0.000 χ²/NDF:24.0/22
Left: -0.000+/-0.000 χ²/NDF: 51.3/46
Right: -0.000+/-0.000 χ²/NDF: 35.6/46
In: -0.000+/-0.000 χ²/NDF:38.0/44
Out: 0.000+/-0.000 χ²/NDF:48.9/48
All: -0.000+/-0.000 χ²/NDF: 87.4/93



Right In: 0.000+/-0.000 χ^2/NDF: 4033527.5/21

Left Out: 0.000+/-0.000 χ^2/NDF:2153227.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 4675521.7/24

Left In: 0.000+/-0.000 χ^2/NDF:2642331.8/22

Left: 0.000+/-0.000 χ^2/NDF: 4801129.7/46

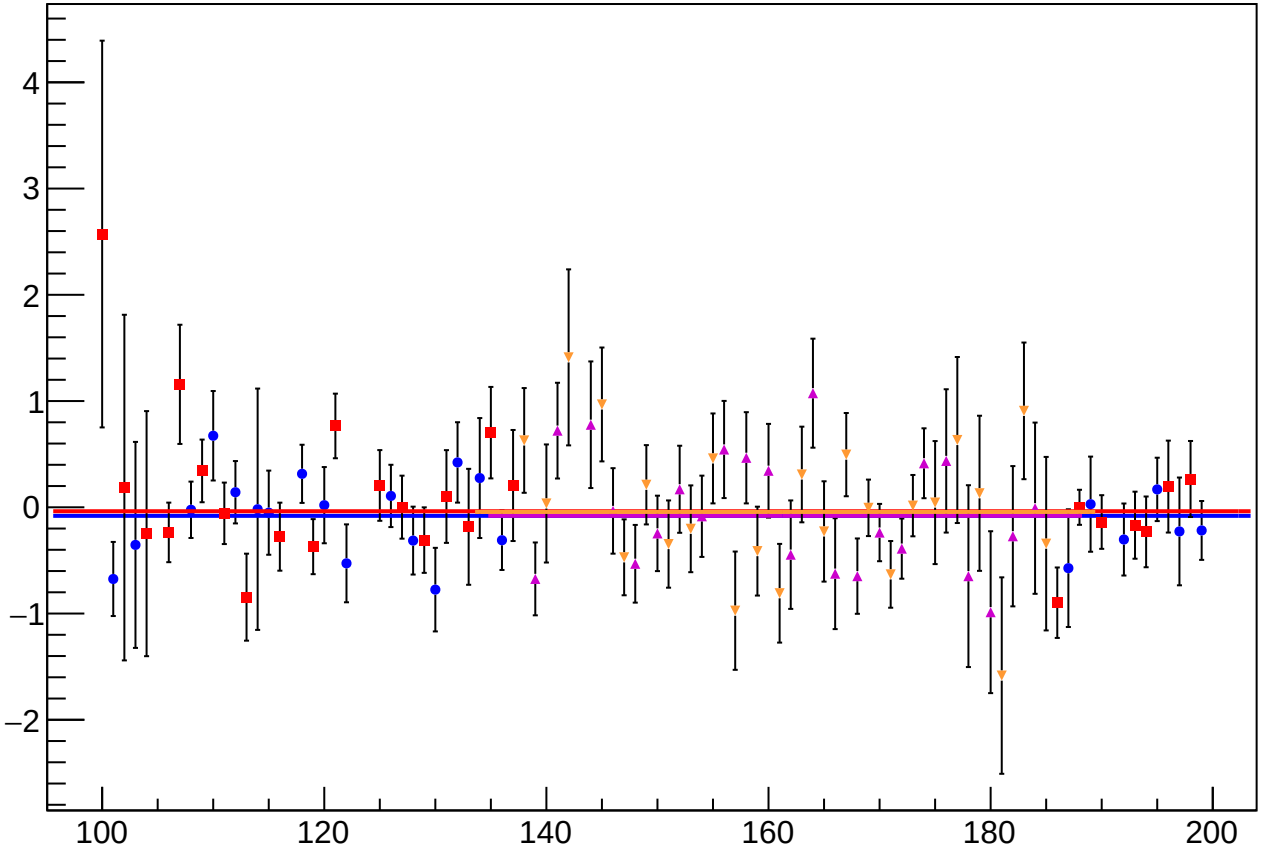
Right: 0.000+/-0.000 χ^2/NDF: 8718974.1/46

In: 0.000+/-0.000 χ^2/NDF:7339237.1/44

Out: 0.000+/-0.000 χ^2/NDF:7251857.9/48

All: 0.000+/-0.000 χ^2/NDF: 14592652.1/93

asym_us_avg_atlr_avg_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.080+/-0.076 χ^2/NDF: 19.7/21

Left Out: -0.043+/-0.090 χ^2/NDF:31.0/23

Right Out: -0.037+/-0.067 χ^2/NDF: 35.0/24

Left In: -0.080+/-0.088 χ^2/NDF:30.3/22

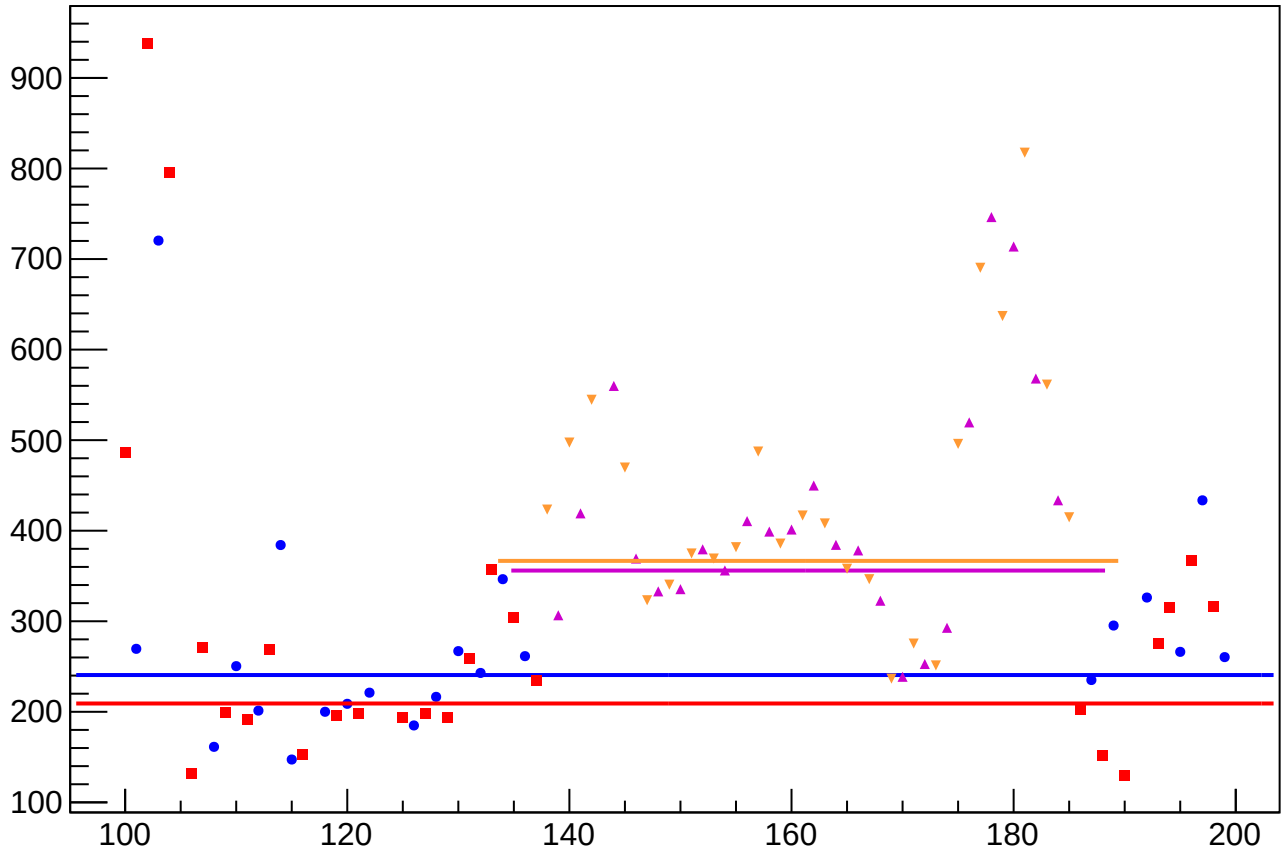
Left: -0.062+/-0.063 χ^2/NDF: 61.4/46

Right: -0.056+/-0.050 χ^2/NDF: 54.9/46

In: -0.080+/-0.058 χ^2/NDF:50.0/44

Out: -0.039+/-0.054 χ^2/NDF:66.0/48

All: -0.058+/-0.039 χ^2/NDF: 116.3/93



Right In: 240.612+/-0.054 χ^2/NDF: 1573455.6/21

Left Out: 366.670+/-0.064 χ^2/NDF:2841071.8/23

Right Out: 209.181+/-0.047 χ^2/NDF: 2723759.5/24

Left In: 355.992+/-0.062 χ^2/NDF:2420701.1/22

Left: 361.170+/-0.045 χ^2/NDF: 5276130.6/46

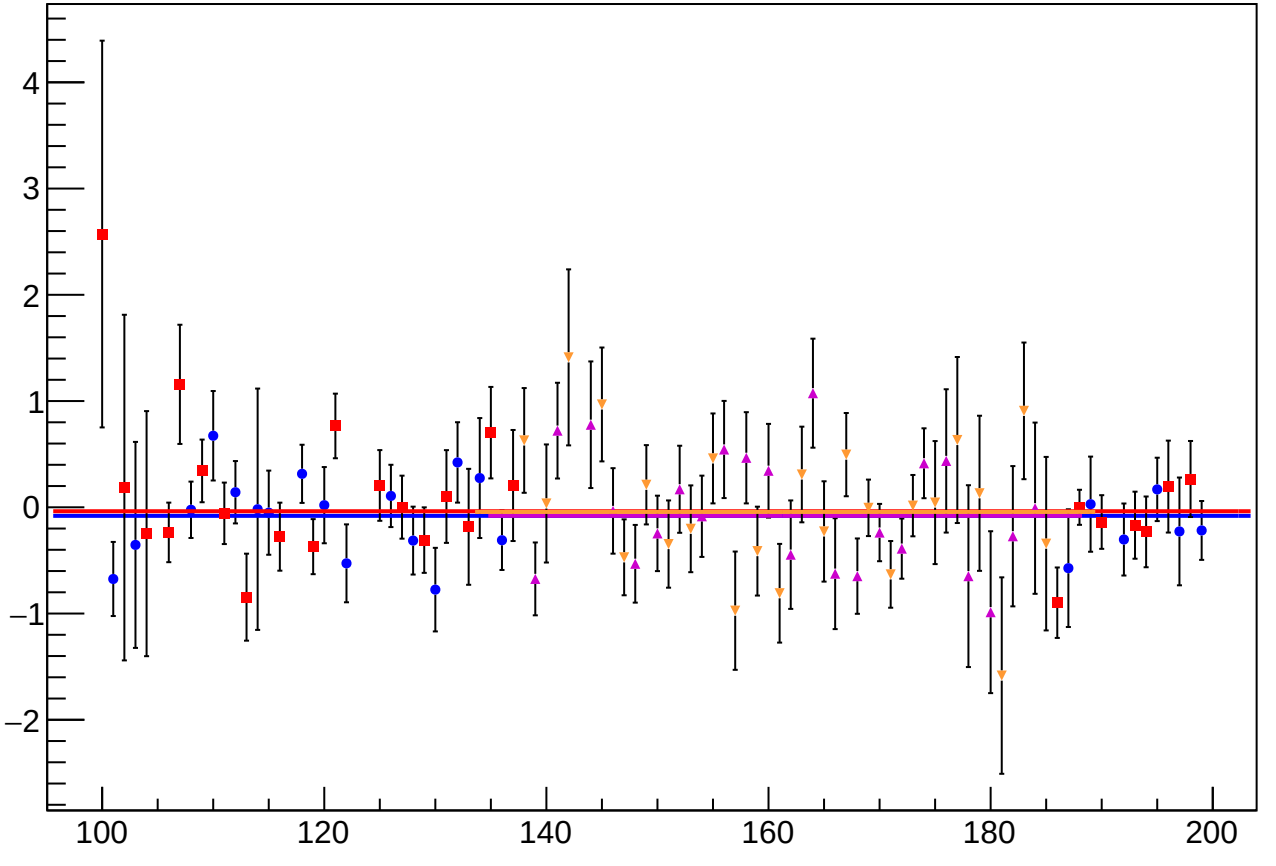
Right: 222.829+/-0.035 χ^2/NDF: 4489873.4/46

In: 290.184+/-0.041 χ^2/NDF:5965518.6/44

Out: 264.686+/-0.038 χ^2/NDF:9490725.1/48

All: 276.559+/-0.028 χ^2/NDF: 15666196.0/93

asym_us_avg_atlr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.080+/-0.076 χ^2/NDF: 19.7/21

Left Out: -0.043+/-0.090 χ^2/NDF:31.0/23

Right Out: -0.037+/-0.067 χ^2/NDF: 35.0/24

Left In: -0.080+/-0.088 χ^2/NDF:30.3/22

Left: -0.062+/-0.063 χ^2/NDF: 61.4/46

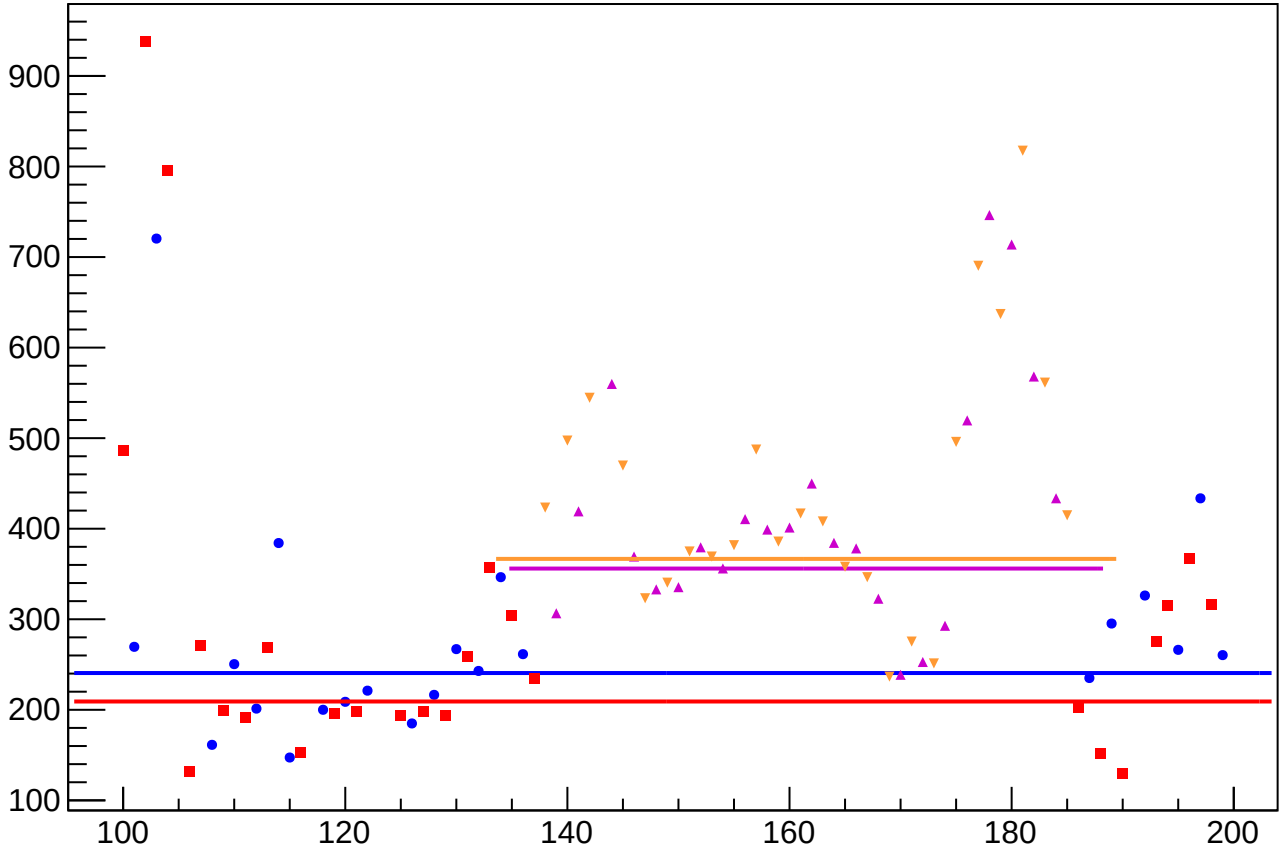
Right: -0.056+/-0.050 χ^2/NDF: 54.9/46

In: -0.080+/-0.058 χ^2/NDF:50.0/44

Out: -0.039+/-0.054 χ^2/NDF:66.0/48

All: -0.058+/-0.039 χ^2/NDF: 116.3/93

asym_us_avg_atlr_avg_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 240.612+/-0.054 χ^2/NDF: 1573455.6/21

Left Out: 366.670+/-0.064 χ^2/NDF:2841071.8/23

Right Out: 209.181+/-0.047 χ^2/NDF: 2723759.5/24

Left In: 355.992+/-0.062 χ^2/NDF:2420701.1/22

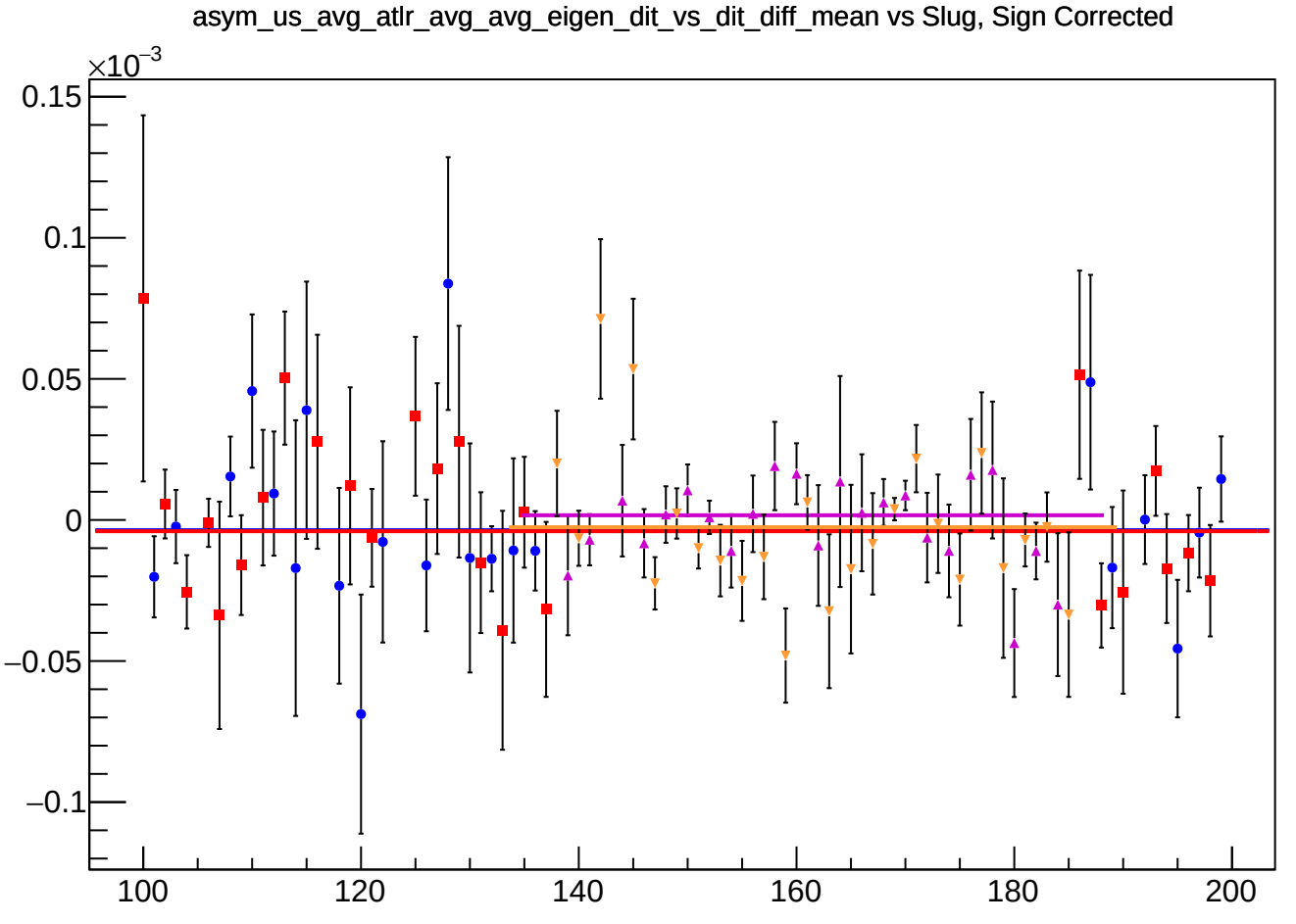
Left: 361.170+/-0.045 χ^2/NDF: 5276130.6/46

Right: 222.829+/-0.035 χ^2/NDF: 4489873.4/46

In: 290.184+/-0.041 χ^2/NDF:5965518.6/44

Out: 264.686+/-0.038 χ^2/NDF:9490725.1/48

All: 276.559+/-0.028 χ^2/NDF: 15666196.0/93



Right In: -0.000+/-0.000 χ^2/NDF: 22.4/21

Left Out: -0.000+/-0.000 χ^2/NDF:43.5/23

Right Out: -0.000+/-0.000 χ^2/NDF: 26.7/24

Left In: 0.000+/-0.000 χ^2/NDF:20.7/22

Left: -0.000+/-0.000 χ^2/NDF: 65.9/46

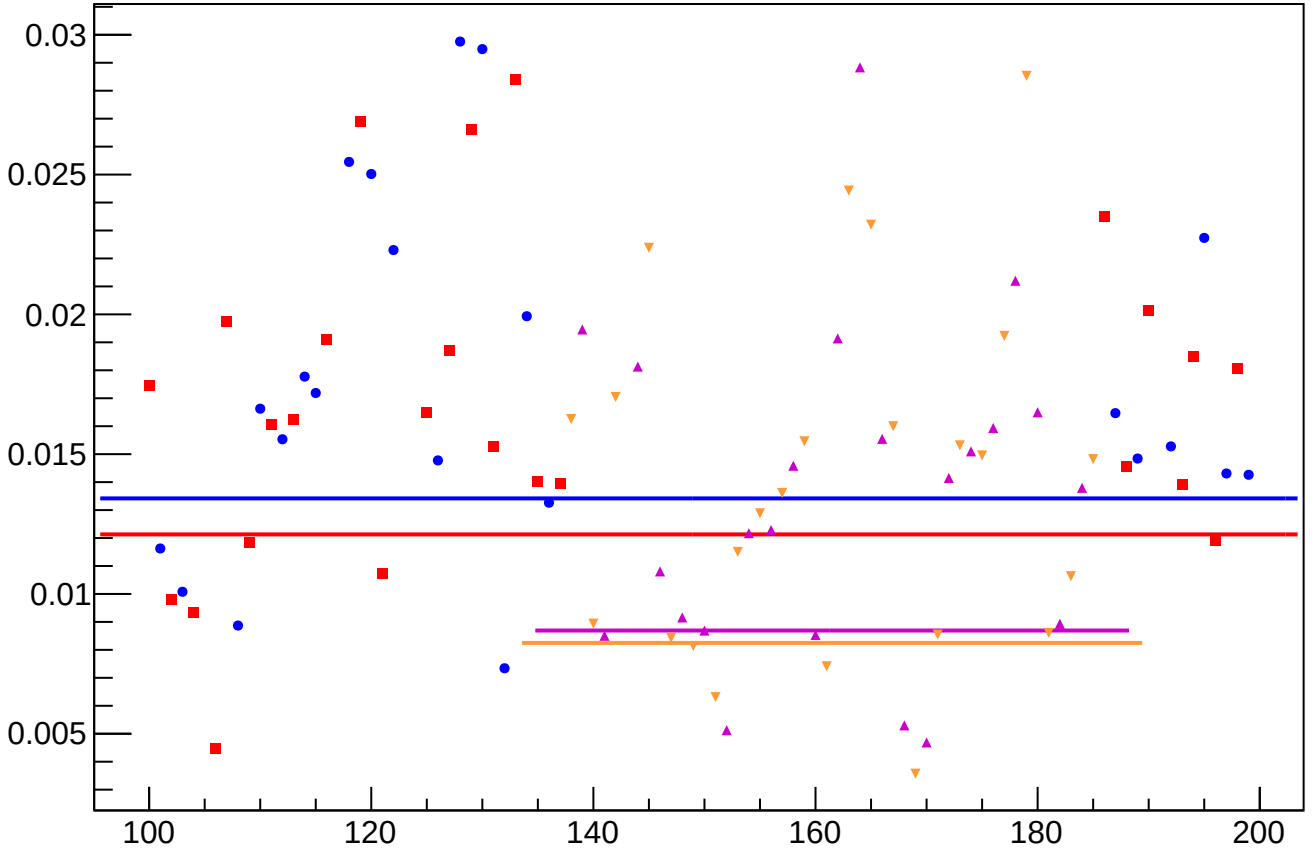
Right: -0.000+/-0.000 χ^2/NDF: 49.1/46

In: 0.000+/-0.000 χ^2/NDF:44.3/44

Out: -0.000+/-0.000 χ^2/NDF:70.3/48

All: -0.000+/-0.000 χ^2/NDF: 116.0/93

asym_us_avg_atlr_avg_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.013+/-0.000 χ^2/NDF: 2535259.9/21

Left Out: 0.008+/-0.000 χ^2/NDF:8879581.2/23

Right Out: 0.012+/-0.000 χ^2/NDF: 3923096.2/24

Left In: 0.009+/-0.000 χ^2/NDF:6875072.4/22

Left: 0.008+/-0.000 χ^2/NDF: 15791427.0/46

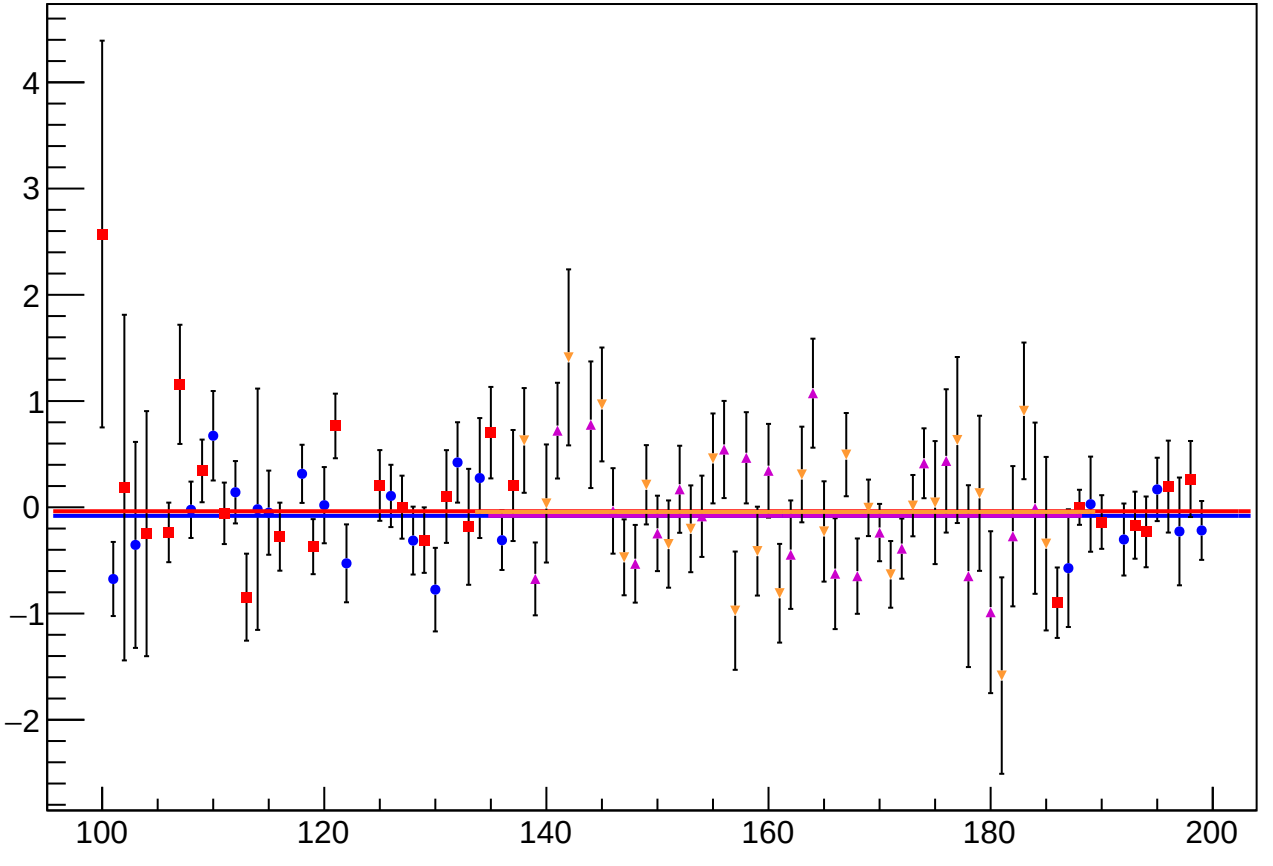
Right: 0.013+/-0.000 χ^2/NDF: 6559909.1/46

In: 0.010+/-0.000 χ^2/NDF:11308744.1/44

Out: 0.009+/-0.000 χ^2/NDF:14324217.5/48

All: 0.010+/-0.000 χ^2/NDF: 25707499.8/93

asym_us_avg_atlr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.080+/-0.076 χ^2/NDF: 19.7/21

Left Out: -0.043+/-0.090 χ^2/NDF:31.0/23

Right Out: -0.037+/-0.067 χ^2/NDF: 35.0/24

Left In: -0.080+/-0.088 χ^2/NDF:30.3/22

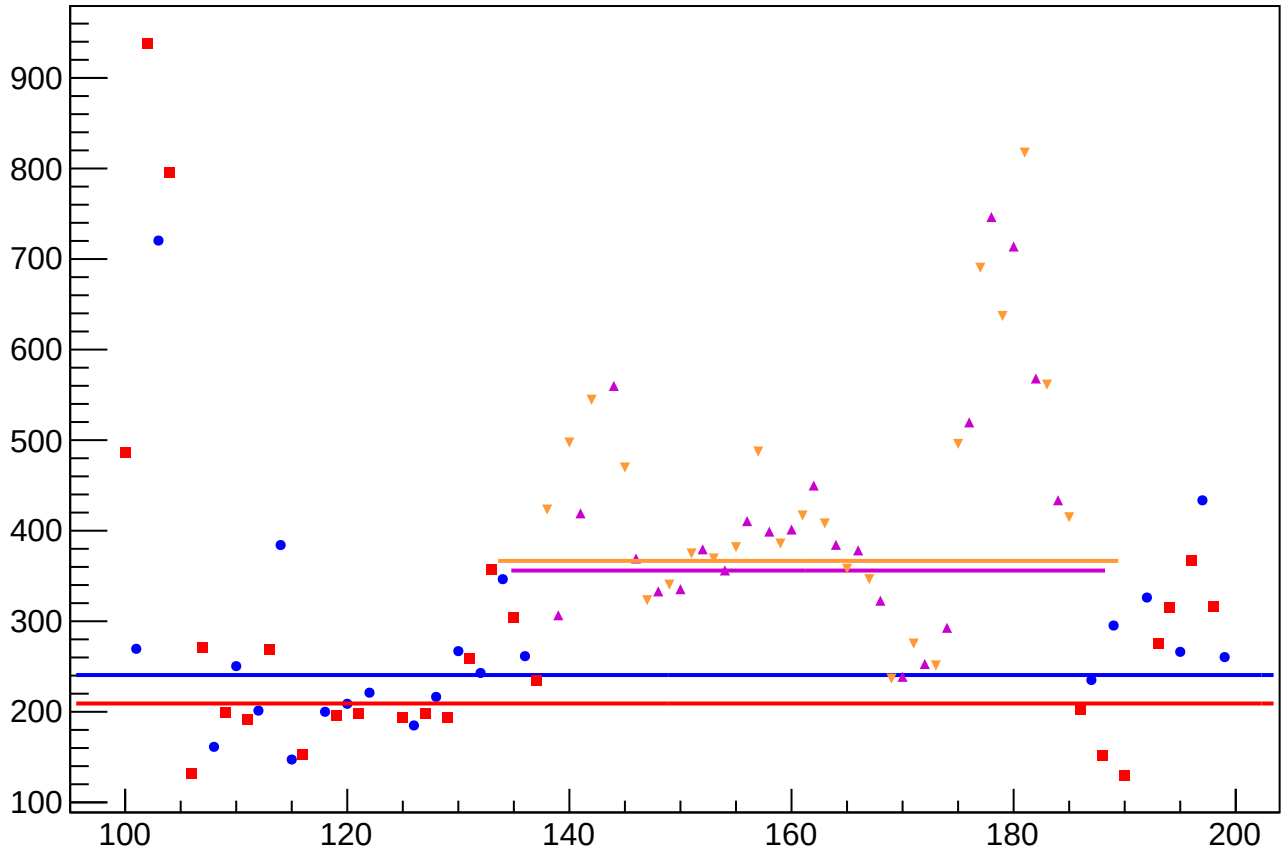
Left: -0.062+/-0.063 χ^2/NDF: 61.4/46

Right: -0.056+/-0.050 χ^2/NDF: 54.9/46

In: -0.080+/-0.058 χ^2/NDF:50.0/44

Out: -0.039+/-0.054 χ^2/NDF:66.0/48

All: -0.058+/-0.039 χ^2/NDF: 116.3/93



Right In: 240.611+/-0.054 χ^2/NDF: 1573449.6/21

Left Out: 366.671+/-0.064 χ^2/NDF:2841292.6/23

Right Out: 209.177+/-0.047 χ^2/NDF: 2723792.5/24

Left In: 355.993+/-0.062 χ^2/NDF:2420863.3/22

Left: 361.171+/-0.045 χ^2/NDF: 5276510.3/46

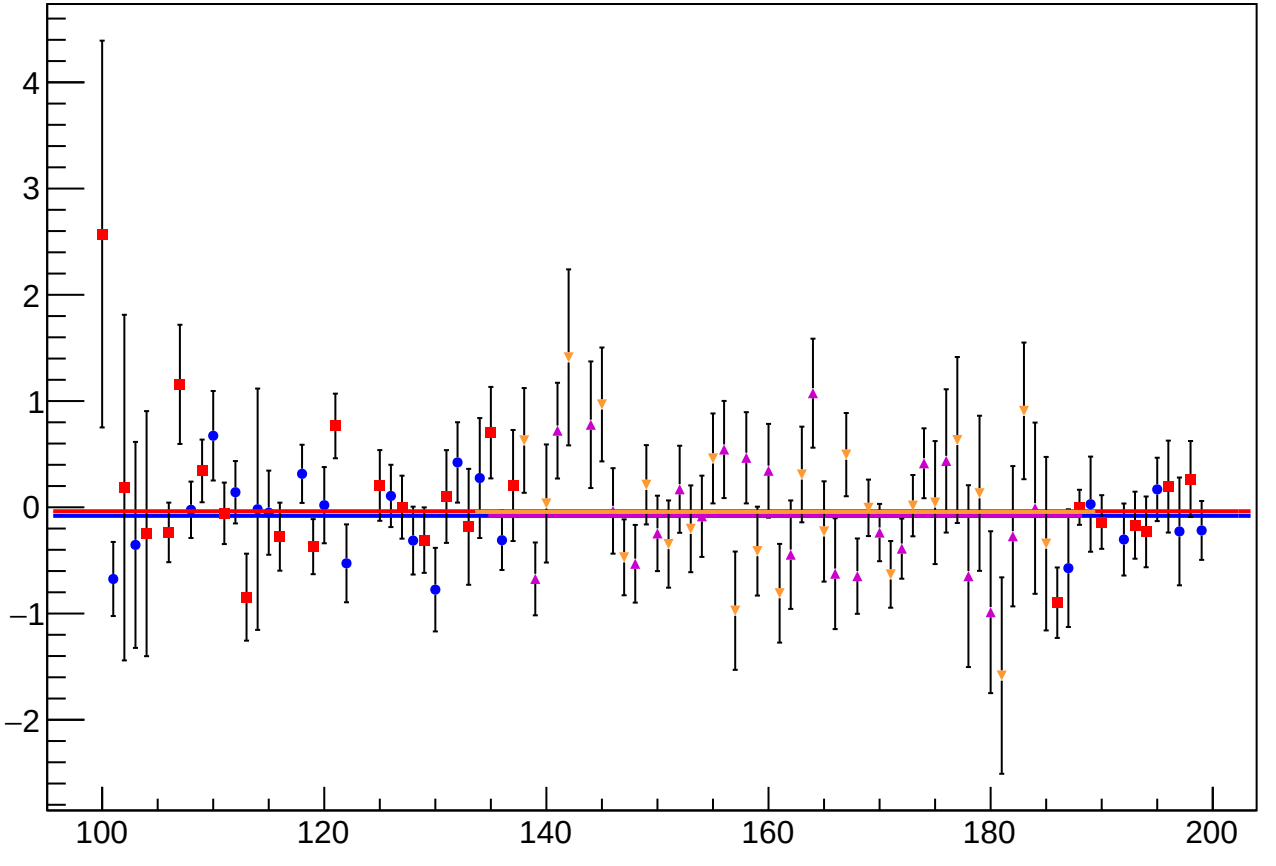
Right: 222.826+/-0.035 χ^2/NDF: 4489926.6/46

In: 290.183+/-0.041 χ^2/NDF:5965768.7/44

Out: 264.683+/-0.038 χ^2/NDF:9491172.7/48

All: 276.556+/-0.028 χ^2/NDF: 15666933.9/93

asym_us_avg_atlr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.080+/-0.076 χ^2/NDF: 19.7/21

Left Out: -0.043+/-0.090 χ^2/NDF:31.0/23

Right Out: -0.037+/-0.067 χ^2/NDF: 35.0/24

Left In: -0.080+/-0.088 χ^2/NDF:30.3/22

Left: -0.062+/-0.063 χ^2/NDF: 61.4/46

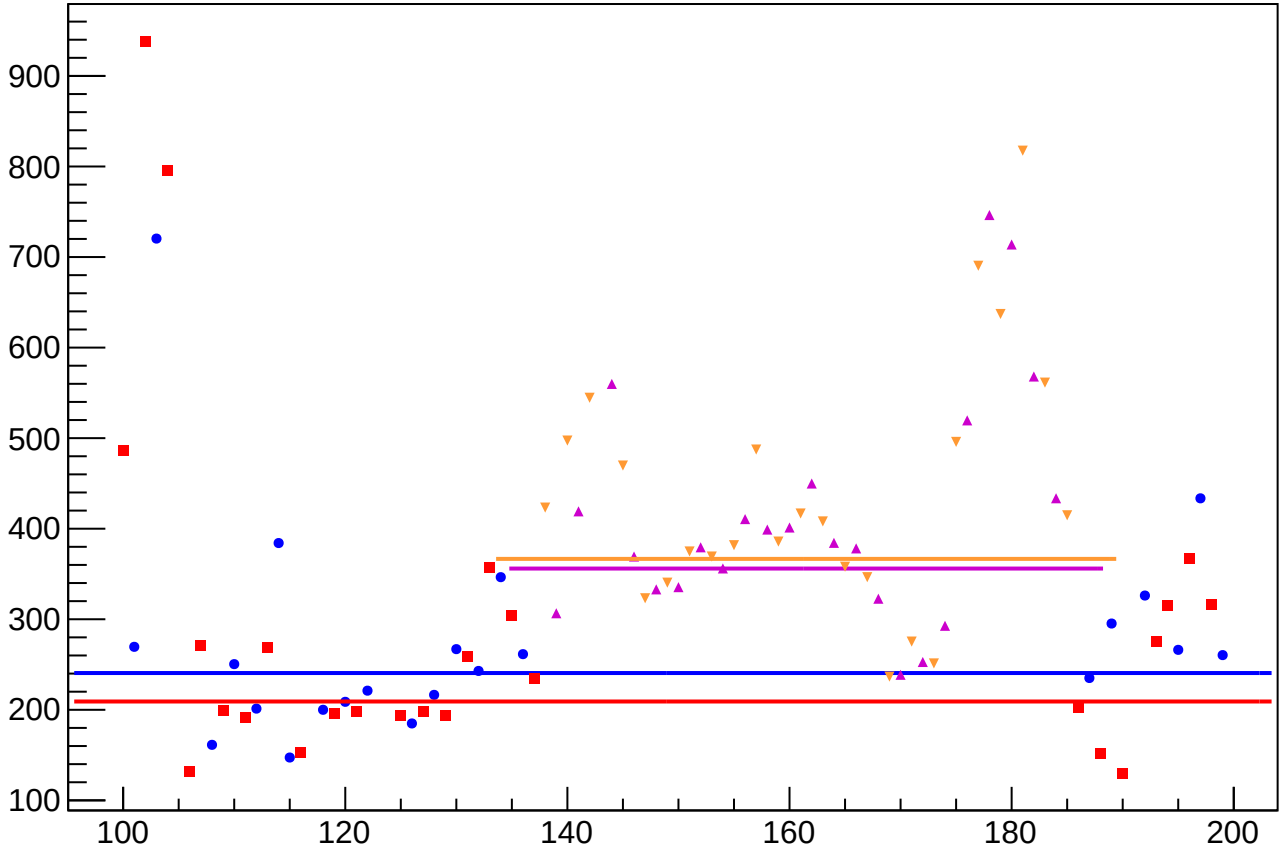
Right: -0.056+/-0.050 χ^2/NDF: 54.9/46

In: -0.080+/-0.058 χ^2/NDF:50.0/44

Out: -0.039+/-0.054 χ^2/NDF:66.0/48

All: -0.058+/-0.039 χ^2/NDF: 116.3/93

asym_us_avg_atlr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 240.611+/-0.054 χ^2/NDF: 1573449.6/21

Left Out: 366.671+/-0.064 χ^2/NDF:2841292.6/23

Right Out: 209.177+/-0.047 χ^2/NDF: 2723792.5/24

Left In: 355.993+/-0.062 χ^2/NDF:2420863.3/22

Left: 361.171+/-0.045 χ^2/NDF: 5276510.3/46

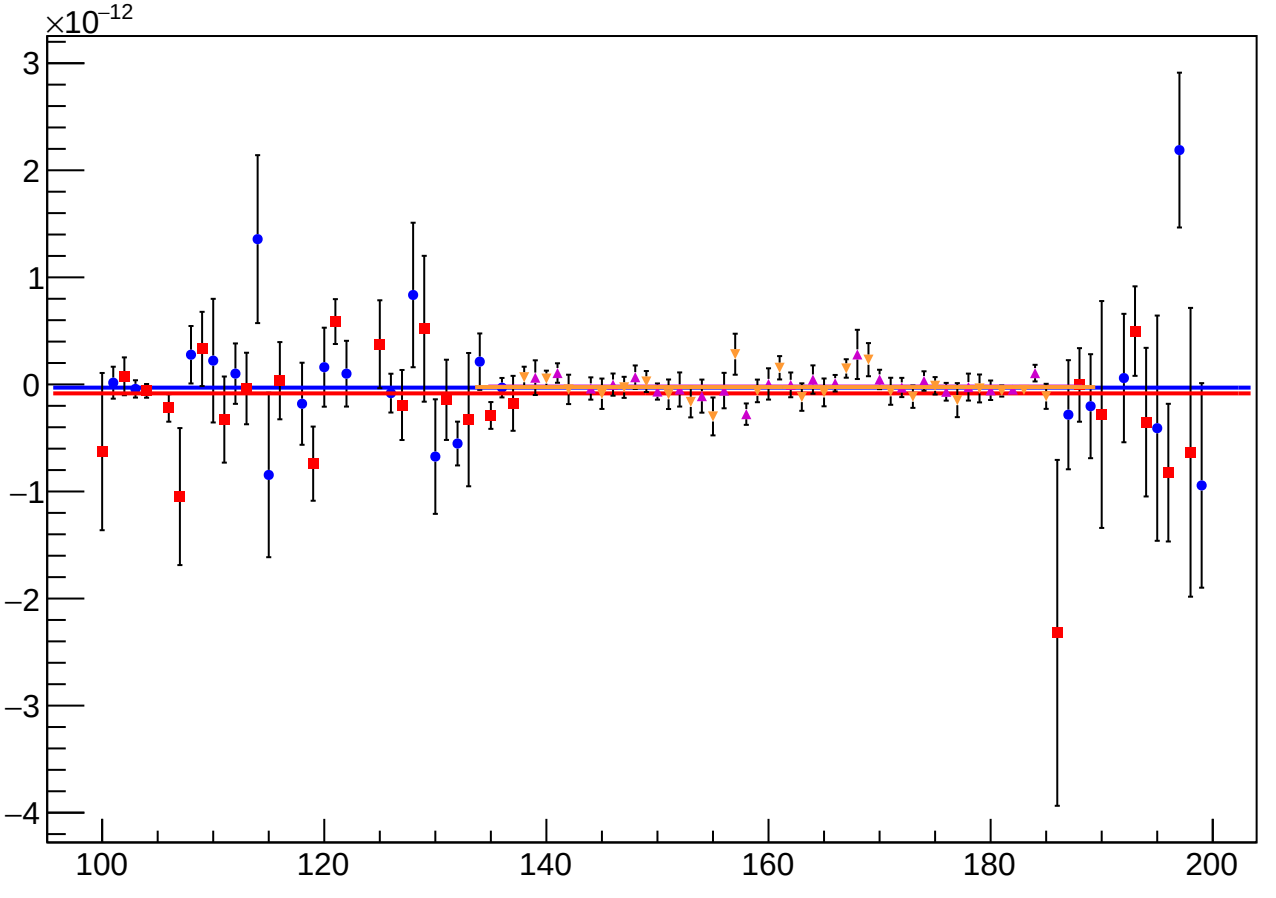
Right: 222.826+/-0.035 χ^2/NDF: 4489926.6/46

In: 290.183+/-0.041 χ^2/NDF:5965768.7/44

Out: 264.683+/-0.038 χ^2/NDF:9491172.7/48

All: 276.556+/-0.028 χ^2/NDF: 15666933.9/93

asym_us_avg_atlr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 28.1/21

Left Out: -0.000+/-0.000 χ^2/NDF:21.9/23

Right Out: -0.000+/-0.000 χ^2/NDF: 31.4/24

Left In: -0.000+/-0.000 χ^2/NDF:17.2/22

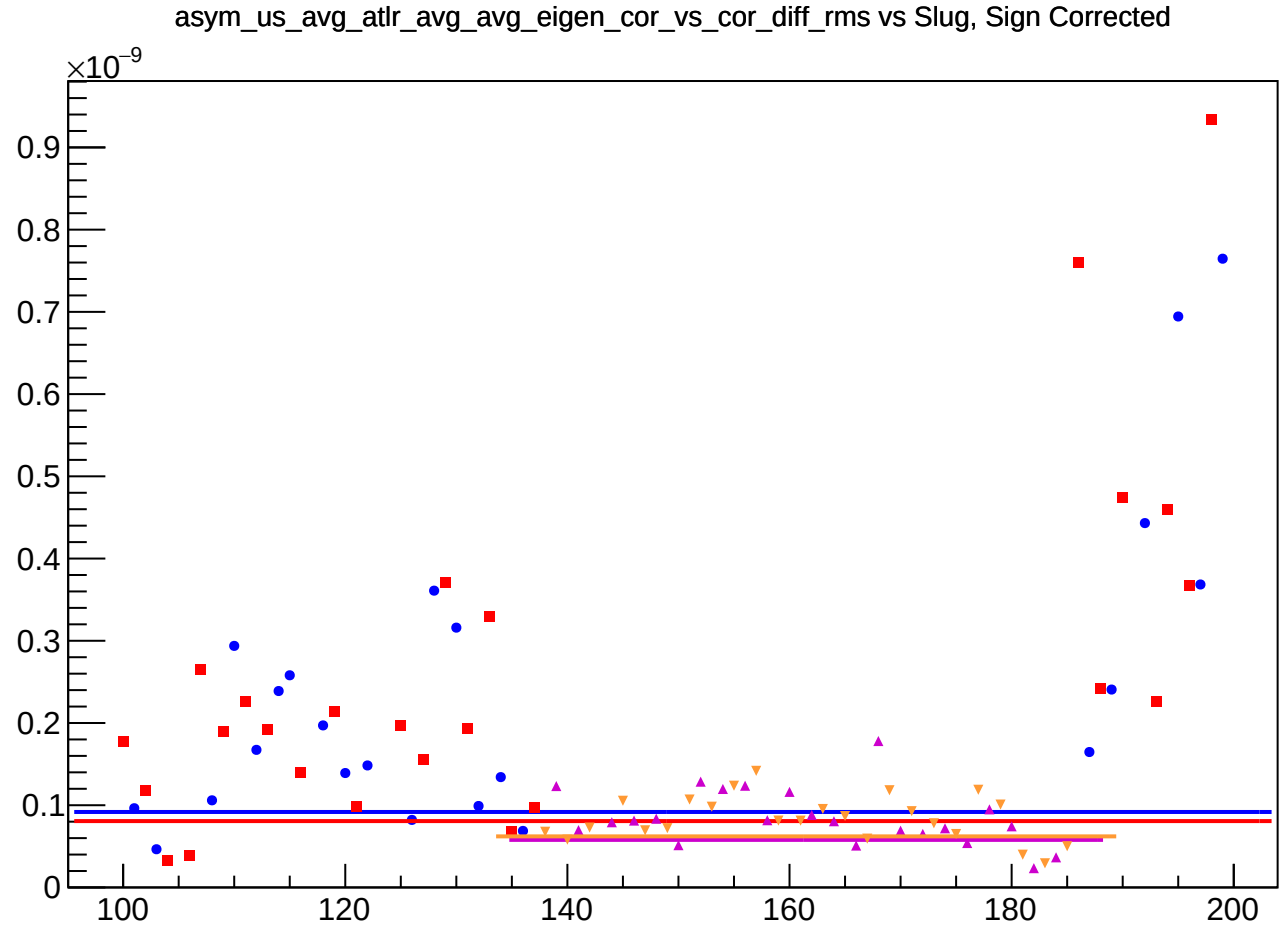
Left: -0.000+/-0.000 χ^2/NDF: 39.1/46

Right: -0.000+/-0.000 χ^2/NDF: 60.2/46

In: -0.000+/-0.000 χ^2/NDF:45.3/44

Out: -0.000+/-0.000 χ^2/NDF:54.8/48

All: -0.000+/-0.000 χ^2/NDF: 100.5/93



Right In: 0.000+/-0.000 χ^2/NDF: 5152682.0/21

Left Out: 0.000+/-0.000 χ^2/NDF:4100152.8/23

Right Out: 0.000+/-0.000 χ^2/NDF: 6936165.5/24

Left In: 0.000+/-0.000 χ^2/NDF:5512617.8/22

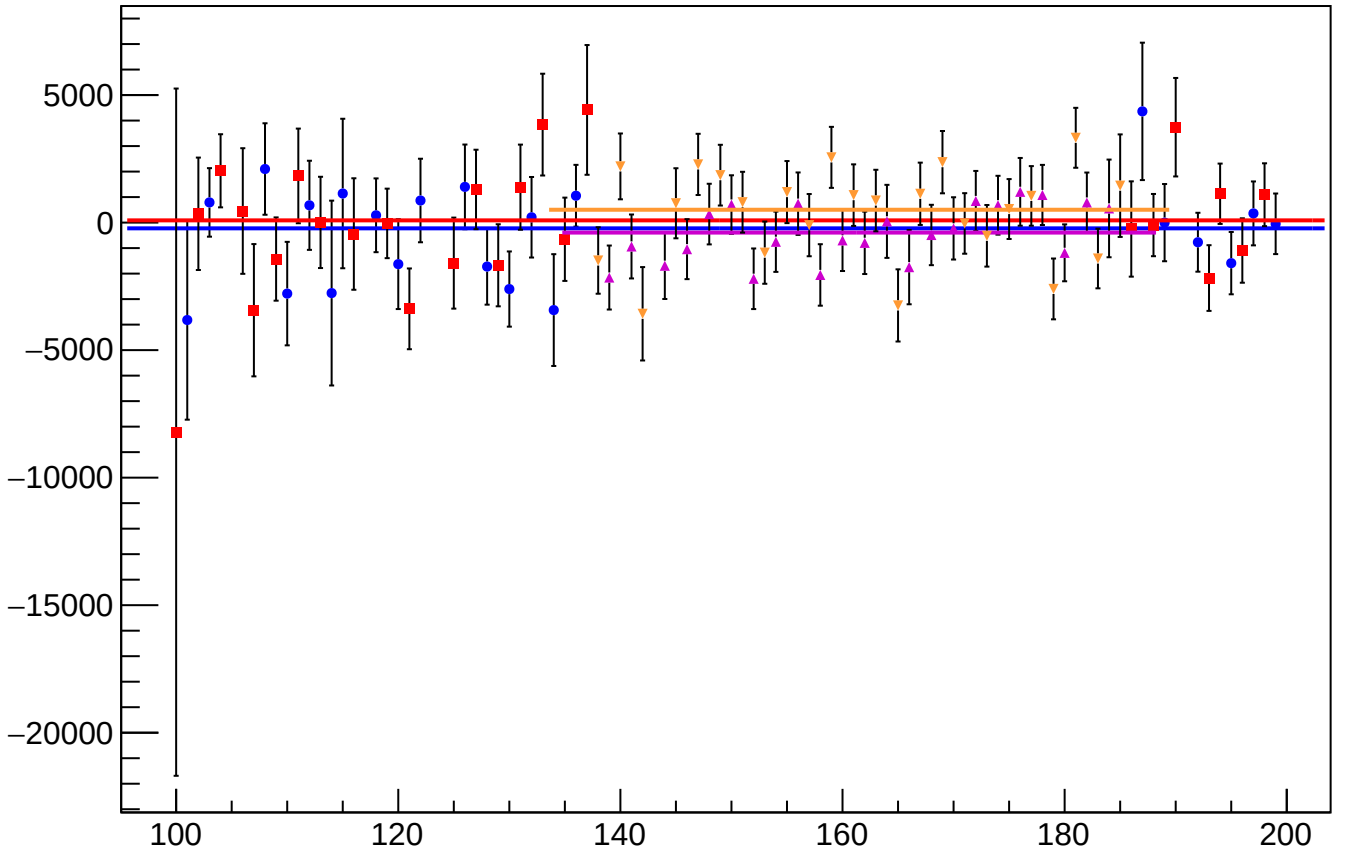
Left: 0.000+/-0.000 χ^2/NDF: 9664055.9/46

Right: 0.000+/-0.000 χ^2/NDF: 12149820.2/46

In: 0.000+/-0.000 χ^2/NDF:11591580.6/44

Out: 0.000+/-0.000 χ^2/NDF:11342516.6/48

All: 0.000+/-0.000 χ^2/NDF: 22958064.1/93



Right In: -225.563+/-337.669 χ^2/NDF: 19.4/21

Left Out: 503.606+/-255.531 χ^2/NDF:44.6/23

Right Out: 87.227+/-329.346 χ^2/NDF: 29.7/24

Left In: -391.701+/-257.386 χ^2/NDF:17.8/22

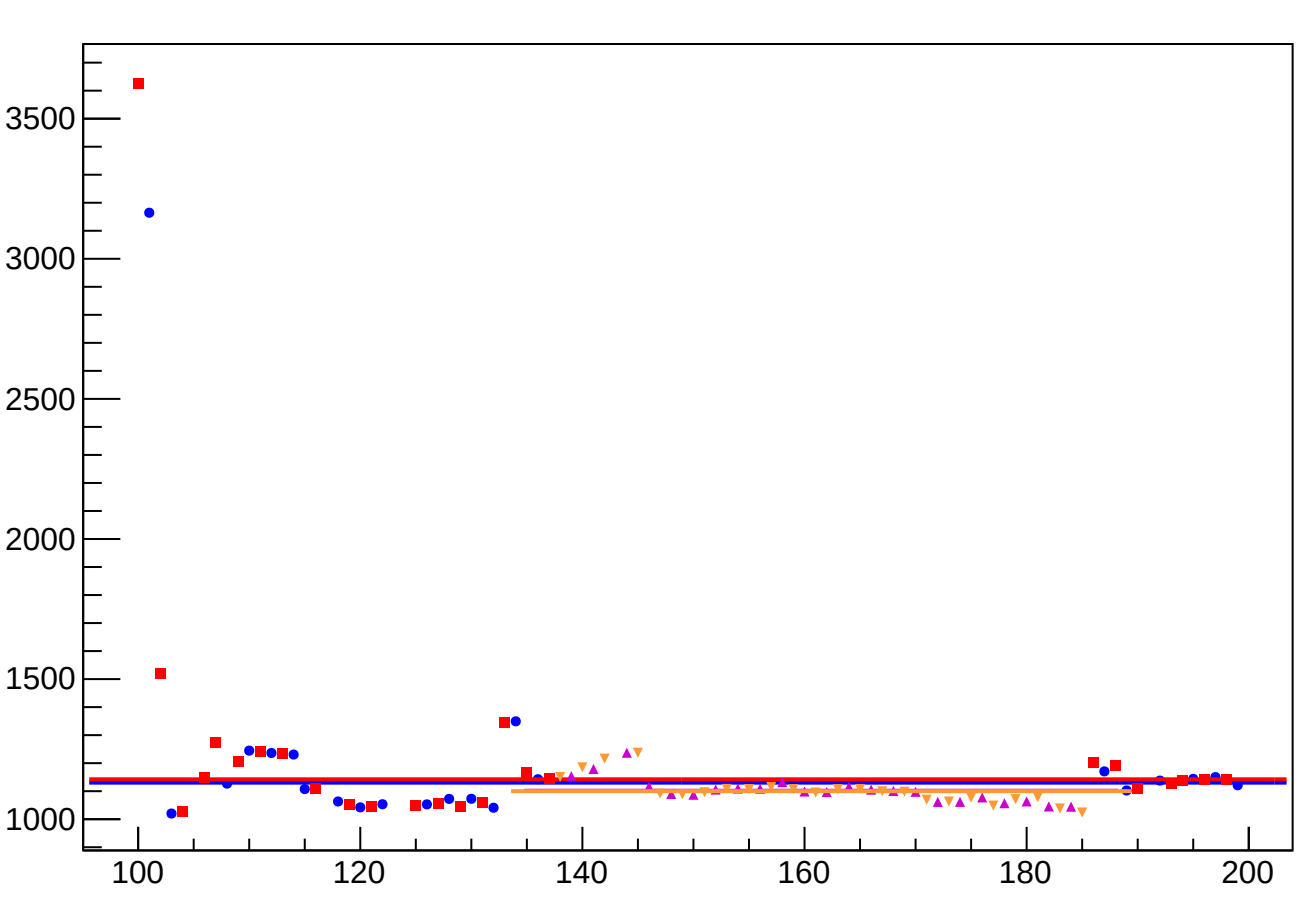
Left: 59.191+/-181.340 χ^2/NDF: 68.5/46

Right: -65.266+/-235.771 χ^2/NDF: 49.5/46

In: -330.646+/-204.700 χ^2/NDF:37.4/44

Out: 347.143+/-201.890 χ^2/NDF:75.2/48

All: 12.932+/-143.741 χ^2/NDF: 118.2/93



Right In: 1130.552+/-0.239 χ^2/NDF: 623535.8/21

Left Out: 1100.063+/-0.181 χ^2/NDF:58733.9/23

Right Out: 1142.352+/-0.233 χ^2/NDF: 226668.1/24

Left In: 1101.530+/-0.182 χ^2/NDF:52145.9/22

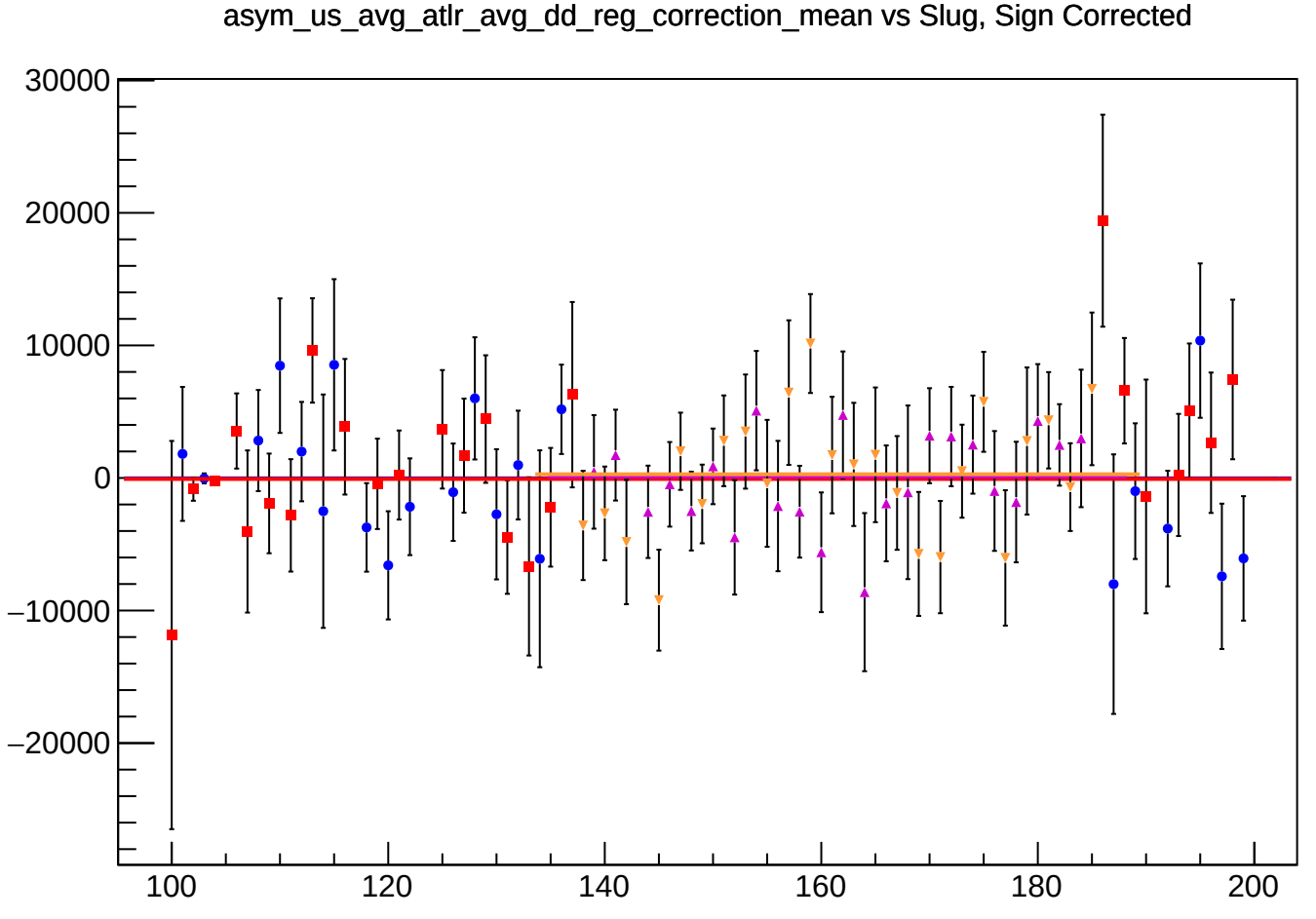
Left: 1100.791+/-0.128 χ^2/NDF: 110912.5/46

Right: 1136.605+/-0.167 χ^2/NDF: 851456.8/46

In: 1112.195+/-0.145 χ^2/NDF:685026.7/44

Out: 1115.975+/-0.143 χ^2/NDF:306012.5/48

All: 1114.112+/-0.102 χ^2/NDF: 991385.0/93



Right In: -29.834+/-352.956 χ^2/NDF: 23.0/21

Left Out: 277.507+/-820.501 χ^2/NDF:29.9/23

Right Out: -73.890+/-318.575 χ^2/NDF: 27.4/24

Left In: 94.734+/-817.223 χ^2/NDF:13.7/22

Left: 185.755+/-579.019 χ^2/NDF: 43.6/46

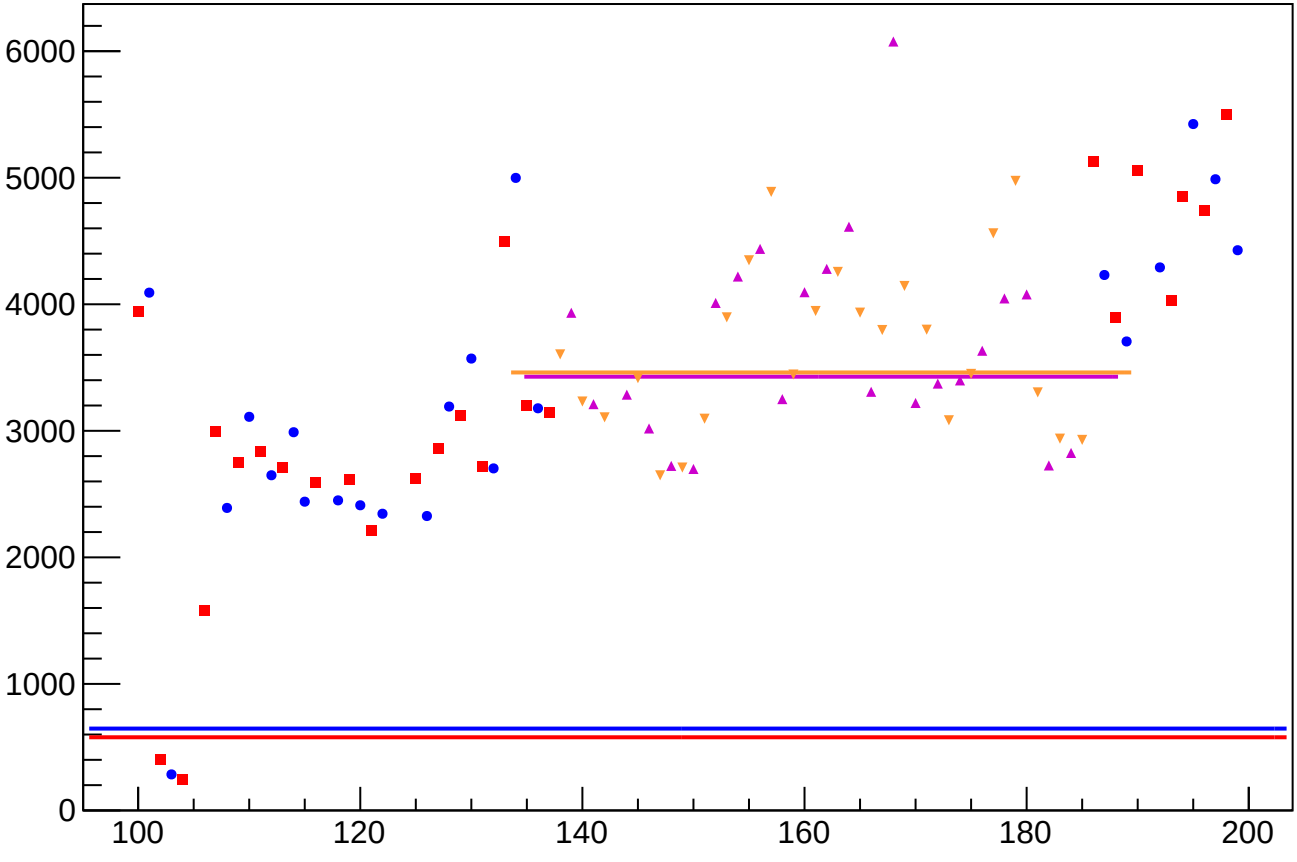
Right: -54.112+/-236.490 χ^2/NDF: 50.4/46

In: -10.251+/-324.027 χ^2/NDF:36.7/44

Out: -27.855+/-296.976 χ^2/NDF:57.4/48

All: -19.818+/-218.933 χ^2/NDF: 94.1/93

asym_us_avg_atlr_avg_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 647.025+/-0.250 χ^2/NDF: 16125119.9/21

Left Out: 3461.259+/-0.580 χ^2/NDF:1058687.1/23

Right Out: 578.261+/-0.225 χ^2/NDF: 17047265.1/24

Left In: 3427.860+/-0.578 χ^2/NDF:1243133.8/22

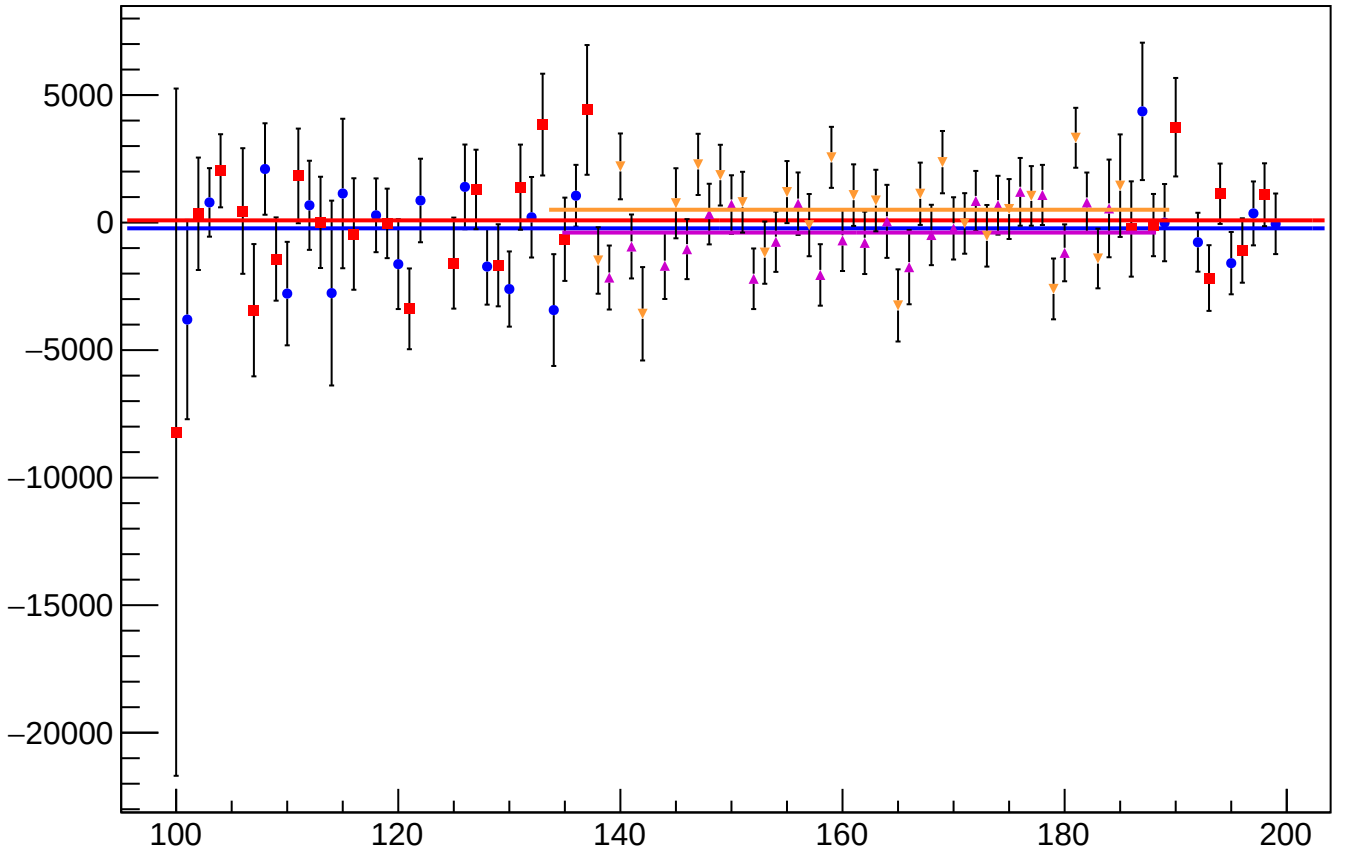
Left: 3444.493+/-0.409 χ^2/NDF: 2303484.4/46

Right: 609.132+/-0.167 χ^2/NDF: 33214216.9/46

In: 1084.200+/-0.229 χ^2/NDF:36885513.1/44

Out: 955.944+/-0.210 χ^2/NDF:39563403.8/48

All: 1014.496+/-0.155 χ^2/NDF: 76619212.1/9



Right In: -225.475+/-337.669 χ^2/NDF: 19.4/21

Left Out: 503.679+/-255.531 χ^2/NDF:44.6/23

Right Out: 87.307+/-329.346 χ^2/NDF: 29.7/24

Left In: -391.689+/-257.386 χ^2/NDF:17.8/22

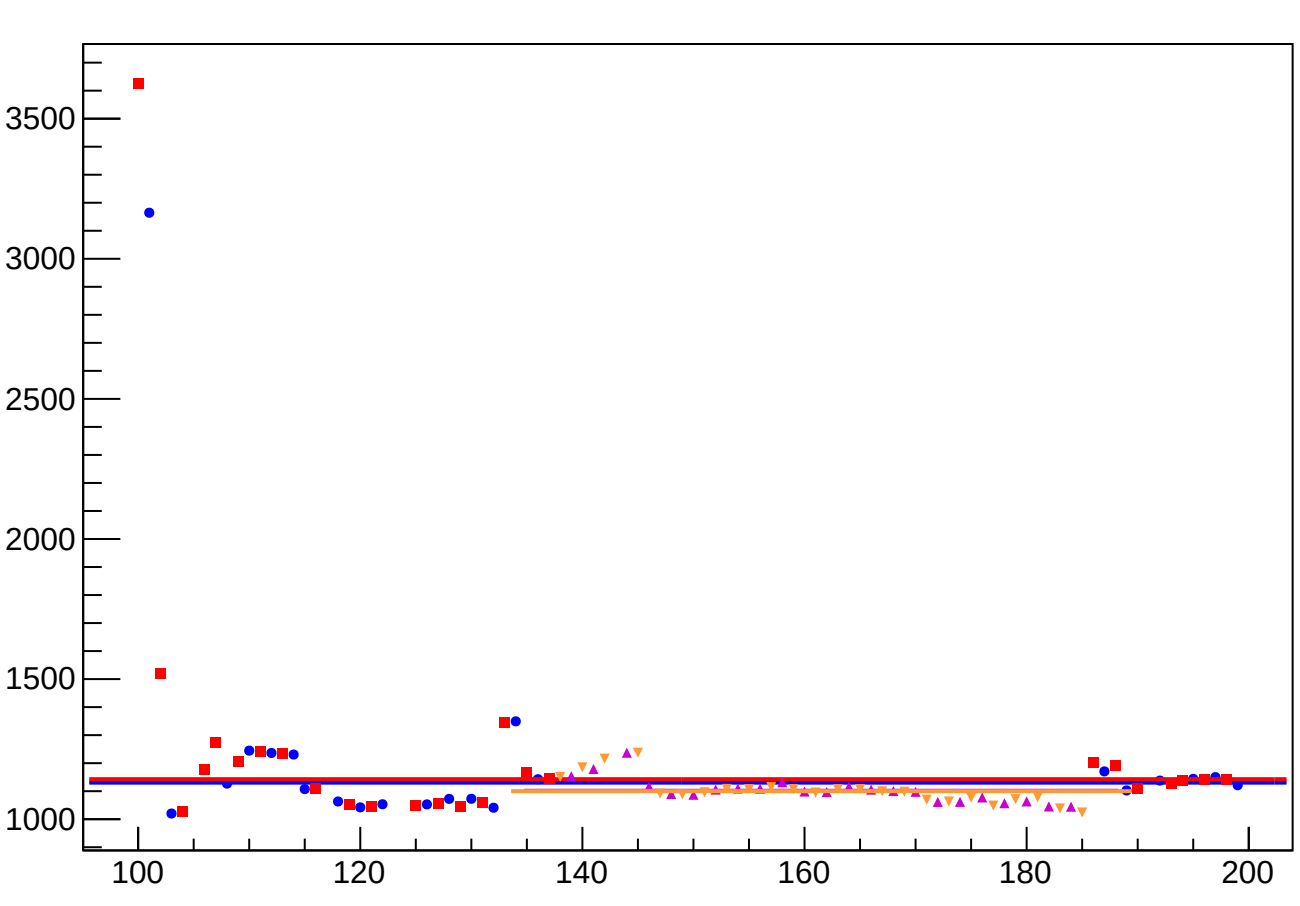
Left: 59.234+/-181.340 χ^2/NDF: 68.5/46

Right: -65.182+/-235.771 χ^2/NDF: 49.5/46

In: -330.606+/-204.700 χ^2/NDF:37.4/44

Out: 347.219+/-201.890 χ^2/NDF:75.3/48

All: 12.990+/-143.741 χ^2/NDF: 118.2/93



Right In: 1130.552+/-0.239 χ^2/NDF: 623536.9/21

Left Out: 1100.063+/-0.181 χ^2/NDF:58733.9/23

Right Out: 1142.920+/-0.233 χ^2/NDF: 227099.8/24

Left In: 1101.530+/-0.182 χ^2/NDF:52145.9/22

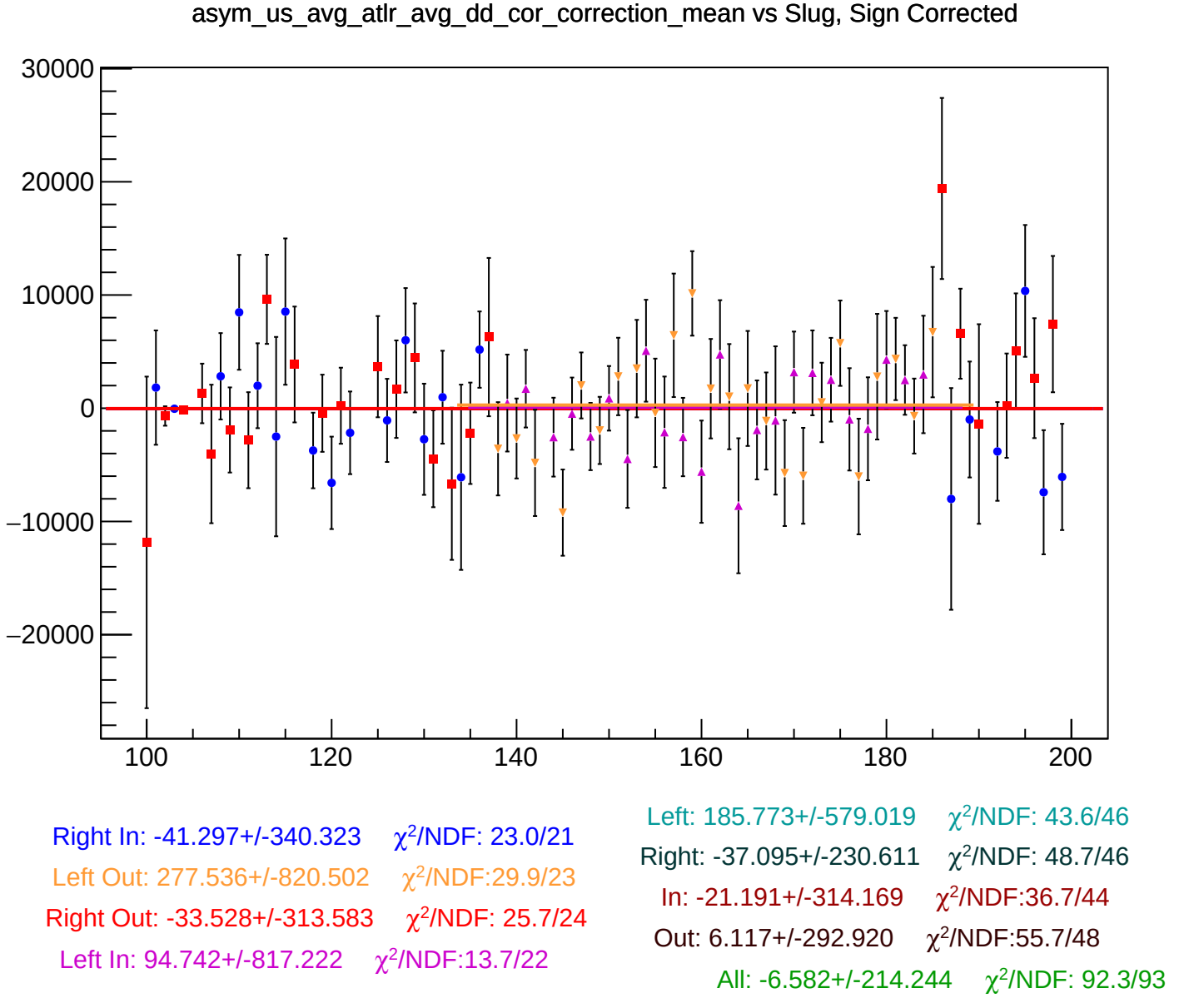
Left: 1100.791+/-0.128 χ^2/NDF: 110912.5/46

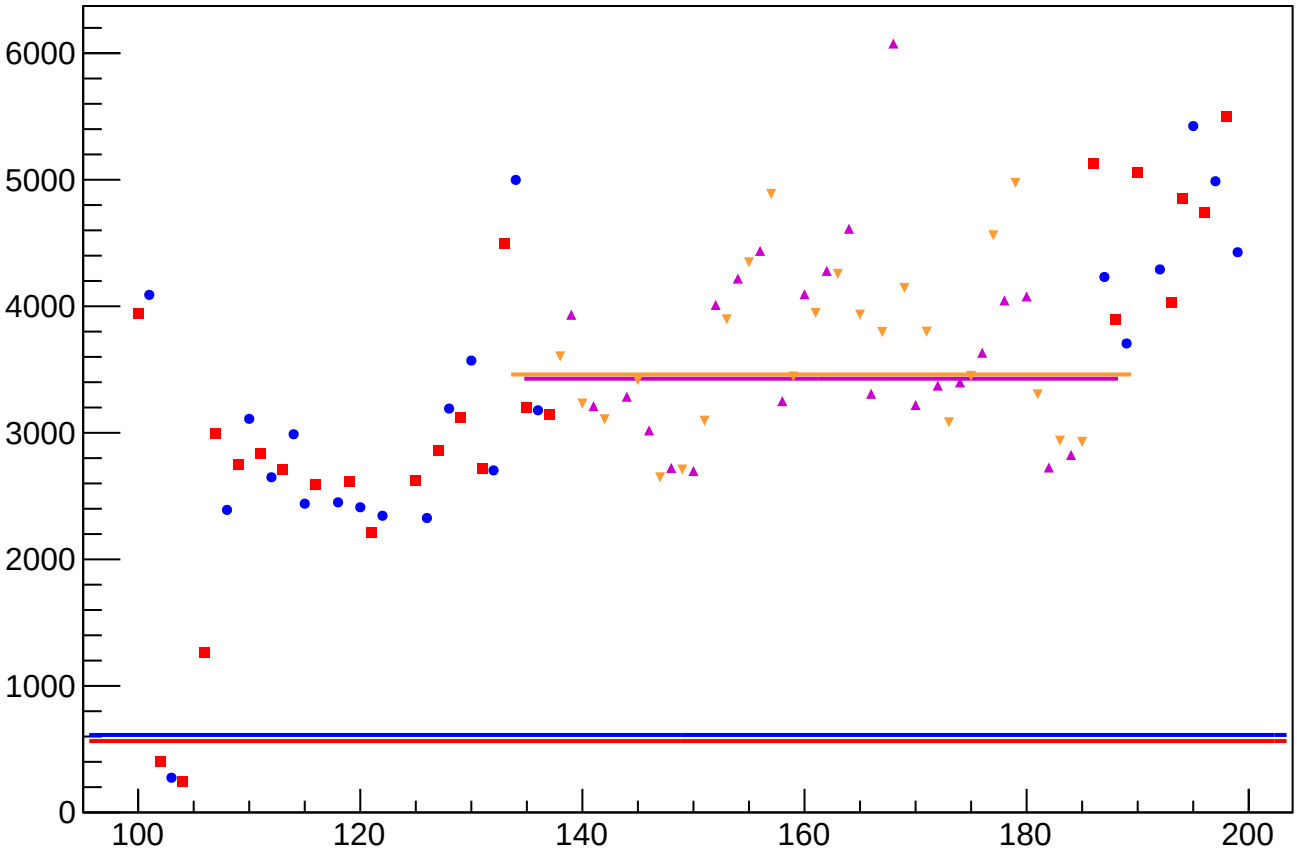
Right: 1136.892+/-0.167 χ^2/NDF: 852012.2/46

In: 1112.195+/-0.145 χ^2/NDF:685027.7/44

Out: 1116.174+/-0.143 χ^2/NDF:306982.3/48

All: 1114.212+/-0.102 χ^2/NDF: 992393.2/93


asym_us_avg_atlr_avg_dd_cor_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
120
140
160
180
200
Right In: -41.297+/-340.323 χ²/NDF: 23.0/21
Left Out: 277.536+/-820.502 χ²/NDF:29.9/23
Right Out: -33.528+/-313.583 χ²/NDF: 25.7/24
Left In: 94.742+/-817.222 χ²/NDF:13.7/22
Left: 185.773+/-579.019 χ²/NDF: 43.6/46
Right: -37.095+/-230.611 χ²/NDF: 48.7/46
In: -21.191+/-314.169 χ²/NDF:36.7/44
Out: 6.117+/-292.920 χ²/NDF:55.7/48
All: -6.582+/-214.244 χ²/NDF: 92.3/93



Right In: 612.446+/-0.241 χ^2/NDF: 16379253.0/21

Left Out: 3461.261+/-0.580 χ^2/NDF:1058691.8/23

Right Out: 564.255+/-0.222 χ^2/NDF: 17019211.3/24

Left In: 3427.857+/-0.578 χ^2/NDF:1243147.4/22

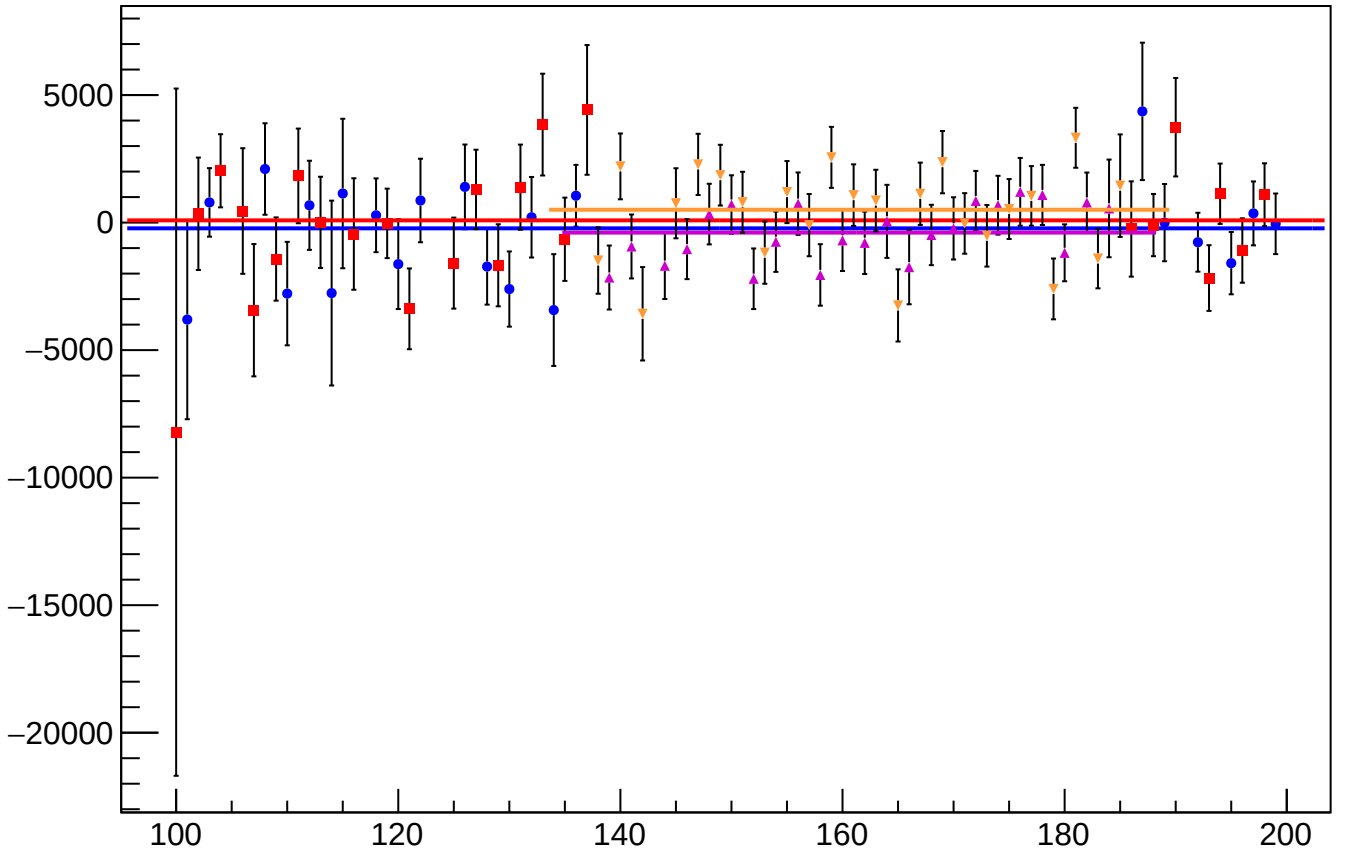
Left: 3444.492+/-0.409 χ^2/NDF: 2303503.3/46

Right: 586.383+/-0.163 χ^2/NDF: 33420152.9/46

In: 1028.538+/-0.222 χ^2/NDF:37851631.8/44

Out: 933.477+/-0.207 χ^2/NDF:39832972.2/48

All: 977.684+/-0.151 χ^2/NDF: 77782559.5/93



Right In: -225.475+/-337.669 χ^2/NDF: 19.4/21

Left Out: 503.679+/-255.531 χ^2/NDF:44.6/23

Right Out: 87.307+/-329.346 χ^2/NDF: 29.7/24

Left In: -391.689+/-257.386 χ^2/NDF:17.8/22

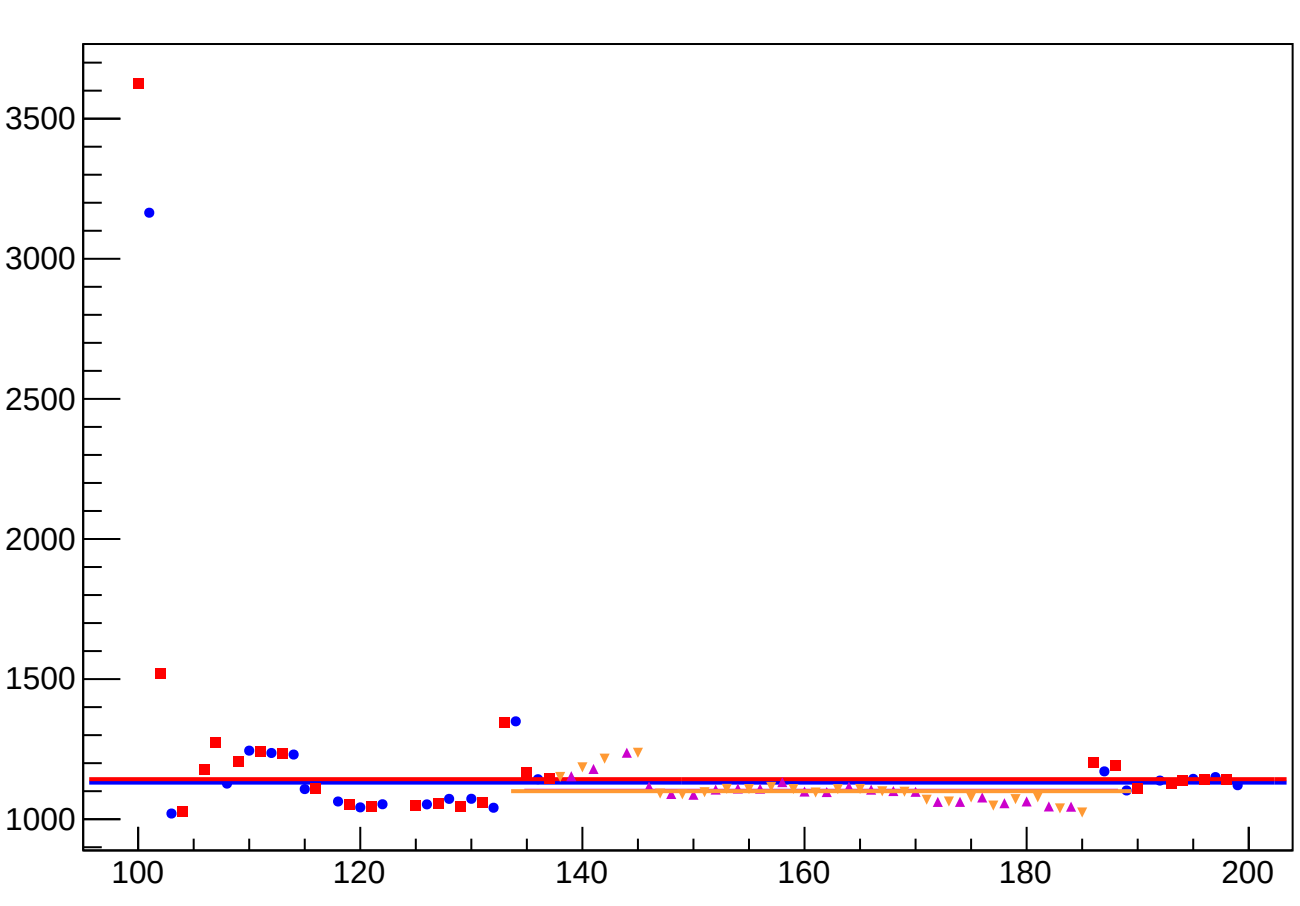
Left: 59.234+/-181.340 χ^2/NDF: 68.5/46

Right: -65.182+/-235.771 χ^2/NDF: 49.5/46

In: -330.606+/-204.700 χ^2/NDF:37.4/44

Out: 347.219+/-201.890 χ^2/NDF:75.3/48

All: 12.990+/-143.741 χ^2/NDF: 118.2/93



Right In: 1130.552+/-0.239 χ^2/NDF: 623536.9/21

Left Out: 1100.063+/-0.181 χ^2/NDF:58733.9/23

Right Out: 1142.920+/-0.233 χ^2/NDF: 227099.8/24

Left In: 1101.530+/-0.182 χ^2/NDF:52145.9/22

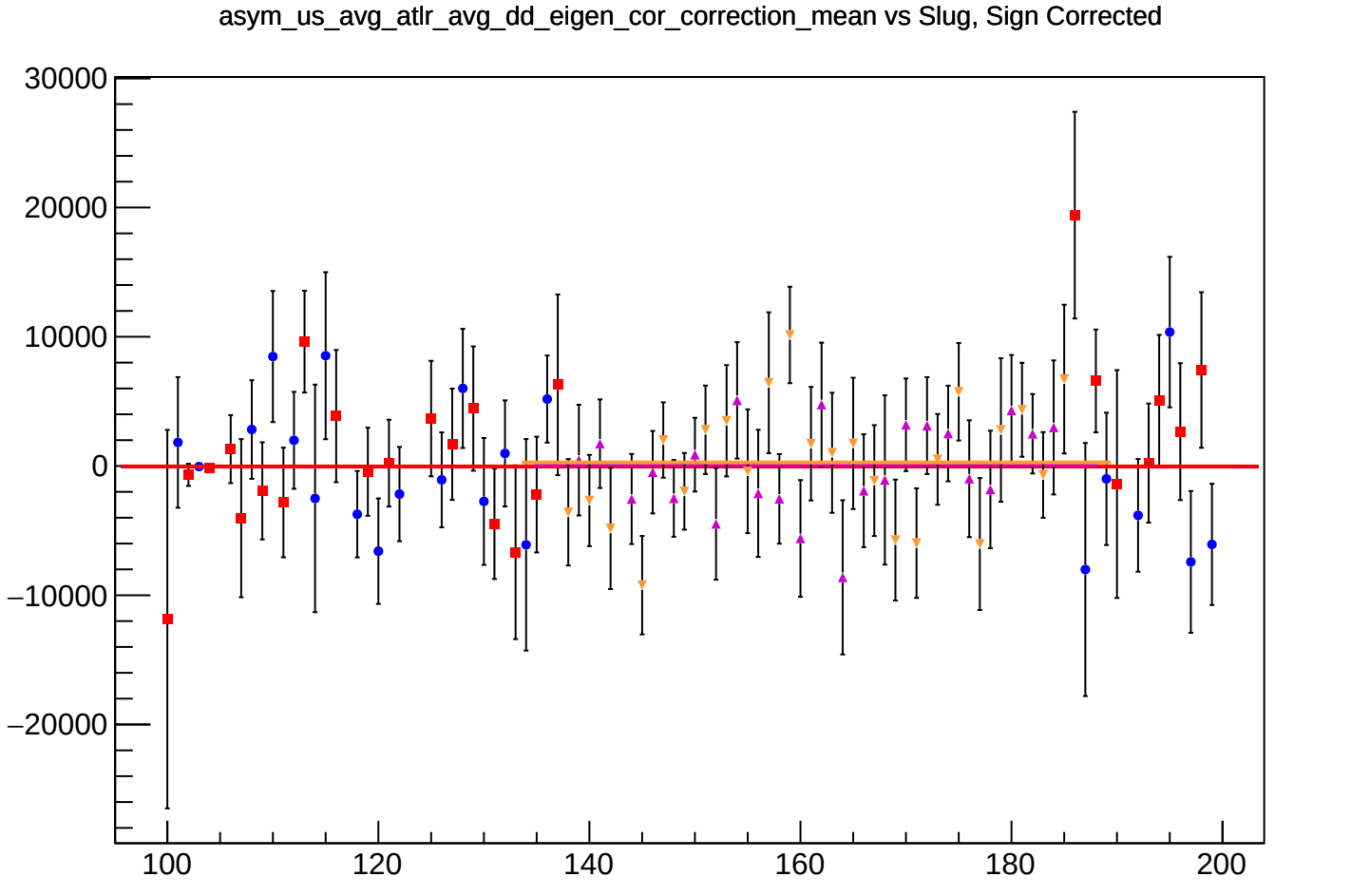
Left: 1100.791+/-0.128 χ^2/NDF: 110912.5/46

Right: 1136.892+/-0.167 χ^2/NDF: 852012.2/46

In: 1112.195+/-0.145 χ^2/NDF:685027.7/44

Out: 1116.174+/-0.143 χ^2/NDF:306982.3/48

All: 1114.212+/-0.102 χ^2/NDF: 992393.2/93



Right In: -41.297+/-340.323 χ^2/NDF: 23.0/21

Left Out: 277.536+/-820.502 χ^2/NDF:29.9/23

Right Out: -33.528+/-313.583 χ^2/NDF: 25.7/24

Left In: 94.742+/-817.222 χ^2/NDF:13.7/22

Left: 185.773+/-579.019 χ^2/NDF: 43.6/46

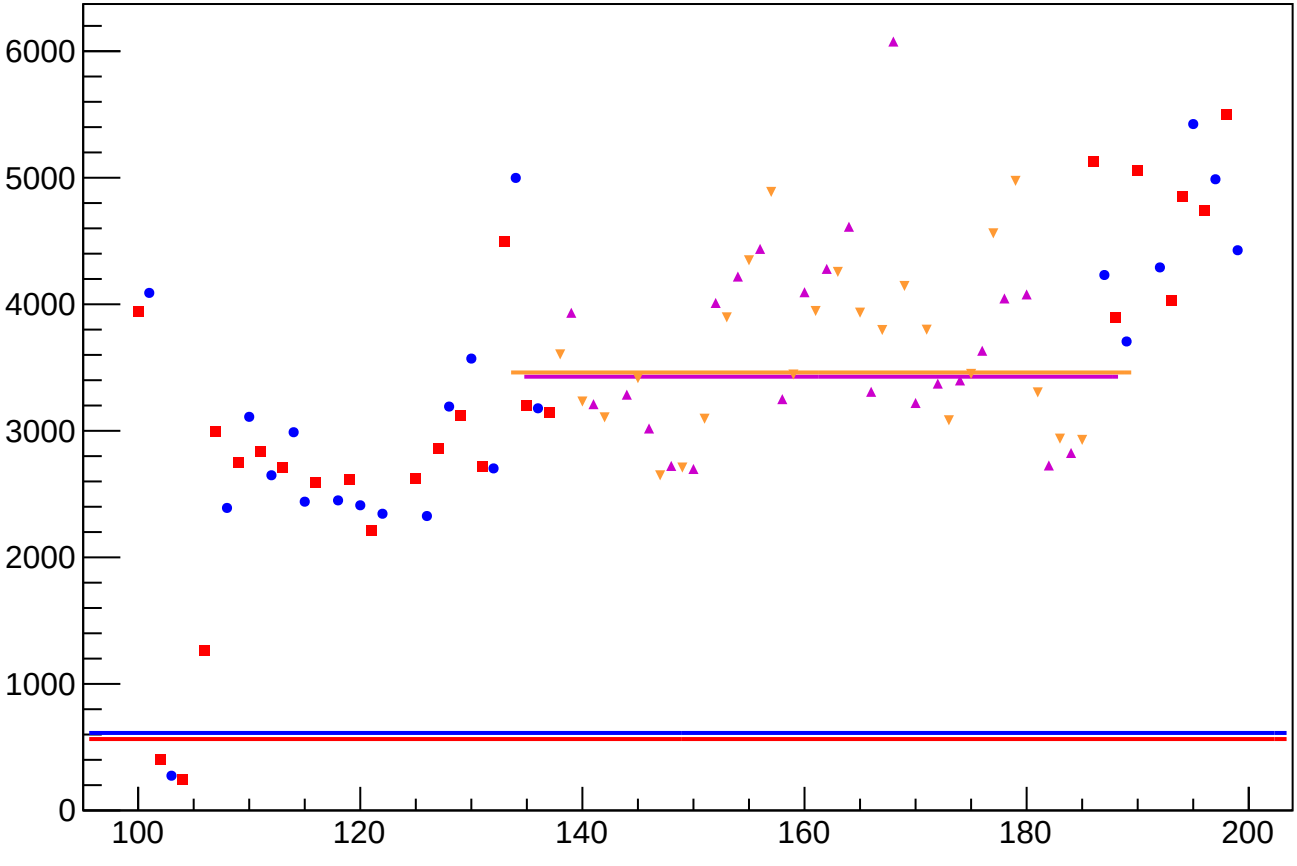
Right: -37.095+/-230.611 χ^2/NDF: 48.7/46

In: -21.191+/-314.169 χ^2/NDF:36.7/44

Out: 6.117+/-292.920 χ^2/NDF:55.7/48

All: -6.582+/-214.244 χ^2/NDF: 92.3/93

asym_us_avg_atlr_avg_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 612.446+/-0.241 χ^2/NDF: 16379253.0/21

Left Out: 3461.261+/-0.580 χ^2/NDF:1058691.8/23

Right Out: 564.255+/-0.222 χ^2/NDF: 17019211.3/24

Left In: 3427.857+/-0.578 χ^2/NDF:1243147.4/22

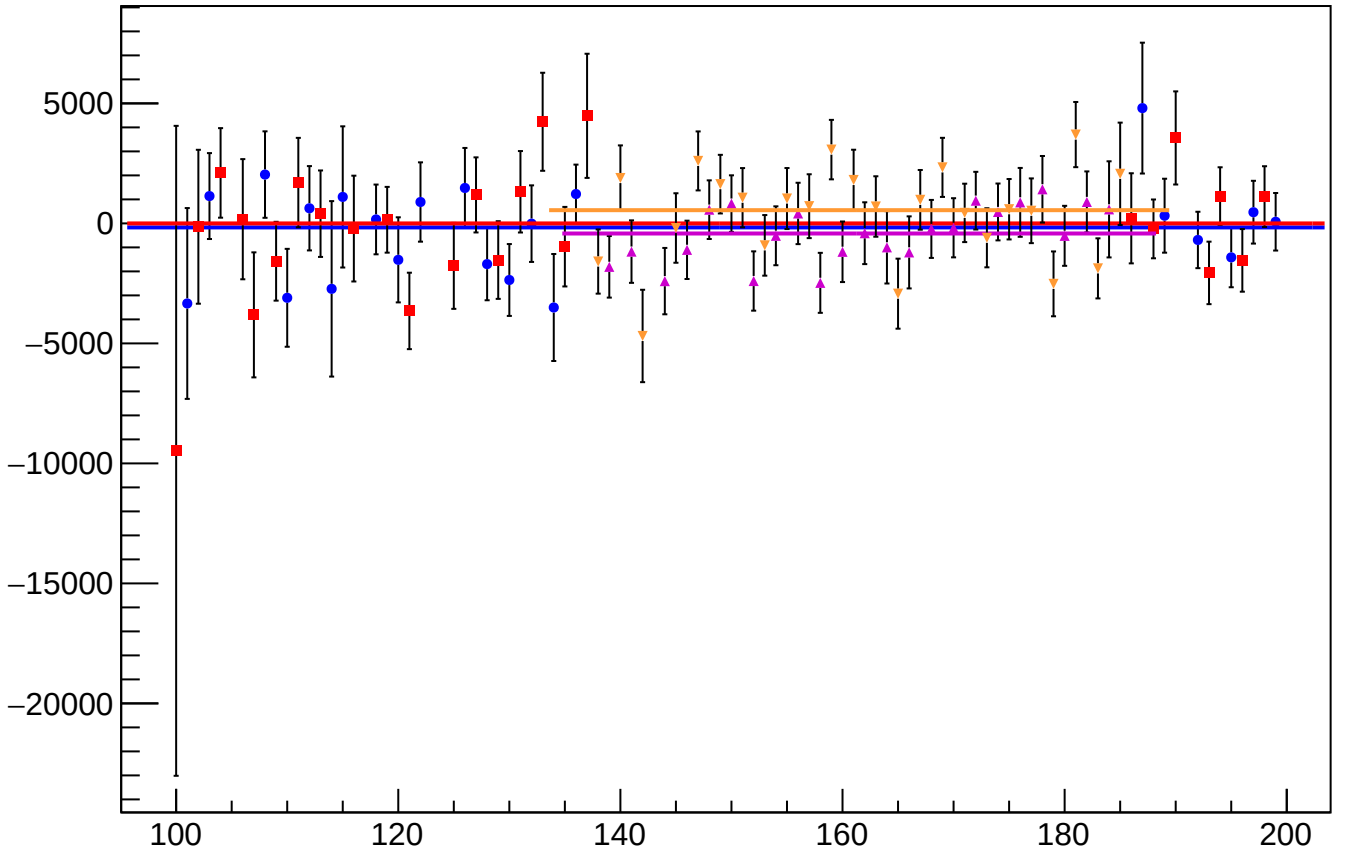
Left: 3444.492+/-0.409 χ^2/NDF: 2303503.3/46

Right: 586.383+/-0.163 χ^2/NDF: 33420152.9/46

In: 1028.538+/-0.222 χ^2/NDF:37851631.8/44

Out: 933.477+/-0.207 χ^2/NDF:39832972.2/48

All: 977.684+/-0.151 χ^2/NDF: 77782559.5/93



Right In: -168.143+/-346.946 χ^2/NDF: 19.2/21

Left Out: 550.661+/-269.206 χ^2/NDF:45.2/23

Right Out: -1.234+/-338.801 χ^2/NDF: 30.7/24

Left In: -421.023+/-269.815 χ^2/NDF:18.0/22

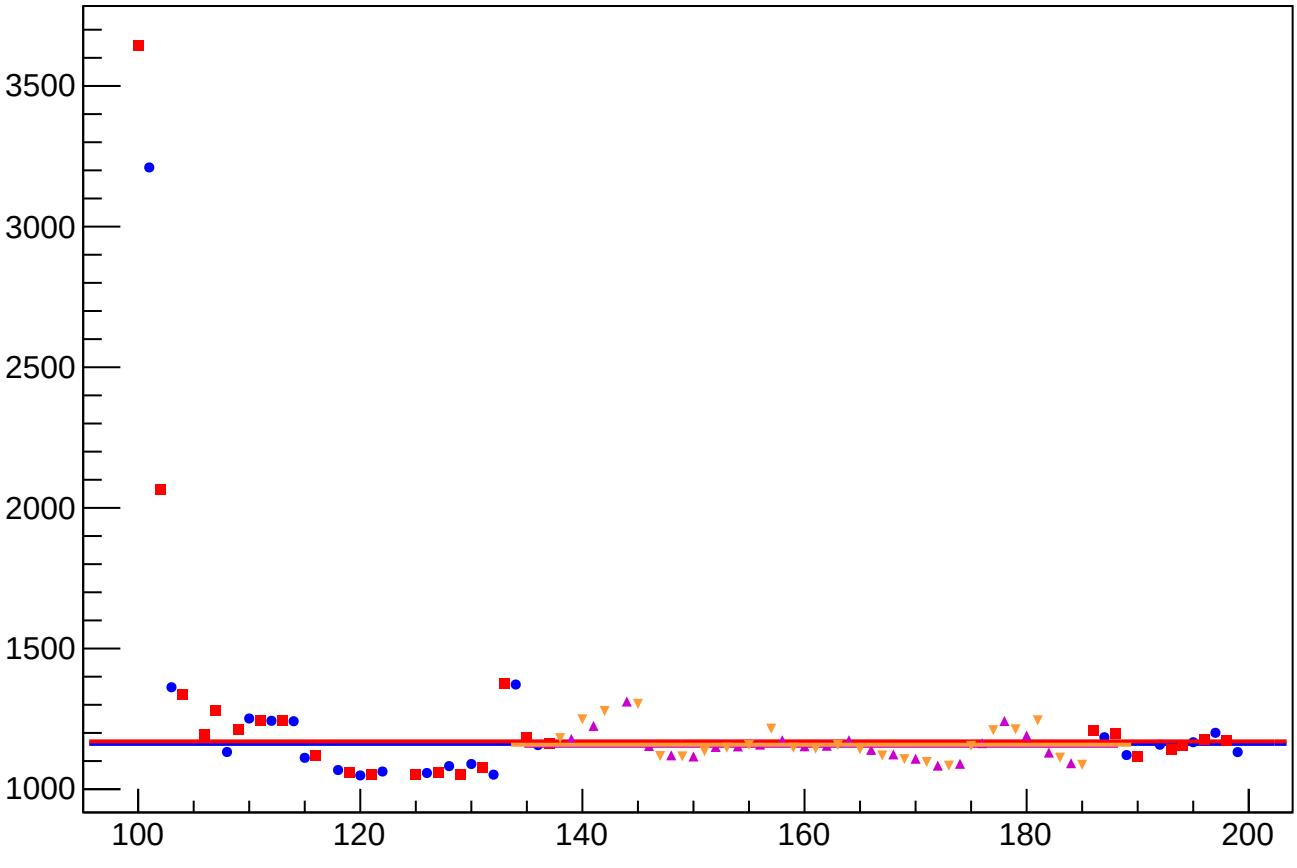
Left: 65.917+/-190.572 χ^2/NDF: 69.7/46

Right: -82.707+/-242.397 χ^2/NDF: 50.0/46

In: -325.721+/-212.989 χ^2/NDF:37.6/44

Out: 337.068+/-210.770 χ^2/NDF:77.5/48

All: 9.143+/-149.815 χ^2/NDF: 120.0/93



Right In: 1161.044+/-0.245 χ^2/NDF: 639927.2/21

Left Out: 1158.177+/-0.190 χ^2/NDF:84111.8/23

Right Out: 1169.930+/-0.240 χ^2/NDF: 336491.8/24

Left In: 1154.231+/-0.191 χ^2/NDF:66476.9/22

Left: 1156.208+/-0.135 χ^2/NDF: 150803.1/46

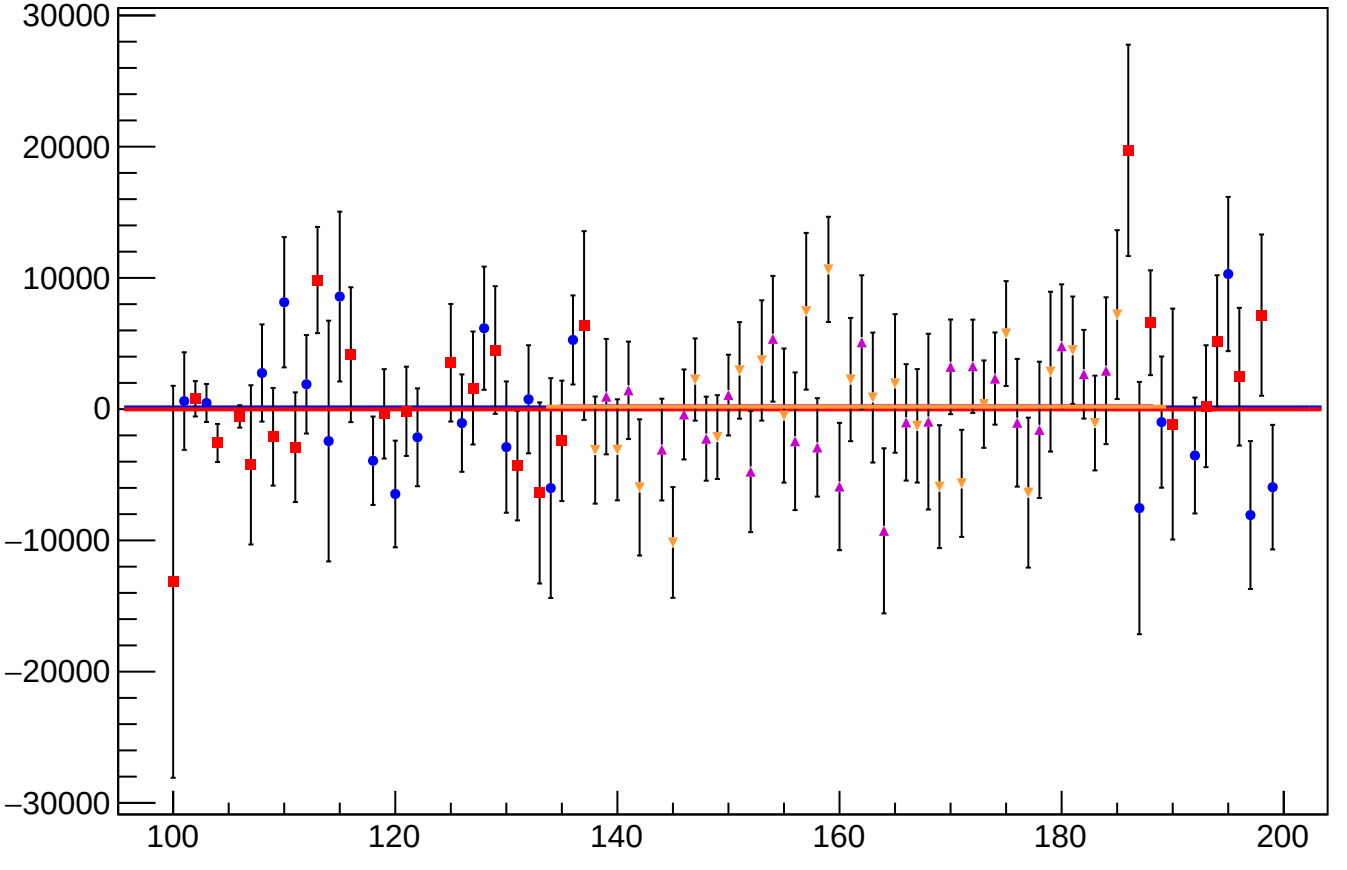
Right: 1165.593+/-0.171 χ^2/NDF: 977090.7/46

In: 1156.798+/-0.151 χ^2/NDF:706884.8/44

Out: 1162.727+/-0.149 χ^2/NDF:422079.3/48

All: 1159.794+/-0.106 χ^2/NDF: 1129747.1/93

asym_us_avg_atlr_avg_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 132.806+/-812.259 χ^2/NDF: 22.8/21

Left Out: 189.735+/-869.432 χ^2/NDF:29.3/23

Right Out: -16.223+/-545.335 χ^2/NDF: 28.5/24

Left In: 221.361+/-864.775 χ^2/NDF:13.4/22

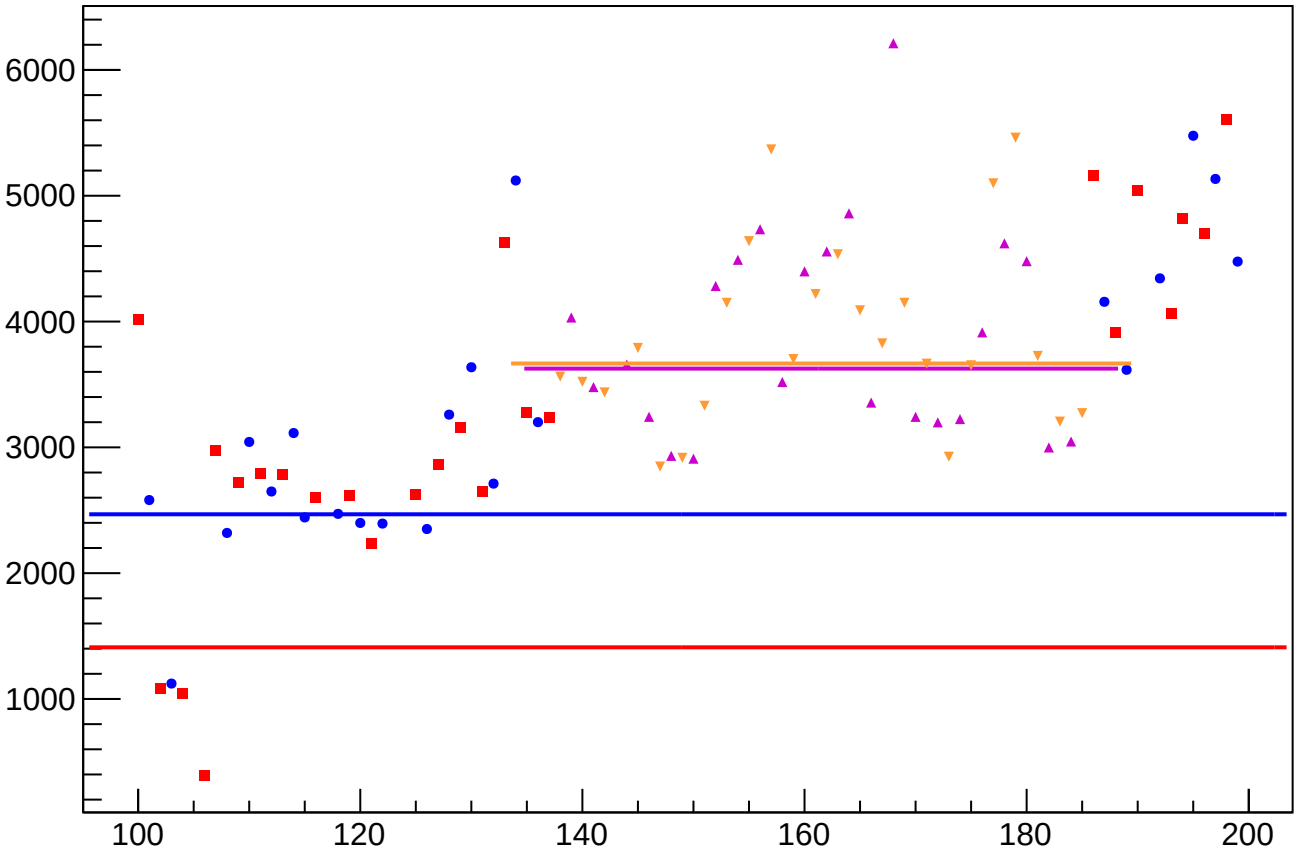
Left: 205.633+/-613.128 χ^2/NDF: 42.7/46

Right: 30.081+/-452.759 χ^2/NDF: 51.3/46

In: 174.313+/-592.050 χ^2/NDF:36.2/44

Out: 41.928+/-461.979 χ^2/NDF:57.8/48

All: 92.029+/-364.218 χ^2/NDF: 94.0/93



Right In: 2468.030+/-0.574 χ^2/NDF: 4103179.5/21

Left Out: 3666.536+/-0.615 χ^2/NDF:1095831.4/23

Right Out: 1410.583+/-0.386 χ^2/NDF: 11023075.4/24

Left In: 3625.940+/-0.611 χ^2/NDF:1257928.4/22

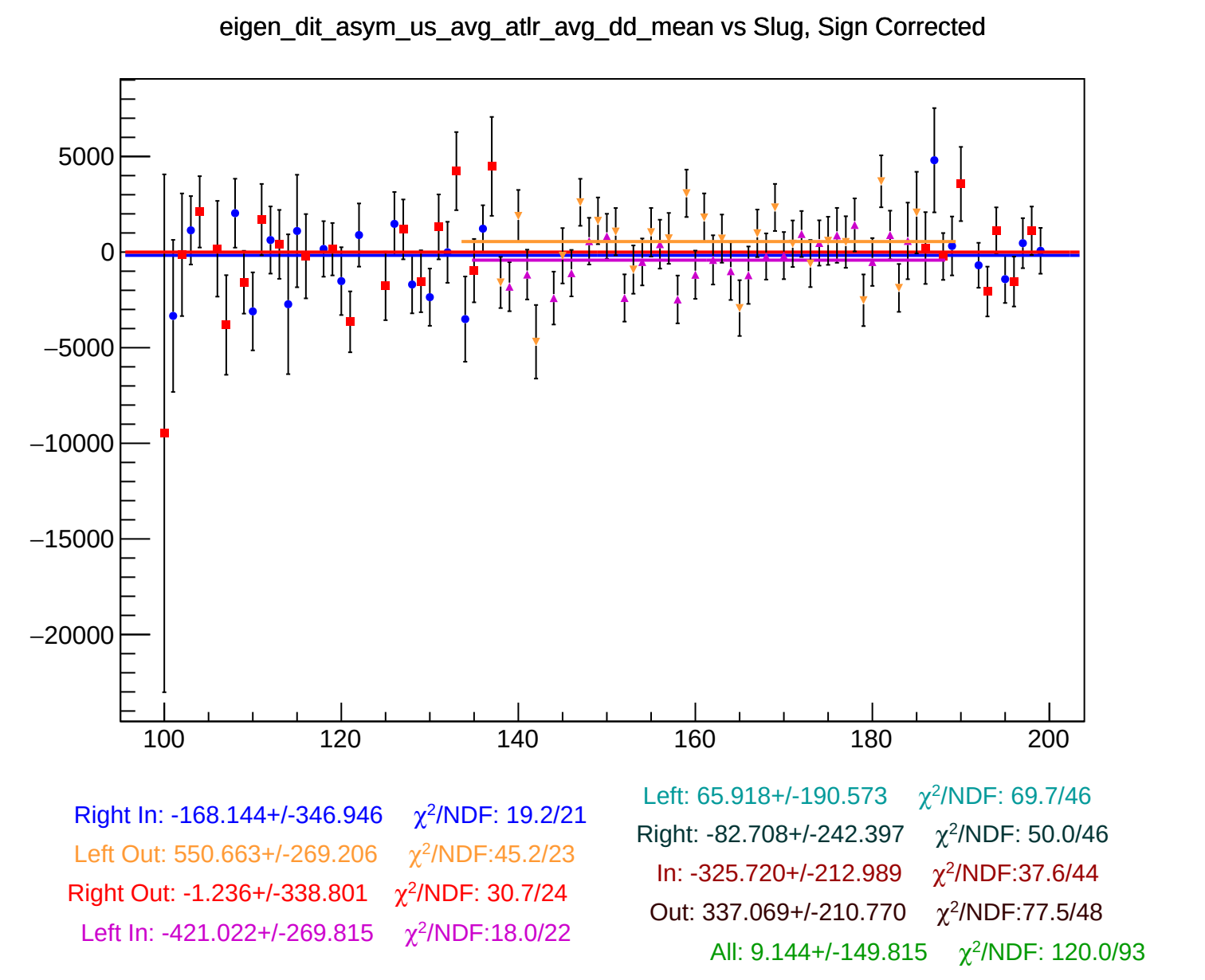
Left: 3646.129+/-0.434 χ^2/NDF: 2355951.7/46

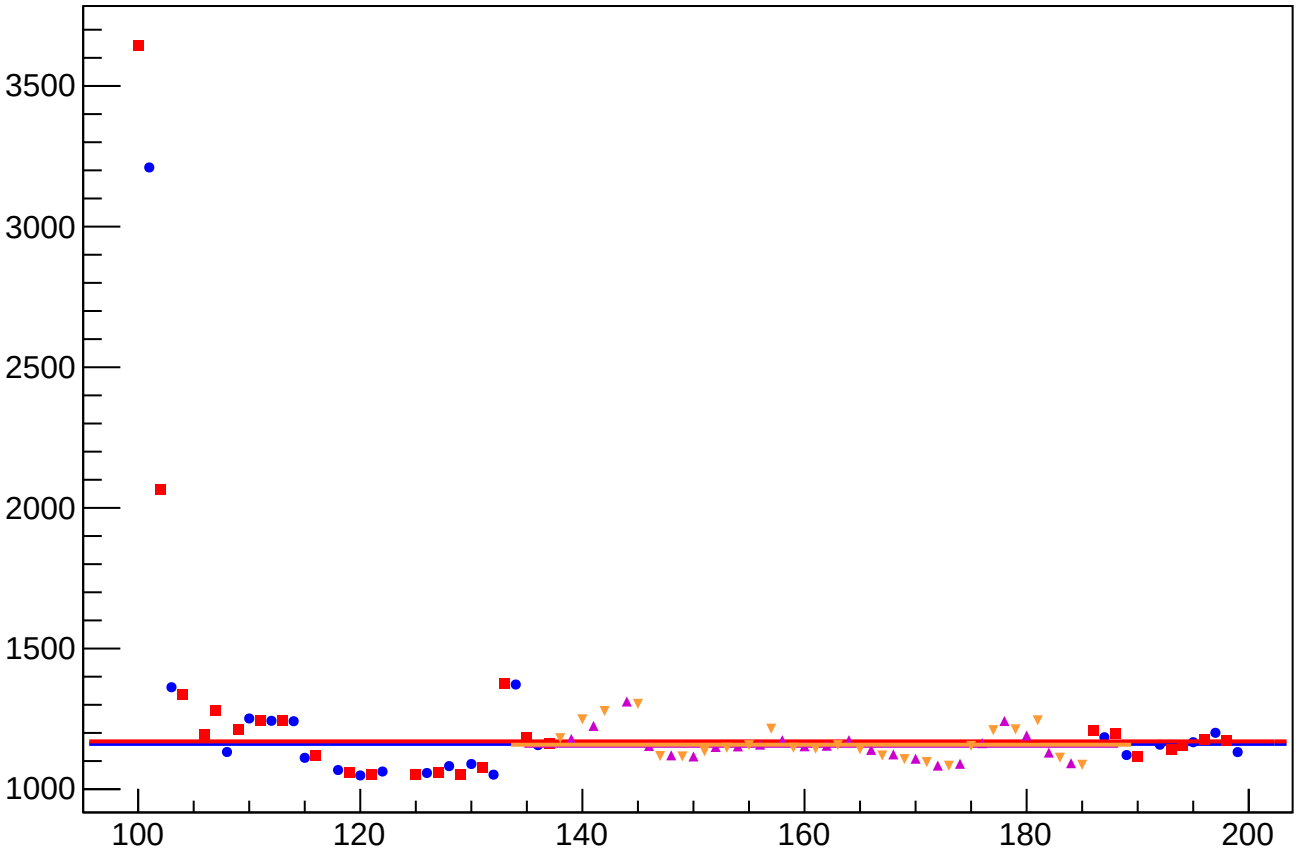
Right: 1739.134+/-0.320 χ^2/NDF: 17462753.1/46

In: 3010.761+/-0.419 χ^2/NDF:7266128.8/44

Out: 2047.530+/-0.327 χ^2/NDF:21782459.8/48

All: 2412.063+/-0.258 χ^2/NDF: 32339012.3/9


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: -168.144+/-346.946 χ²/NDF: 19.2/21
Left Out: 550.663+/-269.206 χ²/NDF:45.2/23
Right Out: -1.236+/-338.801 χ²/NDF: 30.7/24
Left In: -421.022+/-269.815 χ²/NDF:18.0/22
Left: 65.918+/-190.573 χ²/NDF: 69.7/46
Right: -82.708+/-242.397 χ²/NDF: 50.0/46
In: -325.720+/-212.989 χ²/NDF:37.6/44
Out: 337.069+/-210.770 χ²/NDF:77.5/48
All: 9.144+/-149.815 χ²/NDF: 120.0/93



Right In: 1161.043+/-0.245 χ^2/NDF: 639927.5/21

Left Out: 1158.178+/-0.190 χ^2/NDF:84114.3/23

Right Out: 1169.930+/-0.240 χ^2/NDF: 336491.4/24

Left In: 1154.232+/-0.191 χ^2/NDF:66479.5/22

Left: 1156.209+/-0.135 χ^2/NDF: 150808.1/46

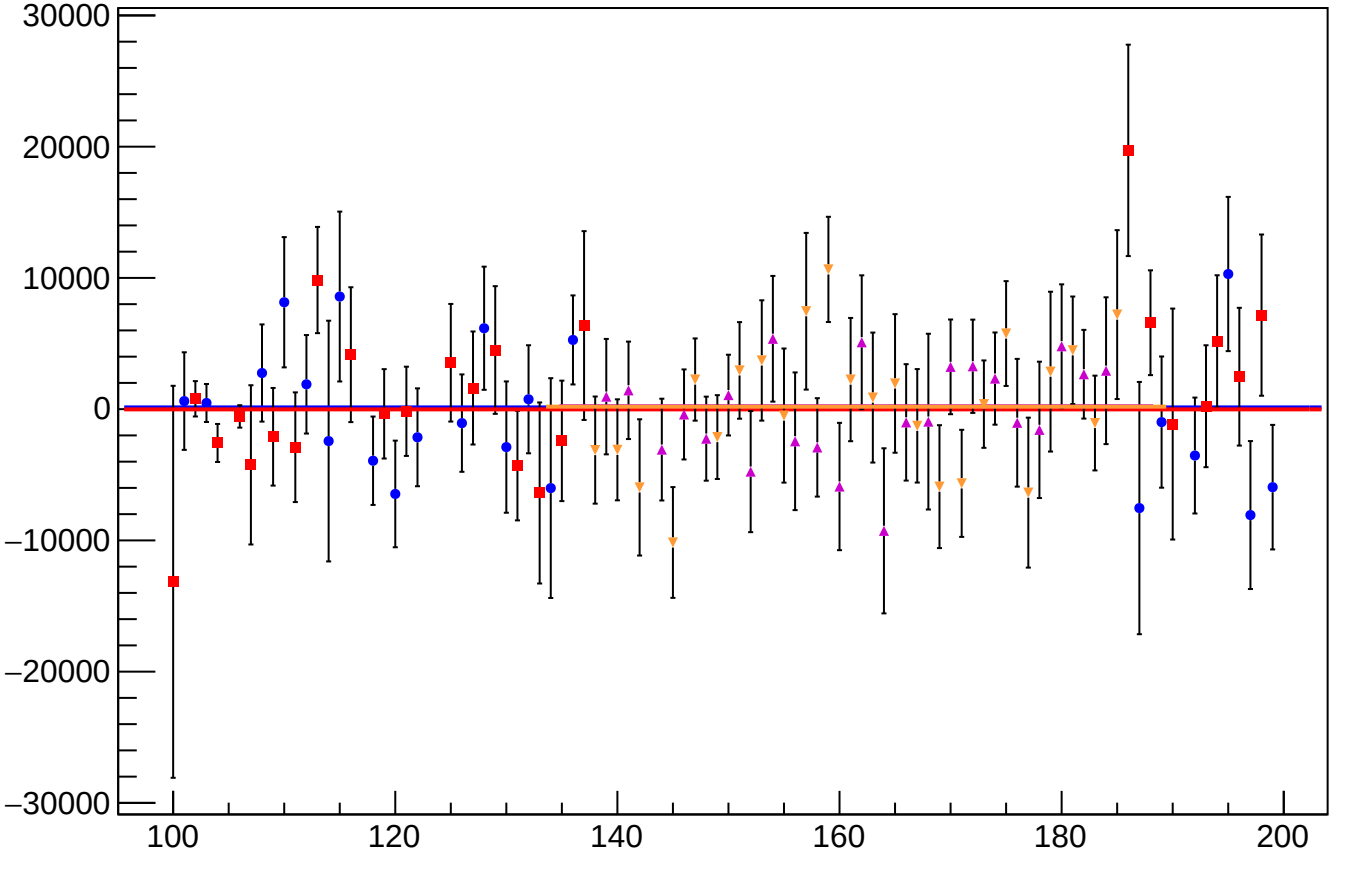
Right: 1165.593+/-0.171 χ^2/NDF: 977090.7/46

In: 1156.799+/-0.151 χ^2/NDF:706887.4/44

Out: 1162.728+/-0.149 χ^2/NDF:422081.2/48

All: 1159.795+/-0.106 χ^2/NDF: 1129751.7/93

asym_us_avg_atlr_avg_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 132.802+/-812.258 χ^2/NDF: 22.8/21

Left Out: 189.735+/-869.434 χ^2/NDF:29.3/23

Right Out: -16.233+/-545.329 χ^2/NDF: 28.5/24

Left In: 221.363+/-864.776 χ^2/NDF:13.4/22

Left: 205.634+/-613.129 χ^2/NDF: 42.7/46

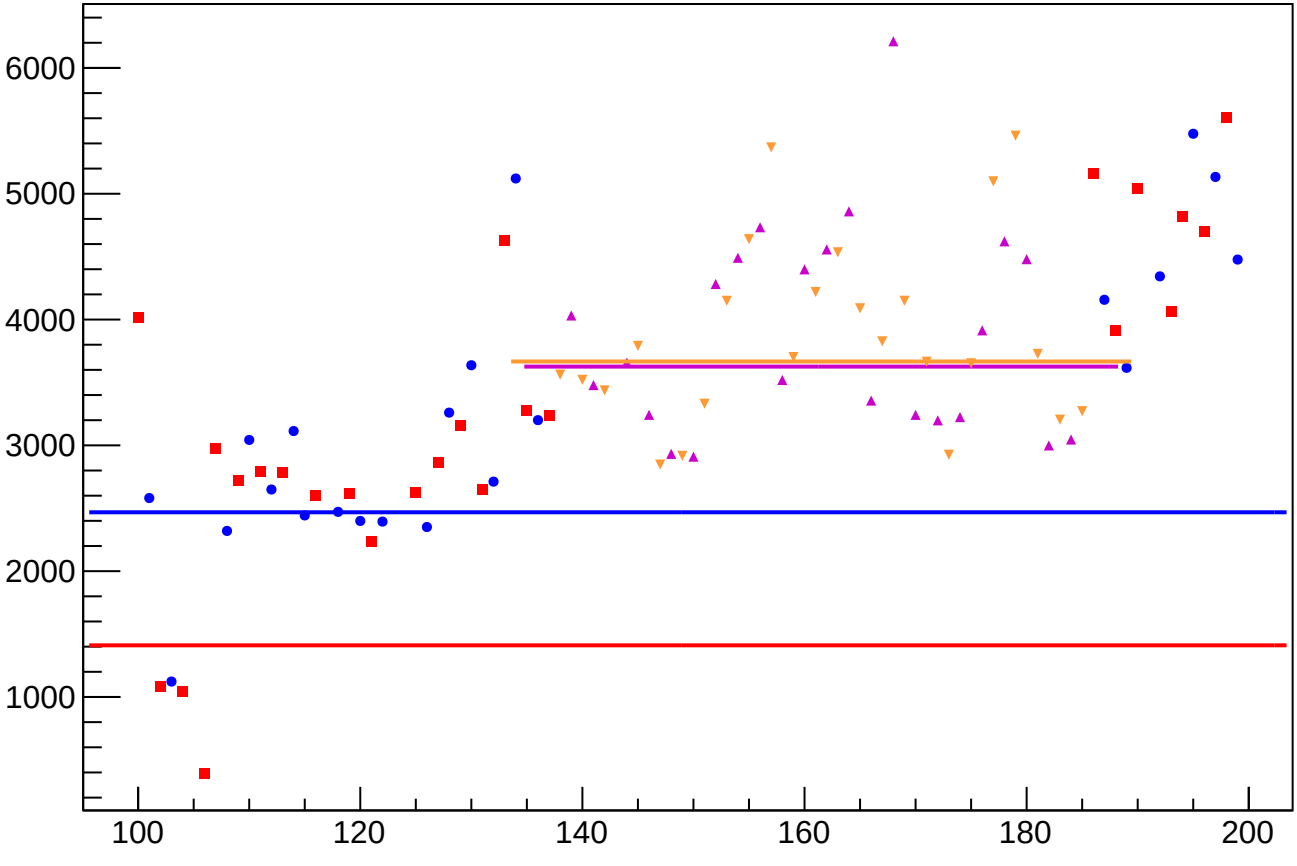
Right: 30.072+/-452.755 χ^2/NDF: 51.3/46

In: 174.312+/-592.050 χ^2/NDF:36.2/44

Out: 41.919+/-461.976 χ^2/NDF:57.8/48

All: 92.023+/-364.216 χ^2/NDF: 94.0/93

asym_us_avg_atlr_avg_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 2468.027+/-0.574 χ^2/NDF: 4103188.6/21

Left Out: 3666.541+/-0.615 χ^2/NDF:1095834.2/23

Right Out: 1410.556+/-0.386 χ^2/NDF: 11023284.6/24

Left In: 3625.945+/-0.611 χ^2/NDF:1257933.0/22

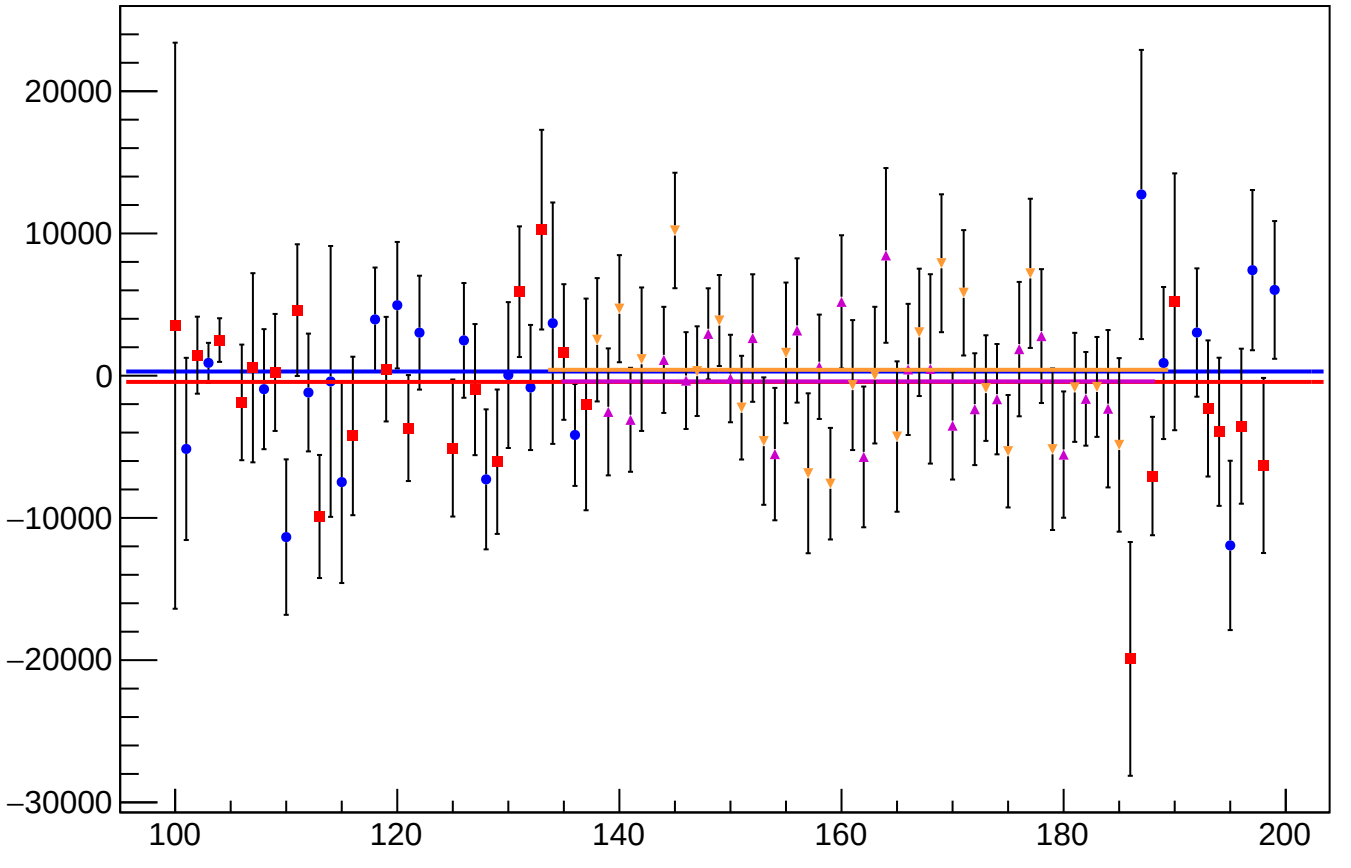
Left: 3646.134+/-0.434 χ^2/NDF: 2355959.1/46

Right: 1739.110+/-0.320 χ^2/NDF: 17463095.0/46

In: 3010.760+/-0.419 χ^2/NDF:7266169.2/44

Out: 2047.501+/-0.327 χ^2/NDF:21782988.1/48

All: 2412.041+/-0.258 χ^2/NDF: 32339793.1/9



Right In: 294.279+/-852.570 χ^2/NDF: 23.0/21

Left Out: 413.494+/-865.331 χ^2/NDF:27.2/23

Right Out: -438.188+/-825.087 χ^2/NDF: 28.6/24

Left In: -403.543+/-862.437 χ^2/NDF:12.3/22

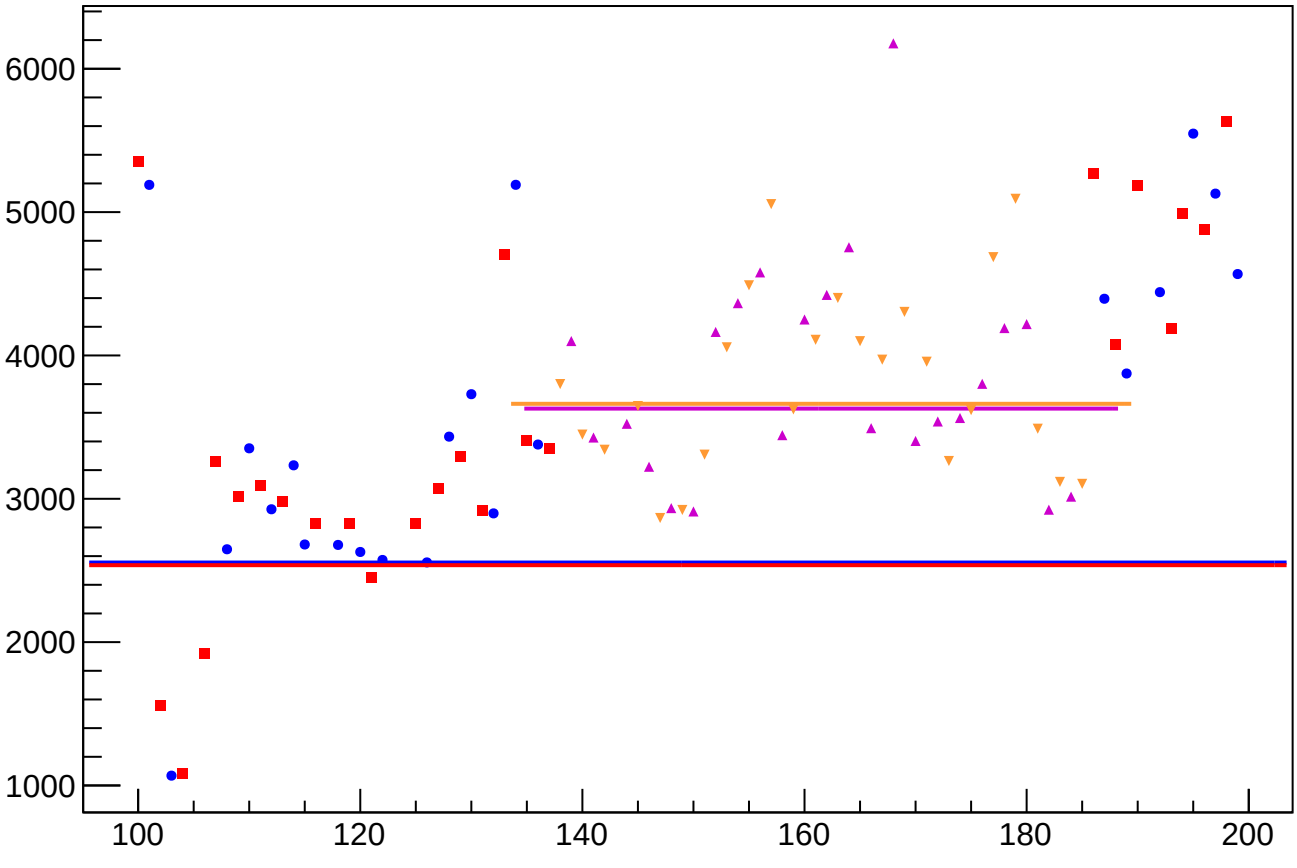
Left: 3.607+/-610.856 χ^2/NDF: 39.9/46

Right: -83.950+/-592.903 χ^2/NDF: 52.0/46

In: -50.617+/-606.316 χ^2/NDF:35.6/44

Out: -32.612+/-597.145 χ^2/NDF:56.3/48

All: -41.477+/-425.451 χ^2/NDF: 91.9/93



Right In: 2555.237+/-0.603 χ^2/NDF: 4924416.9/21

Left Out: 3662.662+/-0.612 χ^2/NDF:893468.3/23

Right Out: 2536.896+/-0.582 χ^2/NDF: 4868608.2/24

Left In: 3629.184+/-0.610 χ^2/NDF:1054949.6/22

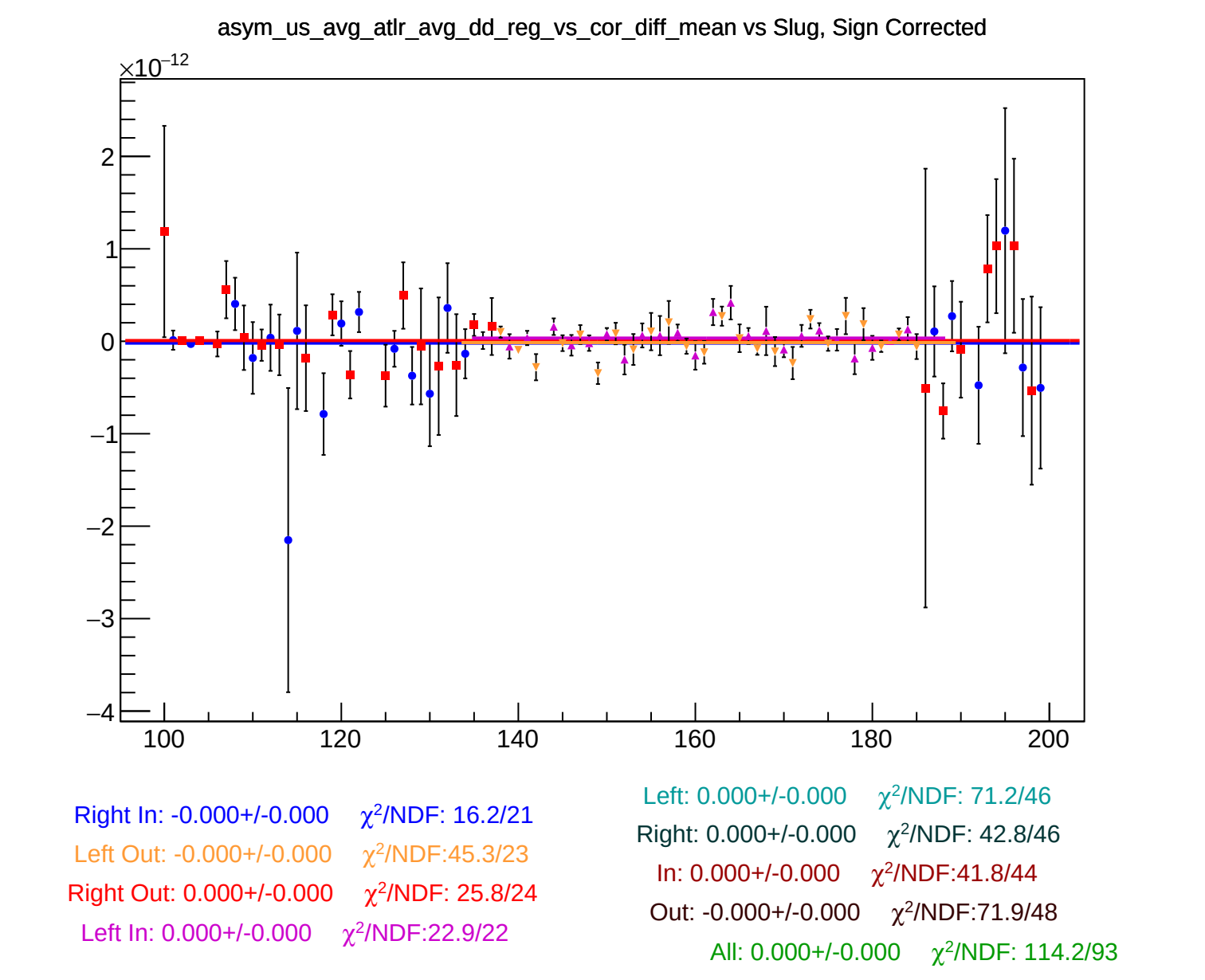
Left: 3645.867+/-0.432 χ^2/NDF: 1949919.7/46

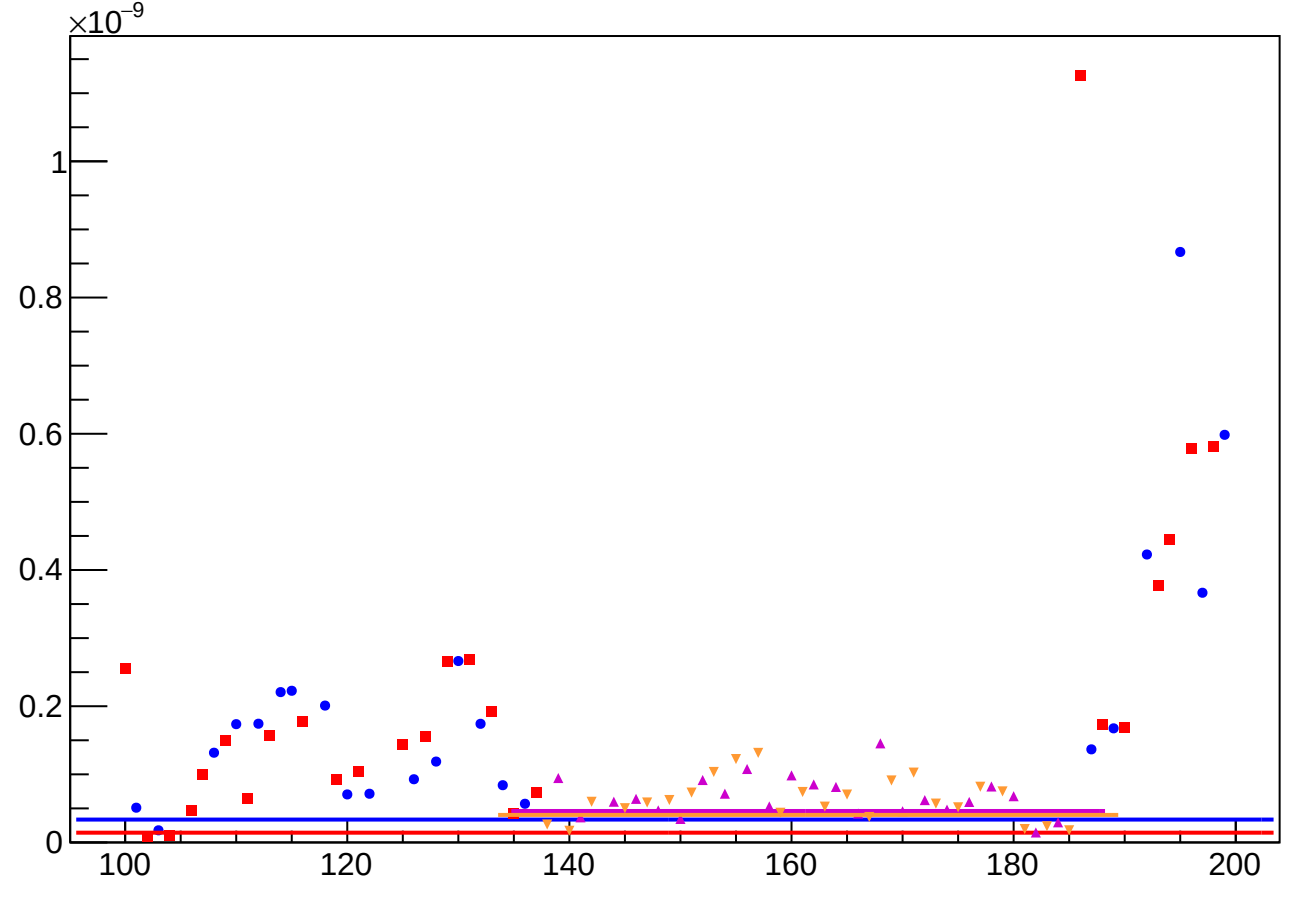
Right: 2545.748+/-0.419 χ^2/NDF: 9793504.0/46

In: 3086.030+/-0.429 χ^2/NDF:7547851.4/44

Out: 3071.854+/-0.422 χ^2/NDF:7538553.3/48

All: 3078.826+/-0.301 χ^2/NDF: 15086960.3/9


asym_us_avg_atlr_avg_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
1
0
−1
−2
−3
−4
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 16.2/21
Left Out: -0.000+/-0.000 χ²/NDF:45.3/23
Right Out: 0.000+/-0.000 χ²/NDF: 25.8/24
Left In: 0.000+/-0.000 χ²/NDF:22.9/22
Left: 0.000+/-0.000 χ²/NDF: 71.2/46
Right: 0.000+/-0.000 χ²/NDF: 42.8/46
In: 0.000+/-0.000 χ²/NDF:41.8/44
Out: -0.000+/-0.000 χ²/NDF:71.9/48
All: 0.000+/-0.000 χ²/NDF: 114.2/93



Right In: 0.000+/-0.000 χ^2/NDF: 6144298.2/21

Left Out: 0.000+/-0.000 χ^2/NDF:3432253.9/23

Right Out: 0.000+/-0.000 χ^2/NDF: 7673489.9/24

Left In: 0.000+/-0.000 χ^2/NDF:2954466.9/22

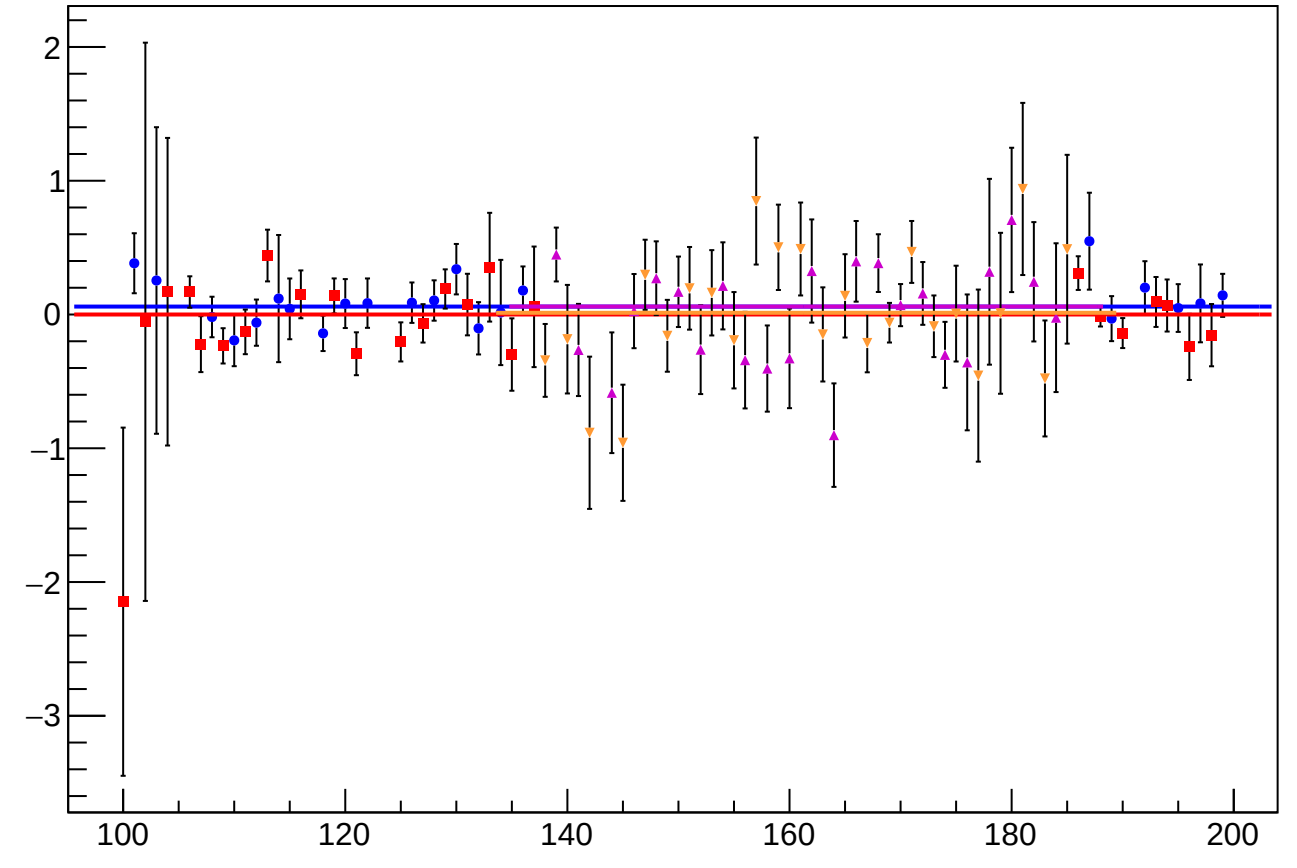
Left: 0.000+/-0.000 χ^2/NDF: 6474821.5/46

Right: 0.000+/-0.000 χ^2/NDF: 14676674.4/46

In: 0.000+/-0.000 χ^2/NDF:9401270.6/44

Out: 0.000+/-0.000 χ^2/NDF:13505199.3/48

All: 0.000+/-0.000 χ^2/NDF: 24379840.0/93



Right In: 0.059+/-0.041 χ^2/NDF: 13.3/21

Left Out: 0.013+/-0.063 χ^2/NDF:29.3/23

Right Out: 0.000+/-0.032 χ^2/NDF: 35.4/24

Left In: 0.059+/-0.062 χ^2/NDF:27.9/22

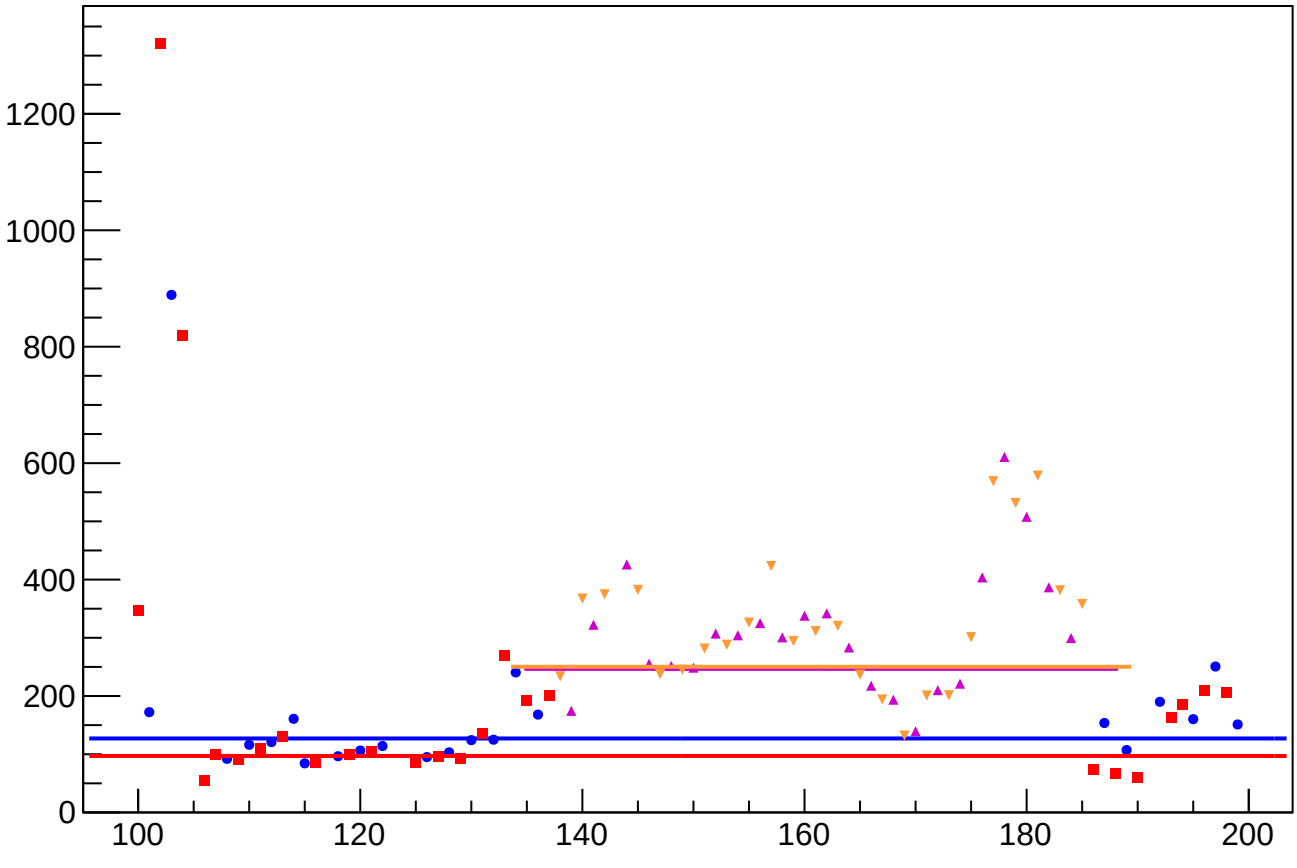
Left: 0.036+/-0.044 χ^2/NDF: 57.5/46

Right: 0.023+/-0.025 χ^2/NDF: 50.0/46

In: 0.059+/-0.034 χ^2/NDF:41.2/44

Out: 0.003+/-0.029 χ^2/NDF:64.8/48

All: 0.026+/-0.022 χ^2/NDF: 107.6/93



Right In: 127.081+/-0.029 χ^2/NDF: 2429795.5/21

Left Out: 250.247+/-0.045 χ^2/NDF:4353162.7/23

Right Out: 97.026+/-0.023 χ^2/NDF: 4818252.6/24

Left In: 246.630+/-0.044 χ^2/NDF:3773083.4/22

Left: 248.410+/-0.031 χ^2/NDF: 8129595.0/46

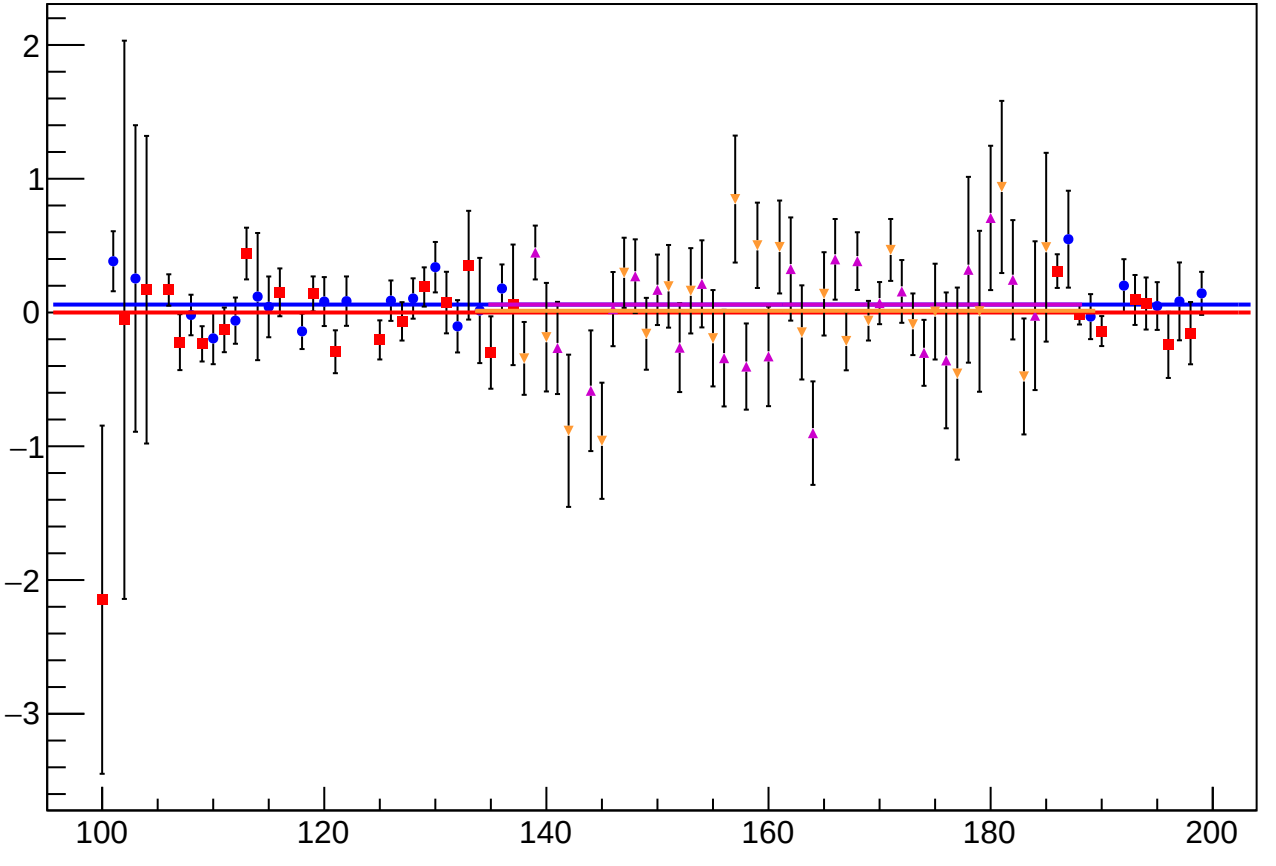
Right: 108.598+/-0.018 χ^2/NDF: 7908249.2/46

In: 163.472+/-0.024 χ^2/NDF:11373625.7/44

Out: 129.160+/-0.020 χ^2/NDF:18517954.5/48

All: 143.422+/-0.016 χ^2/NDF: 31066992.6/93

asym_us_avg_atlr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.059+/-0.041 χ^2/NDF: 13.3/21

Left Out: 0.013+/-0.063 χ^2/NDF:29.3/23

Right Out: 0.000+/-0.032 χ^2/NDF: 35.4/24

Left In: 0.059+/-0.062 χ^2/NDF:27.9/22

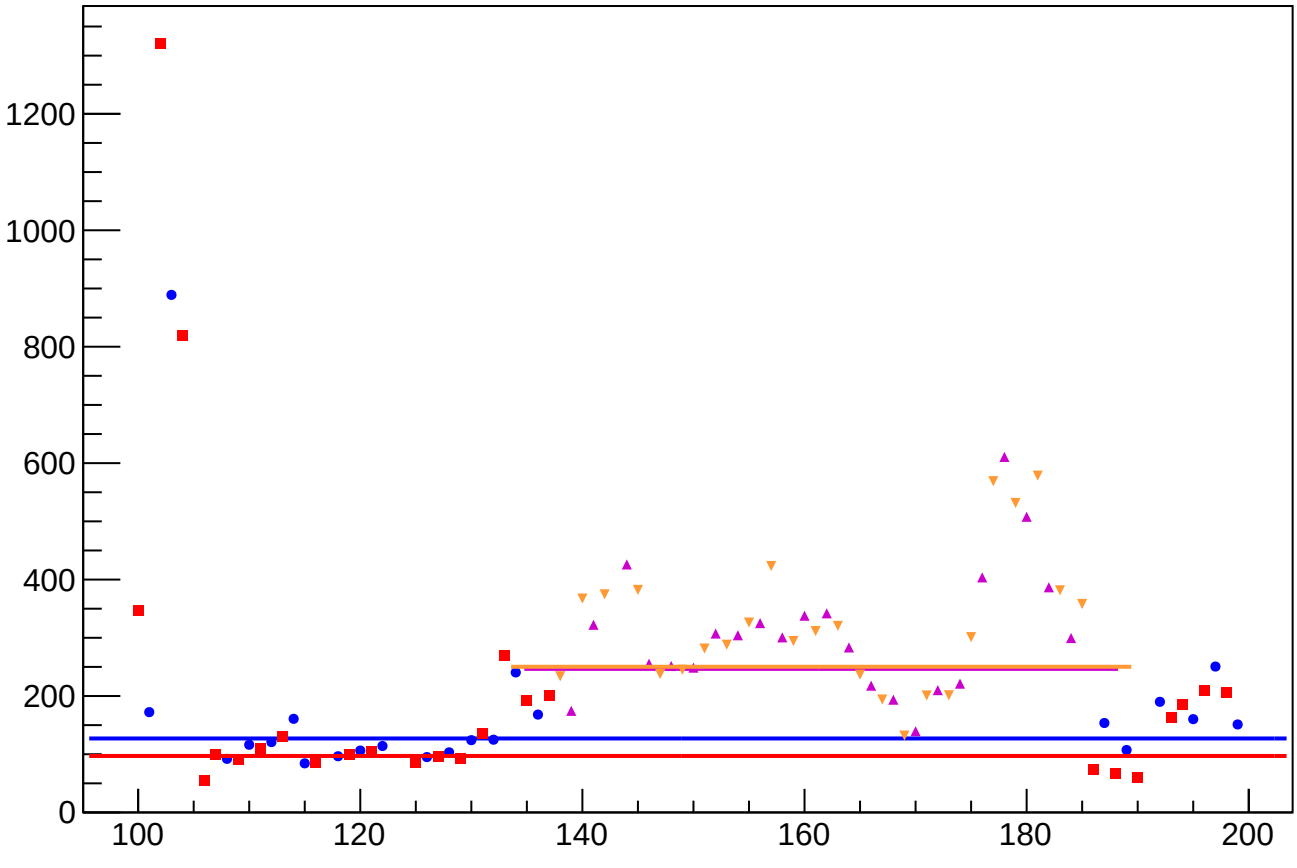
Left: 0.036+/-0.044 χ^2/NDF: 57.5/46

Right: 0.023+/-0.025 χ^2/NDF: 50.0/46

In: 0.059+/-0.034 χ^2/NDF:41.2/44

Out: 0.003+/-0.029 χ^2/NDF:64.8/48

All: 0.026+/-0.022 χ^2/NDF: 107.6/93



Right In: 127.081+/-0.029 χ^2/NDF: 2429795.5/21

Left Out: 250.247+/-0.045 χ^2/NDF:4353162.7/23

Right Out: 97.026+/-0.023 χ^2/NDF: 4818252.6/24

Left In: 246.630+/-0.044 χ^2/NDF:3773083.4/22

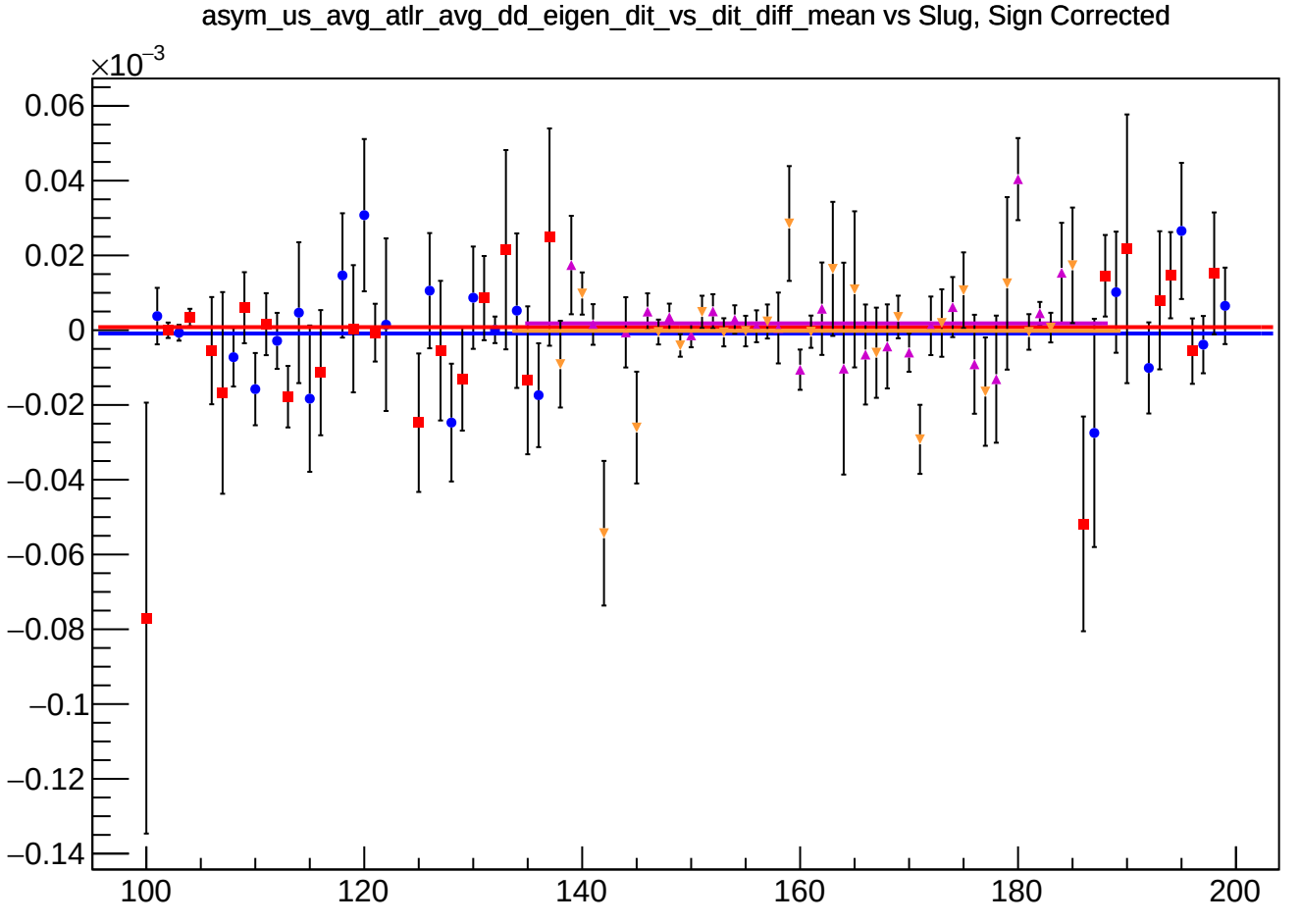
Left: 248.410+/-0.031 χ^2/NDF: 8129595.0/46

Right: 108.598+/-0.018 χ^2/NDF: 7908249.2/46

In: 163.472+/-0.024 χ^2/NDF:11373625.7/44

Out: 129.160+/-0.020 χ^2/NDF:18517954.5/48

All: 143.422+/-0.016 χ^2/NDF: 31066992.6/93



Right In: -0.000+/-0.000 χ^2/NDF: 17.3/21

Left Out: -0.000+/-0.000 χ^2/NDF:37.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 23.3/24

Left In: 0.000+/-0.000 χ^2/NDF:28.2/22

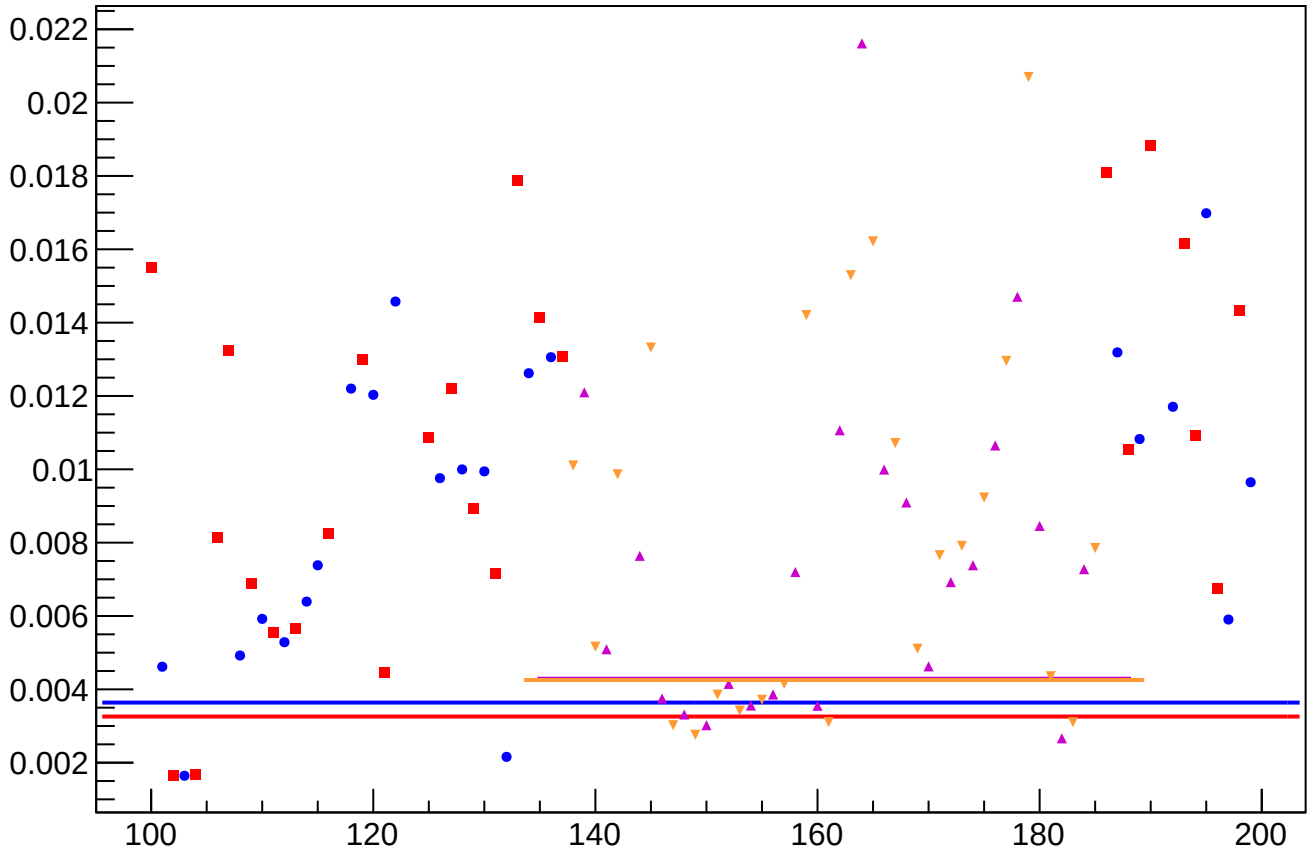
Left: 0.000+/-0.000 χ^2/NDF: 66.8/46

Right: 0.000+/-0.000 χ^2/NDF: 41.3/46

In: 0.000+/-0.000 χ^2/NDF:47.5/44

Out: 0.000+/-0.000 χ^2/NDF:60.8/48

All: 0.000+/-0.000 χ^2/NDF: 108.5/93



Right In: 0.004+/-0.000 χ^2/NDF: 9628520.0/21

Left Out: 0.004+/-0.000 χ^2/NDF:8492565.6/23

Right Out: 0.003+/-0.000 χ^2/NDF: 11904706.8/24

Left In: 0.004+/-0.000 χ^2/NDF:6598609.8/22

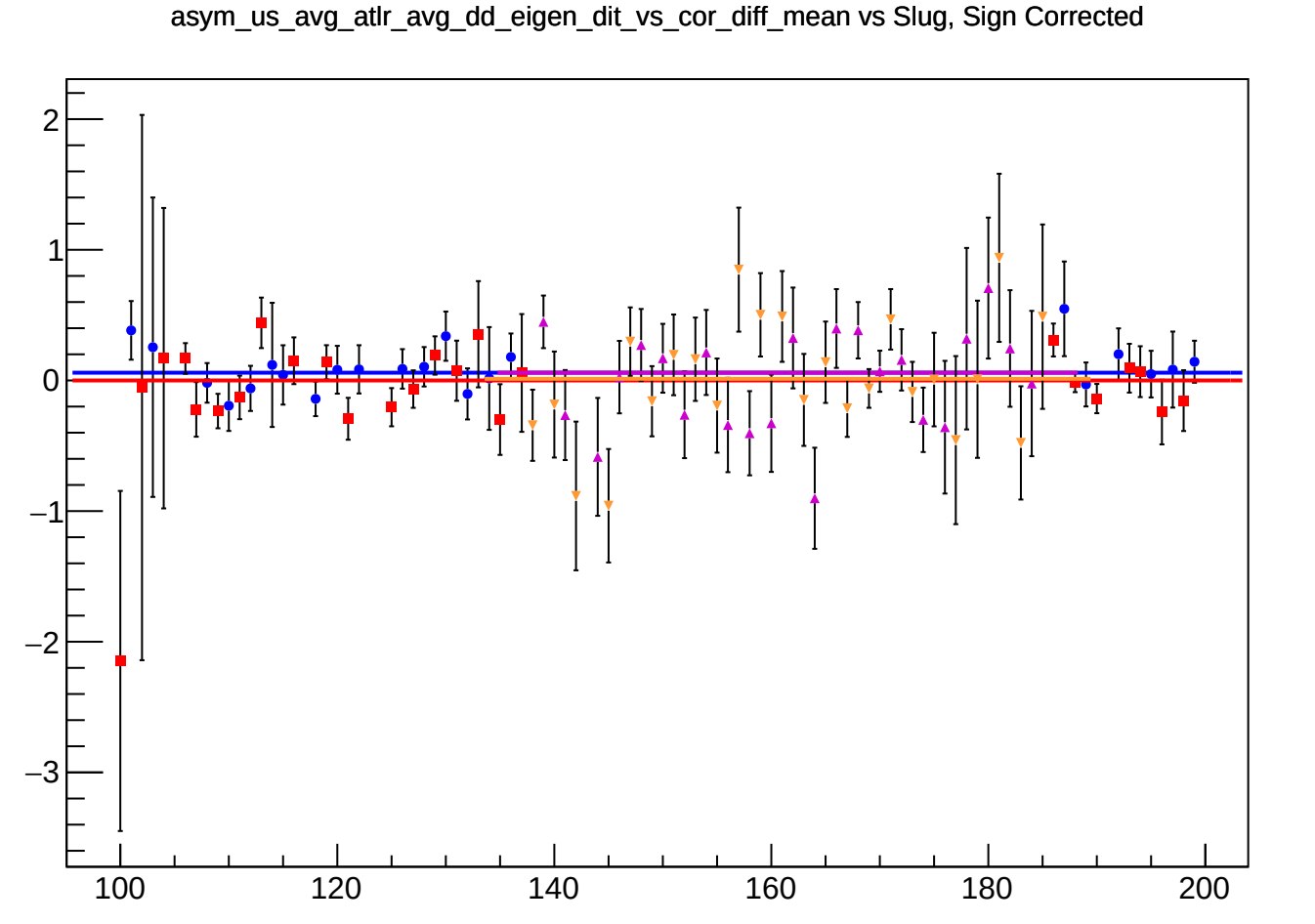
Left: 0.004+/-0.000 χ^2/NDF: 15092064.0/46

Right: 0.003+/-0.000 χ^2/NDF: 21604129.7/46

In: 0.004+/-0.000 χ^2/NDF:16457352.2/44

Out: 0.004+/-0.000 χ^2/NDF:21020352.9/48

All: 0.004+/-0.000 χ^2/NDF: 37532844.1/93



Right In: 0.059+/-0.041 χ^2/NDF: 13.3/21

Left Out: 0.013+/-0.063 χ^2/NDF:29.3/23

Right Out: 0.000+/-0.032 χ^2/NDF: 35.4/24

Left In: 0.059+/-0.062 χ^2/NDF:27.9/22

Left: 0.036+/-0.044 χ^2/NDF: 57.5/46

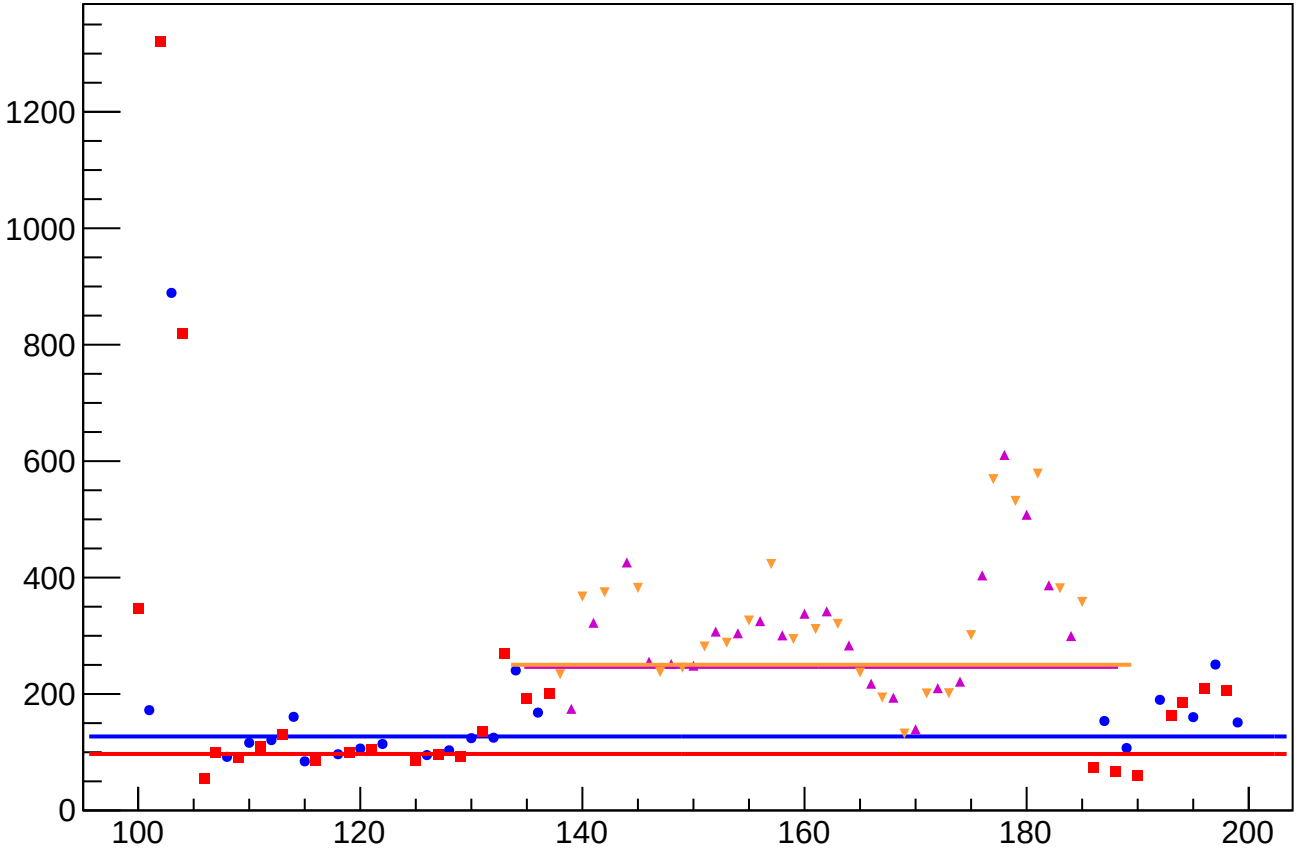
Right: 0.023+/-0.025 χ^2/NDF: 50.0/46

In: 0.059+/-0.034 χ^2/NDF:41.2/44

Out: 0.003+/-0.029 χ^2/NDF:64.8/48

All: 0.026+/-0.022 χ^2/NDF: 107.6/93

asym_us_avg_atlr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 127.080+/-0.029 χ^2/NDF: 2429813.2/21

Left Out: 250.248+/-0.045 χ^2/NDF:4353323.9/23

Right Out: 97.022+/-0.023 χ^2/NDF: 4818697.7/24

Left In: 246.632+/-0.044 χ^2/NDF:3773144.3/22

Left: 248.411+/-0.031 χ^2/NDF: 8129814.5/46

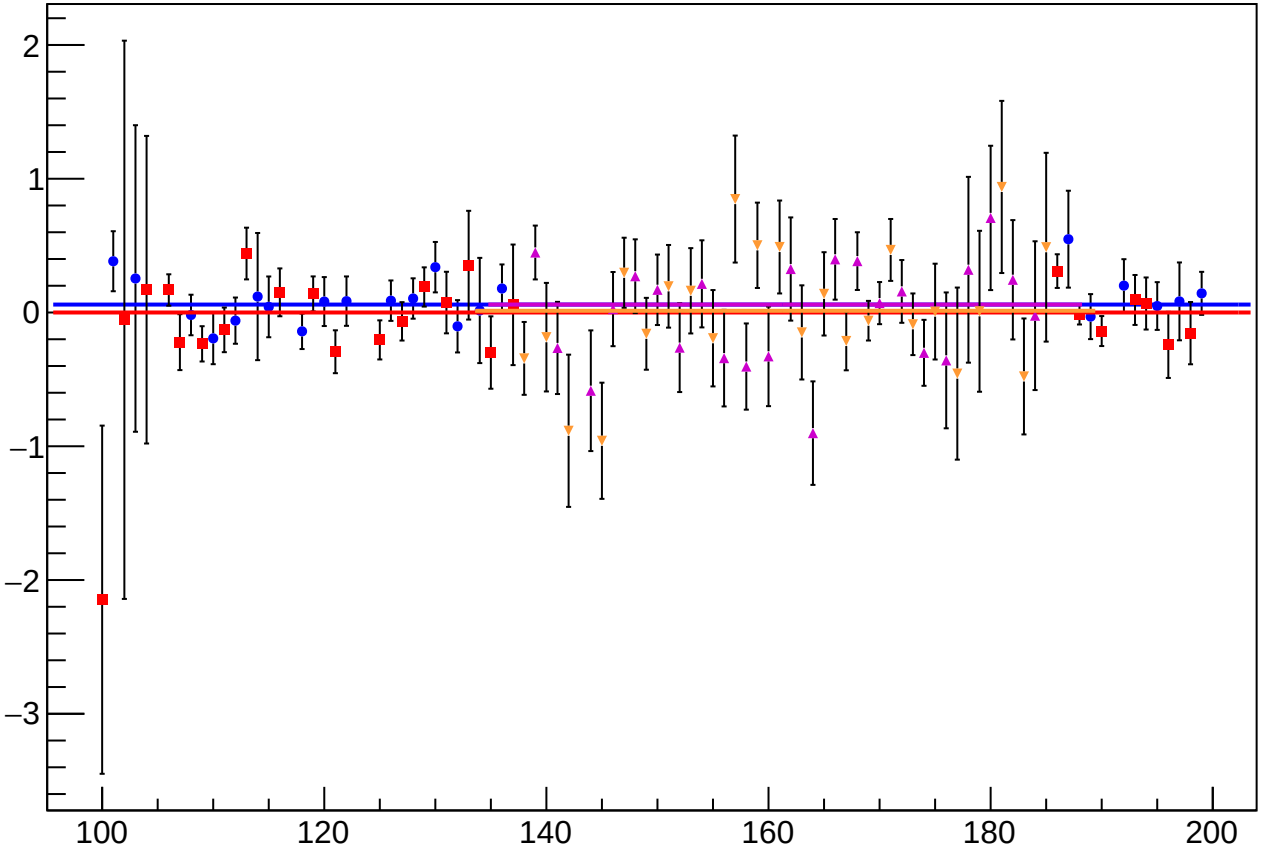
Right: 108.595+/-0.018 χ^2/NDF: 7908906.3/46

In: 163.471+/-0.024 χ^2/NDF:11373870.3/44

Out: 129.155+/-0.020 χ^2/NDF:18519249.5/48

All: 143.418+/-0.016 χ^2/NDF: 31068893.5/93

asym_us_avg_atlr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.059+/-0.041 χ^2/NDF: 13.3/21

Left Out: 0.013+/-0.063 χ^2/NDF:29.3/23

Right Out: 0.000+/-0.032 χ^2/NDF: 35.4/24

Left In: 0.059+/-0.062 χ^2/NDF:27.9/22

Left: 0.036+/-0.044 χ^2/NDF: 57.5/46

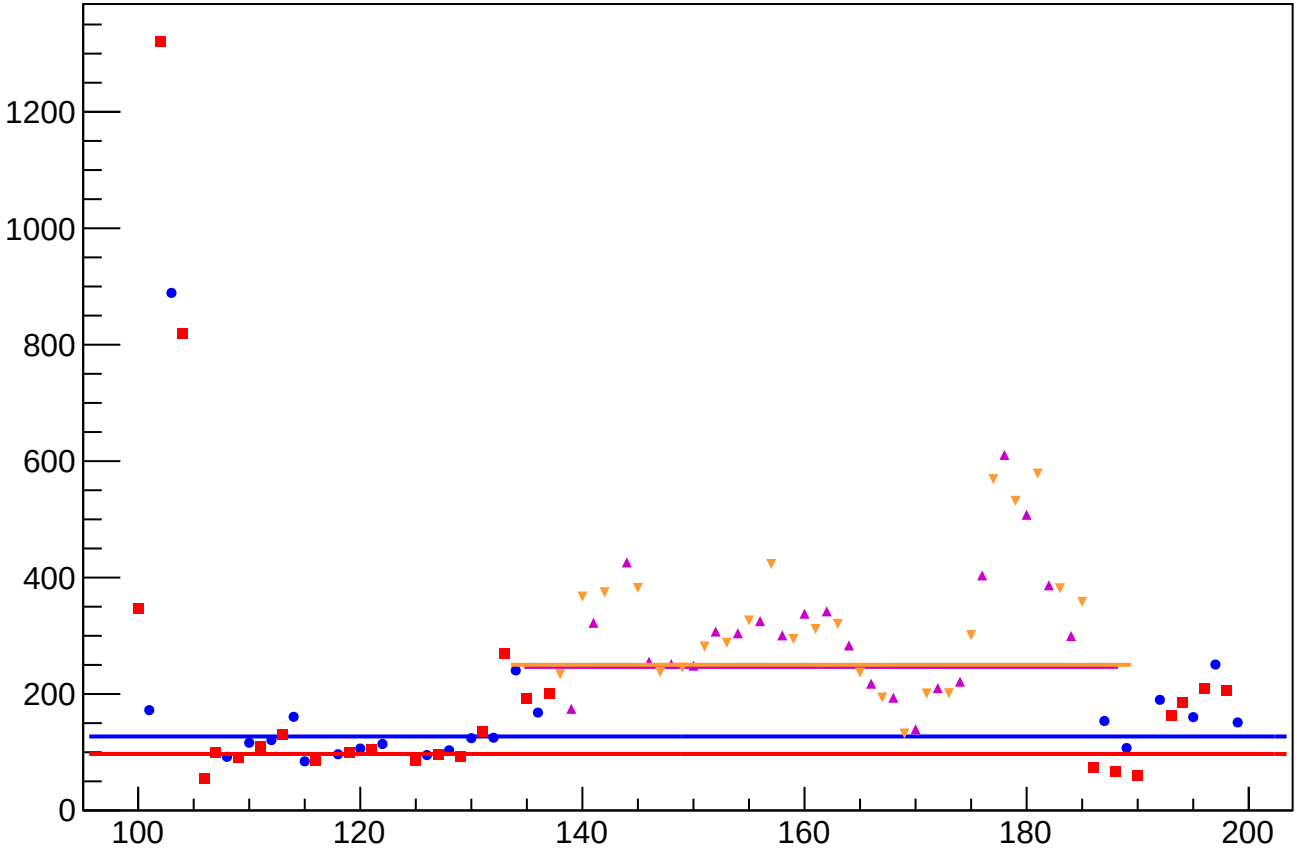
Right: 0.023+/-0.025 χ^2/NDF: 50.0/46

In: 0.059+/-0.034 χ^2/NDF:41.2/44

Out: 0.003+/-0.029 χ^2/NDF:64.8/48

All: 0.026+/-0.022 χ^2/NDF: 107.6/93

asym_us_avg_atlr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 127.080+/-0.029 χ^2/NDF: 2429813.2/21

Left Out: 250.248+/-0.045 χ^2/NDF:4353323.9/23

Right Out: 97.022+/-0.023 χ^2/NDF: 4818697.7/24

Left In: 246.632+/-0.044 χ^2/NDF:3773144.3/22

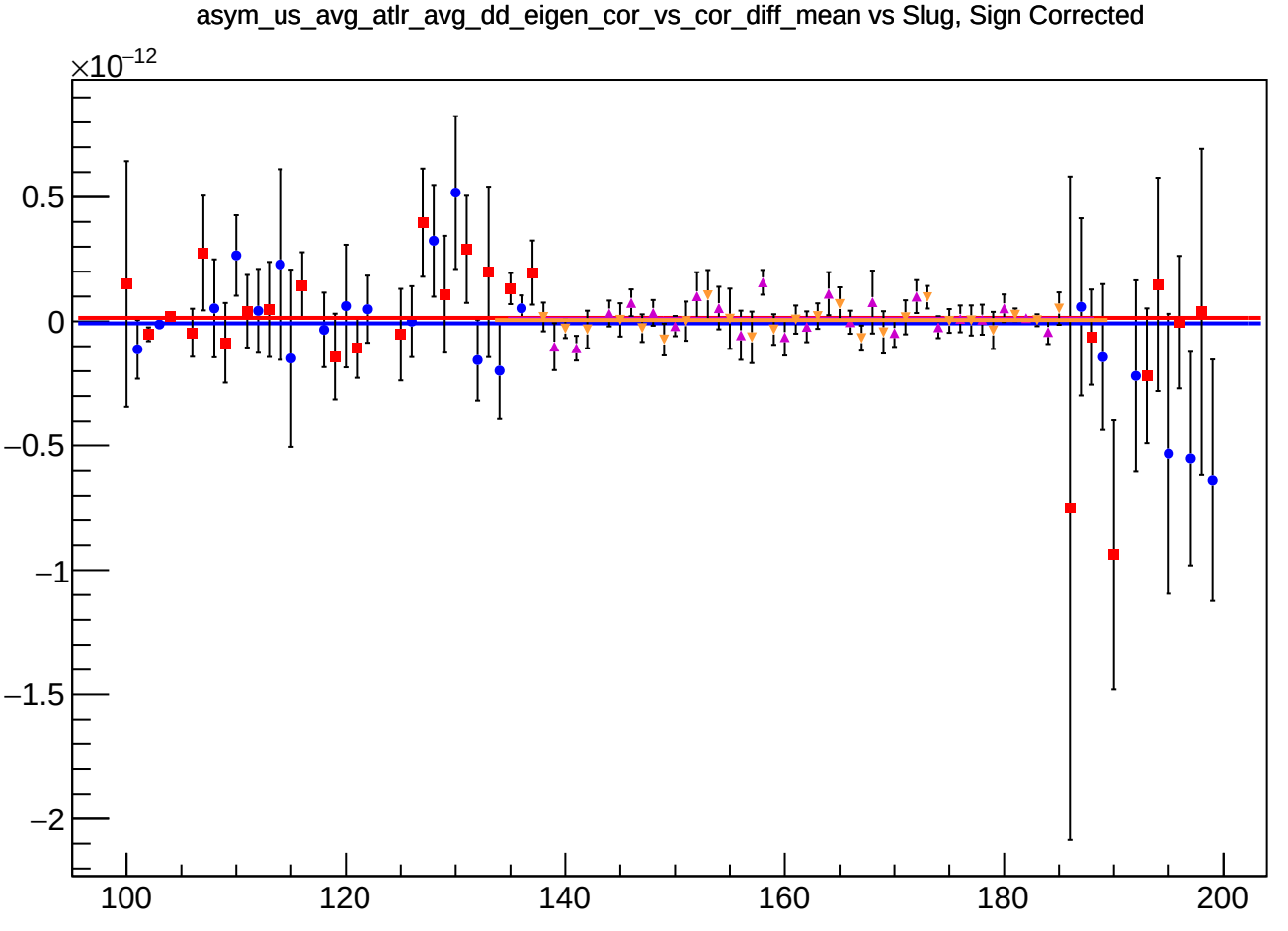
Left: 248.411+/-0.031 χ^2/NDF: 8129814.5/46

Right: 108.595+/-0.018 χ^2/NDF: 7908906.3/46

In: 163.471+/-0.024 χ^2/NDF:11373870.3/44

Out: 129.155+/-0.020 χ^2/NDF:18519249.5/48

All: 143.418+/-0.016 χ^2/NDF: 31068893.5/93



Right In: -0.000+/-0.000 χ^2/NDF: 17.7/21

Left Out: 0.000+/-0.000 χ^2/NDF:13.8/23

Right Out: 0.000+/-0.000 χ^2/NDF: 26.3/24

Left In: 0.000+/-0.000 χ^2/NDF:27.9/22

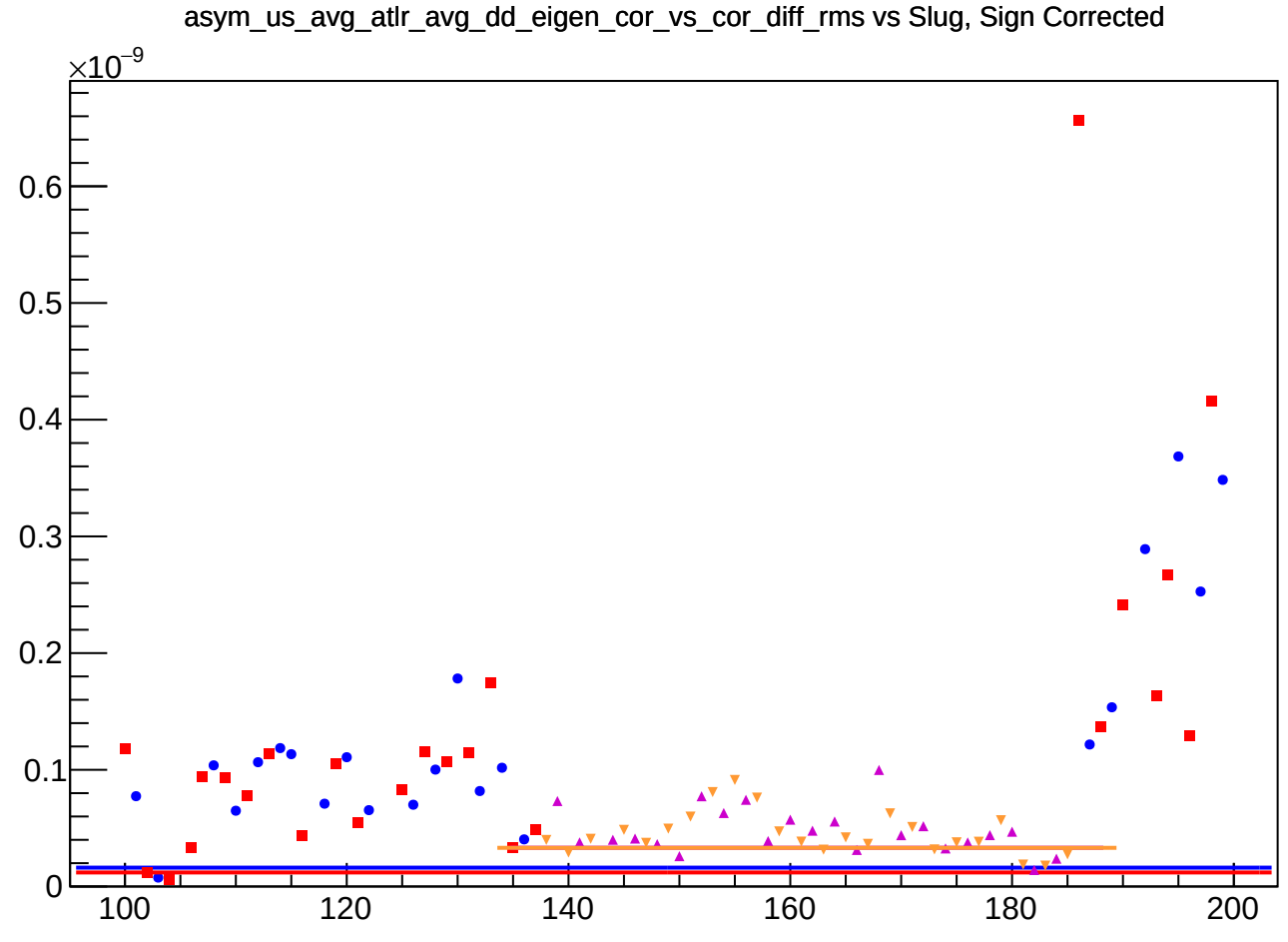
Left: 0.000+/-0.000 χ^2/NDF: 41.8/46

Right: 0.000+/-0.000 χ^2/NDF: 46.0/46

In: 0.000+/-0.000 χ^2/NDF:46.9/44

Out: 0.000+/-0.000 χ^2/NDF:40.5/48

All: 0.000+/-0.000 χ^2/NDF: 87.9/93



Right In: 0.000+/-0.000 χ^2/NDF: 9866214.2/21

Left Out: 0.000+/-0.000 χ^2/NDF:4025318.1/23

Right Out: 0.000+/-0.000 χ^2/NDF: 10042341.4/24

Left In: 0.000+/-0.000 χ^2/NDF:5018453.7/22

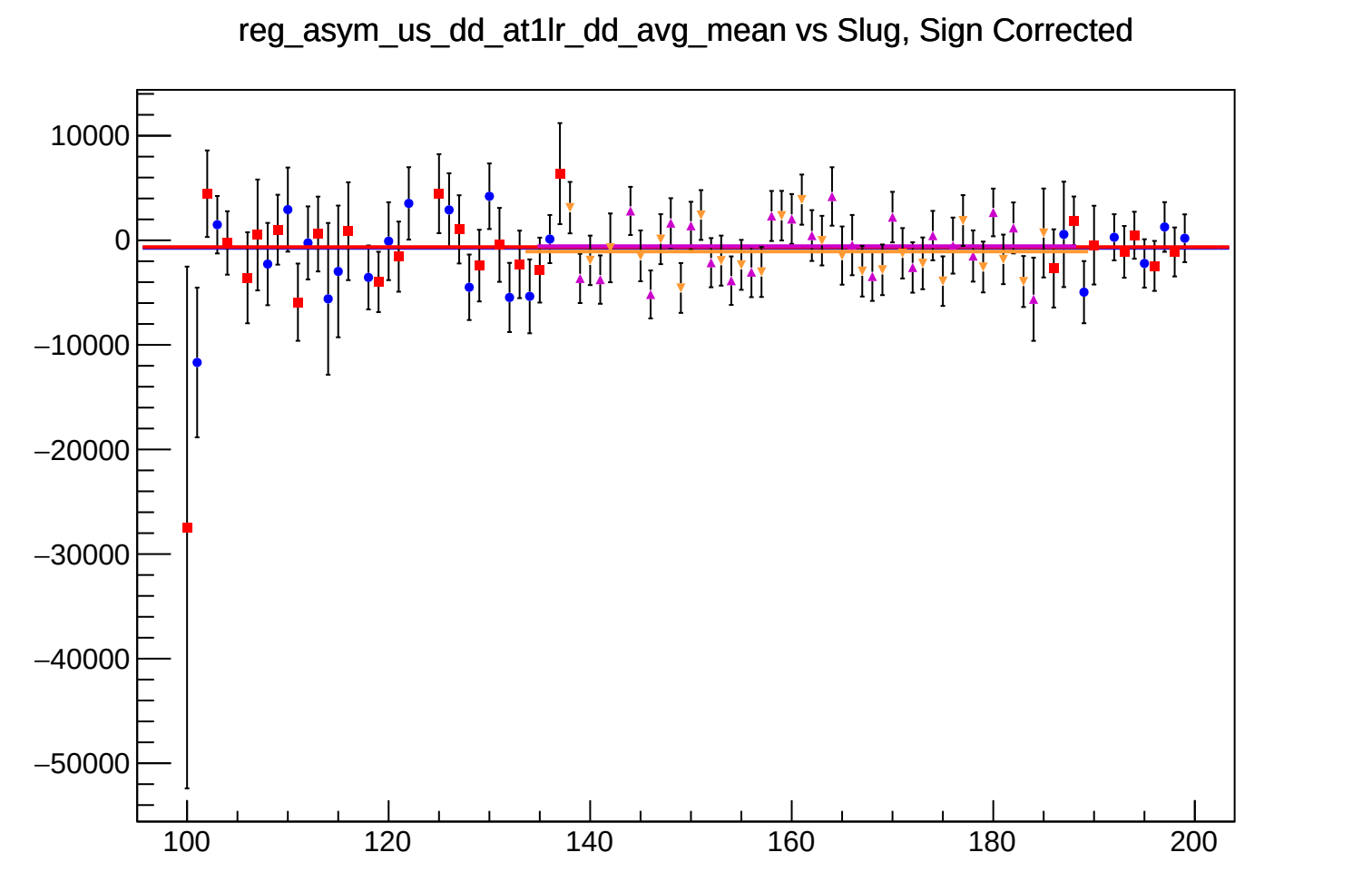
Left: 0.000+/-0.000 χ^2/NDF: 9043794.9/46

Right: 0.000+/-0.000 χ^2/NDF: 20043925.0/46

In: 0.000+/-0.000 χ^2/NDF:17085283.4/44

Out: 0.000+/-0.000 χ^2/NDF:18389525.5/48

All: 0.000+/-0.000 χ^2/NDF: 35777712.2/93



Right In: -727.412+/-670.015 χ^2/NDF: 19.5/21

Left Out: -1072.863+/-505.534 χ^2/NDF:21.6/23

Right Out: -645.944+/-649.530 χ^2/NDF: 14.7/24

Left In: -557.052+/-509.208 χ^2/NDF:28.7/22

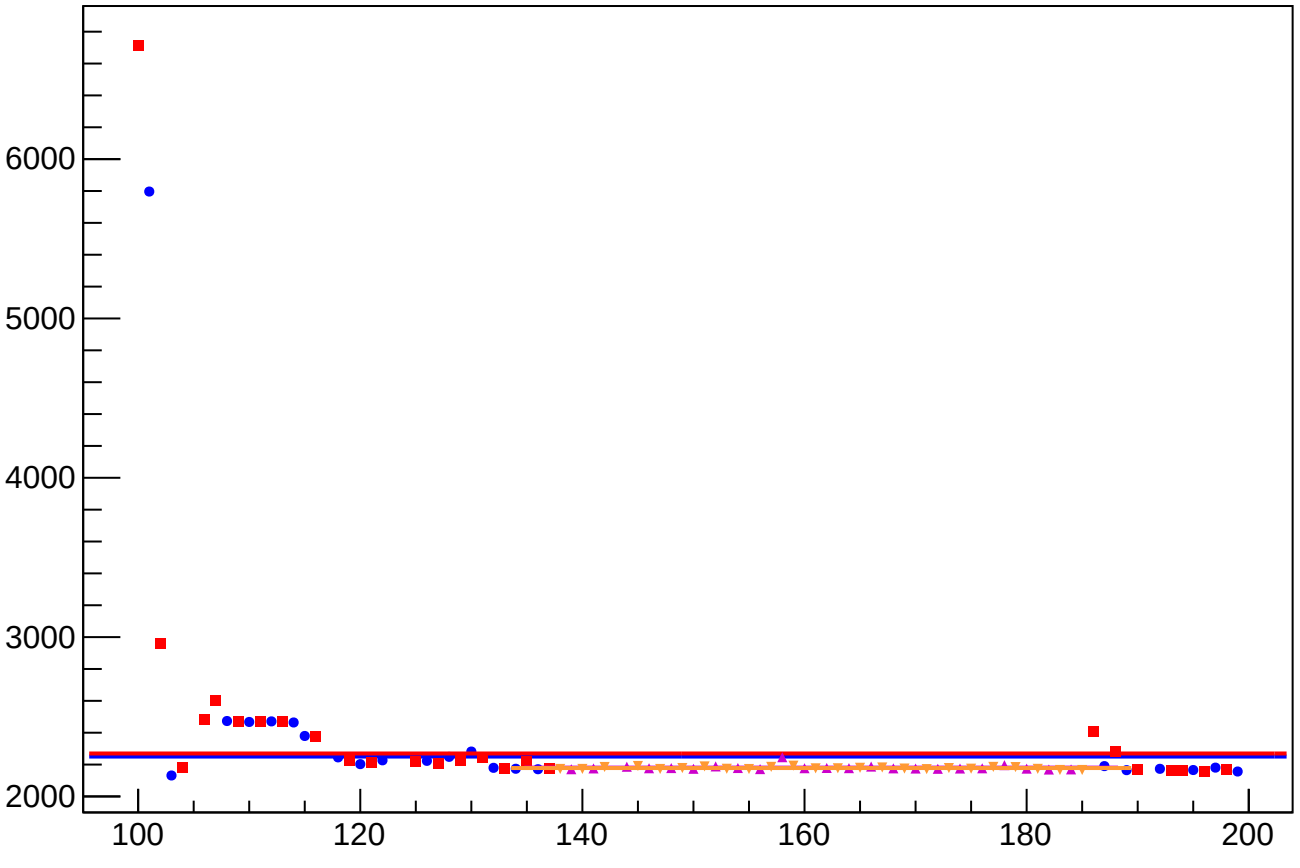
Left: -816.825+/-358.759 χ^2/NDF: 50.8/46

Right: -685.414+/-466.361 χ^2/NDF: 34.2/46

In: -619.425+/-405.413 χ^2/NDF:48.2/44

Out: -911.811+/-398.942 χ^2/NDF:36.5/48

All: -767.970+/-284.355 χ^2/NDF: 85.0/93



Right In: 2250.317+/-0.474 χ^2/NDF: 534609.5/21

Left Out: 2178.244+/-0.357 χ^2/NDF:389.1/23

Right Out: 2269.577+/-0.459 χ^2/NDF: 179584.1/24

Left In: 2180.919+/-0.360 χ^2/NDF:1866.2/22

Left: 2179.572+/-0.254 χ^2/NDF: 2283.2/46

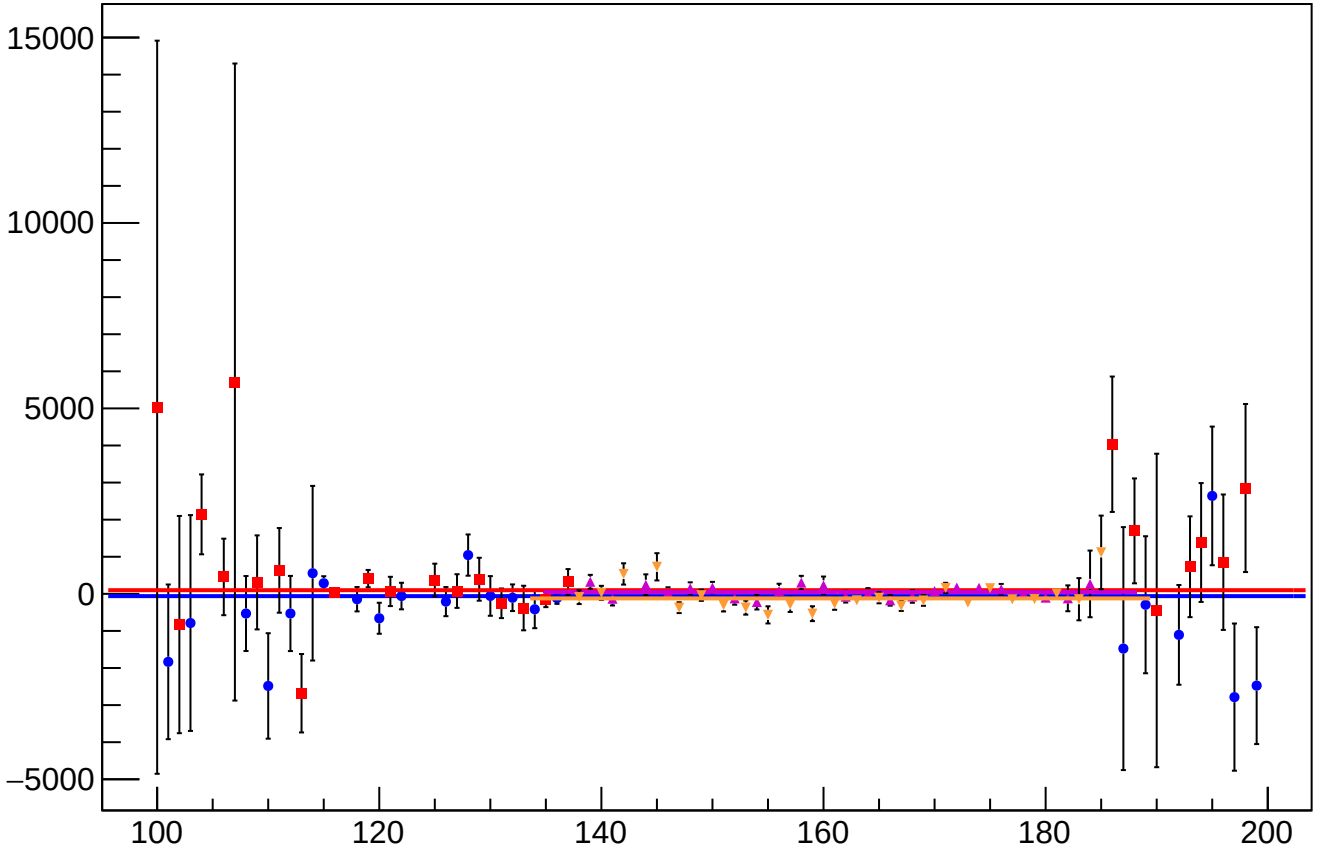
Right: 2260.246+/-0.330 χ^2/NDF: 715045.6/46

In: 2206.327+/-0.287 χ^2/NDF:550076.3/44

Out: 2212.699+/-0.282 χ^2/NDF:204600.0/48

All: 2209.564+/-0.201 χ^2/NDF: 754927.3/93

asym_us_dd_at1lr_dd_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -61.712+/-90.215 χ^2/NDF: 21.5/21

Left Out: -123.007+/-31.408 χ^2/NDF:43.8/23

Right Out: 98.338+/-81.753 χ^2/NDF: 26.2/24

Left In: 50.317+/-32.545 χ^2/NDF:18.2/22

Left: -39.426+/-22.600 χ^2/NDF: 76.7/46

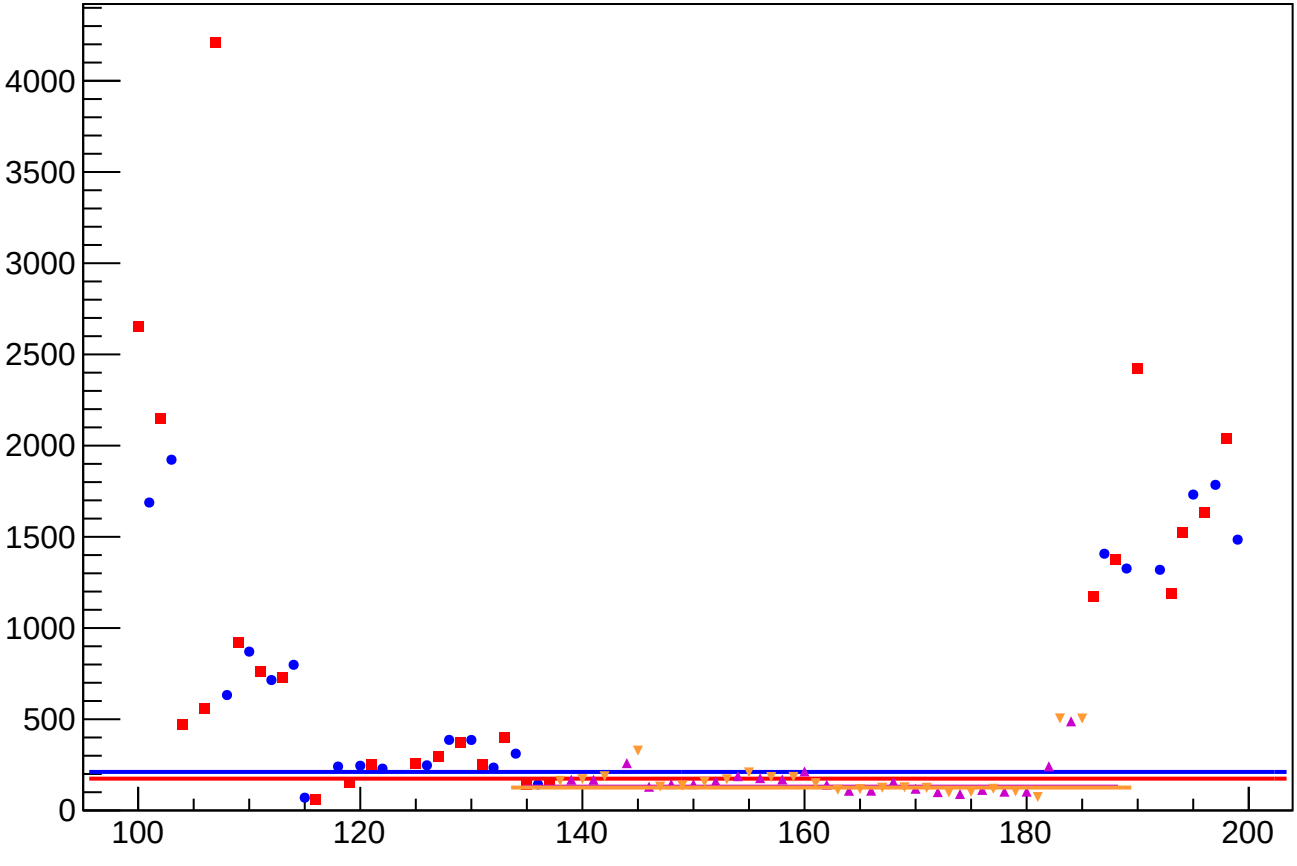
Right: 26.170+/-60.579 χ^2/NDF: 49.4/46

In: 37.416+/-30.614 χ^2/NDF:41.1/44

Out: -94.540+/-29.319 χ^2/NDF:76.4/48

All: -31.412+/-21.175 χ^2/NDF: 127.2/93

asym_us_dd_at1lr_dd_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 211.206+/-0.064 χ^2/NDF: 11400274.2/21

Left Out: 125.506+/-0.022 χ^2/NDF:3942746.1/23

Right Out: 174.367+/-0.058 χ^2/NDF: 14037699.3/24

Left In: 130.436+/-0.023 χ^2/NDF:2679692.6/22

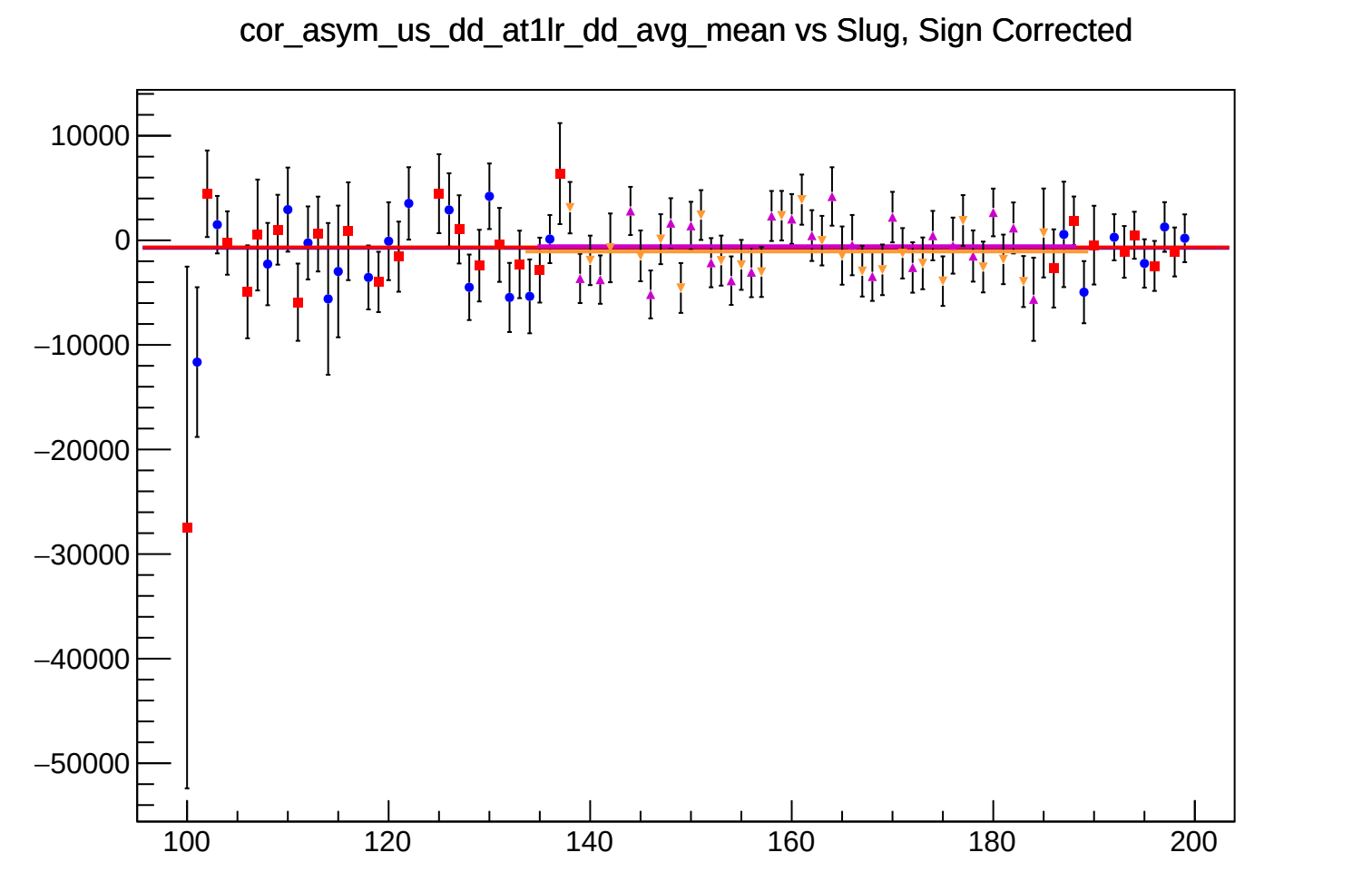
Left: 127.884+/-0.016 χ^2/NDF: 6646201.0/46

Right: 190.978+/-0.043 χ^2/NDF: 25621085.4/46

In: 139.737+/-0.022 χ^2/NDF:15498473.9/44

Out: 131.790+/-0.021 χ^2/NDF:18602966.9/48

All: 135.592+/-0.015 χ^2/NDF: 34171731.6/93



Right In: -726.841+/-670.016 χ^2/NDF: 19.5/21

Left Out: -1072.795+/-505.534 χ^2/NDF:21.6/23

Right Out: -672.127+/-649.831 χ^2/NDF: 15.2/24

Left In: -557.079+/-509.208 χ^2/NDF:28.7/22

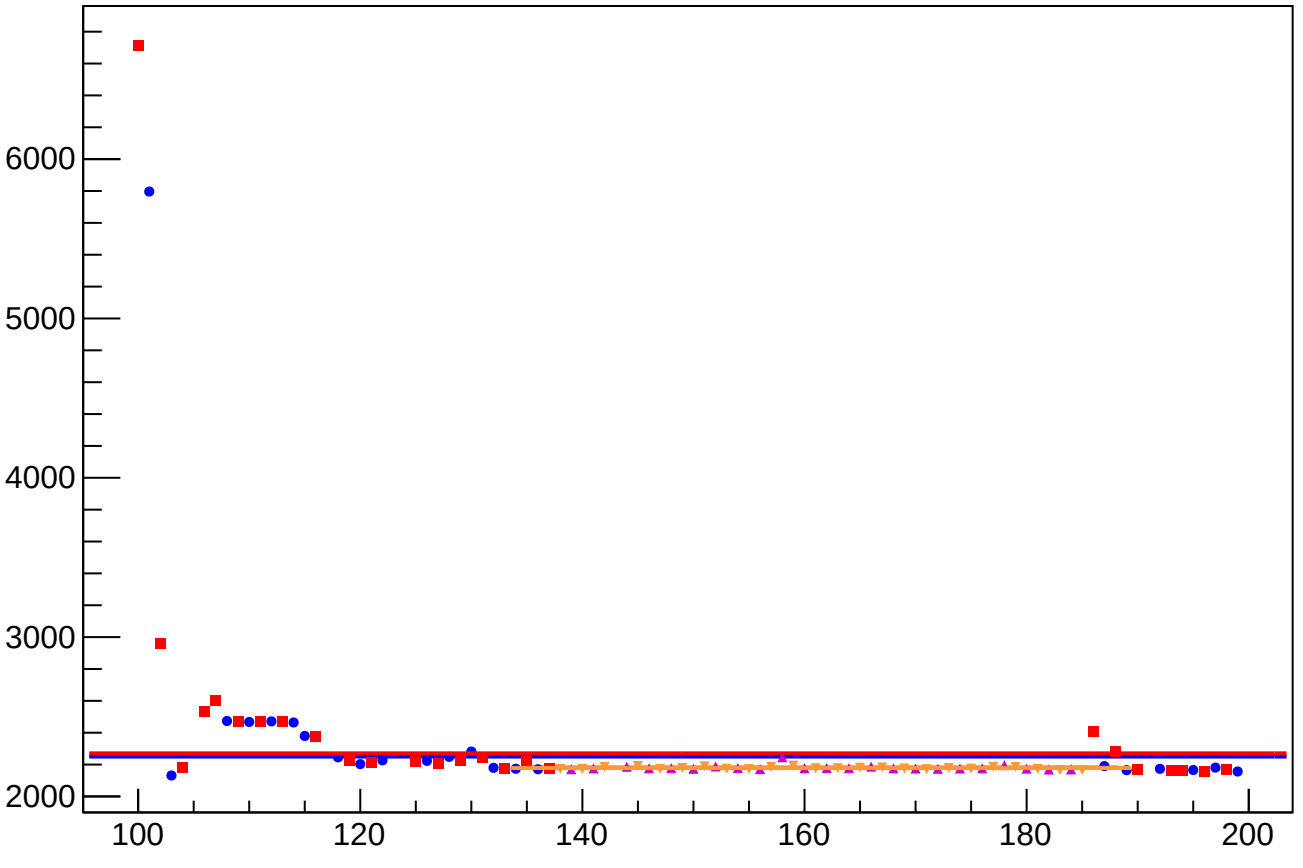
Left: -816.804+/-358.759 χ^2/NDF: 50.8/46

Right: -698.648+/-466.472 χ^2/NDF: 34.6/46

In: -619.233+/-405.413 χ^2/NDF:48.2/44

Out: -921.733+/-399.012 χ^2/NDF:37.0/48

All: -772.890+/-284.380 χ^2/NDF: 85.5/93



Right In: 2250.317+/-0.474 χ^2/NDF: 534609.8/21

Left Out: 2178.244+/-0.357 χ^2/NDF:389.1/23

Right Out: 2270.463+/-0.459 χ^2/NDF: 181840.2/24

Left In: 2180.919+/-0.360 χ^2/NDF:1866.2/22

Left: 2179.572+/-0.254 χ^2/NDF: 2283.1/46

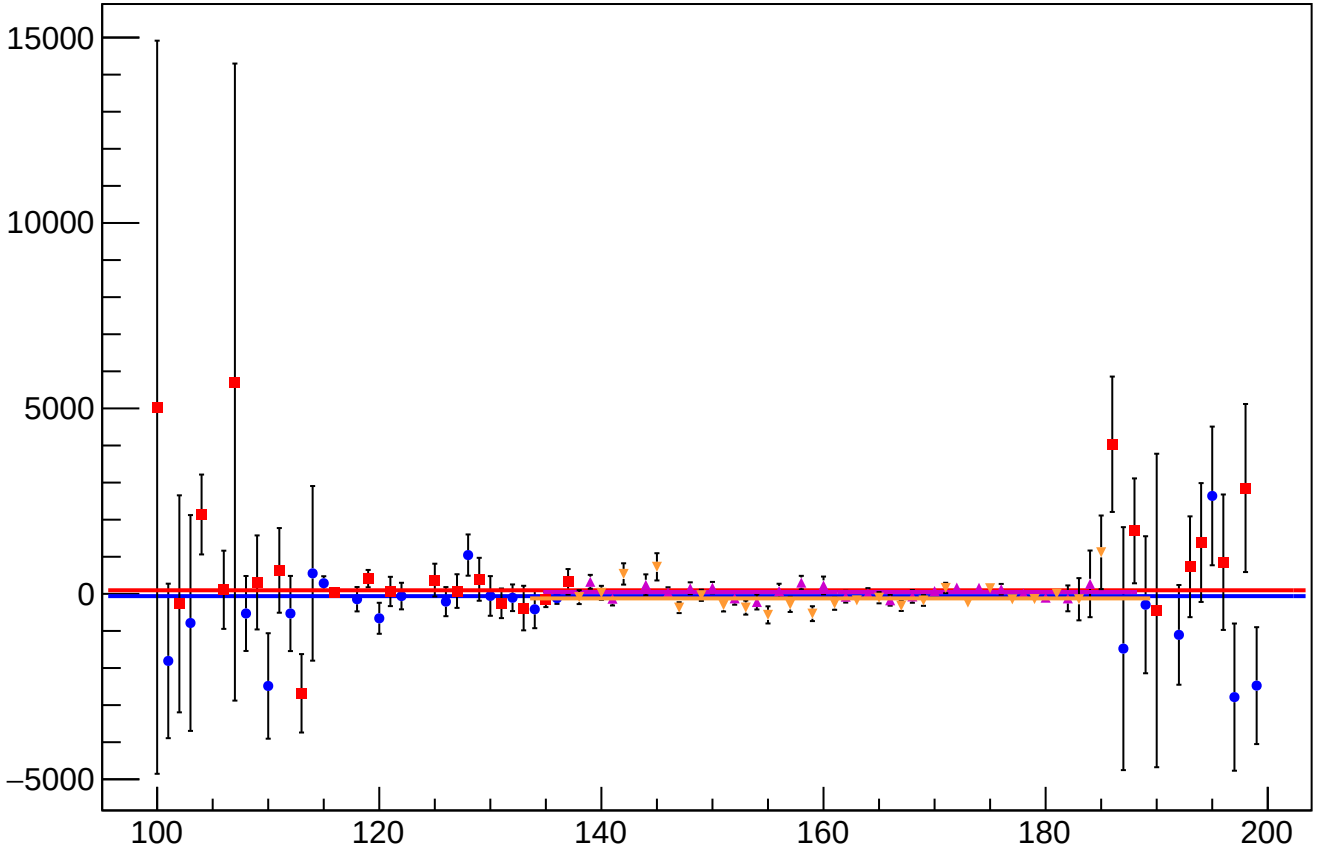
Right: 2260.698+/-0.330 χ^2/NDF: 717381.8/46

In: 2206.327+/-0.287 χ^2/NDF:550076.7/44

Out: 2213.013+/-0.282 χ^2/NDF:207321.7/48

All: 2209.723+/-0.201 χ^2/NDF: 757674.7/93

asym_us_dd_at1lr_dd_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -61.746+/-90.221 χ^2/NDF: 21.5/21

Left Out: -122.928+/-31.408 χ^2/NDF:43.8/23

Right Out: 96.333+/-81.693 χ^2/NDF: 26.0/24

Left In: 50.209+/-32.548 χ^2/NDF:18.3/22

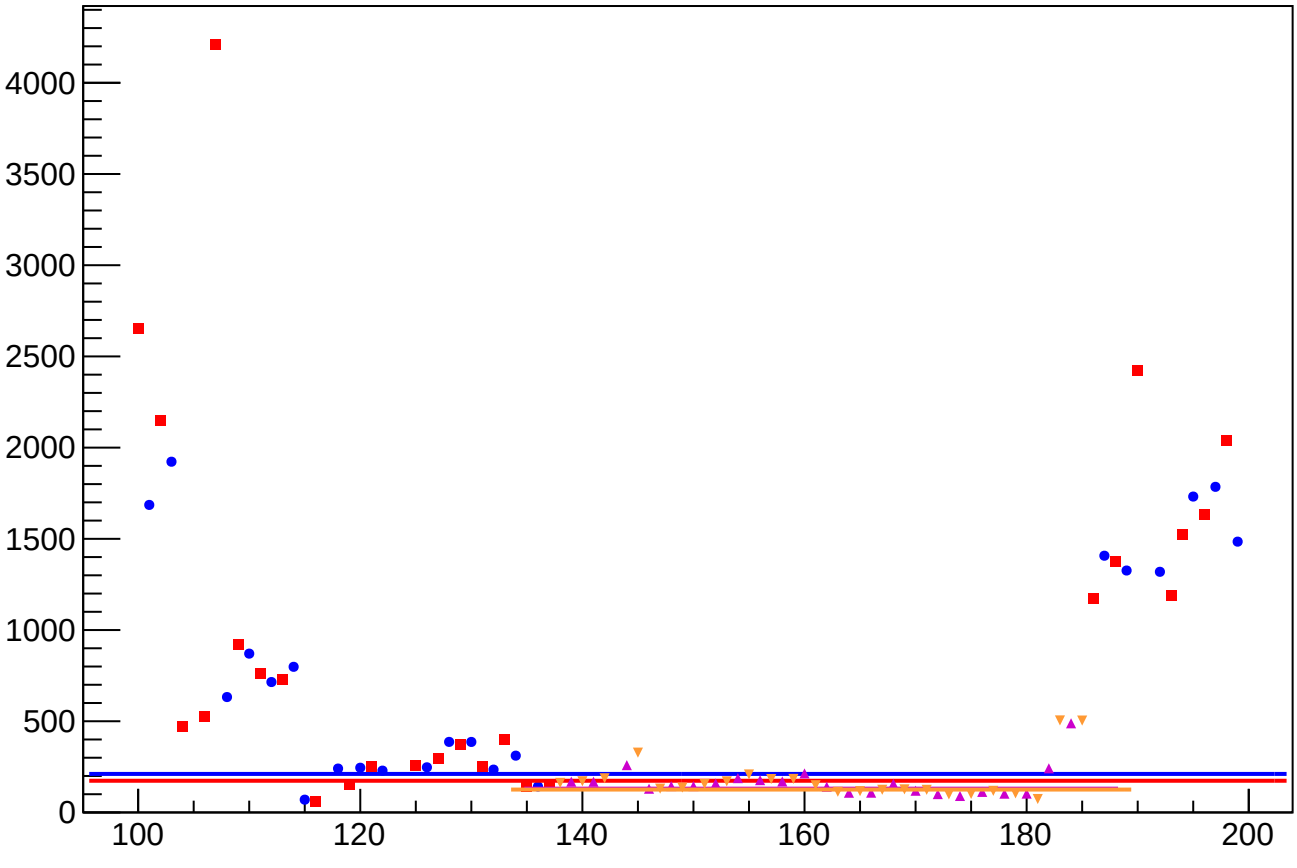
Left: -39.445+/-22.601 χ^2/NDF: 76.7/46

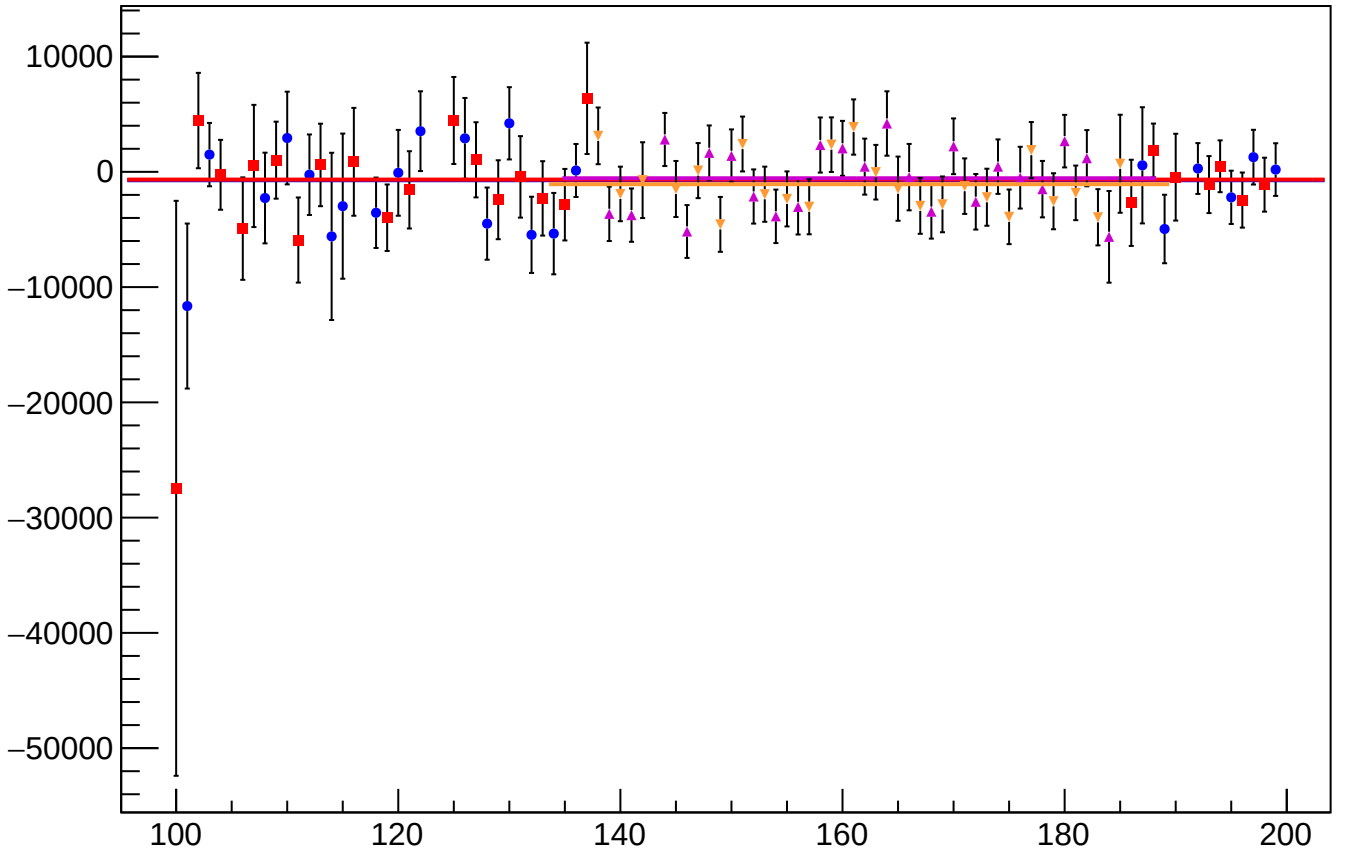
Right: 25.116+/-60.557 χ^2/NDF: 49.2/46

In: 37.317+/-30.617 χ^2/NDF:41.1/44

Out: -94.692+/-29.316 χ^2/NDF:76.0/48

All: -31.551+/-21.174 χ^2/NDF: 126.9/93


asym_us_dd_at1lr_dd_avg_cor_correction_rms vs Slug, Sign Corrected
4000
3500
3000
2500
2000
1500
1000
500
0
100
120
140
160
180
200
Right In: 211.232+/-0.064 χ²/NDF: 11398910.6/21
Left Out: 125.503+/-0.022 χ²/NDF:3943570.9/23
Right Out: 173.791+/-0.058 χ²/NDF: 13998653.4/24
Left In: 130.451+/-0.023 χ²/NDF:2679365.4/22
Left: 127.889+/-0.016 χ²/NDF: 6646874.7/46
Right: 190.659+/-0.043 χ²/NDF: 25586826.5/46
In: 139.754+/-0.022 χ²/NDF:15497006.4/44
Out: 131.721+/-0.021 χ²/NDF:18551031.5/48
All: 135.563+/-0.015 χ²/NDF: 34119858.7/93



Right In: -726.841+/-670.016 χ^2/NDF: 19.5/21

Left Out: -1072.795+/-505.534 χ^2/NDF:21.6/23

Right Out: -672.127+/-649.831 χ^2/NDF: 15.2/24

Left In: -557.079+/-509.208 χ^2/NDF:28.7/22

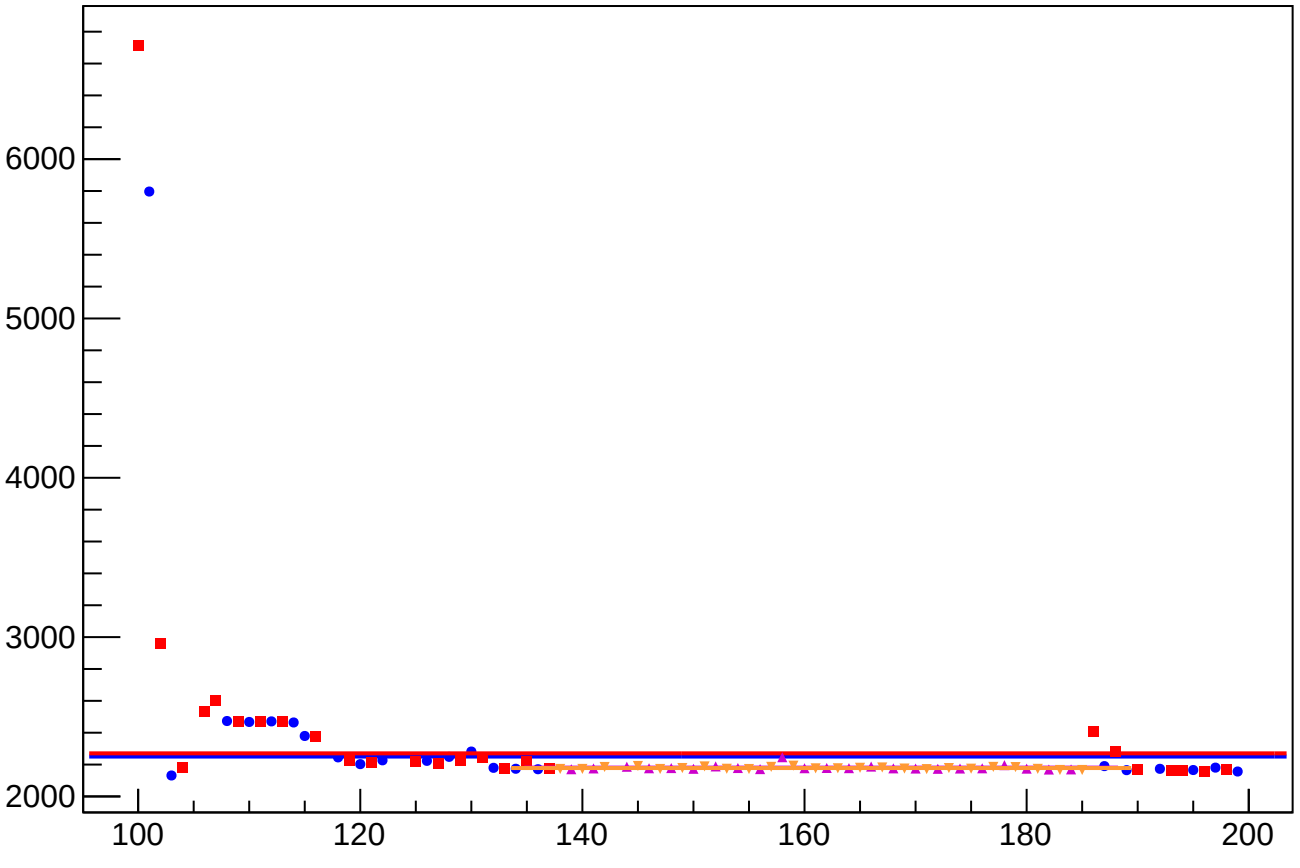
Left: -816.804+/-358.759 χ^2/NDF: 50.8/46

Right: -698.648+/-466.472 χ^2/NDF: 34.6/46

In: -619.233+/-405.413 χ^2/NDF:48.2/44

Out: -921.733+/-399.012 χ^2/NDF:37.0/48

All: -772.890+/-284.380 χ^2/NDF: 85.5/93



Right In: 2250.317+/-0.474 χ^2/NDF: 534609.8/21

Left Out: 2178.244+/-0.357 χ^2/NDF:389.1/23

Right Out: 2270.463+/-0.459 χ^2/NDF: 181840.2/24

Left In: 2180.919+/-0.360 χ^2/NDF:1866.2/22

Left: 2179.572+/-0.254 χ^2/NDF: 2283.1/46

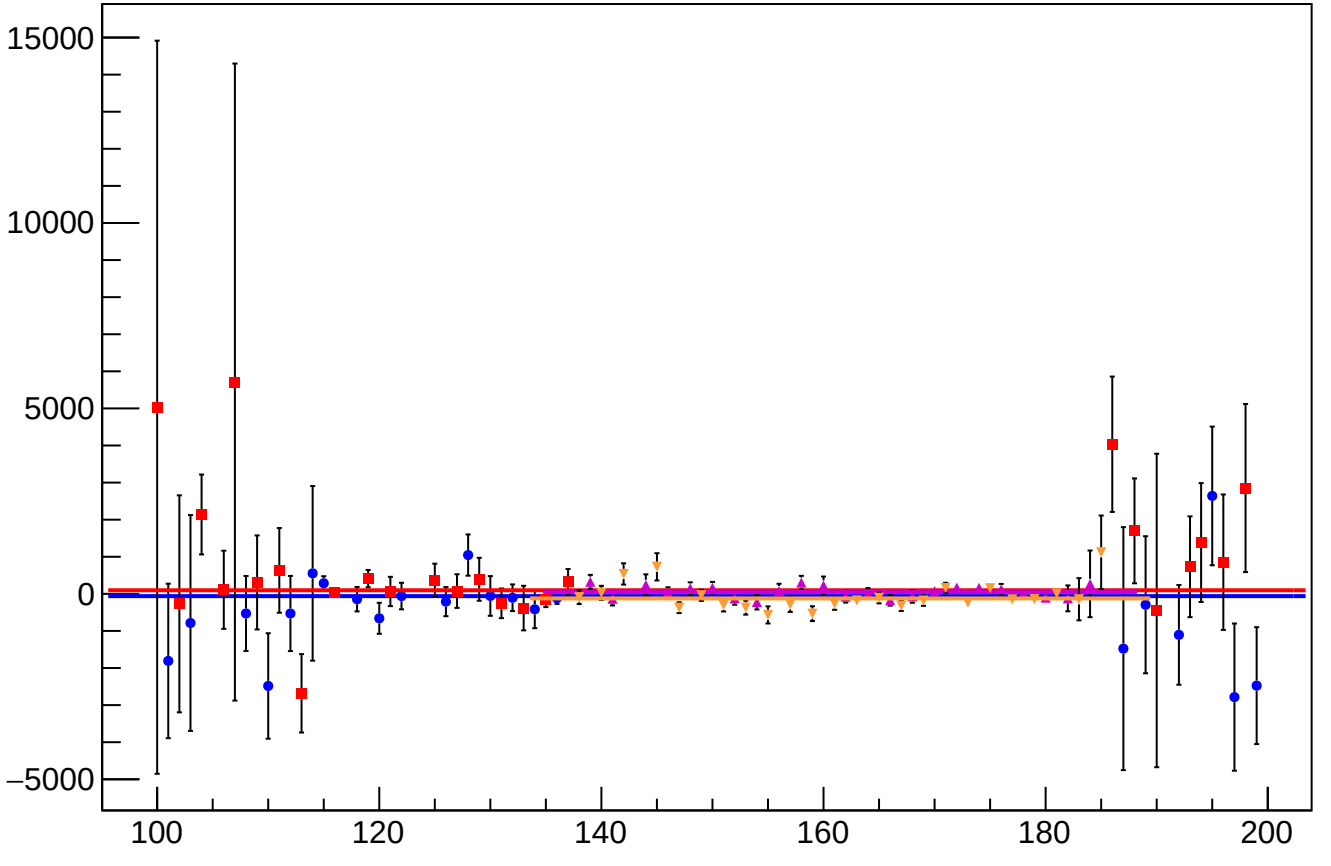
Right: 2260.698+/-0.330 χ^2/NDF: 717381.8/46

In: 2206.327+/-0.287 χ^2/NDF:550076.7/44

Out: 2213.013+/-0.282 χ^2/NDF:207321.7/48

All: 2209.723+/-0.201 χ^2/NDF: 757674.7/93

asym_us_dd_at1lr_dd_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -61.746+/-90.221 χ^2/NDF: 21.5/21

Left Out: -122.928+/-31.408 χ^2/NDF:43.8/23

Right Out: 96.333+/-81.693 χ^2/NDF: 26.0/24

Left In: 50.209+/-32.548 χ^2/NDF:18.3/22

Left: -39.445+/-22.601 χ^2/NDF: 76.7/46

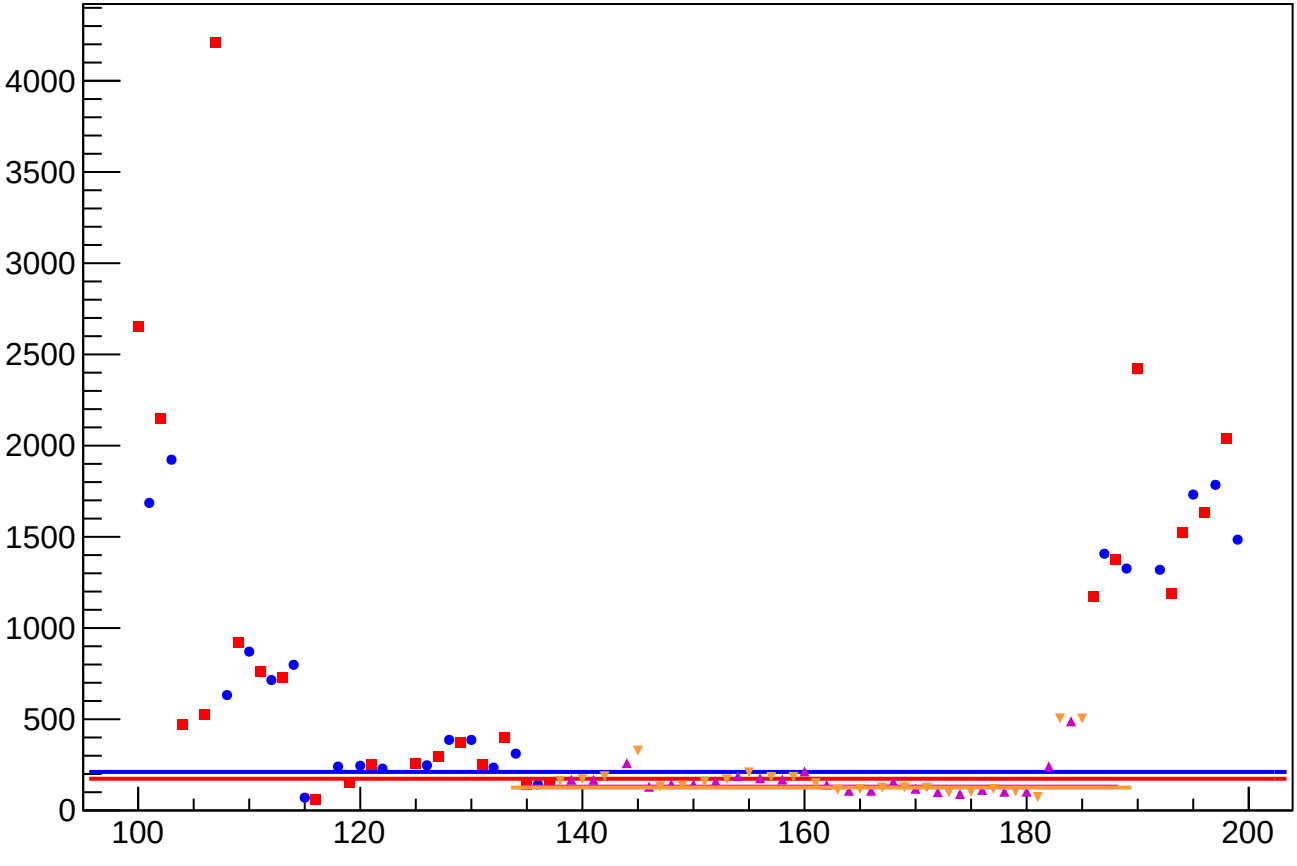
Right: 25.116+/-60.557 χ^2/NDF: 49.2/46

In: 37.317+/-30.617 χ^2/NDF:41.1/44

Out: -94.692+/-29.316 χ^2/NDF:76.0/48

All: -31.551+/-21.174 χ^2/NDF: 126.9/93

asym_us_dd_at1lr_dd_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 211.232+/-0.064 χ^2/NDF: 11398910.6/21

Left Out: 125.503+/-0.022 χ^2/NDF:3943570.9/23

Right Out: 173.791+/-0.058 χ^2/NDF: 13998653.4/24

Left In: 130.451+/-0.023 χ^2/NDF:2679365.4/22

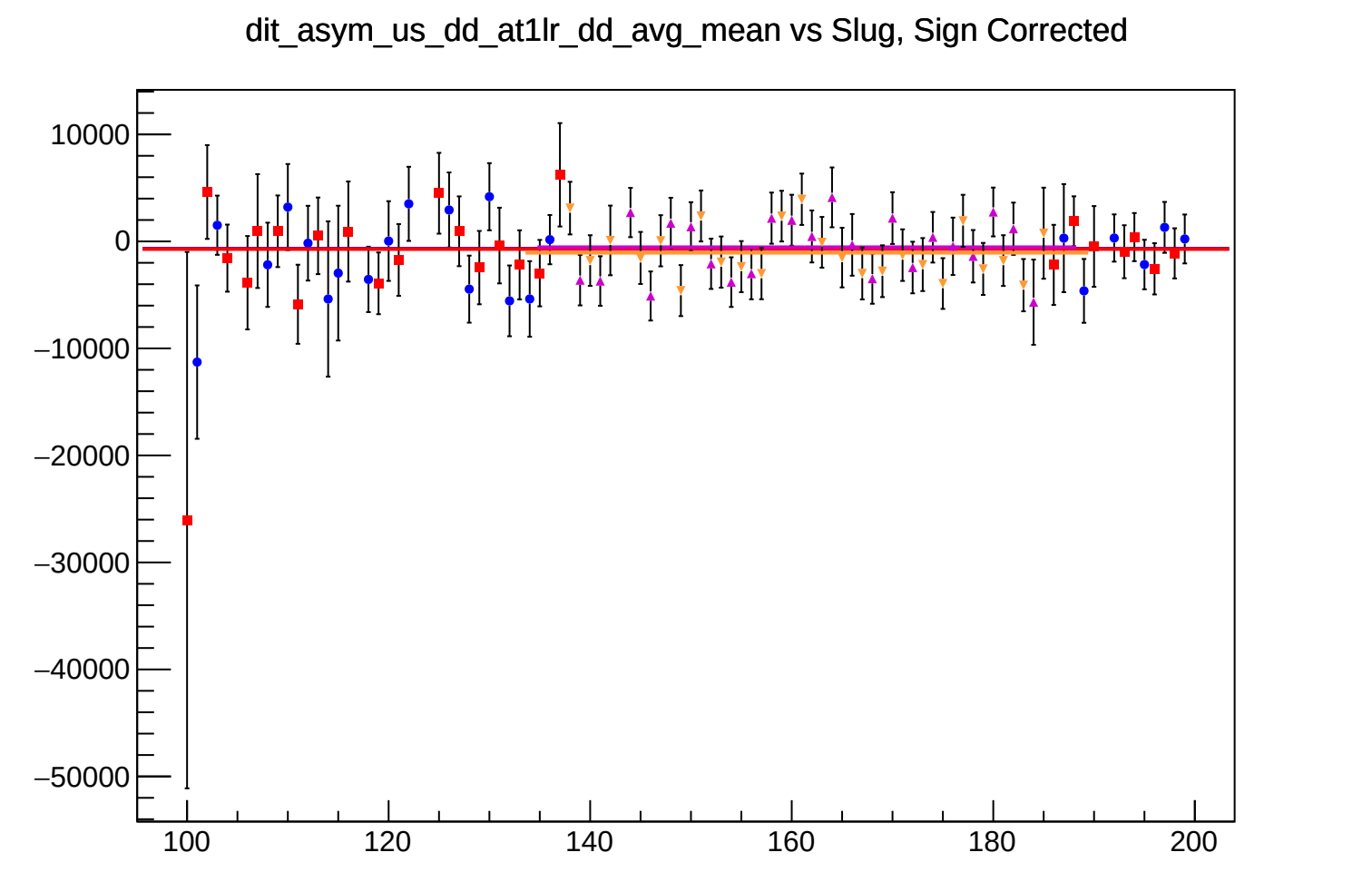
Left: 127.889+/-0.016 χ^2/NDF: 6646874.7/46

Right: 190.659+/-0.043 χ^2/NDF: 25586826.5/46

In: 139.754+/-0.022 χ^2/NDF:15497006.4/44

Out: 131.721+/-0.021 χ^2/NDF:18551031.5/48

All: 135.563+/-0.015 χ^2/NDF: 34119858.7/93



Right In: -679.974+/-670.847 χ^2/NDF: 19.1/21

Left Out: -1062.372+/-505.627 χ^2/NDF:21.9/23

Right Out: -712.560+/-651.934 χ^2/NDF: 14.5/24

Left In: -544.260+/-509.433 χ^2/NDF:27.9/22

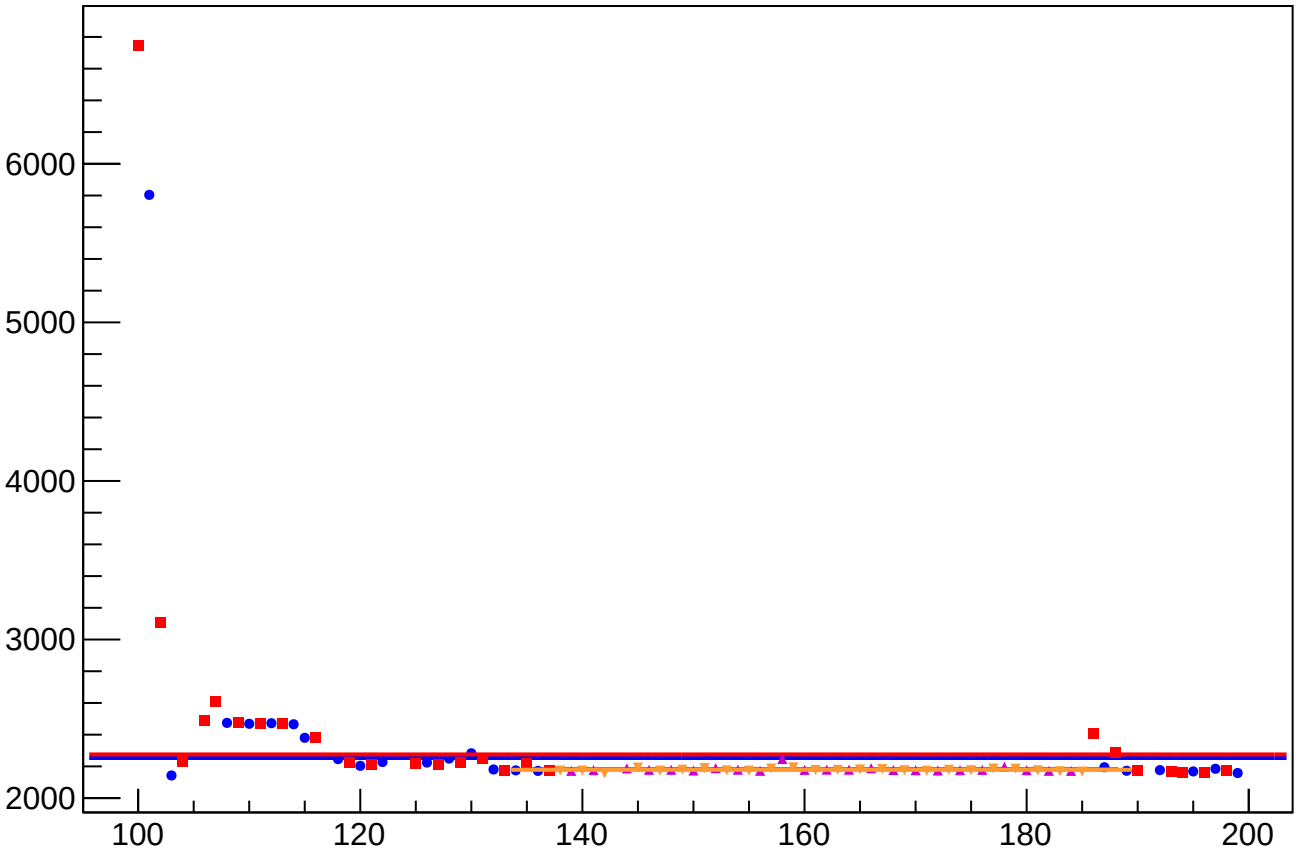
Left: -805.259+/-358.870 χ^2/NDF: 50.3/46

Right: -696.733+/-467.530 χ^2/NDF: 33.6/46

In: -593.898+/-405.711 χ^2/NDF:47.0/44

Out: -930.985+/-399.543 χ^2/NDF:36.5/48

All: -765.023+/-284.675 χ^2/NDF: 83.9/93



Right In: 2252.976+/-0.474 χ^2/NDF: 533793.0/21

Left Out: 2178.503+/-0.358 χ^2/NDF:456.1/23

Right Out: 2275.402+/-0.461 χ^2/NDF: 196847.4/24

Left In: 2181.882+/-0.360 χ^2/NDF:1838.2/22

Left: 2180.180+/-0.254 χ^2/NDF: 2338.6/46

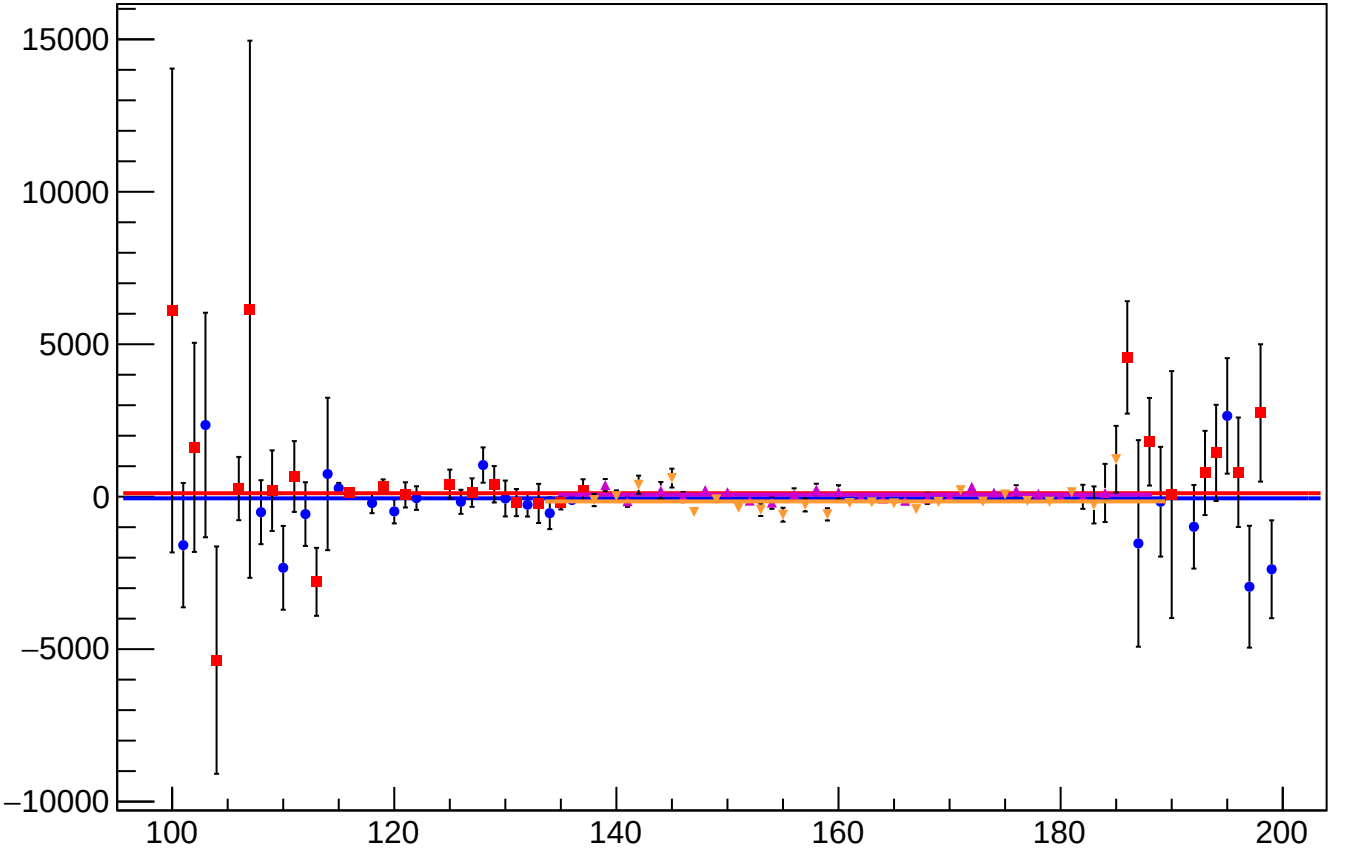
Right: 2264.510+/-0.331 χ^2/NDF: 731789.8/46

In: 2207.885+/-0.287 χ^2/NDF:549877.6/44

Out: 2214.898+/-0.283 χ^2/NDF:224892.1/48

All: 2211.445+/-0.201 χ^2/NDF: 775073.1/93

asym_us_dd_at1lr_dd_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -53.236+/-91.690 χ^2/NDF: 21.0/21

Left Out: -154.725+/-34.061 χ^2/NDF:47.3/23

Right Out: 114.086+/-85.372 χ^2/NDF: 24.7/24

Left In: 70.142+/-34.204 χ^2/NDF:18.9/22

Left: -42.765+/-24.135 χ^2/NDF: 87.9/46

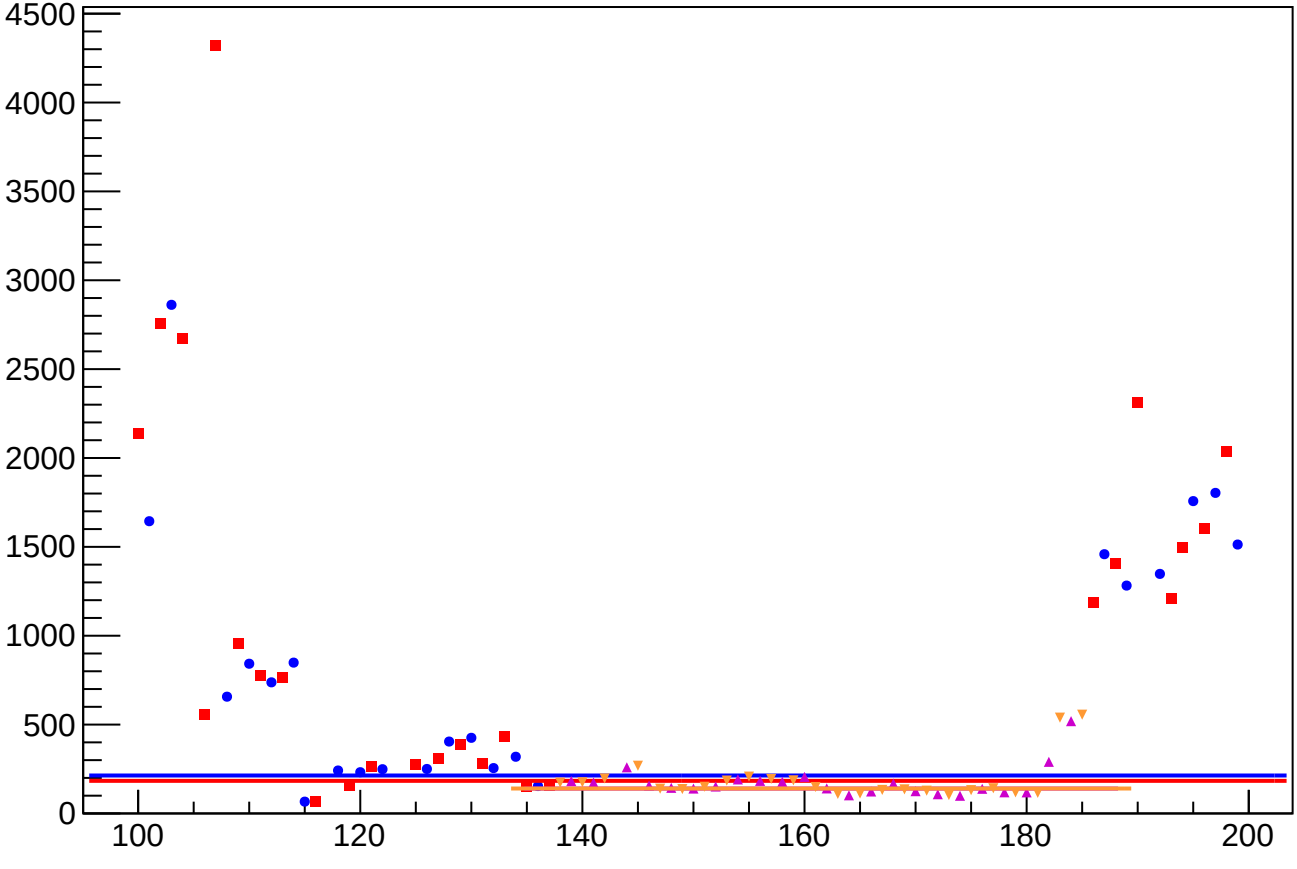
Right: 36.388+/-62.481 χ^2/NDF: 47.5/46

In: 55.069+/-32.047 χ^2/NDF:41.5/44

Out: -117.812+/-31.636 χ^2/NDF:80.6/48

All: -32.488+/-22.514 χ^2/NDF: 136.8/93

asym_us_dd_at1lr_dd_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 213.535+/-0.065 χ^2/NDF: 11965029.8/21

Left Out: 140.319+/-0.024 χ^2/NDF:2760284.0/23

Right Out: 183.511+/-0.060 χ^2/NDF: 14874028.6/24

Left In: 139.979+/-0.024 χ^2/NDF:2412455.4/22

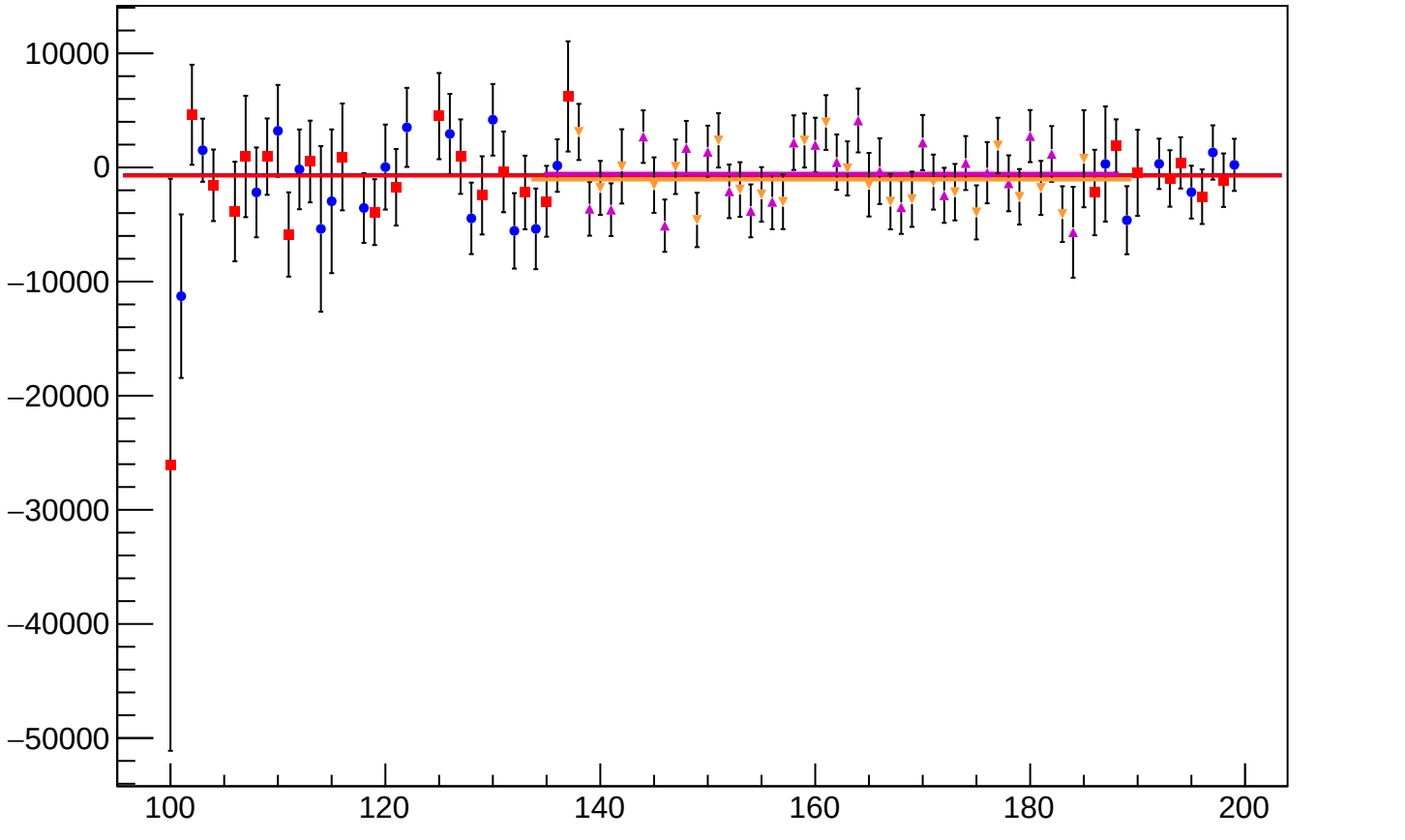
Left: 140.149+/-0.017 χ^2/NDF: 5172838.7/46

Right: 197.453+/-0.044 χ^2/NDF: 26953925.0/46

In: 148.964+/-0.023 χ^2/NDF:15507410.8/44

Out: 146.250+/-0.022 χ^2/NDF:18075959.4/48

All: 147.590+/-0.016 χ^2/NDF: 33590638.3/93



Right In: -679.975+/-670.847 χ^2/NDF: 19.1/21

Left Out: -1062.373+/-505.627 χ^2/NDF:21.9/23

Right Out: -712.559+/-651.934 χ^2/NDF: 14.5/24

Left In: -544.259+/-509.433 χ^2/NDF:27.9/22

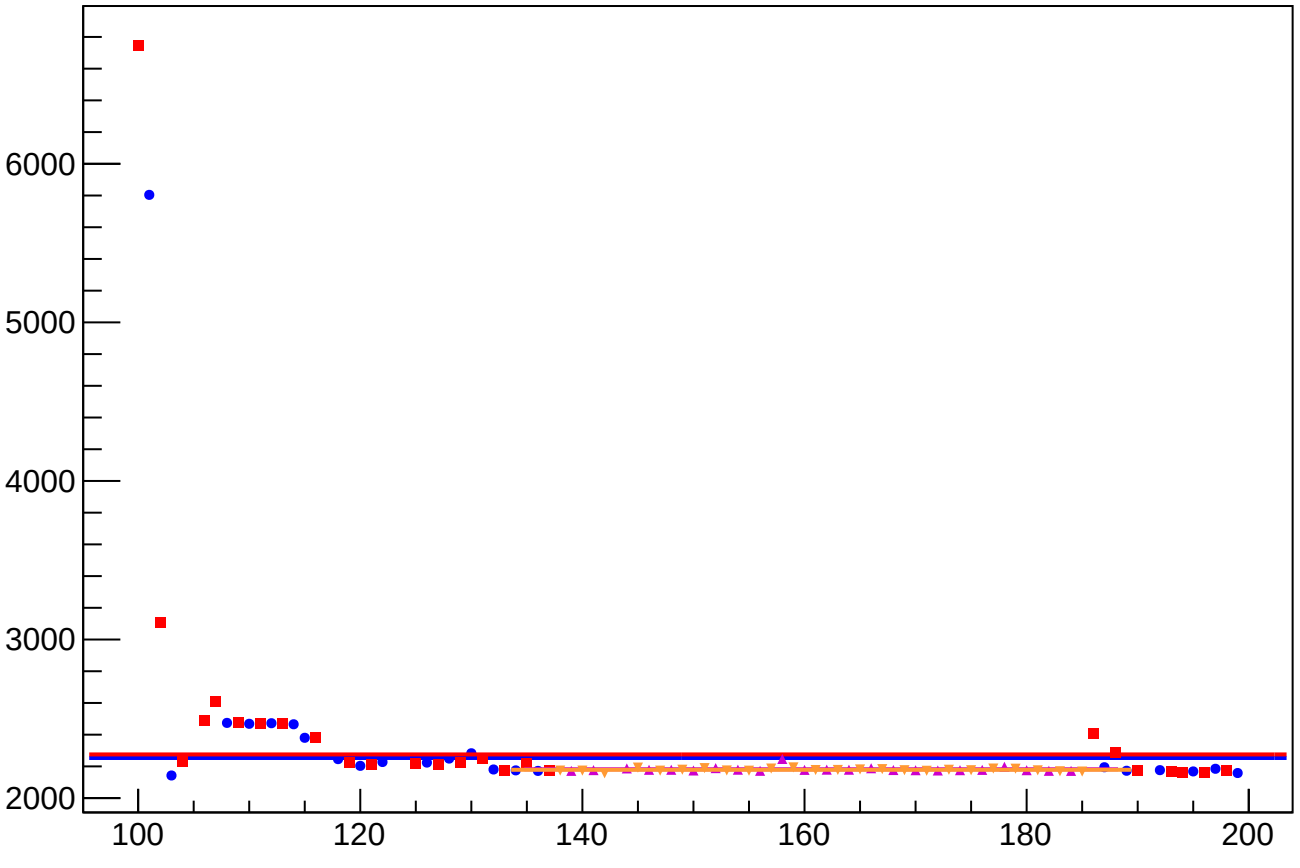
Left: -805.259+/-358.870 χ^2/NDF: 50.3/46

Right: -696.733+/-467.530 χ^2/NDF: 33.6/46

In: -593.898+/-405.711 χ^2/NDF:47.0/44

Out: -930.985+/-399.543 χ^2/NDF:36.5/48

All: -765.023+/-284.675 χ^2/NDF: 83.9/93



Right In: 2252.976+/-0.474 χ^2/NDF: 533793.0/21

Left Out: 2178.503+/-0.358 χ^2/NDF:456.1/23

Right Out: 2275.402+/-0.461 χ^2/NDF: 196847.3/24

Left In: 2181.882+/-0.360 χ^2/NDF:1838.2/22

Left: 2180.180+/-0.254 χ^2/NDF: 2338.6/46

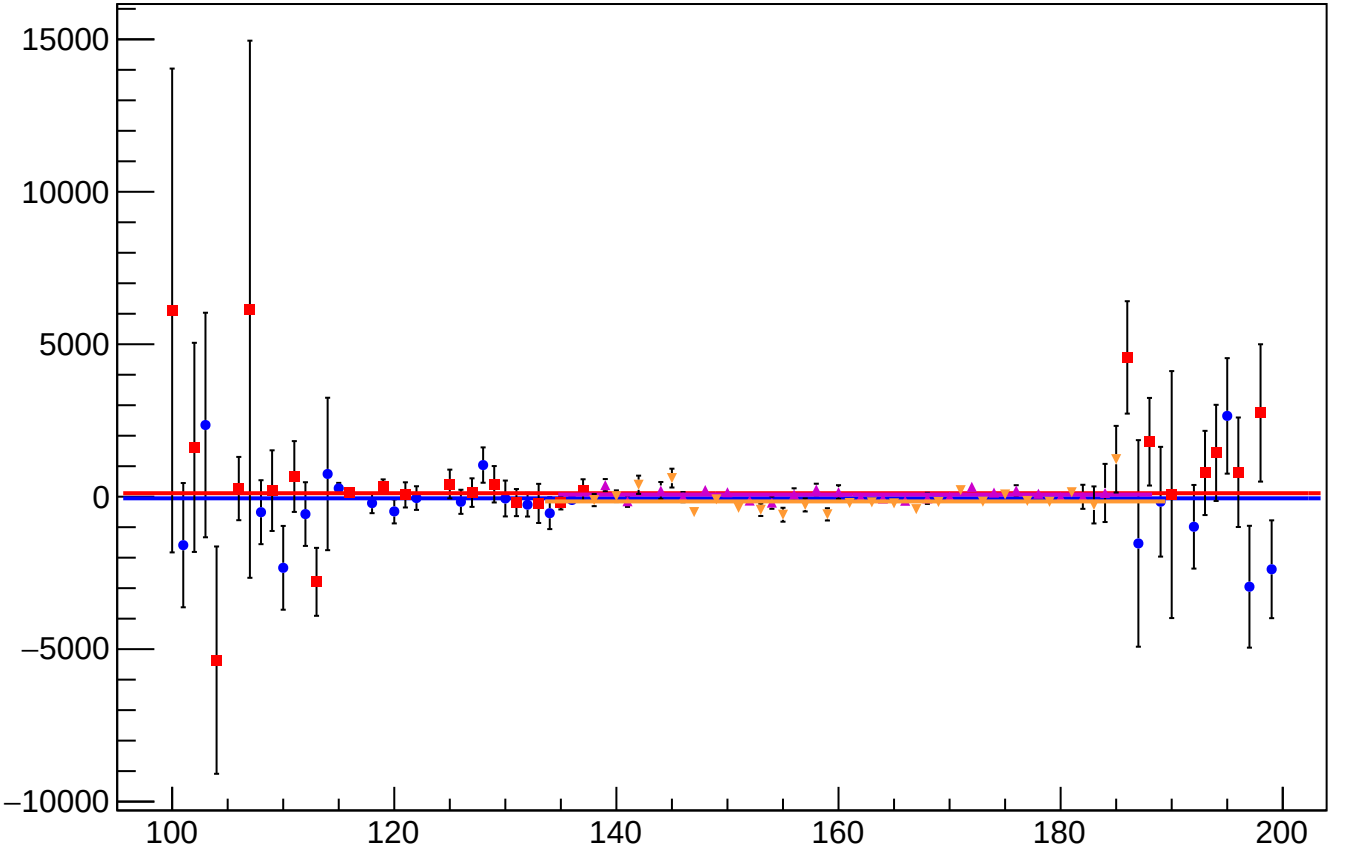
Right: 2264.510+/-0.331 χ^2/NDF: 731789.8/46

In: 2207.885+/-0.287 χ^2/NDF:549877.7/44

Out: 2214.898+/-0.283 χ^2/NDF:224892.0/48

All: 2211.445+/-0.201 χ^2/NDF: 775073.0/93

asym_us_dd_at1lr_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -53.233+/-91.689 χ^2/NDF: 21.0/21

Left Out: -154.726+/-34.061 χ^2/NDF:47.3/23

Right Out: 114.086+/-85.371 χ^2/NDF: 24.7/24

Left In: 70.141+/-34.204 χ^2/NDF:18.9/22

Left: -42.766+/-24.135 χ^2/NDF: 87.9/46

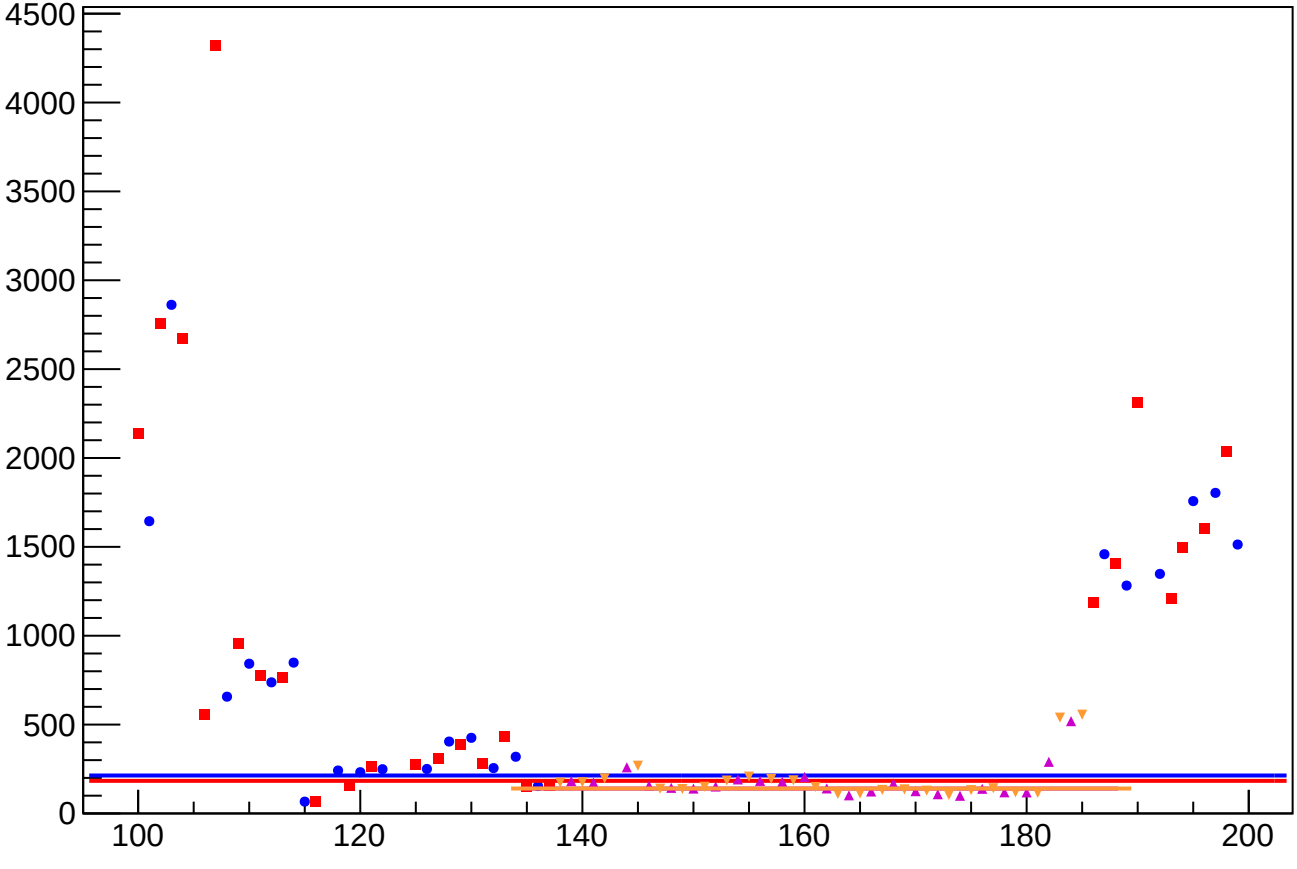
Right: 36.389+/-62.481 χ^2/NDF: 47.5/46

In: 55.069+/-32.047 χ^2/NDF:41.5/44

Out: -117.813+/-31.636 χ^2/NDF:80.6/48

All: -32.489+/-22.514 χ^2/NDF: 136.8/93

asym_us_dd_at1lr_dd_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 213.533+/-0.065 χ^2/NDF: 11965091.5/21

Left Out: 140.319+/-0.024 χ^2/NDF:2760280.2/23

Right Out: 183.509+/-0.060 χ^2/NDF: 14874115.5/24

Left In: 139.979+/-0.024 χ^2/NDF:2412509.5/22

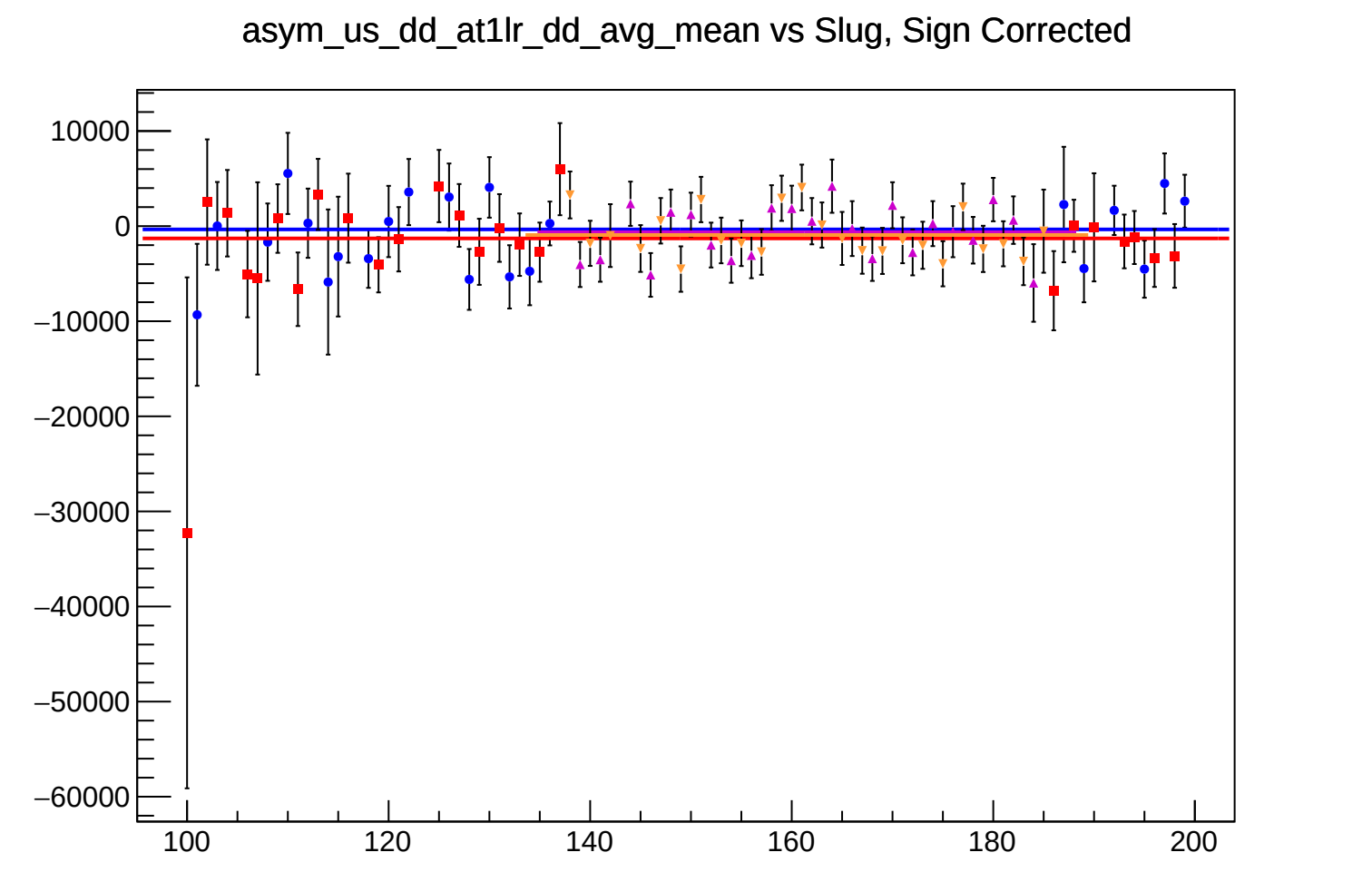
Left: 140.150+/-0.017 χ^2/NDF: 5172889.1/46

Right: 197.451+/-0.044 χ^2/NDF: 26954075.9/46

In: 148.964+/-0.023 χ^2/NDF:15507458.3/44

Out: 146.250+/-0.022 χ^2/NDF:18075988.1/48

All: 147.590+/-0.016 χ^2/NDF: 33590714.0/93



Right In: -344.718+/-748.132 χ^2/NDF: 23.5/21

Left Out: -932.002+/-507.717 χ^2/NDF:22.4/23

Right Out: -1292.363+/-738.683 χ^2/NDF: 16.0/24

Left In: -642.773+/-511.372 χ^2/NDF:27.0/22

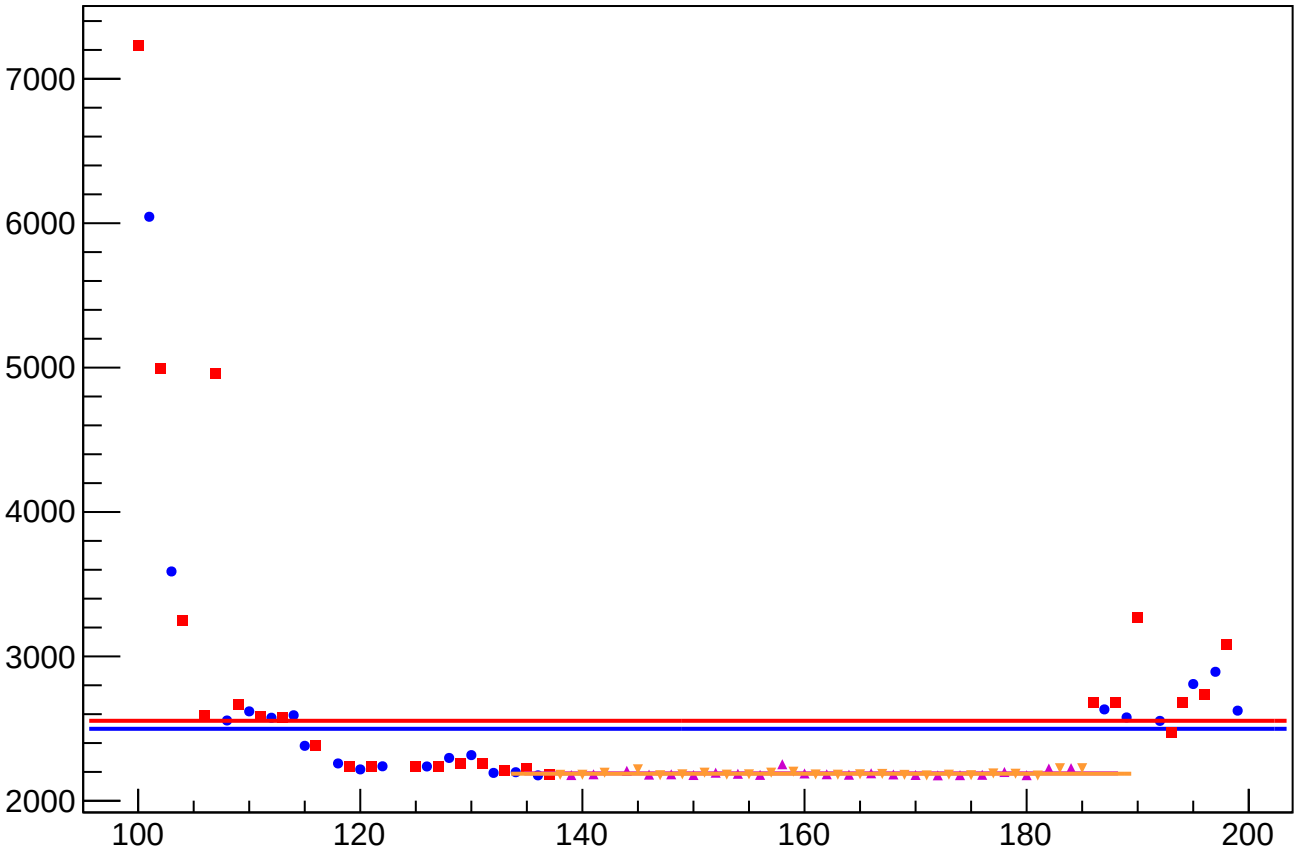
Left: -788.425+/-360.295 χ^2/NDF: 49.6/46

Right: -824.563+/-525.637 χ^2/NDF: 40.3/46

In: -547.861+/-422.173 χ^2/NDF:50.6/44

Out: -1047.622+/-418.414 χ^2/NDF:38.5/48

All: -799.976+/-297.183 χ^2/NDF: 89.8/93



Right In: 2498.596+/-0.529 χ^2/NDF: 755970.8/21

Left Out: 2187.620+/-0.359 χ^2/NDF:1342.1/23

Right Out: 2554.087+/-0.522 χ^2/NDF: 758676.4/24

Left In: 2190.163+/-0.362 χ^2/NDF:2542.8/22

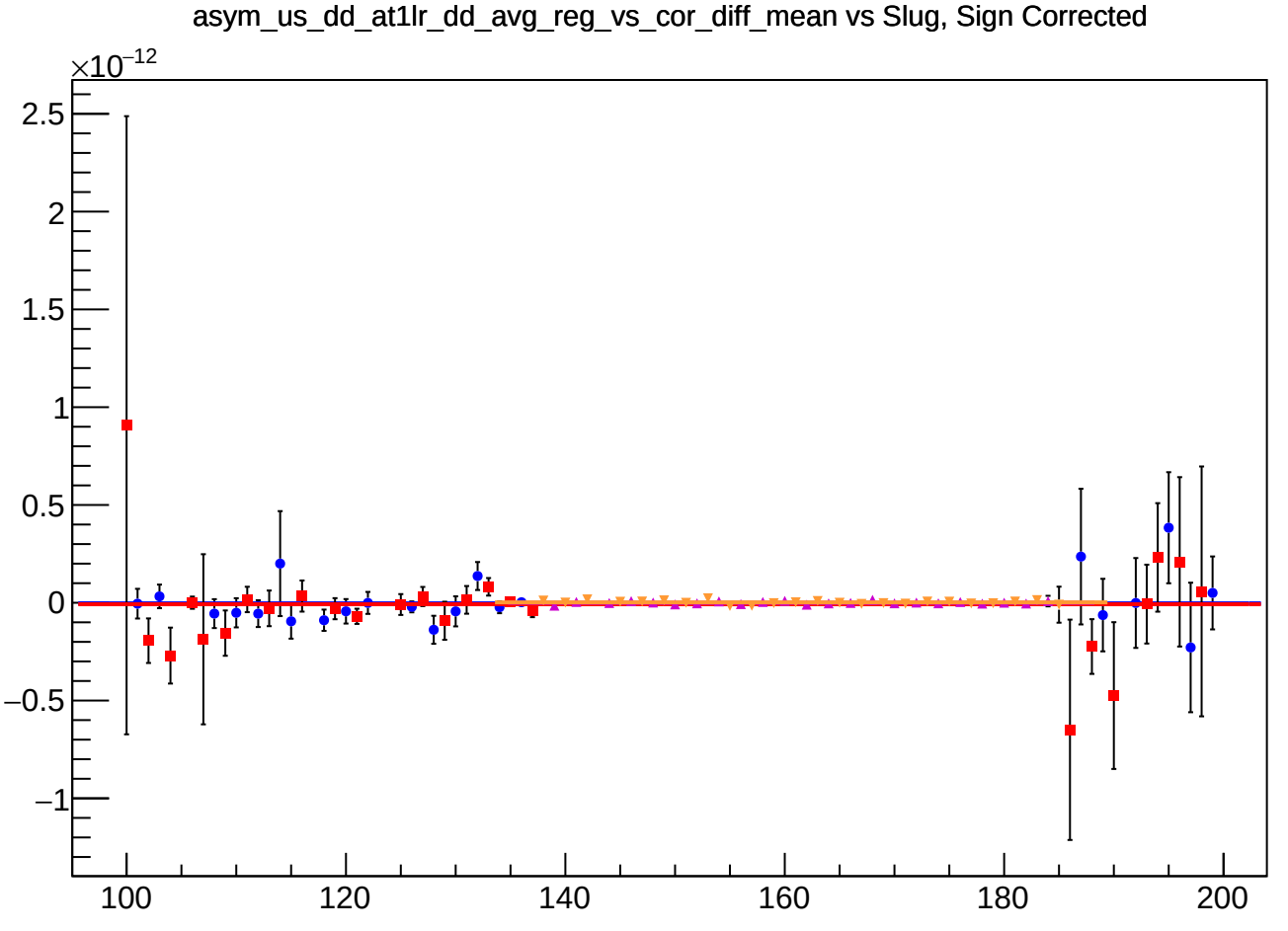
Left: 2188.882+/-0.255 χ^2/NDF: 3909.8/46

Right: 2526.694+/-0.372 χ^2/NDF: 1520218.8/46

In: 2288.379+/-0.299 χ^2/NDF:990199.3/44

Out: 2305.200+/-0.296 χ^2/NDF:1094332.2/48

All: 2296.865+/-0.210 χ^2/NDF: 2086133.1/93



Right In: -0.000+/-0.000 χ^2/NDF: 18.6/21

Left Out: 0.000+/-0.000 χ^2/NDF:19.4/23

Right Out: -0.000+/-0.000 χ^2/NDF: 25.1/24

Left In: -0.000+/-0.000 χ^2/NDF:13.3/22

Left: 0.000+/-0.000 χ^2/NDF: 33.7/46

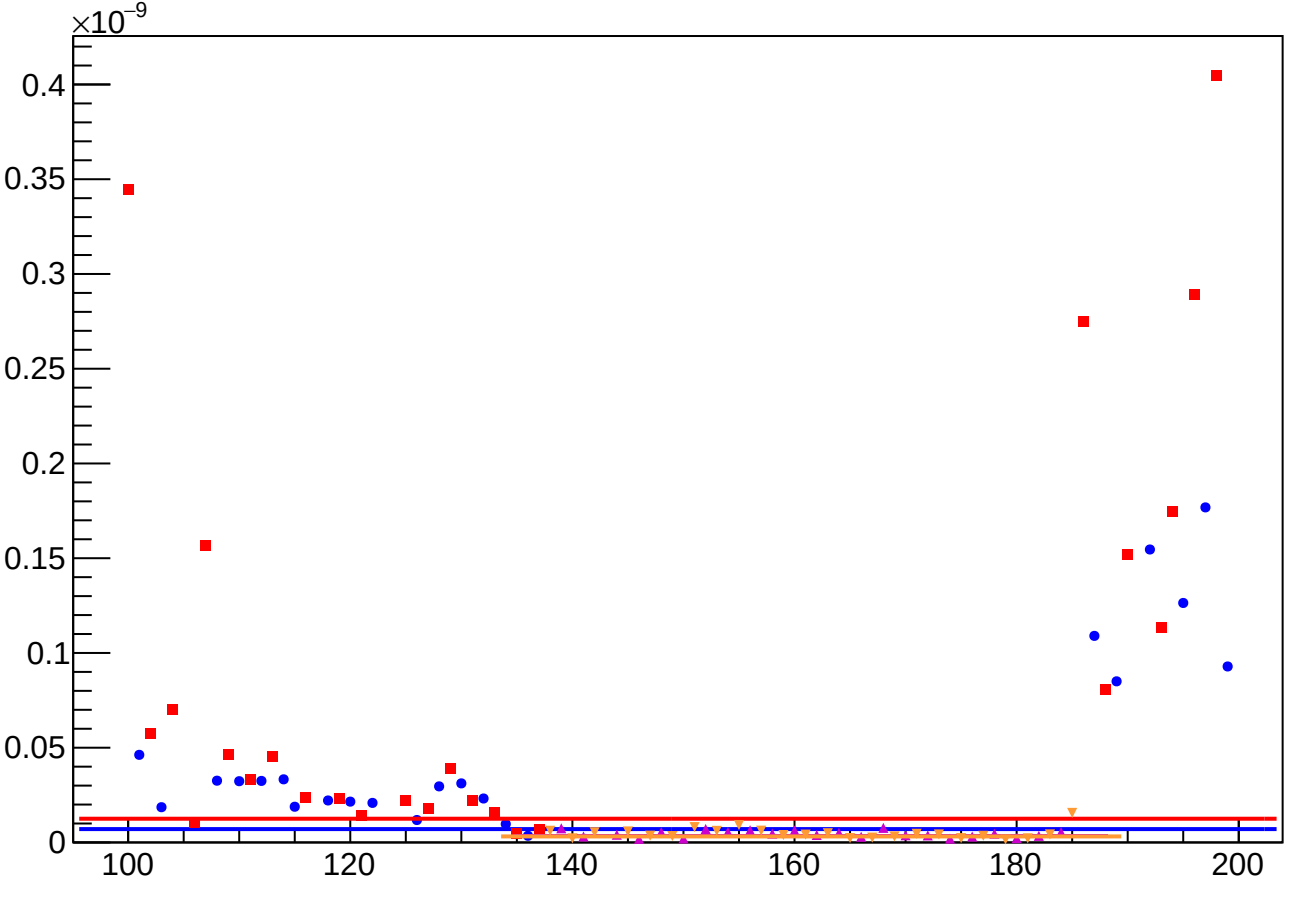
Right: -0.000+/-0.000 χ^2/NDF: 43.8/46

In: -0.000+/-0.000 χ^2/NDF:32.1/44

Out: 0.000+/-0.000 χ^2/NDF:45.5/48

All: 0.000+/-0.000 χ^2/NDF: 78.5/93

asym_us_dd_at1lr_dd_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 5520899.0/21

Left Out: 0.000+/-0.000 χ^2/NDF:2065501.9/23

Right Out: 0.000+/-0.000 χ^2/NDF: 6663551.0/24

Left In: 0.000+/-0.000 χ^2/NDF:1703481.0/22

Left: 0.000+/-0.000 χ^2/NDF: 3787444.9/46

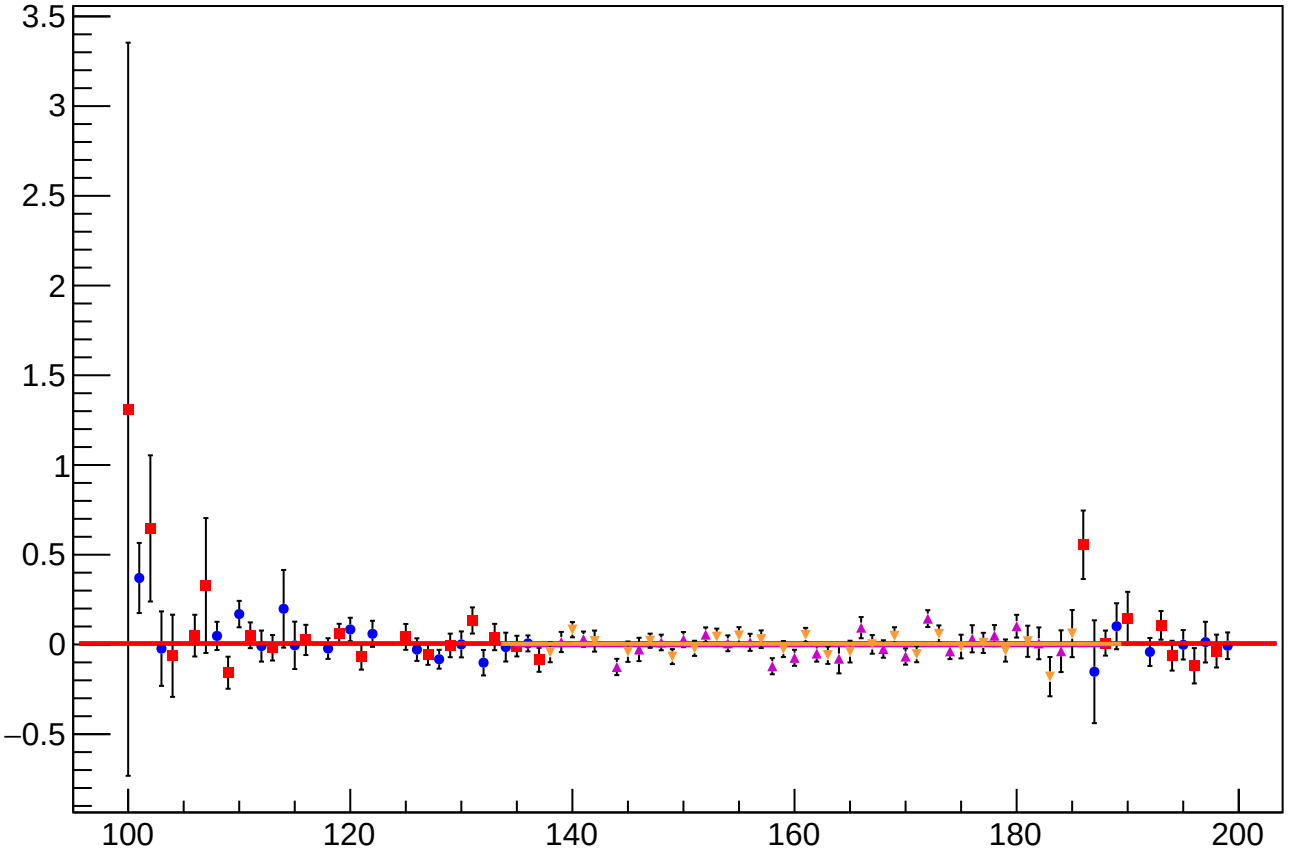
Right: 0.000+/-0.000 χ^2/NDF: 12631443.5/46

In: 0.000+/-0.000 χ^2/NDF:7860761.0/44

Out: 0.000+/-0.000 χ^2/NDF:10535772.9/48

All: 0.000+/-0.000 χ^2/NDF: 18418764.5/93

asym_us_dd_at1lr_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.004+/-0.017 χ^2/NDF: 18.5/21

Left Out: 0.003+/-0.010 χ^2/NDF:21.8/23

Right Out: 0.007+/-0.016 χ^2/NDF: 29.6/24

Left In: -0.005+/-0.011 χ^2/NDF:41.4/22

Left: -0.001+/-0.007 χ^2/NDF: 63.6/46

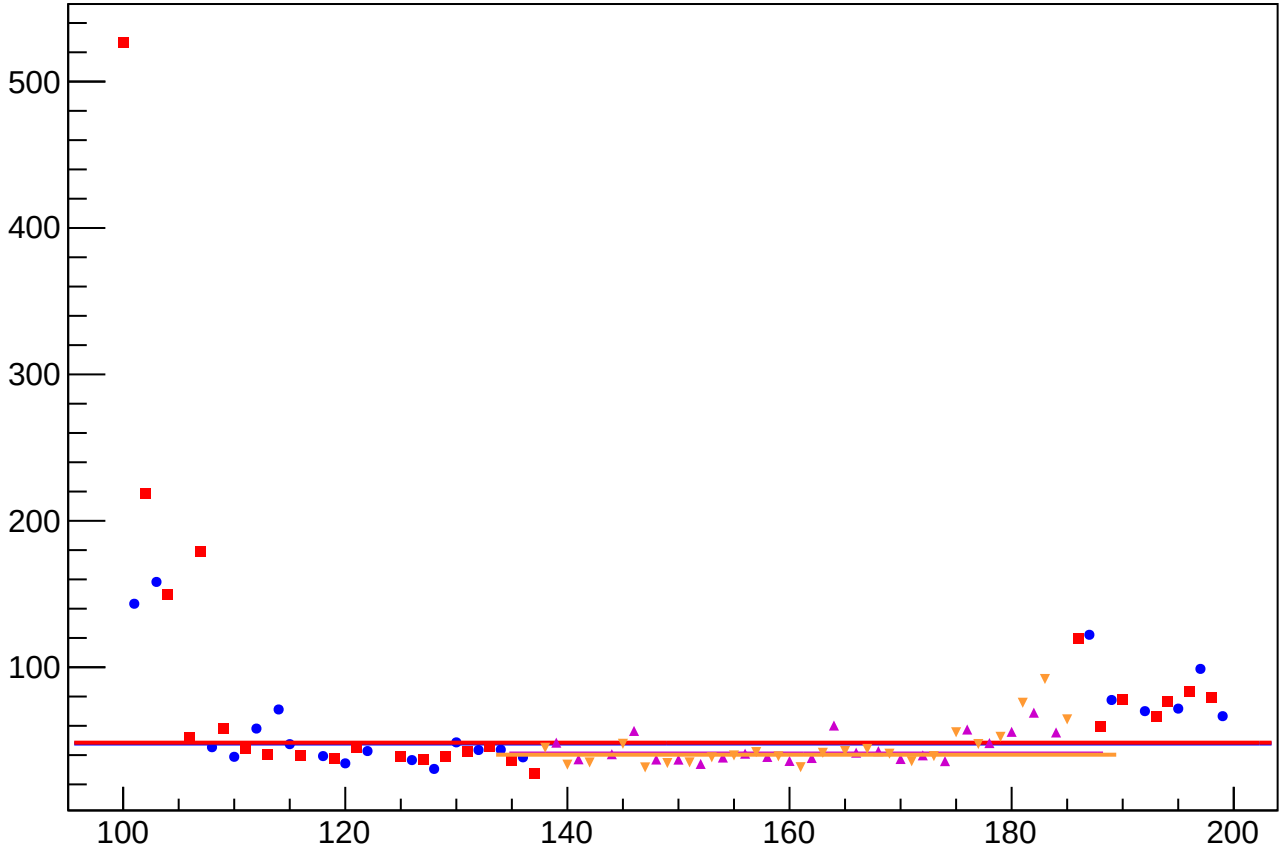
Right: 0.006+/-0.012 χ^2/NDF: 48.1/46

In: -0.003+/-0.009 χ^2/NDF:60.2/44

Out: 0.004+/-0.009 χ^2/NDF:51.5/48

All: 0.001+/-0.006 χ^2/NDF: 111.9/93

asym_us_dd_at1lr_dd_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 47.912+/-0.012 χ^2/NDF: 2754222.7/21

Left Out: 40.277+/-0.007 χ^2/NDF:1489065.3/23

Right Out: 48.493+/-0.012 χ^2/NDF: 2921873.0/24

Left In: 41.082+/-0.007 χ^2/NDF:926843.9/22

Left: 40.672+/-0.005 χ^2/NDF: 2421828.9/46

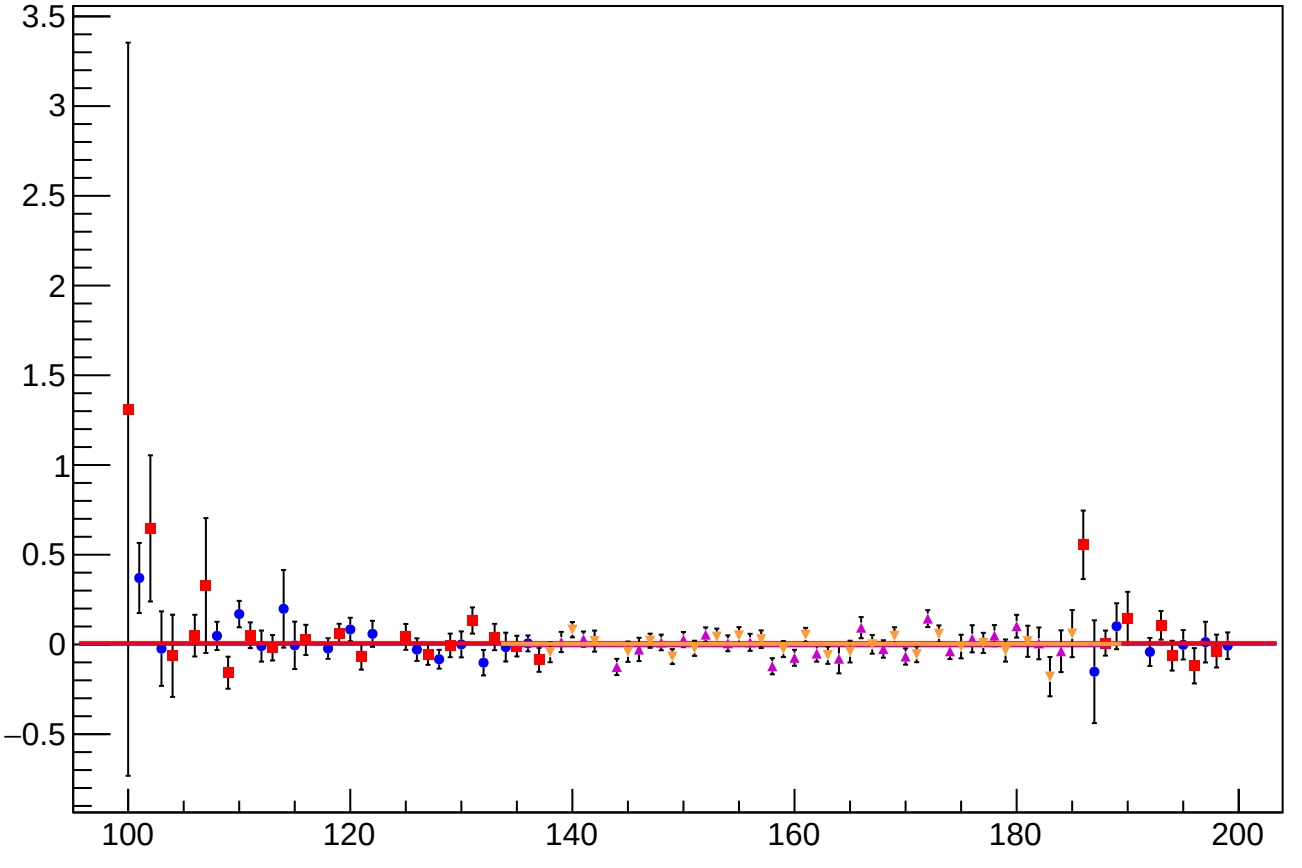
Right: 48.205+/-0.008 χ^2/NDF: 5677337.8/46

In: 43.056+/-0.006 χ^2/NDF:3922753.9/44

Out: 42.615+/-0.006 χ^2/NDF:4768184.8/48

All: 42.832+/-0.004 χ^2/NDF: 8693434.0/93

asym_us_dd_at1lr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.004+/-0.017 χ^2/NDF: 18.5/21

Left Out: 0.003+/-0.010 χ^2/NDF:21.8/23

Right Out: 0.007+/-0.016 χ^2/NDF: 29.6/24

Left In: -0.005+/-0.011 χ^2/NDF:41.4/22

Left: -0.001+/-0.007 χ^2/NDF: 63.6/46

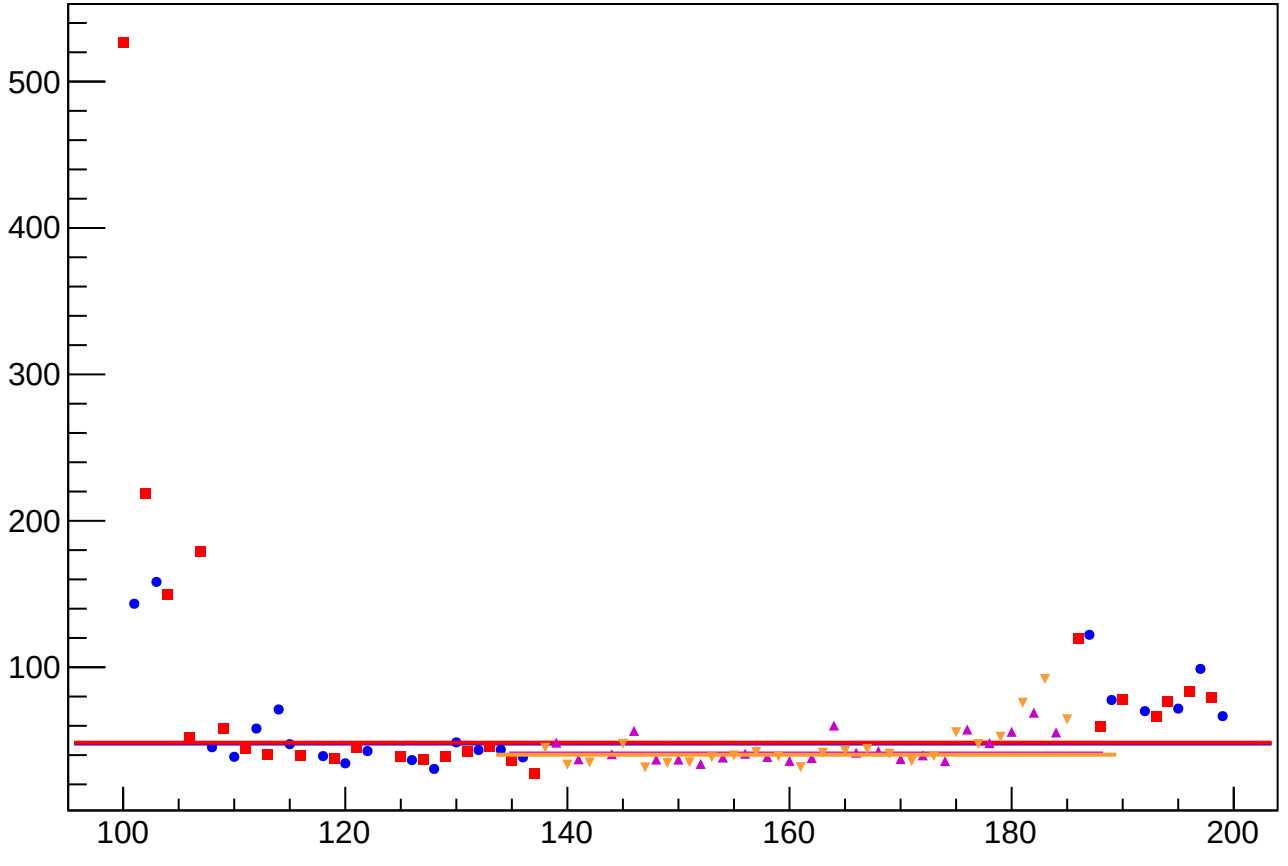
Right: 0.006+/-0.012 χ^2/NDF: 48.1/46

In: -0.003+/-0.009 χ^2/NDF:60.2/44

Out: 0.004+/-0.009 χ^2/NDF:51.5/48

All: 0.001+/-0.006 χ^2/NDF: 111.9/93

asym_us_dd_at1lr_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 47.912+/-0.012 χ^2/NDF: 2754222.7/21

Left Out: 40.277+/-0.007 χ^2/NDF:1489065.3/23

Right Out: 48.493+/-0.012 χ^2/NDF: 2921873.0/24

Left In: 41.082+/-0.007 χ^2/NDF:926843.9/22

Left: 40.672+/-0.005 χ^2/NDF: 2421828.9/46

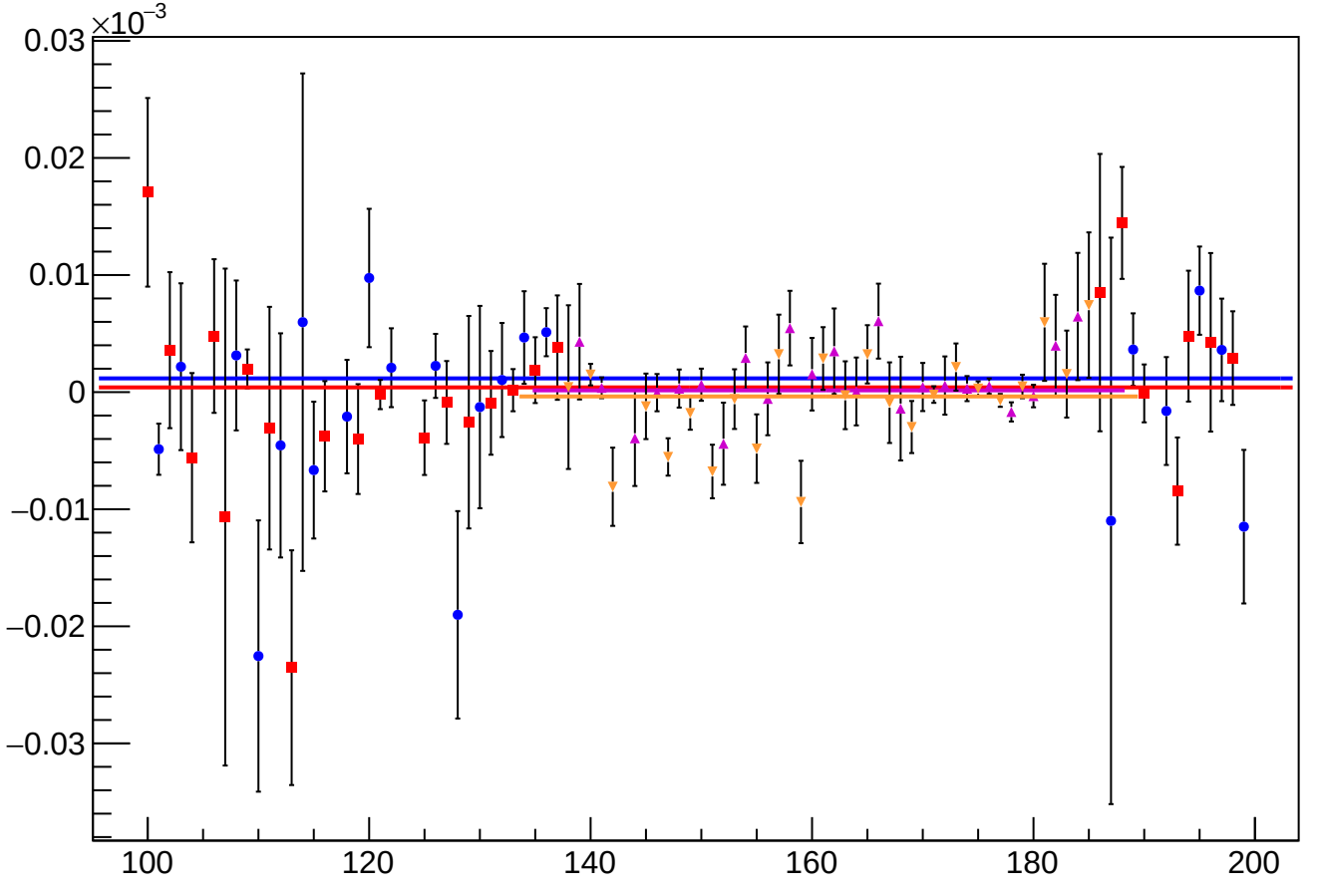
Right: 48.205+/-0.008 χ^2/NDF: 5677337.8/46

In: 43.056+/-0.006 χ^2/NDF:3922753.9/44

Out: 42.615+/-0.006 χ^2/NDF:4768184.8/48

All: 42.832+/-0.004 χ^2/NDF: 8693434.0/93

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: 36.0/21

Left Out: -0.000+/-0.000 χ^2/NDF:51.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 31.7/24

Left In: 0.000+/-0.000 χ^2/NDF:19.9/22

Left: -0.000+/-0.000 χ^2/NDF: 72.6/46

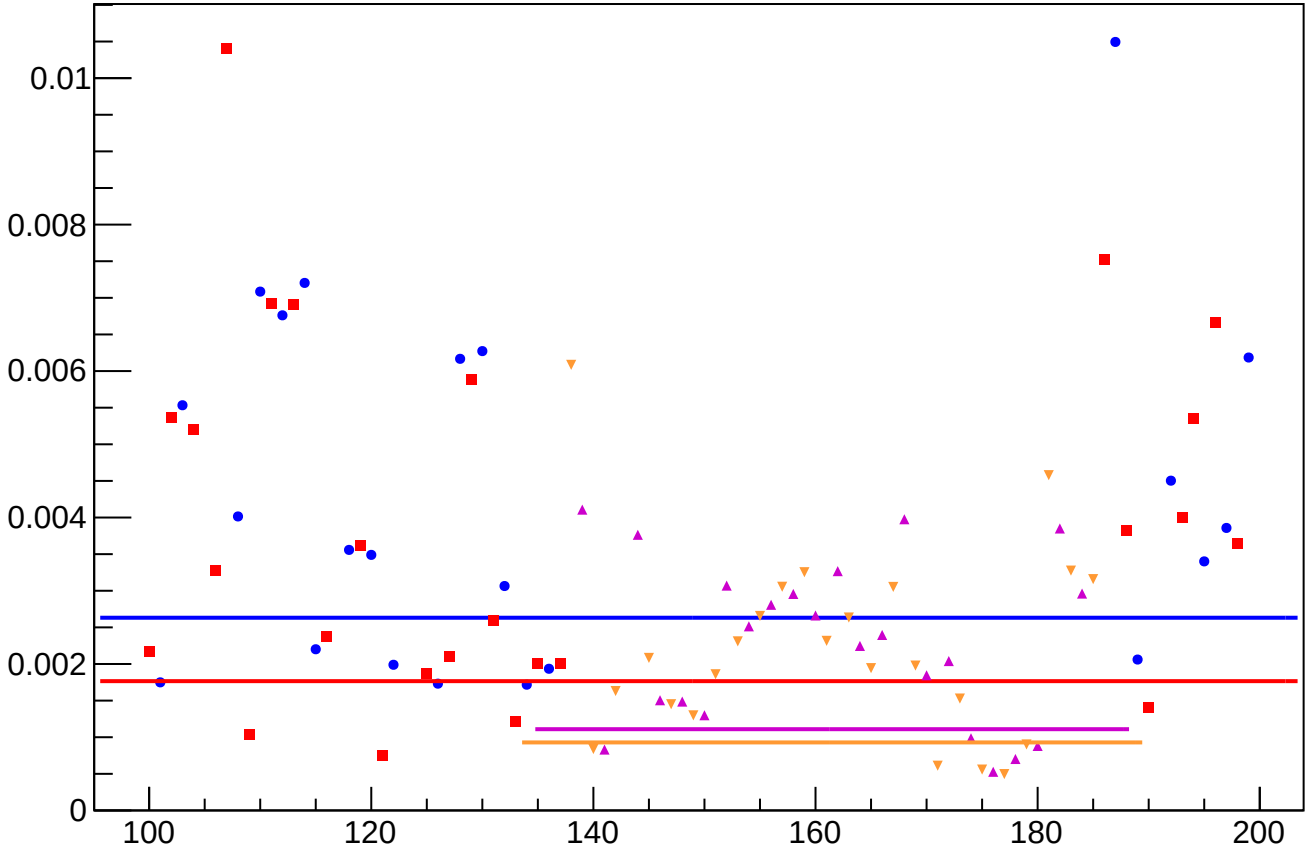
Right: 0.000+/-0.000 χ^2/NDF: 68.2/46

In: 0.000+/-0.000 χ^2/NDF:57.0/44

Out: -0.000+/-0.000 χ^2/NDF:84.1/48

All: -0.000+/-0.000 χ^2/NDF: 142.8/93

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: 4391257.6/21

Left Out: 0.001+/-0.000 χ^2/NDF:12568645.9/23

Right Out: 0.002+/-0.000 χ^2/NDF: 8709161.7/24

Left In: 0.001+/-0.000 χ^2/NDF:10930077.0/22

Left: 0.001+/-0.000 χ^2/NDF: 23862151.8/46

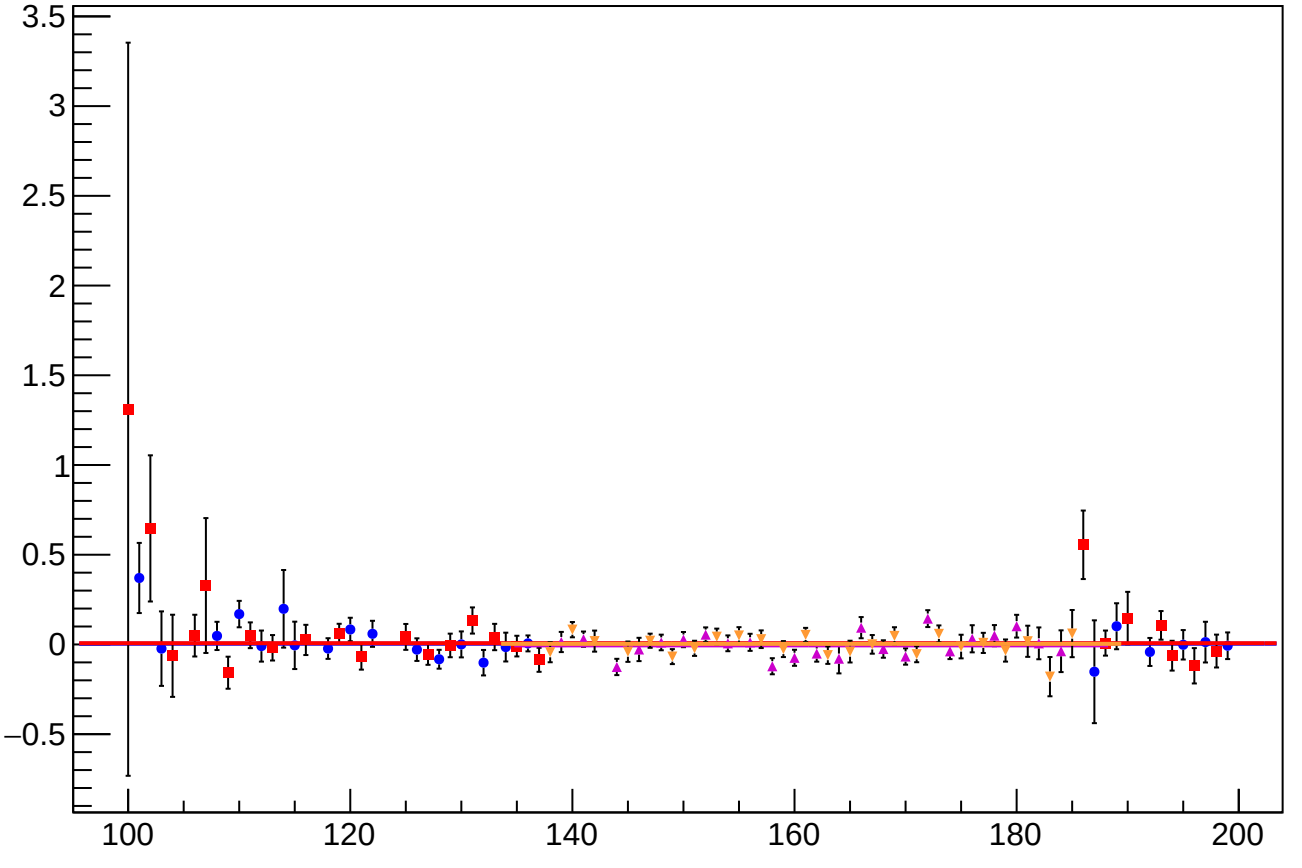
Right: 0.002+/-0.000 χ^2/NDF: 14324393.6/46

In: 0.001+/-0.000 χ^2/NDF:20511878.6/44

Out: 0.001+/-0.000 χ^2/NDF:24009434.9/48

All: 0.001+/-0.000 χ^2/NDF: 45188250.7/93

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.004+/-0.017 χ^2/NDF: 18.5/21

Left Out: 0.003+/-0.010 χ^2/NDF:21.8/23

Right Out: 0.007+/-0.016 χ^2/NDF: 29.6/24

Left In: -0.005+/-0.011 χ^2/NDF:41.4/22

Left: -0.001+/-0.007 χ^2/NDF: 63.6/46

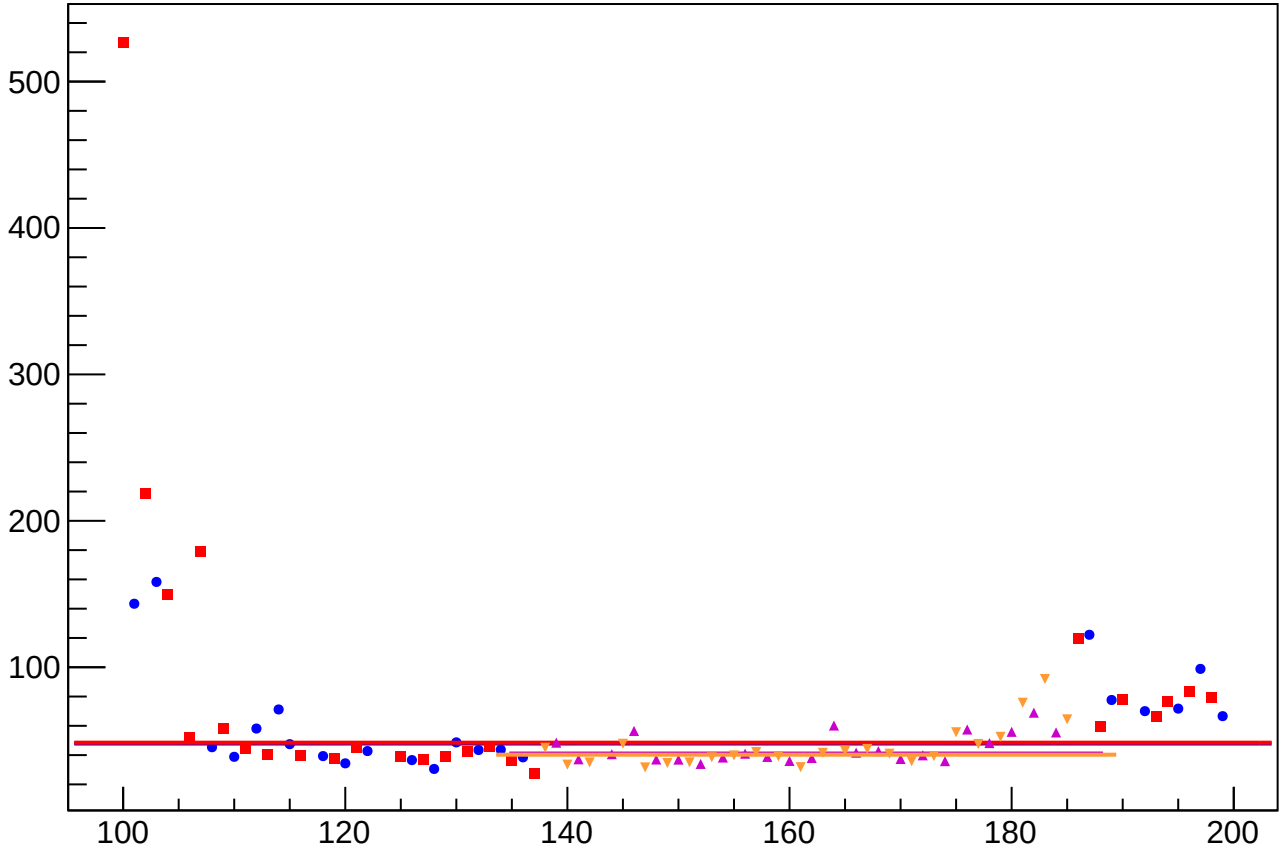
Right: 0.006+/-0.012 χ^2/NDF: 48.1/46

In: -0.003+/-0.009 χ^2/NDF:60.1/44

Out: 0.004+/-0.009 χ^2/NDF:51.5/48

All: 0.001+/-0.006 χ^2/NDF: 111.9/93

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 47.909+/-0.012 χ^2/NDF: 2754627.3/21

Left Out: 40.277+/-0.007 χ^2/NDF:1489049.7/23

Right Out: 48.494+/-0.012 χ^2/NDF: 2921865.5/24

Left In: 41.082+/-0.007 χ^2/NDF:926883.3/22

Left: 40.672+/-0.005 χ^2/NDF: 2421851.2/46

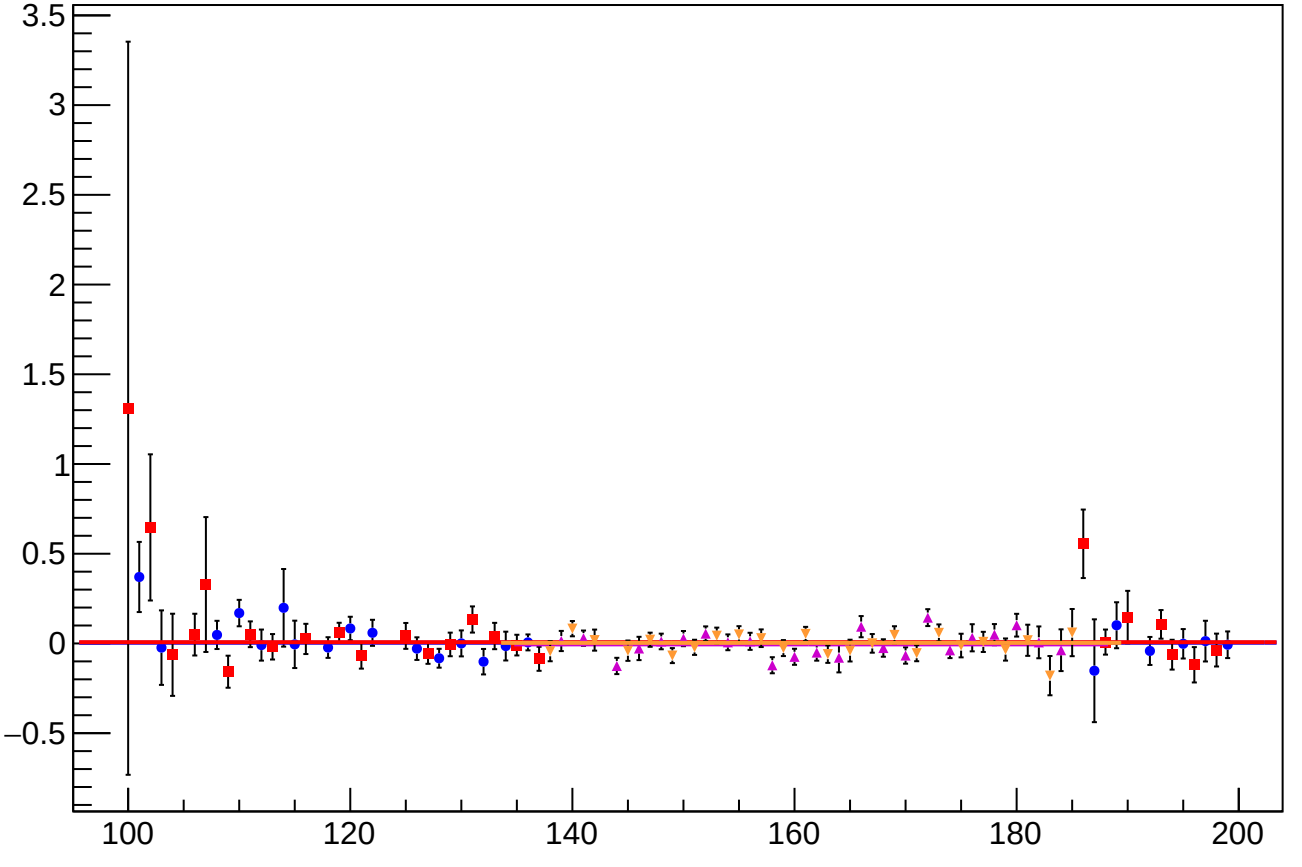
Right: 48.204+/-0.008 χ^2/NDF: 5677747.6/46

In: 43.056+/-0.006 χ^2/NDF:3923038.9/44

Out: 42.615+/-0.006 χ^2/NDF:4768196.3/48

All: 42.832+/-0.004 χ^2/NDF: 8693721.5/93

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.004+/-0.017 χ^2/NDF: 18.5/21

Left Out: 0.003+/-0.010 χ^2/NDF:21.8/23

Right Out: 0.007+/-0.016 χ^2/NDF: 29.6/24

Left In: -0.005+/-0.011 χ^2/NDF:41.4/22

Left: -0.001+/-0.007 χ^2/NDF: 63.6/46

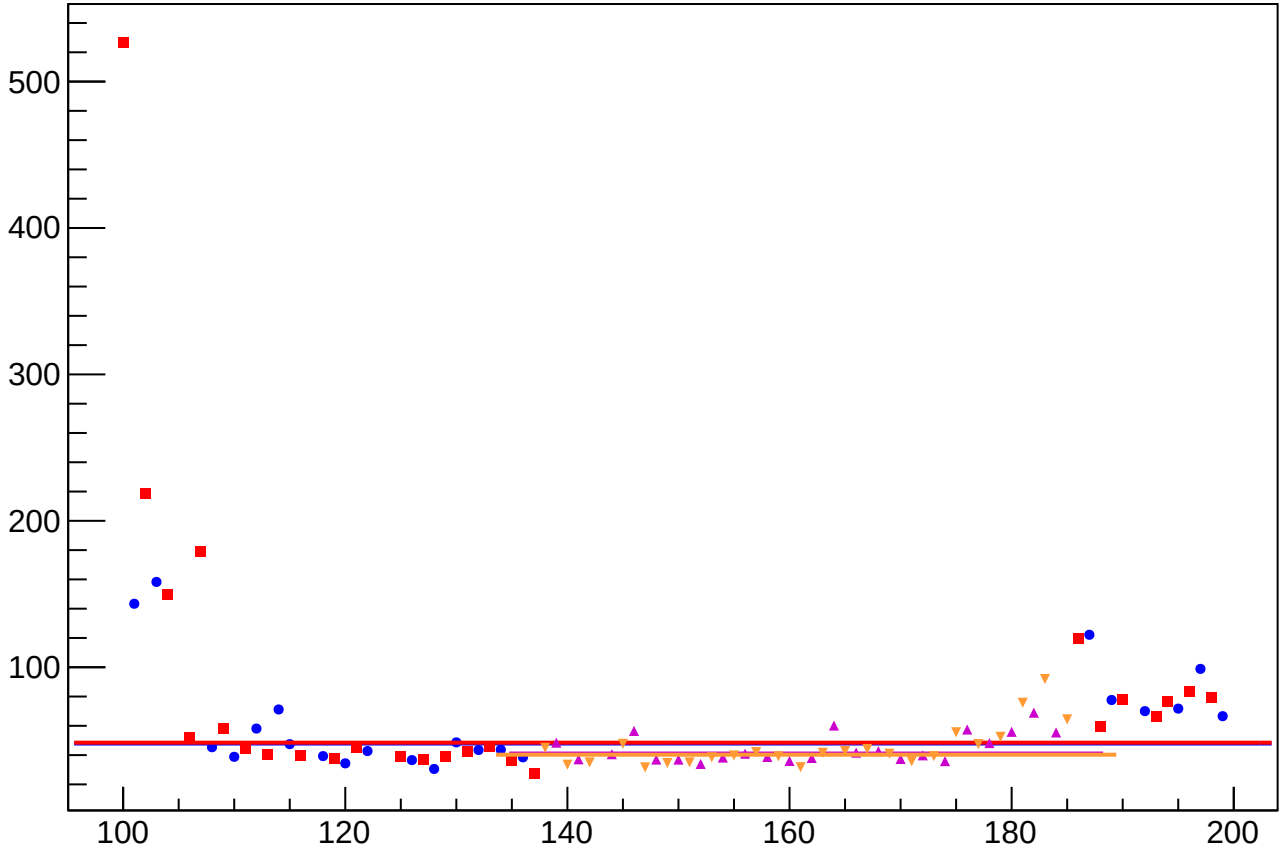
Right: 0.006+/-0.012 χ^2/NDF: 48.1/46

In: -0.003+/-0.009 χ^2/NDF:60.1/44

Out: 0.004+/-0.009 χ^2/NDF:51.5/48

All: 0.001+/-0.006 χ^2/NDF: 111.9/93

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 47.909+/-0.012 χ^2/NDF: 2754627.3/21

Left Out: 40.277+/-0.007 χ^2/NDF:1489049.7/23

Right Out: 48.494+/-0.012 χ^2/NDF: 2921865.5/24

Left In: 41.082+/-0.007 χ^2/NDF:926883.3/22

Left: 40.672+/-0.005 χ^2/NDF: 2421851.2/46

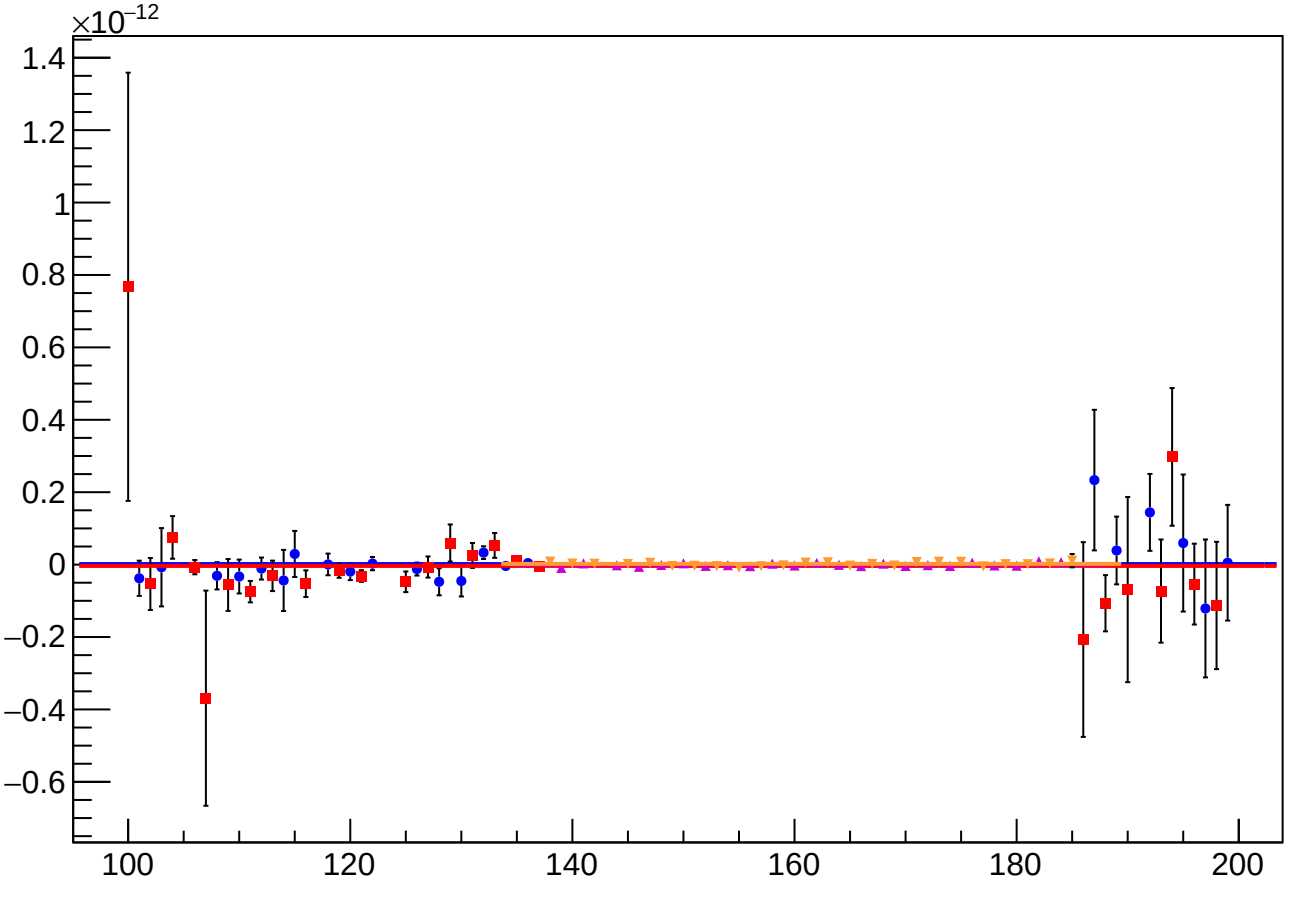
Right: 48.204+/-0.008 χ^2/NDF: 5677747.6/46

In: 43.056+/-0.006 χ^2/NDF:3923038.9/44

Out: 42.615+/-0.006 χ^2/NDF:4768196.3/48

All: 42.832+/-0.004 χ^2/NDF: 8693721.5/93

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: 14.4/21

Left Out: 0.000+/-0.000 χ^2/NDF:25.2/23

Right Out: -0.000+/-0.000 χ^2/NDF: 34.6/24

Left In: -0.000+/-0.000 χ^2/NDF:23.1/22

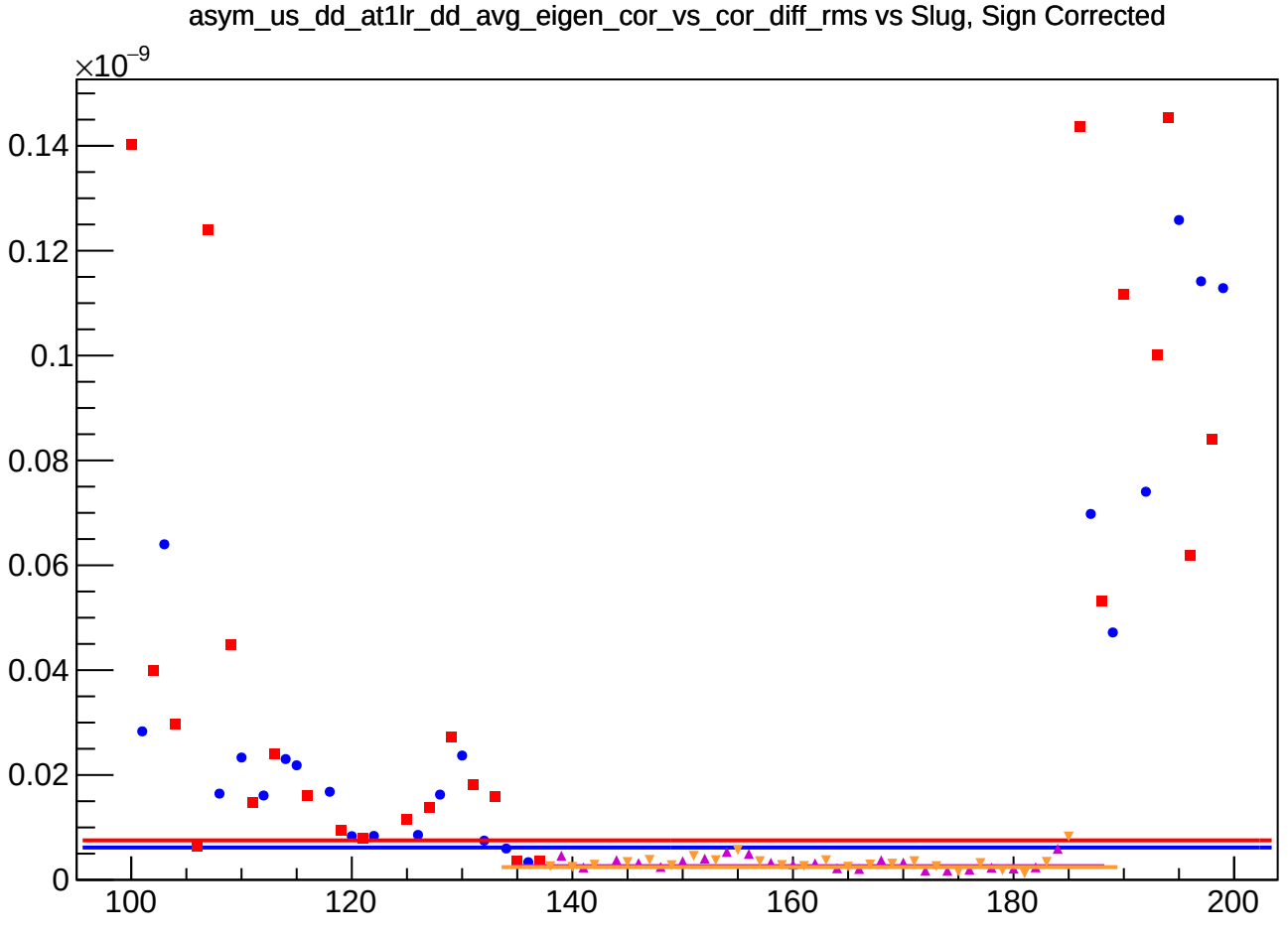
Left: 0.000+/-0.000 χ^2/NDF: 52.2/46

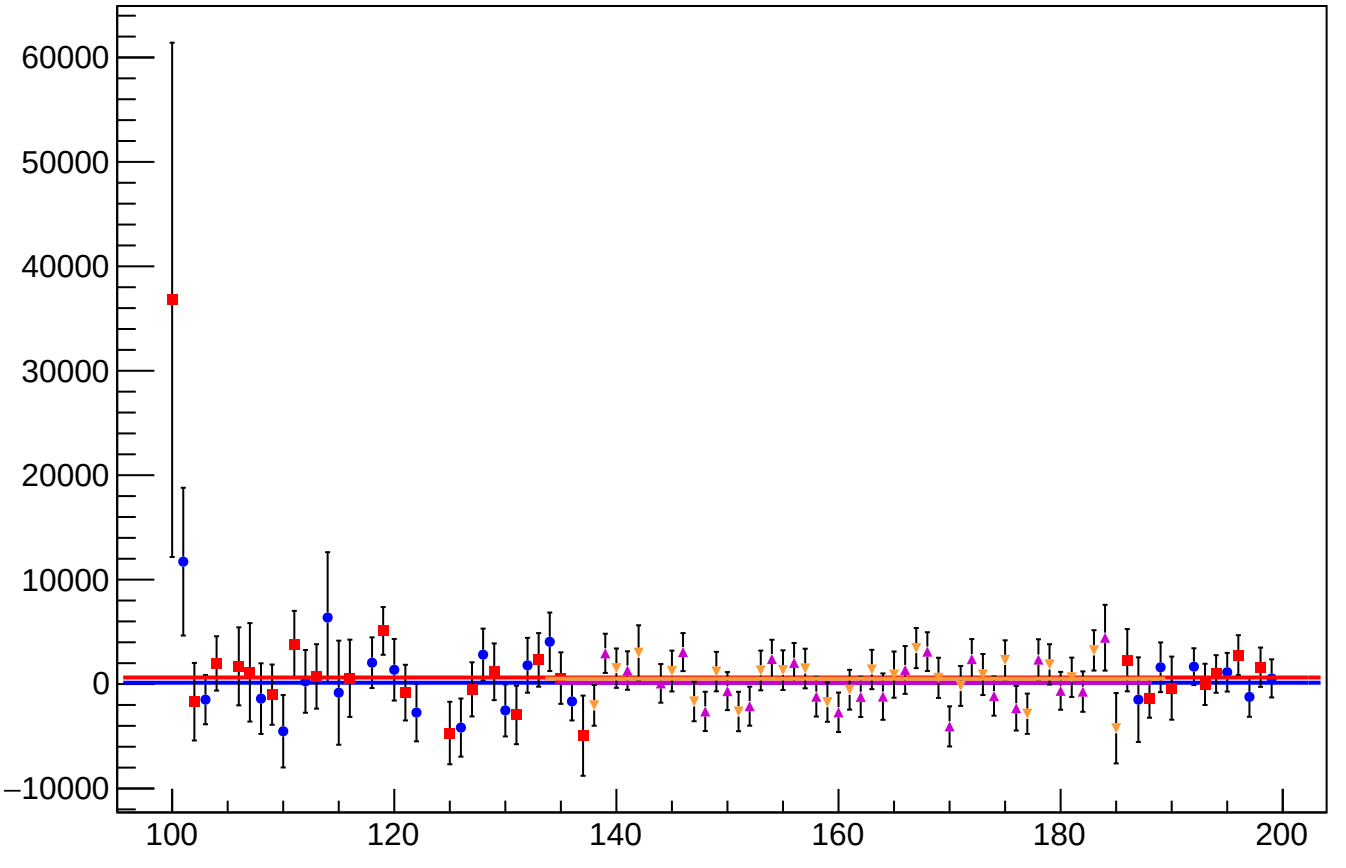
Right: -0.000+/-0.000 χ^2/NDF: 49.7/46

In: -0.000+/-0.000 χ^2/NDF:37.8/44

Out: 0.000+/-0.000 χ^2/NDF:61.1/48

All: 0.000+/-0.000 χ^2/NDF: 102.1/93


asym_us_dd_at1lr_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 7062681.9/21
Left Out: 0.000+/-0.000 χ²/NDF:2792453.3/23
Right Out: 0.000+/-0.000 χ²/NDF: 8104555.0/24
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: 15266042.2/46
In: 0.000+/-0.000 χ²/NDF:10586097.5/44
Out: 0.000+/-0.000 χ²/NDF:13167642.4/48
All: 0.000+/-0.000 χ²/NDF: 23816864.8/93



Right In: 129.574+/-541.083 χ^2/NDF: 18.2/21

Left Out: 519.929+/-401.705 χ^2/NDF:20.8/23

Right Out: 627.715+/-526.743 χ^2/NDF: 19.1/24

Left In: 126.031+/-404.630 χ^2/NDF:29.5/22

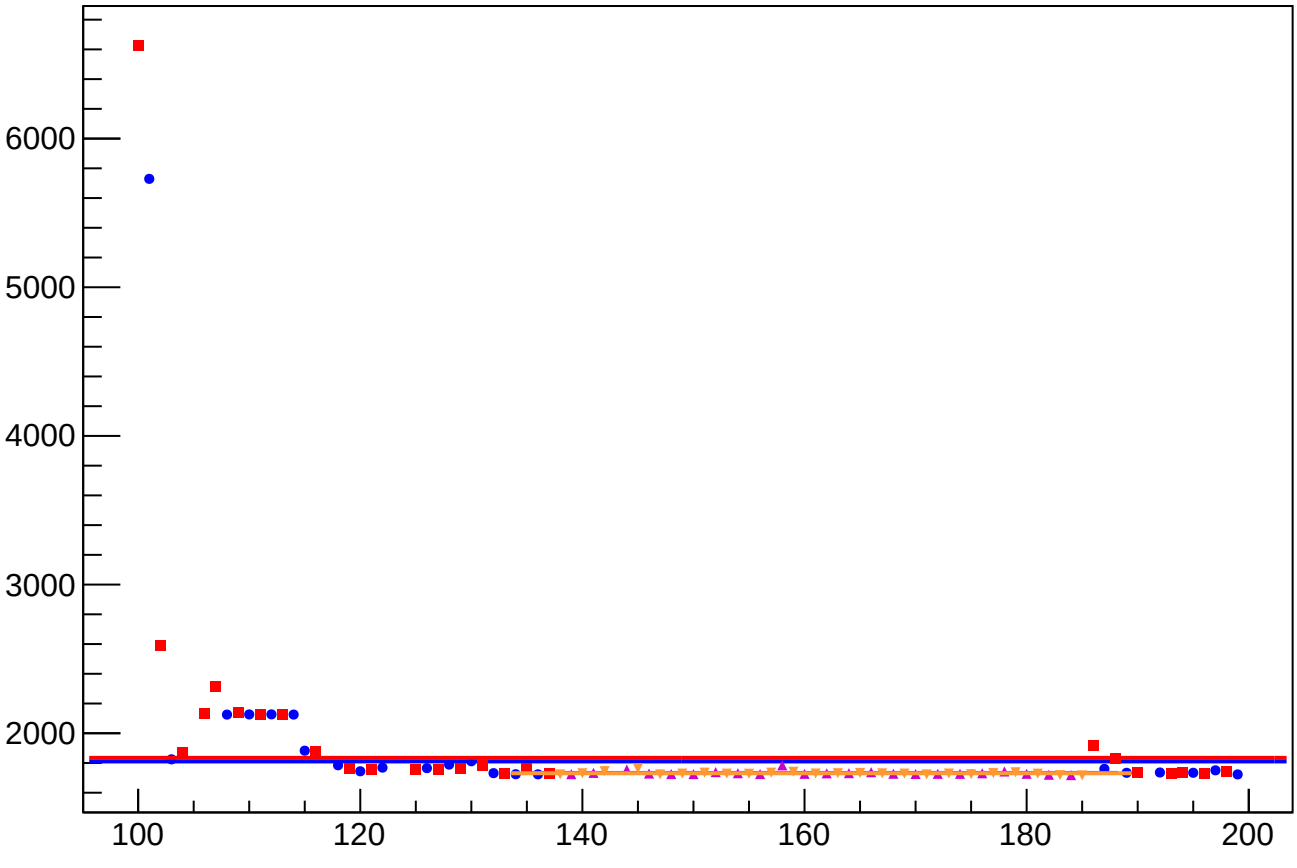
Left: 324.409+/-285.077 χ^2/NDF: 50.7/46

Right: 385.333+/-377.431 χ^2/NDF: 37.8/46

In: 127.301+/-324.044 χ^2/NDF:47.7/44

Out: 559.565+/-319.419 χ^2/NDF:39.9/48

All: 346.540+/-227.481 χ^2/NDF: 88.5/93



Right In: 1810.484+/-0.383 χ^2/NDF: 701789.8/21

Left Out: 1730.847+/-0.284 χ^2/NDF:969.7/23

Right Out: 1834.496+/-0.372 χ^2/NDF: 291595.0/24

Left In: 1733.007+/-0.286 χ^2/NDF:2237.4/22

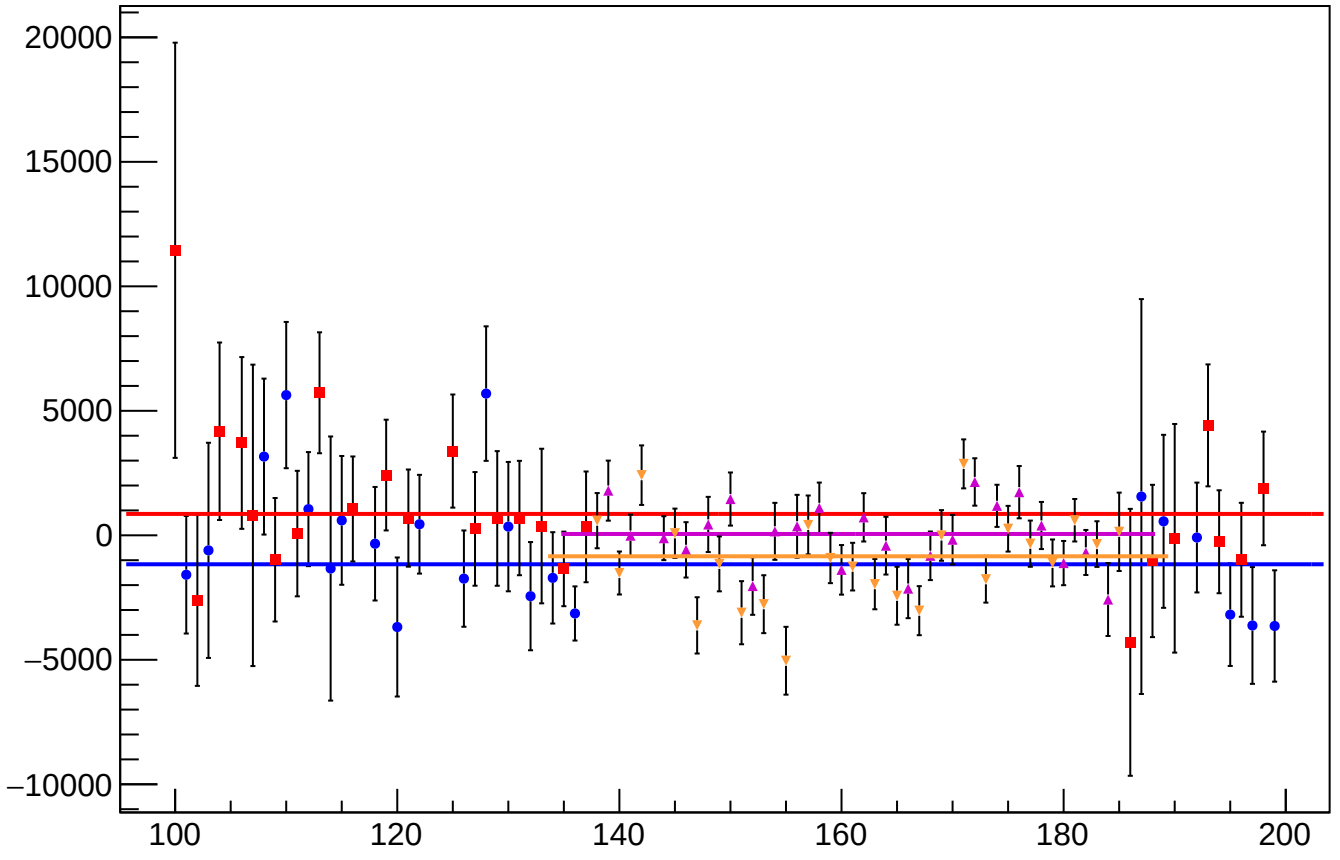
Left: 1731.919+/-0.202 χ^2/NDF: 3235.8/46

Right: 1822.813+/-0.267 χ^2/NDF: 995407.0/46

In: 1760.795+/-0.229 χ^2/NDF:730326.4/44

Out: 1768.961+/-0.226 χ^2/NDF:341528.1/48

All: 1764.937+/-0.161 χ^2/NDF: 1072498.8/93



Right In: -1163.276+/-486.228 χ^2/NDF: 24.8/21

Left Out: -842.437+/-210.852 χ^2/NDF:62.7/23

Right Out: 858.987+/-506.031 χ^2/NDF: 17.5/24

Left In: 53.905+/-212.966 χ^2/NDF:30.6/22

Left: -398.736+/-149.837 χ^2/NDF: 102.3/46

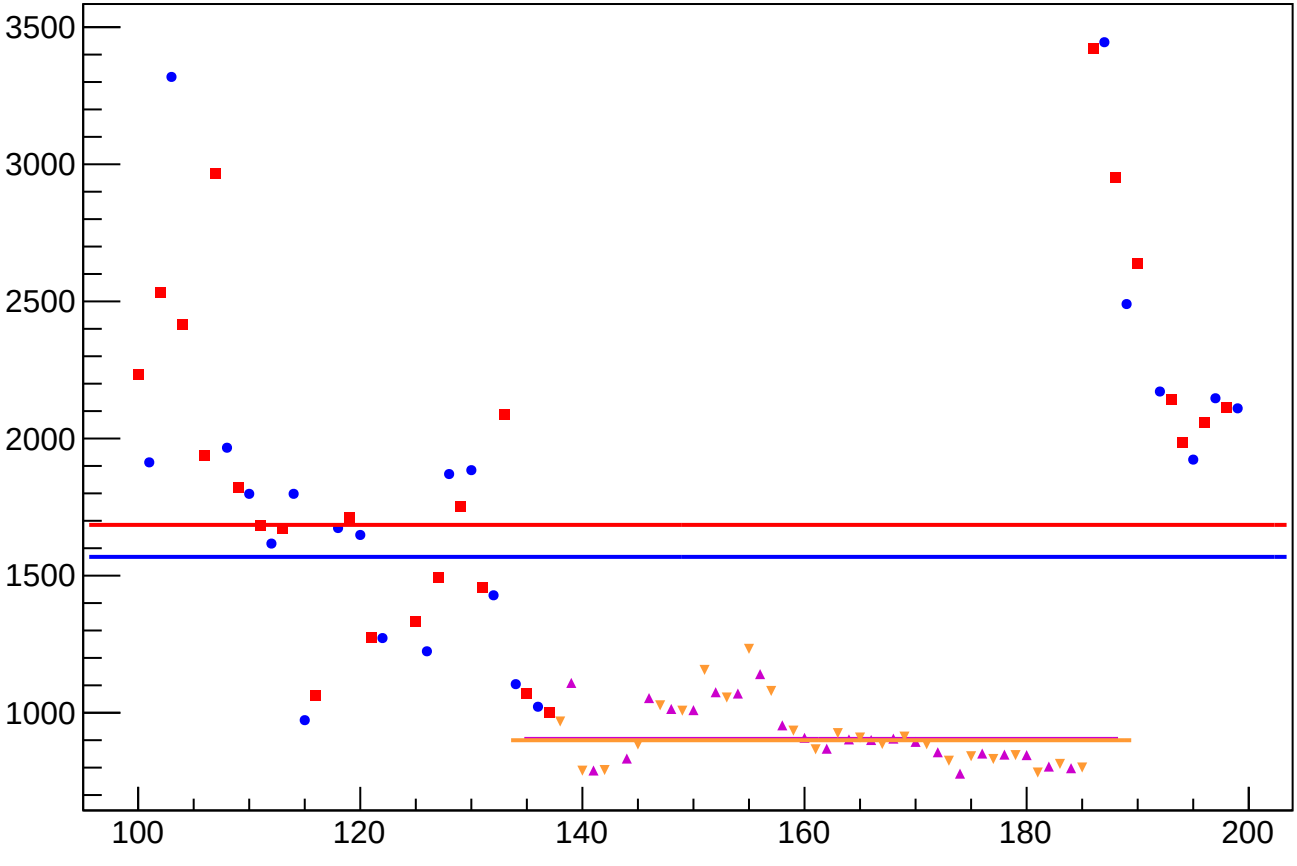
Right: -192.489+/-350.607 χ^2/NDF: 50.6/46

In: -142.015+/-195.075 χ^2/NDF:60.7/44

Out: -590.735+/-194.632 χ^2/NDF:89.9/48

All: -366.885+/-137.782 χ^2/NDF: 153.2/93

asym_us_dd_at1lr_dd_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 1568.429+/-0.344 χ^2/NDF: 2036172.3/21

Left Out: 899.811+/-0.149 χ^2/NDF:495328.4/23

Right Out: 1685.079+/-0.358 χ^2/NDF: 2103006.7/24

Left In: 904.656+/-0.151 χ^2/NDF:452251.7/22

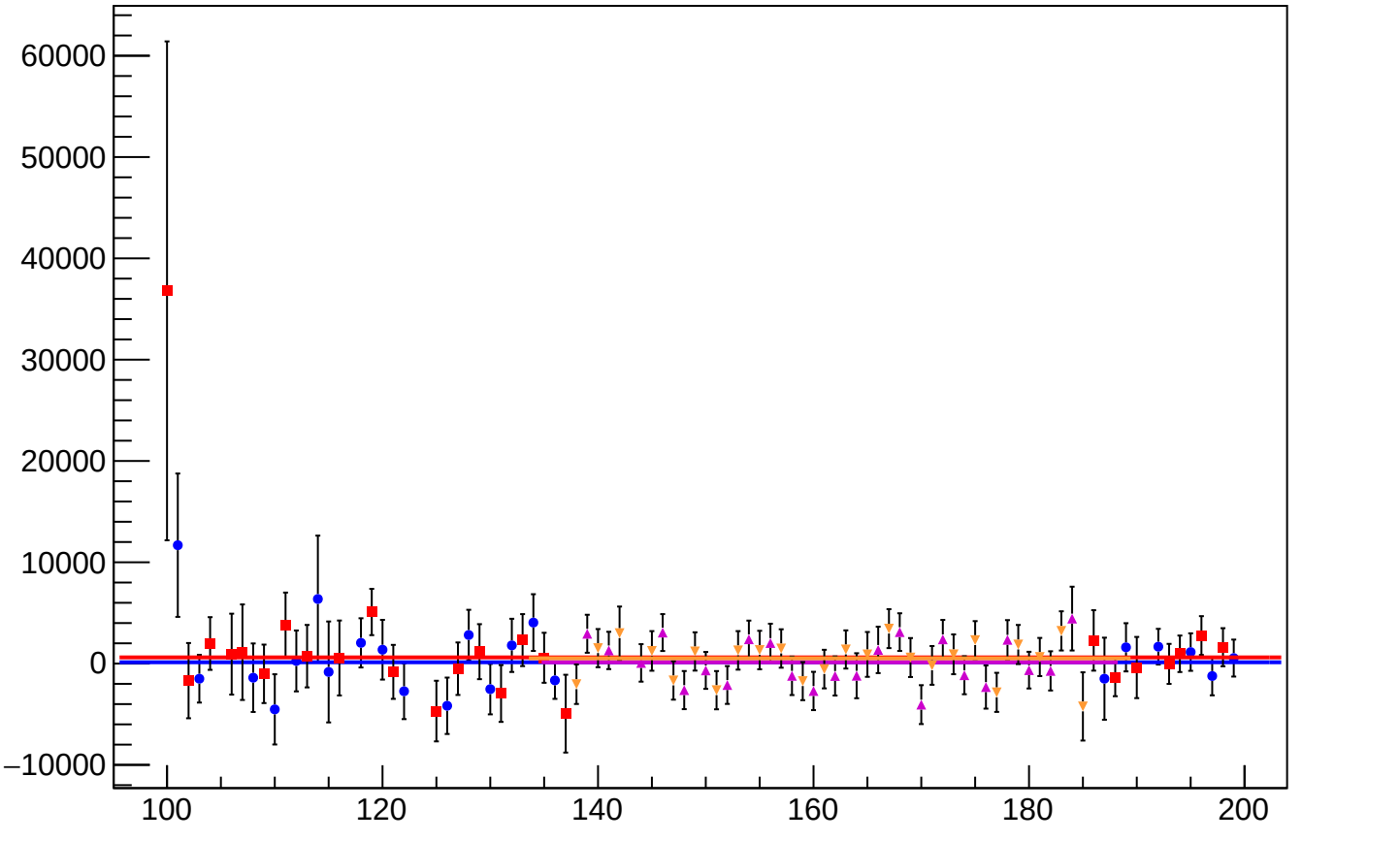
Left: 902.210+/-0.106 χ^2/NDF: 948102.8/46

Right: 1624.427+/-0.248 χ^2/NDF: 4194438.2/46

In: 1011.498+/-0.138 χ^2/NDF:5615738.4/44

Out: 1015.981+/-0.138 χ^2/NDF:6702102.2/48

All: 1013.745+/-0.097 χ^2/NDF: 12318369.8/9



Right In: 129.177+/-541.083 χ^2/NDF: 18.2/21

Left Out: 519.957+/-401.705 χ^2/NDF:20.8/23

Right Out: 611.985+/-527.400 χ^2/NDF: 19.0/24

Left In: 126.091+/-404.630 χ^2/NDF:29.5/22

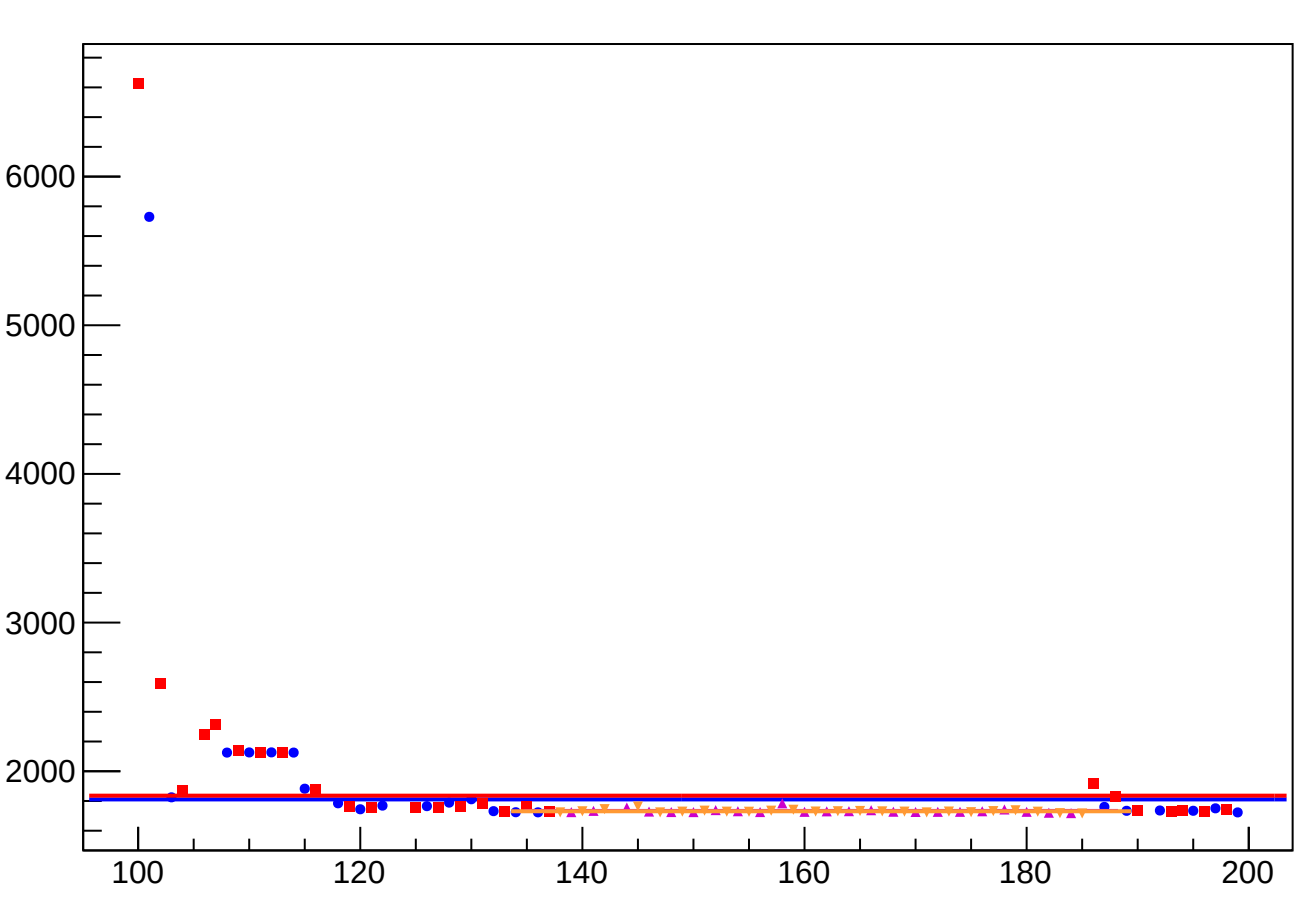
Left: 324.453+/-285.077 χ^2/NDF: 50.7/46

Right: 376.763+/-377.673 χ^2/NDF: 37.7/46

In: 127.198+/-324.044 χ^2/NDF:47.7/44

Out: 553.744+/-319.565 χ^2/NDF:39.8/48

All: 343.439+/-227.534 χ^2/NDF: 88.4/93



Right In: 1810.484+/-0.383 χ^2/NDF: 701789.7/21

Left Out: 1730.847+/-0.284 χ^2/NDF:969.7/23

Right Out: 1835.787+/-0.373 χ^2/NDF: 300413.3/24

Left In: 1733.007+/-0.286 χ^2/NDF:2237.4/22

Left: 1731.919+/-0.202 χ^2/NDF: 3235.8/46

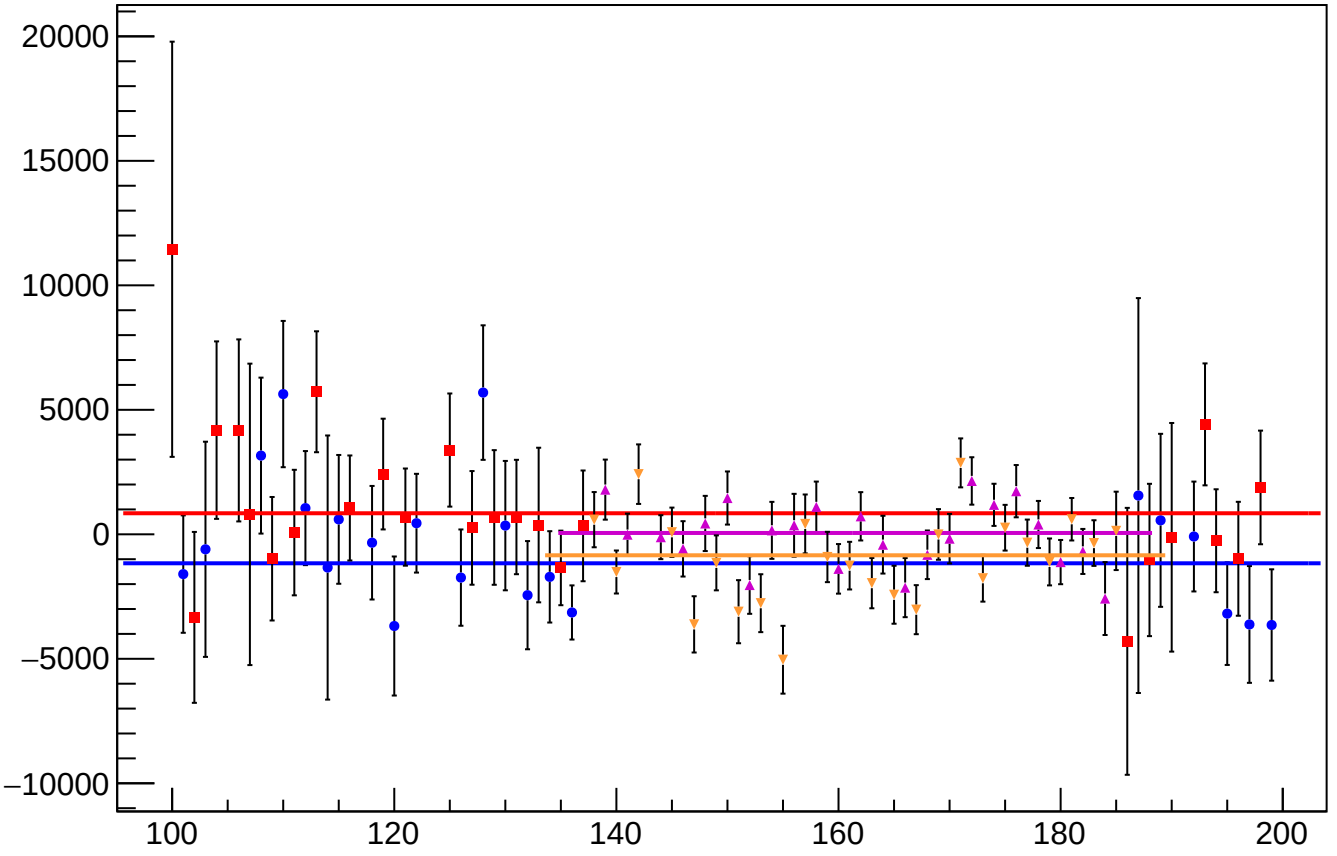
Right: 1823.459+/-0.267 χ^2/NDF: 1004445.7/46

In: 1760.795+/-0.229 χ^2/NDF:730326.3/44

Out: 1769.375+/-0.226 χ^2/NDF:351493.9/48

All: 1765.145+/-0.161 χ^2/NDF: 1082531.1/93

asym_us_dd_at1lr_dd_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: -1163.835+/-486.198 χ^2/NDF: 24.8/21

Left Out: -842.473+/-210.853 χ^2/NDF:62.7/23

Right Out: 845.603+/-506.629 χ^2/NDF: 18.1/24

Left In: 53.927+/-212.965 χ^2/NDF:30.6/22

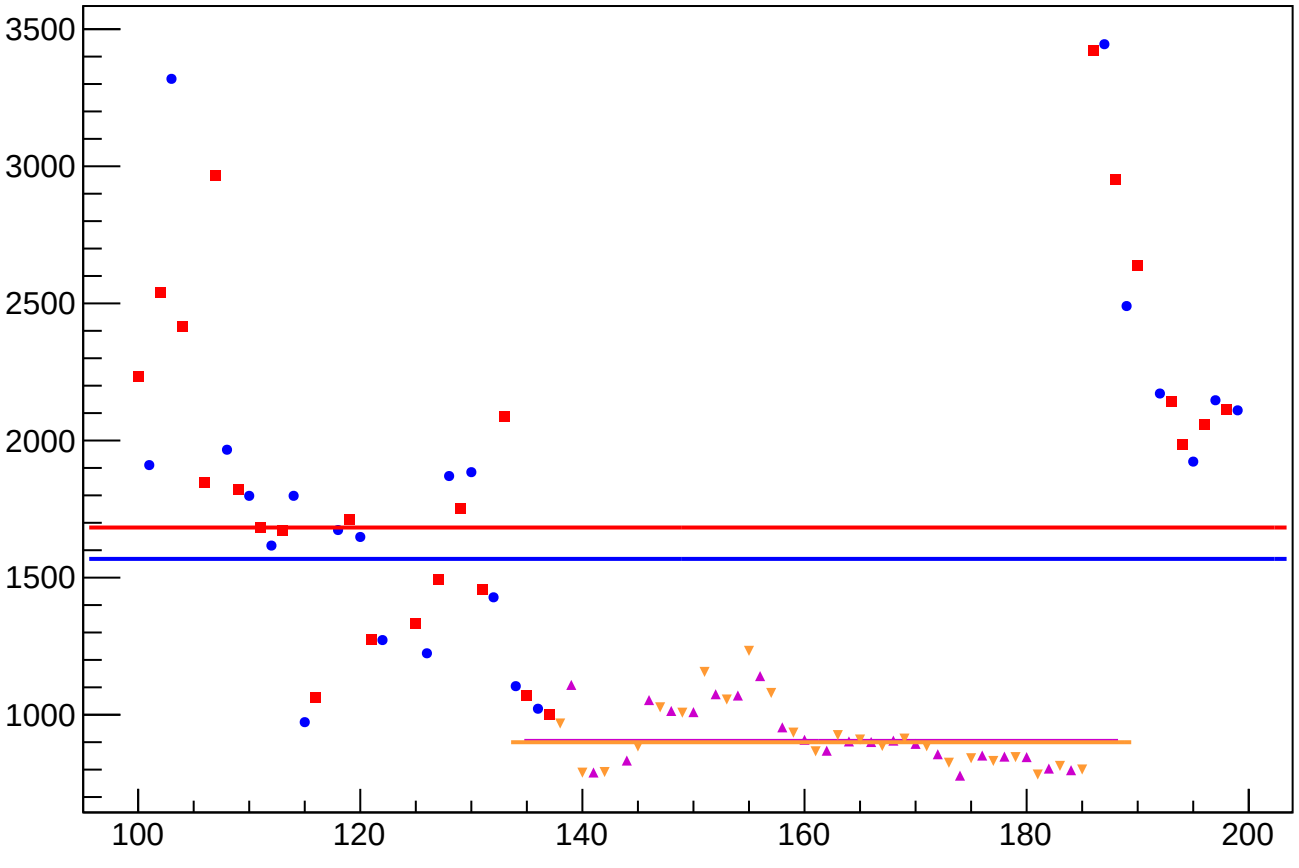
Left: -398.741+/-149.837 χ^2/NDF: 102.3/46

Right: -200.450+/-350.794 χ^2/NDF: 51.1/46

In: -142.105+/-195.072 χ^2/NDF:60.7/44

Out: -593.247+/-194.666 χ^2/NDF:90.3/48

All: -368.146+/-137.793 χ^2/NDF: 153.7/93



Right In: 1568.349+/-0.344 χ^2/NDF: 2035716.2/21

Left Out: 899.814+/-0.149 χ^2/NDF:495276.2/23

Right Out: 1682.775+/-0.358 χ^2/NDF: 2097643.9/24

Left In: 904.653+/-0.151 χ^2/NDF:452259.2/22

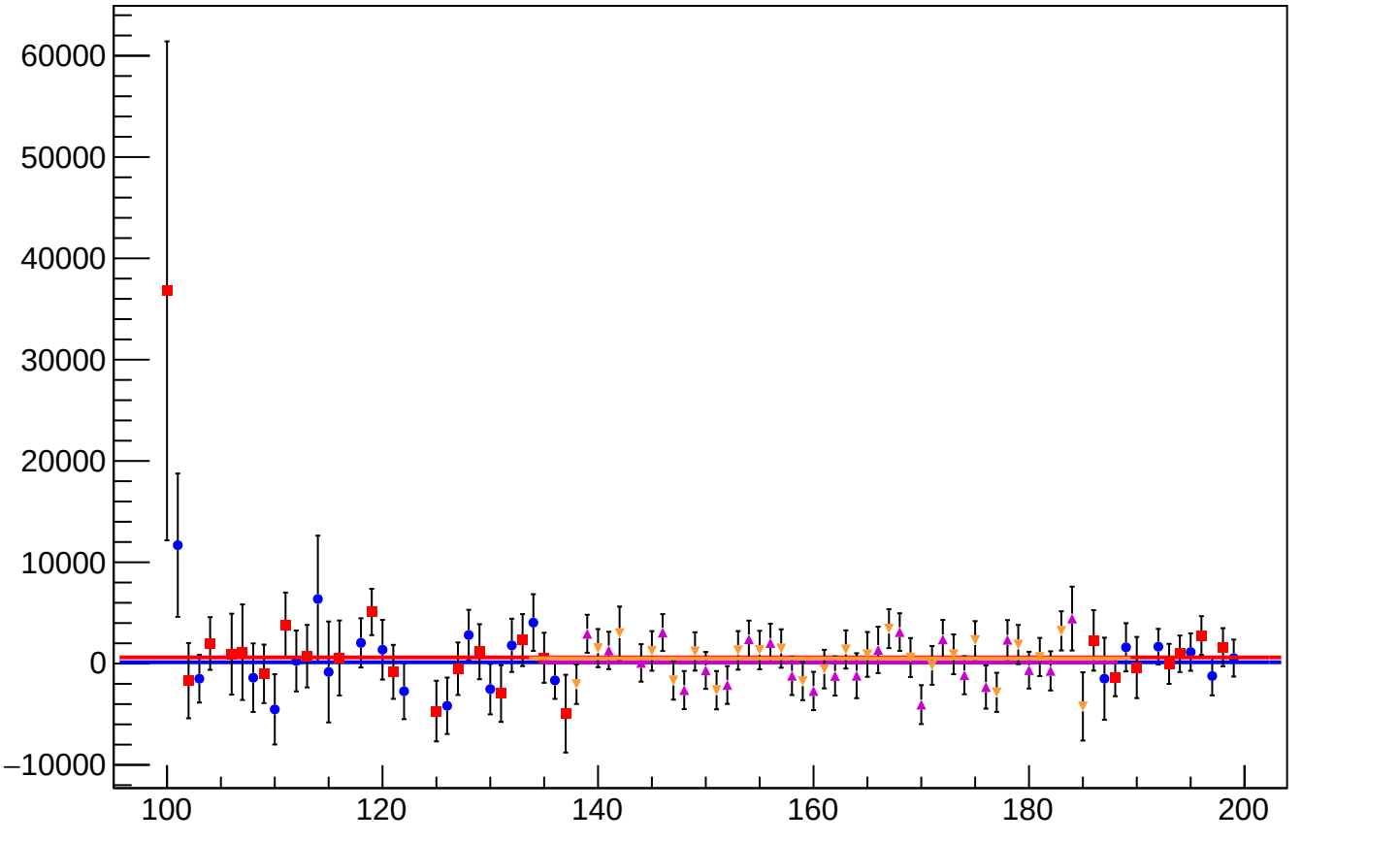
Left: 902.209+/-0.106 χ^2/NDF: 948056.7/46

Right: 1623.208+/-0.248 χ^2/NDF: 4186470.3/46

In: 1011.493+/-0.138 χ^2/NDF:5614886.2/44

Out: 1015.410+/-0.138 χ^2/NDF:6664404.5/48

All: 1013.456+/-0.097 χ^2/NDF: 12279694.7/9



Right In: 129.177+/-541.083 χ^2/NDF: 18.2/21

Left Out: 519.957+/-401.705 χ^2/NDF:20.8/23

Right Out: 611.985+/-527.400 χ^2/NDF: 19.0/24

Left In: 126.091+/-404.630 χ^2/NDF:29.5/22

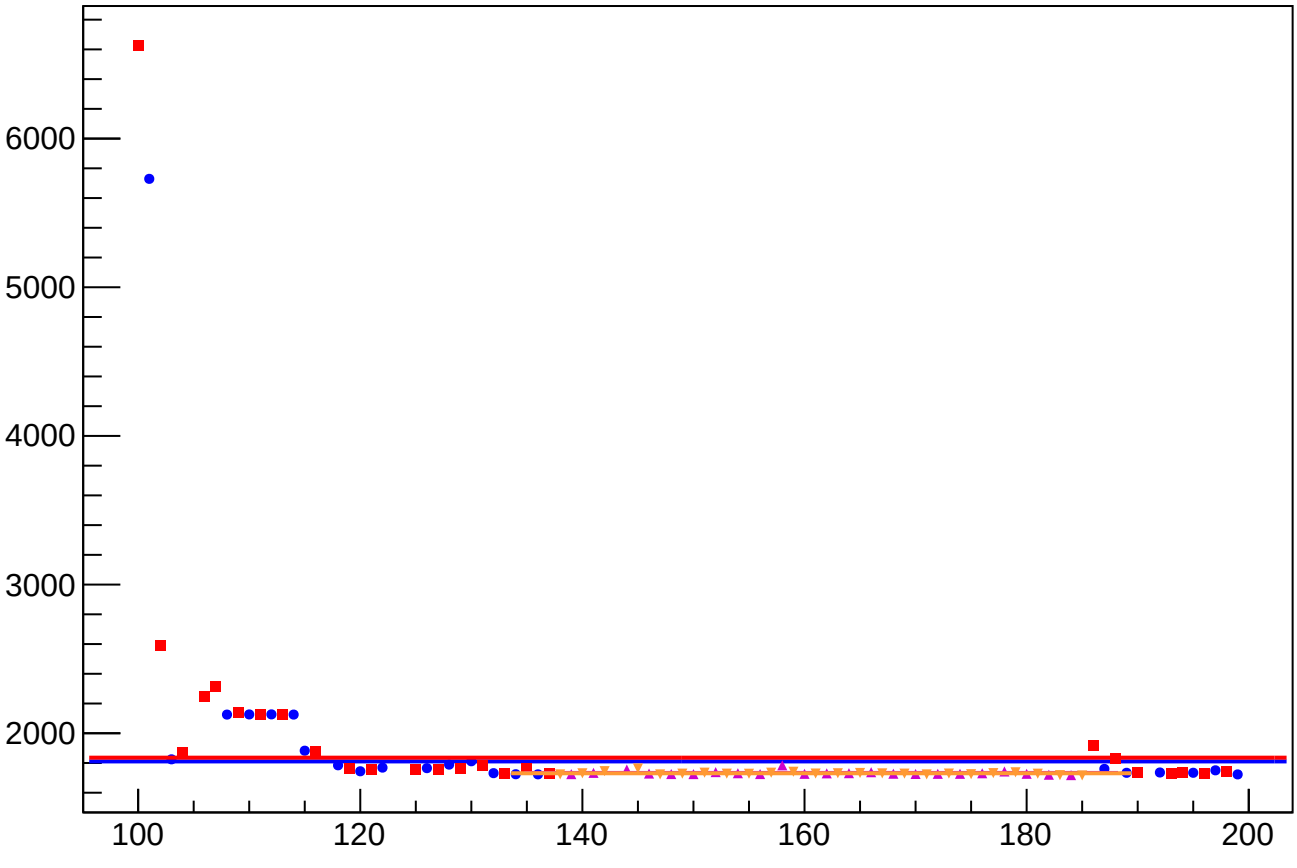
Left: 324.453+/-285.077 χ^2/NDF: 50.7/46

Right: 376.763+/-377.673 χ^2/NDF: 37.7/46

In: 127.198+/-324.044 χ^2/NDF:47.7/44

Out: 553.744+/-319.565 χ^2/NDF:39.8/48

All: 343.439+/-227.534 χ^2/NDF: 88.4/93



Right In: 1810.484+/-0.383 χ^2/NDF: 701789.7/21

Left Out: 1730.847+/-0.284 χ^2/NDF:969.7/23

Right Out: 1835.787+/-0.373 χ^2/NDF: 300413.3/24

Left In: 1733.007+/-0.286 χ^2/NDF:2237.4/22

Left: 1731.919+/-0.202 χ^2/NDF: 3235.8/46

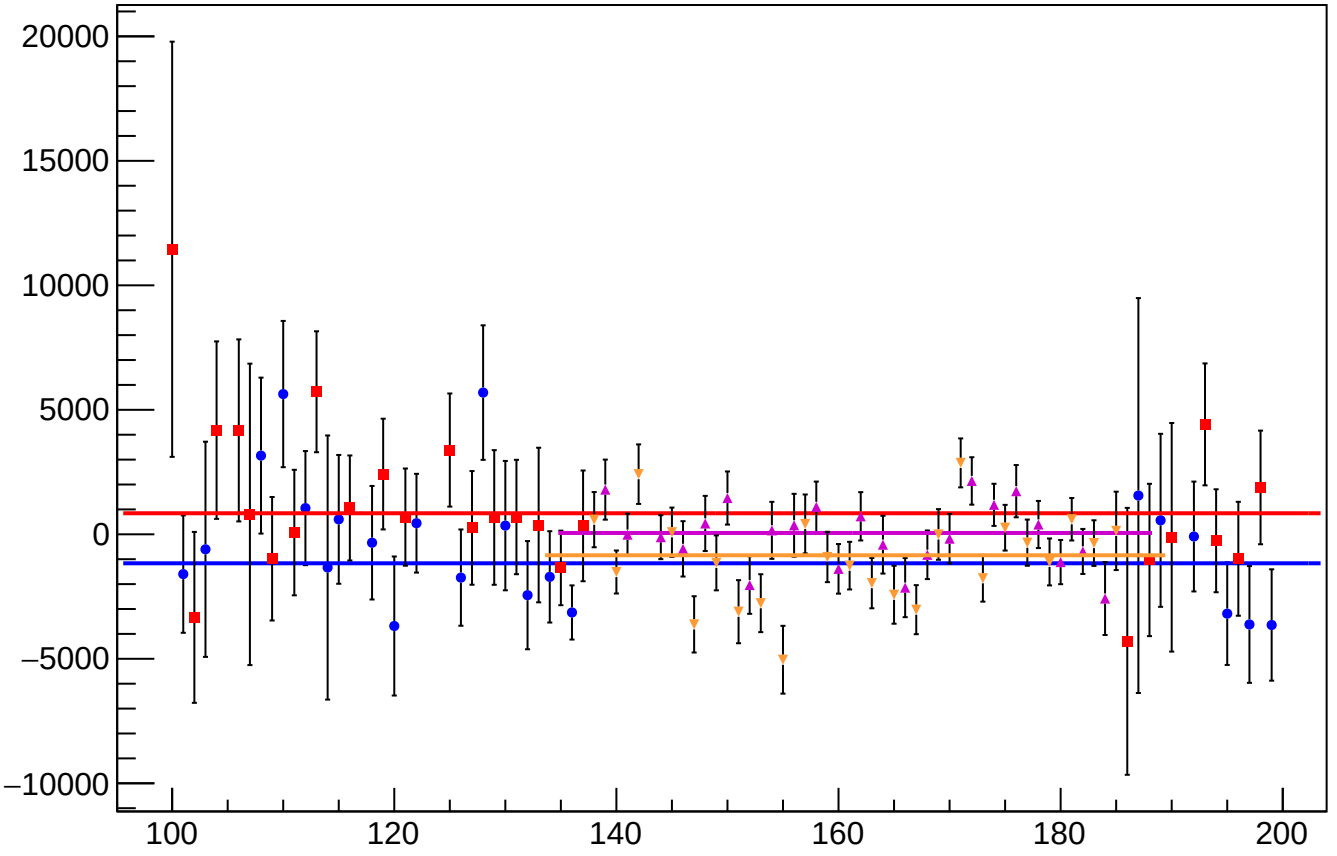
Right: 1823.459+/-0.267 χ^2/NDF: 1004445.7/46

In: 1760.795+/-0.229 χ^2/NDF:730326.3/44

Out: 1769.375+/-0.226 χ^2/NDF:351493.9/48

All: 1765.145+/-0.161 χ^2/NDF: 1082531.1/93

asym_us_dd_at1lr_dd_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -1163.835+/-486.198 χ^2/NDF: 24.8/21

Left Out: -842.473+/-210.853 χ^2/NDF:62.7/23

Right Out: 845.603+/-506.629 χ^2/NDF: 18.1/24

Left In: 53.927+/-212.965 χ^2/NDF:30.6/22

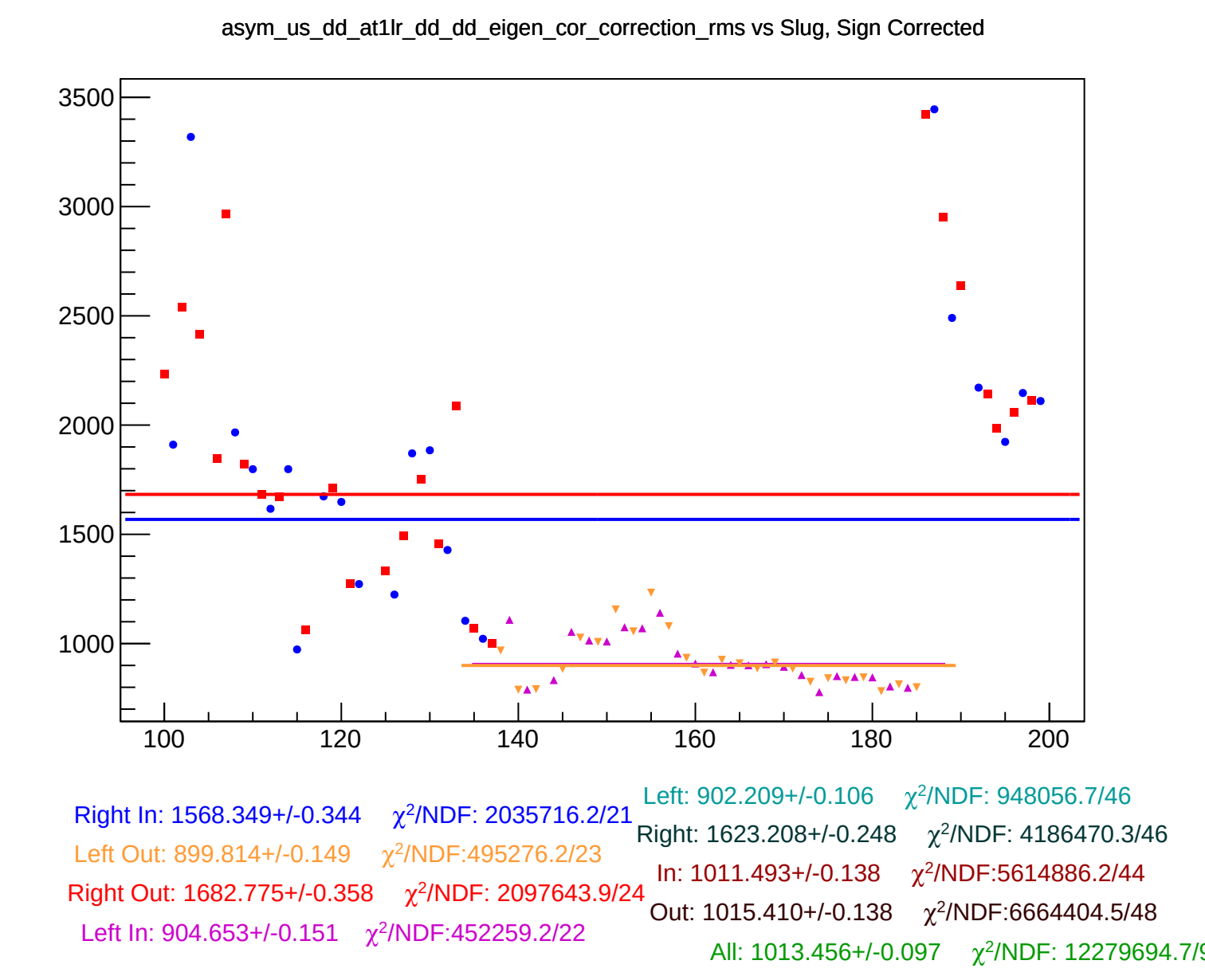
Left: -398.741+/-149.837 χ^2/NDF: 102.3/46

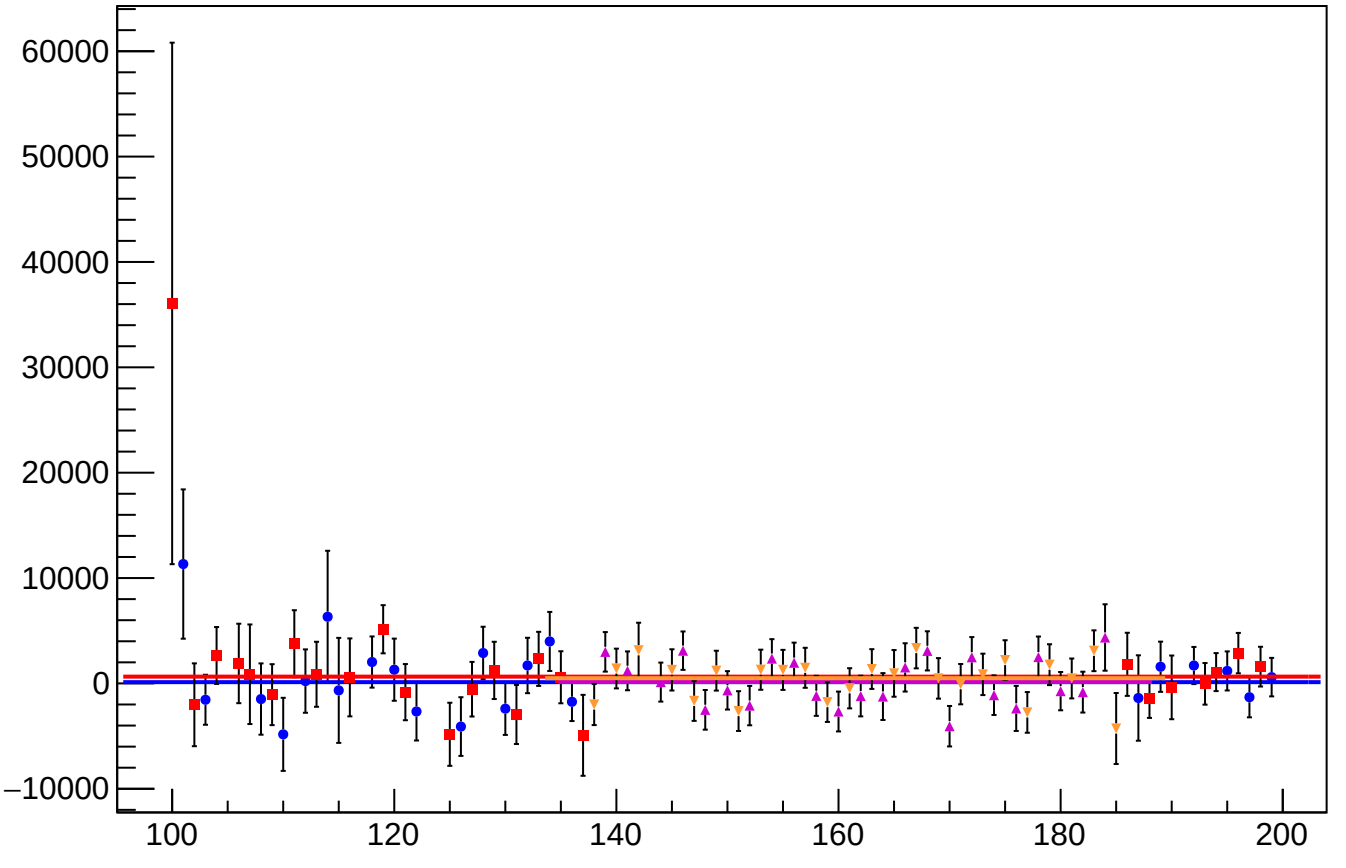
Right: -200.450+/-350.794 χ^2/NDF: 51.1/46

In: -142.105+/-195.072 χ^2/NDF:60.7/44

Out: -593.247+/-194.666 χ^2/NDF:90.3/48

All: -368.146+/-137.793 χ^2/NDF: 153.7/93


asym_us_dd_at1lr_dd_dd_eigen_cor_correction_rms vs Slug, Sign Corrected
3500
3000
2500
2000
1500
1000
100
120
140
160
180
200
Right In: 1568.349+/-0.344 χ²/NDF: 2035716.2/21
Left Out: 899.814+/-0.149 χ²/NDF:495276.2/23
Right Out: 1682.775+/-0.358 χ²/NDF: 2097643.9/24
Left In: 904.653+/-0.151 χ²/NDF:452259.2/22
Left: 902.209+/-0.106 χ²/NDF: 948056.7/46
Right: 1623.208+/-0.248 χ²/NDF: 4186470.3/46
In: 1011.493+/-0.138 χ²/NDF:5614886.2/44
Out: 1015.410+/-0.138 χ²/NDF:6664404.5/48
All: 1013.456+/-0.097 χ²/NDF: 12279694.7/9



Right In: 119.713+/-541.752 χ^2/NDF: 18.2/21

Left Out: 494.897+/-402.069 χ^2/NDF:20.1/23

Right Out: 644.553+/-528.672 χ^2/NDF: 19.7/24

Left In: 137.162+/-404.995 χ^2/NDF:29.6/22

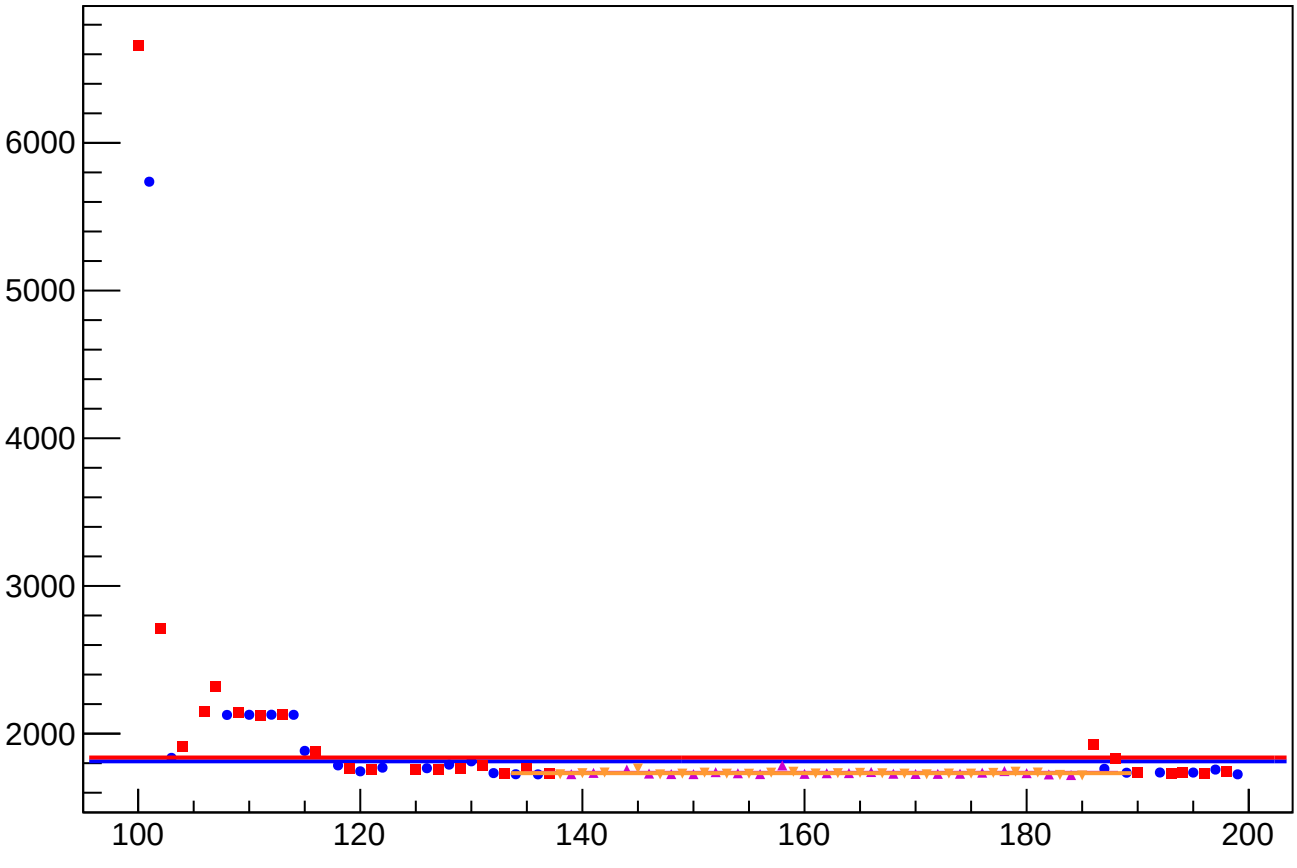
Left: 317.326+/-285.335 χ^2/NDF: 50.0/46

Right: 388.546+/-378.367 χ^2/NDF: 38.4/46

In: 130.907+/-324.374 χ^2/NDF:47.7/44

Out: 549.738+/-320.031 χ^2/NDF:39.8/48

All: 343.145+/-227.816 χ^2/NDF: 88.4/93



Right In: 1812.544+/-0.383 χ^2/NDF: 701935.2/21

Left Out: 1732.389+/-0.284 χ^2/NDF:910.8/23

Right Out: 1838.433+/-0.374 χ^2/NDF: 310785.4/24

Left In: 1734.568+/-0.286 χ^2/NDF:2215.7/22

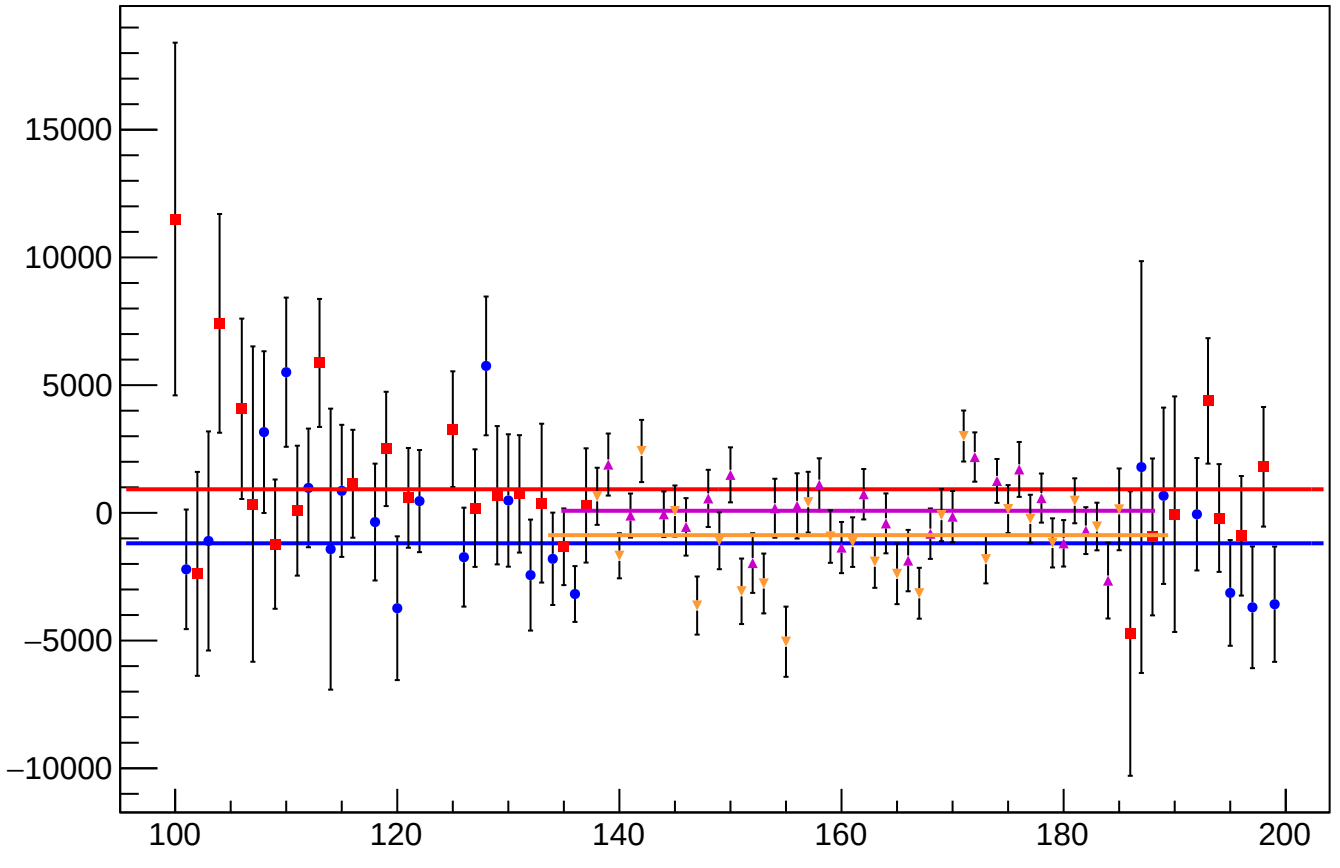
Left: 1733.471+/-0.202 χ^2/NDF: 3155.7/46

Right: 1825.805+/-0.268 χ^2/NDF: 1015060.0/46

In: 1762.523+/-0.229 χ^2/NDF:730730.4/44

Out: 1771.249+/-0.226 χ^2/NDF:362678.3/48

All: 1766.945+/-0.161 χ^2/NDF: 1094142.1/93



Right In: -1191.745+/-487.523 χ^2/NDF: 25.0/21

Left Out: -872.827+/-214.008 χ^2/NDF:62.0/23

Right Out: 923.181+/-513.122 χ^2/NDF: 19.4/24

Left In: 81.519+/-215.913 χ^2/NDF:30.0/22

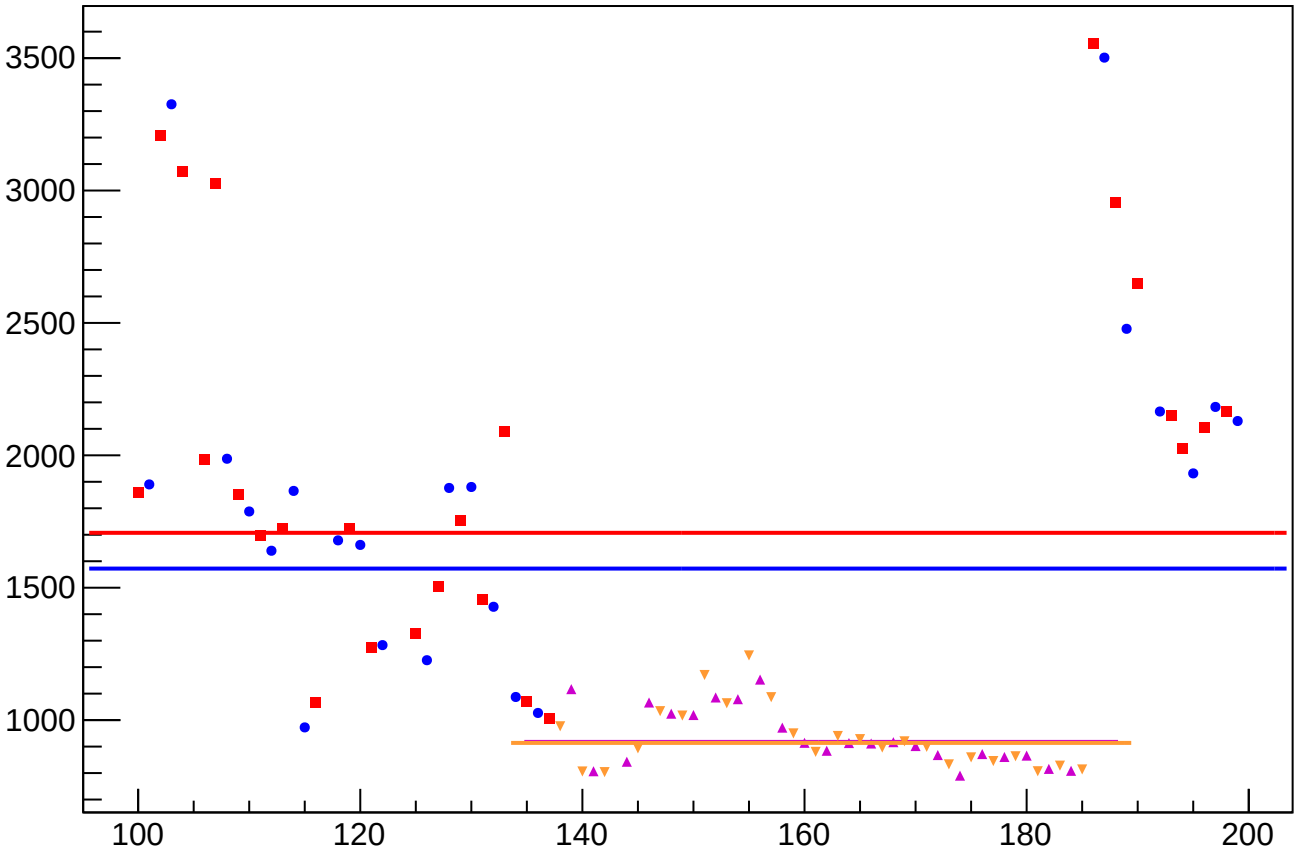
Left: -399.884+/-151.996 χ^2/NDF: 101.8/46

Right: -188.350+/-353.434 χ^2/NDF: 53.4/46

In: -127.268+/-197.419 χ^2/NDF:60.7/44

Out: -606.707+/-197.517 χ^2/NDF:91.8/48

All: -366.868+/-139.631 χ^2/NDF: 155.5/93



Right In: 1572.257+/-0.345 χ^2/NDF: 2058663.6/21

Left Out: 913.899+/-0.151 χ^2/NDF:462850.2/23

Right Out: 1707.295+/-0.363 χ^2/NDF: 2441026.4/24

Left In: 917.674+/-0.153 χ^2/NDF:430498.5/22

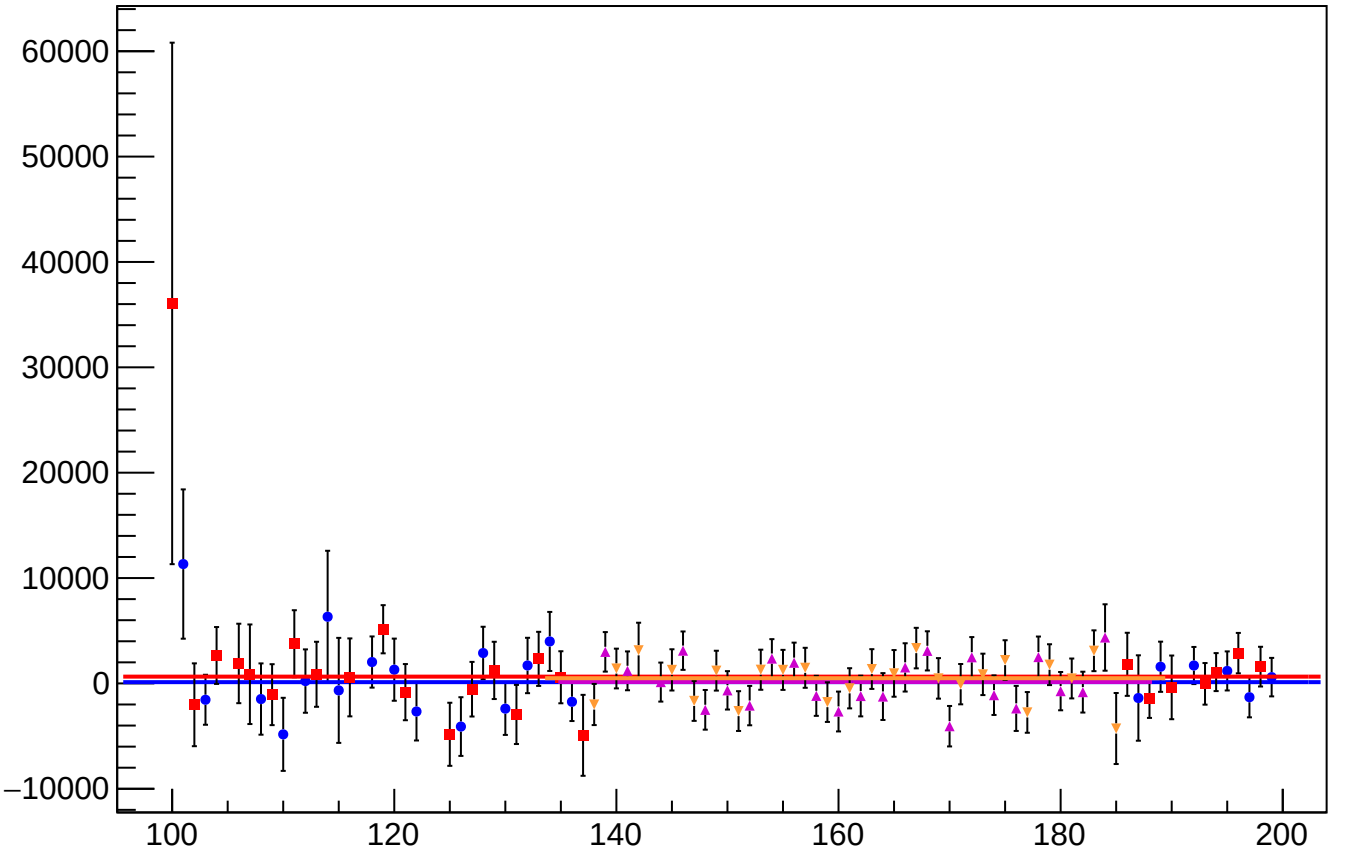
Left: 915.770+/-0.107 χ^2/NDF: 893657.1/46

Right: 1636.324+/-0.250 χ^2/NDF: 4572489.7/46

In: 1025.011+/-0.140 χ^2/NDF:5503460.6/44

Out: 1031.459+/-0.140 χ^2/NDF:6976941.1/48

All: 1028.233+/-0.099 χ^2/NDF: 12481467.8/9



Right In: 119.715+/-541.752 χ^2/NDF: 18.2/21

Left Out: 494.897+/-402.069 χ^2/NDF:20.1/23

Right Out: 644.552+/-528.672 χ^2/NDF: 19.7/24

Left In: 137.163+/-404.995 χ^2/NDF:29.6/22

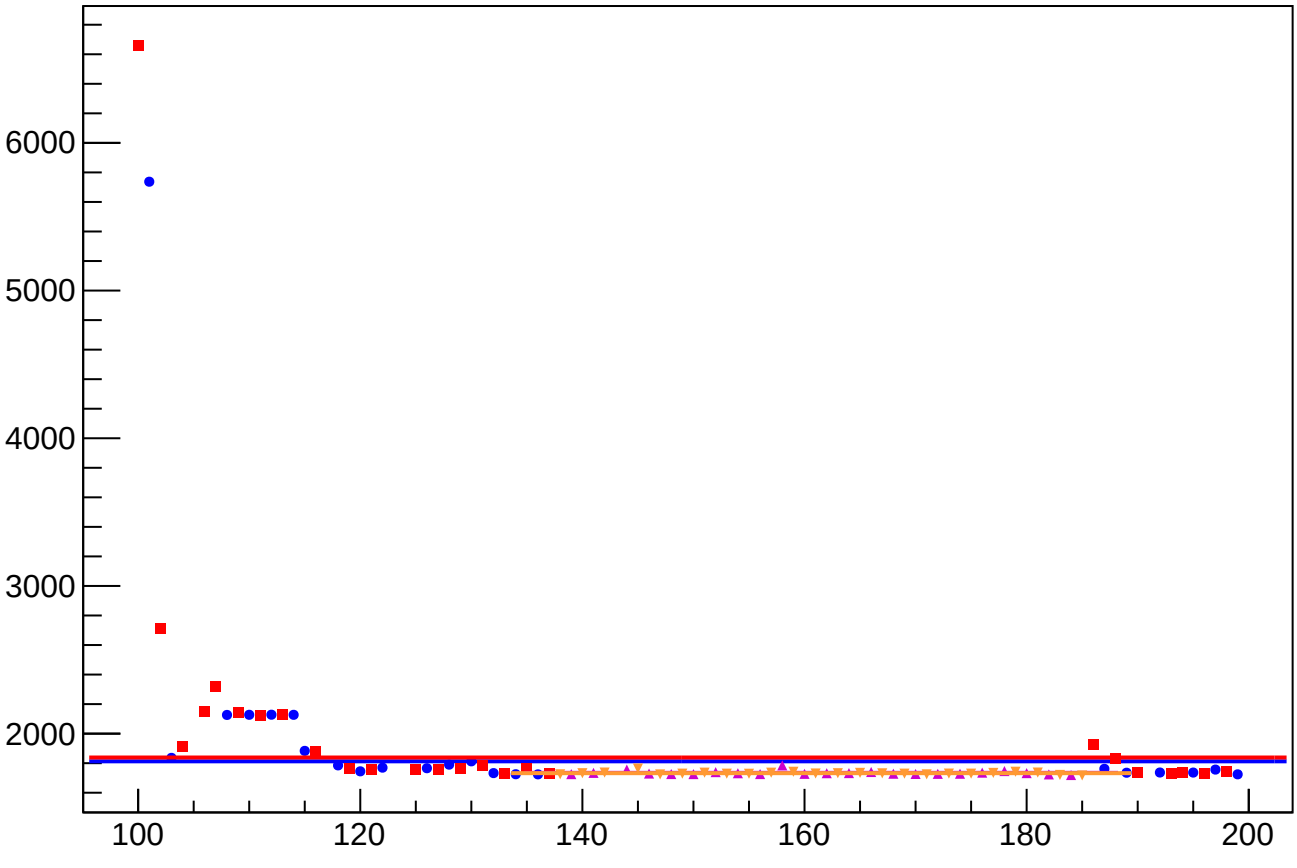
Left: 317.327+/-285.335 χ^2/NDF: 50.0/46

Right: 388.546+/-378.367 χ^2/NDF: 38.4/46

In: 130.908+/-324.374 χ^2/NDF:47.7/44

Out: 549.738+/-320.031 χ^2/NDF:39.8/48

All: 343.146+/-227.816 χ^2/NDF: 88.4/93



Right In: 1812.544+/-0.383 χ^2/NDF: 701935.2/21

Left Out: 1732.389+/-0.284 χ^2/NDF:910.8/23

Right Out: 1838.433+/-0.374 χ^2/NDF: 310785.2/24

Left In: 1734.568+/-0.286 χ^2/NDF:2215.7/22

Left: 1733.471+/-0.202 χ^2/NDF: 3155.7/46

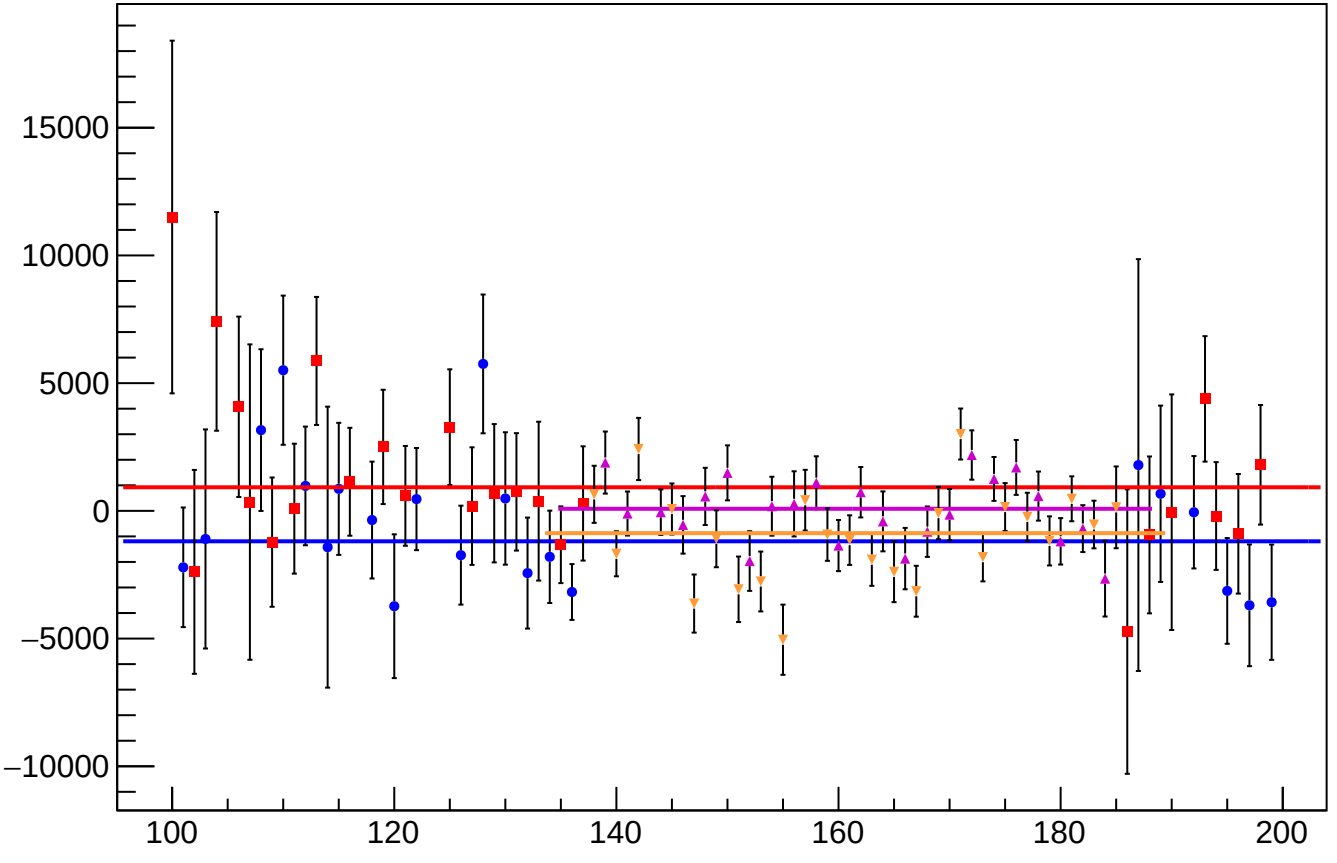
Right: 1825.805+/-0.268 χ^2/NDF: 1015059.8/46

In: 1762.523+/-0.229 χ^2/NDF:730730.4/44

Out: 1771.249+/-0.226 χ^2/NDF:362678.0/48

All: 1766.944+/-0.161 χ^2/NDF: 1094141.8/93

asym_us_dd_at1lr_dd_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -1191.739+/-487.522 χ^2/NDF: 25.0/21

Left Out: -872.826+/-214.008 χ^2/NDF:62.0/23

Right Out: 923.181+/-513.121 χ^2/NDF: 19.4/24

Left In: 81.518+/-215.913 χ^2/NDF:30.0/22

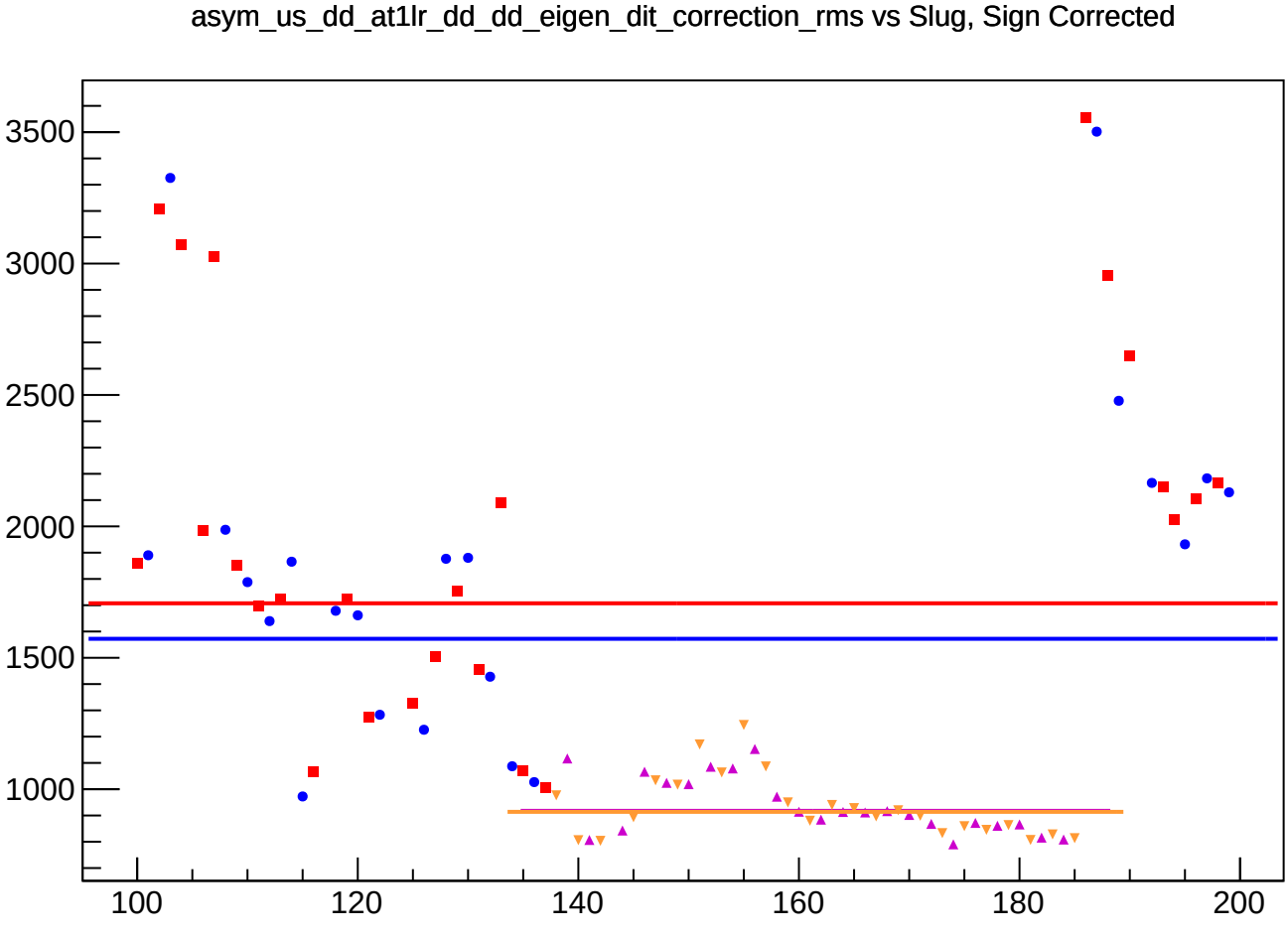
Left: -399.884+/-151.996 χ^2/NDF: 101.8/46

Right: -188.348+/-353.434 χ^2/NDF: 53.4/46

In: -127.269+/-197.419 χ^2/NDF:60.7/44

Out: -606.706+/-197.517 χ^2/NDF:91.8/48

All: -366.868+/-139.631 χ^2/NDF: 155.5/93



Right In: 1572.254+/-0.345 χ^2/NDF: 2058668.6/21

Left Out: 913.898+/-0.151 χ^2/NDF:462858.6/23

Right Out: 1707.293+/-0.363 χ^2/NDF: 2441033.2/24

Left In: 917.674+/-0.153 χ^2/NDF:430509.1/22

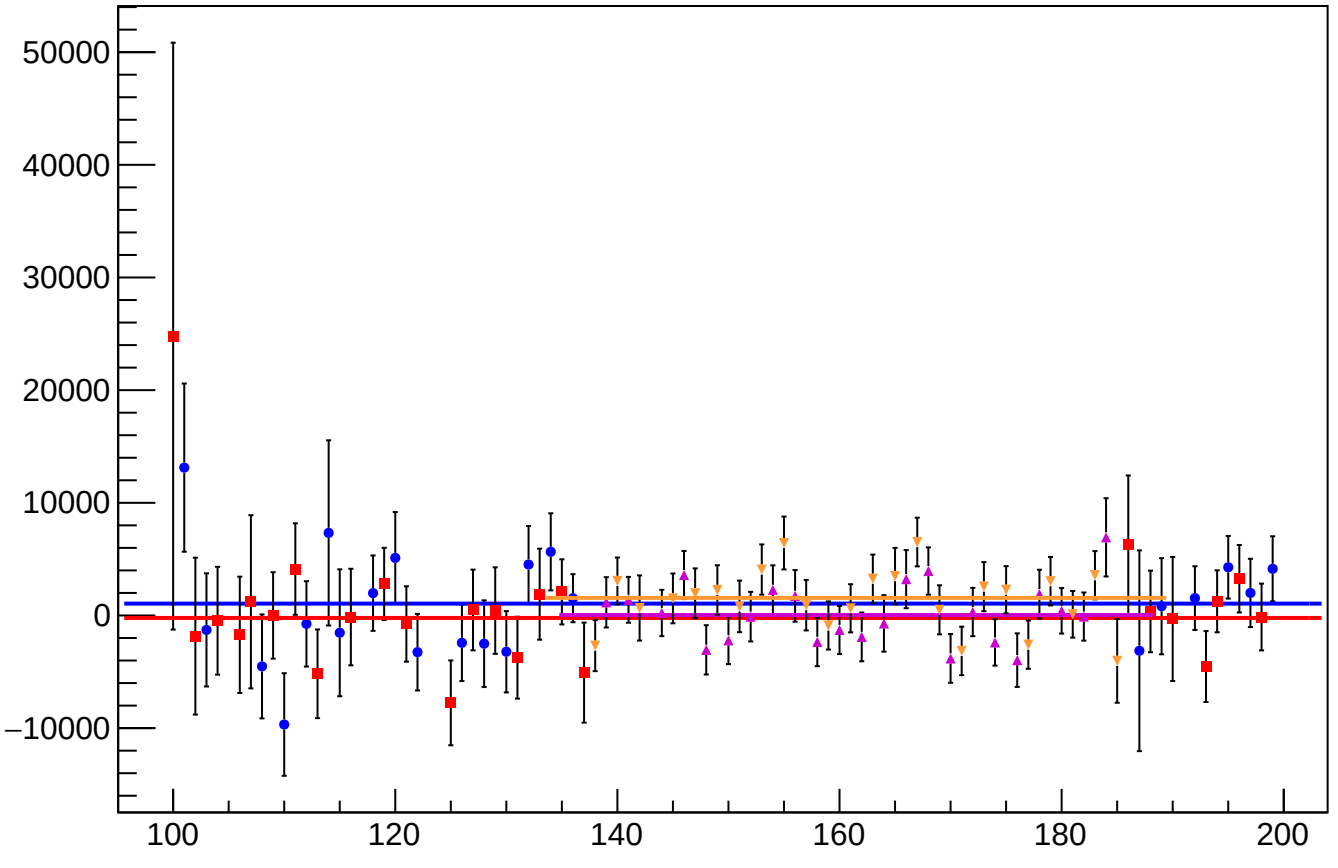
Left: 915.769+/-0.107 χ^2/NDF: 893676.2/46

Right: 1636.321+/-0.250 χ^2/NDF: 4572502.2/46

In: 1025.011+/-0.140 χ^2/NDF:5503460.5/44

Out: 1031.458+/-0.140 χ^2/NDF:6976942.5/48

All: 1028.233+/-0.099 χ^2/NDF: 12481469.2/9



Right In: 1052.033+/-772.033 χ^2/NDF: 22.6/21

Left Out: 1561.357+/-456.883 χ^2/NDF:31.2/23

Right Out: -219.096+/-773.164 χ^2/NDF: 16.5/24

Left In: 39.885+/-459.938 χ^2/NDF:27.8/22

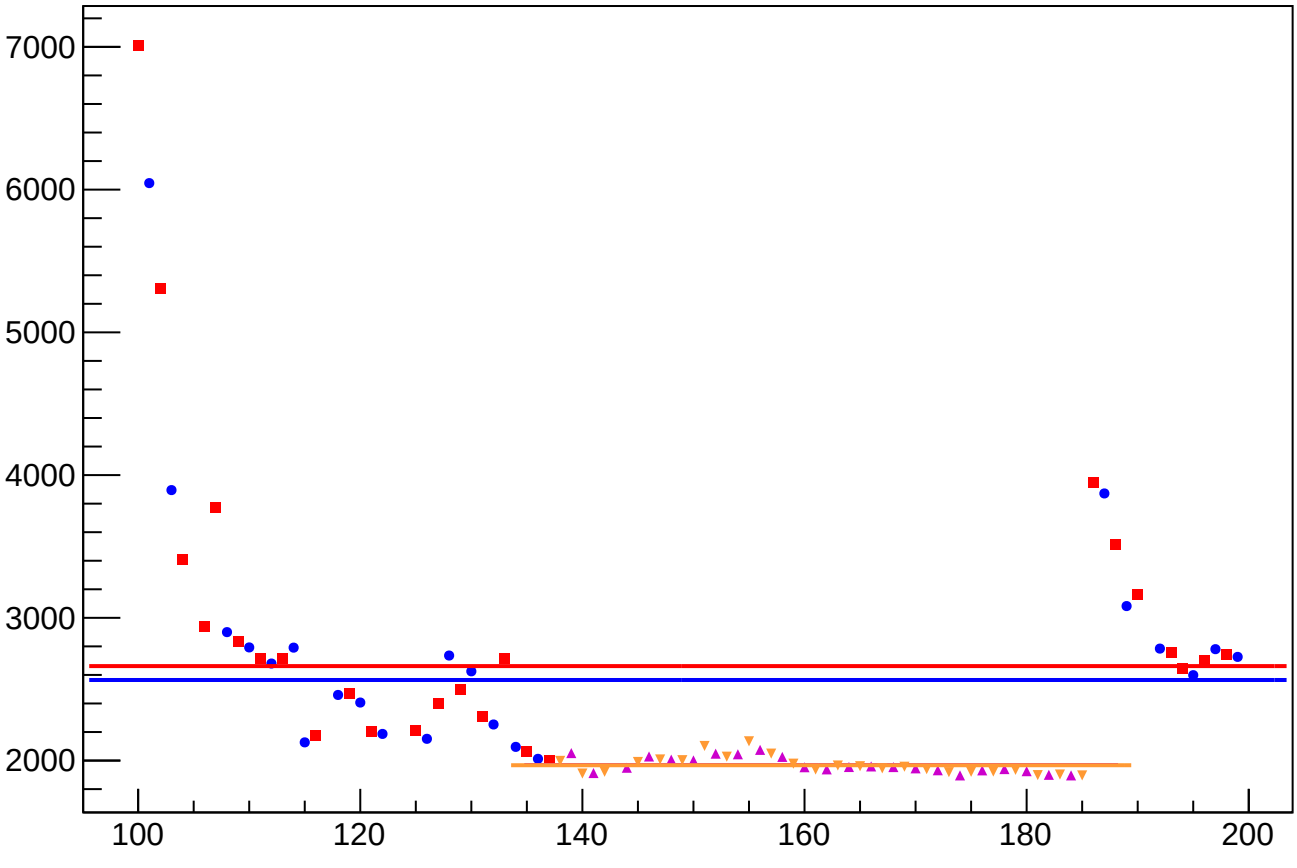
Left: 805.690+/-324.140 χ^2/NDF: 64.6/46

Right: 417.398+/-546.309 χ^2/NDF: 40.4/46

In: 305.014+/-395.132 χ^2/NDF:51.6/44

Out: 1100.546+/-393.340 χ^2/NDF:51.7/48

All: 704.589+/-278.765 χ^2/NDF: 105.4/93



Right In: 2564.531+/-0.546 χ^2/NDF: 959611.6/21

Left Out: 1967.416+/-0.323 χ^2/NDF:34217.6/23

Right Out: 2661.899+/-0.547 χ^2/NDF: 926021.5/24

Left In: 1969.022+/-0.325 χ^2/NDF:26523.0/22

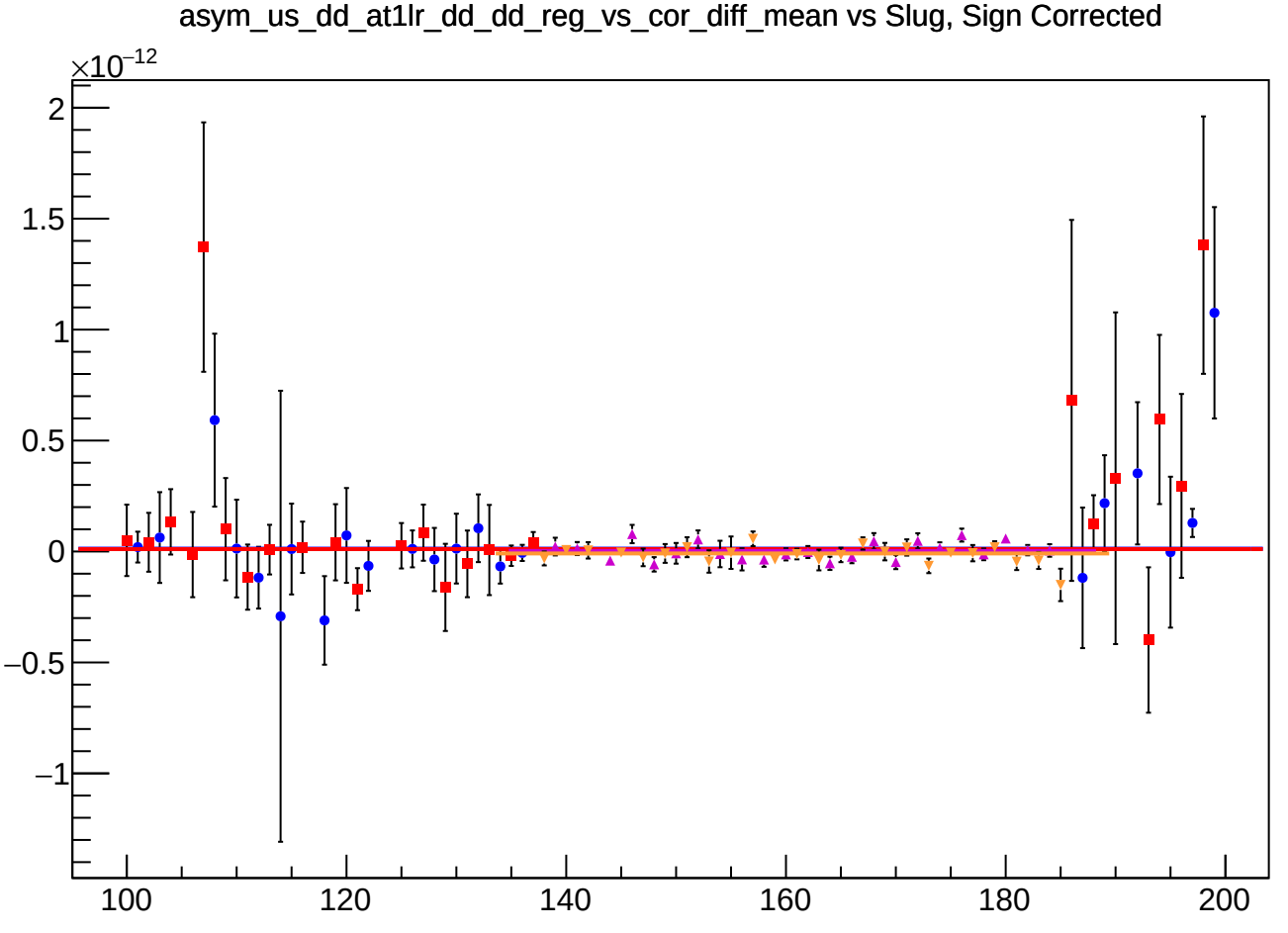
Left: 1968.213+/-0.229 χ^2/NDF: 60752.9/46

Right: 2613.144+/-0.386 χ^2/NDF: 1901515.8/46

In: 2125.014+/-0.279 χ^2/NDF:1864391.9/44

Out: 2147.160+/-0.278 χ^2/NDF:2156257.2/48

All: 2136.137+/-0.197 χ^2/NDF: 4023804.7/93



Right In: 0.000+/-0.000 χ^2/NDF: 18.8/21

Left Out: -0.000+/-0.000 χ^2/NDF:20.8/23

Right Out: 0.000+/-0.000 χ^2/NDF: 24.9/24

Left In: 0.000+/-0.000 χ^2/NDF:38.9/22

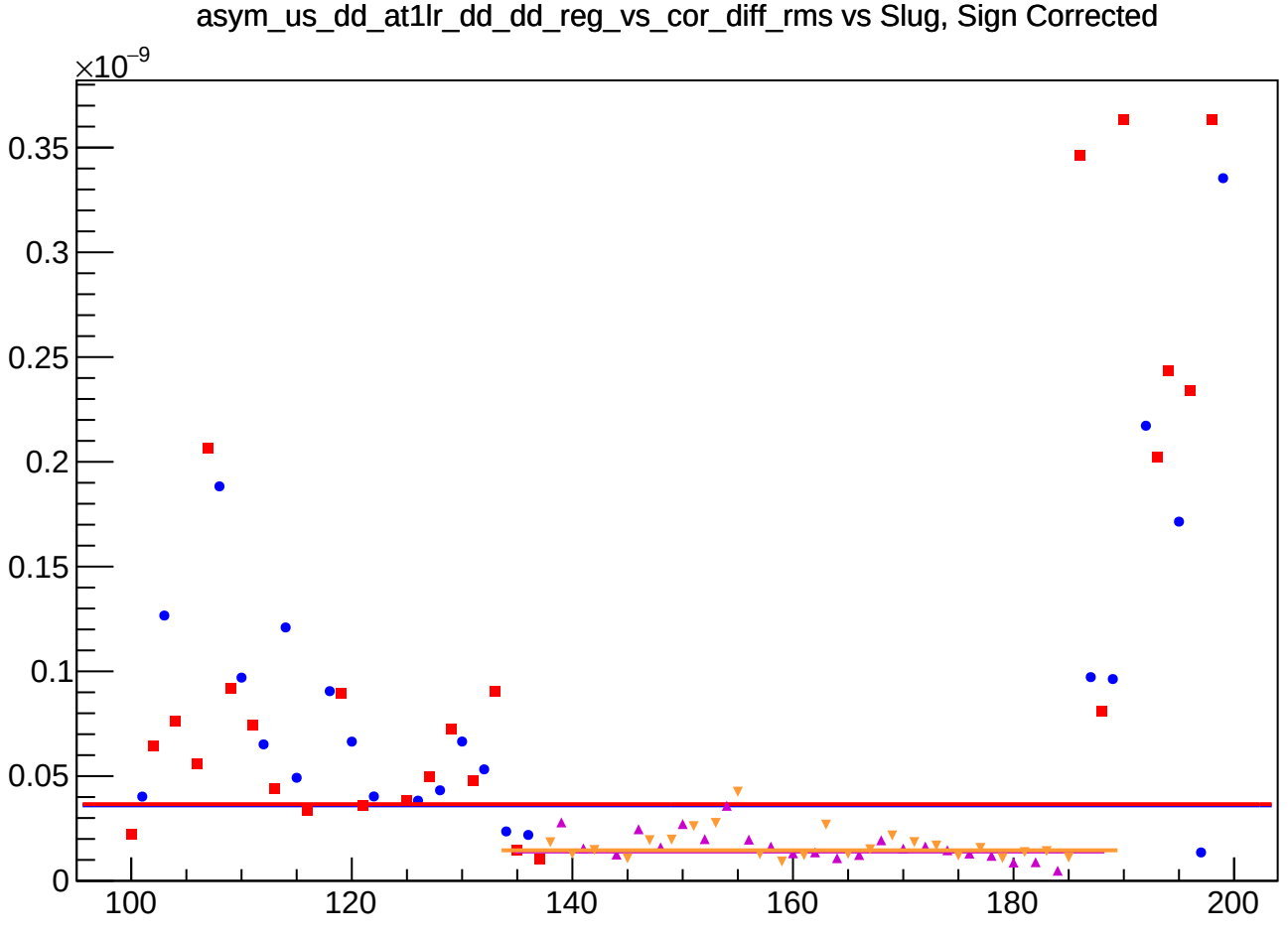
Left: -0.000+/-0.000 χ^2/NDF: 61.3/46

Right: 0.000+/-0.000 χ^2/NDF: 43.7/46

In: 0.000+/-0.000 χ^2/NDF:57.9/44

Out: -0.000+/-0.000 χ^2/NDF:46.3/48

All: -0.000+/-0.000 χ^2/NDF: 105.7/93



Right In: 0.000+/-0.000 χ^2/NDF: 3848419.6/21

Left Out: 0.000+/-0.000 χ^2/NDF:1178225.5/23

Right Out: 0.000+/-0.000 χ^2/NDF: 5255362.2/24

Left In: 0.000+/-0.000 χ^2/NDF:1430937.9/22

Left: 0.000+/-0.000 χ^2/NDF: 2616610.3/46

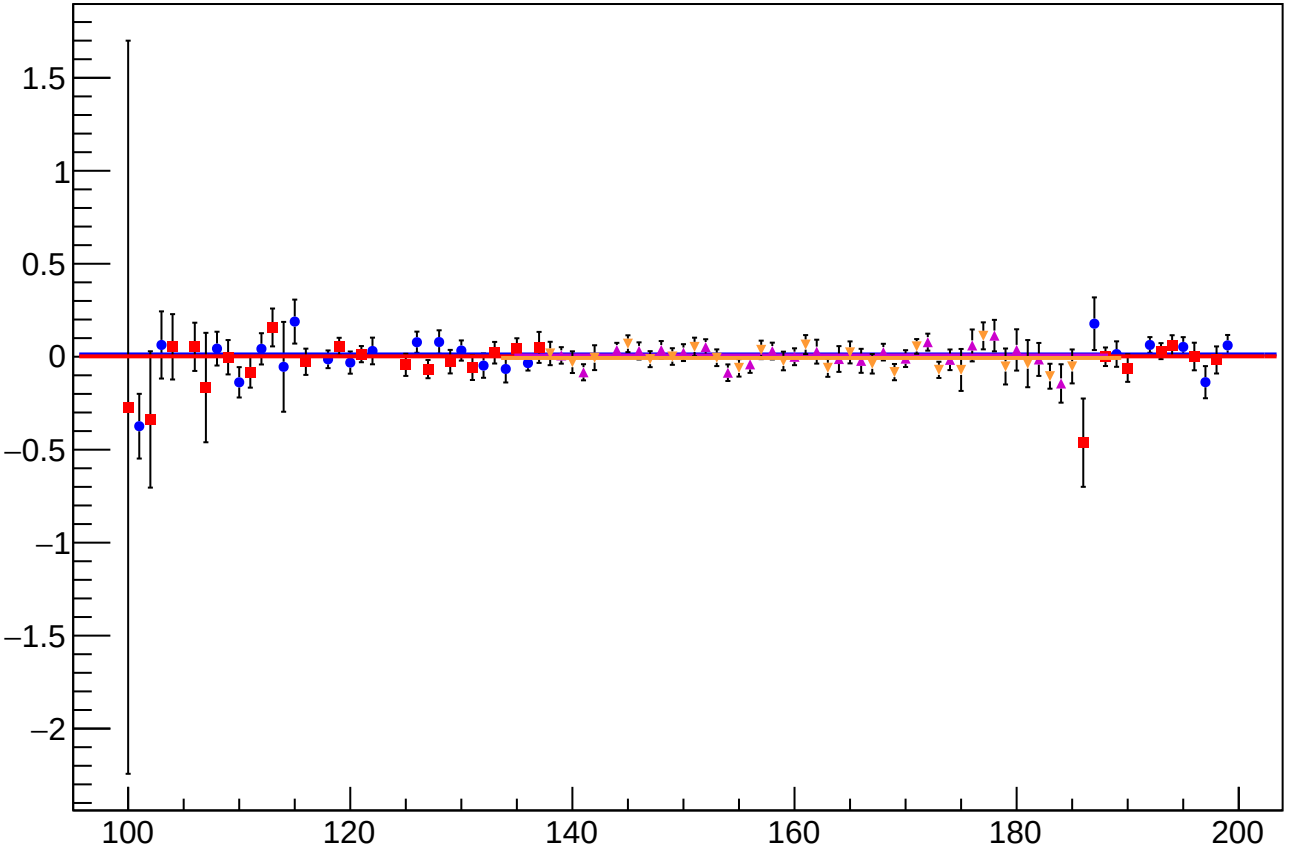
Right: 0.000+/-0.000 χ^2/NDF: 9104346.0/46

In: 0.000+/-0.000 χ^2/NDF:7046286.2/44

Out: 0.000+/-0.000 χ^2/NDF:8033895.0/48

All: 0.000+/-0.000 χ^2/NDF: 15085947.3/93

asym_us_dd_at1lr_dd_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.012+/-0.014 χ^2/NDF: 25.0/21

Left Out: -0.007+/-0.011 χ^2/NDF:23.9/23

Right Out: 0.002+/-0.014 χ^2/NDF: 17.0/24

Left In: 0.006+/-0.011 χ^2/NDF:20.1/22

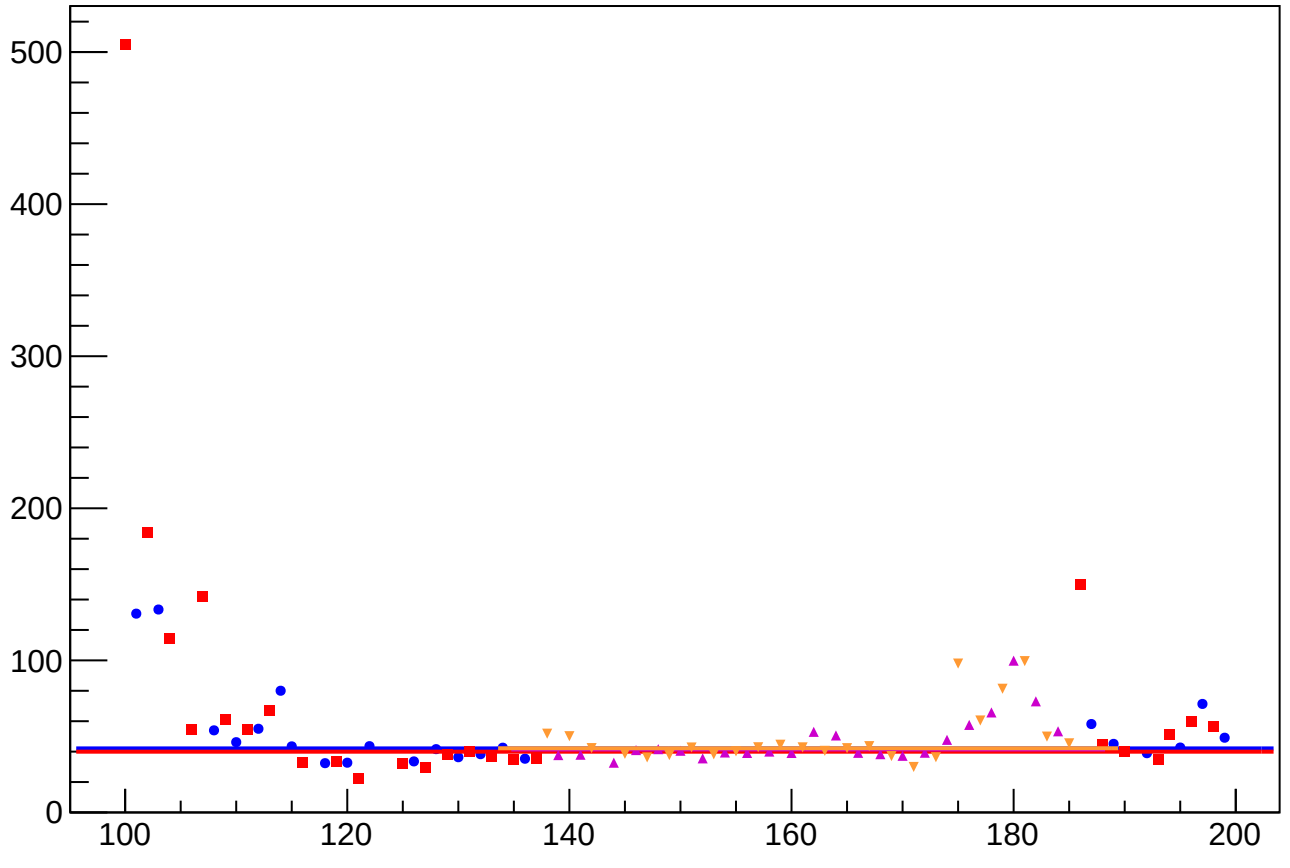
Left: -0.000+/-0.008 χ^2/NDF: 44.7/46

Right: 0.007+/-0.010 χ^2/NDF: 42.2/46

In: 0.009+/-0.009 χ^2/NDF:45.1/44

Out: -0.003+/-0.009 χ^2/NDF:41.1/48

All: 0.003+/-0.006 χ^2/NDF: 87.2/93



Right In: 42.114+/-0.010 χ^2/NDF: 1732846.9/21

Left Out: 42.208+/-0.008 χ^2/NDF:1819371.1/23

Right Out: 39.964+/-0.010 χ^2/NDF: 2703101.6/24

Left In: 41.421+/-0.008 χ^2/NDF:1412177.5/22

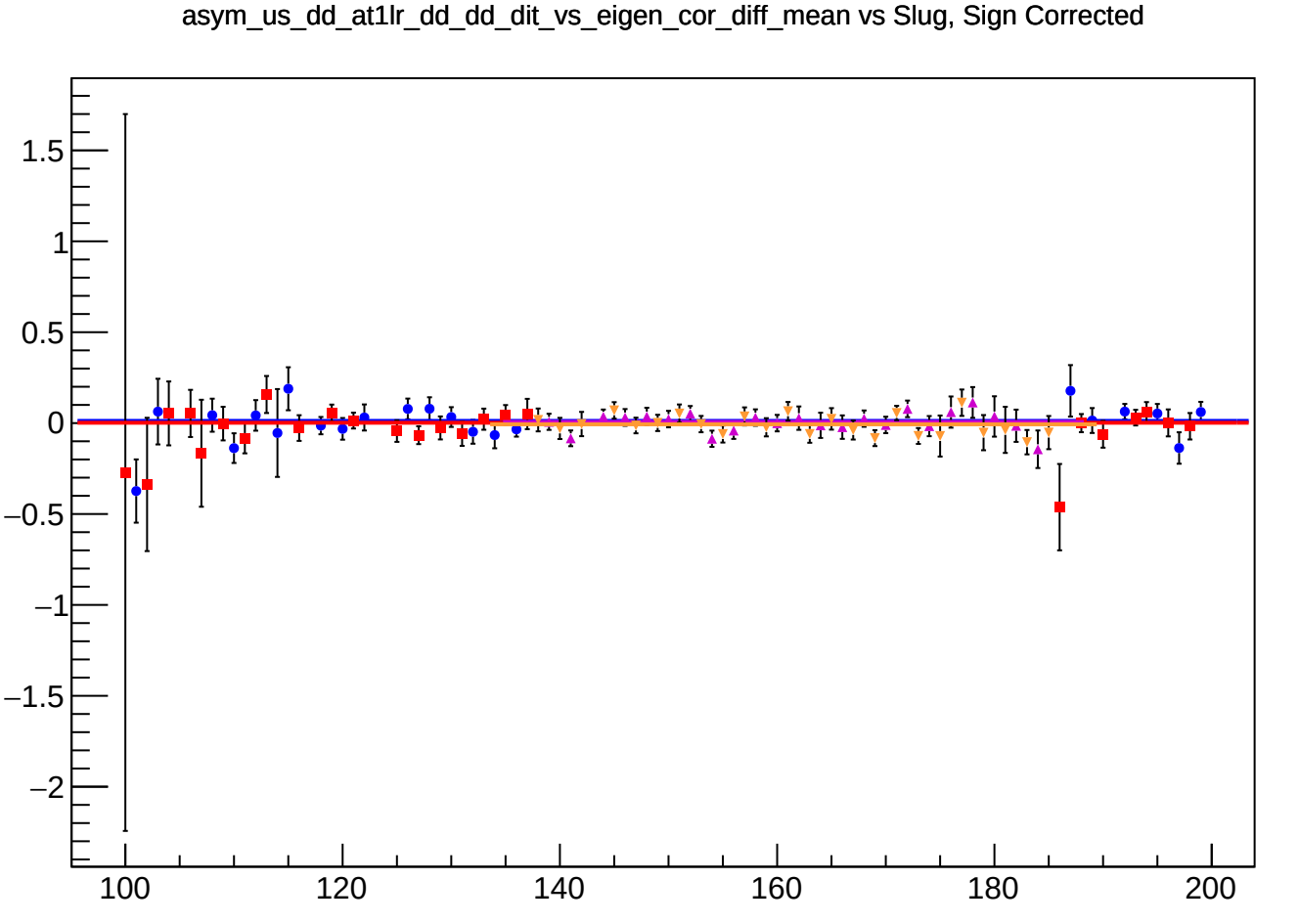
Left: 41.808+/-0.005 χ^2/NDF: 3236828.7/46

Right: 41.003+/-0.007 χ^2/NDF: 4460166.0/46

In: 41.677+/-0.006 χ^2/NDF:3148099.3/44

Out: 41.327+/-0.006 χ^2/NDF:4555624.6/48

All: 41.502+/-0.004 χ^2/NDF: 7705408.3/93



Right In: 0.012+/-0.014 χ^2/NDF: 25.0/21

Left Out: -0.007+/-0.011 χ^2/NDF:23.9/23

Right Out: 0.002+/-0.014 χ^2/NDF: 17.0/24

Left In: 0.006+/-0.011 χ^2/NDF:20.1/22

Left: -0.000+/-0.008 χ^2/NDF: 44.7/46

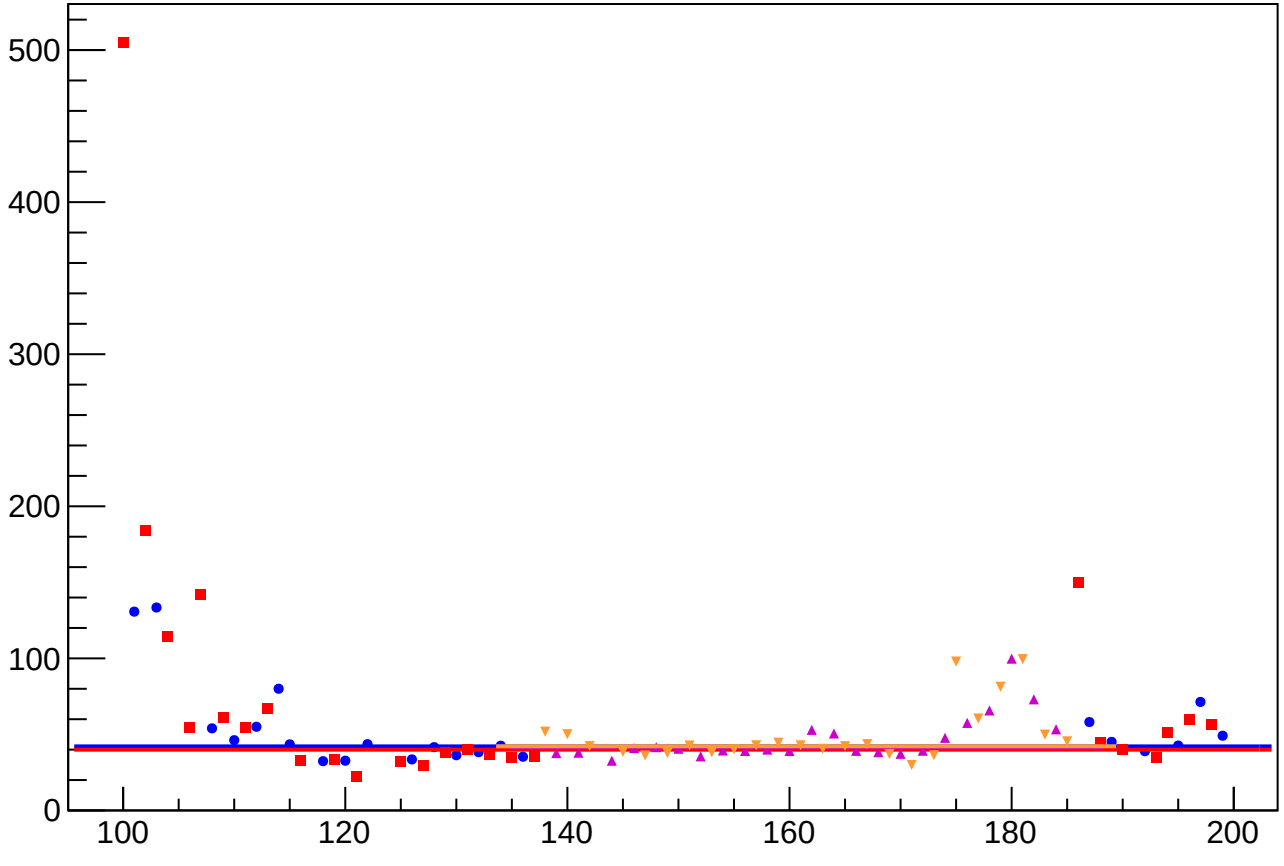
Right: 0.007+/-0.010 χ^2/NDF: 42.2/46

In: 0.009+/-0.009 χ^2/NDF:45.1/44

Out: -0.003+/-0.009 χ^2/NDF:41.1/48

All: 0.003+/-0.006 χ^2/NDF: 87.2/93

asym_us_dd_at1lr_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 42.114+/-0.010 χ^2/NDF: 1732846.9/21

Left Out: 42.208+/-0.008 χ^2/NDF:1819371.1/23

Right Out: 39.964+/-0.010 χ^2/NDF: 2703101.6/24

Left In: 41.421+/-0.008 χ^2/NDF:1412177.5/22

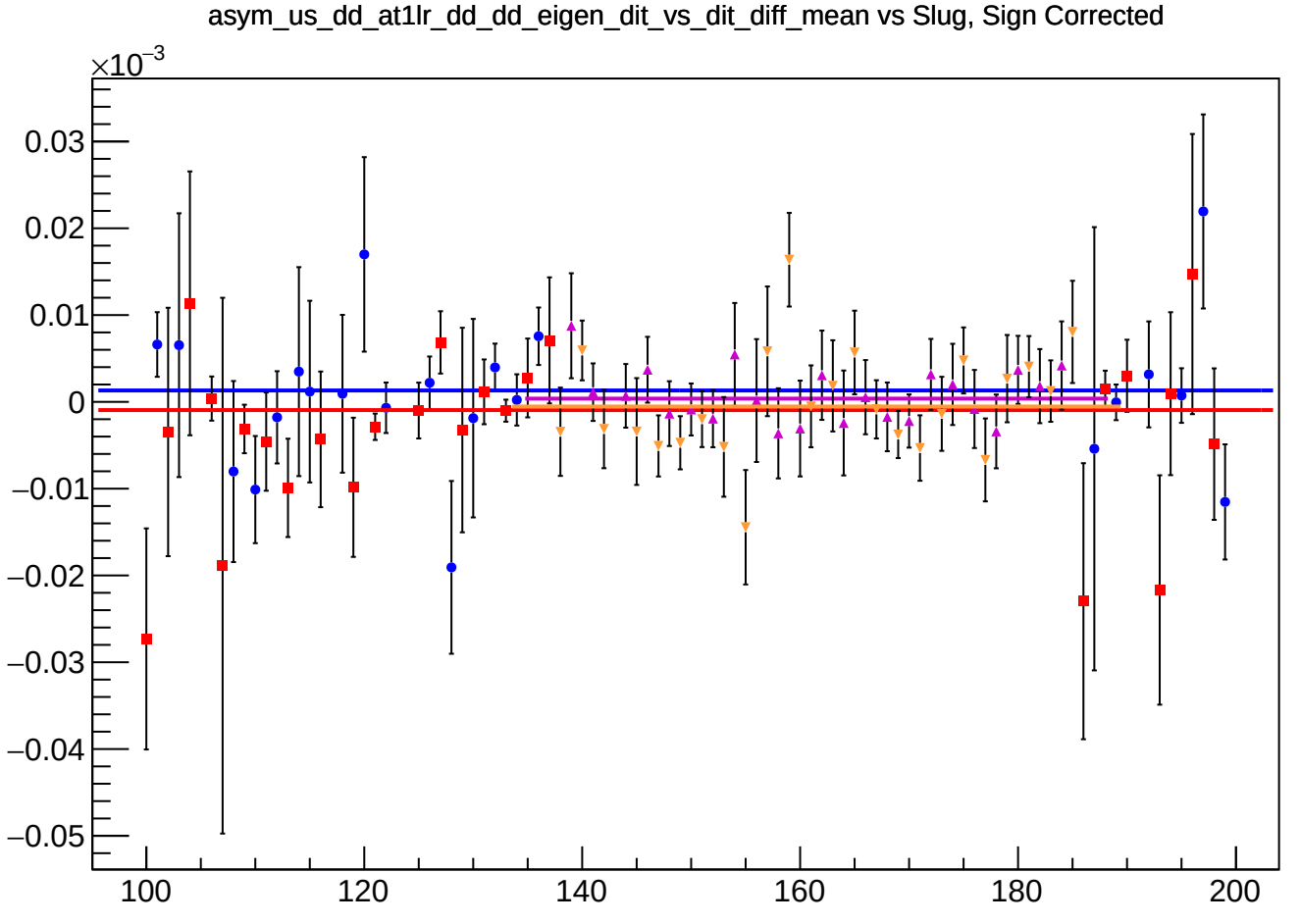
Left: 41.808+/-0.005 χ^2/NDF: 3236828.7/46

Right: 41.003+/-0.007 χ^2/NDF: 4460166.0/46

In: 41.677+/-0.006 χ^2/NDF:3148099.3/44

Out: 41.327+/-0.006 χ^2/NDF:4555624.6/48

All: 41.502+/-0.004 χ^2/NDF: 7705408.3/93



Right In: 0.000+/-0.000 χ^2/NDF: 25.9/21

Left Out: -0.000+/-0.000 χ^2/NDF:36.8/23

Right Out: -0.000+/-0.000 χ^2/NDF: 26.9/24

Left In: 0.000+/-0.000 χ^2/NDF:9.7/22

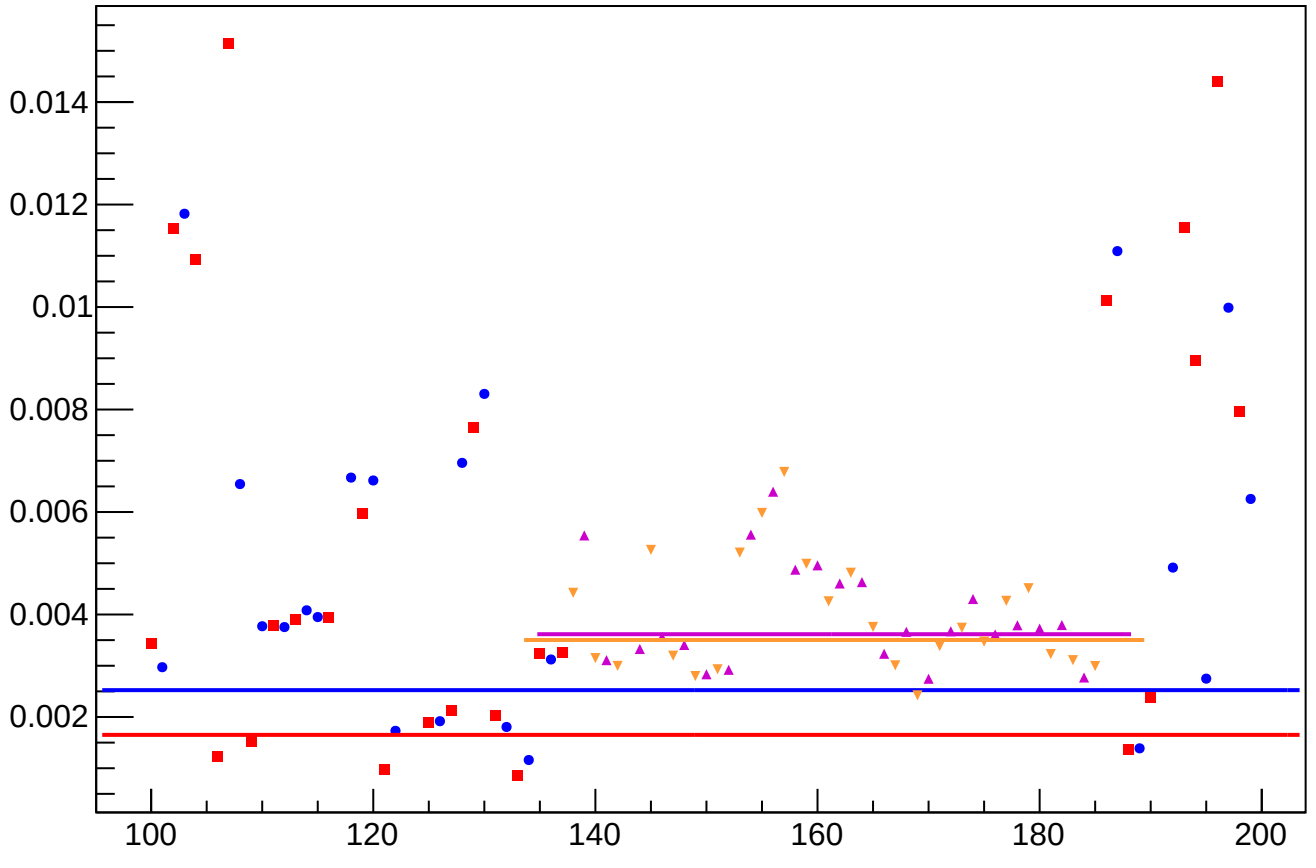
Left: -0.000+/-0.000 χ^2/NDF: 47.1/46

Right: -0.000+/-0.000 χ^2/NDF: 56.7/46

In: 0.000+/-0.000 χ^2/NDF:36.2/44

Out: -0.000+/-0.000 χ^2/NDF:63.9/48

All: -0.000+/-0.000 χ^2/NDF: 103.8/93



Right In: 0.003+/-0.000 χ^2/NDF: 6460588.8/21

Left Out: 0.004+/-0.000 χ^2/NDF:2190693.7/23

Right Out: 0.002+/-0.000 χ^2/NDF: 10956366.9/24

Left In: 0.004+/-0.000 χ^2/NDF:1668896.2/22

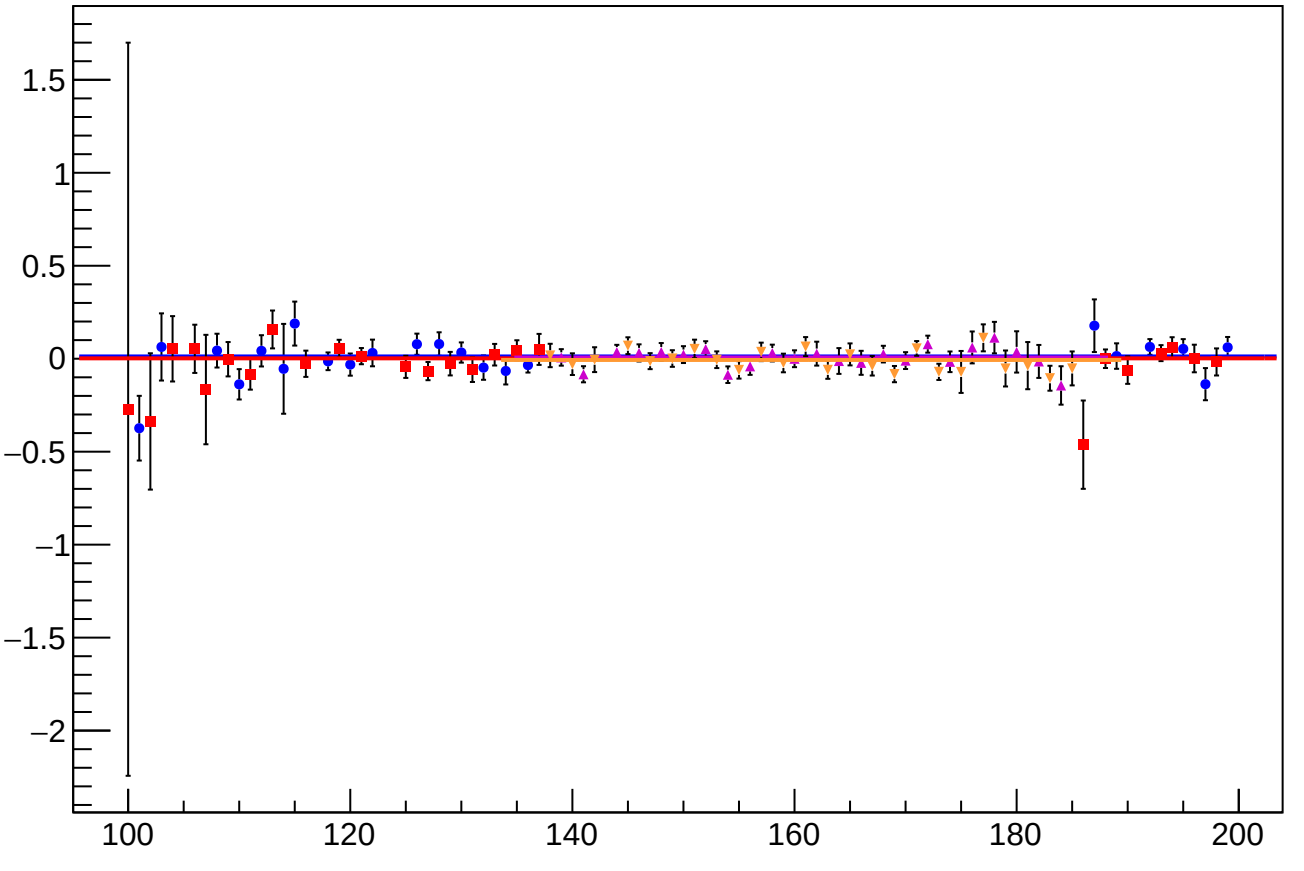
Left: 0.004+/-0.000 χ^2/NDF: 3876828.2/46

Right: 0.002+/-0.000 χ^2/NDF: 18556931.2/46

In: 0.003+/-0.000 χ^2/NDF:9601561.2/44

Out: 0.002+/-0.000 χ^2/NDF:18912096.0/48

All: 0.003+/-0.000 χ^2/NDF: 29970081.8/93



Right In: 0.012+/-0.014 χ^2/NDF: 25.0/21

Left Out: -0.007+/-0.011 χ^2/NDF:23.9/23

Right Out: 0.002+/-0.014 χ^2/NDF: 17.0/24

Left In: 0.006+/-0.011 χ^2/NDF:20.1/22

Left: -0.000+/-0.008 χ^2/NDF: 44.7/46

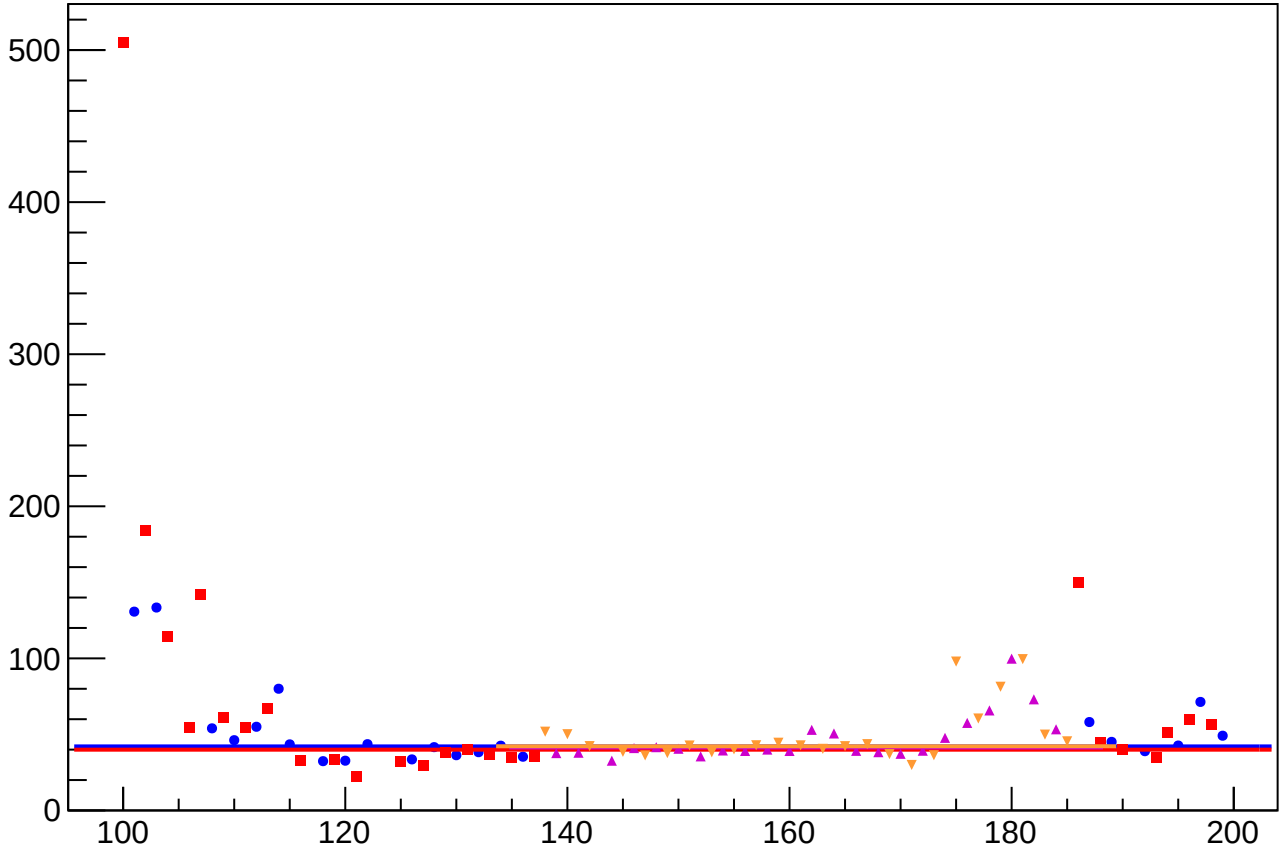
Right: 0.007+/-0.010 χ^2/NDF: 42.2/46

In: 0.009+/-0.009 χ^2/NDF:45.1/44

Out: -0.003+/-0.009 χ^2/NDF:41.1/48

All: 0.003+/-0.006 χ^2/NDF: 87.2/93

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 42.115+/-0.010 χ^2/NDF: 1732727.9/21

Left Out: 42.208+/-0.008 χ^2/NDF:1819378.3/23

Right Out: 39.963+/-0.010 χ^2/NDF: 2703209.9/24

Left In: 41.421+/-0.008 χ^2/NDF:1412111.4/22

Left: 41.808+/-0.005 χ^2/NDF: 3236767.5/46

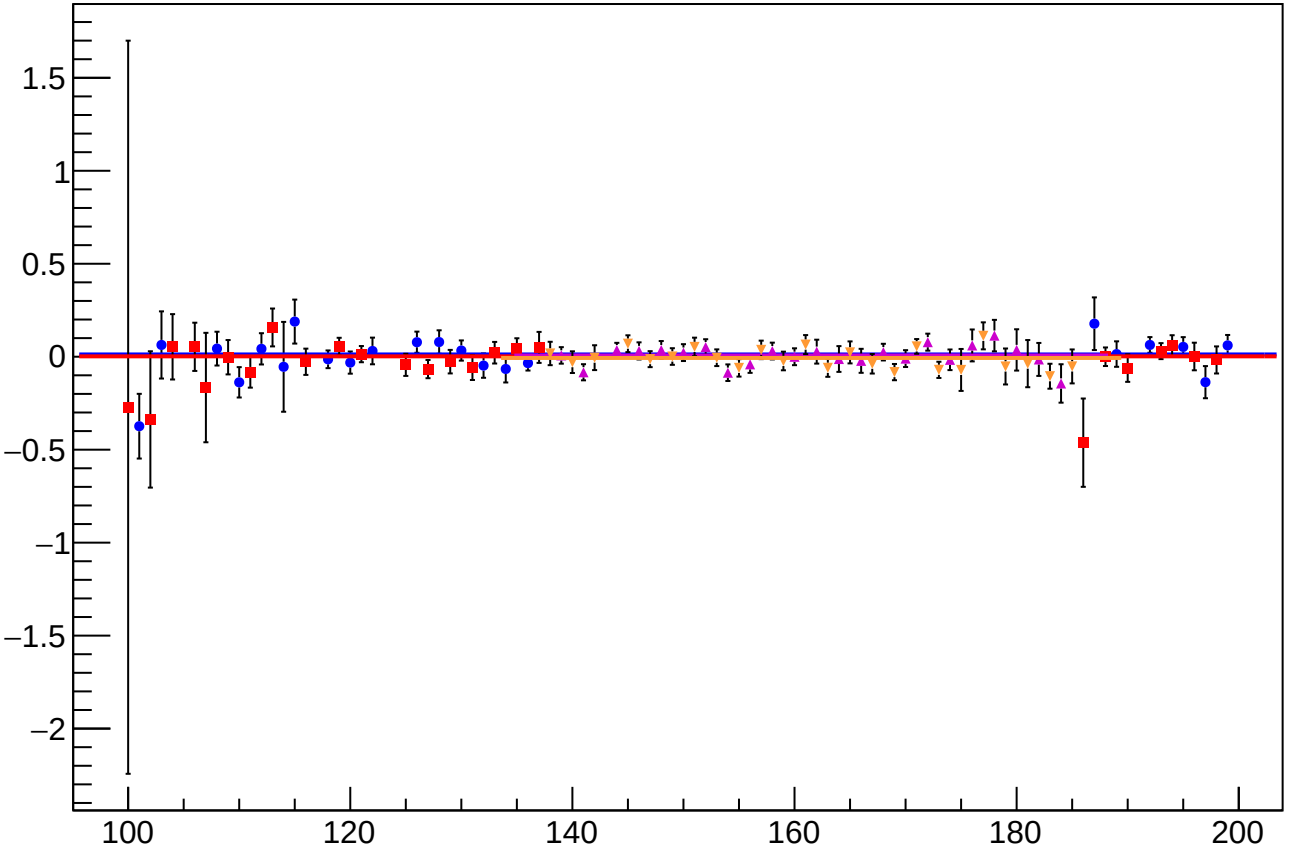
Right: 41.003+/-0.007 χ^2/NDF: 4460192.2/46

In: 41.677+/-0.006 χ^2/NDF:3147921.5/44

Out: 41.326+/-0.006 χ^2/NDF:4555759.6/48

All: 41.501+/-0.004 χ^2/NDF: 7705372.6/93

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.012+/-0.014 χ^2/NDF: 25.0/21

Left Out: -0.007+/-0.011 χ^2/NDF:23.9/23

Right Out: 0.002+/-0.014 χ^2/NDF: 17.0/24

Left In: 0.006+/-0.011 χ^2/NDF:20.1/22

Left: -0.000+/-0.008 χ^2/NDF: 44.7/46

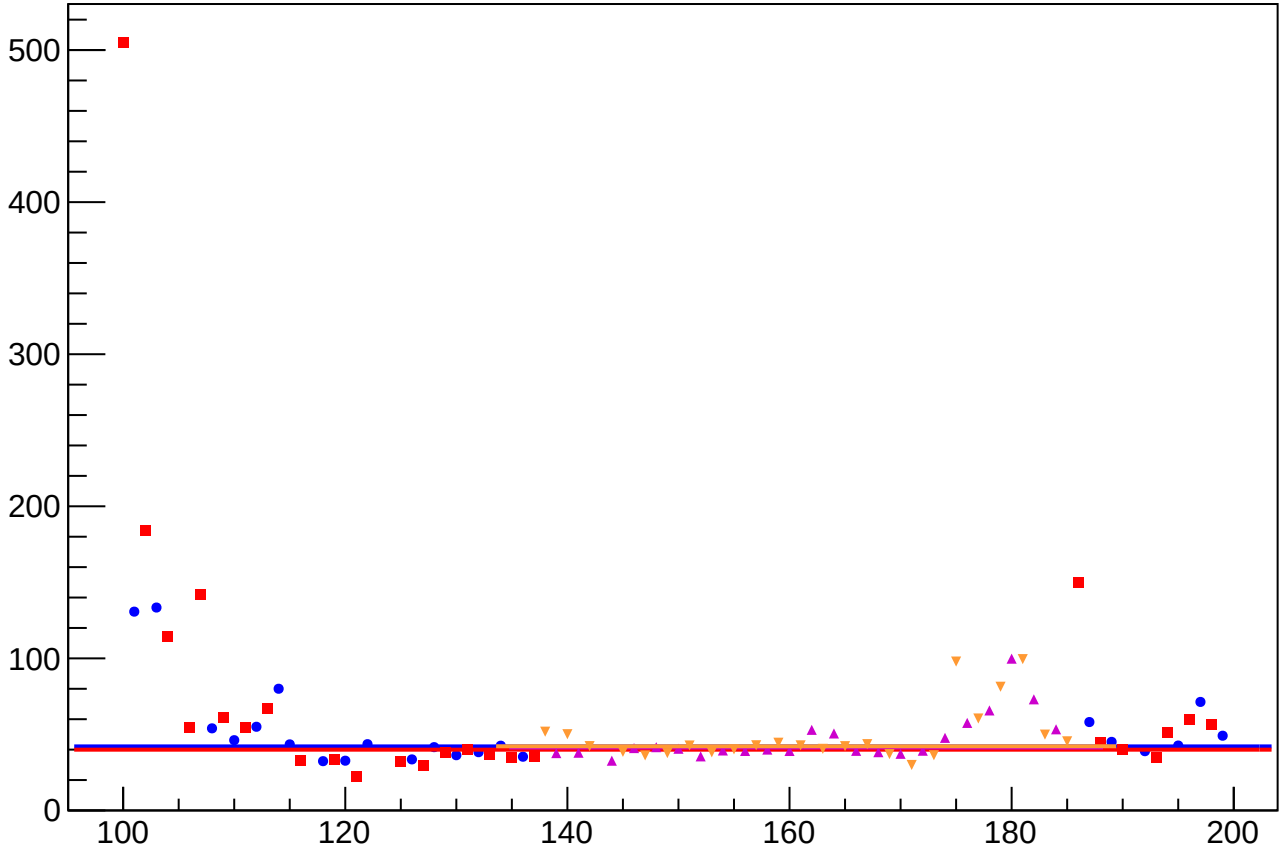
Right: 0.007+/-0.010 χ^2/NDF: 42.2/46

In: 0.009+/-0.009 χ^2/NDF:45.1/44

Out: -0.003+/-0.009 χ^2/NDF:41.1/48

All: 0.003+/-0.006 χ^2/NDF: 87.2/93

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 42.115+/-0.010 χ^2/NDF: 1732727.9/21

Left Out: 42.208+/-0.008 χ^2/NDF:1819378.3/23

Right Out: 39.963+/-0.010 χ^2/NDF: 2703209.9/24

Left In: 41.421+/-0.008 χ^2/NDF:1412111.4/22

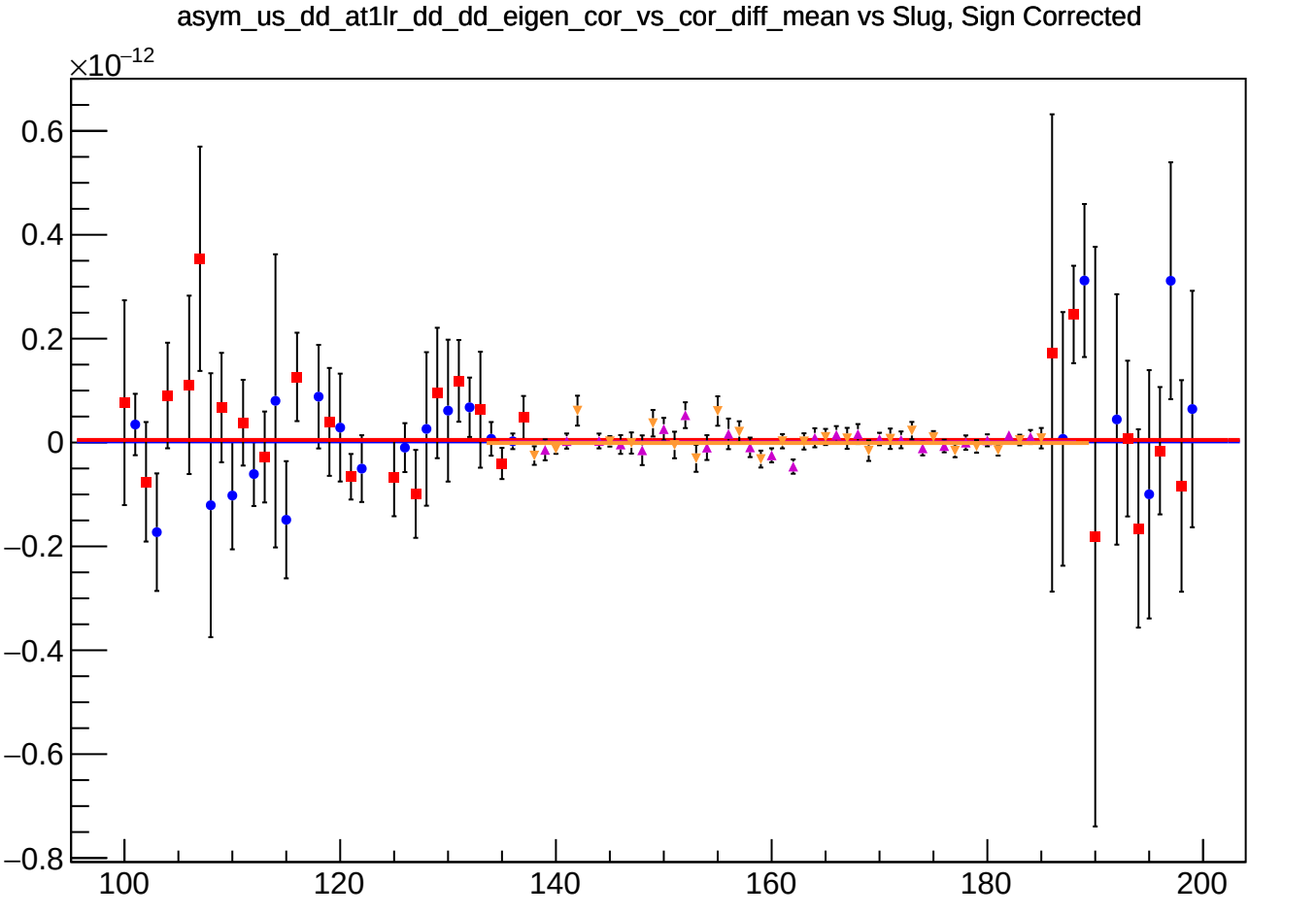
Left: 41.808+/-0.005 χ^2/NDF: 3236767.5/46

Right: 41.003+/-0.007 χ^2/NDF: 4460192.2/46

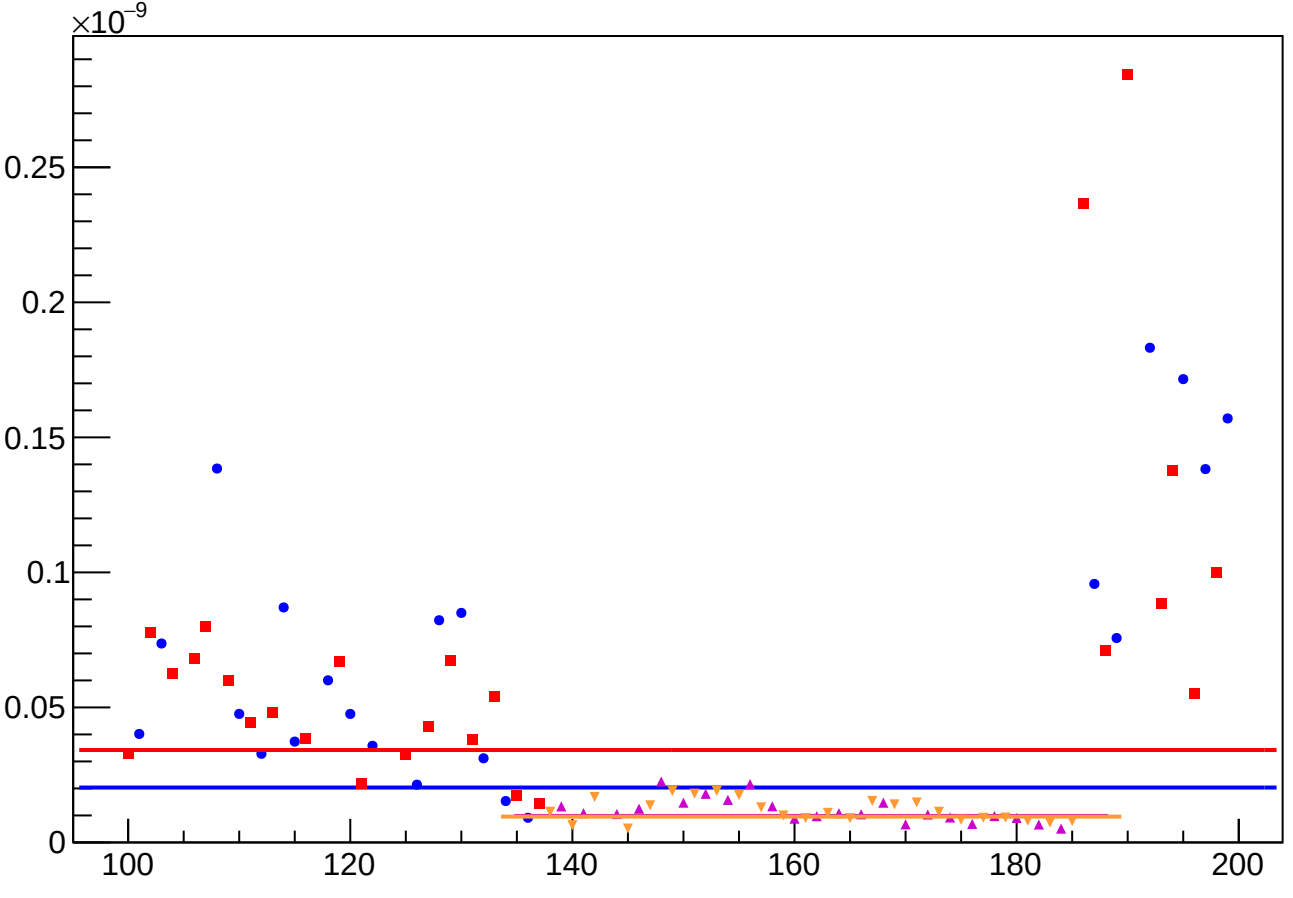
In: 41.677+/-0.006 χ^2/NDF:3147921.5/44

Out: 41.326+/-0.006 χ^2/NDF:4555759.6/48

All: 41.501+/-0.004 χ^2/NDF: 7705372.6/93


asym_us_dd_at1lr_dd_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 16.5/21
Left Out: -0.000+/-0.000 χ²/NDF:29.5/23
Right Out: 0.000+/-0.000 χ²/NDF: 26.3/24
Left In: 0.000+/-0.000 χ²/NDF:28.3/22
Left: -0.000+/-0.000 χ²/NDF: 57.9/46
Right: 0.000+/-0.000 χ²/NDF: 42.8/46
In: 0.000+/-0.000 χ²/NDF:44.8/44
Out: -0.000+/-0.000 χ²/NDF:56.0/48
All: -0.000+/-0.000 χ²/NDF: 100.9/93

asym_us_dd_at1lr_dd_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 7517679.7/21

Left Out: 0.000+/-0.000 χ^2/NDF:2445128.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 4707348.6/24

Left In: 0.000+/-0.000 χ^2/NDF:2250638.6/22

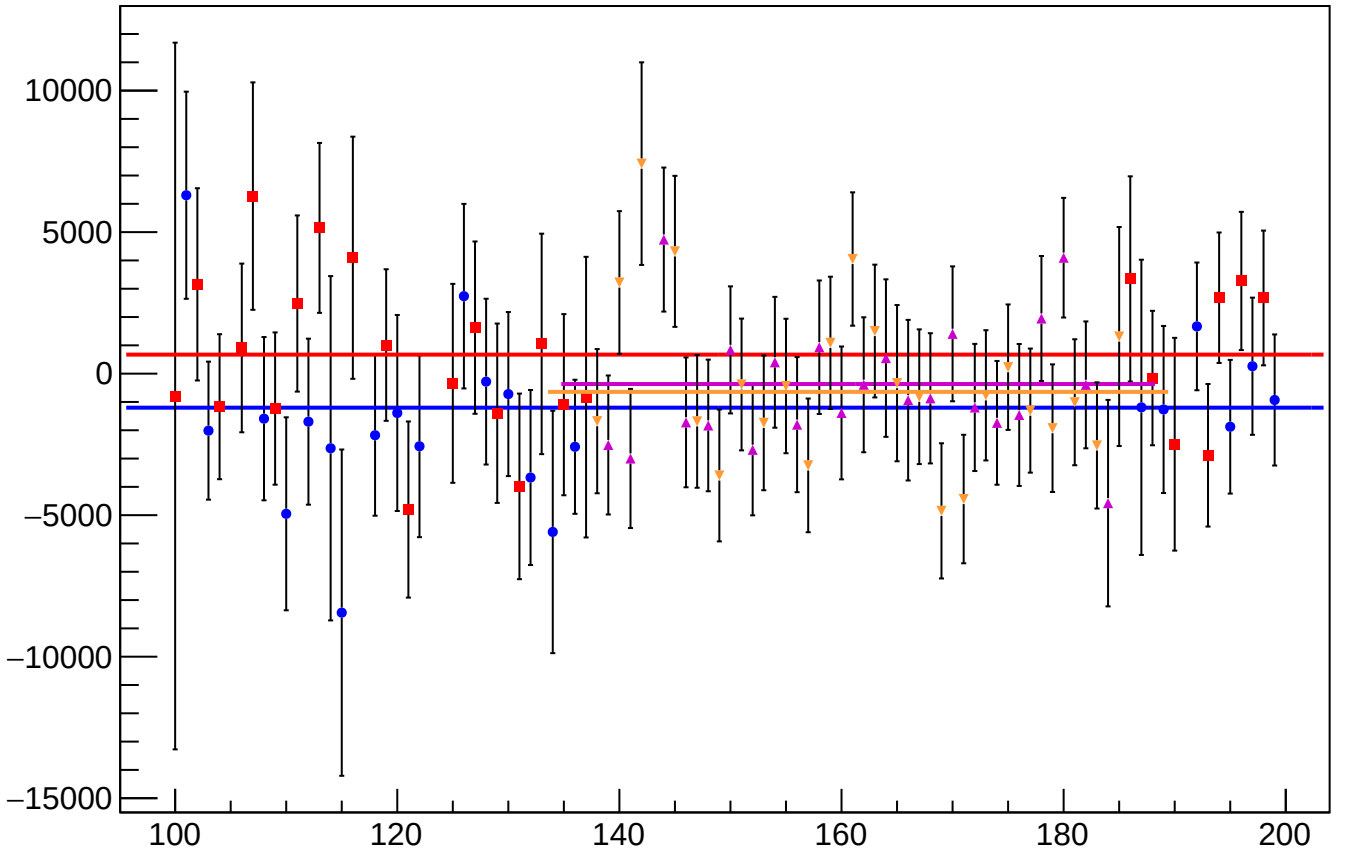
Left: 0.000+/-0.000 χ^2/NDF: 4701887.7/46

Right: 0.000+/-0.000 χ^2/NDF: 13233724.5/46

In: 0.000+/-0.000 χ^2/NDF:11333738.0/44

Out: 0.000+/-0.000 χ^2/NDF:11809933.8/48

All: 0.000+/-0.000 χ^2/NDF: 23144895.9/93



Right In: -1202.153+/-635.317 χ^2/NDF: 13.2/21

Left Out: -643.811+/-493.681 χ^2/NDF:27.1/23

Right Out: 672.528+/-611.997 χ^2/NDF: 18.8/24

Left In: -366.759+/-497.896 χ^2/NDF:17.3/22

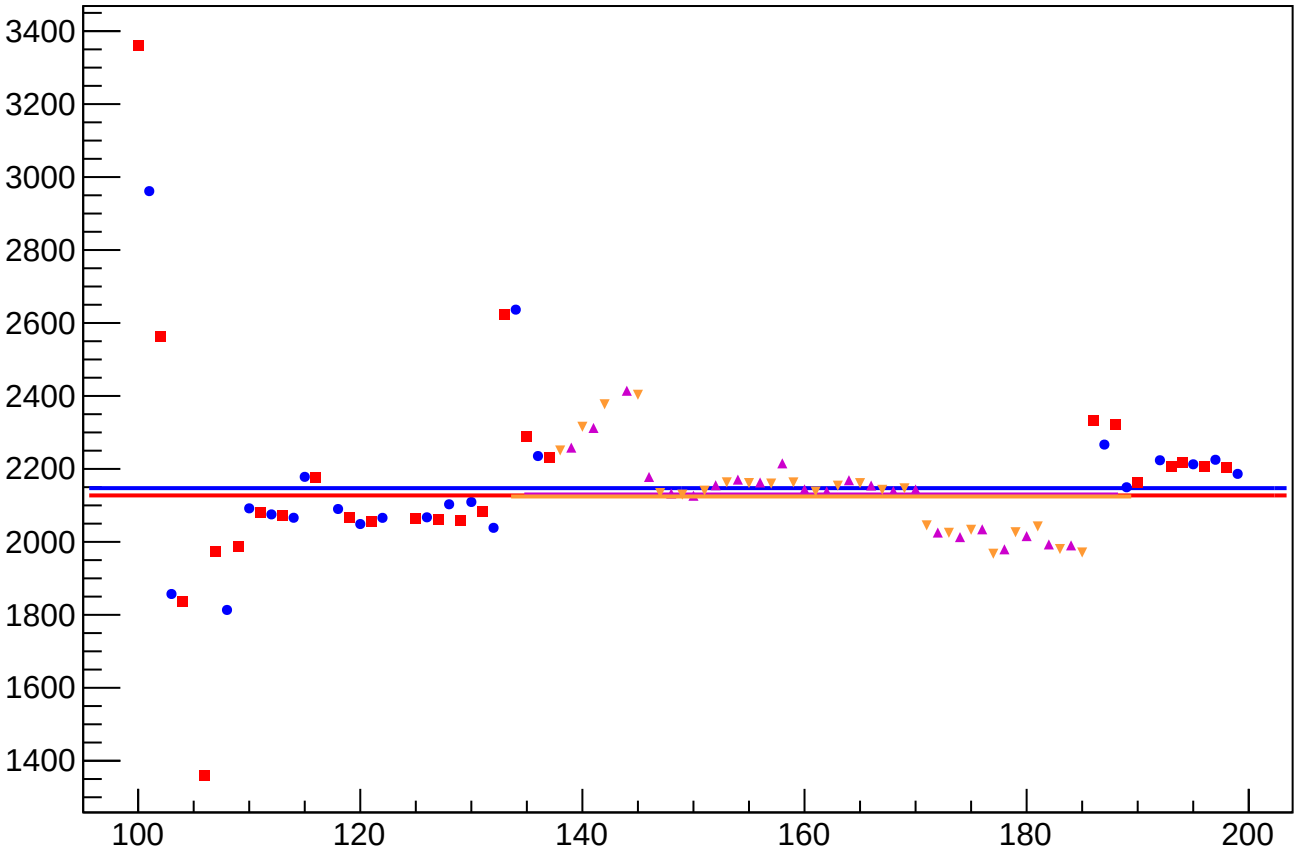
Left: -506.463+/-350.566 χ^2/NDF: 44.6/46

Right: -229.775+/-440.761 χ^2/NDF: 36.6/46

In: -684.619+/-391.889 χ^2/NDF:31.6/44

Out: -124.905+/-384.246 χ^2/NDF:48.8/48

All: -399.251+/-274.365 χ^2/NDF: 81.4/93



Right In: 2147.329+/-0.449 χ^2/NDF: 200804.0/21

Left Out: 2124.437+/-0.349 χ^2/NDF:89184.0/23

Right Out: 2127.316+/-0.433 χ^2/NDF: 292761.5/24

Left In: 2129.897+/-0.352 χ^2/NDF:85354.5/22

Left: 2127.144+/-0.248 χ^2/NDF: 174659.8/46

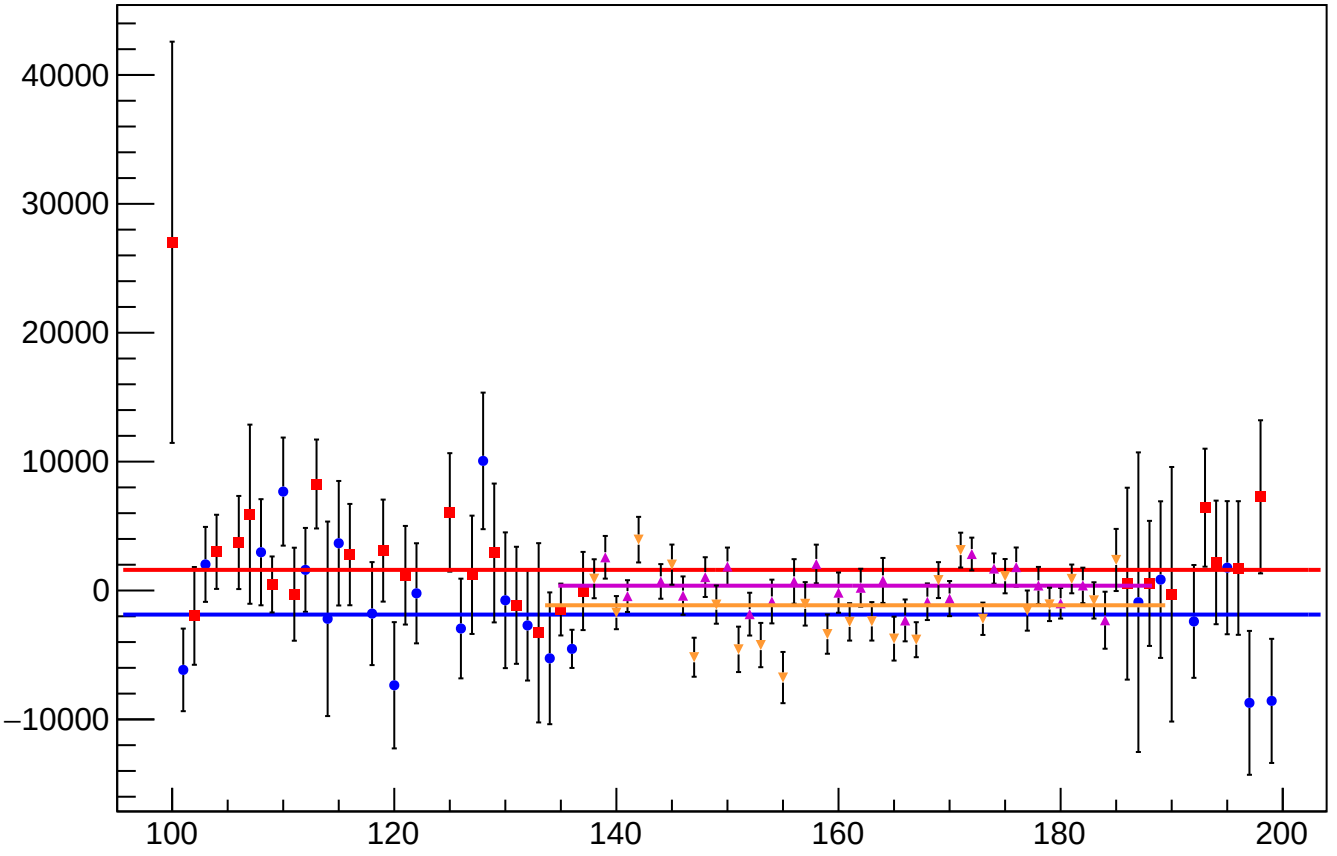
Right: 2136.949+/-0.312 χ^2/NDF: 494594.9/46

In: 2136.530+/-0.277 χ^2/NDF:287091.3/44

Out: 2125.572+/-0.272 χ^2/NDF:381972.4/48

All: 2130.943+/-0.194 χ^2/NDF: 669860.9/93

asym_us_dd_at2lr_dd_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -1867.842+/-804.805 χ^2/NDF: 27.1/21

Left Out: -1144.817+/-302.488 χ^2/NDF:67.5/23

Right Out: 1600.754+/-780.069 χ^2/NDF: 15.7/24

Left In: 373.302+/-305.378 χ^2/NDF:20.3/22

Left: -392.974+/-214.906 χ^2/NDF: 100.3/46

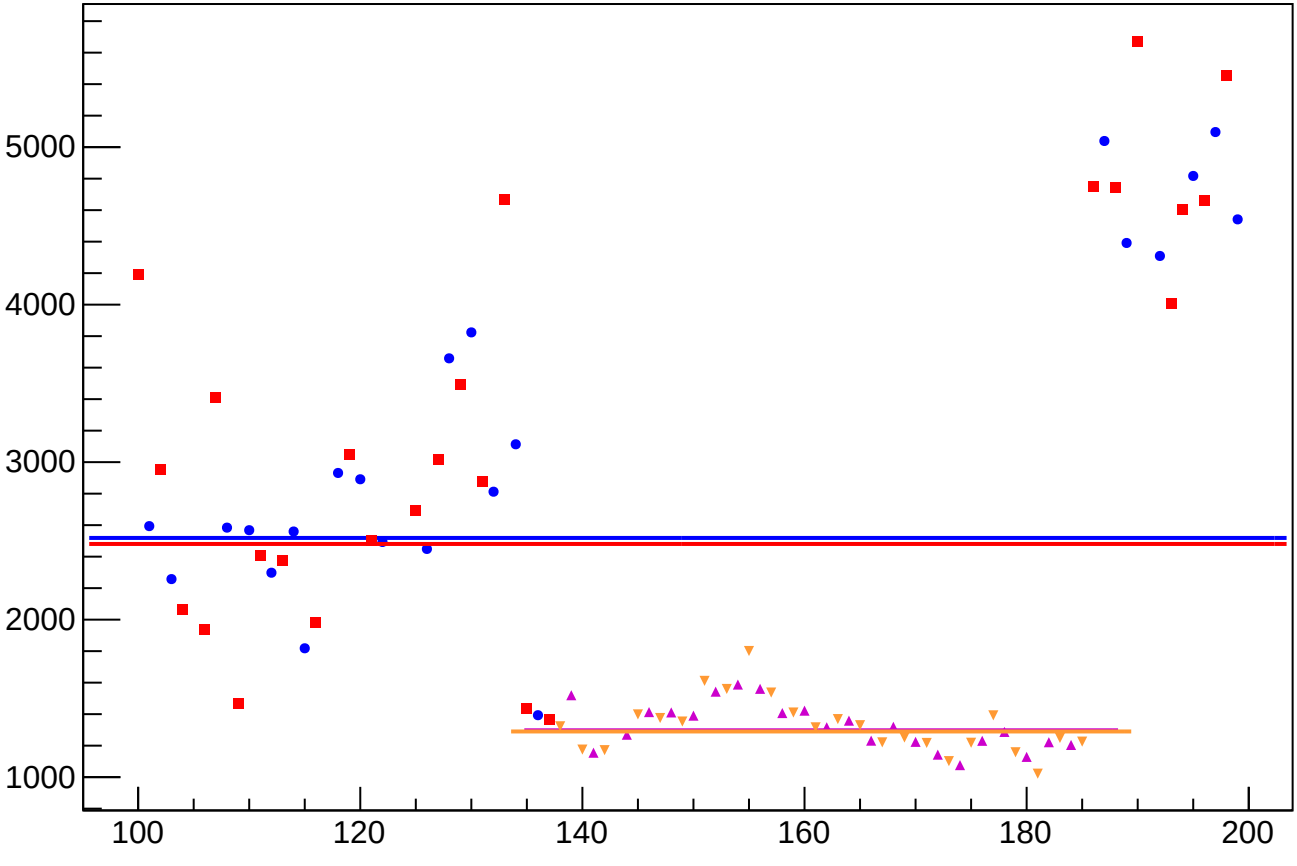
Right: -79.421+/-560.133 χ^2/NDF: 52.3/46

In: 91.239+/-285.515 χ^2/NDF:54.2/44

Out: -785.938+/-282.027 χ^2/NDF:94.0/48

All: -352.741+/-200.645 χ^2/NDF: 152.9/93

asym_us_dd_at2lr_dd_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 2518.826+/-0.569 χ^2/NDF: 3304096.7/21

Left Out: 1290.029+/-0.214 χ^2/NDF:567950.9/23

Right Out: 2480.550+/-0.552 χ^2/NDF: 4109604.6/24

Left In: 1297.454+/-0.216 χ^2/NDF:433995.4/22

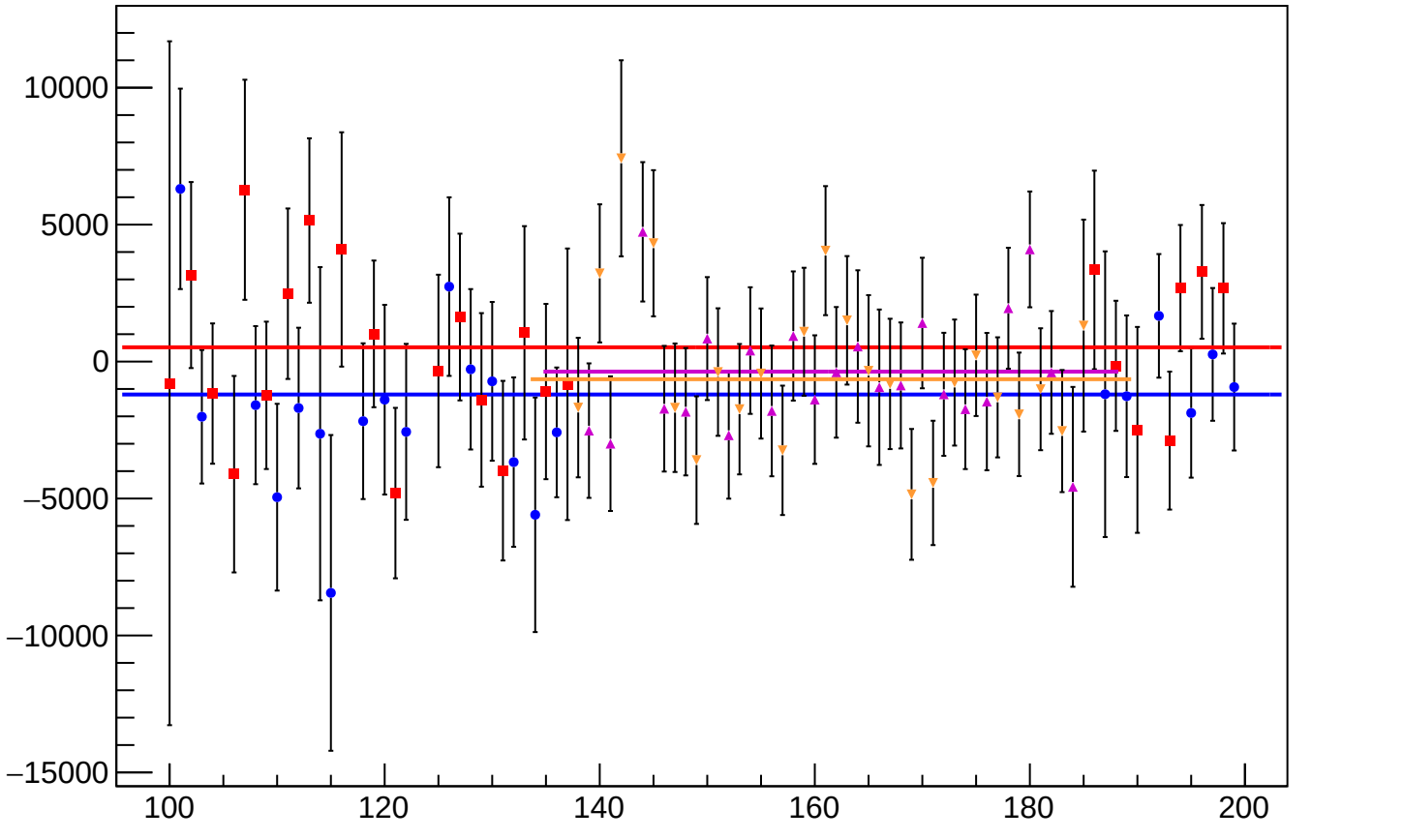
Left: 1293.707+/-0.152 χ^2/NDF: 1002543.1/46

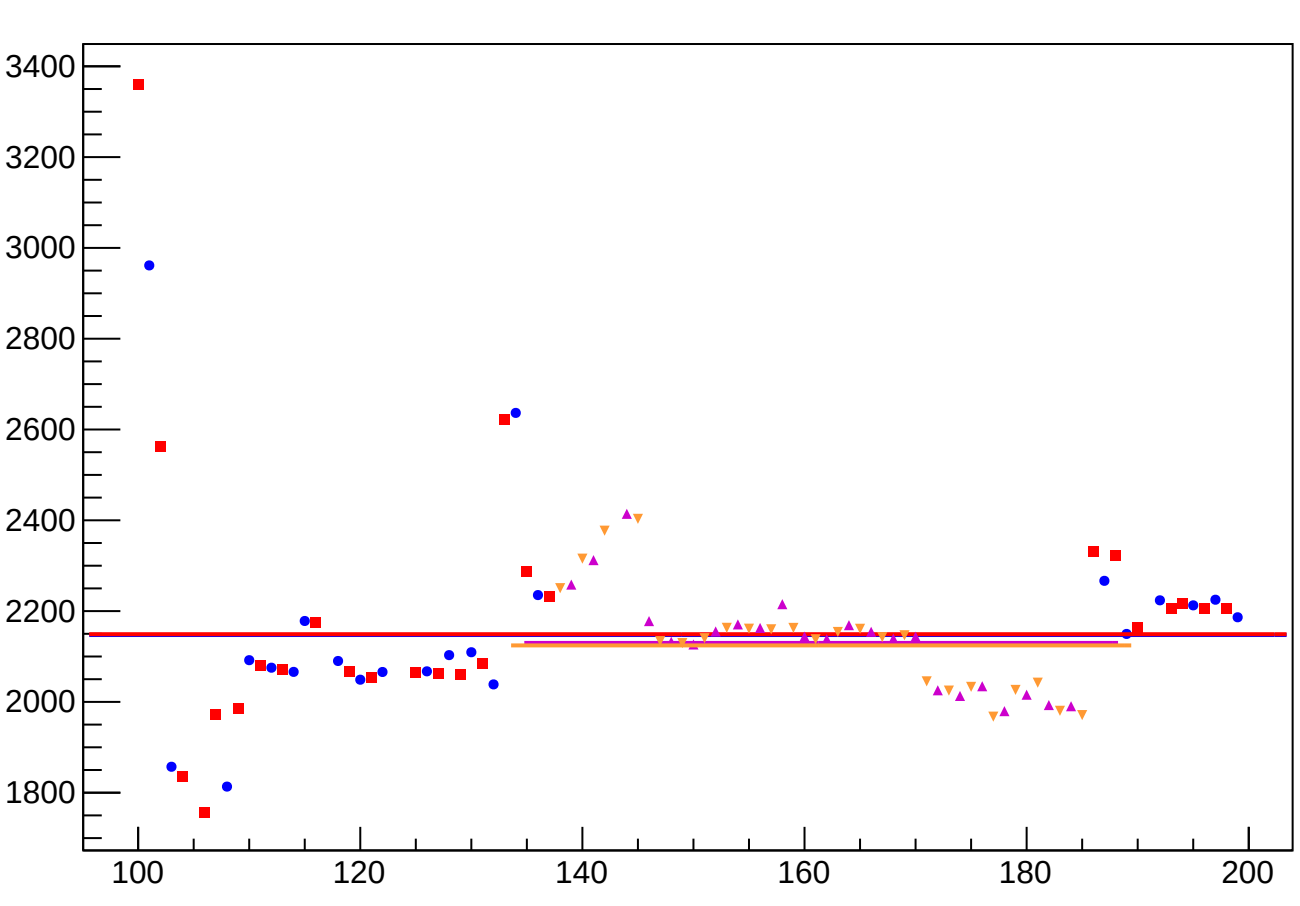
Right: 2499.091+/-0.396 χ^2/NDF: 7416033.7/46

In: 1451.172+/-0.202 χ^2/NDF:7764586.9/44

Out: 1445.644+/-0.199 χ^2/NDF:8727063.3/48

All: 1448.374+/-0.142 χ^2/NDF: 16492029.6/9


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: -1202.135+/-635.317 χ²/NDF: 13.2/21
Left Out: -643.673+/-493.681 χ²/NDF:27.1/23
Right Out: 521.643+/-616.037 χ²/NDF: 20.5/24
Left In: -366.649+/-497.896 χ²/NDF:17.3/22
Left: -506.339+/-350.566 χ²/NDF: 44.6/46
Right: -313.693+/-442.263 χ²/NDF: 37.5/46
In: -684.544+/-391.889 χ²/NDF:31.6/44
Out: -187.957+/-385.240 χ²/NDF:49.9/48
All: -432.003+/-274.726 χ²/NDF: 82.3/93



Right In: 2147.329+/-0.449 χ^2/NDF: 200804.4/21

Left Out: 2124.437+/-0.349 χ^2/NDF:89184.0/23

Right Out: 2149.123+/-0.436 χ^2/NDF: 179372.4/24

Left In: 2129.897+/-0.352 χ^2/NDF:85354.4/22

Left: 2127.144+/-0.248 χ^2/NDF: 174659.7/46

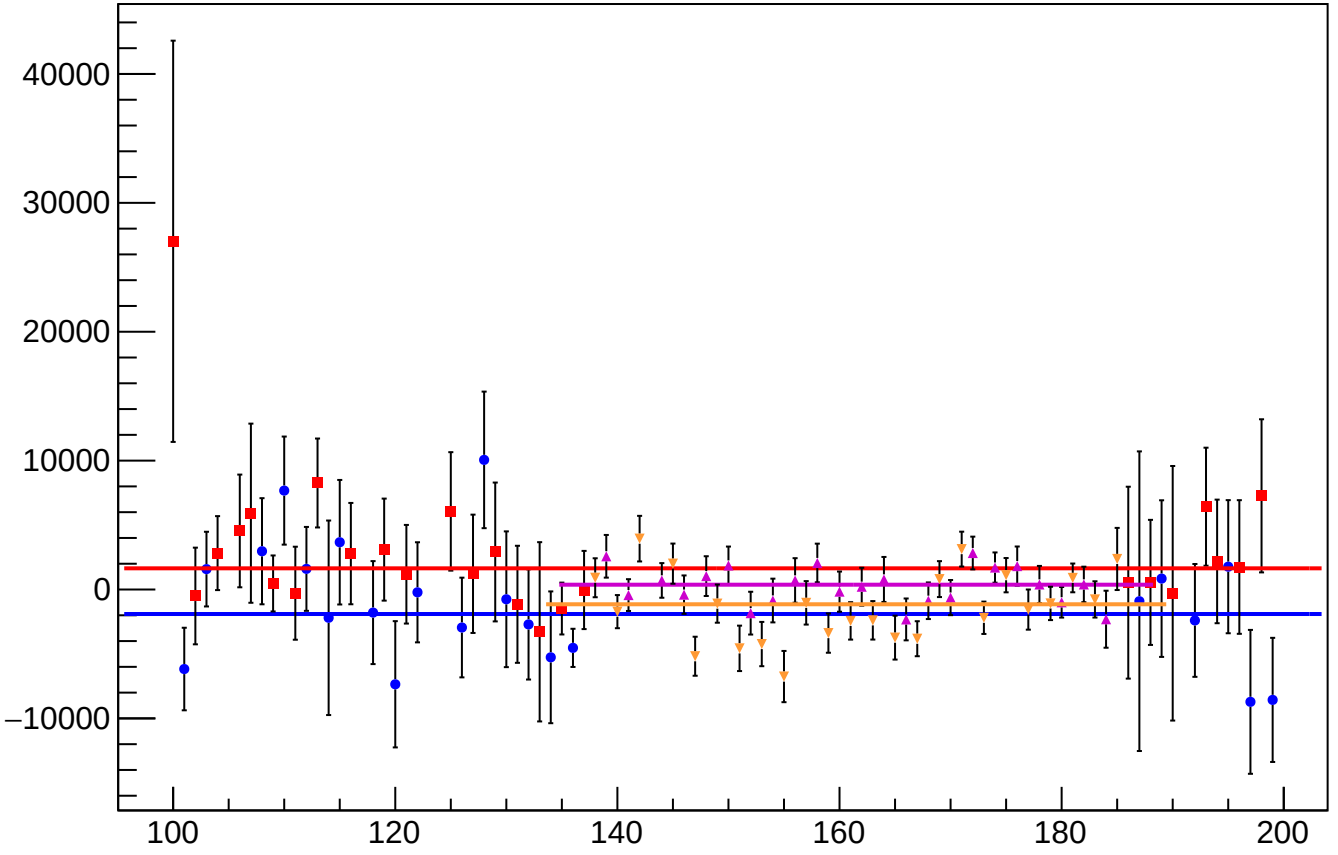
Right: 2148.254+/-0.313 χ^2/NDF: 380185.0/46

In: 2136.530+/-0.277 χ^2/NDF:287091.6/44

Out: 2134.091+/-0.272 χ^2/NDF:270512.1/48

All: 2135.289+/-0.194 χ^2/NDF: 557643.2/93

asym_us_dd_at2lr_dd_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -1900.806+/-804.568 χ^2/NDF: 26.7/21

Left Out: -1144.779+/-302.490 χ^2/NDF:67.5/23

Right Out: 1643.679+/-785.378 χ^2/NDF: 15.2/24

Left In: 373.186+/-305.379 χ^2/NDF:20.3/22

Left: -393.009+/-214.907 χ^2/NDF: 100.3/46

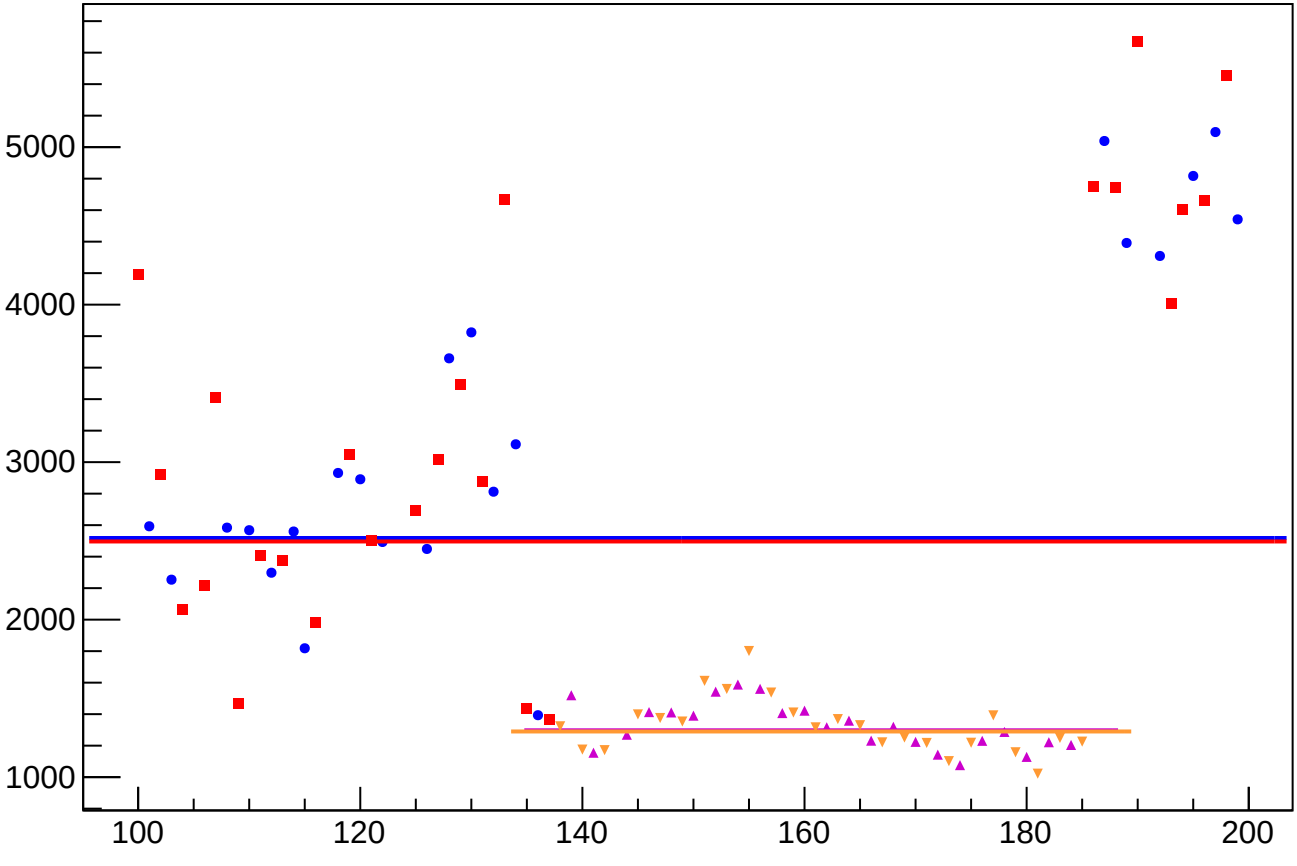
Right: -85.790+/-562.008 χ^2/NDF: 51.8/46

In: 86.840+/-285.505 χ^2/NDF:54.0/44

Out: -784.568+/-282.277 χ^2/NDF:93.6/48

All: -353.817+/-200.732 χ^2/NDF: 152.4/93

asym_us_dd_at2lr_dd_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 2518.350+/-0.569 χ^2/NDF: 3304590.0/21

Left Out: 1290.041+/-0.214 χ^2/NDF:567883.5/23

Right Out: 2496.411+/-0.555 χ^2/NDF: 4068747.4/24

Left In: 1297.458+/-0.216 χ^2/NDF:434006.2/22

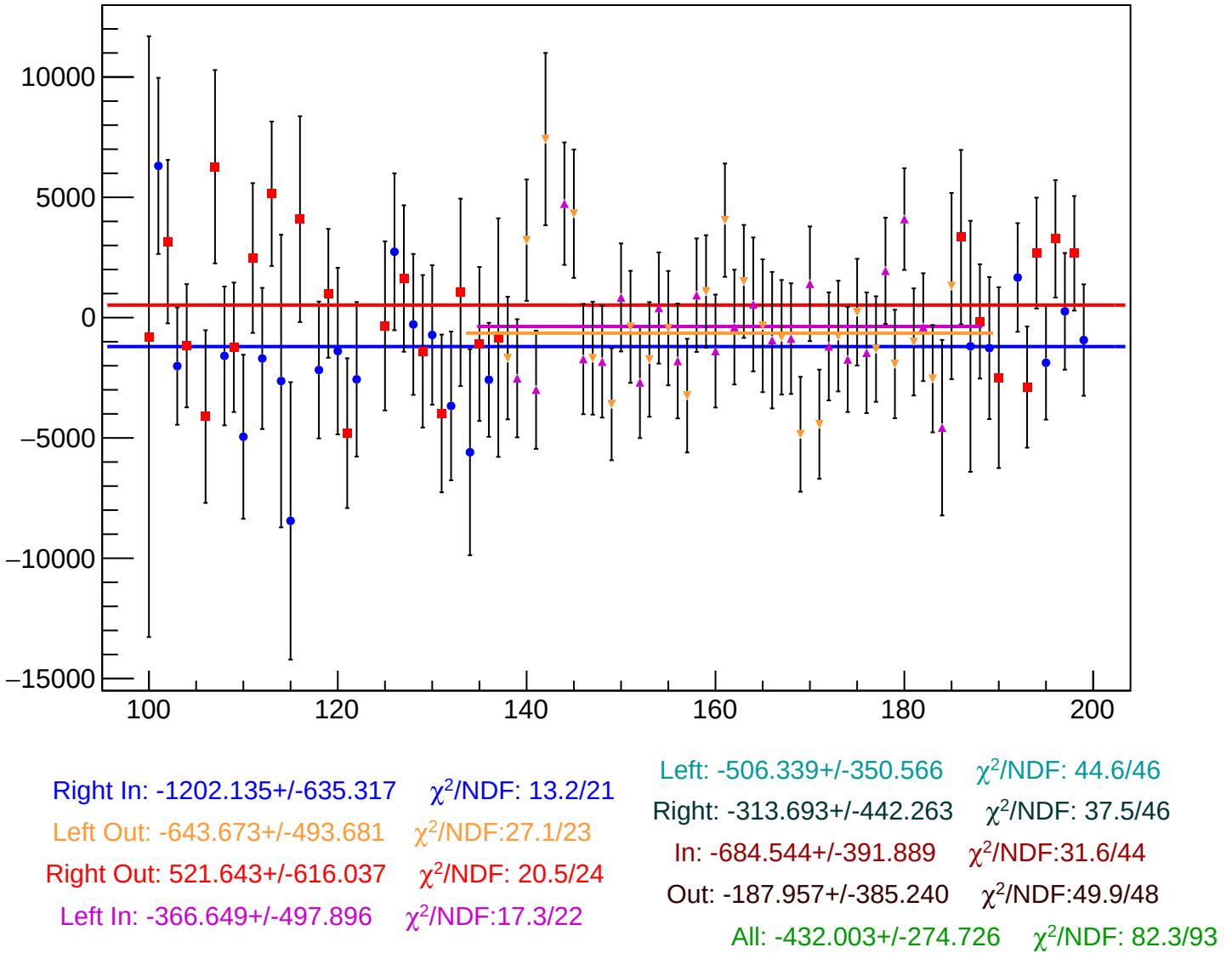
Left: 1293.714+/-0.152 χ^2/NDF: 1002485.3/46

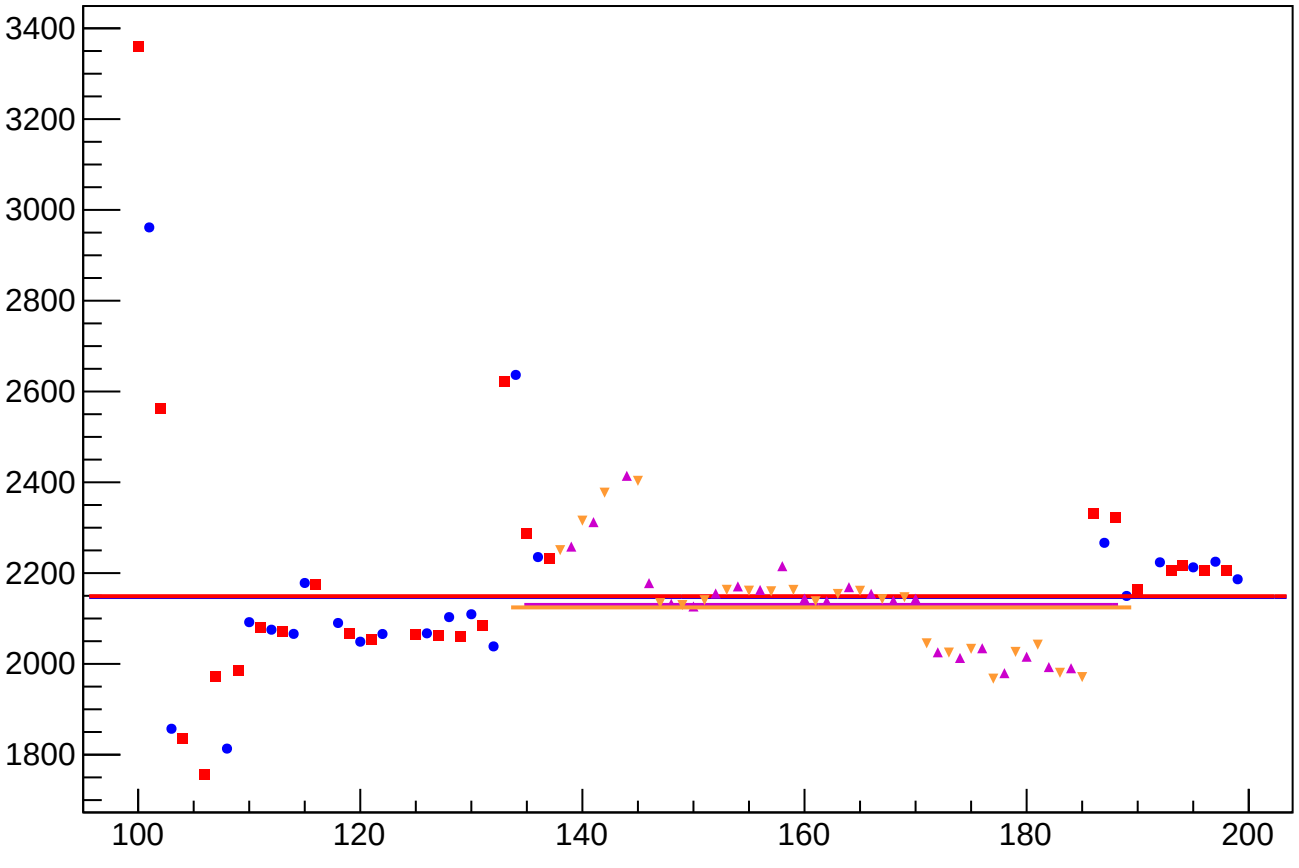
Right: 2507.116+/-0.397 χ^2/NDF: 7374098.9/46

In: 1451.195+/-0.202 χ^2/NDF:7763999.6/44

Out: 1445.879+/-0.200 χ^2/NDF:8745876.7/48

All: 1448.507+/-0.142 χ^2/NDF: 16510226.9/9


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: -1202.135+/-635.317 χ²/NDF: 13.2/21
Left Out: -643.673+/-493.681 χ²/NDF:27.1/23
Right Out: 521.643+/-616.037 χ²/NDF: 20.5/24
Left In: -366.649+/-497.896 χ²/NDF:17.3/22
Left: -506.339+/-350.566 χ²/NDF: 44.6/46
Right: -313.693+/-442.263 χ²/NDF: 37.5/46
In: -684.544+/-391.889 χ²/NDF:31.6/44
Out: -187.957+/-385.240 χ²/NDF:49.9/48
All: -432.003+/-274.726 χ²/NDF: 82.3/93



Right In: 2147.329+/-0.449 χ^2/NDF: 200804.4/21

Left Out: 2124.437+/-0.349 χ^2/NDF:89184.0/23

Right Out: 2149.123+/-0.436 χ^2/NDF: 179372.4/24

Left In: 2129.897+/-0.352 χ^2/NDF:85354.4/22

Left: 2127.144+/-0.248 χ^2/NDF: 174659.7/46

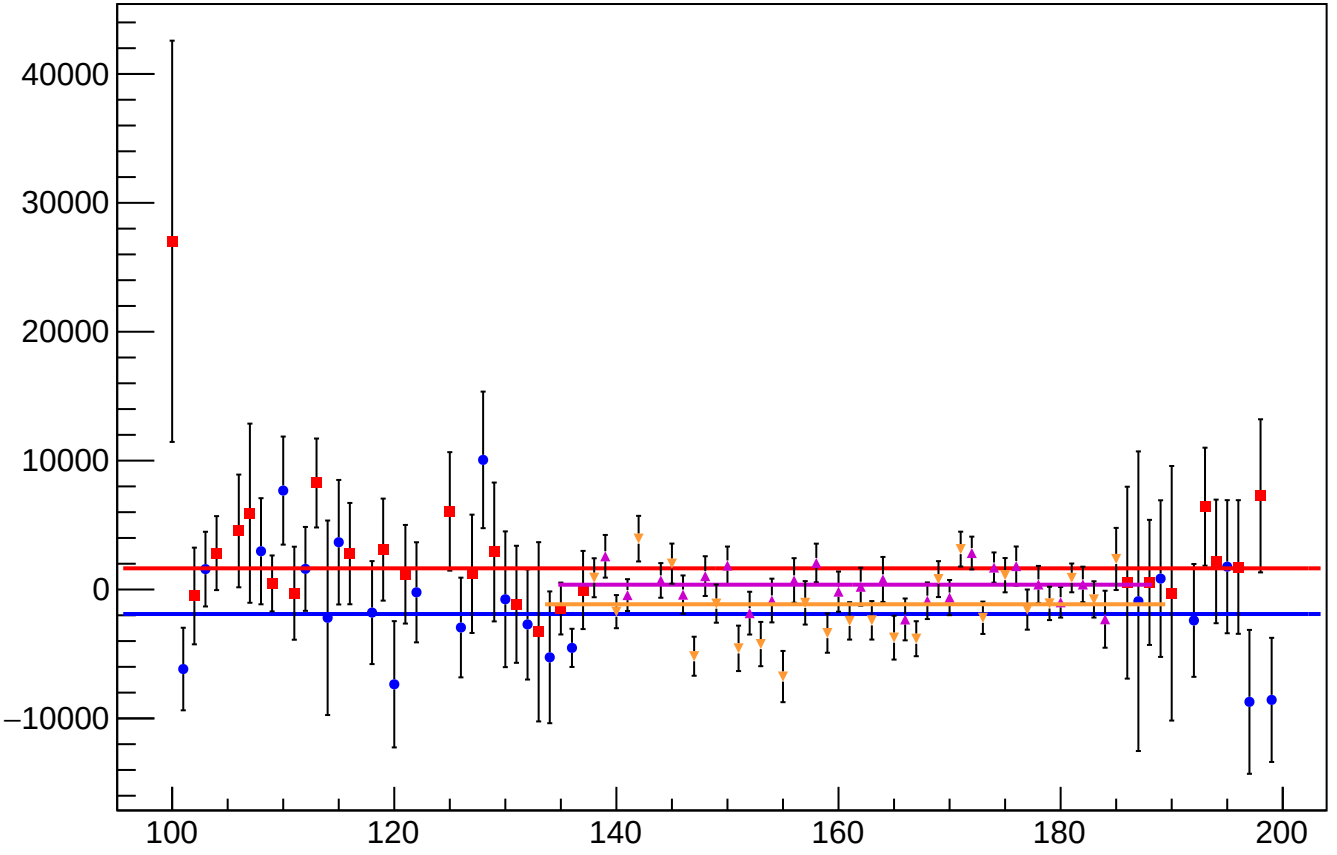
Right: 2148.254+/-0.313 χ^2/NDF: 380185.0/46

In: 2136.530+/-0.277 χ^2/NDF:287091.6/44

Out: 2134.091+/-0.272 χ^2/NDF:270512.1/48

All: 2135.289+/-0.194 χ^2/NDF: 557643.2/93

asym_us_dd_at2lr_dd_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -1900.806+/-804.568 χ^2/NDF: 26.7/21

Left Out: -1144.779+/-302.490 χ^2/NDF:67.5/23

Right Out: 1643.679+/-785.378 χ^2/NDF: 15.2/24

Left In: 373.186+/-305.379 χ^2/NDF:20.3/22

Left: -393.009+/-214.907 χ^2/NDF: 100.3/46

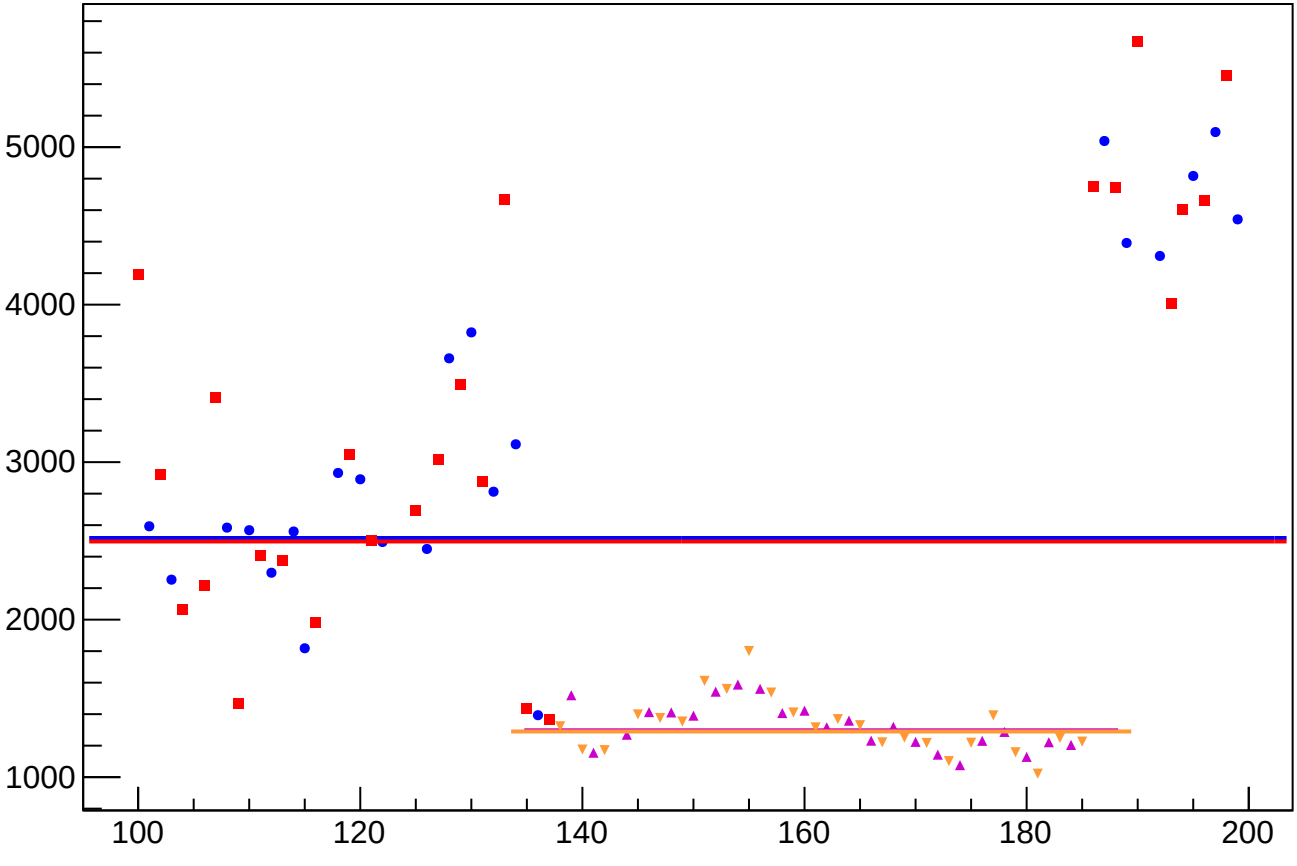
Right: -85.790+/-562.008 χ^2/NDF: 51.8/46

In: 86.840+/-285.505 χ^2/NDF:54.0/44

Out: -784.568+/-282.277 χ^2/NDF:93.6/48

All: -353.817+/-200.732 χ^2/NDF: 152.4/93

asym_us_dd_at2lr_dd_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 2518.350+/-0.569 χ^2/NDF: 3304590.0/21

Left Out: 1290.041+/-0.214 χ^2/NDF:567883.5/23

Right Out: 2496.411+/-0.555 χ^2/NDF: 4068747.4/24

Left In: 1297.458+/-0.216 χ^2/NDF:434006.2/22

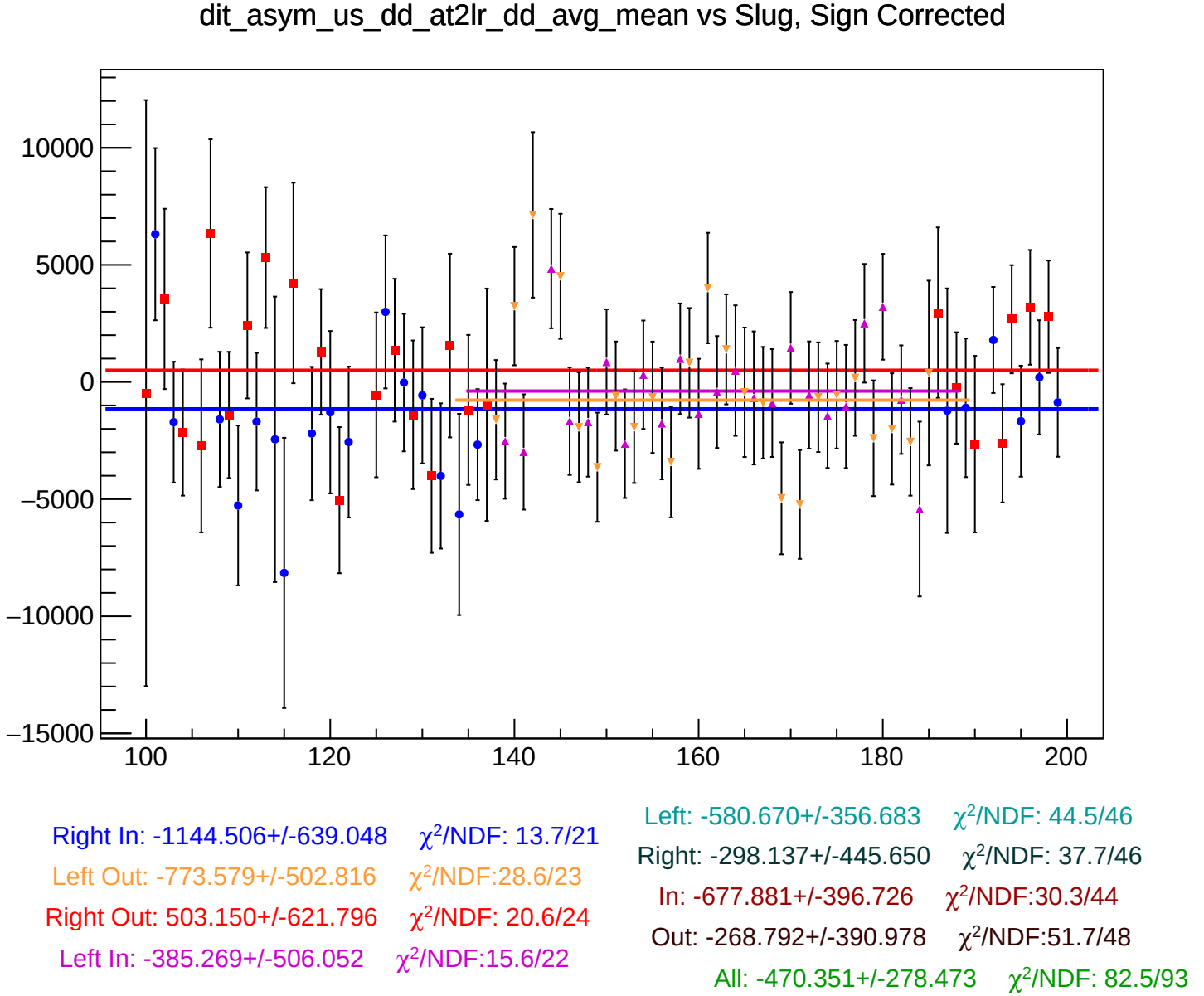
Left: 1293.714+/-0.152 χ^2/NDF: 1002485.3/46

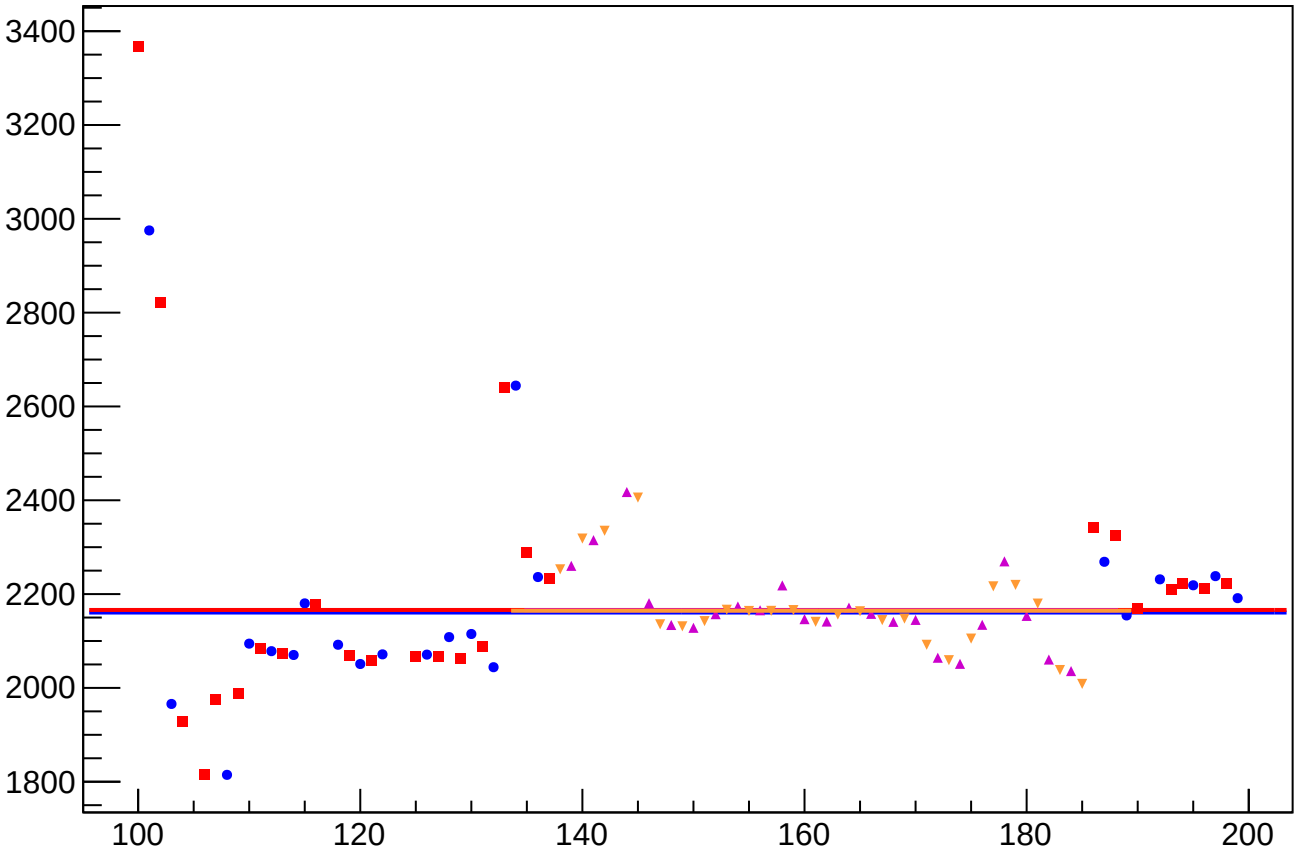
Right: 2507.116+/-0.397 χ^2/NDF: 7374098.9/46

In: 1451.195+/-0.202 χ^2/NDF:7763999.6/44

Out: 1445.879+/-0.200 χ^2/NDF:8745876.7/48

All: 1448.507+/-0.142 χ^2/NDF: 16510226.9/9


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: -1144.506+/-639.048 χ²/NDF: 13.7/21
Left Out: -773.579+/-502.816 χ²/NDF:28.6/23
Right Out: 503.150+/-621.796 χ²/NDF: 20.6/24
Left In: -385.269+/-506.052 χ²/NDF:15.6/22
Left: -580.670+/-356.683 χ²/NDF: 44.5/46
Right: -298.137+/-445.650 χ²/NDF: 37.7/46
In: -677.881+/-396.726 χ²/NDF:30.3/44
Out: -268.792+/-390.978 χ²/NDF:51.7/48
All: -470.351+/-278.473 χ²/NDF: 82.5/93



Right In: 2160.689+/-0.452 χ^2/NDF: 185054.7/21

Left Out: 2164.532+/-0.356 χ^2/NDF:50676.3/23

Right Out: 2166.161+/-0.440 χ^2/NDF: 188104.5/24

Left In: 2165.643+/-0.358 χ^2/NDF:52124.5/22

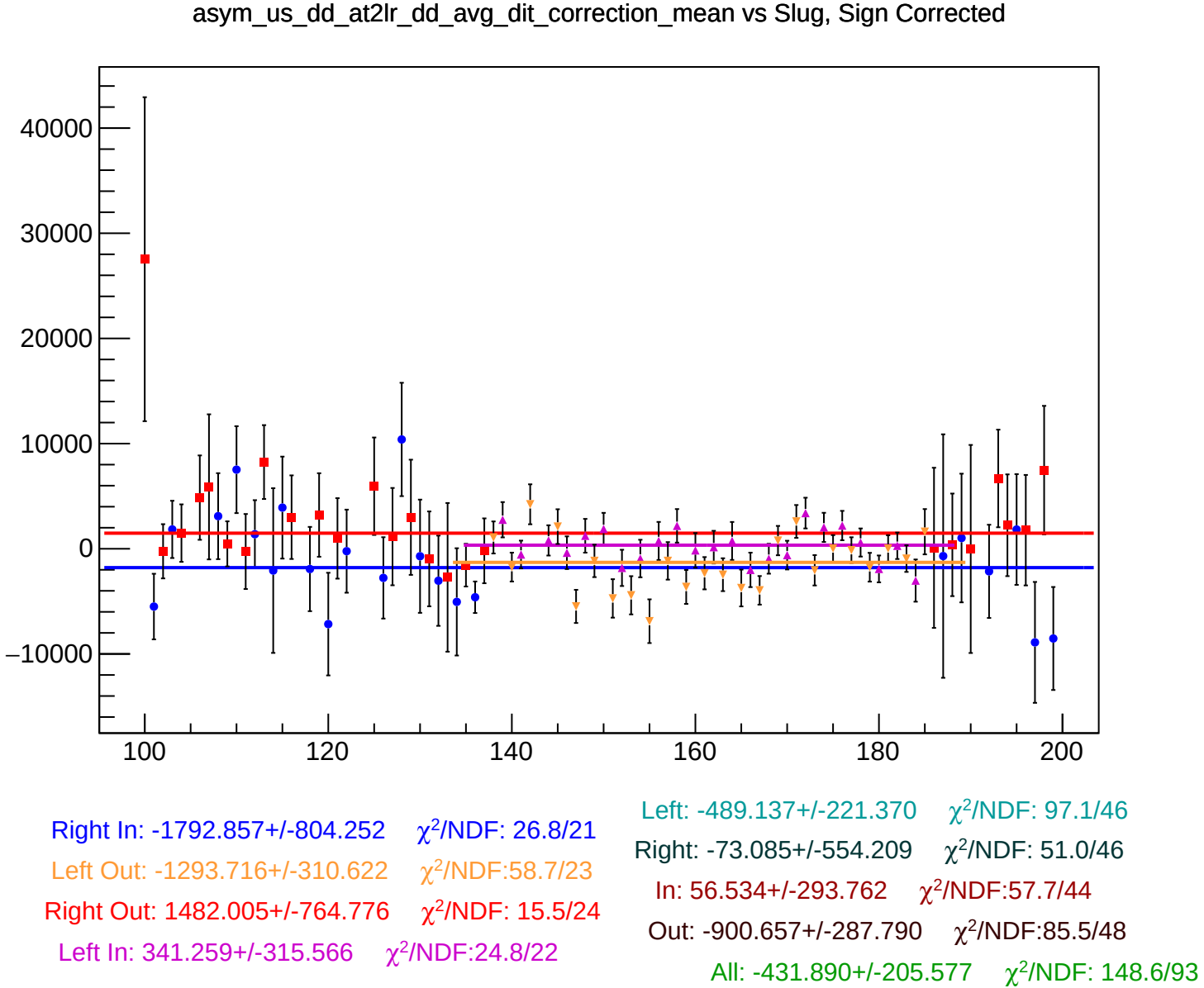
Left: 2165.084+/-0.252 χ^2/NDF: 102805.6/46

Right: 2163.500+/-0.315 χ^2/NDF: 373234.5/46

In: 2163.734+/-0.281 χ^2/NDF:237253.0/44

Out: 2165.176+/-0.276 χ^2/NDF:238789.0/48

All: 2164.466+/-0.197 χ^2/NDF: 476055.4/93


asym_us_dd_at2lr_dd_avg_dit_correction_mean vs Slug, Sign Corrected
40000
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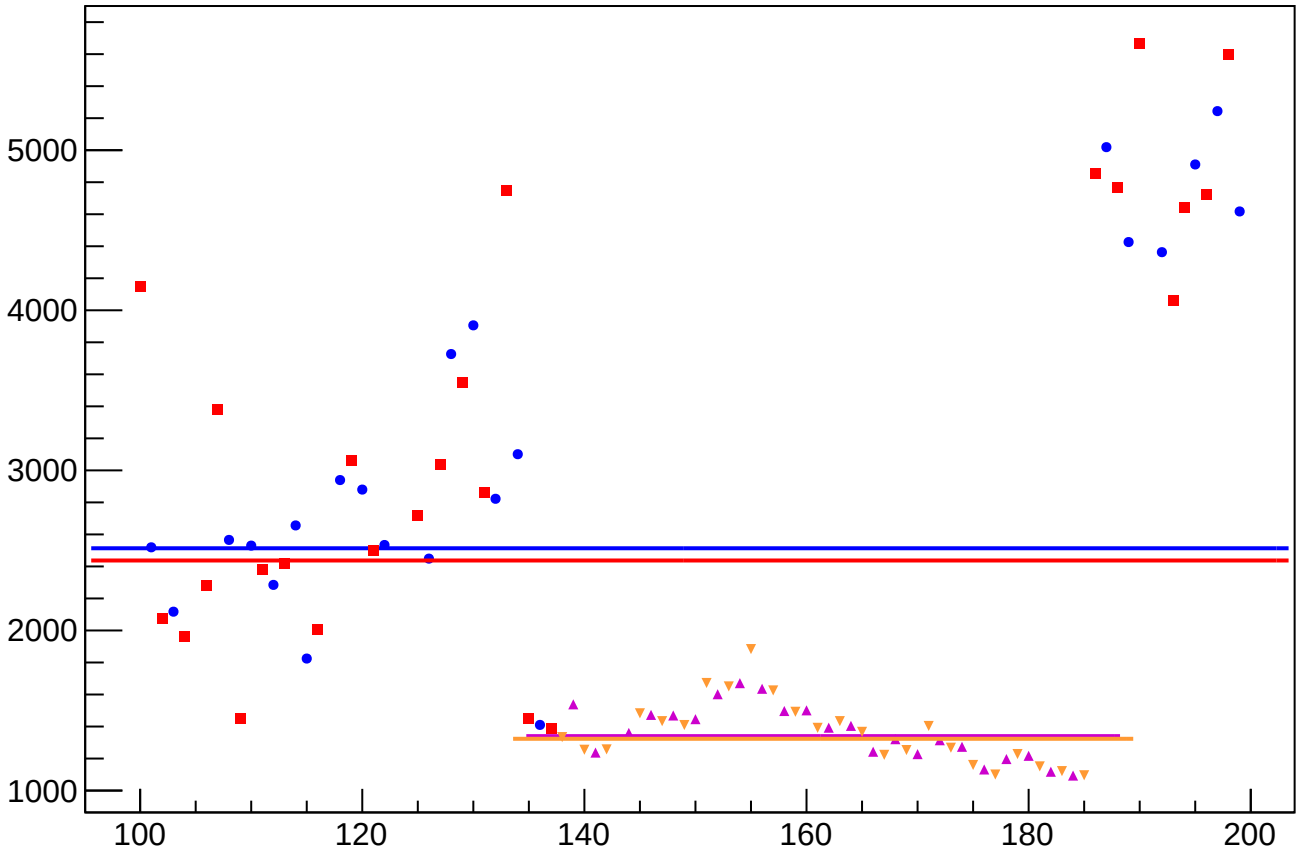
Right In: -1792.857+/-804.252 χ²/NDF: 26.8/21
Left Out: -1293.716+/-310.622 χ²/NDF:58.7/23
Right Out: 1482.005+/-764.776 χ²/NDF: 15.5/24
Left In: 341.259+/-315.566 χ²/NDF:24.8/22
Left: -489.137+/-221.370 χ²/NDF: 97.1/46
Right: -73.085+/-554.209 χ²/NDF: 51.0/46
In: 56.534+/-293.762 χ²/NDF:57.7/44
Out: -900.657+/-287.790 χ²/NDF:85.5/48
All: -431.890+/-205.577 χ²/NDF: 148.6/93



Right In: 2513.495+/-0.569 χ^2/NDF: 3357840.2/21

Left Out: 1323.402+/-0.220 χ^2/NDF:663859.2/23

Right Out: 2437.158+/-0.541 χ^2/NDF: 4170356.4/24

Left In: 1340.084+/-0.223 χ^2/NDF:494267.4/22

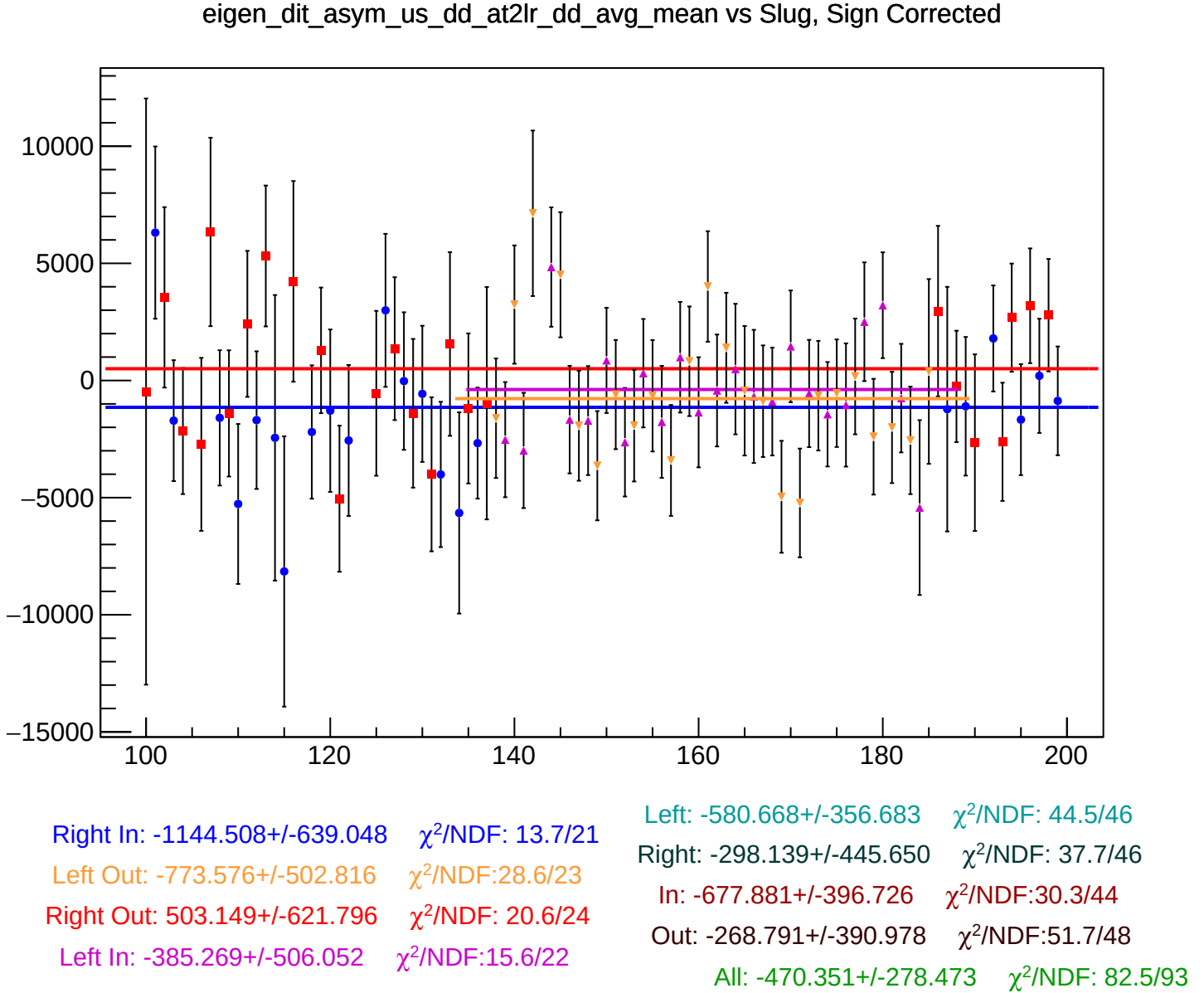
Left: 1331.612+/-0.157 χ^2/NDF: 1160965.4/46

Right: 2473.407+/-0.392 χ^2/NDF: 7537658.6/46

In: 1496.636+/-0.208 χ^2/NDF:7541512.4/44

Out: 1481.117+/-0.203 χ^2/NDF:8475276.0/48

All: 1488.717+/-0.145 χ^2/NDF: 16019636.5/9


eigen_dit_asym_us_dd_at2lr_dd_avg_mean vs Slug, Sign Corrected
10000
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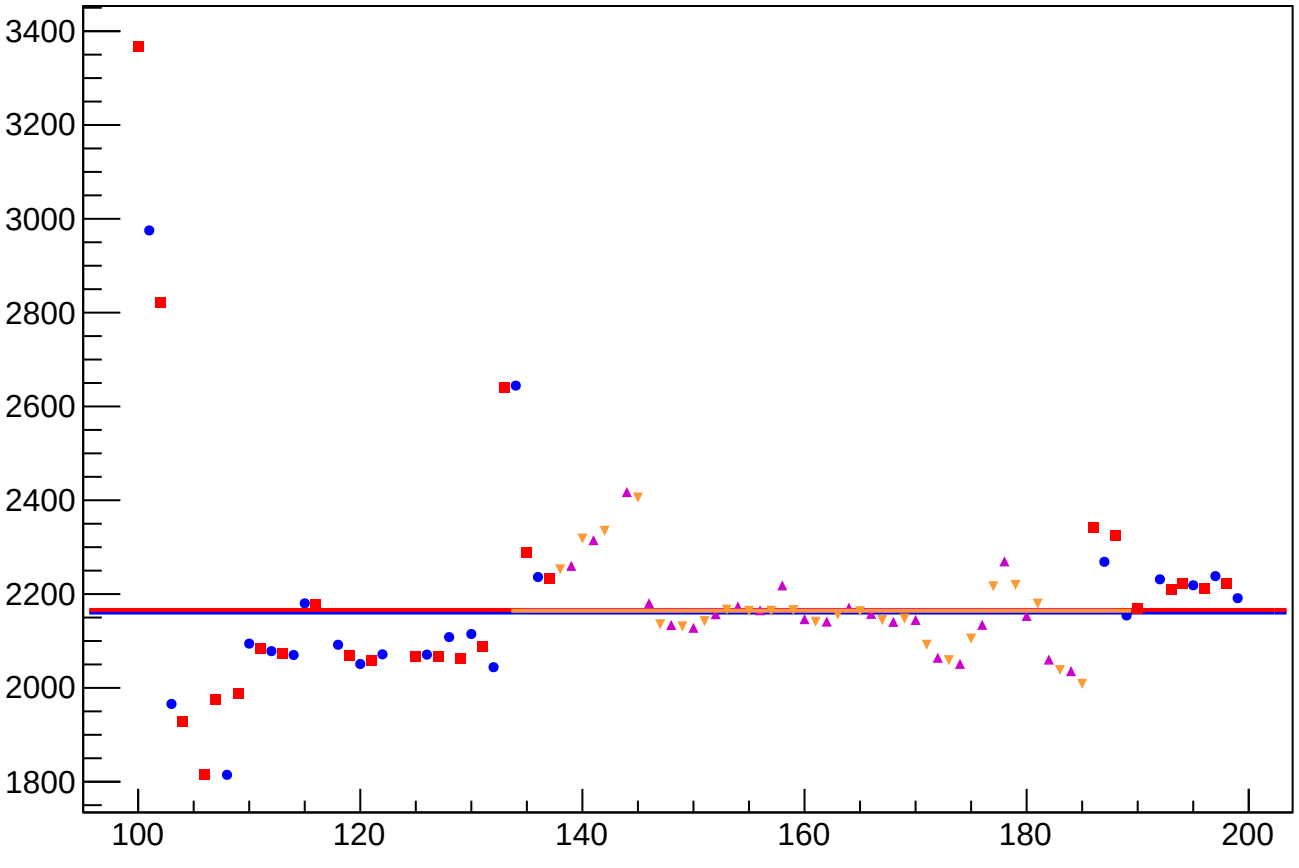
−5000
−10000
−15000
100
120
140
160
180
200
Right In: -1144.508+/-639.048 χ²/NDF: 13.7/21
Left Out: -773.576+/-502.816 χ²/NDF:28.6/23
Right Out: 503.149+/-621.796 χ²/NDF: 20.6/24
Left In: -385.269+/-506.052 χ²/NDF:15.6/22
Left: -580.668+/-356.683 χ²/NDF: 44.5/46
Right: -298.139+/-445.650 χ²/NDF: 37.7/46
In: -677.881+/-396.726 χ²/NDF:30.3/44
Out: -268.791+/-390.978 χ²/NDF:51.7/48
All: -470.351+/-278.473 χ²/NDF: 82.5/93



Right In: 2160.688+/-0.452 χ^2/NDF: 185054.6/21

Left Out: 2164.532+/-0.356 χ^2/NDF:50676.3/23

Right Out: 2166.161+/-0.440 χ^2/NDF: 188104.3/24

Left In: 2165.643+/-0.358 χ^2/NDF:52124.4/22

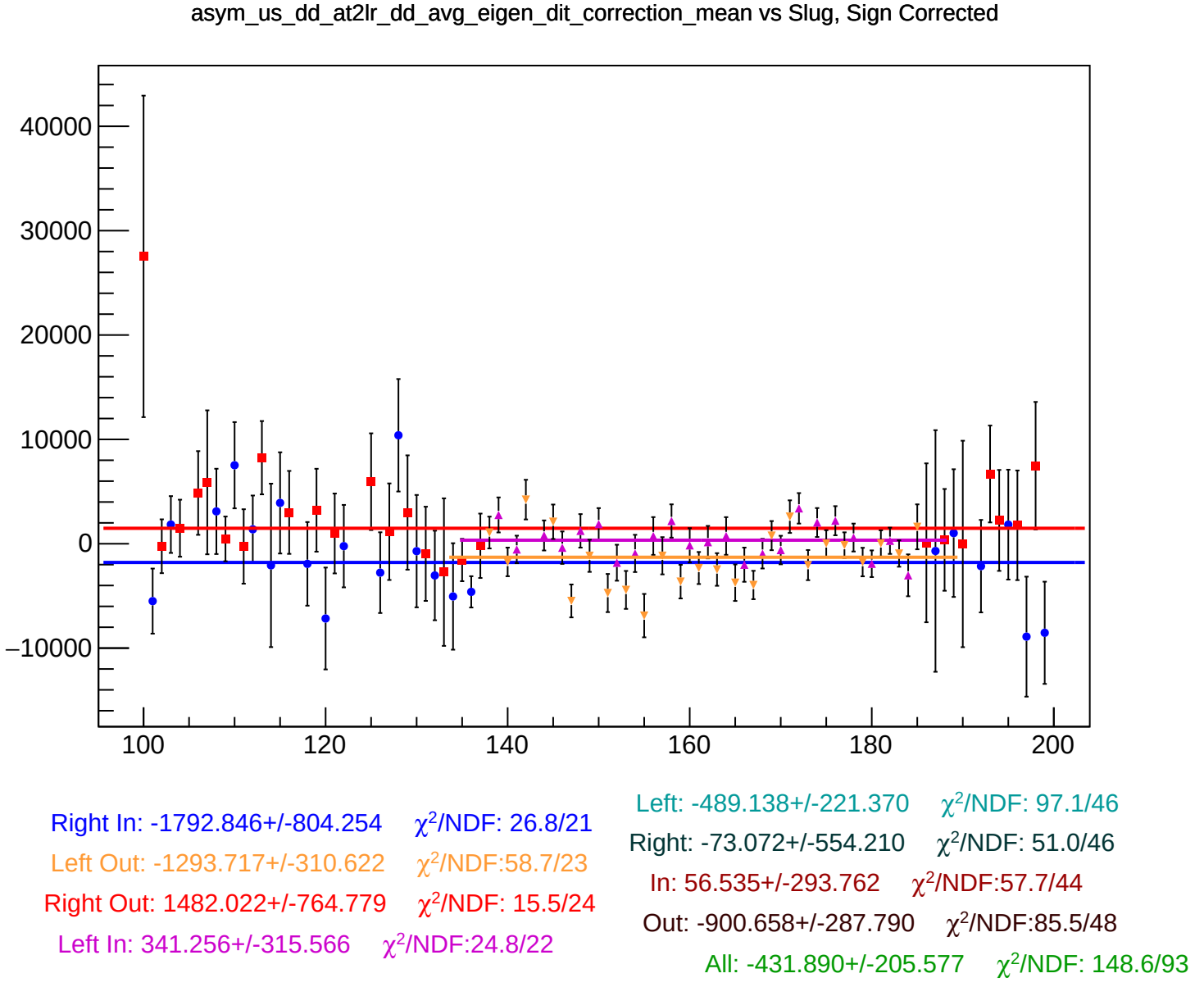
Left: 2165.084+/-0.252 χ^2/NDF: 102805.6/46

Right: 2163.500+/-0.315 χ^2/NDF: 373234.2/46

In: 2163.733+/-0.281 χ^2/NDF:237252.9/44

Out: 2165.176+/-0.276 χ^2/NDF:238789.0/48

All: 2164.465+/-0.197 χ^2/NDF: 476055.3/93


asym_us_dd_at2lr_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
40000
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−10000
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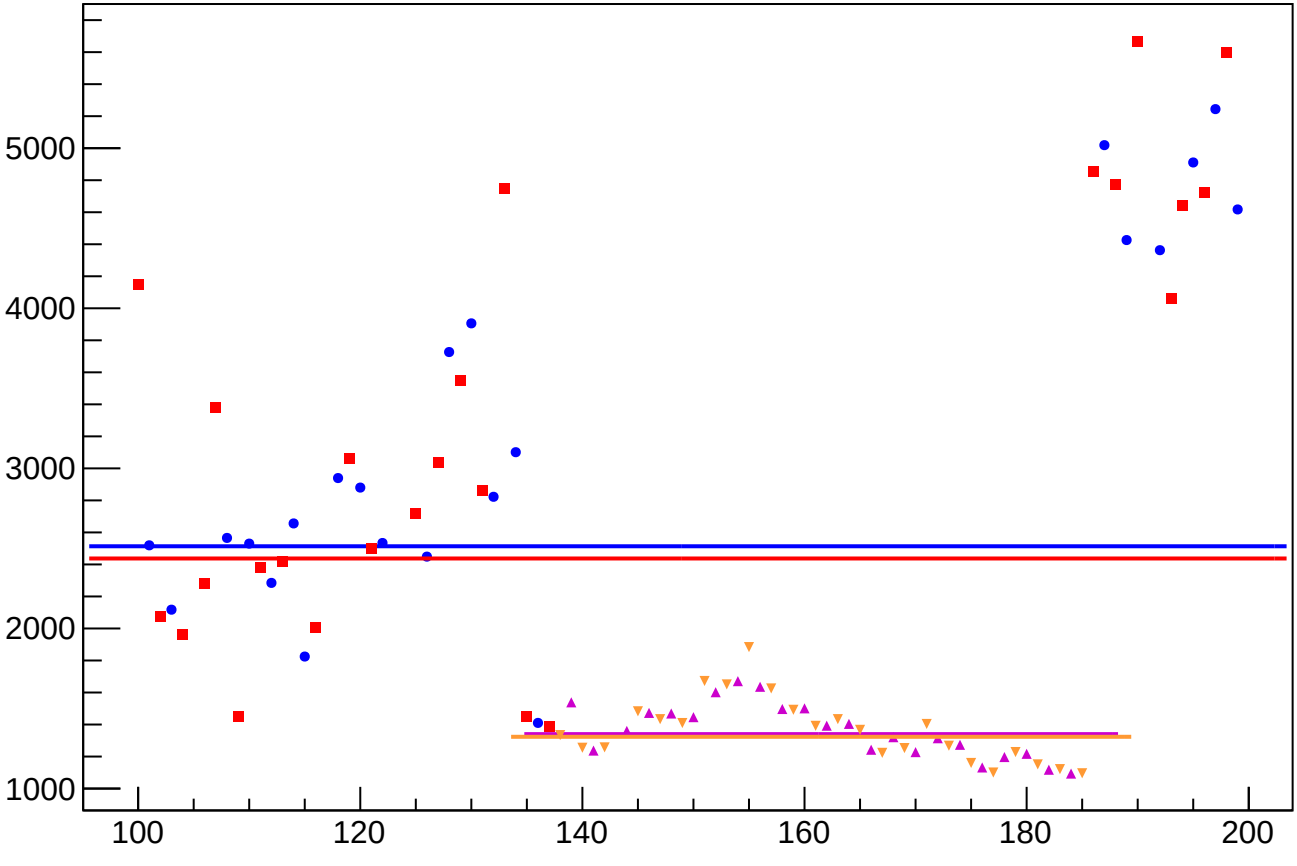
120
140
160
180
200
Right In: -1792.846+/-804.254 χ²/NDF: 26.8/21
Left Out: -1293.717+/-310.622 χ²/NDF:58.7/23
Right Out: 1482.022+/-764.779 χ²/NDF: 15.5/24
Left In: 341.256+/-315.566 χ²/NDF:24.8/22
Left: -489.138+/-221.370 χ²/NDF: 97.1/46
Right: -73.072+/-554.210 χ²/NDF: 51.0/46
In: 56.535+/-293.762 χ²/NDF:57.7/44
Out: -900.658+/-287.790 χ²/NDF:85.5/48
All: -431.890+/-205.577 χ²/NDF: 148.6/93

asym_us_dd_at2lr_dd_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 2513.507+/-0.569 χ^2/NDF: 3357758.3/21

Left Out: 1323.402+/-0.220 χ^2/NDF:663857.6/23

Right Out: 2437.171+/-0.541 χ^2/NDF: 4170278.4/24

Left In: 1340.083+/-0.223 χ^2/NDF:494276.1/22

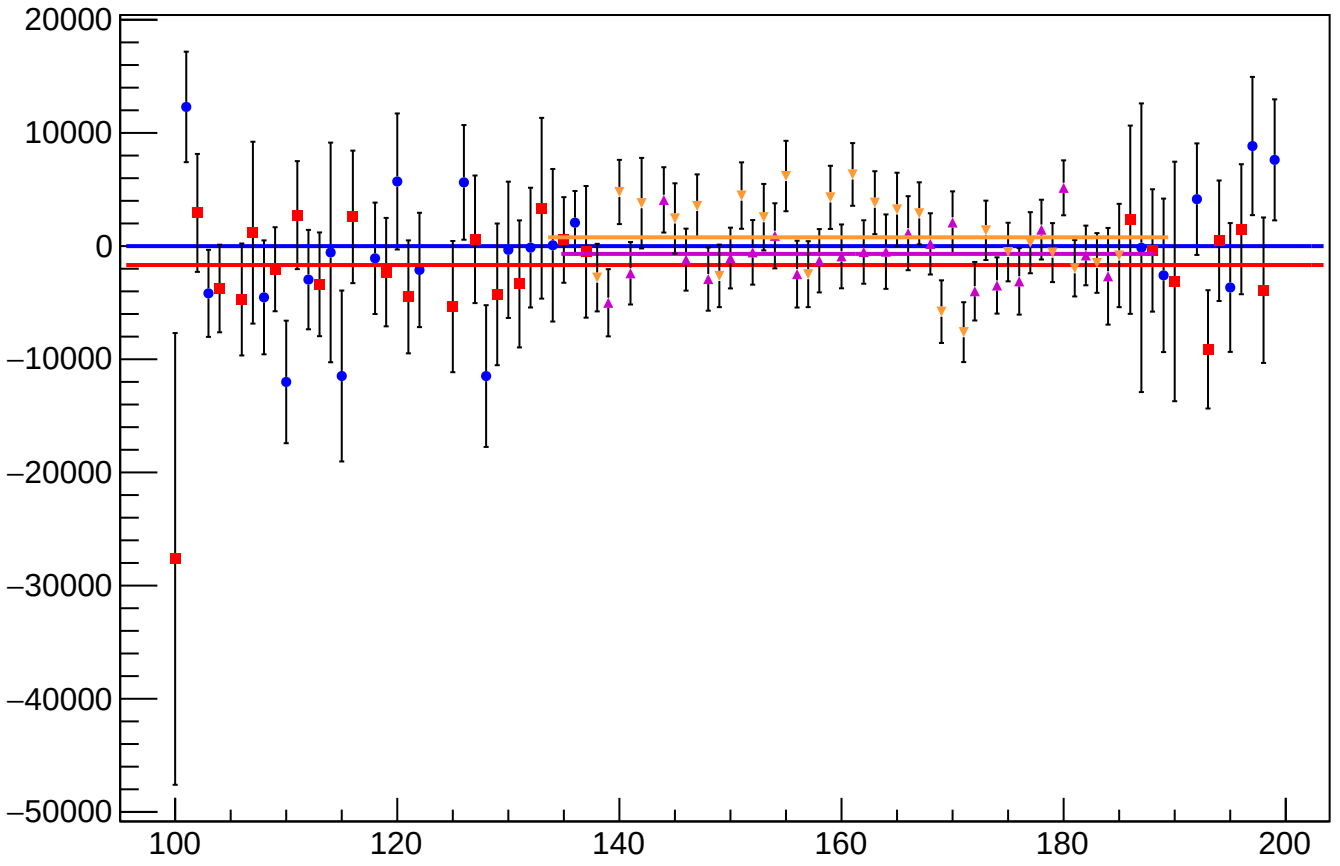
Left: 1331.611+/-0.157 χ^2/NDF: 1160972.0/46

Right: 2473.420+/-0.392 χ^2/NDF: 7537498.6/46

In: 1496.635+/-0.208 χ^2/NDF:7541509.8/44

Out: 1481.118+/-0.203 χ^2/NDF:8475261.5/48

All: 1488.717+/-0.145 χ^2/NDF: 16019618.9/9



Right In: -3.425+/-1110.915 χ^2/NDF: 27.7/21

Left Out: 774.788+/-583.692 χ^2/NDF:39.3/23

Right Out: -1672.830+/-1080.240 χ^2/NDF: 9.7/24

Left In: -689.981+/-587.431 χ^2/NDF:18.3/22

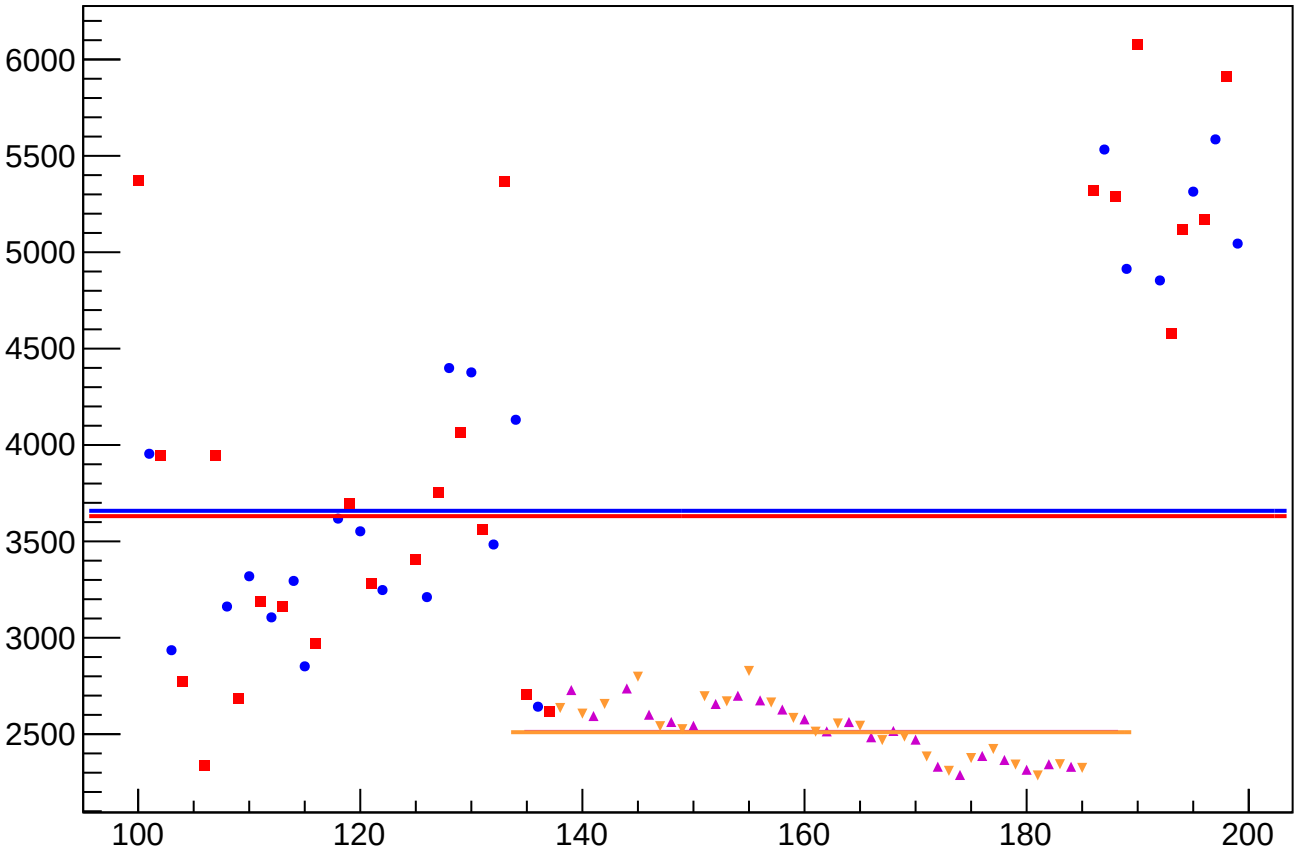
Left: 47.079+/-414.048 χ^2/NDF: 60.8/46

Right: -861.494+/-774.463 χ^2/NDF: 38.5/46

In: -539.960+/-519.300 χ^2/NDF:46.3/44

Out: 221.666+/-513.522 χ^2/NDF:53.0/48

All: -154.887+/-365.140 χ^2/NDF: 100.4/93



Right In: 3658.598+/-0.786 χ^2/NDF: 1256161.1/21

Left Out: 2510.069+/-0.413 χ^2/NDF:128632.5/23

Right Out: 3630.947+/-0.764 χ^2/NDF: 1747080.8/24

Left In: 2511.613+/-0.415 χ^2/NDF:113485.5/22

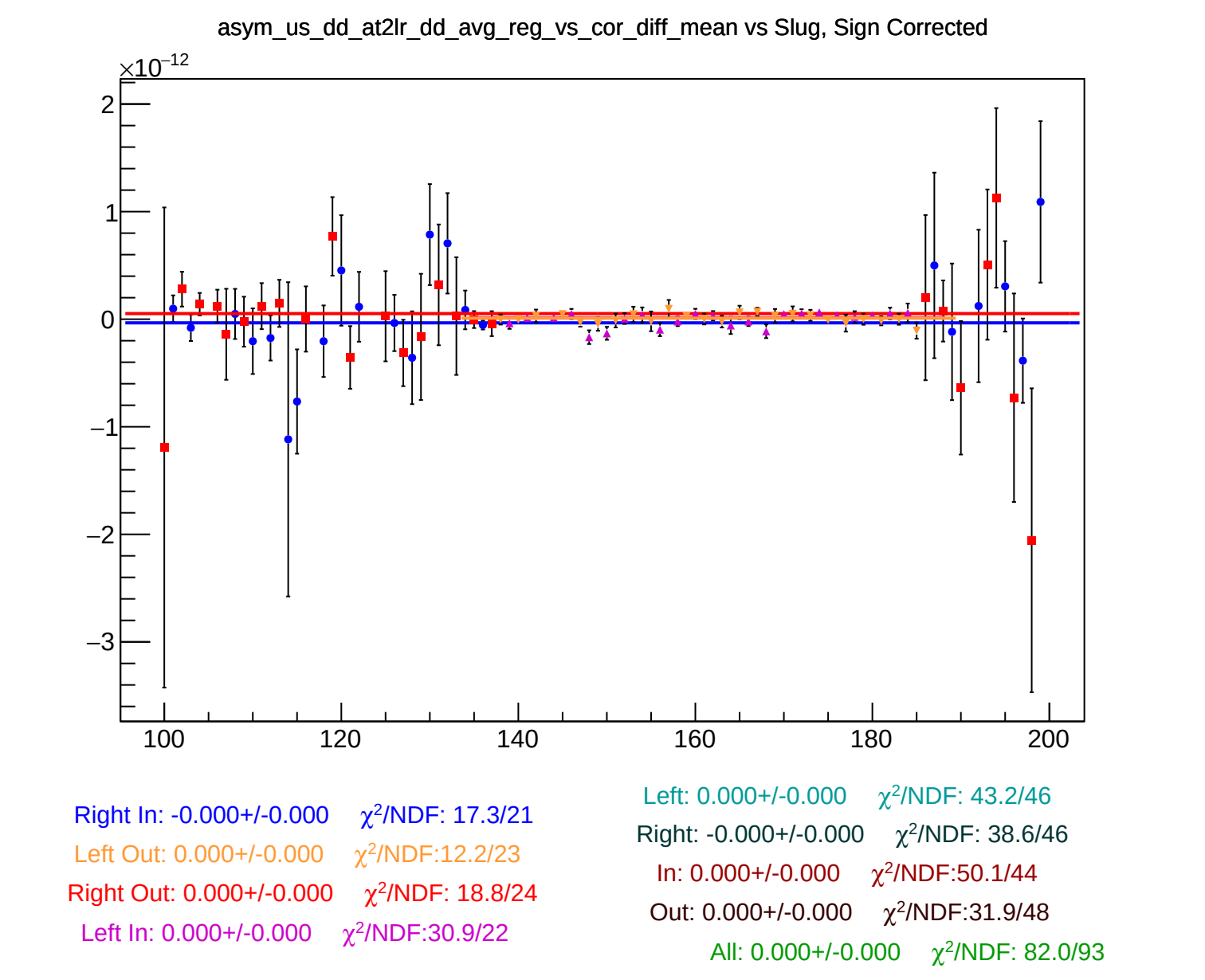
Left: 2510.836+/-0.293 χ^2/NDF: 242124.9/46

Right: 3644.385+/-0.548 χ^2/NDF: 3003878.8/46

In: 2762.242+/-0.367 χ^2/NDF:3035771.2/44

Out: 2763.373+/-0.363 χ^2/NDF:3542439.2/48

All: 2762.814+/-0.258 χ^2/NDF: 6578215.1/93


asym_us_dd_at2lr_dd_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
1
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−1
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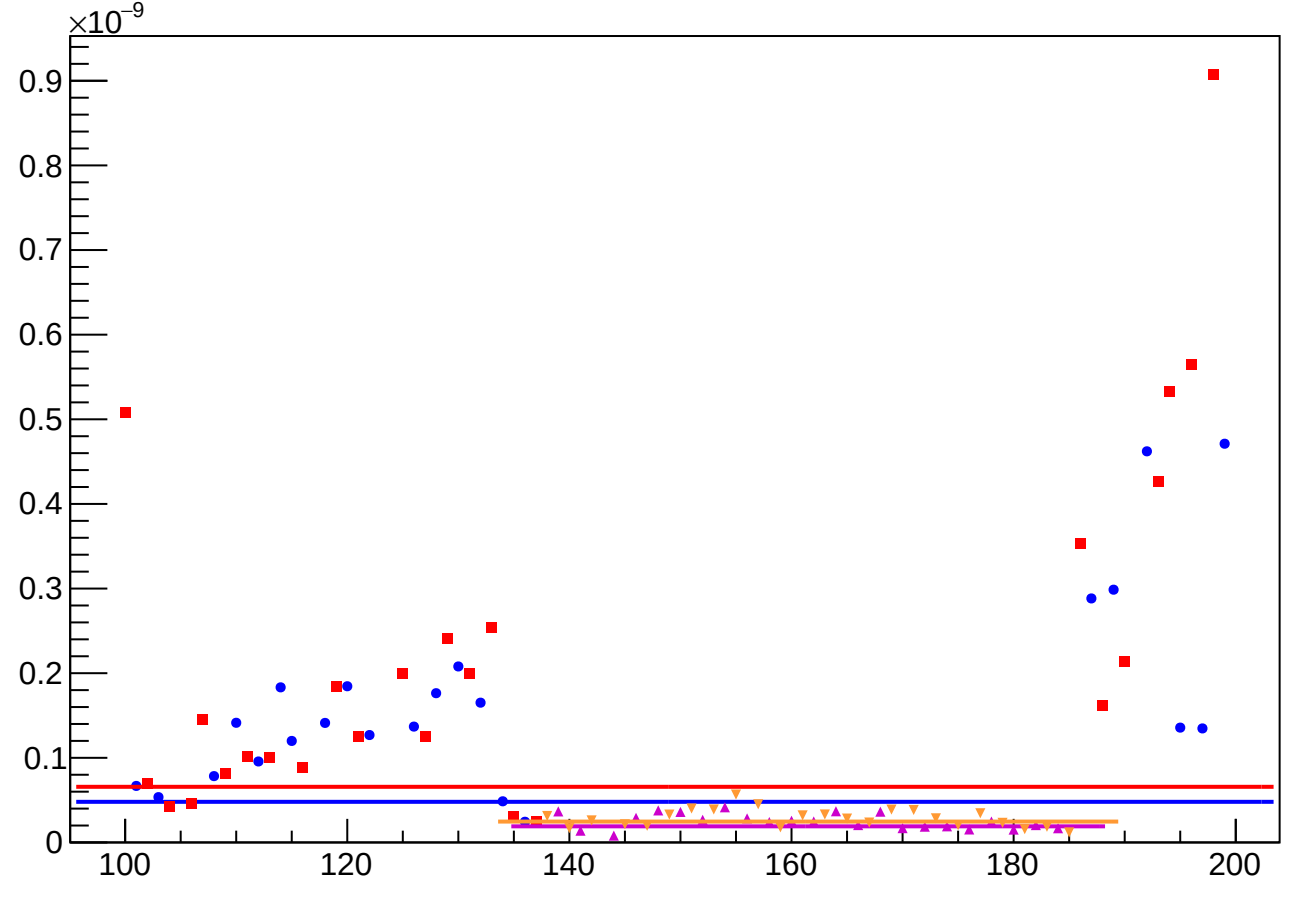
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 17.3/21
Left Out: 0.000+/-0.000 χ²/NDF:12.2/23
Right Out: 0.000+/-0.000 χ²/NDF: 18.8/24
Left In: 0.000+/-0.000 χ²/NDF:30.9/22
Left: 0.000+/-0.000 χ²/NDF: 43.2/46
Right: -0.000+/-0.000 χ²/NDF: 38.6/46
In: 0.000+/-0.000 χ²/NDF:50.1/44
Out: 0.000+/-0.000 χ²/NDF:31.9/48
All: 0.000+/-0.000 χ²/NDF: 82.0/93



Right In: 0.000+/-0.000 χ^2/NDF: 4228886.4/21

Left Out: 0.000+/-0.000 χ^2/NDF:1413212.9/23

Right Out: 0.000+/-0.000 χ^2/NDF: 5182397.2/24

Left In: 0.000+/-0.000 χ^2/NDF:2190334.0/22

Left: 0.000+/-0.000 χ^2/NDF: 3972817.3/46

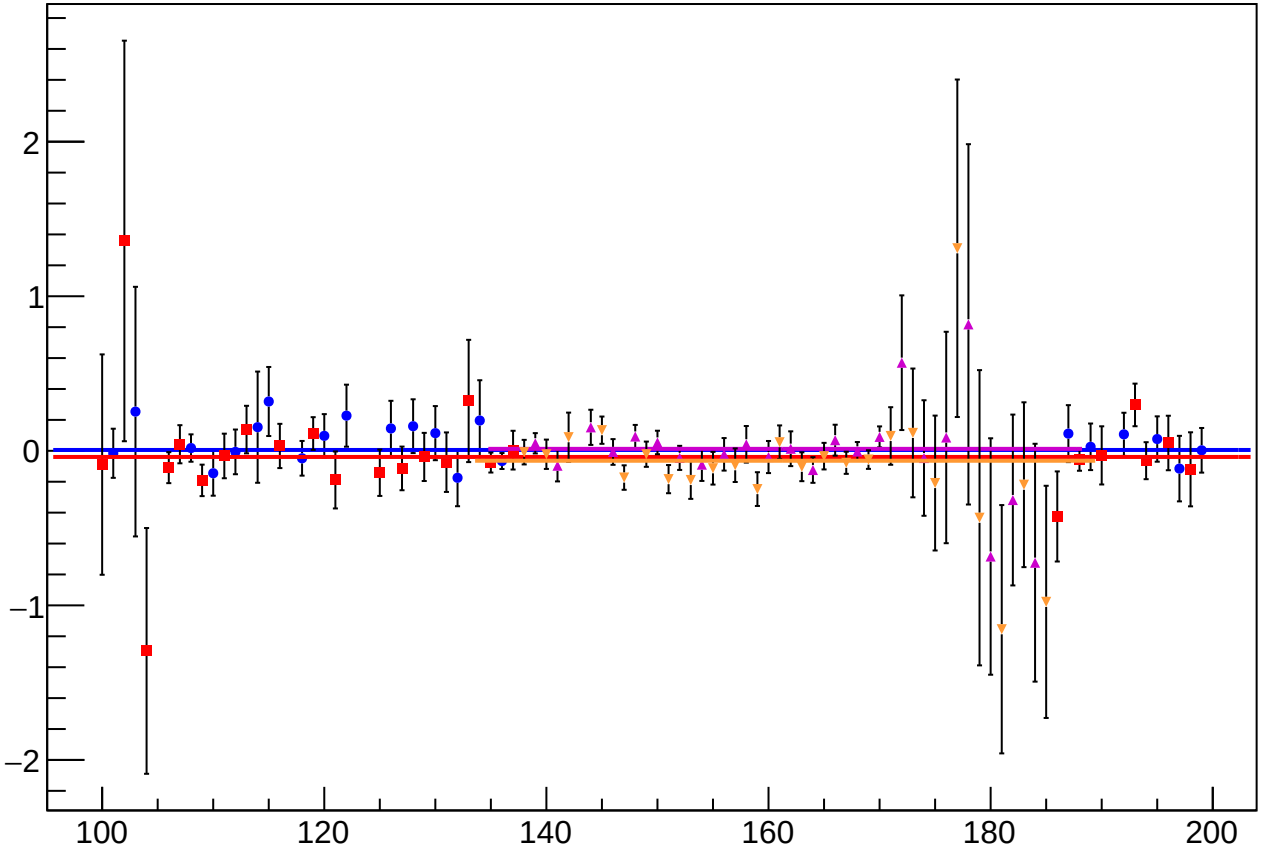
Right: 0.000+/-0.000 χ^2/NDF: 9623952.9/46

In: 0.000+/-0.000 χ^2/NDF:7787321.2/44

Out: 0.000+/-0.000 χ^2/NDF:8366674.9/48

All: 0.000+/-0.000 χ^2/NDF: 16606570.7/93

asym_us_dd_at2lr_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.005+/-0.029 χ^2/NDF: 11.8/21

Left Out: -0.064+/-0.022 χ^2/NDF:22.3/23

Right Out: -0.040+/-0.027 χ^2/NDF: 21.3/24

Left In: 0.013+/-0.021 χ^2/NDF:15.0/22

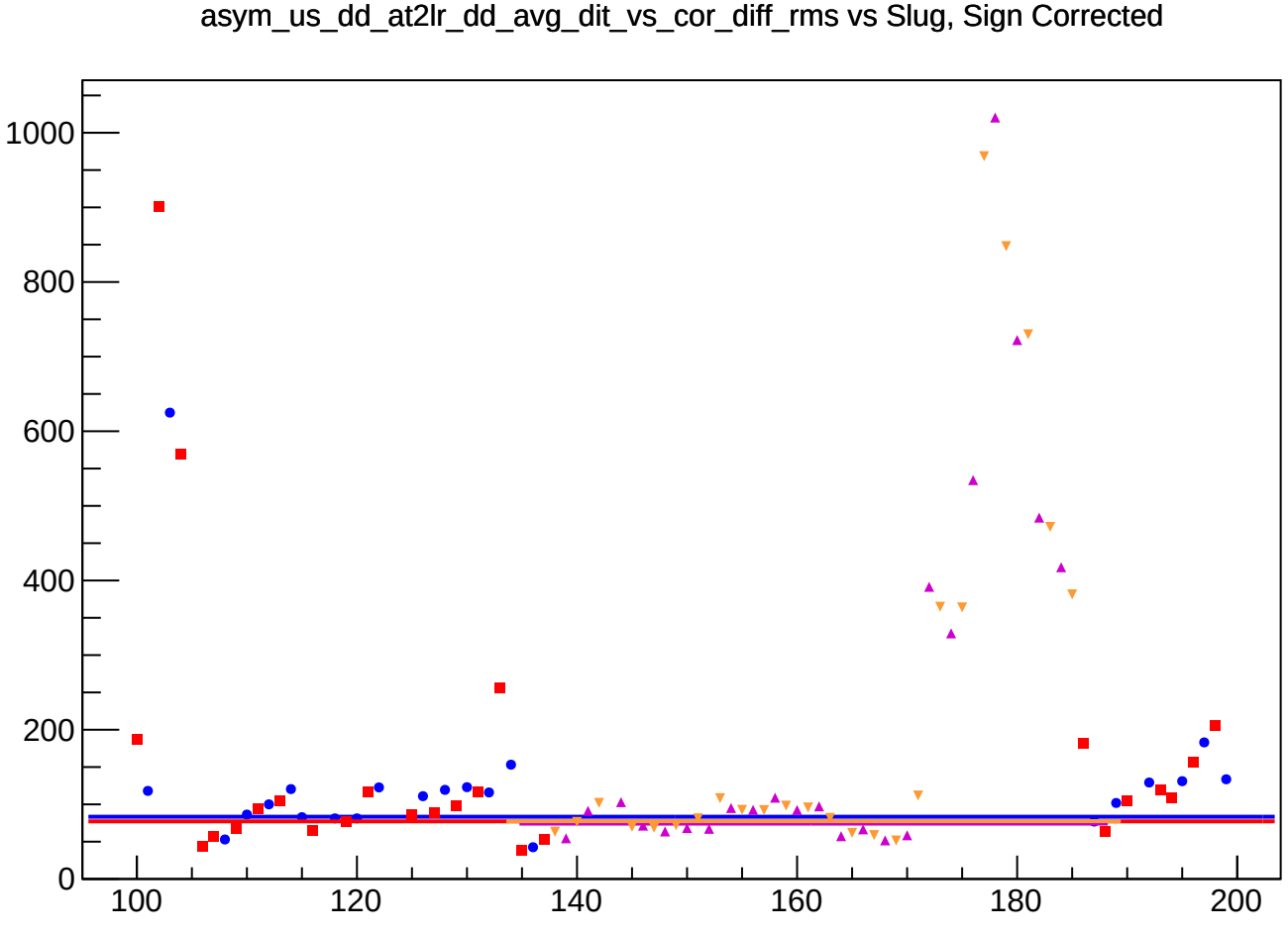
Left: -0.024+/-0.015 χ^2/NDF: 43.7/46

Right: -0.019+/-0.020 χ^2/NDF: 34.5/46

In: 0.010+/-0.017 χ^2/NDF:26.9/44

Out: -0.054+/-0.017 χ^2/NDF:44.2/48

All: -0.022+/-0.012 χ^2/NDF: 78.2/93



Right In: 83.424+/-0.020 χ^2/NDF: 4196584.2/21

Left Out: 77.533+/-0.016 χ^2/NDF:8331194.0/23

Right Out: 77.248+/-0.019 χ^2/NDF: 5154569.4/24

Left In: 74.216+/-0.015 χ^2/NDF:8514080.5/22

Left: 75.800+/-0.011 χ^2/NDF: 16868814.0/46

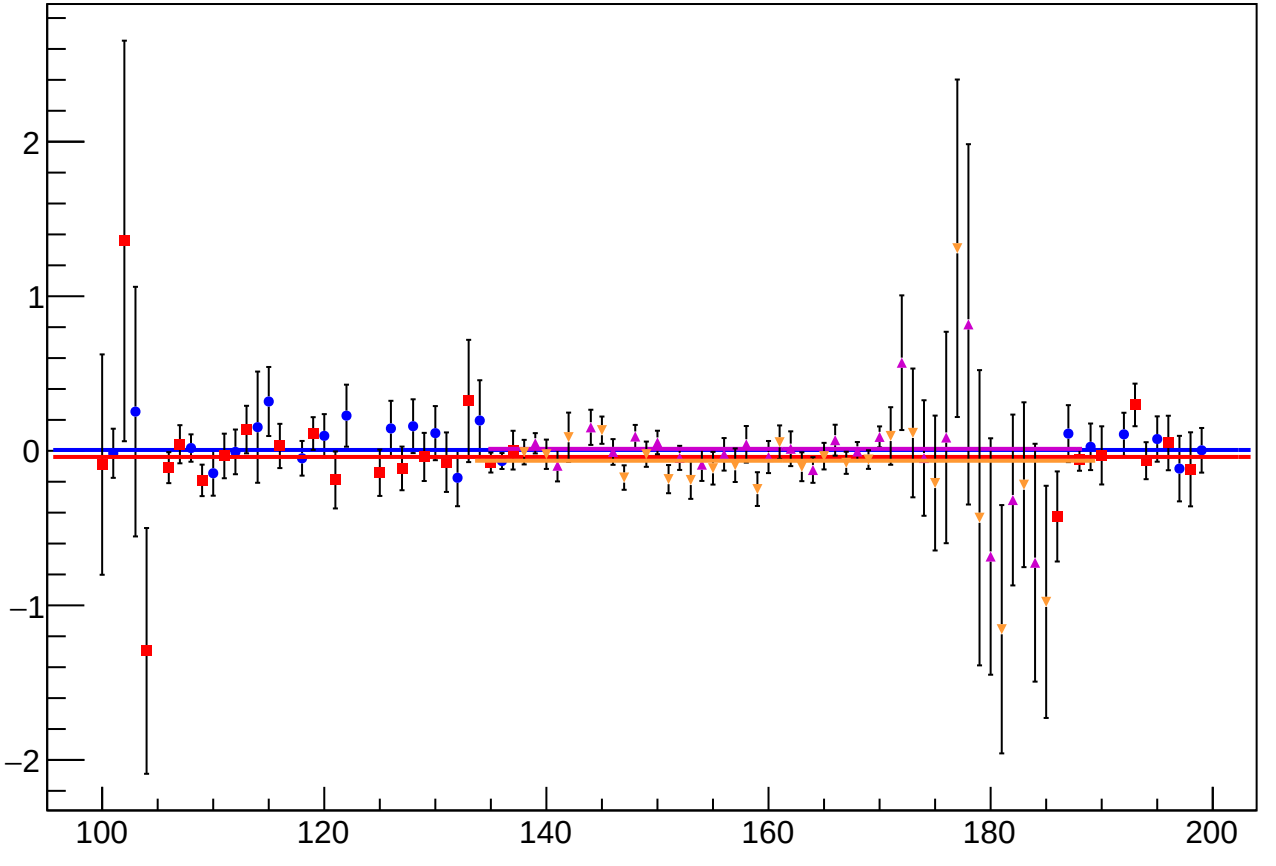
Right: 80.097+/-0.014 χ^2/NDF: 9400654.5/46

In: 77.435+/-0.012 χ^2/NDF:12843493.8/44

Out: 77.417+/-0.012 χ^2/NDF:13485899.4/48

All: 77.426+/-0.009 χ^2/NDF: 26329394.3/93

asym_us_dd_at2lr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.005+/-0.029 χ^2/NDF: 11.8/21

Left Out: -0.064+/-0.022 χ^2/NDF:22.3/23

Right Out: -0.040+/-0.027 χ^2/NDF: 21.3/24

Left In: 0.013+/-0.021 χ^2/NDF:15.0/22

Left: -0.024+/-0.015 χ^2/NDF: 43.7/46

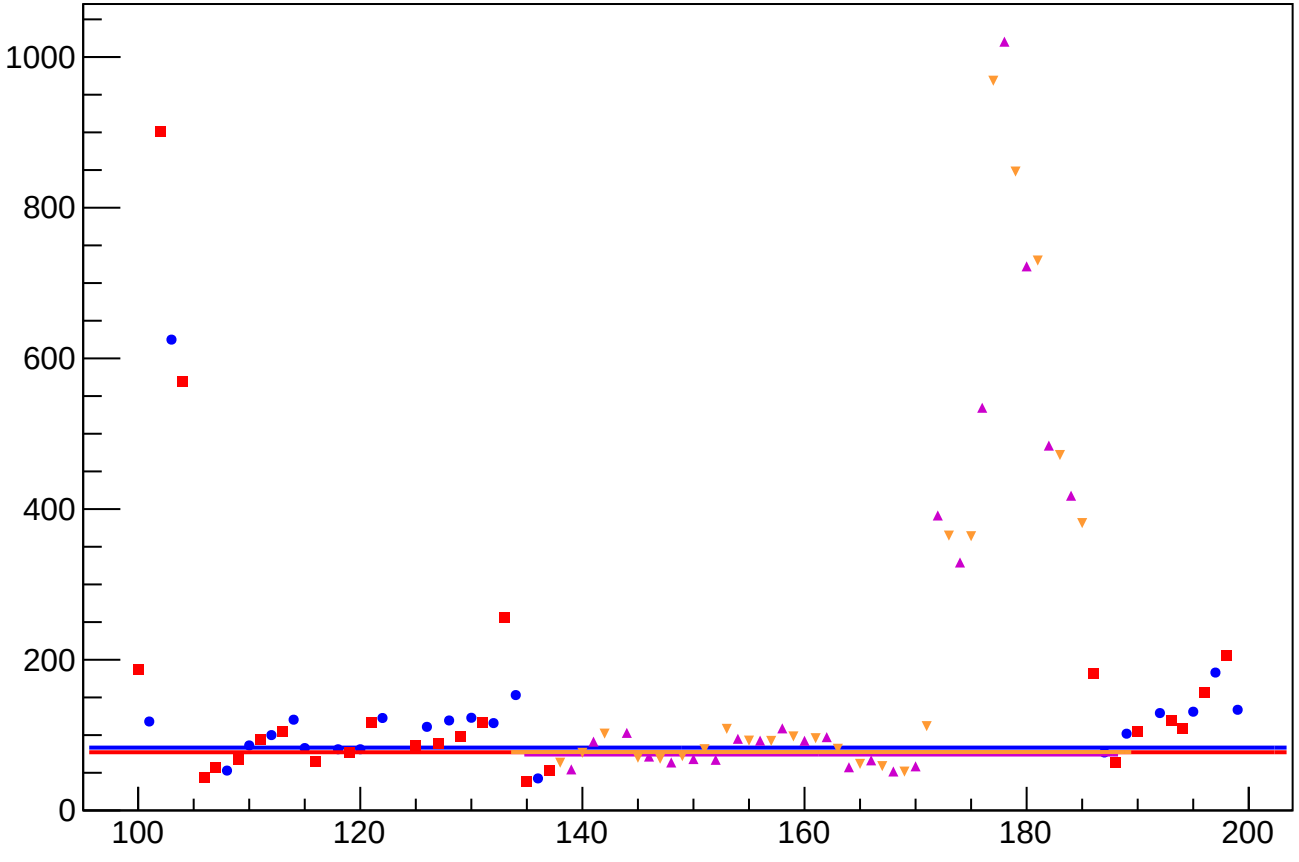
Right: -0.019+/-0.020 χ^2/NDF: 34.5/46

In: 0.010+/-0.017 χ^2/NDF:26.9/44

Out: -0.054+/-0.017 χ^2/NDF:44.2/48

All: -0.022+/-0.012 χ^2/NDF: 78.2/93

asym_us_dd_at2lr_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 83.424+/-0.020 χ^2/NDF: 4196584.2/21

Left Out: 77.533+/-0.016 χ^2/NDF:8331194.0/23

Right Out: 77.248+/-0.019 χ^2/NDF: 5154569.4/24

Left In: 74.216+/-0.015 χ^2/NDF:8514080.5/22

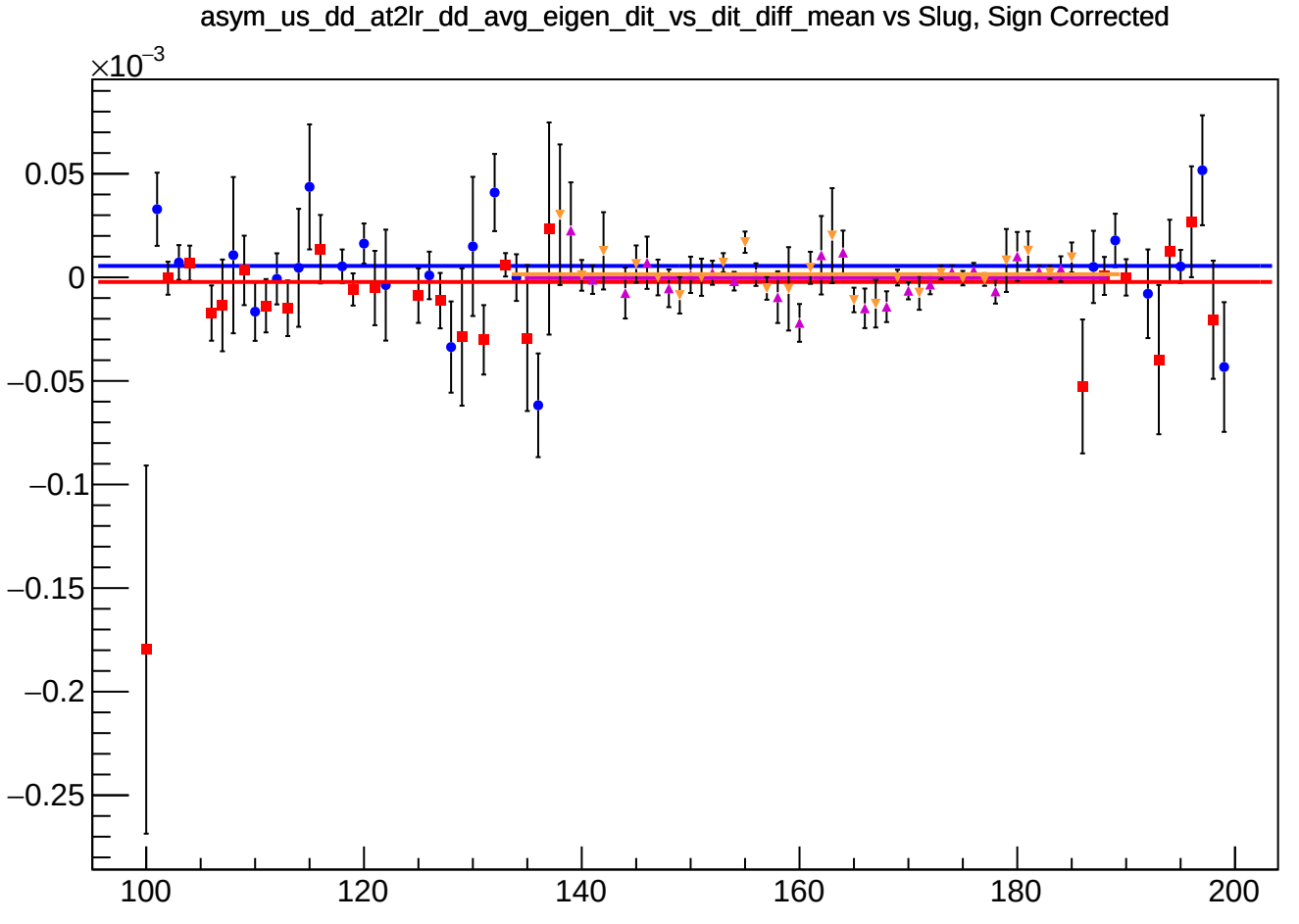
Left: 75.800+/-0.011 χ^2/NDF: 16868814.0/46

Right: 80.097+/-0.014 χ^2/NDF: 9400654.5/46

In: 77.435+/-0.012 χ^2/NDF:12843493.8/44

Out: 77.417+/-0.012 χ^2/NDF:13485899.4/48

All: 77.426+/-0.009 χ^2/NDF: 26329394.3/93



Right In: 0.000+/-0.000 χ^2/NDF: 29.4/21

Left Out: 0.000+/-0.000 χ^2/NDF:27.1/23

Right Out: -0.000+/-0.000 χ^2/NDF: 23.1/24

Left In: -0.000+/-0.000 χ^2/NDF:24.6/22

Left: 0.000+/-0.000 χ^2/NDF: 52.9/46

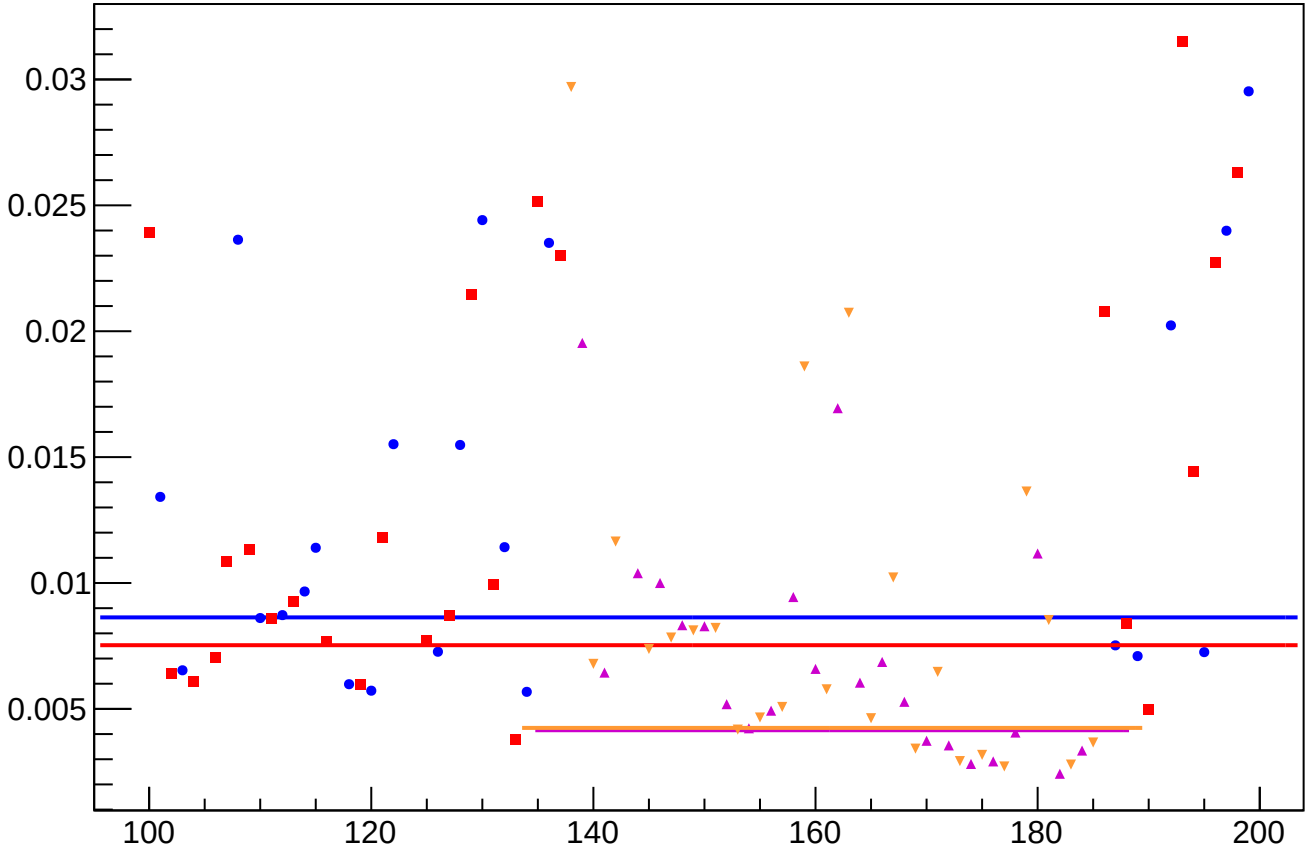
Right: 0.000+/-0.000 χ^2/NDF: 56.4/46

In: 0.000+/-0.000 χ^2/NDF:57.3/44

Out: 0.000+/-0.000 χ^2/NDF:52.0/48

All: 0.000+/-0.000 χ^2/NDF: 109.3/93

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 4927850.0/21

Left Out: 0.004+/-0.000 χ^2/NDF:8650909.7/23

Right Out: 0.008+/-0.000 χ^2/NDF: 5878852.4/24

Left In: 0.004+/-0.000 χ^2/NDF:6886421.5/22

Left: 0.004+/-0.000 χ^2/NDF: 15543472.1/46

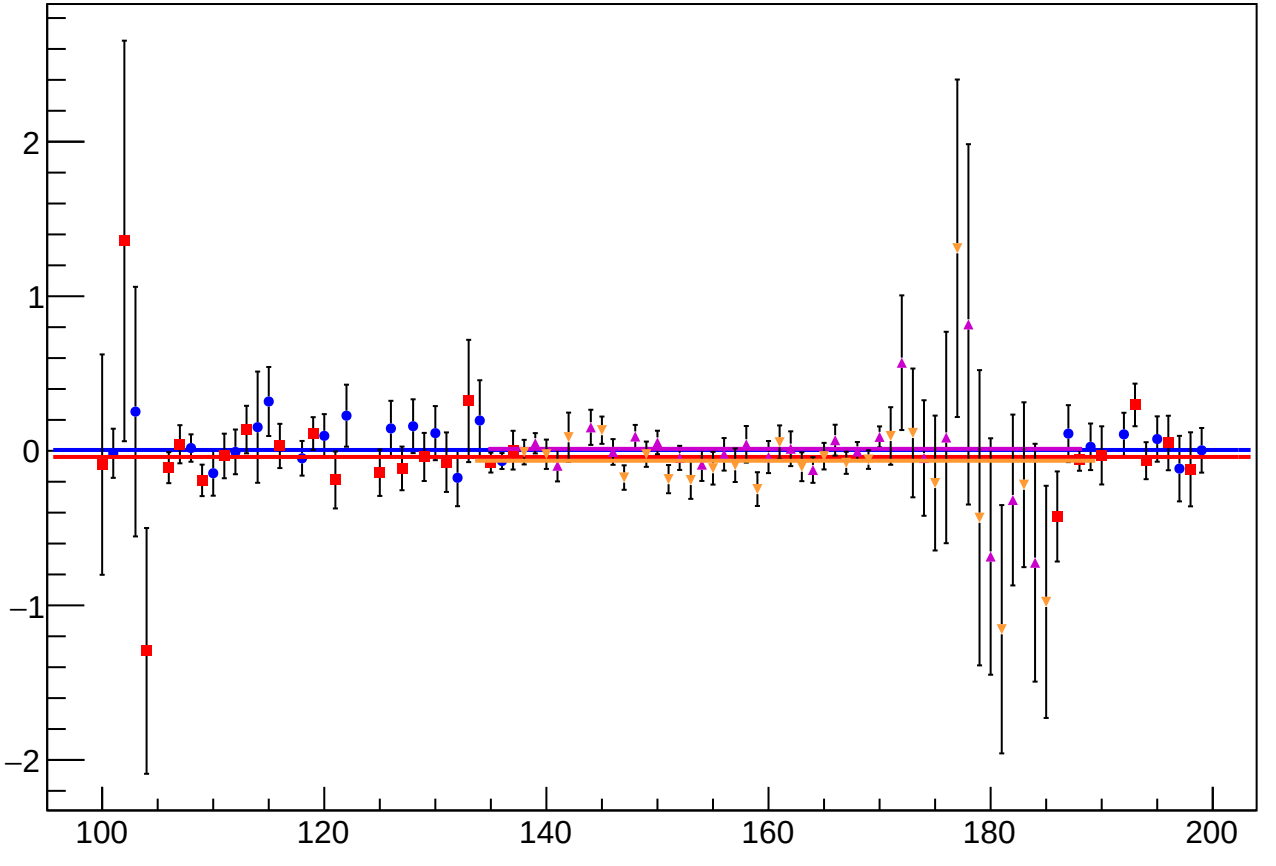
Right: 0.008+/-0.000 χ^2/NDF: 10966162.0/46

In: 0.005+/-0.000 χ^2/NDF:15683493.3/44

Out: 0.005+/-0.000 χ^2/NDF:17344258.6/48

All: 0.005+/-0.000 χ^2/NDF: 33030668.3/93

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.005+/-0.029 χ^2/NDF: 11.8/21

Left Out: -0.064+/-0.022 χ^2/NDF:22.3/23

Right Out: -0.040+/-0.027 χ^2/NDF: 21.3/24

Left In: 0.013+/-0.021 χ^2/NDF:15.0/22

Left: -0.024+/-0.015 χ^2/NDF: 43.7/46

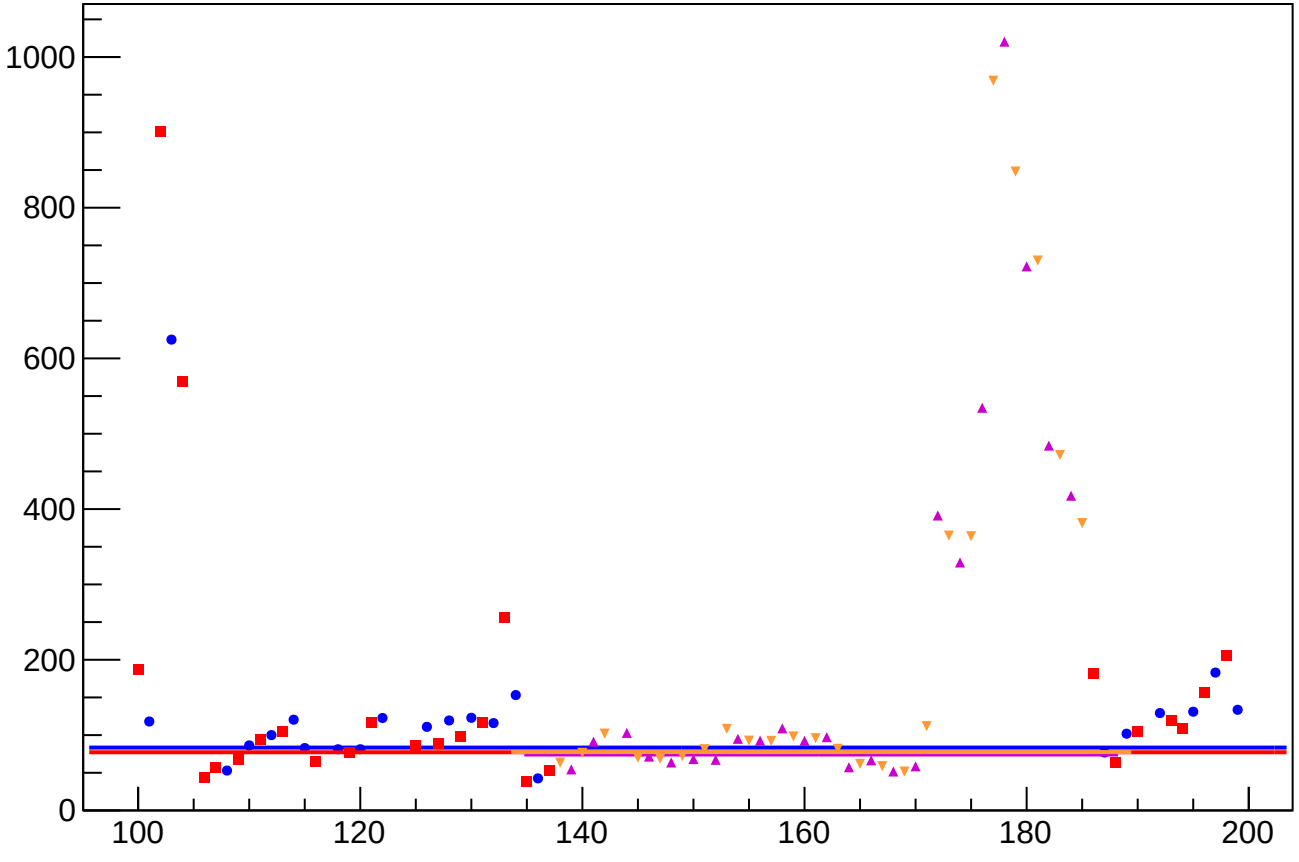
Right: -0.019+/-0.020 χ^2/NDF: 34.5/46

In: 0.010+/-0.017 χ^2/NDF:26.9/44

Out: -0.054+/-0.017 χ^2/NDF:44.2/48

All: -0.022+/-0.012 χ^2/NDF: 78.3/93

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 83.447+/-0.020 χ^2/NDF: 4193230.8/21

Left Out: 77.533+/-0.016 χ^2/NDF:8331106.7/23

Right Out: 77.239+/-0.019 χ^2/NDF: 5155919.3/24

Left In: 74.217+/-0.015 χ^2/NDF:8513791.3/22

Left: 75.800+/-0.011 χ^2/NDF: 16868415.3/46

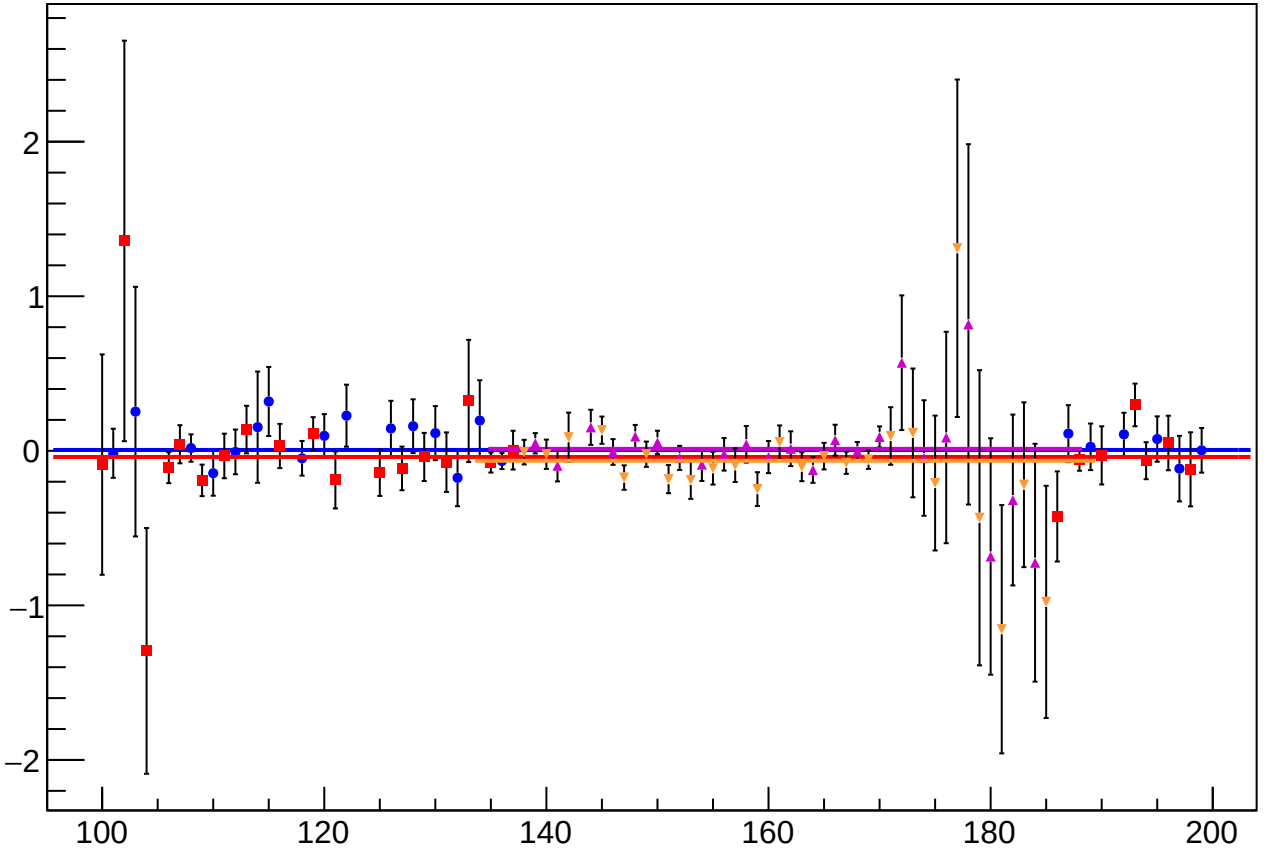
Right: 80.102+/-0.014 χ^2/NDF: 9399157.5/46

In: 77.443+/-0.012 χ^2/NDF:12840460.6/44

Out: 77.413+/-0.012 χ^2/NDF:13487170.0/48

All: 77.428+/-0.009 χ^2/NDF: 26327633.7/93

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.005+/-0.029 χ^2/NDF: 11.8/21

Left Out: -0.064+/-0.022 χ^2/NDF:22.3/23

Right Out: -0.040+/-0.027 χ^2/NDF: 21.3/24

Left In: 0.013+/-0.021 χ^2/NDF:15.0/22

Left: -0.024+/-0.015 χ^2/NDF: 43.7/46

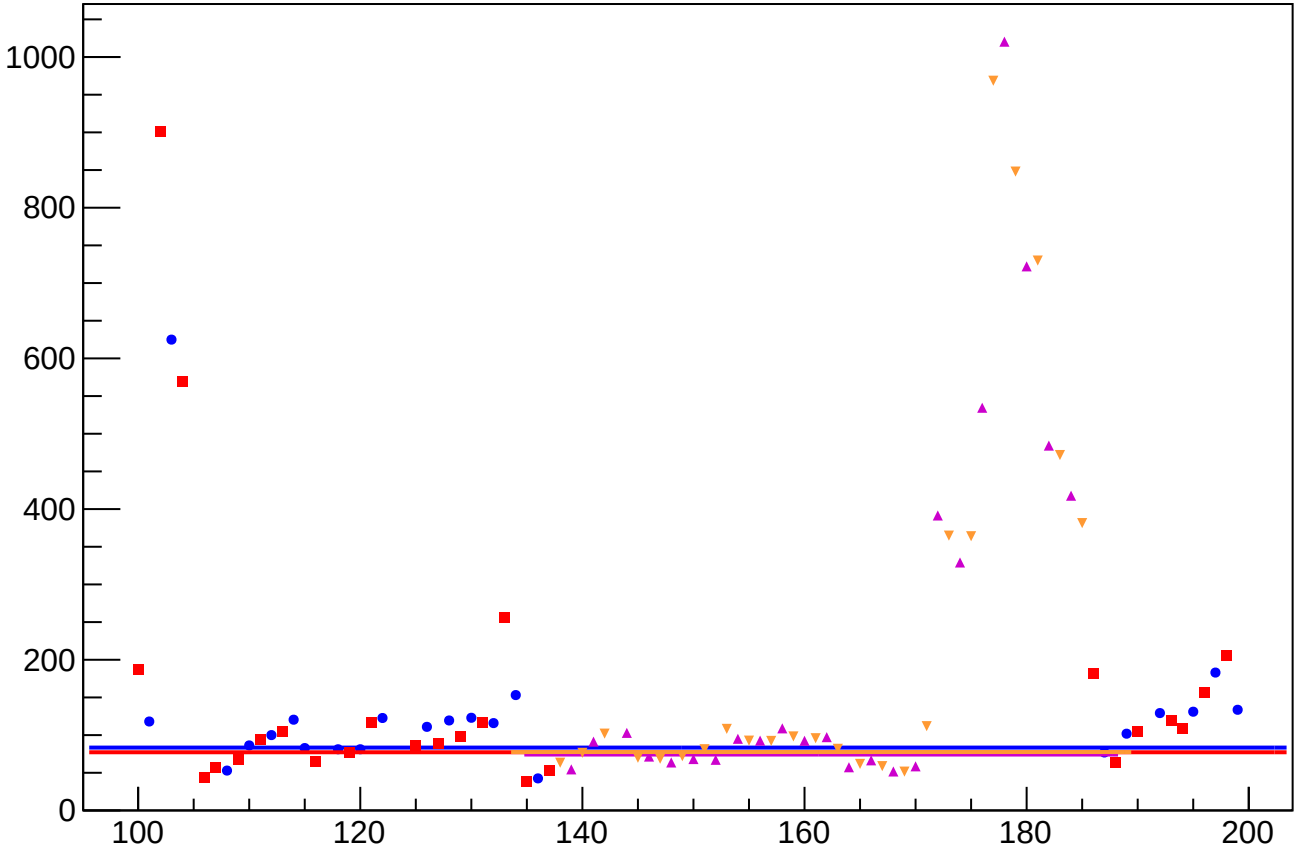
Right: -0.019+/-0.020 χ^2/NDF: 34.5/46

In: 0.010+/-0.017 χ^2/NDF:26.9/44

Out: -0.054+/-0.017 χ^2/NDF:44.2/48

All: -0.022+/-0.012 χ^2/NDF: 78.3/93

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 83.447+/-0.020 χ^2/NDF: 4193230.8/21

Left Out: 77.533+/-0.016 χ^2/NDF:8331106.7/23

Right Out: 77.239+/-0.019 χ^2/NDF: 5155919.3/24

Left In: 74.217+/-0.015 χ^2/NDF:8513791.3/22

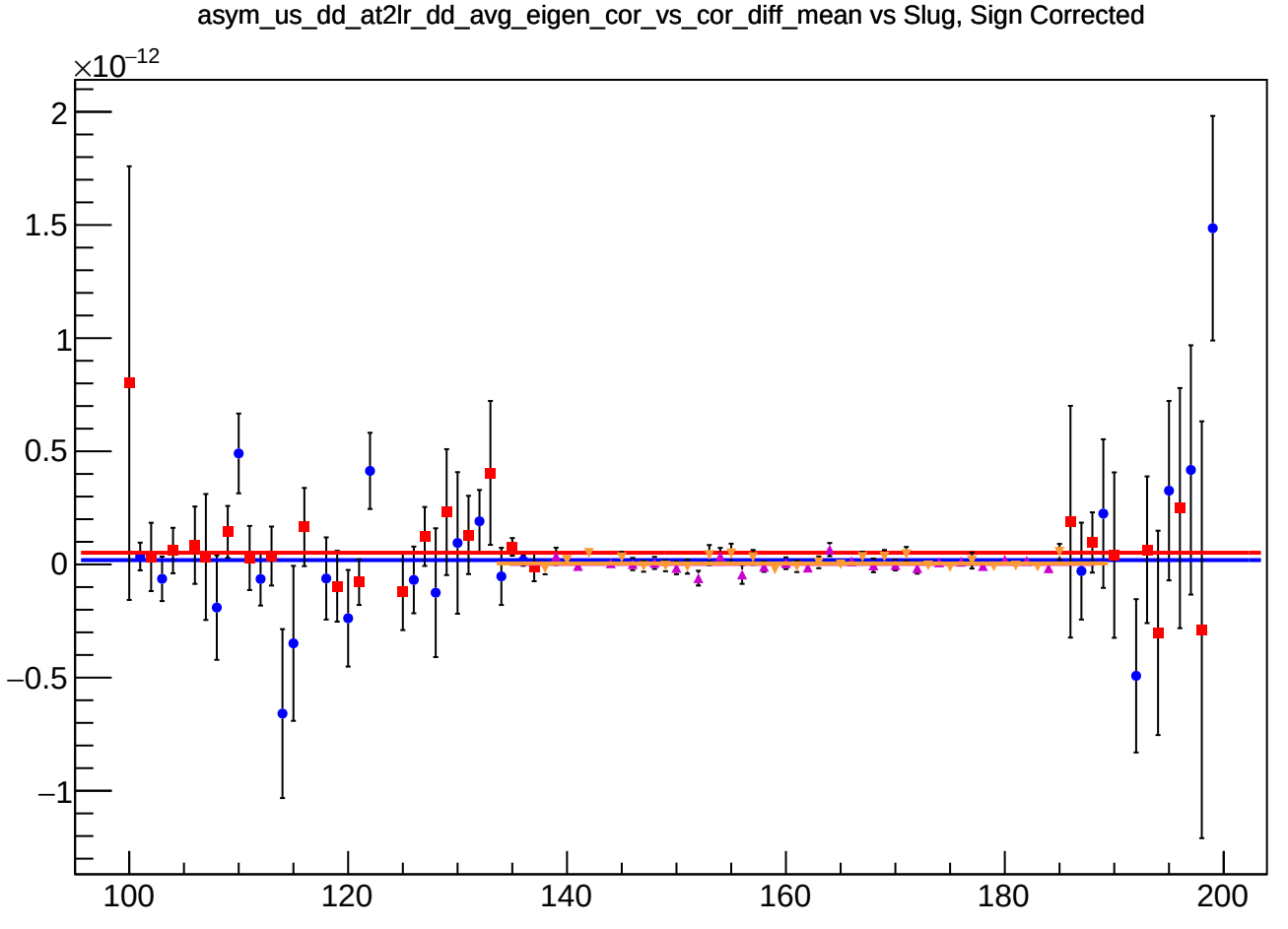
Left: 75.800+/-0.011 χ^2/NDF: 16868415.3/46

Right: 80.102+/-0.014 χ^2/NDF: 9399157.5/46

In: 77.443+/-0.012 χ^2/NDF:12840460.6/44

Out: 77.413+/-0.012 χ^2/NDF:13487170.0/48

All: 77.428+/-0.009 χ^2/NDF: 26327633.7/93



Right In: 0.000+/-0.000 χ^2/NDF: 36.0/21

Left Out: 0.000+/-0.000 χ^2/NDF:21.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 10.1/24

Left In: 0.000+/-0.000 χ^2/NDF:17.5/22

Left: 0.000+/-0.000 χ^2/NDF: 39.3/46

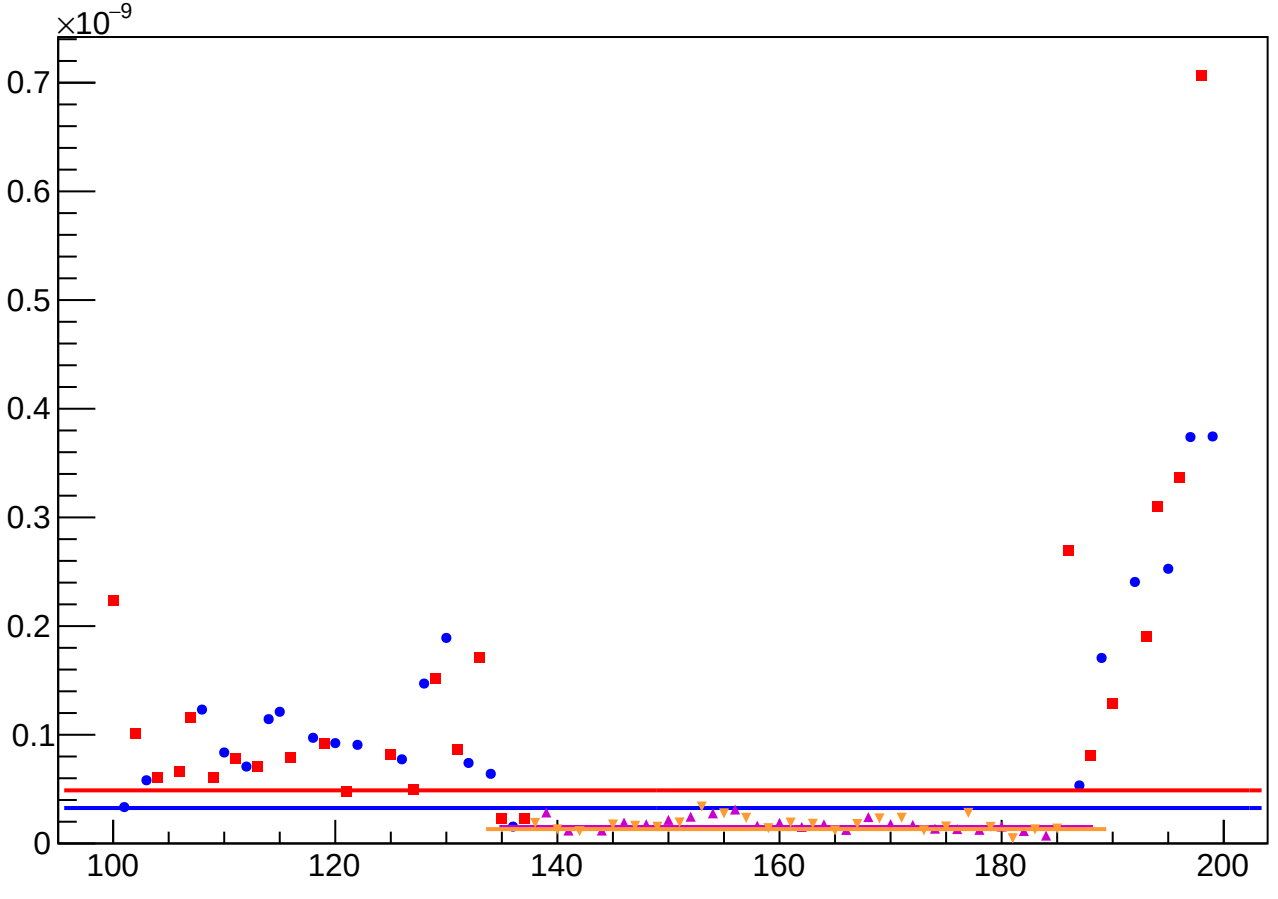
Right: 0.000+/-0.000 χ^2/NDF: 47.2/46

In: 0.000+/-0.000 χ^2/NDF:54.2/44

Out: 0.000+/-0.000 χ^2/NDF:35.5/48

All: 0.000+/-0.000 χ^2/NDF: 89.9/93

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: 7582112.3/21

Left Out: 0.000+/-0.000 χ^2/NDF:4237321.5/23

Right Out: 0.000+/-0.000 χ^2/NDF: 6092265.8/24

Left In: 0.000+/-0.000 χ^2/NDF:2148796.4/22

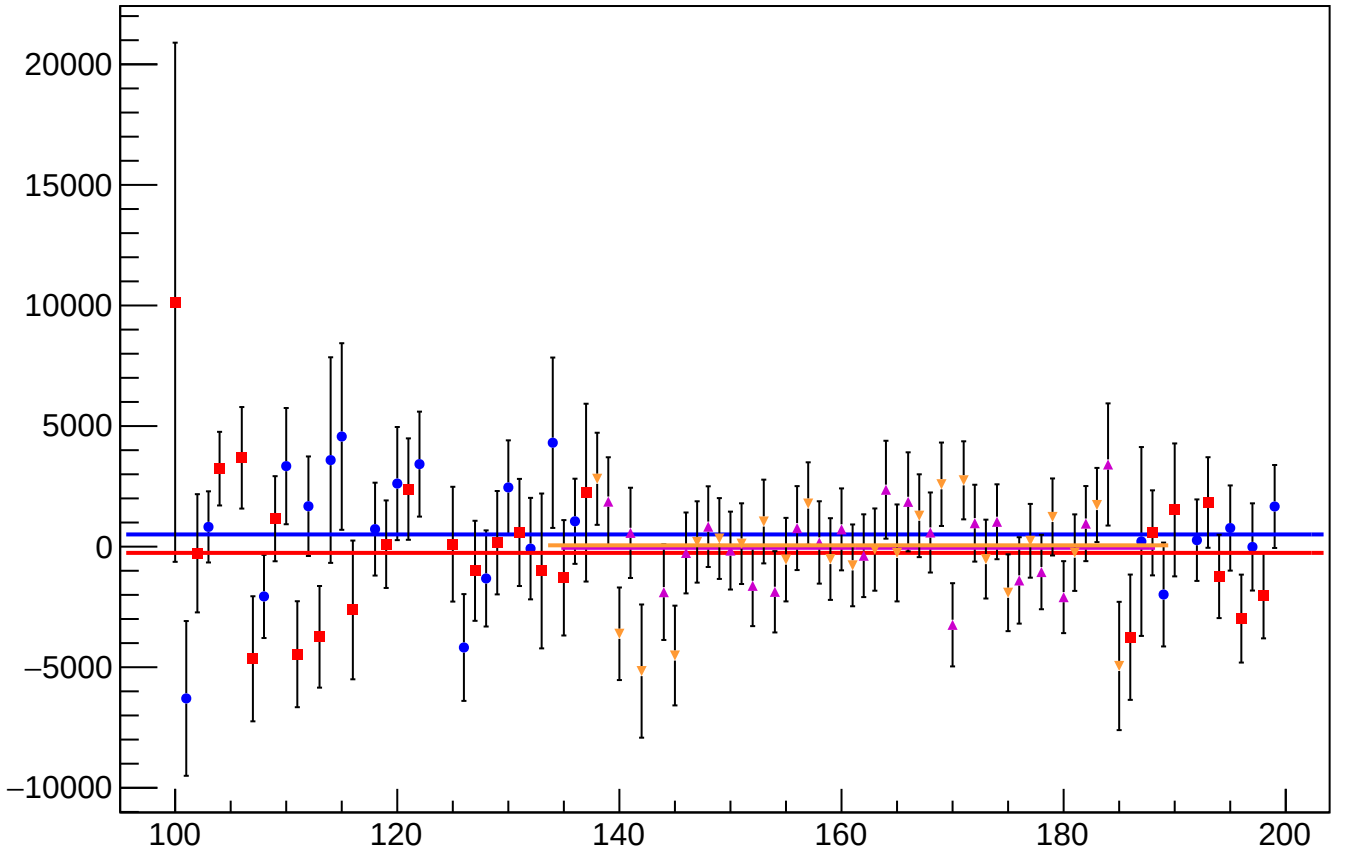
Left: 0.000+/-0.000 χ^2/NDF: 6568948.9/46

Right: 0.000+/-0.000 χ^2/NDF: 14229671.9/46

In: 0.000+/-0.000 χ^2/NDF:11301956.9/44

Out: 0.000+/-0.000 χ^2/NDF:14543980.1/48

All: 0.000+/-0.000 χ^2/NDF: 26010439.0/93



Right In: 506.356+/-446.141 χ^2/NDF: 22.3/21

Left Out: 54.770+/-356.375 χ^2/NDF:28.5/23

Right Out: -258.862+/-430.528 χ^2/NDF: 30.1/24

Left In: -48.177+/-359.531 χ^2/NDF:16.8/22

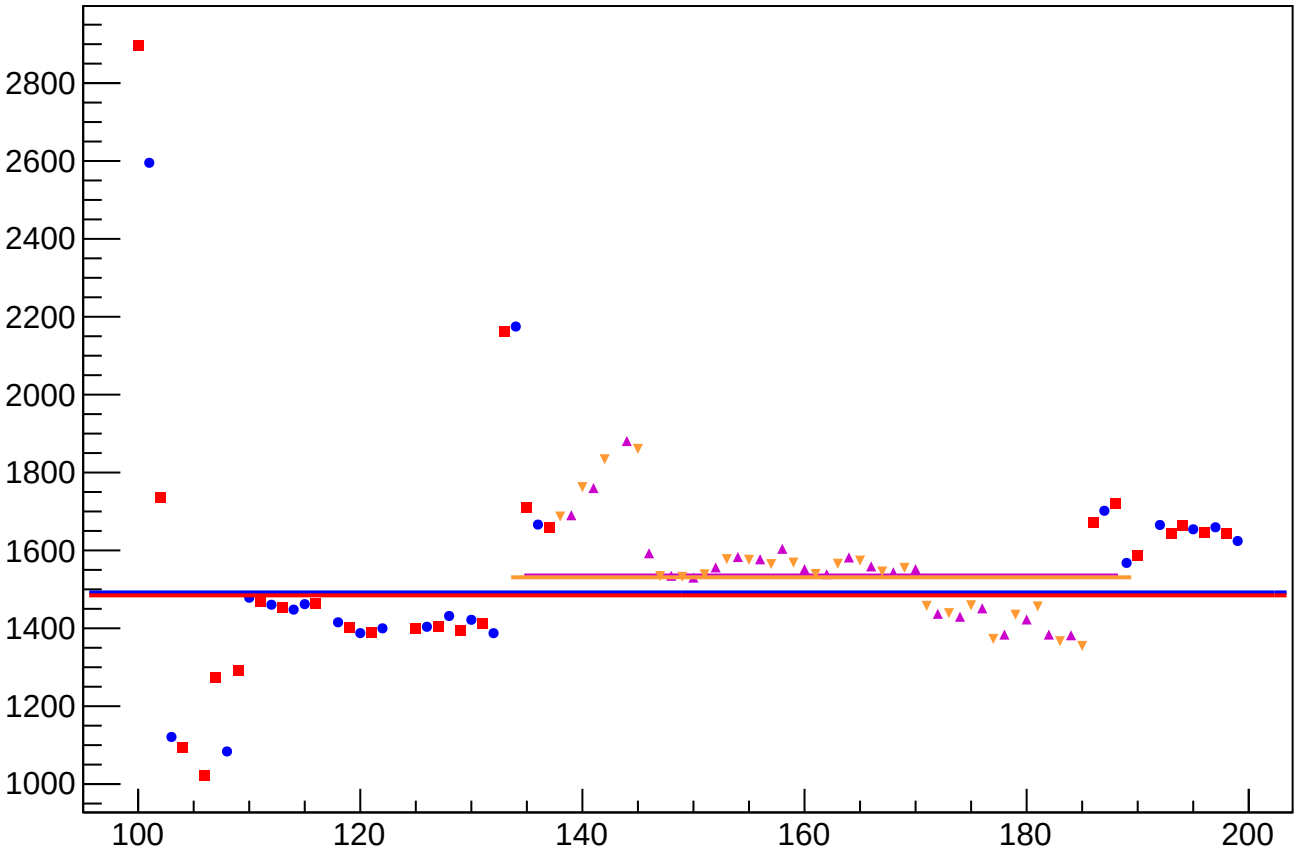
Left: 3.751+/-253.103 χ^2/NDF: 45.3/46

Right: 110.122+/-309.802 χ^2/NDF: 53.9/46

In: 170.157+/-279.943 χ^2/NDF:40.0/44

Out: -72.751+/-274.525 χ^2/NDF:58.9/48

All: 46.330+/-196.006 χ^2/NDF: 99.3/93



Right In: 1492.086+/-0.315 χ^2/NDF: 668492.7/21

Left Out: 1530.976+/-0.252 χ^2/NDF:203539.8/23

Right Out: 1484.573+/-0.304 χ^2/NDF: 568641.9/24

Left In: 1535.551+/-0.254 χ^2/NDF:192432.7/22

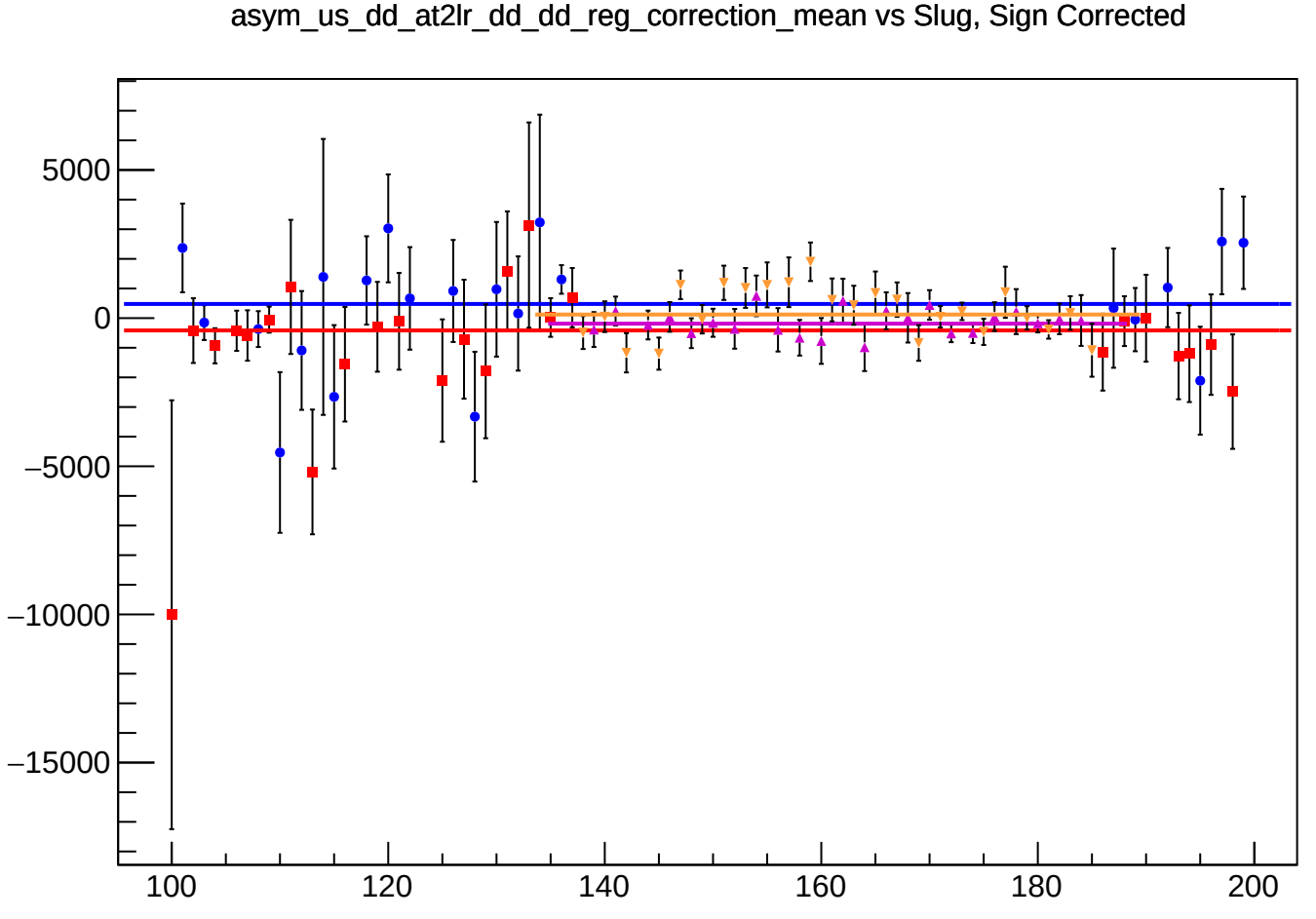
Left: 1533.243+/-0.179 χ^2/NDF: 396135.8/46

Right: 1488.195+/-0.219 χ^2/NDF: 1237428.3/46

In: 1518.437+/-0.198 χ^2/NDF:872434.4/44

Out: 1512.108+/-0.194 χ^2/NDF:785968.9/48

All: 1515.211+/-0.139 χ^2/NDF: 1658924.4/93



Right In: 478.132+/-251.198 χ^2/NDF: 25.0/21

Left Out: 121.327+/-105.060 χ^2/NDF:43.6/23

Right Out: -415.332+/-212.057 χ^2/NDF: 16.3/24

Left In: -186.828+/-106.975 χ^2/NDF:11.6/22

Left: -29.966+/-74.957 χ^2/NDF: 59.5/46

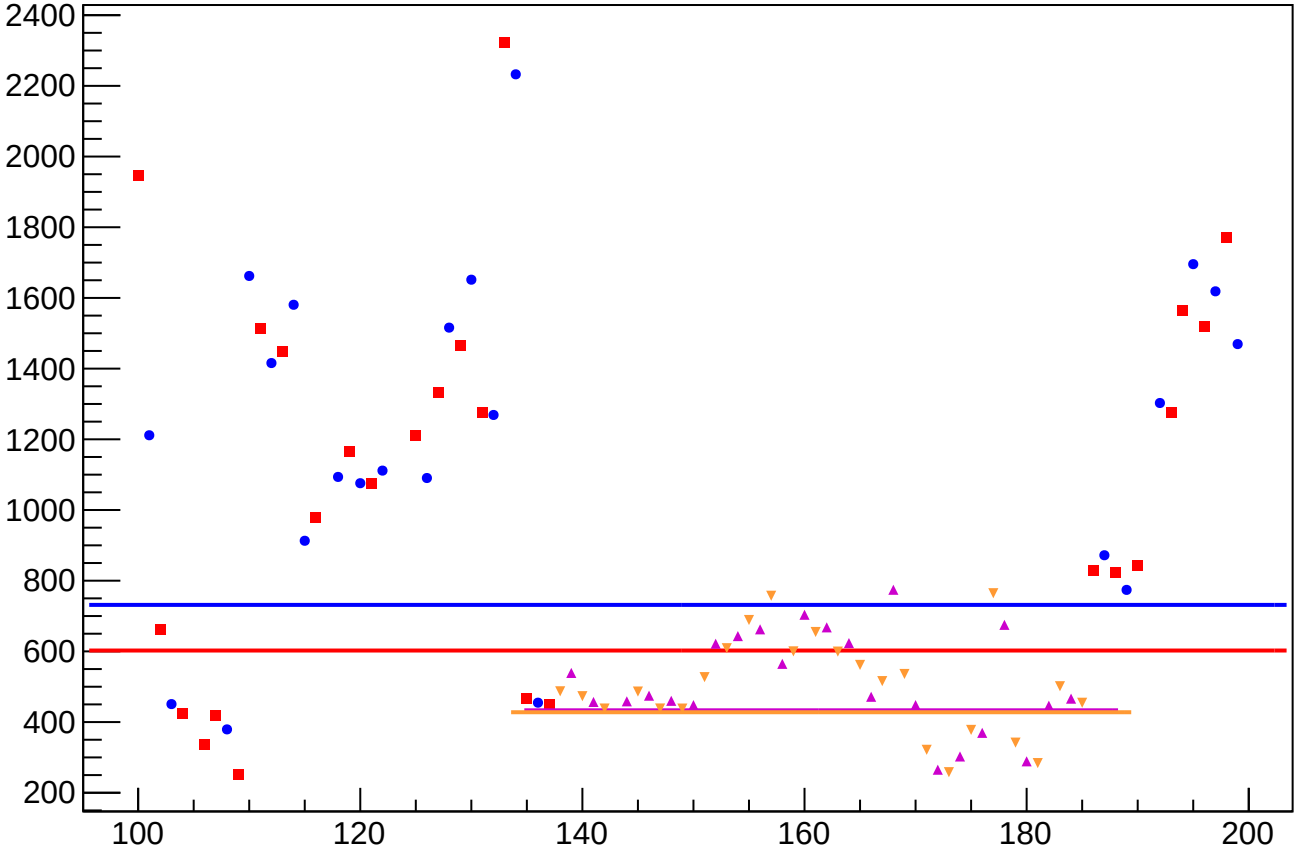
Right: -43.554+/-162.039 χ^2/NDF: 48.7/46

In: -84.745+/-98.422 χ^2/NDF:42.5/44

Out: 15.563+/-94.140 χ^2/NDF:65.1/48

All: -32.361+/-68.030 χ^2/NDF: 108.2/93

asym_us_dd_at2lr_dd_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 731.525+/-0.178 χ^2/NDF: 5880710.7/21

Left Out: 427.814+/-0.074 χ^2/NDF:3188159.5/23

Right Out: 602.427+/-0.150 χ^2/NDF: 7383216.6/24

Left In: 433.283+/-0.076 χ^2/NDF:3247998.9/22

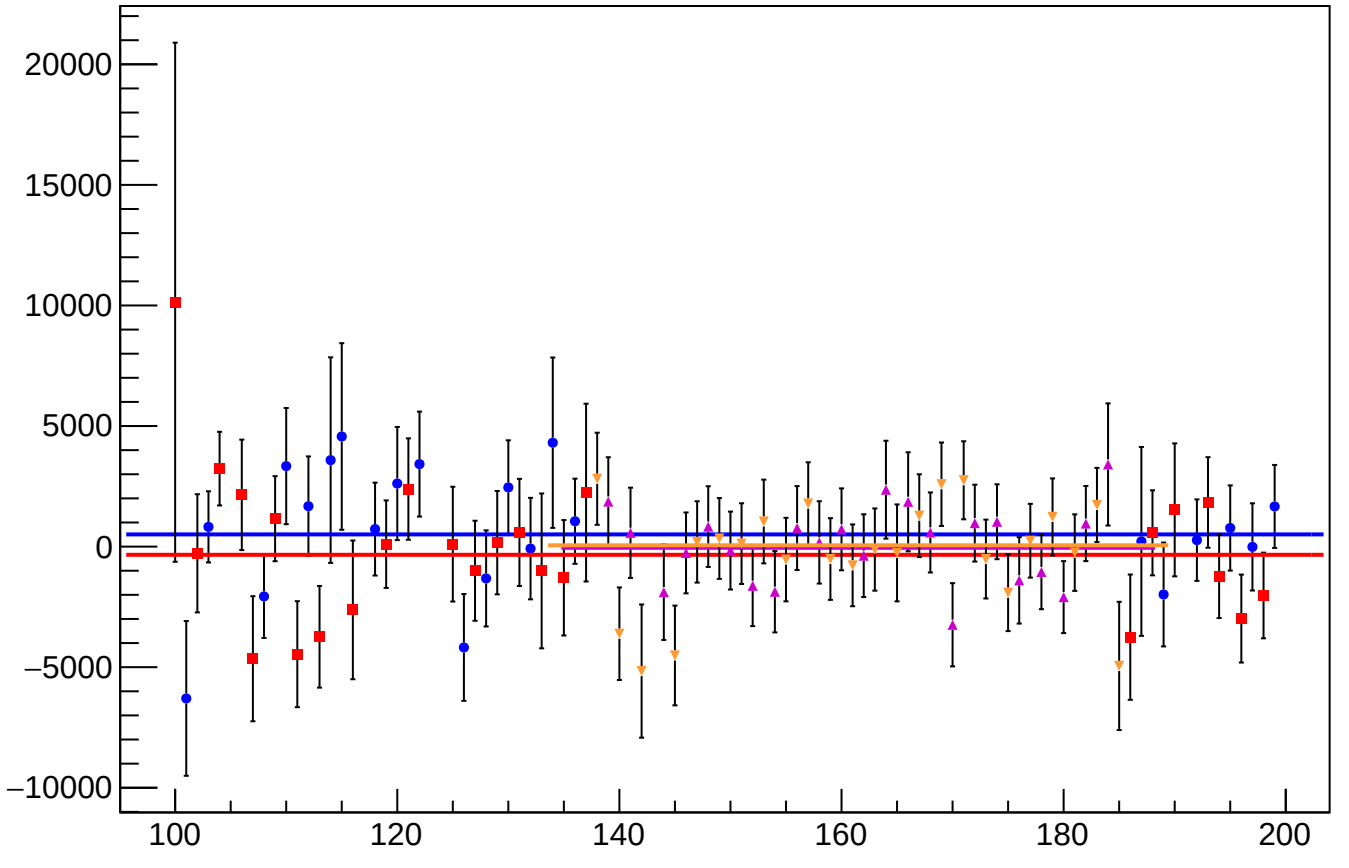
Left: 430.499+/-0.053 χ^2/NDF: 6438819.2/46

Right: 656.146+/-0.115 χ^2/NDF: 13572365.0/46

In: 479.068+/-0.070 χ^2/NDF:11515166.6/44

Out: 462.227+/-0.067 χ^2/NDF:11660181.3/48

All: 470.273+/-0.048 χ^2/NDF: 23205929.6/93



Right In: 506.334+/-446.141 χ^2/NDF: 22.3/21

Left Out: 54.734+/-356.375 χ^2/NDF:28.5/23

Right Out: -339.417+/-431.927 χ^2/NDF: 27.7/24

Left In: -48.256+/-359.531 χ^2/NDF:16.8/22

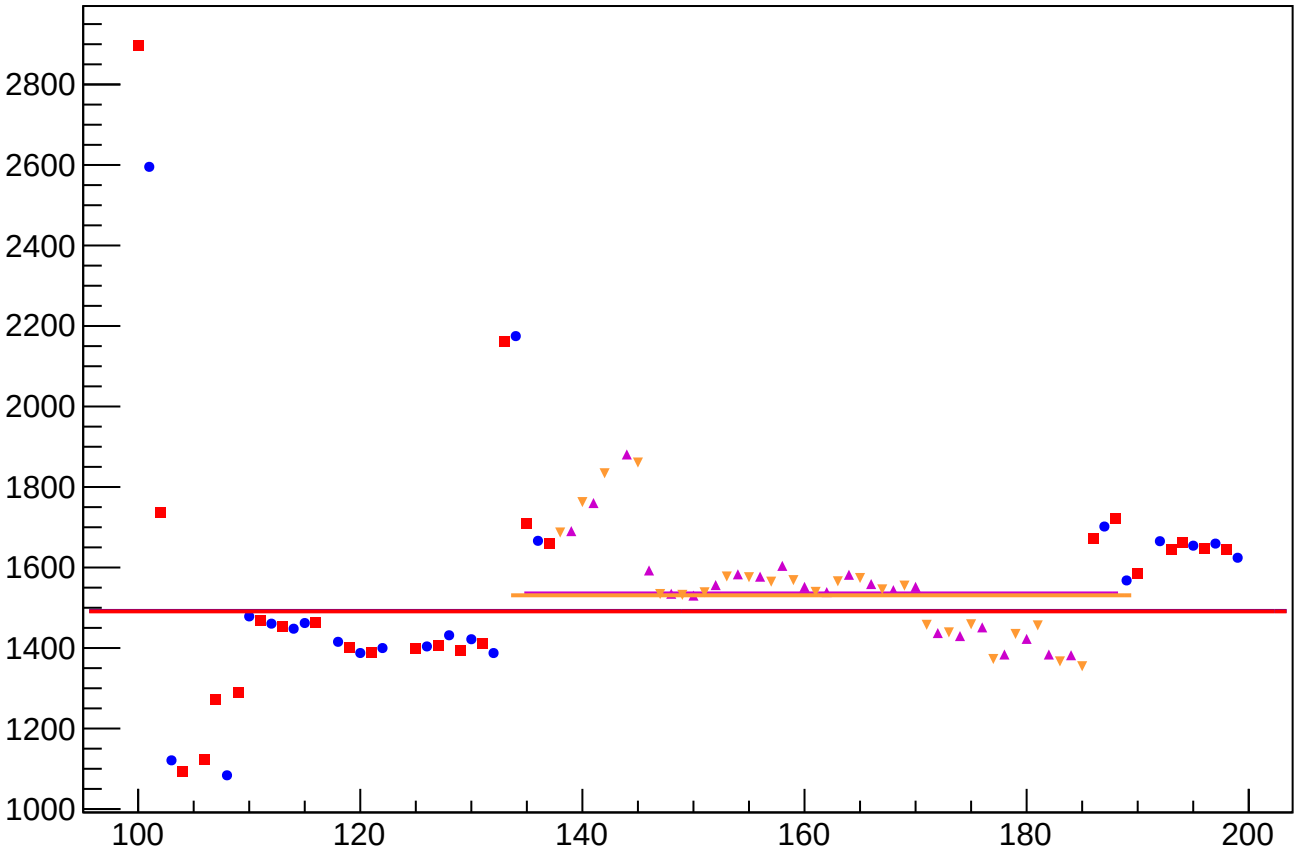
Left: 3.693+/-253.103 χ^2/NDF: 45.3/46

Right: 69.771+/-310.322 χ^2/NDF: 51.8/46

In: 170.101+/-279.943 χ^2/NDF:40.0/44

Out: -104.909+/-274.887 χ^2/NDF:56.7/48

All: 30.090+/-196.138 χ^2/NDF: 97.1/93



Right In: 1492.085+/-0.315 χ^2/NDF: 668493.0/21

Left Out: 1530.976+/-0.252 χ^2/NDF:203539.7/23

Right Out: 1491.108+/-0.305 χ^2/NDF: 522112.3/24

Left In: 1535.551+/-0.254 χ^2/NDF:192432.7/22

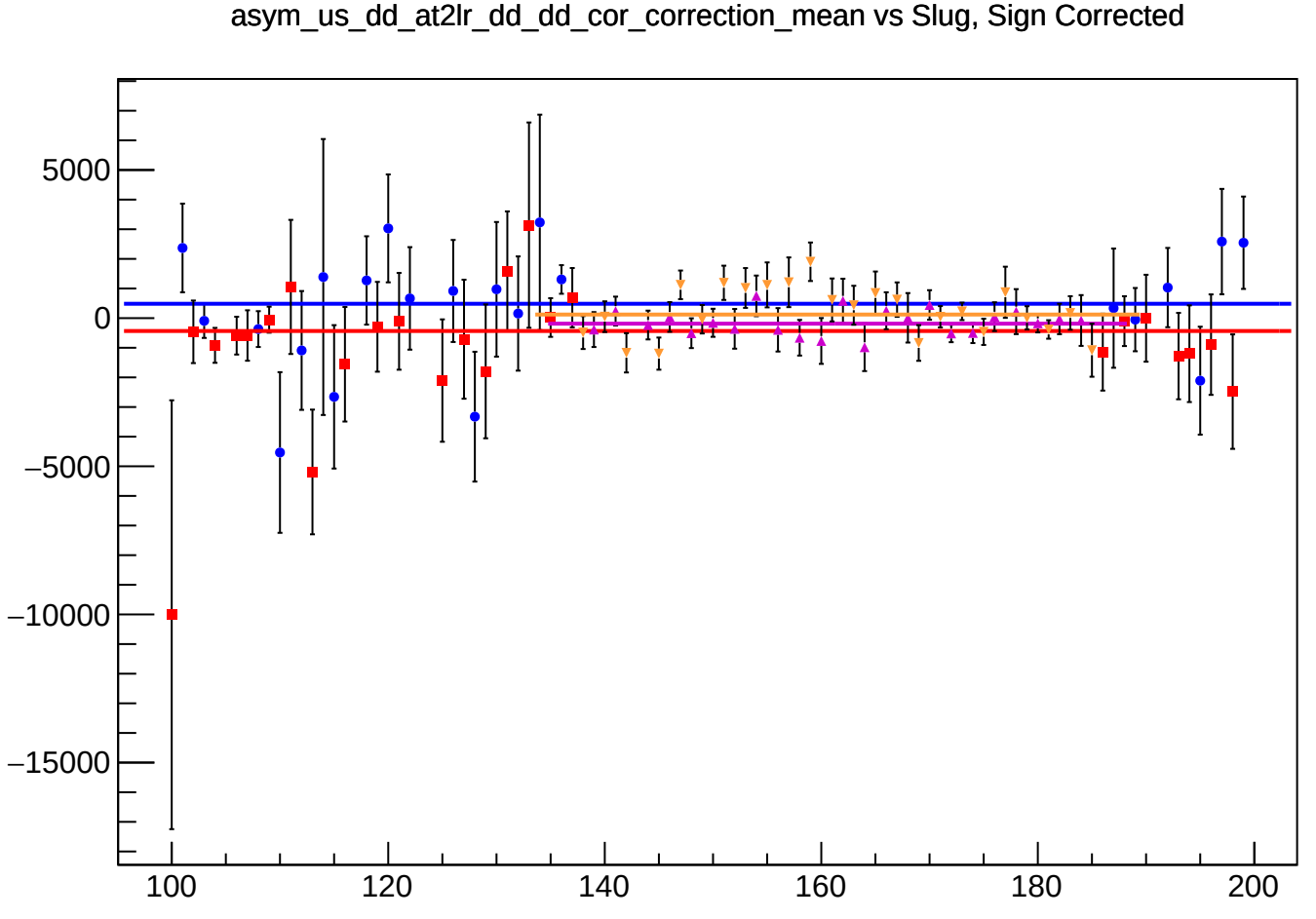
Left: 1533.243+/-0.179 χ^2/NDF: 396135.7/46

Right: 1491.581+/-0.219 χ^2/NDF: 1190610.2/46

In: 1518.437+/-0.198 χ^2/NDF:872434.8/44

Out: 1514.828+/-0.194 χ^2/NDF:735790.2/48

All: 1516.600+/-0.139 χ^2/NDF: 1608394.2/93



Right In: 484.998+/-250.307 χ^2/NDF: 24.8/21

Left Out: 121.325+/-105.060 χ^2/NDF:43.7/23

Right Out: -434.000+/-210.266 χ^2/NDF: 16.4/24

Left In: -187.037+/-106.975 χ^2/NDF:11.6/22

Left: -30.071+/-74.957 χ^2/NDF: 59.5/46

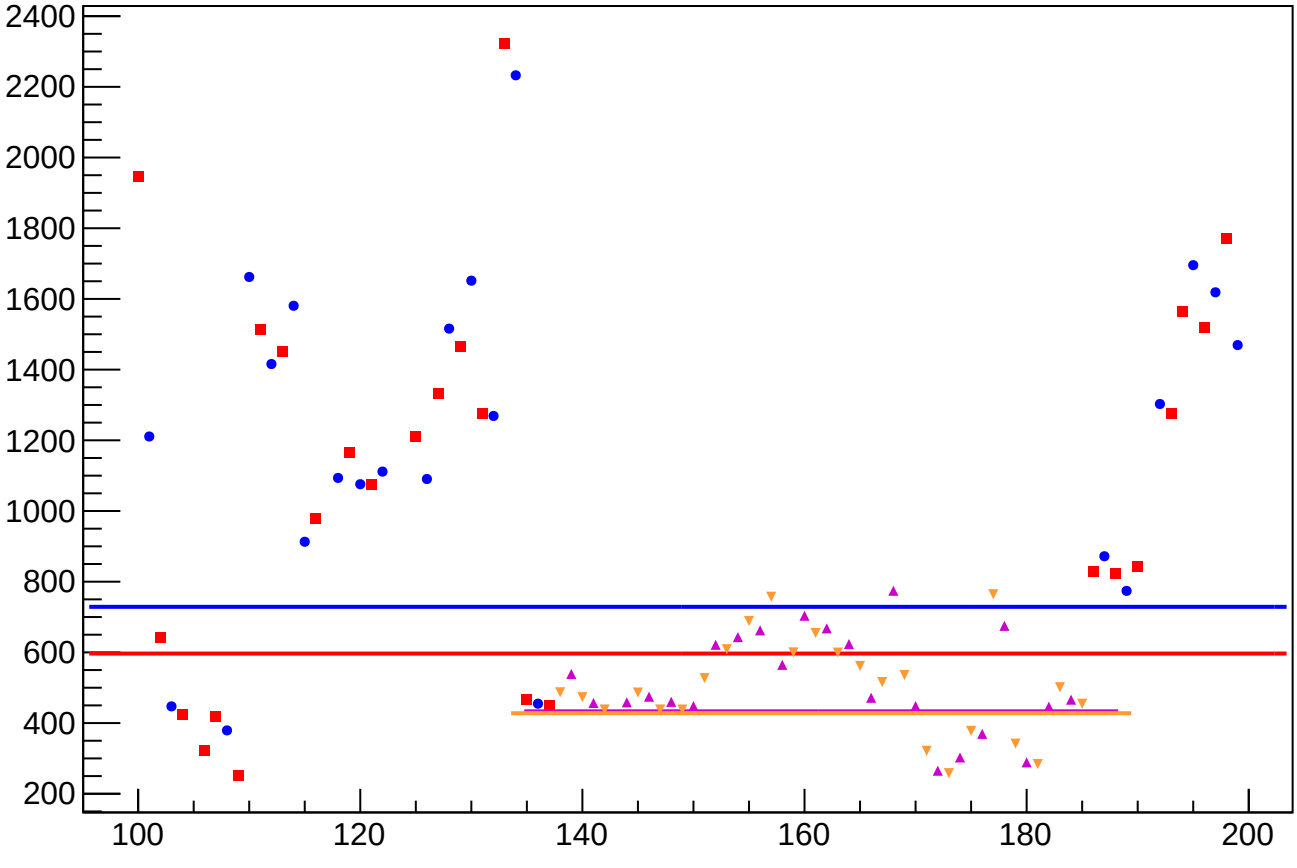
Right: -53.795+/-160.999 χ^2/NDF: 49.1/46

In: -83.246+/-98.368 χ^2/NDF:42.5/44

Out: 10.384+/-93.982 χ^2/NDF:65.6/48

All: -34.297+/-67.953 χ^2/NDF: 108.6/93

asym_us_dd_at2lr_dd_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 728.865+/-0.177 χ^2/NDF: 5910058.8/21

Left Out: 427.814+/-0.074 χ^2/NDF:3188396.1/23

Right Out: 596.702+/-0.149 χ^2/NDF: 7455992.7/24

Left In: 433.285+/-0.076 χ^2/NDF:3247871.5/22

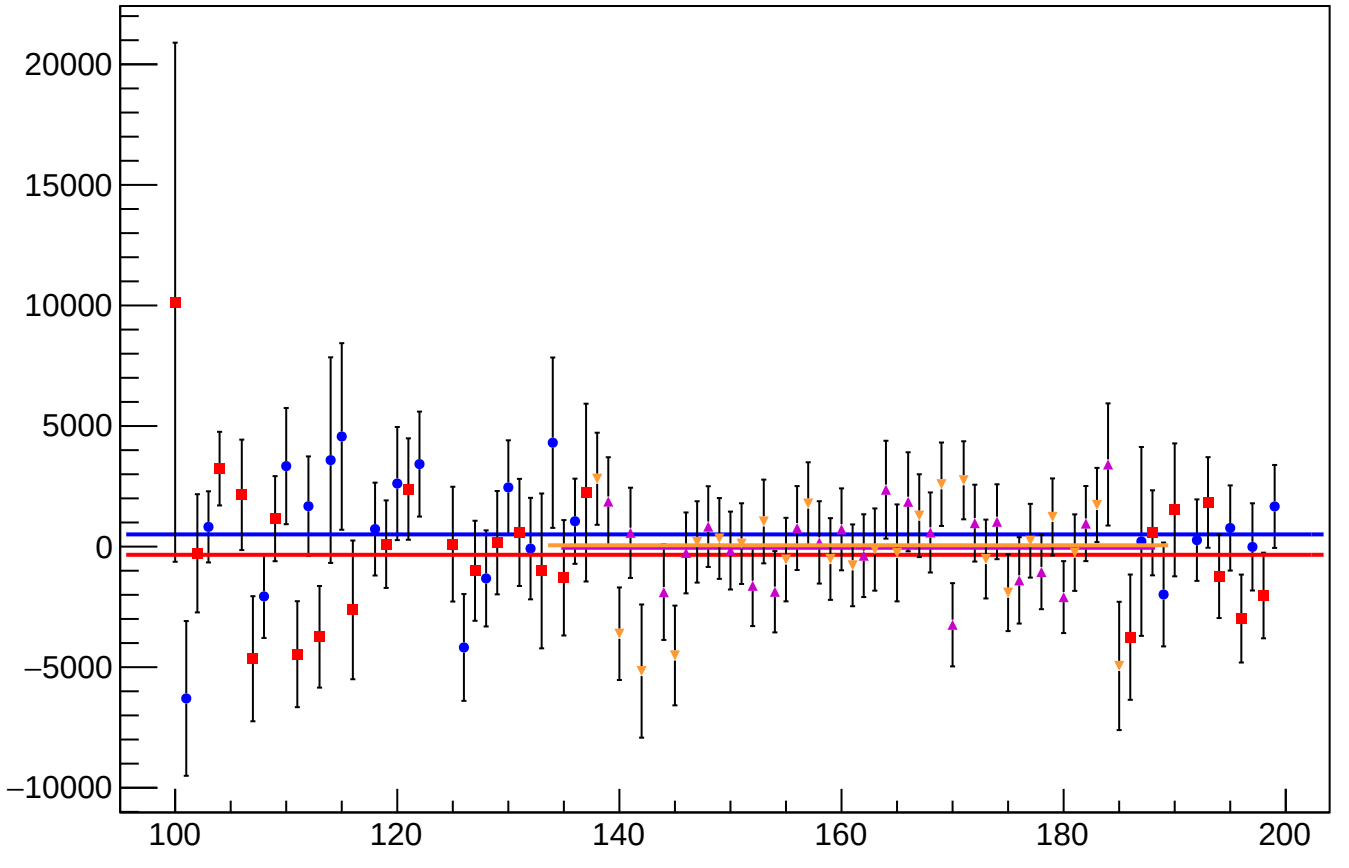
Left: 430.500+/-0.053 χ^2/NDF: 6438930.2/46

Right: 651.380+/-0.114 χ^2/NDF: 13692952.3/46

In: 478.935+/-0.070 χ^2/NDF:11516122.2/44

Out: 461.554+/-0.066 χ^2/NDF:11676903.1/48

All: 469.848+/-0.048 χ^2/NDF: 23225669.0/93



Right In: 506.334+/-446.141 χ^2/NDF: 22.3/21

Left Out: 54.734+/-356.375 χ^2/NDF:28.5/23

Right Out: -339.417+/-431.927 χ^2/NDF: 27.7/24

Left In: -48.256+/-359.531 χ^2/NDF:16.8/22

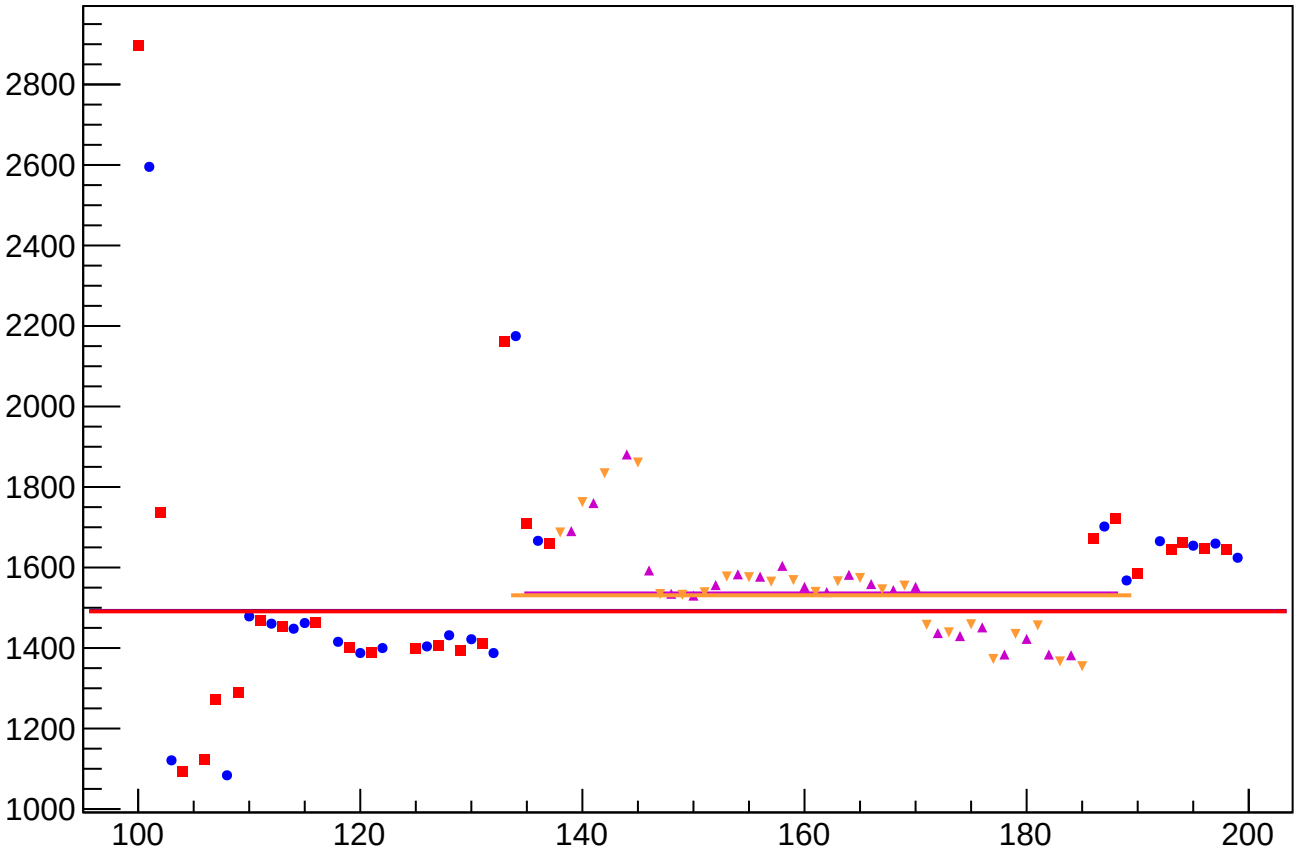
Left: 3.693+/-253.103 χ^2/NDF: 45.3/46

Right: 69.771+/-310.322 χ^2/NDF: 51.8/46

In: 170.101+/-279.943 χ^2/NDF:40.0/44

Out: -104.909+/-274.887 χ^2/NDF:56.7/48

All: 30.090+/-196.138 χ^2/NDF: 97.1/93



Right In: 1492.085+/-0.315 χ^2/NDF: 668493.0/21

Left Out: 1530.976+/-0.252 χ^2/NDF:203539.7/23

Right Out: 1491.108+/-0.305 χ^2/NDF: 522112.3/24

Left In: 1535.551+/-0.254 χ^2/NDF:192432.7/22

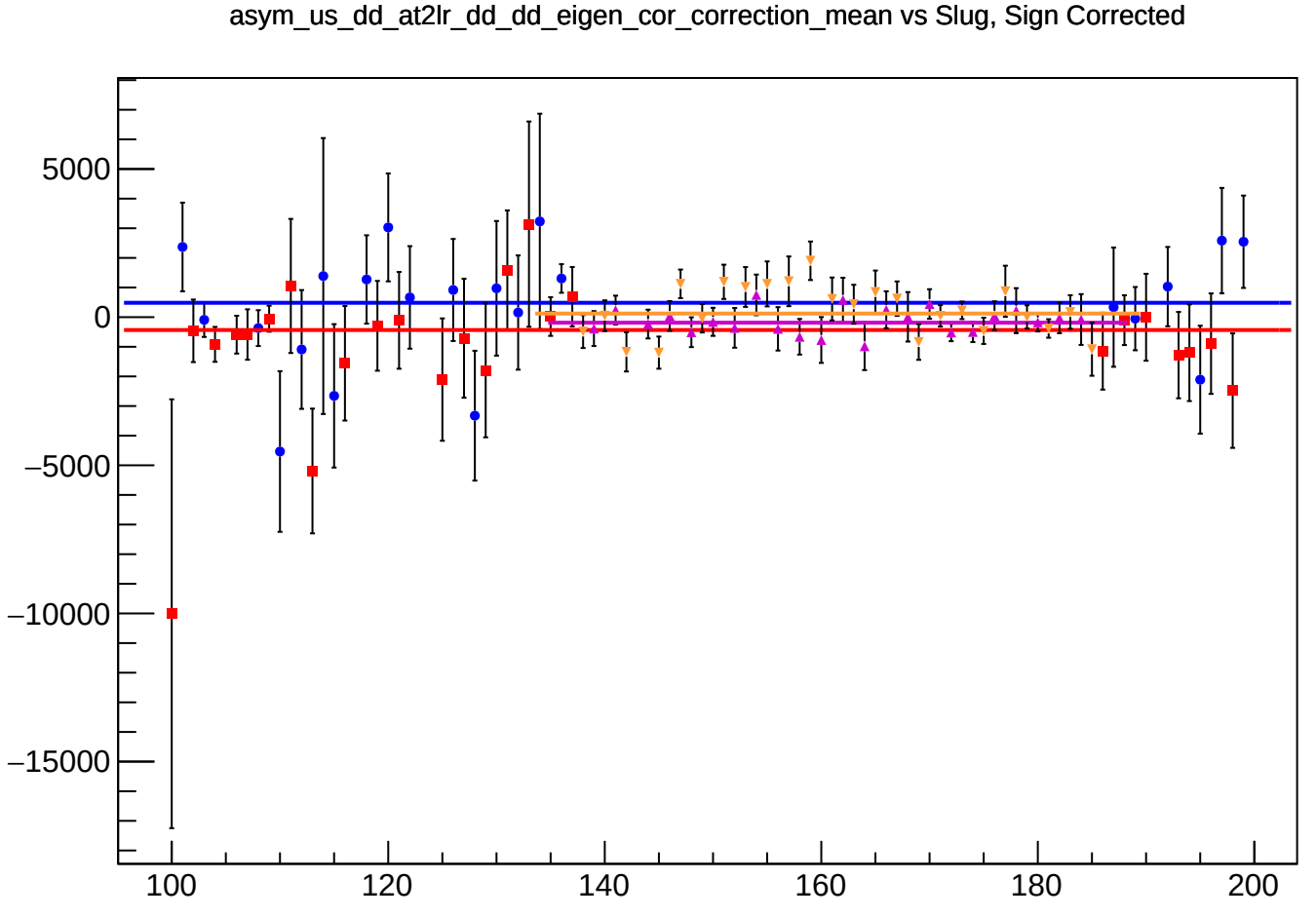
Left: 1533.243+/-0.179 χ^2/NDF: 396135.7/46

Right: 1491.581+/-0.219 χ^2/NDF: 1190610.2/46

In: 1518.437+/-0.198 χ^2/NDF:872434.8/44

Out: 1514.828+/-0.194 χ^2/NDF:735790.2/48

All: 1516.600+/-0.139 χ^2/NDF: 1608394.2/93



Right In: 484.998+/-250.307 χ^2/NDF: 24.8/21

Left Out: 121.325+/-105.060 χ^2/NDF:43.7/23

Right Out: -434.000+/-210.266 χ^2/NDF: 16.4/24

Left In: -187.037+/-106.975 χ^2/NDF:11.6/22

Left: -30.071+/-74.957 χ^2/NDF: 59.5/46

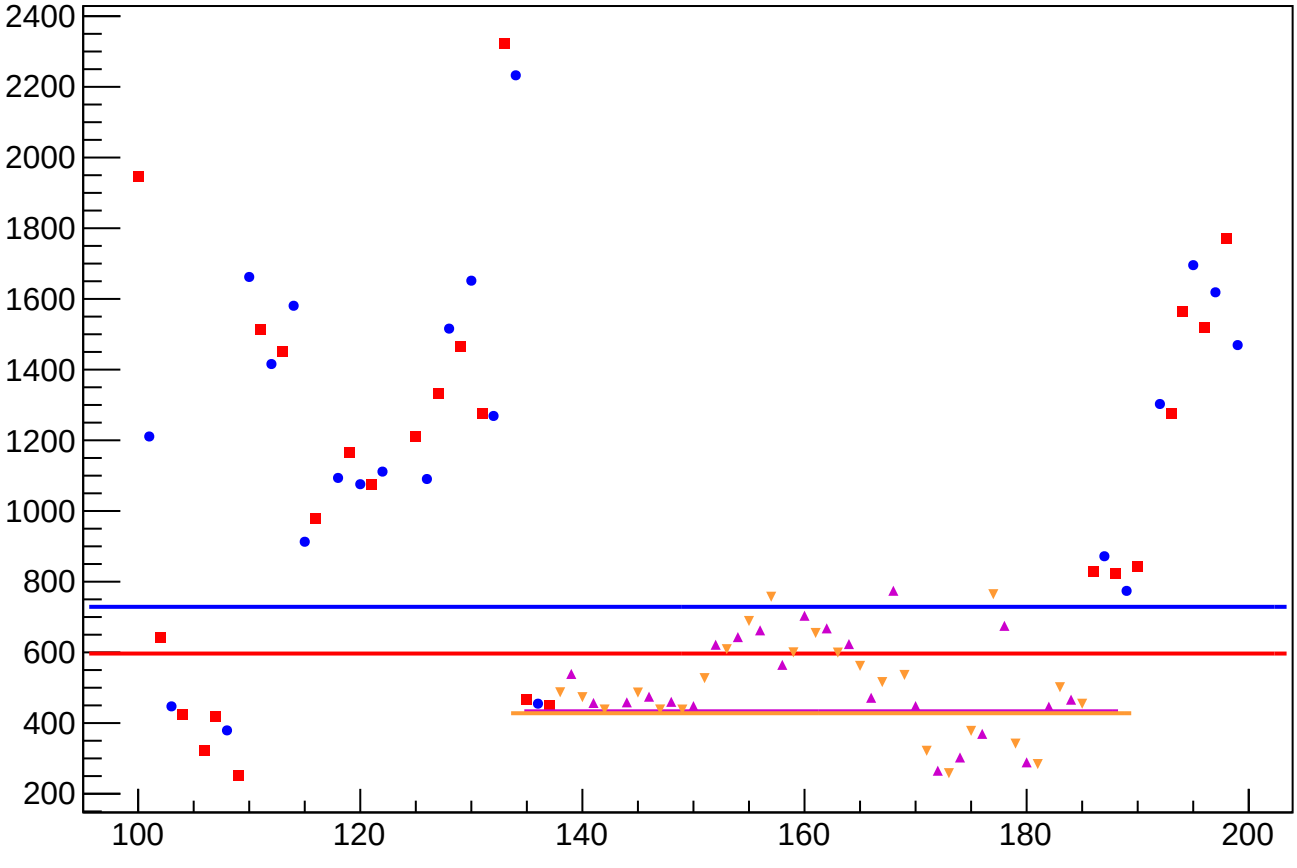
Right: -53.795+/-160.999 χ^2/NDF: 49.1/46

In: -83.246+/-98.368 χ^2/NDF:42.5/44

Out: 10.384+/-93.982 χ^2/NDF:65.6/48

All: -34.297+/-67.953 χ^2/NDF: 108.6/93

asym_us_dd_at2lr_dd_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 728.865+/-0.177 χ^2/NDF: 5910058.8/21

Left Out: 427.814+/-0.074 χ^2/NDF:3188396.1/23

Right Out: 596.702+/-0.149 χ^2/NDF: 7455992.7/24

Left In: 433.285+/-0.076 χ^2/NDF:3247871.5/22

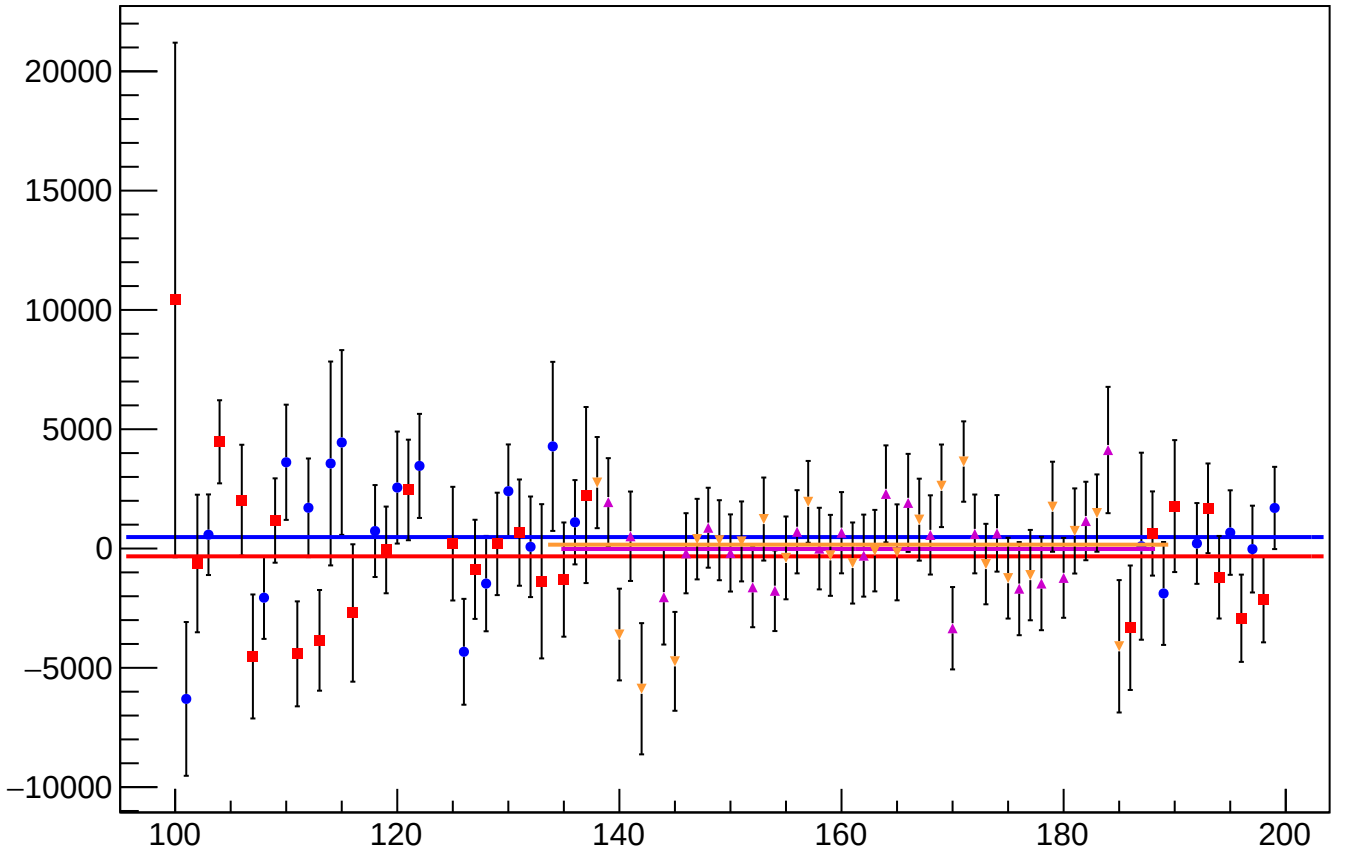
Left: 430.500+/-0.053 χ^2/NDF: 6438930.2/46

Right: 651.380+/-0.114 χ^2/NDF: 13692952.3/46

In: 478.935+/-0.070 χ^2/NDF:11516122.2/44

Out: 461.554+/-0.066 χ^2/NDF:11676903.1/48

All: 469.848+/-0.048 χ^2/NDF: 23225669.0/93



Right In: 479.691+/-451.899 χ^2/NDF: 22.6/21

Left Out: 161.591+/-368.366 χ^2/NDF:29.9/23

Right Out: -327.685+/-438.985 χ^2/NDF: 29.4/24

Left In: -20.252+/-369.781 χ^2/NDF:16.0/22

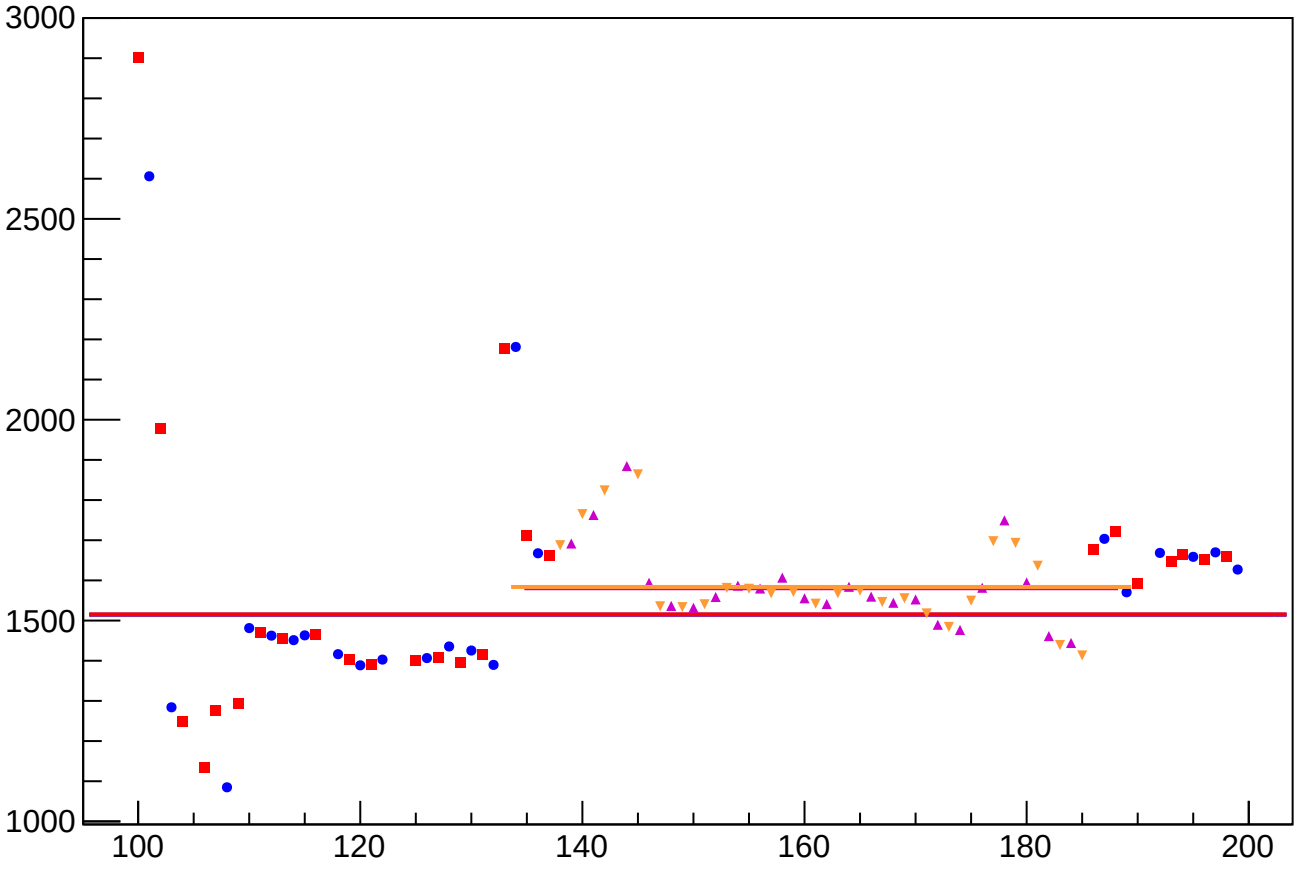
Left: 71.018+/-260.973 χ^2/NDF: 46.0/46

Right: 64.303+/-314.876 χ^2/NDF: 53.7/46

In: 180.250+/-286.180 χ^2/NDF:39.3/44

Out: -40.574+/-282.180 χ^2/NDF:60.1/48

All: 68.284+/-200.931 χ^2/NDF: 99.7/93



Right In: 1514.609+/-0.320 χ^2/NDF: 572930.9/21

Left Out: 1583.673+/-0.260 χ^2/NDF:133583.1/23

Right Out: 1515.386+/-0.310 χ^2/NDF: 458072.9/24

Left In: 1580.464+/-0.261 χ^2/NDF:125745.6/22

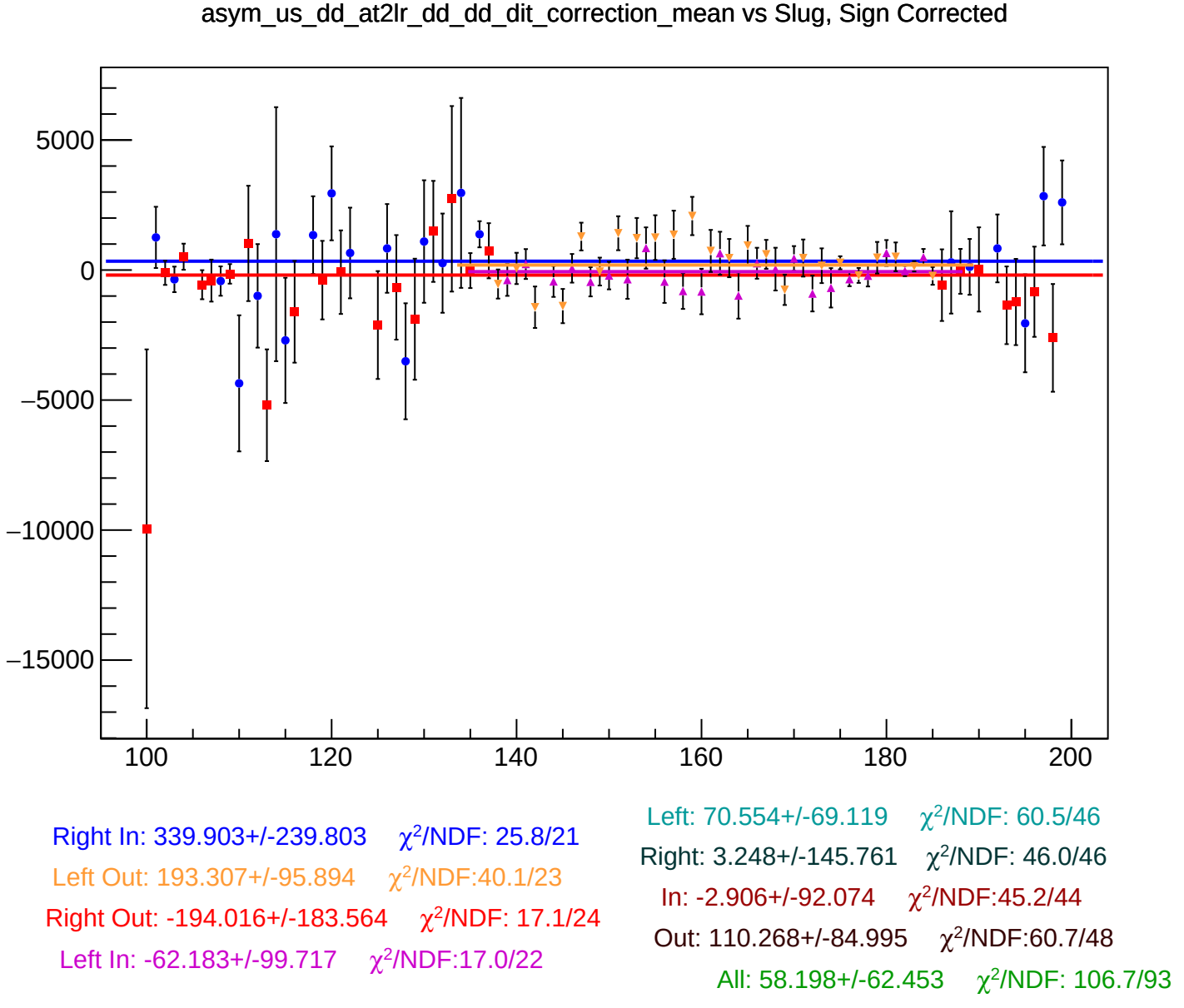
Left: 1582.075+/-0.185 χ^2/NDF: 259404.3/46

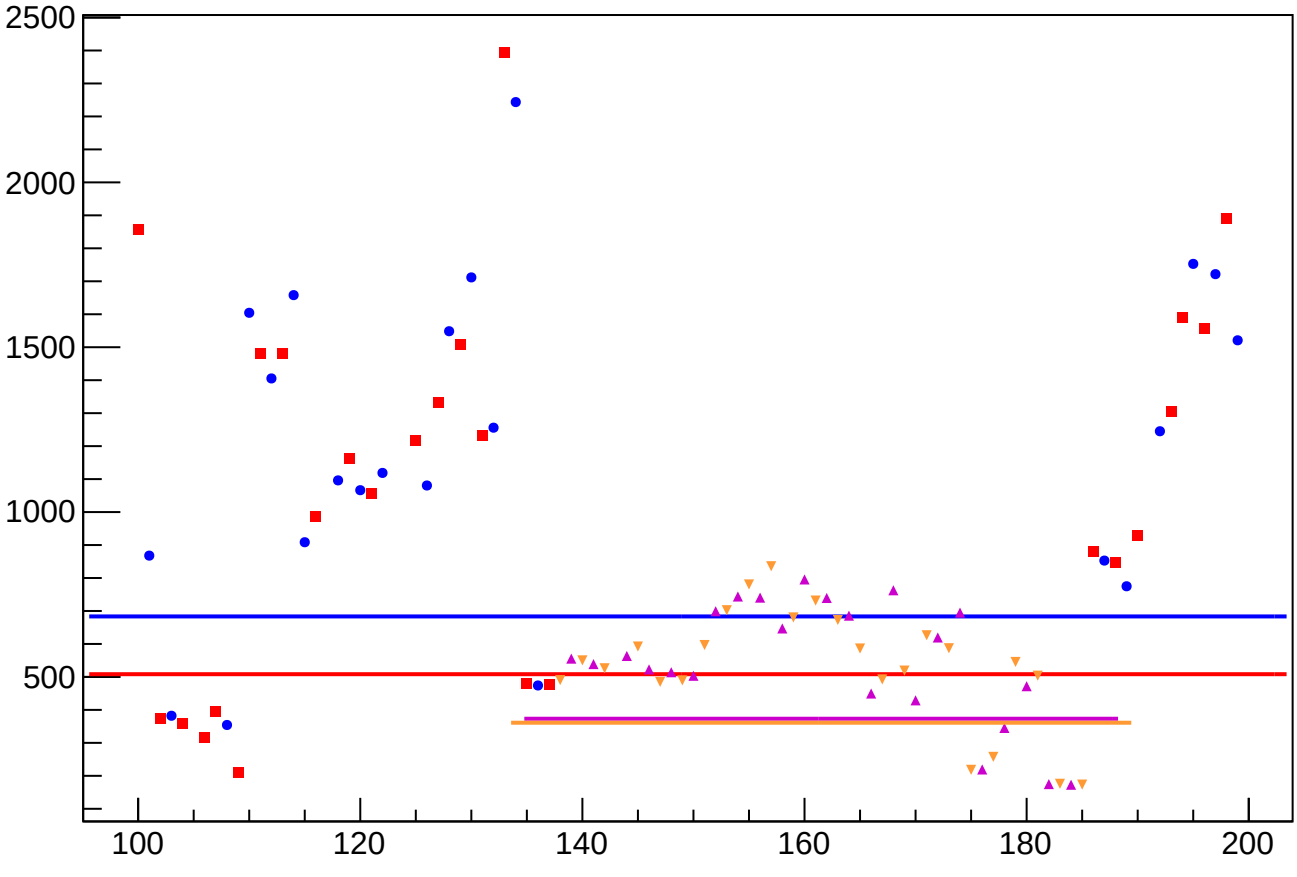
Right: 1515.009+/-0.223 χ^2/NDF: 1031006.9/46

In: 1554.053+/-0.202 χ^2/NDF:724116.9/44

Out: 1555.457+/-0.200 χ^2/NDF:620055.2/48

All: 1554.765+/-0.142 χ^2/NDF: 1344196.5/93


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: 339.903+/-239.803 χ²/NDF: 25.8/21
Left Out: 193.307+/-95.894 χ²/NDF:40.1/23
Right Out: -194.016+/-183.564 χ²/NDF: 17.1/24
Left In: -62.183+/-99.717 χ²/NDF:17.0/22
Left: 70.554+/-69.119 χ²/NDF: 60.5/46
Right: 3.248+/-145.761 χ²/NDF: 46.0/46
In: -2.906+/-92.074 χ²/NDF:45.2/44
Out: 110.268+/-84.995 χ²/NDF:60.7/48
All: 58.198+/-62.453 χ²/NDF: 106.7/93



Right In: 683.462+/-0.170 χ^2/NDF: 6324034.0/21

Left Out: 361.100+/-0.068 χ^2/NDF:8183123.9/23

Right Out: 508.265+/-0.130 χ^2/NDF: 8867942.7/24

Left In: 373.140+/-0.071 χ^2/NDF:8207354.5/22

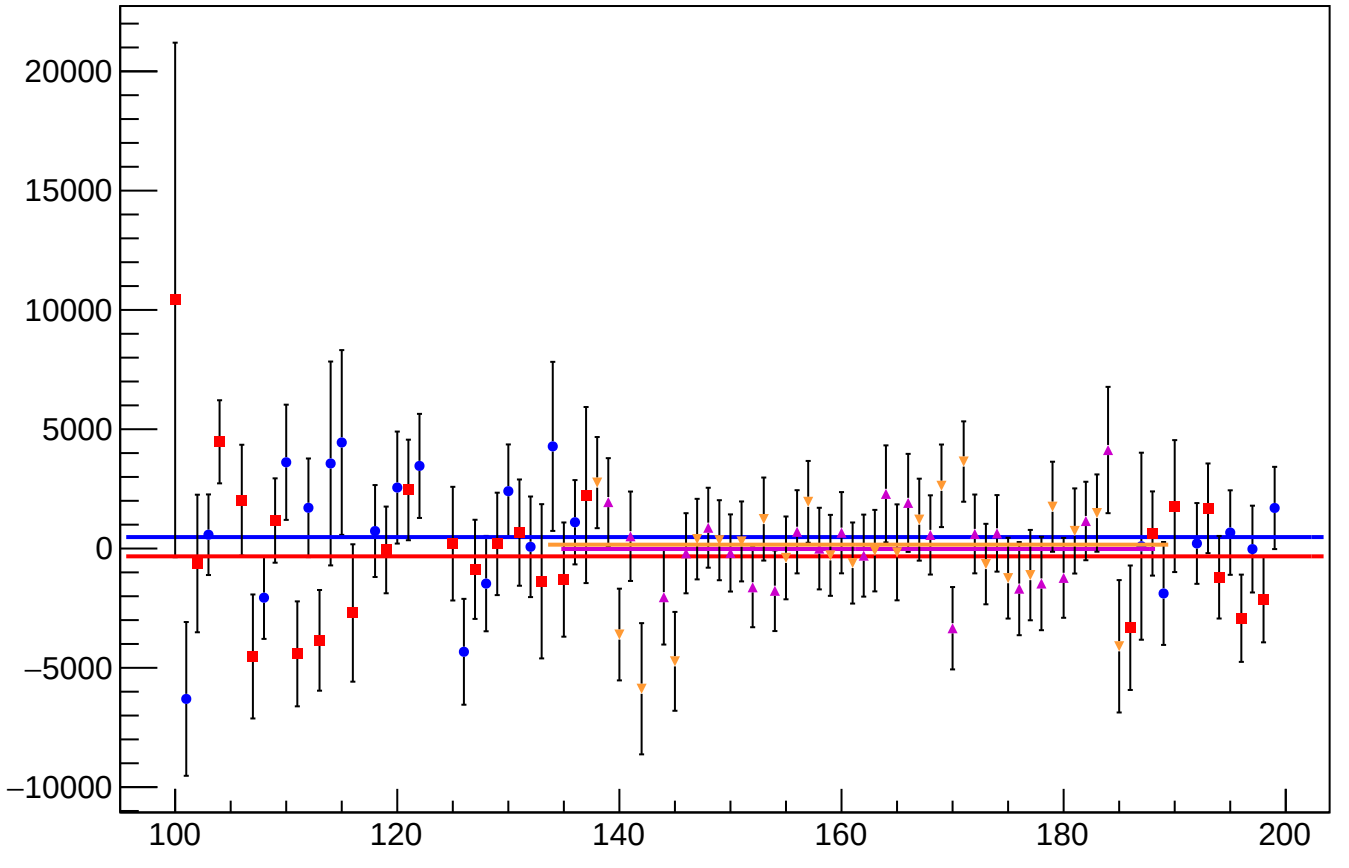
Left: 366.885+/-0.049 χ^2/NDF: 16405627.7/46

Right: 572.994+/-0.103 χ^2/NDF: 15865076.1/46

In: 418.888+/-0.065 χ^2/NDF:17386855.8/44

Out: 392.651+/-0.060 χ^2/NDF:18060959.2/48

All: 404.722+/-0.044 χ^2/NDF: 35535499.6/93



Right In: 479.694+/-451.899 χ^2/NDF: 22.6/21

Left Out: 161.587+/-368.366 χ^2/NDF:29.9/23

Right Out: -327.685+/-438.985 χ^2/NDF: 29.4/24

Left In: -20.250+/-369.781 χ^2/NDF:16.0/22

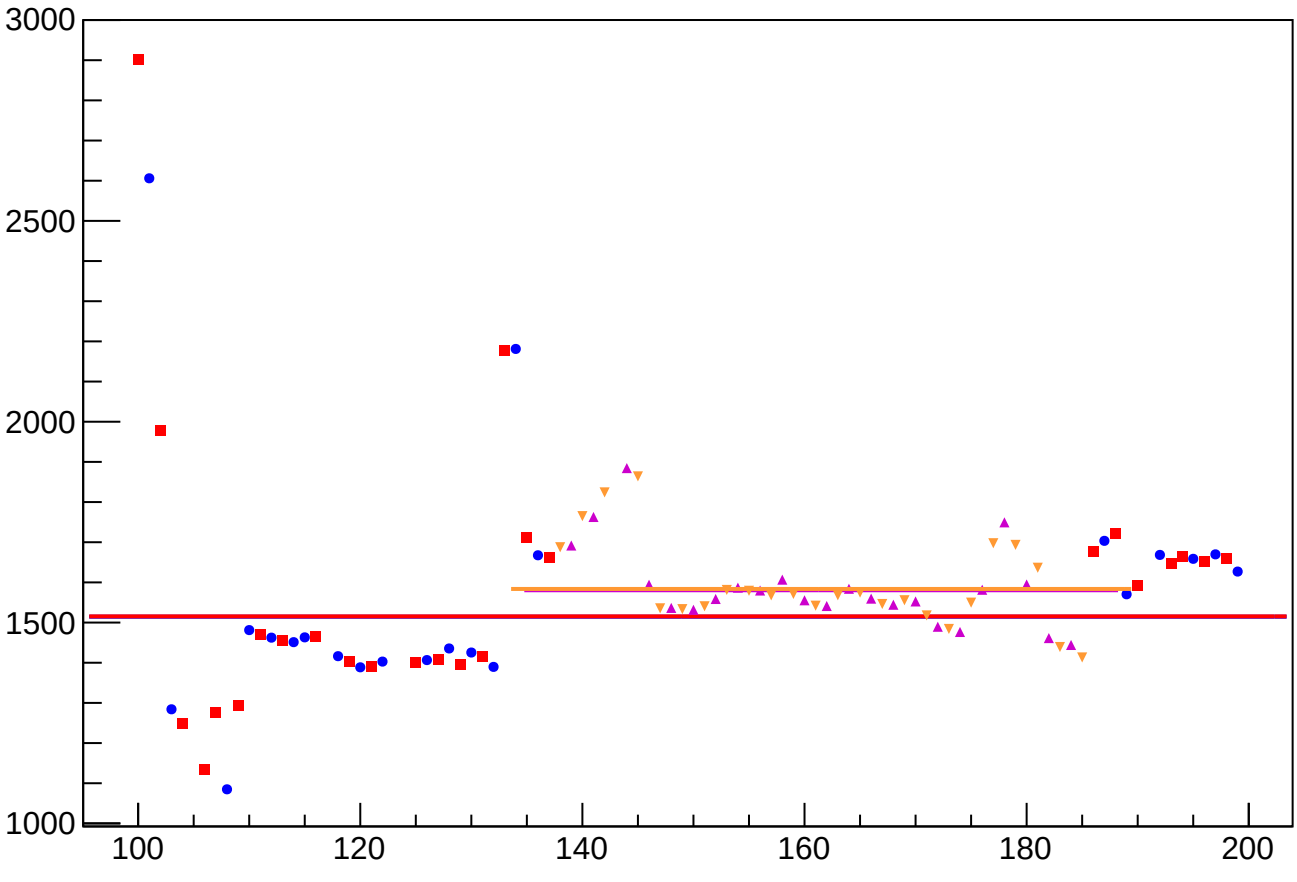
Left: 71.017+/-260.973 χ^2/NDF: 46.0/46

Right: 64.304+/-314.876 χ^2/NDF: 53.7/46

In: 180.252+/-286.180 χ^2/NDF:39.3/44

Out: -40.577+/-282.180 χ^2/NDF:60.1/48

All: 68.284+/-200.931 χ^2/NDF: 99.7/93



Right In: 1514.609+/-0.320 χ^2/NDF: 572930.4/21

Left Out: 1583.673+/-0.260 χ^2/NDF:133583.3/23

Right Out: 1515.386+/-0.310 χ^2/NDF: 458072.9/24

Left In: 1580.464+/-0.261 χ^2/NDF:125745.6/22

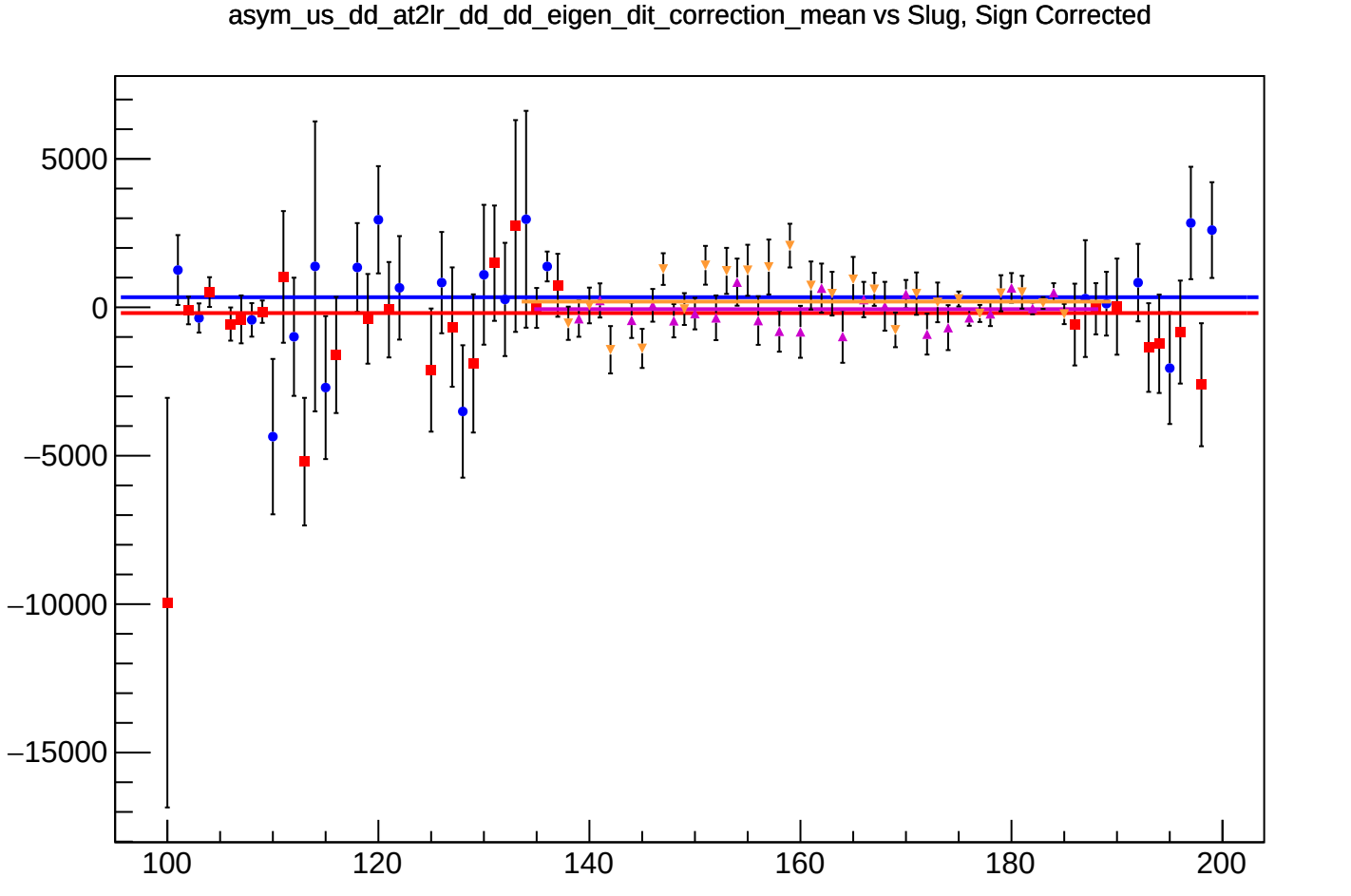
Left: 1582.075+/-0.185 χ^2/NDF: 259404.5/46

Right: 1515.008+/-0.223 χ^2/NDF: 1031006.3/46

In: 1554.053+/-0.202 χ^2/NDF:724116.1/44

Out: 1555.457+/-0.200 χ^2/NDF:620055.2/48

All: 1554.765+/-0.142 χ^2/NDF: 1344195.7/93



Right In: 339.896+/-239.803 χ^2/NDF: 25.8/21

Left Out: 193.312+/-95.894 χ^2/NDF:40.1/23

Right Out: -194.013+/-183.565 χ^2/NDF: 17.1/24

Left In: -62.181+/-99.718 χ^2/NDF:17.0/22

Left: 70.558+/-69.120 χ^2/NDF: 60.5/46

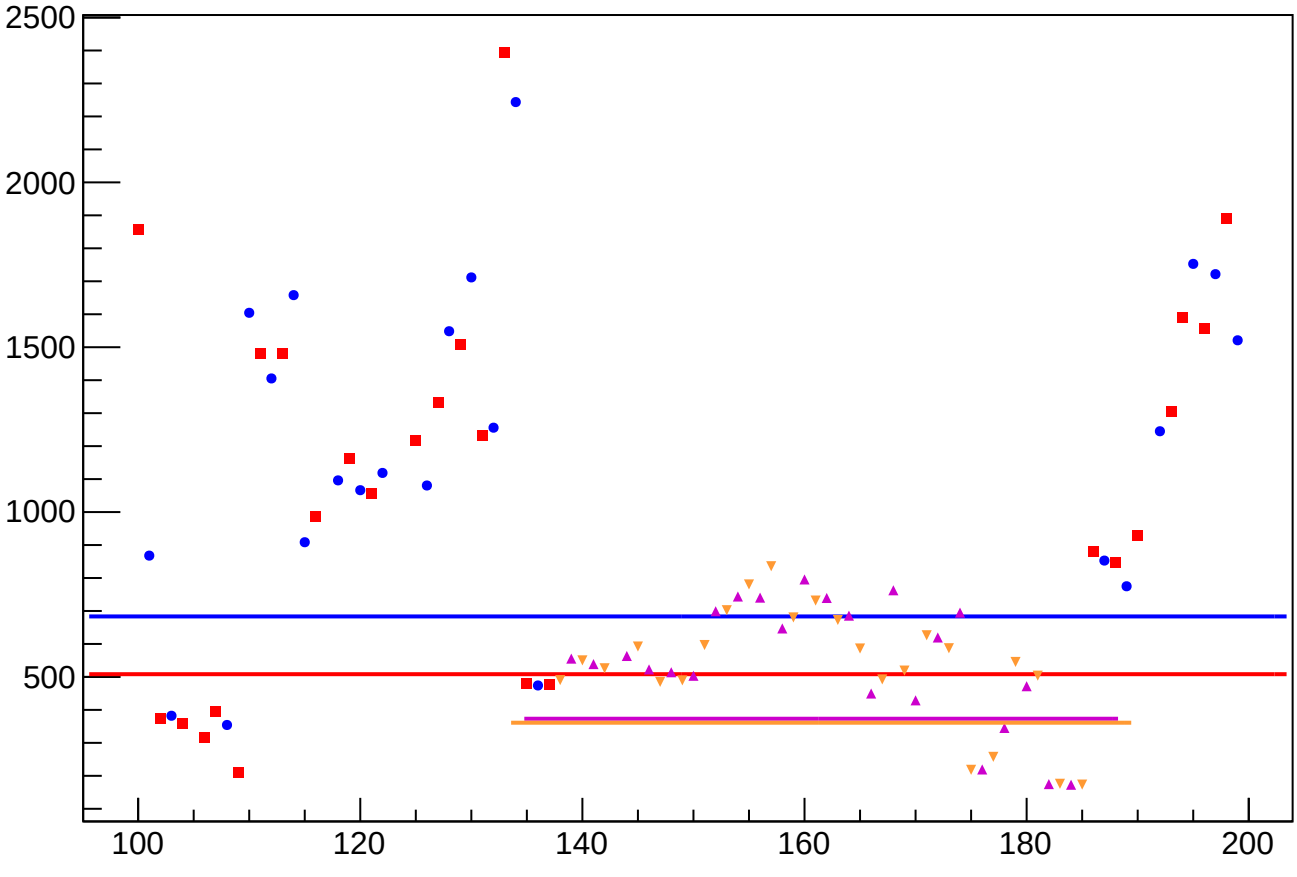
Right: 3.250+/-145.762 χ^2/NDF: 46.0/46

In: -2.905+/-92.075 χ^2/NDF:45.2/44

Out: 110.272+/-84.995 χ^2/NDF:60.7/48

All: 58.201+/-62.454 χ^2/NDF: 106.7/93

asym_us_dd_at2lr_dd_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 683.460+/-0.170 χ^2/NDF: 6324072.8/21

Left Out: 361.103+/-0.068 χ^2/NDF:8182968.2/23

Right Out: 508.272+/-0.130 χ^2/NDF: 8867821.1/24

Left In: 373.145+/-0.071 χ^2/NDF:8207110.6/22

Left: 366.889+/-0.049 χ^2/NDF: 16405230.8/46

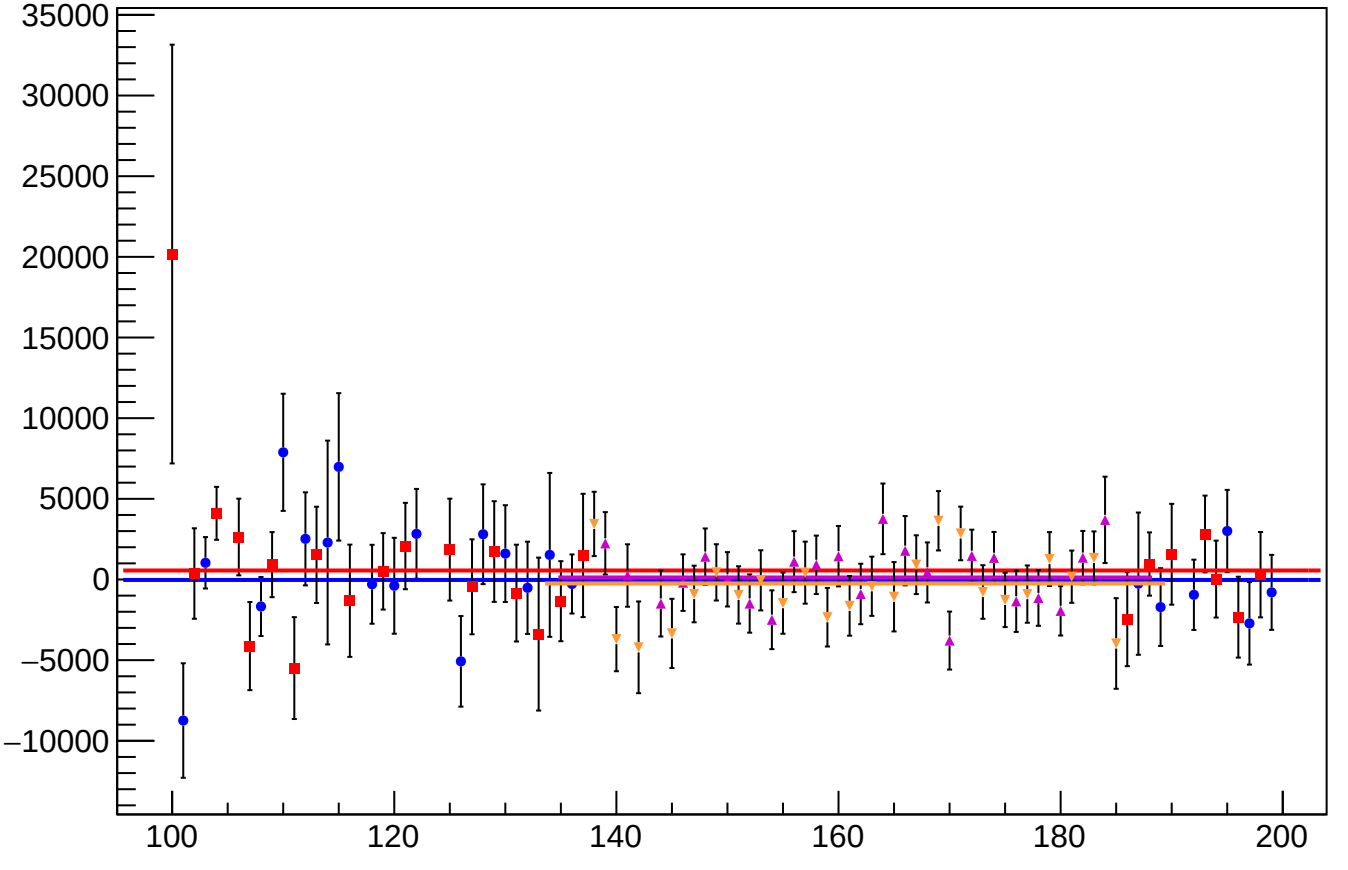
Right: 572.998+/-0.103 χ^2/NDF: 15864928.9/46

In: 418.893+/-0.065 χ^2/NDF:17386532.1/44

Out: 392.655+/-0.060 χ^2/NDF:18060704.4/48

All: 404.727+/-0.044 χ^2/NDF: 35534922.6/93

asym_us_dd_at2lr_dd_dd_mean vs Slug, Sign Corrected



Right In: -28.038+/-560.869 χ^2/NDF: 24.2/21

Left Out: -247.110+/-378.224 χ^2/NDF:26.0/23

Right Out: 559.309+/-533.483 χ^2/NDF: 20.6/24

Left In: 126.114+/-381.305 χ^2/NDF:21.2/22

Left: -62.012+/-268.528 χ^2/NDF: 47.7/46

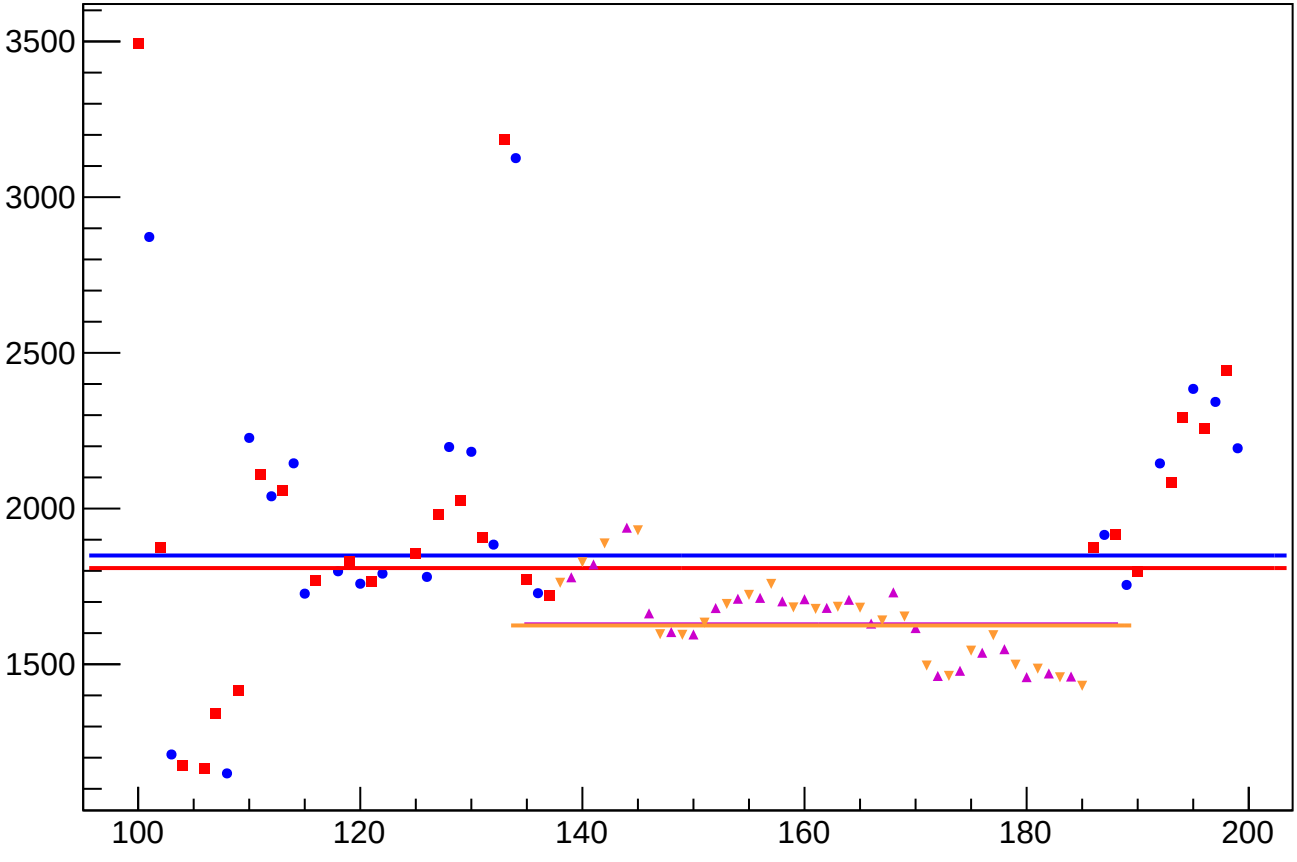
Right: 280.325+/-386.549 χ^2/NDF: 45.3/46

In: 77.387+/-315.334 χ^2/NDF:45.4/44

Out: 22.641+/-308.547 χ^2/NDF:48.1/48

All: 49.419+/-220.536 χ^2/NDF: 93.6/93

asym_us_dd_at2lr_dd_dd_rms vs Slug, Sign Corrected



Right In: 1849.261+/-0.397 χ^2/NDF: 1253857.6/21

Left Out: 1624.614+/-0.267 χ^2/NDF:207257.7/23

Right Out: 1808.901+/-0.377 χ^2/NDF: 1131268.1/24

Left In: 1628.221+/-0.270 χ^2/NDF:204880.6/22

Left: 1626.403+/-0.190 χ^2/NDF: 412228.5/46

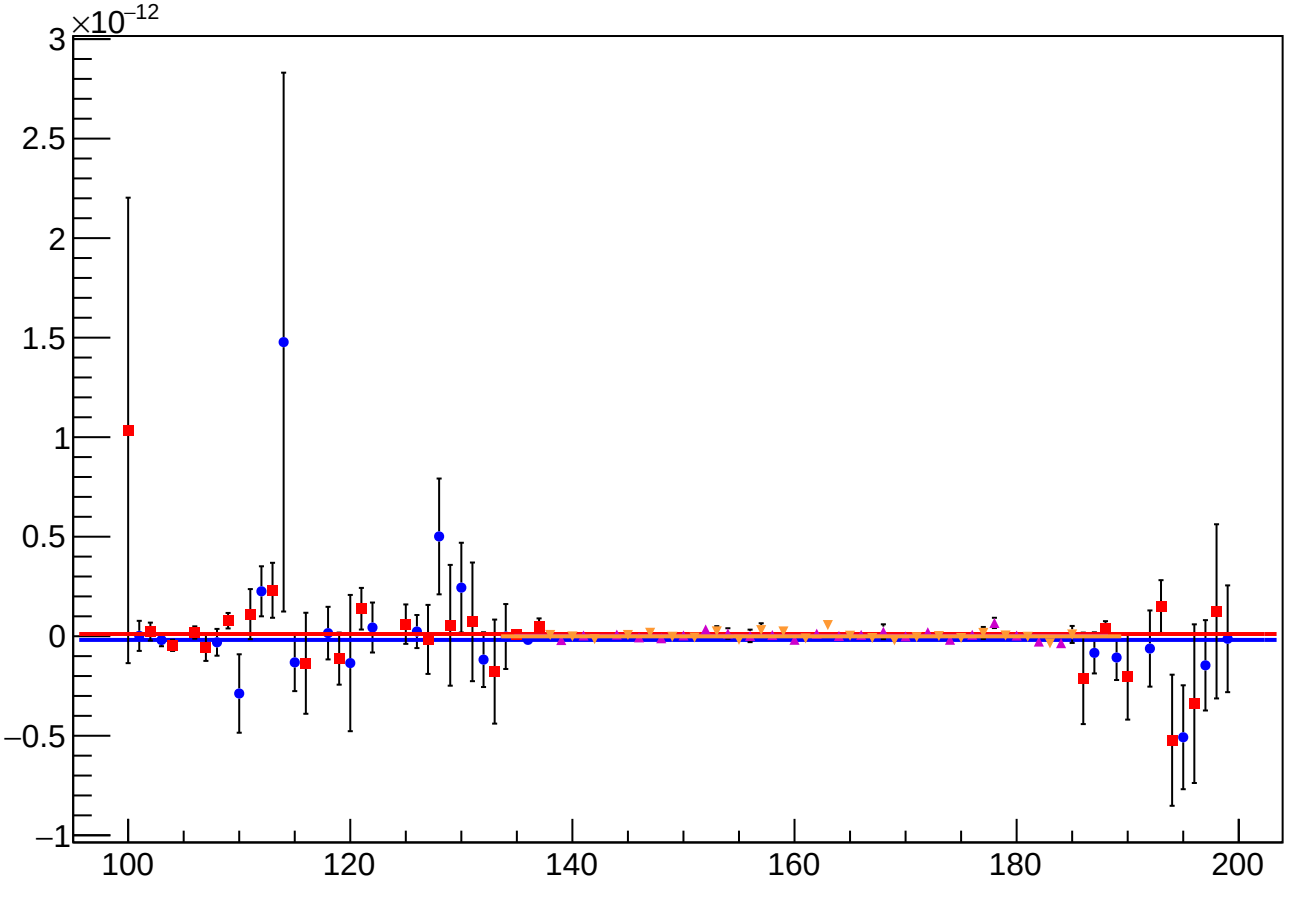
Right: 1828.071+/-0.273 χ^2/NDF: 2390562.8/46

In: 1698.091+/-0.223 χ^2/NDF:1671181.6/44

Out: 1686.259+/-0.218 χ^2/NDF:1497352.2/48

All: 1692.046+/-0.156 χ^2/NDF: 3169972.2/93

asym_us_dd_at2lr_dd_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 18.2/21

Left Out: -0.000+/-0.000 χ^2/NDF:22.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 23.5/24

Left In: 0.000+/-0.000 χ^2/NDF:24.2/22

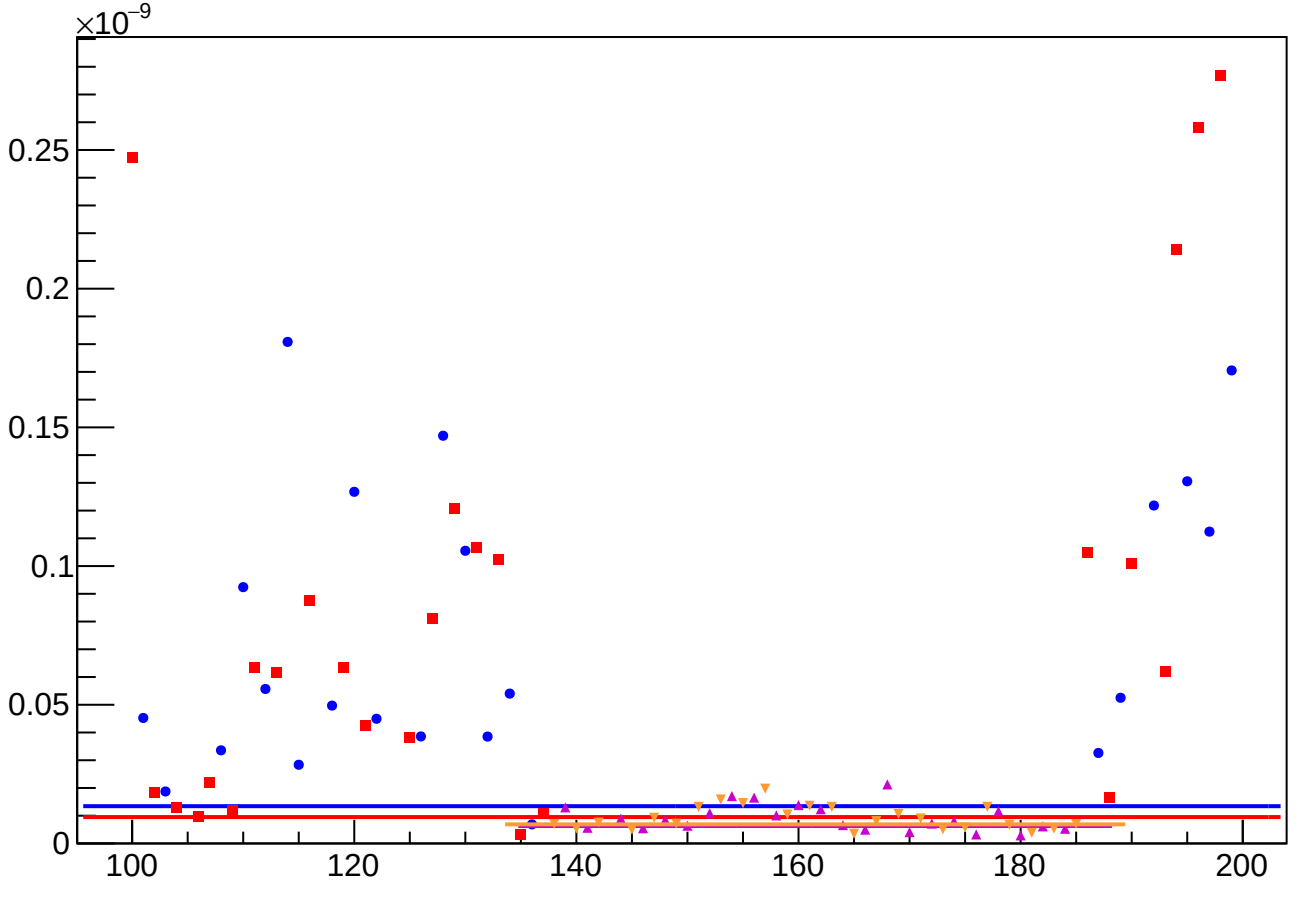
Left: 0.000+/-0.000 χ^2/NDF: 47.2/46

Right: -0.000+/-0.000 χ^2/NDF: 46.8/46

In: 0.000+/-0.000 χ^2/NDF:46.2/44

Out: 0.000+/-0.000 χ^2/NDF:47.8/48

All: 0.000+/-0.000 χ^2/NDF: 94.0/93



Right In: 0.000+/-0.000 χ^2/NDF: 5882978.9/21

Left Out: 0.000+/-0.000 χ^2/NDF:2256547.8/23

Right Out: 0.000+/-0.000 χ^2/NDF: 6937403.1/24

Left In: 0.000+/-0.000 χ^2/NDF:2888385.6/22

Left: 0.000+/-0.000 χ^2/NDF: 5189150.7/46

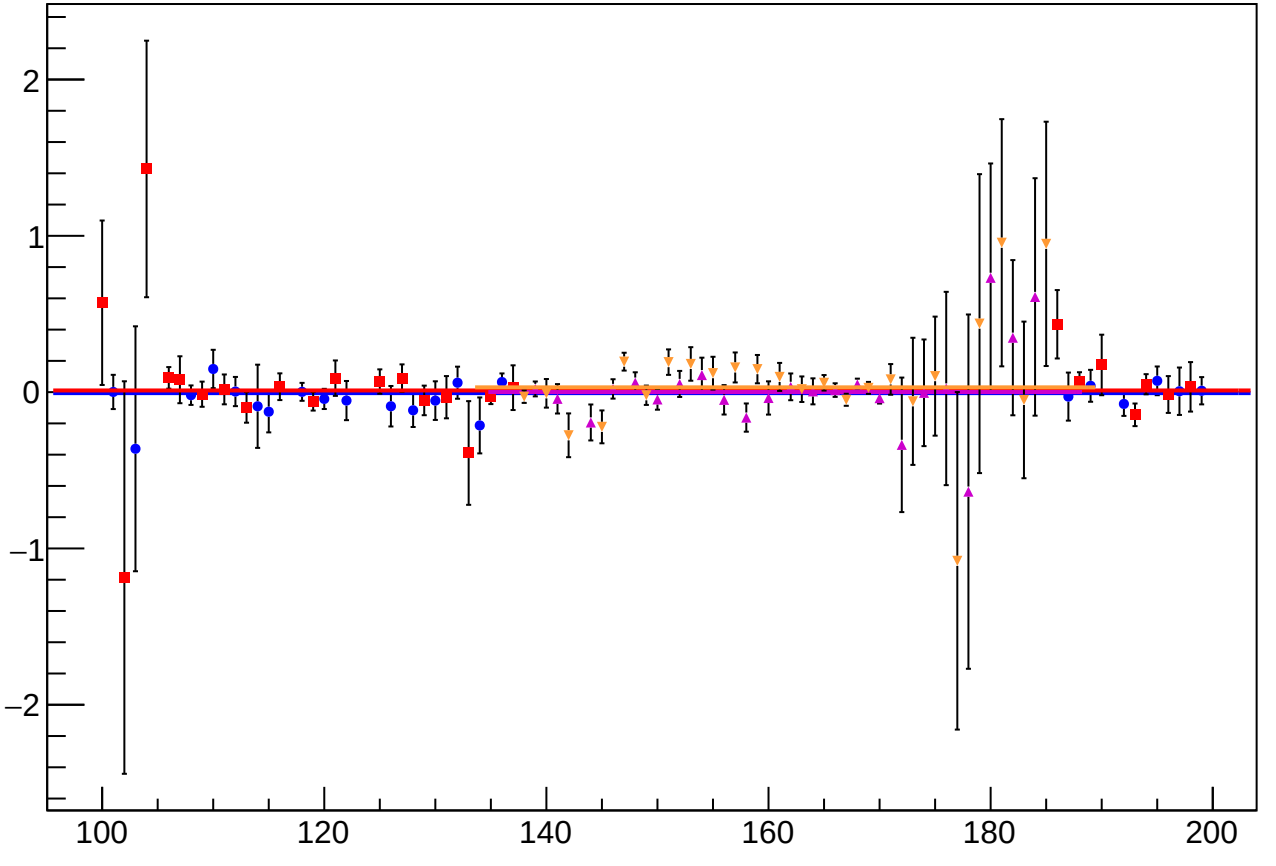
Right: 0.000+/-0.000 χ^2/NDF: 12998112.8/46

In: 0.000+/-0.000 χ^2/NDF:9700358.3/44

Out: 0.000+/-0.000 χ^2/NDF:9367643.0/48

All: 0.000+/-0.000 χ^2/NDF: 19088422.6/93

asym_us_dd_at2lr_dd_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.006+/-0.020 χ^2/NDF: 10.1/21

Left Out: 0.031+/-0.015 χ^2/NDF:41.5/23

Right Out: 0.011+/-0.019 χ^2/NDF: 24.1/24

Left In: 0.001+/-0.015 χ^2/NDF:16.0/22

Left: 0.015+/-0.011 χ^2/NDF: 59.5/46

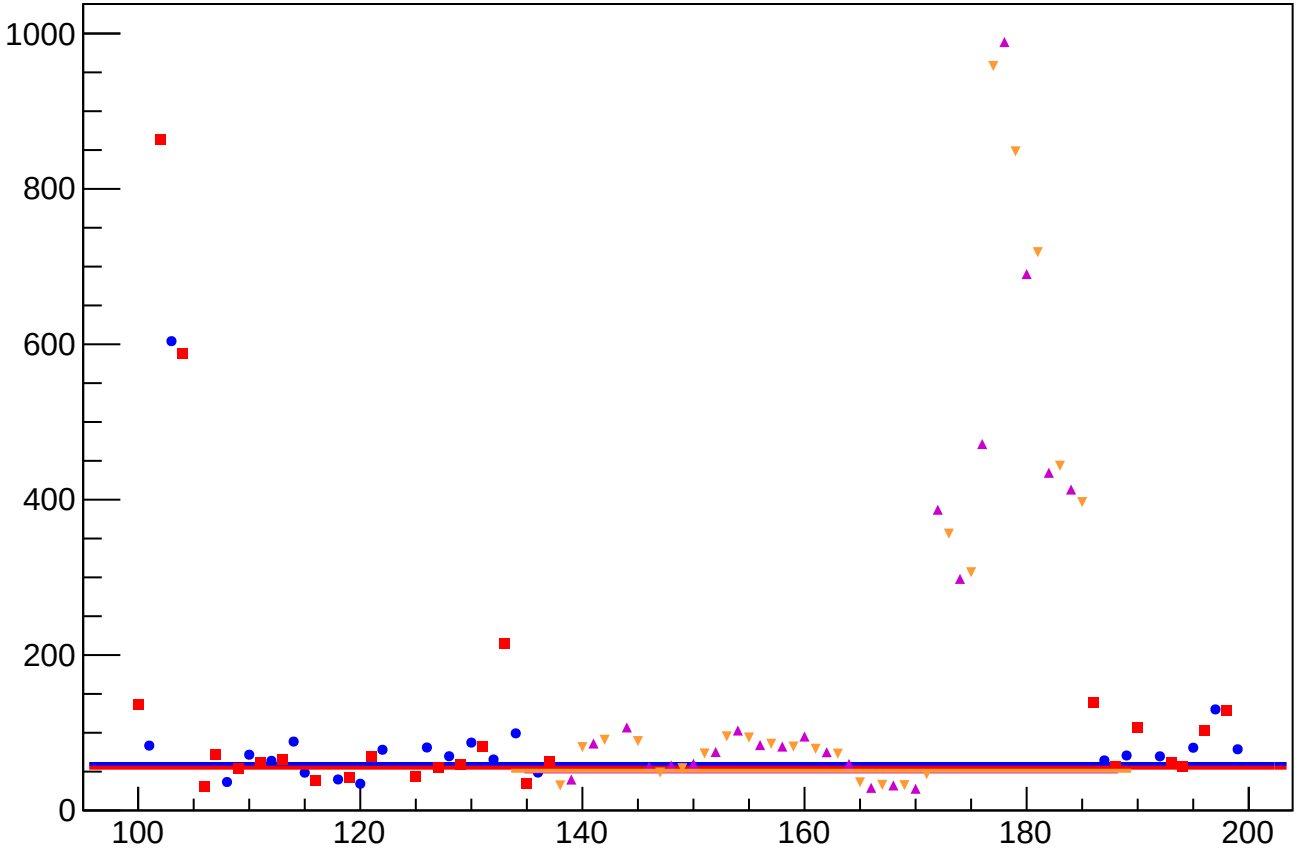
Right: 0.003+/-0.014 χ^2/NDF: 34.6/46

In: -0.002+/-0.012 χ^2/NDF:26.2/44

Out: 0.022+/-0.012 χ^2/NDF:66.3/48

All: 0.011+/-0.009 χ^2/NDF: 94.6/93

asym_us_dd_at2lr_dd_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 59.782+/-0.014 χ^2/NDF: 3029030.6/21

Left Out: 51.081+/-0.011 χ^2/NDF:11736636.7/23

Right Out: 55.066+/-0.013 χ^2/NDF: 4366014.3/24

Left In: 50.251+/-0.011 χ^2/NDF:12195723.8/22

Left: 50.660+/-0.008 χ^2/NDF: 23935280.6/46

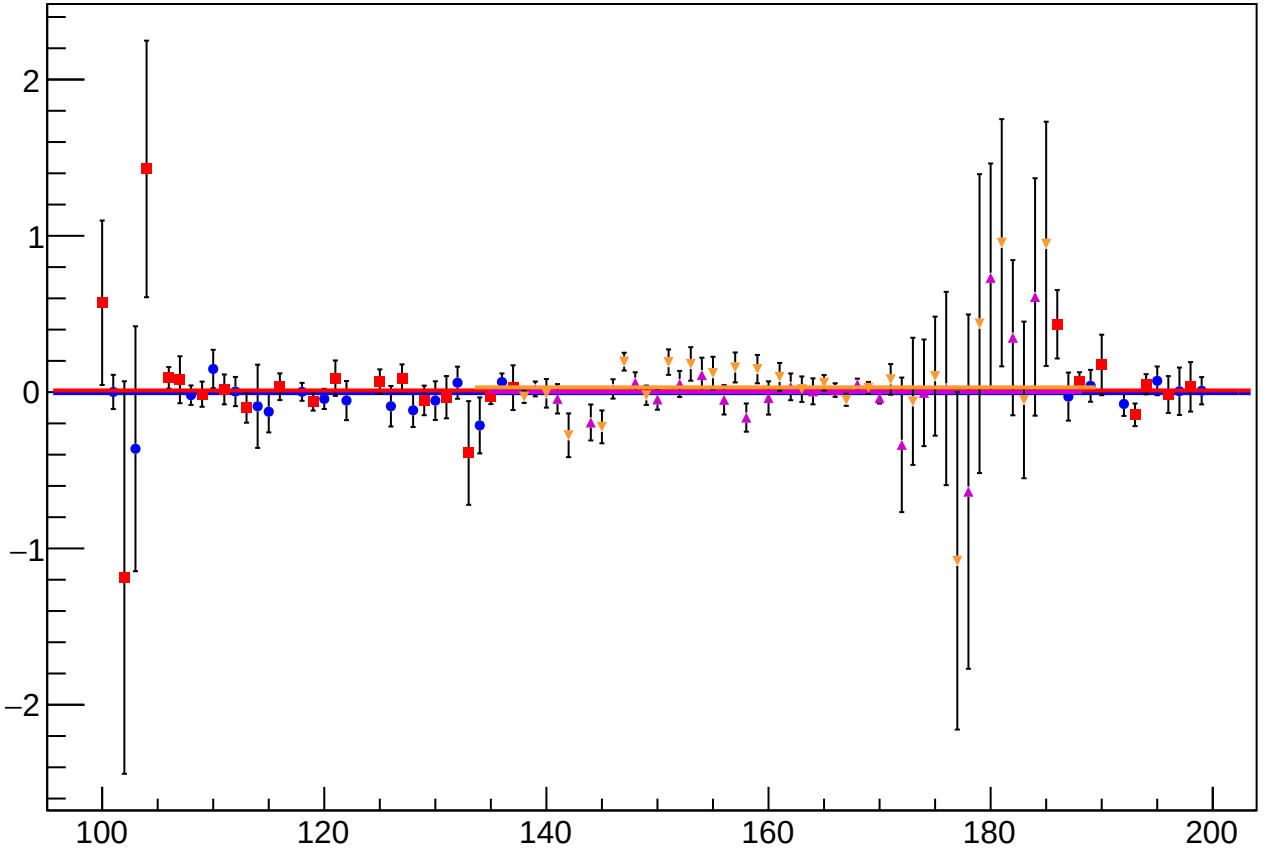
Right: 57.241+/-0.010 χ^2/NDF: 7454361.2/46

In: 53.735+/-0.009 χ^2/NDF:15510056.1/44

Out: 52.710+/-0.008 χ^2/NDF:16156897.7/48

All: 53.212+/-0.006 χ^2/NDF: 31674215.9/93

asym_us_dd_at2lr_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.006+/-0.020 χ^2/NDF: 10.1/21

Left Out: 0.031+/-0.015 χ^2/NDF:41.5/23

Right Out: 0.011+/-0.019 χ^2/NDF: 24.1/24

Left In: 0.001+/-0.015 χ^2/NDF:16.0/22

Left: 0.015+/-0.011 χ^2/NDF: 59.5/46

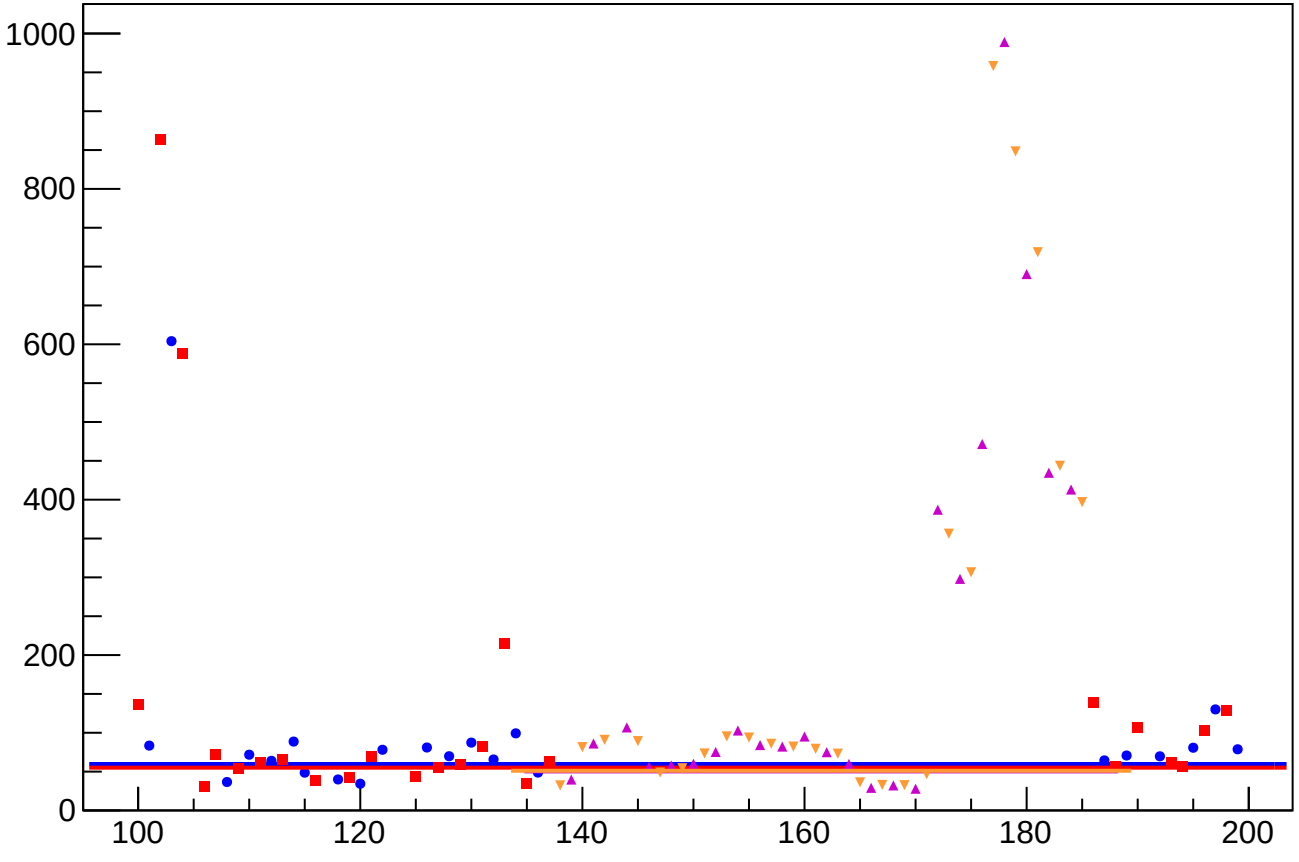
Right: 0.003+/-0.014 χ^2/NDF: 34.6/46

In: -0.002+/-0.012 χ^2/NDF:26.2/44

Out: 0.022+/-0.012 χ^2/NDF:66.3/48

All: 0.011+/-0.009 χ^2/NDF: 94.6/93

asym_us_dd_at2lr_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 59.782+/-0.014 χ^2/NDF: 3029030.6/21

Left Out: 51.081+/-0.011 χ^2/NDF:11736636.7/23

Right Out: 55.066+/-0.013 χ^2/NDF: 4366014.3/24

Left In: 50.251+/-0.011 χ^2/NDF:12195723.8/22

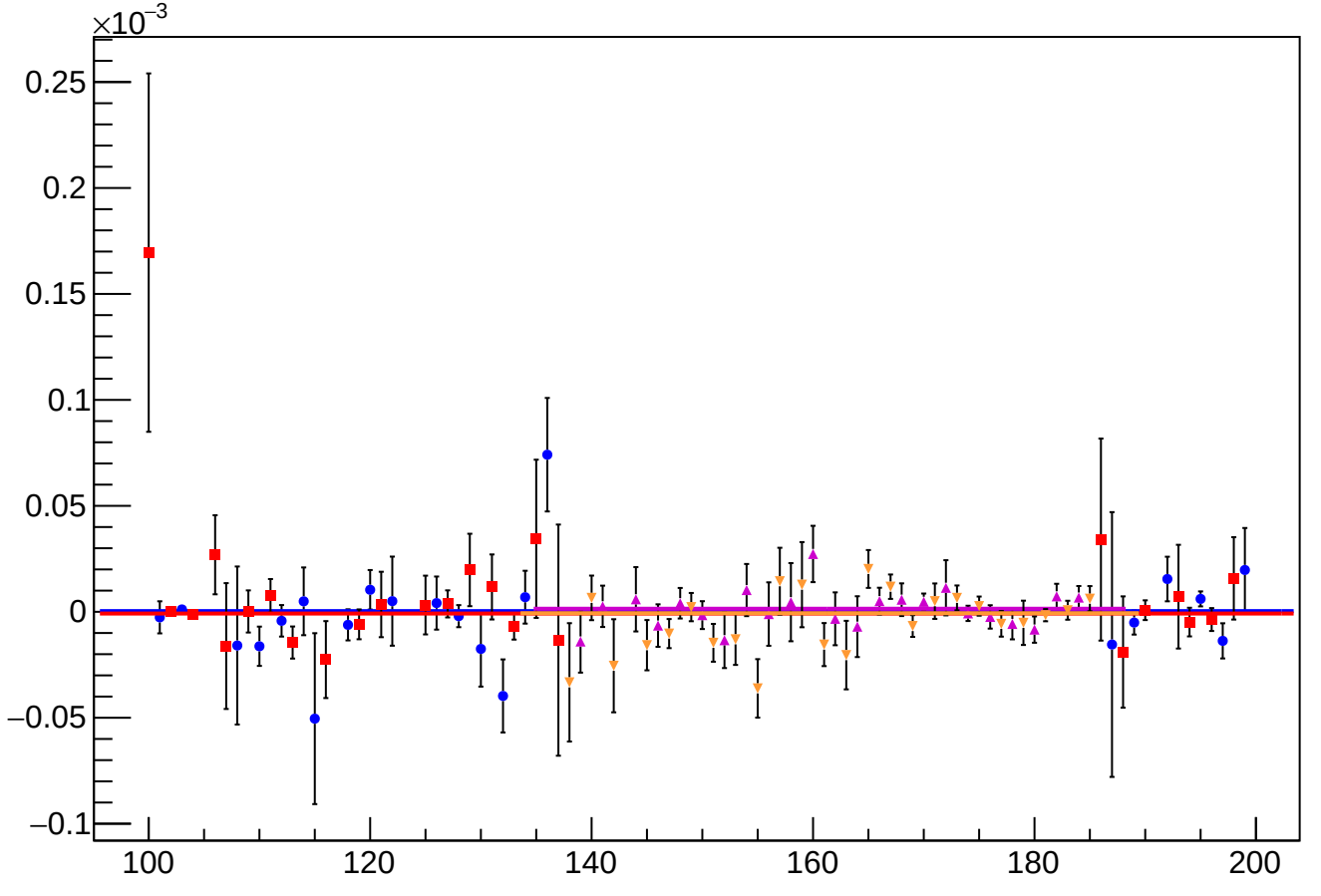
Left: 50.660+/-0.008 χ^2/NDF: 23935280.6/46

Right: 57.241+/-0.010 χ^2/NDF: 7454361.2/46

In: 53.735+/-0.009 χ^2/NDF:15510056.1/44

Out: 52.710+/-0.008 χ^2/NDF:16156897.7/48

All: 53.212+/-0.006 χ^2/NDF: 31674215.9/93



Right In: 0.000+/-0.000 χ^2/NDF: 31.8/21

Left Out: -0.000+/-0.000 χ^2/NDF:38.5/23

Right Out: -0.000+/-0.000 χ^2/NDF: 20.4/24

Left In: 0.000+/-0.000 χ^2/NDF:16.4/22

Left: 0.000+/-0.000 χ^2/NDF: 56.0/46

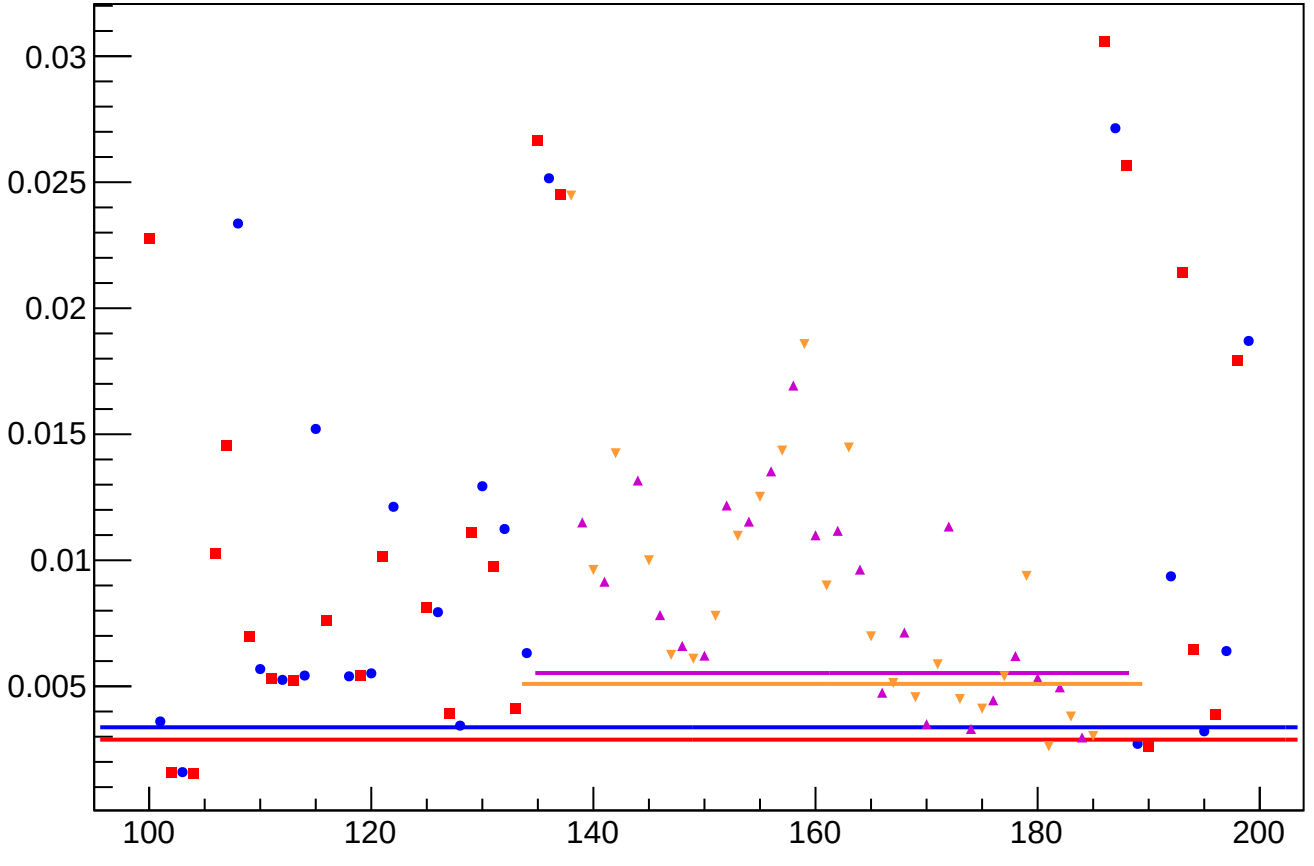
Right: -0.000+/-0.000 χ^2/NDF: 52.7/46

In: 0.000+/-0.000 χ^2/NDF:48.6/44

Out: -0.000+/-0.000 χ^2/NDF:58.9/48

All: -0.000+/-0.000 χ^2/NDF: 108.9/93

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: 8273375.6/21

Left Out: 0.005+/-0.000 χ^2/NDF:8380878.9/23

Right Out: 0.003+/-0.000 χ^2/NDF: 11546355.2/24

Left In: 0.006+/-0.000 χ^2/NDF:6892708.8/22

Left: 0.005+/-0.000 χ^2/NDF: 15361726.2/46

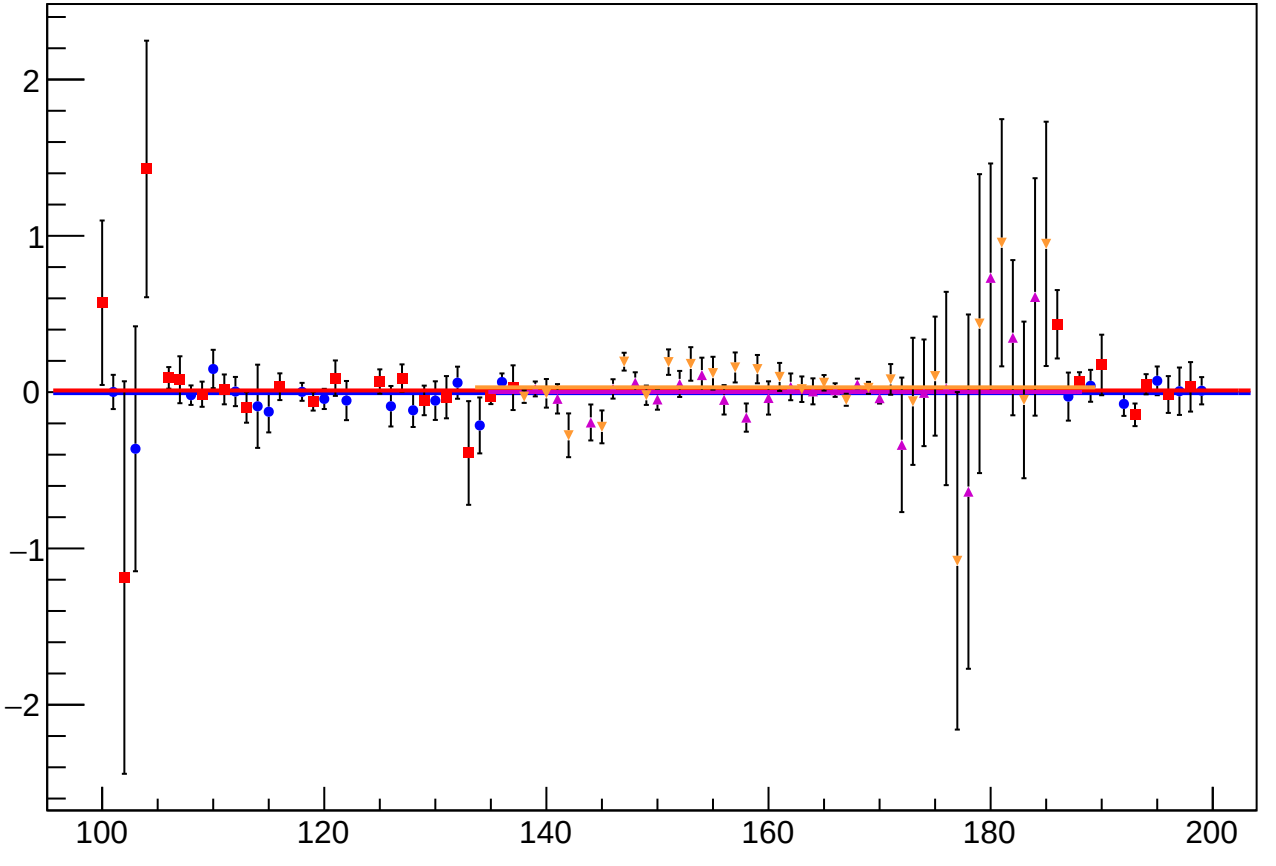
Right: 0.003+/-0.000 χ^2/NDF: 19965778.7/46

In: 0.004+/-0.000 χ^2/NDF:17368191.3/44

Out: 0.004+/-0.000 χ^2/NDF:22886804.4/48

All: 0.004+/-0.000 χ^2/NDF: 40595966.2/93

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.006+/-0.020 χ^2/NDF: 10.1/21

Left Out: 0.031+/-0.015 χ^2/NDF:41.5/23

Right Out: 0.011+/-0.019 χ^2/NDF: 24.1/24

Left In: 0.001+/-0.015 χ^2/NDF:16.0/22

Left: 0.015+/-0.011 χ^2/NDF: 59.5/46

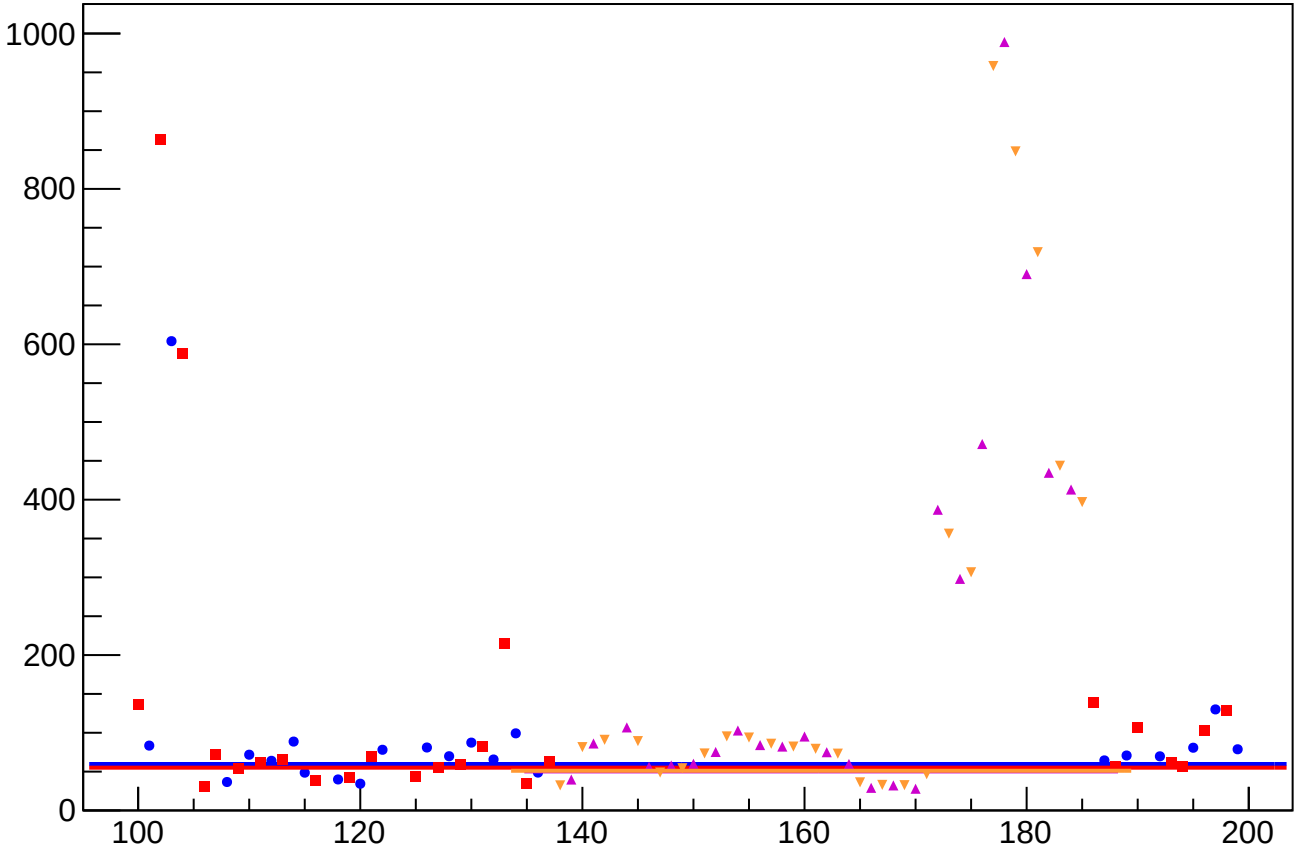
Right: 0.003+/-0.014 χ^2/NDF: 34.6/46

In: -0.002+/-0.012 χ^2/NDF:26.2/44

Out: 0.022+/-0.012 χ^2/NDF:66.3/48

All: 0.011+/-0.009 χ^2/NDF: 94.6/93

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 59.785+/-0.014 χ^2/NDF: 3028479.3/21

Left Out: 51.083+/-0.011 χ^2/NDF:11735805.5/23

Right Out: 55.068+/-0.013 χ^2/NDF: 4365693.0/24

Left In: 50.251+/-0.011 χ^2/NDF:12195665.4/22

Left: 50.661+/-0.008 χ^2/NDF: 23934407.8/46

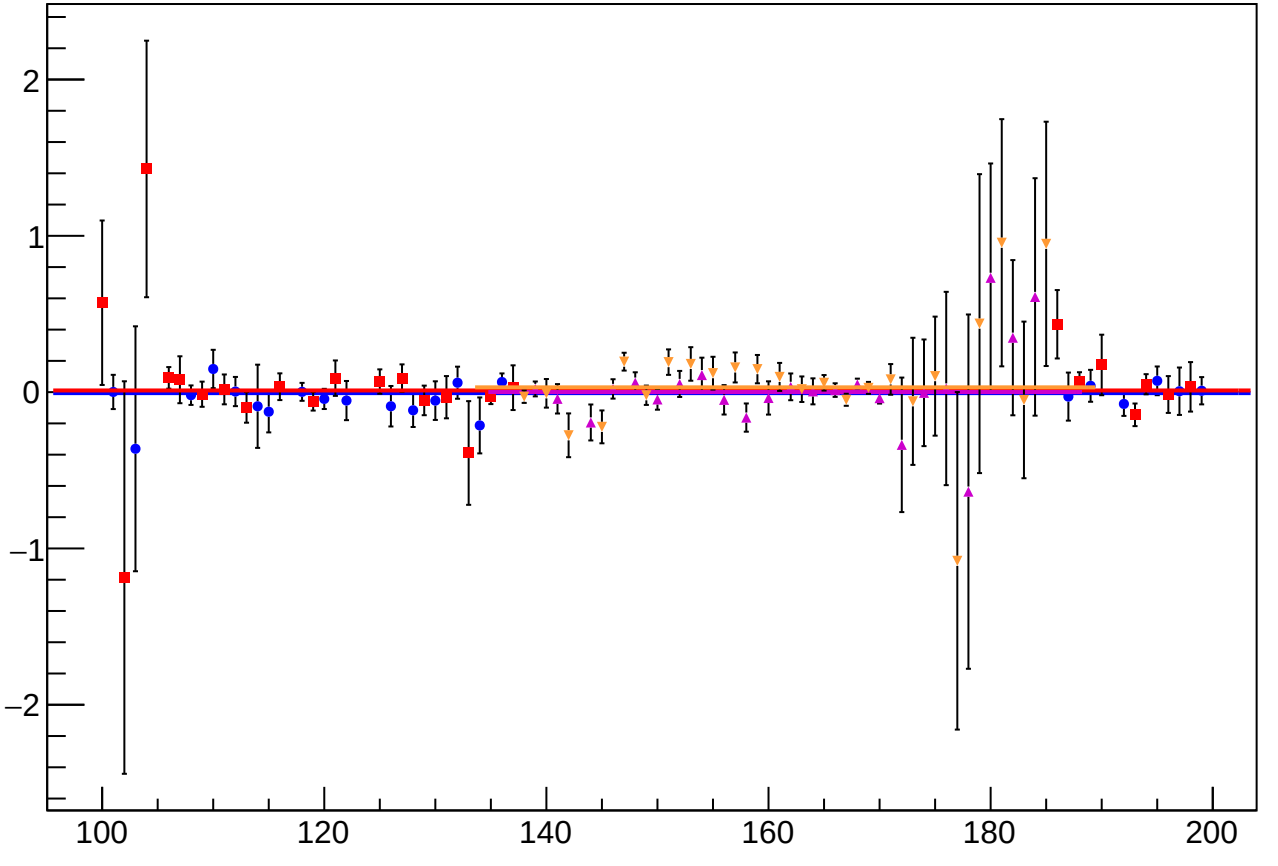
Right: 57.244+/-0.010 χ^2/NDF: 7453512.6/46

In: 53.736+/-0.009 χ^2/NDF:15509613.5/44

Out: 52.713+/-0.008 χ^2/NDF:16155730.3/48

All: 53.213+/-0.006 χ^2/NDF: 31672587.3/93

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.006+/-0.020 χ^2/NDF: 10.1/21

Left Out: 0.031+/-0.015 χ^2/NDF:41.5/23

Right Out: 0.011+/-0.019 χ^2/NDF: 24.1/24

Left In: 0.001+/-0.015 χ^2/NDF:16.0/22

Left: 0.015+/-0.011 χ^2/NDF: 59.5/46

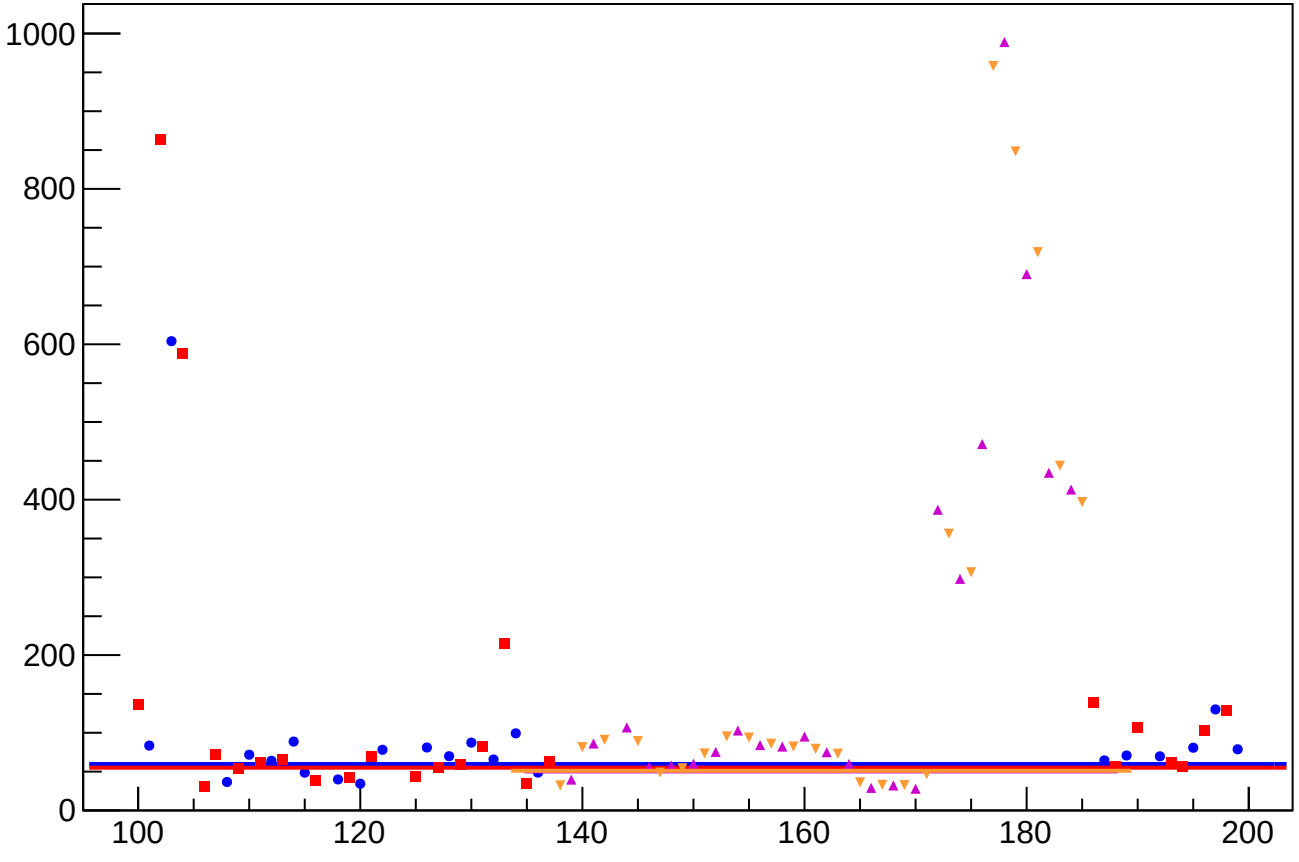
Right: 0.003+/-0.014 χ^2/NDF: 34.6/46

In: -0.002+/-0.012 χ^2/NDF:26.2/44

Out: 0.022+/-0.012 χ^2/NDF:66.3/48

All: 0.011+/-0.009 χ^2/NDF: 94.6/93

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 59.785+/-0.014 χ^2/NDF: 3028479.3/21

Left Out: 51.083+/-0.011 χ^2/NDF:11735805.5/23

Right Out: 55.068+/-0.013 χ^2/NDF: 4365693.0/24

Left In: 50.251+/-0.011 χ^2/NDF:12195665.4/22

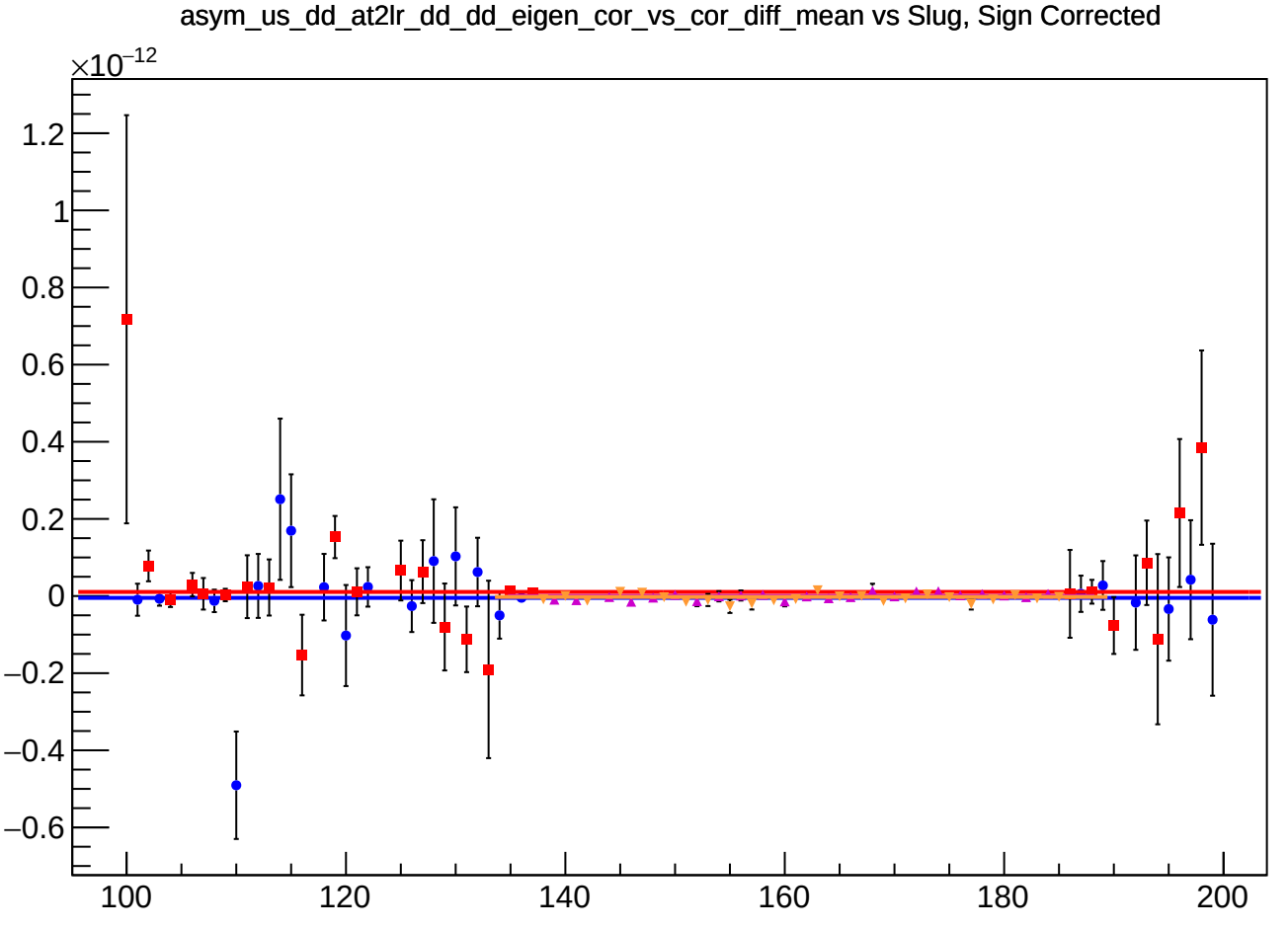
Left: 50.661+/-0.008 χ^2/NDF: 23934407.8/46

Right: 57.244+/-0.010 χ^2/NDF: 7453512.6/46

In: 53.736+/-0.009 χ^2/NDF:15509613.5/44

Out: 52.713+/-0.008 χ^2/NDF:16155730.3/48

All: 53.213+/-0.006 χ^2/NDF: 31672587.3/93



Right In: -0.000+/-0.000 χ^2/NDF: 19.1/21

Left Out: -0.000+/-0.000 χ^2/NDF:22.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 25.6/24

Left In: -0.000+/-0.000 χ^2/NDF:18.2/22

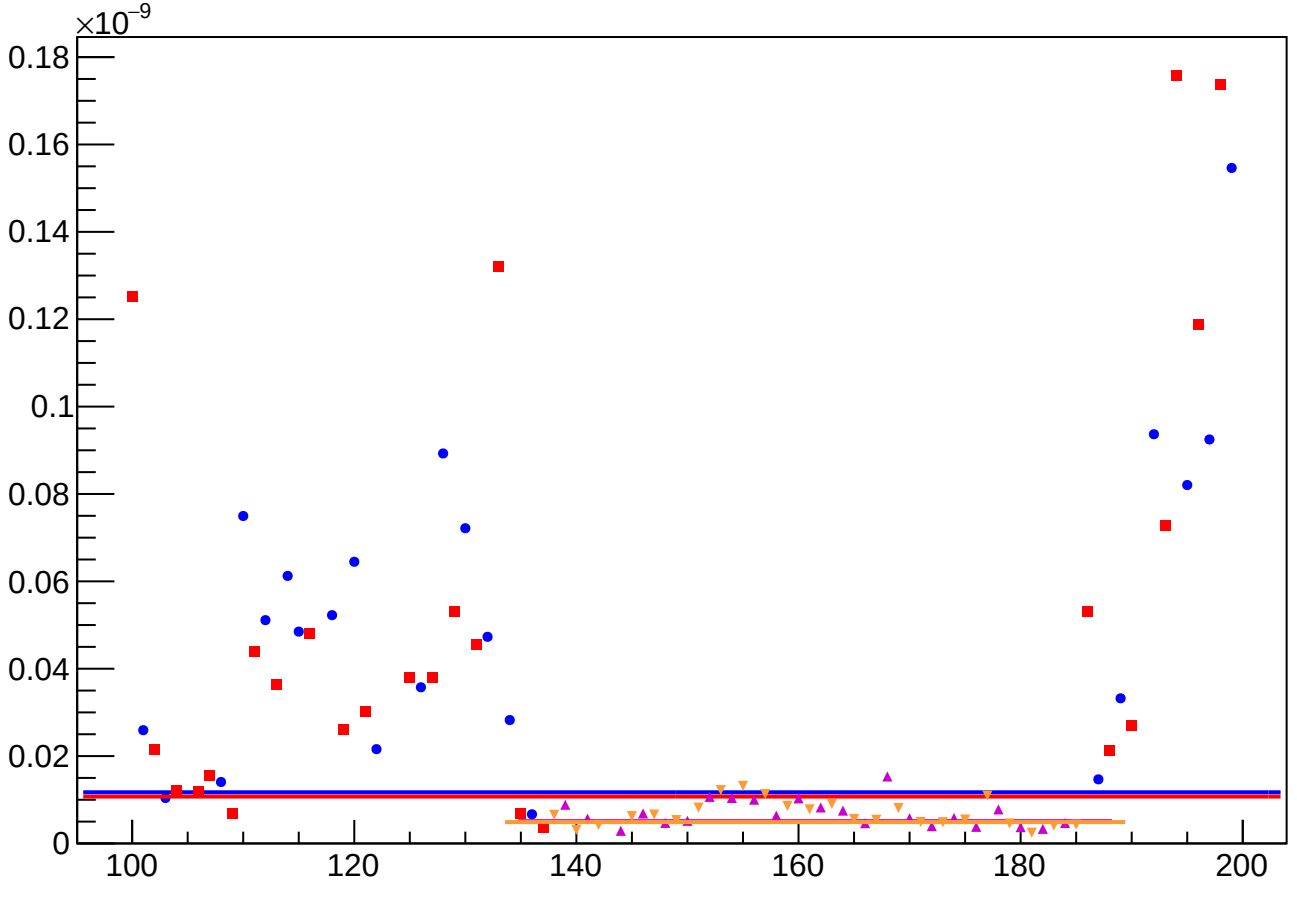
Left: -0.000+/-0.000 χ^2/NDF: 41.4/46

Right: 0.000+/-0.000 χ^2/NDF: 47.5/46

In: -0.000+/-0.000 χ^2/NDF:37.8/44

Out: -0.000+/-0.000 χ^2/NDF:51.9/48

All: -0.000+/-0.000 χ^2/NDF: 89.9/93



Right In: 0.000+/-0.000 χ^2/NDF: 7894856.1/21

Left Out: 0.000+/-0.000 χ^2/NDF:4312108.9/23

Right Out: 0.000+/-0.000 χ^2/NDF: 7948009.9/24

Left In: 0.000+/-0.000 χ^2/NDF:3777059.0/22

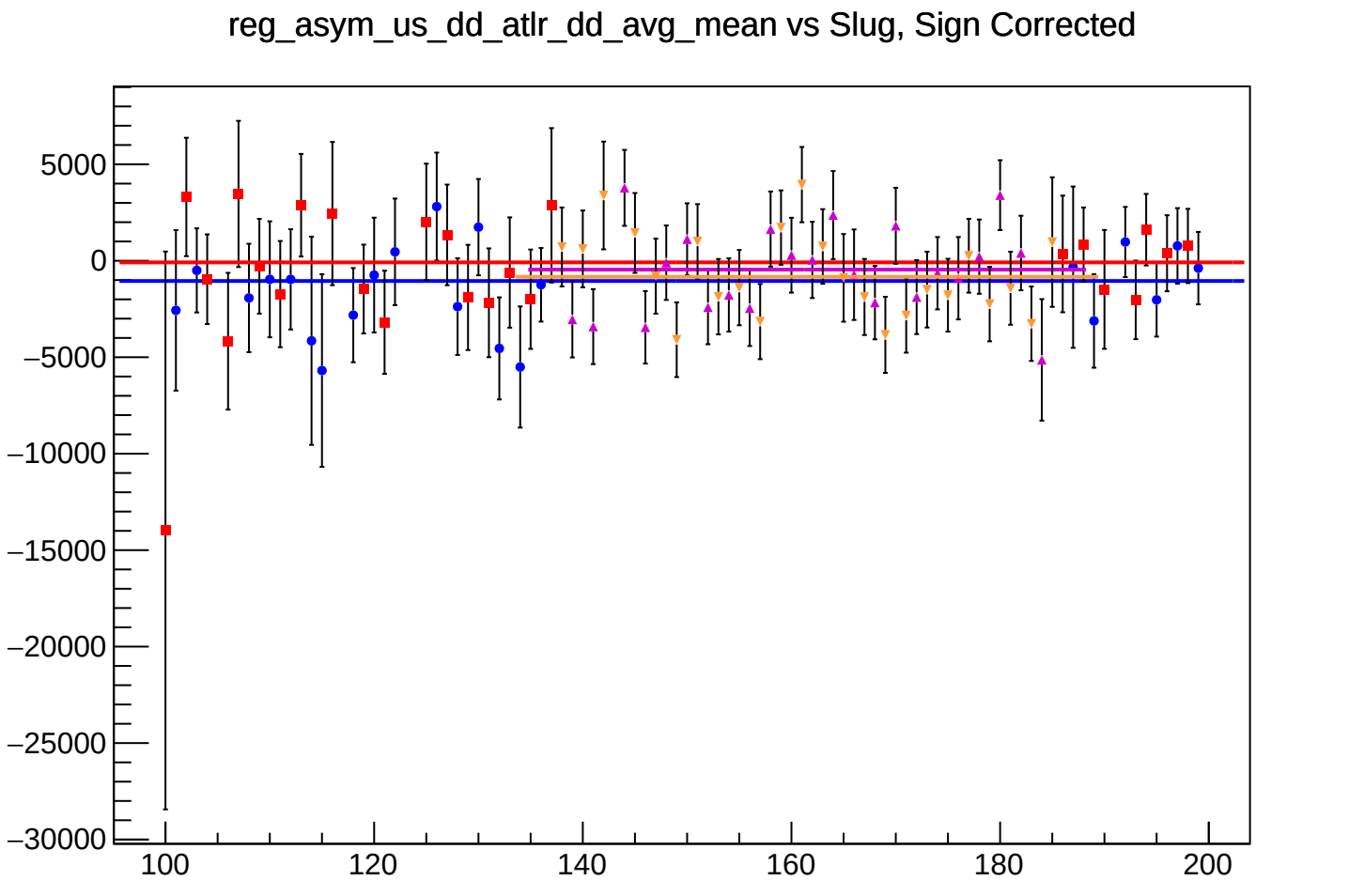
Left: 0.000+/-0.000 χ^2/NDF: 8107483.0/46

Right: 0.000+/-0.000 χ^2/NDF: 15865890.2/46

In: 0.000+/-0.000 χ^2/NDF:13518060.4/44

Out: 0.000+/-0.000 χ^2/NDF:13895947.2/48

All: 0.000+/-0.000 χ^2/NDF: 27437607.8/93



Right In: -1048.464+/-537.884 χ^2/NDF: 12.8/21

Left Out: -832.582+/-410.448 χ^2/NDF:25.4/23

Right Out: -83.268+/-521.081 χ^2/NDF: 13.6/24

Left In: -459.594+/-413.637 χ^2/NDF:27.3/22

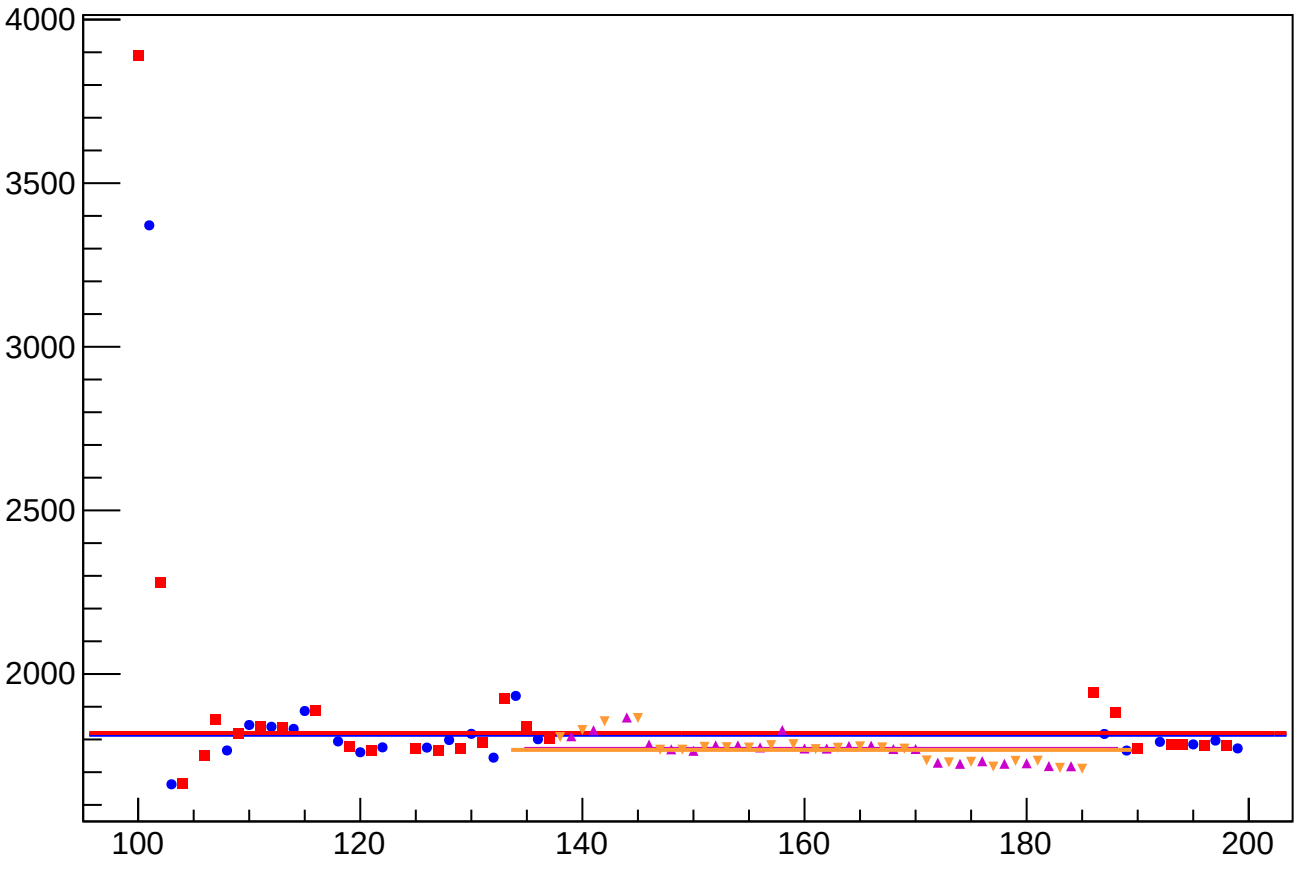
Left: -647.532+/-291.352 χ^2/NDF: 53.1/46

Right: -550.555+/-374.259 χ^2/NDF: 28.1/46

In: -678.426+/-327.894 χ^2/NDF:40.8/44

Out: -545.680+/-322.434 χ^2/NDF:40.3/48

All: -610.938+/-229.901 χ^2/NDF: 81.2/93



Right In: 1814.346+/-0.380 χ^2/NDF: 299599.1/21

Left Out: 1768.125+/-0.290 χ^2/NDF:16358.2/23

Right Out: 1819.787+/-0.368 χ^2/NDF: 112045.0/24

Left In: 1771.217+/-0.292 χ^2/NDF:16425.7/22

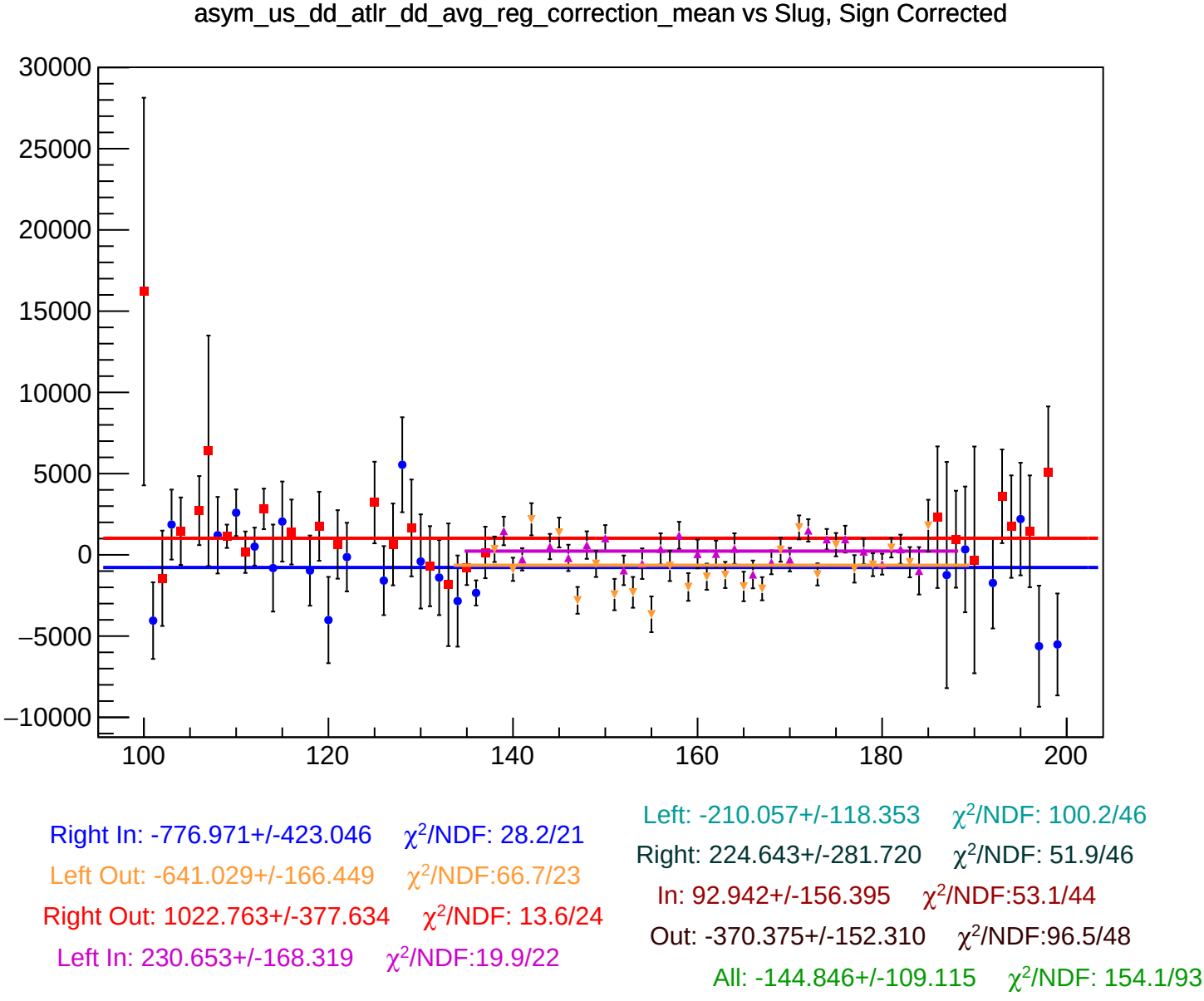
Left: 1769.659+/-0.206 χ^2/NDF: 32840.2/46

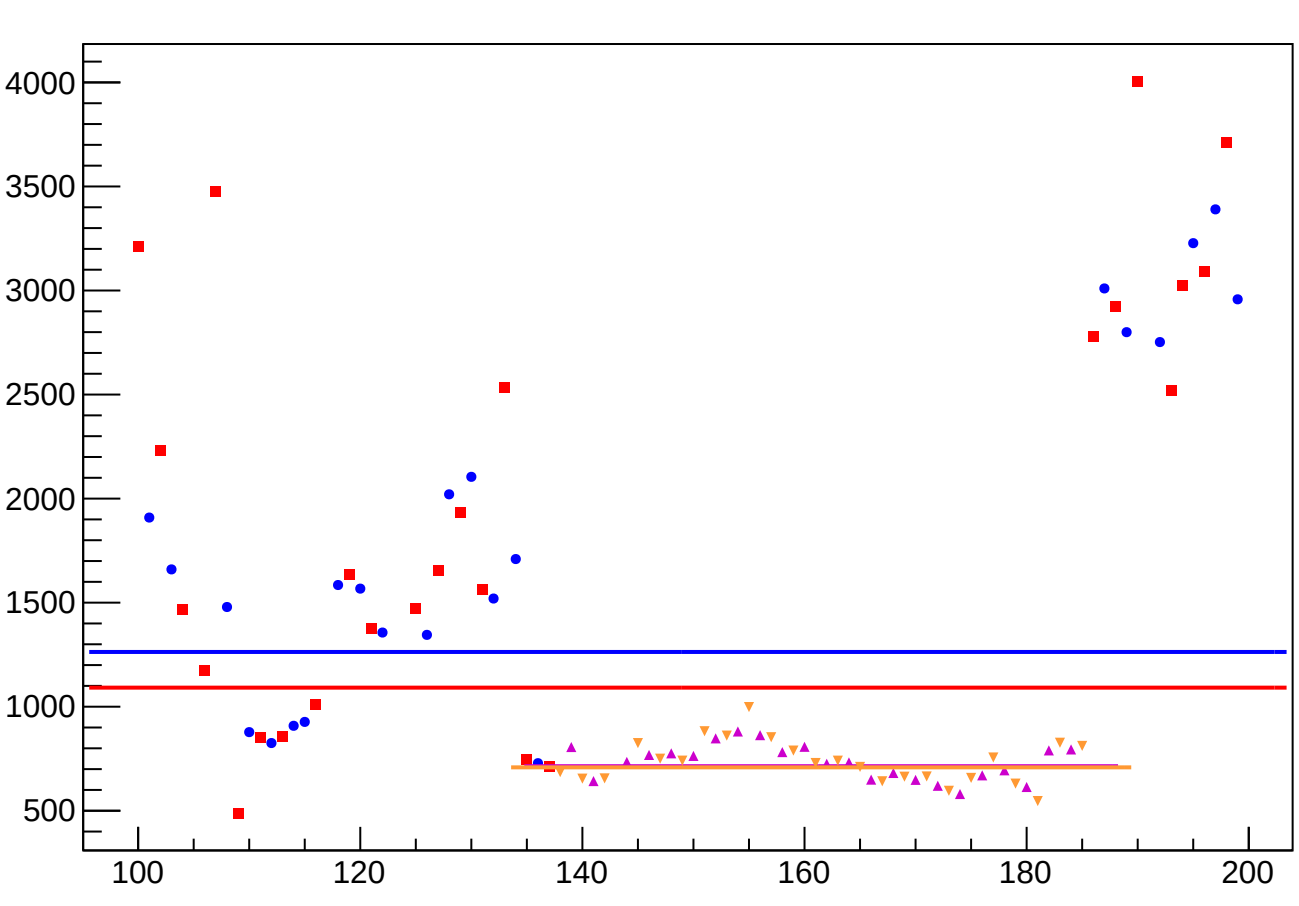
Right: 1817.153+/-0.265 χ^2/NDF: 411749.7/46

In: 1787.245+/-0.232 χ^2/NDF:324104.9/44

Out: 1787.906+/-0.228 χ^2/NDF:140535.0/48

All: 1787.581+/-0.163 χ^2/NDF: 464644.0/93


asym_us_dd_atlr_dd_avg_reg_correction_mean vs Slug, Sign Corrected
30000
25000
20000
15000
10000
5000
0
−5000
−10000
100
120
140
160
180
200
Right In: -776.971+/-423.046 χ²/NDF: 28.2/21
Left Out: -641.029+/-166.449 χ²/NDF:66.7/23
Right Out: 1022.763+/-377.634 χ²/NDF: 13.6/24
Left In: 230.653+/-168.319 χ²/NDF:19.9/22
Left: -210.057+/-118.353 χ²/NDF: 100.2/46
Right: 224.643+/-281.720 χ²/NDF: 51.9/46
In: 92.942+/-156.395 χ²/NDF:53.1/44
Out: -370.375+/-152.310 χ²/NDF:96.5/48
All: -144.846+/-109.115 χ²/NDF: 154.1/93



Right In: 1263.066+/-0.299 χ^2/NDF: 5025685.8/21

Left Out: 708.503+/-0.118 χ^2/NDF:700473.3/23

Right Out: 1091.595+/-0.267 χ^2/NDF: 7543959.9/24

Left In: 714.162+/-0.119 χ^2/NDF:497246.5/22

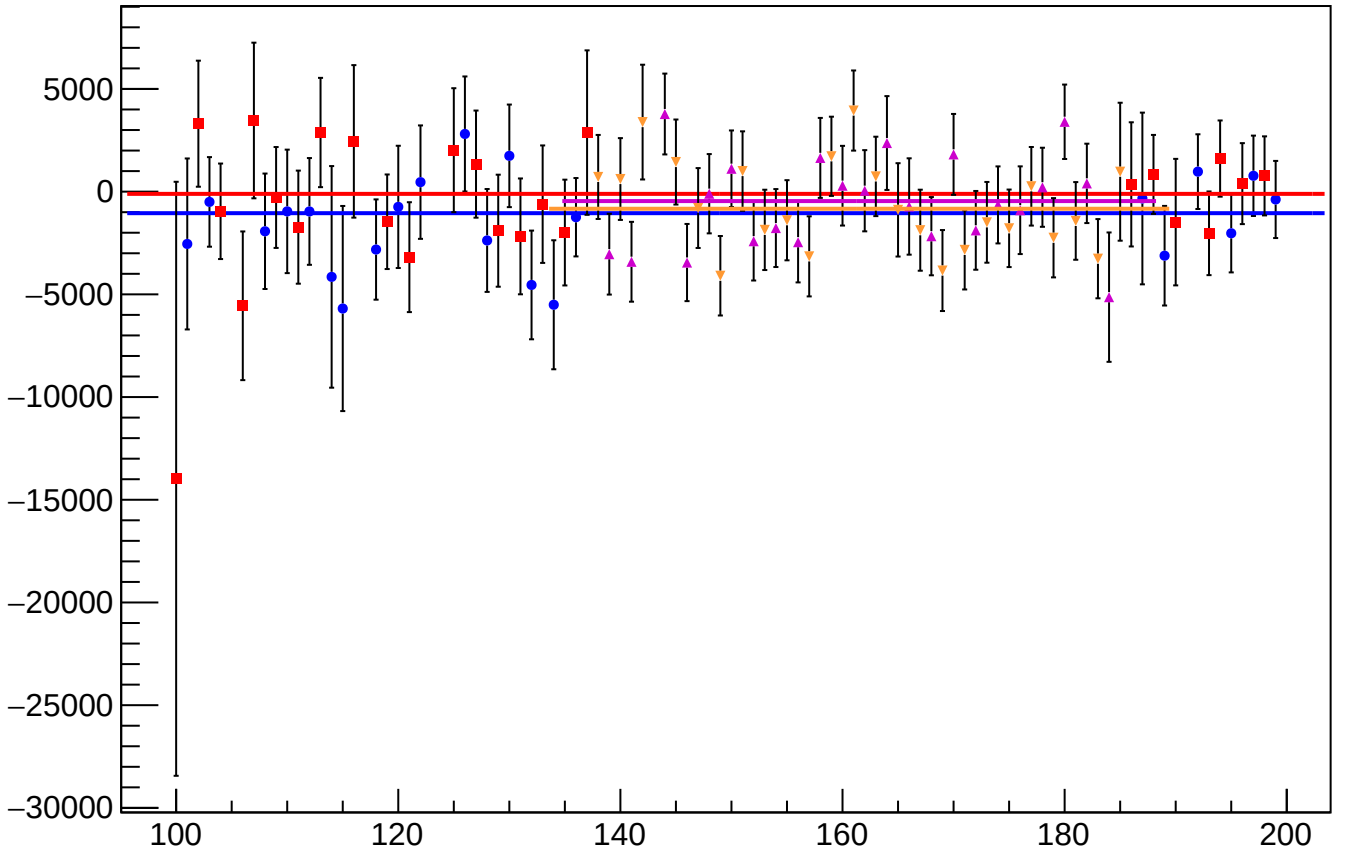
Left: 711.301+/-0.084 χ^2/NDF: 1198862.9/46

Right: 1167.637+/-0.199 χ^2/NDF: 12752511.0/46

In: 789.180+/-0.111 χ^2/NDF:8429806.7/44

Out: 770.821+/-0.108 χ^2/NDF:9967845.7/48

All: 779.758+/-0.077 χ^2/NDF: 18411796.9/93



Right In: -1048.099+/-537.884 χ^2/NDF: 12.8/21

Left Out: -832.476+/-410.448 χ^2/NDF:25.4/23

Right Out: -108.384+/-521.311 χ^2/NDF: 14.6/24

Left In: -459.554+/-413.637 χ^2/NDF:27.3/22

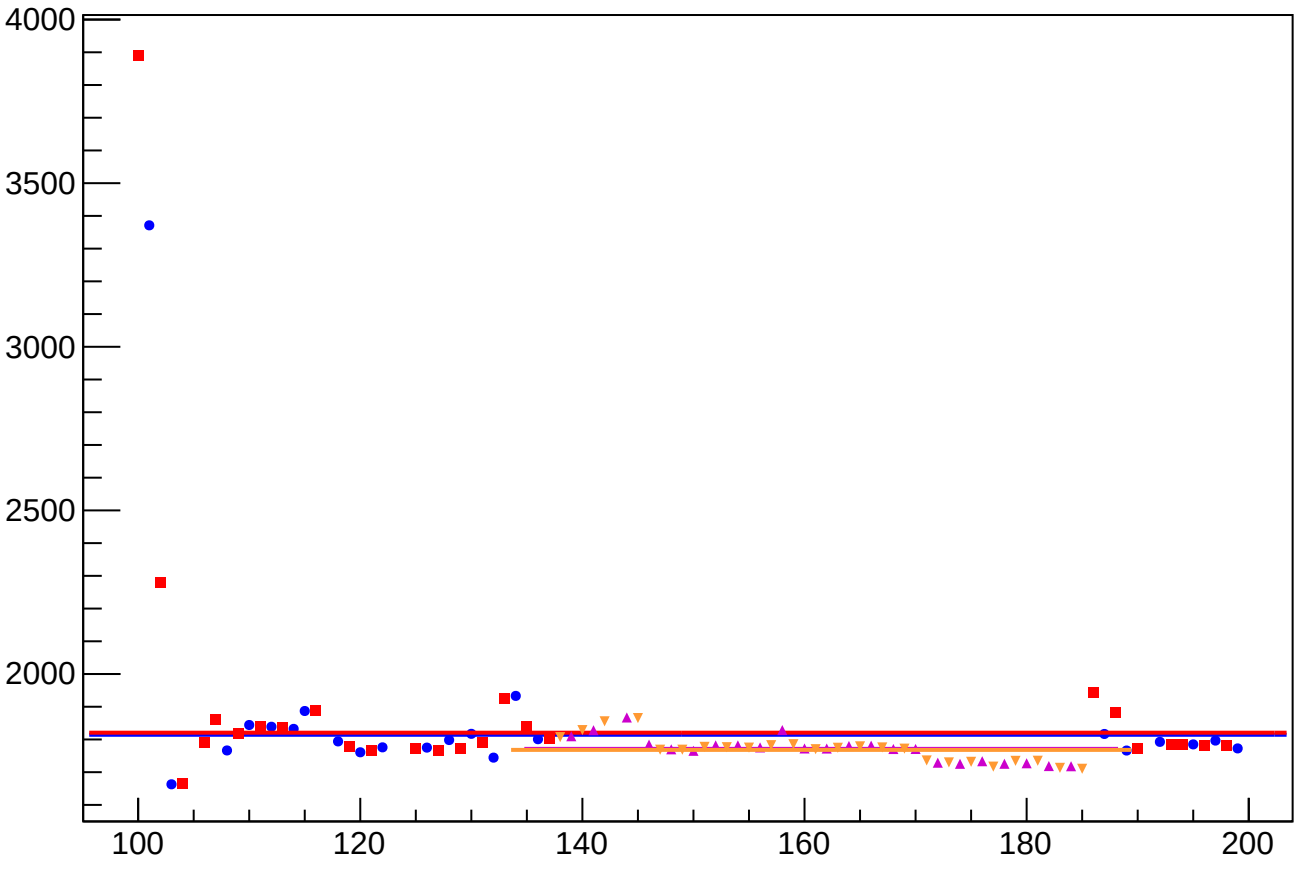
Left: -647.458+/-291.352 χ^2/NDF: 53.1/46

Right: -563.541+/-374.344 χ^2/NDF: 28.9/46

In: -678.264+/-327.894 χ^2/NDF:40.8/44

Out: -555.382+/-322.488 χ^2/NDF:41.2/48

All: -615.802+/-229.921 χ^2/NDF: 82.1/93



Right In: 1814.346+/-0.380 χ^2/NDF: 299601.0/21

Left Out: 1768.125+/-0.290 χ^2/NDF:16358.2/23

Right Out: 1820.697+/-0.369 χ^2/NDF: 111399.4/24

Left In: 1771.217+/-0.292 χ^2/NDF:16425.7/22

Left: 1769.659+/-0.206 χ^2/NDF: 32840.2/46

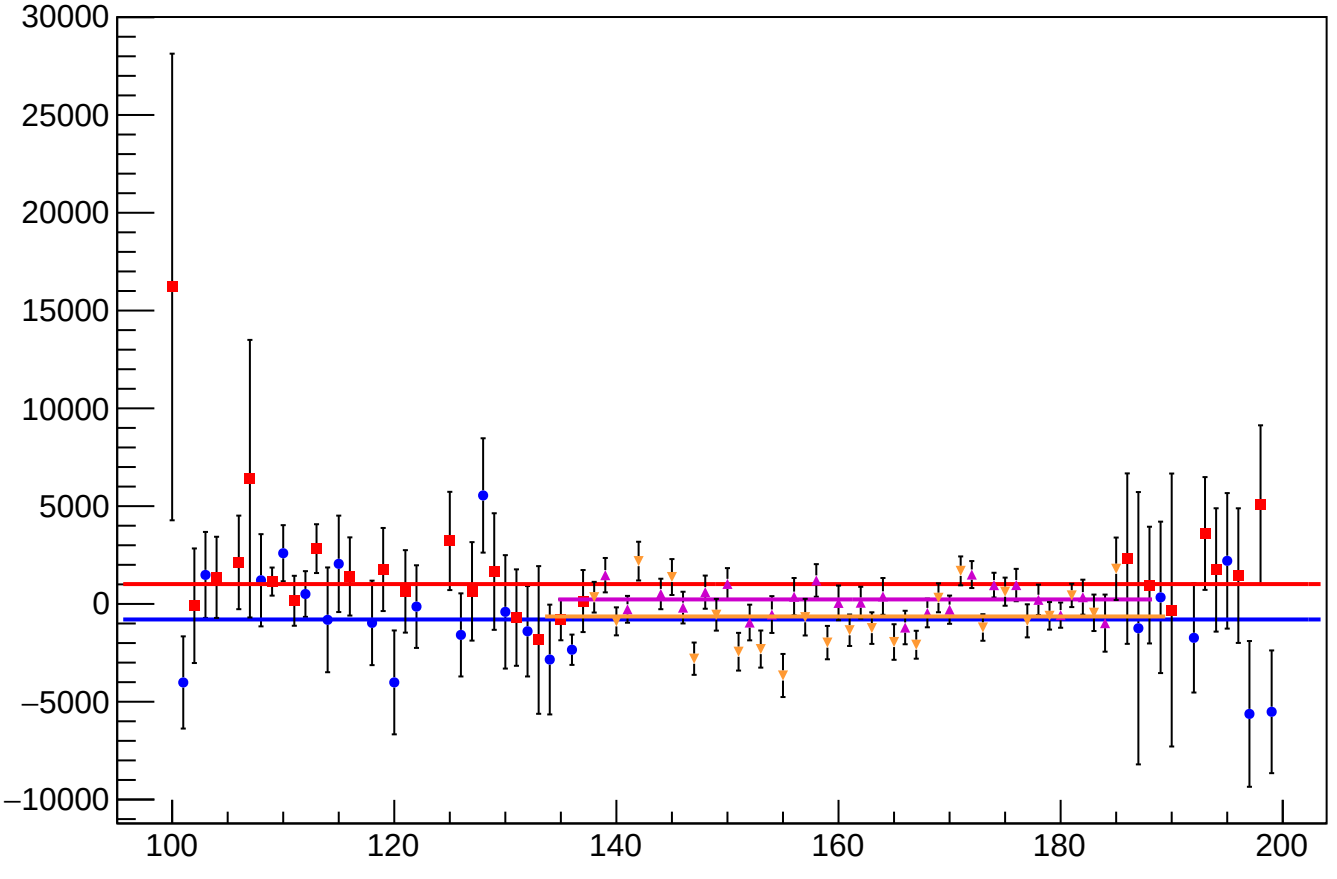
Right: 1817.621+/-0.265 χ^2/NDF: 411144.2/46

In: 1787.245+/-0.232 χ^2/NDF:324106.7/44

Out: 1788.243+/-0.228 χ^2/NDF:140313.4/48

All: 1787.752+/-0.163 χ^2/NDF: 464429.6/93

asym_us_dd_atlr_dd_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -794.181+/-423.370 χ^2/NDF: 27.7/21

Left Out: -641.004+/-166.450 χ^2/NDF:66.7/23

Right Out: 1015.334+/-378.866 χ^2/NDF: 12.6/24

Left In: 230.572+/-168.320 χ^2/NDF:19.9/22

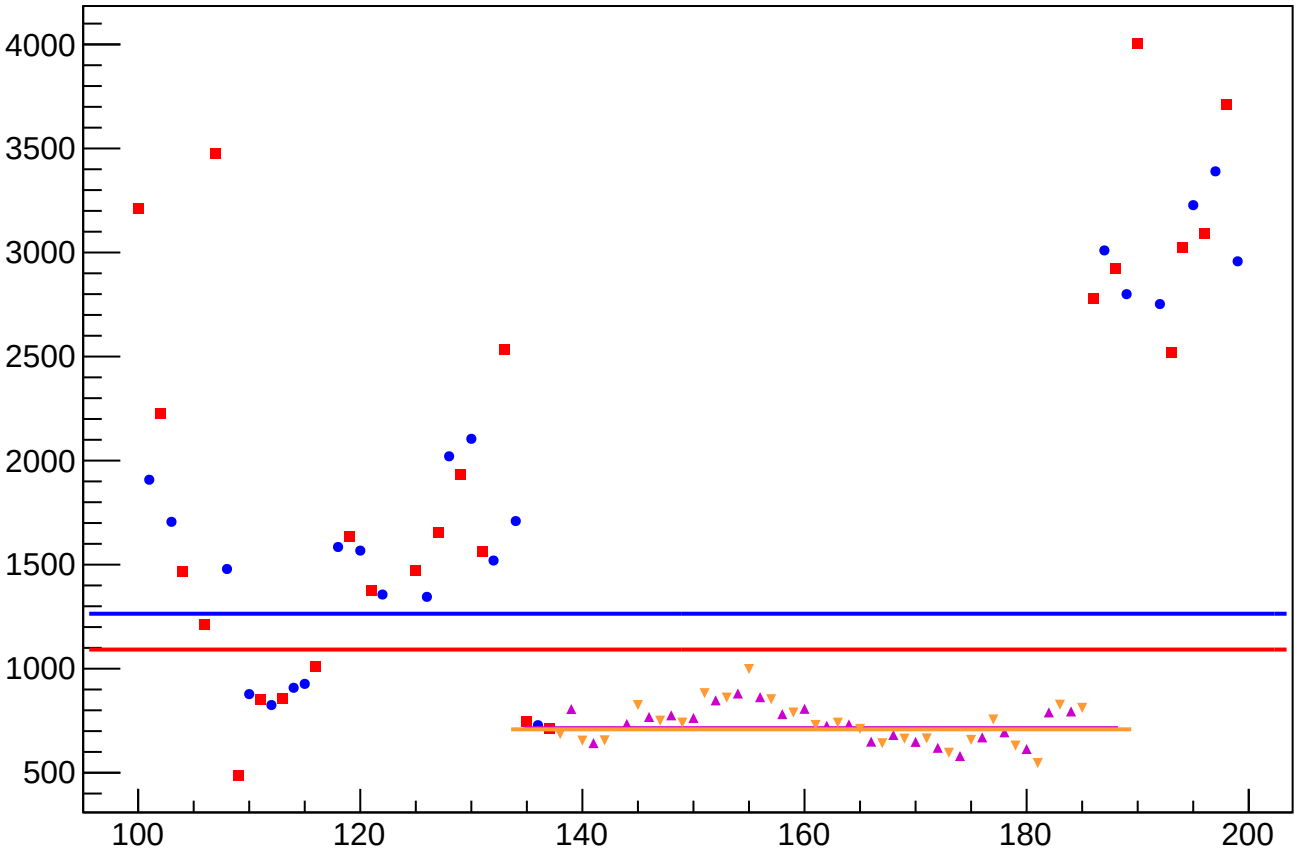
Left: -210.085+/-118.354 χ^2/NDF: 100.2/46

Right: 210.653+/-282.326 χ^2/NDF: 50.5/46

In: 90.704+/-156.412 χ^2/NDF:52.7/44

Out: -373.025+/-152.392 χ^2/NDF:95.3/48

All: -147.197+/-109.151 χ^2/NDF: 152.5/93



Right In: 1264.153+/-0.299 χ^2/NDF: 5038547.2/21

Left Out: 708.508+/-0.118 χ^2/NDF:700448.7/23

Right Out: 1091.985+/-0.268 χ^2/NDF: 7544877.1/24

Left In: 714.168+/-0.119 χ^2/NDF:497252.3/22

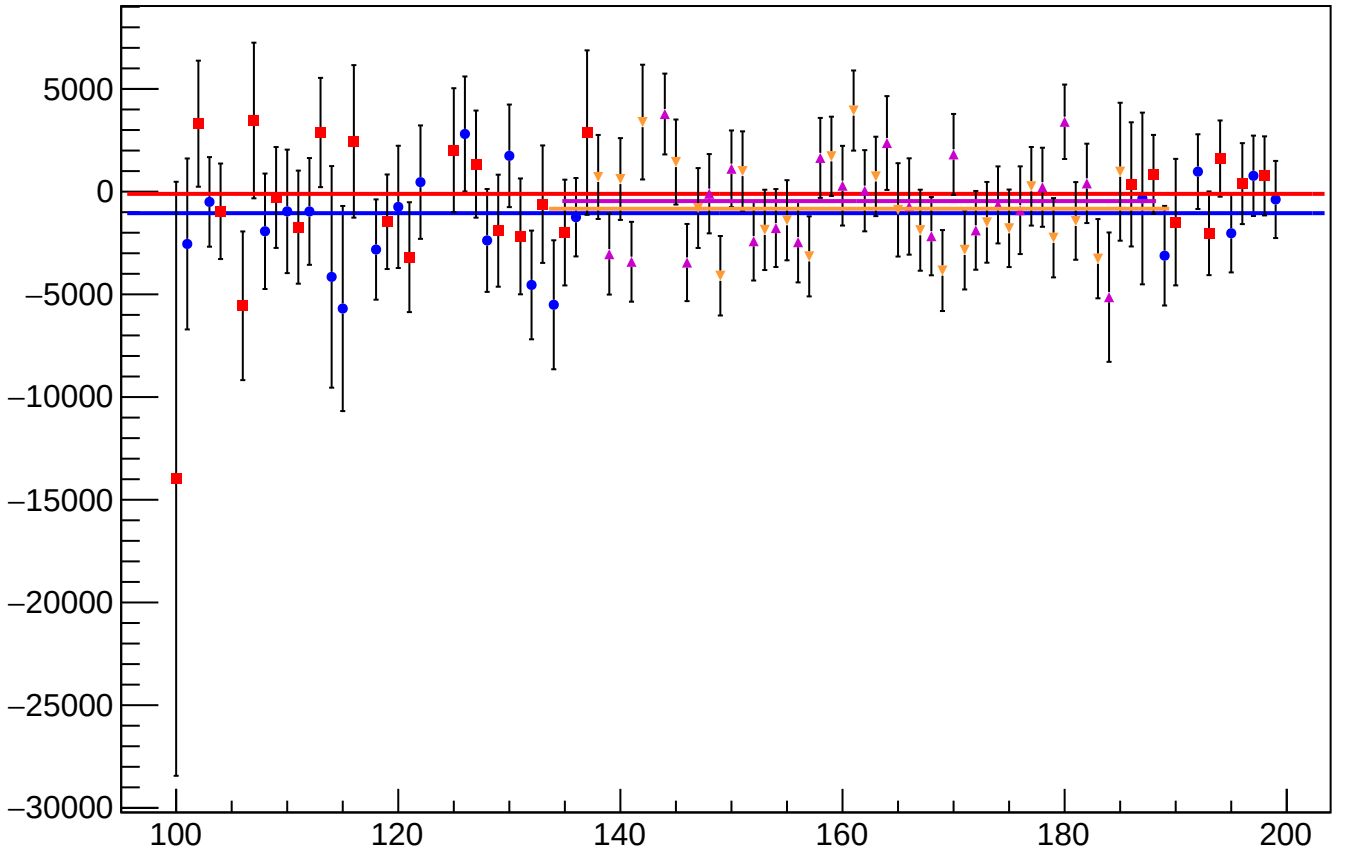
Left: 711.307+/-0.084 χ^2/NDF: 1198844.2/46

Right: 1168.547+/-0.200 χ^2/NDF: 12767090.5/46

In: 789.235+/-0.111 χ^2/NDF:8450266.6/44

Out: 770.551+/-0.108 χ^2/NDF:9962798.1/48

All: 779.650+/-0.077 χ^2/NDF: 18427706.0/93



Right In: -1048.099+/-537.884 χ^2/NDF: 12.8/21

Left Out: -832.476+/-410.448 χ^2/NDF:25.4/23

Right Out: -108.384+/-521.311 χ^2/NDF: 14.6/24

Left In: -459.554+/-413.637 χ^2/NDF:27.3/22

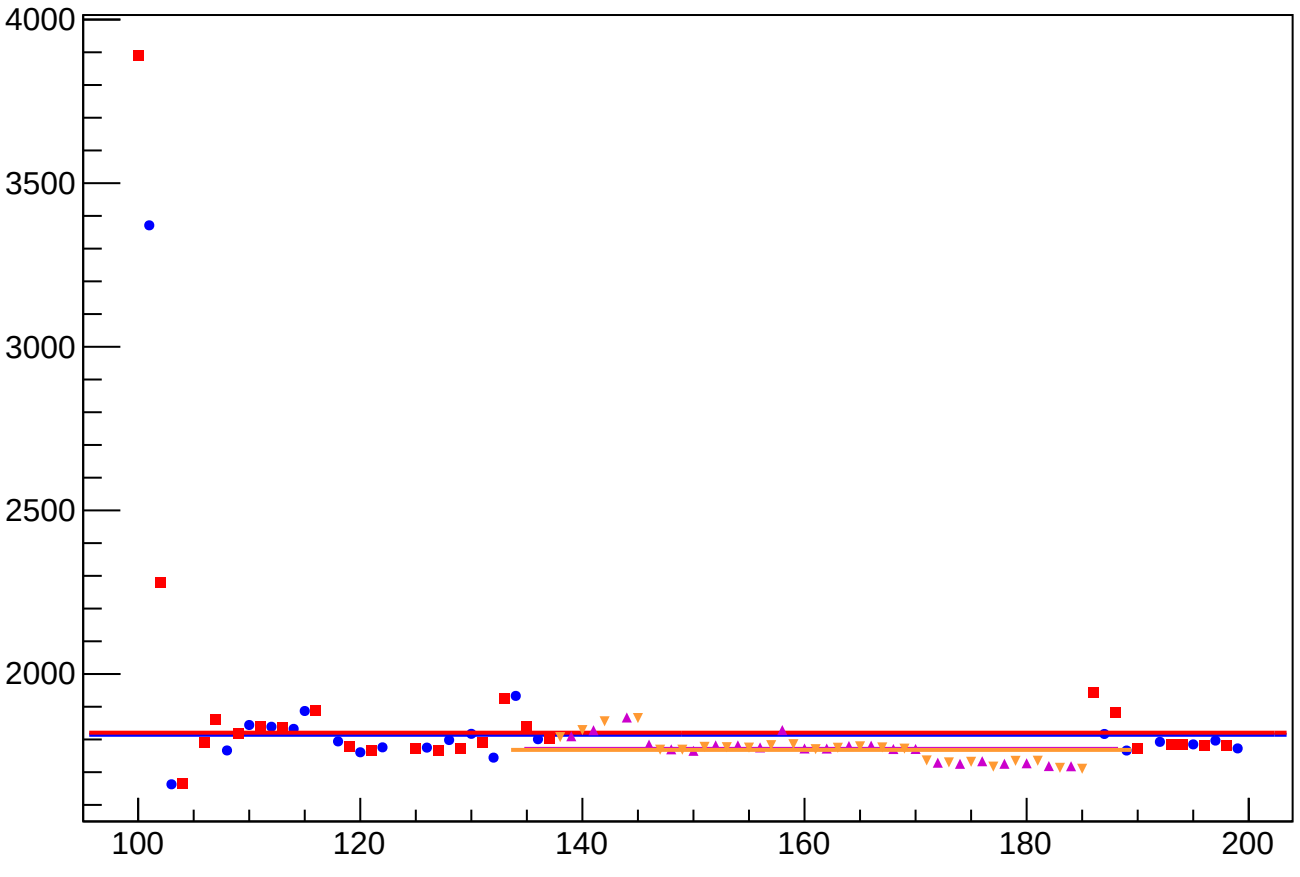
Left: -647.458+/-291.352 χ^2/NDF: 53.1/46

Right: -563.541+/-374.344 χ^2/NDF: 28.9/46

In: -678.264+/-327.894 χ^2/NDF:40.8/44

Out: -555.382+/-322.488 χ^2/NDF:41.2/48

All: -615.802+/-229.921 χ^2/NDF: 82.1/93



Right In: 1814.346+/-0.380 χ^2/NDF: 299601.0/21

Left Out: 1768.125+/-0.290 χ^2/NDF:16358.2/23

Right Out: 1820.697+/-0.369 χ^2/NDF: 111399.4/24

Left In: 1771.217+/-0.292 χ^2/NDF:16425.7/22

Left: 1769.659+/-0.206 χ^2/NDF: 32840.2/46

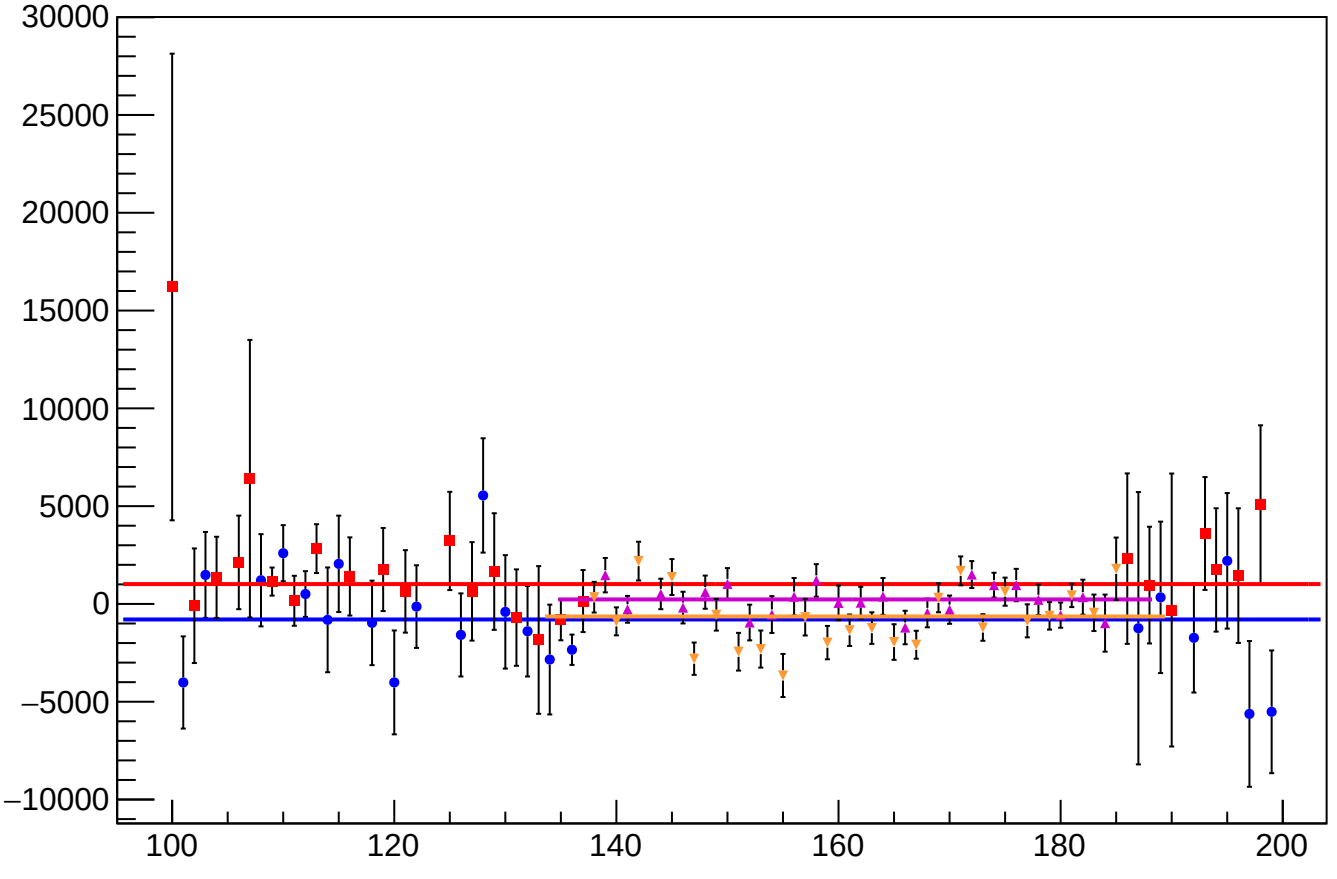
Right: 1817.621+/-0.265 χ^2/NDF: 411144.2/46

In: 1787.245+/-0.232 χ^2/NDF:324106.7/44

Out: 1788.243+/-0.228 χ^2/NDF:140313.4/48

All: 1787.752+/-0.163 χ^2/NDF: 464429.6/93

asym_us_dd_atlr_dd_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -794.181+/-423.370 χ^2/NDF: 27.7/21

Left Out: -641.004+/-166.450 χ^2/NDF:66.7/23

Right Out: 1015.334+/-378.866 χ^2/NDF: 12.6/24

Left In: 230.572+/-168.320 χ^2/NDF:19.9/22

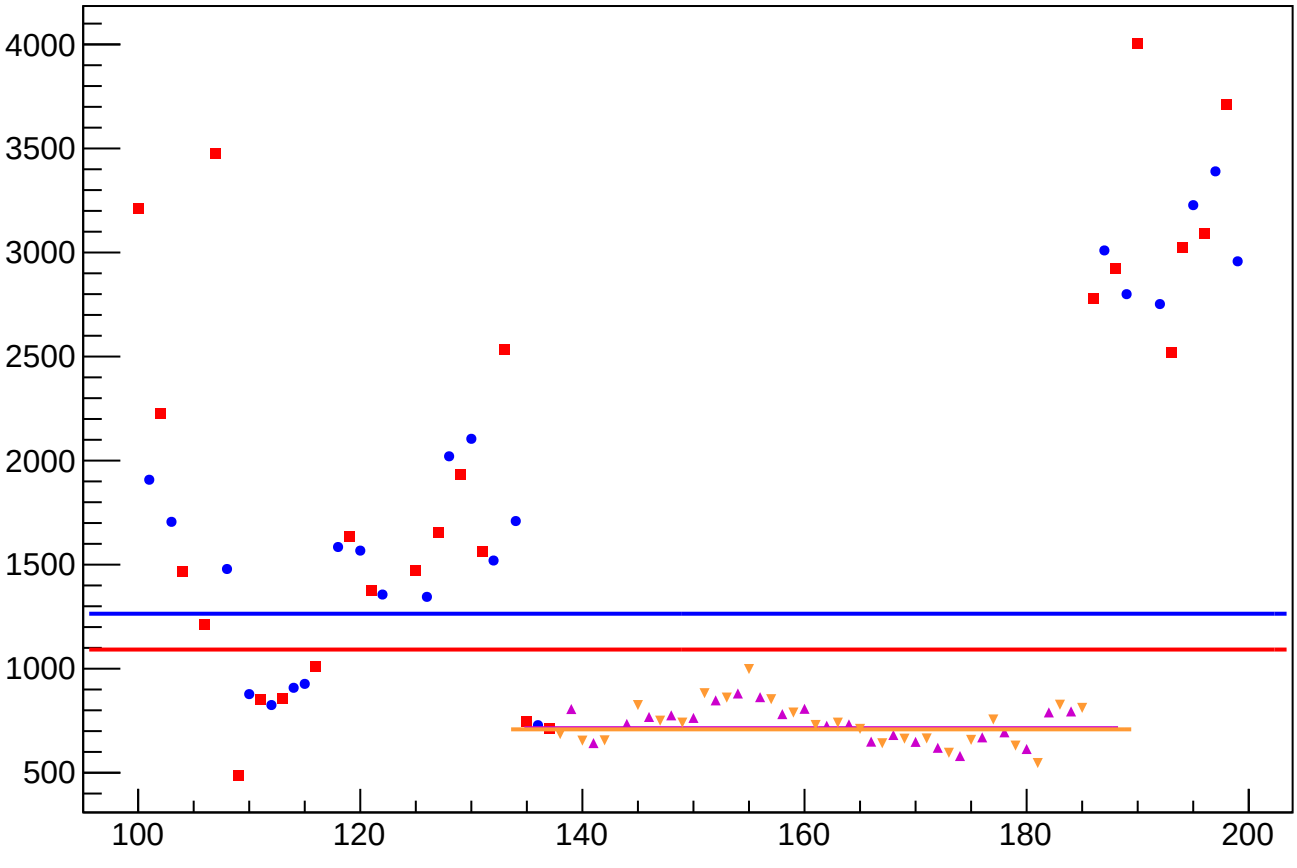
Left: -210.085+/-118.354 χ^2/NDF: 100.2/46

Right: 210.653+/-282.326 χ^2/NDF: 50.5/46

In: 90.704+/-156.412 χ^2/NDF:52.7/44

Out: -373.025+/-152.392 χ^2/NDF:95.3/48

All: -147.197+/-109.151 χ^2/NDF: 152.5/93



Right In: 1264.153+/-0.299 χ^2/NDF: 5038547.2/21

Left Out: 708.508+/-0.118 χ^2/NDF:700448.7/23

Right Out: 1091.985+/-0.268 χ^2/NDF: 7544877.1/24

Left In: 714.168+/-0.119 χ^2/NDF:497252.3/22

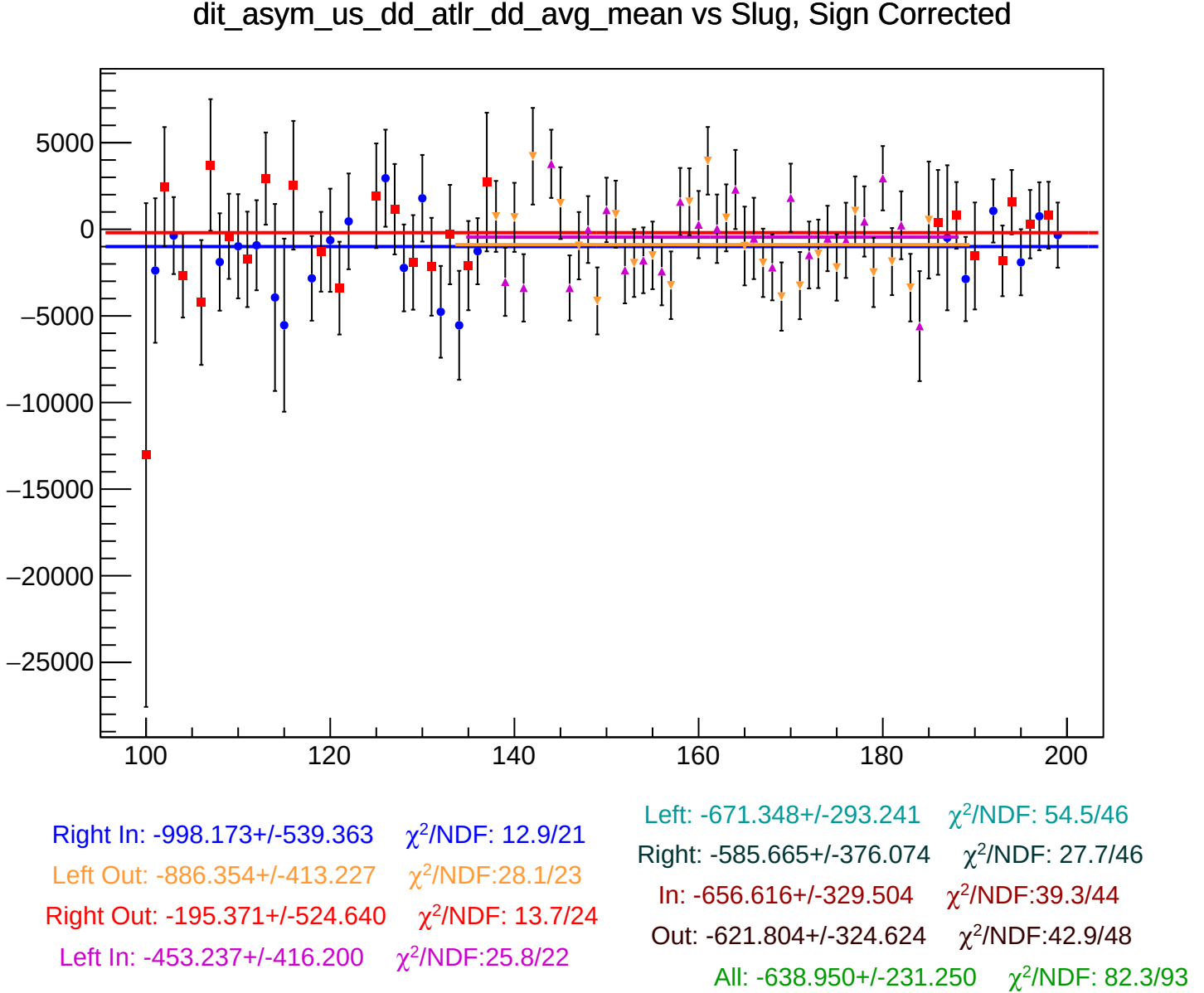
Left: 711.307+/-0.084 χ^2/NDF: 1198844.2/46

Right: 1168.547+/-0.200 χ^2/NDF: 12767090.5/46

In: 789.235+/-0.111 χ^2/NDF:8450266.6/44

Out: 770.551+/-0.108 χ^2/NDF:9962798.1/48

All: 779.650+/-0.077 χ^2/NDF: 18427706.0/93


dit_asym_us_dd_atlr_dd_avg_mean vs Slug, Sign Corrected
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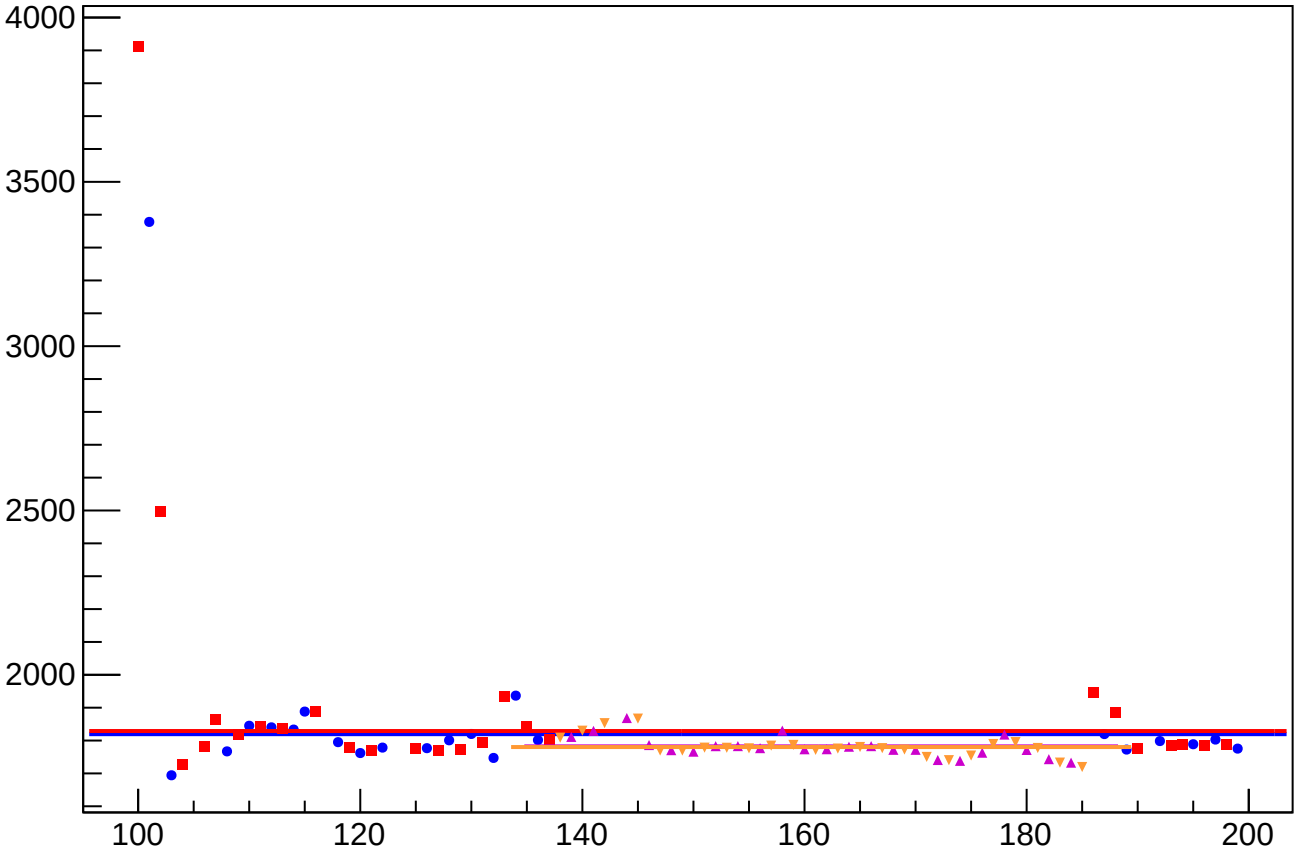
−10000
−15000
−20000
−25000
100
120
140
160
180
200
Right In: -998.173+/-539.363 χ²/NDF: 12.9/21
Left Out: -886.354+/-413.227 χ²/NDF:28.1/23
Right Out: -195.371+/-524.640 χ²/NDF: 13.7/24
Left In: -453.237+/-416.200 χ²/NDF:25.8/22
Left: -671.348+/-293.241 χ²/NDF: 54.5/46
Right: -585.665+/-376.074 χ²/NDF: 27.7/46
In: -656.616+/-329.504 χ²/NDF:39.3/44
Out: -621.804+/-324.624 χ²/NDF:42.9/48
All: -638.950+/-231.250 χ²/NDF: 82.3/93



Right In: 1819.409+/-0.381 χ^2/NDF: 296208.4/21

Left Out: 1780.220+/-0.292 χ^2/NDF:10380.2/23

Right Out: 1828.951+/-0.371 χ^2/NDF: 137681.9/24

Left In: 1782.298+/-0.294 χ^2/NDF:11232.1/22

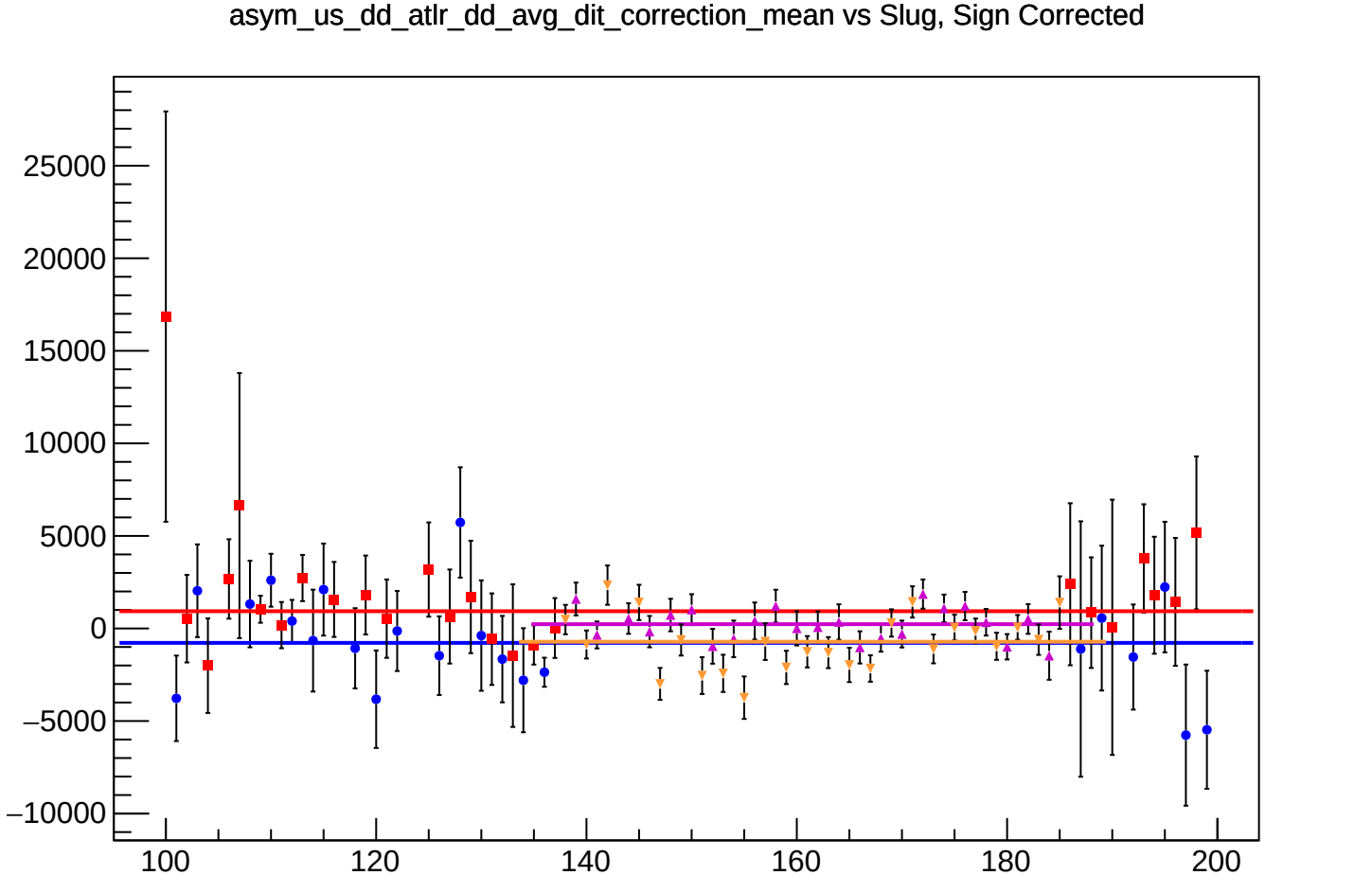
Left: 1781.252+/-0.207 χ^2/NDF: 21637.4/46

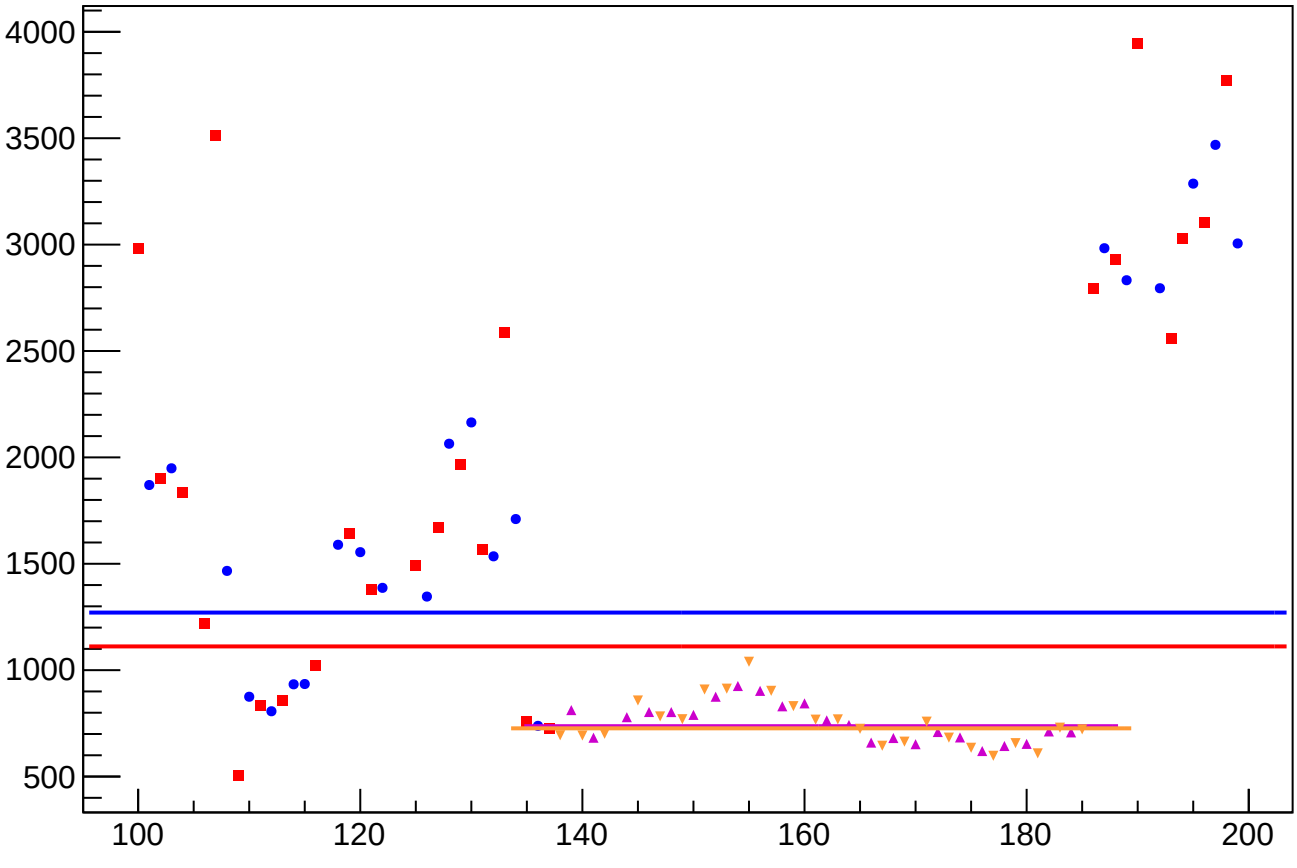
Right: 1824.312+/-0.266 χ^2/NDF: 434211.9/46

In: 1796.148+/-0.233 χ^2/NDF:313375.0/44

Out: 1798.877+/-0.230 χ^2/NDF:158710.7/48

All: 1797.533+/-0.164 χ^2/NDF: 472155.3/93


asym_us_dd_atlr_dd_avg_dit_correction_mean vs Slug, Sign Corrected
25000
20000
15000
10000
5000
0
−5000
−10000
100
120
140
160
180
200
Right In: -778.179+/-426.888 χ²/NDF: 27.6/21
Left Out: -716.600+/-170.602 χ²/NDF:59.4/23
Right Out: 931.899+/-381.154 χ²/NDF: 14.6/24
Left In: 231.320+/-173.436 χ²/NDF:24.1/22
Left: -250.446+/-121.623 χ²/NDF: 98.6/46
Right: 173.339+/-284.316 χ²/NDF: 51.1/46
In: 88.297+/-160.681 χ²/NDF:56.5/44
Out: -441.460+/-155.716 χ²/NDF:89.5/48
All: -184.892+/-111.822 χ²/NDF: 151.6/93



Right In: 1270.655+/-0.302 χ^2/NDF: 5164394.0/21

Left Out: 726.604+/-0.121 χ^2/NDF:684784.1/23

Right Out: 1111.611+/-0.270 χ^2/NDF: 7480417.1/24

Left In: 736.709+/-0.123 χ^2/NDF:465041.6/22

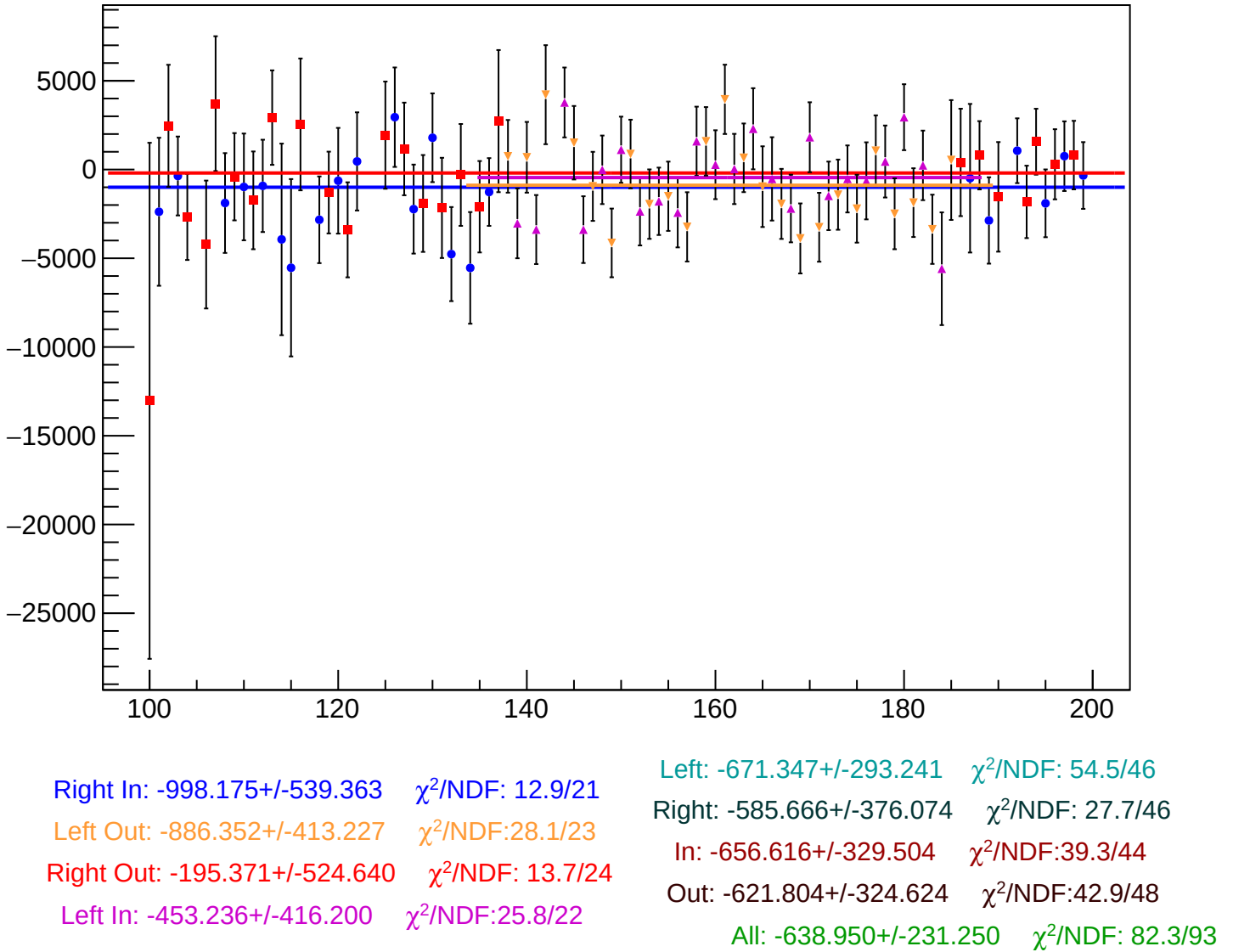
Left: 731.574+/-0.086 χ^2/NDF: 1153276.2/46

Right: 1182.160+/-0.201 χ^2/NDF: 12799280.1/46

In: 812.357+/-0.114 χ^2/NDF:8315071.1/44

Out: 790.863+/-0.110 χ^2/NDF:9865244.3/48

All: 801.273+/-0.079 χ^2/NDF: 18198770.8/93


eigen_dit_asym_us_dd_atlr_dd_avg_mean vs Slug, Sign Corrected
5000
0
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−15000
−20000
−25000
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120
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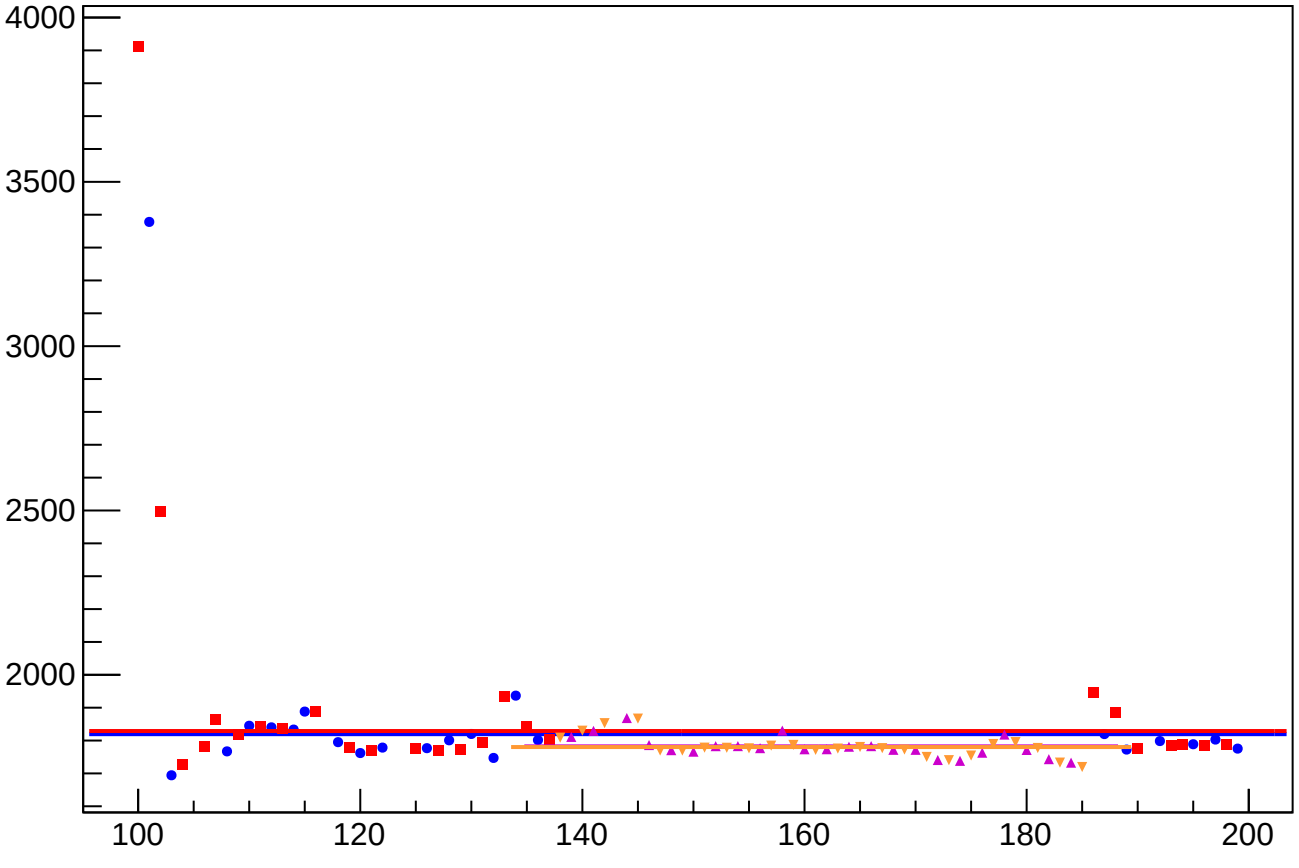
Right In: -998.175+/-539.363 χ²/NDF: 12.9/21
Left Out: -886.352+/-413.227 χ²/NDF:28.1/23
Right Out: -195.371+/-524.640 χ²/NDF: 13.7/24
Left In: -453.236+/-416.200 χ²/NDF:25.8/22
Left: -671.347+/-293.241 χ²/NDF: 54.5/46
Right: -585.666+/-376.074 χ²/NDF: 27.7/46
In: -656.616+/-329.504 χ²/NDF:39.3/44
Out: -621.804+/-324.624 χ²/NDF:42.9/48
All: -638.950+/-231.250 χ²/NDF: 82.3/93



Right In: 1819.409+/-0.381 χ^2/NDF: 296208.4/21

Left Out: 1780.220+/-0.292 χ^2/NDF:10380.2/23

Right Out: 1828.951+/-0.371 χ^2/NDF: 137681.9/24

Left In: 1782.298+/-0.294 χ^2/NDF:11232.1/22

Left: 1781.252+/-0.207 χ^2/NDF: 21637.4/46

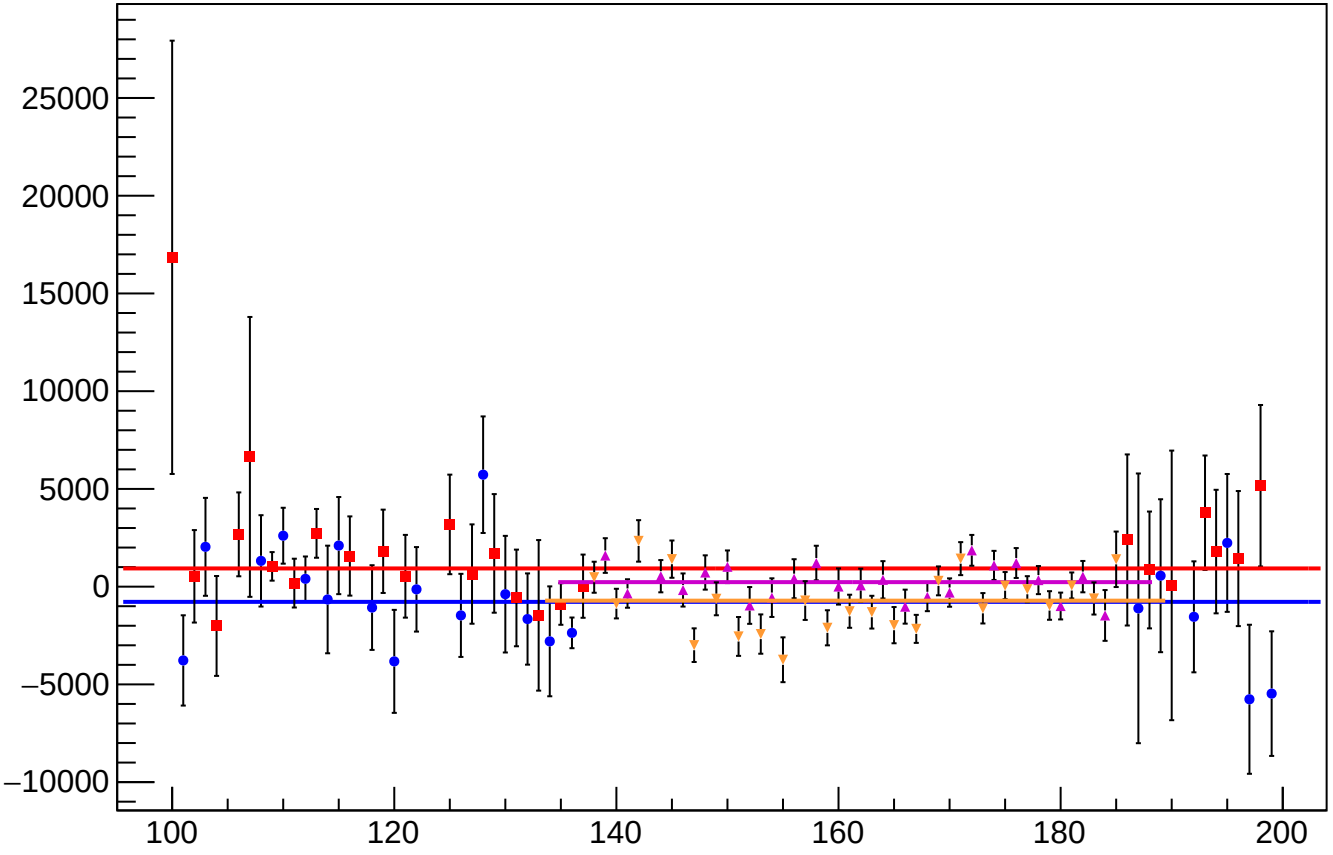
Right: 1824.312+/-0.266 χ^2/NDF: 434212.0/46

In: 1796.148+/-0.233 χ^2/NDF:313375.0/44

Out: 1798.877+/-0.230 χ^2/NDF:158710.9/48

All: 1797.533+/-0.164 χ^2/NDF: 472155.5/93

asym_us_dd_atlr_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -778.167+/-426.888 χ^2/NDF: 27.6/21

Left Out: -716.601+/-170.602 χ^2/NDF:59.4/23

Right Out: 931.905+/-381.154 χ^2/NDF: 14.6/24

Left In: 231.318+/-173.435 χ^2/NDF:24.1/22

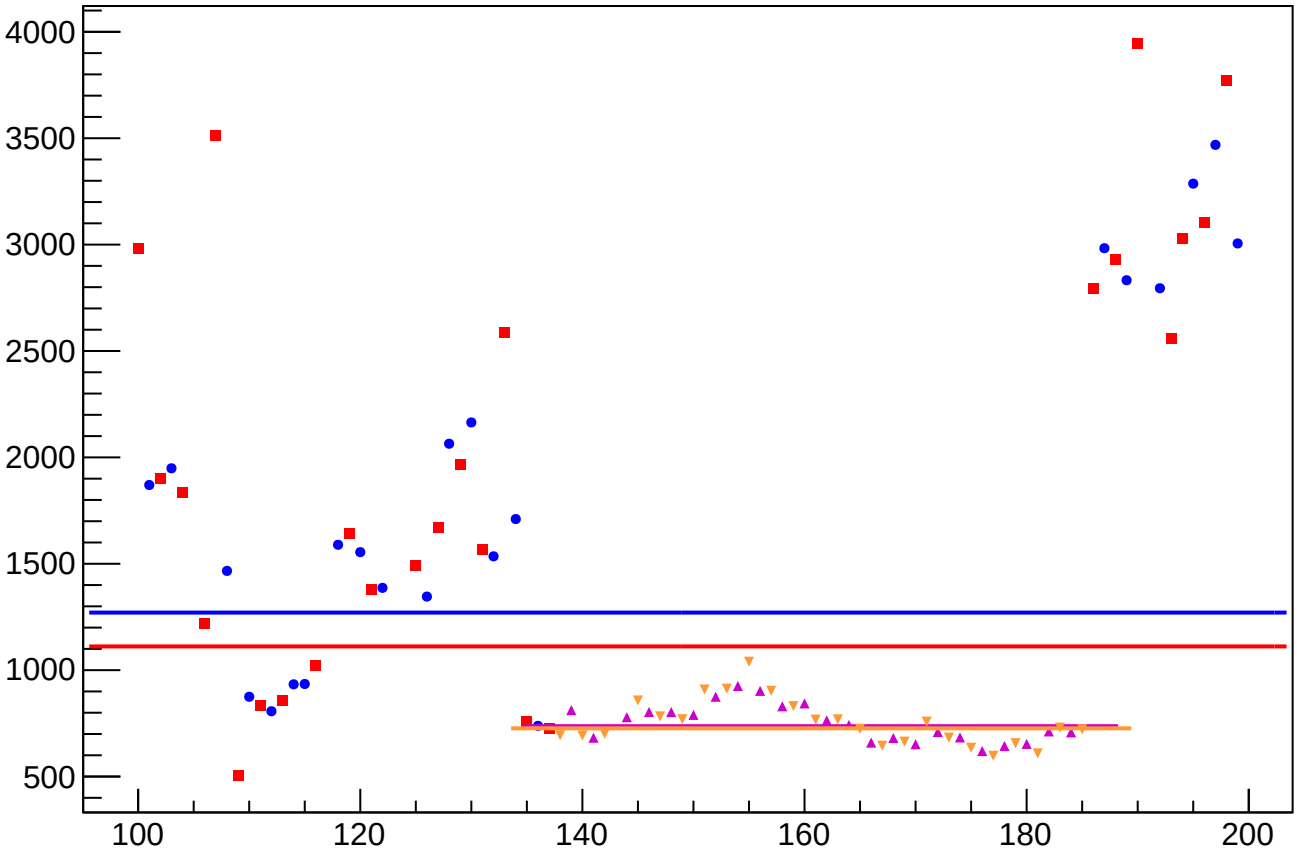
Left: -250.447+/-121.623 χ^2/NDF: 98.6/46

Right: 173.348+/-284.316 χ^2/NDF: 51.1/46

In: 88.298+/-160.681 χ^2/NDF:56.5/44

Out: -441.460+/-155.716 χ^2/NDF:89.5/48

All: -184.892+/-111.822 χ^2/NDF: 151.6/93



Right In: 1270.658+/-0.302 χ^2/NDF: 5164345.9/21

Left Out: 726.605+/-0.121 χ^2/NDF:684780.2/23

Right Out: 1111.613+/-0.270 χ^2/NDF: 7480377.5/24

Left In: 736.709+/-0.123 χ^2/NDF:465053.4/22

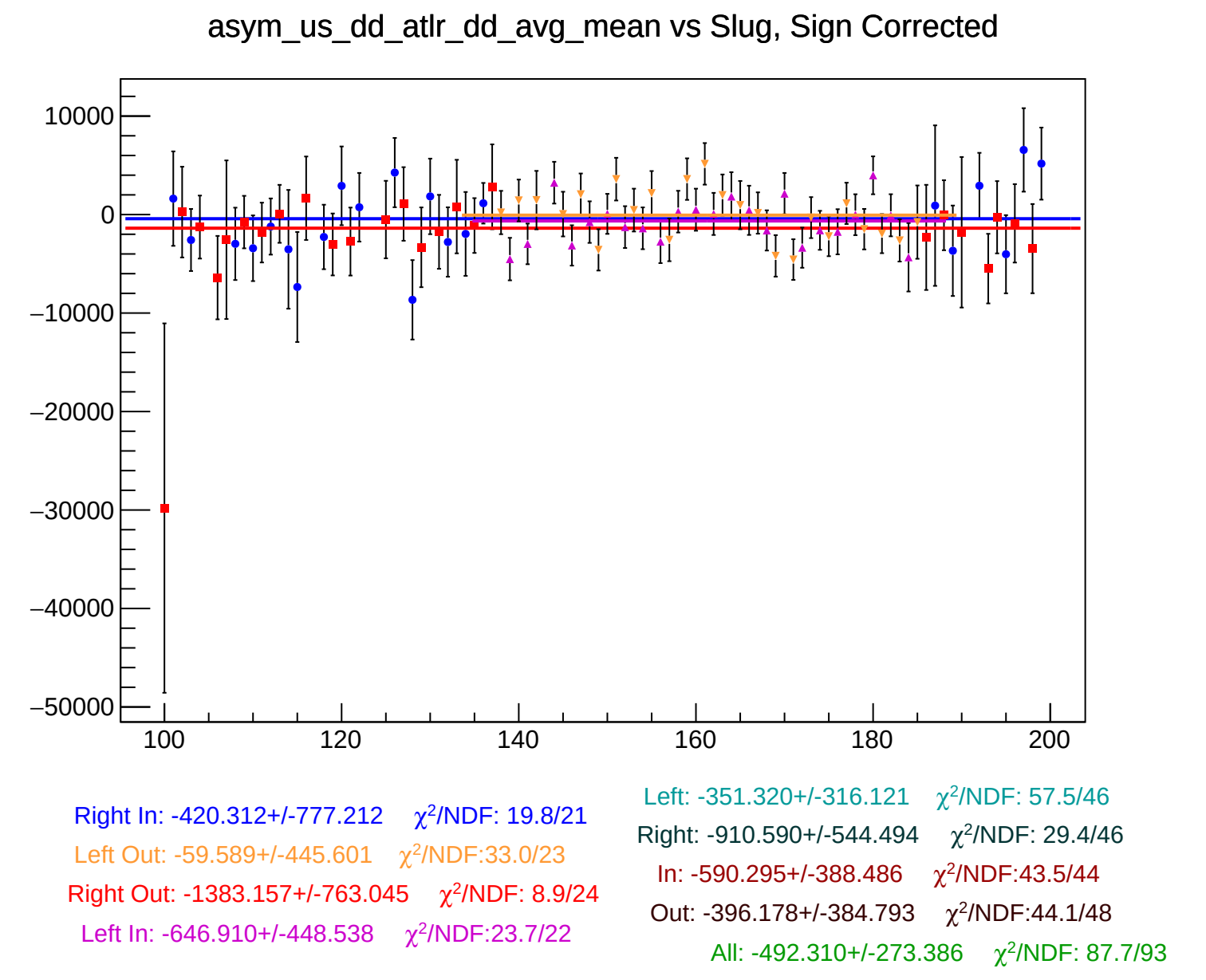
Left: 731.574+/-0.086 χ^2/NDF: 1153283.6/46

Right: 1182.163+/-0.201 χ^2/NDF: 12799192.8/46

In: 812.357+/-0.114 χ^2/NDF:8315066.1/44

Out: 790.864+/-0.110 χ^2/NDF:9865218.2/48

All: 801.273+/-0.079 χ^2/NDF: 18198738.4/93


asym_us_dd_atlr_dd_avg_mean vs Slug, Sign Corrected
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−30000
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−50000
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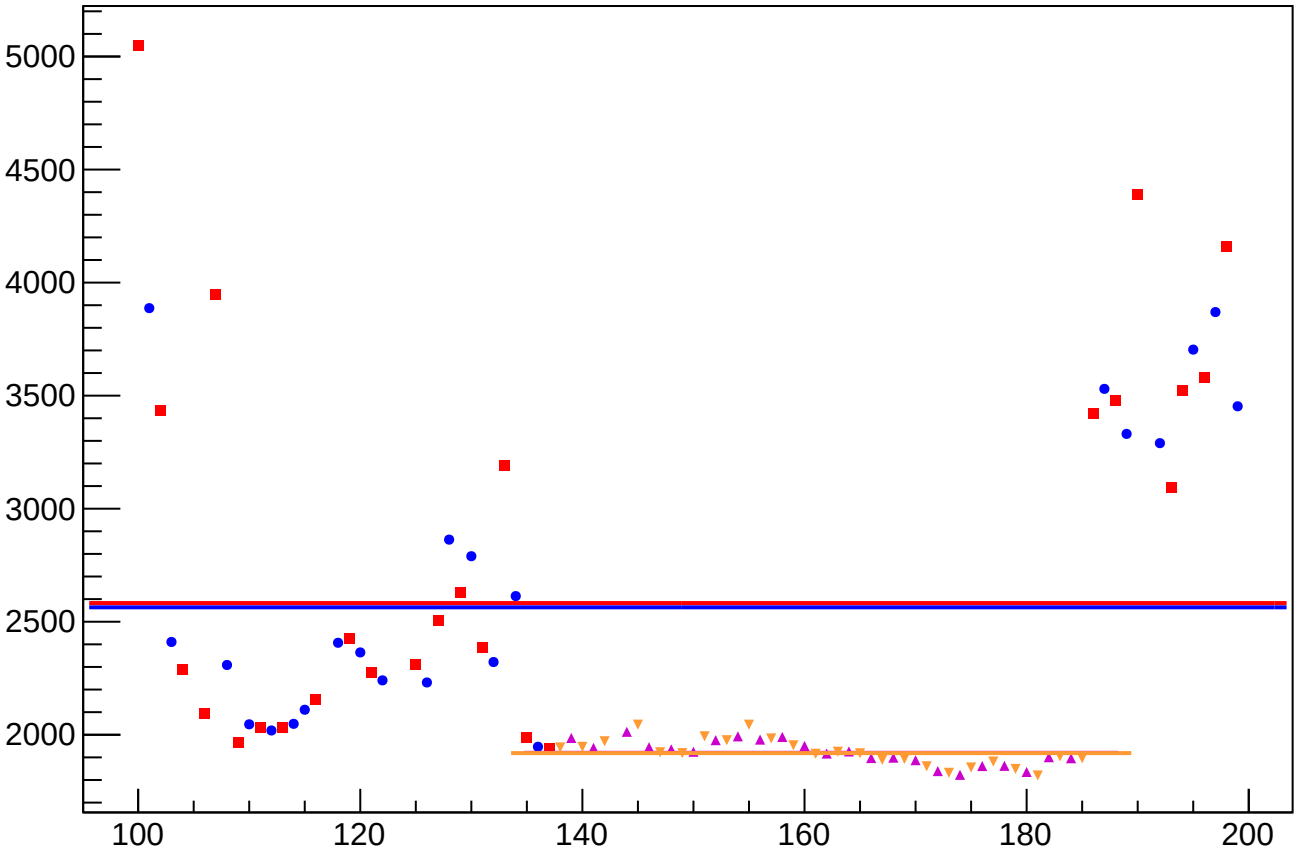
Right In: -420.312+/-777.212 χ²/NDF: 19.8/21
Left Out: -59.589+/-445.601 χ²/NDF:33.0/23
Right Out: -1383.157+/-763.045 χ²/NDF: 8.9/24
Left In: -646.910+/-448.538 χ²/NDF:23.7/22
Left: -351.320+/-316.121 χ²/NDF: 57.5/46
Right: -910.590+/-544.494 χ²/NDF: 29.4/46
In: -590.295+/-388.486 χ²/NDF:43.5/44
Out: -396.178+/-384.793 χ²/NDF:44.1/48
All: -492.310+/-273.386 χ²/NDF: 87.7/93



Right In: 2563.767+/-0.550 χ^2/NDF: 1217832.3/21

Left Out: 1918.975+/-0.315 χ^2/NDF:35574.5/23

Right Out: 2582.616+/-0.540 χ^2/NDF: 1503654.7/24

Left In: 1920.214+/-0.317 χ^2/NDF:29912.0/22

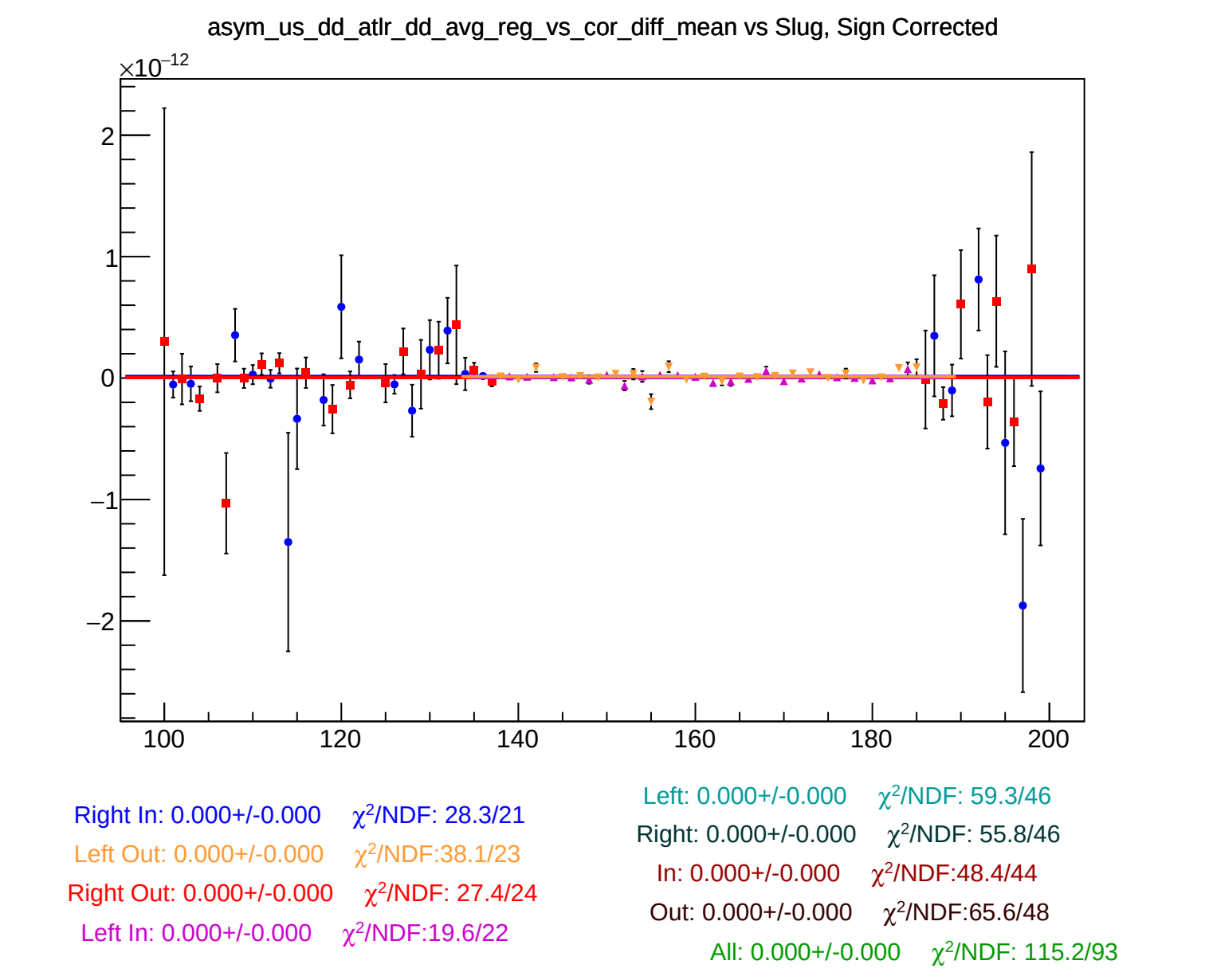
Left: 1919.591+/-0.224 χ^2/NDF: 65494.2/46

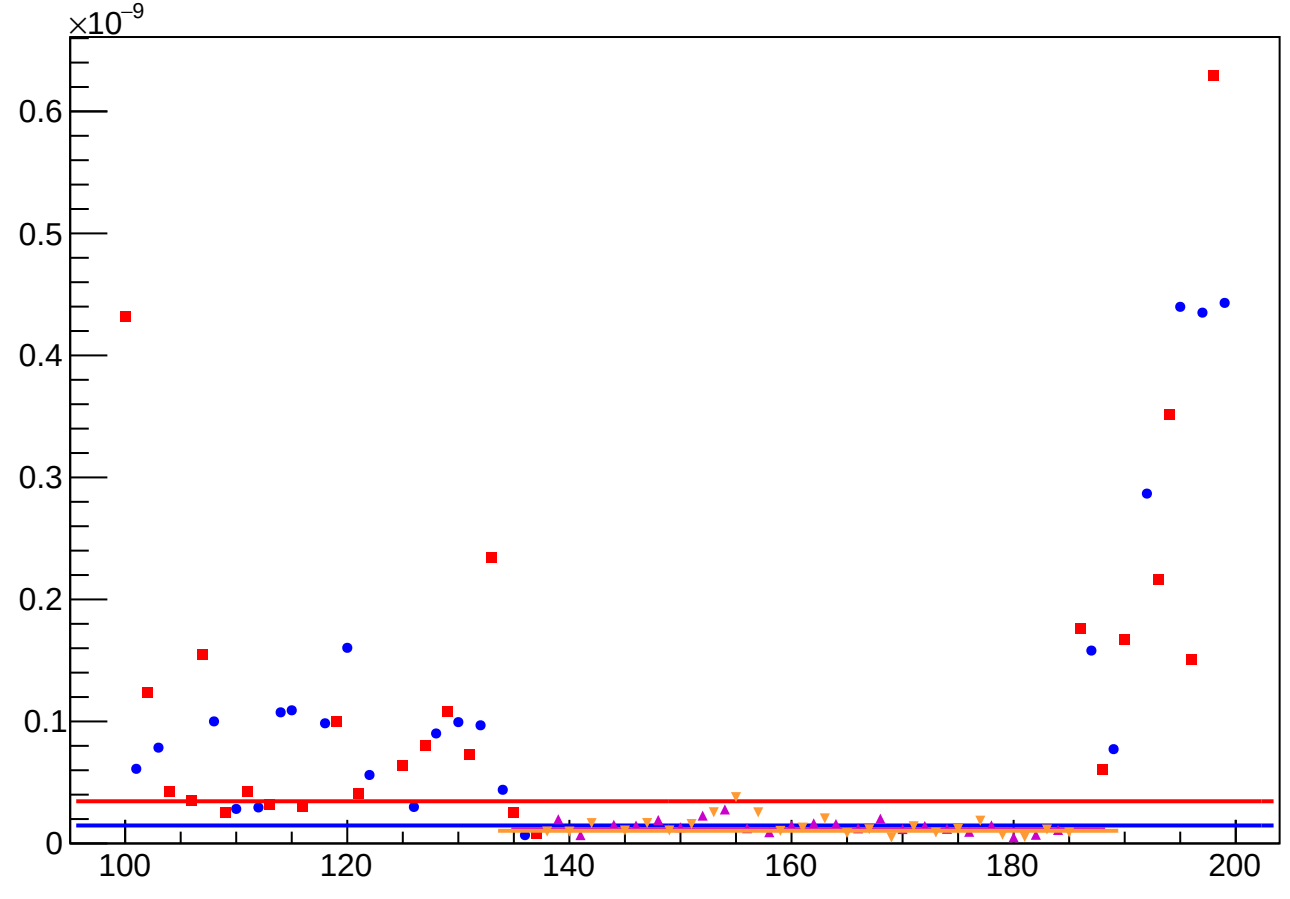
Right: 2573.365+/-0.385 χ^2/NDF: 2722086.0/46

In: 2081.004+/-0.275 χ^2/NDF:2276403.8/44

Out: 2087.744+/-0.272 χ^2/NDF:2667364.1/48

All: 2084.406+/-0.193 χ^2/NDF: 4944071.8/93


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: 28.3/21
Left Out: 0.000+/-0.000 χ²/NDF:38.1/23
Right Out: 0.000+/-0.000 χ²/NDF: 27.4/24
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: 55.8/46
In: 0.000+/-0.000 χ²/NDF:48.4/44
Out: 0.000+/-0.000 χ²/NDF:65.6/48
All: 0.000+/-0.000 χ²/NDF: 115.2/93



Right In: 0.000+/-0.000 χ^2/NDF: 6848635.6/21

Left Out: 0.000+/-0.000 χ^2/NDF:2075235.5/23

Right Out: 0.000+/-0.000 χ^2/NDF: 5005005.5/24

Left In: 0.000+/-0.000 χ^2/NDF:1894438.8/22

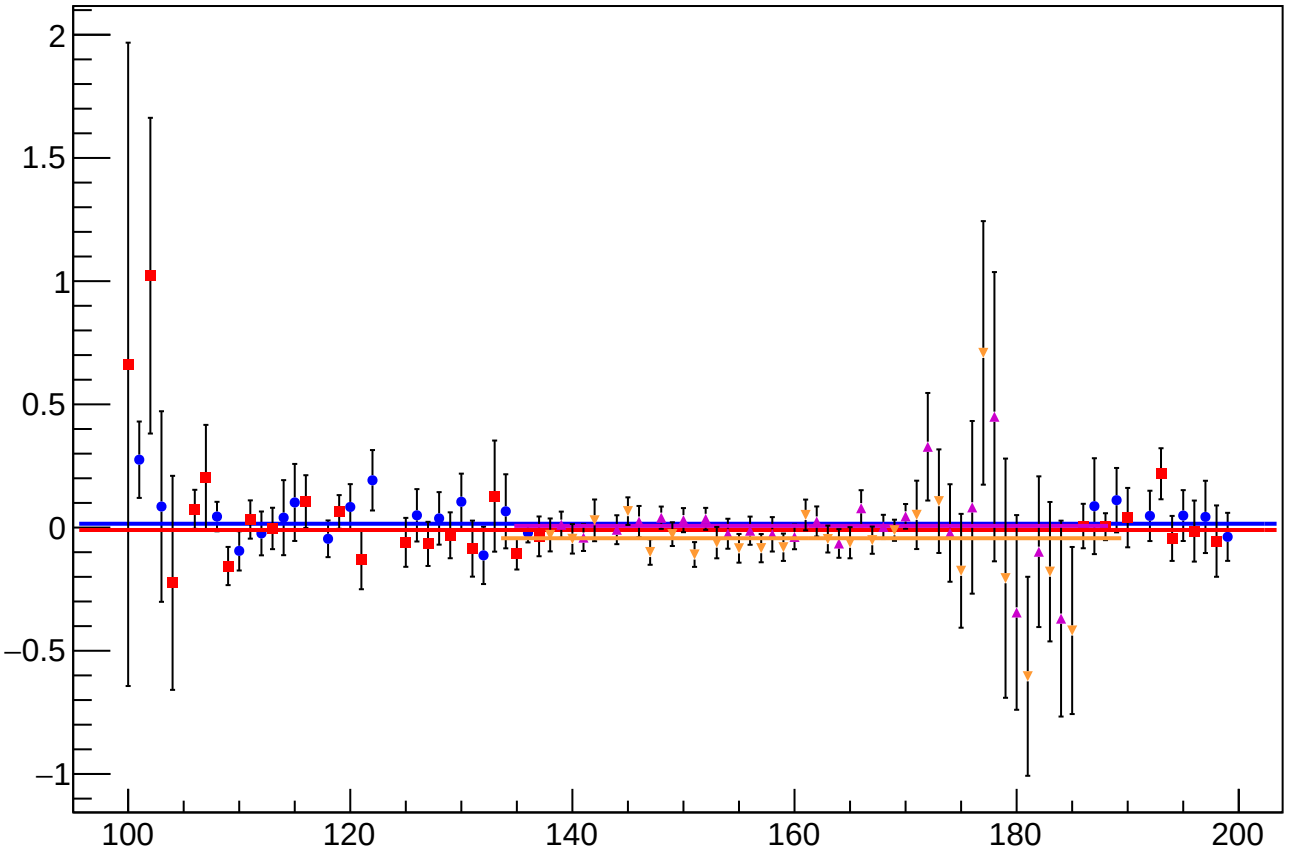
Left: 0.000+/-0.000 χ^2/NDF: 4014682.3/46

Right: 0.000+/-0.000 χ^2/NDF: 12907663.5/46

In: 0.000+/-0.000 χ^2/NDF:8840371.8/44

Out: 0.000+/-0.000 χ^2/NDF:9108372.8/48

All: 0.000+/-0.000 χ^2/NDF: 17959490.3/93



Right In: 0.015+/-0.020 χ^2/NDF: 13.0/21

Left Out: -0.043+/-0.014 χ^2/NDF:18.9/23

Right Out: -0.010+/-0.019 χ^2/NDF: 21.6/24

Left In: 0.007+/-0.014 χ^2/NDF:11.3/22

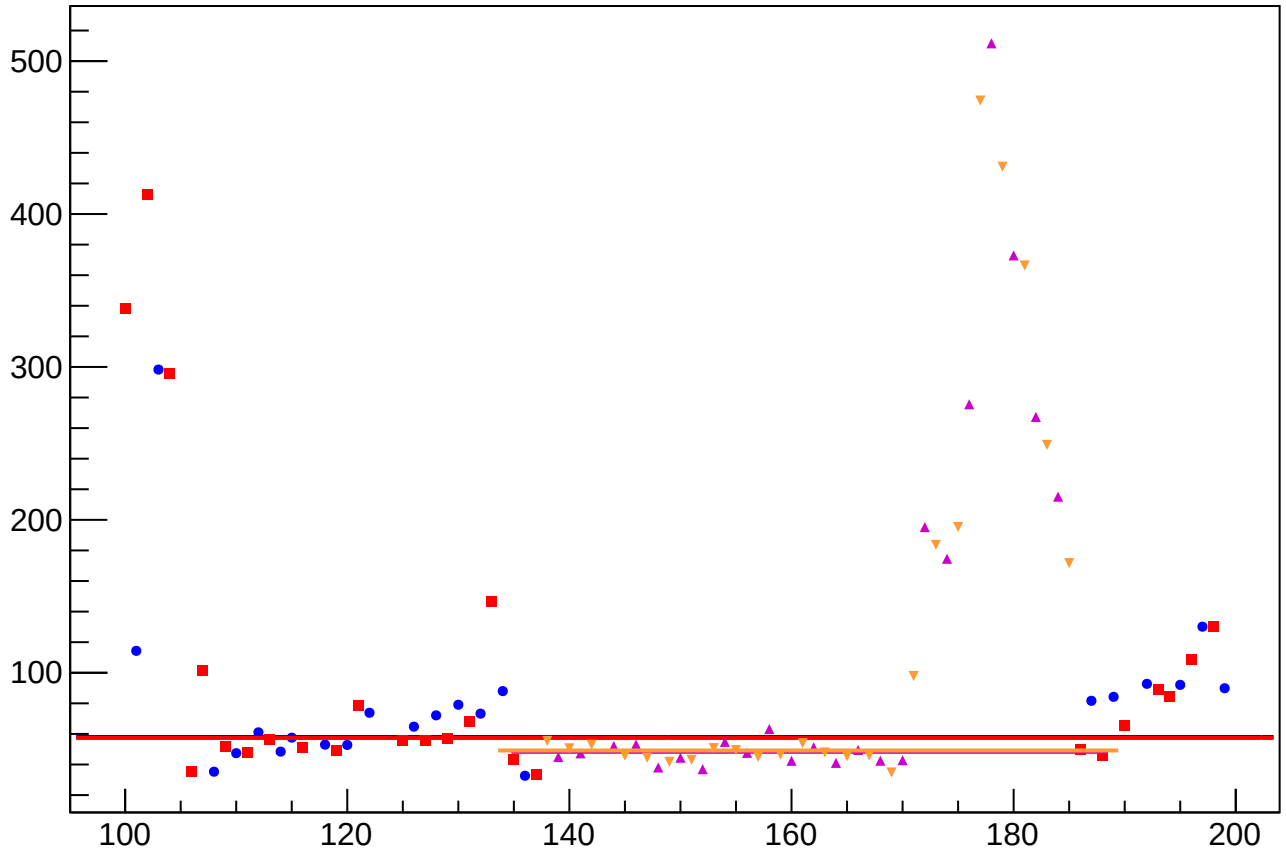
Left: -0.018+/-0.010 χ^2/NDF: 36.8/46

Right: 0.002+/-0.014 χ^2/NDF: 35.5/46

In: 0.009+/-0.011 χ^2/NDF:24.4/44

Out: -0.032+/-0.011 χ^2/NDF:42.5/48

All: -0.011+/-0.008 χ^2/NDF: 73.6/93



Right In: 58.013+/-0.014 χ^2/NDF: 3750779.1/21

Left Out: 49.180+/-0.010 χ^2/NDF:7250092.4/23

Right Out: 57.372+/-0.014 χ^2/NDF: 3620188.7/24

Left In: 48.307+/-0.010 χ^2/NDF:7040663.5/22

Left: 48.731+/-0.007 χ^2/NDF: 14294810.2/46

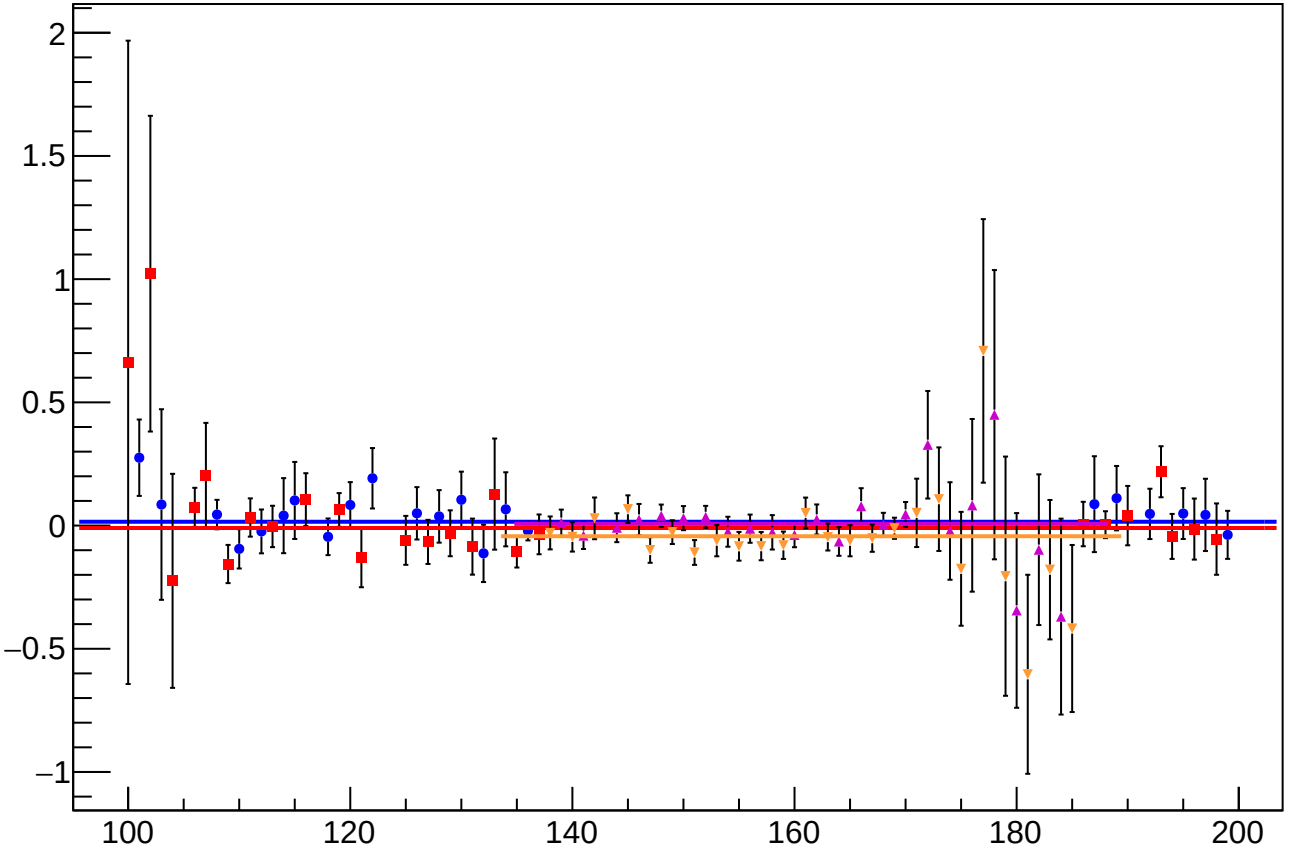
Right: 57.680+/-0.010 χ^2/NDF: 7372044.3/46

In: 51.366+/-0.008 χ^2/NDF:11116208.6/44

Out: 52.007+/-0.008 χ^2/NDF:11109796.8/48

All: 51.685+/-0.006 χ^2/NDF: 22229267.9/93

asym_us_dd_atlr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.015+/-0.020 χ^2/NDF: 13.0/21

Left Out: -0.043+/-0.014 χ^2/NDF:18.9/23

Right Out: -0.010+/-0.019 χ^2/NDF: 21.6/24

Left In: 0.007+/-0.014 χ^2/NDF:11.3/22

Left: -0.018+/-0.010 χ^2/NDF: 36.8/46

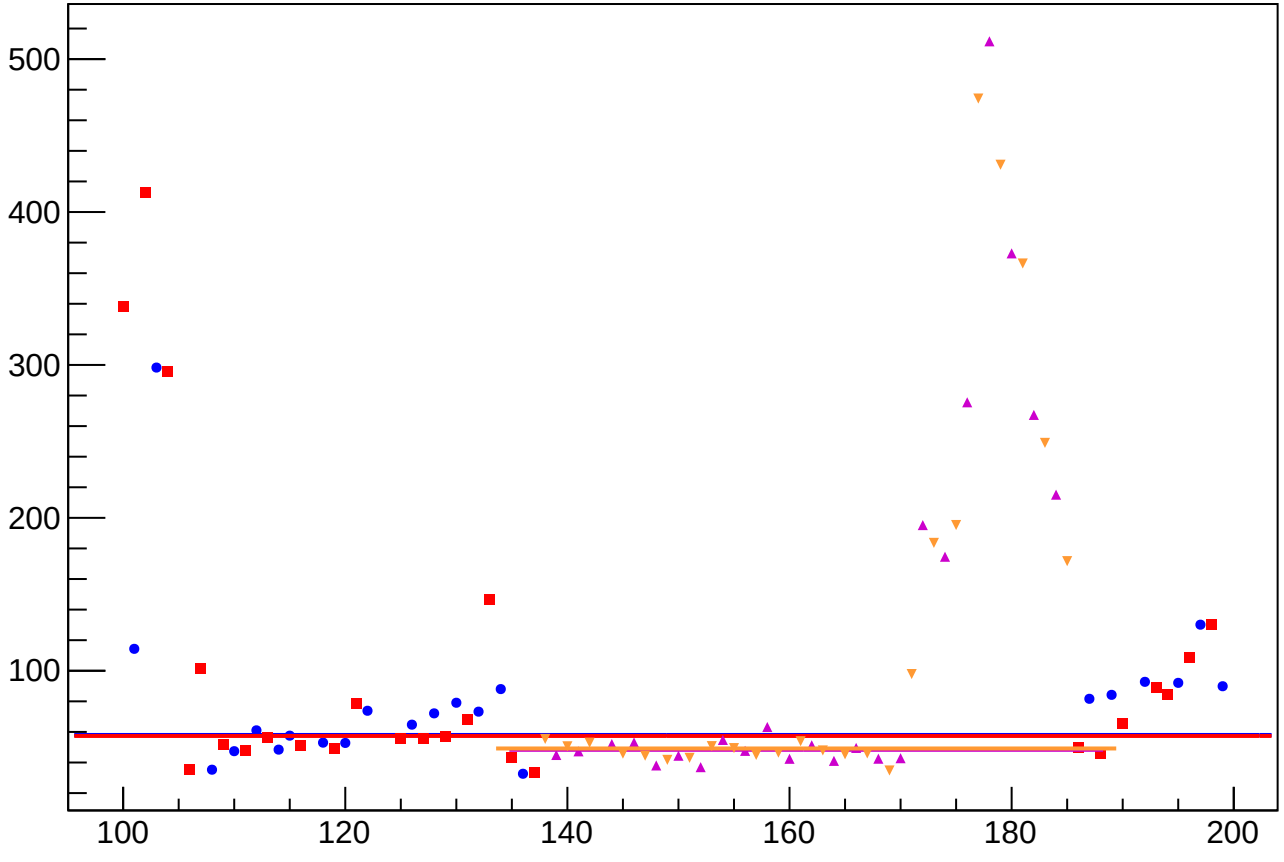
Right: 0.002+/-0.014 χ^2/NDF: 35.5/46

In: 0.009+/-0.011 χ^2/NDF:24.4/44

Out: -0.032+/-0.011 χ^2/NDF:42.5/48

All: -0.011+/-0.008 χ^2/NDF: 73.6/93

asym_us_dd_atlr_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 58.013+/-0.014 χ^2/NDF: 3750779.1/21

Left Out: 49.180+/-0.010 χ^2/NDF:7250092.4/23

Right Out: 57.372+/-0.014 χ^2/NDF: 3620188.7/24

Left In: 48.307+/-0.010 χ^2/NDF:7040663.5/22

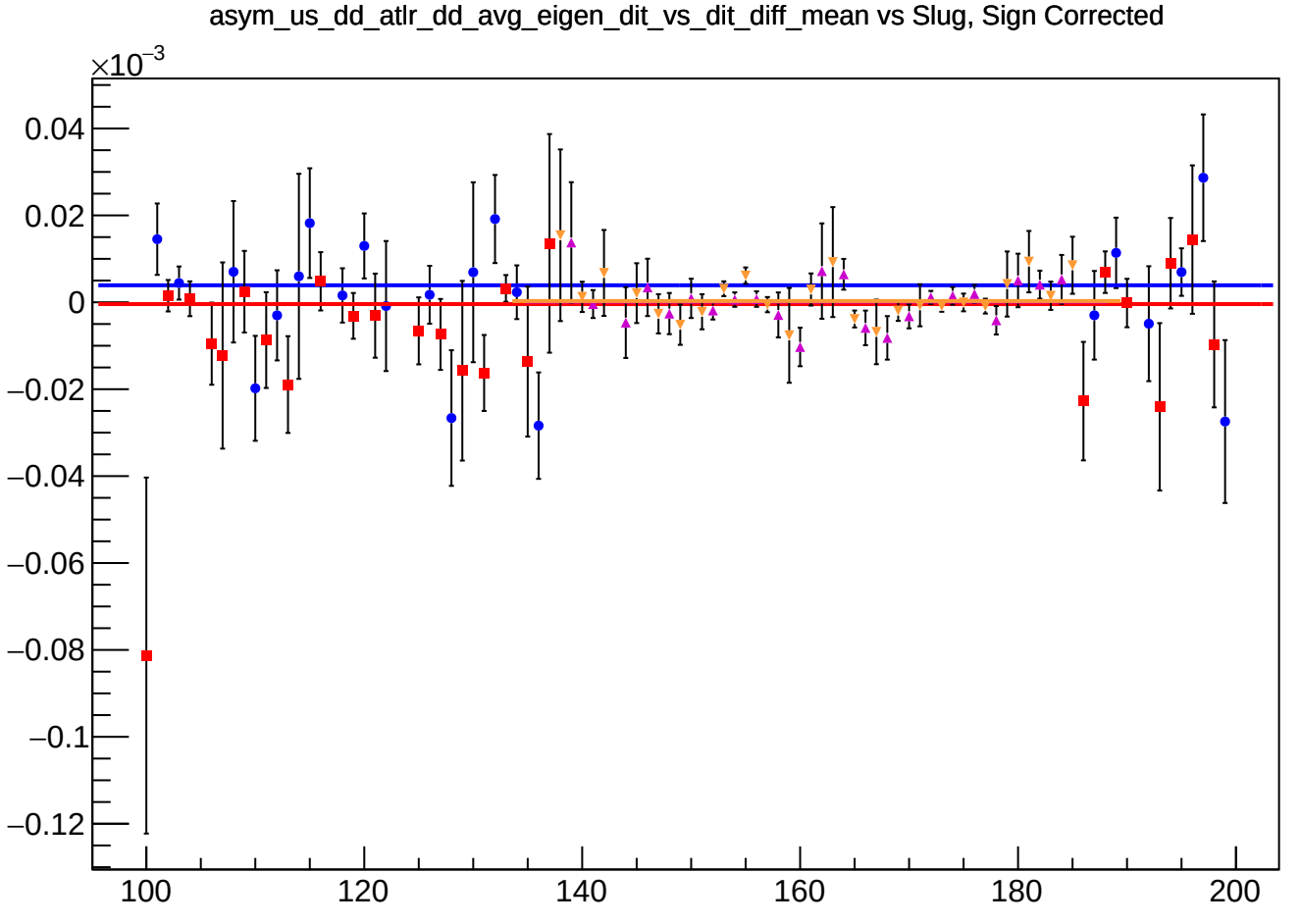
Left: 48.731+/-0.007 χ^2/NDF: 14294810.2/46

Right: 57.680+/-0.010 χ^2/NDF: 7372044.3/46

In: 51.366+/-0.008 χ^2/NDF:11116208.6/44

Out: 52.007+/-0.008 χ^2/NDF:11109796.8/48

All: 51.685+/-0.006 χ^2/NDF: 22229267.9/93



Right In: 0.000+/-0.000 χ^2/NDF: 30.0/21

Left Out: 0.000+/-0.000 χ^2/NDF:28.8/23

Right Out: -0.000+/-0.000 χ^2/NDF: 25.9/24

Left In: 0.000+/-0.000 χ^2/NDF:25.3/22

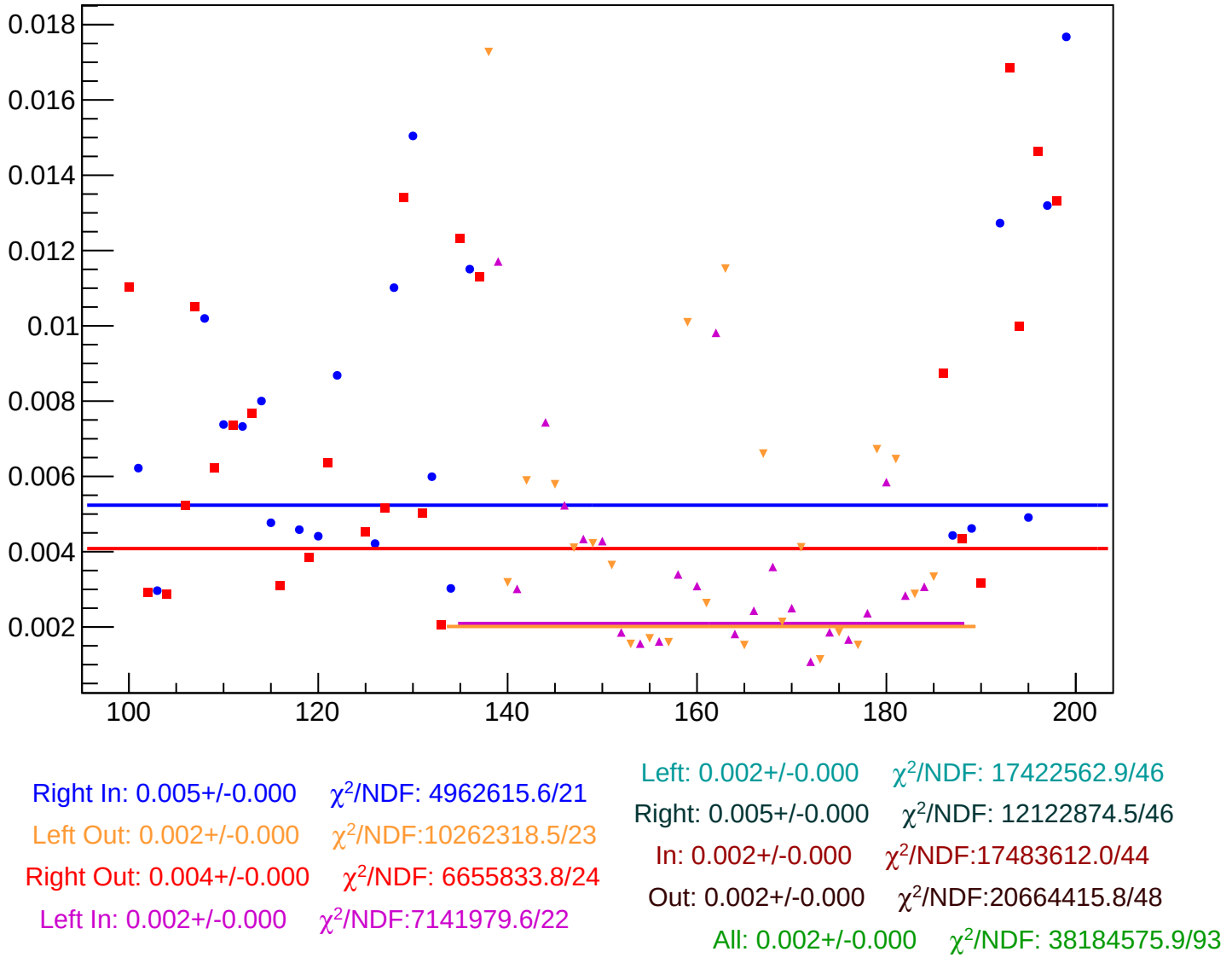
Left: 0.000+/-0.000 χ^2/NDF: 54.1/46

Right: 0.000+/-0.000 χ^2/NDF: 59.5/46

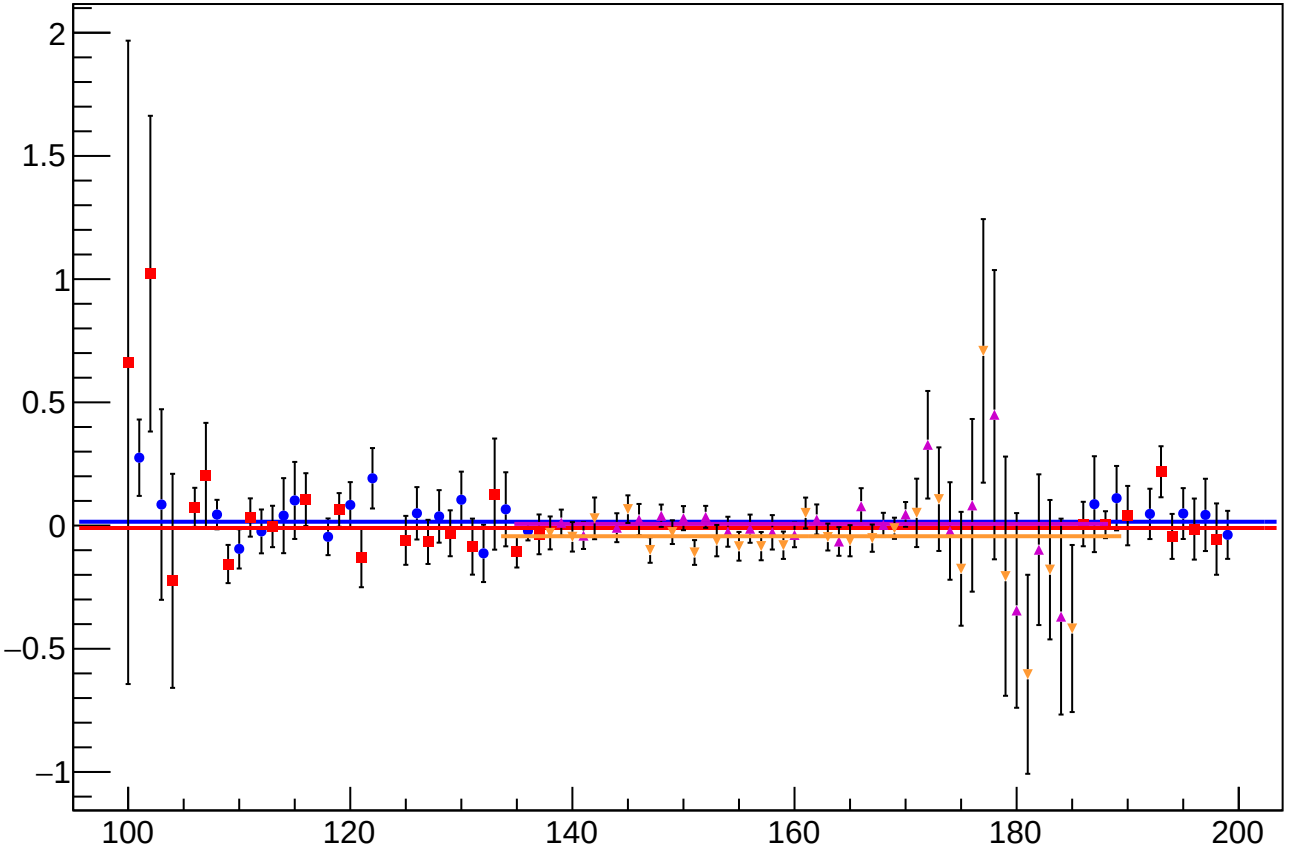
In: 0.000+/-0.000 χ^2/NDF:59.2/44

Out: 0.000+/-0.000 χ^2/NDF:54.9/48

All: 0.000+/-0.000 χ^2/NDF: 114.3/93


asym_us_dd_atlr_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
100
120
140
160
180
200
Right In: 0.005+/-0.000 χ²/NDF: 4962615.6/21
Left Out: 0.002+/-0.000 χ²/NDF:10262318.5/23
Right Out: 0.004+/-0.000 χ²/NDF: 6655833.8/24
Left In: 0.002+/-0.000 χ²/NDF:7141979.6/22
Left: 0.002+/-0.000 χ²/NDF: 17422562.9/46
Right: 0.005+/-0.000 χ²/NDF: 12122874.5/46
In: 0.002+/-0.000 χ²/NDF:17483612.0/44
Out: 0.002+/-0.000 χ²/NDF:20664415.8/48
All: 0.002+/-0.000 χ²/NDF: 38184575.9/93

asym_us_dd_atlr_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.015+/-0.020 χ^2/NDF: 13.0/21

Left Out: -0.043+/-0.014 χ^2/NDF:18.9/23

Right Out: -0.010+/-0.019 χ^2/NDF: 21.6/24

Left In: 0.007+/-0.014 χ^2/NDF:11.3/22

Left: -0.018+/-0.010 χ^2/NDF: 36.8/46

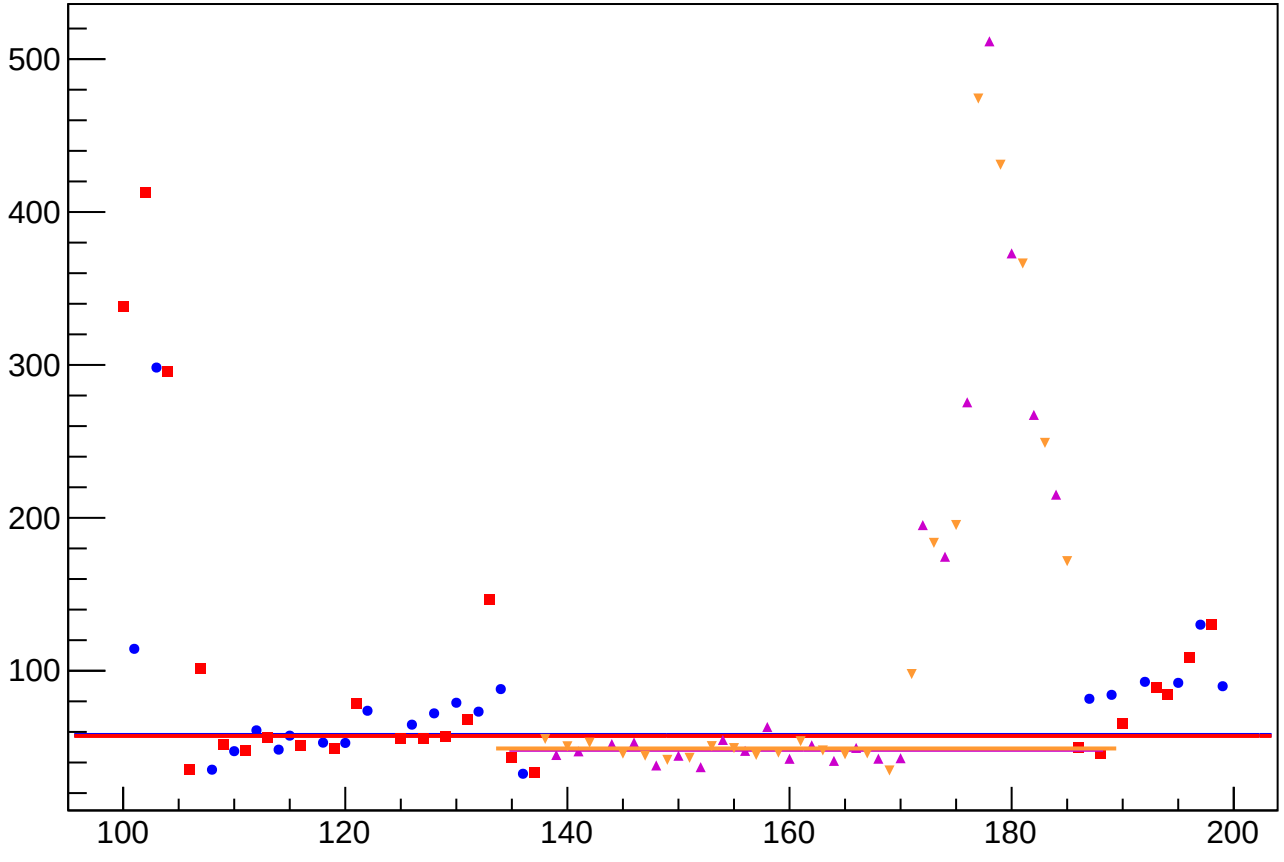
Right: 0.002+/-0.014 χ^2/NDF: 35.5/46

In: 0.009+/-0.011 χ^2/NDF:24.4/44

Out: -0.032+/-0.011 χ^2/NDF:42.5/48

All: -0.011+/-0.008 χ^2/NDF: 73.6/93

asym_us_dd_atlr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 58.014+/-0.014 χ^2/NDF: 3750630.2/21

Left Out: 49.180+/-0.010 χ^2/NDF:7250102.5/23

Right Out: 57.372+/-0.014 χ^2/NDF: 3620035.5/24

Left In: 48.307+/-0.010 χ^2/NDF:7040585.4/22

Left: 48.731+/-0.007 χ^2/NDF: 14294736.5/46

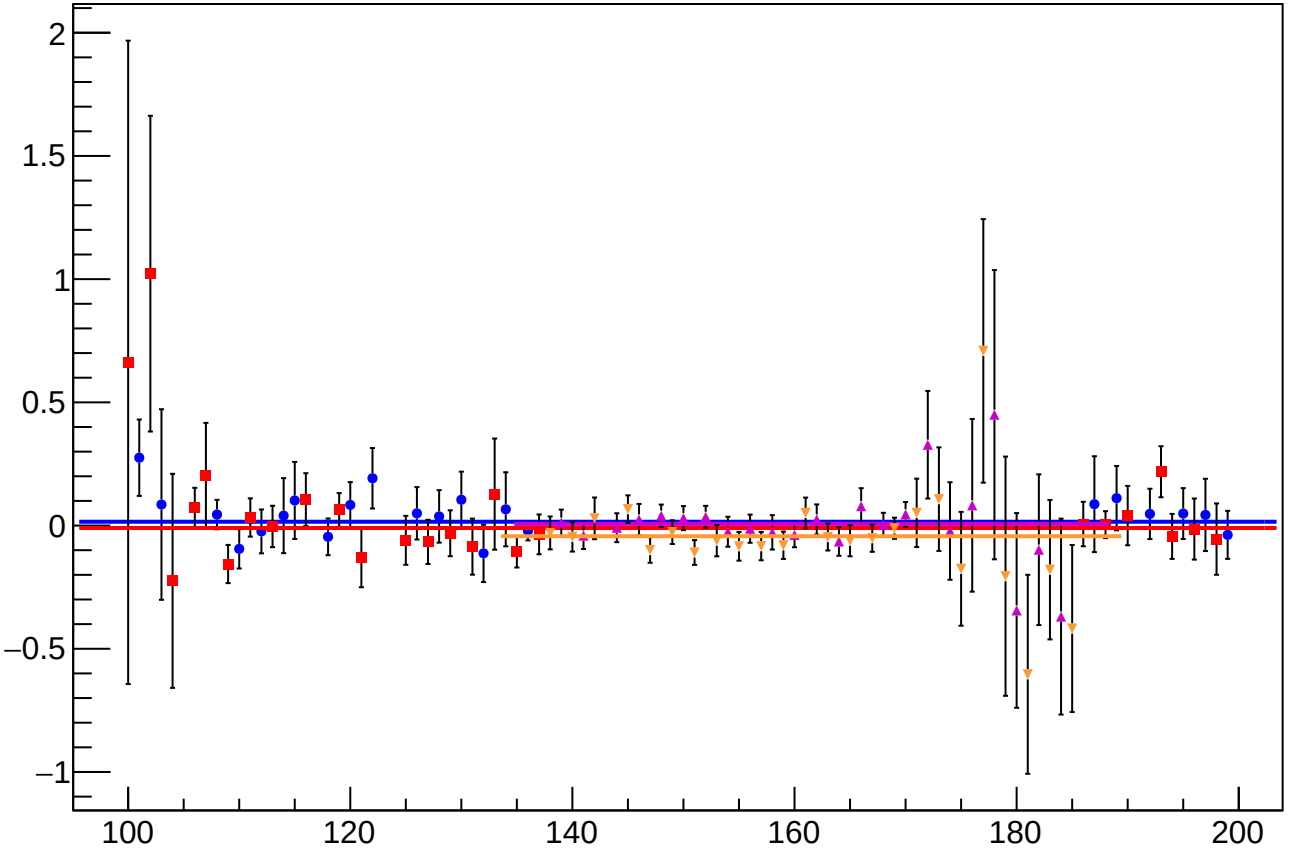
Right: 57.680+/-0.010 χ^2/NDF: 7371741.5/46

In: 51.366+/-0.008 χ^2/NDF:11115992.8/44

Out: 52.007+/-0.008 χ^2/NDF:11109711.7/48

All: 51.685+/-0.006 χ^2/NDF: 22228963.4/93

asym_us_dd_atlr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.015+/-0.020 χ^2/NDF: 13.0/21

Left Out: -0.043+/-0.014 χ^2/NDF:18.9/23

Right Out: -0.010+/-0.019 χ^2/NDF: 21.6/24

Left In: 0.007+/-0.014 χ^2/NDF:11.3/22

Left: -0.018+/-0.010 χ^2/NDF: 36.8/46

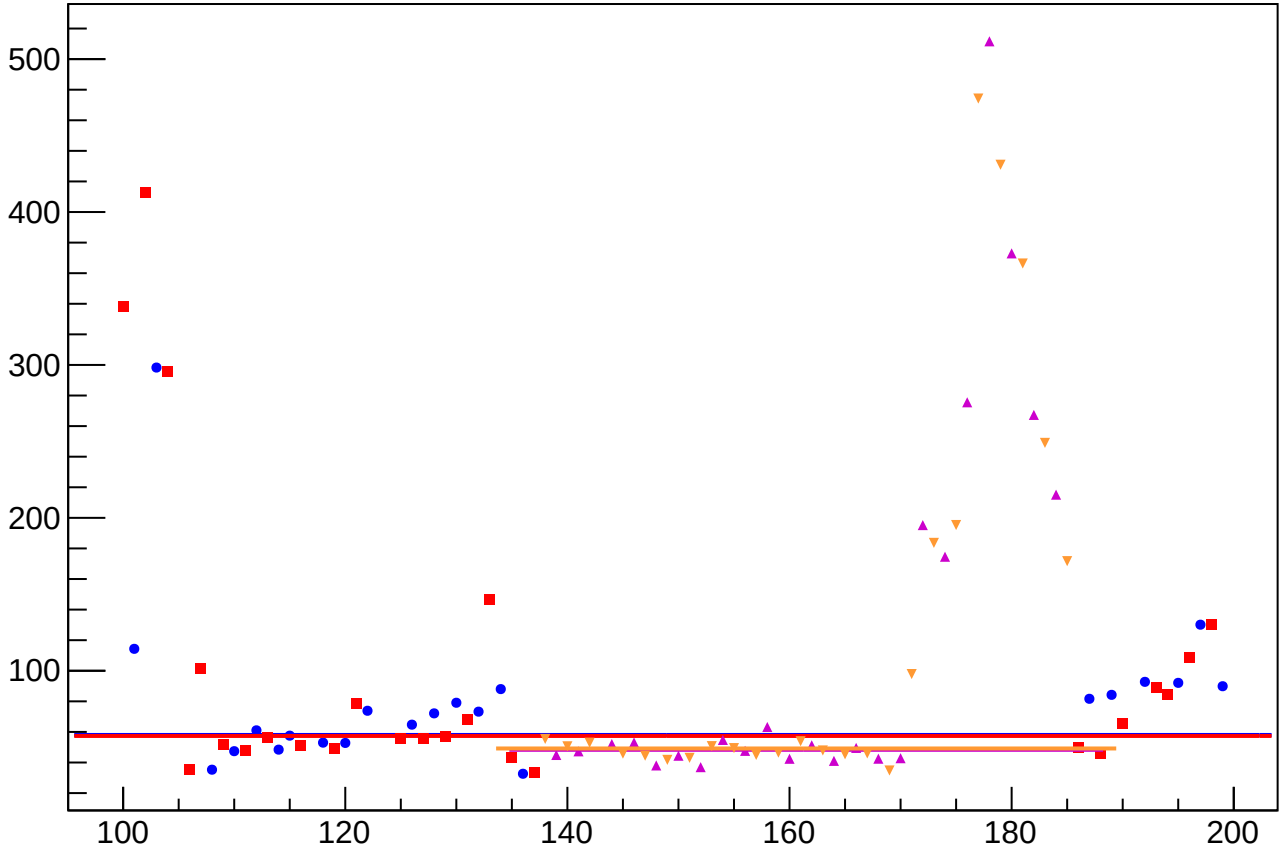
Right: 0.002+/-0.014 χ^2/NDF: 35.5/46

In: 0.009+/-0.011 χ^2/NDF:24.4/44

Out: -0.032+/-0.011 χ^2/NDF:42.5/48

All: -0.011+/-0.008 χ^2/NDF: 73.6/93

asym_us_dd_atlr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 58.014+/-0.014 χ^2/NDF: 3750630.2/21

Left Out: 49.180+/-0.010 χ^2/NDF:7250102.5/23

Right Out: 57.372+/-0.014 χ^2/NDF: 3620035.5/24

Left In: 48.307+/-0.010 χ^2/NDF:7040585.4/22

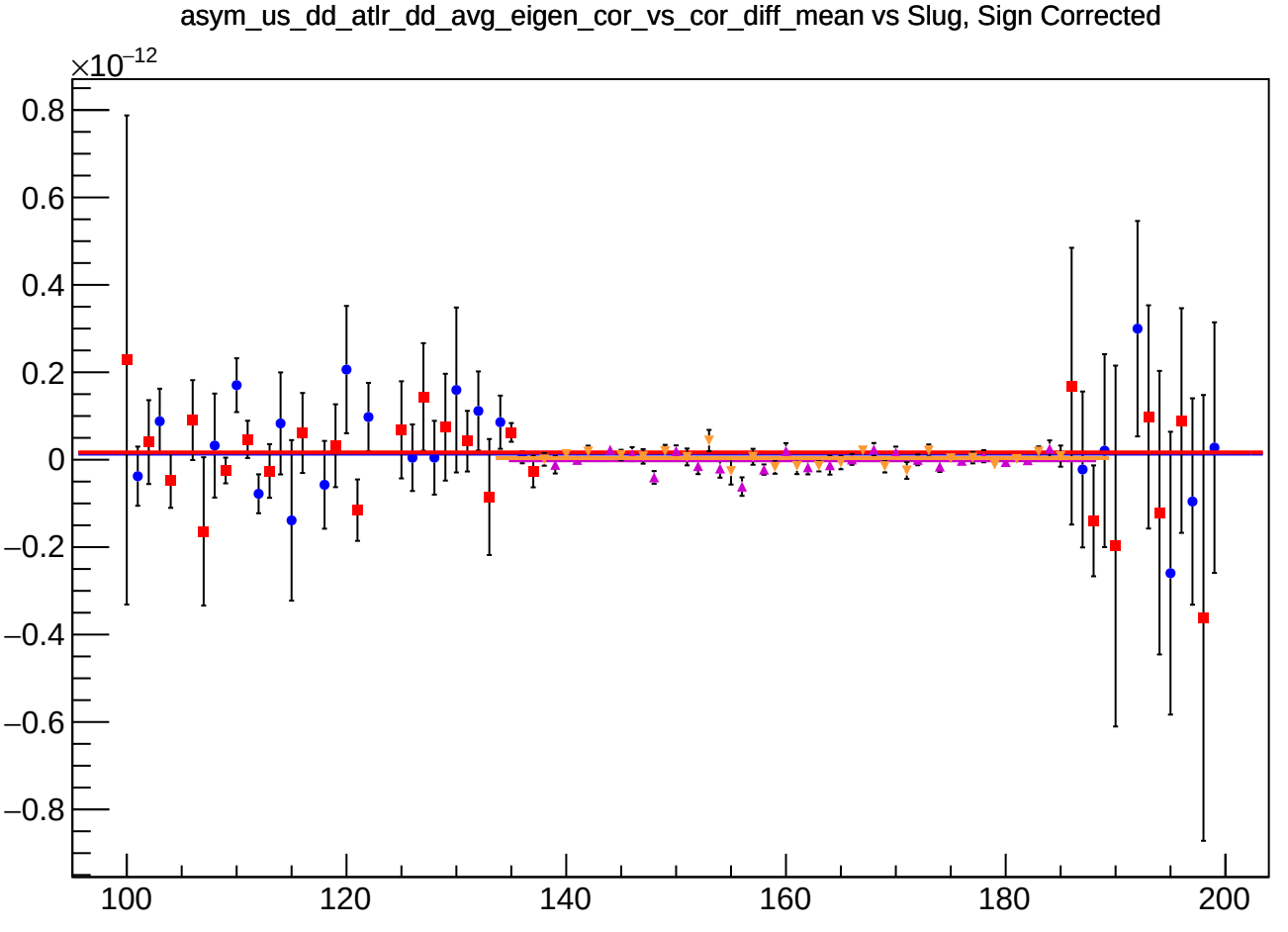
Left: 48.731+/-0.007 χ^2/NDF: 14294736.5/46

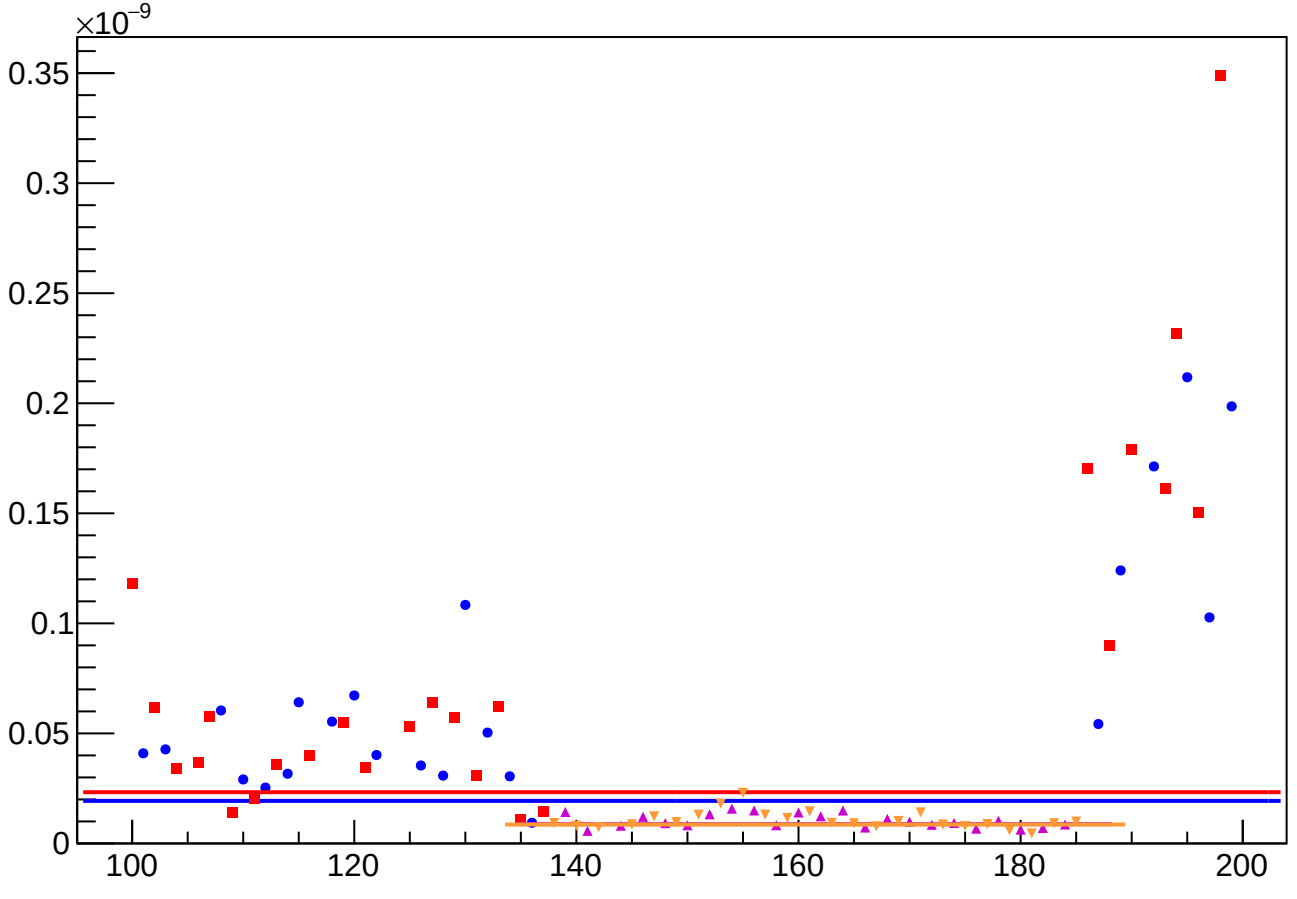
Right: 57.680+/-0.010 χ^2/NDF: 7371741.5/46

In: 51.366+/-0.008 χ^2/NDF:11115992.8/44

Out: 52.007+/-0.008 χ^2/NDF:11109711.7/48

All: 51.685+/-0.006 χ^2/NDF: 22228963.4/93


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: 22.6/21
Left Out: 0.000+/-0.000 χ²/NDF:24.6/23
Right Out: 0.000+/-0.000 χ²/NDF: 21.0/24
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: 43.6/46
In: -0.000+/-0.000 χ²/NDF:64.4/44
Out: 0.000+/-0.000 χ²/NDF:46.6/48
All: 0.000+/-0.000 χ²/NDF: 112.6/93



Right In: 0.000+/-0.000 χ^2/NDF: 6457999.0/21

Left Out: 0.000+/-0.000 χ^2/NDF:2499872.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 6666047.8/24

Left In: 0.000+/-0.000 χ^2/NDF:1954811.1/22

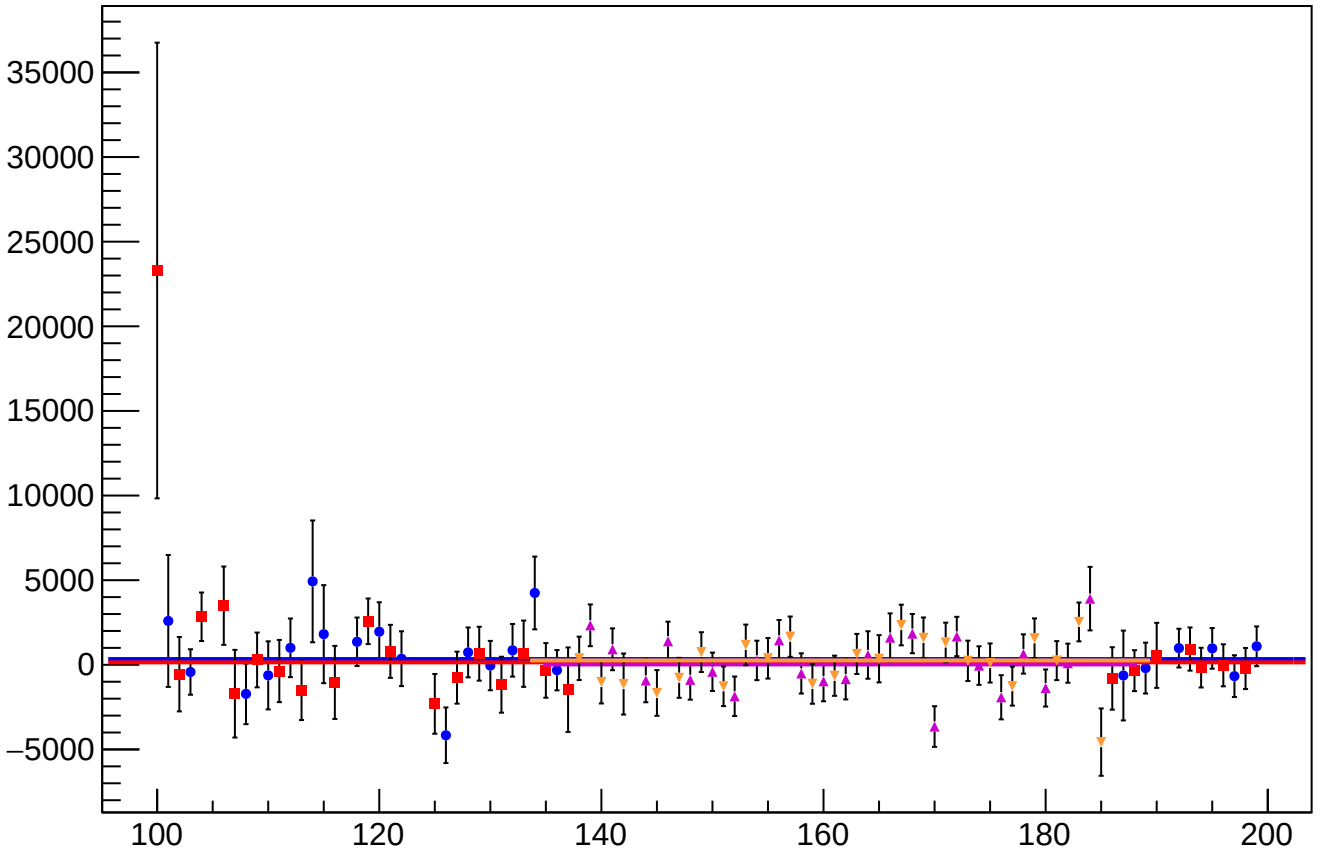
Left: 0.000+/-0.000 χ^2/NDF: 4458320.3/46

Right: 0.000+/-0.000 χ^2/NDF: 13235514.5/46

In: 0.000+/-0.000 χ^2/NDF:10084731.1/44

Out: 0.000+/-0.000 χ^2/NDF:11842055.2/48

All: 0.000+/-0.000 χ^2/NDF: 21927982.7/93



Right In: 340.015+/-333.943 χ^2/NDF: 18.9/21

Left Out: 260.650+/-251.401 χ^2/NDF:28.2/23

Right Out: 145.702+/-325.589 χ^2/NDF: 18.5/24

Left In: 22.368+/-253.332 χ^2/NDF:35.8/22

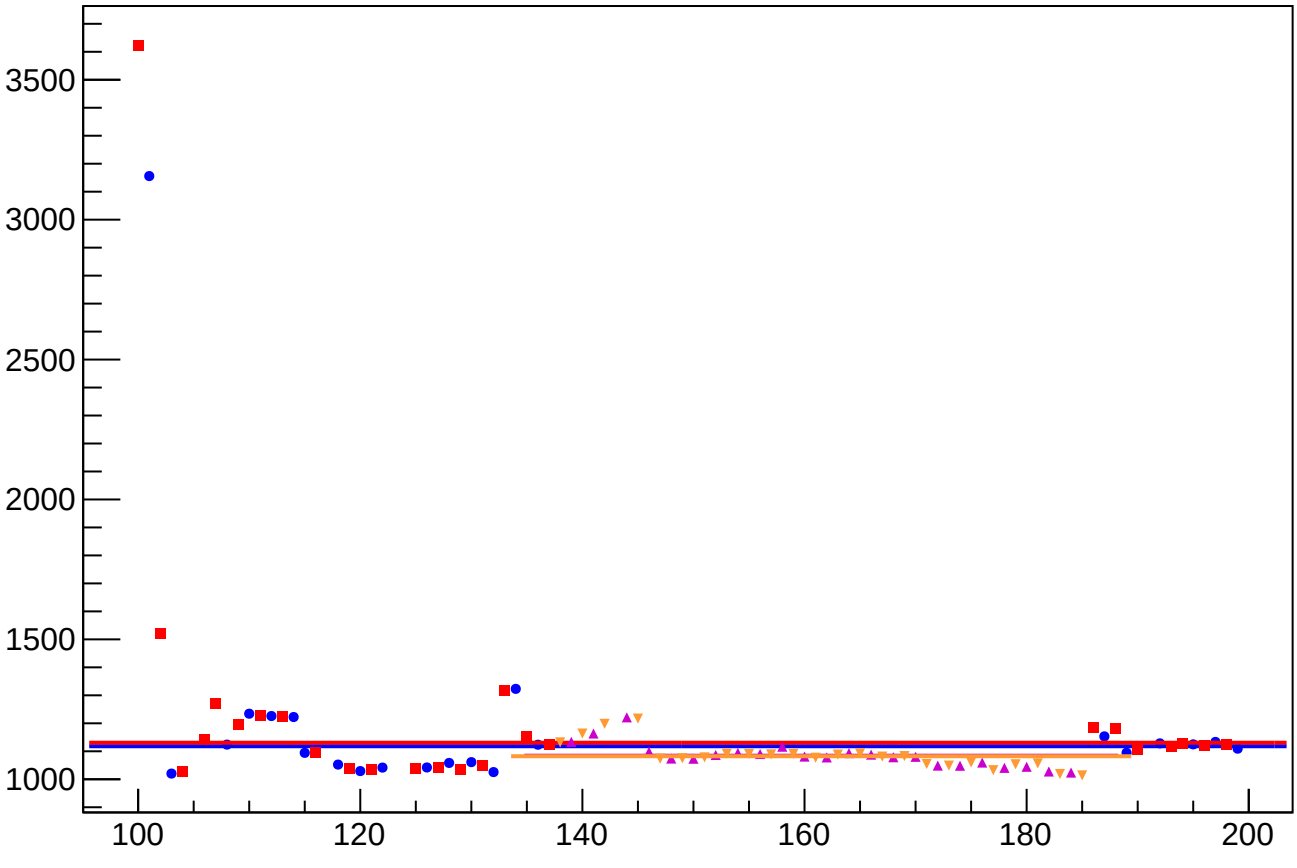
Left: 142.421+/-178.446 χ^2/NDF: 64.5/46

Right: 240.398+/-233.123 χ^2/NDF: 37.6/46

In: 138.397+/-201.828 χ^2/NDF:55.3/44

Out: 217.715+/-198.986 χ^2/NDF:46.8/48

All: 178.619+/-141.699 χ^2/NDF: 102.1/93



Right In: 1118.056+/-0.236 χ^2/NDF: 624913.8/21

Left Out: 1082.308+/-0.178 χ^2/NDF:57873.0/23

Right Out: 1130.615+/-0.230 χ^2/NDF: 228517.1/24

Left In: 1084.166+/-0.179 χ^2/NDF:53438.8/22

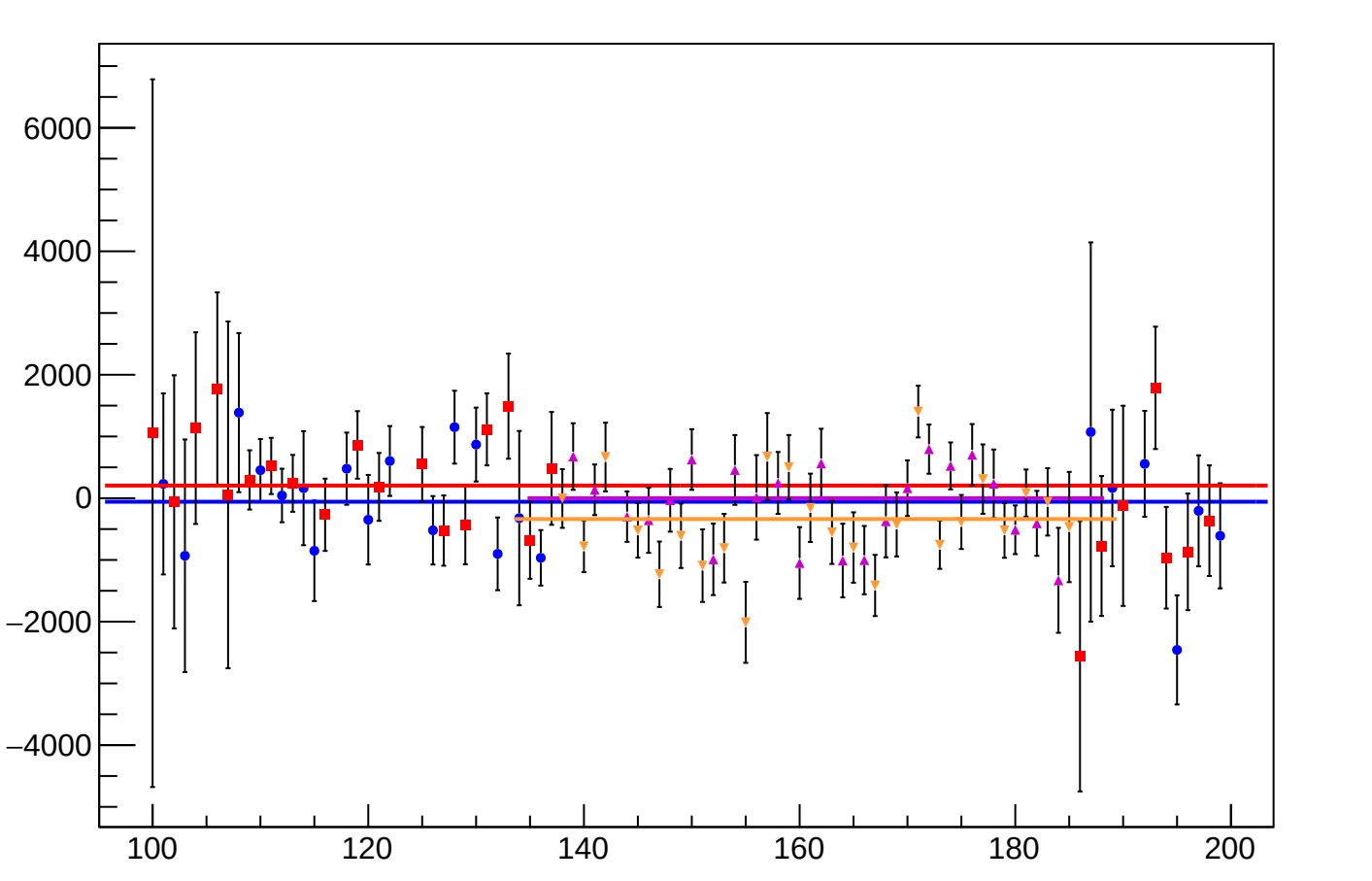
Left: 1083.230+/-0.126 χ^2/NDF: 111366.1/46

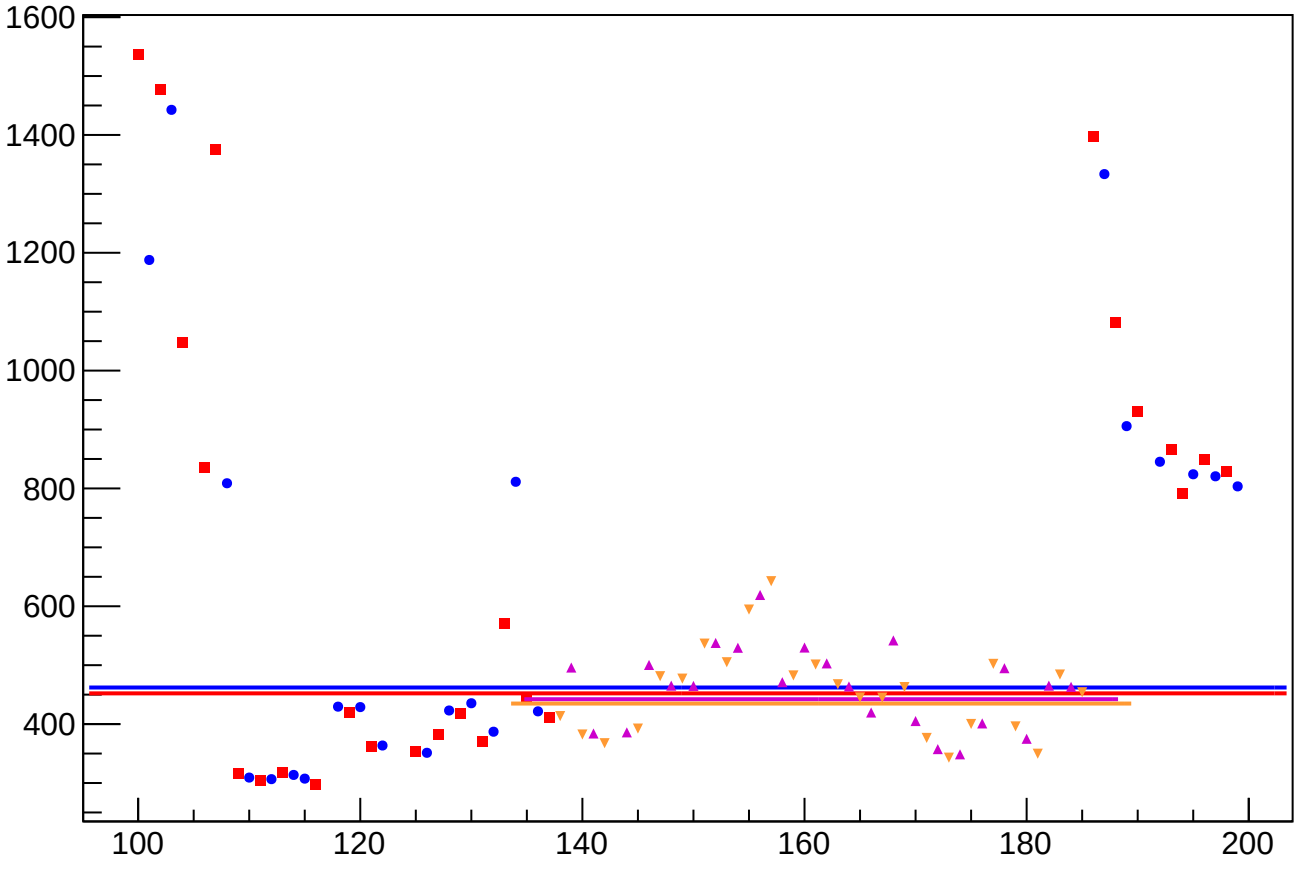
Right: 1124.495+/-0.165 χ^2/NDF: 854881.0/46

In: 1096.545+/-0.143 χ^2/NDF:691426.9/44

Out: 1100.351+/-0.141 χ^2/NDF:313972.5/48

All: 1098.475+/-0.100 χ^2/NDF: 1005760.0/93


asym_us_dd_atlr_dd_dd_reg_correction_mean vs Slug, Sign Corrected
6000
4000
2000
0
−2000
−4000
100
120
140
160
180
200
Right In: -57.428+/-149.997 χ²/NDF: 27.9/21
Left Out: -337.727+/-102.601 χ²/NDF:48.8/23
Right Out: 204.859+/-145.527 χ²/NDF: 22.4/24
Left In: -0.547+/-104.733 χ²/NDF:31.9/22
Left: -172.603+/-73.292 χ²/NDF: 85.9/46
Right: 77.682+/-104.448 χ²/NDF: 51.9/46
In: -19.189+/-85.872 χ²/NDF:59.9/44
Out: -157.572+/-83.855 χ²/NDF:80.5/48
All: -90.024+/-59.995 χ²/NDF: 141.7/93



Right In: 462.097+/-0.106 χ^2/NDF: 3854304.6/21

Left Out: 434.858+/-0.073 χ^2/NDF:878416.4/23

Right Out: 452.153+/-0.103 χ^2/NDF: 4676378.3/24

Left In: 442.209+/-0.074 χ^2/NDF:825972.2/22

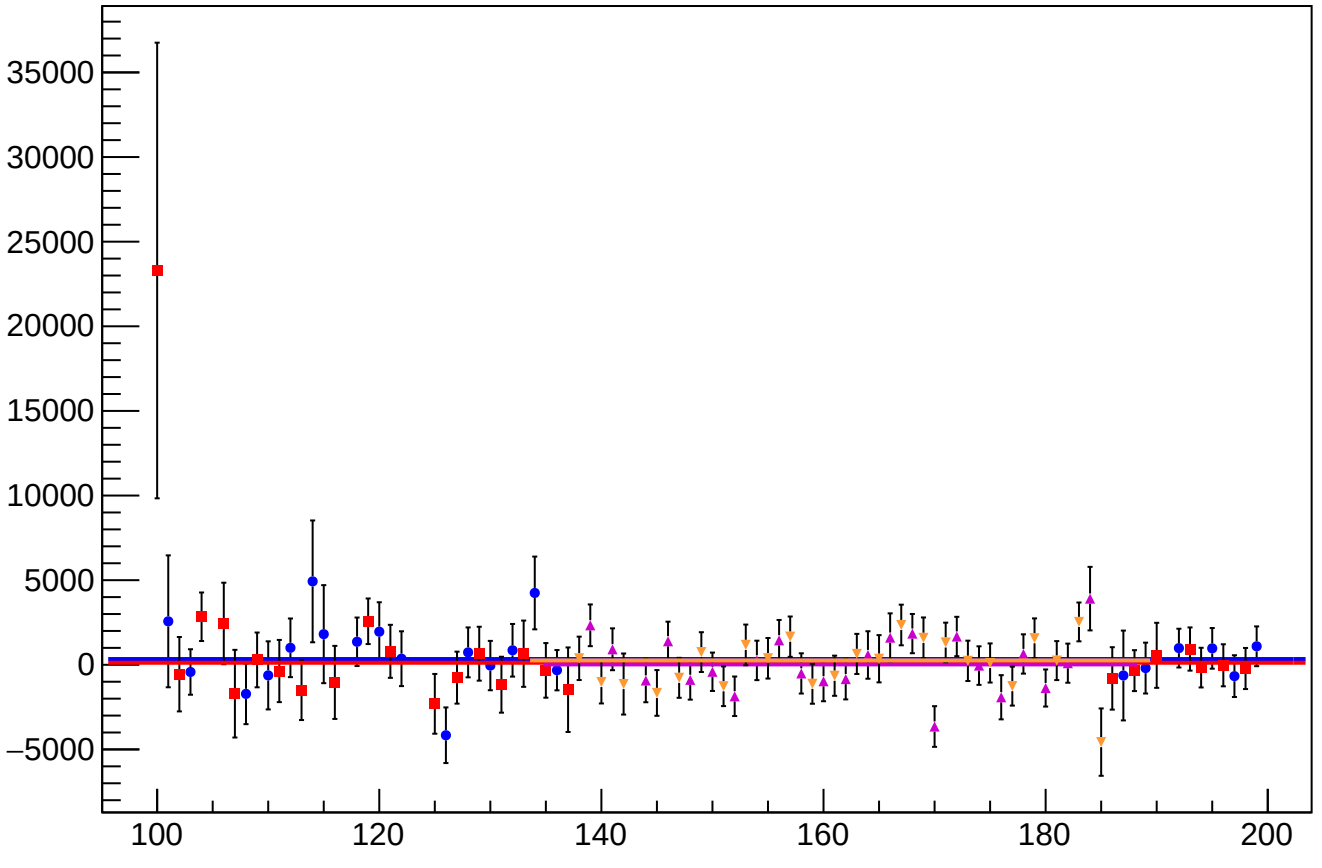
Left: 438.458+/-0.052 χ^2/NDF: 1709415.0/46

Right: 456.975+/-0.074 χ^2/NDF: 8535210.1/46

In: 448.727+/-0.061 χ^2/NDF:4703913.4/44

Out: 440.601+/-0.059 χ^2/NDF:5573663.4/48

All: 444.567+/-0.042 χ^2/NDF: 10286744.1/93



Right In: 339.842+/-333.943 χ^2/NDF: 18.9/21

Left Out: 260.639+/-251.401 χ^2/NDF:28.2/23

Right Out: 121.319+/-325.838 χ^2/NDF: 17.3/24

Left In: 22.362+/-253.332 χ^2/NDF:35.8/22

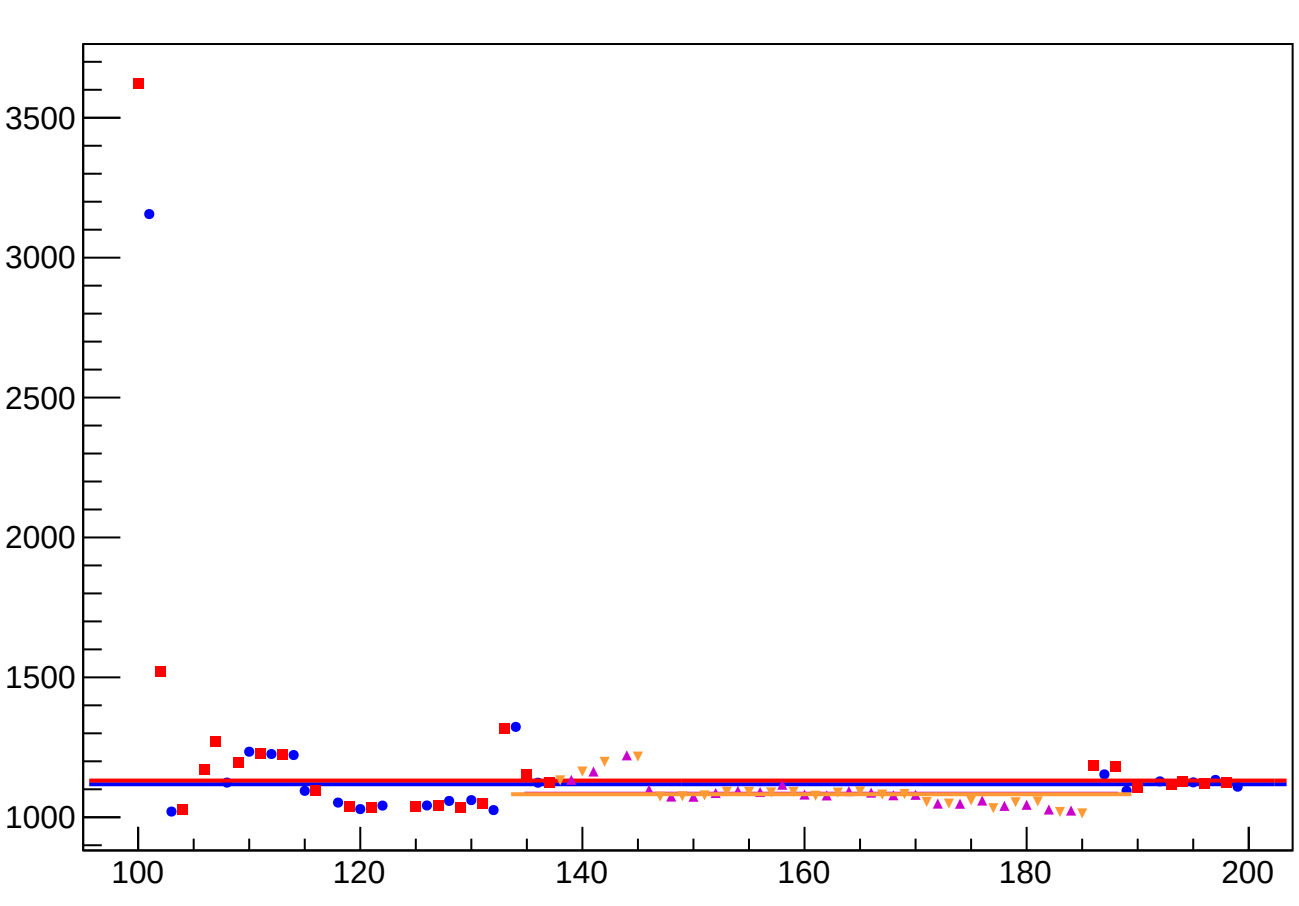
Left: 142.412+/-178.446 χ^2/NDF: 64.5/46

Right: 227.897+/-233.215 χ^2/NDF: 36.4/46

In: 138.330+/-201.828 χ^2/NDF:55.3/44

Out: 208.651+/-199.043 χ^2/NDF:45.6/48

All: 173.979+/-141.719 χ^2/NDF: 101.0/93



Right In: 1118.056+/-0.236 χ^2/NDF: 624914.8/21

Left Out: 1082.308+/-0.178 χ^2/NDF:57873.0/23

Right Out: 1131.174+/-0.230 χ^2/NDF: 229059.0/24

Left In: 1084.166+/-0.179 χ^2/NDF:53438.8/22

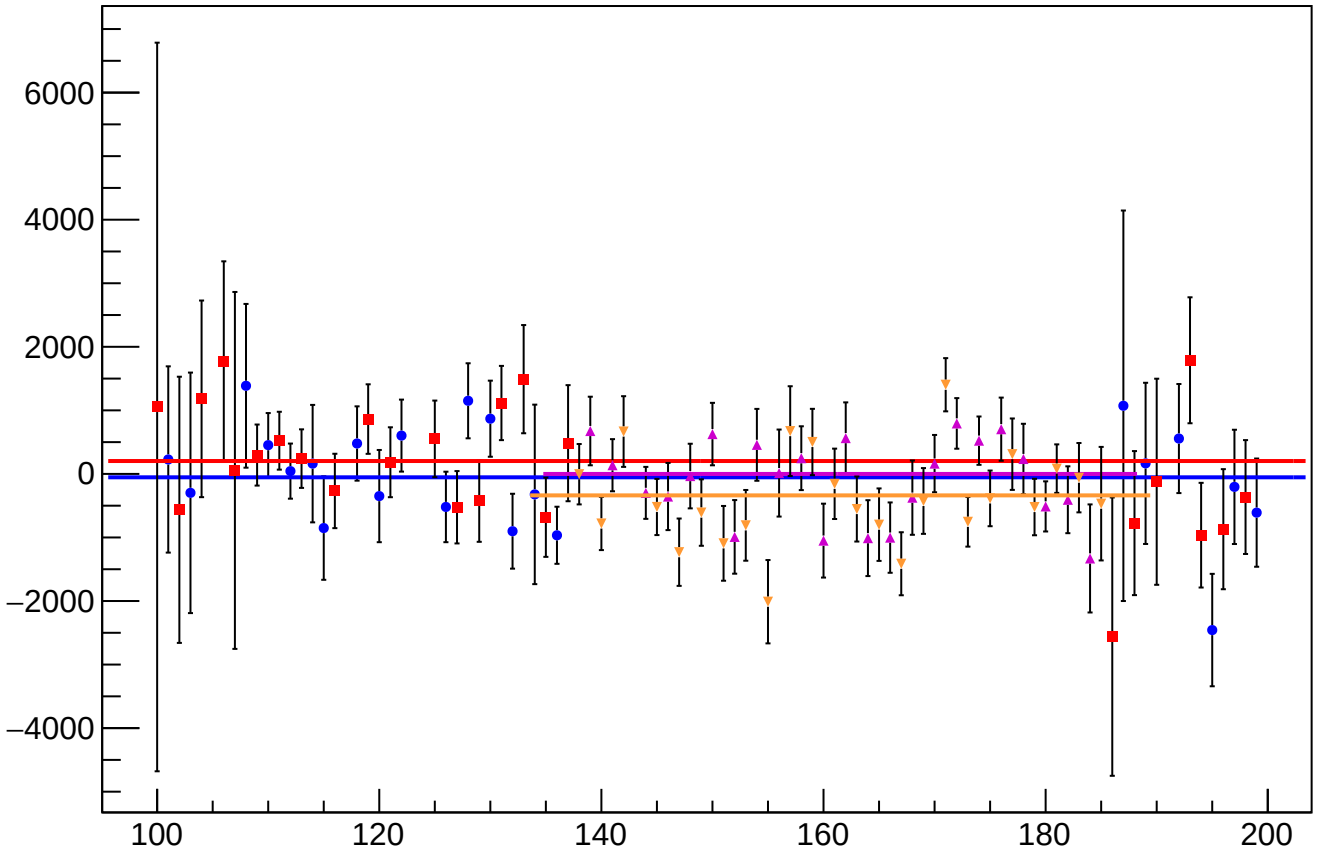
Left: 1083.230+/-0.126 χ^2/NDF: 111366.0/46

Right: 1124.776+/-0.165 χ^2/NDF: 855554.7/46

In: 1096.545+/-0.143 χ^2/NDF:691427.8/44

Out: 1100.542+/-0.141 χ^2/NDF:315129.2/48

All: 1098.572+/-0.100 χ^2/NDF: 1006954.7/93



Right In: -53.548+/-149.998 χ^2/NDF: 27.7/21

Left Out: -337.816+/-102.601 χ^2/NDF:48.8/23

Right Out: 202.809+/-145.546 χ^2/NDF: 22.6/24

Left In: -0.567+/-104.733 χ^2/NDF:31.9/22

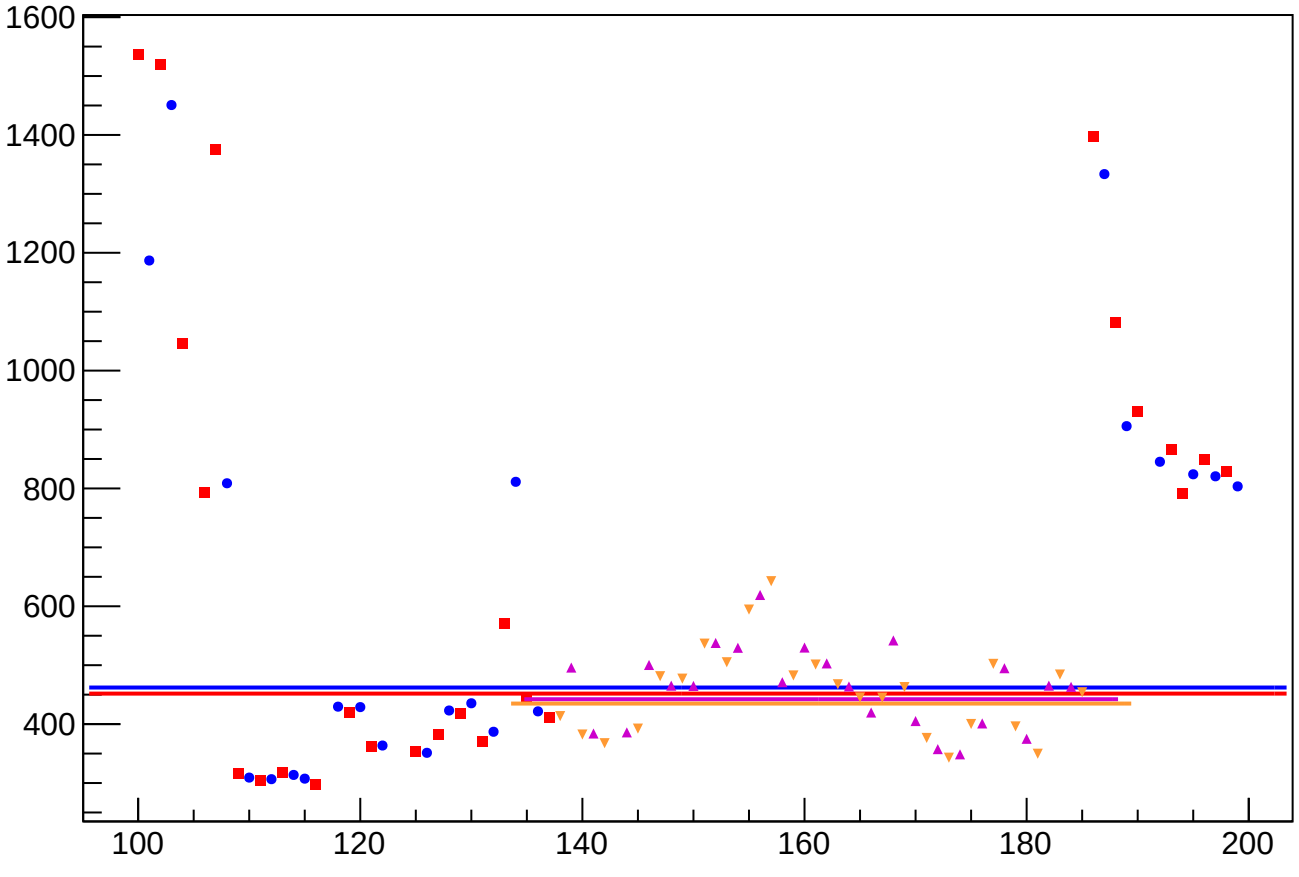
Left: -172.659+/-73.292 χ^2/NDF: 85.9/46

Right: 78.492+/-104.455 χ^2/NDF: 51.8/46

In: -17.931+/-85.872 χ^2/NDF:59.6/44

Out: -158.345+/-83.859 χ^2/NDF:80.6/48

All: -89.803+/-59.996 χ^2/NDF: 141.6/93



Right In: 462.087+/-0.106 χ^2/NDF: 3858091.0/21

Left Out: 434.856+/-0.073 χ^2/NDF:878507.3/23

Right Out: 451.767+/-0.103 χ^2/NDF: 4669367.8/24

Left In: 442.210+/-0.074 χ^2/NDF:825844.5/22

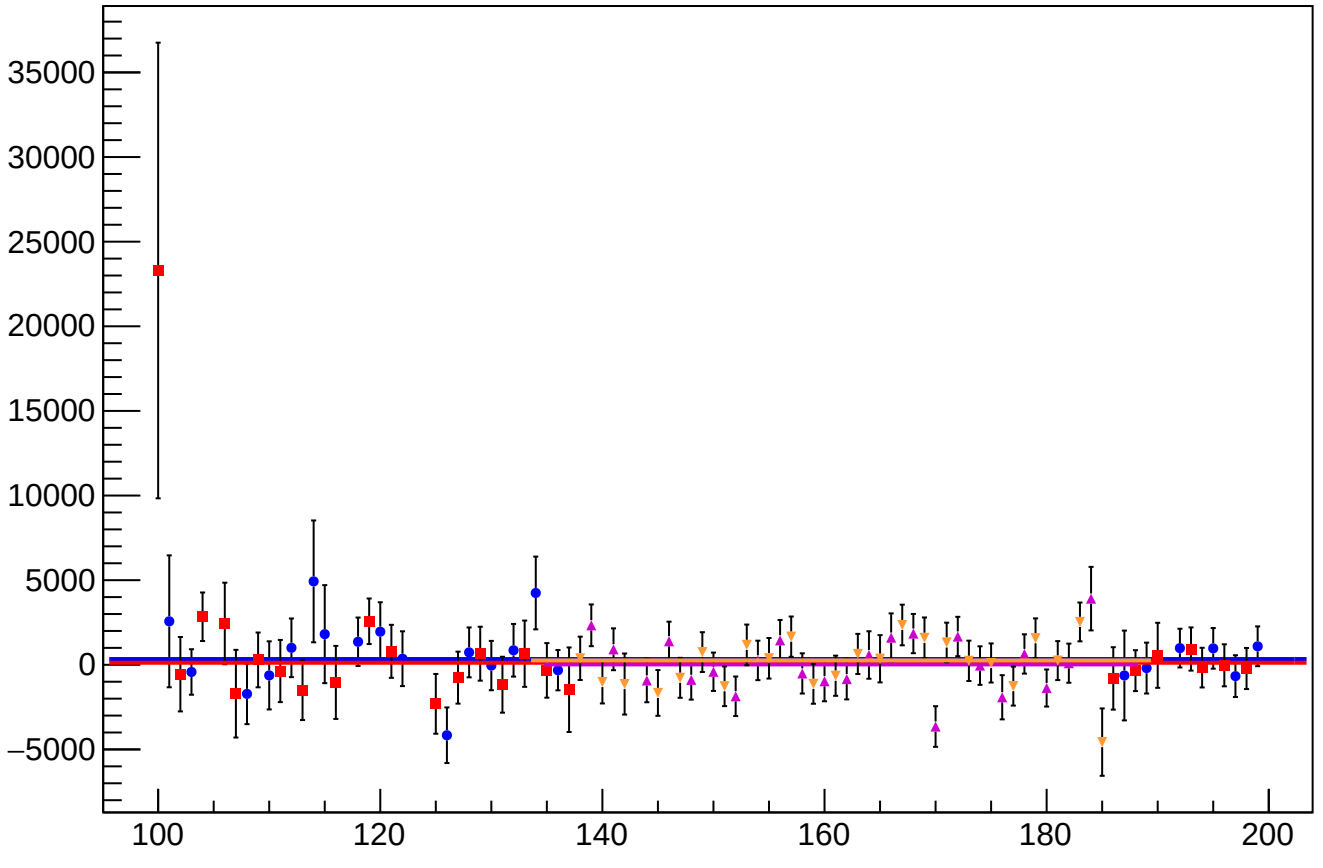
Left: 438.457+/-0.052 χ^2/NDF: 1709383.2/46

Right: 456.772+/-0.074 χ^2/NDF: 8532334.8/46

In: 448.724+/-0.061 χ^2/NDF:4707546.6/44

Out: 440.470+/-0.059 χ^2/NDF:5565913.1/48

All: 444.499+/-0.042 χ^2/NDF: 10282918.7/93



Right In: 339.842+/-333.943 χ^2/NDF: 18.9/21

Left Out: 260.639+/-251.401 χ^2/NDF:28.2/23

Right Out: 121.319+/-325.838 χ^2/NDF: 17.3/24

Left In: 22.362+/-253.332 χ^2/NDF:35.8/22

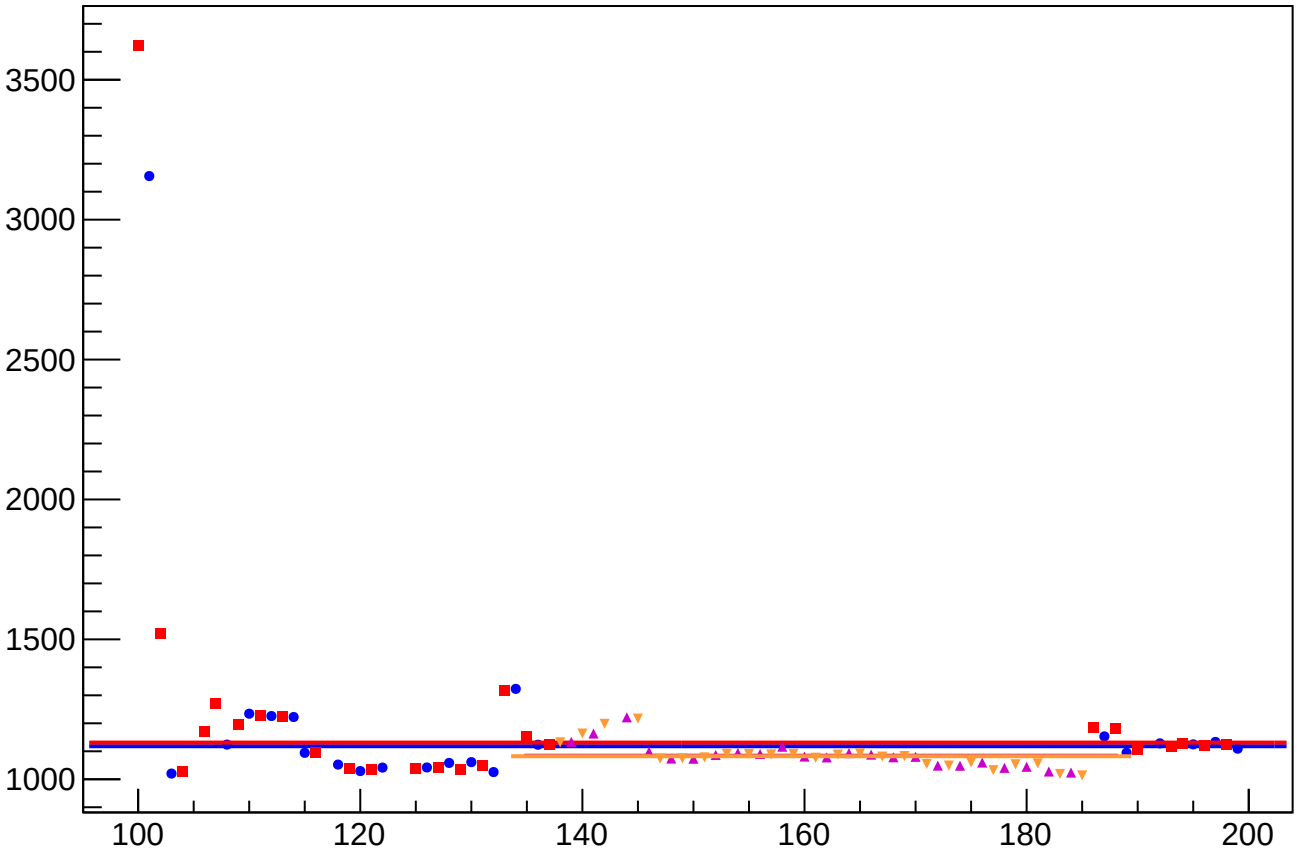
Left: 142.412+/-178.446 χ^2/NDF: 64.5/46

Right: 227.897+/-233.215 χ^2/NDF: 36.4/46

In: 138.330+/-201.828 χ^2/NDF:55.3/44

Out: 208.651+/-199.043 χ^2/NDF:45.6/48

All: 173.979+/-141.719 χ^2/NDF: 101.0/93



Right In: 1118.056+/-0.236 χ^2/NDF: 624914.8/21

Left Out: 1082.308+/-0.178 χ^2/NDF:57873.0/23

Right Out: 1131.174+/-0.230 χ^2/NDF: 229059.0/24

Left In: 1084.166+/-0.179 χ^2/NDF:53438.8/22

Left: 1083.230+/-0.126 χ^2/NDF: 111366.0/46

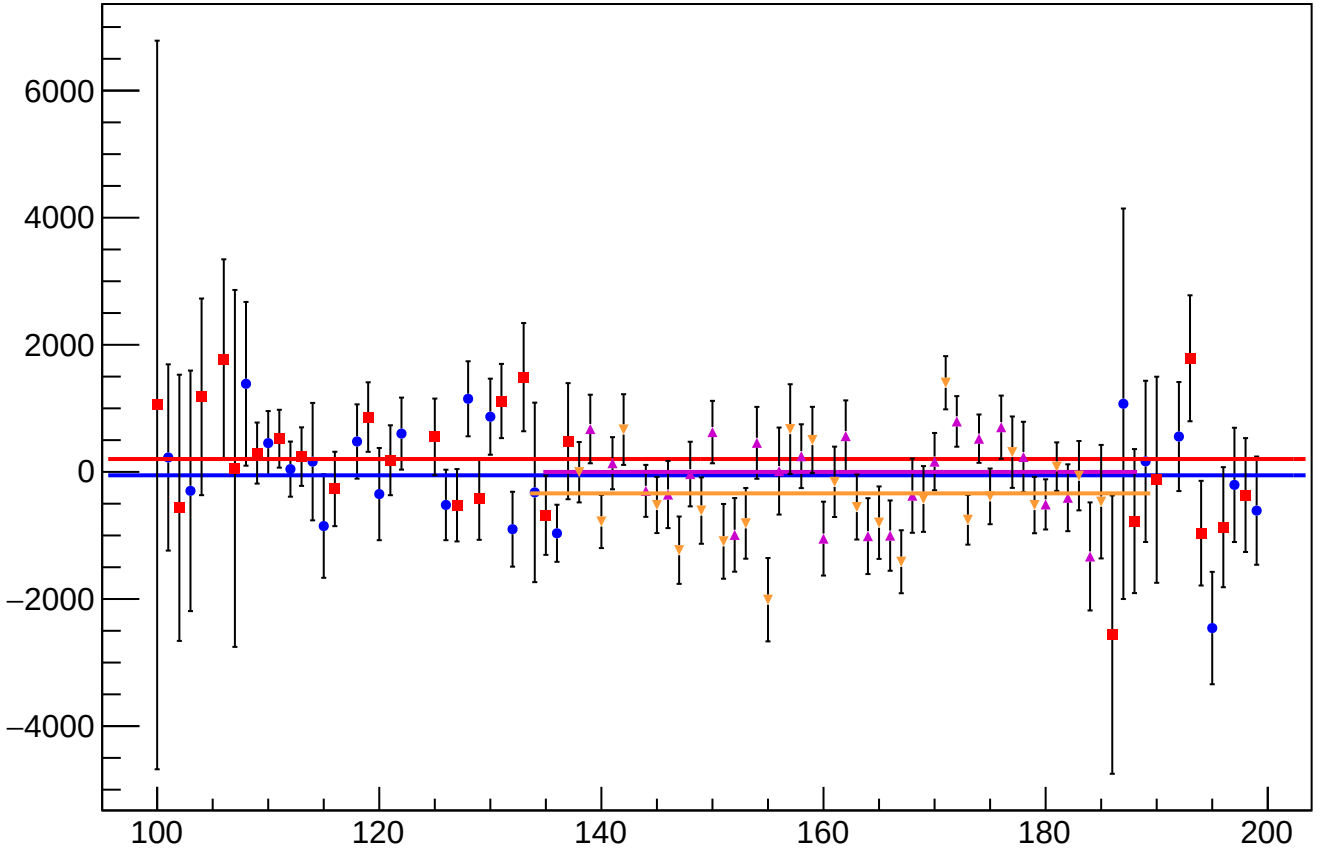
Right: 1124.776+/-0.165 χ^2/NDF: 855554.7/46

In: 1096.545+/-0.143 χ^2/NDF:691427.8/44

Out: 1100.542+/-0.141 χ^2/NDF:315129.2/48

All: 1098.572+/-0.100 χ^2/NDF: 1006954.7/93

asym_us_dd_atlr_dd_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -53.548+/-149.998 χ^2/NDF: 27.7/21

Left Out: -337.816+/-102.601 χ^2/NDF:48.8/23

Right Out: 202.809+/-145.546 χ^2/NDF: 22.6/24

Left In: -0.567+/-104.733 χ^2/NDF:31.9/22

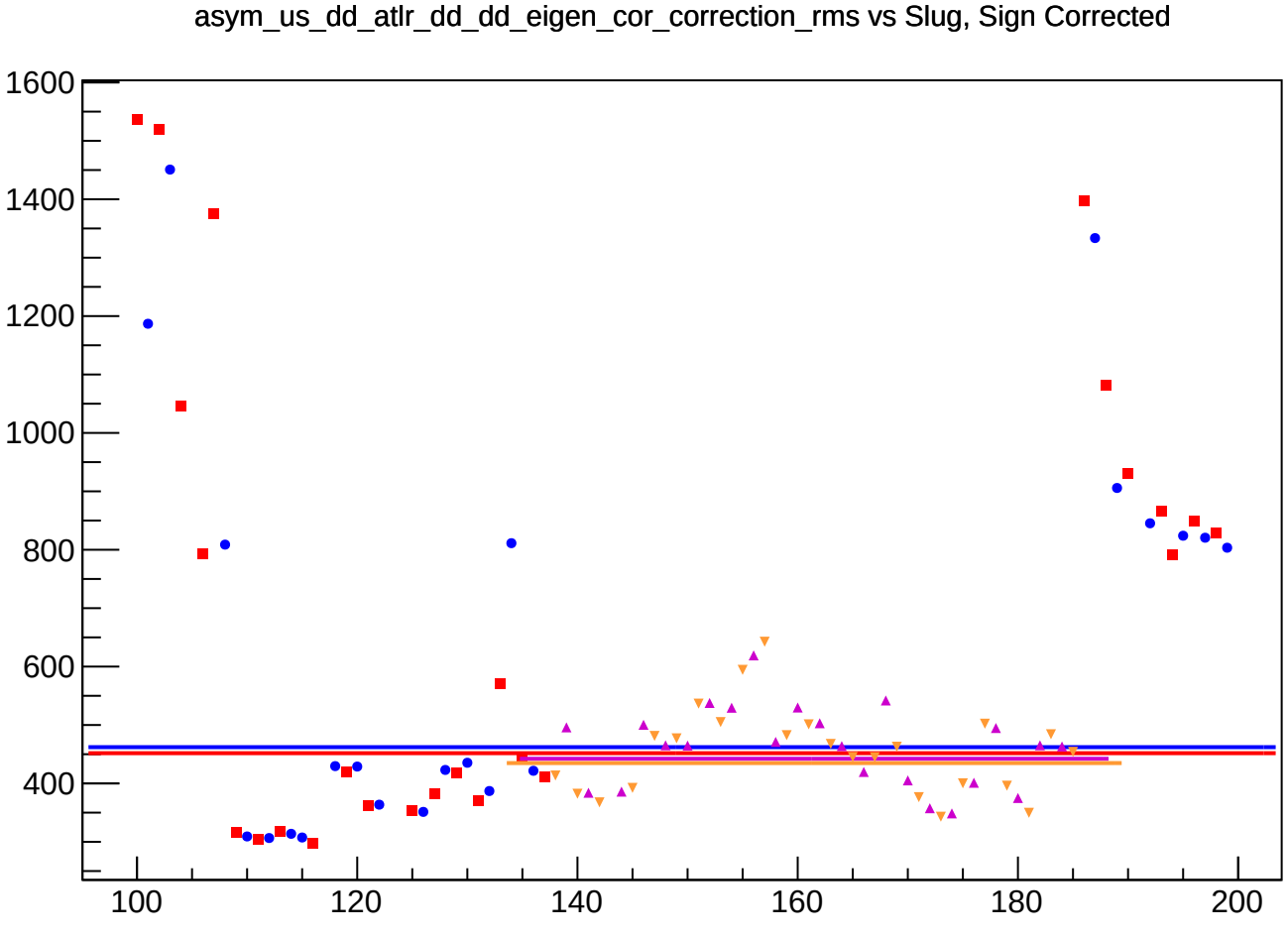
Left: -172.659+/-73.292 χ^2/NDF: 85.9/46

Right: 78.492+/-104.455 χ^2/NDF: 51.8/46

In: -17.931+/-85.872 χ^2/NDF:59.6/44

Out: -158.345+/-83.859 χ^2/NDF:80.6/48

All: -89.803+/-59.996 χ^2/NDF: 141.6/93



Right In: 462.087+/-0.106 χ^2/NDF: 3858091.0/21

Left Out: 434.856+/-0.073 χ^2/NDF:878507.3/23

Right Out: 451.767+/-0.103 χ^2/NDF: 4669367.8/24

Left In: 442.210+/-0.074 χ^2/NDF:825844.5/22

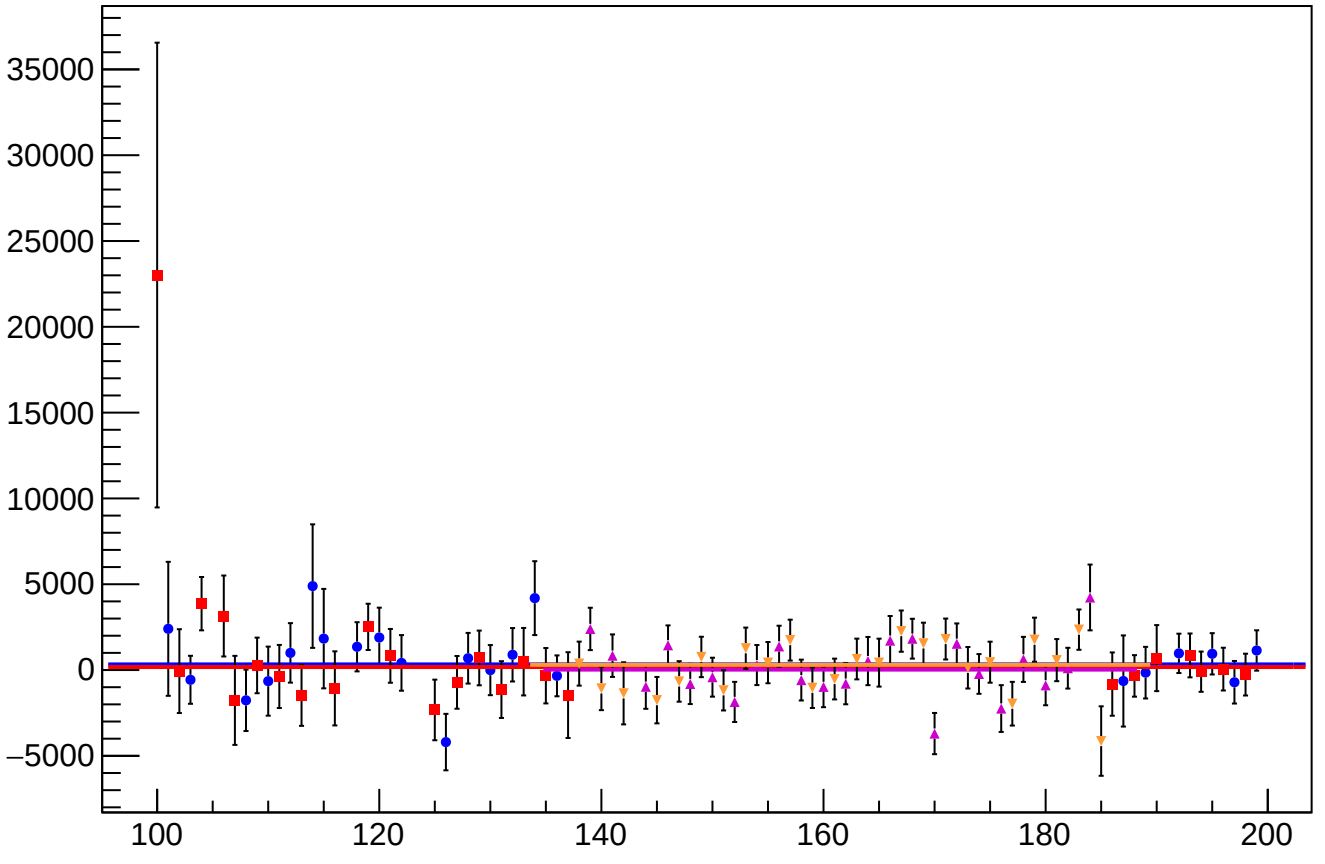
Left: 438.457+/-0.052 χ^2/NDF: 1709383.2/46

Right: 456.772+/-0.074 χ^2/NDF: 8532334.8/46

In: 448.724+/-0.061 χ^2/NDF:4707546.6/44

Out: 440.470+/-0.059 χ^2/NDF:5565913.1/48

All: 444.499+/-0.042 χ^2/NDF: 10282918.7/93



Right In: 327.825+/-335.149 χ^2/NDF: 19.0/21

Left Out: 303.404+/-255.556 χ^2/NDF:28.5/23

Right Out: 175.620+/-328.006 χ^2/NDF: 19.8/24

Left In: 25.319+/-256.866 χ^2/NDF:35.9/22

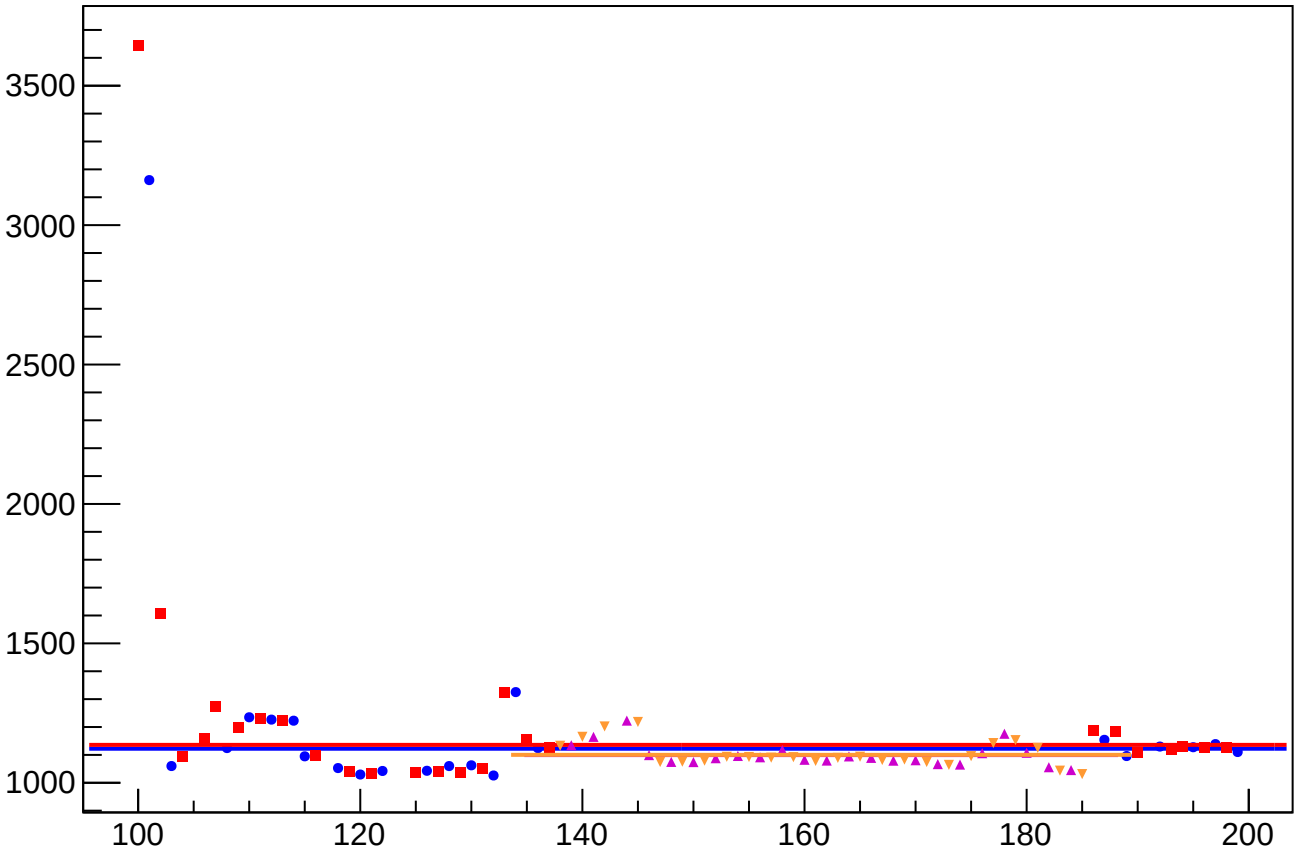
Left: 165.072+/-181.167 χ^2/NDF: 64.9/46

Right: 250.083+/-234.420 χ^2/NDF: 38.9/46

In: 137.258+/-203.875 χ^2/NDF:55.4/44

Out: 255.136+/-201.593 χ^2/NDF:48.4/48

All: 196.860+/-143.347 χ^2/NDF: 103.9/93



Right In: 1122.168+/-0.237 χ^2/NDF: 618623.1/21

Left Out: 1100.258+/-0.181 χ^2/NDF:48774.1/23

Right Out: 1135.976+/-0.232 χ^2/NDF: 233184.9/24

Left In: 1099.342+/-0.182 χ^2/NDF:44785.6/22

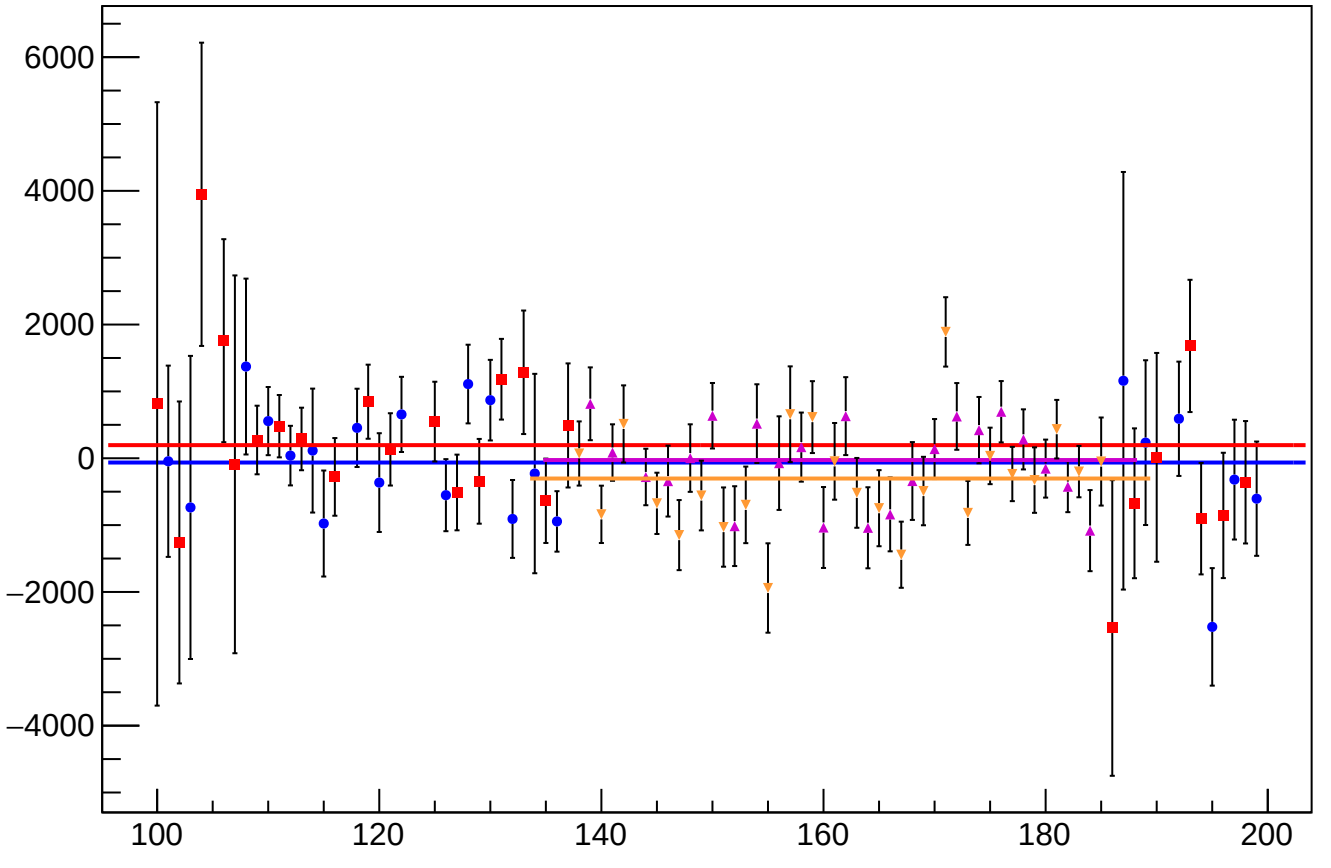
Left: 1099.802+/-0.128 χ^2/NDF: 93572.4/46

Right: 1129.221+/-0.166 χ^2/NDF: 853541.9/46

In: 1107.788+/-0.144 χ^2/NDF:669252.9/44

Out: 1113.750+/-0.143 χ^2/NDF:296716.4/48

All: 1110.803+/-0.101 χ^2/NDF: 966833.9/93



Right In: -63.927+/-150.390 χ^2/NDF: 29.0/21

Left Out: -303.217+/-102.979 χ^2/NDF:49.5/23

Right Out: 196.234+/-147.694 χ^2/NDF: 23.1/24

Left In: -26.740+/-105.420 χ^2/NDF:27.9/22

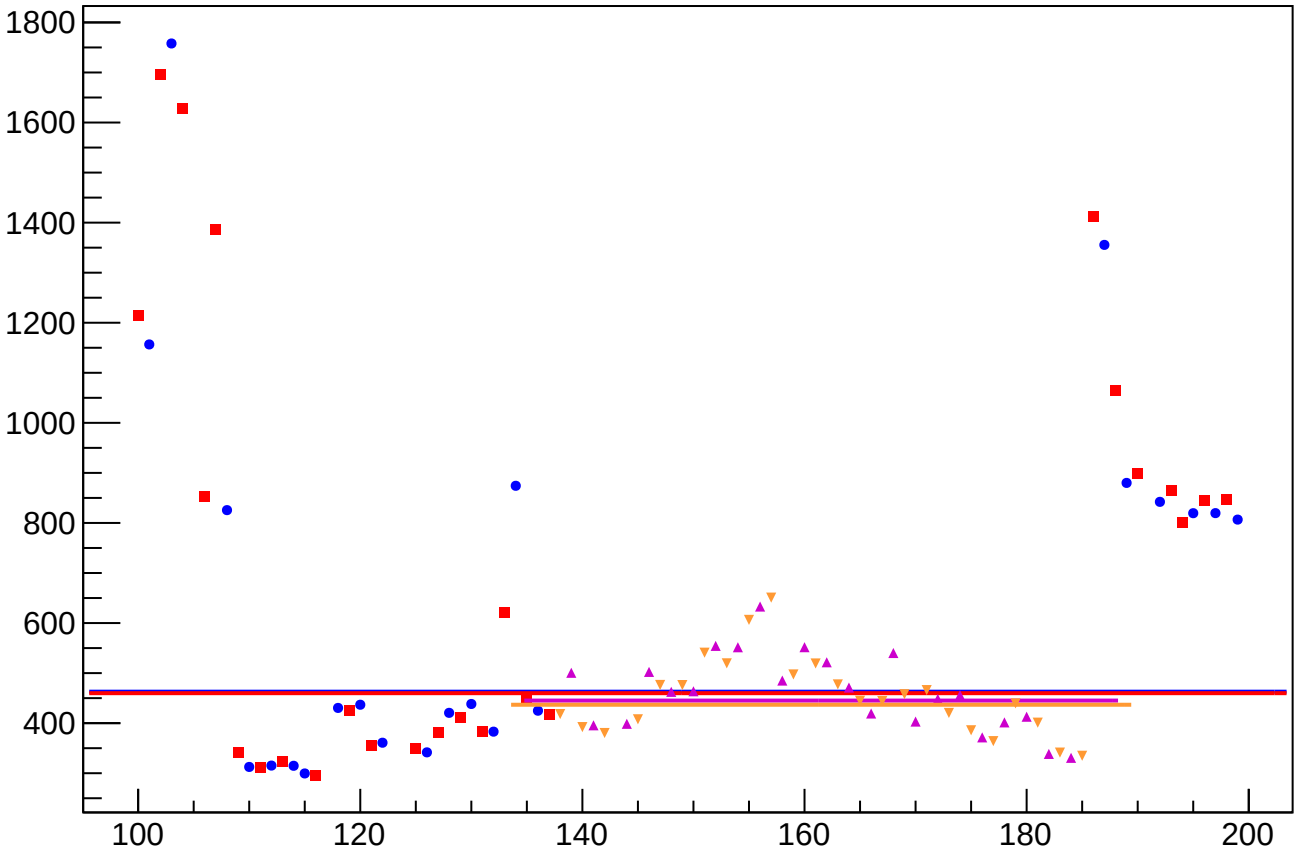
Left: -168.216+/-73.665 χ^2/NDF: 80.9/46

Right: 68.506+/-105.376 χ^2/NDF: 53.6/46

In: -38.992+/-86.324 χ^2/NDF:56.9/44

Out: -139.835+/-84.473 χ^2/NDF:80.3/48

All: -90.506+/-60.375 χ^2/NDF: 137.9/93



Right In: 462.893+/-0.106 χ^2/NDF: 3953389.3/21

Left Out: 436.787+/-0.073 χ^2/NDF:855206.3/23

Right Out: 459.900+/-0.104 χ^2/NDF: 5032938.3/24

Left In: 445.109+/-0.075 χ^2/NDF:874534.9/22

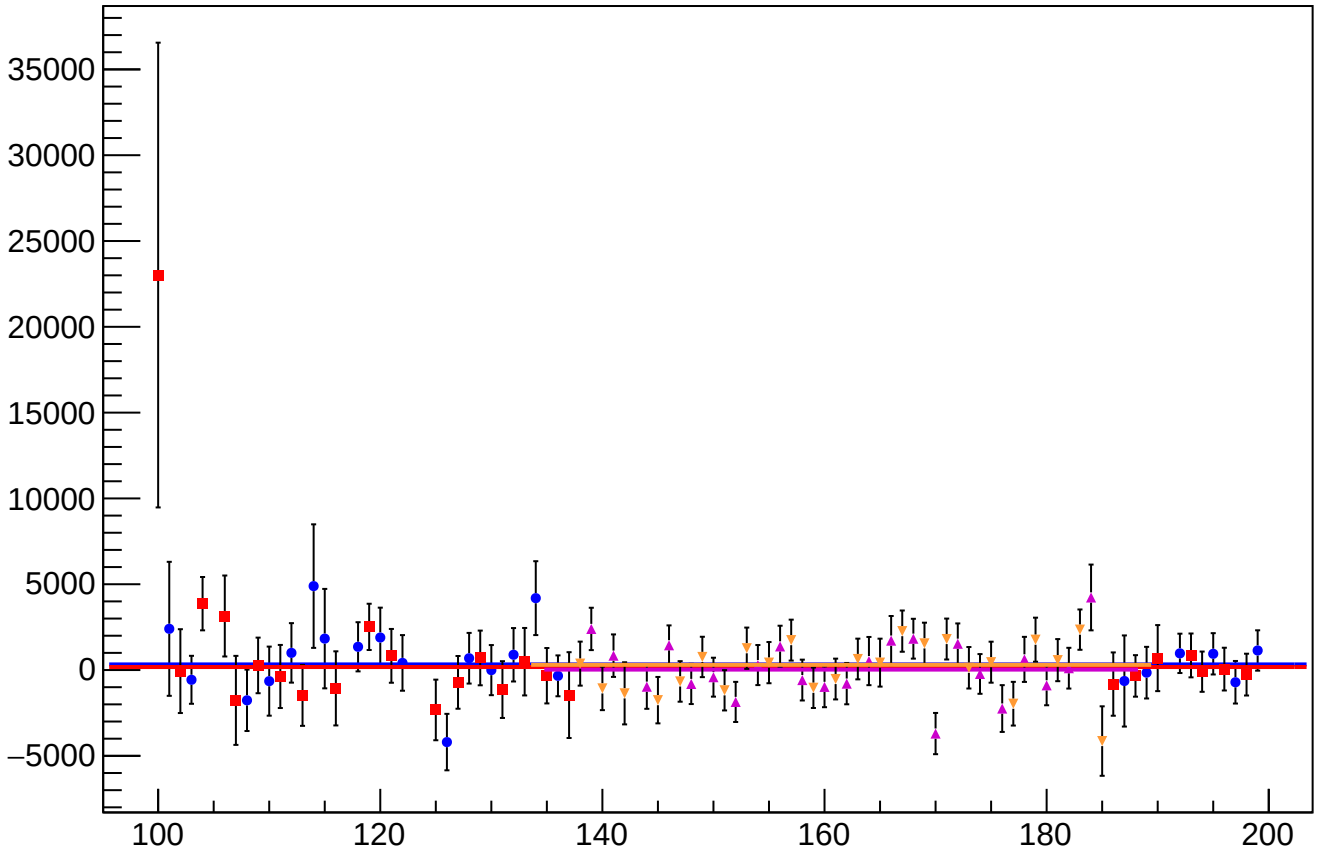
Left: 440.850+/-0.052 χ^2/NDF: 1736118.5/46

Right: 461.369+/-0.075 χ^2/NDF: 8986730.9/46

In: 450.968+/-0.061 χ^2/NDF:4846677.7/44

Out: 444.348+/-0.060 χ^2/NDF:5921100.8/48

All: 447.586+/-0.043 χ^2/NDF: 10773788.2/93



Right In: 327.828+/-335.149 χ^2/NDF: 19.0/21

Left Out: 303.402+/-255.556 χ^2/NDF:28.5/23

Right Out: 175.620+/-328.006 χ^2/NDF: 19.8/24

Left In: 25.320+/-256.866 χ^2/NDF:35.9/22

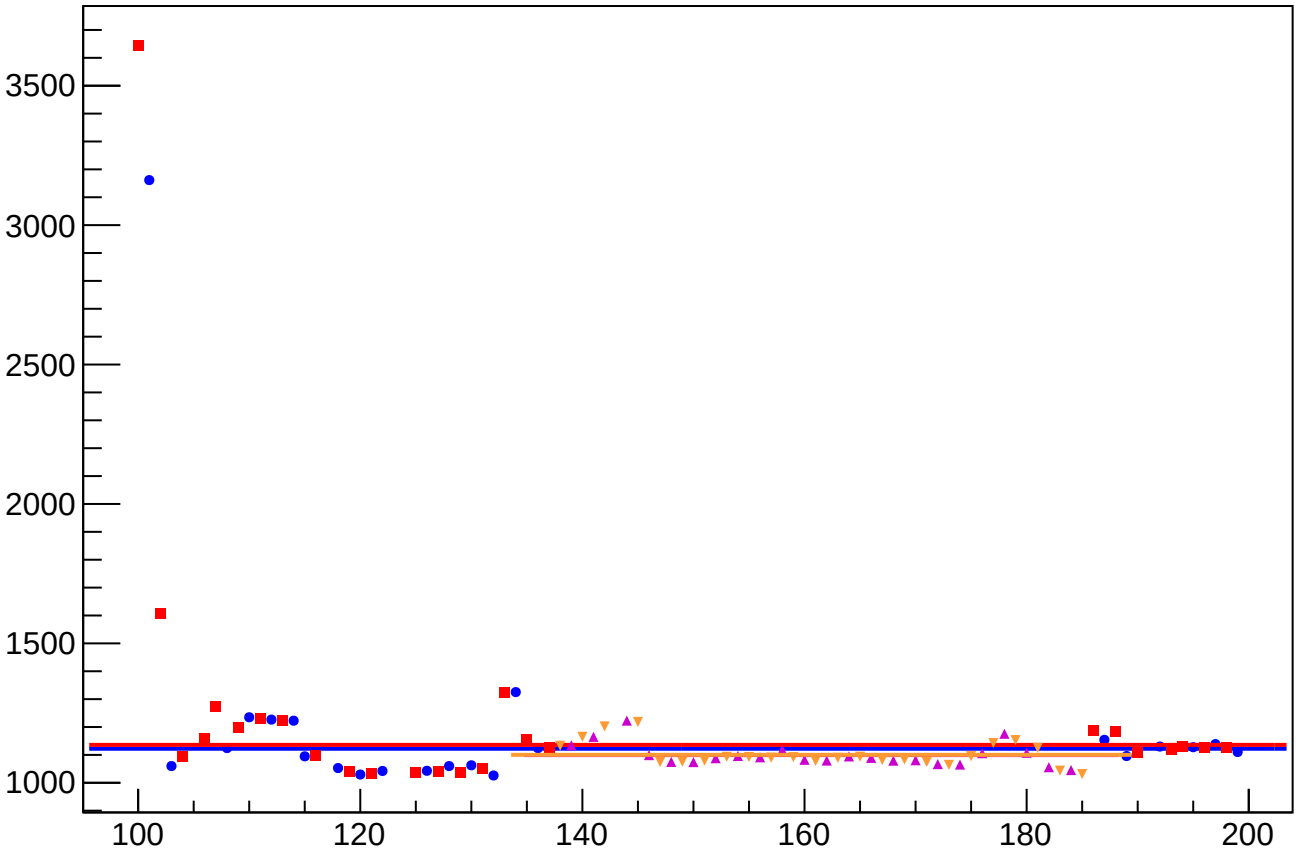
Left: 165.071+/-181.167 χ^2/NDF: 64.9/46

Right: 250.085+/-234.420 χ^2/NDF: 38.9/46

In: 137.260+/-203.875 χ^2/NDF:55.4/44

Out: 255.134+/-201.593 χ^2/NDF:48.4/48

All: 196.860+/-143.347 χ^2/NDF: 103.9/93



Right In: 1122.168+/-0.237 χ^2/NDF: 618623.0/21

Left Out: 1100.258+/-0.181 χ^2/NDF:48774.3/23

Right Out: 1135.976+/-0.232 χ^2/NDF: 233185.0/24

Left In: 1099.342+/-0.182 χ^2/NDF:44785.7/22

Left: 1099.802+/-0.128 χ^2/NDF: 93572.8/46

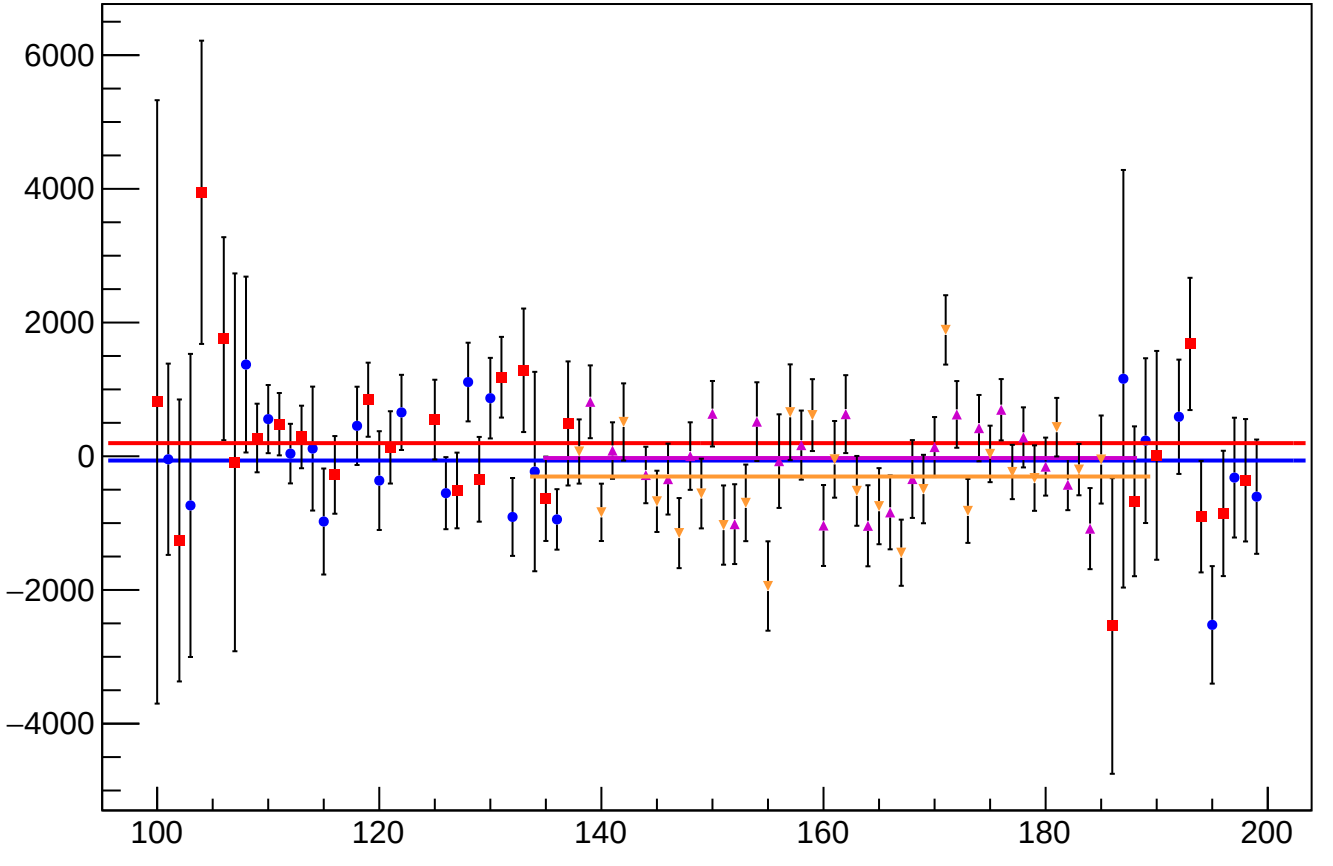
Right: 1129.221+/-0.166 χ^2/NDF: 853541.9/46

In: 1107.788+/-0.144 χ^2/NDF:669253.0/44

Out: 1113.750+/-0.143 χ^2/NDF:296716.7/48

All: 1110.803+/-0.101 χ^2/NDF: 966834.3/93

asym_us_dd_atlr_dd_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -63.929+/-150.389 χ^2/NDF: 29.0/21

Left Out: -303.218+/-102.979 χ^2/NDF:49.5/23

Right Out: 196.233+/-147.693 χ^2/NDF: 23.1/24

Left In: -26.739+/-105.420 χ^2/NDF:27.9/22

Left: -168.217+/-73.665 χ^2/NDF: 80.9/46

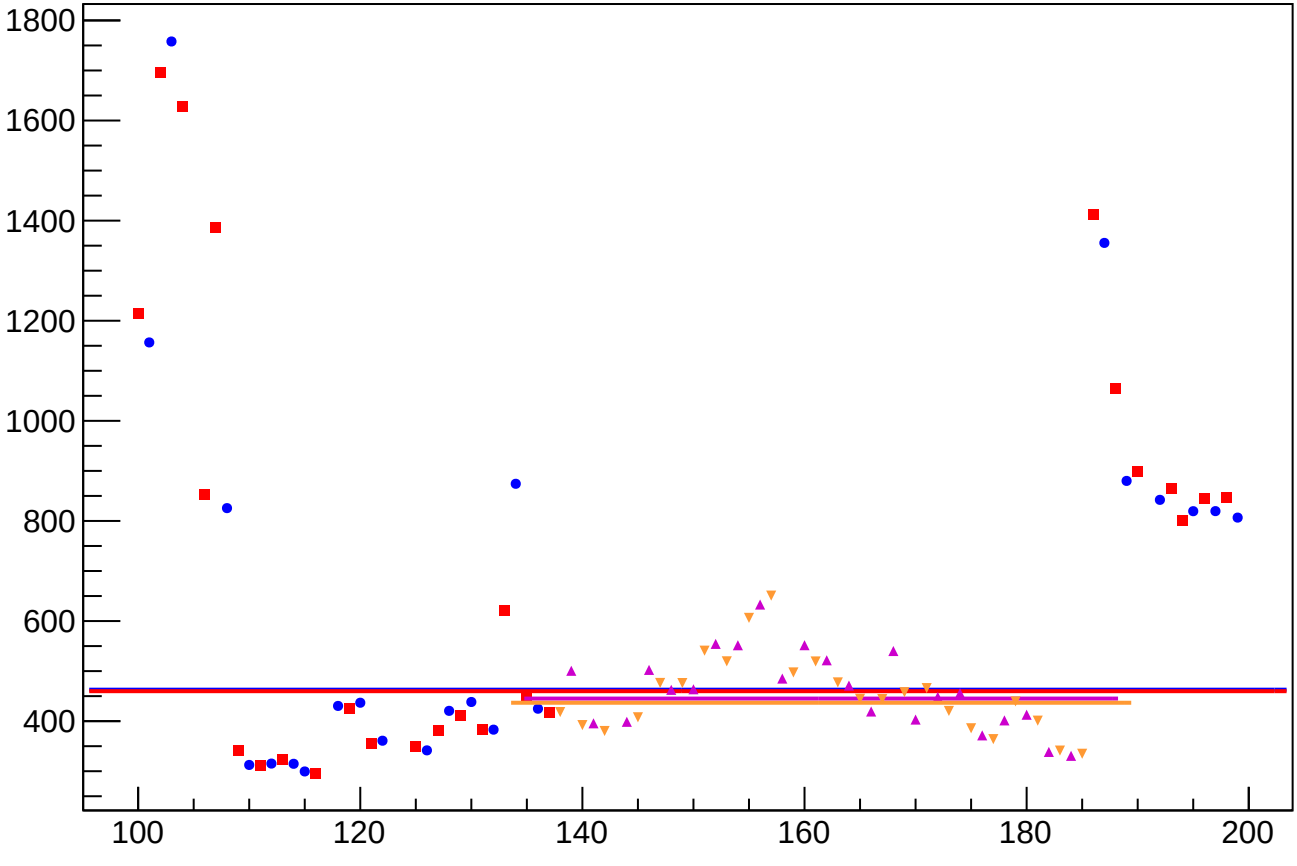
Right: 68.505+/-105.375 χ^2/NDF: 53.6/46

In: -38.992+/-86.324 χ^2/NDF:56.9/44

Out: -139.834+/-84.473 χ^2/NDF:80.3/48

All: -90.506+/-60.375 χ^2/NDF: 137.9/93

asym_us_dd_atlr_dd_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 462.890+/-0.106 χ^2/NDF: 3953417.5/21

Left Out: 436.787+/-0.073 χ^2/NDF:855236.5/23

Right Out: 459.896+/-0.104 χ^2/NDF: 5032977.0/24

Left In: 445.108+/-0.075 χ^2/NDF:874568.8/22

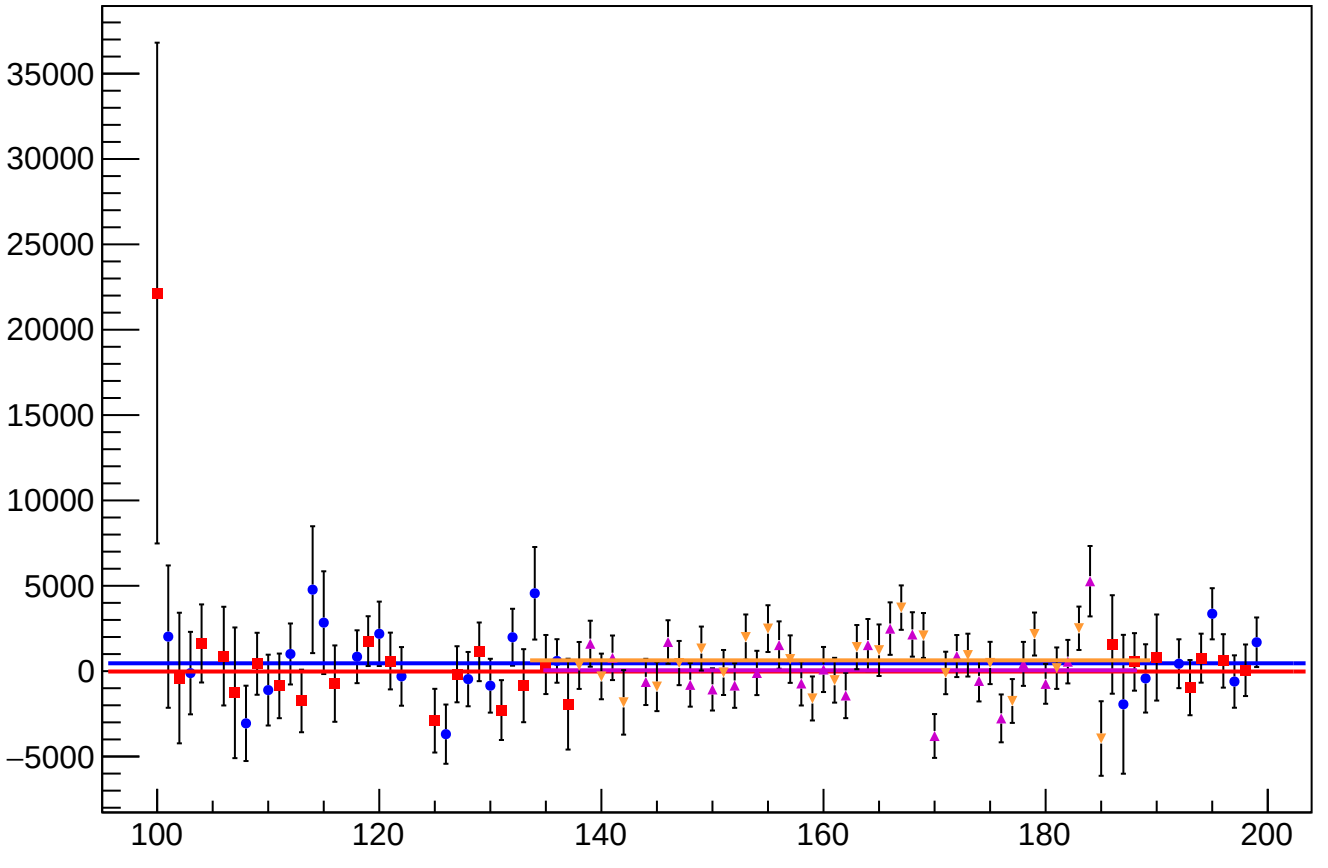
Left: 440.850+/-0.052 χ^2/NDF: 1736182.6/46

Right: 461.366+/-0.075 χ^2/NDF: 8986798.0/46

In: 450.967+/-0.061 χ^2/NDF:4846733.9/44

Out: 444.346+/-0.060 χ^2/NDF:5921160.8/48

All: 447.585+/-0.043 χ^2/NDF: 10773904.5/93



Right In: 460.107+/-389.752 χ^2/NDF: 21.9/21

Left Out: 632.875+/-274.060 χ^2/NDF:30.1/23

Right Out: -21.740+/-385.639 χ^2/NDF: 12.4/24

Left In: 50.835+/-276.213 χ^2/NDF:35.0/22

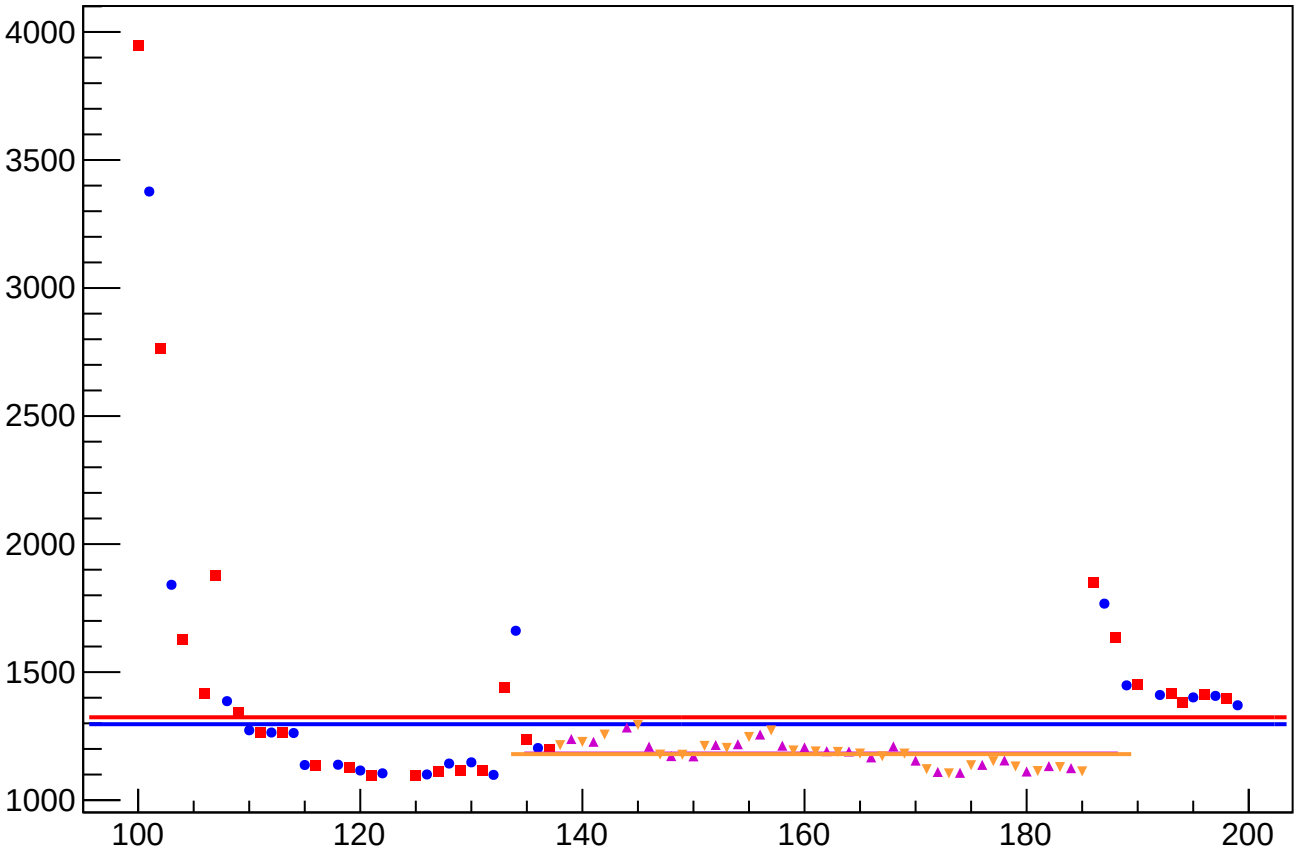
Left: 344.131+/-194.546 χ^2/NDF: 67.4/46

Right: 216.628+/-274.130 χ^2/NDF: 35.1/46

In: 187.666+/-225.358 χ^2/NDF:57.6/44

Out: 413.207+/-223.394 χ^2/NDF:44.5/48

All: 301.424+/-158.653 χ^2/NDF: 102.6/93



Right In: 1296.597+/-0.276 χ^2/NDF: 887323.1/21

Left Out: 1179.713+/-0.194 χ^2/NDF:64667.7/23

Right Out: 1323.674+/-0.273 χ^2/NDF: 815832.3/24

Left In: 1181.929+/-0.195 χ^2/NDF:60355.9/22

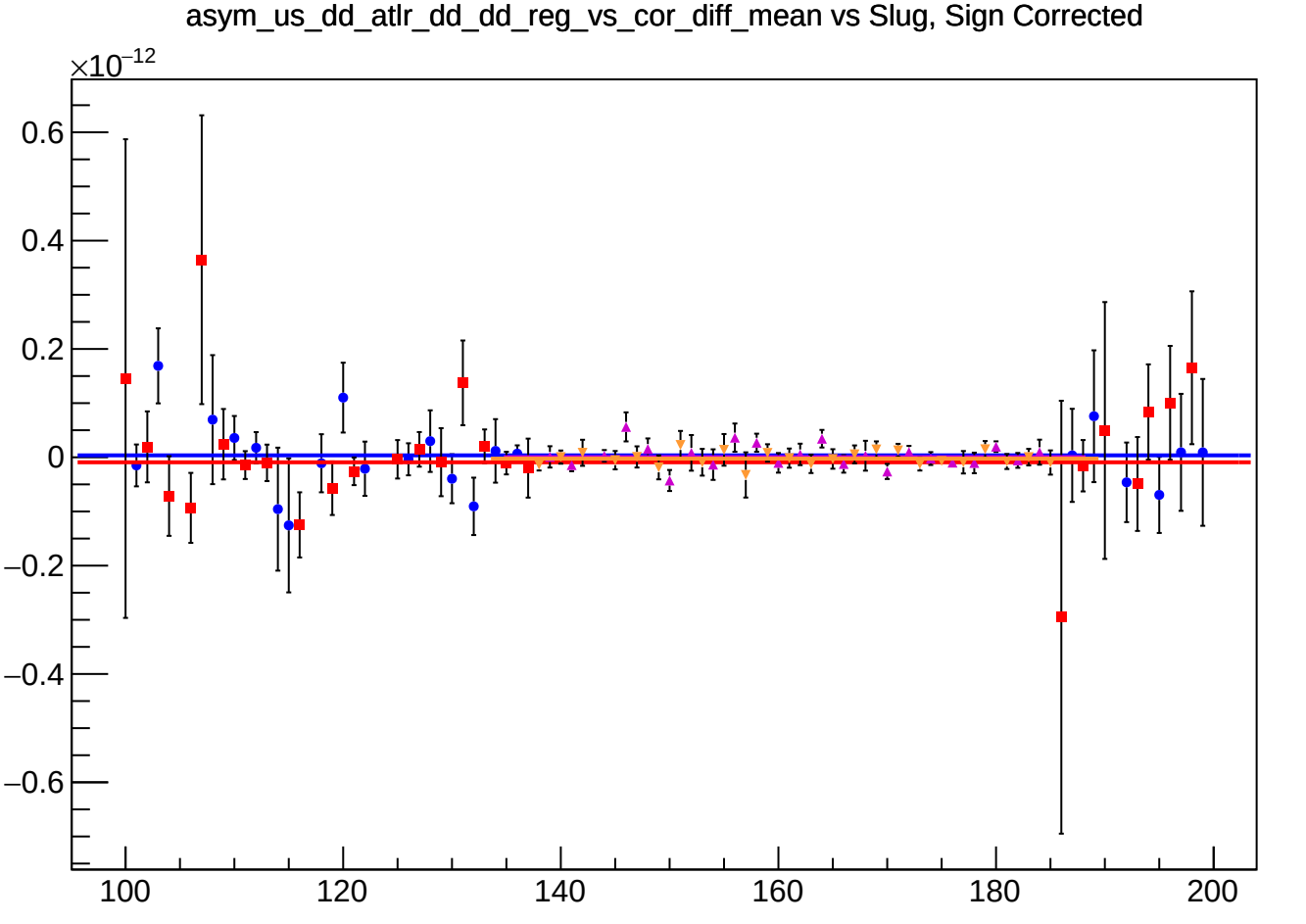
Left: 1180.812+/-0.138 χ^2/NDF: 125088.5/46

Right: 1310.279+/-0.194 χ^2/NDF: 1708033.2/46

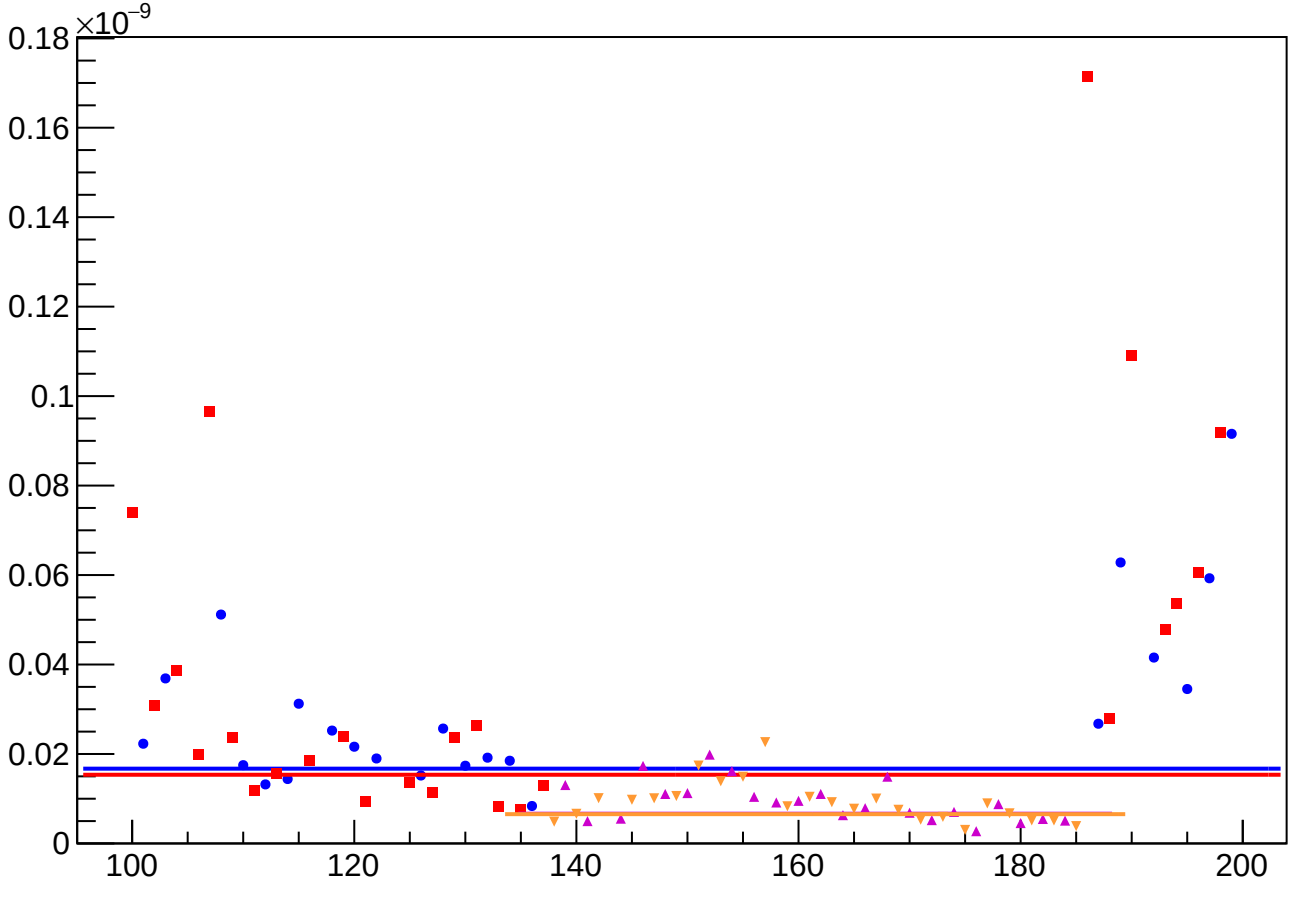
In: 1220.265+/-0.159 χ^2/NDF:1062917.3/44

Out: 1228.022+/-0.158 χ^2/NDF:1065685.9/48

All: 1224.178+/-0.112 χ^2/NDF: 2129798.1/93


asym_us_dd_atlr_dd_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 18.3/21
Left Out: -0.000+/-0.000 χ²/NDF:10.5/23
Right Out: -0.000+/-0.000 χ²/NDF: 19.6/24
Left In: 0.000+/-0.000 χ²/NDF:32.5/22
Left: -0.000+/-0.000 χ²/NDF: 43.4/46
Right: -0.000+/-0.000 χ²/NDF: 38.9/46
In: 0.000+/-0.000 χ²/NDF:50.9/44
Out: -0.000+/-0.000 χ²/NDF:30.6/48
All: -0.000+/-0.000 χ²/NDF: 82.4/93

asym_us_dd_atlr_dd_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2751195.5/21

Left Out: 0.000+/-0.000 χ^2/NDF:2332749.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 3676775.2/24

Left In: 0.000+/-0.000 χ^2/NDF:2542530.1/22

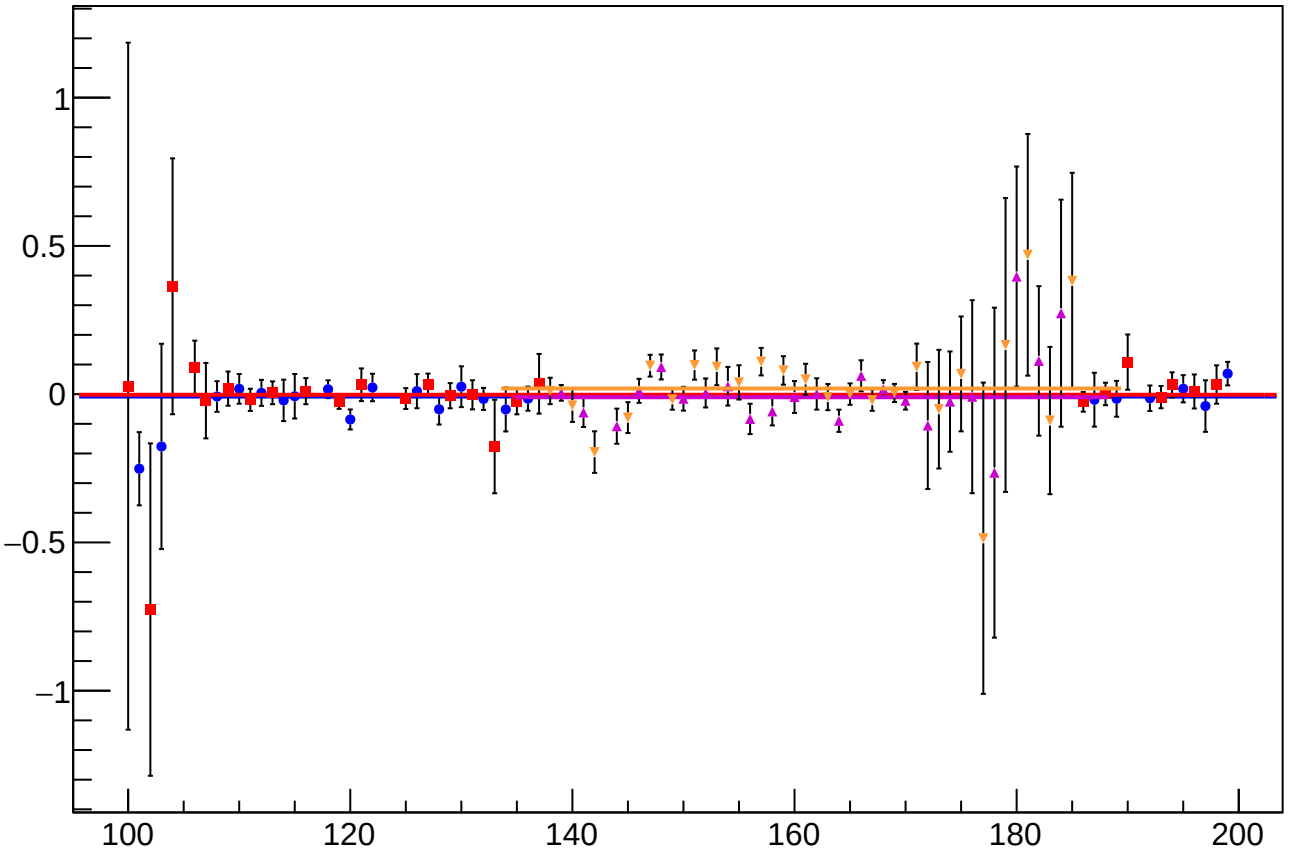
Left: 0.000+/-0.000 χ^2/NDF: 4876422.9/46

Right: 0.000+/-0.000 χ^2/NDF: 6449903.2/46

In: 0.000+/-0.000 χ^2/NDF:7392496.7/44

Out: 0.000+/-0.000 χ^2/NDF:7721693.8/48

All: 0.000+/-0.000 χ^2/NDF: 15118879.6/93



Right In: -0.008+/-0.011 χ^2/NDF: 16.6/21

Left Out: 0.019+/-0.011 χ^2/NDF:35.9/23

Right Out: -0.002+/-0.009 χ^2/NDF: 10.8/24

Left In: -0.010+/-0.010 χ^2/NDF:23.6/22

Left: 0.004+/-0.007 χ^2/NDF: 63.5/46

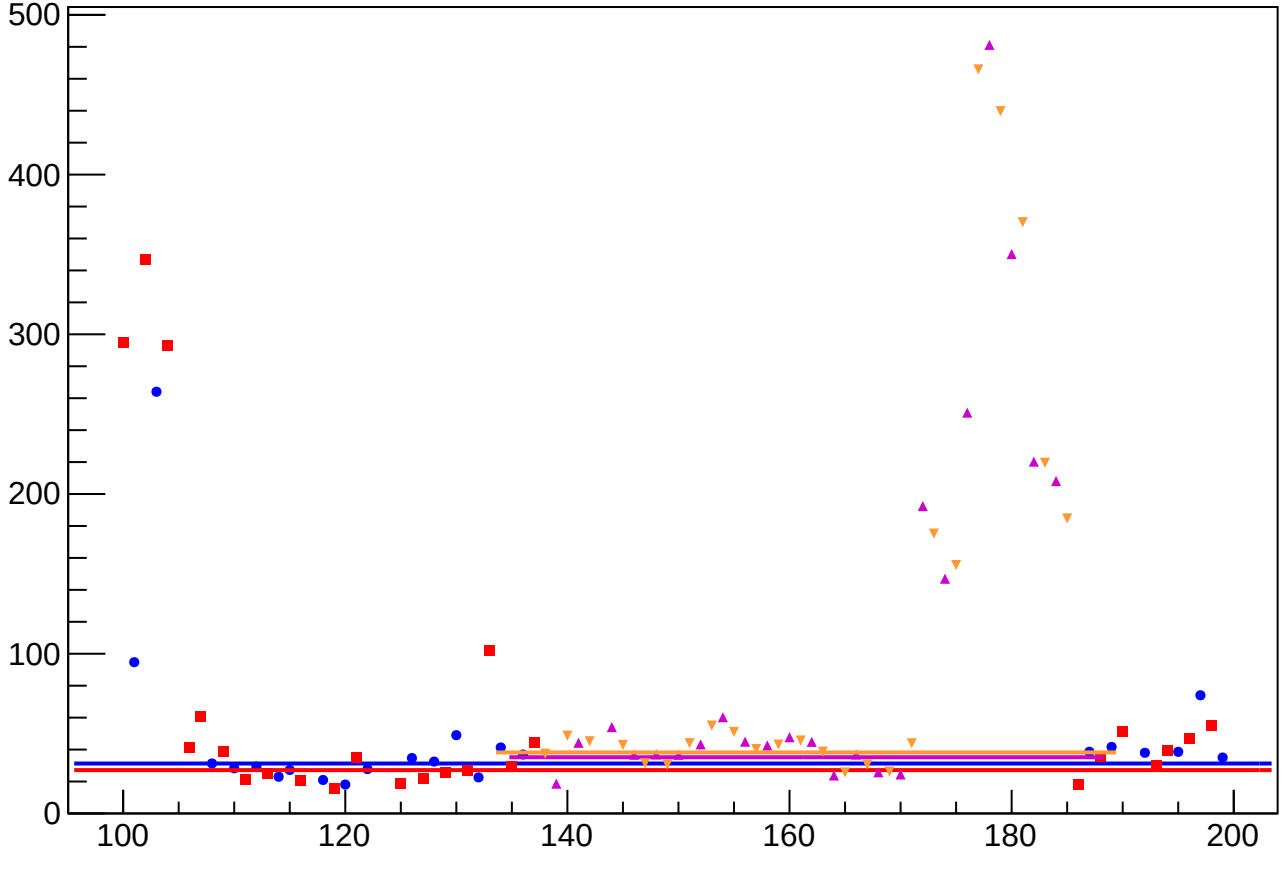
Right: -0.005+/-0.007 χ^2/NDF: 27.6/46

In: -0.009+/-0.007 χ^2/NDF:40.2/44

Out: 0.007+/-0.007 χ^2/NDF:48.9/48

All: -0.001+/-0.005 χ^2/NDF: 91.7/93

asym_us_dd_atlr_dd_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 31.269+/-0.008 χ^2/NDF: 3026166.9/21

Left Out: 38.211+/-0.008 χ^2/NDF:8285024.8/23

Right Out: 27.132+/-0.007 χ^2/NDF: 4225273.5/24

Left In: 35.195+/-0.007 χ^2/NDF:9390926.6/22

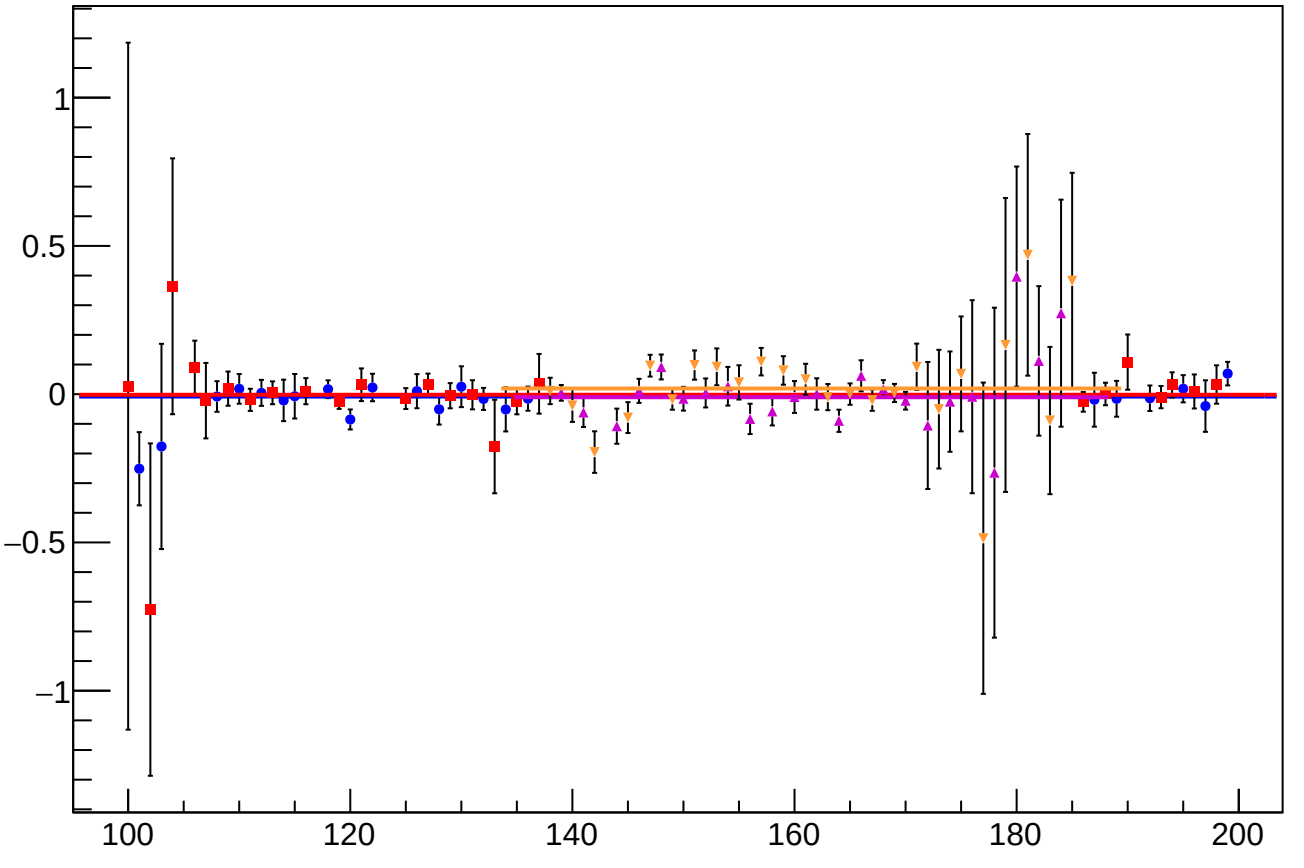
Left: 36.625+/-0.005 χ^2/NDF: 17757838.6/46

Right: 28.952+/-0.005 χ^2/NDF: 7419706.6/46

In: 33.309+/-0.005 χ^2/NDF:12557726.7/44

Out: 31.938+/-0.005 χ^2/NDF:13700262.8/48

All: 32.597+/-0.004 χ^2/NDF: 26293647.8/93



Right In: -0.008+/-0.011 χ^2/NDF: 16.6/21

Left Out: 0.019+/-0.011 χ^2/NDF:35.9/23

Right Out: -0.002+/-0.009 χ^2/NDF: 10.8/24

Left In: -0.010+/-0.010 χ^2/NDF:23.6/22

Left: 0.004+/-0.007 χ^2/NDF: 63.5/46

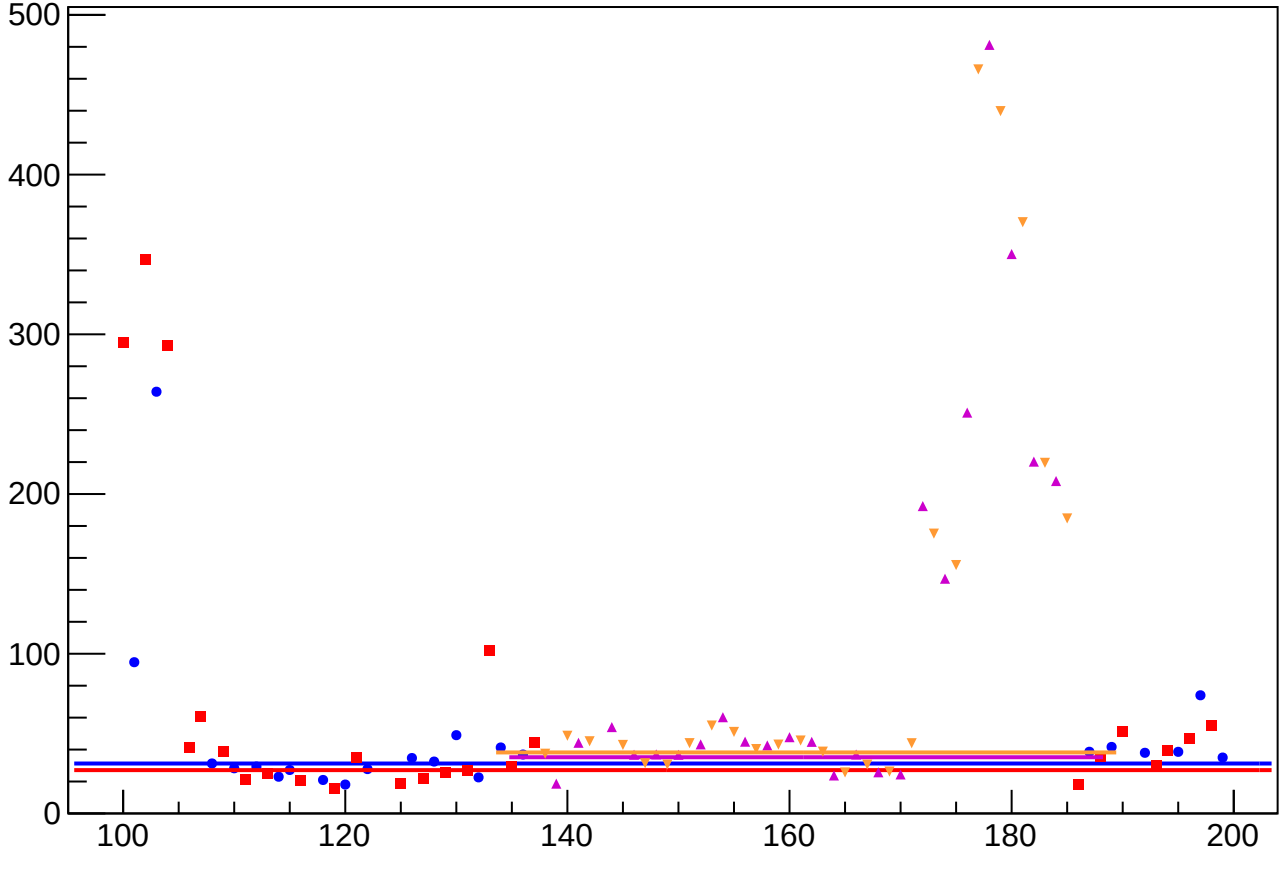
Right: -0.005+/-0.007 χ^2/NDF: 27.6/46

In: -0.009+/-0.007 χ^2/NDF:40.2/44

Out: 0.007+/-0.007 χ^2/NDF:48.9/48

All: -0.001+/-0.005 χ^2/NDF: 91.7/93

asym_us_dd_atlr_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 31.269+/-0.008 χ^2/NDF: 3026166.9/21

Left Out: 38.211+/-0.008 χ^2/NDF:8285024.8/23

Right Out: 27.132+/-0.007 χ^2/NDF: 4225273.5/24

Left In: 35.195+/-0.007 χ^2/NDF:9390926.6/22

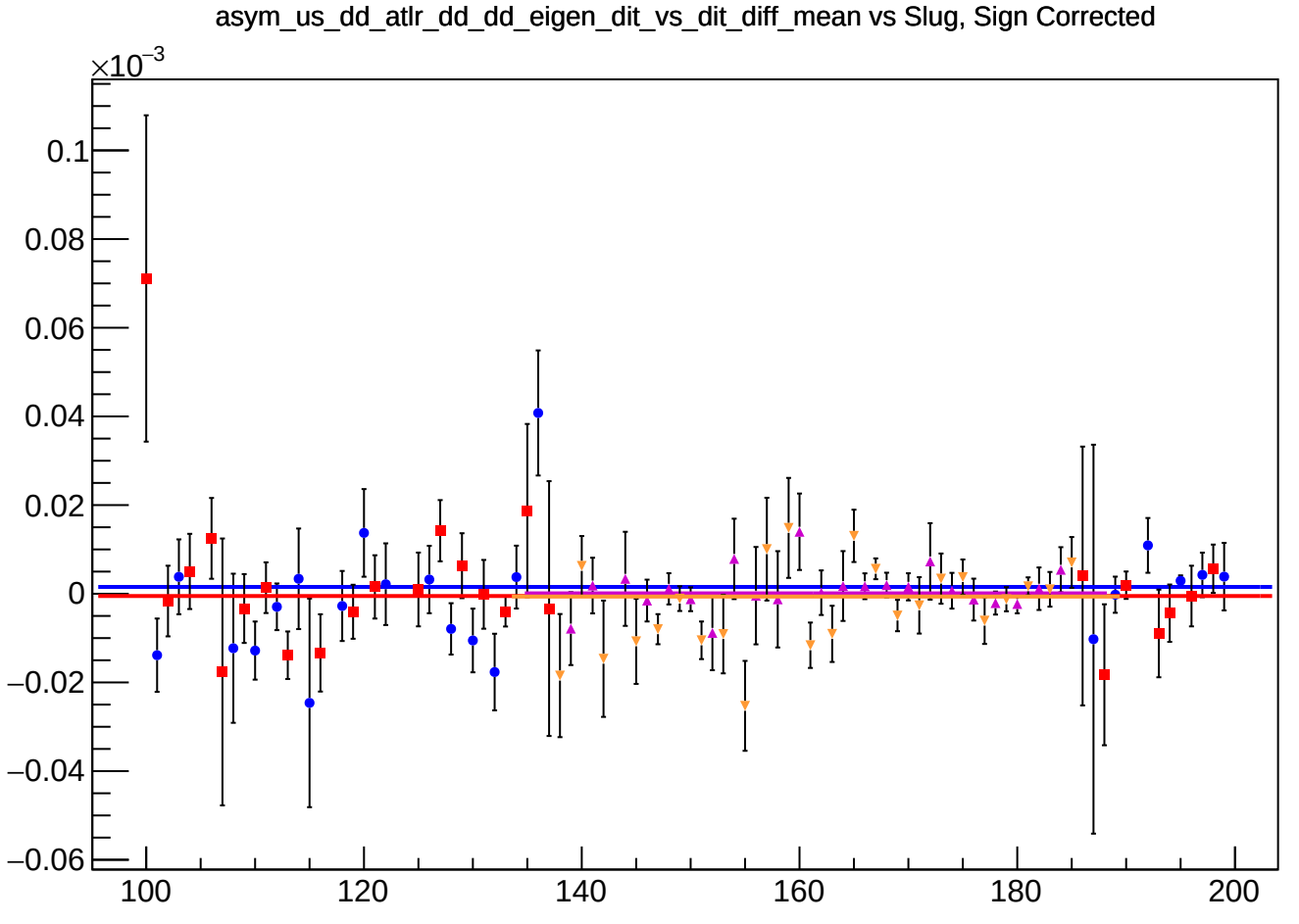
Left: 36.625+/-0.005 χ^2/NDF: 17757838.6/46

Right: 28.952+/-0.005 χ^2/NDF: 7419706.6/46

In: 33.309+/-0.005 χ^2/NDF:12557726.7/44

Out: 31.938+/-0.005 χ^2/NDF:13700262.8/48

All: 32.597+/-0.004 χ^2/NDF: 26293647.8/93



Right In: 0.000+/-0.000 χ^2/NDF: 35.4/21

Left Out: -0.000+/-0.000 χ^2/NDF:51.2/23

Right Out: -0.000+/-0.000 χ^2/NDF: 27.4/24

Left In: 0.000+/-0.000 χ^2/NDF:11.0/22

Left: -0.000+/-0.000 χ^2/NDF: 62.5/46

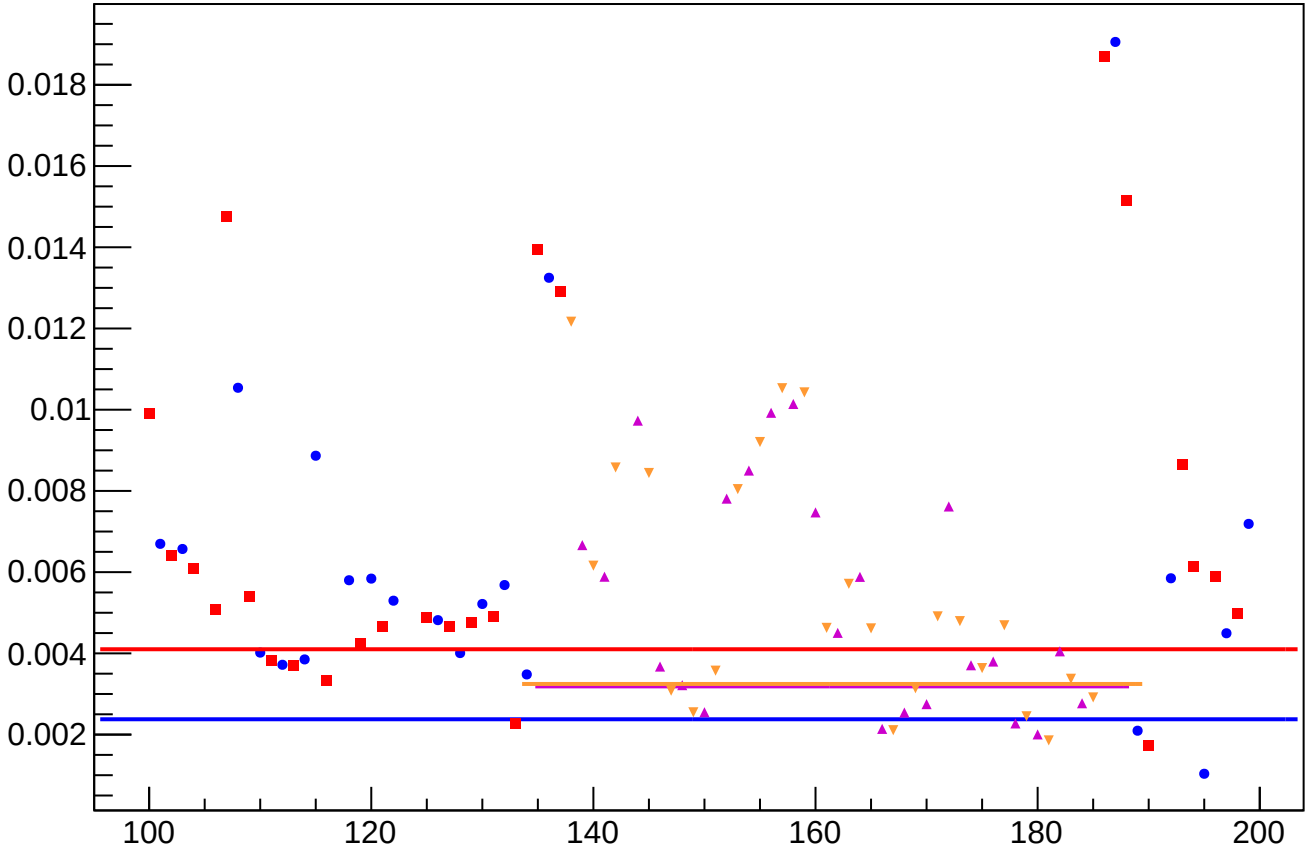
Right: 0.000+/-0.000 χ^2/NDF: 64.3/46

In: 0.000+/-0.000 χ^2/NDF:47.6/44

Out: -0.000+/-0.000 χ^2/NDF:78.6/48

All: 0.000+/-0.000 χ^2/NDF: 128.0/93

asym_us_dd_atlr_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 9484033.7/21

Left Out: 0.003+/-0.000 χ^2/NDF:7736973.1/23

Right Out: 0.004+/-0.000 χ^2/NDF: 5493494.1/24

Left In: 0.003+/-0.000 χ^2/NDF:7301771.9/22

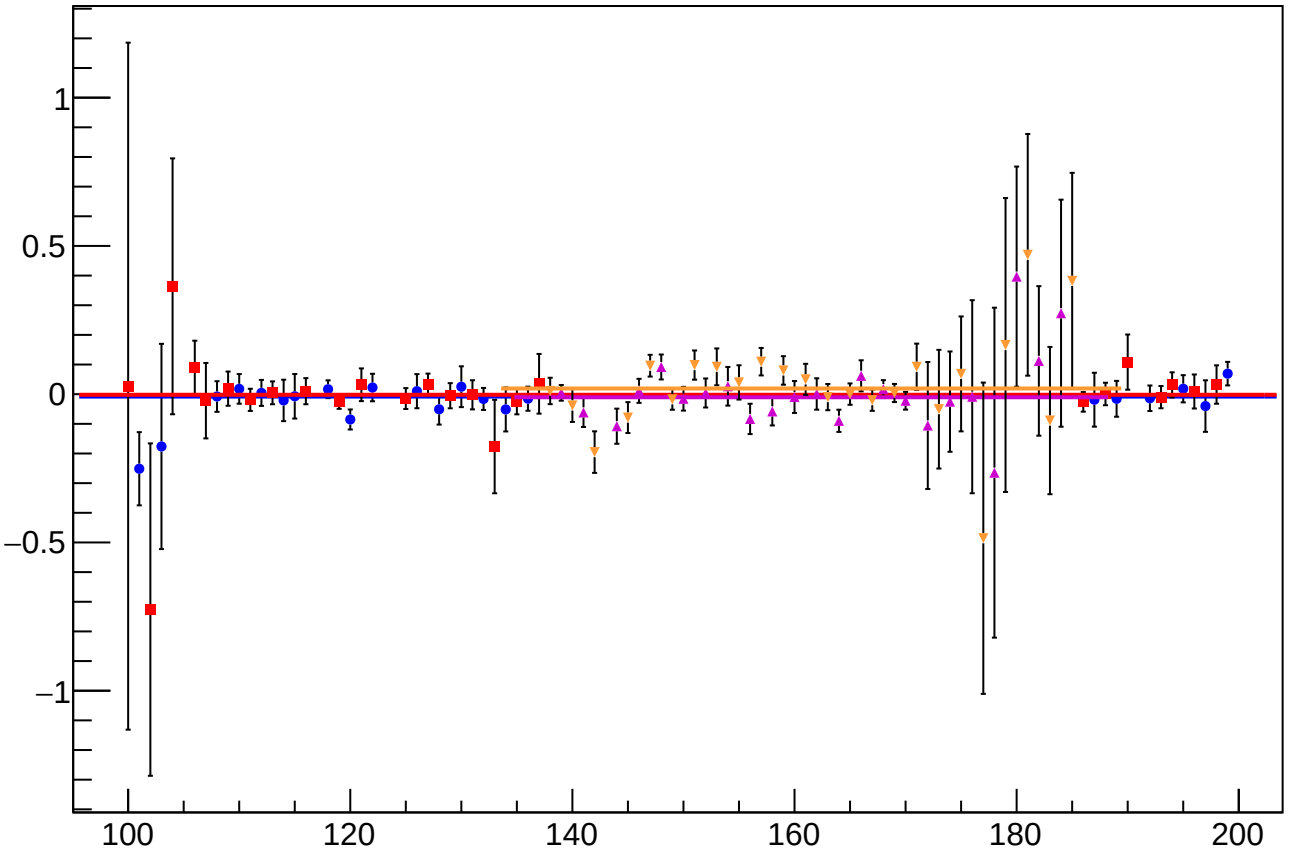
Left: 0.003+/-0.000 χ^2/NDF: 15043467.2/46

Right: 0.003+/-0.000 χ^2/NDF: 17118886.6/46

In: 0.003+/-0.000 χ^2/NDF:17565029.9/44

Out: 0.003+/-0.000 χ^2/NDF:13796529.2/48

All: 0.003+/-0.000 χ^2/NDF: 32291369.7/93



Right In: -0.008+/-0.011 χ^2/NDF: 16.6/21

Left Out: 0.019+/-0.011 χ^2/NDF:35.9/23

Right Out: -0.002+/-0.009 χ^2/NDF: 10.8/24

Left In: -0.010+/-0.010 χ^2/NDF:23.6/22

Left: 0.004+/-0.007 χ^2/NDF: 63.5/46

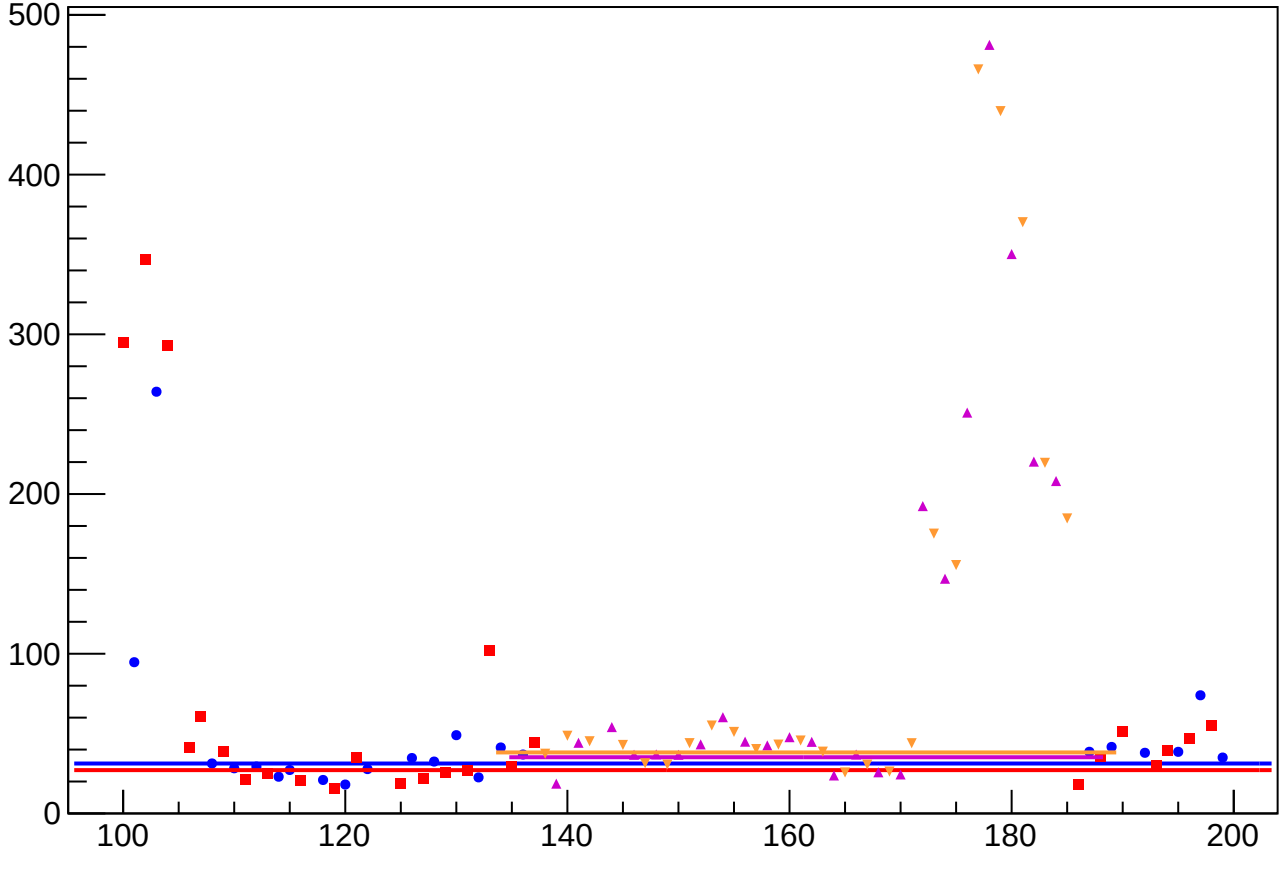
Right: -0.005+/-0.007 χ^2/NDF: 27.6/46

In: -0.009+/-0.007 χ^2/NDF:40.2/44

Out: 0.007+/-0.007 χ^2/NDF:48.9/48

All: -0.001+/-0.005 χ^2/NDF: 91.7/93

asym_us_dd_atlr_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 31.269+/-0.008 χ^2/NDF: 3026200.5/21

Left Out: 38.210+/-0.008 χ^2/NDF:8285200.7/23

Right Out: 27.130+/-0.007 χ^2/NDF: 4225631.9/24

Left In: 35.195+/-0.007 χ^2/NDF:9391361.4/22

Left: 36.625+/-0.005 χ^2/NDF: 17758448.1/46

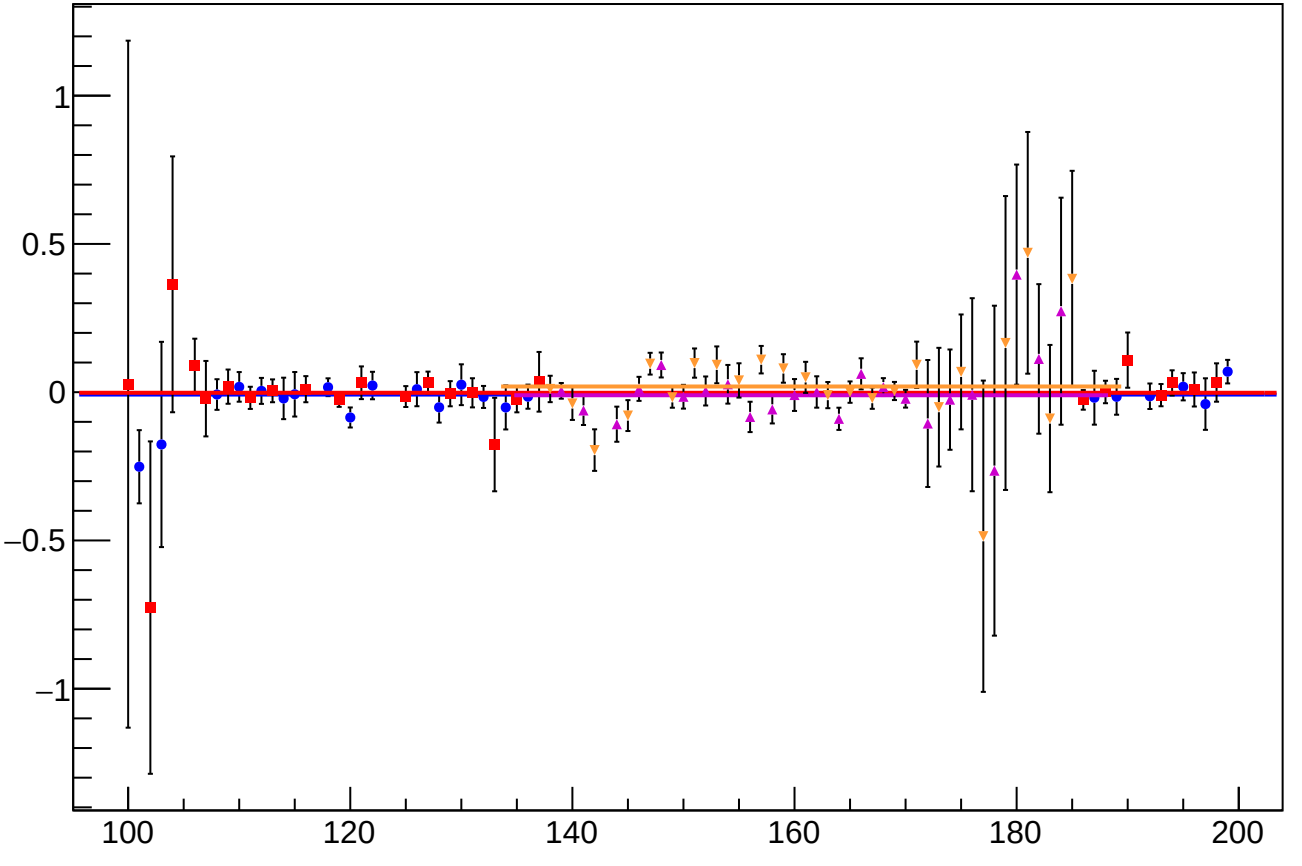
Right: 28.951+/-0.005 χ^2/NDF: 7420286.5/46

In: 33.309+/-0.005 χ^2/NDF:12558166.4/44

Out: 31.936+/-0.005 χ^2/NDF:13701243.6/48

All: 32.596+/-0.004 χ^2/NDF: 26295150.4/93

asym_us_dd_atlr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.008+/-0.011 χ^2/NDF: 16.6/21

Left Out: 0.019+/-0.011 χ^2/NDF:35.9/23

Right Out: -0.002+/-0.009 χ^2/NDF: 10.8/24

Left In: -0.010+/-0.010 χ^2/NDF:23.6/22

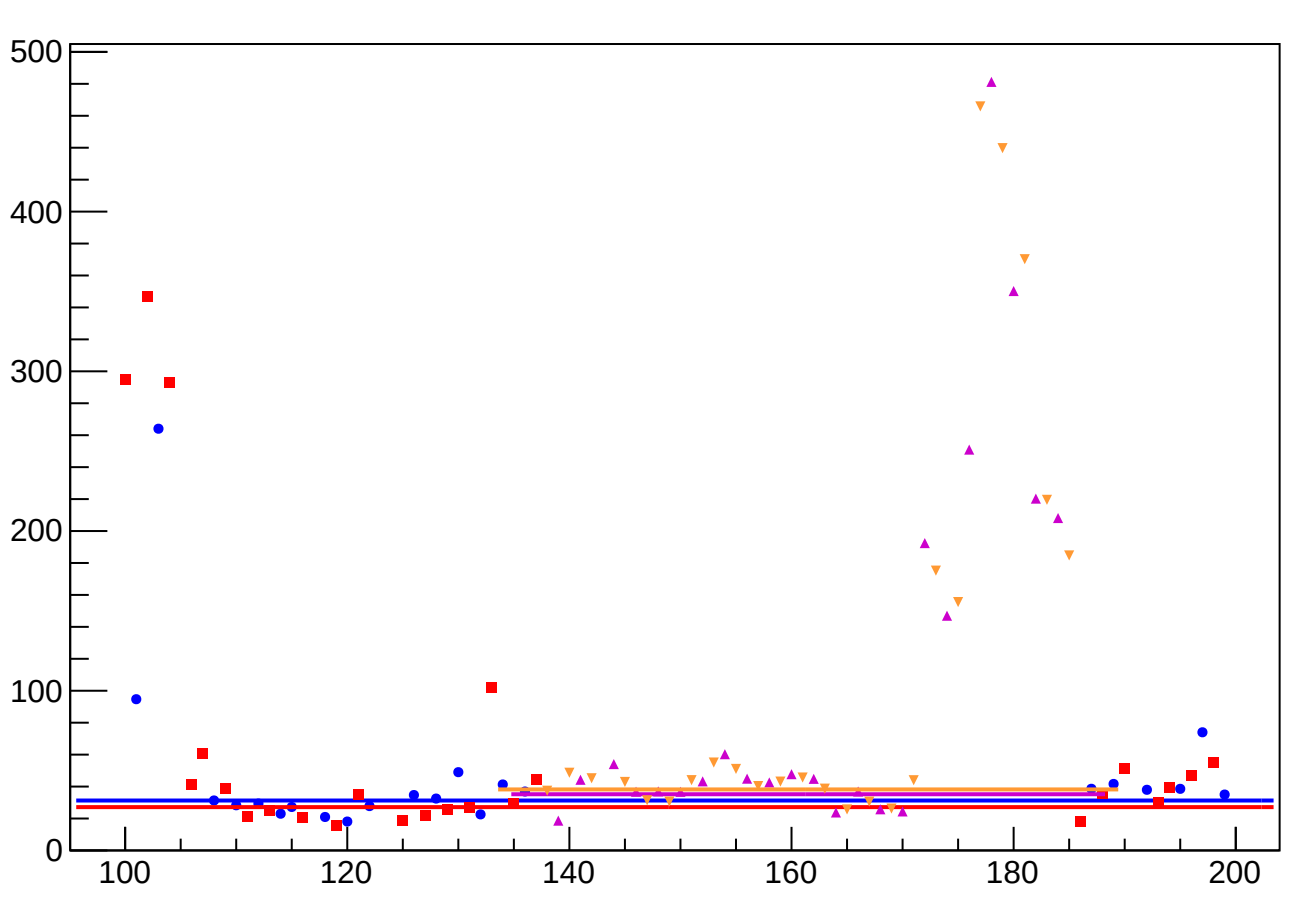
Left: 0.004+/-0.007 χ^2/NDF: 63.5/46

Right: -0.005+/-0.007 χ^2/NDF: 27.6/46

In: -0.009+/-0.007 χ^2/NDF:40.2/44

Out: 0.007+/-0.007 χ^2/NDF:48.9/48

All: -0.001+/-0.005 χ^2/NDF: 91.7/93



Right In: 31.269+/-0.008 χ^2/NDF: 3026200.5/21

Left Out: 38.210+/-0.008 χ^2/NDF:8285200.7/23

Right Out: 27.130+/-0.007 χ^2/NDF: 4225631.9/24

Left In: 35.195+/-0.007 χ^2/NDF:9391361.4/22

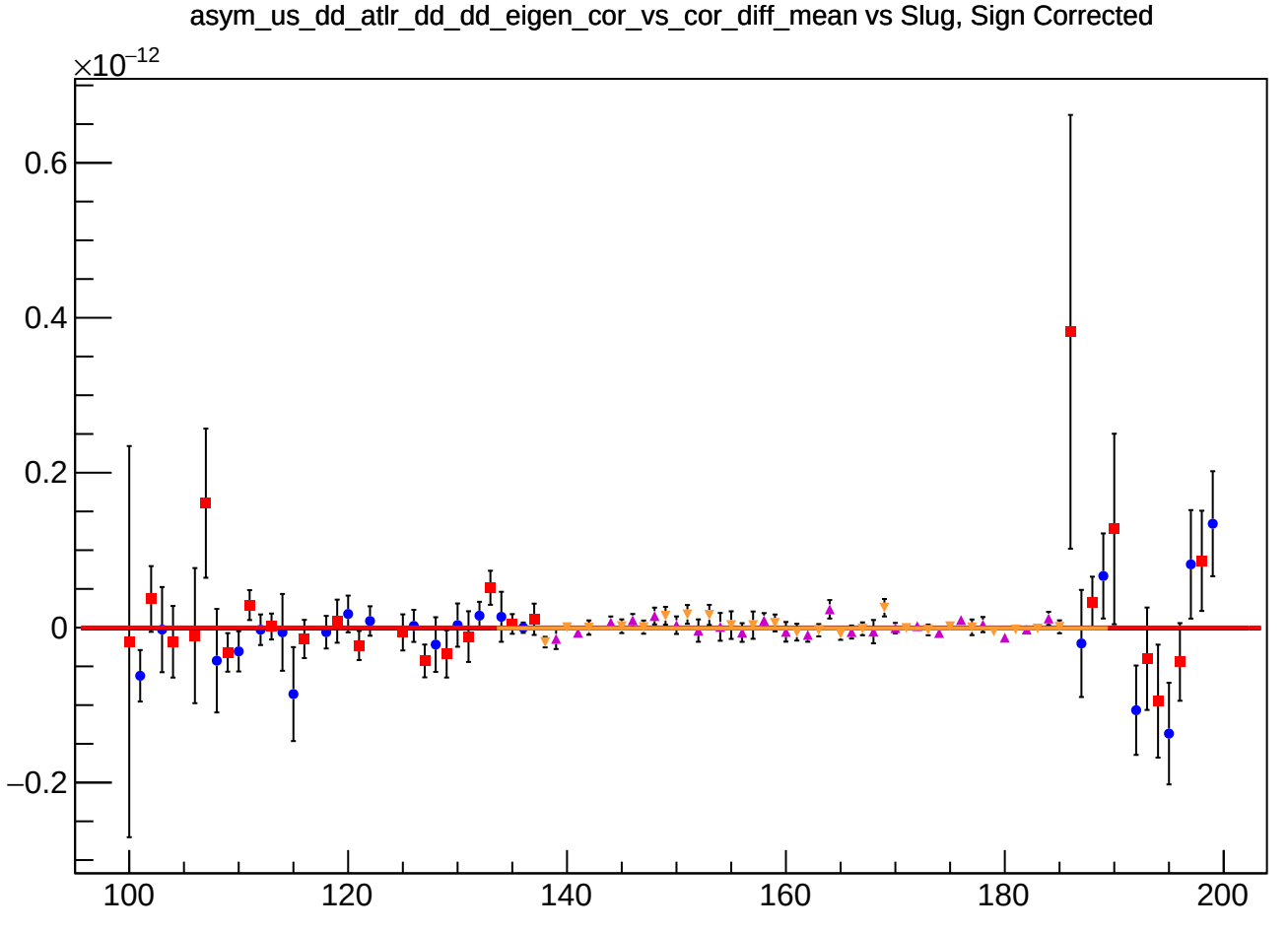
Left: 36.625+/-0.005 χ^2/NDF: 17758448.1/46

Right: 28.951+/-0.005 χ^2/NDF: 7420286.5/46

In: 33.309+/-0.005 χ^2/NDF:12558166.4/44

Out: 31.936+/-0.005 χ^2/NDF:13701243.6/48

All: 32.596+/-0.004 χ^2/NDF: 26295150.4/93



Right In: -0.000+/-0.000 χ^2/NDF: 24.0/21

Left Out: -0.000+/-0.000 χ^2/NDF:21.1/23

Right Out: 0.000+/-0.000 χ^2/NDF: 29.6/24

Left In: -0.000+/-0.000 χ^2/NDF:26.2/22

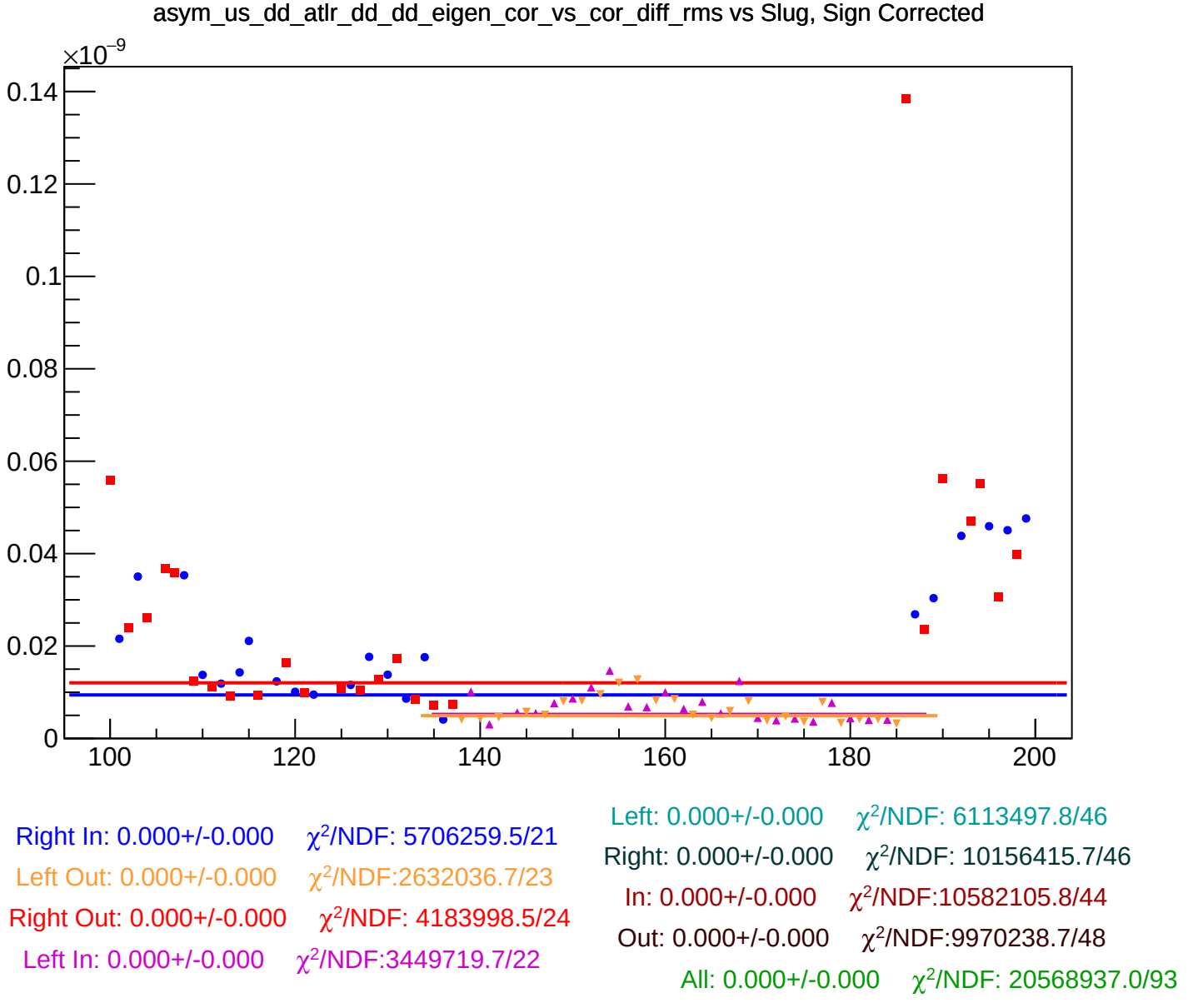
Left: -0.000+/-0.000 χ^2/NDF: 47.4/46

Right: -0.000+/-0.000 χ^2/NDF: 53.7/46

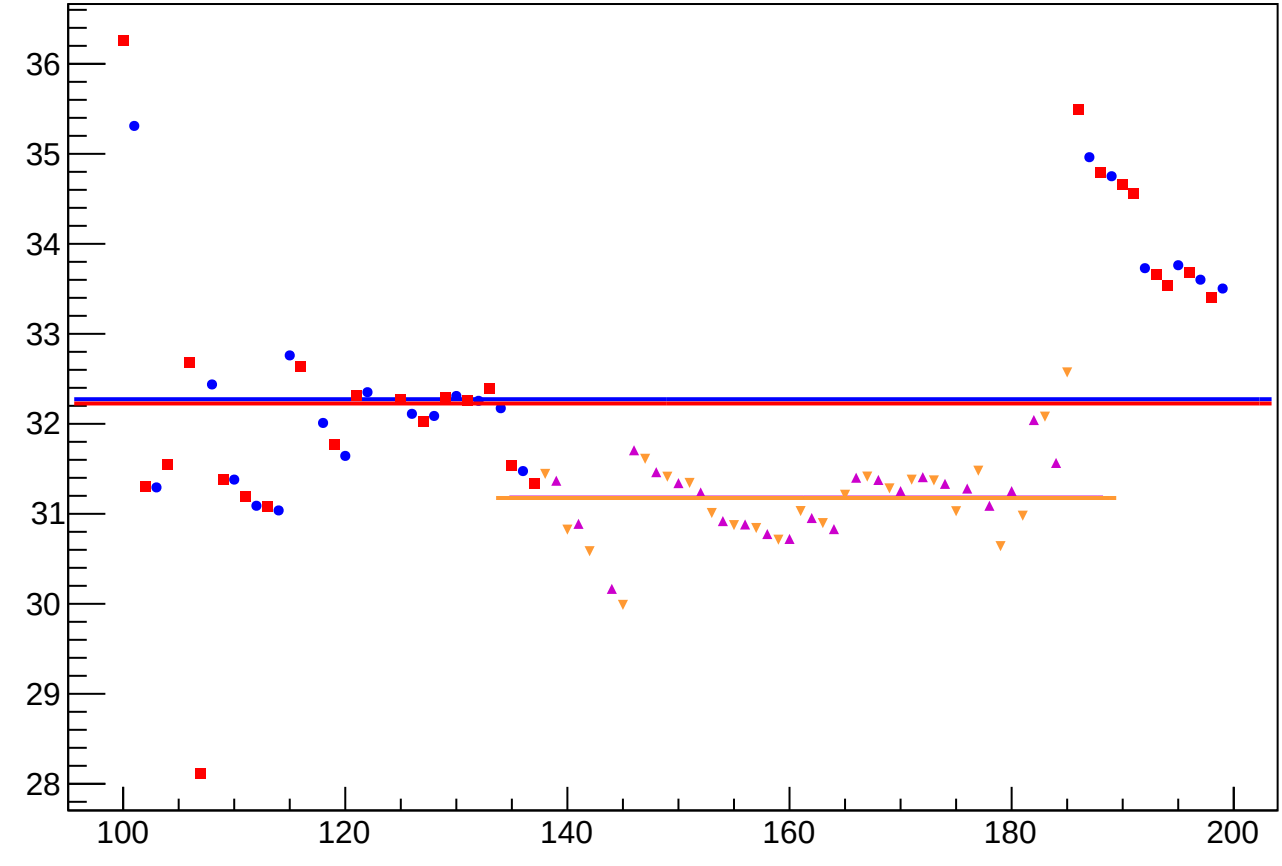
In: -0.000+/-0.000 χ^2/NDF:50.3/44

Out: -0.000+/-0.000 χ^2/NDF:50.8/48

All: -0.000+/-0.000 χ^2/NDF: 101.1/93


asym_us_dd_atlr_dd_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 5706259.5/21
Left Out: 0.000+/-0.000 χ²/NDF:2632036.7/23
Right Out: 0.000+/-0.000 χ²/NDF: 4183998.5/24
Left In: 0.000+/-0.000 χ²/NDF:3449719.7/22
Left: 0.000+/-0.000 χ²/NDF: 6113497.8/46
Right: 0.000+/-0.000 χ²/NDF: 10156415.7/46
In: 0.000+/-0.000 χ²/NDF:10582105.8/44
Out: 0.000+/-0.000 χ²/NDF:9970238.7/48
All: 0.000+/-0.000 χ²/NDF: 20568937.0/93

yield_usl_mean vs Slug, Sign Corrected



Right In: 32.274+/-0.000 χ^2/NDF: 1488389954.6/21

Left Out: 31.176+/-0.000 χ^2/NDF:529824418.6/23

Right Out: 32.226+/-0.000 χ^2/NDF: 1572635785.7/25

Left In: 31.181+/-0.000 χ^2/NDF:376263410.1/22

Left: 31.178+/-0.000 χ^2/NDF: 906123108.5/46

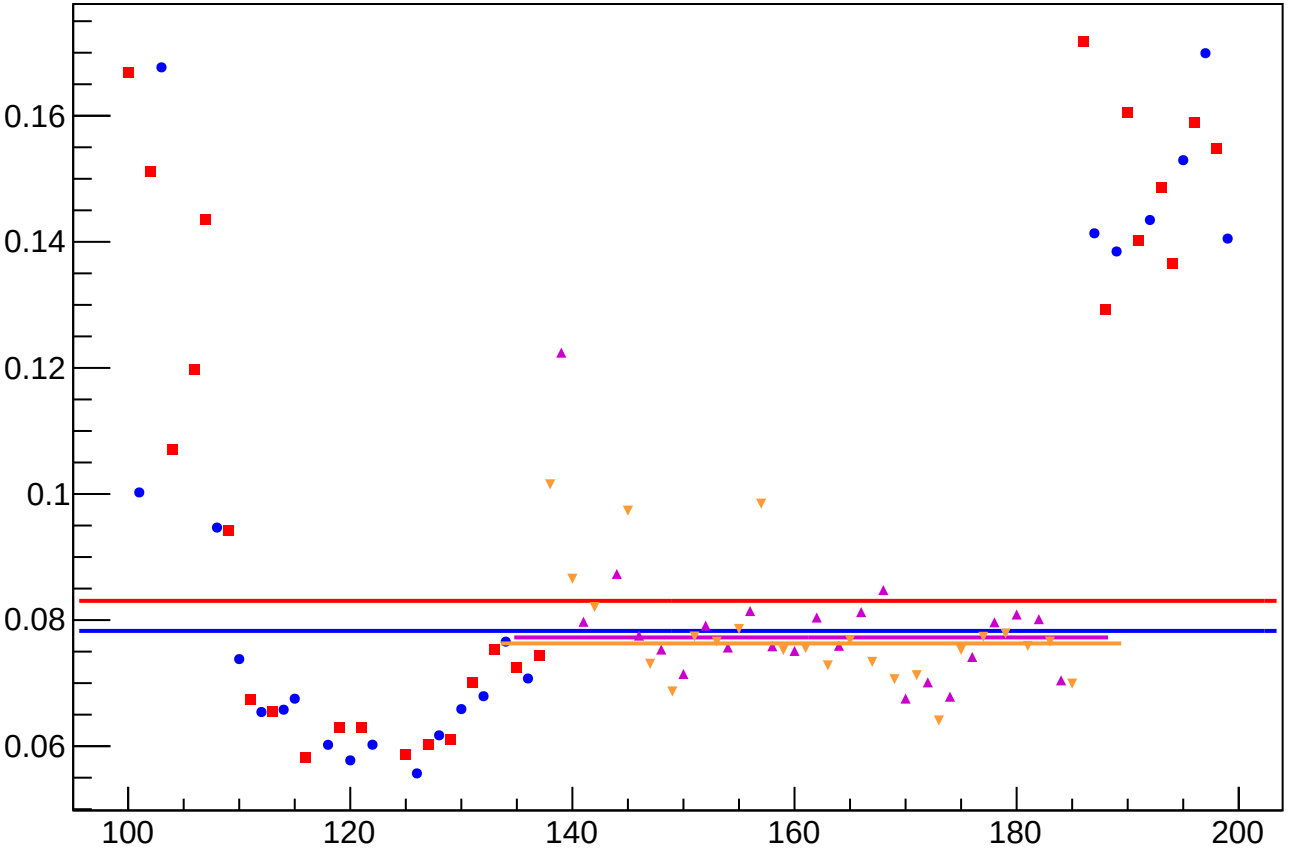
Right: 32.250+/-0.000 χ^2/NDF: 3062719888.5/47

In: 31.569+/-0.000 χ^2/NDF:3040600084.9/44

Out: 31.533+/-0.000 χ^2/NDF:3182821821.4/49

All: 31.551+/-0.000 χ^2/NDF: 6226234348.4/9

yield_usl_rms vs Slug, Sign Corrected



Right In: 0.078+/-0.000 χ^2/NDF: 2838725.5/21

Left Out: 0.076+/-0.000 χ^2/NDF:356697.3/23

Right Out: 0.083+/-0.000 χ^2/NDF: 3210719.3/25

Left In: 0.077+/-0.000 χ^2/NDF:365206.5/22

Left: 0.077+/-0.000 χ^2/NDF: 724458.6/46

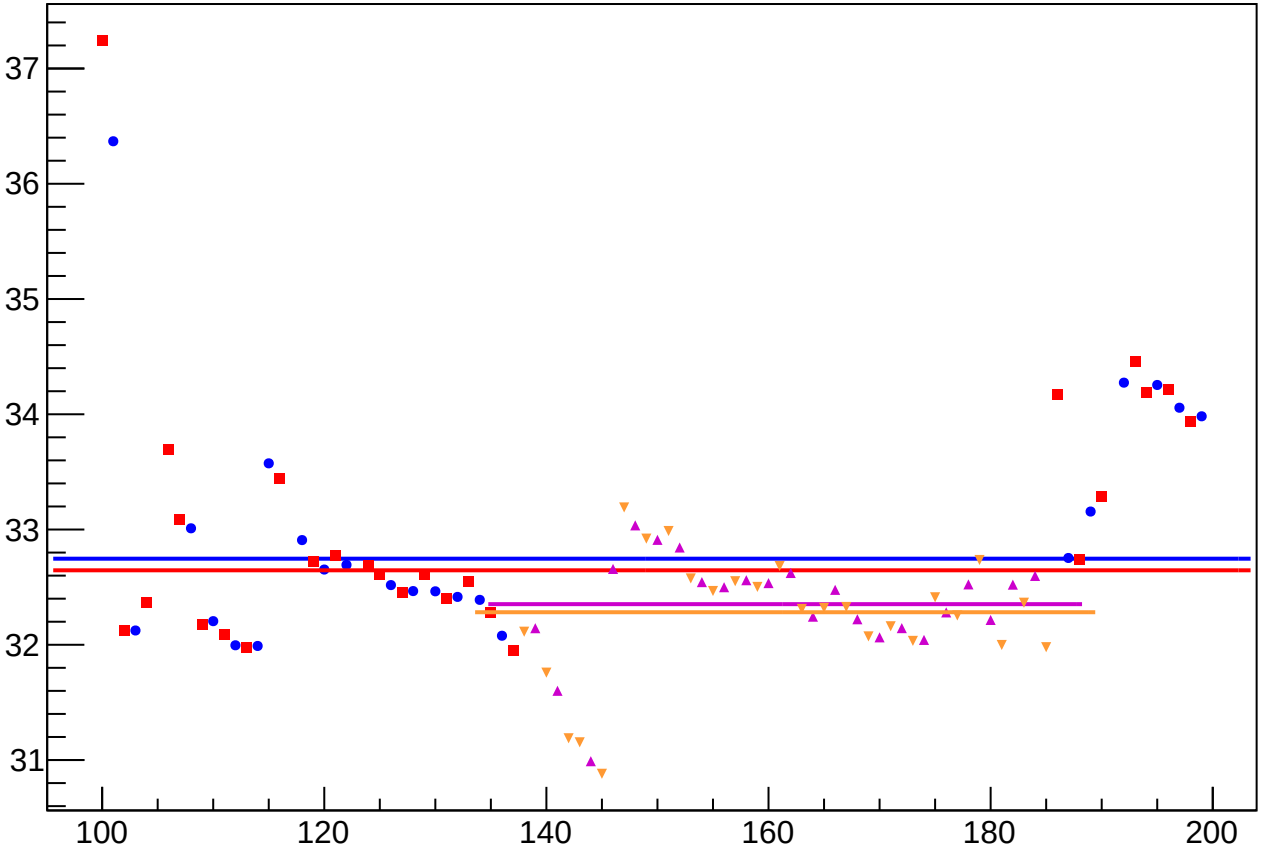
Right: 0.081+/-0.000 χ^2/NDF: 6083665.6/47

In: 0.078+/-0.000 χ^2/NDF:3206056.3/44

Out: 0.079+/-0.000 χ^2/NDF:3656842.4/49

All: 0.078+/-0.000 χ^2/NDF: 6867046.0/94

yield_usr_mean vs Slug, Sign Corrected



Right In: 32.747+/-0.000 χ^2/NDF: 890219562.9/21

Left Out: 32.282+/-0.000 χ^2/NDF:838959313.2/24

Right Out: 32.646+/-0.000 χ^2/NDF: 390300851.7/25

Left In: 32.353+/-0.000 χ^2/NDF:589893462.0/22

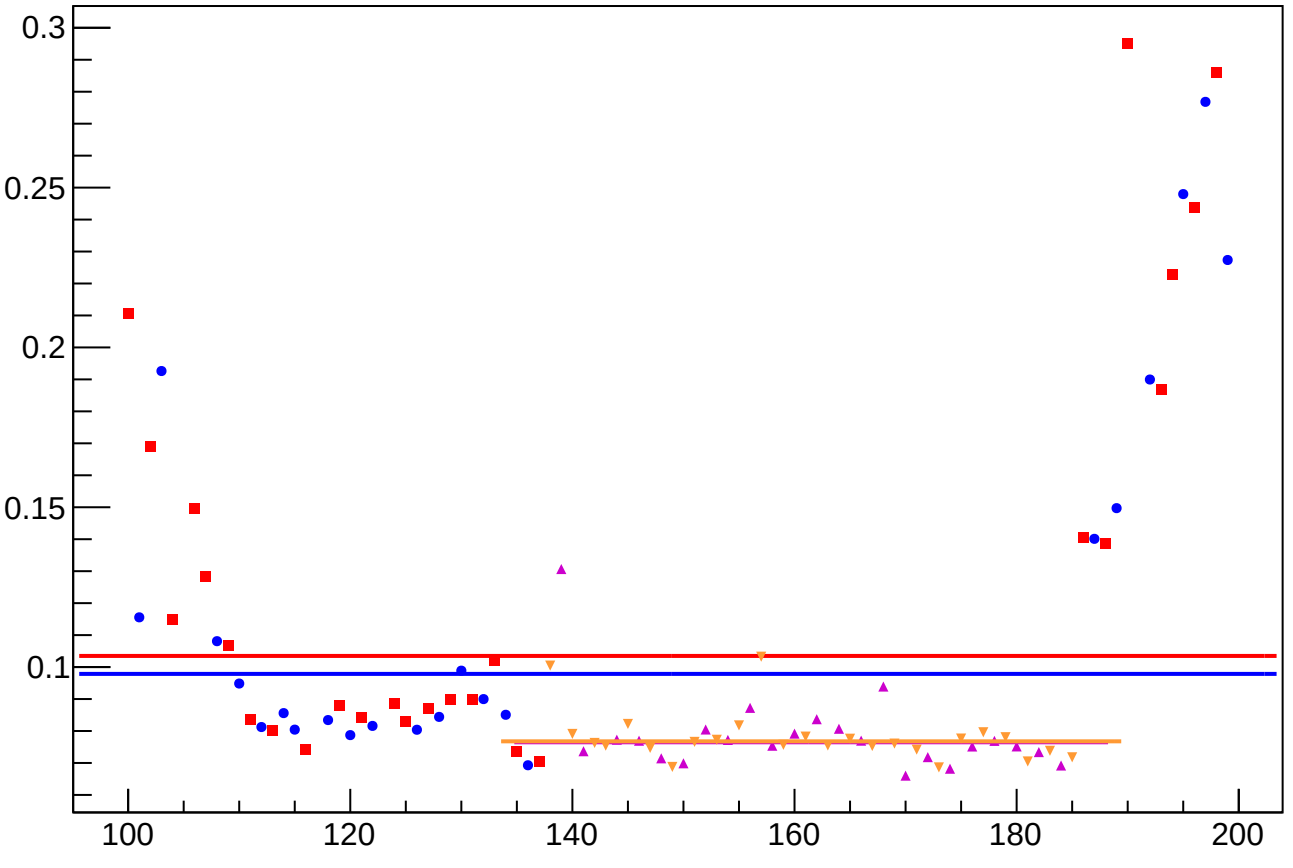
Left: 32.317+/-0.000 χ^2/NDF: 1436074258.4/47

Right: 32.697+/-0.000 χ^2/NDF: 1285256274.9/47

In: 32.450+/-0.000 χ^2/NDF:1590334870.0/44

Out: 32.368+/-0.000 χ^2/NDF:1322834345.1/50

All: 32.408+/-0.000 χ^2/NDF: 2926015345.0/9



Right In: 0.098+/-0.000 χ^2/NDF: 3234711.1/21

Left Out: 0.077+/-0.000 χ^2/NDF:250795.7/24

Right Out: 0.103+/-0.000 χ^2/NDF: 3339096.3/25

Left In: 0.076+/-0.000 χ^2/NDF:482593.3/22

Left: 0.077+/-0.000 χ^2/NDF: 733655.0/47

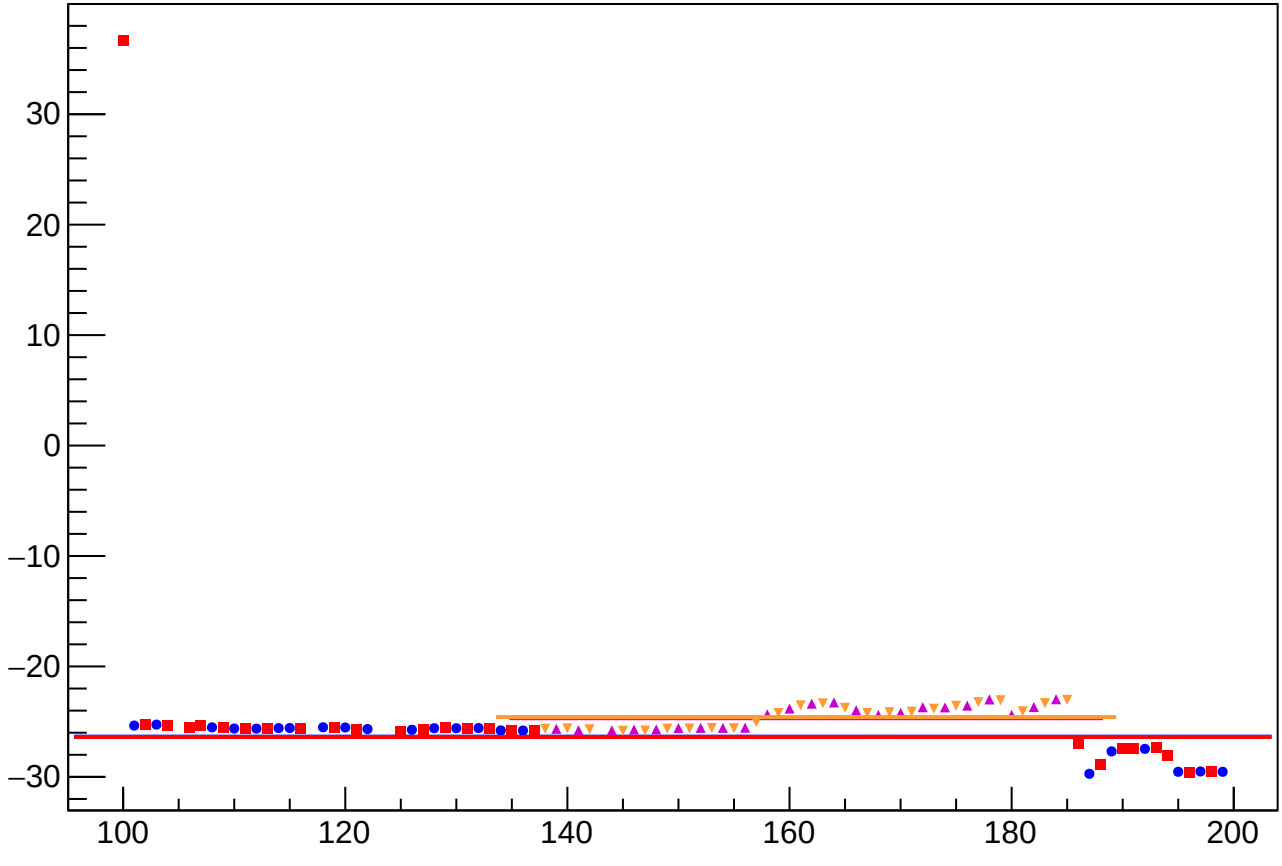
Right: 0.101+/-0.000 χ^2/NDF: 6603272.0/47

In: 0.082+/-0.000 χ^2/NDF:4366137.3/44

Out: 0.083+/-0.000 χ^2/NDF:4599526.9/50

All: 0.082+/-0.000 χ^2/NDF: 8972525.0/95

yield_dsl_mean vs Slug, Sign Corrected



Right In: -26.359+/-0.000 χ^2/NDF: 11461859430.0/21

Left Out: -24.587+/-0.000 χ^2/NDF:9182387434.6/23

Right Out: -26.385+/-0.000 χ^2/NDF: 19821090383.8/25

Left In: -24.689+/-0.000 χ^2/NDF:8820957974.3/22

Left: -24.638+/-0.000 χ^2/NDF: 18048773381.1/46

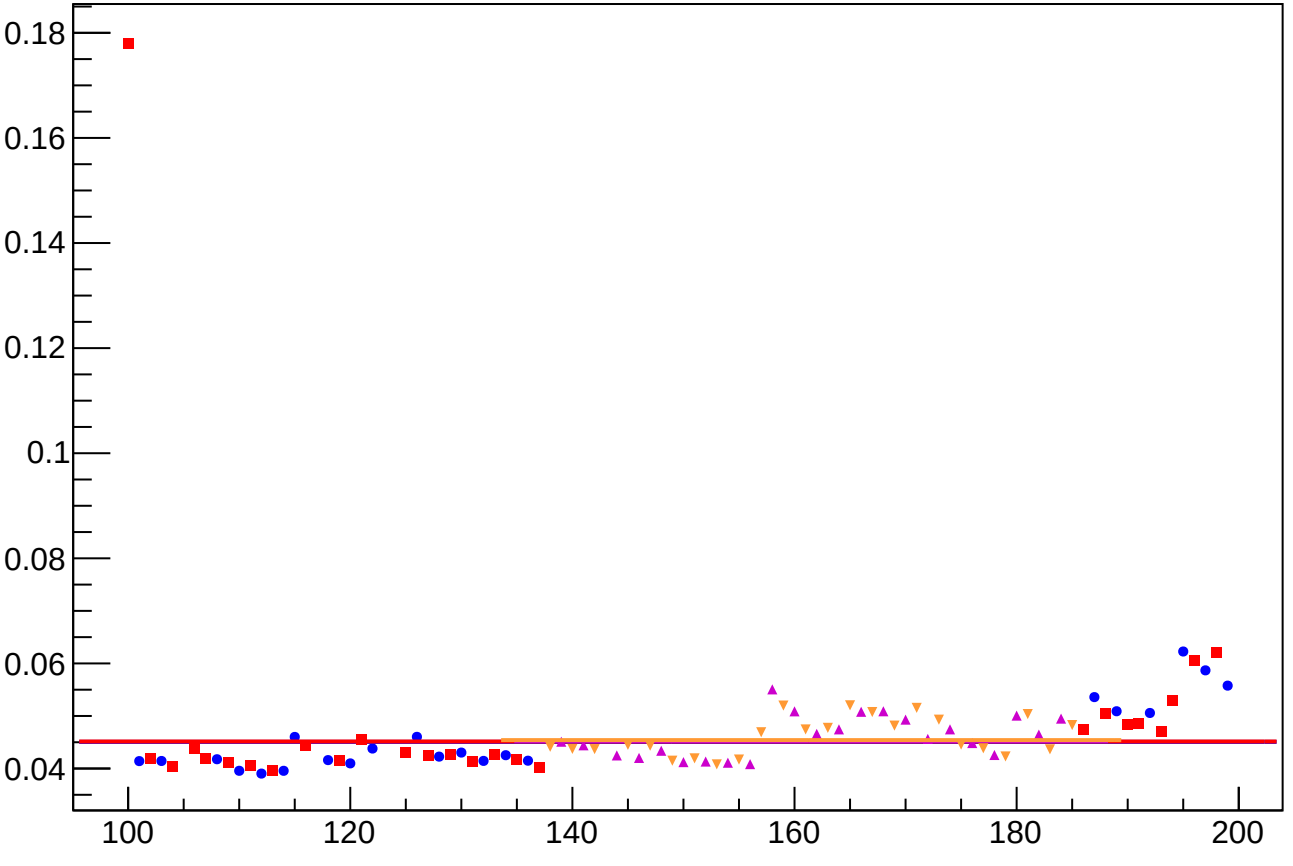
Right: -26.373+/-0.000 χ^2/NDF: 31285021767.5/47

In: -25.333+/-0.000 χ^2/NDF:29657581221.5/44

Out: -25.320+/-0.000 χ^2/NDF:40506480605.1/49

All: -25.326+/-0.000 χ^2/NDF: 70165364474.

yield_dsl_rms vs Slug, Sign Corrected



Right In: 0.045+/-0.000 χ^2/NDF: 435258.2/21

Left Out: 0.045+/-0.000 χ^2/NDF:205535.7/23

Right Out: 0.045+/-0.000 χ^2/NDF: 478866.5/25

Left In: 0.045+/-0.000 χ^2/NDF:244675.5/22

Left: 0.045+/-0.000 χ^2/NDF: 450560.0/46

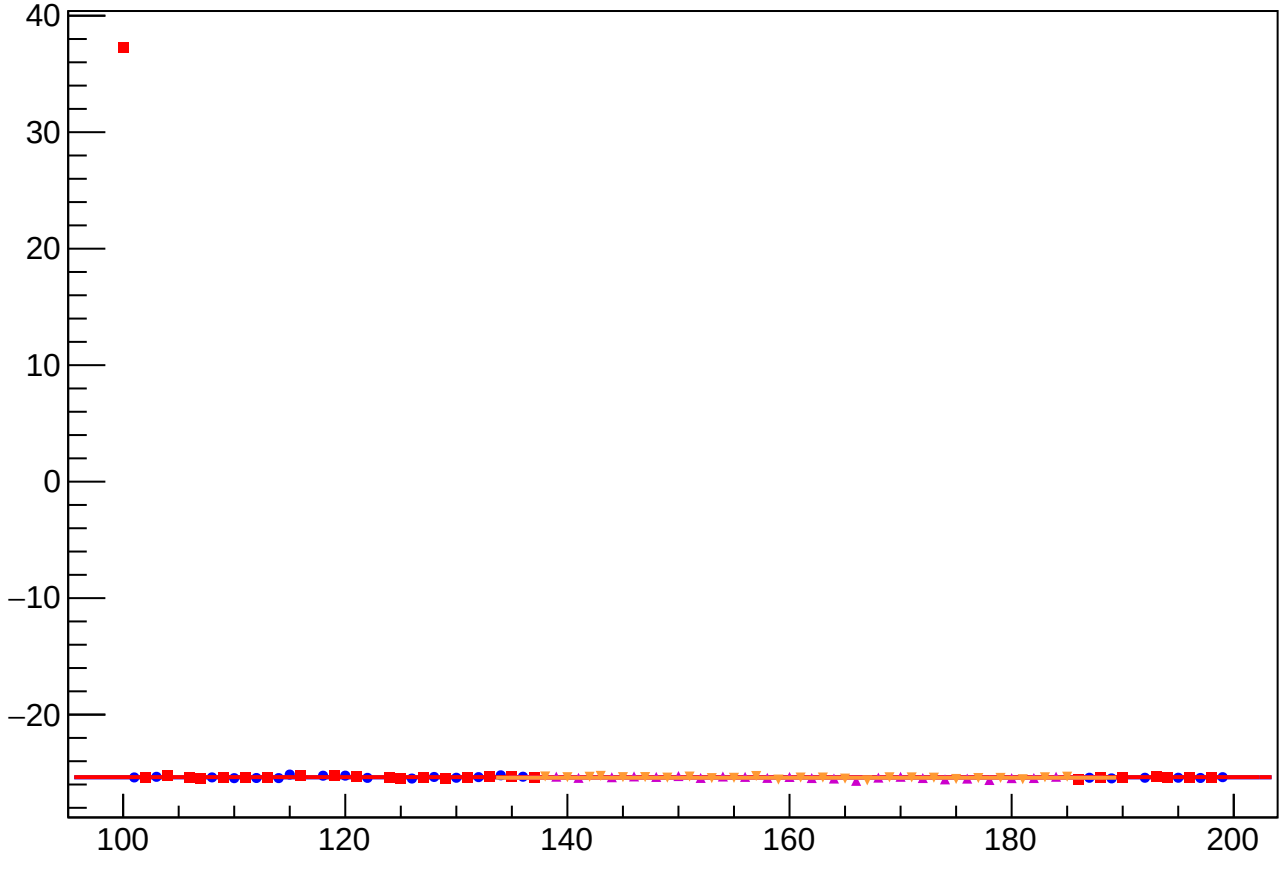
Right: 0.045+/-0.000 χ^2/NDF: 914158.1/47

In: 0.045+/-0.000 χ^2/NDF:680058.4/44

Out: 0.045+/-0.000 χ^2/NDF:684882.3/49

All: 0.045+/-0.000 χ^2/NDF: 1365251.7/94

yield_dsr_mean vs Slug, Sign Corrected



Right In: -25.387+/-0.000 χ^2/NDF: 18243107.2/21

Left Out: -25.417+/-0.000 χ^2/NDF:52213098.9/24

Right Out: -25.365+/-0.000 χ^2/NDF: 6329132131.0/25

Left In: -25.414+/-0.000 χ^2/NDF:55851916.1/22

Left: -25.416+/-0.000 χ^2/NDF: 108085070.9/47

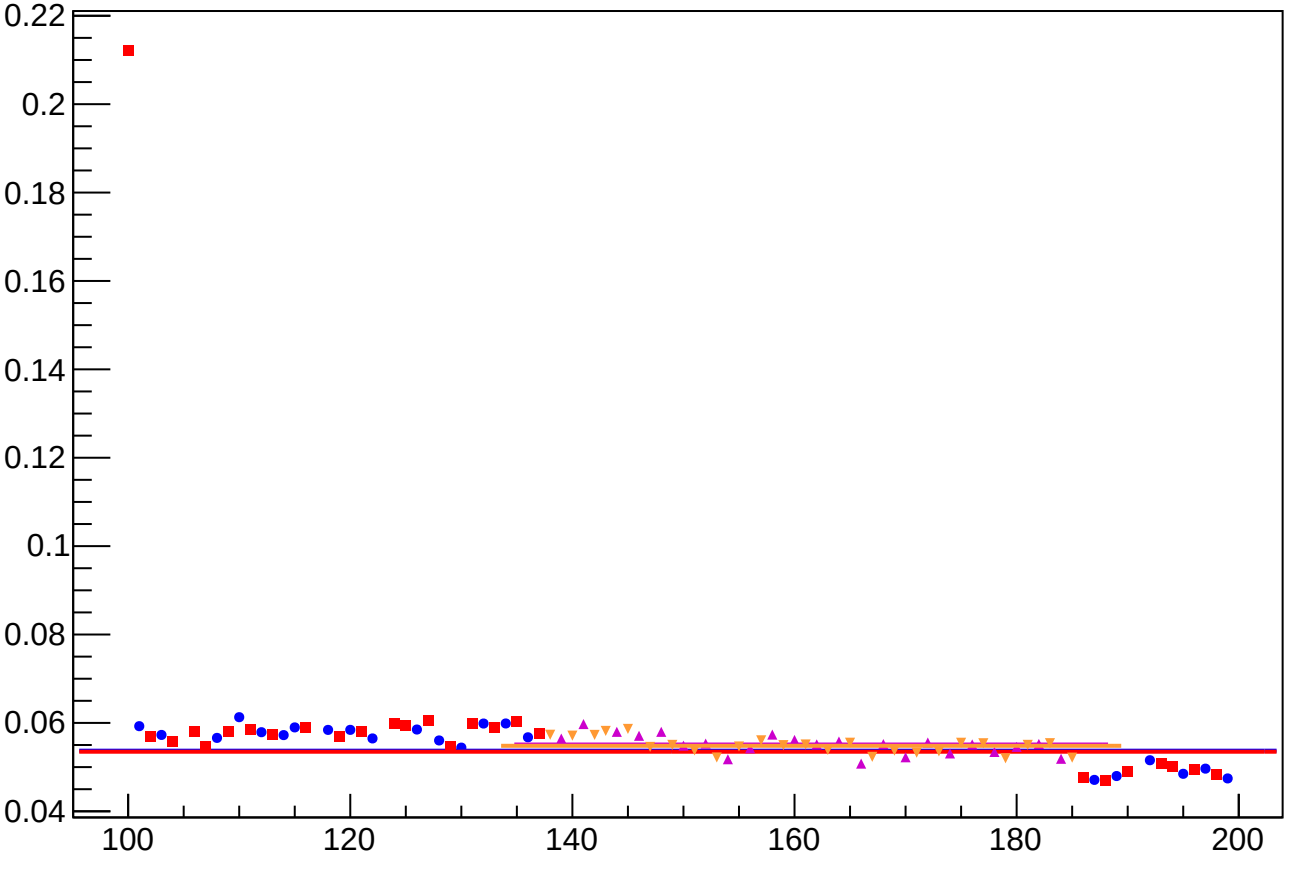
Right: -25.376+/-0.000 χ^2/NDF: 6348309134.5/47

In: -25.403+/-0.000 χ^2/NDF:75827486.7/44

Out: -25.396+/-0.000 χ^2/NDF:6387997567.2/50

All: -25.400+/-0.000 χ^2/NDF: 6464098246.4/

yield_dsr_rms vs Slug, Sign Corrected



Right In: 0.054+/-0.000 χ^2/NDF: 165839.2/21

Left Out: 0.055+/-0.000 χ^2/NDF:38095.1/24

Right Out: 0.053+/-0.000 χ^2/NDF: 273623.6/25

Left In: 0.055+/-0.000 χ^2/NDF:51531.3/22

Left: 0.055+/-0.000 χ^2/NDF: 90127.5/47

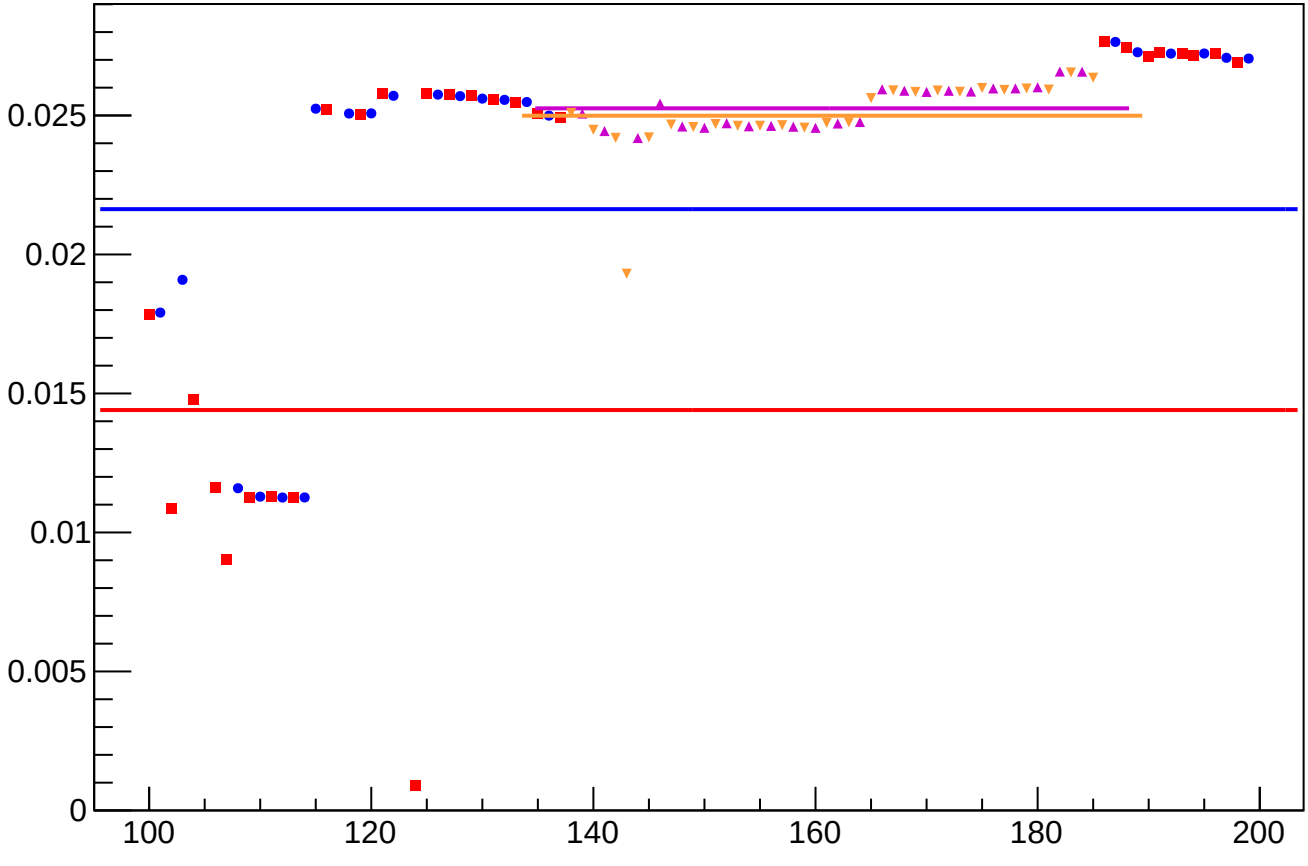
Right: 0.054+/-0.000 χ^2/NDF: 439684.3/47

In: 0.055+/-0.000 χ^2/NDF:226396.2/44

Out: 0.054+/-0.000 χ^2/NDF:320754.7/50

All: 0.054+/-0.000 χ^2/NDF: 547917.1/95

yield_atl1_mean vs Slug, Sign Corrected



Right In: 0.022+/-0.000 χ^2/NDF: 81642031222.5/21

Left Out: 0.025+/-0.000 χ^2/NDF:7880064969.5/24

Right Out: 0.014+/-0.000 χ^2/NDF: 371900407730.4/26

Left In: 0.025+/-0.000 χ^2/NDF:1884783780.3/22

Left: 0.025+/-0.000 χ^2/NDF: 9897726075.2/47

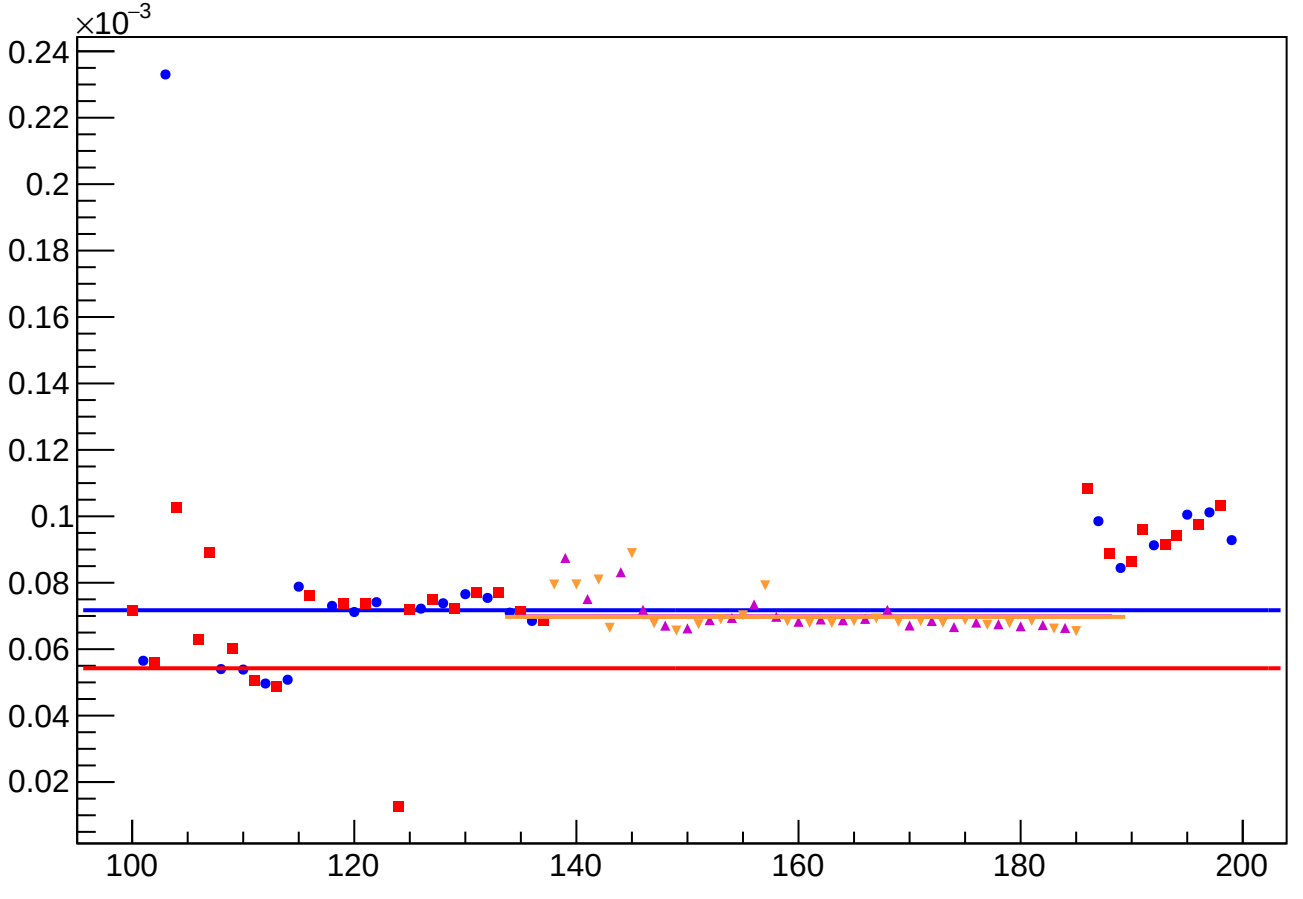
Right: 0.017+/-0.000 χ^2/NDF: 517687325650.7/48

In: 0.024+/-0.000 χ^2/NDF:100756729534.4/44

Out: 0.020+/-0.000 χ^2/NDF:573414764697.3/51

All: 0.022+/-0.000 χ^2/NDF: 716566979368.5

yield_atl1_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1473311.0/21

Left Out: 0.000+/-0.000 χ^2/NDF:188211.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6160215.5/26

Left In: 0.000+/-0.000 χ^2/NDF:152421.9/22

Left: 0.000+/-0.000 χ^2/NDF: 340709.7/47

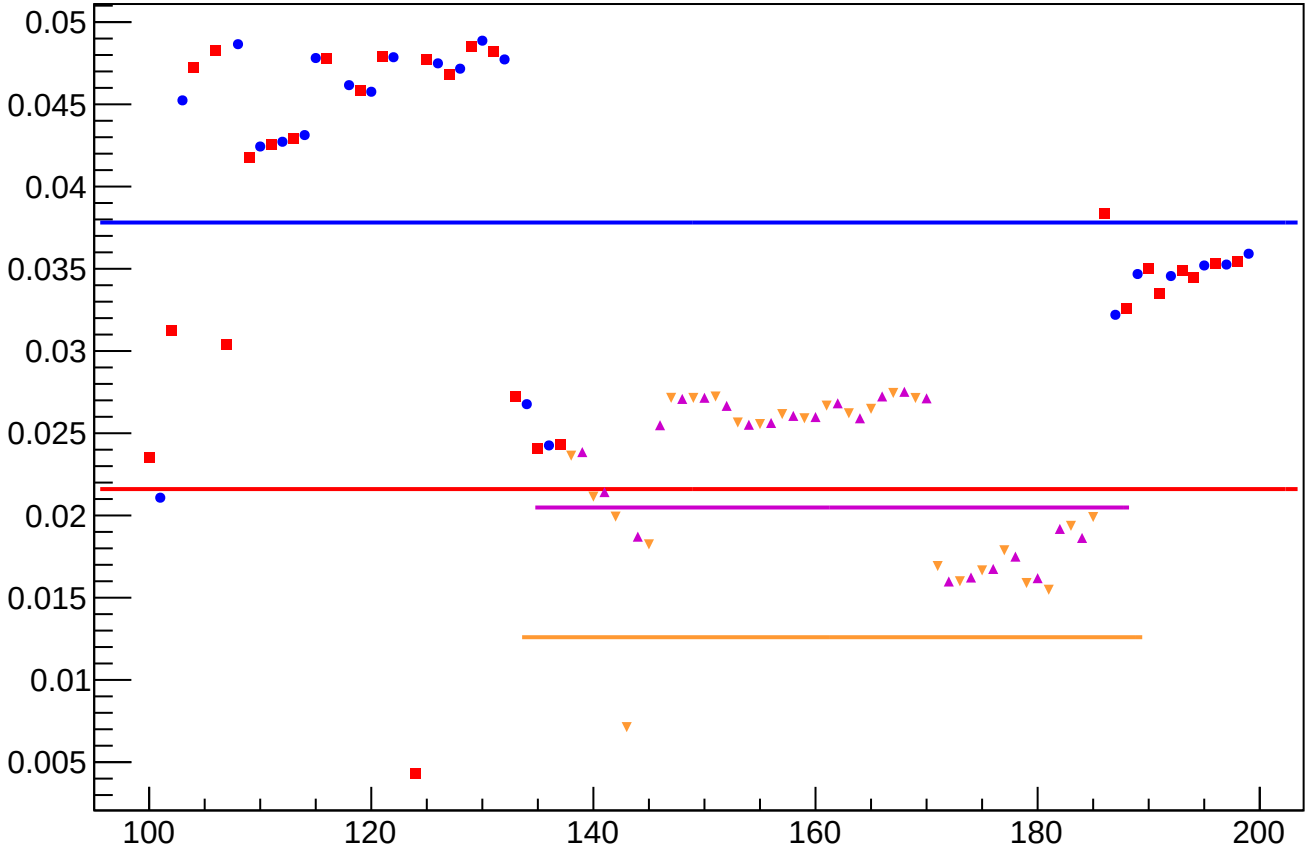
Right: 0.000+/-0.000 χ^2/NDF: 8383538.3/48

In: 0.000+/-0.000 χ^2/NDF:1634756.6/44

Out: 0.000+/-0.000 χ^2/NDF:7175630.0/51

All: 0.000+/-0.000 χ^2/NDF: 9180083.0/96

yield_atl2_mean vs Slug, Sign Corrected



Right In: 0.038+/-0.000 χ^2/NDF: 7208615856.1/21

Left Out: 0.013+/-0.000 χ^2/NDF:37338500367.6/24

Right Out: 0.022+/-0.000 χ^2/NDF: 44918658831.7/26

Left In: 0.020+/-0.000 χ^2/NDF:6099907424.9/22

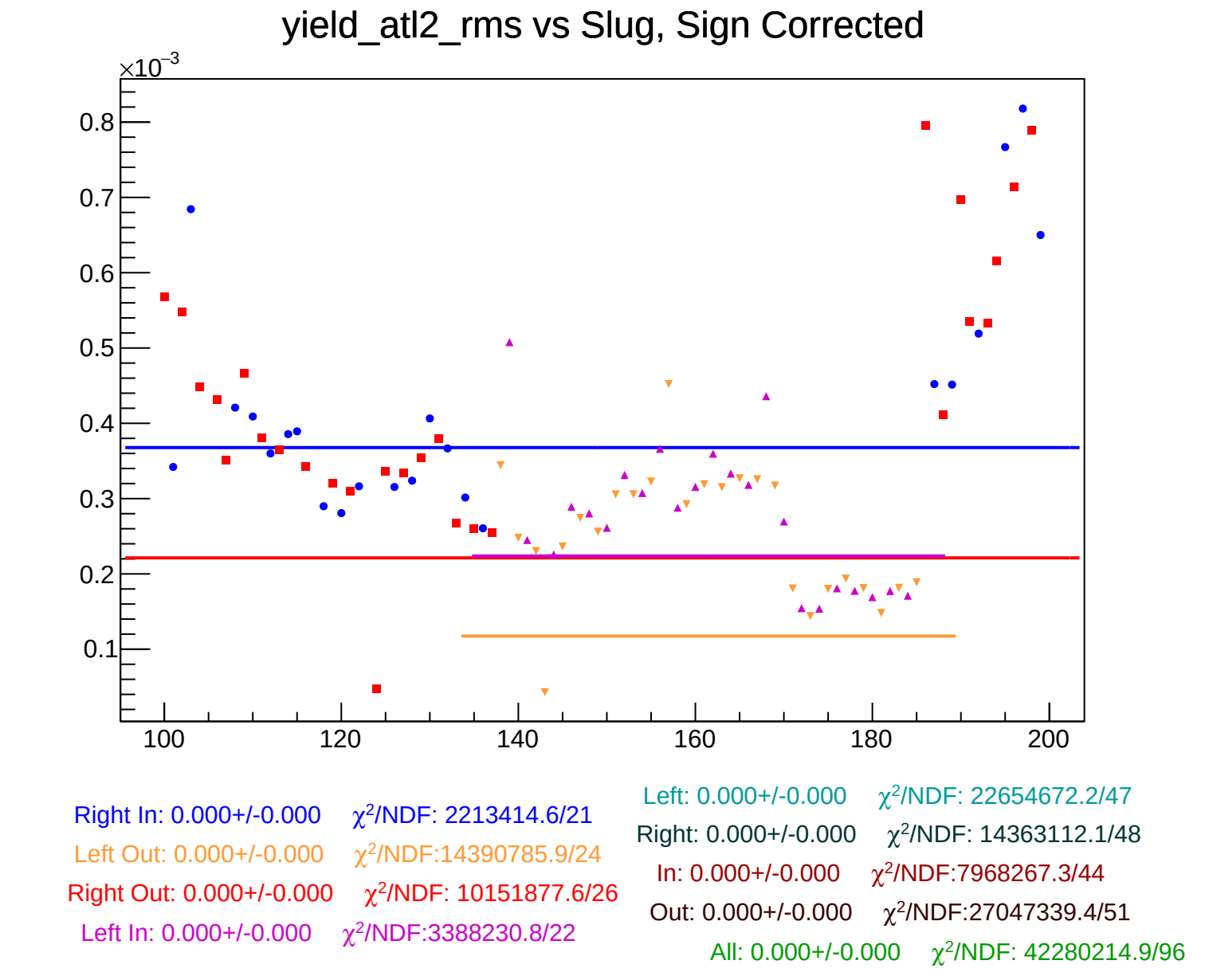
Left: 0.015+/-0.000 χ^2/NDF: 56833428679.6/47

Right: 0.027+/-0.000 χ^2/NDF: 64357696219.9/48

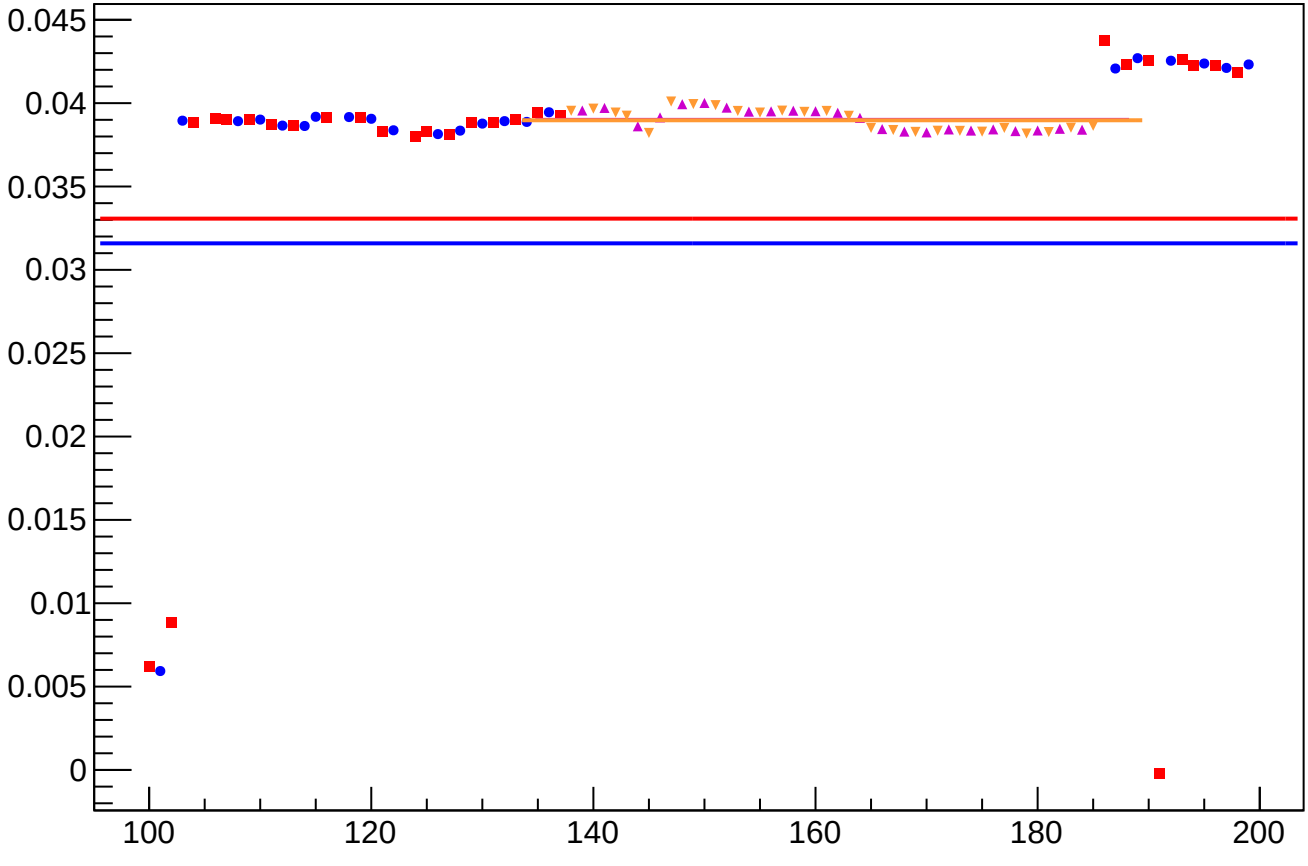
In: 0.024+/-0.000 χ^2/NDF:30458299214.4/44

Out: 0.014+/-0.000 χ^2/NDF:91676457773.7/51

All: 0.017+/-0.000 χ^2/NDF: 147237011748.9


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: 2213414.6/21
Left Out: 0.000+/-0.000 χ²/NDF:14390785.9/24
Right Out: 0.000+/-0.000 χ²/NDF: 10151877.6/26
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: 14363112.1/48
In: 0.000+/-0.000 χ²/NDF:7968267.3/44
Out: 0.000+/-0.000 χ²/NDF:27047339.4/51
All: 0.000+/-0.000 χ²/NDF: 42280214.9/96

yield_atr1_mean vs Slug, Sign Corrected



Right In: 0.032+/-0.000 χ^2/NDF: 118474850660.0/21

Left Out: 0.039+/-0.000 χ^2/NDF:477670162.8/24

Right Out: 0.033+/-0.000 χ^2/NDF: 112124810634.0/26

Left In: 0.039+/-0.000 χ^2/NDF:408808029.6/22

Left: 0.039+/-0.000 χ^2/NDF: 886762060.9/47

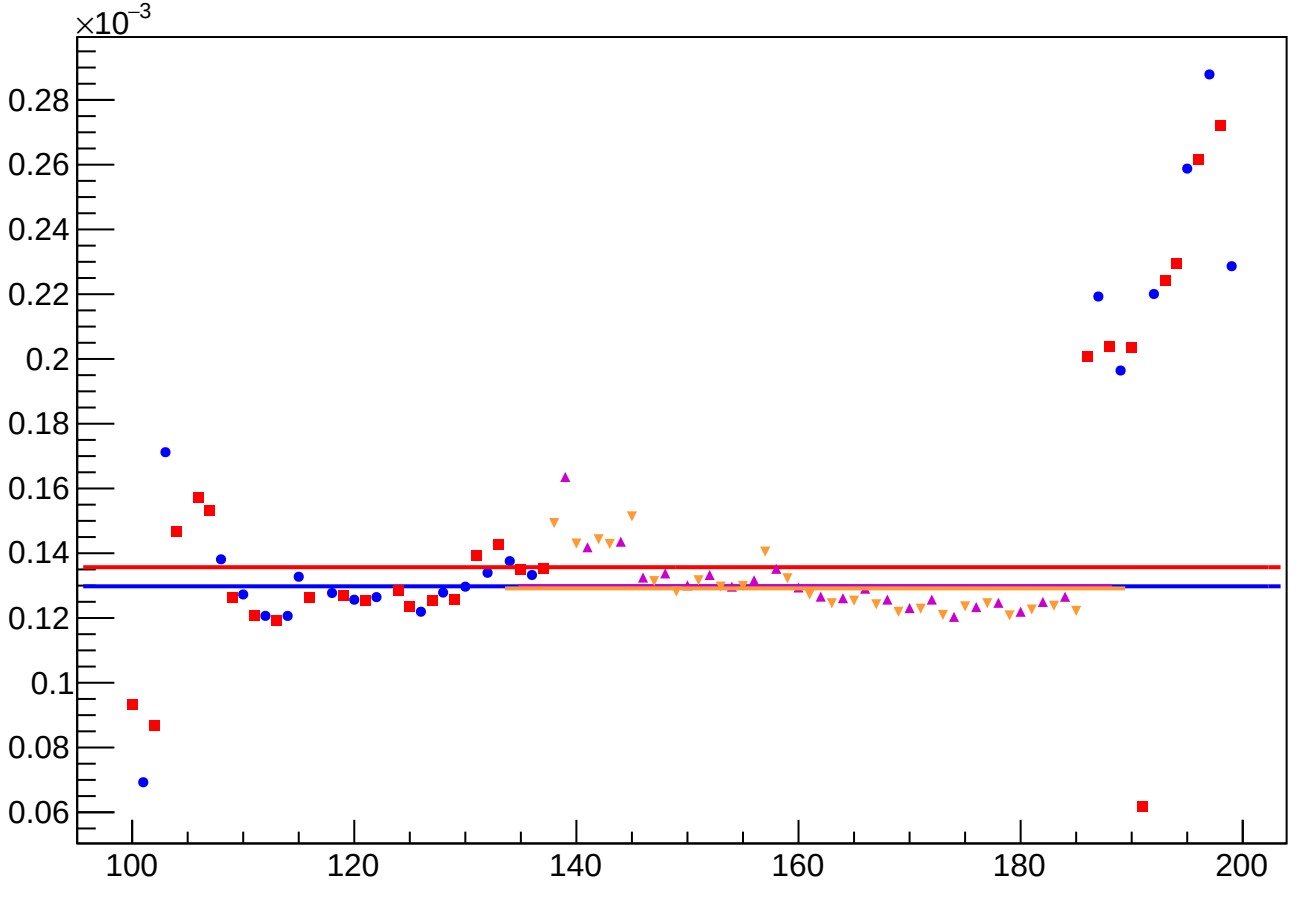
Right: 0.032+/-0.000 χ^2/NDF: 231244745363.9/48

In: 0.036+/-0.000 χ^2/NDF:139522859339.6/44

Out: 0.037+/-0.000 χ^2/NDF:126115890166.7/51

All: 0.037+/-0.000 χ^2/NDF: 265920709914.1

yield_atr1_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2807436.3/21

Left Out: 0.000+/-0.000 χ^2/NDF:157557.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2583427.3/26

Left In: 0.000+/-0.000 χ^2/NDF:141831.6/22

Left: 0.000+/-0.000 χ^2/NDF: 299820.4/47

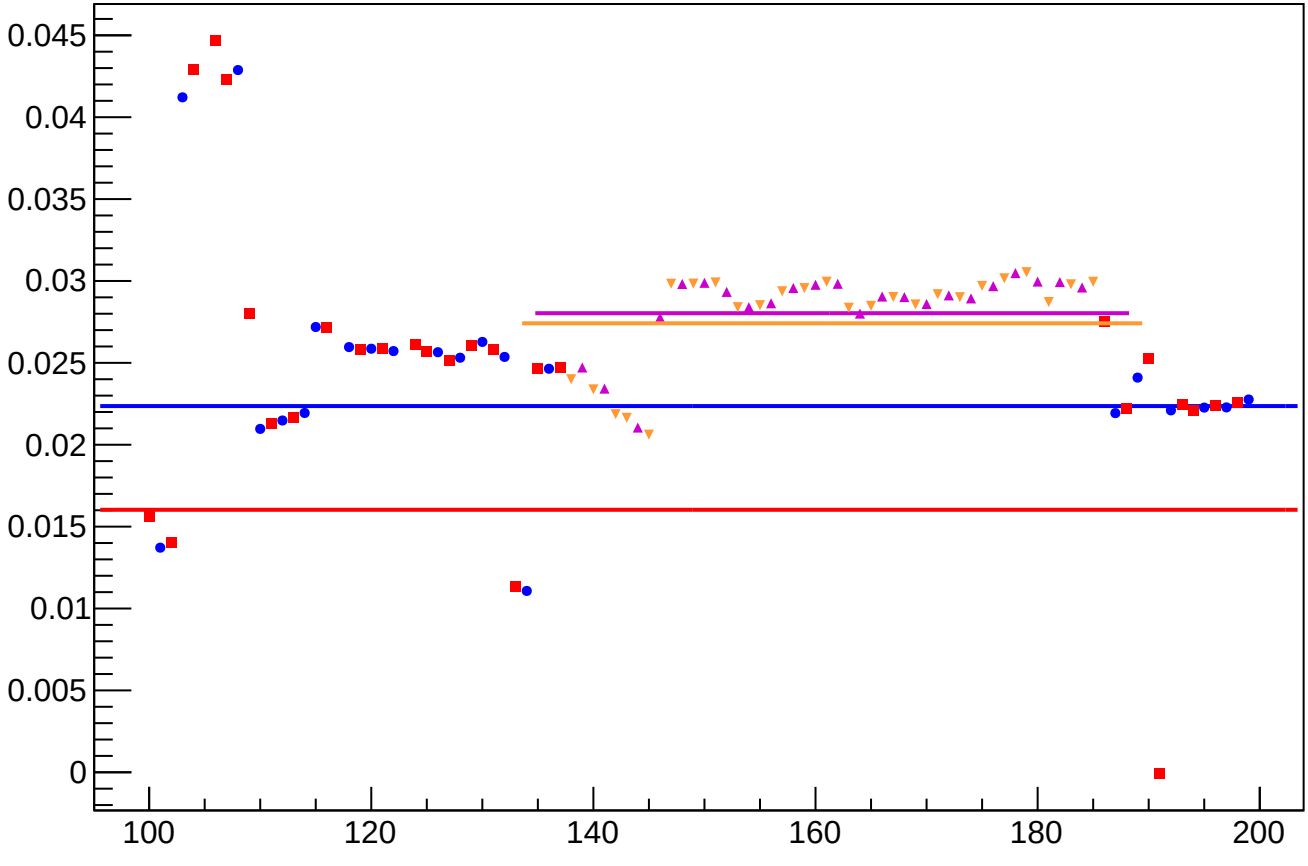
Right: 0.000+/-0.000 χ^2/NDF: 5411295.6/48

In: 0.000+/-0.000 χ^2/NDF:2949268.1/44

Out: 0.000+/-0.000 χ^2/NDF:2774194.5/51

All: 0.000+/-0.000 χ^2/NDF: 5727835.1/96

yield_atr2_mean vs Slug, Sign Corrected



Right In: 0.022+/-0.000 χ^2/NDF: 5024835408.5/21

Left Out: 0.027+/-0.000 χ^2/NDF:2240091851.9/24

Right Out: 0.016+/-0.000 χ^2/NDF: 24987559183.8/26

Left In: 0.028+/-0.000 χ^2/NDF:1490587051.3/22

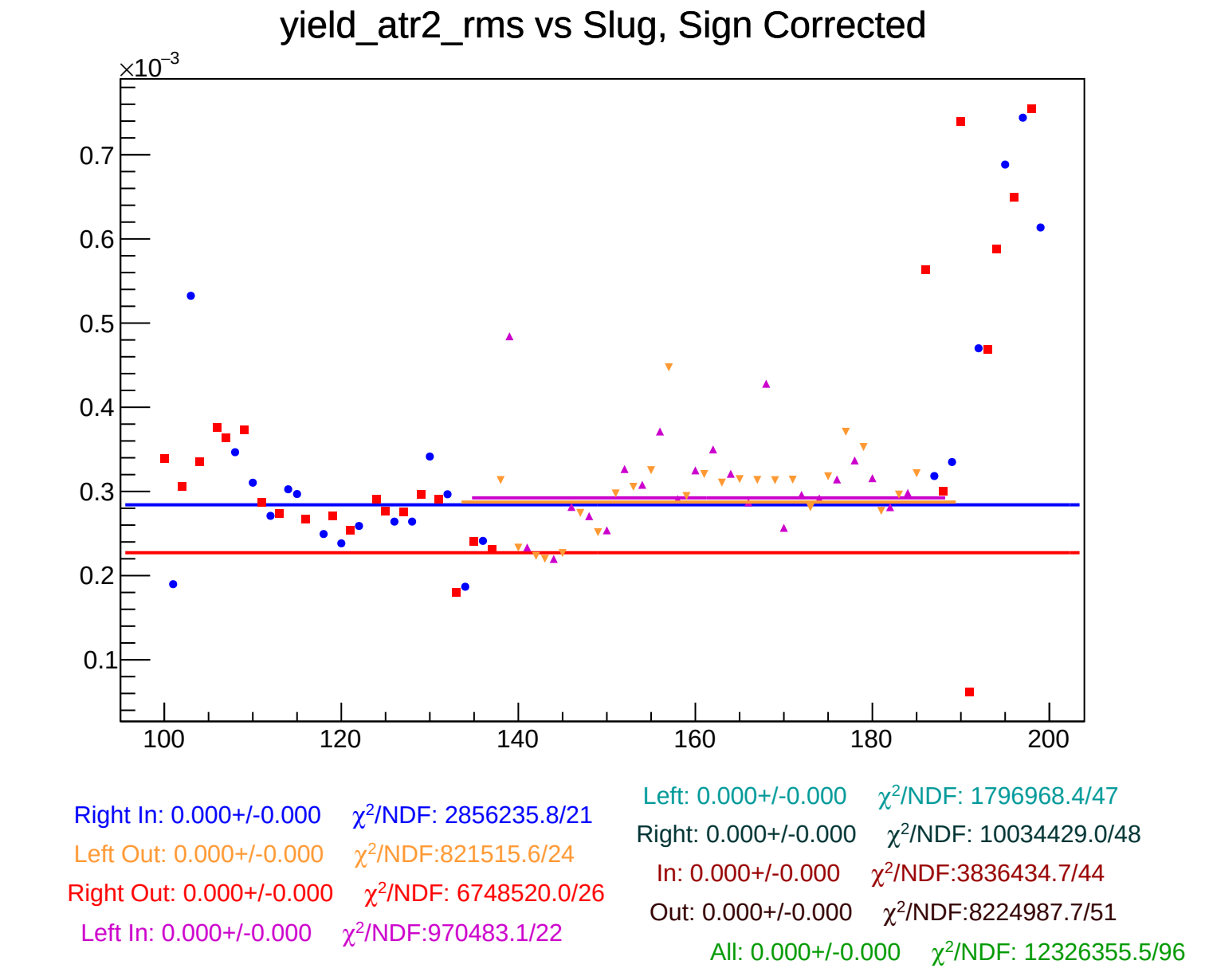
Left: 0.028+/-0.000 χ^2/NDF: 3768752418.2/47

Right: 0.019+/-0.000 χ^2/NDF: 32671578281.3/48

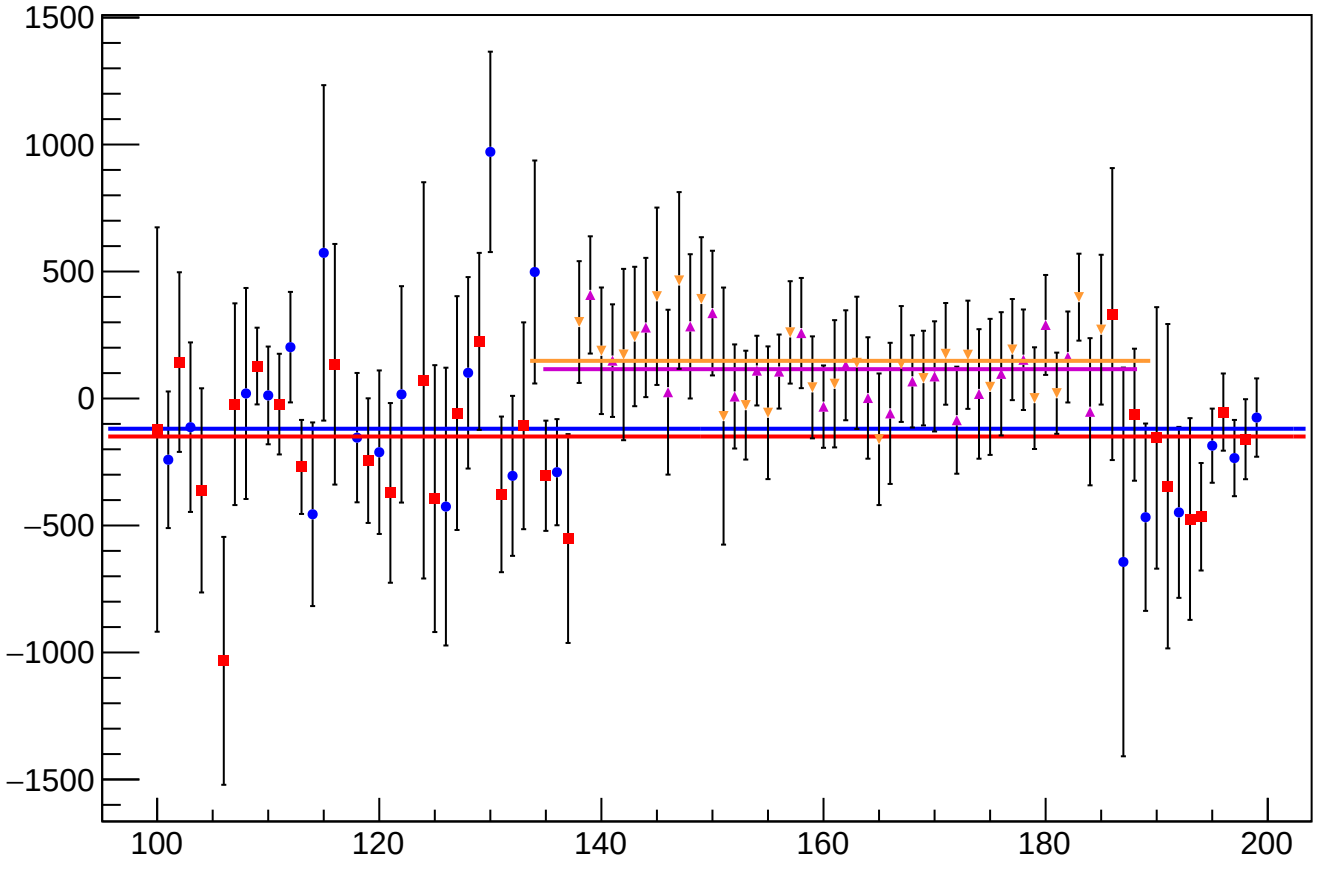
In: 0.026+/-0.000 χ^2/NDF:8809042923.4/44

Out: 0.022+/-0.000 χ^2/NDF:38949992176.2/51

All: 0.024+/-0.000 χ^2/NDF: 49784393096.2/9


yield_atr2_rms vs Slug, Sign Corrected
×10⁻³
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: 2856235.8/21
Left Out: 0.000+/-0.000 χ²/NDF:821515.6/24
Right Out: 0.000+/-0.000 χ²/NDF: 6748520.0/26
Left In: 0.000+/-0.000 χ²/NDF:970483.1/22
Left: 0.000+/-0.000 χ²/NDF: 1796968.4/47
Right: 0.000+/-0.000 χ²/NDF: 10034429.0/48
In: 0.000+/-0.000 χ²/NDF:3836434.7/44
Out: 0.000+/-0.000 χ²/NDF:8224987.7/51
All: 0.000+/-0.000 χ²/NDF: 12326355.5/96

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: -119.052+/-55.603 χ^2/NDF: 19.6/21

Left Out: 148.273+/-46.219 χ^2/NDF:10.4/24

Right Out: -149.611+/-53.287 χ^2/NDF: 17.2/26

Left In: 115.487+/-43.568 χ^2/NDF:7.8/22

Left: 130.913+/-31.703 χ^2/NDF: 18.4/47

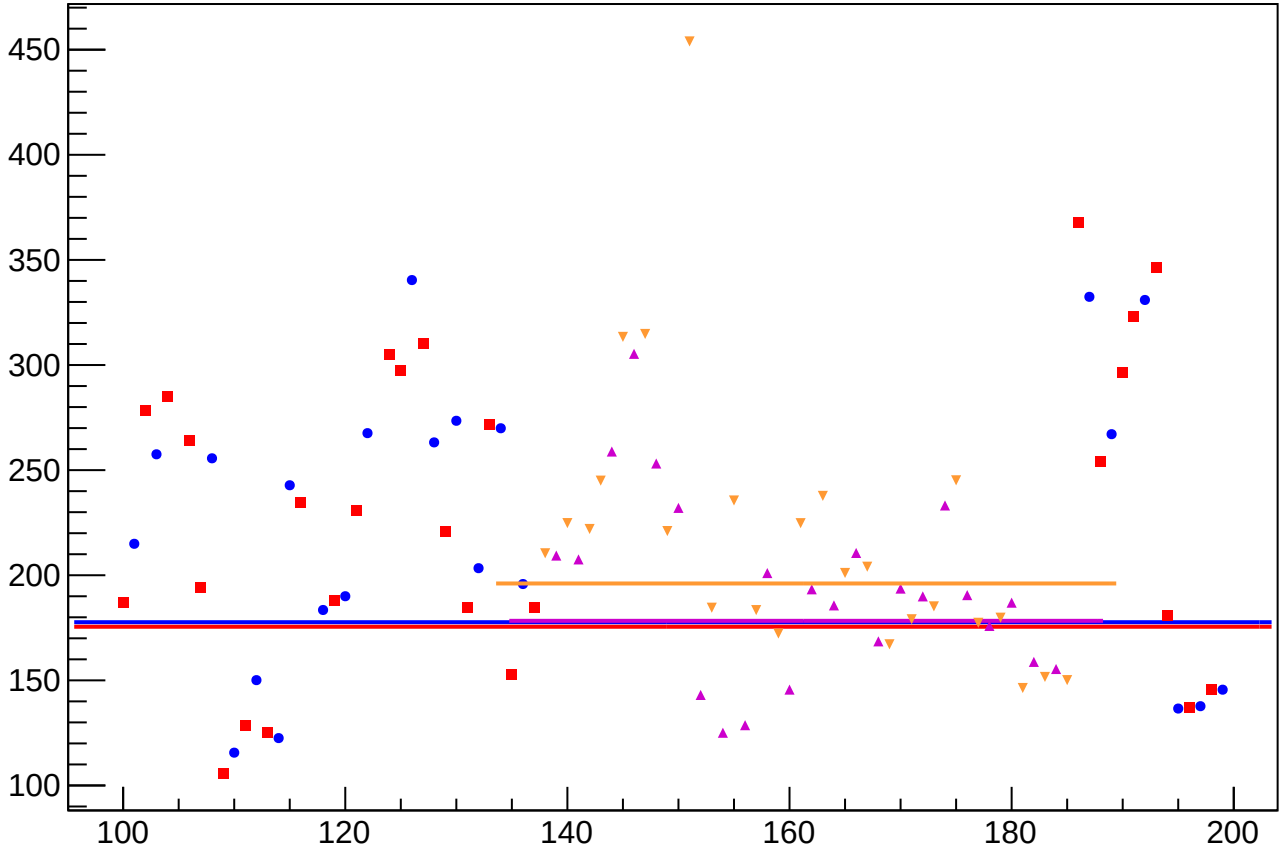
Right: -134.981+/-38.473 χ^2/NDF: 37.0/48

In: 26.268+/-34.294 χ^2/NDF:38.4/44

Out: 20.384+/-34.915 χ^2/NDF:45.4/51

All: 23.379+/-24.466 χ^2/NDF: 83.8/96

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 177.662+/-0.039 χ^2/NDF: 2138214.7/21

Left Out: 196.087+/-0.033 χ^2/NDF:1818492.9/24

Right Out: 175.506+/-0.038 χ^2/NDF: 2860025.8/26

Left In: 178.318+/-0.031 χ^2/NDF:1678336.4/22

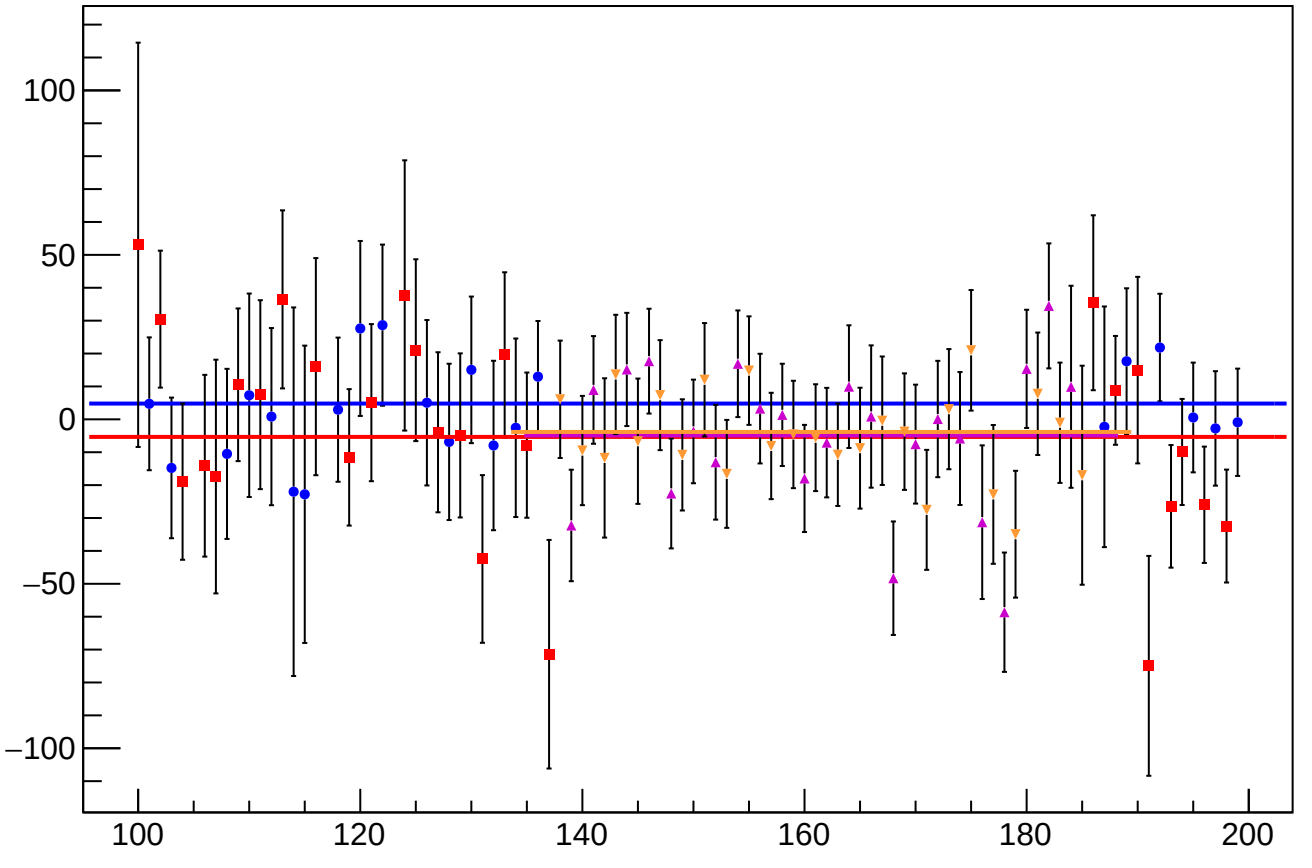
Left: 186.678+/-0.022 χ^2/NDF: 3653348.5/47

Right: 176.538+/-0.027 χ^2/NDF: 4999808.3/48

In: 178.068+/-0.024 χ^2/NDF:3816723.6/44

Out: 187.251+/-0.025 χ^2/NDF:4848776.1/51

All: 182.577+/-0.017 χ^2/NDF: 8735903.5/96



Right In: 4.796+/-4.799 χ^2/NDF: 6.3/21

Left Out: -3.834+/-3.603 χ^2/NDF:12.9/24

Right Out: -5.343+/-4.583 χ^2/NDF: 30.0/26

Left In: -4.903+/-3.695 χ^2/NDF:33.9/22

Left: -4.355+/-2.580 χ^2/NDF: 46.8/47

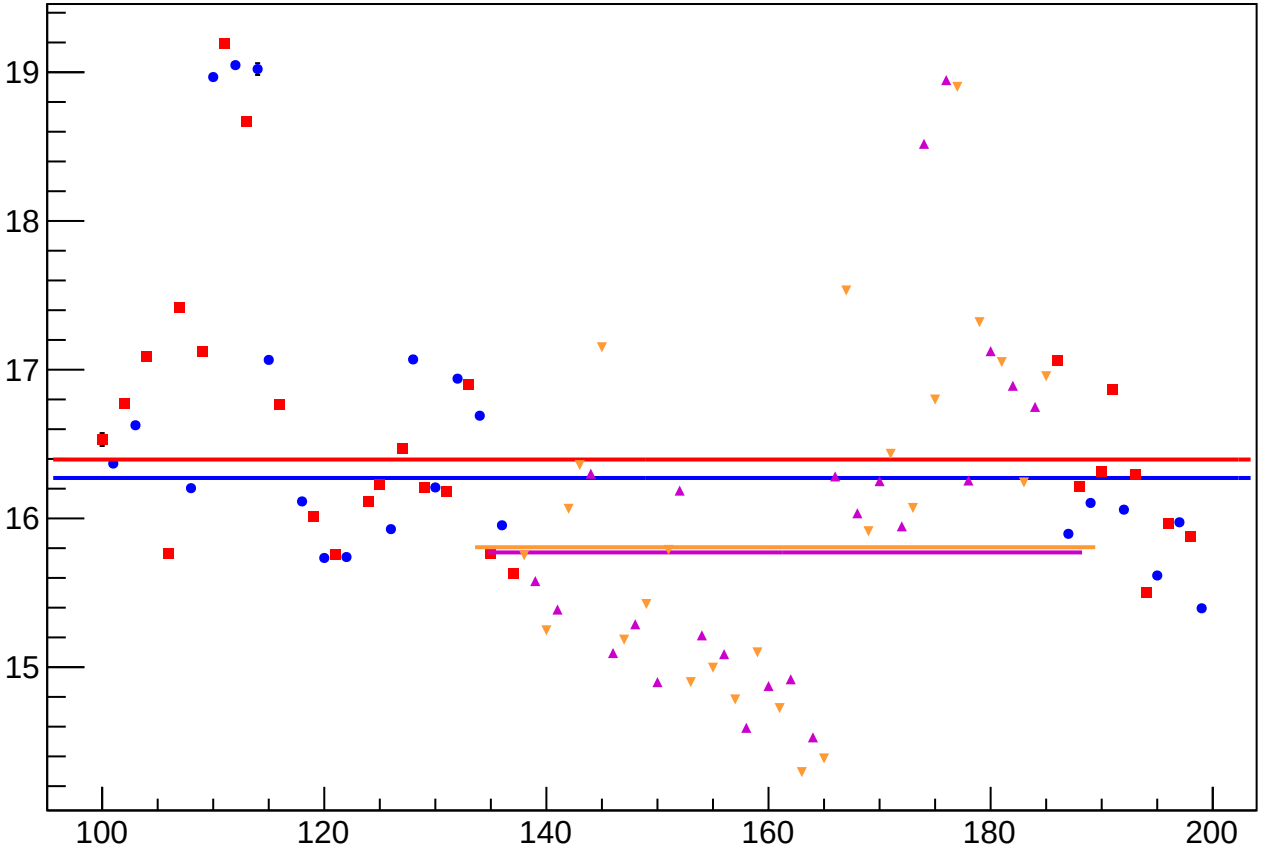
Right: -0.506+/-3.314 χ^2/NDF: 38.7/48

In: -1.293+/-2.928 χ^2/NDF:42.8/44

Out: -4.411+/-2.832 χ^2/NDF:43.0/51

All: -2.903+/-2.036 χ^2/NDF: 86.3/96

asym_bcm_an_avg_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 16.272+/-0.003 χ^2/NDF: 59622.0/21

Left Out: 15.806+/-0.003 χ^2/NDF:172651.3/24

Right Out: 16.396+/-0.003 χ^2/NDF: 57466.2/26

Left In: 15.771+/-0.003 χ^2/NDF:152136.7/22

Left: 15.789+/-0.002 χ^2/NDF: 324879.5/47

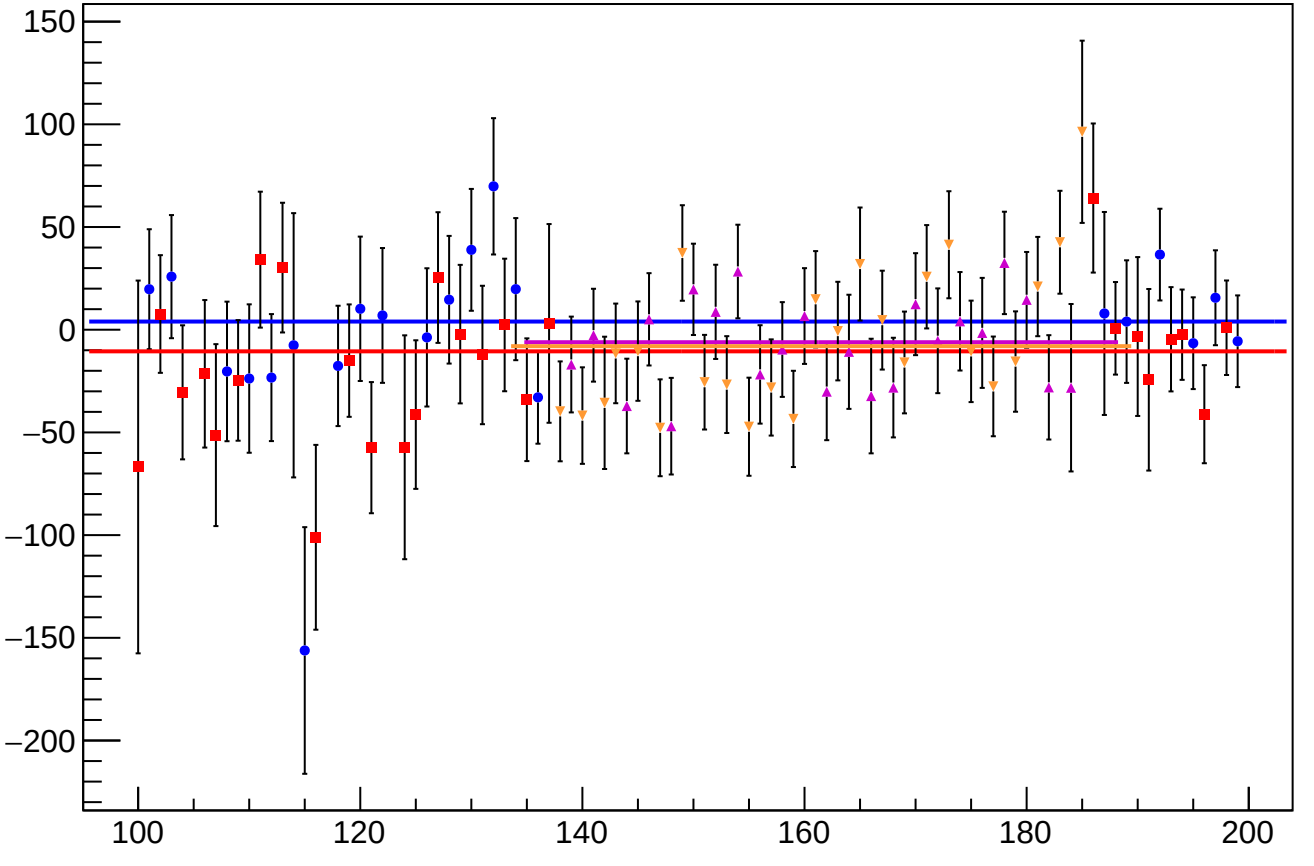
Right: 16.337+/-0.002 χ^2/NDF: 117787.3/48

In: 15.958+/-0.002 χ^2/NDF:225419.3/44

Out: 16.032+/-0.002 χ^2/NDF:250584.6/51

All: 15.996+/-0.001 χ^2/NDF: 476659.6/96

asym_bcm_an_avg_bcm_dg_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 3.977+/-6.379 χ^2/NDF: 21.6/21

Left Out: -8.016+/-4.956 χ^2/NDF:38.9/24

Right Out: -10.529+/-6.088 χ^2/NDF: 22.4/26

Left In: -6.086+/-5.080 χ^2/NDF:17.9/22

Left: -7.075+/-3.547 χ^2/NDF: 56.8/47

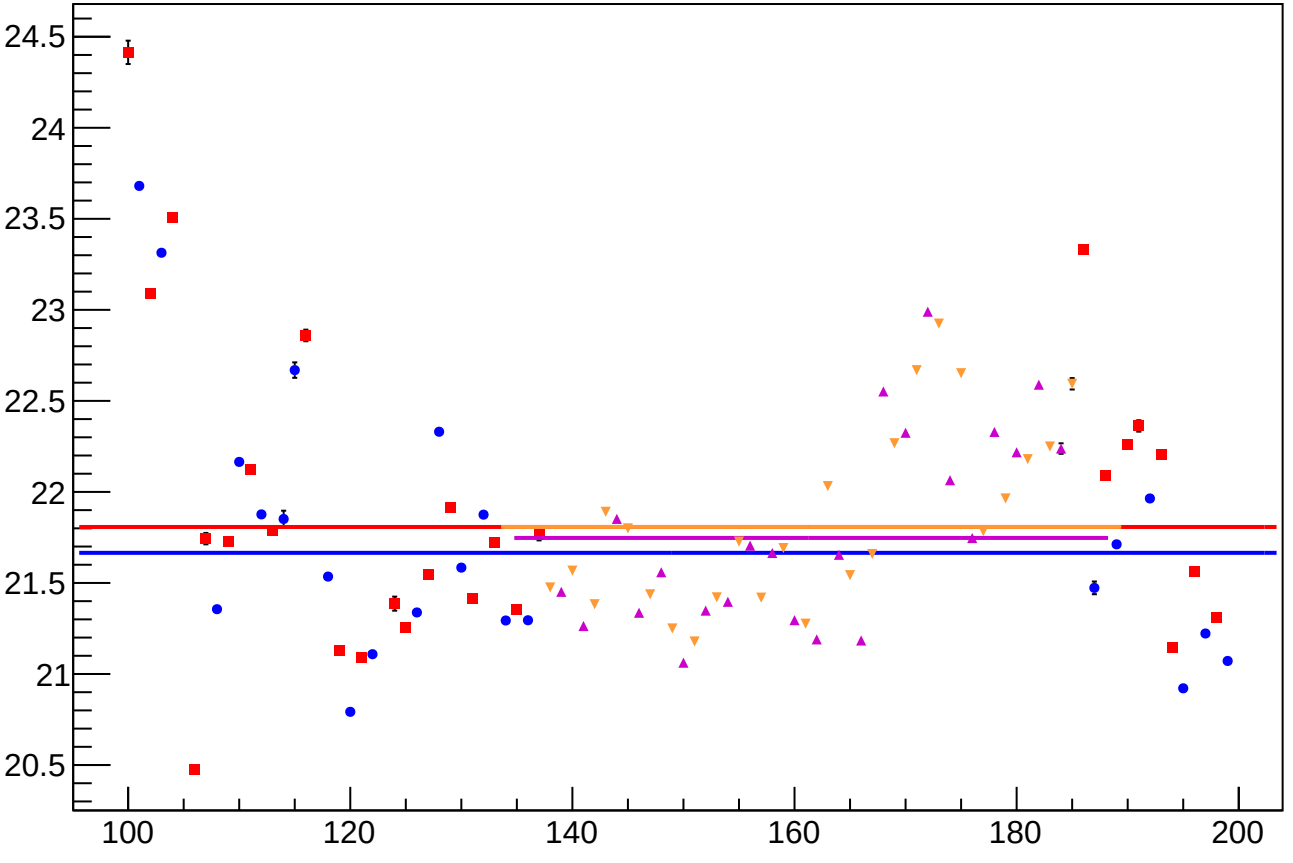
Right: -3.615+/-4.404 χ^2/NDF: 46.7/48

In: -2.181+/-3.974 χ^2/NDF:41.0/44

Out: -9.017+/-3.843 χ^2/NDF:61.4/51

All: -5.713+/-2.763 χ^2/NDF: 103.9/96

asym_bcm_an_avg_bcm_dg_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 21.665+/-0.005 χ^2/NDF: 25372.6/21

Left Out: 21.808+/-0.004 χ^2/NDF:17561.0/24

Right Out: 21.807+/-0.004 χ^2/NDF: 26754.8/26

Left In: 21.747+/-0.004 χ^2/NDF:20560.9/22

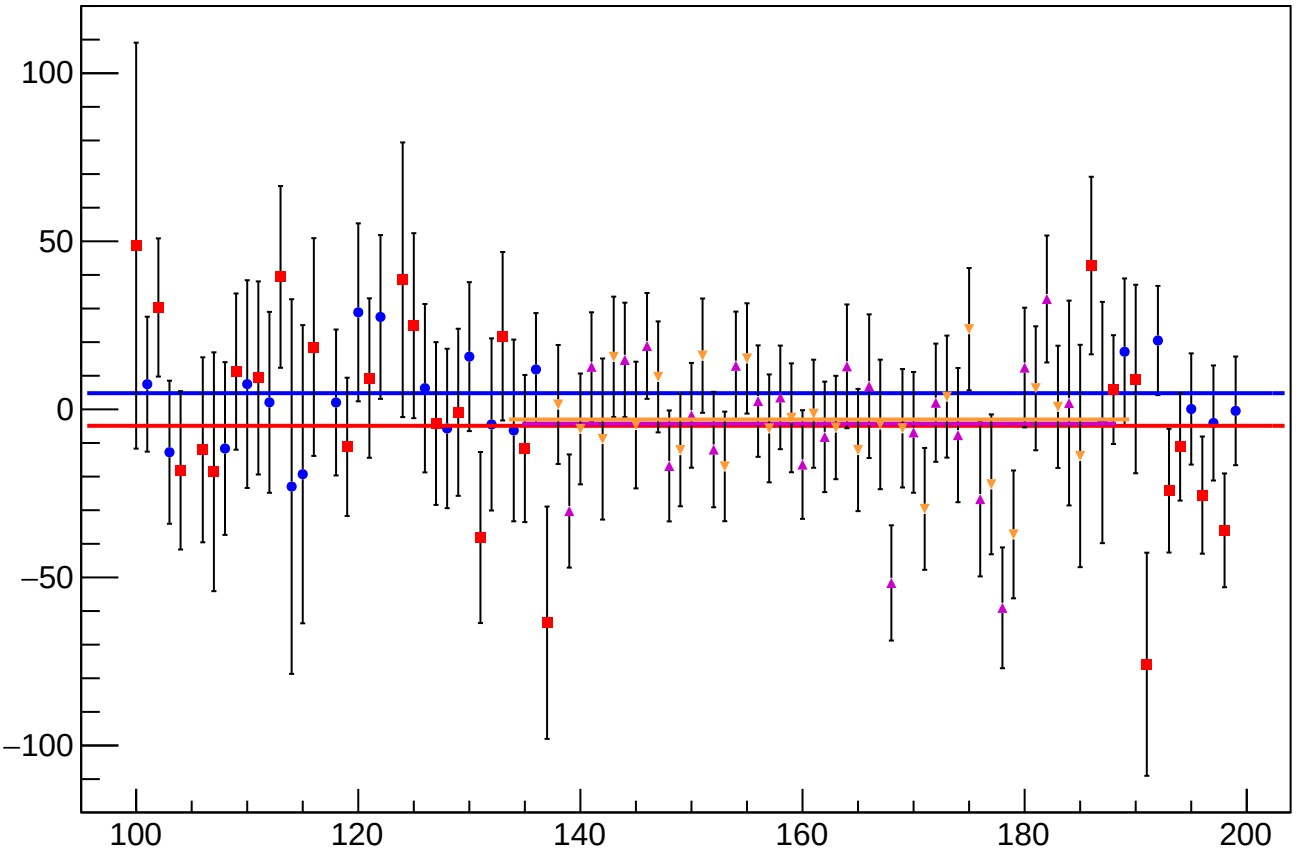
Left: 21.778+/-0.003 χ^2/NDF: 38266.9/47

Right: 21.740+/-0.003 χ^2/NDF: 52645.8/48

In: 21.716+/-0.003 χ^2/NDF:46134.8/44

Out: 21.808+/-0.003 χ^2/NDF:44315.8/51

All: 21.763+/-0.002 χ^2/NDF: 91005.3/96



Right In: 4.818+/-4.761 χ^2/NDF: 6.1/21

Left Out: -3.002+/-3.569 χ^2/NDF:14.6/24

Right Out: -4.889+/-4.542 χ^2/NDF: 31.3/26

Left In: -4.249+/-3.661 χ^2/NDF:33.8/22

Left: -3.610+/-2.555 χ^2/NDF: 48.5/47

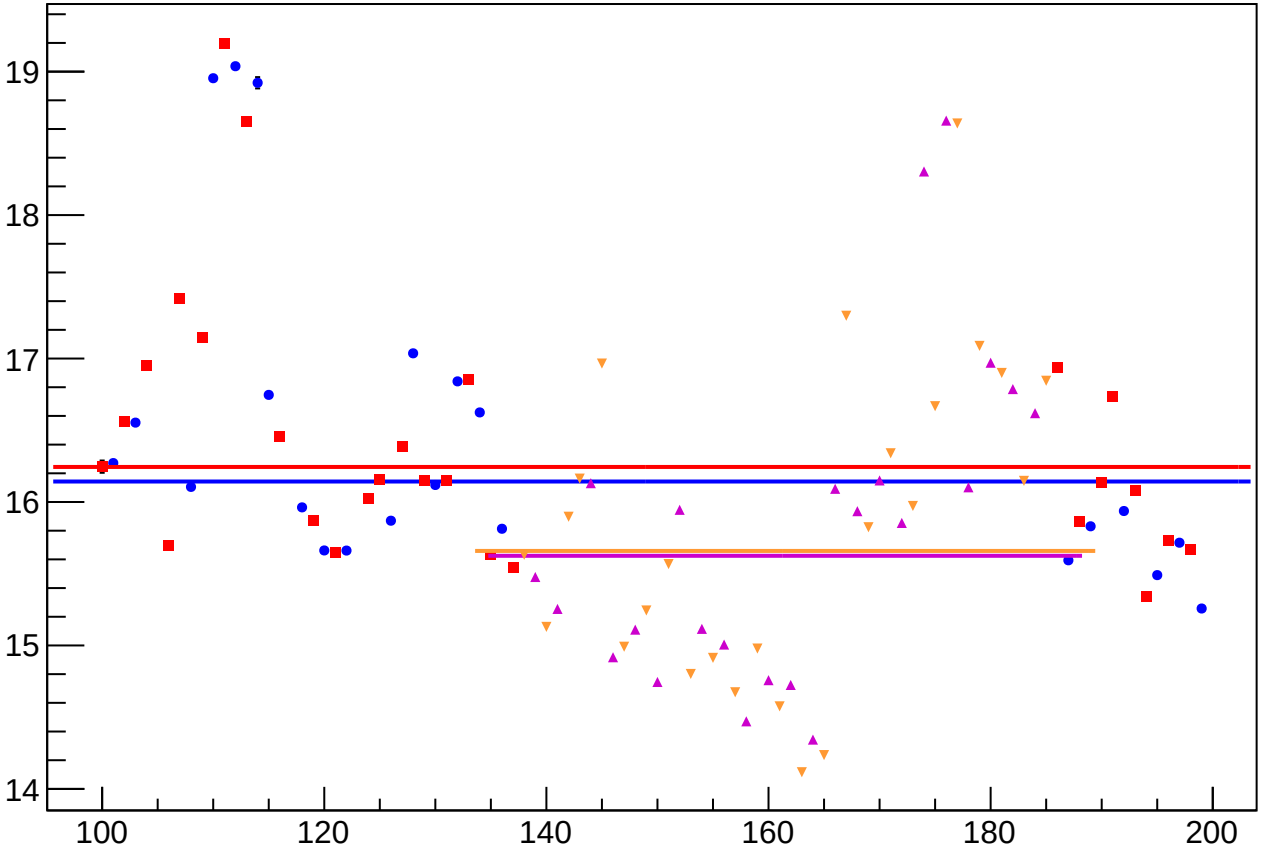
Right: -0.265+/-3.286 χ^2/NDF: 39.6/48

In: -0.881+/-2.902 χ^2/NDF:42.2/44

Out: -3.722+/-2.806 χ^2/NDF:46.1/51

All: -2.349+/-2.017 χ^2/NDF: 88.7/96

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 16.143+/-0.003 χ^2/NDF: 64956.3/21

Left Out: 15.659+/-0.003 χ^2/NDF:169838.6/24

Right Out: 16.244+/-0.003 χ^2/NDF: 64498.3/26

Left In: 15.625+/-0.003 χ^2/NDF:150431.7/22

Left: 15.642+/-0.002 χ^2/NDF: 320358.4/47

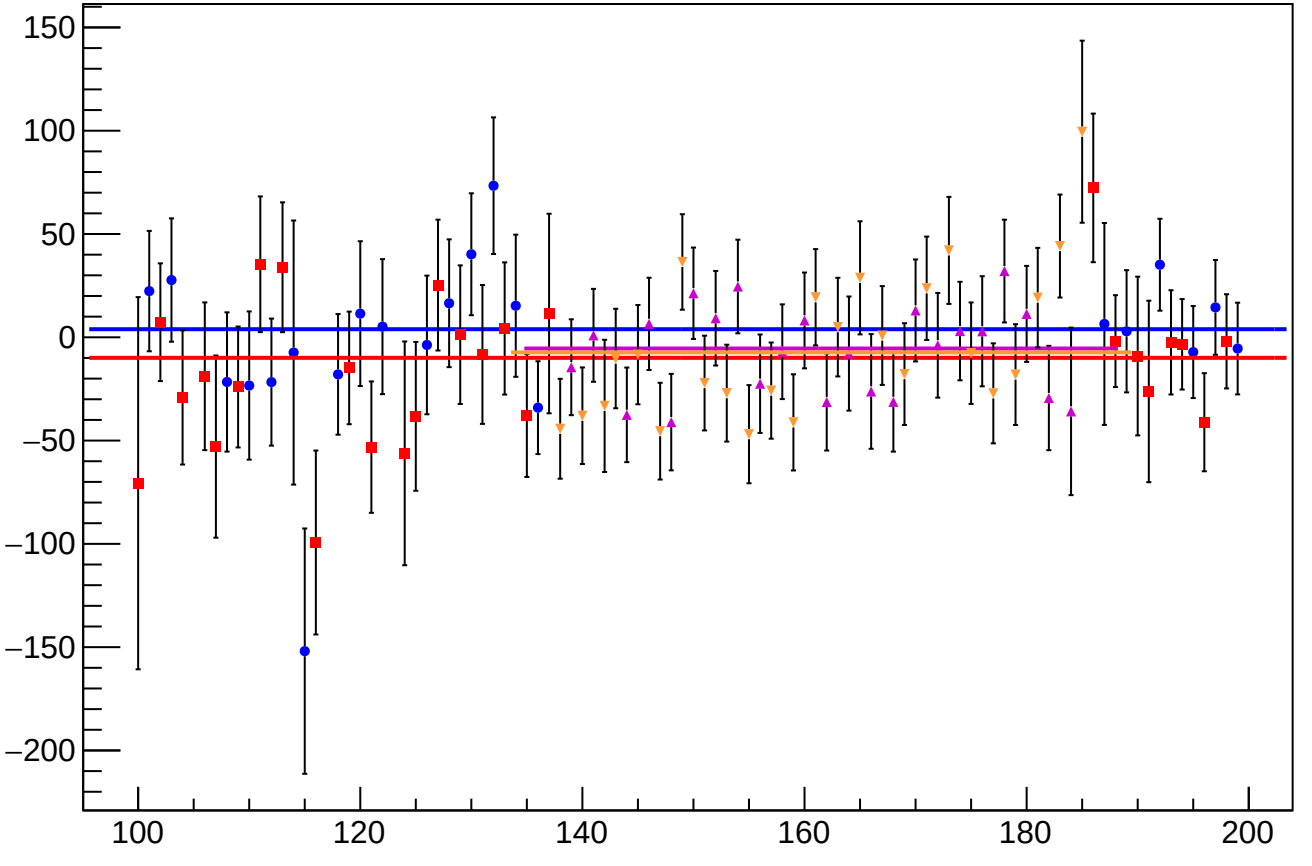
Right: 16.196+/-0.002 χ^2/NDF: 129930.7/48

In: 15.817+/-0.002 χ^2/NDF:230252.7/44

Out: 15.882+/-0.002 χ^2/NDF:254878.6/51

All: 15.851+/-0.001 χ^2/NDF: 485649.7/96

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 3.915+/-6.348 χ^2/NDF: 22.1/21

Left Out: -7.318+/-4.929 χ^2/NDF:38.6/24

Right Out: -9.942+/-6.052 χ^2/NDF: 23.7/26

Left In: -5.435+/-5.054 χ^2/NDF:17.3/22

Left: -6.400+/-3.529 χ^2/NDF: 56.0/47

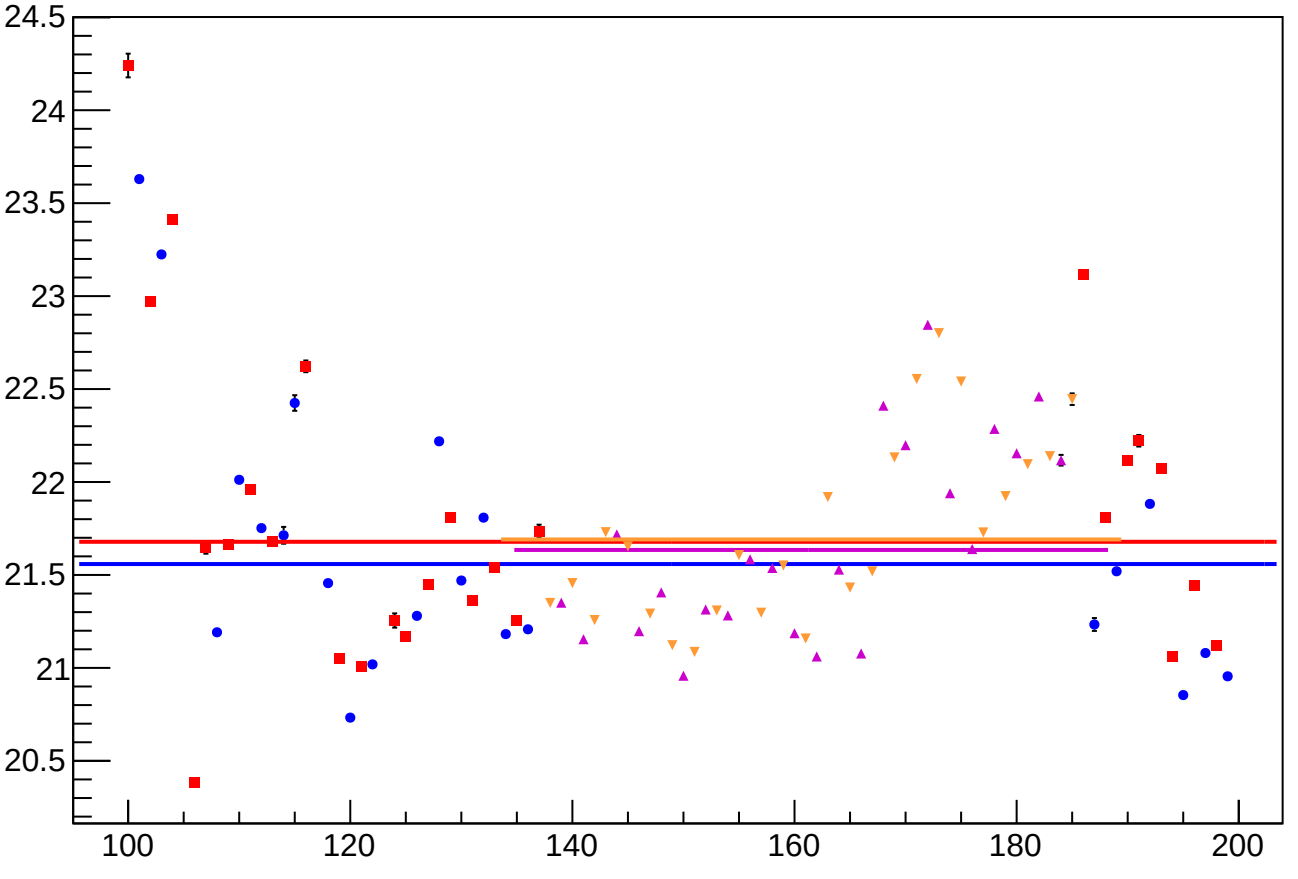
Right: -3.345+/-4.380 χ^2/NDF: 48.3/48

In: -1.808+/-3.954 χ^2/NDF:40.7/44

Out: -8.365+/-3.822 χ^2/NDF:62.4/51

All: -5.197+/-2.748 χ^2/NDF: 104.5/96

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 21.559+/-0.004 χ^2/NDF: 25857.7/21

Left Out: 21.691+/-0.003 χ^2/NDF:17934.9/24

Right Out: 21.678+/-0.004 χ^2/NDF: 25628.5/26

Left In: 21.635+/-0.004 χ^2/NDF:20561.5/22

Left: 21.663+/-0.002 χ^2/NDF: 38623.9/47

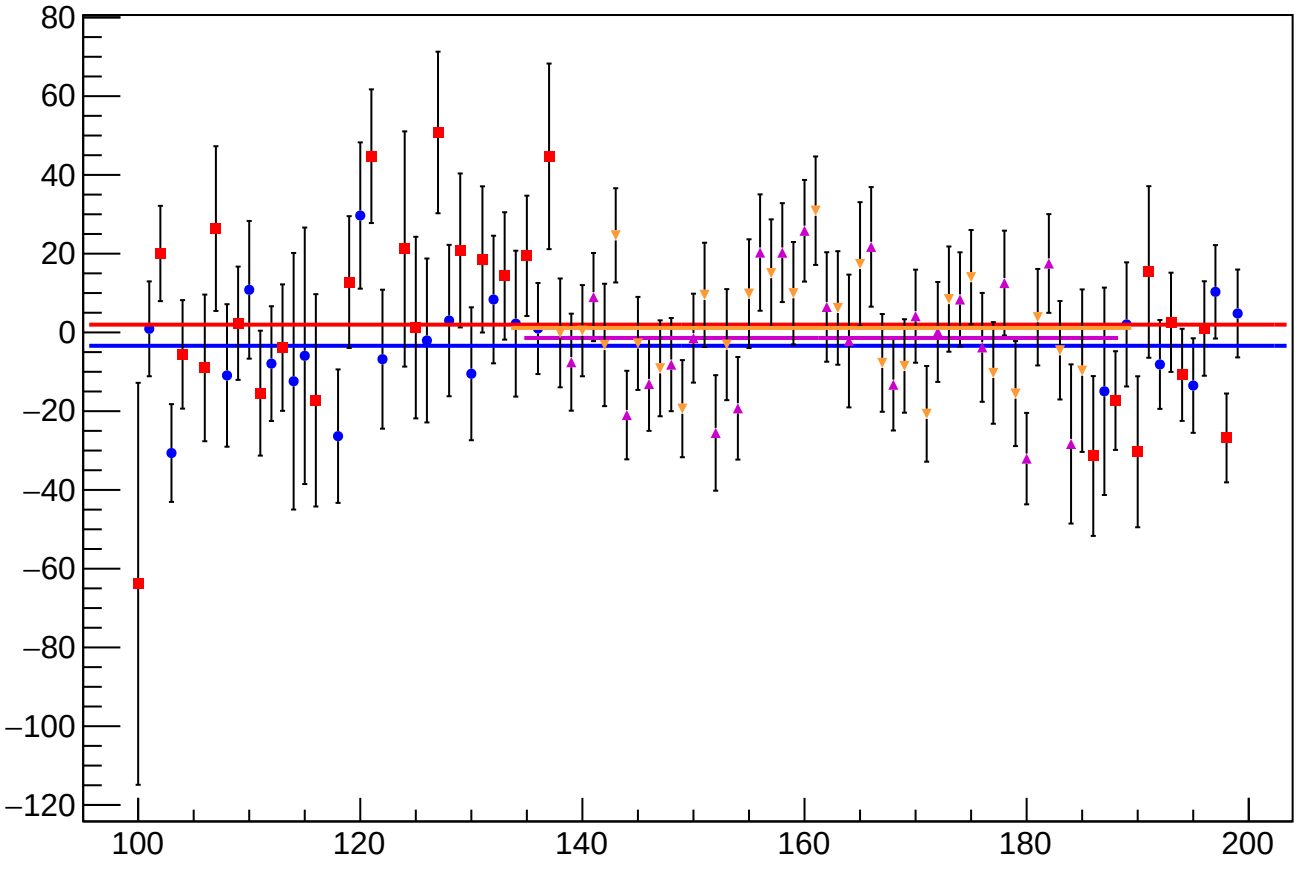
Right: 21.621+/-0.003 χ^2/NDF: 51859.1/48

In: 21.605+/-0.003 χ^2/NDF:46594.1/44

Out: 21.686+/-0.003 χ^2/NDF:43568.6/51

All: 21.647+/-0.002 χ^2/NDF: 90594.6/96

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -3.396+/-3.261 χ^2/NDF: 15.1/21

Left Out: 1.138+/-2.620 χ^2/NDF:24.5/24

Right Out: 1.974+/-3.137 χ^2/NDF: 43.5/26

Left In: -1.407+/-2.674 χ^2/NDF:36.3/22

Left: -0.108+/-1.871 χ^2/NDF: 61.3/47

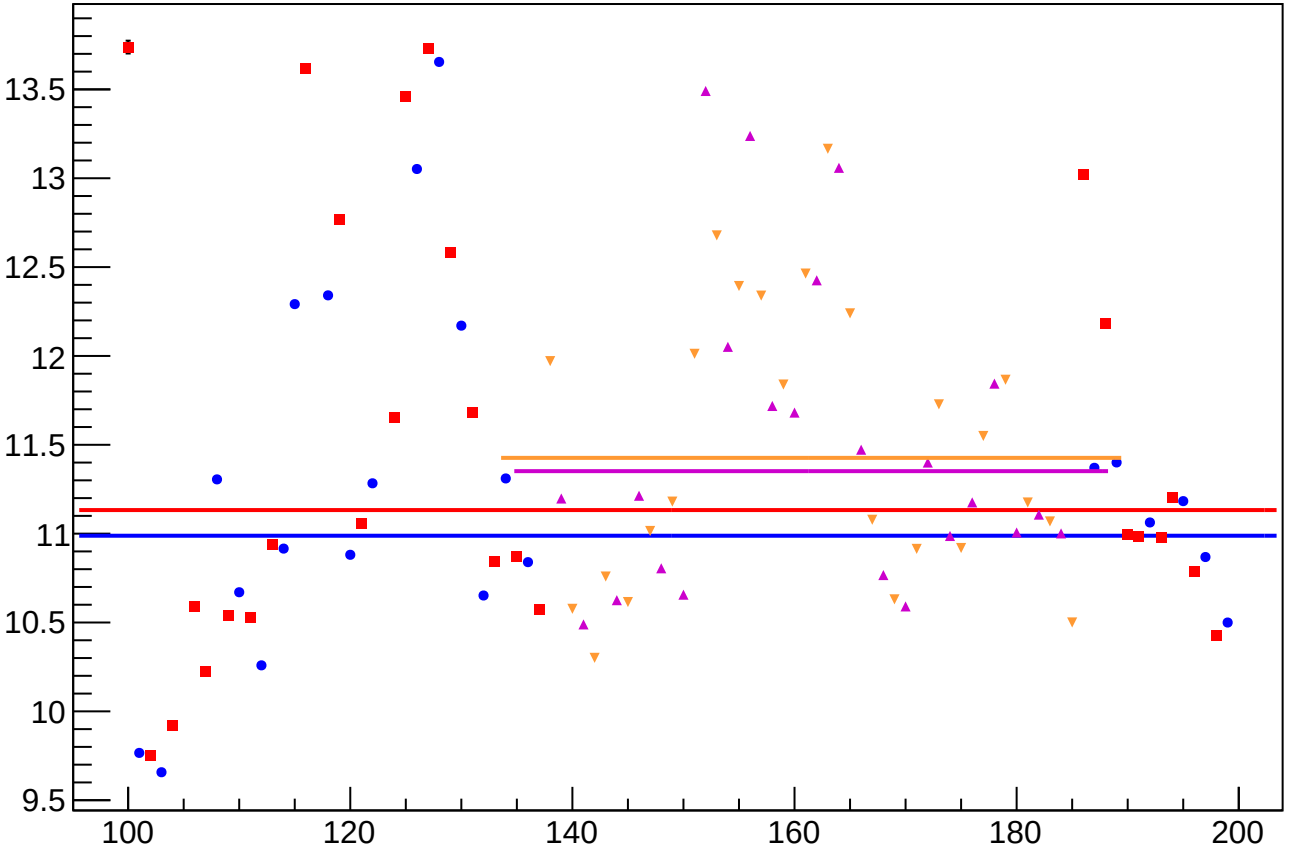
Right: -0.607+/-2.261 χ^2/NDF: 60.0/48

In: -2.206+/-2.068 χ^2/NDF:51.7/44

Out: 1.481+/-2.011 χ^2/NDF:68.0/51

All: -0.311+/-1.442 χ^2/NDF: 121.3/96

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 10.988+/-0.002 χ^2/NDF: 142615.2/21

Left Out: 11.426+/-0.002 χ^2/NDF:156973.4/24

Right Out: 11.133+/-0.002 χ^2/NDF: 204569.1/26

Left In: 11.352+/-0.002 χ^2/NDF:170563.6/22

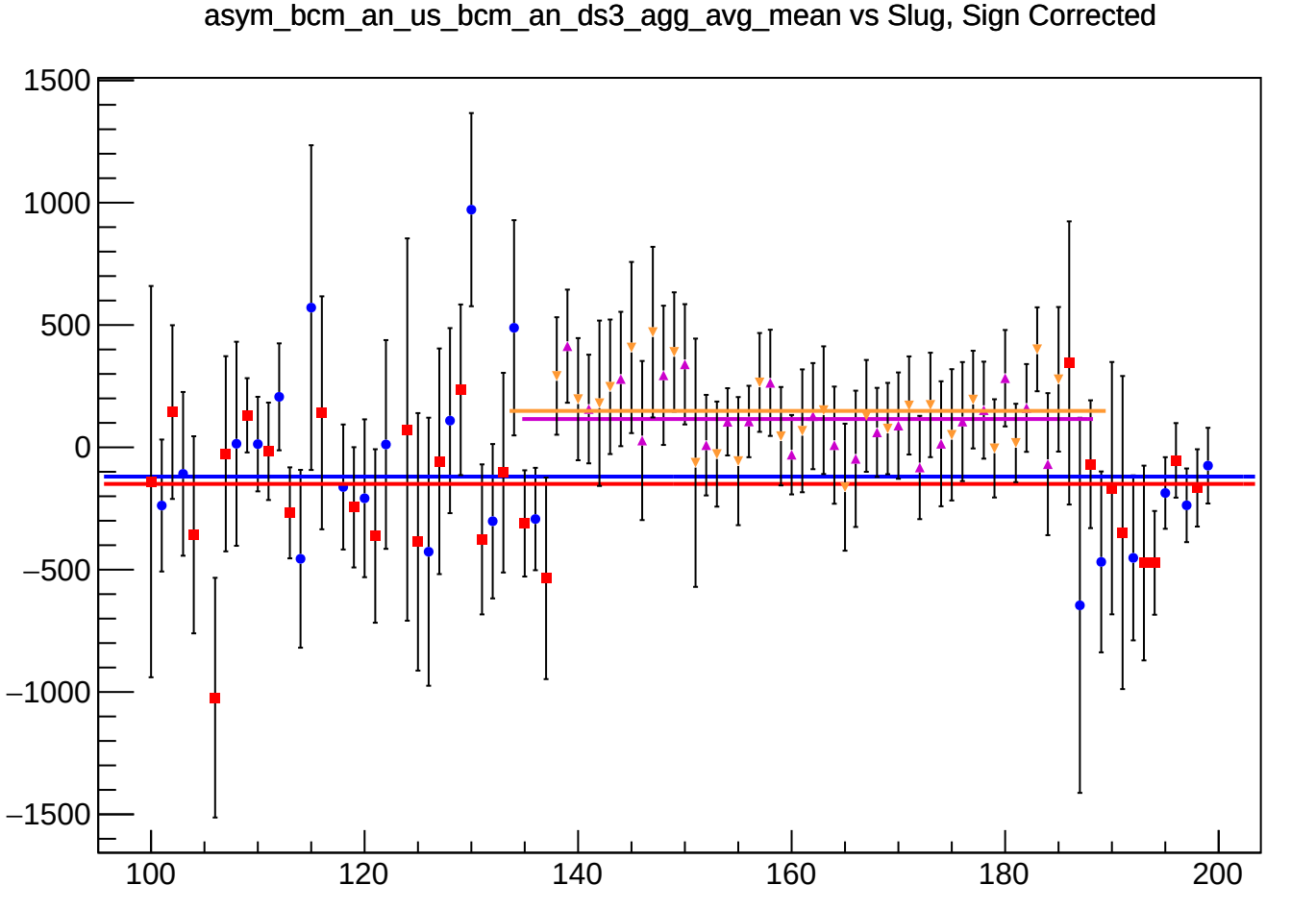
Left: 11.390+/-0.001 χ^2/NDF: 328334.9/47

Right: 11.063+/-0.002 χ^2/NDF: 349220.7/48

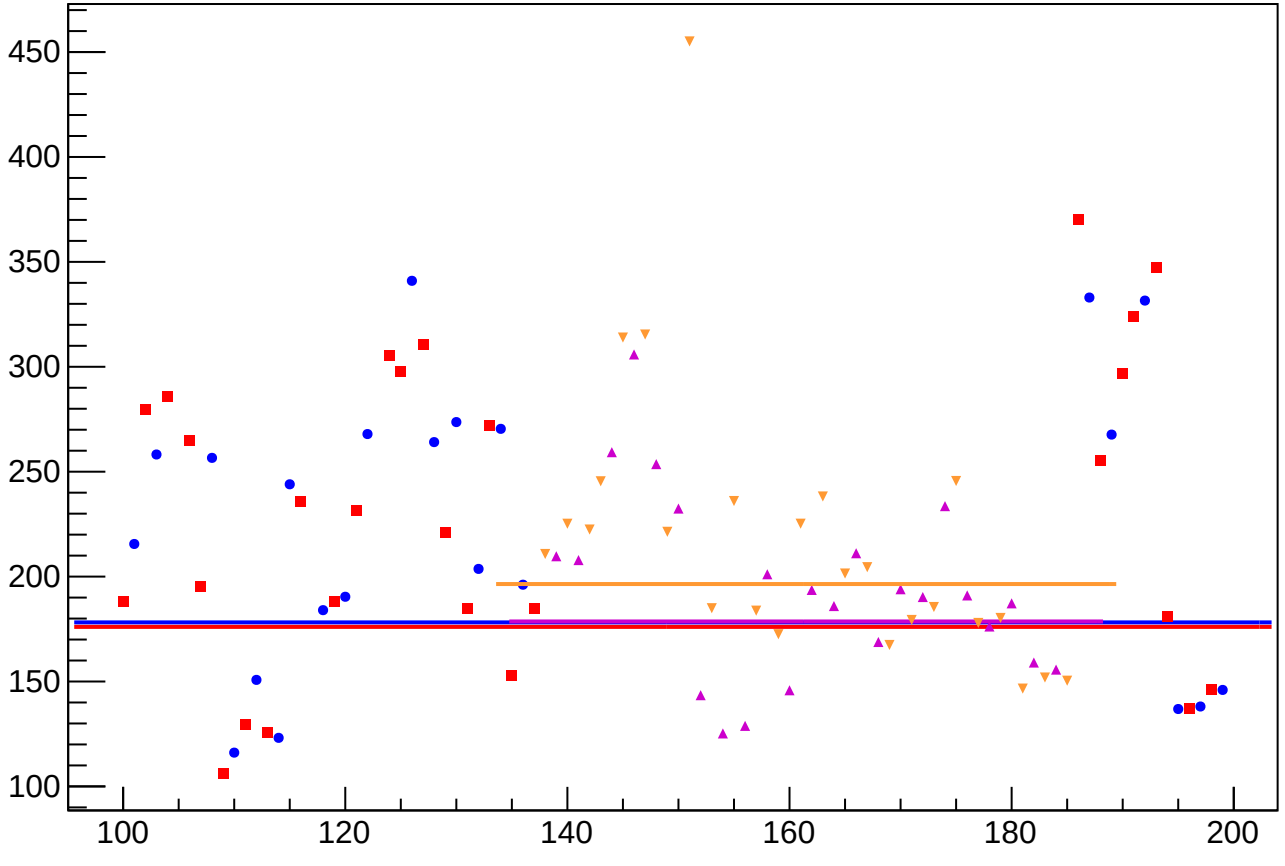
In: 11.206+/-0.001 χ^2/NDF:328027.4/44

Out: 11.306+/-0.001 χ^2/NDF:371873.7/51

All: 11.257+/-0.001 χ^2/NDF: 702311.8/96


asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs Slug, Sign Corrected
1500
1000
500
0
−500
−1000
−1500
100
120
140
160
180
200
Right In: -119.584+/-55.756 χ²/NDF: 19.6/21
Left Out: 148.905+/-46.306 χ²/NDF:10.5/24
Right Out: -149.544+/-53.443 χ²/NDF: 17.2/26
Left In: 115.709+/-43.641 χ²/NDF:7.8/22
Left: 131.325+/-31.759 χ²/NDF: 18.6/47
Right: -135.198+/-38.582 χ²/NDF: 37.0/48
In: 26.322+/-34.366 χ²/NDF:38.5/44
Out: 20.924+/-34.997 χ²/NDF:45.5/51
All: 23.672+/-24.520 χ²/NDF: 84.0/96

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs Slug, Sign Corrected



Right In: 178.175+/-0.039 χ^2/NDF: 2132332.0/21

Left Out: 196.454+/-0.033 χ^2/NDF:1818746.1/24

Right Out: 176.034+/-0.038 χ^2/NDF: 2856078.6/26

Left In: 178.614+/-0.031 χ^2/NDF:1678859.8/22

Left: 187.006+/-0.022 χ^2/NDF: 3654827.6/47

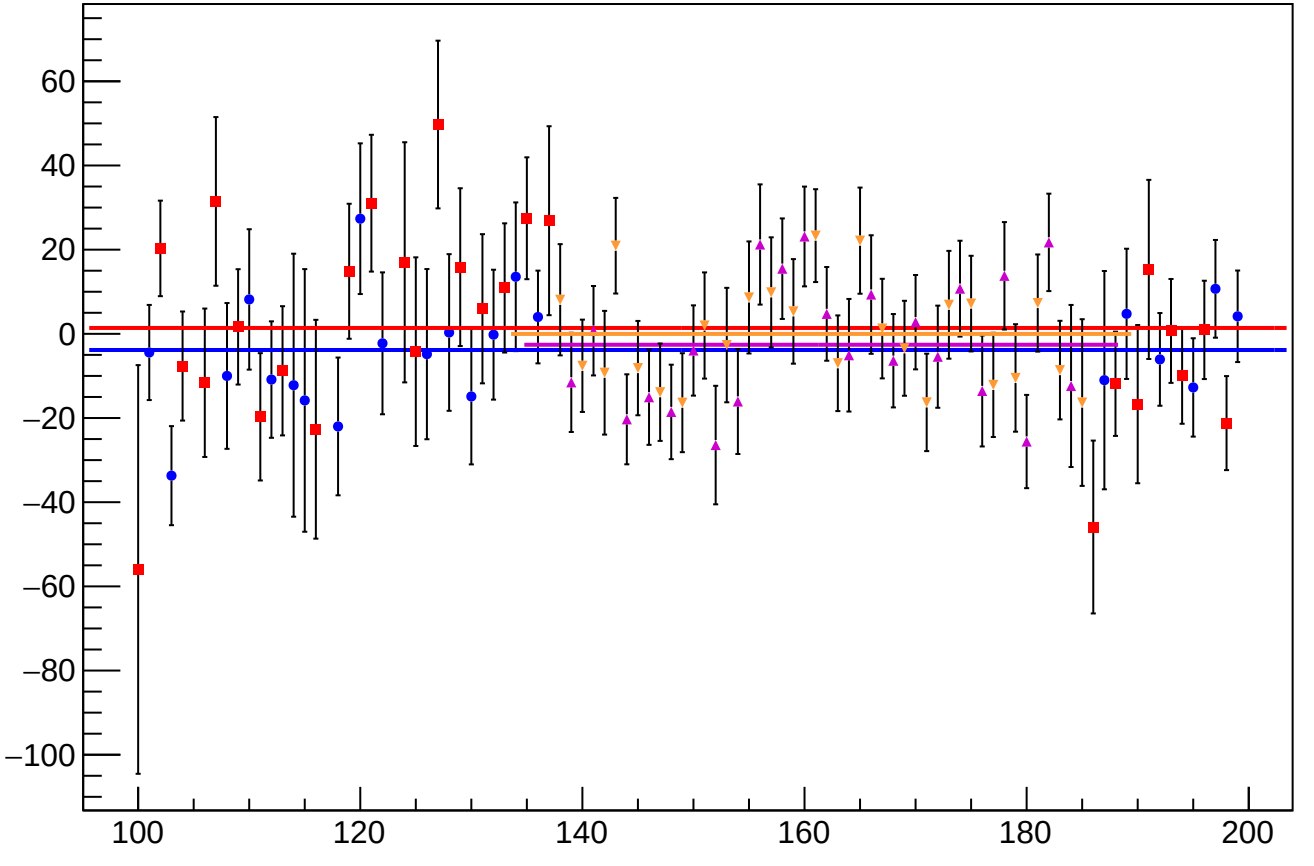
Right: 177.059+/-0.027 χ^2/NDF: 4989948.6/48

In: 178.447+/-0.024 χ^2/NDF:3811268.5/44

Out: 187.697+/-0.025 χ^2/NDF:4841614.4/51

All: 182.988+/-0.017 χ^2/NDF: 8724016.3/96

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs Slug, Sign Corrected



Right In: -3.839+/-3.138 χ^2/NDF: 17.0/21

Left Out: -0.018+/-2.445 χ^2/NDF:23.7/24

Right Out: 1.398+/-3.024 χ^2/NDF: 39.5/26

Left In: -2.591+/-2.506 χ^2/NDF:34.8/22

Left: -1.272+/-1.750 χ^2/NDF: 59.1/47

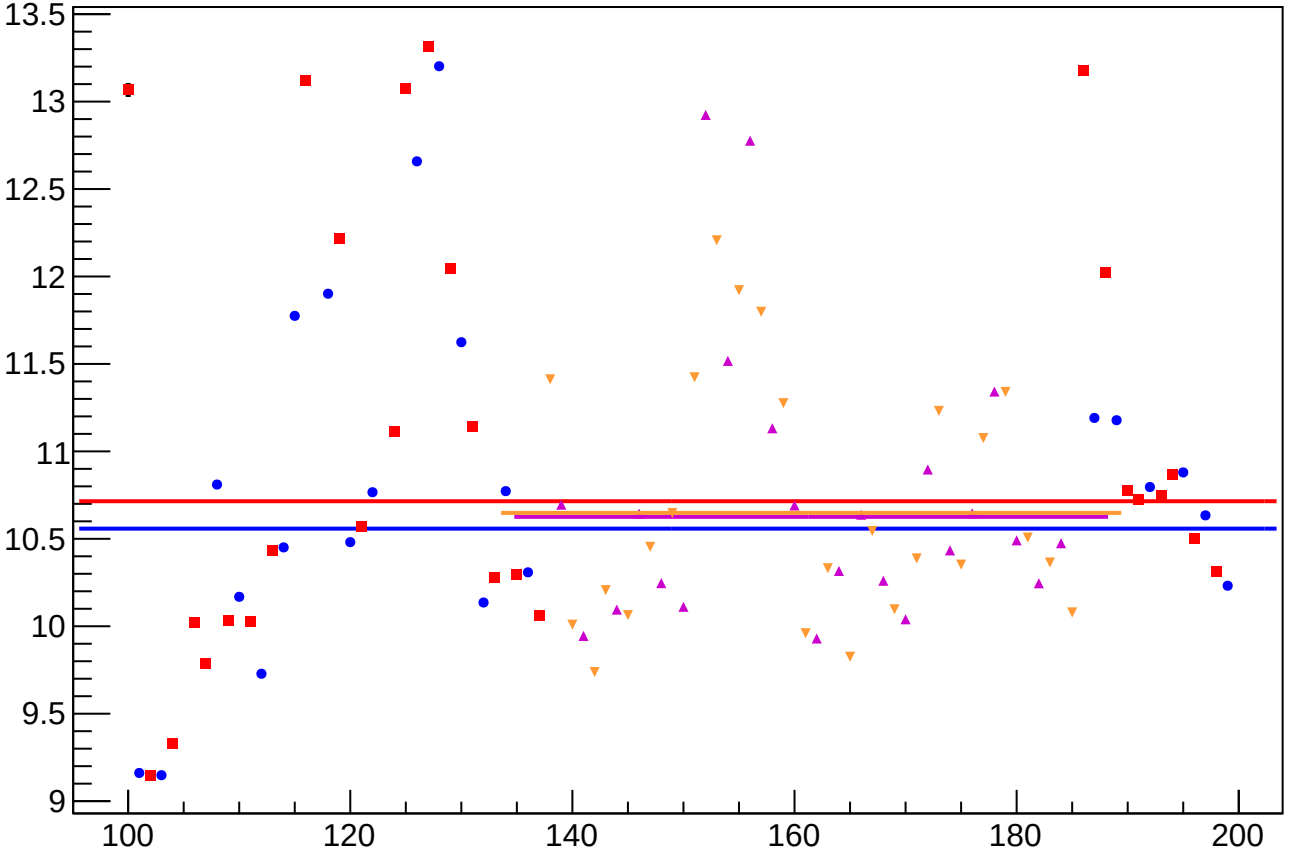
Right: -1.124+/-2.178 χ^2/NDF: 57.9/48

In: -3.077+/-1.958 χ^2/NDF:51.9/44

Out: 0.542+/-1.901 χ^2/NDF:63.4/51

All: -1.214+/-1.364 χ^2/NDF: 117.0/96

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug, Sign Corrected



Right In: 10.558+/-0.002 χ^2/NDF: 167092.9/21

Left Out: 10.648+/-0.002 χ^2/NDF:143535.9/24

Right Out: 10.715+/-0.002 χ^2/NDF: 245403.2/26

Left In: 10.626+/-0.002 χ^2/NDF:159543.1/22

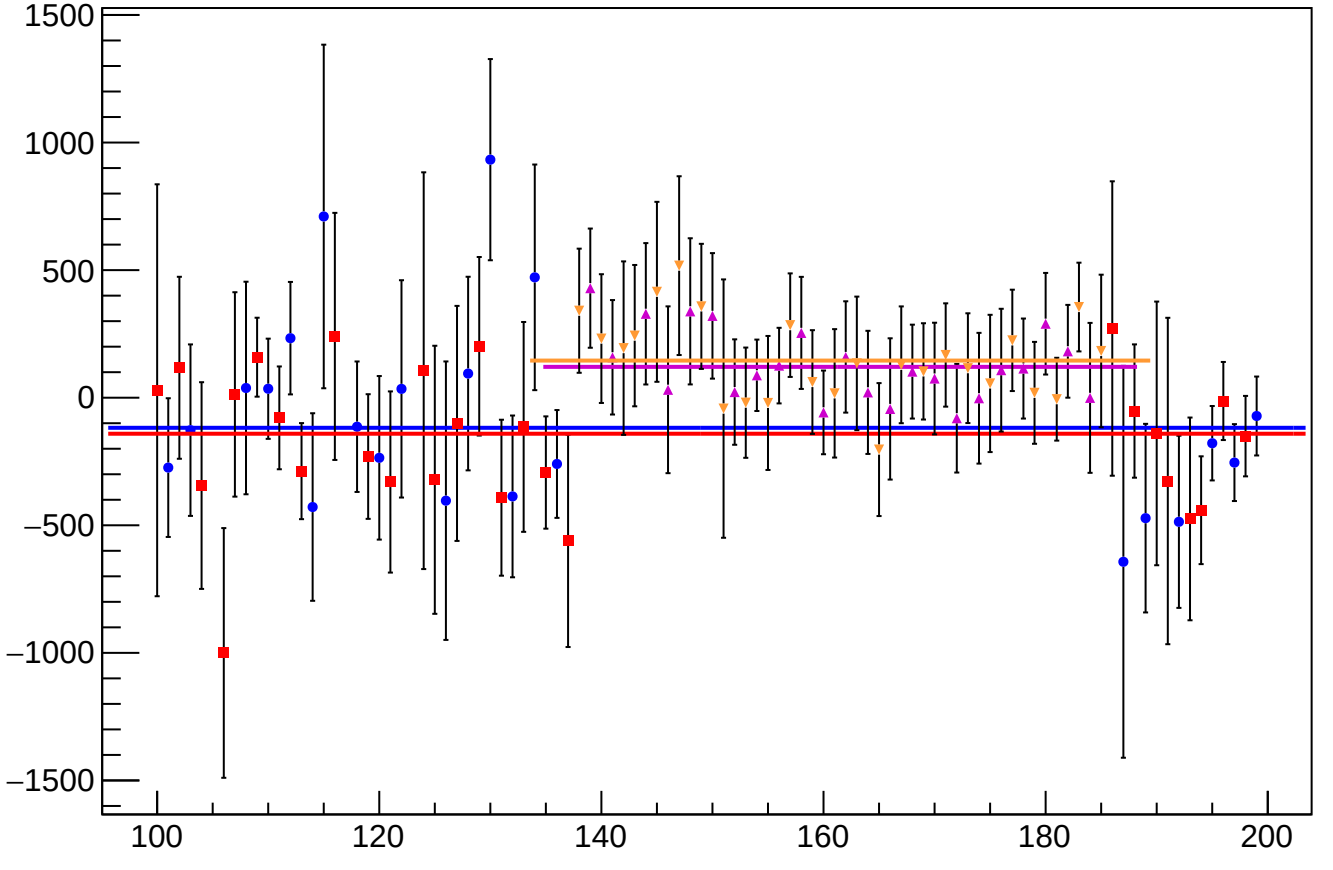
Left: 10.637+/-0.001 χ^2/NDF: 303162.3/47

Right: 10.640+/-0.002 χ^2/NDF: 415083.1/48

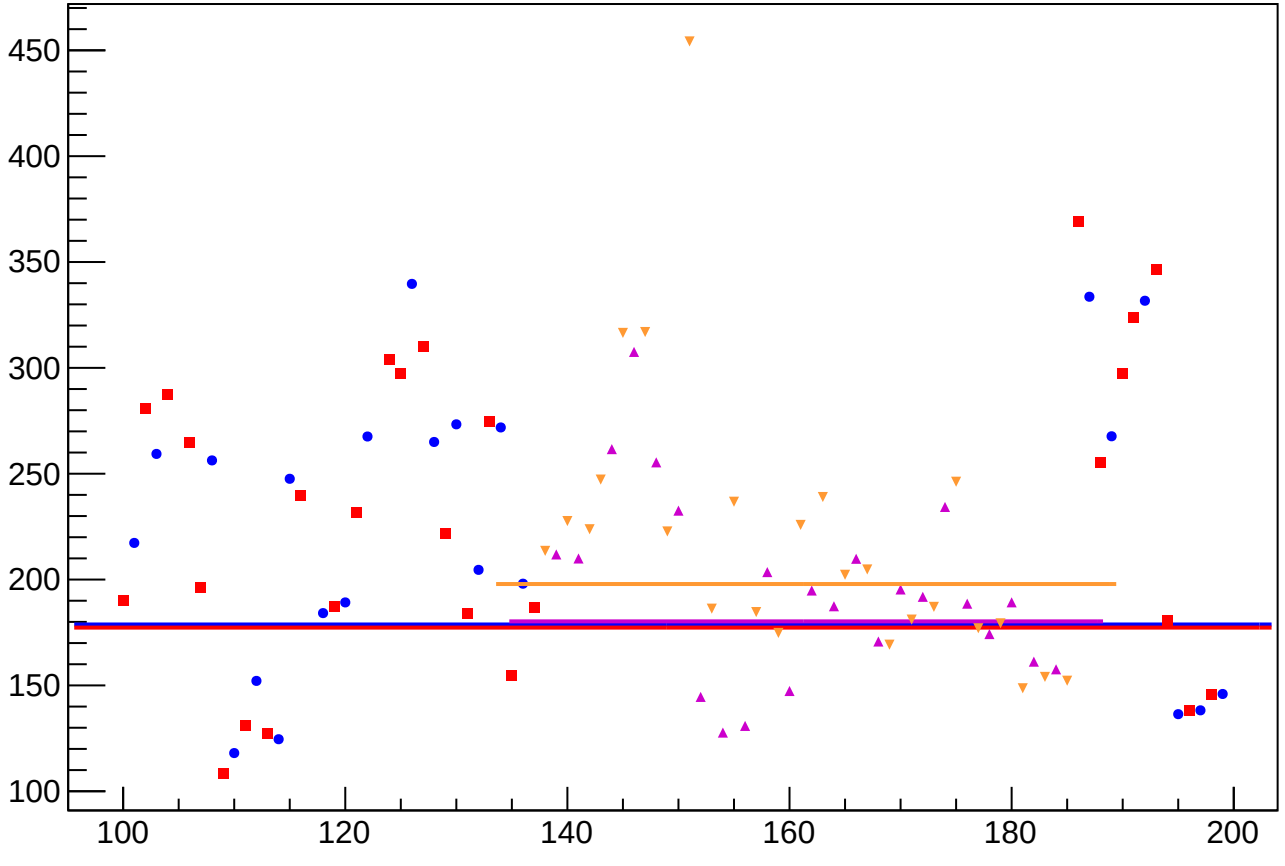
In: 10.599+/-0.001 χ^2/NDF:327199.9/44

Out: 10.675+/-0.001 χ^2/NDF:389528.0/51

All: 10.638+/-0.001 χ^2/NDF: 718246.8/96


asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected
1500
1000
500
0
−500
−1000
−1500
100
120
140
160
180
200
Right In: -117.922+/-55.925 χ²/NDF: 20.4/21
Left Out: 145.545+/-46.613 χ²/NDF:10.3/24
Right Out: -141.175+/-53.740 χ²/NDF: 17.0/26
Left In: 120.888+/-43.994 χ²/NDF:8.2/22
Left: 132.504+/-31.994 χ²/NDF: 18.7/47
Right: -130.012+/-38.749 χ²/NDF: 37.5/48
In: 29.596+/-34.577 χ²/NDF:39.9/44
Out: 22.445+/-35.213 χ²/NDF:43.6/51
All: 26.086+/-24.671 χ²/NDF: 83.5/96

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 178.779+/-0.040 χ^2/NDF: 2121906.9/21

Left Out: 197.890+/-0.033 χ^2/NDF:1788849.3/24

Right Out: 177.307+/-0.038 χ^2/NDF: 2791670.8/26

Left In: 180.248+/-0.031 χ^2/NDF:1627777.0/22

Left: 188.560+/-0.023 χ^2/NDF: 3568150.7/47

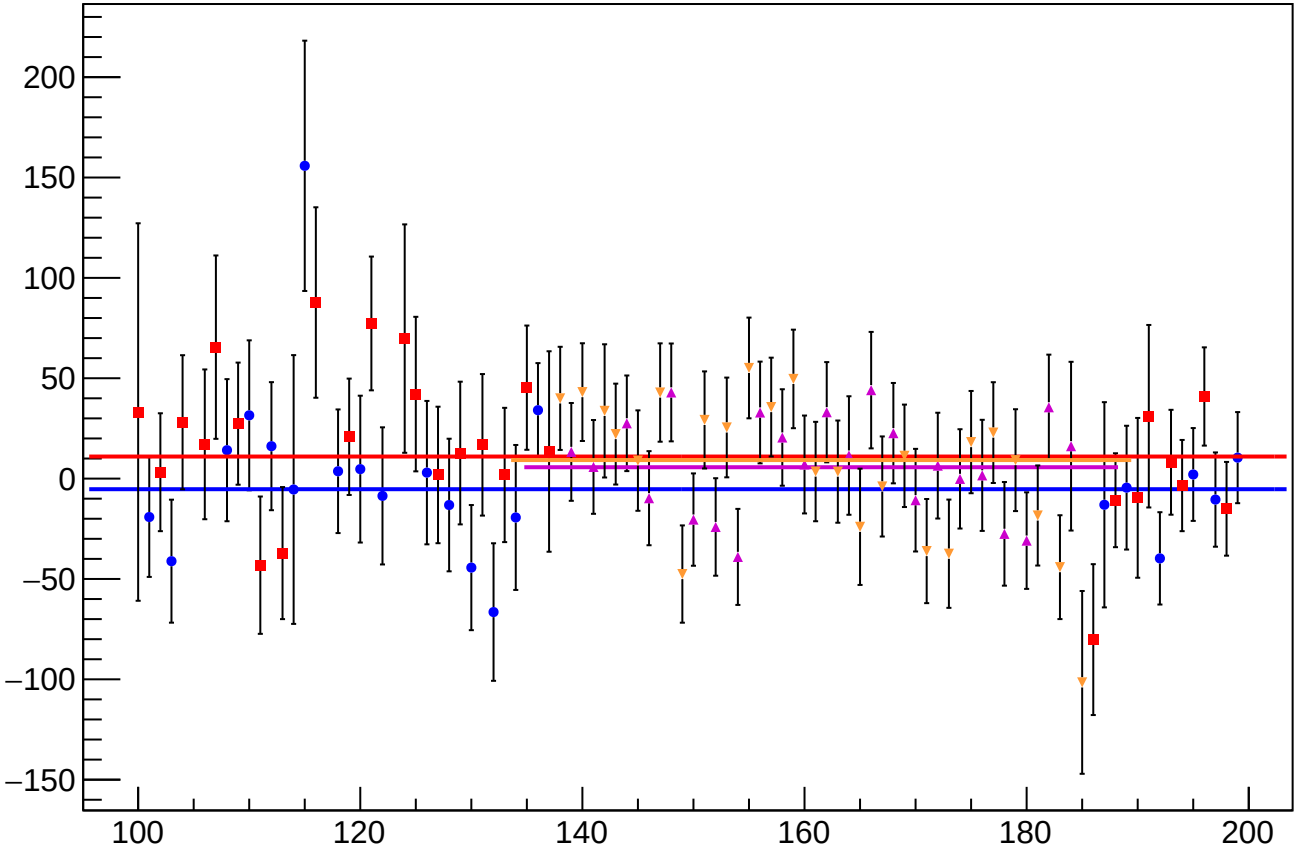
Right: 178.013+/-0.027 χ^2/NDF: 4914298.6/48

In: 179.686+/-0.024 χ^2/NDF:3750536.1/44

Out: 189.053+/-0.025 χ^2/NDF:4747961.3/51

All: 184.284+/-0.017 χ^2/NDF: 8570540.1/96

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -5.283+/-6.602 χ^2/NDF: 20.9/21

Left Out: 9.234+/-5.162 χ^2/NDF:39.4/24

Right Out: 10.995+/-6.312 χ^2/NDF: 27.0/26

Left In: 5.668+/-5.286 χ^2/NDF:20.8/22

Left: 7.493+/-3.693 χ^2/NDF: 60.5/47

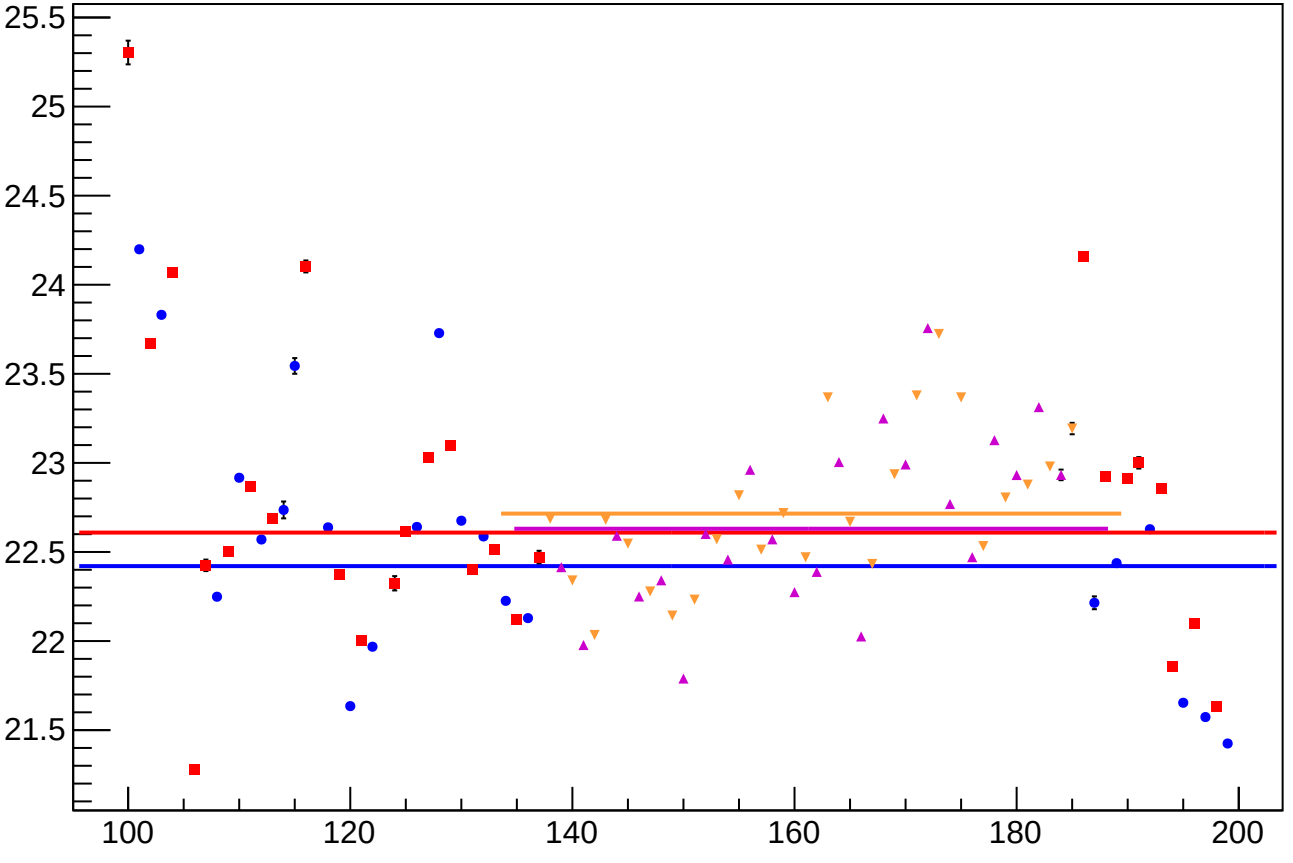
Right: 3.222+/-4.562 χ^2/NDF: 51.0/48

In: 1.390+/-4.127 χ^2/NDF:43.4/44

Out: 9.940+/-3.996 χ^2/NDF:66.5/51

All: 5.802+/-2.871 χ^2/NDF: 112.0/96

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 22.421+/-0.005 χ^2/NDF: 26460.4/21

Left Out: 22.715+/-0.004 χ^2/NDF:12181.4/24

Right Out: 22.609+/-0.004 χ^2/NDF: 25650.1/26

Left In: 22.631+/-0.004 χ^2/NDF:15391.4/22

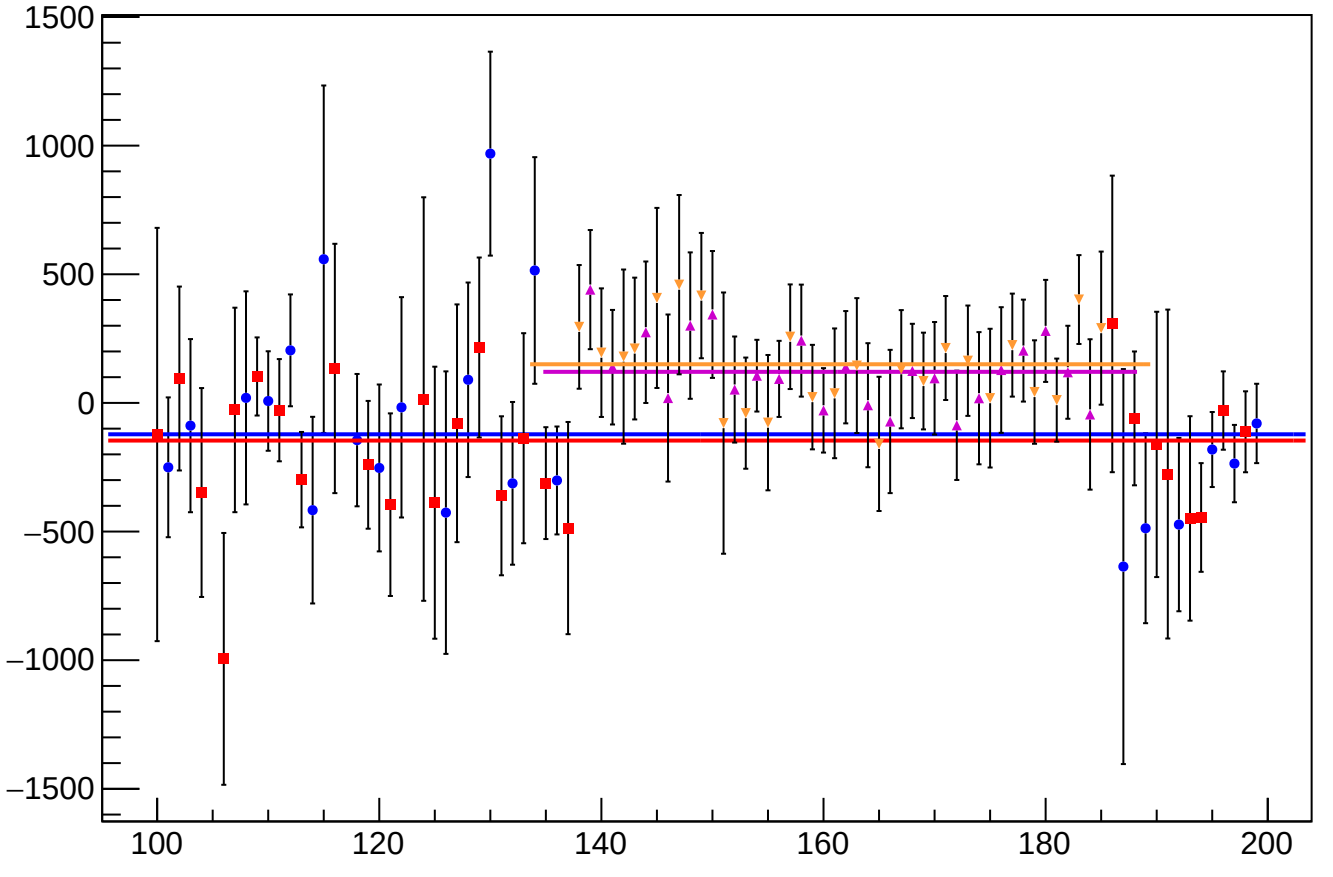
Left: 22.674+/-0.003 χ^2/NDF: 27836.9/47

Right: 22.519+/-0.003 χ^2/NDF: 52959.4/48

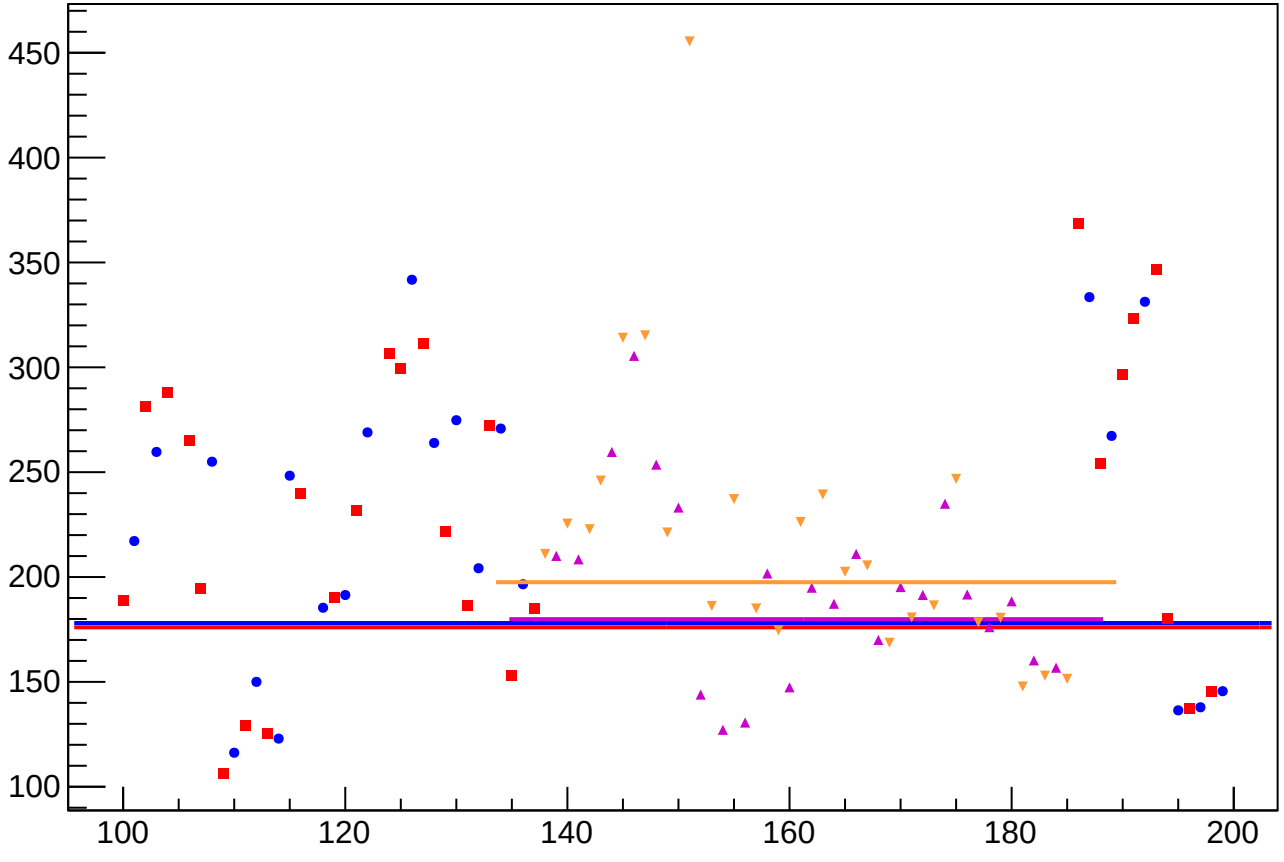
In: 22.549+/-0.003 χ^2/NDF:43083.6/44

Out: 22.673+/-0.003 χ^2/NDF:38173.6/51

All: 22.613+/-0.002 χ^2/NDF: 82191.8/96


asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected
1500
1000
500
0
−500
−1000
−1500
100
120
140
160
180
200
Right In: -121.969+/-55.751 χ²/NDF: 19.7/21
Left Out: 150.218+/-46.535 χ²/NDF:11.0/24
Right Out: -146.310+/-53.450 χ²/NDF: 15.6/26
Left In: 120.760+/-43.920 χ²/NDF:7.9/22
Left: 134.638+/-31.941 χ²/NDF: 19.1/47
Right: -134.652+/-38.583 χ²/NDF: 35.3/48
In: 27.808+/-34.500 χ²/NDF:39.2/44
Out: 22.365+/-35.097 χ²/NDF:44.0/51
All: 25.133+/-24.604 χ²/NDF: 83.3/96

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 178.081+/-0.039 χ^2/NDF: 2153845.0/21

Left Out: 197.534+/-0.033 χ^2/NDF:1789891.0/24

Right Out: 176.021+/-0.038 χ^2/NDF: 2871872.4/26

Left In: 179.923+/-0.031 χ^2/NDF:1624144.3/22

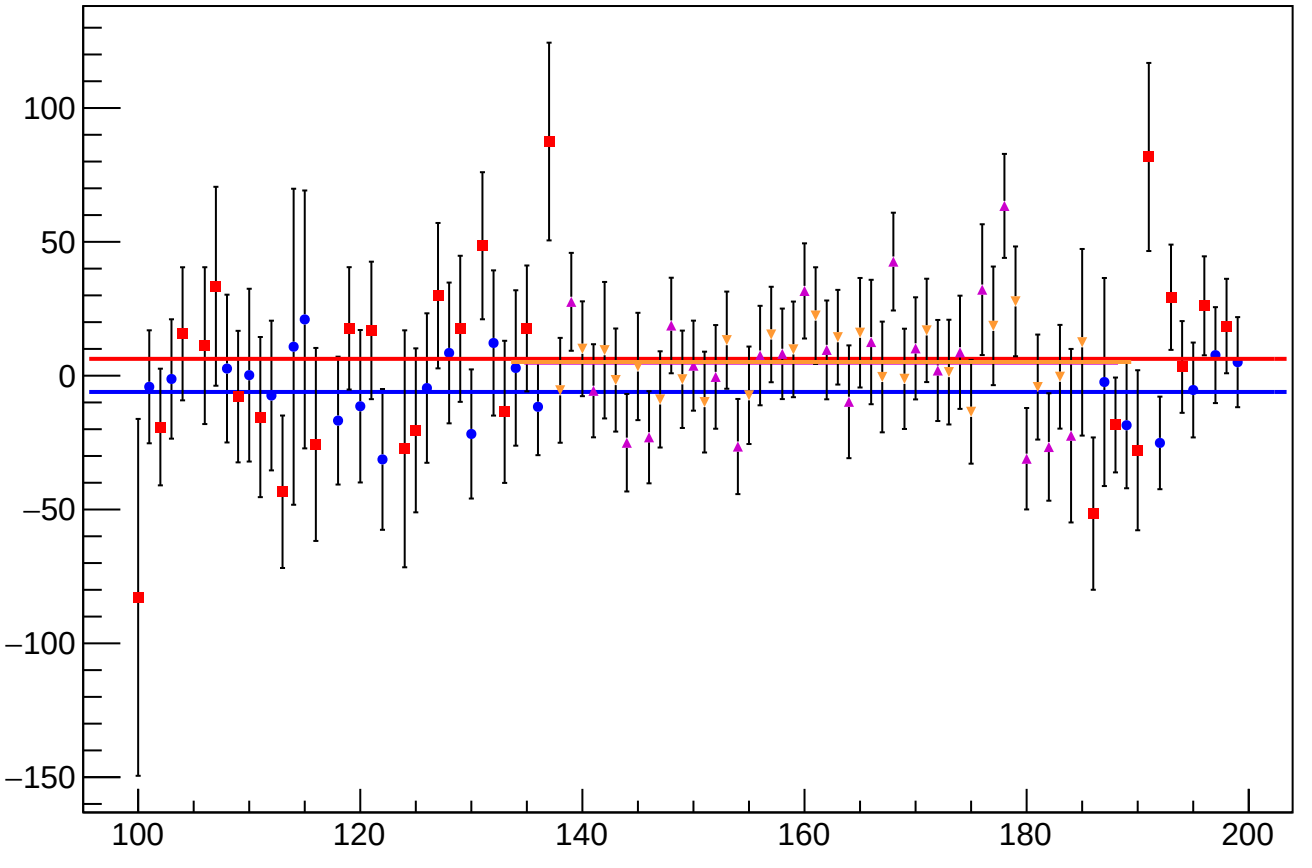
Left: 188.220+/-0.023 χ^2/NDF: 3565525.8/47

Right: 177.007+/-0.027 χ^2/NDF: 5027140.1/48

In: 179.218+/-0.024 χ^2/NDF:3779337.7/44

Out: 188.258+/-0.025 χ^2/NDF:4846067.3/51

All: 183.660+/-0.017 χ^2/NDF: 8692893.0/96



Right In: -6.081+/-5.087 χ^2/NDF: 5.7/21

Left Out: 5.119+/-3.890 χ^2/NDF:7.9/24

Right Out: 6.288+/-4.875 χ^2/NDF: 34.2/26

Left In: 4.858+/-3.980 χ^2/NDF:35.5/22

Left: 4.992+/-2.782 χ^2/NDF: 43.4/47

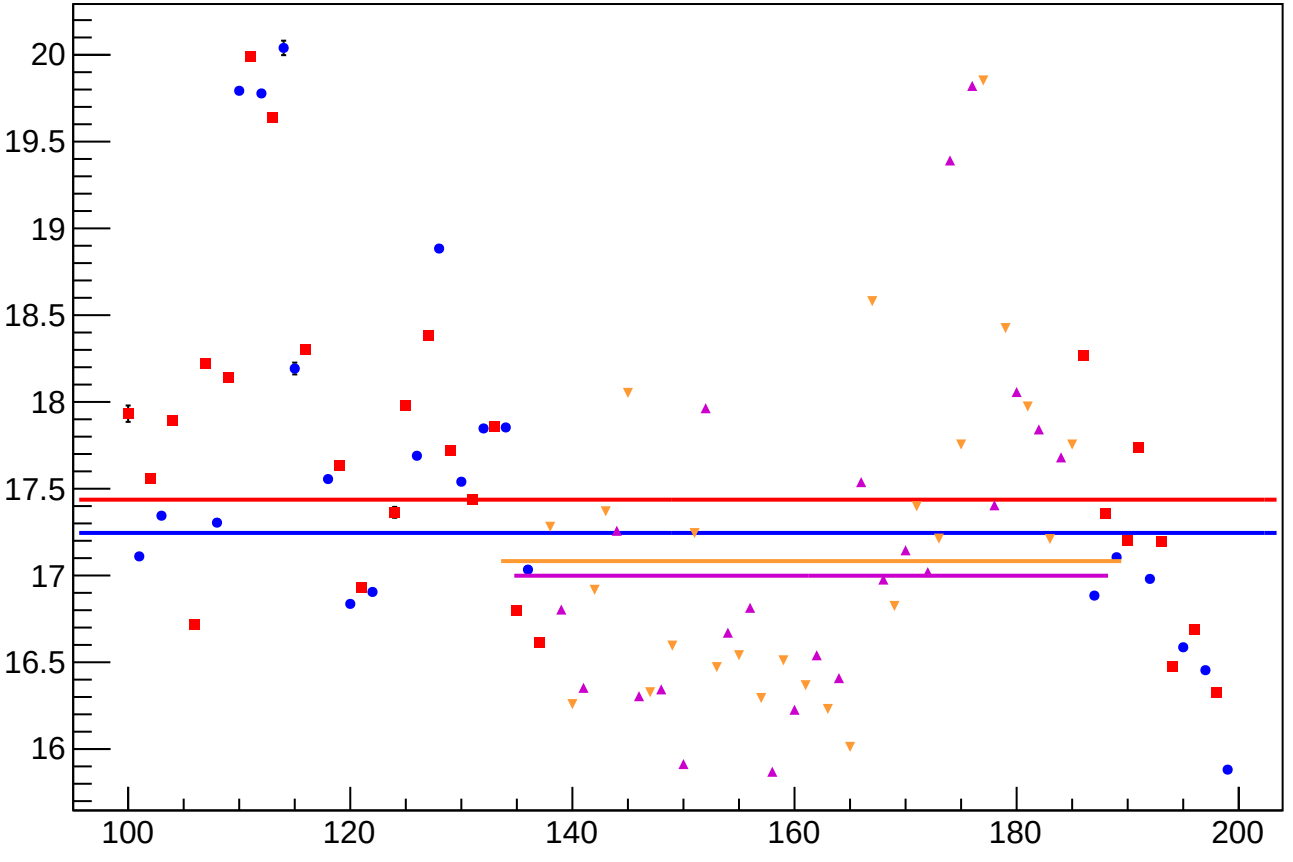
Right: 0.367+/-3.520 χ^2/NDF: 43.0/48

In: 0.704+/-3.135 χ^2/NDF:44.0/44

Out: 5.574+/-3.041 χ^2/NDF:42.2/51

All: 3.213+/-2.183 χ^2/NDF: 87.4/96

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 17.245+/-0.004 χ^2/NDF: 66546.6/21

Left Out: 17.083+/-0.003 χ^2/NDF:96774.9/24

Right Out: 17.437+/-0.003 χ^2/NDF: 59204.9/26

Left In: 16.999+/-0.003 χ^2/NDF:104021.0/22

Left: 17.042+/-0.002 χ^2/NDF: 201253.4/47

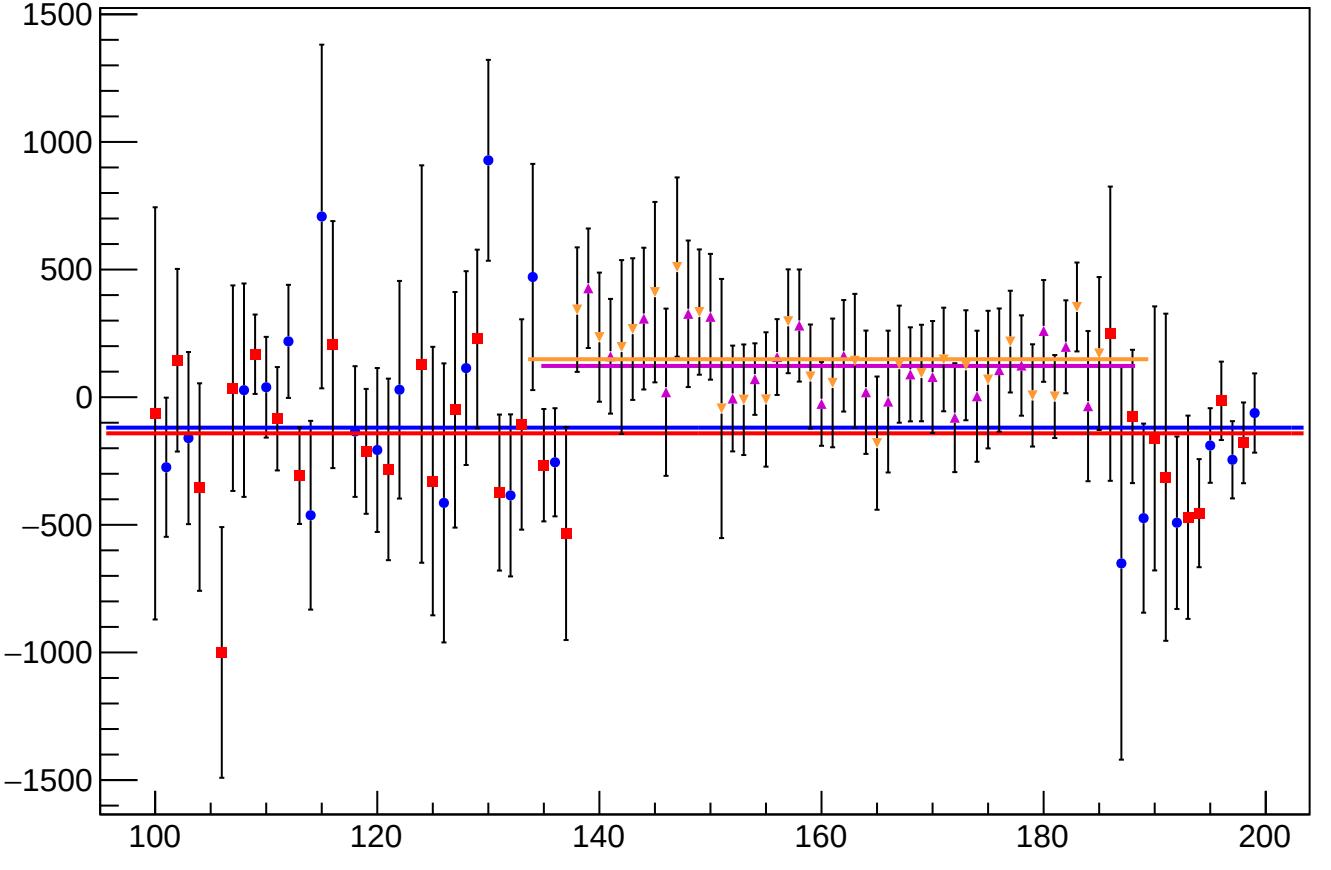
Right: 17.345+/-0.002 χ^2/NDF: 127230.8/48

In: 17.092+/-0.002 χ^2/NDF:173481.8/44

Out: 17.221+/-0.002 χ^2/NDF:162422.7/51

All: 17.158+/-0.002 χ^2/NDF: 337629.7/96

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs Slug, Sign Corrected



Right In: -119.321+/-56.096 χ^2/NDF: 20.3/21

Left Out: 148.758+/-46.714 χ^2/NDF:9.5/24

Right Out: -141.554+/-53.900 χ^2/NDF: 17.1/26

Left In: 122.376+/-44.081 χ^2/NDF:7.9/22

Left: 134.803+/-32.060 χ^2/NDF: 17.6/47

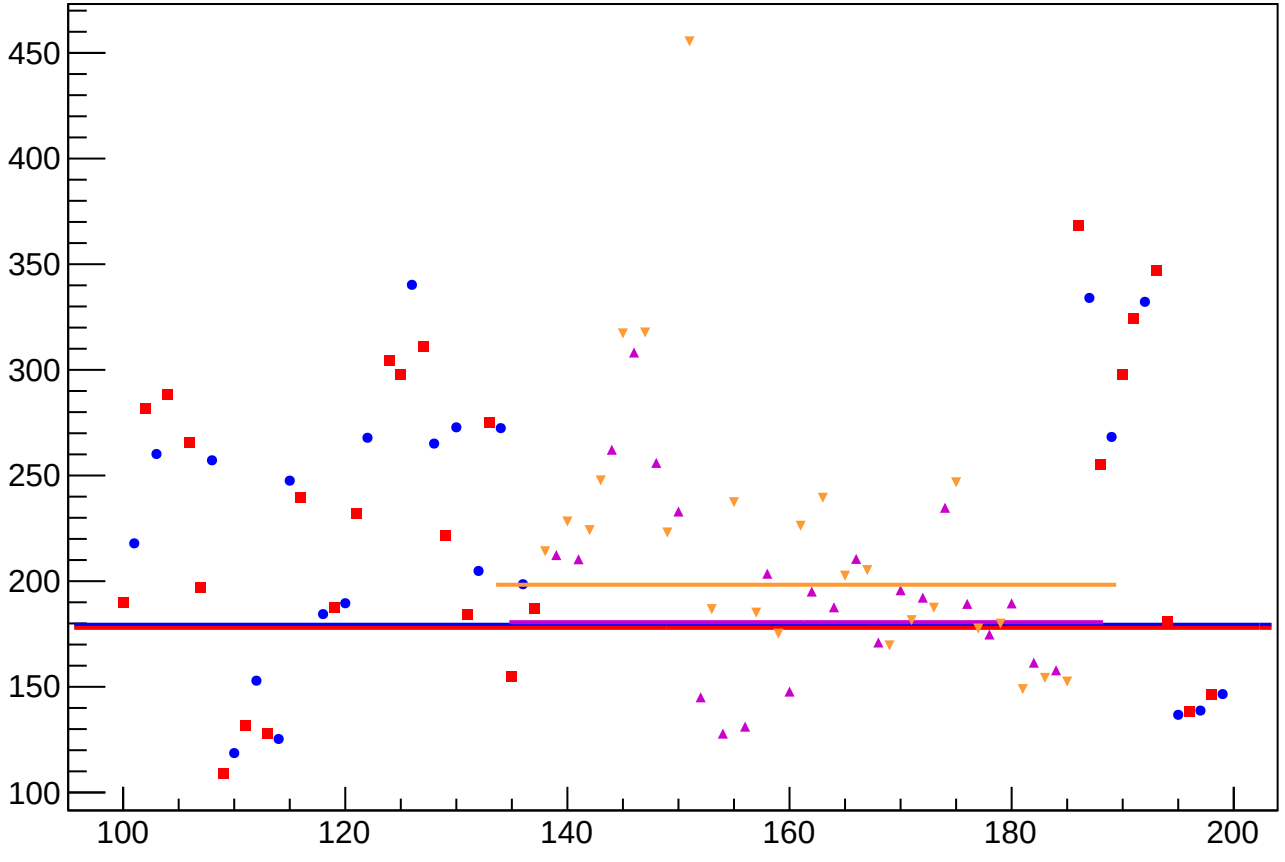
Right: -130.881+/-38.866 χ^2/NDF: 37.5/48

In: 30.106+/-34.660 χ^2/NDF:39.7/44

Out: 24.231+/-35.301 χ^2/NDF:43.3/51

All: 27.222+/-24.732 χ^2/NDF: 82.9/96

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 179.384+/-0.040 χ^2/NDF: 2108679.6/21

Left Out: 198.313+/-0.033 χ^2/NDF:1790279.4/24

Right Out: 177.904+/-0.038 χ^2/NDF: 2773487.9/26

Left In: 180.601+/-0.031 χ^2/NDF:1628072.3/22

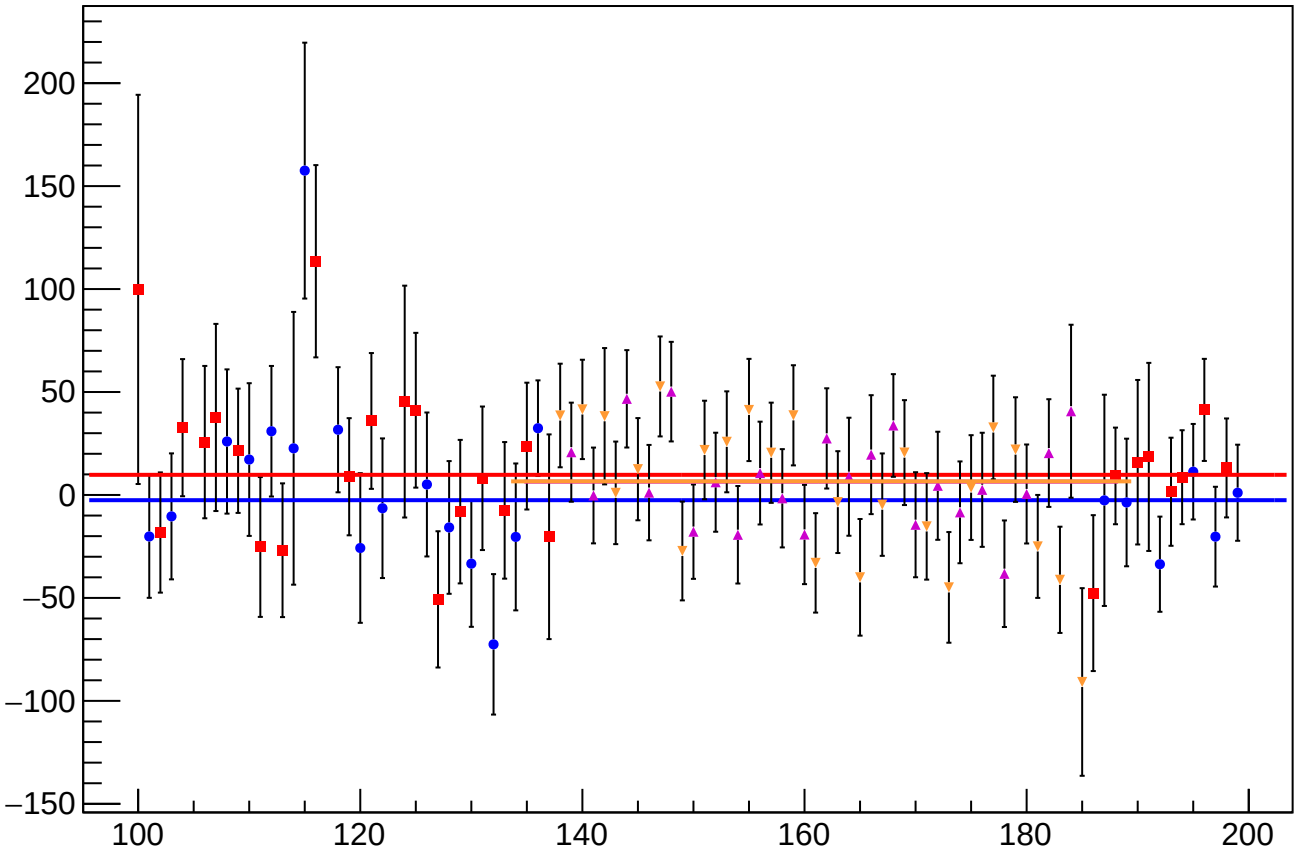
Left: 188.944+/-0.023 χ^2/NDF: 3570441.0/47

Right: 178.614+/-0.027 χ^2/NDF: 4882891.0/48

In: 180.136+/-0.025 χ^2/NDF:3737334.7/44

Out: 189.559+/-0.025 χ^2/NDF:4727522.9/51

All: 184.761+/-0.017 χ^2/NDF: 8537405.8/96



Right In: -2.535+/-6.599 χ^2/NDF: 21.6/21

Left Out: 6.611+/-5.117 χ^2/NDF:36.9/24

Right Out: 9.779+/-6.295 χ^2/NDF: 20.6/26

Left In: 6.482+/-5.247 χ^2/NDF:17.4/22

Left: 6.548+/-3.663 χ^2/NDF: 54.3/47

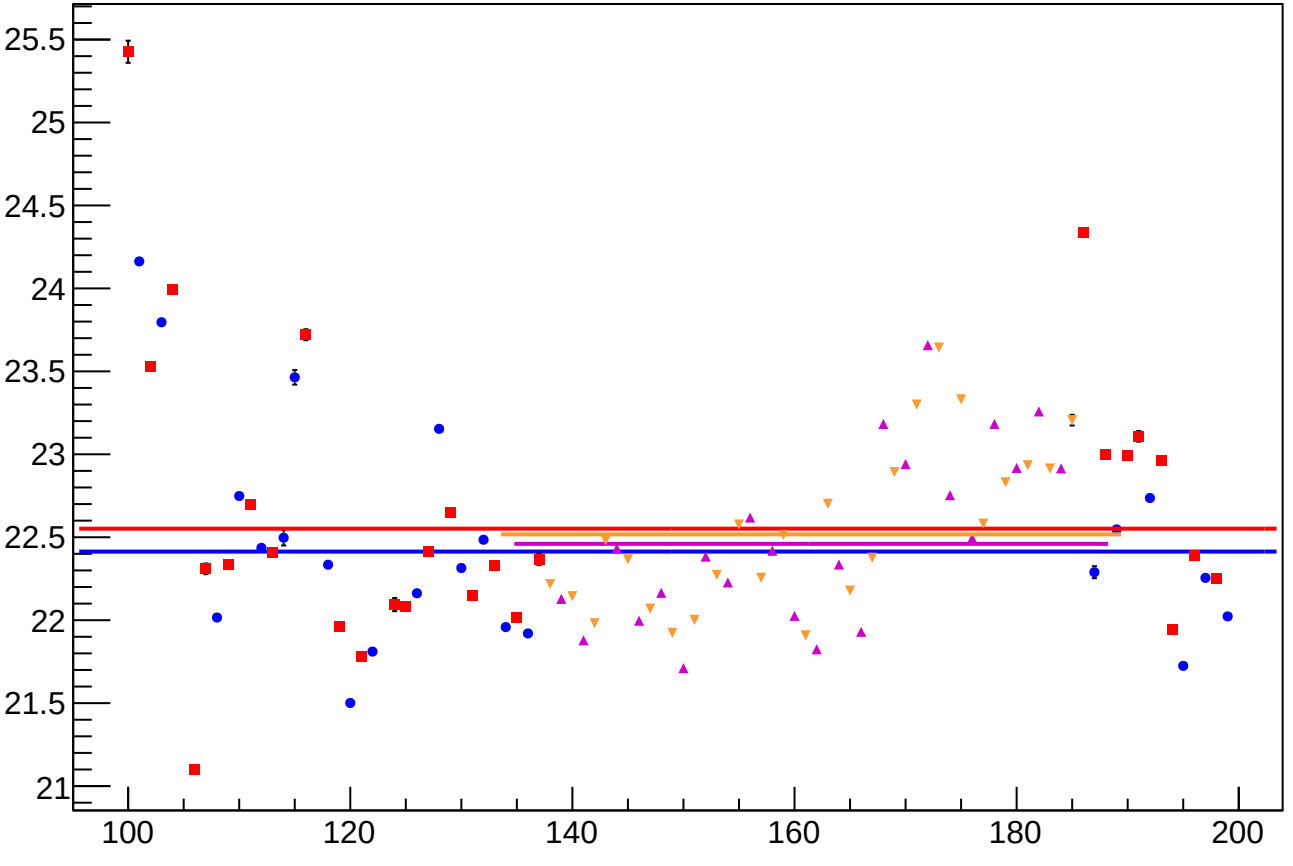
Right: 3.912+/-4.555 χ^2/NDF: 44.0/48

In: 2.990+/-4.107 χ^2/NDF:40.2/44

Out: 7.872+/-3.971 χ^2/NDF:57.6/51

All: 5.513+/-2.855 χ^2/NDF: 98.6/96

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 22.414+/-0.005 χ^2/NDF: 19142.0/21

Left Out: 22.517+/-0.004 χ^2/NDF:16002.5/24

Right Out: 22.552+/-0.004 χ^2/NDF: 23860.7/26

Left In: 22.460+/-0.004 χ^2/NDF:19117.2/22

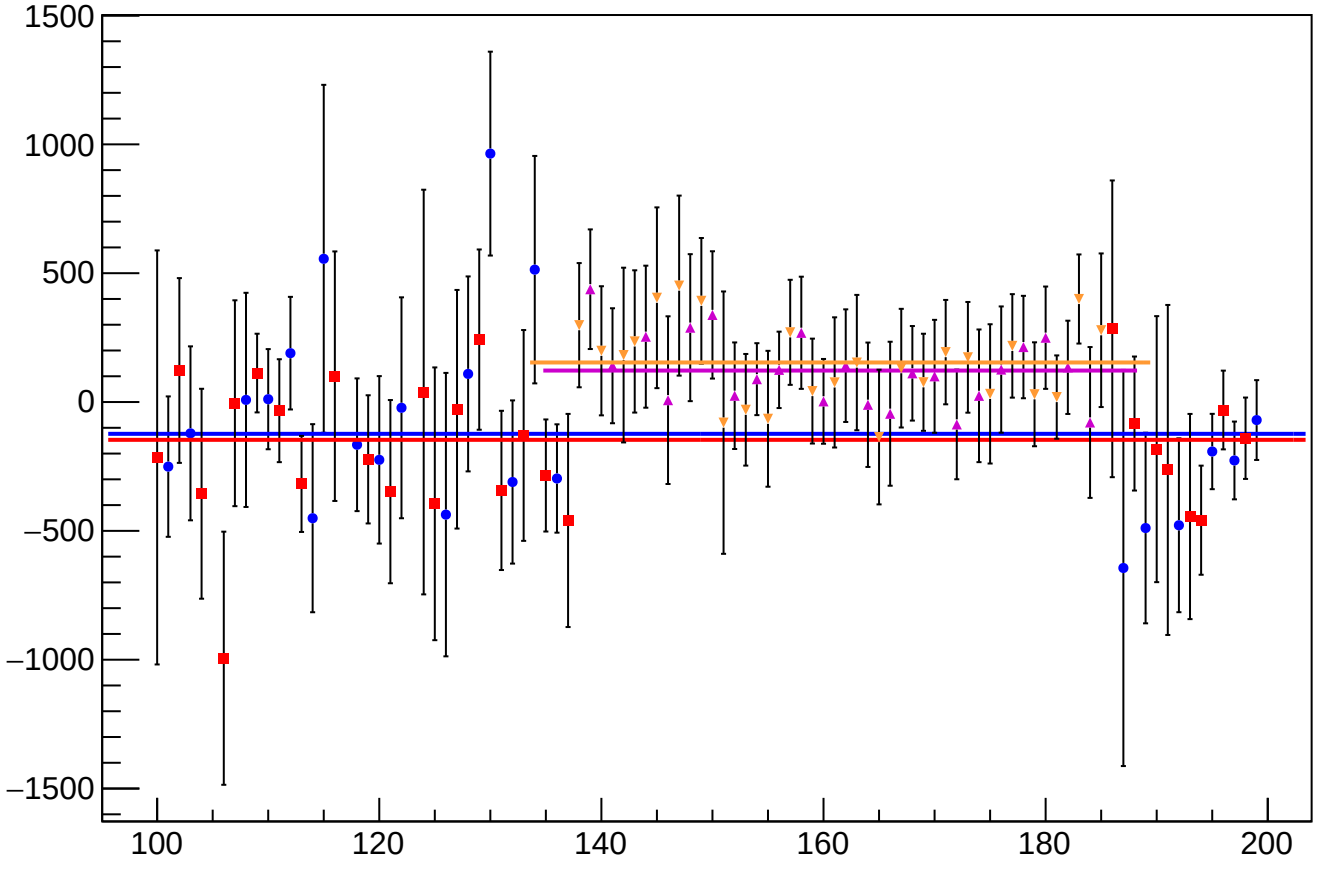
Left: 22.490+/-0.003 χ^2/NDF: 35241.4/47

Right: 22.486+/-0.003 χ^2/NDF: 43462.1/48

In: 22.442+/-0.003 χ^2/NDF:38320.4/44

Out: 22.531+/-0.003 χ^2/NDF:39899.1/51

All: 22.488+/-0.002 χ^2/NDF: 78704.2/96



Right In: -123.398+/-55.925 χ^2/NDF: 19.6/21

Left Out: 153.507+/-46.636 χ^2/NDF:10.1/24

Right Out: -146.707+/-53.612 χ^2/NDF: 15.6/26

Left In: 122.165+/-44.006 χ^2/NDF:7.5/22

Left: 136.928+/-32.006 χ^2/NDF: 17.8/47

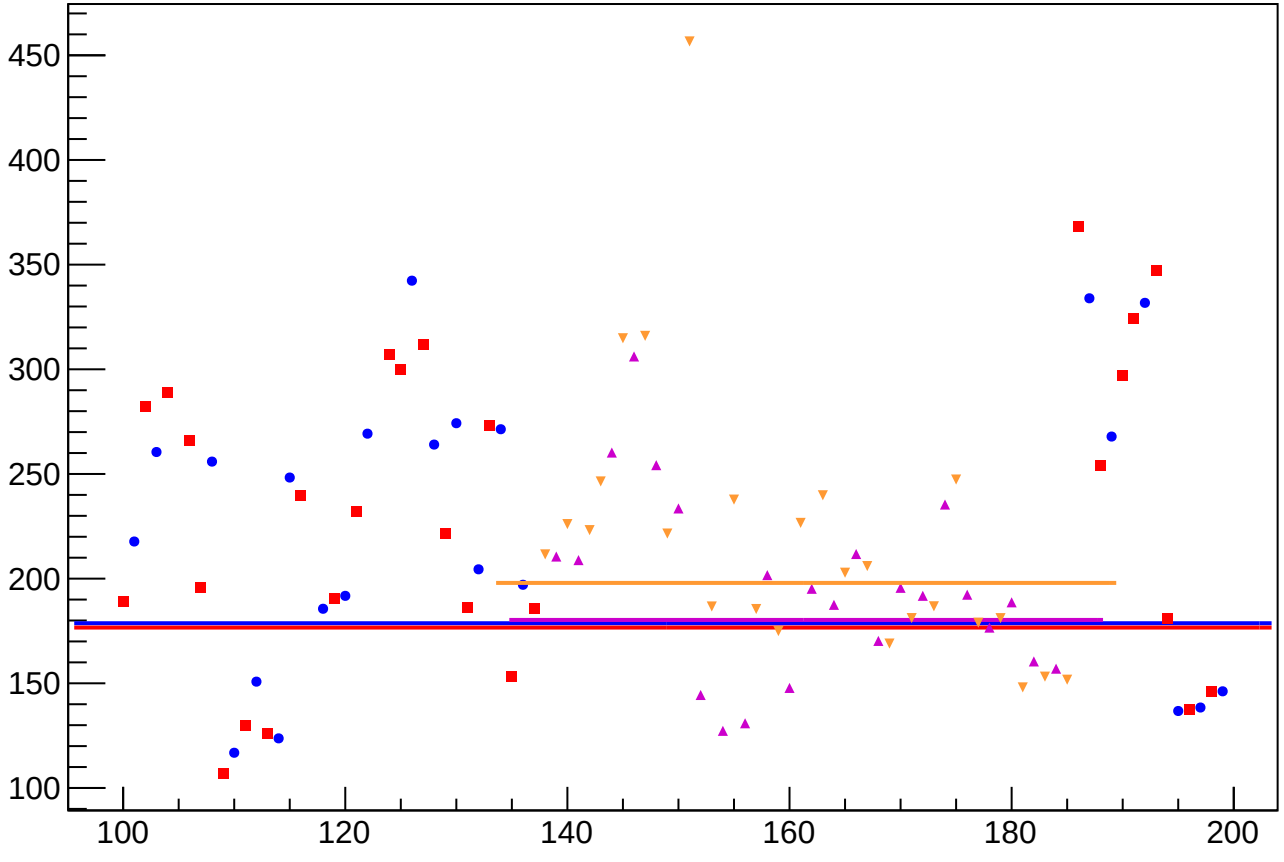
Right: -135.544+/-38.701 χ^2/NDF: 35.2/48

In: 28.261+/-34.583 χ^2/NDF:38.9/44

Out: 24.192+/-35.186 χ^2/NDF:43.5/51

All: 26.262+/-24.665 χ^2/NDF: 82.4/96

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 178.692+/-0.040 χ^2/NDF: 2140053.2/21

Left Out: 197.957+/-0.033 χ^2/NDF:1791354.6/24

Right Out: 176.628+/-0.038 χ^2/NDF: 2852746.1/26

Left In: 180.274+/-0.031 χ^2/NDF:1624682.7/22

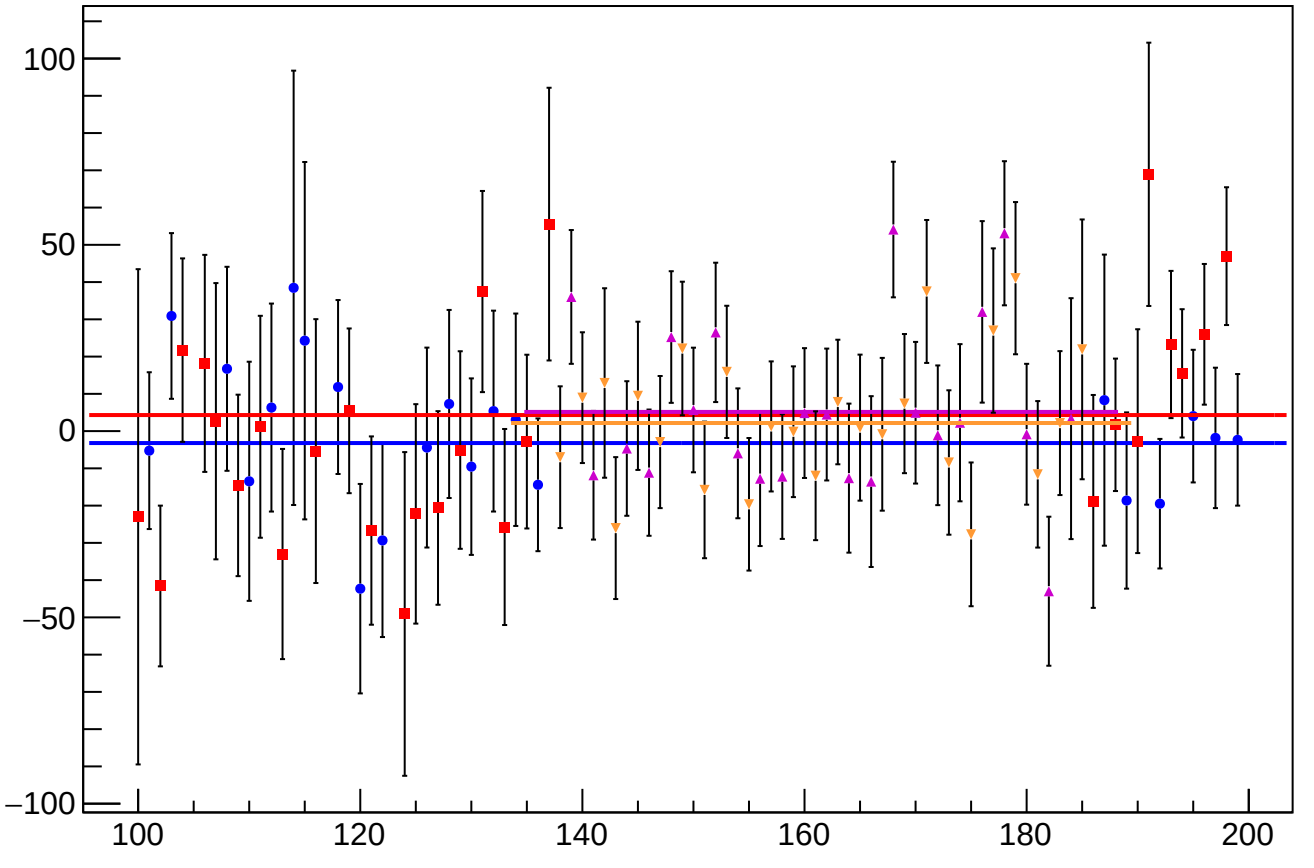
Left: 188.603+/-0.023 χ^2/NDF: 3568141.6/47

Right: 177.617+/-0.027 χ^2/NDF: 4994218.8/48

In: 179.669+/-0.024 χ^2/NDF:3765724.3/44

Out: 188.770+/-0.025 χ^2/NDF:4824295.3/51

All: 184.141+/-0.017 χ^2/NDF: 8658070.9/96



Right In: -3.206+/-5.089 χ^2/NDF: 9.7/21

Left Out: 2.174+/-3.825 χ^2/NDF:20.0/24

Right Out: 4.309+/-4.859 χ^2/NDF: 29.7/26

Left In: 5.150+/-3.924 χ^2/NDF:32.3/22

Left: 3.624+/-2.739 χ^2/NDF: 52.5/47

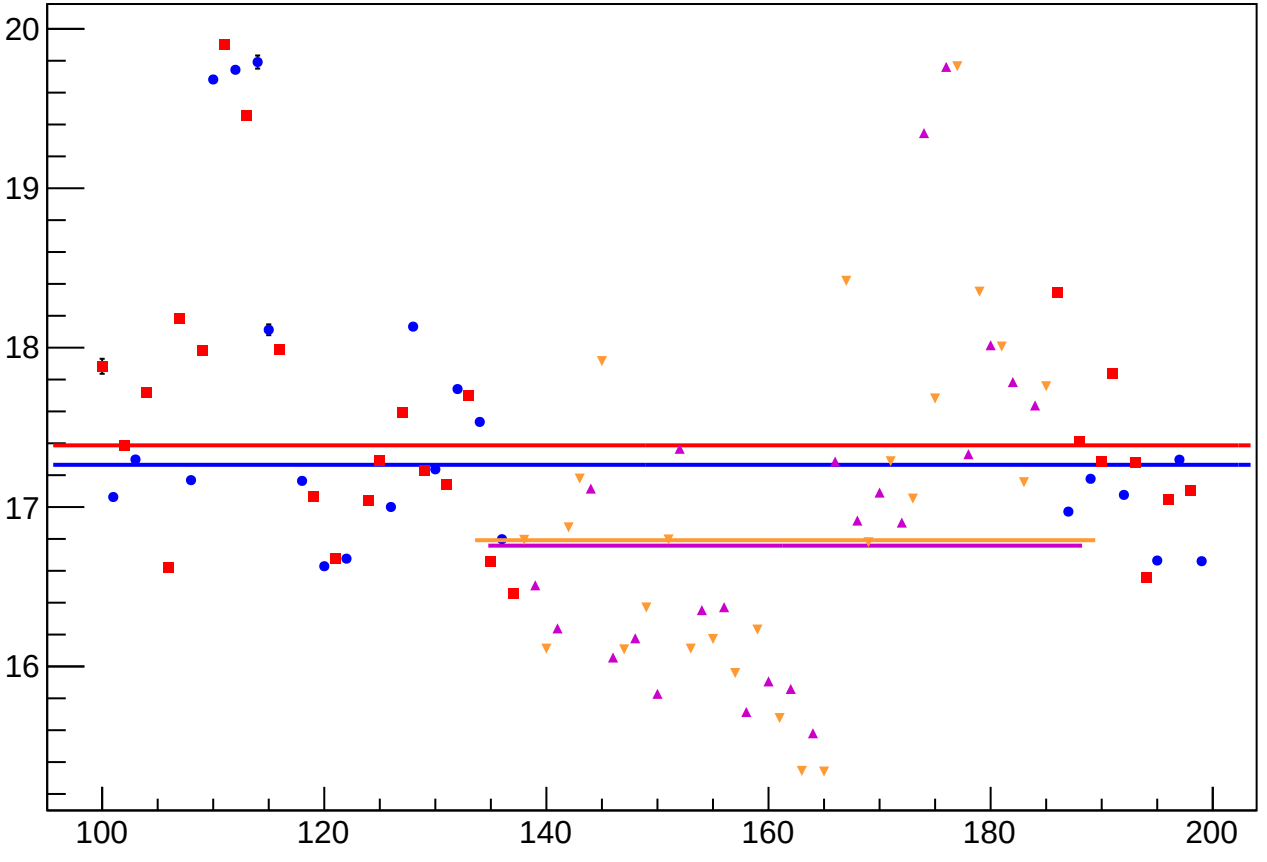
Right: 0.726+/-3.514 χ^2/NDF: 40.5/48

In: 2.035+/-3.108 χ^2/NDF:43.6/44

Out: 2.991+/-3.005 χ^2/NDF:49.7/51

All: 2.529+/-2.160 χ^2/NDF: 93.4/96

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 17.265+/-0.004 χ^2/NDF: 43530.3/21

Left Out: 16.792+/-0.003 χ^2/NDF:137000.5/24

Right Out: 17.387+/-0.003 χ^2/NDF: 44065.9/26

Left In: 16.758+/-0.003 χ^2/NDF:123306.8/22

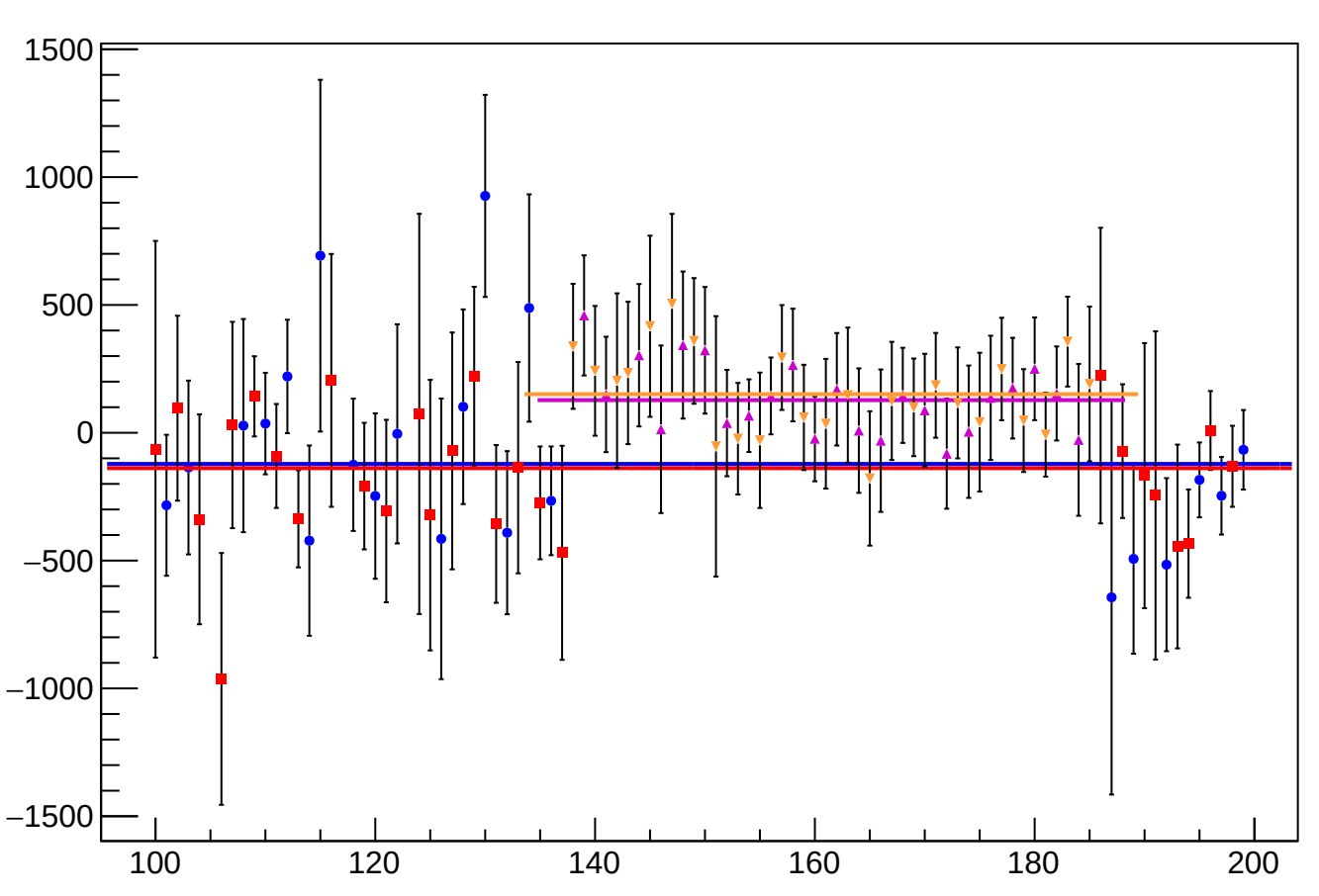
Left: 16.775+/-0.002 χ^2/NDF: 260385.1/47

Right: 17.329+/-0.002 χ^2/NDF: 88198.5/48

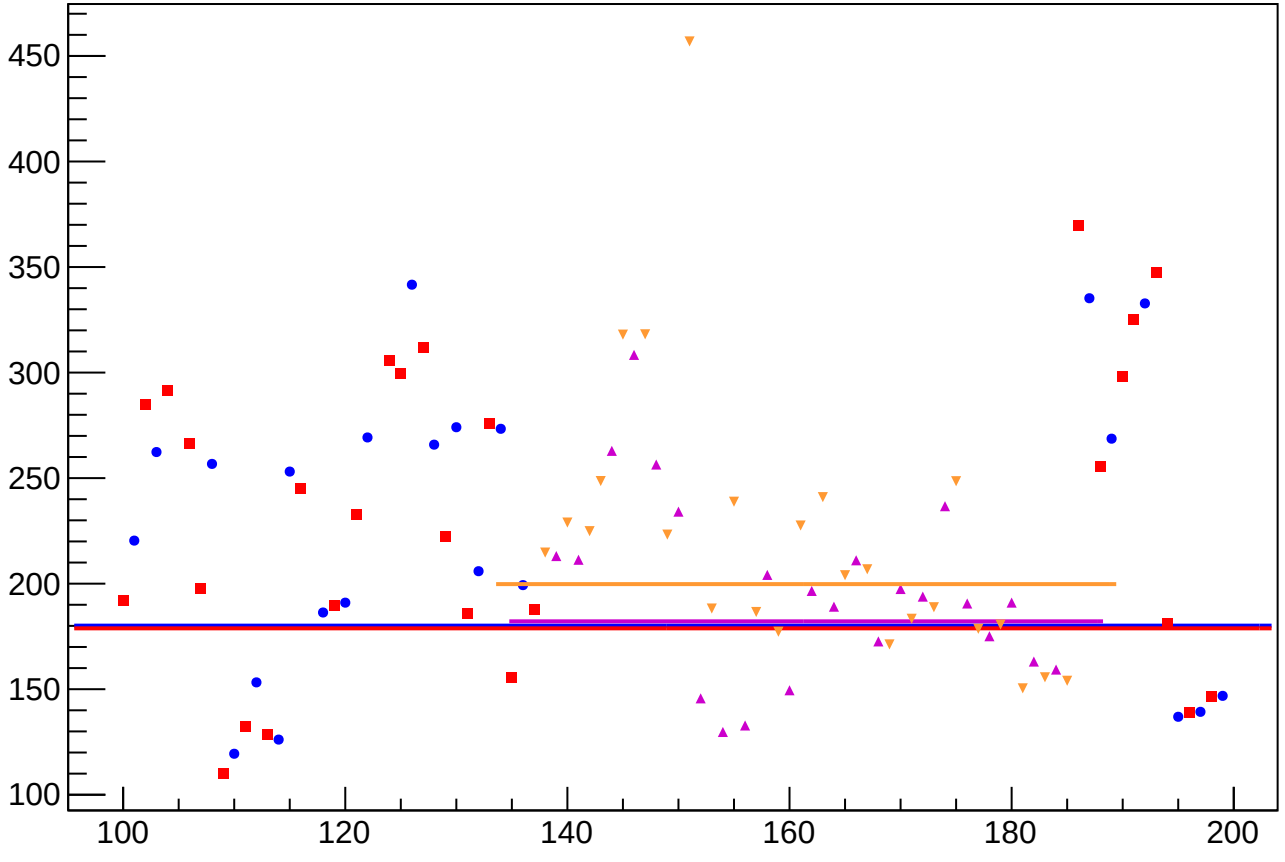
In: 16.947+/-0.002 χ^2/NDF:179294.5/44

Out: 17.020+/-0.002 χ^2/NDF:199590.9/51

All: 16.985+/-0.002 χ^2/NDF: 379452.2/96


asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs Slug, Sign Corrected
1500
1000
500
0
−500
−1000
−1500
100
120
140
160
180
200
Right In: -121.908+/-56.327 χ²/NDF: 20.3/21
Left Out: 150.884+/-47.035 χ²/NDF:10.0/24
Right Out: -138.383+/-54.164 χ²/NDF: 15.5/26
Left In: 127.710+/-44.426 χ²/NDF:7.8/22
Left: 138.637+/-32.297 χ²/NDF: 17.9/47
Right: -130.468+/-39.042 χ²/NDF: 35.8/48
In: 31.979+/-34.882 χ²/NDF:40.2/44
Out: 26.527+/-35.514 χ²/NDF:41.7/51
All: 29.302+/-24.886 χ²/NDF: 81.9/96

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 180.109+/-0.040 χ^2/NDF: 2115133.5/21

Left Out: 199.785+/-0.033 χ^2/NDF:1760326.2/24

Right Out: 178.829+/-0.038 χ^2/NDF: 2770285.7/26

Left In: 182.150+/-0.031 χ^2/NDF:1584358.1/22

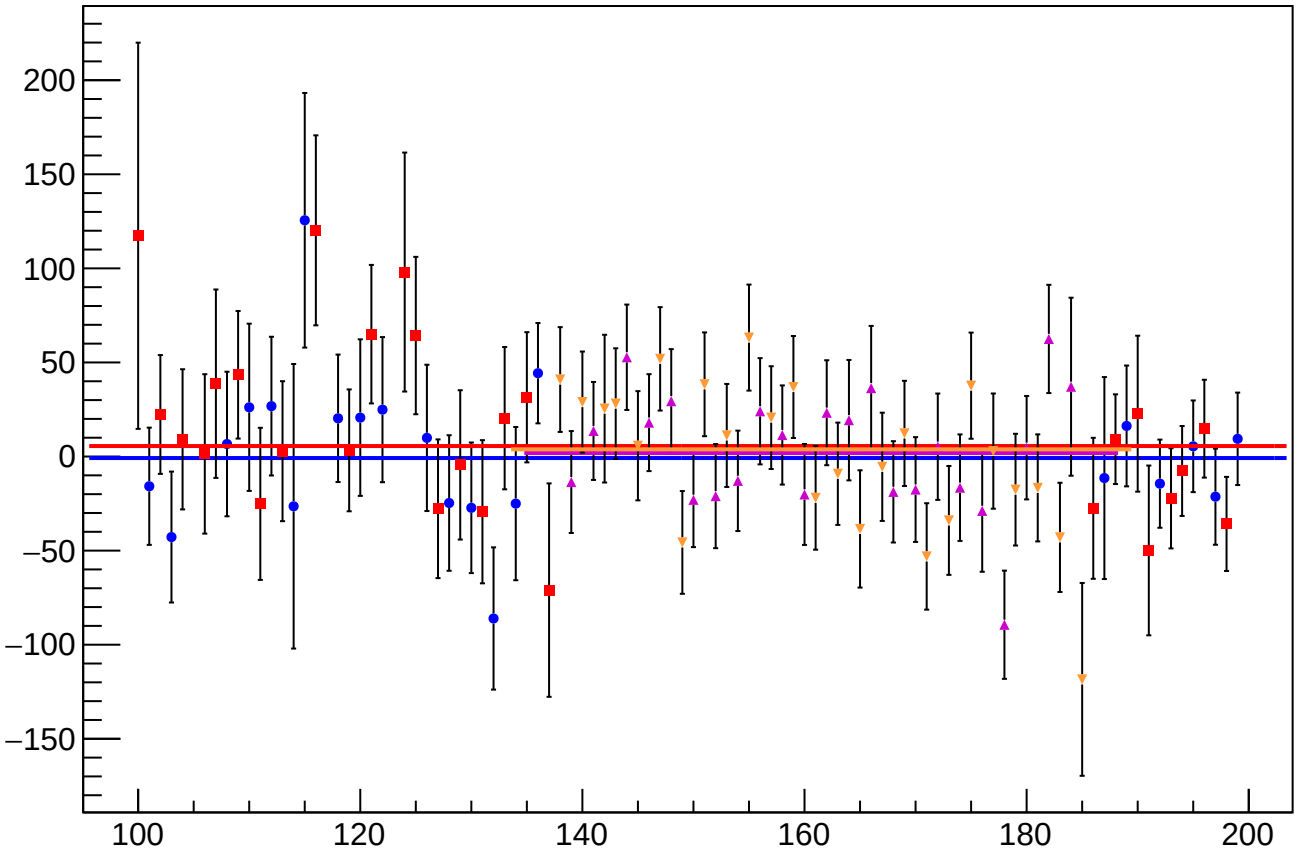
Left: 190.465+/-0.023 χ^2/NDF: 3493266.0/47

Right: 179.444+/-0.028 χ^2/NDF: 4885955.5/48

In: 181.367+/-0.025 χ^2/NDF:3701111.5/44

Out: 190.776+/-0.025 χ^2/NDF:4701287.8/51

All: 185.987+/-0.018 χ^2/NDF: 8473845.6/96



Right In: -0.803+/-7.202 χ^2/NDF: 18.3/21

Left Out: 3.831+/-5.789 χ^2/NDF:37.6/24

Right Out: 5.576+/-6.807 χ^2/NDF: 26.6/26

Left In: 1.850+/-5.893 χ^2/NDF:28.1/22

Left: 2.858+/-4.130 χ^2/NDF: 65.7/47

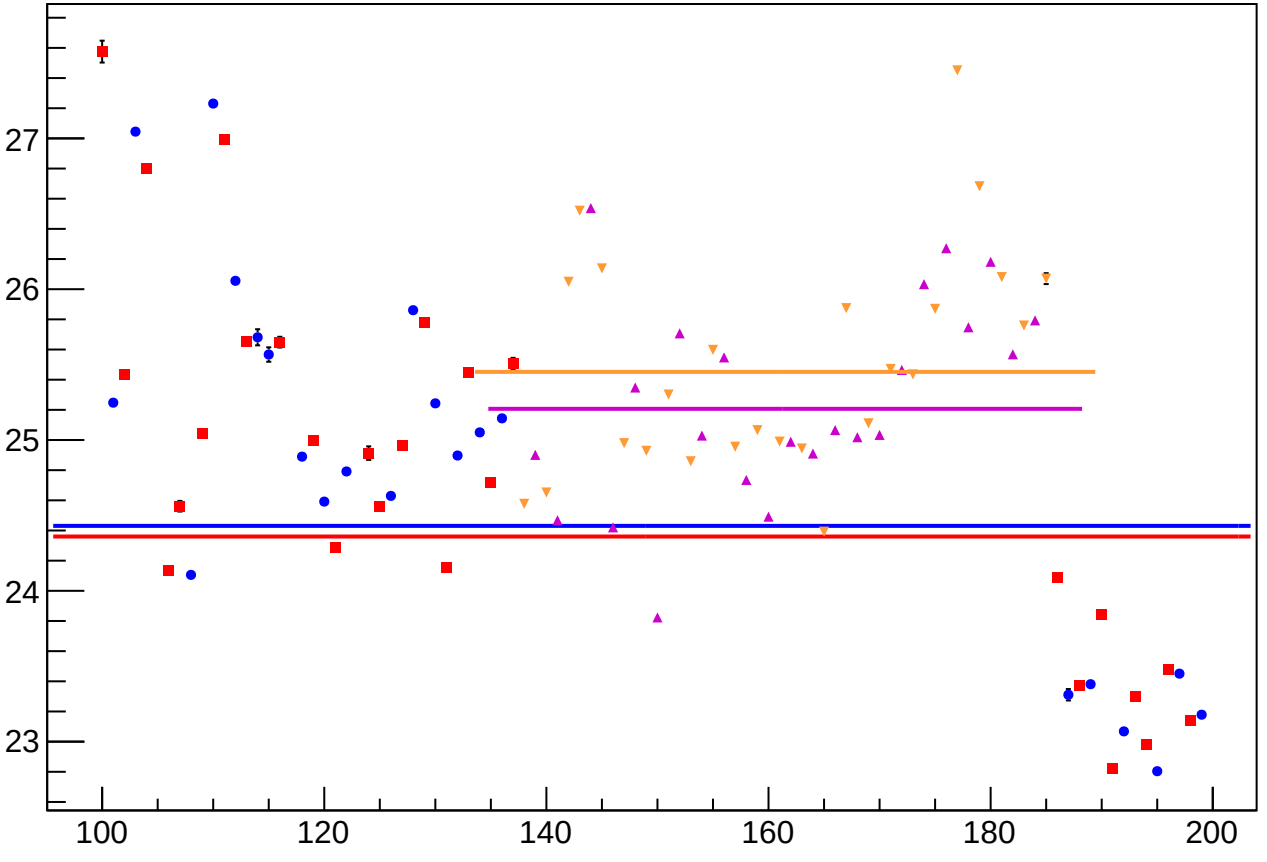
Right: 2.566+/-4.947 χ^2/NDF: 45.3/48

In: 0.786+/-4.561 χ^2/NDF:46.5/44

Out: 4.563+/-4.410 χ^2/NDF:64.3/51

All: 2.738+/-3.170 χ^2/NDF: 111.1/96

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 24.431+/-0.005 χ^2/NDF: 59659.5/21

Left Out: 25.452+/-0.004 χ^2/NDF:29612.4/24

Right Out: 24.360+/-0.005 χ^2/NDF: 55851.8/26

Left In: 25.207+/-0.004 χ^2/NDF:25827.4/22

Left: 25.332+/-0.003 χ^2/NDF: 57199.0/47

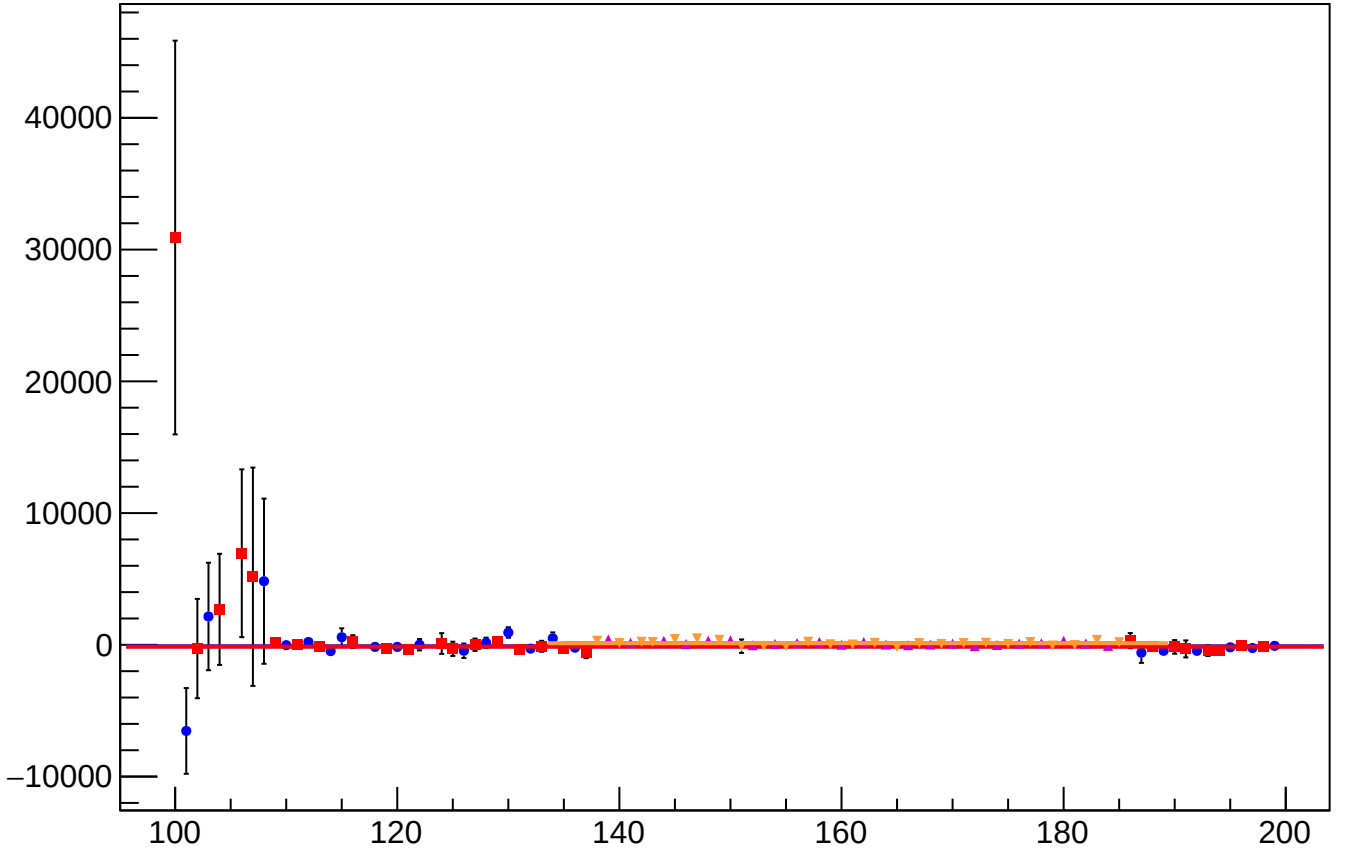
Right: 24.393+/-0.003 χ^2/NDF: 115612.9/48

In: 24.896+/-0.003 χ^2/NDF:99398.6/44

Out: 24.994+/-0.003 χ^2/NDF:115318.3/51

All: 24.946+/-0.002 χ^2/NDF: 215195.0/96

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs Slug, Sign Corrected



Right In: -112.253+/-59.775 χ^2/NDF: 22.8/21

Left Out: 125.161+/-46.925 χ^2/NDF:11.1/24

Right Out: -138.955+/-58.602 χ^2/NDF: 17.8/26

Left In: 117.291+/-44.871 χ^2/NDF:8.0/22

Left: 121.050+/-32.431 χ^2/NDF: 19.1/47

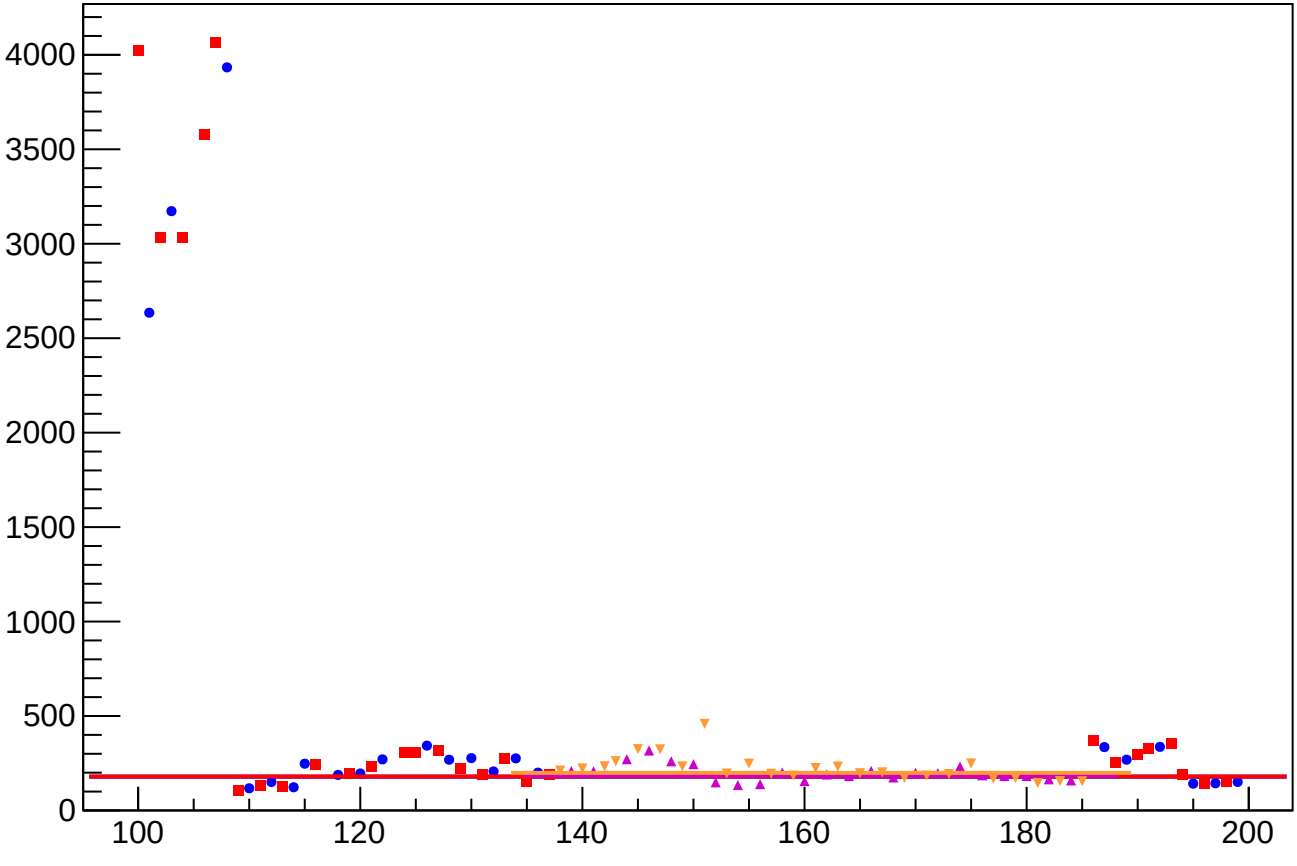
Right: -125.869+/-41.847 χ^2/NDF: 40.7/48

In: 34.561+/-35.886 χ^2/NDF:40.2/44

Out: 21.974+/-36.629 χ^2/NDF:41.3/51

All: 28.397+/-25.634 χ^2/NDF: 81.6/96

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 178.719+/-0.042 χ^2/NDF: 4769094.9/21

Left Out: 198.994+/-0.033 χ^2/NDF:1902155.1/24

Right Out: 179.904+/-0.041 χ^2/NDF: 5439376.3/26

Left In: 184.399+/-0.032 χ^2/NDF:1446306.0/22

Left: 191.370+/-0.023 χ^2/NDF: 3449526.4/47

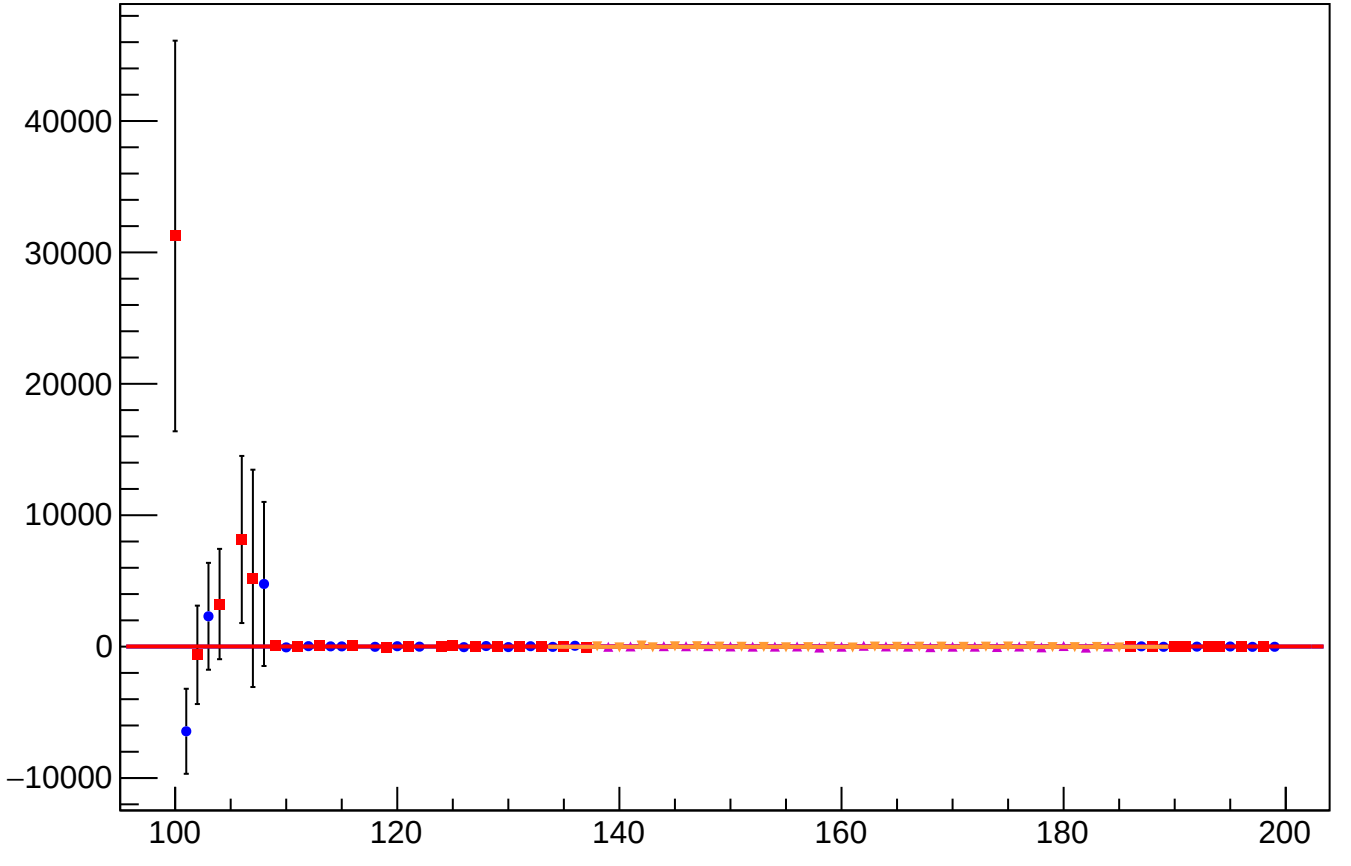
Right: 179.323+/-0.030 χ^2/NDF: 10208871.9/48

In: 182.352+/-0.025 χ^2/NDF:6226951.4/44

Out: 191.536+/-0.026 χ^2/NDF:7470850.9/51

All: 186.849+/-0.018 χ^2/NDF: 13761956.1/96

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 3.595+/-8.749 χ^2/NDF: 17.2/21

Left Out: -14.827+/-6.512 χ^2/NDF:22.2/24

Right Out: 12.976+/-8.440 χ^2/NDF: 28.3/26

Left In: 2.172+/-6.703 χ^2/NDF:28.3/22

Left: -6.574+/-4.671 χ^2/NDF: 53.9/47

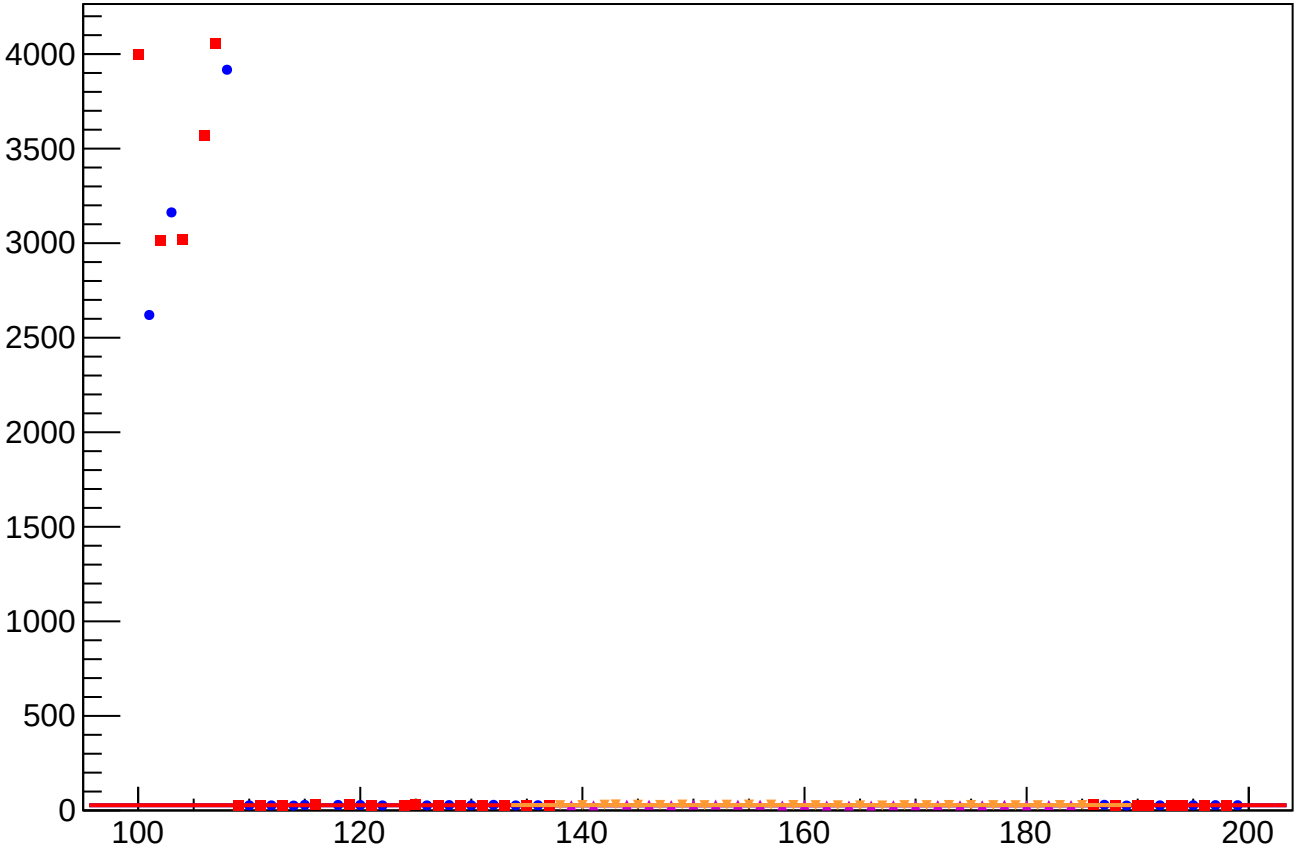
Right: 8.454+/-6.074 χ^2/NDF: 46.1/48

In: 2.698+/-5.321 χ^2/NDF:45.5/44

Out: -4.453+/-5.156 χ^2/NDF:57.4/51

All: -0.990+/-3.703 χ^2/NDF: 103.8/96

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 27.510+/-0.006 χ^2/NDF: 3273531.5/21

Left Out: 28.586+/-0.005 χ^2/NDF:88130.9/24

Right Out: 27.637+/-0.006 χ^2/NDF: 3581589.8/26

Left In: 28.606+/-0.005 χ^2/NDF:122928.2/22

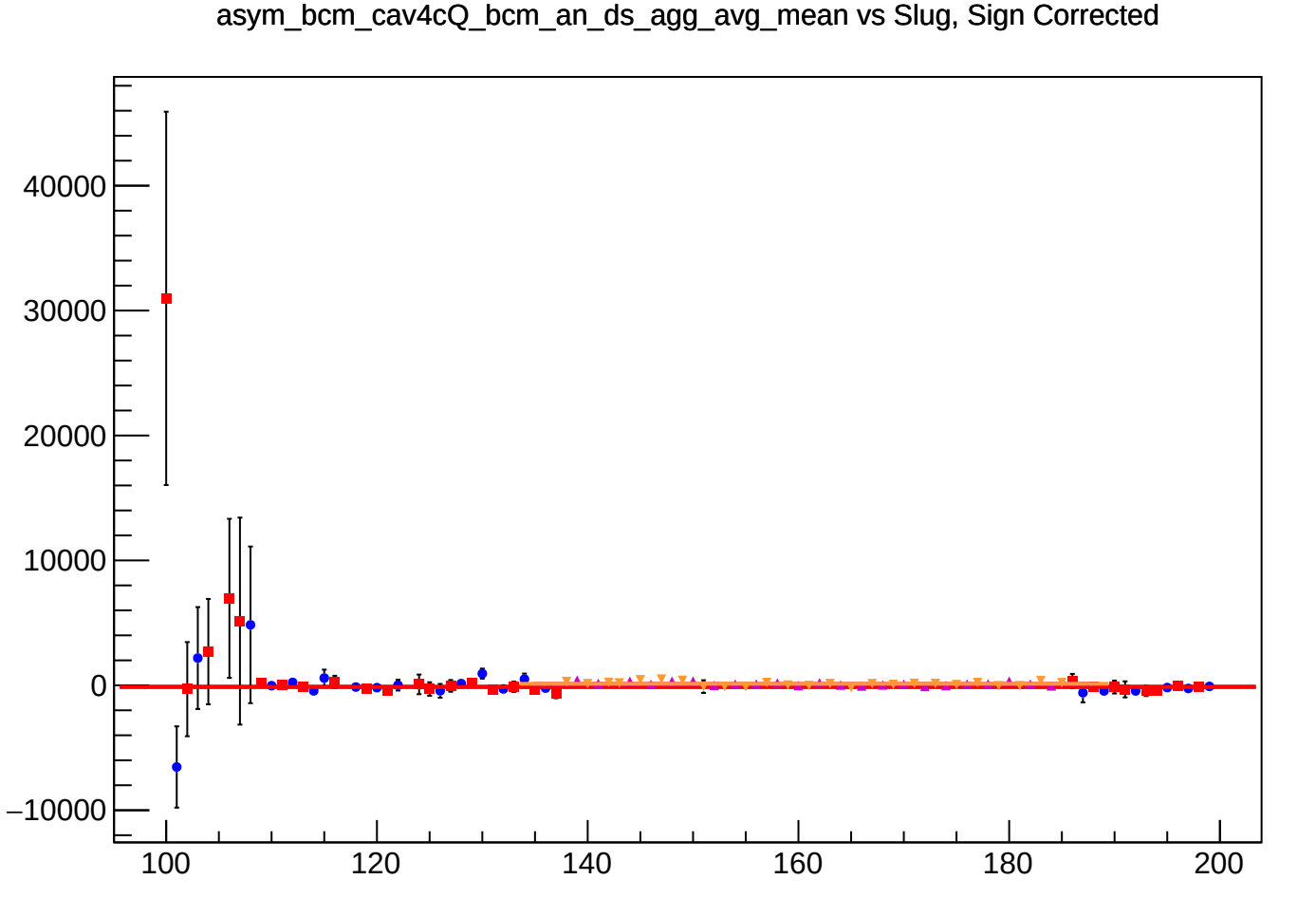
Left: 28.595+/-0.003 χ^2/NDF: 211068.4/47

Right: 27.576+/-0.004 χ^2/NDF: 6855339.6/48

In: 28.201+/-0.004 χ^2/NDF:3416231.5/44

Out: 28.232+/-0.004 χ^2/NDF:3685562.7/51

All: 28.217+/-0.003 χ^2/NDF: 7101829.7/96



Right In: -111.738+/-59.597 χ^2/NDF: 22.9/21

Left Out: 121.915+/-46.825 χ^2/NDF:12.0/24

Right Out: -137.926+/-58.441 χ^2/NDF: 18.1/26

Left In: 116.243+/-44.786 χ^2/NDF:8.4/22

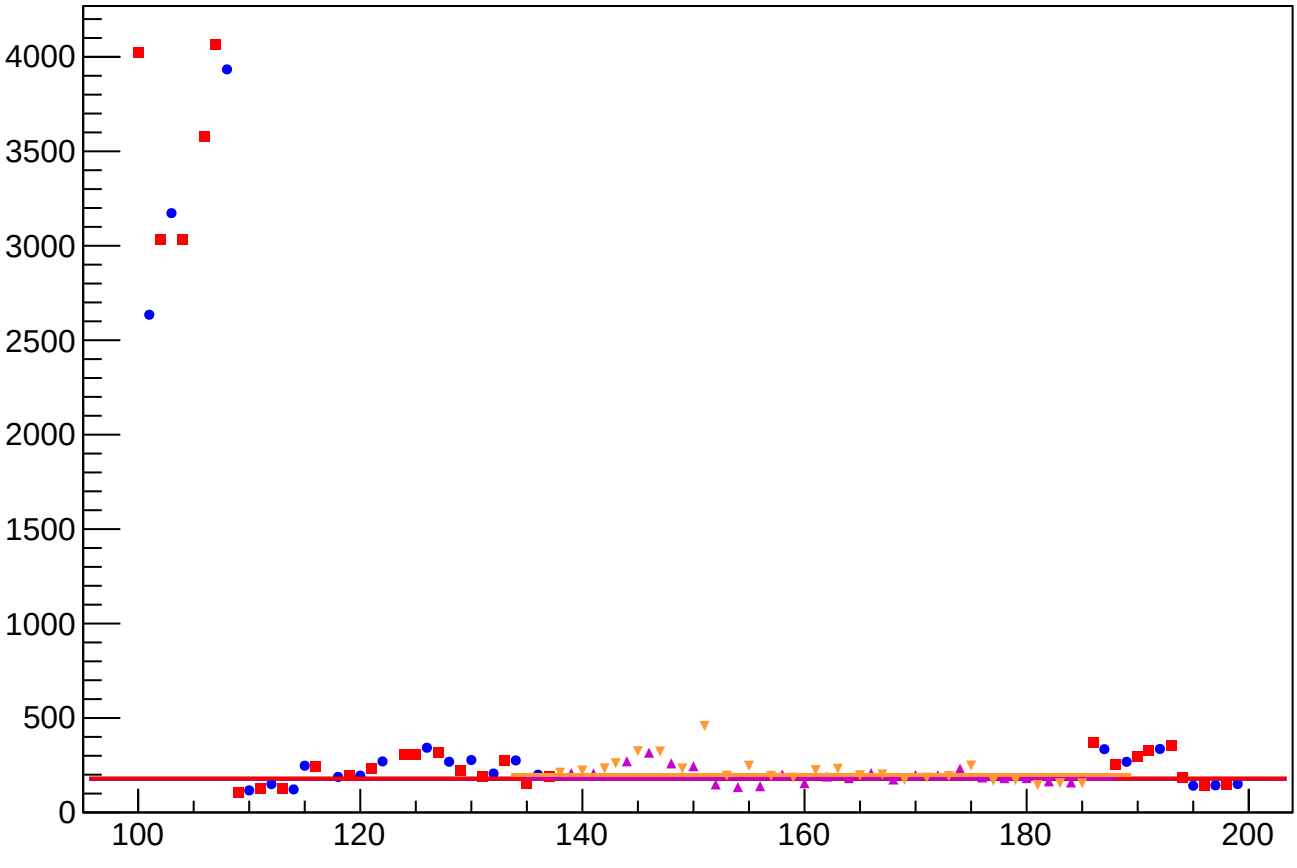
Left: 118.953+/-32.365 χ^2/NDF: 20.4/47

Right: -125.089+/-41.727 χ^2/NDF: 41.1/48

In: 33.962+/-35.803 χ^2/NDF:40.6/44

Out: 20.323+/-36.542 χ^2/NDF:42.1/51

All: 27.282+/-25.574 χ^2/NDF: 82.8/96



Right In: 178.116+/-0.042 χ^2/NDF: 4783371.0/21

Left Out: 198.571+/-0.033 χ^2/NDF:1901504.1/24

Right Out: 179.322+/-0.041 χ^2/NDF: 5458219.9/26

Left In: 184.051+/-0.032 χ^2/NDF:1445426.0/22

Left: 190.988+/-0.023 χ^2/NDF: 3447360.1/47

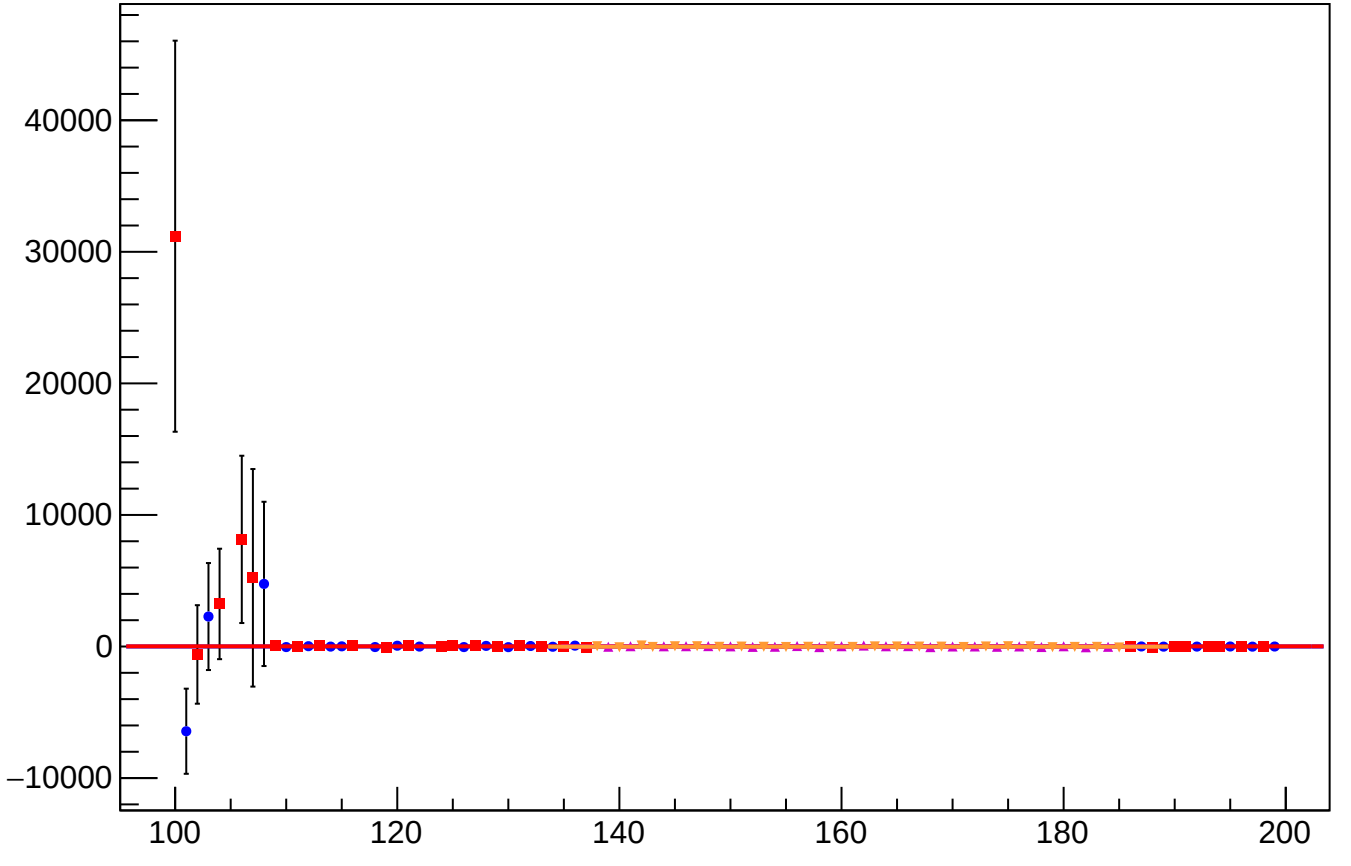
Right: 178.731+/-0.030 χ^2/NDF: 10242009.0/48

In: 181.909+/-0.025 χ^2/NDF:6241474.7/44

Out: 191.045+/-0.026 χ^2/NDF:7491854.9/51

All: 186.384+/-0.018 χ^2/NDF: 13797115.8/96

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 1.573+/-8.754 χ^2/NDF: 18.8/21

Left Out: -11.862+/-6.541 χ^2/NDF:17.9/24

Right Out: 13.781+/-8.453 χ^2/NDF: 27.3/26

Left In: 2.576+/-6.732 χ^2/NDF:22.2/22

Left: -4.851+/-4.691 χ^2/NDF: 42.4/47

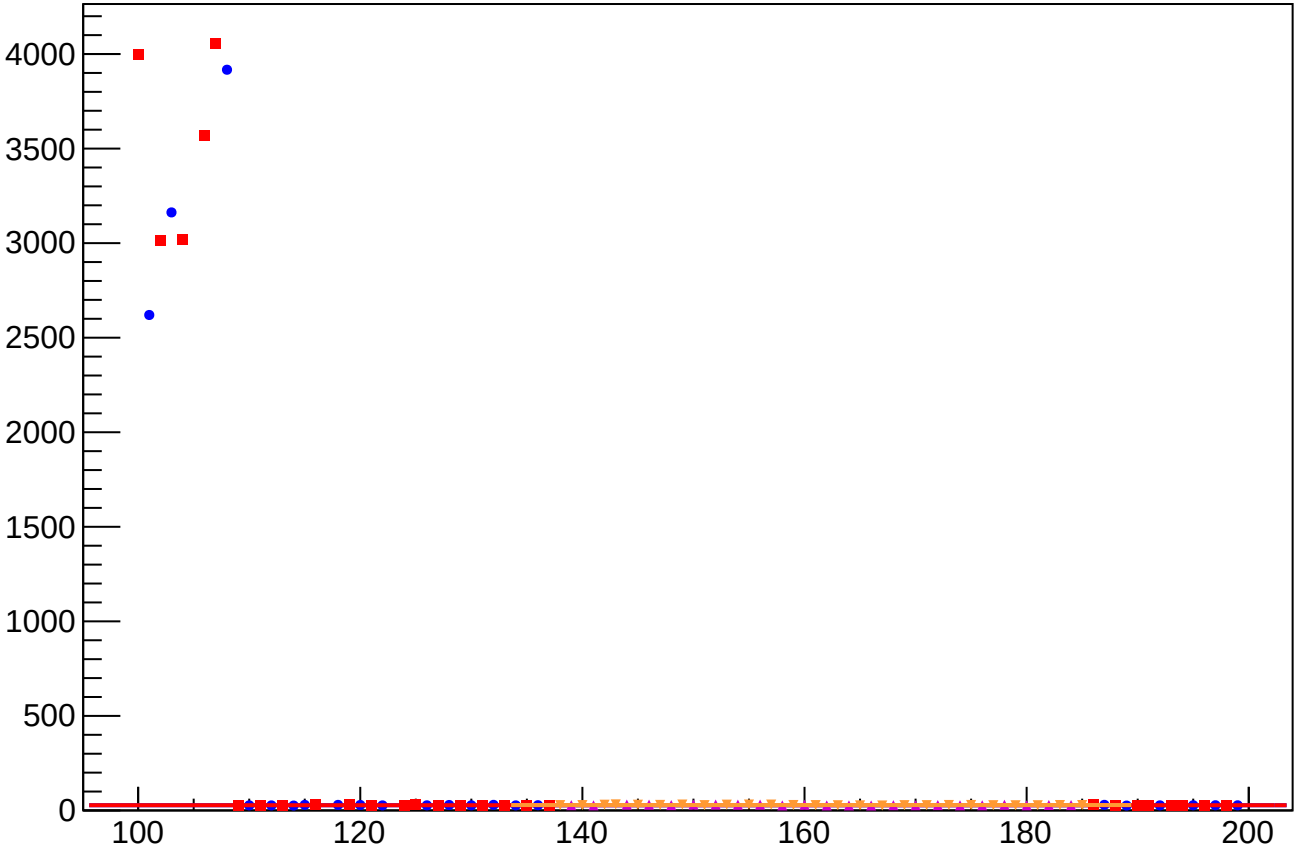
Right: 7.890+/-6.081 χ^2/NDF: 47.1/48

In: 2.203+/-5.337 χ^2/NDF:41.0/44

Out: -2.260+/-5.173 χ^2/NDF:50.9/51

All: -0.098+/-3.714 χ^2/NDF: 92.3/96

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 27.523+/-0.006 χ^2/NDF: 3275025.0/21

Left Out: 28.707+/-0.005 χ^2/NDF:98865.9/24

Right Out: 27.681+/-0.006 χ^2/NDF: 3578077.6/26

Left In: 28.728+/-0.005 χ^2/NDF:127383.0/22

Left: 28.717+/-0.003 χ^2/NDF: 226258.3/47

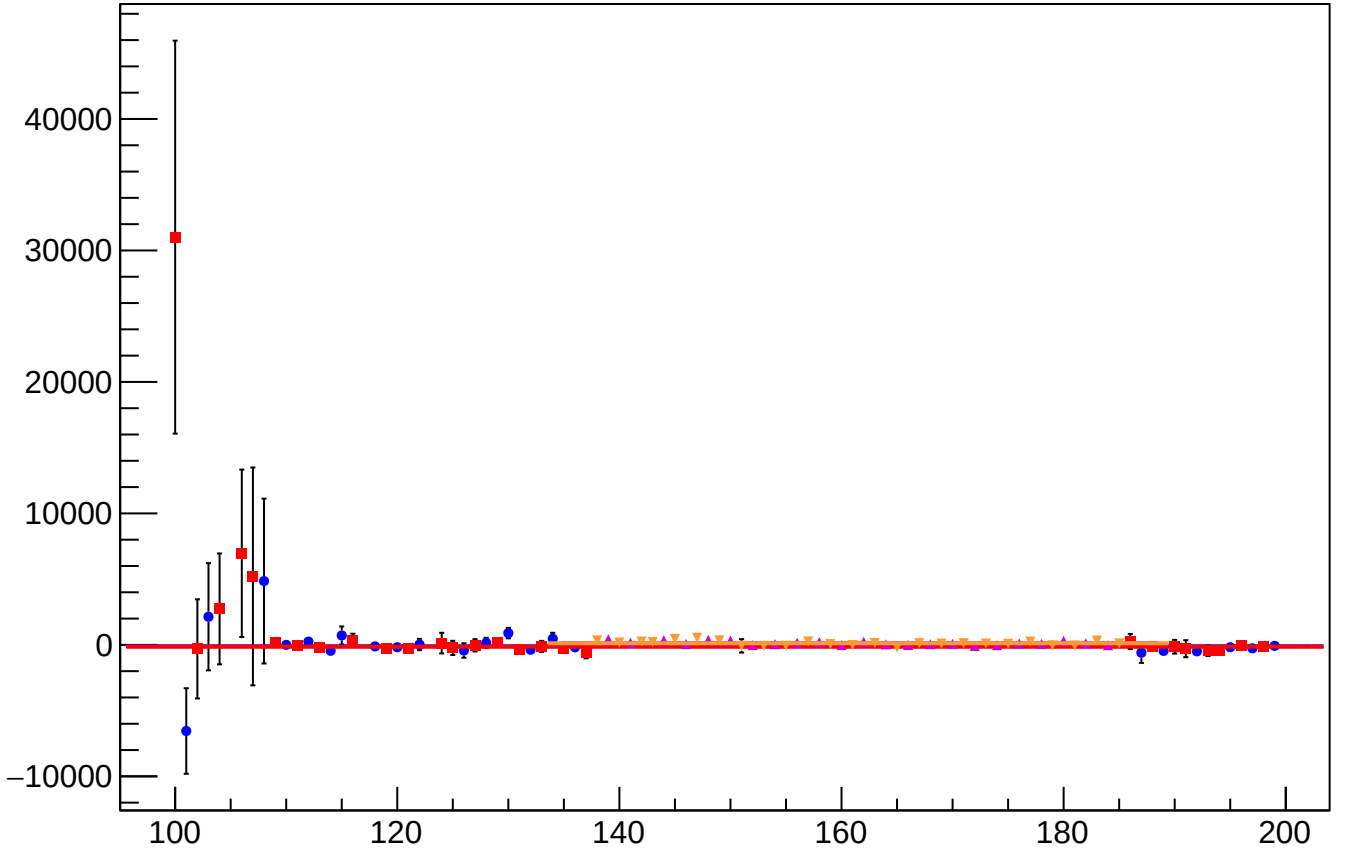
Right: 27.605+/-0.004 χ^2/NDF: 6853443.9/48

In: 28.280+/-0.004 χ^2/NDF:3426224.4/44

Out: 28.323+/-0.004 χ^2/NDF:3695367.6/51

All: 28.302+/-0.003 χ^2/NDF: 7121660.3/96

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs Slug, Sign Corrected



Right In: -109.068+/-60.105 χ^2/NDF: 23.5/21

Left Out: 122.864+/-47.300 χ^2/NDF:11.3/24

Right Out: -134.820+/-59.027 χ^2/NDF: 17.3/26

Left In: 123.046+/-45.269 χ^2/NDF:8.5/22

Left: 122.959+/-32.704 χ^2/NDF: 19.8/47

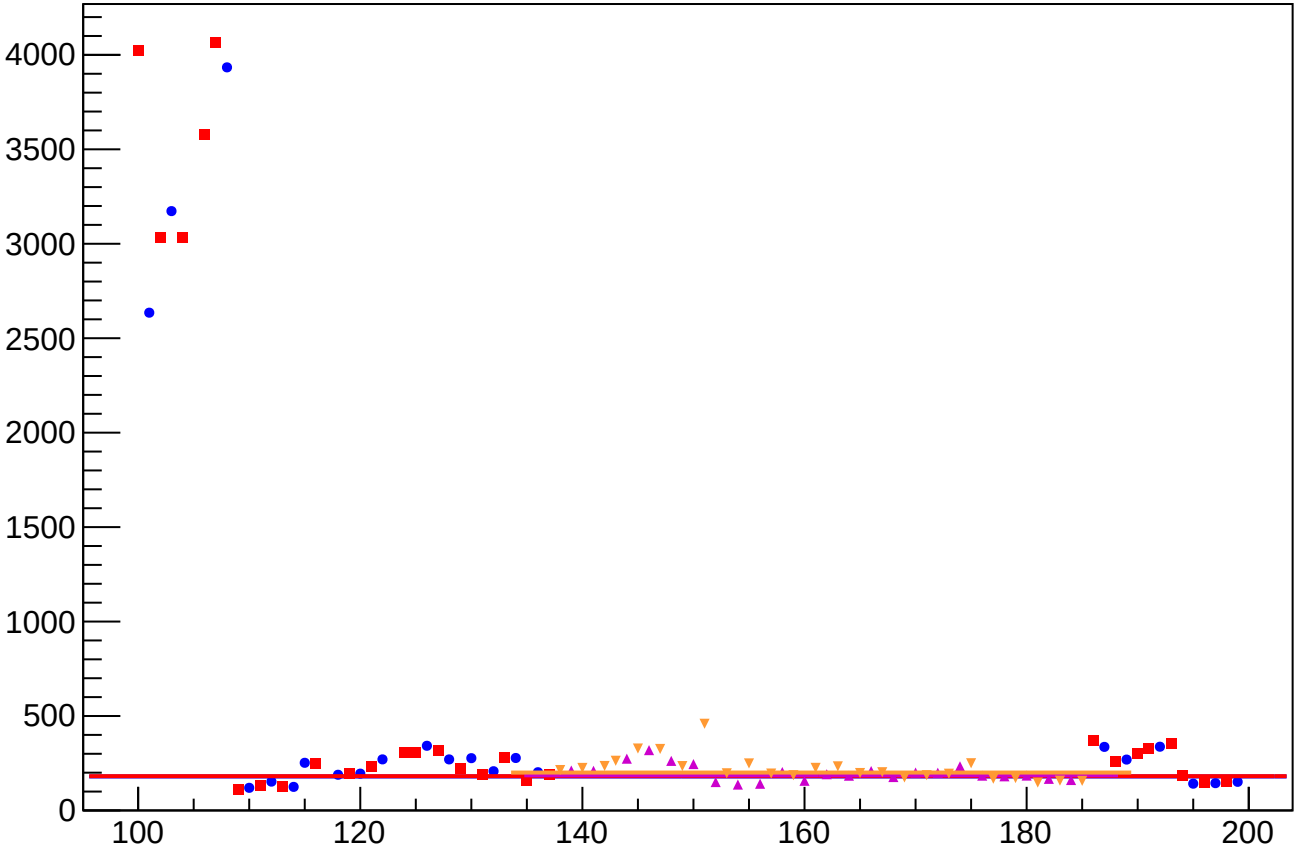
Right: -122.177+/-42.114 χ^2/NDF: 40.9/48

In: 39.034+/-36.160 χ^2/NDF:41.5/44

Out: 22.102+/-36.911 χ^2/NDF:40.2/51

All: 30.742+/-25.830 χ^2/NDF: 81.8/96

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 179.833+/-0.043 χ^2/NDF: 4747324.8/21

Left Out: 200.686+/-0.033 χ^2/NDF:1880083.2/24

Right Out: 181.492+/-0.042 χ^2/NDF: 5385130.8/26

Left In: 186.169+/-0.032 χ^2/NDF:1413387.1/22

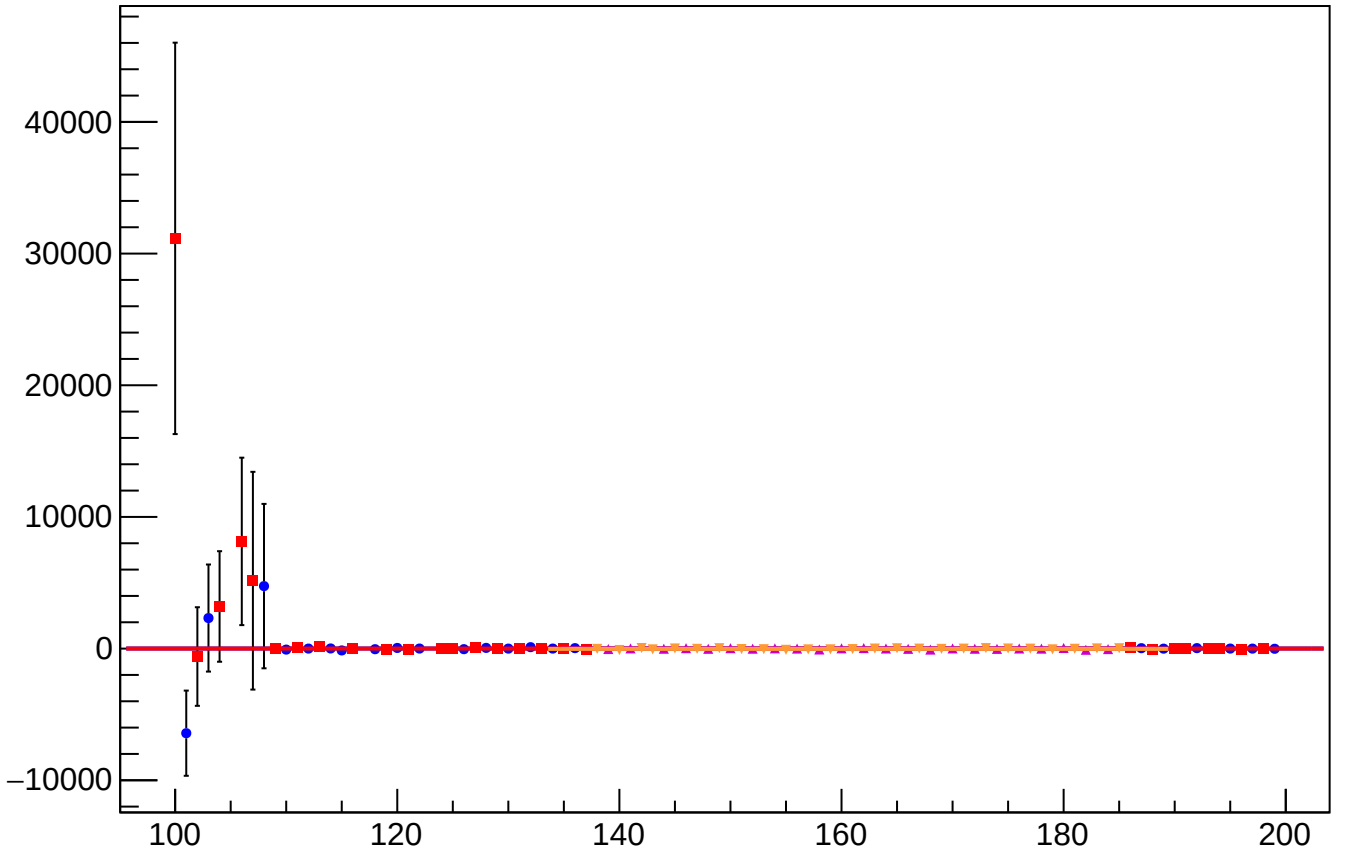
Left: 193.109+/-0.023 χ^2/NDF: 3391793.2/47

Right: 180.677+/-0.030 χ^2/NDF: 10133231.5/48

In: 183.876+/-0.026 χ^2/NDF:6174894.3/44

Out: 193.180+/-0.026 χ^2/NDF:7393991.7/51

All: 188.432+/-0.018 χ^2/NDF: 13633739.0/96



Right In: 6.101+/-10.669 χ^2/NDF: 18.8/21

Left Out: -21.228+/-7.835 χ^2/NDF:22.9/24

Right Out: 3.308+/-10.294 χ^2/NDF: 29.1/26

Left In: -4.029+/-8.083 χ^2/NDF:18.9/22

Left: -12.896+/-5.626 χ^2/NDF: 44.2/47

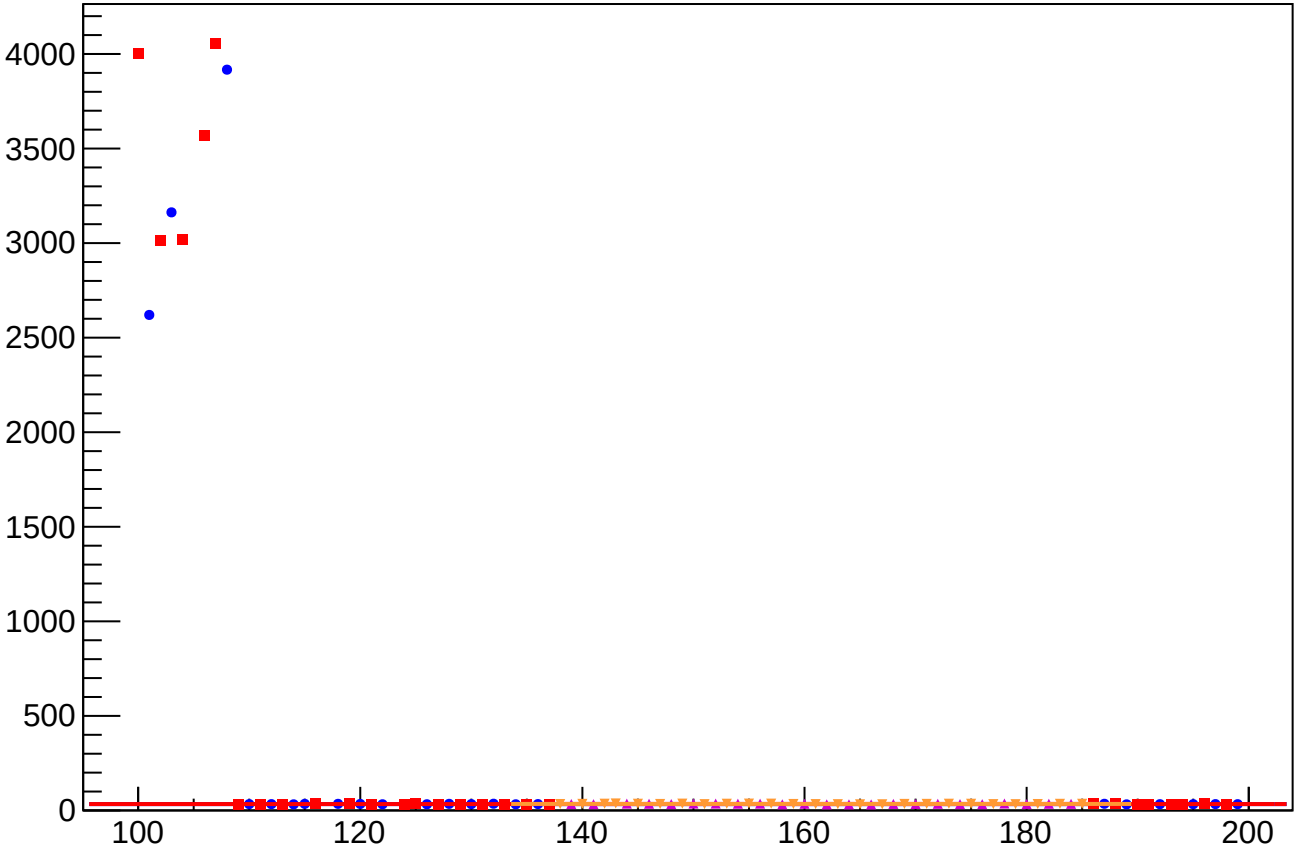
Right: 4.655+/-7.408 χ^2/NDF: 47.9/48

In: -0.335+/-6.443 χ^2/NDF:38.3/44

Out: -12.227+/-6.235 χ^2/NDF:55.6/51

All: -6.476+/-4.480 χ^2/NDF: 95.7/96

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 33.585+/-0.008 χ^2/NDF: 3249015.3/21

Left Out: 34.439+/-0.006 χ^2/NDF:44686.3/24

Right Out: 33.767+/-0.007 χ^2/NDF: 3537714.5/26

Left In: 34.552+/-0.006 χ^2/NDF:59280.9/22

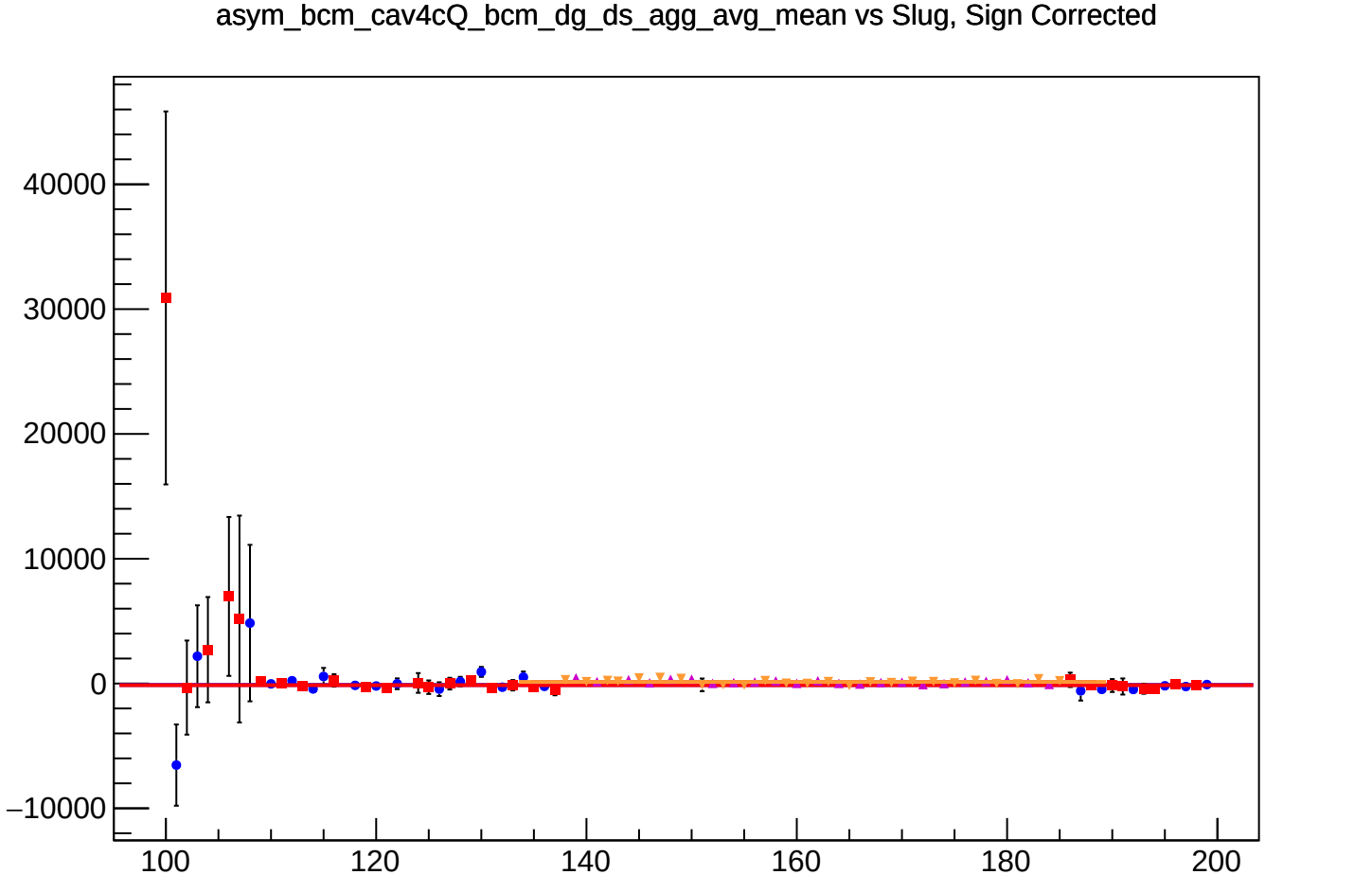
Left: 34.494+/-0.004 χ^2/NDF: 104170.1/47

Right: 33.679+/-0.005 χ^2/NDF: 6787029.5/48

In: 34.199+/-0.005 χ^2/NDF:3318730.1/44

Out: 34.192+/-0.004 χ^2/NDF:3587796.5/51

All: 34.196+/-0.003 χ^2/NDF: 6906528.0/96



Right In: -115.765+/-59.905 χ^2/NDF: 22.8/21

Left Out: 127.689+/-47.228 χ^2/NDF:11.6/24

Right Out: -133.614+/-58.753 χ^2/NDF: 16.7/26

Left In: 122.809+/-45.199 χ^2/NDF:8.0/22

Left: 125.142+/-32.654 χ^2/NDF: 19.6/47

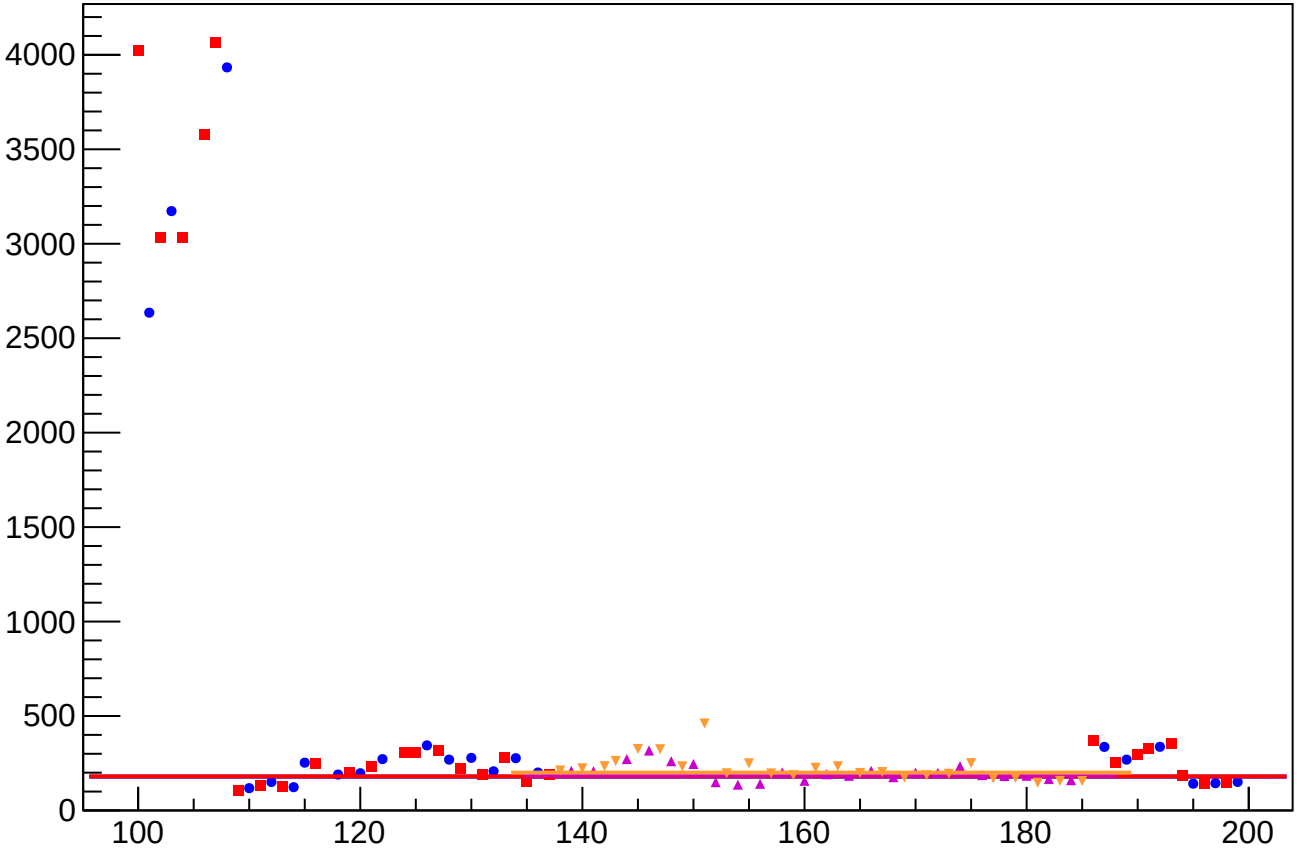
Right: -124.863+/-41.946 χ^2/NDF: 39.5/48

In: 36.262+/-36.081 χ^2/NDF:40.9/44

Out: 25.122+/-36.810 χ^2/NDF:40.3/51

All: 30.803+/-25.767 χ^2/NDF: 81.2/96

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 179.069+/-0.042 χ^2/NDF: 4777914.6/21

Left Out: 200.372+/-0.033 χ^2/NDF:1876533.6/24

Right Out: 180.373+/-0.042 χ^2/NDF: 5441936.2/26

Left In: 185.871+/-0.032 χ^2/NDF:1405525.2/22

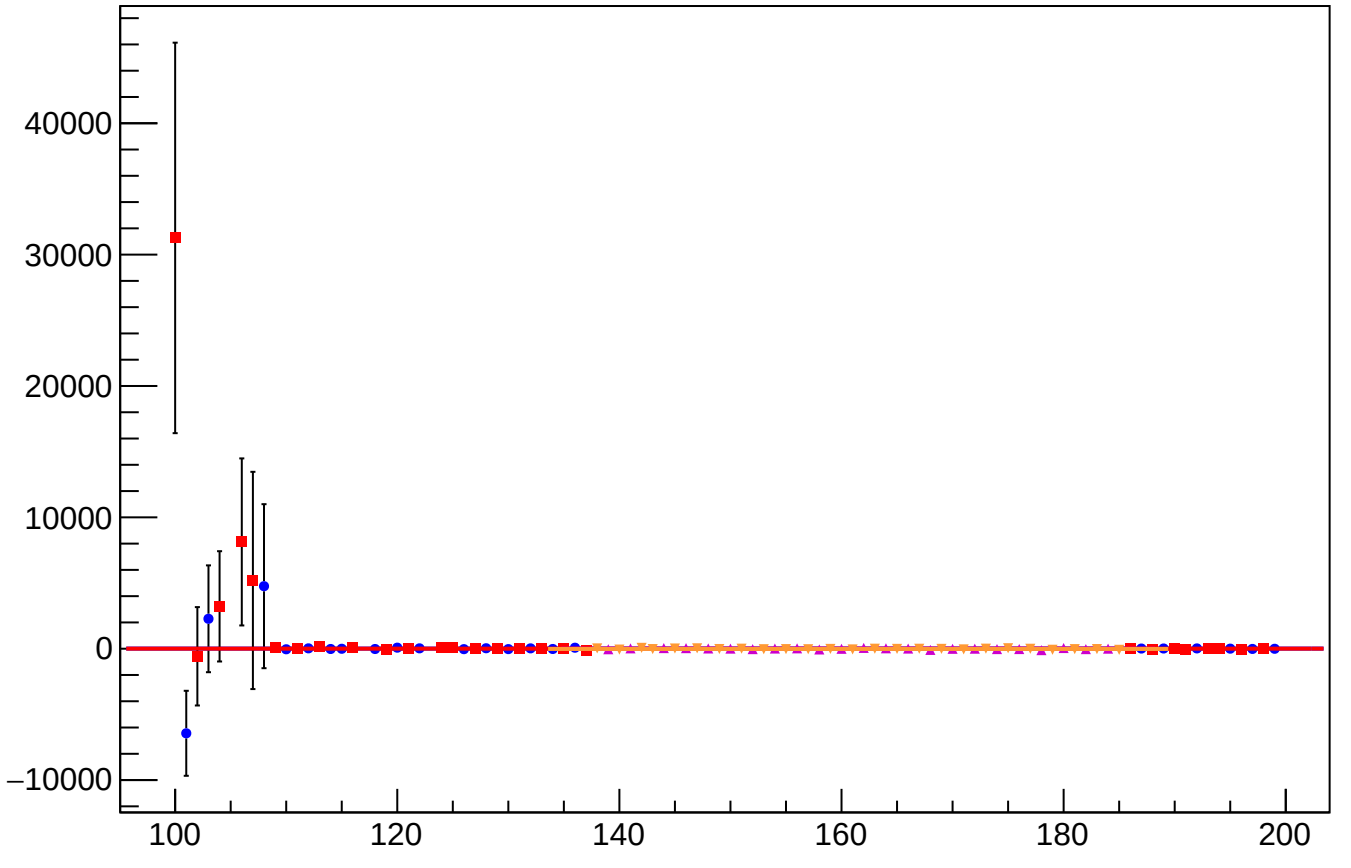
Left: 192.803+/-0.023 χ^2/NDF: 3380466.3/47

Right: 179.734+/-0.030 χ^2/NDF: 10220333.9/48

In: 183.404+/-0.026 χ^2/NDF:6199873.5/44

Out: 192.522+/-0.026 χ^2/NDF:7459241.5/51

All: 187.872+/-0.018 χ^2/NDF: 13721703.5/96



Right In: 9.274+/-9.688 χ^2/NDF: 16.7/21

Left Out: -18.581+/-7.135 χ^2/NDF:20.4/24

Right Out: 4.656+/-9.342 χ^2/NDF: 35.7/26

Left In: -2.709+/-7.348 χ^2/NDF:35.5/22

Left: -10.878+/-5.119 χ^2/NDF: 58.3/47

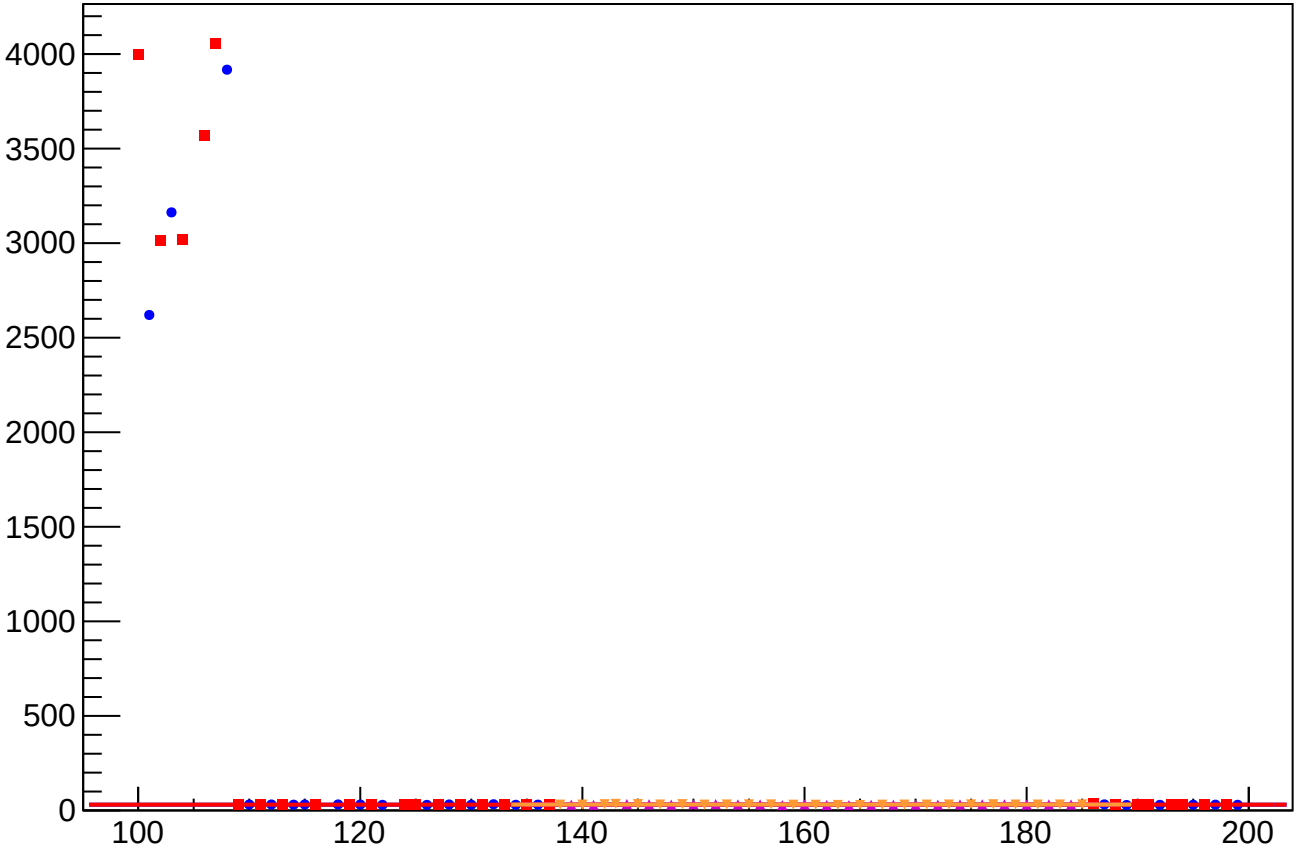
Right: 6.881+/-6.725 χ^2/NDF: 52.5/48

In: 1.667+/-5.854 χ^2/NDF:53.2/44

Out: -10.021+/-5.670 χ^2/NDF:60.0/51

All: -4.364+/-4.073 χ^2/NDF: 115.3/96

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 30.476+/-0.007 χ^2/NDF: 3262606.7/21

Left Out: 31.340+/-0.005 χ^2/NDF:63017.9/24

Right Out: 30.617+/-0.007 χ^2/NDF: 3553592.9/26

Left In: 31.379+/-0.005 χ^2/NDF:85229.7/22

Left: 31.359+/-0.004 χ^2/NDF: 148277.4/47

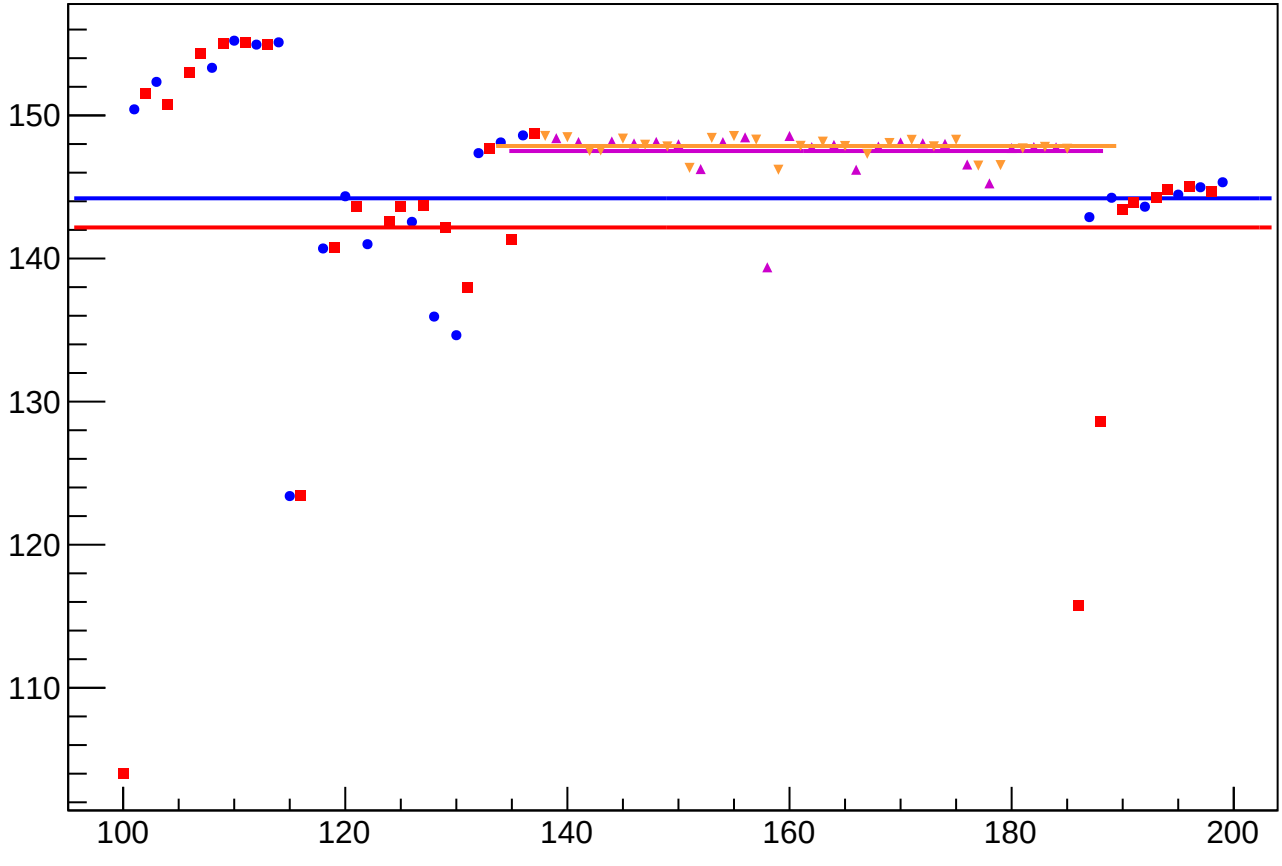
Right: 30.549+/-0.005 χ^2/NDF: 6816417.6/48

In: 31.050+/-0.004 χ^2/NDF:3358875.9/44

Out: 31.073+/-0.004 χ^2/NDF:3624182.6/51

All: 31.062+/-0.003 χ^2/NDF: 6983075.7/96

yield_bcm_target_mean vs Slug, Sign Corrected



Right In: 144.207+/-0.000 χ^2/NDF: 3733109005.0/21

Left Out: 147.864+/-0.000 χ^2/NDF:44922014.2/24

Right Out: 142.171+/-0.000 χ^2/NDF: 7493970861.8/26

Left In: 147.511+/-0.000 χ^2/NDF:306421789.5/22

Left: 147.695+/-0.000 χ^2/NDF: 357135734.4/47

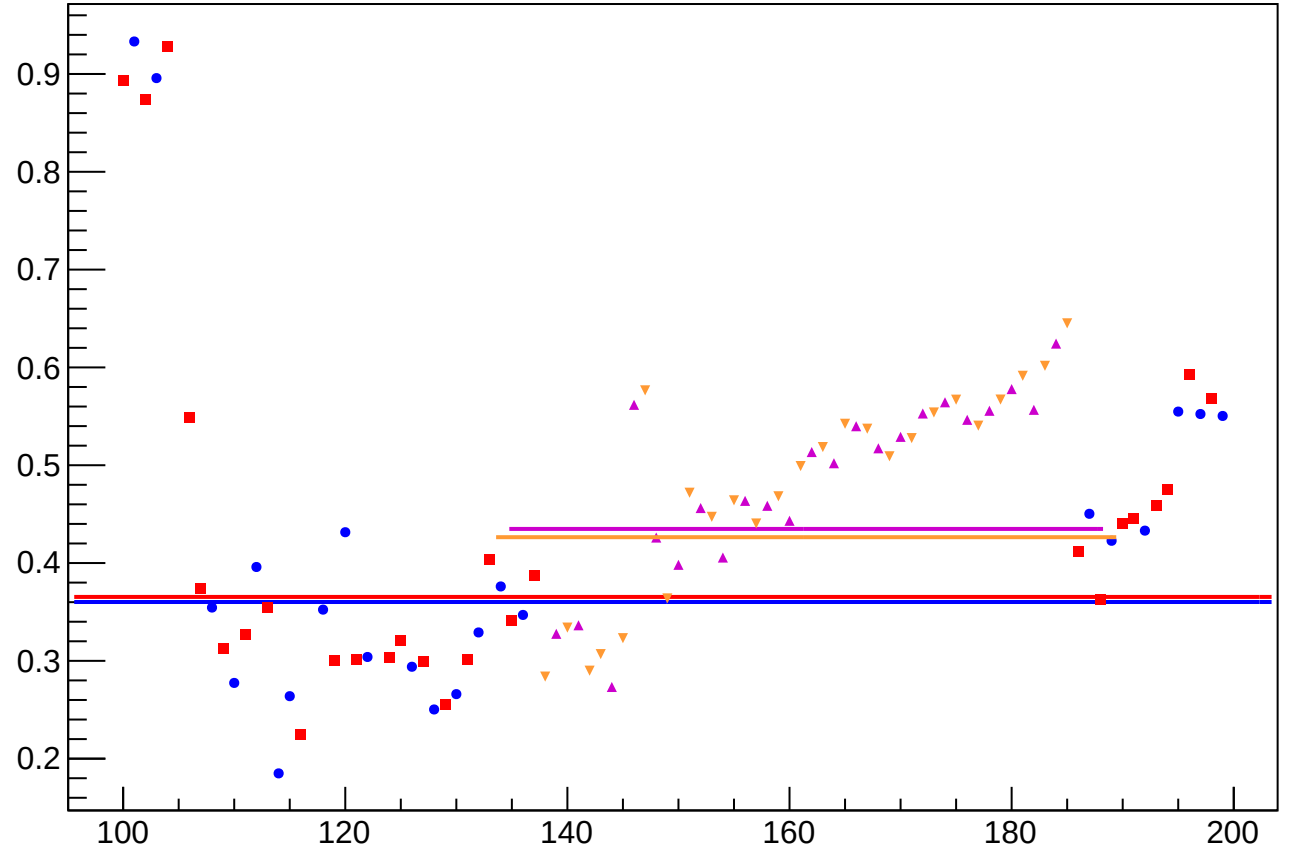
Right: 143.141+/-0.000 χ^2/NDF: 11386576606.2/48

In: 146.019+/-0.000 χ^2/NDF:4479174102.3/44

Out: 145.278+/-0.000 χ^2/NDF:8967409926.5/51

All: 145.632+/-0.000 χ^2/NDF: 13493253498.

yield_bcm_target_rms vs Slug, Sign Corrected



Right In: 0.360+/-0.000 χ^2/NDF: 2227708.1/21

Left Out: 0.426+/-0.000 χ^2/NDF:2259192.5/24

Right Out: 0.365+/-0.000 χ^2/NDF: 2087318.8/26

Left In: 0.435+/-0.000 χ^2/NDF:1774903.7/22

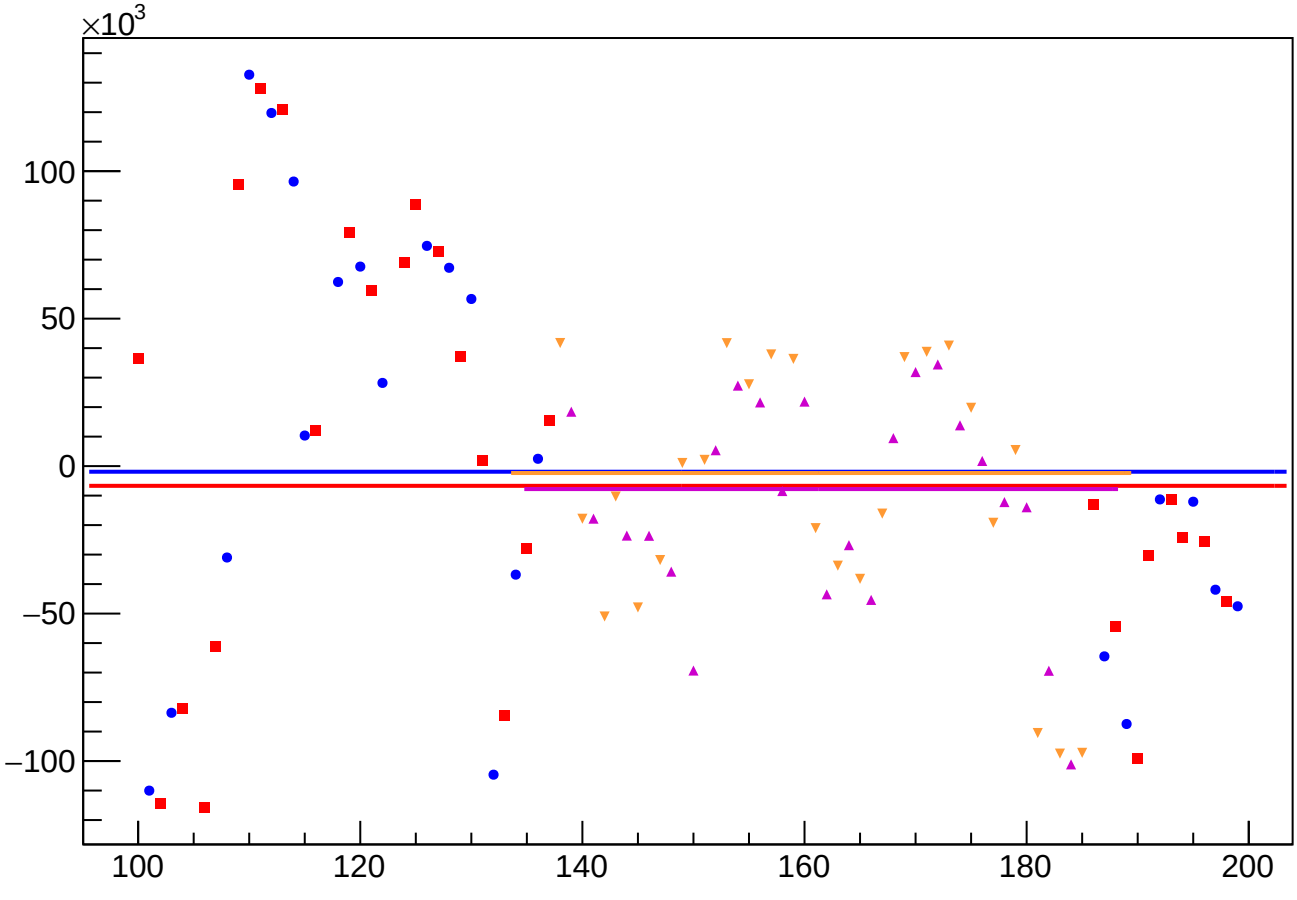
Left: 0.430+/-0.000 χ^2/NDF: 4040738.3/47

Right: 0.363+/-0.000 χ^2/NDF: 4317103.5/48

In: 0.401+/-0.000 χ^2/NDF:4452355.8/44

Out: 0.399+/-0.000 χ^2/NDF:4675268.3/51

All: 0.400+/-0.000 χ^2/NDF: 9128646.3/96



Right In: -1904.594+/-1.599 χ^2/NDF: 1752118117.3/21

Left Out: -2344.855+/-1.123 χ^2/NDF:1230029339.6/24

Right Out: -6686.277+/-1.475 χ^2/NDF: 2223326014.9/26

Left In: -7787.808+/-1.145 χ^2/NDF:762496621.5/22

Left: -5015.253+/-0.802 χ^2/NDF: 2004045886.0/47

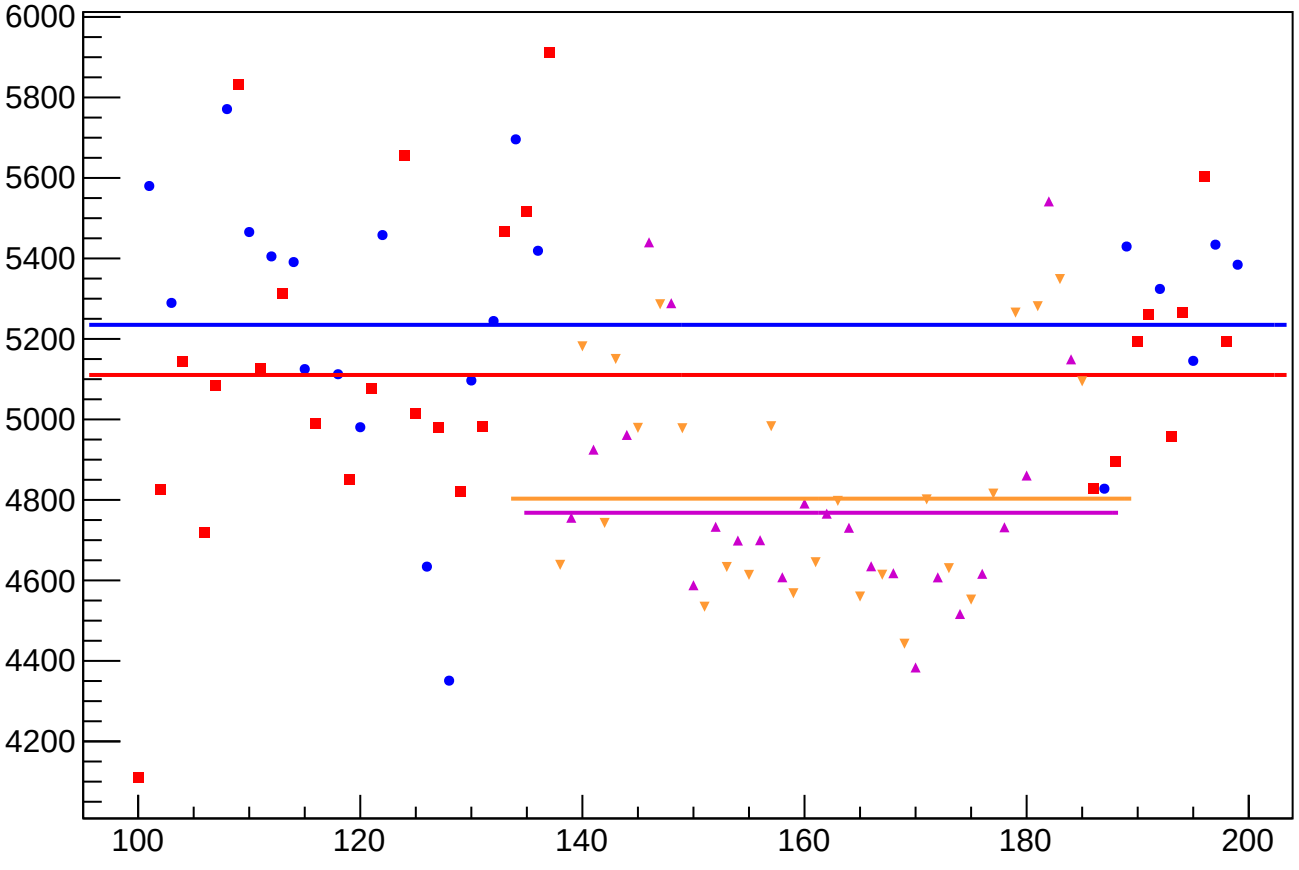
Right: -4488.514+/-1.084 χ^2/NDF: 3980275354.1/4

In: -5795.025+/-0.931 χ^2/NDF:2523564460.2/44

Out: -3938.607+/-0.894 χ^2/NDF:3458839284.1/51

All: -4829.056+/-0.645 χ^2/NDF: 5984473842

yield_bcm_an_diff_rms vs Slug, Sign Corrected



Right In: 5234.997+/-1.131 χ^2/NDF: 85993.2/21

Left Out: 4803.136+/-0.794 χ^2/NDF:114681.5/24

Right Out: 5110.458+/-1.043 χ^2/NDF: 81169.9/26

Left In: 4768.055+/-0.809 χ^2/NDF:102355.5/22

Left: 4785.925+/-0.567 χ^2/NDF: 217994.1/47

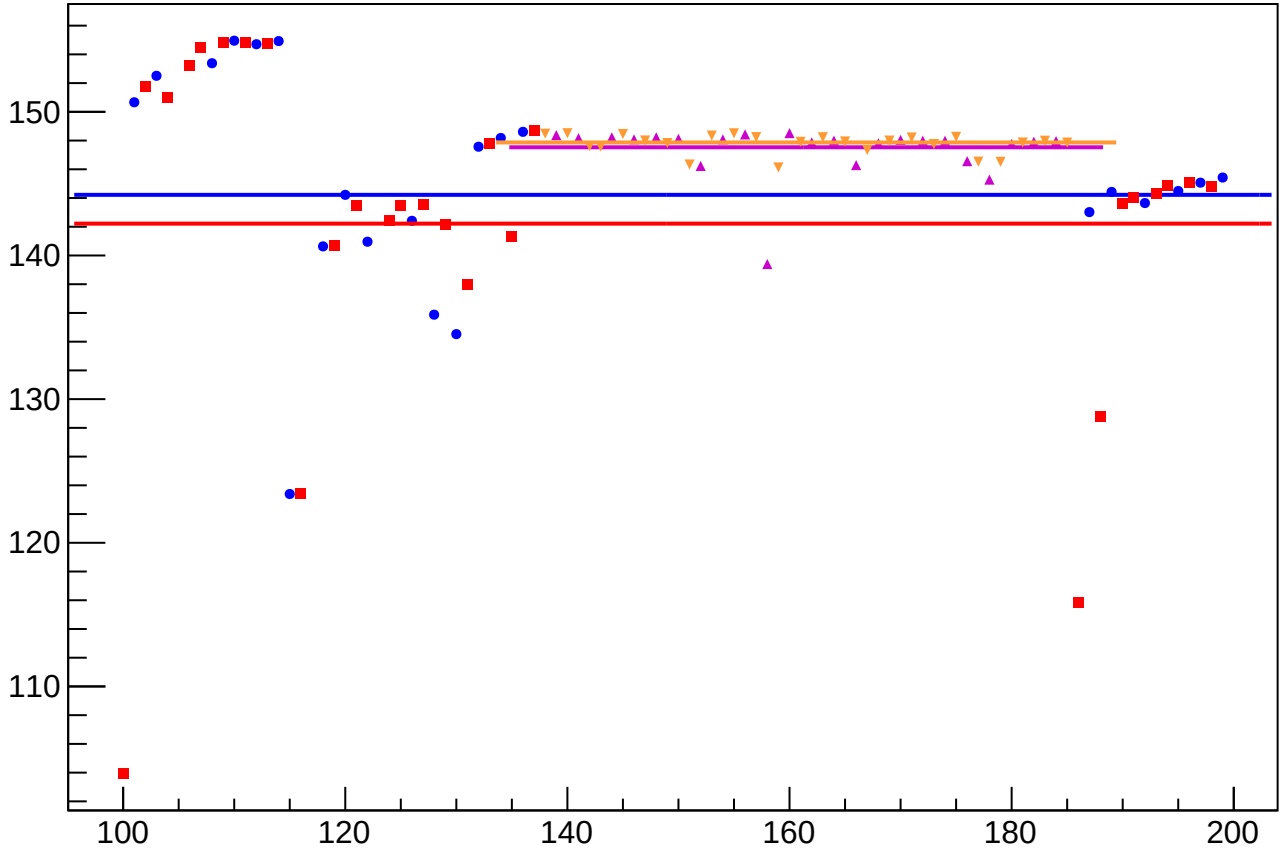
Right: 5167.699+/-0.767 χ^2/NDF: 173717.5/48

In: 4926.219+/-0.658 χ^2/NDF:301103.5/44

Out: 4915.956+/-0.632 χ^2/NDF:250811.2/51

All: 4920.879+/-0.456 χ^2/NDF: 552041.2/96

yield_bcm_an_ds_mean vs Slug, Sign Corrected



Right In: 144.222+/-0.000 χ^2/NDF: 3773997462.2/21

Left Out: 147.870+/-0.000 χ^2/NDF:44483332.4/24

Right Out: 142.217+/-0.000 χ^2/NDF: 7467262555.1/26

Left In: 147.532+/-0.000 χ^2/NDF:307143604.6/22

Left: 147.708+/-0.000 χ^2/NDF: 356985822.2/47

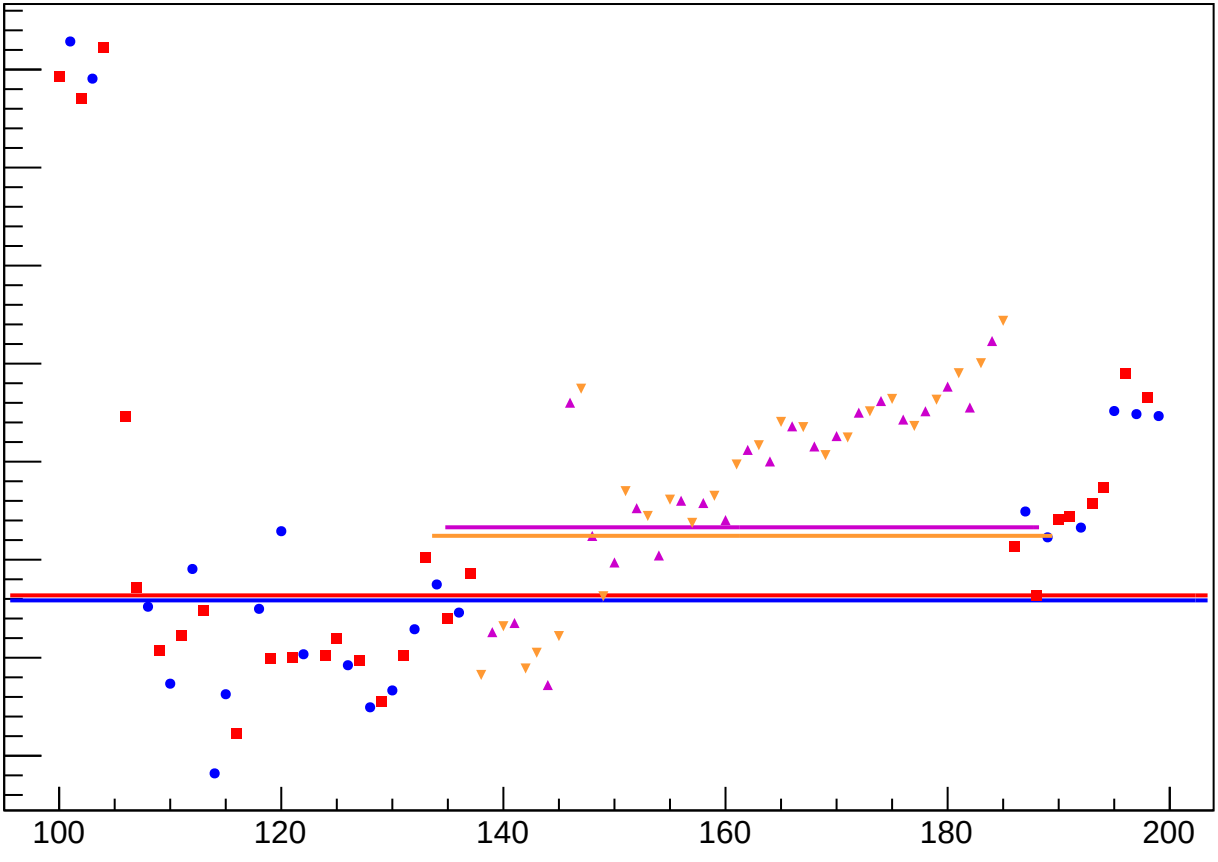
Right: 143.172+/-0.000 χ^2/NDF: 11397294905.3/48

In: 146.036+/-0.000 χ^2/NDF:4526372006.9/44

Out: 145.303+/-0.000 χ^2/NDF:8933314519.4/51

All: 145.653+/-0.000 χ^2/NDF: 13505811317.

yield_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 0.358+/-0.000 χ^2/NDF: 2227959.8/21

Left Out: 0.424+/-0.000 χ^2/NDF:2260723.7/24

Right Out: 0.364+/-0.000 χ^2/NDF: 2093837.4/26

Left In: 0.433+/-0.000 χ^2/NDF:1771141.8/22

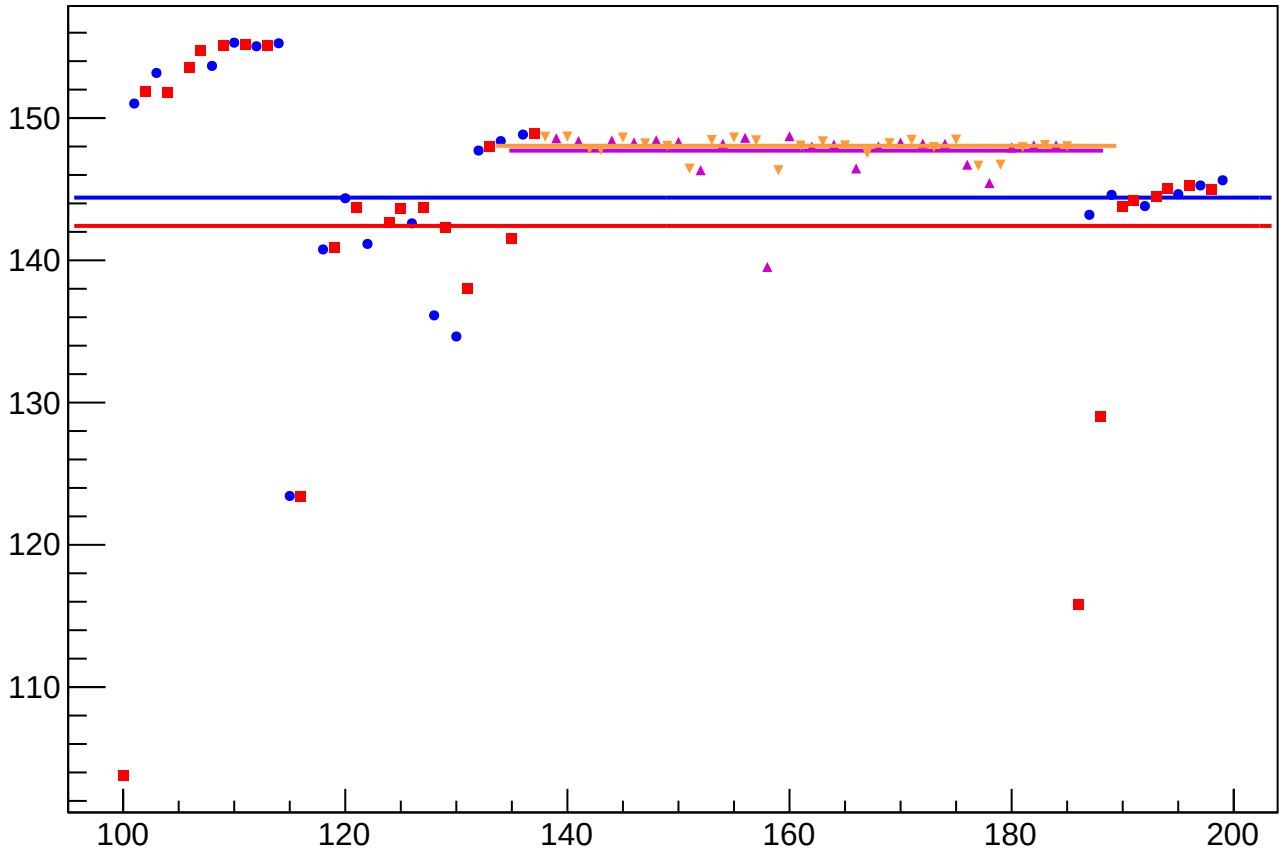
Left: 0.429+/-0.000 χ^2/NDF: 4038947.9/47

Right: 0.361+/-0.000 χ^2/NDF: 4323828.0/48

In: 0.399+/-0.000 χ^2/NDF:4451034.9/44

Out: 0.397+/-0.000 χ^2/NDF:4683075.2/51

All: 0.398+/-0.000 χ^2/NDF: 9135262.6/96



Right In: 144.408+/-0.000 χ^2/NDF: 3767892731.8/21

Left Out: 148.049+/-0.000 χ^2/NDF:44901895.1/24

Right Out: 142.418+/-0.000 χ^2/NDF: 7402826540.2/26

Left In: 147.710+/-0.000 χ^2/NDF:311841433.9/22

Left: 147.887+/-0.000 χ^2/NDF: 362079380.3/47

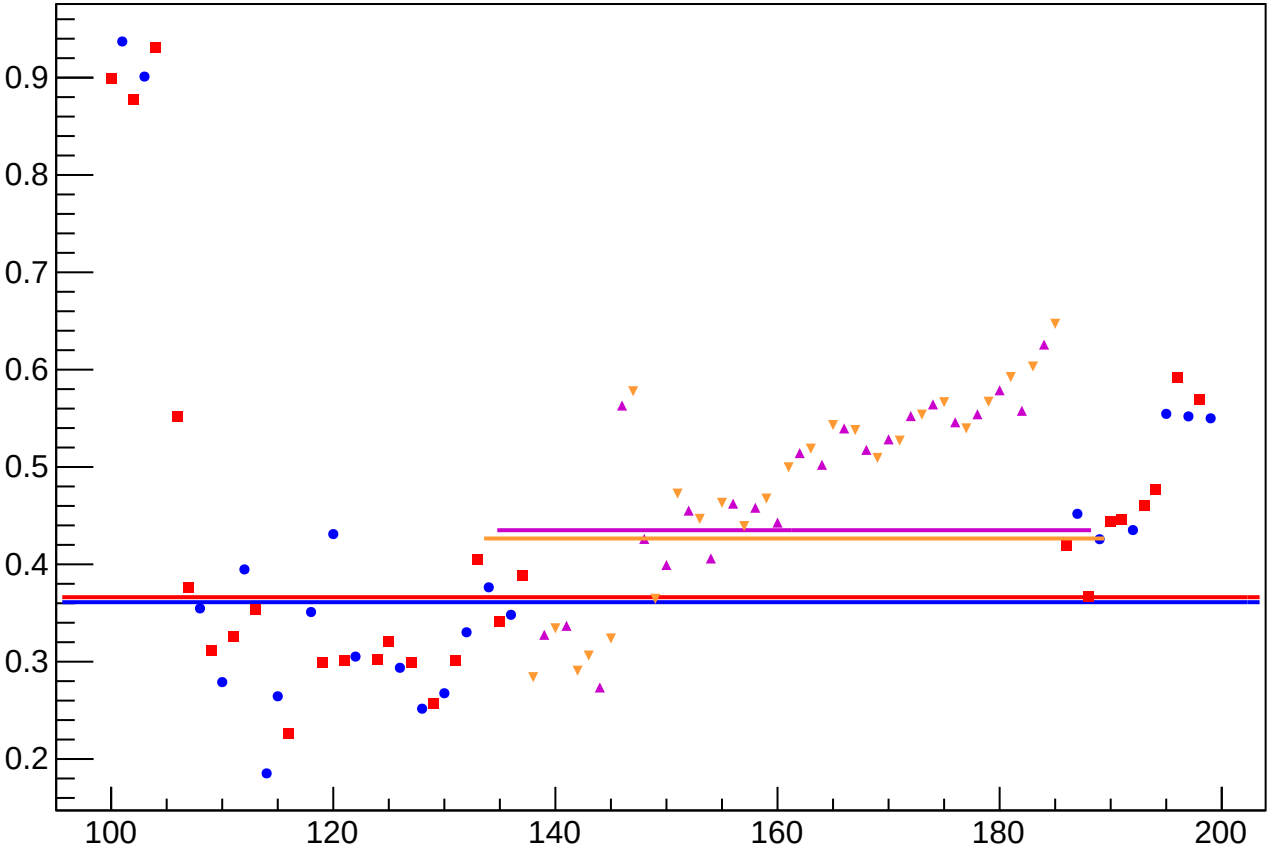
Right: 143.366+/-0.000 χ^2/NDF: 11322317784.6/48

In: 146.222+/-0.000 χ^2/NDF:4517673234.5/44

Out: 145.498+/-0.000 χ^2/NDF:8841057140.0/51

All: 145.844+/-0.000 χ^2/NDF: 13403201788.

yield_bcm_an_ds3_rms vs Slug, Sign Corrected



Right In: 0.361+/-0.000 χ^2/NDF: 2219608.8/21

Left Out: 0.427+/-0.000 χ^2/NDF:2257492.3/24

Right Out: 0.366+/-0.000 χ^2/NDF: 2092929.2/26

Left In: 0.435+/-0.000 χ^2/NDF:1769716.0/22

Left: 0.431+/-0.000 χ^2/NDF: 4033919.8/47

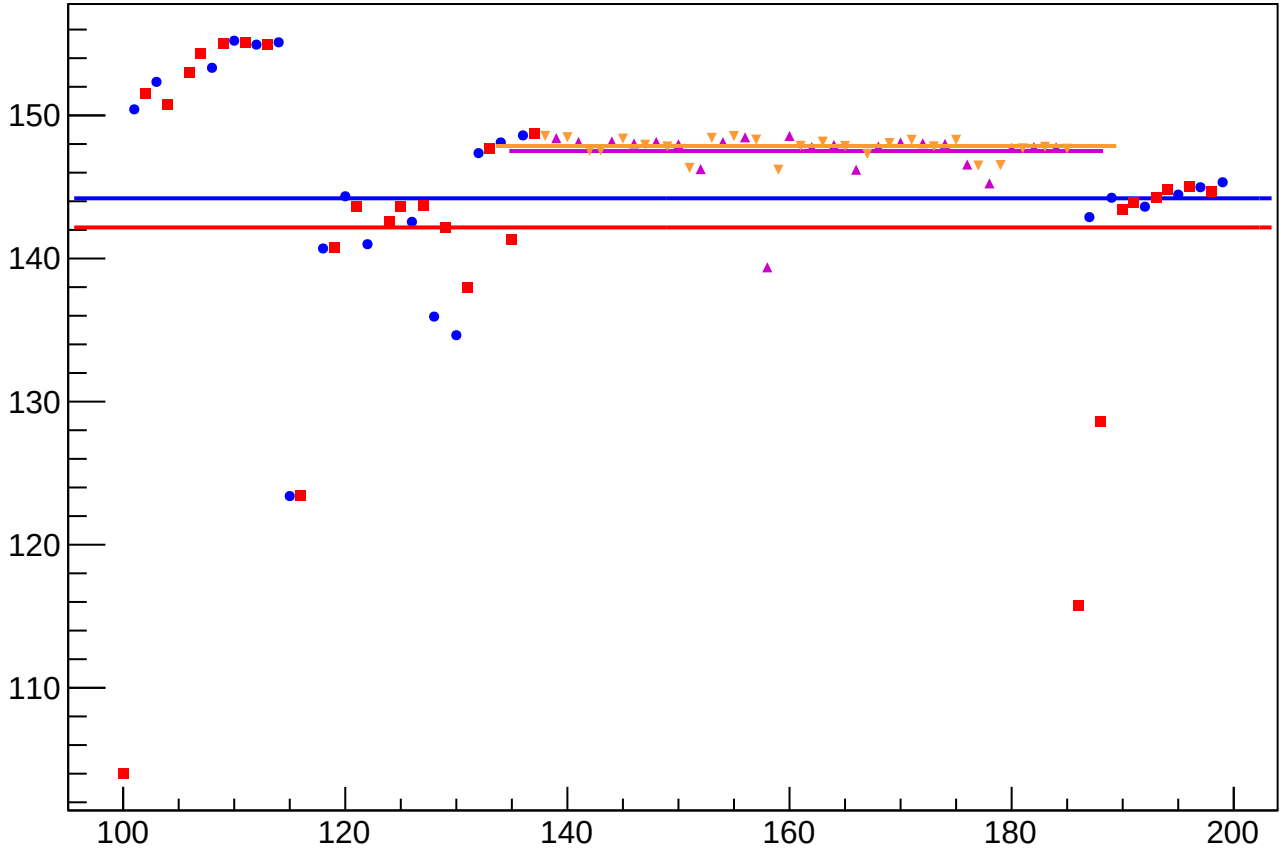
Right: 0.364+/-0.000 χ^2/NDF: 4314564.3/48

In: 0.402+/-0.000 χ^2/NDF:4428622.8/44

Out: 0.399+/-0.000 χ^2/NDF:4670033.7/51

All: 0.400+/-0.000 χ^2/NDF: 9099715.6/96

yield_bcm_an_us_mean vs Slug, Sign Corrected



Right In: 144.207+/-0.000 χ^2/NDF: 3733109005.0/21

Left Out: 147.864+/-0.000 χ^2/NDF:44922014.2/24

Right Out: 142.171+/-0.000 χ^2/NDF: 7493970861.8/26

Left In: 147.511+/-0.000 χ^2/NDF:306421789.5/22

Left: 147.695+/-0.000 χ^2/NDF: 357135734.4/47

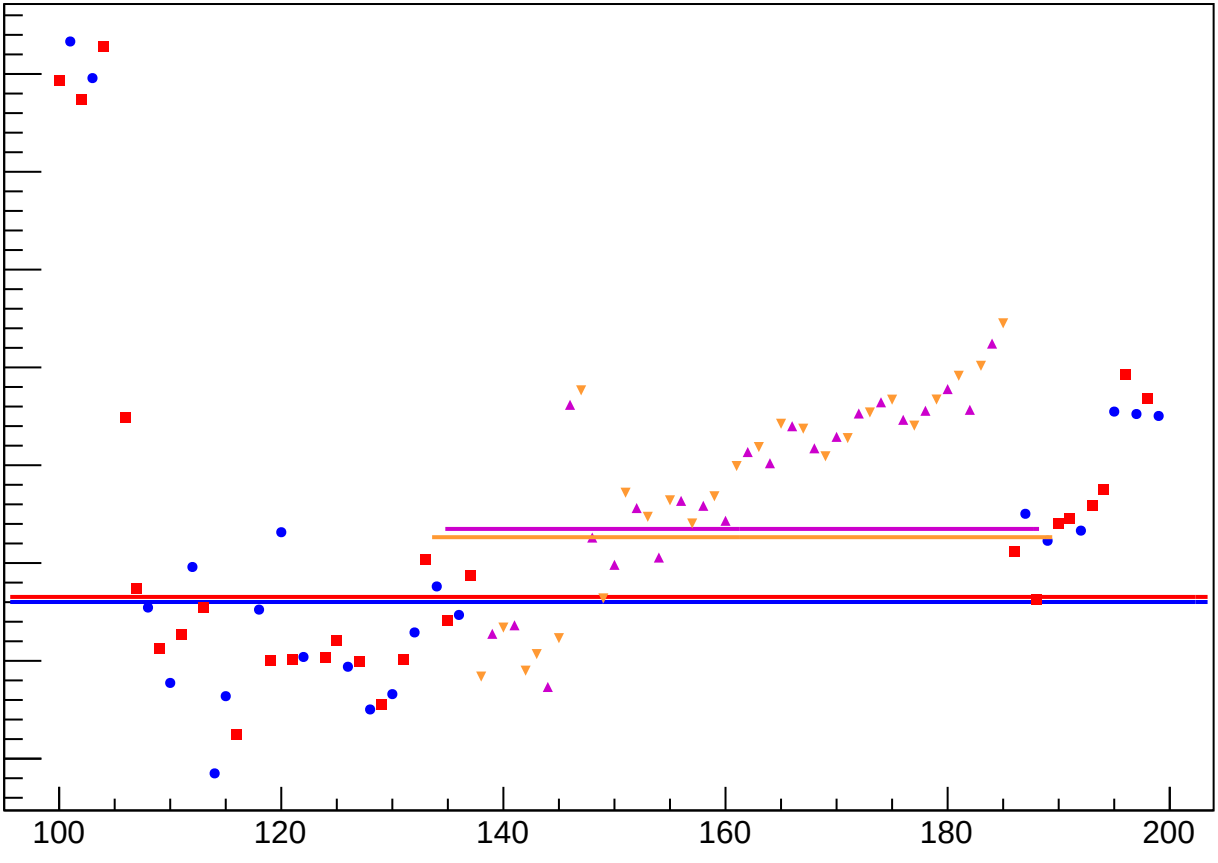
Right: 143.141+/-0.000 χ^2/NDF: 11386576606.2/48

In: 146.019+/-0.000 χ^2/NDF:4479174102.3/44

Out: 145.278+/-0.000 χ^2/NDF:8967409926.5/51

All: 145.632+/-0.000 χ^2/NDF: 13493253498.

yield_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 0.360+/-0.000 χ^2/NDF: 2227708.1/21

Left Out: 0.426+/-0.000 χ^2/NDF:2259192.5/24

Right Out: 0.365+/-0.000 χ^2/NDF: 2087318.8/26

Left In: 0.435+/-0.000 χ^2/NDF:1774903.7/22

Left: 0.430+/-0.000 χ^2/NDF: 4040738.3/47

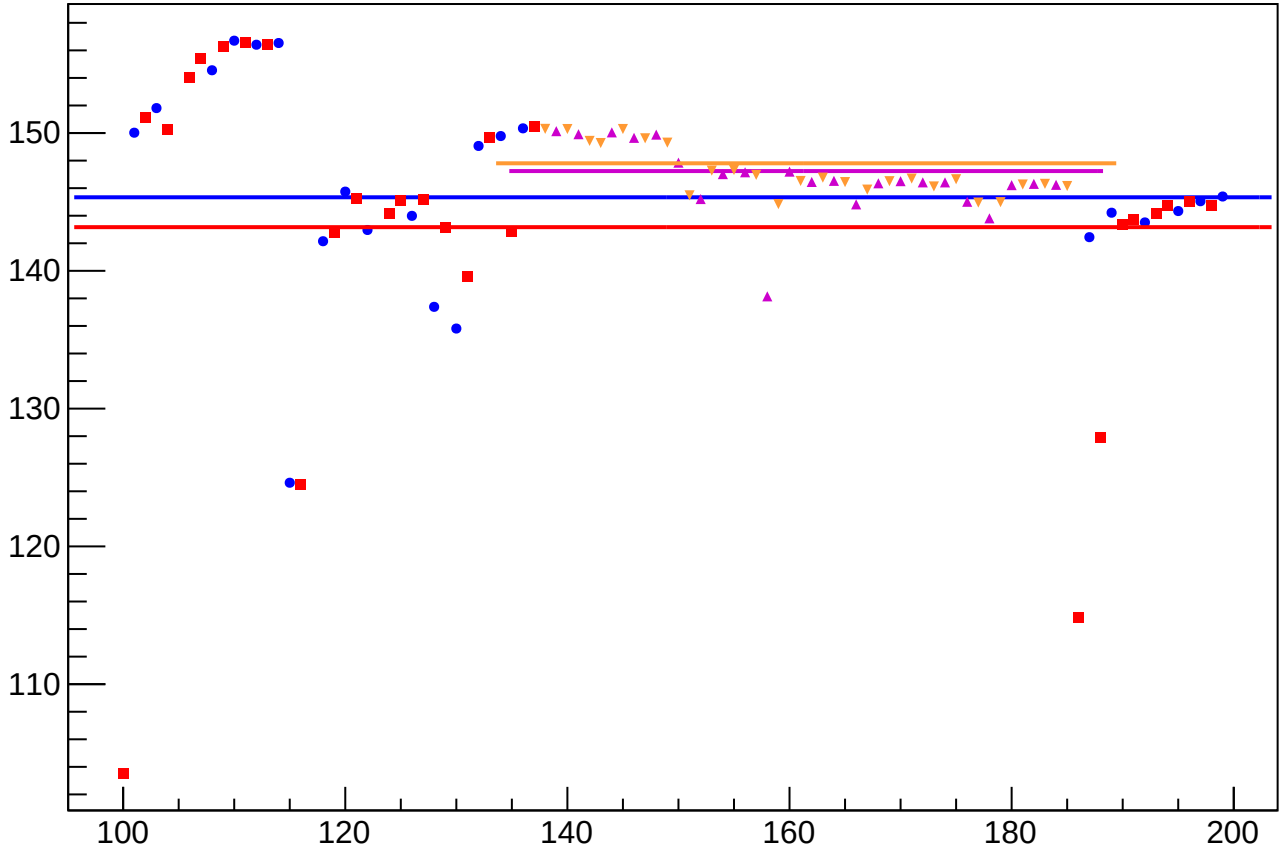
Right: 0.363+/-0.000 χ^2/NDF: 4317103.5/48

In: 0.401+/-0.000 χ^2/NDF:4452355.8/44

Out: 0.399+/-0.000 χ^2/NDF:4675268.3/51

All: 0.400+/-0.000 χ^2/NDF: 9128646.3/96

yield_bcm_dg_us_mean vs Slug, Sign Corrected



Right In: 145.338+/-0.000 χ^2/NDF: 3514985307.8/21

Left Out: 147.804+/-0.000 χ^2/NDF:327059704.2/24

Right Out: 143.170+/-0.000 χ^2/NDF: 7596307673.8/26

Left In: 147.241+/-0.000 χ^2/NDF:618679483.9/22

Left: 147.533+/-0.000 χ^2/NDF: 959733428.8/47

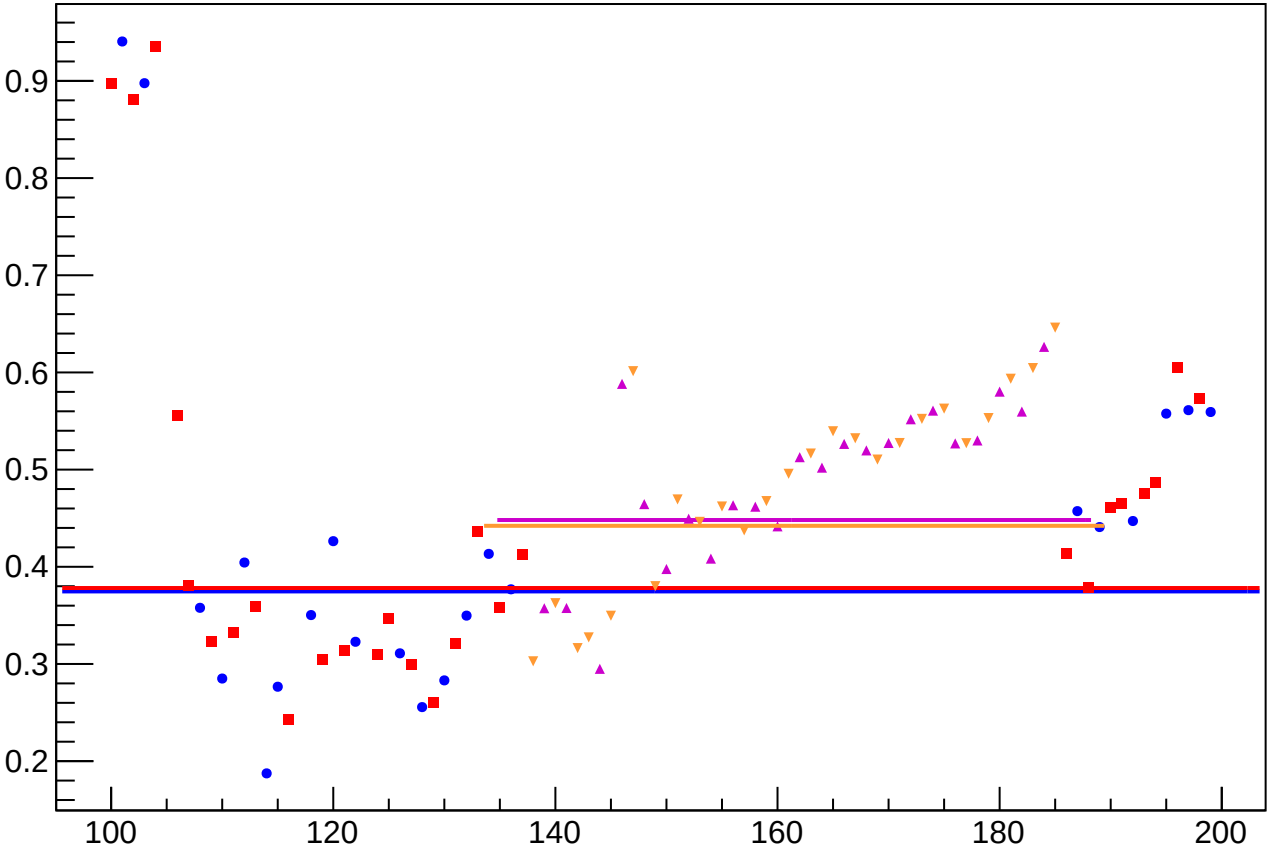
Right: 144.198+/-0.000 χ^2/NDF: 11279413425.8/48

In: 146.395+/-0.000 χ^2/NDF:4270515596.8/44

Out: 145.710+/-0.000 χ^2/NDF:8811062714.3/51

All: 146.037+/-0.000 χ^2/NDF: 13119093148.

yield_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 0.375+/-0.000 χ^2/NDF: 2128081.0/21

Left Out: 0.442+/-0.000 χ^2/NDF:1704199.1/24

Right Out: 0.378+/-0.000 χ^2/NDF: 2016897.0/26

Left In: 0.448+/-0.000 χ^2/NDF:1347802.9/22

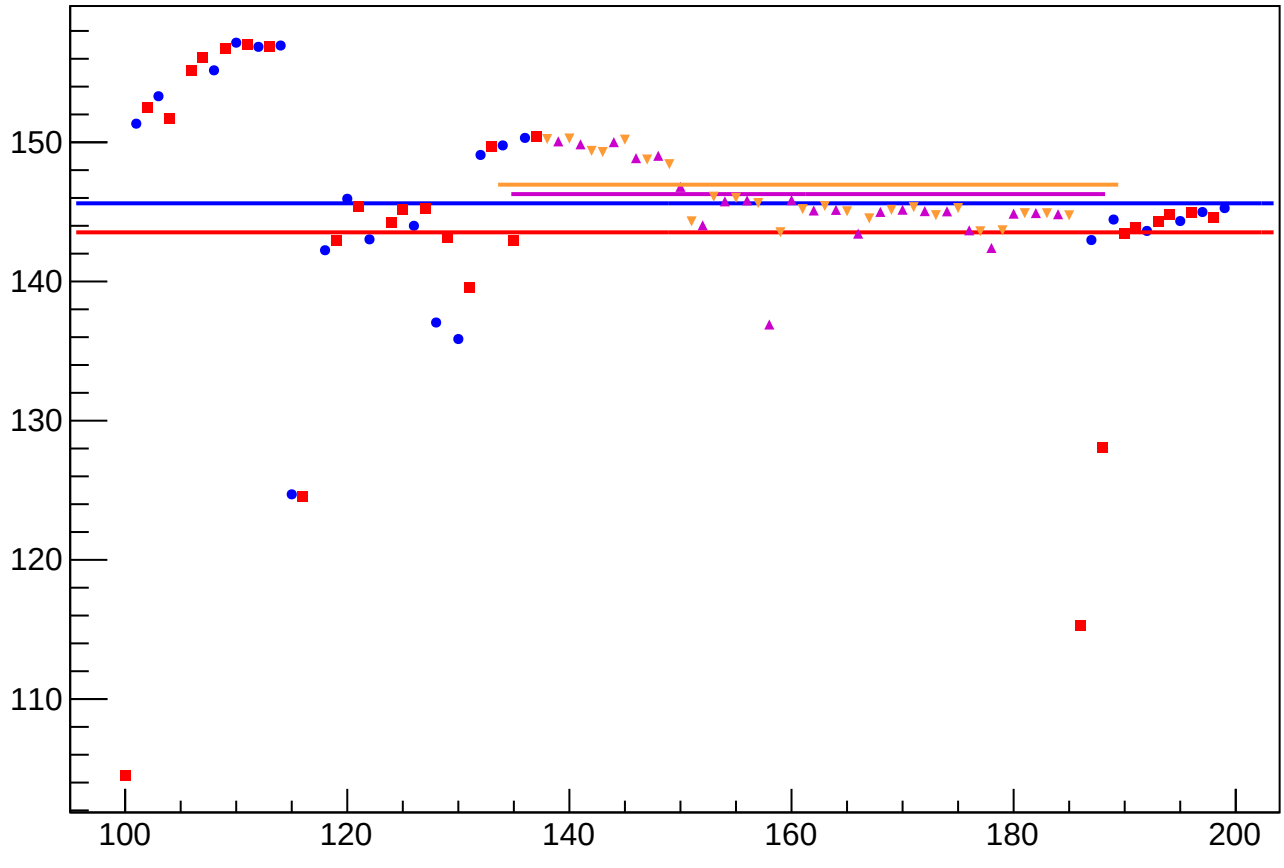
Left: 0.445+/-0.000 χ^2/NDF: 3055136.8/47

Right: 0.376+/-0.000 χ^2/NDF: 4145856.2/48

In: 0.415+/-0.000 χ^2/NDF:3884097.9/44

Out: 0.413+/-0.000 χ^2/NDF:4059880.7/51

All: 0.414+/-0.000 χ^2/NDF: 7944779.1/96



Right In: 145.616+/-0.000 χ^2/NDF: 3660597940.6/21

Left Out: 146.956+/-0.000 χ^2/NDF:542800379.5/24

Right Out: 143.531+/-0.000 χ^2/NDF: 7667044530.9/26

Left In: 146.278+/-0.000 χ^2/NDF:825161532.5/22

Left: 146.630+/-0.000 χ^2/NDF: 1388188459.0/47

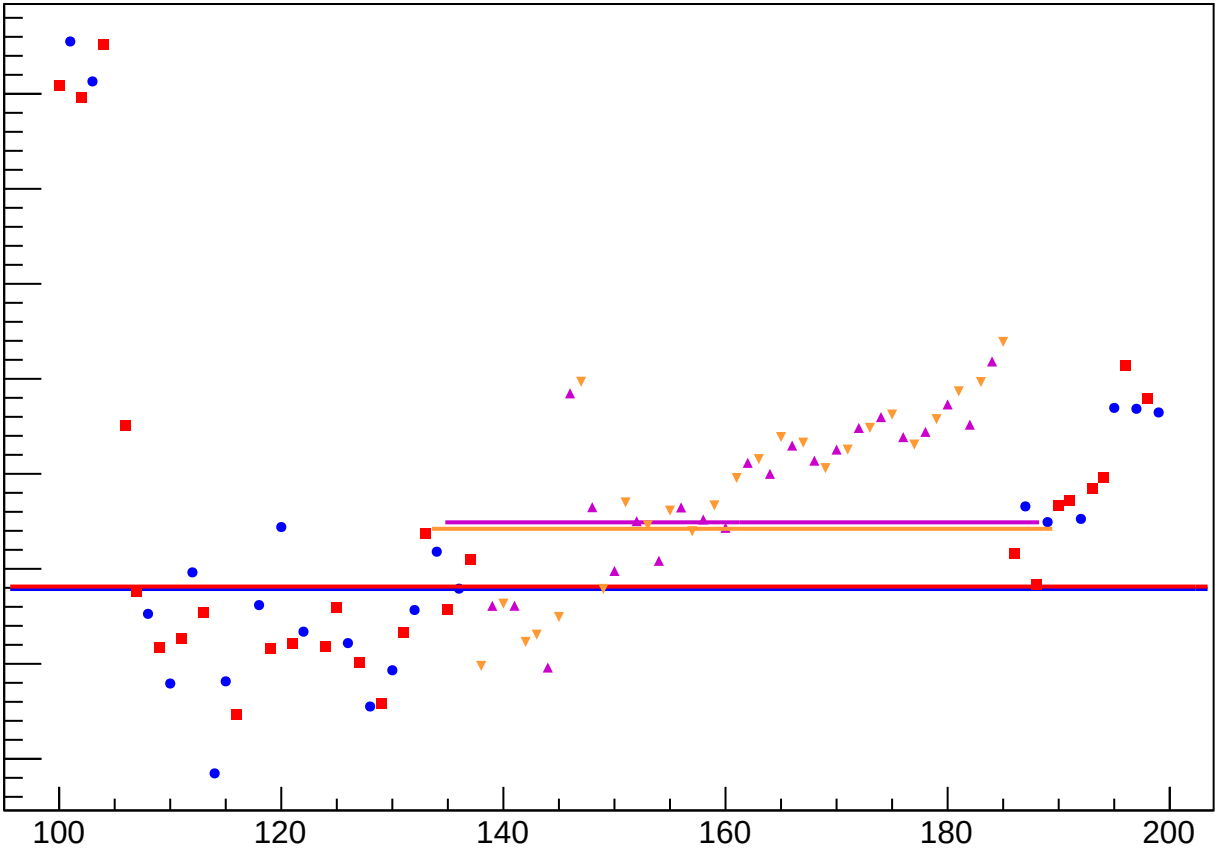
Right: 144.517+/-0.000 χ^2/NDF: 11479623922.0/48

In: 145.987+/-0.000 χ^2/NDF:4502071248.9/44

Out: 145.425+/-0.000 χ^2/NDF:8689384960.8/51

All: 145.693+/-0.000 χ^2/NDF: 13216439253.

yield_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 0.379+/-0.000 χ^2/NDF: 2162990.4/21

Left Out: 0.442+/-0.000 χ^2/NDF:1676682.9/24

Right Out: 0.381+/-0.000 χ^2/NDF: 2034508.6/26

Left In: 0.449+/-0.000 χ^2/NDF:1300658.3/22

Left: 0.445+/-0.000 χ^2/NDF: 2981452.0/47

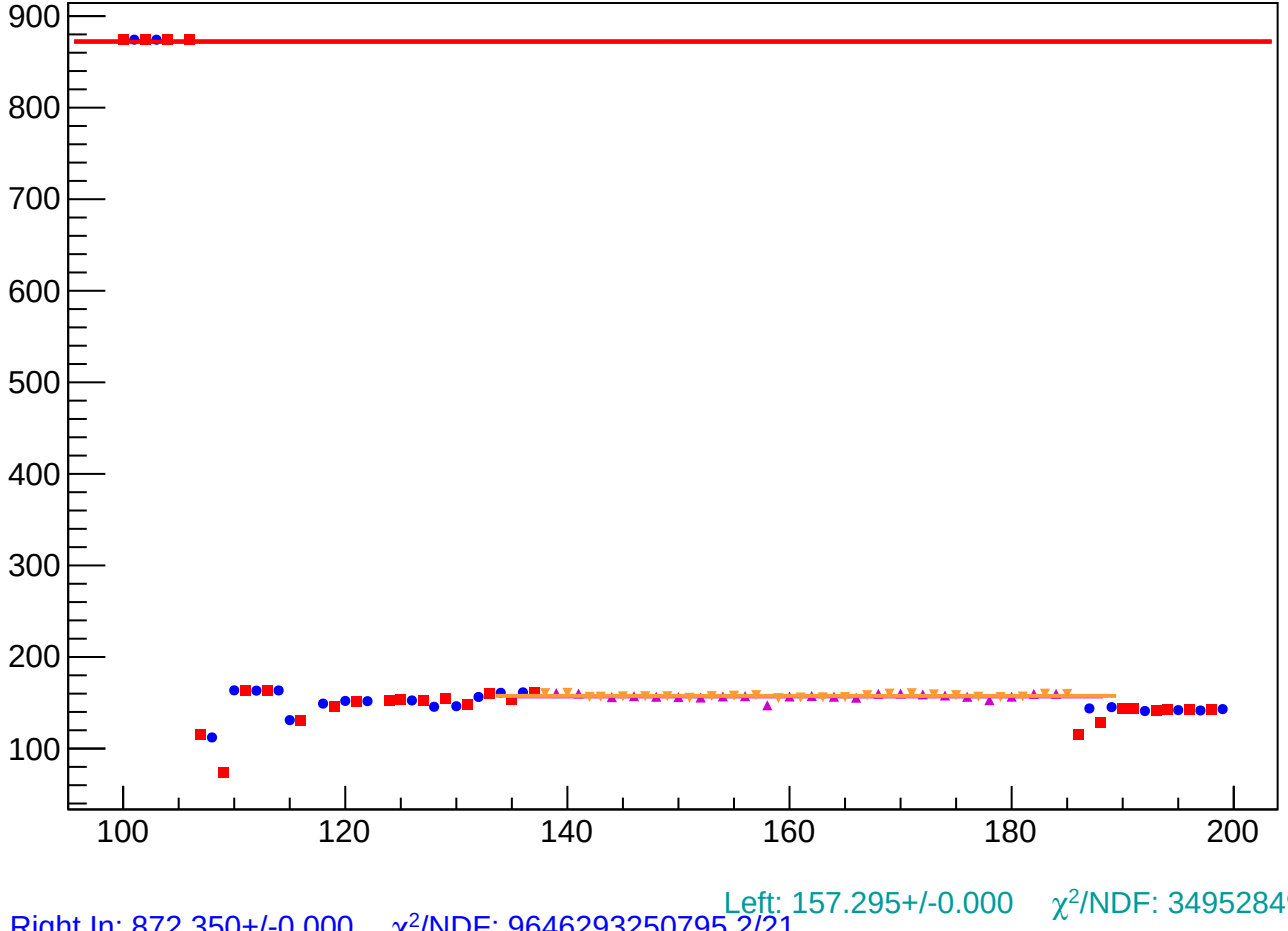
Right: 0.380+/-0.000 χ^2/NDF: 4197973.0/48

In: 0.418+/-0.000 χ^2/NDF:3830587.3/44

Out: 0.415+/-0.000 χ^2/NDF:4013162.1/51

All: 0.416+/-0.000 χ^2/NDF: 7845348.6/96

yield_cav4bQ_mean vs Slug, Sign Corrected



Right In: 872.350+/-0.000 χ^2/NDF: 9646293250795.2/21

Left Out: 157.566+/-0.000 χ^2/NDF:104641292.0/24

Right Out: 871.978+/-0.000 χ^2/NDF: 13388606156356.6/26

Left In: 157.013+/-0.000 χ^2/NDF:239819941.9/22

Left: 157.295+/-0.000 χ^2/NDF: 349528490.6/47

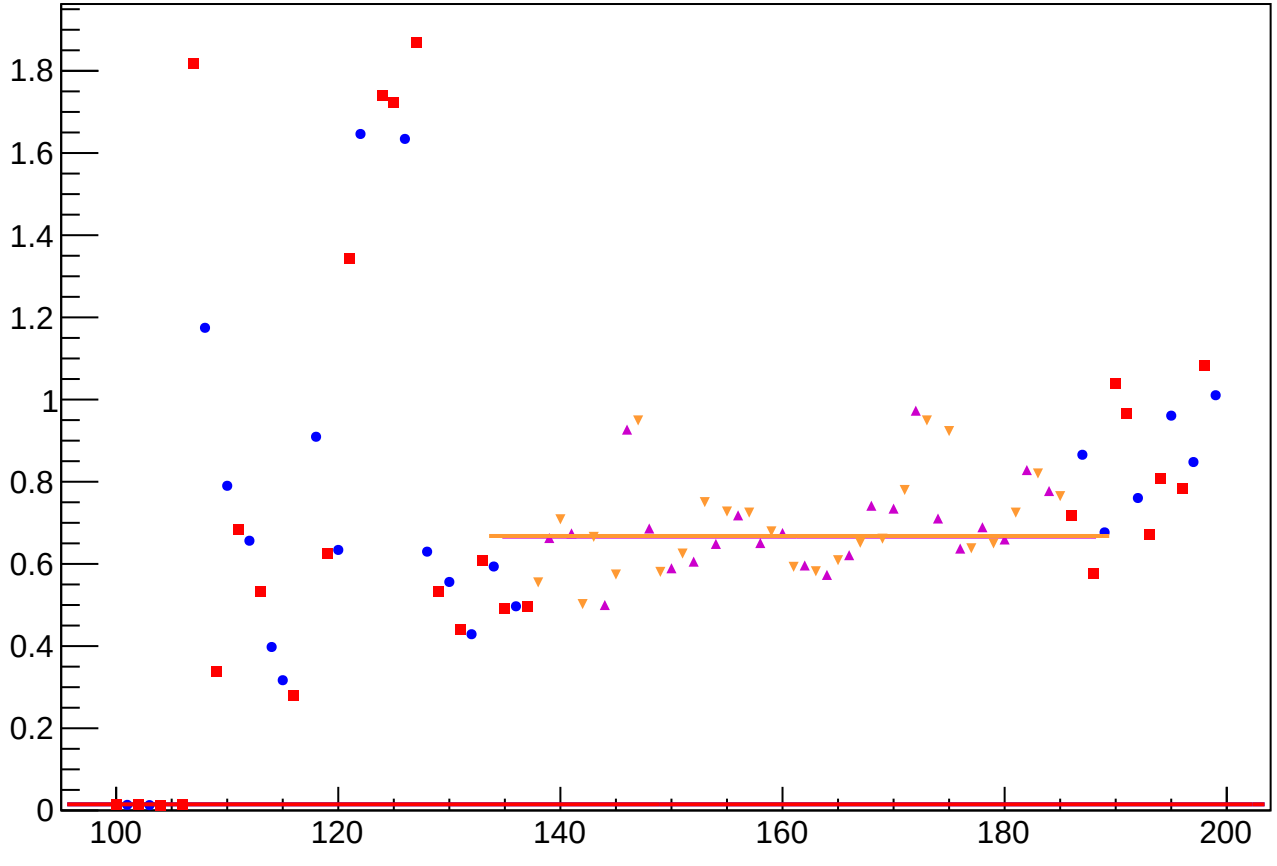
Right: 872.151+/-0.000 χ^2/NDF: 23035428346684.

In: 869.113+/-0.000 χ^2/NDF:26155276150390.2/4

Out: 869.044+/-0.000 χ^2/NDF:30609869986088.2

All: 869.076+/-0.000 χ^2/NDF: 567651643055

yield_cav4bQ_rms vs Slug, Sign Corrected



Right In: 0.015+/-0.000 χ^2/NDF: 15961222.4/21

Left Out: 0.668+/-0.000 χ^2/NDF:681720.2/24

Right Out: 0.015+/-0.000 χ^2/NDF: 17730943.6/26

Left In: 0.666+/-0.000 χ^2/NDF:536078.9/22

Left: 0.667+/-0.000 χ^2/NDF: 1217874.8/47

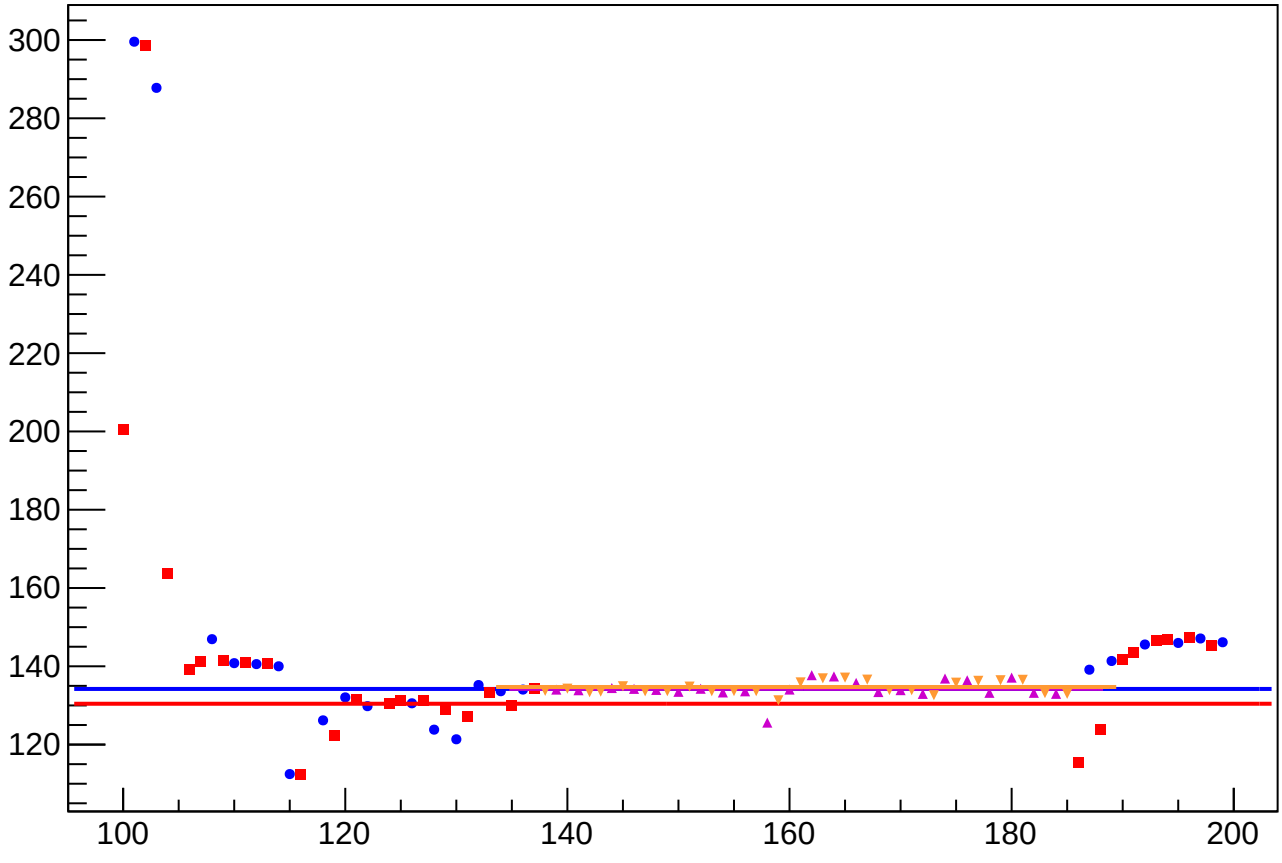
Right: 0.015+/-0.000 χ^2/NDF: 33692166.3/48

In: 0.018+/-0.000 χ^2/NDF:43889013.5/44

Out: 0.018+/-0.000 χ^2/NDF:47193039.6/51

All: 0.018+/-0.000 χ^2/NDF: 91082574.1/96

yield_cav4cQ_mean vs Slug, Sign Corrected



Right In: 134.214+/-0.000 χ^2/NDF: 2880519234.0/21

Left Out: 134.714+/-0.000 χ^2/NDF:159886495.0/24

Right Out: 130.433+/-0.000 χ^2/NDF: 4058899199.3/26

Left In: 134.250+/-0.000 χ^2/NDF:441522664.4/22

Left: 134.494+/-0.000 χ^2/NDF: 608238403.3/47

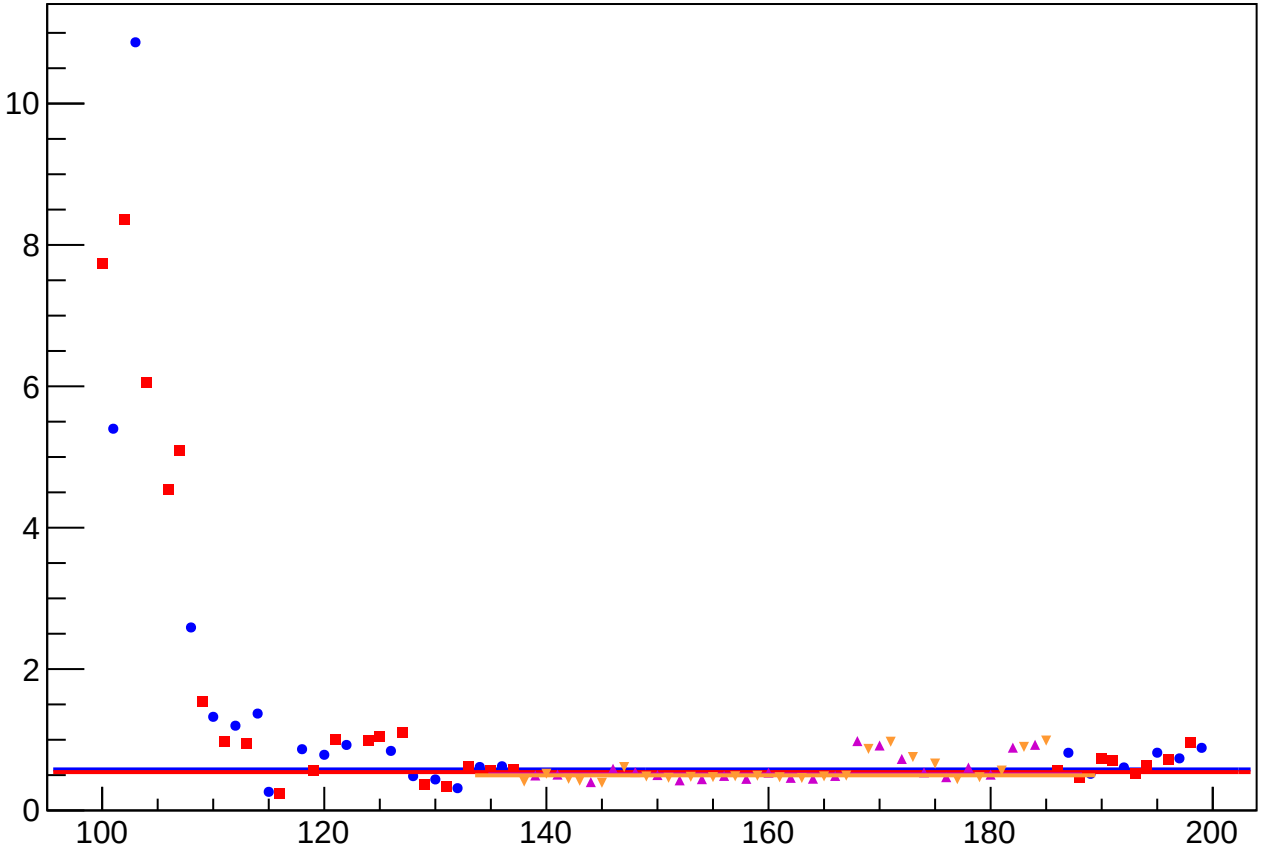
Right: 132.090+/-0.000 χ^2/NDF: 7102567580.2/48

In: 134.241+/-0.000 χ^2/NDF:3322061197.2/44

Out: 133.514+/-0.000 χ^2/NDF:4562327975.6/51

All: 133.852+/-0.000 χ^2/NDF: 7907198982.3

yield_cav4cQ_rms vs Slug, Sign Corrected



Right In: 0.580+/-0.000 χ^2/NDF: 4624116.9/21

Left Out: 0.497+/-0.000 χ^2/NDF:1572512.9/24

Right Out: 0.543+/-0.000 χ^2/NDF: 5429096.6/26

Left In: 0.510+/-0.000 χ^2/NDF:1485489.4/22

Left: 0.503+/-0.000 χ^2/NDF: 3068206.7/47

Right: 0.559+/-0.000 χ^2/NDF: 10085872.6/48

In: 0.527+/-0.000 χ^2/NDF:6262113.4/44

Out: 0.510+/-0.000 χ^2/NDF:7079828.6/51

All: 0.518+/-0.000 χ^2/NDF: 13368996.6/96

yield_cav4dQ_mean vs Slug, Sign Corrected

Right In: 1798.156+/-0.000 χ^2/NDF: 186171651299855.8/21

Left Out: 137.578+/-0.000 χ^2/NDF:64111345.2/24

Right Out: 1814.152+/-0.000 χ^2/NDF: 202407237712079.8/26

Left In: 137.349+/-0.000 χ^2/NDF:248752254.7/22

Left: 137.469+/-0.000 χ^2/NDF: 315189054.5/47

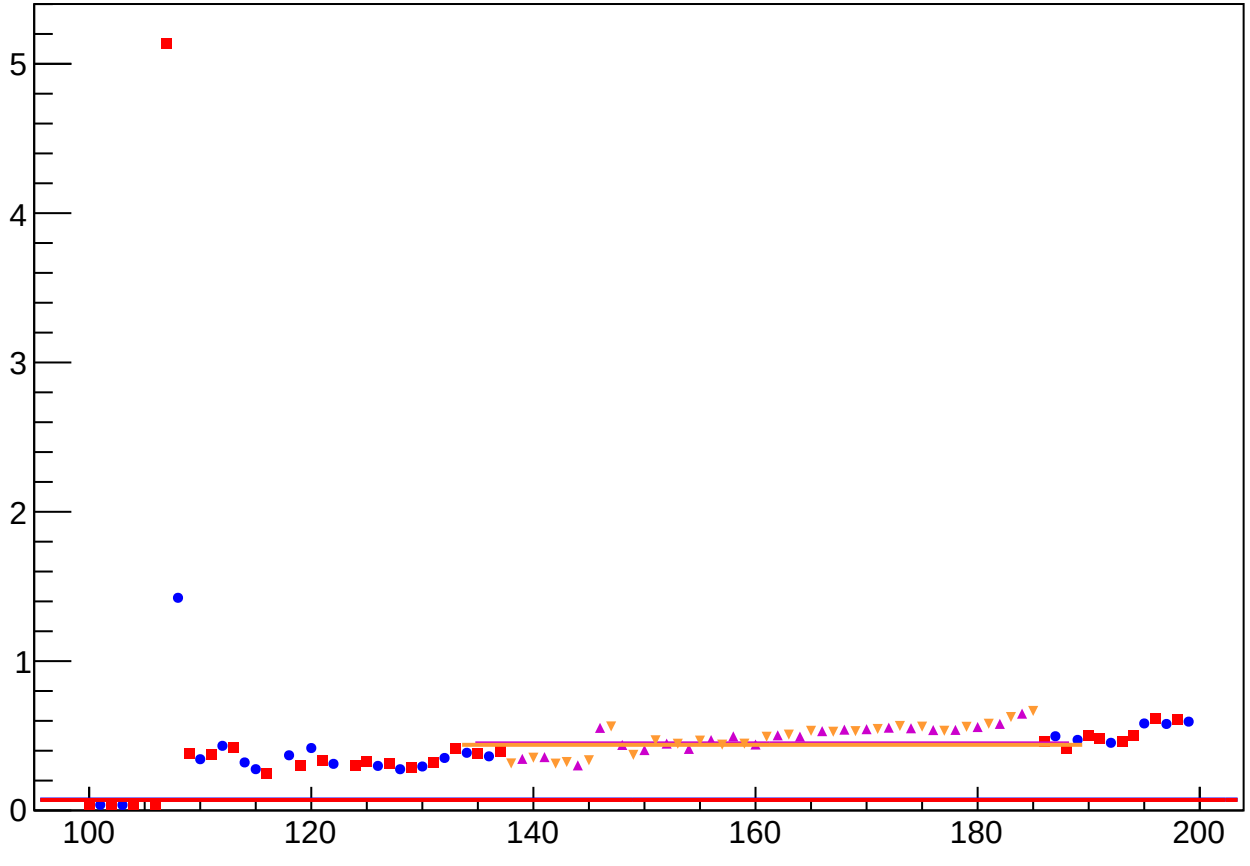
Right: 1806.795+/-0.000 χ^2/NDF: 3886596888918

In: 1587.612+/-0.000 χ^2/NDF:390617907363875.

Out: 1614.420+/-0.000 χ^2/NDF:432295818510487

All: 1602.032+/-0.000 χ^2/NDF: 8231725570

yield_cav4dQ_rms vs Slug, Sign Corrected



Right In: 0.073+/-0.000 χ^2/NDF: 14246051.3/21

Left Out: 0.440+/-0.000 χ^2/NDF:1765604.0/24

Right Out: 0.070+/-0.000 χ^2/NDF: 15453318.1/26

Left In: 0.449+/-0.000 χ^2/NDF:1340860.2/22

Left: 0.444+/-0.000 χ^2/NDF: 3114822.4/47

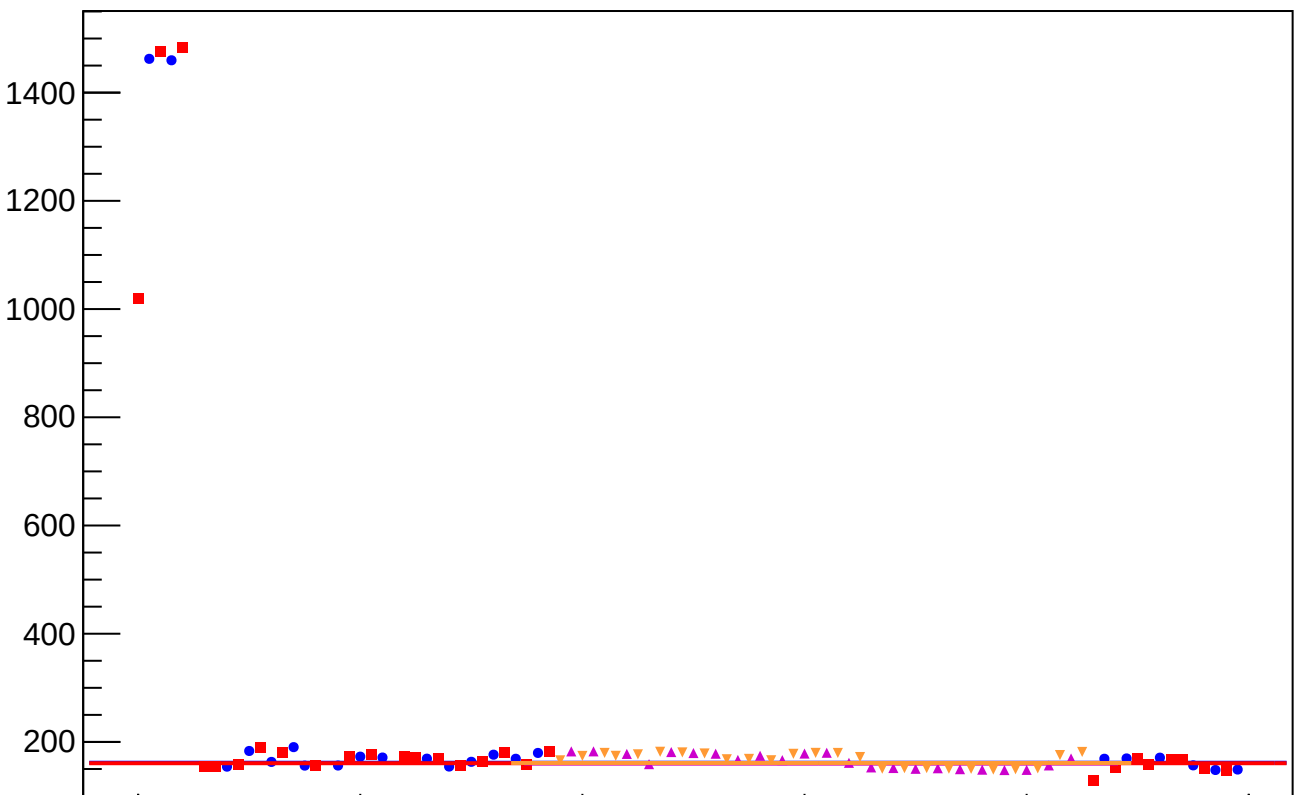
Right: 0.072+/-0.000 χ^2/NDF: 29704328.8/48

In: 0.121+/-0.000 χ^2/NDF:36563303.7/44

Out: 0.114+/-0.000 χ^2/NDF:39522174.3/51

All: 0.117+/-0.000 χ^2/NDF: 76115903.6/96

yield_bcm0l02_mean vs Slug, Sign Corrected



Right In: 161.581+/-0.000 χ^2/NDF: 15490801064.1/21

Left Out: 161.147+/-0.000 χ^2/NDF:3739064587.8/24

Right Out: 160.678+/-0.000 χ^2/NDF: 17803370690.4/26

Left In: 160.140+/-0.000 χ^2/NDF:3738383186.1/22

Left: 160.653+/-0.000 χ^2/NDF: 7489655459.9/47

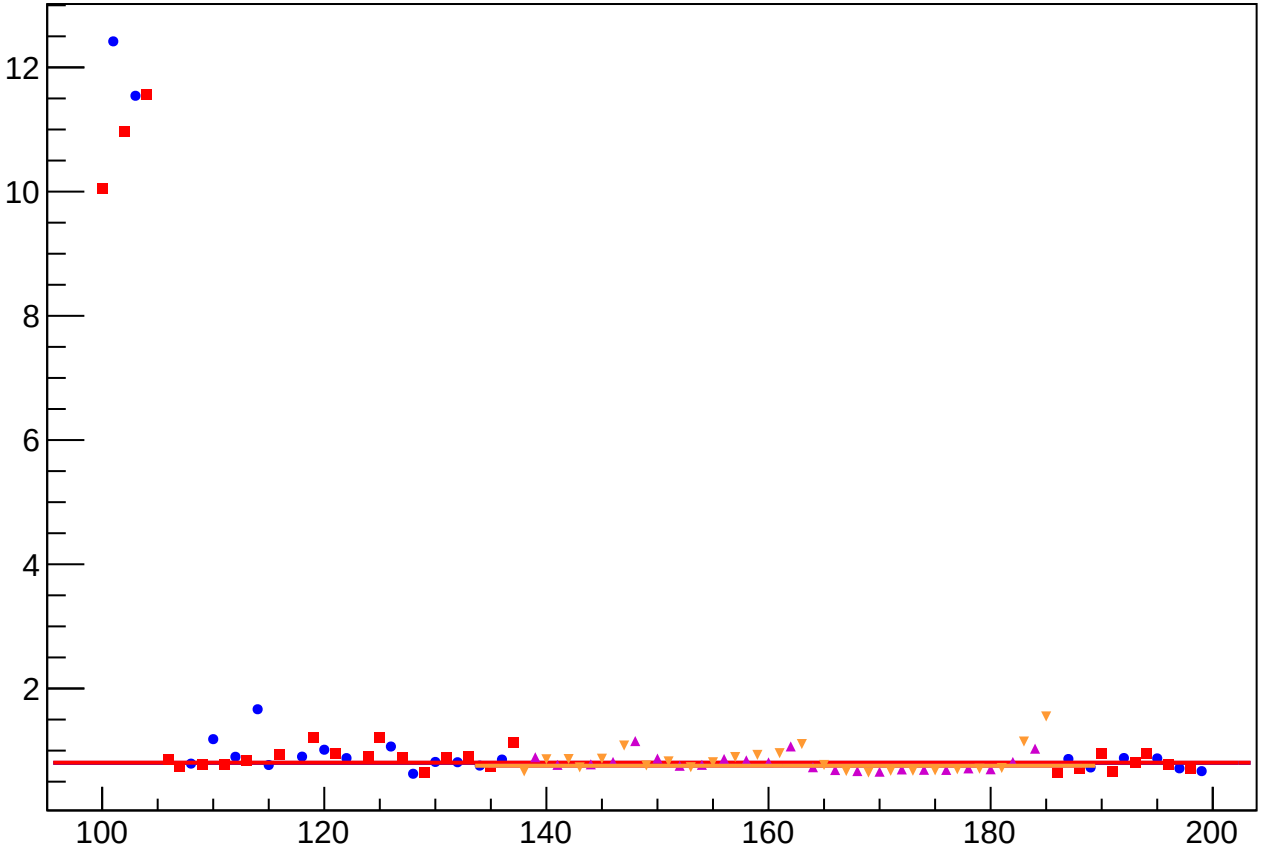
Right: 161.104+/-0.000 χ^2/NDF: 33299135138.9/48

In: 160.613+/-0.000 χ^2/NDF:19245271215.2/44

Out: 160.985+/-0.000 χ^2/NDF:21544298130.6/51

All: 160.805+/-0.000 χ^2/NDF: 40792083794.

yield_bcm0l02_rms vs Slug, Sign Corrected



Right In: 0.802+/-0.000 χ^2/NDF: 2451649.9/21

Left Out: 0.756+/-0.000 χ^2/NDF:750259.3/24

Right Out: 0.806+/-0.000 χ^2/NDF: 2406099.1/26

Left In: 0.755+/-0.000 χ^2/NDF:472792.1/22

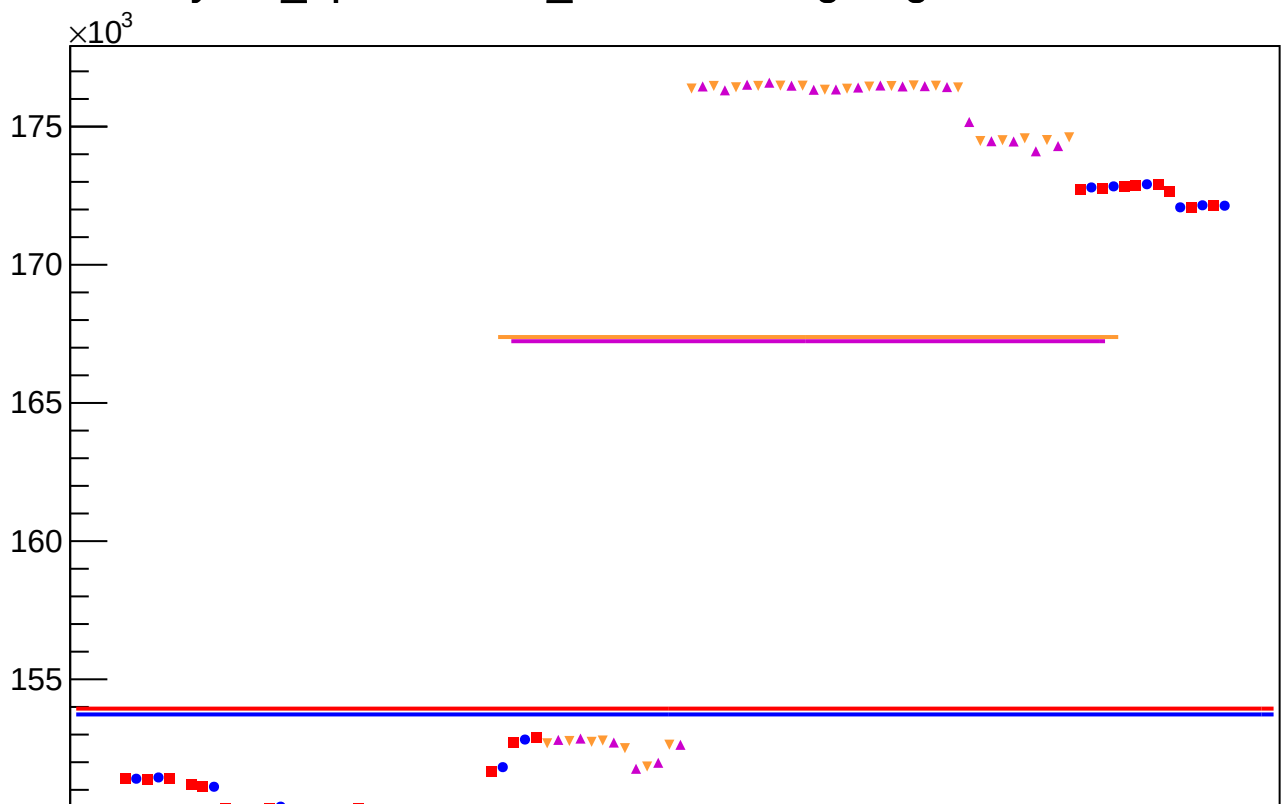
Left: 0.756+/-0.000 χ^2/NDF: 1223069.5/47

Right: 0.804+/-0.000 χ^2/NDF: 4857909.9/48

In: 0.771+/-0.000 χ^2/NDF:2958303.4/44

Out: 0.773+/-0.000 χ^2/NDF:3197842.5/51

All: 0.772+/-0.000 χ^2/NDF: 6156391.3/96



Right In: 153728.597+/-0.051 χ^2/NDF: 23403944665.2/21

Left Out: 167385.483+/-0.047 χ^2/NDF:59602607546.2/24

Right Out: 153939.722+/-0.047 χ^2/NDF: 28815610128.8/26

Left In: 167234.214+/-0.049 χ^2/NDF:55099214555.0/22

Left: 167313.229+/-0.034 χ^2/NDF: 114706826739.

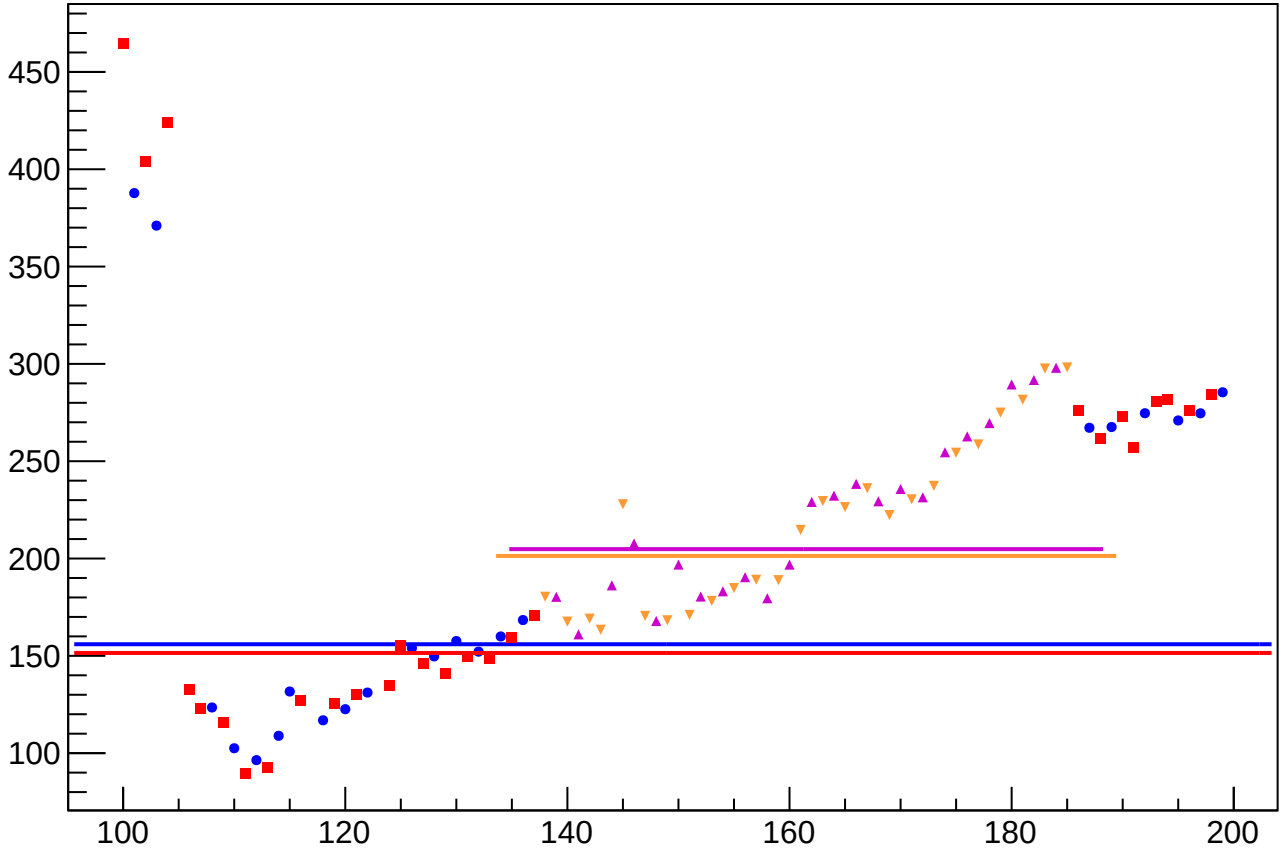
Right: 153841.954+/-0.034 χ^2/NDF: 52228935860.

In: 160704.044+/-0.035 χ^2/NDF:115430671756.0

Out: 160687.720+/-0.033 χ^2/NDF:129654300147.

All: 160695.400+/-0.024 χ^2/NDF: 24508508

yield_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 155.961+/-0.036 χ^2/NDF: 3287749.6/21

Left Out: 201.329+/-0.033 χ^2/NDF:1230655.6/24

Right Out: 151.481+/-0.033 χ^2/NDF: 4130271.7/26

Left In: 204.826+/-0.035 χ^2/NDF:1053130.7/22

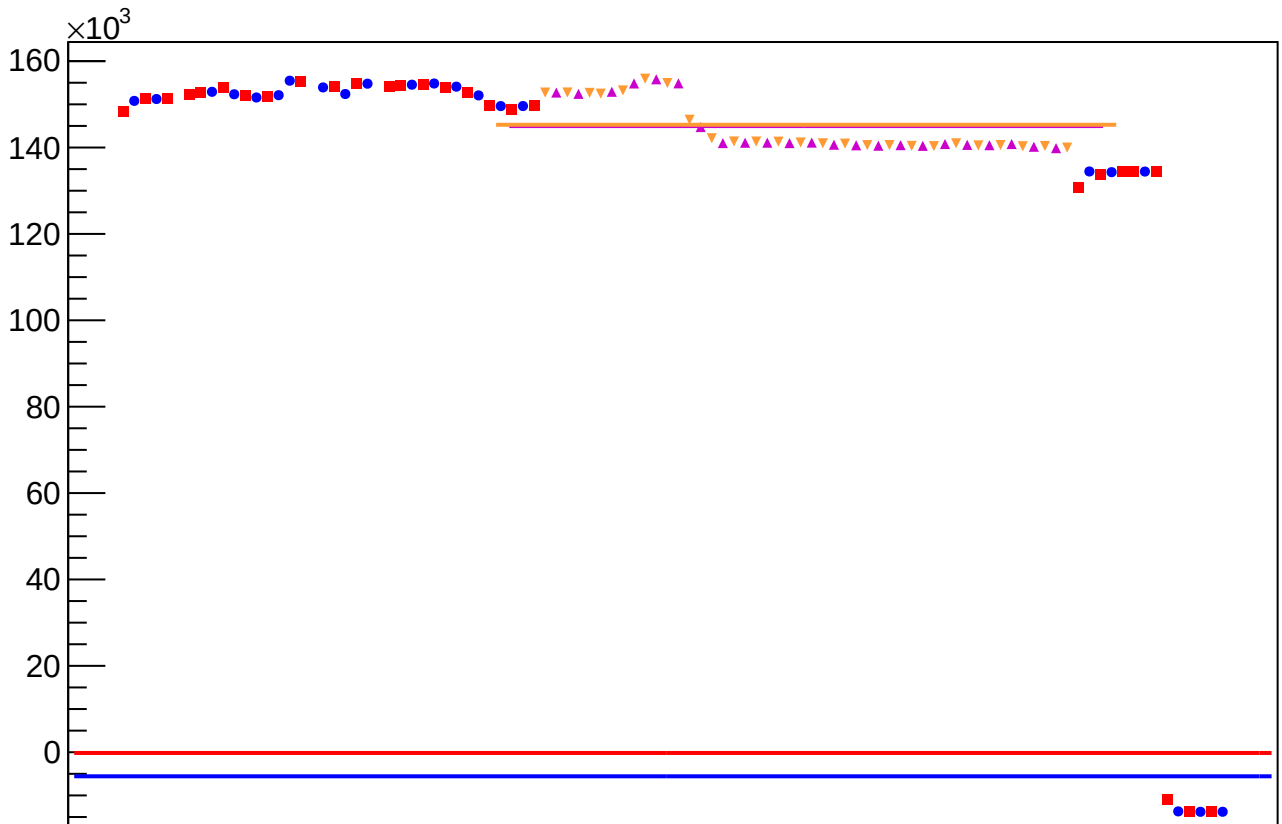
Left: 202.999+/-0.024 χ^2/NDF: 2289136.5/47

Right: 153.556+/-0.024 χ^2/NDF: 7426468.7/48

In: 181.199+/-0.025 χ^2/NDF:5307689.7/44

Out: 176.498+/-0.023 χ^2/NDF:6494417.3/51

All: 178.710+/-0.017 χ^2/NDF: 11821079.8/96



Right In: -5572.506+/-0.015 χ^2/NDF: 5684025101294.0/21

Left Out: 145269.857+/-0.049 χ^2/NDF:13706269279.5/24

Right Out: -169.812+/-0.017 χ^2/NDF: 6697584392431.8/26

Left In: 144966.398+/-0.051 χ^2/NDF:13154547043.3/22

Left: 145123.606+/-0.036 χ^2/NDF: 26879011850.5

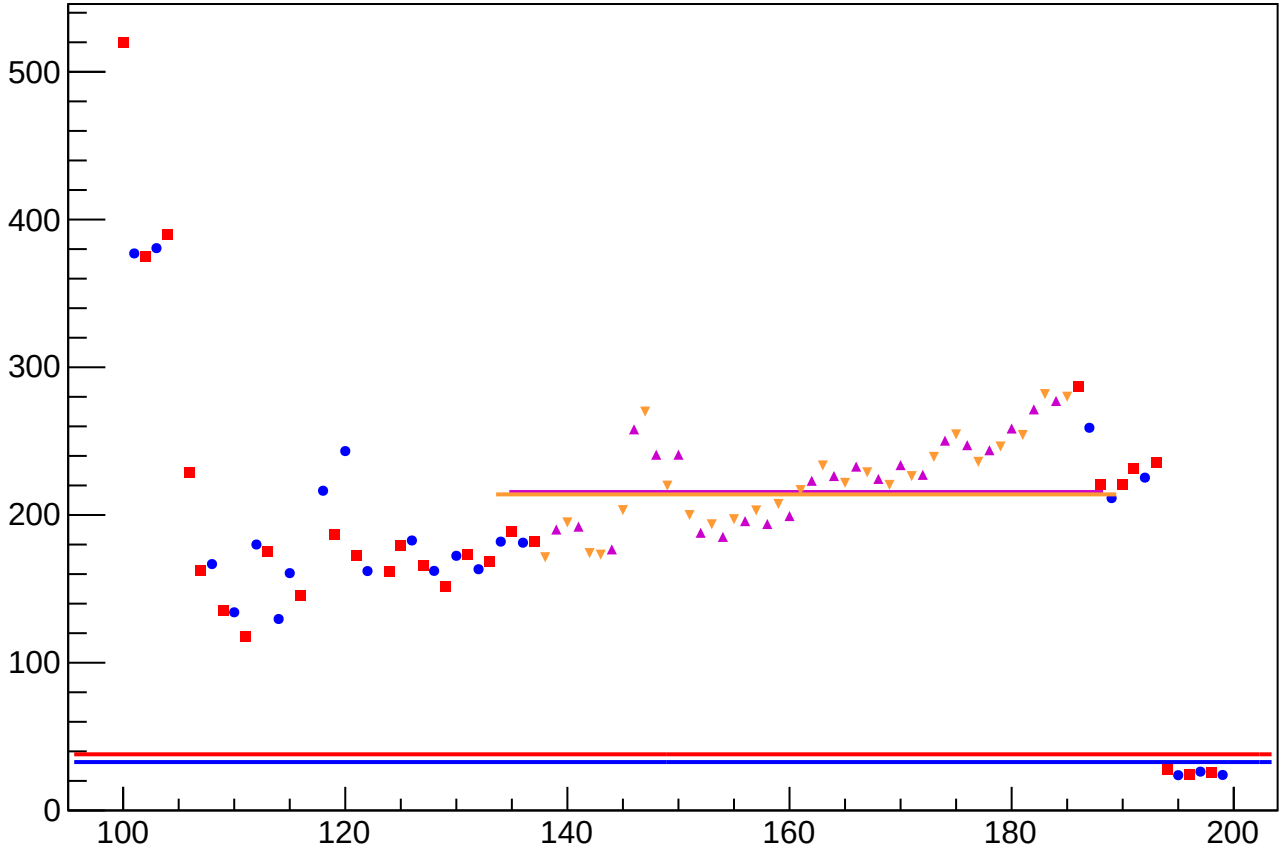
Right: -3229.456+/-0.011 χ^2/NDF: 1243811192687

In: 6278.406+/-0.014 χ^2/NDF:13660159930731.7

Out: 15406.532+/-0.016 χ^2/NDF:14454739834526

All: 10307.384+/-0.011 χ^2/NDF: 2829308086

yield_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 32.753+/-0.011 χ^2/NDF: 12252525.2/21

Left Out: 213.951+/-0.035 χ^2/NDF:650607.8/24

Right Out: 38.011+/-0.012 χ^2/NDF: 13485719.8/26

Left In: 215.539+/-0.036 χ^2/NDF:600575.7/22

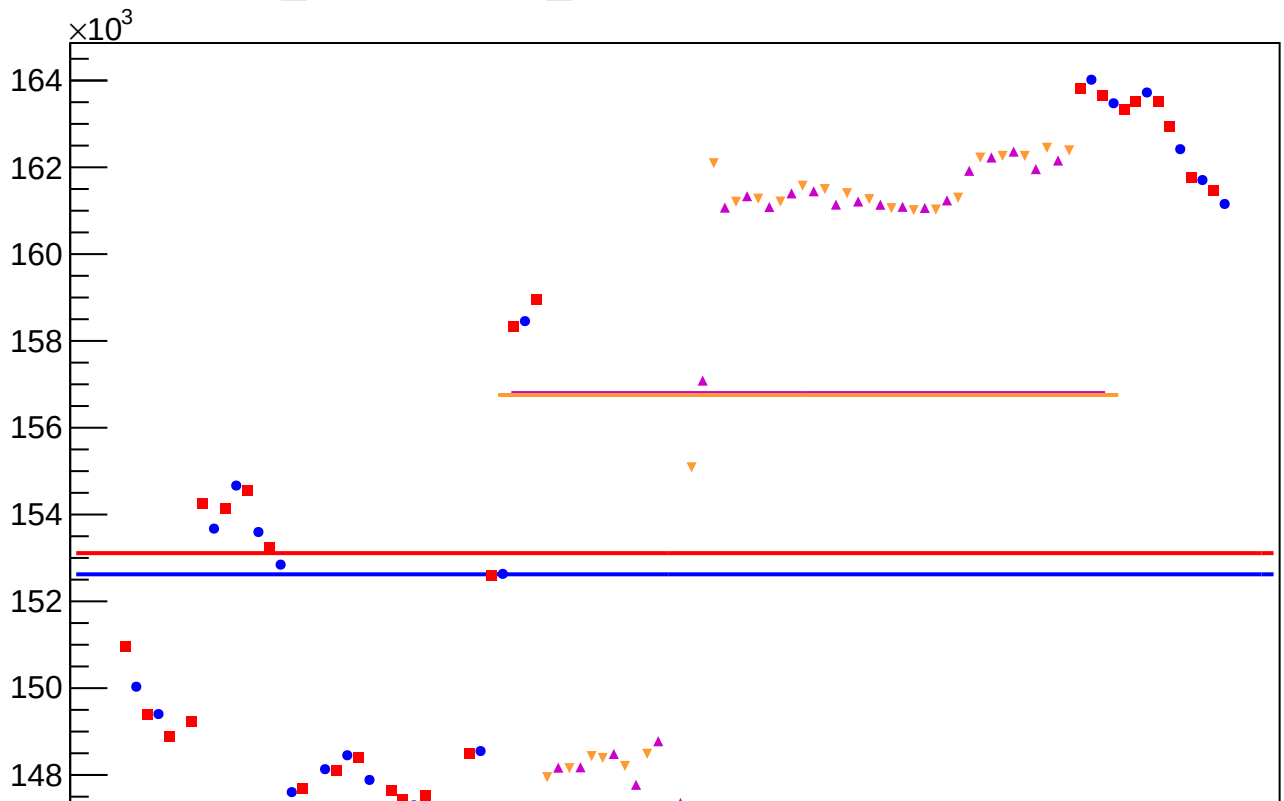
Left: 214.716+/-0.025 χ^2/NDF: 1252179.3/47

Right: 35.033+/-0.008 χ^2/NDF: 25845269.2/48

In: 47.143+/-0.010 χ^2/NDF:36332727.5/44

Out: 56.854+/-0.011 χ^2/NDF:36799918.8/51

All: 51.429+/-0.008 χ^2/NDF: 73535990.5/96



Right In: 152622.730+/-0.058 χ^2/NDF: 8967481903.7/21

Left Out: 156754.233+/-0.049 χ^2/NDF:16380807583.4/24

Right Out: 153110.860+/-0.055 χ^2/NDF: 10217382434.0/26

Left In: 156798.005+/-0.051 χ^2/NDF:14344098884.4/22

Left: 156775.103+/-0.035 χ^2/NDF: 30725292627.5

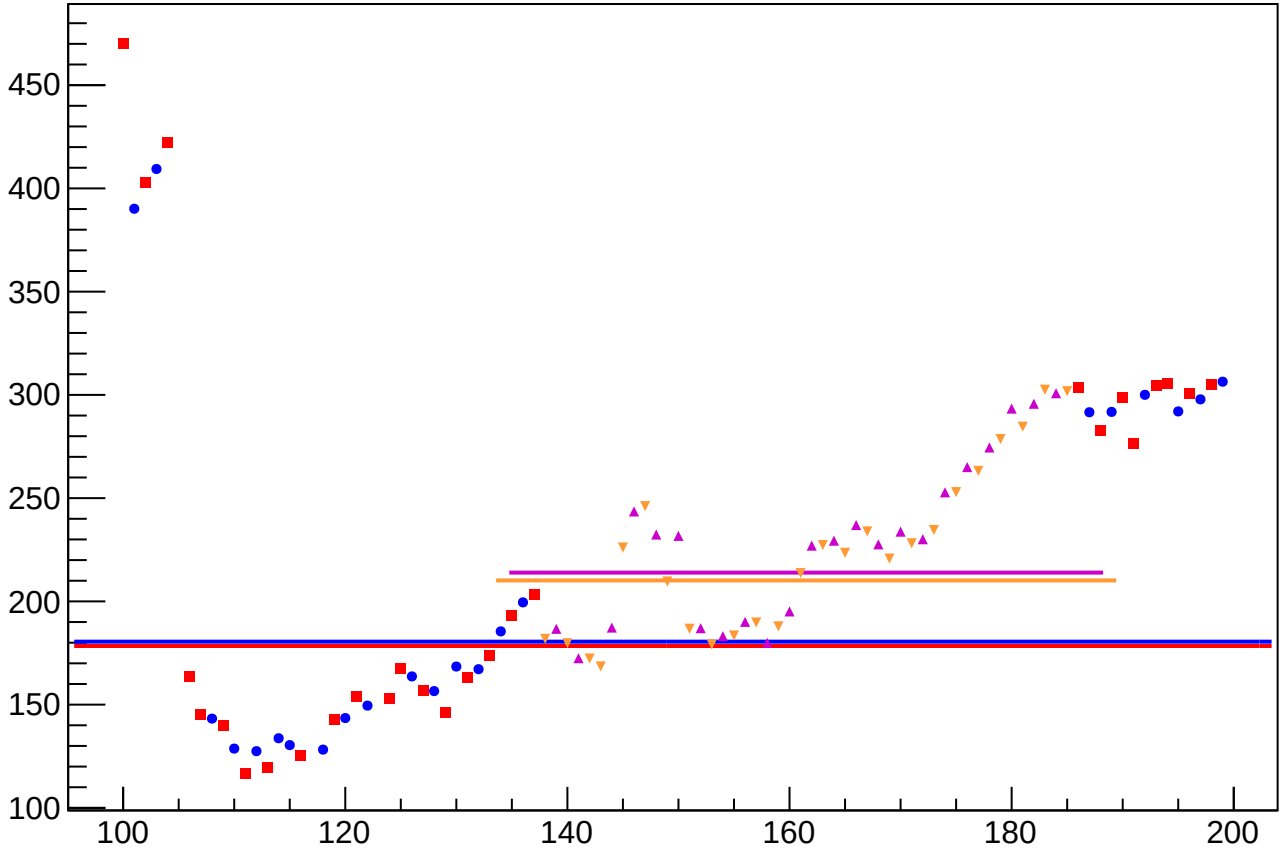
Right: 152880.433+/-0.040 χ^2/NDF: 19222724698.

In: 154966.624+/-0.038 χ^2/NDF:26257039091.3/

Out: 155139.099+/-0.036 χ^2/NDF:29085557534.8

All: 155057.224+/-0.026 χ^2/NDF: 55353189

yield_bpm0i01WS_rms vs Slug, Sign Corrected



Right In: 180.496+/-0.041 χ^2/NDF: 2776240.6/21

Left Out: 210.142+/-0.034 χ^2/NDF:997802.7/24

Right Out: 178.400+/-0.039 χ^2/NDF: 3330906.7/26

Left In: 213.945+/-0.036 χ^2/NDF:914465.3/22

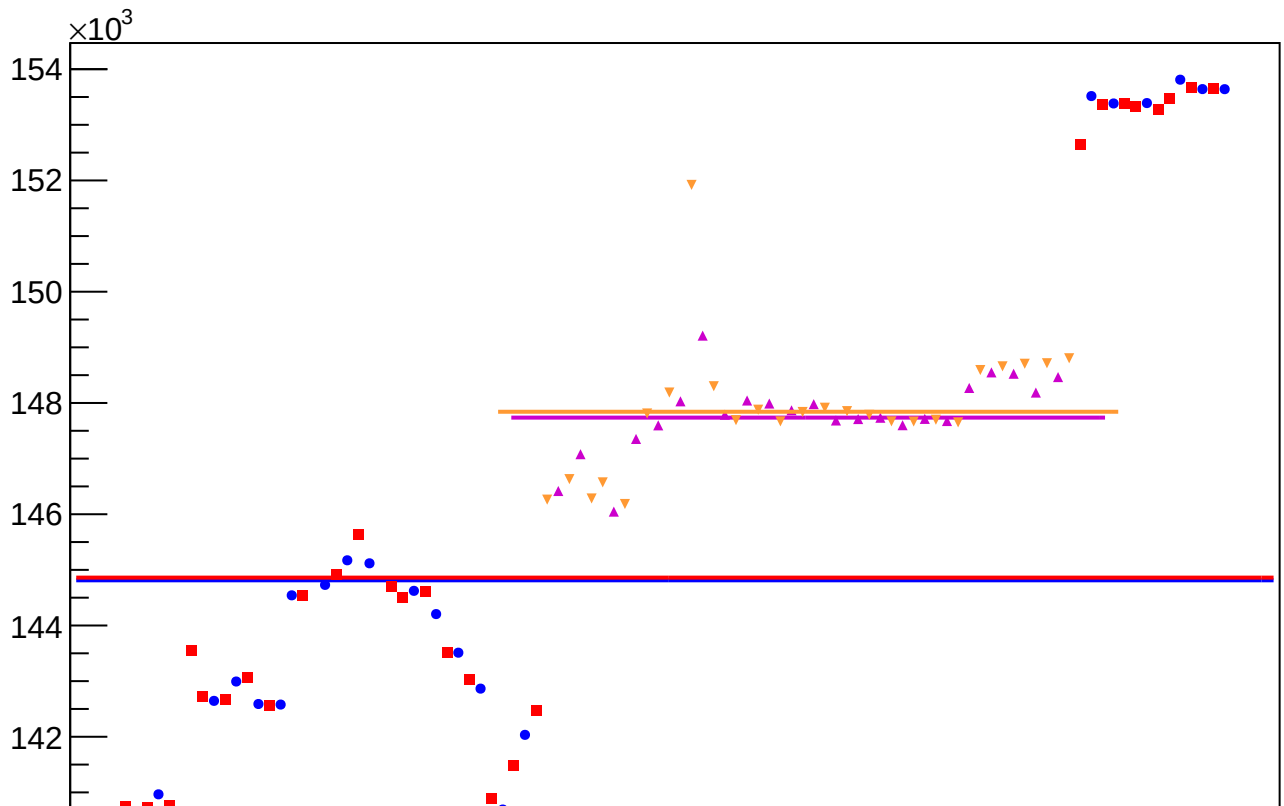
Left: 211.955+/-0.025 χ^2/NDF: 1918098.0/47

Right: 179.390+/-0.028 χ^2/NDF: 6108544.3/48

In: 199.274+/-0.027 χ^2/NDF:4068776.7/44

Out: 196.070+/-0.026 χ^2/NDF:4706316.5/51

All: 197.591+/-0.019 χ^2/NDF: 8782490.0/96



Right In: 144812.328+/-0.049 χ^2/NDF: 5987362687.3/21

Left Out: 147842.157+/-0.045 χ^2/NDF:713066054.2/24

Right Out: 144860.809+/-0.046 χ^2/NDF: 7067378861.2/26

Left In: 147736.722+/-0.047 χ^2/NDF:227077133.0/22

Left: 147791.782+/-0.033 χ^2/NDF: 942750848.6/47

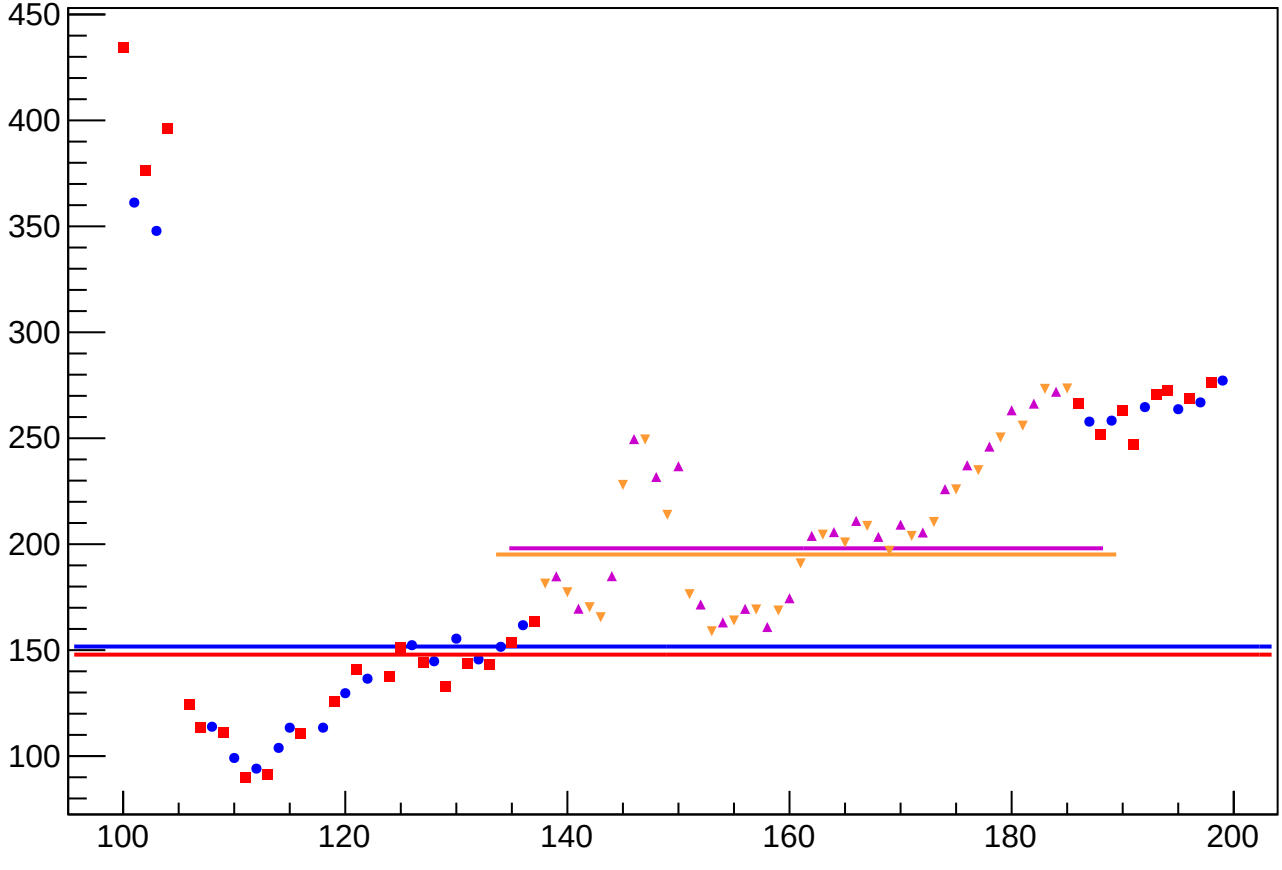
Right: 144838.322+/-0.033 χ^2/NDF: 13055264114.

In: 146332.955+/-0.034 χ^2/NDF:8058410527.8/44

Out: 146369.370+/-0.032 χ^2/NDF:9936248077.6/5

All: 146352.219+/-0.023 χ^2/NDF: 17995264

yield_bpm0i01aWS_rms vs Slug, Sign Corrected



Right In: 151.696+/-0.035 χ^2/NDF: 3234180.1/21

Left Out: 195.145+/-0.032 χ^2/NDF:903994.2/24

Right Out: 147.883+/-0.032 χ^2/NDF: 4005684.7/26

Left In: 198.057+/-0.033 χ^2/NDF:900359.1/22

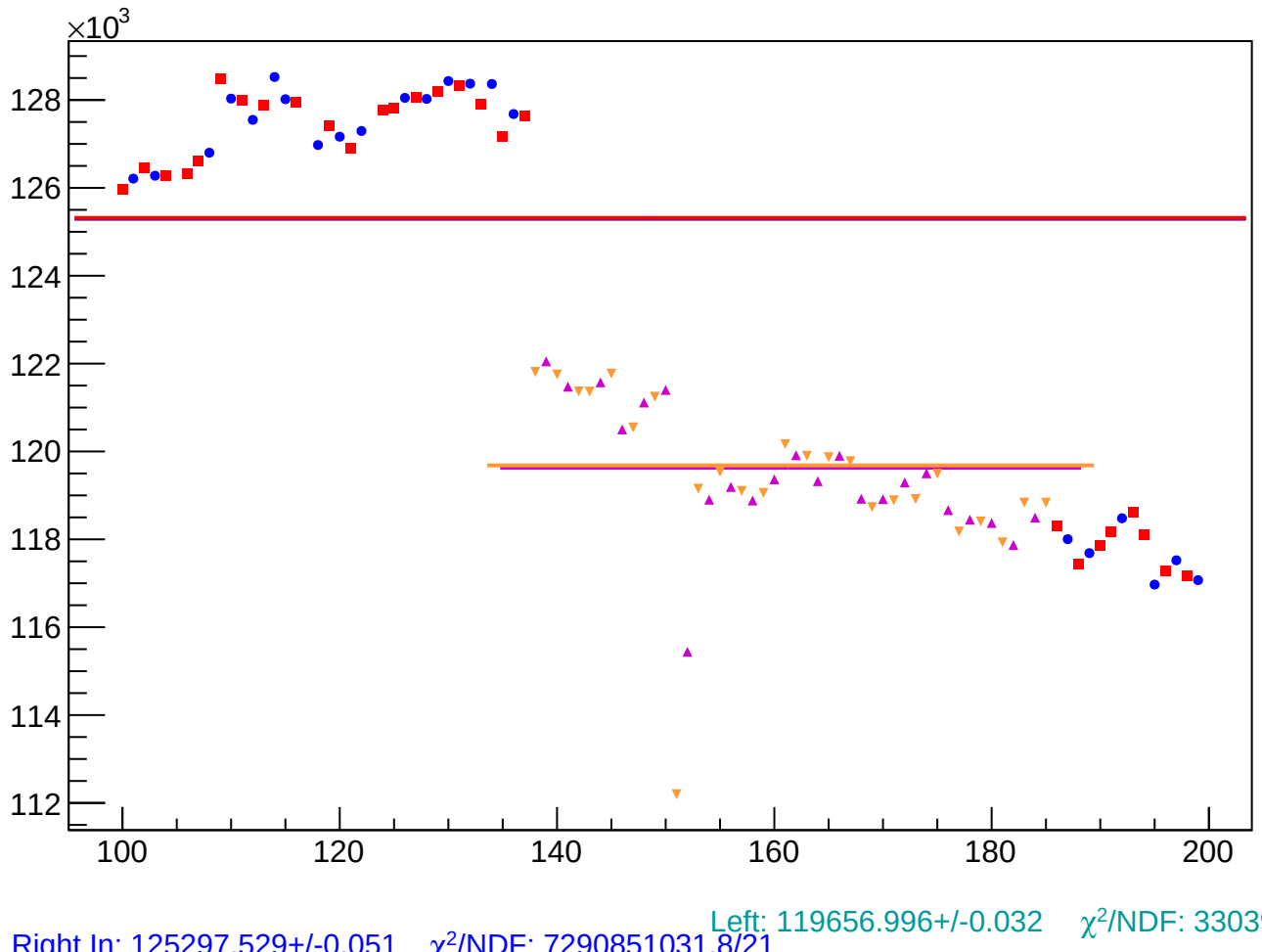
Left: 196.536+/-0.023 χ^2/NDF: 1808329.6/47

Right: 149.651+/-0.024 χ^2/NDF: 7246329.6/48

In: 175.803+/-0.024 χ^2/NDF:5061408.5/44

Out: 171.798+/-0.023 χ^2/NDF:5993235.4/51

All: 173.684+/-0.017 χ^2/NDF: 11069303.5/96



Right In: 125297.529+/-0.051 χ^2/NDF: 7290851031.8/21

Left Out: 119683.519+/-0.044 χ^2/NDF:1985993997.6/24

Right Out: 125314.702+/-0.048 χ^2/NDF: 8151485918.7/26

Left In: 119629.600+/-0.045 χ^2/NDF:1317214801.7/22

Left: 119656.996+/-0.032 χ^2/NDF: 3303938698.8/4

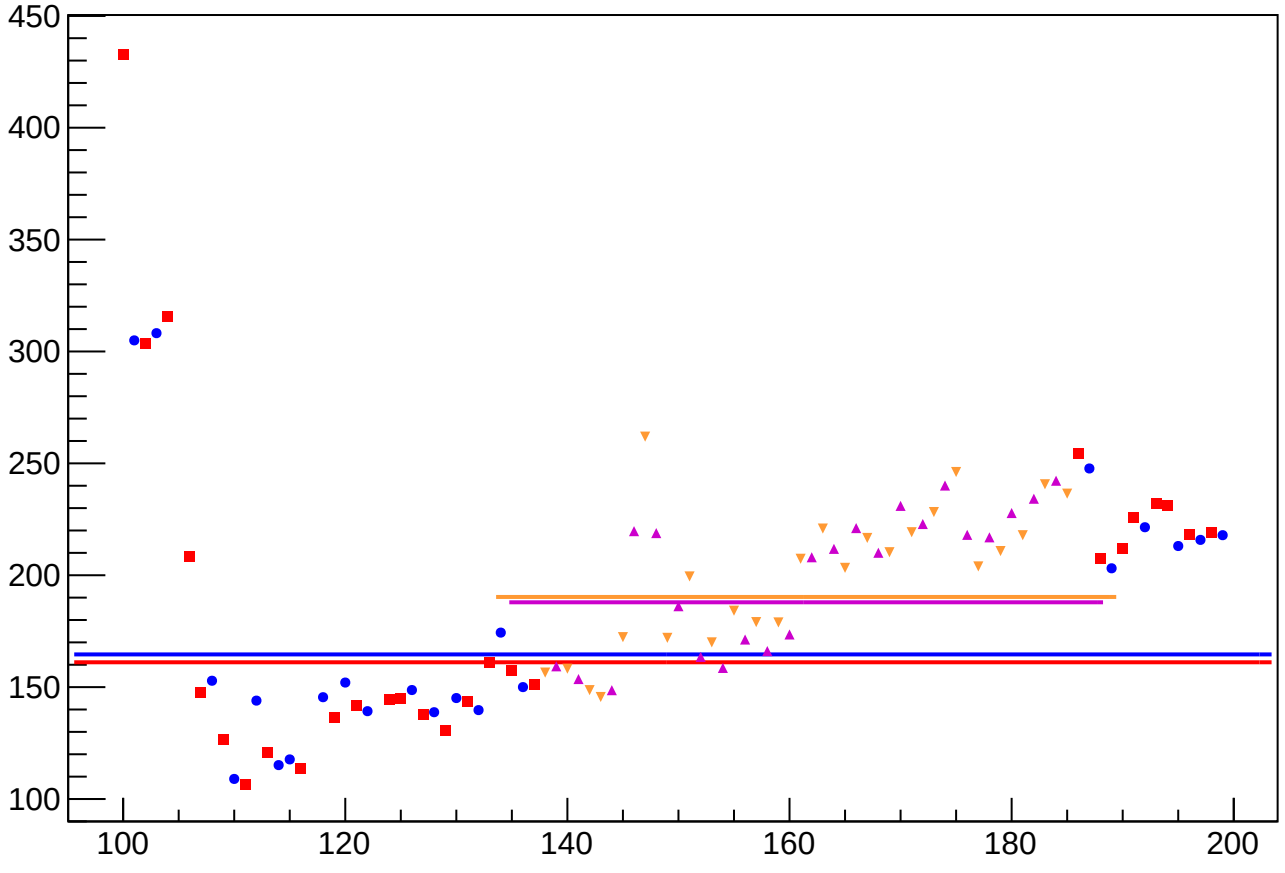
Right: 125306.674+/-0.035 χ^2/NDF: 15442397294.

In: 122109.003+/-0.034 χ^2/NDF:1552087302.4/4

Out: 122283.162+/-0.032 χ^2/NDF:17608939836.9

All: 122199.405+/-0.023 χ^2/NDF: 33174856

yield_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 164.620+/-0.036 χ^2/NDF: 1473776.5/21

Left Out: 190.298+/-0.031 χ^2/NDF:924542.3/24

Right Out: 161.103+/-0.034 χ^2/NDF: 2076795.4/26

Left In: 187.909+/-0.032 χ^2/NDF:926037.0/22

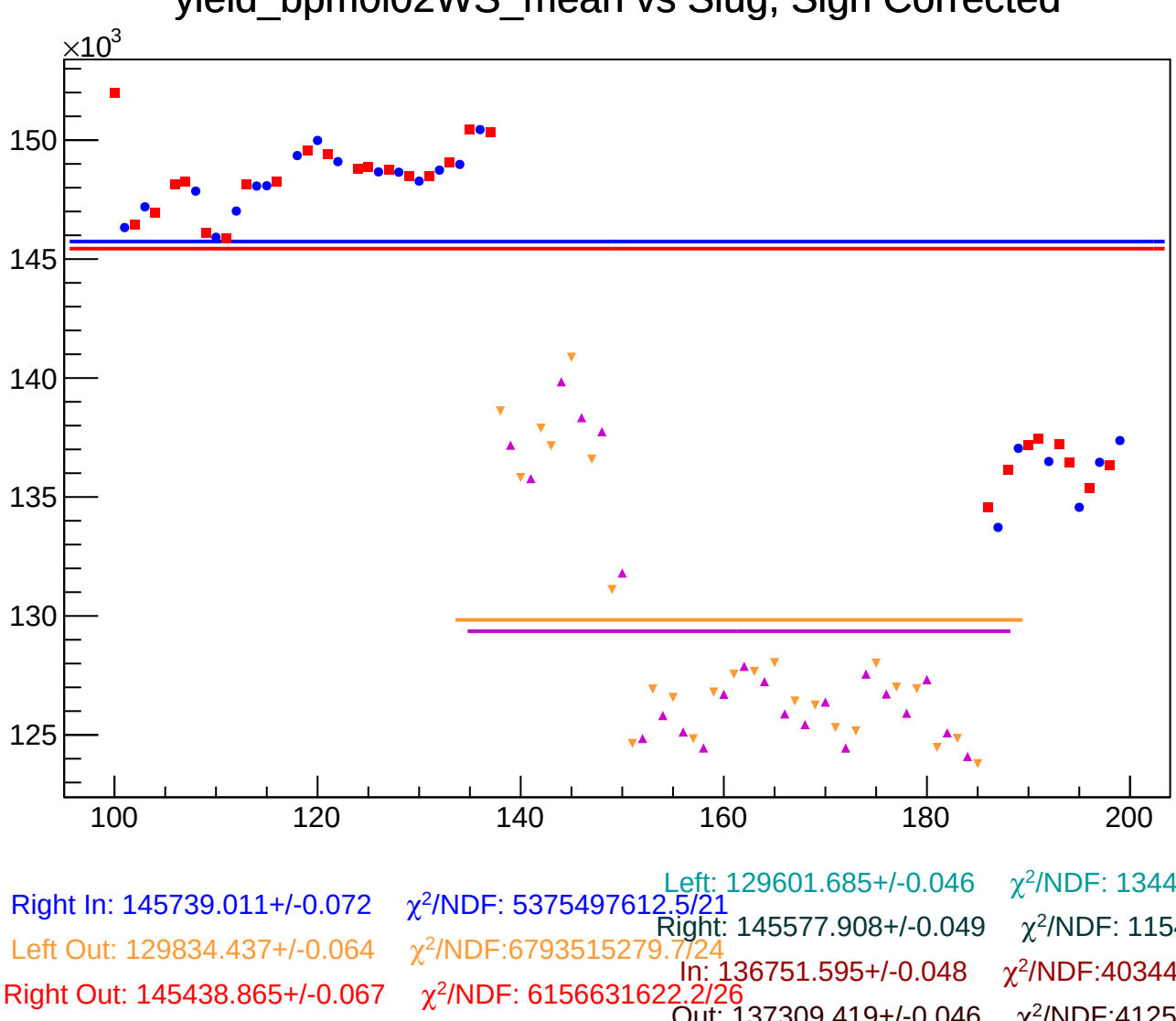
Left: 189.123+/-0.022 χ^2/NDF: 1853444.5/47

Right: 162.747+/-0.025 χ^2/NDF: 3555632.1/48

In: 177.721+/-0.024 χ^2/NDF:2634287.2/44

Out: 176.820+/-0.023 χ^2/NDF:3402971.9/51

All: 177.253+/-0.017 χ^2/NDF: 6037999.6/96



Right In: 145739.011+/-0.072 χ^2/NDF: 5375497612.5/21

Left Out: 129834.437+/-0.064 χ^2/NDF:6793515279.7/24

Right Out: 145438.865+/-0.067 χ^2/NDF: 6156631622.2/26

Left In: 129360.487+/-0.065 χ^2/NDF:6626094577.9/22

Left: 129601.685+/-0.046 χ^2/NDF: 13446375271.9

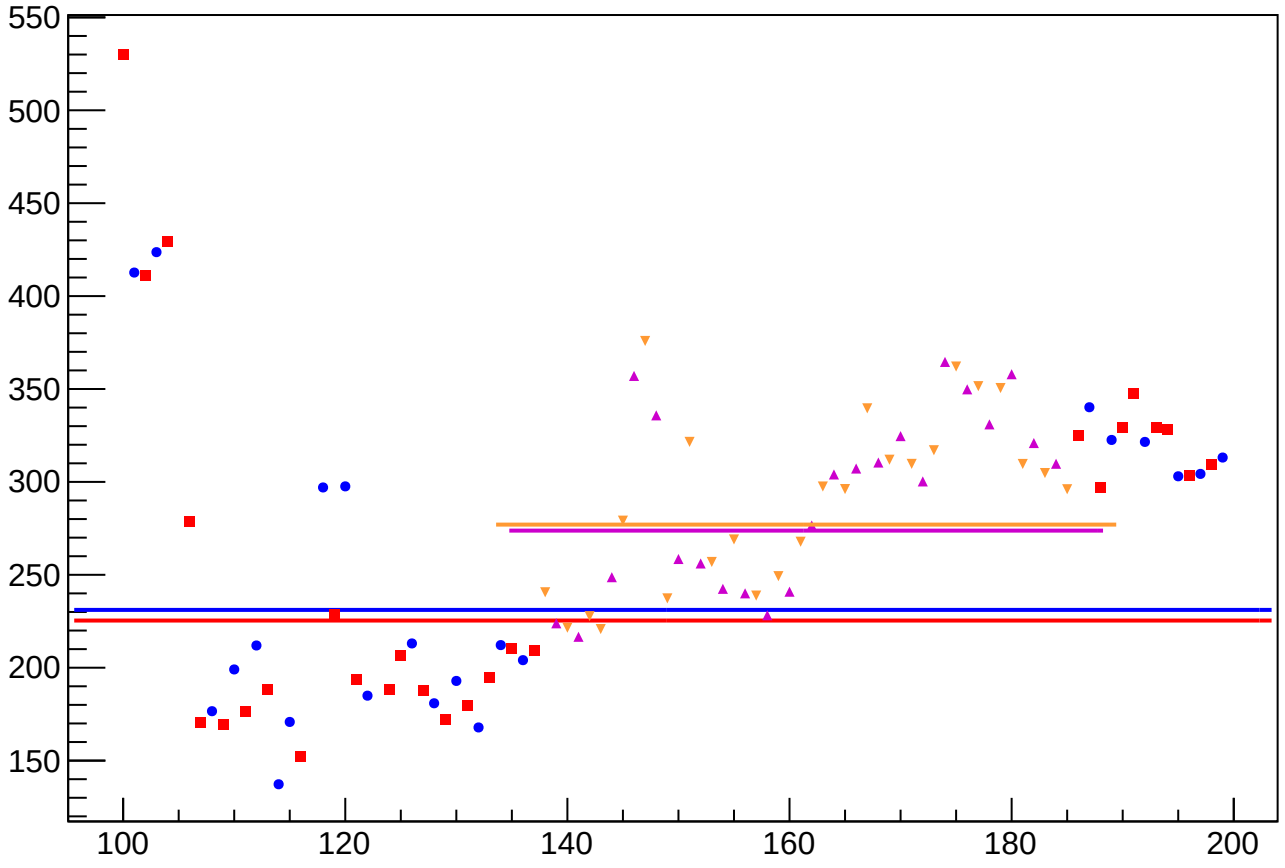
Right: 145577.908+/-0.049 χ^2/NDF: 11541439830.

In: 136751.595+/-0.048 χ^2/NDF:40344971051.6/4

Out: 137309.419+/-0.046 χ^2/NDF:41251417750.8

All: 137042.710+/-0.033 χ^2/NDF: 81665678

yield_bpm0l02WS_rms vs Slug, Sign Corrected



Right In: 231.114+/-0.051 χ^2/NDF: 1736348.5/21

Left Out: 277.021+/-0.045 χ^2/NDF:946602.2/24

Right Out: 225.387+/-0.047 χ^2/NDF: 2042492.2/26

Left In: 273.784+/-0.046 χ^2/NDF:1003910.6/22

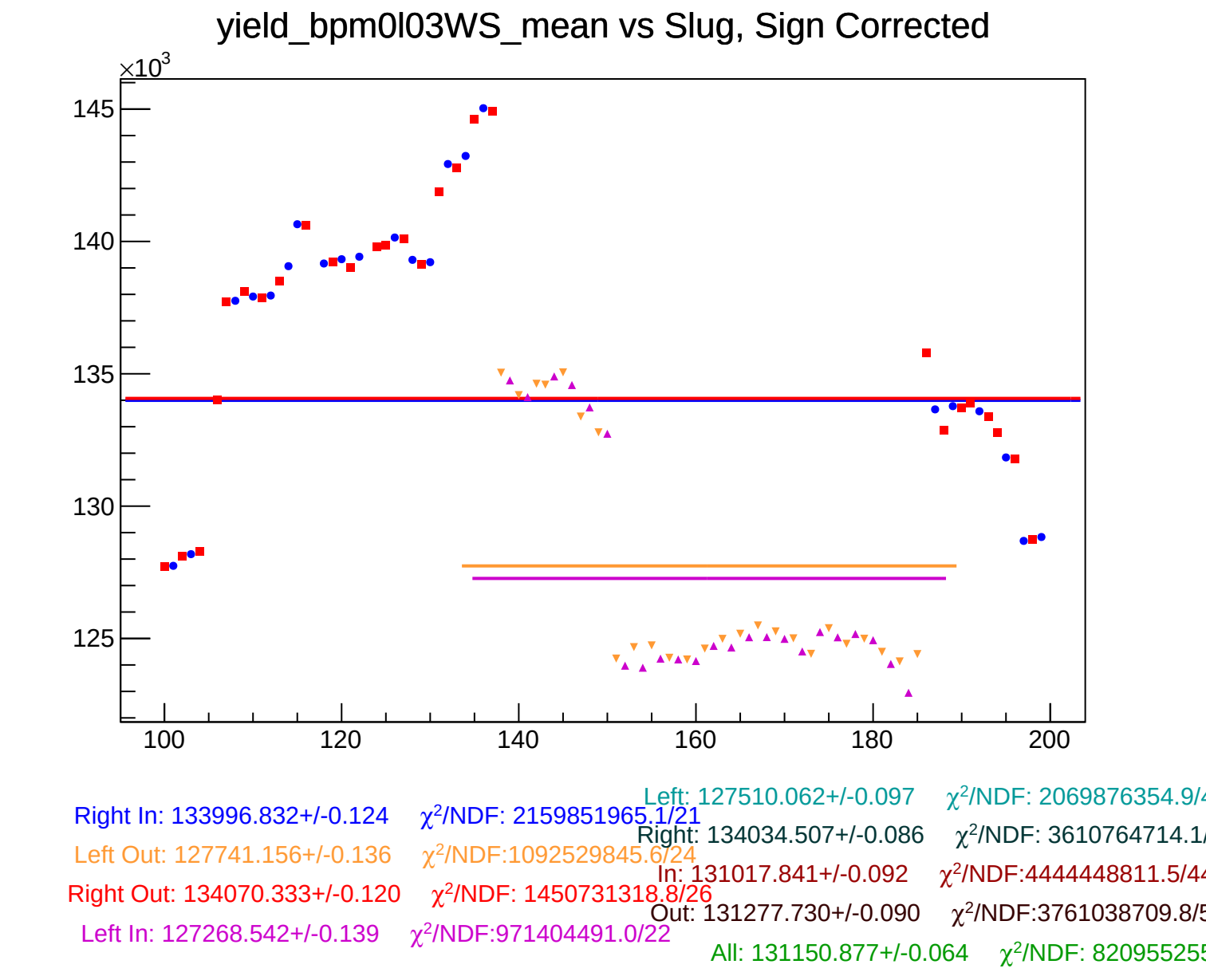
Left: 275.432+/-0.032 χ^2/NDF: 1953009.0/47

Right: 228.040+/-0.035 χ^2/NDF: 3785620.4/48

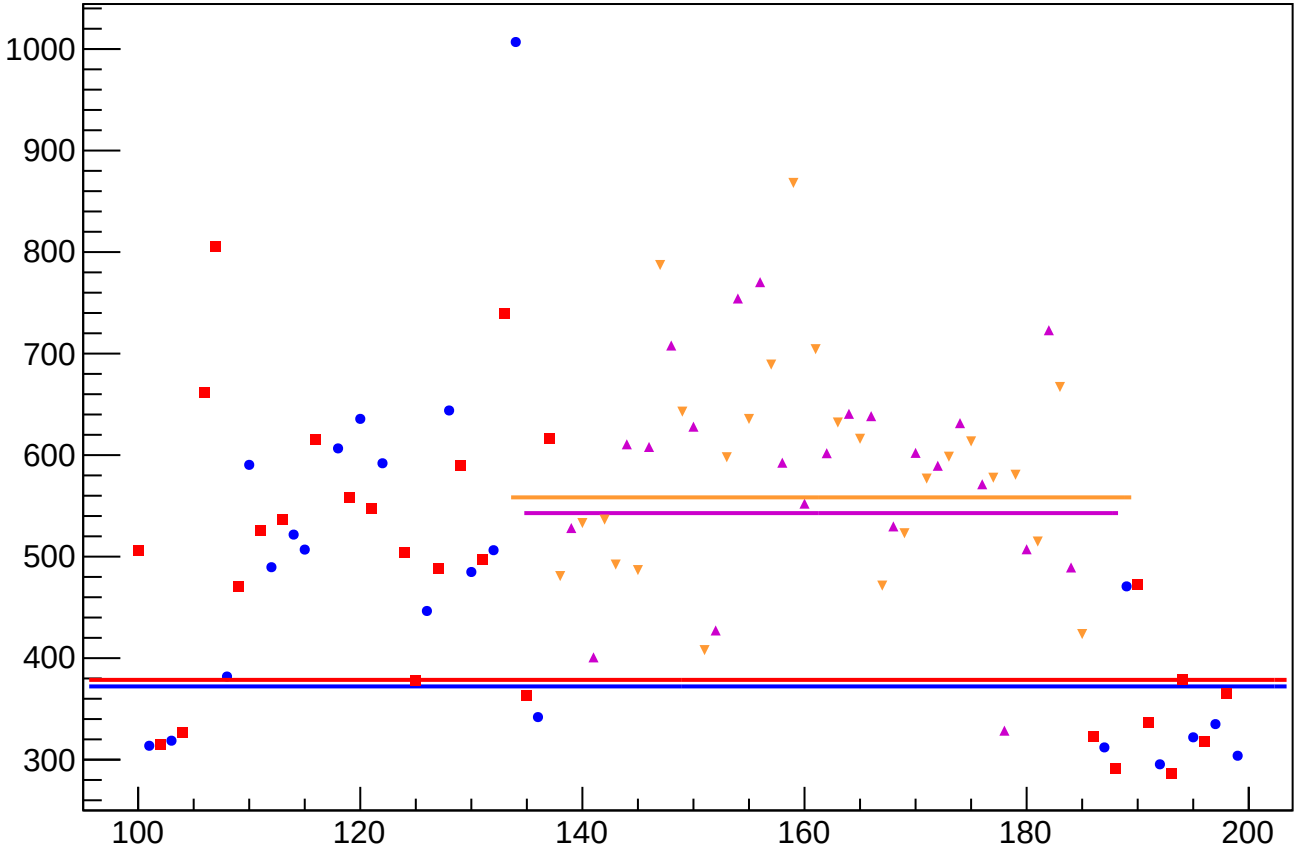
In: 254.529+/-0.034 χ^2/NDF:3125017.3/44

Out: 252.287+/-0.033 χ^2/NDF:3608837.2/51

All: 253.359+/-0.024 χ^2/NDF: 6736093.0/96


yield_bpm0l03WS_mean vs Slug, Sign Corrected
×10^3
145
140
135
130
125
100
120
140
160
180
200
Right In: 133996.832+/-0.124 χ²/NDF: 2159851965.1/21
Left Out: 127741.156+/-0.136 χ²/NDF:1092529845.6/24
Right Out: 134070.333+/-0.120 χ²/NDF: 1450731318.8/26
Left In: 127268.542+/-0.139 χ²/NDF:971404491.0/22
Left: 127510.062+/-0.097 χ²/NDF: 2069876354.9/4
Right: 134034.507+/-0.086 χ²/NDF: 3610764714.1/
In: 131017.841+/-0.092 χ²/NDF:4444448811.5/44
Out: 131277.730+/-0.090 χ²/NDF:3761038709.8/5
All: 131150.877+/-0.064 χ²/NDF: 820955255

yield_bpm0l03WS_rms vs Slug, Sign Corrected



Right In: 372.152+/-0.087 χ^2/NDF: 1419046.6/21

Left Out: 558.373+/-0.096 χ^2/NDF:968289.3/24

Right Out: 378.600+/-0.085 χ^2/NDF: 1504494.9/26

Left In: 542.872+/-0.098 χ^2/NDF:1416690.9/22

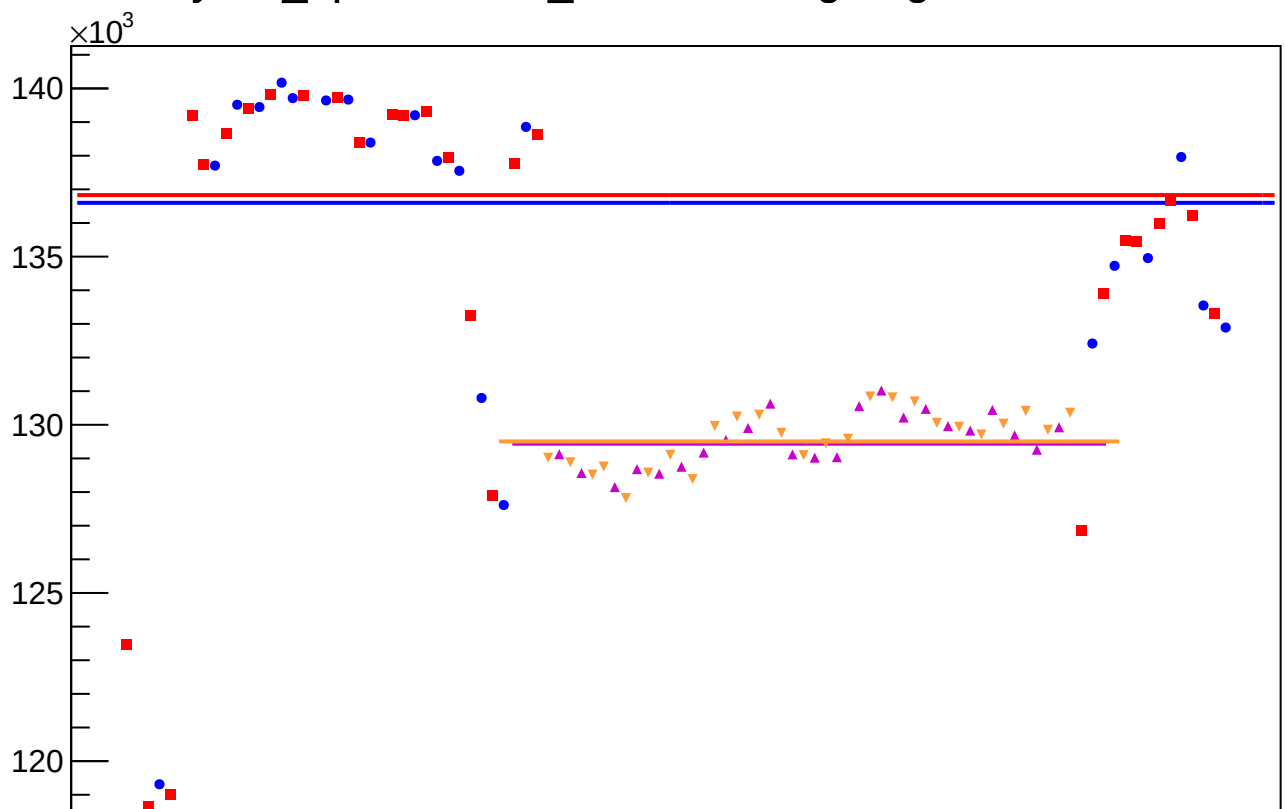
Left: 550.793+/-0.069 χ^2/NDF: 2397764.2/47

Right: 375.457+/-0.061 χ^2/NDF: 2926333.7/48

In: 447.739+/-0.065 χ^2/NDF:4526630.7/44

Out: 457.921+/-0.064 χ^2/NDF:4437737.1/51

All: 452.951+/-0.046 χ^2/NDF: 8976845.0/96



Right In: 136599.337+/-0.064 χ^2/NDF: 6094425263.4/21

Left Out: 129504.922+/-0.047 χ^2/NDF:299464438.2/24

Right Out: 136829.646+/-0.059 χ^2/NDF: 6379236517.2/26

Left In: 129437.551+/-0.048 χ^2/NDF:269025464.3/22

Left: 129472.248+/-0.034 χ^2/NDF: 569486507.5/47

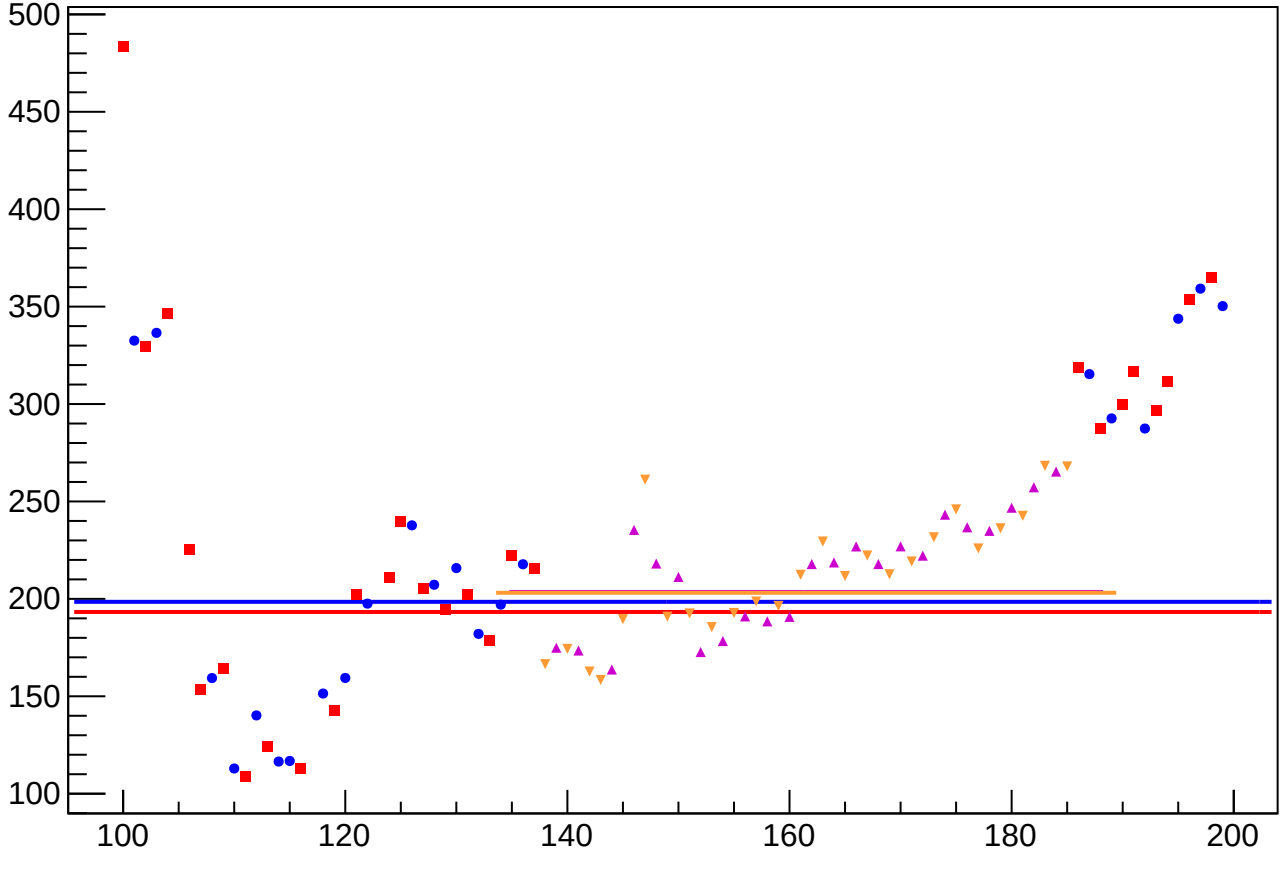
Right: 136722.741+/-0.043 χ^2/NDF: 12480664238.0

In: 132060.536+/-0.039 χ^2/NDF:14372321499.0/4

Out: 132330.960+/-0.037 χ^2/NDF:16050423252.0

All: 132201.927+/-0.027 χ^2/NDF: 30448665

yield_bpm0l04WS_rms vs Slug, Sign Corrected



Right In: 198.481+/-0.045 χ^2/NDF: 2758362.2/21

Left Out: 203.129+/-0.033 χ^2/NDF:758448.5/24

Right Out: 193.277+/-0.042 χ^2/NDF: 3421195.3/26

Left In: 203.546+/-0.034 χ^2/NDF:666043.6/22

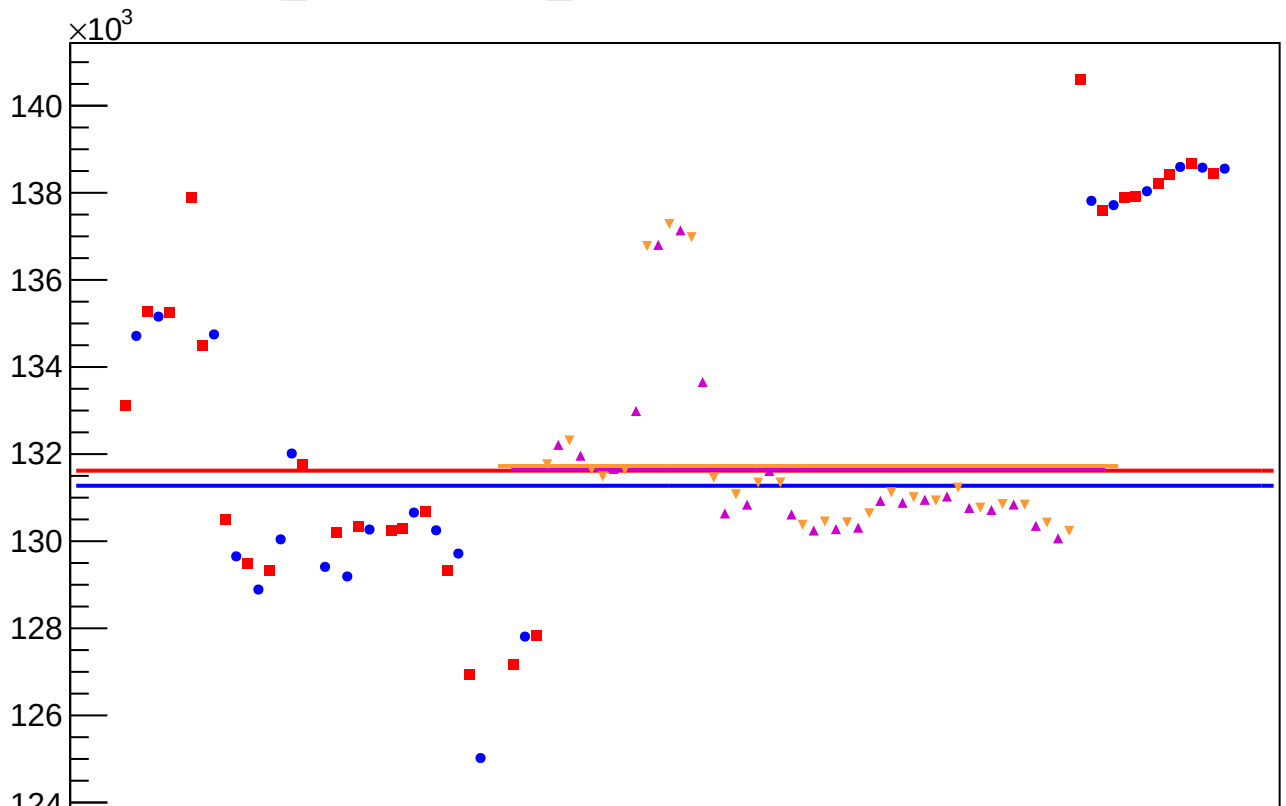
Left: 203.331+/-0.024 χ^2/NDF: 1424568.7/47

Right: 195.693+/-0.031 χ^2/NDF: 6186708.0/48

In: 201.691+/-0.027 χ^2/NDF:3432418.3/44

Out: 199.328+/-0.026 χ^2/NDF:4213551.8/51

All: 200.456+/-0.019 χ^2/NDF: 7649899.4/96



Right In: 131273.257+/-0.059 χ^2/NDF: 5702257623.1/21

Left Out: 131727.086+/-0.047 χ^2/NDF:1425045697.6/24

Right Out: 131619.811+/-0.054 χ^2/NDF: 6175348061.9/26

Left In: 131660.490+/-0.048 χ^2/NDF:1164380319.7/22

Left: 131694.721+/-0.034 χ^2/NDF: 2590408205.6/4

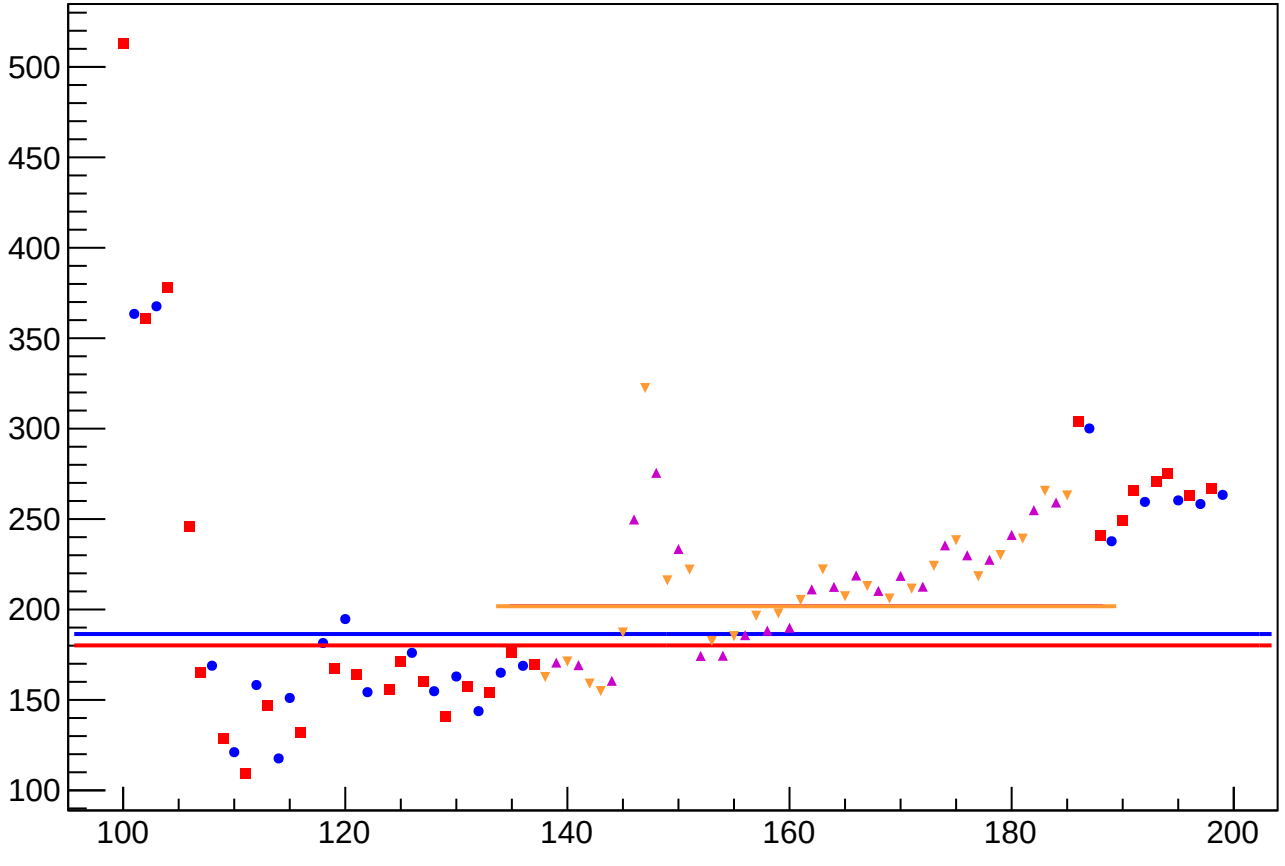
Right: 131459.558+/-0.040 χ^2/NDF: 11896463754.

In: 131504.038+/-0.037 χ^2/NDF:6892740631.1/44

Out: 131681.281+/-0.035 χ^2/NDF:7602632916.3/5

All: 131596.880+/-0.026 χ^2/NDF: 14507270

yield_bpm0l05WS_rms vs Slug, Sign Corrected



Right In: 186.432+/-0.041 χ^2/NDF: 1798791.7/21

Left Out: 201.798+/-0.033 χ^2/NDF:905352.1/24

Right Out: 180.147+/-0.038 χ^2/NDF: 2557103.1/26

Left In: 201.947+/-0.034 χ^2/NDF:802700.2/22

Left: 201.870+/-0.024 χ^2/NDF: 1708062.2/47

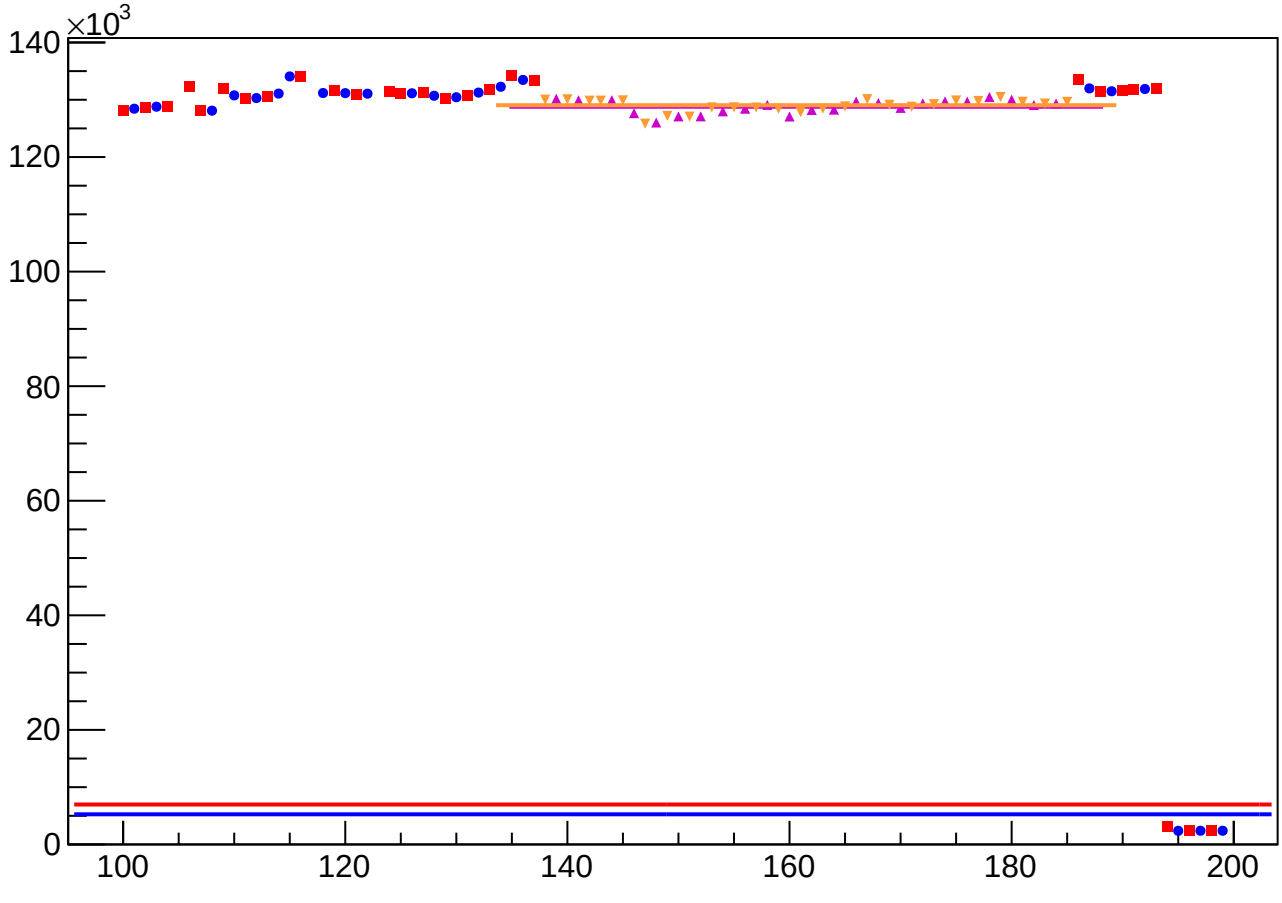
Right: 183.053+/-0.028 χ^2/NDF: 4368300.1/48

In: 195.678+/-0.026 χ^2/NDF:2685298.8/44

Out: 192.553+/-0.025 χ^2/NDF:3644878.0/51

All: 194.041+/-0.018 χ^2/NDF: 6337574.3/96

yield_bpm0l06WS_mean vs Slug, Sign Corrected



Right In: 5264.206+/-0.009 χ^2/NDF: 4922945076633.5/21

Left Out: 129050.458+/-0.045 χ^2/NDF:530879250.1/24

Right Out: 6972.057+/-0.010 χ^2/NDF: 5752295963889.9/26

Left In: 128783.852+/-0.047 χ^2/NDF:655675405.6/22

Left: 128921.210+/-0.033 χ^2/NDF: 1203205446.5/4

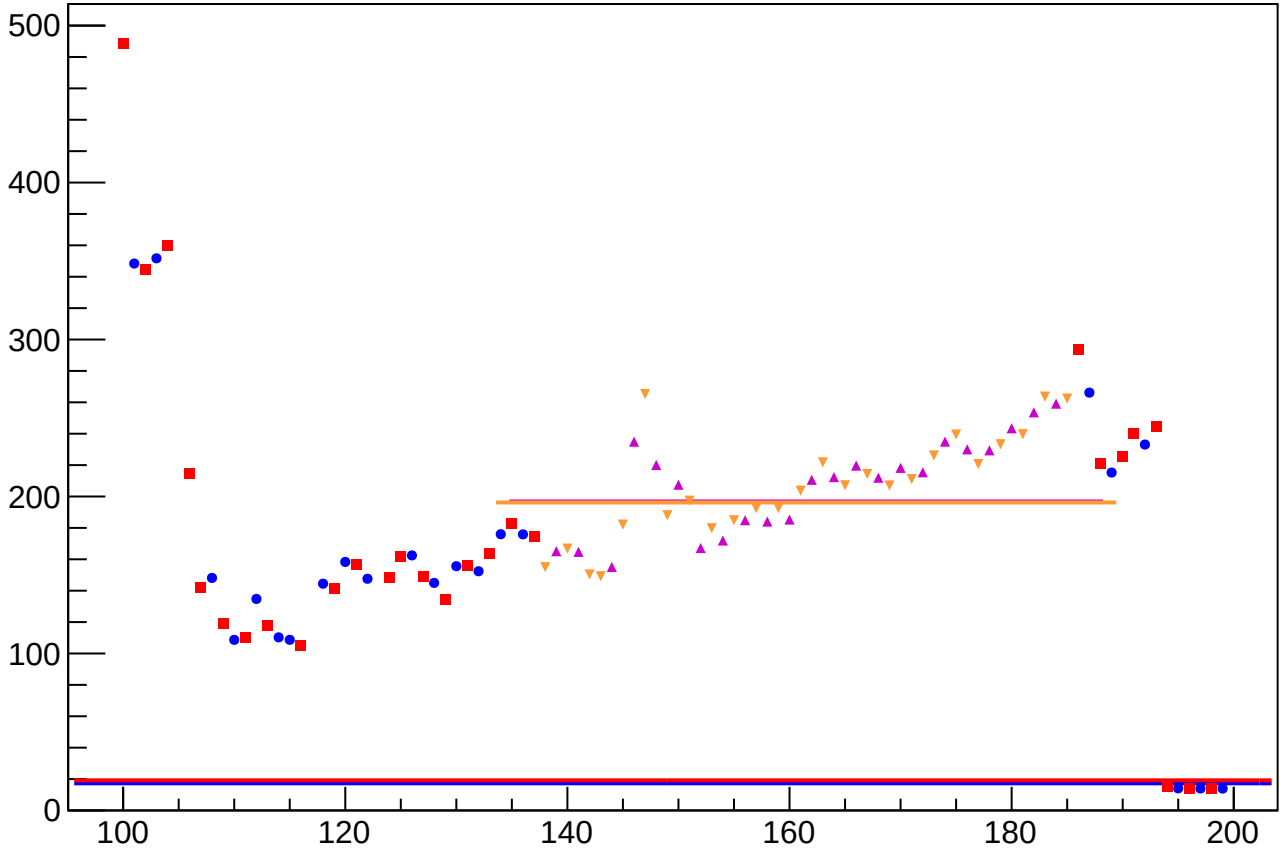
Right: 6003.502+/-0.006 χ^2/NDF: 10692410663087

In: 9260.637+/-0.008 χ^2/NDF:11636357777202.7

Out: 12402.480+/-0.010 χ^2/NDF:12633945145093

All: 10630.417+/-0.006 χ^2/NDF: 243307829

yield_bpm0l06WS_rms vs Slug, Sign Corrected



Right In: 17.290+/-0.006 χ^2/NDF: 14248995.1/21

Left Out: 196.203+/-0.032 χ^2/NDF:922826.1/24

Right Out: 19.195+/-0.007 χ^2/NDF: 16129172.4/26

Left In: 196.840+/-0.033 χ^2/NDF:773052.6/22

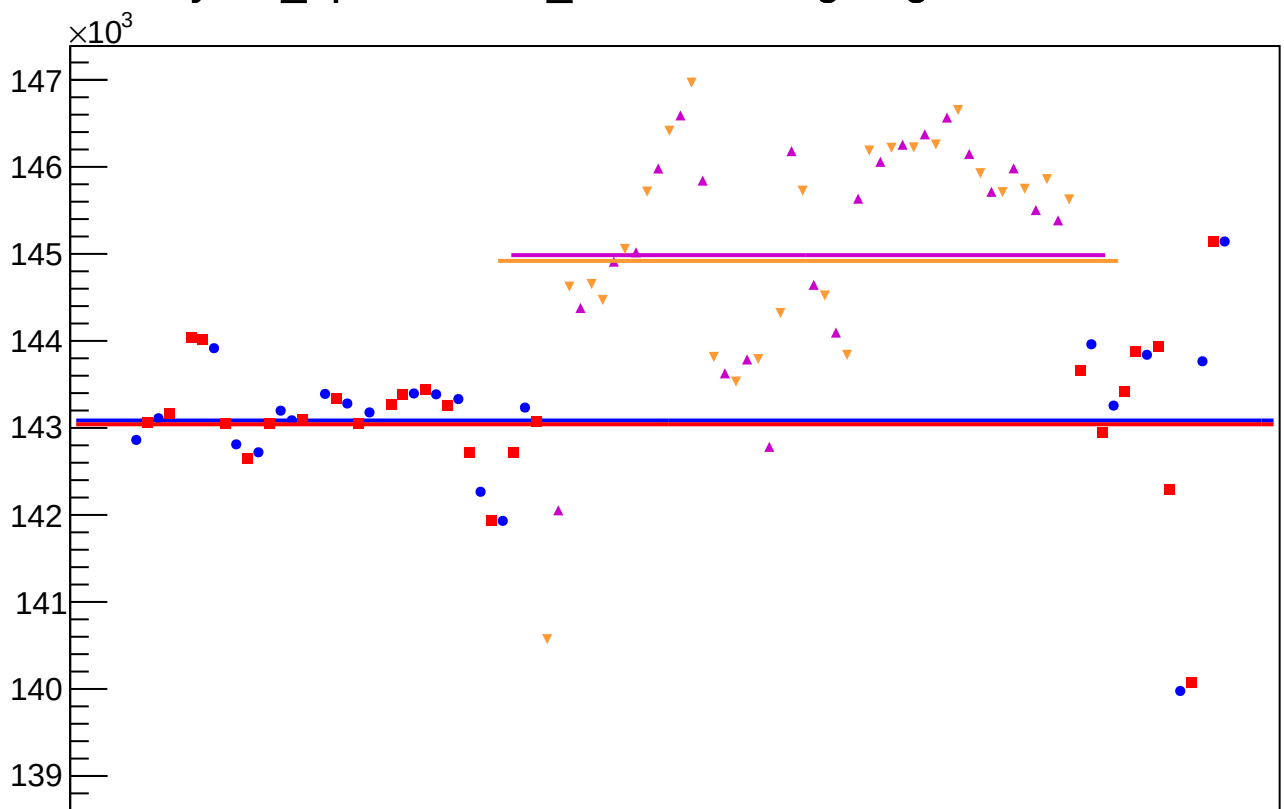
Left: 196.512+/-0.023 χ^2/NDF: 1696068.8/47

Right: 18.115+/-0.005 χ^2/NDF: 30420904.5/48

In: 23.099+/-0.006 χ^2/NDF:43390116.6/44

Out: 27.069+/-0.007 χ^2/NDF:45985143.8/51

All: 24.830+/-0.004 χ^2/NDF: 89568377.0/96



Right In: 143085.201+/-0.060 χ^2/NDF: 172288936.2/21

Left Out: 144919.479+/-0.052 χ^2/NDF:835478710.7/24

Right Out: 143041.702+/-0.055 χ^2/NDF: 157685762.0/26

Left In: 144985.586+/-0.054 χ^2/NDF:618782558.7/22

Left: 144951.693+/-0.037 χ^2/NDF: 1455041879.5/4

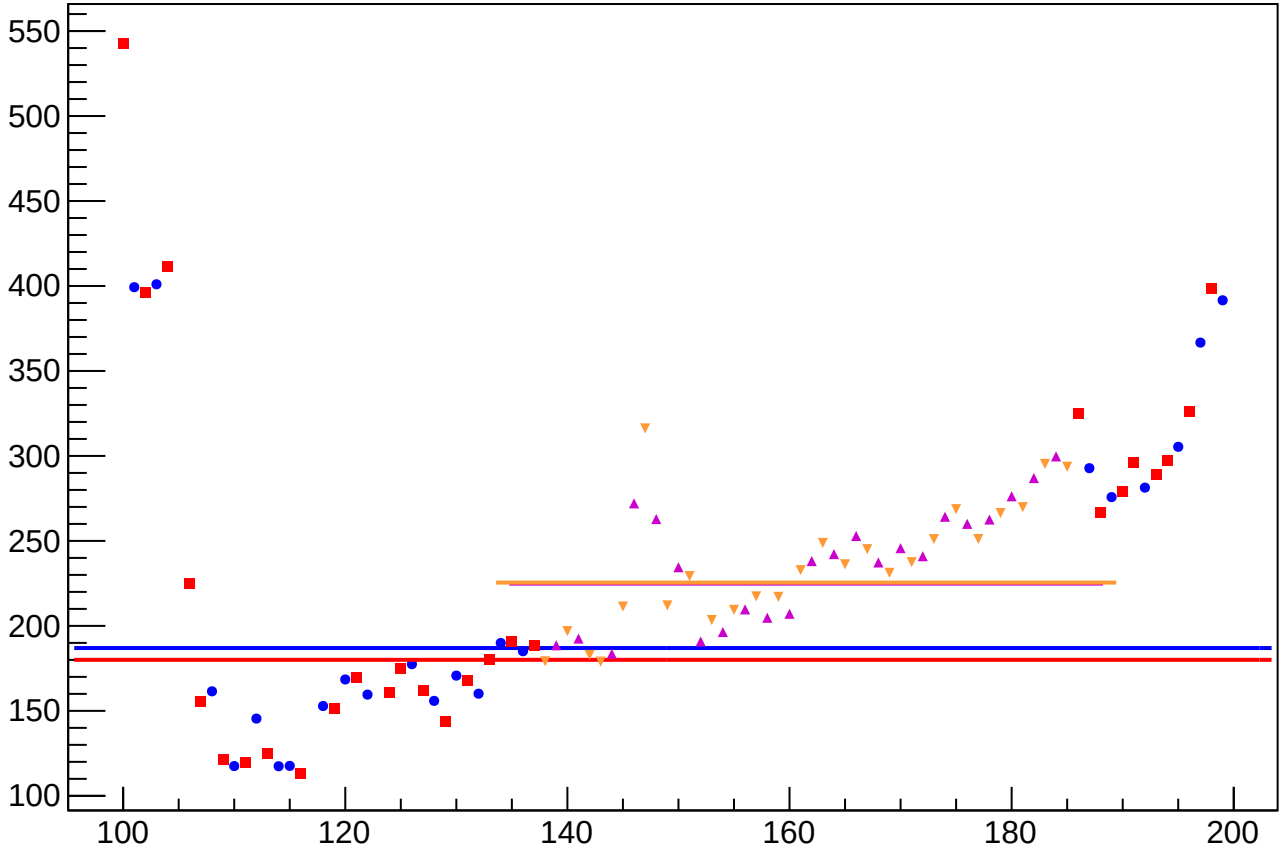
Right: 143061.673+/-0.041 χ^2/NDF: 330259809.7/4

In: 144141.209+/-0.040 χ^2/NDF:1350132097.3/44

Out: 144032.430+/-0.038 χ^2/NDF:1603745286.1/5

All: 144084.030+/-0.028 χ^2/NDF: 295777716

yield_bpm0l07WS_rms vs Slug, Sign Corrected



Right In: 186.966+/-0.042 χ^2/NDF: 2892166.9/21

Left Out: 225.478+/-0.037 χ^2/NDF:775365.4/24

Right Out: 180.032+/-0.039 χ^2/NDF: 3573666.1/26

Left In: 224.869+/-0.038 χ^2/NDF:723816.1/22

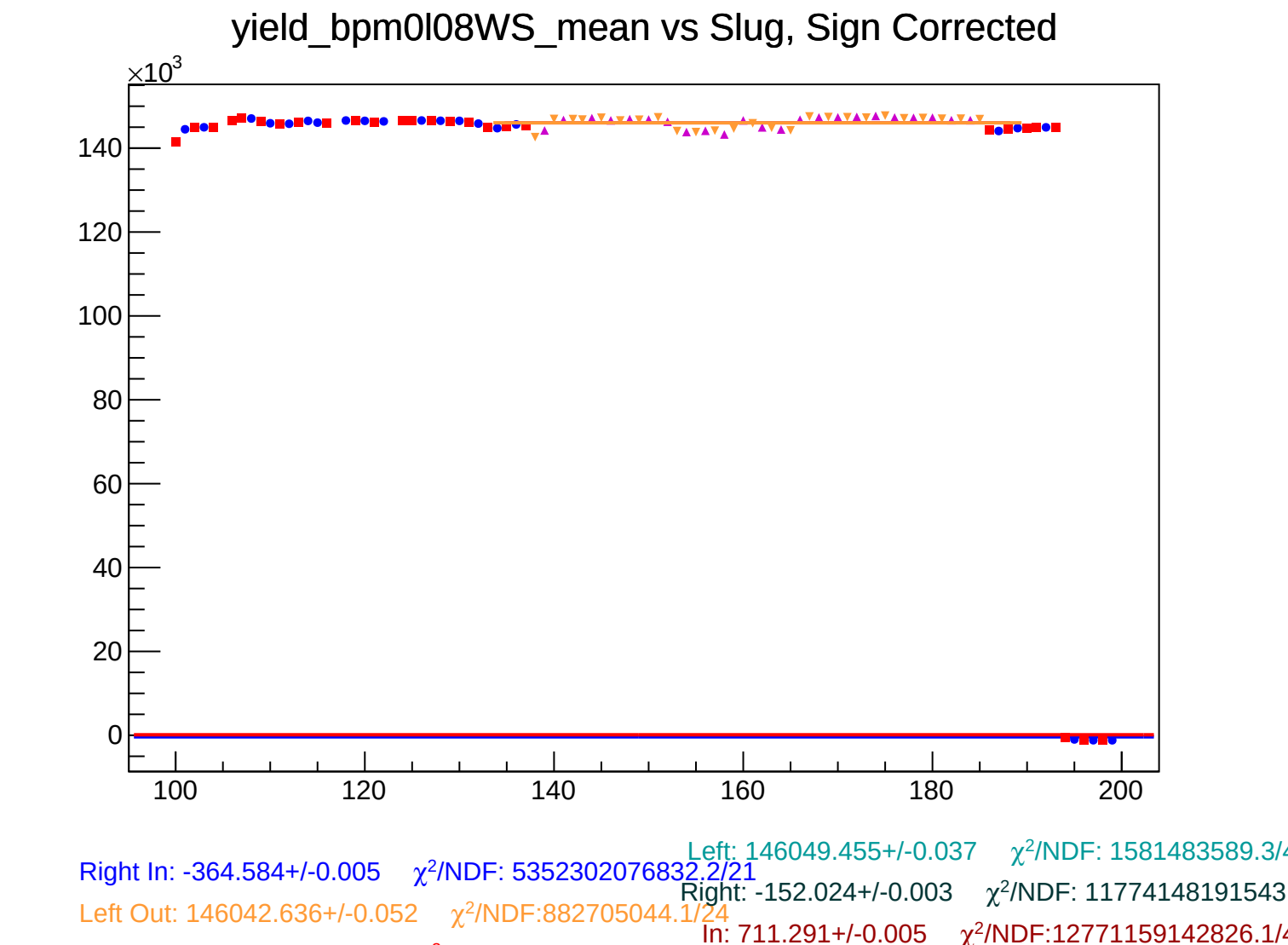
Left: 225.181+/-0.026 χ^2/NDF: 1499314.5/47

Right: 183.215+/-0.029 χ^2/NDF: 6480321.1/48

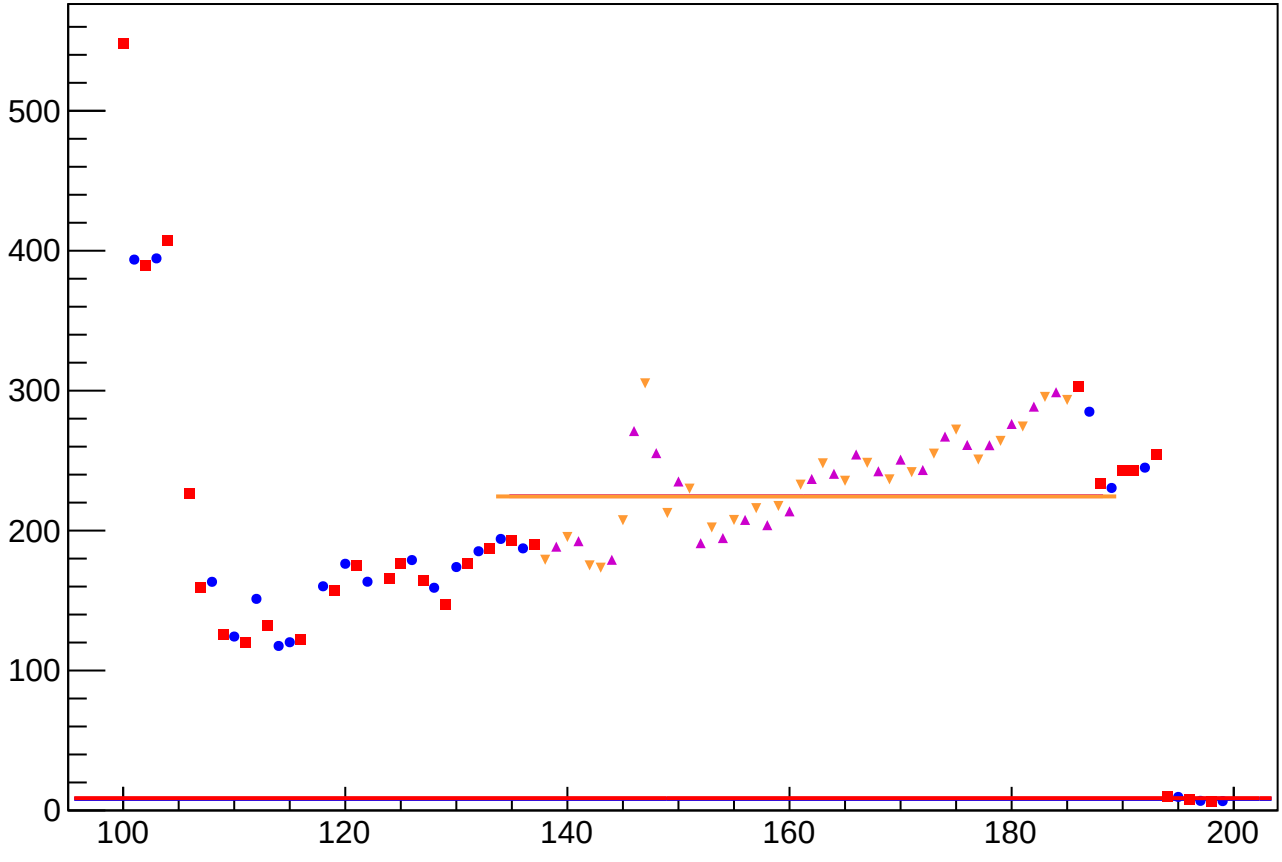
In: 208.028+/-0.028 χ^2/NDF:4060764.9/44

Out: 204.010+/-0.027 χ^2/NDF:5064318.8/51

All: 205.916+/-0.019 χ^2/NDF: 9135723.6/96


yield_bpm0l08WS_mean vs Slug, Sign Corrected
×10^3
140
120
100
80
60
40
20
0
100
120
140
160
180
200
Right In: -364.584+/-0.005 χ²/NDF: 5352302076832.2/21
Left Out: 146042.636+/-0.052 χ²/NDF:882705044.1/24
Right Out: 127.790+/-0.005 χ²/NDF: 6416917696261.3/26
Left In: 146056.687+/-0.054 χ²/NDF:698743124.4/22
Left: 146049.455+/-0.037 χ²/NDF: 1581483589.3/4
Right: -152.024+/-0.003 χ²/NDF: 11774148191543
In: 711.291+/-0.005 χ²/NDF:12771159142826.1/4
Out: 1620.299+/-0.005 χ²/NDF:14208221043184.
All: 1104.363+/-0.003 χ²/NDF: 2699633031

yield_bpm0l08WS_rms vs Slug, Sign Corrected



Right In: 8.248+/-0.003 χ^2/NDF: 15961859.7/21

Left Out: 224.409+/-0.037 χ^2/NDF:849100.4/24

Right Out: 8.792+/-0.004 χ^2/NDF: 18190073.6/26

Left In: 224.655+/-0.038 χ^2/NDF:756996.8/22

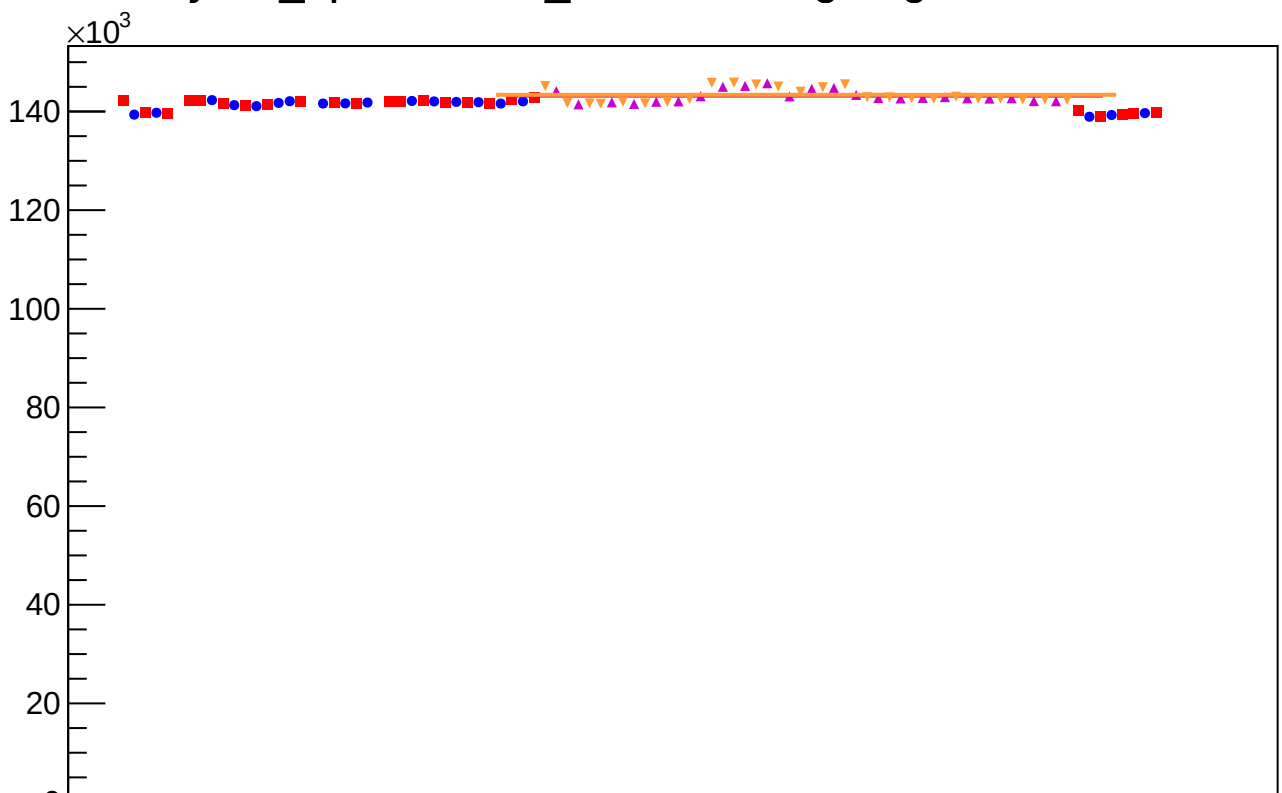
Left: 224.528+/-0.026 χ^2/NDF: 1606118.8/47

Right: 8.483+/-0.002 χ^2/NDF: 34163963.1/48

In: 9.838+/-0.003 χ^2/NDF:49127432.2/44

Out: 10.997+/-0.004 χ^2/NDF:53061260.7/51

All: 10.339+/-0.002 χ^2/NDF: 102243832.4/96



Right In: -1739.955+/-0.005 χ^2/NDF: 4936663484284.7/21

Left Out: 143386.915+/-0.054 χ^2/NDF:784001363.1/24

Right Out: -1129.325+/-0.006 χ^2/NDF: 5777728343215.5/26

Left In: 143221.802+/-0.055 χ^2/NDF:540234973.1/22

Left: 143306.102+/-0.038 χ^2/NDF: 1328866261.9/4

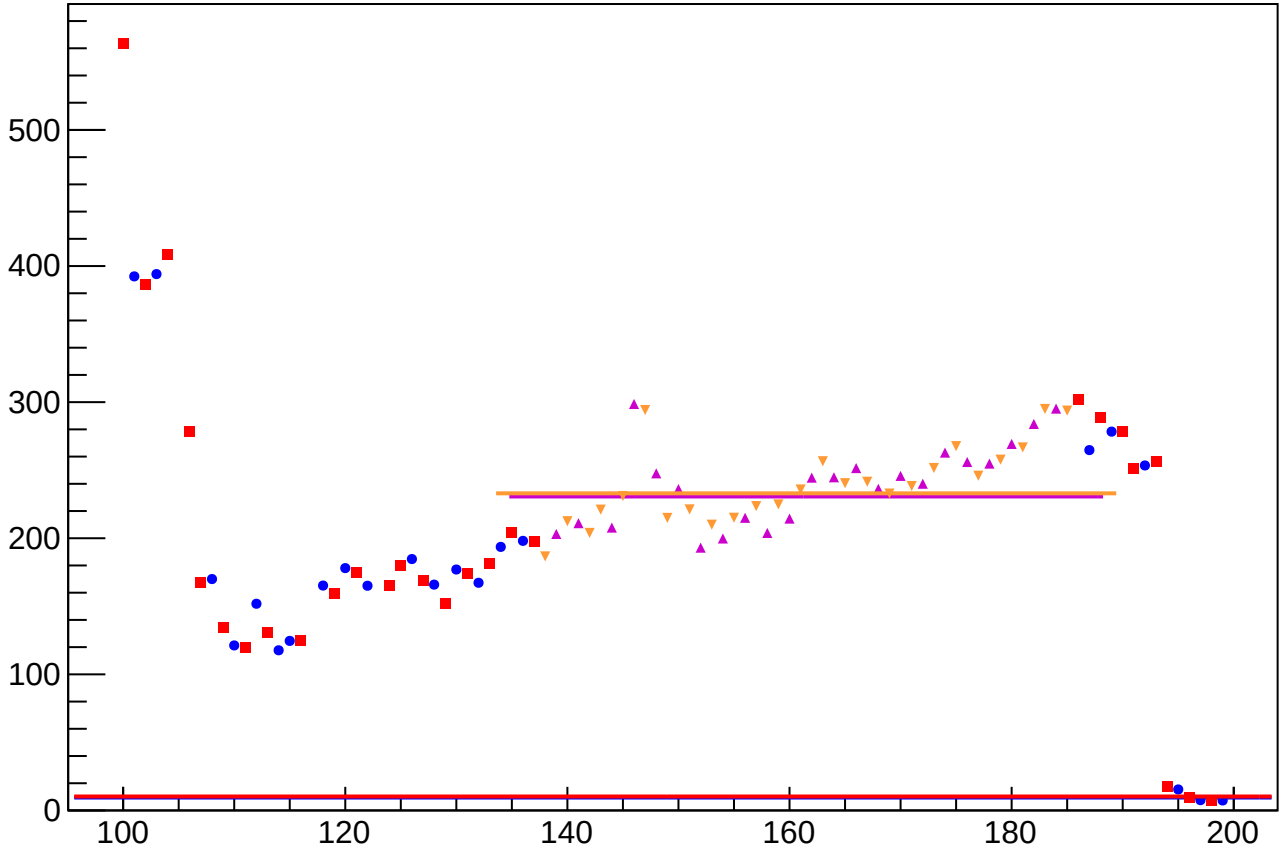
Right: -1477.595+/-0.004 χ^2/NDF: 1071990209353

In: -351.457+/-0.005 χ^2/NDF:11860220876473.2/

Out: 780.401+/-0.006 χ^2/NDF:12929506665552.3

All: 135.872+/-0.004 χ^2/NDF: 24808882917

yield_bpm0l09WS_rms vs Slug, Sign Corrected



Right In: 9.511+/-0.004 χ^2/NDF: 16055457.3/21

Left Out: 233.007+/-0.038 χ^2/NDF:446120.9/24

Right Out: 10.255+/-0.004 χ^2/NDF: 18136568.3/26

Left In: 230.693+/-0.039 χ^2/NDF:512017.9/22

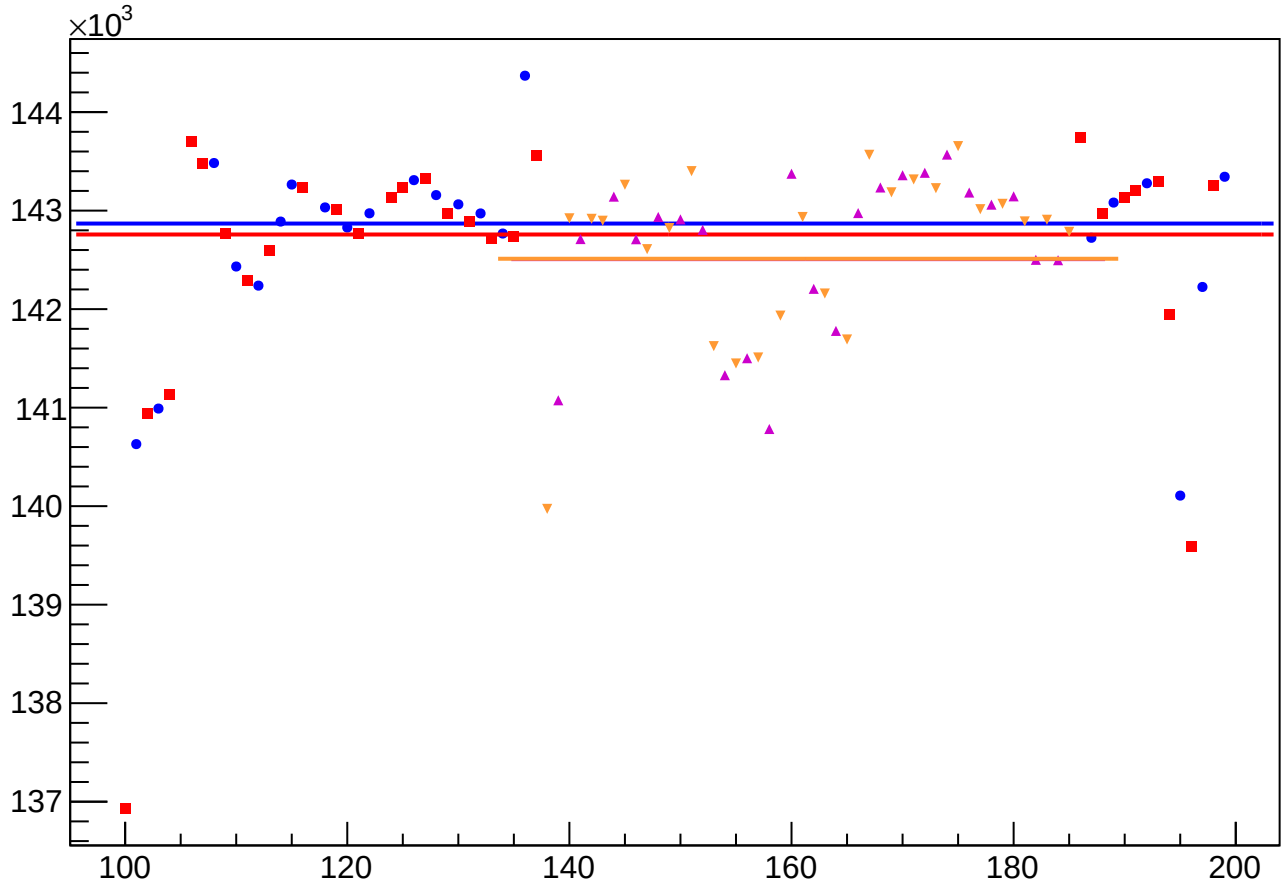
Left: 231.874+/-0.027 χ^2/NDF: 959957.6/47

Right: 9.831+/-0.003 χ^2/NDF: 34208395.0/48

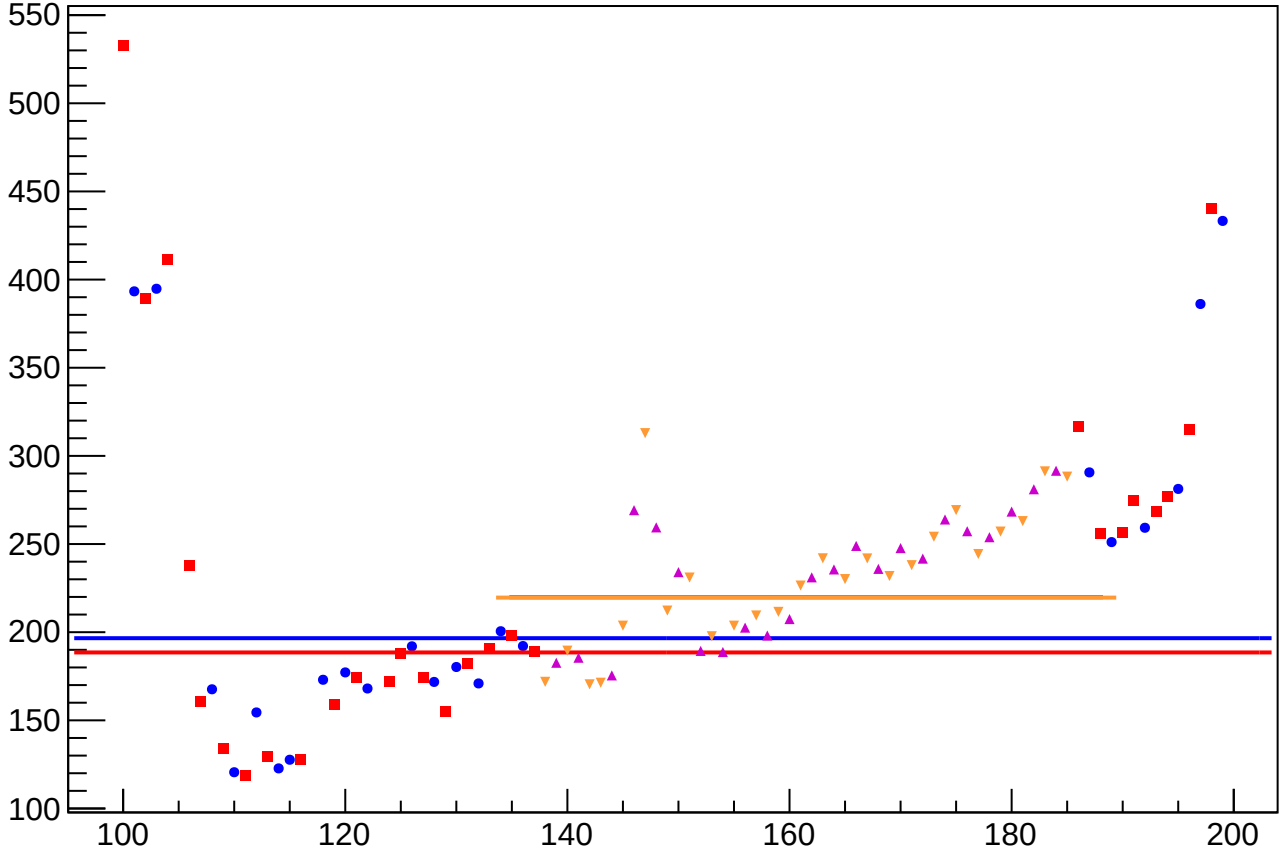
In: 11.629+/-0.004 χ^2/NDF:48801794.1/44

Out: 13.199+/-0.004 χ^2/NDF:52561327.7/51

All: 12.305+/-0.003 χ^2/NDF: 101436760.3/96


yield_bpm0l10WS_mean vs Slug, Sign Corrected
×10^3
144
143
142
141
140
139
138
137
100
120
140
160
180
200
Right In: 142868.720+/-0.063 χ²/NDF: 199556424.4/21
Left Out: 142511.381+/-0.051 χ²/NDF:338087157.2/24
Right Out: 142757.677+/-0.057 χ²/NDF: 160252702.9/26
Left In: 142507.563+/-0.052 χ²/NDF:269272097.4/22
Left: 142509.527+/-0.037 χ²/NDF: 607361986.5/47
Right: 142808.248+/-0.042 χ²/NDF: 361523808.6/4
In: 142656.419+/-0.040 χ²/NDF:488407265.9/44
Out: 142620.164+/-0.038 χ²/NDF:508681406.0/51
All: 142637.299+/-0.028 χ²/NDF: 99751812

yield_bpm0l10WS_rms vs Slug, Sign Corrected



Right In: 196.598+/-0.044 χ^2/NDF: 2532382.1/21

Left Out: 219.618+/-0.036 χ^2/NDF:902026.4/24

Right Out: 188.513+/-0.040 χ^2/NDF: 3079892.7/26

Left In: 219.813+/-0.037 χ^2/NDF:805501.8/22

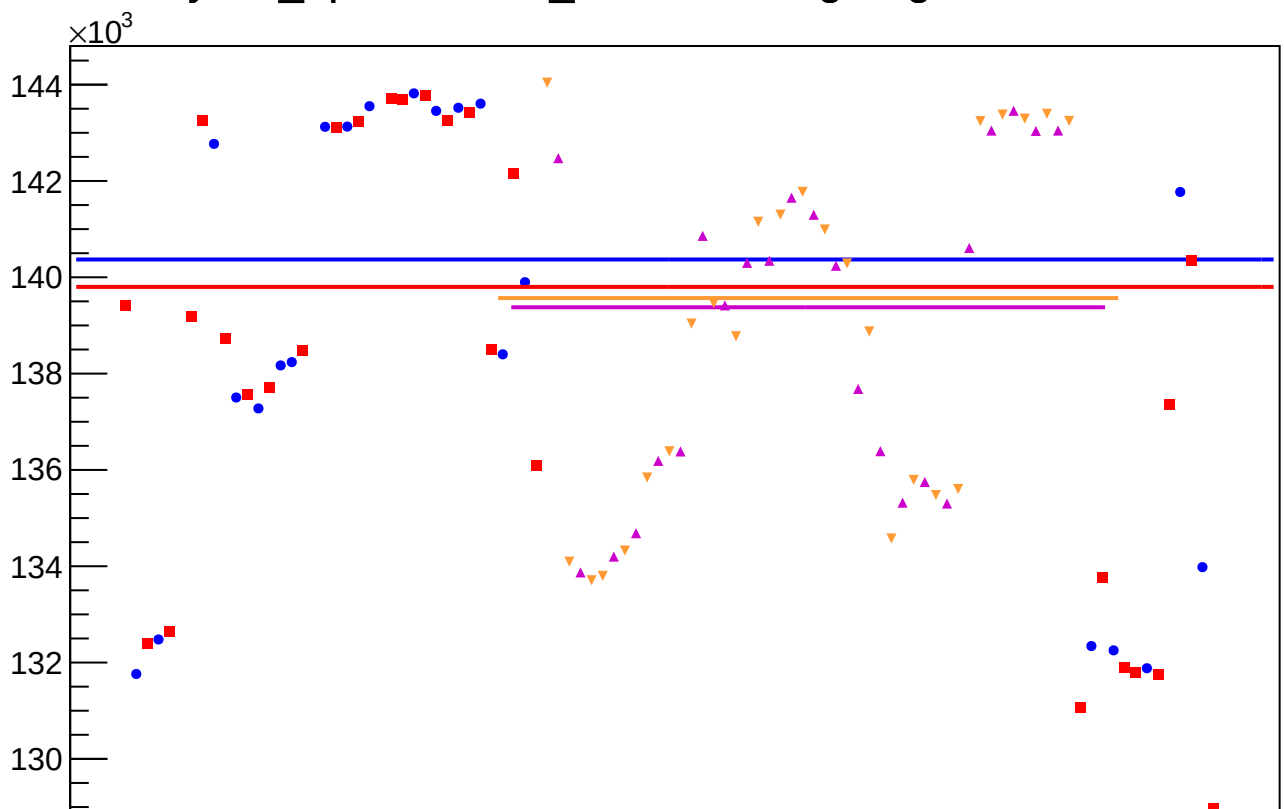
Left: 219.713+/-0.026 χ^2/NDF: 1707542.5/47

Right: 192.195+/-0.030 χ^2/NDF: 5630454.0/48

In: 210.245+/-0.028 χ^2/NDF:3499678.1/44

Out: 205.880+/-0.027 χ^2/NDF:4311795.2/51

All: 207.943+/-0.020 χ^2/NDF: 7823924.6/96



Right In: 140369.428+/-0.089 χ^2/NDF: 2267598648.8/21

Left Out: 139568.750+/-0.070 χ^2/NDF:2586638805.4/24

Right Out: 139800.934+/-0.088 χ^2/NDF: 2359799650.6/26

Left In: 139377.582+/-0.073 χ^2/NDF:1921434868.2/22

Left: 139477.077+/-0.051 χ^2/NDF: 4511647582.8/4

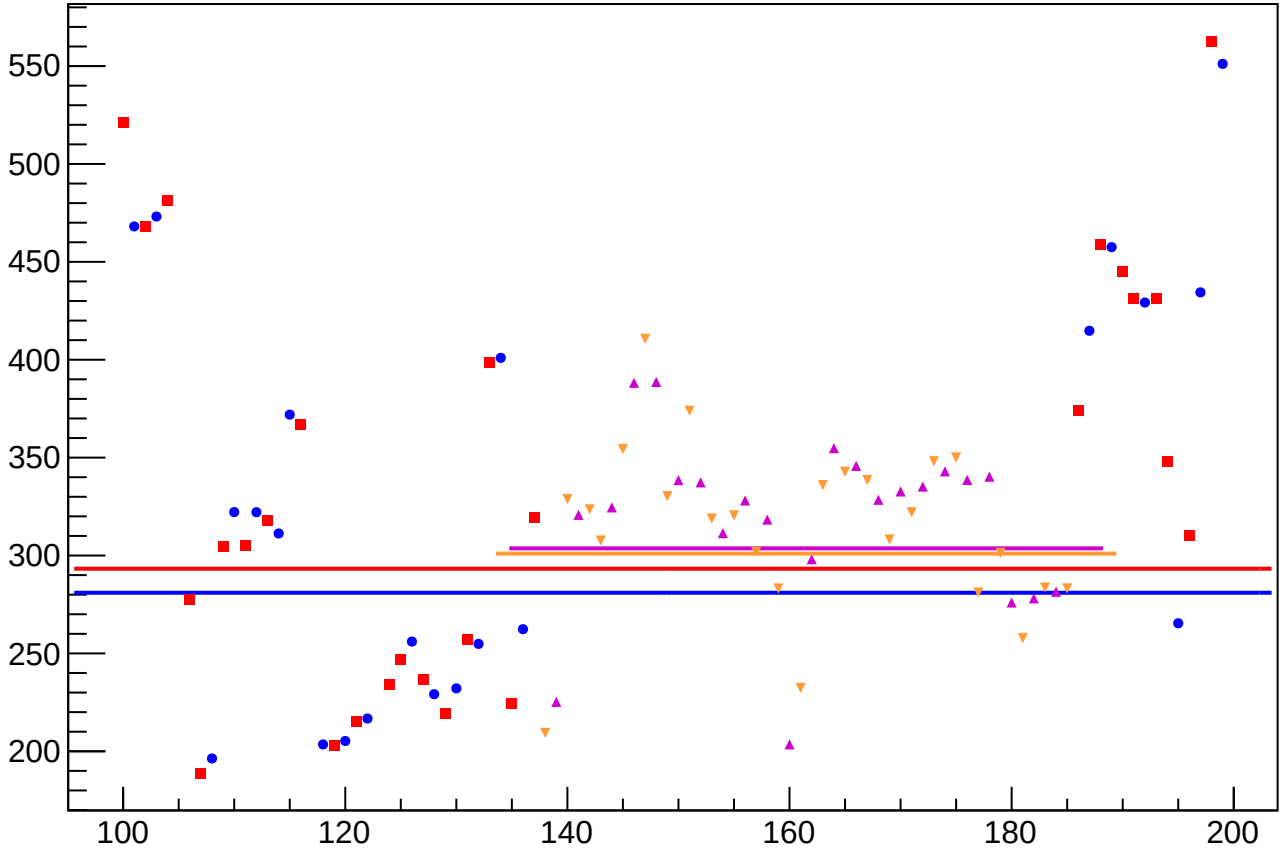
Right: 140081.223+/-0.062 χ^2/NDF: 4648078185.0/

In: 139776.123+/-0.056 χ^2/NDF:4263308723.0/44

Out: 139659.047+/-0.055 χ^2/NDF:4950714021.6/5

All: 139715.814+/-0.039 χ^2/NDF: 92162406

yield_bpm0r03WS_rms vs Slug, Sign Corrected



Right In: 280.985+/-0.063 χ^2/NDF: 2126393.0/21

Left Out: 300.964+/-0.050 χ^2/NDF:876889.9/24

Right Out: 293.269+/-0.062 χ^2/NDF: 2209816.9/26

Left In: 303.658+/-0.052 χ^2/NDF:976252.9/22

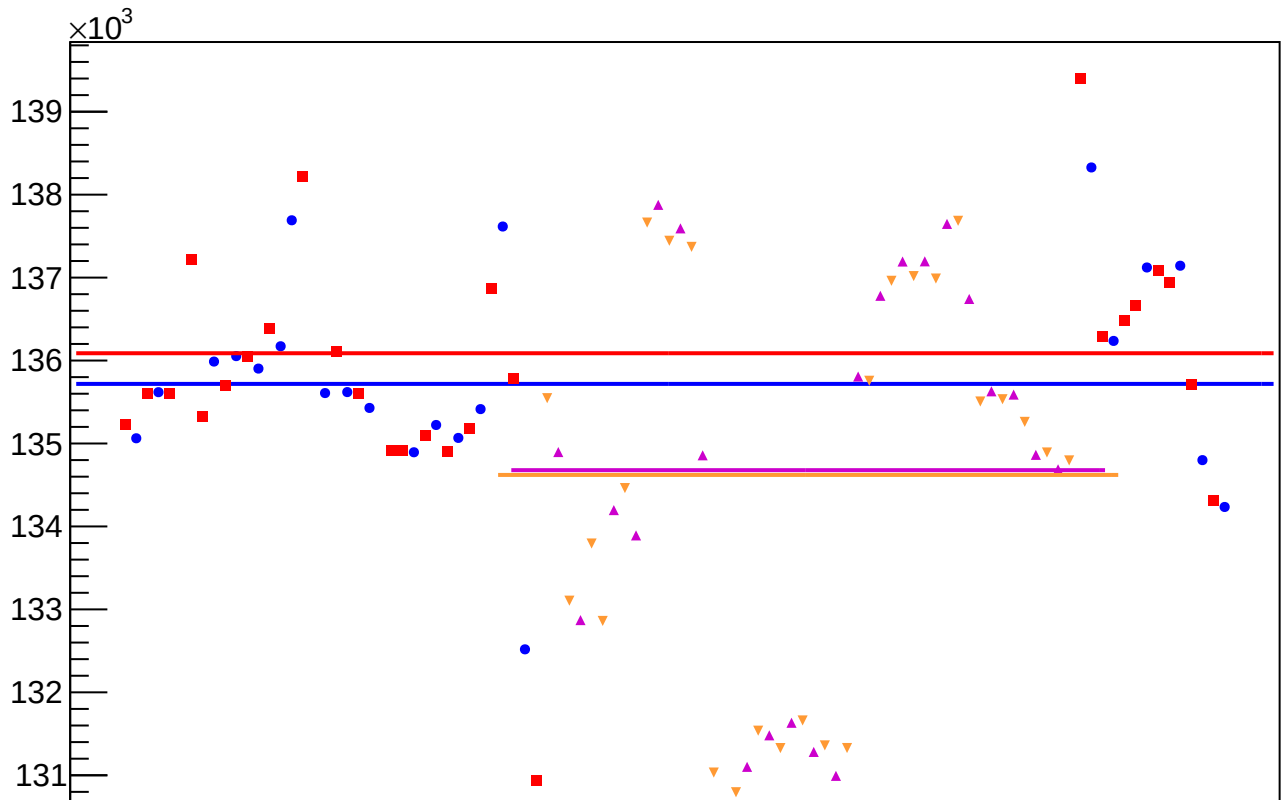
Left: 302.256+/-0.036 χ^2/NDF: 1854562.6/47

Right: 287.213+/-0.044 χ^2/NDF: 4355522.5/48

In: 294.548+/-0.040 χ^2/NDF:3180274.7/44

Out: 297.972+/-0.039 χ^2/NDF:3096098.4/51

All: 296.311+/-0.028 χ^2/NDF: 6280166.7/96



Right In: 135718.433+/-0.089 χ^2/NDF: 191631754.5/21

Left Out: 134620.993+/-0.064 χ^2/NDF:1201492843.7/24

Right Out: 136088.082+/-0.081 χ^2/NDF: 194014485.8/26

Left In: 134678.497+/-0.067 χ^2/NDF:1096295429.9/22

Left: 134648.354+/-0.046 χ^2/NDF: 2298175591.1/4

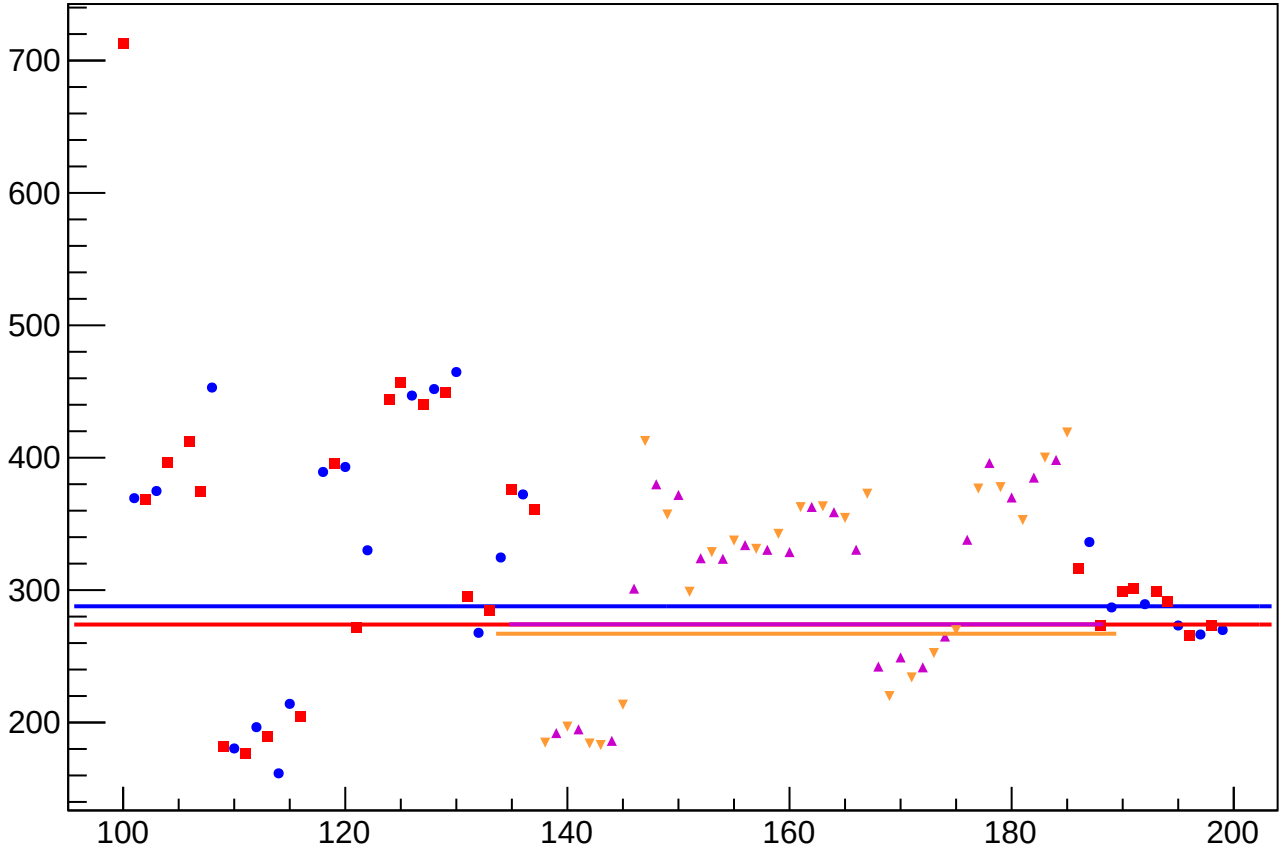
Right: 135920.947+/-0.060 χ^2/NDF: 395124161.5/4

In: 135054.614+/-0.053 χ^2/NDF:1375329581.5/44

Out: 135184.246+/-0.050 χ^2/NDF:1598931420.7/5

All: 135123.711+/-0.037 χ^2/NDF: 29773966

yield_bpm0r05WS_rms vs Slug, Sign Corrected



Right In: 287.776+/-0.063 χ^2/NDF: 1482088.3/21

Left Out: 267.053+/-0.045 χ^2/NDF:2843307.1/24

Right Out: 273.992+/-0.057 χ^2/NDF: 1728720.9/26

Left In: 274.177+/-0.047 χ^2/NDF:2236755.2/22

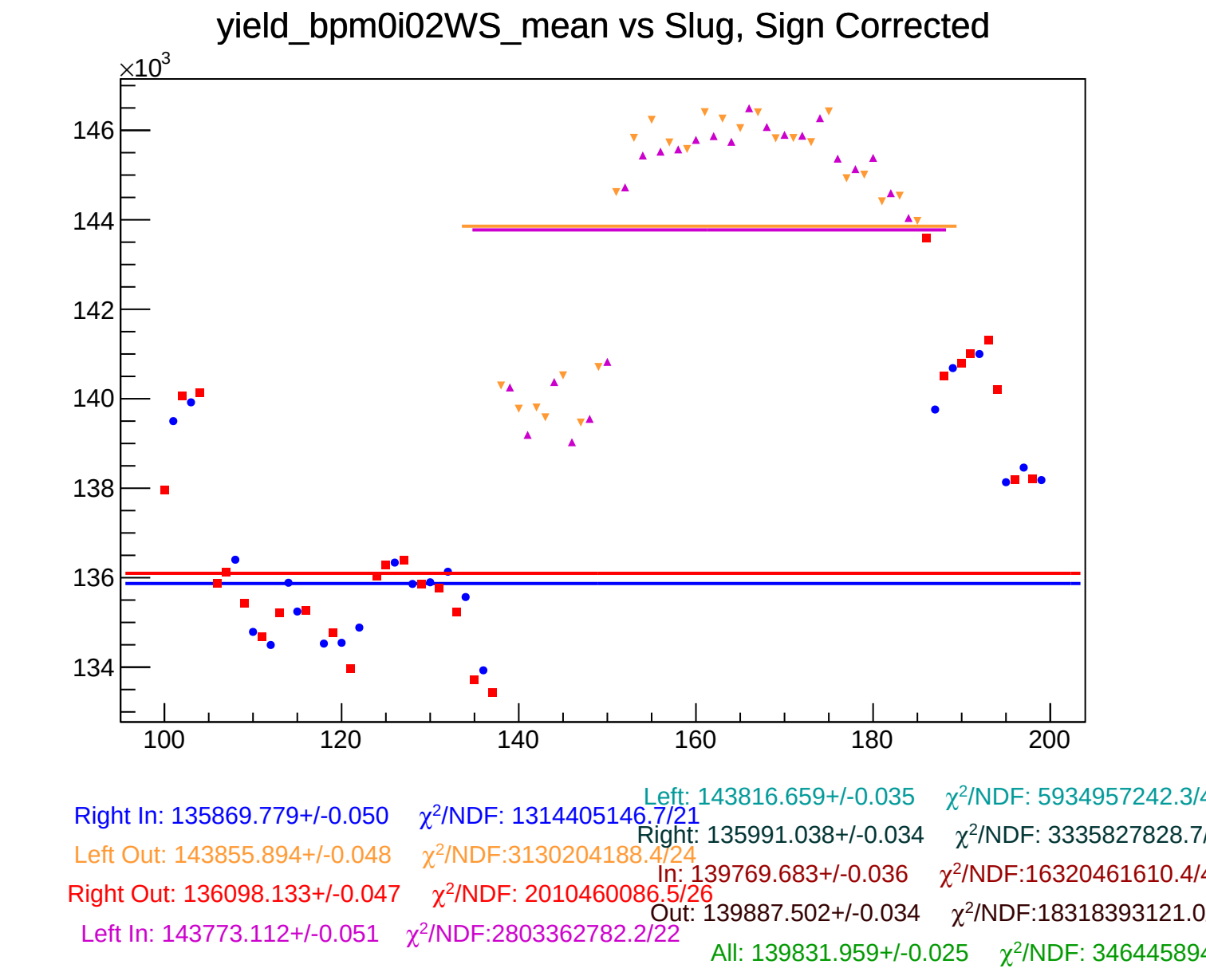
Left: 270.443+/-0.033 χ^2/NDF: 5091950.9/47

Right: 280.224+/-0.042 χ^2/NDF: 3237167.4/48

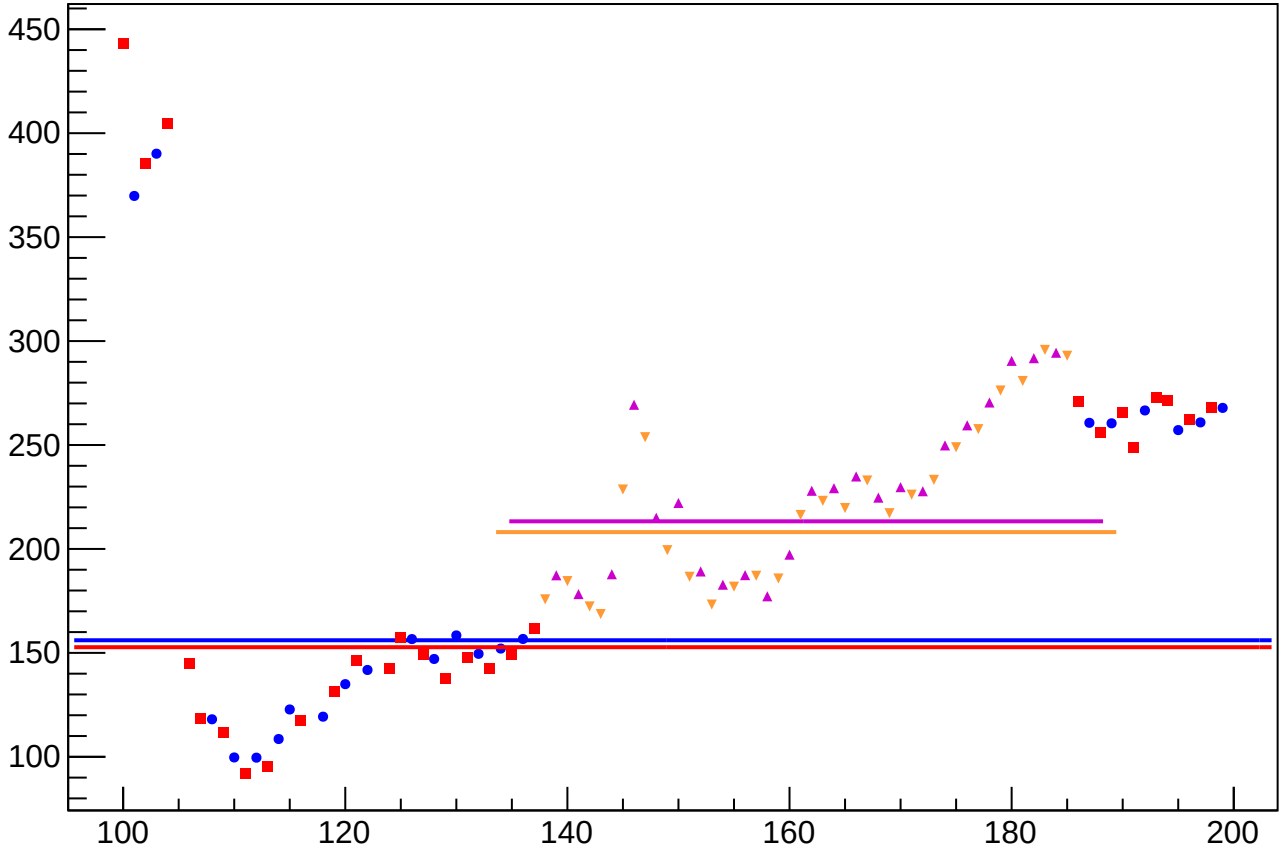
In: 279.095+/-0.038 χ^2/NDF:3748734.2/44

Out: 269.717+/-0.035 χ^2/NDF:4581128.2/51

All: 274.097+/-0.026 χ^2/NDF: 8362684.9/96


yield_bpm0i02WS_mean vs Slug, Sign Corrected
×10^3
146
144
142
140
138
136
134
100
120
140
160
180
200
Right In: 135869.779+/-0.050 χ²/NDF: 1314405146.7/21
Left Out: 143855.894+/-0.048 χ²/NDF:3130204188.4/24
Right Out: 136098.133+/-0.047 χ²/NDF: 2010460086.5/26
Left In: 143773.112+/-0.051 χ²/NDF:2803362782.2/22
Left: 143816.659+/-0.035 χ²/NDF: 5934957242.3/4
Right: 135991.038+/-0.034 χ²/NDF: 3335827828.7/
In: 139769.683+/-0.036 χ²/NDF:16320461610.4/4
Out: 139887.502+/-0.034 χ²/NDF:18318393121.0
All: 139831.959+/-0.025 χ²/NDF: 34644589

yield_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 156.068+/-0.036 χ^2/NDF: 3056365.0/21

Left Out: 208.100+/-0.034 χ^2/NDF:993011.6/24

Right Out: 152.735+/-0.033 χ^2/NDF: 3798129.6/26

Left In: 213.288+/-0.036 χ^2/NDF:865525.4/22

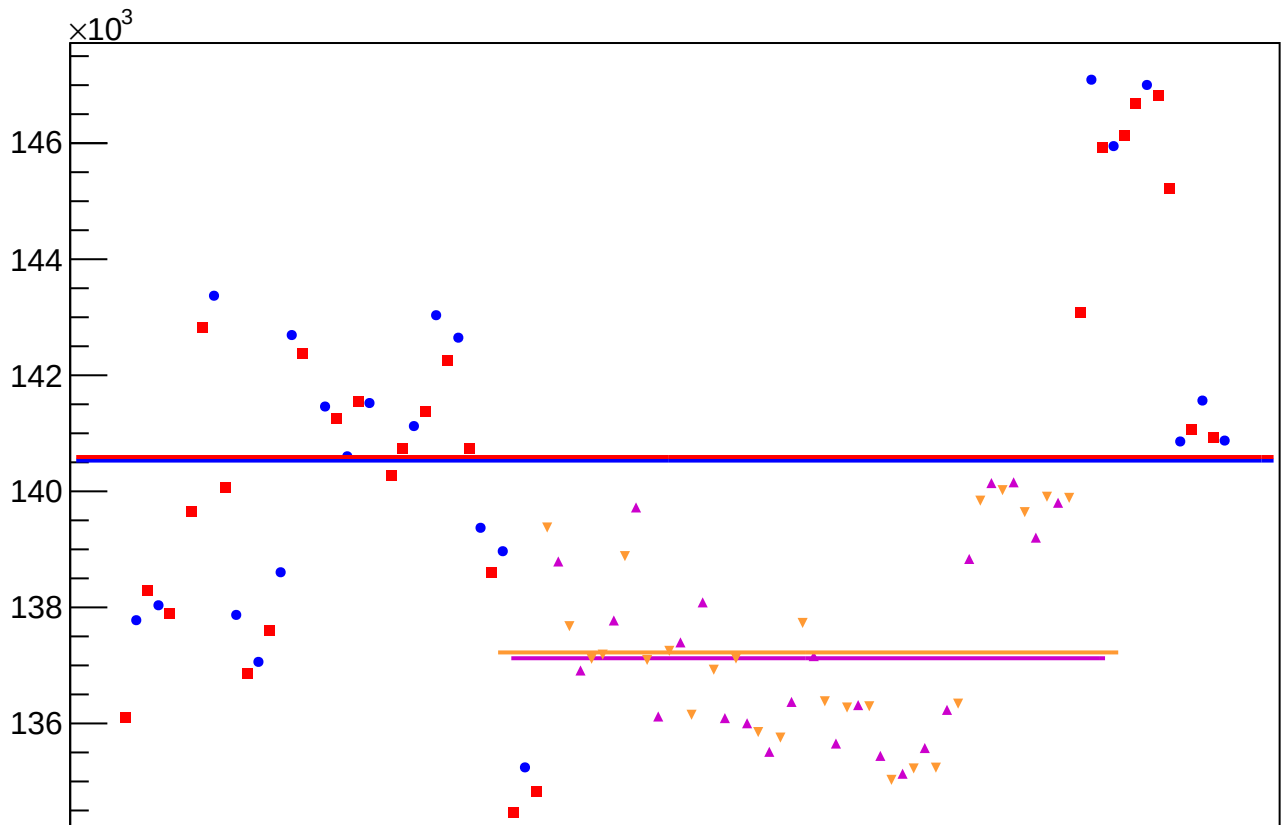
Left: 210.559+/-0.025 χ^2/NDF: 1869455.6/47

Right: 154.298+/-0.024 χ^2/NDF: 6859165.2/48

In: 184.303+/-0.025 χ^2/NDF:5201155.5/44

Out: 179.779+/-0.024 χ^2/NDF:6133521.8/51

All: 181.912+/-0.017 χ^2/NDF: 11351589.1/96



Right In: 140530.112+/-0.056 χ^2/NDF: 2806072308.0/21

Left Out: 137223.651+/-0.049 χ^2/NDF:894565924.0/24

Right Out: 140591.421+/-0.053 χ^2/NDF: 3238939219.0/26

Left In: 137123.557+/-0.051 χ^2/NDF:860635149.0/22

Left: 137175.466+/-0.035 χ^2/NDF: 1757205976.7/4

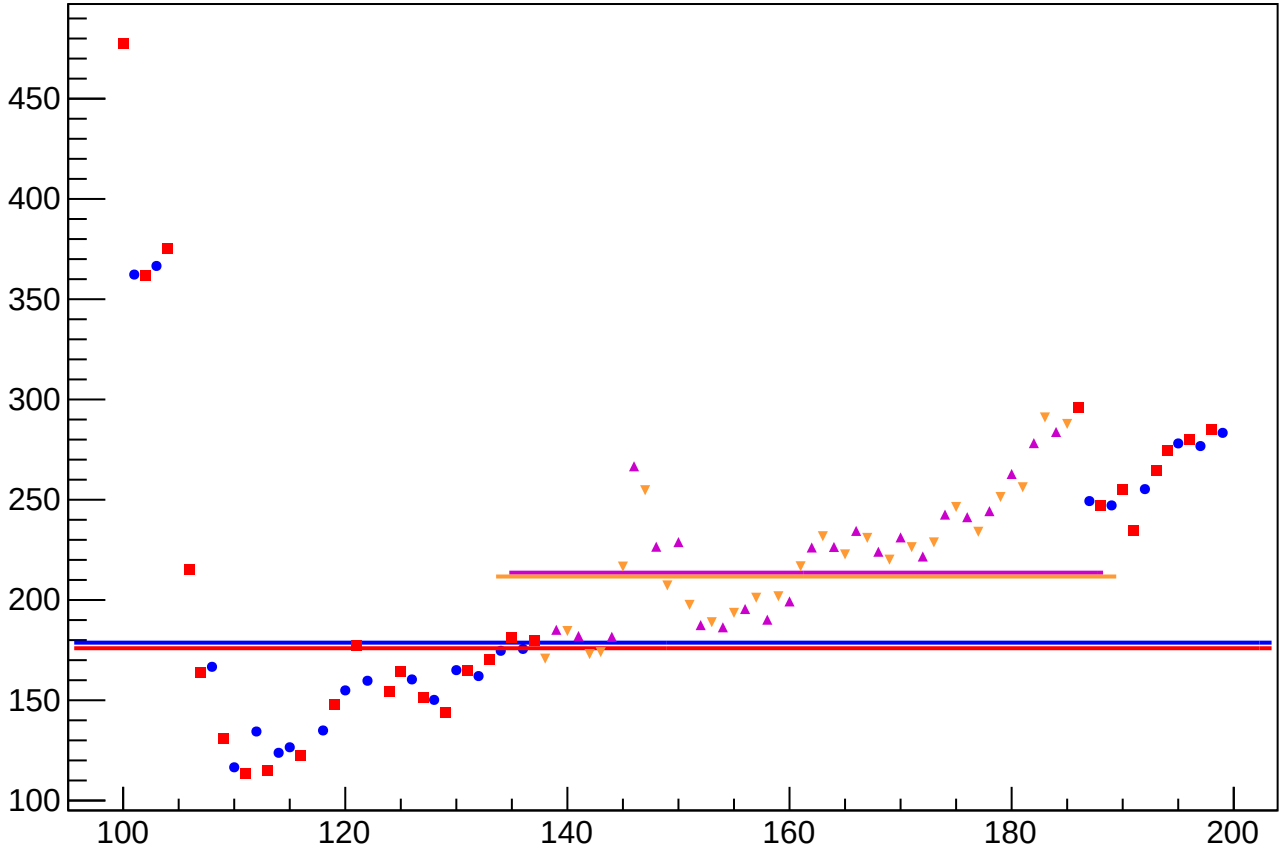
Right: 140562.540+/-0.039 χ^2/NDF: 6045637406.5/

In: 138654.079+/-0.038 χ^2/NDF:5678577998.5/44

Out: 138771.303+/-0.036 χ^2/NDF:6300161483.9/5

All: 138715.422+/-0.026 χ^2/NDF: 11983777

yield_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 178.736+/-0.040 χ^2/NDF: 2192774.9/21

Left Out: 211.714+/-0.035 χ^2/NDF:675587.4/24

Right Out: 175.946+/-0.038 χ^2/NDF: 2807664.1/26

Left In: 213.641+/-0.036 χ^2/NDF:621332.1/22

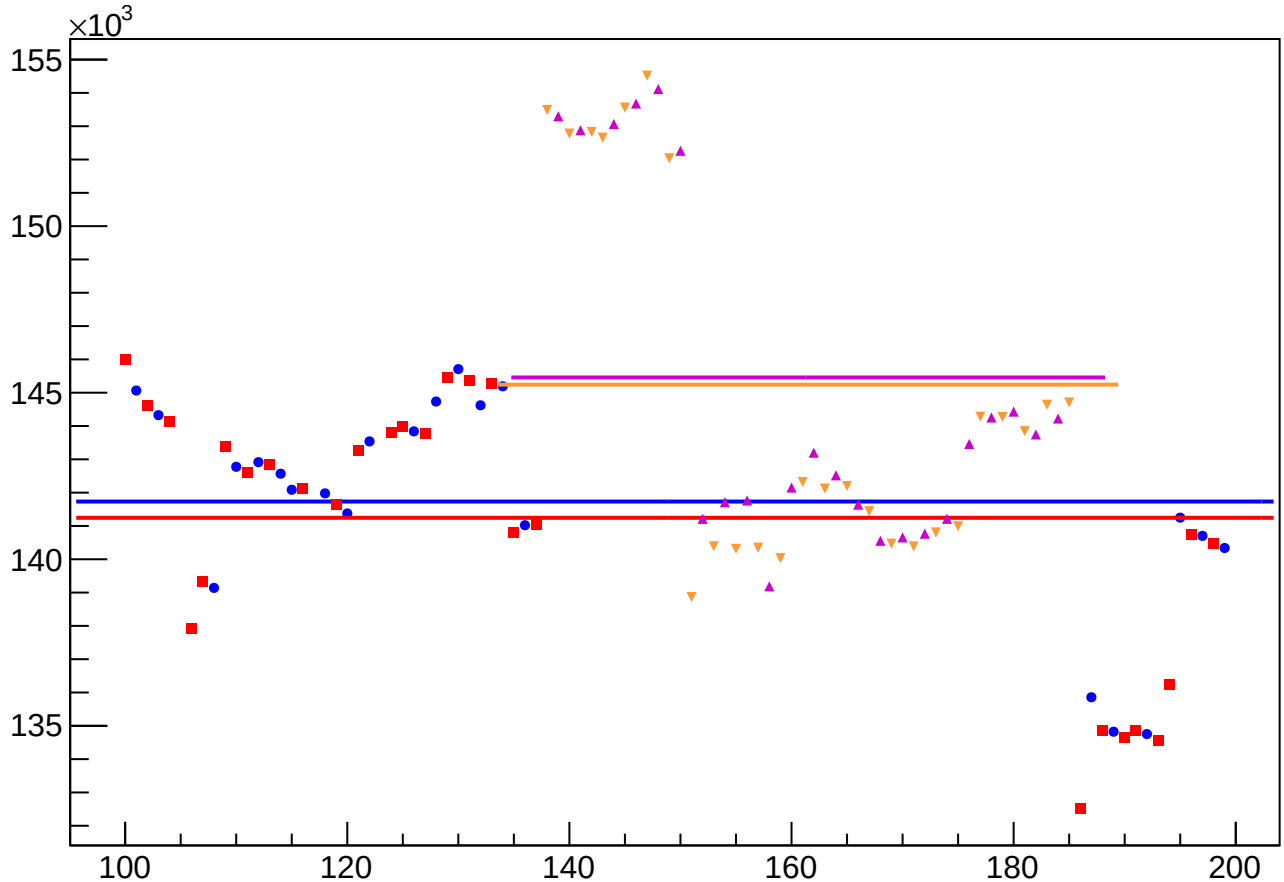
Left: 212.641+/-0.025 χ^2/NDF: 1298405.5/47

Right: 177.261+/-0.027 χ^2/NDF: 5003030.8/48

In: 197.959+/-0.027 χ^2/NDF:3236544.2/44

Out: 195.277+/-0.025 χ^2/NDF:3972026.8/51

All: 196.555+/-0.018 χ^2/NDF: 7213844.2/96



Right In: 141732.916+/-0.057 χ^2/NDF: 2709065084.9/21

Left Out: 145242.337+/-0.050 χ^2/NDF:13032998081.1/24

Right Out: 141244.826+/-0.053 χ^2/NDF: 4369117827.0/26

Left In: 145456.704+/-0.052 χ^2/NDF:11073020116.4/22

Left: 145345.374+/-0.036 χ^2/NDF: 24114988758.0

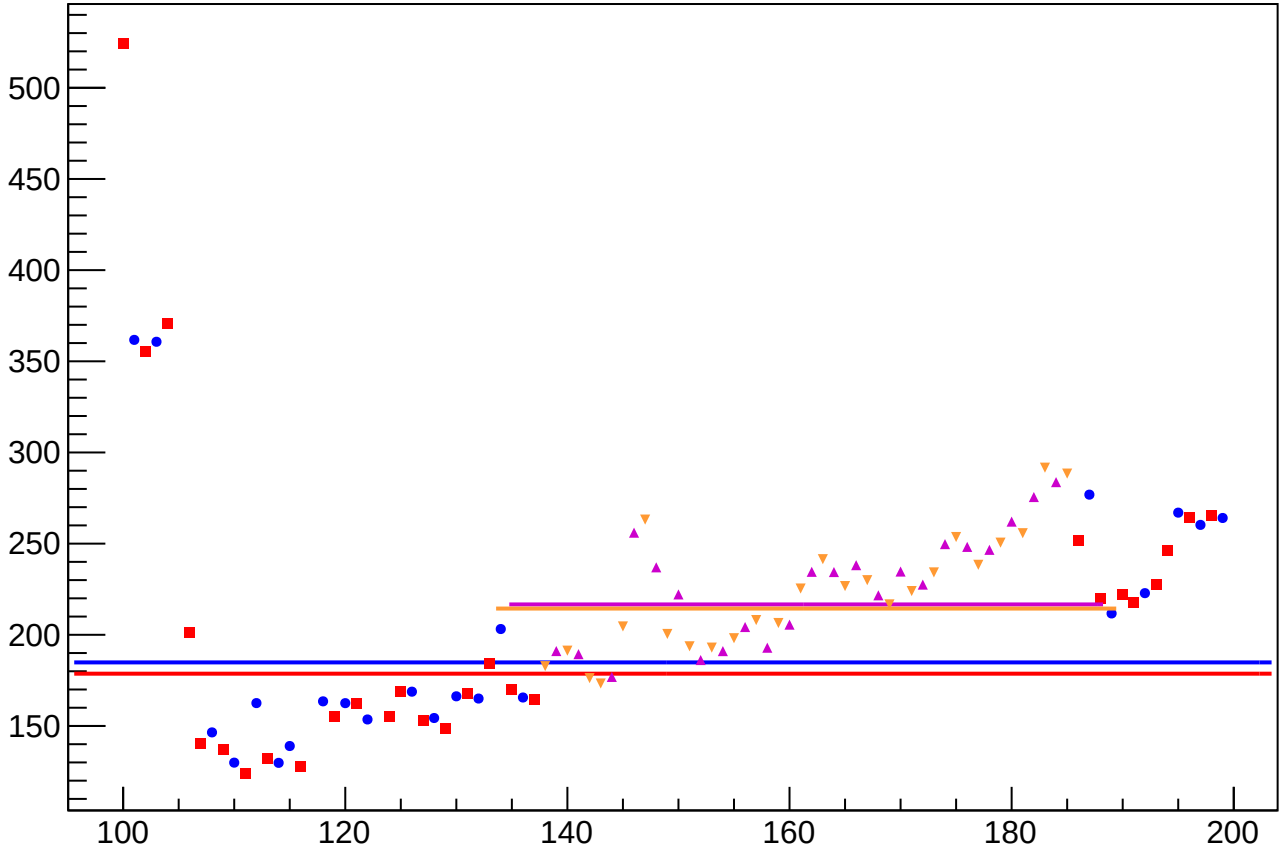
Right: 141469.483+/-0.039 χ^2/NDF: 7117106888.7/

In: 143795.526+/-0.038 χ^2/NDF:16107231402.3/4

Out: 143377.930+/-0.036 χ^2/NDF:20429021617.4

All: 143574.762+/-0.026 χ^2/NDF: 36598134

yield_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 184.860+/-0.041 χ^2/NDF: 1595876.8/21

Left Out: 214.391+/-0.035 χ^2/NDF:643384.3/24

Right Out: 178.675+/-0.038 χ^2/NDF: 1982455.2/26

Left In: 216.654+/-0.036 χ^2/NDF:587166.8/22

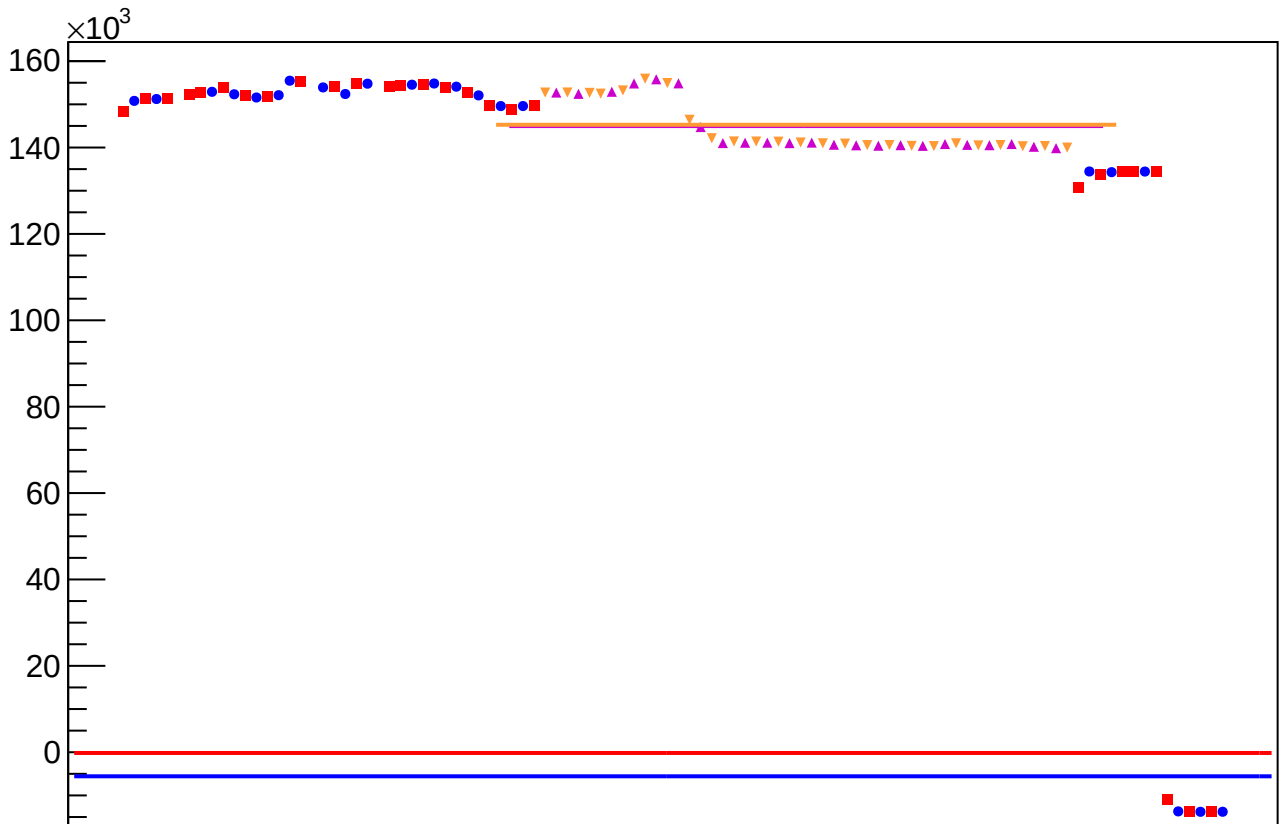
Left: 215.479+/-0.025 χ^2/NDF: 1232550.4/47

Right: 181.522+/-0.028 χ^2/NDF: 3590830.1/48

In: 202.471+/-0.027 χ^2/NDF:2522056.0/44

Out: 197.734+/-0.026 χ^2/NDF:3109091.6/51

All: 199.966+/-0.019 χ^2/NDF: 5647248.3/96



Right In: -5572.506+/-0.015 χ^2/NDF: 5684025101294.0/21

Left Out: 145269.857+/-0.049 χ^2/NDF:13706269279.5/24

Right Out: -169.812+/-0.017 χ^2/NDF: 6697584392431.8/26

Left In: 144966.398+/-0.051 χ^2/NDF:13154547043.3/22

Left: 145123.606+/-0.036 χ^2/NDF: 26879011850.5

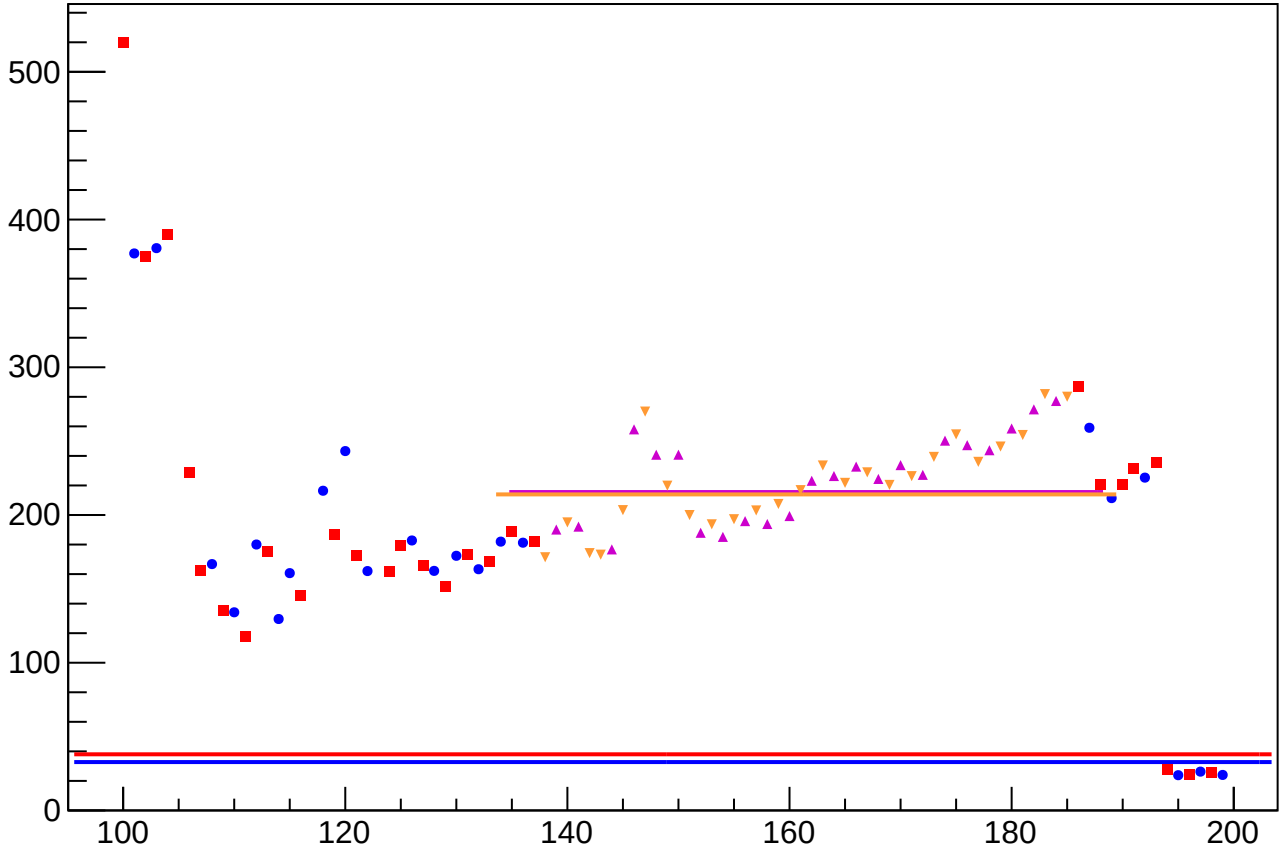
Right: -3229.456+/-0.011 χ^2/NDF: 1243811192687

In: 6278.406+/-0.014 χ^2/NDF:13660159930731.7

Out: 15406.532+/-0.016 χ^2/NDF:14454739834526

All: 10307.384+/-0.011 χ^2/NDF: 2829308086

yield_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 32.753+/-0.011 χ^2/NDF: 12252525.2/21

Left Out: 213.951+/-0.035 χ^2/NDF:650607.8/24

Right Out: 38.011+/-0.012 χ^2/NDF: 13485719.8/26

Left In: 215.539+/-0.036 χ^2/NDF:600575.7/22

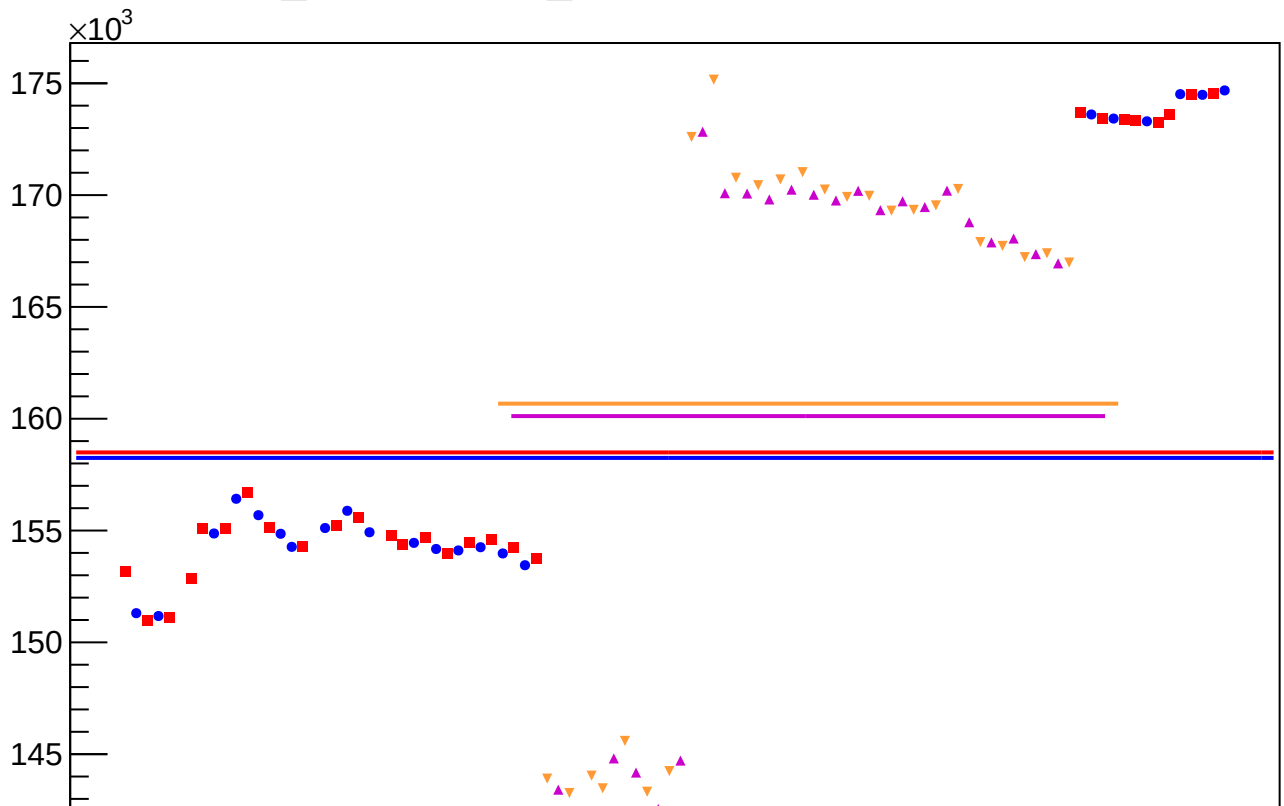
Left: 214.716+/-0.025 χ^2/NDF: 1252179.3/47

Right: 35.033+/-0.008 χ^2/NDF: 25845269.2/48

In: 47.143+/-0.010 χ^2/NDF:36332727.5/44

Out: 56.854+/-0.011 χ^2/NDF:36799918.8/51

All: 51.429+/-0.008 χ^2/NDF: 73535990.5/96



Right In: 158247.887+/-0.059 χ^2/NDF: 16286146123.3/21

Left Out: 160674.818+/-0.047 χ^2/NDF:74155131898.4/24

Right Out: 158493.366+/-0.055 χ^2/NDF: 19128487972.6/26

Left In: 160117.460+/-0.049 χ^2/NDF:66553191753.2/22

Left: 160407.689+/-0.034 χ^2/NDF: 140774615101.

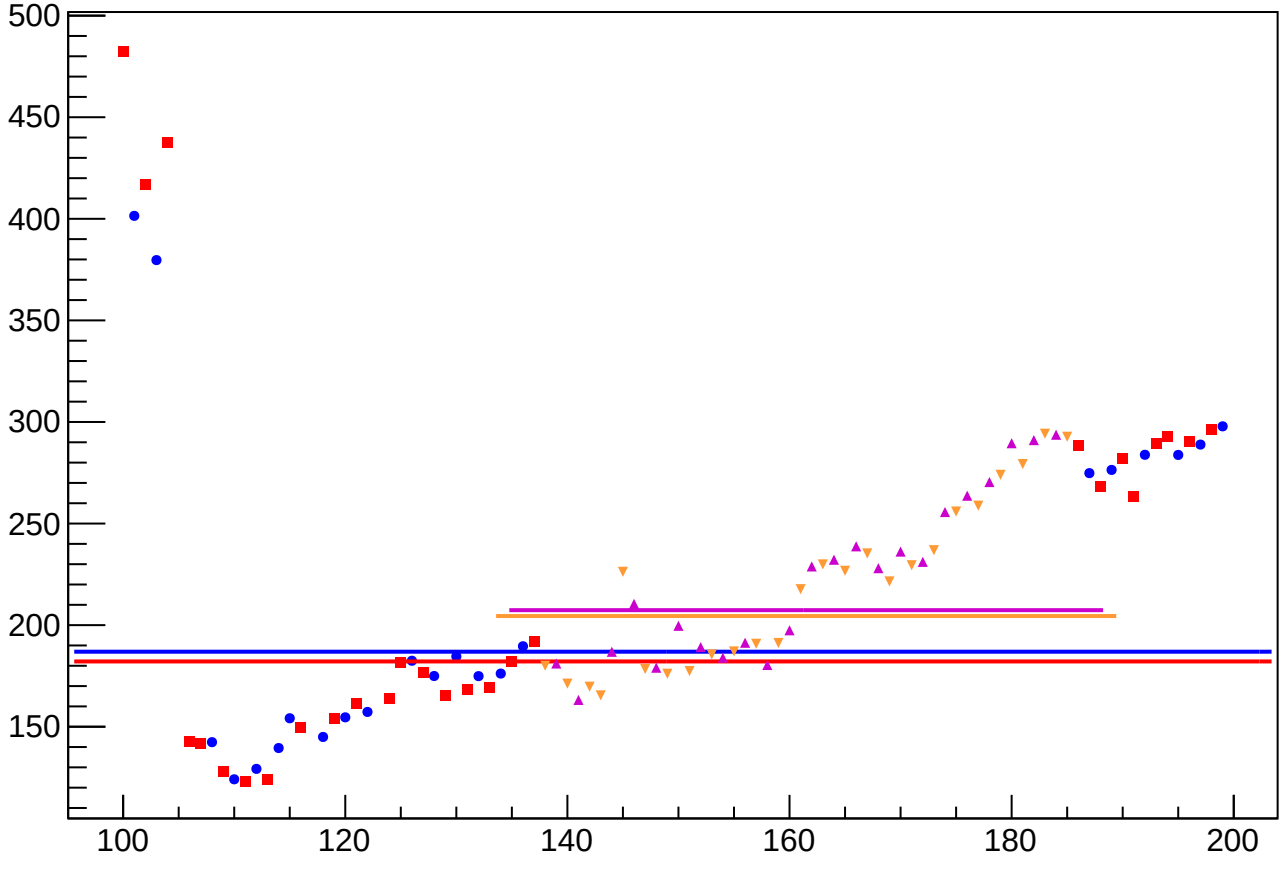
Right: 158379.642+/-0.040 χ^2/NDF: 35423933448.

In: 159346.604+/-0.038 χ^2/NDF:83429942675.9/4

Out: 159741.237+/-0.036 χ^2/NDF:94190393760.9

All: 159554.754+/-0.026 χ^2/NDF: 17767617

yield_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 186.928+/-0.042 χ^2/NDF: 2333536.5/21

Left Out: 204.476+/-0.034 χ^2/NDF:1073199.0/24

Right Out: 182.126+/-0.039 χ^2/NDF: 2968856.3/26

Left In: 207.368+/-0.035 χ^2/NDF:956644.0/22

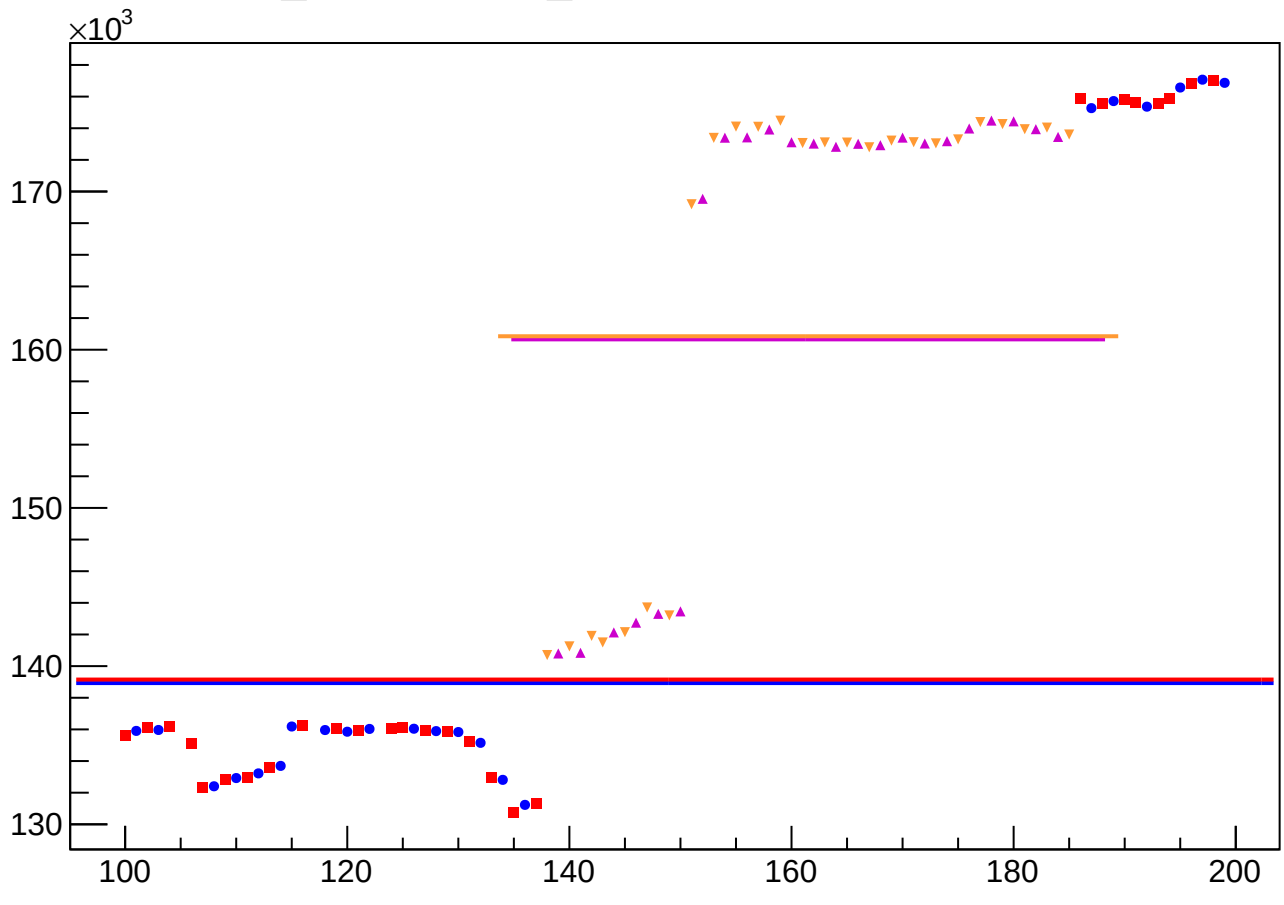
Left: 205.862+/-0.024 χ^2/NDF: 2033412.9/47

Right: 184.351+/-0.028 χ^2/NDF: 5309510.7/48

In: 198.940+/-0.027 χ^2/NDF:3431373.5/44

Out: 194.911+/-0.025 χ^2/NDF:4232429.7/51

All: 196.815+/-0.018 χ^2/NDF: 7675747.2/96



Right In: 138928.154+/-0.048 χ^2/NDF: 76836941236.4/21

Left Out: 160851.077+/-0.048 χ^2/NDF:99202825178.3/24

Right Out: 139151.107+/-0.045 χ^2/NDF: 91417437621.4/26

Left In: 160654.189+/-0.051 χ^2/NDF:90149721861.0/22

Left: 160756.959+/-0.035 χ^2/NDF: 189360447861.

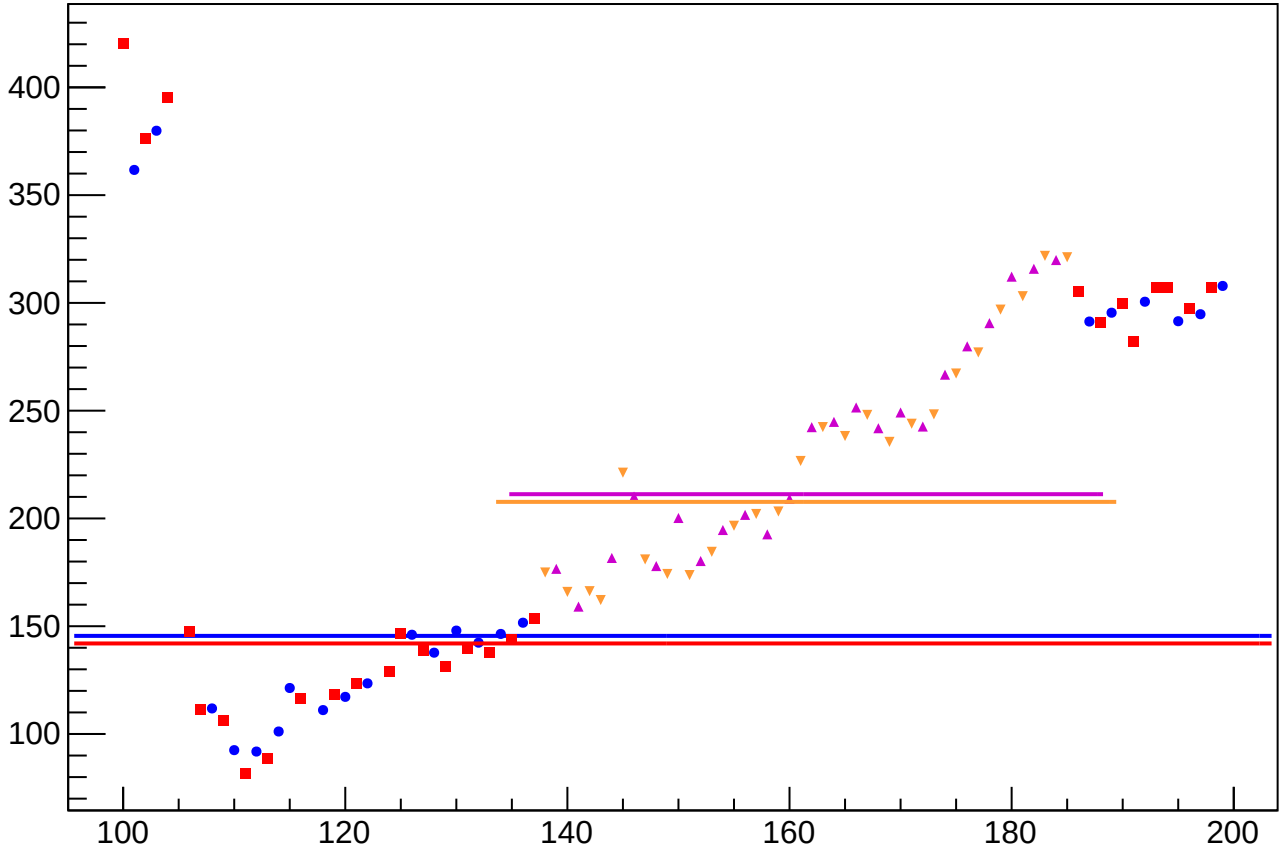
Right: 139046.536+/-0.033 χ^2/NDF: 168265868236

In: 149201.262+/-0.035 χ^2/NDF:264145075402.3

Out: 149216.870+/-0.033 χ^2/NDF:298261098235.

All: 149209.483+/-0.024 χ^2/NDF: 56240627

yield_bpm1i04WS_rms vs Slug, Sign Corrected



Right In: 145.516+/-0.034 χ^2/NDF: 3995985.3/21

Left Out: 207.689+/-0.034 χ^2/NDF:1500711.5/24

Right Out: 142.002+/-0.032 χ^2/NDF: 4965114.0/26

Left In: 211.254+/-0.036 χ^2/NDF:1305730.5/22

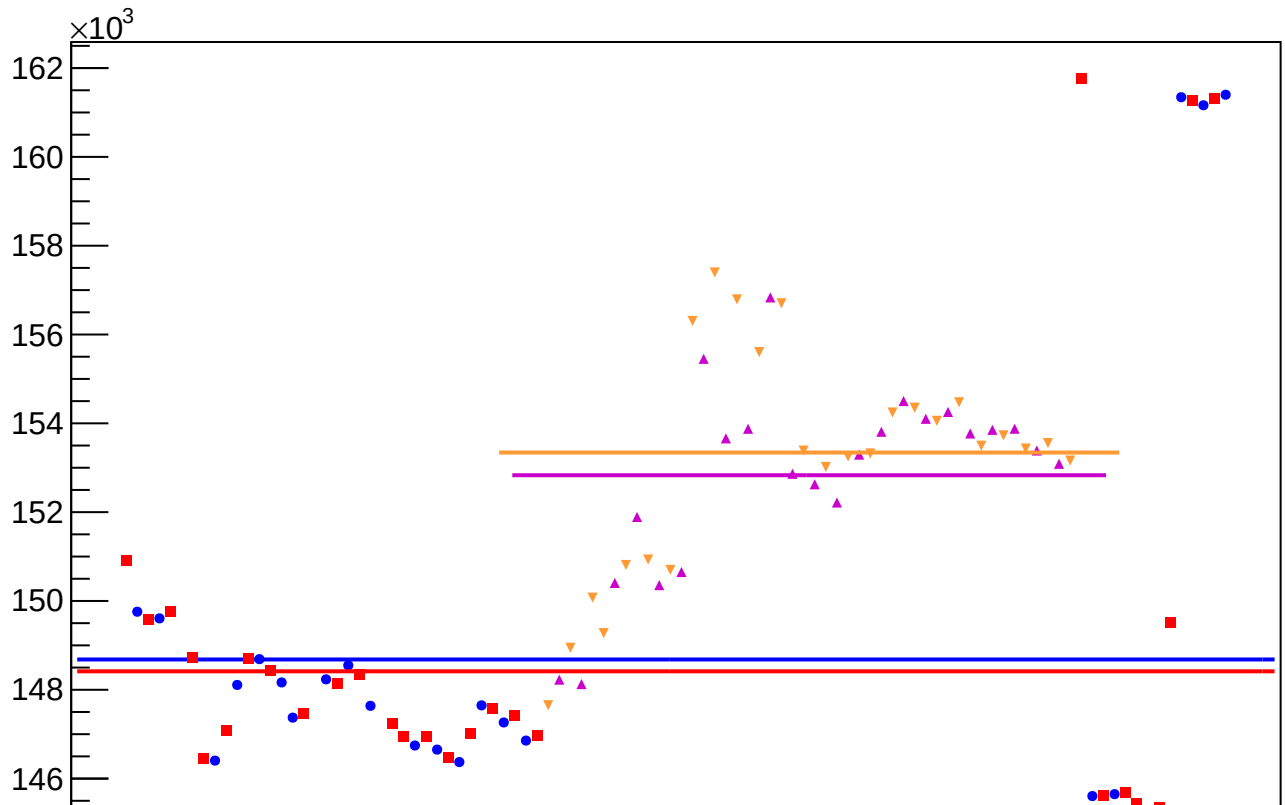
Left: 209.393+/-0.025 χ^2/NDF: 2811623.6/47

Right: 143.650+/-0.023 χ^2/NDF: 8966809.1/48

In: 176.600+/-0.025 χ^2/NDF:7080760.4/44

Out: 172.471+/-0.023 χ^2/NDF:8438493.6/51

All: 174.425+/-0.017 χ^2/NDF: 15534084.9/96



Right In: 148682.562+/-0.057 χ^2/NDF: 5248753893.8/21

Left Out: 153342.472+/-0.051 χ^2/NDF:2978670616.9/24

Right Out: 148415.750+/-0.053 χ^2/NDF: 4300737464.3/26

Left In: 152831.399+/-0.053 χ^2/NDF:1914395326.4/22

Left: 153096.797+/-0.037 χ^2/NDF: 4941719474.7/4

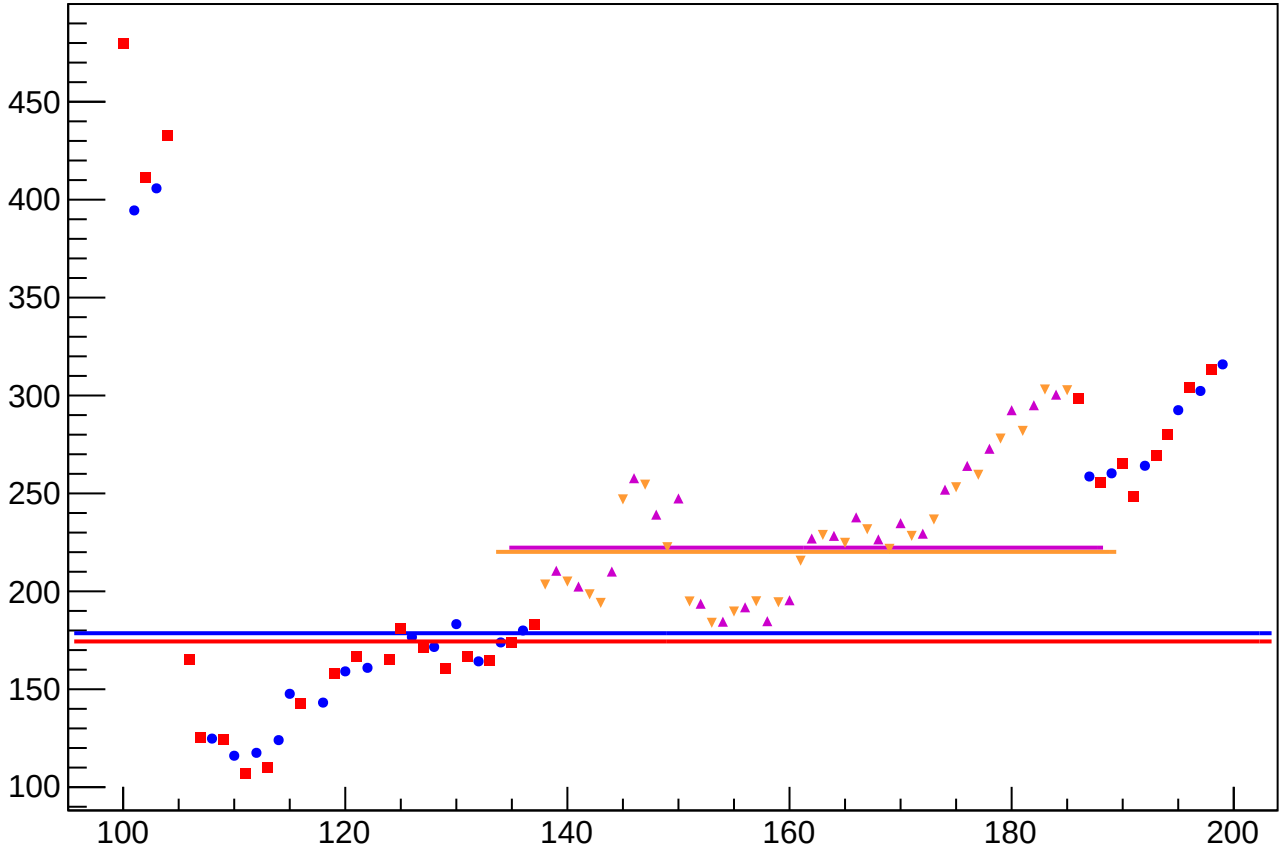
Right: 148539.830+/-0.039 χ^2/NDF: 9561253753.9/

In: 150911.846+/-0.039 χ^2/NDF:10019828580.4/4

Out: 150985.911+/-0.037 χ^2/NDF:11778317062.9

All: 150950.854+/-0.027 χ^2/NDF: 218000743

yield_bpm1i06WS_rms vs Slug, Sign Corrected



Right In: 178.614+/-0.040 χ^2/NDF: 2728653.4/21

Left Out: 220.156+/-0.036 χ^2/NDF:685590.6/24

Right Out: 174.408+/-0.038 χ^2/NDF: 3326549.5/26

Left In: 222.304+/-0.037 χ^2/NDF:697605.9/22

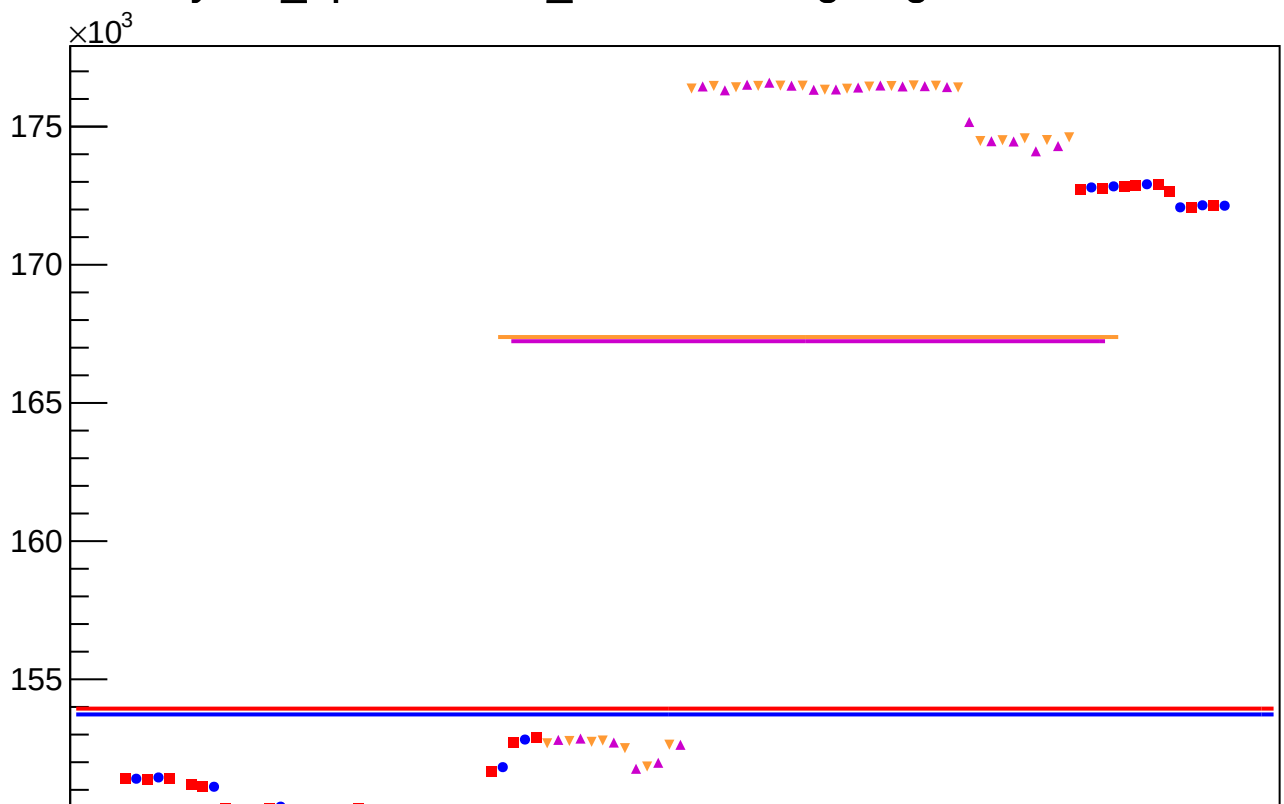
Left: 221.189+/-0.026 χ^2/NDF: 1384916.2/47

Right: 176.364+/-0.027 χ^2/NDF: 6061049.0/48

In: 202.090+/-0.027 χ^2/NDF:4059847.6/44

Out: 198.274+/-0.026 χ^2/NDF:4787959.4/51

All: 200.080+/-0.019 χ^2/NDF: 8858048.8/96



Right In: 153728.597+/-0.051 χ^2/NDF: 23403944665.2/21

Left Out: 167385.483+/-0.047 χ^2/NDF:59602607546.2/24

Right Out: 153939.722+/-0.047 χ^2/NDF: 28815610128.8/26

Left In: 167234.214+/-0.049 χ^2/NDF:55099214555.0/22

Left: 167313.229+/-0.034 χ^2/NDF: 114706826739.

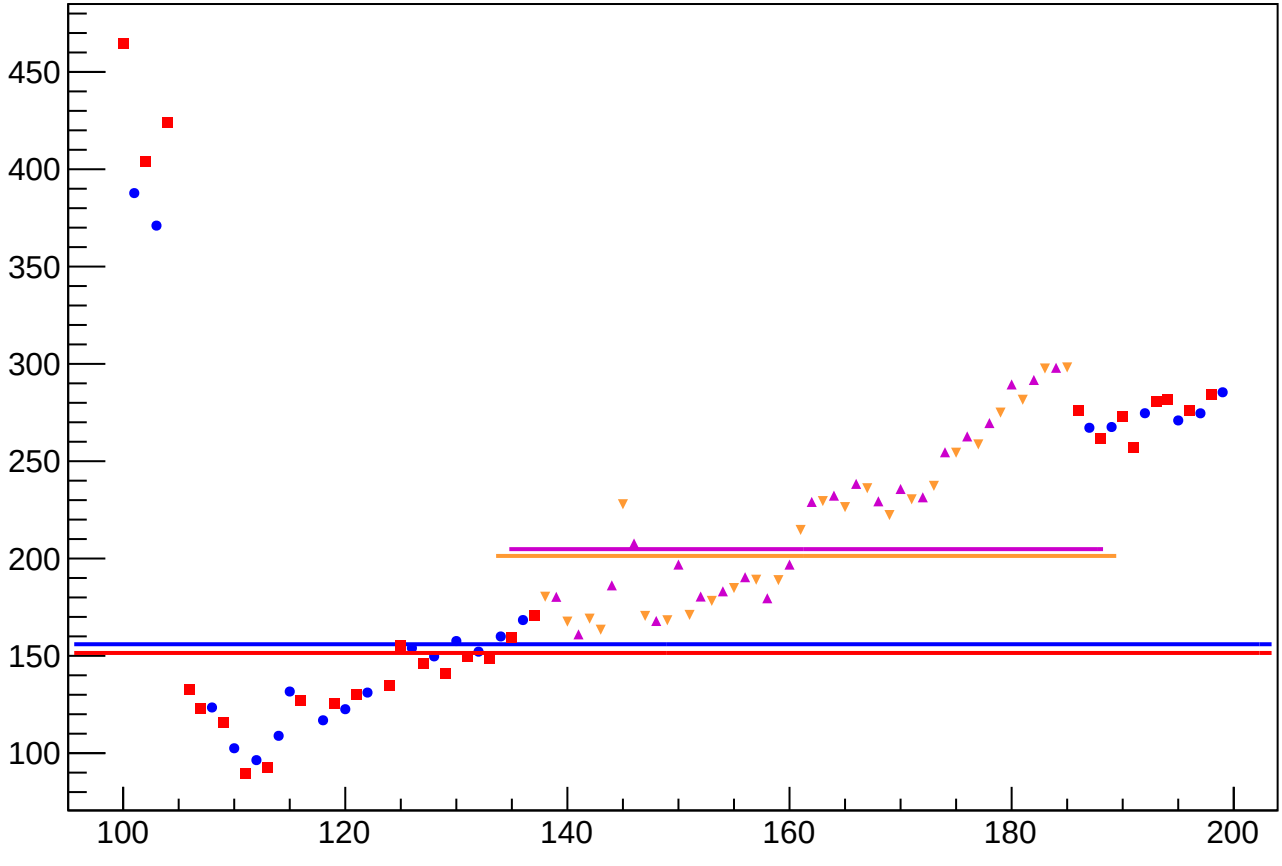
Right: 153841.954+/-0.034 χ^2/NDF: 52228935860.

In: 160704.044+/-0.035 χ^2/NDF:115430671756.0

Out: 160687.720+/-0.033 χ^2/NDF:129654300147.

All: 160695.400+/-0.024 χ^2/NDF: 24508508

yield_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 155.961+/-0.036 χ^2/NDF: 3287749.6/21

Left Out: 201.329+/-0.033 χ^2/NDF:1230655.6/24

Right Out: 151.481+/-0.033 χ^2/NDF: 4130271.7/26

Left In: 204.826+/-0.035 χ^2/NDF:1053130.7/22

Left: 202.999+/-0.024 χ^2/NDF: 2289136.5/47

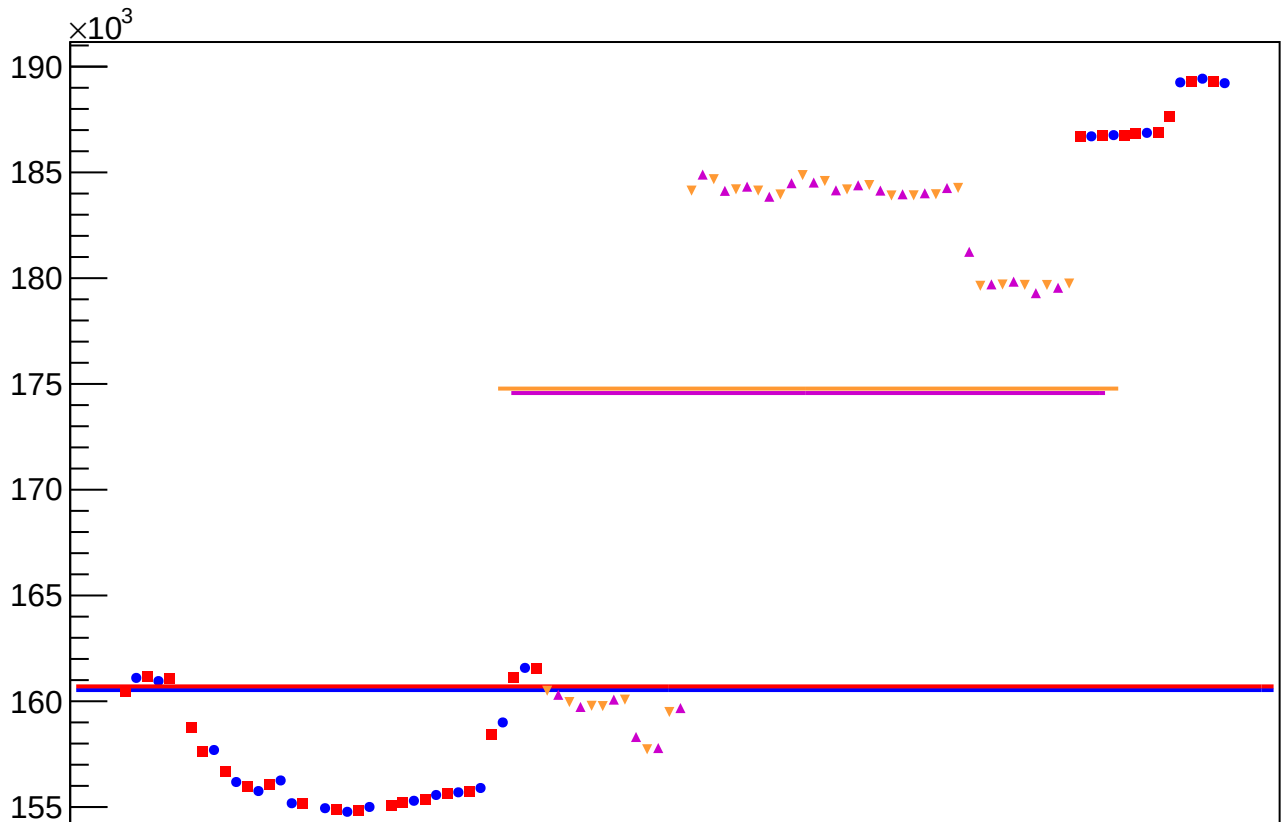
Right: 153.556+/-0.024 χ^2/NDF: 7426468.7/48

In: 181.199+/-0.025 χ^2/NDF:5307689.7/44

Out: 176.498+/-0.023 χ^2/NDF:6494417.3/51

All: 178.710+/-0.017 χ^2/NDF: 11821079.8/96

yield_bpm2i02WS_mean vs Slug, Sign Corrected



Right In: 160529.483+/-0.053 χ^2/NDF: 41298265206.3/21

Left Out: 174780.651+/-0.048 χ^2/NDF:58132787948.0/24

Right Out: 160702.539+/-0.049 χ^2/NDF: 48089899585.4/26

Left In: 174570.001+/-0.050 χ^2/NDF:54757801795.4/22

Left: 174679.876+/-0.035 χ^2/NDF: 112899724862.

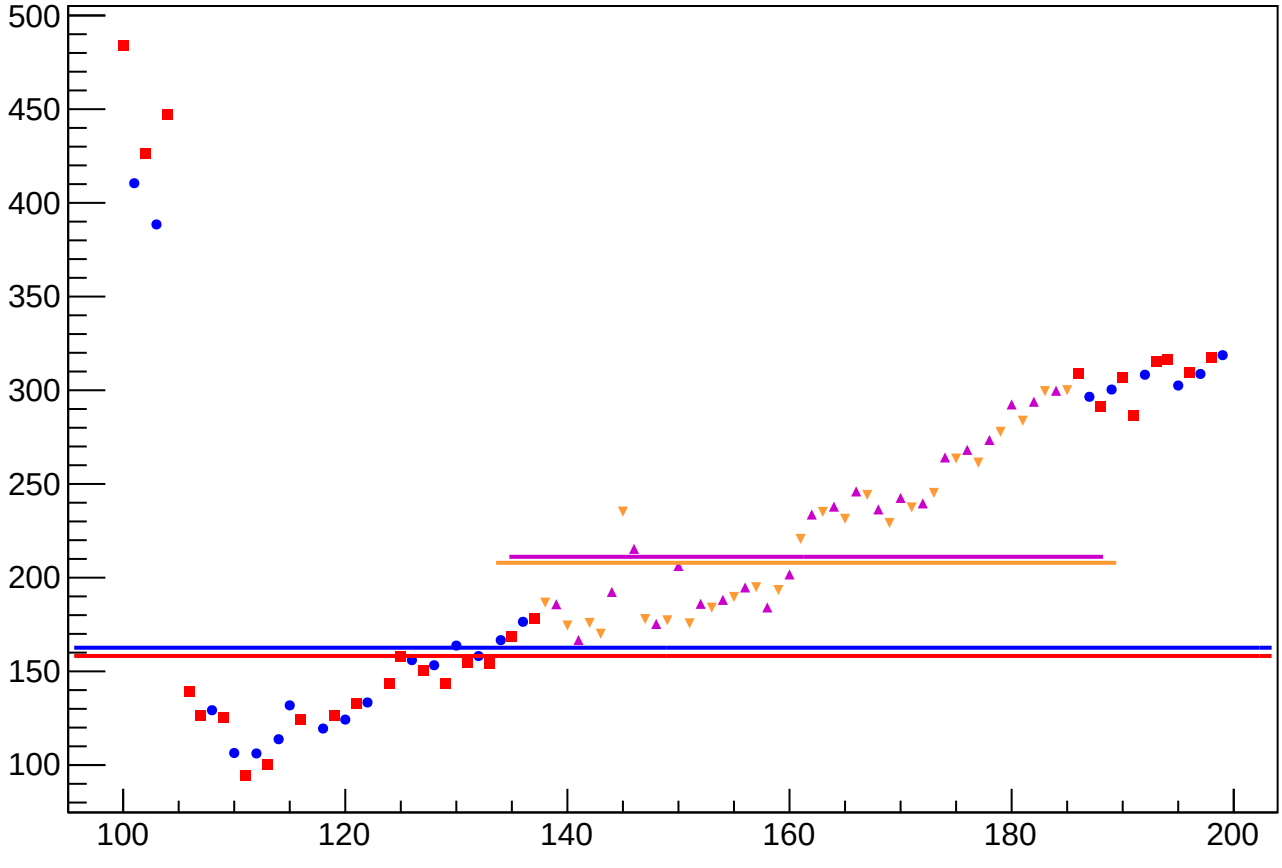
Right: 160622.235+/-0.036 χ^2/NDF: 89393862952.

In: 167921.447+/-0.037 χ^2/NDF:132900002462.4

Out: 167911.697+/-0.034 χ^2/NDF:147836242388.

All: 167916.294+/-0.025 χ^2/NDF: 280736282

yield_bpm2i02WS_rms vs Slug, Sign Corrected



Right In: 162.621+/-0.038 χ^2/NDF: 3573244.6/21

Left Out: 207.940+/-0.034 χ^2/NDF:1132127.7/24

Right Out: 158.212+/-0.035 χ^2/NDF: 4463408.3/26

Left In: 211.133+/-0.036 χ^2/NDF:993720.4/22

Left: 209.467+/-0.025 χ^2/NDF: 2130047.7/47

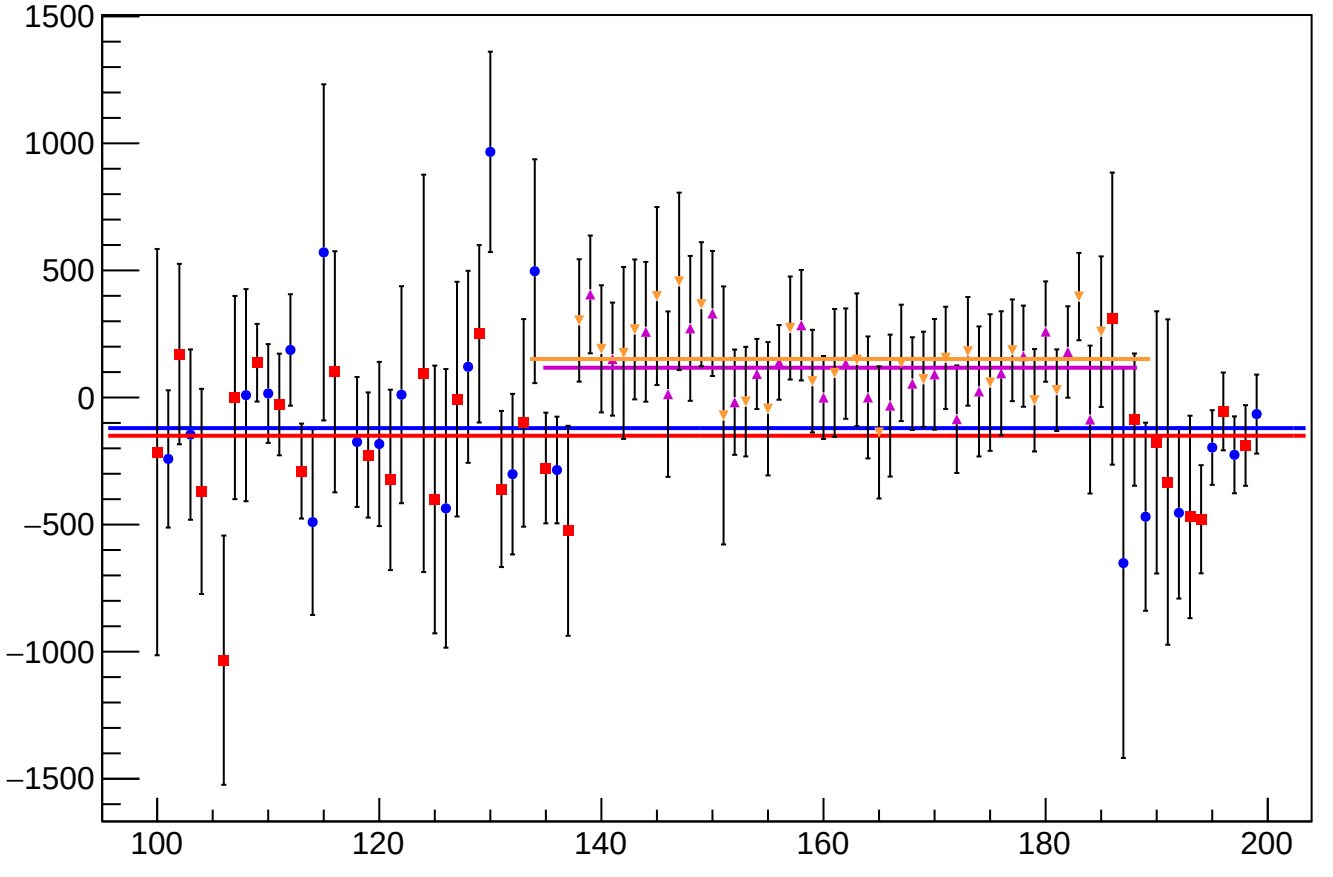
Right: 160.258+/-0.026 χ^2/NDF: 8044049.2/48

In: 188.161+/-0.026 χ^2/NDF:5446661.6/44

Out: 183.677+/-0.024 χ^2/NDF:6633937.9/51

All: 185.791+/-0.018 χ^2/NDF: 12096537.2/96

asym_bcm_target_mean vs Slug, Sign Corrected



Right In: -120.445+/-55.927 χ^2/NDF: 19.5/21

Left Out: 151.598+/-46.419 χ^2/NDF:9.6/24

Right Out: -150.377+/-53.612 χ^2/NDF: 17.2/26

Left In: 117.163+/-43.778 χ^2/NDF:7.5/22

Left: 133.373+/-31.848 χ^2/NDF: 17.4/47

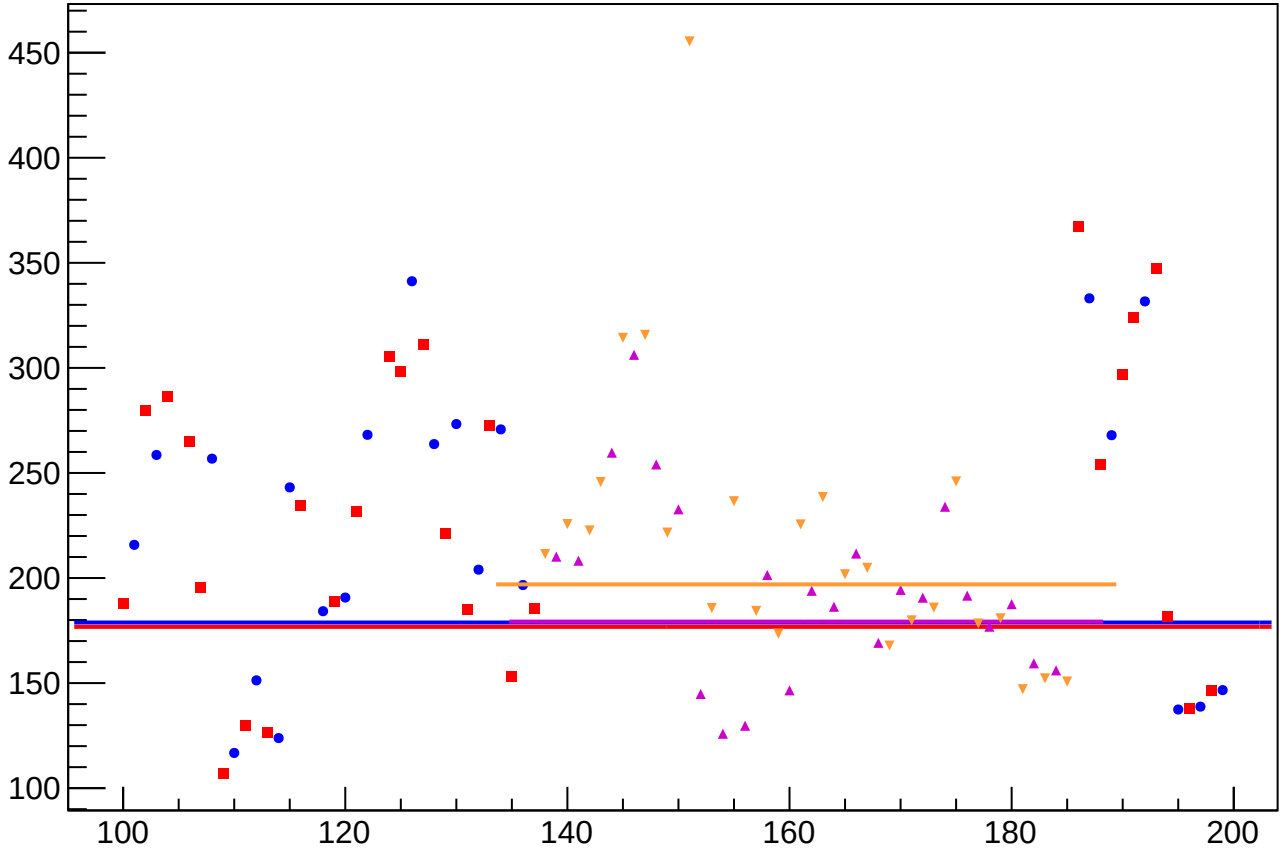
Right: -136.043+/-38.702 χ^2/NDF: 36.9/48

In: 26.888+/-34.473 χ^2/NDF:38.2/44

Out: 22.214+/-35.093 χ^2/NDF:45.0/51

All: 24.593+/-24.592 χ^2/NDF: 83.2/96

asym_bcm_target_rms vs Slug, Sign Corrected



Right In: 178.829+/-0.040 χ^2/NDF: 2109439.8/21

Left Out: 196.975+/-0.033 χ^2/NDF:1809307.4/24

Right Out: 176.762+/-0.038 χ^2/NDF: 2818980.9/26

Left In: 179.256+/-0.031 χ^2/NDF:1656023.5/22

Left: 187.597+/-0.023 χ^2/NDF: 3619571.5/47

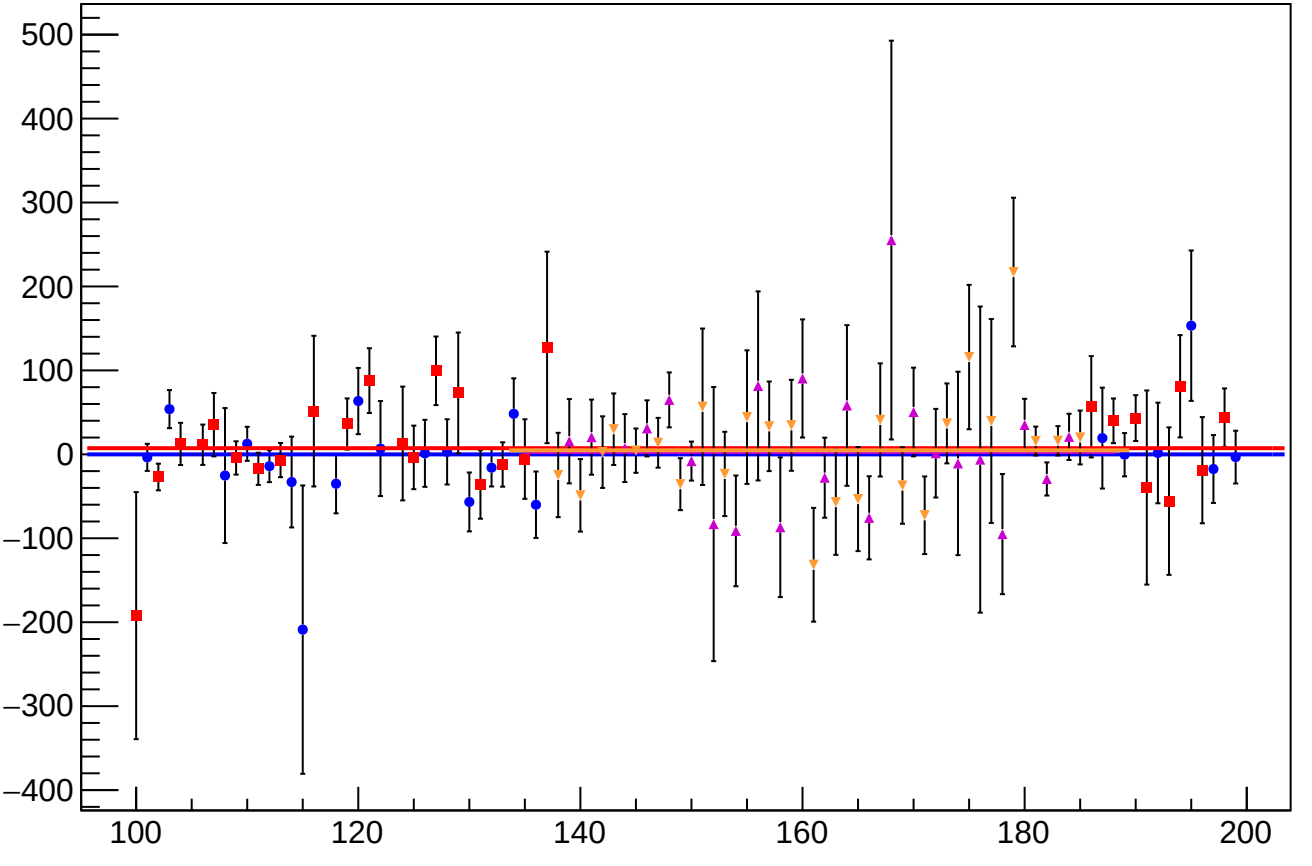
Right: 177.752+/-0.027 χ^2/NDF: 4929845.2/48

In: 179.094+/-0.024 χ^2/NDF:3765535.5/44

Out: 188.315+/-0.025 χ^2/NDF:4790781.4/51

All: 183.622+/-0.017 χ^2/NDF: 8626586.9/96

asym_bcm_an_diff_mean vs Slug, Sign Corrected



Right In: -0.061+/-6.686 χ^2/NDF: 22.1/21

Left Out: 4.803+/-7.601 χ^2/NDF:24.3/24

Right Out: 7.323+/-6.153 χ^2/NDF: 31.3/26

Left In: 2.918+/-8.840 χ^2/NDF:21.5/22

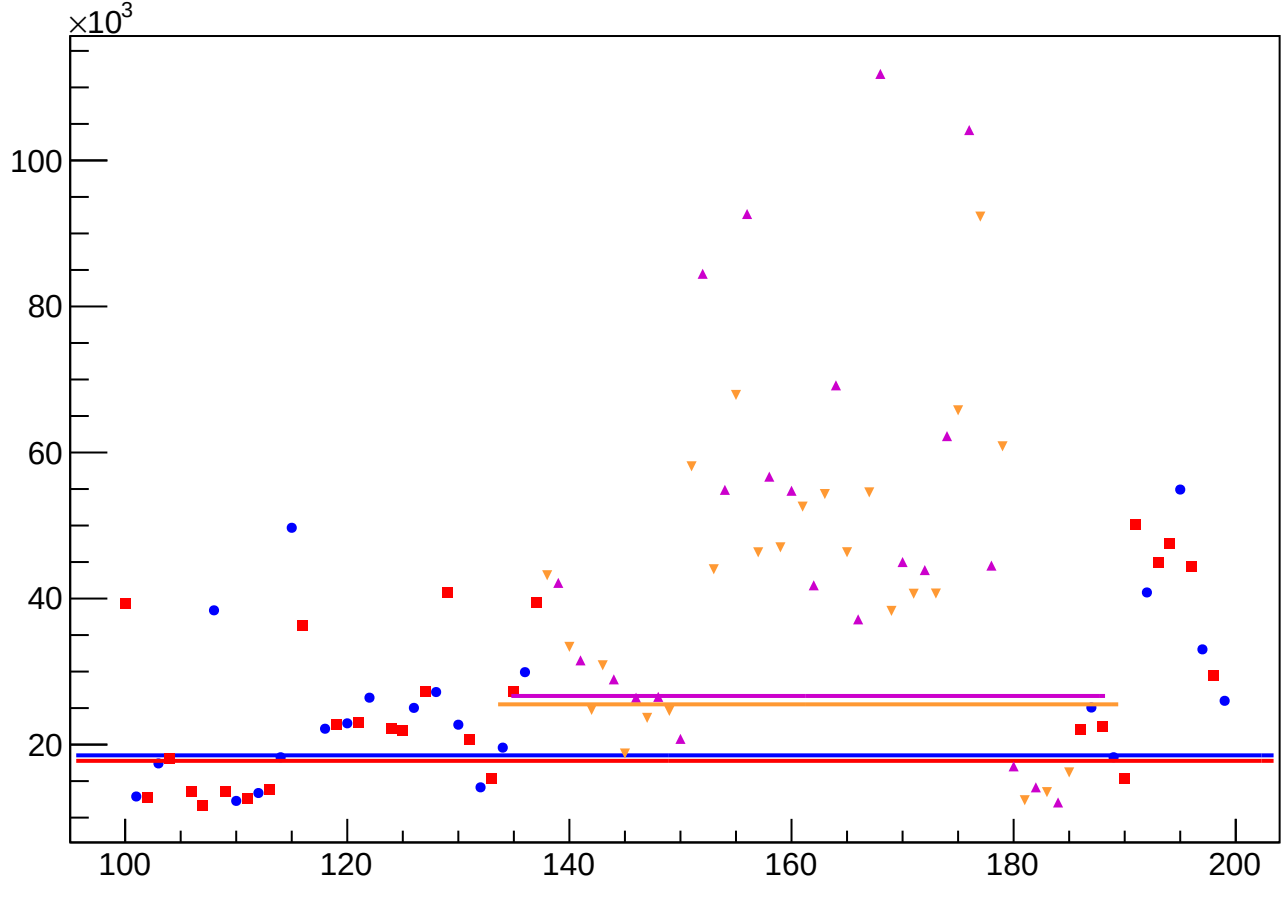
Left: 4.002+/-5.763 χ^2/NDF: 45.9/47

Right: 3.937+/-4.528 χ^2/NDF: 54.0/48

In: 1.023+/-5.333 χ^2/NDF:43.7/44

Out: 6.325+/-4.782 χ^2/NDF:55.6/51

All: 3.962+/-3.560 χ^2/NDF: 99.9/96



Right In: 18527.469+/-4.728 χ^2/NDF: 2283984.1/21

Left Out: 25512.643+/-5.375 χ^2/NDF:7742585.8/24

Right Out: 17774.809+/-4.351 χ^2/NDF: 2856366.9/26

Left In: 26660.853+/-6.251 χ^2/NDF:5883195.1/22

Left: 26000.695+/-4.075 χ^2/NDF: 13645179.5/47

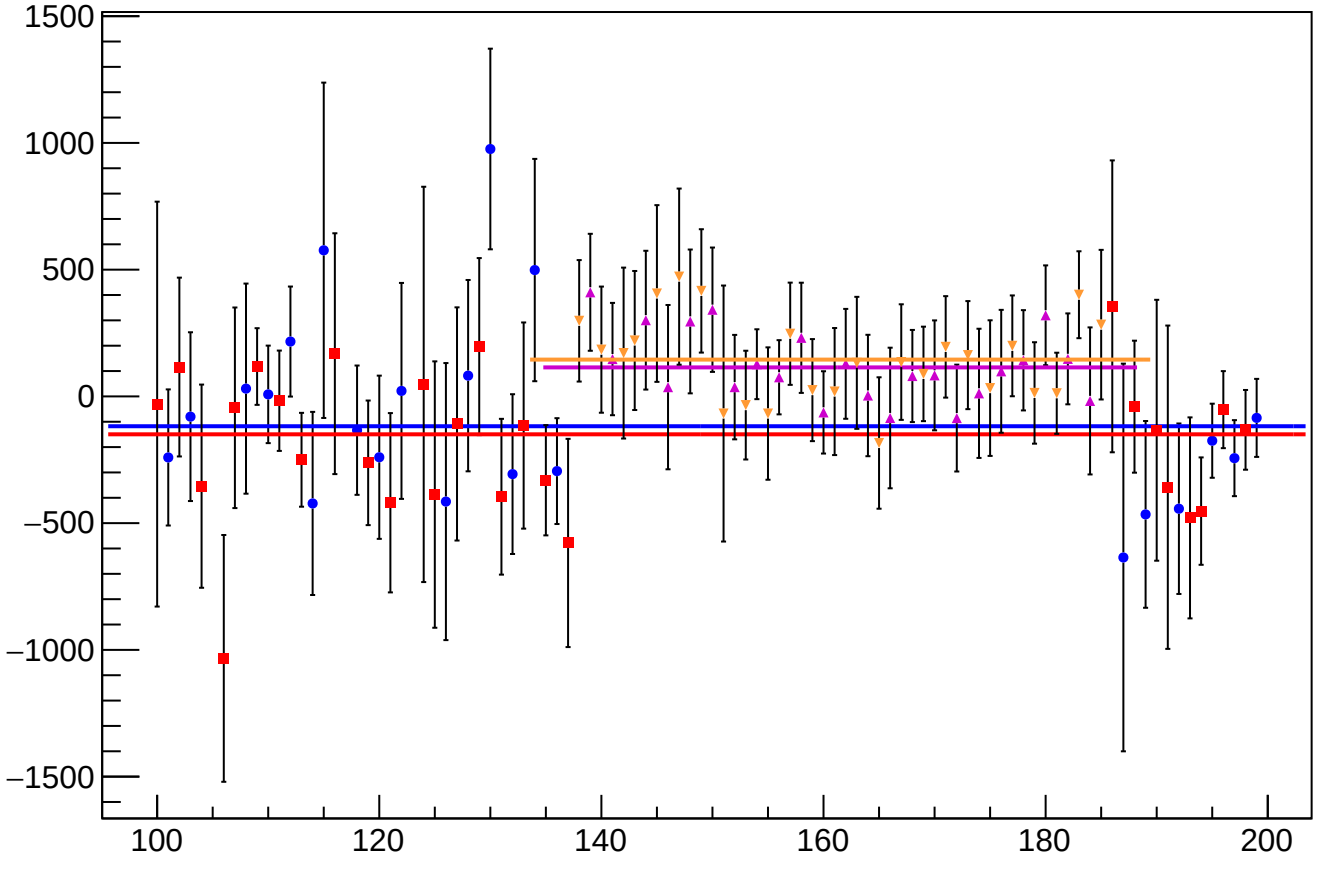
Right: 18119.910+/-3.201 χ^2/NDF: 5154073.6/48

In: 21487.184+/-3.771 χ^2/NDF:9244069.3/44

Out: 20837.842+/-3.382 χ^2/NDF:11851130.9/51

All: 21127.281+/-2.518 χ^2/NDF: 21111635.7

asym_bcm_an_ds_mean vs Slug, Sign Corrected



Right In: -117.701+/-55.566 χ^2/NDF: 19.7/21

Left Out: 145.172+/-46.225 χ^2/NDF:11.2/24

Right Out: -149.572+/-53.290 χ^2/NDF: 17.2/26

Left In: 114.400+/-43.619 χ^2/NDF:8.4/22

Left: 128.894+/-31.725 χ^2/NDF: 19.8/47

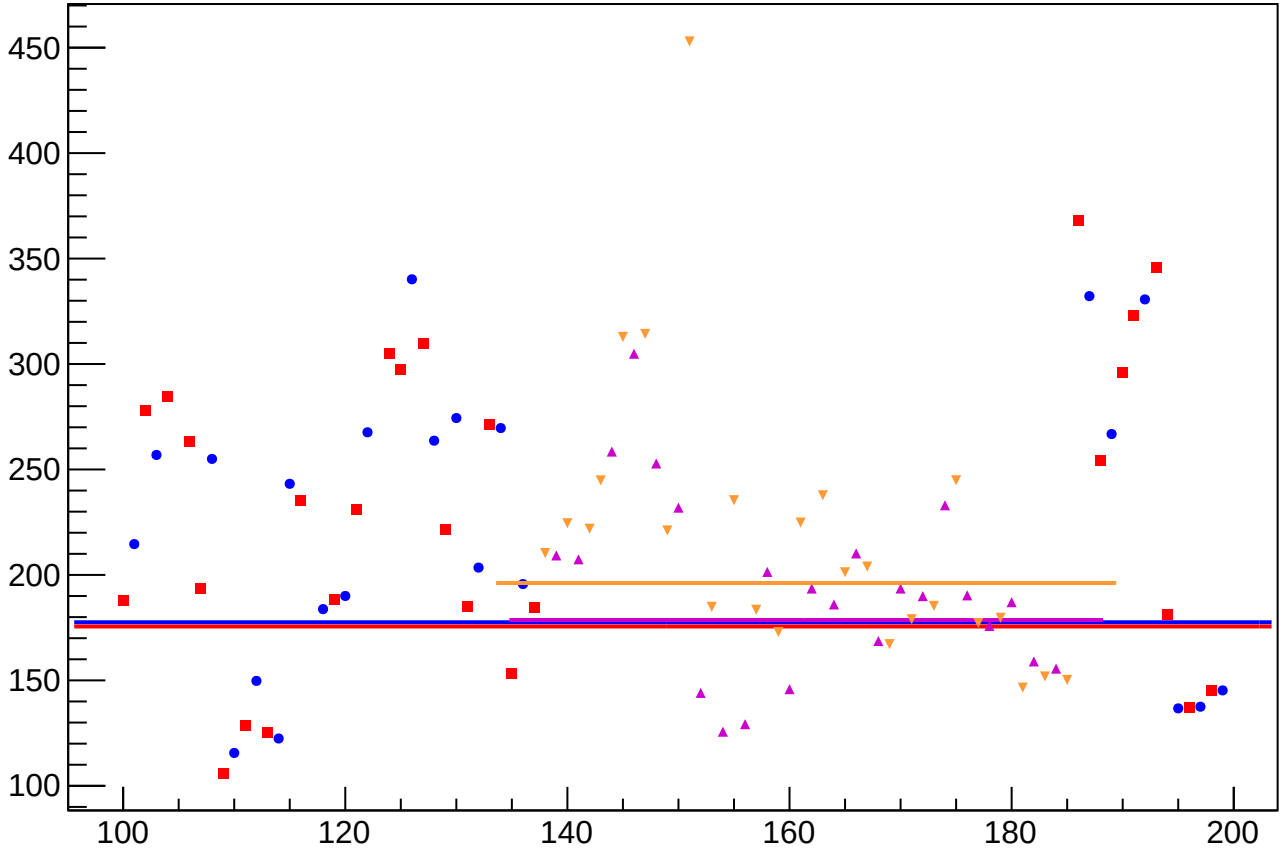
Right: -134.302+/-38.461 χ^2/NDF: 37.1/48

In: 25.905+/-34.311 χ^2/NDF:38.8/44

Out: 18.619+/-34.919 χ^2/NDF:45.9/51

All: 22.326+/-24.473 χ^2/NDF: 84.8/96

asym_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 177.546+/-0.039 χ^2/NDF: 2139941.0/21

Left Out: 196.166+/-0.033 χ^2/NDF:1806871.5/24

Right Out: 175.555+/-0.038 χ^2/NDF: 2856874.2/26

Left In: 178.621+/-0.031 χ^2/NDF:1651873.8/22

Left: 186.885+/-0.022 χ^2/NDF: 3611152.5/47

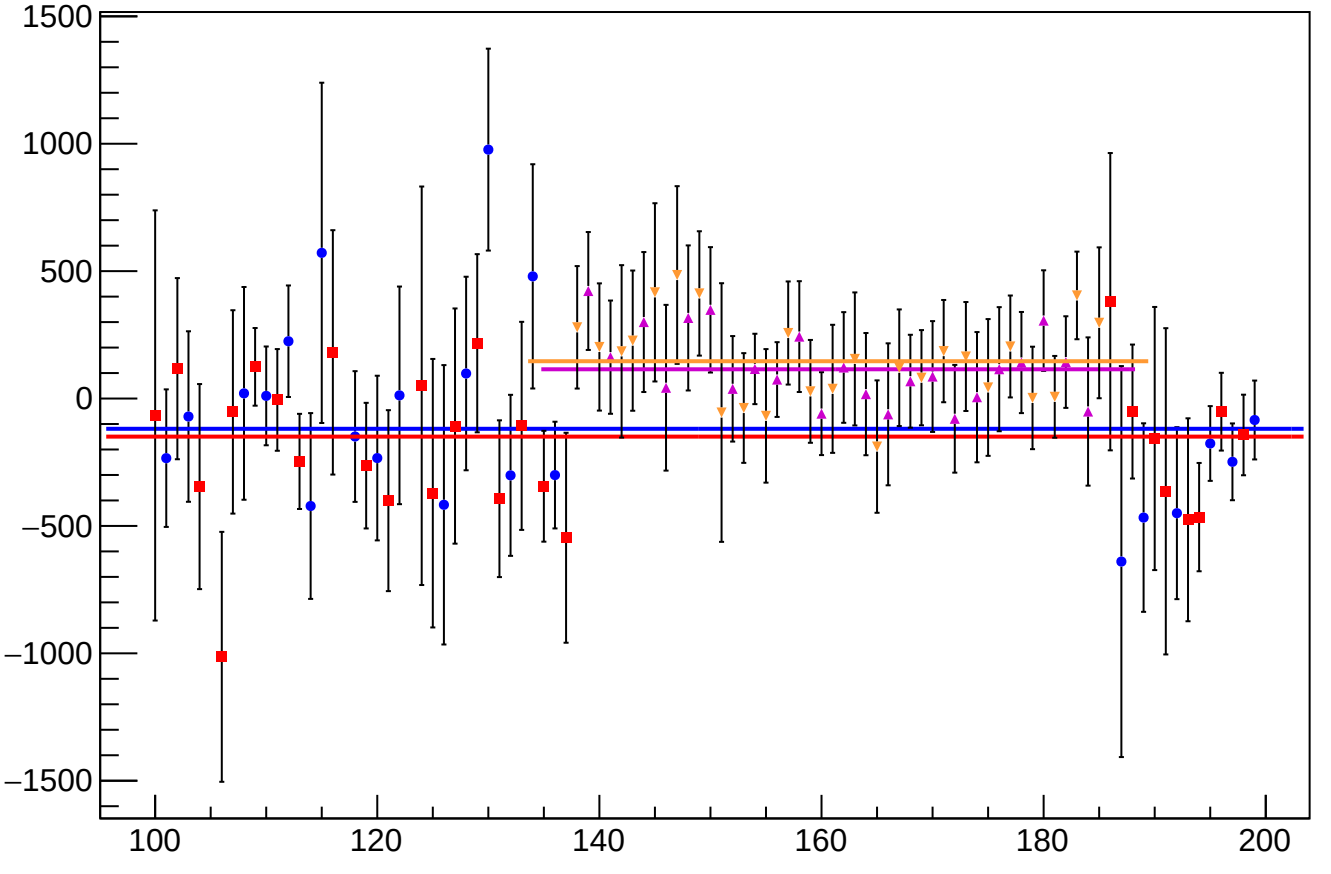
Right: 176.509+/-0.027 χ^2/NDF: 4998152.8/48

In: 178.211+/-0.024 χ^2/NDF:3792278.0/44

Out: 187.316+/-0.025 χ^2/NDF:4834468.7/51

All: 182.683+/-0.017 χ^2/NDF: 8695931.7/96

asym_bcm_an_ds3_mean vs Slug, Sign Corrected



Right In: -118.737+/-55.854 χ^2/NDF: 19.7/21

Left Out: 146.417+/-46.379 χ^2/NDF:11.4/24

Right Out: -149.445+/-53.579 χ^2/NDF: 17.3/26

Left In: 114.807+/-43.740 χ^2/NDF:8.4/22

Left: 129.688+/-31.821 χ^2/NDF: 20.1/47

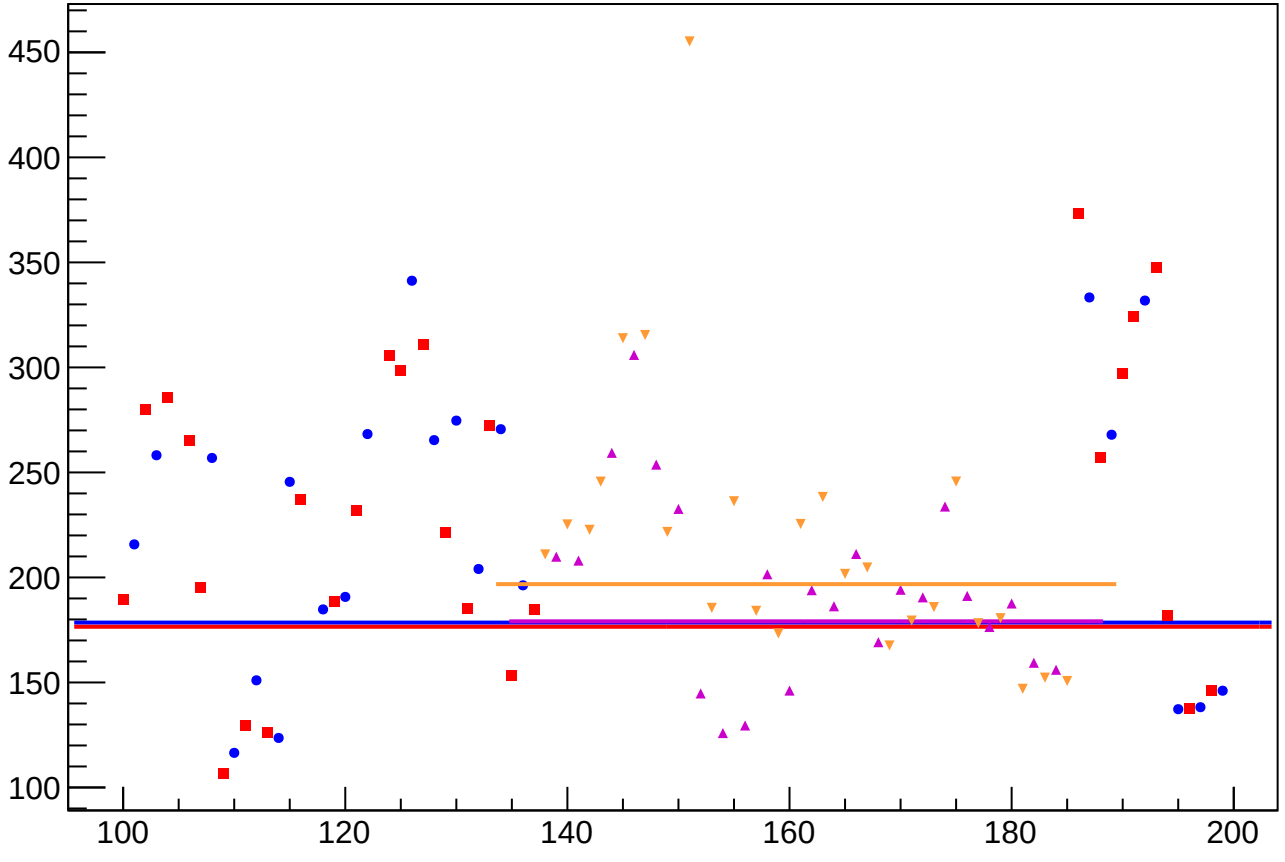
Right: -134.729+/-38.665 χ^2/NDF: 37.1/48

In: 26.026+/-34.437 χ^2/NDF:38.9/44

Out: 19.688+/-35.066 χ^2/NDF:46.1/51

All: 22.915+/-24.570 χ^2/NDF: 85.1/96

asym_bcm_an_ds3_rms vs Slug, Sign Corrected



Right In: 178.508+/-0.039 χ^2/NDF: 2129699.9/21

Left Out: 196.805+/-0.033 χ^2/NDF:1808608.7/24

Right Out: 176.523+/-0.038 χ^2/NDF: 2852127.0/26

Left In: 179.101+/-0.031 χ^2/NDF:1655866.1/22

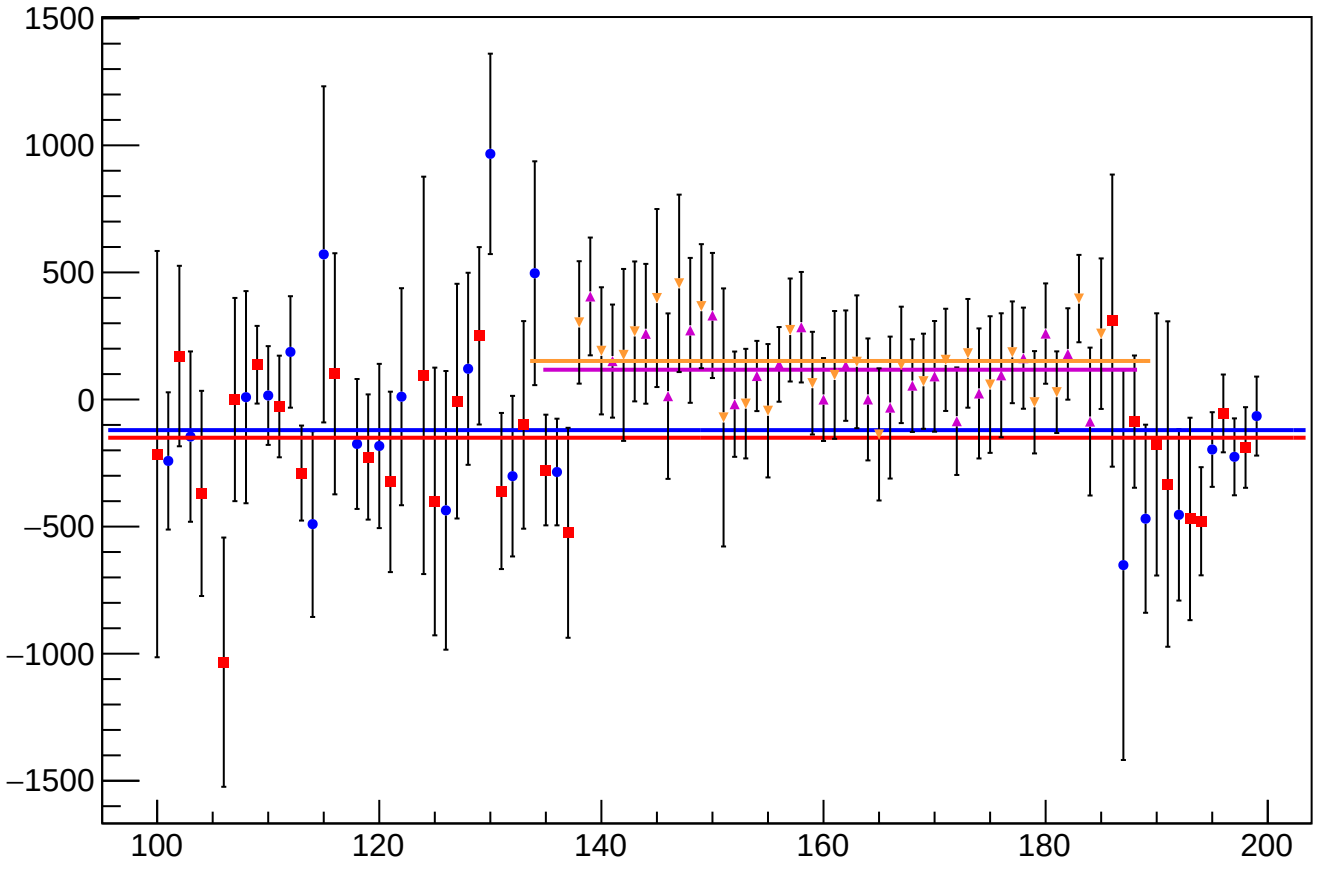
Left: 187.435+/-0.023 χ^2/NDF: 3618723.6/47

Right: 177.474+/-0.027 χ^2/NDF: 4983142.4/48

In: 178.875+/-0.024 χ^2/NDF:3785705.7/44

Out: 188.118+/-0.025 χ^2/NDF:4824577.8/51

All: 183.413+/-0.017 χ^2/NDF: 8681006.8/96



Right In: -120.445+/-55.927 χ^2/NDF: 19.5/21

Left Out: 151.598+/-46.419 χ^2/NDF:9.6/24

Right Out: -150.377+/-53.612 χ^2/NDF: 17.2/26

Left In: 117.163+/-43.778 χ^2/NDF:7.5/22

Left: 133.373+/-31.848 χ^2/NDF: 17.4/47

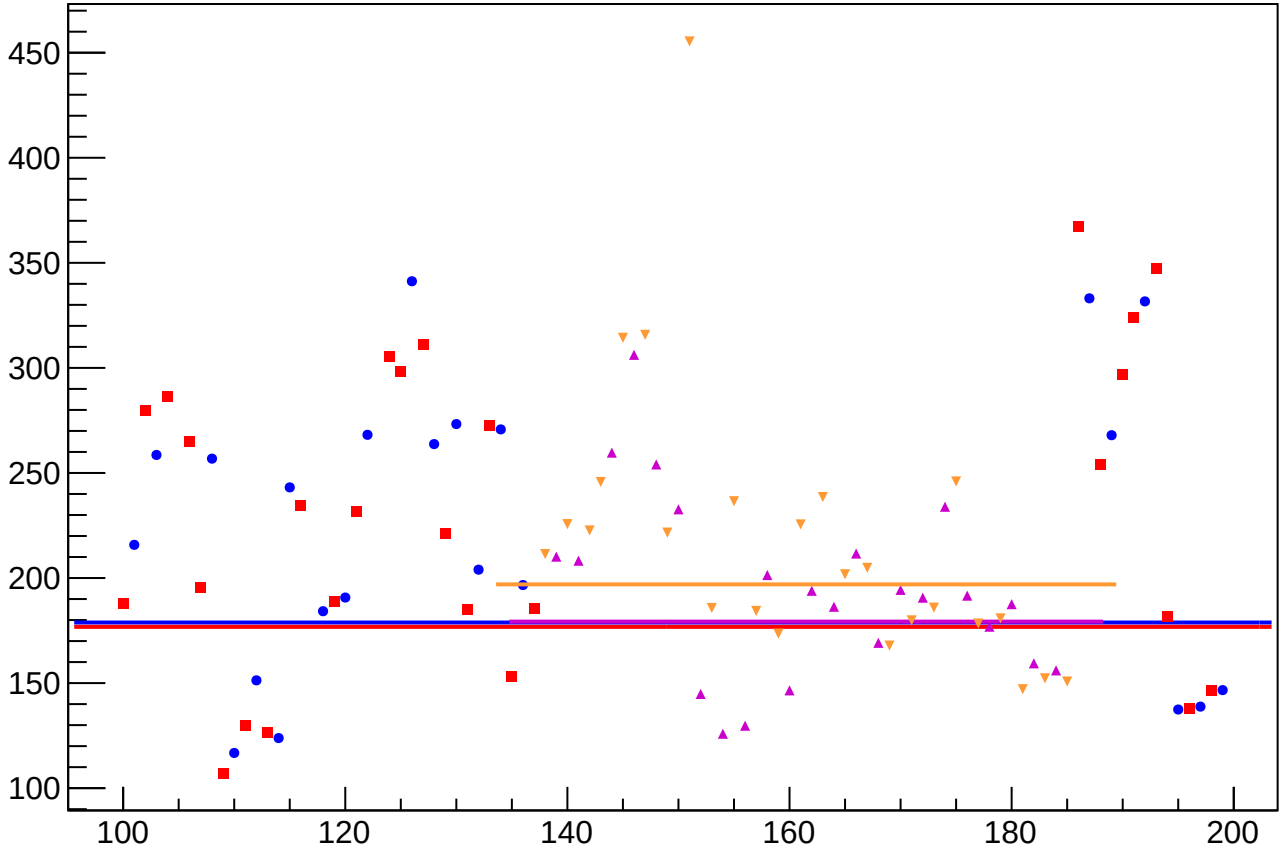
Right: -136.043+/-38.702 χ^2/NDF: 36.9/48

In: 26.888+/-34.473 χ^2/NDF:38.2/44

Out: 22.214+/-35.093 χ^2/NDF:45.0/51

All: 24.593+/-24.592 χ^2/NDF: 83.2/96

asym_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 178.829+/-0.040 χ^2/NDF: 2109439.8/21

Left Out: 196.975+/-0.033 χ^2/NDF:1809307.4/24

Right Out: 176.762+/-0.038 χ^2/NDF: 2818980.9/26

Left In: 179.256+/-0.031 χ^2/NDF:1656023.5/22

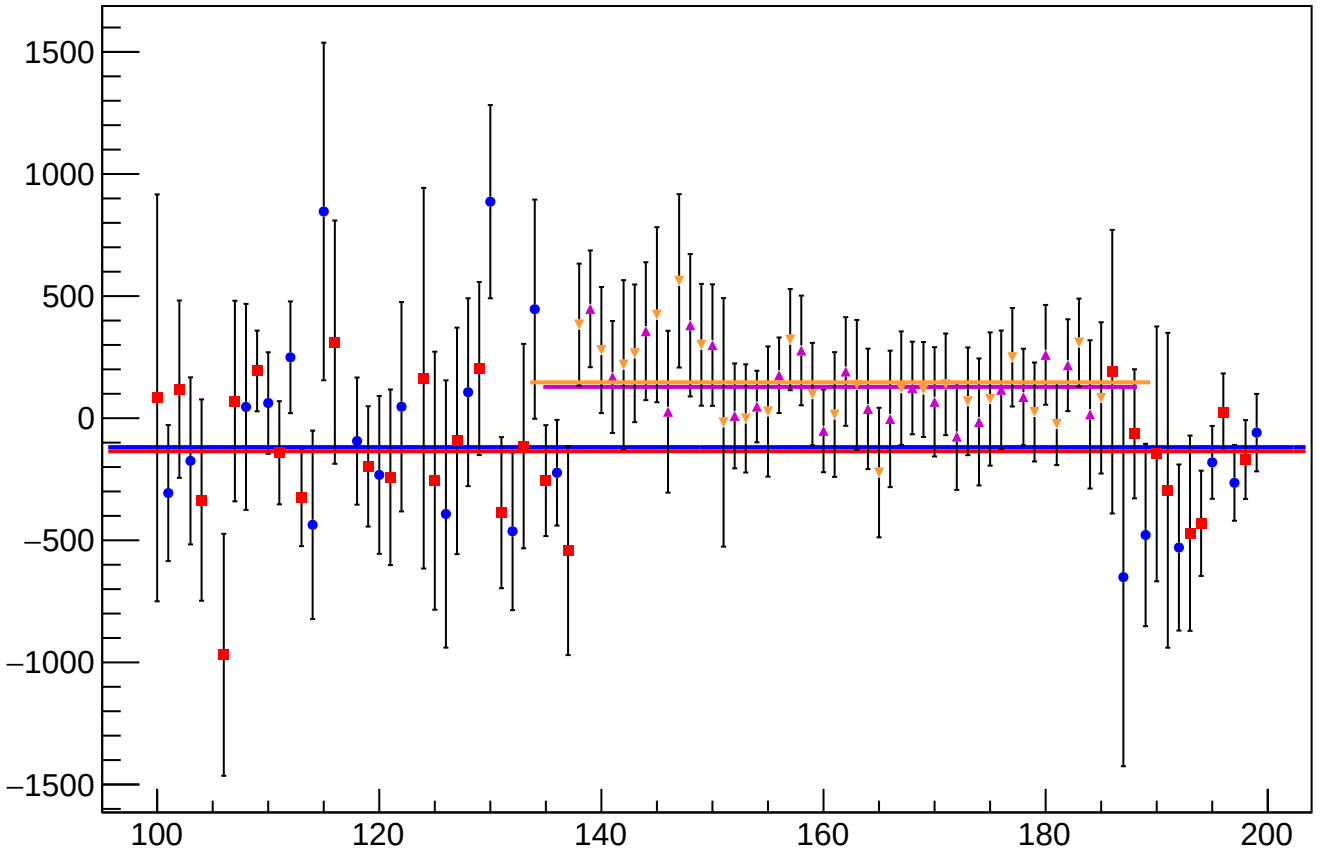
Left: 187.597+/-0.023 χ^2/NDF: 3619571.5/47

Right: 177.752+/-0.027 χ^2/NDF: 4929845.2/48

In: 179.094+/-0.024 χ^2/NDF:3765535.5/44

Out: 188.315+/-0.025 χ^2/NDF:4790781.4/51

All: 183.622+/-0.017 χ^2/NDF: 8626586.9/96



Right In: -118.351+/-57.354 χ^2/NDF: 21.0/21

Left Out: 146.973+/-47.709 χ^2/NDF:10.2/24

Right Out: -135.405+/-55.372 χ^2/NDF: 16.8/26

Left In: 128.159+/-45.200 χ^2/NDF:8.6/22

Left: 137.058+/-32.812 χ^2/NDF: 18.8/47

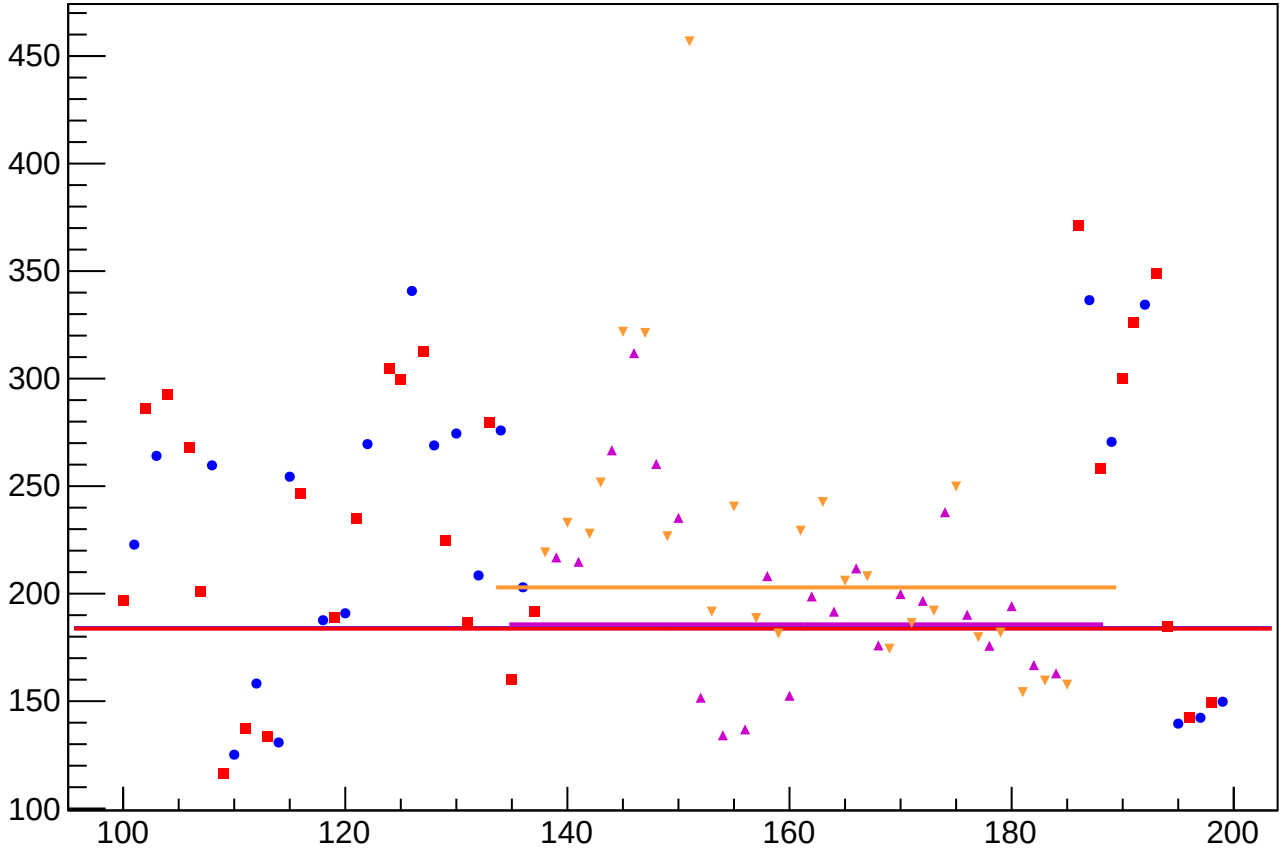
Right: -127.178+/-39.836 χ^2/NDF: 37.8/48

In: 33.715+/-35.501 χ^2/NDF:40.9/44

Out: 26.660+/-36.143 χ^2/NDF:41.9/51

All: 30.251+/-25.327 χ^2/NDF: 82.8/96

asym_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 183.939+/-0.041 χ^2/NDF: 2006797.9/21

Left Out: 202.920+/-0.034 χ^2/NDF:1700115.2/24

Right Out: 183.759+/-0.039 χ^2/NDF: 2576520.9/26

Left In: 185.716+/-0.032 χ^2/NDF:1489487.2/22

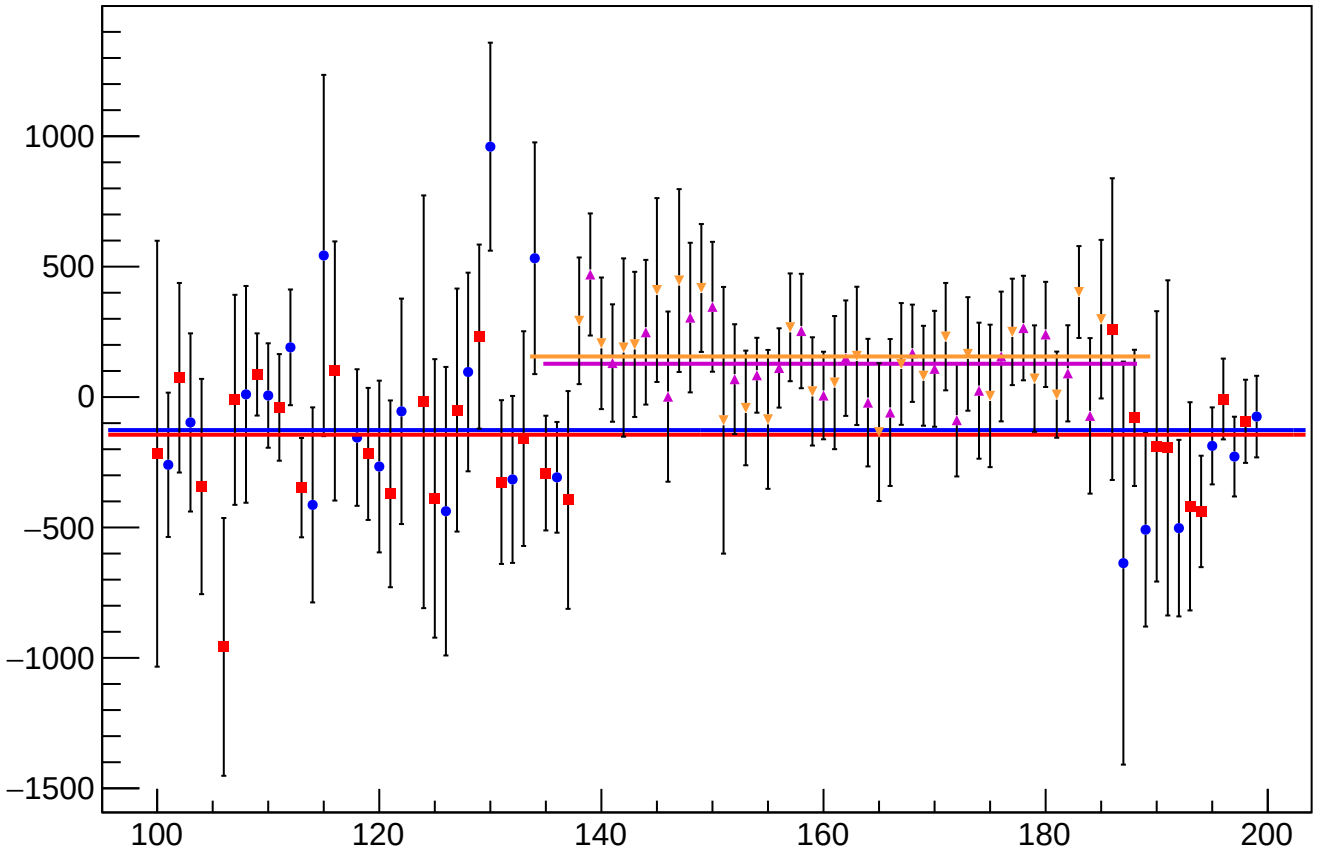
Left: 193.854+/-0.023 χ^2/NDF: 3326661.1/47

Right: 183.846+/-0.028 χ^2/NDF: 4583328.9/48

In: 185.035+/-0.025 χ^2/NDF:3497469.7/44

Out: 194.756+/-0.026 χ^2/NDF:4414095.1/51

All: 189.808+/-0.018 χ^2/NDF: 7985202.4/96



Right In: -126.634+/-56.633 χ^2/NDF: 19.4/21

Left Out: 155.646+/-47.263 χ^2/NDF:10.7/24

Right Out: -144.370+/-54.417 χ^2/NDF: 14.1/26

Left In: 127.660+/-44.698 χ^2/NDF:8.0/22

Left: 140.872+/-32.475 χ^2/NDF: 18.8/47

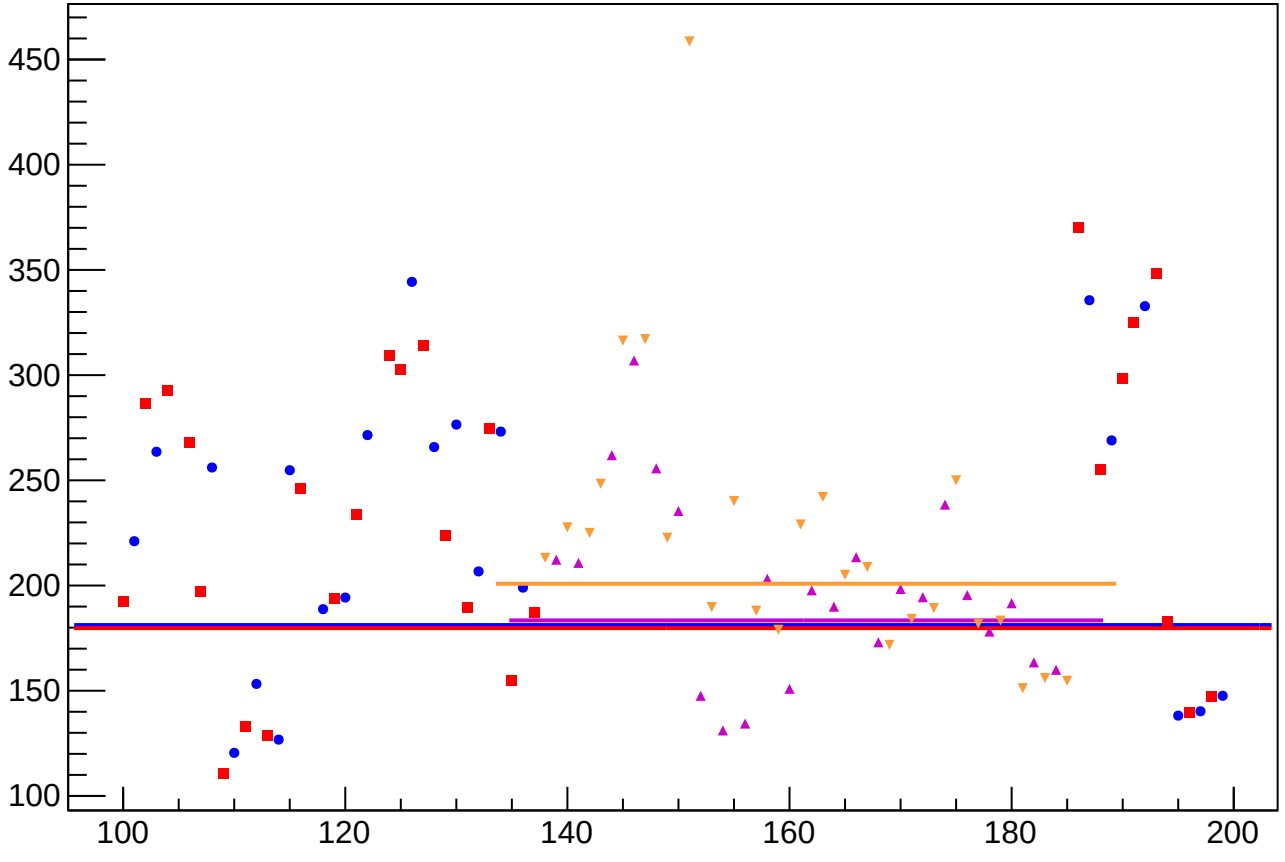
Right: -135.856+/-39.239 χ^2/NDF: 33.5/48

In: 30.055+/-35.086 χ^2/NDF:39.8/44

Out: 26.640+/-35.683 χ^2/NDF:42.0/51

All: 28.376+/-25.018 χ^2/NDF: 81.8/96

asym_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 181.207+/-0.040 χ^2/NDF: 2093672.8/21

Left Out: 200.865+/-0.033 χ^2/NDF:1727404.3/24

Right Out: 179.753+/-0.038 χ^2/NDF: 2763319.8/26

Left In: 183.433+/-0.032 χ^2/NDF:1530678.8/22

Left: 191.663+/-0.023 χ^2/NDF: 3401689.7/47

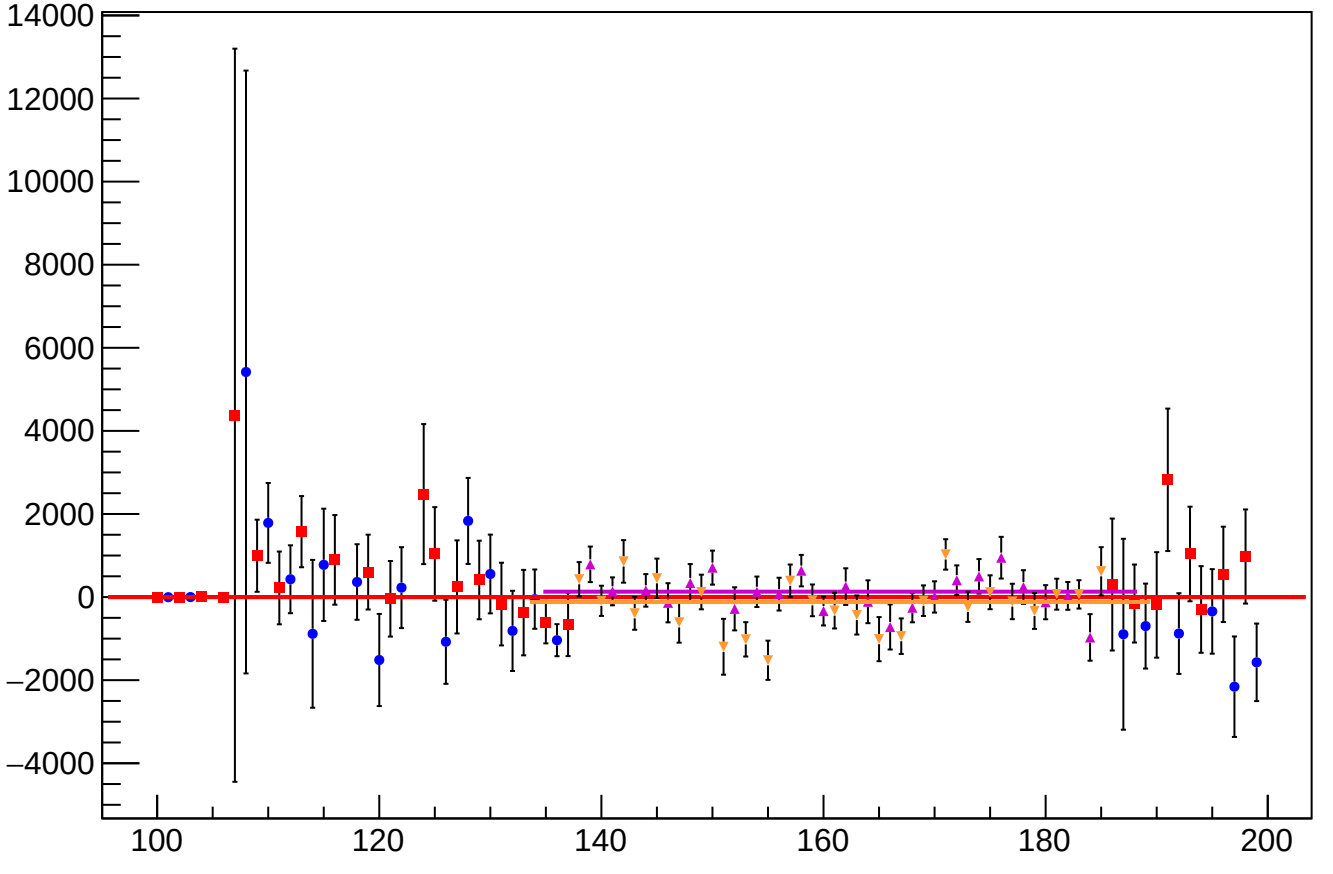
Right: 180.451+/-0.028 χ^2/NDF: 4857677.7/48

In: 182.579+/-0.025 χ^2/NDF:3626255.9/44

Out: 191.787+/-0.025 χ^2/NDF:4662306.5/51

All: 187.105+/-0.018 χ^2/NDF: 8356276.2/96

asym_cav4bQ_mean vs Slug, Sign Corrected



Right In: -1.264+/-2.171 χ^2/NDF: 27.5/21

Left Out: -117.658+/-84.207 χ^2/NDF:46.4/24

Right Out: 1.388+/-2.022 χ^2/NDF: 21.5/26

Left In: 129.738+/-85.075 χ^2/NDF:21.7/22

Left: 4.773+/-59.848 χ^2/NDF: 72.3/47

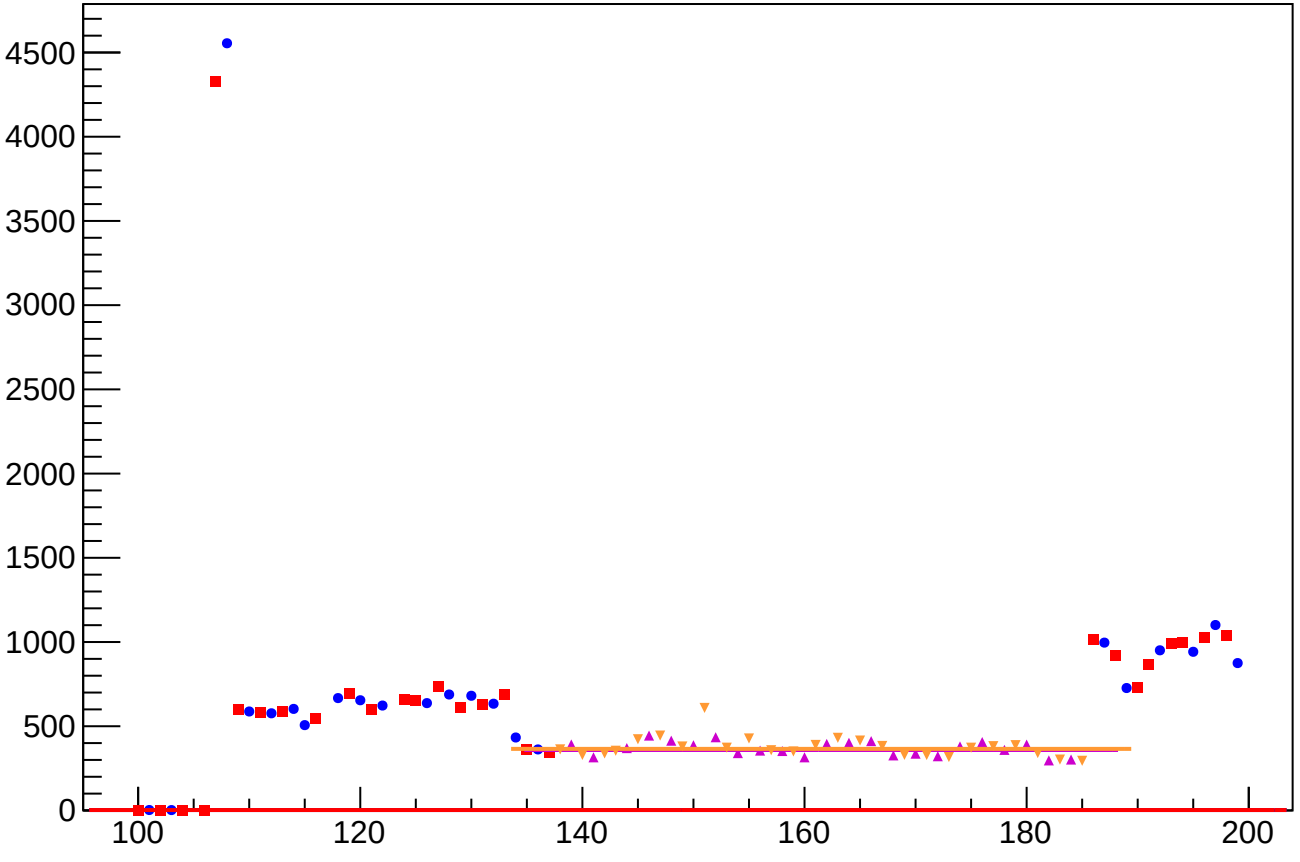
Right: 0.155+/-1.480 χ^2/NDF: 49.8/48

In: -1.179+/-2.170 χ^2/NDF:51.5/44

Out: 1.319+/-2.022 χ^2/NDF:69.9/51

All: 0.158+/-1.479 χ^2/NDF: 122.1/96

asym_cav4bQ_rms vs Slug, Sign Corrected



Right In: 2.498+/-0.002 χ^2/NDF: 20016561.2/21

Left Out: 365.603+/-0.060 χ^2/NDF:668124.0/24

Right Out: 2.484+/-0.001 χ^2/NDF: 21999889.0/26

Left In: 359.024+/-0.060 χ^2/NDF:446263.1/22

Left: 362.347+/-0.042 χ^2/NDF: 1120429.0/47

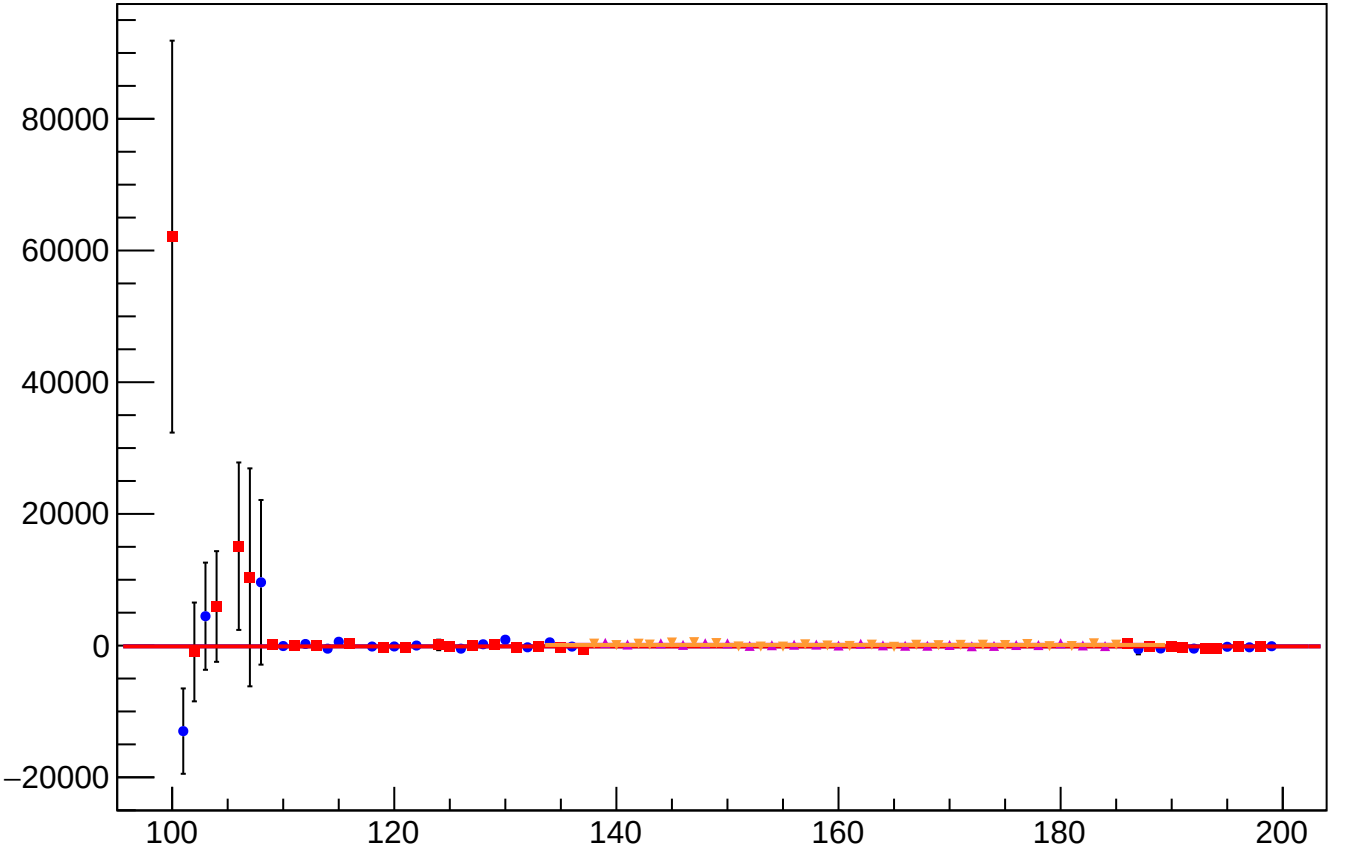
Right: 2.491+/-0.001 χ^2/NDF: 42016492.8/48

In: 2.730+/-0.002 χ^2/NDF:55564571.5/44

Out: 2.694+/-0.001 χ^2/NDF:59836502.7/51

All: 2.711+/-0.001 χ^2/NDF: 115401374.7/96

asym_cav4cQ_mean vs Slug, Sign Corrected



Right In: -105.412+/-62.640 χ^2/NDF: 21.4/21

Left Out: 99.601+/-48.250 χ^2/NDF:12.7/24

Right Out: -123.060+/-61.480 χ^2/NDF: 18.1/26

Left In: 119.345+/-46.957 χ^2/NDF:9.3/22

Left: 109.741+/-33.651 χ^2/NDF: 22.1/47

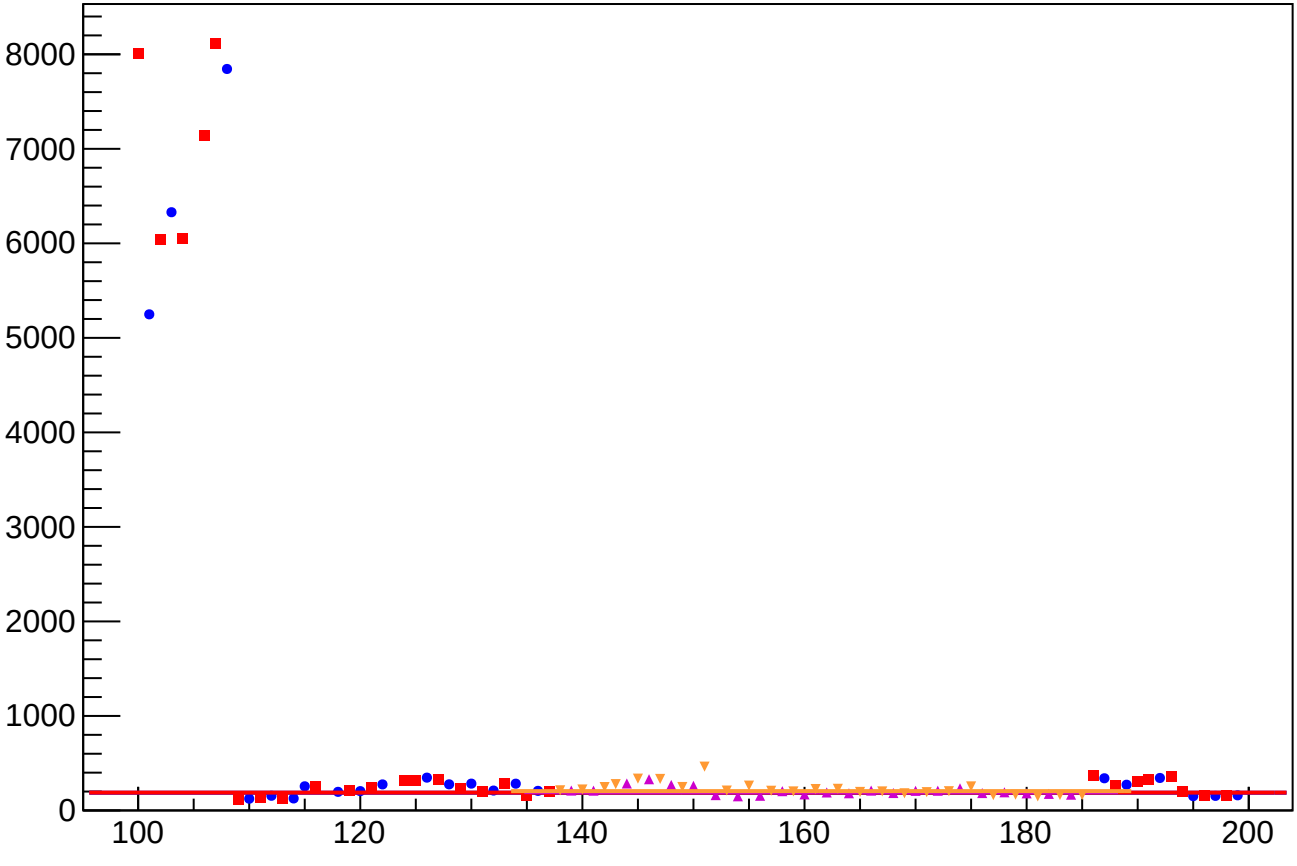
Right: -114.401+/-43.877 χ^2/NDF: 39.6/48

In: 38.483+/-37.572 χ^2/NDF:39.0/44

Out: 14.732+/-37.957 χ^2/NDF:39.0/51

All: 26.729+/-26.702 χ^2/NDF: 78.2/96

asym_cav4cQ_rms vs Slug, Sign Corrected



Right In: 187.245+/-0.044 χ^2/NDF: 4791191.0/21

Left Out: 204.581+/-0.034 χ^2/NDF:1975114.7/24

Right Out: 188.884+/-0.043 χ^2/NDF: 5454177.2/26

Left In: 193.895+/-0.033 χ^2/NDF:1191589.3/22

Left: 199.093+/-0.024 χ^2/NDF: 3217084.5/47

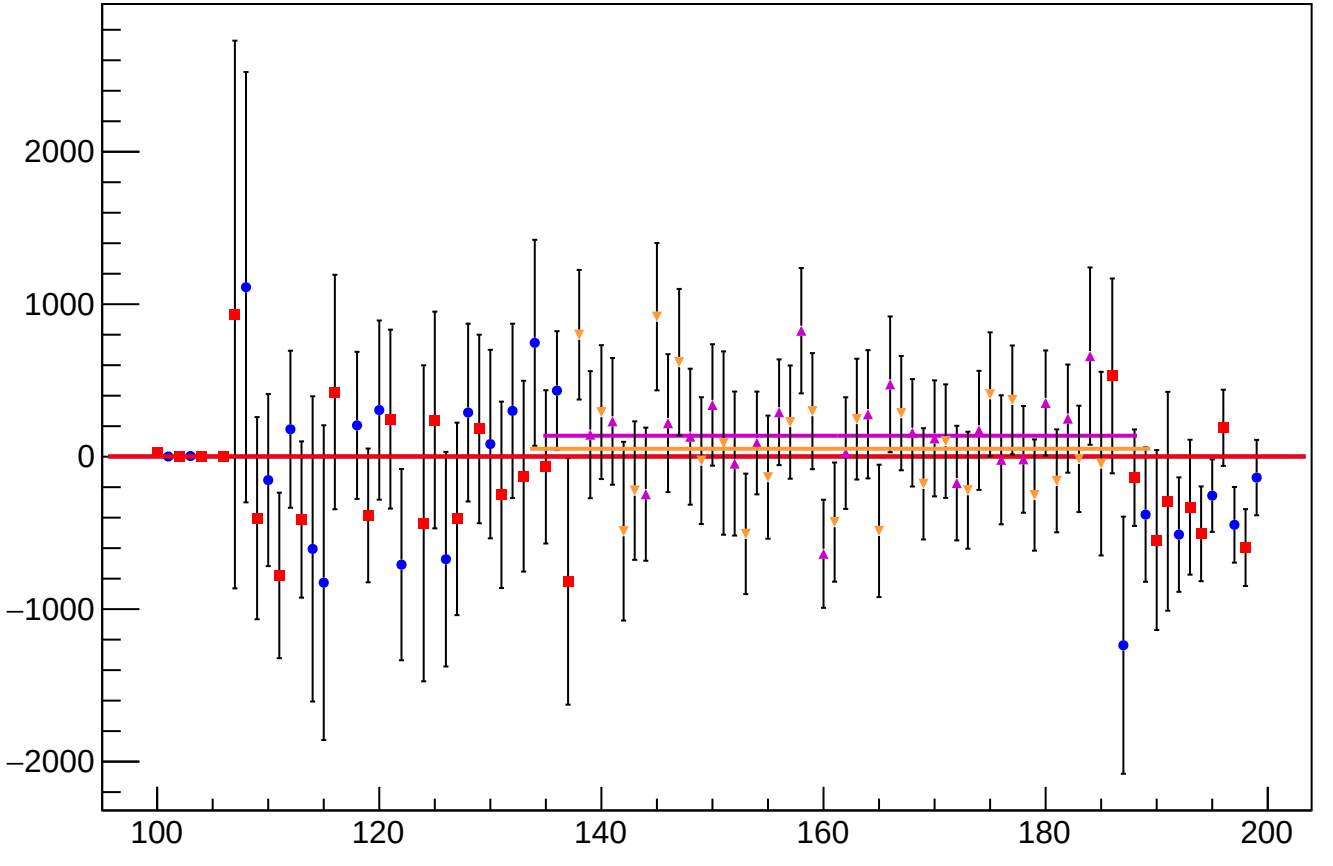
Right: 188.080+/-0.031 χ^2/NDF: 10246065.9/48

In: 191.503+/-0.027 χ^2/NDF:5997214.2/44

Out: 198.598+/-0.027 χ^2/NDF:7509975.6/51

All: 195.014+/-0.019 χ^2/NDF: 13542490.8/96

asym_cav4dQ_mean vs Slug, Sign Corrected



Right In: 1.397+/-1.660 χ^2/NDF: 17.4/21

Left Out: 51.829+/-81.555 χ^2/NDF:19.4/24

Right Out: 1.057+/-1.528 χ^2/NDF: 20.5/26

Left In: 137.399+/-82.111 χ^2/NDF:12.2/22

Left: 94.324+/-57.864 χ^2/NDF: 32.2/47

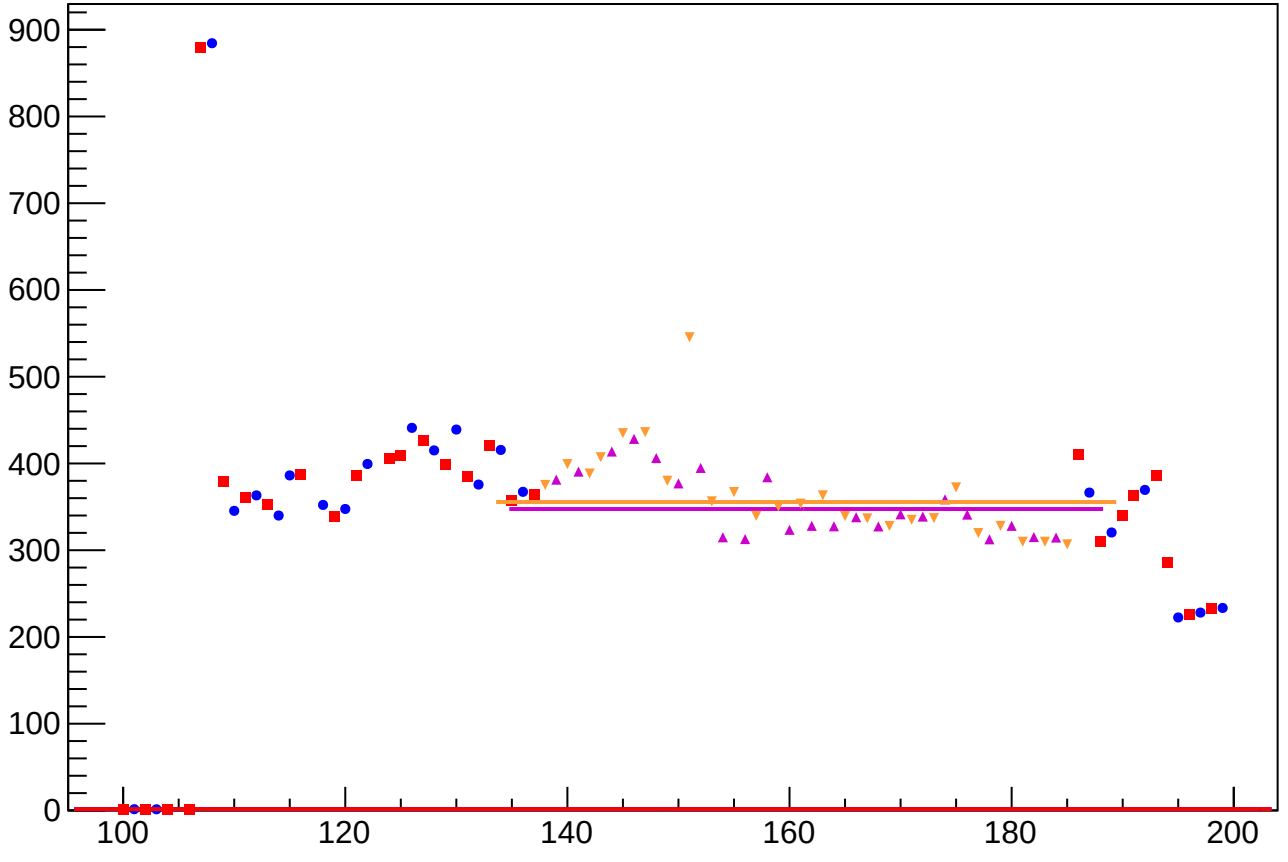
Right: 1.213+/-1.124 χ^2/NDF: 37.9/48

In: 1.452+/-1.660 χ^2/NDF:32.3/44

Out: 1.075+/-1.527 χ^2/NDF:40.3/51

All: 1.248+/-1.124 χ^2/NDF: 72.6/96

asym_cav4dQ_rms vs Slug, Sign Corrected



Right In: 1.515+/-0.001 χ^2/NDF: 20233057.2/21

Left Out: 355.535+/-0.058 χ^2/NDF:528878.5/24

Right Out: 1.509+/-0.001 χ^2/NDF: 21643009.9/26

Left In: 347.484+/-0.058 χ^2/NDF:344530.3/22

Left: 351.537+/-0.041 χ^2/NDF: 883088.0/47

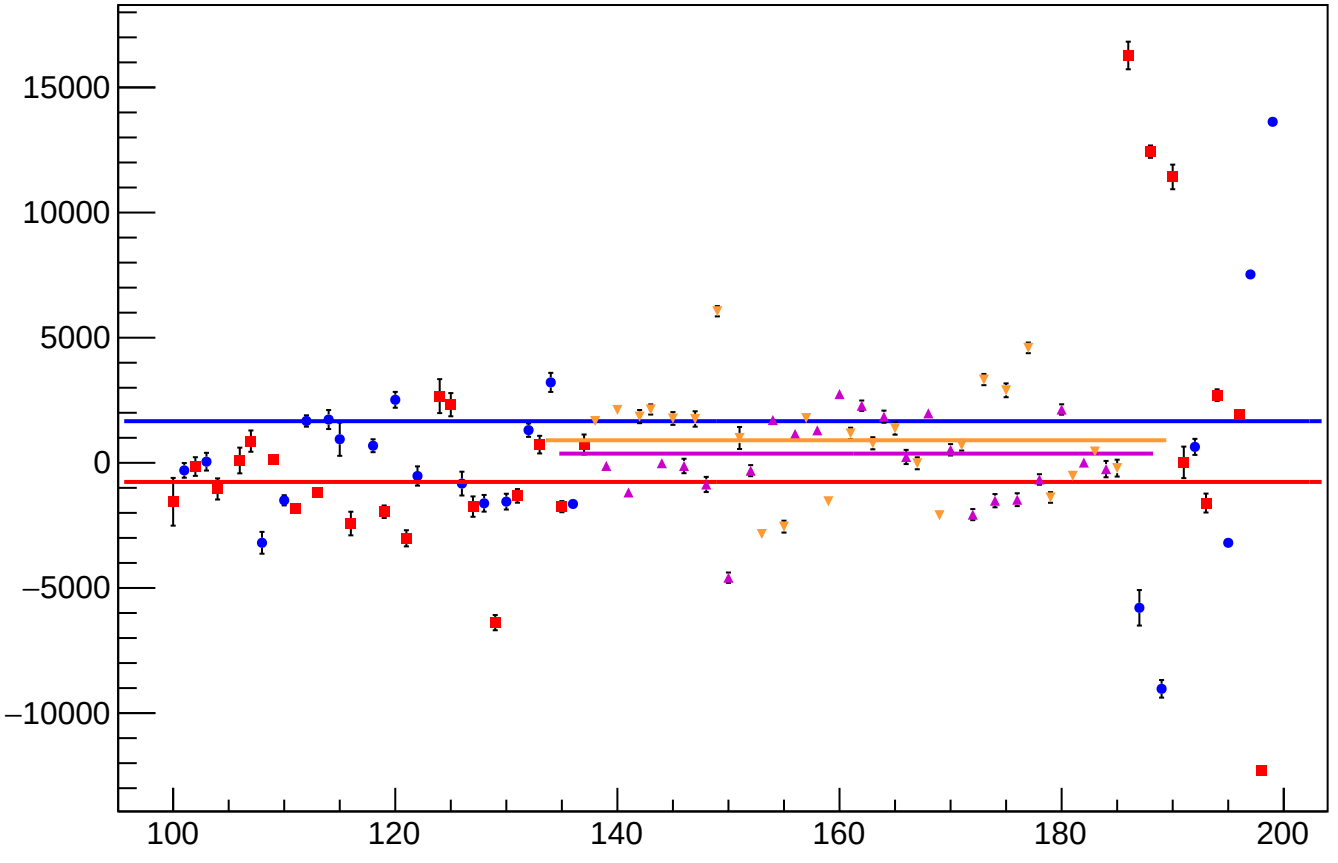
Right: 1.512+/-0.001 χ^2/NDF: 41876080.1/48

In: 1.656+/-0.001 χ^2/NDF:56069202.4/44

Out: 1.633+/-0.001 χ^2/NDF:59846413.9/51

All: 1.644+/-0.001 χ^2/NDF: 115915822.9/96

asym_bcm0l02_mean vs Slug, Sign Corrected



Right In: 1663.750+/-58.110 χ^2/NDF: 8590.6/21

Left Out: 901.476+/-44.481 χ^2/NDF:2411.0/24

Right Out: -763.581+/-55.388 χ^2/NDF: 9888.9/26

Left In: 368.252+/-42.700 χ^2/NDF:1593.0/22

Left: 623.972+/-30.804 χ^2/NDF: 4078.7/47

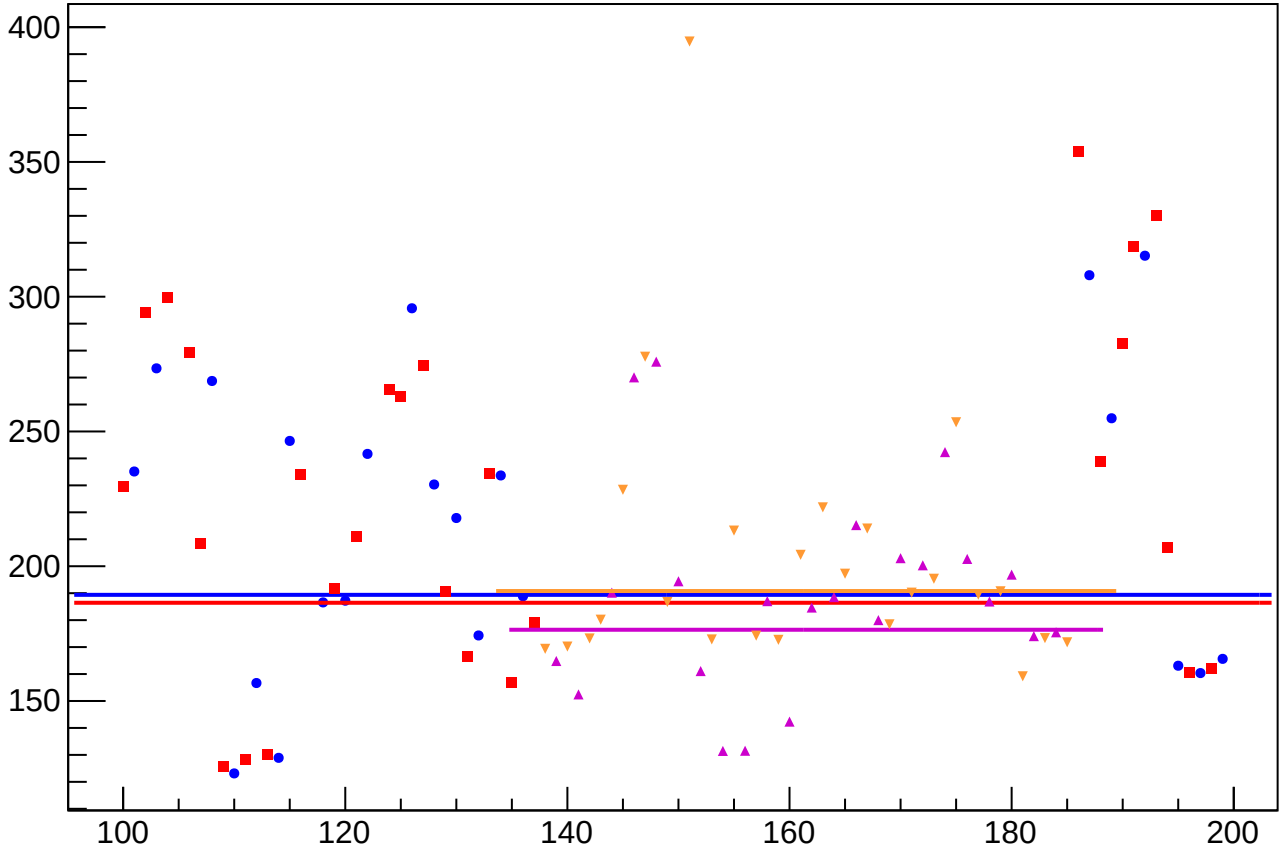
Right: 391.917+/-40.093 χ^2/NDF: 19393.7/48

In: 822.487+/-34.409 χ^2/NDF:10506.3/44

Out: 248.653+/-34.682 χ^2/NDF:12849.3/51

All: 537.837+/-24.427 χ^2/NDF: 23493.5/96

asym_bcm0l02_rms vs Slug, Sign Corrected



Right In: 189.384+/-0.041 χ^2/NDF: 1333838.8/21

Left Out: 190.801+/-0.031 χ^2/NDF:1019598.1/24

Right Out: 186.443+/-0.039 χ^2/NDF: 2087336.6/26

Left In: 176.431+/-0.030 χ^2/NDF:1257661.0/22

Left: 183.323+/-0.022 χ^2/NDF: 2385884.9/47

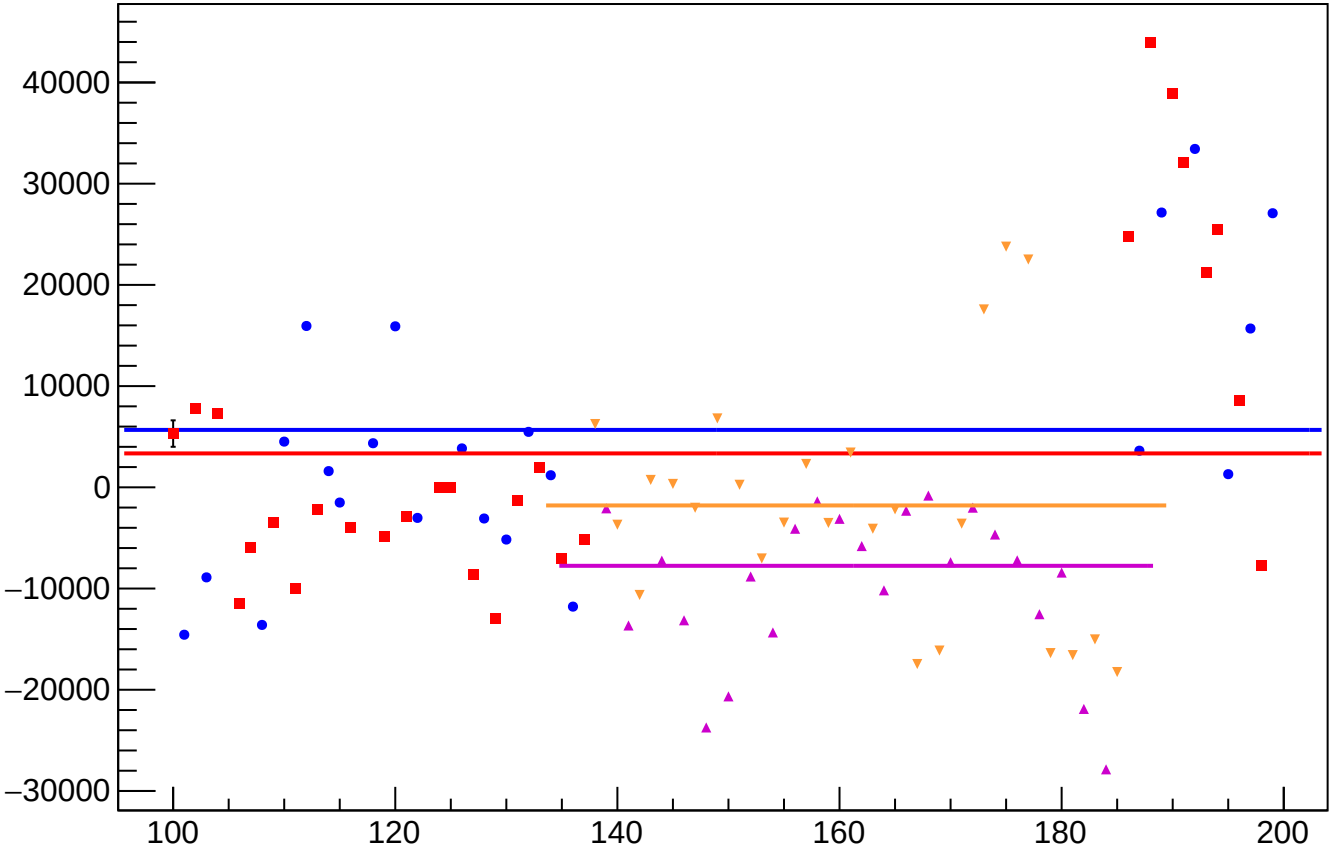
Right: 187.843+/-0.028 χ^2/NDF: 3423859.8/48

In: 180.973+/-0.024 χ^2/NDF:2656023.4/44

Out: 189.092+/-0.025 χ^2/NDF:3114463.3/51

All: 185.000+/-0.017 χ^2/NDF: 5825728.4/96

asym_bpm0i02WS_mean vs Slug, Sign Corrected



Right In: 5672.826+/-45.683 χ^2/NDF: 88161.5/21

Left Out: -1790.289+/-40.910 χ^2/NDF:65745.9/24

Right Out: 3350.445+/-43.214 χ^2/NDF: 132392.9/26

Left In: -7754.468+/-42.571 χ^2/NDF:23278.0/22

Left: -4653.749+/-29.498 χ^2/NDF: 99228.2/47

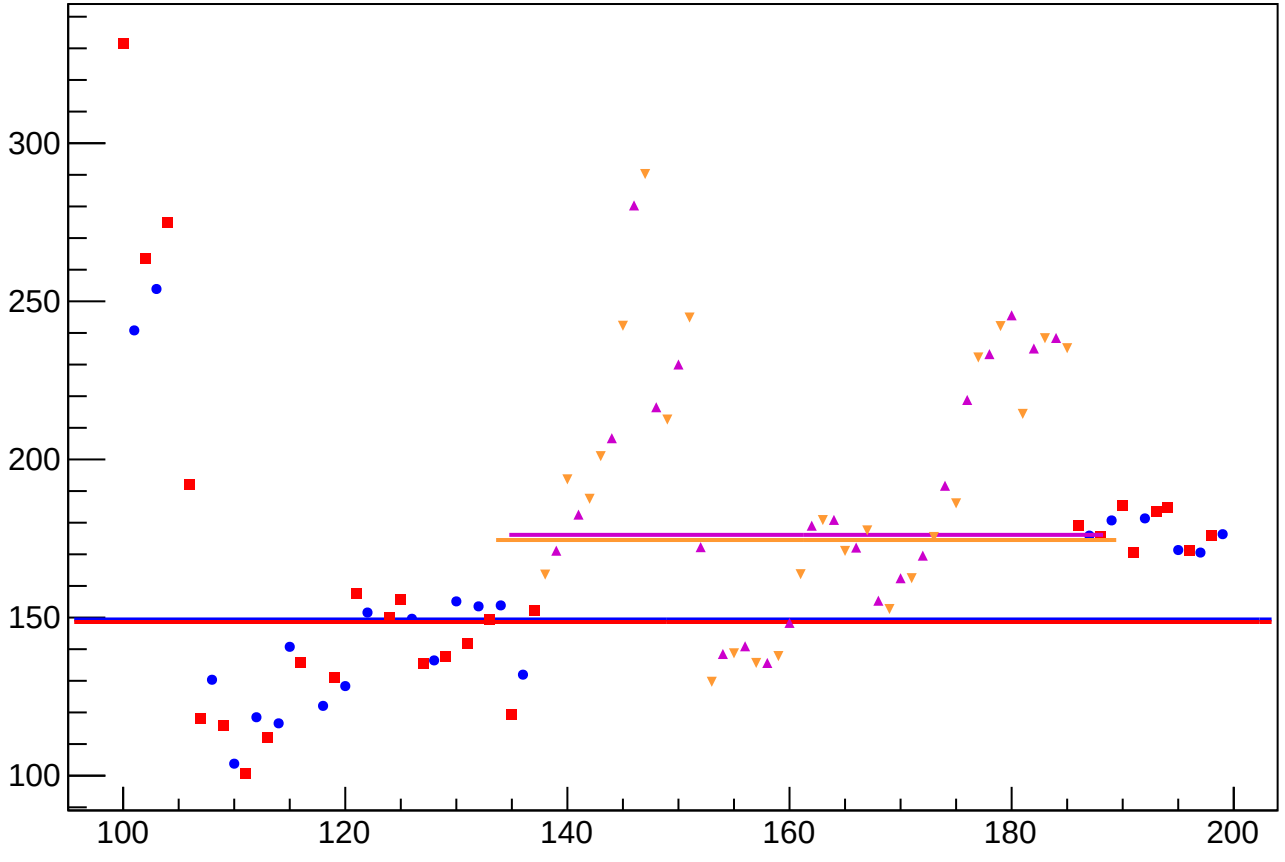
Right: 4447.180+/-31.393 χ^2/NDF: 221918.3/48

In: -1513.670+/-31.144 χ^2/NDF:157677.4/44

Out: 639.403+/-29.709 χ^2/NDF:205601.8/51

All: -386.369+/-21.497 χ^2/NDF: 365781.6/96

asym_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 149.398+/-0.032 χ^2/NDF: 931644.4/21

Left Out: 174.520+/-0.029 χ^2/NDF:1659469.6/24

Right Out: 148.601+/-0.031 χ^2/NDF: 1320529.1/26

Left In: 176.155+/-0.030 χ^2/NDF:1367059.2/22

Left: 175.305+/-0.021 χ^2/NDF: 3028060.8/47

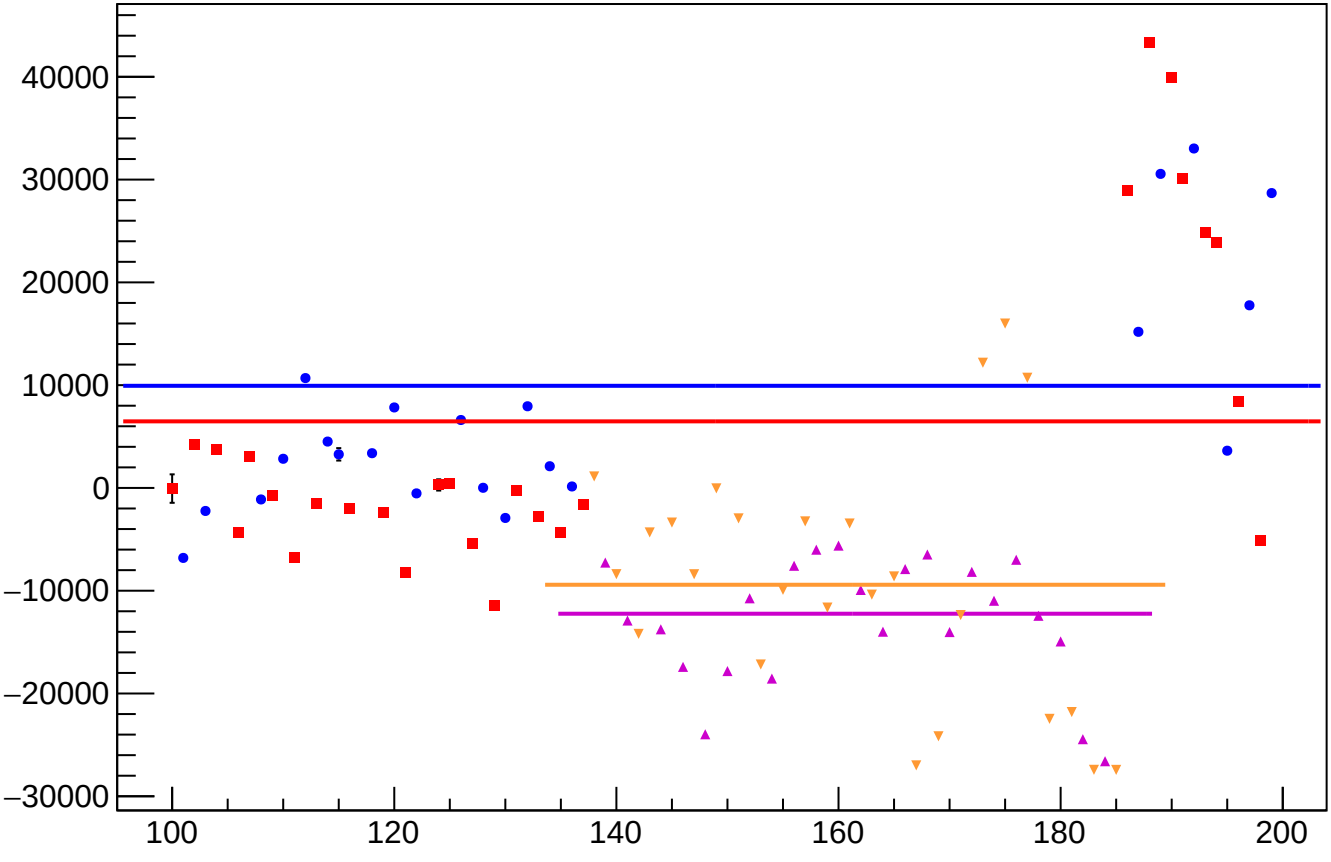
Right: 148.977+/-0.022 χ^2/NDF: 2252494.6/48

In: 163.718+/-0.022 χ^2/NDF:2665922.6/44

Out: 162.270+/-0.021 χ^2/NDF:3359452.9/51

All: 162.960+/-0.015 χ^2/NDF: 6027640.3/96

asym_bpm0i02aWS_mean vs Slug, Sign Corrected



Right In: 9936.995+/-53.730 χ^2/NDF: 48089.5/21

Left Out: -9420.181+/-45.698 χ^2/NDF:64719.0/24

Right Out: 6477.338+/-50.329 χ^2/NDF: 102141.8/26

Left In: -12238.678+/-44.195 χ^2/NDF:16015.8/22

Left: -10876.538+/-31.769 χ^2/NDF: 82700.4/47

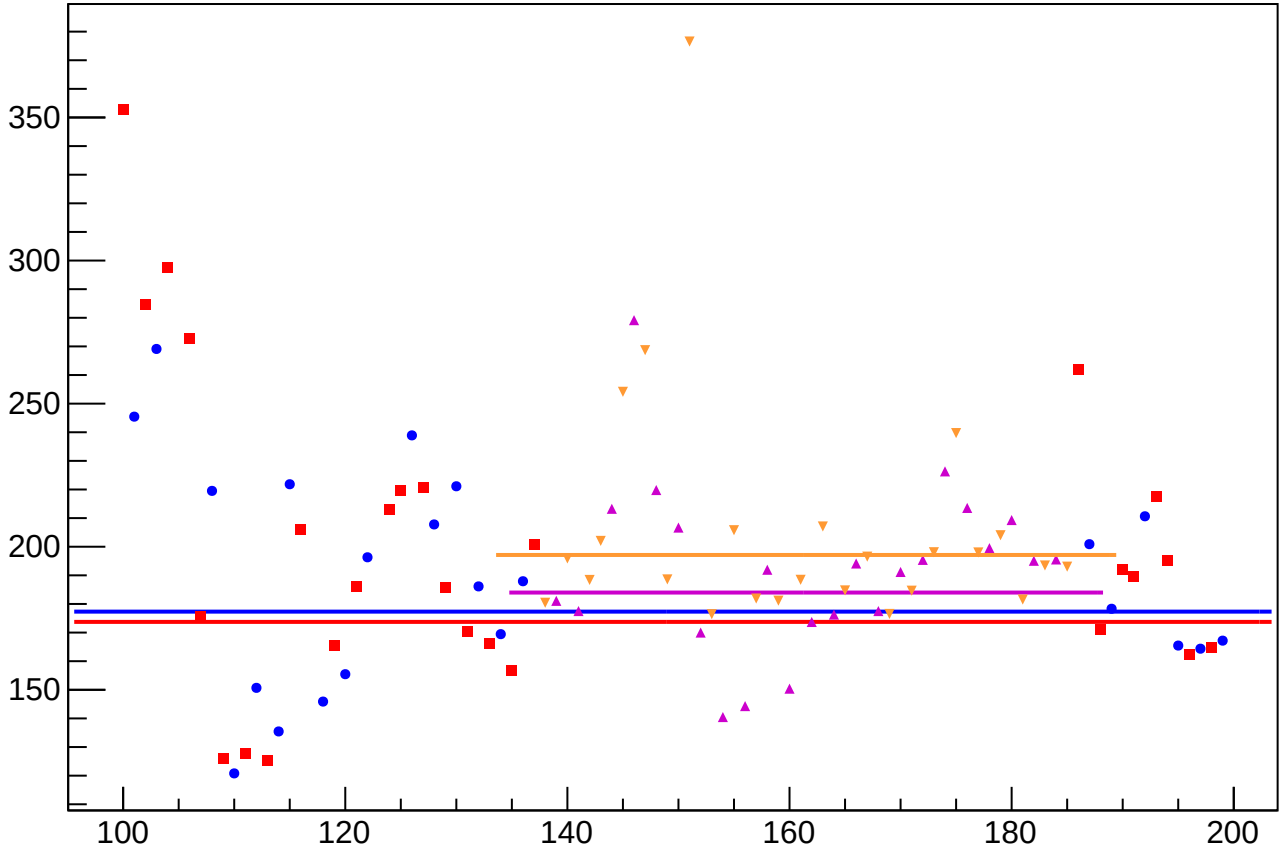
Right: 8094.209+/-36.732 χ^2/NDF: 152439.7/48

In: -3289.841+/-34.132 χ^2/NDF:165706.0/44

Out: -2236.331+/-33.832 χ^2/NDF:221549.0/51

All: -2758.440+/-24.028 χ^2/NDF: 387735.6/9

asym_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 177.321+/-0.038 χ^2/NDF: 754745.1/21

Left Out: 197.122+/-0.032 χ^2/NDF:732529.8/24

Right Out: 173.735+/-0.036 χ^2/NDF: 1192524.8/26

Left In: 183.985+/-0.031 χ^2/NDF:829778.1/22

Left: 190.334+/-0.022 χ^2/NDF: 1647711.2/47

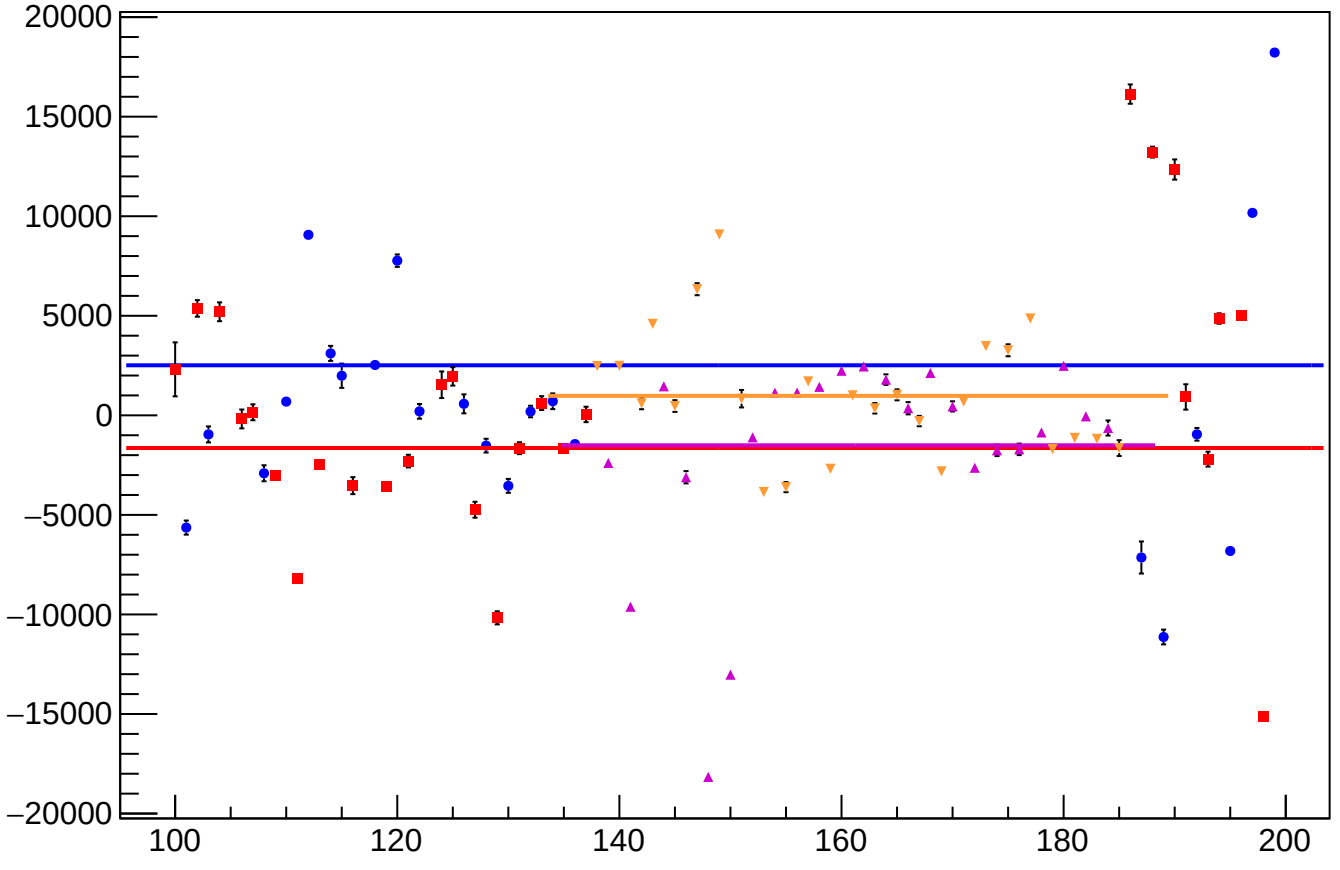
Right: 175.411+/-0.026 χ^2/NDF: 1952016.6/48

In: 181.296+/-0.024 χ^2/NDF:1602874.3/44

Out: 186.554+/-0.024 χ^2/NDF:2161776.1/51

All: 183.948+/-0.017 χ^2/NDF: 3788587.6/96

asym_bpm0i05WS_mean vs Slug, Sign Corrected



Right In: 2513.668+/-60.682 χ^2/NDF: 14941.9/21

Left Out: 978.429+/-49.607 χ^2/NDF:4322.9/24

Right Out: -1640.511+/-57.121 χ^2/NDF: 14242.7/26

Left In: -1505.093+/-48.051 χ^2/NDF:11480.6/22

Left: -302.894+/-34.514 χ^2/NDF: 17096.7/47

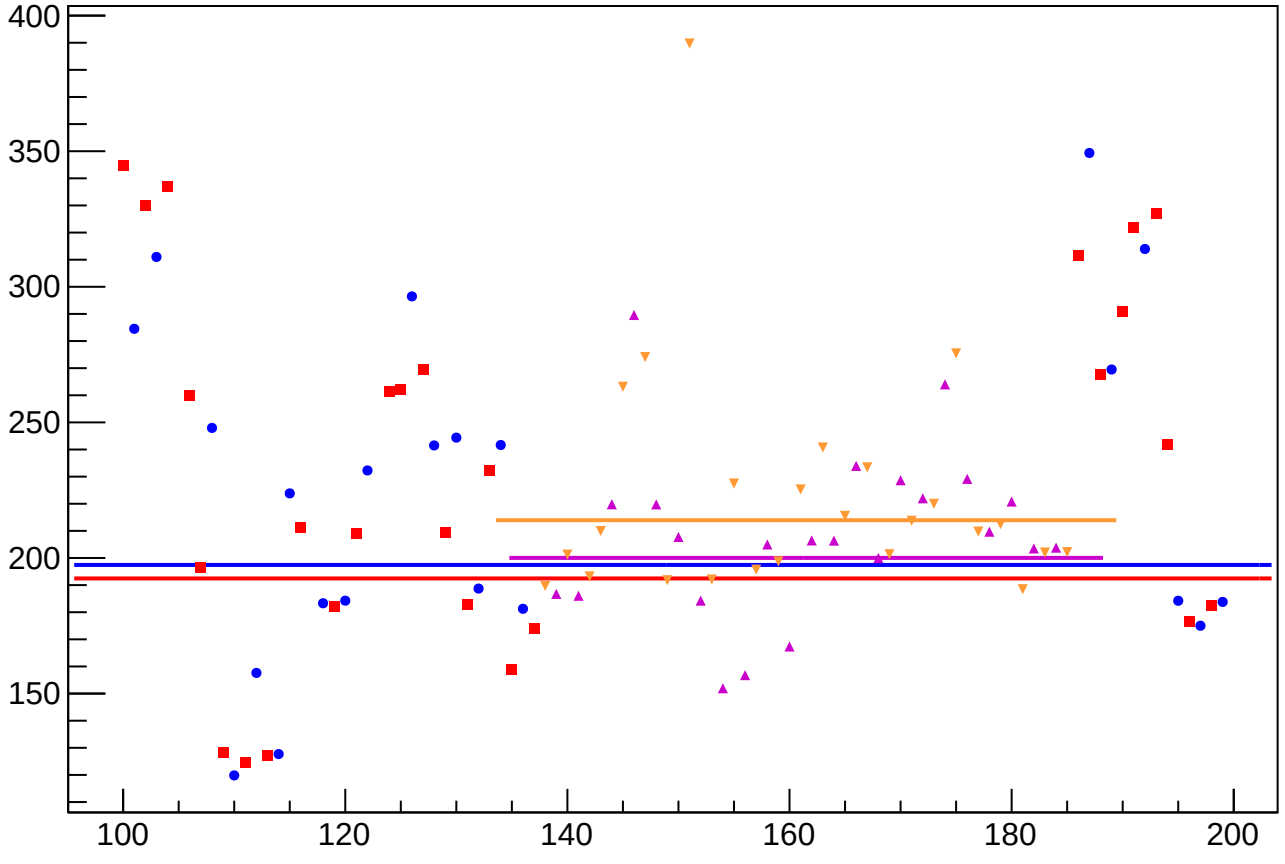
Right: 311.107+/-41.592 χ^2/NDF: 31669.4/48

In: 43.655+/-37.671 χ^2/NDF:29118.2/44

Out: -147.573+/-37.454 χ^2/NDF:19764.0/51

All: -52.510+/-26.560 χ^2/NDF: 48895.1/96

asym_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 197.434+/-0.043 χ^2/NDF: 1429382.0/21

Left Out: 213.931+/-0.035 χ^2/NDF:733638.6/24

Right Out: 192.459+/-0.040 χ^2/NDF: 2232948.7/26

Left In: 200.031+/-0.034 χ^2/NDF:785525.4/22

Left: 206.759+/-0.024 χ^2/NDF: 1600185.7/47

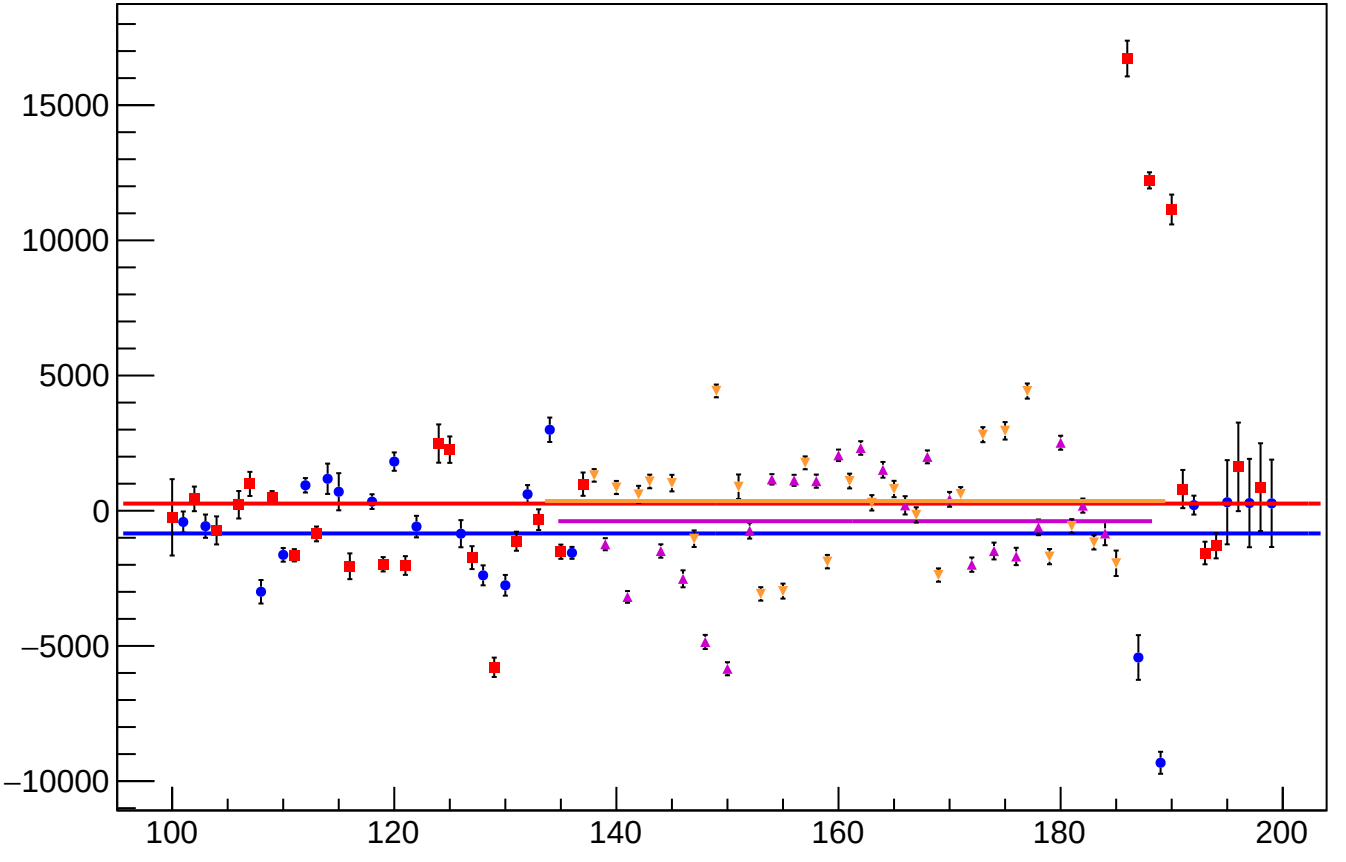
Right: 194.797+/-0.029 χ^2/NDF: 3669457.3/48

In: 199.030+/-0.027 χ^2/NDF:2217158.0/44

Out: 204.699+/-0.026 χ^2/NDF:3127686.7/51

All: 201.881+/-0.019 χ^2/NDF: 5367626.2/96

asym_bpm0i07WS_mean vs Slug, Sign Corrected



Right In: -839.901+/-81.677 χ^2/NDF: 797.8/21

Left Out: 358.680+/-54.992 χ^2/NDF:1418.9/24

Right Out: 264.489+/-74.026 χ^2/NDF: 3268.9/26

Left In: -386.941+/-53.528 χ^2/NDF:1804.2/22

Left: -24.183+/-38.357 χ^2/NDF: 3317.4/47

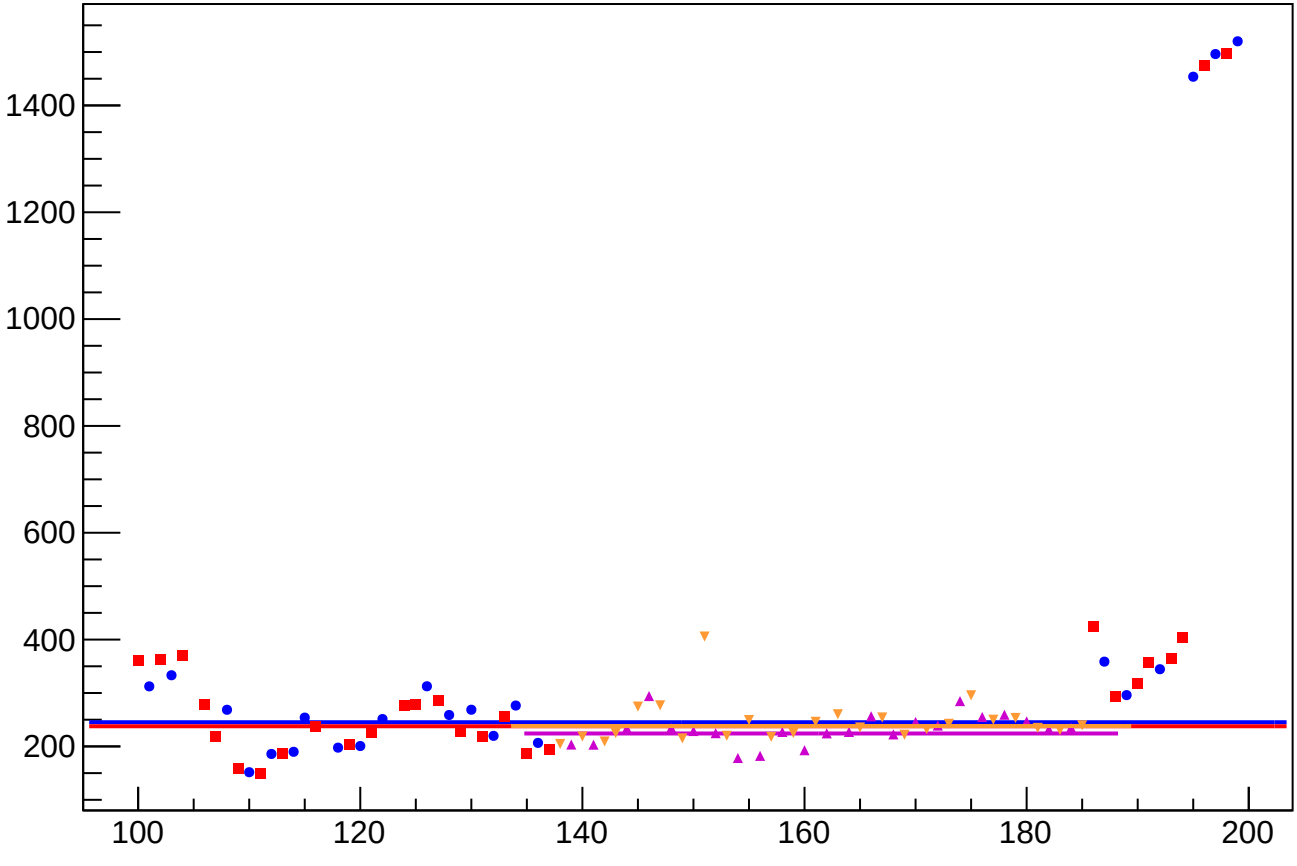
Right: -233.567+/-54.850 χ^2/NDF: 4167.0/48

In: -523.035+/-44.770 χ^2/NDF:2623.4/44

Out: 325.185+/-44.144 χ^2/NDF:4688.8/51

All: -92.949+/-31.434 χ^2/NDF: 7494.2/96

asym_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 245.252+/-0.058 χ^2/NDF: 4617849.8/21

Left Out: 238.199+/-0.039 χ^2/NDF:567935.3/24

Right Out: 237.719+/-0.052 χ^2/NDF: 4253490.7/26

Left In: 224.212+/-0.038 χ^2/NDF:563231.1/22

Left: 231.017+/-0.027 χ^2/NDF: 1197606.4/47

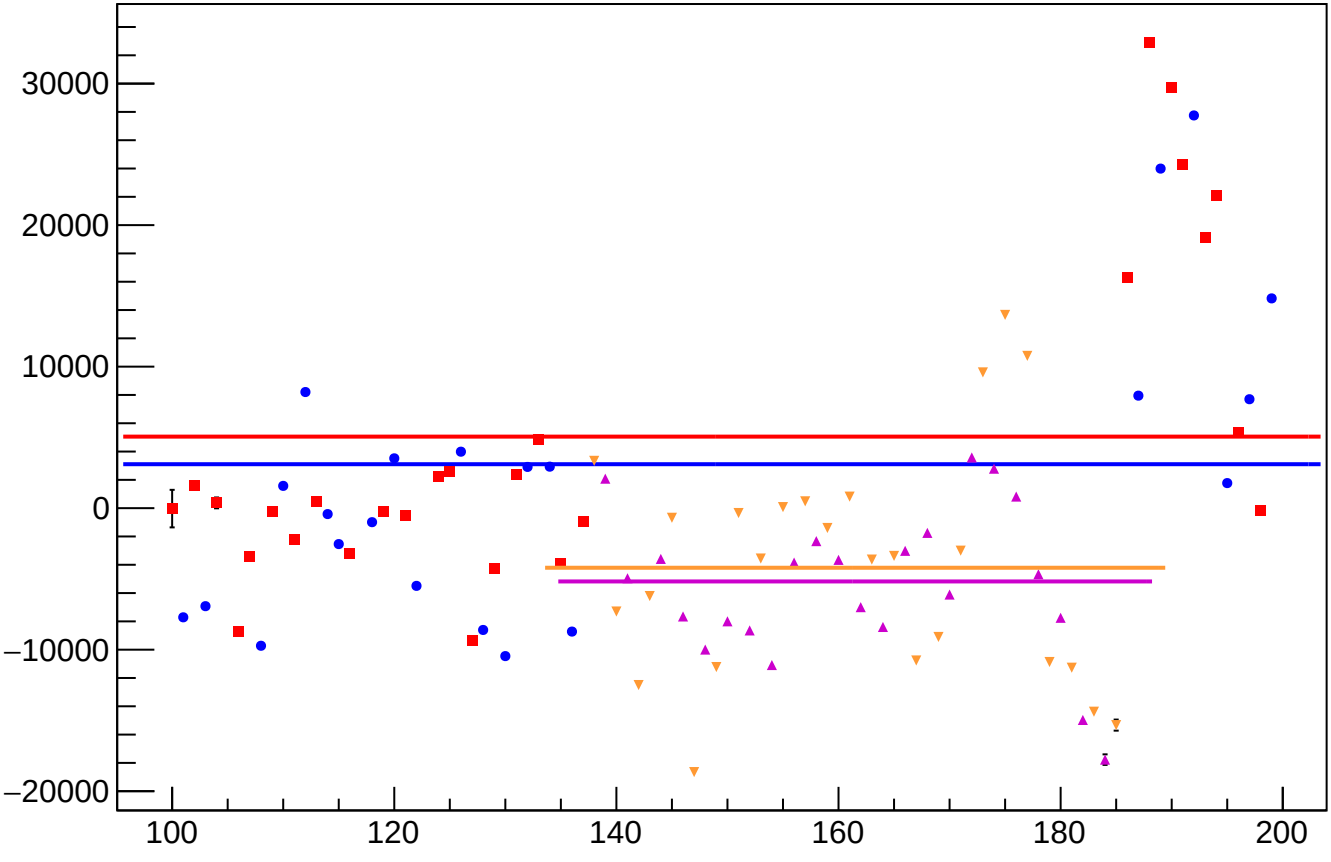
Right: 241.116+/-0.039 χ^2/NDF: 8880682.6/48

In: 230.534+/-0.032 χ^2/NDF:5273923.5/44

Out: 238.028+/-0.031 χ^2/NDF:4821480.4/51

All: 234.334+/-0.022 χ^2/NDF: 10123822.4/96

asym_bpm1i02WS_mean vs Slug, Sign Corrected



Right In: 3106.169+/-38.783 χ^2/NDF: 75615.6/21

Left Out: -4210.601+/-30.828 χ^2/NDF:56802.7/24

Right Out: 5055.616+/-36.445 χ^2/NDF: 102274.1/26

Left In: -5178.213+/-31.969 χ^2/NDF:18541.3/22

Left: -4676.831+/-22.191 χ^2/NDF: 75818.6/47

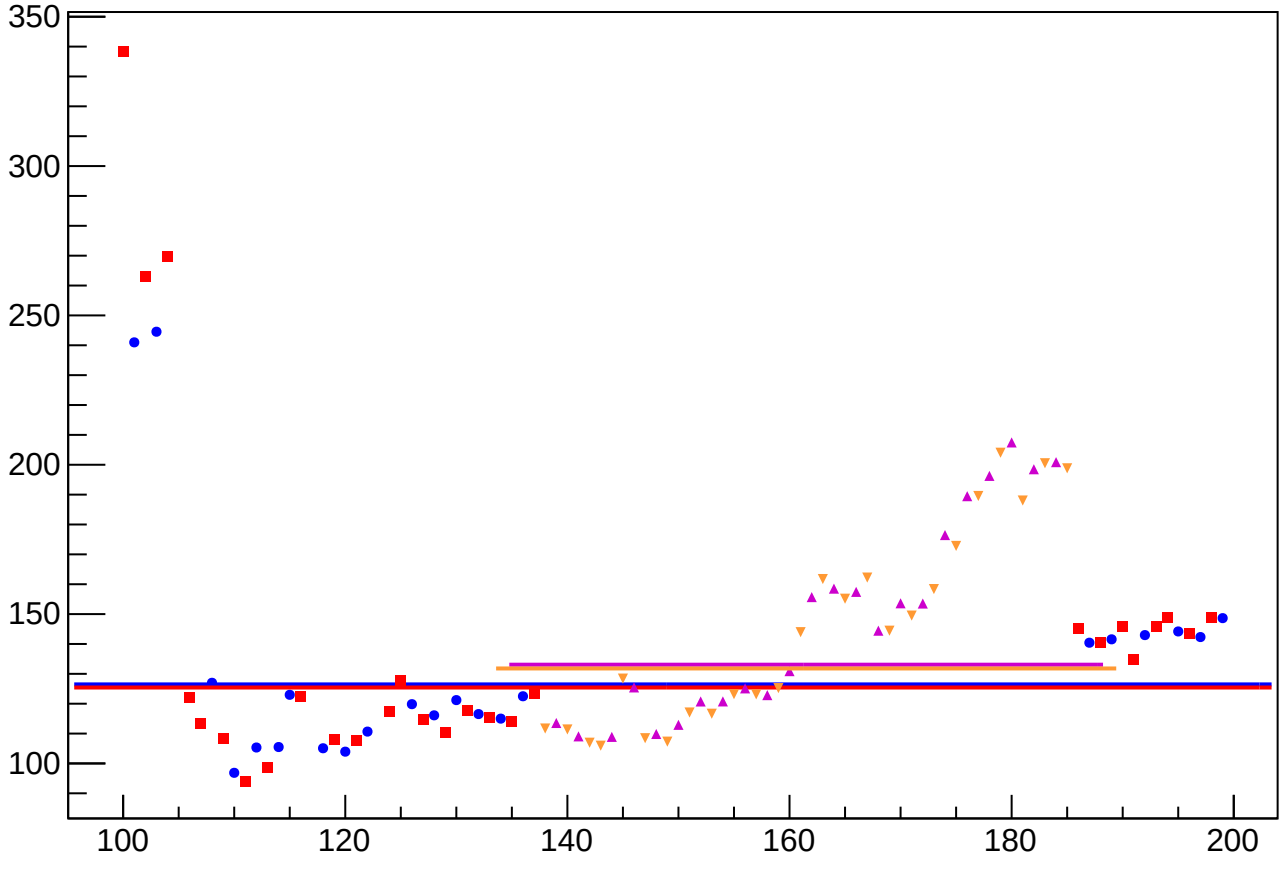
Right: 4141.437+/-26.559 χ^2/NDF: 179231.4/48

In: -1826.555+/-24.669 χ^2/NDF:121324.6/44

Out: -345.766+/-23.537 χ^2/NDF:196758.9/51

All: -1051.414+/-17.029 χ^2/NDF: 319969.6/9

asym_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 126.463+/-0.027 χ^2/NDF: 919149.8/21

Left Out: 131.798+/-0.022 χ^2/NDF:1544340.3/24

Right Out: 125.421+/-0.026 χ^2/NDF: 1154871.7/26

Left In: 133.061+/-0.023 χ^2/NDF:1418252.2/22

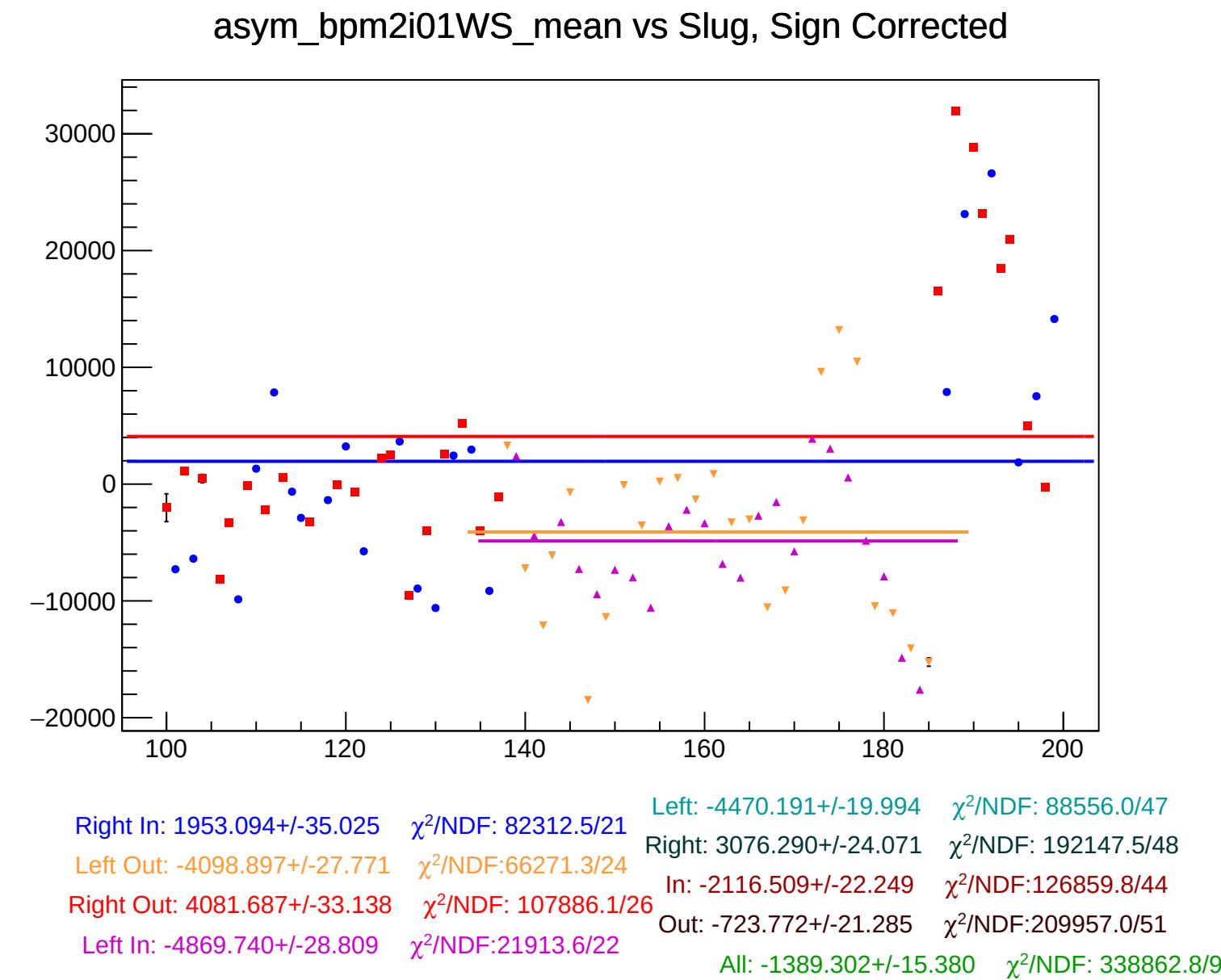
Left: 132.406+/-0.016 χ^2/NDF: 2964211.9/47

Right: 125.909+/-0.019 χ^2/NDF: 2074788.1/48

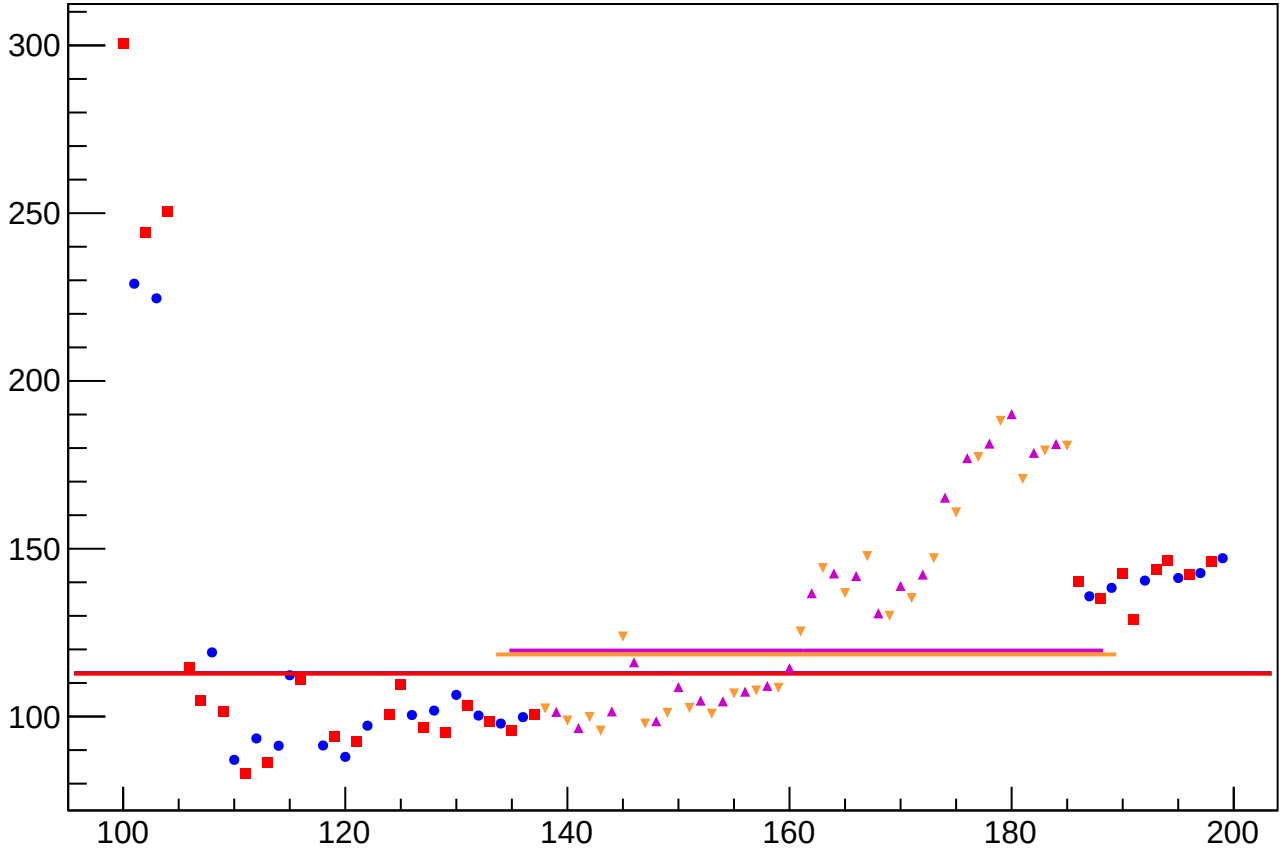
In: 130.392+/-0.017 χ^2/NDF:2371872.3/44

Out: 129.138+/-0.017 χ^2/NDF:2734902.3/51

All: 129.735+/-0.012 χ^2/NDF: 5109479.1/96


asym_bpm2i01WS_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
120
140
160
180
200
Right In: 1953.094+/-35.025 χ²/NDF: 82312.5/21
Left Out: -4098.897+/-27.771 χ²/NDF:66271.3/24
Right Out: 4081.687+/-33.138 χ²/NDF: 107886.1/26
Left In: -4869.740+/-28.809 χ²/NDF:21913.6/22
Left: -4470.191+/-19.994 χ²/NDF: 88556.0/47
Right: 3076.290+/-24.071 χ²/NDF: 192147.5/48
In: -2116.509+/-22.249 χ²/NDF:126859.8/44
Out: -723.772+/-21.285 χ²/NDF:209957.0/51
All: -1389.302+/-15.380 χ²/NDF: 338862.8/9

asym_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 112.911+/-0.025 χ^2/NDF: 1312499.3/21

Left Out: 118.502+/-0.020 χ^2/NDF:1627138.9/24

Right Out: 112.809+/-0.023 χ^2/NDF: 1557437.5/26

Left In: 119.645+/-0.020 χ^2/NDF:1512380.5/22

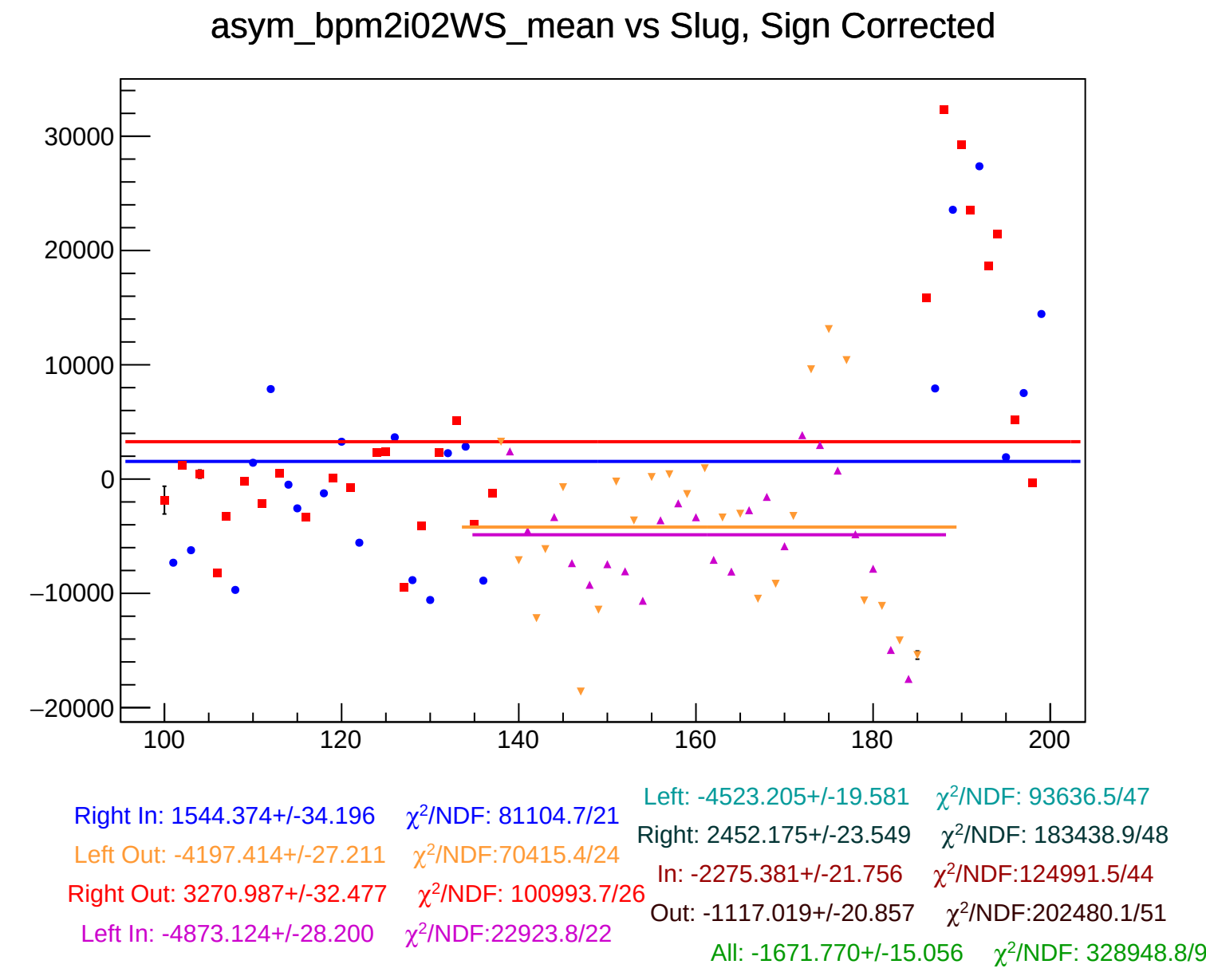
Left: 119.052+/-0.014 χ^2/NDF: 3141151.7/47

Right: 112.857+/-0.017 χ^2/NDF: 2869945.7/48

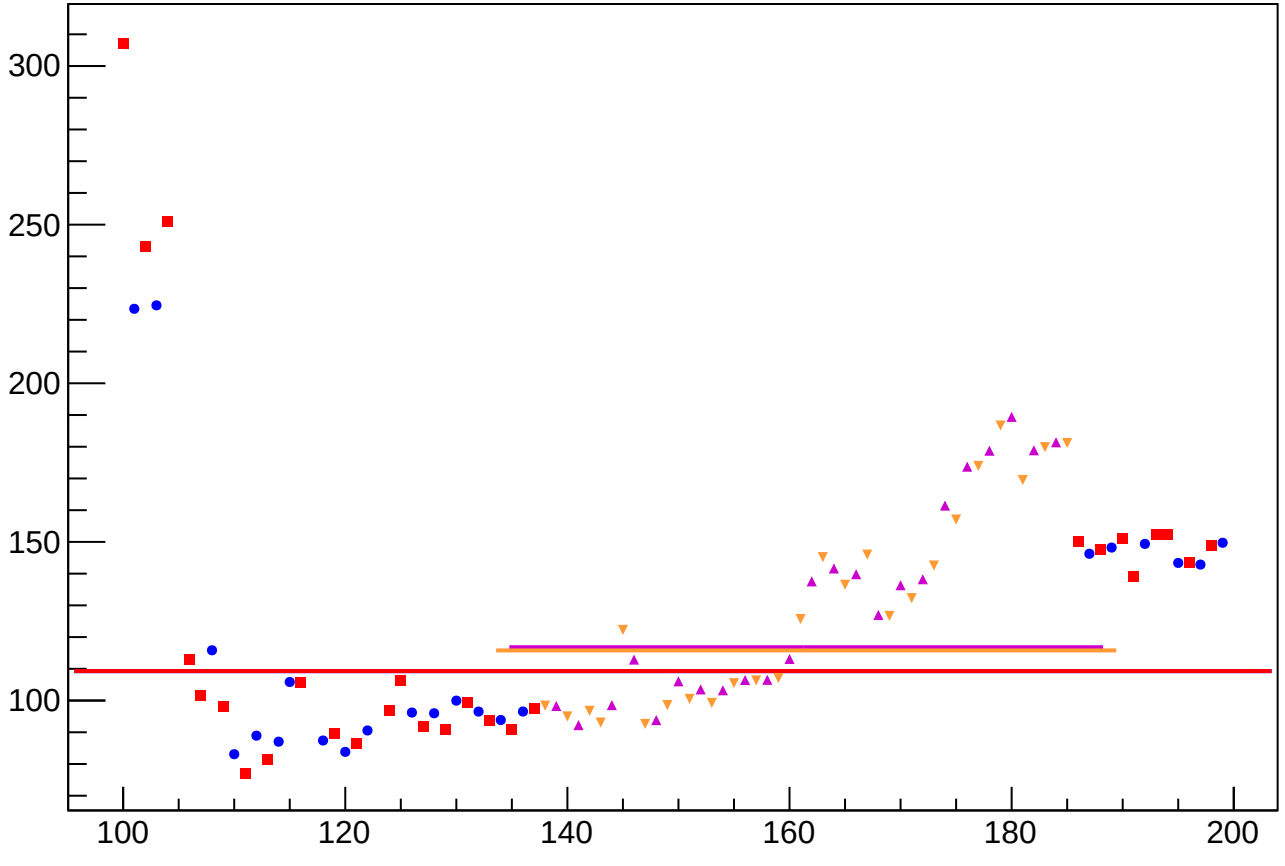
In: 116.927+/-0.016 χ^2/NDF:2868976.8/44

Out: 116.153+/-0.015 χ^2/NDF:3219253.3/51

All: 116.523+/-0.011 χ^2/NDF: 6089495.9/96


asym_bpm2i02WS_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
120
140
160
180
200
Right In: 1544.374+/-34.196 χ²/NDF: 81104.7/21
Left Out: -4197.414+/-27.211 χ²/NDF:70415.4/24
Right Out: 3270.987+/-32.477 χ²/NDF: 100993.7/26
Left In: -4873.124+/-28.200 χ²/NDF:22923.8/22
Left: -4523.205+/-19.581 χ²/NDF: 93636.5/47
Right: 2452.175+/-23.549 χ²/NDF: 183438.9/48
In: -2275.381+/-21.756 χ²/NDF:124991.5/44
Out: -1117.019+/-20.857 χ²/NDF:202480.1/51
All: -1671.770+/-15.056 χ²/NDF: 328948.8/9

asym_bpm2i02WS_rms vs Slug, Sign Corrected



Right In: 109.254+/-0.024 χ^2/NDF: 1593081.8/21

Left Out: 115.798+/-0.019 χ^2/NDF:1749021.2/24

Right Out: 109.292+/-0.023 χ^2/NDF: 2006862.0/26

Left In: 116.808+/-0.020 χ^2/NDF:1617645.9/22

Left: 116.285+/-0.014 χ^2/NDF: 3367997.1/47

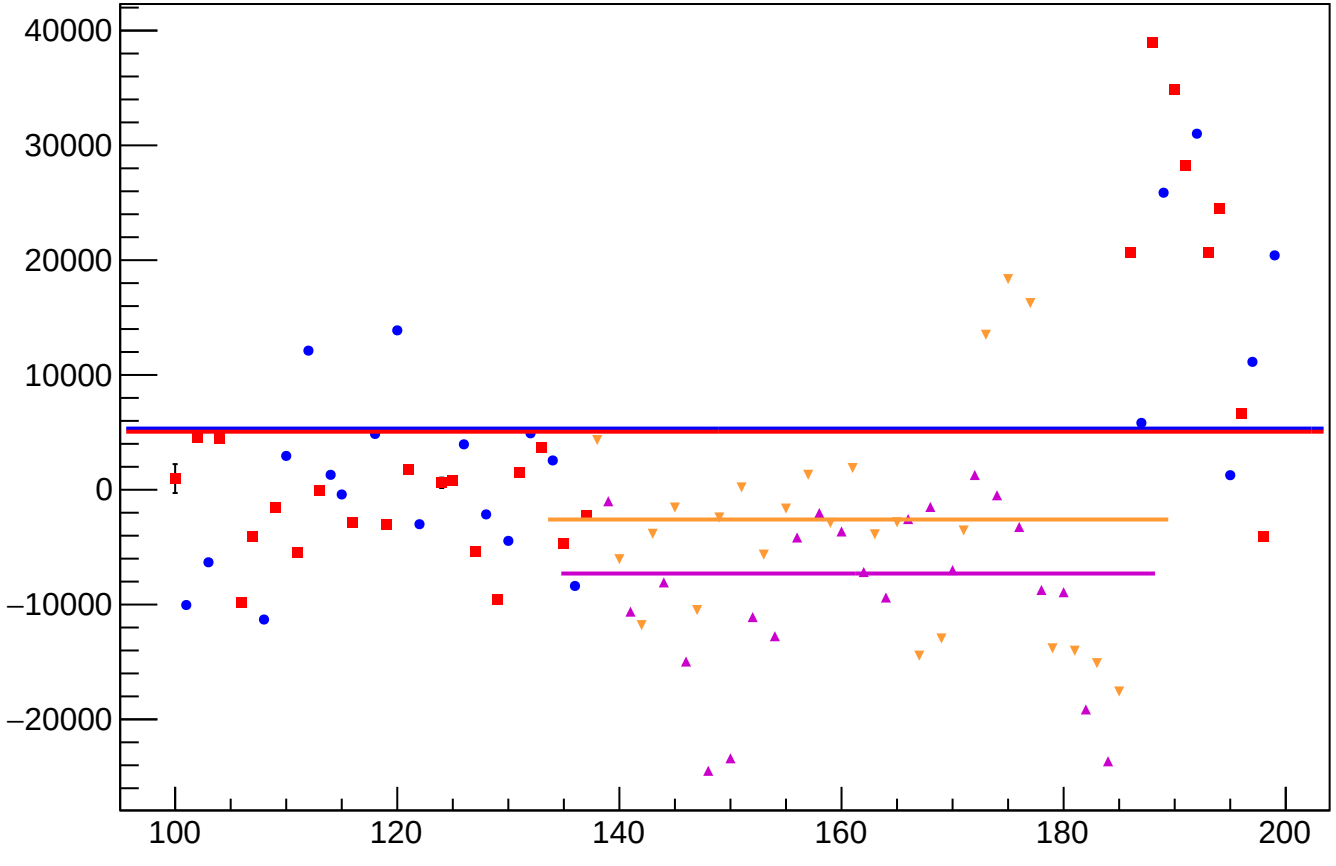
Right: 109.274+/-0.017 χ^2/NDF: 3599945.1/48

In: 113.750+/-0.015 χ^2/NDF:3268832.1/44

Out: 113.114+/-0.015 χ^2/NDF:3803042.5/51

All: 113.419+/-0.011 χ^2/NDF: 7072764.8/96

asym_bpm0i01WS_mean vs Slug, Sign Corrected



Right In: 5329.435+/-46.232 χ^2/NDF: 61365.2/21

Left Out: -2591.379+/-37.643 χ^2/NDF:47994.7/24

Right Out: 5058.303+/-43.982 χ^2/NDF: 95638.5/26

Left In: -7296.193+/-39.576 χ^2/NDF:24743.4/22

Left: -4826.123+/-27.275 χ^2/NDF: 80158.0/47

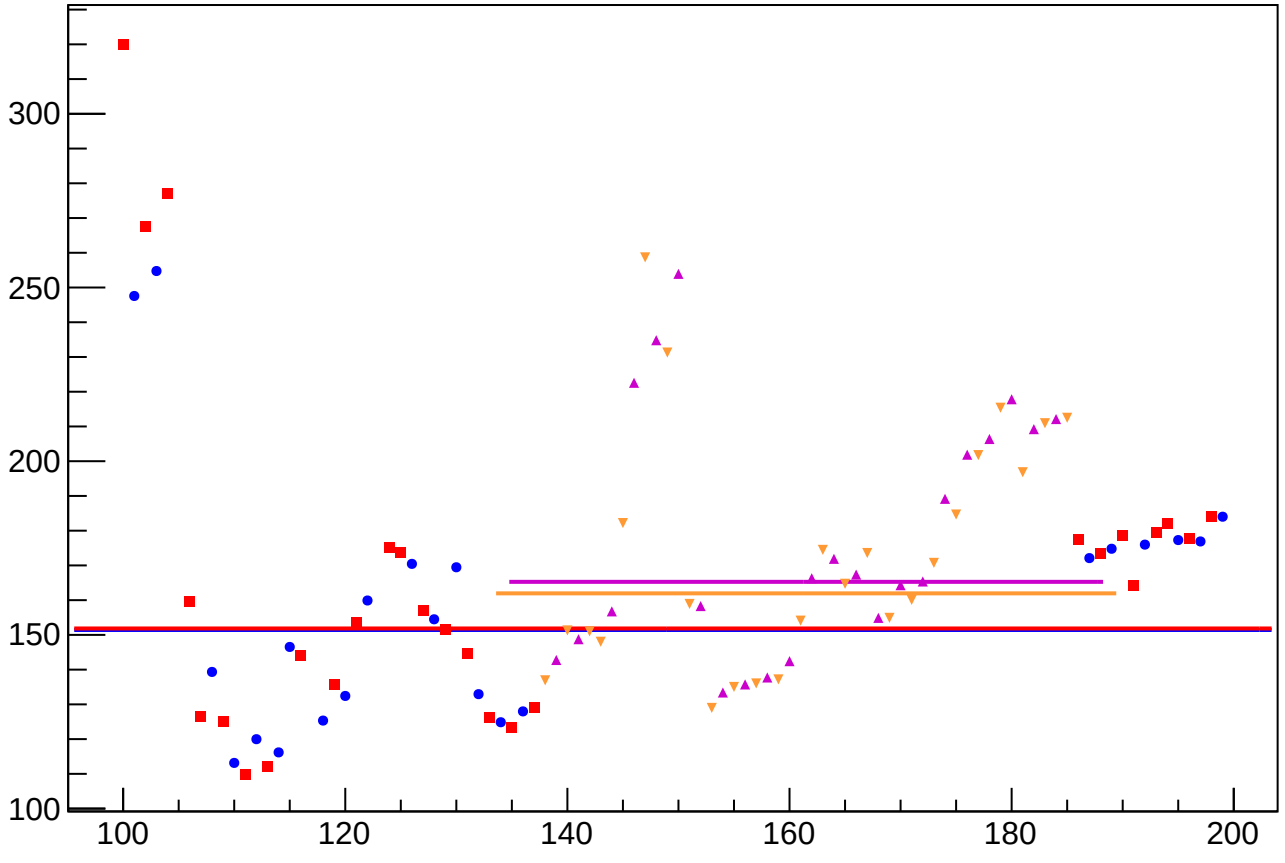
Right: 5187.110+/-31.865 χ^2/NDF: 157021.7/48

In: -1956.906+/-30.065 χ^2/NDF:129149.3/44

Out: 643.014+/-28.599 χ^2/NDF:161093.9/51

All: -592.012+/-20.721 χ^2/NDF: 294169.2/96

asym_bpm0i01WS_rms vs Slug, Sign Corrected



Right In: 151.418+/-0.033 χ^2/NDF: 941443.3/21

Left Out: 161.957+/-0.027 χ^2/NDF:1144808.3/24

Right Out: 151.850+/-0.031 χ^2/NDF: 1150449.6/26

Left In: 165.273+/-0.028 χ^2/NDF:1179090.6/22

Left: 163.532+/-0.019 χ^2/NDF: 2331268.8/47

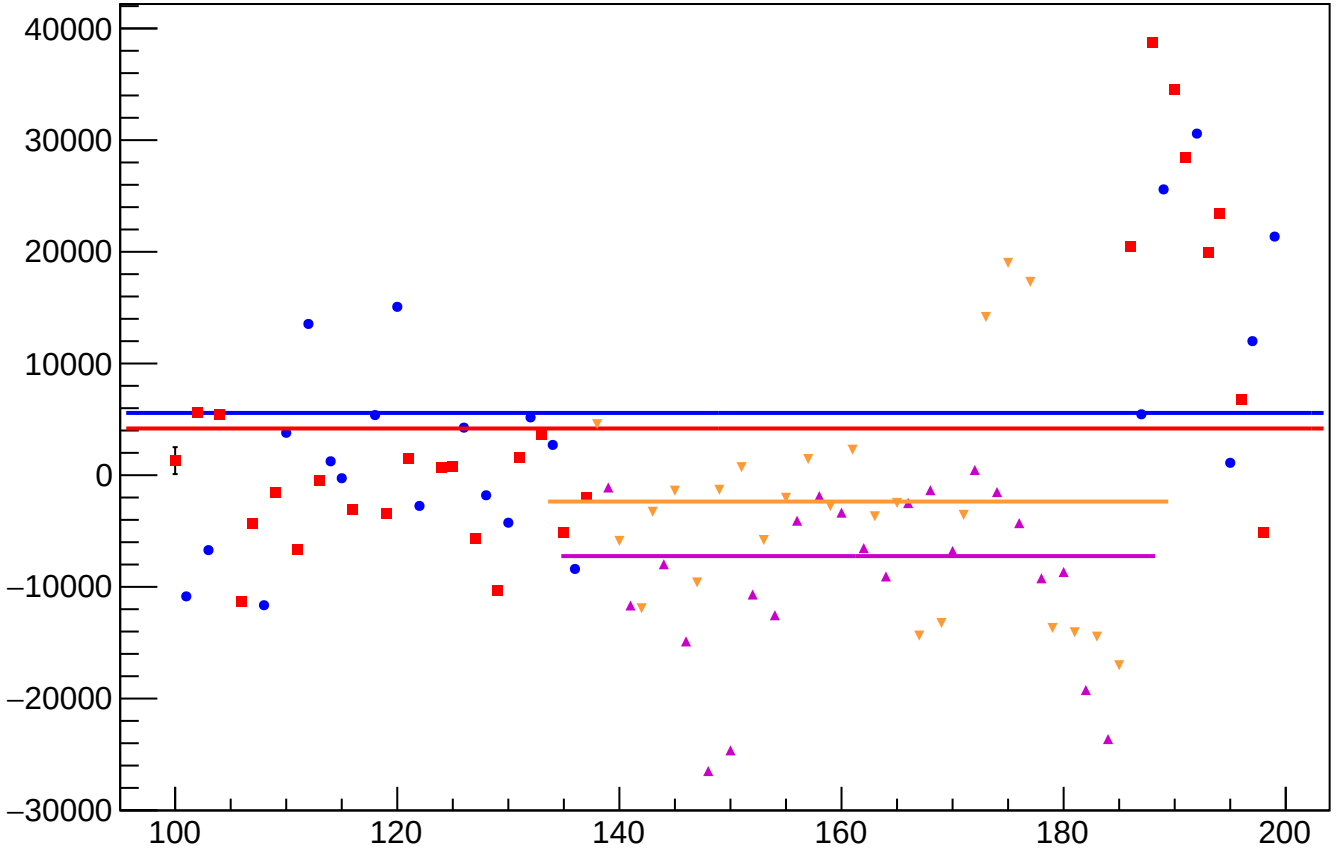
Right: 151.644+/-0.023 χ^2/NDF: 2091984.5/48

In: 159.413+/-0.021 χ^2/NDF:2224192.8/44

Out: 157.683+/-0.020 χ^2/NDF:2356223.0/51

All: 158.505+/-0.015 χ^2/NDF: 4583892.4/96

asym_bpm0i01aWS_mean vs Slug, Sign Corrected



Right In: 5574.841+/-39.096 χ^2/NDF: 85553.7/21

Left Out: -2360.753+/-33.680 χ^2/NDF:58566.4/24

Right Out: 4182.580+/-36.929 χ^2/NDF: 132356.5/26

Left In: -7244.763+/-35.507 χ^2/NDF:30447.9/22

Left: -4673.874+/-24.436 χ^2/NDF: 98973.5/47

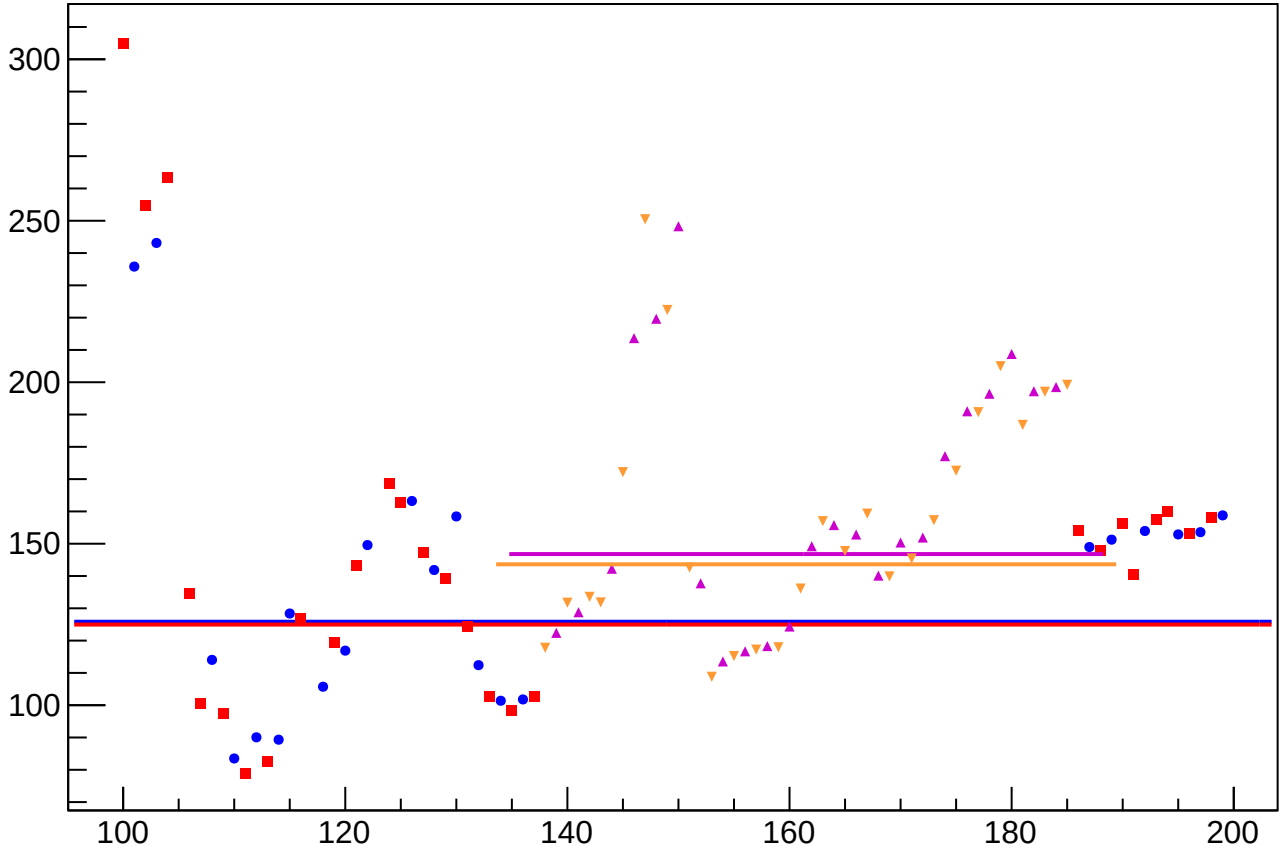
Right: 4839.068+/-26.846 χ^2/NDF: 218580.4/48

In: -1450.194+/-26.285 χ^2/NDF:174921.6/44

Out: 610.449+/-24.885 χ^2/NDF:208061.8/51

All: -363.548+/-18.071 χ^2/NDF: 386224.4/96

asym_bpm0i01aWS_rms vs Slug, Sign Corrected



Right In: 125.840+/-0.028 χ^2/NDF: 1510590.6/21

Left Out: 143.622+/-0.024 χ^2/NDF:1662825.4/24

Right Out: 124.968+/-0.026 χ^2/NDF: 1885195.7/26

Left In: 146.793+/-0.025 χ^2/NDF:1694524.1/22

Left: 145.124+/-0.017 χ^2/NDF: 3365746.4/47

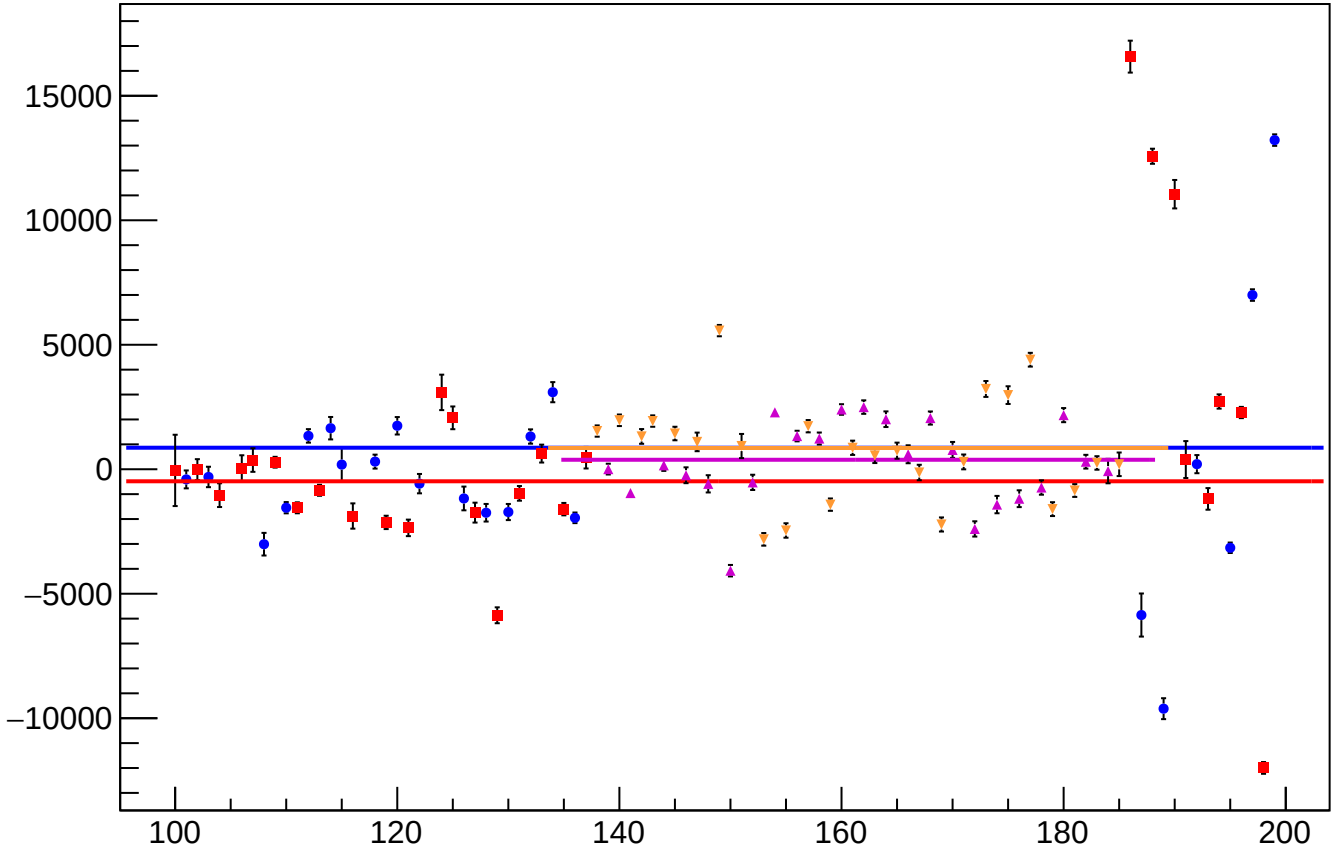
Right: 125.379+/-0.019 χ^2/NDF: 3396312.6/48

In: 137.322+/-0.019 χ^2/NDF:3519926.2/44

Out: 135.151+/-0.018 χ^2/NDF:3826626.9/51

All: 136.178+/-0.013 χ^2/NDF: 7353746.3/96

asym_bpm0l01WS_mean vs Slug, Sign Corrected



Right In: 864.767+/-67.005 χ^2/NDF: 5188.1/21

Left Out: 853.916+/-56.237 χ^2/NDF:1443.8/24

Right Out: -483.575+/-63.963 χ^2/NDF: 6146.6/26

Left In: 380.865+/-55.135 χ^2/NDF:982.4/22

Left: 612.713+/-39.370 χ^2/NDF: 2462.3/47

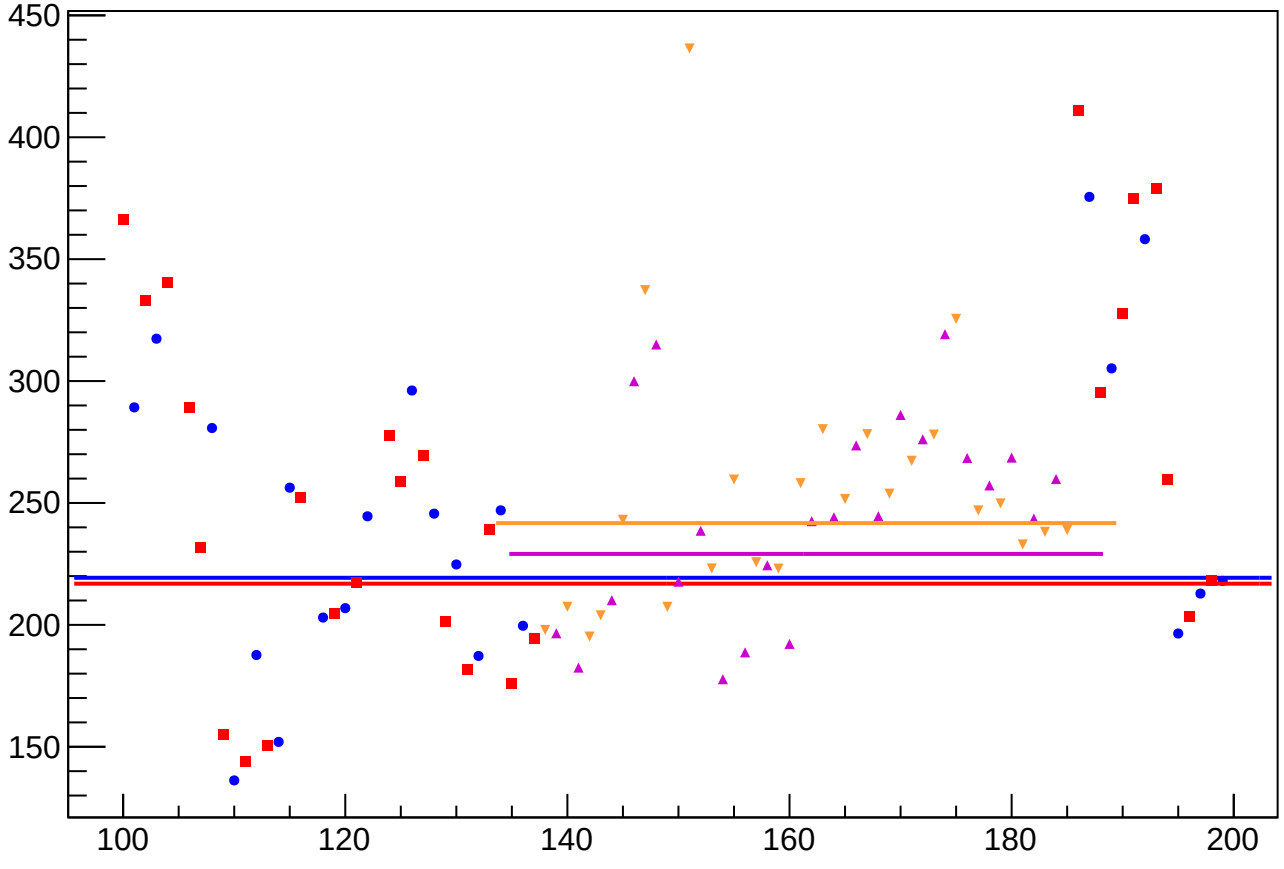
Right: 159.297+/-46.267 χ^2/NDF: 11546.6/48

In: 576.230+/-42.575 χ^2/NDF:6201.5/44

Out: 270.792+/-42.234 χ^2/NDF:7837.1/51

All: 422.285+/-29.984 χ^2/NDF: 14064.6/96

asym_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 219.315+/-0.047 χ^2/NDF: 1171108.7/21

Left Out: 241.746+/-0.040 χ^2/NDF:986390.8/24

Right Out: 216.897+/-0.045 χ^2/NDF: 1901140.4/26

Left In: 229.103+/-0.039 χ^2/NDF:1068960.6/22

Left: 235.300+/-0.028 χ^2/NDF: 2106890.7/47

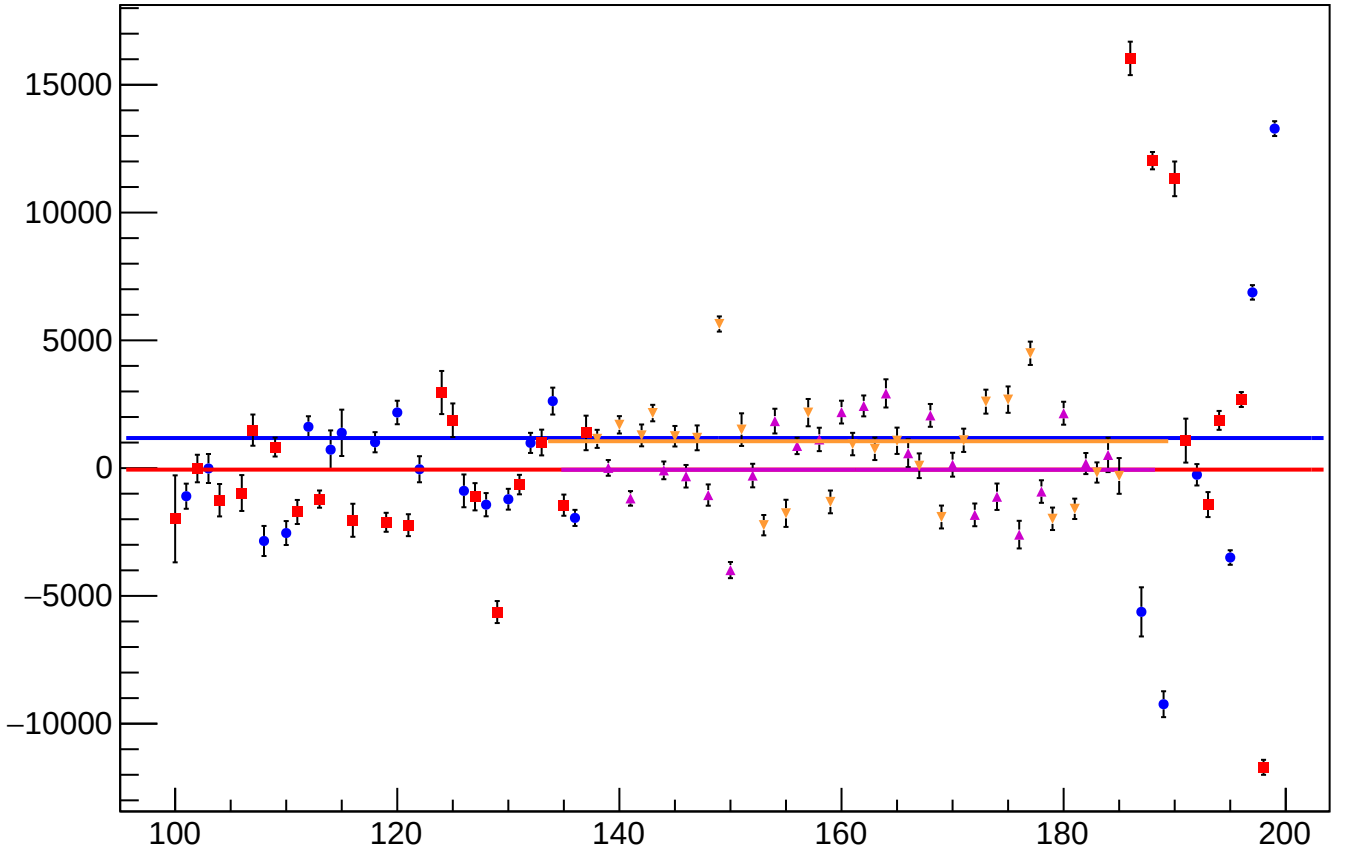
Right: 218.050+/-0.033 χ^2/NDF: 3073610.9/48

In: 225.151+/-0.030 χ^2/NDF:2265520.2/44

Out: 230.912+/-0.030 χ^2/NDF:3057770.3/51

All: 228.055+/-0.021 χ^2/NDF: 5341747.9/96

asym_bpm0l02WS_mean vs Slug, Sign Corrected



Right In: 1177.504+/-91.596 χ^2/NDF: 3225.8/21

Left Out: 1053.354+/-85.895 χ^2/NDF:614.6/24

Right Out: -58.513+/-88.532 χ^2/NDF: 4185.2/26

Left In: -64.646+/-86.660 χ^2/NDF:394.4/22

Left: 499.305+/-61.006 χ^2/NDF: 1093.0/47

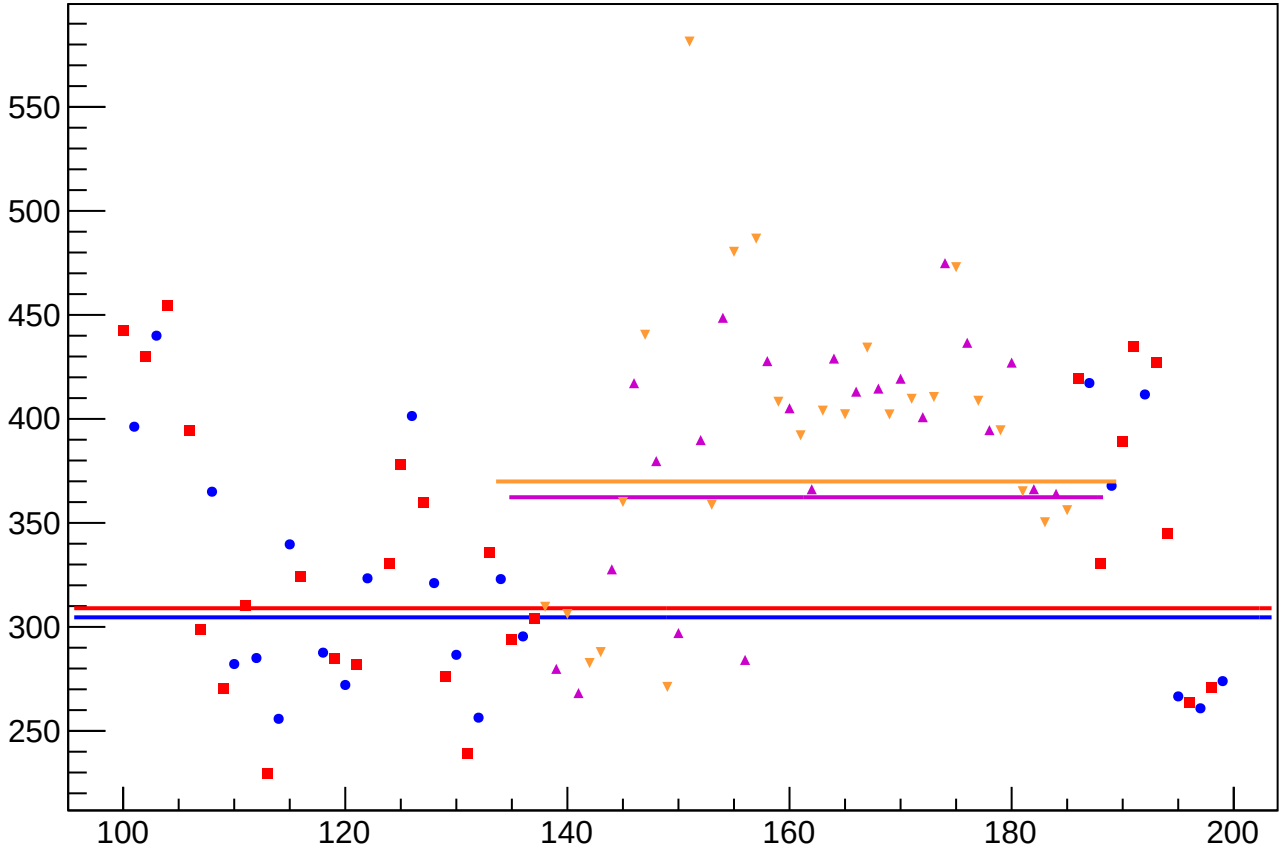
Right: 538.473+/-63.657 χ^2/NDF: 7505.1/48

In: 522.056+/-62.950 χ^2/NDF:3717.3/44

Out: 514.221+/-61.648 χ^2/NDF:4881.1/51

All: 518.057+/-44.045 χ^2/NDF: 8598.3/96

asym_bpm0l02WS_rms vs Slug, Sign Corrected



Right In: 304.603+/-0.065 χ^2/NDF: 622512.2/21

Left Out: 369.923+/-0.061 χ^2/NDF:1230300.9/24

Right Out: 308.980+/-0.063 χ^2/NDF: 882085.1/26

Left In: 362.341+/-0.061 χ^2/NDF:1053395.6/22

Left: 366.166+/-0.043 χ^2/NDF: 2291420.1/47

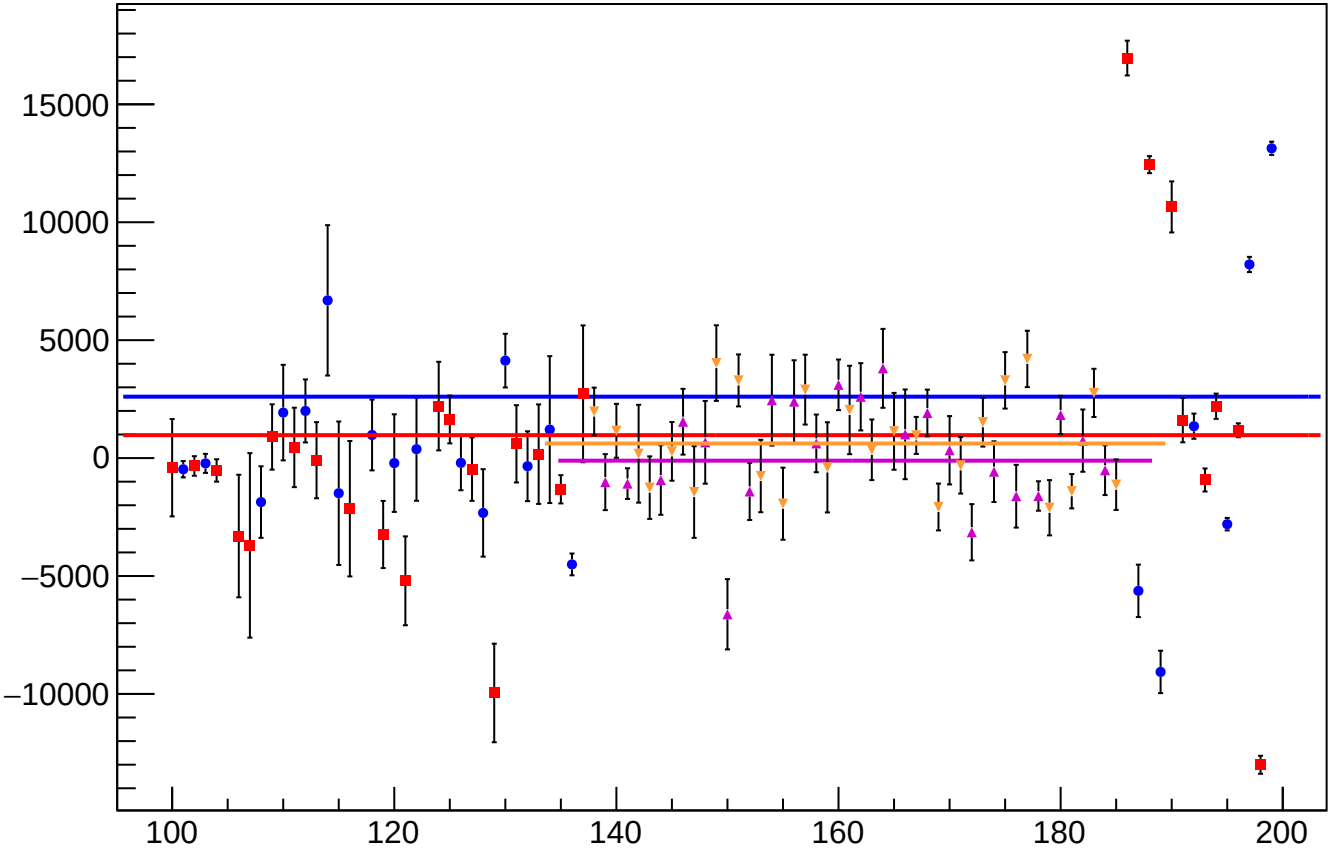
Right: 306.866+/-0.045 χ^2/NDF: 1506958.8/48

In: 335.070+/-0.045 χ^2/NDF:2095244.0/44

Out: 340.373+/-0.044 χ^2/NDF:2600567.6/51

All: 337.777+/-0.031 χ^2/NDF: 4703056.7/96

asym_bpm0l03WS_mean vs Slug, Sign Corrected



Right In: 2603.688+/-123.186 χ^2/NDF: 2749.7/21

Left Out: 618.538+/-238.150 χ^2/NDF:65.7/24

Right Out: 972.176+/-133.601 χ^2/NDF: 3006.7/26

Left In: -109.519+/-237.827 χ^2/NDF:71.7/22

Left: 254.016+/-168.283 χ^2/NDF: 142.1/47

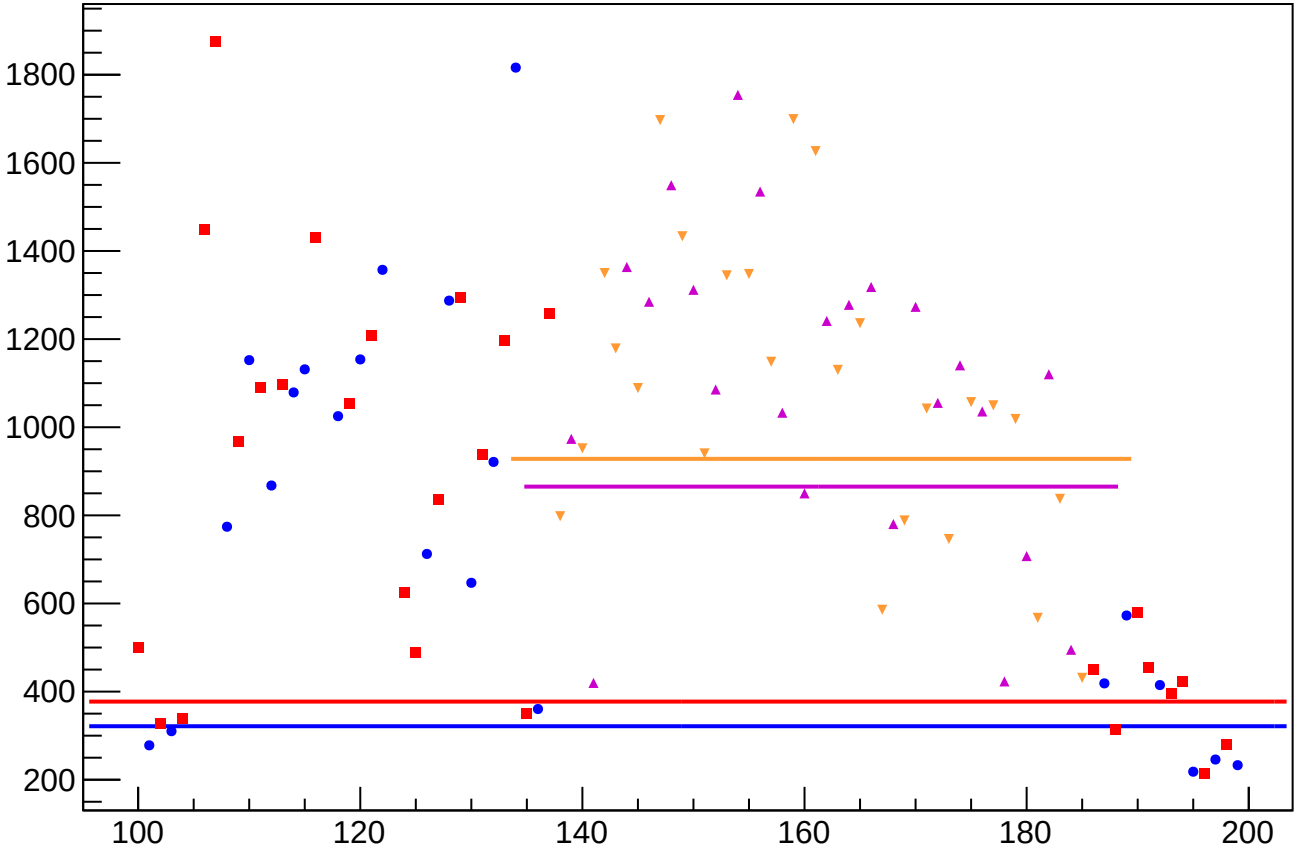
Right: 1853.995+/-90.564 χ^2/NDF: 5837.0/48

In: 2029.749+/-109.384 χ^2/NDF:2924.0/44

Out: 887.523+/-116.518 χ^2/NDF:3074.1/51

All: 1494.674+/-79.749 χ^2/NDF: 6049.2/96

asym_bpm0l03WS_rms vs Slug, Sign Corrected



Right In: 321.410+/-0.087 χ^2/NDF: 4929117.6/21

Left Out: 928.240+/-0.168 χ^2/NDF:3294716.2/24

Right Out: 377.340+/-0.094 χ^2/NDF: 5247369.0/26

Left In: 865.223+/-0.168 χ^2/NDF:4792678.4/22

Left: 896.689+/-0.119 χ^2/NDF: 8157507.8/47

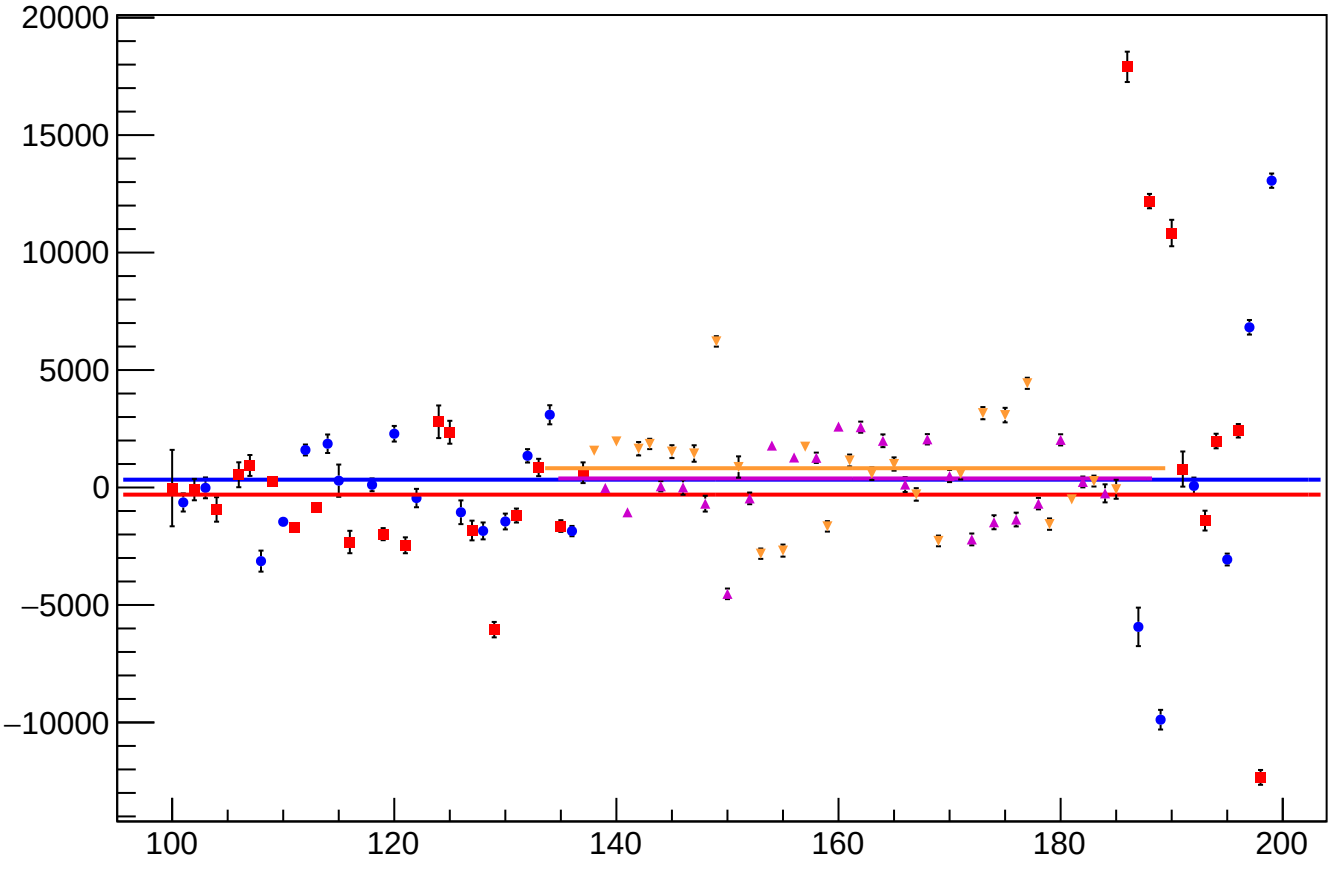
Right: 347.110+/-0.064 χ^2/NDF: 10365934.6/48

In: 436.445+/-0.077 χ^2/NDF:17966760.8/44

Out: 509.214+/-0.082 χ^2/NDF:16682429.3/51

All: 470.534+/-0.056 χ^2/NDF: 35063831.9/96

asym_bpm0l04WS_mean vs Slug, Sign Corrected



Right In: 333.312+/-69.198 χ^2/NDF: 3476.5/21

Left Out: 820.821+/-49.996 χ^2/NDF:1990.8/24

Right Out: -303.266+/-64.086 χ^2/NDF: 5056.5/26

Left In: 385.002+/-48.455 χ^2/NDF:1253.3/22

Left: 596.090+/-34.795 χ^2/NDF: 3283.3/47

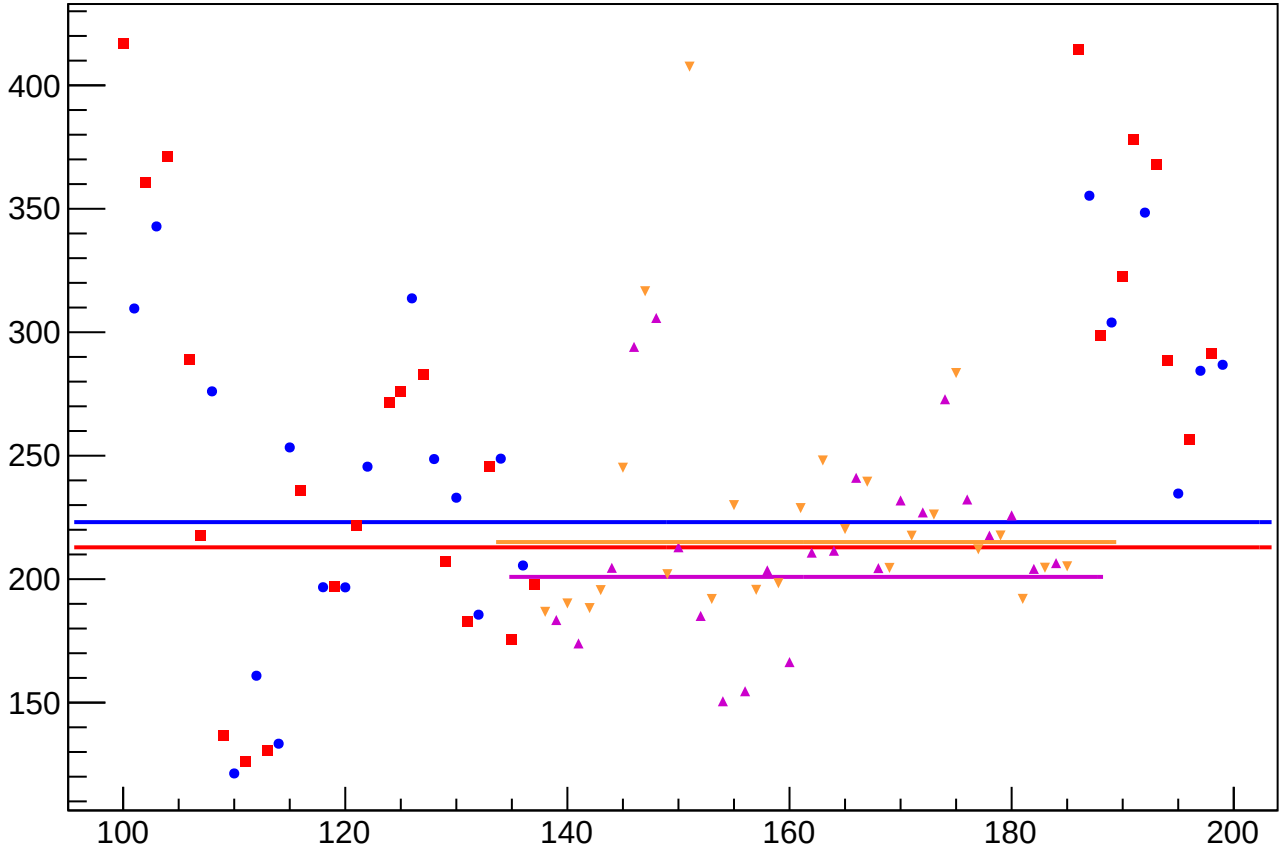
Right: -9.358+/-47.019 χ^2/NDF: 8578.5/48

In: 367.996+/-39.691 χ^2/NDF:4730.2/44

Out: 395.522+/-39.419 χ^2/NDF:7238.5/51

All: 381.854+/-27.969 χ^2/NDF: 11968.9/96

asym_bpm0l04WS_rms vs Slug, Sign Corrected



Right In: 223.098+/-0.049 χ^2/NDF: 1745720.8/21

Left Out: 215.027+/-0.035 χ^2/NDF:897791.6/24

Right Out: 212.891+/-0.045 χ^2/NDF: 2834516.4/26

Left In: 200.917+/-0.034 χ^2/NDF:1105842.5/22

Left: 207.751+/-0.025 χ^2/NDF: 2085775.1/47

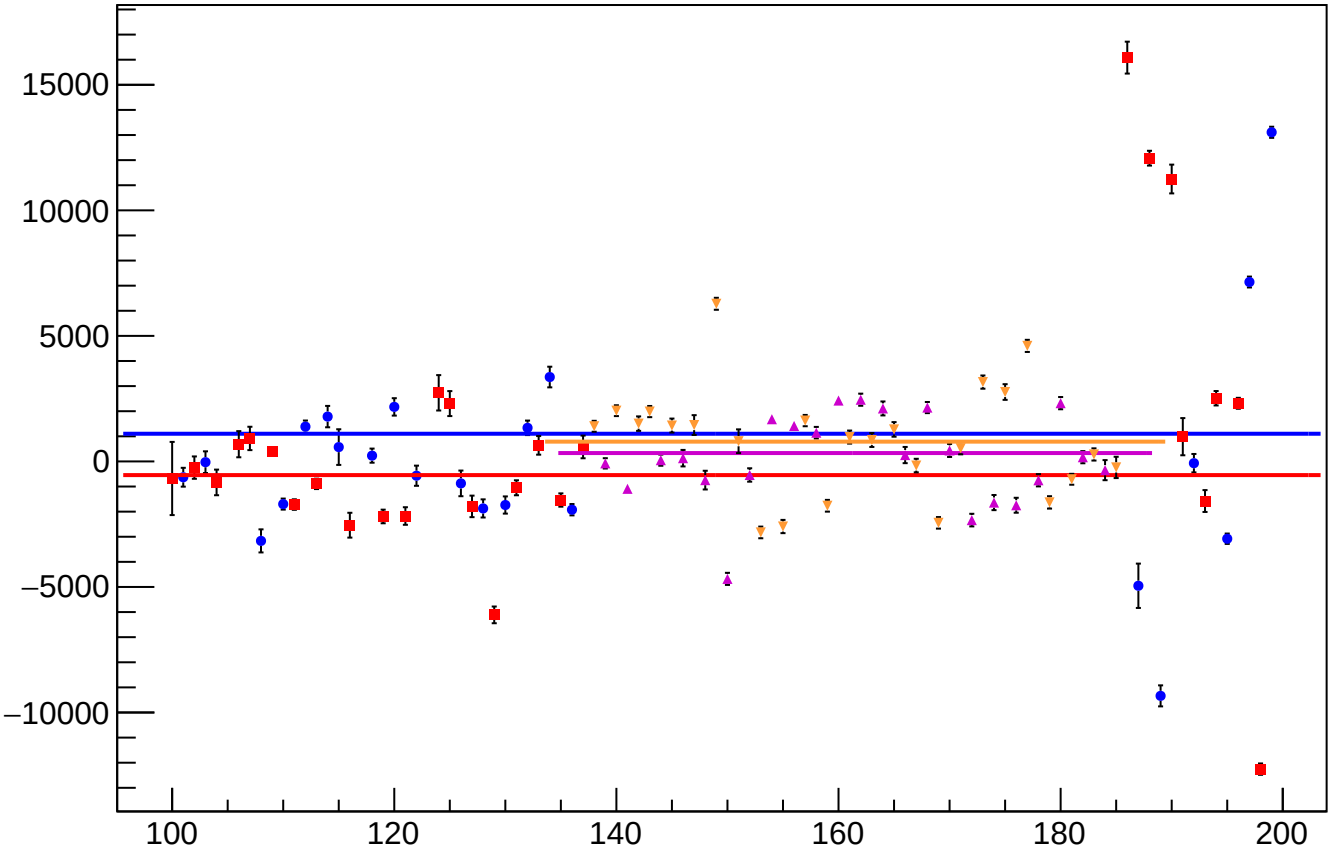
Right: 217.604+/-0.033 χ^2/NDF: 4603663.5/48

In: 208.215+/-0.028 χ^2/NDF:2989454.0/44

Out: 214.219+/-0.028 χ^2/NDF:3733689.2/51

All: 211.237+/-0.020 χ^2/NDF: 6746181.7/96

asym_bpm0l05WS_mean vs Slug, Sign Corrected



Right In: 1102.414+/-66.446 χ^2/NDF: 5485.1/21

Left Out: 788.110+/-51.424 χ^2/NDF:1890.2/24

Right Out: -544.651+/-63.221 χ^2/NDF: 6444.6/26

Left In: 333.303+/-50.194 χ^2/NDF:1215.2/22

Left: 555.203+/-35.920 χ^2/NDF: 3145.5/47

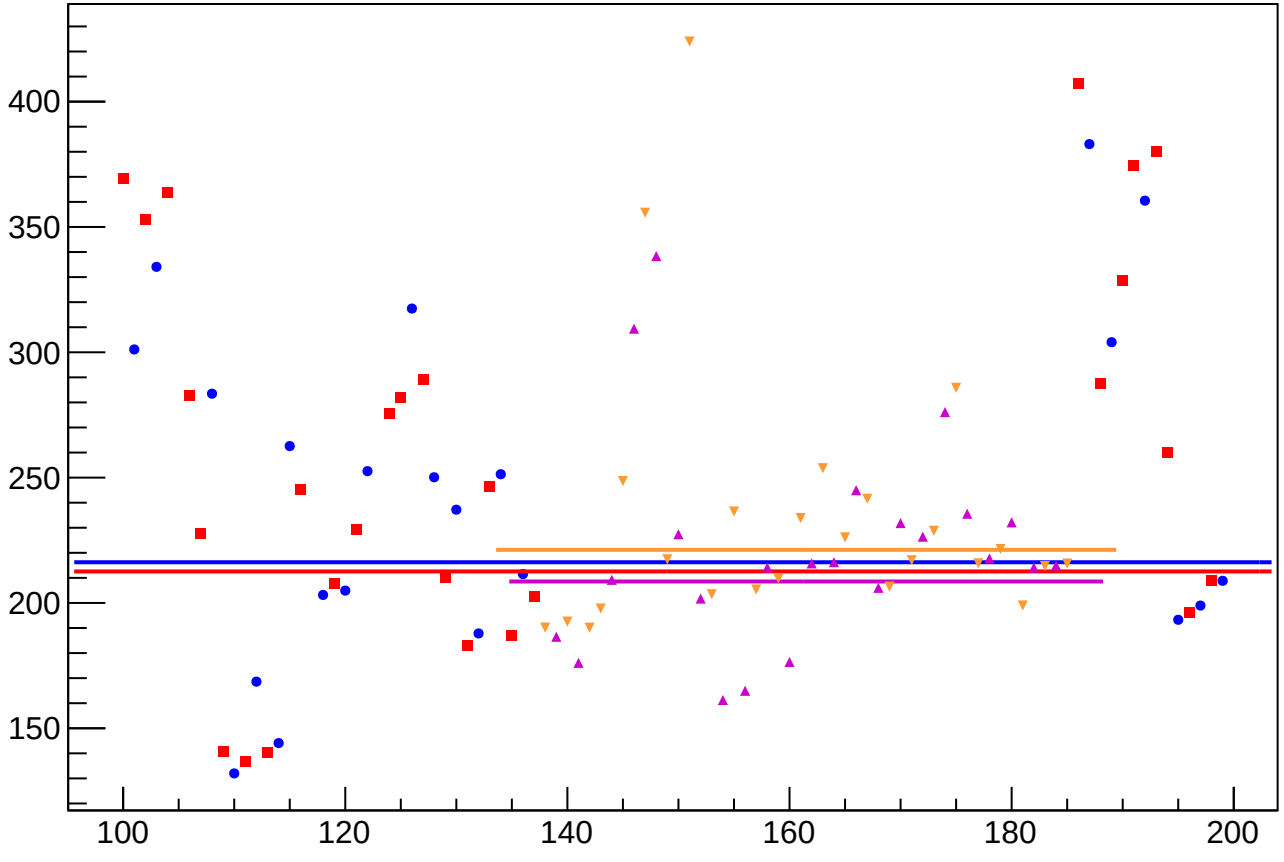
Right: 237.936+/-45.802 χ^2/NDF: 12252.2/48

In: 612.737+/-40.051 χ^2/NDF:6785.6/44

Out: 257.429+/-39.893 χ^2/NDF:8602.2/51

All: 434.381+/-28.265 χ^2/NDF: 15427.4/96

asym_bpm0l05WS_rms vs Slug, Sign Corrected



Right In: 216.238+/-0.047 χ^2/NDF: 1400513.7/21

Left Out: 221.185+/-0.036 χ^2/NDF:939520.0/24

Right Out: 212.569+/-0.045 χ^2/NDF: 2247558.3/26

Left In: 208.556+/-0.035 χ^2/NDF:1035638.0/22

Left: 214.718+/-0.025 χ^2/NDF: 2036930.5/47

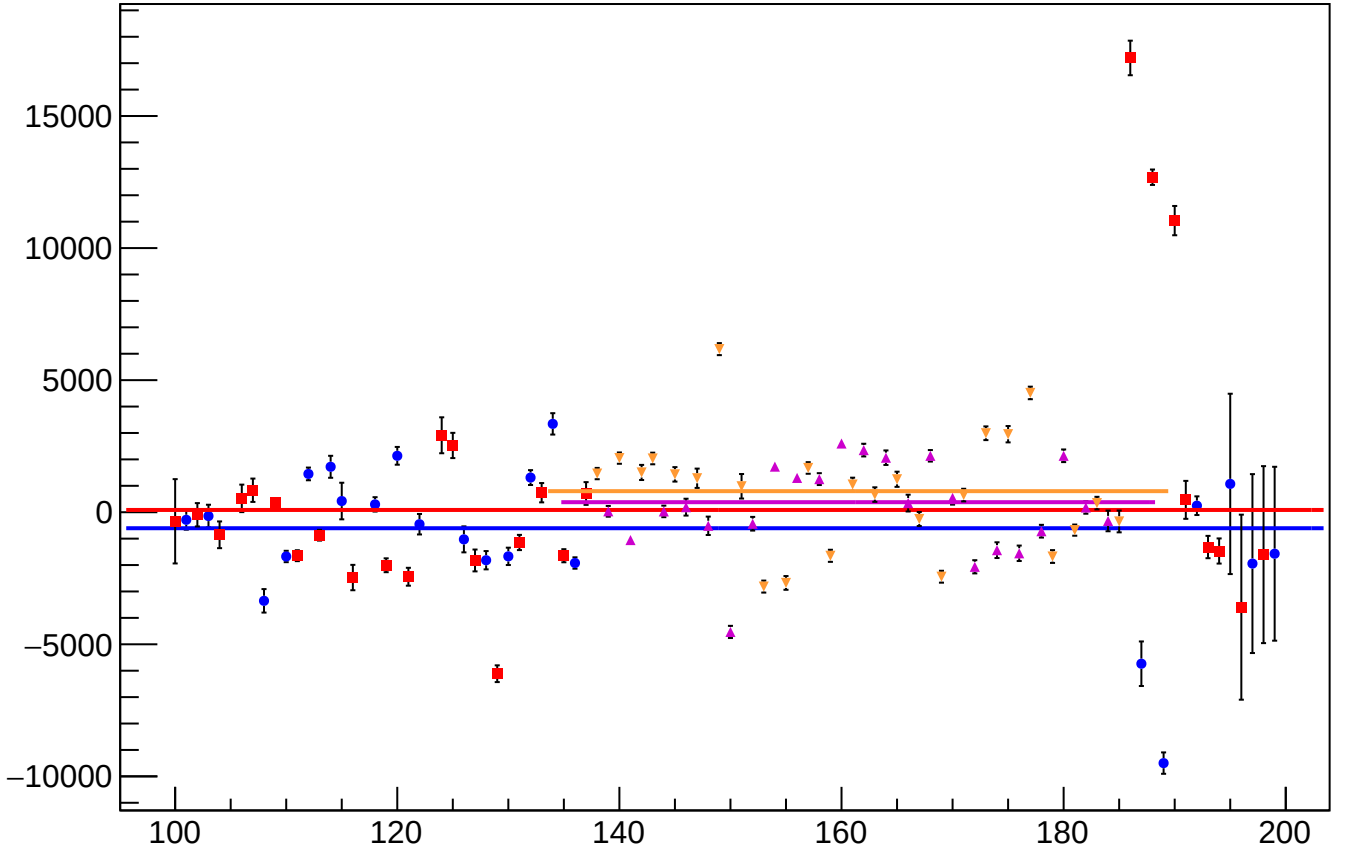
Right: 214.312+/-0.032 χ^2/NDF: 3651273.1/48

In: 211.347+/-0.028 χ^2/NDF:2453172.2/44

Out: 217.754+/-0.028 χ^2/NDF:3209435.5/51

All: 214.563+/-0.020 χ^2/NDF: 5688300.7/96

asym_bpm0l06WS_mean vs Slug, Sign Corrected



Right In: -605.967+/-76.435 χ^2/NDF: 977.0/21

Left Out: 797.475+/-50.495 χ^2/NDF:1960.8/24

Right Out: 85.695+/-68.157 χ^2/NDF: 3731.5/26

Left In: 379.578+/-49.183 χ^2/NDF:1201.2/22

Left: 583.028+/-35.232 χ^2/NDF: 3197.2/47

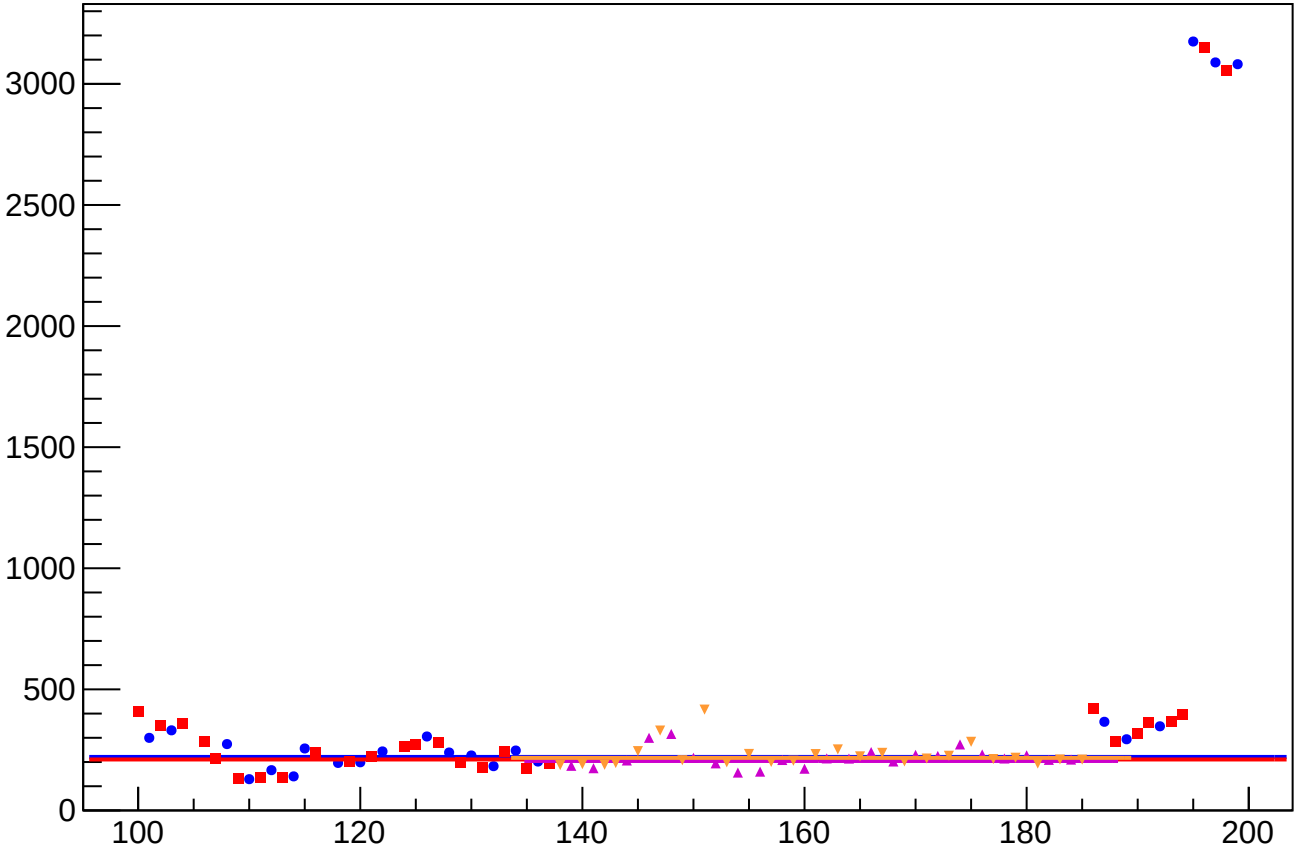
Right: -220.671+/-50.870 χ^2/NDF: 4754.1/48

In: 90.998+/-41.360 χ^2/NDF:2295.8/44

Out: 545.243+/-40.573 χ^2/NDF:5762.7/51

All: 322.484+/-28.964 χ^2/NDF: 8120.0/96

asym_bpm0l06WS_rms vs Slug, Sign Corrected



Right In: 220.984+/-0.054 χ^2/NDF: 5775973.4/21

Left Out: 217.224+/-0.036 χ^2/NDF:910445.0/24

Right Out: 210.498+/-0.048 χ^2/NDF: 5465309.5/26

Left In: 204.308+/-0.035 χ^2/NDF:1015049.0/22

Left: 210.596+/-0.025 χ^2/NDF: 1992646.9/47

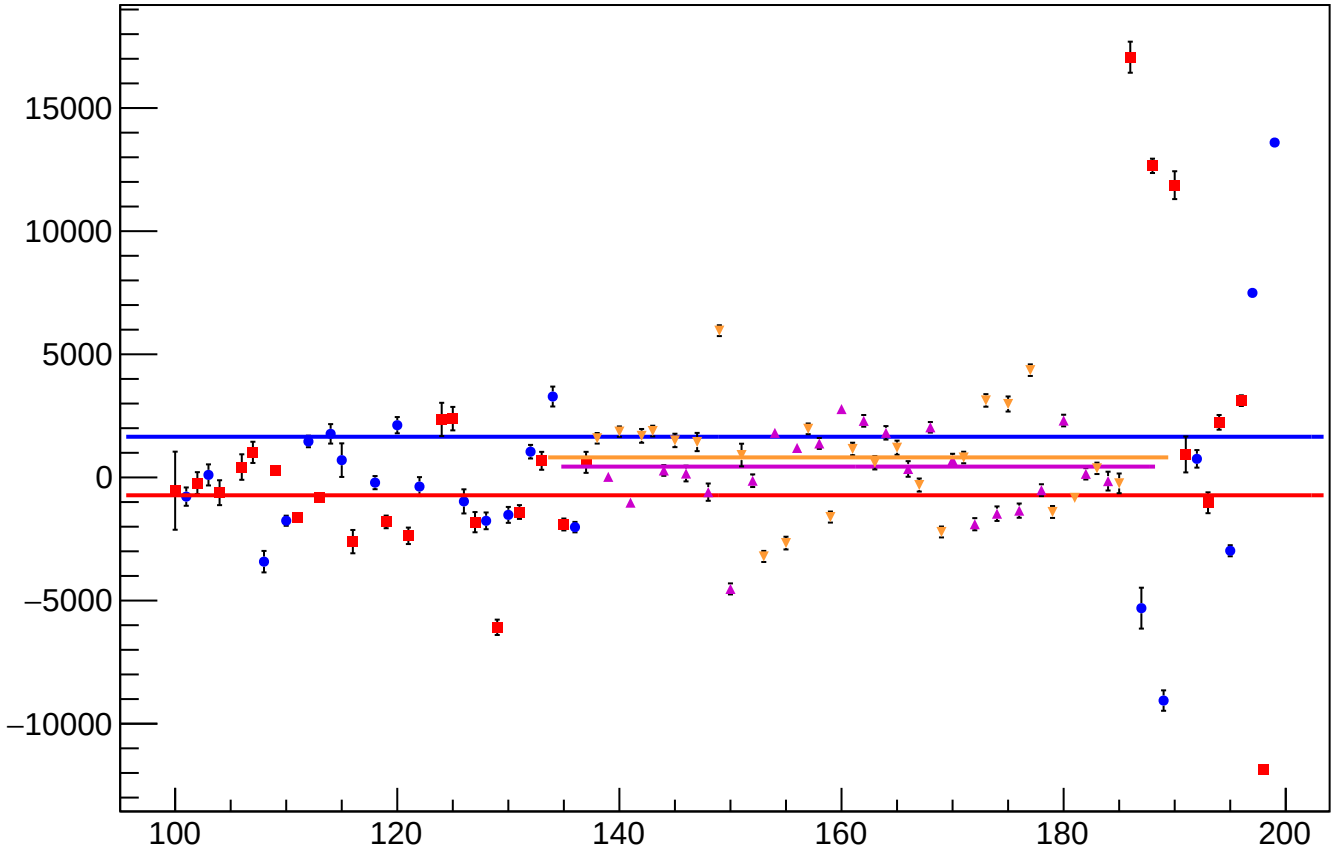
Right: 215.142+/-0.036 χ^2/NDF: 11262252.0/48

In: 209.191+/-0.029 χ^2/NDF:6858343.0/44

Out: 214.841+/-0.029 χ^2/NDF:6388332.5/51

All: 212.070+/-0.020 χ^2/NDF: 13265693.1/96

asym_bpm0l07WS_mean vs Slug, Sign Corrected



Right In: 1651.973+/-62.950 χ^2/NDF: 7184.9/21

Left Out: 814.275+/-49.760 χ^2/NDF:2000.4/24

Right Out: -724.802+/-59.901 χ^2/NDF: 7587.0/26

Left In: 439.674+/-48.535 χ^2/NDF:1235.0/22

Left: 622.309+/-34.745 χ^2/NDF: 3264.4/47

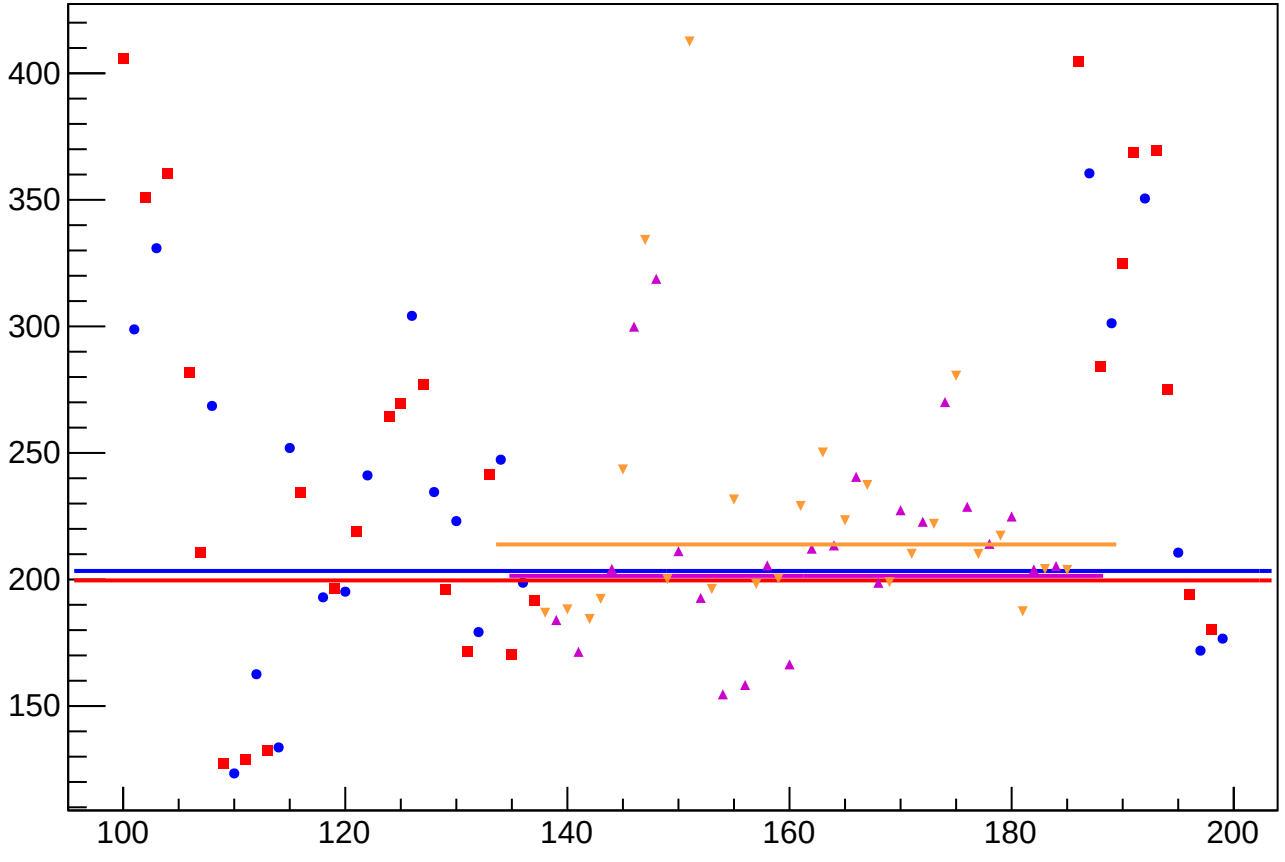
Right: 404.625+/-43.394 χ^2/NDF: 15520.0/48

In: 891.656+/-38.437 χ^2/NDF:8652.4/44

Out: 185.855+/-38.276 χ^2/NDF:9978.0/51

All: 537.272+/-27.122 χ^2/NDF: 18799.7/96

asym_bpm0l07WS_rms vs Slug, Sign Corrected



Right In: 203.376+/-0.045 χ^2/NDF: 1582327.9/21

Left Out: 213.848+/-0.035 χ^2/NDF:963582.3/24

Right Out: 199.638+/-0.042 χ^2/NDF: 2619470.1/26

Left In: 201.446+/-0.034 χ^2/NDF:1061972.3/22

Left: 207.492+/-0.025 χ^2/NDF: 2089227.0/47

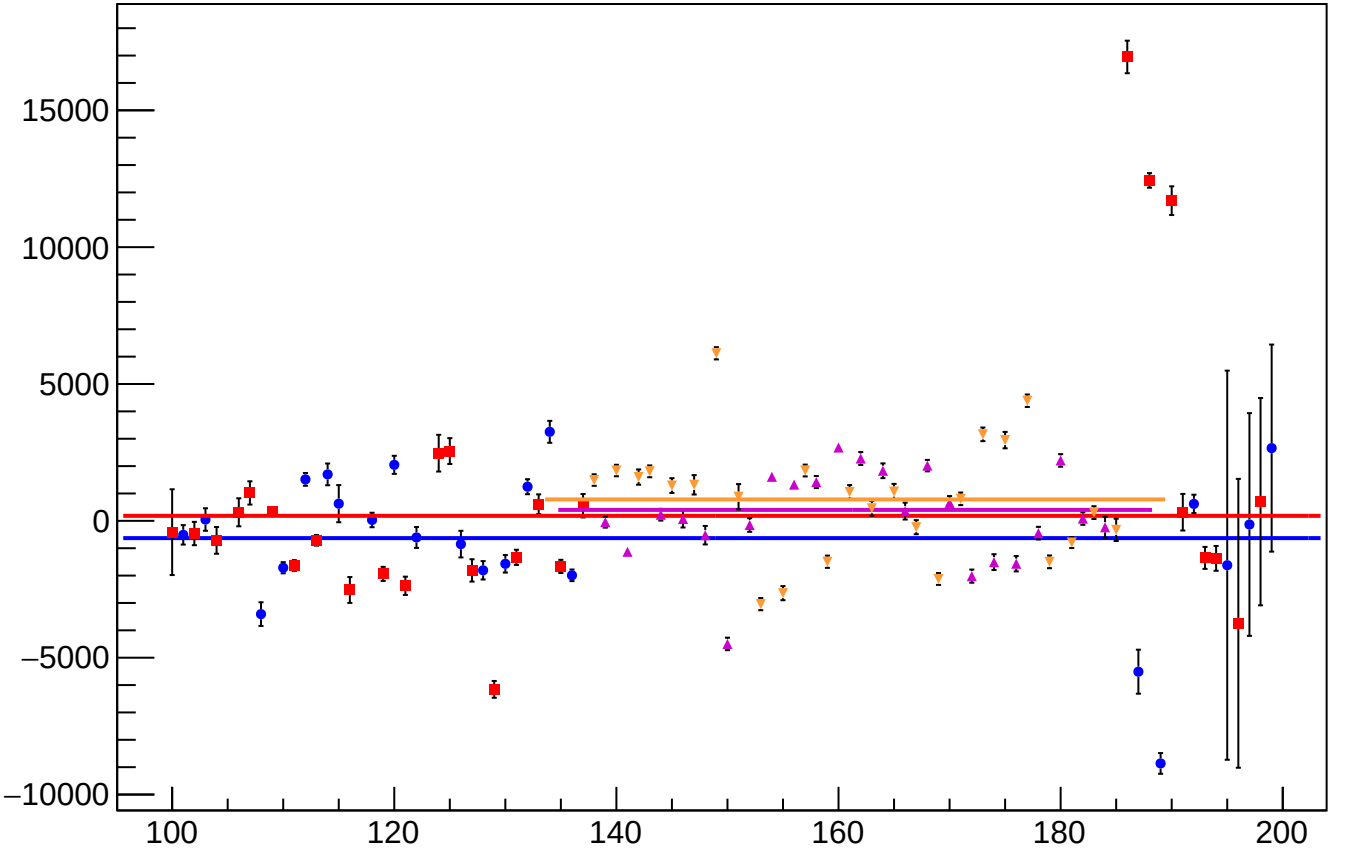
Right: 201.414+/-0.031 χ^2/NDF: 4205499.3/48

In: 202.165+/-0.027 χ^2/NDF:2645479.9/44

Out: 208.046+/-0.027 χ^2/NDF:3649650.7/51

All: 205.118+/-0.019 χ^2/NDF: 6318636.1/96

asym_bpm0l08WS_mean vs Slug, Sign Corrected



Right In: -630.882+/-74.035 χ^2/NDF: 993.2/21

Left Out: 782.388+/-49.199 χ^2/NDF:2001.3/24

Right Out: 183.652+/-65.466 χ^2/NDF: 4272.5/26

Left In: 399.798+/-47.819 χ^2/NDF:1232.0/22

Left: 585.651+/-34.291 χ^2/NDF: 3264.4/47

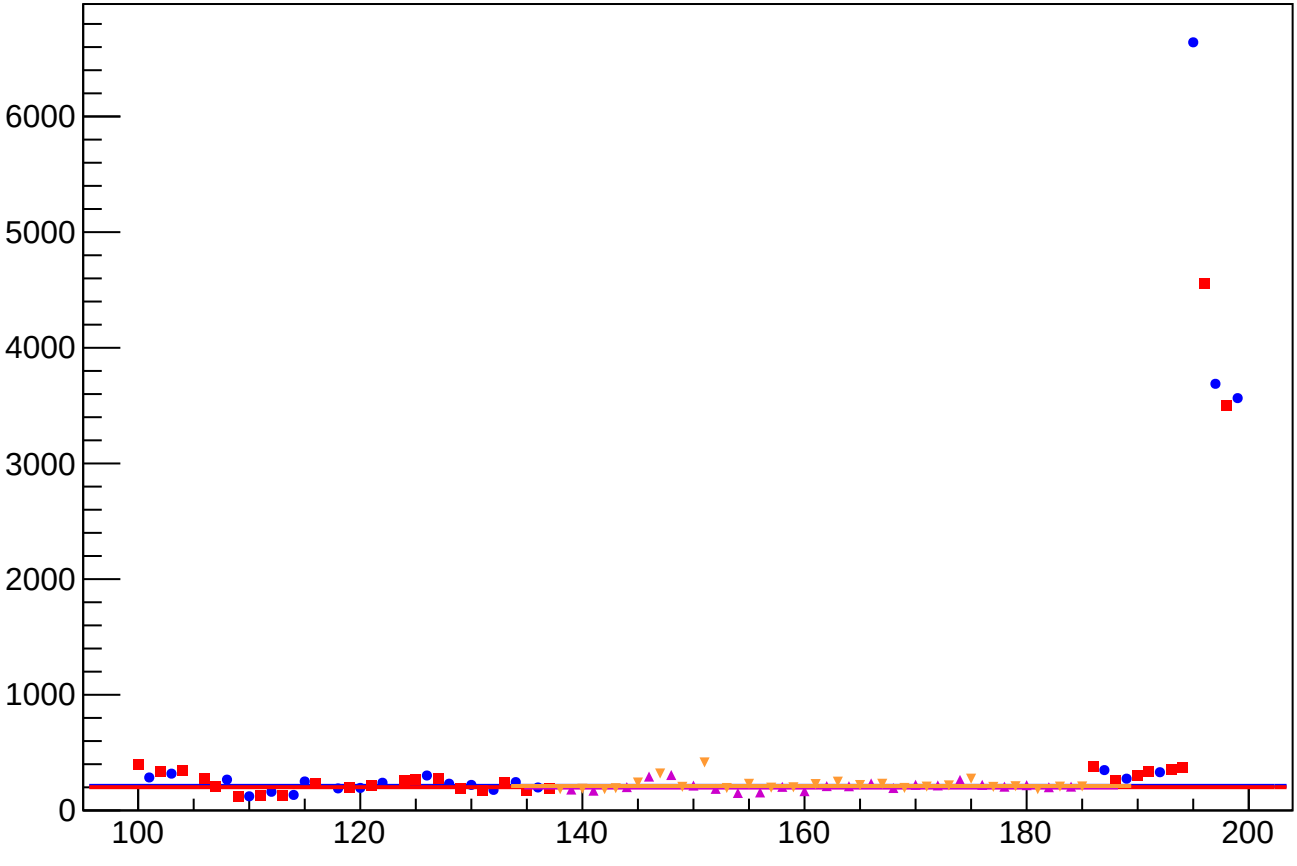
Right: -173.770+/-49.043 χ^2/NDF: 5333.6/48

In: 96.395+/-40.169 χ^2/NDF:2362.0/44

Out: 566.285+/-39.331 χ^2/NDF:6327.2/51

All: 336.292+/-28.102 χ^2/NDF: 8759.1/96

asym_bpm0l08WS_rms vs Slug, Sign Corrected



Right In: 212.612+/-0.052 χ^2/NDF: 5998872.7/21

Left Out: 211.496+/-0.035 χ^2/NDF:934978.4/24

Right Out: 201.180+/-0.046 χ^2/NDF: 5466397.6/26

Left In: 198.524+/-0.034 χ^2/NDF:1006458.6/22

Left: 204.826+/-0.024 χ^2/NDF: 2012924.3/47

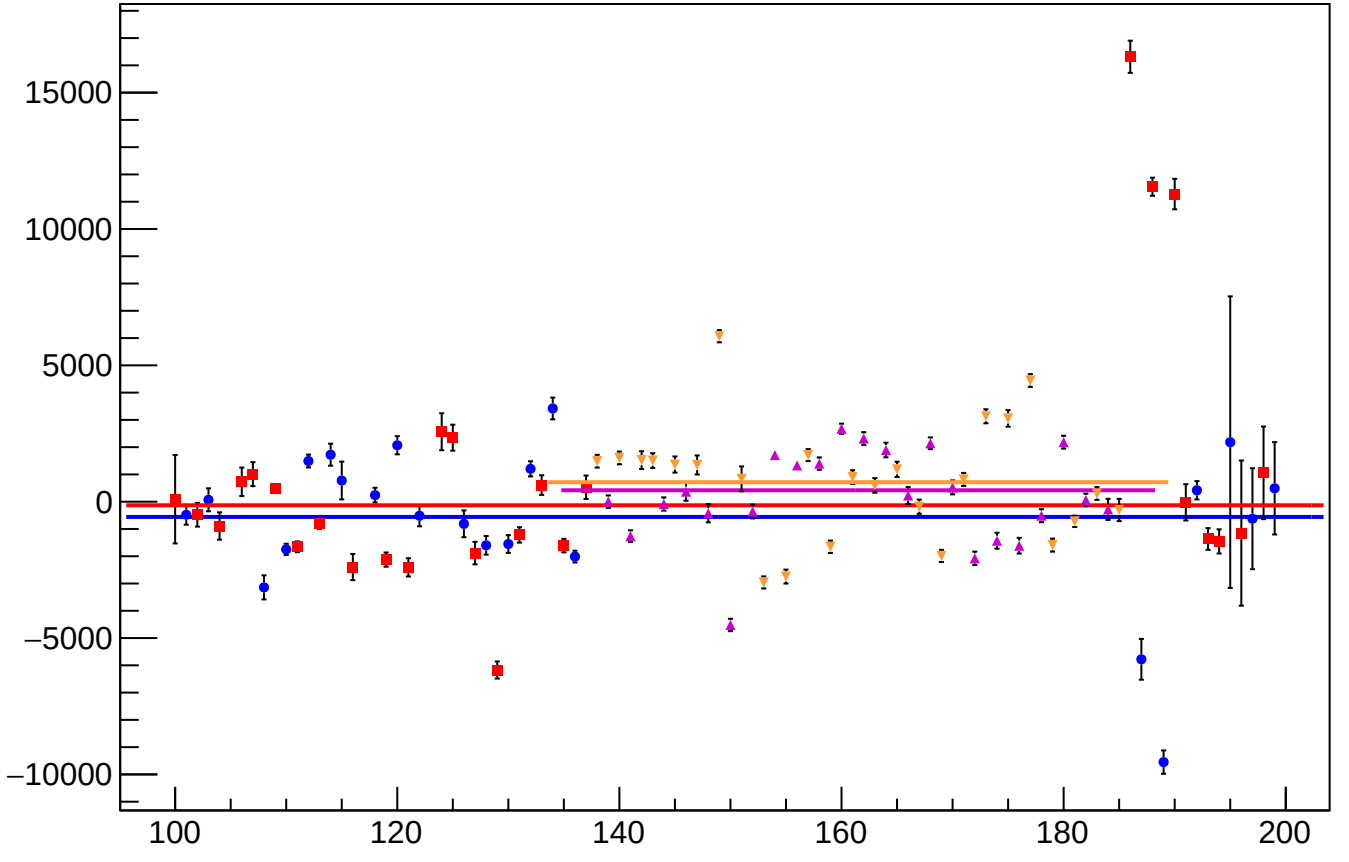
Right: 206.196+/-0.035 χ^2/NDF: 11492031.7/48

In: 202.671+/-0.028 χ^2/NDF:7056428.0/44

Out: 207.772+/-0.028 χ^2/NDF:6433111.4/51

All: 205.276+/-0.020 χ^2/NDF: 13506005.5/96

asym_bpm0l09WS_mean vs Slug, Sign Corrected



Right In: -558.384+/-75.150 χ^2/NDF: 953.7/21

Left Out: 715.643+/-51.110 χ^2/NDF:1918.0/24

Right Out: -131.043+/-67.241 χ^2/NDF: 3159.1/26

Left In: 418.574+/-49.523 χ^2/NDF:1241.0/22

Left: 562.426+/-35.566 χ^2/NDF: 3176.4/47

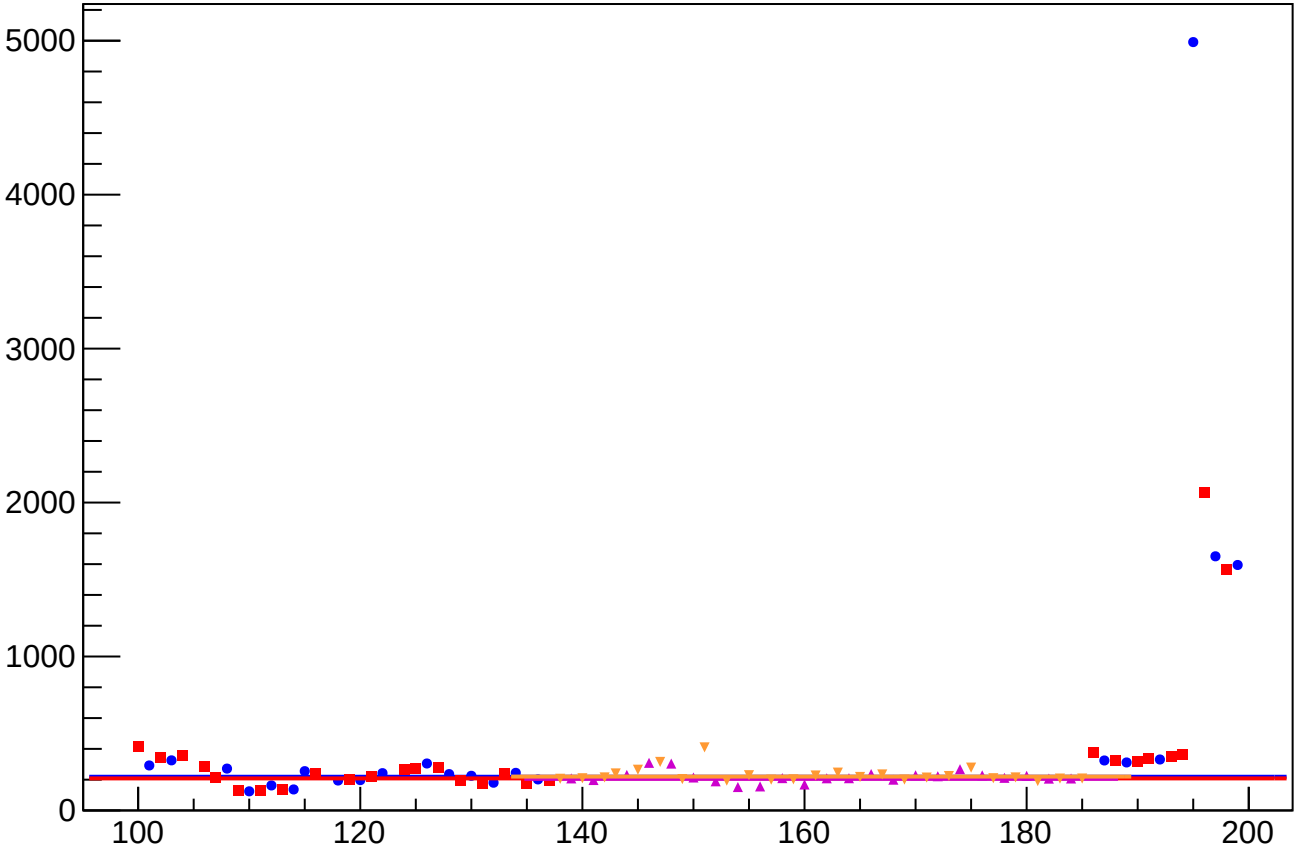
Right: -321.048+/-50.110 χ^2/NDF: 4130.7/48

In: 122.771+/-41.352 χ^2/NDF:2312.5/44

Out: 405.595+/-40.690 χ^2/NDF:5177.6/51

All: 266.466+/-29.003 χ^2/NDF: 7513.8/96

asym_bpm0l09WS_rms vs Slug, Sign Corrected



Right In: 218.864+/-0.053 χ^2/NDF: 5485878.9/21

Left Out: 220.145+/-0.036 χ^2/NDF:799699.4/24

Right Out: 208.193+/-0.048 χ^2/NDF: 4939082.2/26

Left In: 205.481+/-0.035 χ^2/NDF:1013965.4/22

Left: 212.582+/-0.025 χ^2/NDF: 1898571.5/47

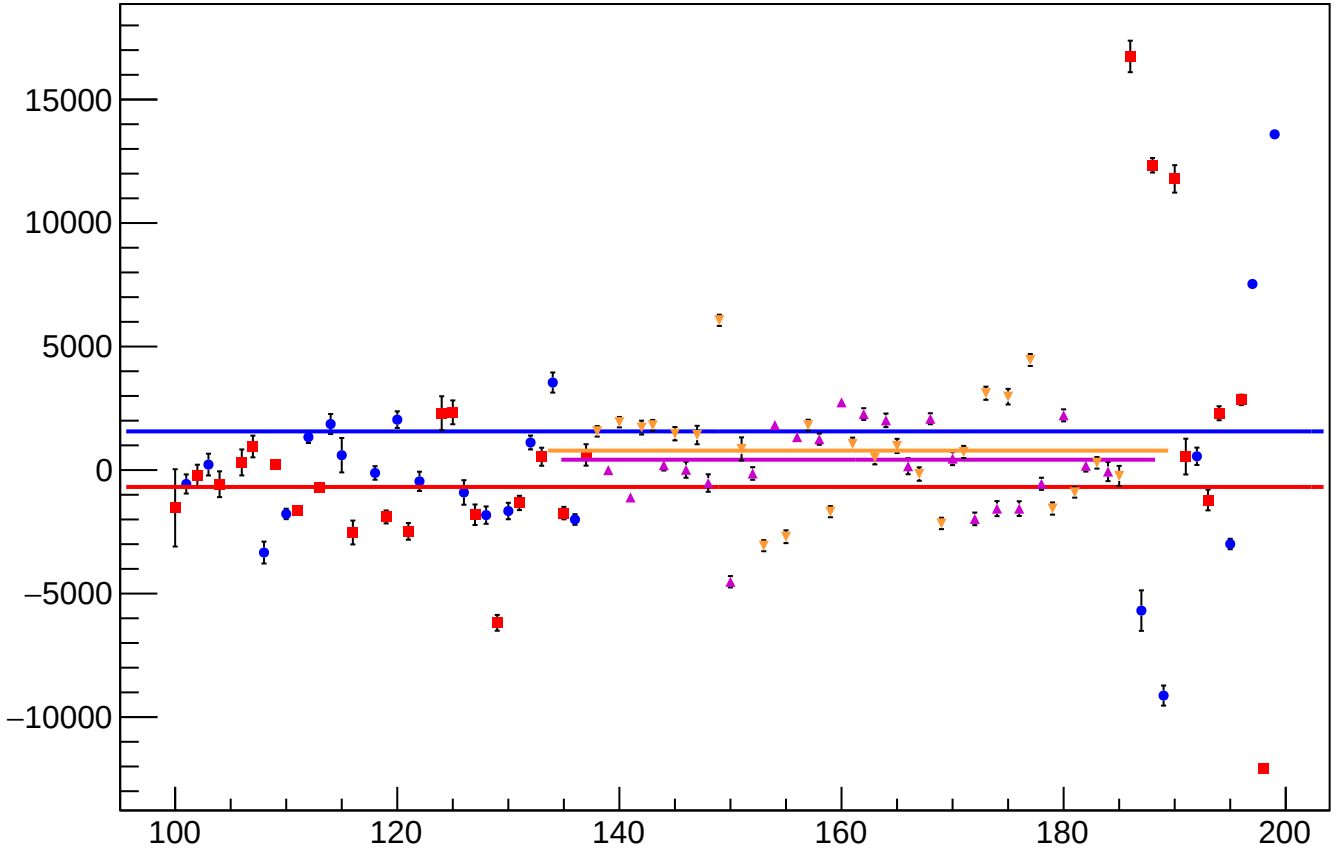
Right: 212.938+/-0.035 χ^2/NDF: 10447357.2/48

In: 209.533+/-0.029 χ^2/NDF:6544064.3/44

Out: 215.768+/-0.029 χ^2/NDF:5778831.5/51

All: 212.701+/-0.021 χ^2/NDF: 12345995.7/96

asym_bpm0l10WS_mean vs Slug, Sign Corrected



Right In: 1565.107+/-63.771 χ^2/NDF: 7024.0/21

Left Out: 786.922+/-50.524 χ^2/NDF:1937.6/24

Right Out: -684.124+/-60.928 χ^2/NDF: 7292.9/26

Left In: 418.824+/-49.152 χ^2/NDF:1211.0/22

Left: 597.806+/-35.231 χ^2/NDF: 3175.8/47

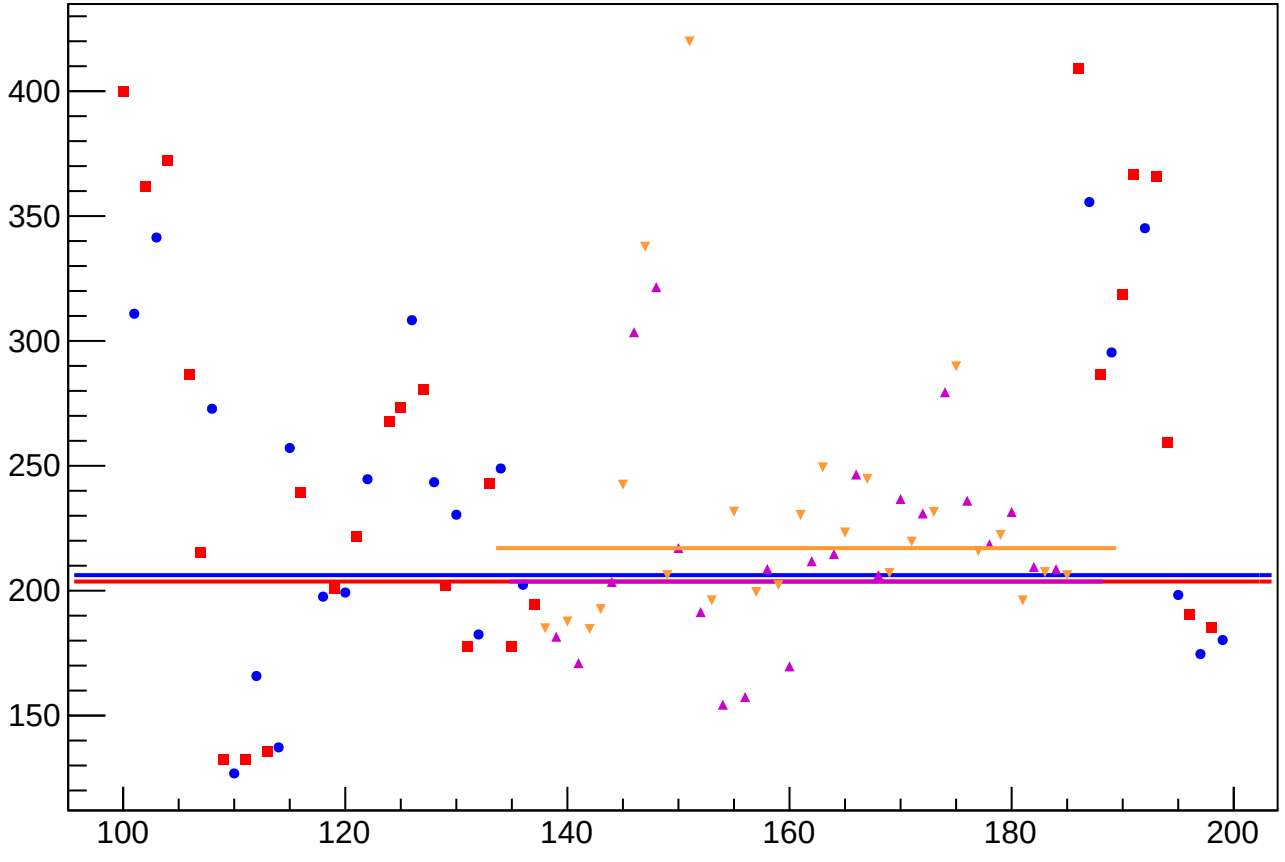
Right: 389.236+/-44.053 χ^2/NDF: 14967.2/48

In: 846.011+/-38.930 χ^2/NDF:8437.7/44

Out: 187.533+/-38.892 χ^2/NDF:9575.8/51

All: 516.447+/-27.514 χ^2/NDF: 18156.7/96

asym_bpm0l10WS_rms vs Slug, Sign Corrected



Right In: 206.226+/-0.045 χ^2/NDF: 1531087.2/21

Left Out: 217.040+/-0.036 χ^2/NDF:983170.6/24

Right Out: 203.664+/-0.043 χ^2/NDF: 2461402.1/26

Left In: 203.660+/-0.035 χ^2/NDF:1165334.8/22

Left: 210.166+/-0.025 χ^2/NDF: 2220567.5/47

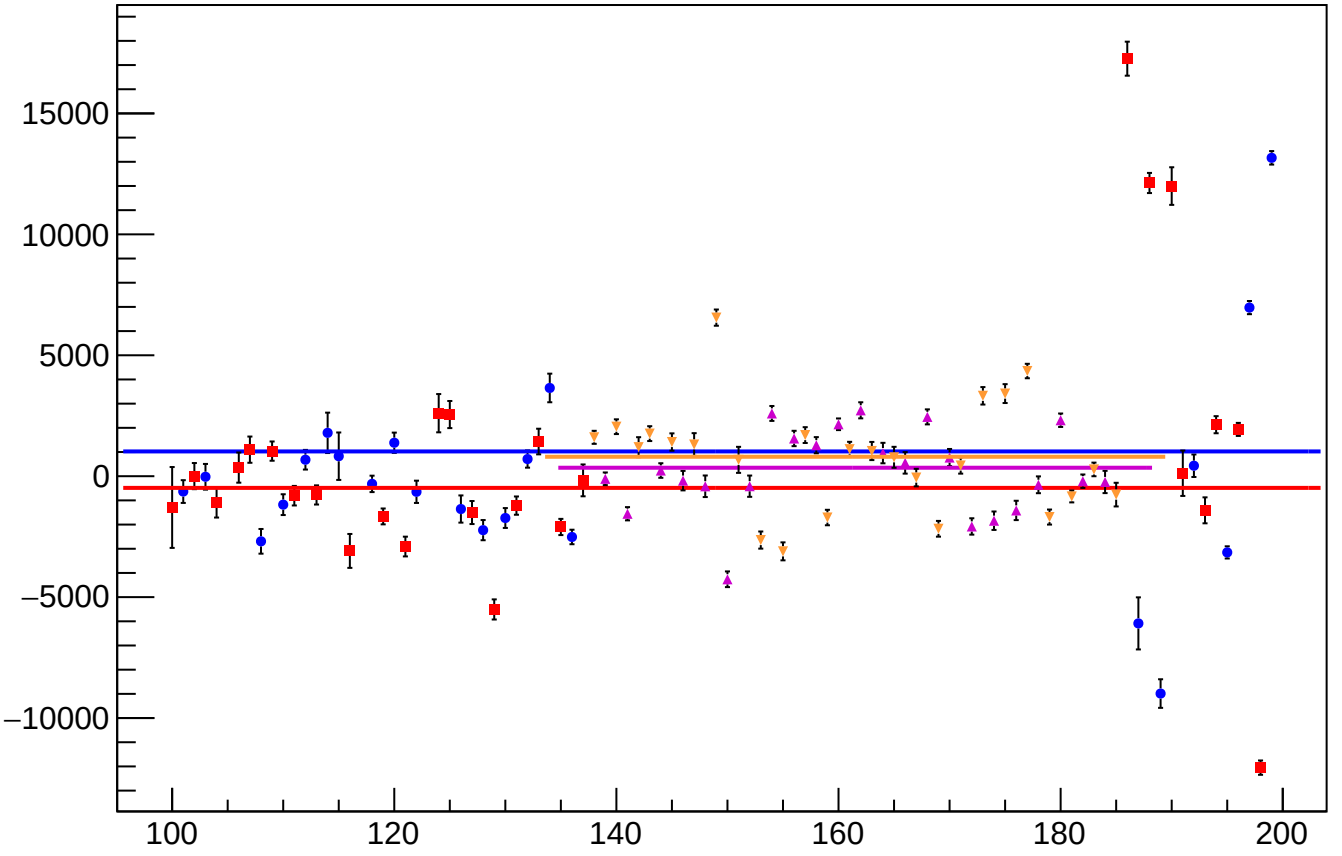
Right: 204.887+/-0.031 χ^2/NDF: 3994175.8/48

In: 204.616+/-0.028 χ^2/NDF:2698452.8/44

Out: 211.590+/-0.028 χ^2/NDF:3501686.1/51

All: 208.107+/-0.019 χ^2/NDF: 6232260.8/96

asym_bpm0r03WS_mean vs Slug, Sign Corrected



Right In: 1024.295+/-87.037 χ^2/NDF: 3386.3/21

Left Out: 803.752+/-67.693 χ^2/NDF:1057.7/24

Right Out: -483.095+/-86.854 χ^2/NDF: 3802.9/26

Left In: 350.095+/-68.985 χ^2/NDF:656.1/22

Left: 581.210+/-48.316 χ^2/NDF: 1735.8/47

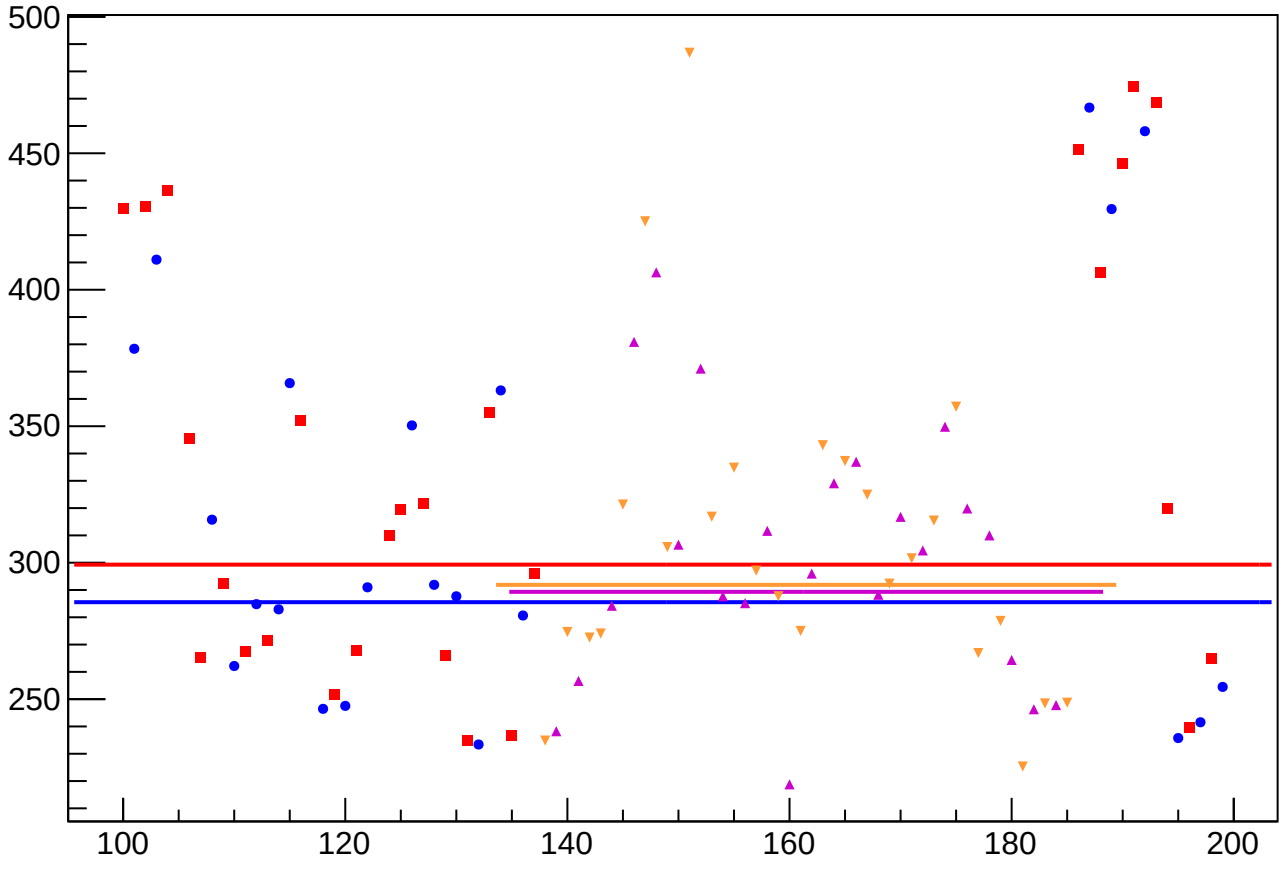
Right: 269.018+/-61.480 χ^2/NDF: 7339.4/48

In: 610.218+/-54.063 χ^2/NDF:4079.2/44

Out: 317.460+/-53.392 χ^2/NDF:4997.1/51

All: 462.012+/-37.989 χ^2/NDF: 9091.2/96

asym_bpm0r03WS_rms vs Slug, Sign Corrected



Right In: 285.533+/-0.062 χ^2/NDF: 968809.8/21

Left Out: 291.882+/-0.048 χ^2/NDF:959919.3/24

Right Out: 299.285+/-0.061 χ^2/NDF: 1206598.1/26

Left In: 289.321+/-0.049 χ^2/NDF:808605.3/22

Left: 290.626+/-0.034 χ^2/NDF: 1769929.4/47

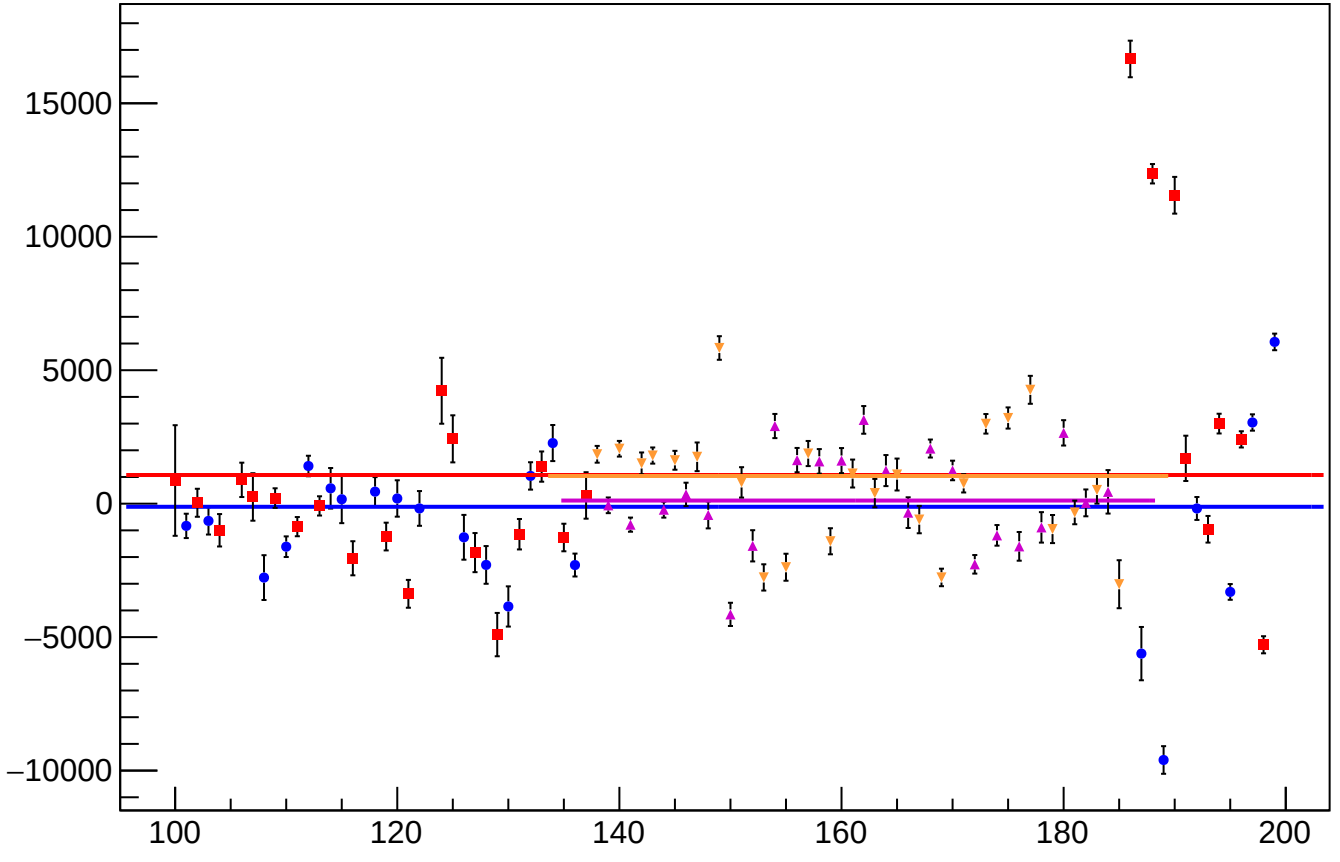
Right: 292.423+/-0.043 χ^2/NDF: 2200426.2/48

In: 287.859+/-0.038 χ^2/NDF:1779742.1/44

Out: 294.680+/-0.038 χ^2/NDF:2175555.6/51

All: 291.312+/-0.027 χ^2/NDF: 3971412.4/96

asym_bpm0r05WS_mean vs Slug, Sign Corrected



Right In: -116.753+/-103.333 χ^2/NDF: 1110.6/21

Left Out: 1037.330+/-85.200 χ^2/NDF:570.2/24

Right Out: 1073.992+/-97.768 χ^2/NDF: 2464.6/26

Left In: 117.211+/-87.461 χ^2/NDF:370.4/22

Left: 589.317+/-61.029 χ^2/NDF: 997.4/47

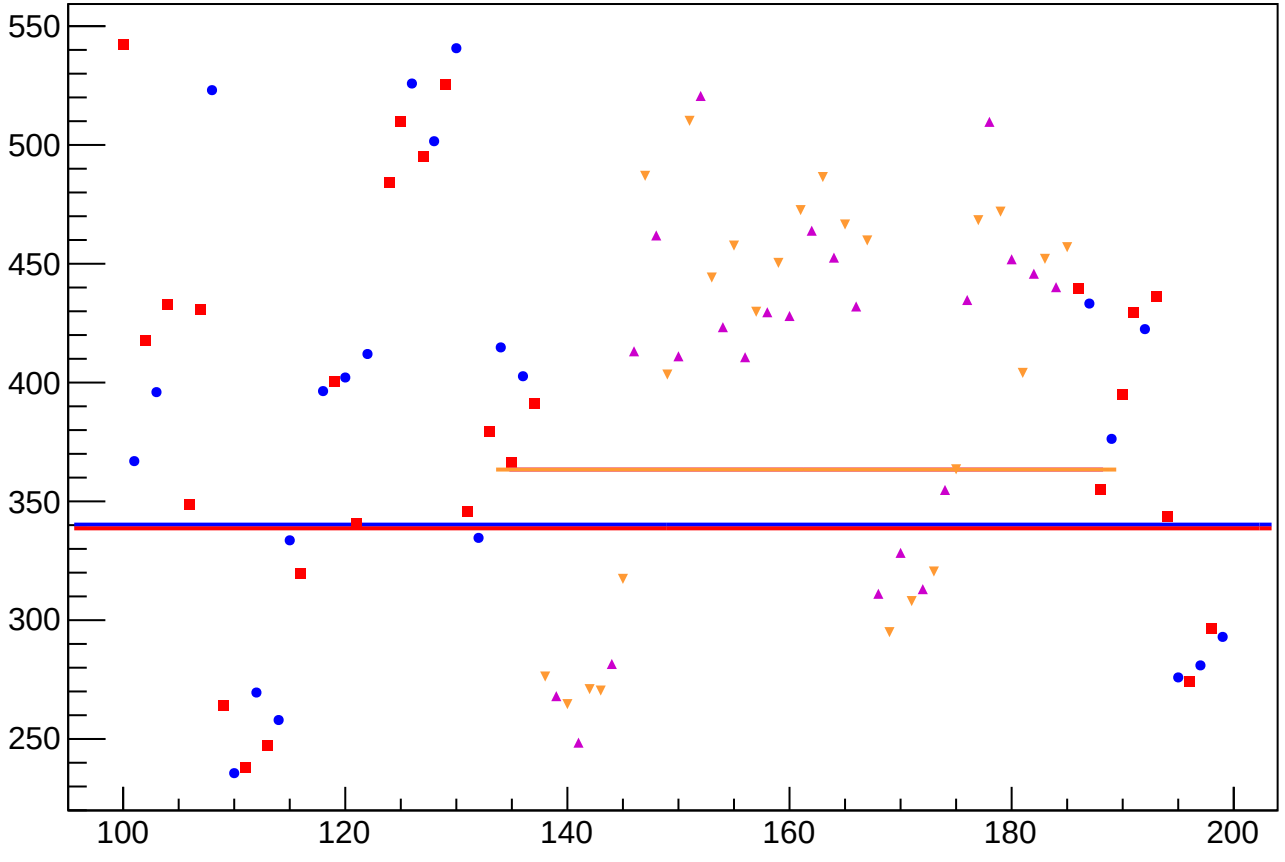
Right: 511.549+/-71.018 χ^2/NDF: 3645.3/48

In: 19.559+/-66.759 χ^2/NDF:1483.9/44

Out: 1053.155+/-64.232 χ^2/NDF:3034.9/51

All: 556.283+/-46.286 χ^2/NDF: 4643.3/96

asym_bpm0r05WS_rms vs Slug, Sign Corrected



Right In: 340.210+/-0.073 χ^2/NDF: 1152715.5/21

Left Out: 363.387+/-0.060 χ^2/NDF:1940497.4/24

Right Out: 338.644+/-0.069 χ^2/NDF: 1141719.2/26

Left In: 363.386+/-0.062 χ^2/NDF:1711599.2/22

Left: 363.387+/-0.043 χ^2/NDF: 3652096.5/47

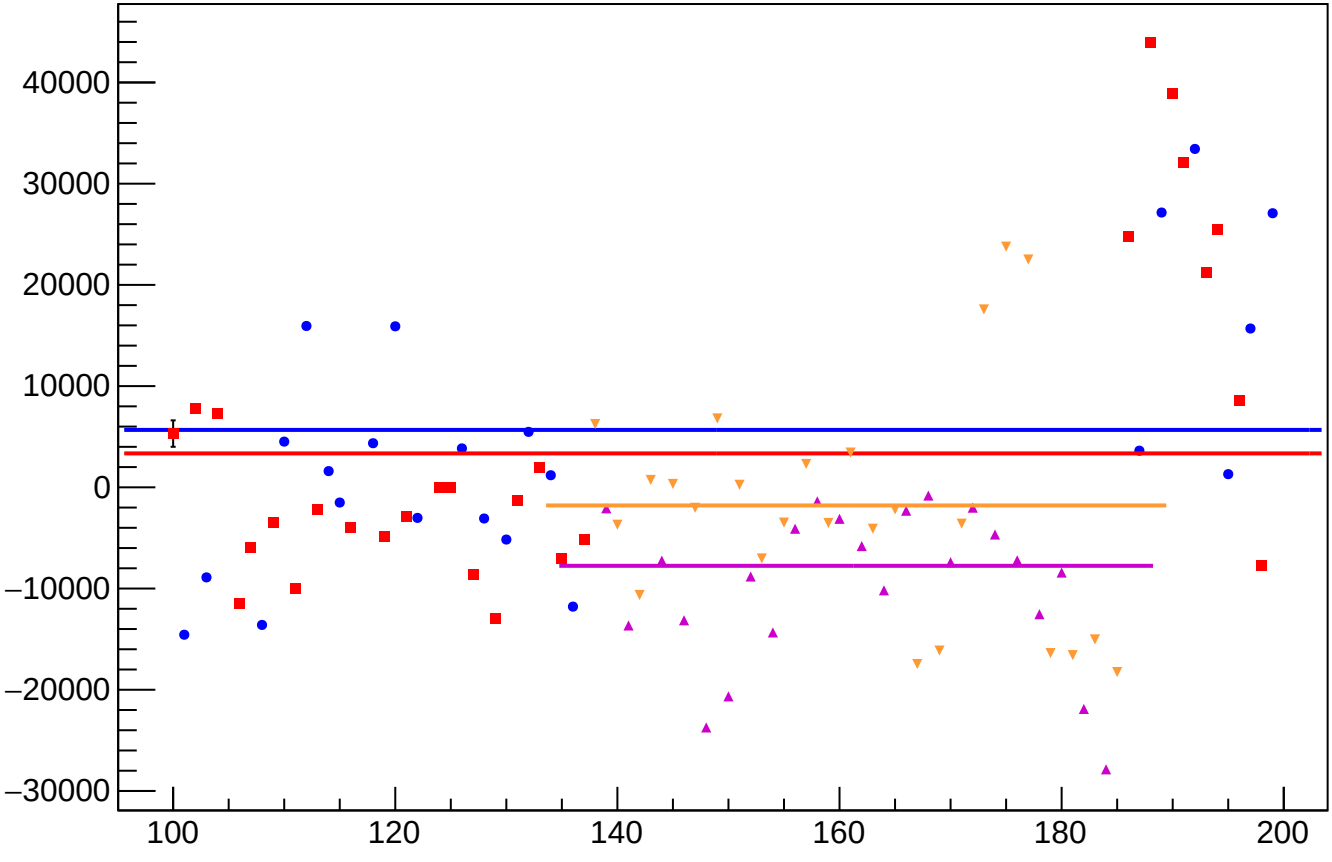
Right: 339.384+/-0.050 χ^2/NDF: 2294677.2/48

In: 353.713+/-0.047 χ^2/NDF:2922930.4/44

Out: 352.707+/-0.045 χ^2/NDF:3155025.0/51

All: 353.191+/-0.033 χ^2/NDF: 6078191.3/96

asym_bpm0i02WS_mean vs Slug, Sign Corrected



Right In: 5672.826+/-45.683 χ^2/NDF: 88161.5/21

Left Out: -1790.289+/-40.910 χ^2/NDF:65745.9/24

Right Out: 3350.445+/-43.214 χ^2/NDF: 132392.9/26

Left In: -7754.468+/-42.571 χ^2/NDF:23278.0/22

Left: -4653.749+/-29.498 χ^2/NDF: 99228.2/47

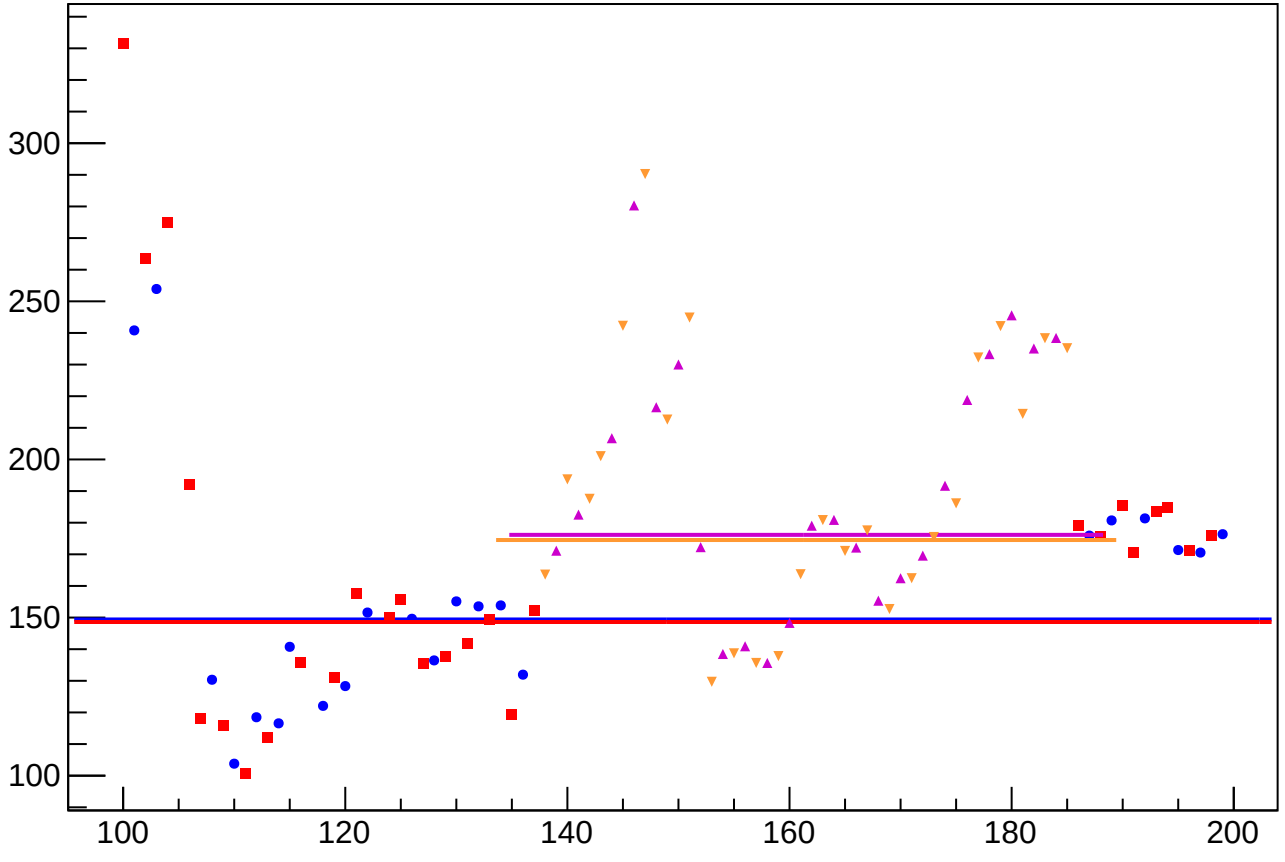
Right: 4447.180+/-31.393 χ^2/NDF: 221918.3/48

In: -1513.670+/-31.144 χ^2/NDF:157677.4/44

Out: 639.403+/-29.709 χ^2/NDF:205601.8/51

All: -386.369+/-21.497 χ^2/NDF: 365781.6/96

asym_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 149.398+/-0.032 χ^2/NDF: 931644.4/21

Left Out: 174.520+/-0.029 χ^2/NDF:1659469.6/24

Right Out: 148.601+/-0.031 χ^2/NDF: 1320529.1/26

Left In: 176.155+/-0.030 χ^2/NDF:1367059.2/22

Left: 175.305+/-0.021 χ^2/NDF: 3028060.8/47

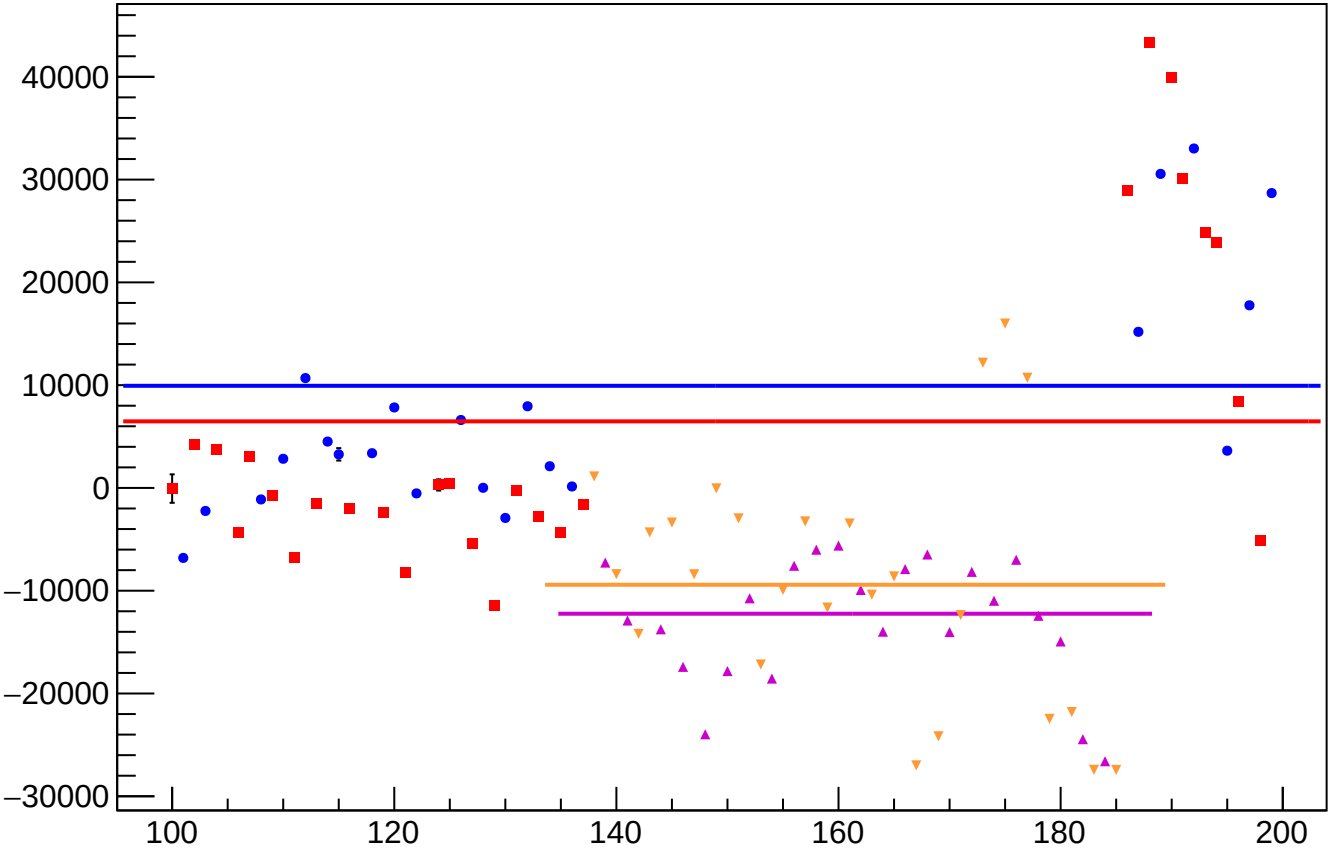
Right: 148.977+/-0.022 χ^2/NDF: 2252494.6/48

In: 163.718+/-0.022 χ^2/NDF:2665922.6/44

Out: 162.270+/-0.021 χ^2/NDF:3359452.9/51

All: 162.960+/-0.015 χ^2/NDF: 6027640.3/96

asym_bpm0i02aWS_mean vs Slug, Sign Corrected



Right In: 9936.995+/-53.730 χ^2/NDF: 48089.5/21

Left Out: -9420.181+/-45.698 χ^2/NDF:64719.0/24

Right Out: 6477.338+/-50.329 χ^2/NDF: 102141.8/26

Left In: -12238.678+/-44.195 χ^2/NDF:16015.8/22

Left: -10876.538+/-31.769 χ^2/NDF: 82700.4/47

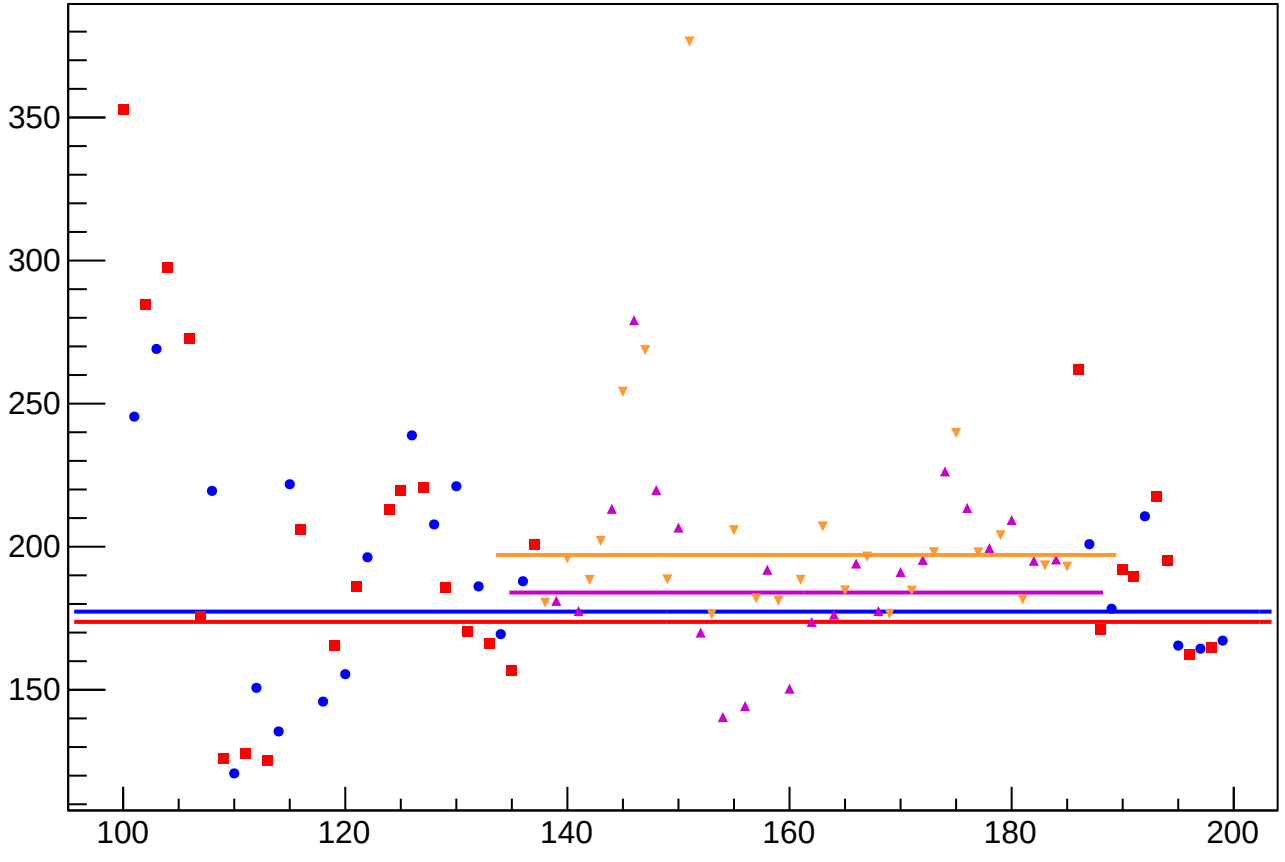
Right: 8094.209+/-36.732 χ^2/NDF: 152439.7/48

In: -3289.841+/-34.132 χ^2/NDF:165706.0/44

Out: -2236.331+/-33.832 χ^2/NDF:221549.0/51

All: -2758.440+/-24.028 χ^2/NDF: 387735.6/9

asym_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 177.321+/-0.038 χ^2/NDF: 754745.1/21

Left Out: 197.122+/-0.032 χ^2/NDF:732529.8/24

Right Out: 173.735+/-0.036 χ^2/NDF: 1192524.8/26

Left In: 183.985+/-0.031 χ^2/NDF:829778.1/22

Left: 190.334+/-0.022 χ^2/NDF: 1647711.2/47

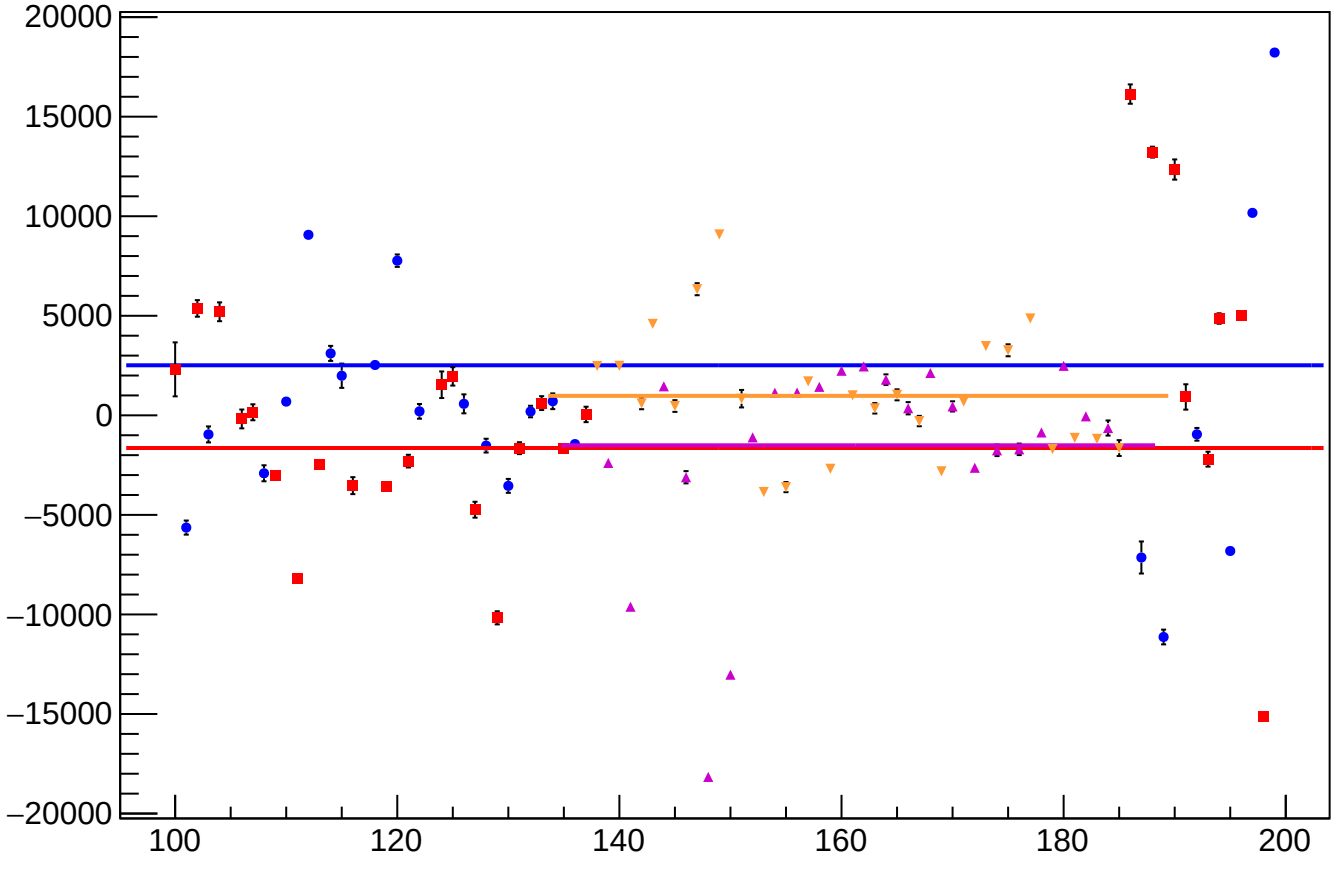
Right: 175.411+/-0.026 χ^2/NDF: 1952016.6/48

In: 181.296+/-0.024 χ^2/NDF:1602874.3/44

Out: 186.554+/-0.024 χ^2/NDF:2161776.1/51

All: 183.948+/-0.017 χ^2/NDF: 3788587.6/96

asym_bpm0i05WS_mean vs Slug, Sign Corrected



Right In: 2513.668+/-60.682 χ^2/NDF: 14941.9/21

Left Out: 978.429+/-49.607 χ^2/NDF:4322.9/24

Right Out: -1640.511+/-57.121 χ^2/NDF: 14242.7/26

Left In: -1505.093+/-48.051 χ^2/NDF:11480.6/22

Left: -302.894+/-34.514 χ^2/NDF: 17096.7/47

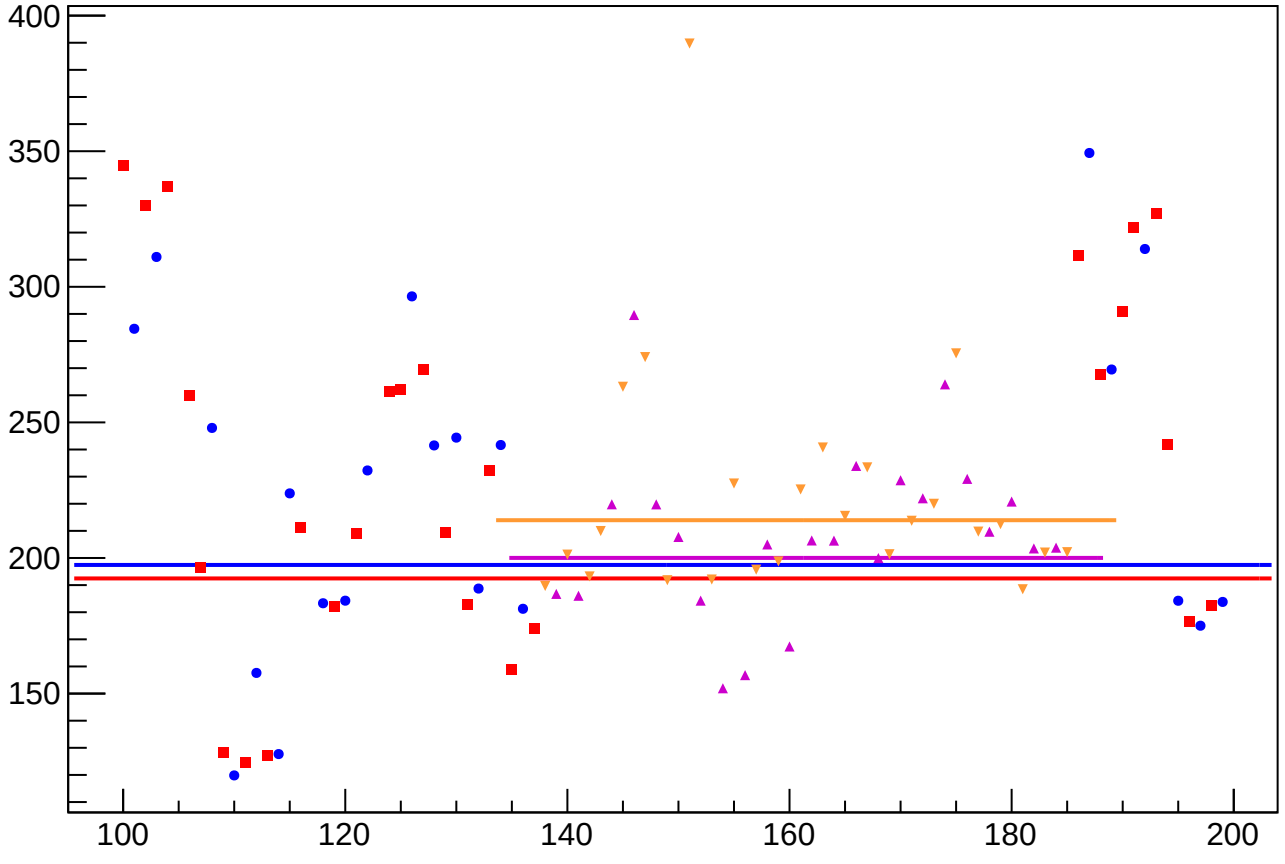
Right: 311.107+/-41.592 χ^2/NDF: 31669.4/48

In: 43.655+/-37.671 χ^2/NDF:29118.2/44

Out: -147.573+/-37.454 χ^2/NDF:19764.0/51

All: -52.510+/-26.560 χ^2/NDF: 48895.1/96

asym_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 197.434+/-0.043 χ^2/NDF: 1429382.0/21

Left Out: 213.931+/-0.035 χ^2/NDF:733638.6/24

Right Out: 192.459+/-0.040 χ^2/NDF: 2232948.7/26

Left In: 200.031+/-0.034 χ^2/NDF:785525.4/22

Left: 206.759+/-0.024 χ^2/NDF: 1600185.7/47

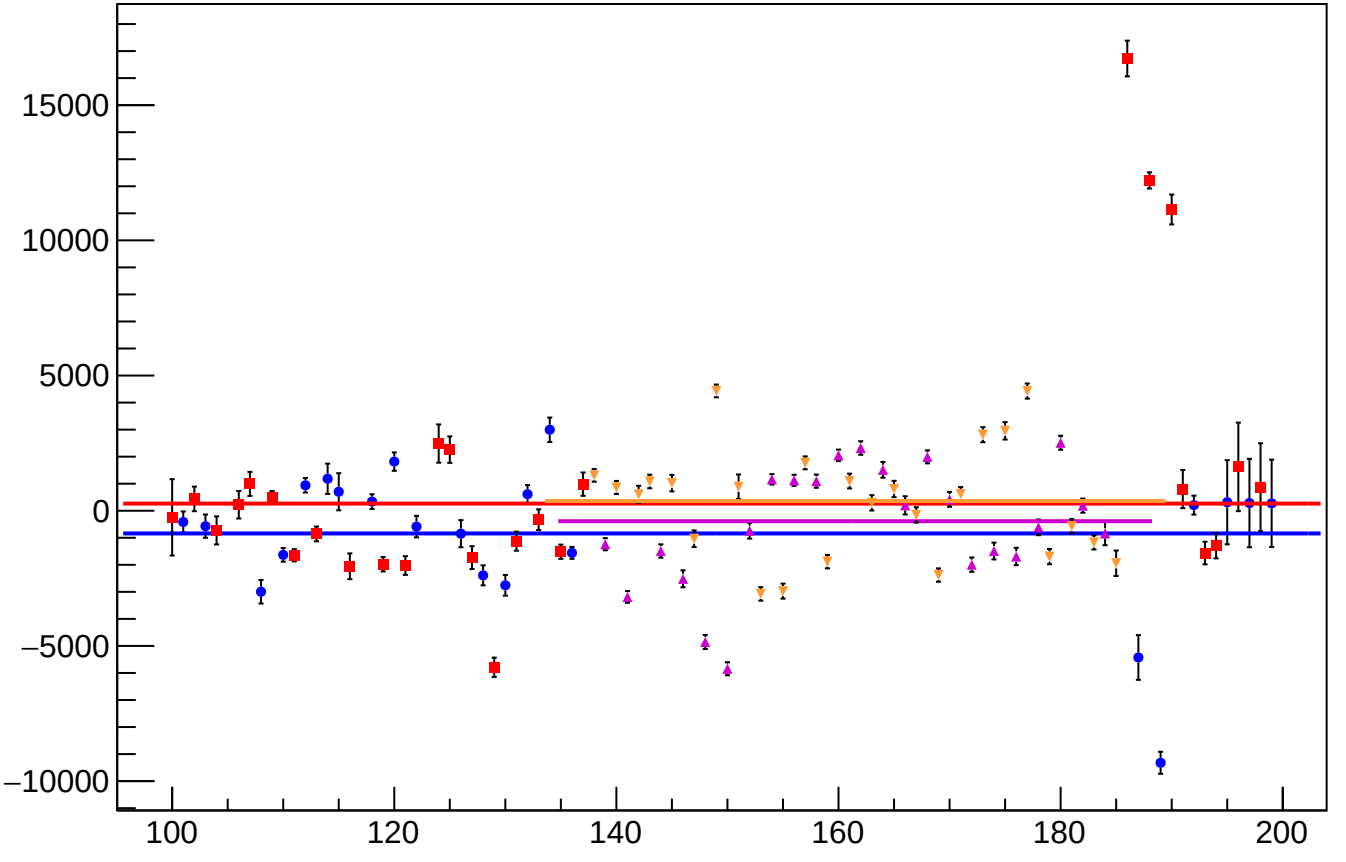
Right: 194.797+/-0.029 χ^2/NDF: 3669457.3/48

In: 199.030+/-0.027 χ^2/NDF:2217158.0/44

Out: 204.699+/-0.026 χ^2/NDF:3127686.7/51

All: 201.881+/-0.019 χ^2/NDF: 5367626.2/96

asym_bpm0i07WS_mean vs Slug, Sign Corrected



Right In: -839.901+/-81.677 χ^2/NDF: 797.8/21

Left Out: 358.680+/-54.992 χ^2/NDF:1418.9/24

Right Out: 264.489+/-74.026 χ^2/NDF: 3268.9/26

Left In: -386.941+/-53.528 χ^2/NDF:1804.2/22

Left: -24.183+/-38.357 χ^2/NDF: 3317.4/47

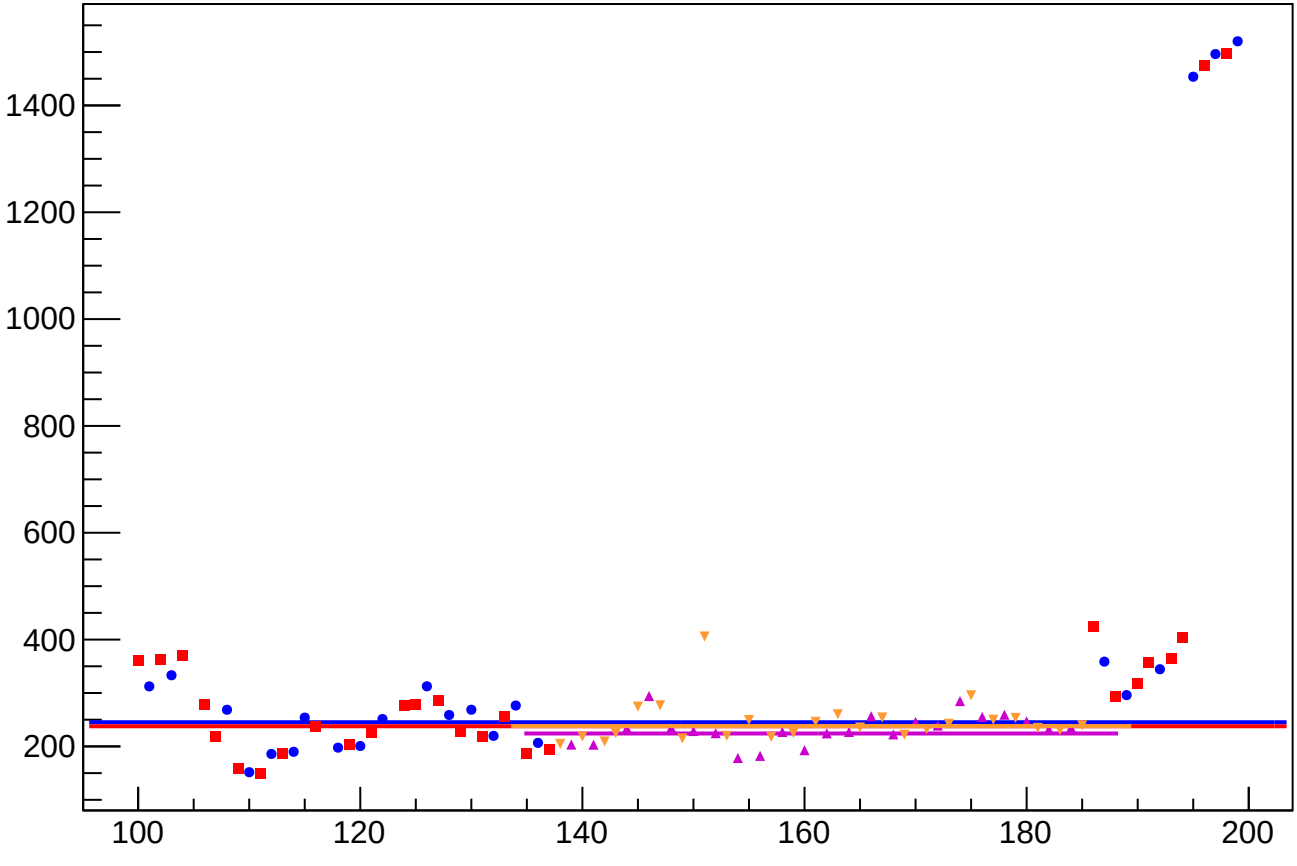
Right: -233.567+/-54.850 χ^2/NDF: 4167.0/48

In: -523.035+/-44.770 χ^2/NDF:2623.4/44

Out: 325.185+/-44.144 χ^2/NDF:4688.8/51

All: -92.949+/-31.434 χ^2/NDF: 7494.2/96

asym_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 245.252+/-0.058 χ^2/NDF: 4617849.8/21

Left Out: 238.199+/-0.039 χ^2/NDF:567935.3/24

Right Out: 237.719+/-0.052 χ^2/NDF: 4253490.7/26

Left In: 224.212+/-0.038 χ^2/NDF:563231.1/22

Left: 231.017+/-0.027 χ^2/NDF: 1197606.4/47

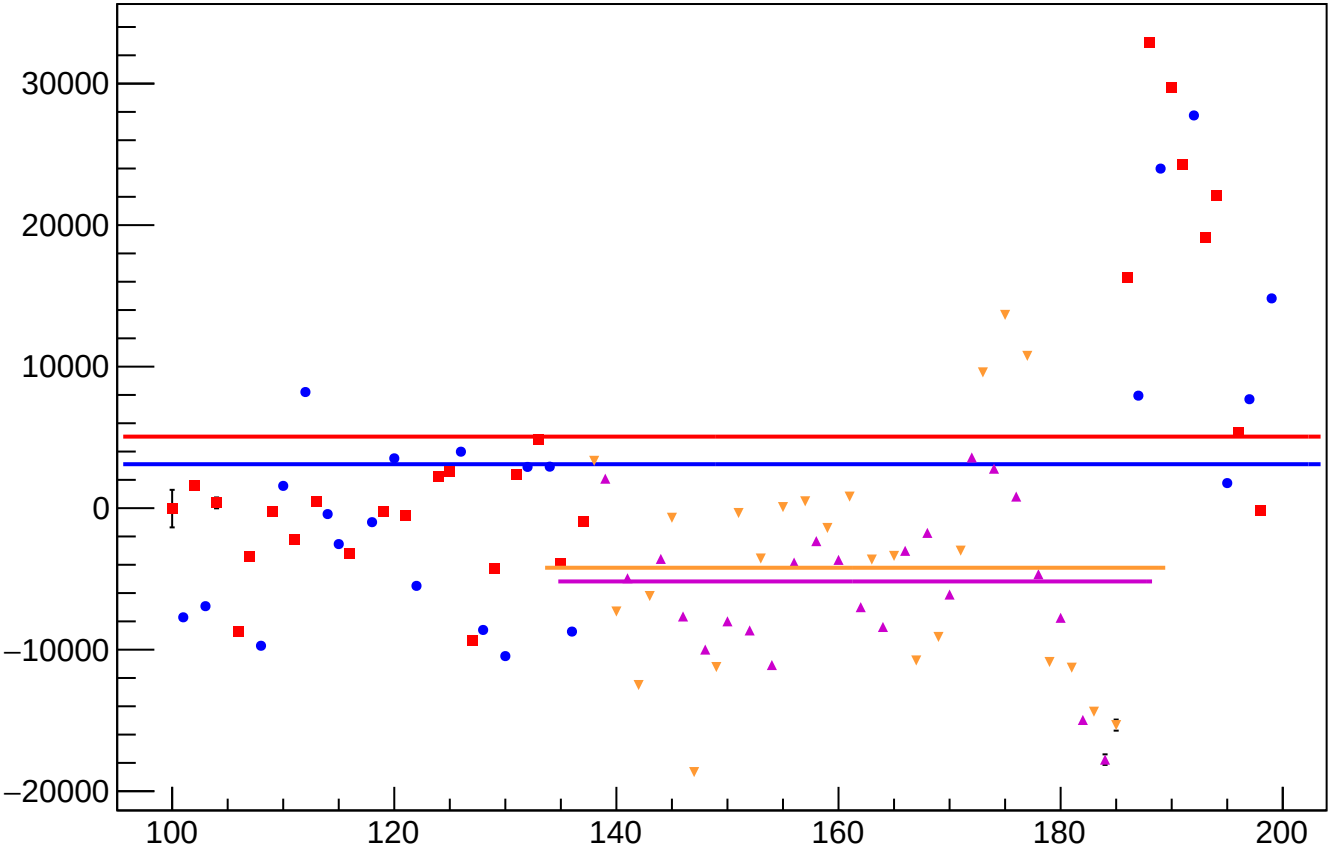
Right: 241.116+/-0.039 χ^2/NDF: 8880682.6/48

In: 230.534+/-0.032 χ^2/NDF:5273923.5/44

Out: 238.028+/-0.031 χ^2/NDF:4821480.4/51

All: 234.334+/-0.022 χ^2/NDF: 10123822.4/96

asym_bpm1i02WS_mean vs Slug, Sign Corrected



Right In: 3106.169+/-38.783 χ^2/NDF: 75615.6/21

Left Out: -4210.601+/-30.828 χ^2/NDF:56802.7/24

Right Out: 5055.616+/-36.445 χ^2/NDF: 102274.1/26

Left In: -5178.213+/-31.969 χ^2/NDF:18541.3/22

Left: -4676.831+/-22.191 χ^2/NDF: 75818.6/47

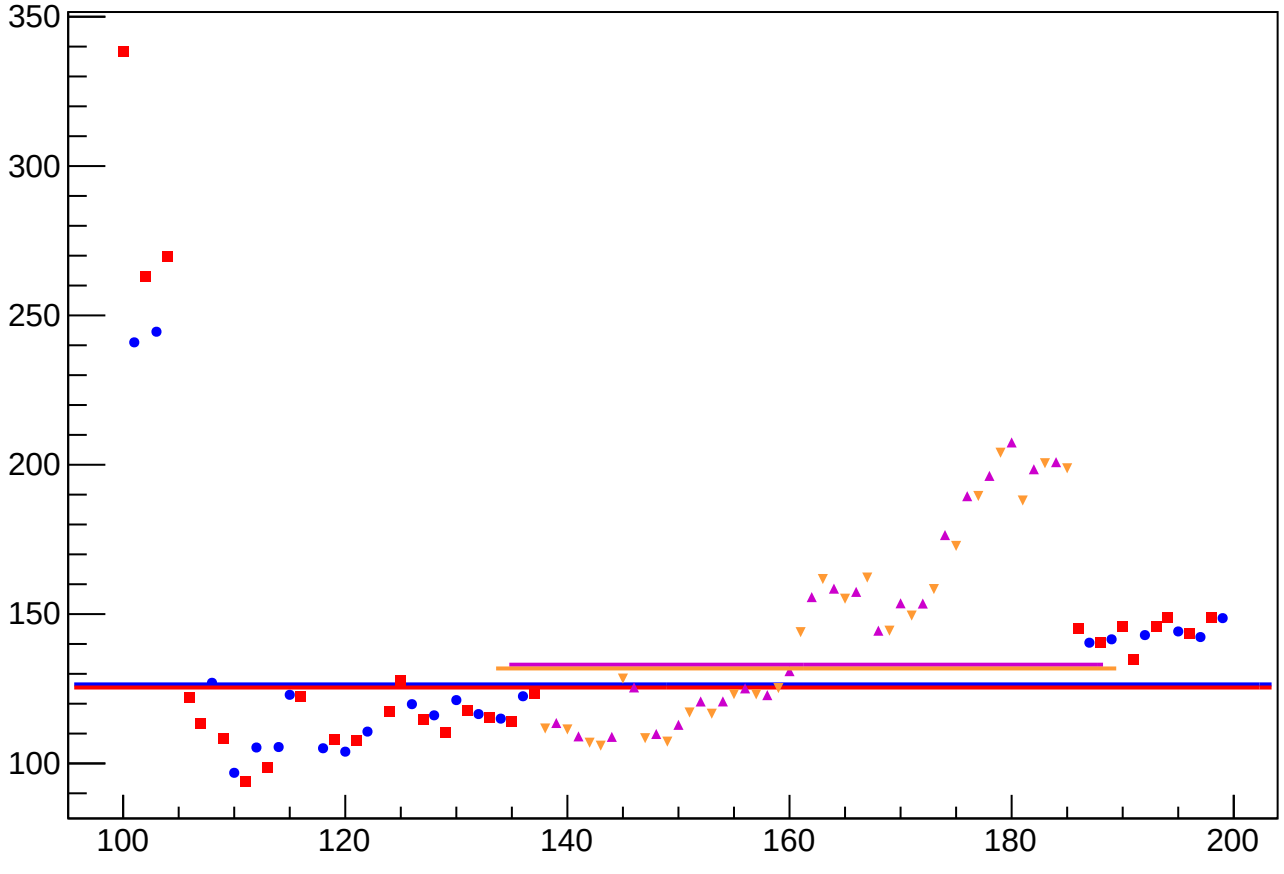
Right: 4141.437+/-26.559 χ^2/NDF: 179231.4/48

In: -1826.555+/-24.669 χ^2/NDF:121324.6/44

Out: -345.766+/-23.537 χ^2/NDF:196758.9/51

All: -1051.414+/-17.029 χ^2/NDF: 319969.6/9

asym_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 126.463+/-0.027 χ^2/NDF: 919149.8/21

Left Out: 131.798+/-0.022 χ^2/NDF:1544340.3/24

Right Out: 125.421+/-0.026 χ^2/NDF: 1154871.7/26

Left In: 133.061+/-0.023 χ^2/NDF:1418252.2/22

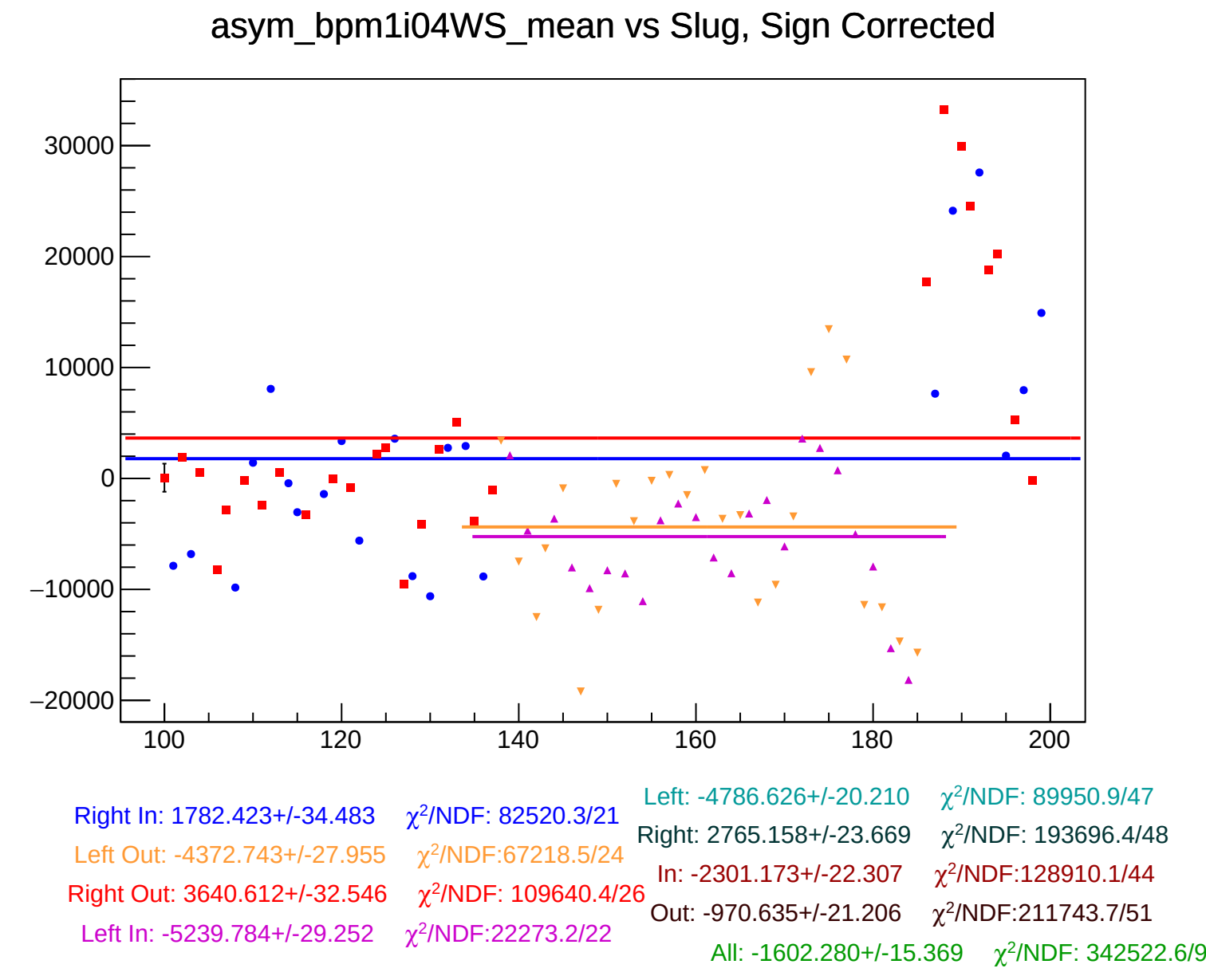
Left: 132.406+/-0.016 χ^2/NDF: 2964211.9/47

Right: 125.909+/-0.019 χ^2/NDF: 2074788.1/48

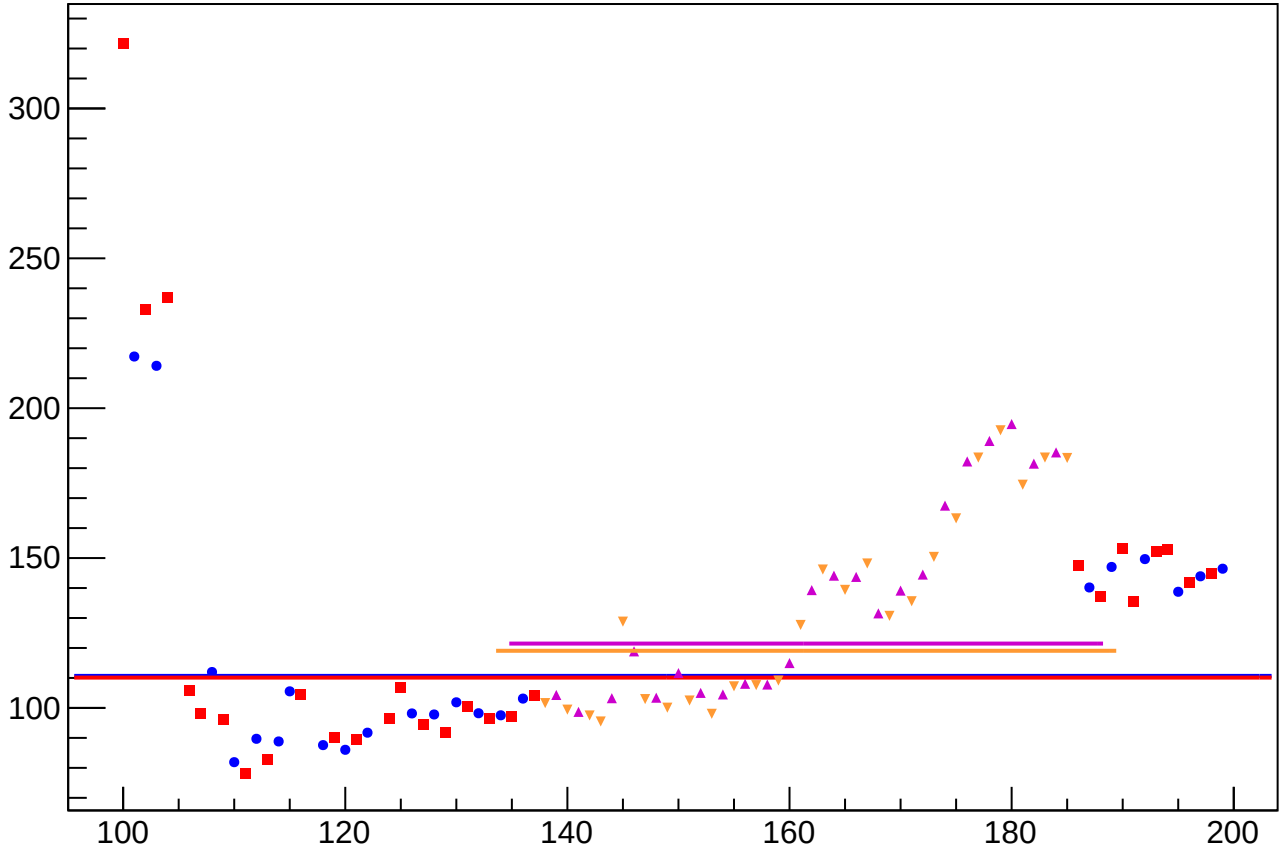
In: 130.392+/-0.017 χ^2/NDF:2371872.3/44

Out: 129.138+/-0.017 χ^2/NDF:2734902.3/51

All: 129.735+/-0.012 χ^2/NDF: 5109479.1/96


asym_bpm1i04WS_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
120
140
160
180
200
Right In: 1782.423+/-34.483 χ²/NDF: 82520.3/21
Left Out: -4372.743+/-27.955 χ²/NDF:67218.5/24
Right Out: 3640.612+/-32.546 χ²/NDF: 109640.4/26
Left In: -5239.784+/-29.252 χ²/NDF:22273.2/22
Left: -4786.626+/-20.210 χ²/NDF: 89950.9/47
Right: 2765.158+/-23.669 χ²/NDF: 193696.4/48
In: -2301.173+/-22.307 χ²/NDF:128910.1/44
Out: -970.635+/-21.206 χ²/NDF:211743.7/51
All: -1602.280+/-15.369 χ²/NDF: 342522.6/9

asym_bpm1i04WS_rms vs Slug, Sign Corrected



Right In: 110.686+/-0.024 χ^2/NDF: 1439371.6/21

Left Out: 119.064+/-0.020 χ^2/NDF:1755428.3/24

Right Out: 110.117+/-0.023 χ^2/NDF: 1787052.0/26

Left In: 121.468+/-0.021 χ^2/NDF:1529379.8/22

Left: 120.212+/-0.014 χ^2/NDF: 3291866.1/47

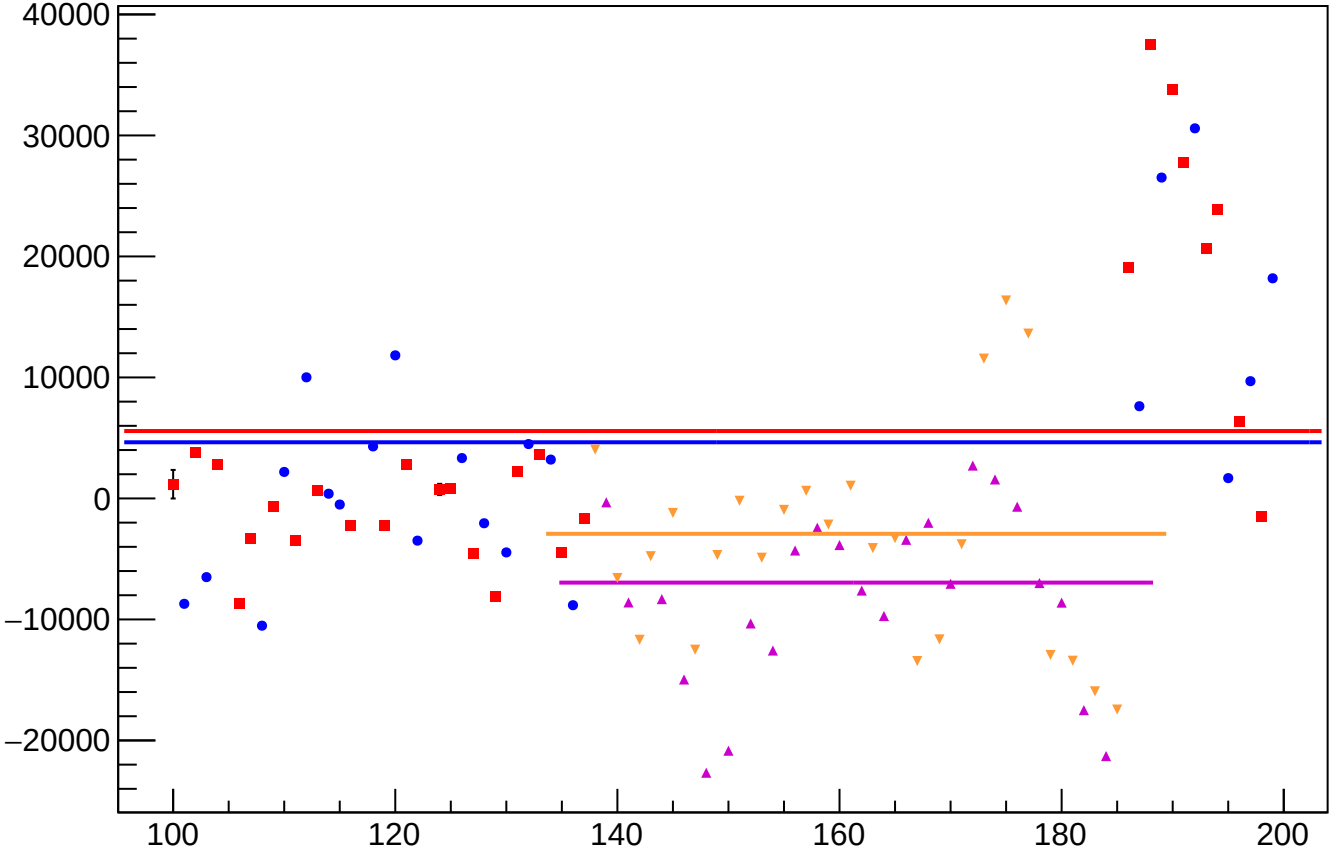
Right: 110.385+/-0.017 χ^2/NDF: 3226711.0/48

In: 116.956+/-0.016 χ^2/NDF:3082460.3/44

Out: 115.266+/-0.015 χ^2/NDF:3629450.2/51

All: 116.068+/-0.011 χ^2/NDF: 6717940.9/96

asym_bpm1i06WS_mean vs Slug, Sign Corrected



Right In: 4640.829+/-45.388 χ^2/NDF: 60368.6/21

Left Out: -2923.060+/-38.185 χ^2/NDF:38052.4/24

Right Out: 5570.513+/-42.933 χ^2/NDF: 91673.9/26

Left In: -6956.884+/-40.245 χ^2/NDF:22339.0/22

Left: -4834.088+/-27.700 χ^2/NDF: 65678.3/47

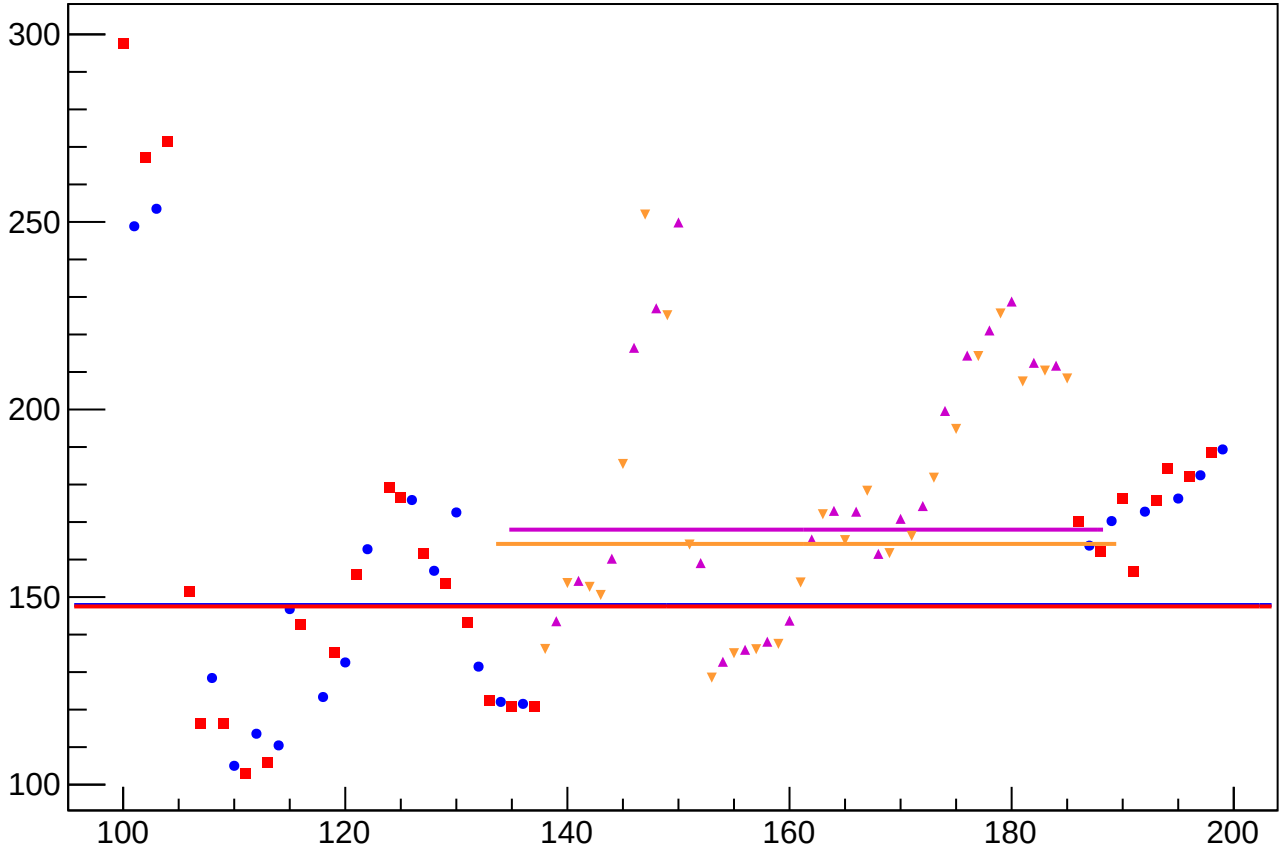
Right: 5131.493+/-31.190 χ^2/NDF: 152263.9/48

In: -1852.045+/-30.112 χ^2/NDF:119261.2/44

Out: 828.273+/-28.532 χ^2/NDF:151578.4/51

All: -439.728+/-20.711 χ^2/NDF: 275014.3/96

asym_bpm1i06WS_rms vs Slug, Sign Corrected



Right In: 147.877+/-0.032 χ^2/NDF: 1142069.2/21

Left Out: 164.172+/-0.027 χ^2/NDF:1224405.6/24

Right Out: 147.504+/-0.030 χ^2/NDF: 1344807.5/26

Left In: 167.975+/-0.028 χ^2/NDF:1222745.4/22

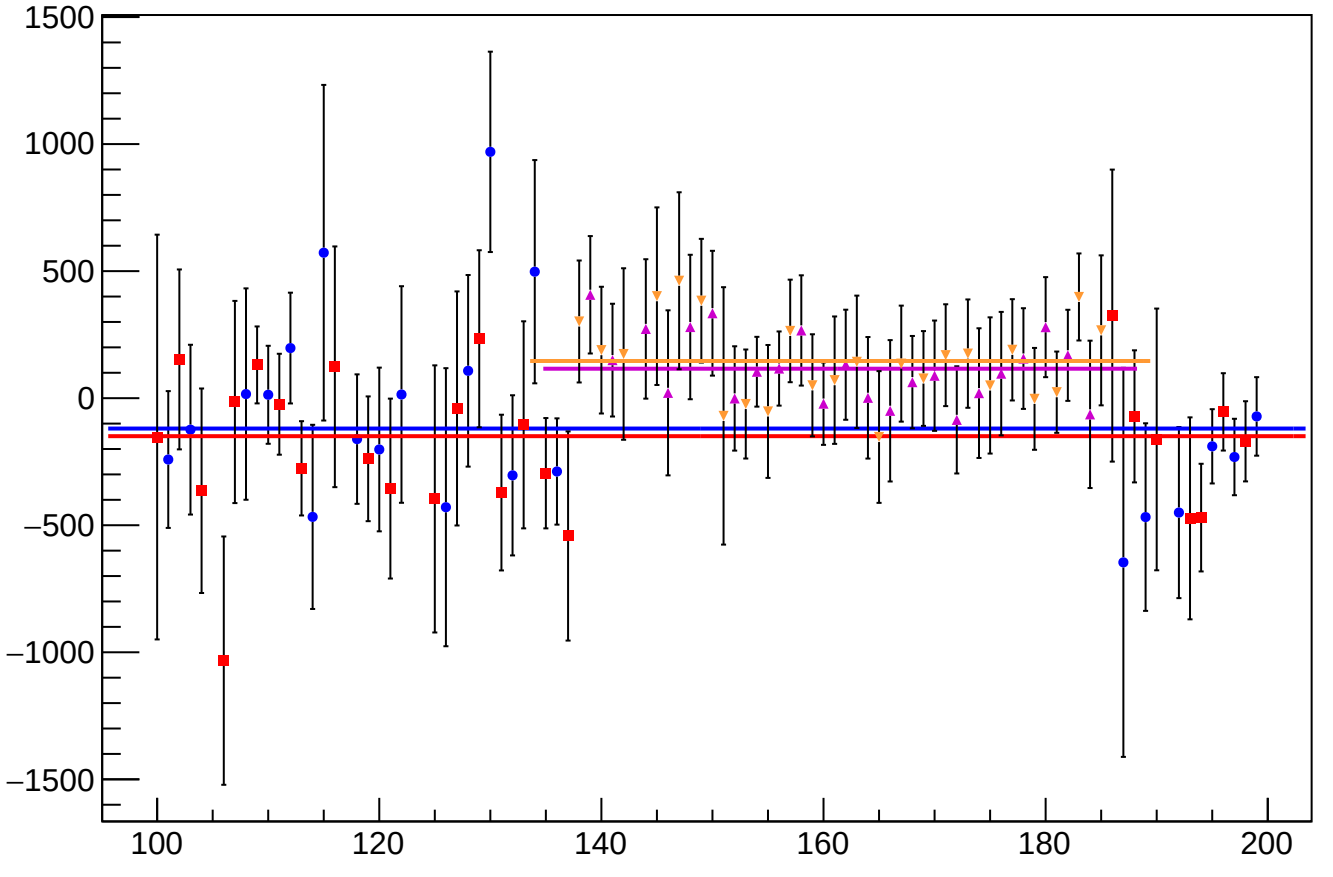
Left: 165.974+/-0.020 χ^2/NDF: 2456548.5/47

Right: 147.680+/-0.022 χ^2/NDF: 2486948.2/48

In: 159.129+/-0.021 χ^2/NDF:2584357.8/44

Out: 156.810+/-0.020 χ^2/NDF:2737535.4/51

All: 157.907+/-0.015 χ^2/NDF: 5328140.6/96



Right In: -119.500+/-55.674 χ^2/NDF: 19.6/21

Left Out: 146.352+/-46.929 χ^2/NDF:10.0/23

Right Out: -149.507+/-53.668 χ^2/NDF: 17.0/24

Left In: 115.974+/-43.605 χ^2/NDF:7.6/22

Left: 130.049+/-31.944 χ^2/NDF: 17.8/46

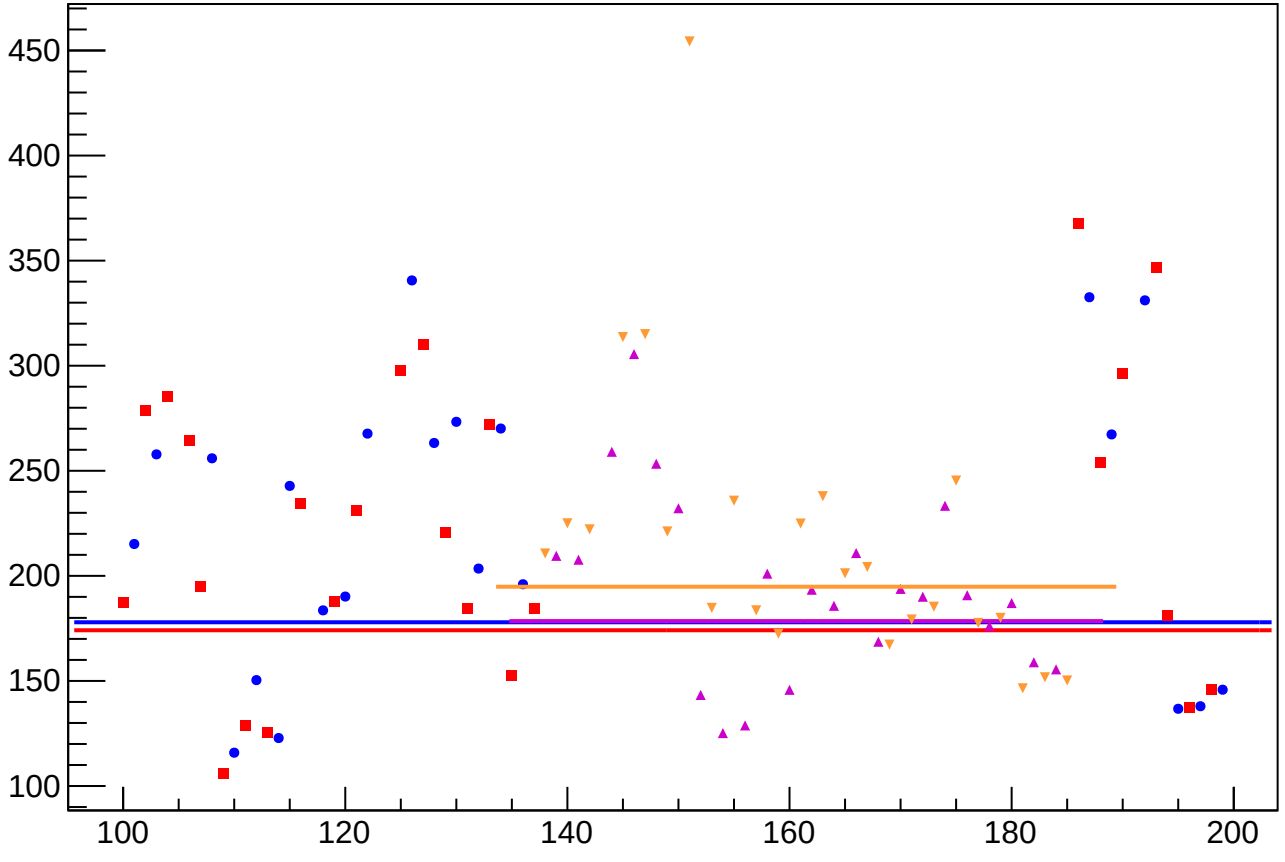
Right: -135.054+/-38.639 χ^2/NDF: 36.8/46

In: 26.447+/-34.329 χ^2/NDF:38.3/44

Out: 18.153+/-35.327 χ^2/NDF:44.2/48

All: 22.419+/-24.620 χ^2/NDF: 82.5/93

asym_bcm_2an_us_an_ds_avg_rms vs Slug, Sign Corrected



Right In: 177.917+/-0.039 χ^2/NDF: 2131561.7/21

Left Out: 194.828+/-0.033 χ^2/NDF:1752475.1/23

Right Out: 174.110+/-0.038 χ^2/NDF: 2687617.7/24

Left In: 178.475+/-0.031 χ^2/NDF:1676266.4/22

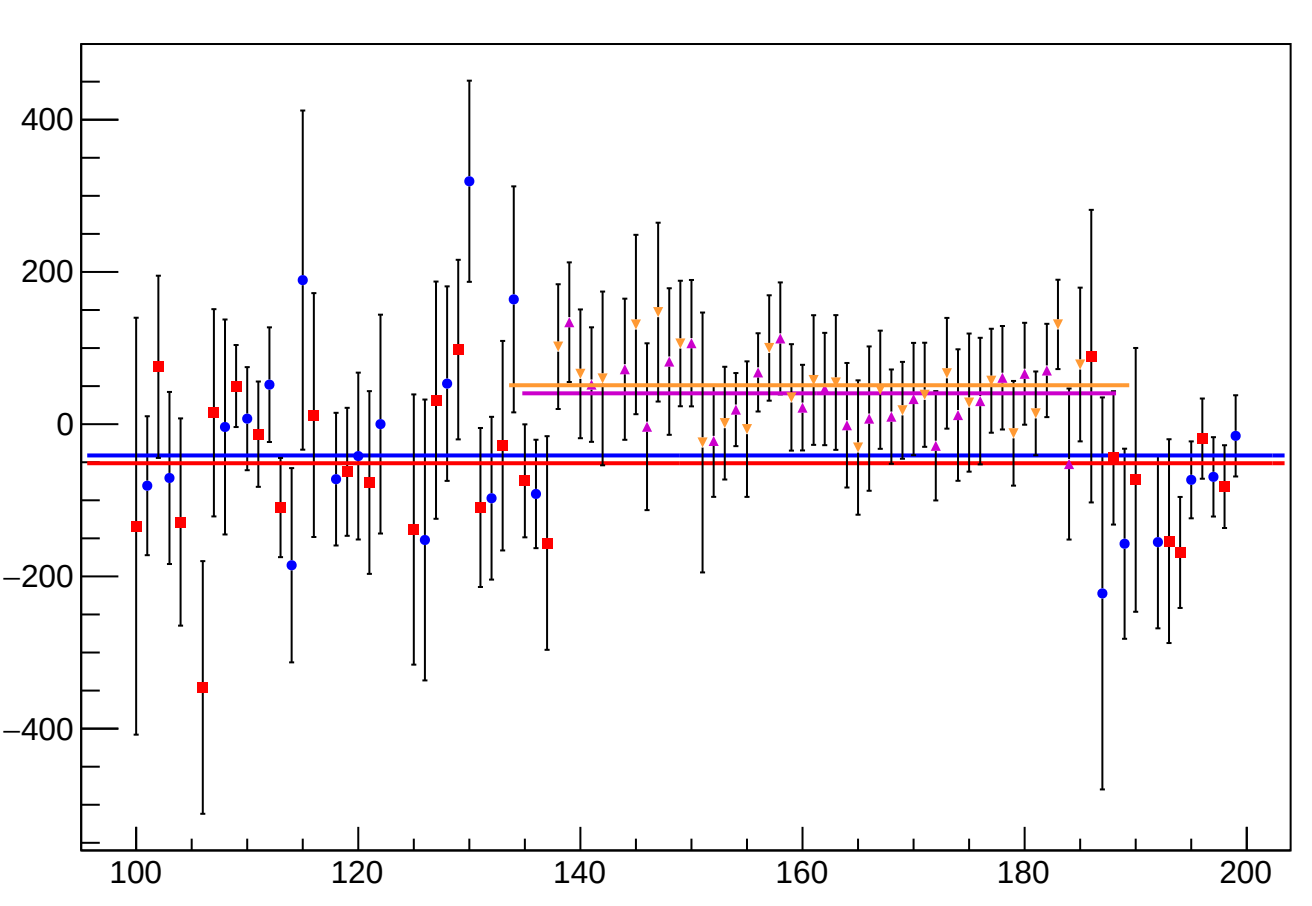
Left: 186.052+/-0.023 χ^2/NDF: 3559074.3/46

Right: 175.944+/-0.027 χ^2/NDF: 4824027.1/46

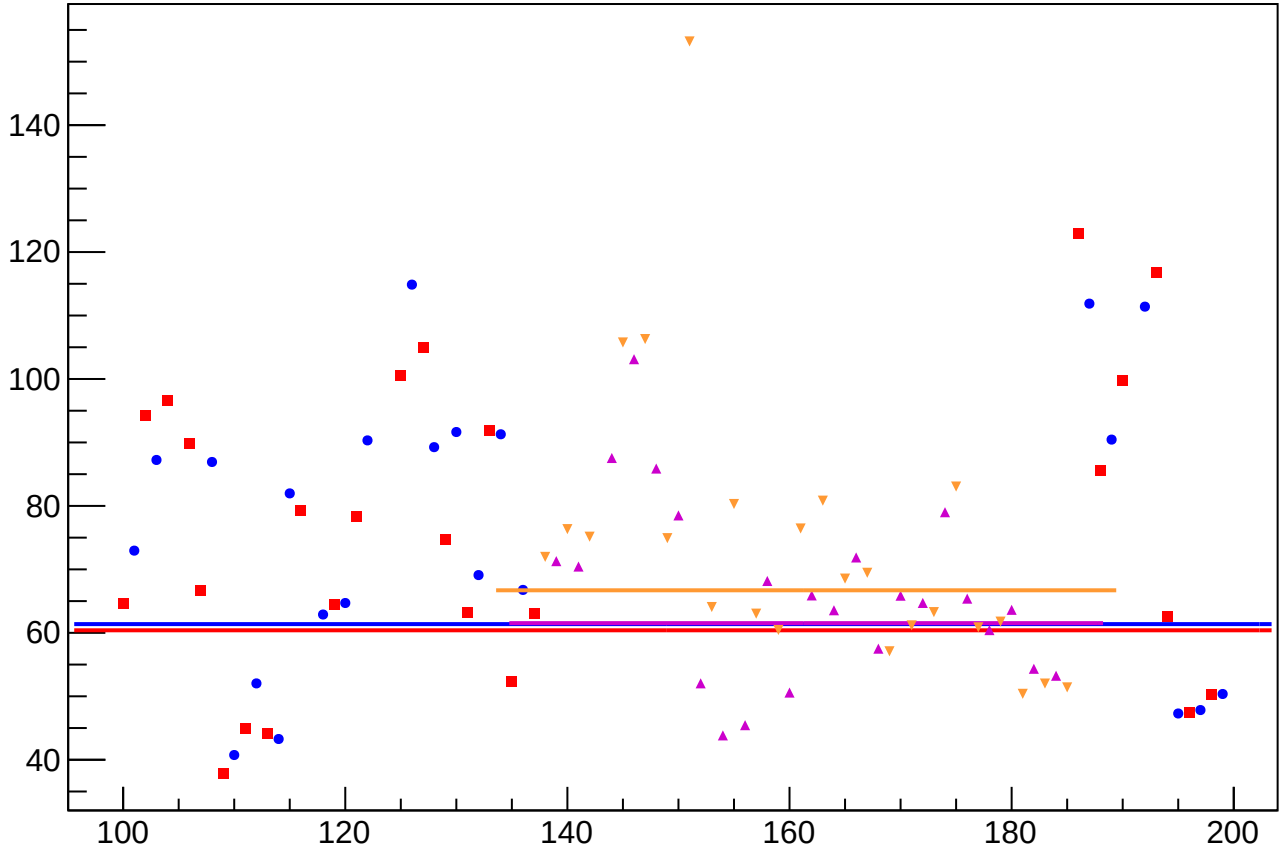
In: 178.263+/-0.024 χ^2/NDF:3807952.7/44

Out: 185.851+/-0.025 χ^2/NDF:4609000.6/48

All: 181.948+/-0.017 χ^2/NDF: 8464408.1/93


asym_bcm_2an_us_an_ds_dd_mean vs Slug, Sign Corrected
400
200
0
−200
−400
100
120
140
160
180
200
Right In: -41.090+/-19.128 χ²/NDF: 19.2/21
Left Out: 51.161+/-16.037 χ²/NDF:8.1/23
Right Out: -51.305+/-18.505 χ²/NDF: 17.3/24
Left In: 40.540+/-14.978 χ²/NDF:7.9/22
Left: 45.488+/-10.946 χ²/NDF: 16.2/46
Right: -46.367+/-13.300 χ²/NDF: 36.7/46
In: 9.513+/-11.793 χ²/NDF:38.4/44
Out: 7.211+/-12.119 χ²/NDF:43.0/48
All: 8.394+/-8.452 χ²/NDF: 81.4/93

asym_bcm_2an_us_an_ds_dd_rms vs Slug, Sign Corrected



Right In: 61.375+/-0.014 χ^2/NDF: 1981548.7/21

Left Out: 66.703+/-0.011 χ^2/NDF:1676329.9/23

Right Out: 60.400+/-0.013 χ^2/NDF: 2474305.6/24

Left In: 61.529+/-0.011 χ^2/NDF:1489848.4/22

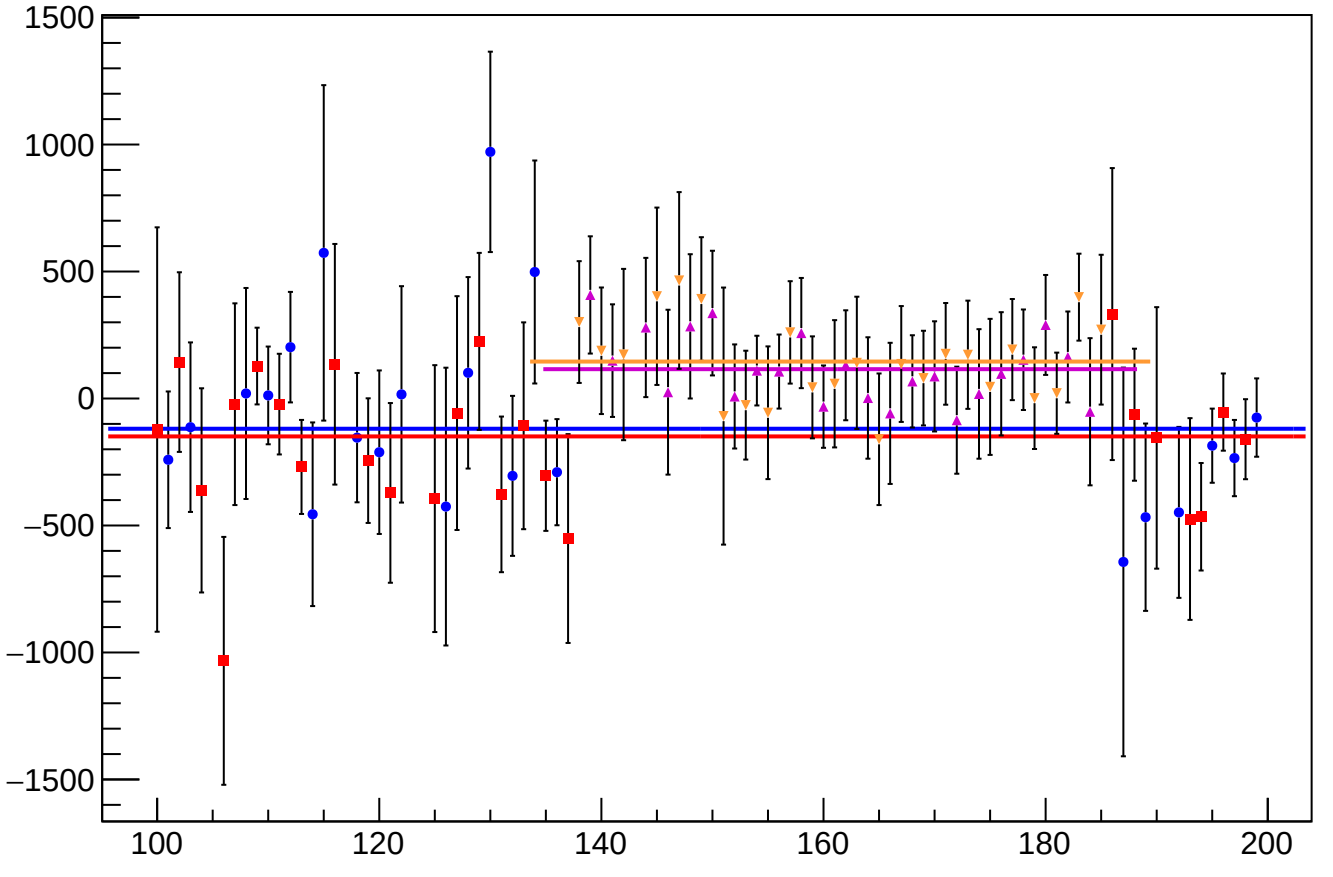
Left: 63.939+/-0.008 χ^2/NDF: 3277377.5/46

Right: 60.872+/-0.009 χ^2/NDF: 4458540.5/46

In: 61.470+/-0.008 χ^2/NDF:3471476.9/44

Out: 64.000+/-0.009 χ^2/NDF:4283146.9/48

All: 62.700+/-0.006 χ^2/NDF: 7799361.1/93



Right In: -119.052+/-55.603 χ^2/NDF: 19.6/21

Left Out: 145.476+/-46.889 χ^2/NDF:10.2/23

Right Out: -149.275+/-53.600 χ^2/NDF: 17.0/24

Left In: 115.487+/-43.568 χ^2/NDF:7.8/22

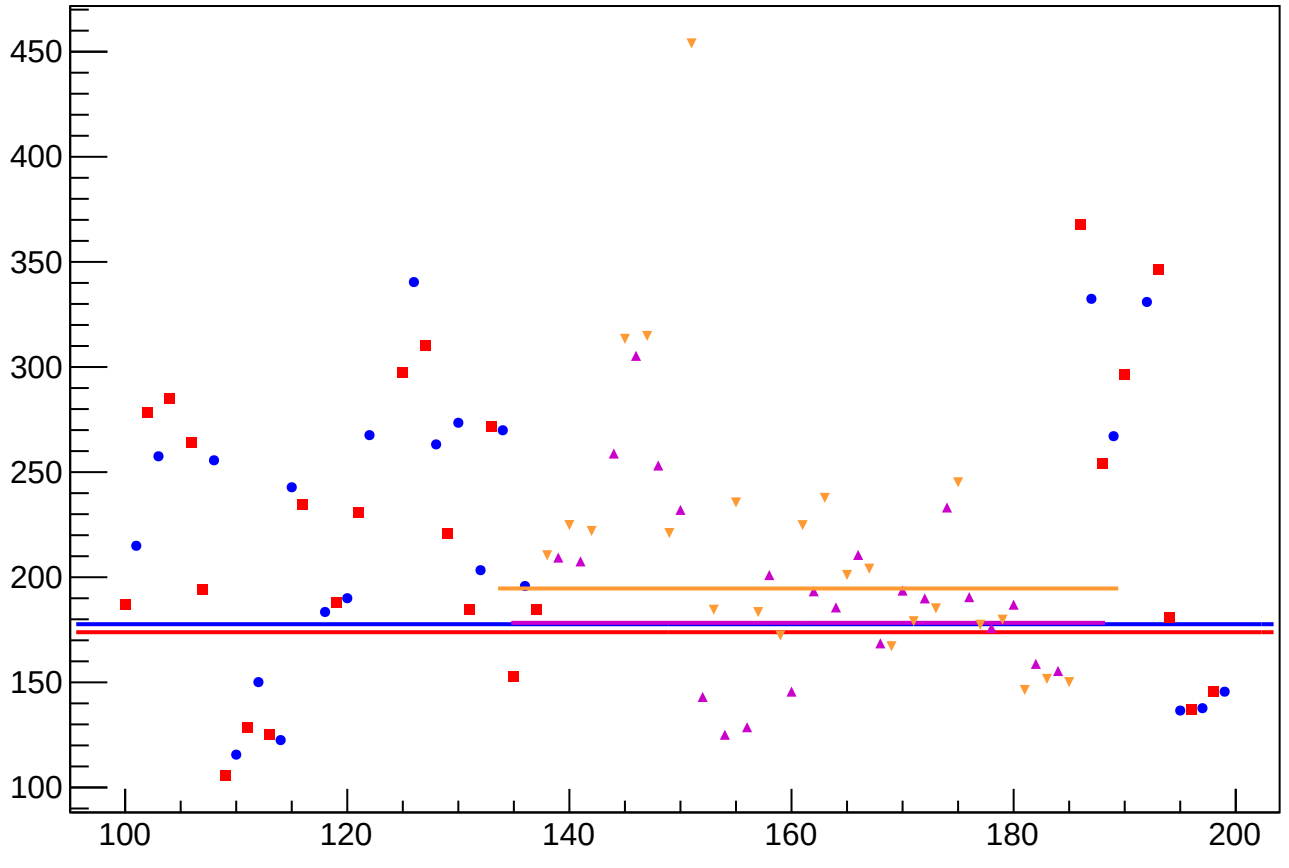
Left: 129.382+/-31.917 χ^2/NDF: 18.2/46

Right: -134.718+/-38.590 χ^2/NDF: 36.8/46

In: 26.268+/-34.294 χ^2/NDF:38.4/44

Out: 17.697+/-35.291 χ^2/NDF:44.4/48

All: 22.105+/-24.595 χ^2/NDF: 82.8/93



Right In: 177.662+/-0.039 χ^2/NDF: 2138214.7/21

Left Out: 194.659+/-0.033 χ^2/NDF:1753119.9/23

Right Out: 173.854+/-0.038 χ^2/NDF: 2696123.8/24

Left In: 178.318+/-0.031 χ^2/NDF:1678336.4/22

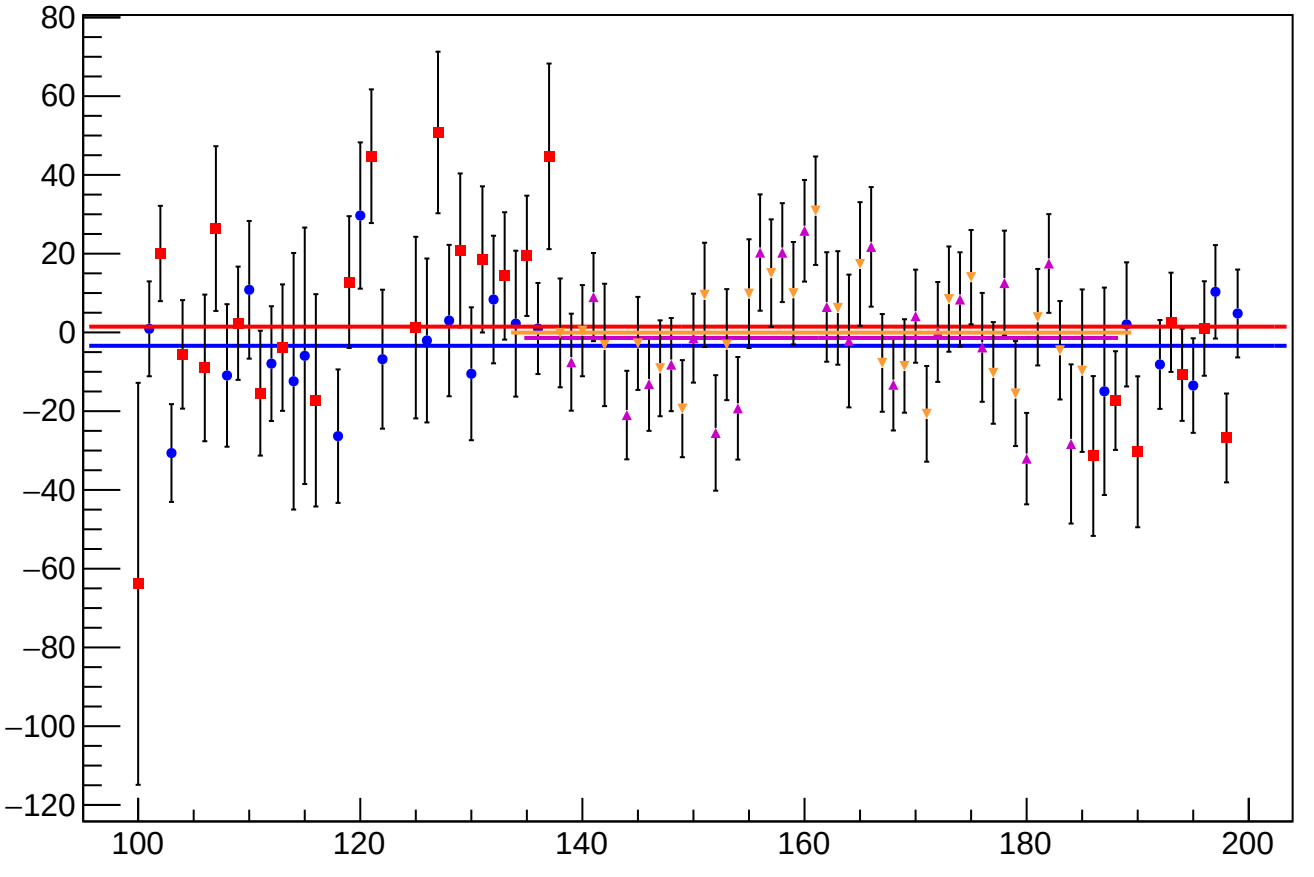
Left: 185.889+/-0.023 χ^2/NDF: 3561822.0/46

Right: 175.688+/-0.027 χ^2/NDF: 4839199.8/46

In: 178.068+/-0.024 χ^2/NDF:3816723.6/44

Out: 185.640+/-0.025 χ^2/NDF:4619939.5/48

All: 181.746+/-0.017 χ^2/NDF: 8484012.0/93



Right In: -3.396+/-3.261 χ^2/NDF: 15.1/21

Left Out: -0.047+/-2.685 χ^2/NDF:20.5/23

Right Out: 1.468+/-3.188 χ^2/NDF: 42.7/24

Left In: -1.407+/-2.674 χ^2/NDF:36.3/22

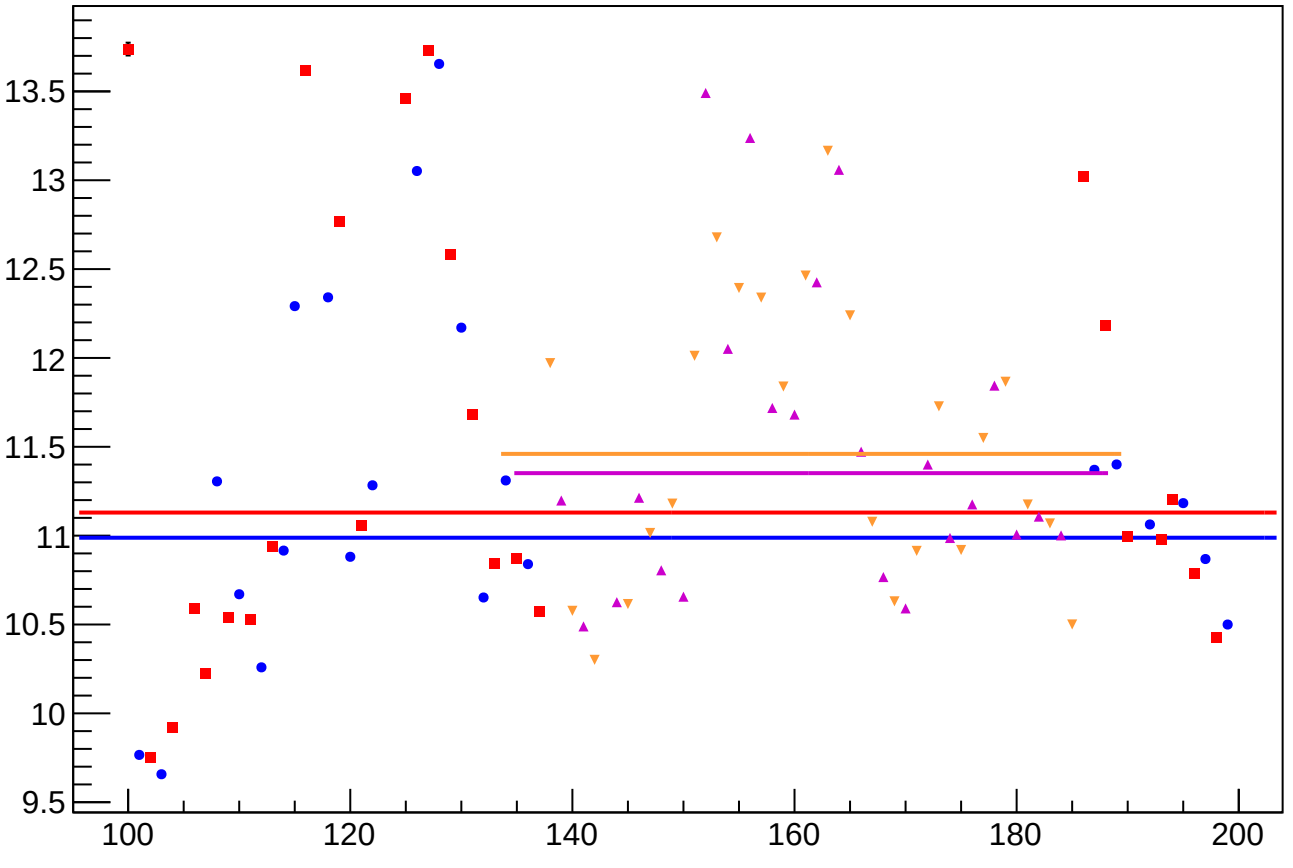
Left: -0.729+/-1.895 χ^2/NDF: 56.9/46

Right: -0.909+/-2.280 χ^2/NDF: 58.9/46

In: -2.206+/-2.068 χ^2/NDF:51.7/44

Out: 0.582+/-2.054 χ^2/NDF:63.3/48

All: -0.803+/-1.457 χ^2/NDF: 115.8/93



Right In: 10.988+/-0.002 χ^2/NDF: 142615.2/21

Left Out: 11.460+/-0.002 χ^2/NDF:150430.0/23

Right Out: 11.130+/-0.002 χ^2/NDF: 203873.6/24

Left In: 11.352+/-0.002 χ^2/NDF:170563.6/22

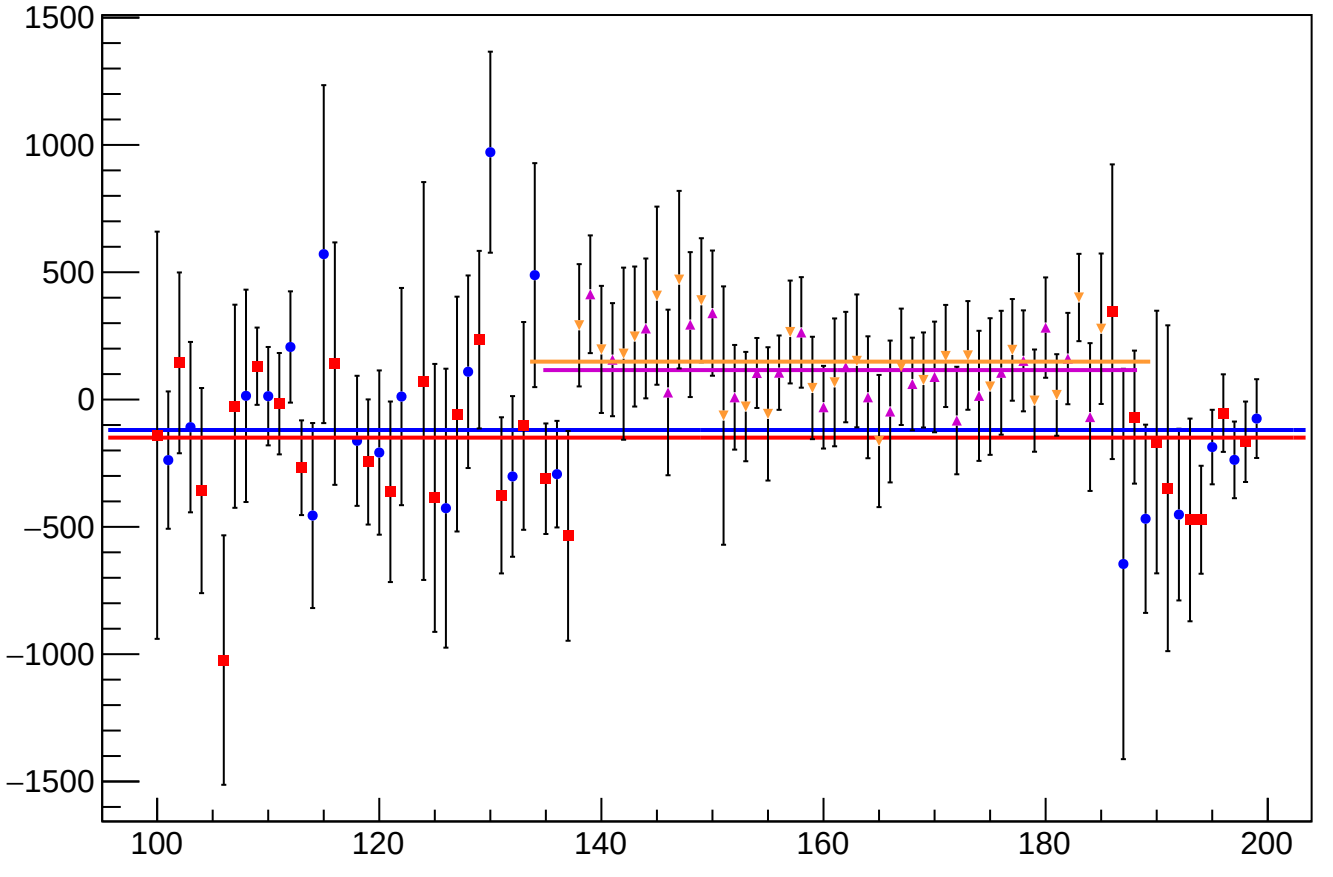
Left: 11.406+/-0.001 χ^2/NDF: 322630.2/46

Right: 11.061+/-0.002 χ^2/NDF: 348417.8/46

In: 11.206+/-0.001 χ^2/NDF:328027.4/44

Out: 11.323+/-0.001 χ^2/NDF:366850.3/48

All: 11.265+/-0.001 χ^2/NDF: 698127.0/93



Right In: -119.584+/-55.756 χ^2/NDF: 19.6/21

Left Out: 148.905+/-46.306 χ^2/NDF:10.5/24

Right Out: -149.544+/-53.443 χ^2/NDF: 17.2/26

Left In: 115.709+/-43.641 χ^2/NDF:7.8/22

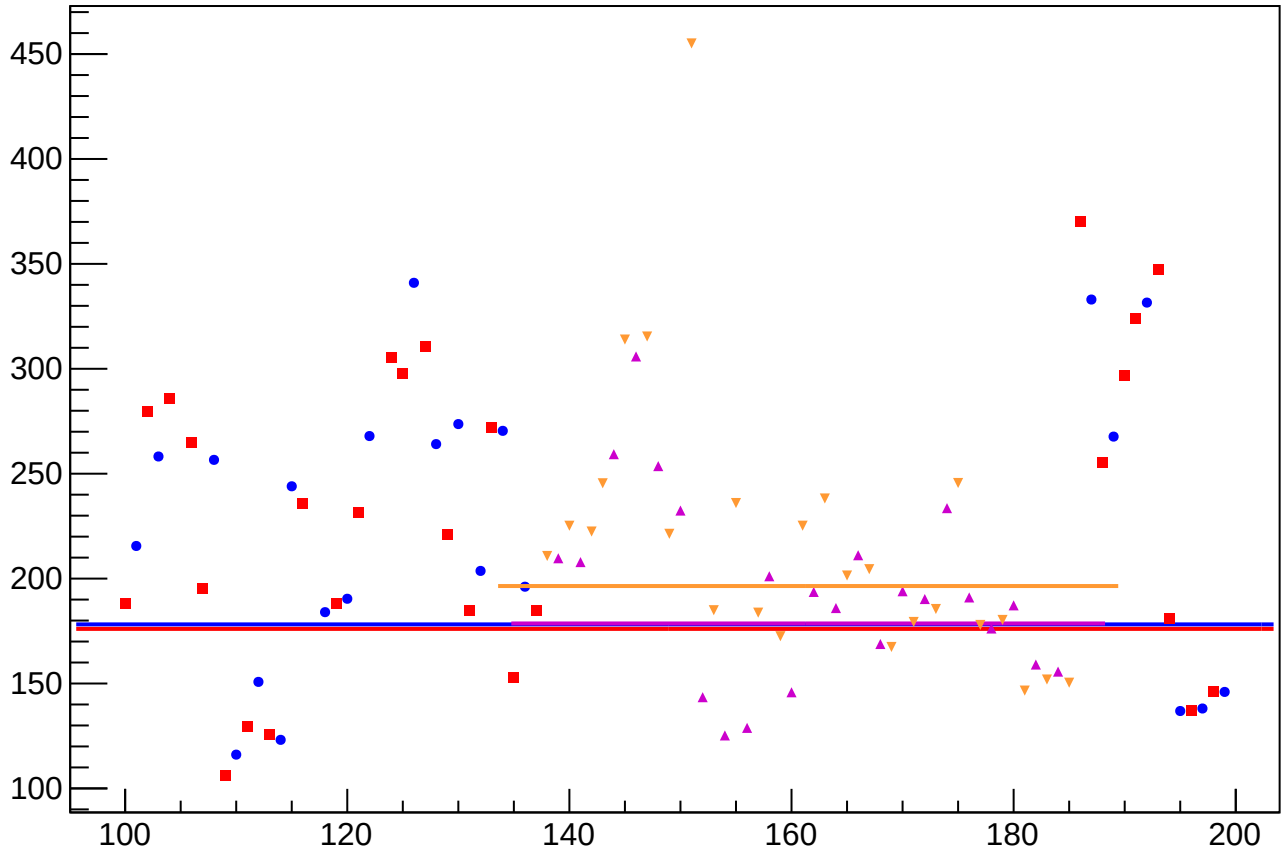
Left: 131.325+/-31.759 χ^2/NDF: 18.6/47

Right: -135.198+/-38.582 χ^2/NDF: 37.0/48

In: 26.322+/-34.366 χ^2/NDF:38.5/44

Out: 20.924+/-34.997 χ^2/NDF:45.5/51

All: 23.672+/-24.520 χ^2/NDF: 84.0/96



Right In: 178.175+/-0.039 χ^2/NDF: 2132332.0/21

Left Out: 196.454+/-0.033 χ^2/NDF:1818746.1/24

Right Out: 176.034+/-0.038 χ^2/NDF: 2856078.6/26

Left In: 178.614+/-0.031 χ^2/NDF:1678859.8/22

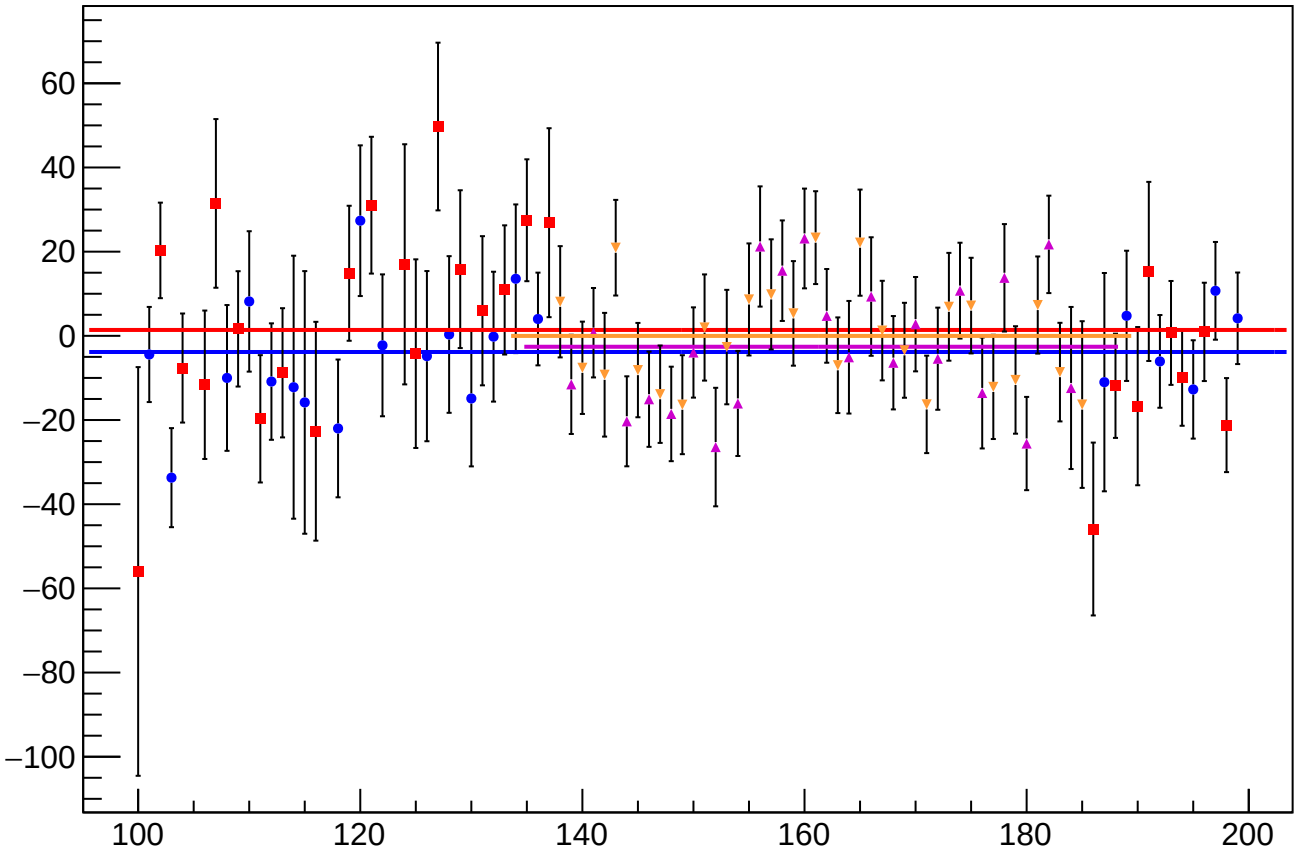
Left: 187.006+/-0.022 χ^2/NDF: 3654827.6/47

Right: 177.059+/-0.027 χ^2/NDF: 4989948.6/48

In: 178.447+/-0.024 χ^2/NDF:3811268.5/44

Out: 187.697+/-0.025 χ^2/NDF:4841614.4/51

All: 182.988+/-0.017 χ^2/NDF: 8724016.3/96



Right In: -3.839+/-3.138 χ^2/NDF: 17.0/21

Left Out: -0.018+/-2.445 χ^2/NDF:23.7/24

Right Out: 1.398+/-3.024 χ^2/NDF: 39.5/26

Left In: -2.591+/-2.506 χ^2/NDF:34.8/22

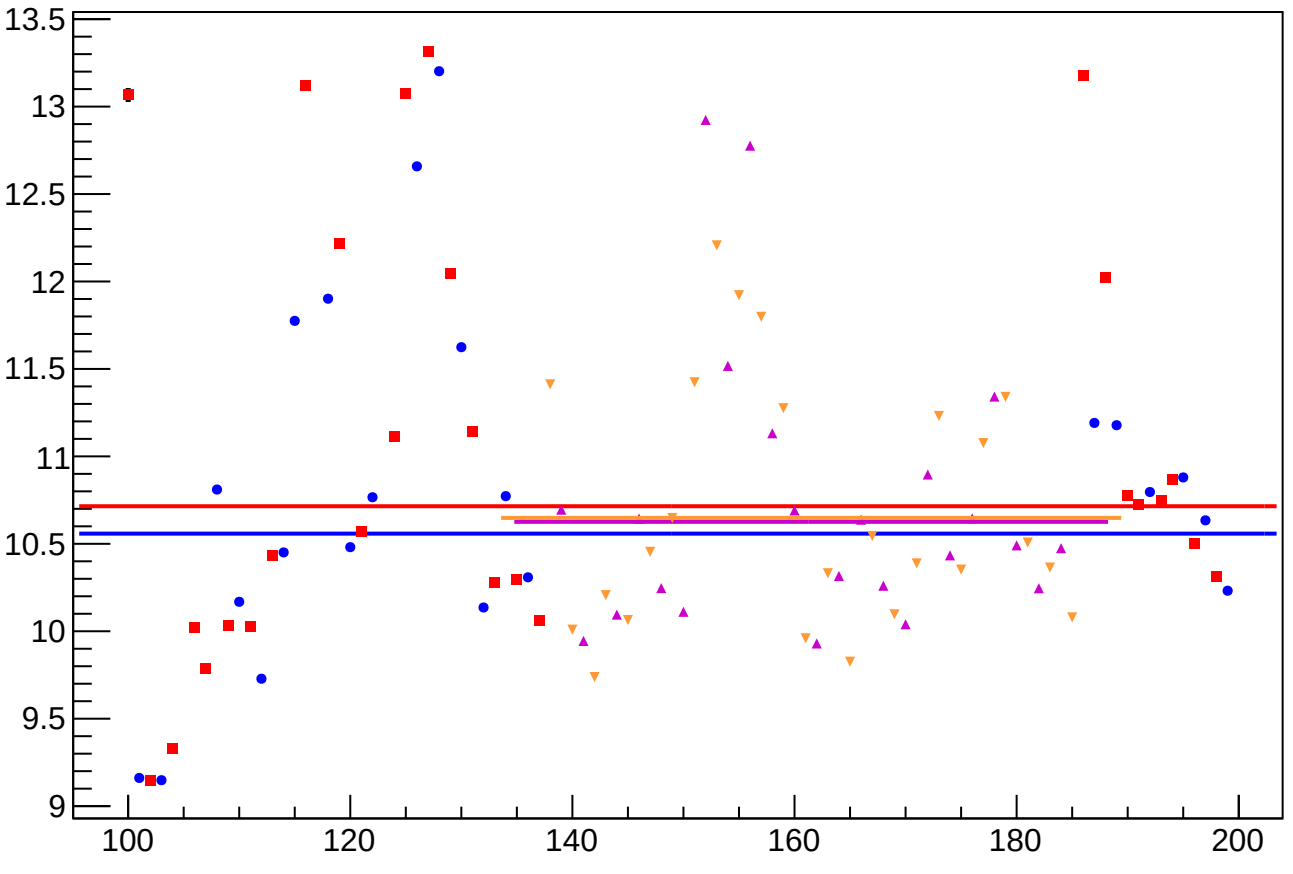
Left: -1.272+/-1.750 χ^2/NDF: 59.1/47

Right: -1.124+/-2.178 χ^2/NDF: 57.9/48

In: -3.077+/-1.958 χ^2/NDF:51.9/44

Out: 0.542+/-1.901 χ^2/NDF:63.4/51

All: -1.214+/-1.364 χ^2/NDF: 117.0/96



Right In: 10.558+/-0.002 χ^2/NDF: 167092.9/21

Left Out: 10.648+/-0.002 χ^2/NDF:143535.9/24

Right Out: 10.715+/-0.002 χ^2/NDF: 245403.2/26

Left In: 10.626+/-0.002 χ^2/NDF:159543.1/22

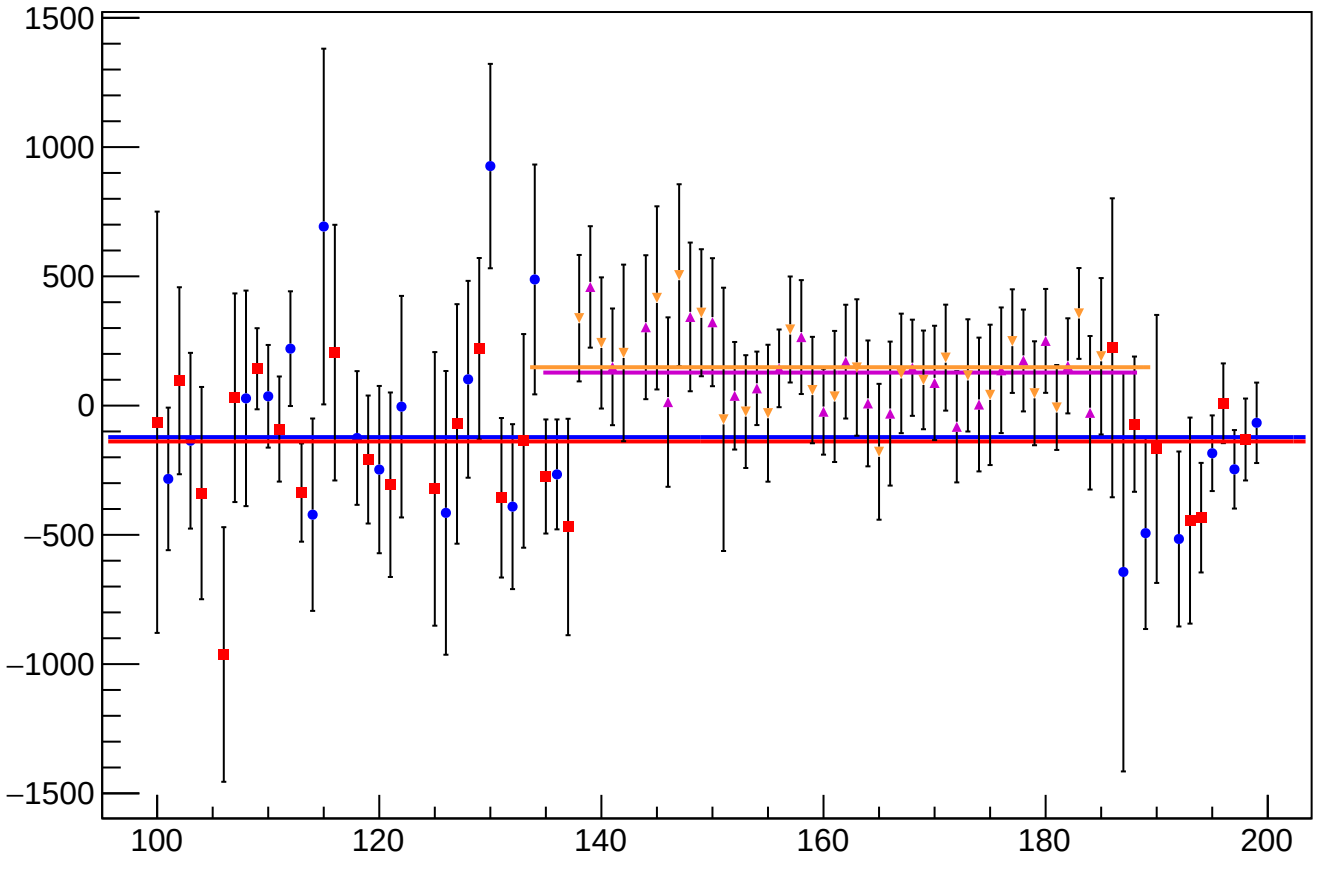
Left: 10.637+/-0.001 χ^2/NDF: 303162.3/47

Right: 10.640+/-0.002 χ^2/NDF: 415083.1/48

In: 10.599+/-0.001 χ^2/NDF:327199.9/44

Out: 10.675+/-0.001 χ^2/NDF:389528.0/51

All: 10.638+/-0.001 χ^2/NDF: 718246.8/96



Right In: -121.908+/-56.327 χ^2/NDF: 20.3/21

Left Out: 148.441+/-47.720 χ^2/NDF:9.9/23

Right Out: -138.644+/-54.489 χ^2/NDF: 15.4/24

Left In: 127.710+/-44.426 χ^2/NDF:7.8/22

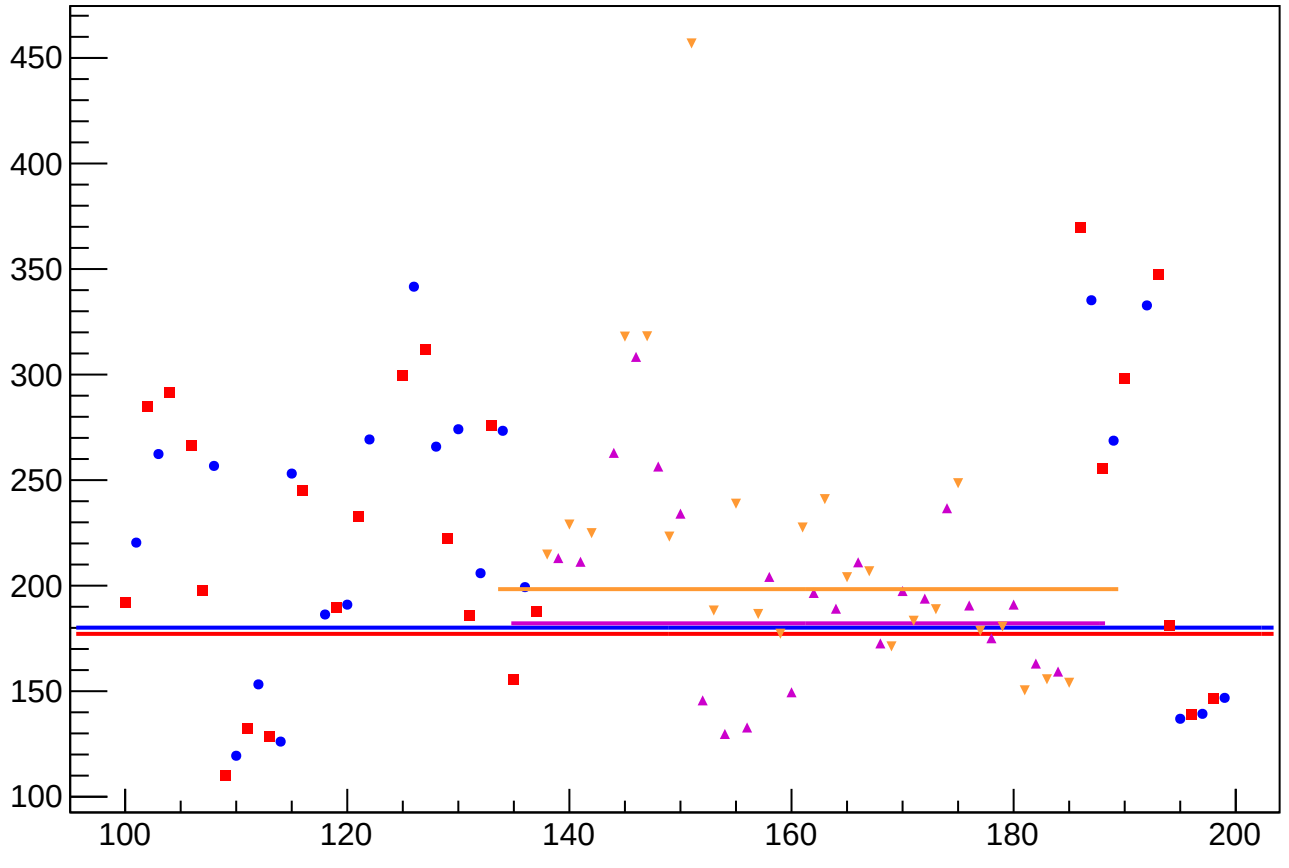
Left: 137.335+/-32.516 χ^2/NDF: 17.8/46

Right: -130.553+/-39.163 χ^2/NDF: 35.7/46

In: 31.979+/-34.882 χ^2/NDF:40.2/44

Out: 23.827+/-35.899 χ^2/NDF:41.0/48

All: 28.020+/-25.017 χ^2/NDF: 81.2/93



Right In: 180.109+/-0.040 χ^2/NDF: 2115133.5/21

Left Out: 198.351+/-0.034 χ^2/NDF:1697058.2/23

Right Out: 177.161+/-0.039 χ^2/NDF: 2612091.3/24

Left In: 182.150+/-0.031 χ^2/NDF:1584358.1/22

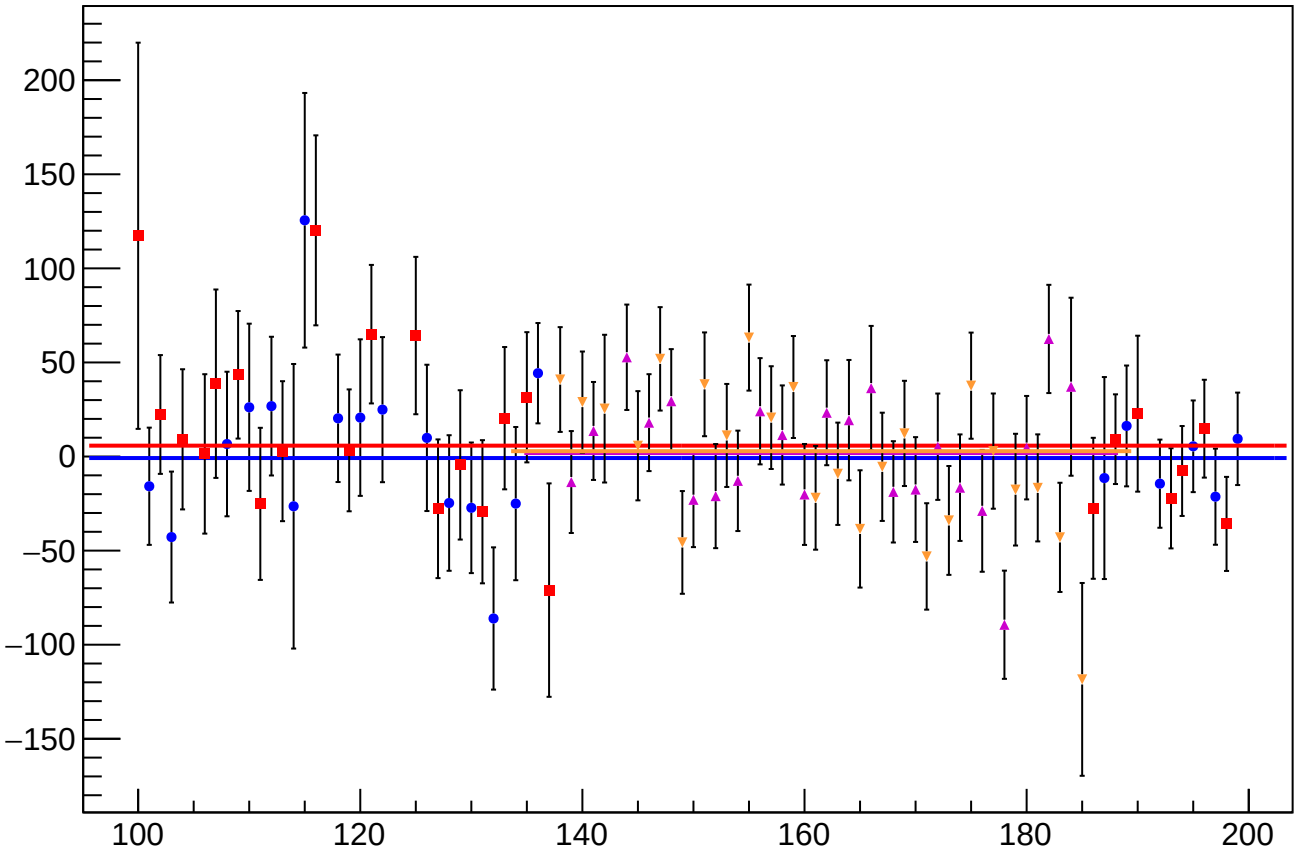
Left: 189.672+/-0.023 χ^2/NDF: 3404908.8/46

Right: 178.586+/-0.028 χ^2/NDF: 4730054.8/46

In: 181.367+/-0.025 χ^2/NDF:3701111.5/44

Out: 189.153+/-0.025 χ^2/NDF:4480337.7/48

All: 185.148+/-0.018 χ^2/NDF: 8229838.9/93



Right In: -0.803+/-7.202 χ^2/NDF: 18.3/21

Left Out: 2.851+/-5.904 χ^2/NDF:36.9/23

Right Out: 5.783+/-6.927 χ^2/NDF: 23.0/24

Left In: 1.850+/-5.893 χ^2/NDF:28.1/22

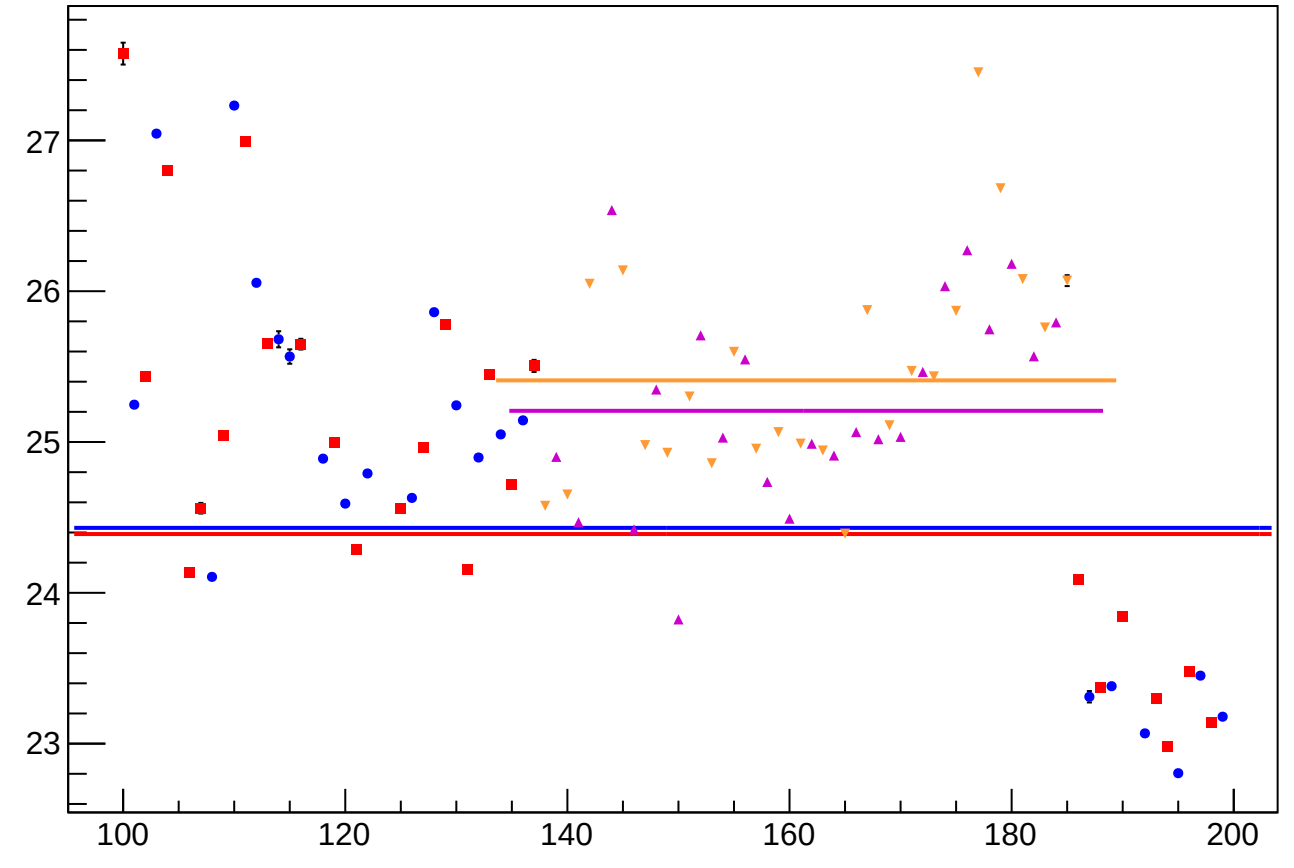
Left: 2.349+/-4.171 χ^2/NDF: 65.0/46

Right: 2.619+/-4.992 χ^2/NDF: 41.7/46

In: 0.786+/-4.561 χ^2/NDF:46.5/44

Out: 4.085+/-4.493 χ^2/NDF:60.0/48

All: 2.460+/-3.201 χ^2/NDF: 106.7/93



Right In: 24.431+/-0.005 χ^2/NDF: 59659.5/21

Left Out: 25.409+/-0.004 χ^2/NDF:26863.6/23

Right Out: 24.390+/-0.005 χ^2/NDF: 53337.4/24

Left In: 25.207+/-0.004 χ^2/NDF:25827.4/22

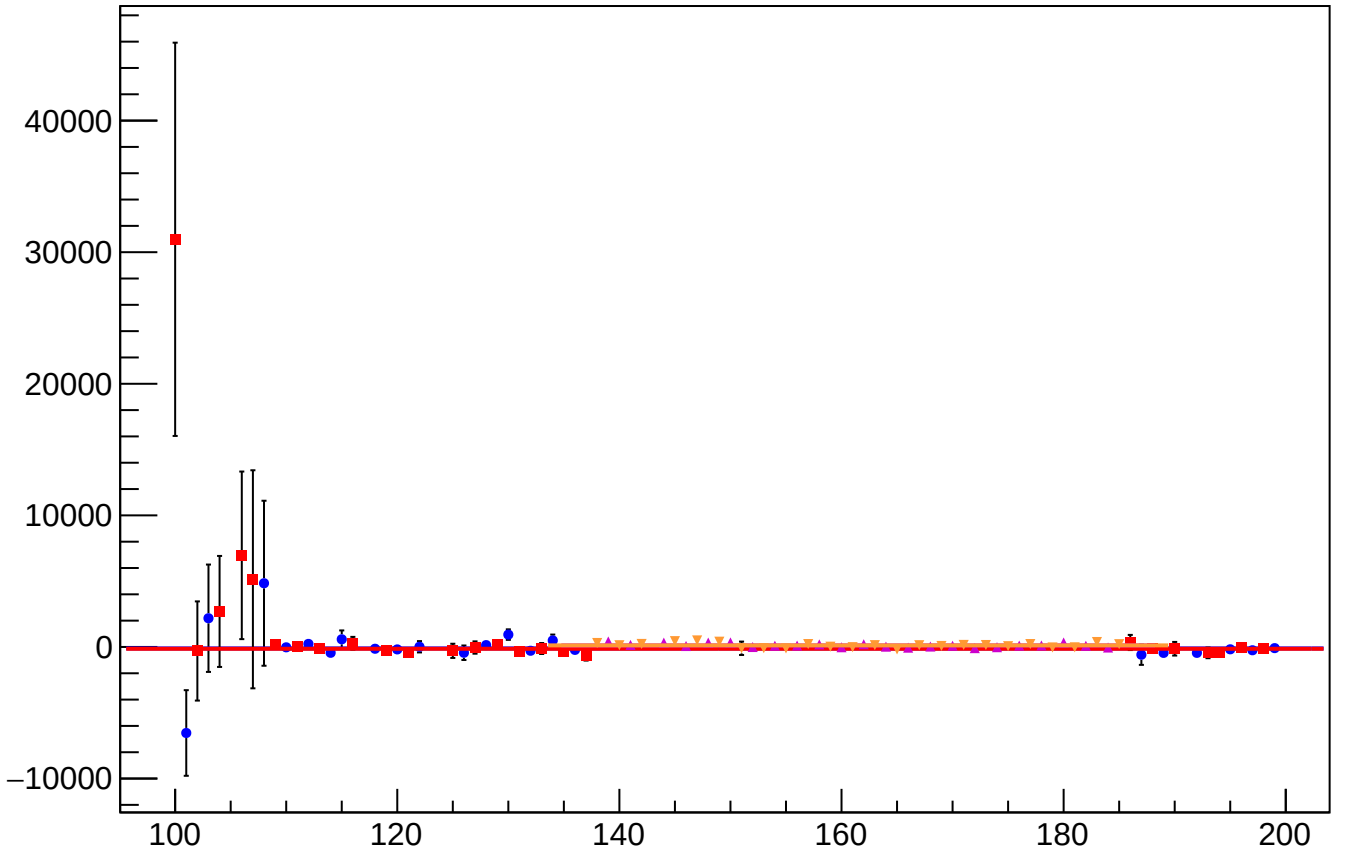
Left: 25.308+/-0.003 χ^2/NDF: 53862.4/46

Right: 24.409+/-0.004 χ^2/NDF: 113030.5/46

In: 24.896+/-0.003 χ^2/NDF:99398.6/44

Out: 24.980+/-0.003 χ^2/NDF:105266.2/48

All: 24.938+/-0.002 χ^2/NDF: 205012.1/93



Right In: -111.738+/-59.597 χ^2/NDF: 22.9/21

Left Out: 120.221+/-47.440 χ^2/NDF:11.9/23

Right Out: -137.582+/-58.847 χ^2/NDF: 17.9/24

Left In: 116.243+/-44.786 χ^2/NDF:8.4/22

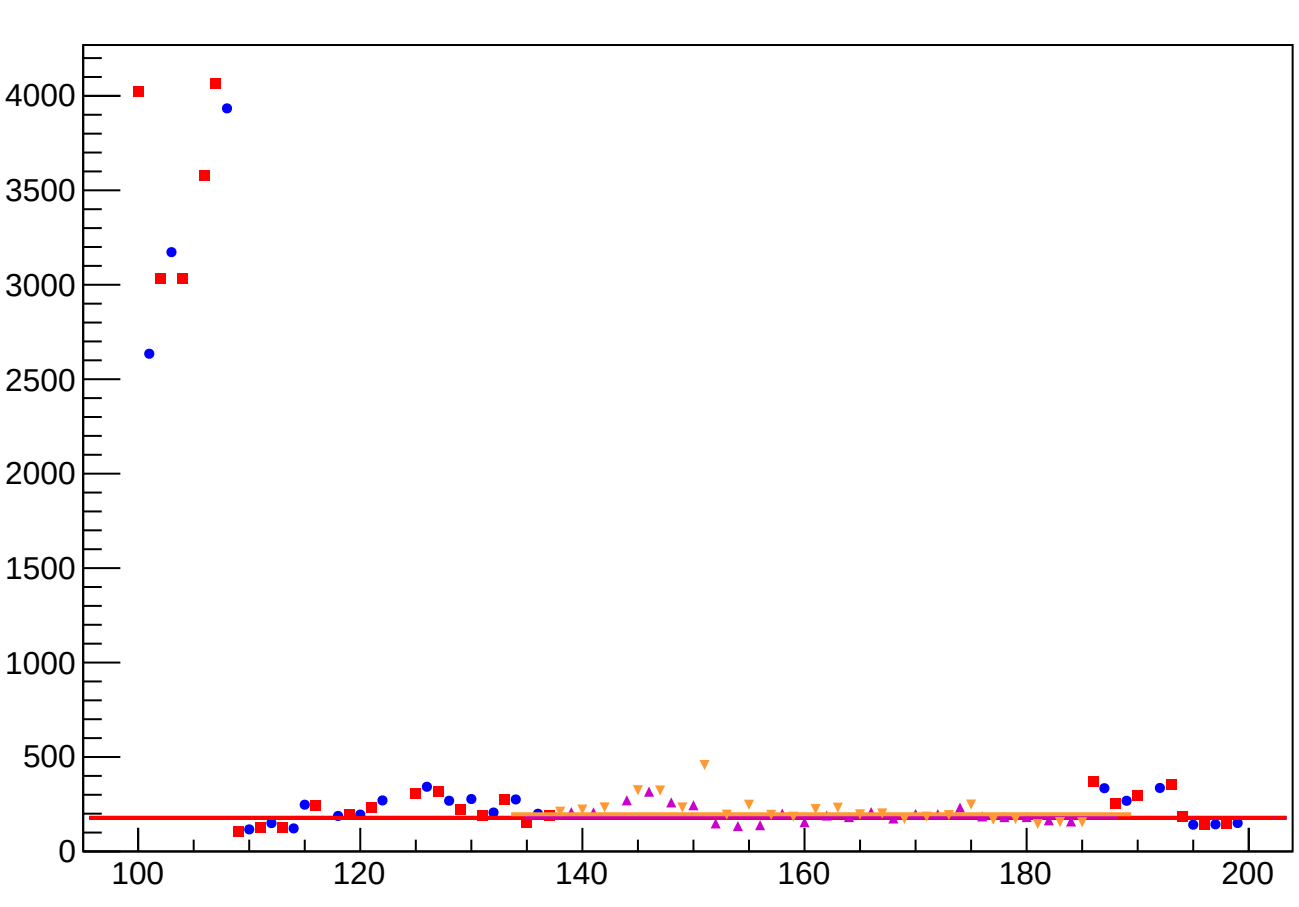
Left: 118.118+/-32.566 χ^2/NDF: 20.4/46

Right: -124.824+/-41.874 χ^2/NDF: 40.9/46

In: 33.962+/-35.803 χ^2/NDF:40.6/44

Out: 18.672+/-36.933 χ^2/NDF:41.5/48

All: 26.555+/-25.707 χ^2/NDF: 82.2/93



Right In: 178.116+/-0.042 χ^2/NDF: 4783371.0/21

Left Out: 196.935+/-0.034 χ^2/NDF:1809266.5/23

Right Out: 177.381+/-0.042 χ^2/NDF: 5299240.2/24

Left In: 184.051+/-0.032 χ^2/NDF:1445426.0/22

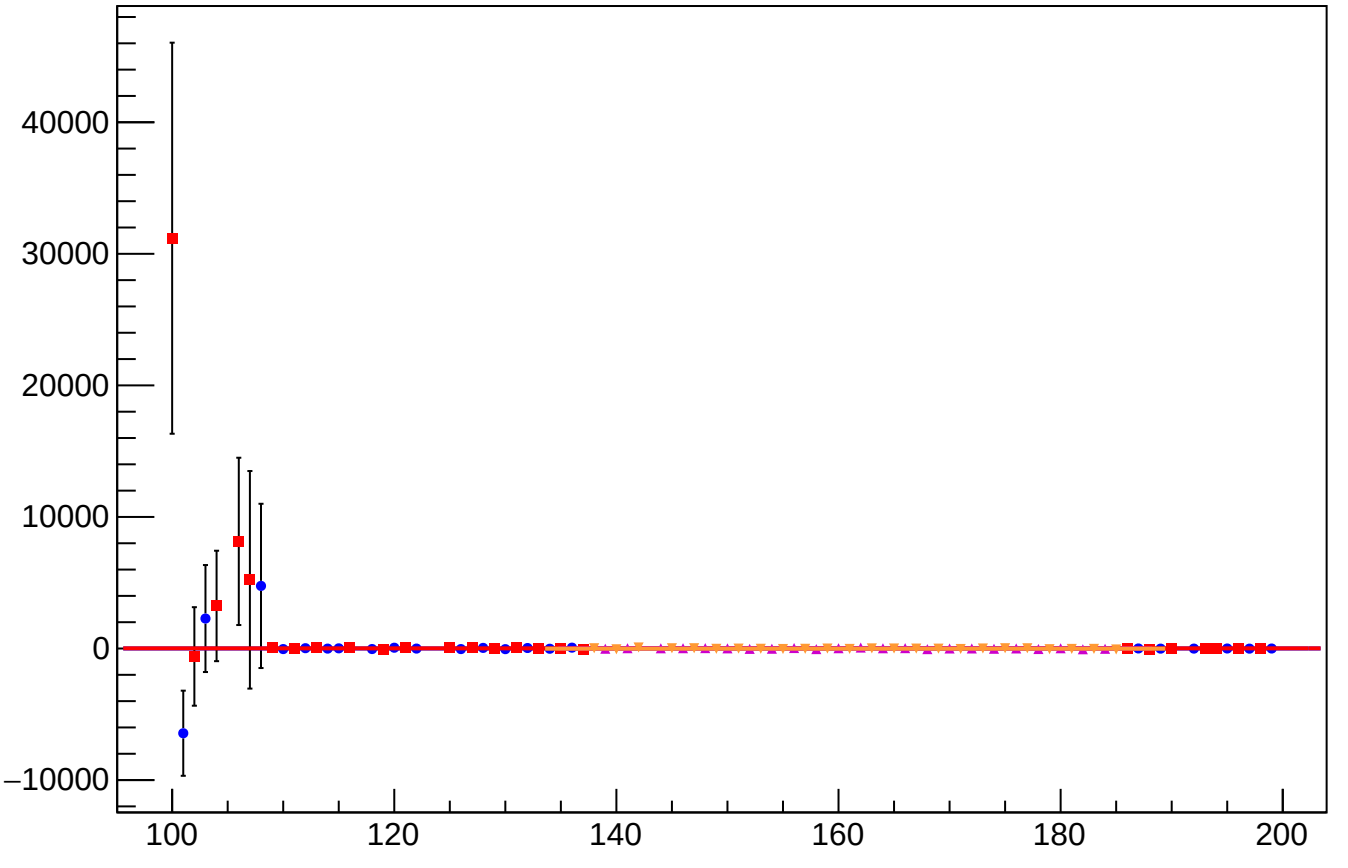
Left: 190.123+/-0.023 χ^2/NDF: 3332695.4/46

Right: 177.744+/-0.030 χ^2/NDF: 10082764.9/46

In: 181.909+/-0.025 χ^2/NDF:6241474.7/44

Out: 189.233+/-0.026 χ^2/NDF:7242346.3/48

All: 185.457+/-0.018 χ^2/NDF: 13524368.6/93



Right In: 1.573+/-8.754 χ^2/NDF: 18.8/21

Left Out: -11.111+/-6.653 χ^2/NDF:17.5/23

Right Out: 12.978+/-8.636 χ^2/NDF: 27.1/24

Left In: 2.576+/-6.732 χ^2/NDF:22.2/22

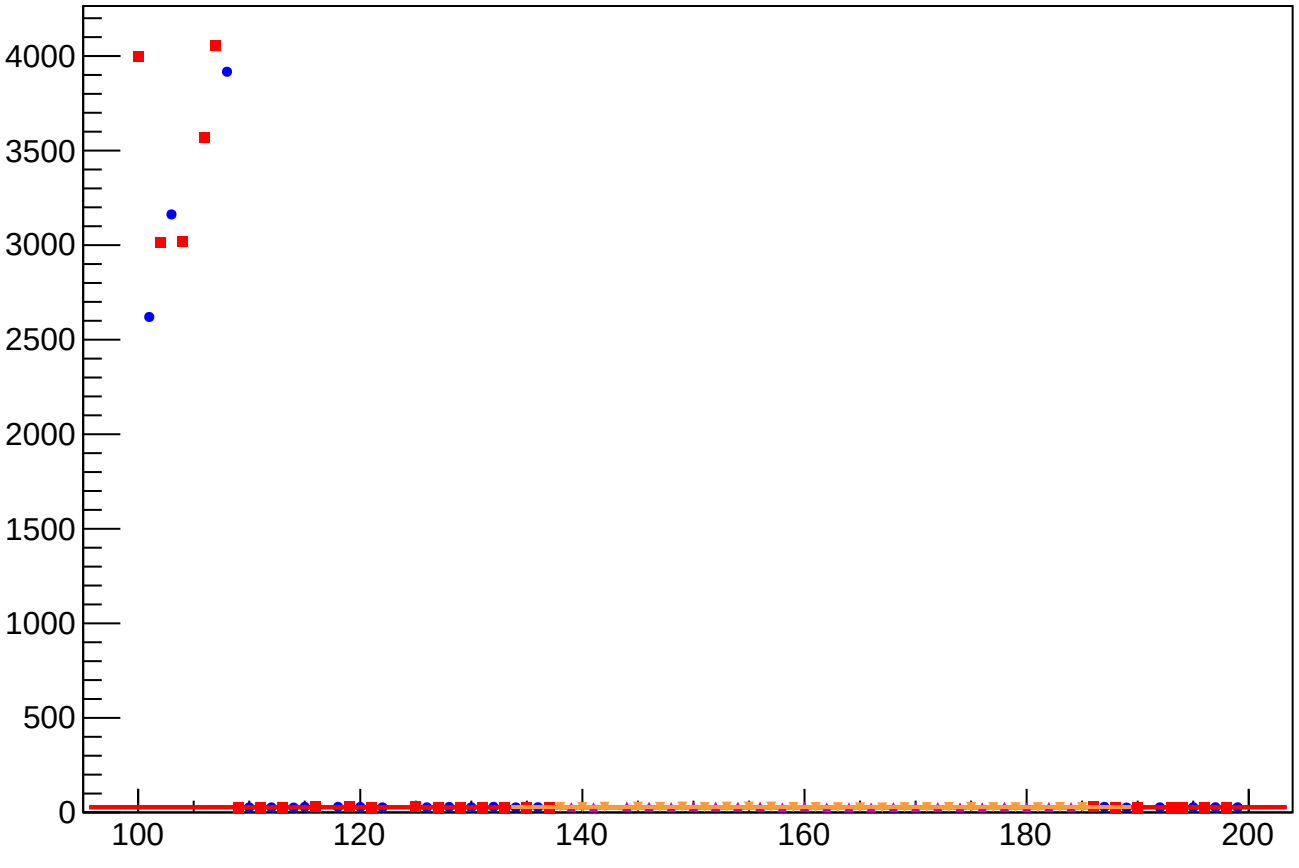
Left: -4.348+/-4.732 χ^2/NDF: 41.8/46

Right: 7.353+/-6.148 χ^2/NDF: 46.7/46

In: 2.203+/-5.337 χ^2/NDF:41.0/44

Out: -2.140+/-5.270 χ^2/NDF:49.5/48

All: 0.005+/-3.750 χ^2/NDF: 90.8/93



Right In: 27.523+/-0.006 χ^2/NDF: 3275025.0/21

Left Out: 28.592+/-0.005 χ^2/NDF:80997.4/23

Right Out: 27.736+/-0.006 χ^2/NDF: 3575988.3/24

Left In: 28.728+/-0.005 χ^2/NDF:127383.0/22

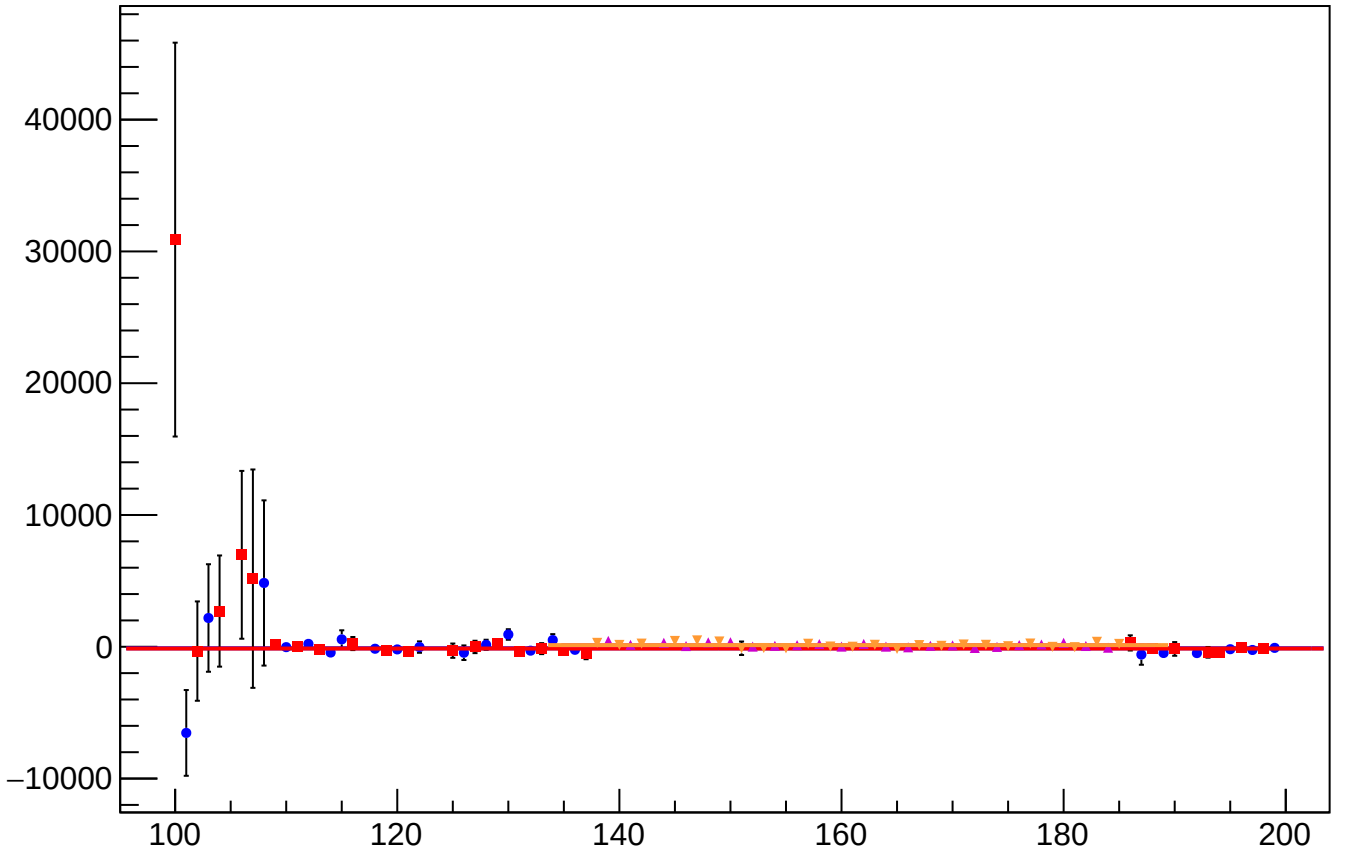
Left: 28.659+/-0.003 χ^2/NDF: 208789.7/46

Right: 27.631+/-0.004 χ^2/NDF: 6851616.8/46

In: 28.280+/-0.004 χ^2/NDF:3426224.4/44

Out: 28.273+/-0.004 χ^2/NDF:3669319.9/48

All: 28.277+/-0.003 χ^2/NDF: 7095545.8/93



Right In: -115.765+/-59.905 χ^2/NDF: 22.8/21

Left Out: 126.373+/-47.852 χ^2/NDF:11.6/23

Right Out: -133.703+/-59.162 χ^2/NDF: 16.6/24

Left In: 122.809+/-45.199 χ^2/NDF:8.0/22

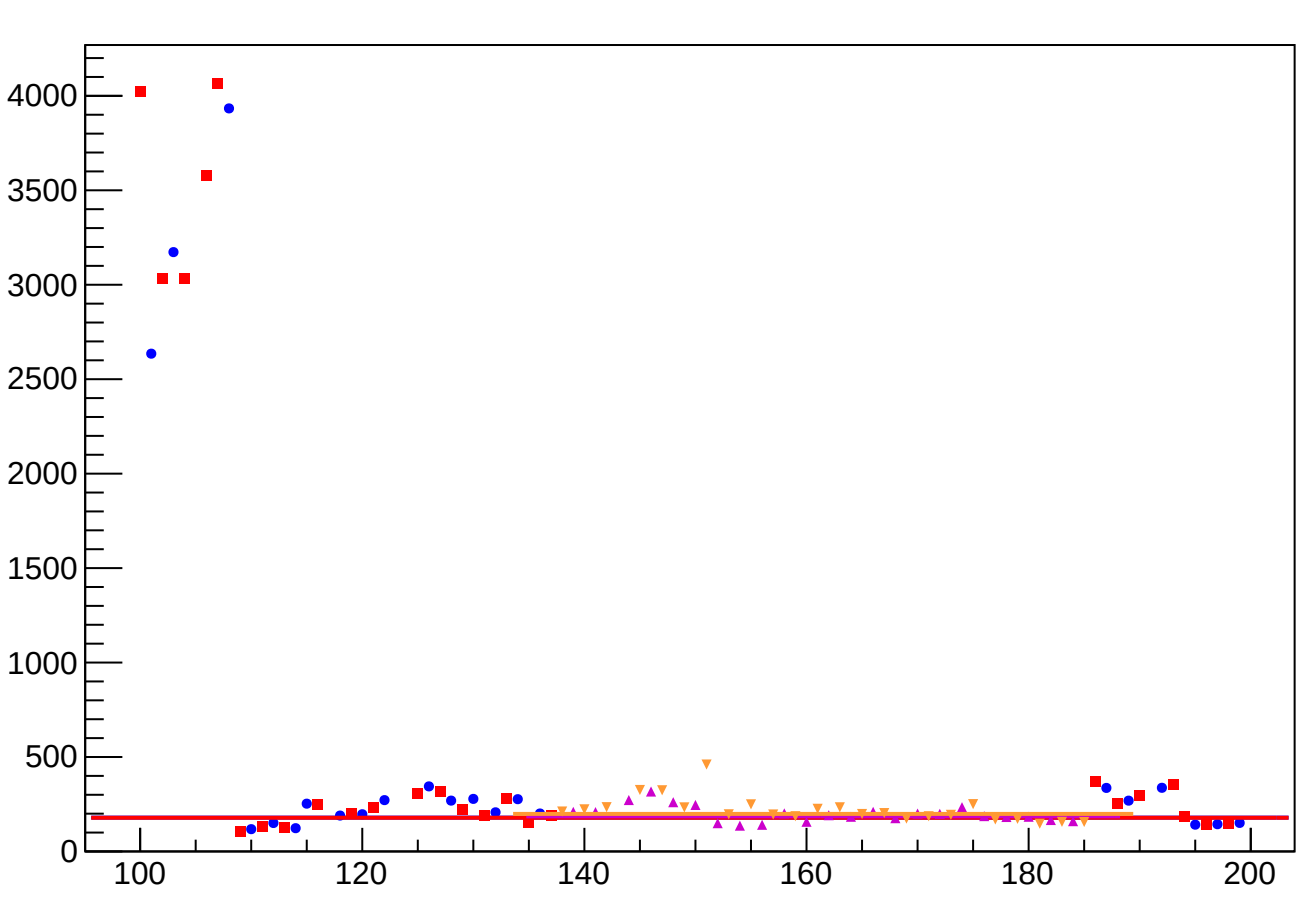
Left: 124.489+/-32.858 χ^2/NDF: 19.6/46

Right: -124.846+/-42.094 χ^2/NDF: 39.4/46

In: 36.262+/-36.081 χ^2/NDF:40.9/44

Out: 23.518+/-37.206 χ^2/NDF:39.9/48

All: 30.086+/-25.901 χ^2/NDF: 80.8/93



Right In: 179.069+/-0.042 χ^2/NDF: 4777914.6/21

Left Out: 198.736+/-0.034 χ^2/NDF:1786406.6/23

Right Out: 178.423+/-0.042 χ^2/NDF: 5283649.5/24

Left In: 185.871+/-0.032 χ^2/NDF:1405525.2/22

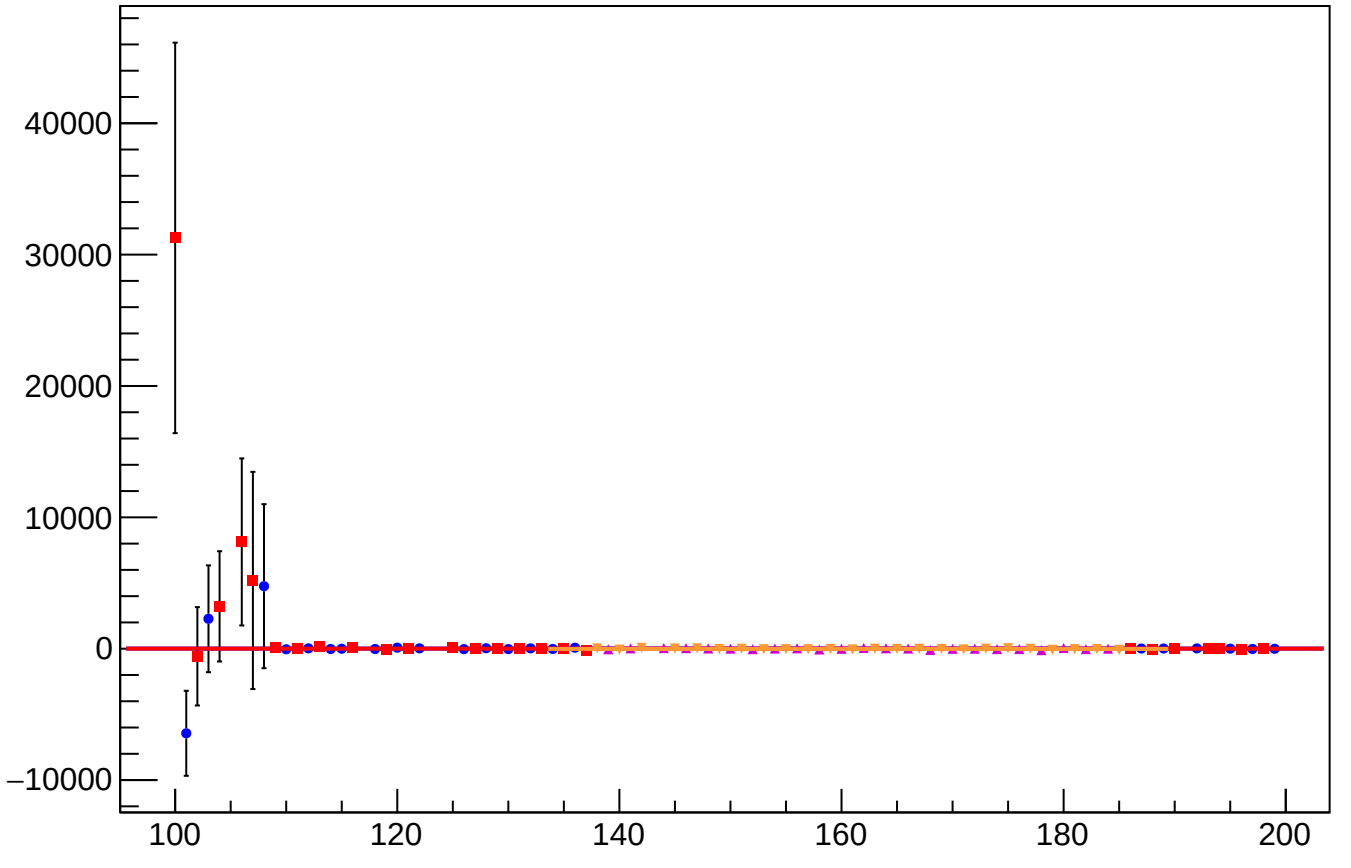
Left: 191.937+/-0.023 χ^2/NDF: 3268326.7/46

Right: 178.742+/-0.030 χ^2/NDF: 10061681.8/46

In: 183.404+/-0.026 χ^2/NDF:6199873.5/44

Out: 190.703+/-0.026 χ^2/NDF:7212582.5/48

All: 186.941+/-0.018 χ^2/NDF: 13452123.7/93



Right In: 9.274+/-9.688 χ^2/NDF: 16.7/21

Left Out: -18.187+/-7.260 χ^2/NDF:20.3/23

Right Out: 5.218+/-9.540 χ^2/NDF: 34.1/24

Left In: -2.709+/-7.348 χ^2/NDF:35.5/22

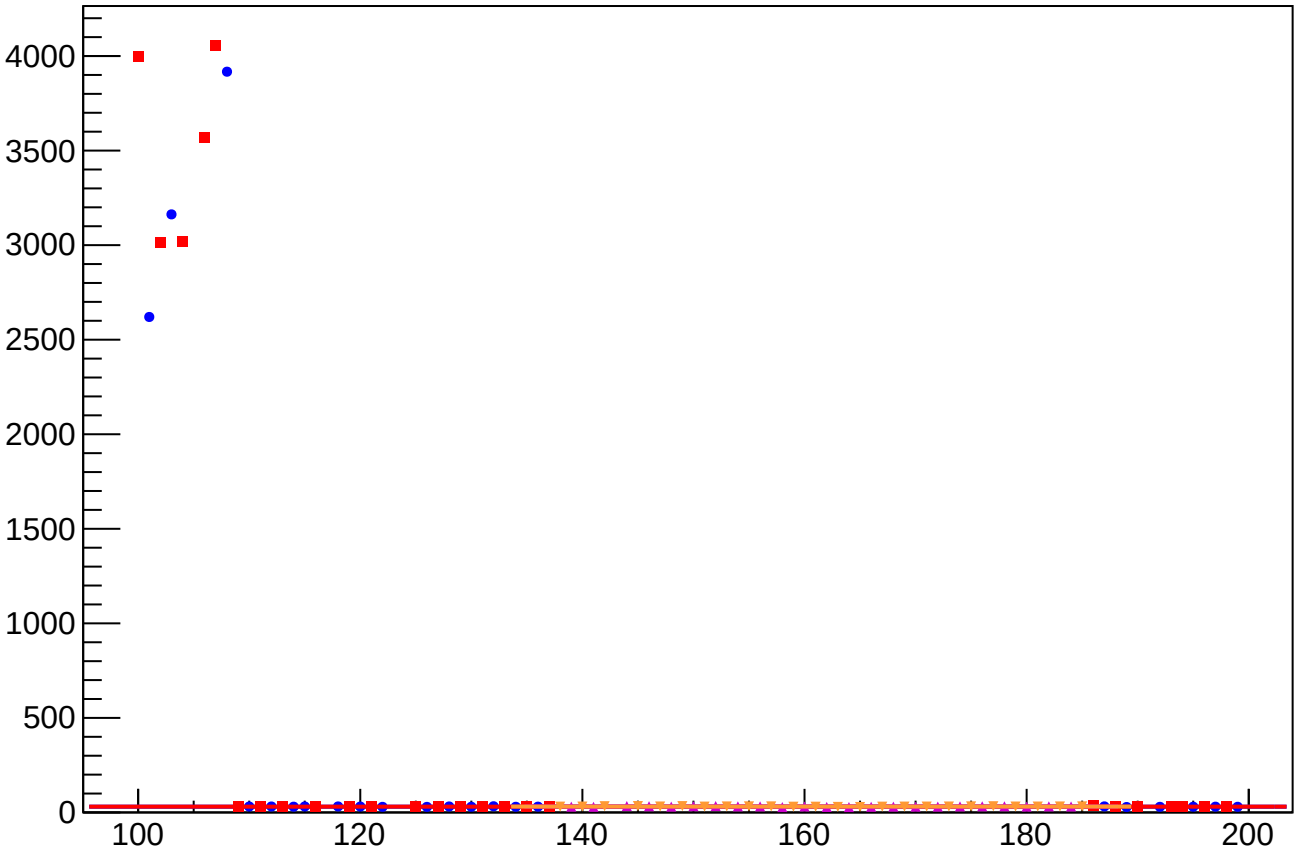
Left: -10.542+/-5.164 χ^2/NDF: 58.1/46

Right: 7.215+/-6.798 χ^2/NDF: 50.9/46

In: 1.667+/-5.854 χ^2/NDF:53.2/44

Out: -9.605+/-5.777 χ^2/NDF:58.3/48

All: -4.044+/-4.112 χ^2/NDF: 113.3/93



Right In: 30.476+/-0.007 χ^2/NDF: 3262606.7/21

Left Out: 31.221+/-0.005 χ^2/NDF:47423.0/23

Right Out: 30.664+/-0.007 χ^2/NDF: 3552289.0/24

Left In: 31.379+/-0.005 χ^2/NDF:85229.7/22

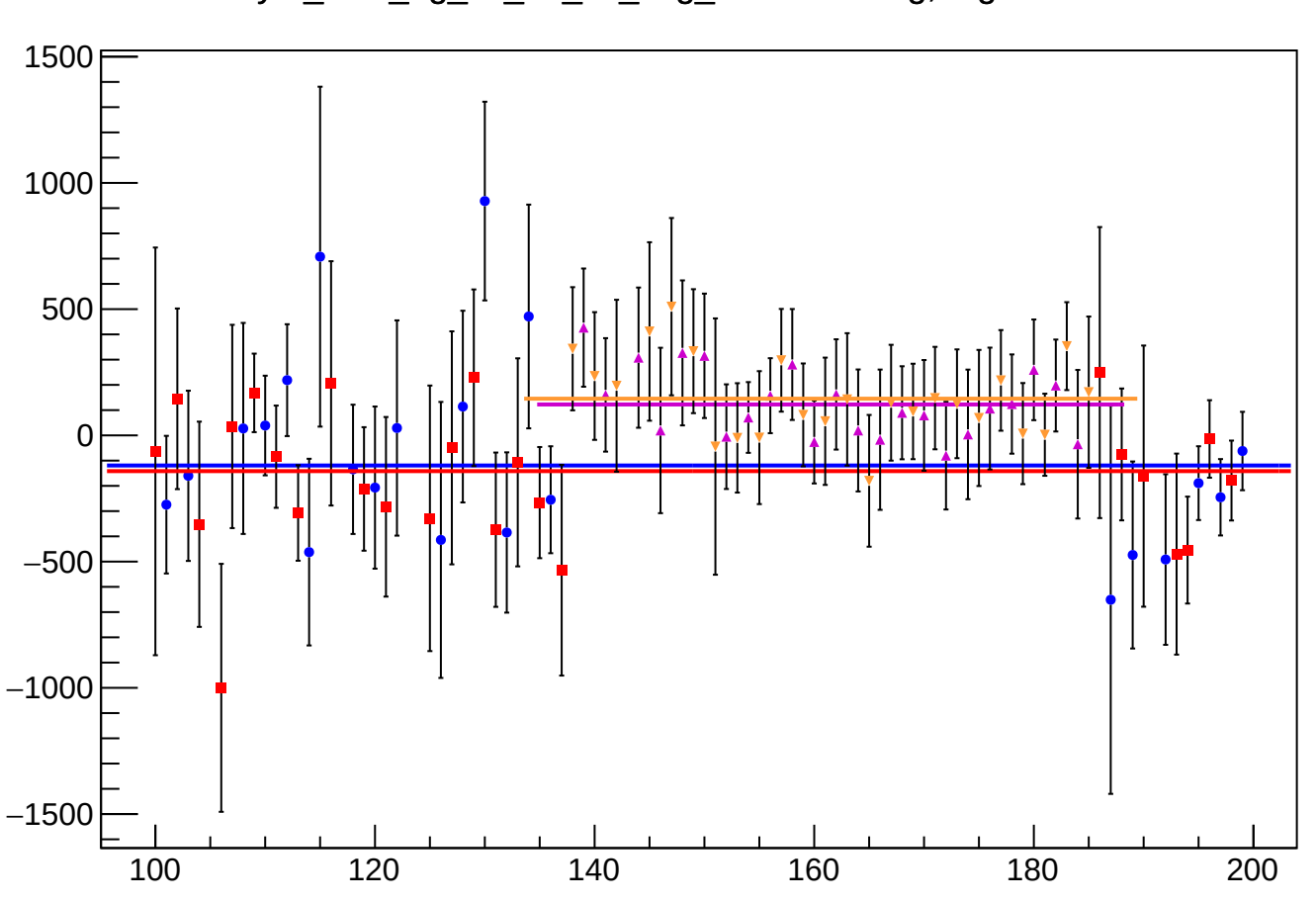
Left: 31.299+/-0.004 χ^2/NDF: 133120.3/46

Right: 30.572+/-0.005 χ^2/NDF: 6815279.1/46

In: 31.050+/-0.004 χ^2/NDF:3358875.9/44

Out: 31.017+/-0.004 χ^2/NDF:3604032.7/48

All: 31.033+/-0.003 χ^2/NDF: 6962939.6/93



Right In: -119.321+/-56.096 χ^2/NDF: 20.3/21

Left Out: 145.314+/-47.390 χ^2/NDF:9.4/23

Right Out: -141.639+/-54.223 χ^2/NDF: 16.9/24

Left In: 122.376+/-44.081 χ^2/NDF:7.9/22

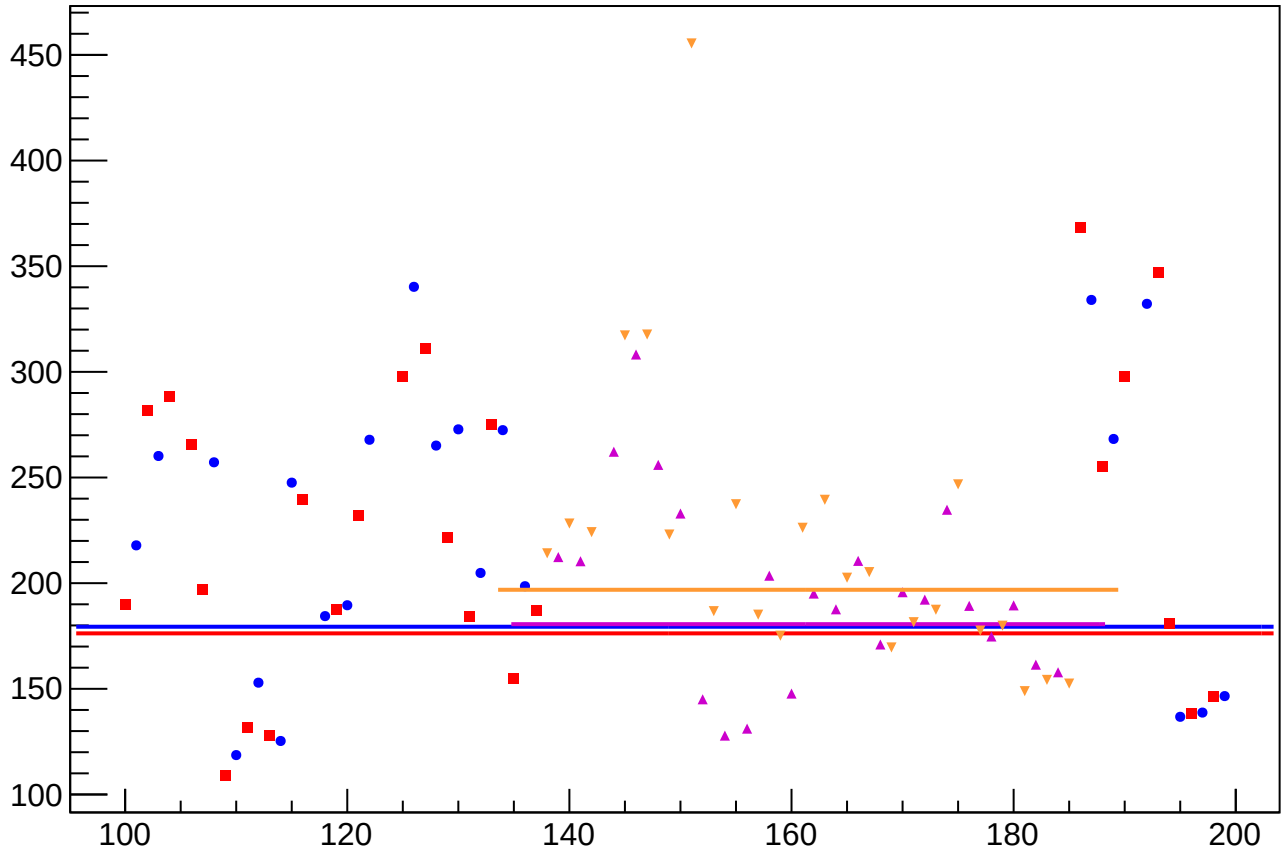
Left: 133.016+/-32.277 χ^2/NDF: 17.4/46

Right: -130.859+/-38.987 χ^2/NDF: 37.3/46

In: 30.106+/-34.660 χ^2/NDF:39.7/44

Out: 21.045+/-35.683 χ^2/NDF:42.2/48

All: 25.707+/-24.862 χ^2/NDF: 81.9/93



Right In: 179.384+/-0.040 χ^2/NDF: 2108679.6/21

Left Out: 196.873+/-0.034 χ^2/NDF:1725106.9/23

Right Out: 176.242+/-0.038 χ^2/NDF: 2614496.6/24

Left In: 180.601+/-0.031 χ^2/NDF:1628072.3/22

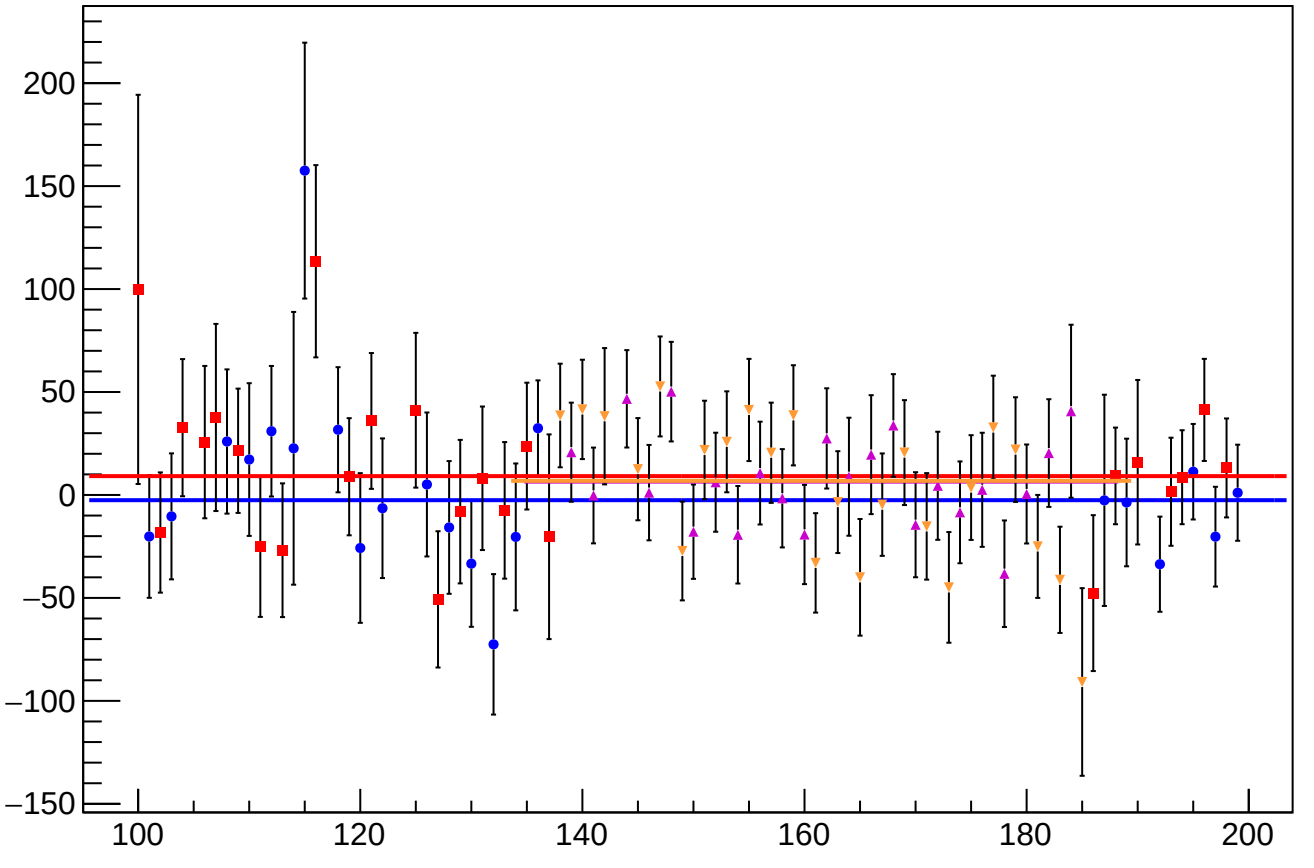
Left: 188.149+/-0.023 χ^2/NDF: 3479589.1/46

Right: 177.760+/-0.028 χ^2/NDF: 4726418.0/46

In: 180.136+/-0.025 χ^2/NDF:3737334.7/44

Out: 187.939+/-0.025 χ^2/NDF:4503747.3/48

All: 183.924+/-0.018 χ^2/NDF: 8290281.1/93



Right In: -2.535+/-6.599 χ^2/NDF: 21.6/21

Left Out: 6.857+/-5.229 χ^2/NDF:36.8/23

Right Out: 9.149+/-6.397 χ^2/NDF: 20.1/24

Left In: 6.482+/-5.247 χ^2/NDF:17.4/22

Left: 6.670+/-3.704 χ^2/NDF: 54.3/46

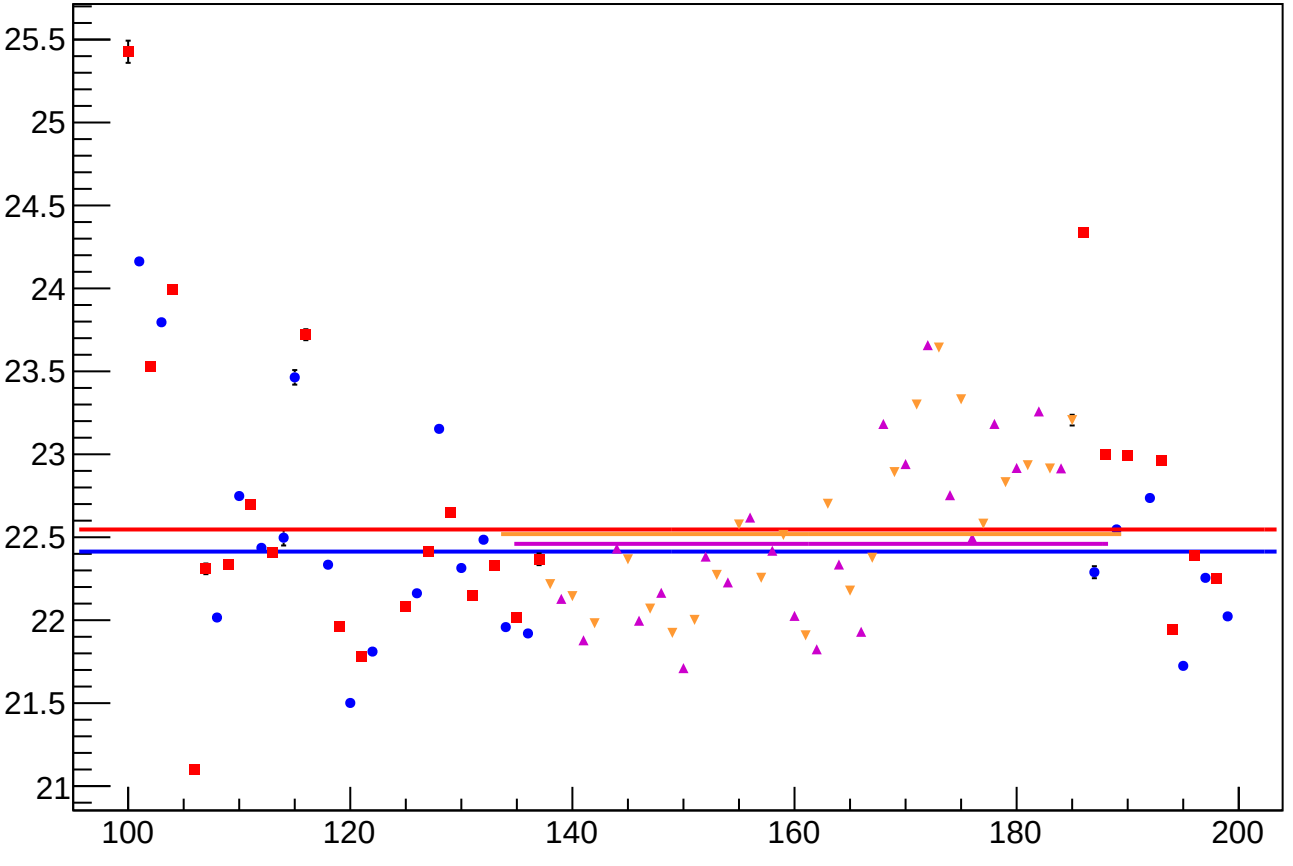
Right: 3.489+/-4.593 χ^2/NDF: 43.4/46

In: 2.990+/-4.107 χ^2/NDF:40.2/44

Out: 7.775+/-4.048 χ^2/NDF:57.0/48

All: 5.417+/-2.883 χ^2/NDF: 97.9/93

asym_bcm_dg_us_an_us_dd_rms vs Slug, Sign Corrected



Right In: 22.414+/-0.005 χ^2/NDF: 19142.0/21

Left Out: 22.519+/-0.004 χ^2/NDF:15998.2/23

Right Out: 22.547+/-0.005 χ^2/NDF: 23430.5/24

Left In: 22.460+/-0.004 χ^2/NDF:19117.2/22

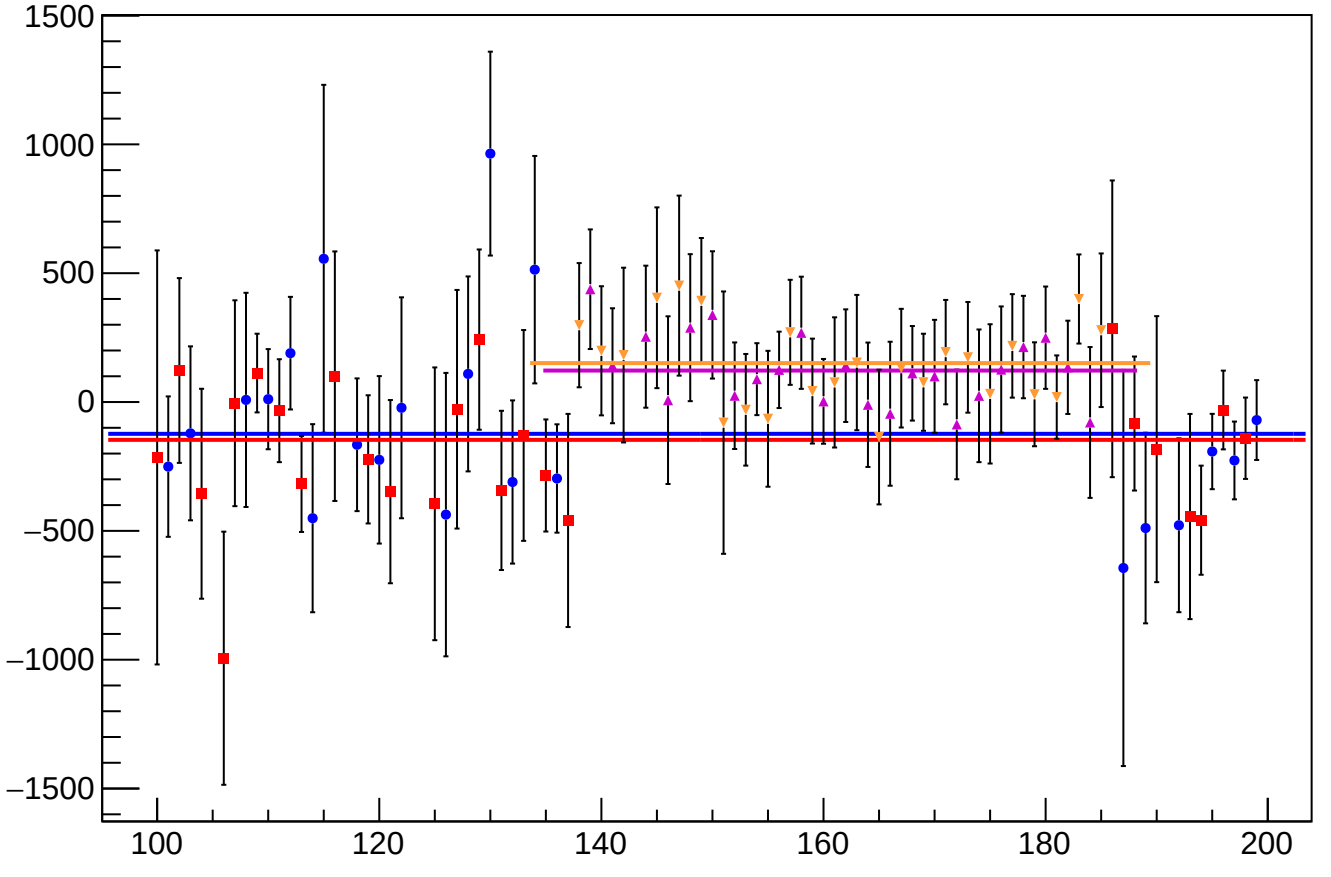
Left: 22.490+/-0.003 χ^2/NDF: 35241.2/46

Right: 22.482+/-0.003 χ^2/NDF: 42992.6/46

In: 22.442+/-0.003 χ^2/NDF:38320.4/44

Out: 22.530+/-0.003 χ^2/NDF:39451.3/48

All: 22.487+/-0.002 χ^2/NDF: 78237.0/93



Right In: -123.398+/-55.925 χ^2/NDF: 19.6/21

Left Out: 151.108+/-47.316 χ^2/NDF:10.0/23

Right Out: -146.753+/-53.928 χ^2/NDF: 15.5/24

Left In: 122.165+/-44.006 χ^2/NDF:7.5/22

Left: 135.589+/-32.224 χ^2/NDF: 17.6/46

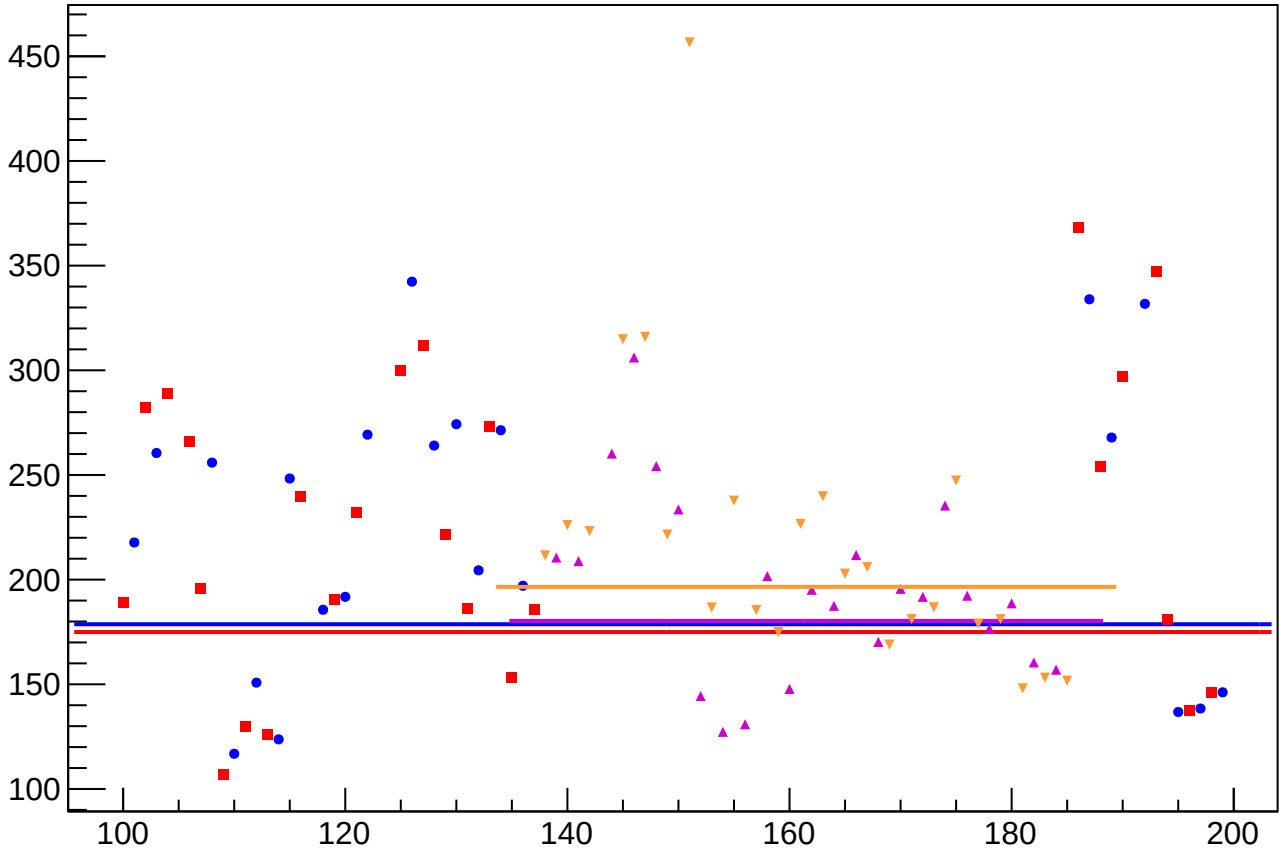
Right: -135.500+/-38.820 χ^2/NDF: 35.1/46

In: 28.261+/-34.583 χ^2/NDF:38.9/44

Out: 21.548+/-35.567 χ^2/NDF:42.7/48

All: 24.999+/-24.794 χ^2/NDF: 81.7/93

asym_bcm_dg_ds_an_us_avg_rms vs Slug, Sign Corrected



Right In: 178.692+/-0.040 χ^2/NDF: 2140053.2/21

Left Out: 196.533+/-0.033 χ^2/NDF:1727888.6/23

Right Out: 174.968+/-0.038 χ^2/NDF: 2689730.3/24

Left In: 180.274+/-0.031 χ^2/NDF:1624682.7/22

Left: 187.815+/-0.023 χ^2/NDF: 3479198.8/46

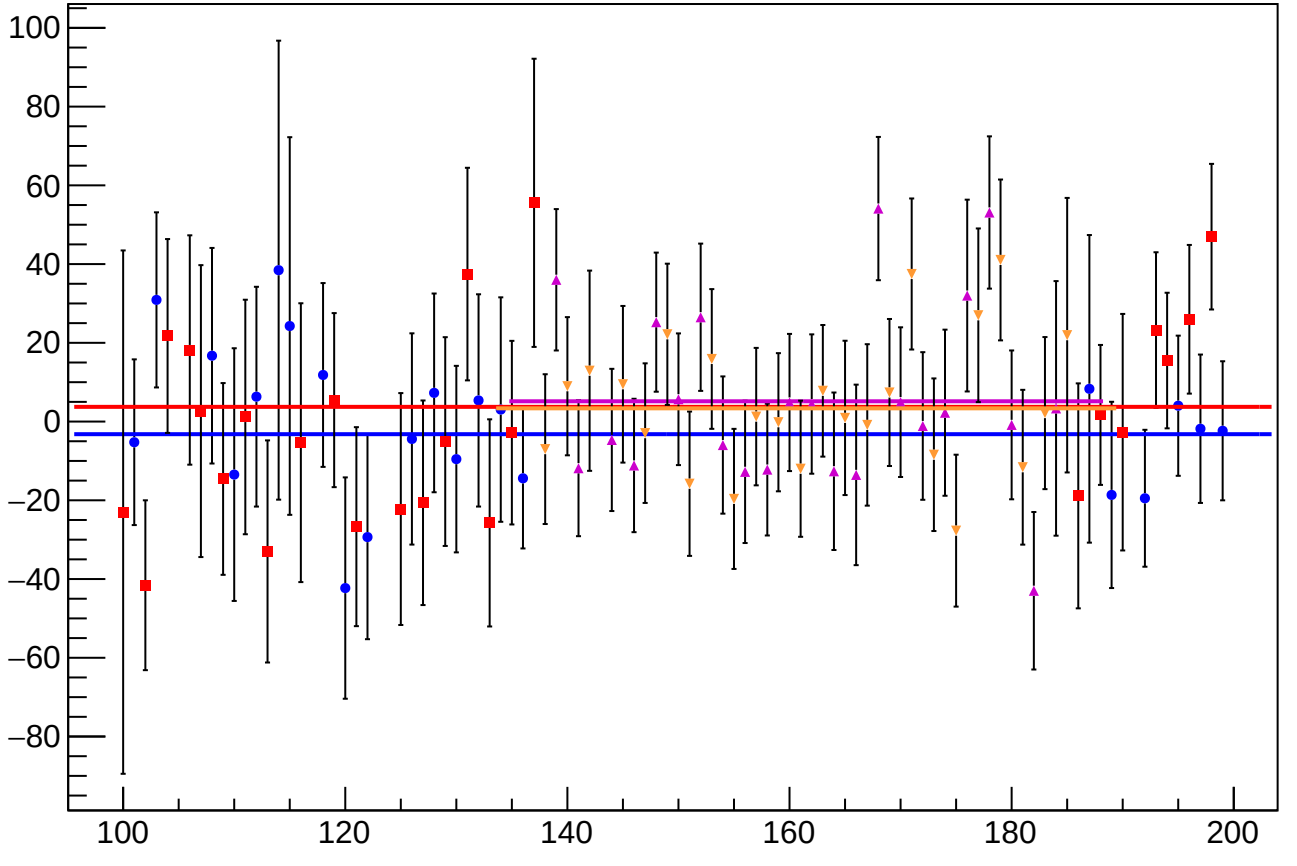
Right: 176.762+/-0.027 χ^2/NDF: 4834379.4/46

In: 179.669+/-0.024 χ^2/NDF:3765724.3/44

Out: 187.153+/-0.025 χ^2/NDF:4598329.9/48

All: 183.306+/-0.018 χ^2/NDF: 8409570.1/93

asym_bcm_dg_ds_an_us_dd_mean vs Slug, Sign Corrected



Right In: -3.206+/-5.089 χ^2/NDF: 9.7/21

Left Out: 3.359+/-3.905 χ^2/NDF:17.7/23

Right Out: 3.737+/-4.937 χ^2/NDF: 24.8/24

Left In: 5.150+/-3.924 χ^2/NDF:32.3/22

Left: 4.250+/-2.768 χ^2/NDF: 50.1/46

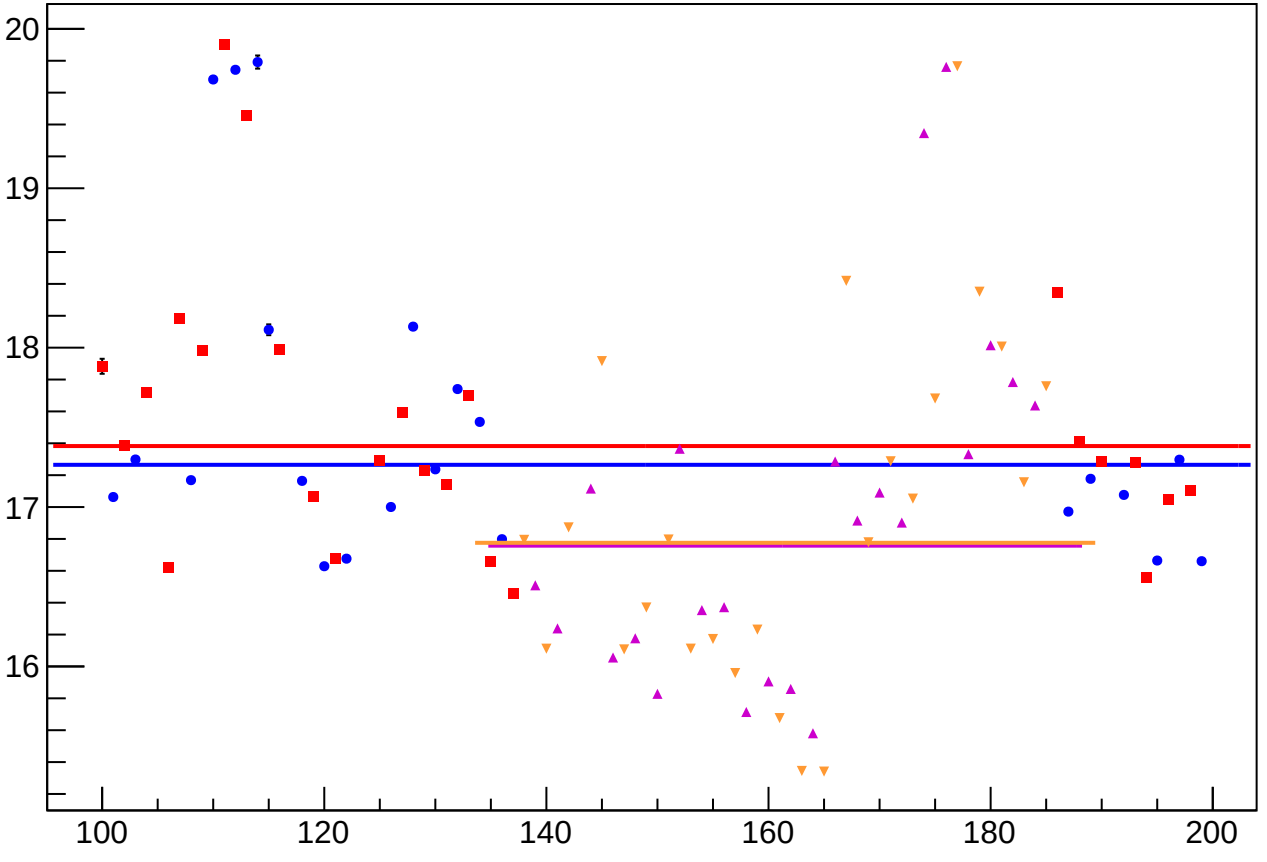
Right: 0.371+/-3.544 χ^2/NDF: 35.4/46

In: 2.035+/-3.108 χ^2/NDF:43.6/44

Out: 3.505+/-3.063 χ^2/NDF:42.5/48

All: 2.780+/-2.181 χ^2/NDF: 86.2/93

asym_bcm_dg_ds_an_us_dd_rms vs Slug, Sign Corrected



Right In: 17.265+/-0.004 χ^2/NDF: 43530.3/21

Left Out: 16.776+/-0.003 χ^2/NDF:136142.5/23

Right Out: 17.383+/-0.003 χ^2/NDF: 43609.2/24

Left In: 16.758+/-0.003 χ^2/NDF:123306.8/22

Left: 16.767+/-0.002 χ^2/NDF: 259470.4/46

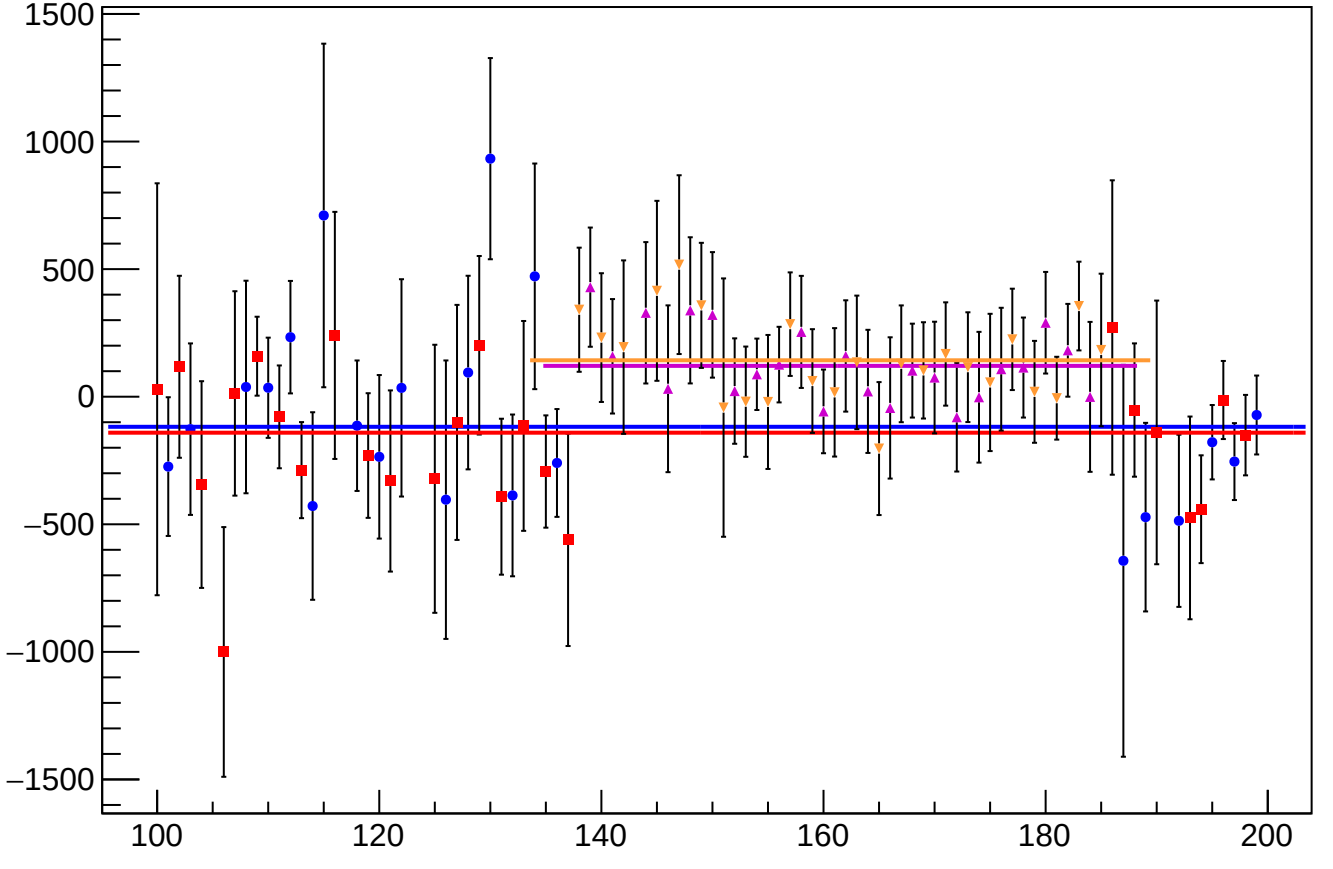
Right: 17.326+/-0.003 χ^2/NDF: 87690.5/46

In: 16.947+/-0.002 χ^2/NDF:179294.5/44

Out: 17.009+/-0.002 χ^2/NDF:198348.5/48

All: 16.979+/-0.002 χ^2/NDF: 378052.1/93

asym_bcm_dg_us_an_ds_avg_mean vs Slug, Sign Corrected



Right In: -117.922+/-55.925 χ^2/NDF: 20.4/21

Left Out: 142.696+/-47.288 χ^2/NDF:10.2/23

Right Out: -141.046+/-54.061 χ^2/NDF: 16.9/24

Left In: 120.888+/-43.994 χ^2/NDF:8.2/22

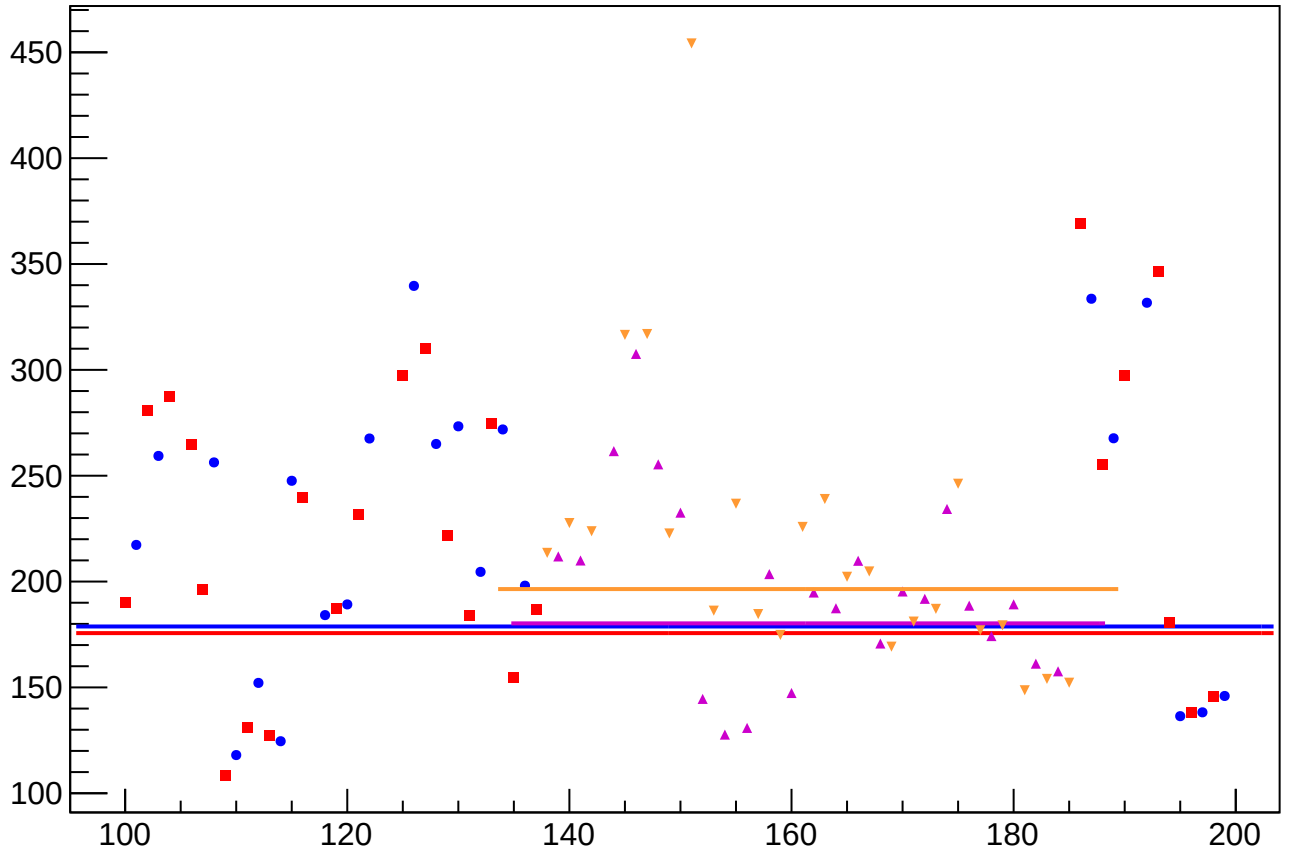
Left: 131.006+/-32.210 χ^2/NDF: 18.5/46

Right: -129.876+/-38.869 χ^2/NDF: 37.4/46

In: 29.596+/-34.577 χ^2/NDF:39.9/44

Out: 19.703+/-35.593 χ^2/NDF:42.6/48

All: 24.793+/-24.801 χ^2/NDF: 82.6/93



Right In: 178.779+/-0.040 χ^2/NDF: 2121906.9/21

Left Out: 196.452+/-0.033 χ^2/NDF:1723529.1/23

Right Out: 175.649+/-0.038 χ^2/NDF: 2631995.1/24

Left In: 180.248+/-0.031 χ^2/NDF:1627777.0/22

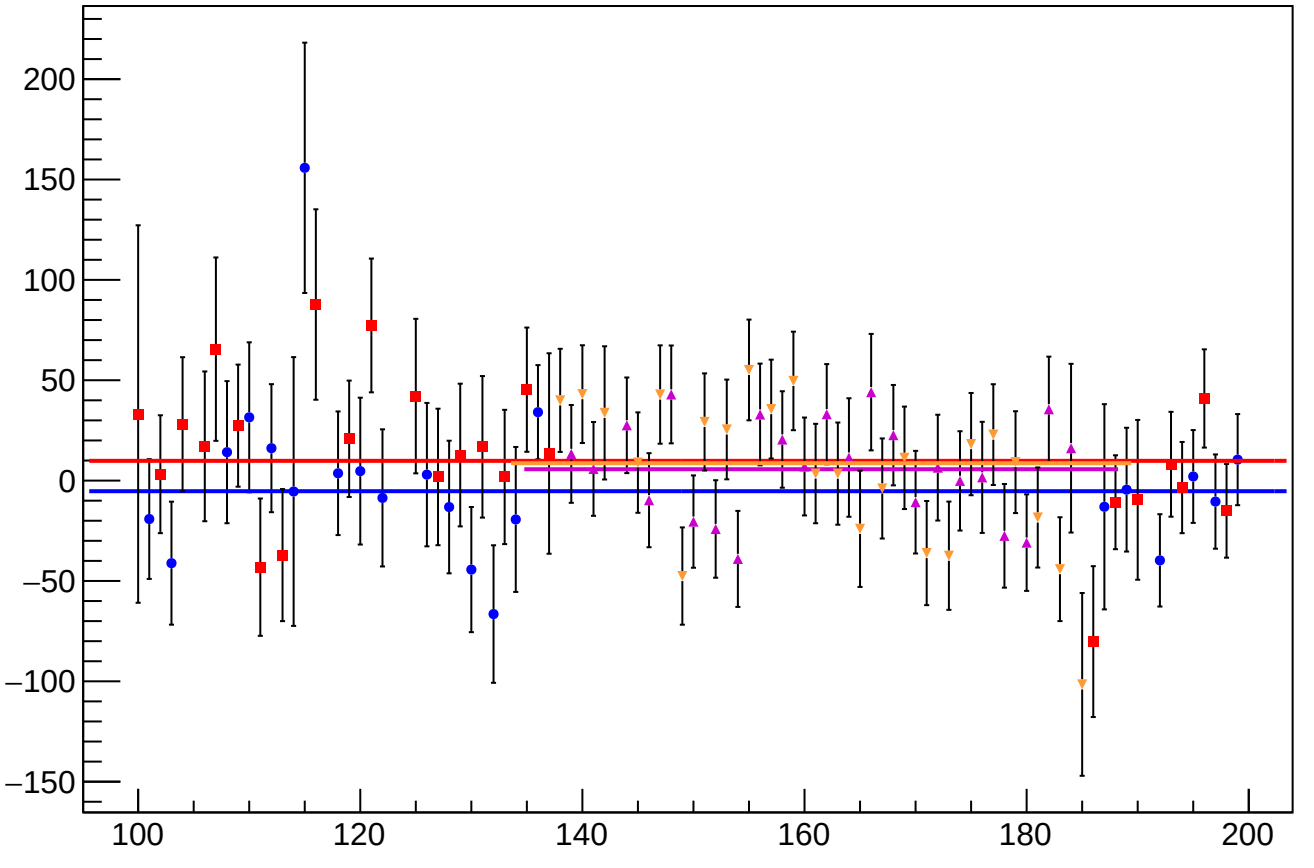
Left: 187.766+/-0.023 χ^2/NDF: 3477190.3/46

Right: 177.161+/-0.027 χ^2/NDF: 4757141.4/46

In: 179.686+/-0.024 χ^2/NDF:3750536.1/44

Out: 187.434+/-0.025 χ^2/NDF:4523309.9/48

All: 183.448+/-0.018 χ^2/NDF: 8322603.9/93



Right In: -5.283+/-6.602 χ^2/NDF: 20.9/21

Left Out: 8.664+/-5.275 χ^2/NDF:39.2/23

Right Out: 9.848+/-6.414 χ^2/NDF: 25.7/24

Left In: 5.668+/-5.286 χ^2/NDF:20.8/22

Left: 7.169+/-3.734 χ^2/NDF: 60.1/46

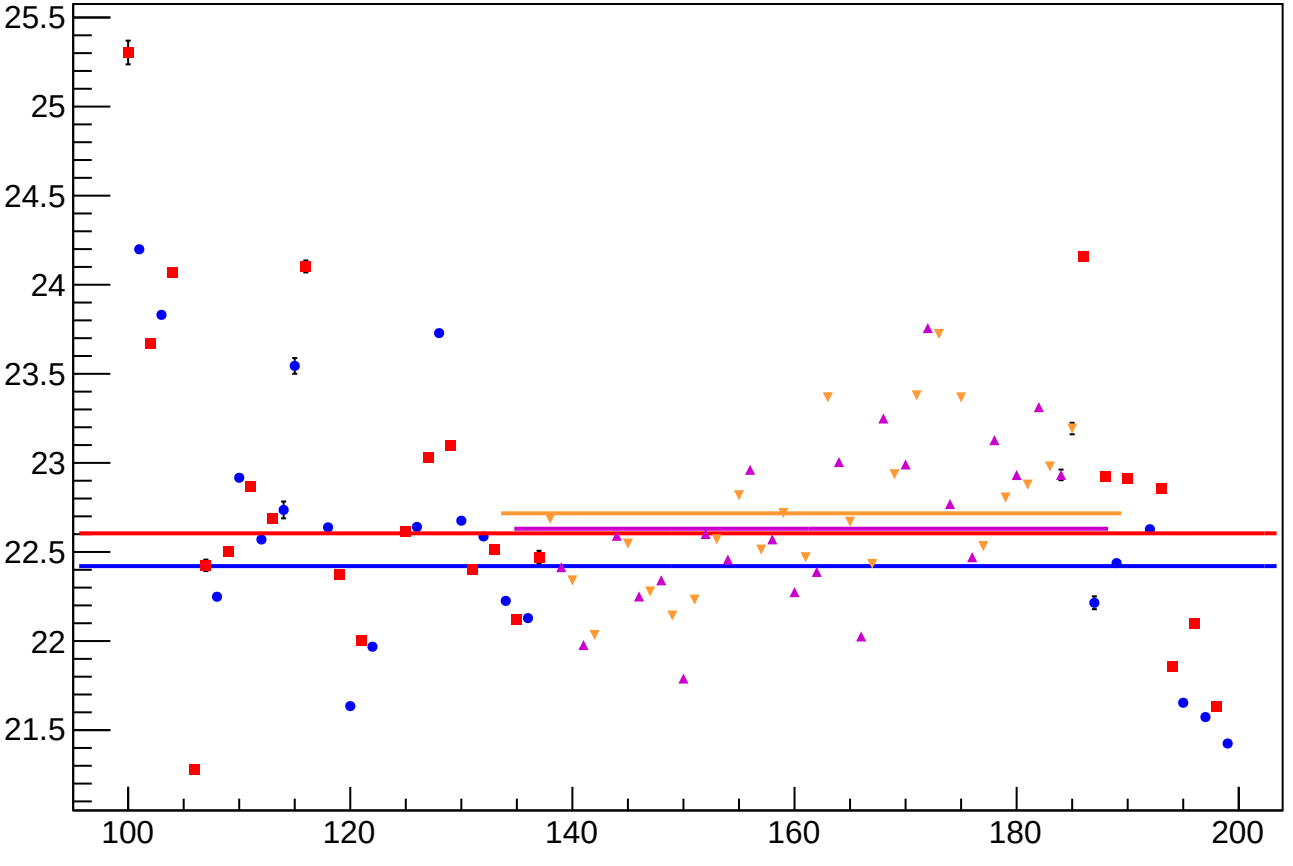
Right: 2.501+/-4.601 χ^2/NDF: 49.3/46

In: 1.390+/-4.127 χ^2/NDF:43.4/44

Out: 9.142+/-4.074 χ^2/NDF:64.9/48

All: 5.316+/-2.899 χ^2/NDF: 110.0/93

asym_bcm_dg_us_an_ds_dd_rms vs Slug, Sign Corrected



Right In: 22.421+/-0.005 χ^2/NDF: 26460.4/21

Left Out: 22.717+/-0.004 χ^2/NDF:12177.5/23

Right Out: 22.605+/-0.005 χ^2/NDF: 25450.8/24

Left In: 22.631+/-0.004 χ^2/NDF:15391.4/22

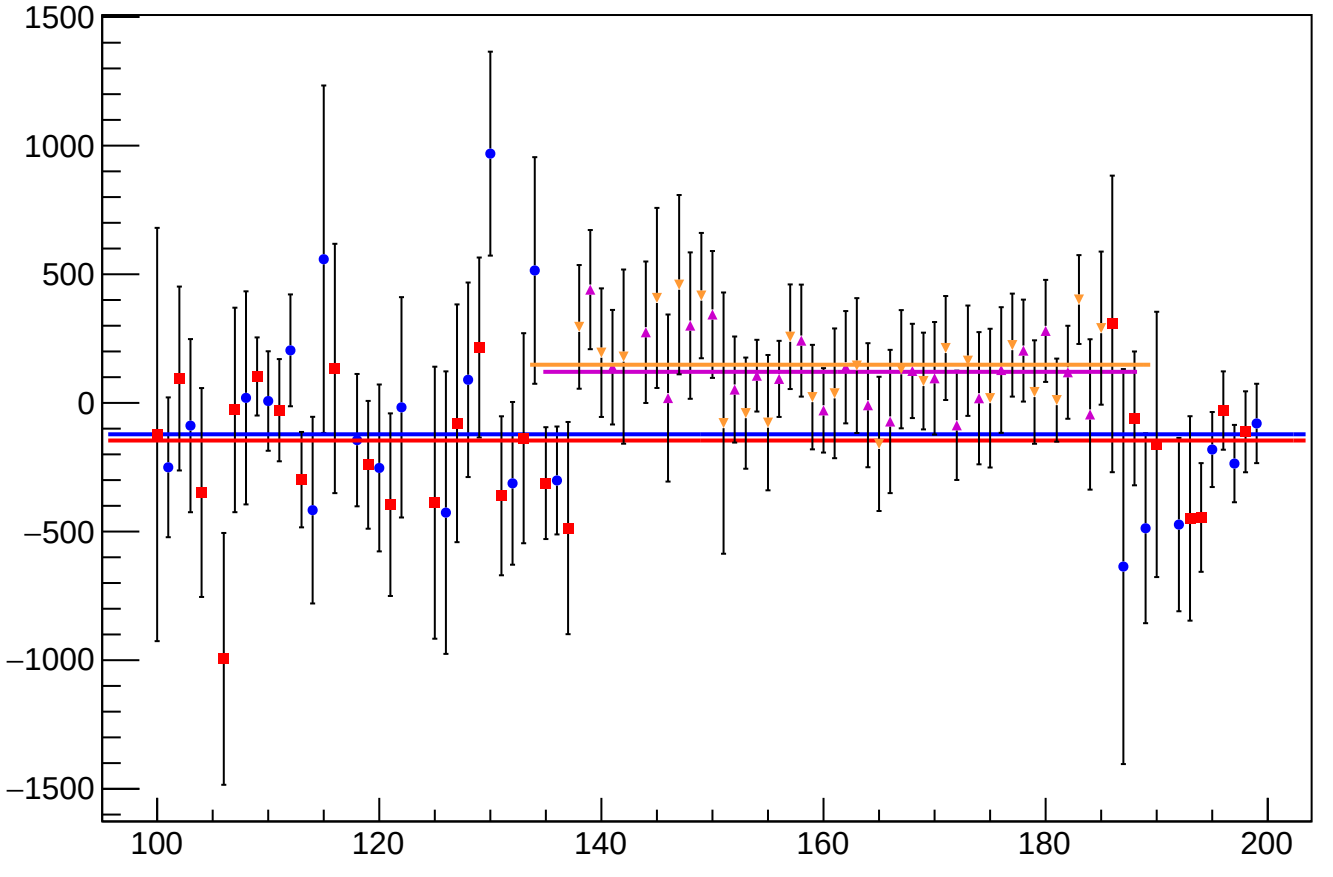
Left: 22.674+/-0.003 χ^2/NDF: 27836.8/46

Right: 22.515+/-0.003 χ^2/NDF: 52710.4/46

In: 22.549+/-0.003 χ^2/NDF:43083.6/44

Out: 22.672+/-0.003 χ^2/NDF:37994.3/48

All: 22.611+/-0.002 χ^2/NDF: 81979.4/93



Right In: -121.969+/-55.751 χ^2/NDF: 19.7/21

Left Out: 148.424+/-47.213 χ^2/NDF:10.9/23

Right Out: -146.147+/-53.764 χ^2/NDF: 15.5/24

Left In: 120.760+/-43.920 χ^2/NDF:7.9/22

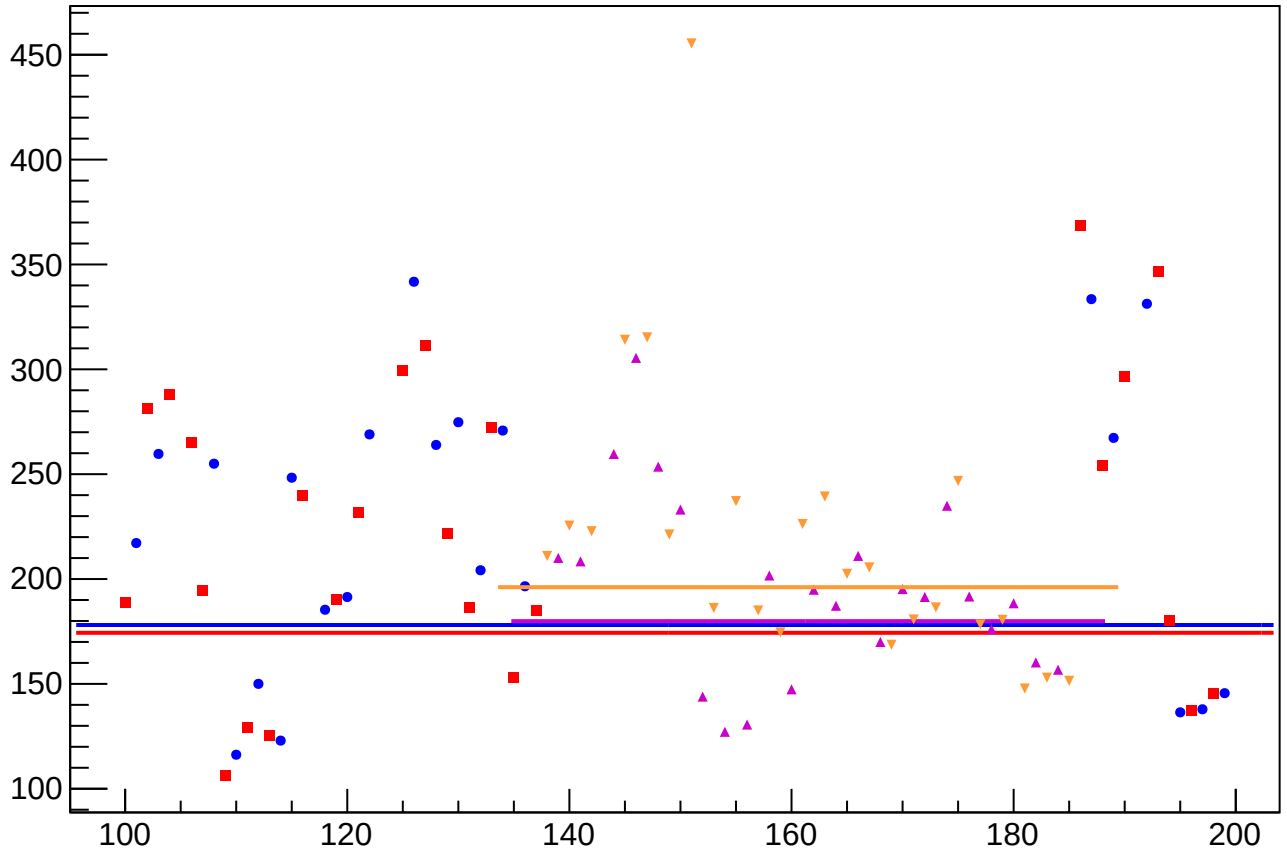
Left: 133.593+/-32.157 χ^2/NDF: 19.0/46

Right: -134.496+/-38.700 χ^2/NDF: 35.2/46

In: 27.808+/-34.500 χ^2/NDF:39.2/44

Out: 20.169+/-35.476 χ^2/NDF:43.3/48

All: 24.095+/-24.733 χ^2/NDF: 82.6/93



Right In: 178.081+/-0.039 χ^2/NDF: 2153845.0/21

Left Out: 196.112+/-0.033 χ^2/NDF:1726285.1/23

Right Out: 174.364+/-0.038 χ^2/NDF: 2708135.1/24

Left In: 179.923+/-0.031 χ^2/NDF:1624144.3/22

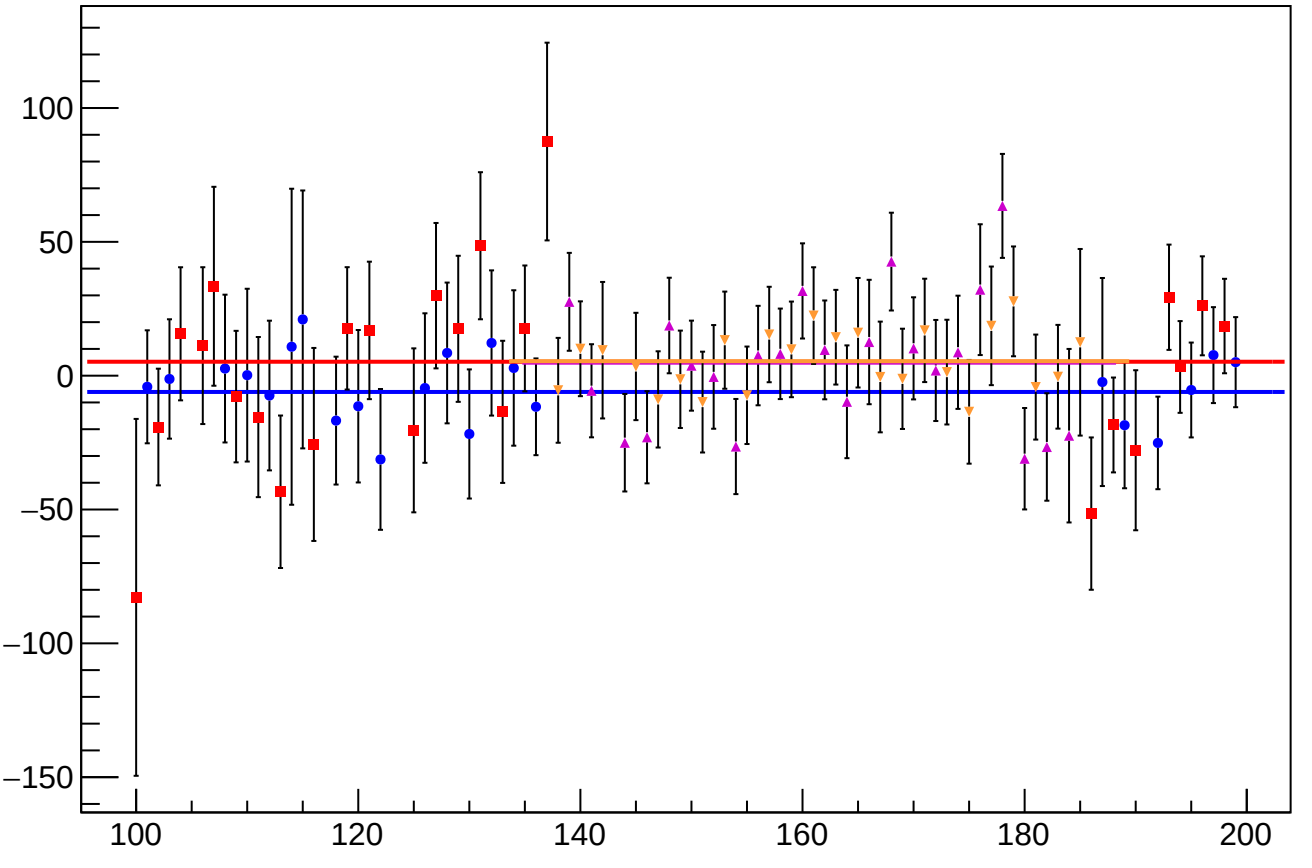
Left: 187.434+/-0.023 χ^2/NDF: 3476487.5/46

Right: 176.155+/-0.027 χ^2/NDF: 4866585.5/46

In: 179.218+/-0.024 χ^2/NDF:3779337.7/44

Out: 186.643+/-0.025 χ^2/NDF:4619193.0/48

All: 182.827+/-0.017 χ^2/NDF: 8443561.6/93



Right In: -6.081+/-5.087 χ^2/NDF: 5.7/21

Left Out: 5.406+/-3.972 χ^2/NDF:7.8/23

Right Out: 5.210+/-4.953 χ^2/NDF: 29.0/24

Left In: 4.858+/-3.980 χ^2/NDF:35.5/22

Left: 5.133+/-2.812 χ^2/NDF: 43.3/46

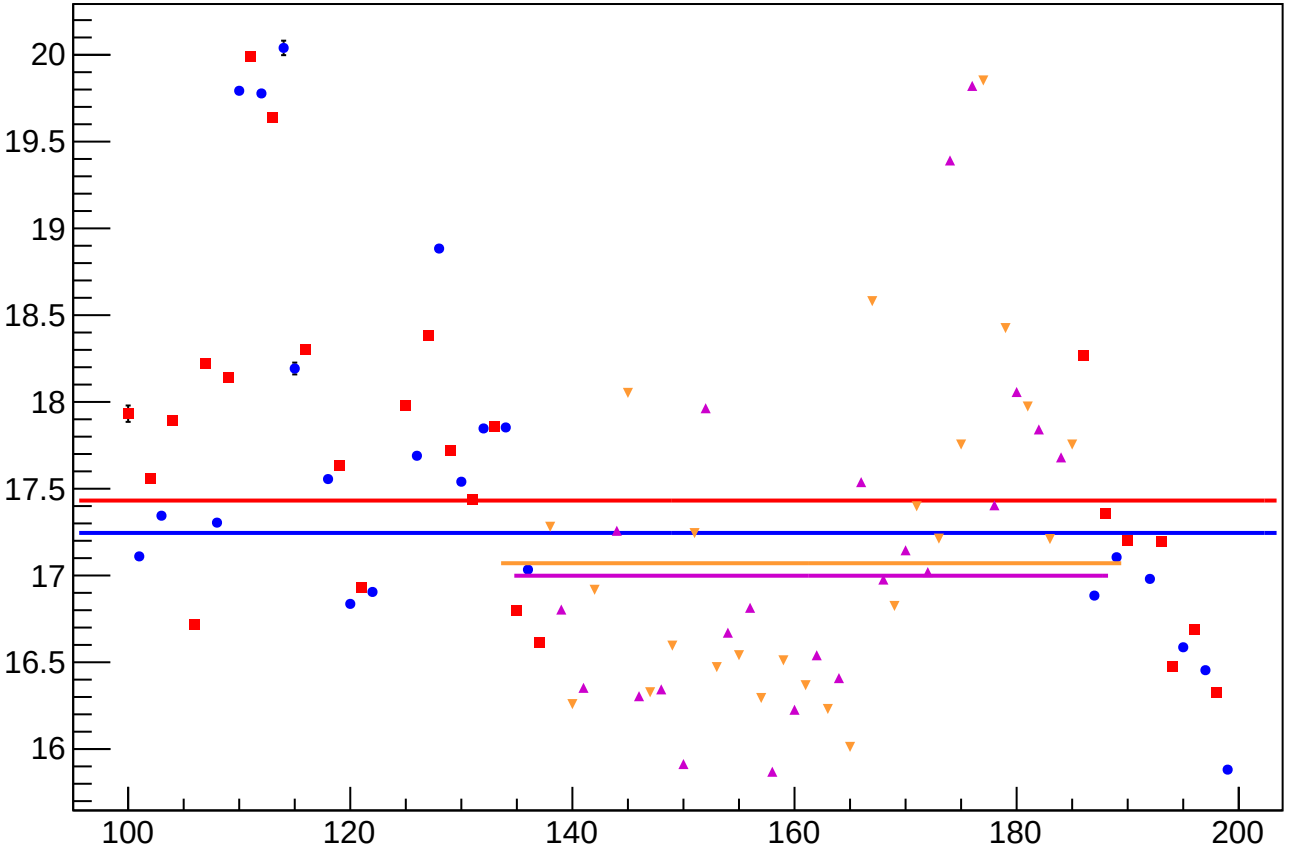
Right: -0.285+/-3.549 χ^2/NDF: 37.2/46

In: 0.704+/-3.135 χ^2/NDF:44.0/44

Out: 5.329+/-3.099 χ^2/NDF:36.8/48

All: 3.043+/-2.204 χ^2/NDF: 81.9/93

asym_bcm_dg_ds_an_ds_dd_rms vs Slug, Sign Corrected



Right In: 17.245+/-0.004 χ^2/NDF: 66546.6/21

Left Out: 17.071+/-0.003 χ^2/NDF:96312.6/23

Right Out: 17.432+/-0.004 χ^2/NDF: 59050.6/24

Left In: 16.999+/-0.003 χ^2/NDF:104021.0/22

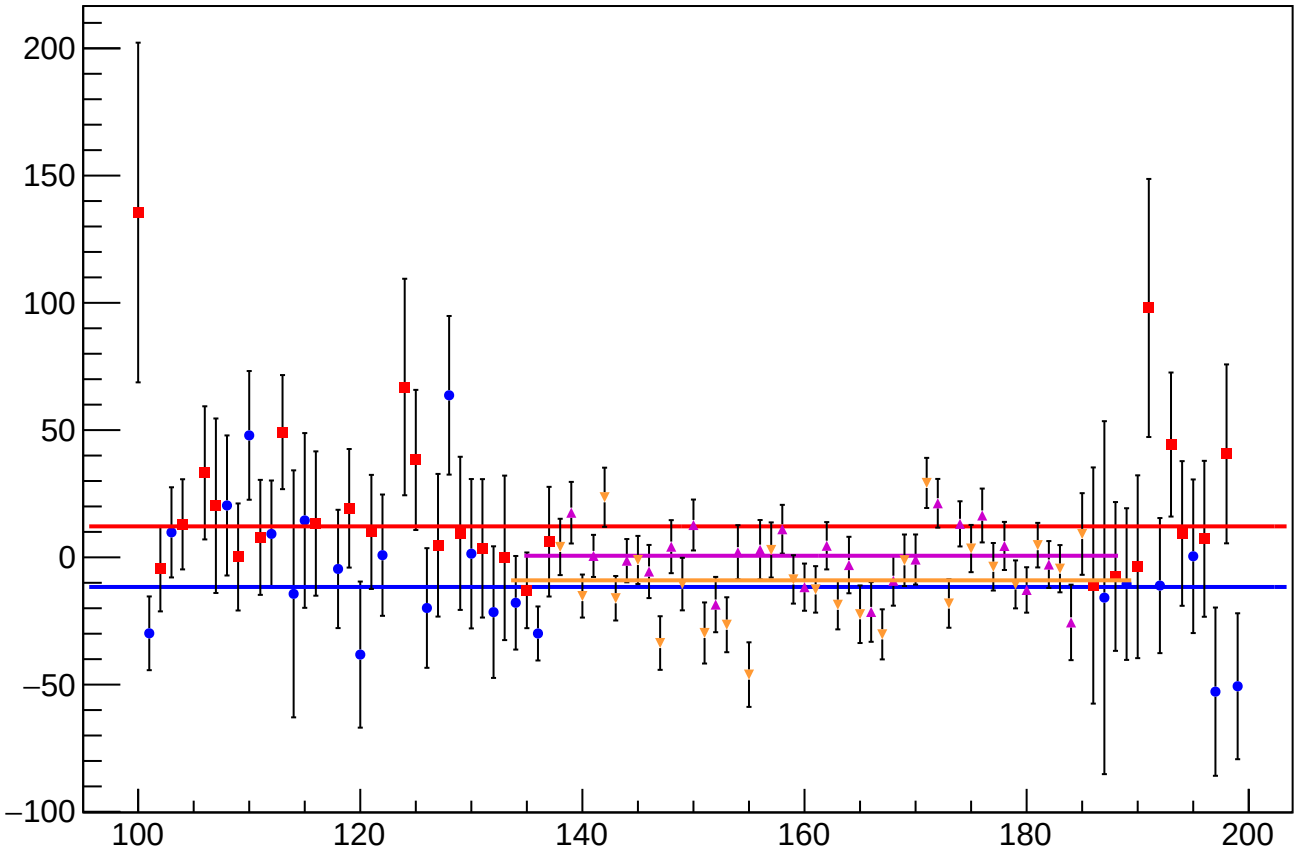
Left: 17.035+/-0.002 χ^2/NDF: 200661.3/46

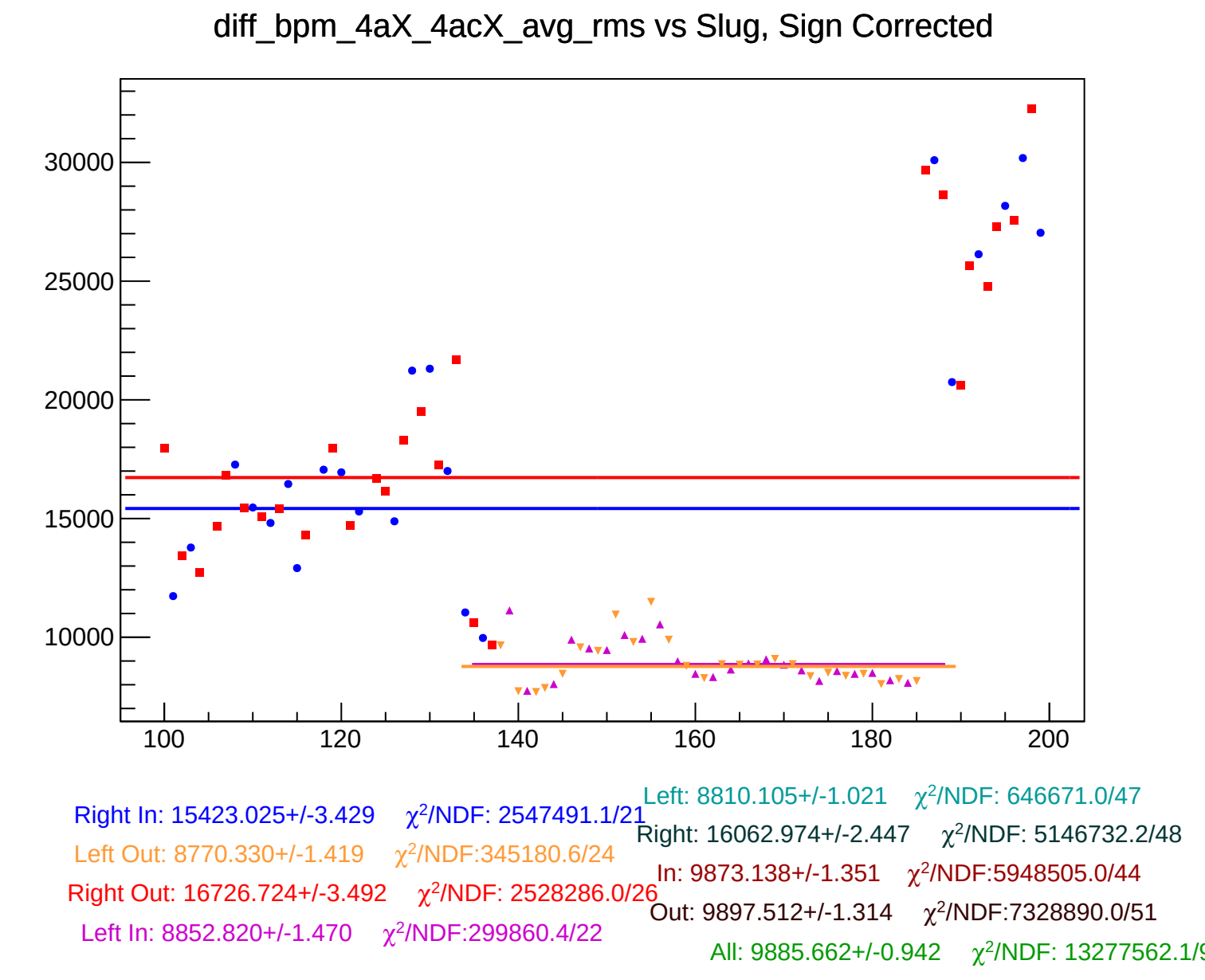
Right: 17.341+/-0.003 χ^2/NDF: 126977.9/46

In: 17.092+/-0.002 χ^2/NDF:173481.8/44

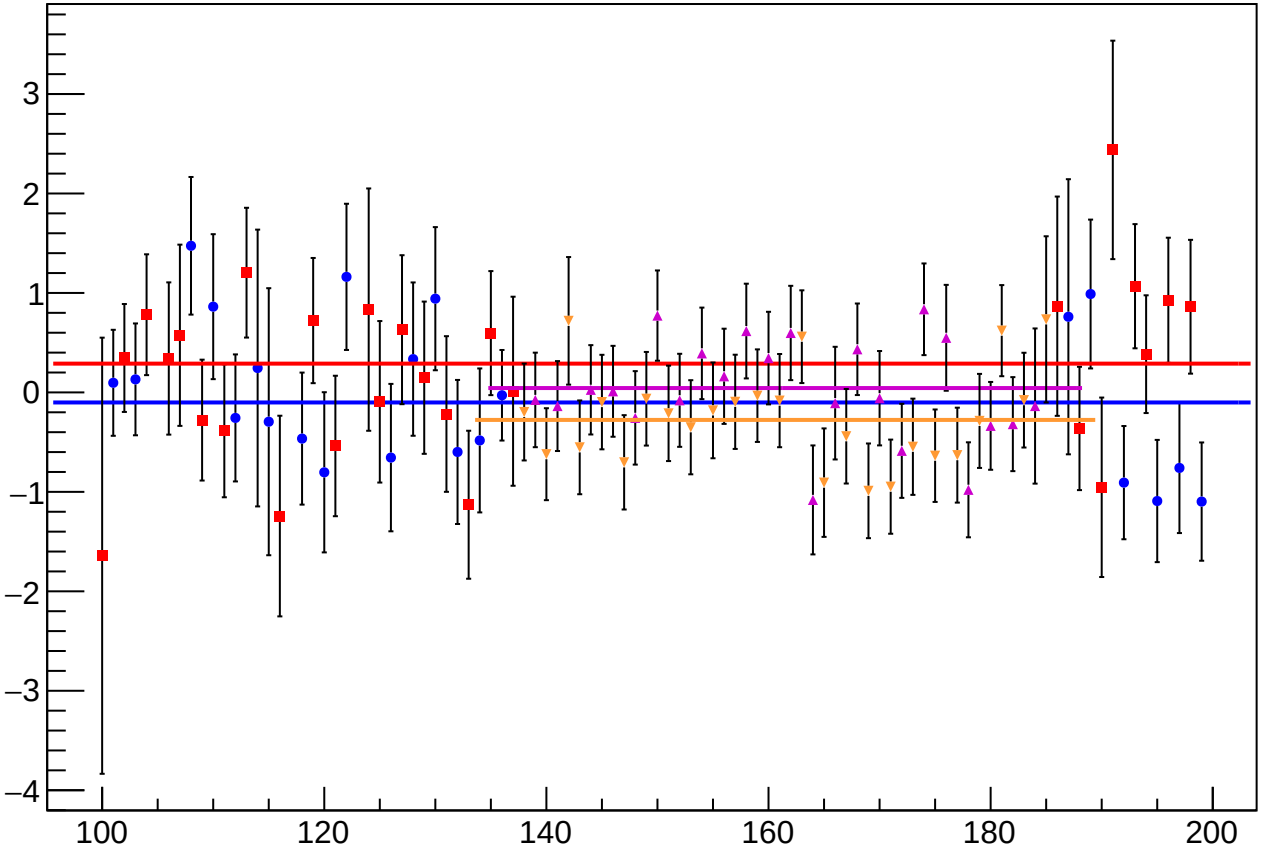
Out: 17.212+/-0.002 χ^2/NDF:161833.2/48

All: 17.153+/-0.002 χ^2/NDF: 336789.5/93


diff_bpm_4aX_4acX_avg_mean vs Slug, Sign Corrected
200
150
100
50
0
−50
−100
100
120
140
160
180
200
Right In: -11.636+/-4.849 χ²/NDF: 25.7/21
Left Out: -9.027+/-2.006 χ²/NDF:62.0/24
Right Out: 12.174+/-4.939 χ²/NDF: 19.9/26
Left In: 0.628+/-2.079 χ²/NDF:29.5/22
Left: -4.372+/-1.444 χ²/NDF: 102.7/47
Right: 0.052+/-3.460 χ²/NDF: 57.4/48
In: -1.277+/-1.911 χ²/NDF:60.6/44
Out: -6.024+/-1.859 χ²/NDF:97.7/51
All: -3.716+/-1.332 χ²/NDF: 161.5/96


diff_bpm_4aX_4acX_avg_rms vs Slug, Sign Corrected
30000
25000
20000
15000
10000
100
120
140
160
180
200
Right In: 15423.025+/-3.429 χ²/NDF: 2547491.1/21
Left Out: 8770.330+/-1.419 χ²/NDF:345180.6/24
Right Out: 16726.724+/-3.492 χ²/NDF: 2528286.0/26
Left In: 8852.820+/-1.470 χ²/NDF:299860.4/22
Left: 8810.105+/-1.021 χ²/NDF: 646671.0/47
Right: 16062.974+/-2.447 χ²/NDF: 5146732.2/48
In: 9873.138+/-1.351 χ²/NDF:5948505.0/44
Out: 9897.512+/-1.314 χ²/NDF:7328890.0/51
All: 9885.662+/-0.942 χ²/NDF: 13277562.1/9

diff_bpm_4aX_4acX_dd_mean vs Slug, Sign Corrected



Right In: -0.101+/-0.146 χ^2/NDF: 26.1/21

Left Out: -0.277+/-0.097 χ^2/NDF:21.0/24

Right Out: 0.289+/-0.141 χ^2/NDF: 25.0/26

Left In: 0.044+/-0.100 χ^2/NDF:23.8/22

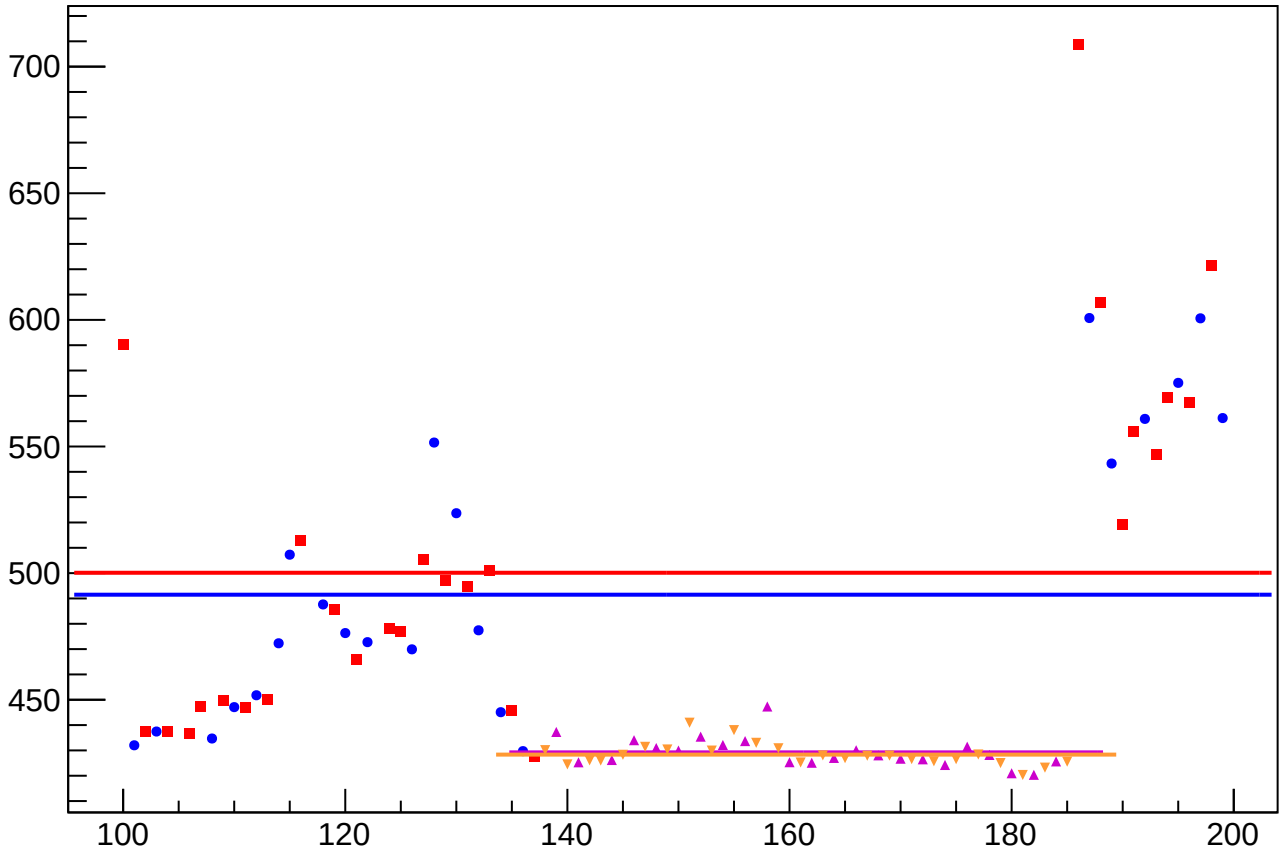
Left: -0.121+/-0.070 χ^2/NDF: 50.1/47

Right: 0.101+/-0.101 χ^2/NDF: 54.8/48

In: -0.003+/-0.083 χ^2/NDF:50.6/44

Out: -0.094+/-0.080 χ^2/NDF:57.0/51

All: -0.050+/-0.057 χ^2/NDF: 108.2/96



Right In: 491.484+/-0.103 χ^2/NDF: 310287.2/21

Left Out: 428.343+/-0.069 χ^2/NDF:4016.5/24

Right Out: 500.148+/-0.100 χ^2/NDF: 408610.3/26

Left In: 429.228+/-0.071 χ^2/NDF:6749.9/22

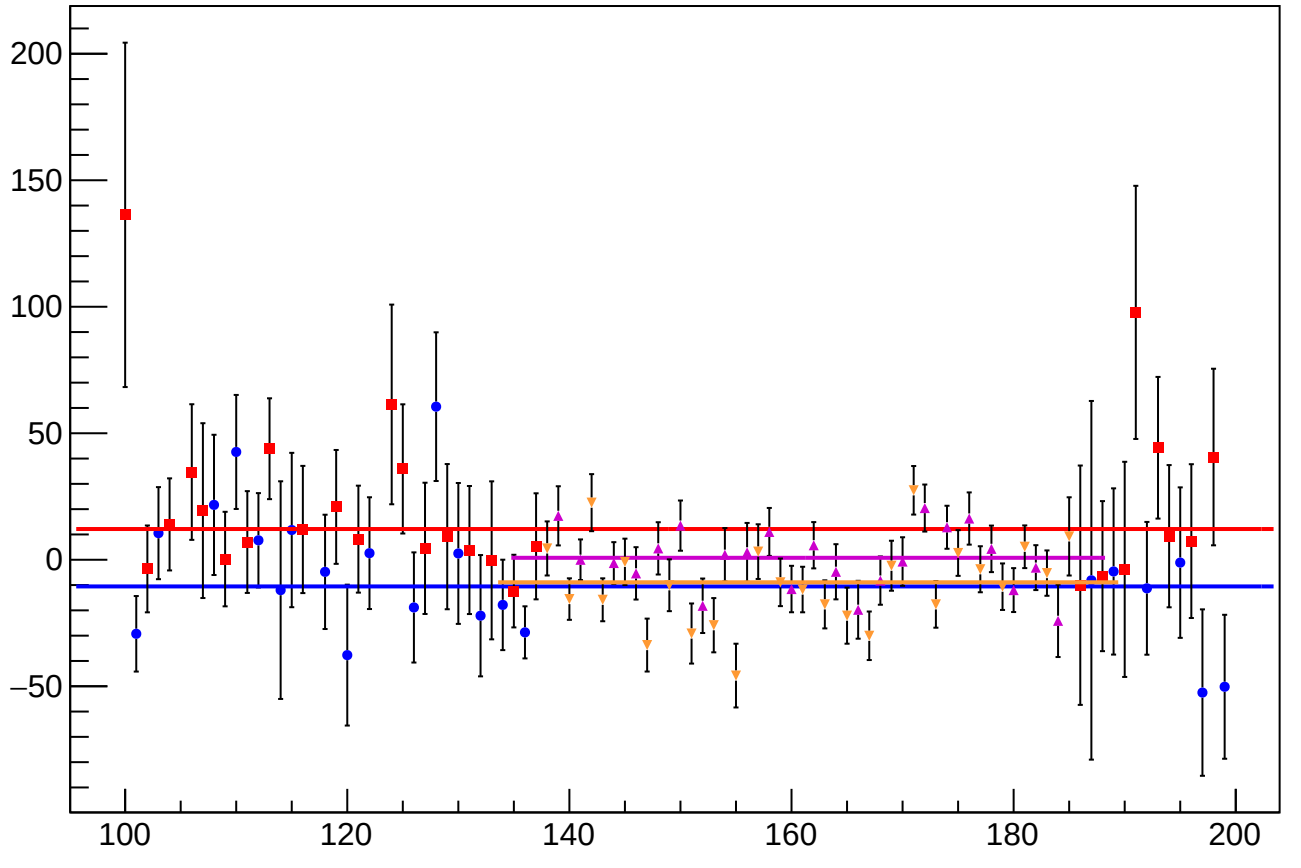
Left: 428.772+/-0.049 χ^2/NDF: 10846.7/47

Right: 495.965+/-0.072 χ^2/NDF: 722555.4/48

In: 449.231+/-0.058 χ^2/NDF:564945.7/44

Out: 451.561+/-0.057 χ^2/NDF:764784.9/51

All: 450.432+/-0.041 χ^2/NDF: 1330551.5/96



Right In: -10.540+/-4.698 χ^2/NDF: 26.1/21

Left Out: -8.904+/-1.961 χ^2/NDF:61.6/24

Right Out: 12.151+/-4.763 χ^2/NDF: 19.6/26

Left In: 0.773+/-2.034 χ^2/NDF:29.3/22

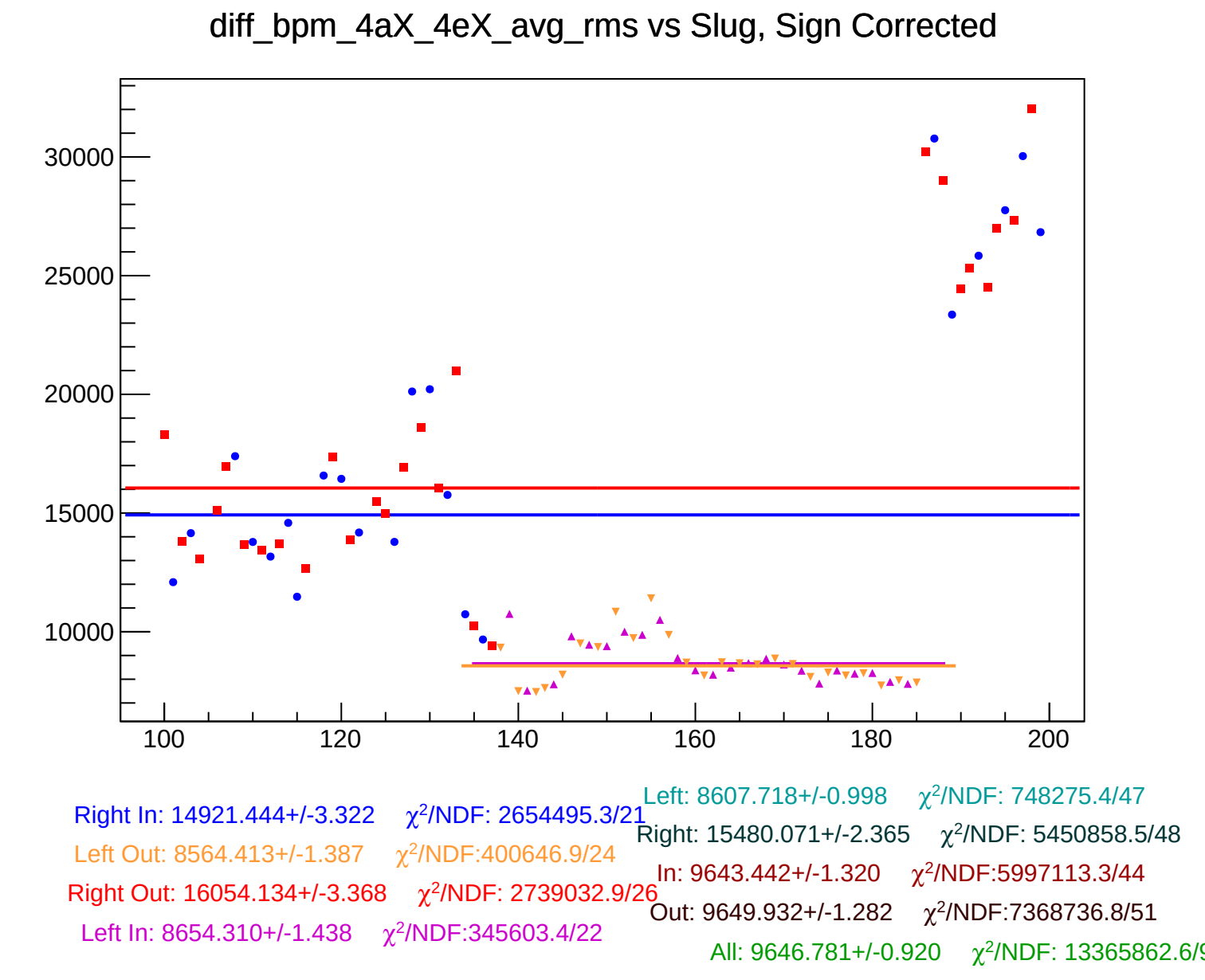
Left: -4.243+/-1.412 χ^2/NDF: 102.6/47

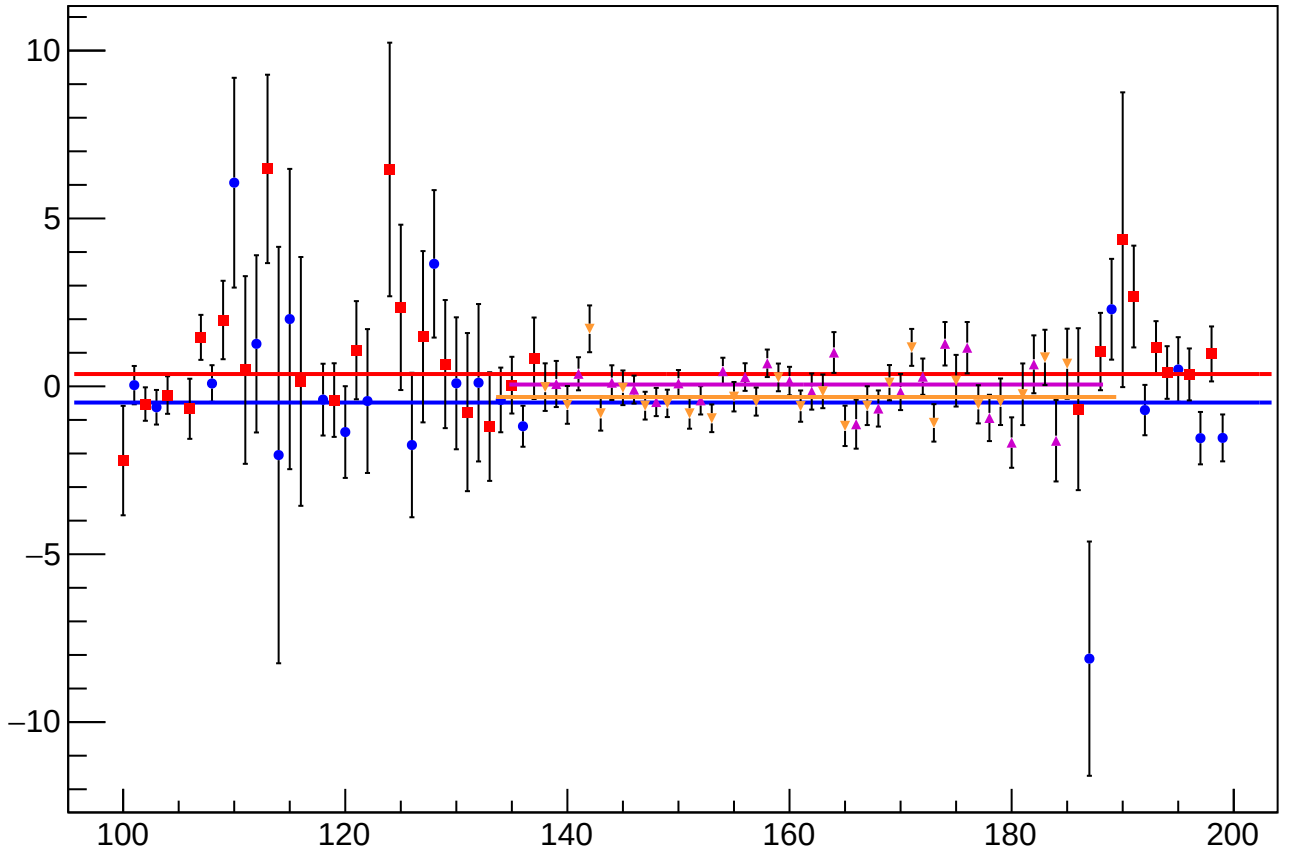
Right: 0.651+/-3.345 χ^2/NDF: 57.3/48

In: -1.013+/-1.867 χ^2/NDF:60.3/44

Out: -5.853+/-1.813 χ^2/NDF:97.9/51

All: -3.503+/-1.301 χ^2/NDF: 161.7/96


diff_bpm_4aX_4eX_avg_rms vs Slug, Sign Corrected
30000
25000
20000
15000
10000
100
120
140
160
180
200
Right In: 14921.444+/-3.322 χ²/NDF: 2654495.3/21
Left Out: 8564.413+/-1.387 χ²/NDF:400646.9/24
Right Out: 16054.134+/-3.368 χ²/NDF: 2739032.9/26
Left In: 8654.310+/-1.438 χ²/NDF:345603.4/22
Left: 8607.718+/-0.998 χ²/NDF: 748275.4/47
Right: 15480.071+/-2.365 χ²/NDF: 5450858.5/48
In: 9643.442+/-1.320 χ²/NDF:5997113.3/44
Out: 9649.932+/-1.282 χ²/NDF:7368736.8/51
All: 9646.781+/-0.920 χ²/NDF: 13365862.6/9



Right In: -0.482+/-0.205 χ^2/NDF: 26.4/21

Left Out: -0.318+/-0.106 χ^2/NDF:32.3/24

Right Out: 0.367+/-0.202 χ^2/NDF: 28.5/26

Left In: 0.054+/-0.108 χ^2/NDF:29.8/22

Left: -0.136+/-0.076 χ^2/NDF: 68.1/47

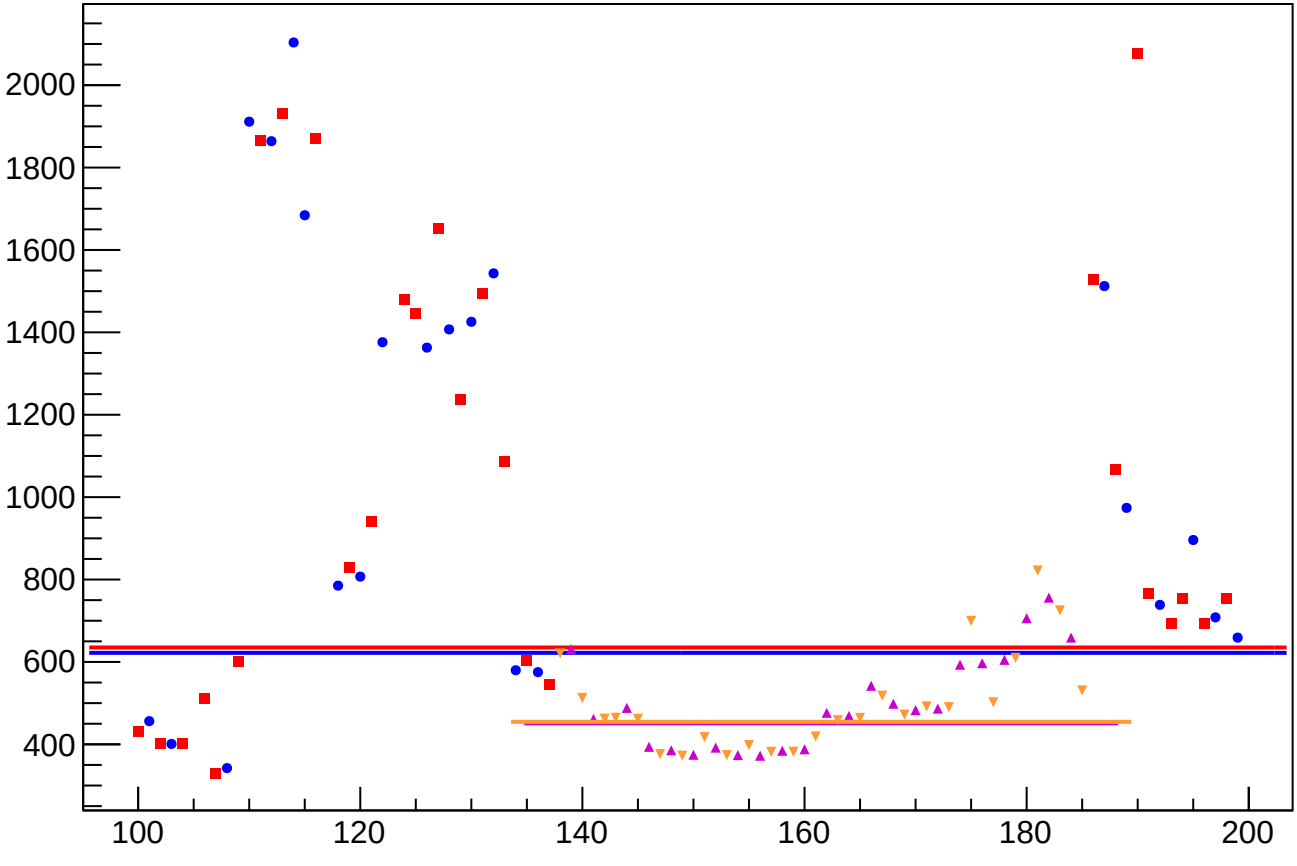
Right: -0.052+/-0.144 χ^2/NDF: 63.6/48

In: -0.063+/-0.096 χ^2/NDF:61.6/44

Out: -0.170+/-0.094 χ^2/NDF:69.8/51

All: -0.117+/-0.067 χ^2/NDF: 132.0/96

diff_bpm_4aX_4eX_dd_rms vs Slug, Sign Corrected



Right In: 622.097+/-0.145 χ^2/NDF: 4038207.1/21

Left Out: 454.697+/-0.075 χ^2/NDF:1451363.0/24

Right Out: 635.055+/-0.143 χ^2/NDF: 4630101.0/26

Left In: 450.767+/-0.076 χ^2/NDF:1471497.9/22

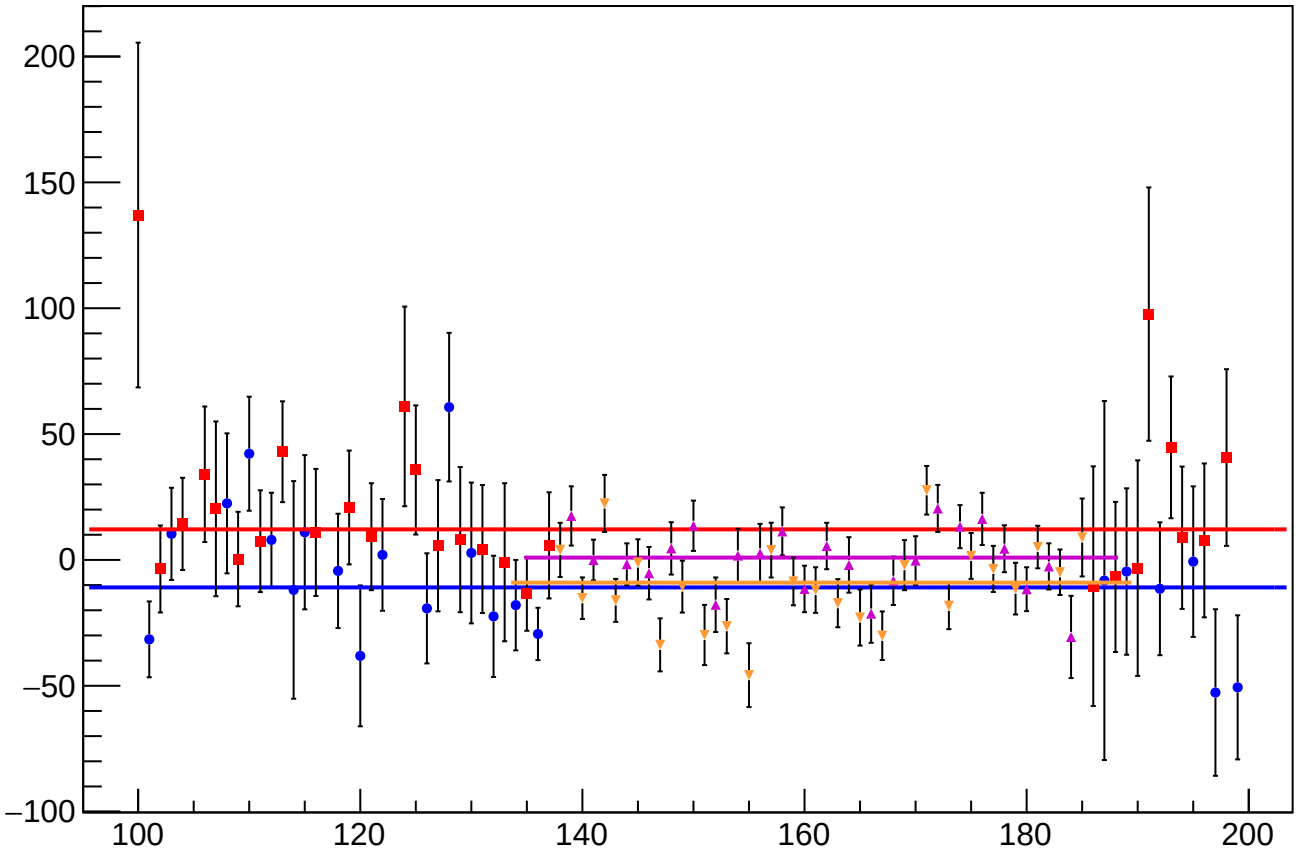
Left: 452.772+/-0.054 χ^2/NDF: 2924208.1/47

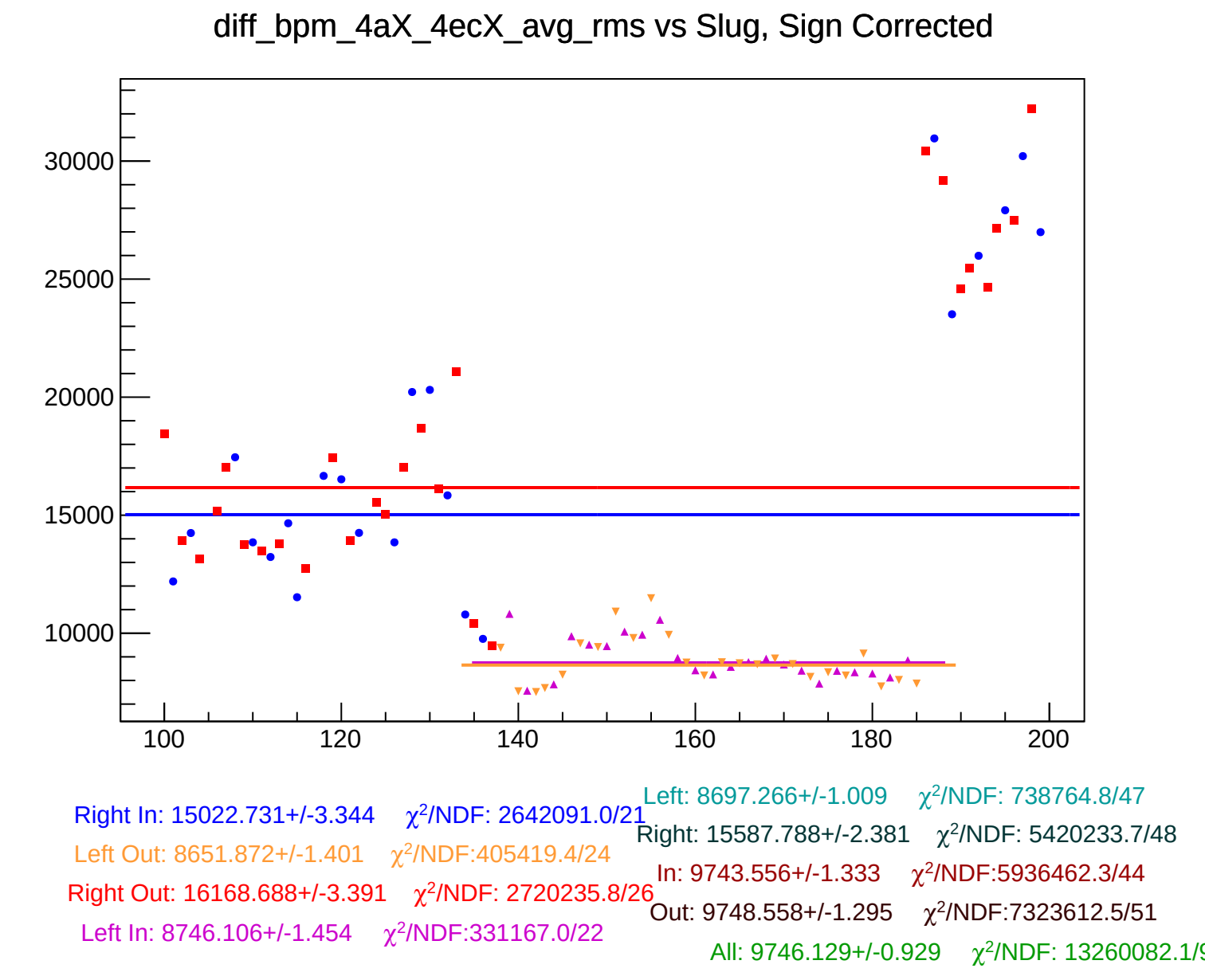
Right: 628.668+/-0.102 χ^2/NDF: 8672370.7/48

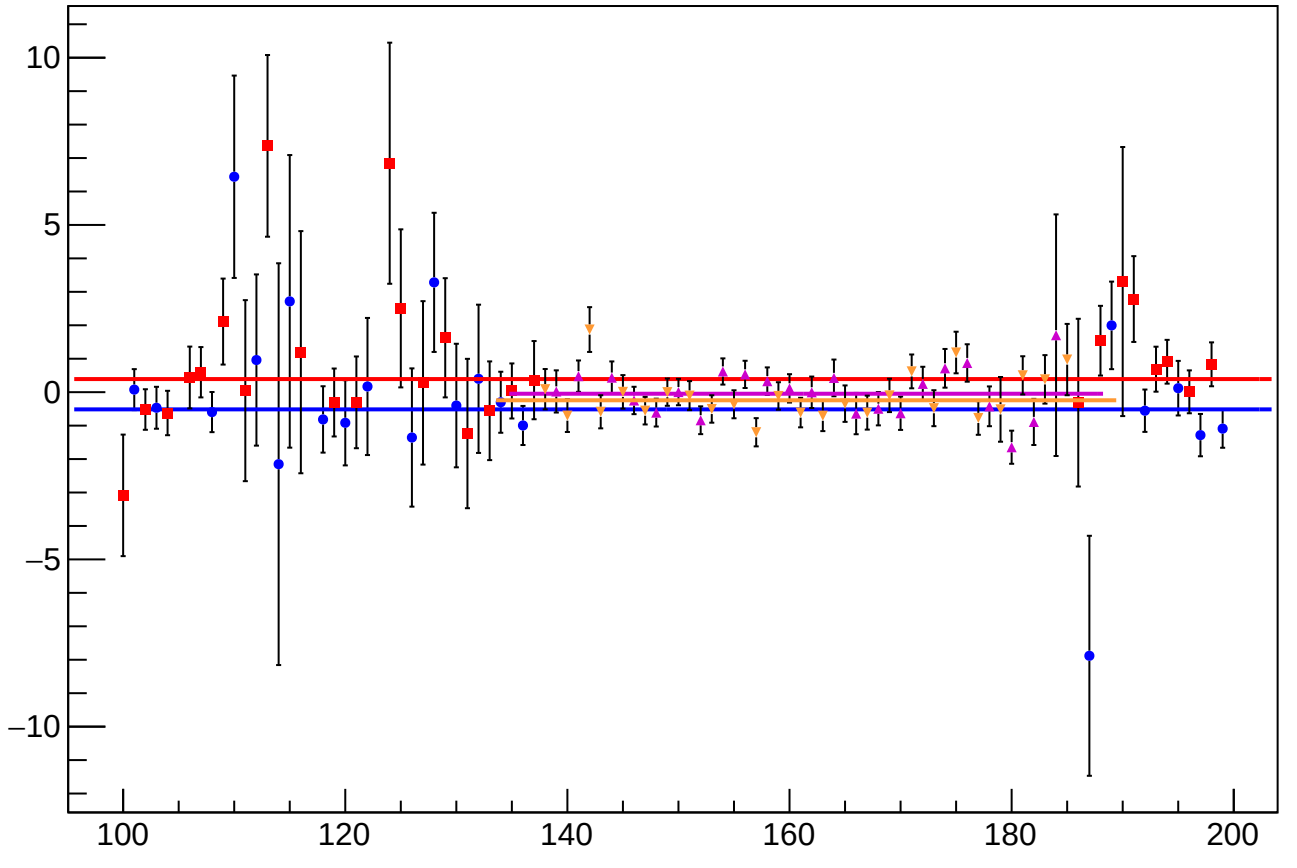
In: 488.136+/-0.068 χ^2/NDF:6604734.9/44

Out: 493.669+/-0.066 χ^2/NDF:7333185.1/51

All: 490.955+/-0.047 χ^2/NDF: 13941331.9/96


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: -10.920+/-4.729 χ²/NDF: 26.5/21
Left Out: -9.001+/-1.982 χ²/NDF:61.3/24
Right Out: 12.142+/-4.795 χ²/NDF: 19.4/26
Left In: 0.925+/-2.056 χ²/NDF:29.9/22
Left: -4.219+/-1.427 χ²/NDF: 103.2/47
Right: 0.452+/-3.367 χ²/NDF: 57.7/48
In: -0.957+/-1.885 χ²/NDF:61.7/44
Out: -5.916+/-1.832 χ²/NDF:97.3/51
All: -3.508+/-1.314 χ²/NDF: 162.6/96


diff_bpm_4aX_4ecX_avg_rms vs Slug, Sign Corrected
30000
25000
20000
15000
10000
100
120
140
160
180
200
Right In: 15022.731+/-3.344 χ²/NDF: 2642091.0/21
Left Out: 8651.872+/-1.401 χ²/NDF:405419.4/24
Right Out: 16168.688+/-3.391 χ²/NDF: 2720235.8/26
Left In: 8746.106+/-1.454 χ²/NDF:331167.0/22
Left: 8697.266+/-1.009 χ²/NDF: 738764.8/47
Right: 15587.788+/-2.381 χ²/NDF: 5420233.7/48
In: 9743.556+/-1.333 χ²/NDF:5936462.3/44
Out: 9748.558+/-1.295 χ²/NDF:7323612.5/51
All: 9746.129+/-0.929 χ²/NDF: 13260082.1/9



Right In: -0.514+/-0.198 χ^2/NDF: 22.9/21

Left Out: -0.242+/-0.100 χ^2/NDF:34.3/24

Right Out: 0.392+/-0.199 χ^2/NDF: 30.0/26

Left In: -0.047+/-0.102 χ^2/NDF:35.1/22

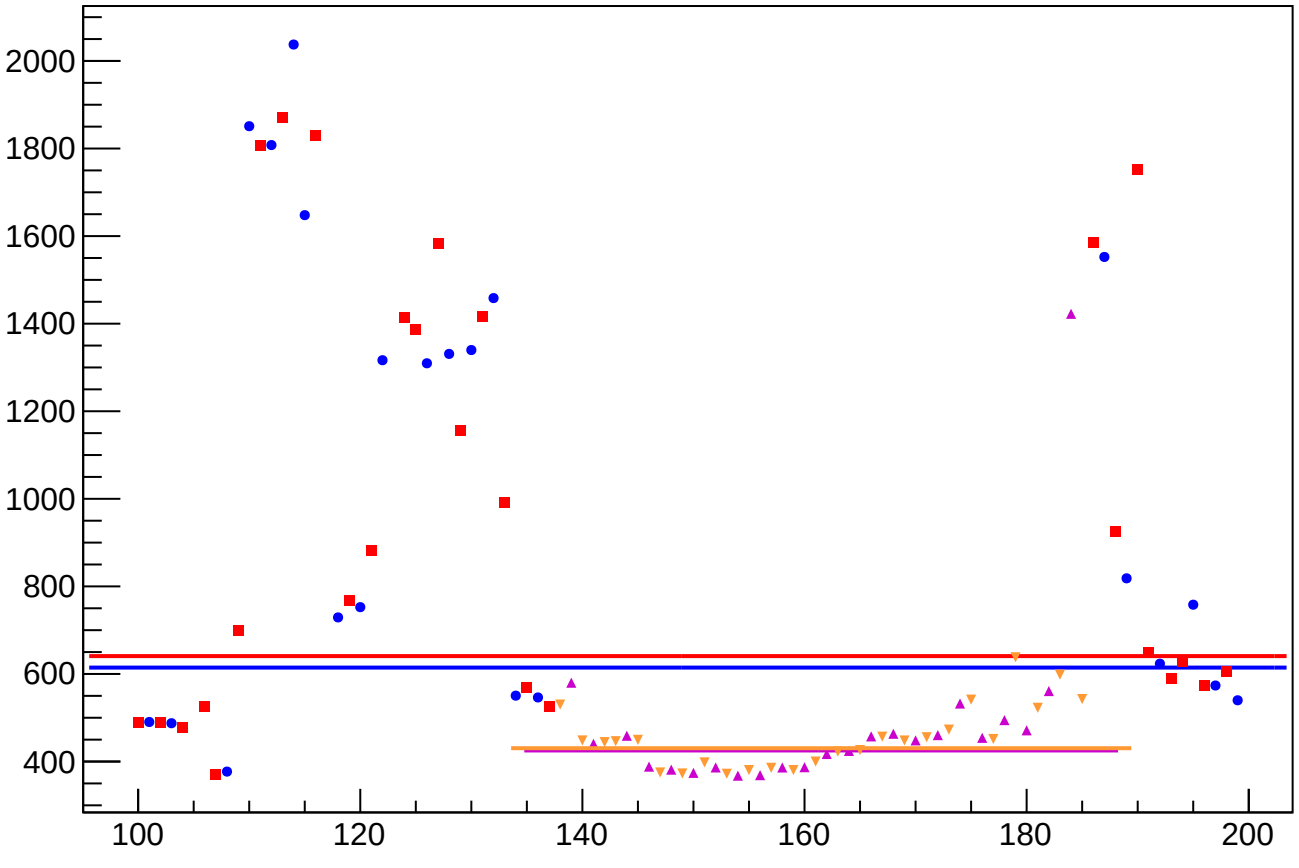
Left: -0.146+/-0.071 χ^2/NDF: 71.2/47

Right: -0.063+/-0.140 χ^2/NDF: 63.4/48

In: -0.144+/-0.090 χ^2/NDF:62.4/44

Out: -0.114+/-0.089 χ^2/NDF:72.5/51

All: -0.129+/-0.064 χ^2/NDF: 134.9/96



Right In: 614.565+/-0.140 χ^2/NDF: 3143940.3/21

Left Out: 430.437+/-0.071 χ^2/NDF:648114.1/24

Right Out: 640.782+/-0.140 χ^2/NDF: 3416293.3/26

Left In: 425.312+/-0.072 χ^2/NDF:716953.2/22

Left: 427.910+/-0.050 χ^2/NDF: 1367648.1/47

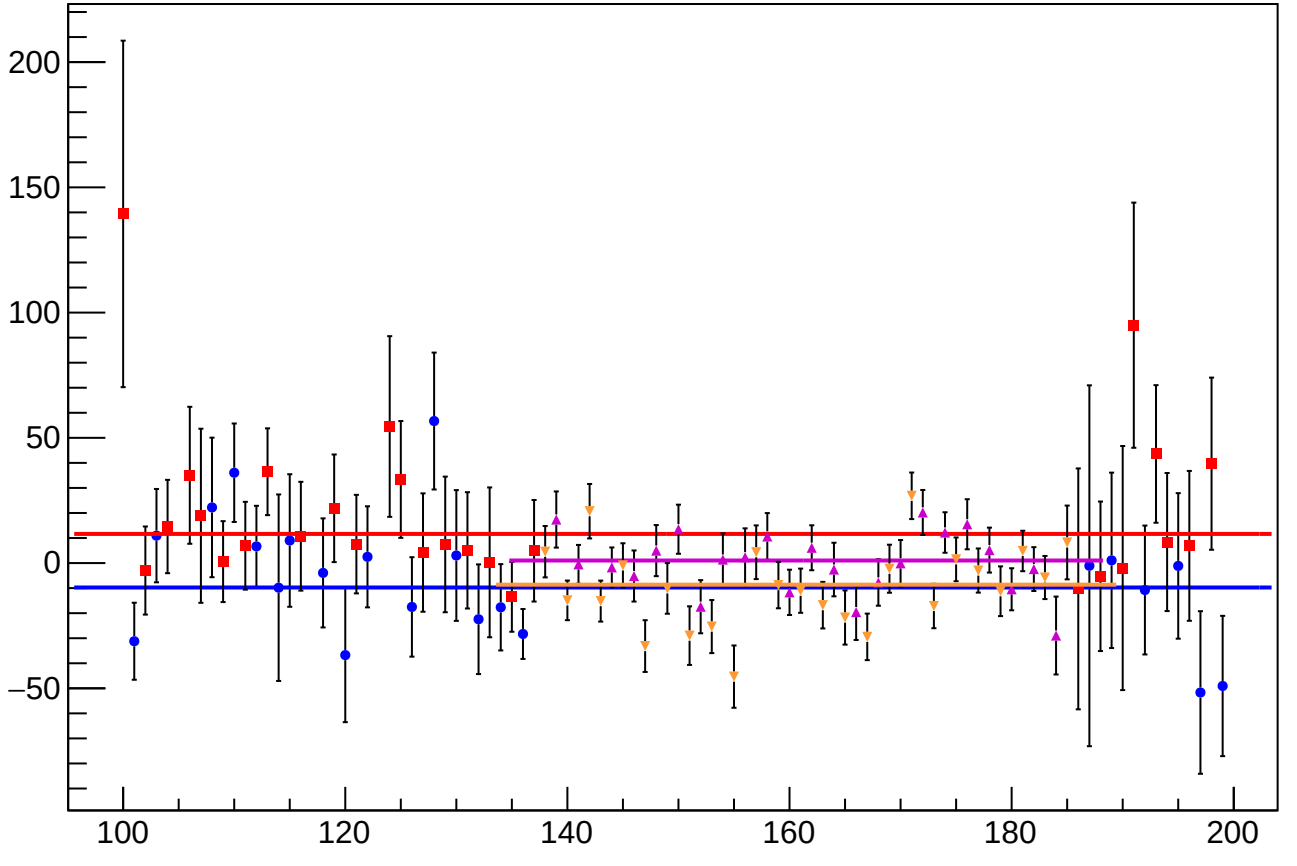
Right: 627.630+/-0.099 χ^2/NDF: 6577706.7/48

In: 464.746+/-0.064 χ^2/NDF:5307291.0/44

Out: 473.104+/-0.063 χ^2/NDF:5851861.3/51

All: 468.967+/-0.045 χ^2/NDF: 11167791.3/96

diff_bpm_4eX_4ecX_avg_mean vs Slug, Sign Corrected



Right In: -9.748+/-4.485 χ^2/NDF: 27.1/21

Left Out: -8.623+/-1.913 χ^2/NDF:61.6/24

Right Out: 11.642+/-4.513 χ^2/NDF: 19.3/26

Left In: 1.027+/-1.987 χ^2/NDF:29.8/22

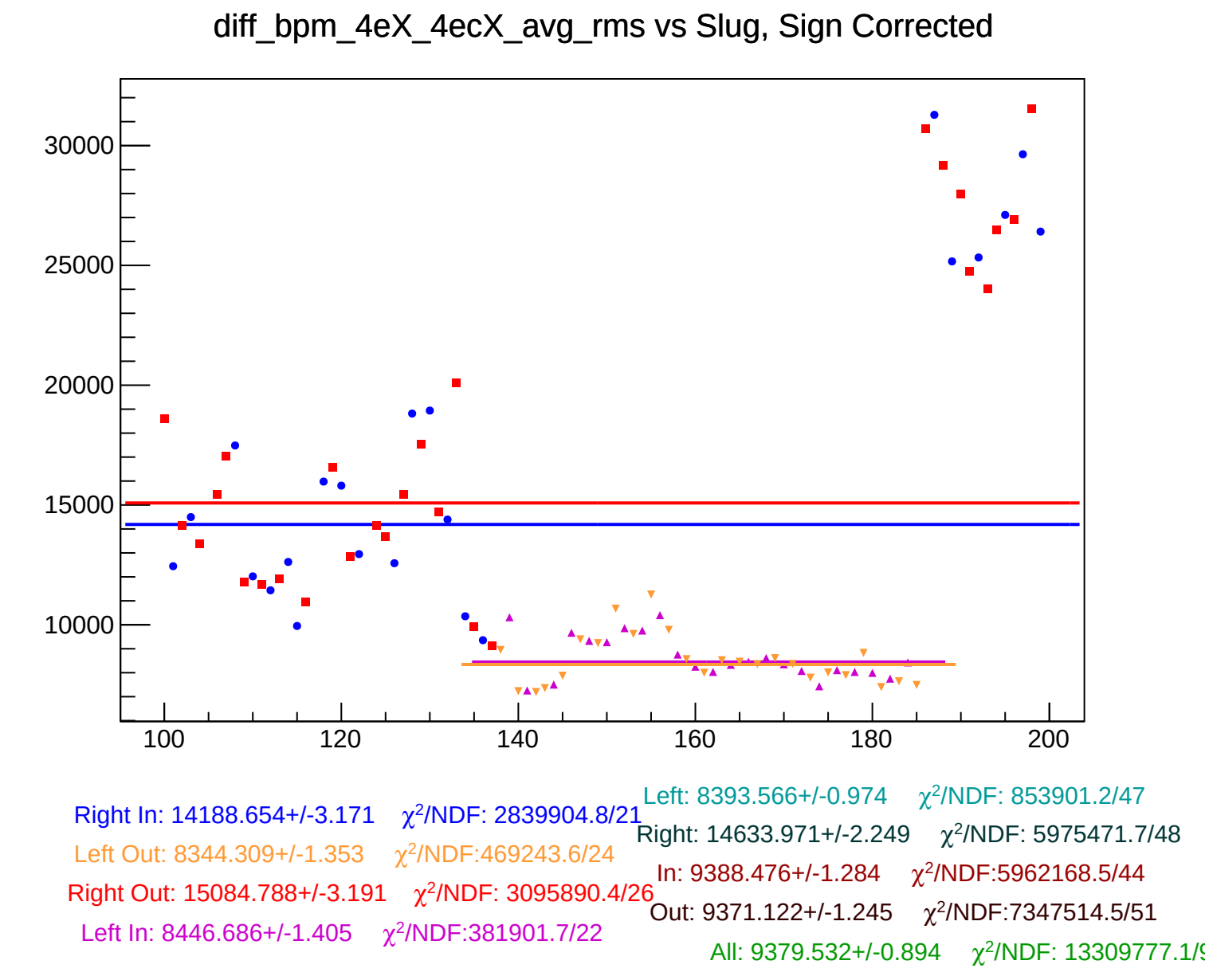
Left: -3.980+/-1.378 χ^2/NDF: 103.6/47

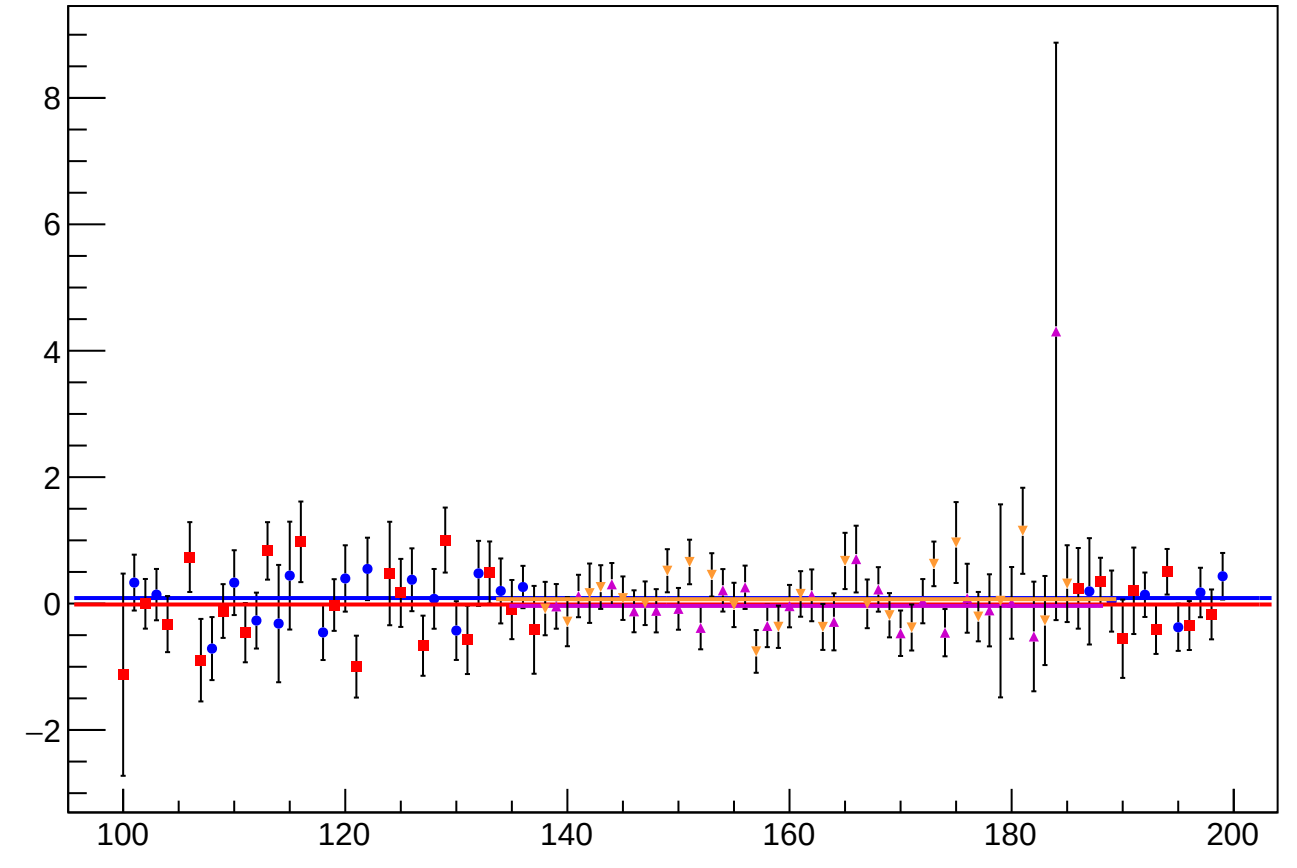
Right: 0.882+/-3.181 χ^2/NDF: 57.7/48

In: -0.740+/-1.816 χ^2/NDF:61.7/44

Out: -5.536+/-1.761 χ^2/NDF:98.0/51

All: -3.212+/-1.264 χ^2/NDF: 163.3/96


diff_bpm_4eX_4ecX_avg_rms vs Slug, Sign Corrected
30000
25000
20000
15000
10000
100
120
140
160
180
200
Right In: 14188.654+/-3.171 χ²/NDF: 2839904.8/21
Left Out: 8344.309+/-1.353 χ²/NDF:469243.6/24
Right Out: 15084.788+/-3.191 χ²/NDF: 3095890.4/26
Left In: 8446.686+/-1.405 χ²/NDF:381901.7/22
Left: 8393.566+/-0.974 χ²/NDF: 853901.2/47
Right: 14633.971+/-2.249 χ²/NDF: 5975471.7/48
In: 9388.476+/-1.284 χ²/NDF:5962168.5/44
Out: 9371.122+/-1.245 χ²/NDF:7347514.5/51
All: 9379.532+/-0.894 χ²/NDF: 13309777.1/9



Right In: 0.087+/-0.098 χ^2/NDF: 11.9/21

Left Out: 0.069+/-0.079 χ^2/NDF:28.2/24

Right Out: -0.015+/-0.094 χ^2/NDF: 30.2/26

Left In: -0.037+/-0.081 χ^2/NDF:11.7/22

Left: 0.017+/-0.057 χ^2/NDF: 40.8/47

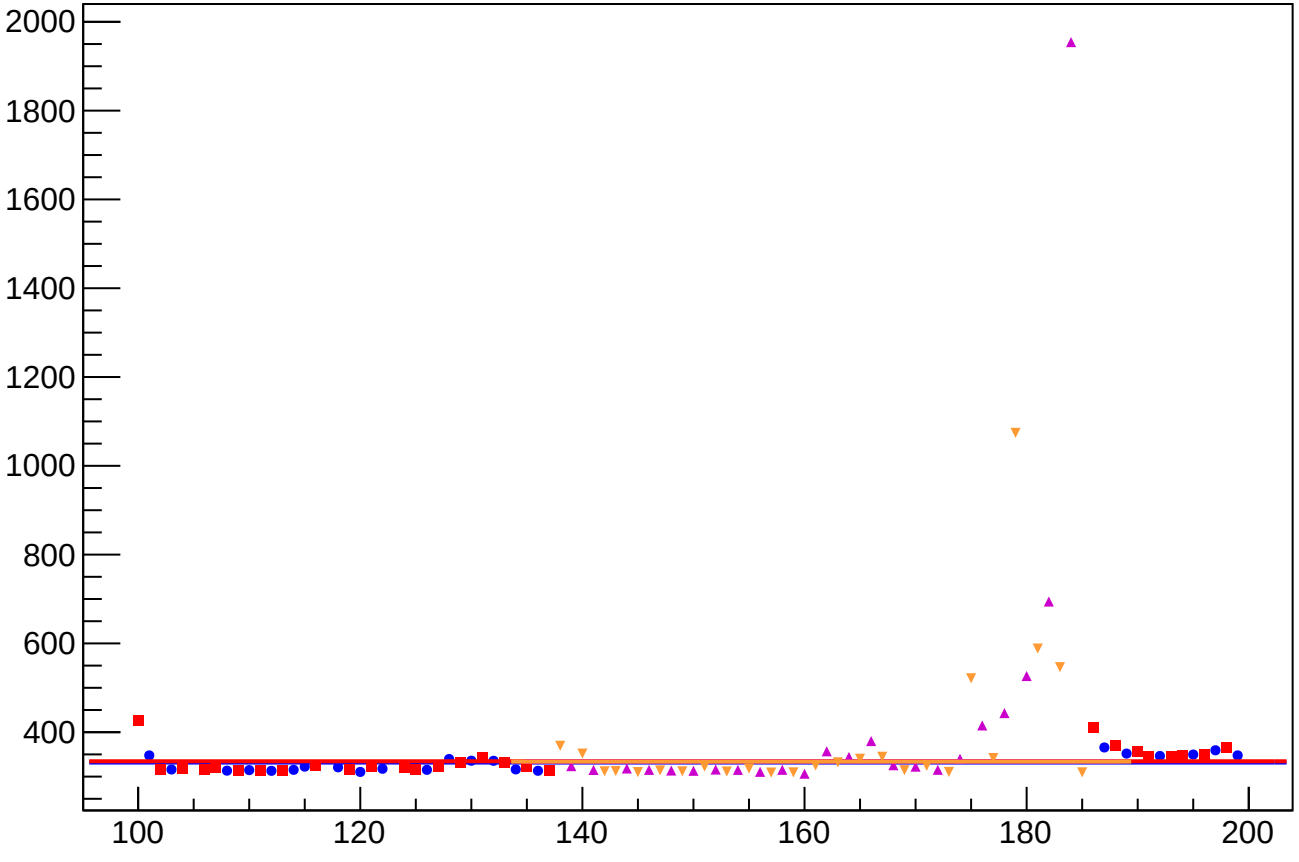
Right: 0.034+/-0.068 χ^2/NDF: 42.6/48

In: 0.013+/-0.062 χ^2/NDF:24.5/44

Out: 0.034+/-0.060 χ^2/NDF:58.9/51

All: 0.024+/-0.043 χ^2/NDF: 83.4/96

diff_bpm_4eX_4ecX_dd_rms vs Slug, Sign Corrected



Right In: 331.610+/-0.069 χ^2/NDF: 60638.9/21

Left Out: 333.783+/-0.056 χ^2/NDF:1217257.0/24

Right Out: 334.553+/-0.066 χ^2/NDF: 110720.8/26

Left In: 333.979+/-0.057 χ^2/NDF:1050984.2/22

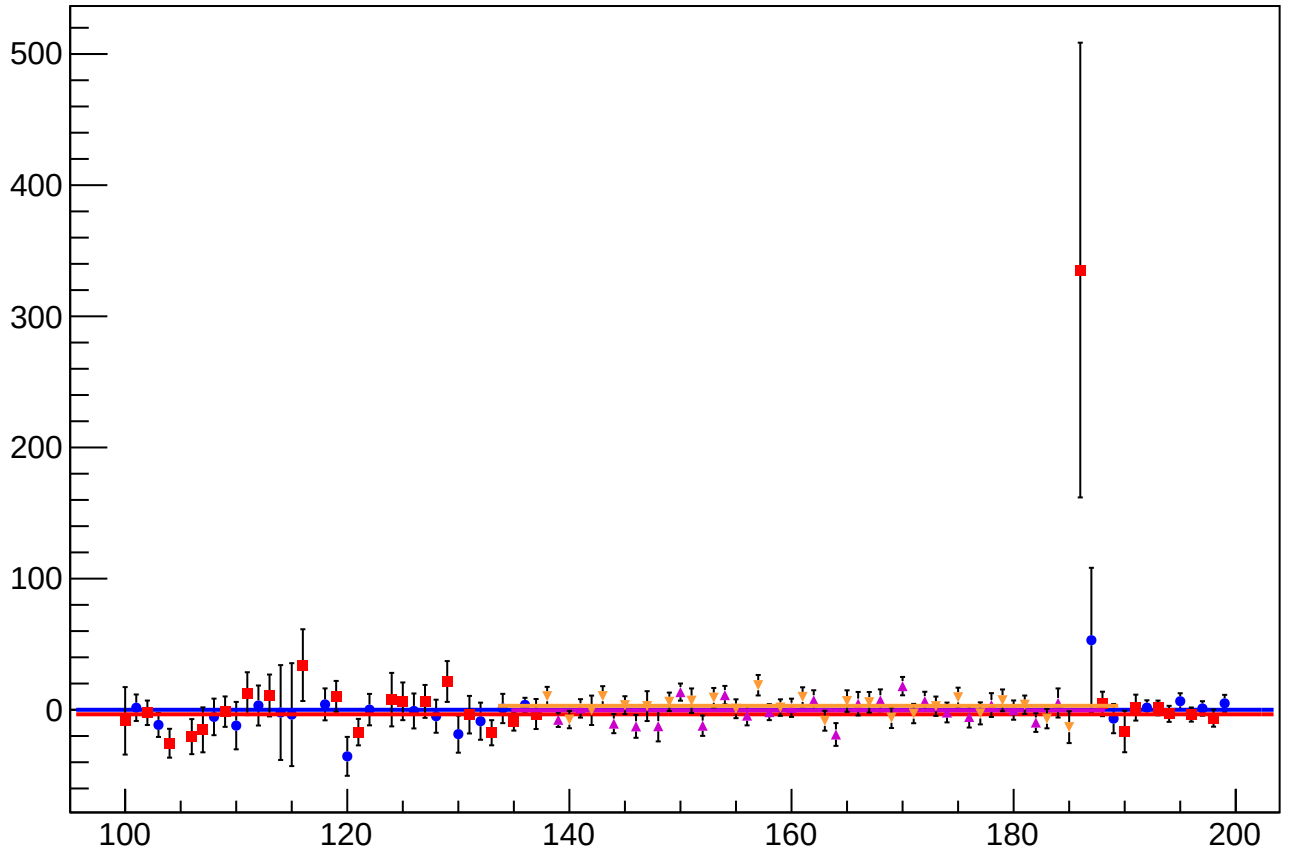
Left: 333.879+/-0.040 χ^2/NDF: 2268247.2/47

Right: 333.147+/-0.048 χ^2/NDF: 172302.1/48

In: 333.019+/-0.044 χ^2/NDF:1112318.4/44

Out: 334.103+/-0.043 χ^2/NDF:1328056.6/51

All: 333.578+/-0.031 χ^2/NDF: 2440687.0/96



Right In: 0.002+/-2.030 χ^2/NDF: 14.0/21

Left Out: 3.023+/-1.542 χ^2/NDF:20.3/24

Right Out: -3.445+/-1.934 χ^2/NDF: 26.1/26

Left In: -0.351+/-1.568 χ^2/NDF:33.8/22

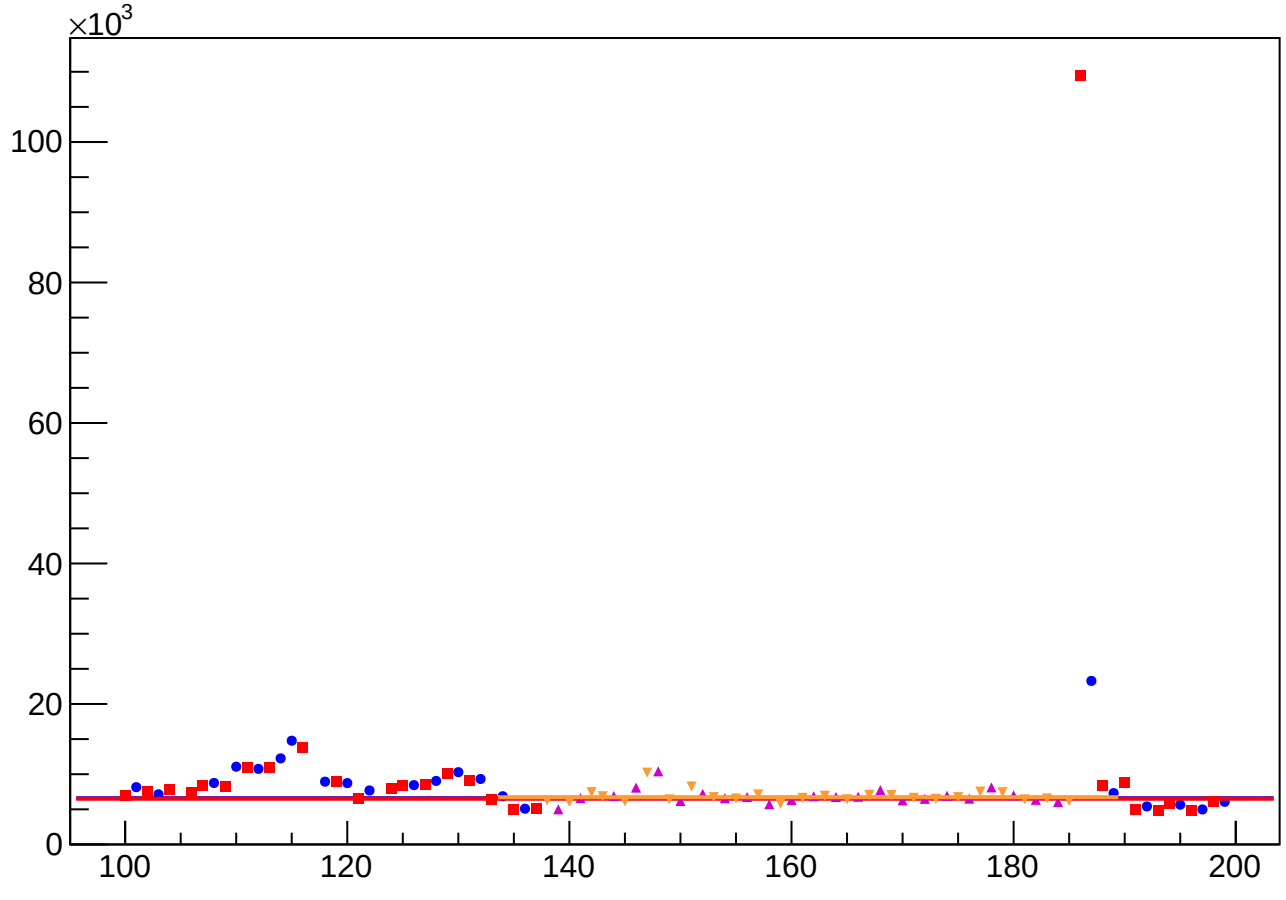
Left: 1.365+/-1.099 χ^2/NDF: 56.5/47

Right: -1.804+/-1.400 χ^2/NDF: 41.6/48

In: -0.219+/-1.241 χ^2/NDF:47.8/44

Out: 0.511+/-1.206 χ^2/NDF:53.3/51

All: 0.156+/-0.865 χ^2/NDF: 101.3/96



Right In: 6585.594+/-1.435 χ^2/NDF: 1636043.5/21

Left Out: 6722.984+/-1.090 χ^2/NDF:403317.7/24

Right Out: 6517.437+/-1.368 χ^2/NDF: 2329590.7/26

Left In: 6632.723+/-1.109 χ^2/NDF:629490.9/22

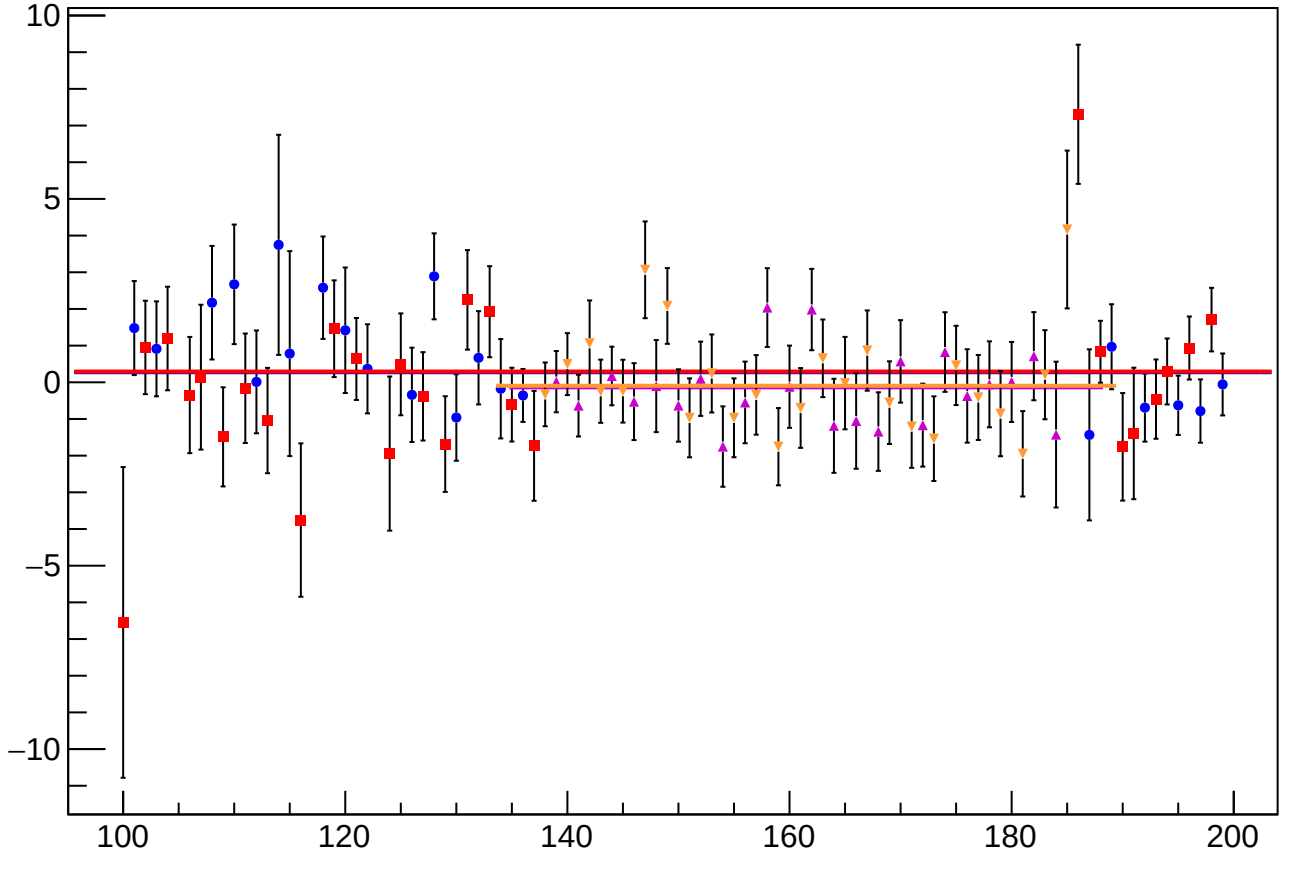
Left: 6678.628+/-0.777 χ^2/NDF: 1036177.6/47

Right: 6549.876+/-0.990 χ^2/NDF: 3966815.9/48

In: 6615.106+/-0.878 χ^2/NDF:2266209.6/44

Out: 6643.146+/-0.852 χ^2/NDF:2746718.1/51

All: 6629.532+/-0.611 χ^2/NDF: 5013453.0/96



Right In: 0.274+/-0.252 χ^2/NDF: 21.5/21

Left Out: -0.095+/-0.215 χ^2/NDF:27.3/24

Right Out: 0.293+/-0.244 χ^2/NDF: 41.6/26

Left In: -0.138+/-0.225 χ^2/NDF:16.5/22

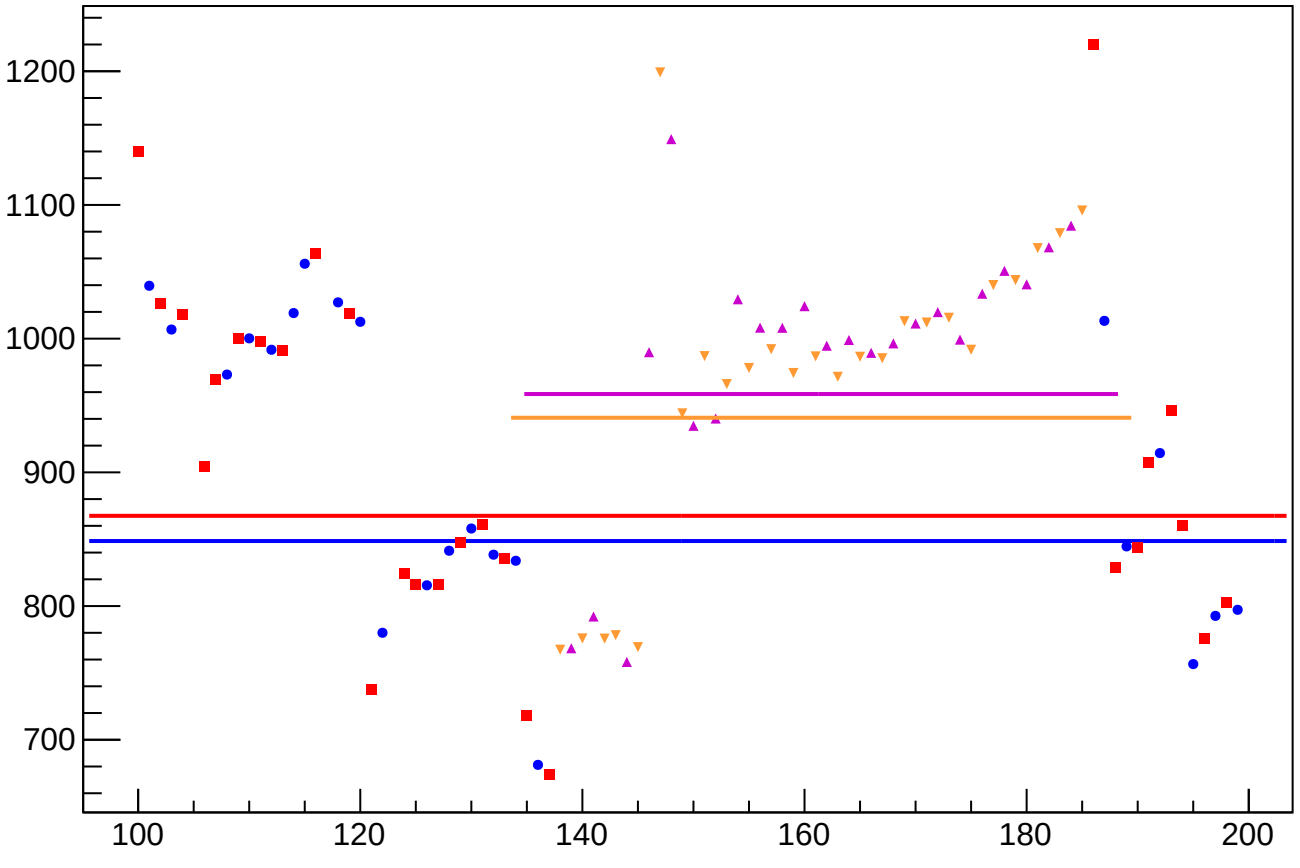
Left: -0.115+/-0.156 χ^2/NDF: 43.8/47

Right: 0.284+/-0.175 χ^2/NDF: 63.1/48

In: 0.045+/-0.168 χ^2/NDF:39.5/44

Out: 0.075+/-0.161 χ^2/NDF:70.4/51

All: 0.061+/-0.116 χ^2/NDF: 109.9/96



Right In: 848.639+/-0.178 χ^2/NDF: 371503.9/21

Left Out: 940.844+/-0.152 χ^2/NDF:568776.0/24

Right Out: 867.490+/-0.173 χ^2/NDF: 394501.9/26

Left In: 958.578+/-0.159 χ^2/NDF:456824.8/22

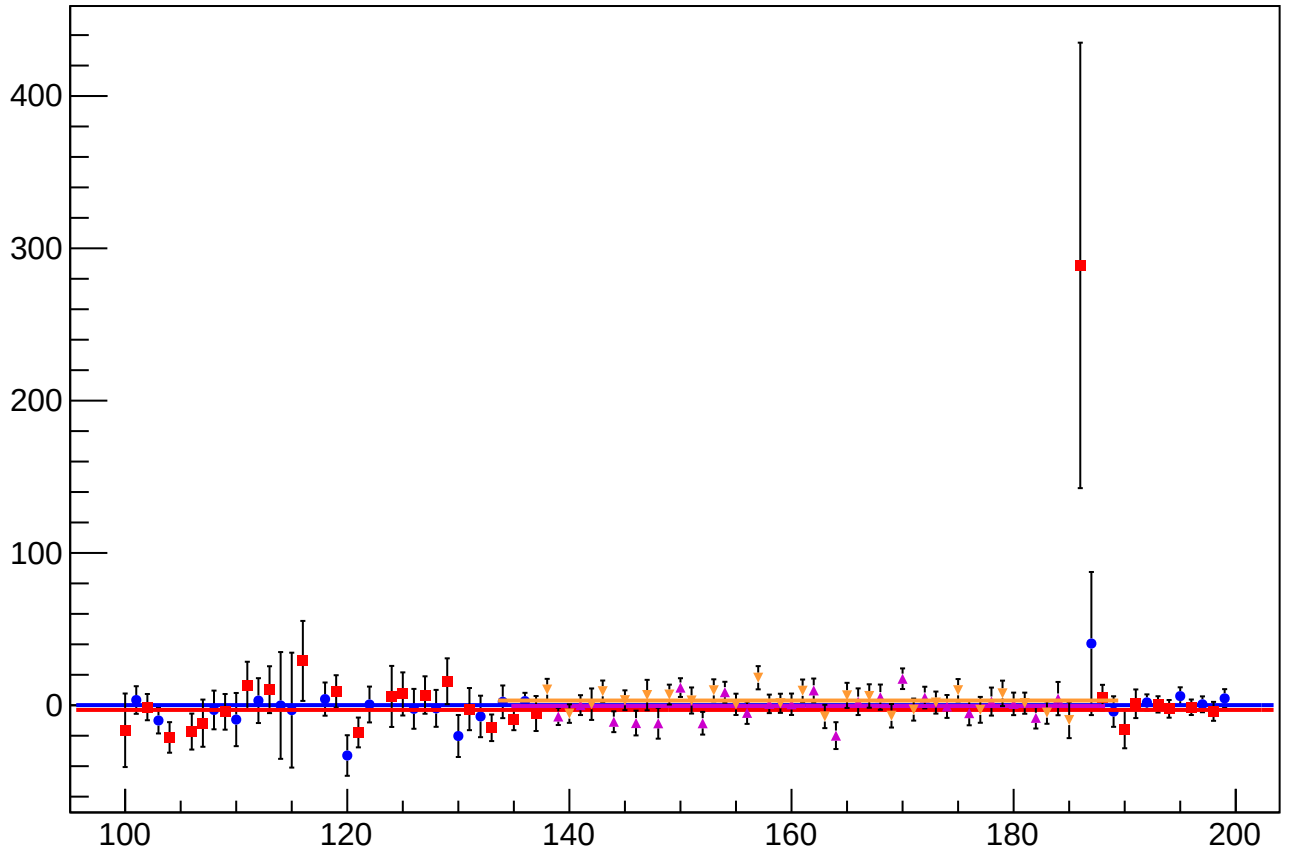
Left: 949.310+/-0.110 χ^2/NDF: 1032074.6/47

Right: 858.358+/-0.124 χ^2/NDF: 771788.7/48

In: 909.671+/-0.119 χ^2/NDF:1040101.5/44

Out: 908.720+/-0.114 χ^2/NDF:1064876.4/51

All: 909.177+/-0.082 χ^2/NDF: 2105011.2/96



Right In: 0.092+/-1.929 χ^2/NDF: 13.7/21

Left Out: 3.099+/-1.500 χ^2/NDF:18.6/24

Right Out: -3.067+/-1.830 χ^2/NDF: 24.5/26

Left In: -0.519+/-1.535 χ^2/NDF:32.0/22

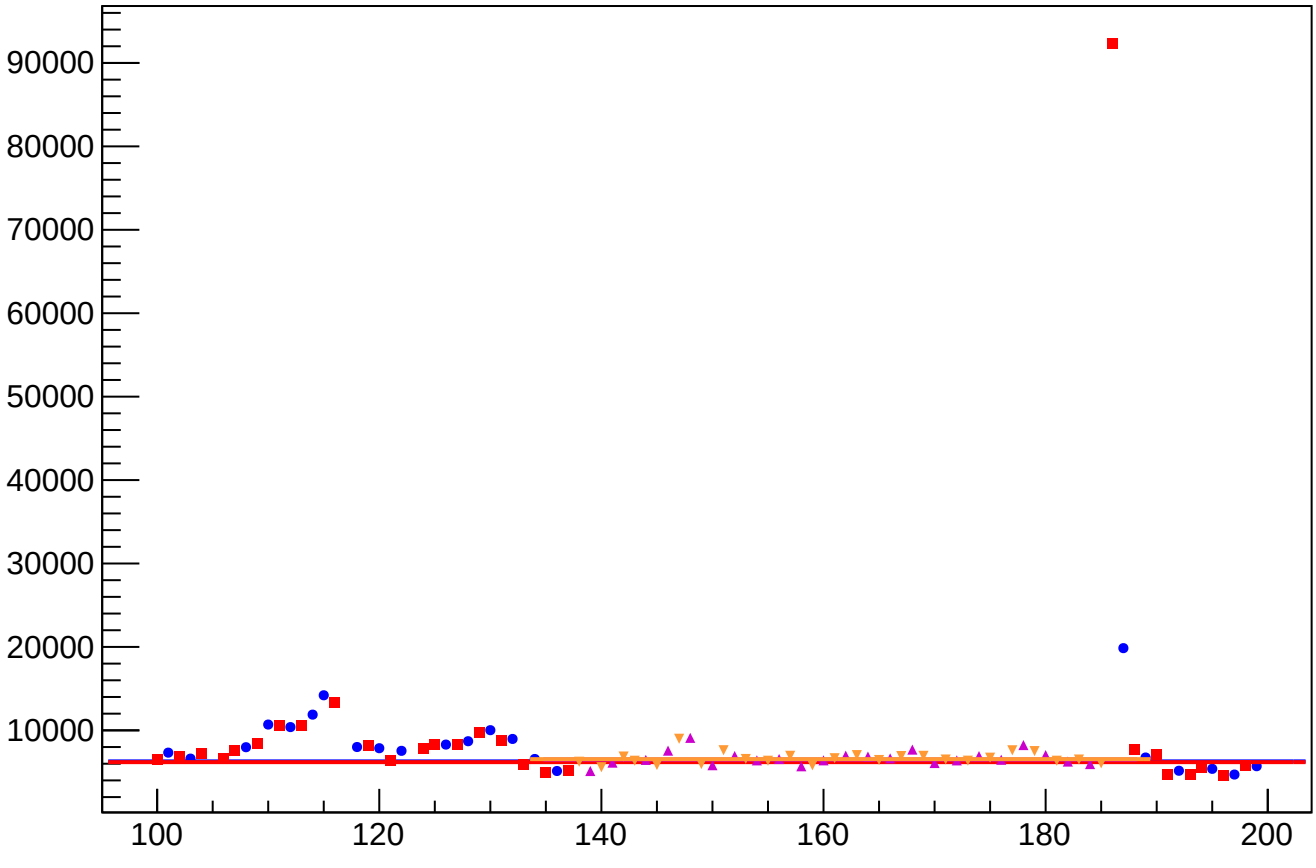
Left: 1.331+/-1.073 χ^2/NDF: 53.4/47

Right: -1.571+/-1.327 χ^2/NDF: 39.6/48

In: -0.282+/-1.201 χ^2/NDF:45.8/44

Out: 0.620+/-1.160 χ^2/NDF:49.9/51

All: 0.185+/-0.834 χ^2/NDF: 96.0/96



Right In: 6279.404+/-1.364 χ^2/NDF: 1544272.7/21

Left Out: 6548.897+/-1.061 χ^2/NDF:366072.4/24

Right Out: 6189.347+/-1.294 χ^2/NDF: 2259758.8/26

Left In: 6505.057+/-1.085 χ^2/NDF:515496.8/22

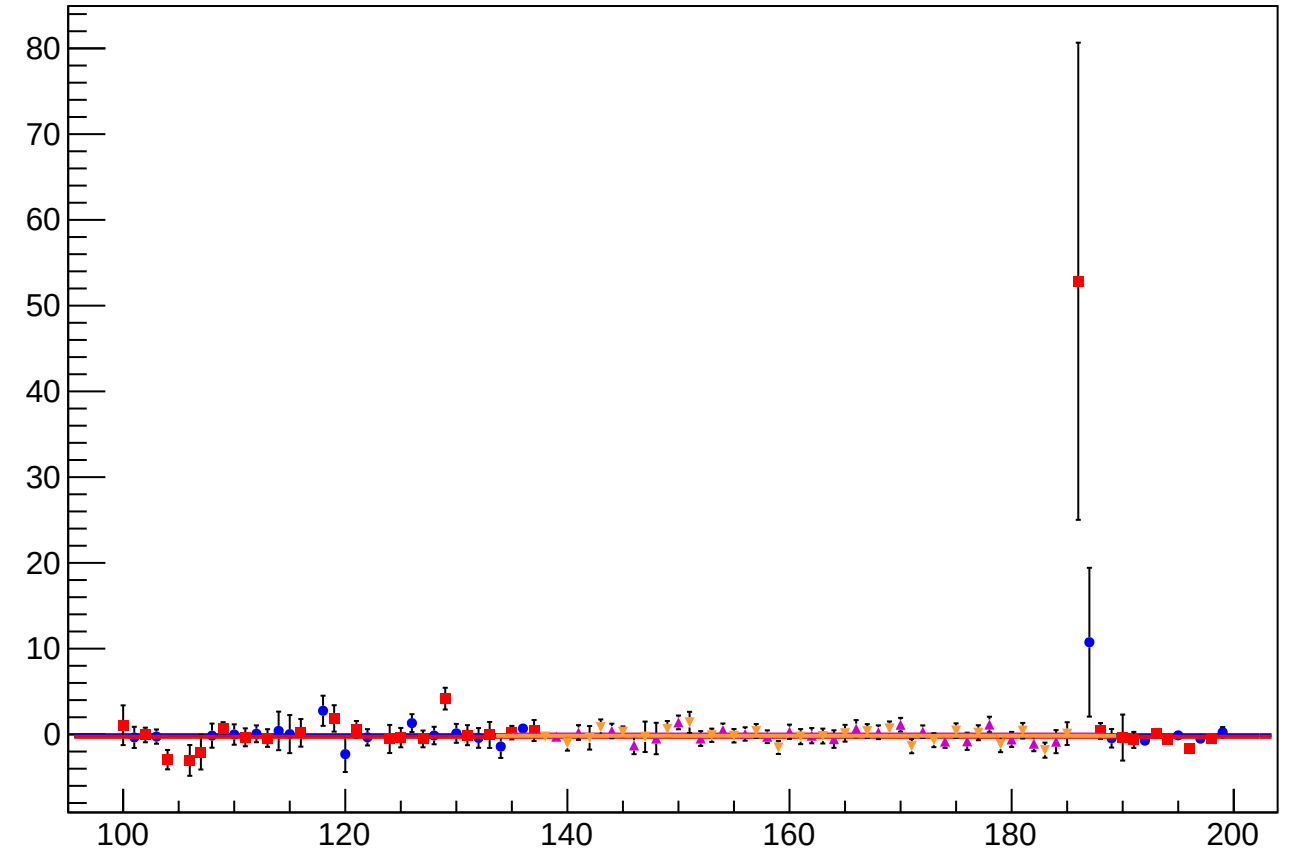
Left: 6527.477+/-0.759 χ^2/NDF: 882403.7/47

Right: 6232.001+/-0.939 χ^2/NDF: 3806326.6/48

In: 6417.563+/-0.849 χ^2/NDF:2076531.1/44

Out: 6404.340+/-0.820 χ^2/NDF:2672017.7/51

All: 6410.723+/-0.590 χ^2/NDF: 4748674.2/96



Right In: -0.093+/-0.192 χ^2/NDF: 12.6/21

Left Out: -0.162+/-0.172 χ^2/NDF:19.0/24

Right Out: -0.283+/-0.184 χ^2/NDF: 37.7/26

Left In: -0.017+/-0.169 χ^2/NDF:15.2/22

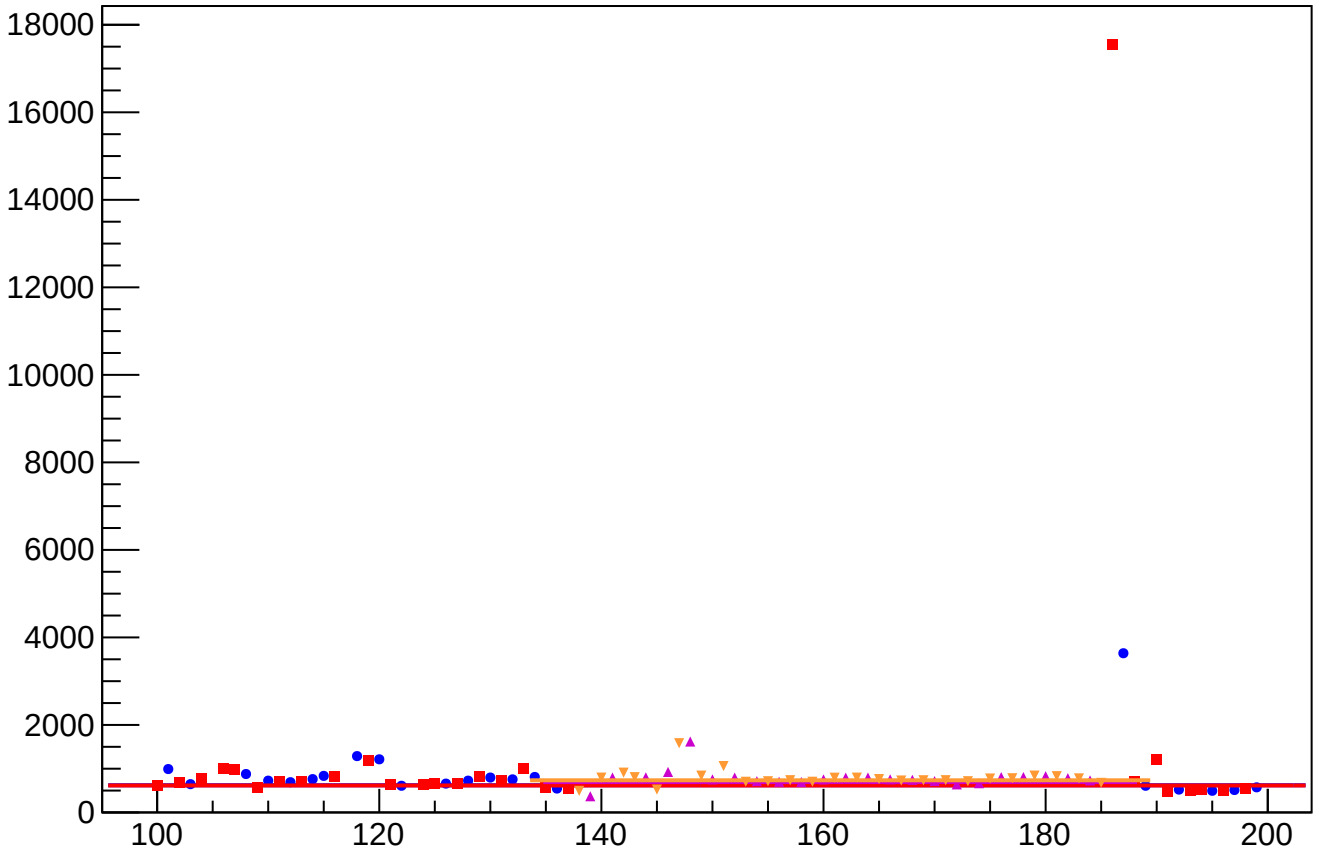
Left: -0.089+/-0.121 χ^2/NDF: 34.6/47

Right: -0.192+/-0.133 χ^2/NDF: 50.9/48

In: -0.051+/-0.127 χ^2/NDF:28.0/44

Out: -0.219+/-0.126 χ^2/NDF:56.9/51

All: -0.135+/-0.089 χ^2/NDF: 85.7/96



Right In: 621.769+/-0.136 χ^2/NDF: 1435185.6/21

Left Out: 734.984+/-0.122 χ^2/NDF:1339748.9/24

Right Out: 616.644+/-0.130 χ^2/NDF: 1935812.1/26

Left In: 694.150+/-0.120 χ^2/NDF:2225094.5/22

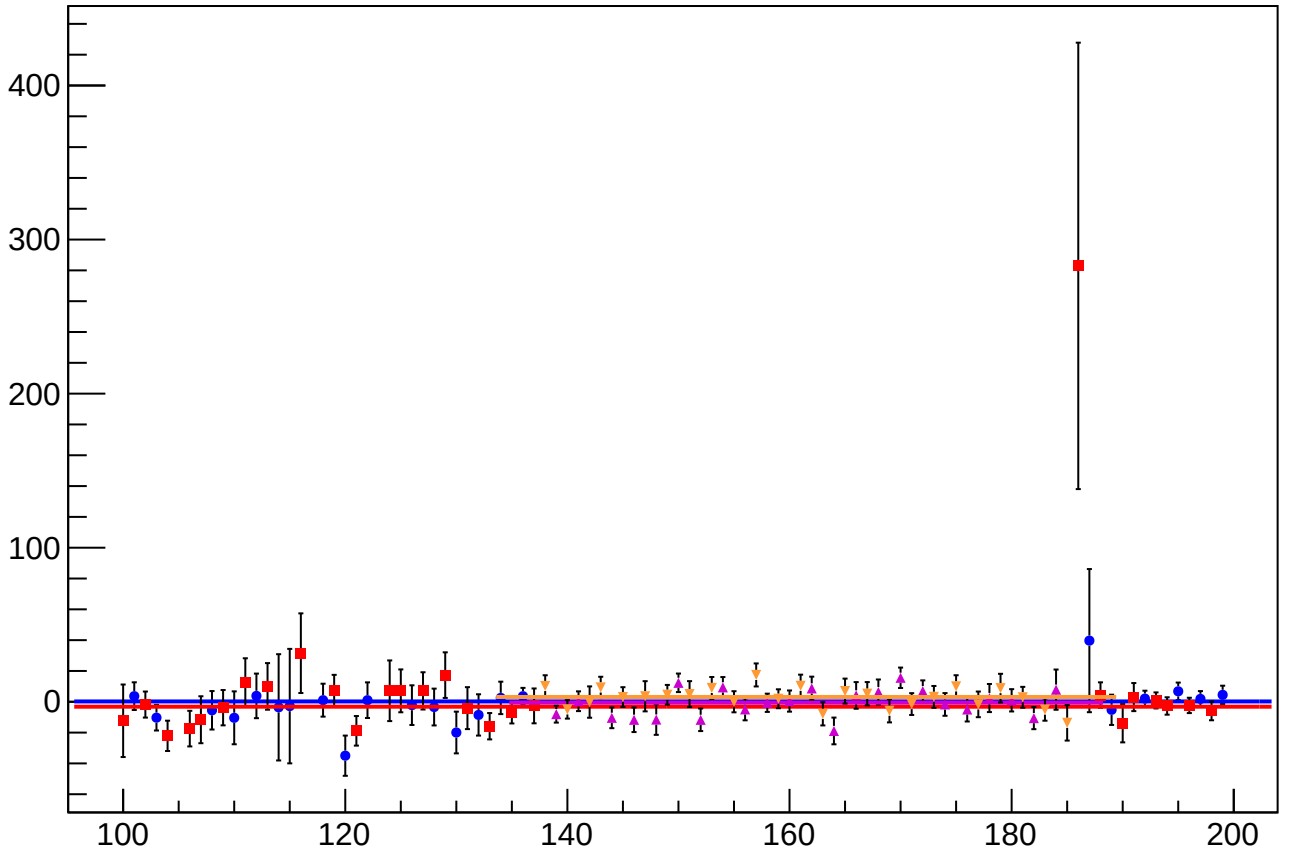
Left: 714.202+/-0.085 χ^2/NDF: 3622132.3/47

Right: 619.103+/-0.094 χ^2/NDF: 3371738.8/48

In: 662.545+/-0.090 χ^2/NDF:3820339.1/44

Out: 679.892+/-0.089 χ^2/NDF:3715710.8/51

All: 671.292+/-0.063 χ^2/NDF: 7554893.9/96



Right In: 0.214+/-1.890 χ^2/NDF: 16.1/21

Left Out: 3.111+/-1.476 χ^2/NDF:18.7/24

Right Out: -3.186+/-1.792 χ^2/NDF: 25.7/26

Left In: -0.550+/-1.512 χ^2/NDF:33.6/22

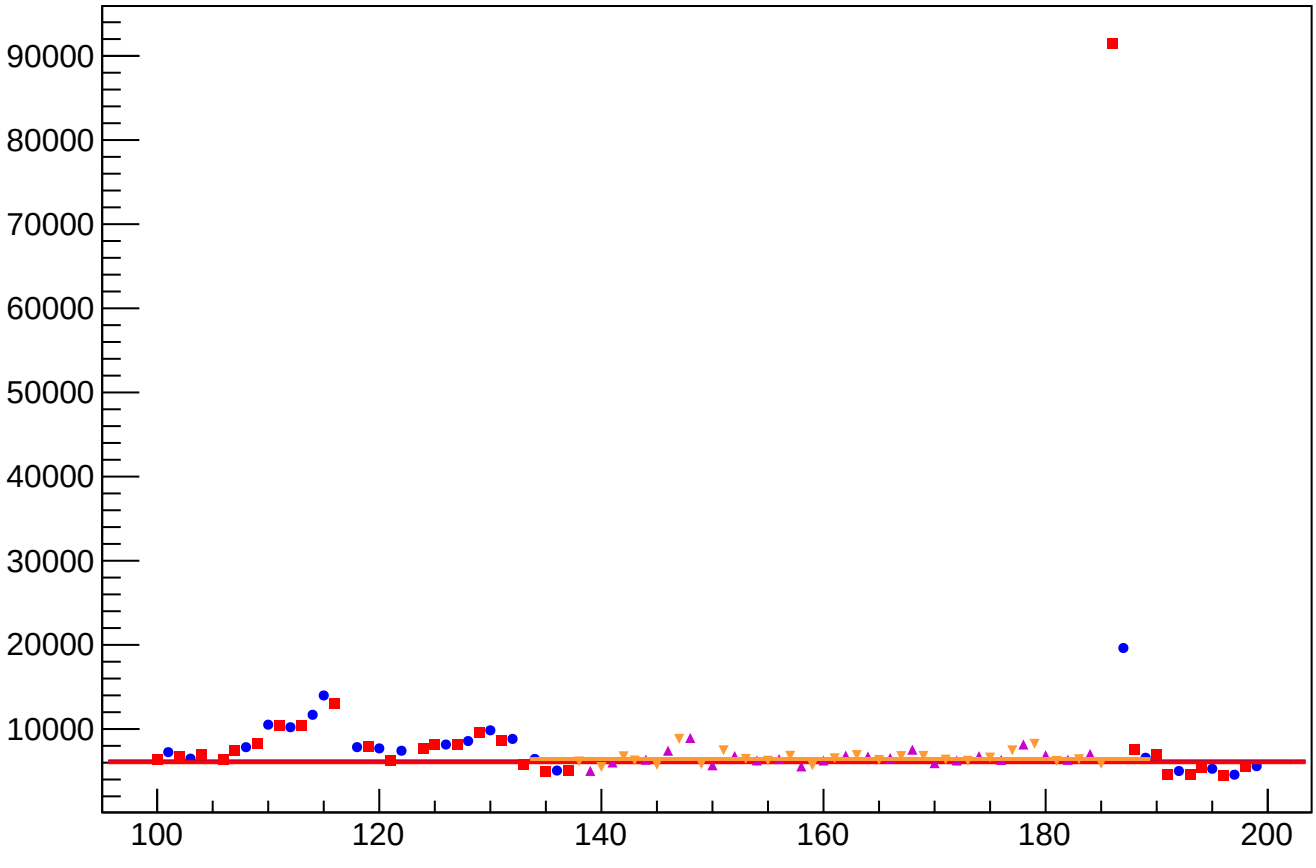
Left: 1.325+/-1.056 χ^2/NDF: 55.3/47

Right: -1.577+/-1.301 χ^2/NDF: 43.5/48

In: -0.252+/-1.181 χ^2/NDF:49.7/44

Out: 0.566+/-1.139 χ^2/NDF:51.8/51

All: 0.172+/-0.820 χ^2/NDF: 101.8/96



Right In: 6147.924+/-1.337 χ^2/NDF: 1572714.5/21

Left Out: 6435.363+/-1.044 χ^2/NDF:417318.3/24

Right Out: 6056.050+/-1.267 χ^2/NDF: 2281157.6/26

Left In: 6405.229+/-1.069 χ^2/NDF:525079.4/22

Left: 6420.661+/-0.747 χ^2/NDF: 942804.2/47

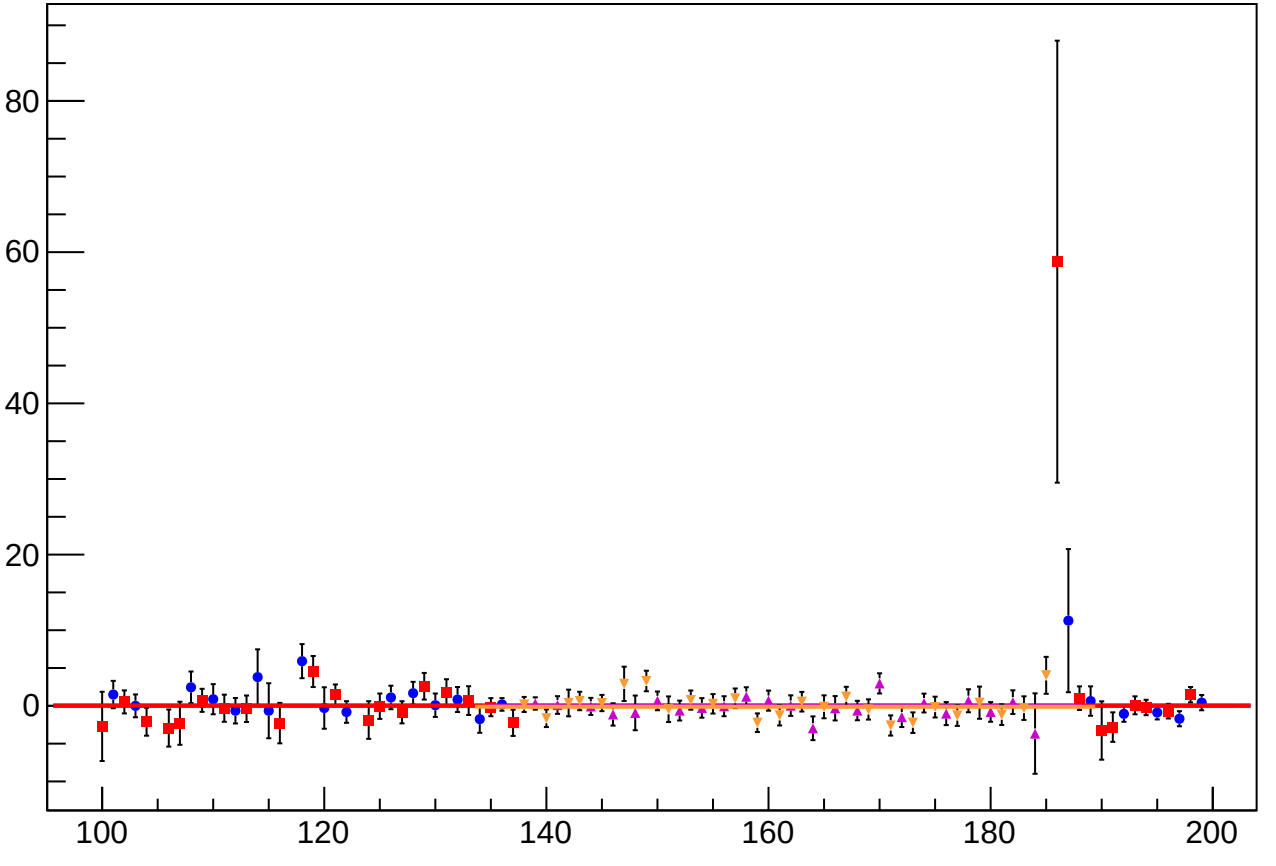
Right: 6099.537+/-0.920 χ^2/NDF: 3856360.0/48

In: 6304.811+/-0.835 χ^2/NDF:2120384.9/44

Out: 6282.033+/-0.806 χ^2/NDF:2751852.8/51

All: 6293.014+/-0.580 χ^2/NDF: 4872622.9/96

diff_bpm_4aY_4ecY_dd_mean vs Slug, Sign Corrected



Right In: 0.022+/-0.312 χ^2/NDF: 20.2/21

Left Out: -0.122+/-0.273 χ^2/NDF:27.0/24

Right Out: 0.035+/-0.310 χ^2/NDF: 26.7/26

Left In: -0.029+/-0.279 χ^2/NDF:14.4/22

Left: -0.077+/-0.195 χ^2/NDF: 41.5/47

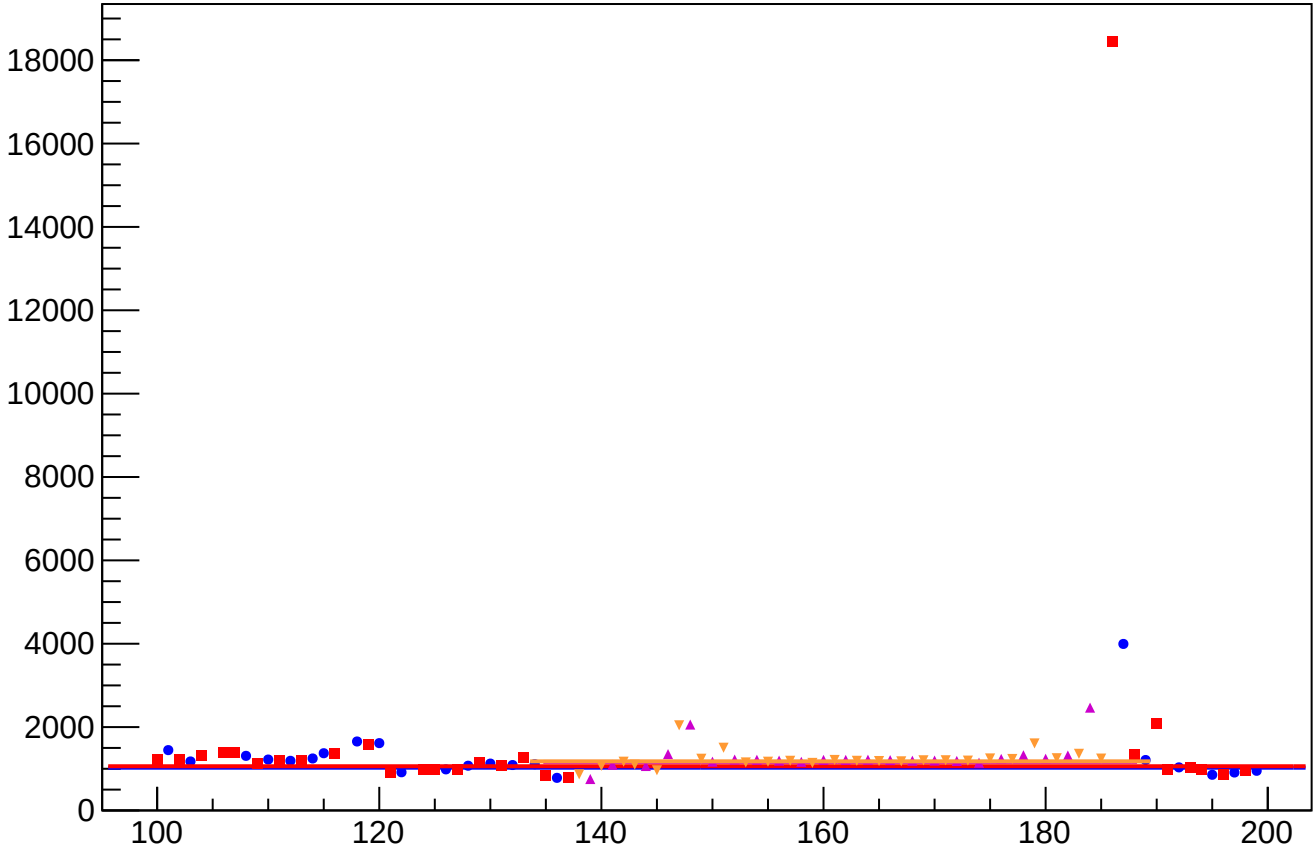
Right: 0.029+/-0.220 χ^2/NDF: 47.0/48

In: -0.006+/-0.208 χ^2/NDF:34.7/44

Out: -0.054+/-0.205 χ^2/NDF:53.9/51

All: -0.030+/-0.146 χ^2/NDF: 88.6/96

diff_bpm_4aY_4ecY_dd_rms vs Slug, Sign Corrected



Right In: 1026.216+/-0.221 χ^2/NDF: 998557.7/21

Left Out: 1177.742+/-0.193 χ^2/NDF:800899.0/24

Right Out: 1060.567+/-0.219 χ^2/NDF: 1533677.9/26

Left In: 1163.827+/-0.197 χ^2/NDF:1052206.0/22

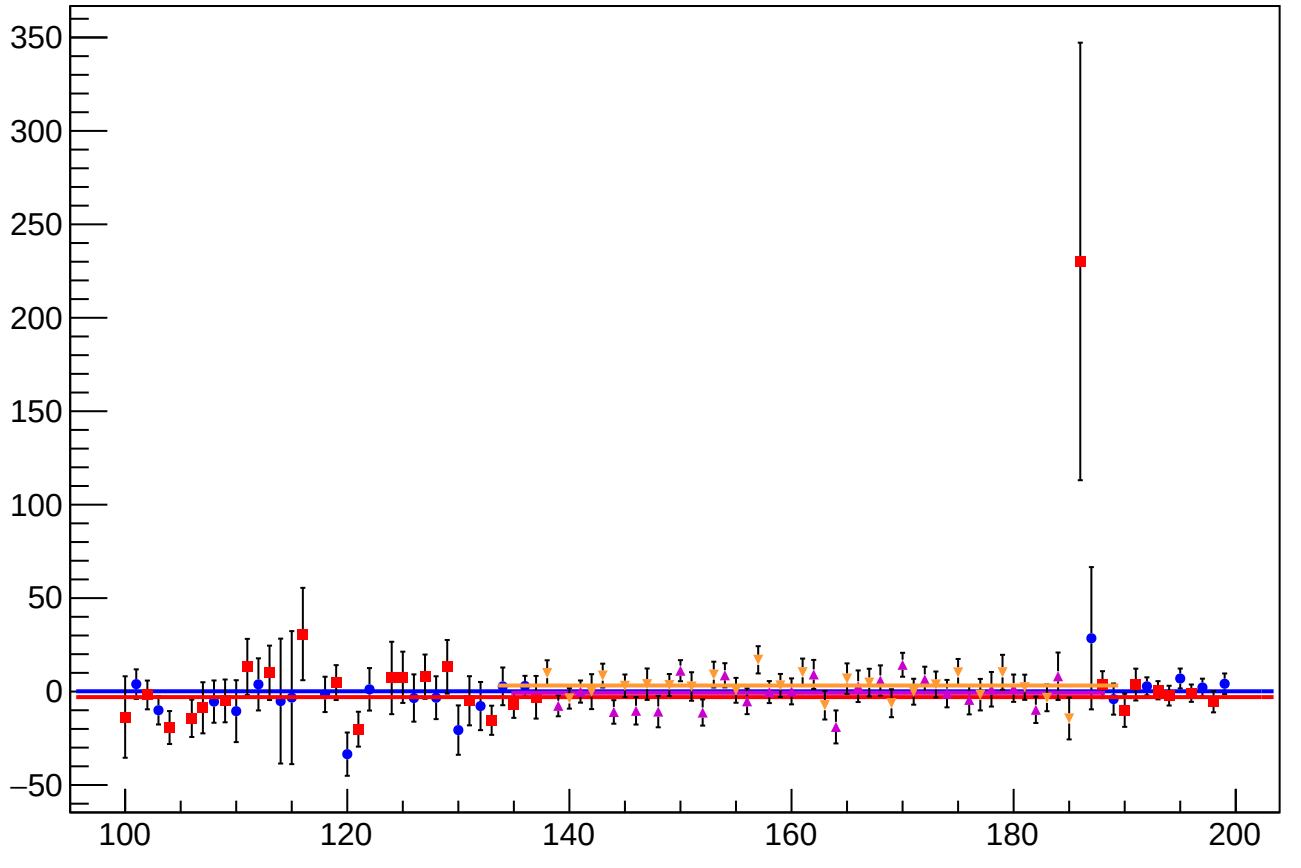
Left: 1170.916+/-0.138 χ^2/NDF: 1855646.9/47

Right: 1043.514+/-0.155 χ^2/NDF: 2544445.3/48

In: 1102.779+/-0.147 χ^2/NDF:2267267.5/44

Out: 1126.438+/-0.145 χ^2/NDF:2495458.0/51

All: 1114.770+/-0.103 χ^2/NDF: 4775866.3/96



Right In: 0.146+/-1.772 χ^2/NDF: 18.1/21

Left Out: 3.234+/-1.430 χ^2/NDF:17.9/24

Right Out: -2.971+/-1.666 χ^2/NDF: 26.0/26

Left In: -0.667+/-1.474 χ^2/NDF:32.4/22

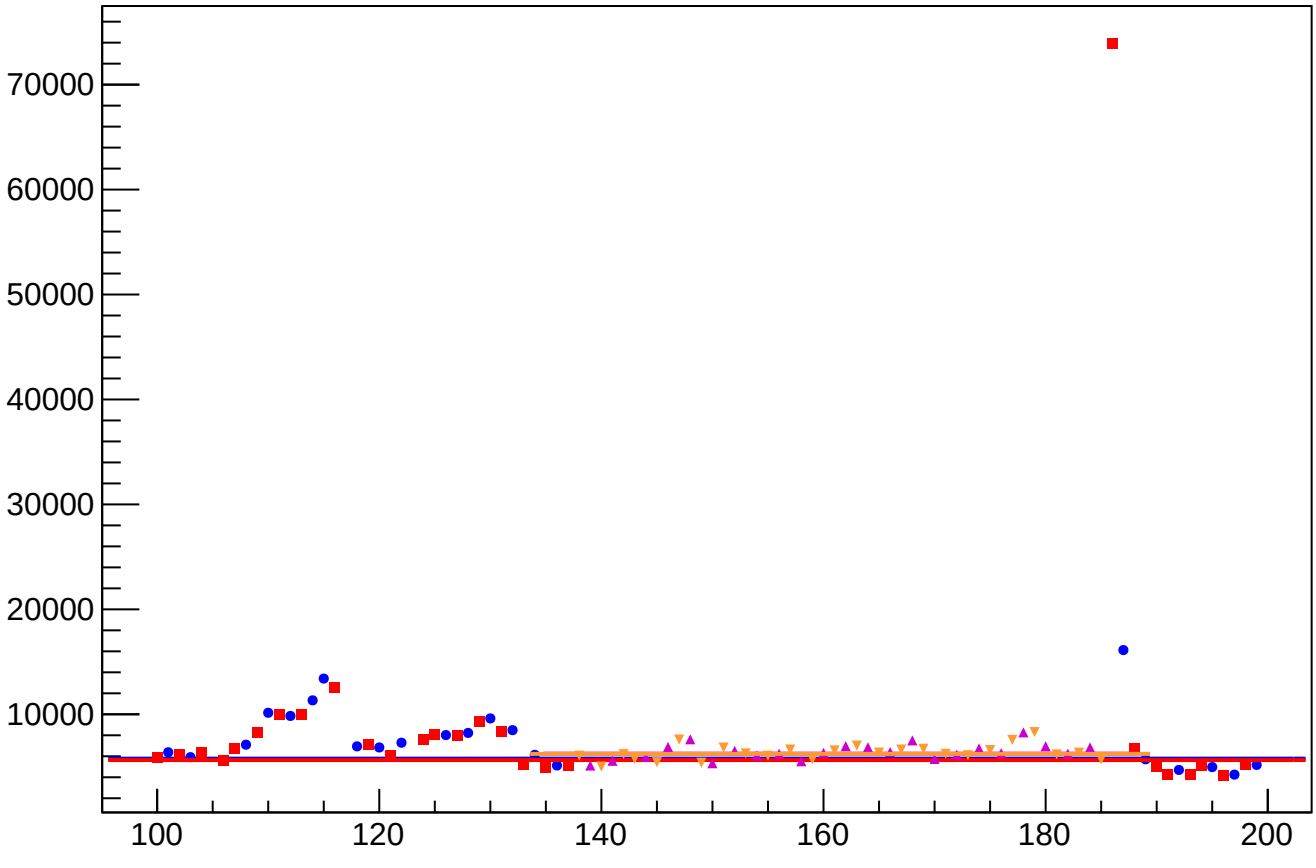
Left: 1.343+/-1.026 χ^2/NDF: 53.9/47

Right: -1.509+/-1.214 χ^2/NDF: 45.8/48

In: -0.335+/-1.133 χ^2/NDF:50.6/44

Out: 0.602+/-1.085 χ^2/NDF:51.9/51

All: 0.154+/-0.784 χ^2/NDF: 102.8/96



Right In: 5771.128+/-1.253 χ^2/NDF: 1548680.3/21

Left Out: 6228.654+/-1.011 χ^2/NDF:470851.7/24

Right Out: 5639.679+/-1.178 χ^2/NDF: 2298822.5/26

Left In: 6246.800+/-1.042 χ^2/NDF:484982.9/22

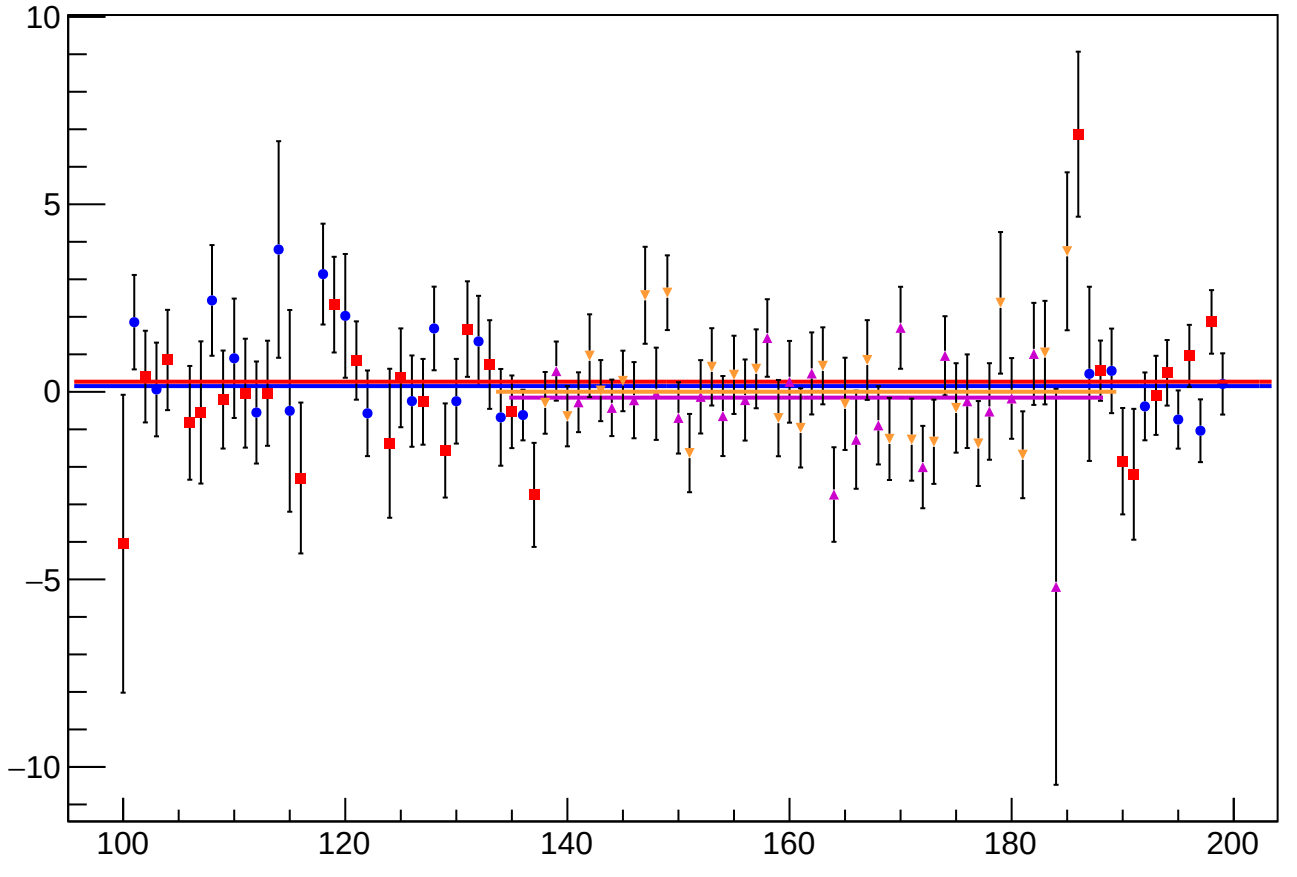
Left: 6237.452+/-0.726 χ^2/NDF: 955990.8/47

Right: 5701.355+/-0.858 χ^2/NDF: 3853346.2/48

In: 6052.287+/-0.801 χ^2/NDF:2118870.5/44

Out: 5978.851+/-0.767 χ^2/NDF:2913654.2/51

All: 6013.976+/-0.554 χ^2/NDF: 5036908.0/96



Right In: 0.153+/-0.242 χ^2/NDF: 21.7/21

Left Out: 0.003+/-0.212 χ^2/NDF:31.6/24

Right Out: 0.271+/-0.235 χ^2/NDF: 34.5/26

Left In: -0.154+/-0.221 χ^2/NDF:18.4/22

Left: -0.072+/-0.153 χ^2/NDF: 50.3/47

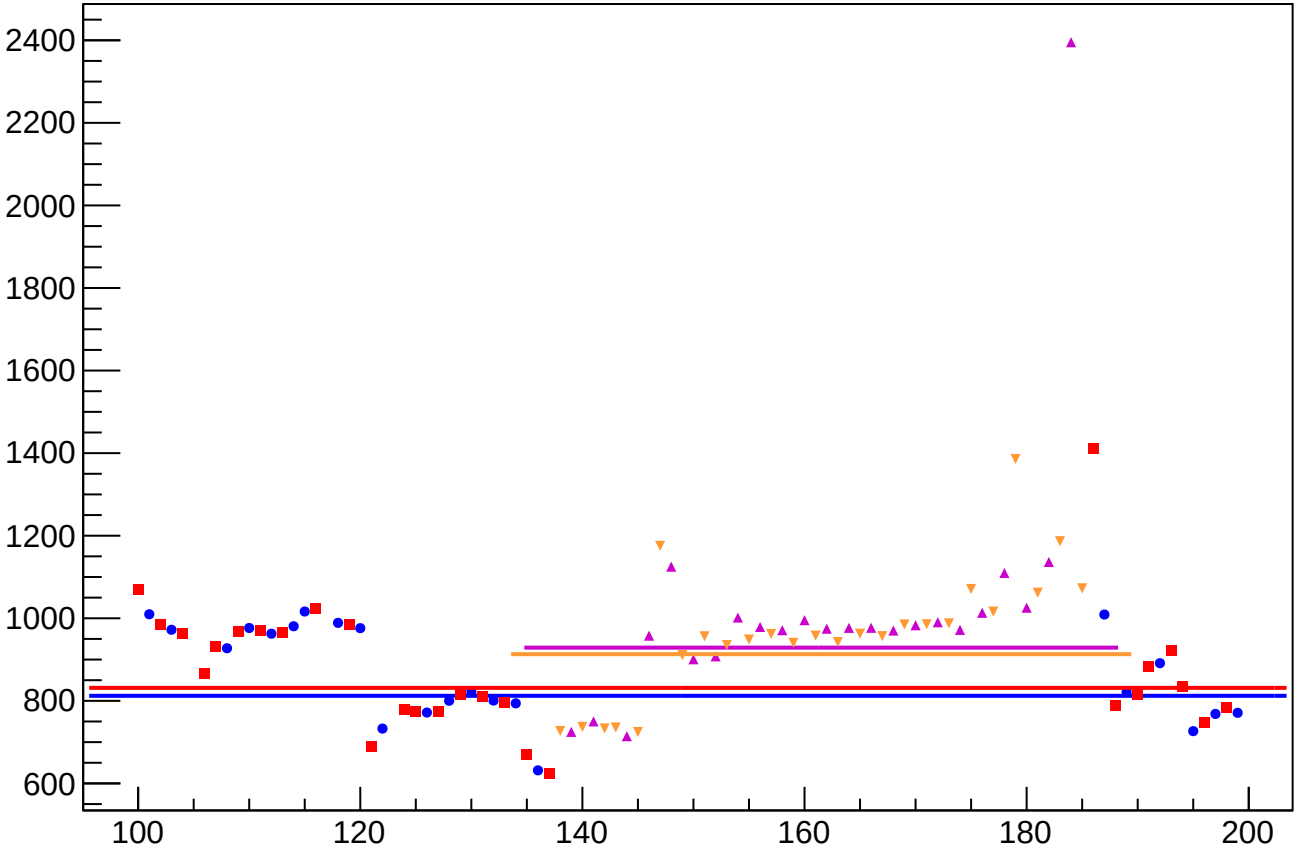
Right: 0.213+/-0.168 χ^2/NDF: 56.3/48

In: -0.014+/-0.163 χ^2/NDF:41.0/44

Out: 0.123+/-0.157 χ^2/NDF:66.8/51

All: 0.057+/-0.113 χ^2/NDF: 108.1/96

diff_bpm_4eY_4ecY_dd_rms vs Slug, Sign Corrected



Right In: 812.205+/-0.171 χ^2/NDF: 433225.4/21

Left Out: 913.070+/-0.150 χ^2/NDF:889200.0/24

Right Out: 831.512+/-0.166 χ^2/NDF: 508954.3/26

Left In: 928.913+/-0.156 χ^2/NDF:769065.0/22

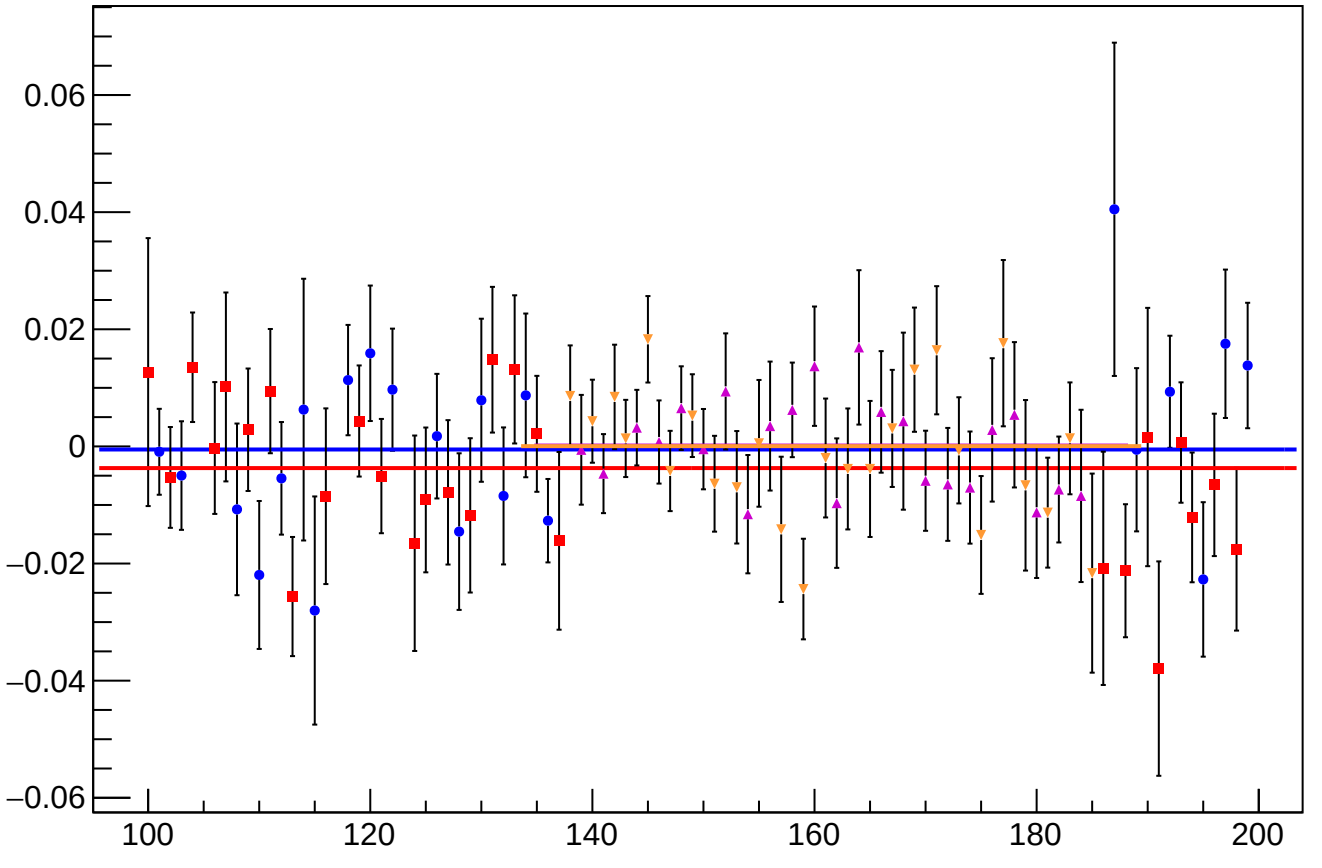
Left: 920.657+/-0.108 χ^2/NDF: 1663617.7/47

Right: 822.136+/-0.119 χ^2/NDF: 948751.2/48

In: 875.719+/-0.115 χ^2/NDF:1456352.0/44

Out: 876.445+/-0.111 χ^2/NDF:1531177.8/51

All: 876.095+/-0.080 χ^2/NDF: 2987550.4/96



Right In: -0.001+/-0.002 χ^2/NDF: 25.6/21

Left Out: 0.000+/-0.002 χ^2/NDF:31.1/24

Right Out: -0.004+/-0.002 χ^2/NDF: 26.8/26

Left In: 0.000+/-0.002 χ^2/NDF:12.8/22

Left: 0.000+/-0.001 χ^2/NDF: 43.9/47

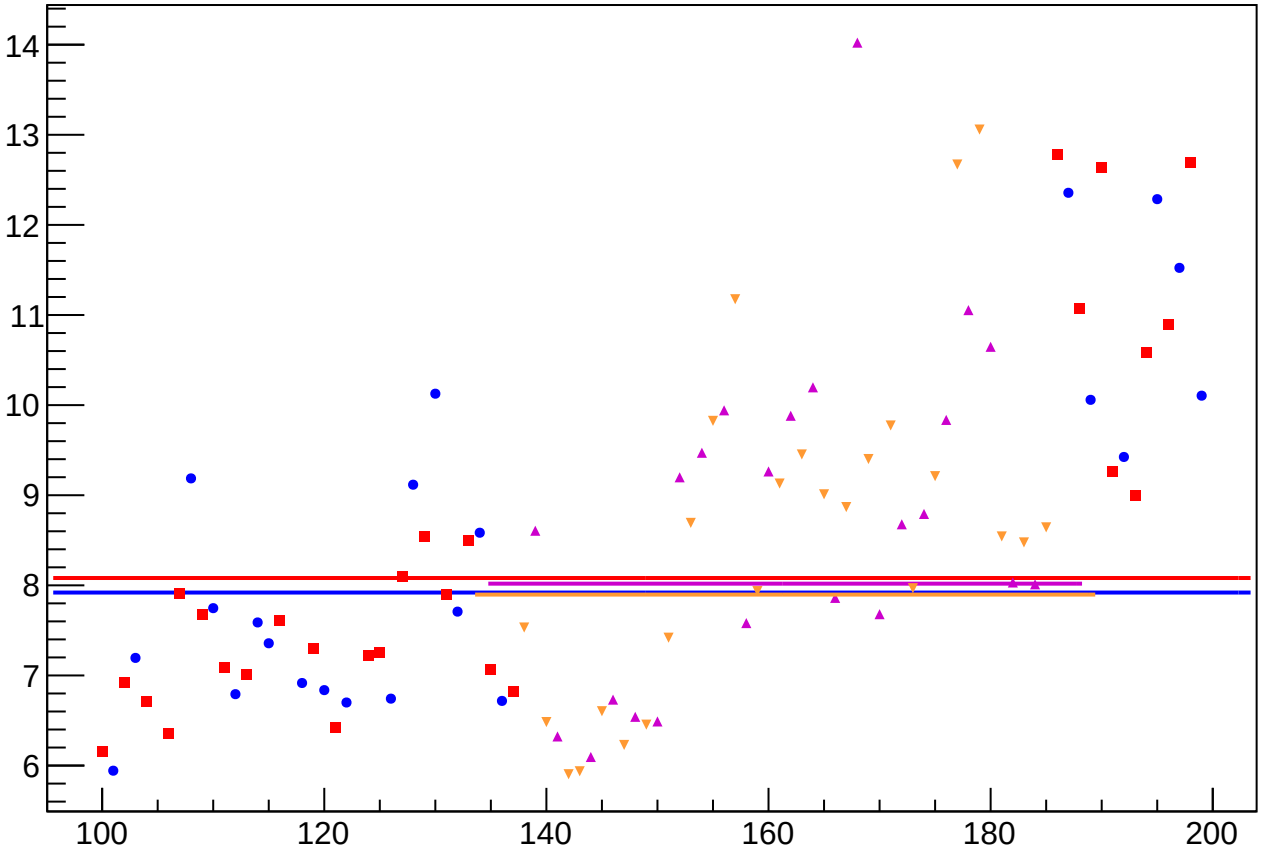
Right: -0.002+/-0.002 χ^2/NDF: 53.4/48

In: -0.000+/-0.001 χ^2/NDF:38.5/44

Out: -0.001+/-0.001 χ^2/NDF:59.6/51

All: -0.001+/-0.001 χ^2/NDF: 98.4/96

diff_dispE_bpm12X_rms vs Slug, Sign Corrected



Right In: 7.920+/-0.002 χ^2/NDF: 1032271.3/21

Left Out: 7.897+/-0.001 χ^2/NDF:1590867.7/24

Right Out: 8.081+/-0.002 χ^2/NDF: 1097003.6/26

Left In: 8.019+/-0.001 χ^2/NDF:1455714.6/22

Left: 7.956+/-0.001 χ^2/NDF: 3050743.5/47

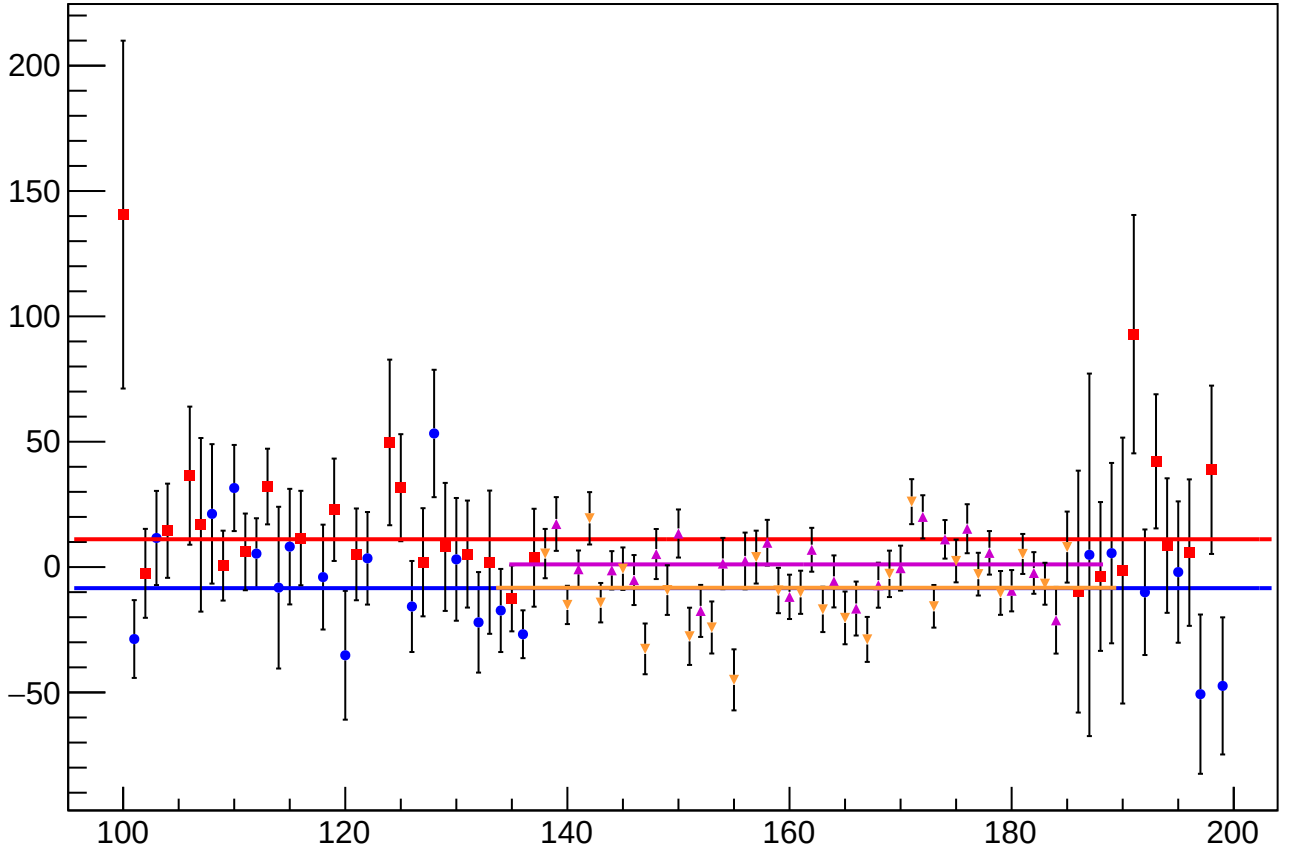
Right: 8.003+/-0.001 χ^2/NDF: 2133963.0/48

In: 7.980+/-0.001 χ^2/NDF:2490055.6/44

Out: 7.969+/-0.001 χ^2/NDF:2695592.0/51

All: 7.974+/-0.001 χ^2/NDF: 5185708.4/96

diff_targ_positionX_mean vs Slug, Sign Corrected



Right In: -8.406+/-4.234 χ^2/NDF: 27.2/21

Left Out: -8.256+/-1.849 χ^2/NDF:62.2/24

Right Out: 11.100+/-4.218 χ^2/NDF: 19.6/26

Left In: 1.072+/-1.921 χ^2/NDF:28.8/22

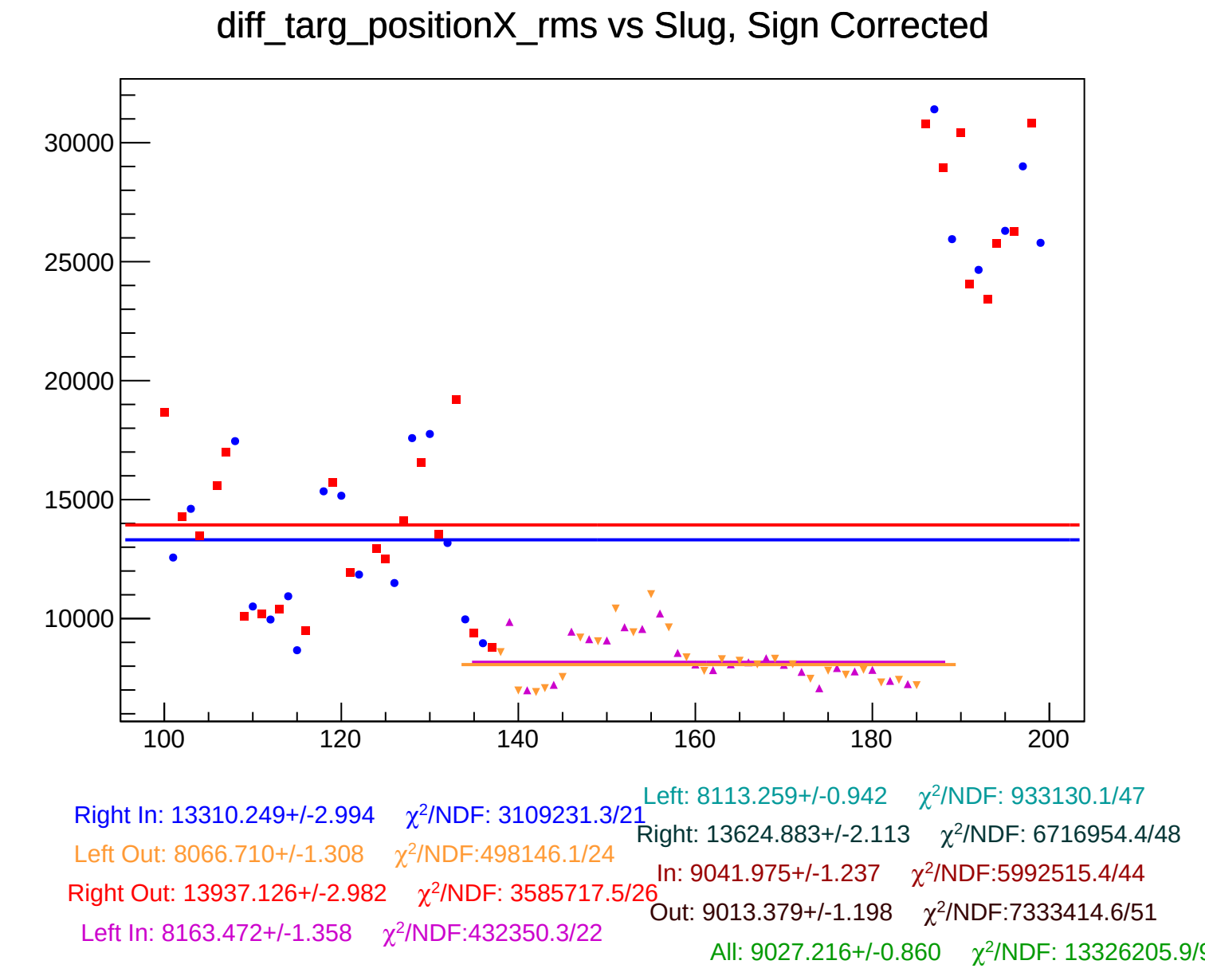
Left: -3.769+/-1.332 χ^2/NDF: 103.2/47

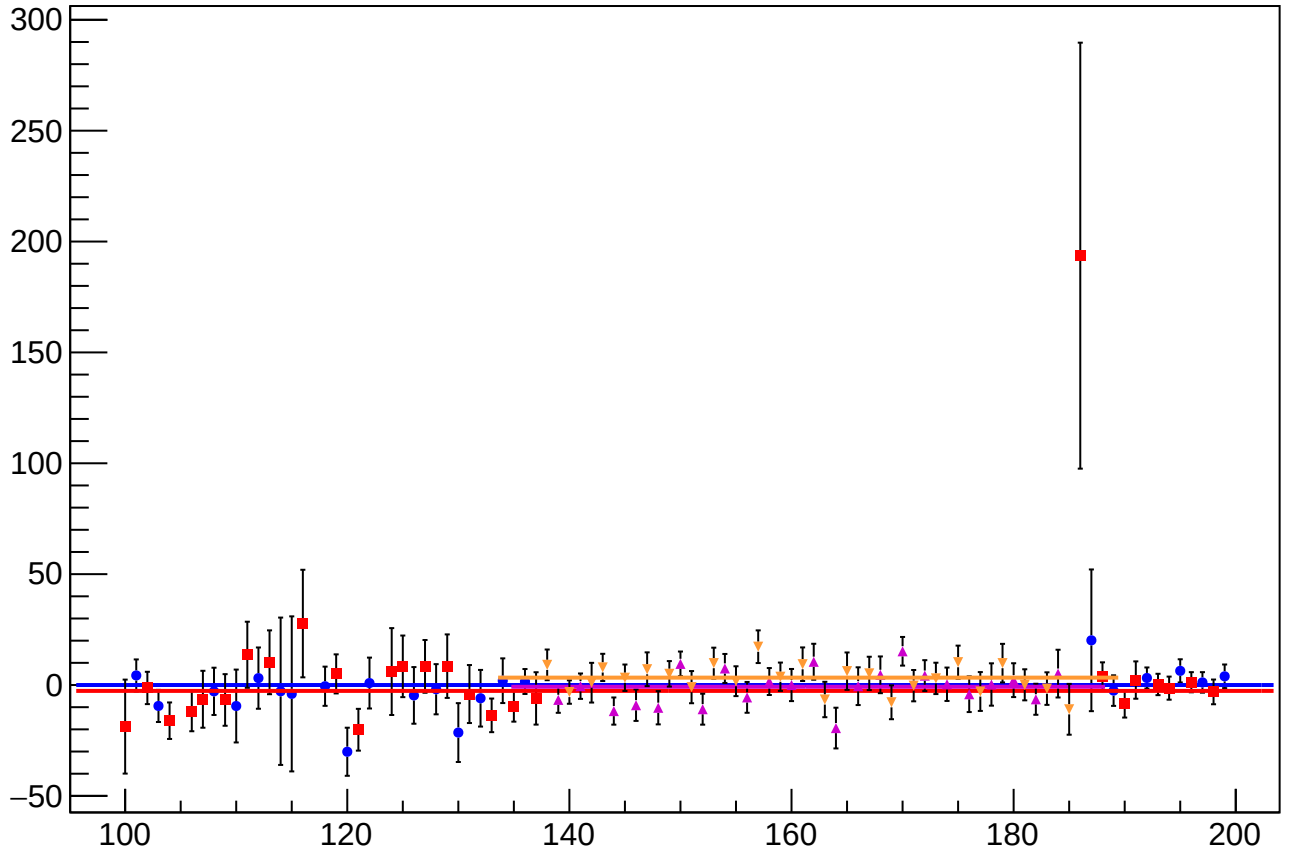
Right: 1.384+/-2.988 χ^2/NDF: 57.4/48

In: -0.546+/-1.749 χ^2/NDF:60.2/44

Out: -5.135+/-1.694 χ^2/NDF:99.4/51

All: -2.914+/-1.217 χ^2/NDF: 163.2/96


diff_targ_positionX_rms vs Slug, Sign Corrected
30000
25000
20000
15000
10000
100
120
140
160
180
200
Right In: 13310.249+/-2.994 χ²/NDF: 3109231.3/21
Left Out: 8066.710+/-1.308 χ²/NDF:498146.1/24
Right Out: 13937.126+/-2.982 χ²/NDF: 3585717.5/26
Left In: 8163.472+/-1.358 χ²/NDF:432350.3/22
Left: 8113.259+/-0.942 χ²/NDF: 933130.1/47
Right: 13624.883+/-2.113 χ²/NDF: 6716954.4/48
In: 9041.975+/-1.237 χ²/NDF:5992515.4/44
Out: 9013.379+/-1.198 χ²/NDF:7333414.6/51
All: 9027.216+/-0.860 χ²/NDF: 13326205.9/9



Right In: -0.005+/-1.718 χ^2/NDF: 16.4/21

Left Out: 3.330+/-1.431 χ^2/NDF:16.9/24

Right Out: -2.649+/-1.597 χ^2/NDF: 25.3/26

Left In: -0.797+/-1.479 χ^2/NDF:29.4/22

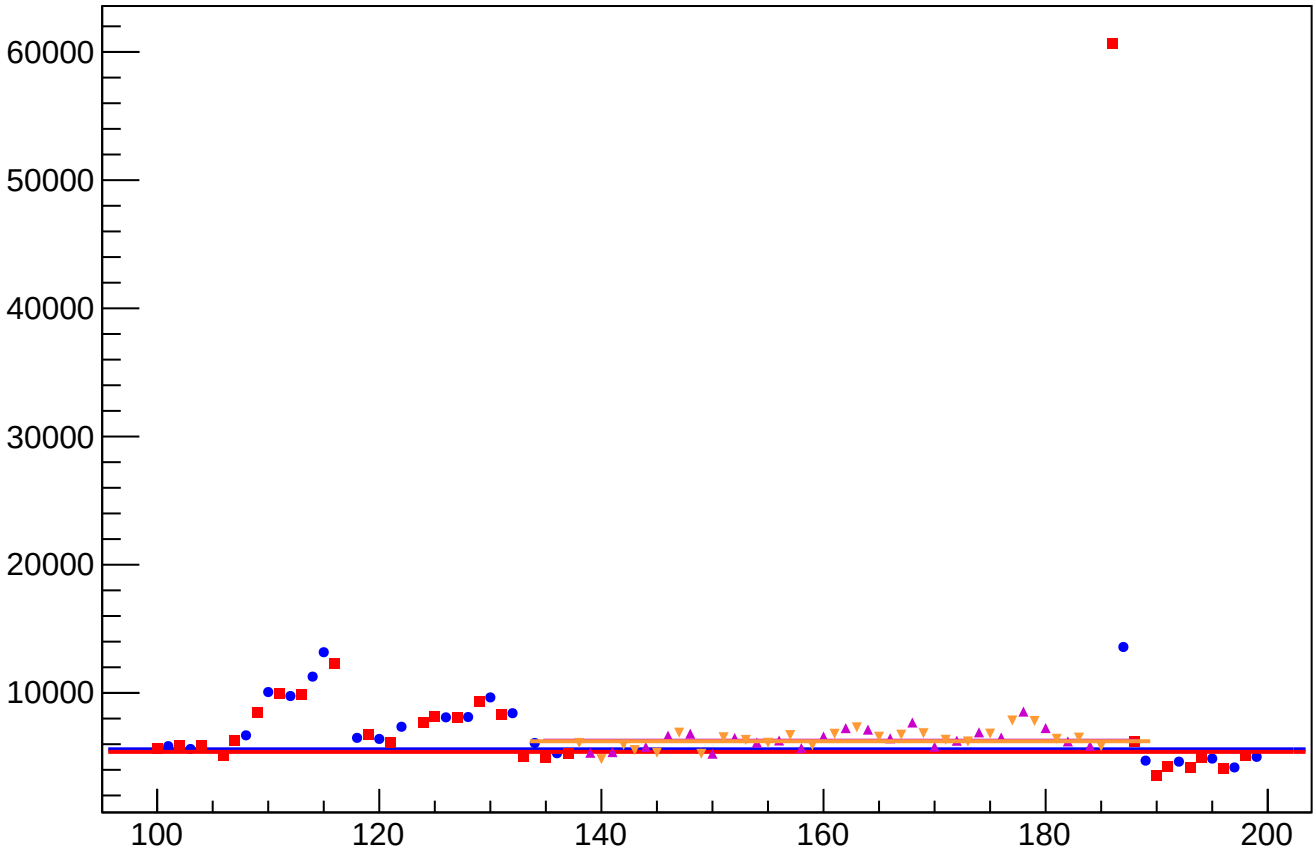
Left: 1.335+/-1.028 χ^2/NDF: 50.4/47

Right: -1.423+/-1.170 χ^2/NDF: 43.0/48

In: -0.460+/-1.121 χ^2/NDF:46.0/44

Out: 0.669+/-1.066 χ^2/NDF:50.0/51

All: 0.133+/-0.772 χ^2/NDF: 96.5/96



Right In: 5599.953+/-1.215 χ^2/NDF: 1541942.6/21

Left Out: 6230.934+/-1.012 χ^2/NDF:532579.4/24

Right Out: 5402.037+/-1.130 χ^2/NDF: 2446062.8/26

Left In: 6270.834+/-1.046 χ^2/NDF:504723.6/22

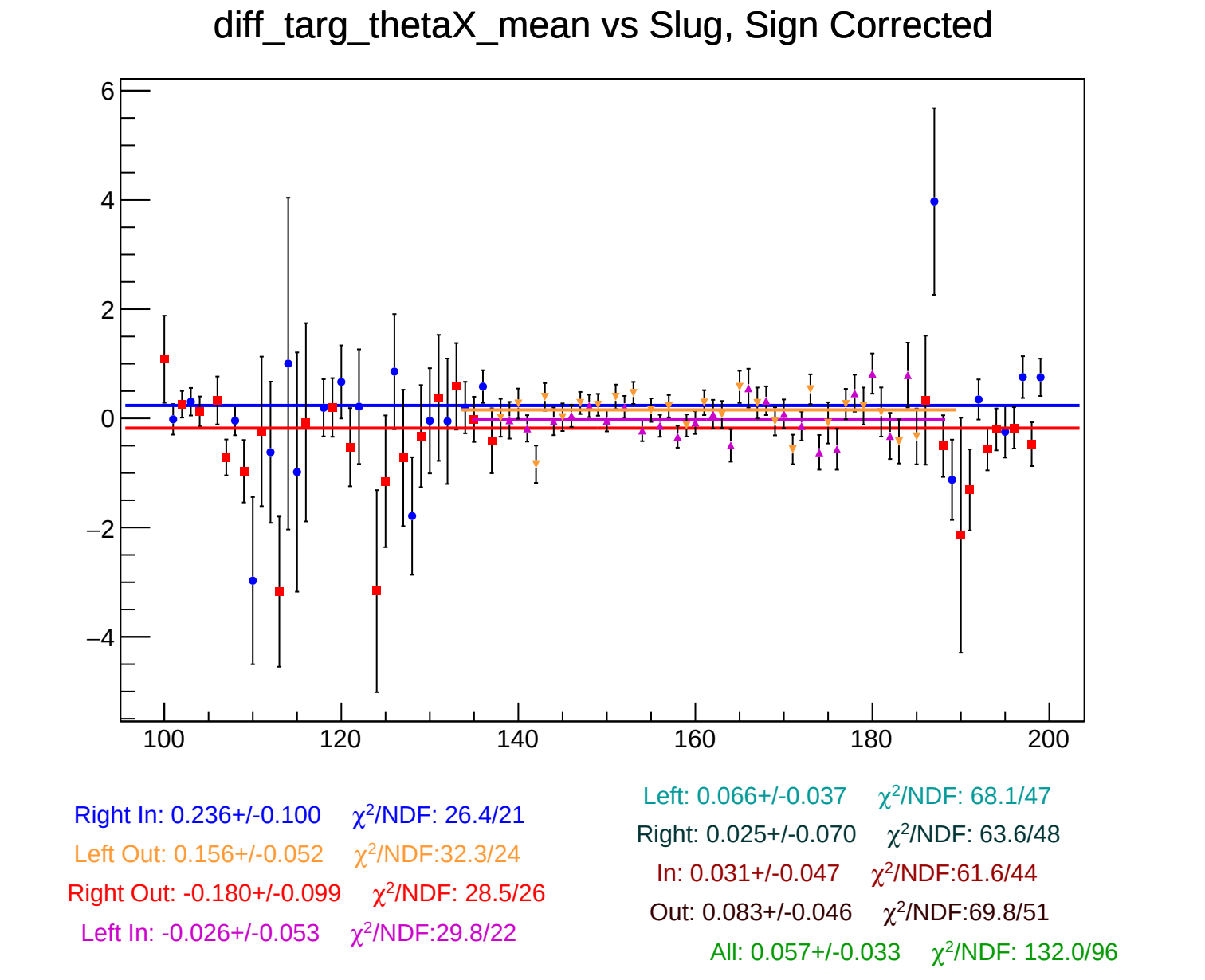
Left: 6250.225+/-0.727 χ^2/NDF: 1038055.2/47

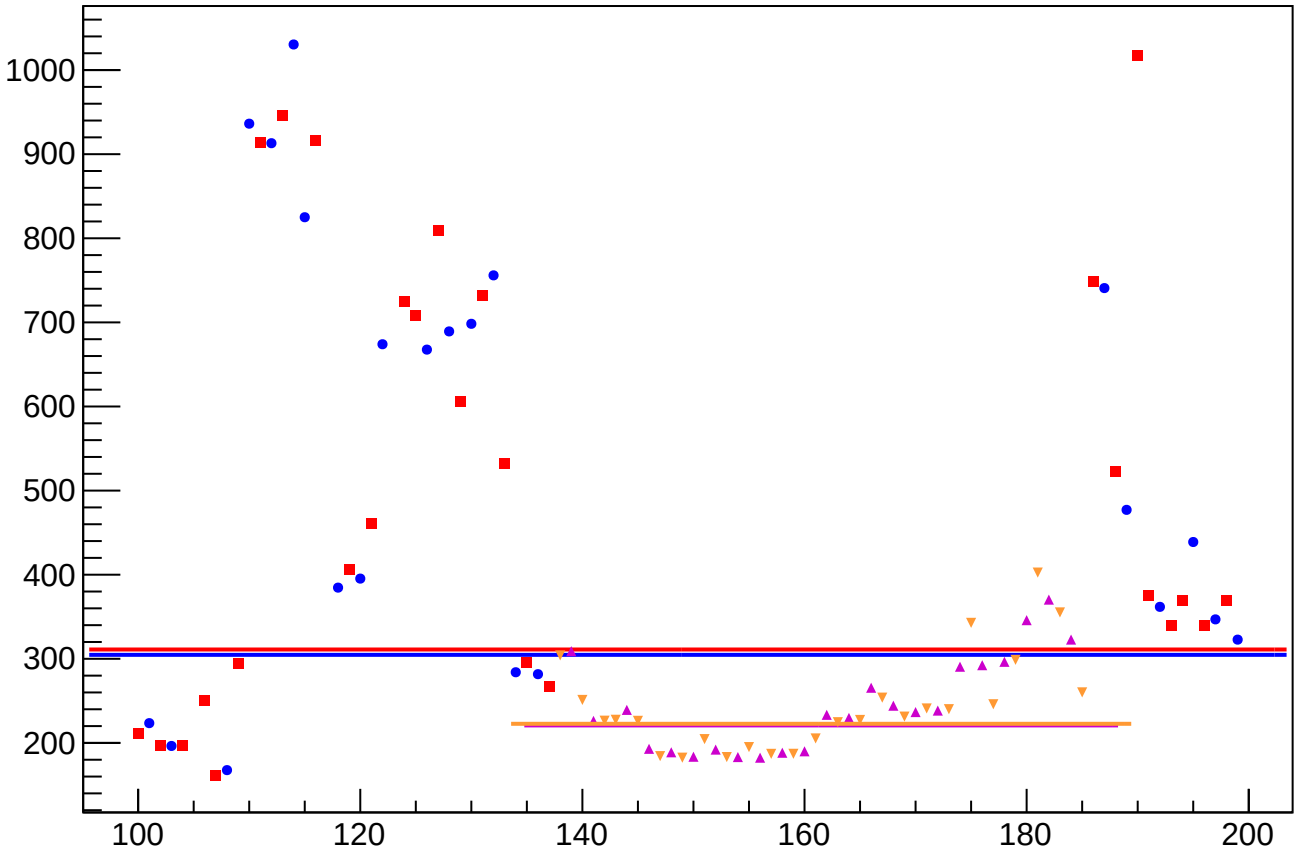
Right: 5493.798+/-0.827 χ^2/NDF: 4002240.8/48

In: 5985.365+/-0.792 χ^2/NDF:2221856.8/44

Out: 5862.013+/-0.754 χ^2/NDF:3277498.8/51

All: 5920.584+/-0.546 χ^2/NDF: 5512079.5/96


diff_targ_thetaX_mean vs Slug, Sign Corrected
6
4
2
0
−2
−4
100
120
140
160
180
200
Right In: 0.236+/-0.100 χ²/NDF: 26.4/21
Left Out: 0.156+/-0.052 χ²/NDF:32.3/24
Right Out: -0.180+/-0.099 χ²/NDF: 28.5/26
Left In: -0.026+/-0.053 χ²/NDF:29.8/22
Left: 0.066+/-0.037 χ²/NDF: 68.1/47
Right: 0.025+/-0.070 χ²/NDF: 63.6/48
In: 0.031+/-0.047 χ²/NDF:61.6/44
Out: 0.083+/-0.046 χ²/NDF:69.8/51
All: 0.057+/-0.033 χ²/NDF: 132.0/96



Right In: 304.726+/-0.071 χ^2/NDF: 4038207.1/21

Left Out: 222.727+/-0.037 χ^2/NDF:1451363.0/24

Right Out: 311.073+/-0.070 χ^2/NDF: 4630101.0/26

Left In: 220.802+/-0.037 χ^2/NDF:1471497.9/22

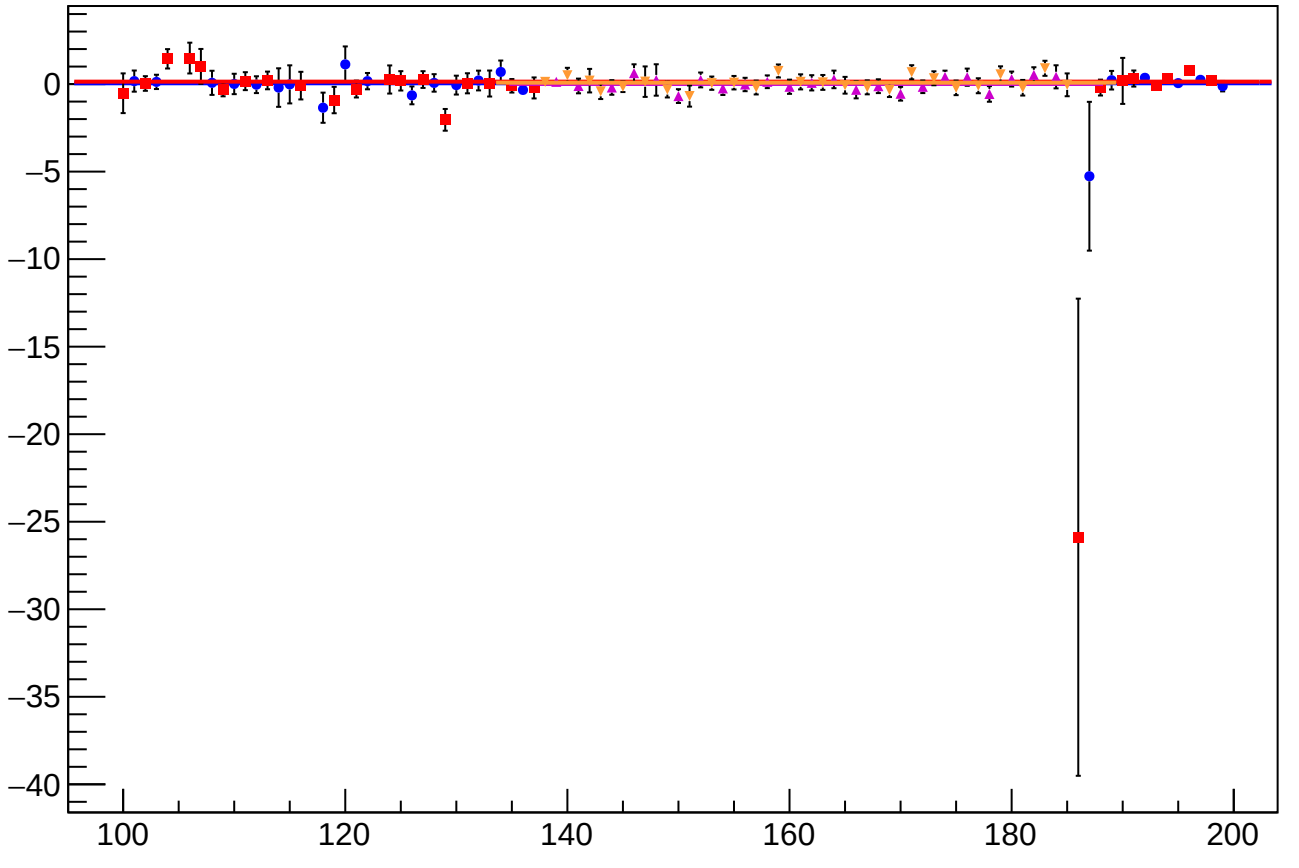
Left: 221.784+/-0.026 χ^2/NDF: 2924208.1/47

Right: 307.944+/-0.050 χ^2/NDF: 8672370.7/48

In: 239.107+/-0.033 χ^2/NDF:6604734.9/44

Out: 241.817+/-0.032 χ^2/NDF:7333185.1/51

All: 240.487+/-0.023 χ^2/NDF: 13941331.9/96



Right In: 0.046+/-0.094 χ^2/NDF: 12.6/21

Left Out: 0.079+/-0.084 χ^2/NDF:19.0/24

Right Out: 0.139+/-0.090 χ^2/NDF: 37.7/26

Left In: 0.009+/-0.083 χ^2/NDF:15.2/22

Left: 0.043+/-0.059 χ^2/NDF: 34.6/47

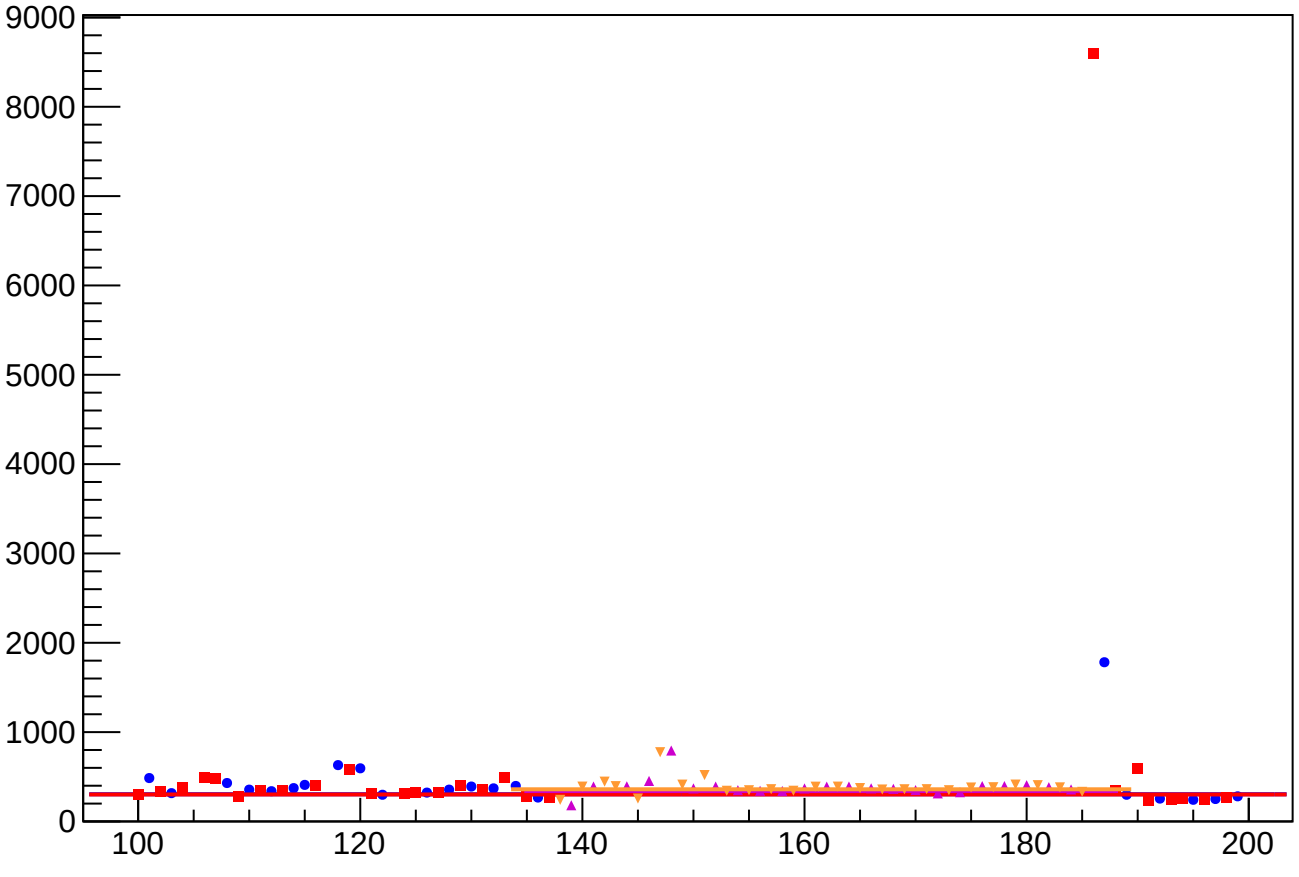
Right: 0.094+/-0.065 χ^2/NDF: 50.9/48

In: 0.025+/-0.062 χ^2/NDF:28.0/44

Out: 0.107+/-0.062 χ^2/NDF:56.9/51

All: 0.066+/-0.044 χ^2/NDF: 85.7/96

diff_targ_thetaY_rms vs Slug, Sign Corrected



Right In: 304.565+/-0.067 χ^2/NDF: 1435185.6/21

Left Out: 360.021+/-0.060 χ^2/NDF:1339748.9/24

Right Out: 302.054+/-0.064 χ^2/NDF: 1935812.1/26

Left In: 340.020+/-0.059 χ^2/NDF:2225094.5/22

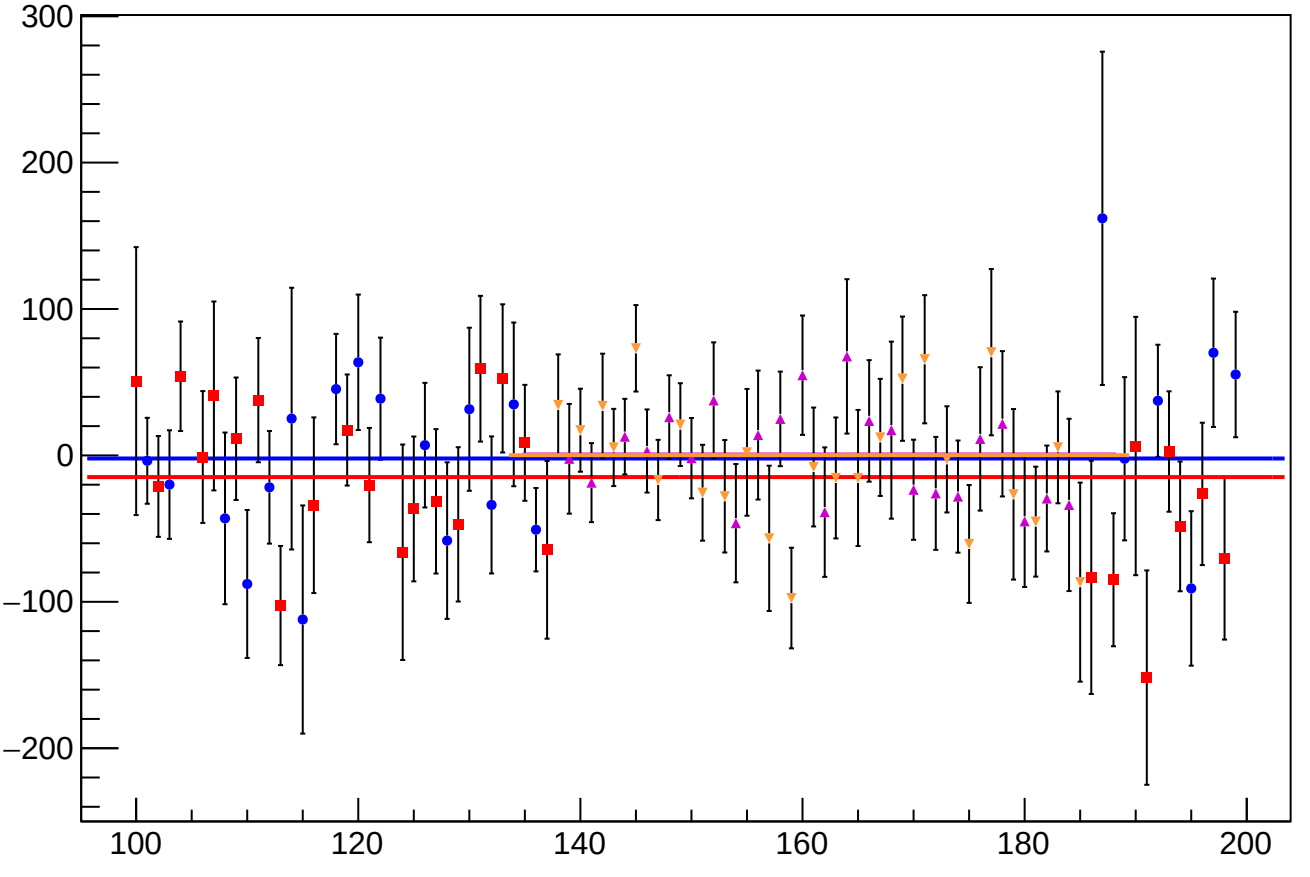
Left: 349.842+/-0.042 χ^2/NDF: 3622132.3/47

Right: 303.259+/-0.046 χ^2/NDF: 3371738.8/48

In: 324.538+/-0.044 χ^2/NDF:3820339.1/44

Out: 333.035+/-0.044 χ^2/NDF:3715710.8/51

All: 328.823+/-0.031 χ^2/NDF: 7554893.9/96



Right In: -2.105+/-9.582 χ^2/NDF: 25.6/21

Left Out: 0.168+/-7.375 χ^2/NDF:31.1/24

Right Out: -14.809+/-9.267 χ^2/NDF: 26.8/26

Left In: 0.586+/-7.667 χ^2/NDF:12.8/22

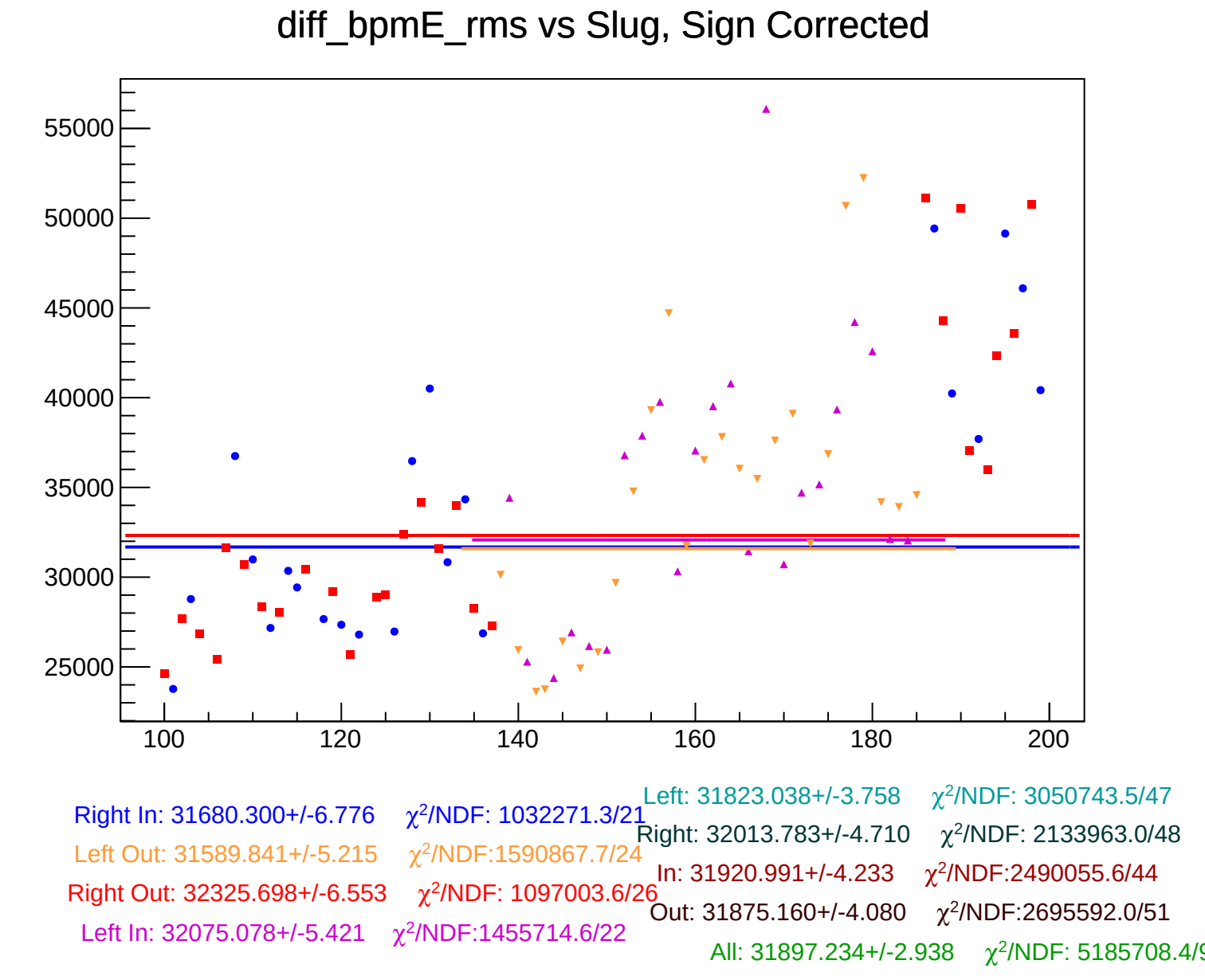
Left: 0.369+/-5.315 χ^2/NDF: 43.9/47

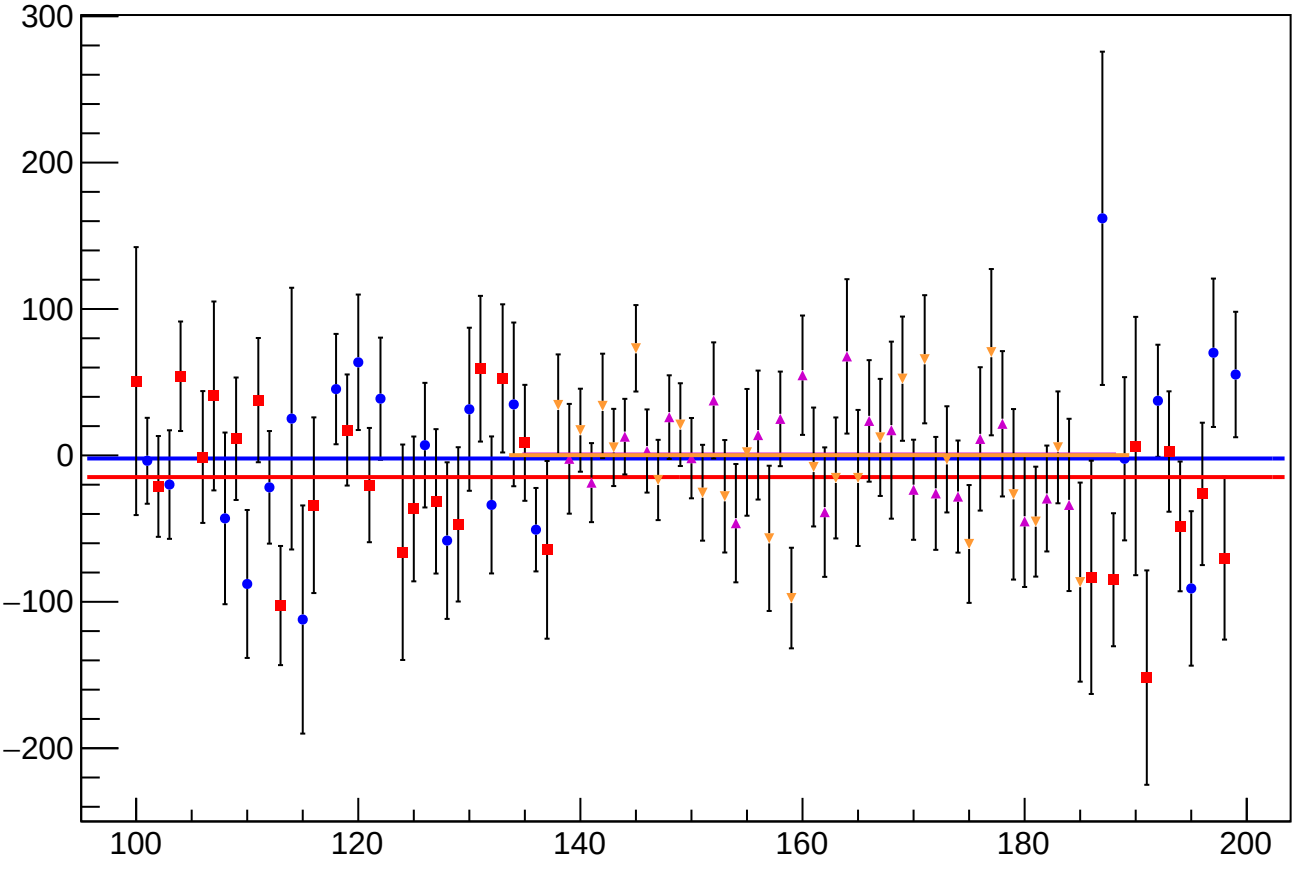
Right: -8.669+/-6.662 χ^2/NDF: 53.4/48

In: -0.464+/-5.987 χ^2/NDF:38.5/44

Out: -5.639+/-5.771 χ^2/NDF:59.6/51

All: -3.147+/-4.155 χ^2/NDF: 98.4/96


diff_bpmE_rms vs Slug, Sign Corrected
55000
50000
45000
40000
35000
30000
25000
100
120
140
160
180
200
Right In: 31680.300+/-6.776 χ²/NDF: 1032271.3/21
Left Out: 31589.841+/-5.215 χ²/NDF:1590867.7/24
Right Out: 32325.698+/-6.553 χ²/NDF: 1097003.6/26
Left In: 32075.078+/-5.421 χ²/NDF:1455714.6/22
Left: 31823.038+/-3.758 χ²/NDF: 3050743.5/47
Right: 32013.783+/-4.710 χ²/NDF: 2133963.0/48
In: 31920.991+/-4.233 χ²/NDF:2490055.6/44
Out: 31875.160+/-4.080 χ²/NDF:2695592.0/51
All: 31897.234+/-2.938 χ²/NDF: 5185708.4/9



Right In: -2.105+/-9.582 χ^2/NDF: 25.6/21

Left Out: 0.168+/-7.375 χ^2/NDF:31.1/24

Right Out: -14.809+/-9.267 χ^2/NDF: 26.8/26

Left In: 0.586+/-7.667 χ^2/NDF:12.8/22

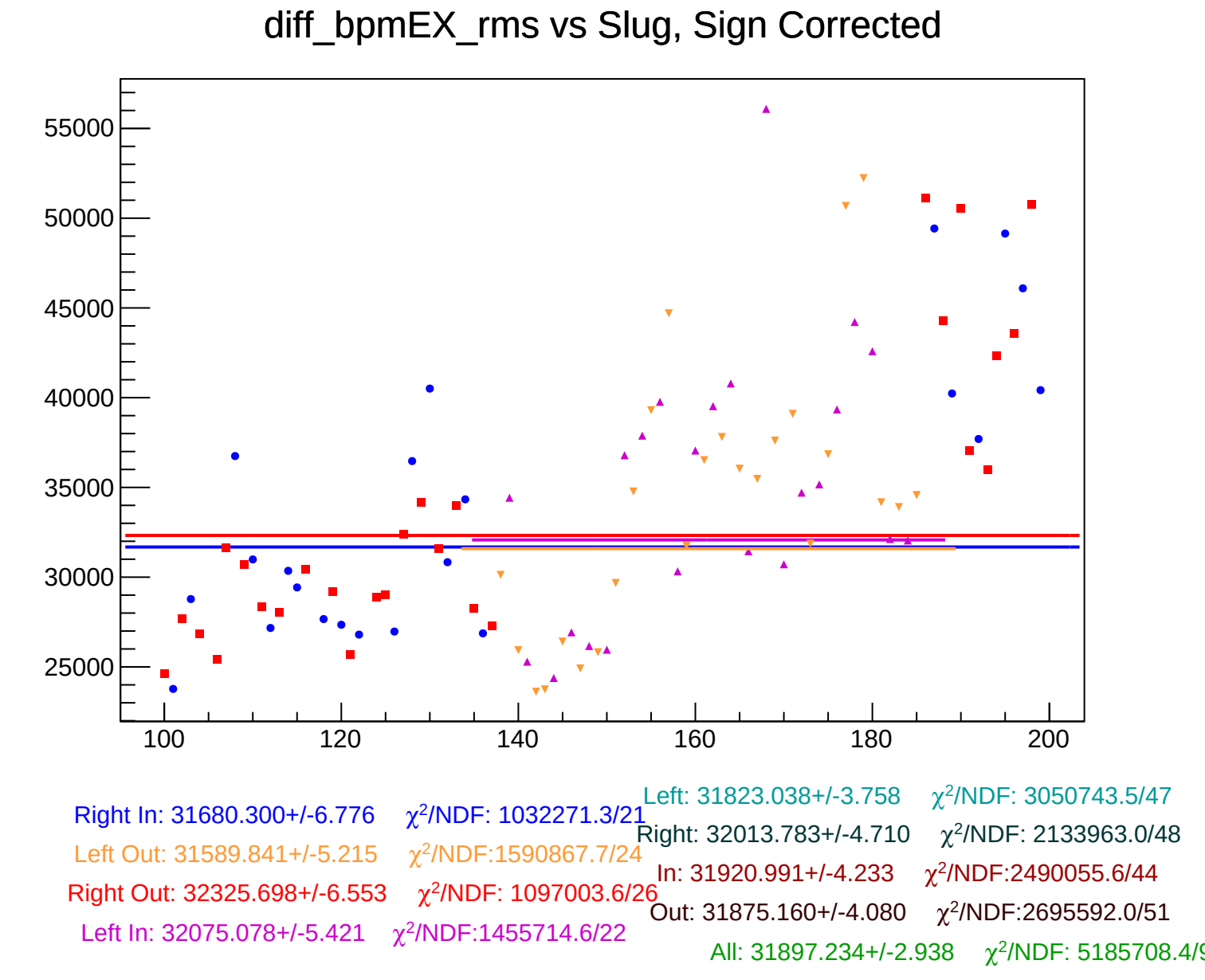
Left: 0.369+/-5.315 χ^2/NDF: 43.9/47

Right: -8.669+/-6.662 χ^2/NDF: 53.4/48

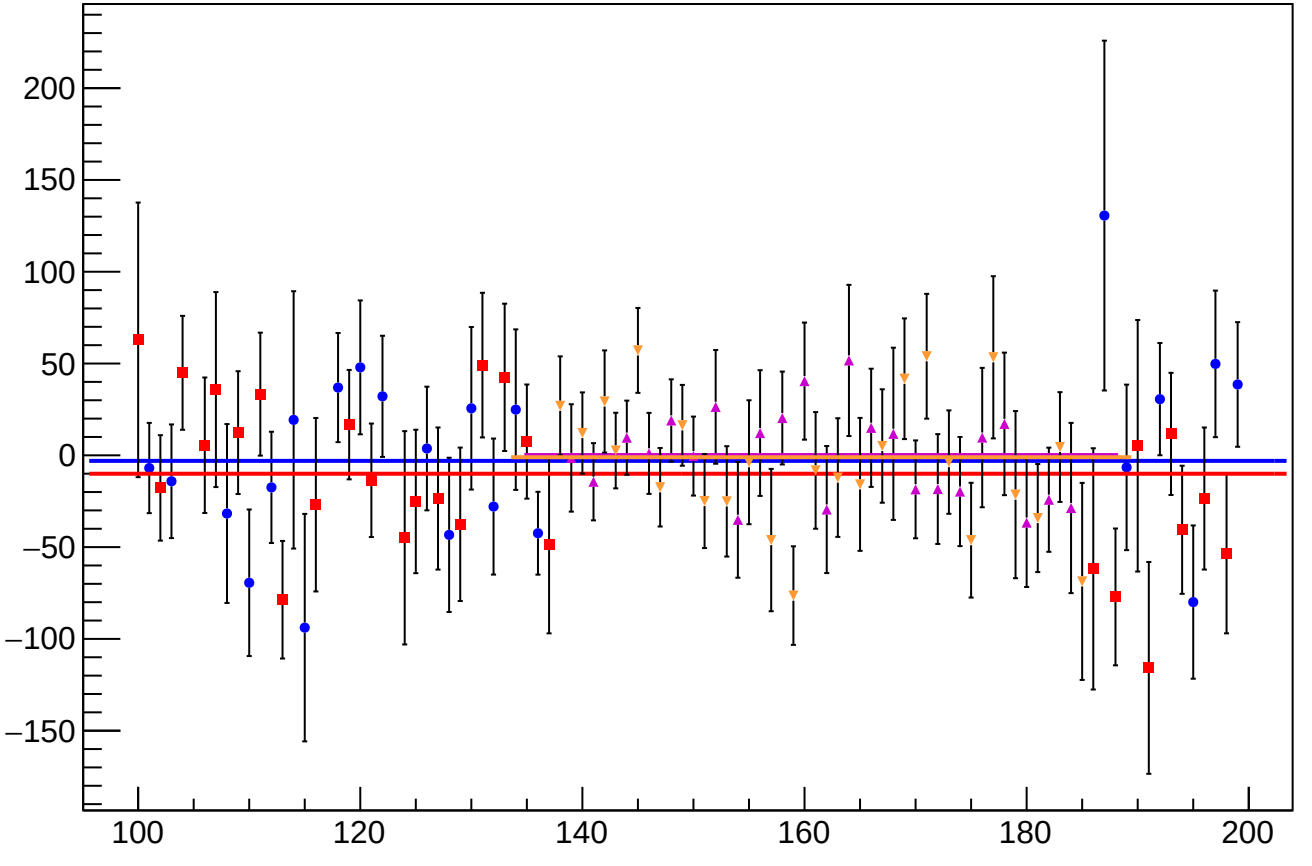
In: -0.464+/-5.987 χ^2/NDF:38.5/44

Out: -5.639+/-5.771 χ^2/NDF:59.6/51

All: -3.147+/-4.155 χ^2/NDF: 98.4/96


diff_bpmEX_rms vs Slug, Sign Corrected
55000
50000
45000
40000
35000
30000
25000
100
120
140
160
180
200
Right In: 31680.300+/-6.776 χ²/NDF: 1032271.3/21
Left Out: 31589.841+/-5.215 χ²/NDF:1590867.7/24
Right Out: 32325.698+/-6.553 χ²/NDF: 1097003.6/26
Left In: 32075.078+/-5.421 χ²/NDF:1455714.6/22
Left: 31823.038+/-3.758 χ²/NDF: 3050743.5/47
Right: 32013.783+/-4.710 χ²/NDF: 2133963.0/48
In: 31920.991+/-4.233 χ²/NDF:2490055.6/44
Out: 31875.160+/-4.080 χ²/NDF:2695592.0/51
All: 31897.234+/-2.938 χ²/NDF: 5185708.4/9

diff_bpmE_11X12X_mean vs Slug, Sign Corrected



Right In: -3.019+/-7.665 χ^2/NDF: 25.8/21

Left Out: -1.042+/-5.755 χ^2/NDF:32.3/24

Right Out: -10.032+/-7.411 χ^2/NDF: 28.3/26

Left In: 0.147+/-5.985 χ^2/NDF:12.1/22

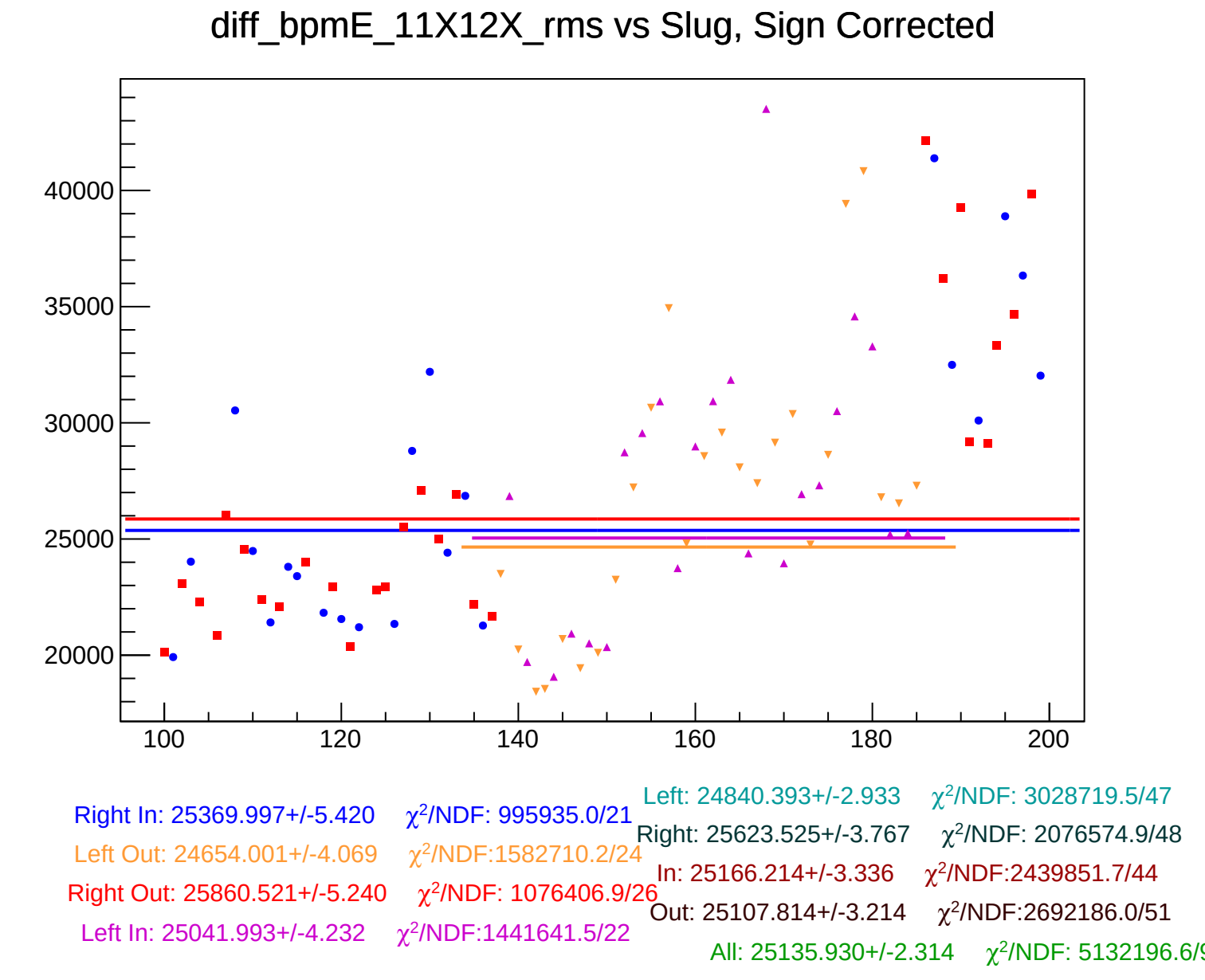
Left: -0.471+/-4.148 χ^2/NDF: 44.5/47

Right: -6.644+/-5.328 χ^2/NDF: 54.5/48

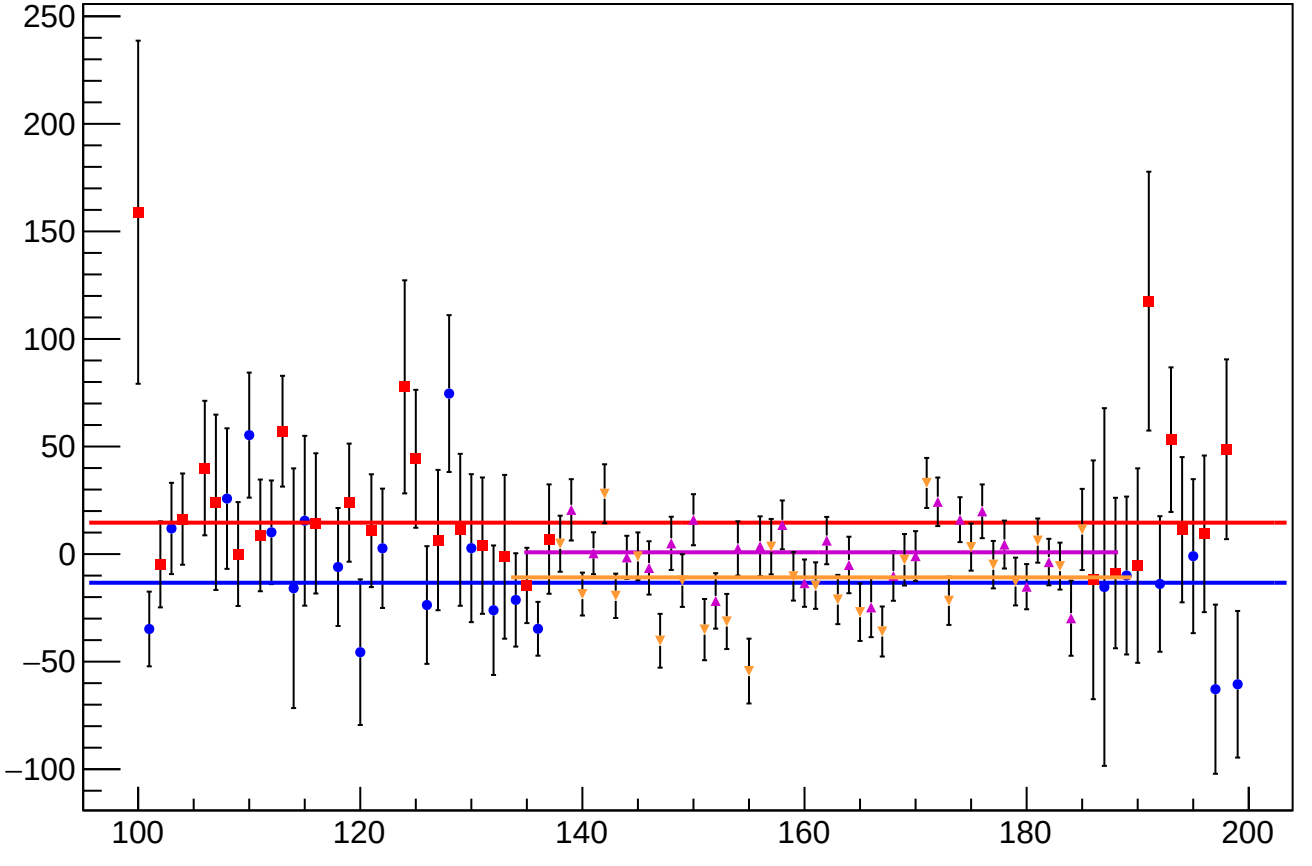
In: -1.052+/-4.717 χ^2/NDF:38.0/44

Out: -4.423+/-4.545 χ^2/NDF:61.6/51

All: -2.800+/-3.273 χ^2/NDF: 99.8/96


diff_bpmE_11X12X_rms vs Slug, Sign Corrected
40000
35000
30000
25000
20000
100
120
140
160
180
200
Right In: 25369.997+/-5.420 χ²/NDF: 995935.0/21
Left Out: 24654.001+/-4.069 χ²/NDF:1582710.2/24
Right Out: 25860.521+/-5.240 χ²/NDF: 1076406.9/26
Left In: 25041.993+/-4.232 χ²/NDF:1441641.5/22
Left: 24840.393+/-2.933 χ²/NDF: 3028719.5/47
Right: 25623.525+/-3.767 χ²/NDF: 2076574.9/48
In: 25166.214+/-3.336 χ²/NDF:2439851.7/44
Out: 25107.814+/-3.214 χ²/NDF:2692186.0/51
All: 25135.930+/-2.314 χ²/NDF: 5132196.6/9

diff_bpm4aesumX_mean vs Slug, Sign Corrected



Right In: -13.326+/-5.719 χ^2/NDF: 25.8/21

Left Out: -10.822+/-2.370 χ^2/NDF:61.3/24

Right Out: 14.610+/-5.817 χ^2/NDF: 19.7/26

Left In: 0.826+/-2.457 χ^2/NDF:29.4/22

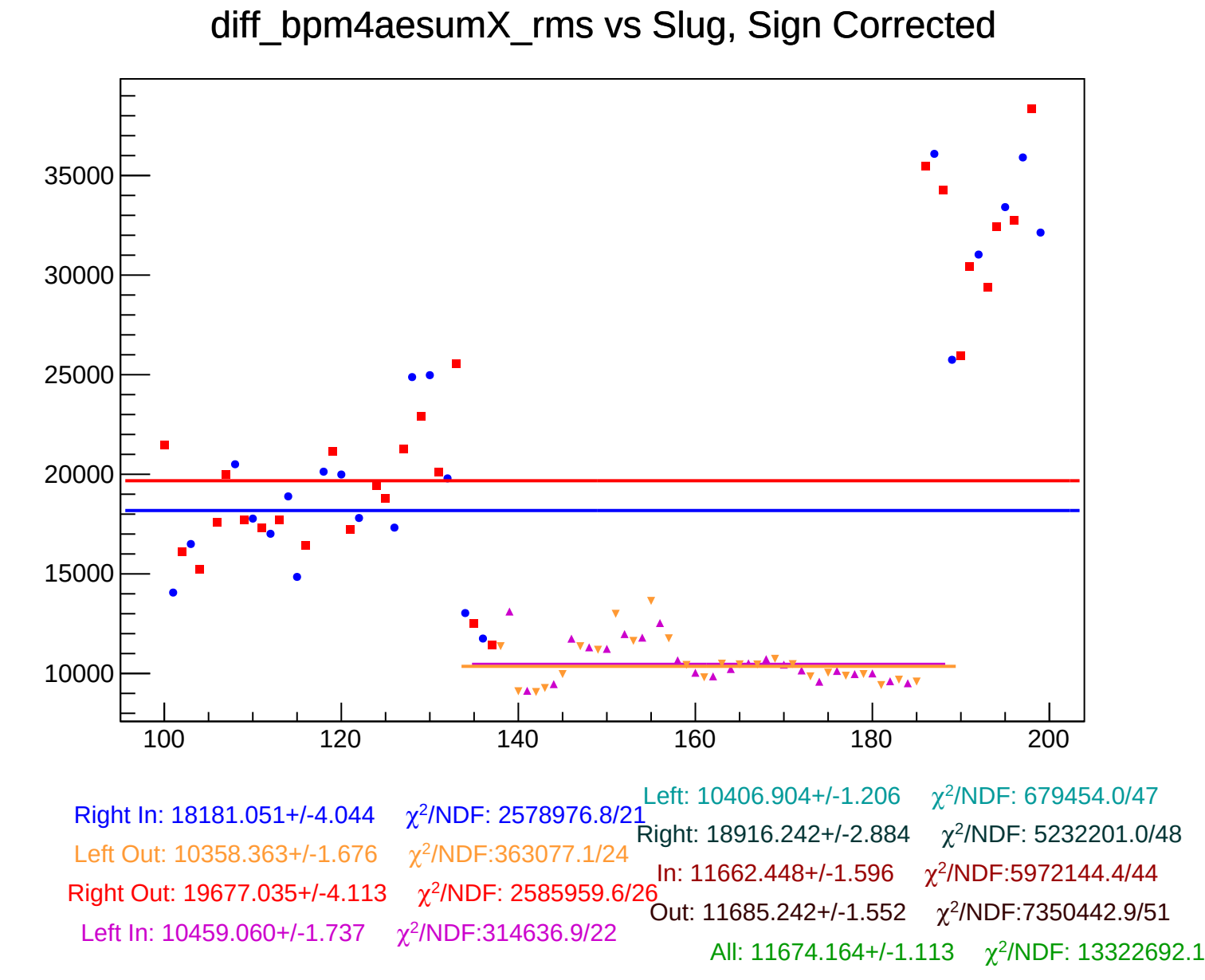
Left: -5.207+/-1.706 χ^2/NDF: 102.3/47

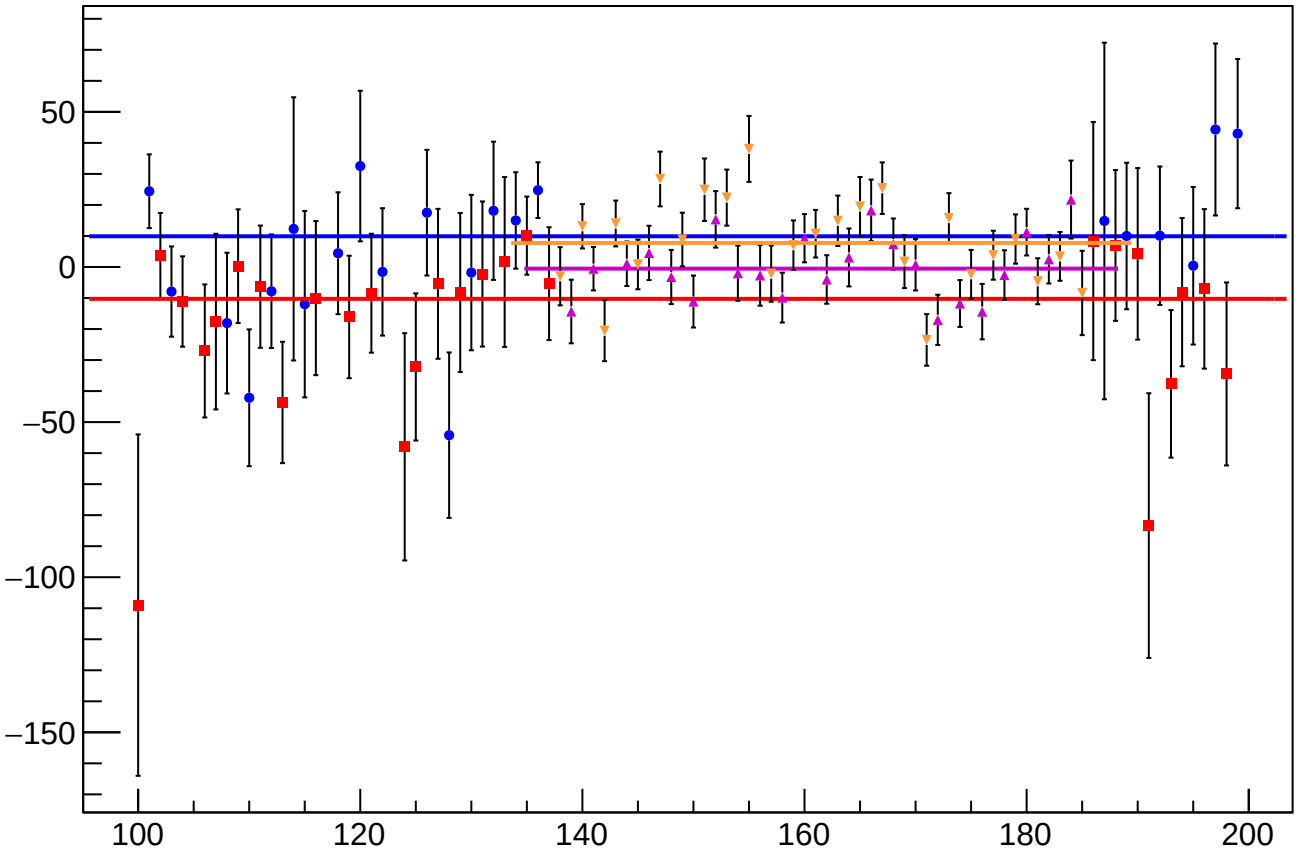
Right: 0.403+/-4.078 χ^2/NDF: 57.3/48

In: -1.379+/-2.257 χ^2/NDF:60.4/44

Out: -7.201+/-2.195 χ^2/NDF:97.4/51

All: -4.372+/-1.574 χ^2/NDF: 161.2/96


diff_bpm4aesumX_rms vs Slug, Sign Corrected
35000
30000
25000
20000
15000
10000
100
120
140
160
180
200
Right In: 18181.051+/-4.044 χ²/NDF: 2578976.8/21
Left Out: 10358.363+/-1.676 χ²/NDF:363077.1/24
Right Out: 19677.035+/-4.113 χ²/NDF: 2585959.6/26
Left In: 10459.060+/-1.737 χ²/NDF:314636.9/22
Left: 10406.904+/-1.206 χ²/NDF: 679454.0/47
Right: 18916.242+/-2.884 χ²/NDF: 5232201.0/48
In: 11662.448+/-1.596 χ²/NDF:5972144.4/44
Out: 11685.242+/-1.552 χ²/NDF:7350442.9/51
All: 11674.164+/-1.113 χ²/NDF: 13322692.1



Right In: 9.897+/-4.089 χ^2/NDF: 25.5/21

Left Out: 7.763+/-1.691 χ^2/NDF:60.9/24

Right Out: -10.268+/-4.169 χ^2/NDF: 19.9/26

Left In: -0.532+/-1.752 χ^2/NDF:29.4/22

Left: 3.761+/-1.217 χ^2/NDF: 102.0/47

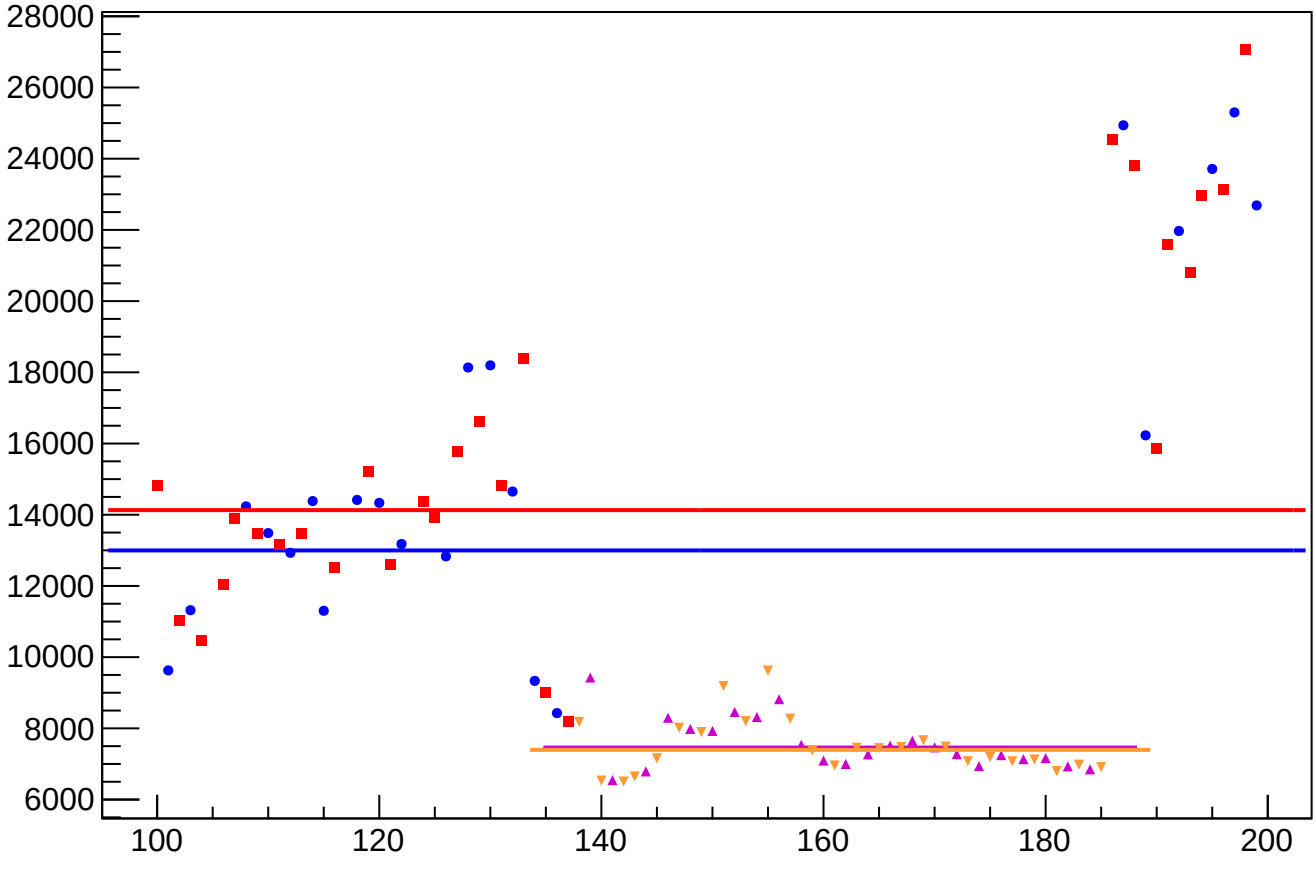
Right: 0.011+/-2.919 χ^2/NDF: 57.3/48

In: 1.086+/-1.610 χ^2/NDF:60.5/44

Out: 5.215+/-1.567 χ^2/NDF:96.9/51

All: 3.206+/-1.123 χ^2/NDF: 160.7/96

diff_bpm4aediffX_rms vs Slug, Sign Corrected



Right In: 12997.367+/-2.891 χ^2/NDF: 2542542.2/21

Left Out: 7395.667+/-1.196 χ^2/NDF:324459.4/24

Right Out: 14128.913+/-2.948 χ^2/NDF: 2503713.4/26

Left In: 7460.824+/-1.239 χ^2/NDF:284034.9/22

Left: 7427.101+/-0.860 χ^2/NDF: 609926.1/47

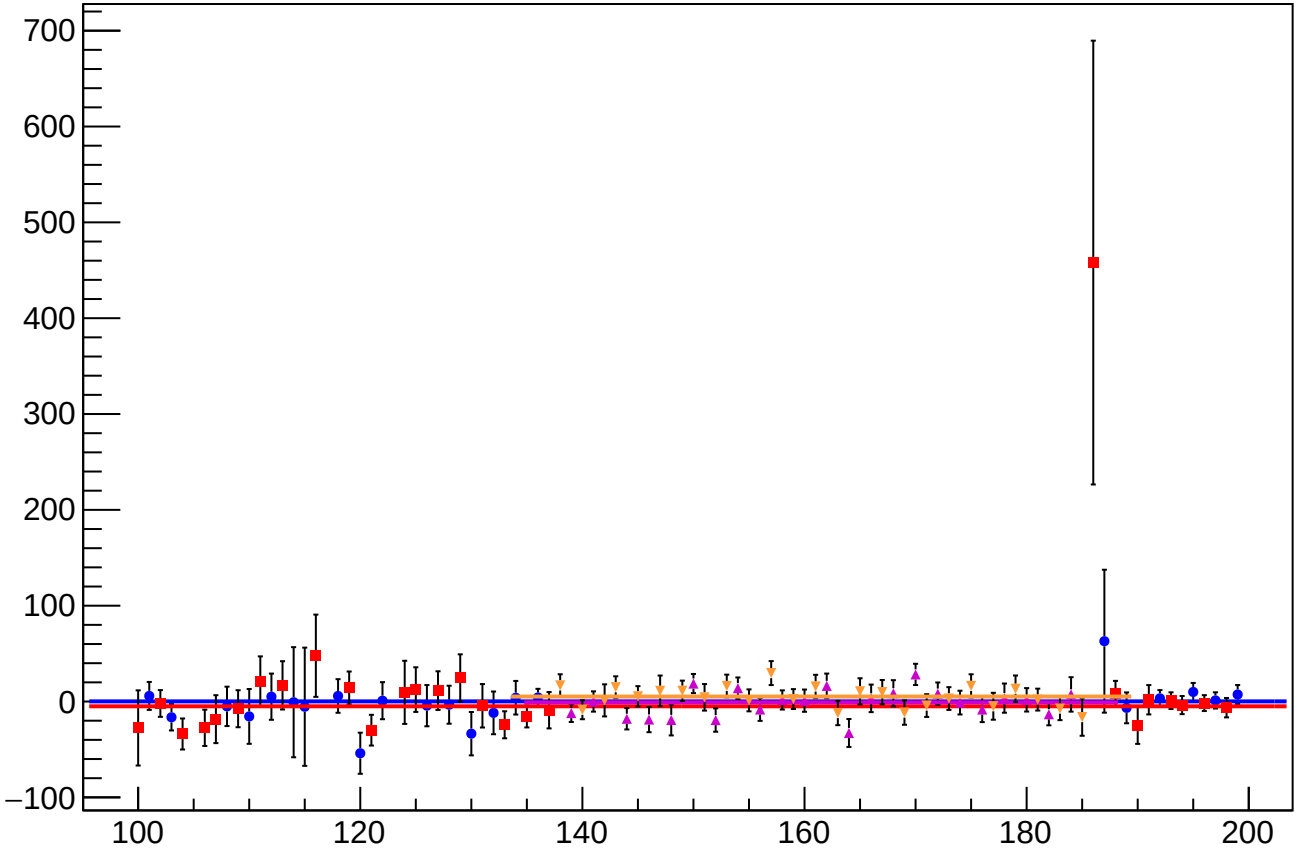
Right: 13552.141+/-2.064 χ^2/NDF: 5121341.3/48

In: 8319.507+/-1.139 χ^2/NDF:5924379.8/44

Out: 8347.219+/-1.108 χ^2/NDF:7306959.0/51

All: 8333.738+/-0.794 χ^2/NDF: 13231643.0/9

diff_bpm4aesumY_mean vs Slug, Sign Corrected



Right In: 0.142+/-3.142 χ^2/NDF: 14.0/21

Left Out: 5.178+/-2.459 χ^2/NDF:18.4/24

Right Out: -4.984+/-2.977 χ^2/NDF: 24.6/26

Left In: -0.891+/-2.519 χ^2/NDF:31.8/22

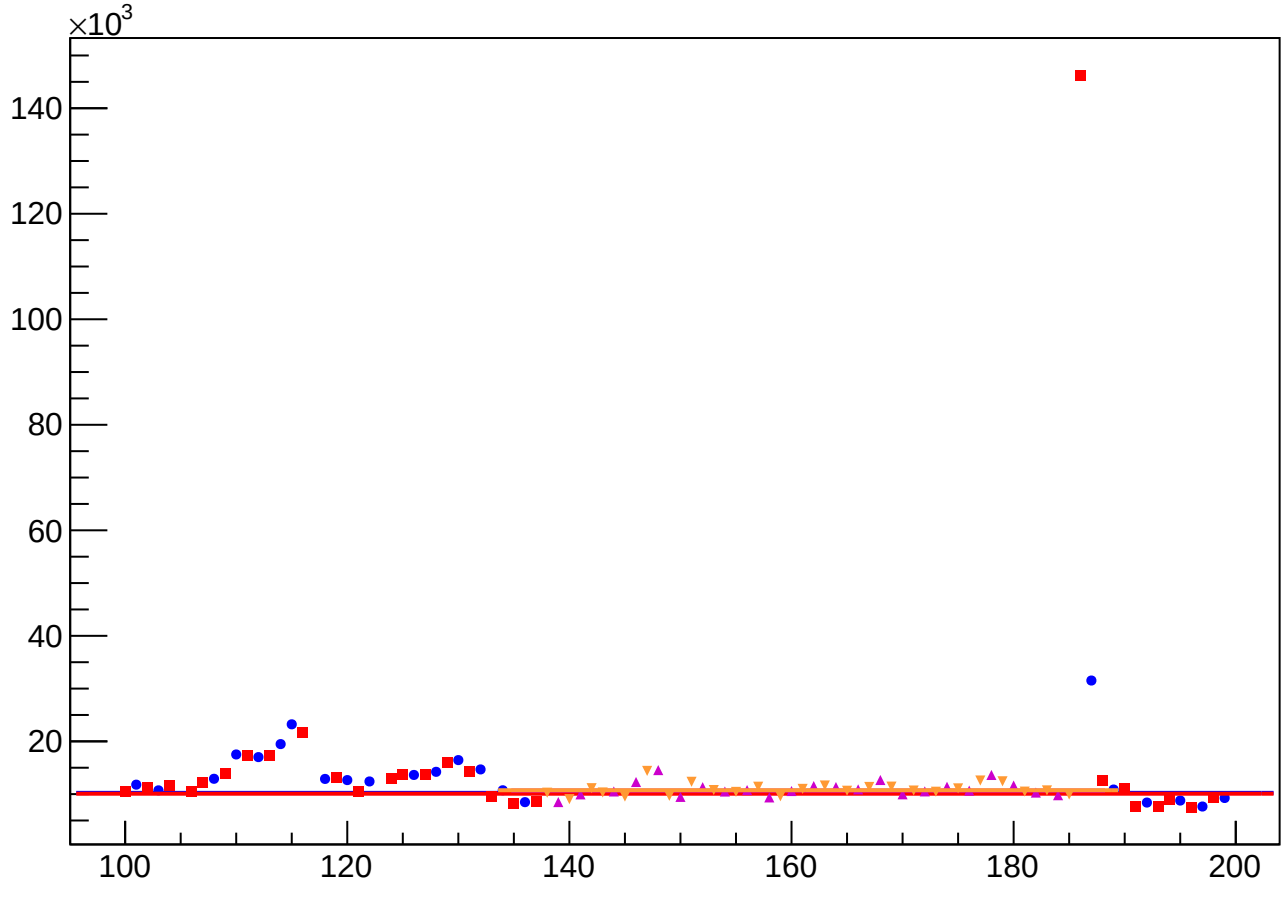
Left: 2.216+/-1.759 χ^2/NDF: 53.2/47

Right: -2.560+/-2.161 χ^2/NDF: 40.0/48

In: -0.487+/-1.965 χ^2/NDF:45.8/44

Out: 1.056+/-1.896 χ^2/NDF:49.9/51

All: 0.312+/-1.364 χ^2/NDF: 96.1/96



Right In: 10235.636+/-2.222 χ^2/NDF: 1533555.0/21

Left Out: 10733.733+/-1.739 χ^2/NDF:368279.7/24

Right Out: 10076.040+/-2.105 χ^2/NDF: 2254096.8/26

Left In: 10677.154+/-1.781 χ^2/NDF:500574.4/22

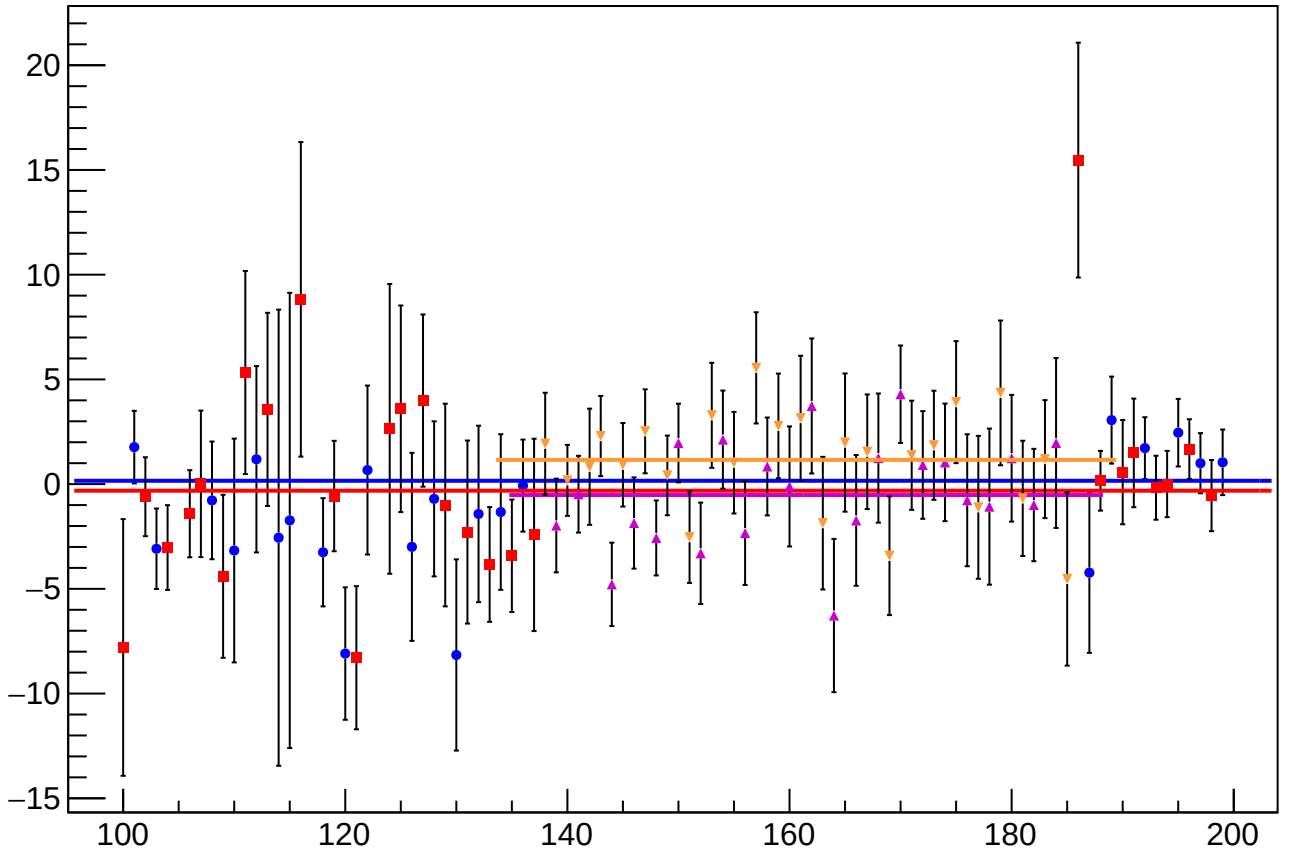
Left: 10706.122+/-1.244 χ^2/NDF: 869370.9/47

Right: 10151.521+/-1.528 χ^2/NDF: 3790370.9/48

In: 10504.463+/-1.390 χ^2/NDF:2058170.7/44

Out: 10466.978+/-1.340 χ^2/NDF:2680413.6/51

All: 10485.046+/-0.965 χ^2/NDF: 4738961.2/9



Right In: 0.160+/-0.521 χ^2/NDF: 24.2/21

Left Out: 1.158+/-0.500 χ^2/NDF:16.8/24

Right Out: -0.313+/-0.482 χ^2/NDF: 29.7/26

Left In: -0.522+/-0.520 χ^2/NDF:22.3/22

Left: 0.350+/-0.360 χ^2/NDF: 44.6/47

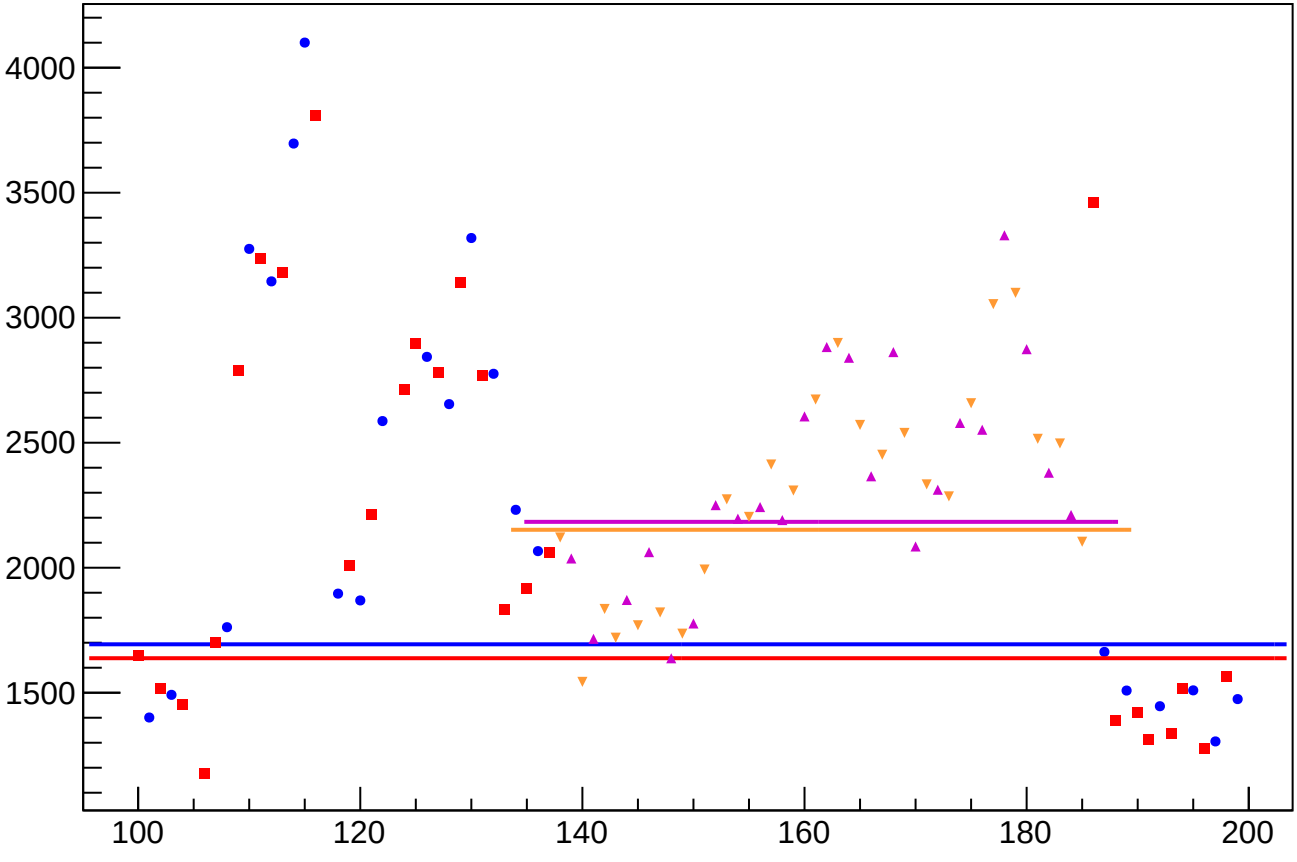
Right: -0.095+/-0.354 χ^2/NDF: 54.3/48

In: -0.181+/-0.368 χ^2/NDF:47.3/44

Out: 0.395+/-0.347 χ^2/NDF:51.0/51

All: 0.124+/-0.252 χ^2/NDF: 99.6/96

diff_bpm4aediffY_rms vs Slug, Sign Corrected



Right In: 1693.699+/-0.368 χ^2/NDF: 1785701.9/21

Left Out: 2151.757+/-0.354 χ^2/NDF:1349537.9/24

Right Out: 1638.035+/-0.341 χ^2/NDF: 2251772.5/26

Left In: 2183.482+/-0.368 χ^2/NDF:1162266.2/22

Left: 2167.006+/-0.255 χ^2/NDF: 2515672.1/47

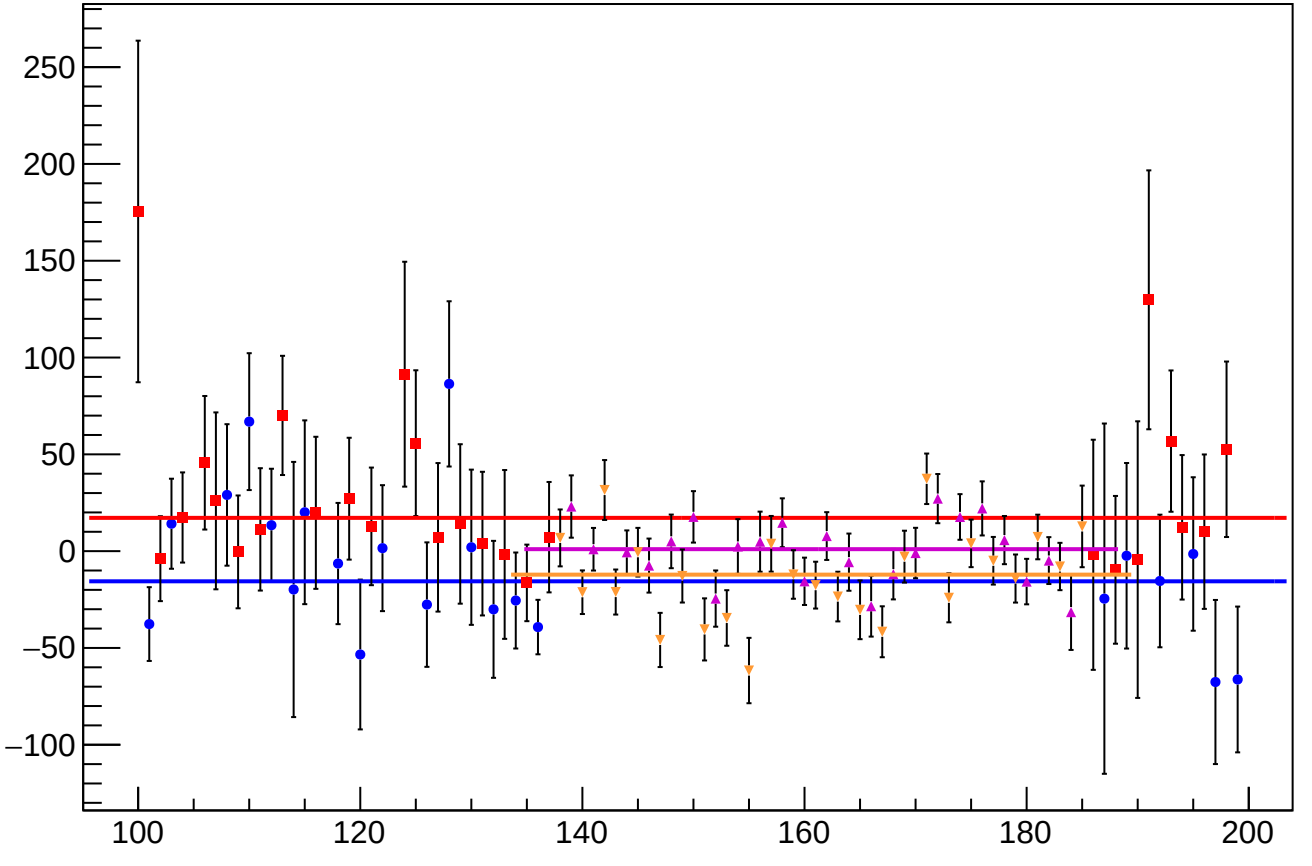
Right: 1663.715+/-0.250 χ^2/NDF: 4049783.3/48

In: 1939.012+/-0.260 χ^2/NDF:3834058.3/44

Out: 1885.378+/-0.245 χ^2/NDF:4695475.8/51

All: 1910.630+/-0.179 χ^2/NDF: 8552025.9/96

diff_bpmtargetsumX_mean vs Slug, Sign Corrected



Right In: -15.581+/-6.514 χ^2/NDF: 25.5/21

Left Out: -12.135+/-2.661 χ^2/NDF:62.6/24

Right Out: 17.191+/-6.647 χ^2/NDF: 19.8/26

Left In: 1.024+/-2.758 χ^2/NDF:28.8/22

Left: -5.790+/-1.915 χ^2/NDF: 103.2/47

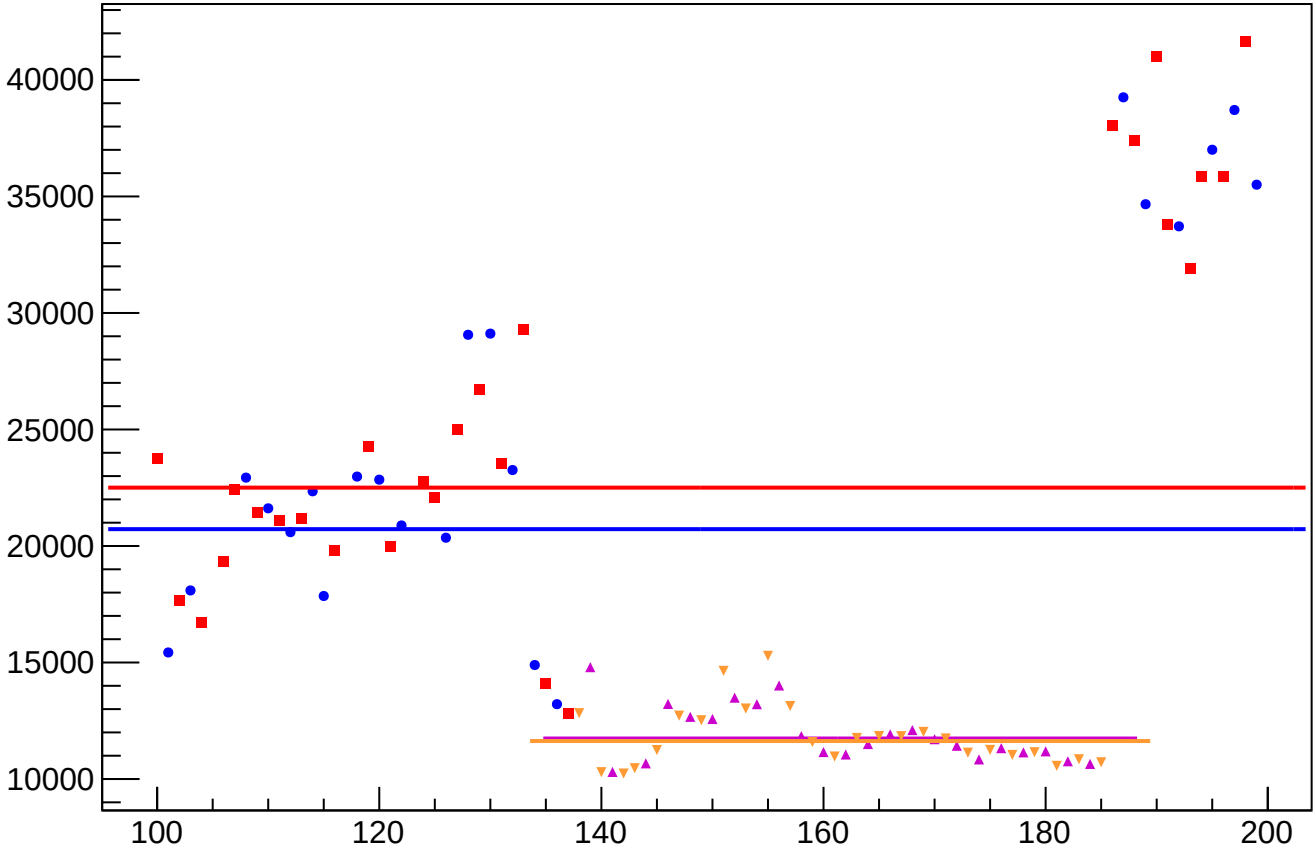
Right: 0.475+/-4.653 χ^2/NDF: 57.7/48

In: -1.499+/-2.539 χ^2/NDF:59.8/44

Out: -8.084+/-2.470 χ^2/NDF:99.2/51

All: -4.882+/-1.771 χ^2/NDF: 162.5/96

diff_bpmtargetsumX_rms vs Slug, Sign Corrected



Right In: 20722.950+/-4.606 χ^2/NDF: 2616230.0/21

Left Out: 11630.201+/-1.882 χ^2/NDF:356022.1/24

Right Out: 22504.672+/-4.700 χ^2/NDF: 2550977.0/26

Left In: 11738.371+/-1.950 χ^2/NDF:313542.0/22

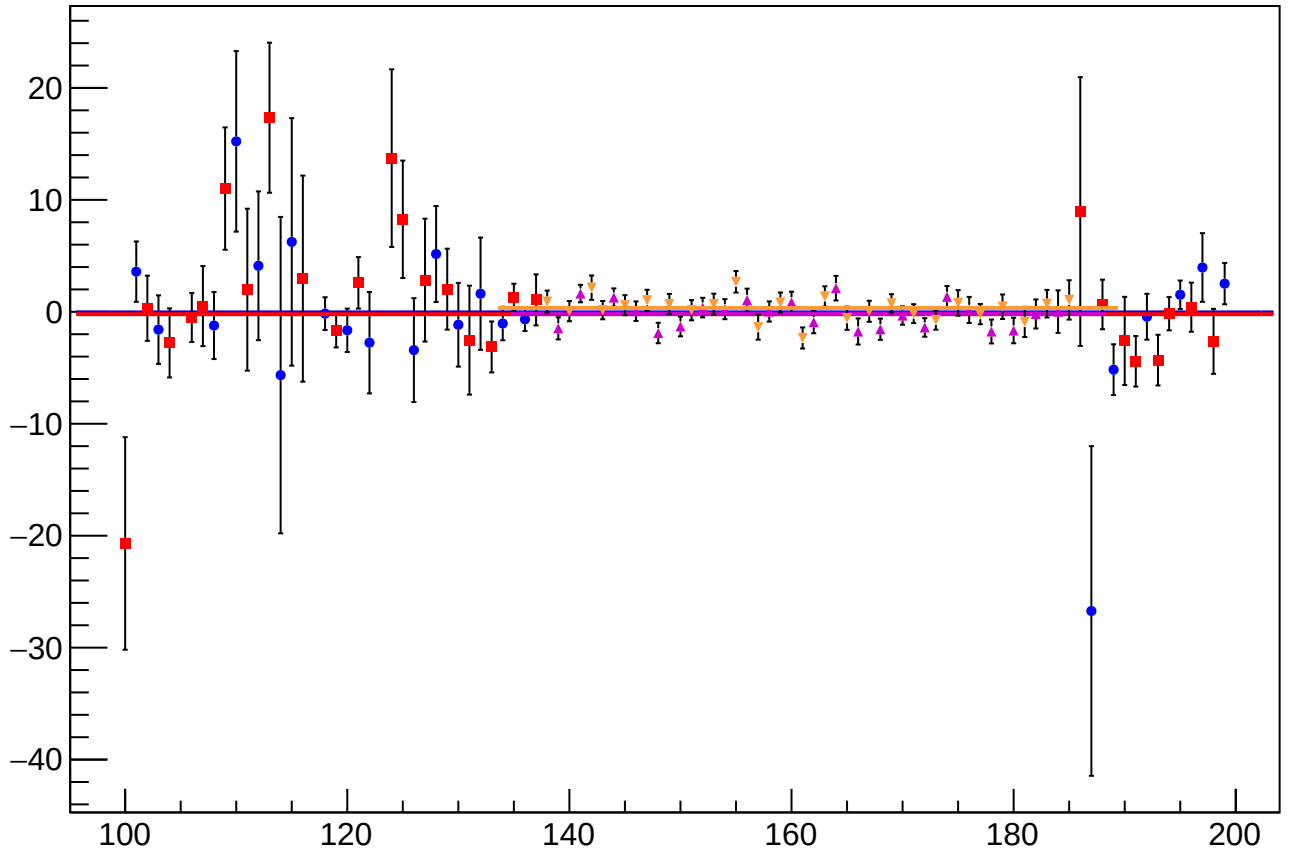
Left: 11682.361+/-1.354 χ^2/NDF: 671157.6/47

Right: 21595.863+/-3.290 χ^2/NDF: 5240505.9/48

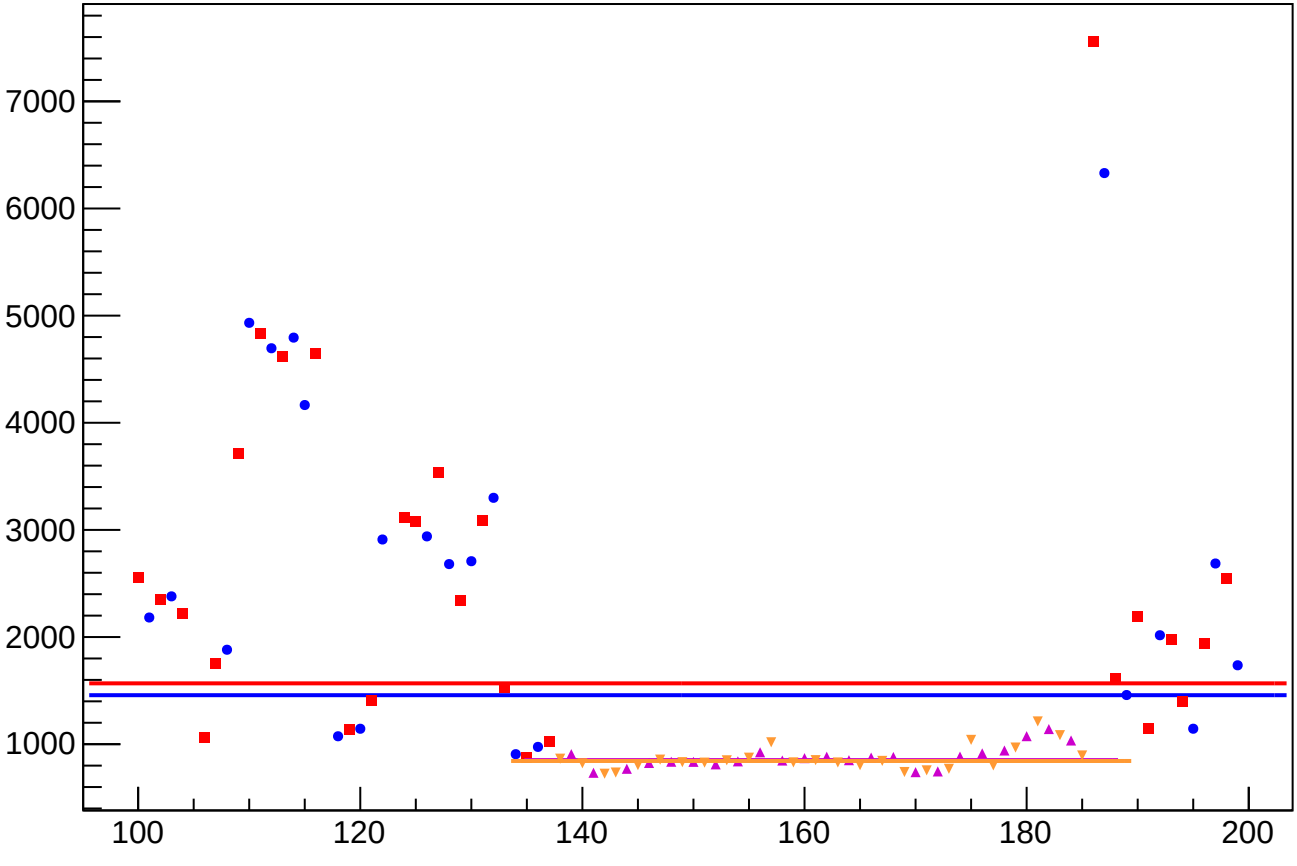
In: 13103.650+/-1.796 χ^2/NDF:6156030.5/44

Out: 13132.372+/-1.747 χ^2/NDF:7520587.2/51

All: 13118.406+/-1.252 χ^2/NDF: 13676749.2


diff_bpmtargetdiffX_mean vs Slug, Sign Corrected
20
10
0
−10
−20
−30
−40
100
120
140
160
180
200
Right In: -0.054+/-0.486 χ²/NDF: 24.3/21
Left Out: 0.343+/-0.194 χ²/NDF:26.8/24
Right Out: -0.210+/-0.504 χ²/NDF: 37.8/26
Left In: -0.165+/-0.201 χ²/NDF:36.3/22
Left: 0.098+/-0.139 χ²/NDF: 66.4/47
Right: -0.129+/-0.350 χ²/NDF: 62.2/48
In: -0.149+/-0.186 χ²/NDF:60.7/44
Out: 0.272+/-0.181 χ²/NDF:65.6/51
All: 0.067+/-0.130 χ²/NDF: 129.0/96

diff_bpmtargetdiffX_rms vs Slug, Sign Corrected



Right In: 1457.353+/-0.344 χ^2/NDF: 4259237.8/21

Left Out: 843.266+/-0.137 χ^2/NDF:505106.4/24

Right Out: 1567.840+/-0.356 χ^2/NDF: 4430763.1/26

Left In: 851.618+/-0.142 χ^2/NDF:382555.6/22

Left: 847.291+/-0.099 χ^2/NDF: 889453.1/47

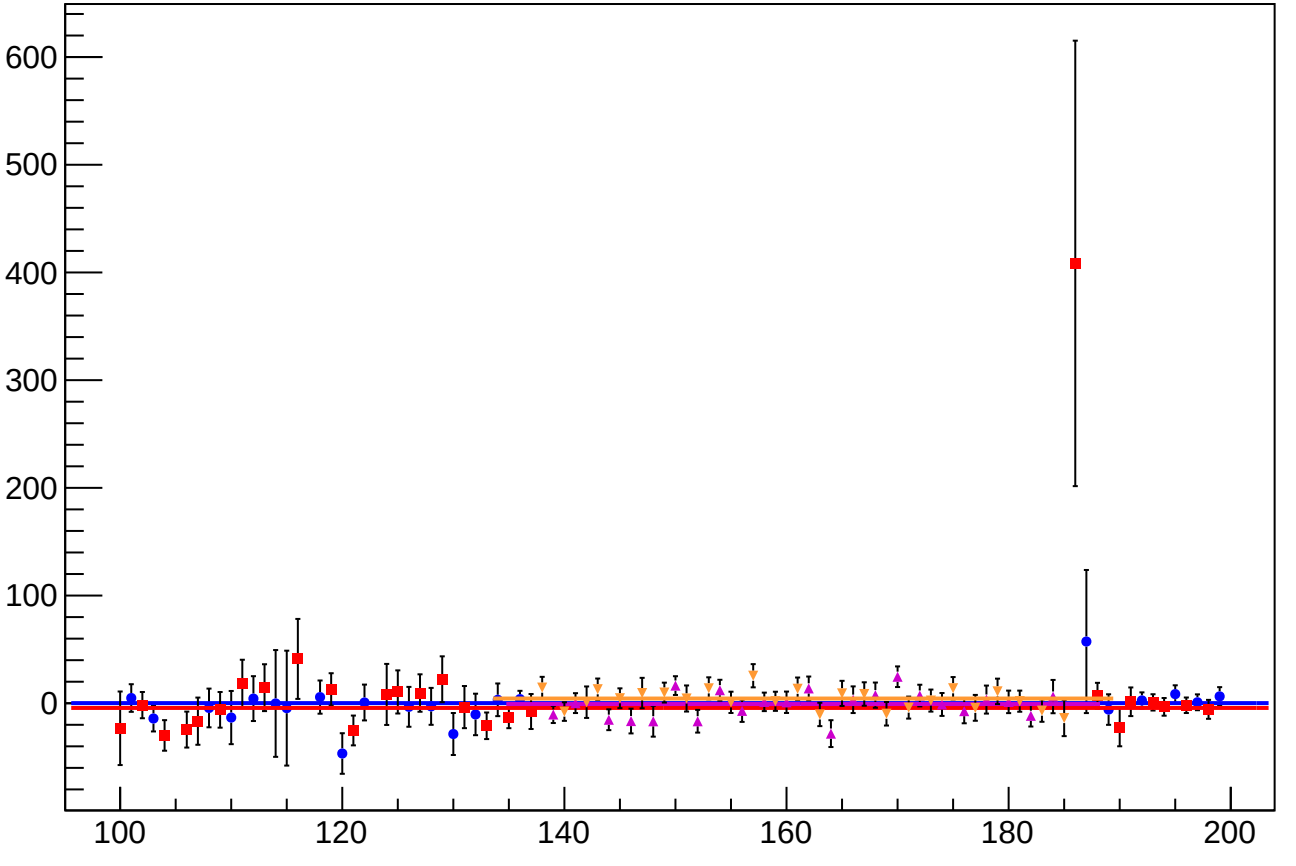
Right: 1510.597+/-0.247 χ^2/NDF: 8739779.7/48

In: 939.946+/-0.131 χ^2/NDF:7293878.1/44

Out: 936.535+/-0.128 χ^2/NDF:8536086.9/51

All: 938.196+/-0.092 χ^2/NDF: 15830311.4/96

diff_bpmtargetsumY_mean vs Slug, Sign Corrected



Right In: 0.131+/-2.728 χ^2/NDF: 13.7/21

Left Out: 4.383+/-2.122 χ^2/NDF:18.6/24

Right Out: -4.337+/-2.587 χ^2/NDF: 24.5/26

Left In: -0.734+/-2.171 χ^2/NDF:32.0/22

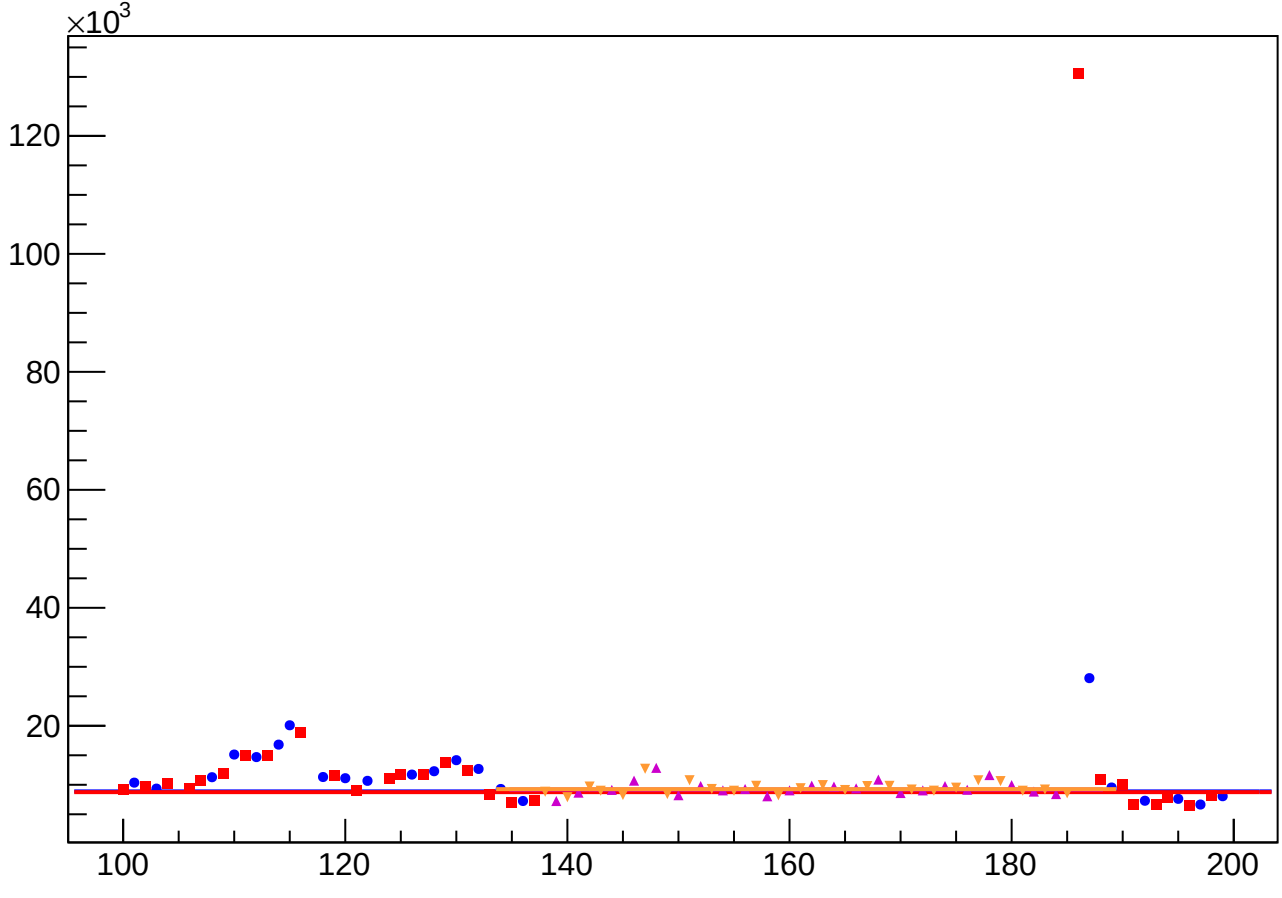
Left: 1.883+/-1.517 χ^2/NDF: 53.4/47

Right: -2.221+/-1.877 χ^2/NDF: 39.6/48

In: -0.399+/-1.698 χ^2/NDF:45.8/44

Out: 0.877+/-1.641 χ^2/NDF:49.9/51

All: 0.261+/-1.180 χ^2/NDF: 96.0/96



Right In: 8880.421+/-1.929 χ^2/NDF: 1544272.7/21

Left Out: 9261.542+/-1.500 χ^2/NDF:366072.4/24

Right Out: 8753.061+/-1.830 χ^2/NDF: 2259758.8/26

Left In: 9199.542+/-1.535 χ^2/NDF:515496.8/22

Left: 9231.249+/-1.073 χ^2/NDF: 882403.7/47

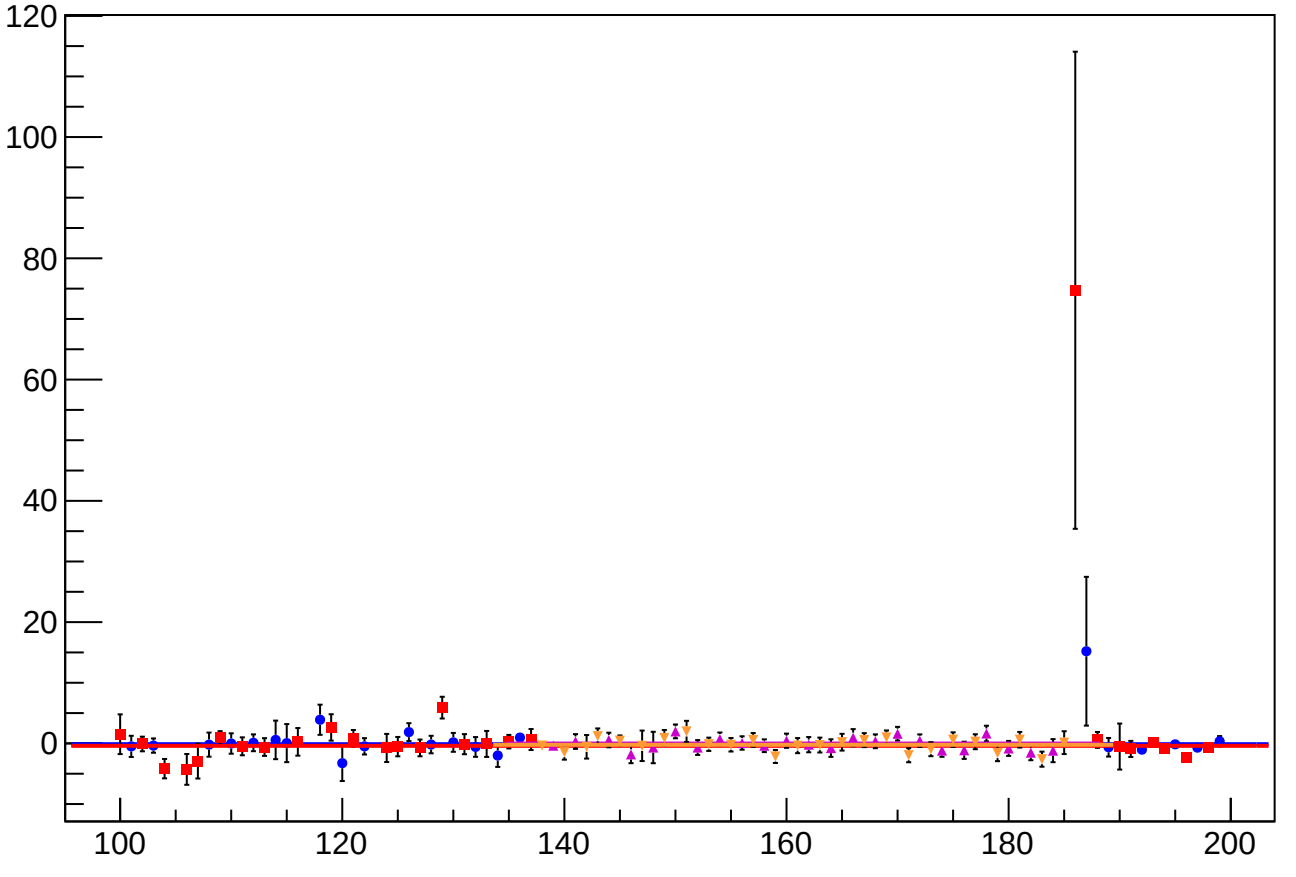
Right: 8813.383+/-1.327 χ^2/NDF: 3806326.6/48

In: 9075.808+/-1.201 χ^2/NDF:2076531.1/44

Out: 9057.107+/-1.160 χ^2/NDF:2672017.7/51

All: 9066.134+/-0.834 χ^2/NDF: 4748674.2/96

diff_bpmtargetdiffY_mean vs Slug, Sign Corrected



Right In: -0.132+/-0.272 χ^2/NDF: 12.6/21

Left Out: -0.229+/-0.243 χ^2/NDF:19.0/24

Right Out: -0.401+/-0.261 χ^2/NDF: 37.7/26

Left In: -0.025+/-0.239 χ^2/NDF:15.2/22

Left: -0.125+/-0.171 χ^2/NDF: 34.6/47

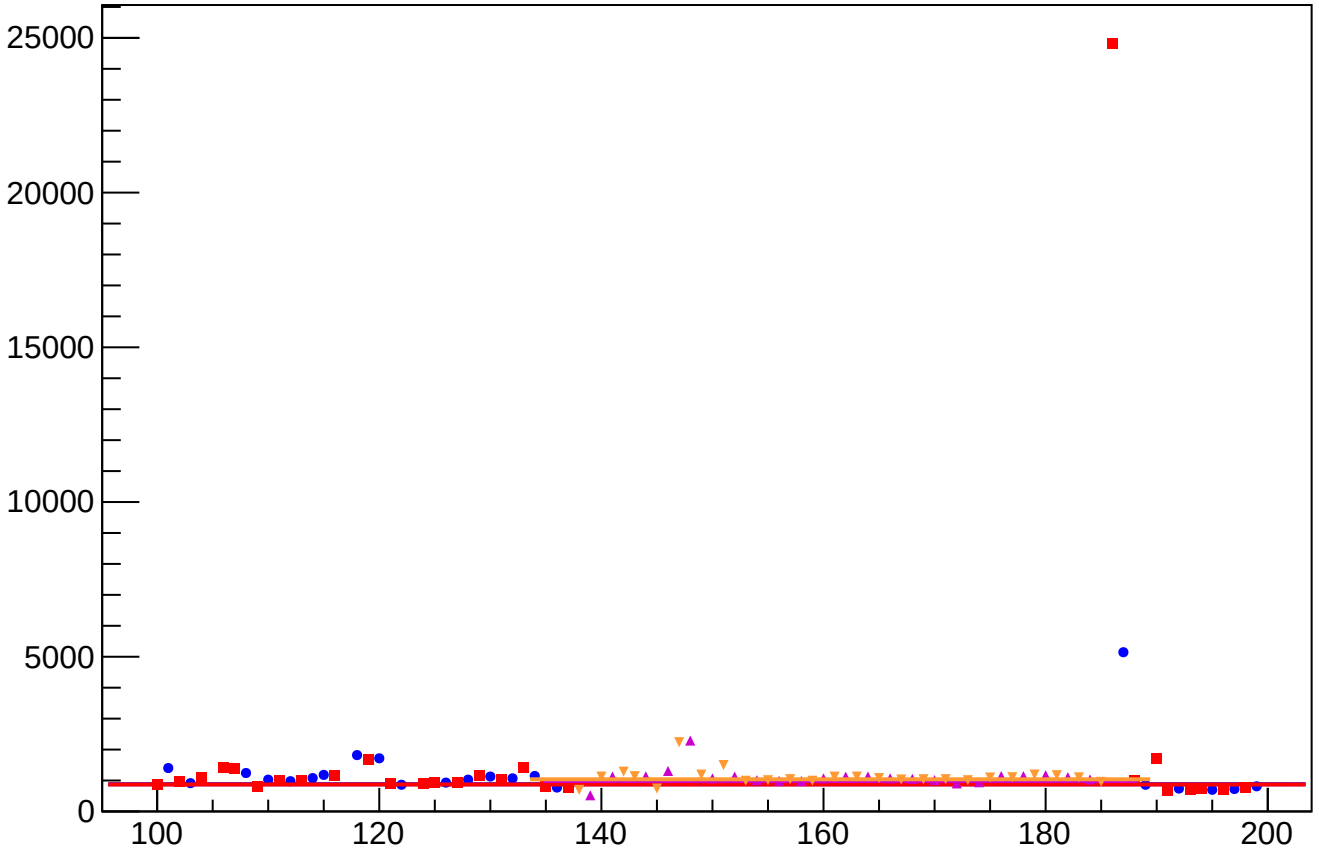
Right: -0.272+/-0.188 χ^2/NDF: 50.9/48

In: -0.071+/-0.179 χ^2/NDF:28.0/44

Out: -0.309+/-0.178 χ^2/NDF:56.9/51

All: -0.191+/-0.126 χ^2/NDF: 85.7/96

diff_bpmtargetdiffY_rms vs Slug, Sign Corrected



Right In: 879.315+/-0.192 χ^2/NDF: 1435185.6/21

Left Out: 1039.424+/-0.172 χ^2/NDF:1339748.9/24

Right Out: 872.066+/-0.184 χ^2/NDF: 1935812.1/26

Left In: 981.677+/-0.169 χ^2/NDF:2225094.5/22

Left: 1010.035+/-0.121 χ^2/NDF: 3622132.3/47

Right: 875.544+/-0.133 χ^2/NDF: 3371738.8/48

In: 936.981+/-0.127 χ^2/NDF:3820339.1/44

Out: 961.512+/-0.126 χ^2/NDF:3715710.8/51

All: 949.350+/-0.089 χ^2/NDF: 7554893.9/96

yield_cav4bX_mean vs Slug, Sign Corrected

Right In: 139.337+/-0.000 χ^2/NDF: 52803607466.3/21

Left Out: -27.865+/-0.000 χ^2/NDF:181586557.6/24

Right Out: 125.392+/-0.000 χ^2/NDF: 774179889565867.4/26

Left In: -27.427+/-0.000 χ^2/NDF:123181562.3/22

Left: -27.654+/-0.000 χ^2/NDF: 305673778.0/47

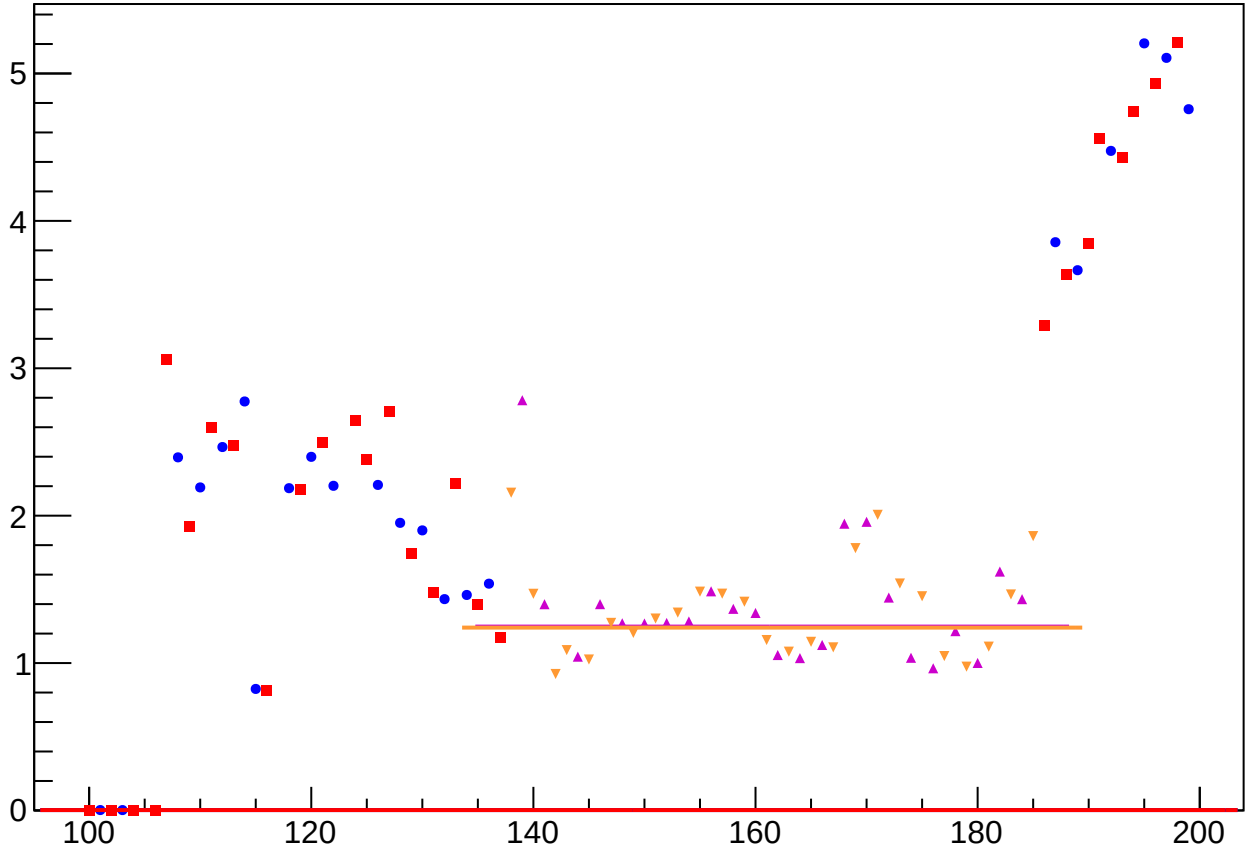
Right: 131.818+/-0.000 χ^2/NDF: 793017560694914

In: 139.328+/-0.000 χ^2/NDF:307202912699.1/44

Out: 125.384+/-0.000 χ^2/NDF:774410578119325.

All: 131.810+/-0.000 χ^2/NDF: 79349997413

yield_cav4bX_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 17950934.4/21

Left Out: 1.241+/-0.000 χ^2/NDF:1221248.2/24

Right Out: 0.003+/-0.000 χ^2/NDF: 20056293.5/26

Left In: 1.247+/-0.000 χ^2/NDF:1436411.6/22

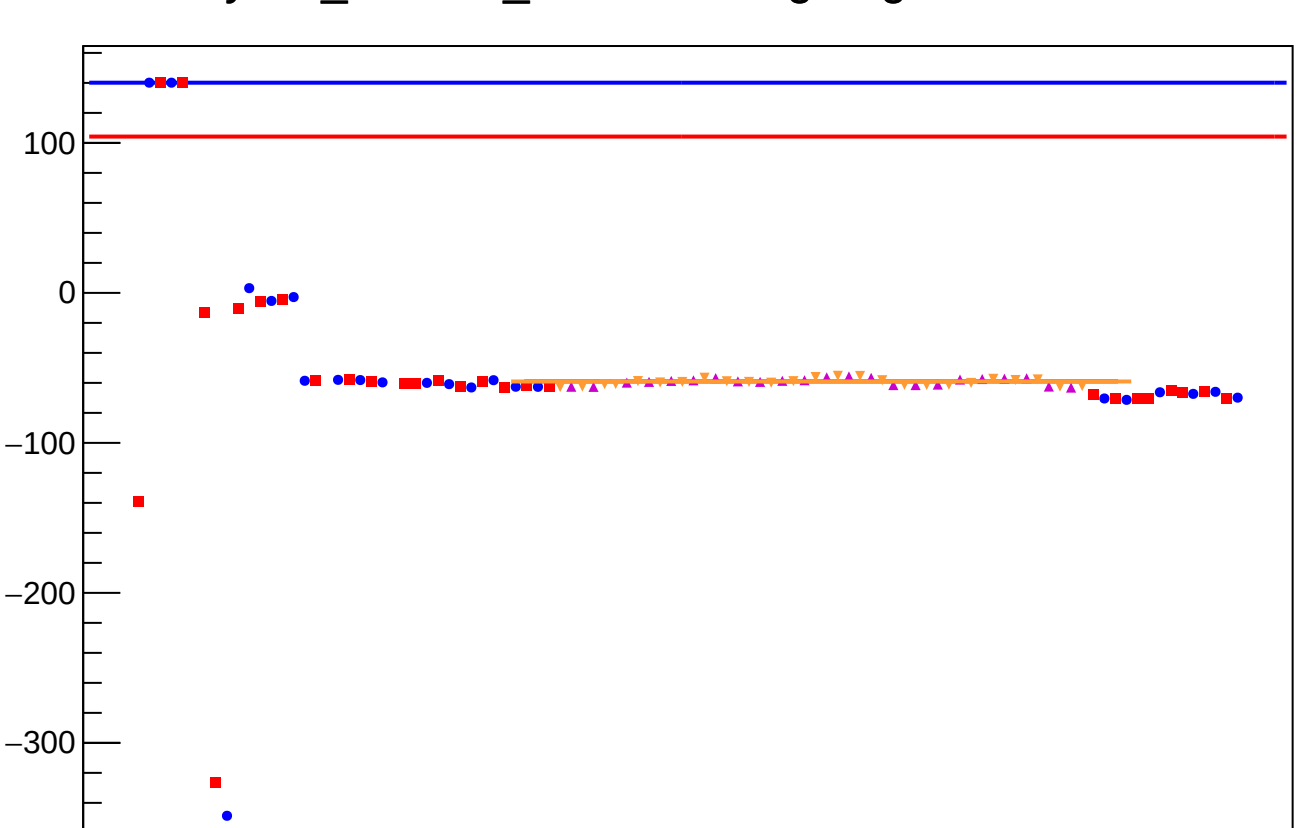
Left: 1.244+/-0.000 χ^2/NDF: 2658093.9/47

Right: 0.003+/-0.000 χ^2/NDF: 38007404.1/48

In: 0.003+/-0.000 χ^2/NDF:47716468.5/44

Out: 0.003+/-0.000 χ^2/NDF:51356410.0/51

All: 0.003+/-0.000 χ^2/NDF: 99073125.6/96



Right In: 140.140+/-0.000 χ^2/NDF: 320207108672.2/21

Left Out: -59.066+/-0.000 χ^2/NDF:177511074.0/24

Right Out: 104.221+/-0.000 χ^2/NDF: 1257514980315669.8/26

Left In: -59.020+/-0.000 χ^2/NDF:179236820.4/22

Left: -59.043+/-0.000 χ^2/NDF: 356781901.8/47

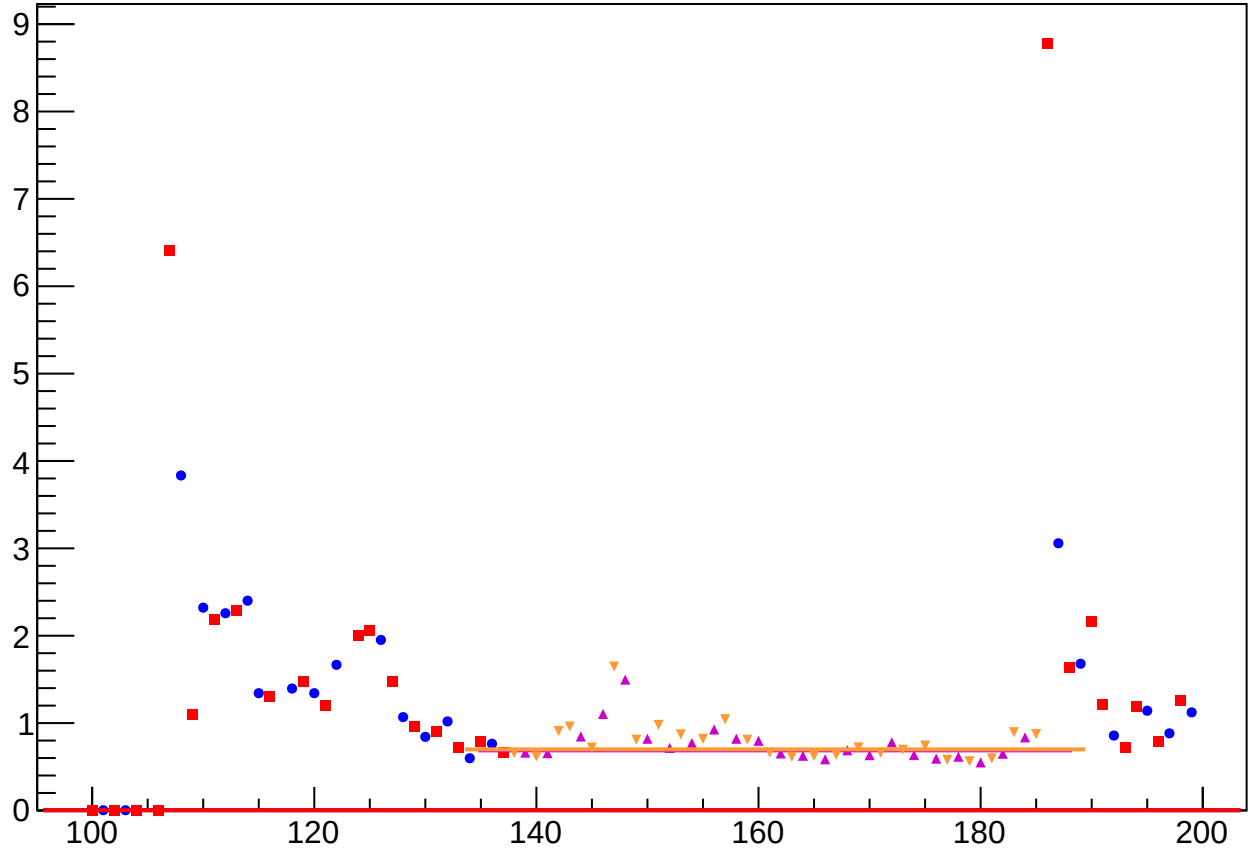
Right: 120.828+/-0.000 χ^2/NDF: 138114102052874

In: 140.104+/-0.000 χ^2/NDF:1595765535981.3/44

Out: 104.195+/-0.000 χ^2/NDF:125838660201927

All: 120.798+/-0.000 χ^2/NDF: 13832391311

yield_cav4bY_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 17347937.3/21

Left Out: 0.699+/-0.000 χ^2/NDF:1357196.3/24

Right Out: 0.003+/-0.000 χ^2/NDF: 19340199.9/26

Left In: 0.688+/-0.000 χ^2/NDF:1107767.8/22

Left: 0.694+/-0.000 χ^2/NDF: 2468947.3/47

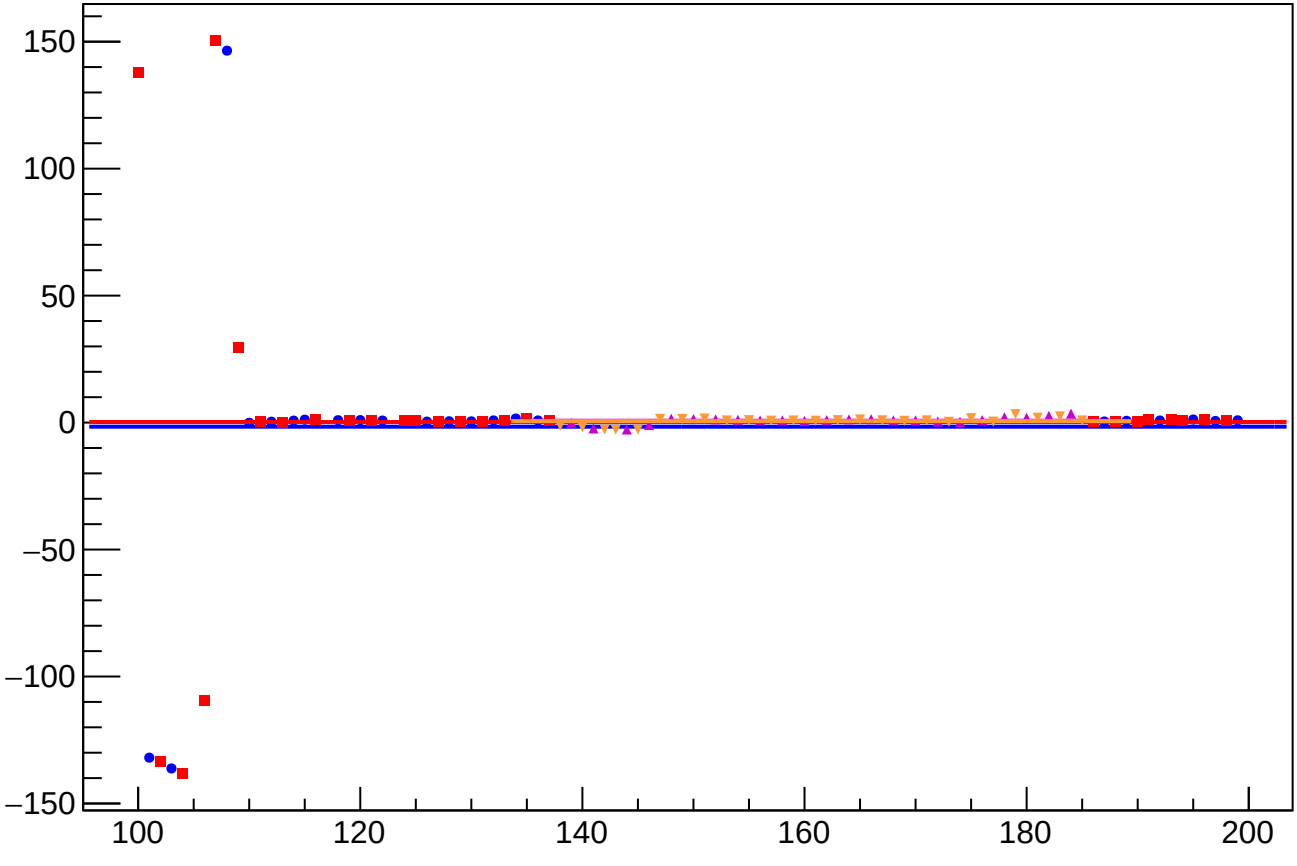
Right: 0.003+/-0.000 χ^2/NDF: 36688332.0/48

In: 0.003+/-0.000 χ^2/NDF:48653285.7/44

Out: 0.003+/-0.000 χ^2/NDF:52396693.5/51

All: 0.003+/-0.000 χ^2/NDF: 101050379.8/96

yield_cav4cX_mean vs Slug, Sign Corrected



Right In: -1.610+/-0.000 χ^2/NDF: 9896052138.4/21

Left Out: 0.575+/-0.000 χ^2/NDF:154364809.1/24

Right Out: 0.237+/-0.000 χ^2/NDF: 3612072010.0/26

Left In: 0.732+/-0.000 χ^2/NDF:105135095.8/22

Left: 0.650+/-0.000 χ^2/NDF: 260223435.2/47

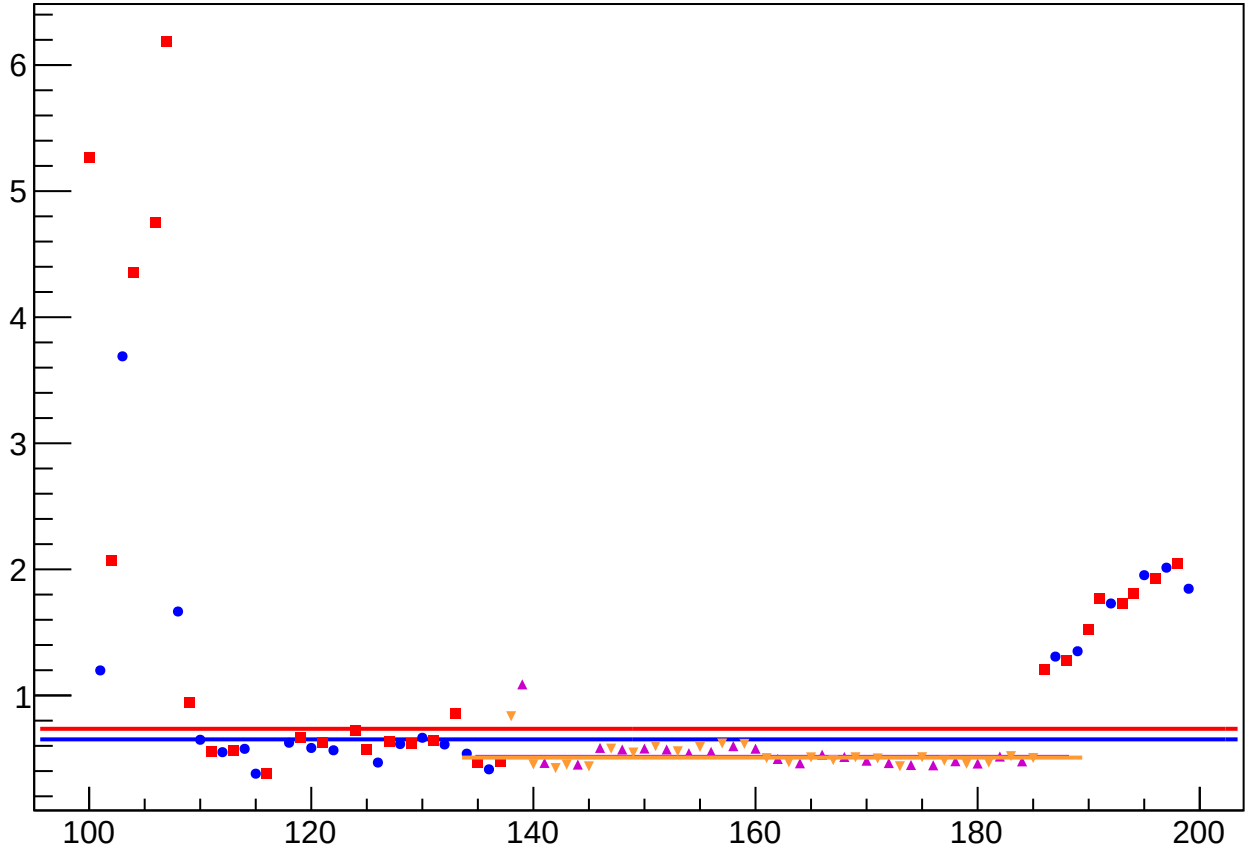
Right: -0.747+/-0.000 χ^2/NDF: 13536065327.2/48

In: 0.174+/-0.000 χ^2/NDF:10074402354.7/44

Out: 0.507+/-0.000 χ^2/NDF:3767835214.6/51

All: 0.344+/-0.000 χ^2/NDF: 13846370079.1/9

yield_cav4cX_rms vs Slug, Sign Corrected



Right In: 0.651+/-0.000 χ^2/NDF: 5215219.5/21

Left Out: 0.507+/-0.000 χ^2/NDF:554639.8/24

Right Out: 0.735+/-0.000 χ^2/NDF: 6124793.3/26

Left In: 0.513+/-0.000 χ^2/NDF:753419.6/22

Left: 0.510+/-0.000 χ^2/NDF: 1310004.6/47

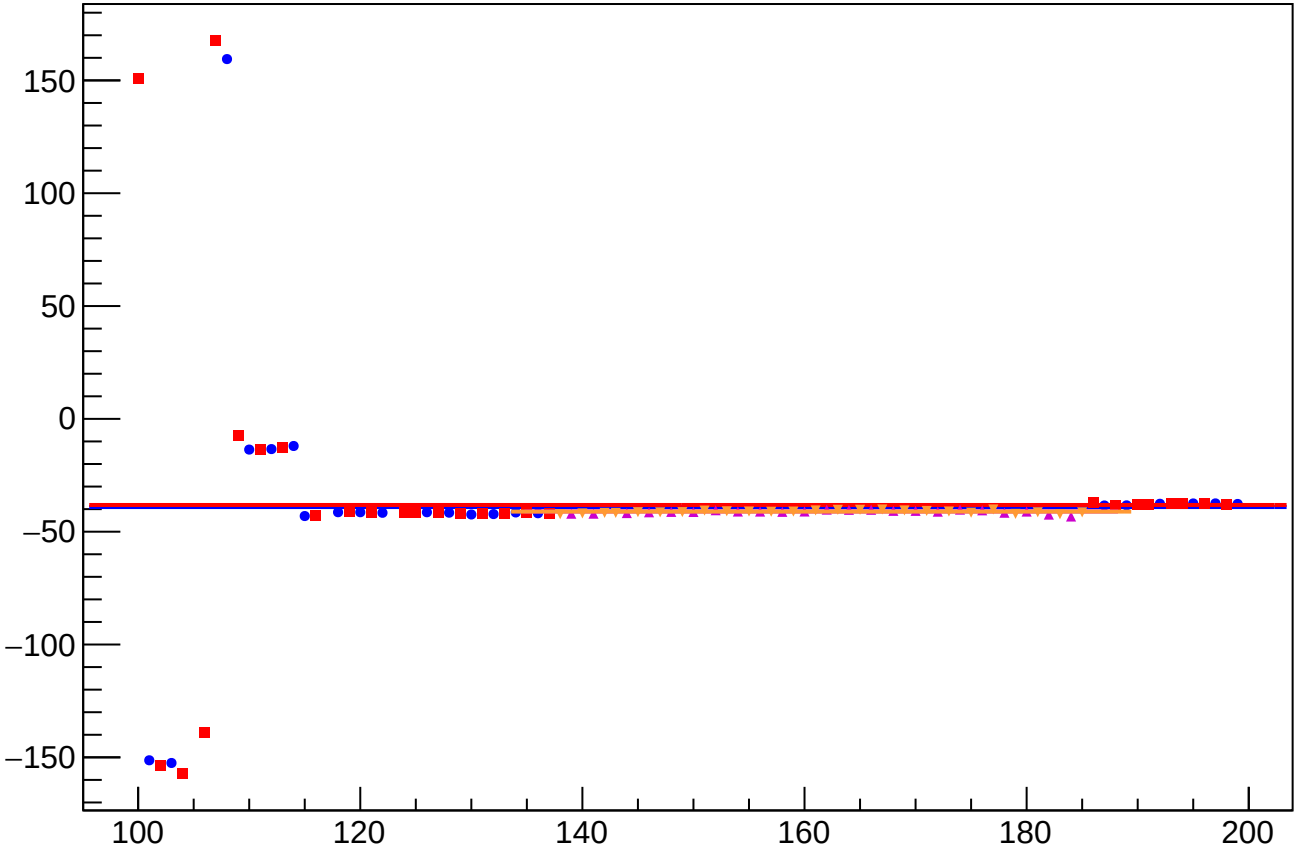
Right: 0.691+/-0.000 χ^2/NDF: 11455113.2/48

In: 0.546+/-0.000 χ^2/NDF:6481671.6/44

Out: 0.553+/-0.000 χ^2/NDF:7958500.1/51

All: 0.550+/-0.000 χ^2/NDF: 14444088.3/96

yield_cav4cY_mean vs Slug, Sign Corrected



Right In: -39.076+/-0.000 χ^2/NDF: 3569247189.5/21

Left Out: -41.092+/-0.000 χ^2/NDF:60251030.2/24

Right Out: -38.157+/-0.000 χ^2/NDF: 2507677066.5/26

Left In: -41.029+/-0.000 χ^2/NDF:51382147.2/22

Left: -41.062+/-0.000 χ^2/NDF: 111932061.5/47

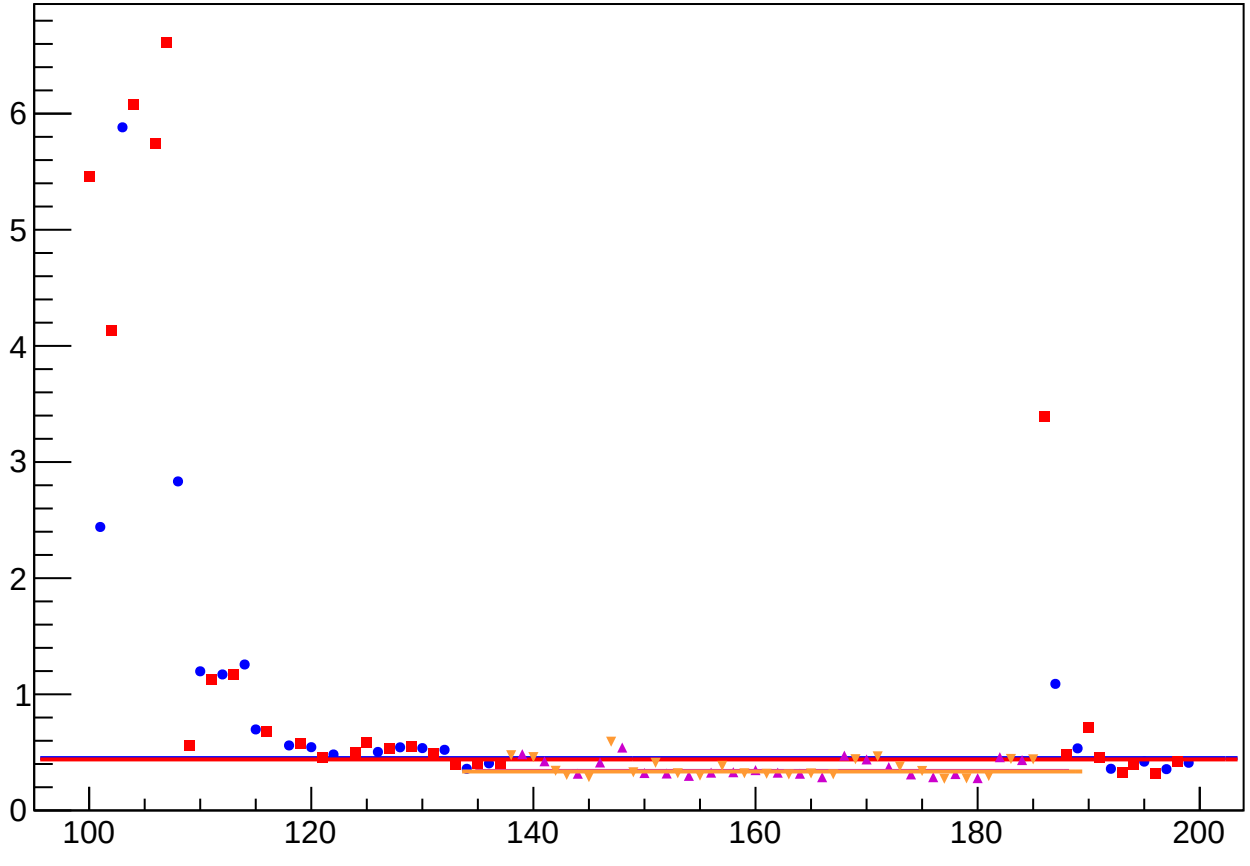
Right: -38.591+/-0.000 χ^2/NDF: 6095988116.3/48

In: -40.585+/-0.000 χ^2/NDF:3746718549.9/44

Out: -40.408+/-0.000 χ^2/NDF:2884147943.6/51

All: -40.492+/-0.000 χ^2/NDF: 6633923235.4/

yield_cav4cY_rms vs Slug, Sign Corrected



Right In: 0.451+/-0.000 χ^2/NDF: 3533059.5/21

Left Out: 0.336+/-0.000 χ^2/NDF:1238006.0/24

Right Out: 0.439+/-0.000 χ^2/NDF: 4606623.5/26

Left In: 0.340+/-0.000 χ^2/NDF:1065343.8/22

Left: 0.338+/-0.000 χ^2/NDF: 2306534.0/47

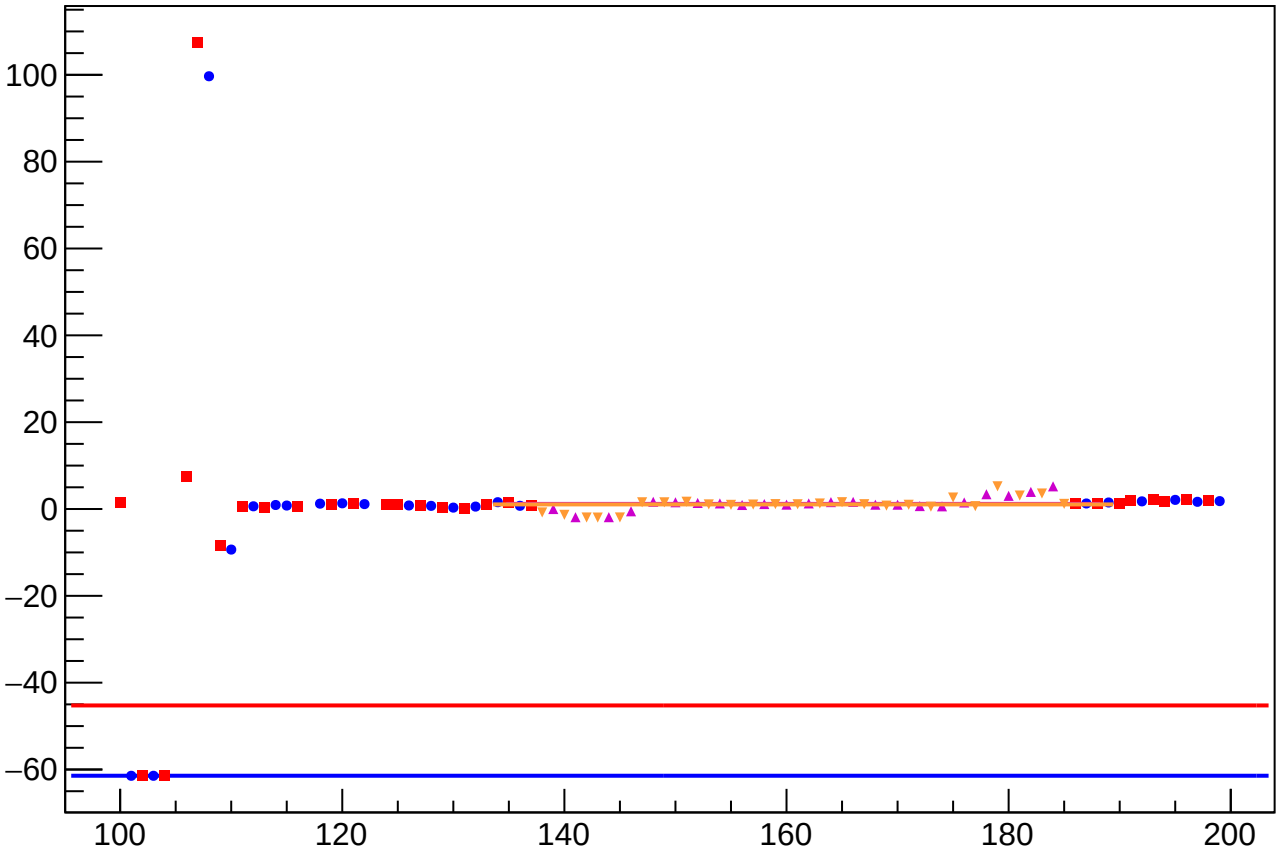
Right: 0.445+/-0.000 χ^2/NDF: 8145653.6/48

In: 0.365+/-0.000 χ^2/NDF:5407282.1/44

Out: 0.360+/-0.000 χ^2/NDF:6634644.8/51

All: 0.362+/-0.000 χ^2/NDF: 12048083.0/96

yield_cav4dX_mean vs Slug, Sign Corrected



Right In: -61.436+/-0.000 χ^2/NDF: 280733167298.2/21

Left Out: 1.059+/-0.000 χ^2/NDF:253133917.4/24

Right Out: -45.245+/-0.000 χ^2/NDF: 3578760237773 73.8/26

Left In: 1.175+/-0.000 χ^2/NDF:182397676.2/22

Left: 1.114+/-0.000 χ^2/NDF: 436074136.1/47

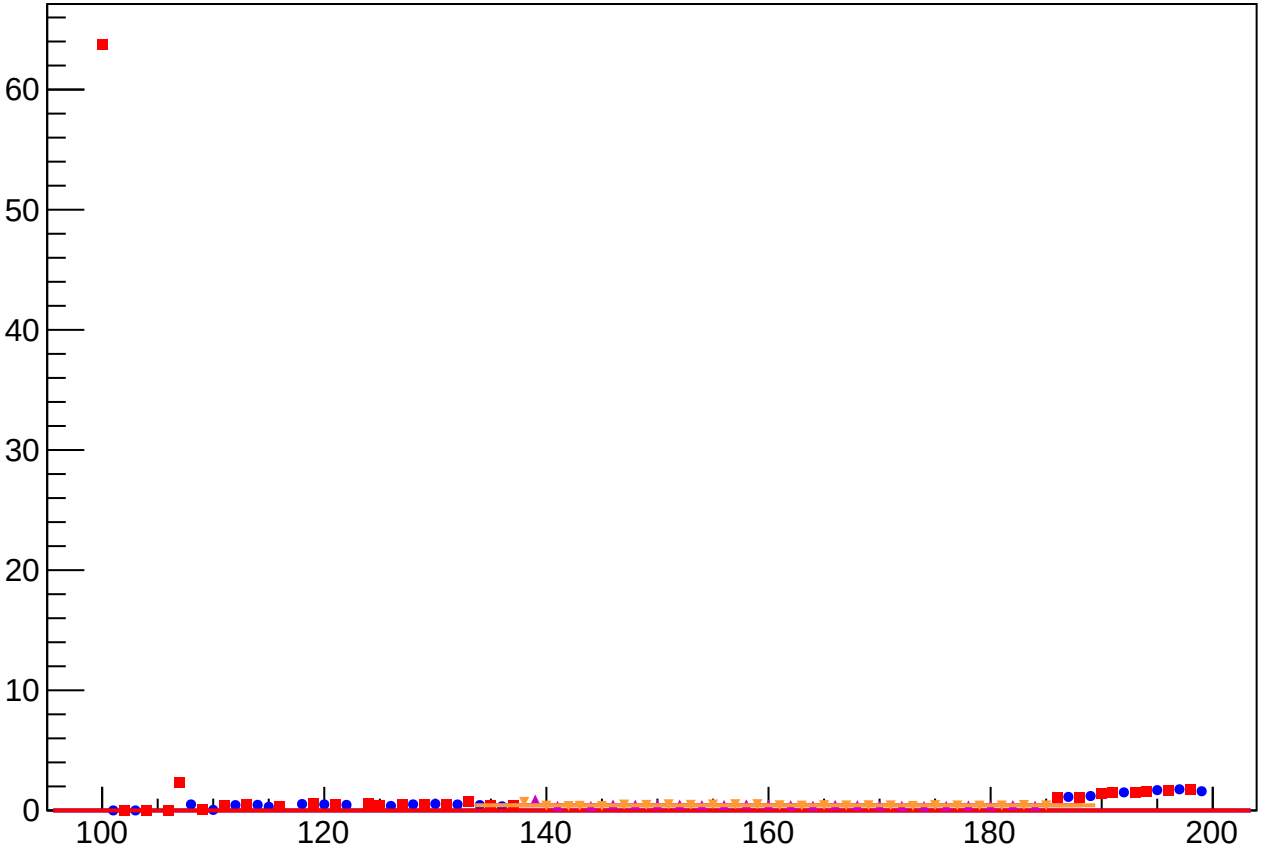
Right: -52.749+/-0.000 χ^2/NDF: 409134966630682

In: -61.422+/-0.000 χ^2/NDF:583597128086.7/44

Out: -45.235+/-0.000 χ^2/NDF:358057305852108.5

All: -52.738+/-0.000 χ^2/NDF: 409604378193

yield_cav4dX_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 17512961.4/21

Left Out: 0.432+/-0.000 χ^2/NDF:527546.3/24

Right Out: 0.001+/-0.000 χ^2/NDF: 19663620.1/26

Left In: 0.438+/-0.000 χ^2/NDF:698702.2/22

Left: 0.435+/-0.000 χ^2/NDF: 1229702.8/47

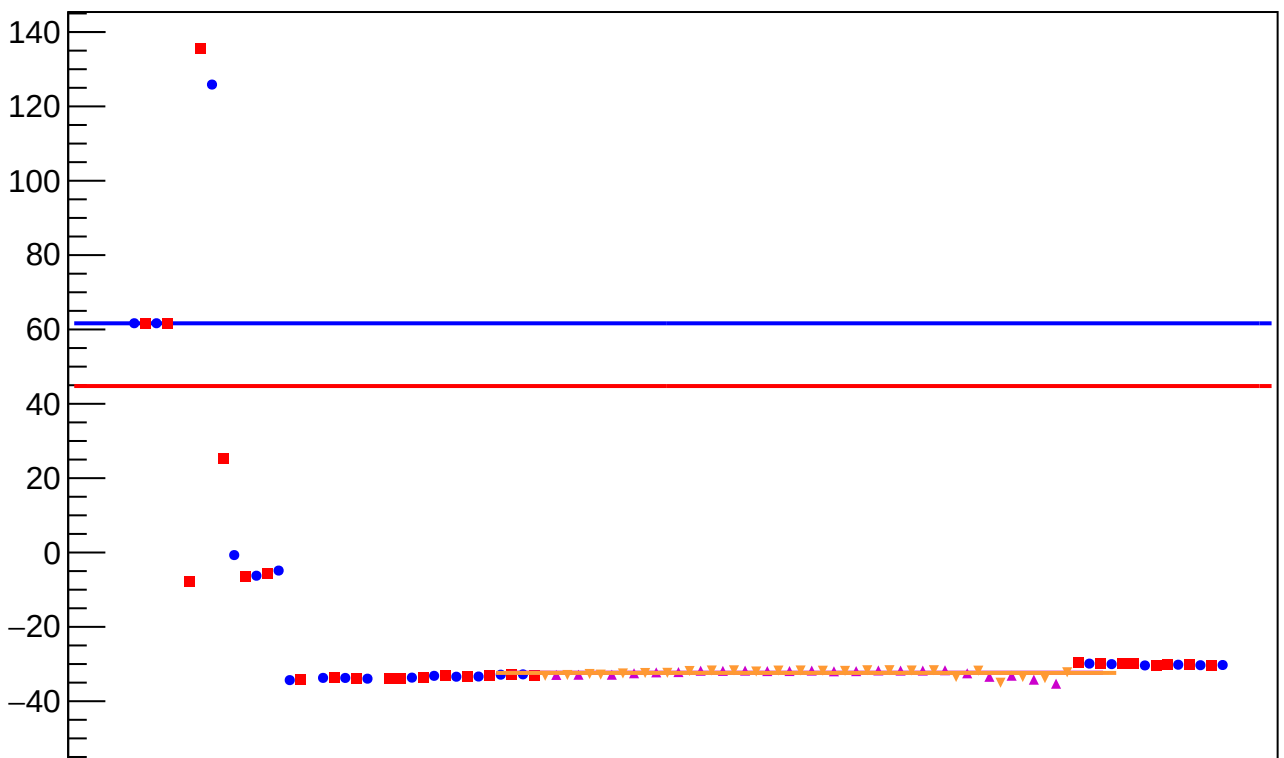
Right: 0.001+/-0.000 χ^2/NDF: 37176582.2/48

In: 0.002+/-0.000 χ^2/NDF:47654108.8/44

Out: 0.002+/-0.000 χ^2/NDF:51429473.4/51

All: 0.002+/-0.000 χ^2/NDF: 99083606.0/96

yield_cav4dY_mean vs Slug, Sign Corrected



Right In: 61.652+/-0.000 χ^2/NDF: 676126942584.6/21

Left Out: -32.386+/-0.000 χ^2/NDF:172024234.9/24

Right Out: 44.777+/-0.000 χ^2/NDF: 3663286598901 93.5/26

Left In: -32.325+/-0.000 χ^2/NDF:118654391.5/22

Left: -32.356+/-0.000 χ^2/NDF: 291084378.8/47

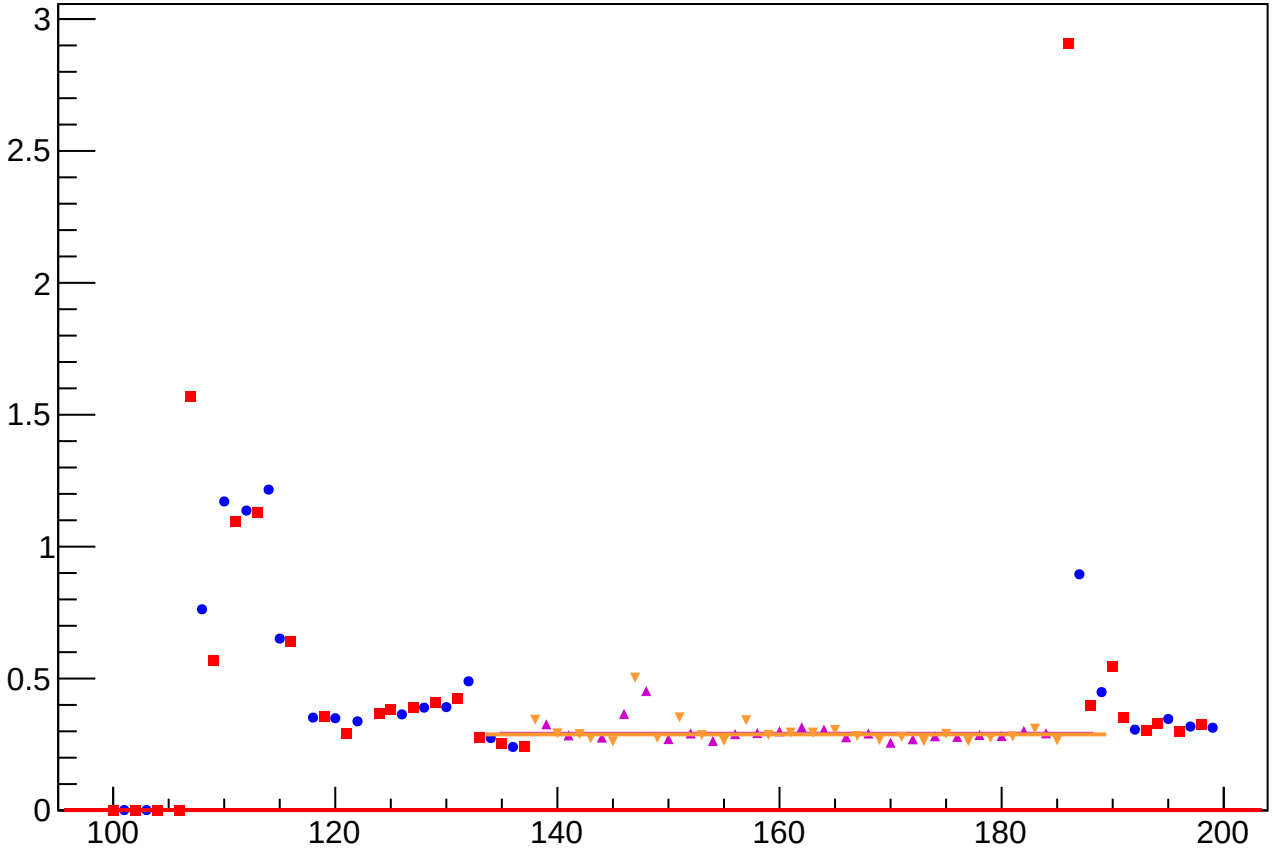
Right: 52.680+/-0.000 χ^2/NDF: 418103590745627.

In: 61.595+/-0.000 χ^2/NDF:2499622118728.0/44

Out: 44.733+/-0.000 χ^2/NDF:367646976396996.4

All: 52.629+/-0.000 χ^2/NDF: 421197650833

yield_cav4dY_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 19160364.2/21

Left Out: 0.288+/-0.000 χ^2/NDF:522979.2/24

Right Out: 0.002+/-0.000 χ^2/NDF: 20656833.1/26

Left In: 0.291+/-0.000 χ^2/NDF:387524.5/22

Left: 0.290+/-0.000 χ^2/NDF: 911587.8/47

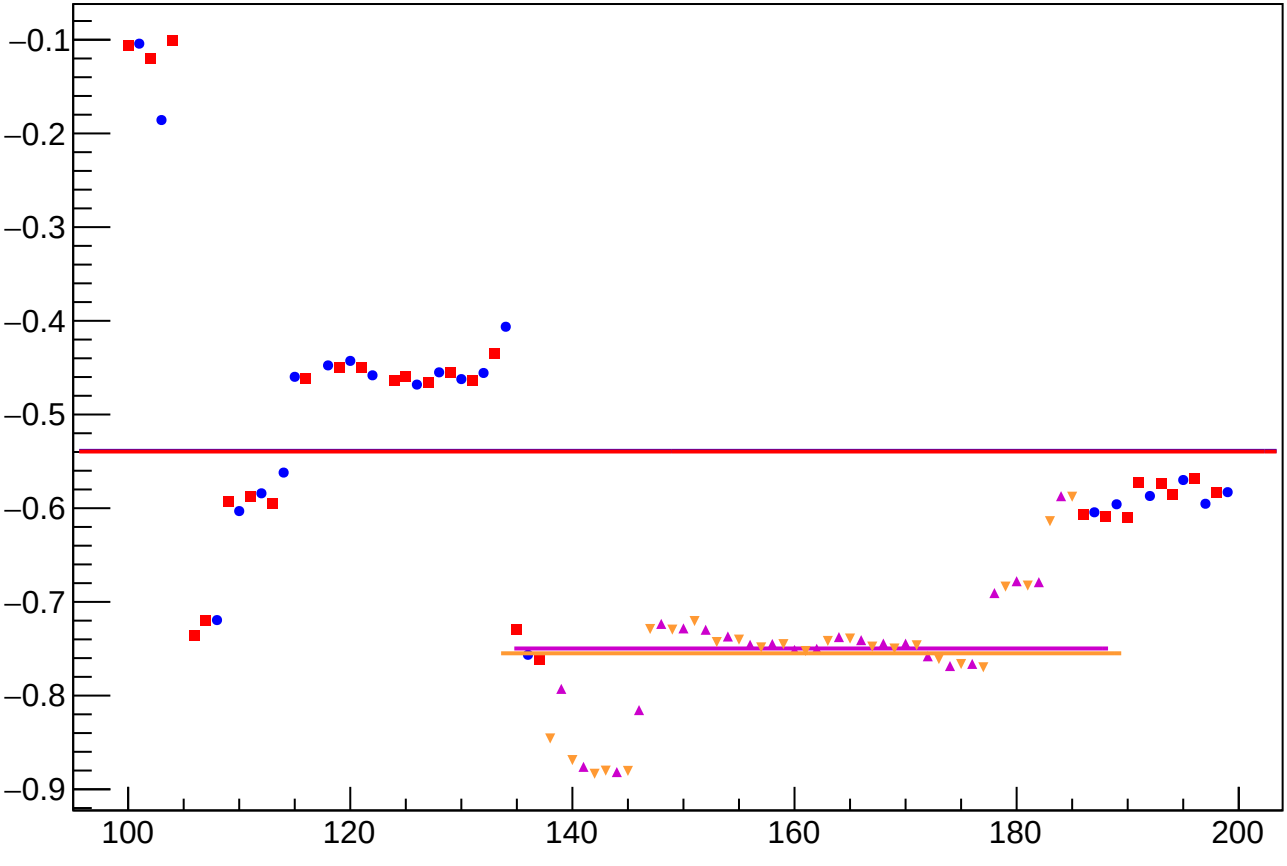
Right: 0.002+/-0.000 χ^2/NDF: 39817337.3/48

In: 0.002+/-0.000 χ^2/NDF:54062268.0/44

Out: 0.002+/-0.000 χ^2/NDF:57609013.9/51

All: 0.002+/-0.000 χ^2/NDF: 111671308.4/96

yield_bpm4aX_mean vs Slug, Sign Corrected



Right In: -0.539+/-0.000 χ^2/NDF: 303287831.5/21

Left Out: -0.755+/-0.000 χ^2/NDF:212643091.8/24

Right Out: -0.539+/-0.000 χ^2/NDF: 218825050.5/26

Left In: -0.750+/-0.000 χ^2/NDF:140839352.1/22

Left: -0.752+/-0.000 χ^2/NDF: 354065711.9/47

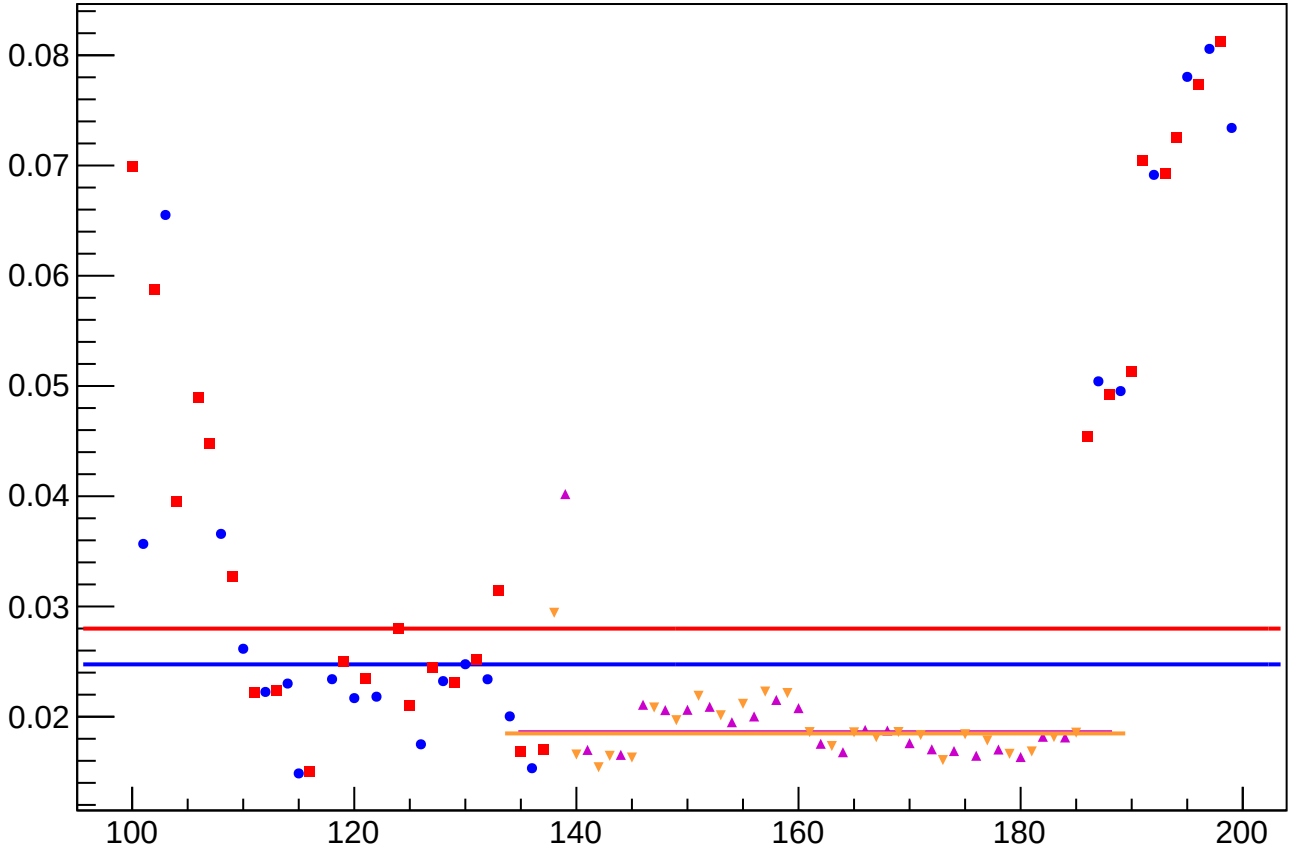
Right: -0.539+/-0.000 χ^2/NDF: 522115511.3/48

In: -0.702+/-0.000 χ^2/NDF:874425412.5/44

Out: -0.712+/-0.000 χ^2/NDF:852283108.8/51

All: -0.707+/-0.000 χ^2/NDF: 1729770883.7/9

yield_bpm4aX_rms vs Slug, Sign Corrected



Right In: 0.025+/-0.000 χ^2/NDF: 4887494.2/21

Left Out: 0.018+/-0.000 χ^2/NDF:491665.0/24

Right Out: 0.028+/-0.000 χ^2/NDF: 5015352.9/26

Left In: 0.019+/-0.000 χ^2/NDF:739183.3/22

Left: 0.019+/-0.000 χ^2/NDF: 1231372.8/47

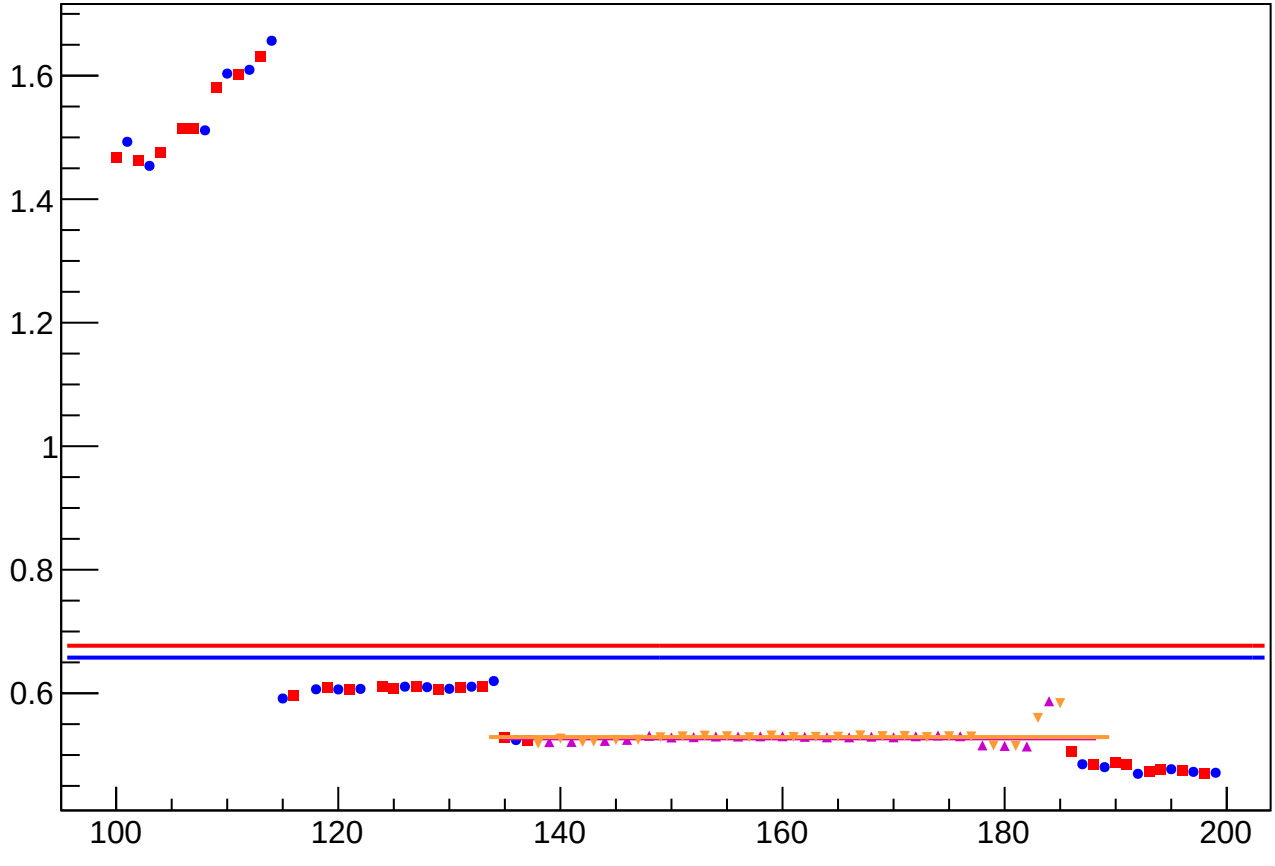
Right: 0.026+/-0.000 χ^2/NDF: 10028038.8/48

In: 0.020+/-0.000 χ^2/NDF:6359399.4/44

Out: 0.020+/-0.000 χ^2/NDF:7147080.4/51

All: 0.020+/-0.000 χ^2/NDF: 13514364.3/96

yield_bpm4aY_mean vs Slug, Sign Corrected



Right In: 0.658+/-0.000 χ^2/NDF: 5214568196.3/21

Left Out: 0.529+/-0.000 χ^2/NDF:16236836.5/24

Right Out: 0.677+/-0.000 χ^2/NDF: 6082551777.4/26

Left In: 0.527+/-0.000 χ^2/NDF:13035326.4/22

Left: 0.528+/-0.000 χ^2/NDF: 29556075.1/47

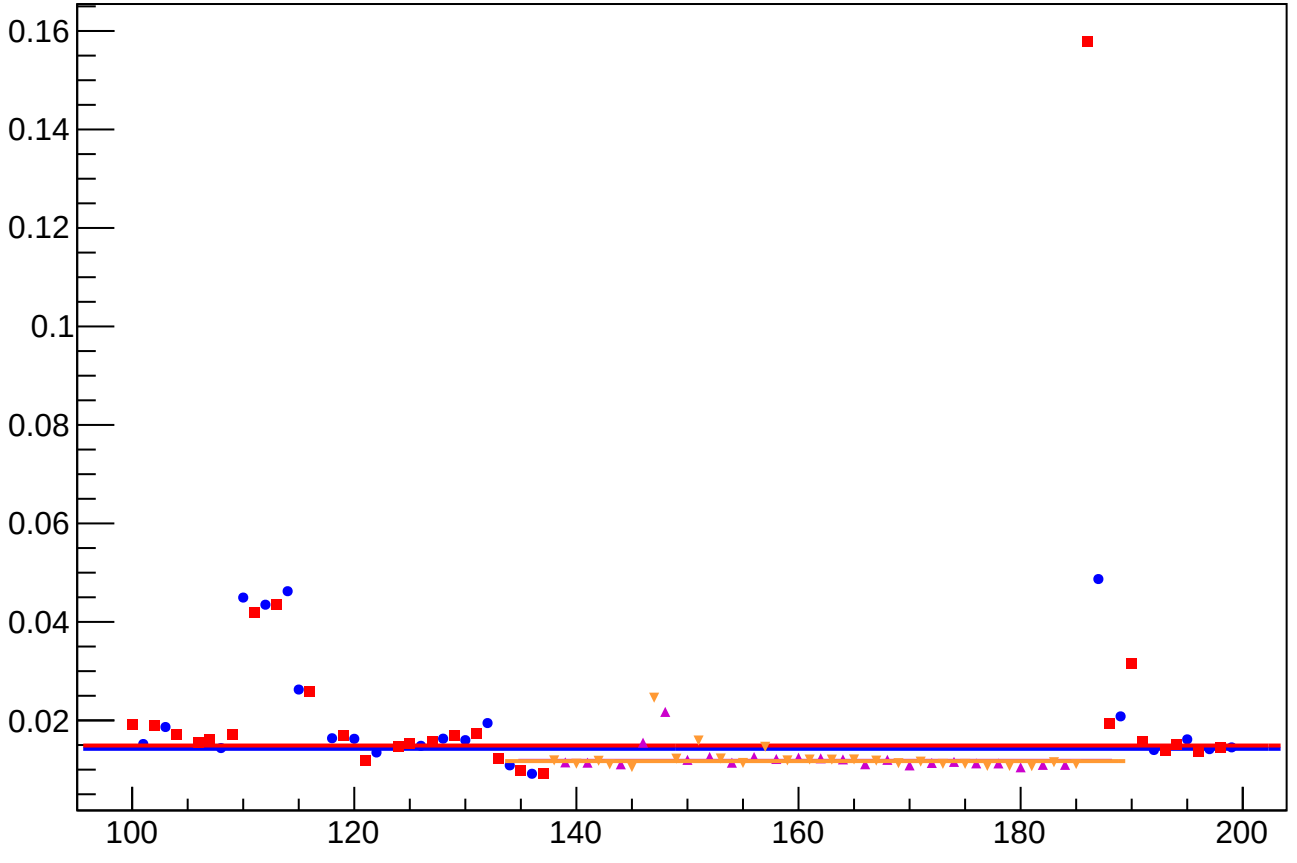
Right: 0.667+/-0.000 χ^2/NDF: 11306159671.8/48

In: 0.563+/-0.000 χ^2/NDF:5828895753.6/44

Out: 0.568+/-0.000 χ^2/NDF:6882923048.7/51

All: 0.566+/-0.000 χ^2/NDF: 12714138593.1/9

yield_bpm4aY_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 1959227.9/21

Left Out: 0.012+/-0.000 χ^2/NDF:699878.1/24

Right Out: 0.015+/-0.000 χ^2/NDF: 2378070.9/26

Left In: 0.012+/-0.000 χ^2/NDF:519826.8/22

Left: 0.012+/-0.000 χ^2/NDF: 1220115.4/47

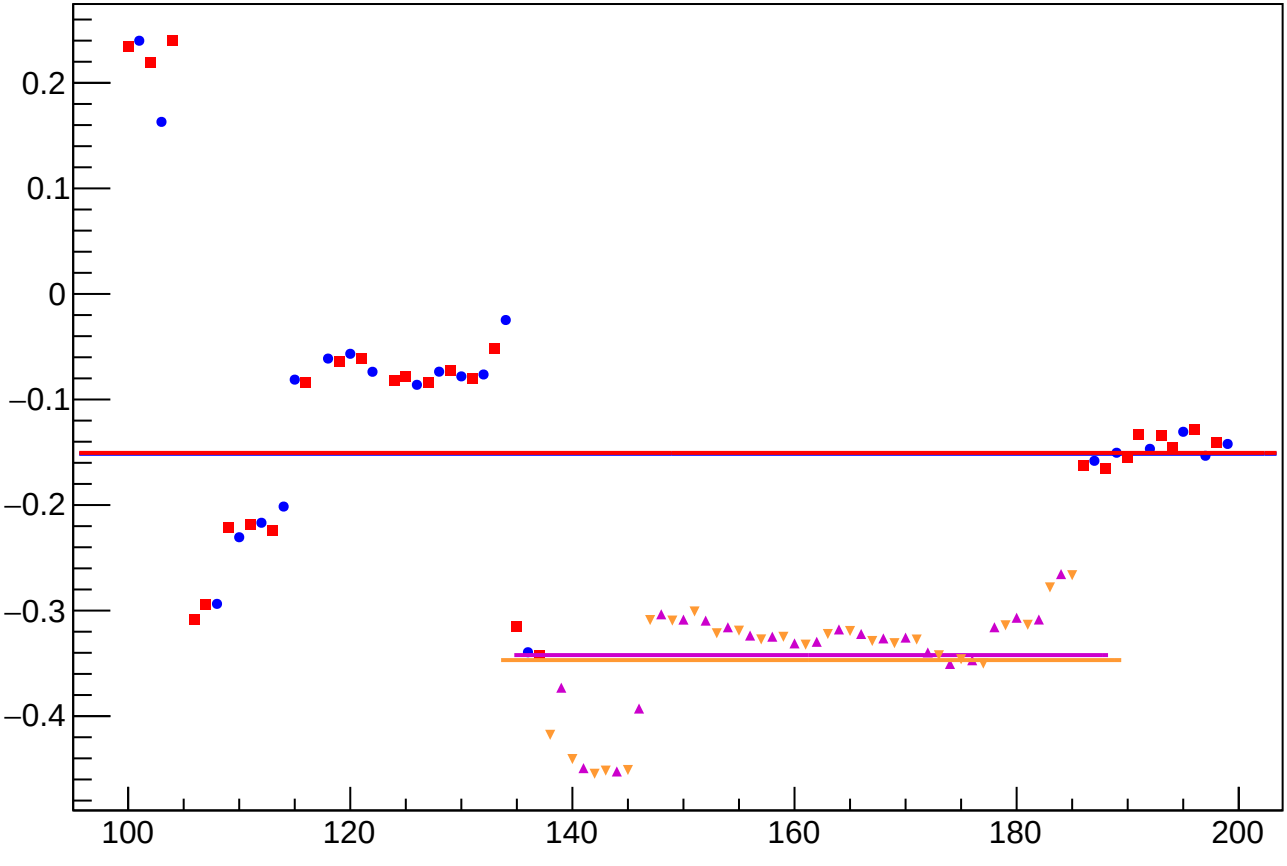
Right: 0.015+/-0.000 χ^2/NDF: 4359072.3/48

In: 0.012+/-0.000 χ^2/NDF:2897664.8/44

Out: 0.013+/-0.000 χ^2/NDF:3795357.4/51

All: 0.013+/-0.000 χ^2/NDF: 6695091.2/96

yield_bpm4eX_mean vs Slug, Sign Corrected



Right In: -0.151+/-0.000 χ^2/NDF: 276881882.4/21

Left Out: -0.347+/-0.000 χ^2/NDF:125890246.2/24

Right Out: -0.151+/-0.000 χ^2/NDF: 199665230.7/26

Left In: -0.342+/-0.000 χ^2/NDF:88220744.3/22

Left: -0.345+/-0.000 χ^2/NDF: 214611737.9/47

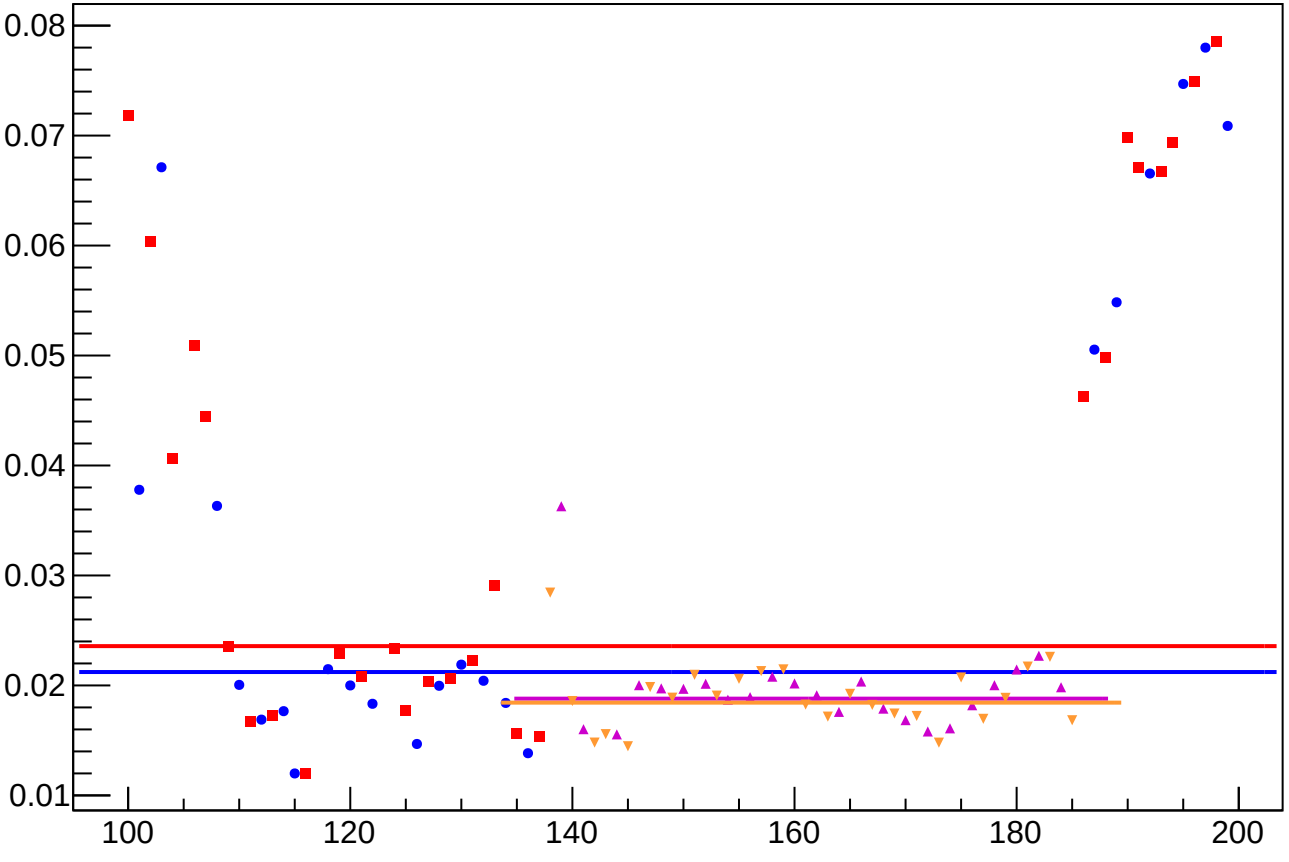
Right: -0.151+/-0.000 χ^2/NDF: 476552623.5/48

In: -0.289+/-0.000 χ^2/NDF:794053028.5/44

Out: -0.299+/-0.000 χ^2/NDF:763323745.4/51

All: -0.294+/-0.000 χ^2/NDF: 1560327978.5/9

yield_bpm4eX_rms vs Slug, Sign Corrected



Right In: 0.021+/-0.000 χ^2/NDF: 5590995.3/21

Left Out: 0.018+/-0.000 χ^2/NDF:640029.5/24

Right Out: 0.024+/-0.000 χ^2/NDF: 6094604.8/26

Left In: 0.019+/-0.000 χ^2/NDF:718726.0/22

Left: 0.019+/-0.000 χ^2/NDF: 1364603.4/47

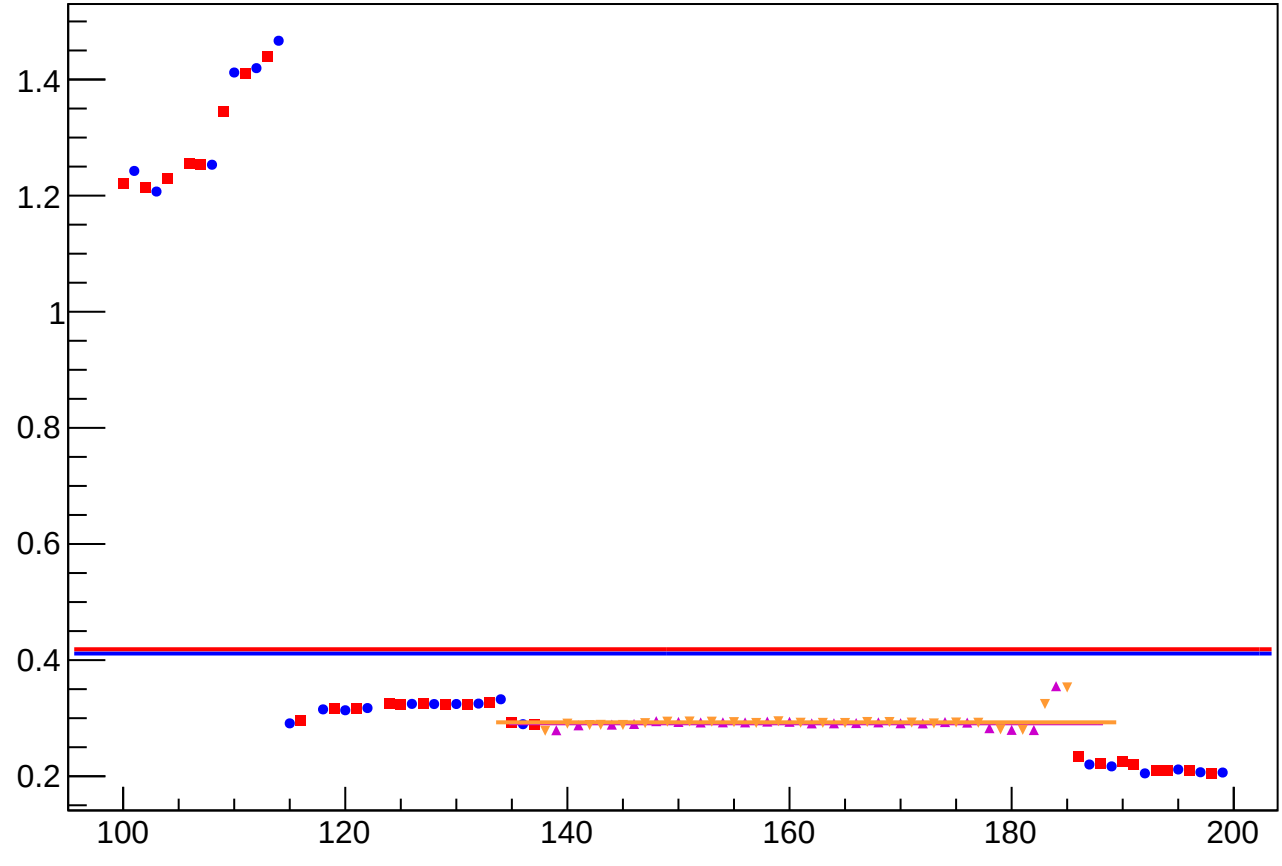
Right: 0.022+/-0.000 χ^2/NDF: 11772387.3/48

In: 0.019+/-0.000 χ^2/NDF:6447943.7/44

Out: 0.020+/-0.000 χ^2/NDF:7334678.5/51

All: 0.020+/-0.000 χ^2/NDF: 13785435.2/96

yield_bpm4eY_mean vs Slug, Sign Corrected



Right In: 0.411+/-0.000 χ^2/NDF: 7713025919.1/21

Left Out: 0.293+/-0.000 χ^2/NDF:17281571.0/24

Right Out: 0.419+/-0.000 χ^2/NDF: 8616975052.5/26

Left In: 0.291+/-0.000 χ^2/NDF:10282762.1/22

Left: 0.292+/-0.000 χ^2/NDF: 27773527.3/47

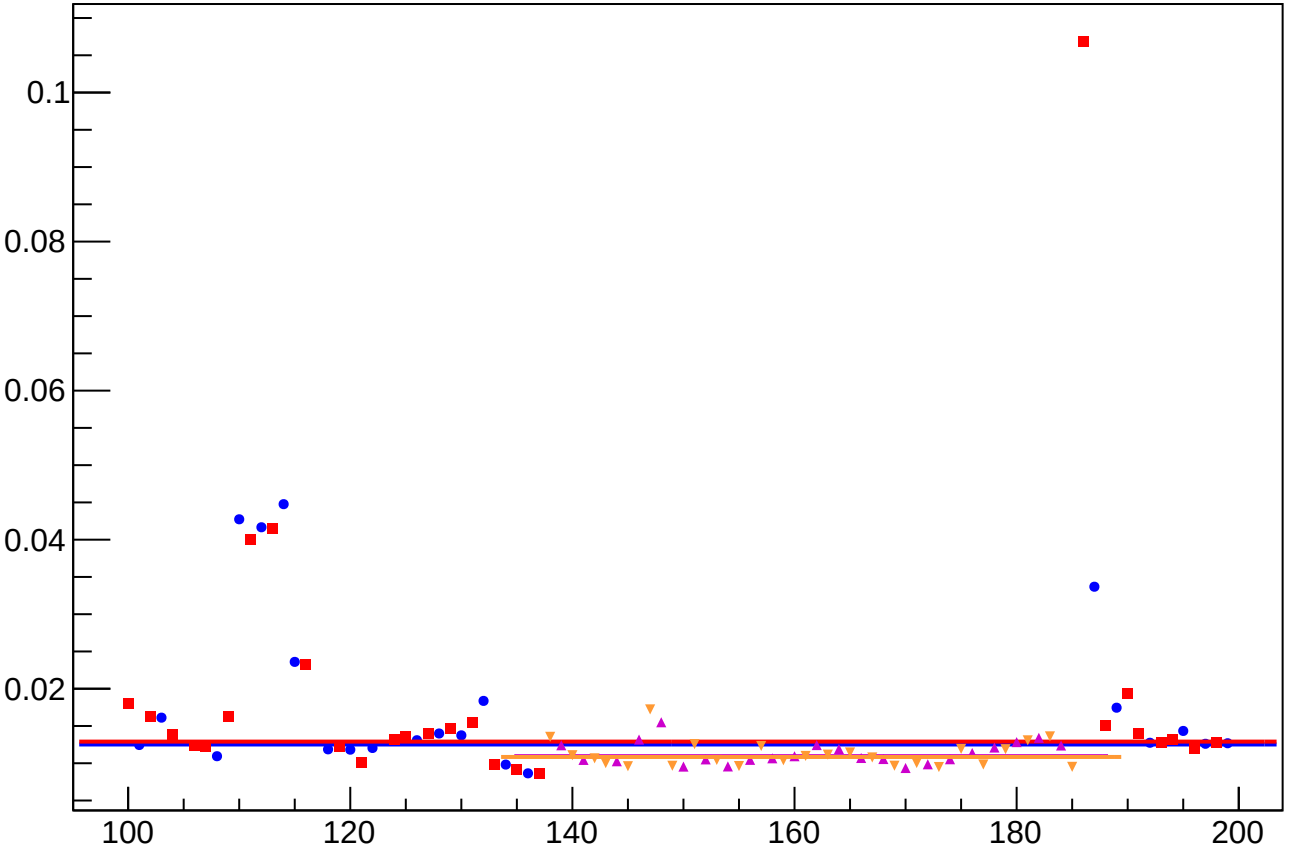
Right: 0.415+/-0.000 χ^2/NDF: 16331738445.9/48

In: 0.328+/-0.000 χ^2/NDF:8360278761.2/44

Out: 0.330+/-0.000 χ^2/NDF:9362307863.7/51

All: 0.329+/-0.000 χ^2/NDF: 17723089074.3/9

yield_bpm4eY_rms vs Slug, Sign Corrected



Right In: 0.013+/-0.000 χ^2/NDF: 1763088.0/21

Left Out: 0.011+/-0.000 χ^2/NDF:654475.7/24

Right Out: 0.013+/-0.000 χ^2/NDF: 2158243.9/26

Left In: 0.011+/-0.000 χ^2/NDF:512130.1/22

Left: 0.011+/-0.000 χ^2/NDF: 1168468.8/47

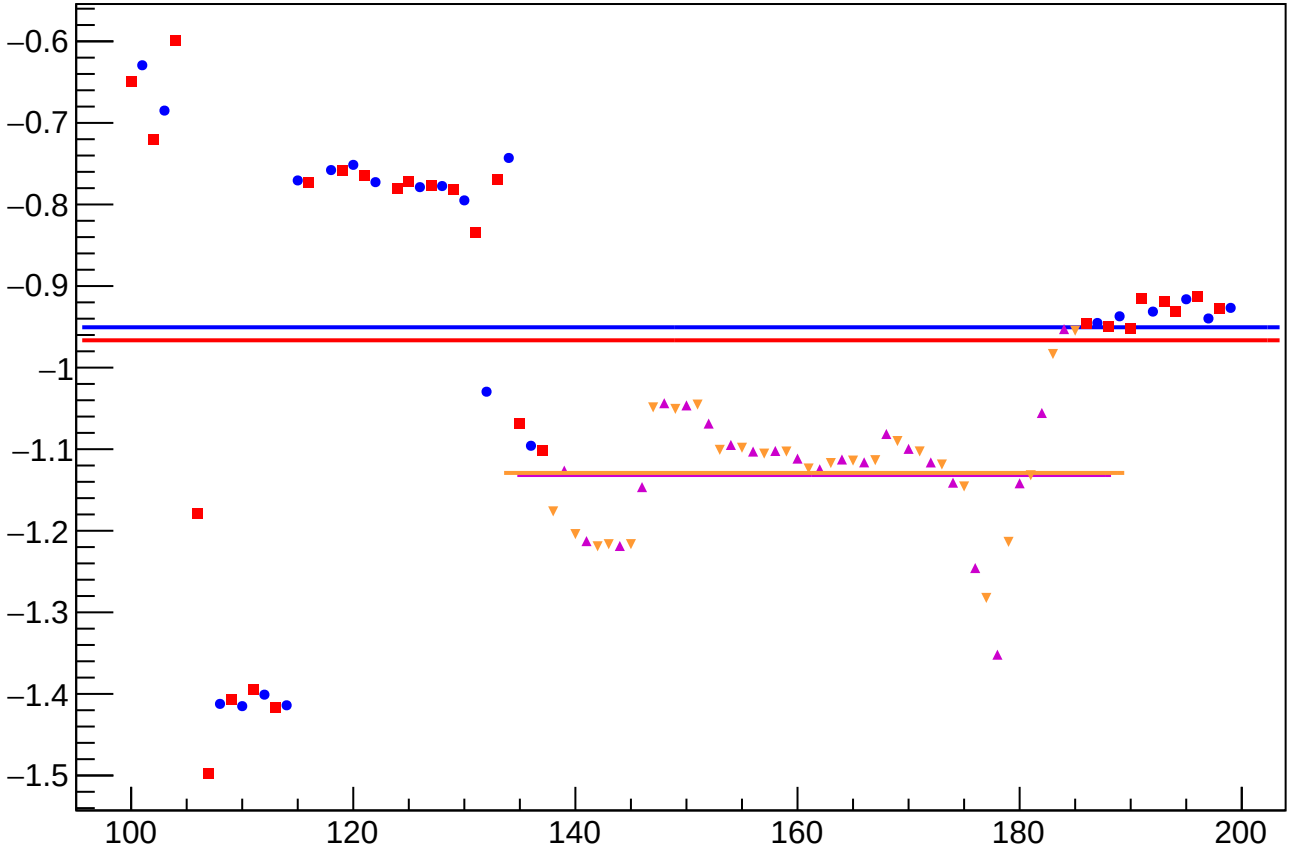
Right: 0.013+/-0.000 χ^2/NDF: 3930945.2/48

In: 0.011+/-0.000 χ^2/NDF:2490339.6/44

Out: 0.011+/-0.000 χ^2/NDF:3202708.4/51

All: 0.011+/-0.000 χ^2/NDF: 5693134.7/96

yield_bpm4acX_mean vs Slug, Sign Corrected



Right In: -0.951+/-0.000 χ^2/NDF: 699896318.0/21

Left Out: -1.129+/-0.000 χ^2/NDF:238152679.4/24

Right Out: -0.967+/-0.000 χ^2/NDF: 716253572.3/26

Left In: -1.132+/-0.000 χ^2/NDF:260075820.5/22

Left: -1.130+/-0.000 χ^2/NDF: 498379456.8/47

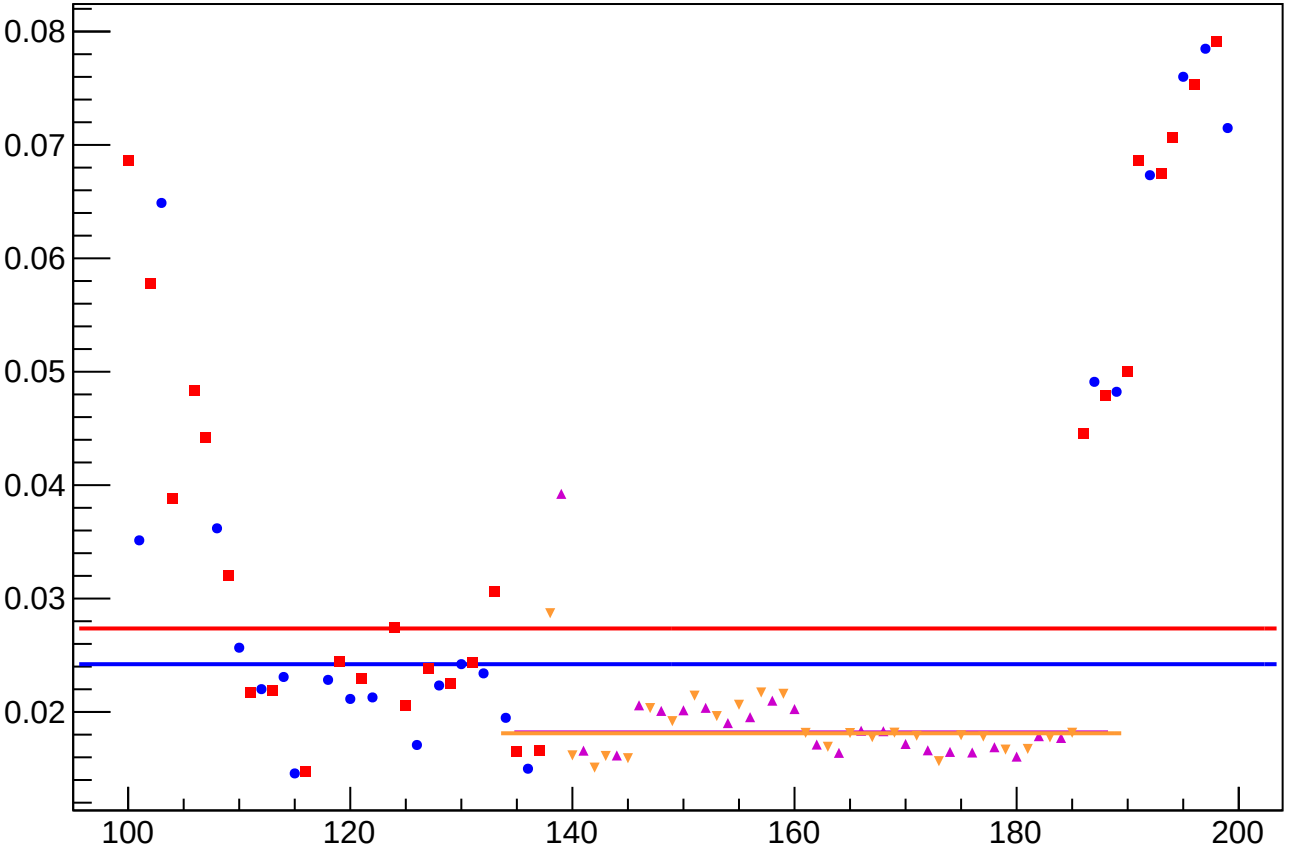
Right: -0.958+/-0.000 χ^2/NDF: 1417735385.5/48

In: -1.090+/-0.000 χ^2/NDF:1291503249.7/44

Out: -1.097+/-0.000 χ^2/NDF:1204793021.4/51

All: -1.094+/-0.000 χ^2/NDF: 2497466885.9/9

yield_bpm4acX_rms vs Slug, Sign Corrected



Right In: 0.024+/-0.000 χ^2/NDF: 4884102.7/21

Left Out: 0.018+/-0.000 χ^2/NDF:474004.4/24

Right Out: 0.027+/-0.000 χ^2/NDF: 5005123.7/26

Left In: 0.018+/-0.000 χ^2/NDF:723957.3/22

Left: 0.018+/-0.000 χ^2/NDF: 1198259.9/47

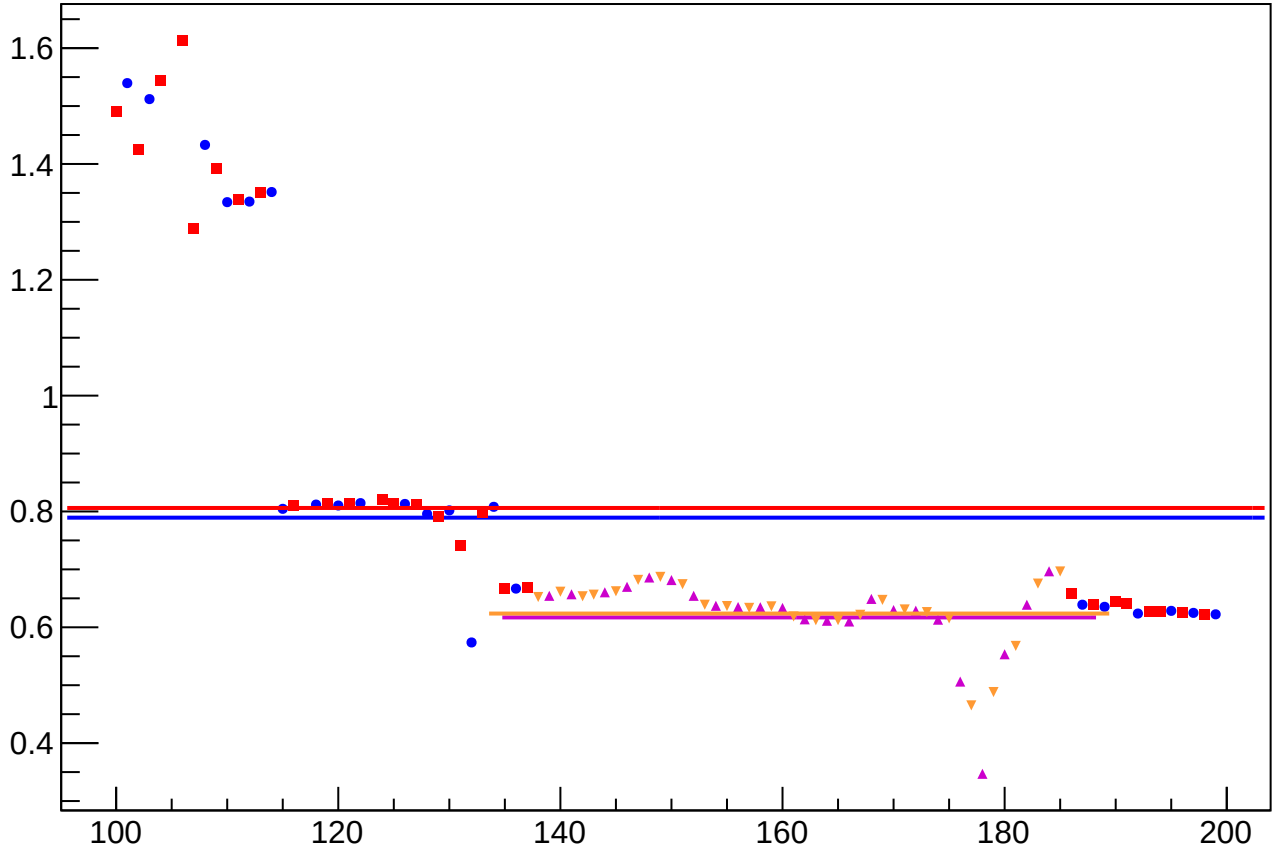
Right: 0.026+/-0.000 χ^2/NDF: 10012500.7/48

In: 0.020+/-0.000 χ^2/NDF:6338432.8/44

Out: 0.020+/-0.000 χ^2/NDF:7097206.1/51

All: 0.020+/-0.000 χ^2/NDF: 13444509.5/96

yield_bpm4acY_mean vs Slug, Sign Corrected



Right In: 0.789+/-0.000 χ^2/NDF: 3520103969.1/21

Left Out: 0.624+/-0.000 χ^2/NDF:400613435.2/24

Right Out: 0.806+/-0.000 χ^2/NDF: 3808479767.9/26

Left In: 0.617+/-0.000 χ^2/NDF:646297442.3/22

Left: 0.620+/-0.000 χ^2/NDF: 1049789293.9/47

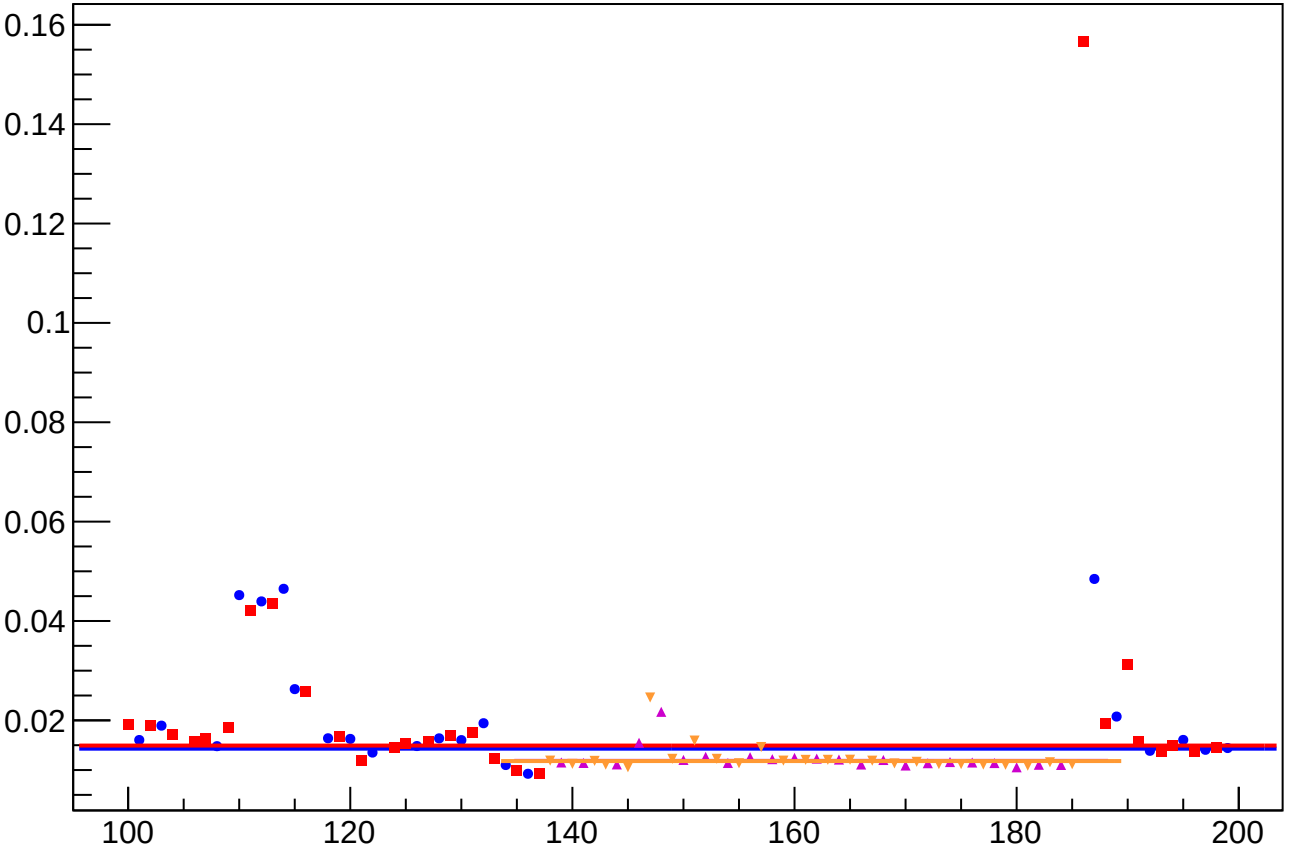
Right: 0.798+/-0.000 χ^2/NDF: 7335350267.8/48

In: 0.665+/-0.000 χ^2/NDF:5198244779.0/44

Out: 0.673+/-0.000 χ^2/NDF:5390222465.9/51

All: 0.669+/-0.000 χ^2/NDF: 10593642046.3/9

yield_bpm4acY_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 1944505.1/21

Left Out: 0.012+/-0.000 χ^2/NDF:673680.7/24

Right Out: 0.015+/-0.000 χ^2/NDF: 2383216.7/26

Left In: 0.012+/-0.000 χ^2/NDF:508762.0/22

Left: 0.012+/-0.000 χ^2/NDF: 1182628.0/47

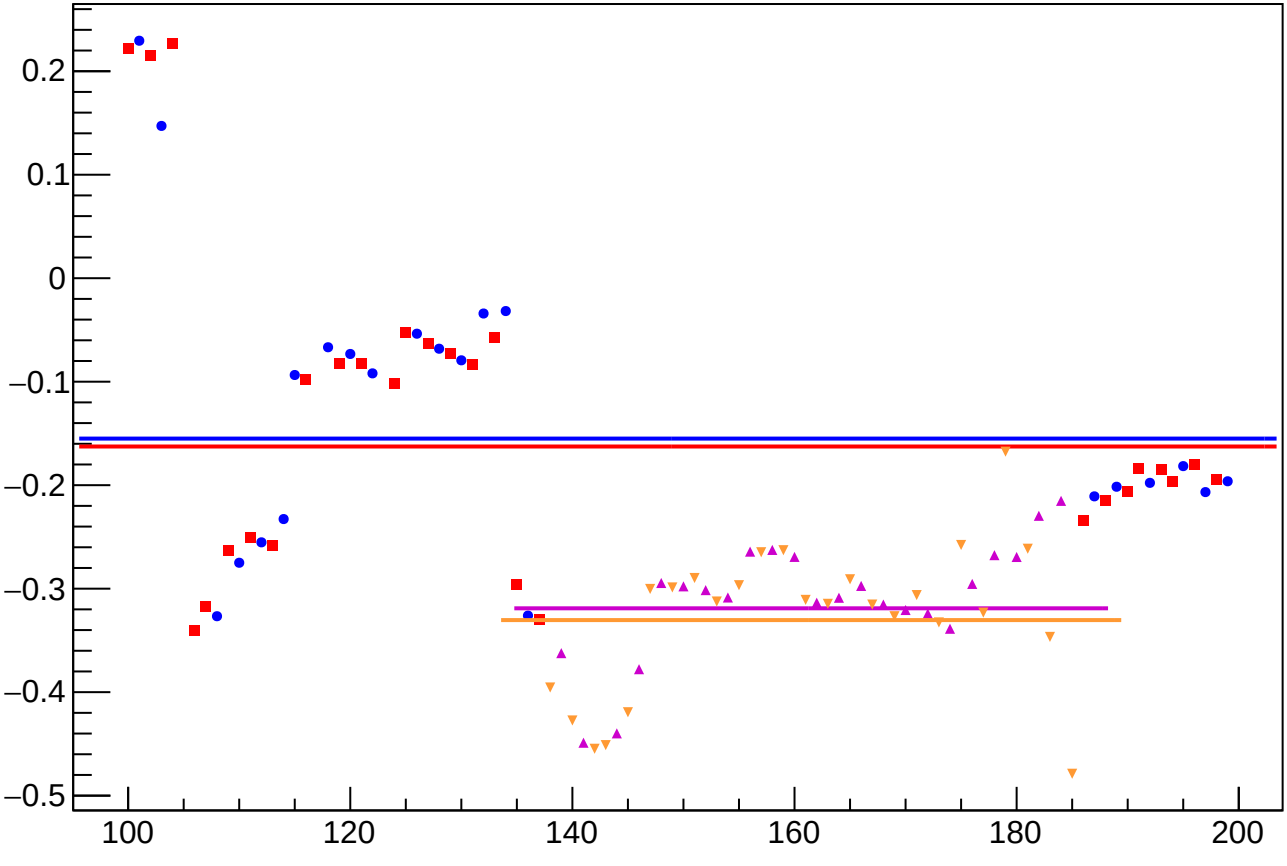
Right: 0.015+/-0.000 χ^2/NDF: 4346546.1/48

In: 0.013+/-0.000 χ^2/NDF:2873121.2/44

Out: 0.013+/-0.000 χ^2/NDF:3748326.4/51

All: 0.013+/-0.000 χ^2/NDF: 6623776.6/96

yield_bpm4ecX_mean vs Slug, Sign Corrected



Right In: -0.155+/-0.000 χ^2/NDF: 276056935.8/21

Left Out: -0.330+/-0.000 χ^2/NDF:182729419.2/24

Right Out: -0.163+/-0.000 χ^2/NDF: 198311177.9/26

Left In: -0.319+/-0.000 χ^2/NDF:130589173.8/22

Left: -0.325+/-0.000 χ^2/NDF: 316163358.3/47

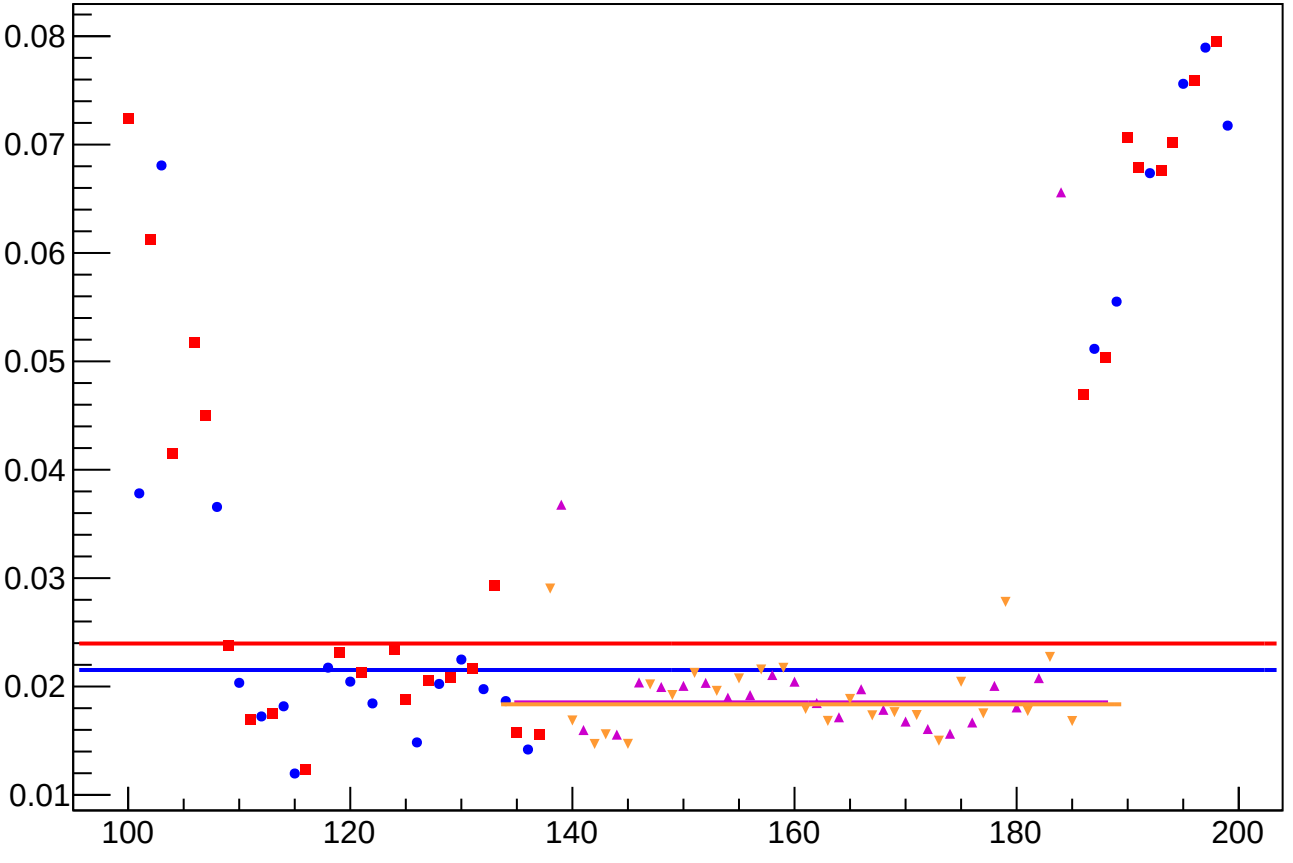
Right: -0.159+/-0.000 χ^2/NDF: 474812638.6/48

In: -0.274+/-0.000 χ^2/NDF:717458697.3/44

Out: -0.290+/-0.000 χ^2/NDF:691308663.4/51

All: -0.282+/-0.000 χ^2/NDF: 1415954551.8/9

yield_bpm4ecX_rms vs Slug, Sign Corrected



Right In: 0.022+/-0.000 χ^2/NDF: 5560740.9/21

Left Out: 0.018+/-0.000 χ^2/NDF:737503.8/24

Right Out: 0.024+/-0.000 χ^2/NDF: 6057980.5/26

Left In: 0.019+/-0.000 χ^2/NDF:933807.9/22

Left: 0.018+/-0.000 χ^2/NDF: 1672700.6/47

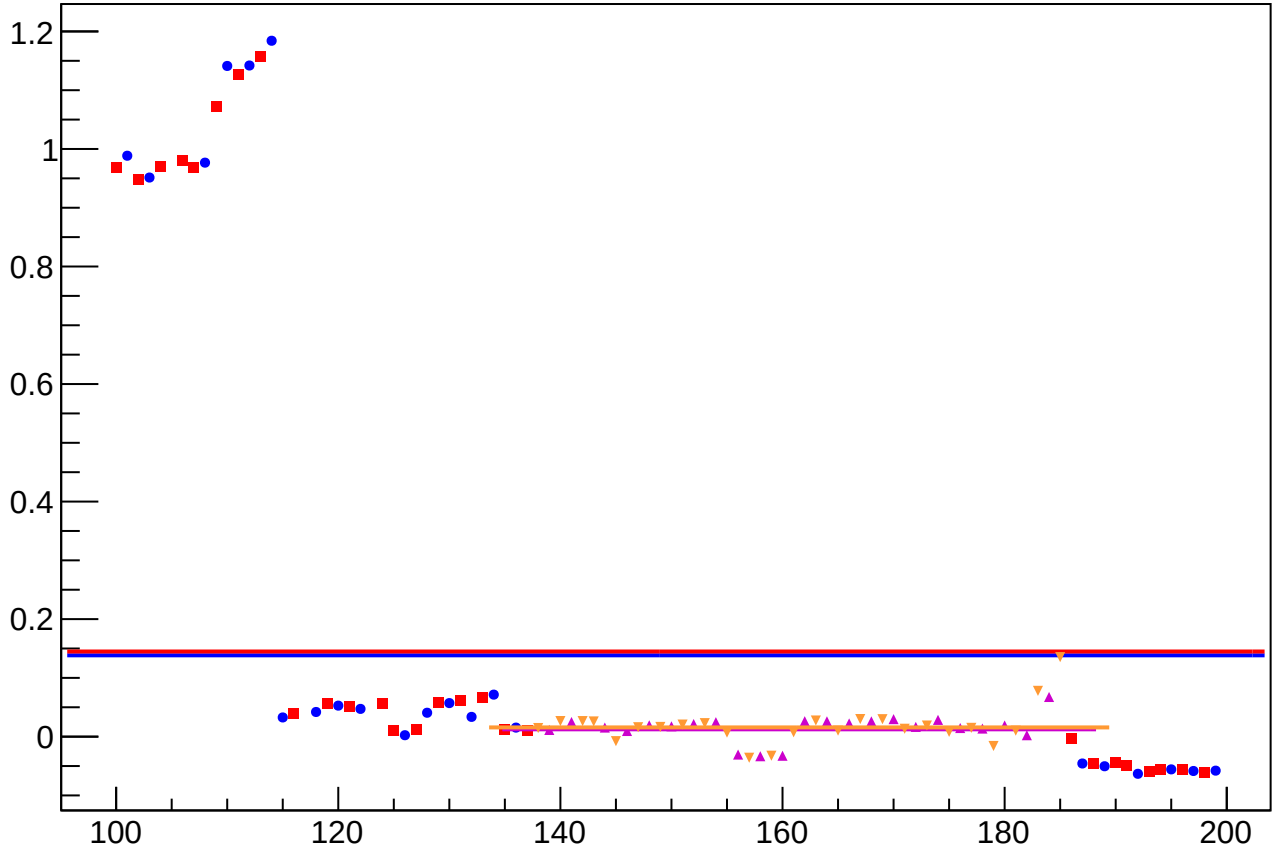
Right: 0.023+/-0.000 χ^2/NDF: 11709299.2/48

In: 0.019+/-0.000 χ^2/NDF:6700801.2/44

Out: 0.020+/-0.000 χ^2/NDF:7489040.7/51

All: 0.020+/-0.000 χ^2/NDF: 14197611.1/96

yield_bpm4ecY_mean vs Slug, Sign Corrected



Right In: 0.138+/-0.000 χ^2/NDF: 7822155201.9/21

Left Out: 0.016+/-0.000 χ^2/NDF:104485335.8/24

Right Out: 0.145+/-0.000 χ^2/NDF: 8546928263.6/26

Left In: 0.012+/-0.000 χ^2/NDF:58674739.1/22

Left: 0.014+/-0.000 χ^2/NDF: 163971847.3/47

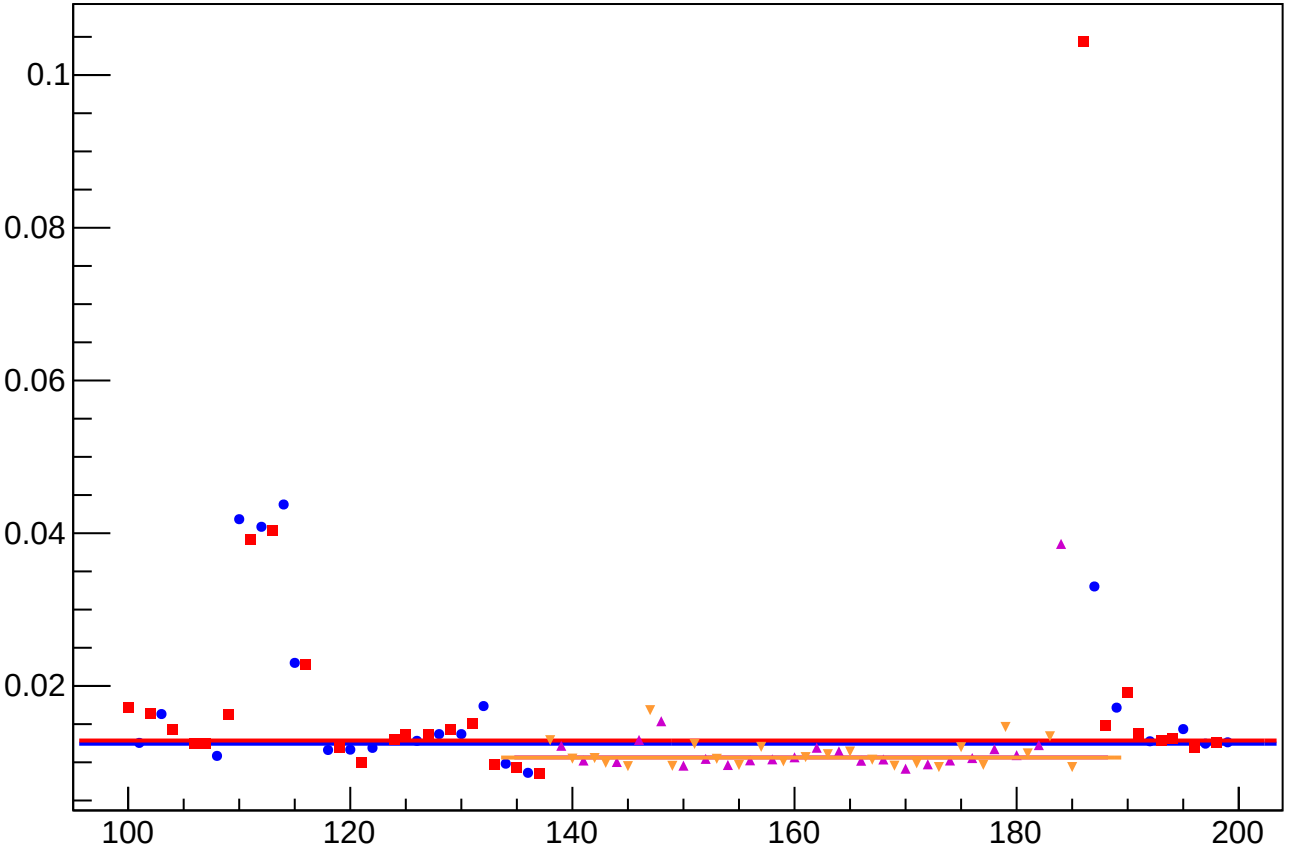
Right: 0.142+/-0.000 χ^2/NDF: 16370459821.5/48

In: 0.050+/-0.000 χ^2/NDF:8594857815.9/44

Out: 0.054+/-0.000 χ^2/NDF:9426503255.7/51

All: 0.052+/-0.000 χ^2/NDF: 18022638613.8/9

yield_bpm4ecY_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 1728736.9/21

Left Out: 0.011+/-0.000 χ^2/NDF:622208.3/24

Right Out: 0.013+/-0.000 χ^2/NDF: 2103792.9/26

Left In: 0.011+/-0.000 χ^2/NDF:571950.9/22

Left: 0.011+/-0.000 χ^2/NDF: 1194217.8/47

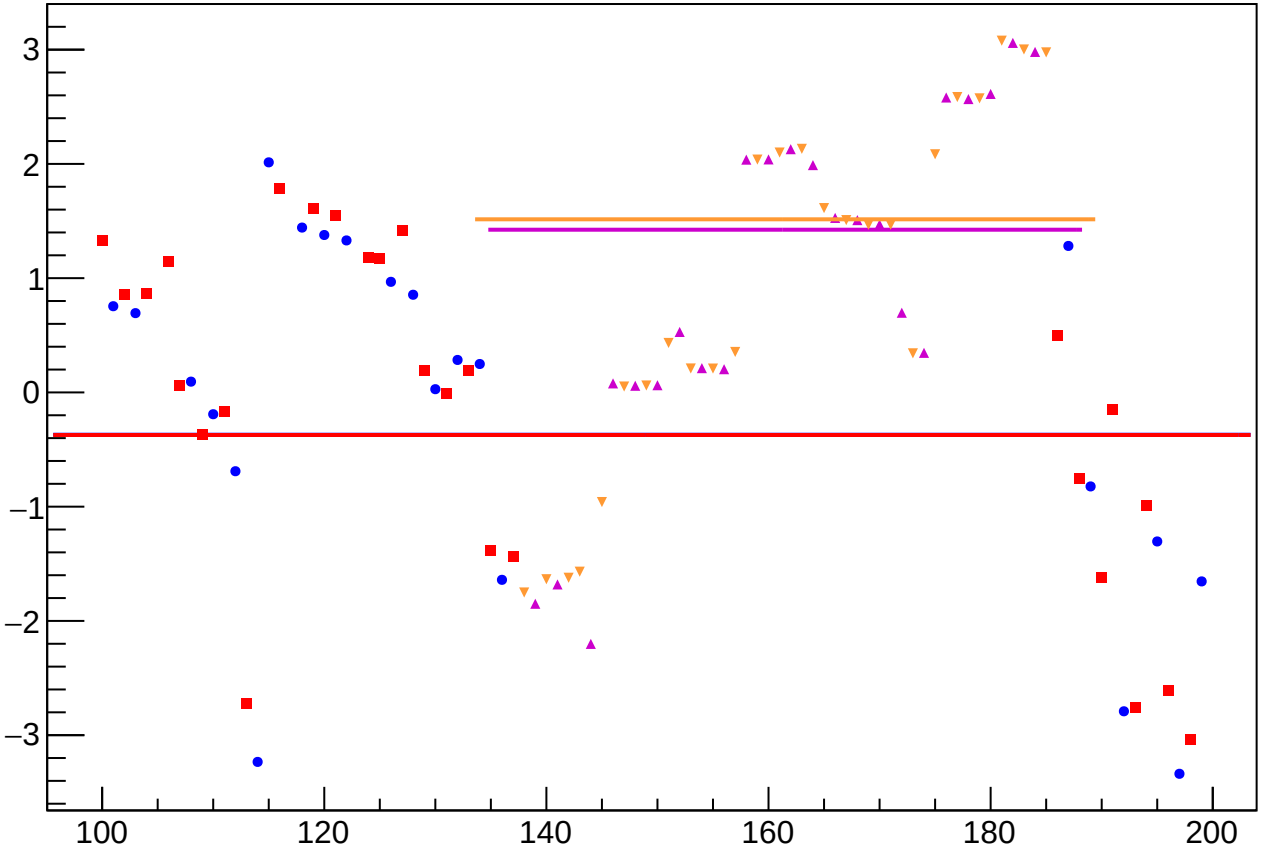
Right: 0.013+/-0.000 χ^2/NDF: 3843914.2/48

In: 0.011+/-0.000 χ^2/NDF:2590143.8/44

Out: 0.011+/-0.000 χ^2/NDF:3188216.7/51

All: 0.011+/-0.000 χ^2/NDF: 5780459.3/96

yield_bpm1X_mean vs Slug, Sign Corrected



Right In: -0.371+/-0.000 χ^2/NDF: 5997349681.6/21

Left Out: 1.515+/-0.000 χ^2/NDF:67789388512.2/24

Right Out: -0.373+/-0.000 χ^2/NDF: 6257797293.1/26

Left In: 1.424+/-0.000 χ^2/NDF:68046262594.0/22

Left: 1.469+/-0.000 χ^2/NDF: 136089936937.5/47

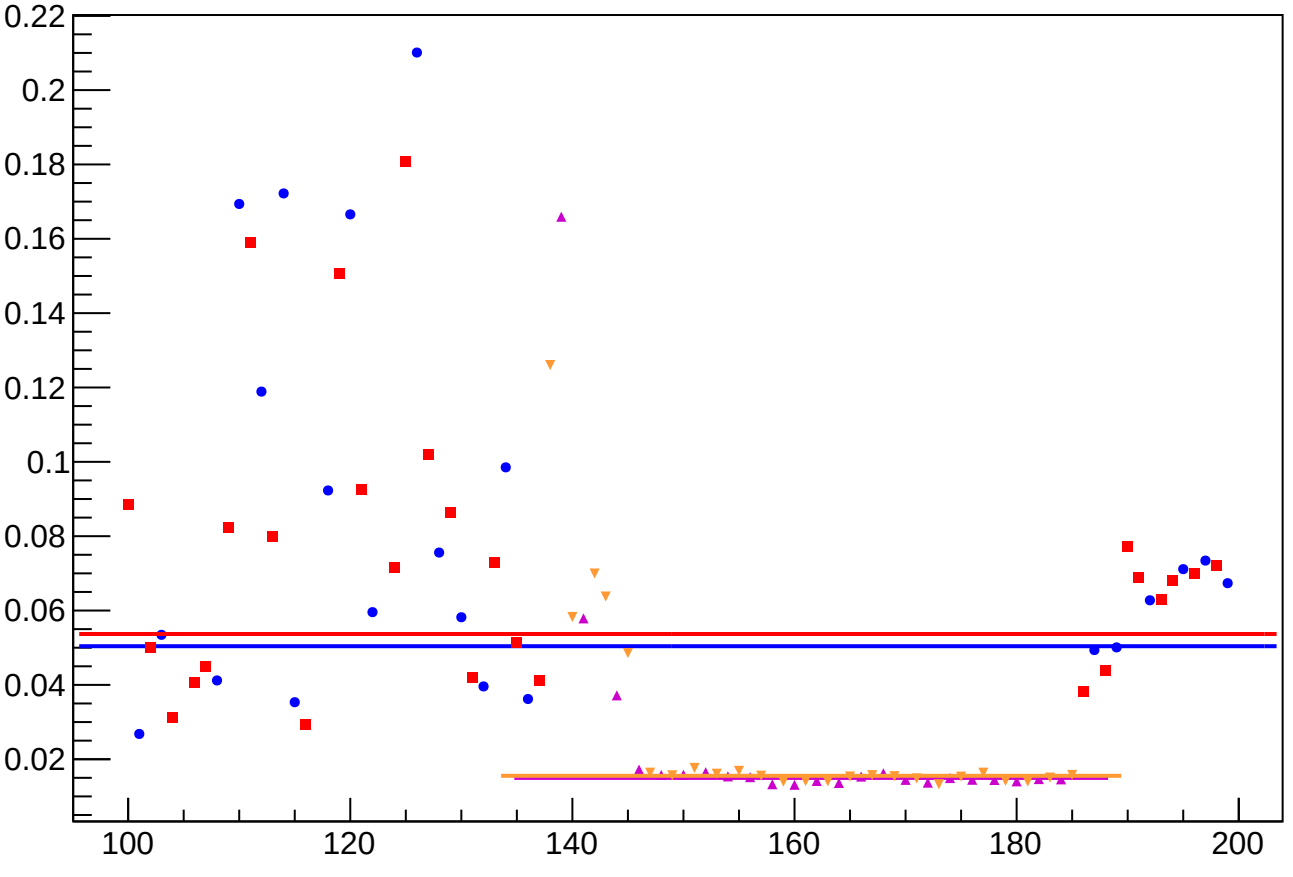
Right: -0.372+/-0.000 χ^2/NDF: 12255153453.4/48

In: 1.342+/-0.000 χ^2/NDF:83167126832.4/44

Out: 1.422+/-0.000 χ^2/NDF:84711861872.2/51

All: 1.382+/-0.000 χ^2/NDF: 168083631910.4

yield_bpm1X_rms vs Slug, Sign Corrected



Right In: 0.050+/-0.000 χ^2/NDF: 3427498.1/21

Left Out: 0.016+/-0.000 χ^2/NDF:2984313.0/24

Right Out: 0.054+/-0.000 χ^2/NDF: 2972070.8/26

Left In: 0.015+/-0.000 χ^2/NDF:2182916.7/22

Left: 0.015+/-0.000 χ^2/NDF: 5187209.1/47

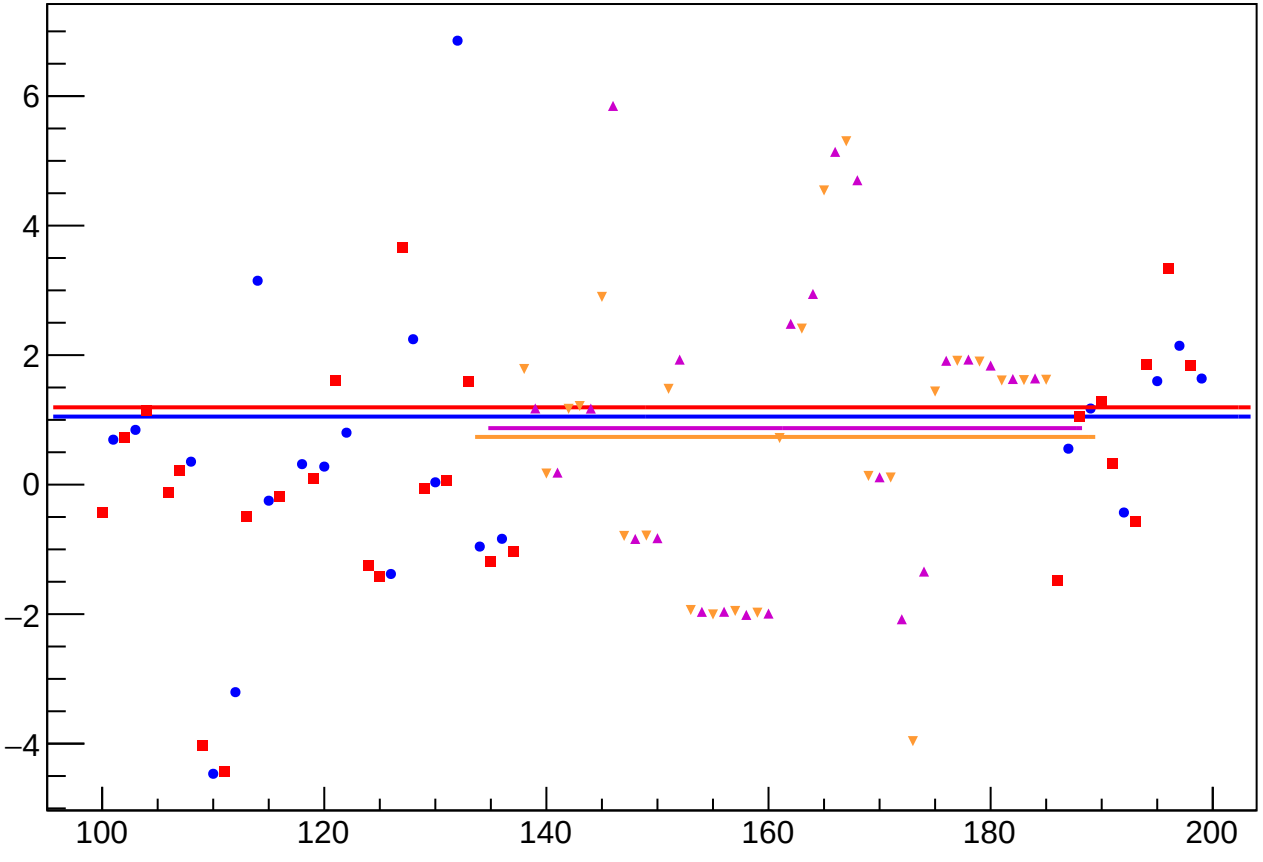
Right: 0.052+/-0.000 χ^2/NDF: 6432590.2/48

In: 0.017+/-0.000 χ^2/NDF:12722059.5/44

Out: 0.017+/-0.000 χ^2/NDF:14665844.0/51

All: 0.017+/-0.000 χ^2/NDF: 27433113.4/96

yield_bpm1Y_mean vs Slug, Sign Corrected



Right In: 1.051+/-0.000 χ^2/NDF: 20541814047.7/21

Left Out: 0.737+/-0.000 χ^2/NDF:535962480112.3/24

Right Out: 1.194+/-0.000 χ^2/NDF: 25178119498.8/26

Left In: 0.872+/-0.000 χ^2/NDF:620161319368.2/22

Left: 0.804+/-0.000 χ^2/NDF: 1157039374771.8/47

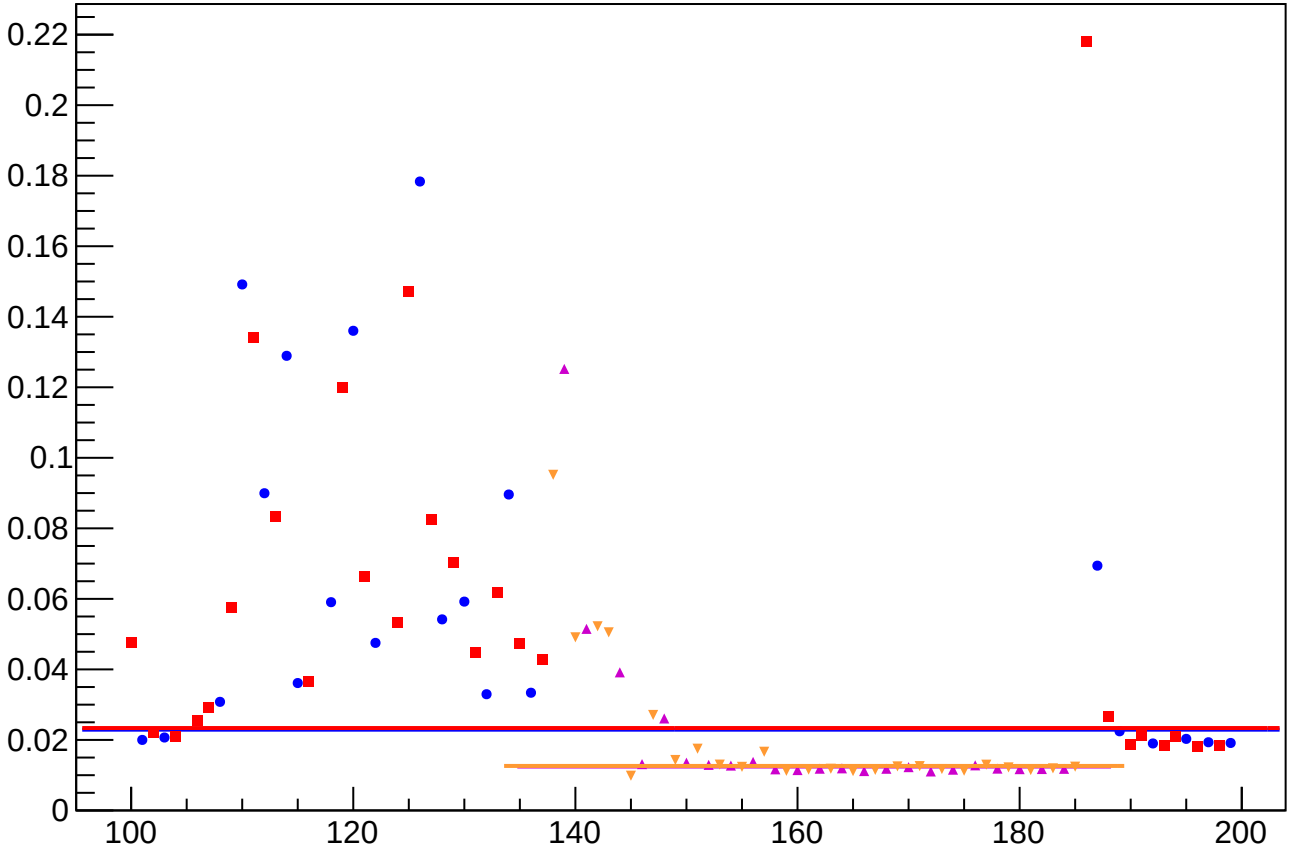
Right: 1.125+/-0.000 χ^2/NDF: 45862579534.4/48

In: 0.894+/-0.000 χ^2/NDF:641078065298.0/44

Out: 0.795+/-0.000 χ^2/NDF:563786749503.1/51

All: 0.844+/-0.000 χ^2/NDF: 1205416990269.

yield_bpm1Y_rms vs Slug, Sign Corrected



Right In: 0.023+/-0.000 χ^2/NDF: 3919569.5/21

Left Out: 0.013+/-0.000 χ^2/NDF:3191407.4/24

Right Out: 0.023+/-0.000 χ^2/NDF: 4971747.4/26

Left In: 0.012+/-0.000 χ^2/NDF:2756702.2/22

Left: 0.013+/-0.000 χ^2/NDF: 5950839.9/47

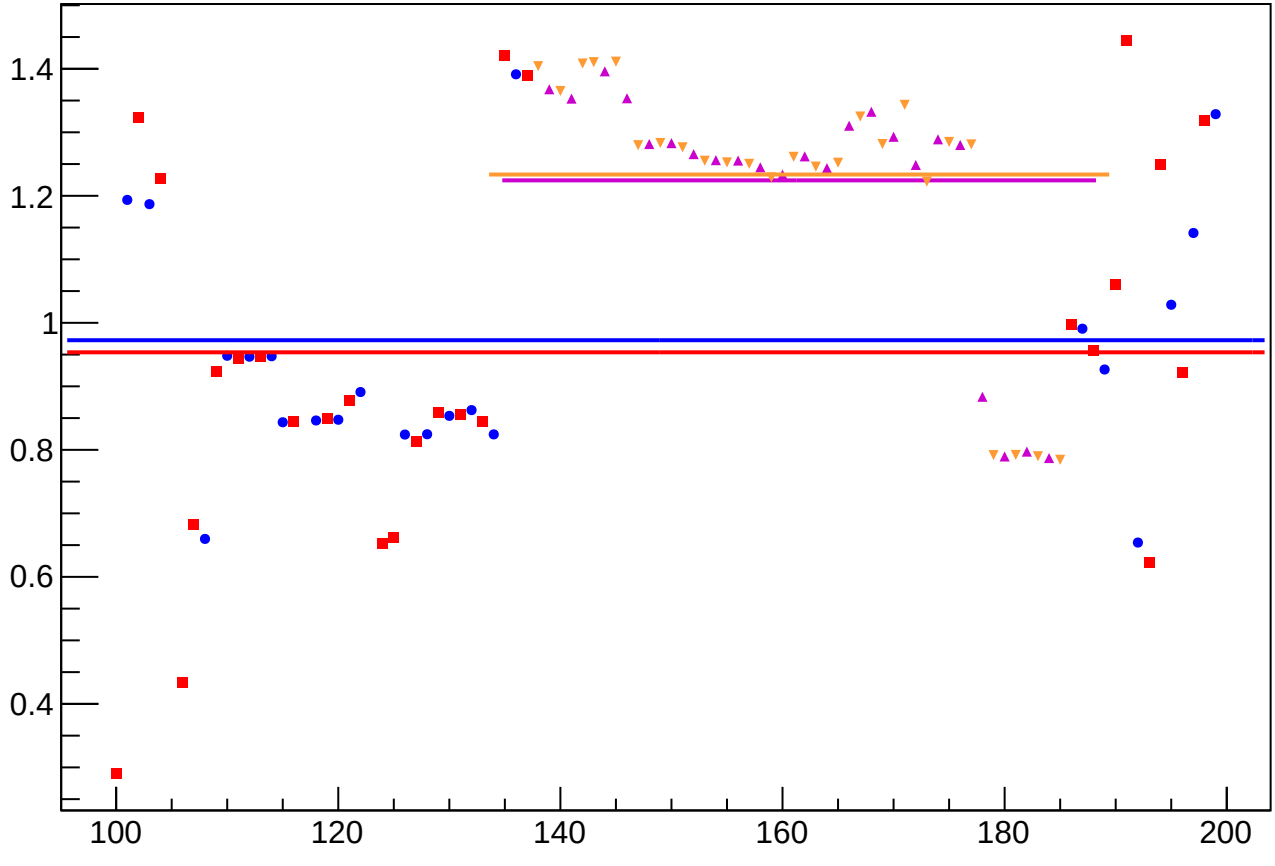
Right: 0.023+/-0.000 χ^2/NDF: 8894273.5/48

In: 0.014+/-0.000 χ^2/NDF:9254096.3/44

Out: 0.014+/-0.000 χ^2/NDF:11086547.8/51

All: 0.014+/-0.000 χ^2/NDF: 20350272.4/96

yield_bpm11X_mean vs Slug, Sign Corrected



Right In: 0.973+/-0.000 χ^2/NDF: 1704880863.7/21

Left Out: 1.234+/-0.000 χ^2/NDF:3043934887.1/24

Right Out: 0.954+/-0.000 χ^2/NDF: 2000700274.4/26

Left In: 1.224+/-0.000 χ^2/NDF:2653773297.1/22

Left: 1.229+/-0.000 χ^2/NDF: 5701436778.1/47

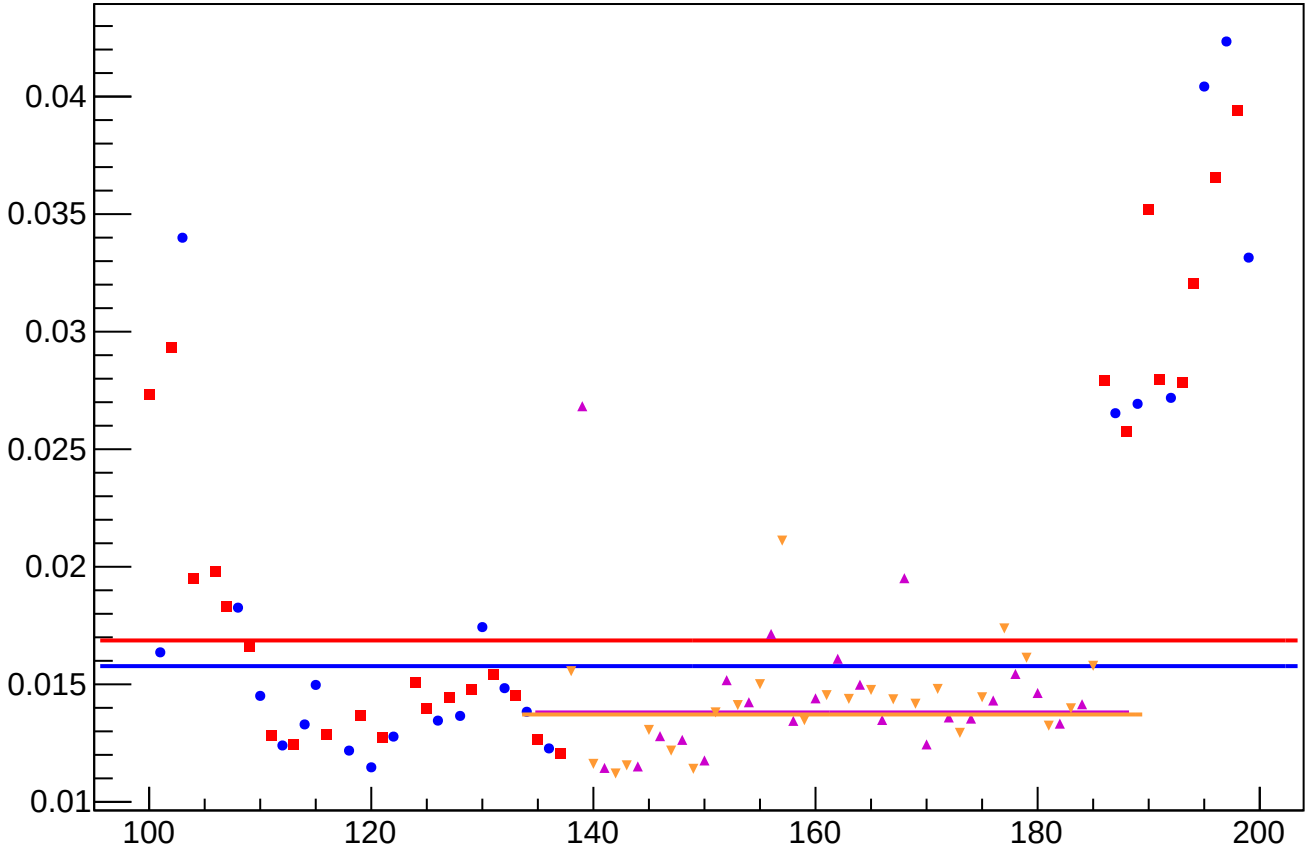
Right: 0.963+/-0.000 χ^2/NDF: 3712144791.6/48

In: 1.149+/-0.000 χ^2/NDF:5970735350.8/44

Out: 1.154+/-0.000 χ^2/NDF:7057138704.3/51

All: 1.152+/-0.000 χ^2/NDF: 13029213480.8/9

yield_bpm11X_rms vs Slug, Sign Corrected



Right In: 0.016+/-0.000 χ^2/NDF: 3066979.2/21

Left Out: 0.014+/-0.000 χ^2/NDF:550789.3/24

Right Out: 0.017+/-0.000 χ^2/NDF: 3068173.0/26

Left In: 0.014+/-0.000 χ^2/NDF:870104.2/22

Left: 0.014+/-0.000 χ^2/NDF: 1421553.5/47

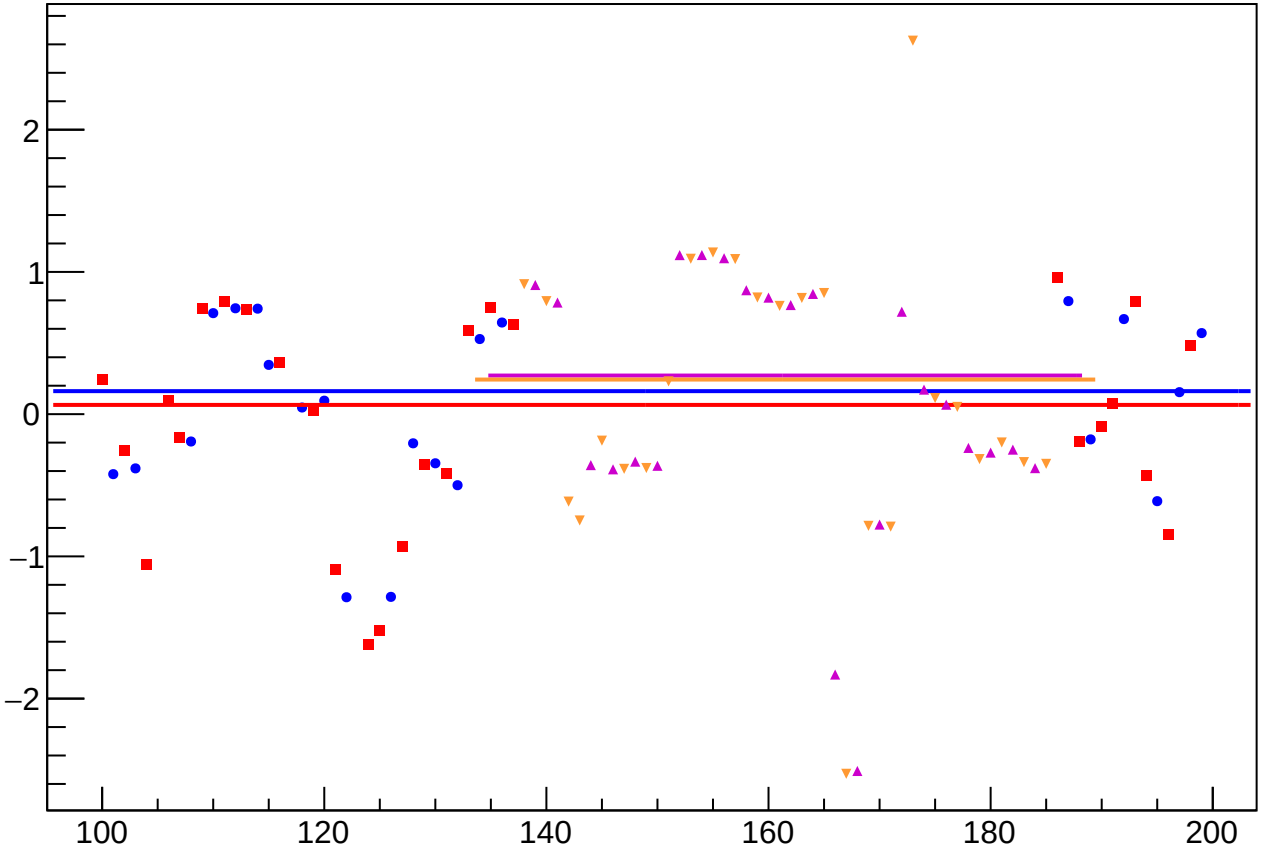
Right: 0.016+/-0.000 χ^2/NDF: 6178177.0/48

In: 0.014+/-0.000 χ^2/NDF:4134600.7/44

Out: 0.015+/-0.000 χ^2/NDF:4127986.1/51

All: 0.015+/-0.000 χ^2/NDF: 8268662.2/96

yield_bpm11Y_mean vs Slug, Sign Corrected



Right In: 0.162+/-0.000 χ^2/NDF: 18084197561.3/21

Left Out: 0.243+/-0.000 χ^2/NDF:105591710525.9/24

Right Out: 0.065+/-0.000 χ^2/NDF: 28522878738.3/26

Left In: 0.271+/-0.000 χ^2/NDF:90500933388.6/22

Left: 0.257+/-0.000 χ^2/NDF: 196139241247.8/47

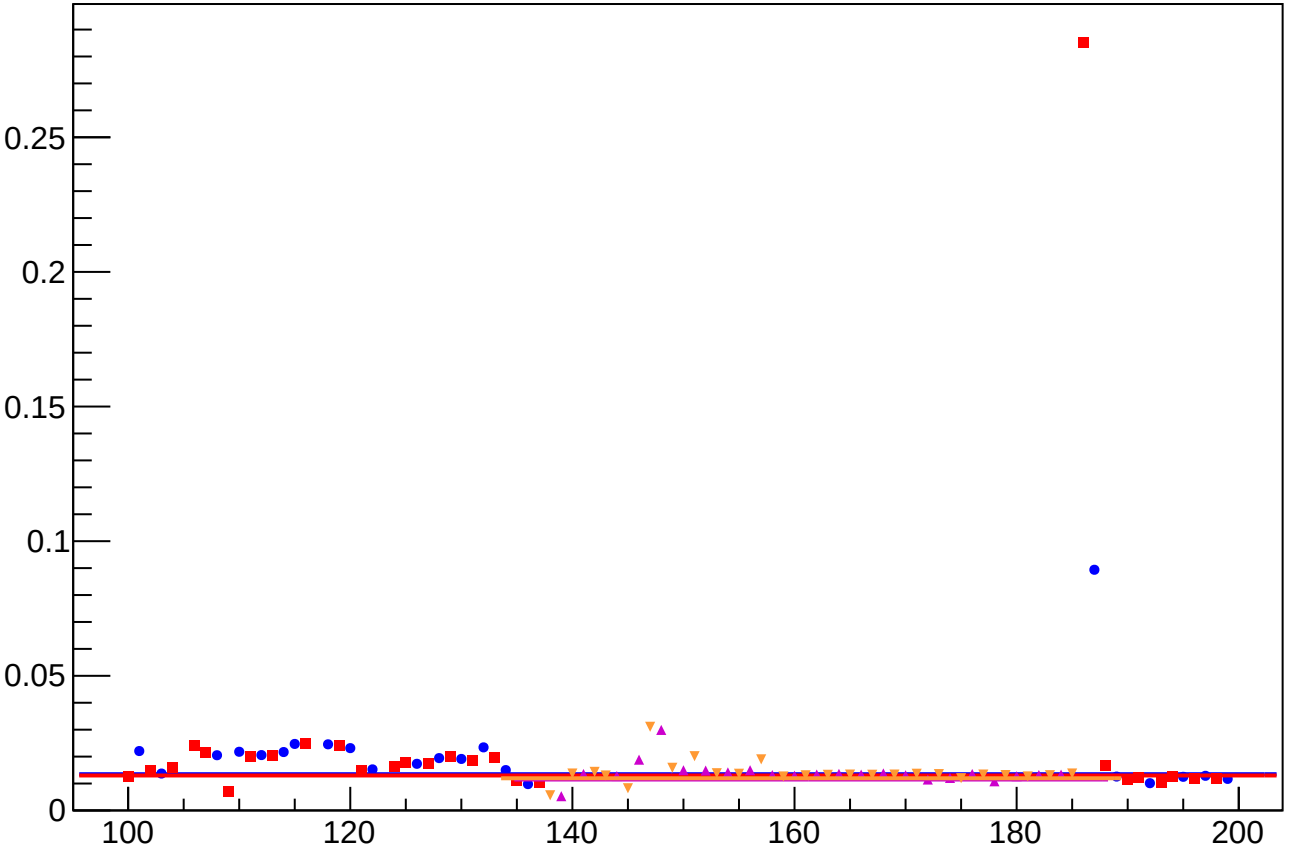
Right: 0.110+/-0.000 χ^2/NDF: 46869574577.6/48

In: 0.238+/-0.000 χ^2/NDF:109020882310.0/44

Out: 0.183+/-0.000 χ^2/NDF:135378752290.2/51

All: 0.210+/-0.000 χ^2/NDF: 244659458796.1

yield_bpm11Y_rms vs Slug, Sign Corrected



Right In: 0.013+/-0.000 χ^2/NDF: 2010014.3/21

Left Out: 0.012+/-0.000 χ^2/NDF:3266034.8/24

Right Out: 0.013+/-0.000 χ^2/NDF: 2658209.3/26

Left In: 0.011+/-0.000 χ^2/NDF:3671096.5/22

Left: 0.012+/-0.000 χ^2/NDF: 6962181.1/47

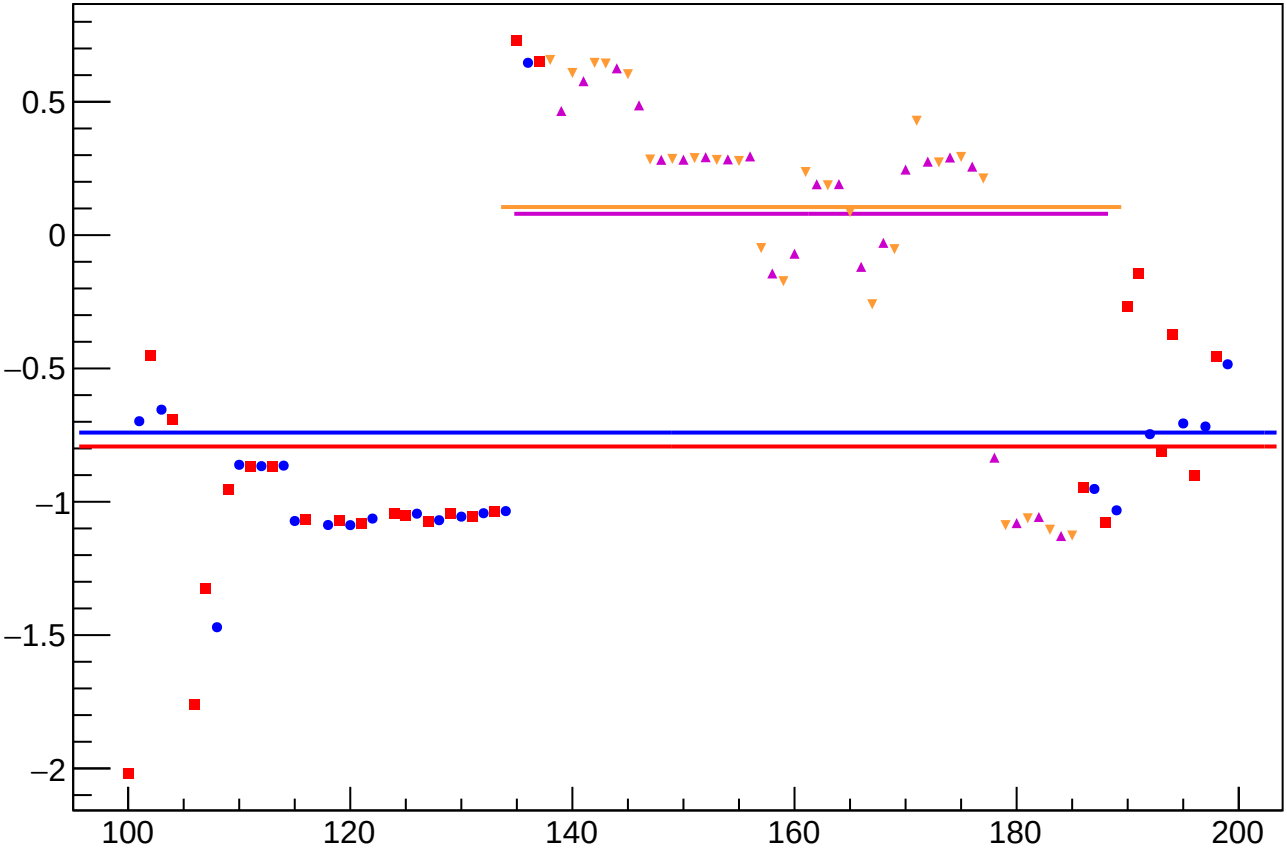
Right: 0.013+/-0.000 χ^2/NDF: 4680710.4/48

In: 0.012+/-0.000 χ^2/NDF:5964839.7/44

Out: 0.012+/-0.000 χ^2/NDF:6010900.8/51

All: 0.012+/-0.000 χ^2/NDF: 11983079.3/96

yield_bpm12X_mean vs Slug, Sign Corrected



Right In: -0.740+/-0.000 χ^2/NDF: 2096842129.2/21

Left Out: 0.105+/-0.000 χ^2/NDF:3787188881.7/24

Right Out: -0.793+/-0.000 χ^2/NDF: 1985281167.1/26

Left In: 0.080+/-0.000 χ^2/NDF:3269598614.0/22

Left: 0.093+/-0.000 χ^2/NDF: 7060999344.9/47

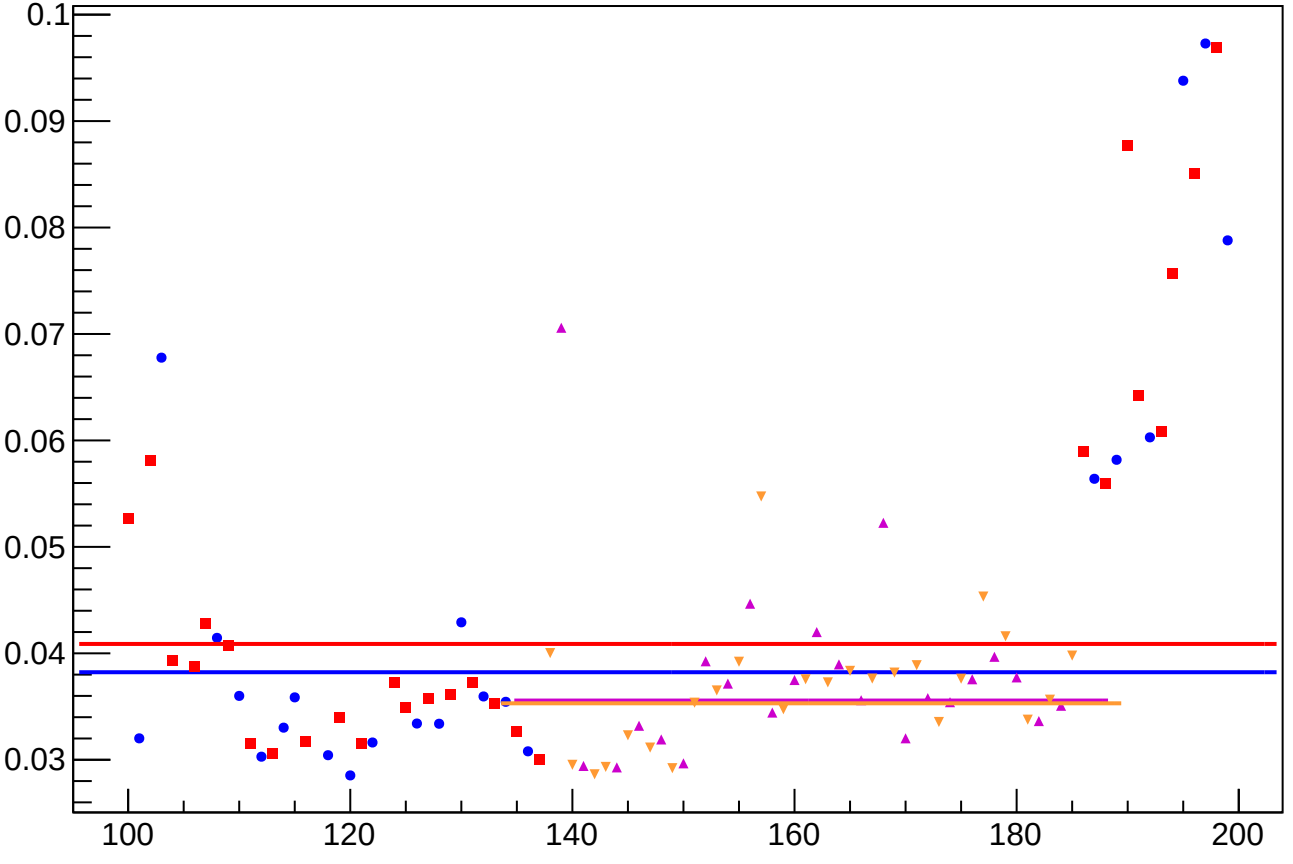
Right: -0.766+/-0.000 χ^2/NDF: 4090672157.2/48

In: -0.193+/-0.000 χ^2/NDF:8211434542.8/44

Out: -0.178+/-0.000 χ^2/NDF:9206995674.9/51

All: -0.185+/-0.000 χ^2/NDF: 17420462657.0/

yield_bpm12X_rms vs Slug, Sign Corrected



Right In: 0.038+/-0.000 χ^2/NDF: 2647666.5/21

Left Out: 0.035+/-0.000 χ^2/NDF:612627.1/24

Right Out: 0.041+/-0.000 χ^2/NDF: 2540966.8/26

Left In: 0.036+/-0.000 χ^2/NDF:960383.5/22

Left: 0.035+/-0.000 χ^2/NDF: 1573892.0/47

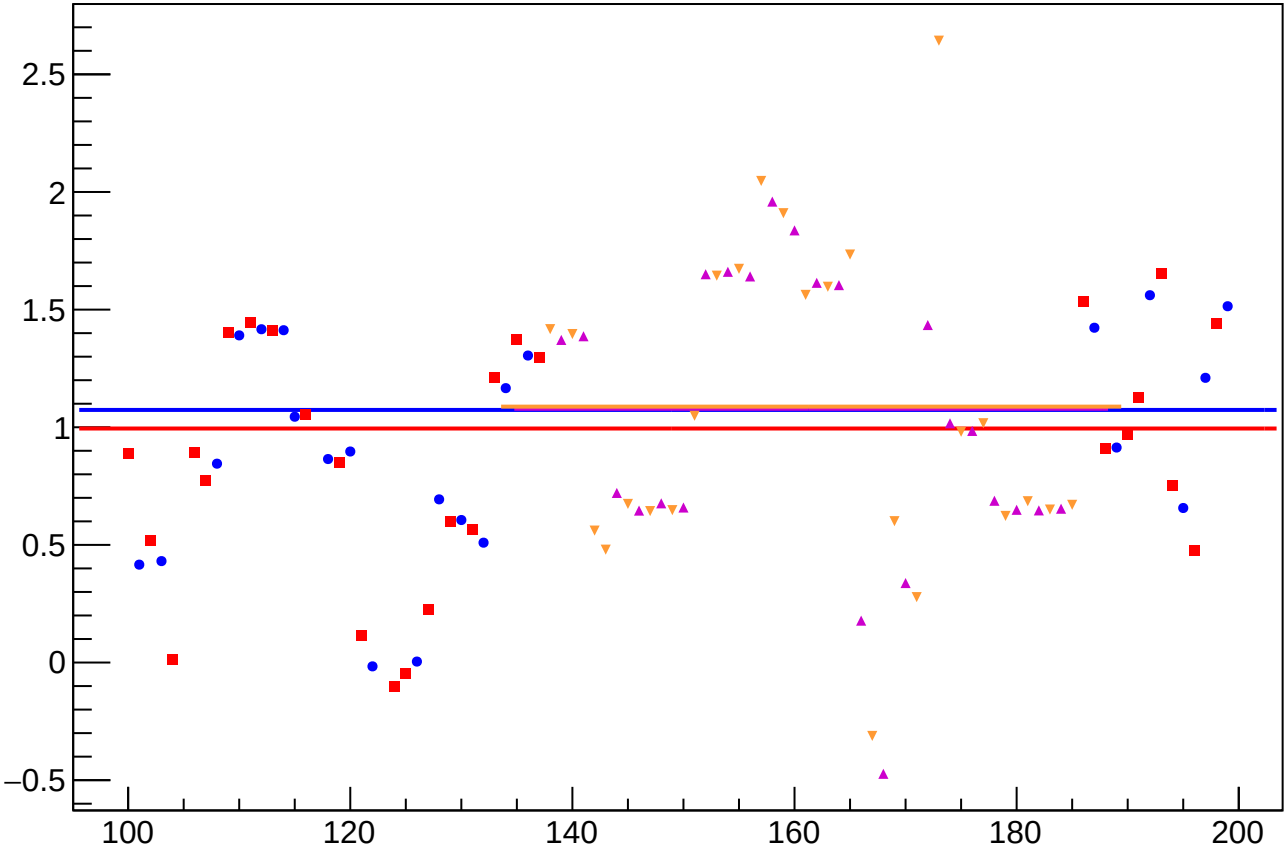
Right: 0.040+/-0.000 χ^2/NDF: 5232929.6/48

In: 0.036+/-0.000 χ^2/NDF:3667915.2/44

Out: 0.037+/-0.000 χ^2/NDF:3418567.9/51

All: 0.037+/-0.000 χ^2/NDF: 7093858.0/96

yield_bpm12Y_mean vs Slug, Sign Corrected



Right In: 1.074+/-0.000 χ^2/NDF: 23464033443.8/21

Left Out: 1.088+/-0.000 χ^2/NDF:93851056436.3/24

Right Out: 0.995+/-0.000 χ^2/NDF: 30370798631.6/26

Left In: 1.079+/-0.000 χ^2/NDF:74081002727.0/22

Left: 1.083+/-0.000 χ^2/NDF: 167940854654.3/47

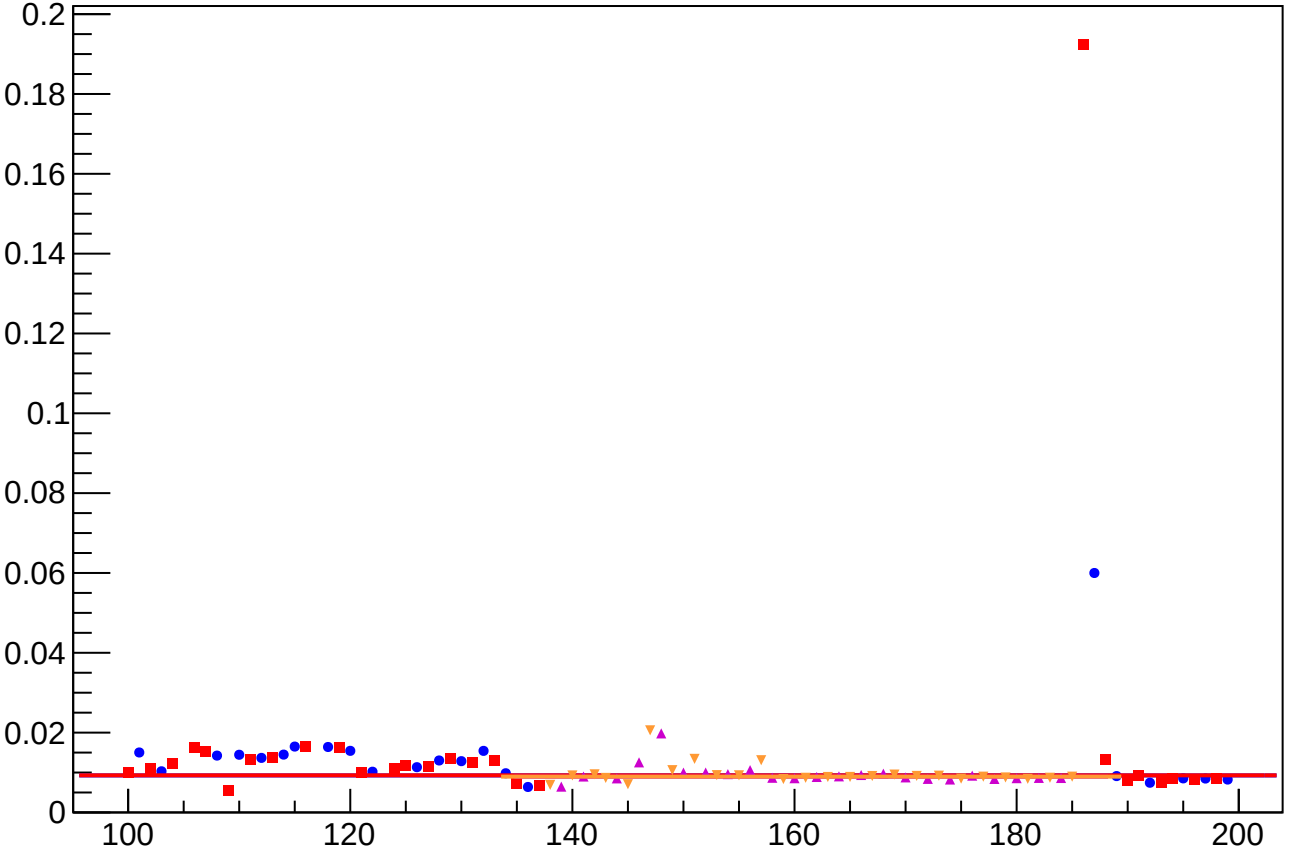
Right: 1.033+/-0.000 χ^2/NDF: 54197591549.3/48

In: 1.077+/-0.000 χ^2/NDF:97546917874.9/44

Out: 1.055+/-0.000 χ^2/NDF:124899180774.0/51

All: 1.066+/-0.000 χ^2/NDF: 222524920457.3

yield_bpm12Y_rms vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 1898041.0/21

Left Out: 0.009+/-0.000 χ^2/NDF:1146497.6/24

Right Out: 0.009+/-0.000 χ^2/NDF: 2371647.6/26

Left In: 0.009+/-0.000 χ^2/NDF:966765.2/22

Left: 0.009+/-0.000 χ^2/NDF: 2113402.8/47

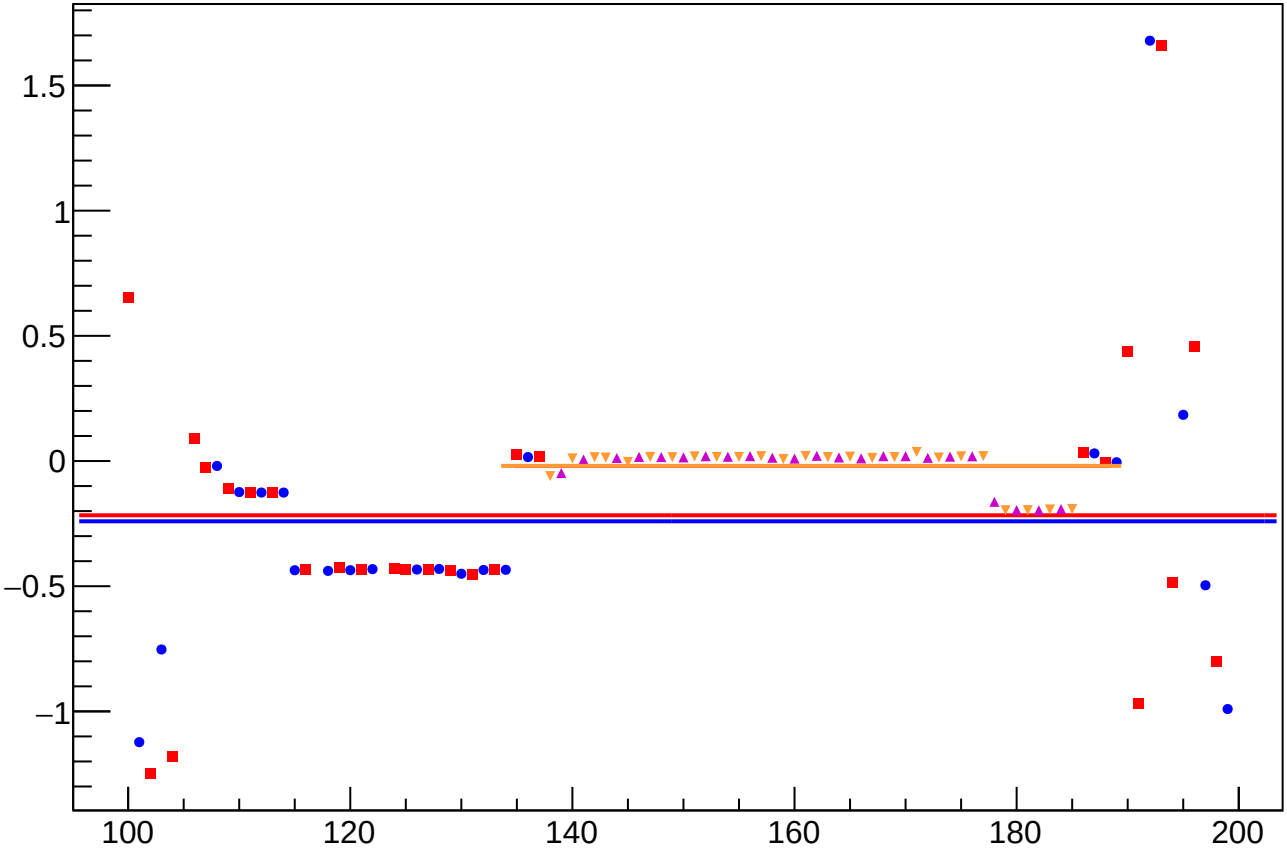
Right: 0.009+/-0.000 χ^2/NDF: 4269781.2/48

In: 0.009+/-0.000 χ^2/NDF:2880459.0/44

Out: 0.009+/-0.000 χ^2/NDF:3535098.7/51

All: 0.009+/-0.000 χ^2/NDF: 6415800.5/96

yield_bpm16X_mean vs Slug, Sign Corrected



Right In: -0.241+/-0.000 χ^2/NDF: 3147236223.6/21

Left Out: -0.019+/-0.000 χ^2/NDF:1058597672.8/24

Right Out: -0.217+/-0.000 χ^2/NDF: 2737113219.2/26

Left In: -0.020+/-0.000 χ^2/NDF:984483299.5/22

Left: -0.020+/-0.000 χ^2/NDF: 2043130063.5/47

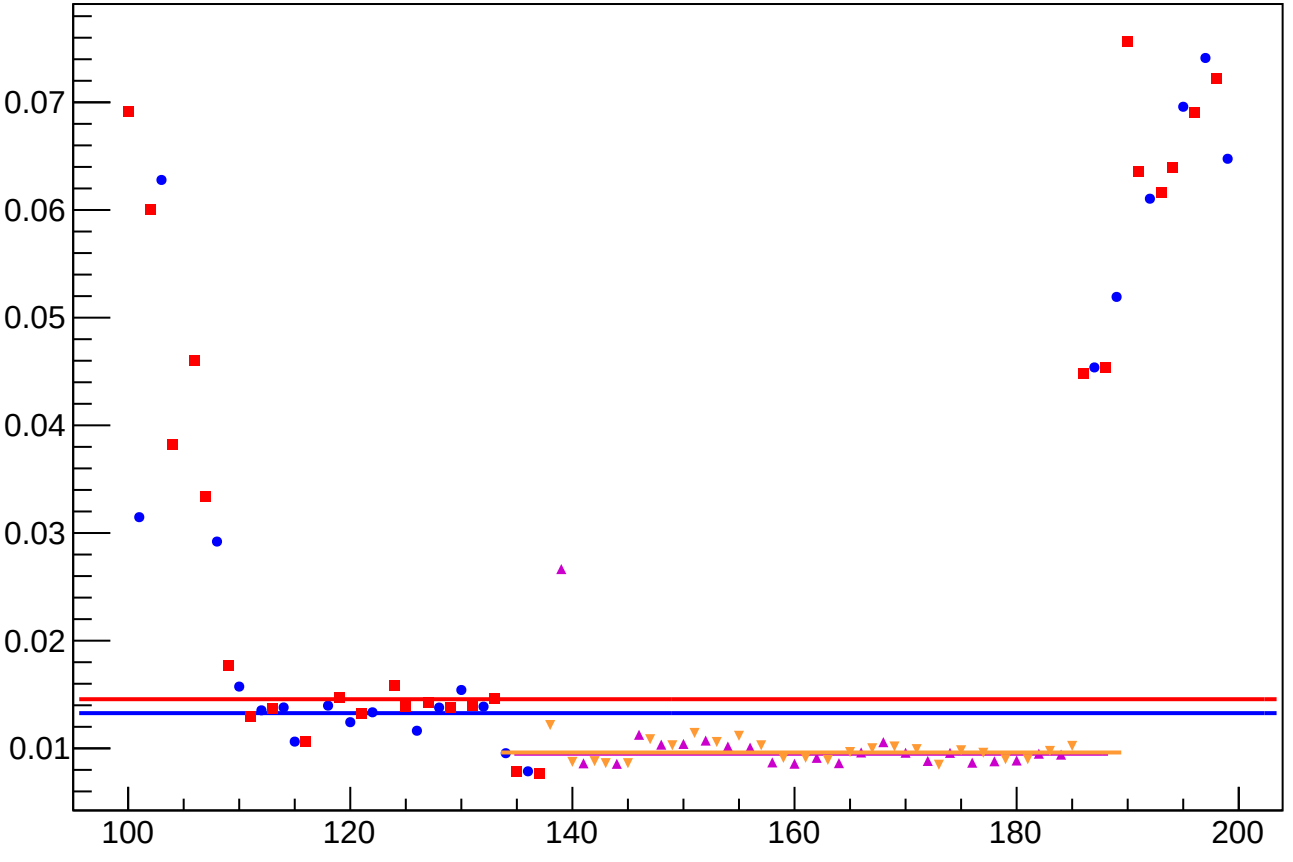
Right: -0.229+/-0.000 χ^2/NDF: 5894410489.3/48

In: -0.059+/-0.000 χ^2/NDF:5594600441.8/44

Out: -0.050+/-0.000 χ^2/NDF:4885958915.6/51

All: -0.055+/-0.000 χ^2/NDF: 10488786610.3/

yield_bpm16X_rms vs Slug, Sign Corrected



Right In: 0.013+/-0.000 χ^2/NDF: 7228168.1/21

Left Out: 0.010+/-0.000 χ^2/NDF:271912.7/24

Right Out: 0.015+/-0.000 χ^2/NDF: 8308400.2/26

Left In: 0.009+/-0.000 χ^2/NDF:900469.0/22

Left: 0.010+/-0.000 χ^2/NDF: 1174797.3/47

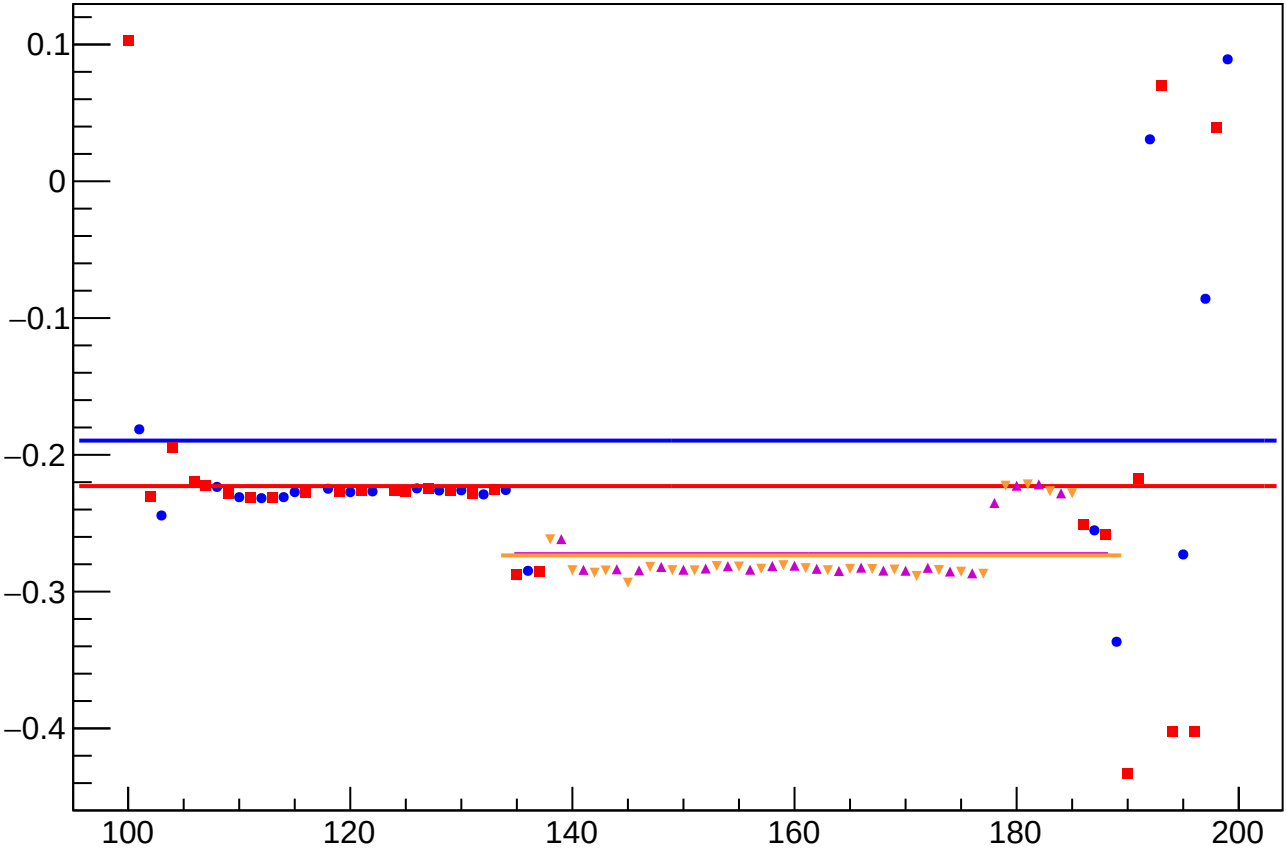
Right: 0.014+/-0.000 χ^2/NDF: 15594855.2/48

In: 0.010+/-0.000 χ^2/NDF:8983896.6/44

Out: 0.010+/-0.000 χ^2/NDF:9951039.2/51

All: 0.010+/-0.000 χ^2/NDF: 18945673.6/96

yield_bpm16Y_mean vs Slug, Sign Corrected



Right In: -0.190+/-0.000 χ^2/NDF: 4662643763.5/21

Left Out: -0.274+/-0.000 χ^2/NDF:395563277.1/24

Right Out: -0.223+/-0.000 χ^2/NDF: 5774470089.5/26

Left In: -0.273+/-0.000 χ^2/NDF:335149425.2/22

Left: -0.273+/-0.000 χ^2/NDF: 730998387.7/47

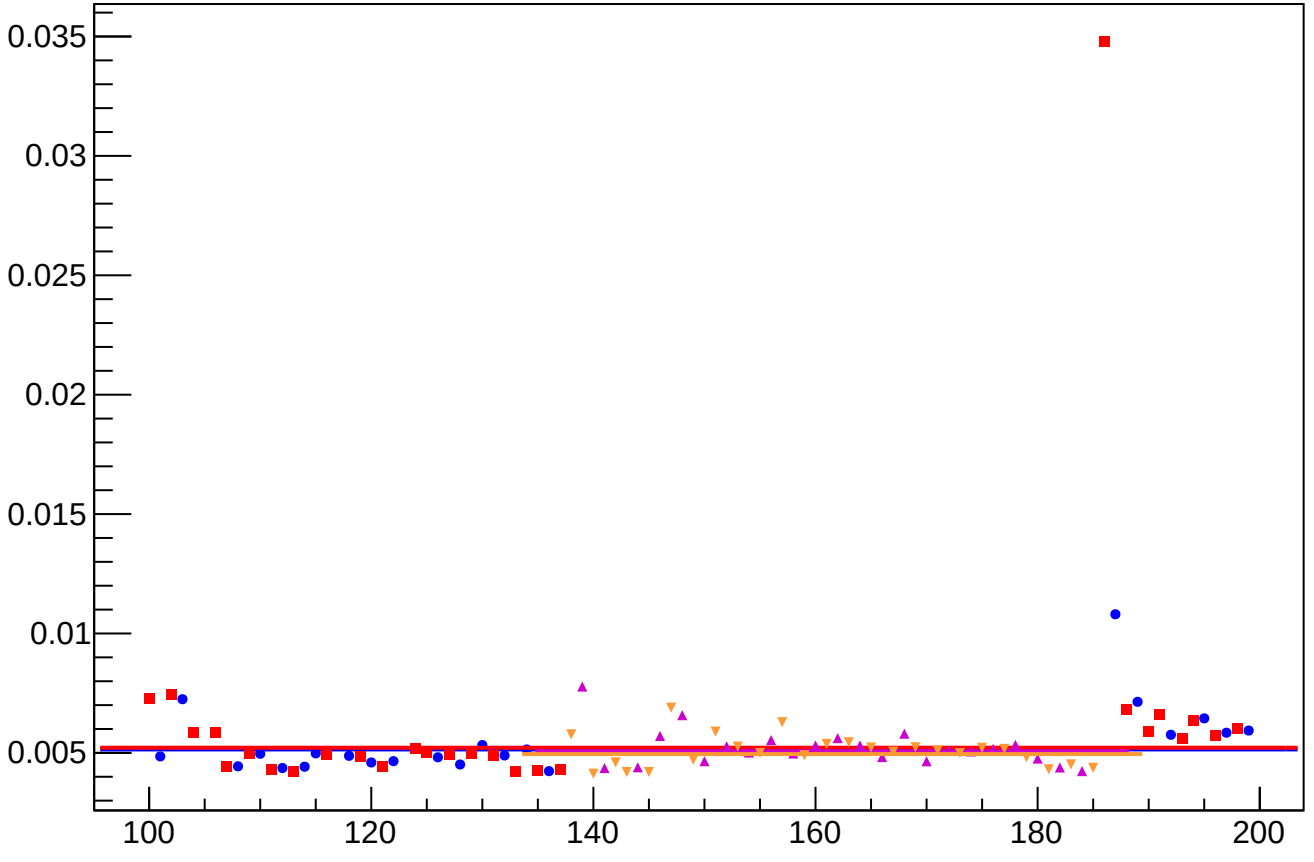
Right: -0.207+/-0.000 χ^2/NDF: 10659570679.4/48

In: -0.242+/-0.000 χ^2/NDF:6696737936.0/44

Out: -0.255+/-0.000 χ^2/NDF:6852445041.3/51

All: -0.249+/-0.000 χ^2/NDF: 13646369786.7/

yield_bpm16Y_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 589061.7/21

Left Out: 0.005+/-0.000 χ^2/NDF:528766.8/24

Right Out: 0.005+/-0.000 χ^2/NDF: 1179741.5/26

Left In: 0.005+/-0.000 χ^2/NDF:539392.8/22

Left: 0.005+/-0.000 χ^2/NDF: 1077679.9/47

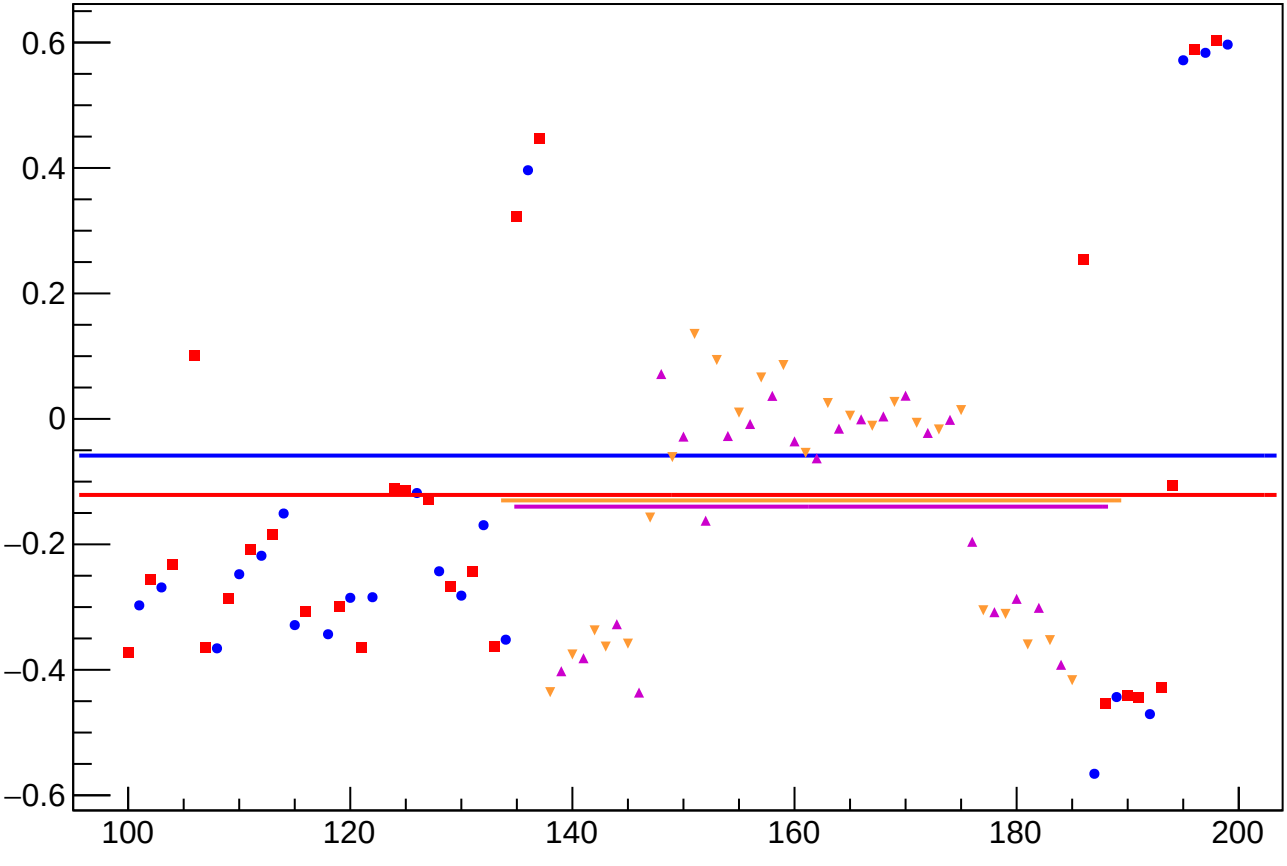
Right: 0.005+/-0.000 χ^2/NDF: 1770879.4/48

In: 0.005+/-0.000 χ^2/NDF:1131408.9/44

Out: 0.005+/-0.000 χ^2/NDF:1746036.1/51

All: 0.005+/-0.000 χ^2/NDF: 2880135.1/96

yield_bpm0i02X_mean vs Slug, Sign Corrected



Right In: -0.058+/-0.000 χ^2/NDF: 39053089401.6/21

Left Out: -0.130+/-0.000 χ^2/NDF:21496239338.5/24

Right Out: -0.121+/-0.000 χ^2/NDF: 31285709941.2/26

Left In: -0.140+/-0.000 χ^2/NDF:15148699439.4/22

Left: -0.135+/-0.000 χ^2/NDF: 36673480193.4/47

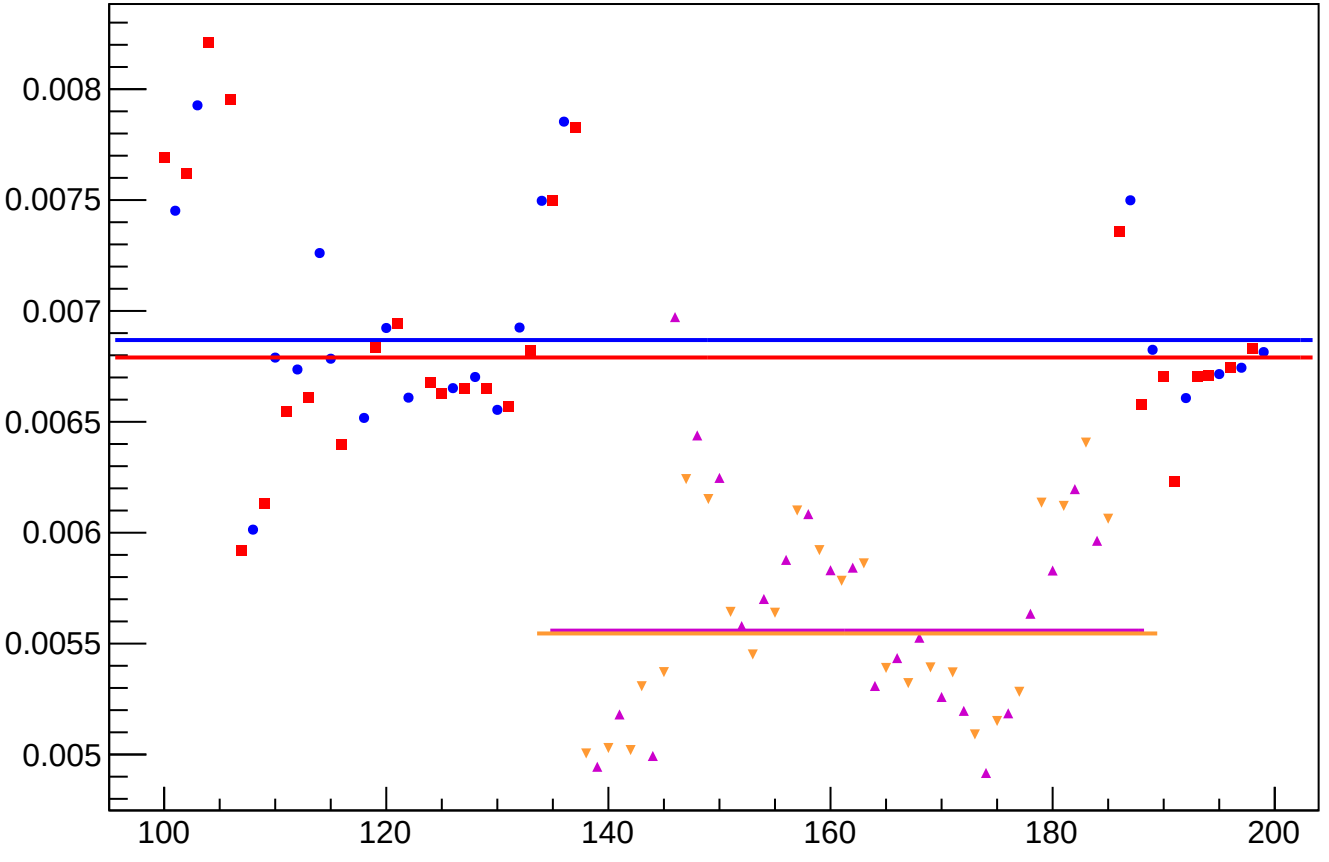
Right: -0.092+/-0.000 χ^2/NDF: 70838997976.4/48

In: -0.115+/-0.000 χ^2/NDF:55312693878.9/44

Out: -0.127+/-0.000 χ^2/NDF:52796086677.3/51

All: -0.122+/-0.000 χ^2/NDF: 108166138210.7

yield_bpm0i02X_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 93930.2/21

Left Out: 0.006+/-0.000 χ^2/NDF:201874.8/24

Right Out: 0.007+/-0.000 χ^2/NDF: 112187.6/26

Left In: 0.006+/-0.000 χ^2/NDF:260994.3/22

Left: 0.006+/-0.000 χ^2/NDF: 462963.1/47

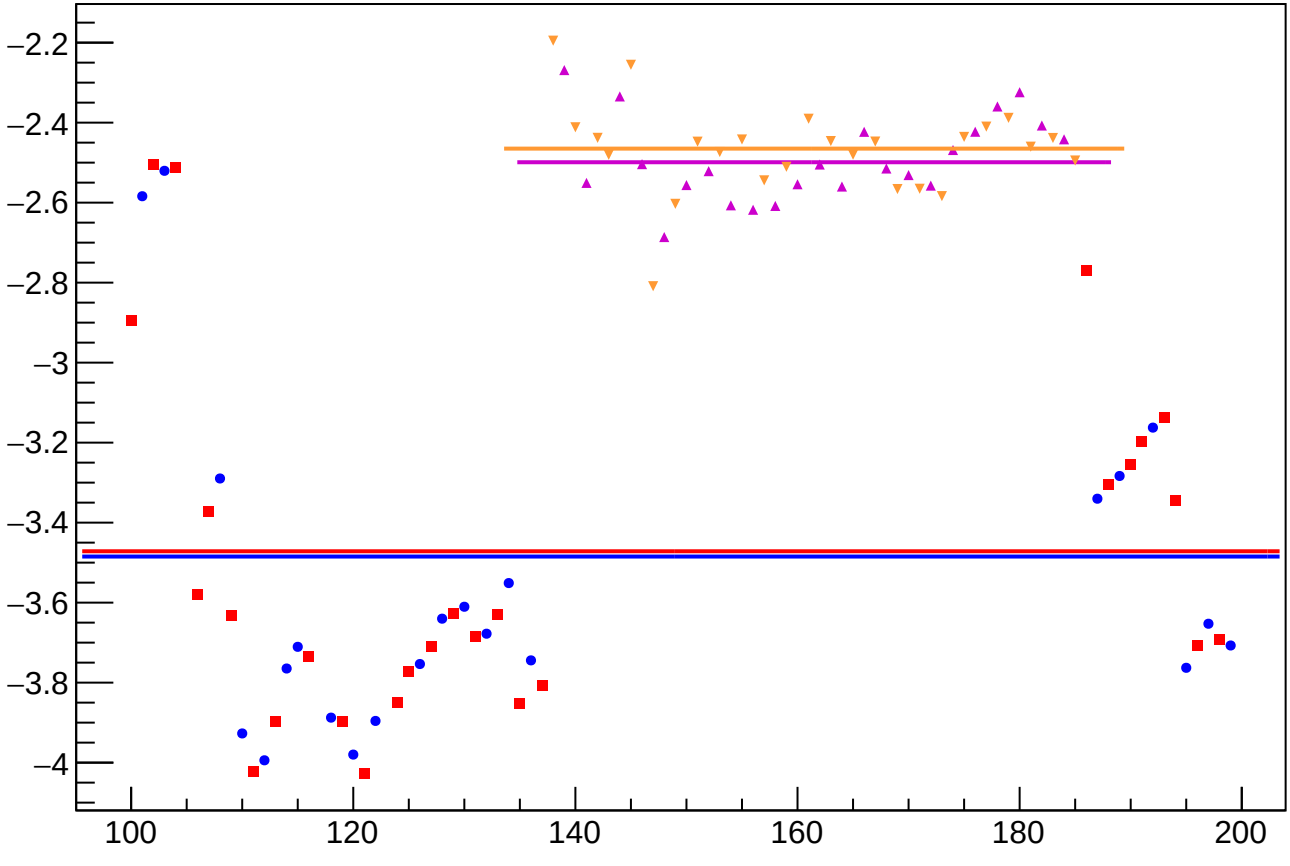
Right: 0.007+/-0.000 χ^2/NDF: 207688.2/48

In: 0.006+/-0.000 χ^2/NDF:930619.8/44

Out: 0.006+/-0.000 χ^2/NDF:890793.4/51

All: 0.006+/-0.000 χ^2/NDF: 1821661.2/96

yield_bpm0i02Y_mean vs Slug, Sign Corrected



Right In: -3.485+/-0.000 χ^2/NDF: 31499270224.7/21

Left Out: -2.465+/-0.000 χ^2/NDF:2167098053.0/24

Right Out: -3.472+/-0.000 χ^2/NDF: 33232938434.6/26

Left In: -2.499+/-0.000 χ^2/NDF:2273256162.3/22

Left: -2.482+/-0.000 χ^2/NDF: 4579764851.4/47

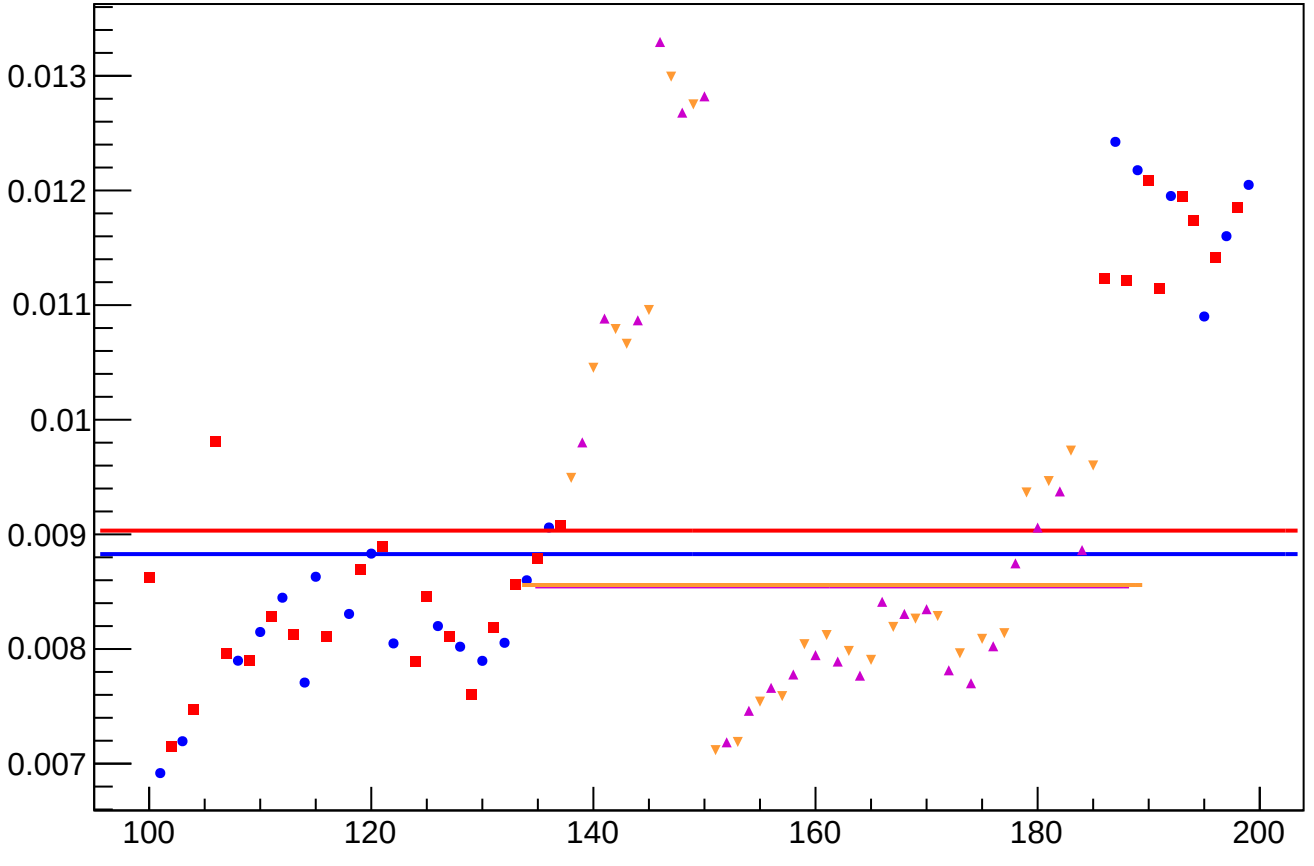
Right: -3.478+/-0.000 χ^2/NDF: 64744628821.8/48

In: -2.867+/-0.000 χ^2/NDF:118691561129.0/44

Out: -2.841+/-0.000 χ^2/NDF:128757829992.1/51

All: -2.854+/-0.000 χ^2/NDF: 247584187326.4

yield_bpm0i02Y_rms vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 750829.8/21

Left Out: 0.009+/-0.000 χ^2/NDF:824029.0/24

Right Out: 0.009+/-0.000 χ^2/NDF: 766260.7/26

Left In: 0.009+/-0.000 χ^2/NDF:910760.2/22

Left: 0.009+/-0.000 χ^2/NDF: 1734826.3/47

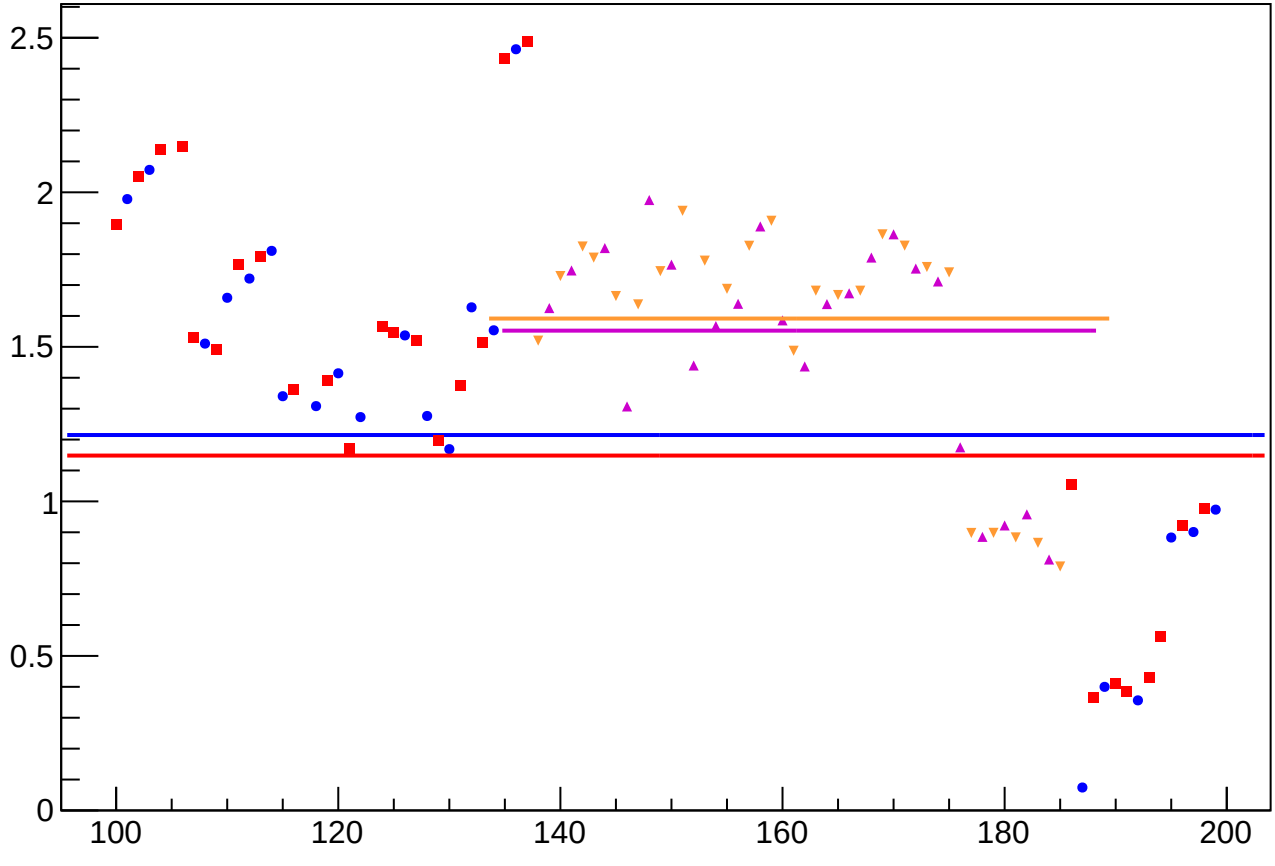
Right: 0.009+/-0.000 χ^2/NDF: 1523102.4/48

In: 0.009+/-0.000 χ^2/NDF:1675492.4/44

Out: 0.009+/-0.000 χ^2/NDF:1631782.4/51

All: 0.009+/-0.000 χ^2/NDF: 3309993.5/96

yield_bpm0i02aX_mean vs Slug, Sign Corrected



Right In: 1.215+/-0.000 χ^2/NDF: 28412374999.4/21

Left Out: 1.592+/-0.000 χ^2/NDF:17078853061.6/24

Right Out: 1.148+/-0.000 χ^2/NDF: 33927188242.6/26

Left In: 1.552+/-0.000 χ^2/NDF:14055987405.9/22

Left: 1.573+/-0.000 χ^2/NDF: 31243382500.9/47

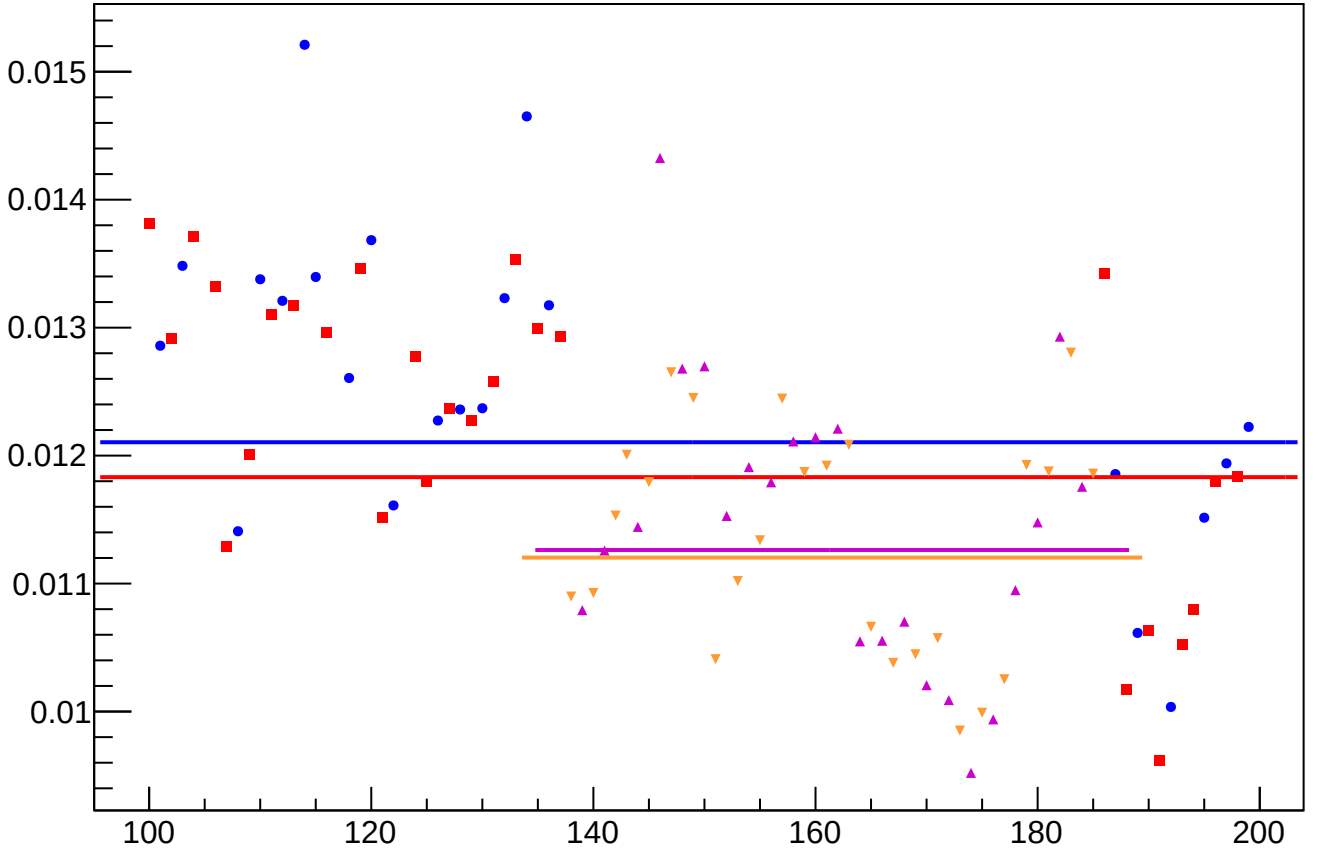
Right: 1.179+/-0.000 χ^2/NDF: 62520503816.5/48

In: 1.431+/-0.000 χ^2/NDF:48055804523.7/44

Out: 1.425+/-0.000 χ^2/NDF:61842238633.0/51

All: 1.428+/-0.000 χ^2/NDF: 109901996244.2

yield_bpm0i02aX_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 205186.2/21

Left Out: 0.011+/-0.000 χ^2/NDF:223594.3/24

Right Out: 0.012+/-0.000 χ^2/NDF: 245011.6/26

Left In: 0.011+/-0.000 χ^2/NDF:311660.7/22

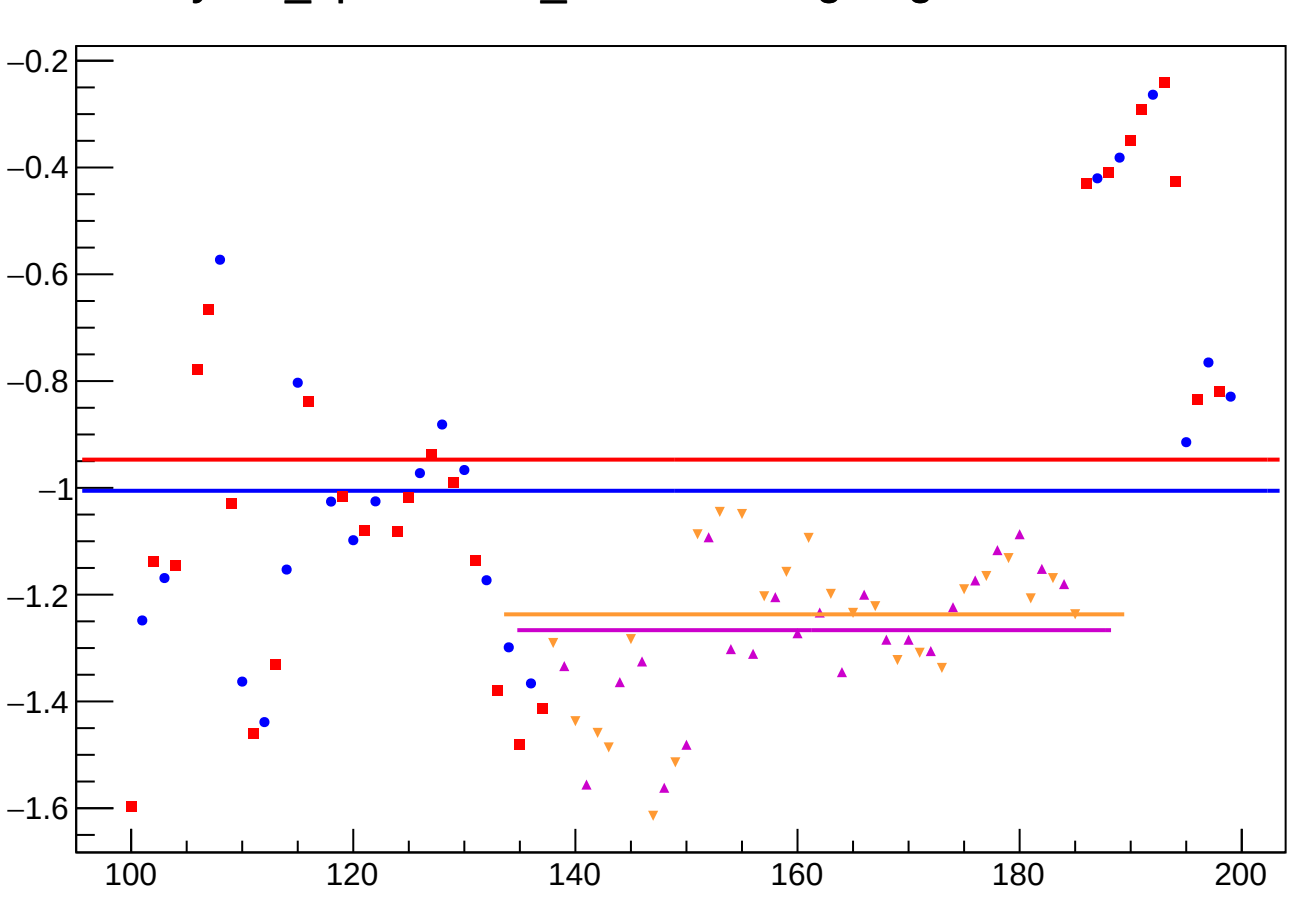
Left: 0.011+/-0.000 χ^2/NDF: 535750.7/47

Right: 0.012+/-0.000 χ^2/NDF: 456290.6/48

In: 0.012+/-0.000 χ^2/NDF:586353.7/44

Out: 0.011+/-0.000 χ^2/NDF:512172.2/51

All: 0.011+/-0.000 χ^2/NDF: 1102049.8/96



Right In: -1.005+/-0.000 χ^2/NDF: 11489929183.1/21

Left Out: -1.237+/-0.000 χ^2/NDF:4972272024.7/24

Right Out: -0.947+/-0.000 χ^2/NDF: 16511177678.9/26

Left In: -1.267+/-0.000 χ^2/NDF:3674801511.3/22

Left: -1.251+/-0.000 χ^2/NDF: 8764581472.4/47

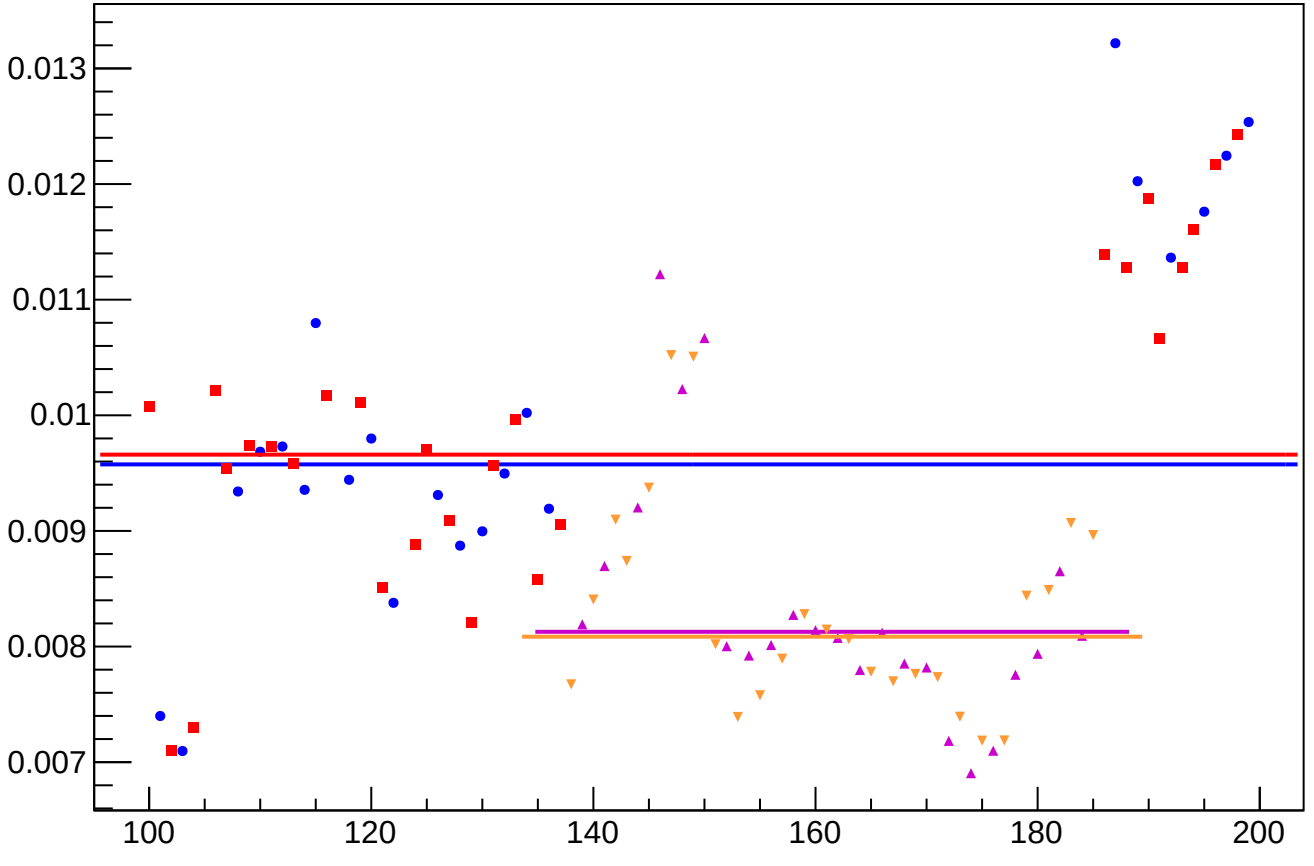
Right: -0.975+/-0.000 χ^2/NDF: 28209755386.0/48

In: -1.185+/-0.000 χ^2/NDF:20684084986.2/44

Out: -1.145+/-0.000 χ^2/NDF:28816734741.7/51

All: -1.164+/-0.000 χ^2/NDF: 49806941852.1/

yield_bpm0i02aY_rms vs Slug, Sign Corrected



Right In: 0.010+/-0.000 χ^2/NDF: 635091.3/21

Left Out: 0.008+/-0.000 χ^2/NDF:326825.0/24

Right Out: 0.010+/-0.000 χ^2/NDF: 649203.9/26

Left In: 0.008+/-0.000 χ^2/NDF:409030.0/22

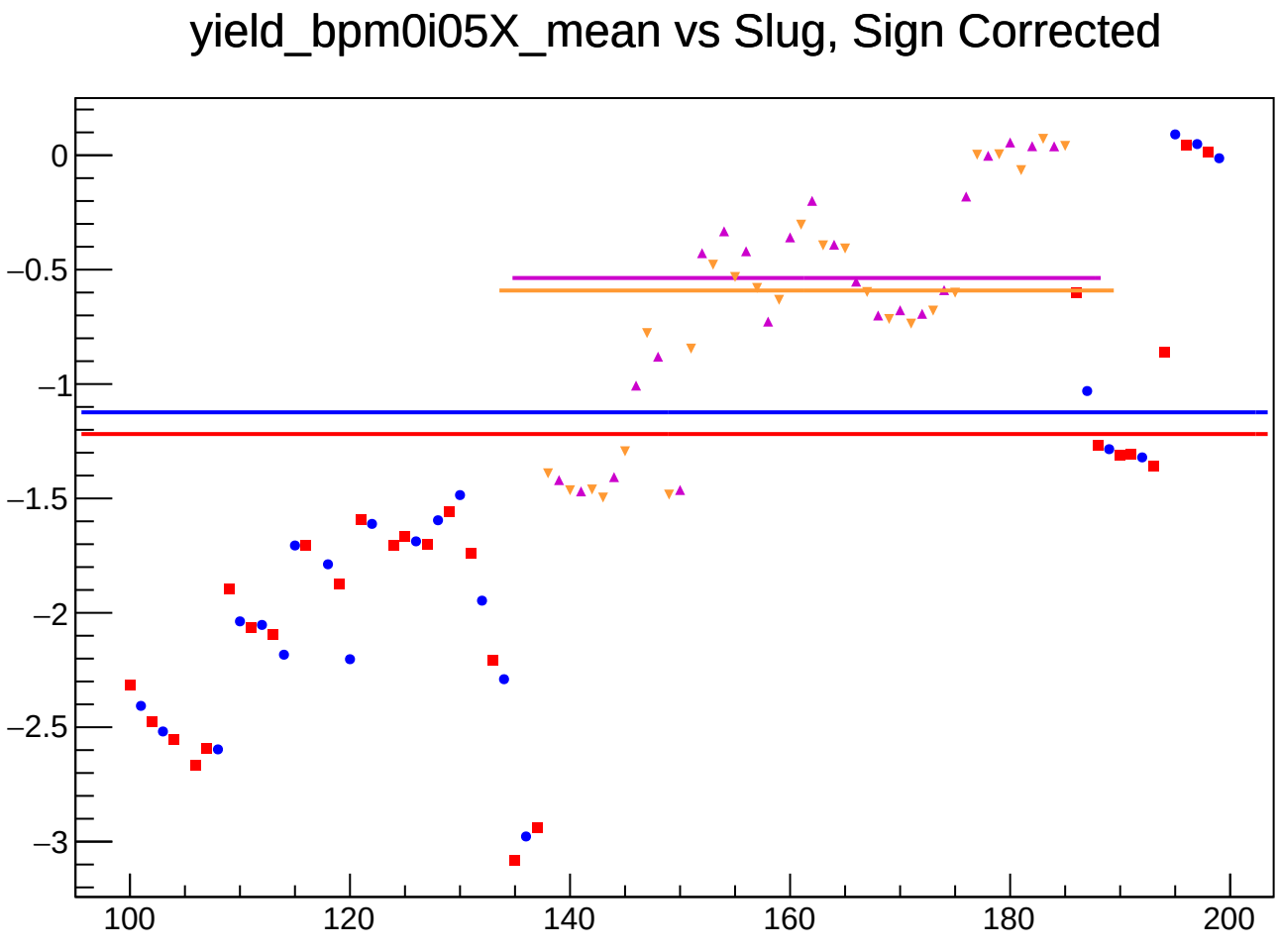
Left: 0.008+/-0.000 χ^2/NDF: 736335.1/47

Right: 0.010+/-0.000 χ^2/NDF: 1285165.4/48

In: 0.009+/-0.000 χ^2/NDF:1383720.1/44

Out: 0.009+/-0.000 χ^2/NDF:1409076.5/51

All: 0.009+/-0.000 χ^2/NDF: 2792799.4/96



Right In: -1.124+/-0.000 χ^2/NDF: 265039399401.2/21

Left Out: -0.591+/-0.000 χ^2/NDF:72678844667.5/24

Right Out: -1.219+/-0.000 χ^2/NDF: 246005529422.4/26

Left In: -0.536+/-0.000 χ^2/NDF:70168781562.6/22

Left: -0.564+/-0.000 χ^2/NDF: 143410113051.4/47

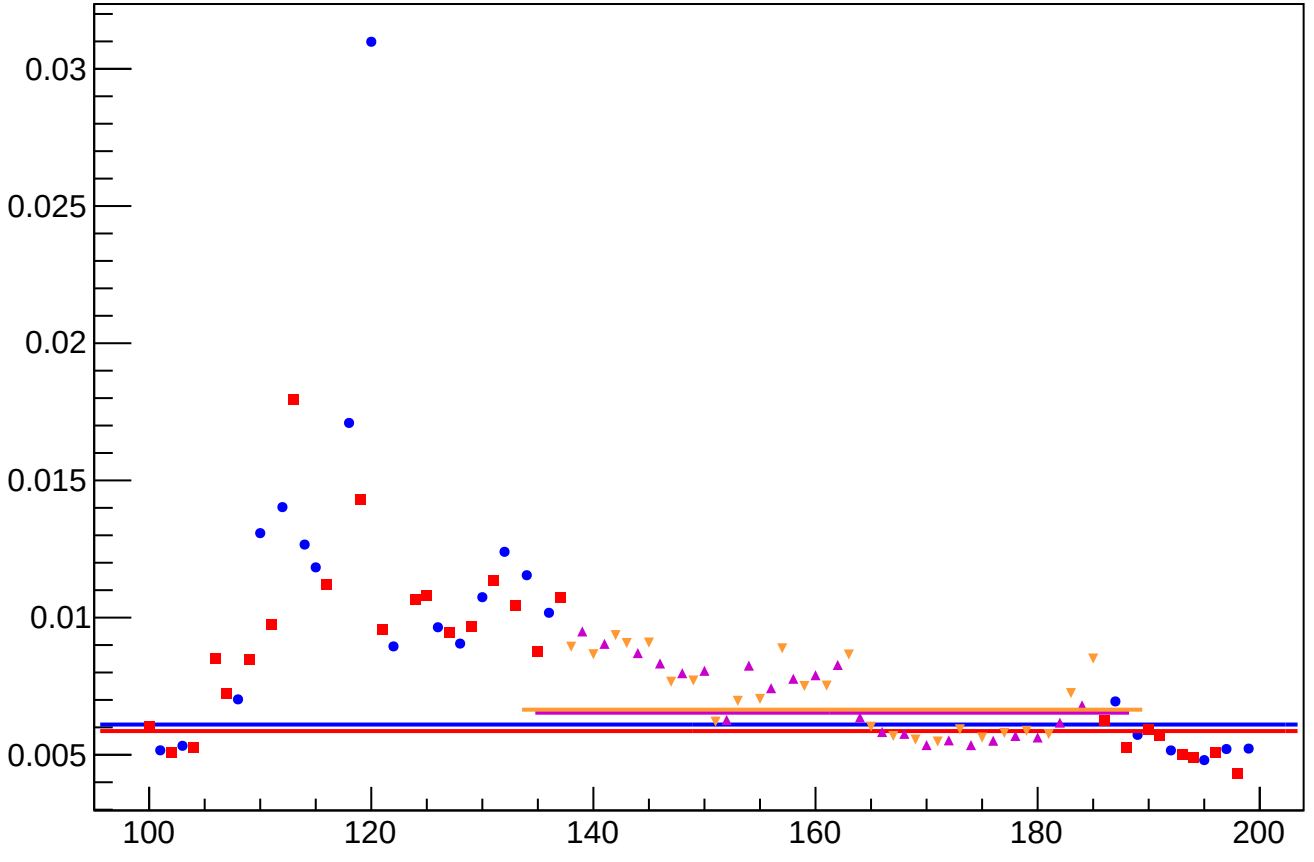
Right: -1.176+/-0.000 χ^2/NDF: 512218386499.9/48

In: -0.764+/-0.000 χ^2/NDF:384764140677.9/44

Out: -0.864+/-0.000 χ^2/NDF:383499104773.9/51

All: -0.816+/-0.000 χ^2/NDF: 771434478495.3

yield_bpm0i05X_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 2400687.3/21

Left Out: 0.007+/-0.000 χ^2/NDF:1091920.0/24

Right Out: 0.006+/-0.000 χ^2/NDF: 2292327.7/26

Left In: 0.007+/-0.000 χ^2/NDF:1151126.7/22

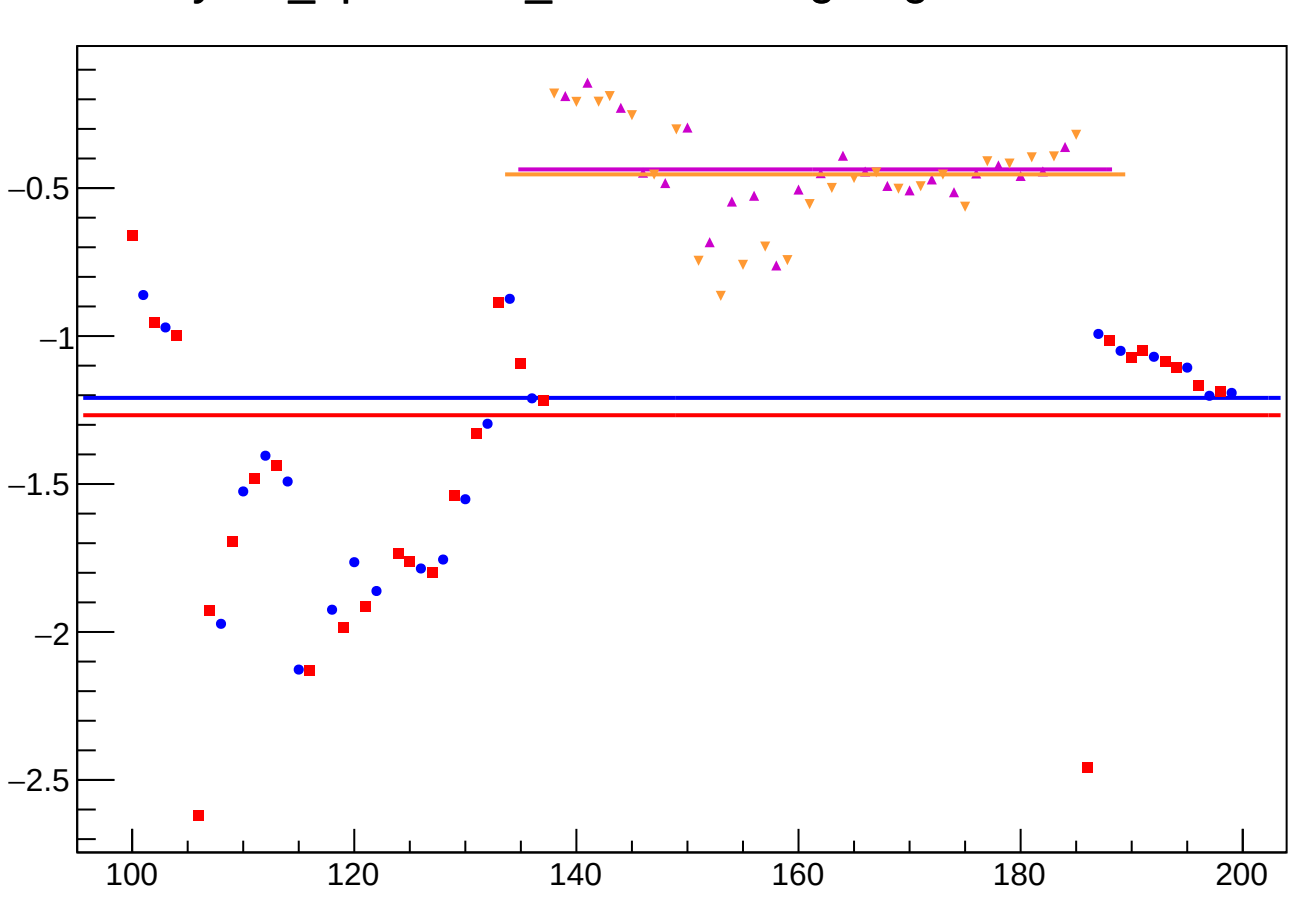
Left: 0.007+/-0.000 χ^2/NDF: 2247615.4/47

Right: 0.006+/-0.000 χ^2/NDF: 4707679.1/48

In: 0.006+/-0.000 χ^2/NDF:3605496.1/44

Out: 0.006+/-0.000 χ^2/NDF:3584619.5/51

All: 0.006+/-0.000 χ^2/NDF: 7192487.1/96



Right In: -1.209+/-0.000 χ^2/NDF: 27046465717.0/21

Left Out: -0.454+/-0.000 χ^2/NDF:29096412438.0/24

Right Out: -1.268+/-0.000 χ^2/NDF: 71293036296.8/26

Left In: -0.437+/-0.000 χ^2/NDF:16544160360.6/22

Left: -0.446+/-0.000 χ^2/NDF: 45759847773.7/47

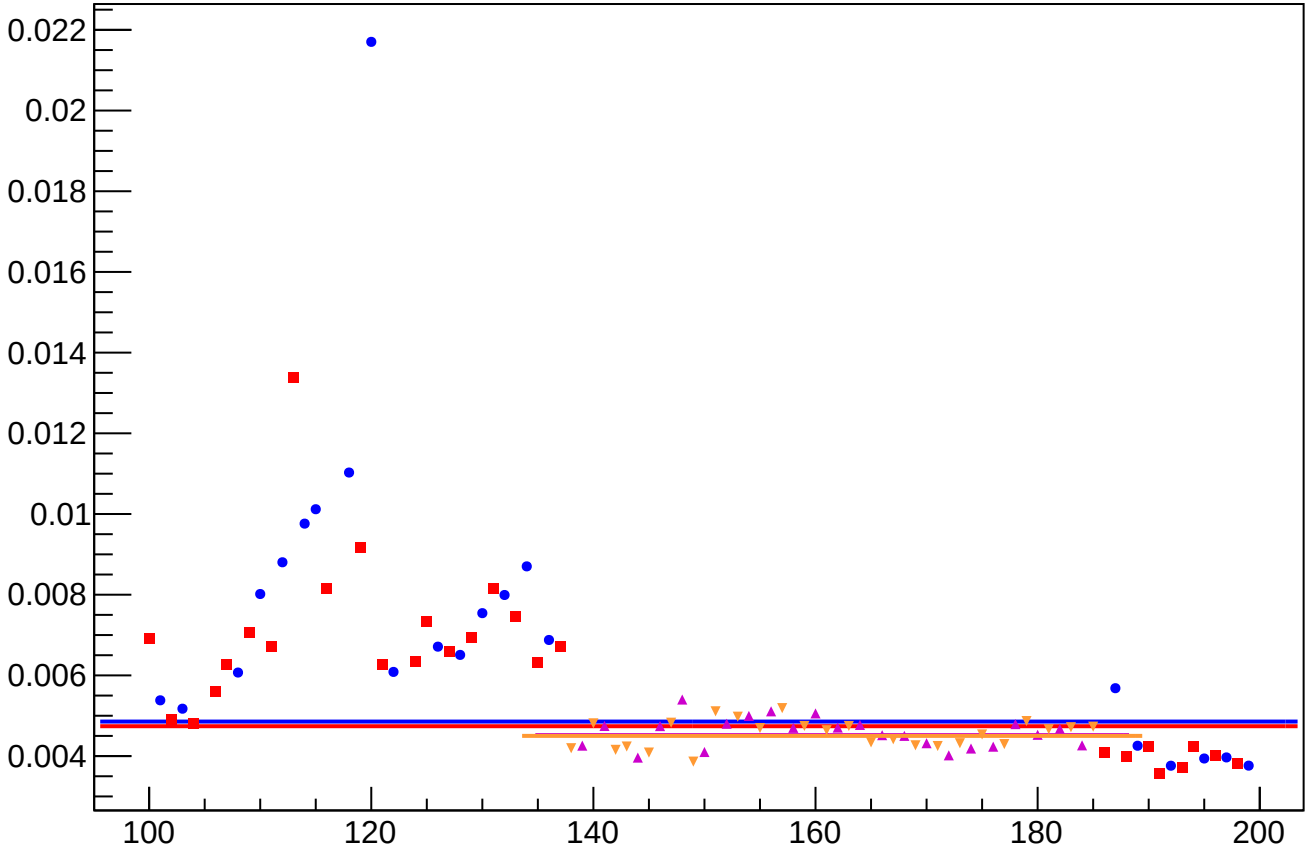
Right: -1.241+/-0.000 χ^2/NDF: 99055264677.9/48

In: -0.683+/-0.000 χ^2/NDF:198516393398.7/44

Out: -0.735+/-0.000 χ^2/NDF:299560181385.1/51

All: -0.710+/-0.000 χ^2/NDF: 499773192291.7

yield_bpm0i05Y_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 1993028.2/21

Left Out: 0.005+/-0.000 χ^2/NDF:189230.5/24

Right Out: 0.005+/-0.000 χ^2/NDF: 1721953.9/26

Left In: 0.005+/-0.000 χ^2/NDF:212056.7/22

Left: 0.005+/-0.000 χ^2/NDF: 401608.0/47

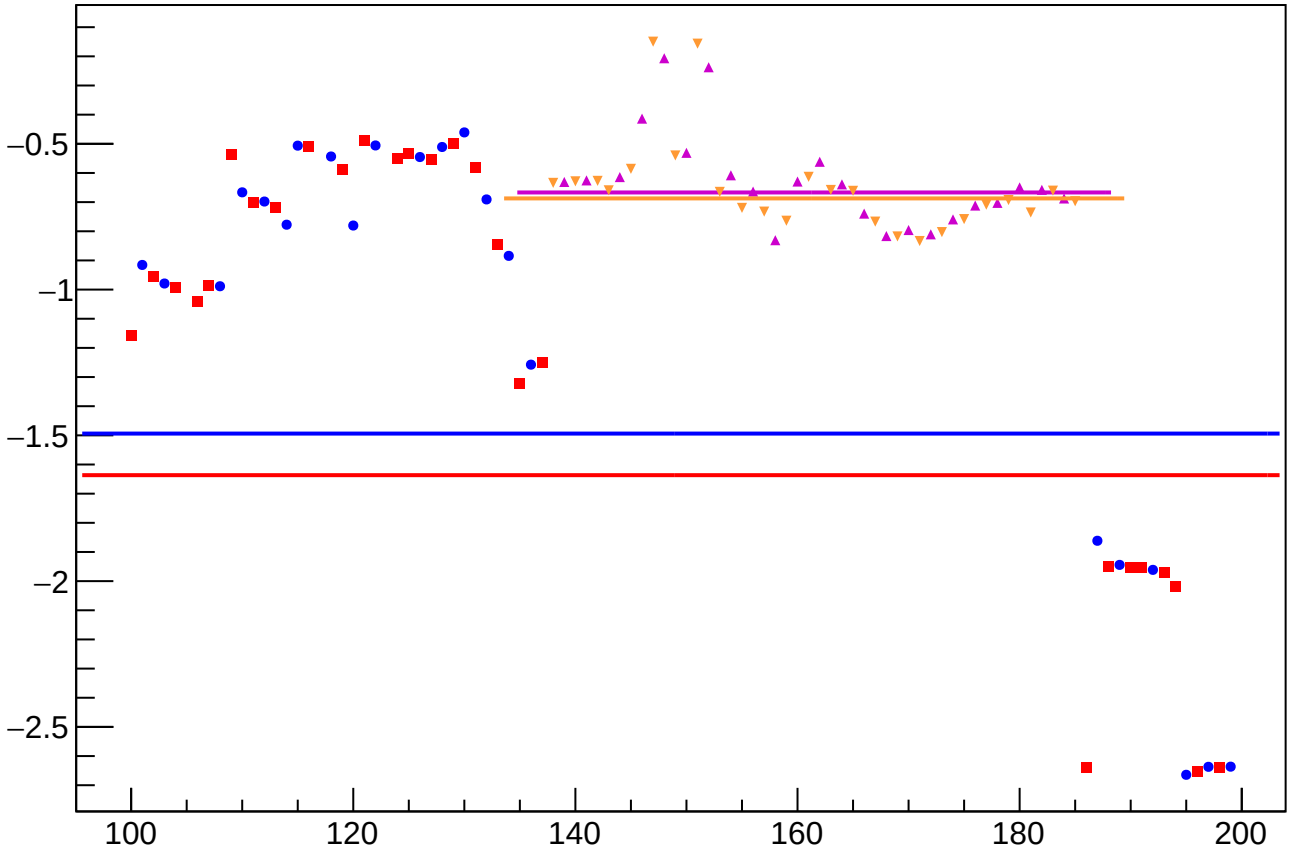
Right: 0.005+/-0.000 χ^2/NDF: 3720531.1/48

In: 0.005+/-0.000 χ^2/NDF:2263489.8/44

Out: 0.005+/-0.000 χ^2/NDF:1945639.5/51

All: 0.005+/-0.000 χ^2/NDF: 4211532.9/96

yield_bpm0i07X_mean vs Slug, Sign Corrected



Right In: -1.494+/-0.000 χ^2/NDF: 183981824247.6/21

Left Out: -0.687+/-0.000 χ^2/NDF:22462821855.7/24

Right Out: -1.637+/-0.000 χ^2/NDF: 248655170852.0/26

Left In: -0.667+/-0.000 χ^2/NDF:22531477329.1/22

Left: -0.677+/-0.000 χ^2/NDF: 45194028028.5/47

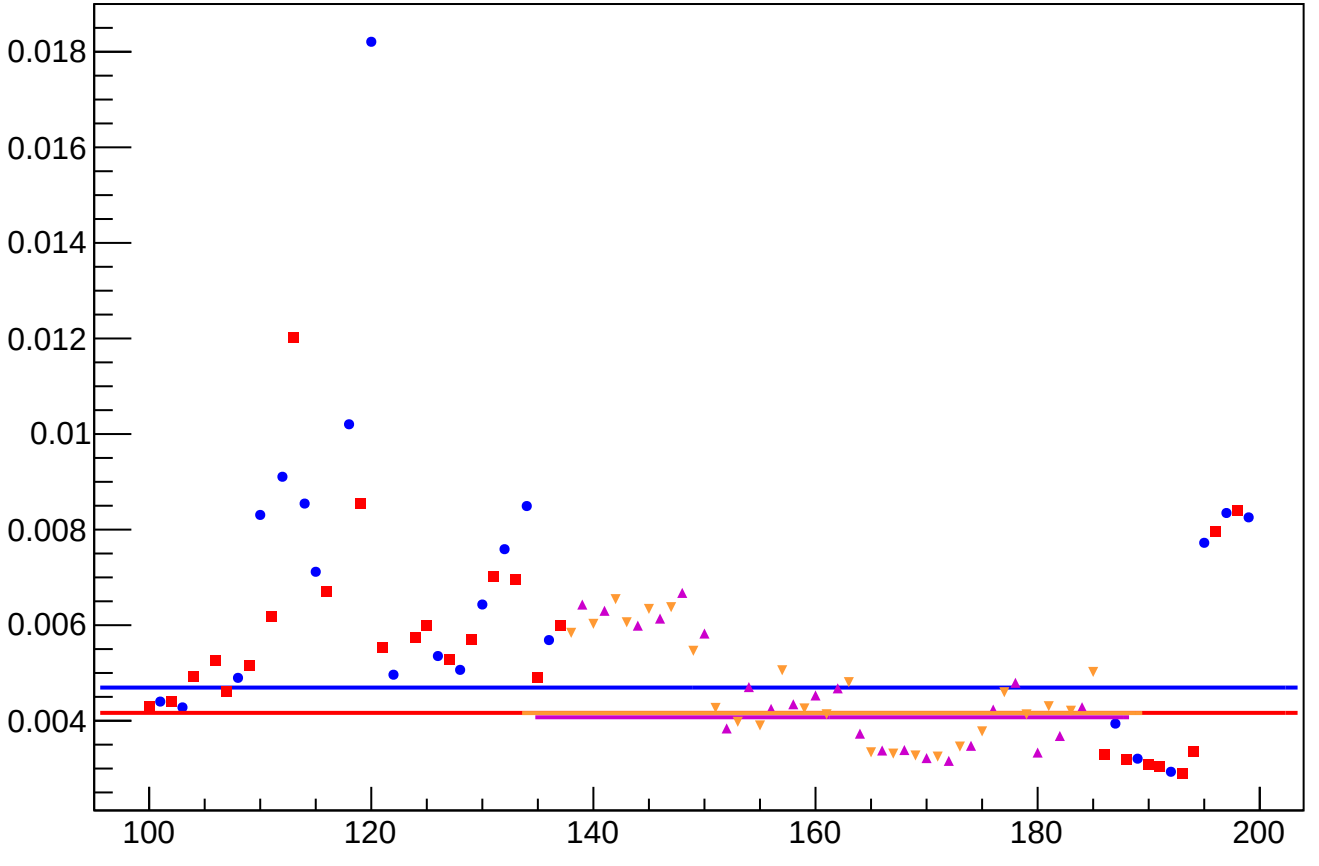
Right: -1.579+/-0.000 χ^2/NDF: 437412601822.5/48

In: -0.910+/-0.000 χ^2/NDF:397685892057.0/44

Out: -1.042+/-0.000 χ^2/NDF:596447760973.4/51

All: -0.981+/-0.000 χ^2/NDF: 1006806051993

yield_bpm0i07X_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 3019233.9/21

Left Out: 0.004+/-0.000 χ^2/NDF:1520055.0/24

Right Out: 0.004+/-0.000 χ^2/NDF: 2746602.4/26

Left In: 0.004+/-0.000 χ^2/NDF:1750303.9/22

Left: 0.004+/-0.000 χ^2/NDF: 3277736.9/47

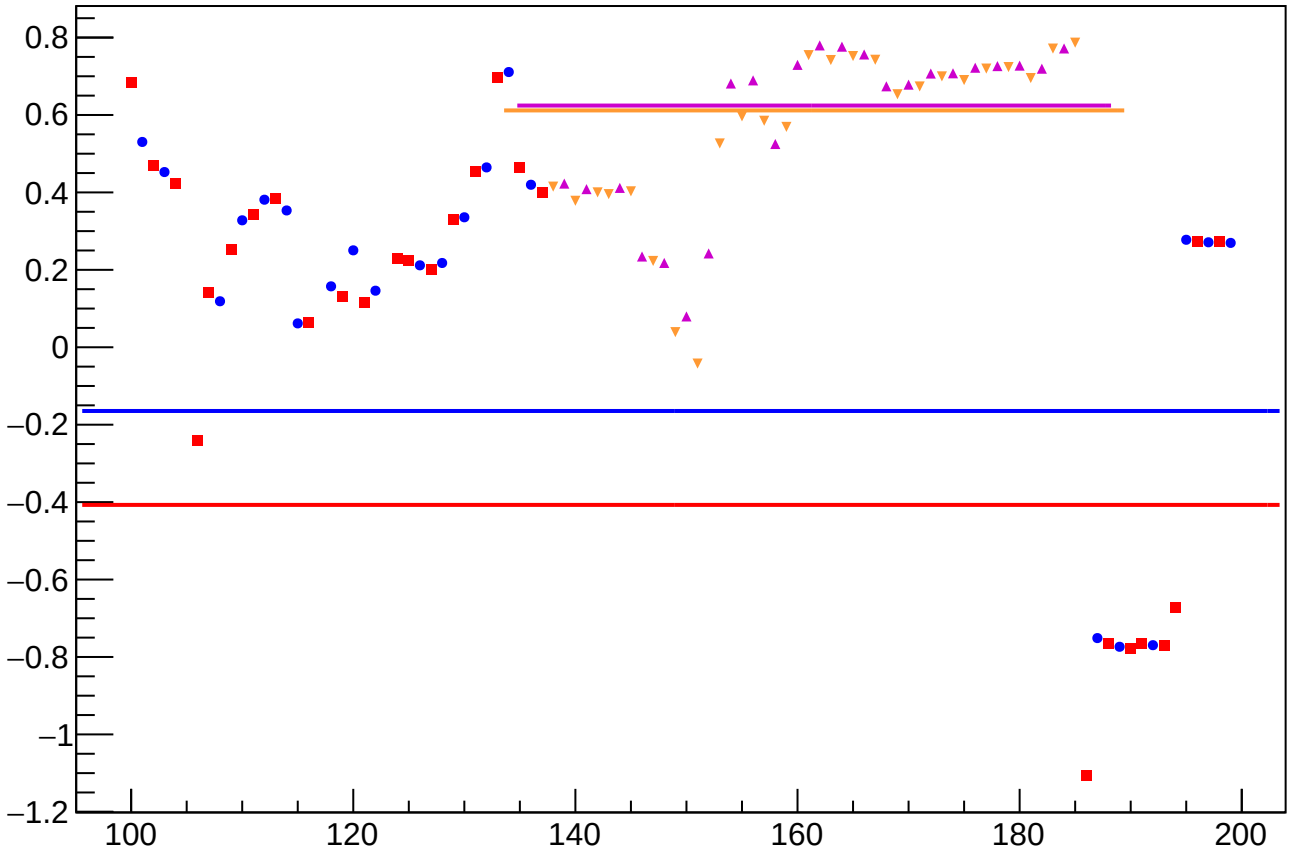
Right: 0.004+/-0.000 χ^2/NDF: 5897464.7/48

In: 0.004+/-0.000 χ^2/NDF:4985737.4/44

Out: 0.004+/-0.000 χ^2/NDF:4266672.7/51

All: 0.004+/-0.000 χ^2/NDF: 9264884.8/96

yield_bpm0i07Y_mean vs Slug, Sign Corrected



Right In: -0.165+/-0.000 χ^2/NDF: 282939591337.1/21

Left Out: 0.612+/-0.000 χ^2/NDF:45742599949.2/24

Right Out: -0.407+/-0.000 χ^2/NDF: 416605488447.4/26

Left In: 0.624+/-0.000 χ^2/NDF:40353141115.4/22

Left: 0.618+/-0.000 χ^2/NDF: 86197864169.1/47

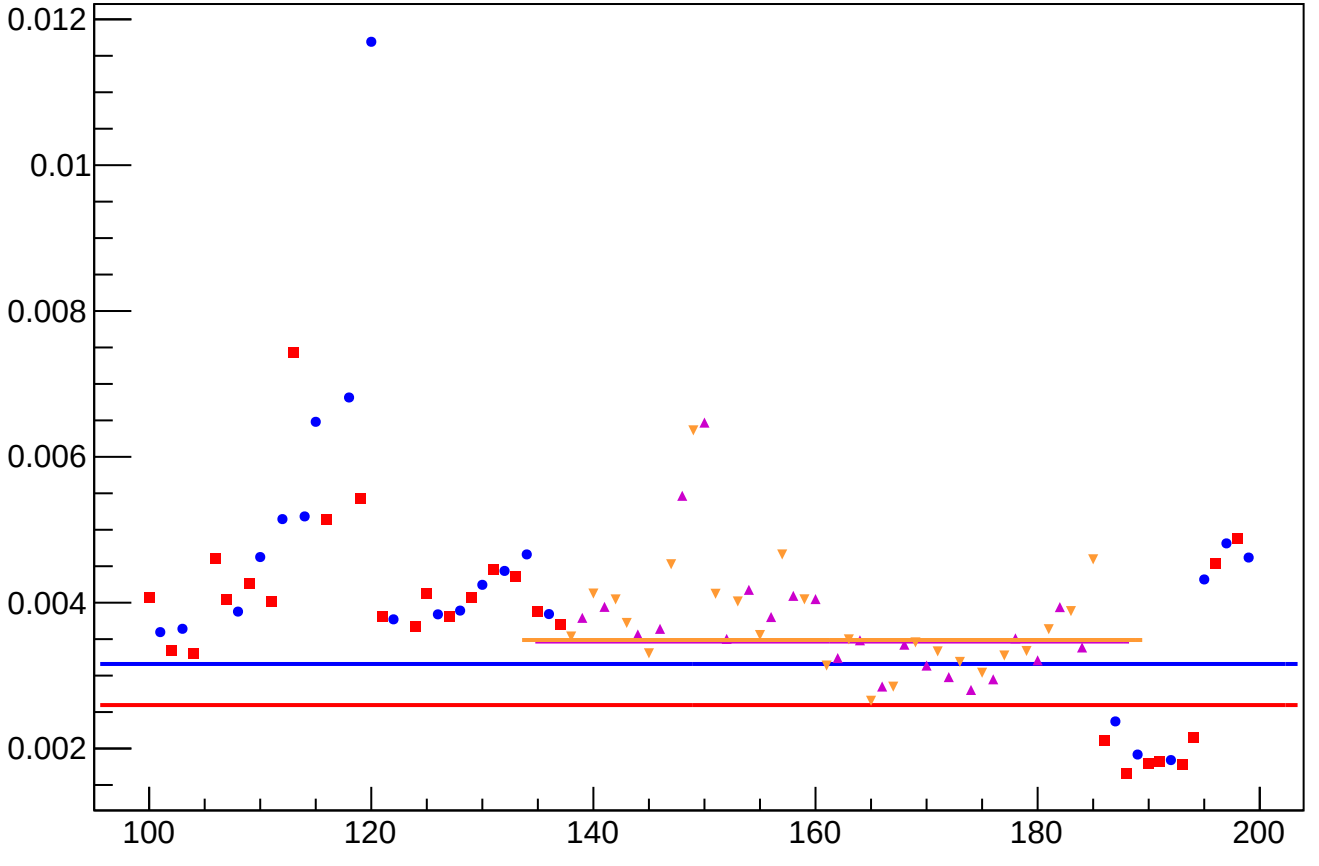
Right: -0.314+/-0.000 χ^2/NDF: 731967716463.9/48

In: 0.297+/-0.000 χ^2/NDF:650120315159.3/44

Out: 0.082+/-0.000 χ^2/NDF:1174264350250.6/51

All: 0.177+/-0.000 χ^2/NDF: 1880516053933.

yield_bpm0i07Y_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 2936133.9/21

Left Out: 0.003+/-0.000 χ^2/NDF:850746.8/24

Right Out: 0.003+/-0.000 χ^2/NDF: 3662057.4/26

Left In: 0.003+/-0.000 χ^2/NDF:894124.0/22

Left: 0.003+/-0.000 χ^2/NDF: 1745449.7/47

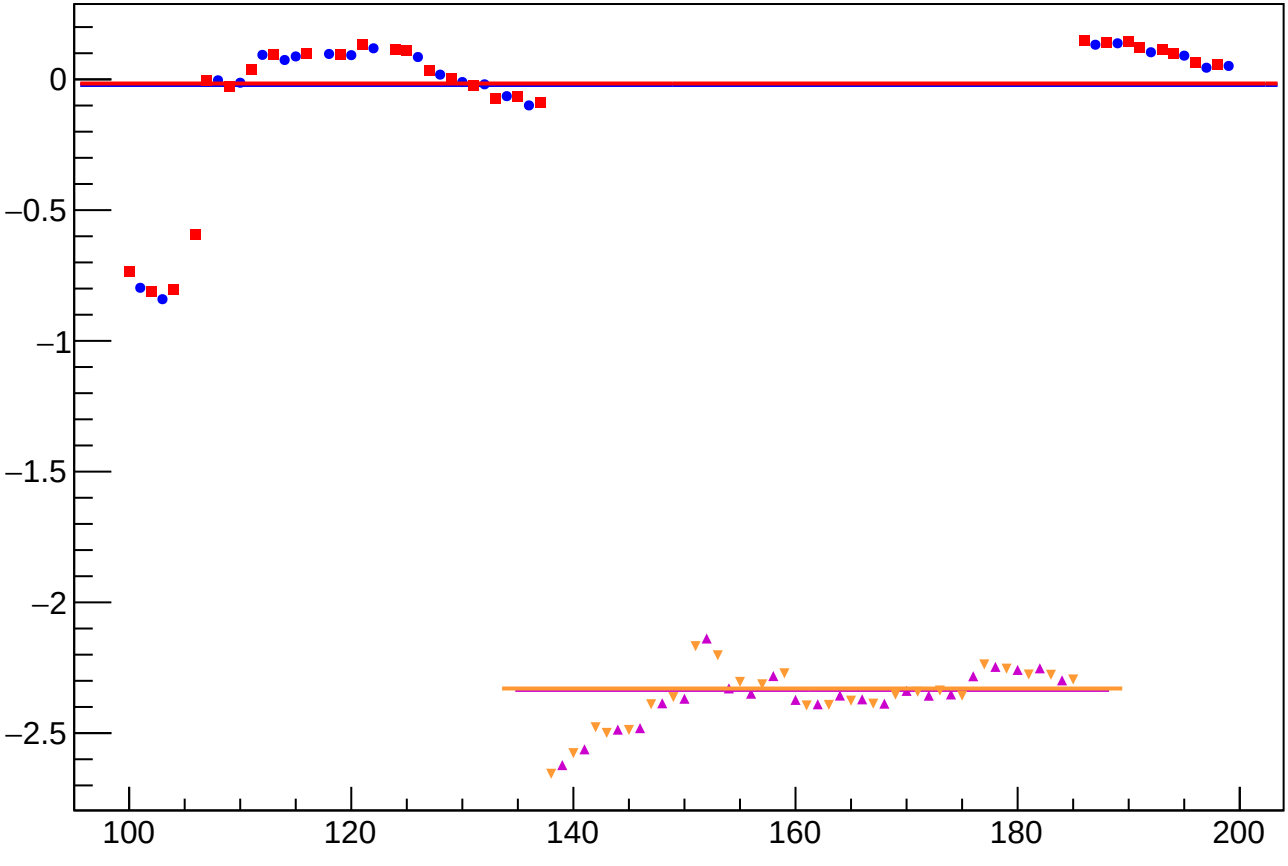
Right: 0.003+/-0.000 χ^2/NDF: 6948046.3/48

In: 0.003+/-0.000 χ^2/NDF:3929528.0/44

Out: 0.003+/-0.000 χ^2/NDF:5604217.4/51

All: 0.003+/-0.000 χ^2/NDF: 9774291.6/96

yield_bpm1i02X_mean vs Slug, Sign Corrected



Right In: -0.021+/-0.000 χ^2/NDF: 6322507723.8/21

Left Out: -2.329+/-0.000 χ^2/NDF:1982733526.8/24

Right Out: -0.016+/-0.000 χ^2/NDF: 7629812763.4/26

Left In: -2.335+/-0.000 χ^2/NDF:1676703216.8/22

Left: -2.332+/-0.000 χ^2/NDF: 3662448442.3/47

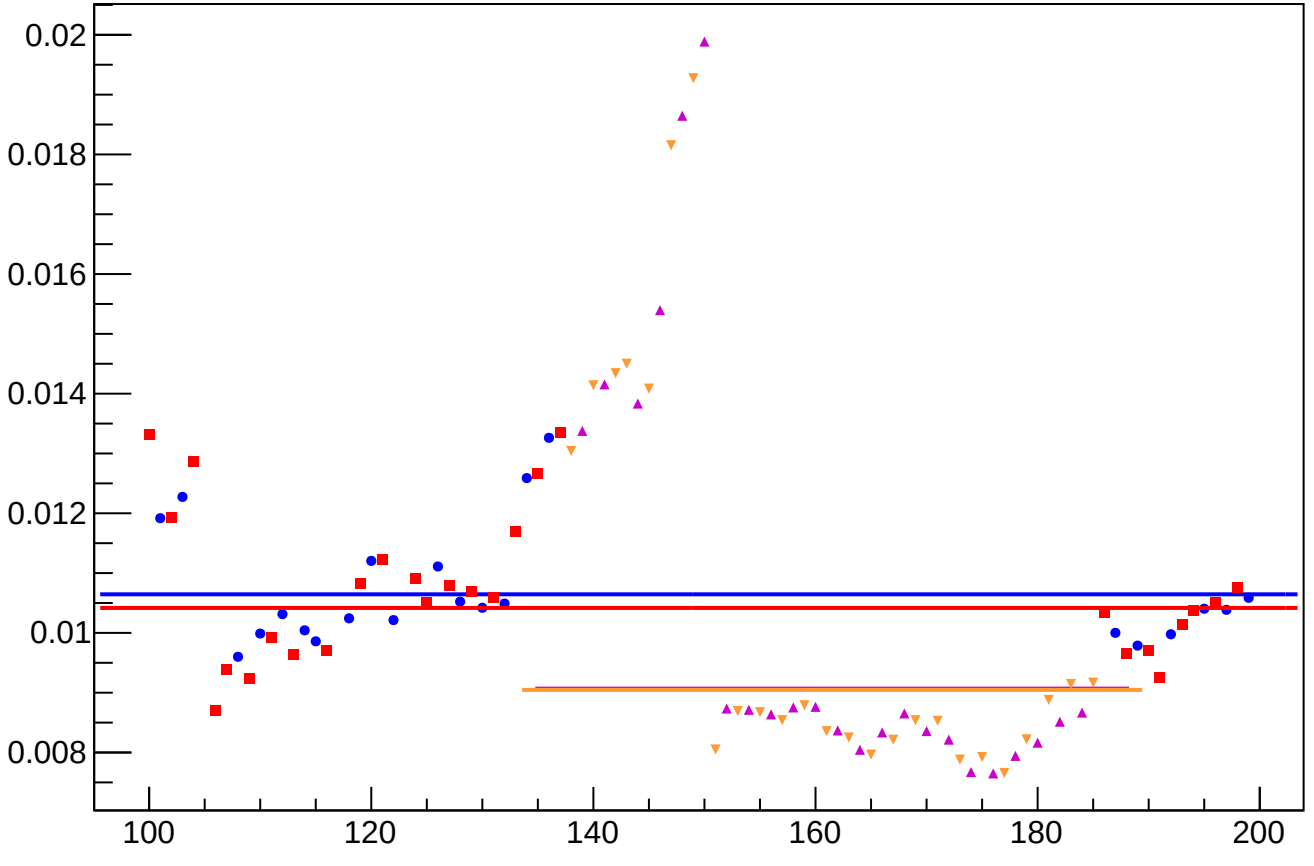
Right: -0.018+/-0.000 χ^2/NDF: 13953998914.2/48

In: -1.583+/-0.000 χ^2/NDF:370837506346.0/44

Out: -1.533+/-0.000 χ^2/NDF:419008316342.3/51

All: -1.557+/-0.000 χ^2/NDF: 790249778573.4

yield_bpm1i02X_rms vs Slug, Sign Corrected



Right In: 0.011+/-0.000 χ^2/NDF: 166382.2/21

Left Out: 0.009+/-0.000 χ^2/NDF:2048729.6/24

Right Out: 0.010+/-0.000 χ^2/NDF: 222636.1/26

Left In: 0.009+/-0.000 χ^2/NDF:2134207.9/22

Left: 0.009+/-0.000 χ^2/NDF: 4183033.5/47

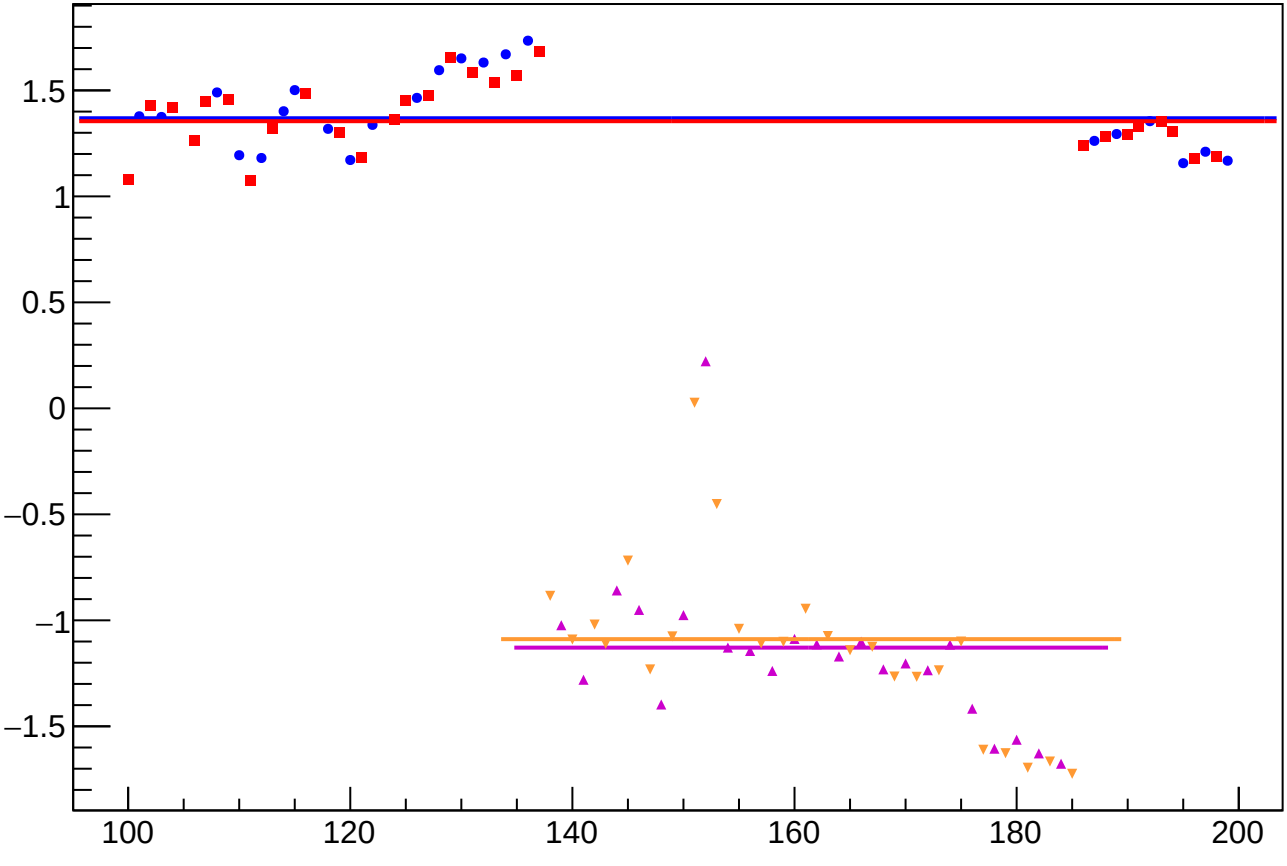
Right: 0.011+/-0.000 χ^2/NDF: 394626.1/48

In: 0.010+/-0.000 χ^2/NDF:2637867.7/44

Out: 0.010+/-0.000 χ^2/NDF:2558588.5/51

All: 0.010+/-0.000 χ^2/NDF: 5197695.5/96

yield_bpm1i02Y_mean vs Slug, Sign Corrected



Right In: 1.369+/-0.000 χ^2/NDF: 6183004859.1/21

Left Out: -1.089+/-0.000 χ^2/NDF:61255304912.3/24

Right Out: 1.355+/-0.000 χ^2/NDF: 4404108174.4/26

Left In: -1.129+/-0.000 χ^2/NDF:58876825364.1/22

Left: -1.108+/-0.000 χ^2/NDF: 120403370890.0/47

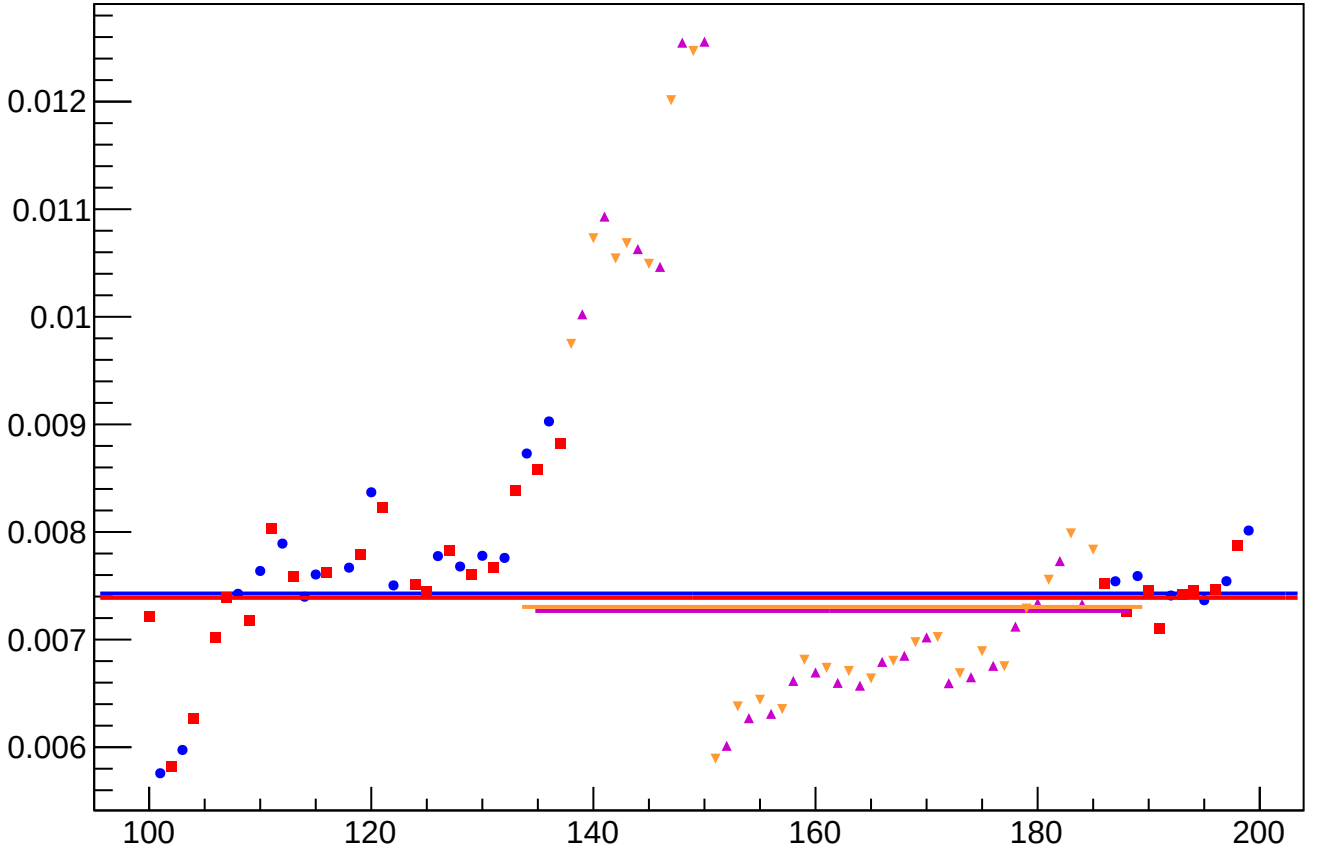
Right: 1.361+/-0.000 χ^2/NDF: 10608013647.6/48

In: -0.173+/-0.000 χ^2/NDF:854459196456.6/44

Out: -0.109+/-0.000 χ^2/NDF:894826557485.6/51

All: -0.140+/-0.000 χ^2/NDF: 1750435815407

yield_bpm1i02Y_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 283062.1/21

Left Out: 0.007+/-0.000 χ^2/NDF:1504103.4/24

Right Out: 0.007+/-0.000 χ^2/NDF: 204584.8/26

Left In: 0.007+/-0.000 χ^2/NDF:1560089.8/22

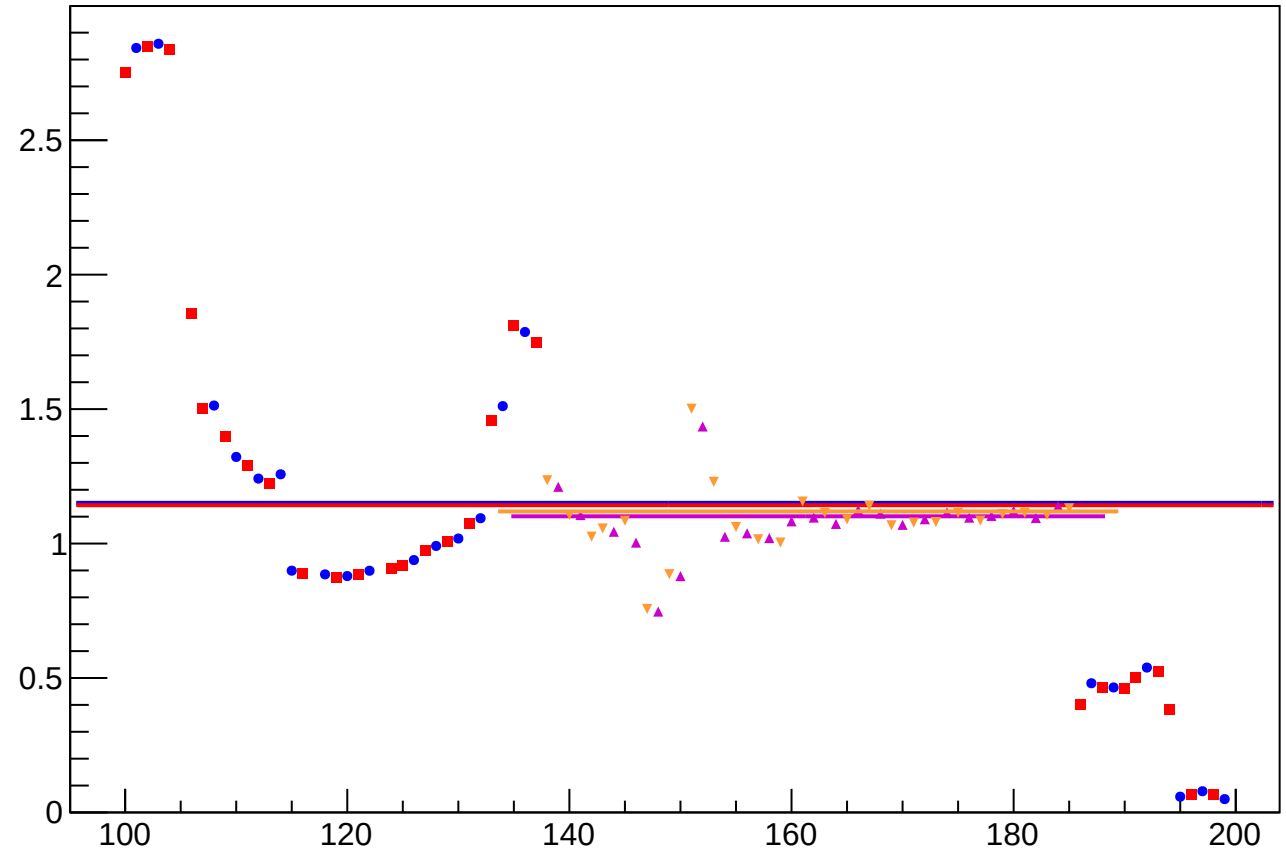
Left: 0.007+/-0.000 χ^2/NDF: 3064663.5/47

Right: 0.007+/-0.000 χ^2/NDF: 487999.2/48

In: 0.007+/-0.000 χ^2/NDF:1849787.4/44

Out: 0.007+/-0.000 χ^2/NDF:1710666.1/51

All: 0.007+/-0.000 χ^2/NDF: 3560500.3/96



Right In: 1.151+/-0.000 χ^2/NDF: 102021273011.8/21

Left Out: 1.120+/-0.000 χ^2/NDF:5515079117.9/24

Right Out: 1.143+/-0.000 χ^2/NDF: 99633036367.7/26

Left In: 1.101+/-0.000 χ^2/NDF:4201972548.8/22

Left: 1.111+/-0.000 χ^2/NDF: 9774836704.8/47

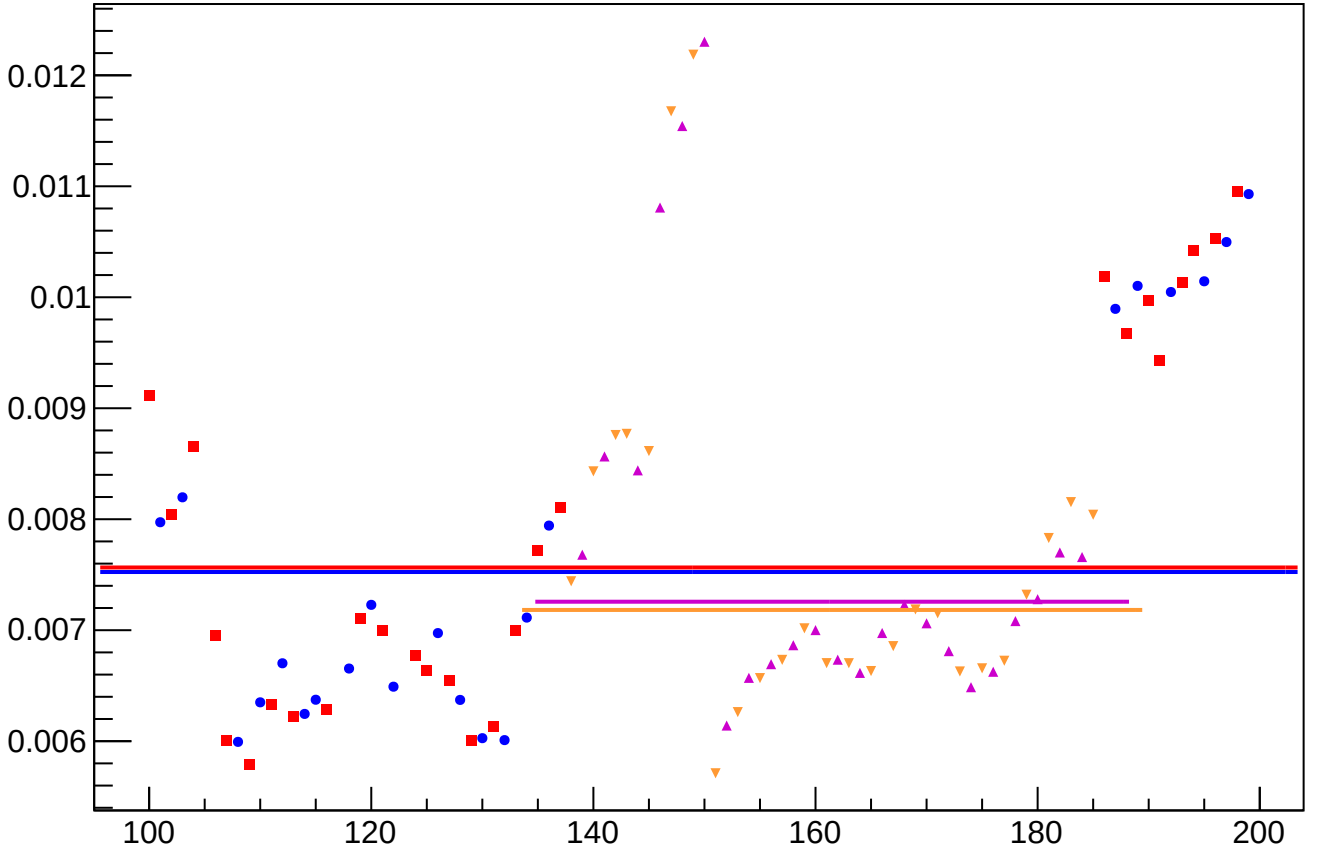
Right: 1.147+/-0.000 χ^2/NDF: 201661948162.2/48

In: 1.120+/-0.000 χ^2/NDF:106529511622.6/44

Out: 1.128+/-0.000 χ^2/NDF:105218748452.7/51

All: 1.124+/-0.000 χ^2/NDF: 211767916315.2

yield_bpm1i04X_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 964664.7/21

Left Out: 0.007+/-0.000 χ^2/NDF:893807.0/24

Right Out: 0.008+/-0.000 χ^2/NDF: 1154021.3/26

Left In: 0.007+/-0.000 χ^2/NDF:916696.6/22

Left: 0.007+/-0.000 χ^2/NDF: 1812400.5/47

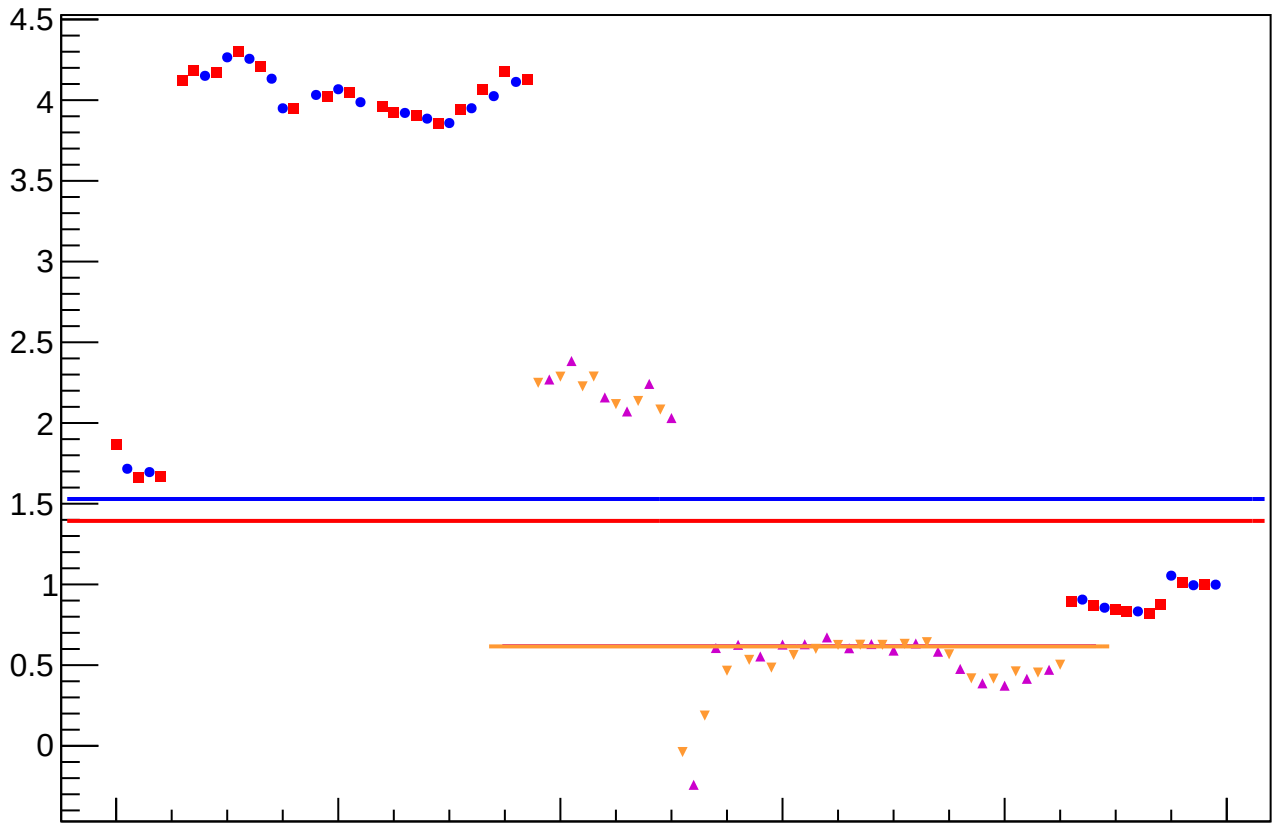
Right: 0.008+/-0.000 χ^2/NDF: 2119024.7/48

In: 0.007+/-0.000 χ^2/NDF:1898916.7/44

Out: 0.007+/-0.000 χ^2/NDF:2086916.0/51

All: 0.007+/-0.000 χ^2/NDF: 3986326.6/96

yield_bpm1i04Y_mean vs Slug, Sign Corrected



Right In: 1.529+/-0.000 χ^2/NDF: 1465547407046.5/21

Left Out: 0.616+/-0.000 χ^2/NDF:251940630795.3/24

Right Out: 1.393+/-0.000 χ^2/NDF: 1689127744904.9/26

Left In: 0.618+/-0.000 χ^2/NDF:254248143278.9/22

Left: 0.617+/-0.000 χ^2/NDF: 506191281472.3/47

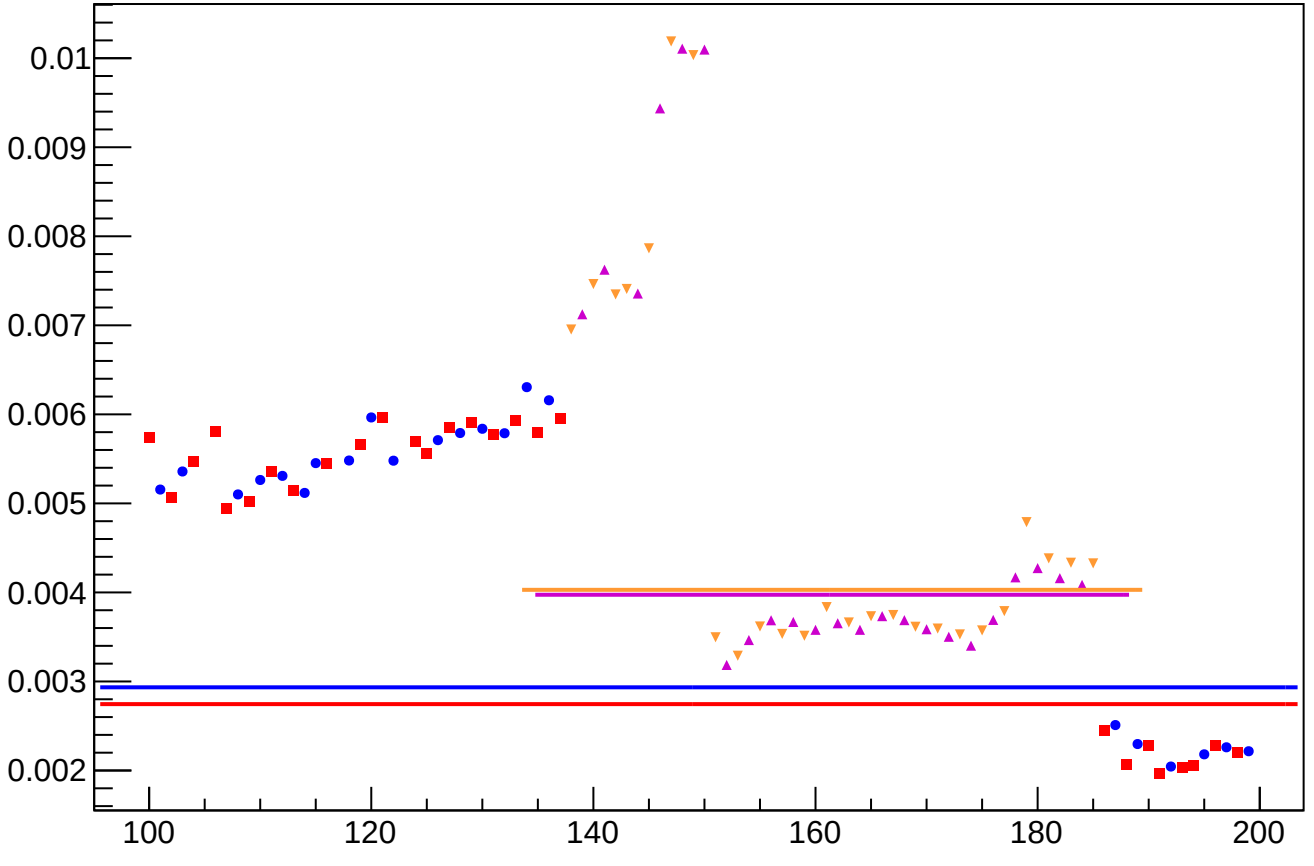
Right: 1.453+/-0.000 χ^2/NDF: 3165468399526.2/48

In: 1.078+/-0.000 χ^2/NDF:2150376262182.6/44

Out: 1.049+/-0.000 χ^2/NDF:2296921677370.0/51

All: 1.063+/-0.000 χ^2/NDF: 4448242242376.

yield_bpm1i04Y_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 4197898.7/21

Left Out: 0.004+/-0.000 χ^2/NDF:2965028.8/24

Right Out: 0.003+/-0.000 χ^2/NDF: 4575048.4/26

Left In: 0.004+/-0.000 χ^2/NDF:3121901.5/22

Left: 0.004+/-0.000 χ^2/NDF: 6090115.0/47

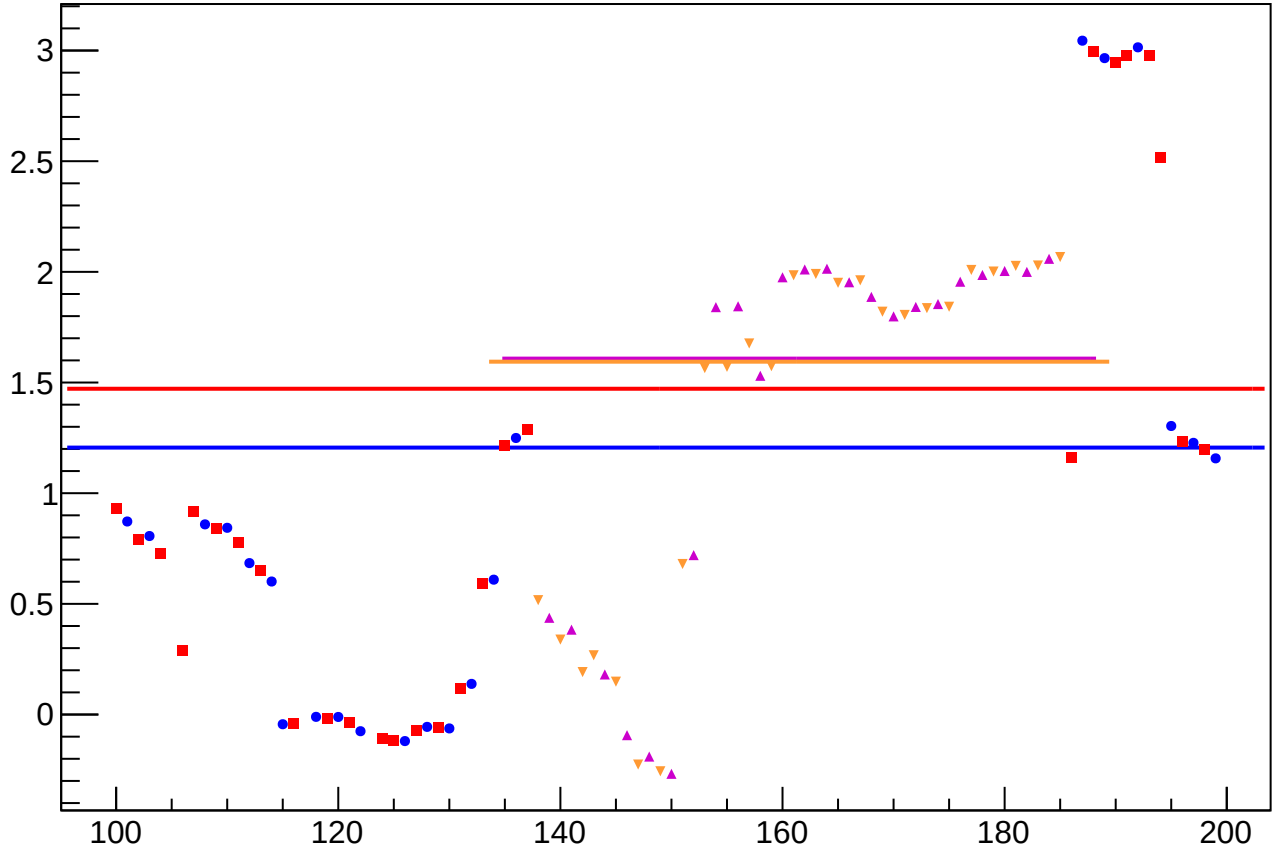
Right: 0.003+/-0.000 χ^2/NDF: 8814711.0/48

In: 0.003+/-0.000 χ^2/NDF:8441568.4/44

Out: 0.003+/-0.000 χ^2/NDF:9480385.3/51

All: 0.003+/-0.000 χ^2/NDF: 17962298.7/96

yield_bpm1i06X_mean vs Slug, Sign Corrected



Right In: 1.206+/-0.000 χ^2/NDF: 77470923246.9/21

Left Out: 1.594+/-0.000 χ^2/NDF:62632055963.2/24

Right Out: 1.472+/-0.000 χ^2/NDF: 103305456205.0/26

Left In: 1.608+/-0.000 χ^2/NDF:66403809503.4/22

Left: 1.601+/-0.000 χ^2/NDF: 129051467837.0/47

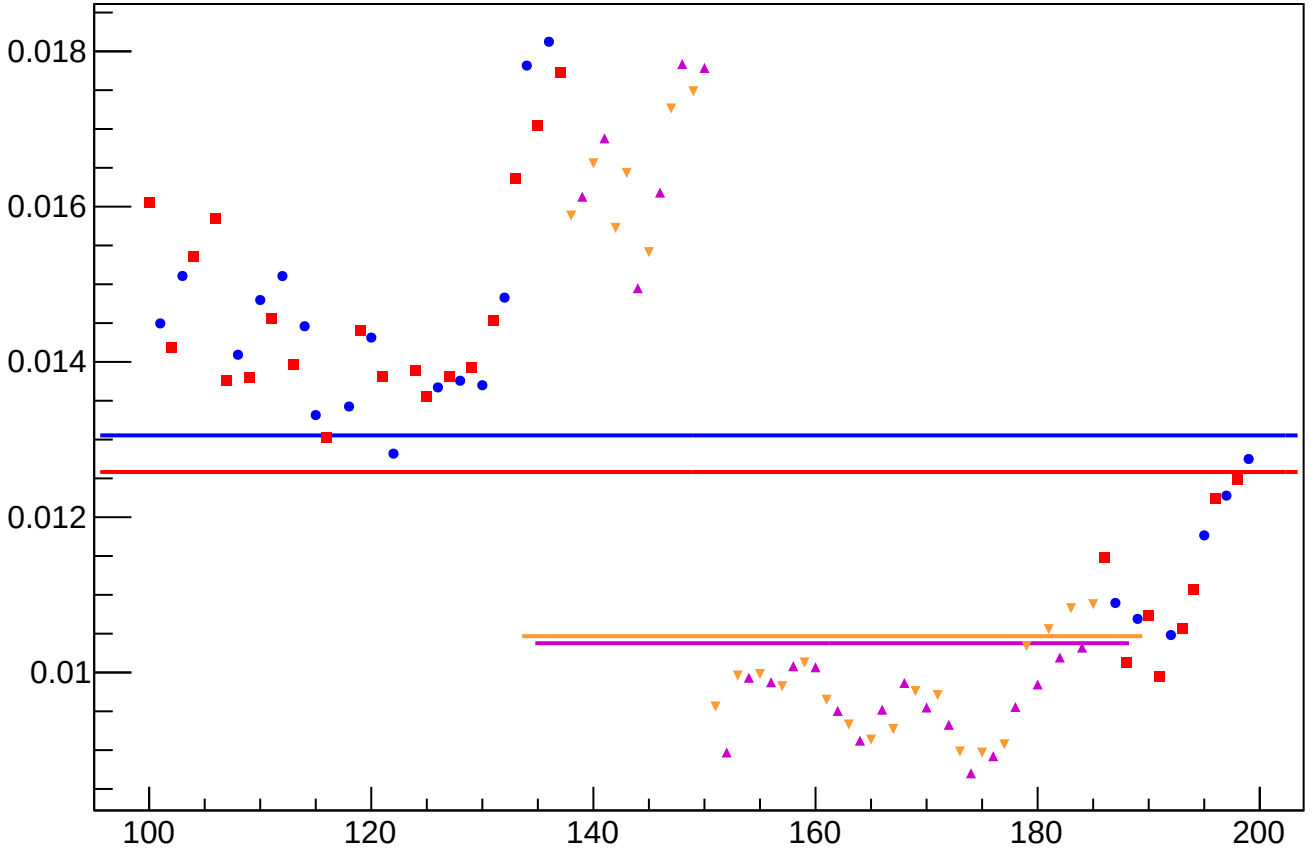
Right: 1.350+/-0.000 χ^2/NDF: 183286795455.1/48

In: 1.492+/-0.000 χ^2/NDF:151390776256.4/44

Out: 1.555+/-0.000 χ^2/NDF:166730171393.3/51

All: 1.525+/-0.000 χ^2/NDF: 318598343810.8

yield_bpm1i06X_rms vs Slug, Sign Corrected



Right In: 0.013+/-0.000 χ^2/NDF: 494772.0/21

Left Out: 0.010+/-0.000 χ^2/NDF:1661211.8/24

Right Out: 0.013+/-0.000 χ^2/NDF: 589159.7/26

Left In: 0.010+/-0.000 χ^2/NDF:1710541.0/22

Left: 0.010+/-0.000 χ^2/NDF: 3373093.6/47

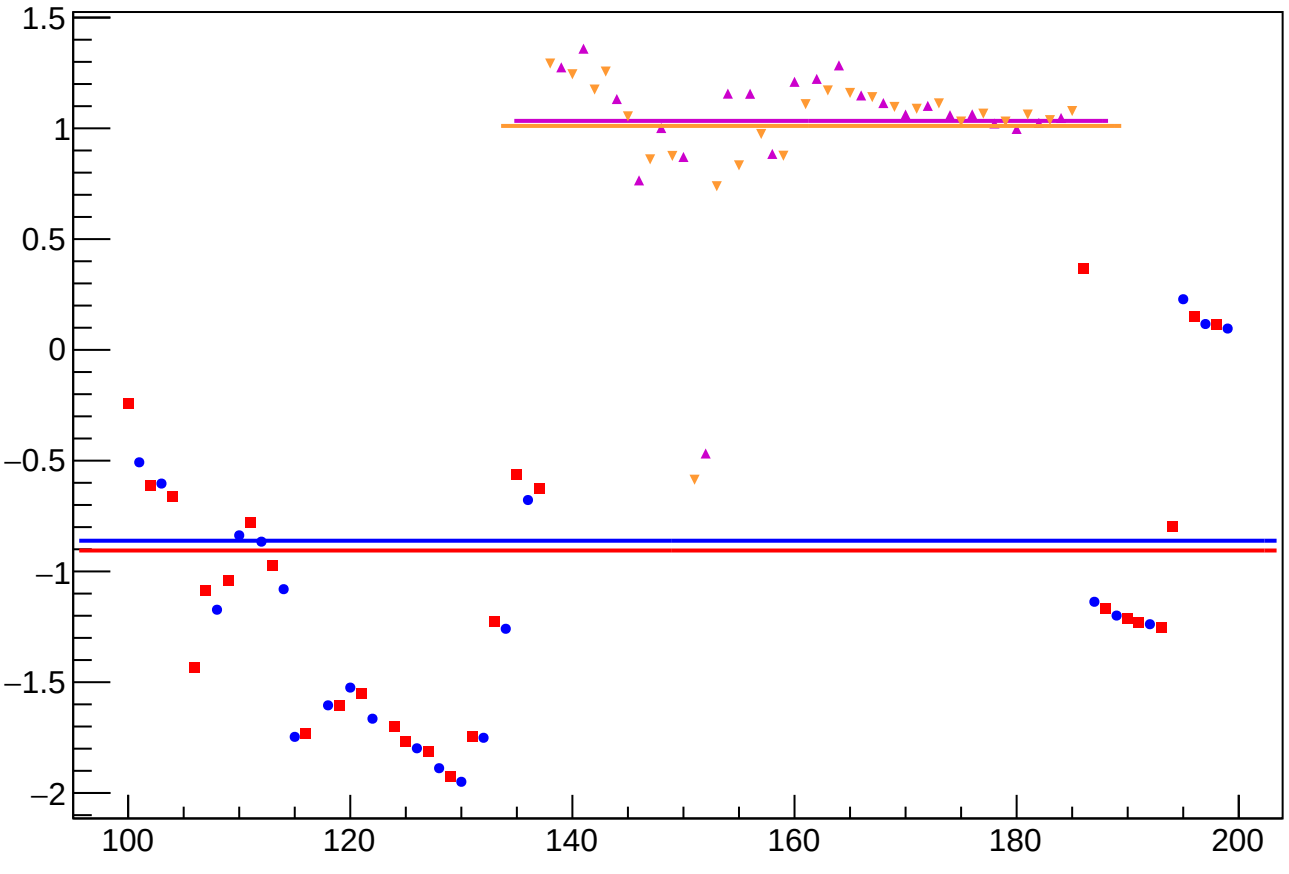
Right: 0.013+/-0.000 χ^2/NDF: 1099722.0/48

In: 0.011+/-0.000 χ^2/NDF:2871733.0/44

Out: 0.011+/-0.000 χ^2/NDF:2724157.3/51

All: 0.011+/-0.000 χ^2/NDF: 5595930.3/96

yield_bpm1i06Y_mean vs Slug, Sign Corrected



Right In: -0.861+/-0.000 χ^2/NDF: 132776151587.8/21

Left Out: 1.011+/-0.000 χ^2/NDF:111188616245.0/24

Right Out: -0.906+/-0.000 χ^2/NDF: 112161923604.2/26

Left In: 1.034+/-0.000 χ^2/NDF:125385050389.9/22

Left: 1.022+/-0.000 χ^2/NDF: 236930467589.7/47

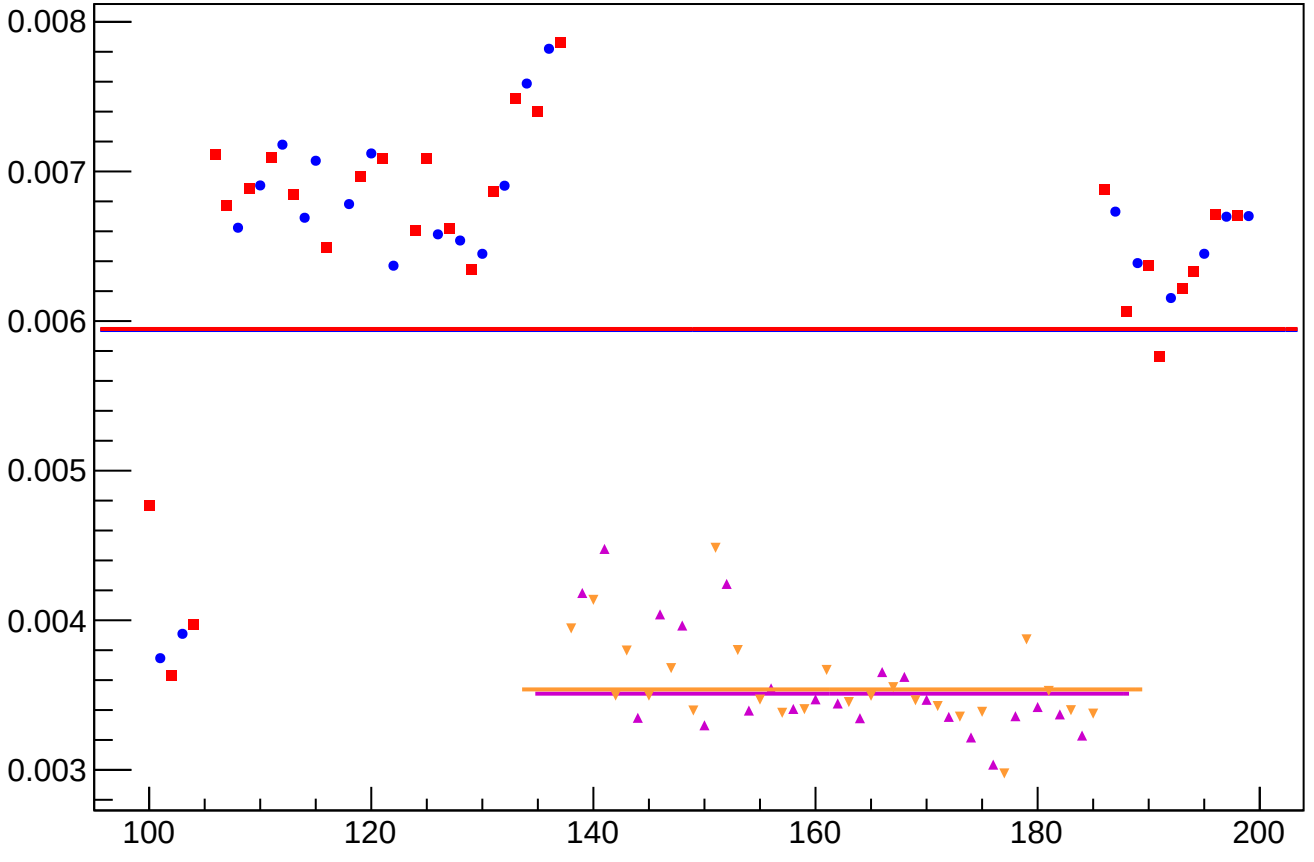
Right: -0.885+/-0.000 χ^2/NDF: 245240834340.5/48

In: 0.692+/-0.000 χ^2/NDF:1128302024331.0/44

Out: 0.650+/-0.000 χ^2/NDF:1195048933156.7/51

All: 0.671+/-0.000 χ^2/NDF: 2324859232025.

yield_bpm1i06Y_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 1037562.5/21

Left Out: 0.004+/-0.000 χ^2/NDF:215725.1/24

Right Out: 0.006+/-0.000 χ^2/NDF: 1077643.8/26

Left In: 0.004+/-0.000 χ^2/NDF:284960.7/22

Left: 0.004+/-0.000 χ^2/NDF: 501791.4/47

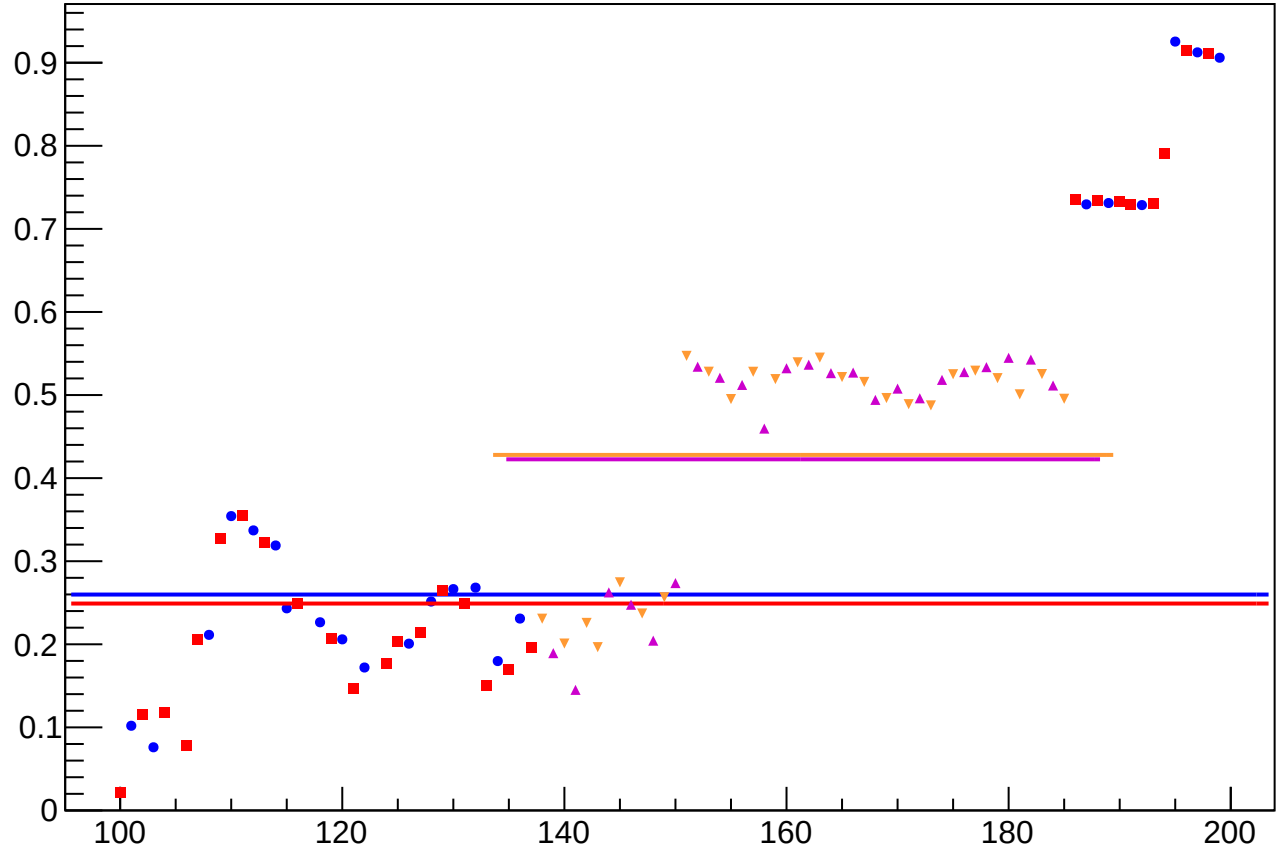
Right: 0.006+/-0.000 χ^2/NDF: 2115221.7/48

In: 0.004+/-0.000 χ^2/NDF:4185472.2/44

Out: 0.004+/-0.000 χ^2/NDF:4364768.0/51

All: 0.004+/-0.000 χ^2/NDF: 8553534.8/96

yield_bpm2i01X_mean vs Slug, Sign Corrected



Right In: 0.260+/-0.000 χ^2/NDF: 106287605521.2/21

Left Out: 0.428+/-0.000 χ^2/NDF:153820853539.2/24

Right Out: 0.249+/-0.000 χ^2/NDF: 123770114698.2/26

Left In: 0.423+/-0.000 χ^2/NDF:158122093061.2/22

Left: 0.425+/-0.000 χ^2/NDF: 312056221639.2/47

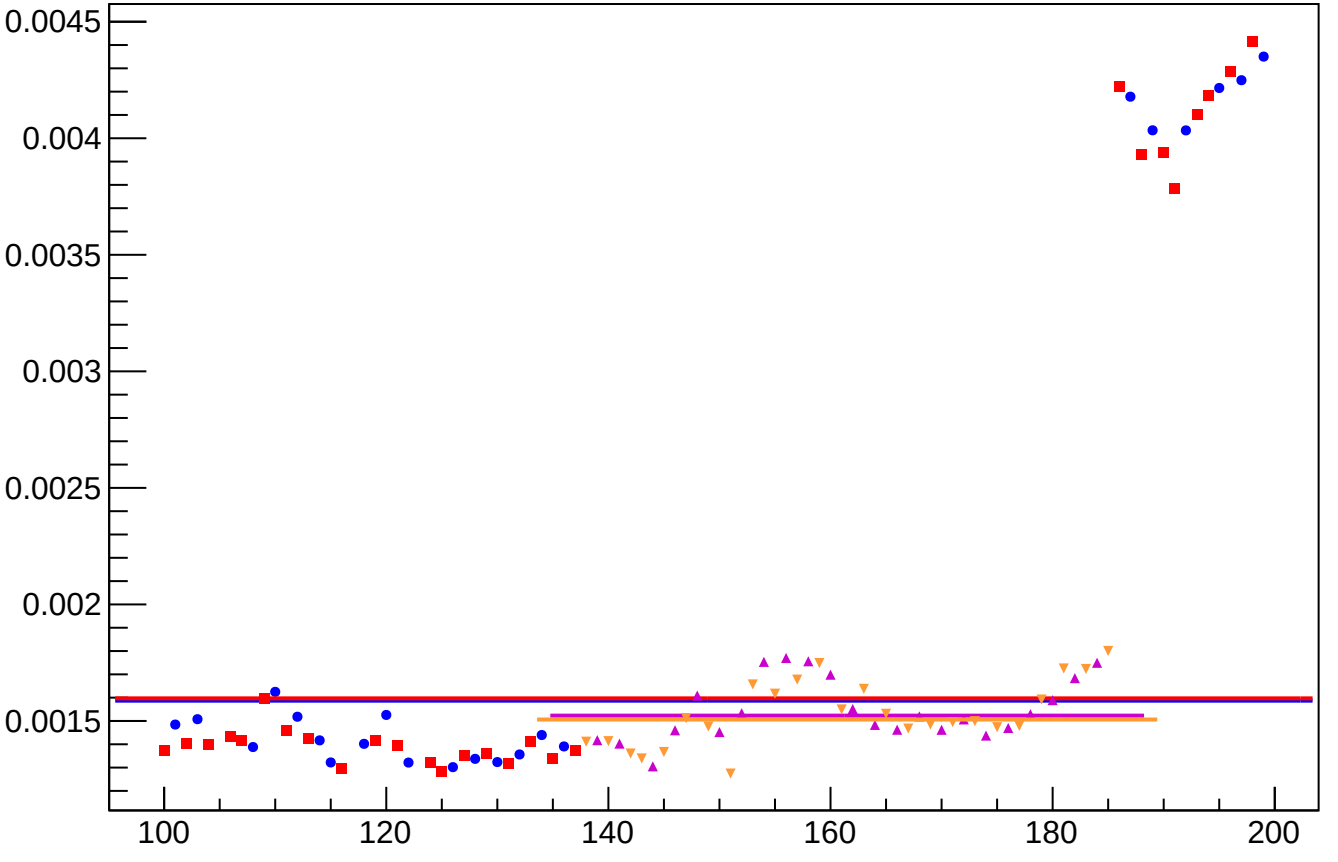
Right: 0.254+/-0.000 χ^2/NDF: 230287713239.7/48

In: 0.369+/-0.000 χ^2/NDF:331402502481.7/44

Out: 0.369+/-0.000 χ^2/NDF:365808903134.4/51

All: 0.369+/-0.000 χ^2/NDF: 697212015754.4

yield_bpm2i01X_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 3577466.2/21

Left Out: 0.002+/-0.000 χ^2/NDF:278895.8/24

Right Out: 0.002+/-0.000 χ^2/NDF: 4361948.6/26

Left In: 0.002+/-0.000 χ^2/NDF:234679.9/22

Left: 0.002+/-0.000 χ^2/NDF: 515814.5/47

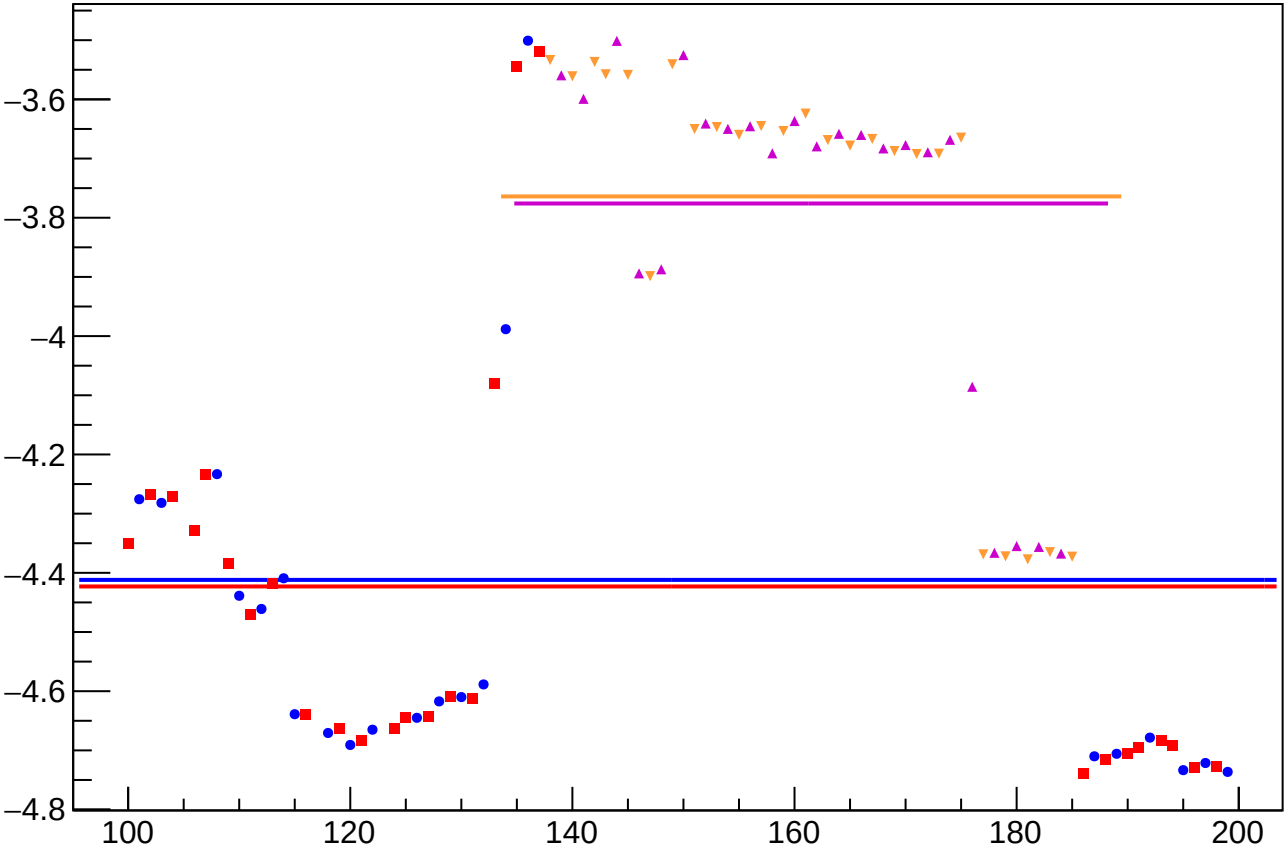
Right: 0.002+/-0.000 χ^2/NDF: 7939789.7/48

In: 0.002+/-0.000 χ^2/NDF:3833086.8/44

Out: 0.002+/-0.000 χ^2/NDF:4686289.5/51

All: 0.002+/-0.000 χ^2/NDF: 8520115.5/96

yield_bpm2i01Y_mean vs Slug, Sign Corrected



Right In: -4.412+/-0.000 χ^2/NDF: 394710737256.9/21

Left Out: -3.764+/-0.000 χ^2/NDF:483461311370.8/24

Right Out: -4.423+/-0.000 χ^2/NDF: 345961032922.3/26

Left In: -3.776+/-0.000 χ^2/NDF:402659987166.3/22

Left: -3.770+/-0.000 χ^2/NDF: 886556013091.1/47

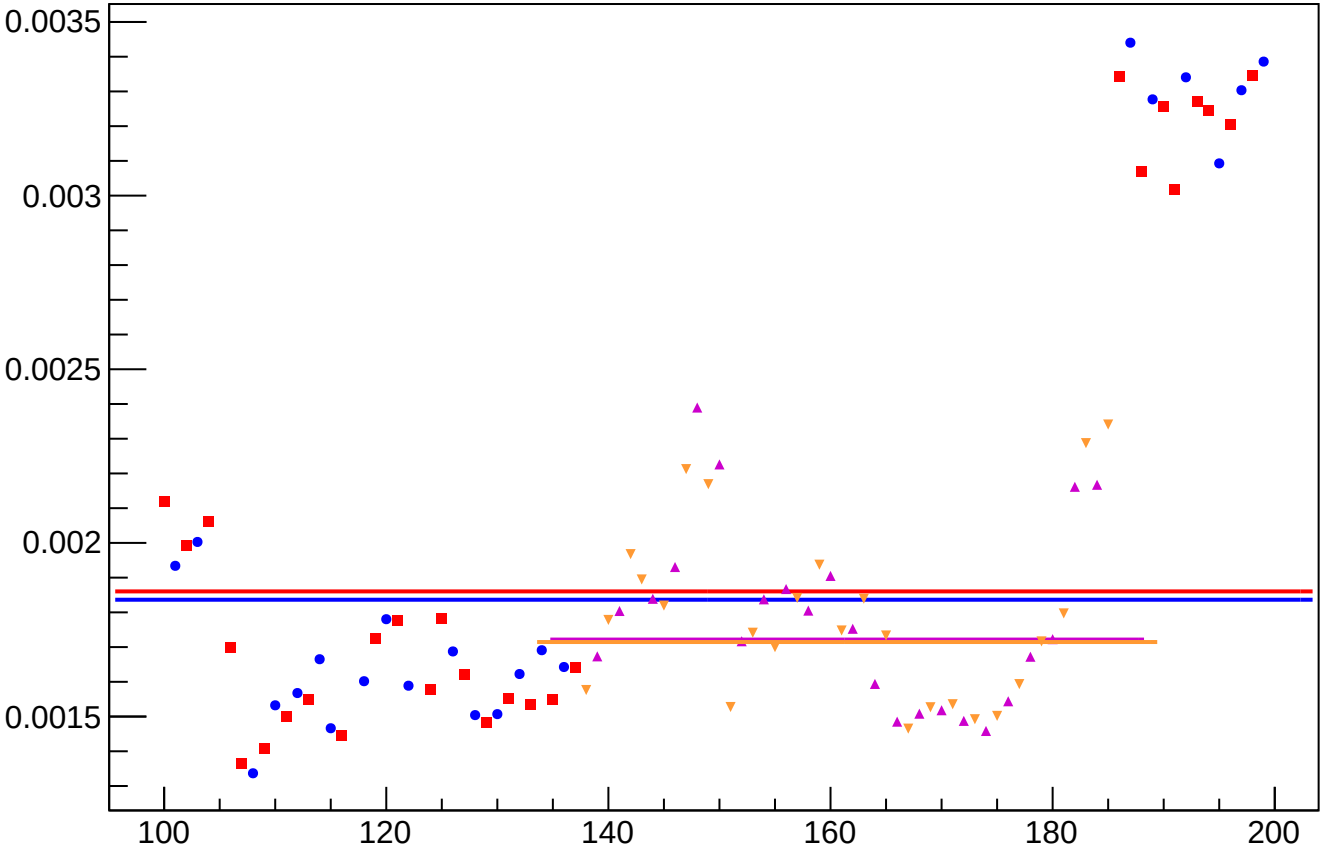
Right: -4.418+/-0.000 χ^2/NDF: 740864228539.6/48

In: -3.990+/-0.000 χ^2/NDF:1604843143339.0/44

Out: -3.988+/-0.000 χ^2/NDF:1761865115087.3/51

All: -3.989+/-0.000 χ^2/NDF: 3366723441667

yield_bpm2i01Y_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 2029339.8/21

Left Out: 0.002+/-0.000 χ^2/NDF:562338.1/24

Right Out: 0.002+/-0.000 χ^2/NDF: 2412582.2/26

Left In: 0.002+/-0.000 χ^2/NDF:581878.6/22

Left: 0.002+/-0.000 χ^2/NDF: 1144519.8/47

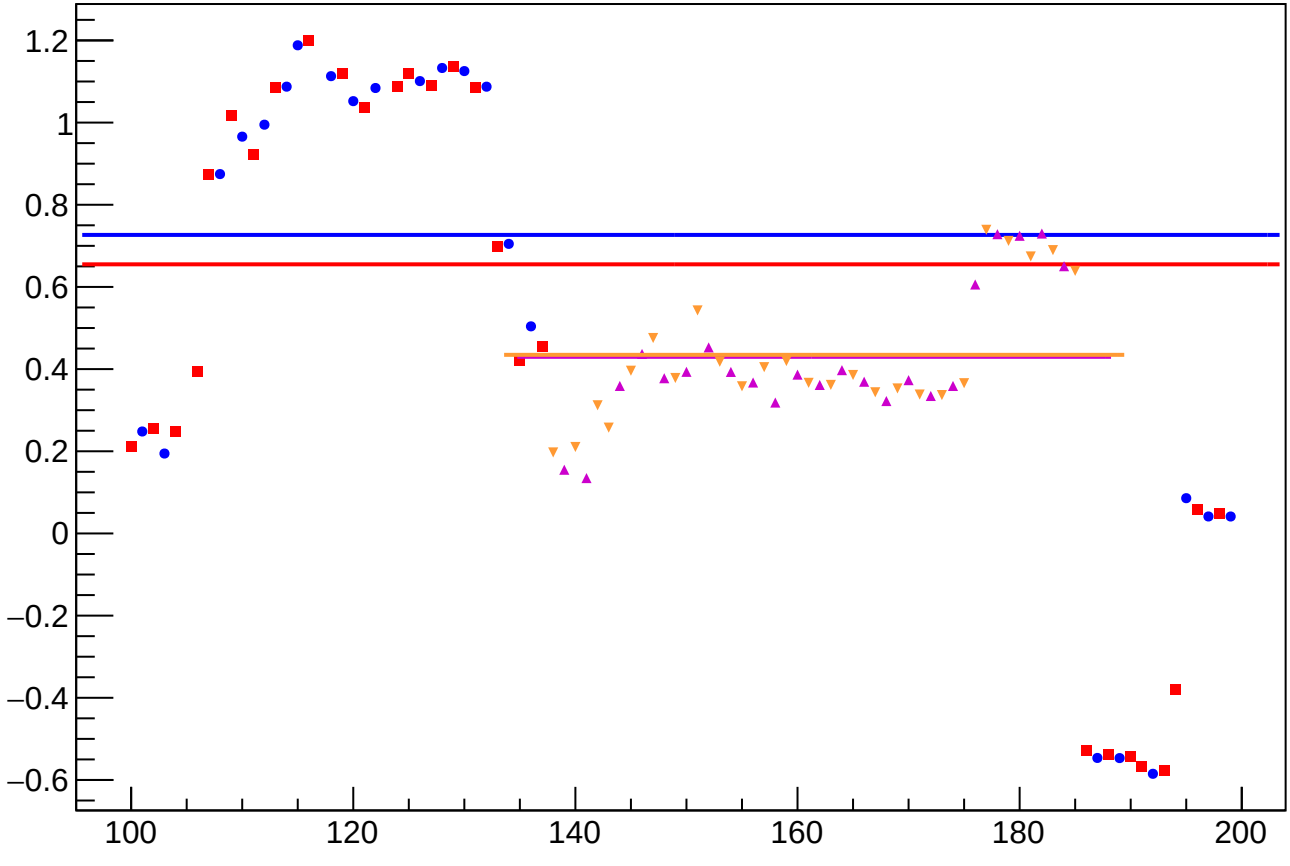
Right: 0.002+/-0.000 χ^2/NDF: 4443722.0/48

In: 0.002+/-0.000 χ^2/NDF:2663780.4/44

Out: 0.002+/-0.000 χ^2/NDF:3066165.2/51

All: 0.002+/-0.000 χ^2/NDF: 5730088.4/96

yield_bpm2i02X_mean vs Slug, Sign Corrected



Right In: 0.727+/-0.000 χ^2/NDF: 56530654046.5/21

Left Out: 0.435+/-0.000 χ^2/NDF:8515333254.7/24

Right Out: 0.655+/-0.000 χ^2/NDF: 78767900567.8/26

Left In: 0.430+/-0.000 χ^2/NDF:9041195997.1/22

Left: 0.432+/-0.000 χ^2/NDF: 17560906918.4/47

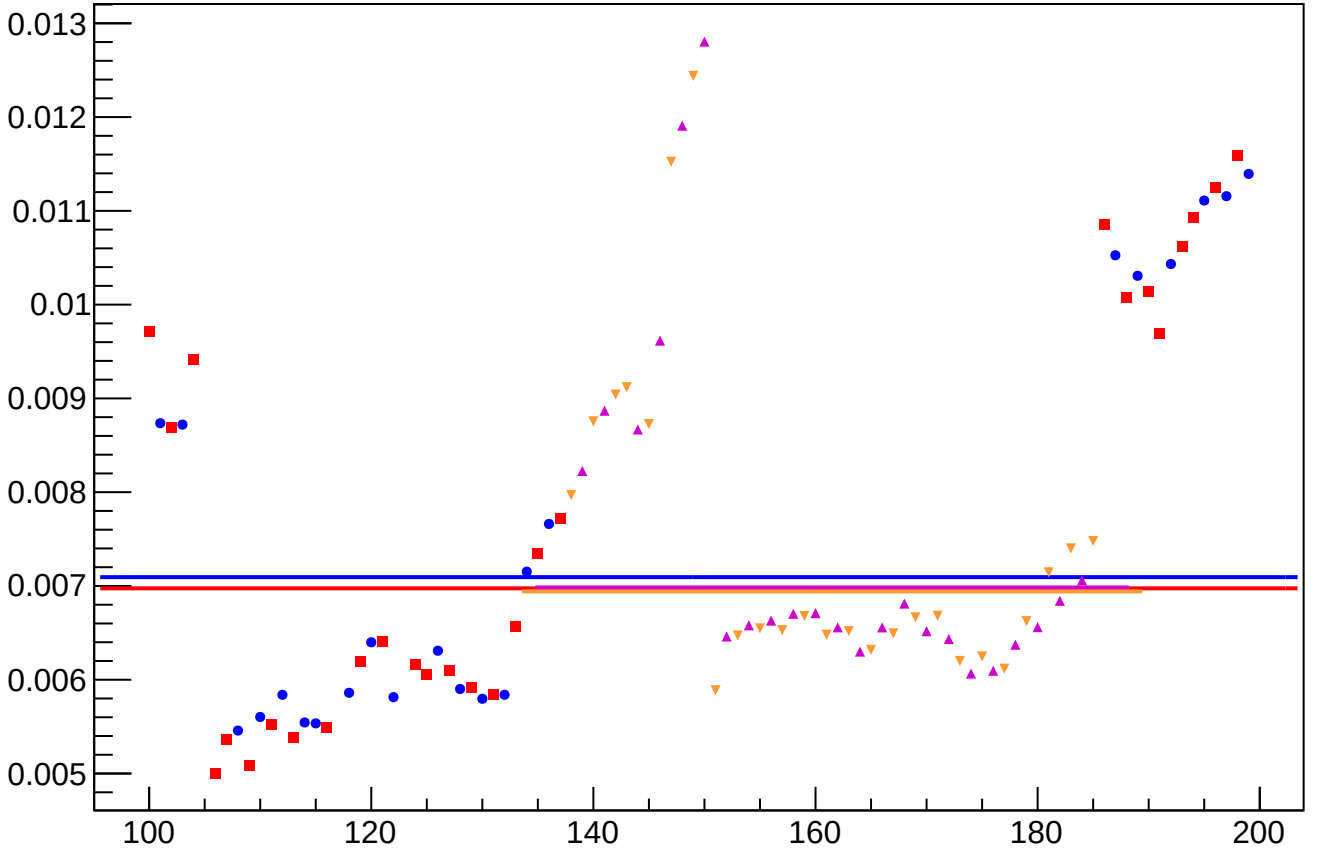
Right: 0.688+/-0.000 χ^2/NDF: 135877126110.5/48

In: 0.539+/-0.000 χ^2/NDF:77344855158.0/44

Out: 0.519+/-0.000 χ^2/NDF:94504540576.3/51

All: 0.529+/-0.000 χ^2/NDF: 171971705517.1

yield_bpm2i02X_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 1593352.8/21

Left Out: 0.007+/-0.000 χ^2/NDF:1090916.4/24

Right Out: 0.007+/-0.000 χ^2/NDF: 2056563.9/26

Left In: 0.007+/-0.000 χ^2/NDF:1136529.0/22

Left: 0.007+/-0.000 χ^2/NDF: 2228107.8/47

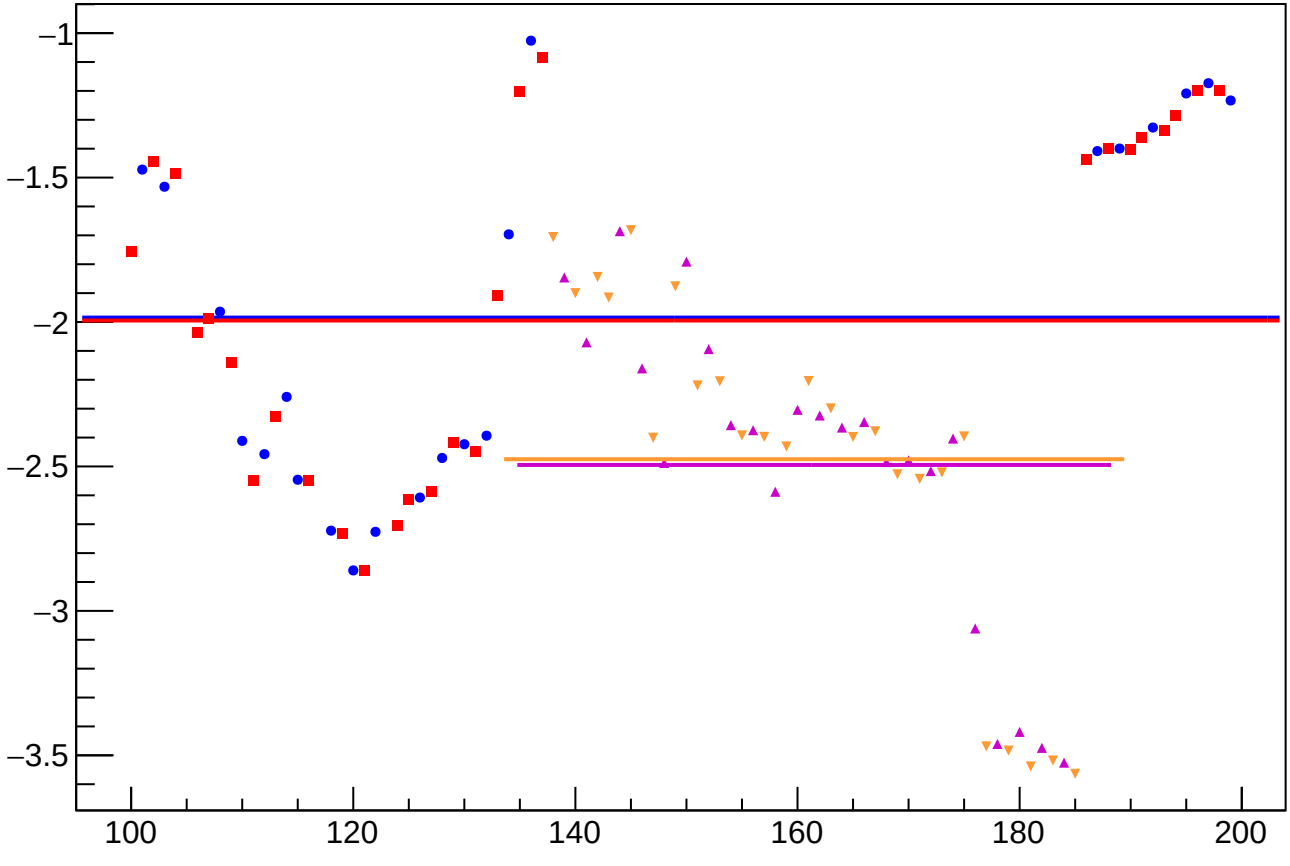
Right: 0.007+/-0.000 χ^2/NDF: 3653138.5/48

In: 0.007+/-0.000 χ^2/NDF:2733125.8/44

Out: 0.007+/-0.000 χ^2/NDF:3147799.1/51

All: 0.007+/-0.000 χ^2/NDF: 5883880.2/96

yield_bpm2i02Y_mean vs Slug, Sign Corrected



Right In: -1.985+/-0.000 χ^2/NDF: 93956345335.0/21

Left Out: -2.475+/-0.000 χ^2/NDF:122955897541.5/24

Right Out: -1.995+/-0.000 χ^2/NDF: 91042358475.0/26

Left In: -2.495+/-0.000 χ^2/NDF:96774638297.6/22

Left: -2.485+/-0.000 χ^2/NDF: 219817663018.7/47

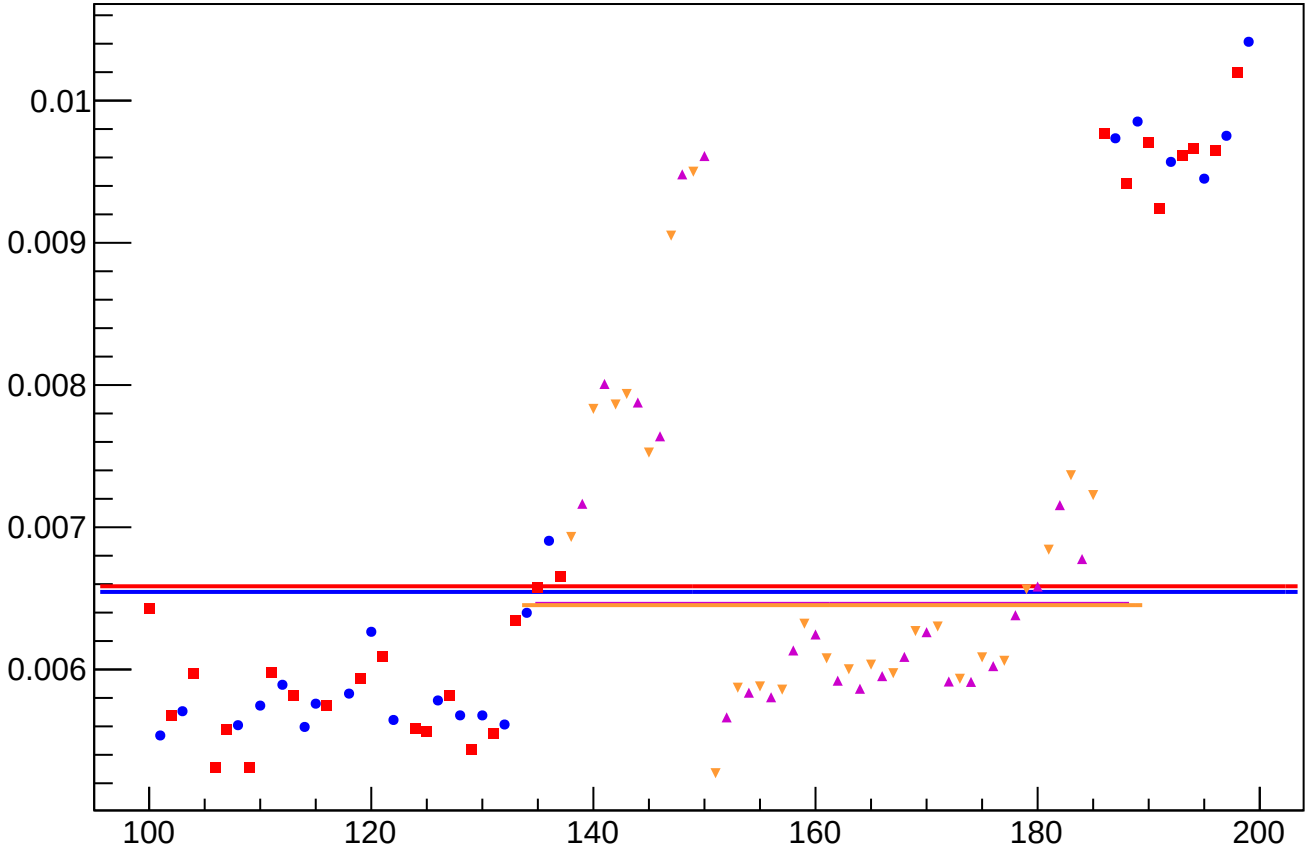
Right: -1.990+/-0.000 χ^2/NDF: 185012147269.3/48

In: -2.305+/-0.000 χ^2/NDF:232275460677.9/44

Out: -2.293+/-0.000 χ^2/NDF:253812424747.3/51

All: -2.299+/-0.000 χ^2/NDF: 486143176638.9

yield_bpm2i02Y_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 1202131.2/21

Left Out: 0.006+/-0.000 χ^2/NDF:713238.0/24

Right Out: 0.007+/-0.000 χ^2/NDF: 1417585.3/26

Left In: 0.006+/-0.000 χ^2/NDF:720640.7/22

Left: 0.006+/-0.000 χ^2/NDF: 1433914.6/47

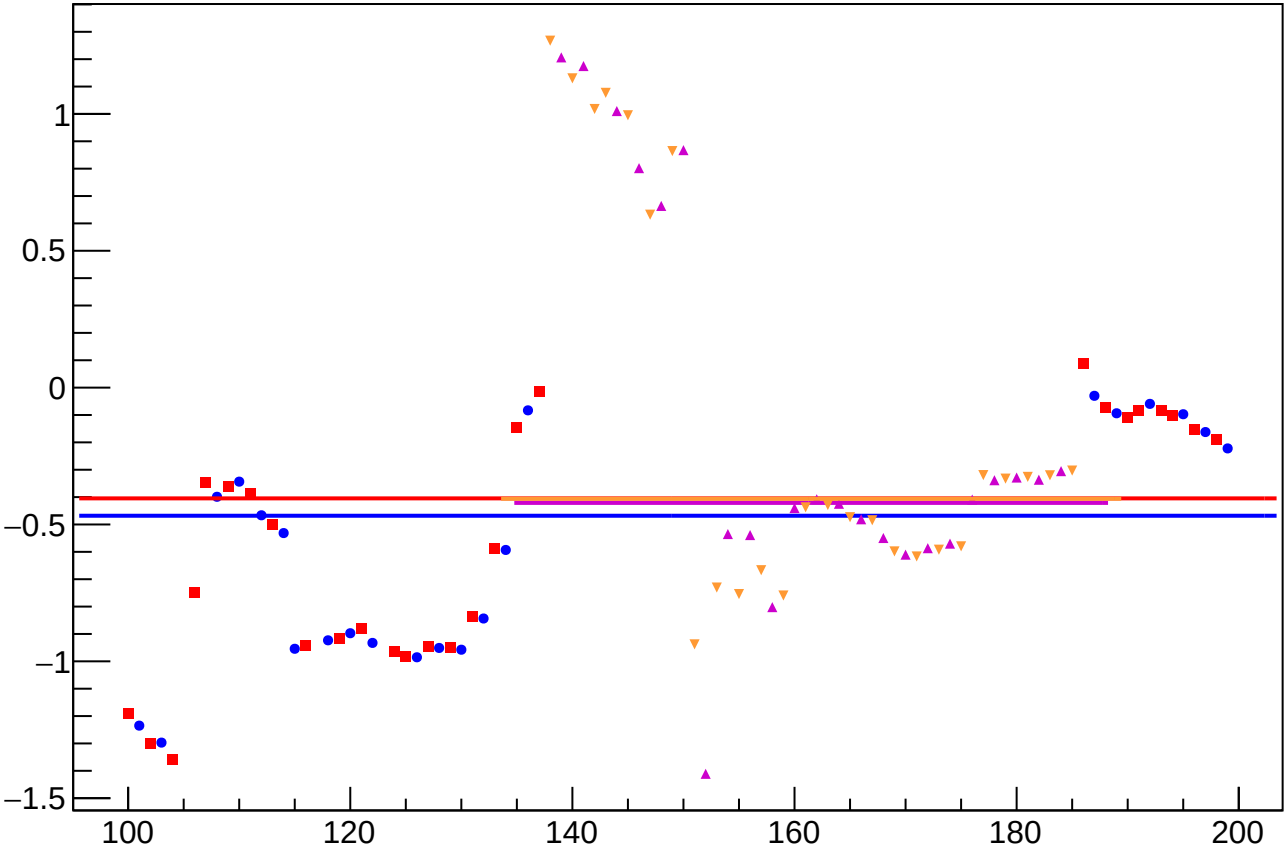
Right: 0.007+/-0.000 χ^2/NDF: 2620135.8/48

In: 0.006+/-0.000 χ^2/NDF:1925021.1/44

Out: 0.007+/-0.000 χ^2/NDF:2136901.2/51

All: 0.006+/-0.000 χ^2/NDF: 4061995.2/96

yield_bpm0i01X_mean vs Slug, Sign Corrected



Right In: -0.468+/-0.000 χ^2/NDF: 22725408900.9/21

Left Out: -0.406+/-0.000 χ^2/NDF:81633647828.2/24

Right Out: -0.405+/-0.000 χ^2/NDF: 26377892678.1/26

Left In: -0.421+/-0.000 χ^2/NDF:90241717621.7/22

Left: -0.413+/-0.000 χ^2/NDF: 171915637988.1/47

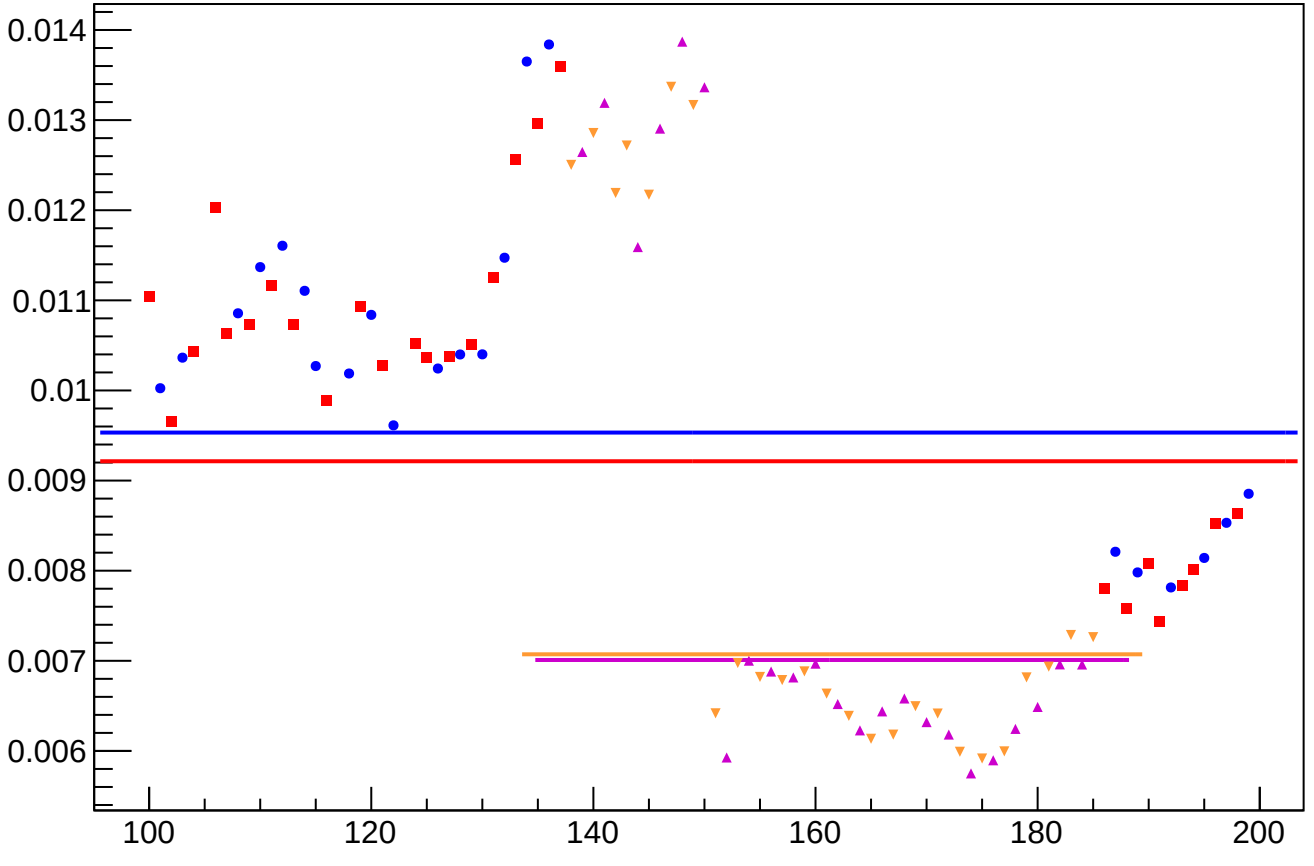
Right: -0.434+/-0.000 χ^2/NDF: 49367891397.9/48

In: -0.433+/-0.000 χ^2/NDF:113164215497.3/44

Out: -0.406+/-0.000 χ^2/NDF:108011717043.4/51

All: -0.419+/-0.000 χ^2/NDF: 221362642796.2

yield_bpm0i01X_rms vs Slug, Sign Corrected



Right In: 0.010+/-0.000 χ^2/NDF: 595418.2/21

Left Out: 0.007+/-0.000 χ^2/NDF:2384159.5/24

Right Out: 0.009+/-0.000 χ^2/NDF: 670933.9/26

Left In: 0.007+/-0.000 χ^2/NDF:2456348.6/22

Left: 0.007+/-0.000 χ^2/NDF: 4841897.1/47

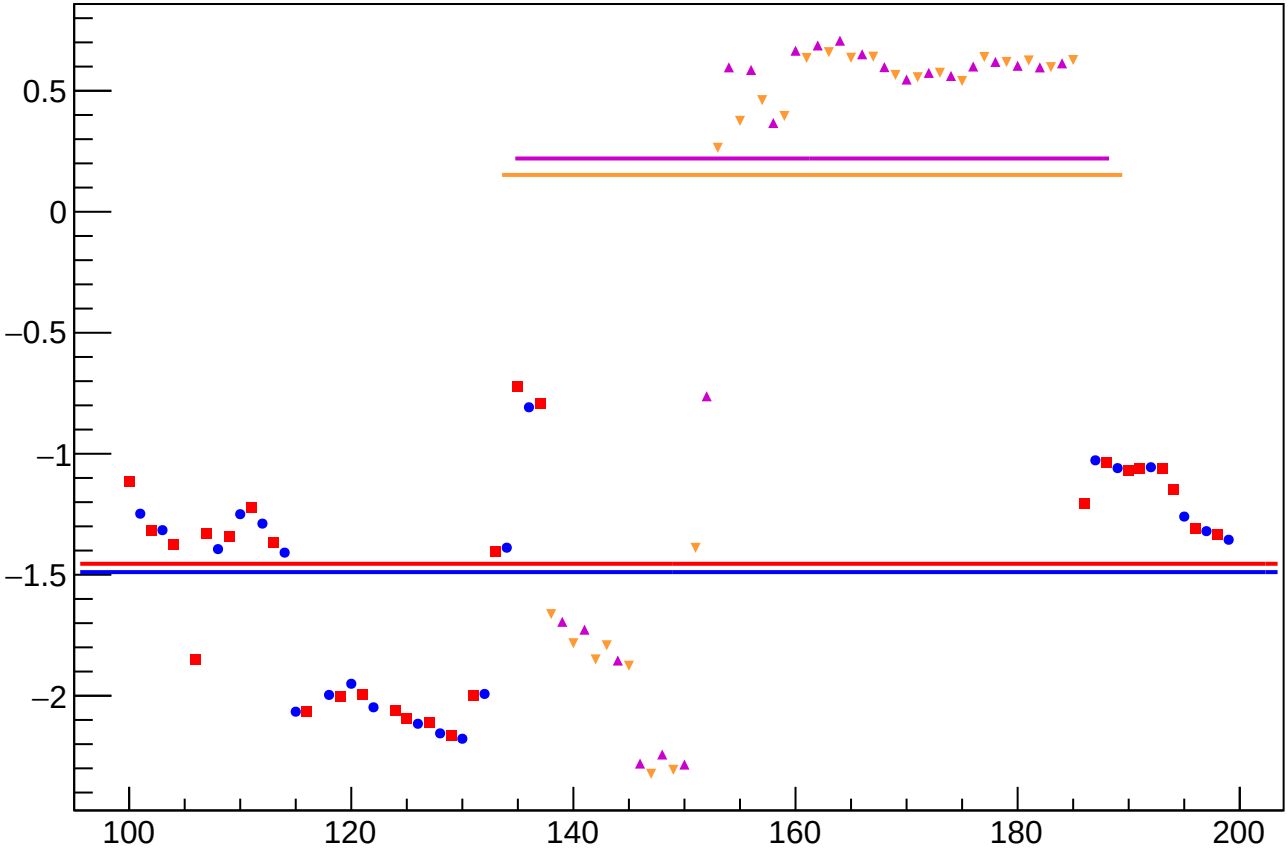
Right: 0.009+/-0.000 χ^2/NDF: 1279673.9/48

In: 0.008+/-0.000 χ^2/NDF:4192000.2/44

Out: 0.008+/-0.000 χ^2/NDF:3993150.4/51

All: 0.008+/-0.000 χ^2/NDF: 8185297.2/96

yield_bpm0i01Y_mean vs Slug, Sign Corrected



Right In: -1.489+/-0.000 χ^2/NDF: 181387967540.0/21

Left Out: 0.152+/-0.000 χ^2/NDF:2398778835341.2/24

Right Out: -1.455+/-0.000 χ^2/NDF: 171378959981.2/26

Left In: 0.220+/-0.000 χ^2/NDF:2121977245985.6/22

Left: 0.185+/-0.000 χ^2/NDF: 4527353258188.4/47

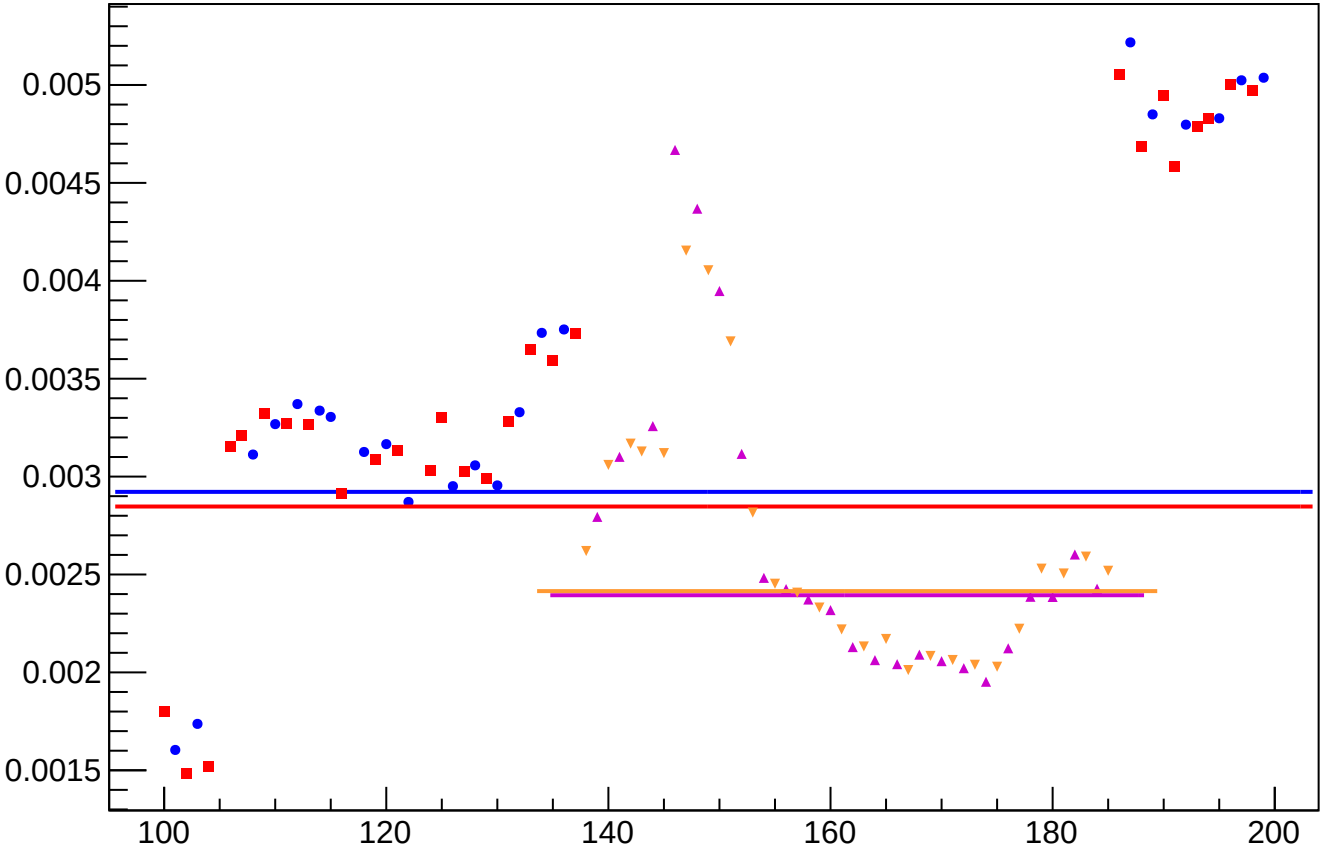
Right: -1.471+/-0.000 χ^2/NDF: 353458353398.5/48

In: -0.263+/-0.000 χ^2/NDF:4607728086266.9/44

Out: -0.325+/-0.000 χ^2/NDF:4815256411511.7/51

All: -0.295+/-0.000 χ^2/NDF: 9430685381794

yield_bpm0i01Y_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 2791390.8/21

Left Out: 0.002+/-0.000 χ^2/NDF:1220406.4/24

Right Out: 0.003+/-0.000 χ^2/NDF: 3704069.2/26

Left In: 0.002+/-0.000 χ^2/NDF:1409595.4/22

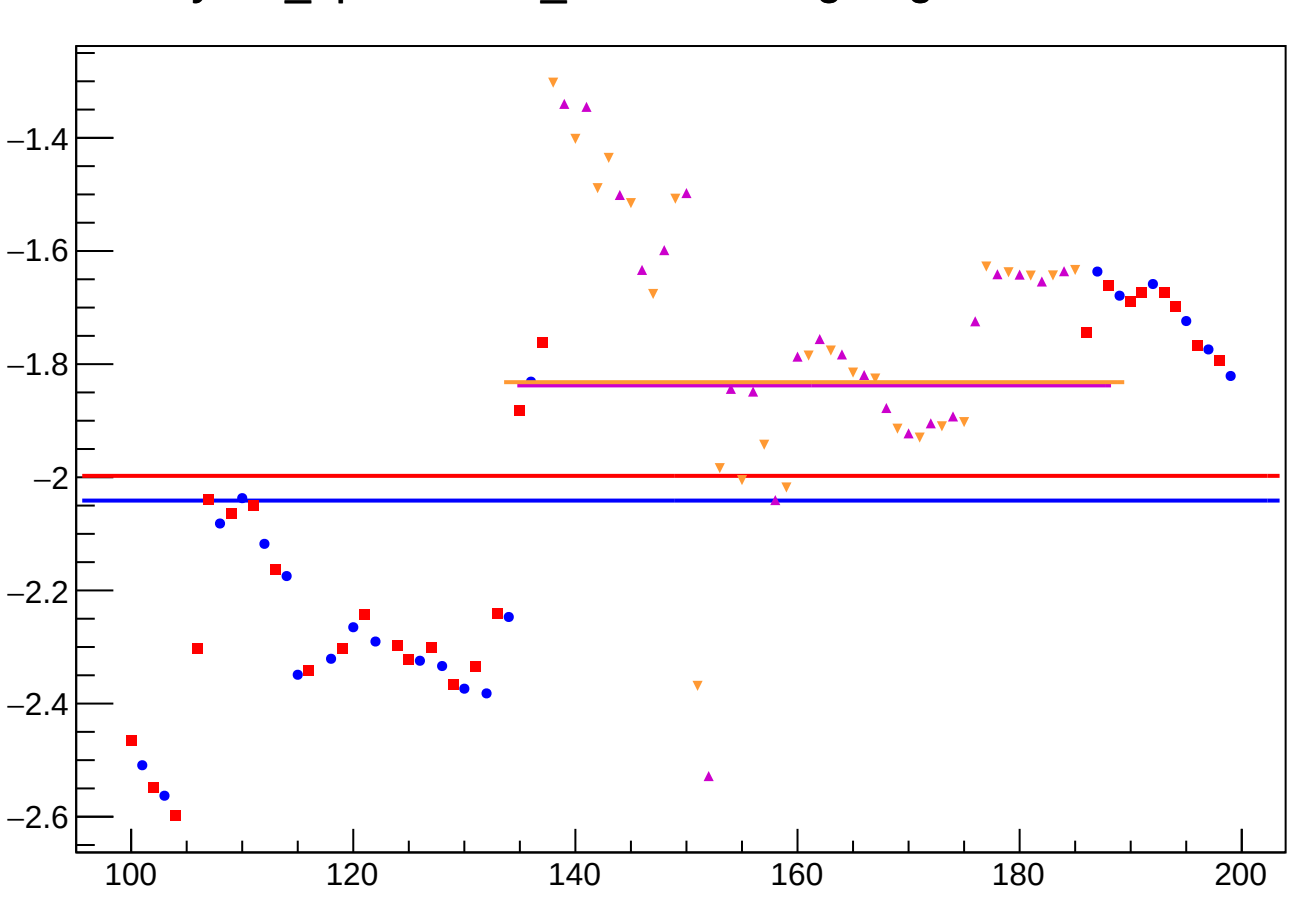
Left: 0.002+/-0.000 χ^2/NDF: 2631272.1/47

Right: 0.003+/-0.000 χ^2/NDF: 6501979.3/48

In: 0.003+/-0.000 χ^2/NDF:4640567.9/44

Out: 0.003+/-0.000 χ^2/NDF:5248988.1/51

All: 0.003+/-0.000 χ^2/NDF: 9889556.1/96



Right In: -2.041+/-0.000 χ^2/NDF: 30371361008.1/21

Left Out: -1.832+/-0.000 χ^2/NDF:38365576589.1/24

Right Out: -1.997+/-0.000 χ^2/NDF: 35739913554.9/26

Left In: -1.838+/-0.000 χ^2/NDF:53437434367.2/22

Left: -1.835+/-0.000 χ^2/NDF: 91818701563.9/47

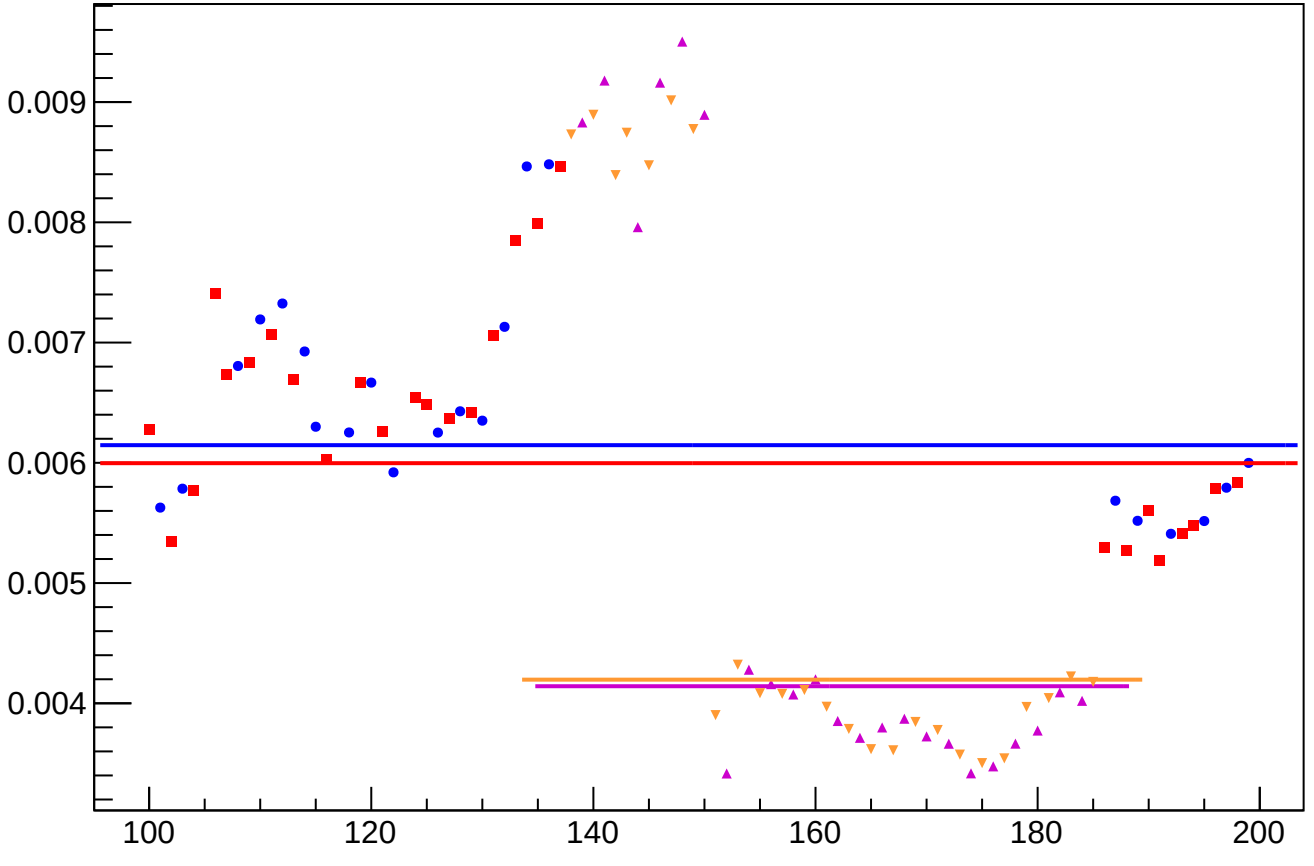
Right: -2.018+/-0.000 χ^2/NDF: 66411037054.2/48

In: -1.886+/-0.000 χ^2/NDF:93041506103.3/44

Out: -1.875+/-0.000 χ^2/NDF:81016130992.4/51

All: -1.880+/-0.000 χ^2/NDF: 174137000169.3

yield_bpm0i01aX_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 357342.0/21

Left Out: 0.004+/-0.000 χ^2/NDF:3091489.2/24

Right Out: 0.006+/-0.000 χ^2/NDF: 376853.7/26

Left In: 0.004+/-0.000 χ^2/NDF:3193924.3/22

Left: 0.004+/-0.000 χ^2/NDF: 6288278.1/47

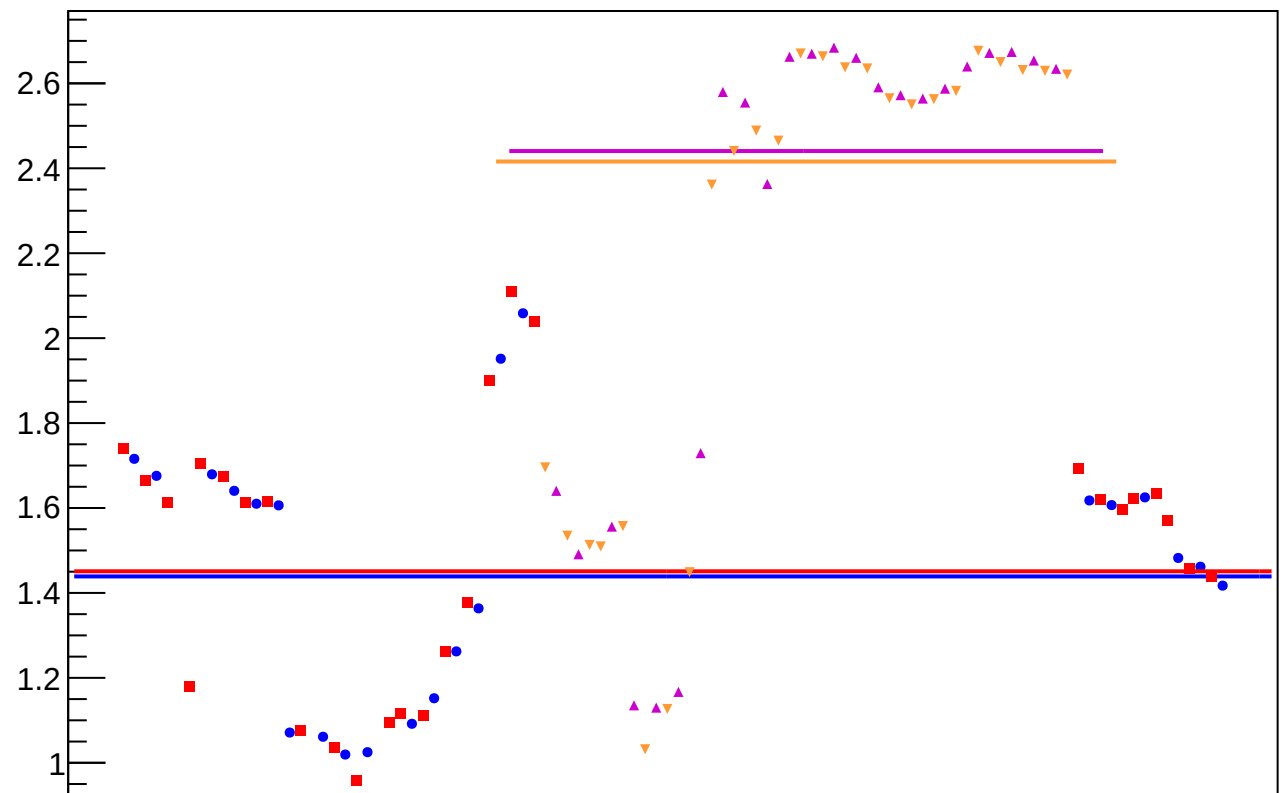
Right: 0.006+/-0.000 χ^2/NDF: 741240.4/48

In: 0.005+/-0.000 χ^2/NDF:5341957.1/44

Out: 0.005+/-0.000 χ^2/NDF:5101641.6/51

All: 0.005+/-0.000 χ^2/NDF: 10446158.1/96

yield_bpm0i01aY_mean vs Slug, Sign Corrected



Right In: 1.439+/-0.000 χ^2/NDF: 191296699473.5/21

Left Out: 2.416+/-0.000 χ^2/NDF:242949391498.0/24

Right Out: 1.451+/-0.000 χ^2/NDF: 186305375713.1/26

Left In: 2.441+/-0.000 χ^2/NDF:231724954471.8/22

Left: 2.428+/-0.000 χ^2/NDF: 475134633285.5/47

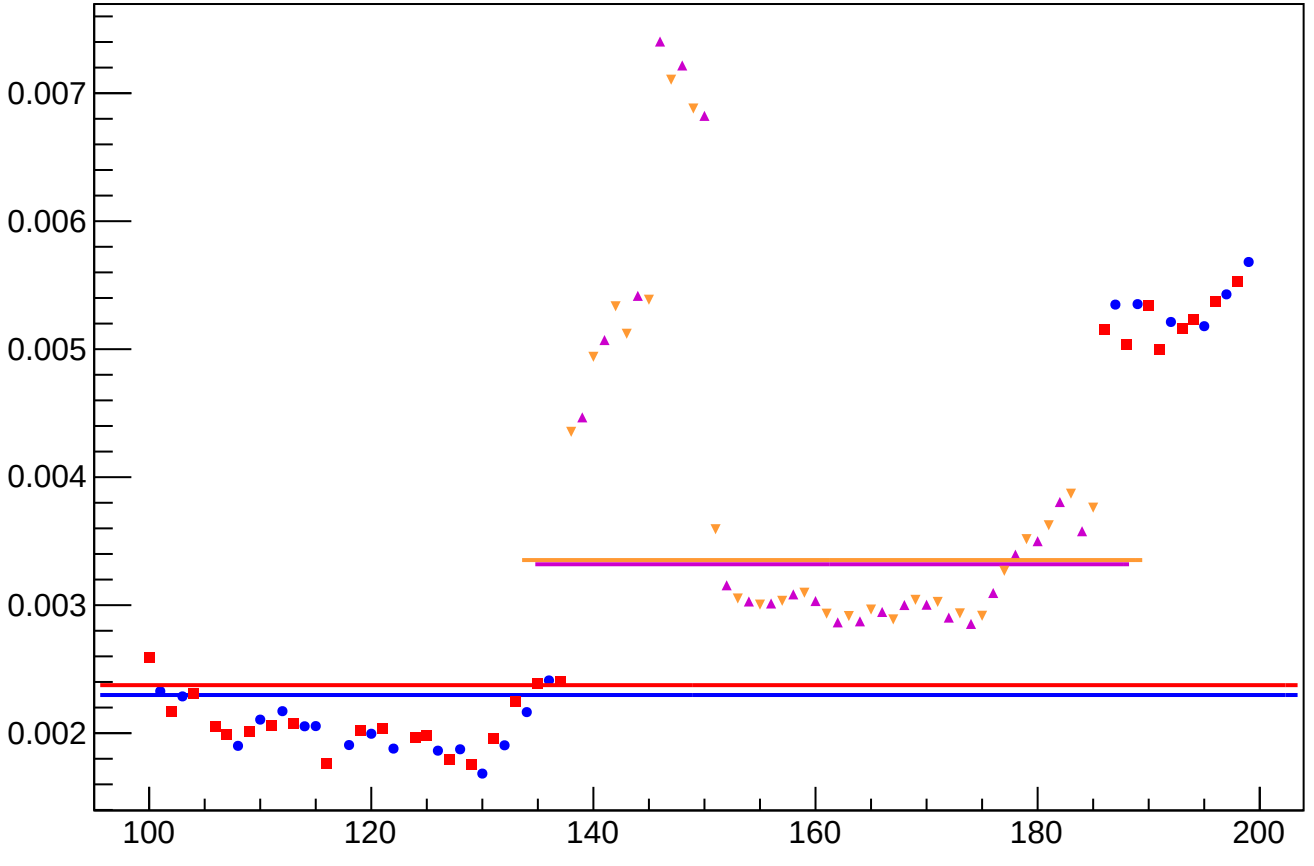
Right: 1.445+/-0.000 χ^2/NDF: 377732936073.1/48

In: 1.895+/-0.000 χ^2/NDF:1233210232149.2/44

Out: 1.895+/-0.000 χ^2/NDF:1210358976329.7/51

All: 1.895+/-0.000 χ^2/NDF: 2443569333828.

yield_bpm0i01aY_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 3173953.1/21

Left Out: 0.003+/-0.000 χ^2/NDF:1819921.4/24

Right Out: 0.002+/-0.000 χ^2/NDF: 3647085.8/26

Left In: 0.003+/-0.000 χ^2/NDF:2055631.9/22

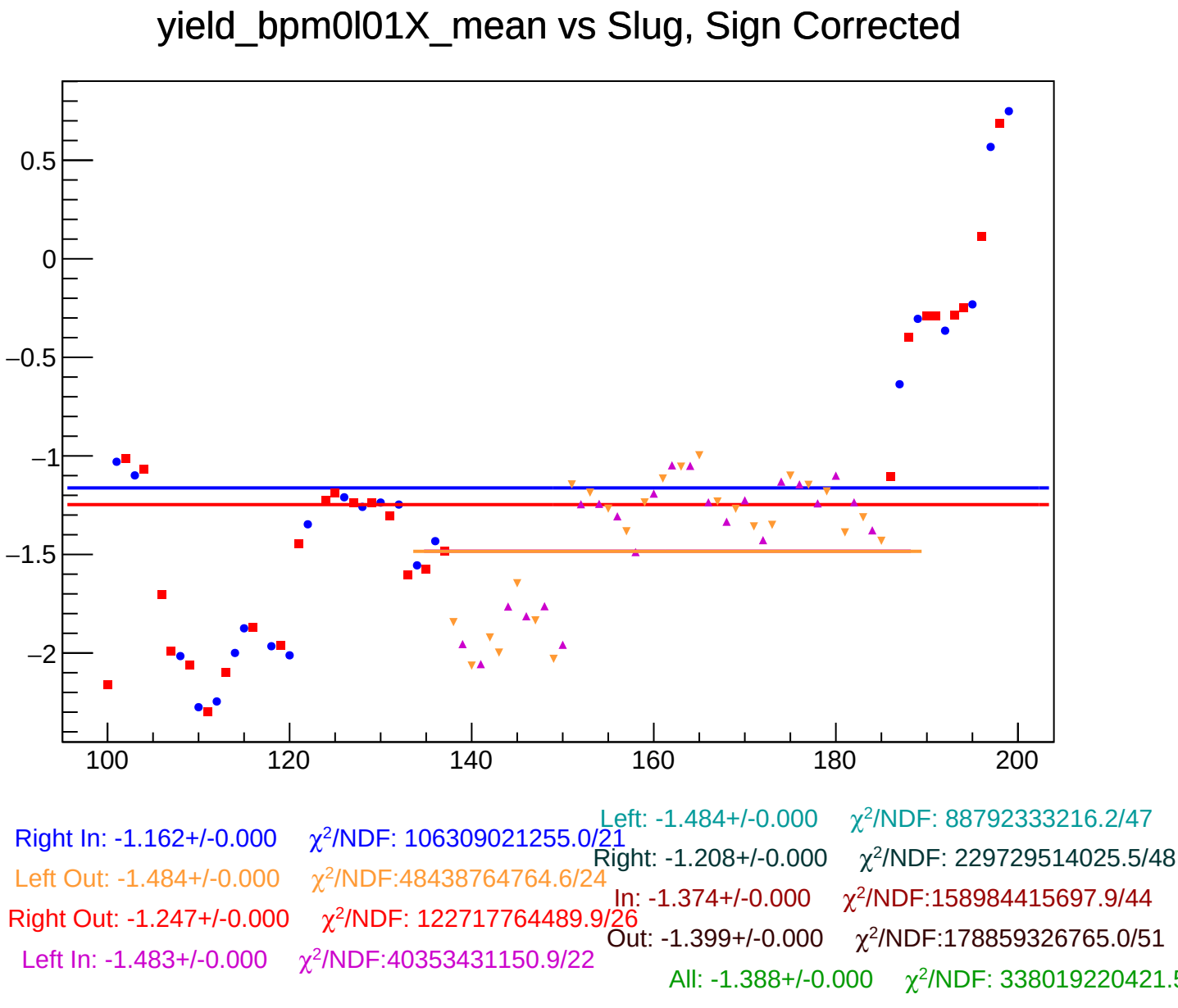
Left: 0.003+/-0.000 χ^2/NDF: 3877180.3/47

Right: 0.002+/-0.000 χ^2/NDF: 6831722.0/48

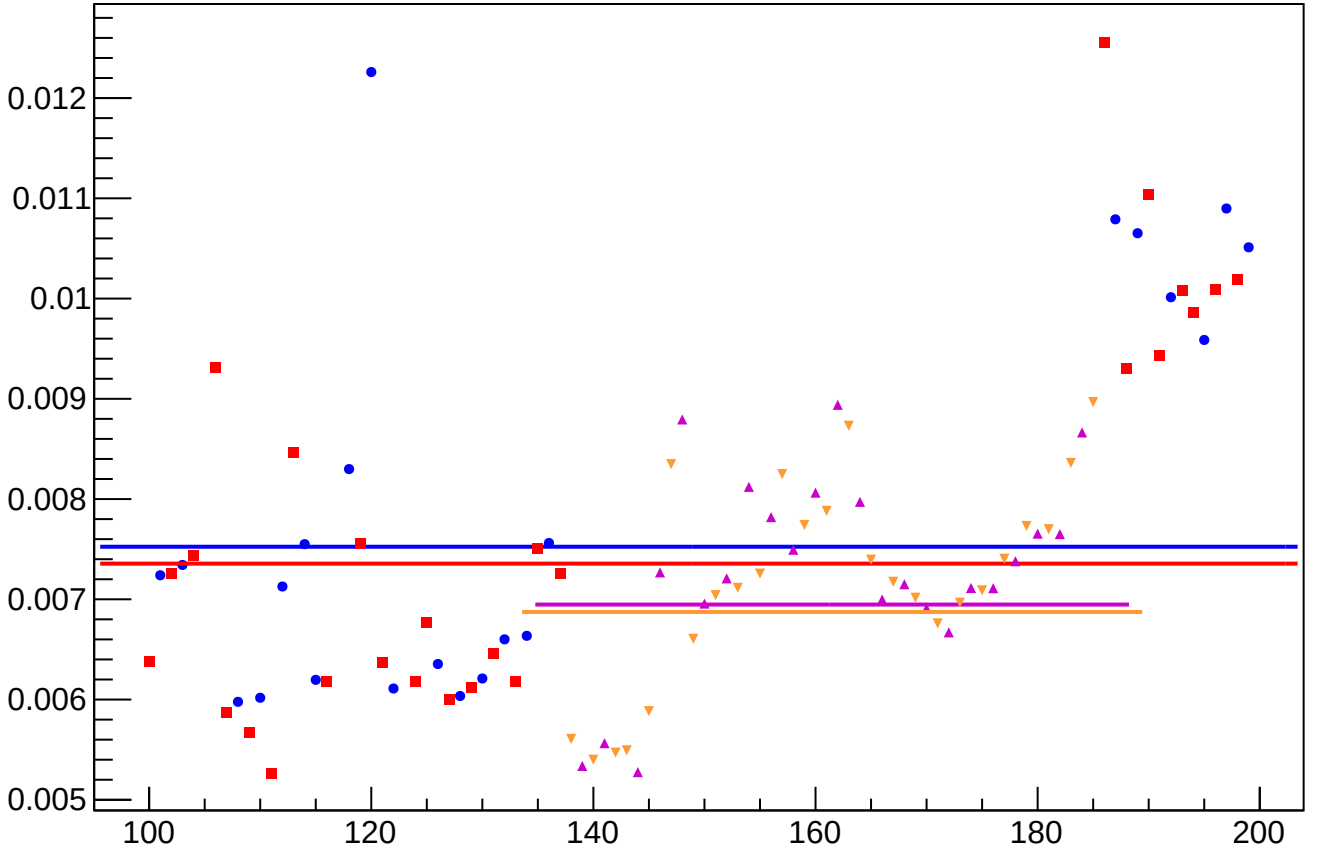
In: 0.003+/-0.000 χ^2/NDF:6914601.5/44

Out: 0.003+/-0.000 χ^2/NDF:7068868.5/51

All: 0.003+/-0.000 χ^2/NDF: 13995935.8/96


yield_bpm0l01X_mean vs Slug, Sign Corrected
0.5
0
−0.5
−1
−1.5
−2
100
120
140
160
180
200
Right In: -1.162+/-0.000 χ²/NDF: 106309021255.0/21
Left Out: -1.484+/-0.000 χ²/NDF:48438764764.6/24
Right Out: -1.247+/-0.000 χ²/NDF: 122717764489.9/26
Left In: -1.483+/-0.000 χ²/NDF:40353431150.9/22
Left: -1.484+/-0.000 χ²/NDF: 88792333216.2/47
Right: -1.208+/-0.000 χ²/NDF: 229729514025.5/48
In: -1.374+/-0.000 χ²/NDF:158984415697.9/44
Out: -1.399+/-0.000 χ²/NDF:178859326765.0/51
All: -1.388+/-0.000 χ²/NDF: 338019220421.5

yield_bpm0l01X_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 1011207.5/21

Left Out: 0.007+/-0.000 χ^2/NDF:745531.3/24

Right Out: 0.007+/-0.000 χ^2/NDF: 1242485.4/26

Left In: 0.007+/-0.000 χ^2/NDF:746731.6/22

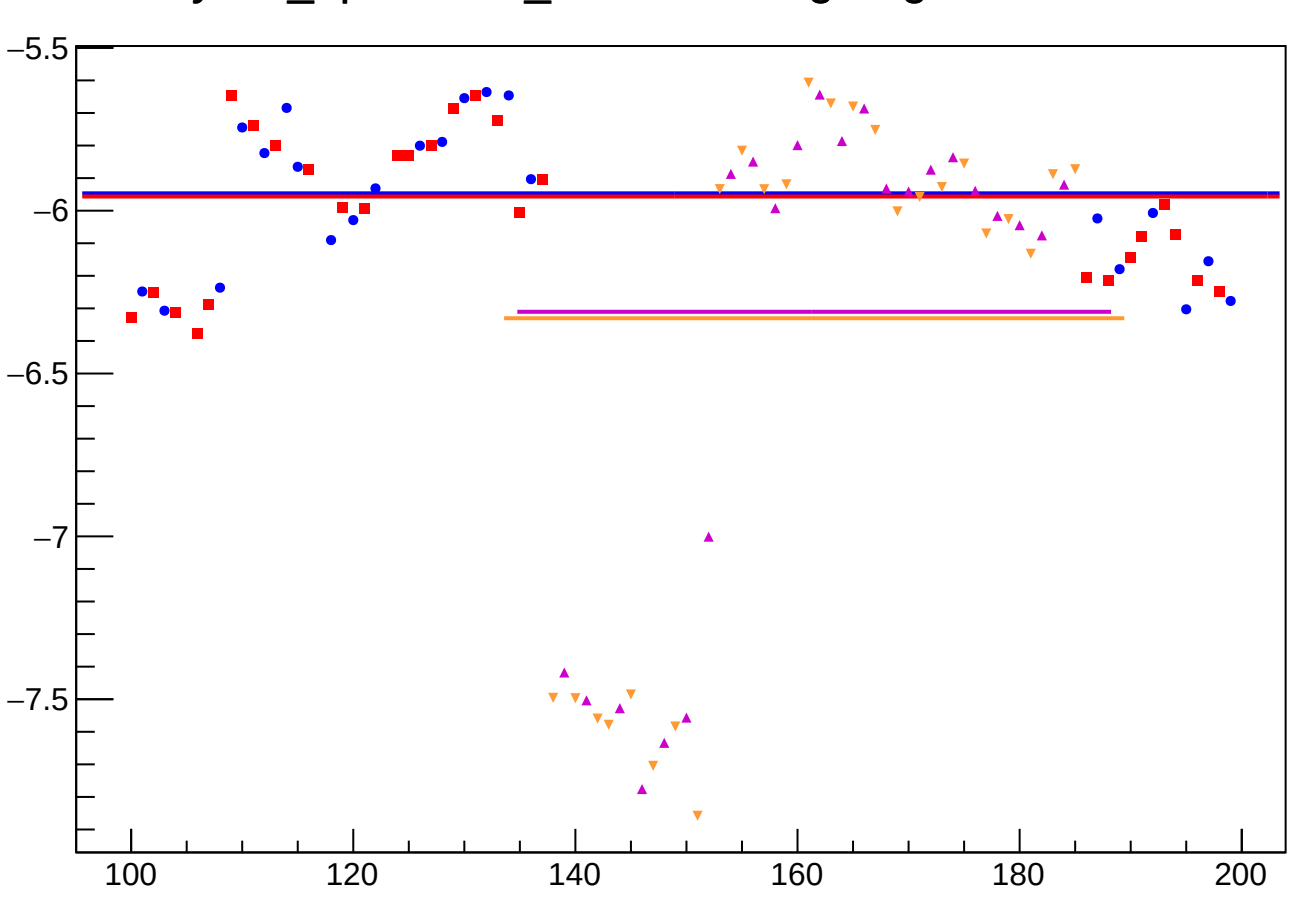
Left: 0.007+/-0.000 χ^2/NDF: 1494256.2/47

Right: 0.007+/-0.000 χ^2/NDF: 2259250.1/48

In: 0.007+/-0.000 χ^2/NDF:1837537.9/44

Out: 0.007+/-0.000 χ^2/NDF:2051694.1/51

All: 0.007+/-0.000 χ^2/NDF: 3894530.0/96



Right In: -5.947+/-0.000 χ^2/NDF: 13435705602.2/21

Left Out: -6.330+/-0.000 χ^2/NDF:110328634370.4/24

Right Out: -5.957+/-0.000 χ^2/NDF: 14217837913.4/26

Left In: -6.310+/-0.000 χ^2/NDF:91689184100.9/22

Left: -6.321+/-0.000 χ^2/NDF: 202054497687.3/47

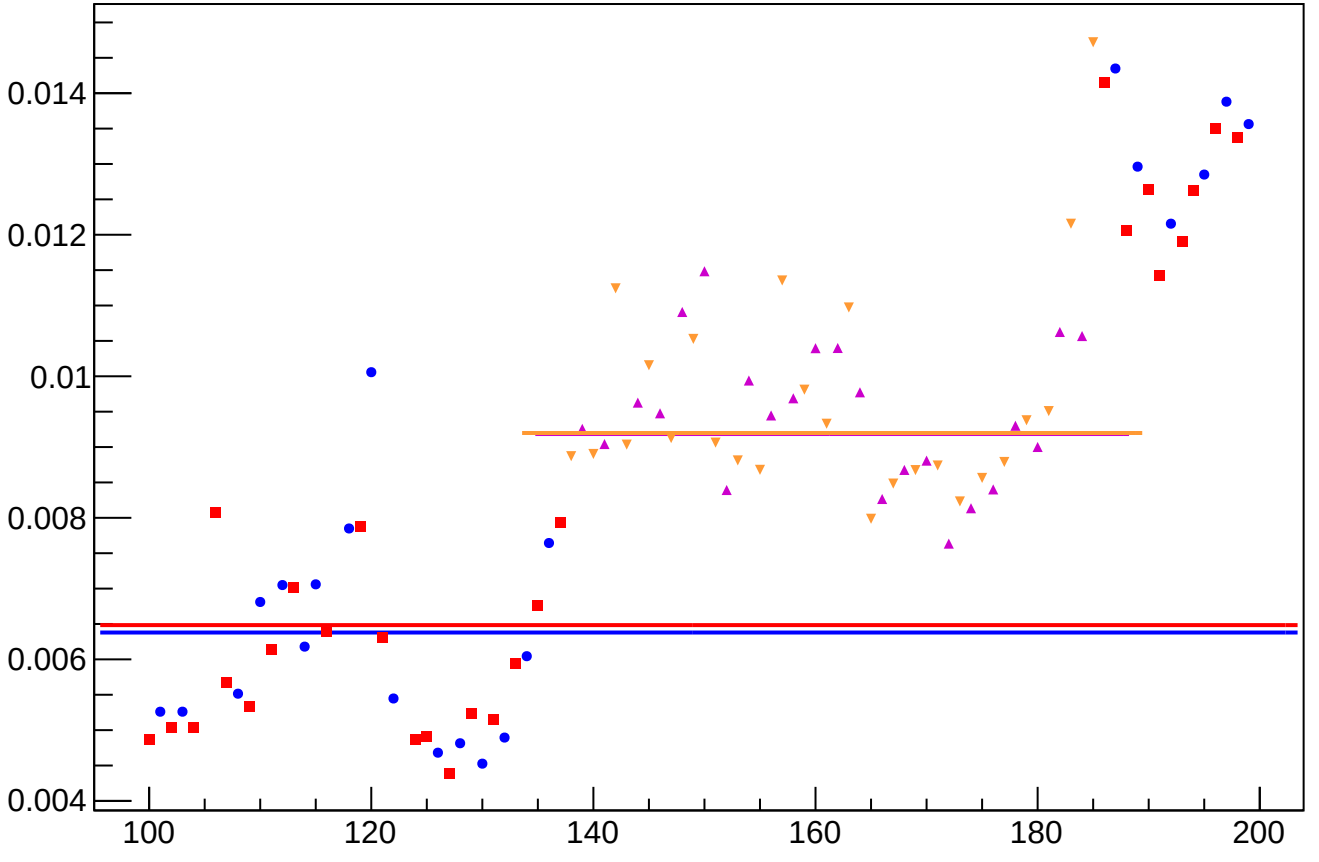
Right: -5.952+/-0.000 χ^2/NDF: 27664566487.4/48

In: -6.111+/-0.000 χ^2/NDF:118386764112.8/44

Out: -6.121+/-0.000 χ^2/NDF:139458770045.1/51

All: -6.116+/-0.000 χ^2/NDF: 257867682508.7

yield_bpm0l01Y_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 2935738.2/21

Left Out: 0.009+/-0.000 χ^2/NDF:367040.4/24

Right Out: 0.006+/-0.000 χ^2/NDF: 3182038.1/26

Left In: 0.009+/-0.000 χ^2/NDF:319063.5/22

Left: 0.009+/-0.000 χ^2/NDF: 686142.8/47

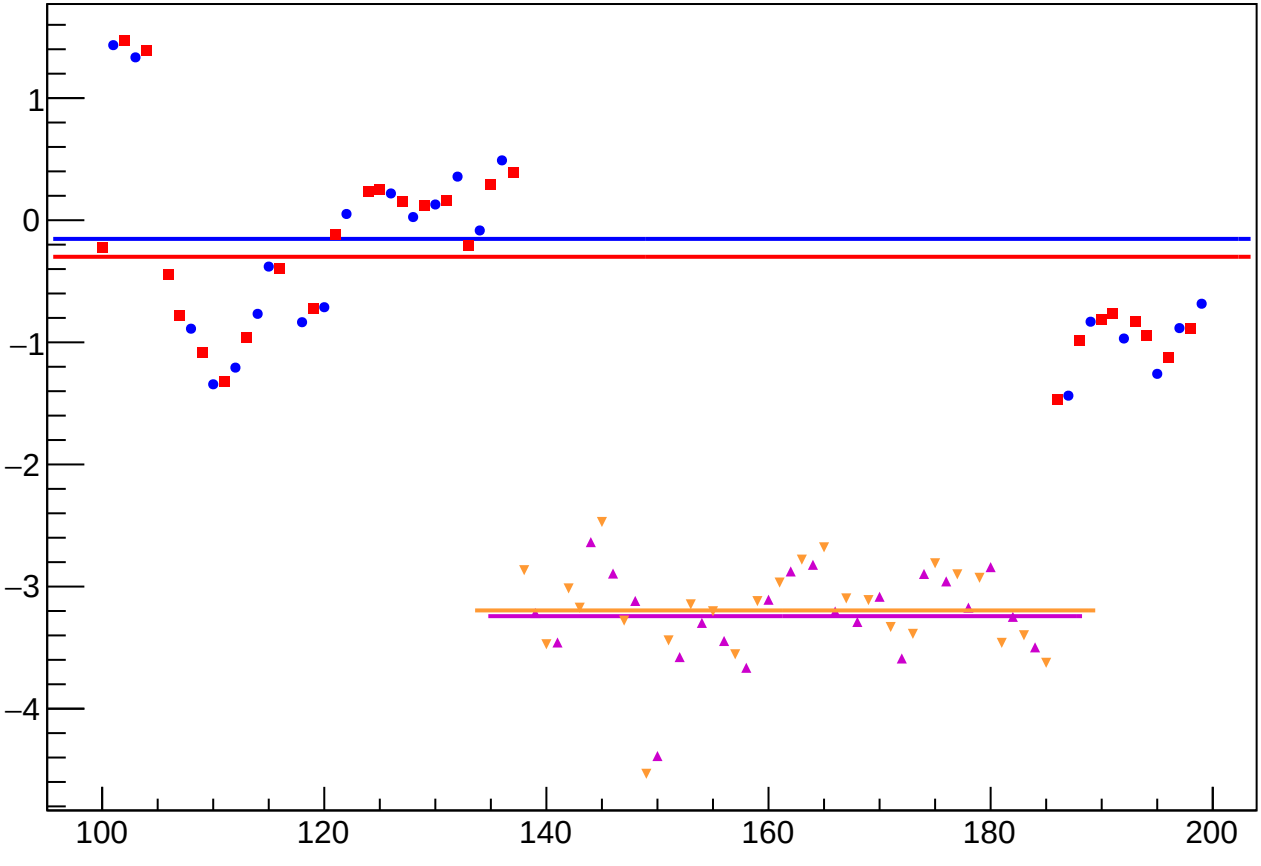
Right: 0.006+/-0.000 χ^2/NDF: 6120320.5/48

In: 0.008+/-0.000 χ^2/NDF:4832664.4/44

Out: 0.008+/-0.000 χ^2/NDF:5122507.0/51

All: 0.008+/-0.000 χ^2/NDF: 9955681.3/96

yield_bpm0l02X_mean vs Slug, Sign Corrected



Right In: -0.153+/-0.000 χ^2/NDF: 30022079980.0/21

Left Out: -3.195+/-0.000 χ^2/NDF:9538006171.4/24

Right Out: -0.299+/-0.000 χ^2/NDF: 33023881112.4/26

Left In: -3.242+/-0.000 χ^2/NDF:7955956403.6/22

Left: -3.218+/-0.000 χ^2/NDF: 17560435430.7/47

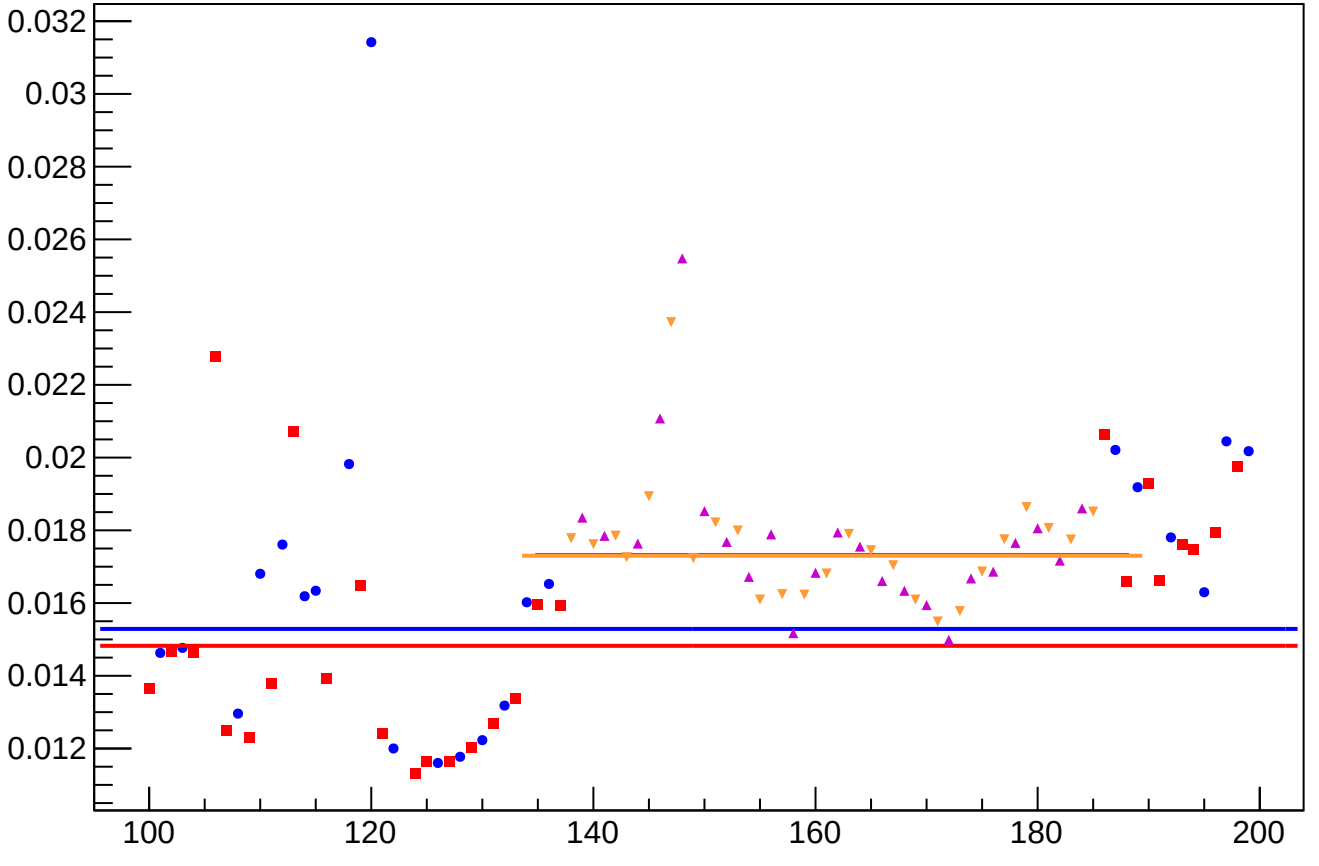
Right: -0.233+/-0.000 χ^2/NDF: 63562752032.7/48

In: -1.916+/-0.000 χ^2/NDF:277321085938.9/44

Out: -1.859+/-0.000 χ^2/NDF:282757967203.8/51

All: -1.886+/-0.000 χ^2/NDF: 560254227974.4

yield_bpm0l02X_rms vs Slug, Sign Corrected



Right In: 0.015+/-0.000 χ^2/NDF: 871549.6/21

Left Out: 0.017+/-0.000 χ^2/NDF:218030.0/24

Right Out: 0.015+/-0.000 χ^2/NDF: 796168.2/26

Left In: 0.017+/-0.000 χ^2/NDF:329879.6/22

Left: 0.017+/-0.000 χ^2/NDF: 547937.7/47

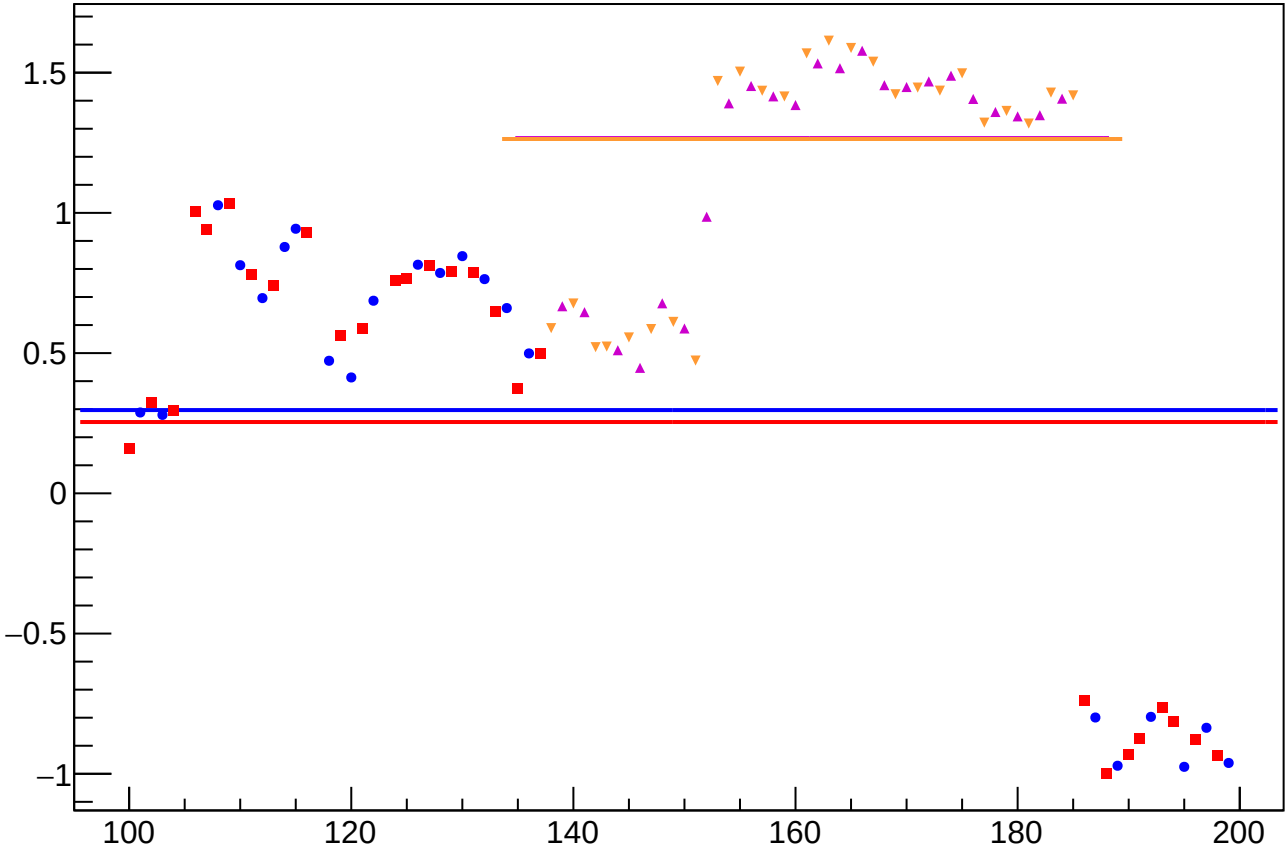
Right: 0.015+/-0.000 χ^2/NDF: 1678096.2/48

In: 0.016+/-0.000 χ^2/NDF:1408902.3/44

Out: 0.016+/-0.000 χ^2/NDF:1365591.8/51

All: 0.016+/-0.000 χ^2/NDF: 2783687.5/96

yield_bpm0l02Y_mean vs Slug, Sign Corrected



Right In: 0.297+/-0.000 χ^2/NDF: 50609045997.0/21

Left Out: 1.263+/-0.000 χ^2/NDF:45594559273.0/24

Right Out: 0.254+/-0.000 χ^2/NDF: 63396794693.5/26

Left In: 1.267+/-0.000 χ^2/NDF:37614918579.9/22

Left: 1.265+/-0.000 χ^2/NDF: 83211392403.2/47

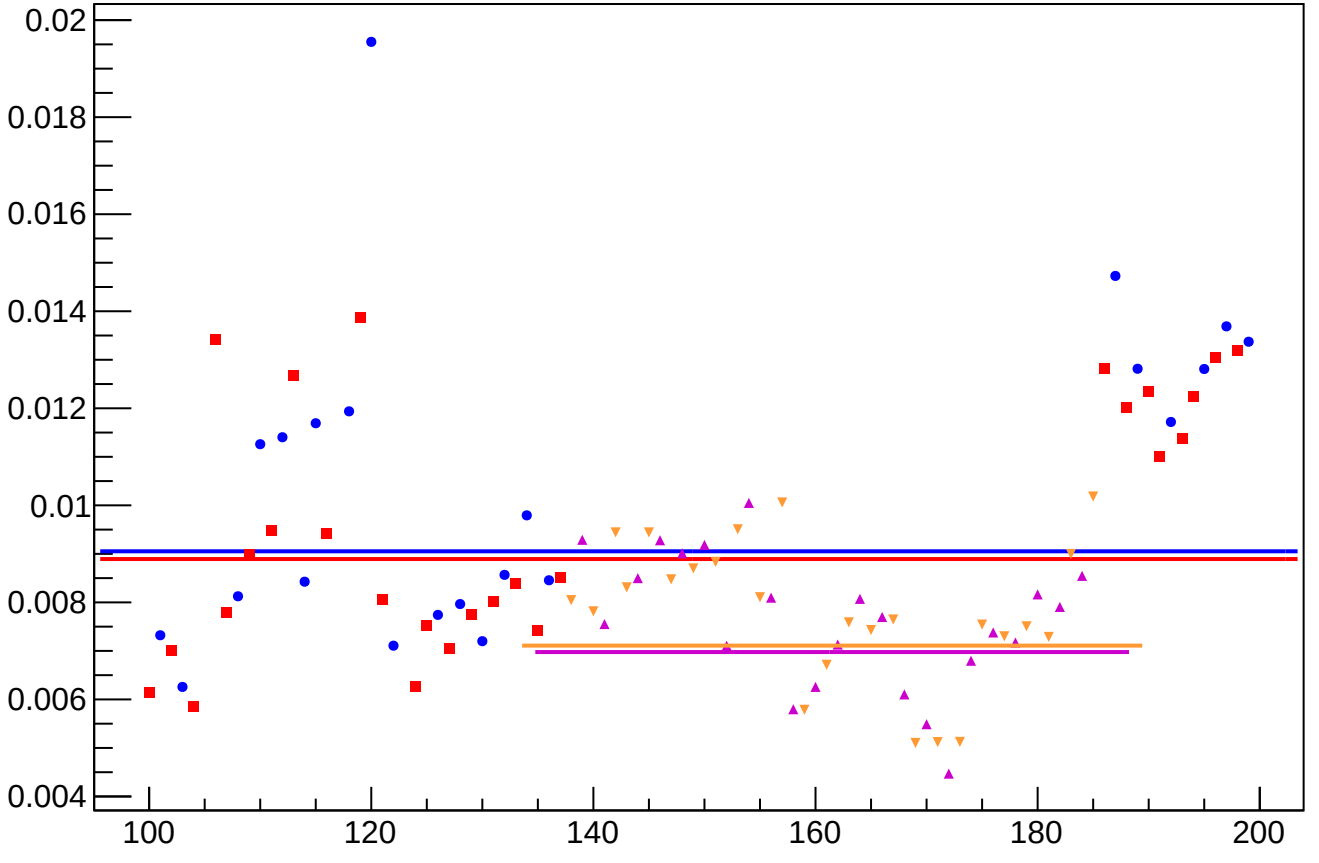
Right: 0.274+/-0.000 χ^2/NDF: 114122467954.9/48

In: 1.011+/-0.000 χ^2/NDF:170986064389.5/44

Out: 0.968+/-0.000 χ^2/NDF:209176498754.8/51

All: 0.989+/-0.000 χ^2/NDF: 380587664724.8

yield_bpm0l02Y_rms vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 1534130.9/21

Left Out: 0.007+/-0.000 χ^2/NDF:1519295.8/24

Right Out: 0.009+/-0.000 χ^2/NDF: 1639929.2/26

Left In: 0.007+/-0.000 χ^2/NDF:1457031.8/22

Left: 0.007+/-0.000 χ^2/NDF: 2982253.4/47

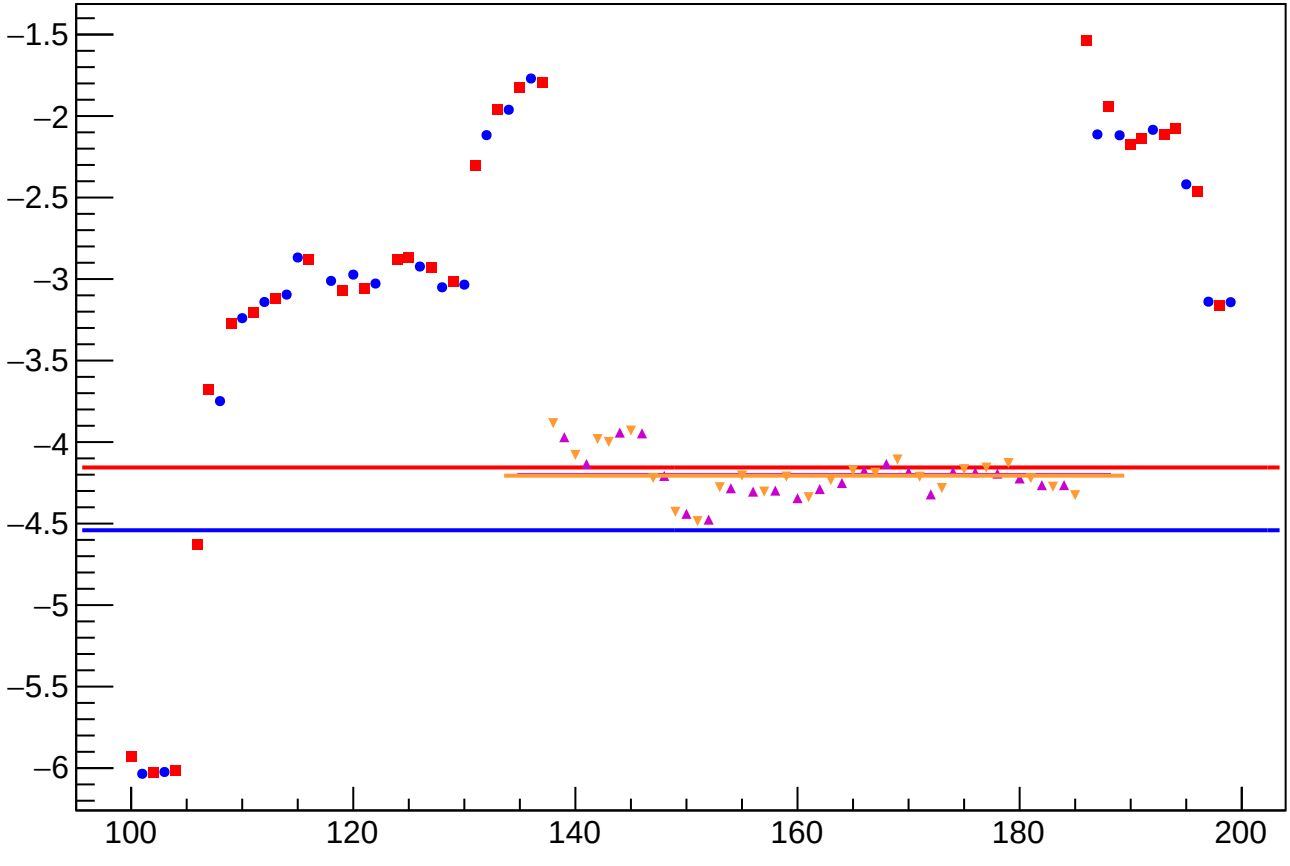
Right: 0.009+/-0.000 χ^2/NDF: 3177331.1/48

In: 0.008+/-0.000 χ^2/NDF:3749924.2/44

Out: 0.008+/-0.000 χ^2/NDF:3785504.5/51

All: 0.008+/-0.000 χ^2/NDF: 7540772.1/96

yield_bpm0l03X_mean vs Slug, Sign Corrected



Right In: -4.541+/-0.000 χ^2/NDF: 258077273375.5/21

Left Out: -4.206+/-0.000 χ^2/NDF:61558336.8/24

Right Out: -4.156+/-0.000 χ^2/NDF: 294208103298.9/26

Left In: -4.202+/-0.000 χ^2/NDF:42747893.4/22

Left: -4.203+/-0.000 χ^2/NDF: 104337107.5/47

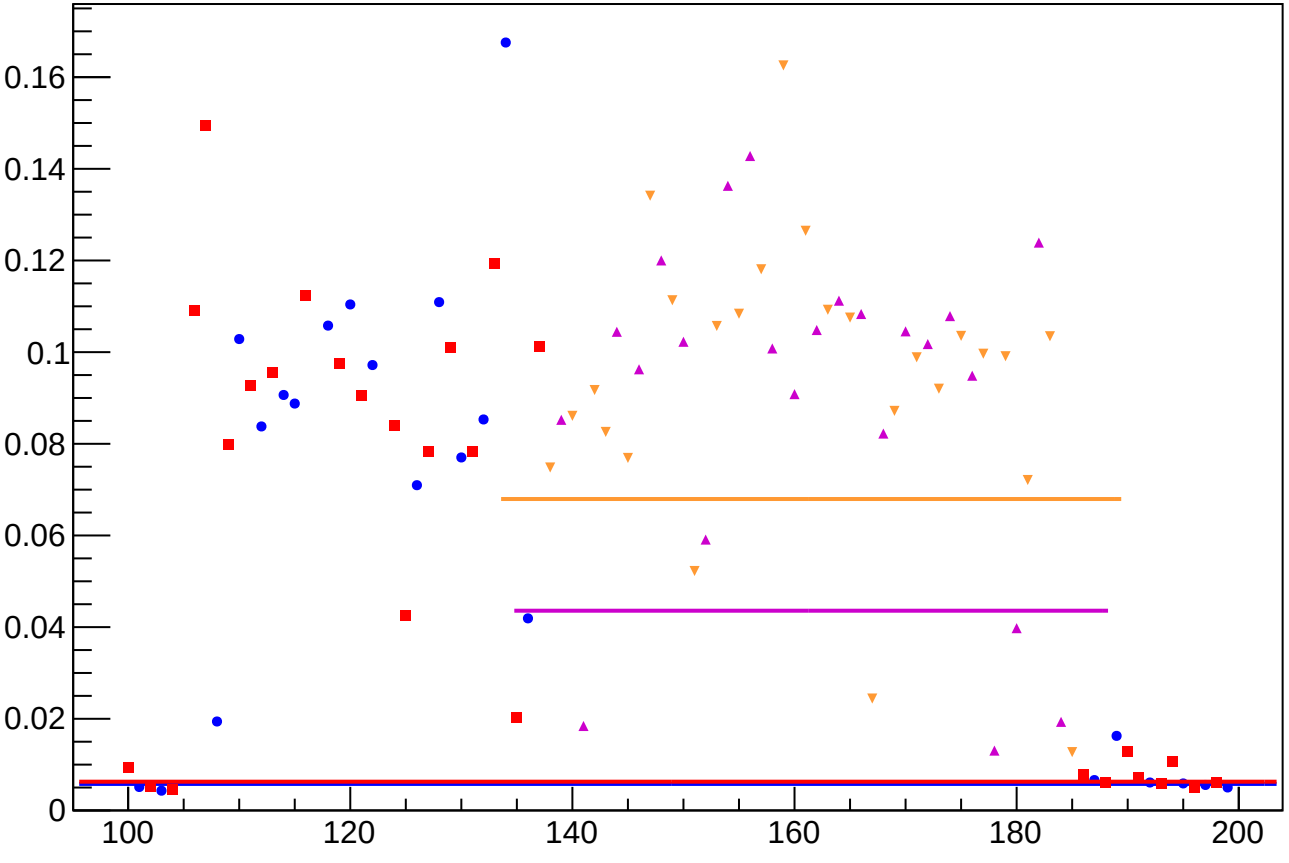
Right: -4.359+/-0.000 χ^2/NDF: 558712715013.1/48

In: -4.526+/-0.000 χ^2/NDF:258570669084.7/44

Out: -4.157+/-0.000 χ^2/NDF:294276185093.3/51

All: -4.353+/-0.000 χ^2/NDF: 558973411984.

yield_bpm0l03X_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 8818854.6/21

Left Out: 0.068+/-0.000 χ^2/NDF:7631751.0/24

Right Out: 0.006+/-0.000 χ^2/NDF: 8911924.5/26

Left In: 0.044+/-0.000 χ^2/NDF:12761920.2/22

Left: 0.053+/-0.000 χ^2/NDF: 22308835.8/47

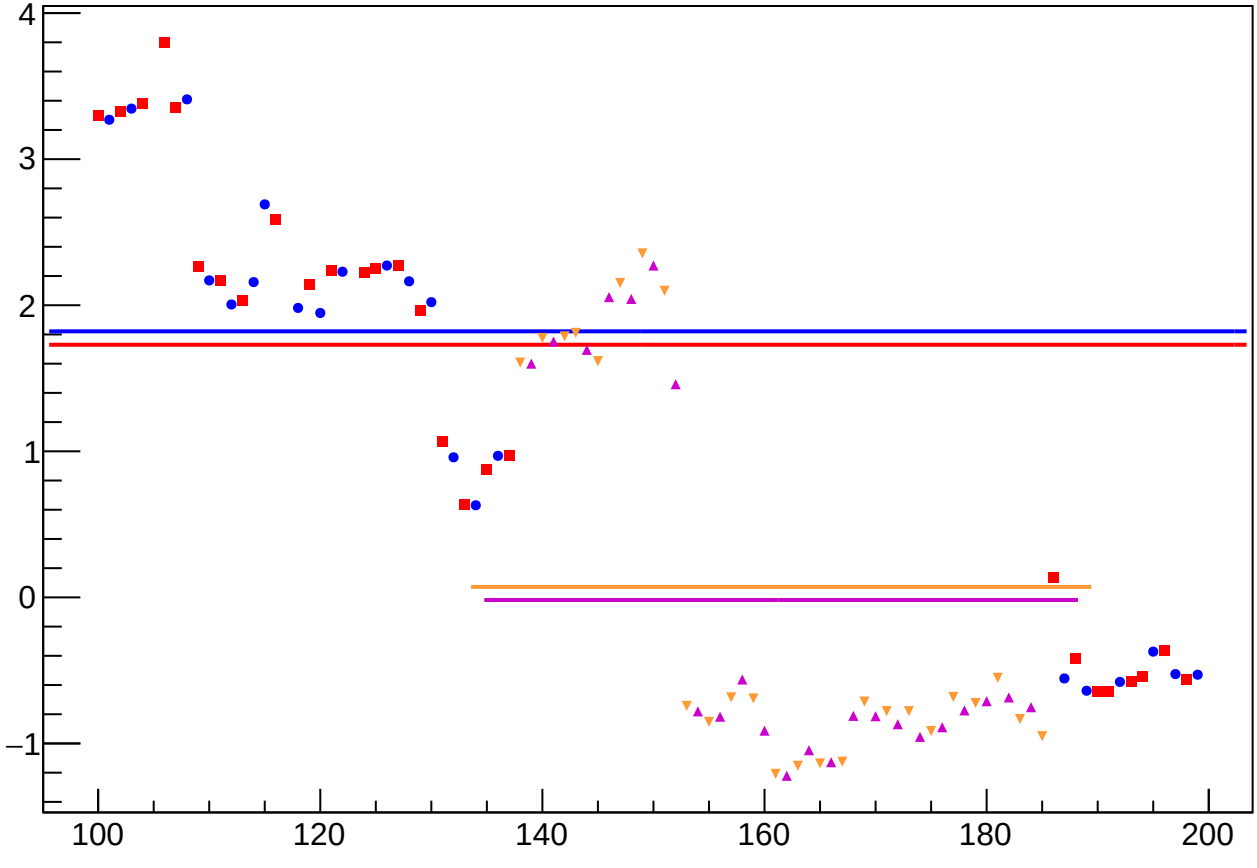
Right: 0.006+/-0.000 χ^2/NDF: 17751271.7/48

In: 0.007+/-0.000 χ^2/NDF:32768224.5/44

Out: 0.008+/-0.000 χ^2/NDF:36154135.2/51

All: 0.008+/-0.000 χ^2/NDF: 68979956.7/96

yield_bpm0l03Y_mean vs Slug, Sign Corrected



Right In: 1.821+/-0.000 χ^2/NDF: 171377900138.6/21

Left Out: 0.072+/-0.000 χ^2/NDF:3635027099.6/24

Right Out: 1.730+/-0.000 χ^2/NDF: 175419460245.0/26

Left In: -0.018+/-0.000 χ^2/NDF:3455714643.1/22

Left: 0.024+/-0.000 χ^2/NDF: 7099580100.2/47

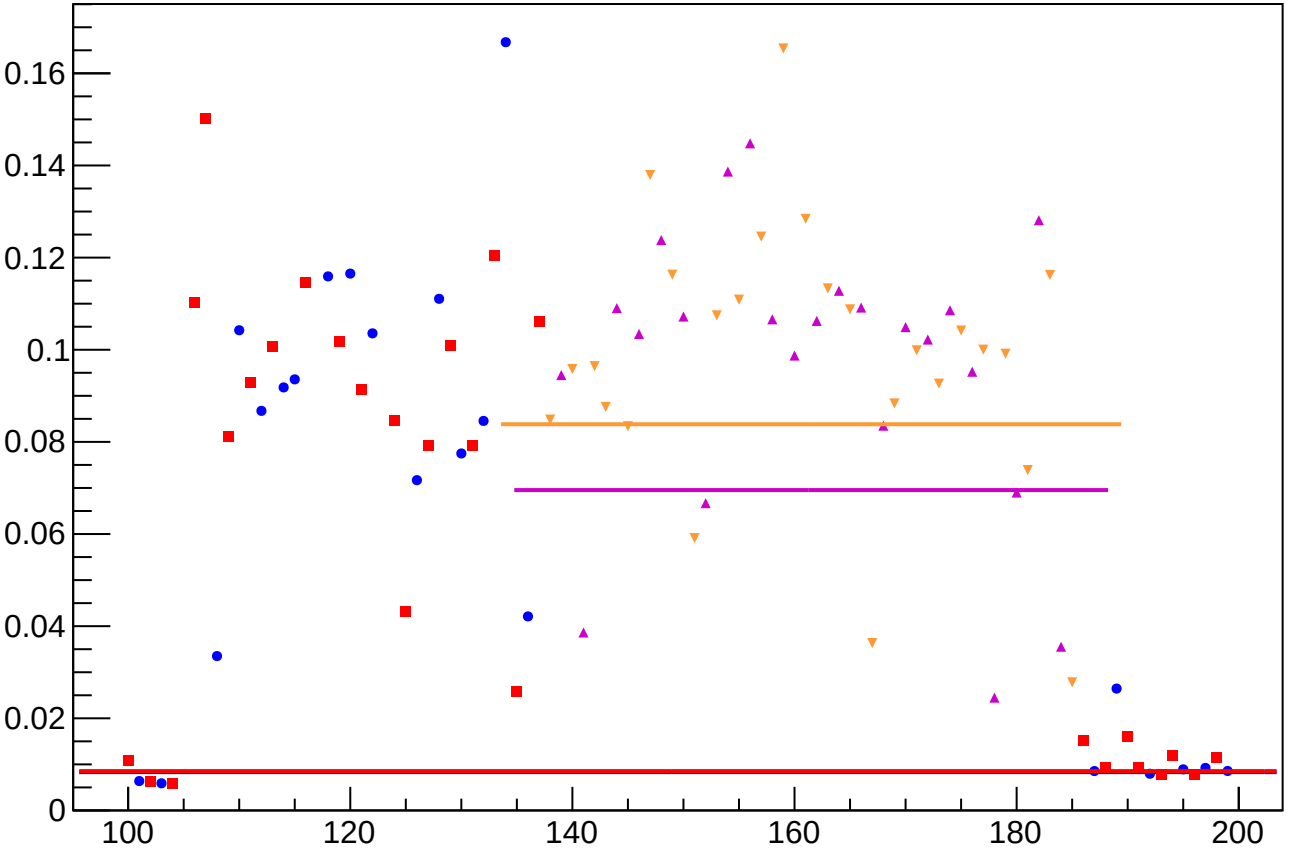
Right: 1.775+/-0.000 χ^2/NDF: 347008606481.9/48

In: 1.738+/-0.000 χ^2/NDF:182513331399.8/44

Out: 1.664+/-0.000 χ^2/NDF:184486643845.9/51

All: 1.701+/-0.000 χ^2/NDF: 367142998658.3

yield_bpm0l03Y_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 8587136.0/21

Left Out: 0.084+/-0.000 χ^2/NDF:3830160.2/24

Right Out: 0.009+/-0.000 χ^2/NDF: 8754828.3/26

Left In: 0.070+/-0.000 χ^2/NDF:6697383.9/22

Left: 0.076+/-0.000 χ^2/NDF: 10977959.7/47

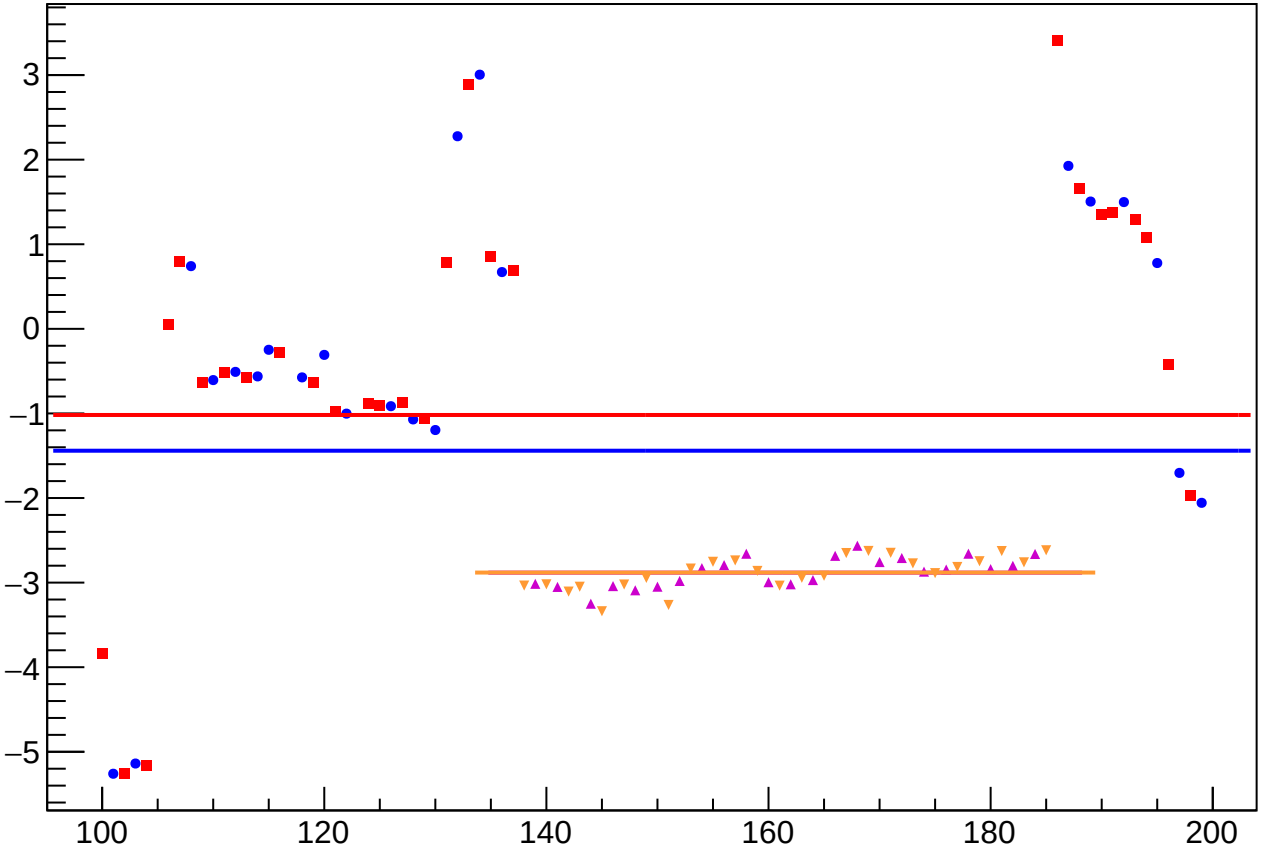
Right: 0.008+/-0.000 χ^2/NDF: 17344305.0/48

In: 0.011+/-0.000 χ^2/NDF:32302336.9/44

Out: 0.012+/-0.000 χ^2/NDF:34992463.2/51

All: 0.011+/-0.000 χ^2/NDF: 67303761.6/96

yield_bpm0l04X_mean vs Slug, Sign Corrected



Right In: -1.441+/-0.000 χ^2/NDF: 206802200715.7/21

Left Out: -2.881+/-0.000 χ^2/NDF:10553050715.1/24

Right Out: -1.018+/-0.000 χ^2/NDF: 231237354123.6/26

Left In: -2.882+/-0.000 χ^2/NDF:8300047325.0/22

Left: -2.882+/-0.000 χ^2/NDF: 18853297310.6/47

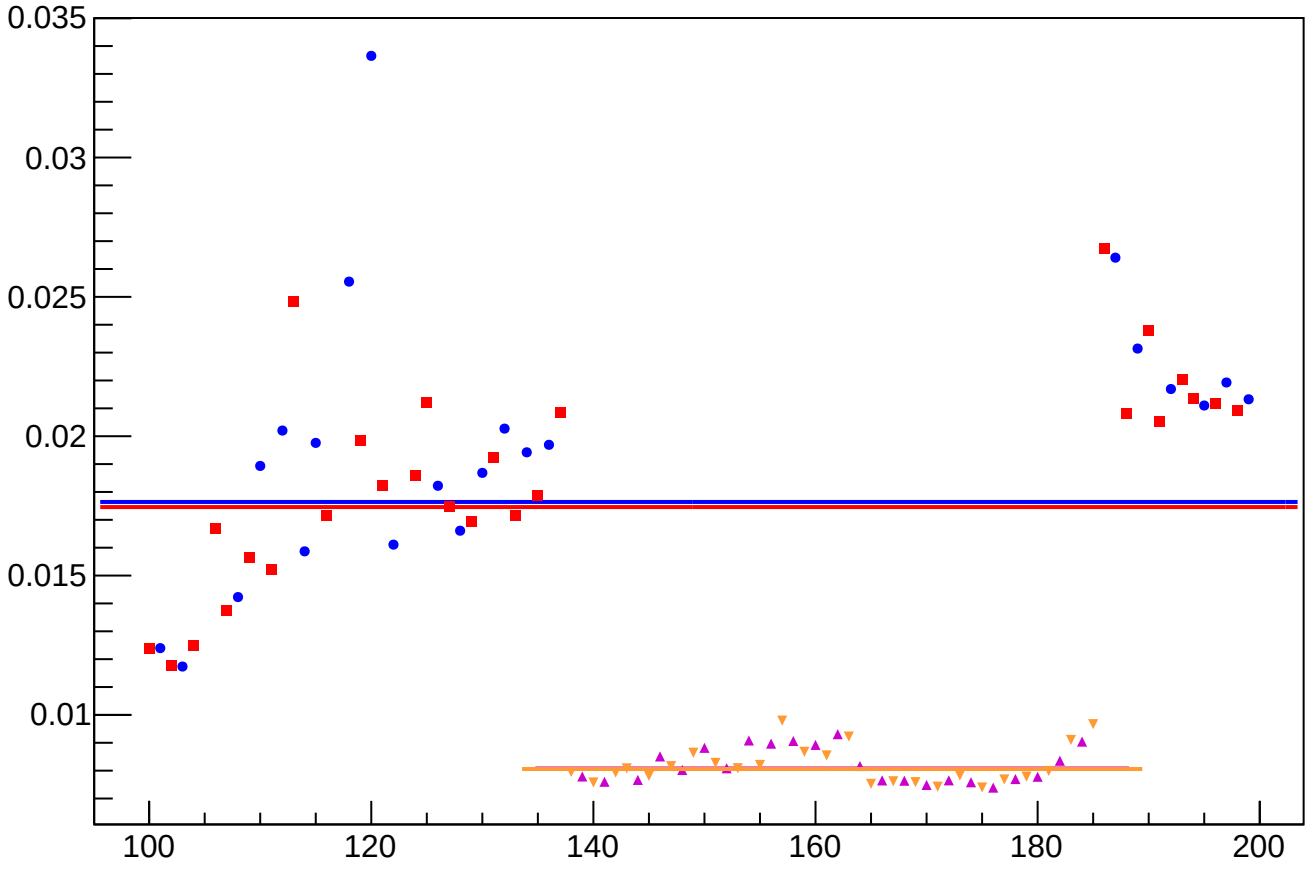
Right: -1.213+/-0.000 χ^2/NDF: 441068132251.8/48

In: -2.731+/-0.000 χ^2/NDF:273529365876.7/44

Out: -2.667+/-0.000 χ^2/NDF:355092083205.7/51

All: -2.698+/-0.000 χ^2/NDF: 629253796233.0

yield_bpm0l04X_rms vs Slug, Sign Corrected



Right In: 0.018+/-0.000 χ^2/NDF: 1173587.8/21

Left Out: 0.008+/-0.000 χ^2/NDF:185446.1/24

Right Out: 0.017+/-0.000 χ^2/NDF: 1075329.0/26

Left In: 0.008+/-0.000 χ^2/NDF:181843.4/22

Left: 0.008+/-0.000 χ^2/NDF: 367394.9/47

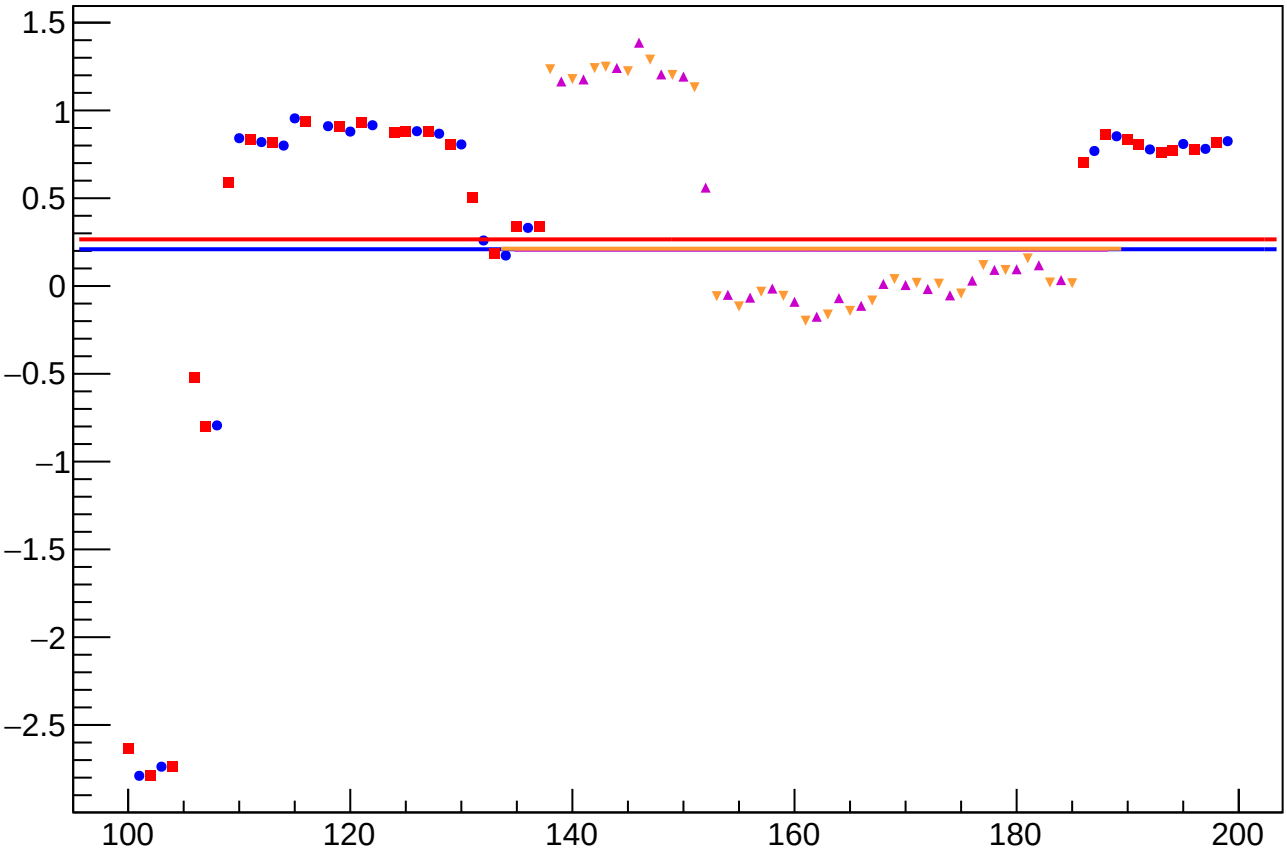
Right: 0.018+/-0.000 χ^2/NDF: 2250059.0/48

In: 0.009+/-0.000 χ^2/NDF:6497655.7/44

Out: 0.009+/-0.000 χ^2/NDF:7029353.0/51

All: 0.009+/-0.000 χ^2/NDF: 13527990.8/96

yield_bpm0l04Y_mean vs Slug, Sign Corrected



Right In: 0.209+/-0.000 χ^2/NDF: 923883157180.6/21

Left Out: 0.213+/-0.000 χ^2/NDF:102819241186.2/24

Right Out: 0.266+/-0.000 χ^2/NDF: 1017562810439.6/26

Left In: 0.207+/-0.000 χ^2/NDF:87109076861.7/22

Left: 0.210+/-0.000 χ^2/NDF: 189934243300.6/47

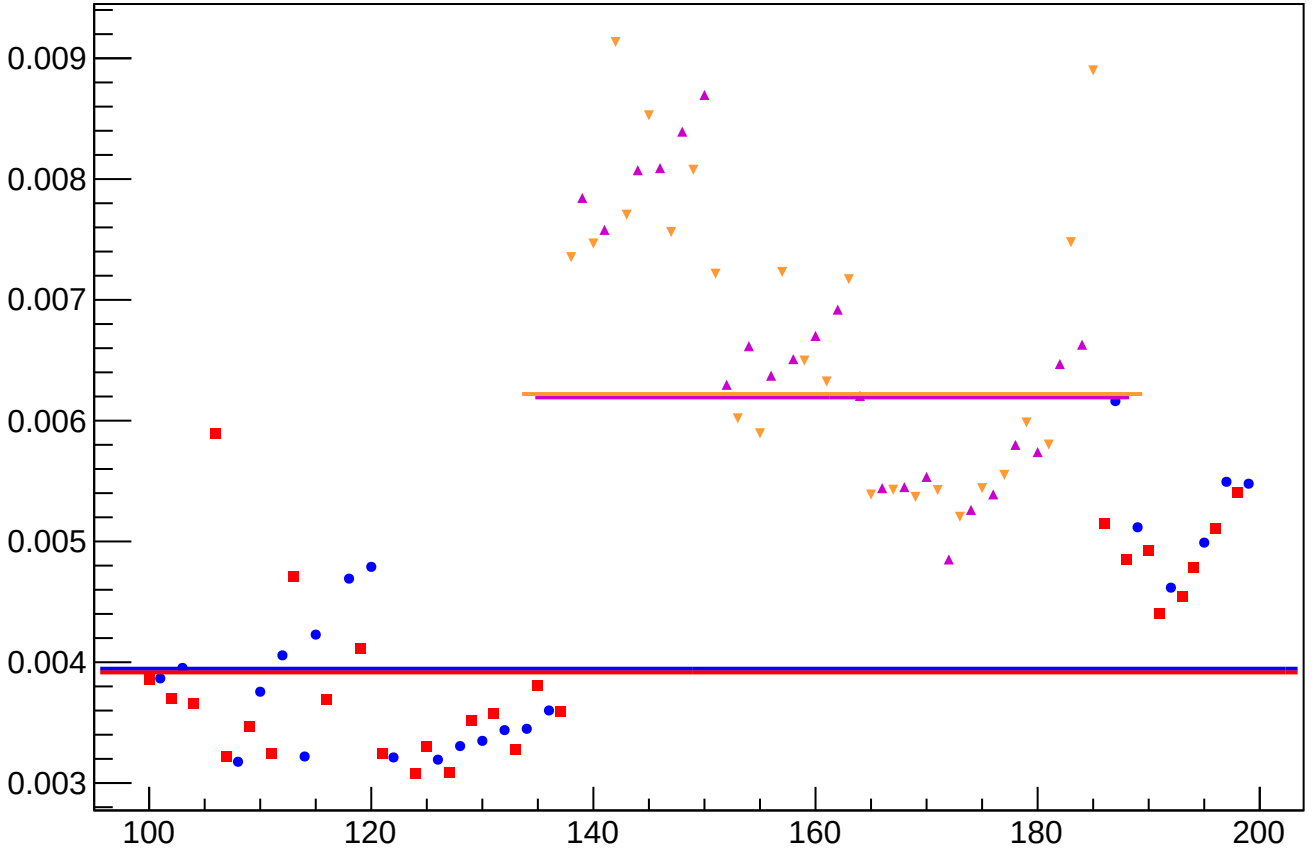
Right: 0.239+/-0.000 χ^2/NDF: 1942589074888.9/48

In: 0.209+/-0.000 χ^2/NDF:1010993236329.4/44

Out: 0.247+/-0.000 χ^2/NDF:1121156842247.0/51

All: 0.229+/-0.000 χ^2/NDF: 2132978836266.

yield_bpm0l04Y_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 785979.5/21

Left Out: 0.006+/-0.000 χ^2/NDF:813678.9/24

Right Out: 0.004+/-0.000 χ^2/NDF: 825025.4/26

Left In: 0.006+/-0.000 χ^2/NDF:816234.4/22

Left: 0.006+/-0.000 χ^2/NDF: 1630235.5/47

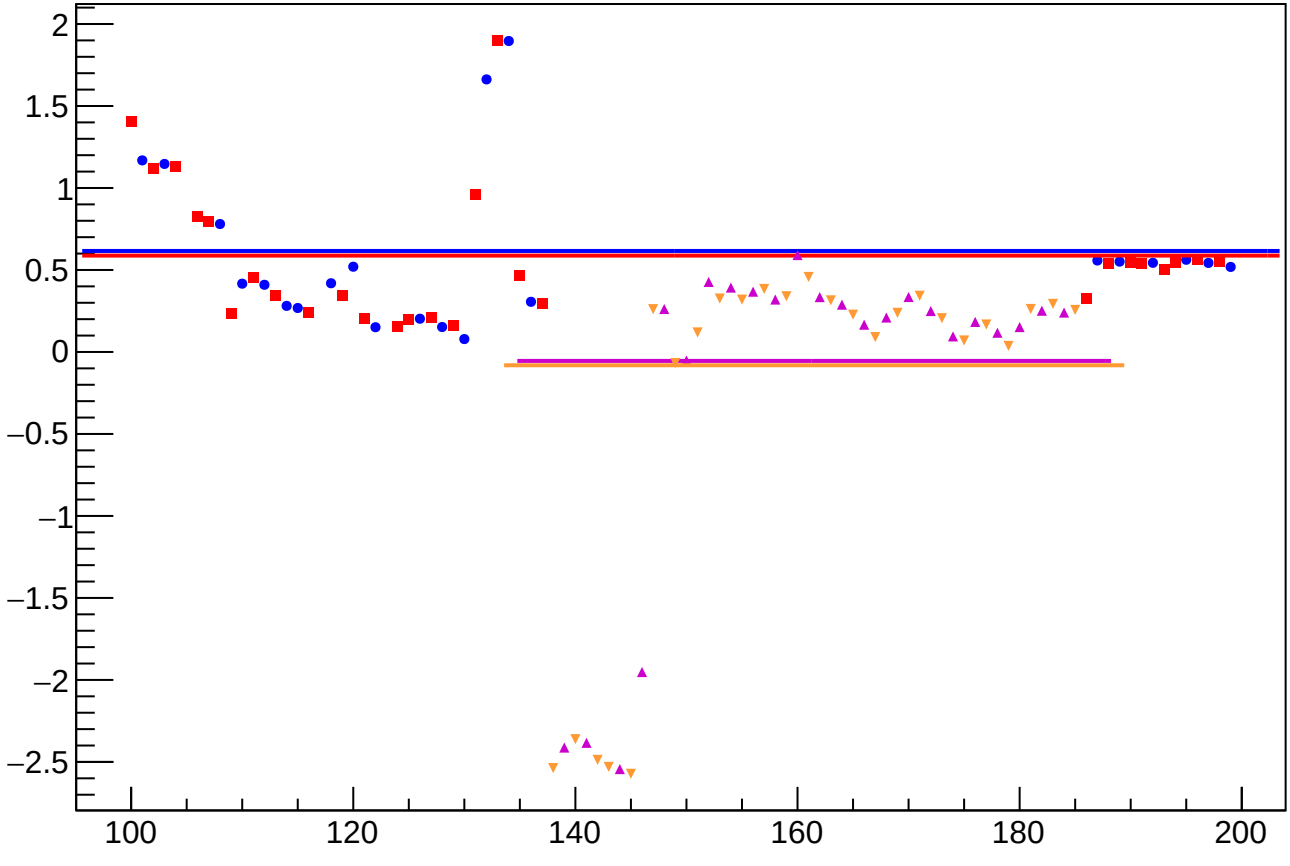
Right: 0.004+/-0.000 χ^2/NDF: 1611669.8/48

In: 0.005+/-0.000 χ^2/NDF:4193746.2/44

Out: 0.005+/-0.000 χ^2/NDF:4573333.6/51

All: 0.005+/-0.000 χ^2/NDF: 8770636.7/96

yield_bpm0l05X_mean vs Slug, Sign Corrected



Right In: 0.616+/-0.000 χ^2/NDF: 43228992788.8/21

Left Out: -0.081+/-0.000 χ^2/NDF:388332231902.9/24

Right Out: 0.588+/-0.000 χ^2/NDF: 43426447543.4/26

Left In: -0.055+/-0.000 χ^2/NDF:347072248163.0/22

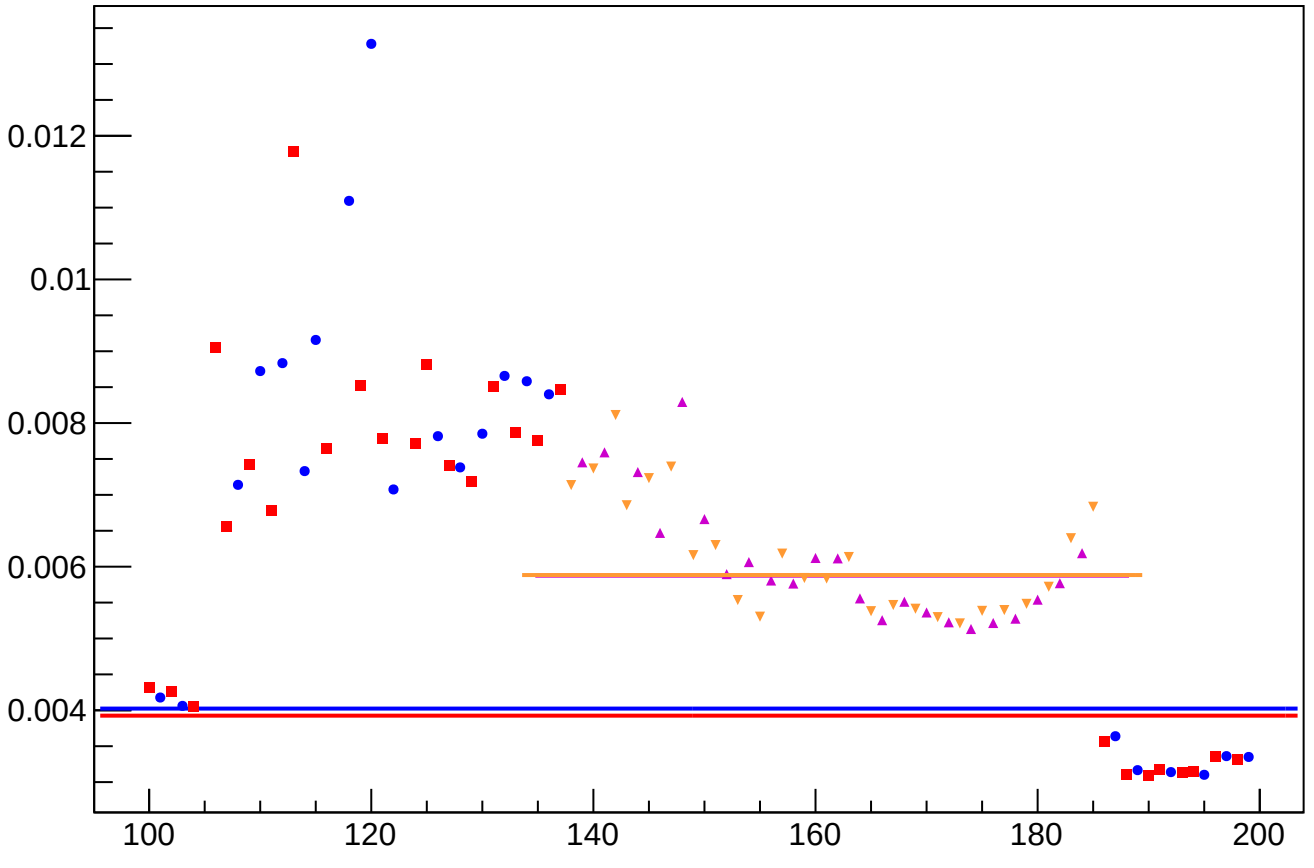
Left: -0.068+/-0.000 χ^2/NDF: 735579885262.1/47

Right: 0.601+/-0.000 χ^2/NDF: 86891352936.4/48

In: 0.300+/-0.000 χ^2/NDF:505411715154.5/44

Out: 0.296+/-0.000 χ^2/NDF:559711760634.4/51

All: 0.298+/-0.000 χ^2/NDF: 1065129113401.



Right In: 0.004+/-0.000 χ^2/NDF: 3310251.9/21

Left Out: 0.006+/-0.000 χ^2/NDF:457789.1/24

Right Out: 0.004+/-0.000 χ^2/NDF: 3316216.4/26

Left In: 0.006+/-0.000 χ^2/NDF:521878.3/22

Left: 0.006+/-0.000 χ^2/NDF: 979706.0/47

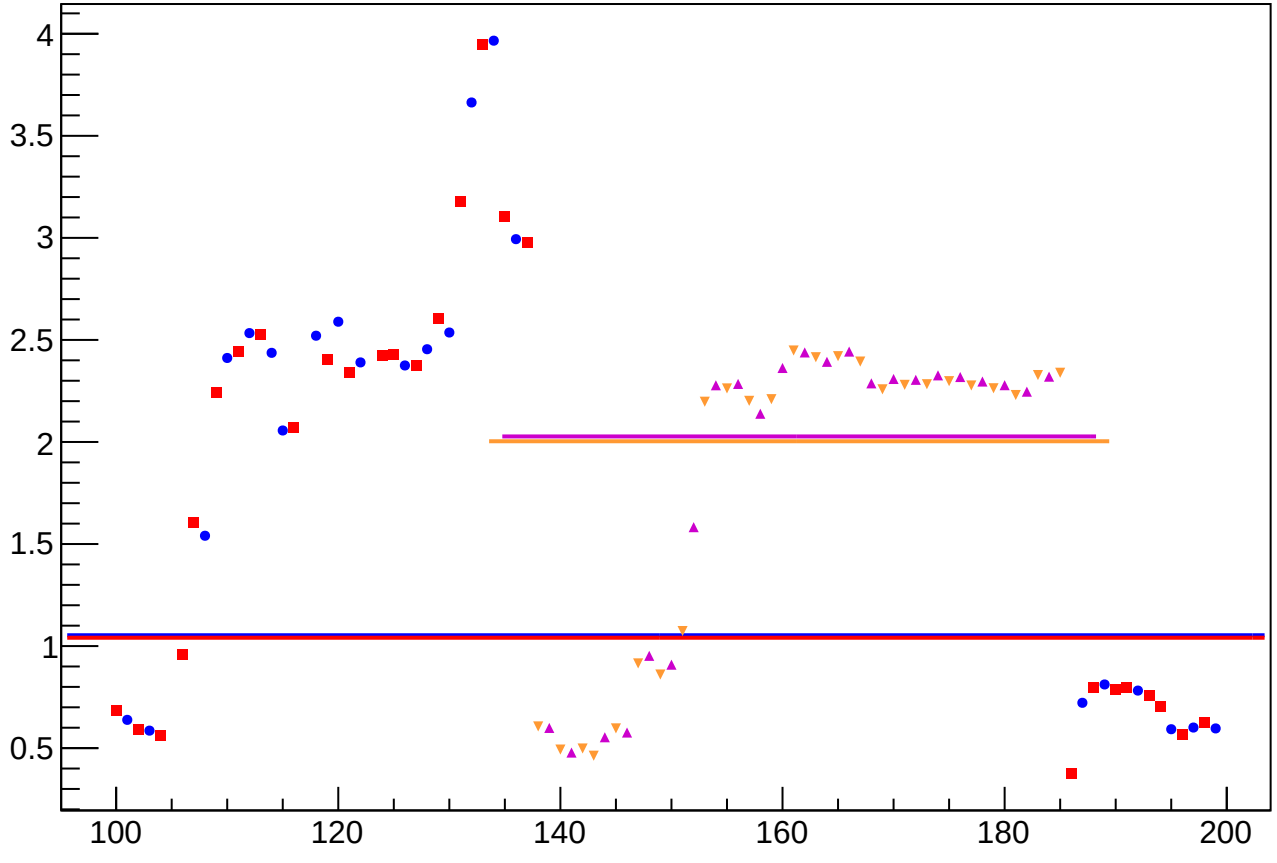
Right: 0.004+/-0.000 χ^2/NDF: 6632230.2/48

In: 0.005+/-0.000 χ^2/NDF:5585925.0/44

Out: 0.005+/-0.000 χ^2/NDF:5966384.1/51

All: 0.005+/-0.000 χ^2/NDF: 11567693.9/96

yield_bpm0l05Y_mean vs Slug, Sign Corrected



Right In: 1.053+/-0.000 χ^2/NDF: 217141453336.8/21

Left Out: 2.004+/-0.000 χ^2/NDF:219172813454.7/24

Right Out: 1.041+/-0.000 χ^2/NDF: 247881774295.6/26

Left In: 2.027+/-0.000 χ^2/NDF:194461333084.6/22

Left: 2.015+/-0.000 χ^2/NDF: 413784920453.7/47

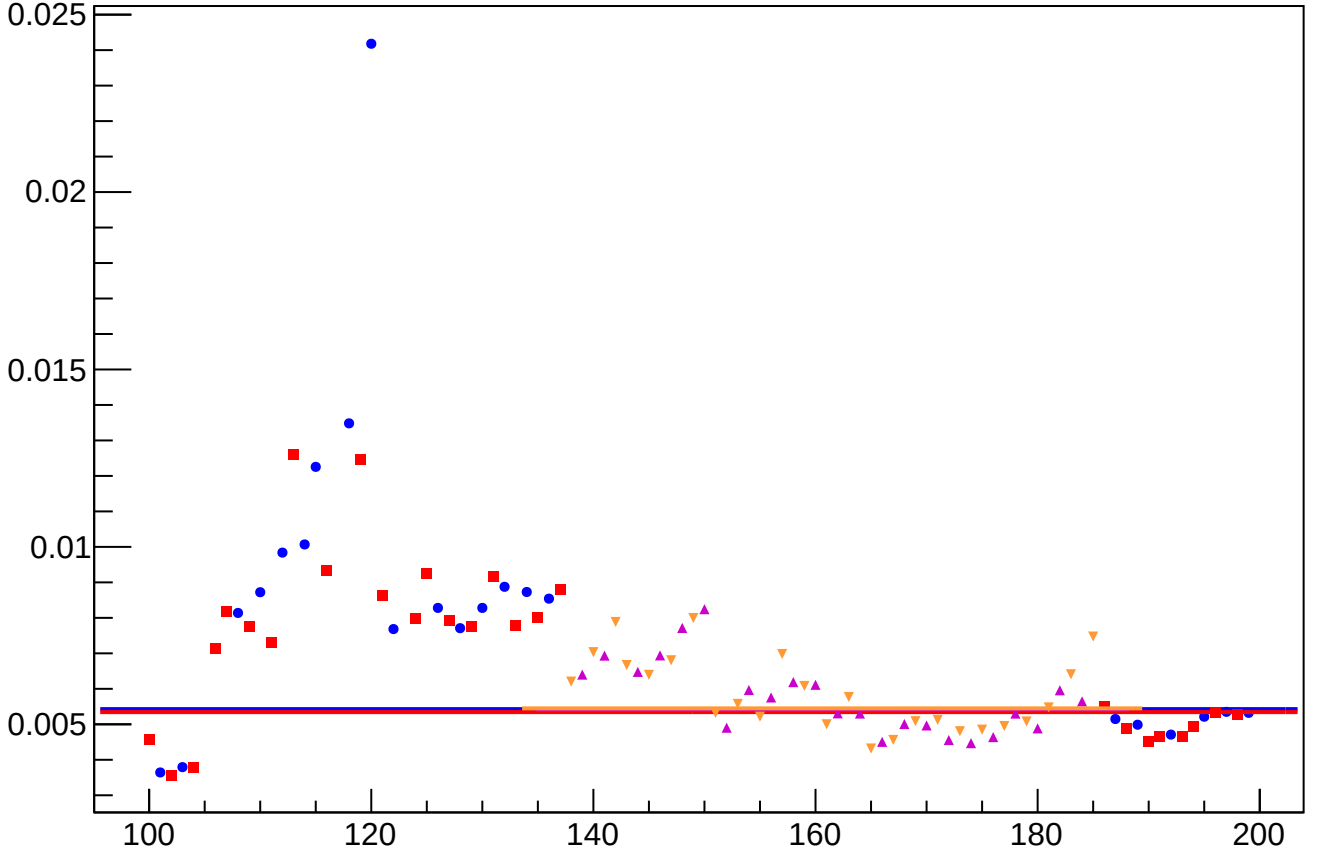
Right: 1.046+/-0.000 χ^2/NDF: 465048270514.3/48

In: 1.669+/-0.000 χ^2/NDF:596833787460.6/44

Out: 1.618+/-0.000 χ^2/NDF:671684334919.3/51

All: 1.643+/-0.000 χ^2/NDF: 1269667994436.

yield_bpm0l05Y_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 2306926.5/21

Left Out: 0.005+/-0.000 χ^2/NDF:771417.6/24

Right Out: 0.005+/-0.000 χ^2/NDF: 2124412.7/26

Left In: 0.005+/-0.000 χ^2/NDF:815136.5/22

Left: 0.005+/-0.000 χ^2/NDF: 1587605.4/47

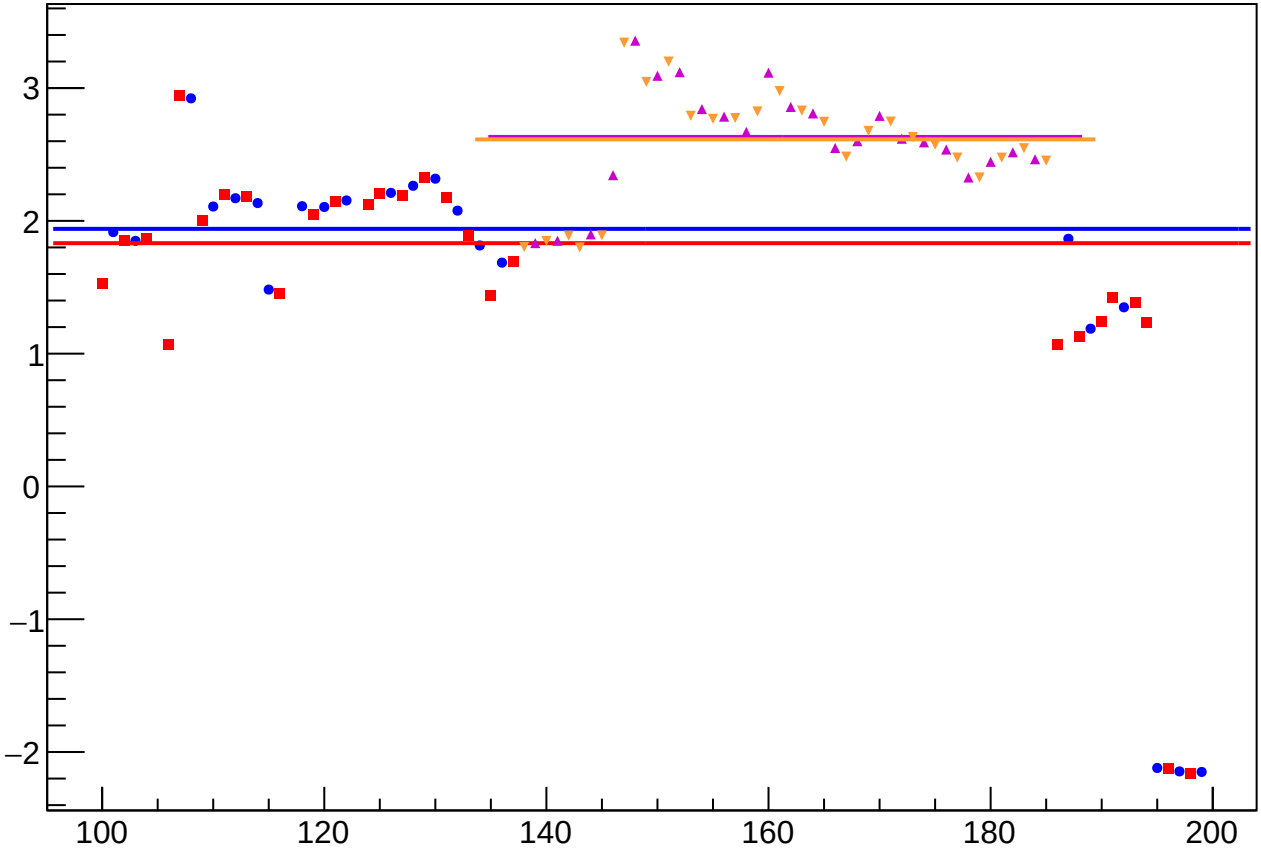
Right: 0.005+/-0.000 χ^2/NDF: 4433736.8/48

In: 0.005+/-0.000 χ^2/NDF:3122270.2/44

Out: 0.005+/-0.000 χ^2/NDF:2900748.5/51

All: 0.005+/-0.000 χ^2/NDF: 6023057.5/96

yield_bpm0l06X_mean vs Slug, Sign Corrected



Right In: 1.940+/-0.000 χ^2/NDF: 80284271713.3/21

Left Out: 2.614+/-0.000 χ^2/NDF:46402554271.4/24

Right Out: 1.832+/-0.000 χ^2/NDF: 71301734077.0/26

Left In: 2.632+/-0.000 χ^2/NDF:40551967819.7/22

Left: 2.623+/-0.000 χ^2/NDF: 87009327498.9/47

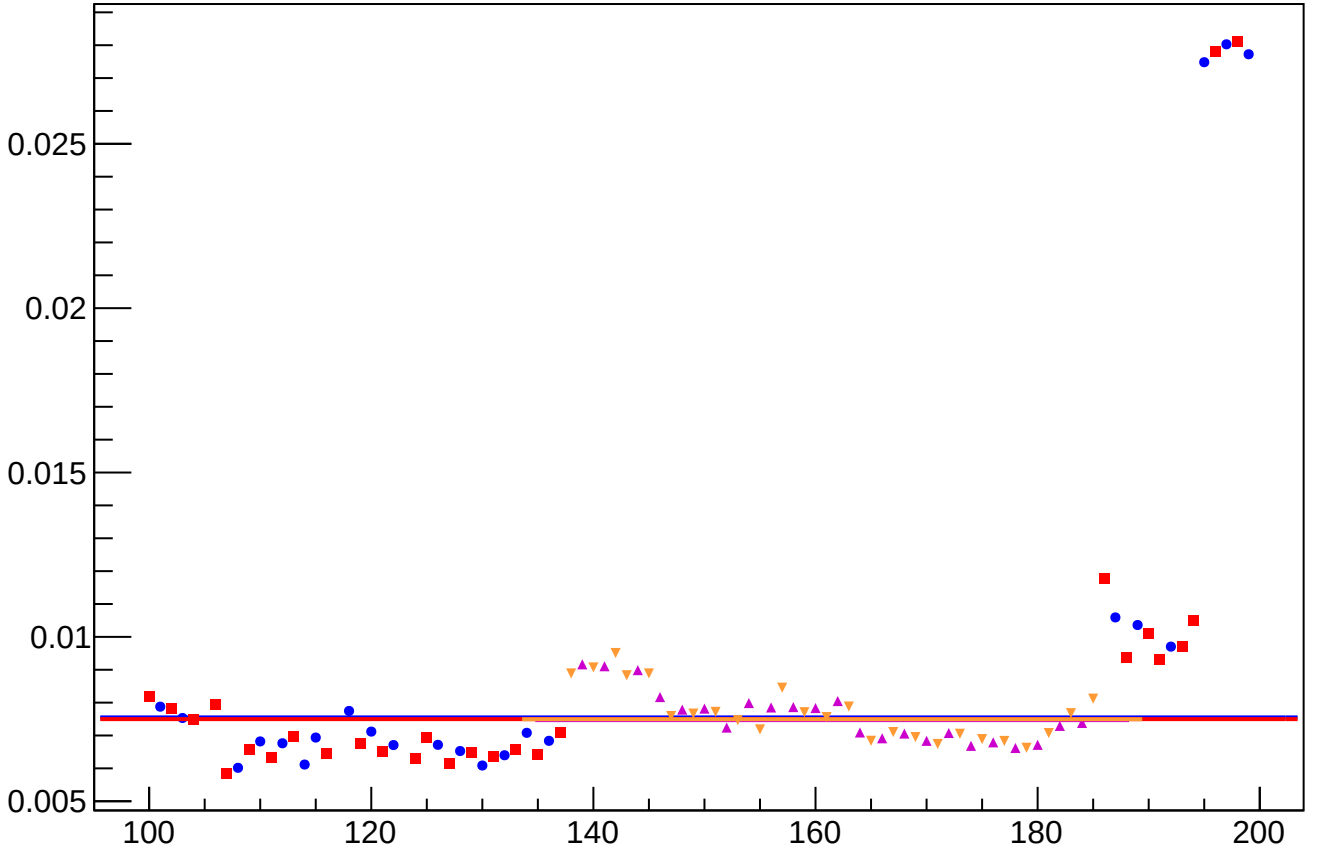
Right: 1.881+/-0.000 χ^2/NDF: 152634453106.5/48

In: 2.390+/-0.000 χ^2/NDF:172828906441.4/44

Out: 2.318+/-0.000 χ^2/NDF:192299258968.5/51

All: 2.353+/-0.000 χ^2/NDF: 366424211095.8

yield_bpm0l06X_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 3205857.9/21

Left Out: 0.007+/-0.000 χ^2/NDF:332673.2/24

Right Out: 0.007+/-0.000 χ^2/NDF: 2529977.1/26

Left In: 0.007+/-0.000 χ^2/NDF:321914.4/22

Left: 0.007+/-0.000 χ^2/NDF: 654825.5/47

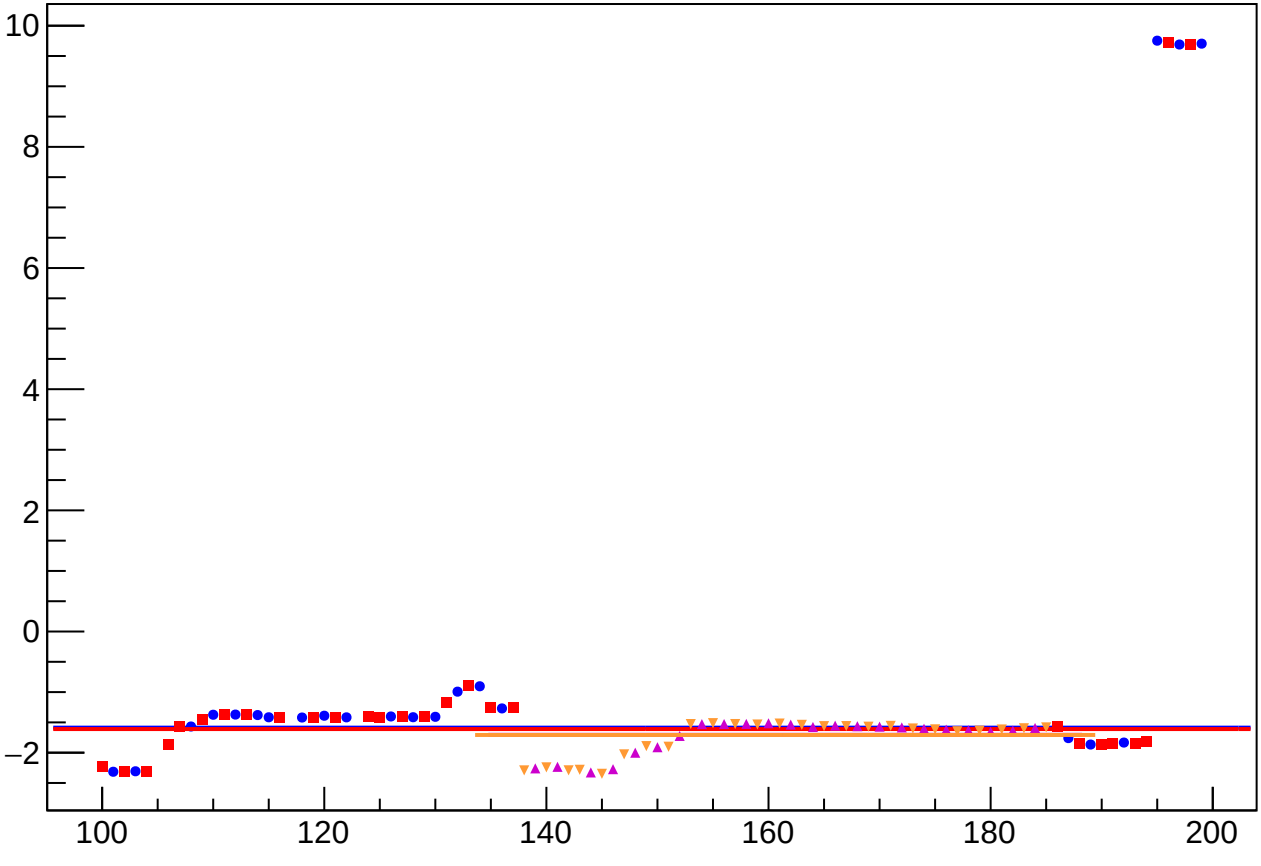
Right: 0.008+/-0.000 χ^2/NDF: 5736328.5/48

In: 0.007+/-0.000 χ^2/NDF:3529256.5/44

Out: 0.007+/-0.000 χ^2/NDF:2862652.5/51

All: 0.007+/-0.000 χ^2/NDF: 6391909.1/96

yield_bpm0l06Y_mean vs Slug, Sign Corrected



Right In: -1.587+/-0.000 χ^2/NDF: 275092807116.8/21

Left Out: -1.708+/-0.000 χ^2/NDF:151845502556.2/24

Right Out: -1.610+/-0.000 χ^2/NDF: 251281826415.9/26

Left In: -1.705+/-0.000 χ^2/NDF:136540618081.0/22

Left: -1.707+/-0.000 χ^2/NDF: 288391574261.0/47

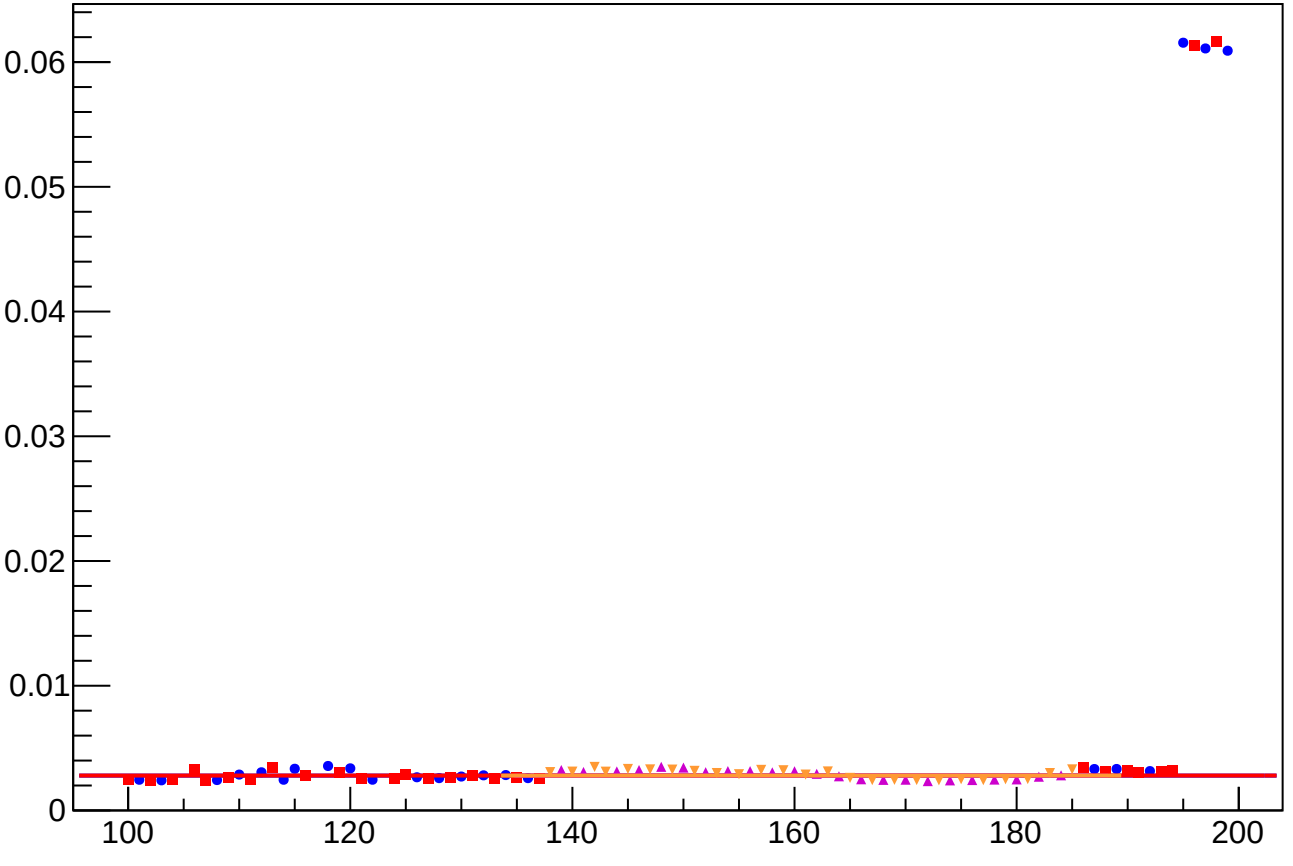
Right: -1.600+/-0.000 χ^2/NDF: 526694968048.6/48

In: -1.666+/-0.000 χ^2/NDF:421888568085.5/44

Out: -1.672+/-0.000 χ^2/NDF:411127135453.1/51

All: -1.669+/-0.000 χ^2/NDF: 833072147579.4

yield_bpm0l06Y_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 4995981.2/21

Left Out: 0.003+/-0.000 χ^2/NDF:547758.3/24

Right Out: 0.003+/-0.000 χ^2/NDF: 3310961.2/26

Left In: 0.003+/-0.000 χ^2/NDF:557113.5/22

Left: 0.003+/-0.000 χ^2/NDF: 1105212.9/47

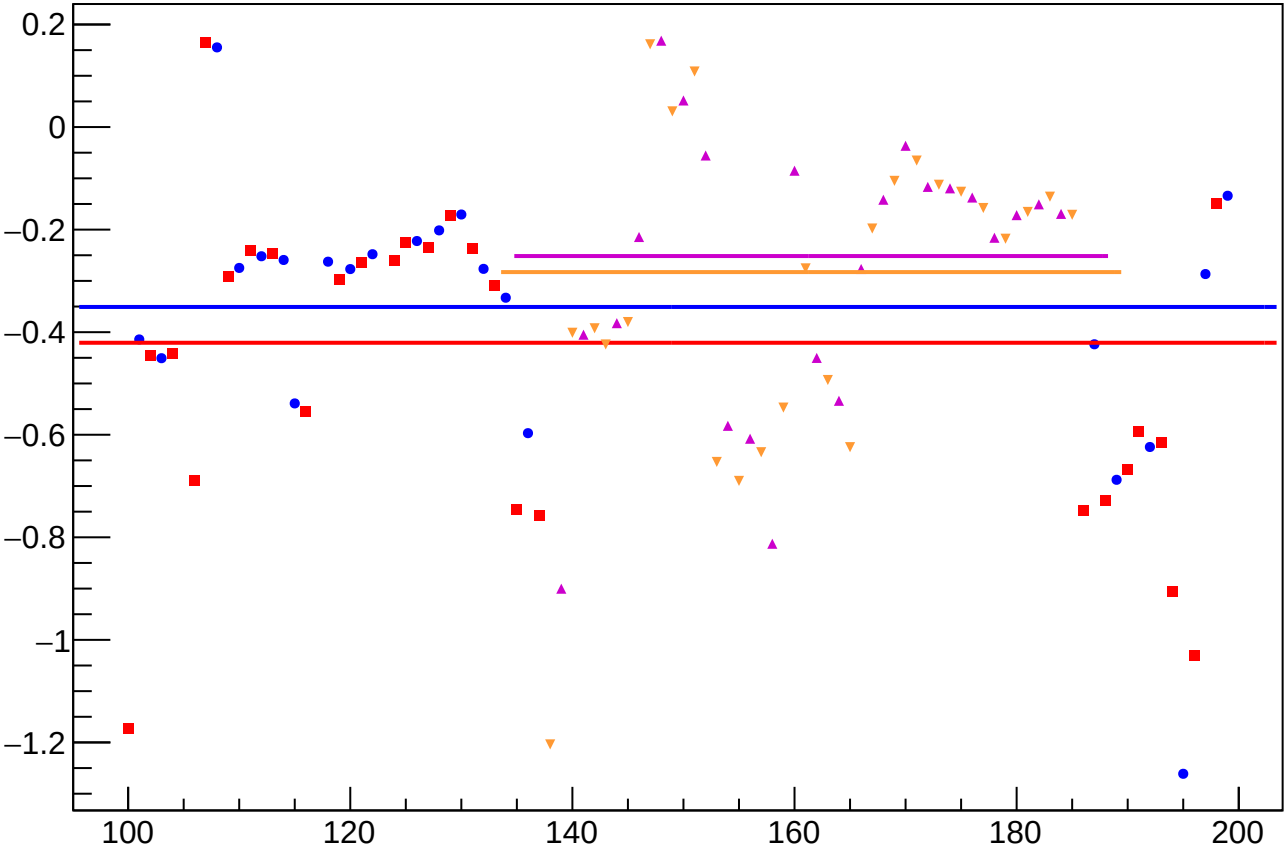
Right: 0.003+/-0.000 χ^2/NDF: 8306974.6/48

In: 0.003+/-0.000 χ^2/NDF:5553223.0/44

Out: 0.003+/-0.000 χ^2/NDF:3858727.8/51

All: 0.003+/-0.000 χ^2/NDF: 9412297.9/96

yield_bpm0l07X_mean vs Slug, Sign Corrected



Right In: -0.351+/-0.000 χ^2/NDF: 4766699859.5/21

Left Out: -0.283+/-0.000 χ^2/NDF:9343511244.8/24

Right Out: -0.421+/-0.000 χ^2/NDF: 5541598462.2/26

Left In: -0.252+/-0.000 χ^2/NDF:7167367678.6/22

Left: -0.267+/-0.000 χ^2/NDF: 16567222880.0/47

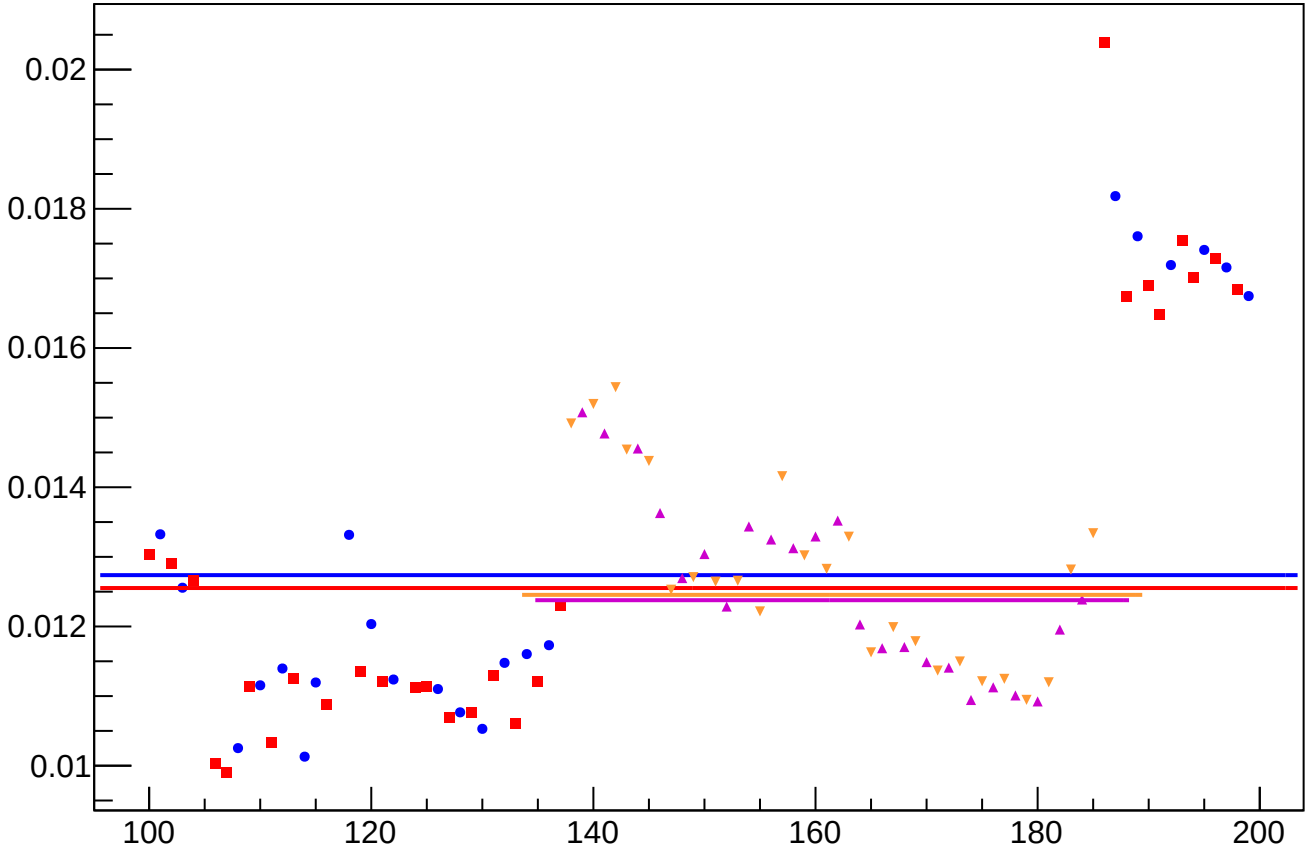
Right: -0.388+/-0.000 χ^2/NDF: 10481029330.4/48

In: -0.288+/-0.000 χ^2/NDF:12345837288.1/44

Out: -0.337+/-0.000 χ^2/NDF:15762233143.9/51

All: -0.314+/-0.000 χ^2/NDF: 28328309528.4/

yield_bpm0l07X_rms vs Slug, Sign Corrected



Right In: 0.013+/-0.000 χ^2/NDF: 812737.6/21

Left Out: 0.012+/-0.000 χ^2/NDF:341430.5/24

Right Out: 0.013+/-0.000 χ^2/NDF: 1079388.4/26

Left In: 0.012+/-0.000 χ^2/NDF:326925.9/22

Left: 0.012+/-0.000 χ^2/NDF: 669035.7/47

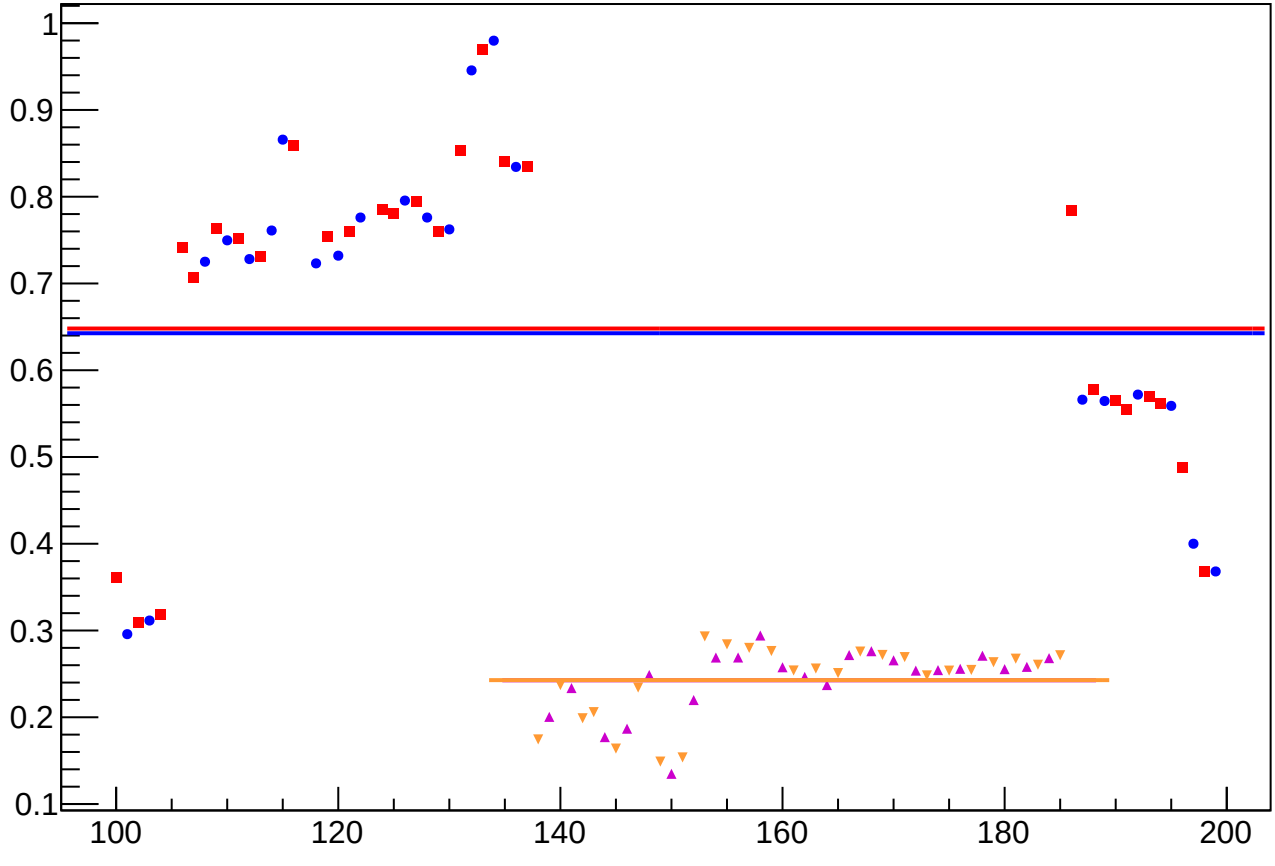
Right: 0.013+/-0.000 χ^2/NDF: 1894557.1/48

In: 0.013+/-0.000 χ^2/NDF:1150504.4/44

Out: 0.012+/-0.000 χ^2/NDF:1421708.2/51

All: 0.013+/-0.000 χ^2/NDF: 2572272.8/96

yield_bpm0l07Y_mean vs Slug, Sign Corrected



Right In: 0.643+/-0.000 χ^2/NDF: 68969369191.3/21

Left Out: 0.243+/-0.000 χ^2/NDF:7290530687.7/24

Right Out: 0.648+/-0.000 χ^2/NDF: 62602028355.2/26

Left In: 0.243+/-0.000 χ^2/NDF:5781231269.1/22

Left: 0.243+/-0.000 χ^2/NDF: 13071863849.3/47

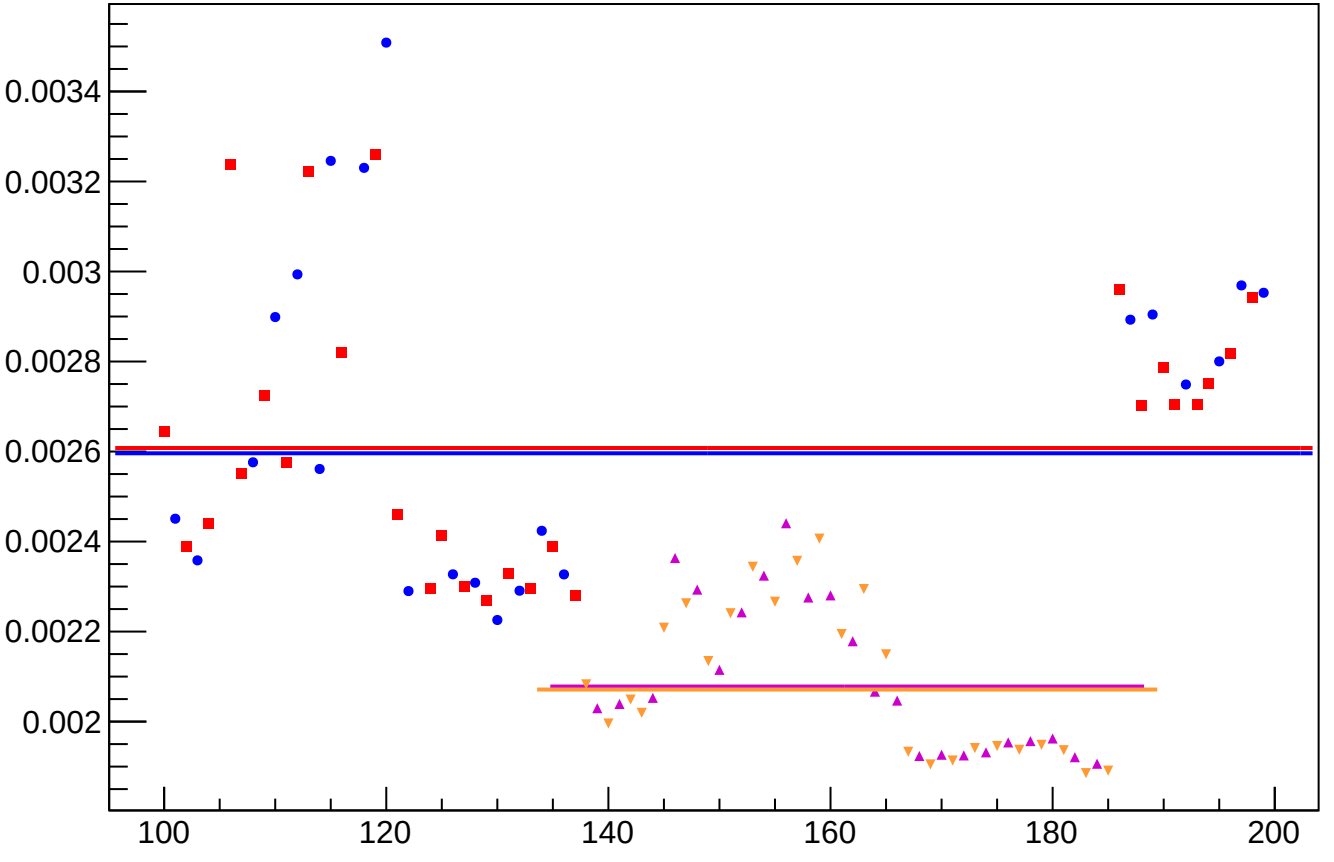
Right: 0.645+/-0.000 χ^2/NDF: 131596464339.2/48

In: 0.354+/-0.000 χ^2/NDF:262106509779.1/44

Out: 0.359+/-0.000 χ^2/NDF:279892034835.7/51

All: 0.357+/-0.000 χ^2/NDF: 542070865237.2

yield_bpm0l07Y_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 323534.2/21

Left Out: 0.002+/-0.000 χ^2/NDF:233799.0/24

Right Out: 0.003+/-0.000 χ^2/NDF: 257391.1/26

Left In: 0.002+/-0.000 χ^2/NDF:211544.0/22

Left: 0.002+/-0.000 χ^2/NDF: 445534.4/47

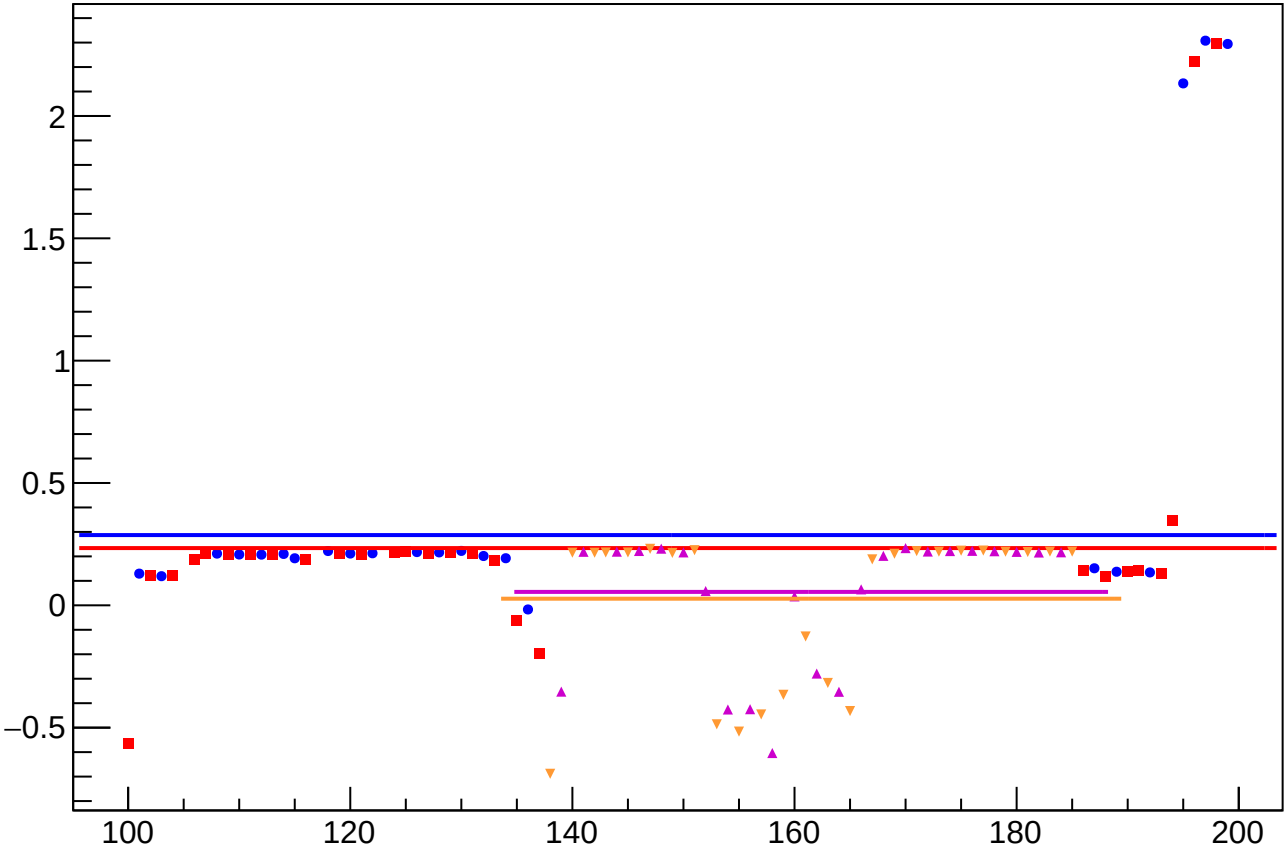
Right: 0.003+/-0.000 χ^2/NDF: 581161.4/48

In: 0.002+/-0.000 χ^2/NDF:1163844.9/44

Out: 0.002+/-0.000 χ^2/NDF:1227675.5/51

All: 0.002+/-0.000 χ^2/NDF: 2391566.4/96

yield_bpm0l08X_mean vs Slug, Sign Corrected



Right In: 0.287+/-0.000 χ^2/NDF: 19148356645.5/21

Left Out: 0.027+/-0.000 χ^2/NDF:12975171876.0/24

Right Out: 0.234+/-0.000 χ^2/NDF: 13778193528.3/26

Left In: 0.055+/-0.000 χ^2/NDF:9704180322.0/22

Left: 0.041+/-0.000 χ^2/NDF: 22733670617.6/47

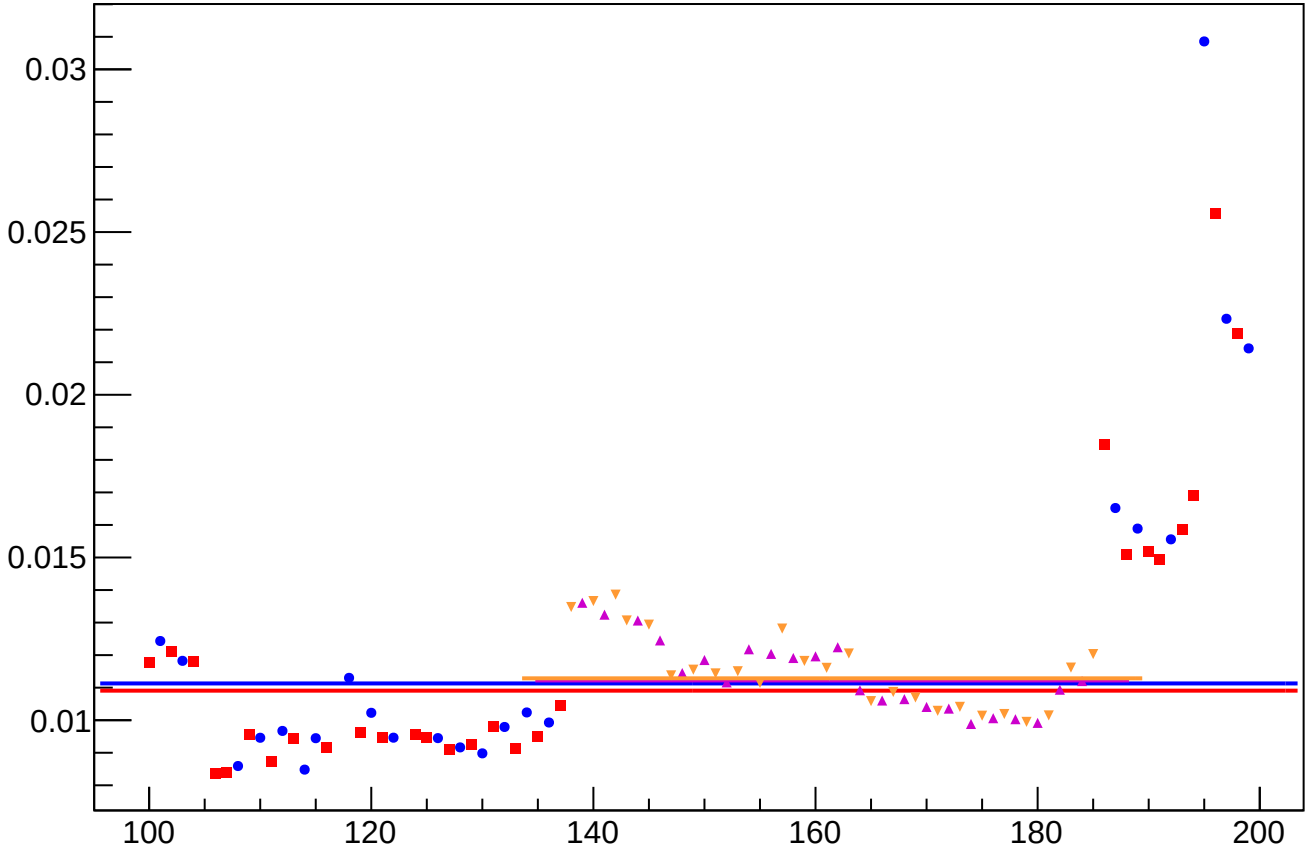
Right: 0.258+/-0.000 χ^2/NDF: 33050684493.6/48

In: 0.141+/-0.000 χ^2/NDF:31610238816.6/44

Out: 0.110+/-0.000 χ^2/NDF:29209955538.8/51

All: 0.125+/-0.000 χ^2/NDF: 60932922411.1/9

yield_bpm0l08X_rms vs Slug, Sign Corrected



Right In: 0.011+/-0.000 χ^2/NDF: 2193189.3/21

Left Out: 0.011+/-0.000 χ^2/NDF:328248.0/24

Right Out: 0.011+/-0.000 χ^2/NDF: 2092748.7/26

Left In: 0.011+/-0.000 χ^2/NDF:315246.6/22

Left: 0.011+/-0.000 χ^2/NDF: 644069.7/47

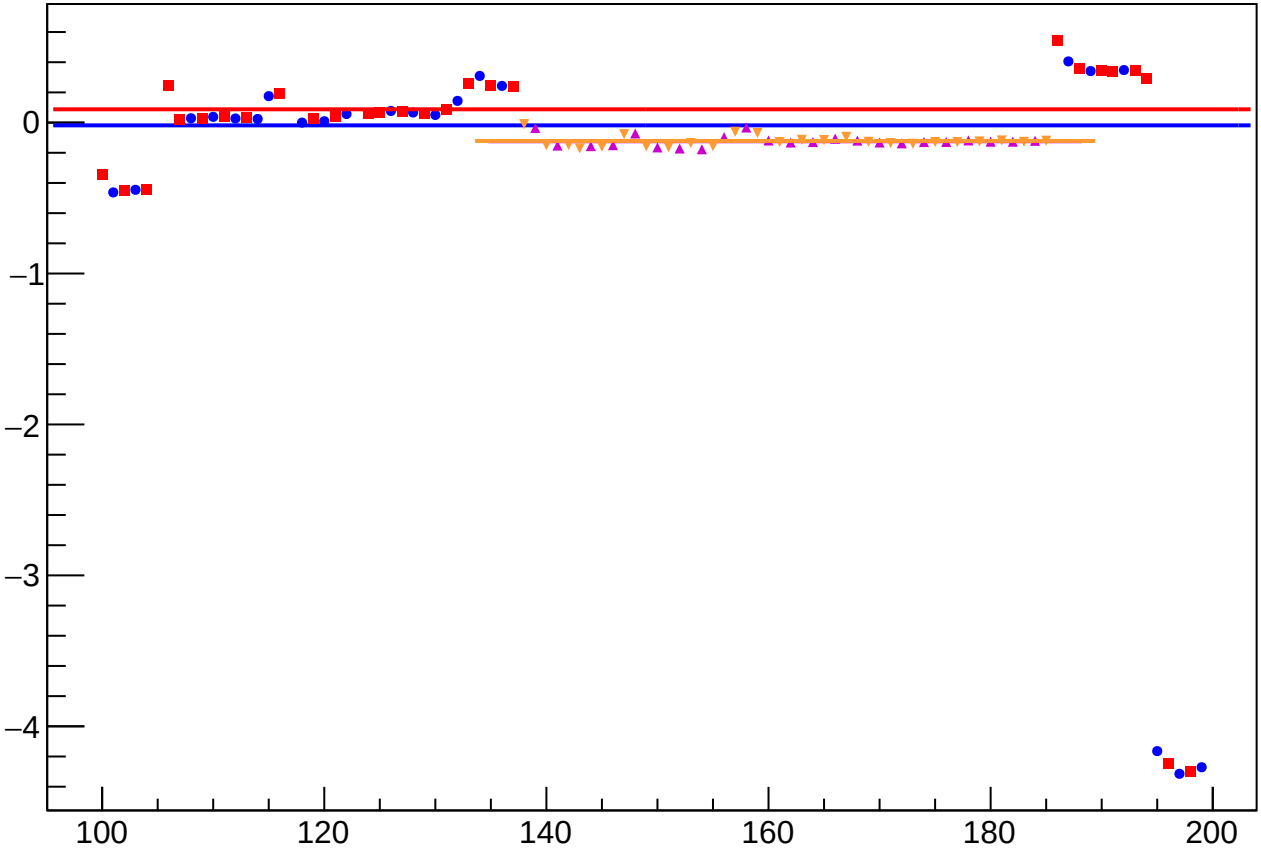
Right: 0.011+/-0.000 χ^2/NDF: 4290259.1/48

In: 0.011+/-0.000 χ^2/NDF:2509317.5/44

Out: 0.011+/-0.000 χ^2/NDF:2437444.6/51

All: 0.011+/-0.000 χ^2/NDF: 4947399.4/96

yield_bpm0l08Y_mean vs Slug, Sign Corrected



Right In: -0.018+/-0.000 χ^2/NDF: 157515875138.7/21

Left Out: -0.122+/-0.000 χ^2/NDF:2922583819.6/24

Right Out: 0.088+/-0.000 χ^2/NDF: 128096984324.7/26

Left In: -0.124+/-0.000 χ^2/NDF:2809457047.2/22

Left: -0.123+/-0.000 χ^2/NDF: 5736373212.1/47

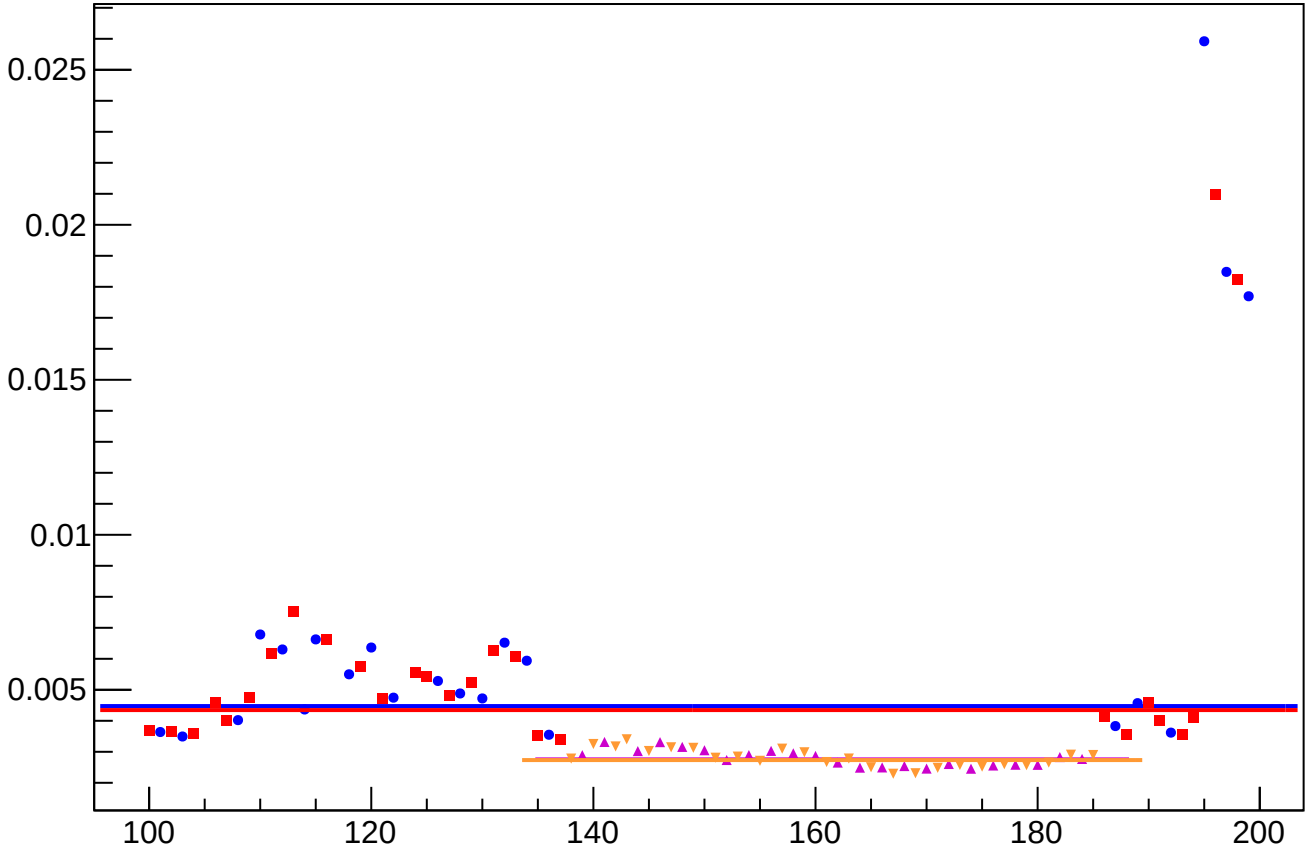
Right: 0.041+/-0.000 χ^2/NDF: 288339050018.0/48

In: -0.107+/-0.000 χ^2/NDF:164356562598.1/44

Out: -0.084+/-0.000 χ^2/NDF:150577313474.2/51

All: -0.095+/-0.000 χ^2/NDF: 315693085593.5

yield_bpm0l08Y_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 3920369.6/21

Left Out: 0.003+/-0.000 χ^2/NDF:391885.5/24

Right Out: 0.004+/-0.000 χ^2/NDF: 2865197.1/26

Left In: 0.003+/-0.000 χ^2/NDF:293113.7/22

Left: 0.003+/-0.000 χ^2/NDF: 686267.5/47

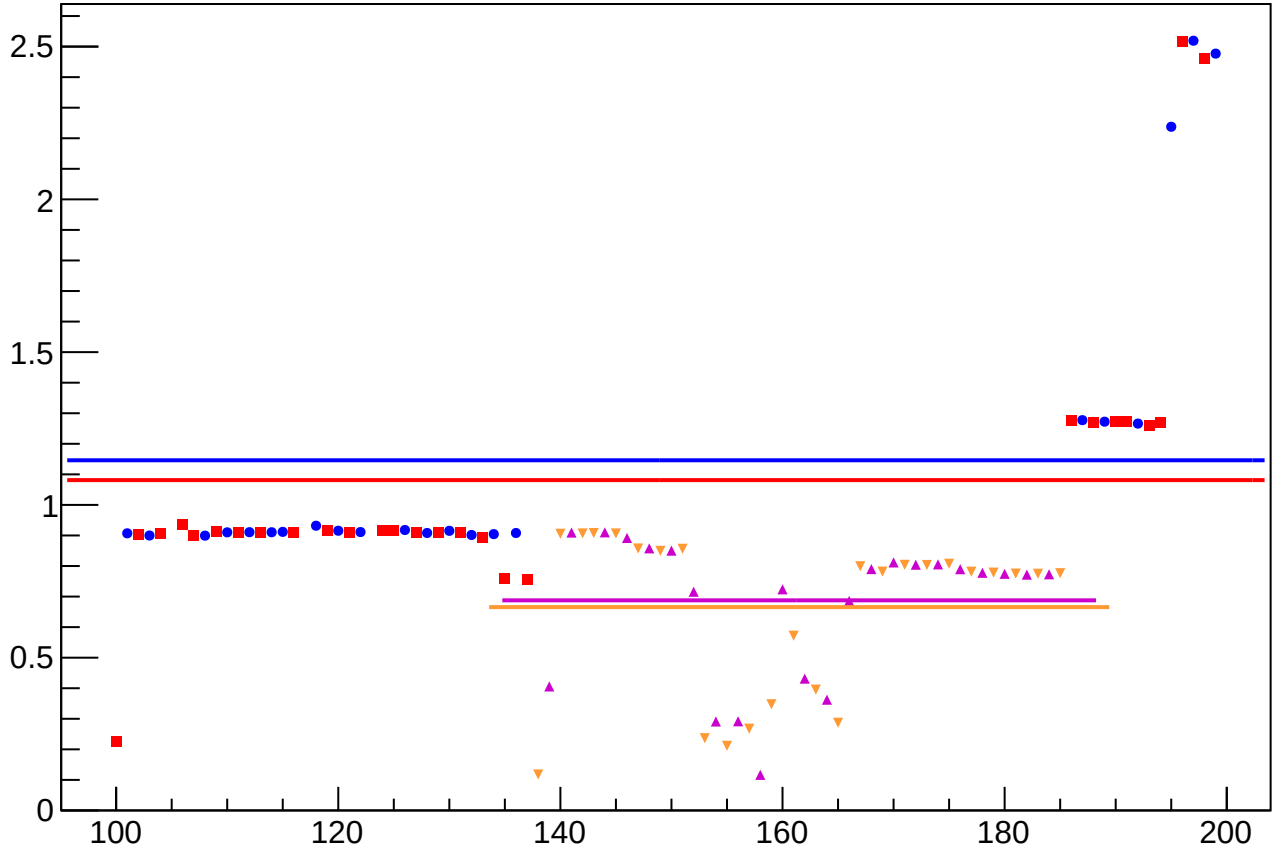
Right: 0.004+/-0.000 χ^2/NDF: 6793652.7/48

In: 0.003+/-0.000 χ^2/NDF:6364835.9/44

Out: 0.003+/-0.000 χ^2/NDF:5569682.7/51

All: 0.003+/-0.000 χ^2/NDF: 11934598.1/96

yield_bpm0l09X_mean vs Slug, Sign Corrected



Right In: 1.146+/-0.000 χ^2/NDF: 20043416117.8/21

Left Out: 0.666+/-0.000 χ^2/NDF:9213839939.9/24

Right Out: 1.081+/-0.000 χ^2/NDF: 16009683358.2/26

Left In: 0.688+/-0.000 χ^2/NDF:6999062215.3/22

Left: 0.676+/-0.000 χ^2/NDF: 16249398180.7/47

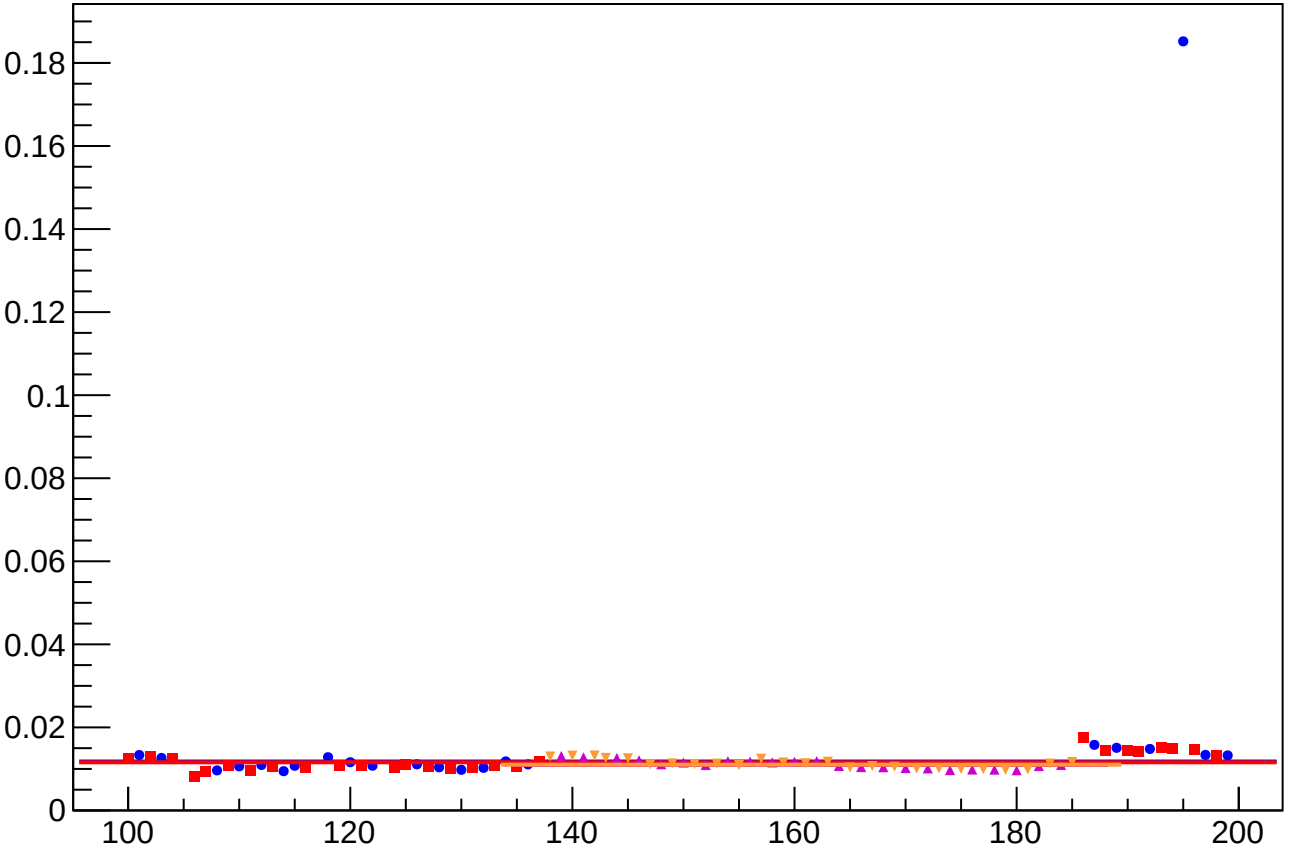
Right: 1.111+/-0.000 χ^2/NDF: 36219124111.9/48

In: 0.841+/-0.000 χ^2/NDF:37240323045.8/44

Out: 0.816+/-0.000 χ^2/NDF:34668644374.8/51

All: 0.828+/-0.000 χ^2/NDF: 71982081115.6/9

yield_bpm0l09X_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 1925957.1/21

Left Out: 0.011+/-0.000 χ^2/NDF:299445.0/24

Right Out: 0.012+/-0.000 χ^2/NDF: 678706.2/26

Left In: 0.011+/-0.000 χ^2/NDF:287650.0/22

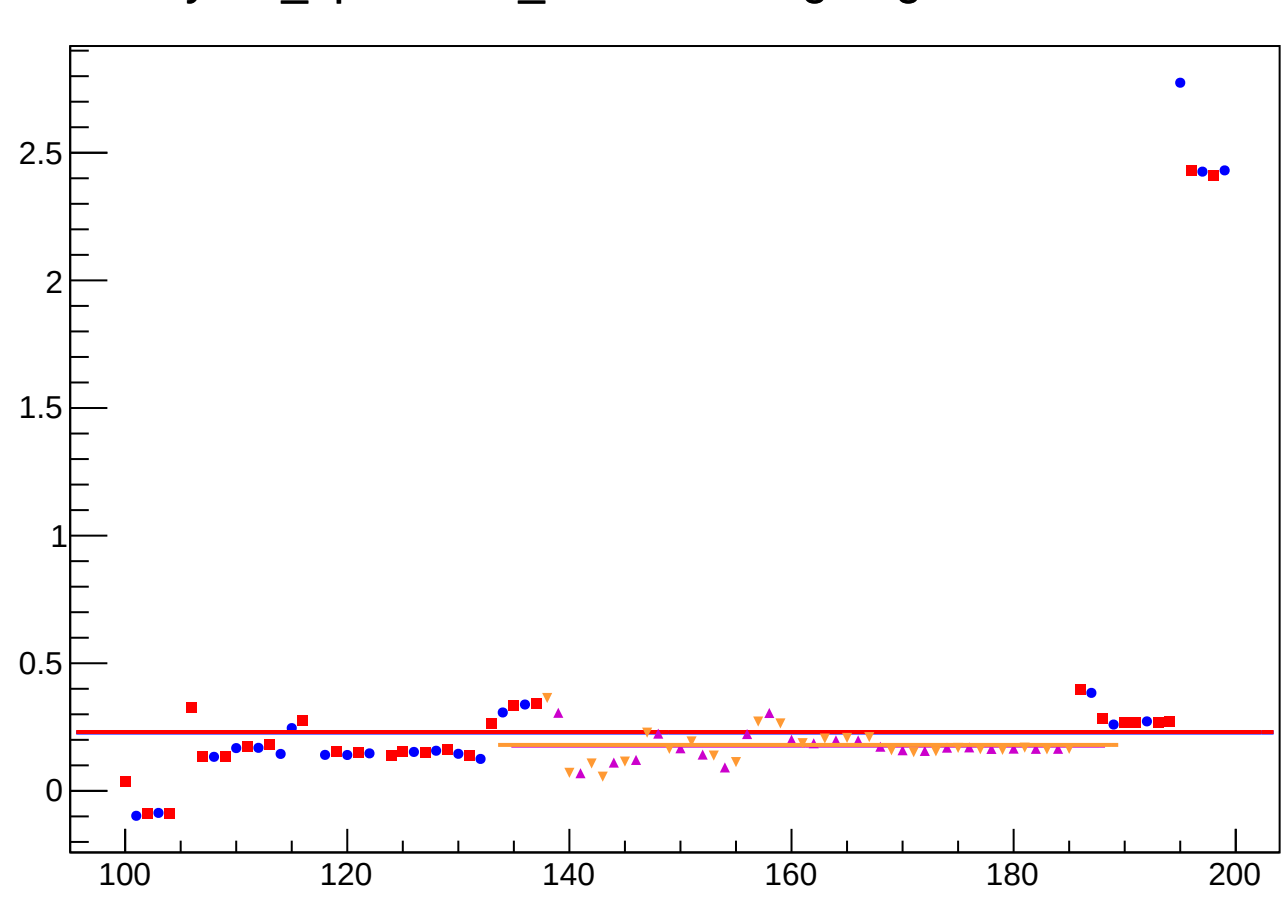
Left: 0.011+/-0.000 χ^2/NDF: 587697.9/47

Right: 0.012+/-0.000 χ^2/NDF: 2607351.1/48

In: 0.011+/-0.000 χ^2/NDF:2277766.7/44

Out: 0.011+/-0.000 χ^2/NDF:1012989.1/51

All: 0.011+/-0.000 χ^2/NDF: 3290759.9/96



Right In: 0.229+/-0.000 χ^2/NDF: 58775604537.4/21

Left Out: 0.180+/-0.000 χ^2/NDF:6448853953.3/24

Right Out: 0.231+/-0.000 χ^2/NDF: 43321240523.8/26

Left In: 0.177+/-0.000 χ^2/NDF:4620854117.7/22

Left: 0.179+/-0.000 χ^2/NDF: 11077549854.5/47

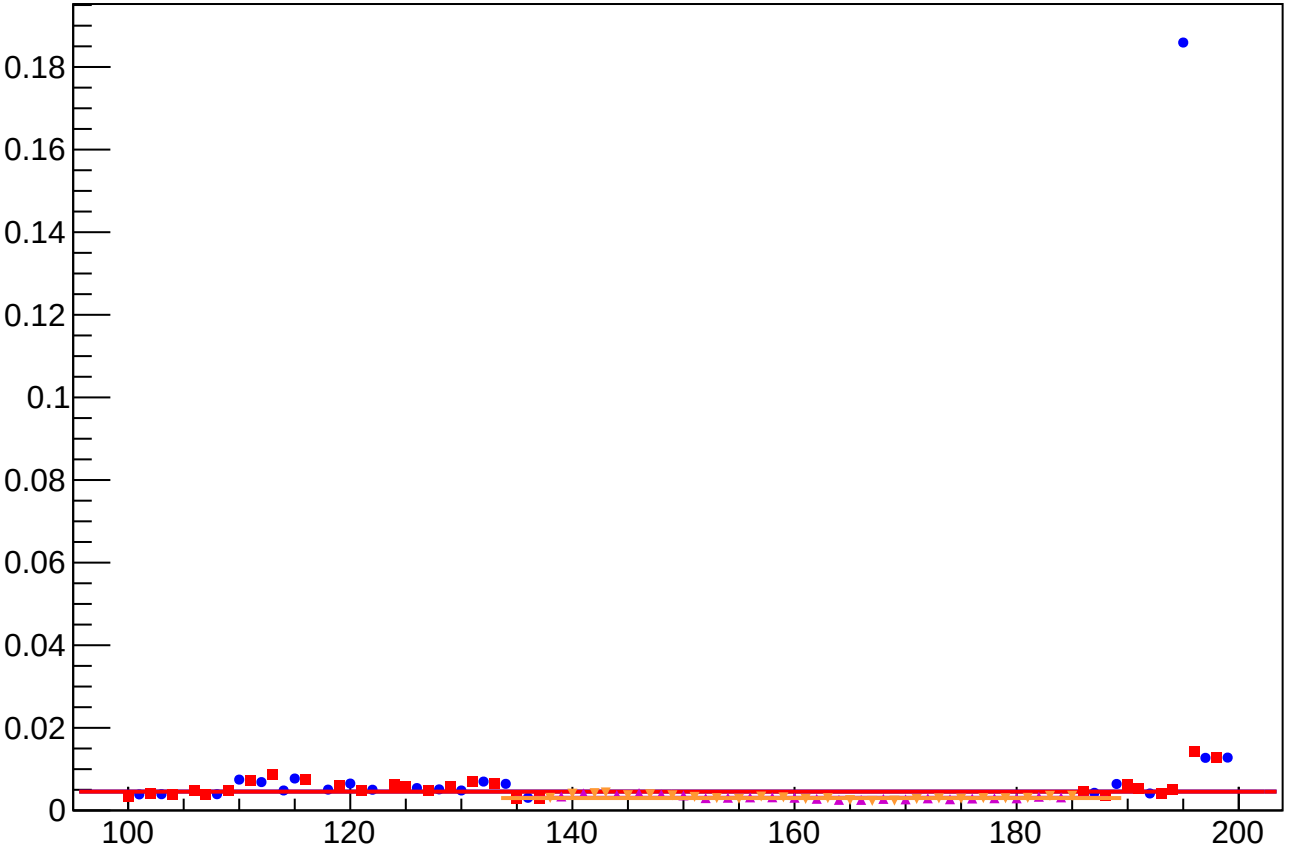
Right: 0.230+/-0.000 χ^2/NDF: 102097776616.1/48

In: 0.187+/-0.000 χ^2/NDF:64244474882.2/44

Out: 0.190+/-0.000 χ^2/NDF:50732949609.3/51

All: 0.188+/-0.000 χ^2/NDF: 114989913755.5

yield_bpm0l09Y_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 4032963.4/21

Left Out: 0.003+/-0.000 χ^2/NDF:888350.2/24

Right Out: 0.005+/-0.000 χ^2/NDF: 2341813.8/26

Left In: 0.003+/-0.000 χ^2/NDF:587459.6/22

Left: 0.003+/-0.000 χ^2/NDF: 1485282.4/47

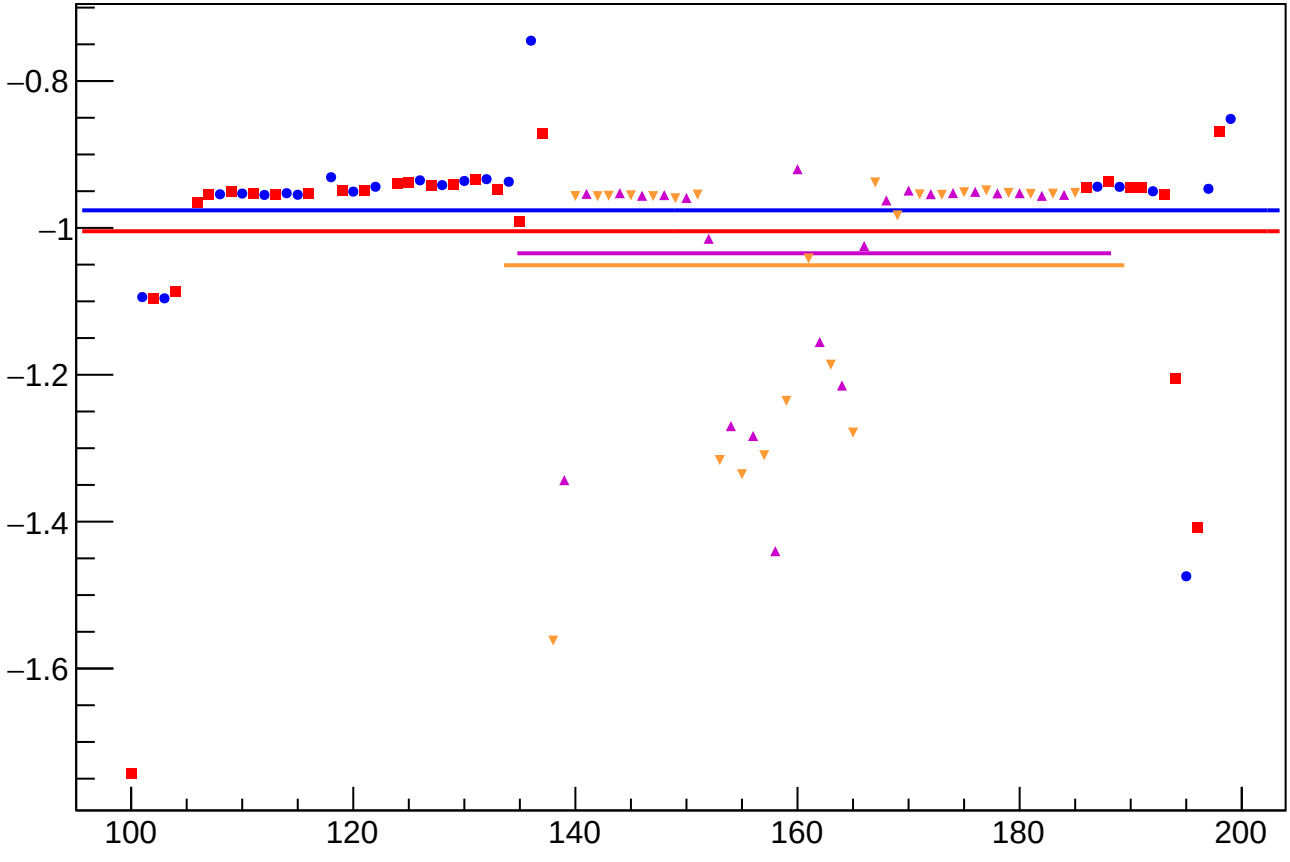
Right: 0.005+/-0.000 χ^2/NDF: 6375076.8/48

In: 0.003+/-0.000 χ^2/NDF:6084272.7/44

Out: 0.003+/-0.000 χ^2/NDF:5048910.3/51

All: 0.003+/-0.000 χ^2/NDF: 11138102.1/96

yield_bpm0l10X_mean vs Slug, Sign Corrected



Right In: -0.976+/-0.000 χ^2/NDF: 1811073929.4/21

Left Out: -1.051+/-0.000 χ^2/NDF:5082084184.4/24

Right Out: -1.005+/-0.000 χ^2/NDF: 1670743904.6/26

Left In: -1.035+/-0.000 χ^2/NDF:3925761523.9/22

Left: -1.043+/-0.000 χ^2/NDF: 9032853026.0/47

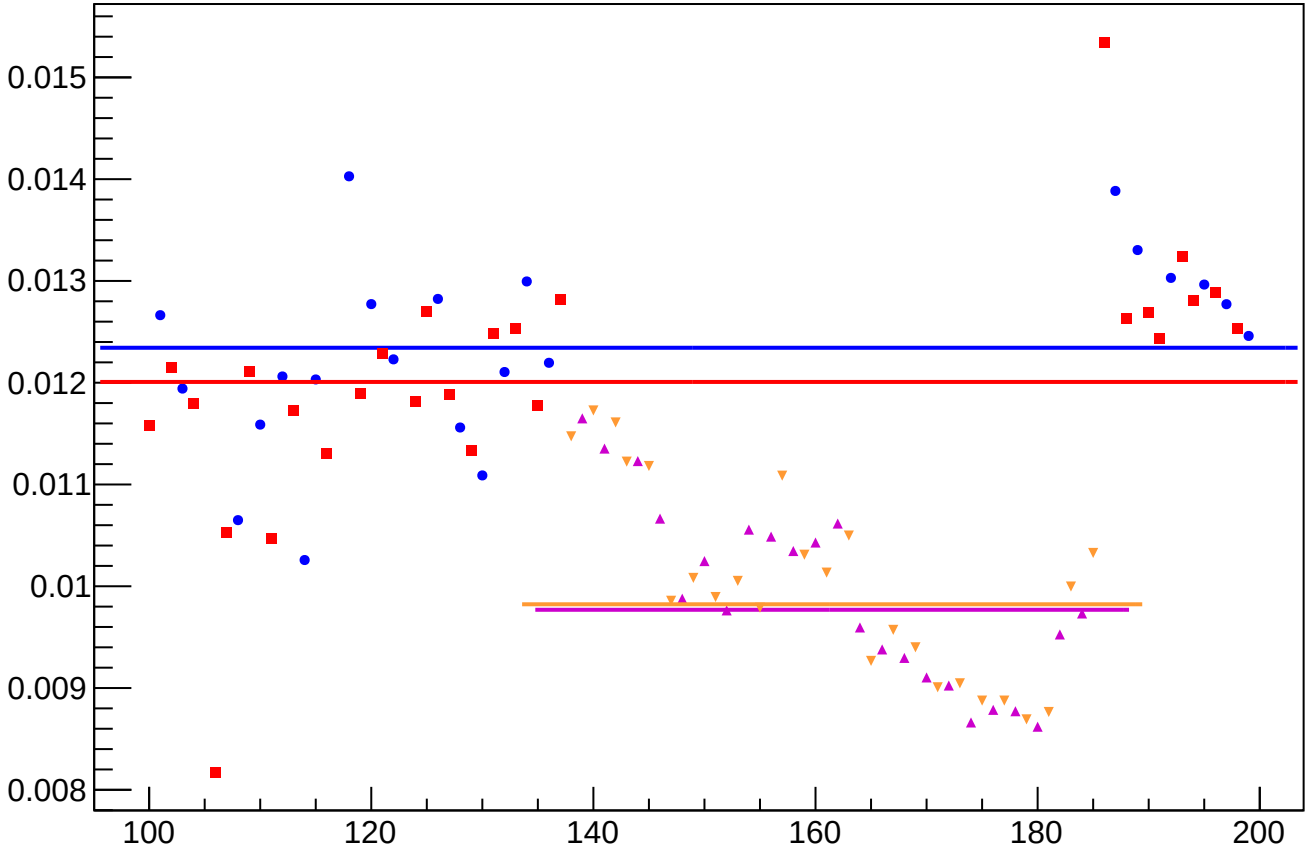
Right: -0.991+/-0.000 χ^2/NDF: 3513710085.6/48

In: -1.018+/-0.000 χ^2/NDF:5914854292.2/44

Out: -1.037+/-0.000 χ^2/NDF:6879690900.6/51

All: -1.028+/-0.000 χ^2/NDF: 12840626376.5/

yield_bpm0l10X_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 91619.1/21

Left Out: 0.010+/-0.000 χ^2/NDF:293862.1/24

Right Out: 0.012+/-0.000 χ^2/NDF: 252929.0/26

Left In: 0.010+/-0.000 χ^2/NDF:281817.4/22

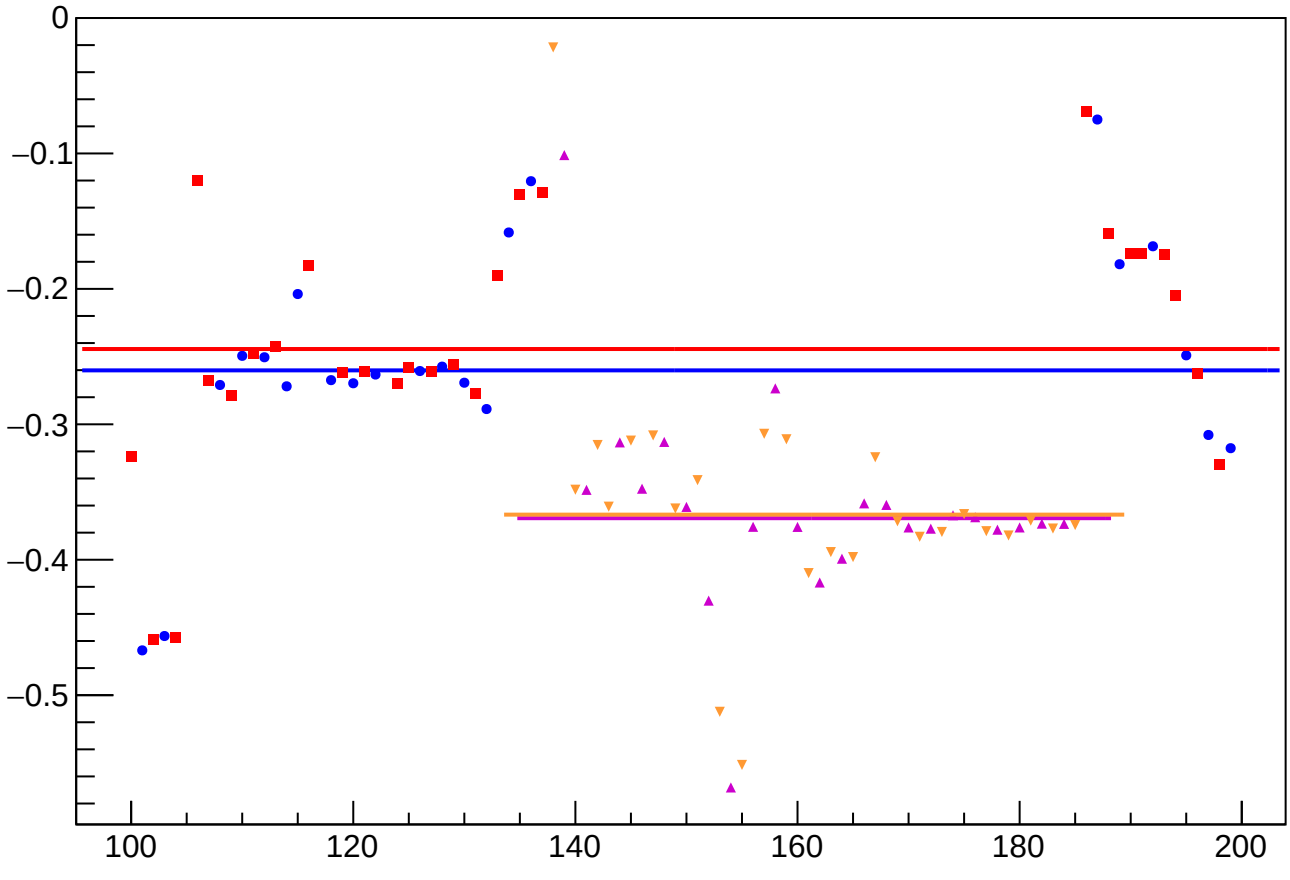
Left: 0.010+/-0.000 χ^2/NDF: 576227.7/47

Right: 0.012+/-0.000 χ^2/NDF: 353415.5/48

In: 0.010+/-0.000 χ^2/NDF:1063798.6/44

Out: 0.010+/-0.000 χ^2/NDF:1111557.7/51

All: 0.010+/-0.000 χ^2/NDF: 2175356.5/96



Right In: -0.260+/-0.000 χ^2/NDF: 7360388716.5/21

Left Out: -0.367+/-0.000 χ^2/NDF:11945266102.2/24

Right Out: -0.244+/-0.000 χ^2/NDF: 7260525393.2/26

Left In: -0.369+/-0.000 χ^2/NDF:7581323027.3/22

Left: -0.368+/-0.000 χ^2/NDF: 19531807890.3/47

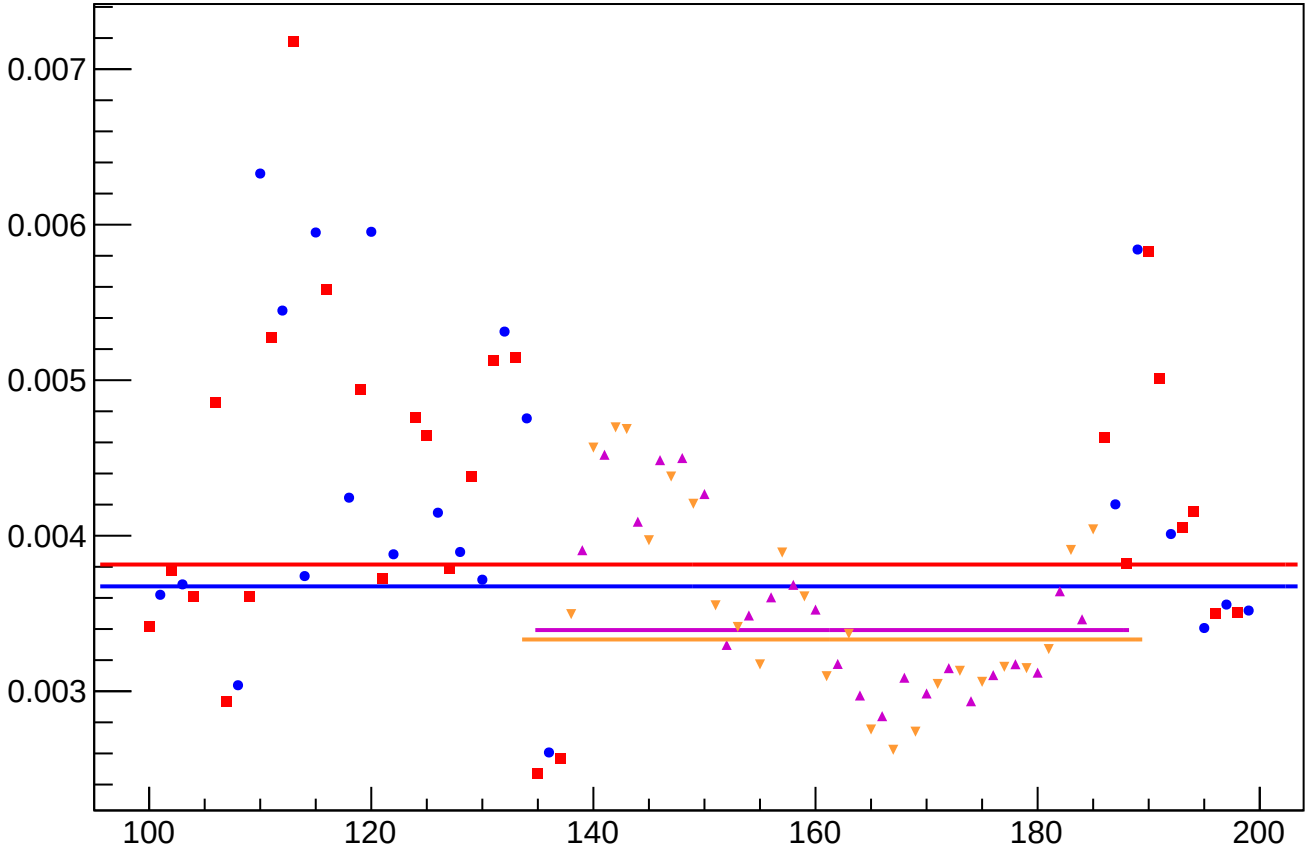
Right: -0.252+/-0.000 χ^2/NDF: 14712914471.0/48

In: -0.333+/-0.000 χ^2/NDF:20697603777.7/44

Out: -0.327+/-0.000 χ^2/NDF:26841352362.6/51

All: -0.330+/-0.000 χ^2/NDF: 47573604045.9/

yield_bpm0l10Y_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 901160.2/21

Left Out: 0.003+/-0.000 χ^2/NDF:857705.2/24

Right Out: 0.004+/-0.000 χ^2/NDF: 1067028.2/26

Left In: 0.003+/-0.000 χ^2/NDF:633604.8/22

Left: 0.003+/-0.000 χ^2/NDF: 1496833.9/47

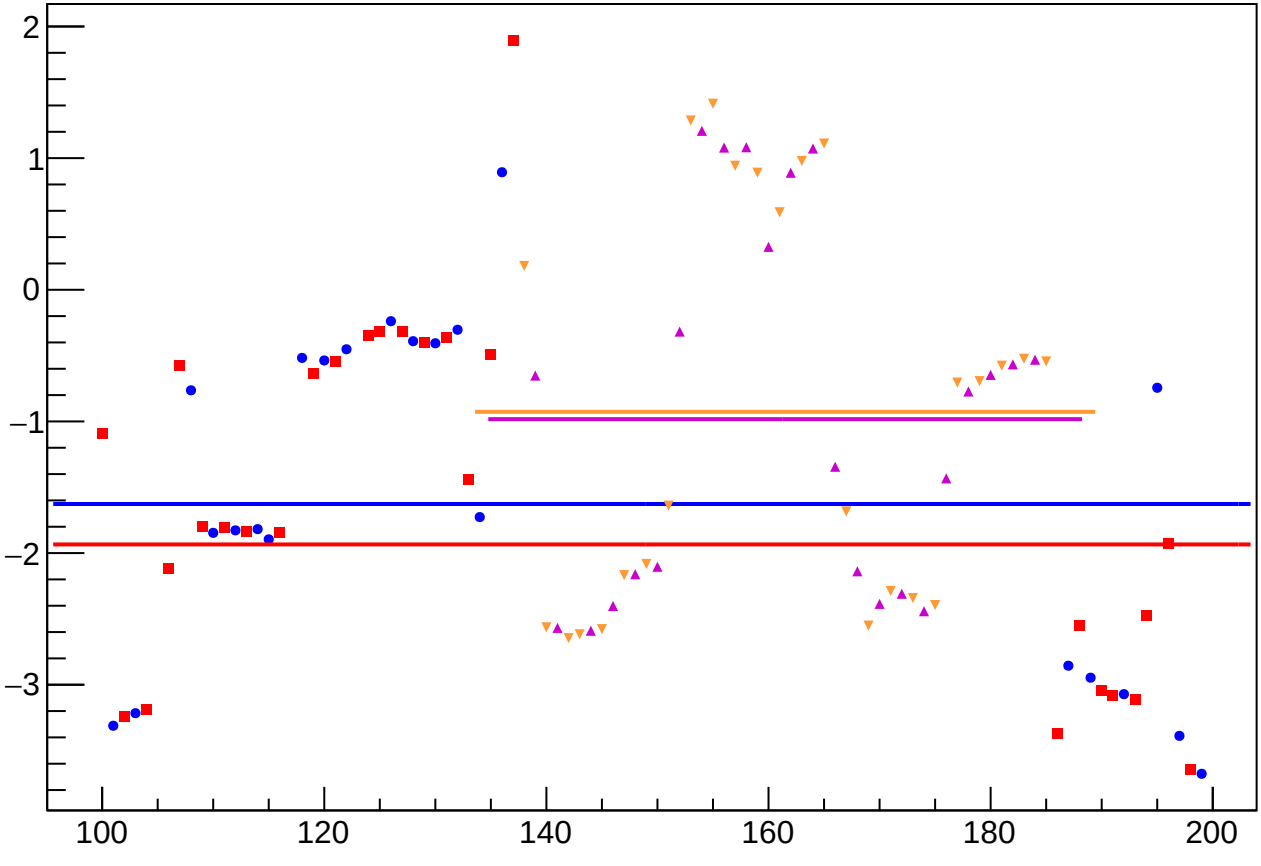
Right: 0.004+/-0.000 χ^2/NDF: 1982803.1/48

In: 0.003+/-0.000 χ^2/NDF:1611024.2/44

Out: 0.003+/-0.000 χ^2/NDF:2161965.1/51

All: 0.003+/-0.000 χ^2/NDF: 3772991.6/96

yield_bpm0r03X_mean vs Slug, Sign Corrected



Right In: -1.627+/-0.000 χ^2/NDF: 4470068353.7/21

Left Out: -0.927+/-0.000 χ^2/NDF:7248712470.7/24

Right Out: -1.934+/-0.000 χ^2/NDF: 3408237362.7/26

Left In: -0.983+/-0.000 χ^2/NDF:5918975536.0/22

Left: -0.954+/-0.000 χ^2/NDF: 13173158507.1/47

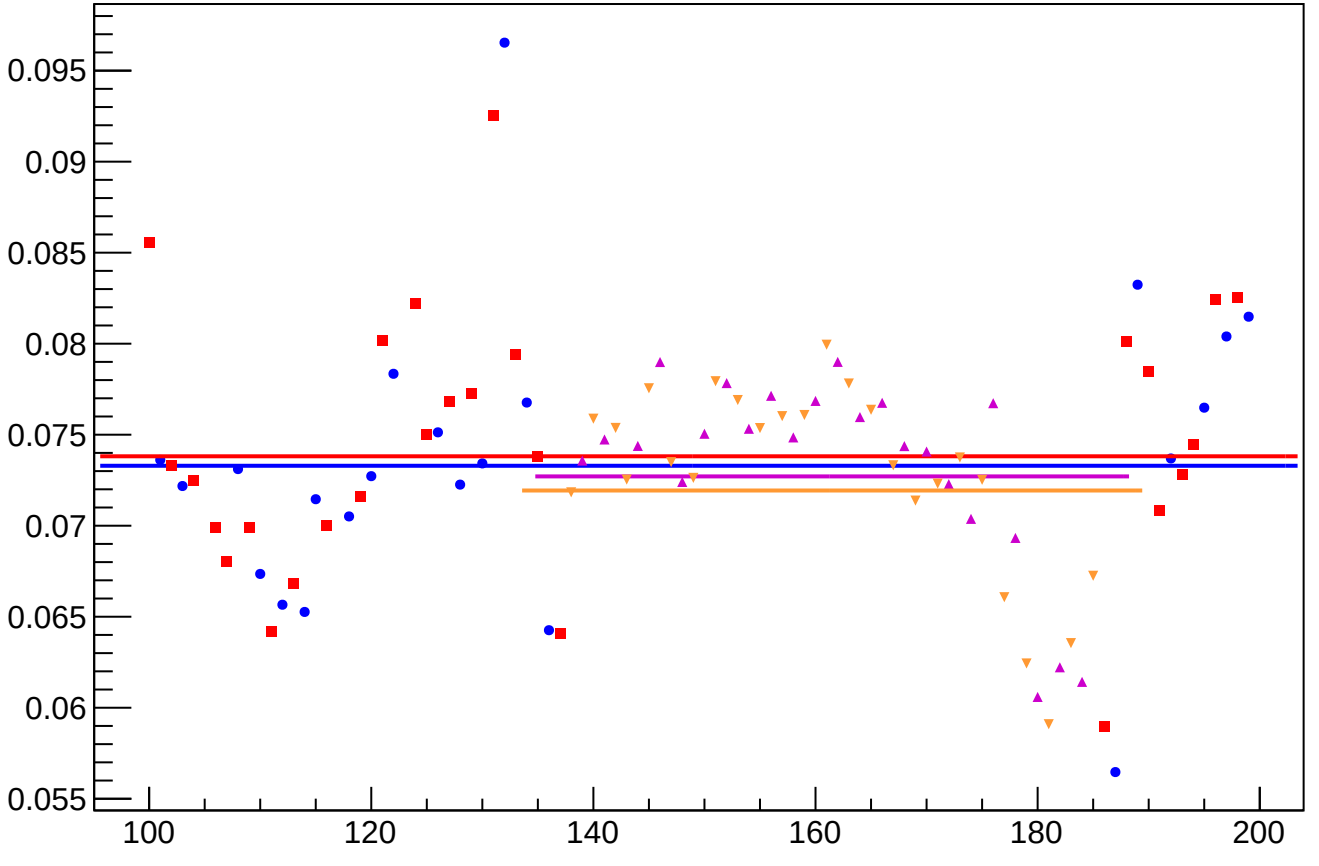
Right: -1.788+/-0.000 χ^2/NDF: 7981426905.4/48

In: -1.229+/-0.000 χ^2/NDF:10925710365.3/44

Out: -1.315+/-0.000 χ^2/NDF:12088201989.5/51

All: -1.273+/-0.000 χ^2/NDF: 23035029665.5/

yield_bpm0r03X_rms vs Slug, Sign Corrected



Right In: 0.073+/-0.000 χ^2/NDF: 189510.7/21

Left Out: 0.072+/-0.000 χ^2/NDF:235534.6/24

Right Out: 0.074+/-0.000 χ^2/NDF: 202873.0/26

Left In: 0.073+/-0.000 χ^2/NDF:197009.2/22

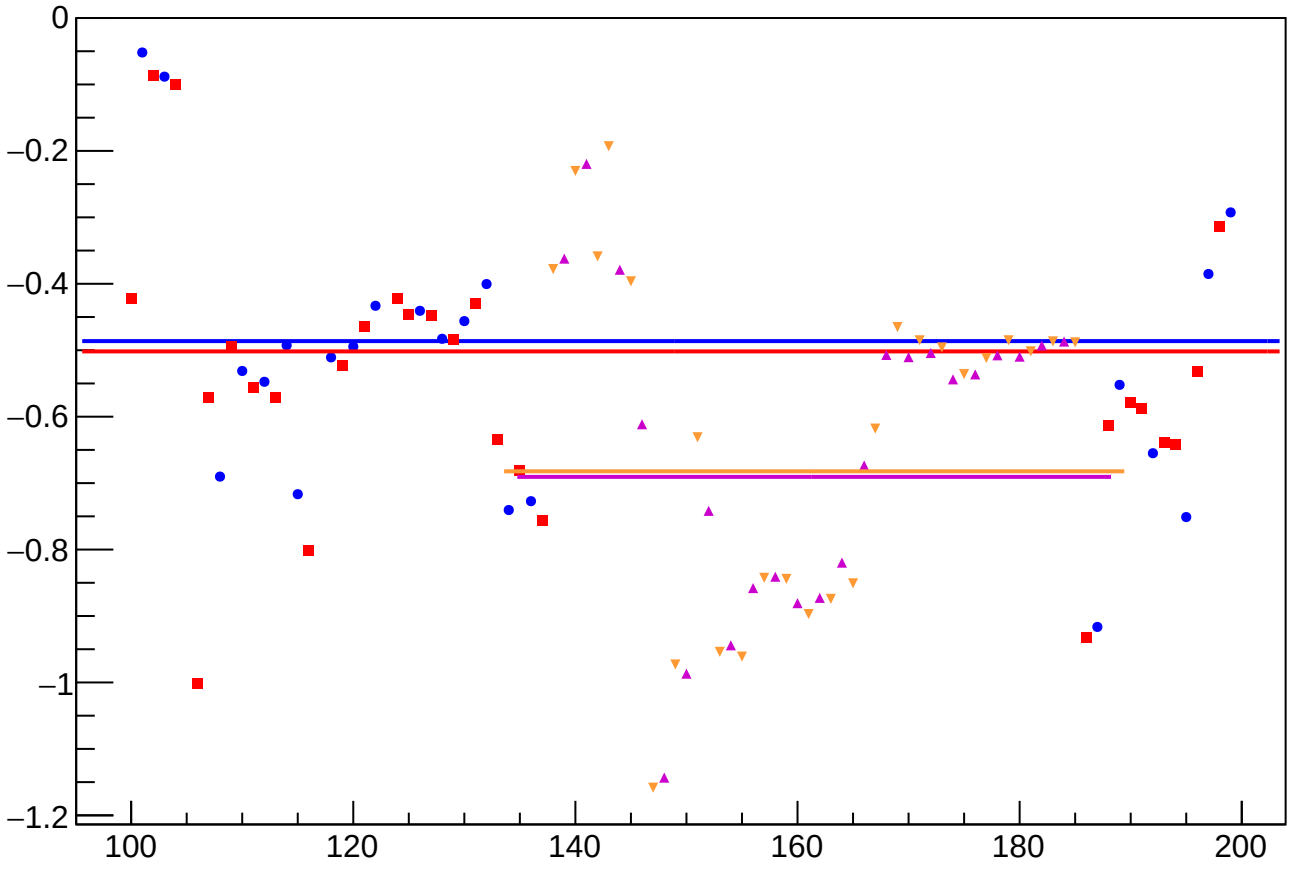
Left: 0.072+/-0.000 χ^2/NDF: 434657.5/47

Right: 0.074+/-0.000 χ^2/NDF: 392977.0/48

In: 0.073+/-0.000 χ^2/NDF:387400.9/44

Out: 0.073+/-0.000 χ^2/NDF:448373.2/51

All: 0.073+/-0.000 χ^2/NDF: 836203.4/96



Right In: -0.486+/-0.000 χ^2/NDF: 6606901146.9/21

Left Out: -0.682+/-0.000 χ^2/NDF:21823342960.4/24

Right Out: -0.502+/-0.000 χ^2/NDF: 5362479519.3/26

Left In: -0.691+/-0.000 χ^2/NDF:16867819938.3/22

Left: -0.686+/-0.000 χ^2/NDF: 38704767627.1/47

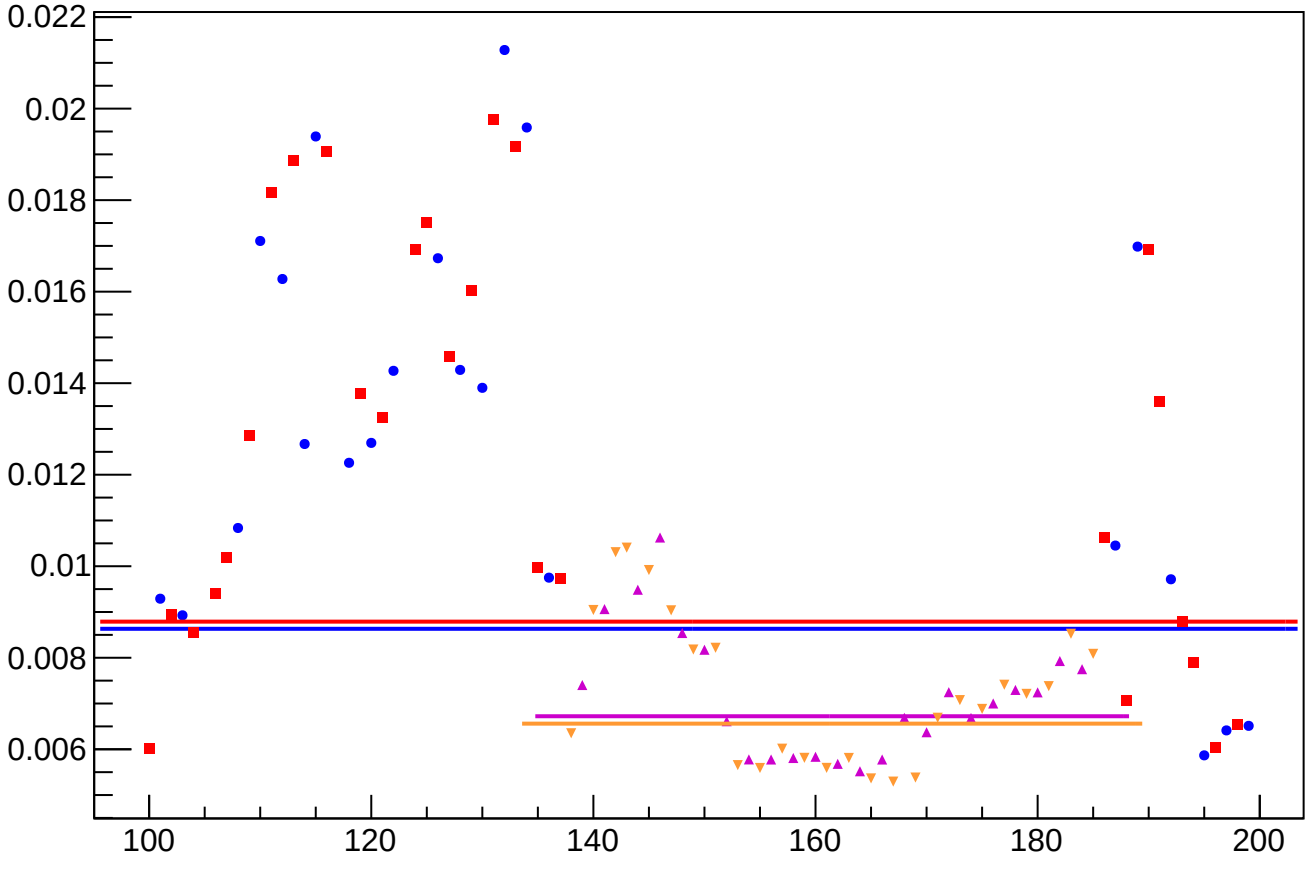
Right: -0.494+/-0.000 χ^2/NDF: 11984653456.4/48

In: -0.639+/-0.000 χ^2/NDF:27348183970.8/44

Out: -0.639+/-0.000 χ^2/NDF:30401087678.8/51

All: -0.639+/-0.000 χ^2/NDF: 57749401944.8/

yield_bpm0r03Y_rms vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 2609975.2/21

Left Out: 0.007+/-0.000 χ^2/NDF:1404221.4/24

Right Out: 0.009+/-0.000 χ^2/NDF: 2704652.9/26

Left In: 0.007+/-0.000 χ^2/NDF:960755.3/22

Left: 0.007+/-0.000 χ^2/NDF: 2375100.1/47

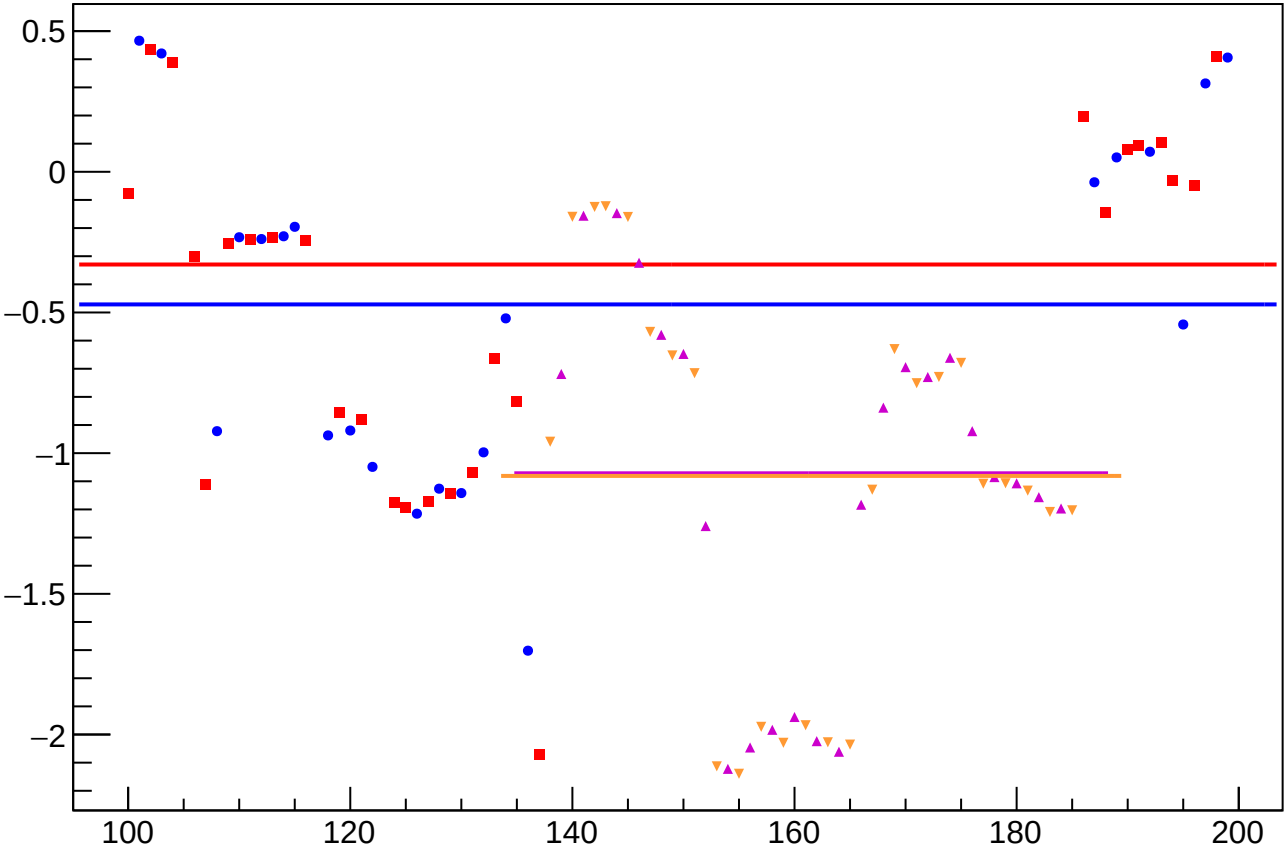
Right: 0.009+/-0.000 χ^2/NDF: 5317740.4/48

In: 0.007+/-0.000 χ^2/NDF:4248263.5/44

Out: 0.007+/-0.000 χ^2/NDF:5090147.2/51

All: 0.007+/-0.000 χ^2/NDF: 9343789.1/96

yield_bpm0r05X_mean vs Slug, Sign Corrected



Right In: -0.471+/-0.000 χ^2/NDF: 662472684.1/21

Left Out: -1.081+/-0.000 χ^2/NDF:1152285460.9/24

Right Out: -0.329+/-0.000 χ^2/NDF: 519939304.2/26

Left In: -1.072+/-0.000 χ^2/NDF:975623531.2/22

Left: -1.076+/-0.000 χ^2/NDF: 2128025374.6/47

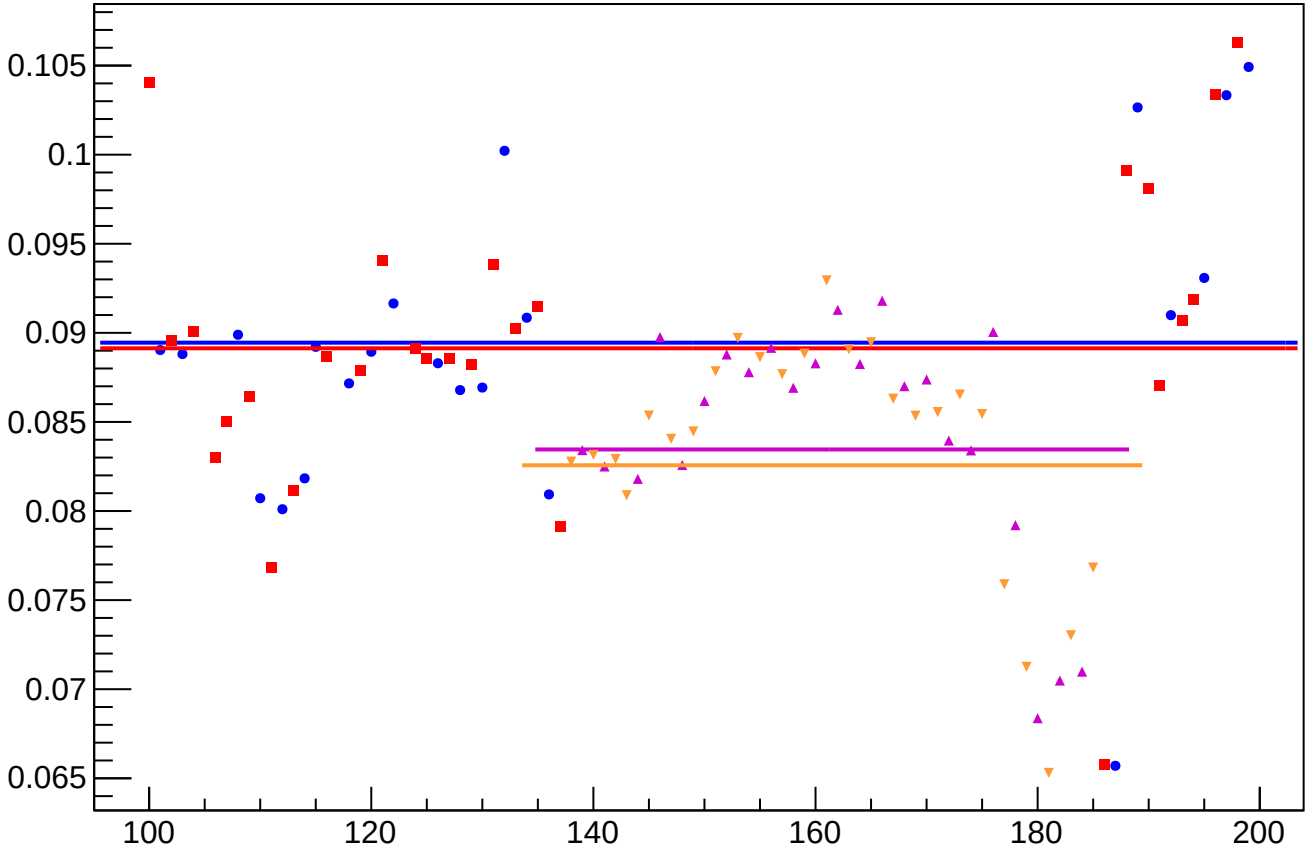
Right: -0.396+/-0.000 χ^2/NDF: 1197525409.7/48

In: -0.859+/-0.000 χ^2/NDF:1969269097.1/44

Out: -0.809+/-0.000 χ^2/NDF:2245360207.6/51

All: -0.833+/-0.000 χ^2/NDF: 4219950355.6/9

yield_bpm0r05X_rms vs Slug, Sign Corrected



Right In: 0.089+/-0.000 χ^2/NDF: 195439.2/21

Left Out: 0.083+/-0.000 χ^2/NDF:291134.3/24

Right Out: 0.089+/-0.000 χ^2/NDF: 259456.0/26

Left In: 0.083+/-0.000 χ^2/NDF:238412.3/22

Left: 0.083+/-0.000 χ^2/NDF: 531669.0/47

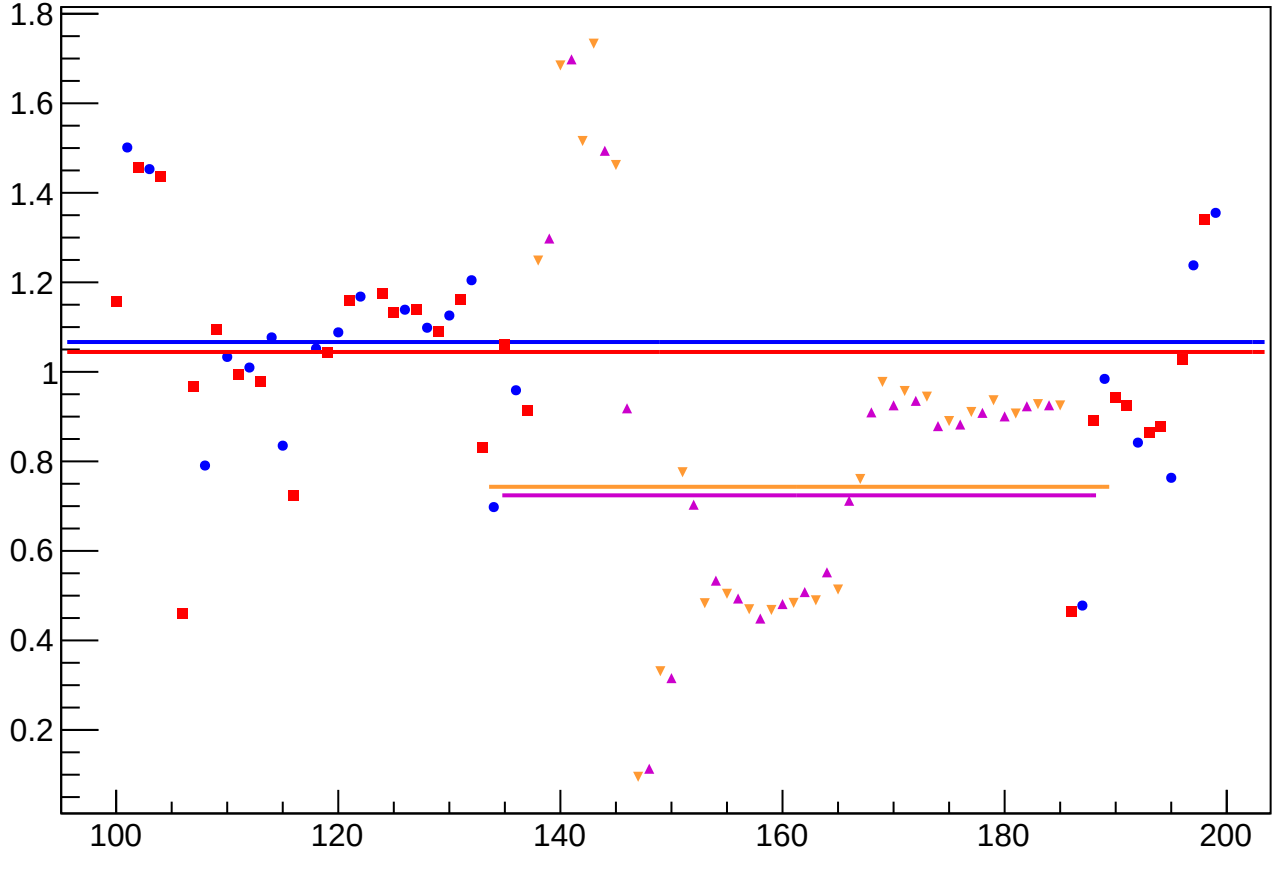
Right: 0.089+/-0.000 χ^2/NDF: 455045.2/48

In: 0.086+/-0.000 χ^2/NDF:499877.3/44

Out: 0.085+/-0.000 χ^2/NDF:638077.7/51

All: 0.085+/-0.000 χ^2/NDF: 1139628.8/96

yield_bpm0r05Y_mean vs Slug, Sign Corrected



Right In: 1.067+/-0.000 χ^2/NDF: 4184371224.2/21

Left Out: 0.743+/-0.000 χ^2/NDF:32581746516.6/24

Right Out: 1.044+/-0.000 χ^2/NDF: 3583092924.9/26

Left In: 0.724+/-0.000 χ^2/NDF:25654534031.9/22

Left: 0.734+/-0.000 χ^2/NDF: 58283506093.5/47

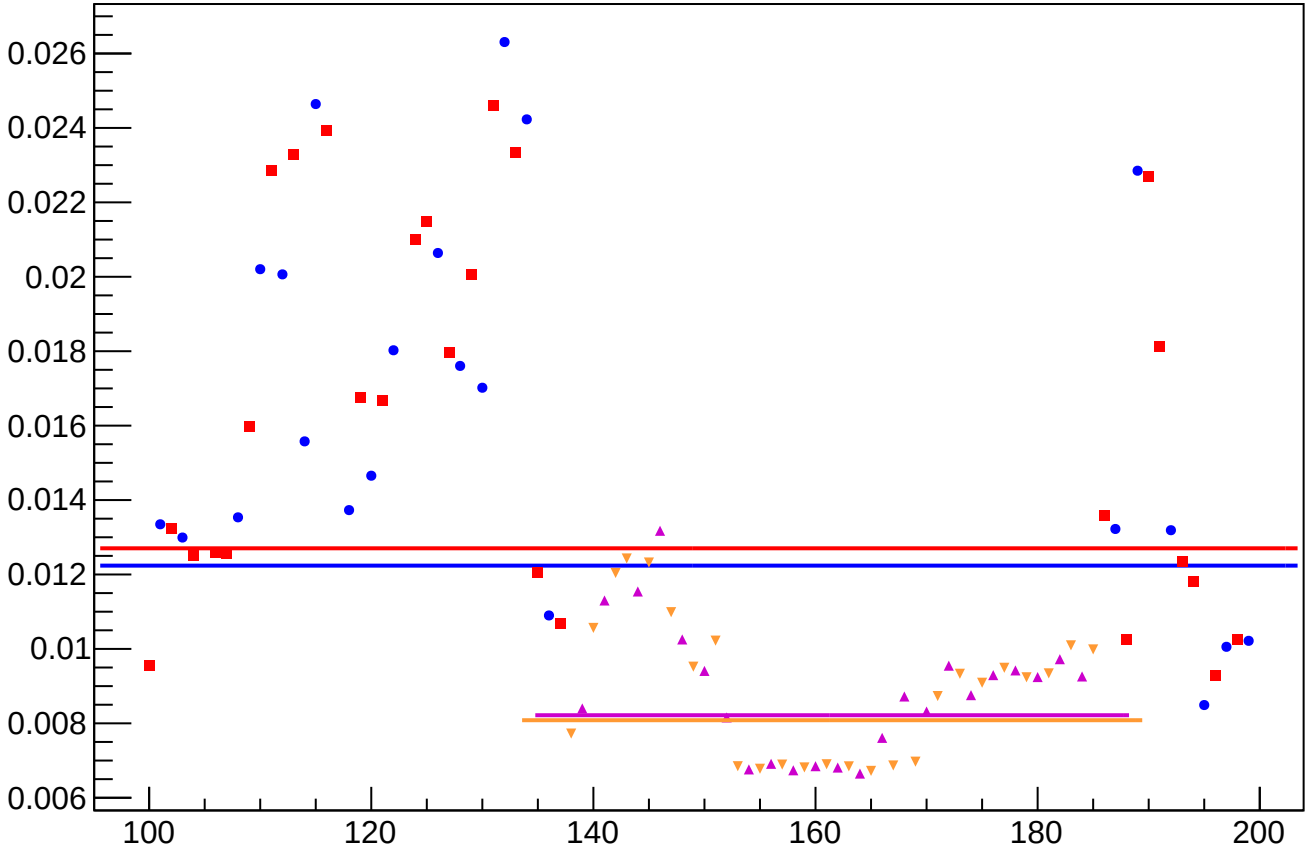
Right: 1.055+/-0.000 χ^2/NDF: 7783545437.6/48

In: 0.795+/-0.000 χ^2/NDF:35836777710.8/44

Out: 0.802+/-0.000 χ^2/NDF:40947052662.7/51

All: 0.798+/-0.000 χ^2/NDF: 76791551523.4/9

yield_bpm0r05Y_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 1715177.8/21

Left Out: 0.008+/-0.000 χ^2/NDF:1406307.1/24

Right Out: 0.013+/-0.000 χ^2/NDF: 1772675.0/26

Left In: 0.008+/-0.000 χ^2/NDF:1127833.6/22

Left: 0.008+/-0.000 χ^2/NDF: 2538791.6/47

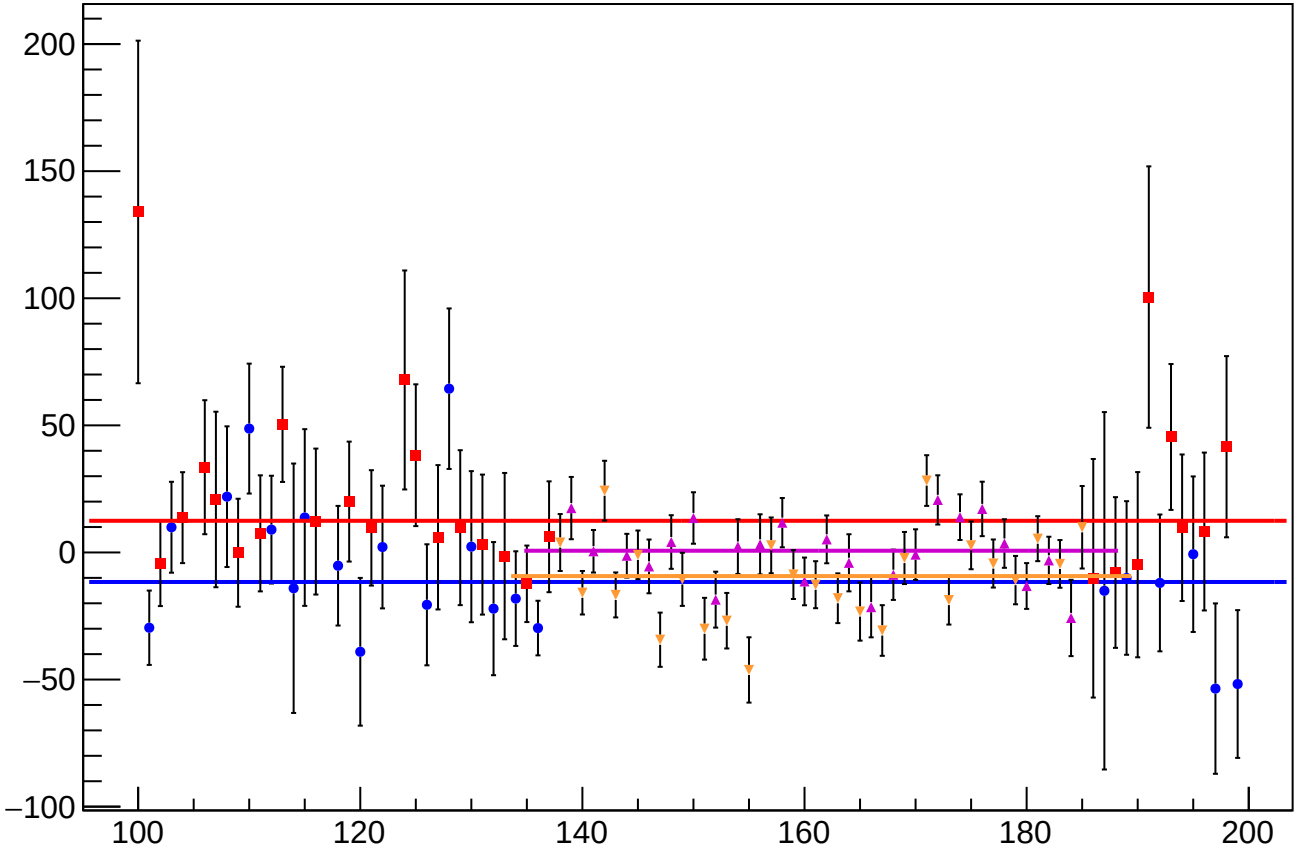
Right: 0.012+/-0.000 χ^2/NDF: 3501918.7/48

In: 0.009+/-0.000 χ^2/NDF:4495340.3/44

Out: 0.009+/-0.000 χ^2/NDF:5429230.4/51

All: 0.009+/-0.000 χ^2/NDF: 9925994.4/96

diff_bpm4aX_mean vs Slug, Sign Corrected



Right In: -11.615+/-4.906 χ^2/NDF: 25.7/21

Left Out: -9.292+/-2.031 χ^2/NDF:61.1/24

Right Out: 12.453+/-4.996 χ^2/NDF: 19.8/26

Left In: 0.676+/-2.104 χ^2/NDF:29.4/22

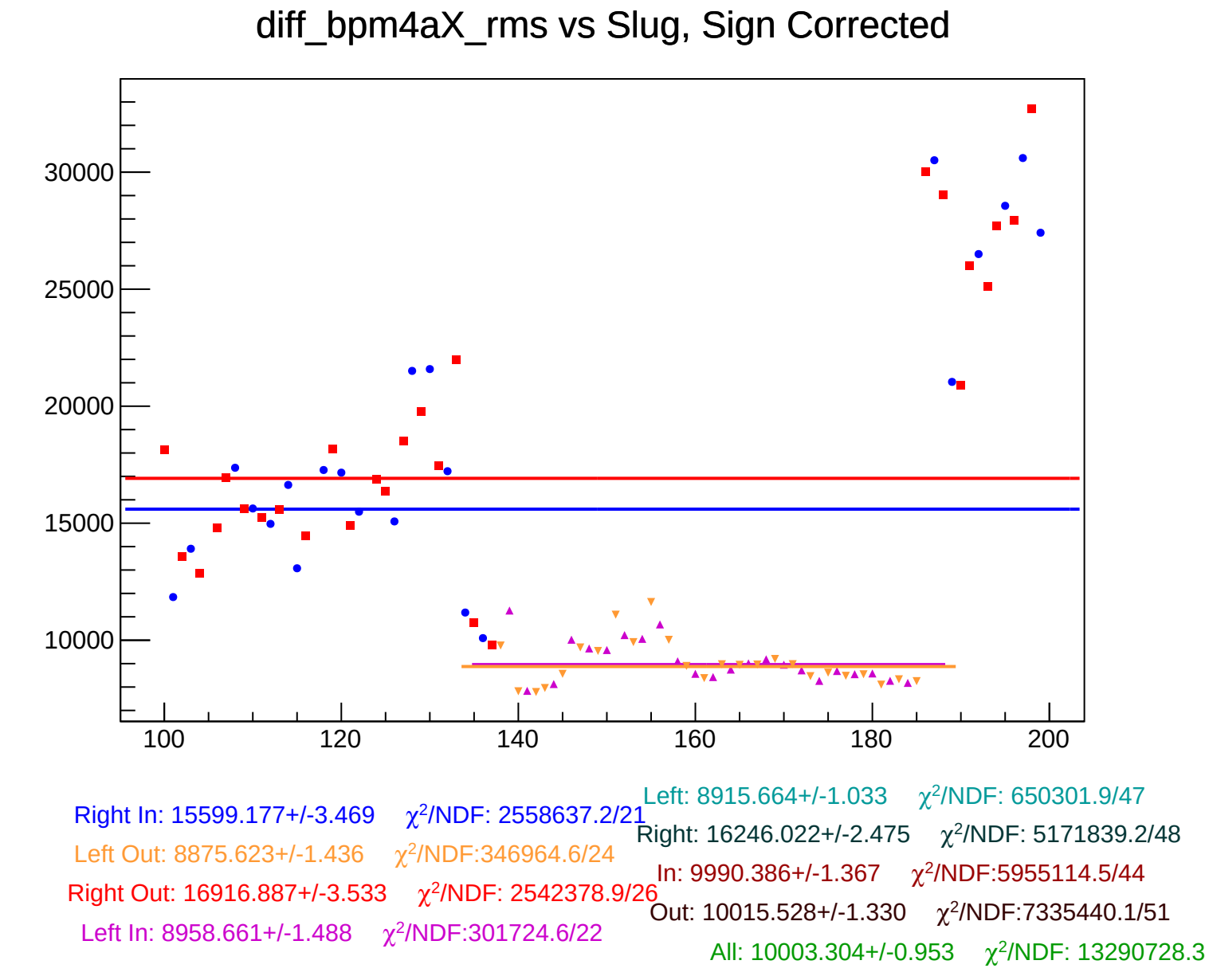
Left: -4.485+/-1.461 χ^2/NDF: 102.2/47

Right: 0.200+/-3.501 χ^2/NDF: 57.3/48

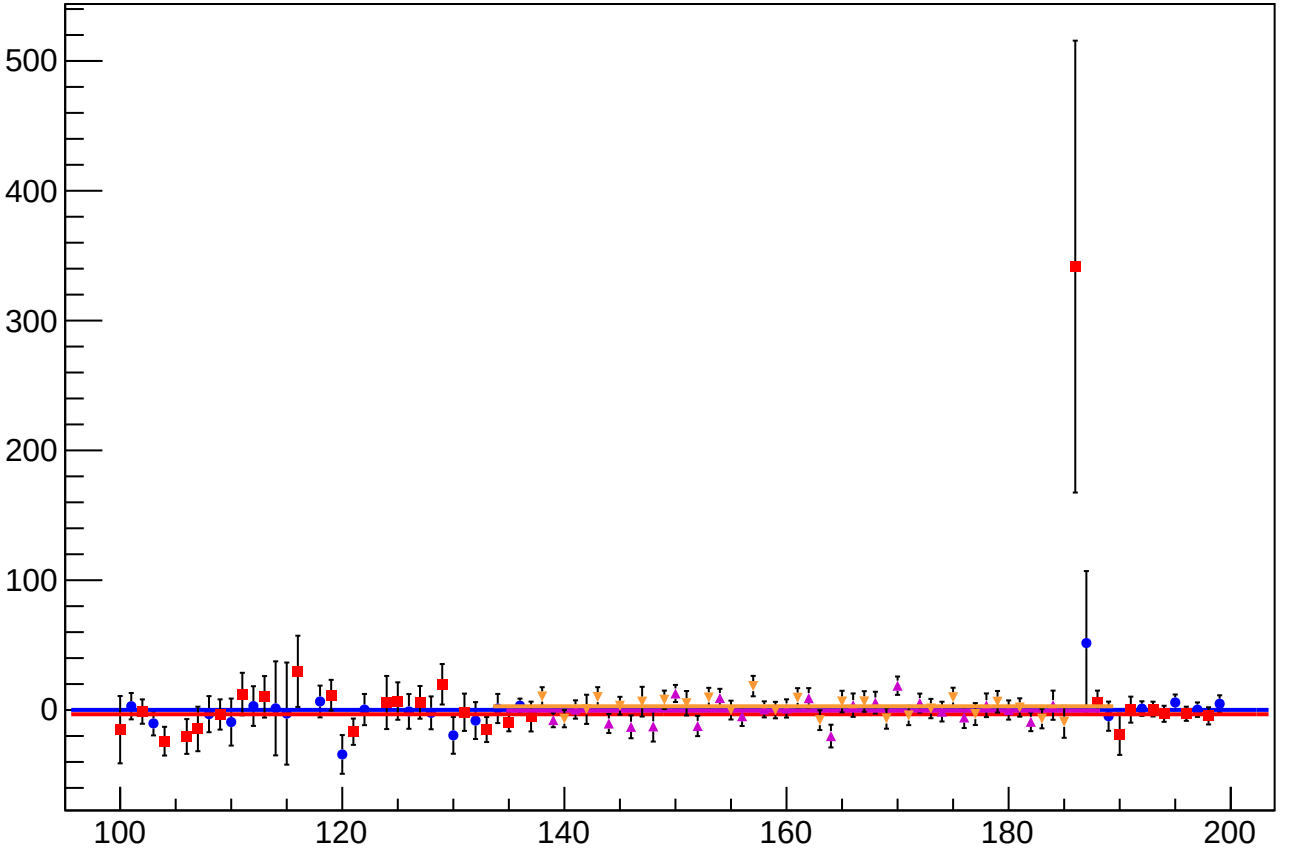
In: -1.234+/-1.934 χ^2/NDF:60.4/44

Out: -6.209+/-1.881 χ^2/NDF:97.2/51

All: -3.790+/-1.348 χ^2/NDF: 161.0/96


diff_bpm4aX_rms vs Slug, Sign Corrected
30000
25000
20000
15000
10000
100
120
140
160
180
200
Right In: 15599.177+/-3.469 χ²/NDF: 2558637.2/21
Left Out: 8875.623+/-1.436 χ²/NDF:346964.6/24
Right Out: 16916.887+/-3.533 χ²/NDF: 2542378.9/26
Left In: 8958.661+/-1.488 χ²/NDF:301724.6/22
Left: 8915.664+/-1.033 χ²/NDF: 650301.9/47
Right: 16246.022+/-2.475 χ²/NDF: 5171839.2/48
In: 9990.386+/-1.367 χ²/NDF:5955114.5/44
Out: 10015.528+/-1.330 χ²/NDF:7335440.1/51
All: 10003.304+/-0.953 χ²/NDF: 13290728.3

diff_bpm4aY_mean vs Slug, Sign Corrected



Right In: 0.109+/-2.045 χ^2/NDF: 12.4/21

Left Out: 2.879+/-1.554 χ^2/NDF:19.5/24

Right Out: -3.268+/-1.950 χ^2/NDF: 24.3/26

Left In: -0.456+/-1.581 χ^2/NDF:32.8/22

Left: 1.241+/-1.108 χ^2/NDF: 54.5/47

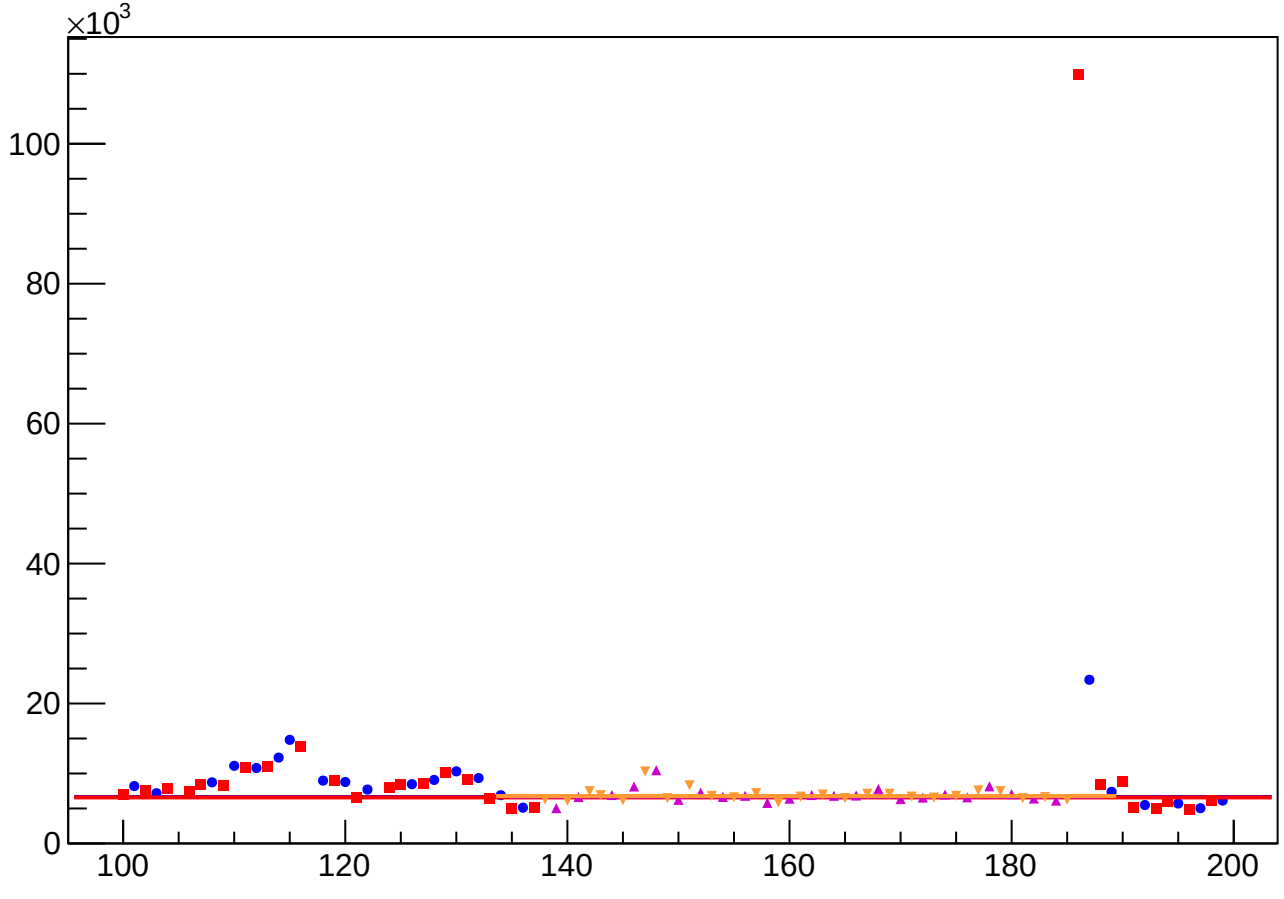
Right: -1.659+/-1.411 χ^2/NDF: 38.2/48

In: -0.244+/-1.251 χ^2/NDF:45.3/44

Out: 0.493+/-1.215 χ^2/NDF:49.9/51

All: 0.135+/-0.872 χ^2/NDF: 95.3/96

diff_bpm4aY_rms vs Slug, Sign Corrected



Right In: 6640.354+/-1.446 χ^2/NDF: 1606856.1/21

Left Out: 6776.739+/-1.099 χ^2/NDF:400166.7/24

Right Out: 6578.115+/-1.379 χ^2/NDF: 2292439.5/26

Left In: 6689.550+/-1.118 χ^2/NDF:620276.8/22

Left: 6733.914+/-0.784 χ^2/NDF: 1023536.8/47

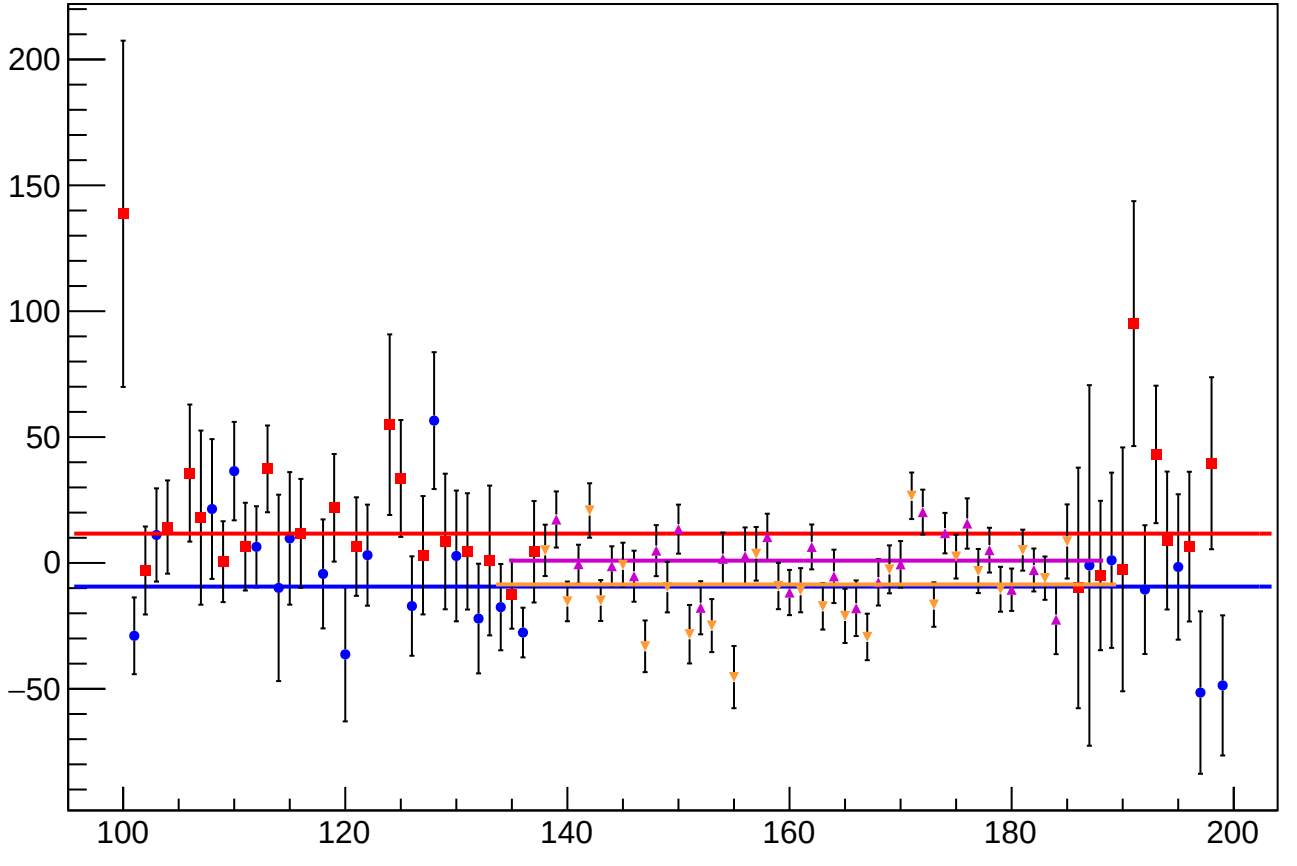
Right: 6607.762+/-0.998 χ^2/NDF: 3900265.7/48

In: 6671.140+/-0.885 χ^2/NDF:2227857.2/44

Out: 6699.627+/-0.859 χ^2/NDF:2705294.9/51

All: 6685.796+/-0.616 χ^2/NDF: 4933685.7/96

diff_bpm4eX_mean vs Slug, Sign Corrected



Right In: -9.393+/-4.456 χ^2/NDF: 26.7/21

Left Out: -8.536+/-1.897 χ^2/NDF:61.9/24

Right Out: 11.654+/-4.482 χ^2/NDF: 19.6/26

Left In: 0.919+/-1.969 χ^2/NDF:29.1/22

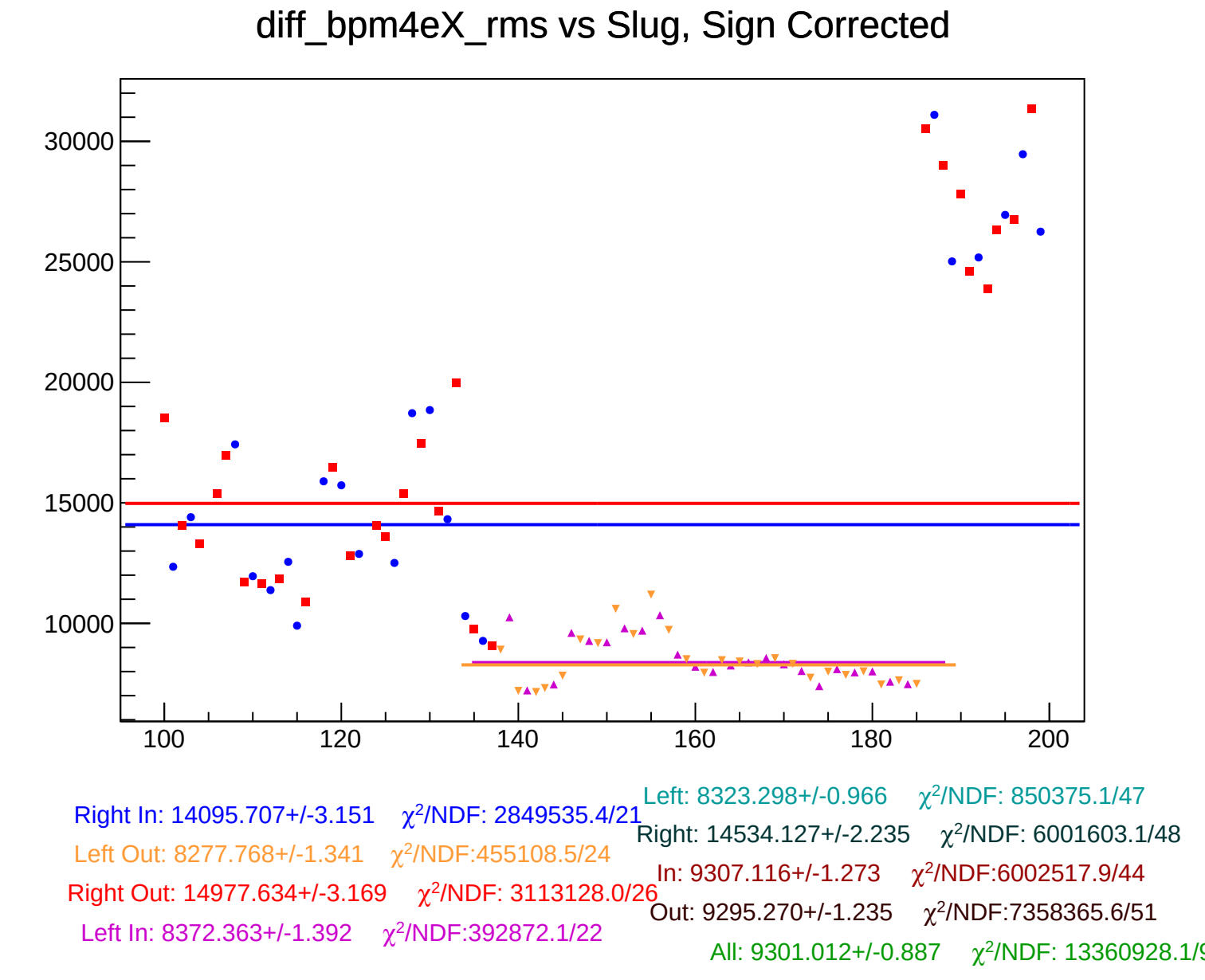
Left: -3.985+/-1.366 χ^2/NDF: 103.0/47

Right: 1.070+/-3.160 χ^2/NDF: 57.3/48

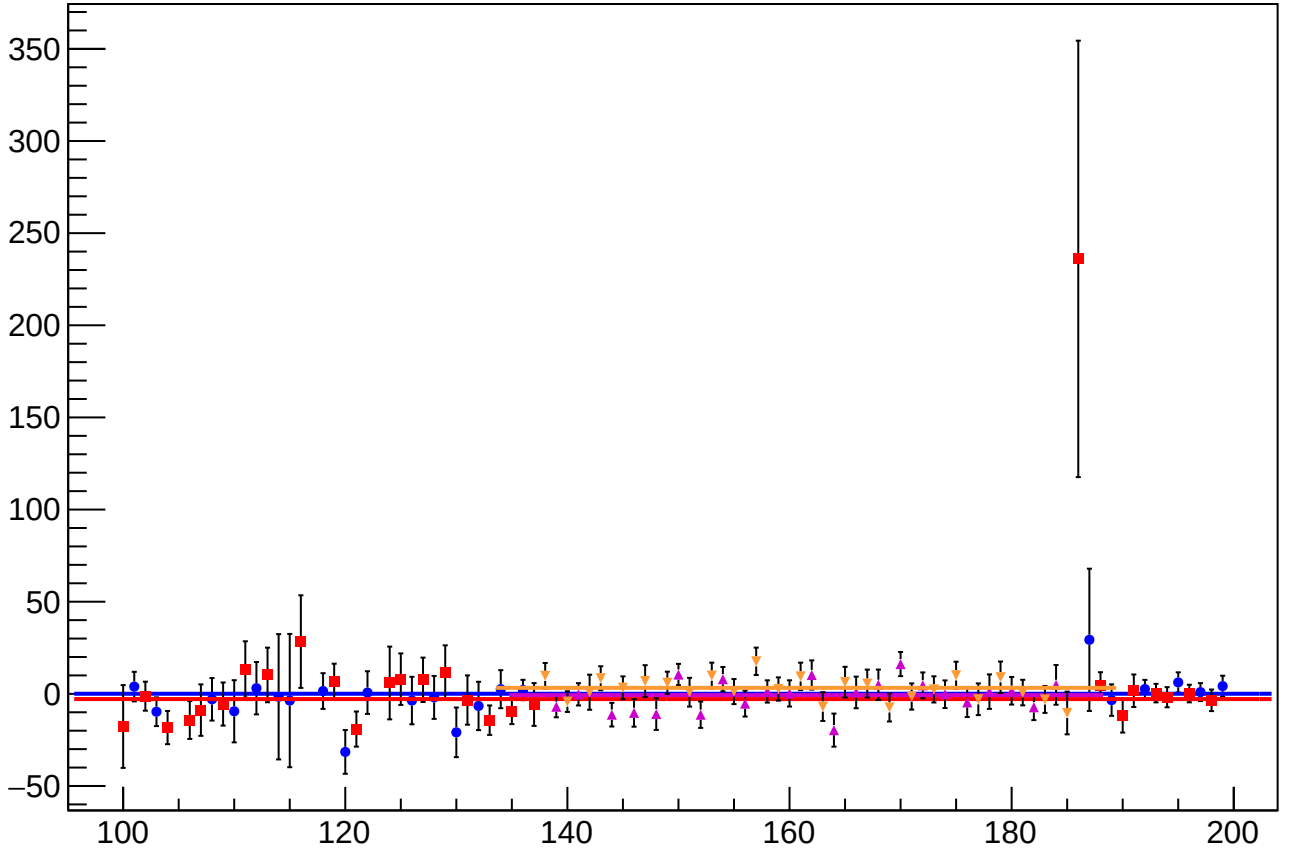
In: -0.765+/-1.801 χ^2/NDF:60.2/44

Out: -5.470+/-1.747 χ^2/NDF:98.7/51

All: -3.189+/-1.254 χ^2/NDF: 162.5/96


diff_bpm4eX_rms vs Slug, Sign Corrected
30000
25000
20000
15000
10000
100
120
140
160
180
200
Right In: 14095.707+/-3.151 χ²/NDF: 2849535.4/21
Left Out: 8277.768+/-1.341 χ²/NDF:455108.5/24
Right Out: 14977.634+/-3.169 χ²/NDF: 3113128.0/26
Left In: 8372.363+/-1.392 χ²/NDF:392872.1/22
Left: 8323.298+/-0.966 χ²/NDF: 850375.1/47
Right: 14534.127+/-2.235 χ²/NDF: 6001603.1/48
In: 9307.116+/-1.273 χ²/NDF:6002517.9/44
Out: 9295.270+/-1.235 χ²/NDF:7358365.6/51
All: 9301.012+/-0.887 χ²/NDF: 13360928.1/9

diff_bpm4eY_mean vs Slug, Sign Corrected



Right In: 0.051+/-1.814 χ^2/NDF: 15.2/21

Left Out: 3.255+/-1.457 χ^2/NDF:17.6/24

Right Out: -2.841+/-1.708 χ^2/NDF: 25.0/26

Left In: -0.645+/-1.499 χ^2/NDF:30.8/22

Left: 1.360+/-1.045 χ^2/NDF: 51.9/47

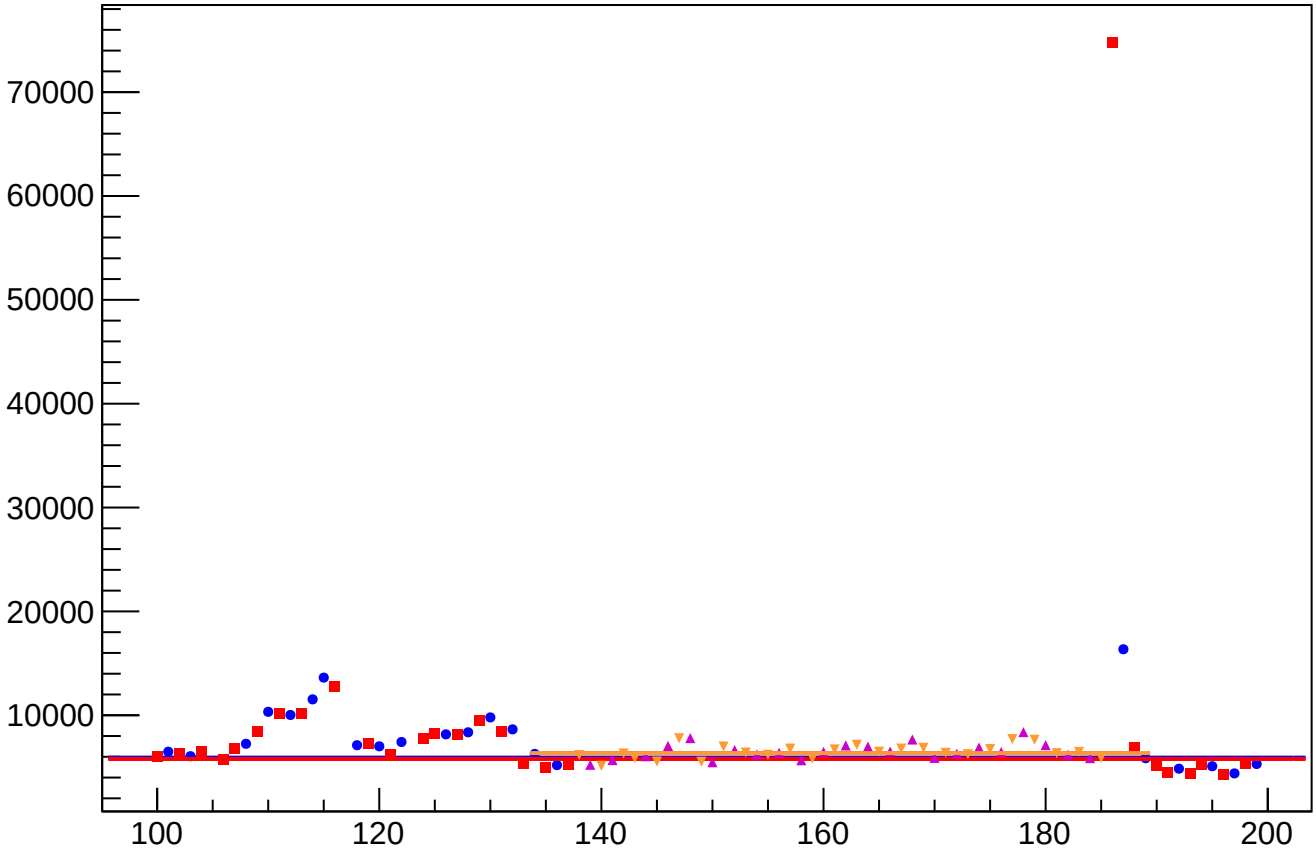
Right: -1.483+/-1.243 χ^2/NDF: 41.5/48

In: -0.363+/-1.156 χ^2/NDF:46.0/44

Out: 0.686+/-1.108 χ^2/NDF:50.0/51

All: 0.184+/-0.800 χ^2/NDF: 96.4/96

diff_bpm4eY_rms vs Slug, Sign Corrected



Right In: 5918.434+/-1.283 χ^2/NDF: 1507208.1/21

Left Out: 6357.608+/-1.030 χ^2/NDF:414119.5/24

Right Out: 5789.569+/-1.207 χ^2/NDF: 2258132.9/26

Left In: 6359.907+/-1.060 χ^2/NDF:473875.4/22

Left: 6358.725+/-0.739 χ^2/NDF: 887997.3/47

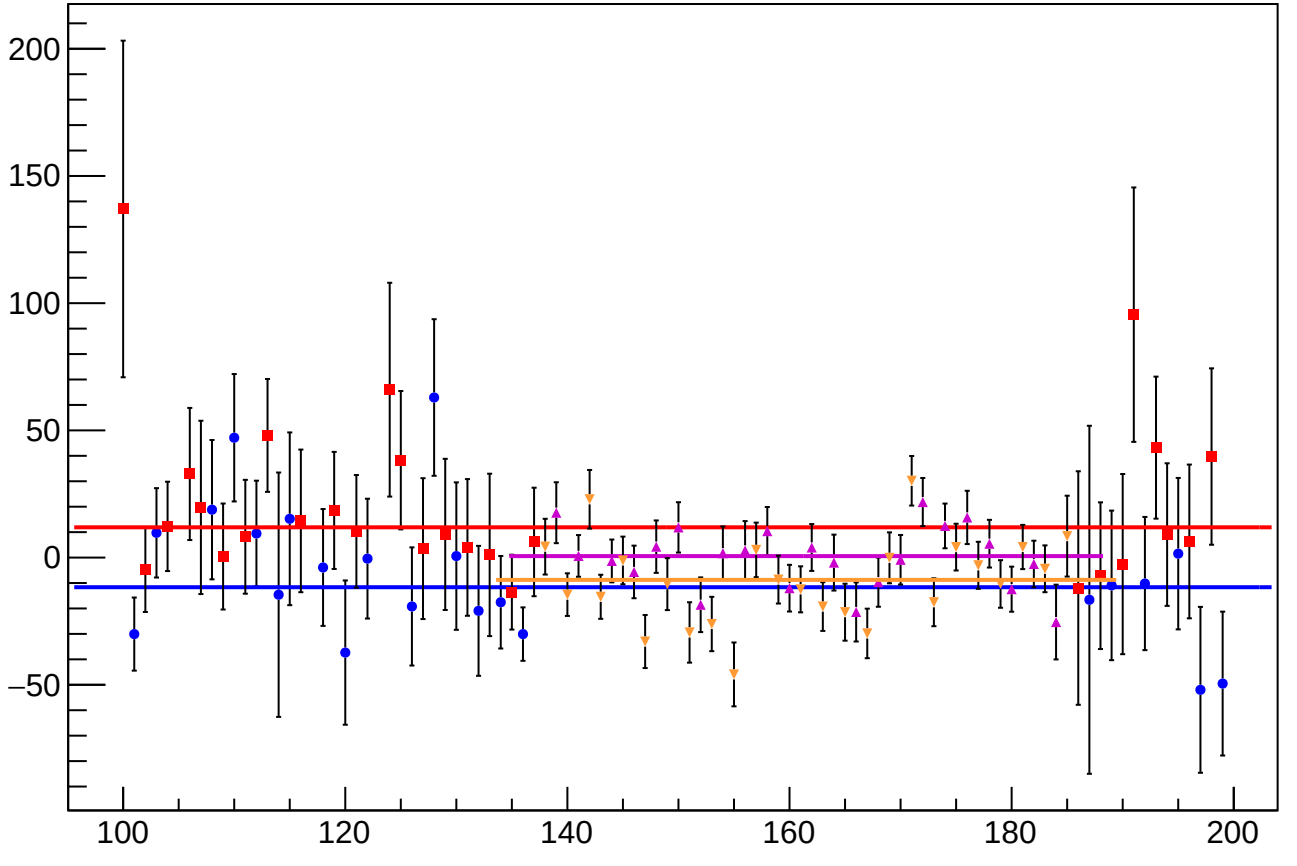
Right: 5850.097+/-0.879 χ^2/NDF: 3770691.3/48

In: 6180.775+/-0.817 χ^2/NDF:2051449.9/44

Out: 6118.247+/-0.784 χ^2/NDF:2800321.0/51

All: 6148.205+/-0.566 χ^2/NDF: 4854820.2/96

diff_bpm4acX_mean vs Slug, Sign Corrected



Right In: -11.648+/-4.798 χ^2/NDF: 25.7/21

Left Out: -8.767+/-1.987 χ^2/NDF:62.7/24

Right Out: 11.899+/-4.885 χ^2/NDF: 20.0/26

Left In: 0.579+/-2.059 χ^2/NDF:29.6/22

Left: -4.260+/-1.430 χ^2/NDF: 102.9/47

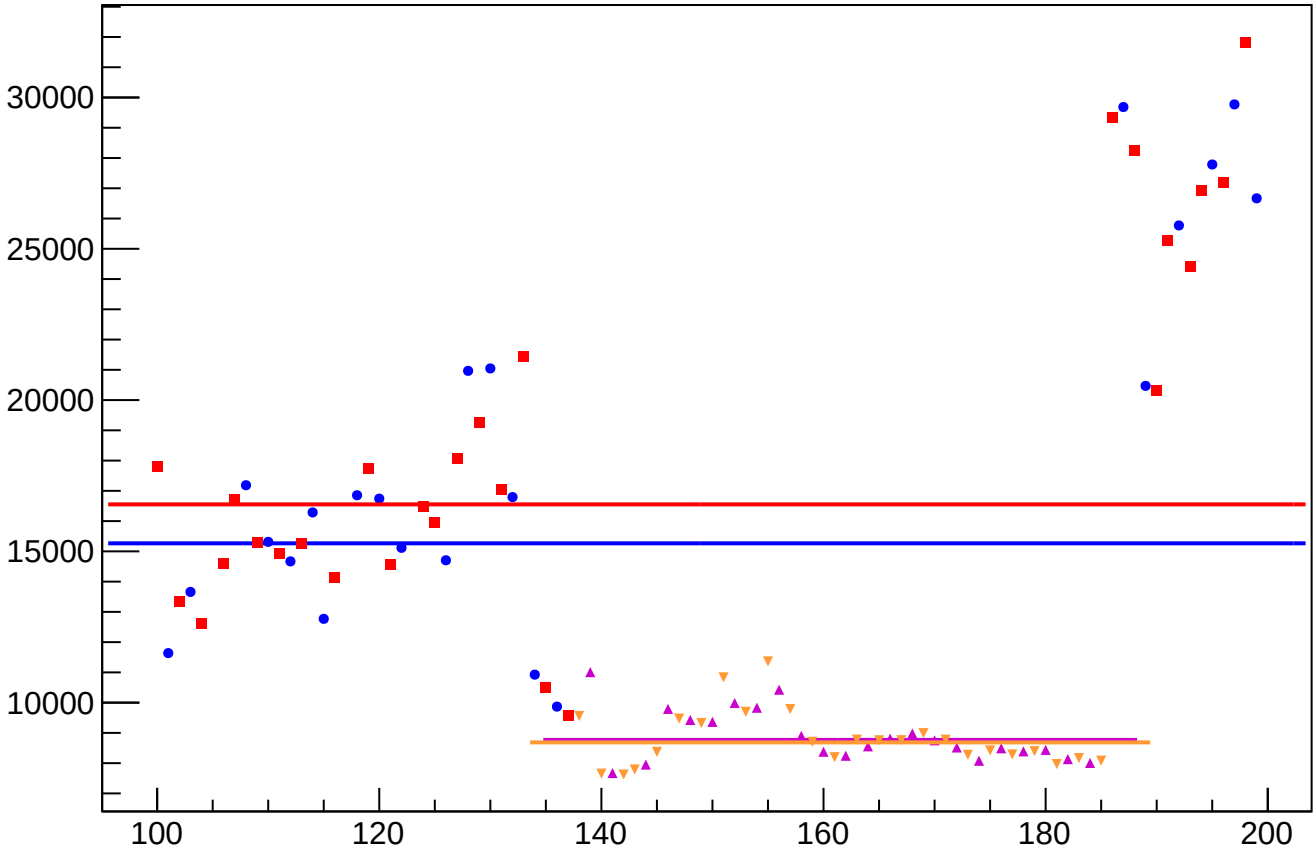
Right: -0.088+/-3.423 χ^2/NDF: 57.5/48

In: -1.323+/-1.892 χ^2/NDF:60.8/44

Out: -5.833+/-1.841 χ^2/NDF:98.0/51

All: -3.640+/-1.319 χ^2/NDF: 161.7/96

diff_bpm4acX_rms vs Slug, Sign Corrected



Right In: 15265.328+/-3.392 χ^2/NDF: 2529485.5/21

Left Out: 8686.048+/-1.405 χ^2/NDF:340655.6/24

Right Out: 16553.226+/-3.454 χ^2/NDF: 2507921.1/26

Left In: 8767.705+/-1.456 χ^2/NDF:295552.8/22

Left: 8725.421+/-1.011 χ^2/NDF: 637837.1/47

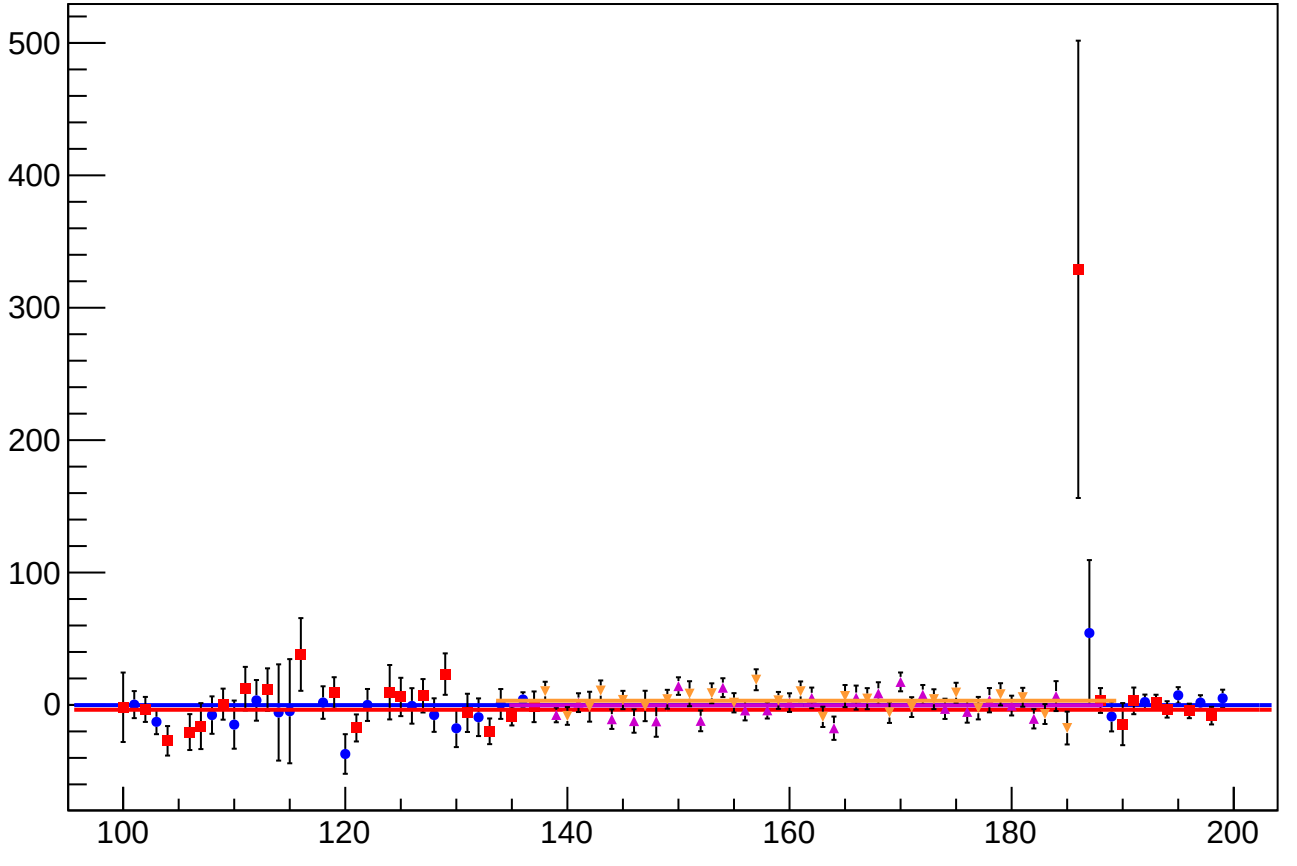
Right: 15897.607+/-2.420 χ^2/NDF: 5108165.5/48

In: 9778.462+/-1.338 χ^2/NDF:5922959.0/44

Out: 9802.753+/-1.301 χ^2/NDF:7299002.1/51

All: 9790.943+/-0.933 χ^2/NDF: 13222130.4/9

diff_bpm4acY_mean vs Slug, Sign Corrected



Right In: -0.138+/-2.053 χ^2/NDF: 15.8/21

Left Out: 3.171+/-1.562 χ^2/NDF:21.7/24

Right Out: -3.645+/-1.959 χ^2/NDF: 28.2/26

Left In: -0.269+/-1.590 χ^2/NDF:34.2/22

Left: 1.482+/-1.114 χ^2/NDF: 58.3/47

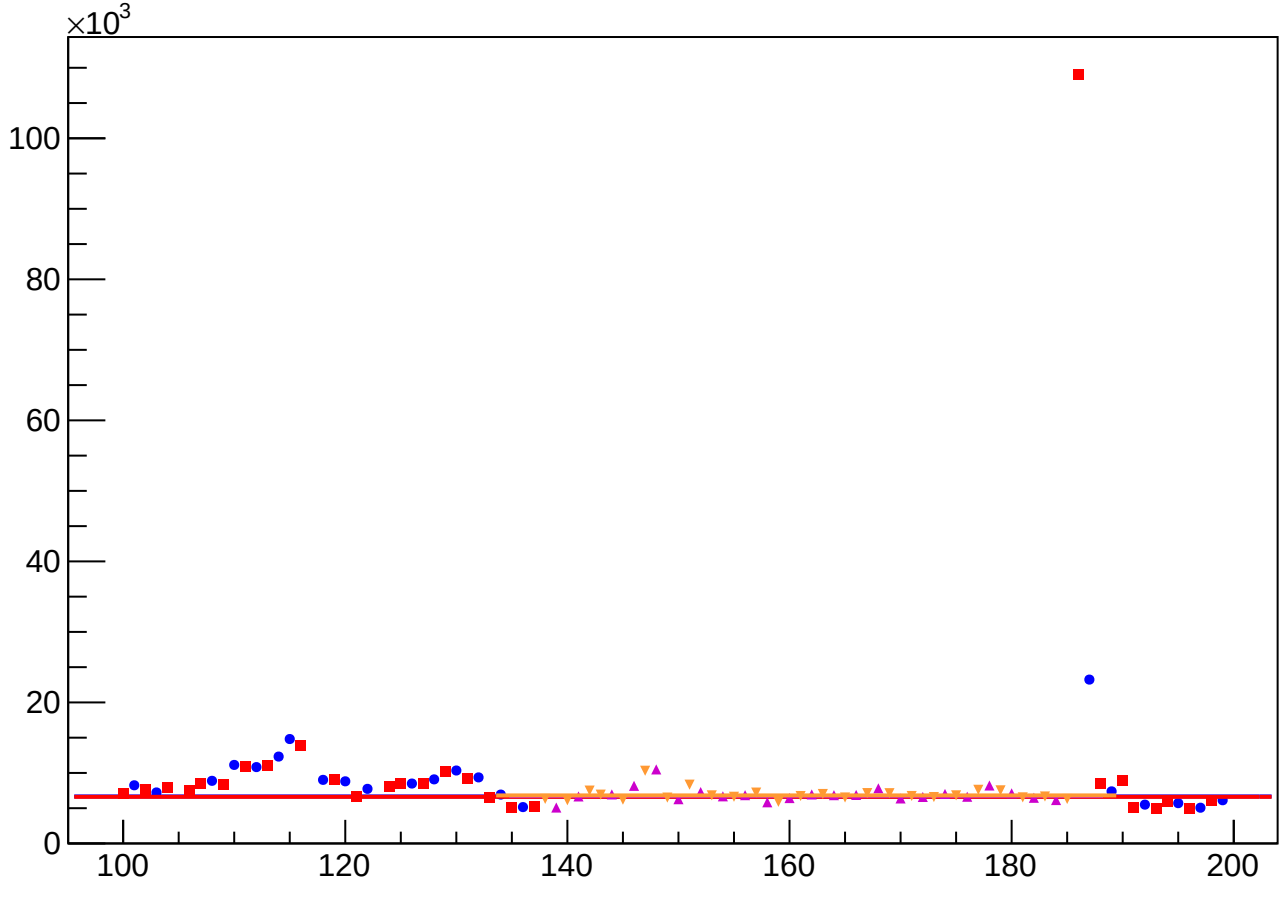
Right: -1.974+/-1.418 χ^2/NDF: 45.5/48

In: -0.220+/-1.257 χ^2/NDF:50.0/44

Out: 0.523+/-1.221 χ^2/NDF:57.3/51

All: 0.162+/-0.876 χ^2/NDF: 107.5/96

diff_bpm4acY_rms vs Slug, Sign Corrected



Right In: 6668.973+/-1.452 χ^2/NDF: 1603719.0/21

Left Out: 6812.964+/-1.104 χ^2/NDF:394620.8/24

Right Out: 6610.789+/-1.386 χ^2/NDF: 2286063.4/26

Left In: 6727.864+/-1.124 χ^2/NDF:610037.3/22

Left: 6771.179+/-0.788 χ^2/NDF: 1007573.6/47

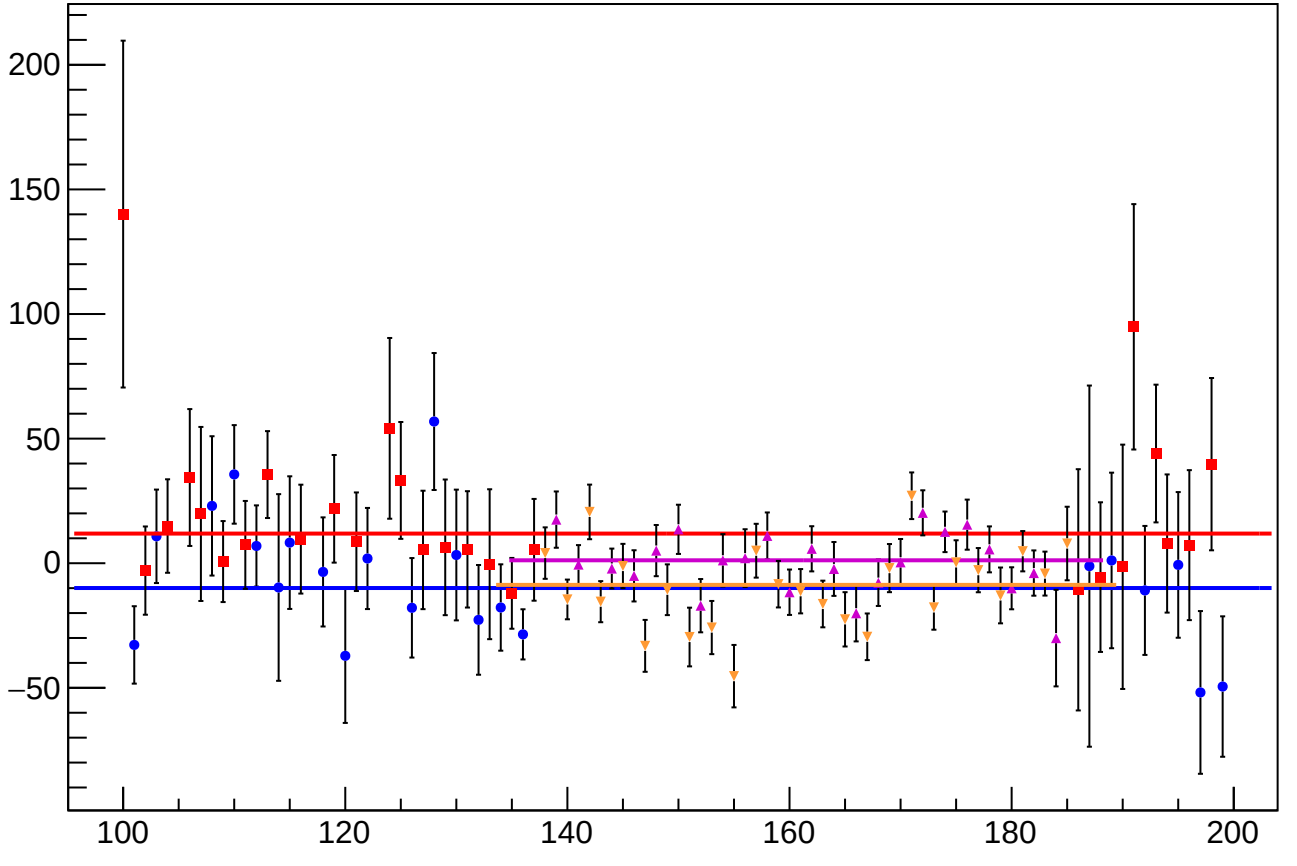
Right: 6638.520+/-1.002 χ^2/NDF: 3890622.8/48

In: 6705.786+/-0.889 χ^2/NDF:2214784.6/44

Out: 6734.419+/-0.864 χ^2/NDF:2693704.1/51

All: 6720.518+/-0.619 χ^2/NDF: 4909022.4/96

diff_bpm4ecX_mean vs Slug, Sign Corrected



Right In: -9.953+/-4.517 χ^2/NDF: 27.2/21

Left Out: -8.692+/-1.936 χ^2/NDF:61.4/24

Right Out: 11.894+/-4.546 χ^2/NDF: 18.5/26

Left In: 1.174+/-2.012 χ^2/NDF:28.6/22

Left: -3.950+/-1.395 χ^2/NDF: 102.4/47

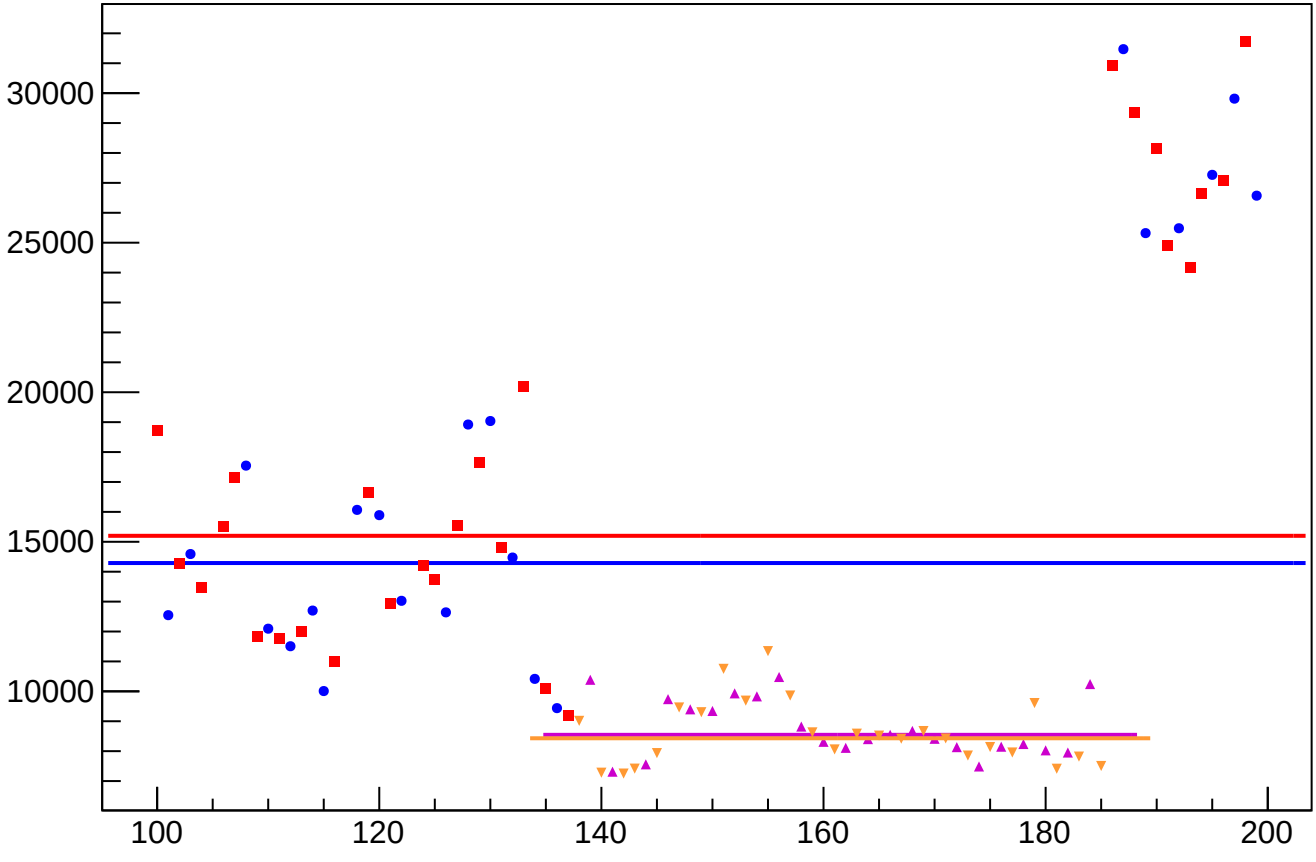
Right: 0.900+/-3.204 χ^2/NDF: 57.3/48

In: -0.669+/-1.838 χ^2/NDF:60.8/44

Out: -5.532+/-1.781 χ^2/NDF:97.3/51

All: -3.177+/-1.279 χ^2/NDF: 161.7/96

diff_bpm4ecX_rms vs Slug, Sign Corrected



Right In: 14289.656+/-3.194 χ^2/NDF: 2828821.1/21

Left Out: 8430.683+/-1.369 χ^2/NDF:484653.2/24

Right Out: 15199.880+/-3.215 χ^2/NDF: 3077806.8/26

Left In: 8545.534+/-1.423 χ^2/NDF:389747.0/22

Left: 8485.892+/-0.987 χ^2/NDF: 877783.2/47

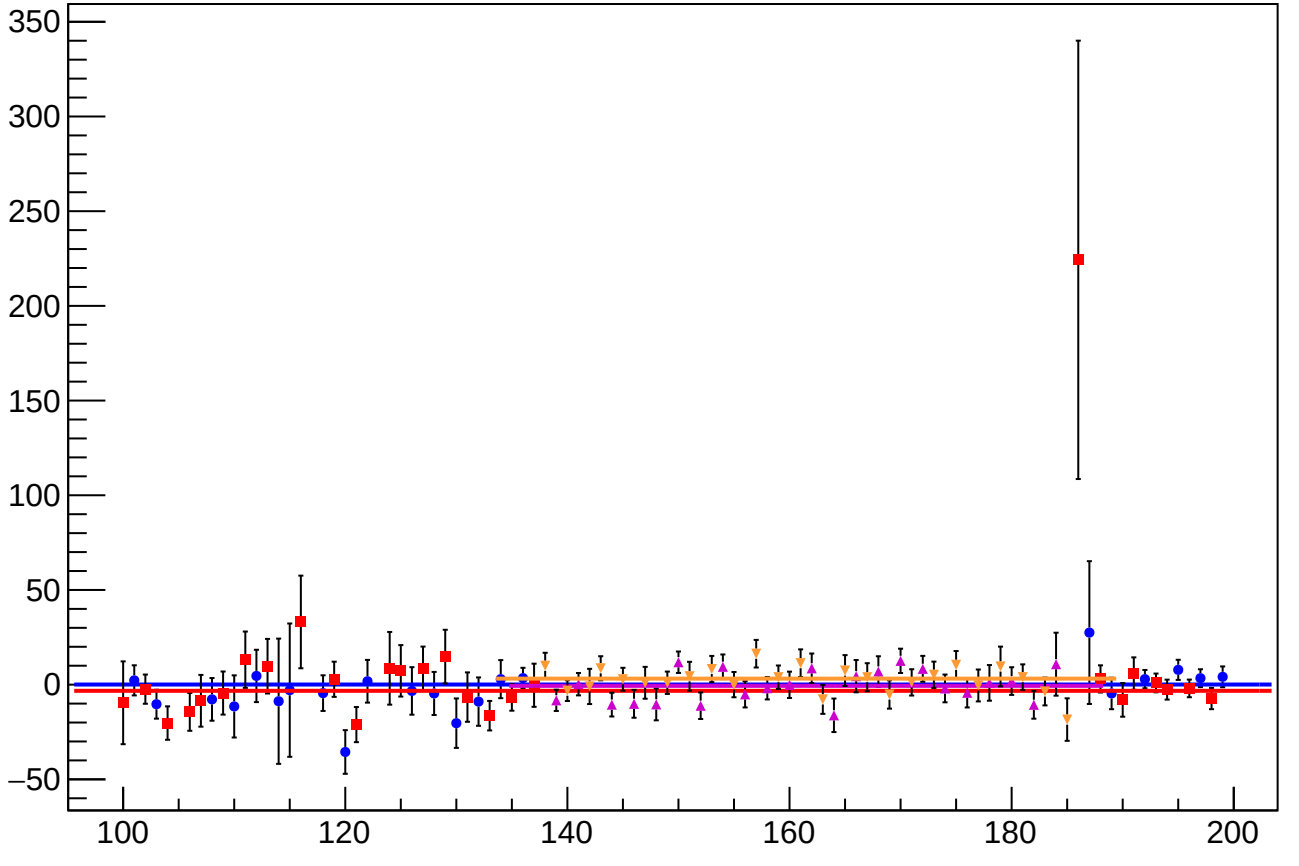
Right: 14741.816+/-2.266 χ^2/NDF: 5946972.0/48

In: 9496.834+/-1.300 χ^2/NDF:5917264.8/44

Out: 9469.904+/-1.260 χ^2/NDF:7315602.7/51

All: 9482.946+/-0.905 χ^2/NDF: 13233088.8/9

diff_bpm4ecY_mean vs Slug, Sign Corrected



Right In: 0.070+/-1.770 χ^2/NDF: 20.9/21

Left Out: 3.185+/-1.435 χ^2/NDF:18.7/24

Right Out: -3.255+/-1.666 χ^2/NDF: 27.8/26

Left In: -0.633+/-1.482 χ^2/NDF:31.8/22

Left: 1.337+/-1.031 χ^2/NDF: 53.9/47

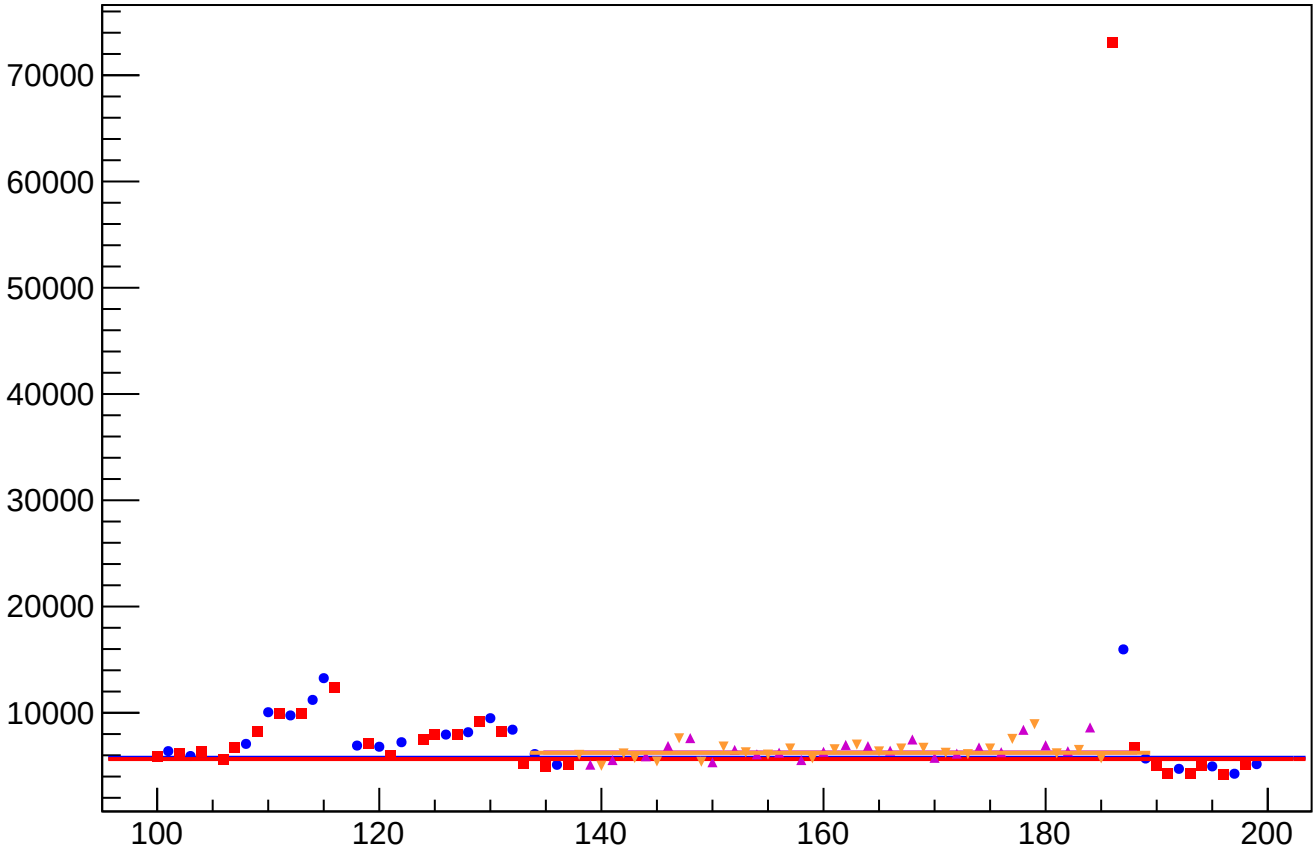
Right: -1.693+/-1.213 χ^2/NDF: 50.6/48

In: -0.344+/-1.136 χ^2/NDF:52.8/44

Out: 0.442+/-1.087 χ^2/NDF:55.0/51

All: 0.067+/-0.785 χ^2/NDF: 108.1/96

diff_bpm4ecY_rms vs Slug, Sign Corrected



Right In: 5768.559+/-1.251 χ^2/NDF: 1510800.3/21

Left Out: 6237.931+/-1.015 χ^2/NDF:507726.8/24

Right Out: 5646.005+/-1.178 χ^2/NDF: 2240409.4/26

Left In: 6268.263+/-1.048 χ^2/NDF:524326.6/22

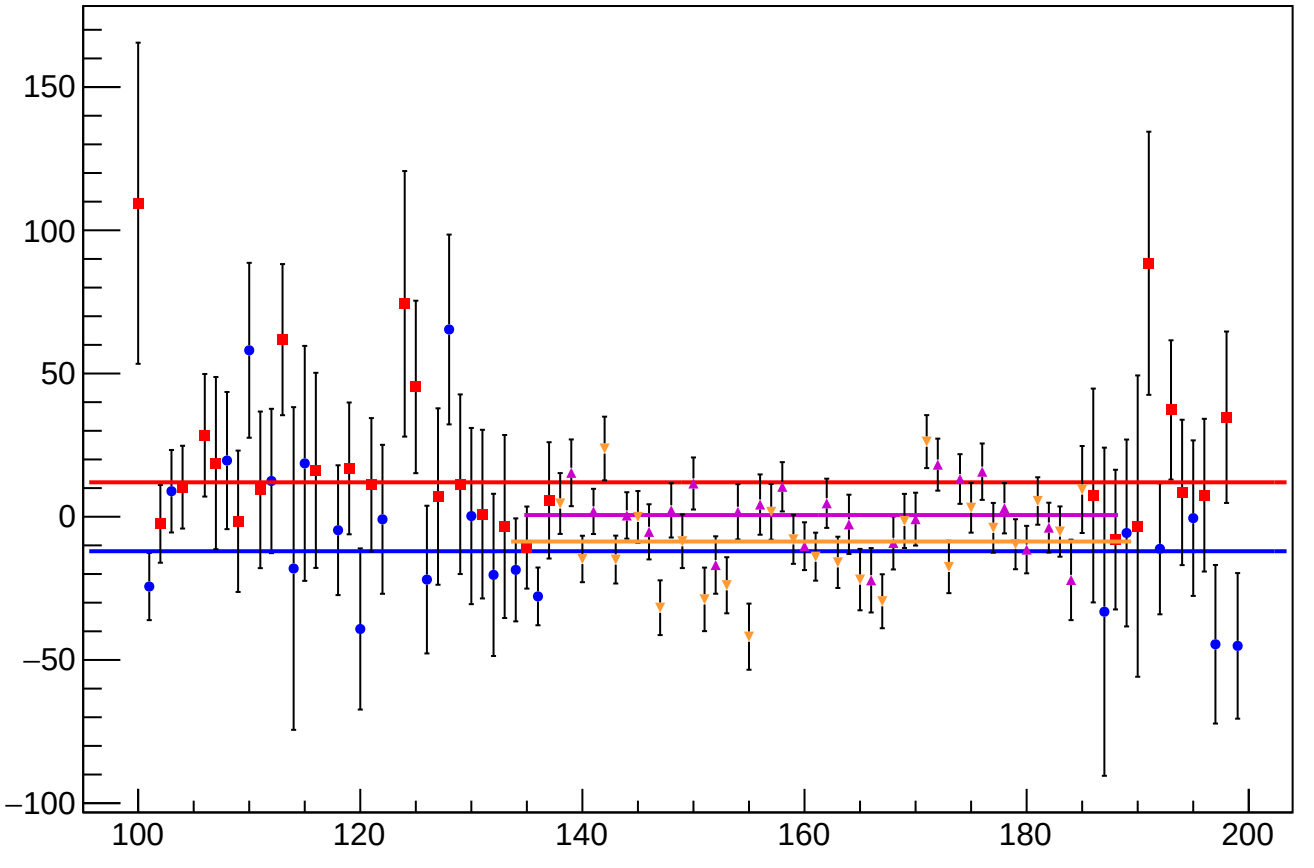
Left: 6252.609+/-0.729 χ^2/NDF: 1032485.9/47

Right: 5703.582+/-0.858 χ^2/NDF: 3756295.3/48

In: 6062.315+/-0.803 χ^2/NDF:2128873.9/44

Out: 5985.829+/-0.769 χ^2/NDF:2893112.0/51

All: 6022.389+/-0.555 χ^2/NDF: 5026717.9/96



Right In: -12.043+/-4.608 χ^2/NDF: 24.8/21

Left Out: -8.650+/-1.875 χ^2/NDF:63.0/24

Right Out: 12.018+/-4.718 χ^2/NDF: 20.1/26

Left In: 0.583+/-1.939 χ^2/NDF:28.5/22

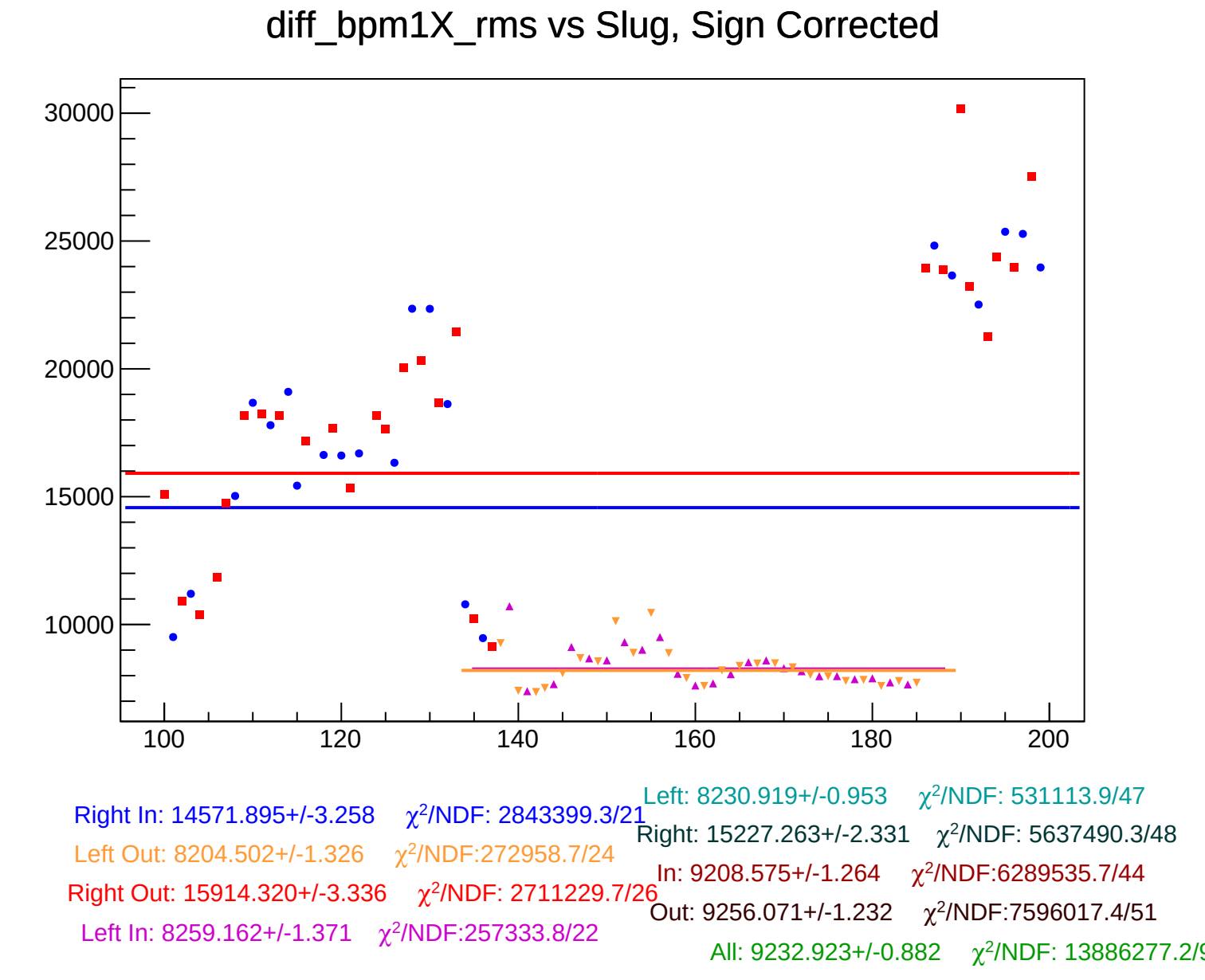
Left: -4.188+/-1.348 χ^2/NDF: 103.3/47

Right: -0.297+/-3.297 χ^2/NDF: 58.2/48

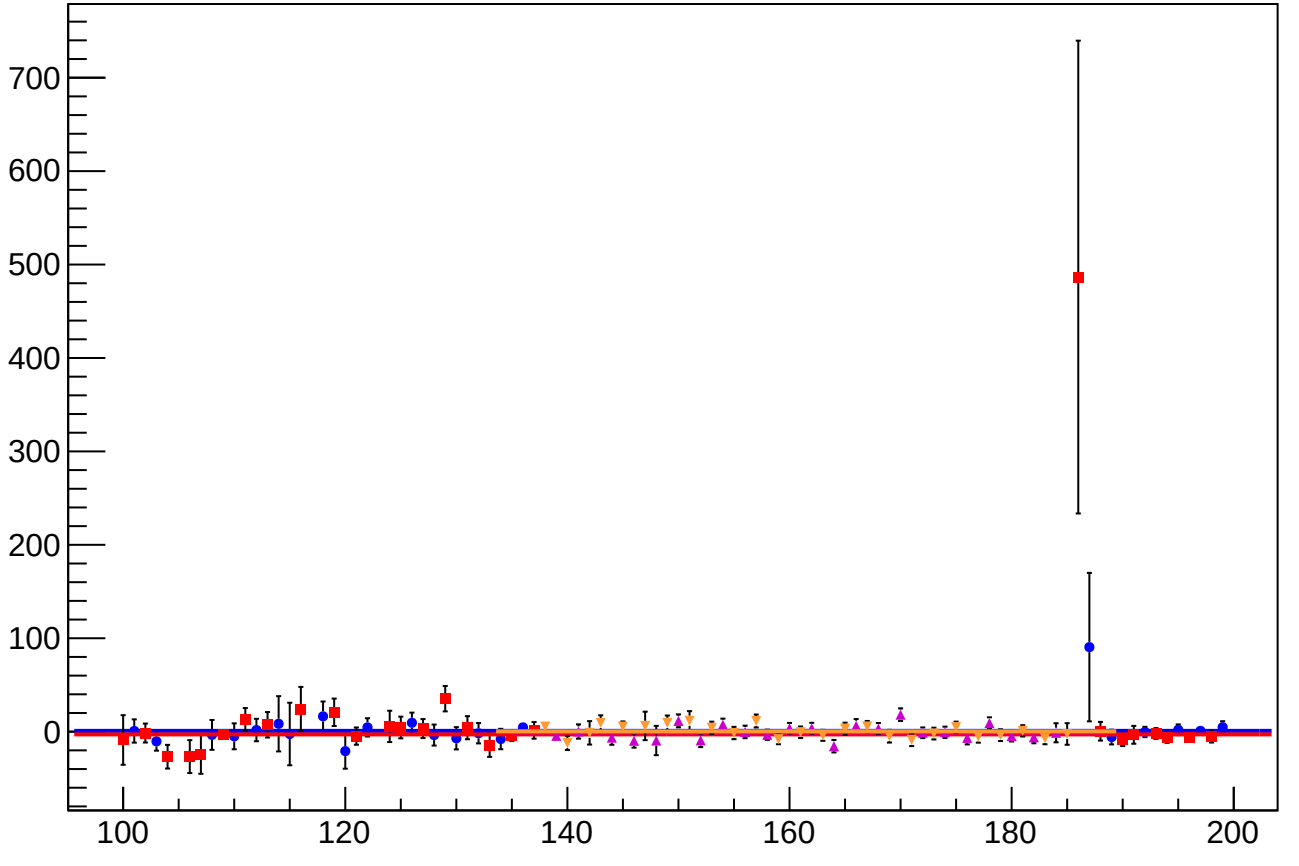
In: -1.316+/-1.787 χ^2/NDF:59.7/44

Out: -5.831+/-1.743 χ^2/NDF:99.7/51

All: -3.631+/-1.248 χ^2/NDF: 162.7/96


diff_bpm1X_rms vs Slug, Sign Corrected
30000
25000
20000
15000
10000
100
120
140
160
180
200
Right In: 14571.895+/-3.258 χ²/NDF: 2843399.3/21
Left Out: 8204.502+/-1.326 χ²/NDF:272958.7/24
Right Out: 15914.320+/-3.336 χ²/NDF: 2711229.7/26
Left In: 8259.162+/-1.371 χ²/NDF:257333.8/22
Left: 8230.919+/-0.953 χ²/NDF: 531113.9/47
Right: 15227.263+/-2.331 χ²/NDF: 5637490.3/48
In: 9208.575+/-1.264 χ²/NDF:6289535.7/44
Out: 9256.071+/-1.232 χ²/NDF:7596017.4/51
All: 9232.923+/-0.882 χ²/NDF: 13886277.2/9

diff_bpm1Y_mean vs Slug, Sign Corrected



Right In: 0.869+/-1.857 χ^2/NDF: 9.3/21

Left Out: 0.353+/-1.322 χ^2/NDF:21.5/24

Right Out: -2.932+/-1.678 χ^2/NDF: 28.6/26

Left In: -0.709+/-1.291 χ^2/NDF:29.9/22

Left: -0.191+/-0.924 χ^2/NDF: 51.7/47

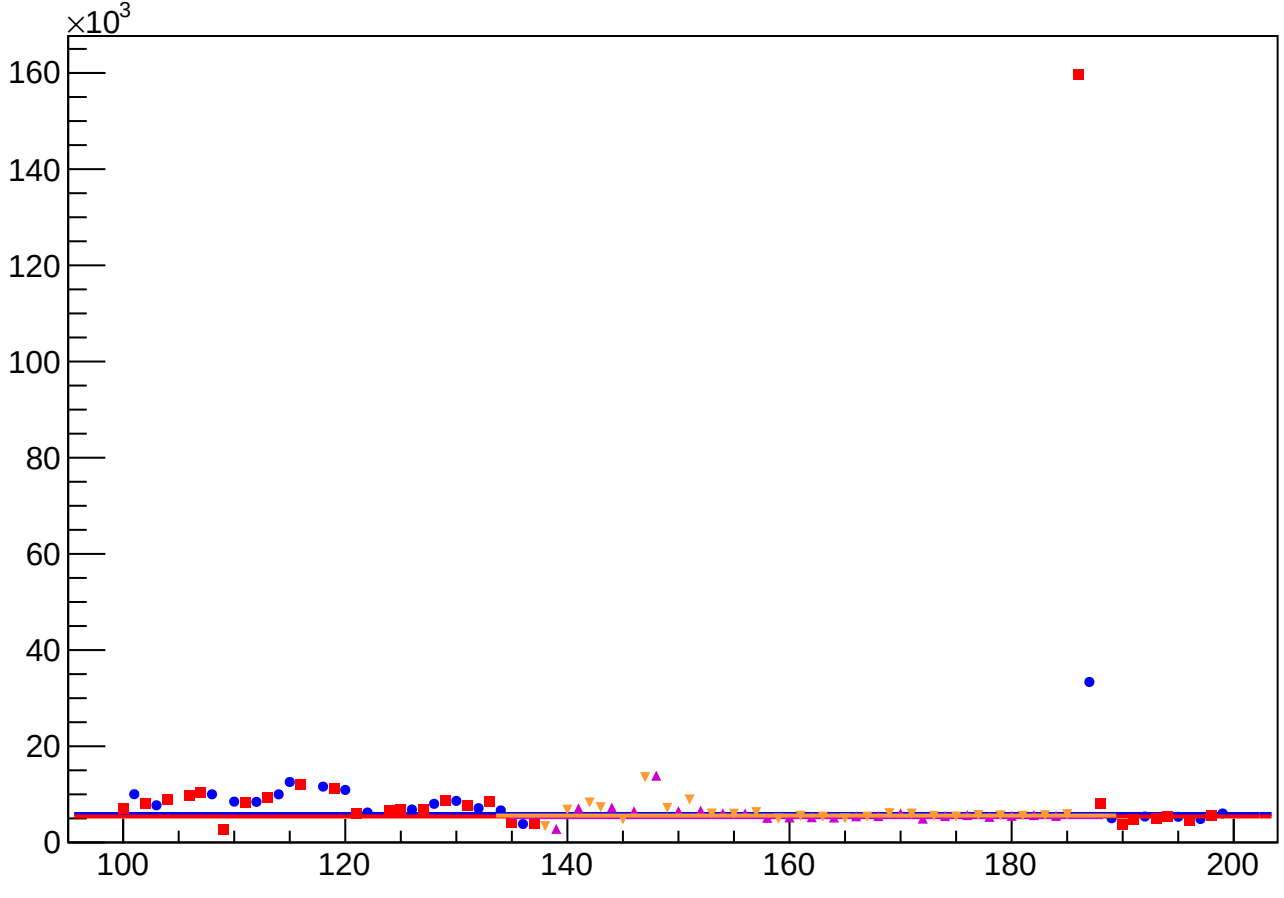
Right: -1.224+/-1.245 χ^2/NDF: 40.1/48

In: -0.195+/-1.060 χ^2/NDF:39.6/44

Out: -0.905+/-1.038 χ^2/NDF:52.5/51

All: -0.558+/-0.742 χ^2/NDF: 92.3/96

diff_bpm1Y_rms vs Slug, Sign Corrected



Right In: 5920.194+/-1.313 χ^2/NDF: 2209168.2/21

Left Out: 5594.503+/-0.935 χ^2/NDF:1784259.1/24

Right Out: 5402.189+/-1.186 χ^2/NDF: 3670021.9/26

Left In: 5262.754+/-0.913 χ^2/NDF:2425604.2/22

Left: 5424.765+/-0.653 χ^2/NDF: 4274340.6/47

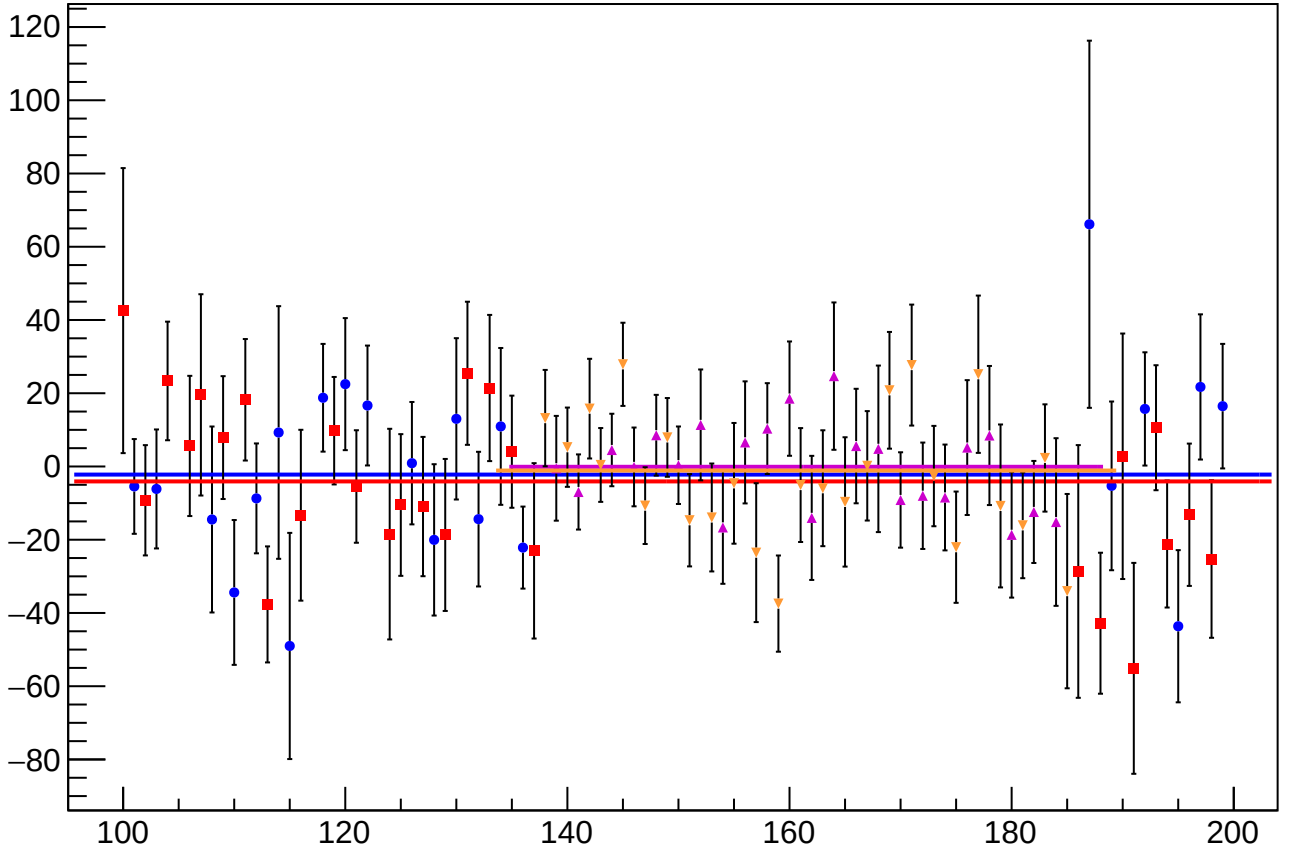
Right: 5634.919+/-0.880 χ^2/NDF: 5964848.8/48

In: 5476.934+/-0.750 χ^2/NDF:4803695.2/44

Out: 5520.862+/-0.734 χ^2/NDF:5470497.2/51

All: 5499.359+/-0.525 χ^2/NDF: 10275945.2/9

diff_bpm11X_mean vs Slug, Sign Corrected



Right In: -2.213+/-3.849 χ^2/NDF: 25.9/21

Left Out: -1.111+/-2.813 χ^2/NDF:33.8/24

Right Out: -4.078+/-3.723 χ^2/NDF: 29.7/26

Left In: -0.084+/-2.926 χ^2/NDF:11.5/22

Left: -0.618+/-2.028 χ^2/NDF: 45.3/47

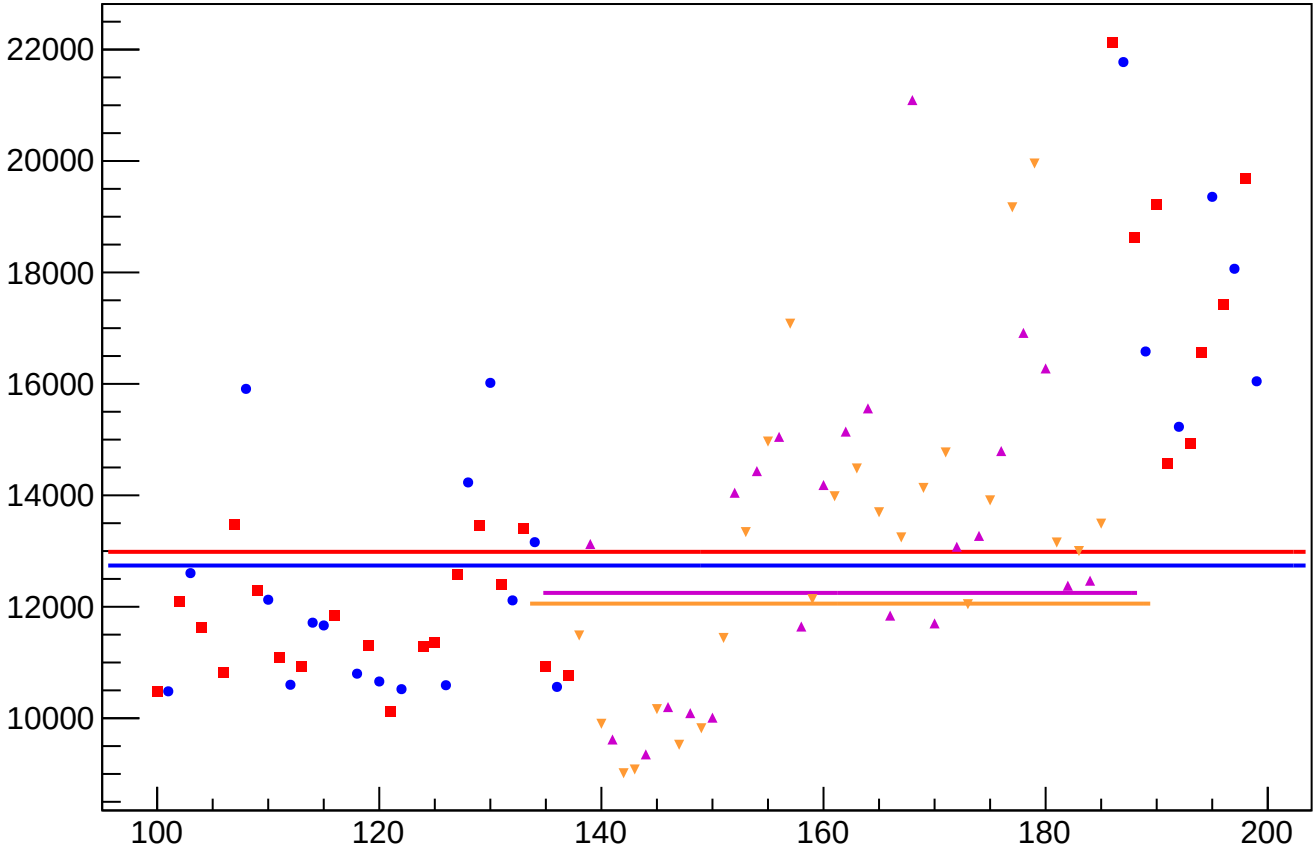
Right: -3.176+/-2.676 χ^2/NDF: 55.8/48

In: -0.864+/-2.329 χ^2/NDF:37.6/44

Out: -2.189+/-2.244 χ^2/NDF:63.9/51

All: -1.551+/-1.616 χ^2/NDF: 101.7/96

diff_bpm11X_rms vs Slug, Sign Corrected



Right In: 12740.380+/-2.721 χ^2/NDF: 998915.2/21

Left Out: 12056.714+/-1.989 χ^2/NDF:1561738.9/24

Right Out: 12986.073+/-2.633 χ^2/NDF: 1097070.3/26

Left In: 12249.109+/-2.069 χ^2/NDF:1416030.4/22

Left: 12149.117+/-1.434 χ^2/NDF: 2982262.4/47

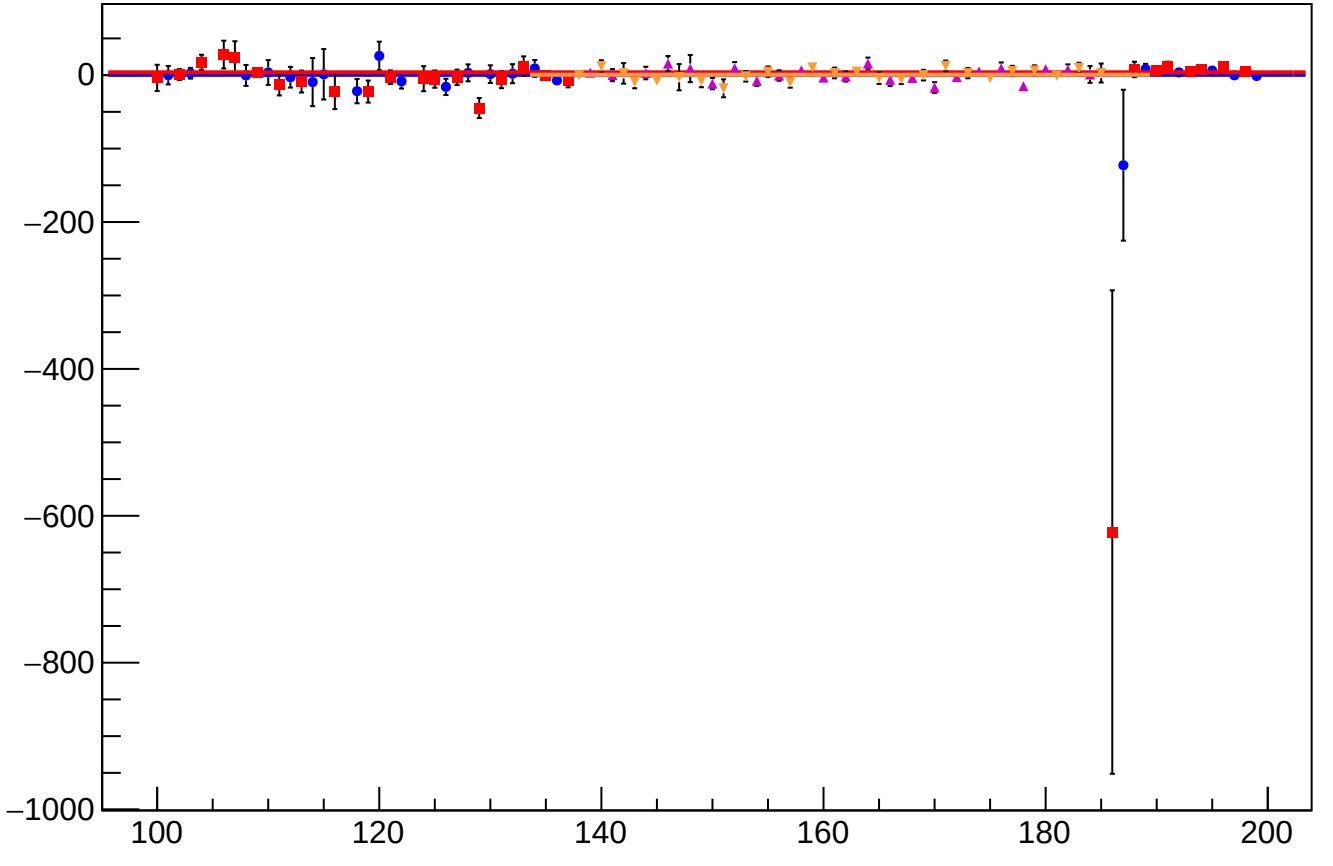
Right: 12867.292+/-1.892 χ^2/NDF: 2100196.0/48

In: 12429.088+/-1.647 χ^2/NDF:2435596.1/44

Out: 12394.448+/-1.587 χ^2/NDF:2738137.3/51

All: 12411.125+/-1.143 χ^2/NDF: 5173962.8/9

diff_bpm11Y_mean vs Slug, Sign Corrected



Right In: 0.424+/-1.711 χ^2/NDF: 15.1/21

Left Out: 0.526+/-1.369 χ^2/NDF:21.4/24

Right Out: 3.866+/-1.564 χ^2/NDF: 36.3/26

Left In: 0.946+/-1.294 χ^2/NDF:32.2/22

Left: 0.748+/-0.940 χ^2/NDF: 53.7/47

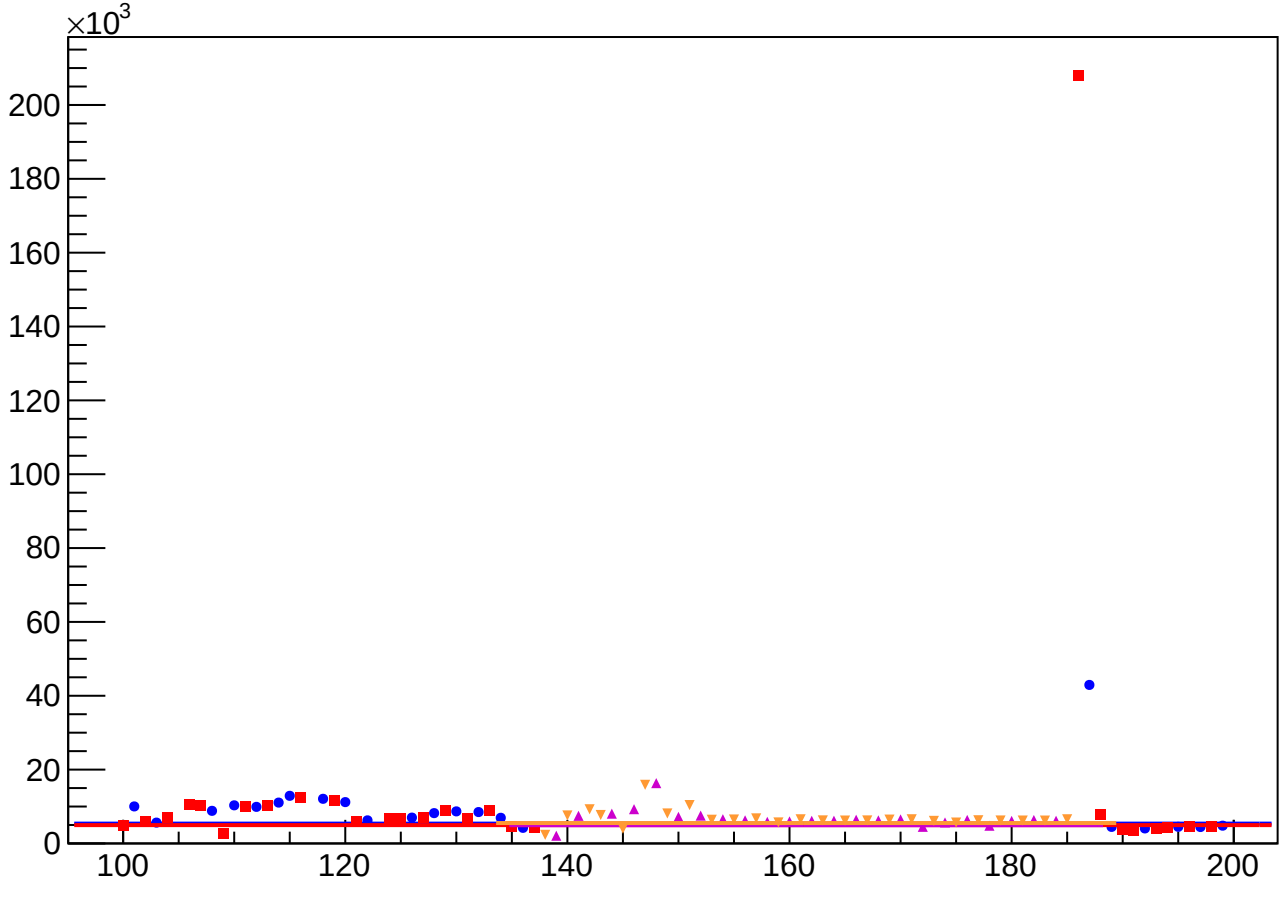
Right: 2.299+/-1.155 χ^2/NDF: 53.6/48

In: 0.756+/-1.032 χ^2/NDF:47.4/44

Out: 1.974+/-1.030 χ^2/NDF:60.3/51

All: 1.366+/-0.729 χ^2/NDF: 108.3/96

diff_bpm11Y_rms vs Slug, Sign Corrected



Right In: 5372.032+/-1.210 χ^2/NDF: 2708485.5/21

Left Out: 5527.971+/-0.968 χ^2/NDF:4375722.1/24

Right Out: 4966.902+/-1.106 χ^2/NDF: 3687422.6/26

Left In: 4941.993+/-0.915 χ^2/NDF:5936108.3/22

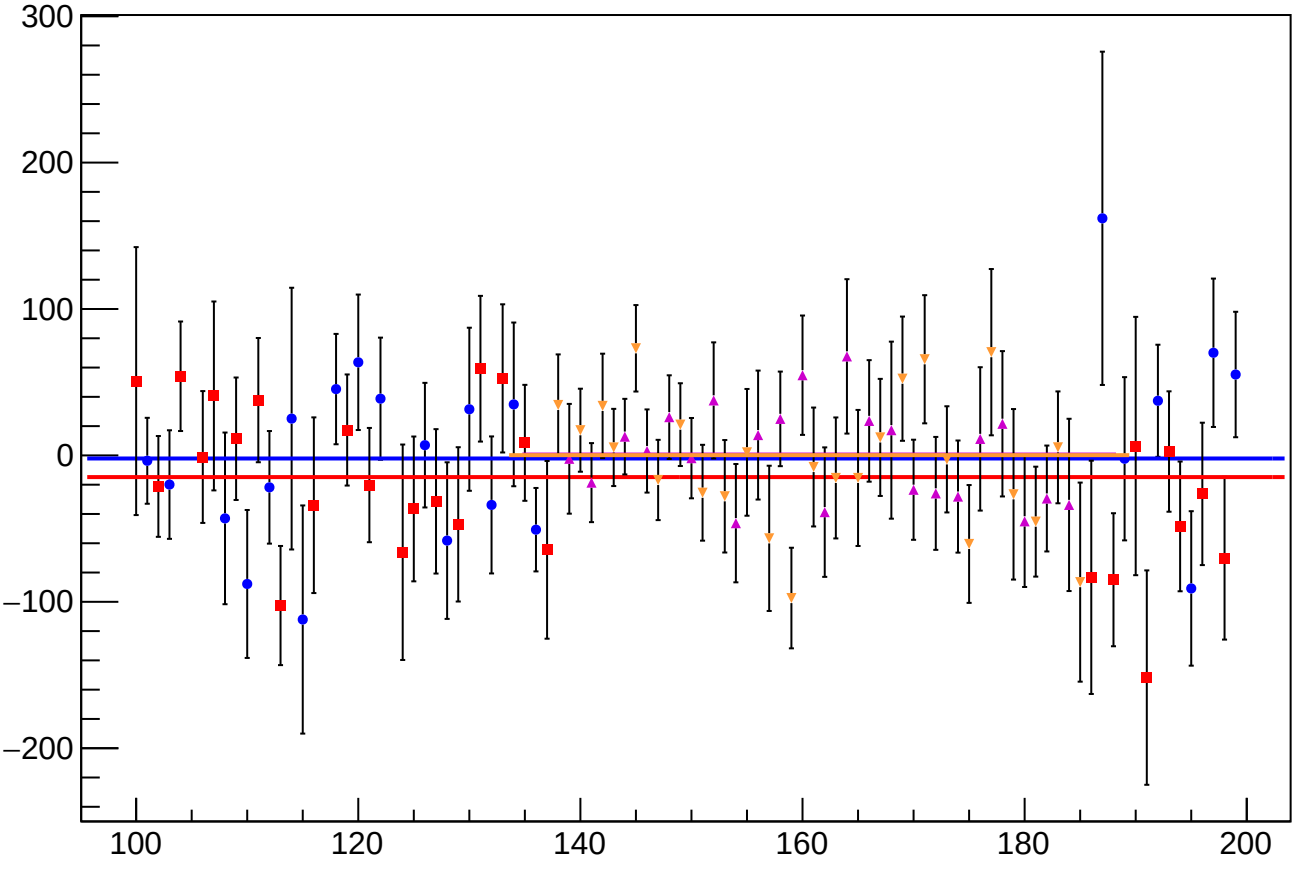
Left: 5218.619+/-0.665 χ^2/NDF: 10505353.1/47

Right: 5151.310+/-0.816 χ^2/NDF: 6456974.4/48

In: 5098.472+/-0.730 χ^2/NDF:8724931.8/44

Out: 5284.671+/-0.728 χ^2/NDF:8208876.9/51

All: 5191.774+/-0.516 χ^2/NDF: 16966413.7/9



Right In: -2.105+/-9.582 χ^2/NDF: 25.6/21

Left Out: 0.168+/-7.375 χ^2/NDF:31.1/24

Right Out: -14.809+/-9.267 χ^2/NDF: 26.8/26

Left In: 0.586+/-7.667 χ^2/NDF:12.8/22

Left: 0.369+/-5.315 χ^2/NDF: 43.9/47

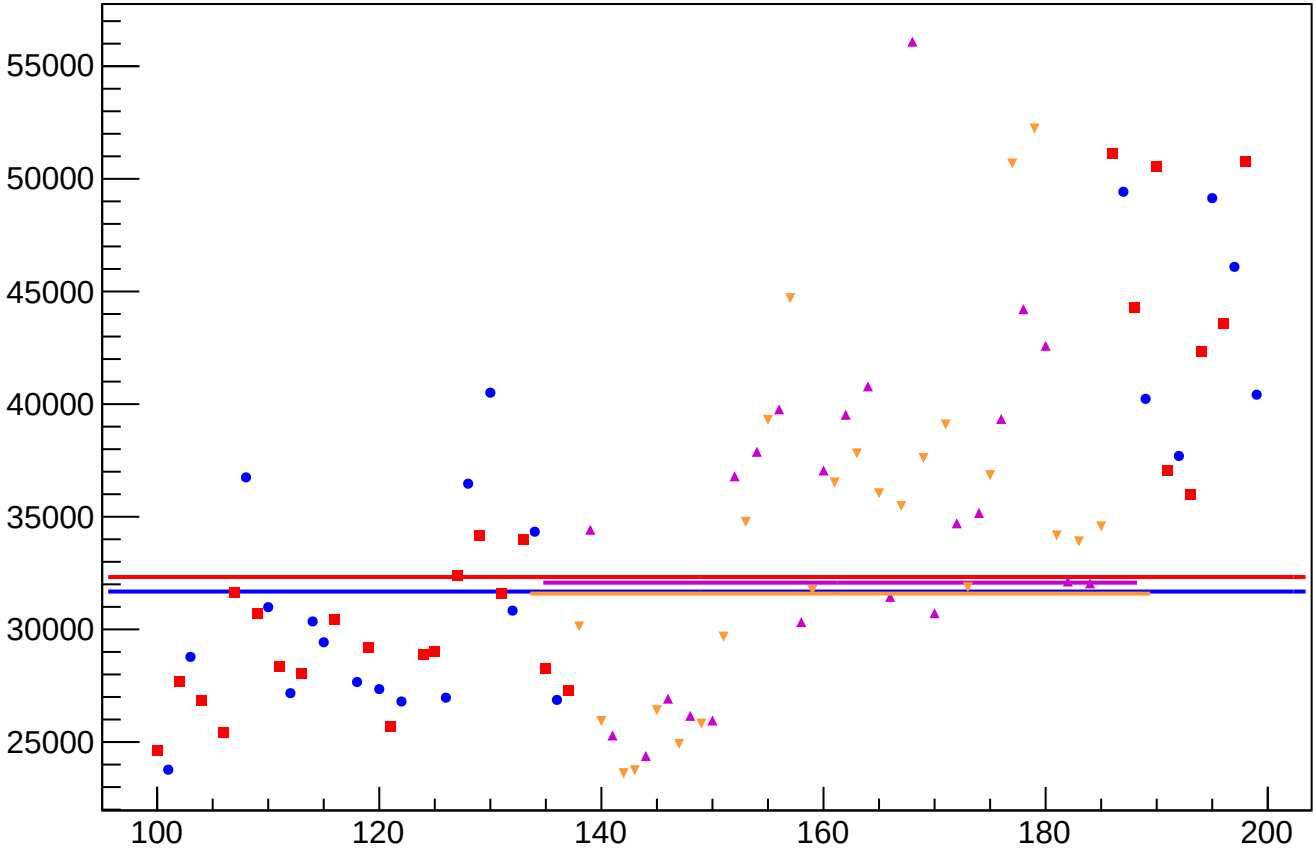
Right: -8.669+/-6.662 χ^2/NDF: 53.4/48

In: -0.464+/-5.987 χ^2/NDF:38.5/44

Out: -5.639+/-5.771 χ^2/NDF:59.6/51

All: -3.147+/-4.155 χ^2/NDF: 98.4/96

diff_bpm12X_rms vs Slug, Sign Corrected



Right In: 31680.300+/-6.776 χ^2/NDF: 1032271.3/21

Left Out: 31589.841+/-5.215 χ^2/NDF:1590867.7/24

Right Out: 32325.698+/-6.553 χ^2/NDF: 1097003.6/26

Left In: 32075.078+/-5.421 χ^2/NDF:1455714.6/22

Left: 31823.038+/-3.758 χ^2/NDF: 3050743.5/47

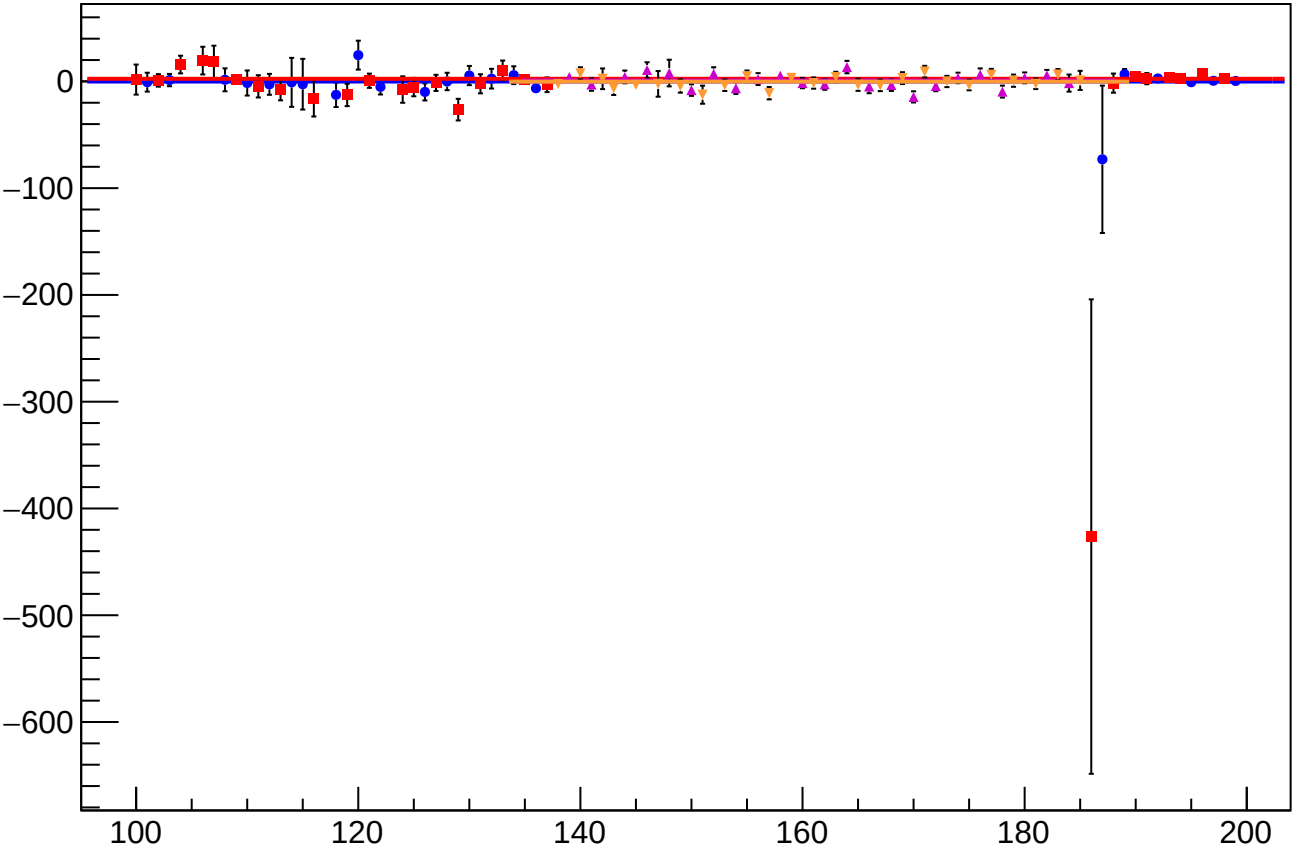
Right: 32013.783+/-4.710 χ^2/NDF: 2133963.0/48

In: 31920.991+/-4.233 χ^2/NDF:2490055.6/44

Out: 31875.160+/-4.080 χ^2/NDF:2695592.0/51

All: 31897.234+/-2.938 χ^2/NDF: 5185708.4/9

diff_bpm12Y_mean vs Slug, Sign Corrected



Right In: -0.133+/-1.188 χ^2/NDF: 15.7/21

Left Out: -0.226+/-1.094 χ^2/NDF:19.9/24

Right Out: 2.437+/-1.129 χ^2/NDF: 28.8/26

Left In: 0.788+/-1.061 χ^2/NDF:33.8/22

Left: 0.297+/-0.761 χ^2/NDF: 54.1/47

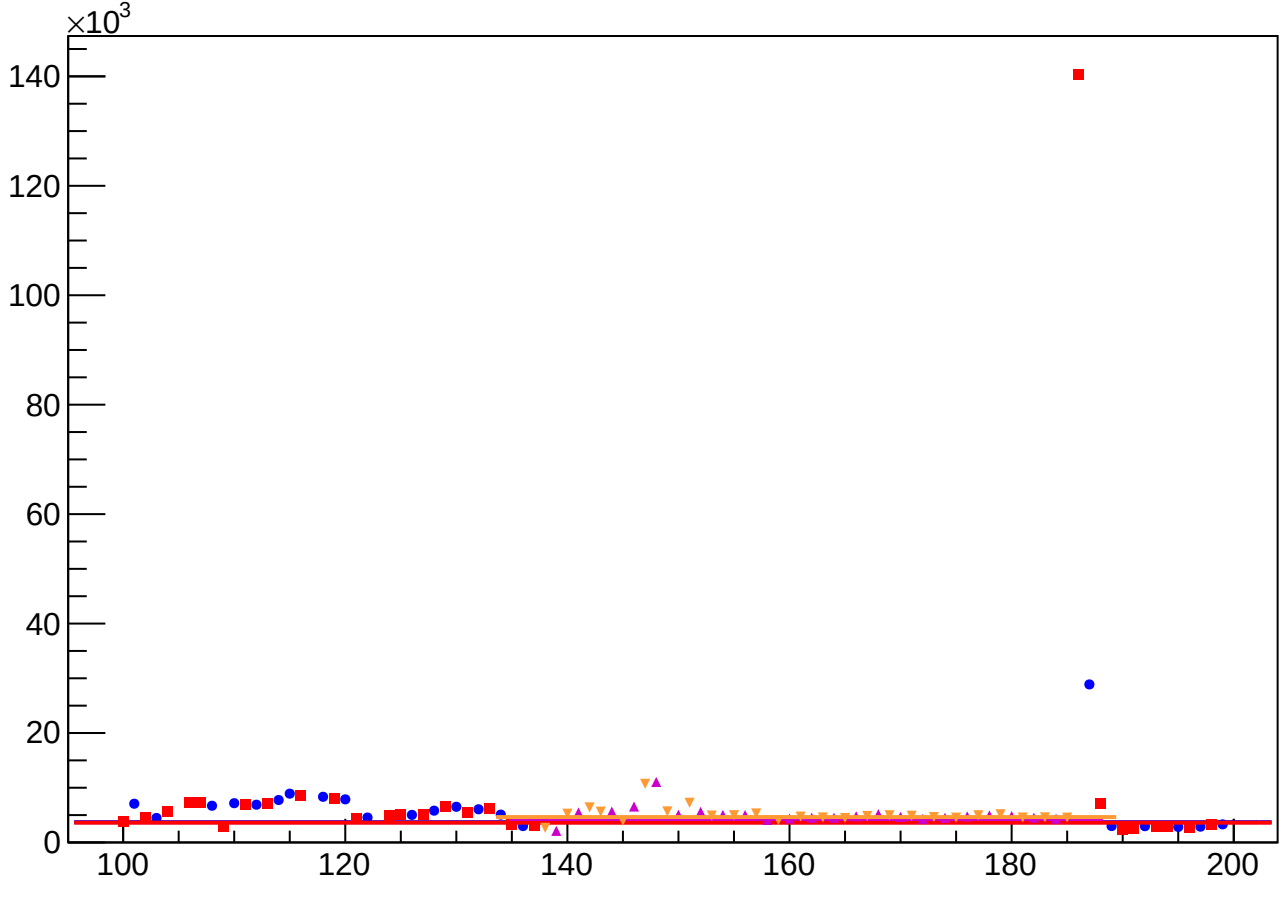
Right: 1.218+/-0.818 χ^2/NDF: 46.9/48

In: 0.380+/-0.791 χ^2/NDF:49.8/44

Out: 1.064+/-0.785 χ^2/NDF:51.5/51

All: 0.725+/-0.557 χ^2/NDF: 101.7/96

diff_bpm12Y_rms vs Slug, Sign Corrected



Right In: 3706.285+/-0.840 χ^2/NDF: 2985124.7/21

Left Out: 4637.399+/-0.774 χ^2/NDF:1763103.2/24

Right Out: 3618.016+/-0.798 χ^2/NDF: 3721654.4/26

Left In: 4295.074+/-0.750 χ^2/NDF:3095610.0/22

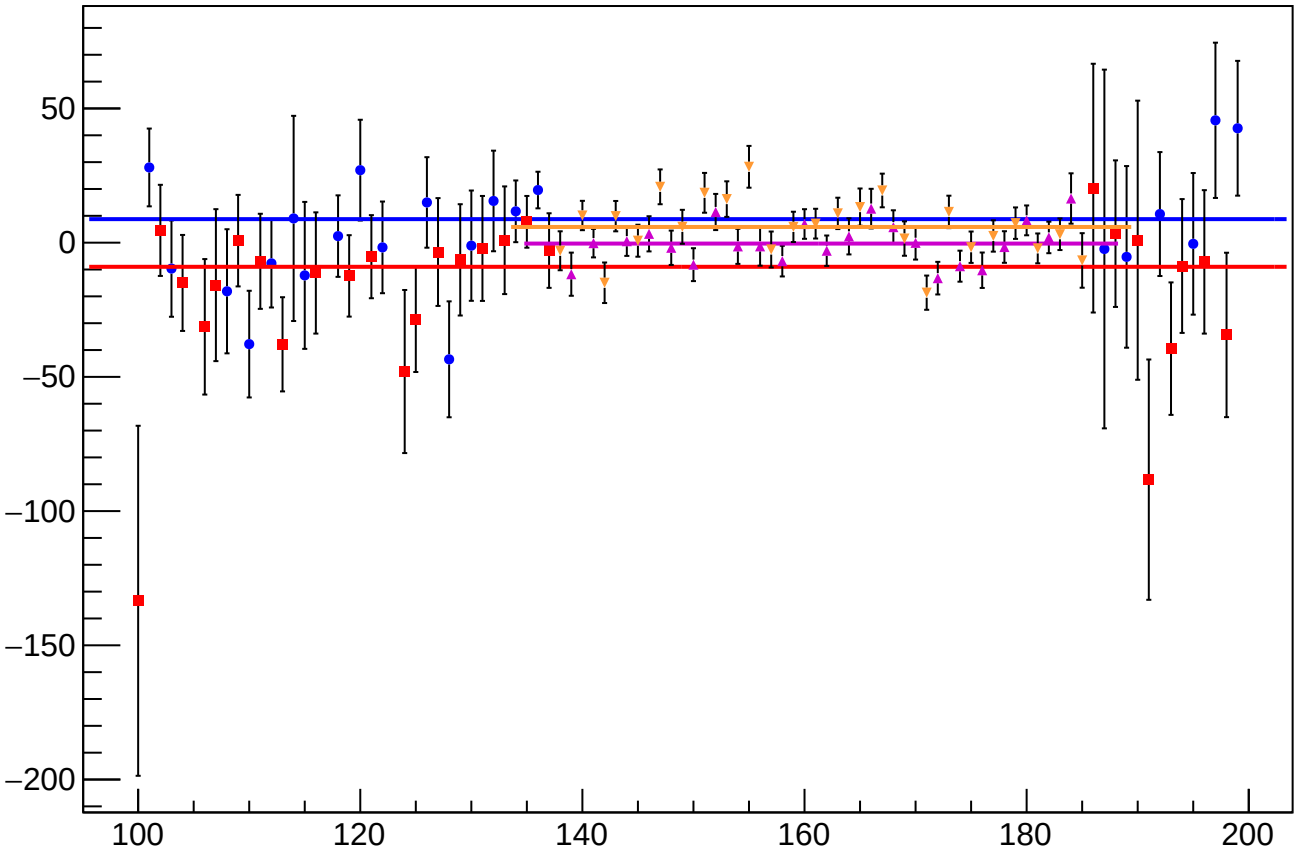
Left: 4460.947+/-0.538 χ^2/NDF: 4959666.2/47

Right: 3659.871+/-0.579 χ^2/NDF: 6712580.5/48

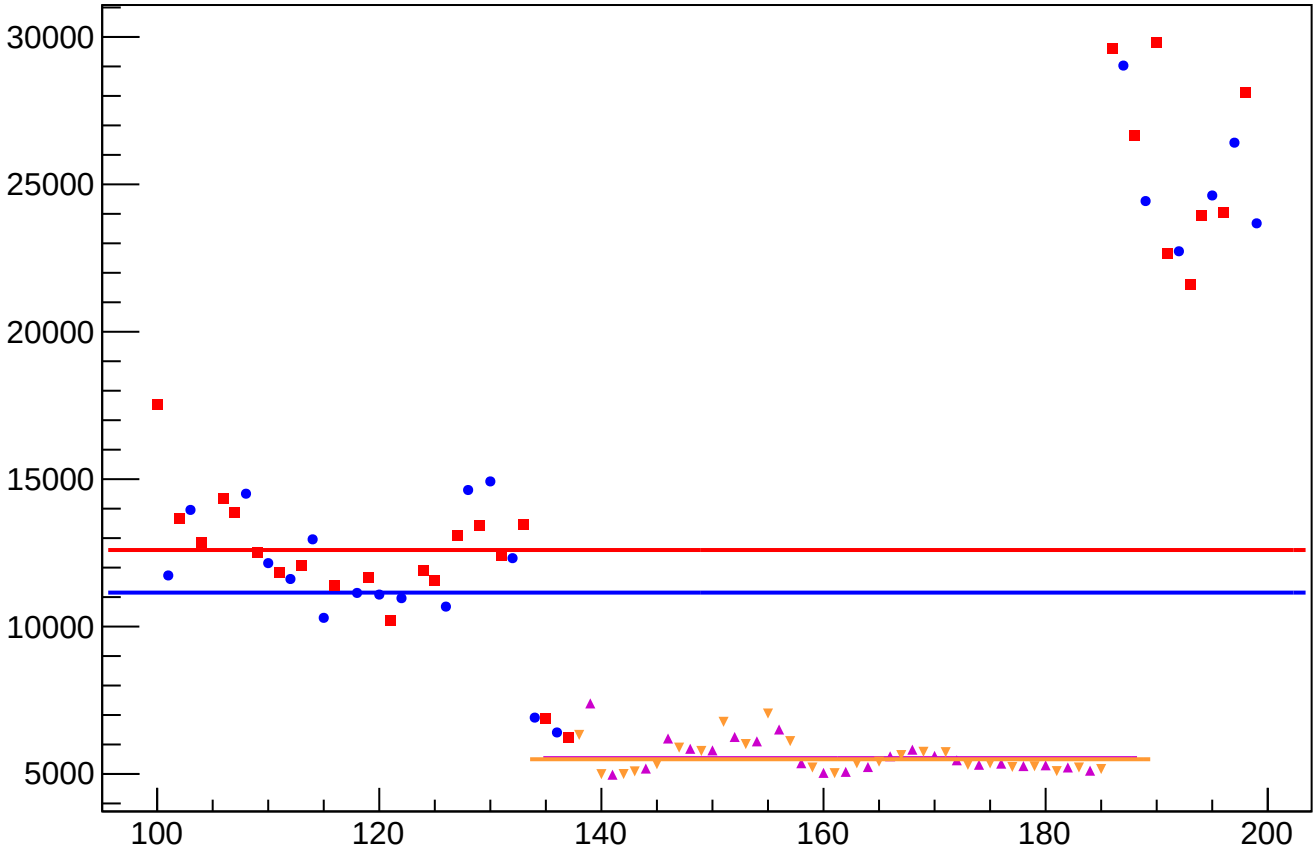
In: 4034.036+/-0.560 χ^2/NDF:6353989.6/44

Out: 4143.593+/-0.555 χ^2/NDF:6326049.8/51

All: 4089.220+/-0.394 χ^2/NDF: 12699349.2/9


diff_bpm16X_mean vs Slug, Sign Corrected
50
0
−50
−100
−150
−200
100
120
140
160
180
200
Right In: 8.768+/-3.634 χ²/NDF: 25.5/21
Left Out: 5.849+/-1.257 χ²/NDF:60.0/24
Right Out: -8.991+/-3.837 χ²/NDF: 20.7/26
Left In: -0.337+/-1.301 χ²/NDF:29.4/22
Left: 2.861+/-0.904 χ²/NDF: 101.1/47
Right: 0.372+/-2.639 χ²/NDF: 57.4/48
In: 0.697+/-1.225 χ²/NDF:60.4/44
Out: 4.410+/-1.195 χ²/NDF:94.2/51
All: 2.599+/-0.855 χ²/NDF: 159.3/96

diff_bpm16X_rms vs Slug, Sign Corrected



Right In: 11151.978+/-2.570 χ^2/NDF: 4006575.4/21

Left Out: 5499.215+/-0.889 χ^2/NDF:297719.4/24

Right Out: 12596.611+/-2.714 χ^2/NDF: 3916352.9/26

Left In: 5537.777+/-0.920 χ^2/NDF:304062.1/22

Left: 5517.842+/-0.639 χ^2/NDF: 602690.2/47

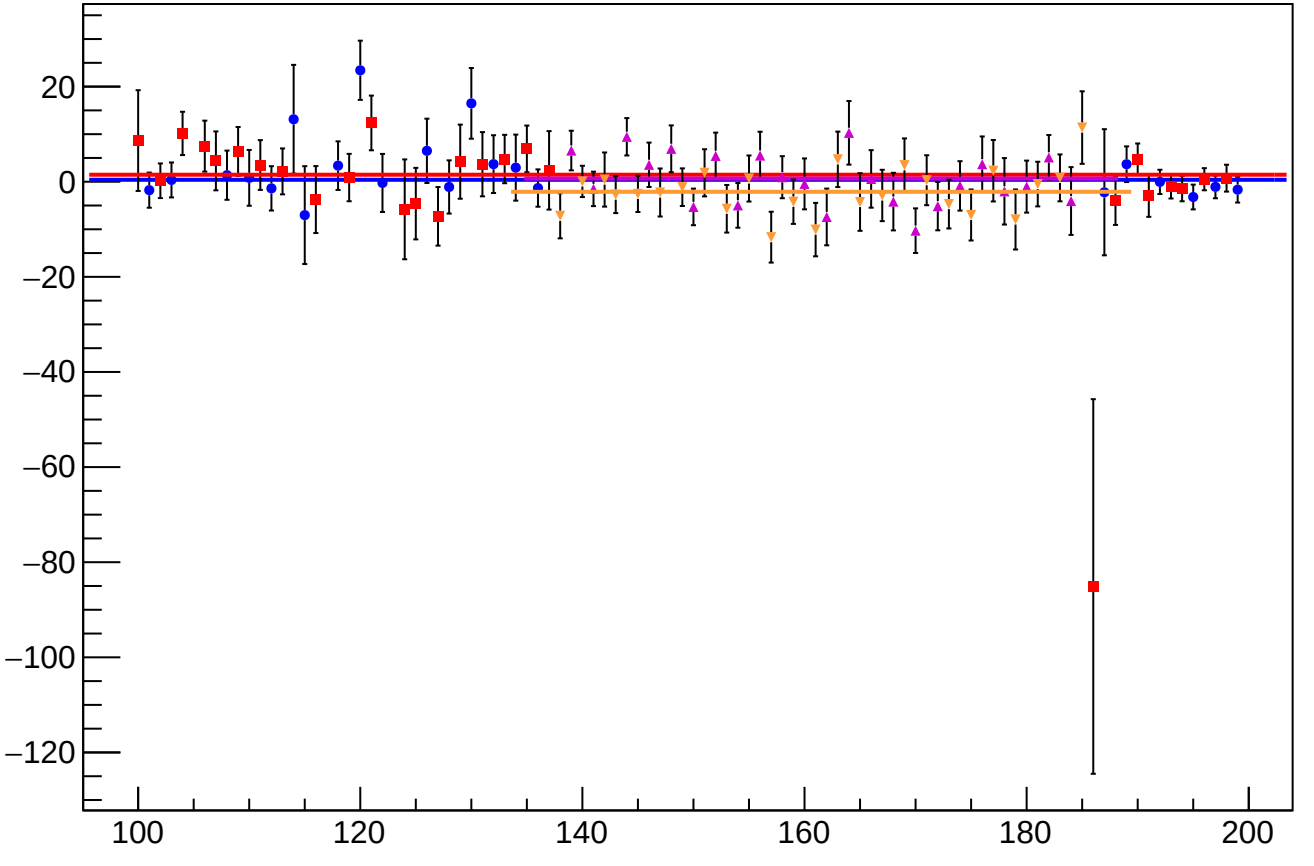
Right: 11834.952+/-1.866 χ^2/NDF: 8072364.4/48

In: 6175.453+/-0.866 χ^2/NDF:8542275.9/44

Out: 6187.337+/-0.845 χ^2/NDF:10392028.7/51

All: 6181.541+/-0.605 χ^2/NDF: 18934401.0/9

diff_bpm16Y_mean vs Slug, Sign Corrected



Right In: 0.408+/-0.898 χ^2/NDF: 26.2/21

Left Out: -2.116+/-0.987 χ^2/NDF:17.5/24

Right Out: 1.475+/-0.854 χ^2/NDF: 26.3/26

Left In: 0.670+/-1.031 χ^2/NDF:28.4/22

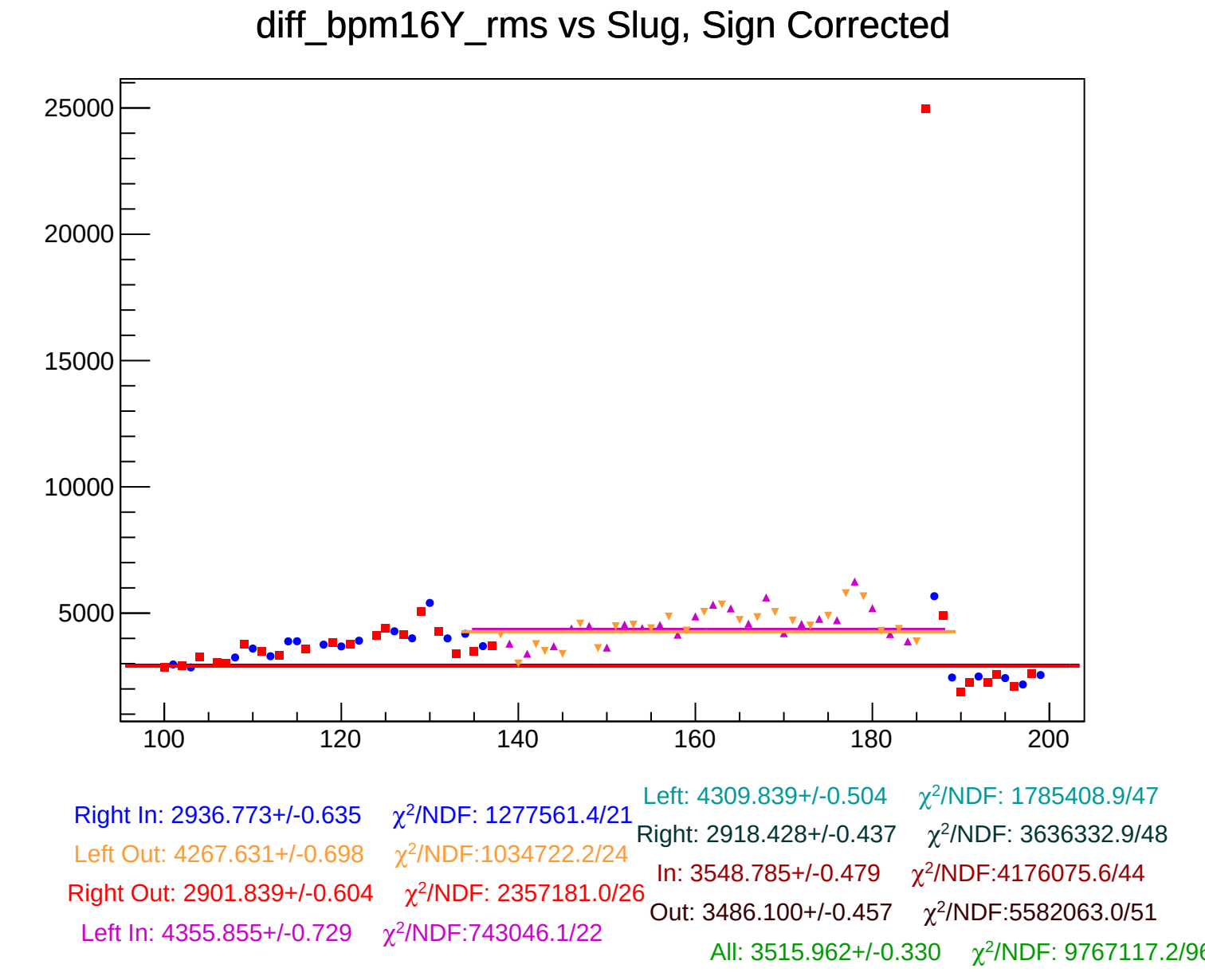
Left: -0.783+/-0.713 χ^2/NDF: 49.6/47

Right: 0.968+/-0.619 χ^2/NDF: 53.2/48

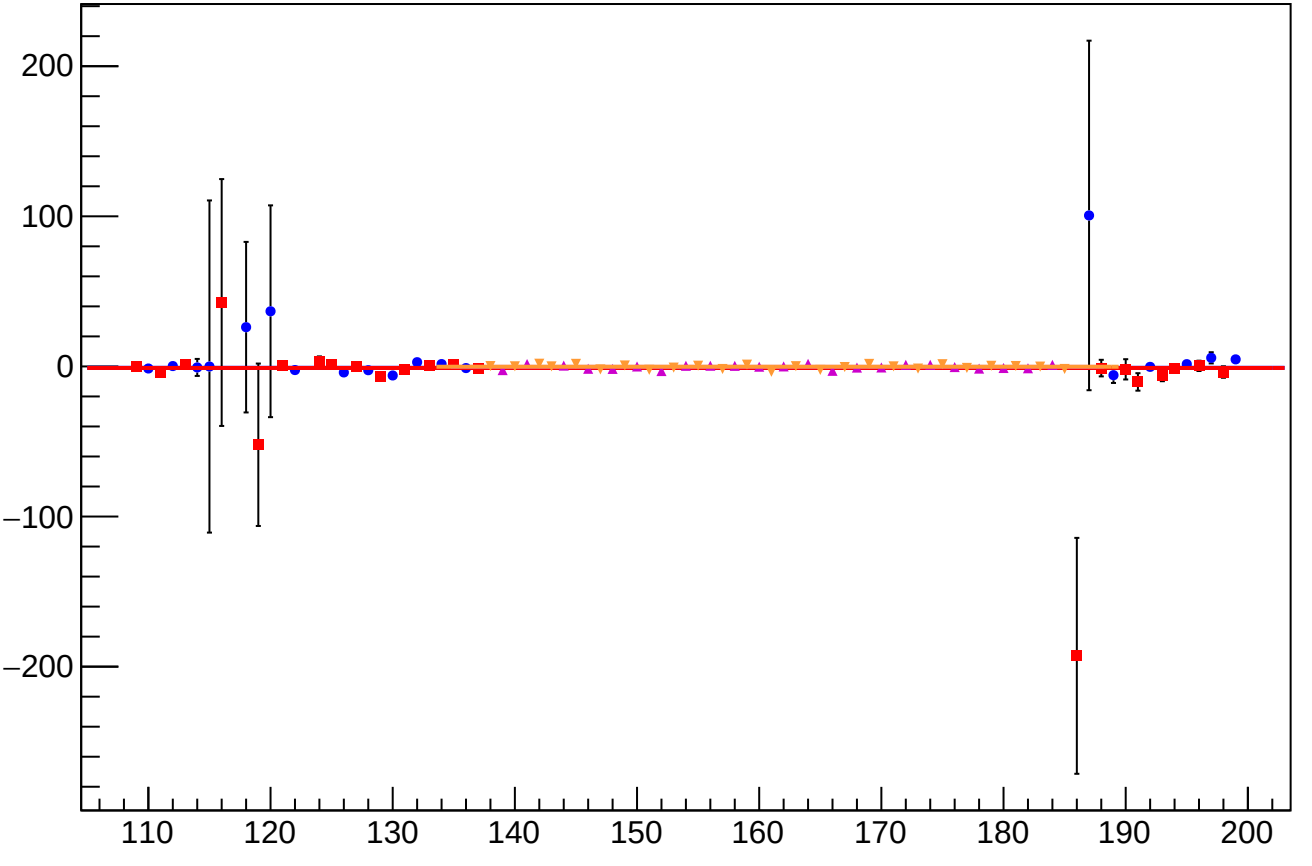
In: 0.521+/-0.677 χ^2/NDF:54.6/44

Out: -0.061+/-0.646 χ^2/NDF:51.3/51

All: 0.216+/-0.467 χ^2/NDF: 106.3/96


diff_bpm16Y_rms vs Slug, Sign Corrected
25000
20000
15000
10000
5000
100
120
140
160
180
200
Right In: 2936.773+/-0.635 χ²/NDF: 1277561.4/21
Left Out: 4267.631+/-0.698 χ²/NDF:1034722.2/24
Right Out: 2901.839+/-0.604 χ²/NDF: 2357181.0/26
Left In: 4355.855+/-0.729 χ²/NDF:743046.1/22
Left: 4309.839+/-0.504 χ²/NDF: 1785408.9/47
Right: 2918.428+/-0.437 χ²/NDF: 3636332.9/48
In: 3548.785+/-0.479 χ²/NDF:4176075.6/44
Out: 3486.100+/-0.457 χ²/NDF:5582063.0/51
All: 3515.962+/-0.330 χ²/NDF: 9767117.2/96

diff_bpm1p02bX_mean vs Slug, Sign Corrected



Right In: -0.923+/-0.664 χ^2/NDF: 20.2/18

Left Out: -0.201+/-0.236 χ^2/NDF:33.9/24

Right Out: -1.018+/-0.651 χ^2/NDF: 24.5/21

Left In: -0.333+/-0.242 χ^2/NDF:29.4/22

Left: -0.265+/-0.169 χ^2/NDF: 63.5/47

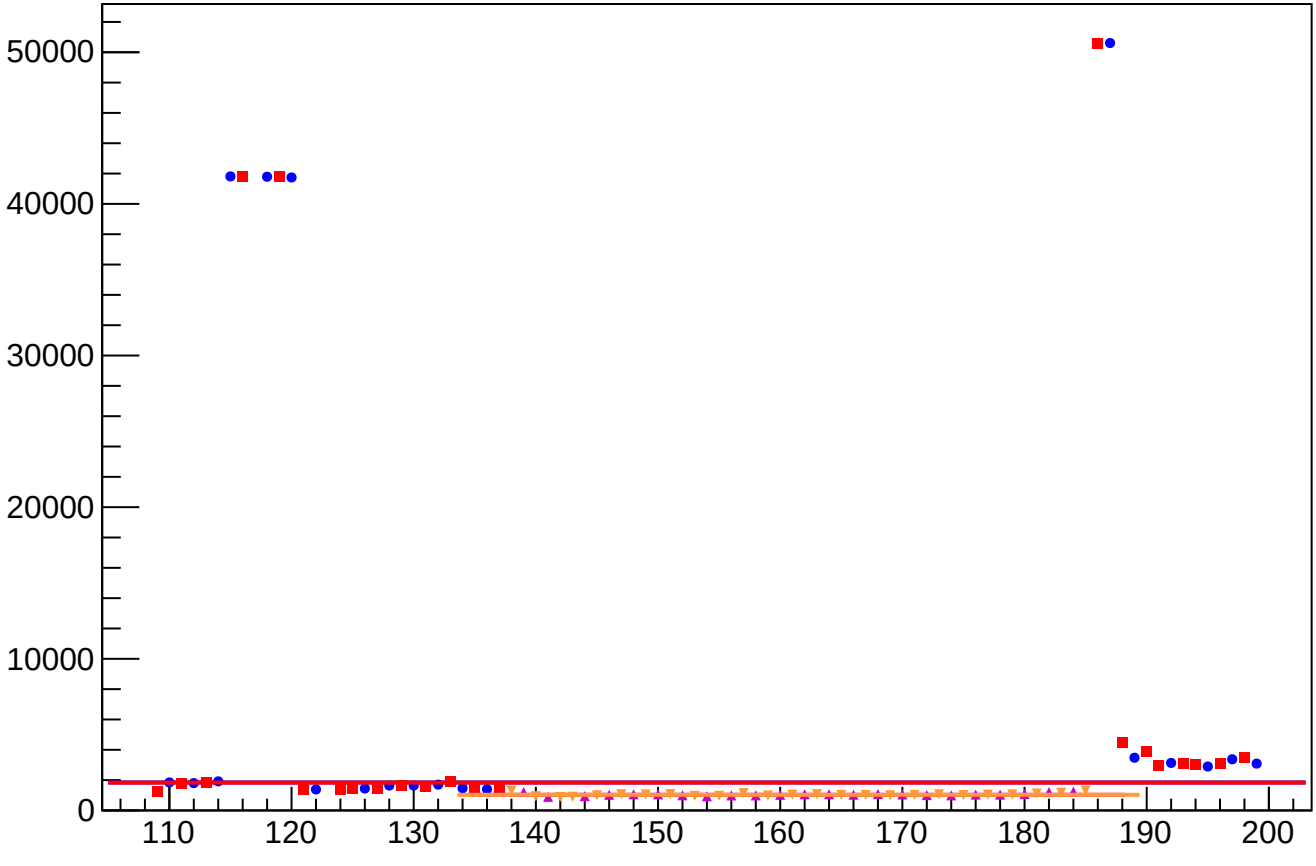
Right: -0.972+/-0.465 χ^2/NDF: 44.8/40

In: -0.403+/-0.228 χ^2/NDF:50.4/41

Out: -0.296+/-0.221 χ^2/NDF:59.9/46

All: -0.348+/-0.159 χ^2/NDF: 110.4/88

diff_bpm1p02bX_rms vs Slug, Sign Corrected



Right In: 1846.063+/-0.470 χ^2/NDF: 4040592.4/18

Left Out: 1031.473+/-0.167 χ^2/NDF:244095.3/24

Right Out: 1838.344+/-0.460 χ^2/NDF: 4785392.7/21

Left In: 1032.715+/-0.171 χ^2/NDF:187148.3/22

Left: 1032.077+/-0.119 χ^2/NDF: 431270.7/47

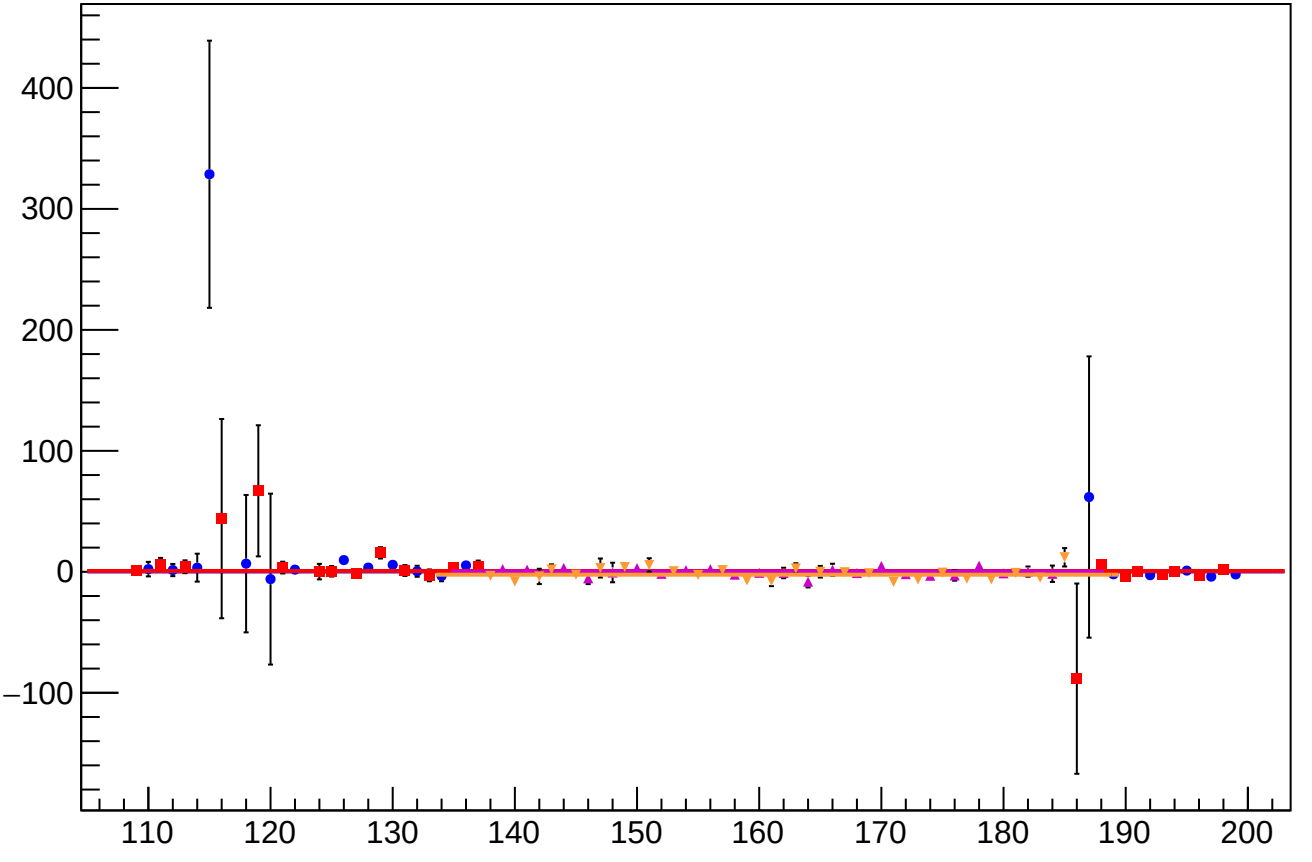
Right: 1842.124+/-0.329 χ^2/NDF: 8826122.9/40

In: 1128.108+/-0.161 χ^2/NDF:6873901.4/41

Out: 1124.930+/-0.157 χ^2/NDF:7748803.3/46

All: 1126.476+/-0.112 χ^2/NDF: 14622905.0/8

diff_bpm1p02bY_mean vs Slug, Sign Corrected



Right In: 0.302+/-0.784 χ^2/NDF: 31.1/18

Left Out: -2.380+/-0.782 χ^2/NDF:24.3/24

Right Out: 0.667+/-0.766 χ^2/NDF: 26.9/21

Left In: 0.171+/-0.810 χ^2/NDF:12.6/22

Left: -1.149+/-0.563 χ^2/NDF: 42.1/47

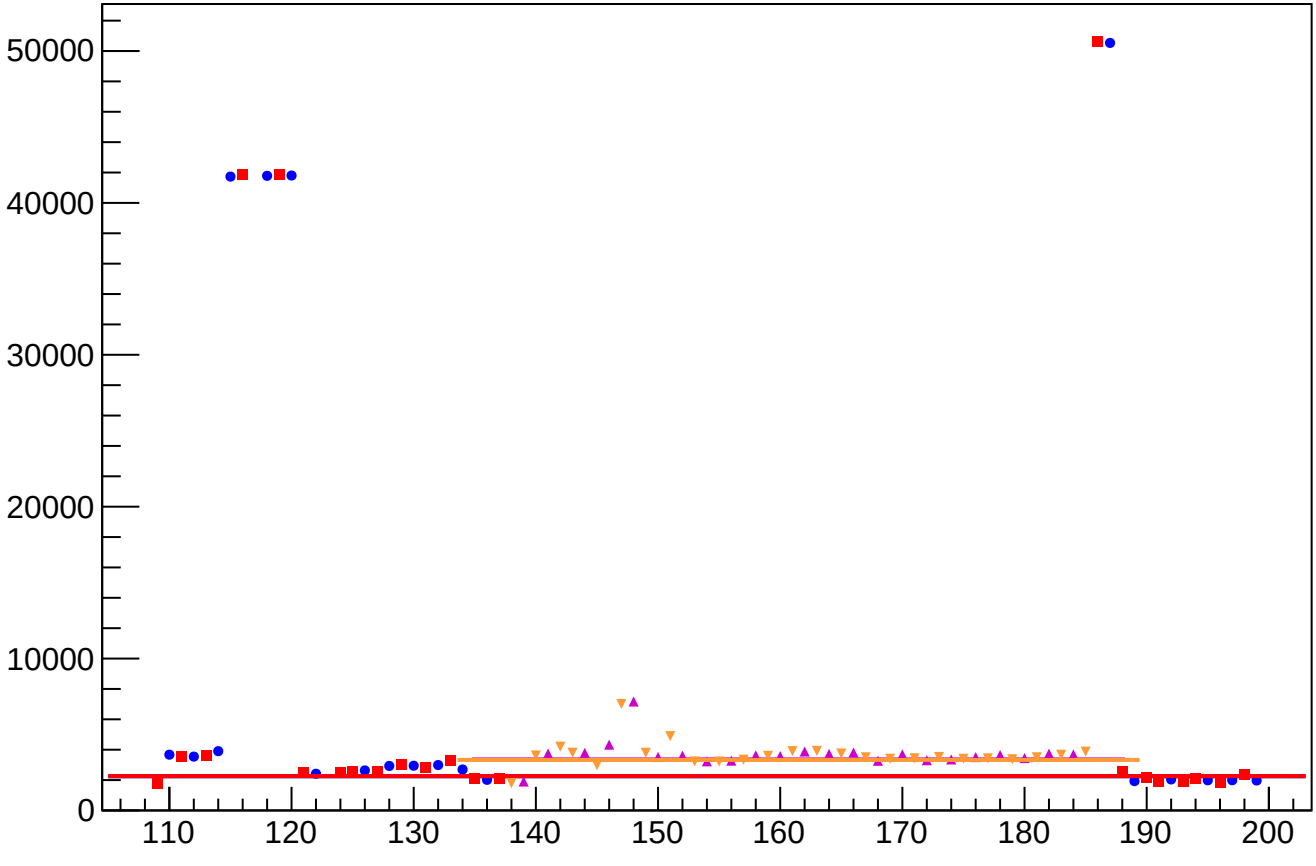
Right: 0.489+/-0.548 χ^2/NDF: 58.2/40

In: 0.239+/-0.563 χ^2/NDF:43.8/41

Out: -0.825+/-0.547 χ^2/NDF:59.0/46

All: -0.309+/-0.393 χ^2/NDF: 104.6/88

diff_bpm1p02bY_rms vs Slug, Sign Corrected



Right In: 2249.638+/-0.554 χ^2/NDF: 2847089.4/18

Left Out: 3328.251+/-0.553 χ^2/NDF:1915576.2/24

Right Out: 2259.079+/-0.542 χ^2/NDF: 2980788.9/21

Left In: 3360.799+/-0.572 χ^2/NDF:1649390.5/22

Left: 3343.963+/-0.398 χ^2/NDF: 3566638.9/47

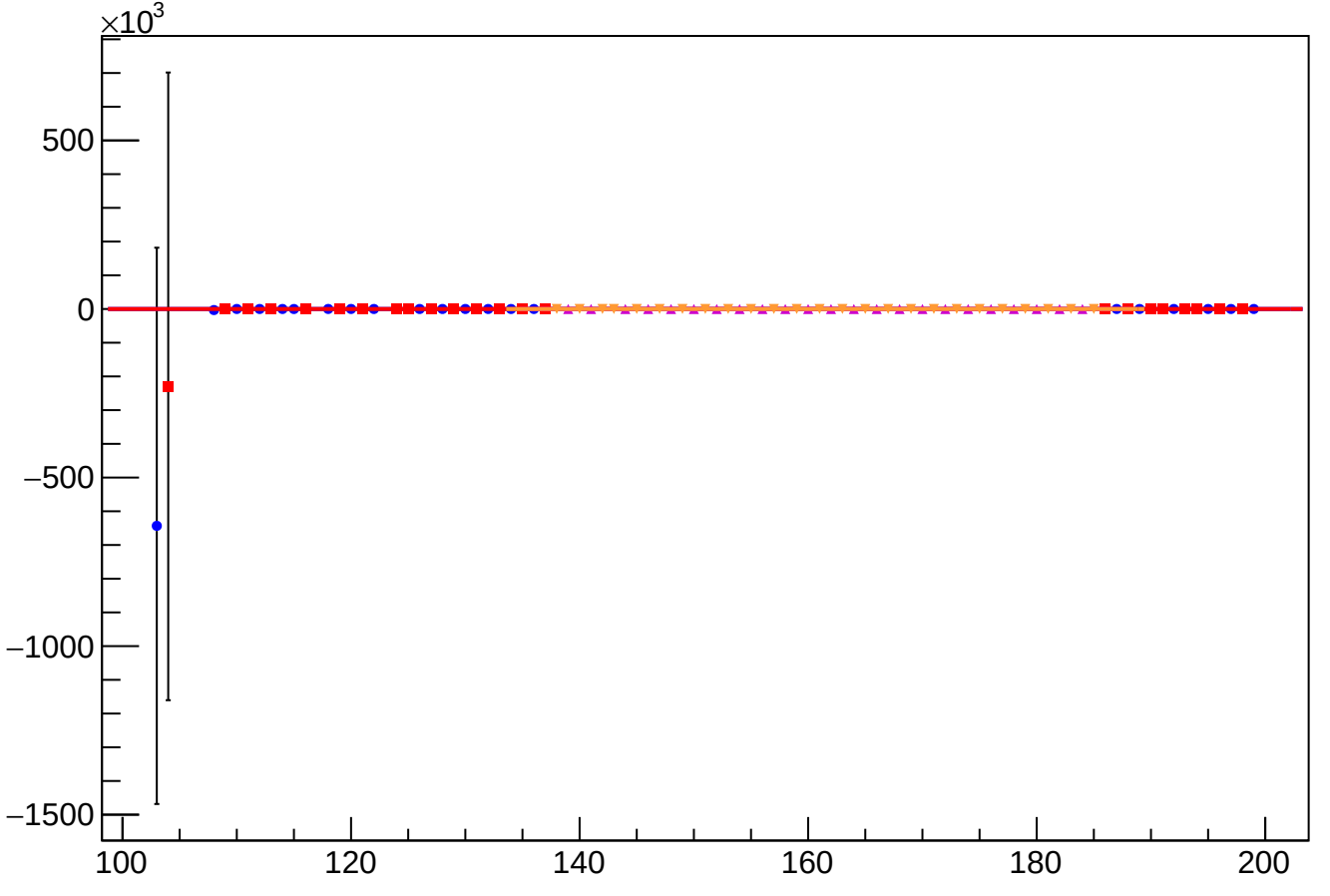
Right: 2254.468+/-0.387 χ^2/NDF: 5828026.7/40

In: 2787.421+/-0.398 χ^2/NDF:6440475.2/41

Out: 2782.613+/-0.387 χ^2/NDF:6803871.0/46

All: 2784.948+/-0.278 χ^2/NDF: 13244421.2/8

diff_bpm1p03aX_mean vs Slug, Sign Corrected



Right In: -1.533+/-0.758 χ^2/NDF: 22.0/20

Left Out: -1.573+/-0.363 χ^2/NDF:50.3/24

Right Out: 2.096+/-0.762 χ^2/NDF: 22.8/22

Left In: -0.018+/-0.374 χ^2/NDF:27.3/22

Left: -0.819+/-0.261 χ^2/NDF: 86.5/47

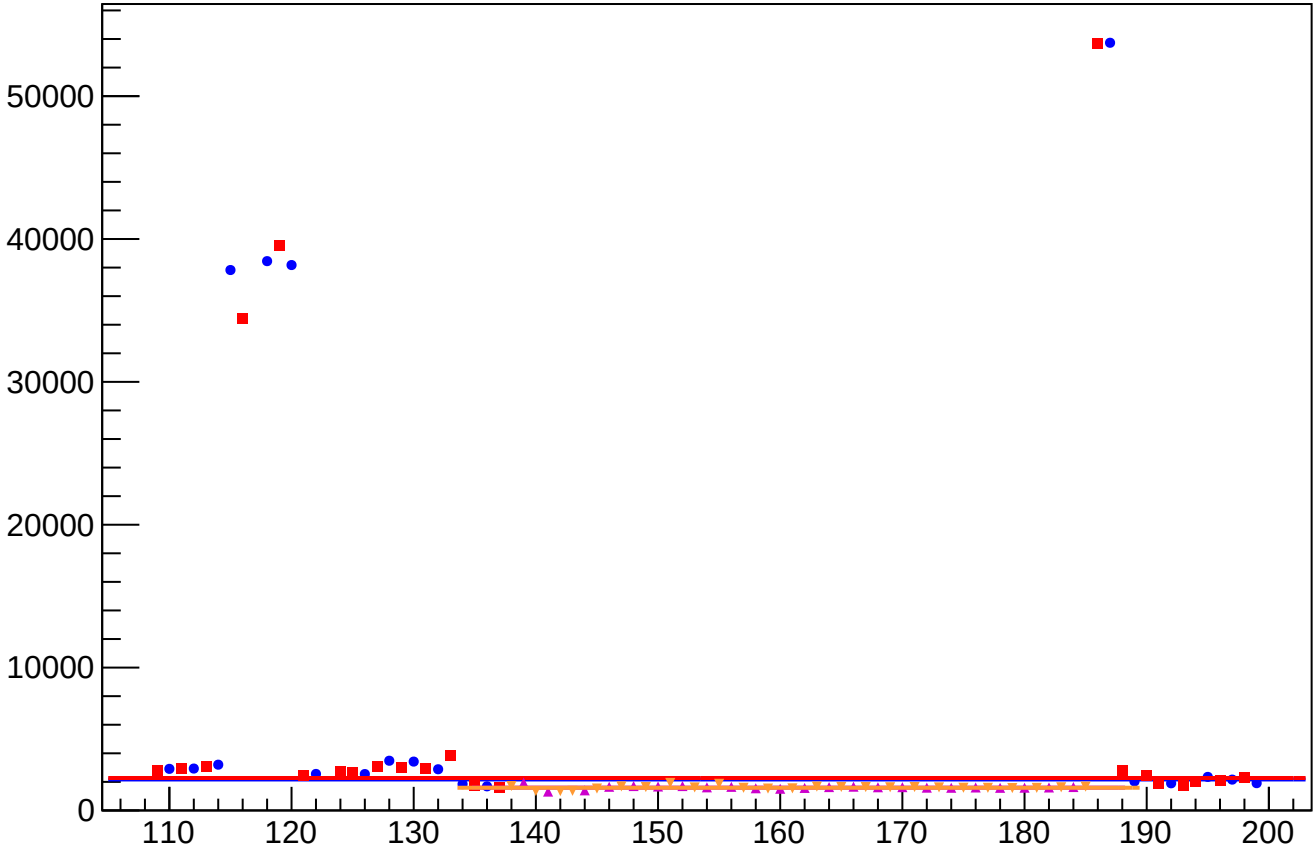
Right: 0.270+/-0.537 χ^2/NDF: 56.2/43

In: -0.315+/-0.336 χ^2/NDF:52.6/43

Out: -0.895+/-0.328 χ^2/NDF:91.9/47

All: -0.612+/-0.234 χ^2/NDF: 146.0/91

diff_bpm1p03aX_rms vs Slug, Sign Corrected



Right In: 2168.996+/-0.536 χ^2/NDF: 2930409.5/18

Left Out: 1589.488+/-0.257 χ^2/NDF:232518.0/24

Right Out: 2272.096+/-0.539 χ^2/NDF: 3150092.3/21

Left In: 1596.179+/-0.265 χ^2/NDF:196833.1/22

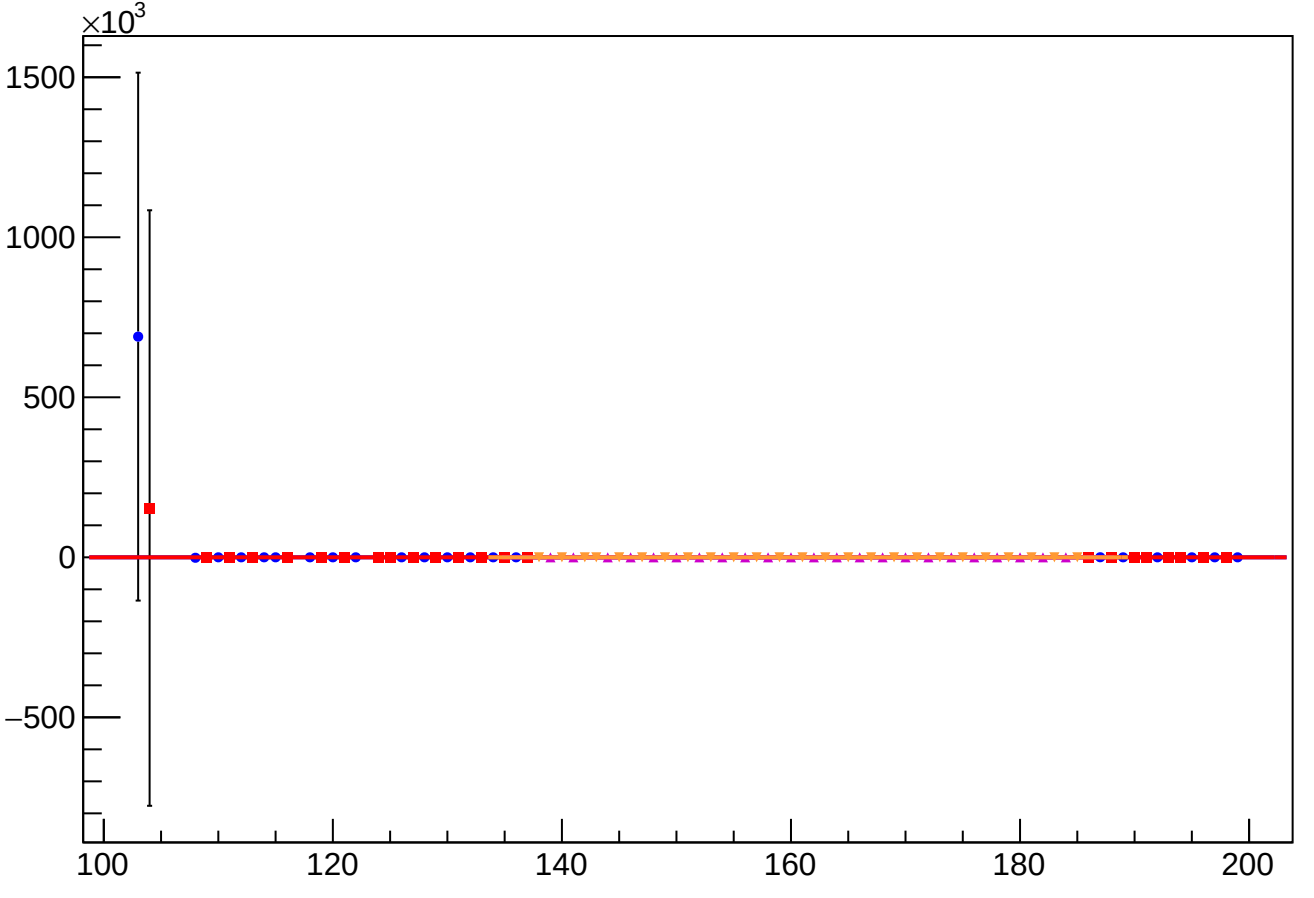
Left: 1592.729+/-0.184 χ^2/NDF: 429680.4/47

Right: 2220.220+/-0.380 χ^2/NDF: 6098903.6/40

In: 1708.633+/-0.237 χ^2/NDF:4046078.5/41

Out: 1715.576+/-0.232 χ^2/NDF:4689658.3/46

All: 1712.188+/-0.166 χ^2/NDF: 8736175.0/88



Right In: 0.352+/-0.653 χ^2/NDF: 13.3/20

Left Out: -1.179+/-0.502 χ^2/NDF:24.4/24

Right Out: 0.069+/-0.631 χ^2/NDF: 26.1/22

Left In: -0.125+/-0.501 χ^2/NDF:16.9/22

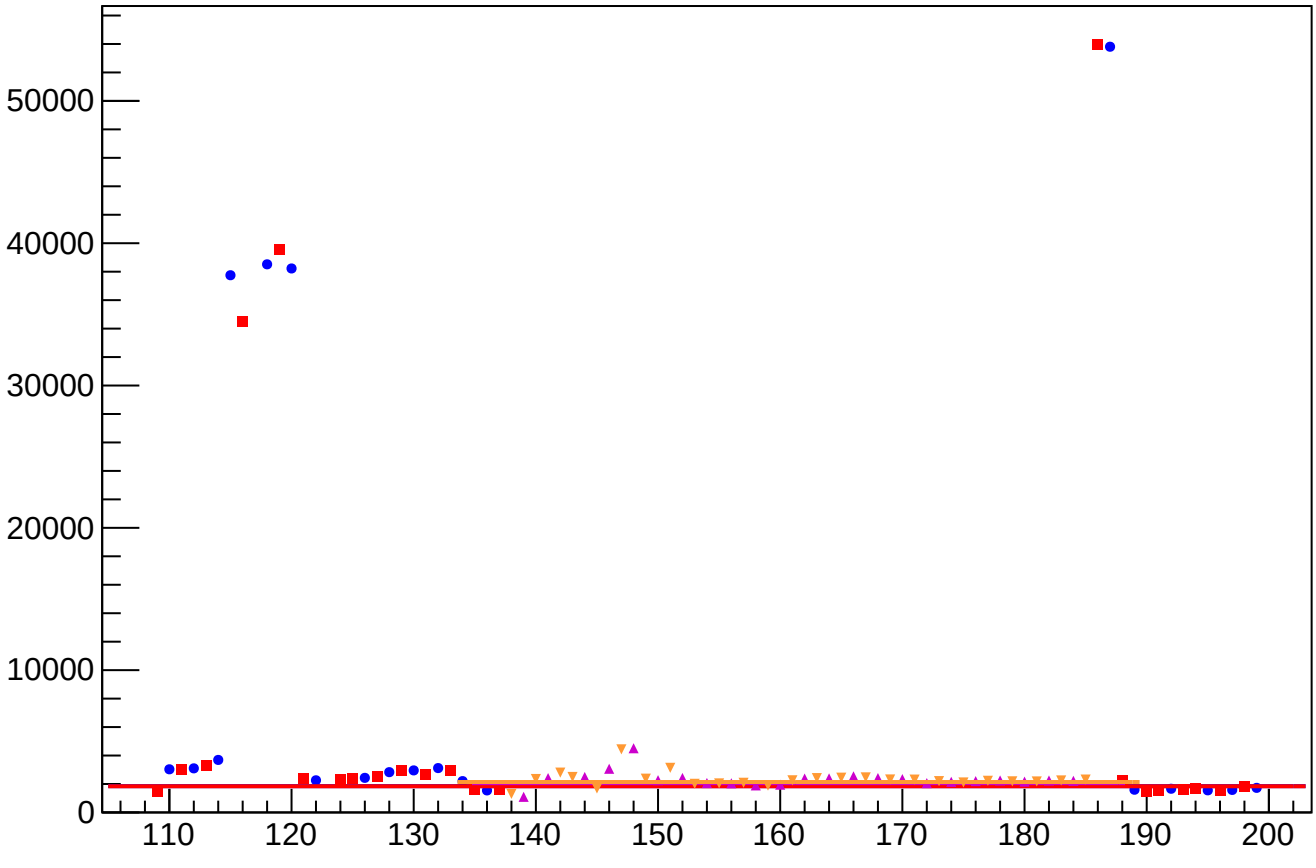
Left: -0.651+/-0.355 χ^2/NDF: 43.5/47

Right: 0.205+/-0.454 χ^2/NDF: 39.4/43

In: 0.052+/-0.398 χ^2/NDF:30.5/43

Out: -0.695+/-0.393 χ^2/NDF:52.9/47

All: -0.326+/-0.280 χ^2/NDF: 85.1/91



Right In: 1849.201+/-0.462 χ^2/NDF: 3279907.1/18

Left Out: 2139.248+/-0.355 χ^2/NDF:1480000.5/24

Right Out: 1839.988+/-0.446 χ^2/NDF: 3406346.1/21

Left In: 2058.216+/-0.354 χ^2/NDF:2293601.6/22

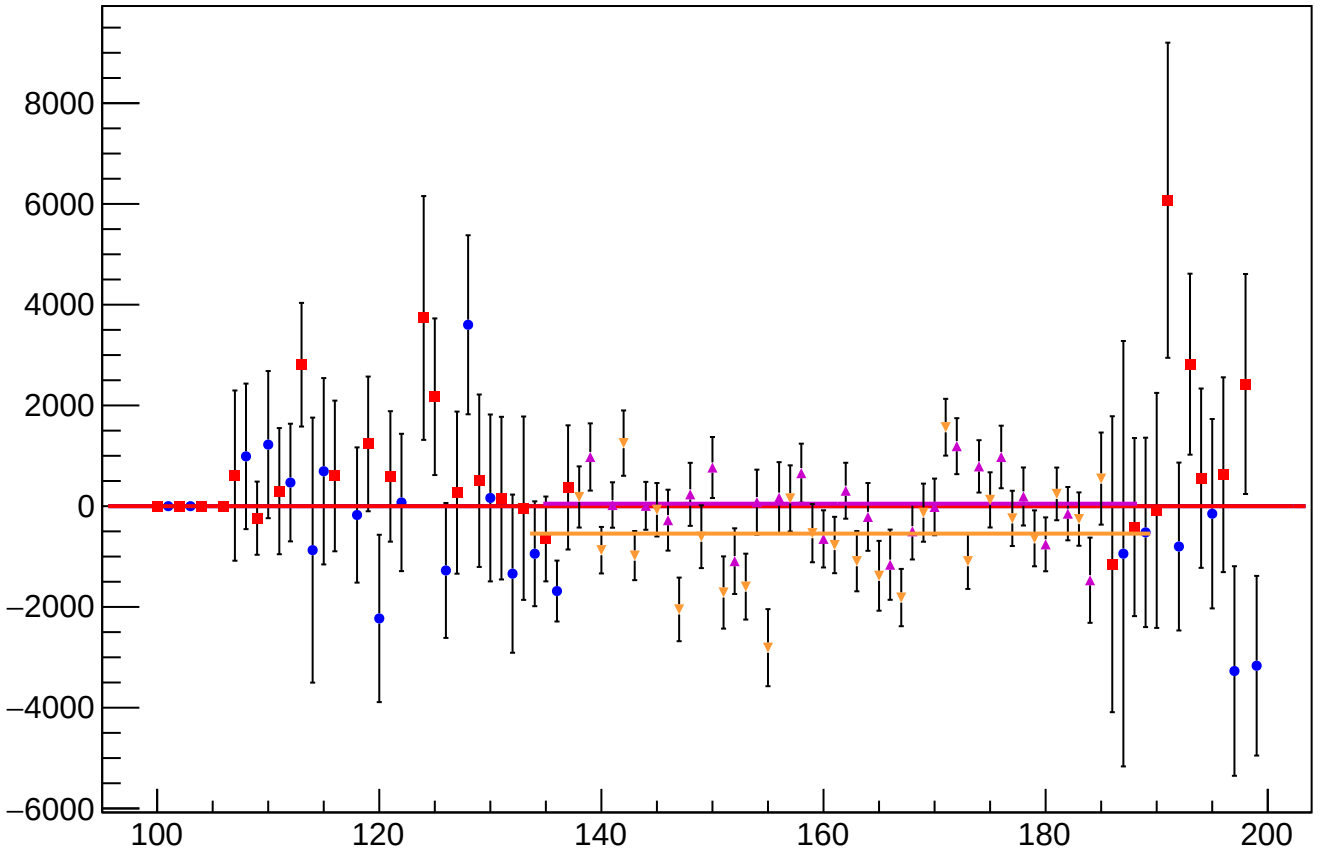
Left: 2098.634+/-0.251 χ^2/NDF: 3799672.6/47

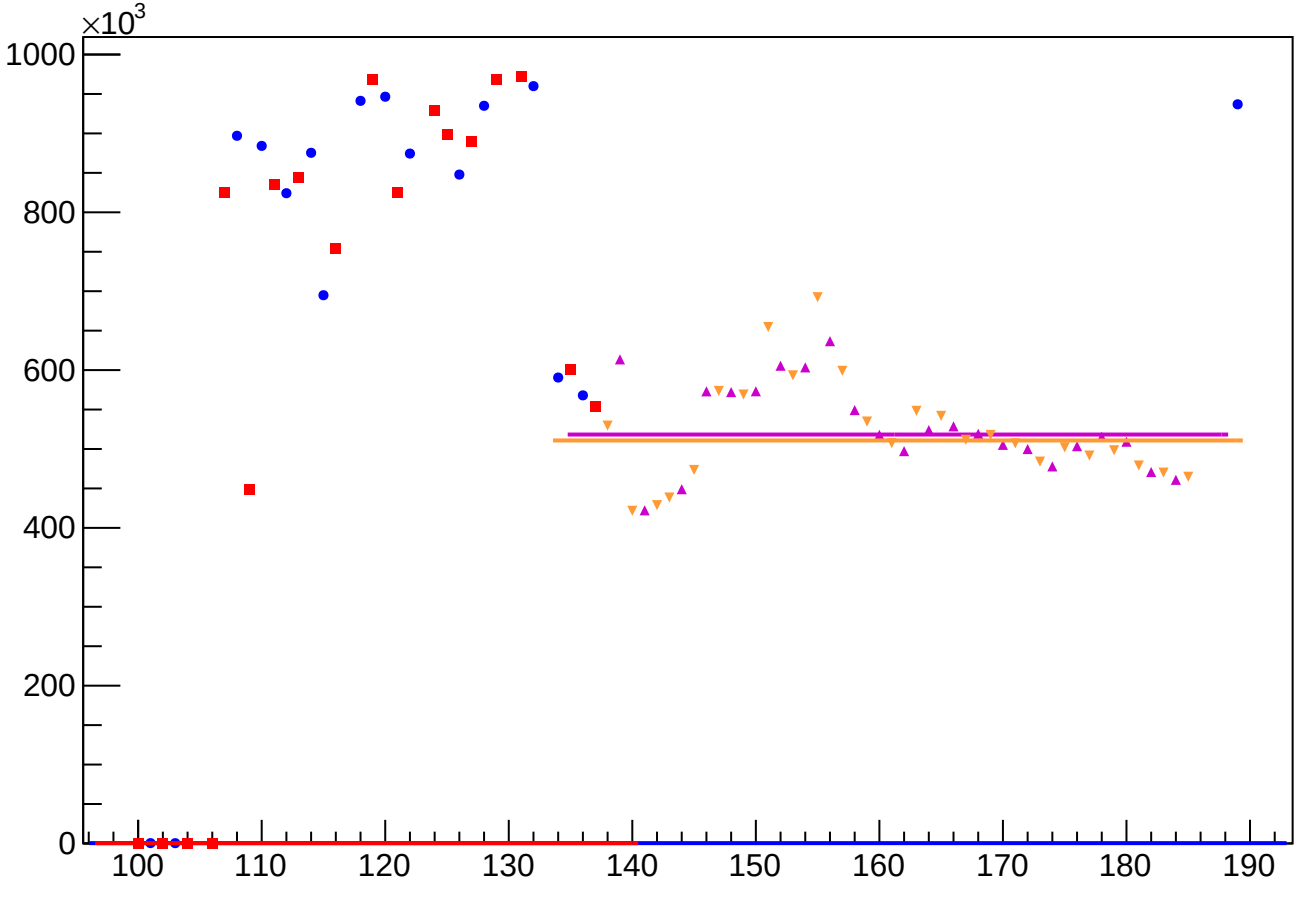
Right: 1844.437+/-0.321 χ^2/NDF: 6686458.9/40

In: 1980.745+/-0.281 χ^2/NDF:5702405.1/41

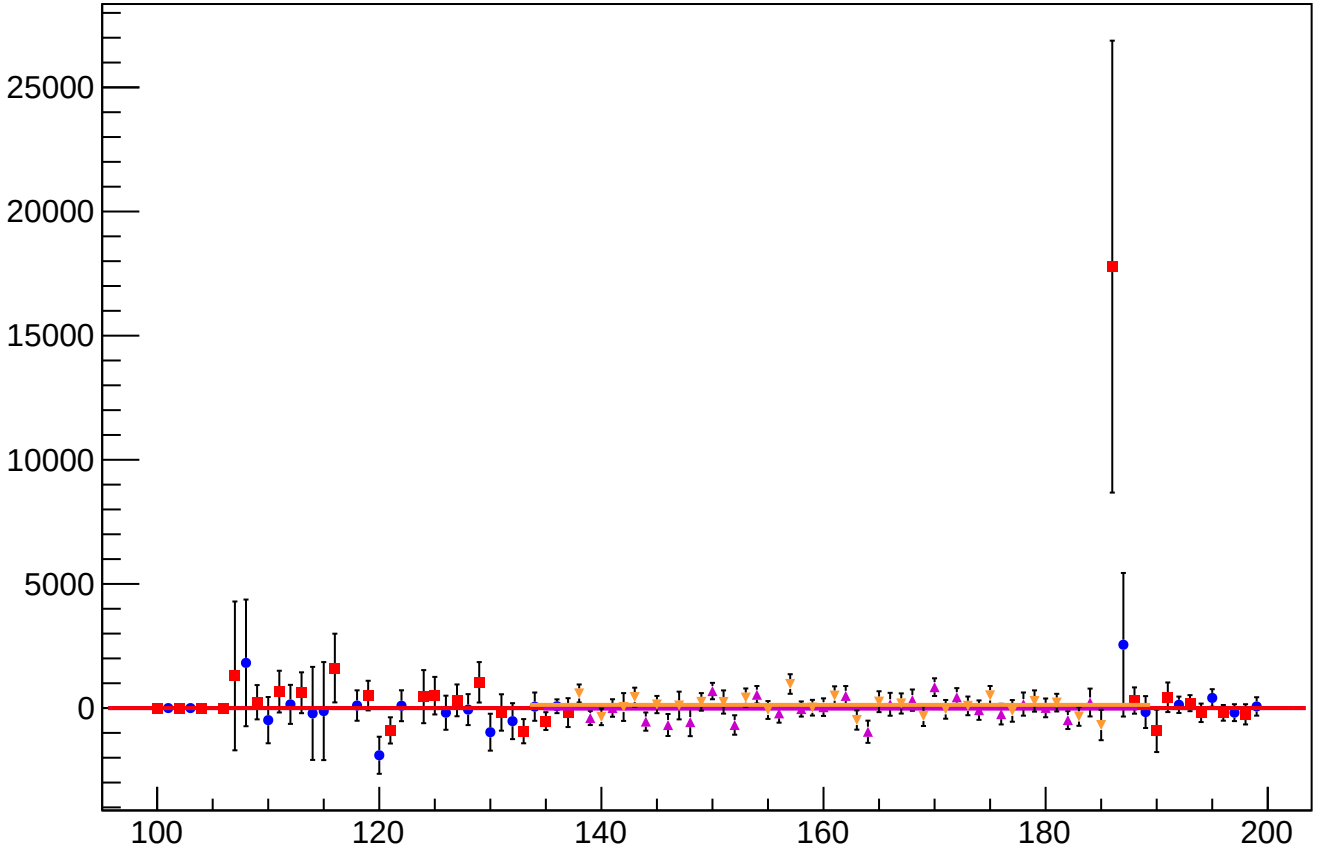
Out: 2023.168+/-0.278 χ^2/NDF:5161529.3/46

All: 2002.200+/-0.198 χ^2/NDF: 10875446.1/8


diff_cav4bX_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
−6000
100
120
140
160
180
200
Right In: 0.255+/-0.356 χ²/NDF: 23.7/21
Left Out: -544.414+/-117.154 χ²/NDF:60.9/24
Right Out: -0.096+/-0.328 χ²/NDF: 23.3/26
Left In: 49.119+/-121.932 χ²/NDF:28.0/22
Left: -259.505+/-84.479 χ²/NDF: 101.1/47
Right: 0.065+/-0.241 χ²/NDF: 47.6/48
In: 0.255+/-0.356 χ²/NDF:51.9/44
Out: -0.100+/-0.328 χ²/NDF:105.7/51
All: 0.063+/-0.241 χ²/NDF: 158.1/96


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: -0.020+/-0.347 χ^2/NDF: 13.1/21

Left Out: 128.971+/-78.249 χ^2/NDF:20.1/24

Right Out: -0.599+/-0.324 χ^2/NDF: 22.2/26

Left In: -19.324+/-79.767 χ^2/NDF:33.7/22

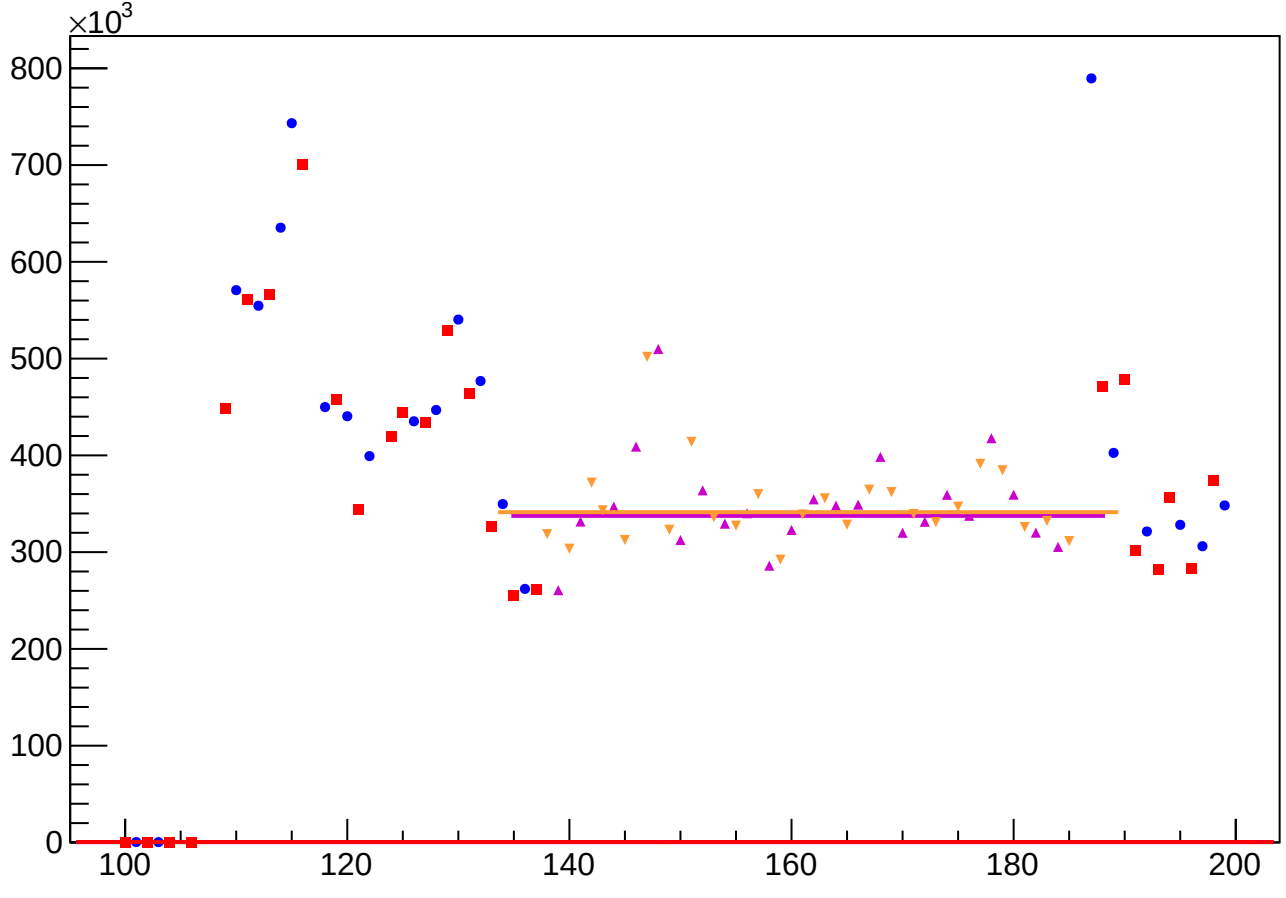
Left: 56.249+/-55.859 χ^2/NDF: 55.5/47

Right: -0.330+/-0.237 χ^2/NDF: 36.9/48

In: -0.020+/-0.347 χ^2/NDF:46.9/44

Out: -0.597+/-0.324 χ^2/NDF:45.1/51

All: -0.329+/-0.237 χ^2/NDF: 93.4/96



Right In: 391.689+/-0.245 χ^2/NDF: 18929181.4/20

Left Out: 341327.149+/-55.330 χ^2/NDF:403173.8/24

Right Out: 389.399+/-0.229 χ^2/NDF: 20383238.5/24

Left In: 337505.654+/-56.407 χ^2/NDF:600776.4/22

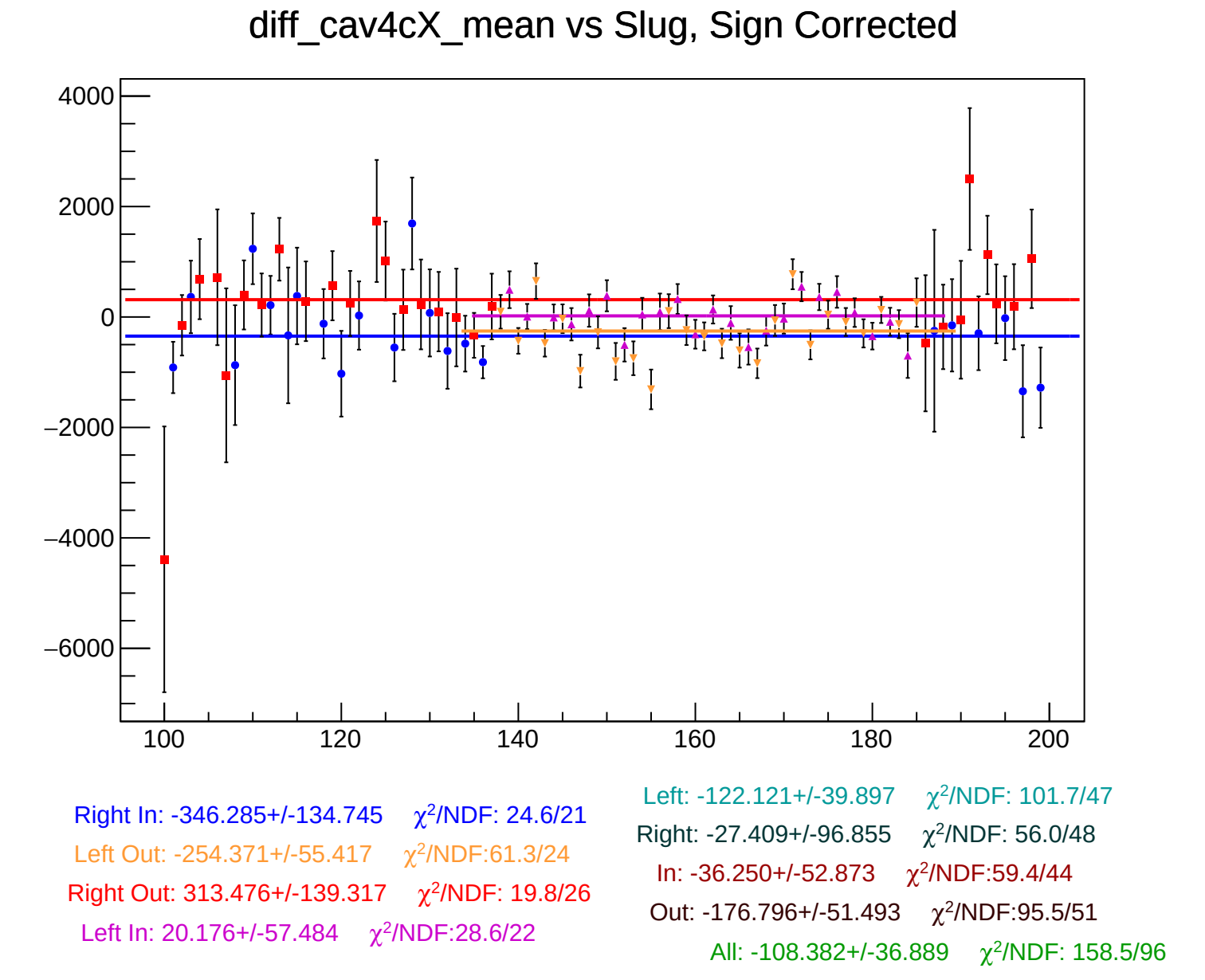
Left: 339453.220+/-39.500 χ^2/NDF: 1006289.4/47

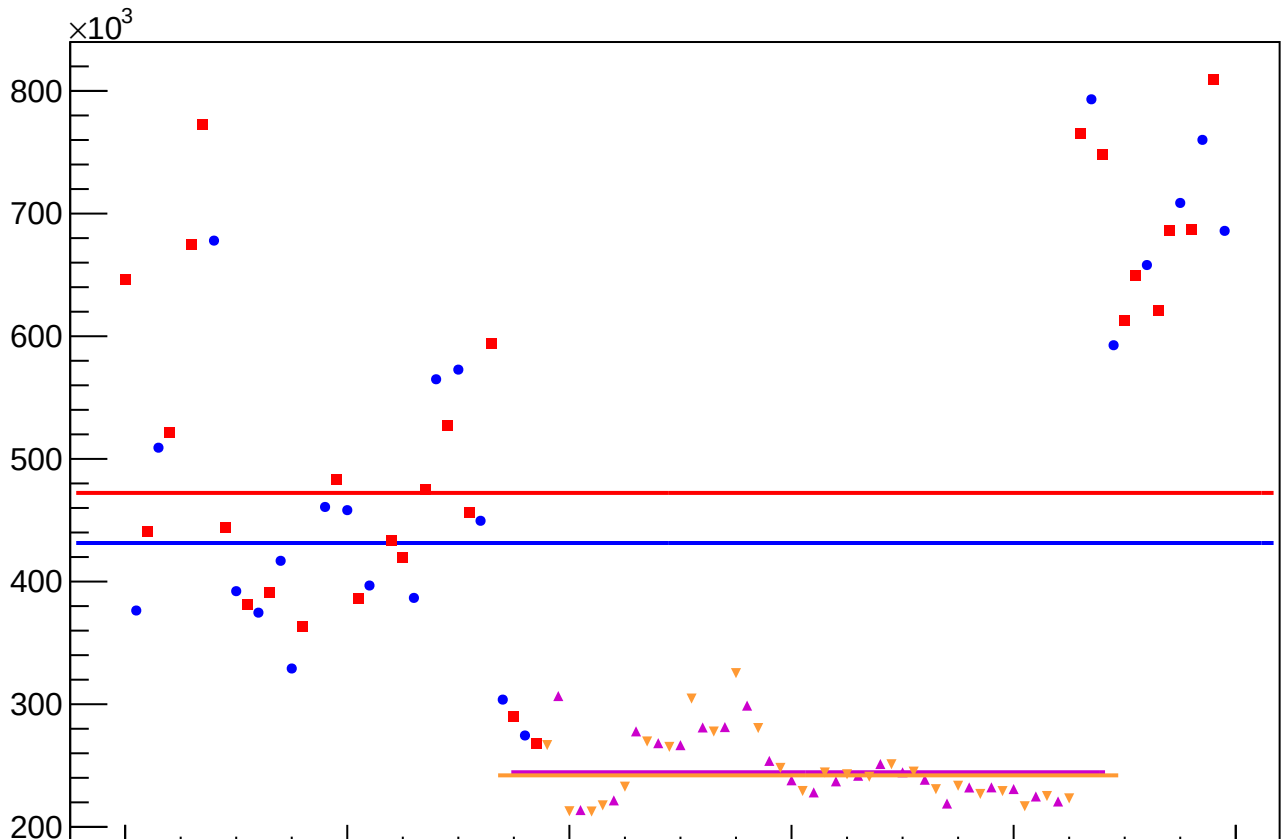
Right: 390.464+/-0.167 χ^2/NDF: 39312466.4/45

In: 398.072+/-0.245 χ^2/NDF:55247502.5/43

Out: 395.237+/-0.229 χ^2/NDF:58754441.3/49

All: 396.556+/-0.167 χ^2/NDF: 114002015.2/9


diff_cav4cX_mean vs Slug, Sign Corrected
4000
2000
0
−2000
−4000
−6000
100
120
140
160
180
200
Right In: -346.285+/-134.745 χ²/NDF: 24.6/21
Left Out: -254.371+/-55.417 χ²/NDF:61.3/24
Right Out: 313.476+/-139.317 χ²/NDF: 19.8/26
Left In: 20.176+/-57.484 χ²/NDF:28.6/22
Left: -122.121+/-39.897 χ²/NDF: 101.7/47
Right: -27.409+/-96.855 χ²/NDF: 56.0/48
In: -36.250+/-52.873 χ²/NDF:59.4/44
Out: -176.796+/-51.493 χ²/NDF:95.5/51
All: -108.382+/-36.889 χ²/NDF: 158.5/96



Right In: 431442.981+/-95.301 χ^2/NDF: 2264579.3/21

Left Out: 242008.749+/-39.186 χ^2/NDF:413236.1/24

Right Out: 472274.373+/-98.652 χ^2/NDF: 2167193.6/26

Left In: 244542.686+/-40.647 χ^2/NDF:361527.4/22

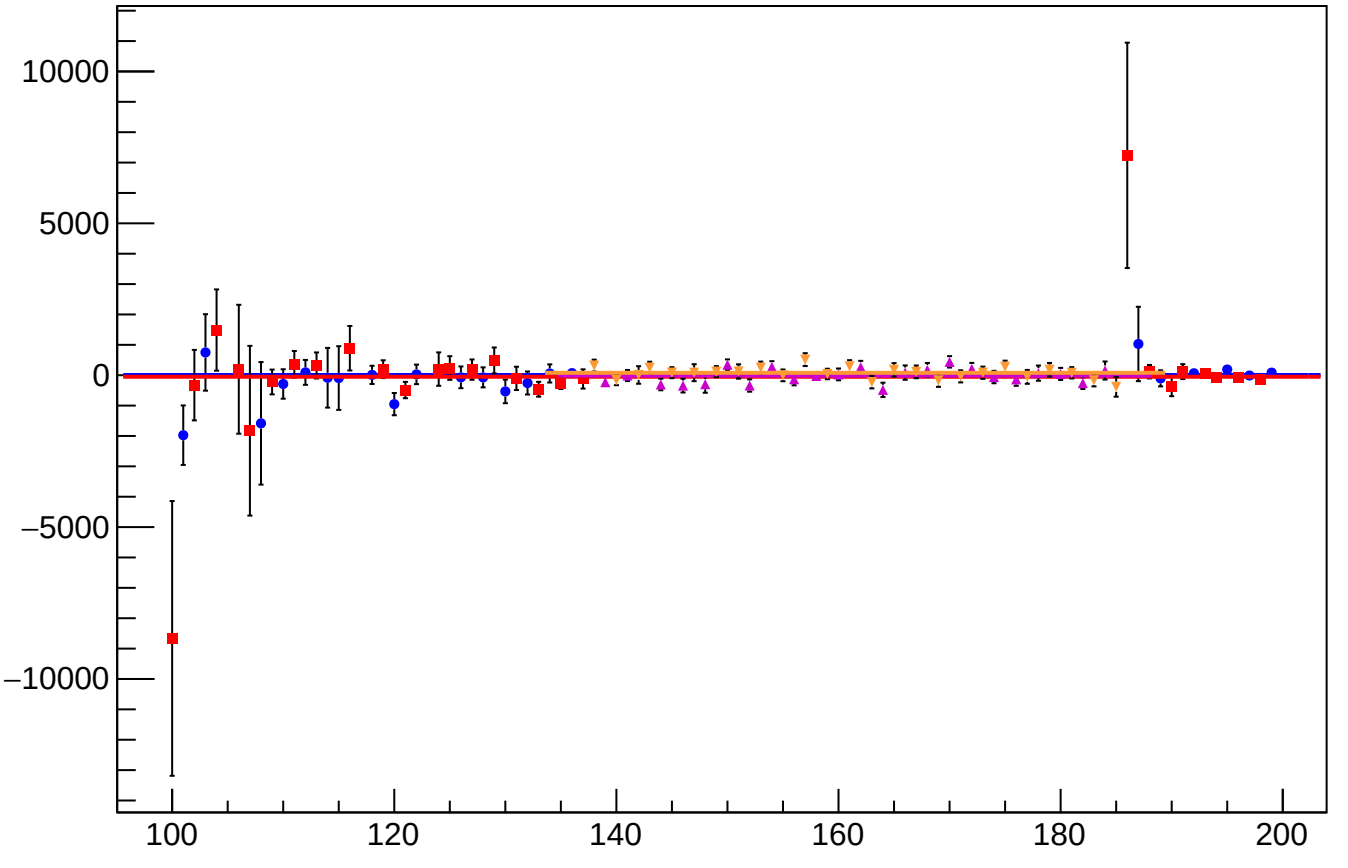
Left: 243229.356+/-28.211 χ^2/NDF: 776777.7/47

Right: 451153.549+/-68.542 χ^2/NDF: 4520385.8/48

In: 273309.353+/-37.388 χ^2/NDF:5880259.8/44

Out: 273389.123+/-36.418 χ^2/NDF:7286124.0/51

All: 273350.286+/-26.088 χ^2/NDF: 1316638



Right In: 6.467+/-53.931 χ^2/NDF: 17.9/21

Left Out: 79.495+/-41.301 χ^2/NDF:19.7/24

Right Out: -50.255+/-51.439 χ^2/NDF: 25.9/26

Left In: -14.032+/-42.233 χ^2/NDF:33.2/22

Left: 33.776+/-29.528 χ^2/NDF: 55.4/47

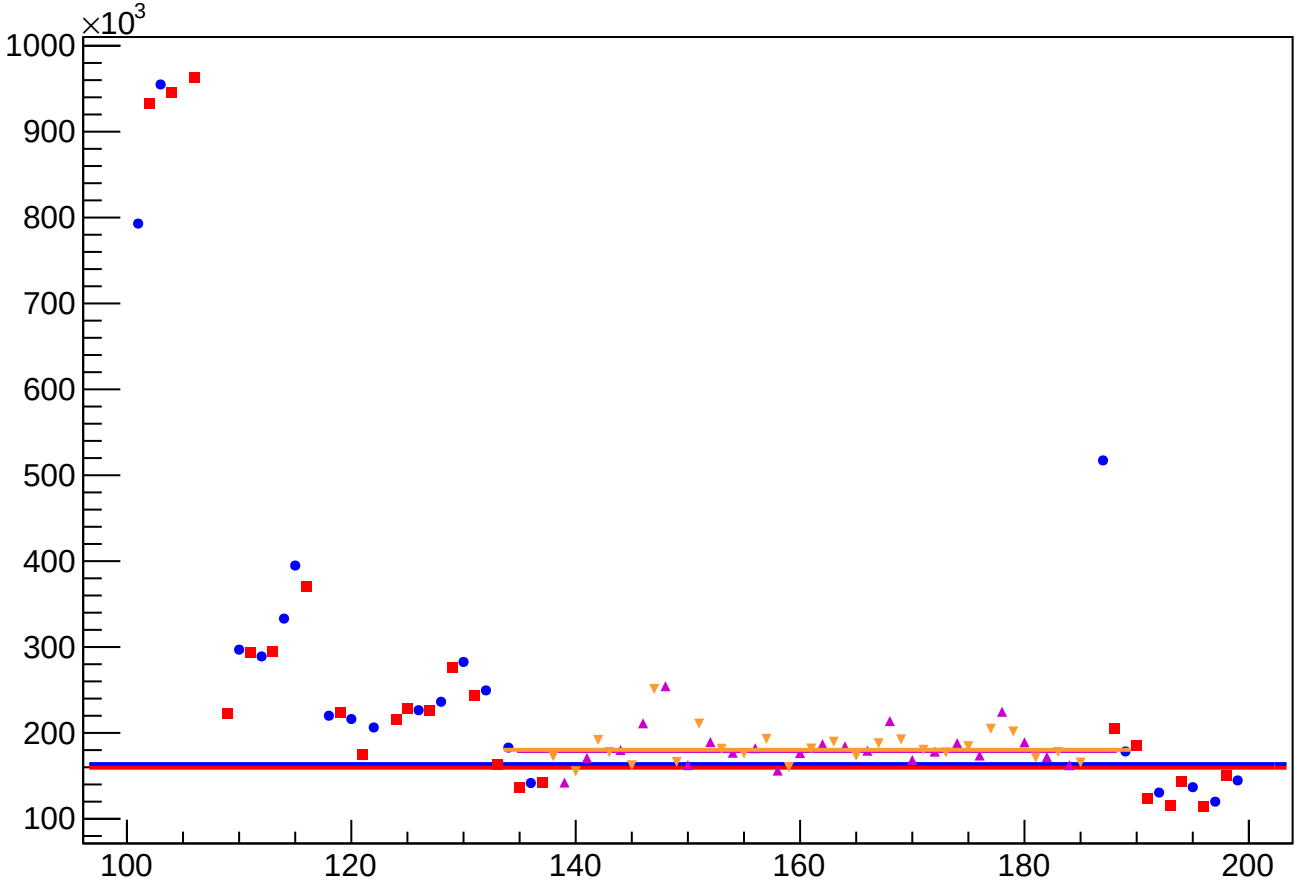
Right: -23.235+/-37.223 χ^2/NDF: 44.3/48

In: -6.240+/-33.251 χ^2/NDF:51.2/44

Out: 28.637+/-32.205 χ^2/NDF:49.5/51

All: 11.756+/-23.133 χ^2/NDF: 101.2/96

diff_cav4cY_rms vs Slug, Sign Corrected



Right In: 163711.791+/-38.160 χ^2/NDF: 3115182.7/20

Left Out: 180342.867+/-29.204 χ^2/NDF:346596.9/24

Right Out: 159538.947+/-36.408 χ^2/NDF: 3223162.8/23

Left In: 179024.195+/-29.863 χ^2/NDF:501400.7/22

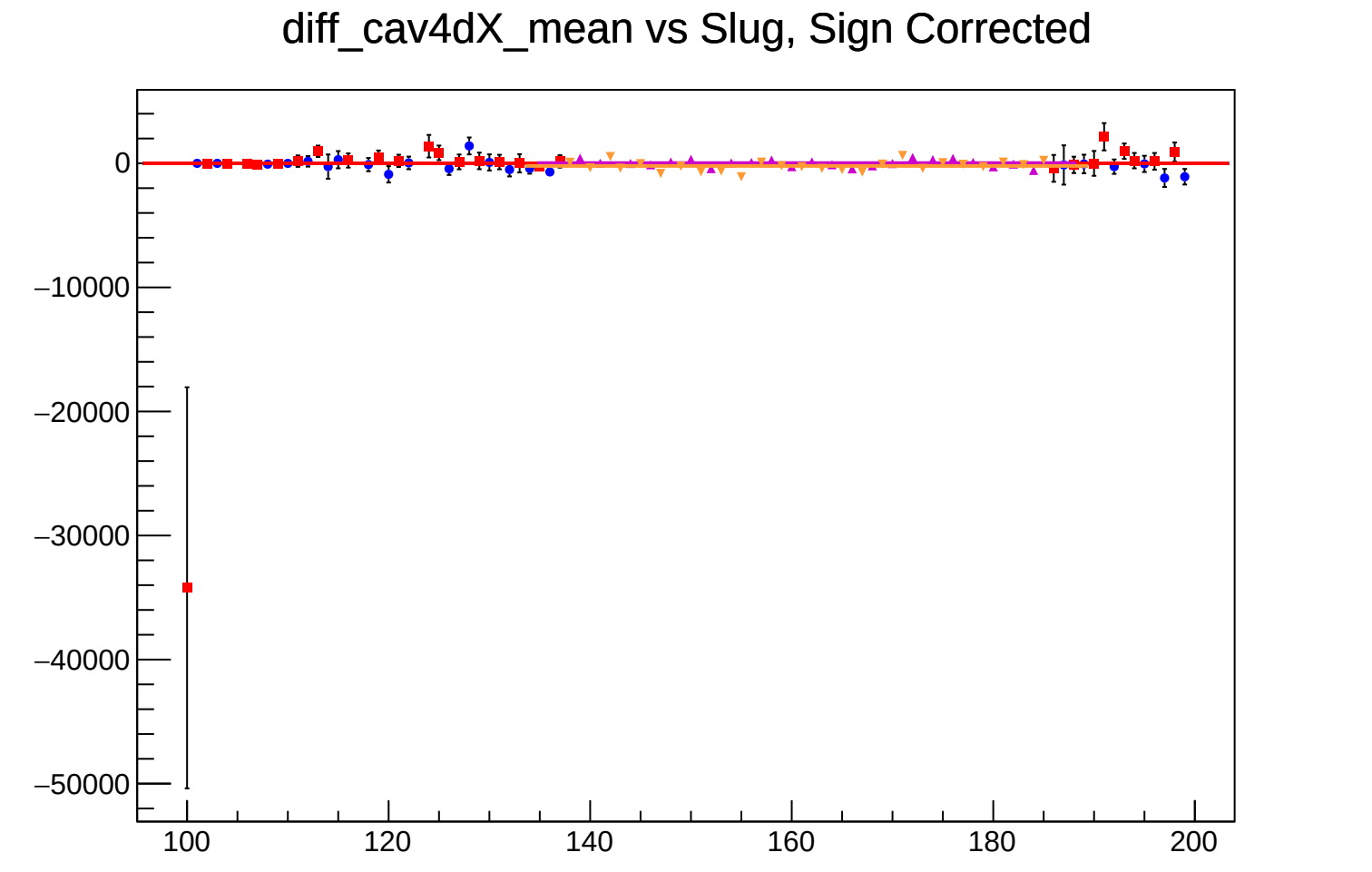
Left: 179698.251+/-20.880 χ^2/NDF: 848994.3/47

Right: 161527.355+/-26.342 χ^2/NDF: 6344605.2/44

In: 173208.214+/-23.518 χ^2/NDF:3716442.5/43

Out: 172197.781+/-22.781 χ^2/NDF:3768440.9/48

All: 172686.912+/-16.363 χ^2/NDF: 7485835.



Right In: -0.035+/-0.172 χ^2/NDF: 23.9/21

Left Out: -210.198+/-46.290 χ^2/NDF:61.2/24

Right Out: 0.355+/-0.160 χ^2/NDF: 24.5/26

Left In: 21.095+/-48.037 χ^2/NDF:28.6/22

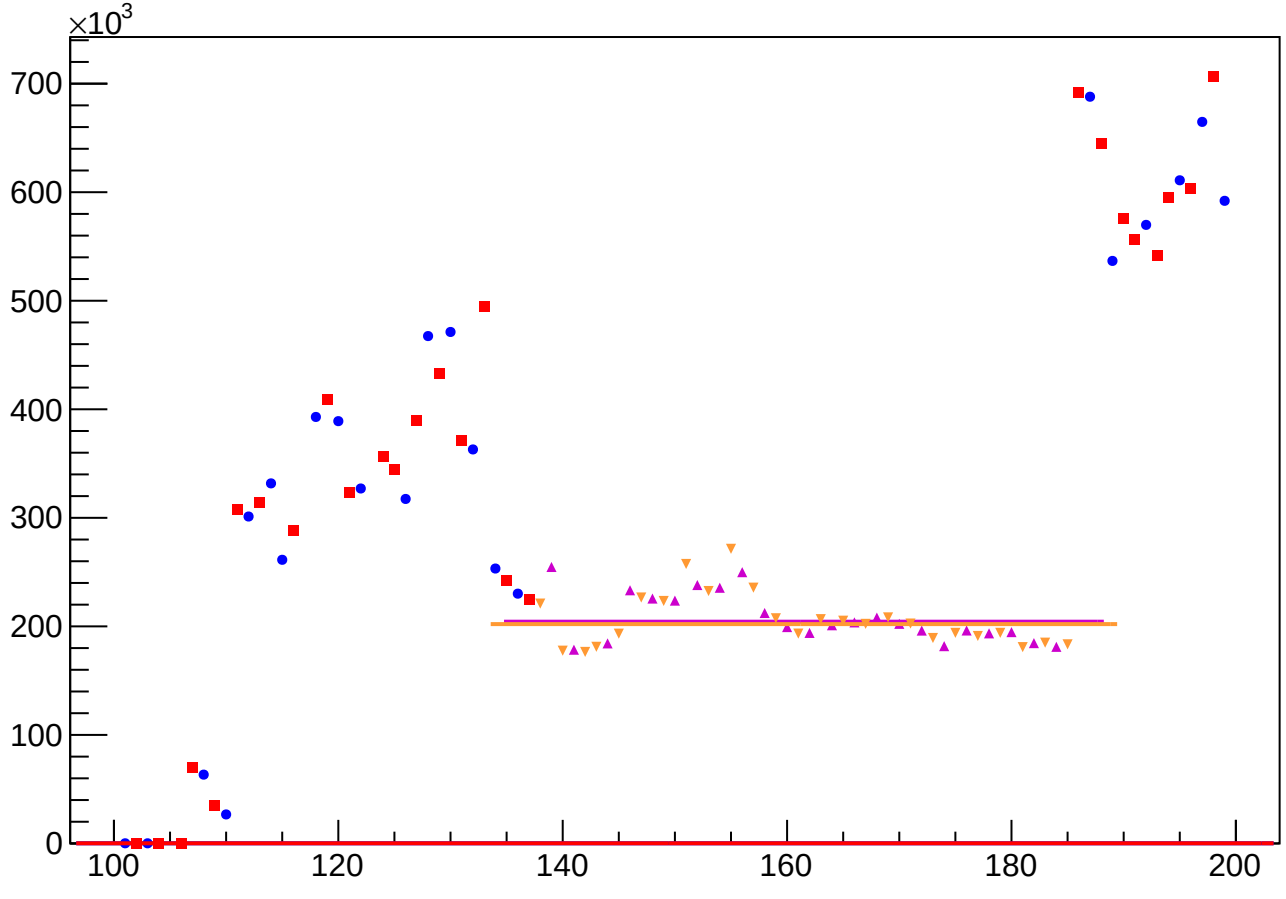
Left: -98.836+/-33.332 χ^2/NDF: 101.8/47

Right: 0.174+/-0.117 χ^2/NDF: 51.2/48

In: -0.035+/-0.172 χ^2/NDF:52.7/44

Out: 0.353+/-0.160 χ^2/NDF:106.4/51

All: 0.173+/-0.117 χ^2/NDF: 161.8/96



Right In: 149.303+/-0.122 χ^2/NDF: 19824487.0/21

Left Out: 202085.802+/-32.732 χ^2/NDF:434069.3/24

Right Out: 149.599+/-0.113 χ^2/NDF: 21849920.4/25

Left In: 204310.238+/-33.967 χ^2/NDF:377332.3/22

Left: 203156.818+/-23.570 χ^2/NDF: 813625.2/47

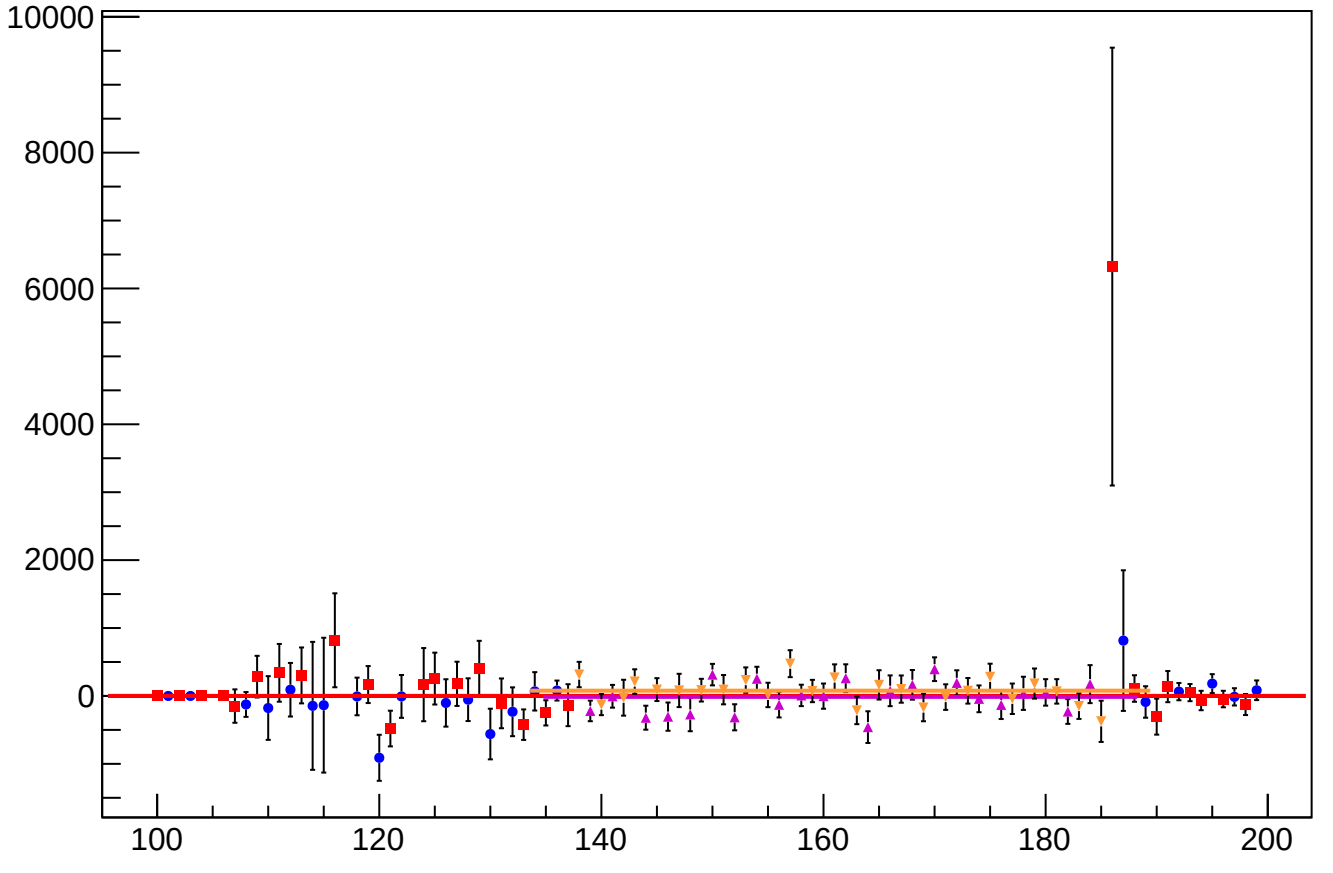
Right: 149.462+/-0.083 χ^2/NDF: 41674410.6/47

In: 151.928+/-0.122 χ^2/NDF:56327232.3/44

Out: 152.016+/-0.113 χ^2/NDF:60345674.6/50

All: 151.975+/-0.083 χ^2/NDF: 116672907.1/9

diff_cav4dY_mean vs Slug, Sign Corrected



Right In: -0.068+/-0.177 χ^2/NDF: 14.3/21

Left Out: 77.572+/-38.921 χ^2/NDF:19.1/24

Right Out: -0.126+/-0.166 χ^2/NDF: 22.3/26

Left In: -13.457+/-39.929 χ^2/NDF:32.7/22

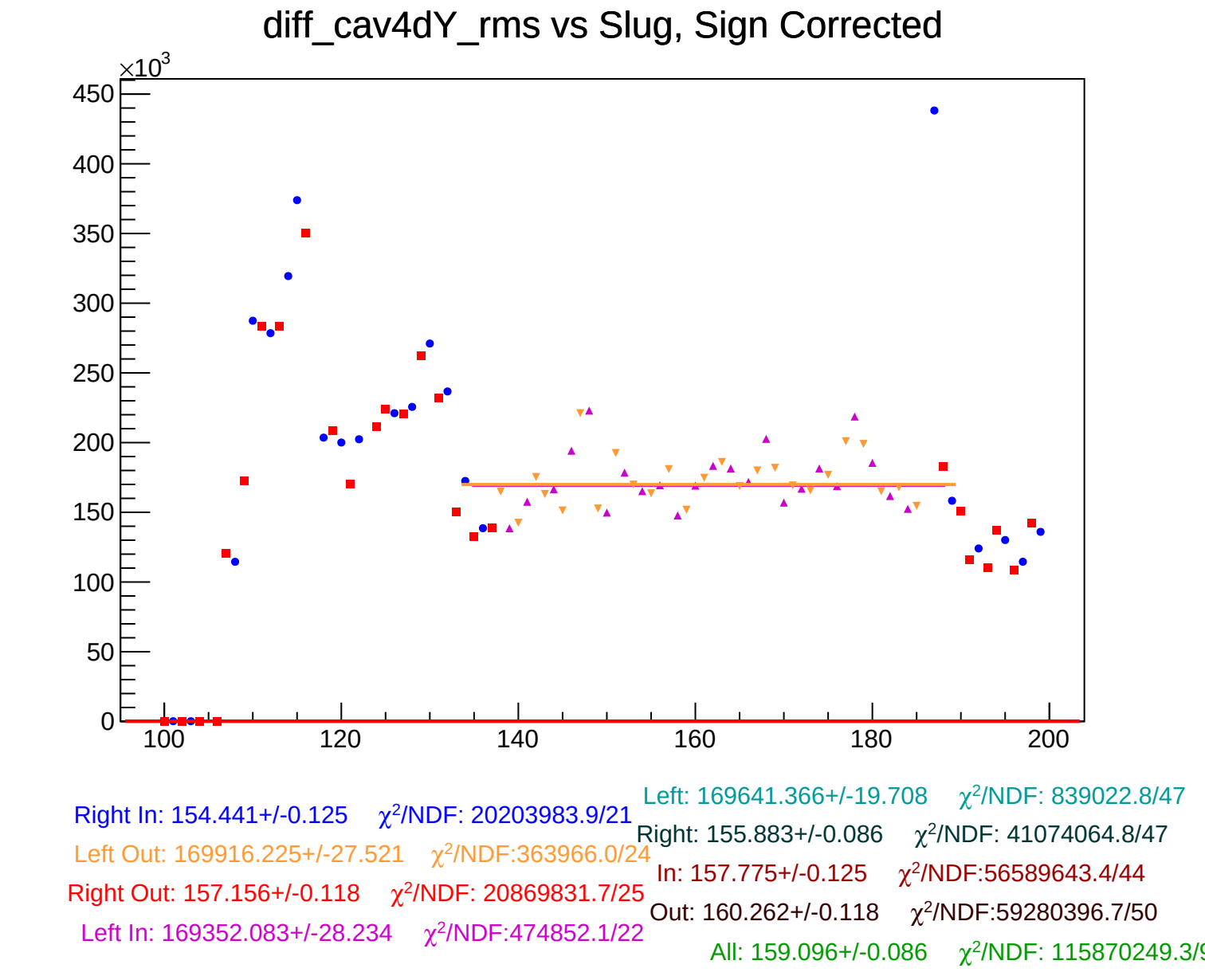
Left: 33.221+/-27.871 χ^2/NDF: 54.4/47

Right: -0.099+/-0.121 χ^2/NDF: 36.6/48

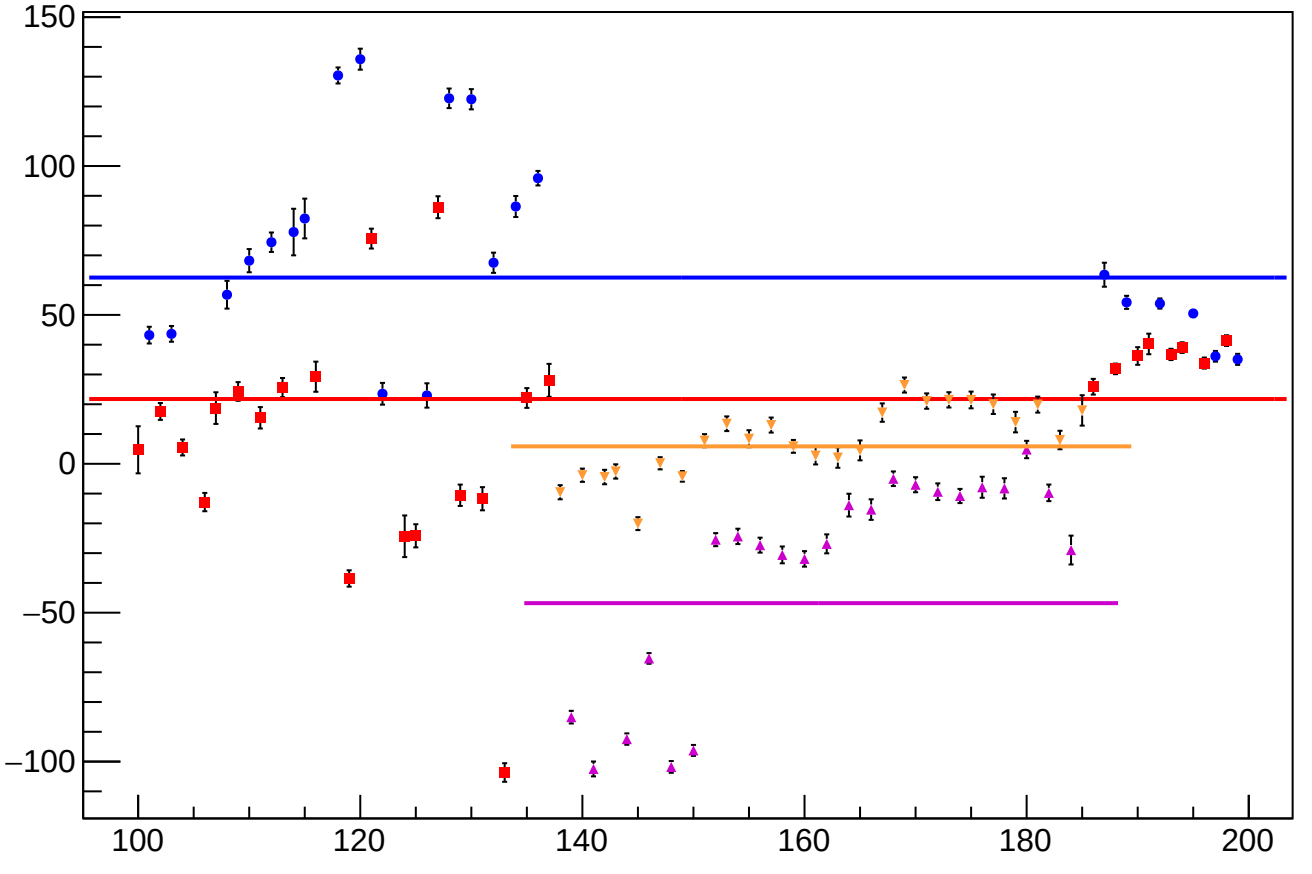
In: -0.068+/-0.177 χ^2/NDF:47.0/44

Out: -0.125+/-0.166 χ^2/NDF:45.3/51

All: -0.098+/-0.121 χ^2/NDF: 92.4/96


diff_cav4dY_rms vs Slug, Sign Corrected
×10^3
450
400
350
300
250
200
150
100
50
0
100
120
140
160
180
200
Right In: 154.441+/-0.125 χ²/NDF: 20203983.9/21
Left Out: 169916.225+/-27.521 χ²/NDF:363966.0/24
Right Out: 157.156+/-0.118 χ²/NDF: 20869831.7/25
Left In: 169352.083+/-28.234 χ²/NDF:474852.1/22
Left: 169641.366+/-19.708 χ²/NDF: 839022.8/47
Right: 155.883+/-0.086 χ²/NDF: 41074064.8/47
In: 157.775+/-0.125 χ²/NDF:56589643.4/44
Out: 160.262+/-0.118 χ²/NDF:59280396.7/50
All: 159.096+/-0.086 χ²/NDF: 115870249.3/9

diff_bpm0i01X_mean vs Slug, Sign Corrected



Right In: 62.542+/-0.580 χ^2/NDF: 2812.7/21

Left Out: 5.852+/-0.514 χ^2/NDF:535.3/24

Right Out: 21.755+/-0.548 χ^2/NDF: 3583.1/26

Left In: -46.796+/-0.524 χ^2/NDF:5175.4/22

Left: -19.940+/-0.367 χ^2/NDF: 10850.6/47

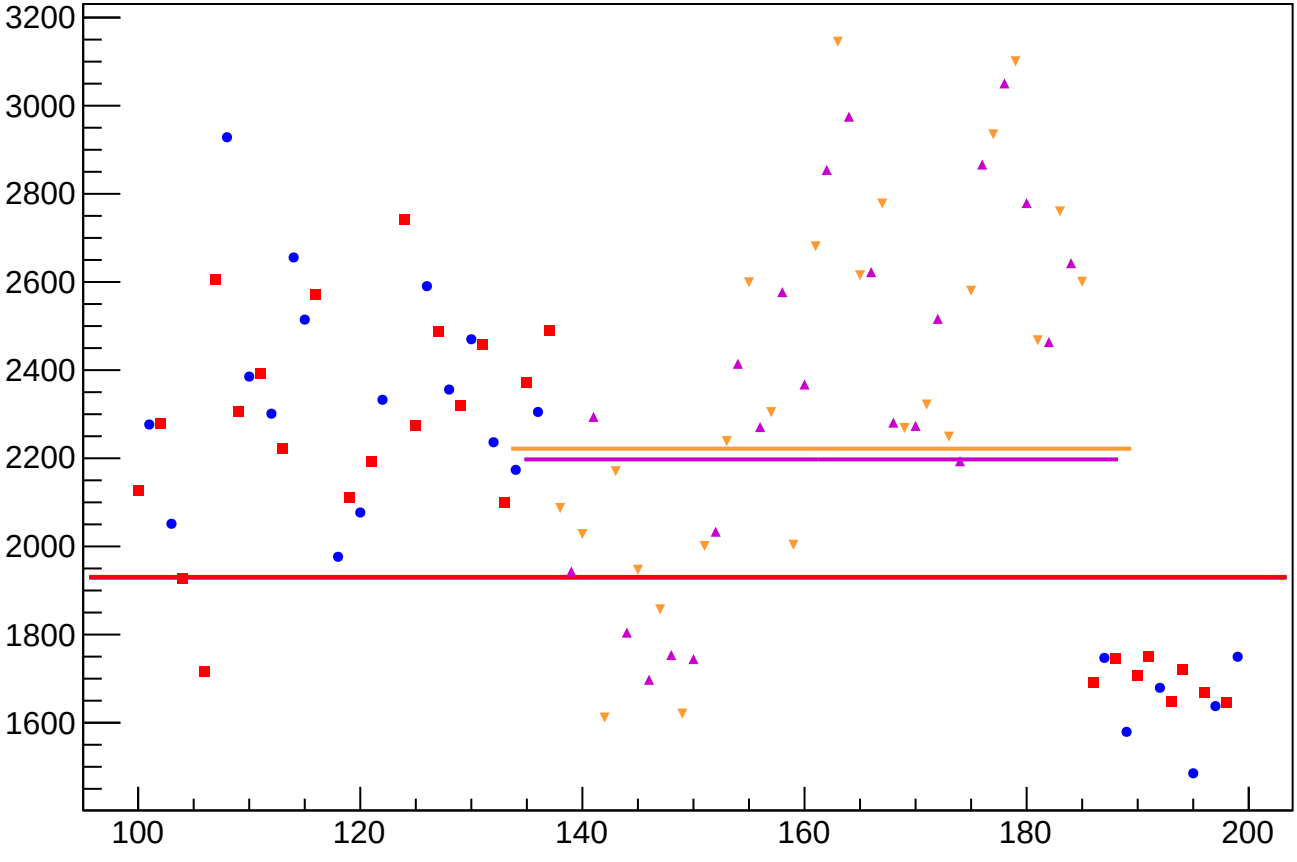
Right: 40.972+/-0.398 χ^2/NDF: 9009.4/48

In: 2.371+/-0.389 χ^2/NDF:27530.9/44

Out: 13.299+/-0.375 χ^2/NDF:4566.7/51

All: 8.040+/-0.270 χ^2/NDF: 32506.9/96

diff_bpm0i01X_rms vs Slug, Sign Corrected



Right In: 1929.357+/-0.410 χ^2/NDF: 770042.3/21

Left Out: 2221.771+/-0.363 χ^2/NDF:1184043.2/24

Right Out: 1930.917+/-0.387 χ^2/NDF: 632590.4/26

Left In: 2197.471+/-0.371 χ^2/NDF:1104663.4/22

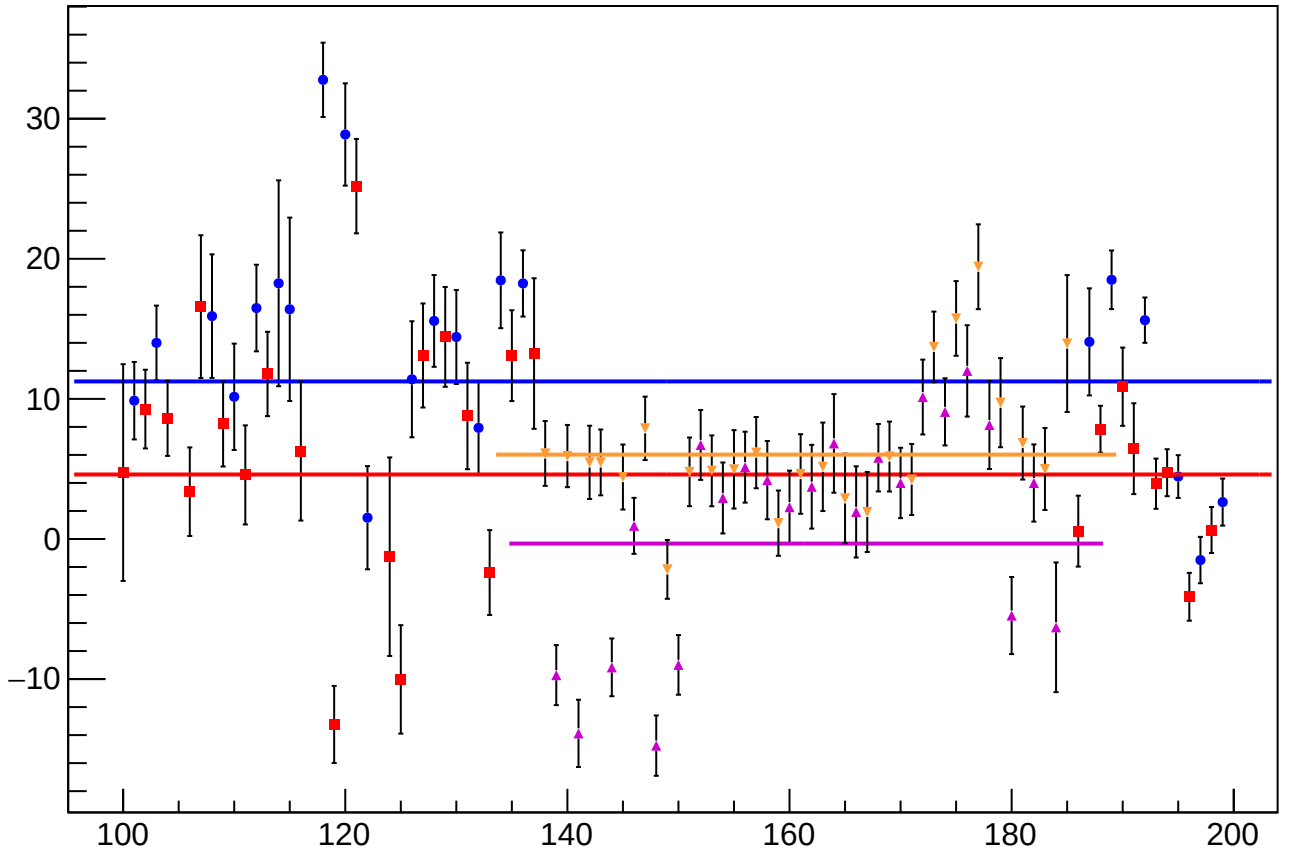
Left: 2209.867+/-0.260 χ^2/NDF: 2290896.6/47

Right: 1930.182+/-0.282 χ^2/NDF: 1402640.3/48

In: 2076.906+/-0.275 χ^2/NDF:2109728.5/44

Out: 2085.557+/-0.265 χ^2/NDF:2116570.8/51

All: 2081.393+/-0.191 χ^2/NDF: 4226812.2/96



Right In: 11.246+/-0.554 χ^2/NDF: 245.2/21

Left Out: 6.022+/-0.521 χ^2/NDF:71.8/24

Right Out: 4.604+/-0.524 χ^2/NDF: 184.7/26

Left In: -0.329+/-0.535 χ^2/NDF:224.9/22

Left: 2.929+/-0.373 χ^2/NDF: 369.1/47

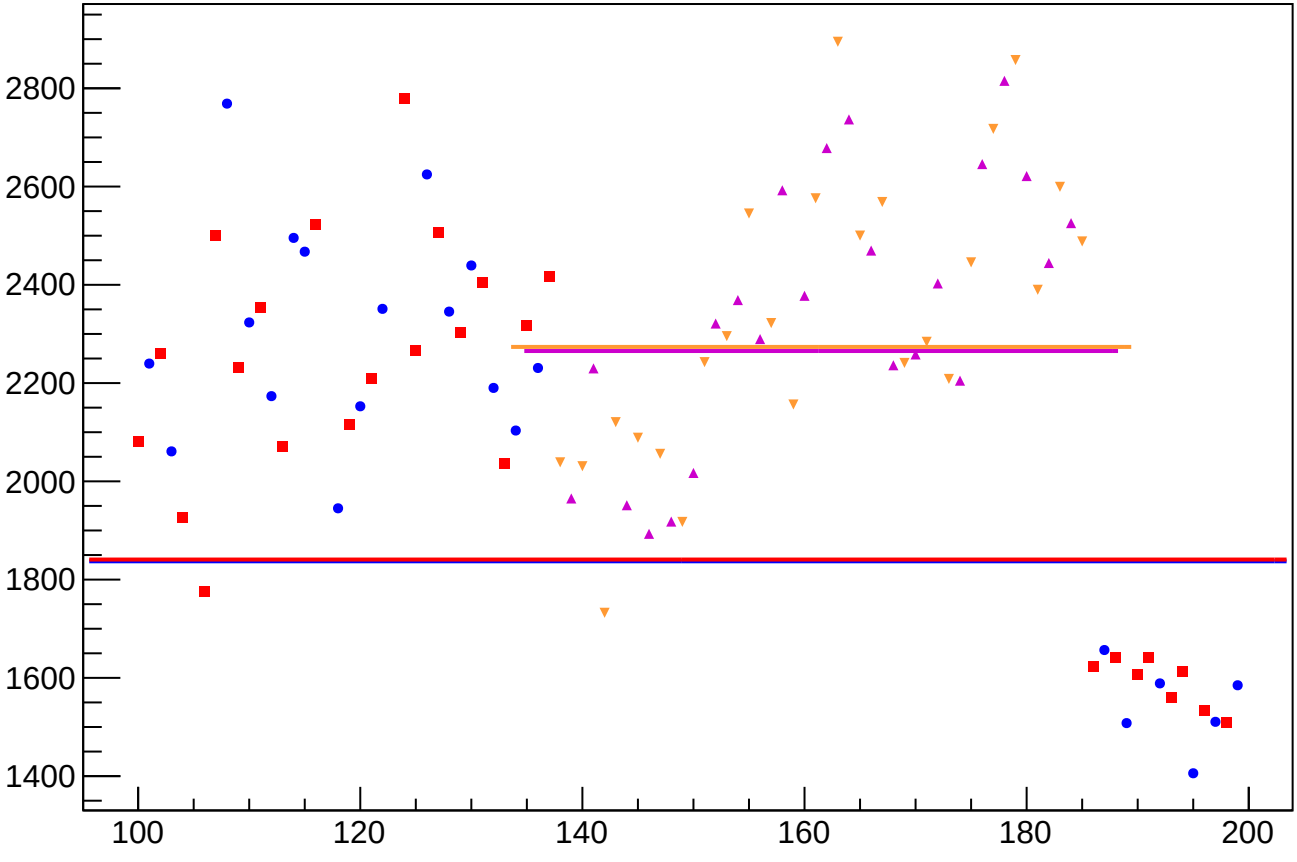
Right: 7.737+/-0.381 χ^2/NDF: 505.8/48

In: 5.248+/-0.385 χ^2/NDF:696.0/44

Out: 5.317+/-0.369 χ^2/NDF:260.2/51

All: 5.284+/-0.266 χ^2/NDF: 956.2/96

diff_bpm0i01Y_rms vs Slug, Sign Corrected



Right In: 1837.258+/-0.392 χ^2/NDF: 953164.2/21

Left Out: 2273.612+/-0.368 χ^2/NDF:536838.6/24

Right Out: 1840.845+/-0.370 χ^2/NDF: 824614.3/26

Left In: 2265.257+/-0.378 χ^2/NDF:495816.5/22

Left: 2269.543+/-0.264 χ^2/NDF: 1032905.7/47

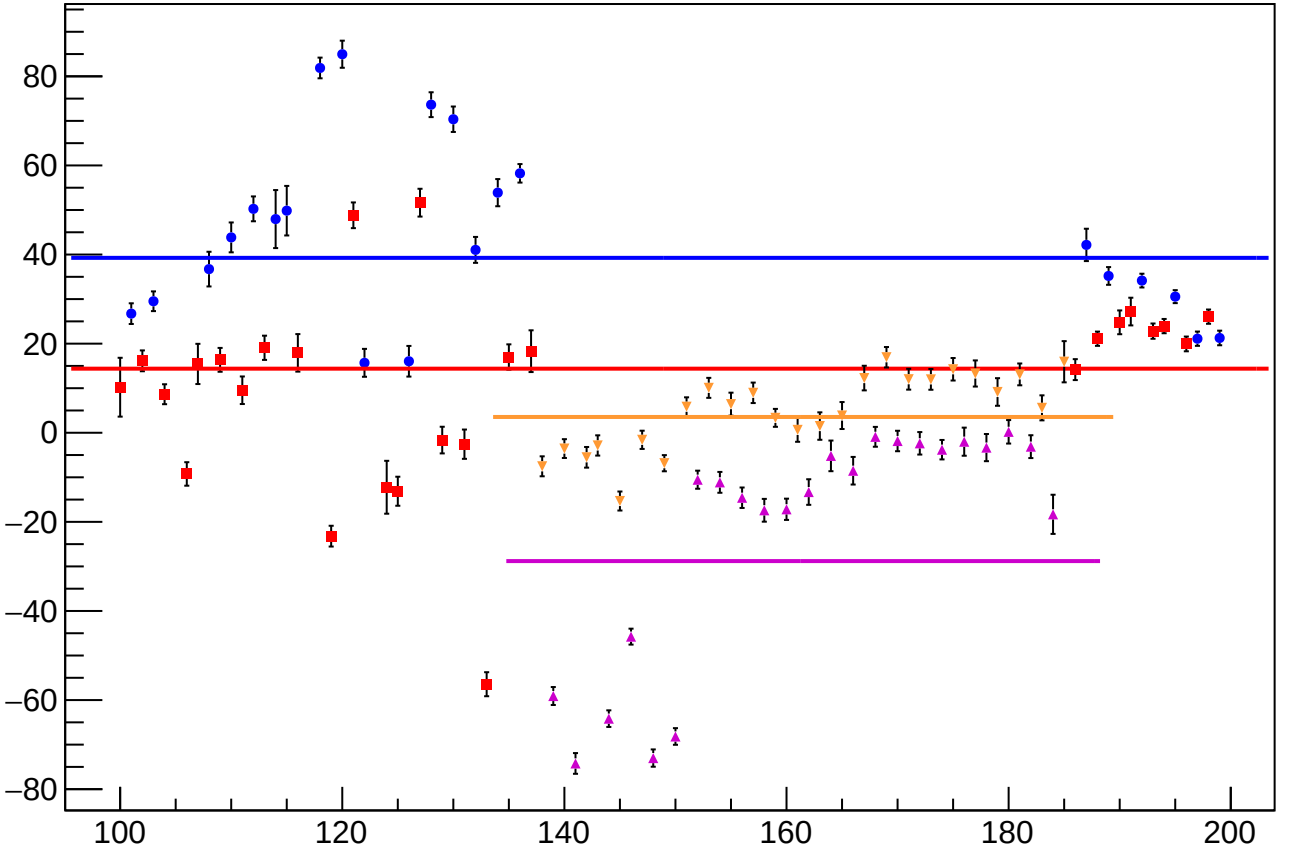
Right: 1839.154+/-0.269 χ^2/NDF: 1777822.8/48

In: 2059.034+/-0.272 χ^2/NDF:2066699.8/44

Out: 2058.449+/-0.261 χ^2/NDF:2048000.0/51

All: 2058.729+/-0.188 χ^2/NDF: 4114702.2/96

diff_bpm0i01aX_mean vs Slug, Sign Corrected



Right In: 39.258+/-0.507 χ^2/NDF: 1413.8/21

Left Out: 3.544+/-0.480 χ^2/NDF:319.8/24

Right Out: 14.385+/-0.478 χ^2/NDF: 1651.5/26

Left In: -28.804+/-0.491 χ^2/NDF:3262.5/22

Left: -12.278+/-0.343 χ^2/NDF: 5801.2/47

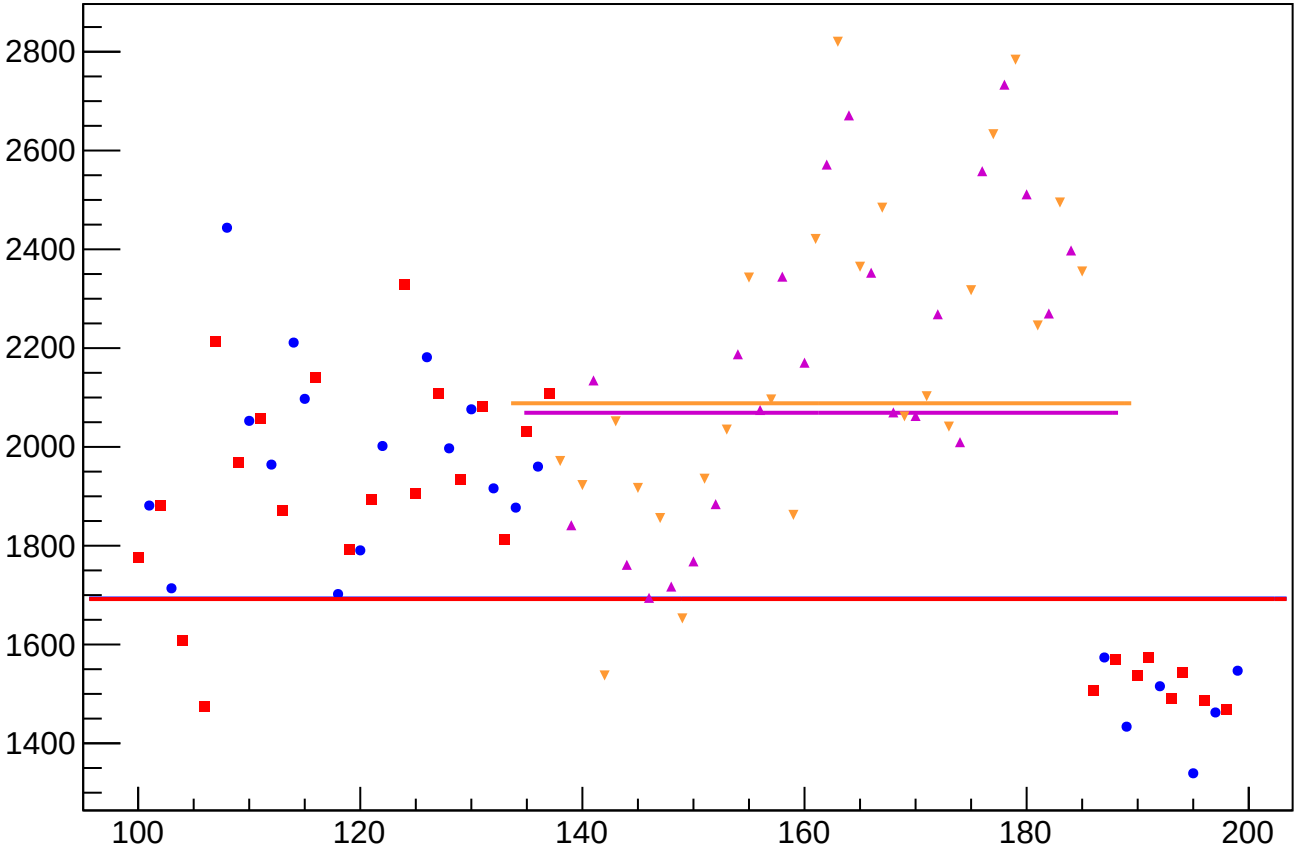
Right: 26.103+/-0.348 χ^2/NDF: 4340.8/48

In: 4.160+/-0.352 χ^2/NDF:13988.2/44

Out: 8.990+/-0.339 χ^2/NDF:2227.2/51

All: 6.670+/-0.244 χ^2/NDF: 16313.0/96

diff_bpm0i01aX_rms vs Slug, Sign Corrected



Right In: 1693.080+/-0.358 χ^2/NDF: 564446.6/21

Left Out: 2088.353+/-0.340 χ^2/NDF:787429.8/24

Right Out: 1691.997+/-0.338 χ^2/NDF: 456177.0/26

Left In: 2069.116+/-0.347 χ^2/NDF:711501.5/22

Left: 2078.944+/-0.243 χ^2/NDF: 1500500.6/47

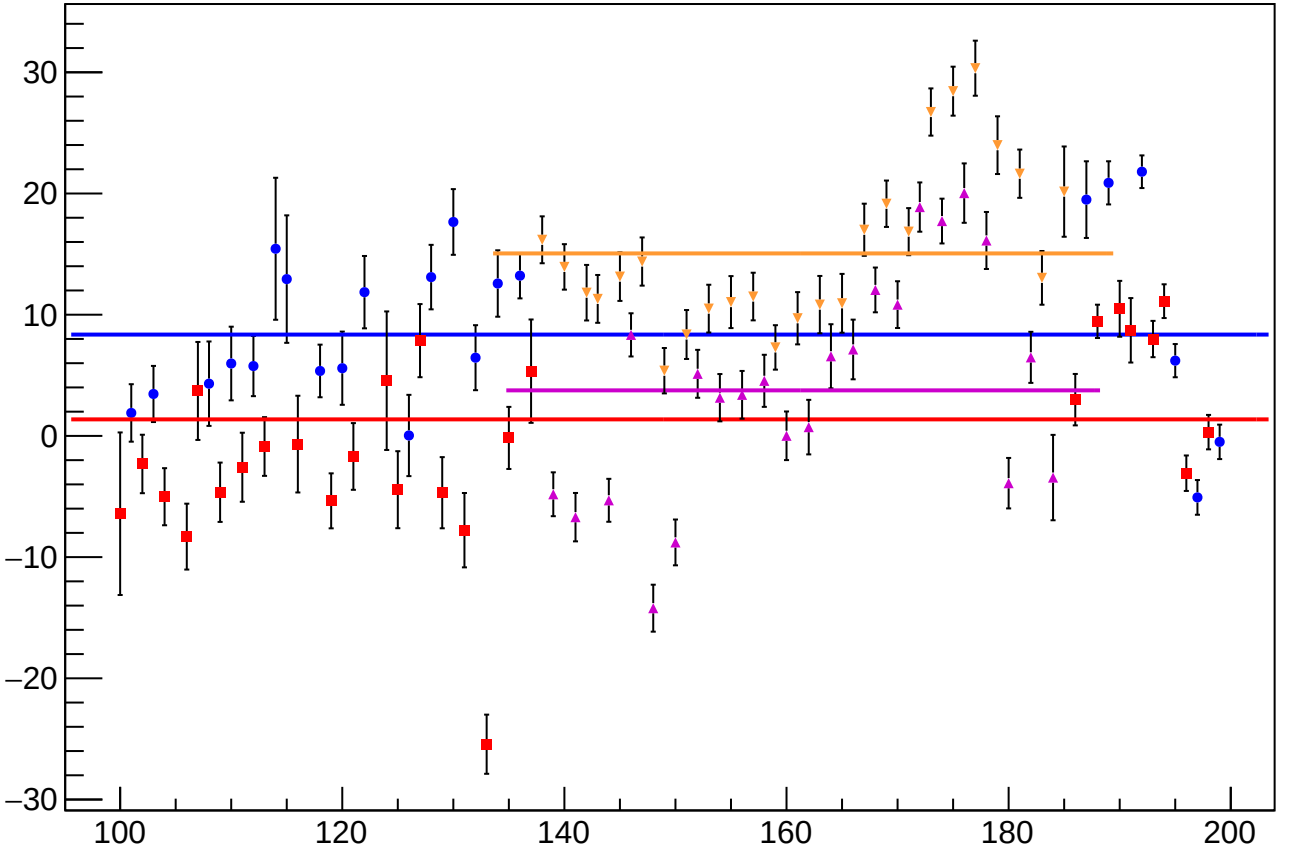
Right: 1692.507+/-0.246 χ^2/NDF: 1020628.4/48

In: 1886.995+/-0.249 χ^2/NDF:1844419.5/44

Out: 1889.249+/-0.240 χ^2/NDF:1927860.9/51

All: 1888.166+/-0.173 χ^2/NDF: 3772322.9/96

diff_bpm0i01aY_mean vs Slug, Sign Corrected



Right In: 8.360+/-0.465 χ^2/NDF: 342.6/21

Left Out: 15.056+/-0.416 χ^2/NDF:246.2/24

Right Out: 1.364+/-0.436 χ^2/NDF: 323.2/26

Left In: 3.758+/-0.428 χ^2/NDF:459.1/22

Left: 9.570+/-0.298 χ^2/NDF: 1064.0/47

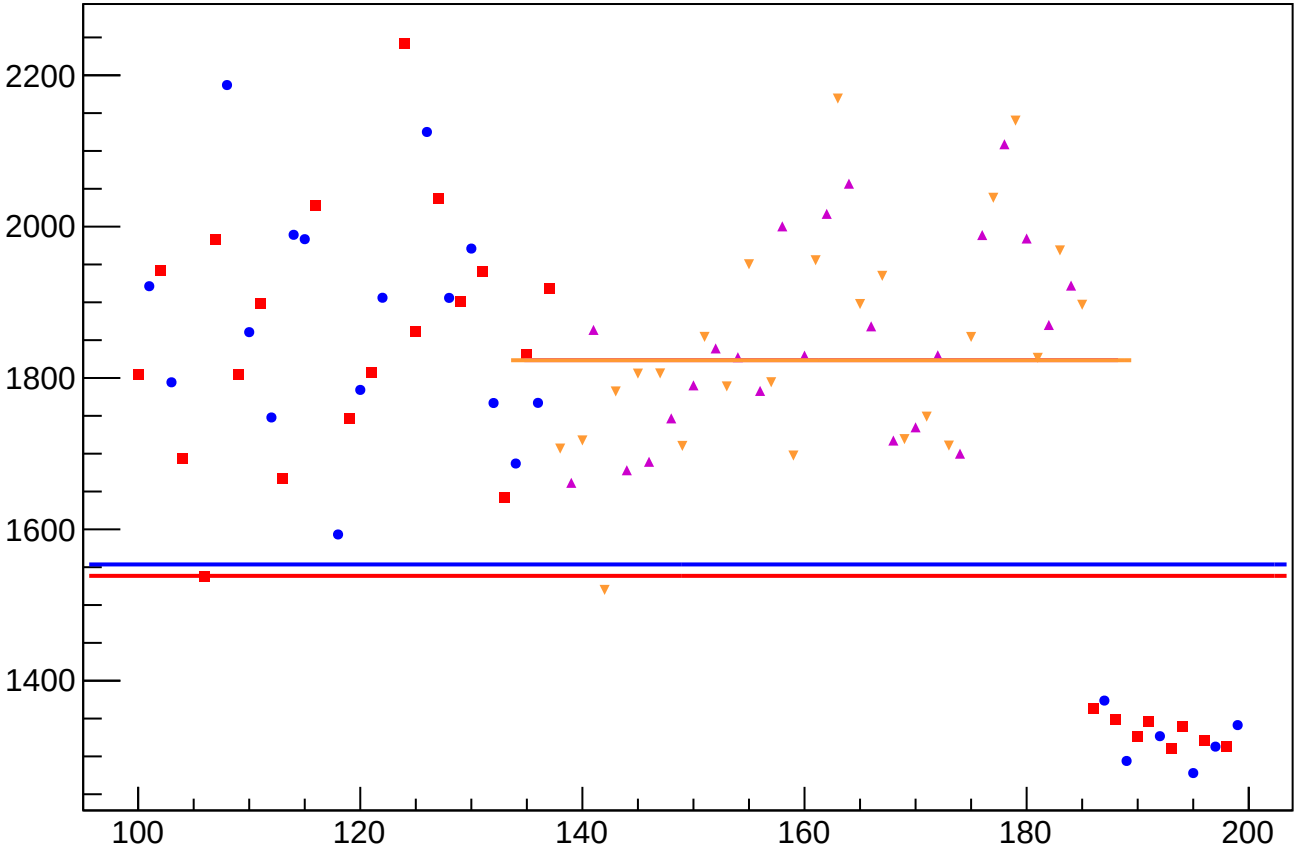
Right: 4.636+/-0.318 χ^2/NDF: 786.3/48

In: 5.867+/-0.315 χ^2/NDF:854.7/44

Out: 8.535+/-0.301 χ^2/NDF:1086.1/51

All: 7.262+/-0.218 χ^2/NDF: 1978.4/96

diff_bpm0i01aY_rms vs Slug, Sign Corrected



Right In: 1553.641+/-0.329 χ^2/NDF: 704946.2/21

Left Out: 1823.452+/-0.294 χ^2/NDF:211274.0/24

Right Out: 1538.549+/-0.308 χ^2/NDF: 696093.6/26

Left In: 1823.627+/-0.303 χ^2/NDF:163768.2/22

Left: 1823.537+/-0.211 χ^2/NDF: 375042.4/47

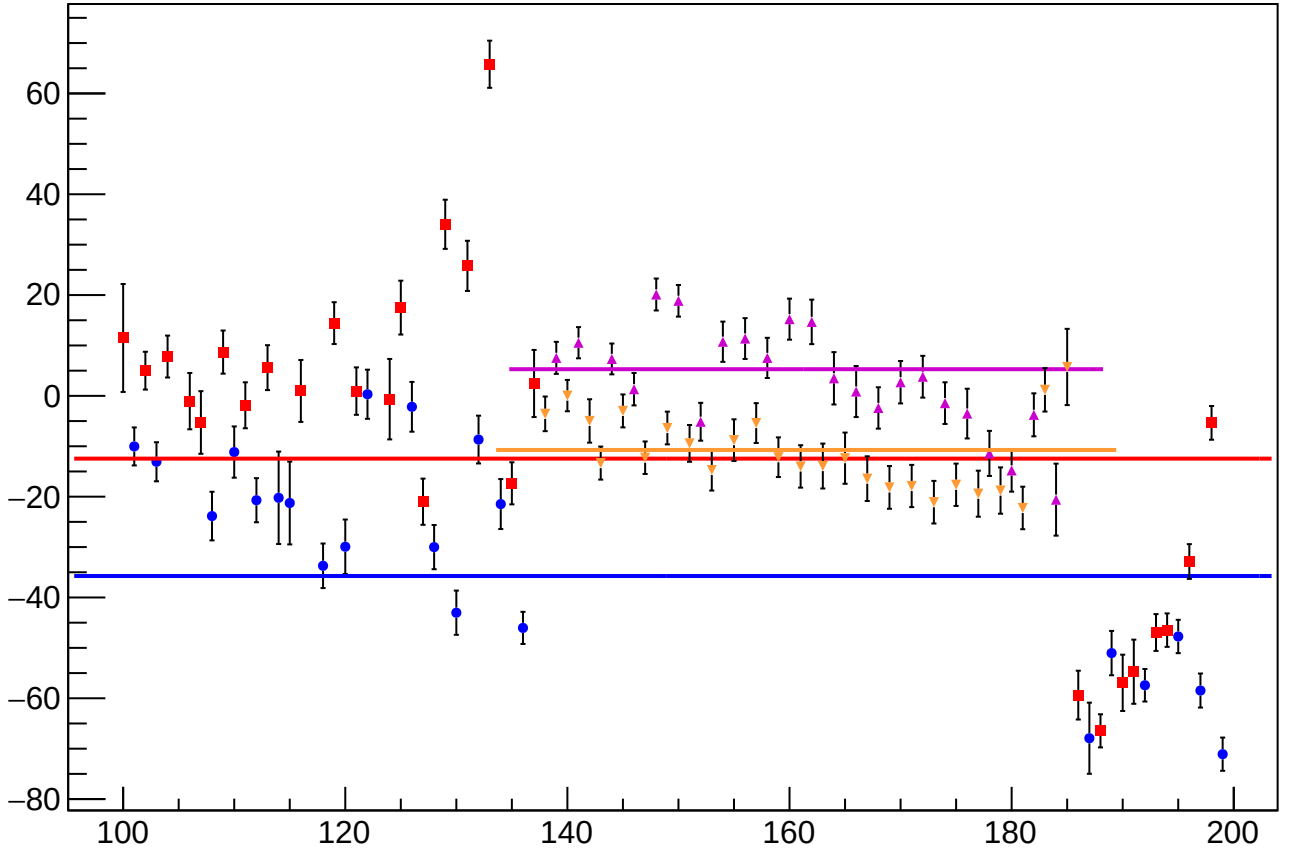
Right: 1545.606+/-0.225 χ^2/NDF: 1402160.9/48

In: 1699.893+/-0.223 χ^2/NDF:1233750.8/44

Out: 1687.762+/-0.213 χ^2/NDF:1354811.5/51

All: 1693.551+/-0.154 χ^2/NDF: 2590114.2/96

diff_bpm0l01X_mean vs Slug, Sign Corrected



Right In: -35.741+/-0.916 χ^2/NDF: 537.4/21

Left Out: -10.732+/-0.794 χ^2/NDF:73.8/24

Right Out: -12.453+/-0.872 χ^2/NDF: 1335.6/26

Left In: 5.291+/-0.814 χ^2/NDF:133.6/22

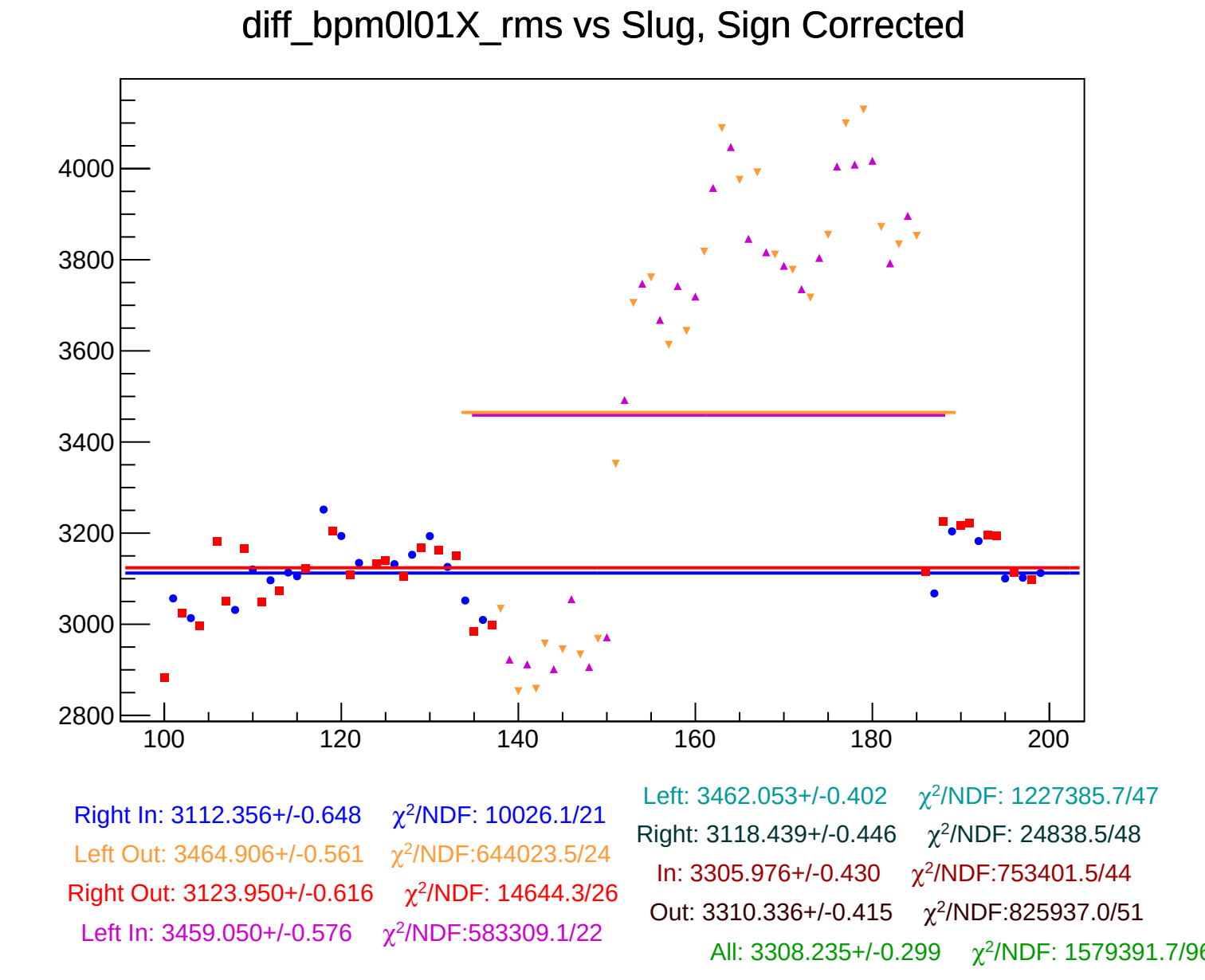
Left: -2.925+/-0.568 χ^2/NDF: 405.9/47

Right: -23.522+/-0.631 χ^2/NDF: 2212.2/48

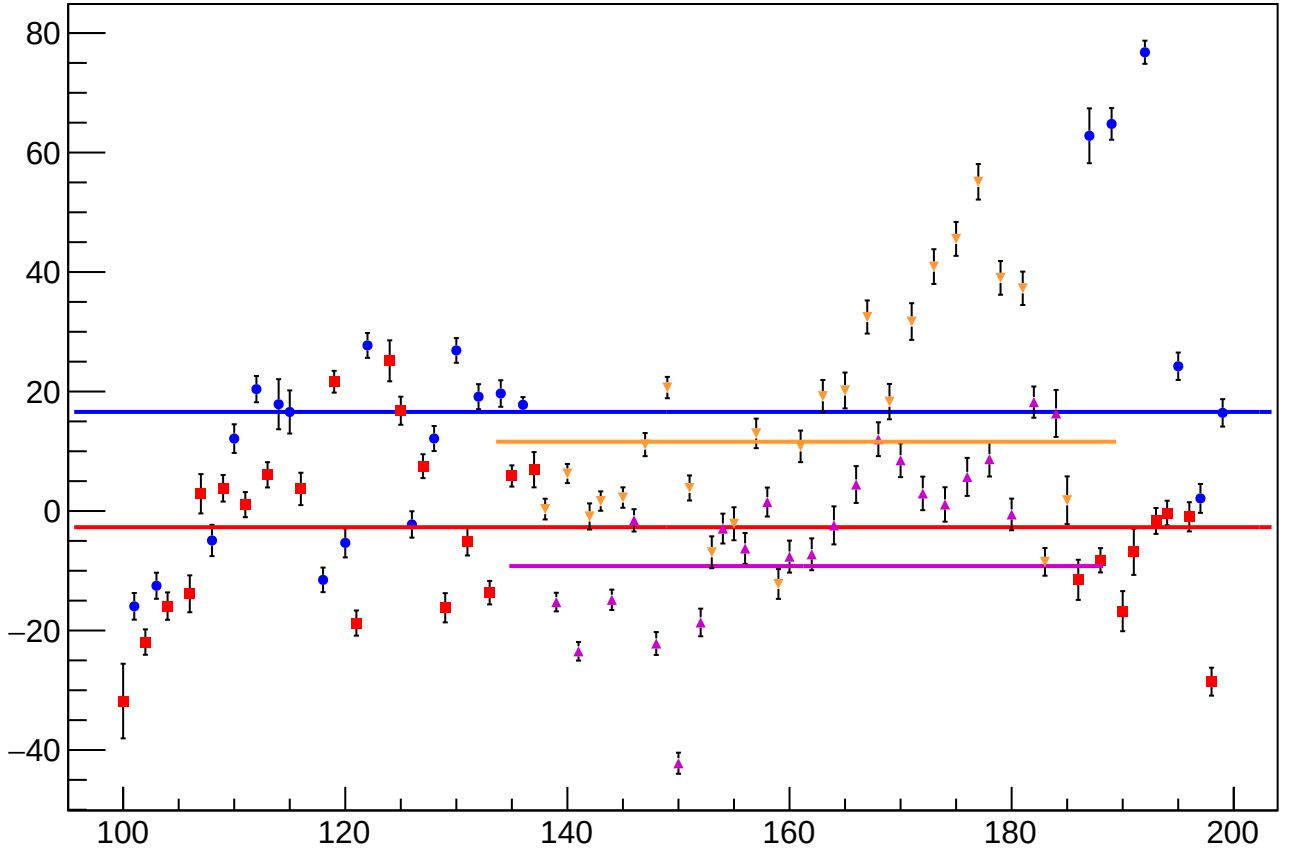
In: -12.826+/-0.609 χ^2/NDF:1792.0/44

Out: -11.512+/-0.587 χ^2/NDF:1411.5/51

All: -12.145+/-0.422 χ^2/NDF: 3205.9/96


diff_bpm0l01X_rms vs Slug, Sign Corrected
4000
3800
3600
3400
3200
3000
2800
100
120
140
160
180
200
Right In: 3112.356+/-0.648 χ²/NDF: 10026.1/21
Left Out: 3464.906+/-0.561 χ²/NDF:644023.5/24
Right Out: 3123.950+/-0.616 χ²/NDF: 14644.3/26
Left In: 3459.050+/-0.576 χ²/NDF:583309.1/22
Left: 3462.053+/-0.402 χ²/NDF: 1227385.7/47
Right: 3118.439+/-0.446 χ²/NDF: 24838.5/48
In: 3305.976+/-0.430 χ²/NDF:753401.5/44
Out: 3310.336+/-0.415 χ²/NDF:825937.0/51
All: 3308.235+/-0.299 χ²/NDF: 1579391.7/96

diff_bpm0l01Y_mean vs Slug, Sign Corrected



Right In: 16.587+/-0.476 χ^2/NDF: 2313.1/21

Left Out: 11.599+/-0.463 χ^2/NDF:1196.9/24

Right Out: -2.704+/-0.457 χ^2/NDF: 838.5/26

Left In: -9.213+/-0.484 χ^2/NDF:940.6/22

Left: 1.641+/-0.335 χ^2/NDF: 3102.6/47

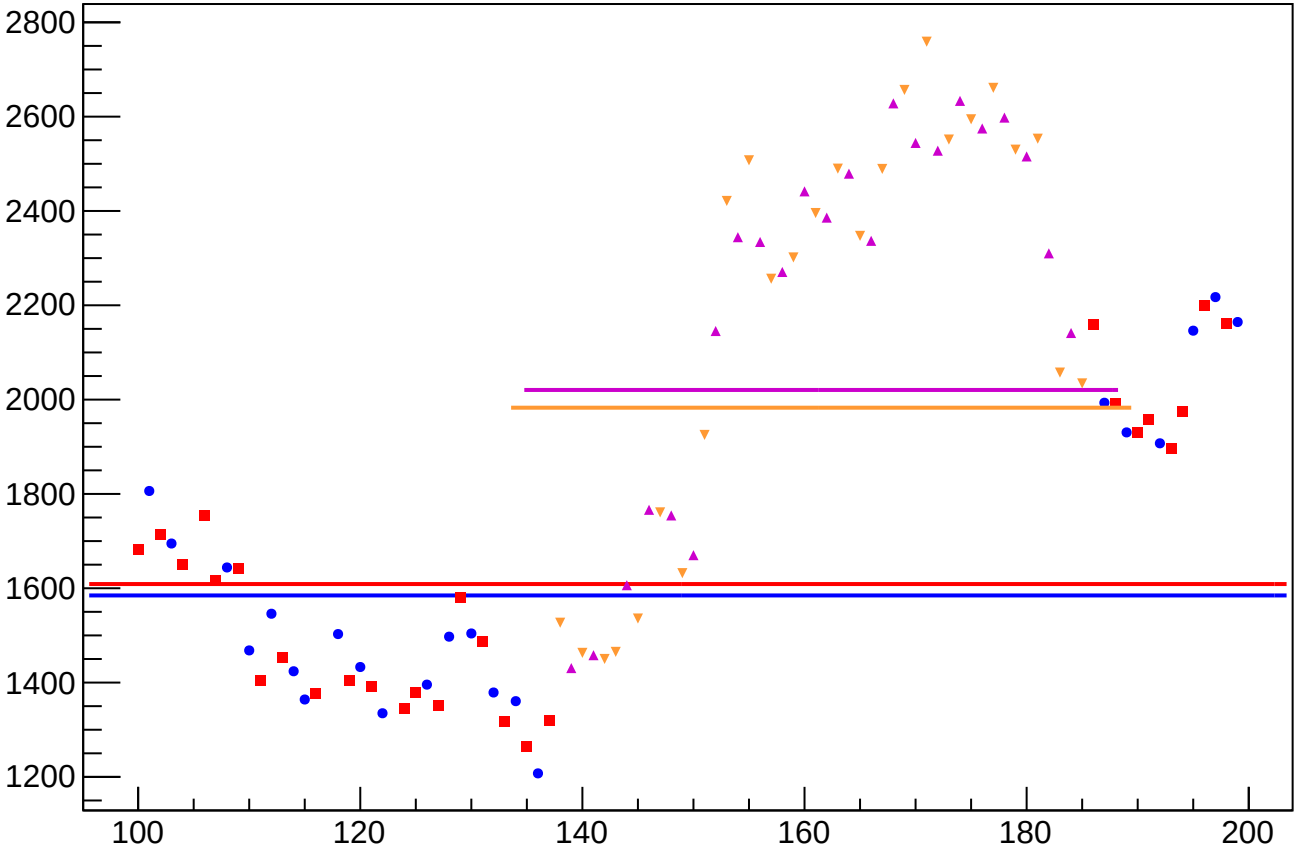
Right: 6.552+/-0.329 χ^2/NDF: 4007.3/48

In: 3.907+/-0.339 χ^2/NDF:4699.8/44

Out: 4.345+/-0.325 χ^2/NDF:2518.6/51

All: 4.135+/-0.235 χ^2/NDF: 7219.3/96

diff_bpm0l01Y_rms vs Slug, Sign Corrected



Right In: 1584.759+/-0.336 χ^2/NDF: 804945.5/21

Left Out: 1982.871+/-0.328 χ^2/NDF:1977669.4/24

Right Out: 1608.928+/-0.323 χ^2/NDF: 797281.4/26

Left In: 2020.468+/-0.342 χ^2/NDF:1614691.2/22

Left: 2000.860+/-0.237 χ^2/NDF: 3598659.4/47

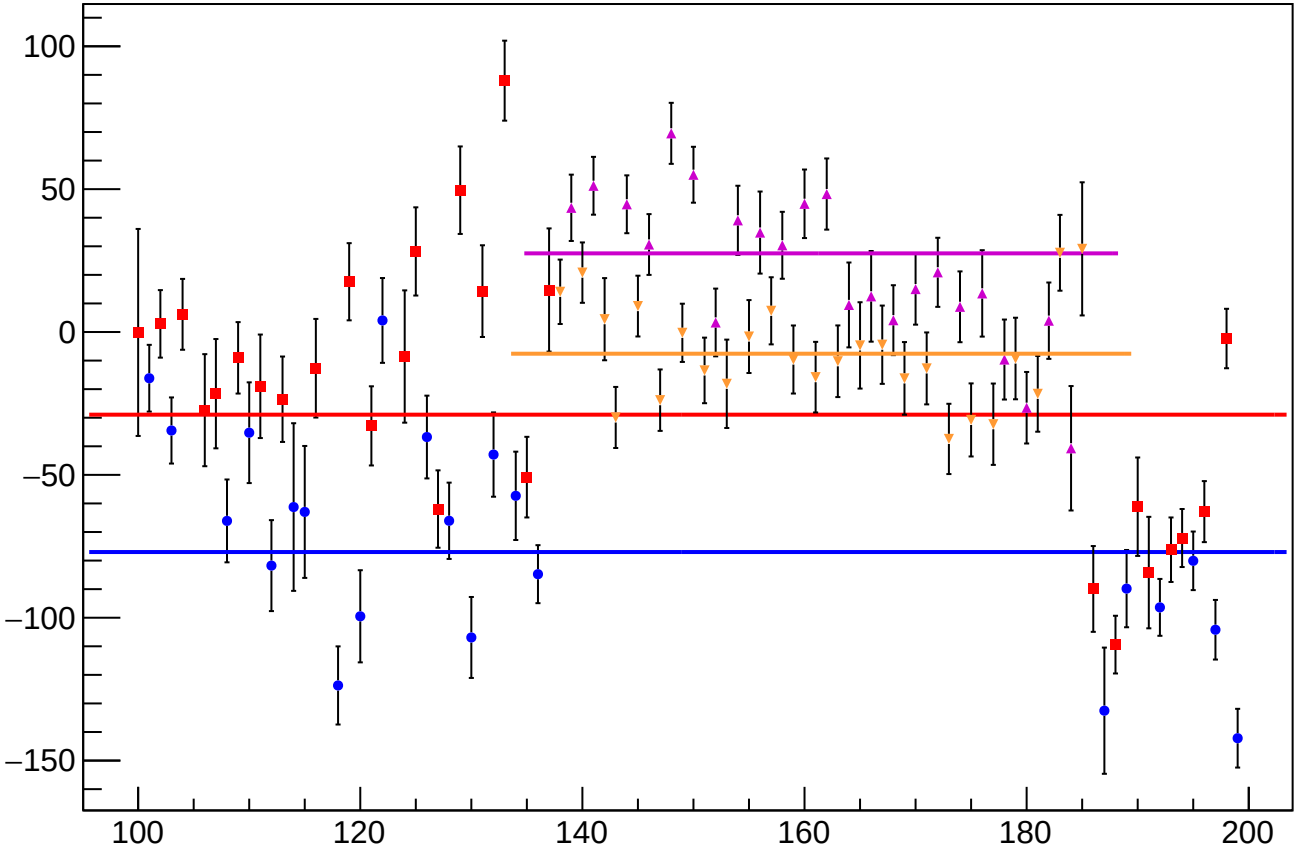
Right: 1597.331+/-0.233 χ^2/NDF: 1604913.2/48

In: 1798.897+/-0.240 χ^2/NDF:3244515.4/44

Out: 1793.220+/-0.230 χ^2/NDF:3435414.2/51

All: 1795.940+/-0.166 χ^2/NDF: 6680221.4/96

diff_bpm0l02X_mean vs Slug, Sign Corrected



Right In: -77.008+/-2.850 χ^2/NDF: 169.4/21

Left Out: -7.594+/-2.495 χ^2/NDF:47.9/24

Right Out: -28.930+/-2.717 χ^2/NDF: 305.9/26

Left In: 27.528+/-2.556 χ^2/NDF:93.0/22

Left: 9.540+/-1.786 χ^2/NDF: 237.6/47

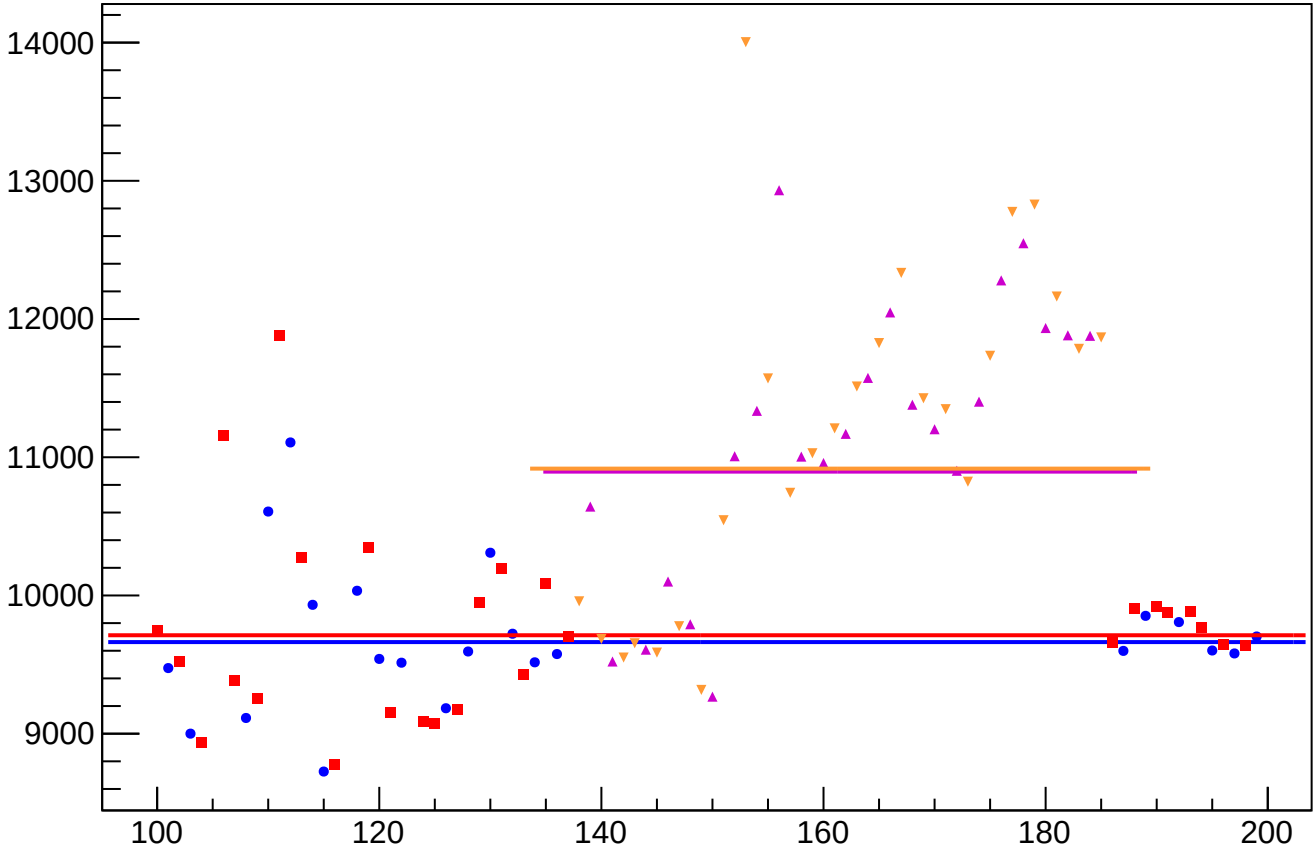
Right: -51.821+/-1.967 χ^2/NDF: 624.4/48

In: -19.079+/-1.903 χ^2/NDF:1007.9/44

Out: -17.354+/-1.838 χ^2/NDF:387.2/51

All: -18.187+/-1.322 χ^2/NDF: 1395.6/96

diff_bpm0l02X_rms vs Slug, Sign Corrected



Right In: 9662.733+/-2.015 χ^2/NDF: 45212.8/21

Left Out: 10917.711+/-1.764 χ^2/NDF:425841.1/24

Right Out: 9712.157+/-1.921 χ^2/NDF: 82076.6/26

Left In: 10895.992+/-1.808 χ^2/NDF:298059.2/22

Left: 10907.115+/-1.263 χ^2/NDF: 723974.2/47

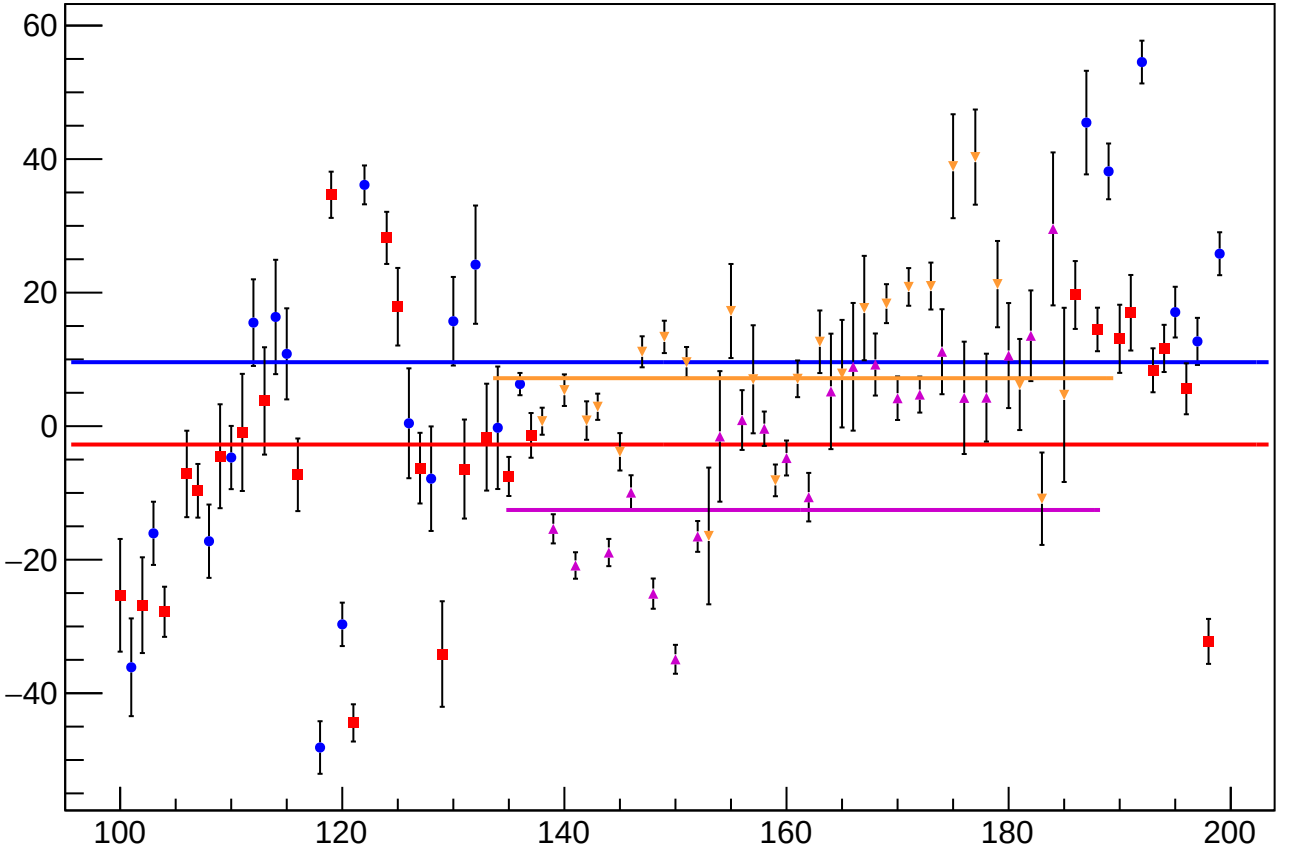
Right: 9688.625+/-1.391 χ^2/NDF: 127604.5/48

In: 10346.148+/-1.346 χ^2/NDF:550782.6/44

Out: 10366.209+/-1.299 χ^2/NDF:721520.8/51

All: 10356.529+/-0.935 χ^2/NDF: 1272418.4/9

diff_bpm0l02Y_mean vs Slug, Sign Corrected



Right In: 9.583+/-0.866 χ^2/NDF: 856.8/21

Left Out: 7.185+/-0.654 χ^2/NDF:201.7/24

Right Out: -2.750+/-0.845 χ^2/NDF: 681.4/26

Left In: -12.553+/-0.661 χ^2/NDF:372.1/22

Left: -2.580+/-0.465 χ^2/NDF: 1025.0/47

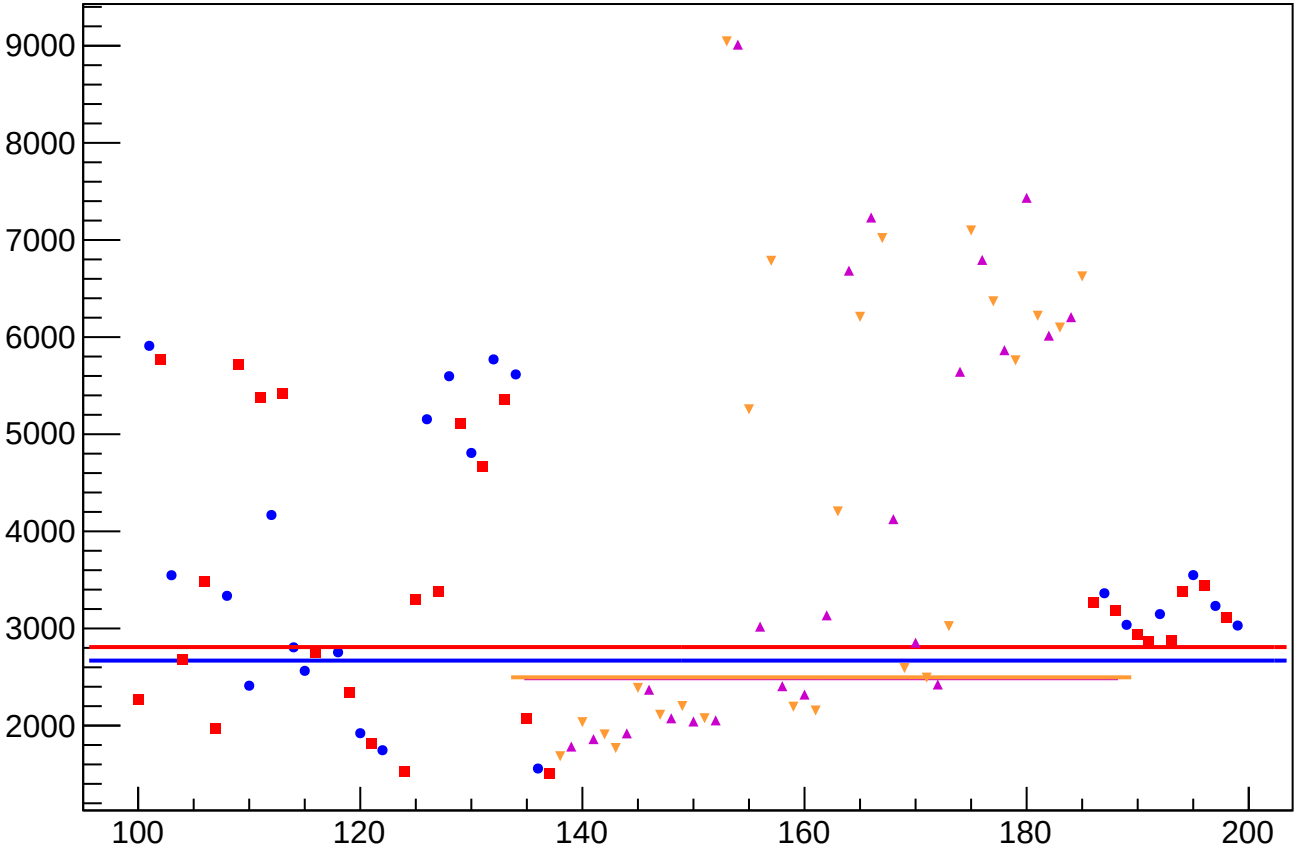
Right: 3.268+/-0.605 χ^2/NDF: 1642.0/48

In: -4.412+/-0.525 χ^2/NDF:1641.9/44

Out: 3.468+/-0.517 χ^2/NDF:969.6/51

All: -0.411+/-0.368 χ^2/NDF: 2725.8/96

diff_bpm0l02Y_rms vs Slug, Sign Corrected



Right In: 2669.111+/-0.612 χ^2/NDF: 3181562.8/21

Left Out: 2496.801+/-0.462 χ^2/NDF:7205827.8/24

Right Out: 2808.407+/-0.598 χ^2/NDF: 2761253.4/26

Left In: 2487.721+/-0.467 χ^2/NDF:6103466.5/22

Left: 2492.309+/-0.329 χ^2/NDF: 13309485.2/47

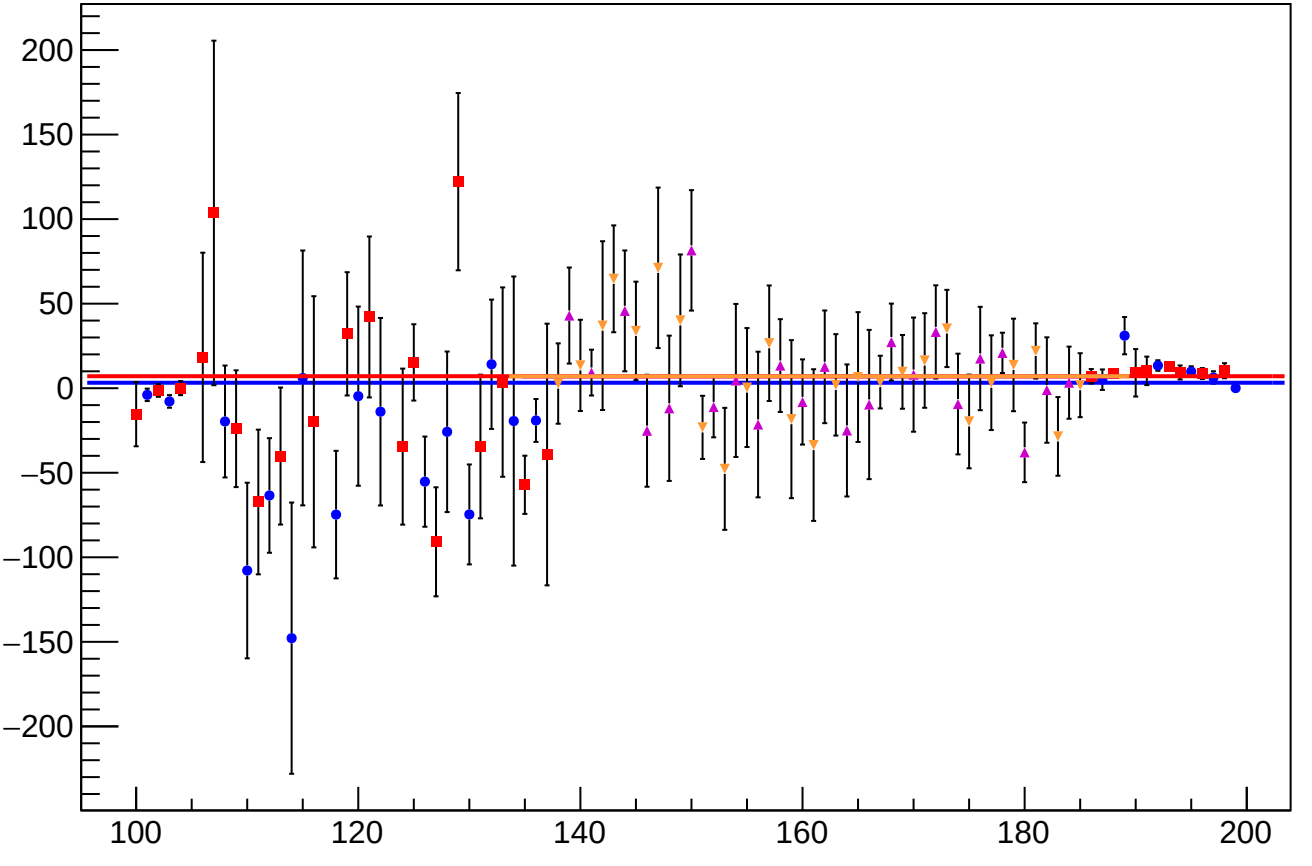
Right: 2740.443+/-0.428 χ^2/NDF: 5969308.0/48

In: 2554.425+/-0.371 χ^2/NDF:9340493.3/44

Out: 2613.378+/-0.366 χ^2/NDF:10137138.1/51

All: 2584.361+/-0.261 χ^2/NDF: 19490426.6/9

diff_bpm0l03X_mean vs Slug, Sign Corrected



Right In: 3.230+/-1.304 χ^2/NDF: 68.2/21

Left Out: 7.059+/-5.227 χ^2/NDF:19.6/24

Right Out: 7.086+/-1.225 χ^2/NDF: 52.6/26

Left In: 6.944+/-5.090 χ^2/NDF:21.1/22

Left: 7.000+/-3.647 χ^2/NDF: 40.7/47

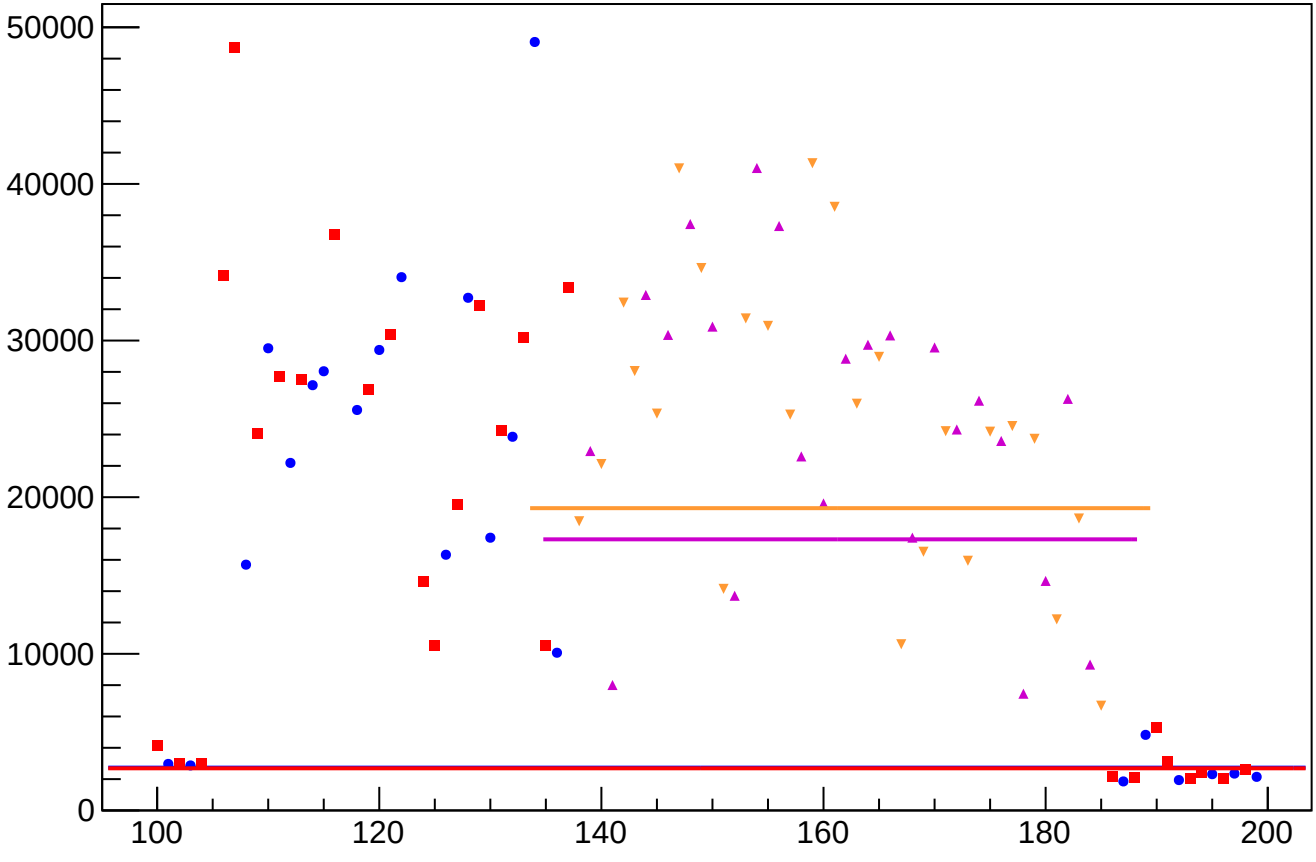
Right: 5.279+/-0.893 χ^2/NDF: 125.4/48

In: 3.459+/-1.263 χ^2/NDF:89.8/44

Out: 7.085+/-1.193 χ^2/NDF:72.1/51

All: 5.376+/-0.867 χ^2/NDF: 166.3/96

diff_bpm0l03X_rms vs Slug, Sign Corrected



Right In: 2733.542+/-0.922 χ^2/NDF: 7855310.3/21

Left Out: 19299.351+/-3.696 χ^2/NDF:5037014.9/24

Right Out: 2690.839+/-0.866 χ^2/NDF: 8796201.7/26

Left In: 17309.081+/-3.600 χ^2/NDF:6719993.9/22

Left: 18277.793+/-2.579 χ^2/NDF: 11905813.9/47

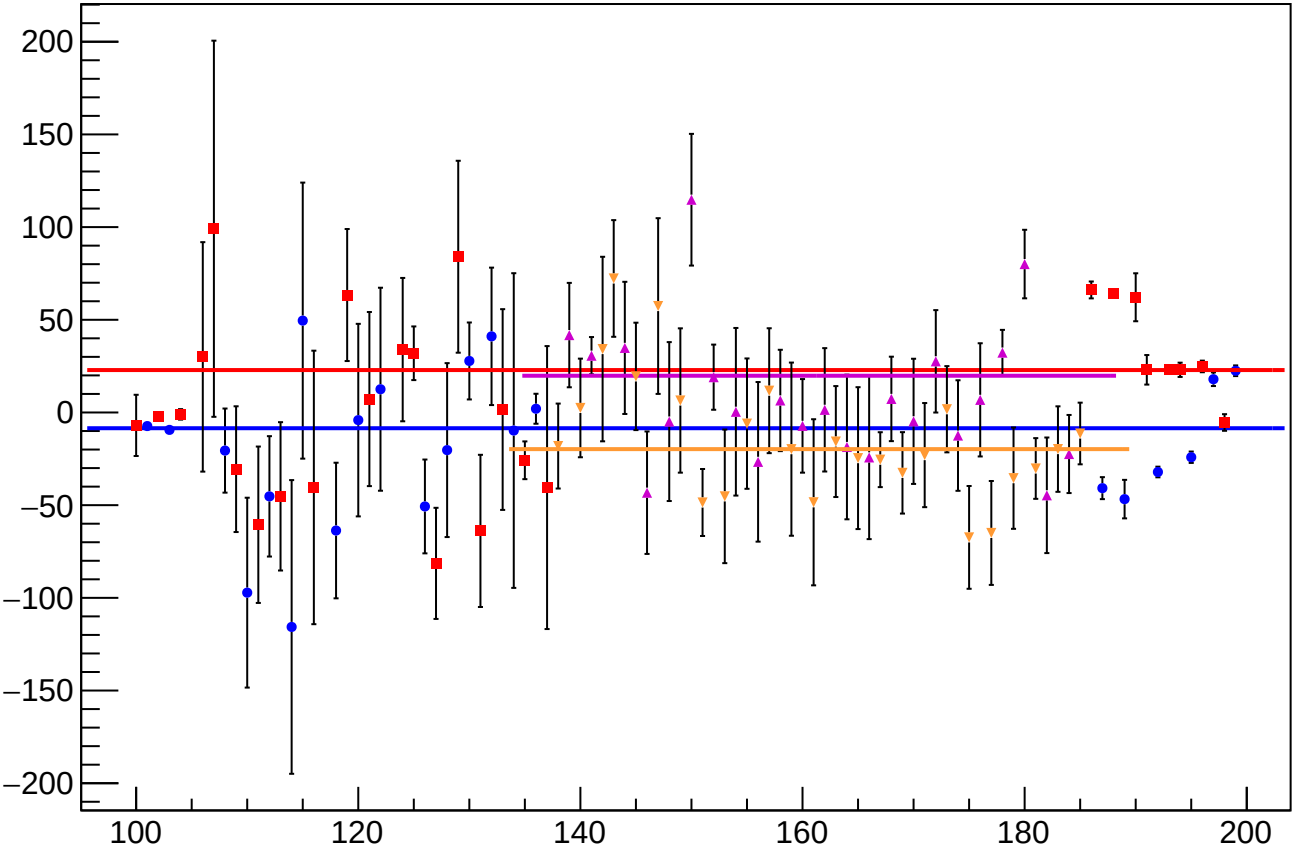
Right: 2710.859+/-0.631 χ^2/NDF: 16652651.0/48

In: 3631.336+/-0.893 χ^2/NDF:29962173.1/44

Out: 3555.742+/-0.844 χ^2/NDF:32970396.9/51

All: 3591.373+/-0.613 χ^2/NDF: 62936355.4/9

diff_bpm0l03Y_mean vs Slug, Sign Corrected



Right In: -8.492+/-1.120 χ^2/NDF: 323.0/21

Left Out: -19.769+/-5.117 χ^2/NDF:27.8/24

Right Out: 22.882+/-1.064 χ^2/NDF: 627.4/26

Left In: 19.822+/-4.846 χ^2/NDF:40.3/22

Left: 1.103+/-3.518 χ^2/NDF: 99.6/47

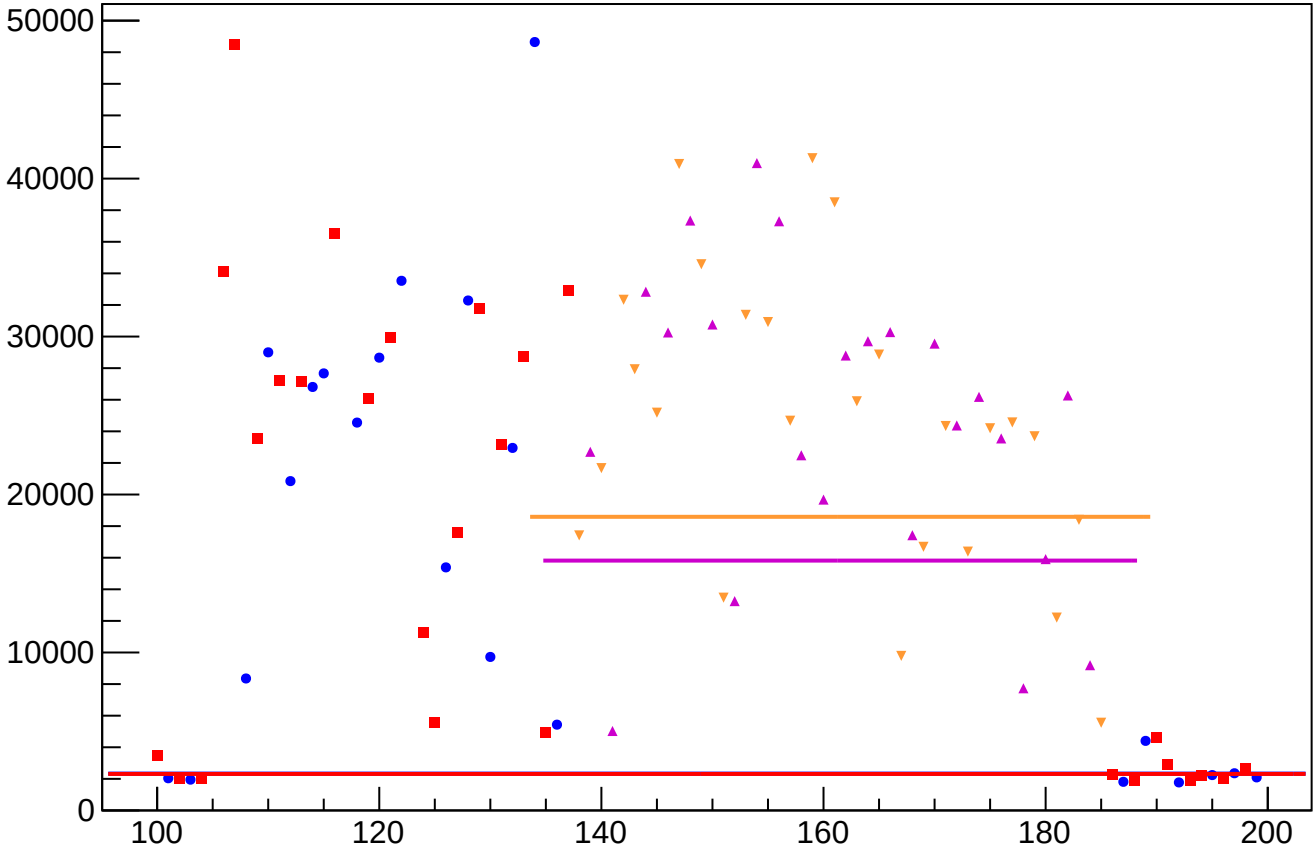
Right: 7.997+/-0.772 χ^2/NDF: 1362.6/48

In: -7.055+/-1.091 χ^2/NDF:395.7/44

Out: 21.113+/-1.042 χ^2/NDF:721.8/51

All: 7.680+/-0.754 χ^2/NDF: 1466.0/96

diff_bpm0l03Y_rms vs Slug, Sign Corrected



Right In: 2331.426+/-0.792 χ^2/NDF: 7025374.0/21

Left Out: 18589.195+/-3.618 χ^2/NDF:5698567.3/24

Right Out: 2311.772+/-0.753 χ^2/NDF: 8312424.9/26

Left In: 15817.655+/-3.426 χ^2/NDF:8406830.8/22

Left: 17128.048+/-2.488 χ^2/NDF: 14414756.2/47

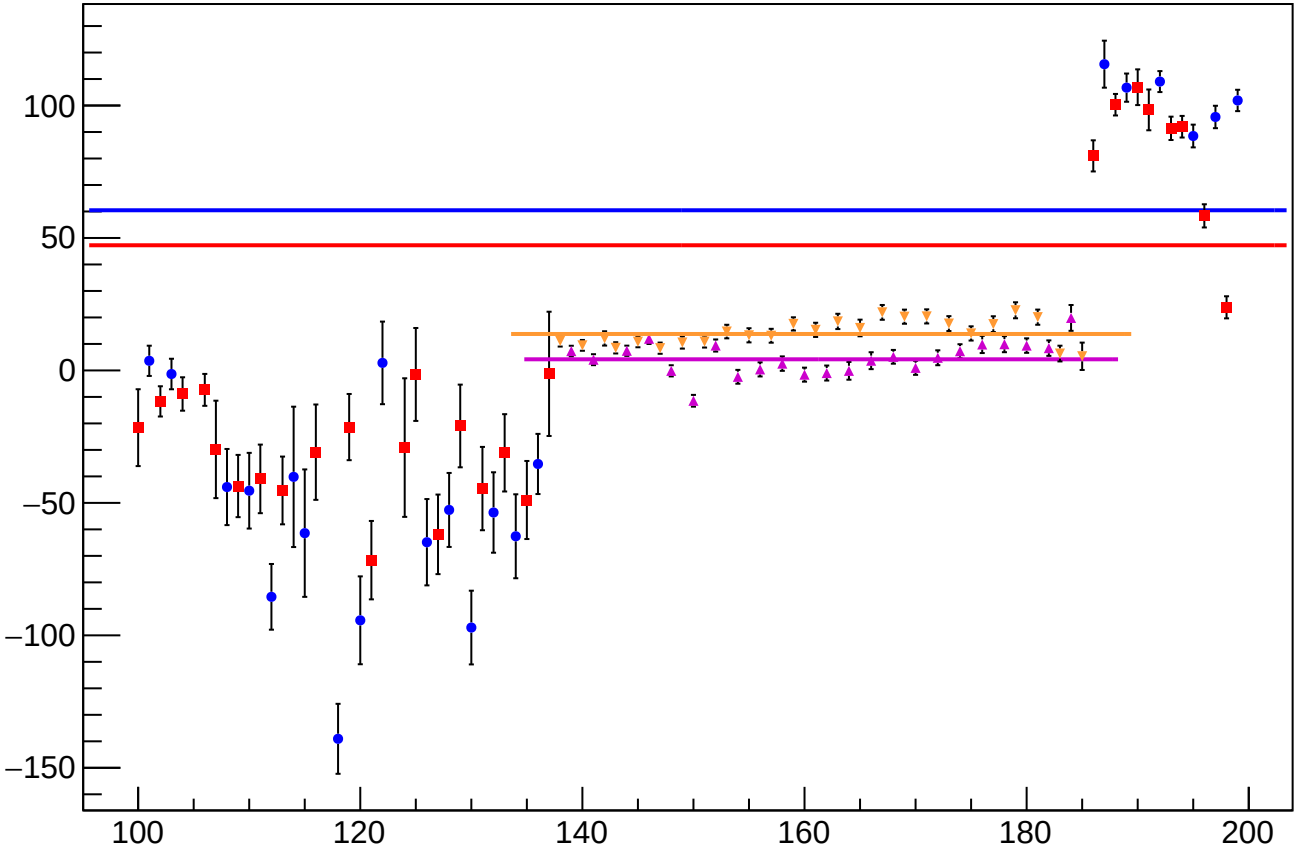
Right: 2321.097+/-0.546 χ^2/NDF: 15338122.5/48

In: 3015.683+/-0.772 χ^2/NDF:30138597.5/44

Out: 2986.944+/-0.737 χ^2/NDF:33411794.0/51

All: 3000.649+/-0.533 χ^2/NDF: 63551116.9/9

diff_bpm0l04X_mean vs Slug, Sign Corrected



Right In: 60.461+/-1.567 χ^2/NDF: 1752.6/21

Left Out: 13.761+/-0.514 χ^2/NDF:77.2/24

Right Out: 47.248+/-1.411 χ^2/NDF: 1362.5/26

Left In: 4.202+/-0.530 χ^2/NDF:123.9/22

Left: 9.129+/-0.369 χ^2/NDF: 368.8/47

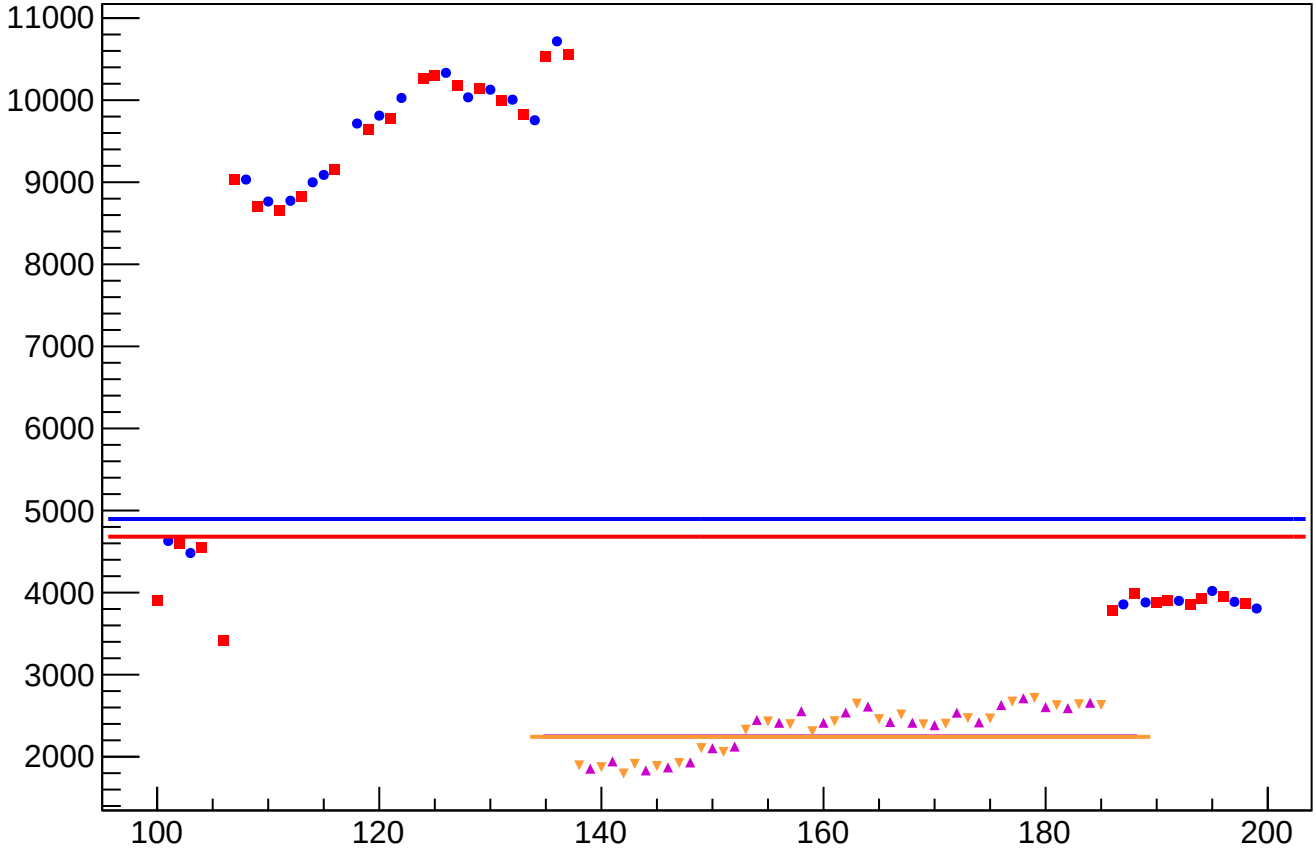
Right: 53.163+/-1.048 χ^2/NDF: 3154.4/48

In: 9.979+/-0.502 χ^2/NDF:3033.2/44

Out: 17.686+/-0.483 χ^2/NDF:1937.3/51

All: 13.982+/-0.348 χ^2/NDF: 5092.8/96

diff_bpm0l04X_rms vs Slug, Sign Corrected



Right In: 4896.684+/-1.108 χ^2/NDF: 3576097.1/21

Left Out: 2242.334+/-0.363 χ^2/NDF:657865.5/24

Right Out: 4681.285+/-0.997 χ^2/NDF: 3668382.6/26

Left In: 2248.582+/-0.375 χ^2/NDF:642255.3/22

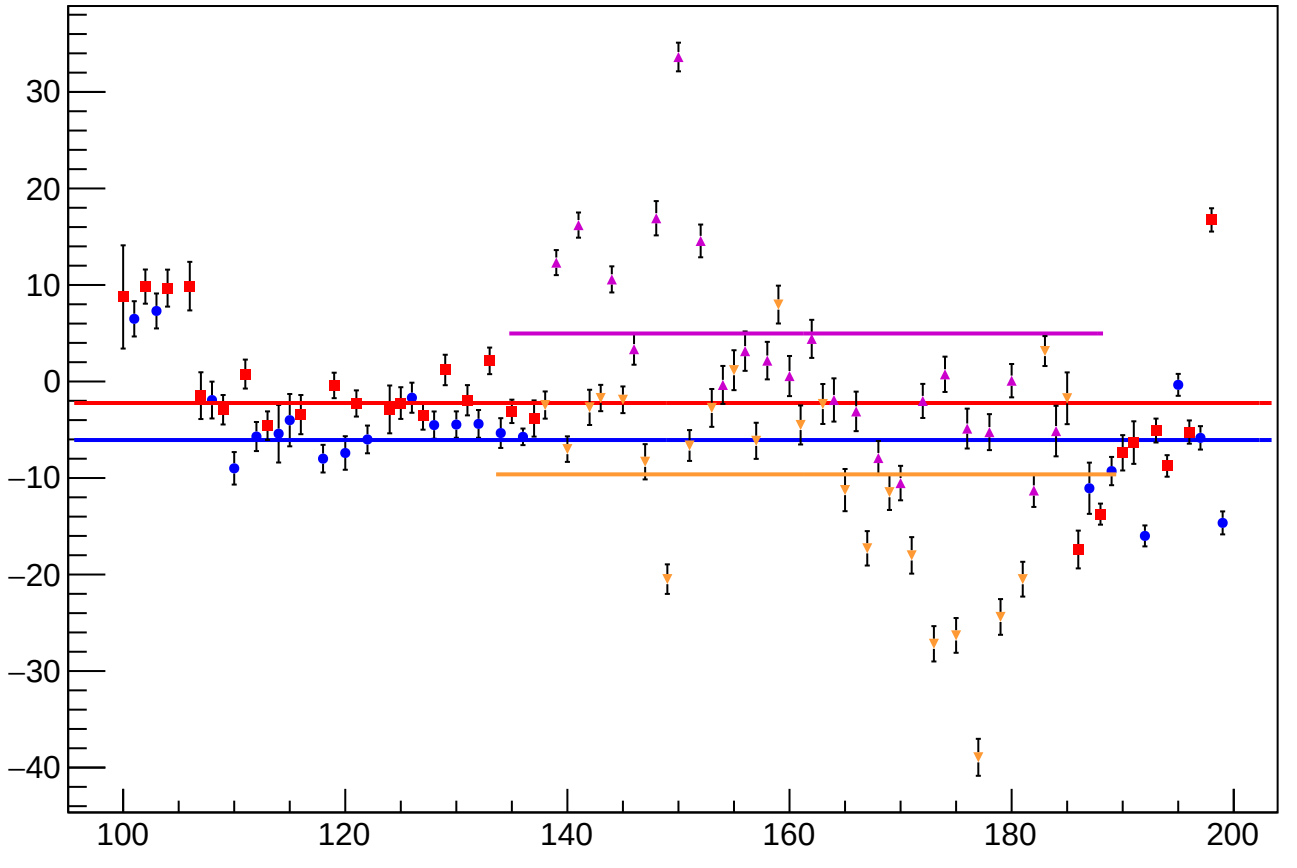
Left: 2245.362+/-0.261 χ^2/NDF: 1300264.0/47

Right: 4777.700+/-0.741 χ^2/NDF: 7265353.8/48

In: 2520.473+/-0.355 χ^2/NDF:9343423.5/44

Out: 2528.217+/-0.341 χ^2/NDF:9604458.8/51

All: 2524.496+/-0.246 χ^2/NDF: 18948129.5/9



Right In: -6.064+/-0.308 χ^2/NDF: 294.2/21

Left Out: -9.622+/-0.349 χ^2/NDF:934.3/24

Right Out: -2.228+/-0.296 χ^2/NDF: 614.1/26

Left In: 4.974+/-0.365 χ^2/NDF:929.8/22

Left: -2.641+/-0.252 χ^2/NDF: 2700.1/47

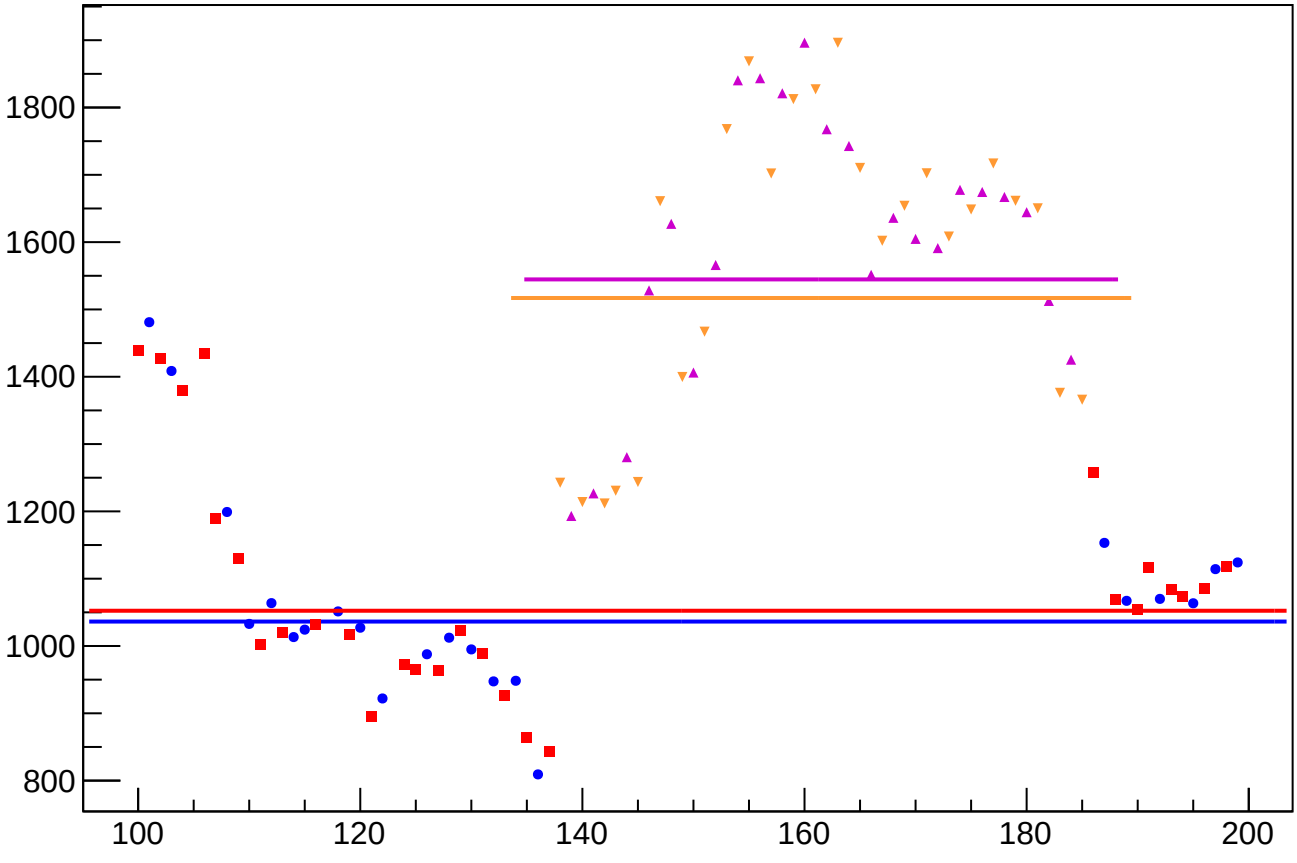
Right: -4.071+/-0.213 χ^2/NDF: 989.0/48

In: -1.470+/-0.235 χ^2/NDF:1759.1/44

Out: -5.321+/-0.226 χ^2/NDF:1809.3/51

All: -3.474+/-0.163 χ^2/NDF: 3707.9/96

diff_bpm0l04Y_rms vs Slug, Sign Corrected



Right In: 1036.303+/-0.218 χ^2/NDF: 416818.6/21

Left Out: 1517.008+/-0.247 χ^2/NDF:832983.9/24

Right Out: 1052.370+/-0.209 χ^2/NDF: 389843.7/26

Left In: 1544.620+/-0.258 χ^2/NDF:638659.4/22

Left: 1530.214+/-0.178 χ^2/NDF: 1477627.5/47

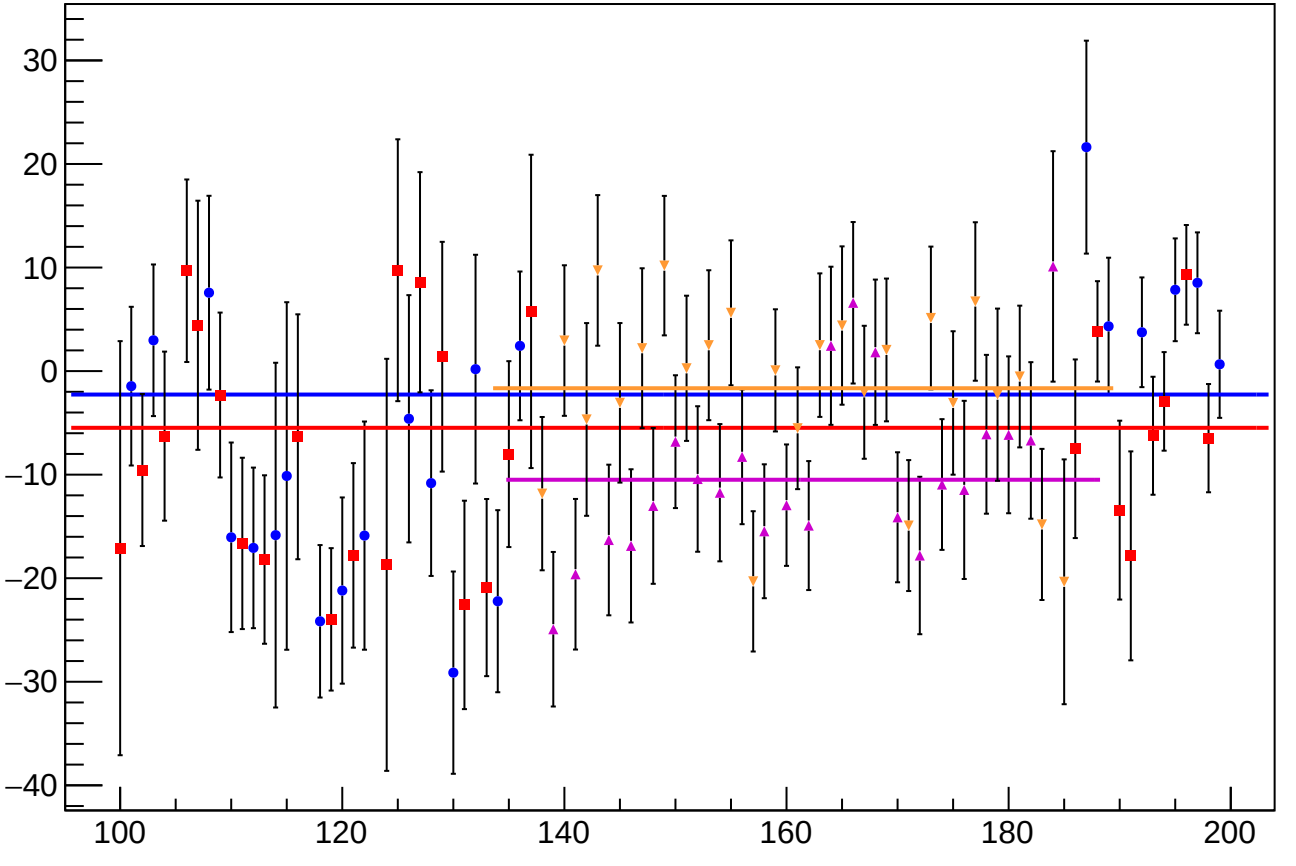
Right: 1044.652+/-0.151 χ^2/NDF: 809492.7/48

In: 1247.866+/-0.166 χ^2/NDF:3324790.4/44

Out: 1246.715+/-0.160 χ^2/NDF:3283797.1/51

All: 1247.267+/-0.115 χ^2/NDF: 6608612.5/96

diff_bpm0l05X_mean vs Slug, Sign Corrected



Right In: -2.264+/-1.621 χ^2/NDF: 54.4/21

Left Out: -1.655+/-1.426 χ^2/NDF:31.5/24

Right Out: -5.477+/-1.504 χ^2/NDF: 44.5/26

Left In: -10.492+/-1.480 χ^2/NDF:24.9/22

Left: -5.911+/-1.027 χ^2/NDF: 74.9/47

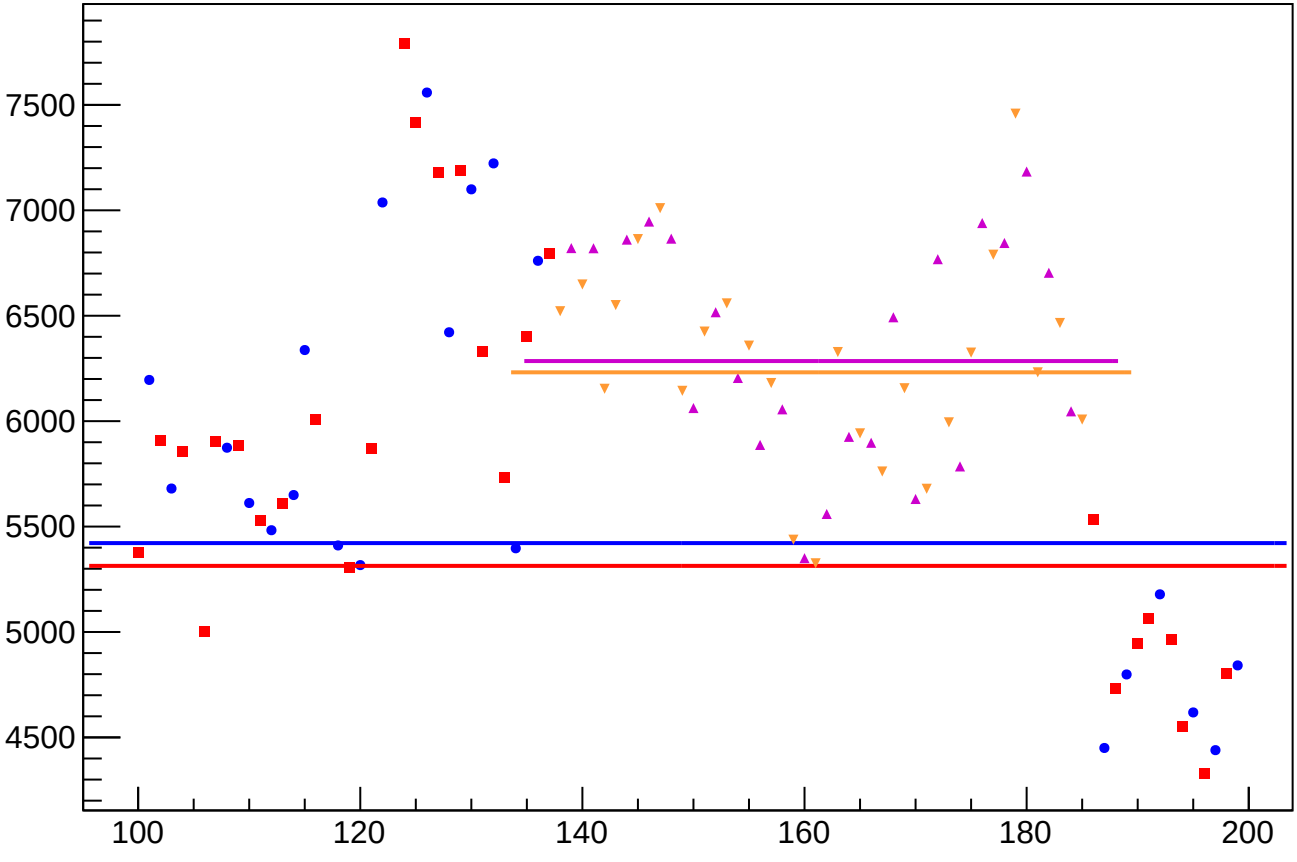
Right: -3.991+/-1.102 χ^2/NDF: 101.1/48

In: -6.753+/-1.093 χ^2/NDF:93.4/44

Out: -3.465+/-1.035 χ^2/NDF:79.4/51

All: -5.019+/-0.751 χ^2/NDF: 177.6/96

diff_bpm0l05X_rms vs Slug, Sign Corrected



Right In: 5421.632+/-1.146 χ^2/NDF: 547548.8/21

Left Out: 6231.572+/-1.009 χ^2/NDF:226959.2/24

Right Out: 5313.595+/-1.063 χ^2/NDF: 533446.6/26

Left In: 6285.058+/-1.046 χ^2/NDF:265370.2/22

Left: 6257.332+/-0.726 χ^2/NDF: 493684.0/47

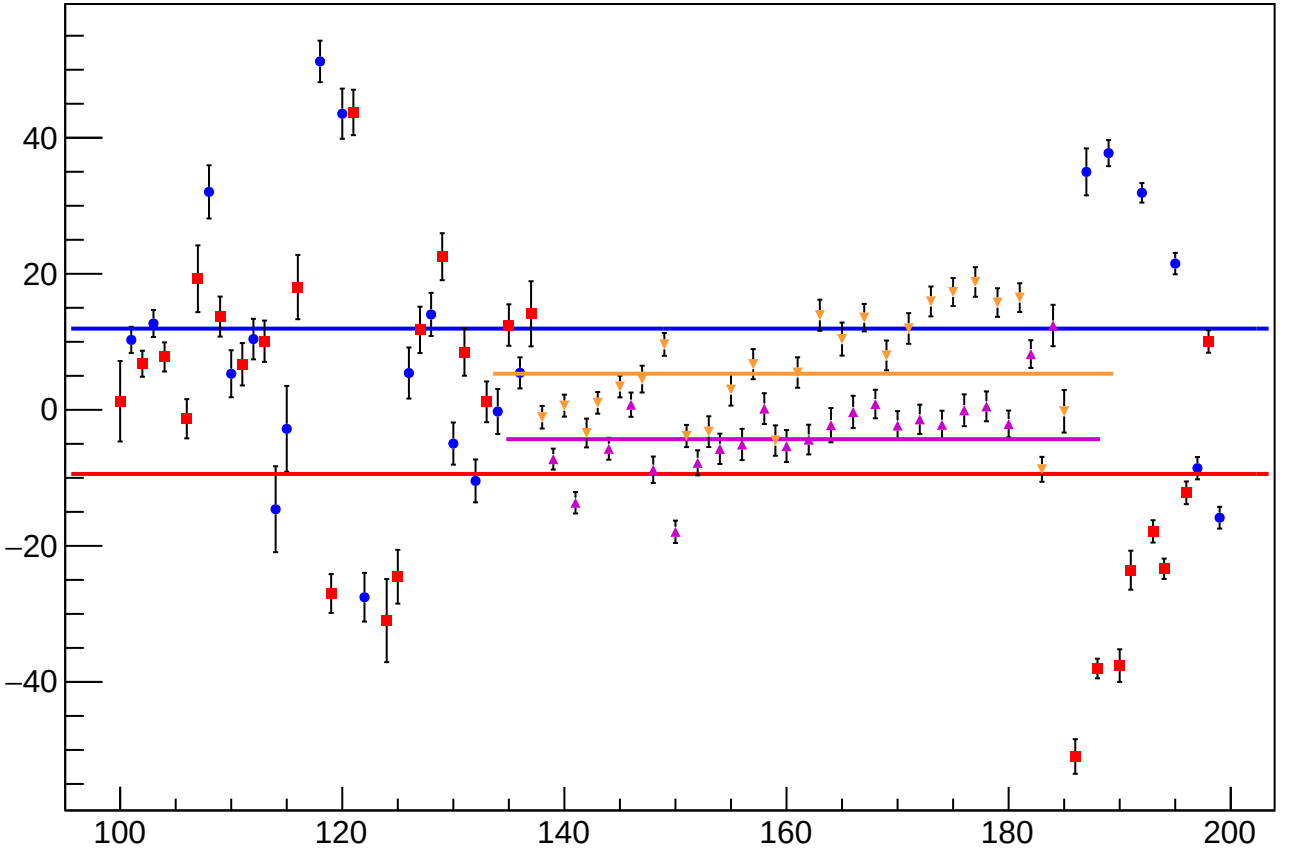
Right: 5363.550+/-0.780 χ^2/NDF: 1085769.6/48

In: 5892.688+/-0.773 χ^2/NDF:1122367.7/44

Out: 5796.796+/-0.732 χ^2/NDF:1152788.6/51

All: 5842.123+/-0.531 χ^2/NDF: 2283274.5/96

diff_bpm0l05Y_mean vs Slug, Sign Corrected



Right In: 11.941+/-0.516 χ^2/NDF: 1435.3/21

Left Out: 5.313+/-0.400 χ^2/NDF:378.1/24

Right Out: -9.422+/-0.479 χ^2/NDF: 1981.1/26

Left In: -4.310+/-0.420 χ^2/NDF:220.4/22

Left: 0.733+/-0.290 χ^2/NDF: 873.5/47

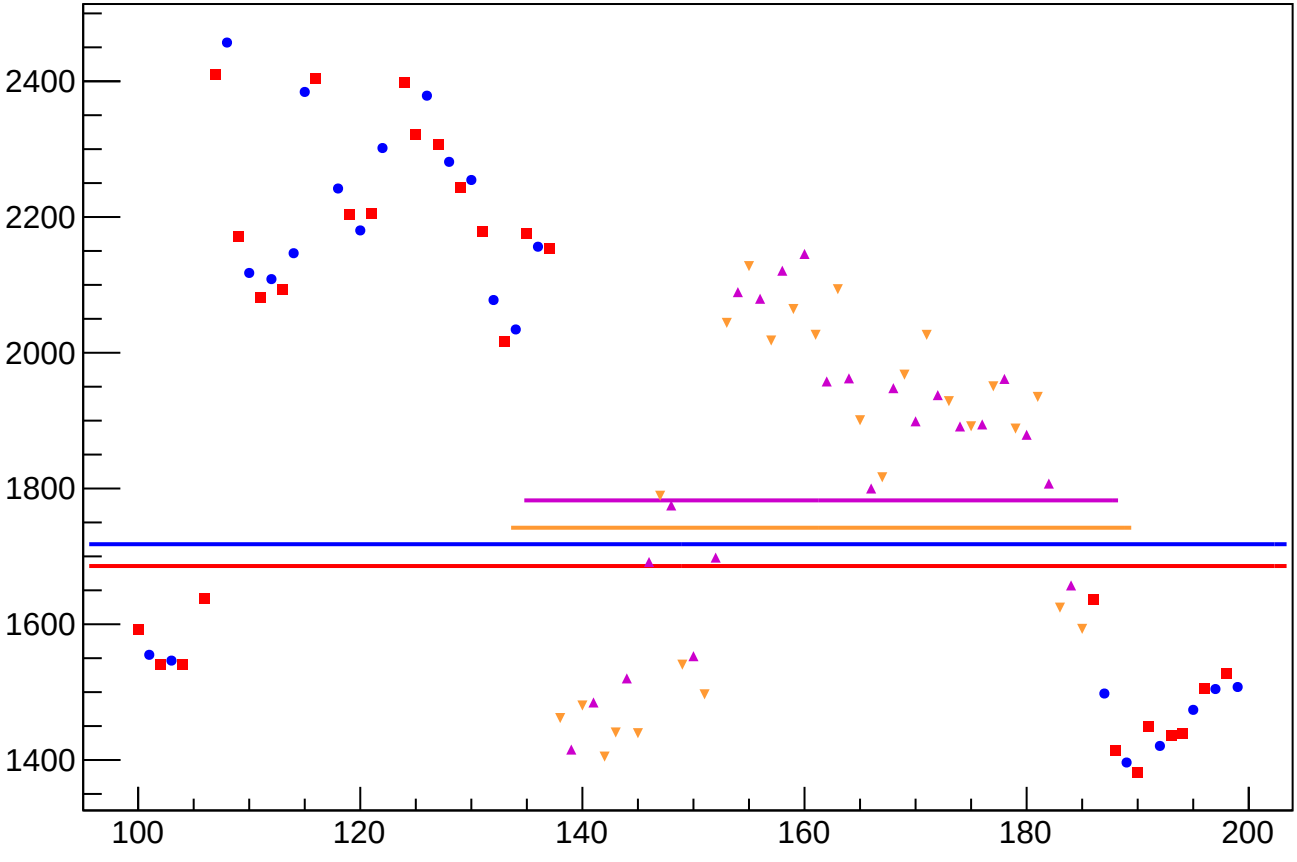
Right: 0.482+/-0.351 χ^2/NDF: 4336.9/48

In: 2.172+/-0.326 χ^2/NDF:2252.6/44

Out: -0.741+/-0.307 χ^2/NDF:2915.7/51

All: 0.631+/-0.224 χ^2/NDF: 5210.6/96

diff_bpm0l05Y_rms vs Slug, Sign Corrected



Right In: 1717.935+/-0.365 χ^2/NDF: 906386.7/21

Left Out: 1742.217+/-0.283 χ^2/NDF:767663.9/24

Right Out: 1685.786+/-0.339 χ^2/NDF: 942298.4/26

Left In: 1782.502+/-0.297 χ^2/NDF:534374.9/22

Left: 1761.391+/-0.205 χ^2/NDF: 1311677.3/47

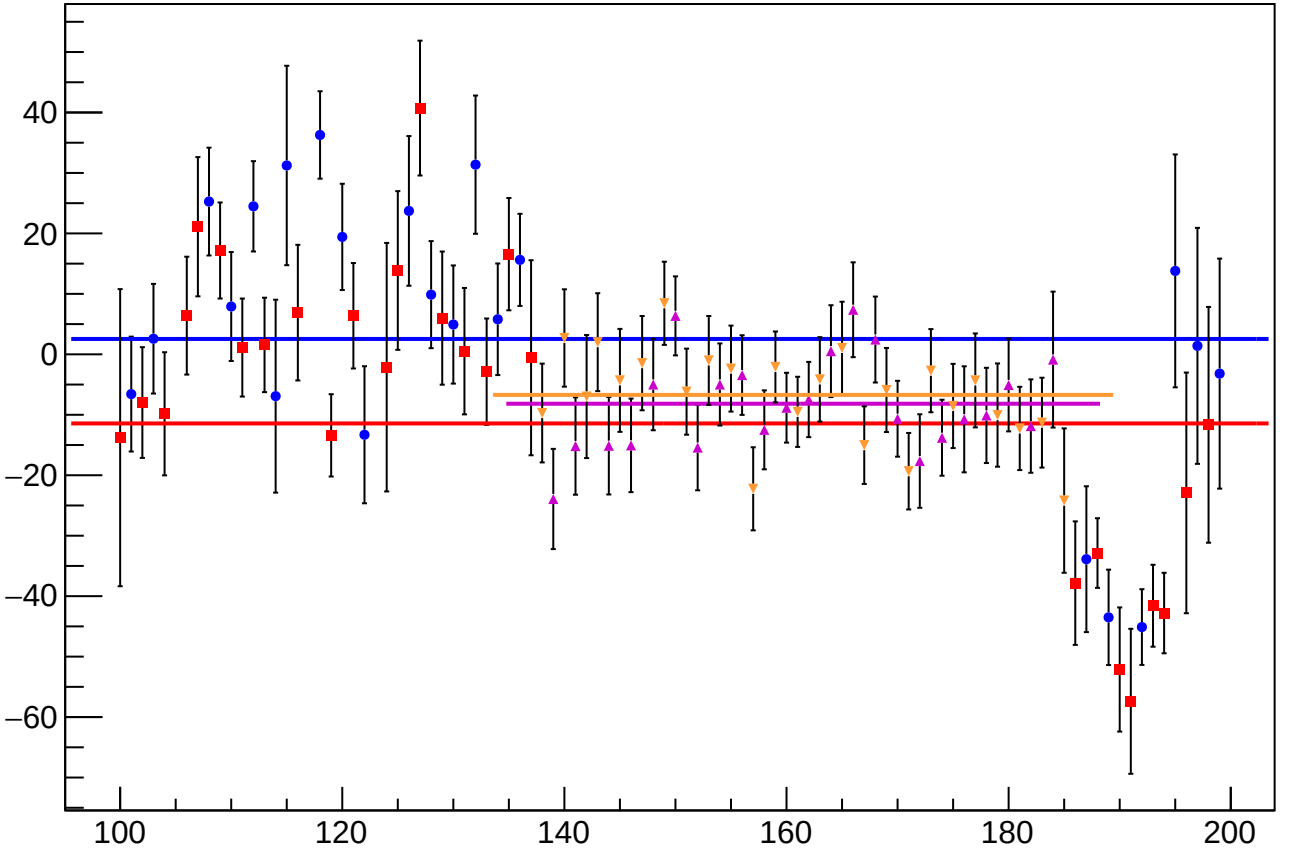
Right: 1700.691+/-0.248 χ^2/NDF: 1852854.2/48

In: 1756.747+/-0.230 χ^2/NDF:1459608.2/44

Out: 1719.034+/-0.217 χ^2/NDF:1726286.6/51

All: 1736.796+/-0.158 χ^2/NDF: 3200081.2/96

diff_bpm0l06X_mean vs Slug, Sign Corrected



Right In: 2.543+/-2.057 χ^2/NDF: 161.8/21

Left Out: -6.713+/-1.458 χ^2/NDF:25.7/24

Right Out: -11.431+/-1.829 χ^2/NDF: 169.9/26

Left In: -8.171+/-1.510 χ^2/NDF:24.2/22

Left: -7.416+/-1.049 χ^2/NDF: 50.3/47

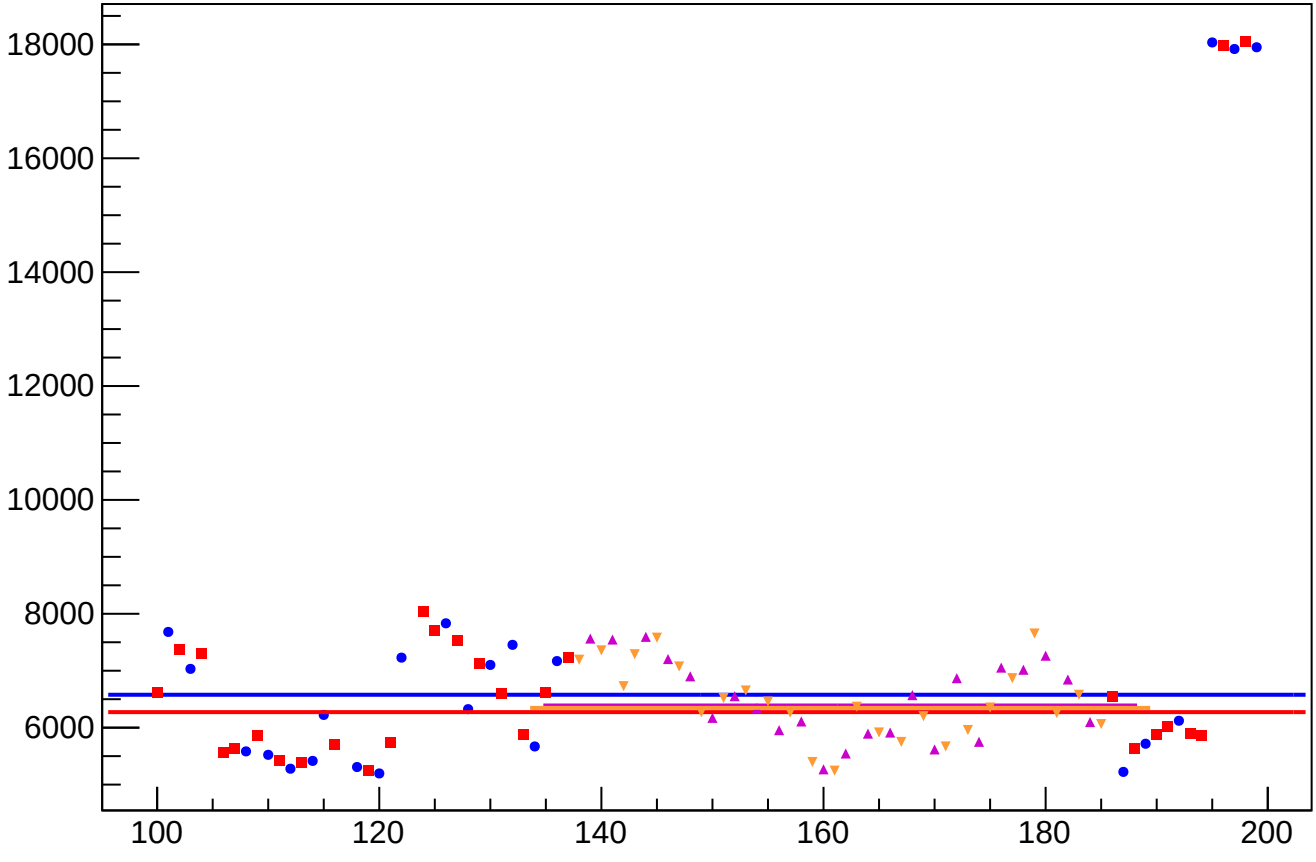
Right: -5.261+/-1.367 χ^2/NDF: 357.5/48

In: -4.418+/-1.217 χ^2/NDF:203.6/44

Out: -8.546+/-1.140 χ^2/NDF:199.7/51

All: -6.618+/-0.832 χ^2/NDF: 409.4/96

diff_bpm0l06X_rms vs Slug, Sign Corrected



Right In: 6577.959+/-1.454 χ^2/NDF: 2502344.5/21

Left Out: 6347.287+/-1.031 χ^2/NDF:386025.6/24

Right Out: 6272.894+/-1.293 χ^2/NDF: 1734231.0/26

Left In: 6389.425+/-1.068 χ^2/NDF:419756.4/22

Left: 6367.615+/-0.742 χ^2/NDF: 806588.2/47

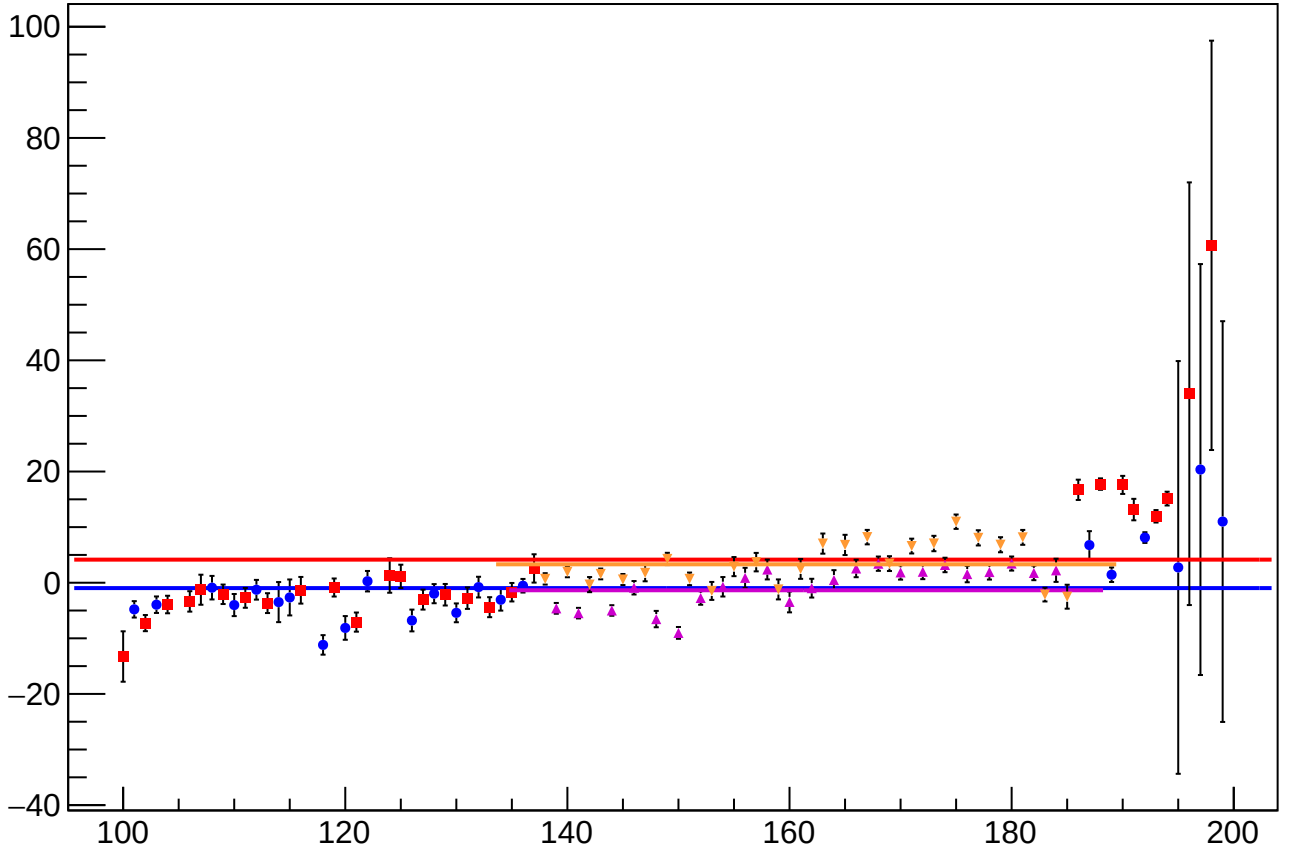
Right: 6407.582+/-0.966 χ^2/NDF: 4261153.5/48

In: 6455.461+/-0.861 χ^2/NDF:2933021.9/44

Out: 6318.378+/-0.806 χ^2/NDF:2122280.5/51

All: 6382.430+/-0.588 χ^2/NDF: 5068818.4/96

diff_bpm0l06Y_mean vs Slug, Sign Corrected



Right In: -0.965+/-0.386 χ^2/NDF: 179.4/21

Left Out: 3.311+/-0.264 χ^2/NDF:177.9/24

Right Out: 4.153+/-0.342 χ^2/NDF: 747.4/26

Left In: -1.355+/-0.277 χ^2/NDF:196.3/22

Left: 1.083+/-0.191 χ^2/NDF: 522.8/47

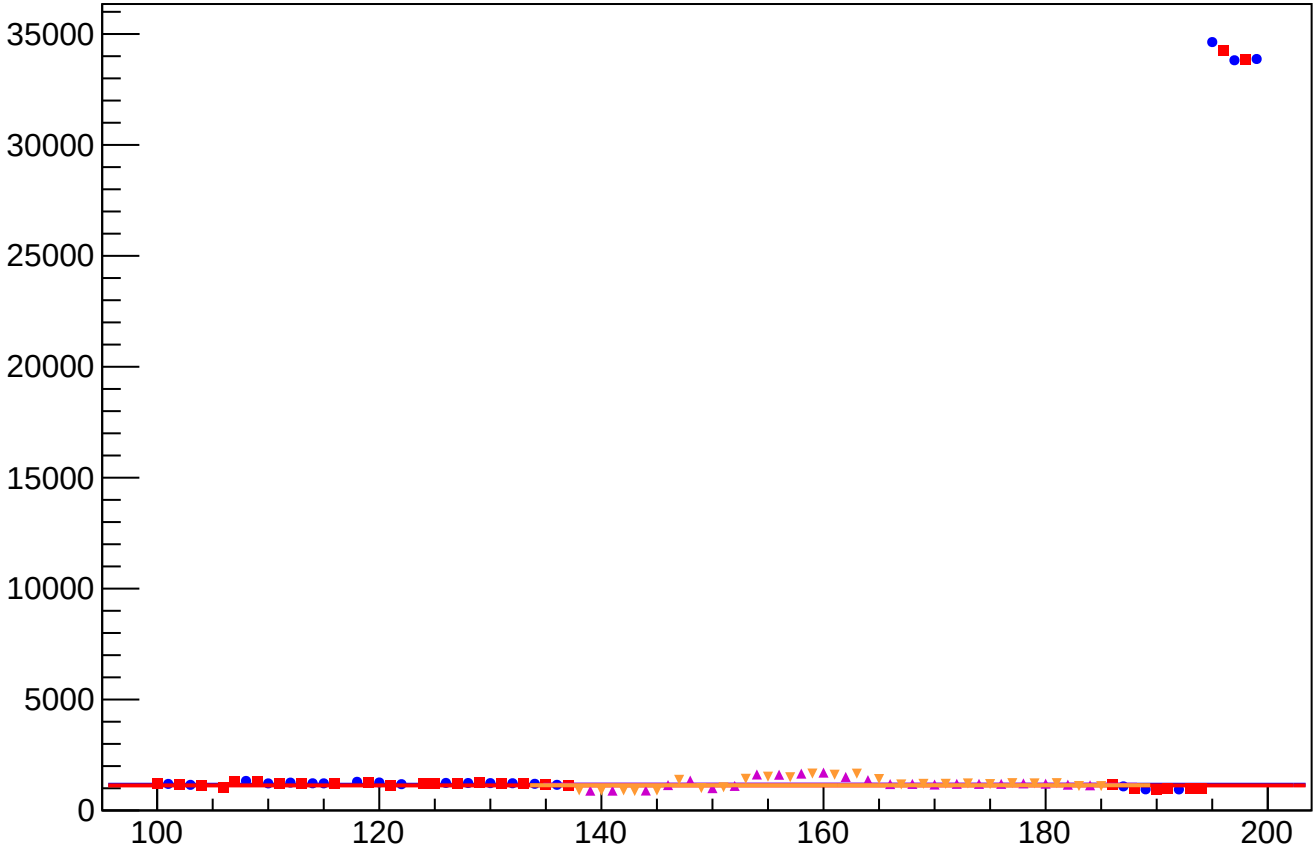
Right: 1.901+/-0.256 χ^2/NDF: 1025.2/48

In: -1.223+/-0.225 χ^2/NDF:376.3/44

Out: 3.626+/-0.209 χ^2/NDF:929.1/51

All: 1.376+/-0.153 χ^2/NDF: 1554.6/96

diff_bpm0l06Y_rms vs Slug, Sign Corrected



Right In: 1158.666+/-0.273 χ^2/NDF: 5038502.6/21

Left Out: 1137.150+/-0.187 χ^2/NDF:1469686.1/24

Right Out: 1128.748+/-0.242 χ^2/NDF: 3319283.1/26

Left In: 1159.432+/-0.196 χ^2/NDF:1259793.6/22

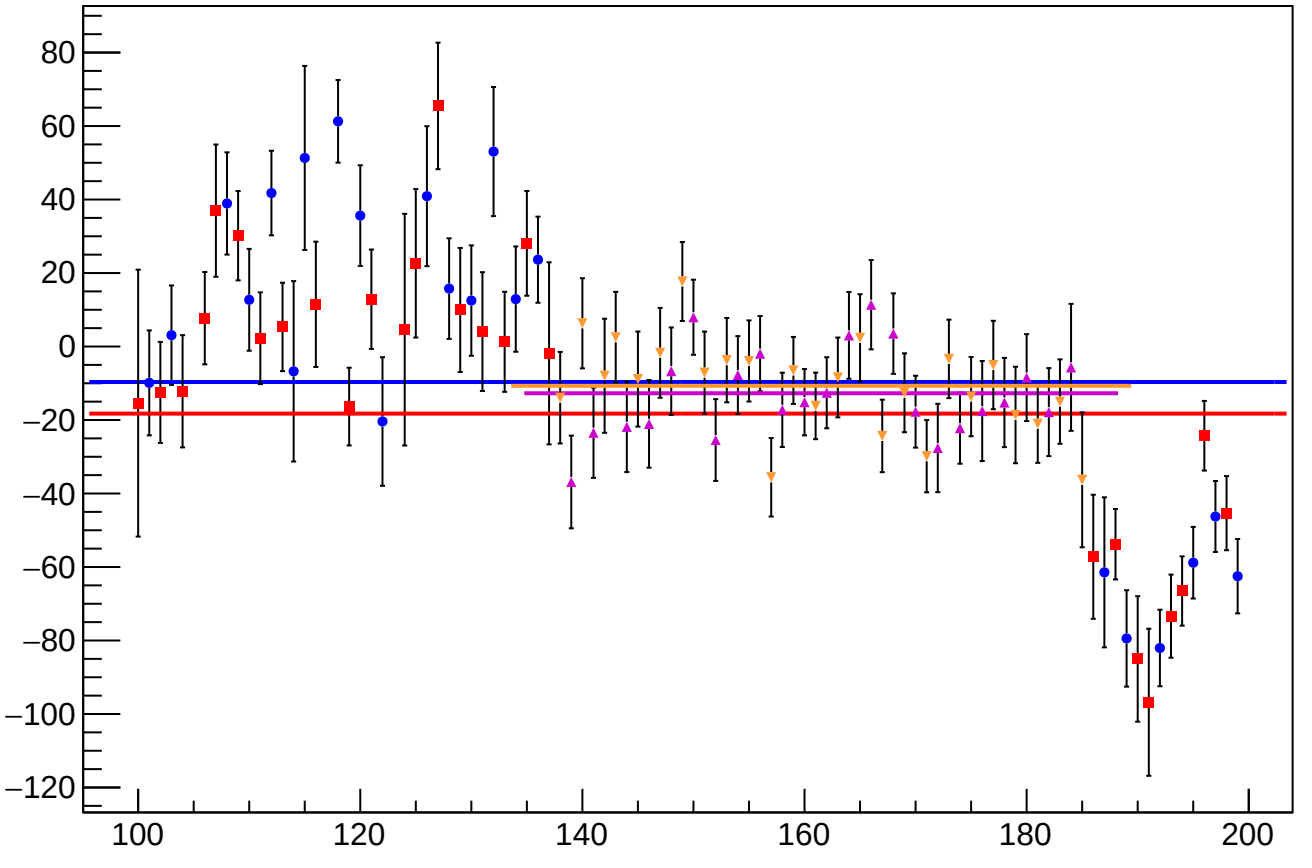
Left: 1147.788+/-0.135 χ^2/NDF: 2736258.7/47

Right: 1141.908+/-0.181 χ^2/NDF: 8364515.0/48

In: 1159.172+/-0.159 χ^2/NDF:6298301.4/44

Out: 1134.007+/-0.148 χ^2/NDF:4789724.5/51

All: 1145.683+/-0.108 χ^2/NDF: 11101450.9/9



Right In: -9.660+/-2.835 χ^2/NDF: 278.8/21

Left Out: -10.696+/-2.257 χ^2/NDF:28.7/24

Right Out: -18.255+/-2.633 χ^2/NDF: 198.2/26

Left In: -12.719+/-2.341 χ^2/NDF:24.0/22

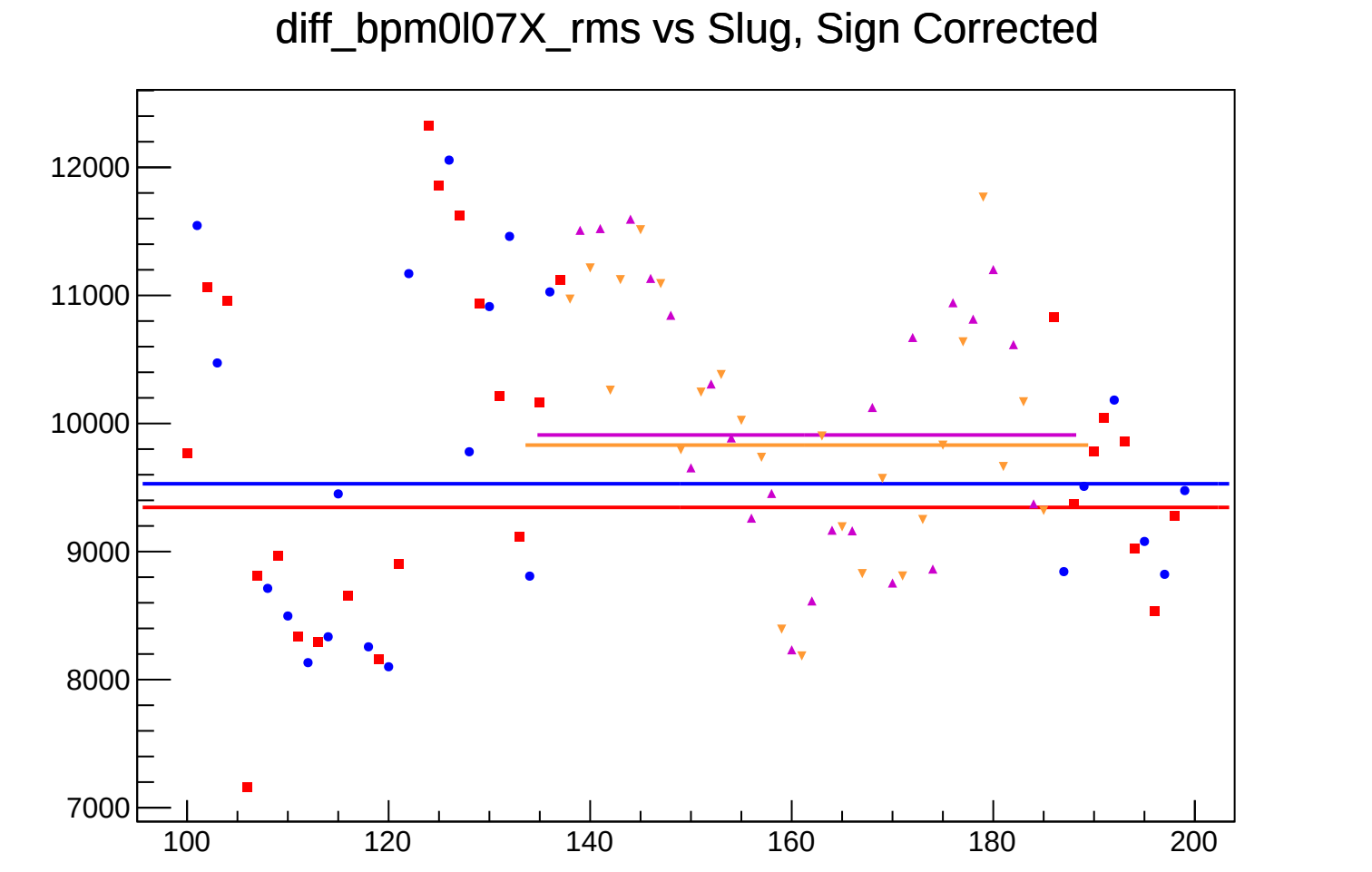
Left: -11.671+/-1.625 χ^2/NDF: 53.1/47

Right: -14.274+/-1.930 χ^2/NDF: 481.9/48

In: -11.479+/-1.805 χ^2/NDF:303.5/44

Out: -13.898+/-1.714 χ^2/NDF:231.7/51

All: -12.751+/-1.243 χ^2/NDF: 536.1/96



Right In: 9529.408+/-2.005 χ^2/NDF: 306756.9/21

Left Out: 9831.301+/-1.596 χ^2/NDF:356125.1/24

Right Out: 9344.839+/-1.862 χ^2/NDF: 342217.5/26

Left In: 9910.300+/-1.655 χ^2/NDF:389368.1/22

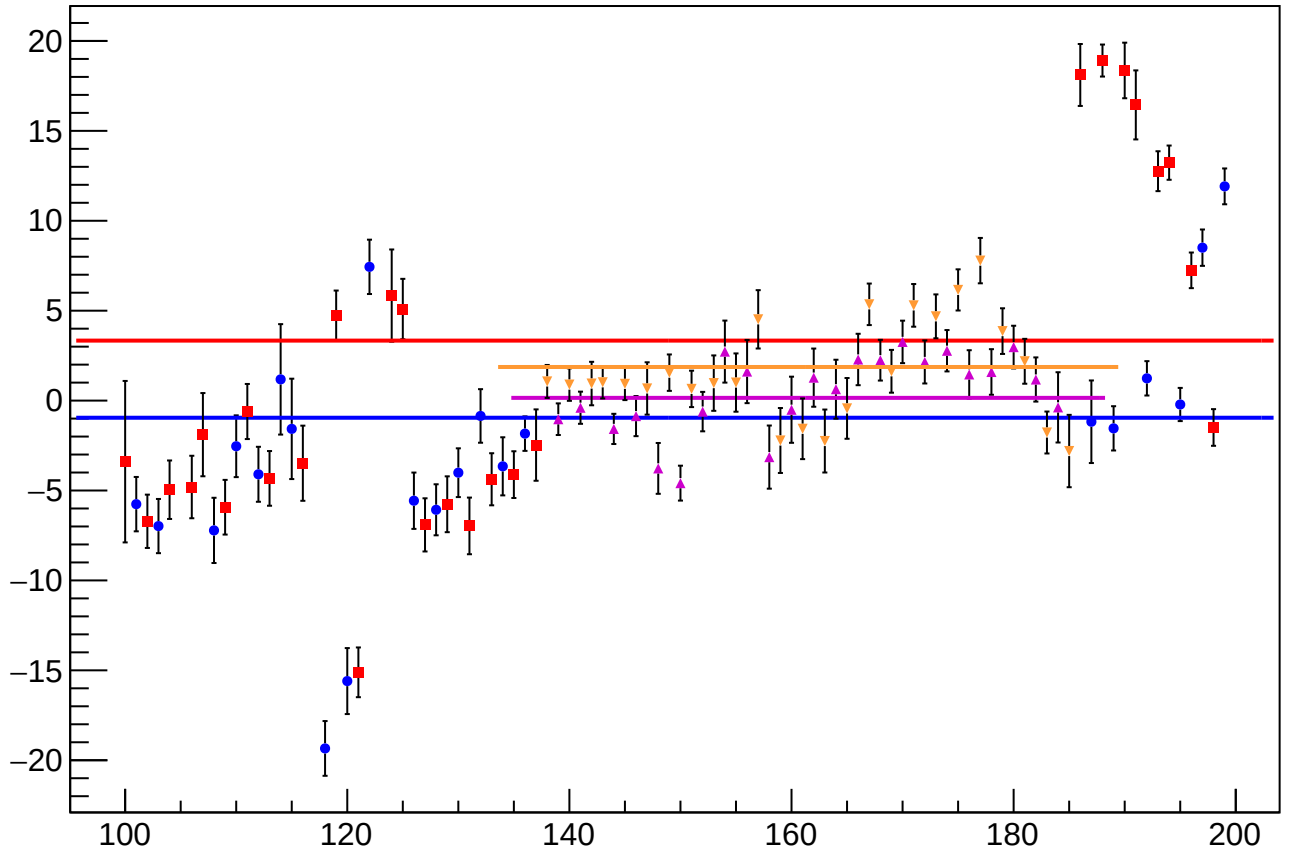
Left: 9869.364+/-1.149 χ^2/NDF: 746673.5/47

Right: 9430.324+/-1.364 χ^2/NDF: 653524.6/48

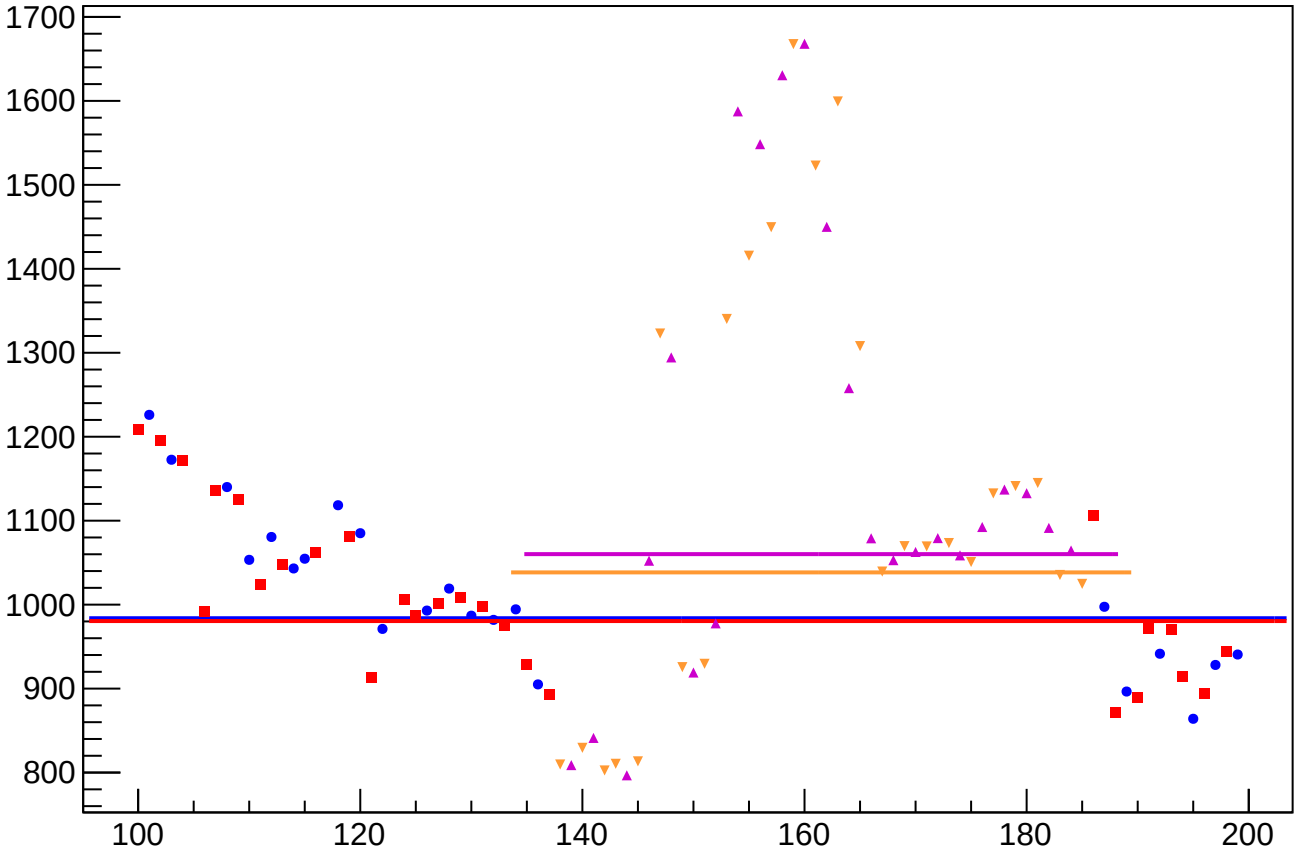
In: 9755.901+/-1.276 χ^2/NDF:717589.6/44

Out: 9625.271+/-1.212 χ^2/NDF:737684.4/51

All: 9687.199+/-0.879 χ^2/NDF: 1460782.5/96


diff_bpm0l07Y_mean vs Slug, Sign Corrected
20
15
10
5
0
−5
−10
−15
−20
100
120
140
160
180
200
Right In: -0.953+/-0.291 χ²/NDF: 574.9/21
Left Out: 1.869+/-0.243 χ²/NDF:103.2/24
Right Out: 3.336+/-0.275 χ²/NDF: 1296.0/26
Left In: 0.152+/-0.254 χ²/NDF:75.7/22
Left: 1.051+/-0.176 χ²/NDF: 202.7/47
Right: 1.313+/-0.200 χ²/NDF: 1985.9/48
In: -0.327+/-0.192 χ²/NDF:658.8/44
Out: 2.512+/-0.182 χ²/NDF:1415.2/51
All: 1.165+/-0.132 χ²/NDF: 2189.6/96

diff_bpm0l07Y_rms vs Slug, Sign Corrected



Right In: 983.808+/-0.206 χ^2/NDF: 205231.1/21

Left Out: 1038.406+/-0.172 χ^2/NDF:1706682.8/24

Right Out: 980.458+/-0.194 χ^2/NDF: 209398.2/26

Left In: 1060.162+/-0.180 χ^2/NDF:1523219.9/22

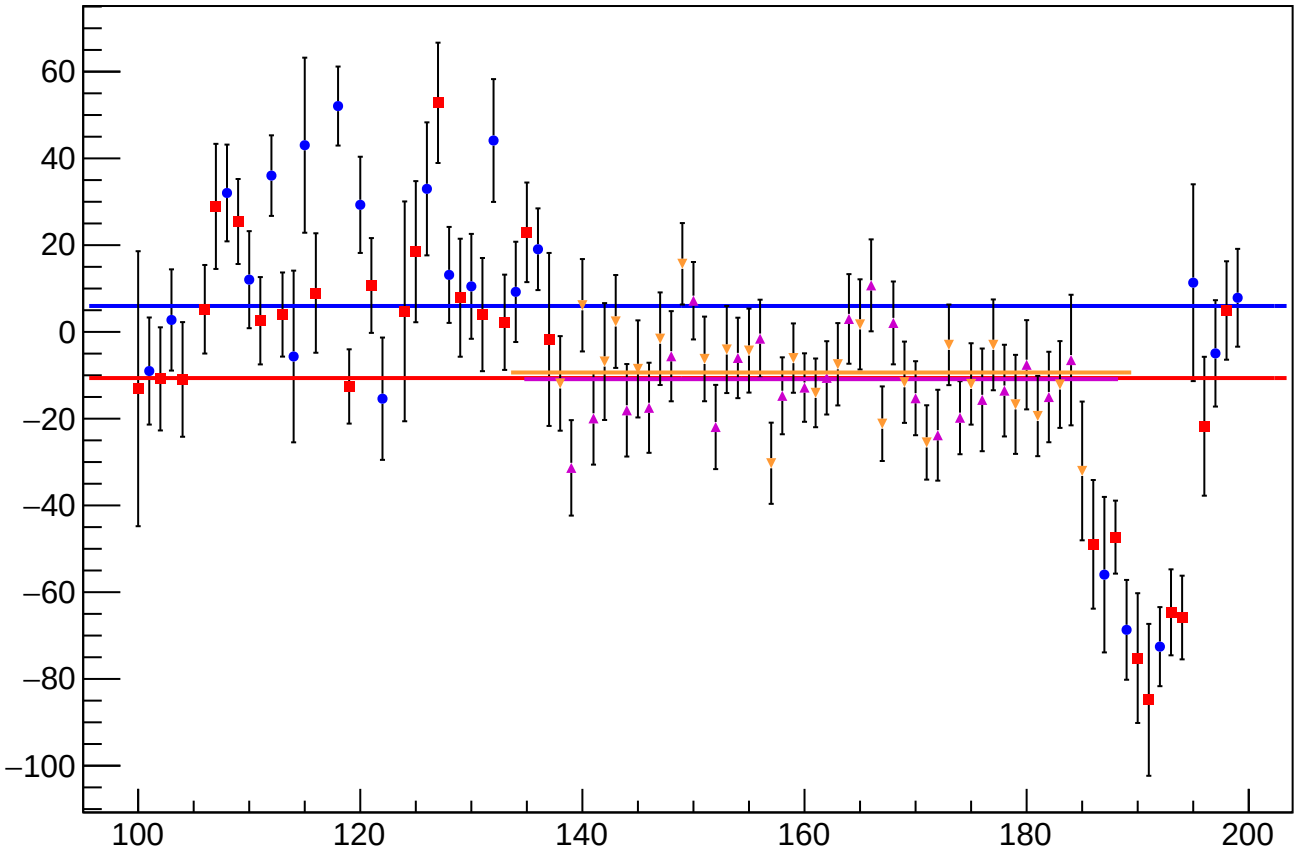
Left: 1048.767+/-0.124 χ^2/NDF: 3237559.4/47

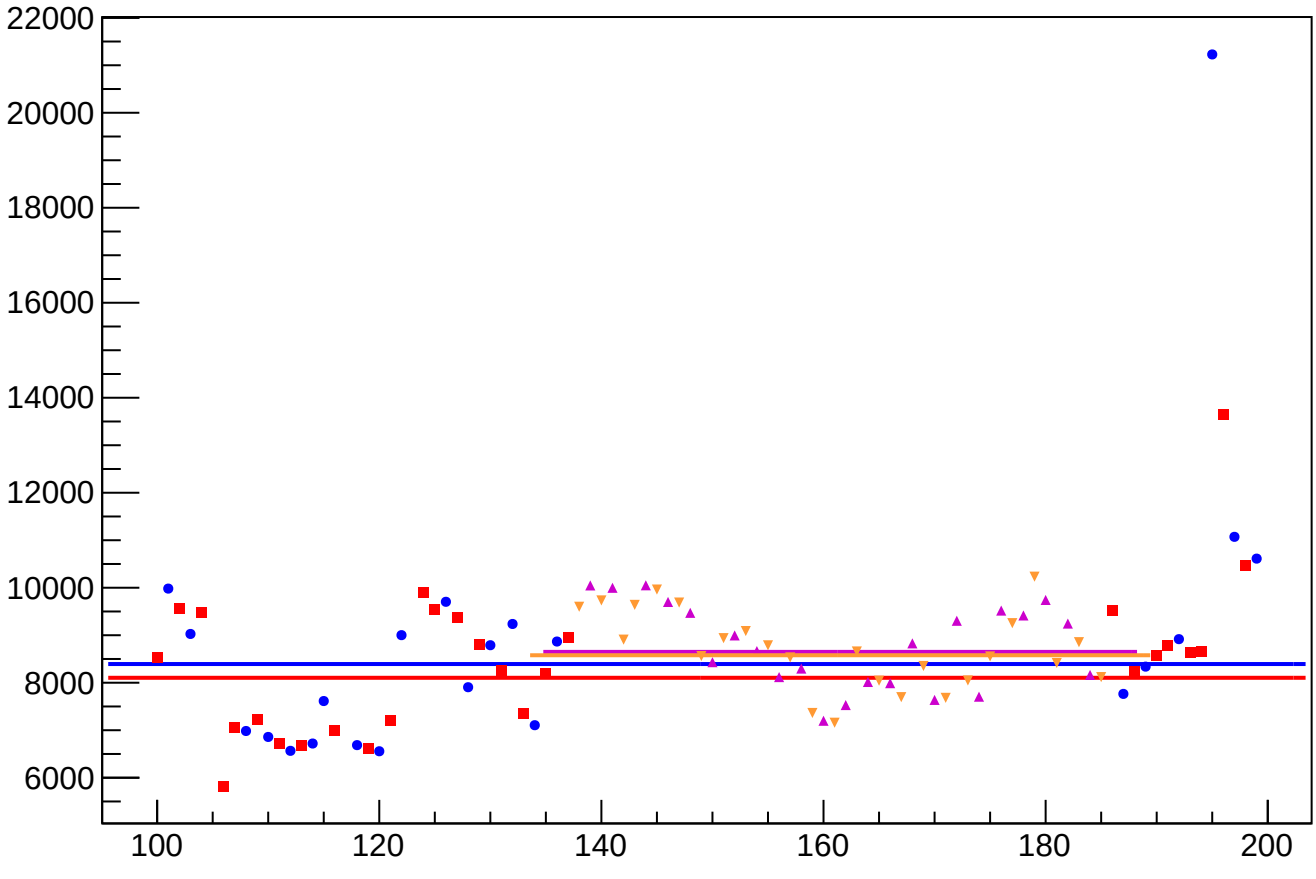
Right: 982.038+/-0.141 χ^2/NDF: 414769.5/48

In: 1027.050+/-0.135 χ^2/NDF:1806530.9/44

Out: 1013.016+/-0.129 χ^2/NDF:1966058.1/51

All: 1019.671+/-0.093 χ^2/NDF: 3778235.6/96


diff_bpm0l08X_mean vs Slug, Sign Corrected
60
40
20
0
−20
−40
−60
−80
−100
100
120
140
160
180
200
Right In: 5.979+/-2.549 χ²/NDF: 195.9/21
Left Out: -9.355+/-1.969 χ²/NDF:28.5/24
Right Out: -10.639+/-2.321 χ²/NDF: 198.2/26
Left In: -10.892+/-2.043 χ²/NDF:23.6/22
Left: -10.095+/-1.418 χ²/NDF: 52.4/47
Right: -3.106+/-1.716 χ²/NDF: 417.4/48
In: -4.295+/-1.594 χ²/NDF:246.2/44
Out: -9.893+/-1.502 χ²/NDF:226.9/51
All: -7.260+/-1.093 χ²/NDF: 479.6/96



Right In: 8393.490+/-1.802 χ^2/NDF: 1211897.2/21

Left Out: 8578.396+/-1.392 χ^2/NDF:343721.1/24

Right Out: 8103.933+/-1.641 χ^2/NDF: 770838.3/26

Left In: 8649.232+/-1.444 χ^2/NDF:377932.0/22

Left: 8612.520+/-1.002 χ^2/NDF: 722899.8/47

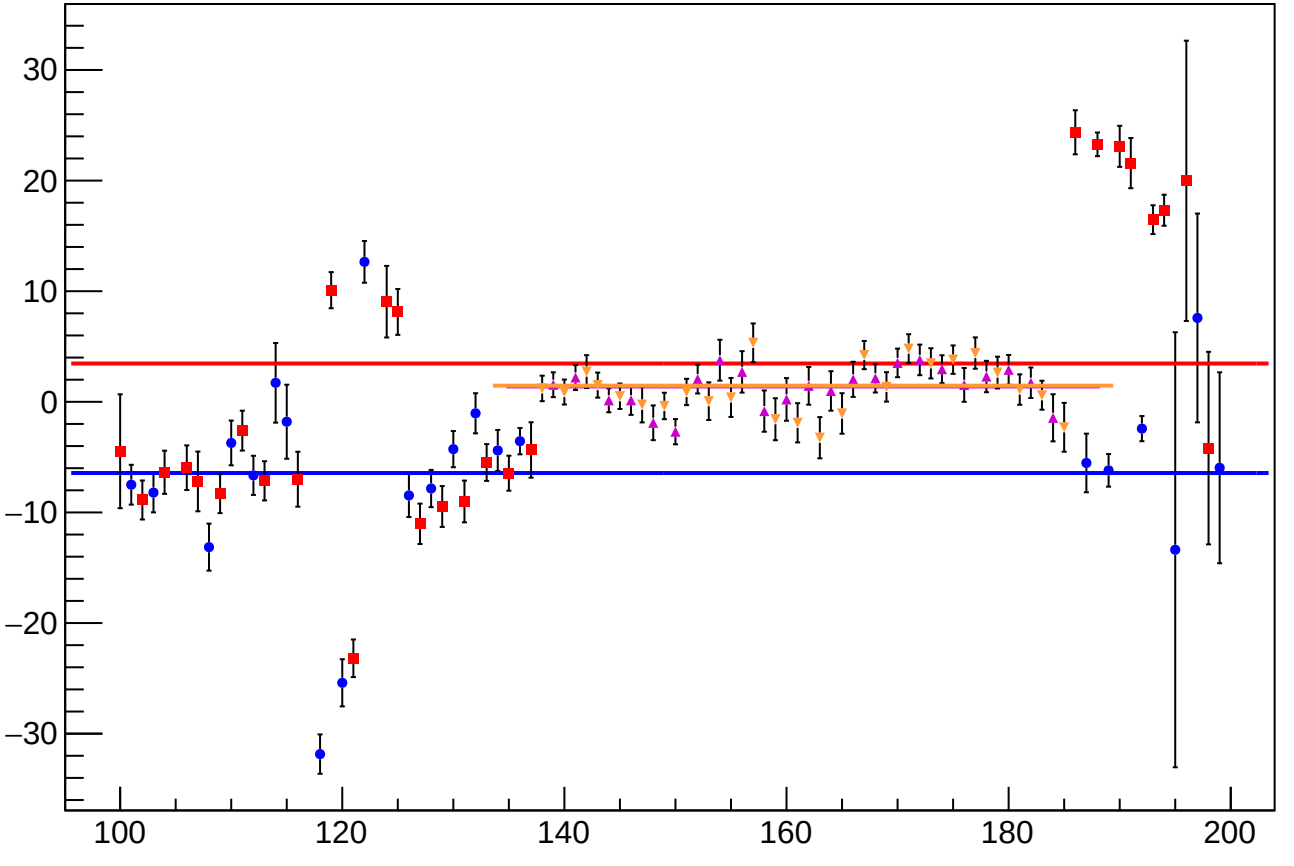
Right: 8235.197+/-1.213 χ^2/NDF: 1996846.3/48

In: 8549.223+/-1.127 χ^2/NDF:1602090.7/44

Out: 8379.815+/-1.062 χ^2/NDF:1163155.1/51

All: 8459.472+/-0.773 χ^2/NDF: 2777216.0/96

diff_bpm0l08Y_mean vs Slug, Sign Corrected



Right In: -6.437+/-0.406 χ^2/NDF: 439.8/21

Left Out: 1.461+/-0.281 χ^2/NDF:51.0/24

Right Out: 3.463+/-0.361 χ^2/NDF: 1556.7/26

Left In: 1.390+/-0.294 χ^2/NDF:35.5/22

Left: 1.427+/-0.203 χ^2/NDF: 86.6/47

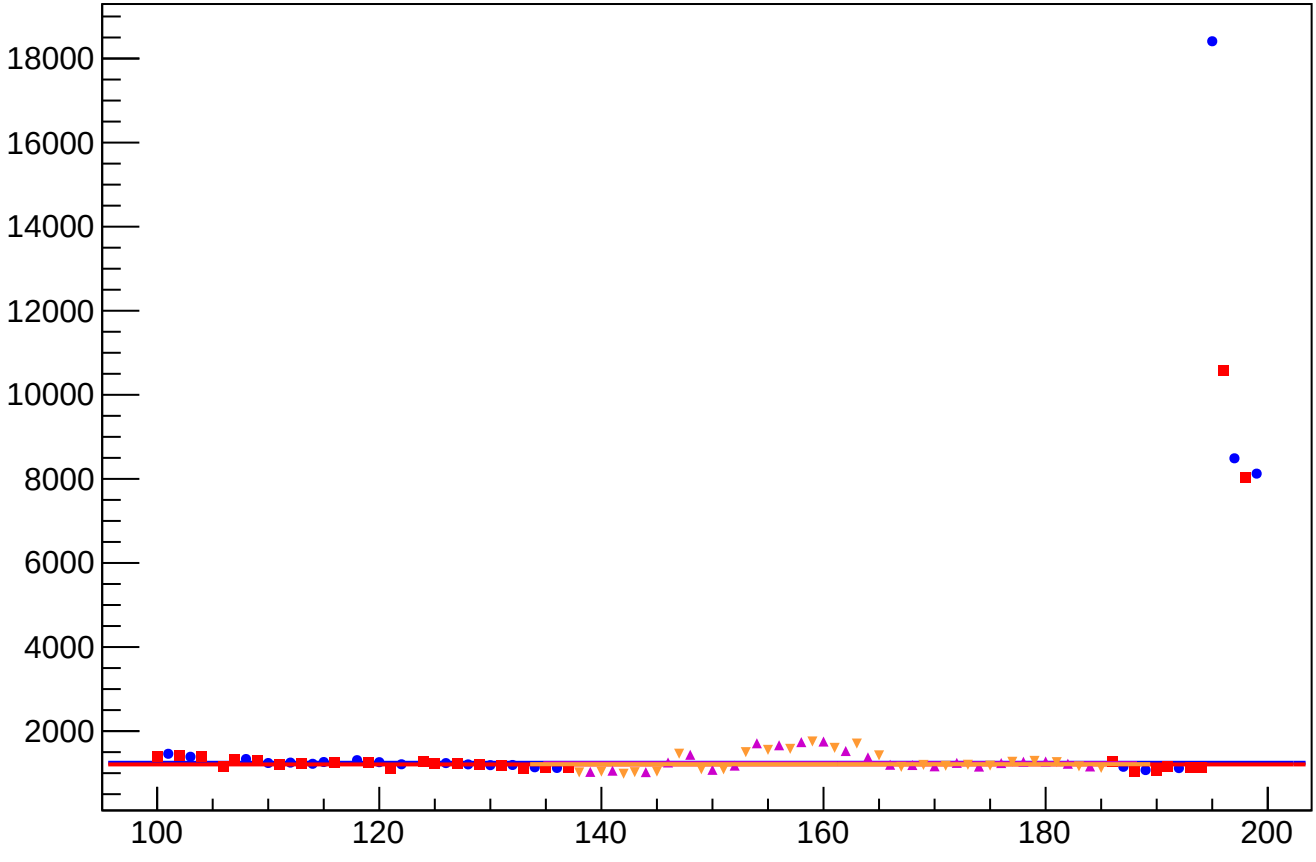
Right: -0.910+/-0.270 χ^2/NDF: 2329.2/48

In: -1.310+/-0.238 χ^2/NDF:719.3/44

Out: 2.215+/-0.221 χ^2/NDF:1626.9/51

All: 0.581+/-0.162 χ^2/NDF: 2463.8/96

diff_bpm0l08Y_rms vs Slug, Sign Corrected



Right In: 1246.785+/-0.287 χ^2/NDF: 4108170.0/21

Left Out: 1213.262+/-0.198 χ^2/NDF:1012762.9/24

Right Out: 1207.725+/-0.255 χ^2/NDF: 2483291.4/26

Left In: 1239.174+/-0.208 χ^2/NDF:885596.7/22

Left: 1225.599+/-0.144 χ^2/NDF: 1906483.7/47

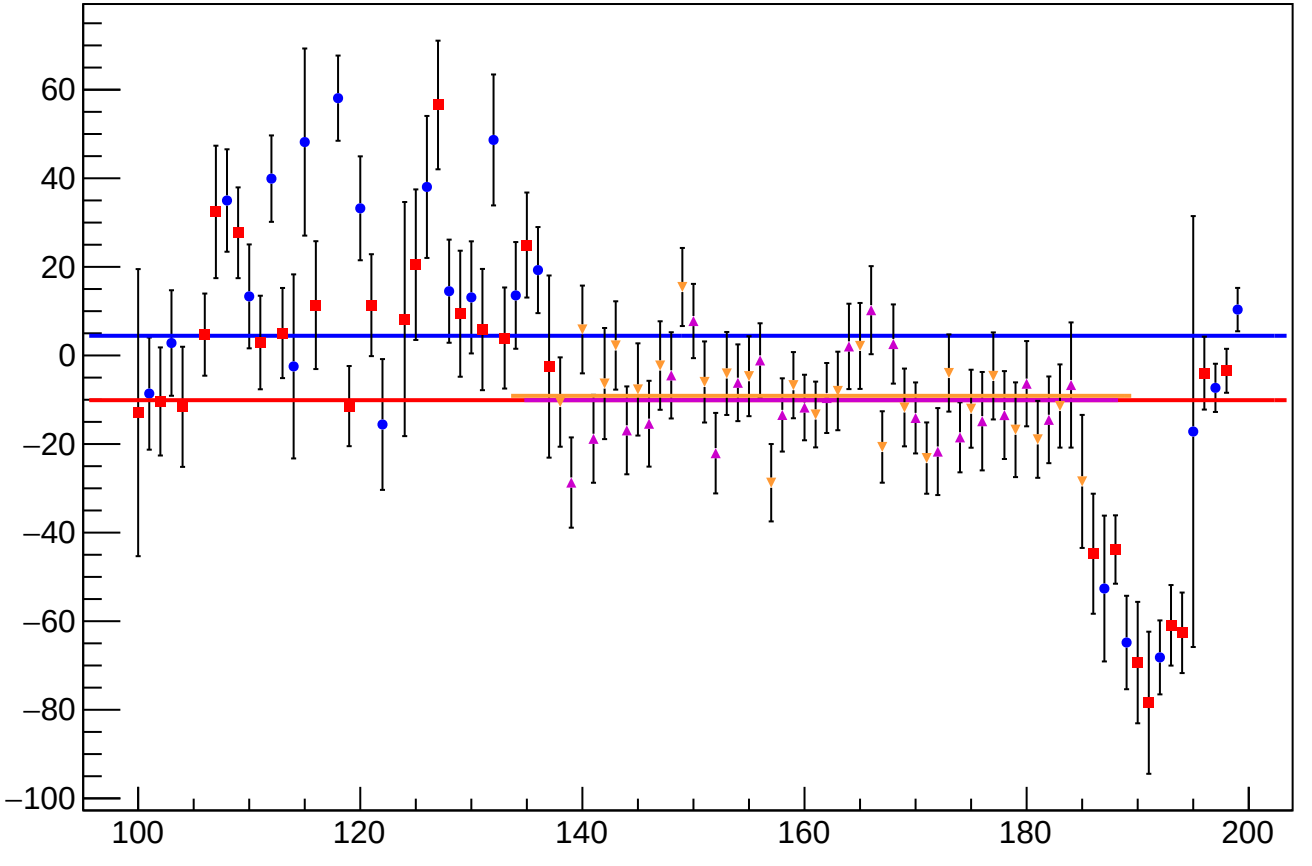
Right: 1224.978+/-0.191 χ^2/NDF: 6601820.5/48

In: 1241.799+/-0.168 χ^2/NDF:4994228.1/44

Out: 1211.175+/-0.157 χ^2/NDF:3496348.0/51

All: 1225.374+/-0.115 χ^2/NDF: 8508310.9/96

diff_bpm0l09X_mean vs Slug, Sign Corrected



Right In: 4.443+/-2.191 χ^2/NDF: 219.7/21

Left Out: -9.114+/-1.842 χ^2/NDF:28.8/24

Right Out: -10.097+/-2.085 χ^2/NDF: 201.5/26

Left In: -10.095+/-1.911 χ^2/NDF:24.3/22

Left: -9.587+/-1.326 χ^2/NDF: 53.2/47

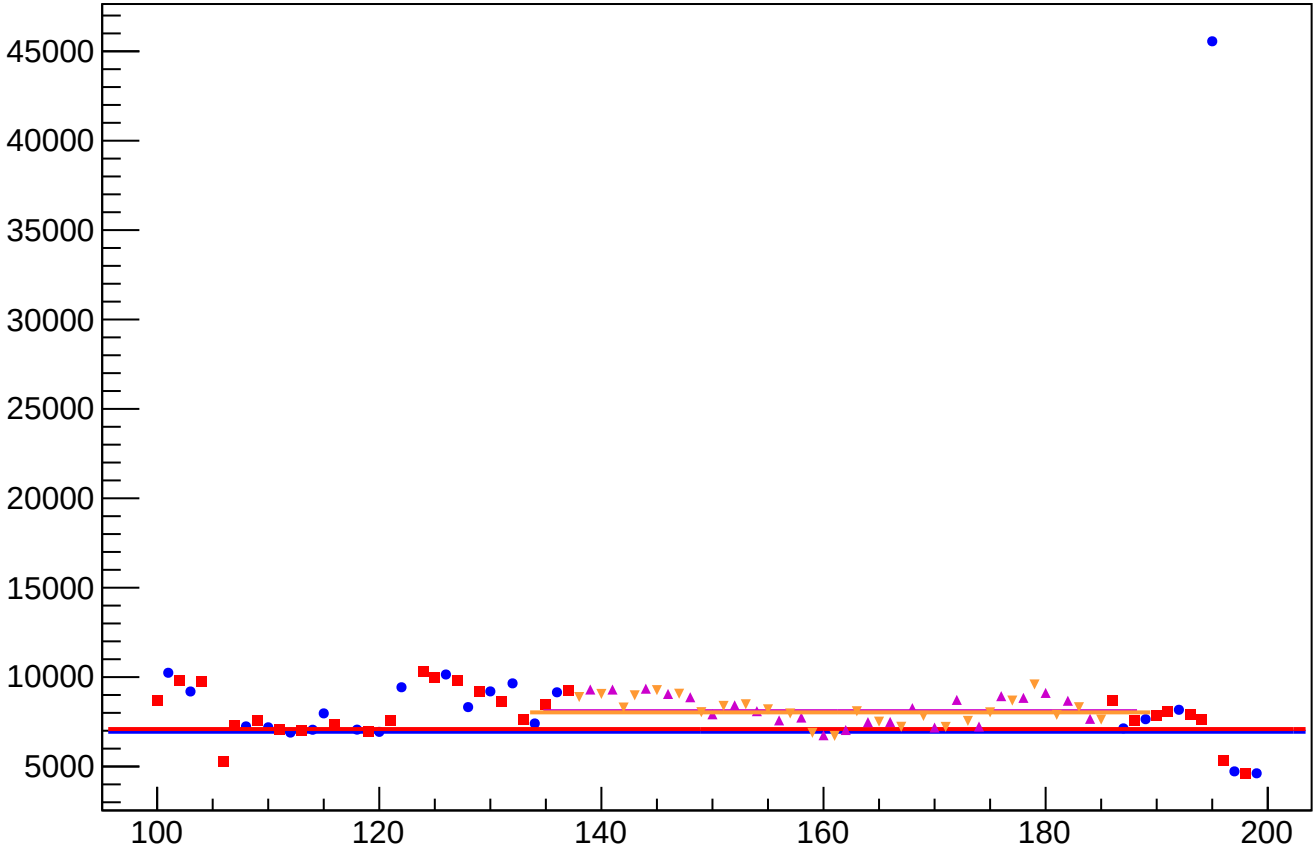
Right: -3.187+/-1.511 χ^2/NDF: 444.3/48

In: -3.814+/-1.440 χ^2/NDF:269.0/44

Out: -9.545+/-1.381 χ^2/NDF:230.4/51

All: -6.800+/-0.997 χ^2/NDF: 507.7/96

diff_bpm0l09X_rms vs Slug, Sign Corrected



Right In: 6943.699+/-1.549 χ^2/NDF: 2710991.6/21

Left Out: 8028.056+/-1.303 χ^2/NDF:332457.9/24

Right Out: 7094.581+/-1.475 χ^2/NDF: 1216908.6/26

Left In: 8095.368+/-1.351 χ^2/NDF:367451.5/22

Left: 8060.478+/-0.938 χ^2/NDF: 701195.2/47

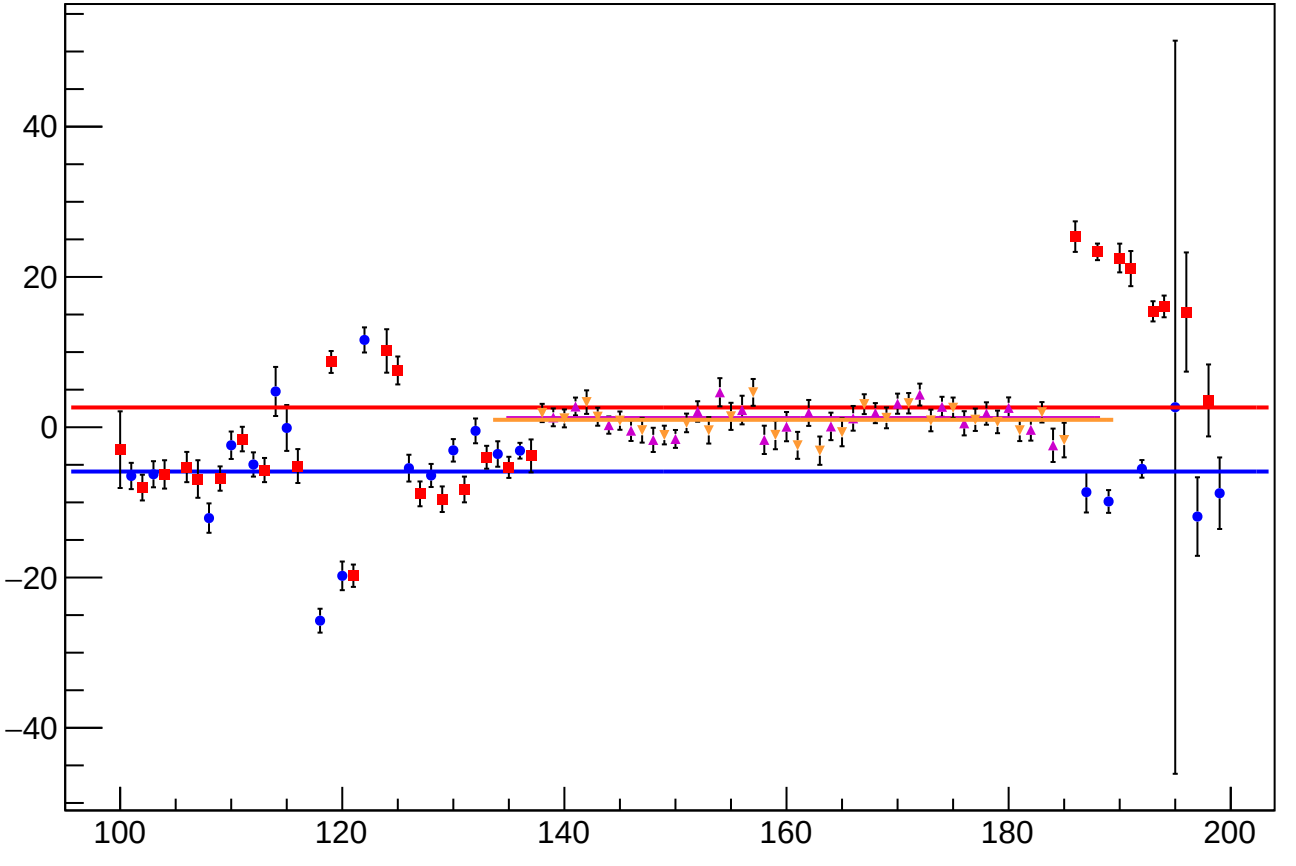
Right: 7022.877+/-1.068 χ^2/NDF: 3932876.3/48

In: 7597.766+/-1.018 χ^2/NDF:3392201.6/44

Out: 7618.804+/-0.976 χ^2/NDF:1774441.6/51

All: 7608.730+/-0.705 χ^2/NDF: 5166865.7/96

diff_bpm0l09Y_mean vs Slug, Sign Corrected



Right In: -5.895+/-0.377 χ^2/NDF: 380.4/21

Left Out: 0.988+/-0.292 χ^2/NDF:31.0/24

Right Out: 2.632+/-0.342 χ^2/NDF: 1458.7/26

Left In: 1.219+/-0.307 χ^2/NDF:33.1/22

Left: 1.098+/-0.212 χ^2/NDF: 64.4/47

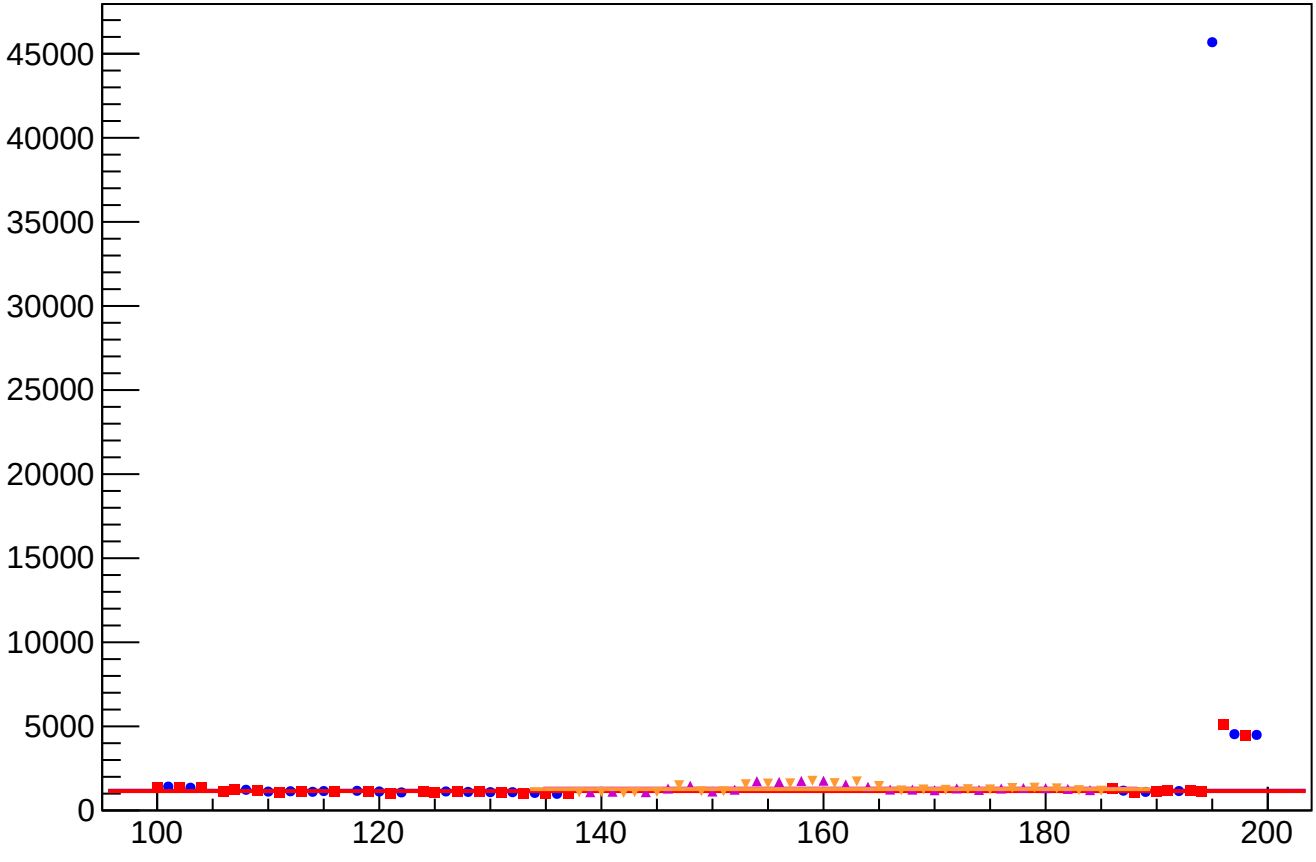
Right: -1.214+/-0.253 χ^2/NDF: 2119.5/48

In: -1.610+/-0.238 χ^2/NDF:627.7/44

Out: 1.682+/-0.222 χ^2/NDF:1503.0/51

All: 0.148+/-0.162 χ^2/NDF: 2233.0/96

diff_bpm0l09Y_rms vs Slug, Sign Corrected



Right In: 1171.146+/-0.267 χ^2/NDF: 3636516.4/21

Left Out: 1267.405+/-0.207 χ^2/NDF:878431.8/24

Right Out: 1151.818+/-0.242 χ^2/NDF: 1620281.4/26

Left In: 1294.076+/-0.217 χ^2/NDF:758193.5/22

Left: 1280.108+/-0.150 χ^2/NDF: 1644552.9/47

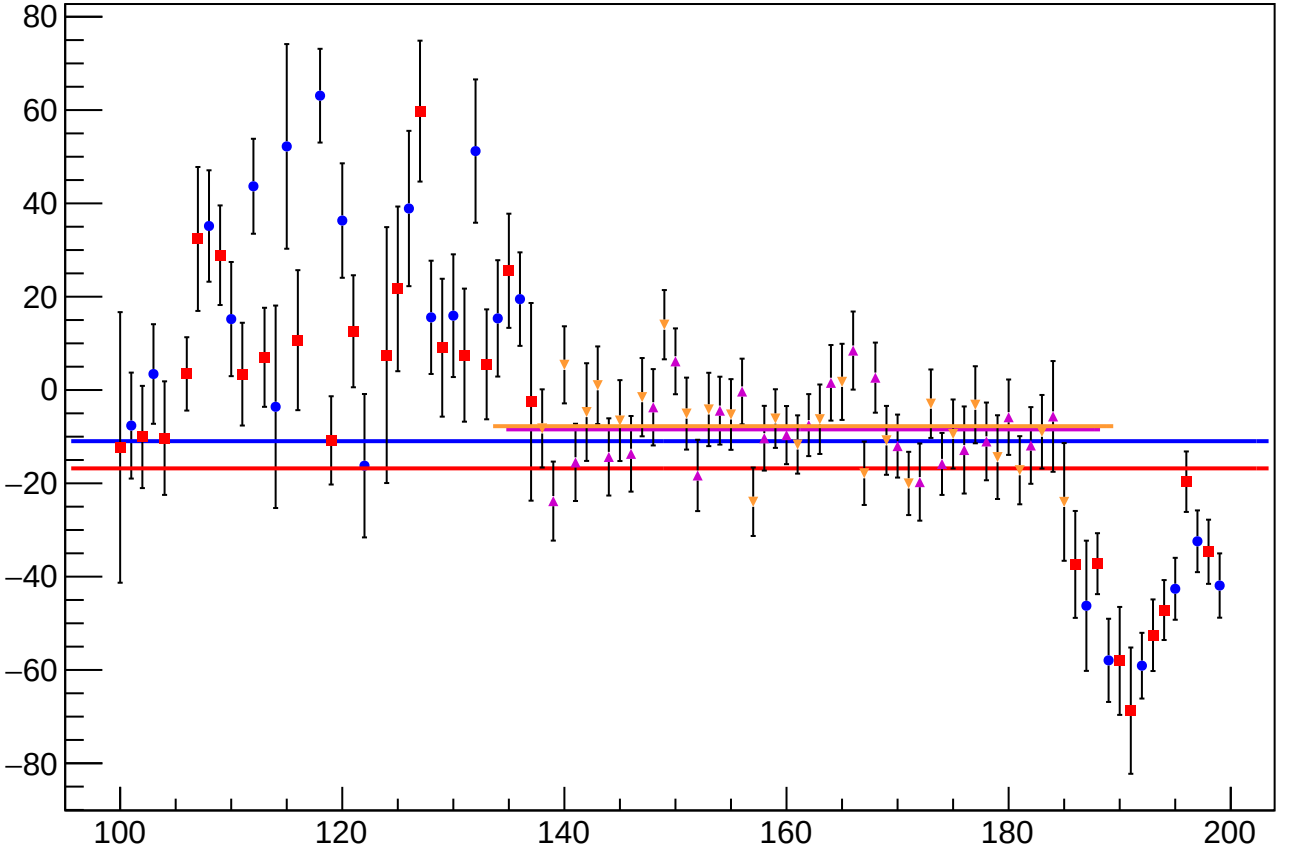
Right: 1160.535+/-0.179 χ^2/NDF: 5259680.0/48

In: 1245.183+/-0.168 χ^2/NDF:4522611.0/44

Out: 1218.591+/-0.157 χ^2/NDF:2630740.7/51

All: 1230.980+/-0.115 χ^2/NDF: 7166696.5/96

diff_bpm0l10X_mean vs Slug, Sign Corrected



Right In: -10.964+/-2.202 χ^2/NDF: 310.2/21

Left Out: -7.752+/-1.547 χ^2/NDF:30.4/24

Right Out: -16.796+/-2.001 χ^2/NDF: 198.6/26

Left In: -8.438+/-1.605 χ^2/NDF:24.8/22

Left: -8.082+/-1.114 χ^2/NDF: 55.3/47

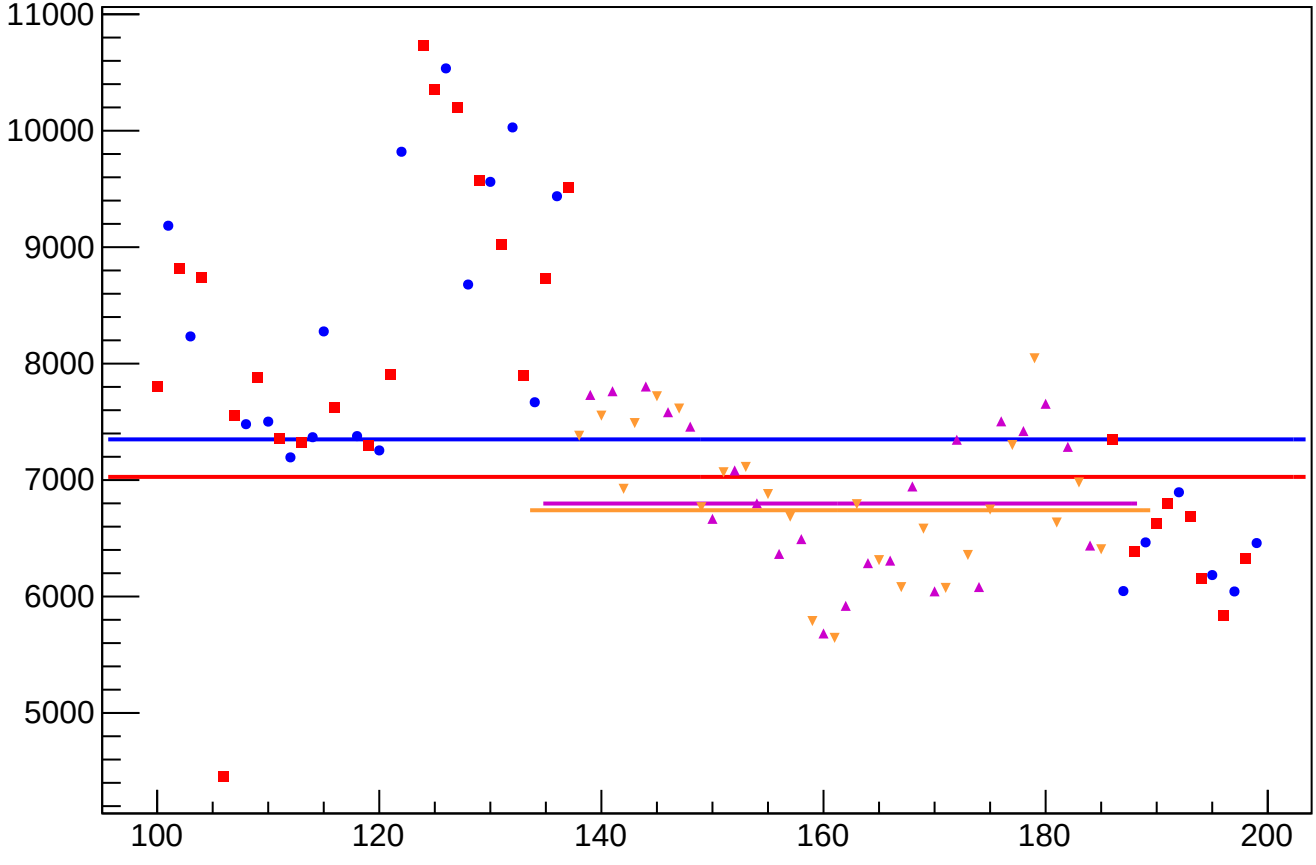
Right: -14.159+/-1.481 χ^2/NDF: 512.6/48

In: -9.314+/-1.297 χ^2/NDF:335.8/44

Out: -11.135+/-1.224 χ^2/NDF:241.8/51

All: -10.277+/-0.890 χ^2/NDF: 578.7/96

diff_bpm0l10X_rms vs Slug, Sign Corrected



Right In: 7349.413+/-1.557 χ^2/NDF: 643523.9/21

Left Out: 6740.835+/-1.094 χ^2/NDF:316707.6/24

Right Out: 7027.232+/-1.415 χ^2/NDF: 866773.6/26

Left In: 6798.524+/-1.135 χ^2/NDF:353277.6/22

Left: 6768.617+/-0.787 χ^2/NDF: 671325.3/47

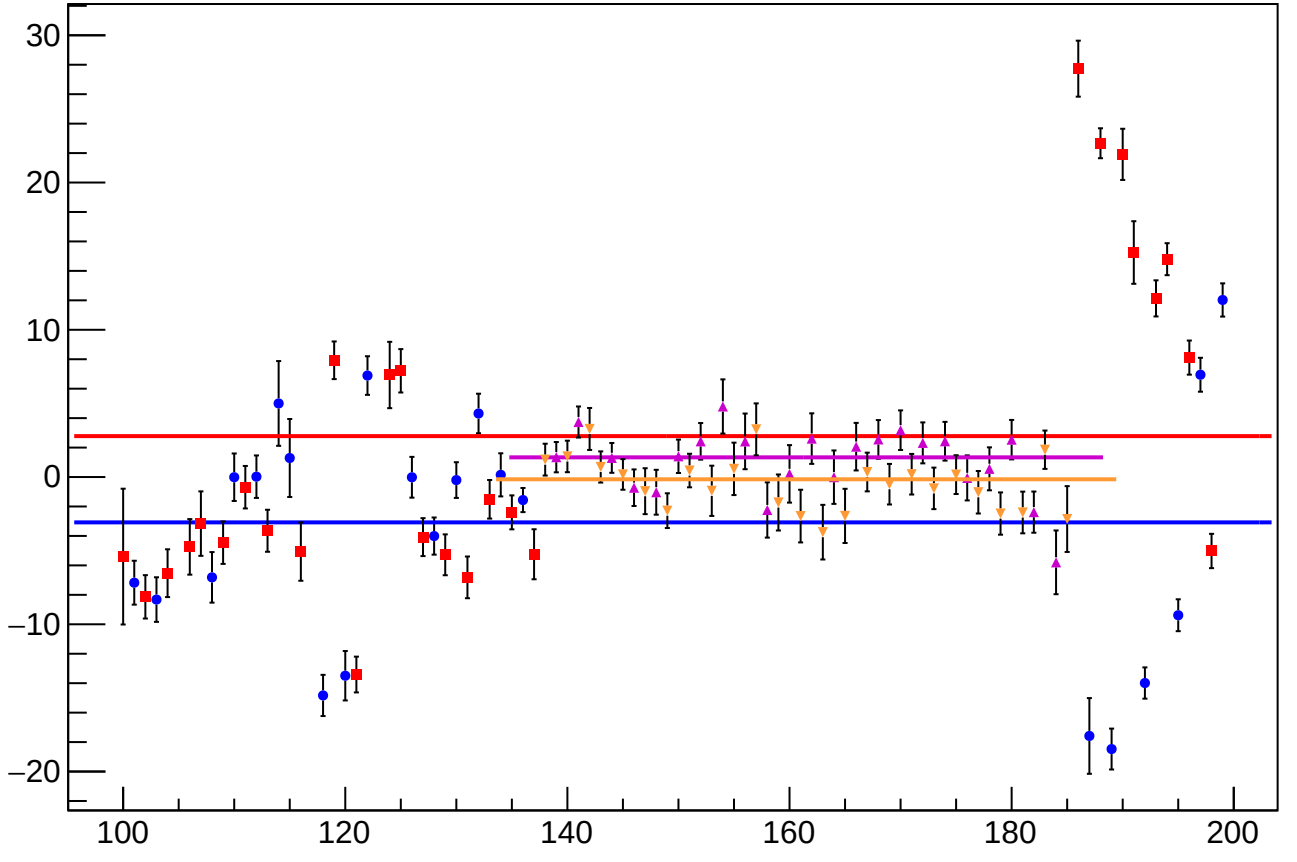
Right: 7172.896+/-1.047 χ^2/NDF: 1533745.2/48

In: 6989.545+/-0.917 χ^2/NDF:1078539.0/44

Out: 6847.960+/-0.865 χ^2/NDF:1209133.8/51

All: 6914.639+/-0.629 χ^2/NDF: 2300283.2/96

diff_bpm0l10Y_mean vs Slug, Sign Corrected



Right In: -3.079+/-0.288 χ^2/NDF: 809.1/21

Left Out: -0.152+/-0.277 χ^2/NDF:36.1/24

Right Out: 2.779+/-0.276 χ^2/NDF: 1505.7/26

Left In: 1.337+/-0.290 χ^2/NDF:44.0/22

Left: 0.557+/-0.200 χ^2/NDF: 93.9/47

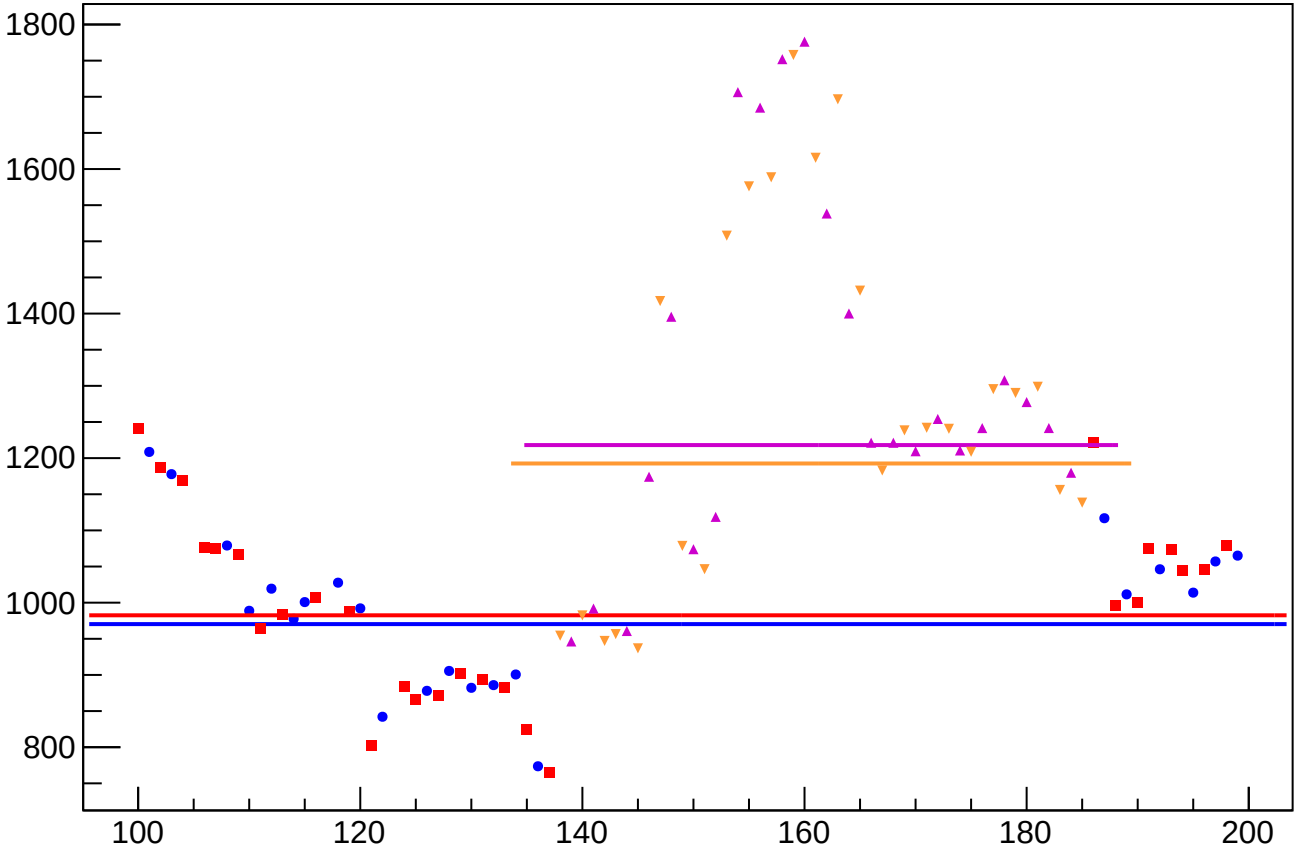
Right: -0.030+/-0.199 χ^2/NDF: 2530.8/48

In: -0.891+/-0.204 χ^2/NDF:970.0/44

Out: 1.317+/-0.195 χ^2/NDF:1598.0/51

All: 0.262+/-0.141 χ^2/NDF: 2629.0/96

diff_bpm0l10Y_rms vs Slug, Sign Corrected



Right In: 970.331+/-0.203 χ^2/NDF: 321883.8/21

Left Out: 1192.579+/-0.196 χ^2/NDF:1320181.3/24

Right Out: 982.518+/-0.195 χ^2/NDF: 332920.3/26

Left In: 1218.058+/-0.205 χ^2/NDF:1127896.8/22

Left: 1204.714+/-0.142 χ^2/NDF: 2456154.6/47

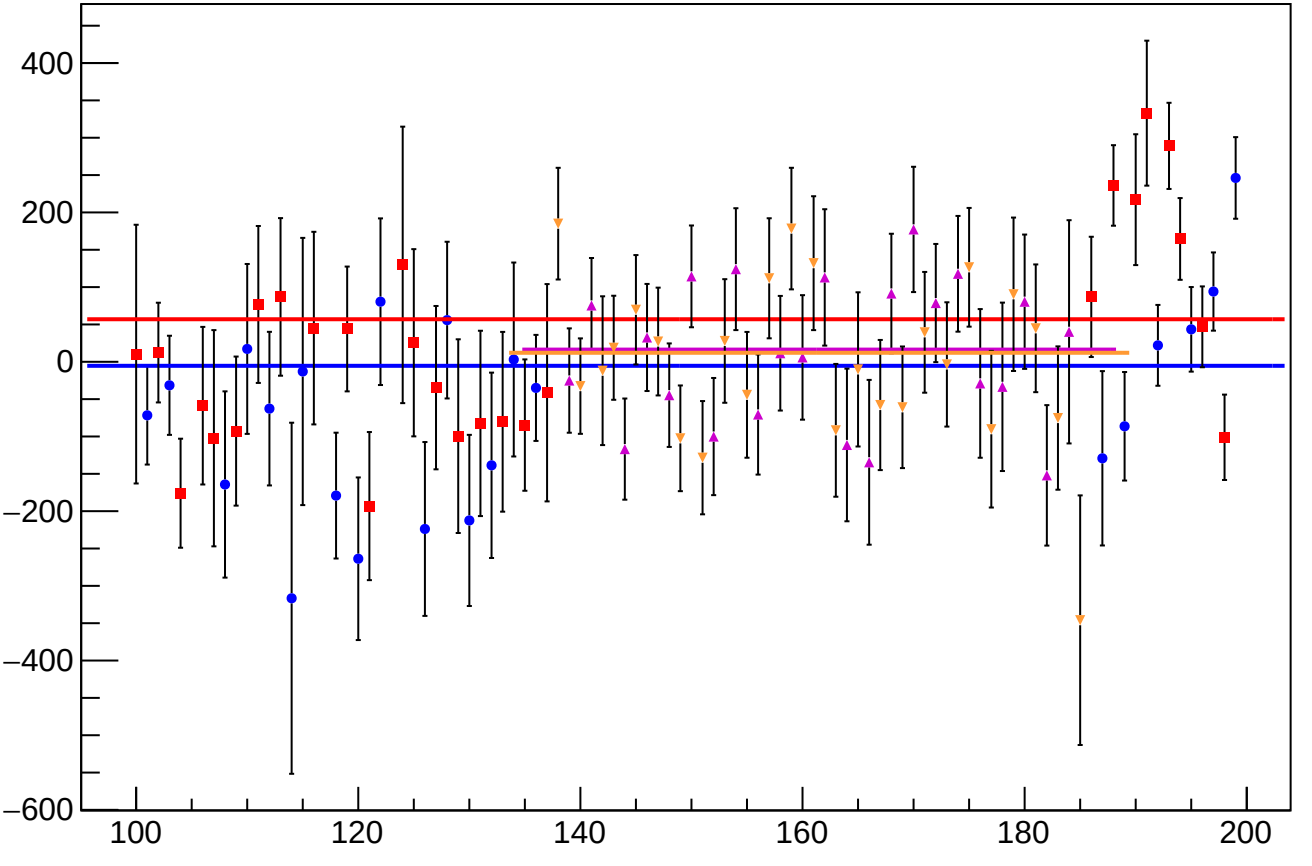
Right: 976.674+/-0.141 χ^2/NDF: 656673.7/48

In: 1093.083+/-0.144 χ^2/NDF:2185246.6/44

Out: 1087.284+/-0.138 χ^2/NDF:2230864.9/51

All: 1090.055+/-0.100 χ^2/NDF: 4416953.4/96

diff_bpm0r03X_mean vs Slug, Sign Corrected



Right In: -5.373+/-17.602 χ^2/NDF: 52.0/21

Left Out: 12.081+/-16.608 χ^2/NDF:32.8/24

Right Out: 56.977+/-16.369 χ^2/NDF: 80.2/26

Left In: 16.339+/-17.018 χ^2/NDF:28.7/22

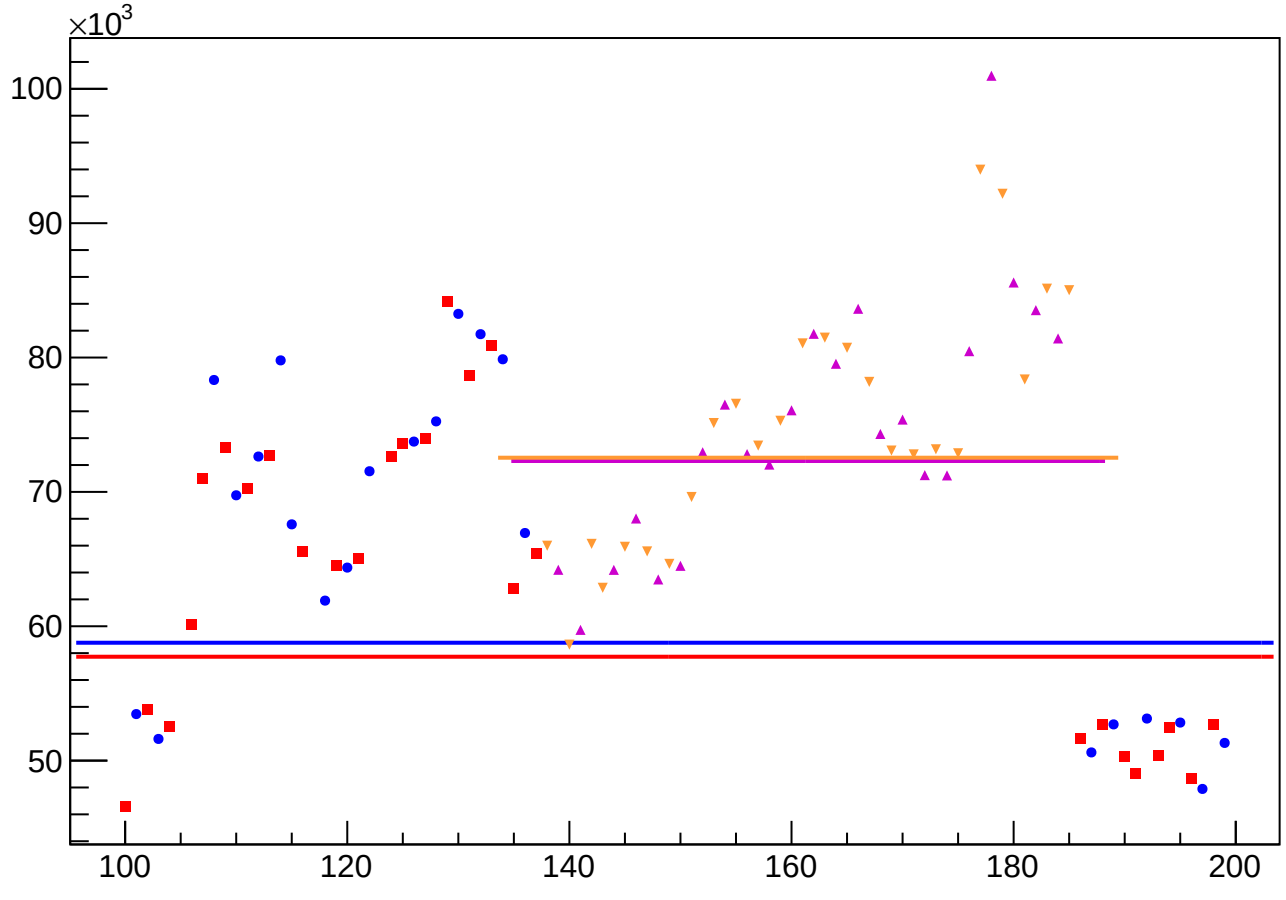
Left: 14.158+/-11.886 χ^2/NDF: 61.5/47

Right: 28.063+/-11.987 χ^2/NDF: 139.0/48

In: 5.849+/-12.235 χ^2/NDF:81.5/44

Out: 34.855+/-11.658 χ^2/NDF:116.7/51

All: 21.052+/-8.440 χ^2/NDF: 201.2/96



Right In: 58773.555+/-12.447 χ^2/NDF: 708055.8/21

Left Out: 72544.327+/-11.744 χ^2/NDF:500066.2/24

Right Out: 57732.216+/-11.575 χ^2/NDF: 689643.4/26

Left In: 72300.590+/-12.033 χ^2/NDF:488780.3/22

Left: 72425.429+/-8.405 χ^2/NDF: 989056.6/47

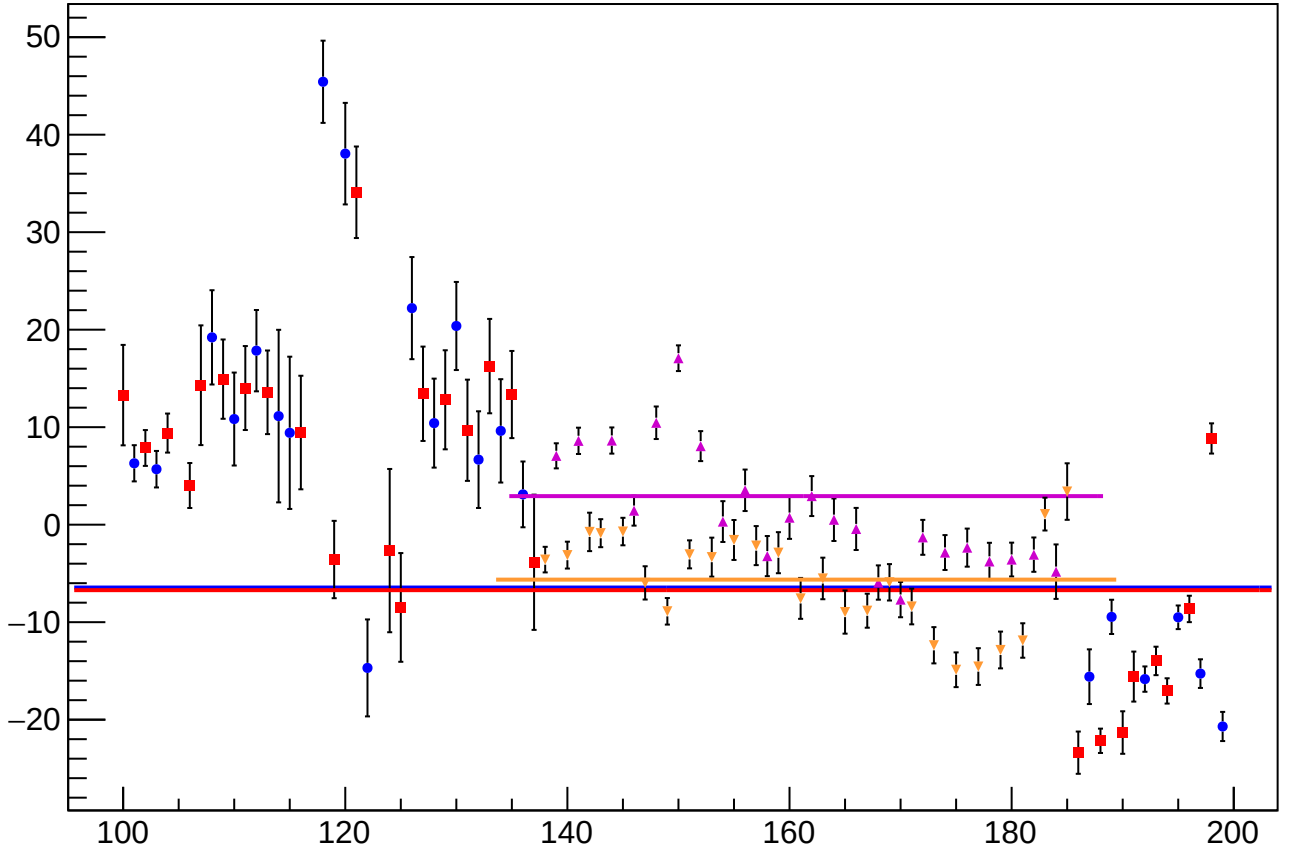
Right: 58215.126+/-8.476 χ^2/NDF: 1401452.8/48

In: 65765.424+/-8.651 χ^2/NDF:1807334.2/44

Out: 65030.926+/-8.244 χ^2/NDF:1996671.0/51

All: 65380.458+/-5.968 χ^2/NDF: 3807783.1/9

diff_bpm0r03Y_mean vs Slug, Sign Corrected



Right In: -6.447+/-0.512 χ^2/NDF: 701.7/21

Left Out: -5.636+/-0.349 χ^2/NDF:178.2/24

Right Out: -6.716+/-0.465 χ^2/NDF: 879.4/26

Left In: 2.929+/-0.362 χ^2/NDF:337.4/22

Left: -1.513+/-0.251 χ^2/NDF: 805.4/47

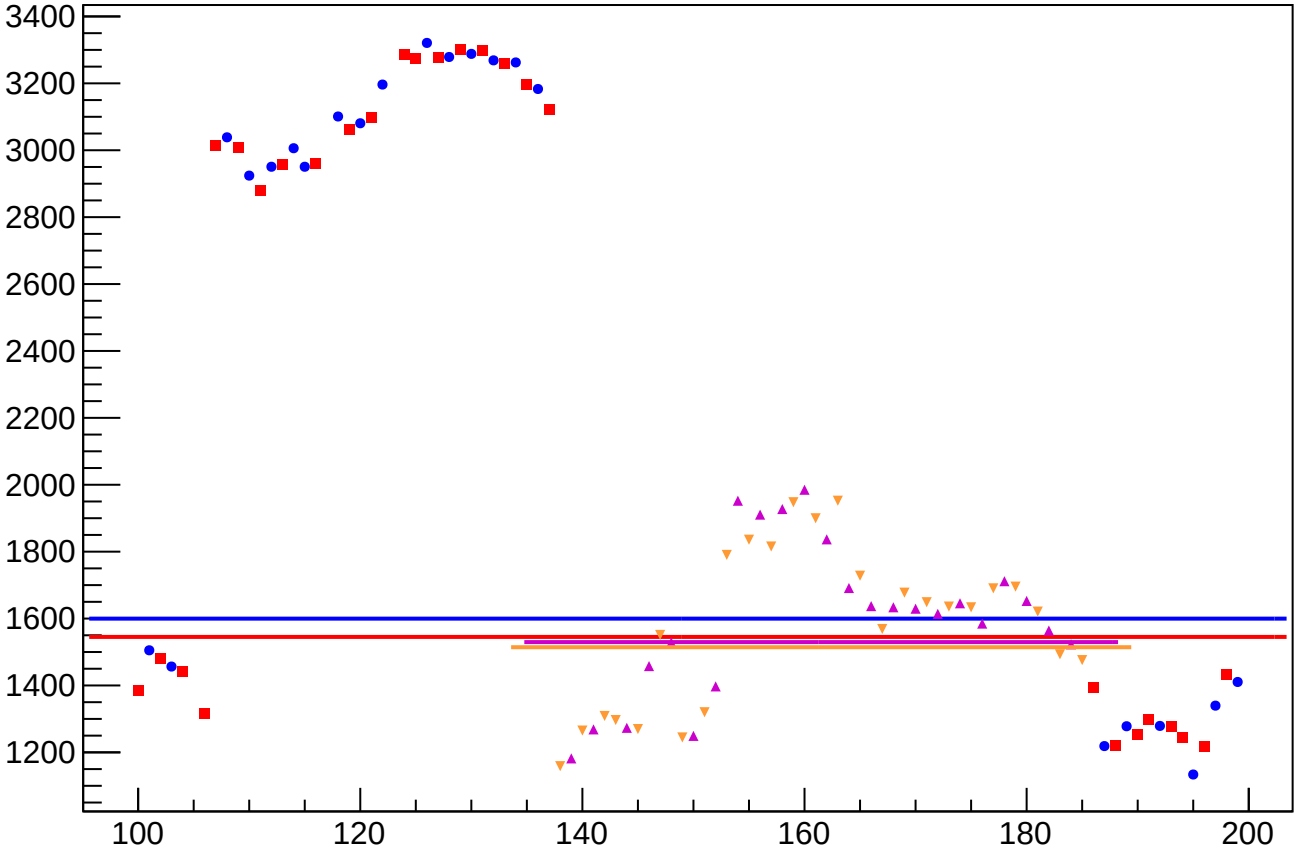
Right: -6.594+/-0.344 χ^2/NDF: 1581.3/48

In: -0.200+/-0.296 χ^2/NDF:1262.6/44

Out: -6.025+/-0.279 χ^2/NDF:1061.0/51

All: -3.280+/-0.203 χ^2/NDF: 2528.8/96

diff_bpm0r03Y_rms vs Slug, Sign Corrected



Right In: 1599.792+/-0.362 χ^2/NDF: 3536668.7/21

Left Out: 1514.334+/-0.247 χ^2/NDF:933332.1/24

Right Out: 1545.133+/-0.329 χ^2/NDF: 3571268.2/26

Left In: 1529.635+/-0.256 χ^2/NDF:828481.7/22

Left: 1521.700+/-0.178 χ^2/NDF: 1763664.0/47

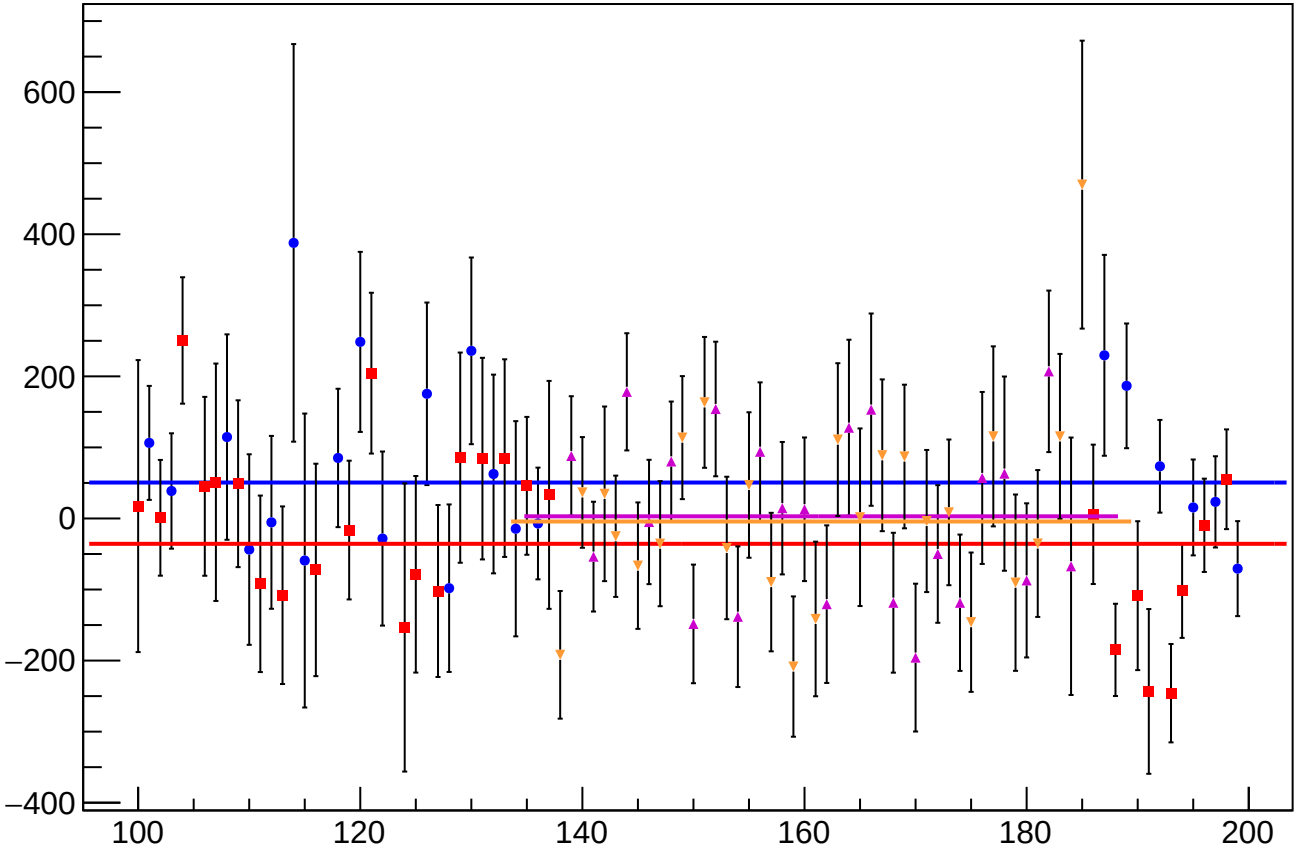
Right: 1569.839+/-0.243 χ^2/NDF: 7120429.6/48

In: 1553.043+/-0.209 χ^2/NDF:4390176.6/44

Out: 1525.434+/-0.197 χ^2/NDF:4510212.6/51

All: 1538.443+/-0.144 χ^2/NDF: 8909608.1/96

diff_bpm0r05X_mean vs Slug, Sign Corrected



Right In: 50.568+/-20.865 χ^2/NDF: 19.2/21

Left Out: -4.274+/-20.240 χ^2/NDF:30.4/24

Right Out: -35.677+/-19.448 χ^2/NDF: 41.9/26

Left In: 3.017+/-20.720 χ^2/NDF:30.7/22

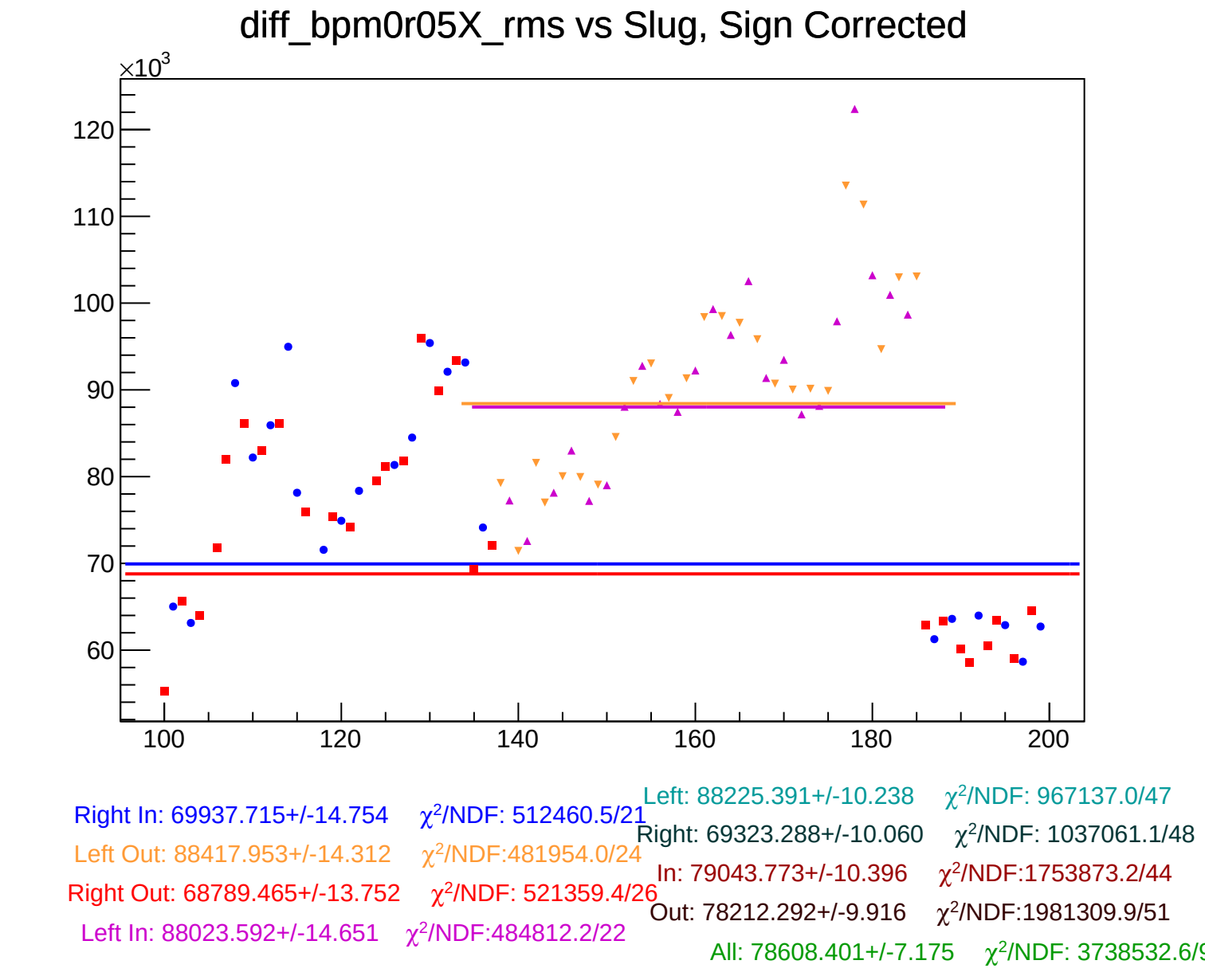
Left: -0.714+/-14.478 χ^2/NDF: 61.2/47

Right: 4.418+/-14.226 χ^2/NDF: 70.3/48

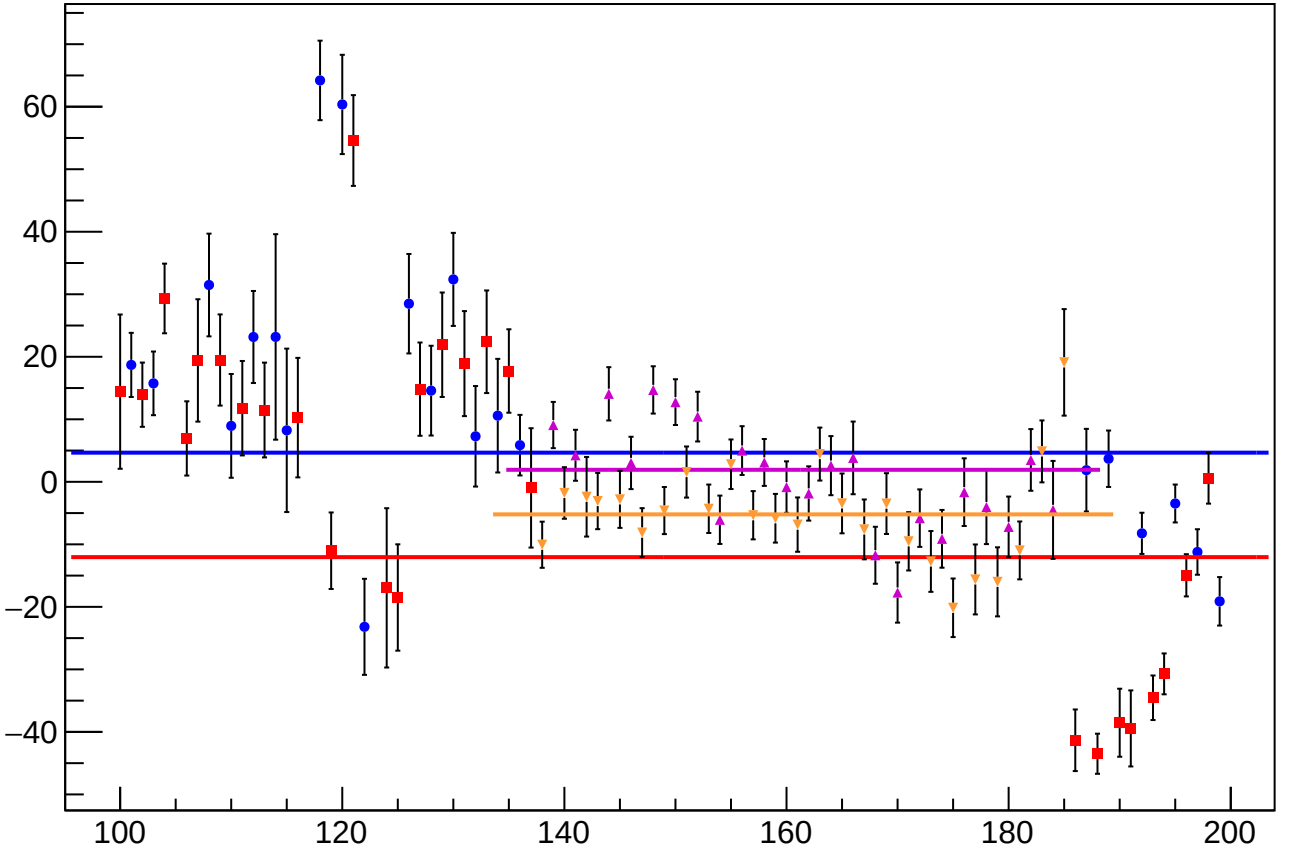
In: 26.626+/-14.702 χ^2/NDF:52.6/44

Out: -20.602+/-14.024 χ^2/NDF:73.6/51

All: 1.897+/-10.148 χ^2/NDF: 131.6/96


diff_bpm0r05X_rms vs Slug, Sign Corrected
×10^3
120
110
100
90
80
70
60
100
120
140
160
180
200
Right In: 69937.715+/-14.754 χ²/NDF: 512460.5/21
Left Out: 88417.953+/-14.312 χ²/NDF:481954.0/24
Right Out: 68789.465+/-13.752 χ²/NDF: 521359.4/26
Left In: 88023.592+/-14.651 χ²/NDF:484812.2/22
Left: 88225.391+/-10.238 χ²/NDF: 967137.0/47
Right: 69323.288+/-10.060 χ²/NDF: 1037061.1/48
In: 79043.773+/-10.396 χ²/NDF:1753873.2/44
Out: 78212.292+/-9.916 χ²/NDF:1981309.9/51
All: 78608.401+/-7.175 χ²/NDF: 3738532.6/9

diff_bpm0r05Y_mean vs Slug, Sign Corrected



Right In: 4.665+/-1.170 χ^2/NDF: 285.7/21

Left Out: -5.206+/-0.894 χ^2/NDF:51.0/24

Right Out: -12.046+/-1.078 χ^2/NDF: 575.0/26

Left In: 1.924+/-0.916 χ^2/NDF:83.2/22

Left: -1.729+/-0.640 χ^2/NDF: 165.2/47

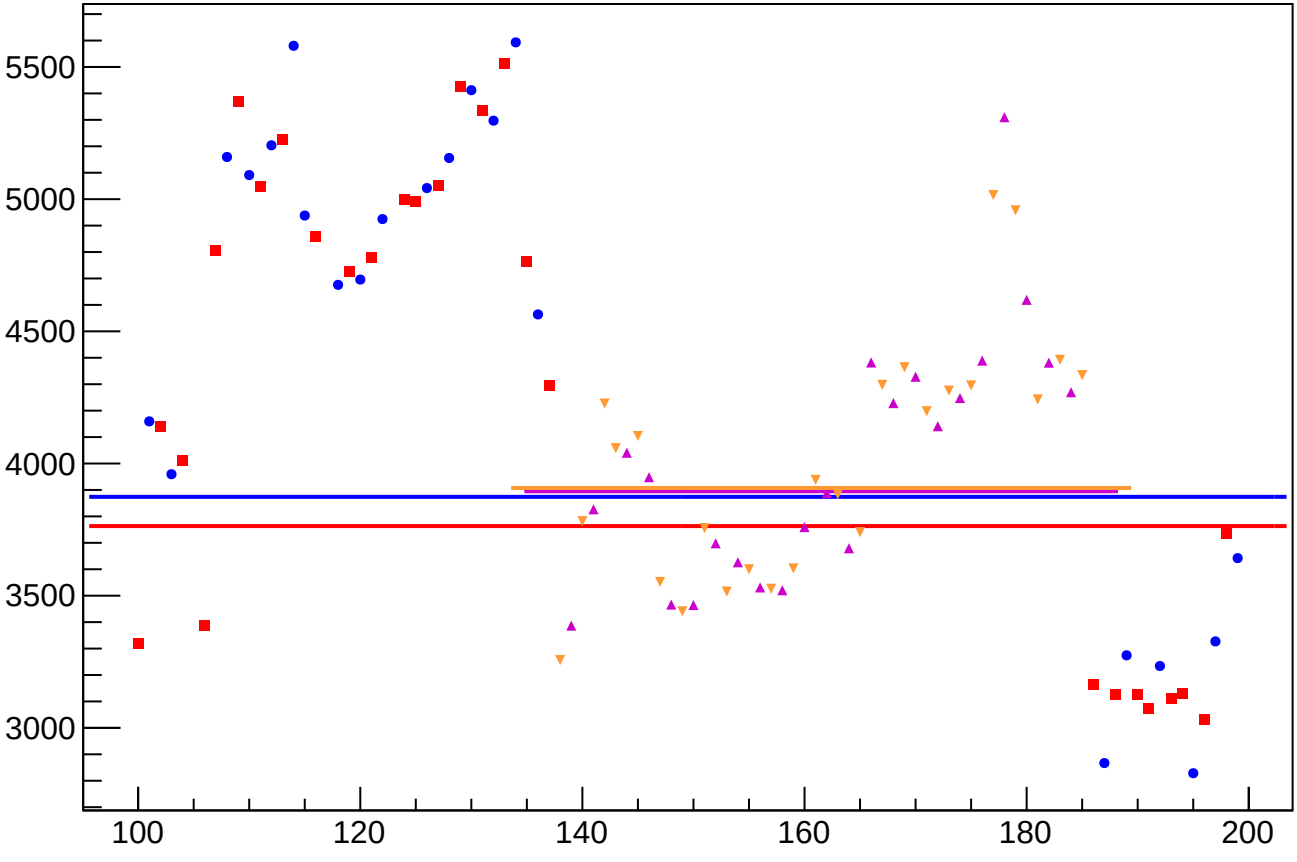
Right: -4.377+/-0.793 χ^2/NDF: 970.9/48

In: 2.965+/-0.721 χ^2/NDF:372.3/44

Out: -7.993+/-0.688 χ^2/NDF:649.8/51

All: -2.773+/-0.498 χ^2/NDF: 1142.9/96

diff_bpm0r05Y_rms vs Slug, Sign Corrected



Right In: 3873.938+/-0.828 χ^2/NDF: 1104181.5/21

Left Out: 3907.465+/-0.632 χ^2/NDF:441202.5/24

Right Out: 3763.299+/-0.762 χ^2/NDF: 1201037.5/26

Left In: 3895.108+/-0.648 χ^2/NDF:409913.9/22

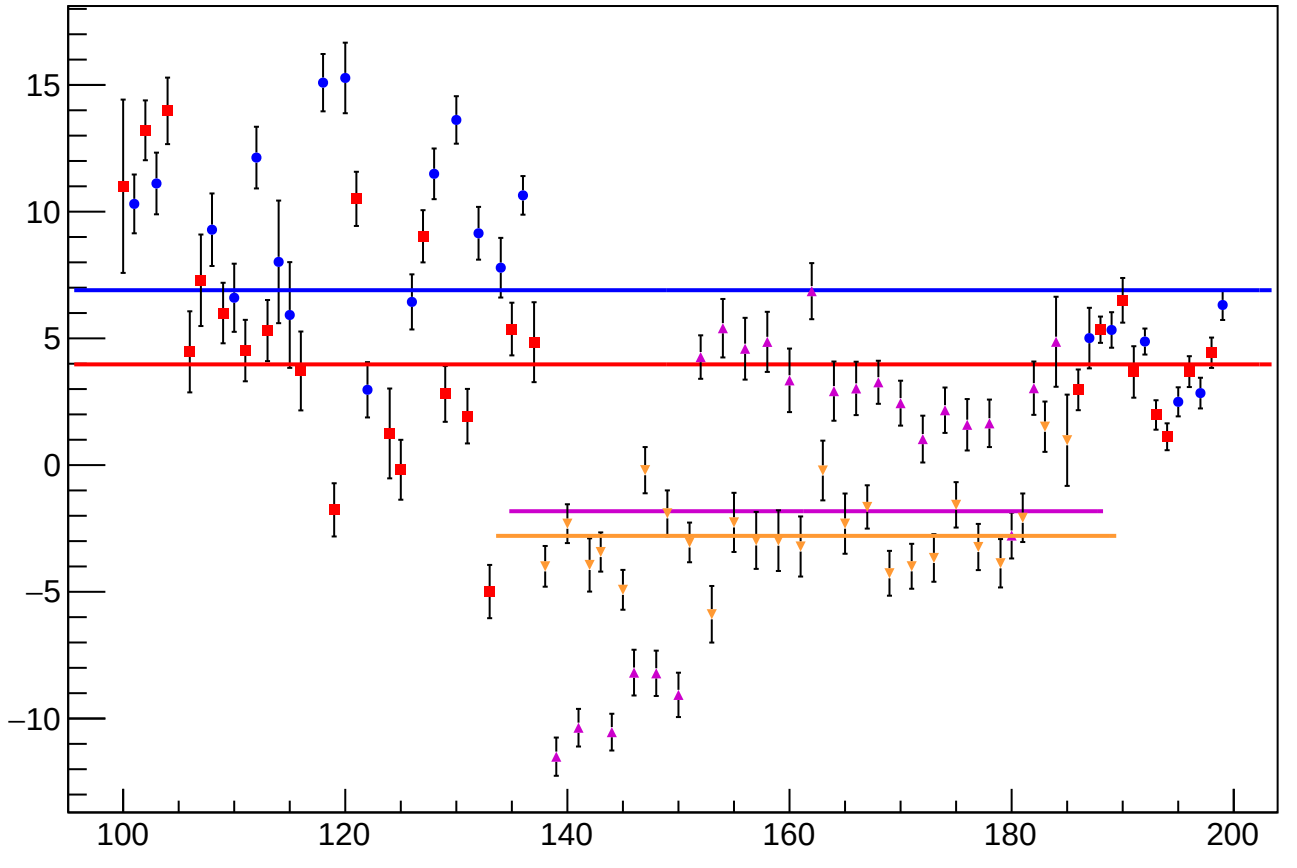
Left: 3901.439+/-0.452 χ^2/NDF: 851302.8/47

Right: 3814.074+/-0.561 χ^2/NDF: 2314889.0/48

In: 3887.063+/-0.510 χ^2/NDF:1514501.1/44

Out: 3848.724+/-0.487 χ^2/NDF:1663438.9/51

All: 3866.985+/-0.352 χ^2/NDF: 3180897.7/96



Right In: 6.901+/-0.192 χ^2/NDF: 373.8/21

Left Out: -2.792+/-0.190 χ^2/NDF:68.4/24

Right Out: 3.974+/-0.177 χ^2/NDF: 375.4/26

Left In: -1.820+/-0.198 χ^2/NDF:1026.0/22

Left: -2.327+/-0.137 χ^2/NDF: 1107.0/47

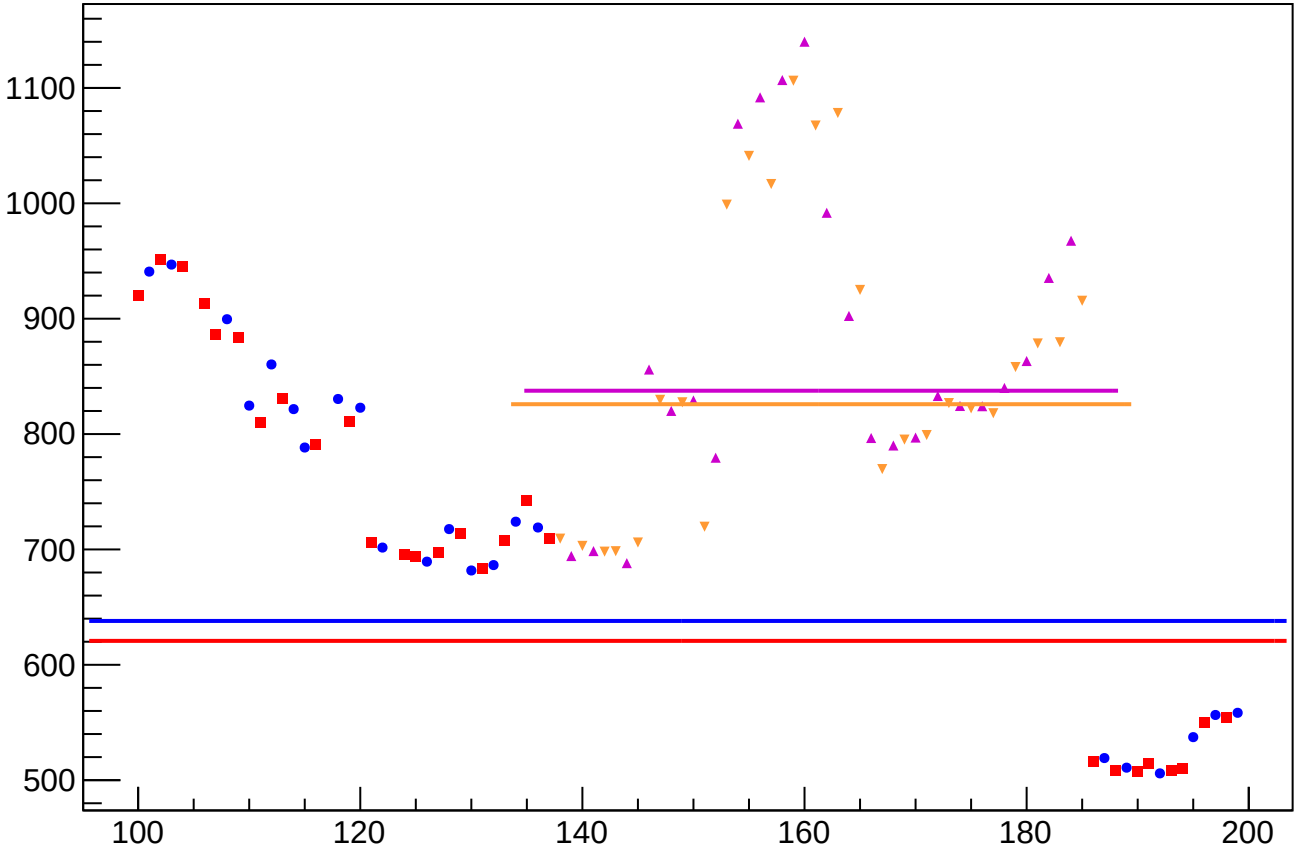
Right: 5.323+/-0.130 χ^2/NDF: 874.7/48

In: 2.682+/-0.138 χ^2/NDF:2399.6/44

Out: 0.824+/-0.130 χ^2/NDF:1121.2/51

All: 1.696+/-0.094 χ^2/NDF: 3617.2/96

diff_bpm2i01X_rms vs Slug, Sign Corrected



Right In: 638.021+/-0.136 χ^2/NDF: 970136.9/21

Left Out: 825.883+/-0.134 χ^2/NDF:765050.9/24

Right Out: 620.742+/-0.125 χ^2/NDF: 1201086.8/26

Left In: 837.569+/-0.140 χ^2/NDF:714157.0/22

Left: 831.482+/-0.097 χ^2/NDF: 1482830.3/47

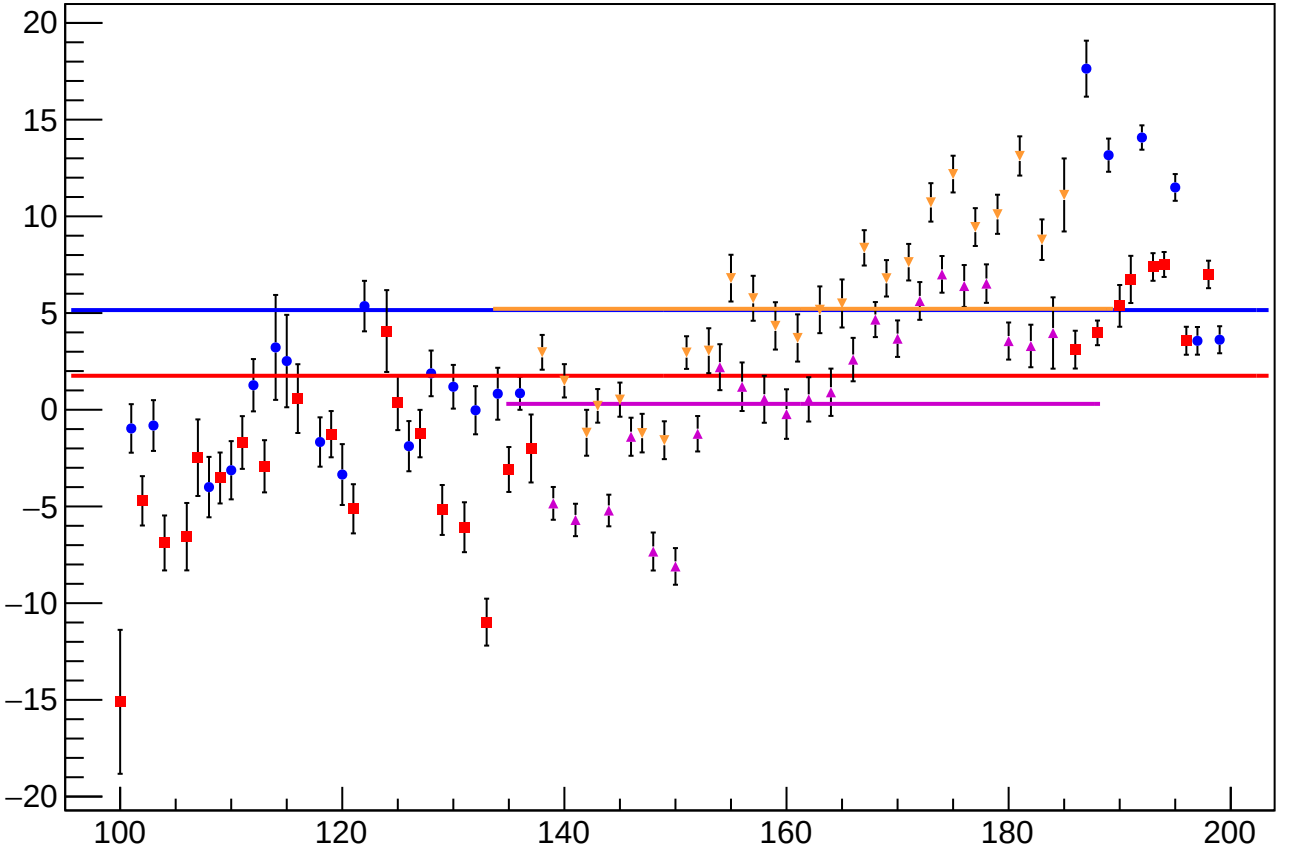
Right: 628.706+/-0.092 χ^2/NDF: 2179970.8/48

In: 734.554+/-0.097 χ^2/NDF:2731211.2/44

Out: 716.241+/-0.092 χ^2/NDF:3211305.9/51

All: 724.841+/-0.067 χ^2/NDF: 5961244.7/96

diff_bpm2i01Y_mean vs Slug, Sign Corrected



Right In: 5.154+/-0.226 χ^2/NDF: 735.2/21

Left Out: 5.219+/-0.204 χ^2/NDF:449.9/24

Right Out: 1.757+/-0.210 χ^2/NDF: 631.5/26

Left In: 0.304+/-0.213 χ^2/NDF:495.2/22

Left: 2.859+/-0.147 χ^2/NDF: 1222.8/47

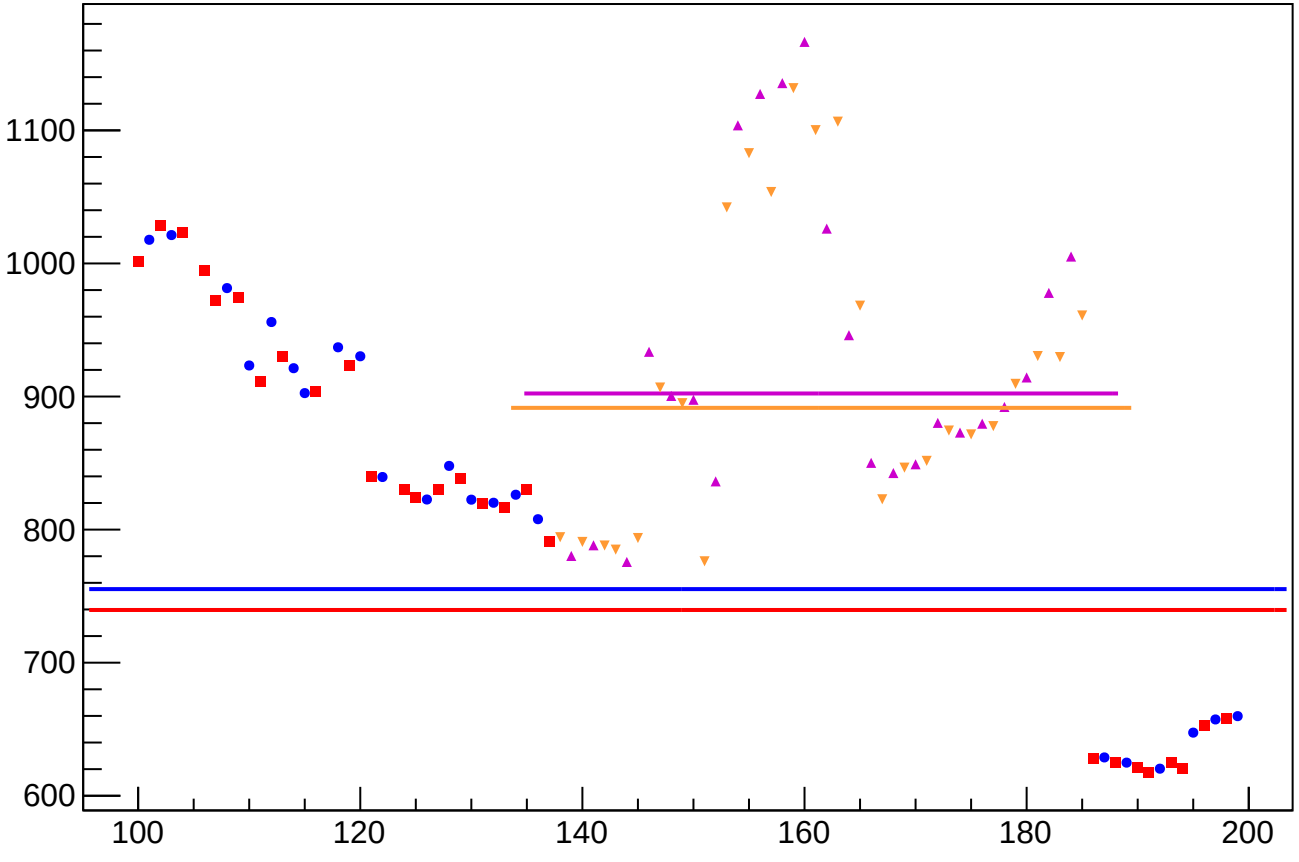
Right: 3.332+/-0.154 χ^2/NDF: 1488.2/48

In: 2.585+/-0.155 χ^2/NDF:1475.0/44

Out: 3.534+/-0.146 χ^2/NDF:1221.1/51

All: 3.086+/-0.106 χ^2/NDF: 2715.9/96

diff_bpm2i01Y_rms vs Slug, Sign Corrected



Right In: 755.291+/-0.160 χ^2/NDF: 689239.1/21

Left Out: 891.492+/-0.145 χ^2/NDF:517791.6/24

Right Out: 739.604+/-0.148 χ^2/NDF: 848121.5/26

Left In: 902.292+/-0.150 χ^2/NDF:484924.8/22

Left: 896.677+/-0.104 χ^2/NDF: 1005398.0/47

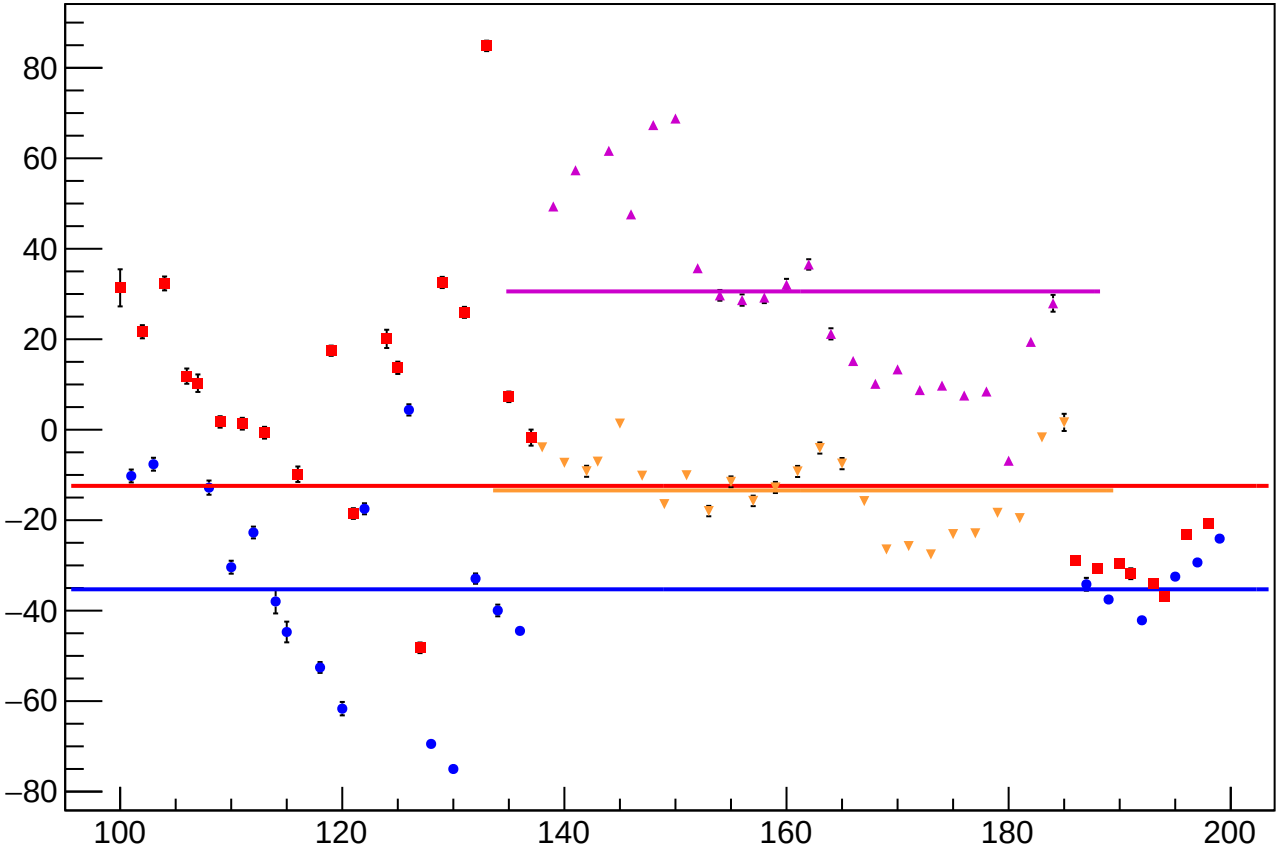
Right: 746.879+/-0.109 χ^2/NDF: 1542542.8/48

In: 833.155+/-0.109 χ^2/NDF:1623623.8/44

Out: 817.565+/-0.104 χ^2/NDF:1903586.6/51

All: 824.928+/-0.075 χ^2/NDF: 3537919.2/96

diff_bpm2i02X_mean vs Slug, Sign Corrected



Right In: -35.284+/-0.221 χ^2/NDF: 5700.6/21

Left Out: -13.420+/-0.206 χ^2/NDF:1663.3/24

Right Out: -12.416+/-0.205 χ^2/NDF: 18742.2/26

Left In: 30.571+/-0.215 χ^2/NDF:10386.5/22

Left: 7.613+/-0.149 χ^2/NDF: 33863.7/47

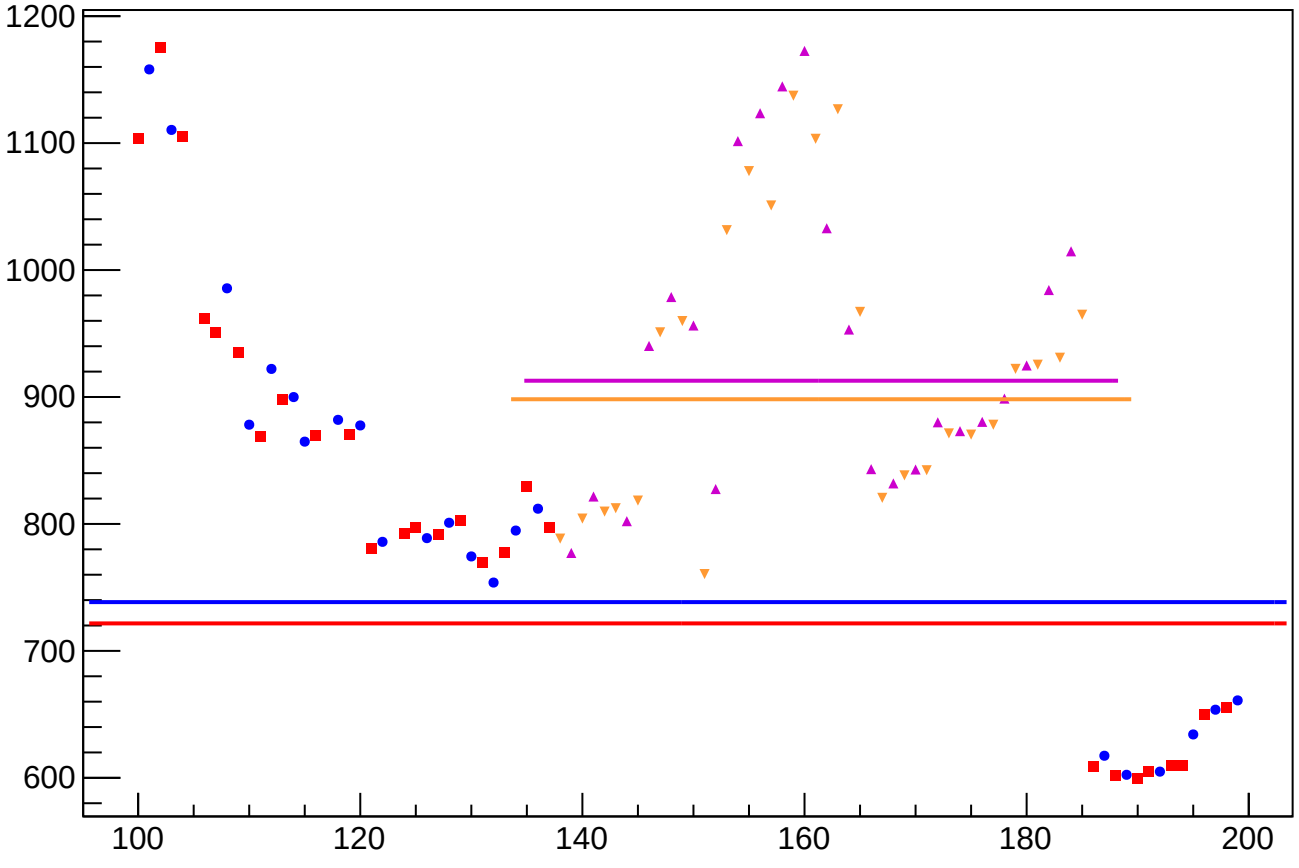
Right: -22.996+/-0.150 χ^2/NDF: 30194.1/48

In: -1.472+/-0.154 χ^2/NDF:61664.1/44

Out: -12.916+/-0.145 χ^2/NDF:20417.5/51

All: -7.532+/-0.106 χ^2/NDF: 84999.1/96

diff_bpm2i02X_rms vs Slug, Sign Corrected



Right In: 738.428+/-0.156 χ^2/NDF: 773717.4/21

Left Out: 898.227+/-0.146 χ^2/NDF:518370.6/24

Right Out: 721.653+/-0.145 χ^2/NDF: 934852.5/26

Left In: 912.817+/-0.152 χ^2/NDF:480021.0/22

Left: 905.203+/-0.105 χ^2/NDF: 1003190.0/47

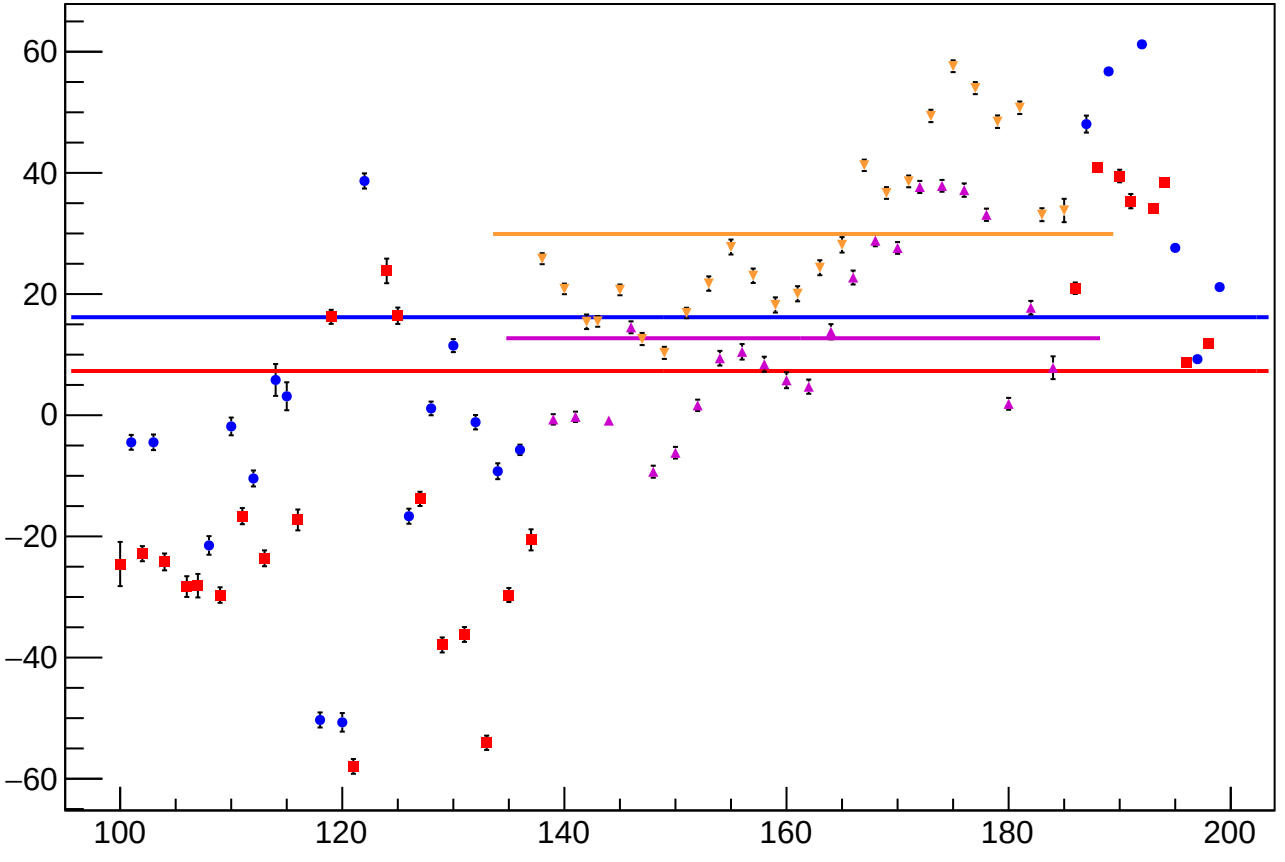
Right: 729.414+/-0.106 χ^2/NDF: 1714760.4/48

In: 827.965+/-0.109 χ^2/NDF:1892928.0/44

Out: 809.575+/-0.103 χ^2/NDF:2191318.7/51

All: 818.227+/-0.075 χ^2/NDF: 4099313.7/96

diff_bpm2i02Y_mean vs Slug, Sign Corrected



Right In: 16.179+/-0.219 χ^2/NDF: 17827.3/21

Left Out: 29.922+/-0.209 χ^2/NDF:4580.4/24

Right Out: 7.299+/-0.203 χ^2/NDF: 22549.9/26

Left In: 12.708+/-0.217 χ^2/NDF:4791.2/22

Left: 21.661+/-0.150 χ^2/NDF: 12640.8/47

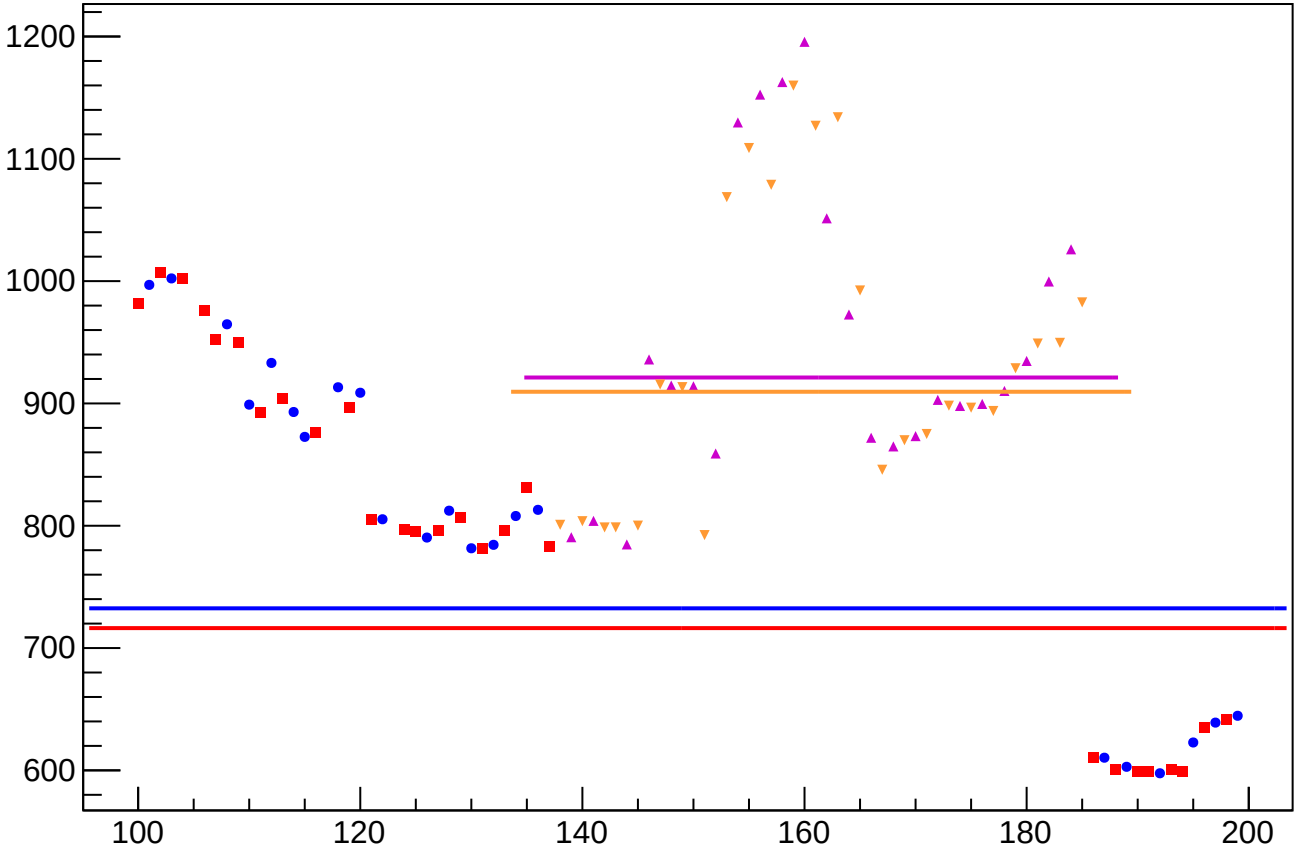
Right: 11.411+/-0.149 χ^2/NDF: 41260.1/48

In: 14.429+/-0.154 χ^2/NDF:22745.2/44

Out: 18.325+/-0.146 χ^2/NDF:33161.6/51

All: 16.489+/-0.106 χ^2/NDF: 56244.4/96

diff_bpm2i02Y_rms vs Slug, Sign Corrected



Right In: 732.480+/-0.155 χ^2/NDF: 721273.5/21

Left Out: 909.552+/-0.147 χ^2/NDF:541710.0/24

Right Out: 716.304+/-0.144 χ^2/NDF: 883538.4/26

Left In: 921.198+/-0.154 χ^2/NDF:497337.0/22

Left: 915.140+/-0.106 χ^2/NDF: 1042039.9/47

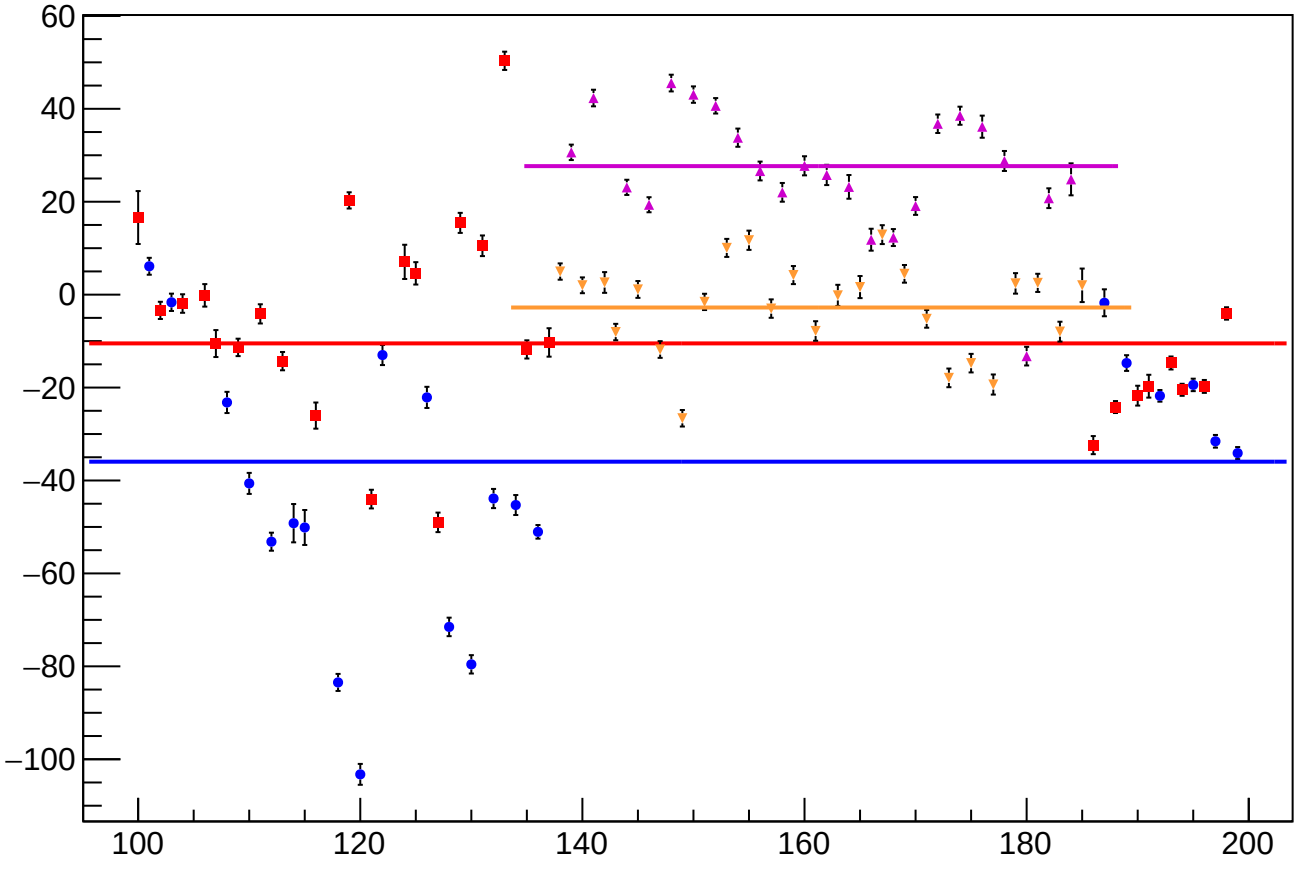
Right: 723.794+/-0.105 χ^2/NDF: 1610671.8/48

In: 827.644+/-0.109 χ^2/NDF:1967607.2/44

Out: 810.490+/-0.103 χ^2/NDF:2305485.0/51

All: 818.576+/-0.075 χ^2/NDF: 4286177.6/96

diff_bpm0i02X_mean vs Slug, Sign Corrected



Right In: -35.953+/-0.393 χ^2/NDF: 4262.3/21

Left Out: -2.767+/-0.397 χ^2/NDF:616.1/24

Right Out: -10.492+/-0.370 χ^2/NDF: 2712.8/26

Left In: 27.663+/-0.409 χ^2/NDF:989.9/22

Left: 12.021+/-0.285 χ^2/NDF: 4455.3/47

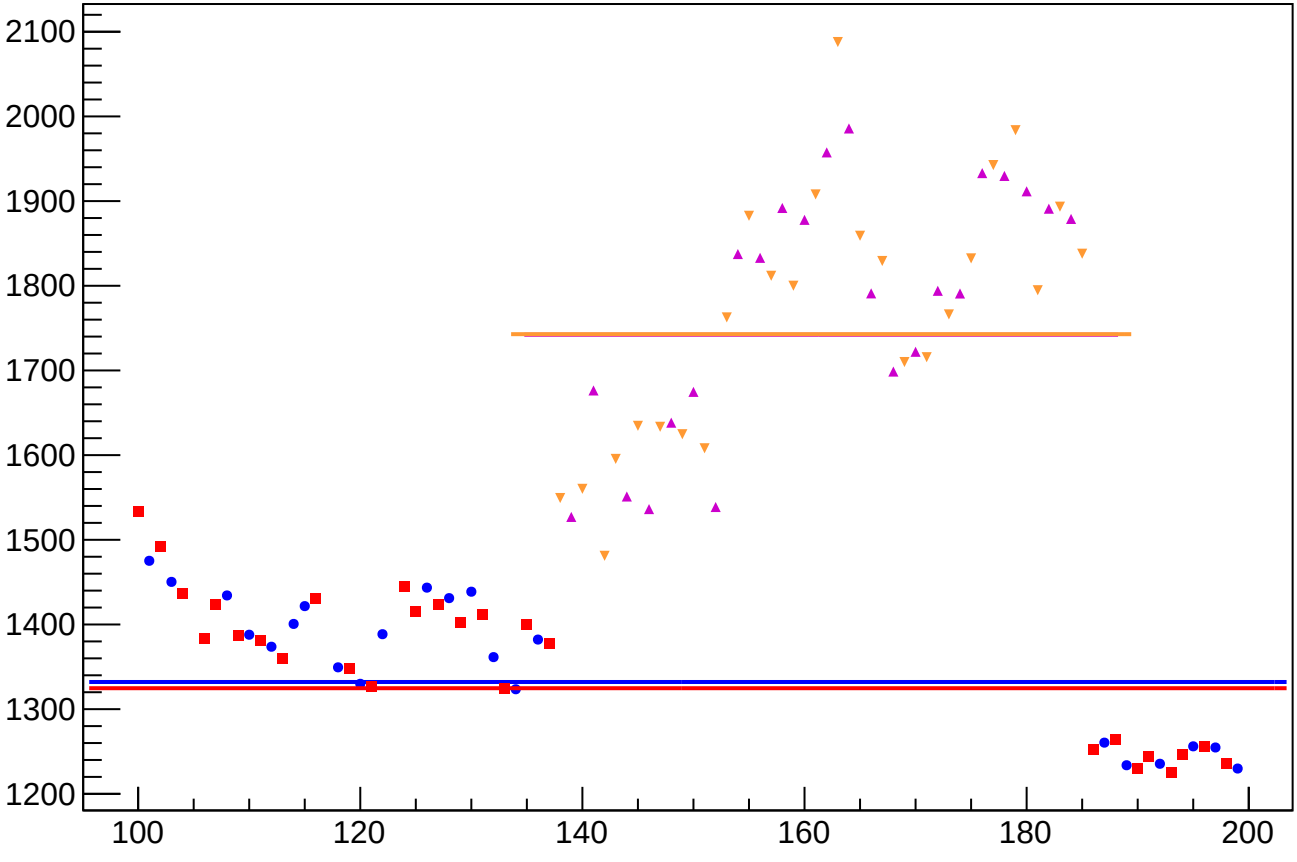
Right: -22.475+/-0.269 χ^2/NDF: 9200.6/48

In: -5.418+/-0.283 χ^2/NDF:17849.4/44

Out: -6.903+/-0.271 χ^2/NDF:3531.2/51

All: -6.193+/-0.196 χ^2/NDF: 21395.0/96

diff_bpm0i02X_rms vs Slug, Sign Corrected



Right In: 1332.090+/-0.278 χ^2/NDF: 93114.7/21

Left Out: 1742.842+/-0.281 χ^2/NDF:263118.4/24

Right Out: 1324.741+/-0.262 χ^2/NDF: 99544.8/26

Left In: 1742.153+/-0.289 χ^2/NDF:261606.6/22

Left: 1742.507+/-0.201 χ^2/NDF: 524727.9/47

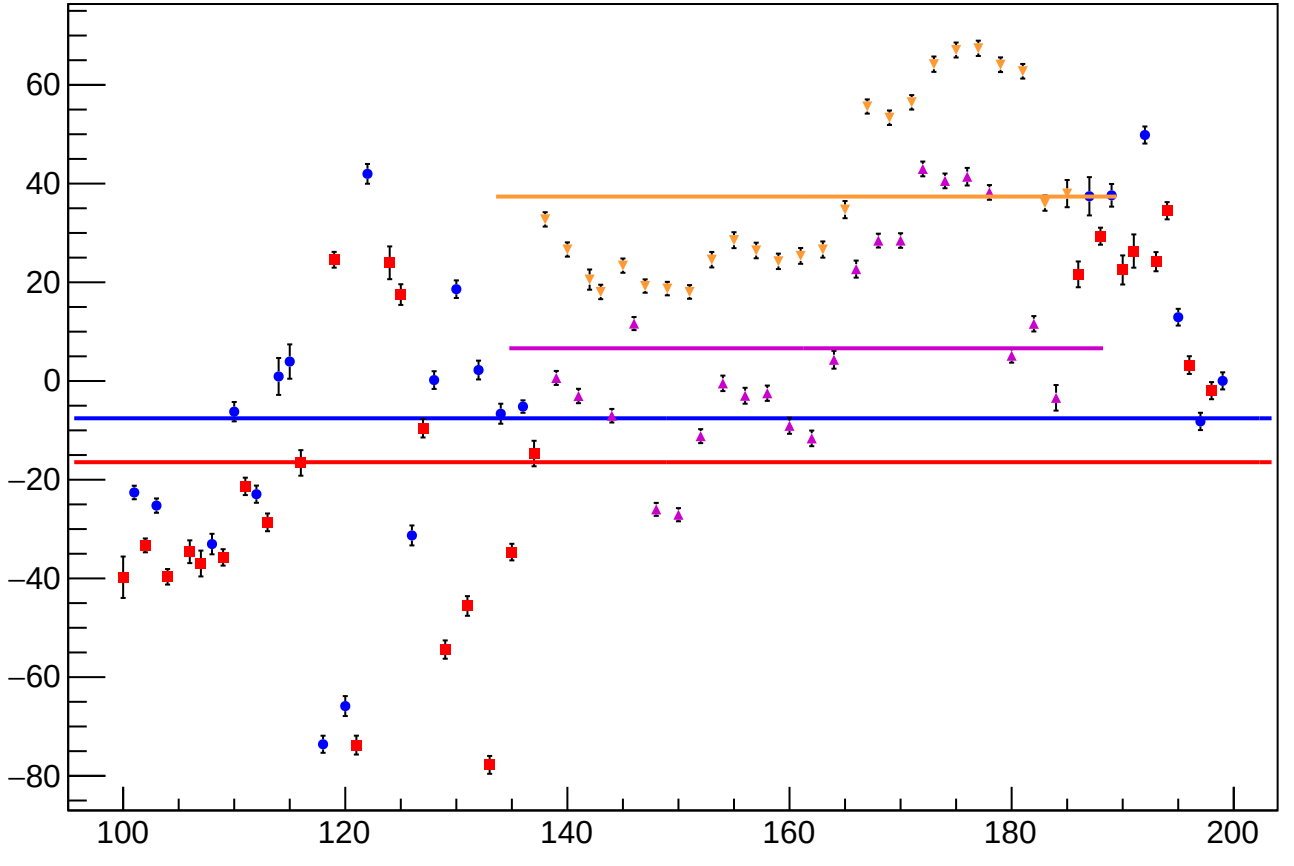
Right: 1328.199+/-0.190 χ^2/NDF: 193030.3/48

In: 1528.918+/-0.200 χ^2/NDF:1401549.2/44

Out: 1519.020+/-0.192 χ^2/NDF:1547714.0/51

All: 1523.750+/-0.138 χ^2/NDF: 2950539.2/96

diff_bpm0i02Y_mean vs Slug, Sign Corrected



Right In: -7.554+/-0.395 χ^2/NDF: 5599.0/21

Left Out: 37.369+/-0.308 χ^2/NDF:3395.8/24

Right Out: -16.450+/-0.378 χ^2/NDF: 7315.2/26

Left In: 6.631+/-0.316 χ^2/NDF:4410.3/22

Left: 22.404+/-0.221 χ^2/NDF: 12659.0/47

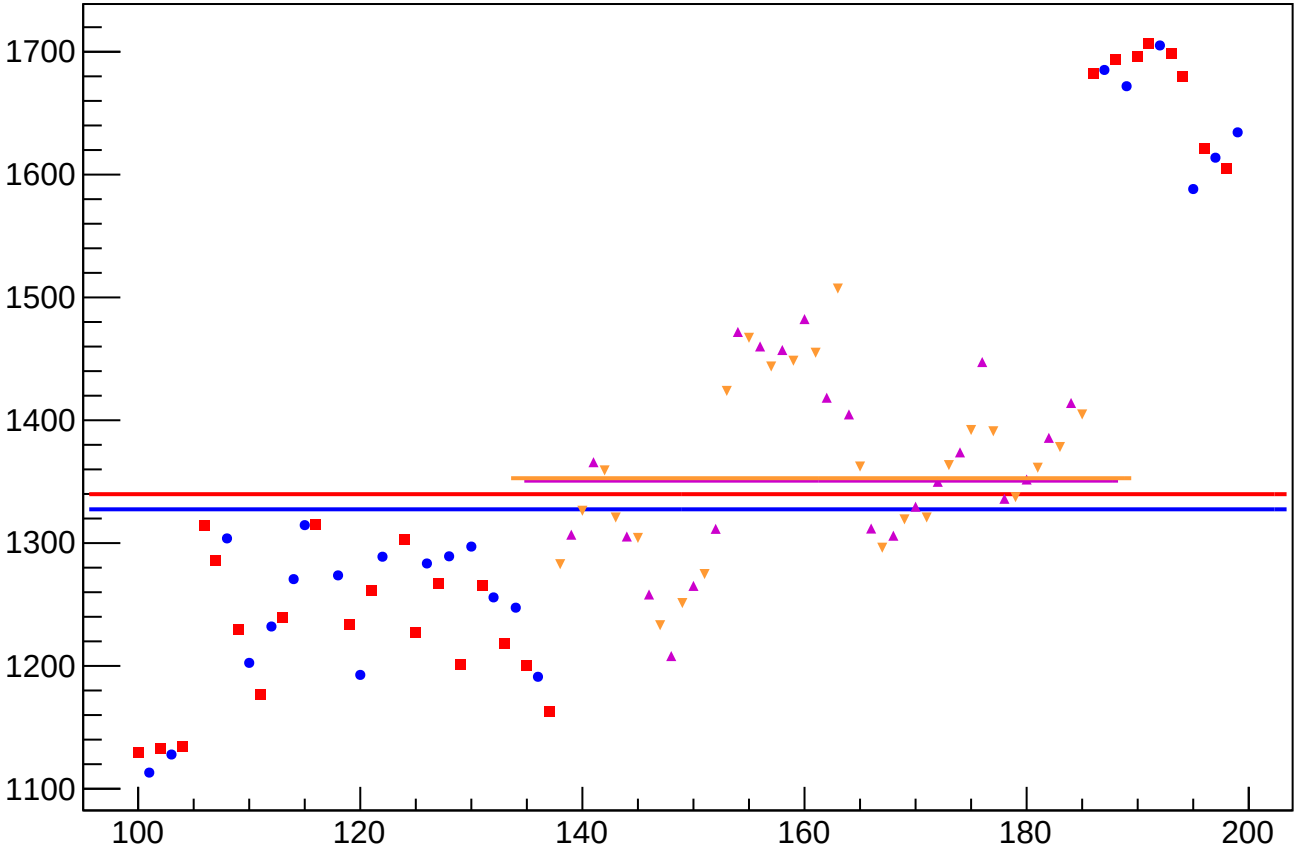
Right: -12.190+/-0.273 χ^2/NDF: 13179.0/48

In: 1.088+/-0.247 χ^2/NDF:10796.5/44

Out: 15.929+/-0.239 χ^2/NDF:22884.7/51

All: 8.751+/-0.172 χ^2/NDF: 35549.5/96

diff_bpm0i02Y_rms vs Slug, Sign Corrected



Right In: 1327.497+/-0.279 χ^2/NDF: 465258.0/21

Left Out: 1352.820+/-0.218 χ^2/NDF:104845.3/24

Right Out: 1339.829+/-0.268 χ^2/NDF: 594633.3/26

Left In: 1350.830+/-0.223 χ^2/NDF:108618.5/22

Left: 1351.851+/-0.156 χ^2/NDF: 213504.5/47

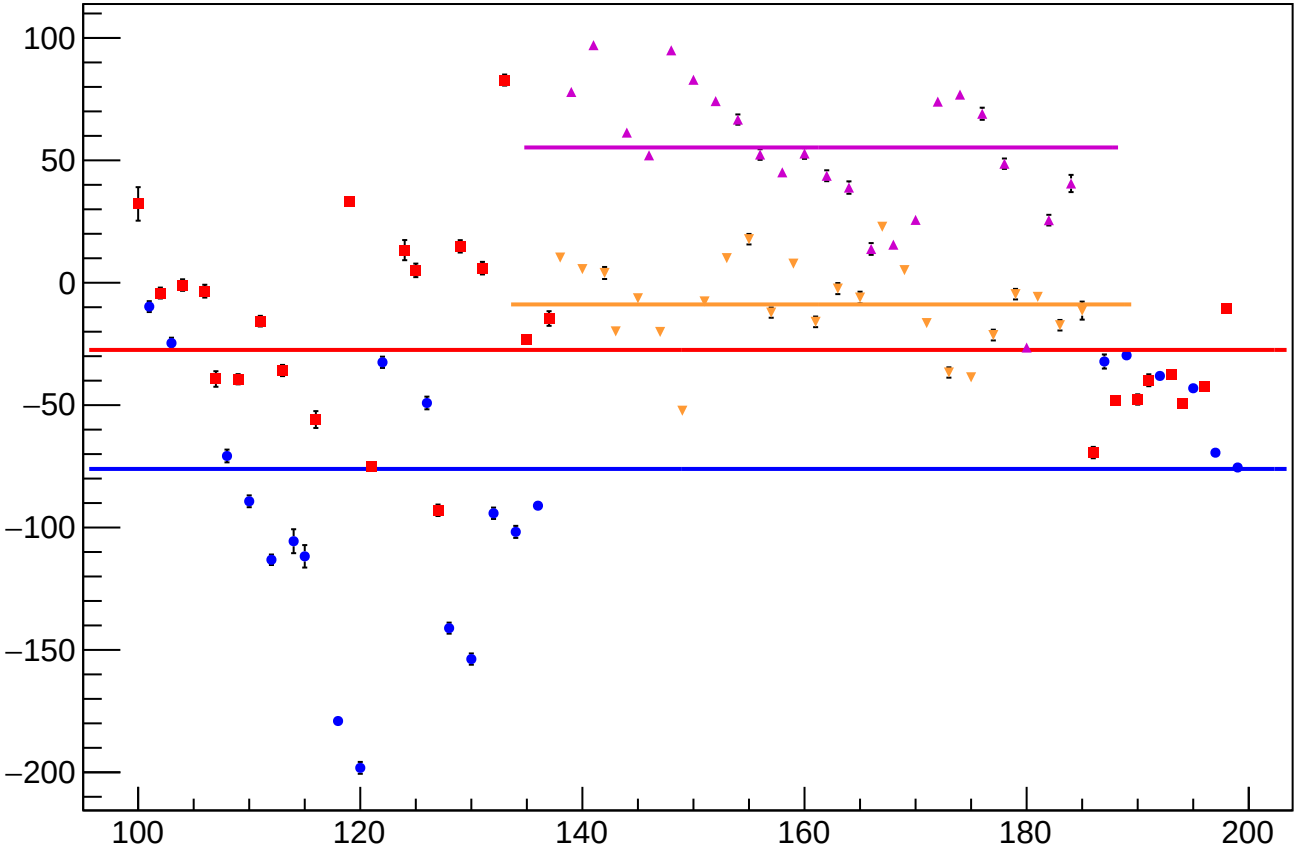
Right: 1333.924+/-0.193 χ^2/NDF: 1060908.8/48

In: 1341.712+/-0.174 χ^2/NDF:578135.1/44

Out: 1347.645+/-0.169 χ^2/NDF:700897.3/51

All: 1344.775+/-0.121 χ^2/NDF: 1279629.5/96

diff_bpm0i02aX_mean vs Slug, Sign Corrected



Right In: -76.063+/-0.431 χ^2/NDF: 12088.3/21

Left Out: -8.859+/-0.407 χ^2/NDF:1953.2/24

Right Out: -27.444+/-0.402 χ^2/NDF: 7156.7/26

Left In: 55.266+/-0.420 χ^2/NDF:4736.1/22

Left: 22.173+/-0.293 χ^2/NDF: 18692.1/47

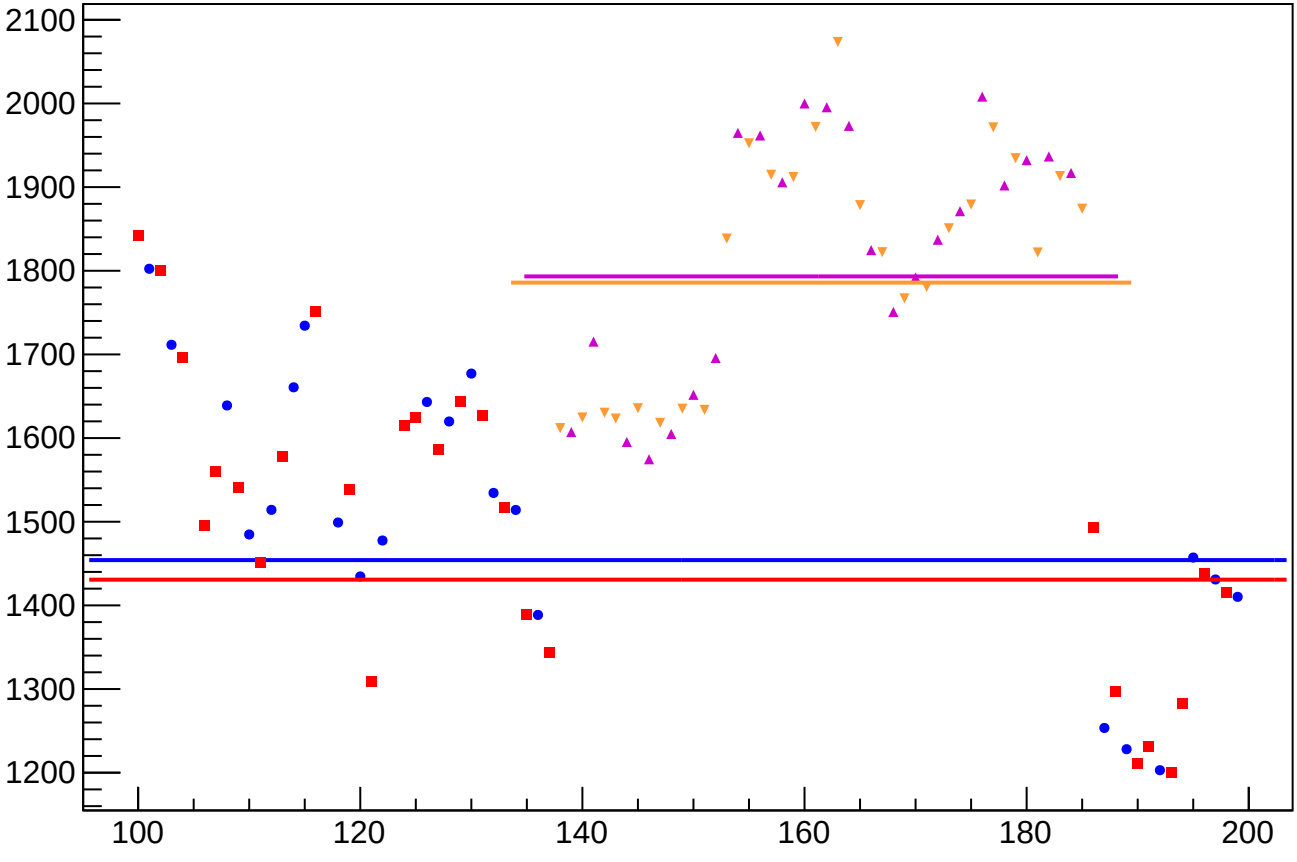
Right: -50.083+/-0.294 χ^2/NDF: 26059.9/48

In: -8.849+/-0.301 χ^2/NDF:64449.4/44

Out: -18.273+/-0.286 χ^2/NDF:10165.1/51

All: -13.798+/-0.207 χ^2/NDF: 75130.1/96

diff_bpm0i02aX_rms vs Slug, Sign Corrected



Right In: 1454.130+/-0.304 χ^2/NDF: 280909.1/21

Left Out: 1785.836+/-0.288 χ^2/NDF:237239.4/24

Right Out: 1430.724+/-0.284 χ^2/NDF: 329821.1/26

Left In: 1793.249+/-0.297 χ^2/NDF:252788.2/22

Left: 1789.423+/-0.207 χ^2/NDF: 490348.4/47

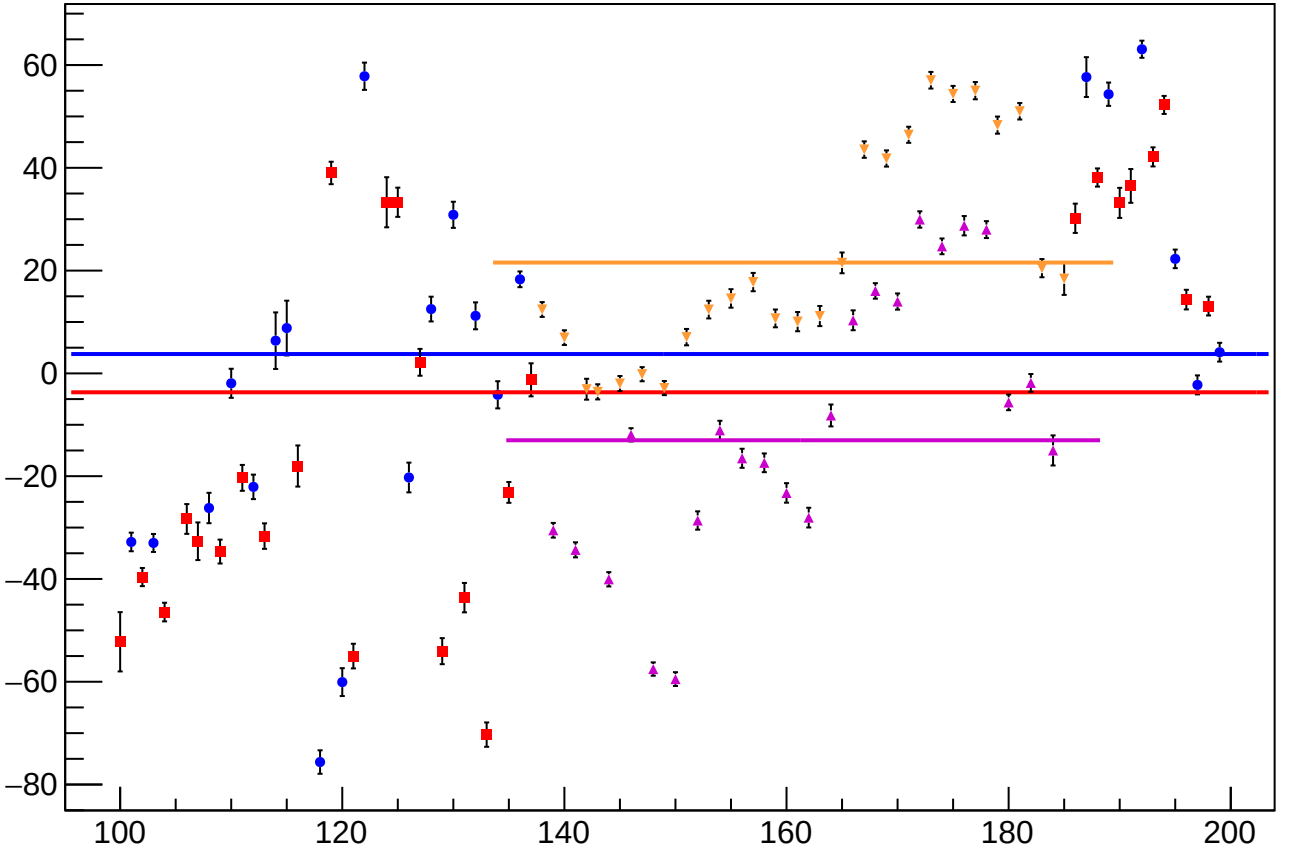
Right: 1441.623+/-0.208 χ^2/NDF: 613889.1/48

In: 1627.691+/-0.213 χ^2/NDF:1168798.9/44

Out: 1605.957+/-0.202 χ^2/NDF:1337621.7/51

All: 1616.277+/-0.147 χ^2/NDF: 2511903.7/96

diff_bpm0i02aY_mean vs Slug, Sign Corrected



Right In: 3.765+/-0.484 χ^2/NDF: 5626.5/21

Left Out: 21.567+/-0.330 χ^2/NDF:4160.8/24

Right Out: -3.677+/-0.459 χ^2/NDF: 6889.5/26

Left In: -13.014+/-0.340 χ^2/NDF:6627.2/22

Left: 4.798+/-0.237 χ^2/NDF: 16115.3/47

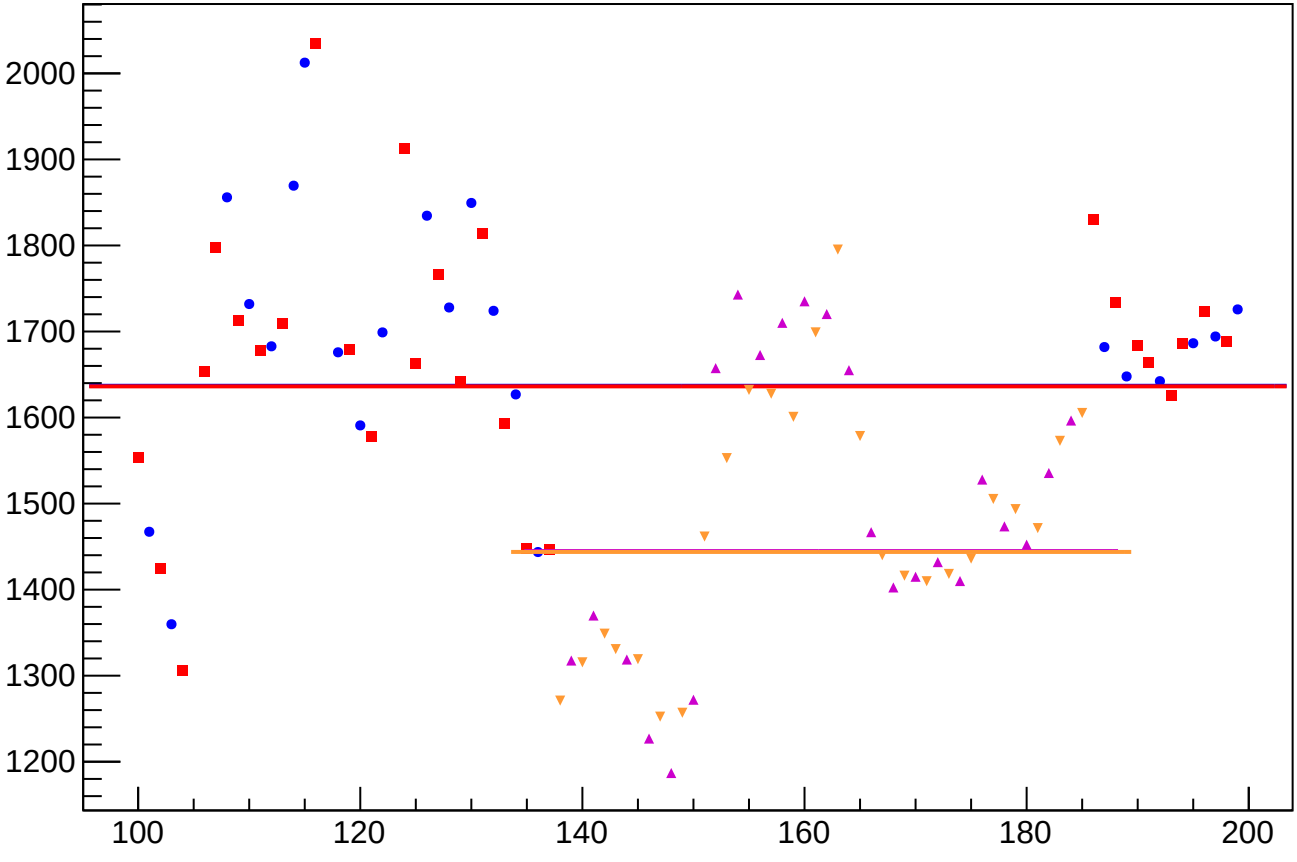
Right: -0.155+/-0.333 χ^2/NDF: 12640.5/48

In: -7.470+/-0.278 χ^2/NDF:13058.2/44

Out: 12.963+/-0.268 χ^2/NDF:13045.7/51

All: 3.135+/-0.193 χ^2/NDF: 28902.8/96

diff_bpm0i02aY_rms vs Slug, Sign Corrected



Right In: 1636.929+/-0.342 χ^2/NDF: 166304.7/21

Left Out: 1443.826+/-0.233 χ^2/NDF:352397.9/24

Right Out: 1636.242+/-0.324 χ^2/NDF: 193435.2/26

Left In: 1444.817+/-0.240 χ^2/NDF:485230.7/22

Left: 1444.307+/-0.167 χ^2/NDF: 837637.3/47

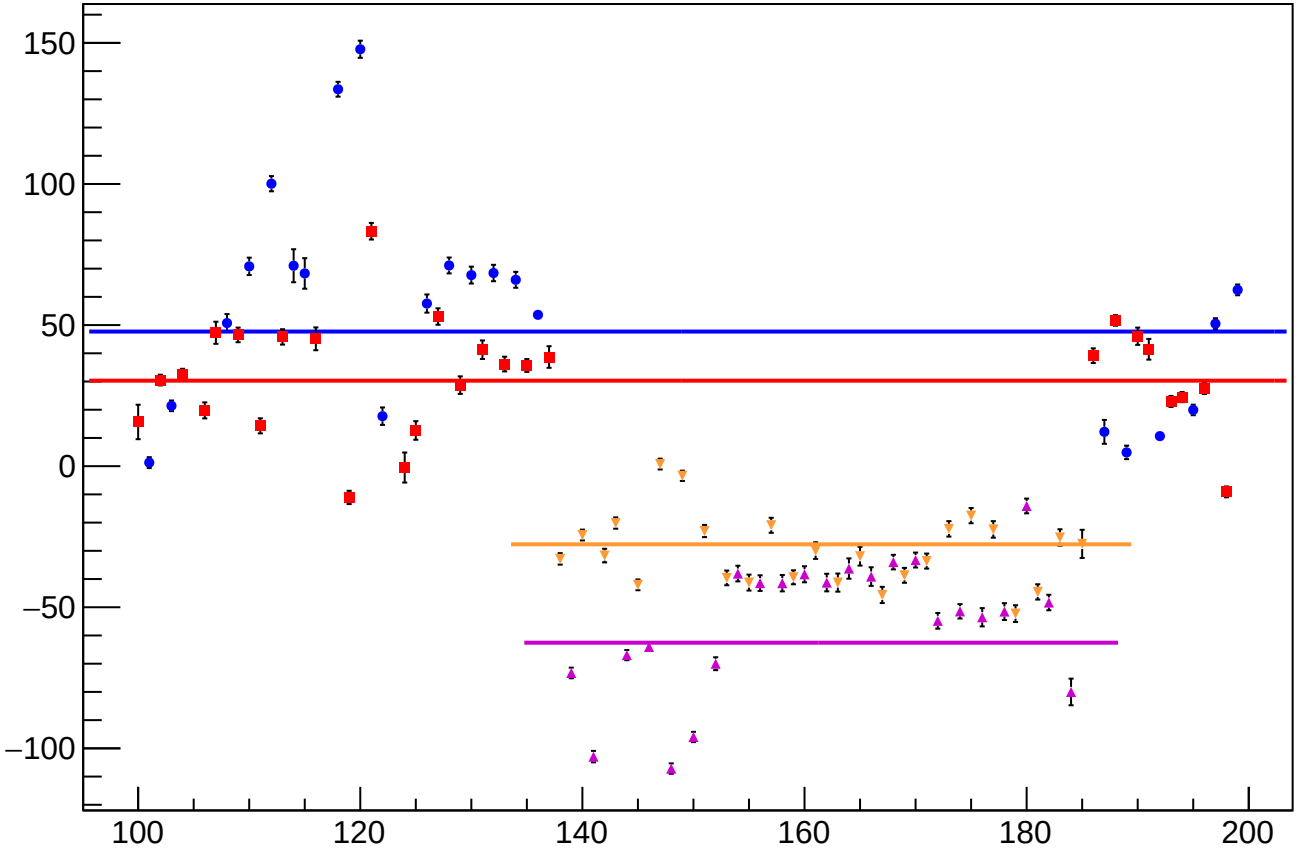
Right: 1636.567+/-0.235 χ^2/NDF: 359742.0/48

In: 1508.297+/-0.197 χ^2/NDF:862486.3/44

Out: 1509.404+/-0.189 χ^2/NDF:777685.7/51

All: 1508.871+/-0.136 χ^2/NDF: 1640188.5/96

diff_bpm0i05X_mean vs Slug, Sign Corrected



Right In: 47.707+/-0.528 χ^2/NDF: 4825.3/21

Left Out: -27.692+/-0.496 χ^2/NDF:766.1/24

Right Out: 30.301+/-0.495 χ^2/NDF: 1564.9/26

Left In: -62.558+/-0.512 χ^2/NDF:2458.2/22

Left: -44.581+/-0.356 χ^2/NDF: 5617.4/47

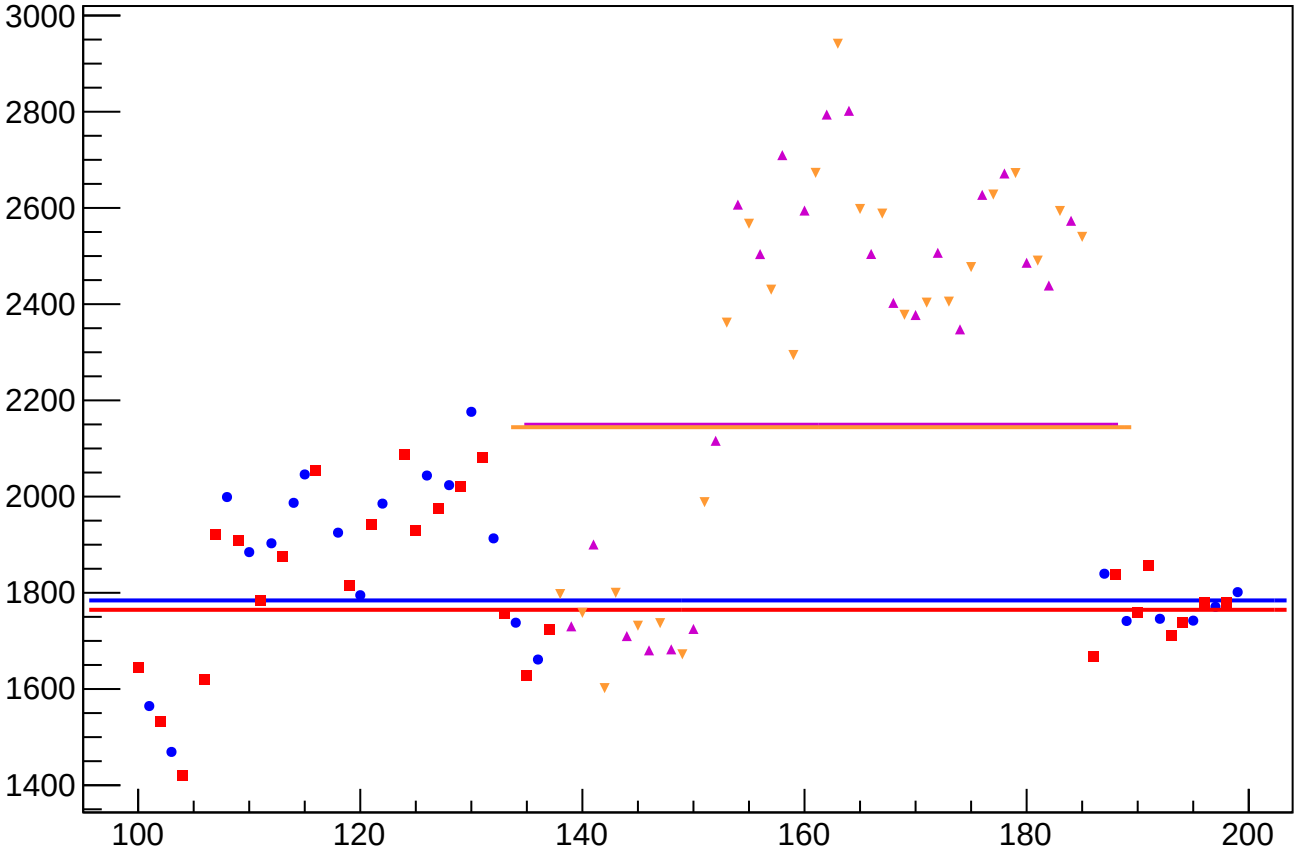
Right: 38.442+/-0.361 χ^2/NDF: 6969.3/48

In: -9.119+/-0.367 χ^2/NDF:29783.2/44

Out: 1.386+/-0.350 χ^2/NDF:9184.8/51

All: -3.616+/-0.254 χ^2/NDF: 39396.3/96

diff_bpm0i05X_rms vs Slug, Sign Corrected



Right In: 1784.162+/-0.373 χ^2/NDF: 197031.7/21

Left Out: 2144.219+/-0.351 χ^2/NDF:1279852.9/24

Right Out: 1764.649+/-0.350 χ^2/NDF: 199195.0/26

Left In: 2149.354+/-0.362 χ^2/NDF:1265722.5/22

Left: 2146.707+/-0.252 χ^2/NDF: 2545679.2/47

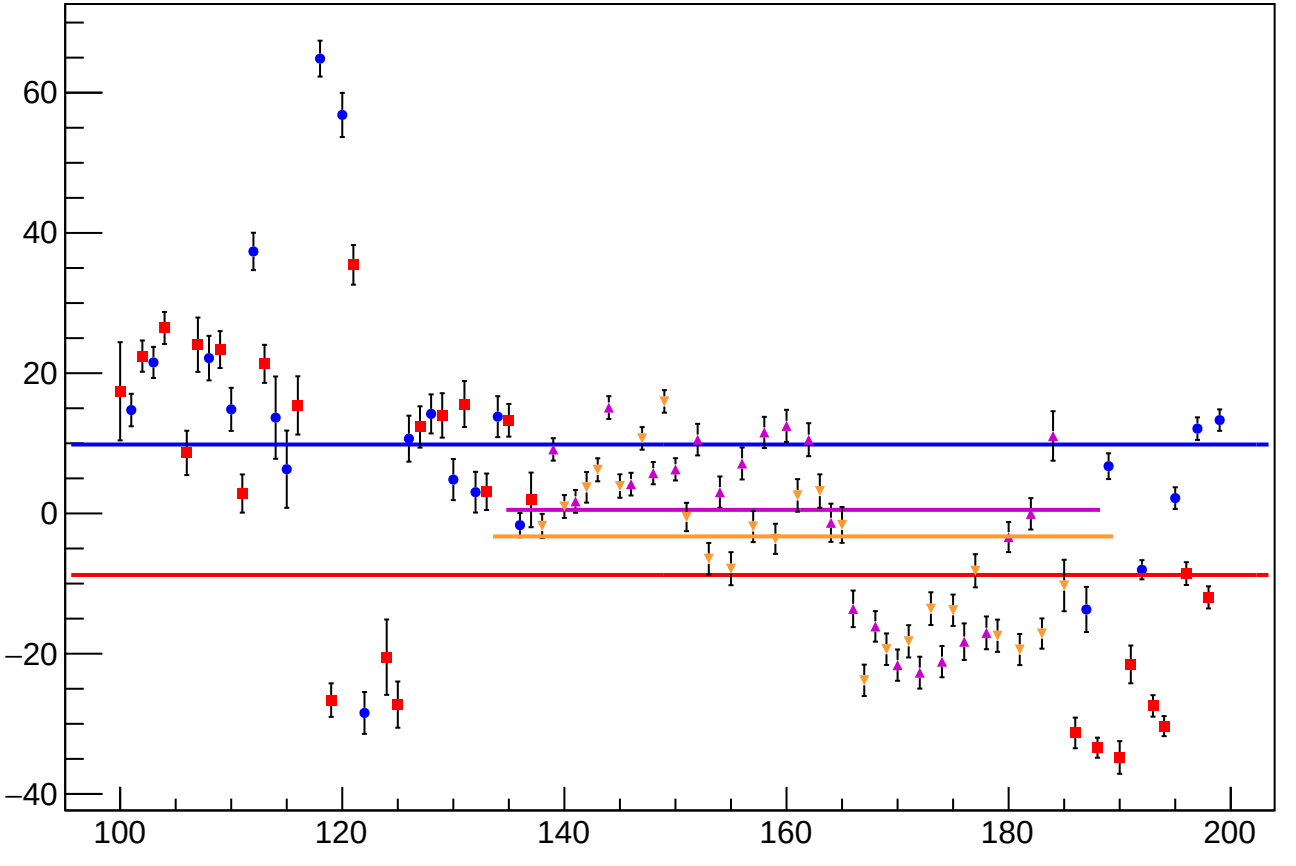
Right: 1773.775+/-0.255 χ^2/NDF: 397682.3/48

In: 1972.368+/-0.260 χ^2/NDF:1956356.2/44

Out: 1953.903+/-0.248 χ^2/NDF:2066246.5/51

All: 1962.695+/-0.179 χ^2/NDF: 4025249.2/96

diff_bpm0i05Y_mean vs Slug, Sign Corrected



Right In: 9.830+/-0.486 χ^2/NDF: 1321.1/21

Left Out: -3.275+/-0.415 χ^2/NDF:671.1/24

Right Out: -8.775+/-0.452 χ^2/NDF: 2418.0/26

Left In: 0.511+/-0.430 χ^2/NDF:745.8/22

Left: -1.450+/-0.298 χ^2/NDF: 1457.1/47

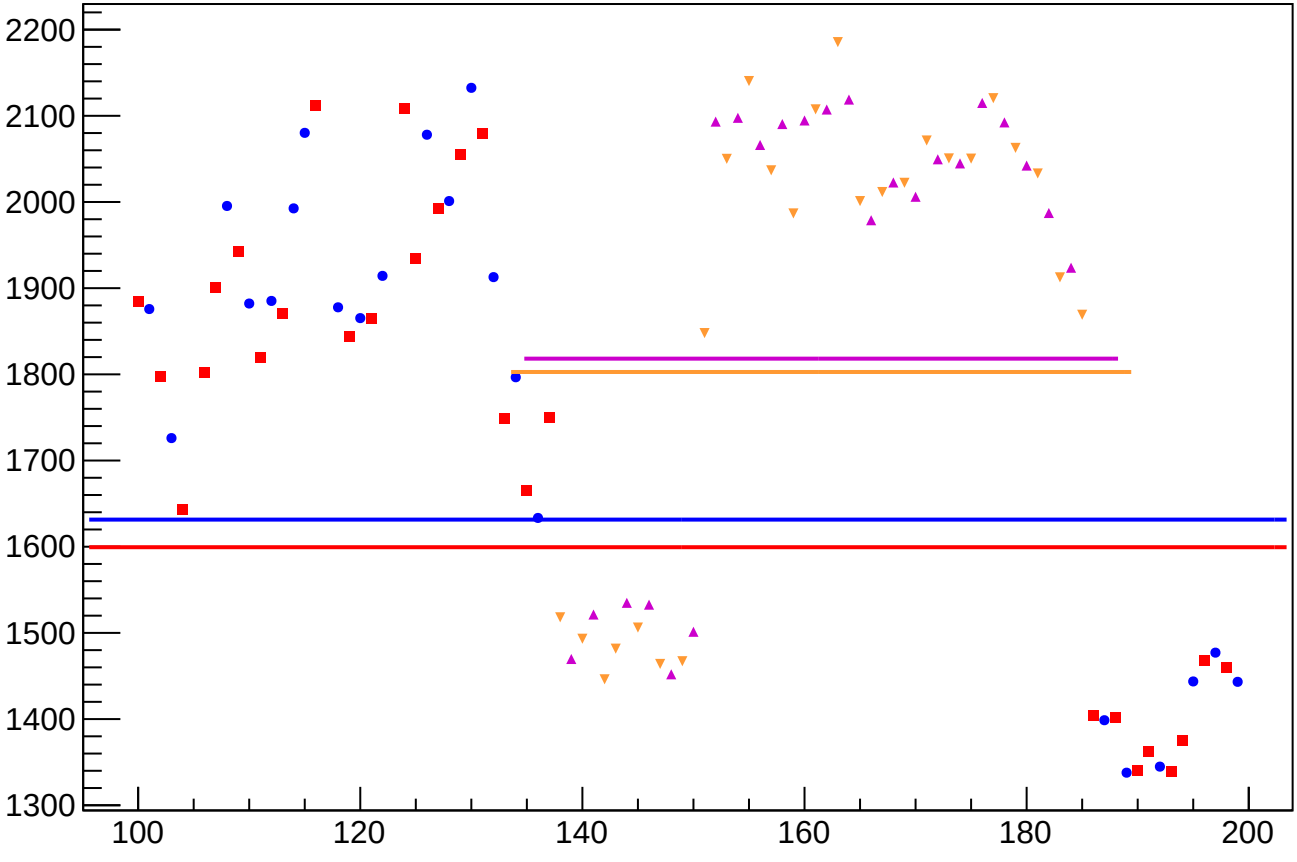
Right: -0.154+/-0.331 χ^2/NDF: 4525.5/48

In: 4.600+/-0.322 χ^2/NDF:2273.3/44

Out: -5.791+/-0.305 χ^2/NDF:3169.6/51

All: -0.868+/-0.222 χ^2/NDF: 5991.1/96

diff_bpm0i05Y_rms vs Slug, Sign Corrected



Right In: 1631.458+/-0.344 χ^2/NDF: 535847.9/21

Left Out: 1802.748+/-0.293 χ^2/NDF:897375.1/24

Right Out: 1599.428+/-0.319 χ^2/NDF: 575612.7/26

Left In: 1818.225+/-0.304 χ^2/NDF:840353.0/22

Left: 1810.209+/-0.211 χ^2/NDF: 1739071.4/47

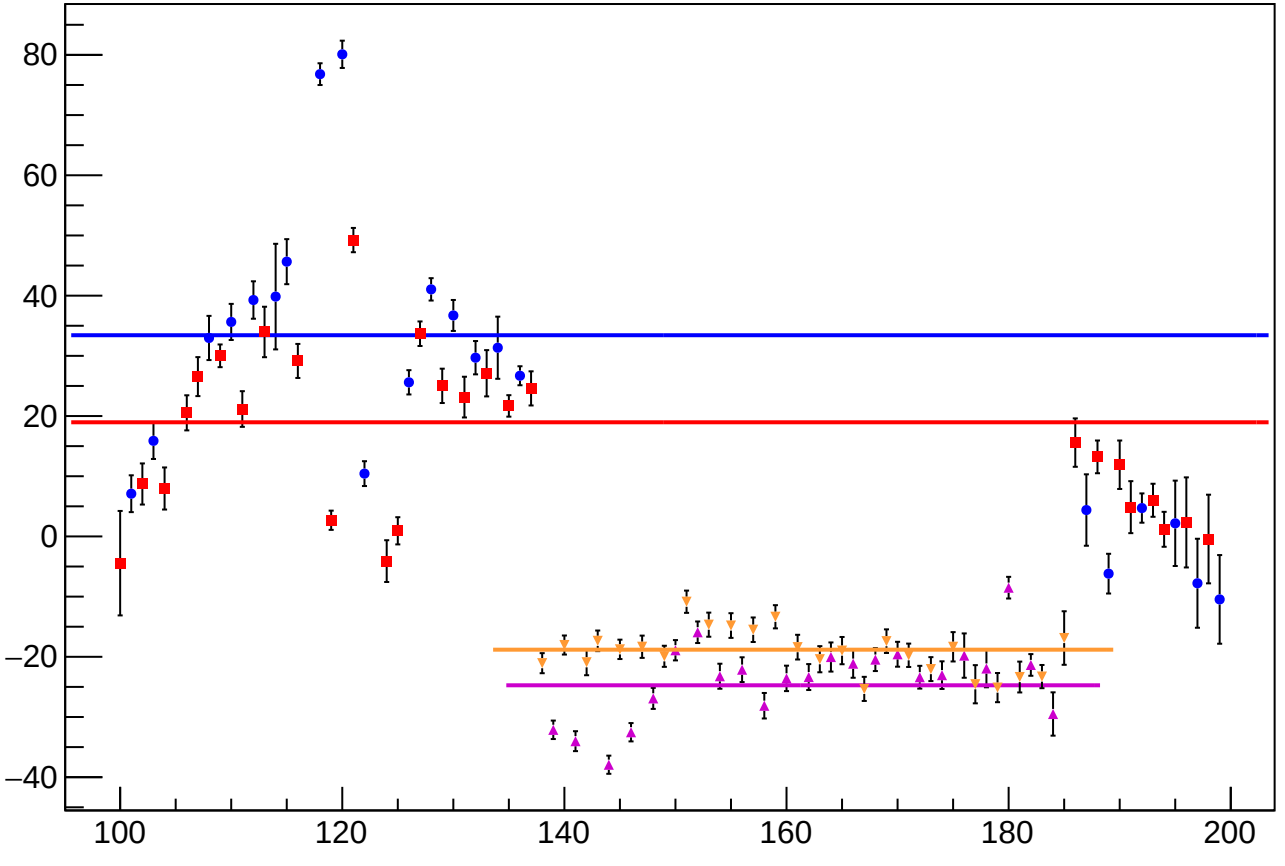
Right: 1614.271+/-0.234 χ^2/NDF: 1116121.9/48

In: 1736.266+/-0.228 χ^2/NDF:1541943.6/44

Out: 1709.757+/-0.216 χ^2/NDF:1692930.6/51

All: 1722.314+/-0.157 χ^2/NDF: 3242010.1/96

diff_bpm0i07X_mean vs Slug, Sign Corrected



Right In: 33.427+/-0.584 χ^2/NDF: 1694.3/21

Left Out: -18.816+/-0.402 χ^2/NDF:74.9/24

Right Out: 18.963+/-0.539 χ^2/NDF: 688.9/26

Left In: -24.731+/-0.409 χ^2/NDF:308.0/22

Left: -21.723+/-0.287 χ^2/NDF: 489.4/47

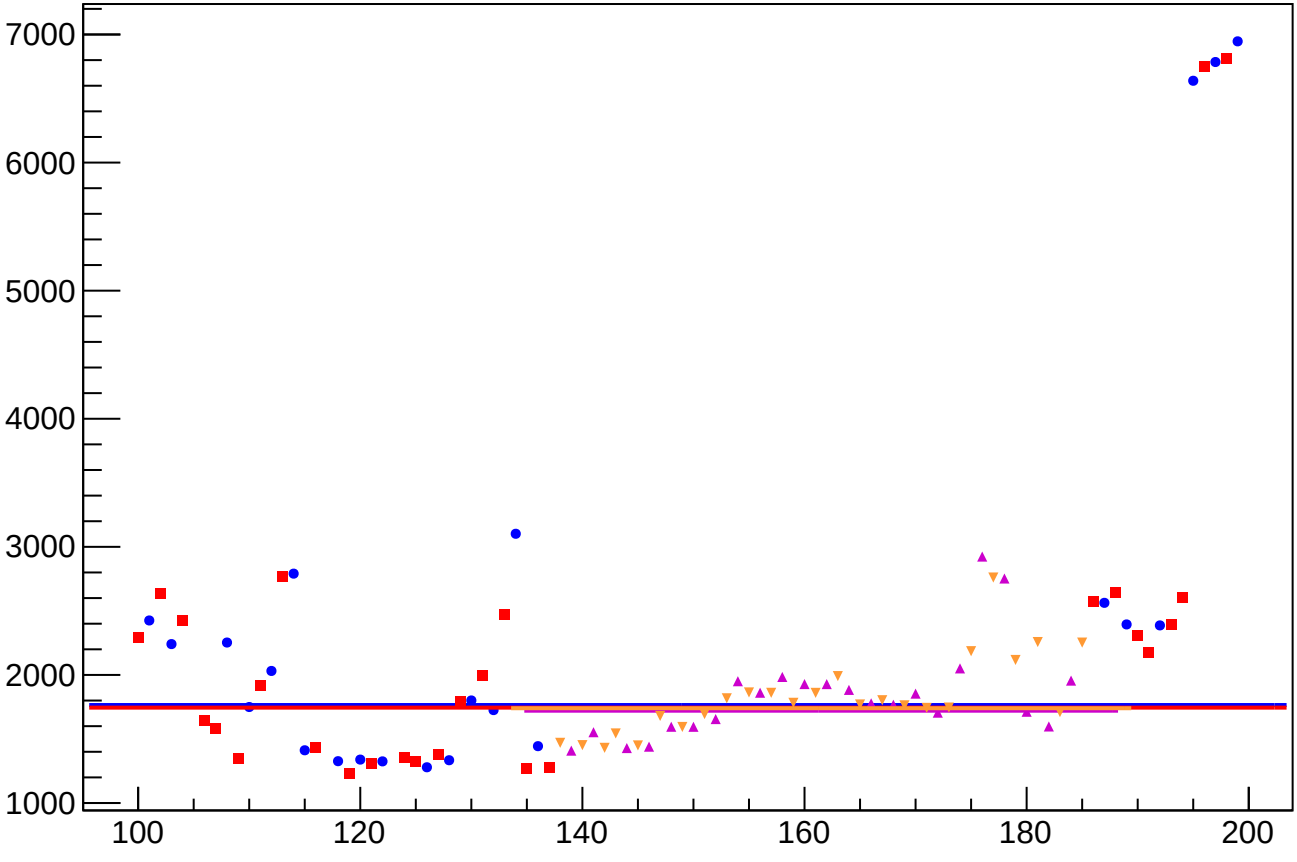
Right: 25.608+/-0.396 χ^2/NDF: 2714.2/48

In: -5.627+/-0.335 χ^2/NDF:8651.7/44

Out: -5.309+/-0.322 χ^2/NDF:3922.4/51

All: -5.462+/-0.232 χ^2/NDF: 12574.5/96

diff_bpm0i07X_rms vs Slug, Sign Corrected



Right In: 1765.012+/-0.413 χ^2/NDF: 4055106.8/21

Left Out: 1740.089+/-0.284 χ^2/NDF:753377.5/24

Right Out: 1744.746+/-0.381 χ^2/NDF: 3697975.2/26

Left In: 1720.864+/-0.289 χ^2/NDF:883990.4/22

Left: 1730.639+/-0.203 χ^2/NDF: 1639617.2/47

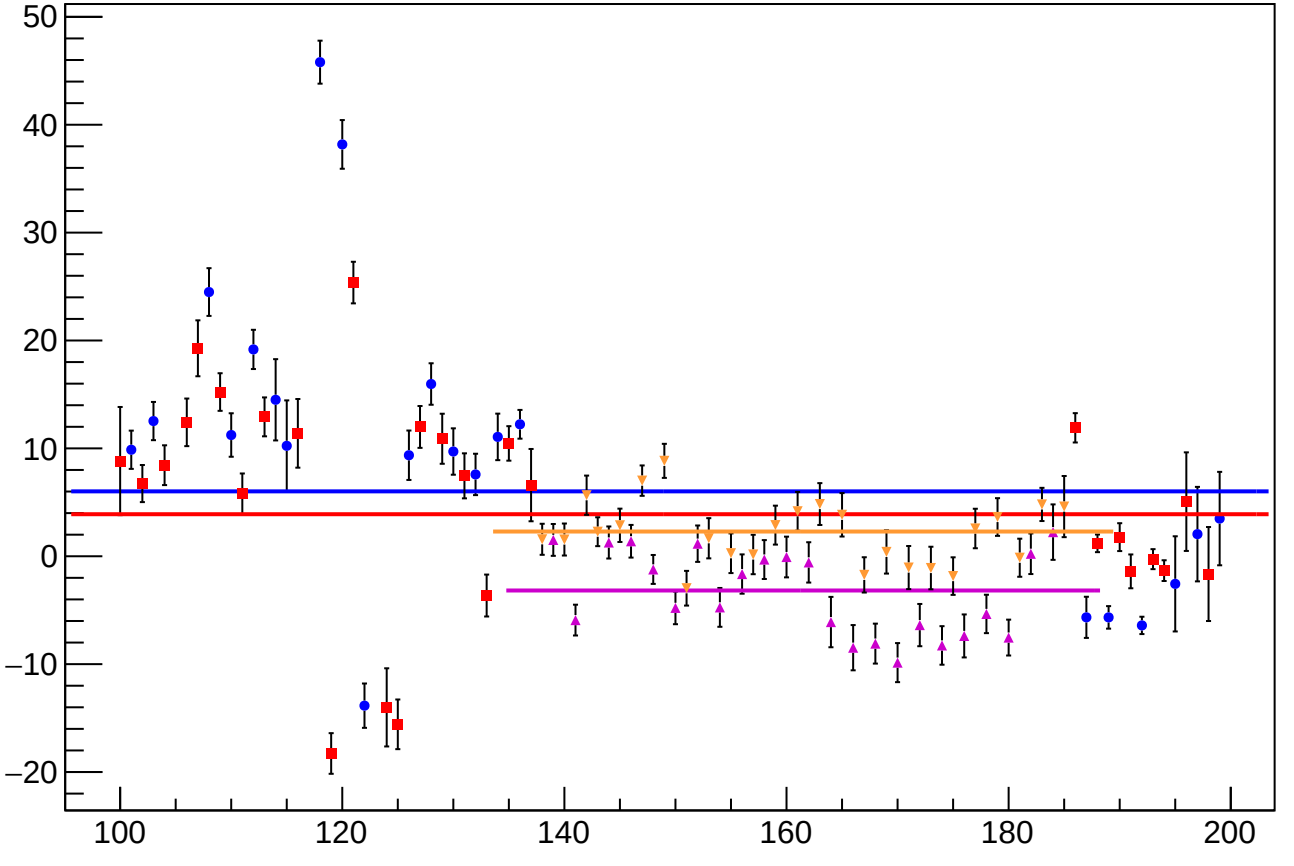
Right: 1754.057+/-0.280 χ^2/NDF: 7754381.9/48

In: 1735.366+/-0.237 χ^2/NDF:4946760.3/44

Out: 1741.754+/-0.228 χ^2/NDF:4451448.7/51

All: 1738.685+/-0.164 χ^2/NDF: 9398586.9/96

diff_bpm0i07Y_mean vs Slug, Sign Corrected



Right In: 6.016+/-0.383 χ^2/NDF: 1315.0/21

Left Out: 2.293+/-0.343 χ^2/NDF:73.5/24

Right Out: 3.897+/-0.322 χ^2/NDF: 665.5/26

Left In: -3.173+/-0.362 χ^2/NDF:110.4/22

Left: -0.293+/-0.249 χ^2/NDF: 303.7/47

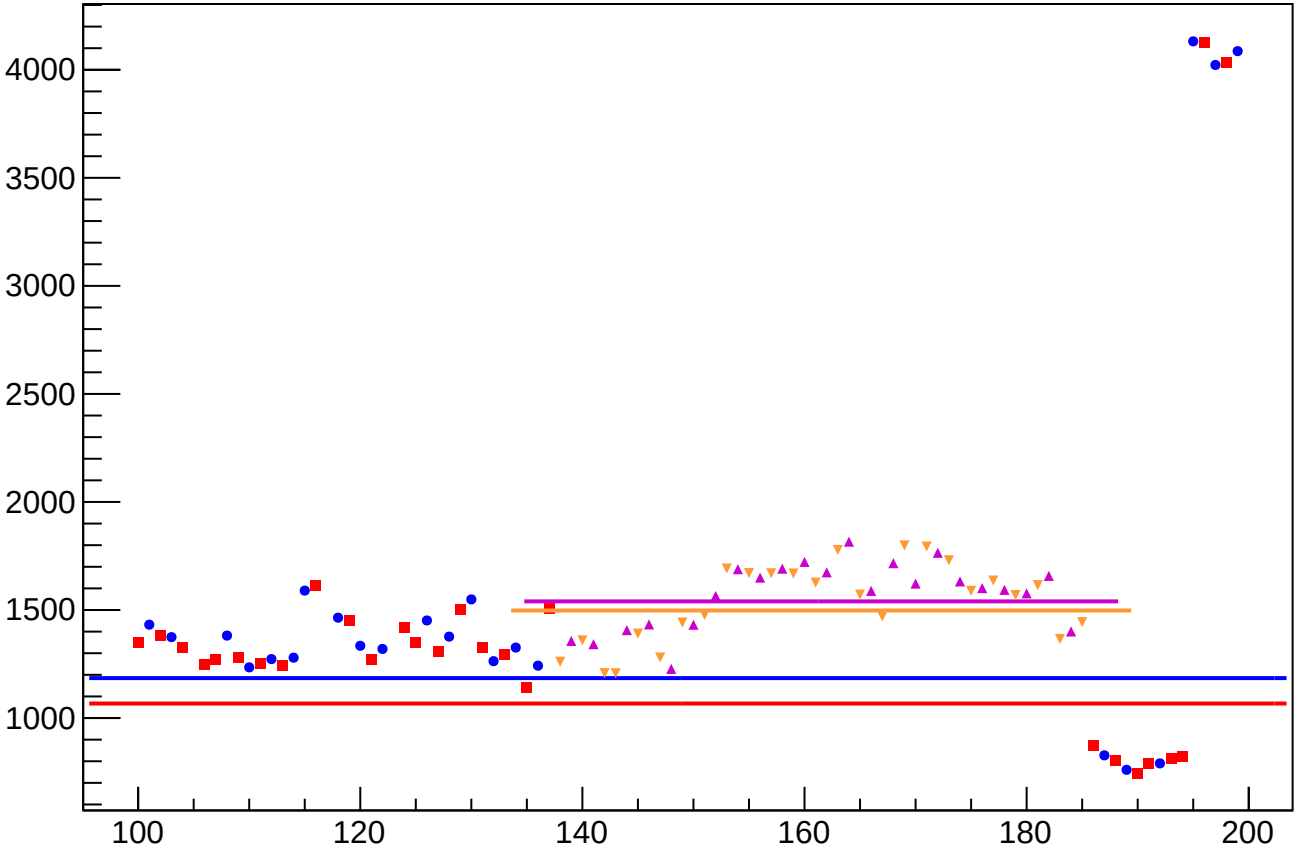
Right: 4.774+/-0.246 χ^2/NDF: 1998.4/48

In: 1.172+/-0.263 χ^2/NDF:1729.2/44

Out: 3.148+/-0.235 χ^2/NDF:750.6/51

All: 2.272+/-0.175 χ^2/NDF: 2511.2/96

diff_bpm0i07Y_rms vs Slug, Sign Corrected



Right In: 1184.853+/-0.271 χ^2/NDF: 3793703.0/21

Left Out: 1497.713+/-0.243 χ^2/NDF:568629.4/24

Right Out: 1067.209+/-0.227 χ^2/NDF: 3168904.8/26

Left In: 1539.884+/-0.256 χ^2/NDF:380330.7/22

Left: 1517.667+/-0.176 χ^2/NDF: 963225.2/47

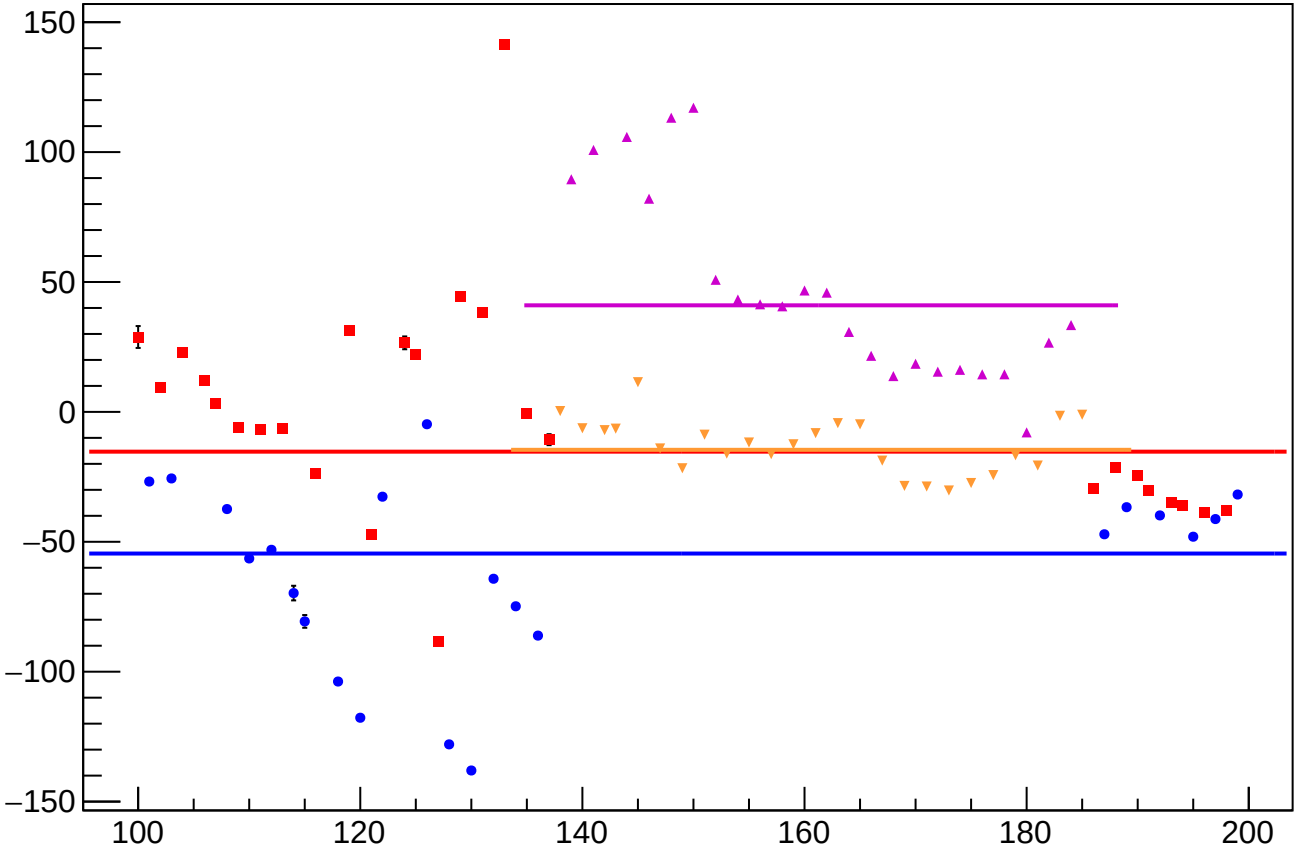
Right: 1115.895+/-0.174 χ^2/NDF: 7073378.4/48

In: 1372.025+/-0.186 χ^2/NDF:5081386.0/44

Out: 1268.305+/-0.166 χ^2/NDF:5411830.4/51

All: 1314.266+/-0.124 χ^2/NDF: 10666227.6/9

diff_bpm1i02X_mean vs Slug, Sign Corrected



Right In: -54.521+/-0.234 χ^2/NDF: 17155.8/21

Left Out: -14.597+/-0.183 χ^2/NDF:3159.3/24

Right Out: -15.306+/-0.218 χ^2/NDF: 28682.6/26

Left In: 41.021+/-0.190 χ^2/NDF:31066.6/22

Left: 12.192+/-0.132 χ^2/NDF: 78745.1/47

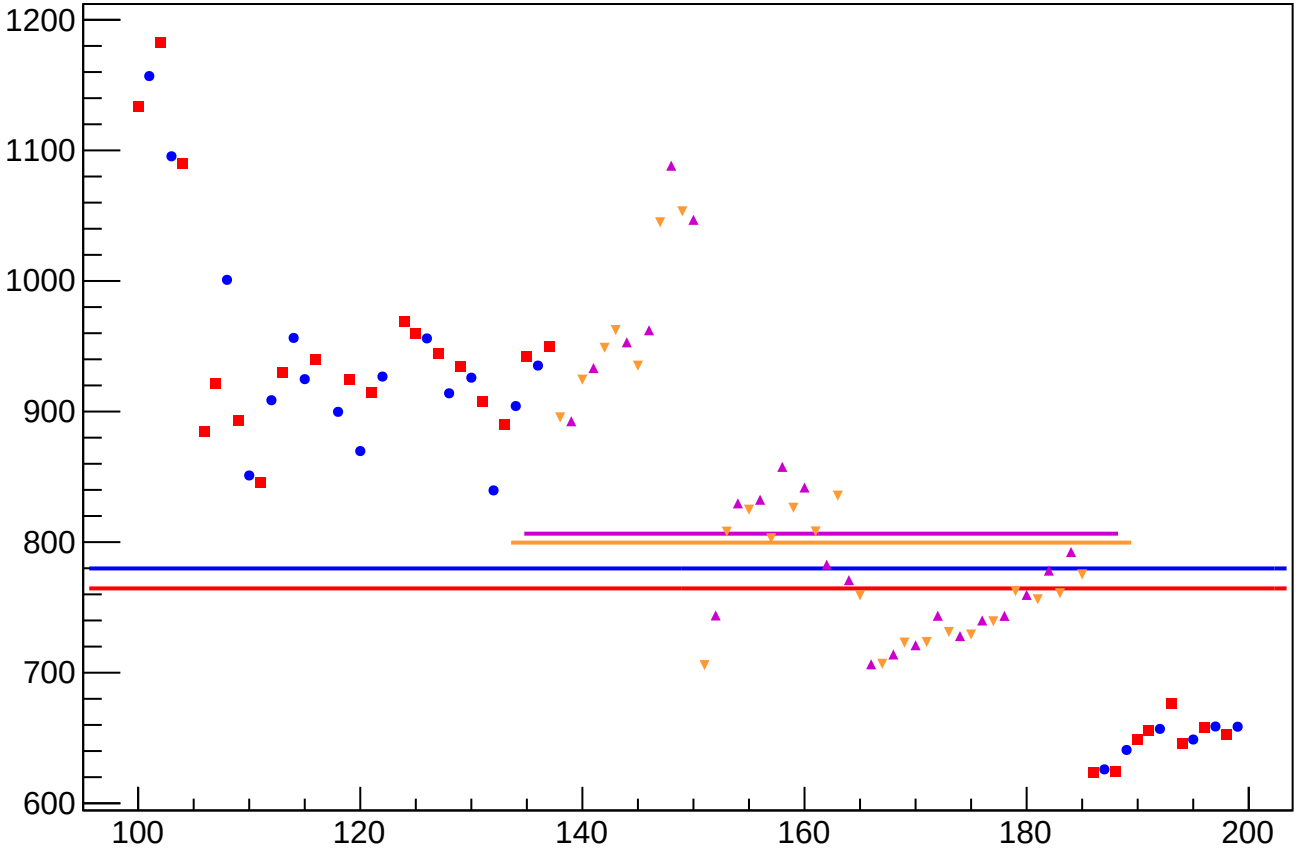
Right: -33.503+/-0.159 χ^2/NDF: 60918.9/48

In: 3.070+/-0.147 χ^2/NDF:148895.9/44

Out: -14.891+/-0.140 χ^2/NDF:31848.1/51

All: -6.368+/-0.101 χ^2/NDF: 188552.6/96

diff_bpm1i02X_rms vs Slug, Sign Corrected



Right In: 779.843+/-0.165 χ^2/NDF: 839255.5/21

Left Out: 799.639+/-0.129 χ^2/NDF:497430.7/24

Right Out: 764.553+/-0.154 χ^2/NDF: 983654.2/26

Left In: 806.478+/-0.134 χ^2/NDF:511294.8/22

Left: 802.933+/-0.093 χ^2/NDF: 1010071.7/47

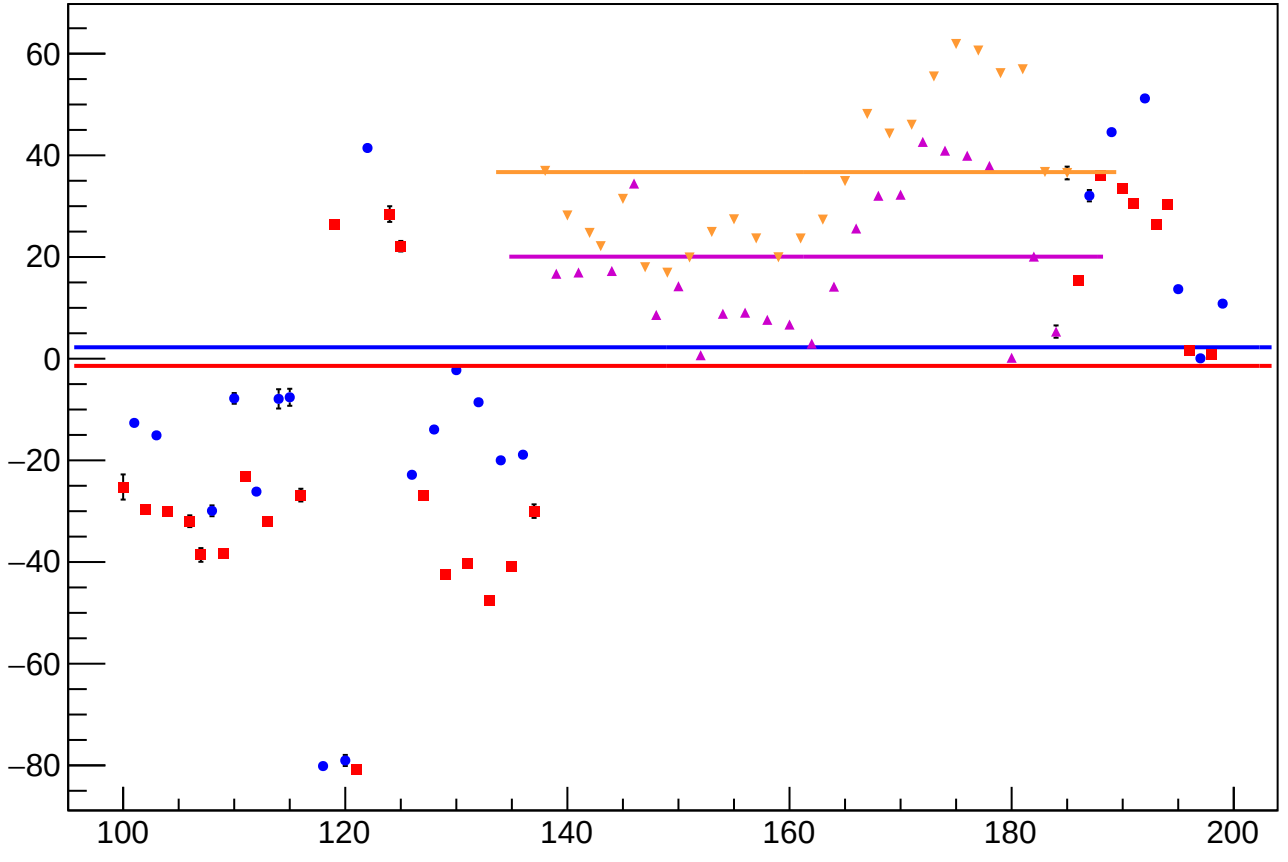
Right: 771.648+/-0.113 χ^2/NDF: 1827494.6/48

In: 795.898+/-0.104 χ^2/NDF:1366198.9/44

Out: 785.104+/-0.099 χ^2/NDF:1511560.8/51

All: 790.226+/-0.072 χ^2/NDF: 2883400.4/96

diff_bpm1i02Y_mean vs Slug, Sign Corrected



Right In: 2.244+/-0.165 χ^2/NDF: 37809.9/21

Left Out: 36.705+/-0.145 χ^2/NDF:10231.1/24

Right Out: -1.418+/-0.155 χ^2/NDF: 42883.4/26

Left In: 20.069+/-0.151 χ^2/NDF:8560.6/22

Left: 28.712+/-0.105 χ^2/NDF: 25078.0/47

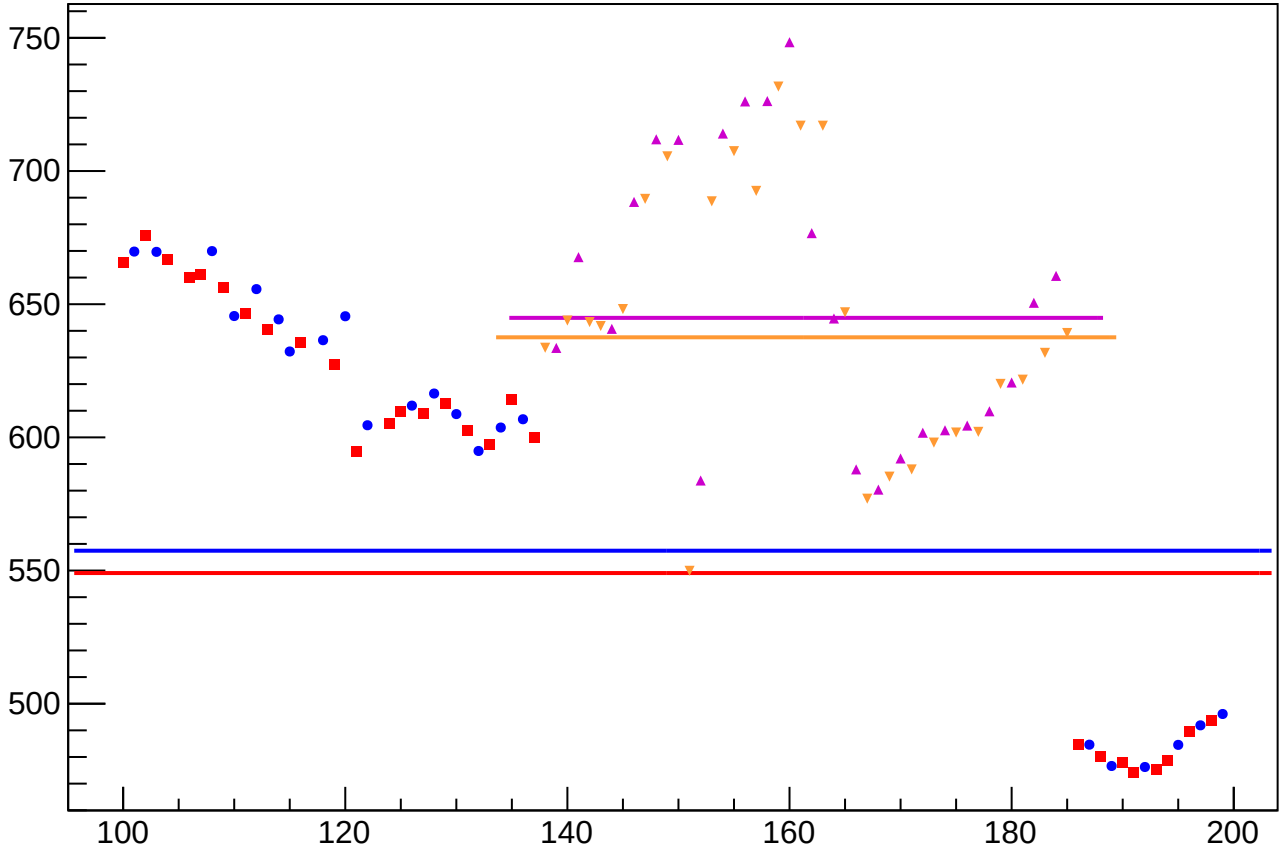
Right: 0.289+/-0.113 χ^2/NDF: 80954.9/48

In: 11.956+/-0.112 χ^2/NDF:52693.4/44

Out: 18.807+/-0.106 χ^2/NDF:85376.9/51

All: 15.561+/-0.077 χ^2/NDF: 140051.8/96

diff_bpm1i02Y_rms vs Slug, Sign Corrected



Right In: 557.447+/-0.117 χ^2/NDF: 408146.8/21

Left Out: 637.569+/-0.103 χ^2/NDF:236539.6/24

Right Out: 549.061+/-0.109 χ^2/NDF: 475705.2/26

Left In: 644.873+/-0.107 χ^2/NDF:229560.3/22

Left: 641.078+/-0.074 χ^2/NDF: 468523.1/47

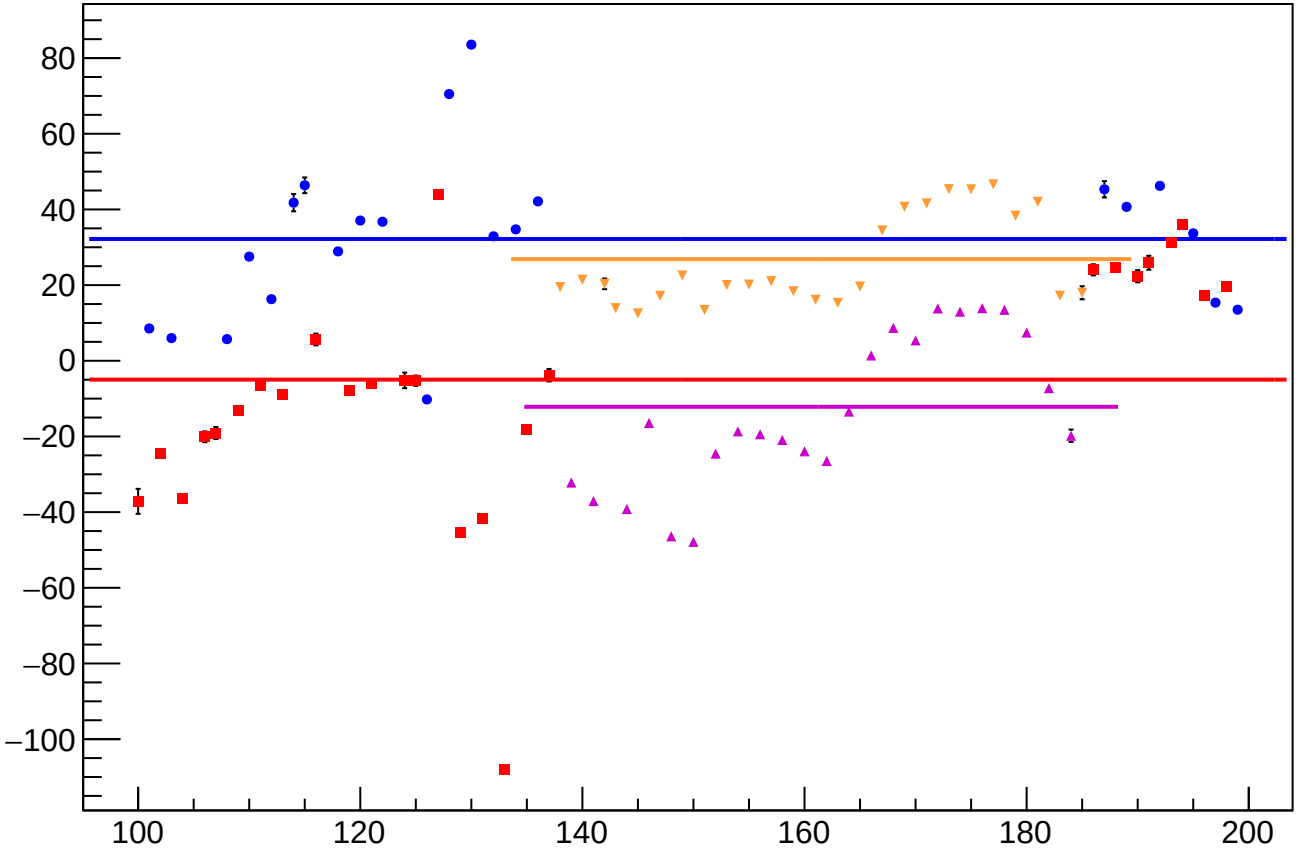
Right: 552.970+/-0.080 χ^2/NDF: 886594.9/48

In: 605.081+/-0.079 χ^2/NDF:941900.7/44

Out: 596.016+/-0.075 χ^2/NDF:1060043.1/51

All: 600.311+/-0.054 χ^2/NDF: 2008883.6/96

diff_bpm1i04X_mean vs Slug, Sign Corrected



Right In: 32.192+/-0.243 χ^2/NDF: 7636.4/21

Left Out: 26.866+/-0.207 χ^2/NDF:3390.4/24

Right Out: -4.978+/-0.233 χ^2/NDF: 20639.5/26

Left In: -12.159+/-0.214 χ^2/NDF:8547.0/22

Left: 8.004+/-0.149 χ^2/NDF: 29170.3/47

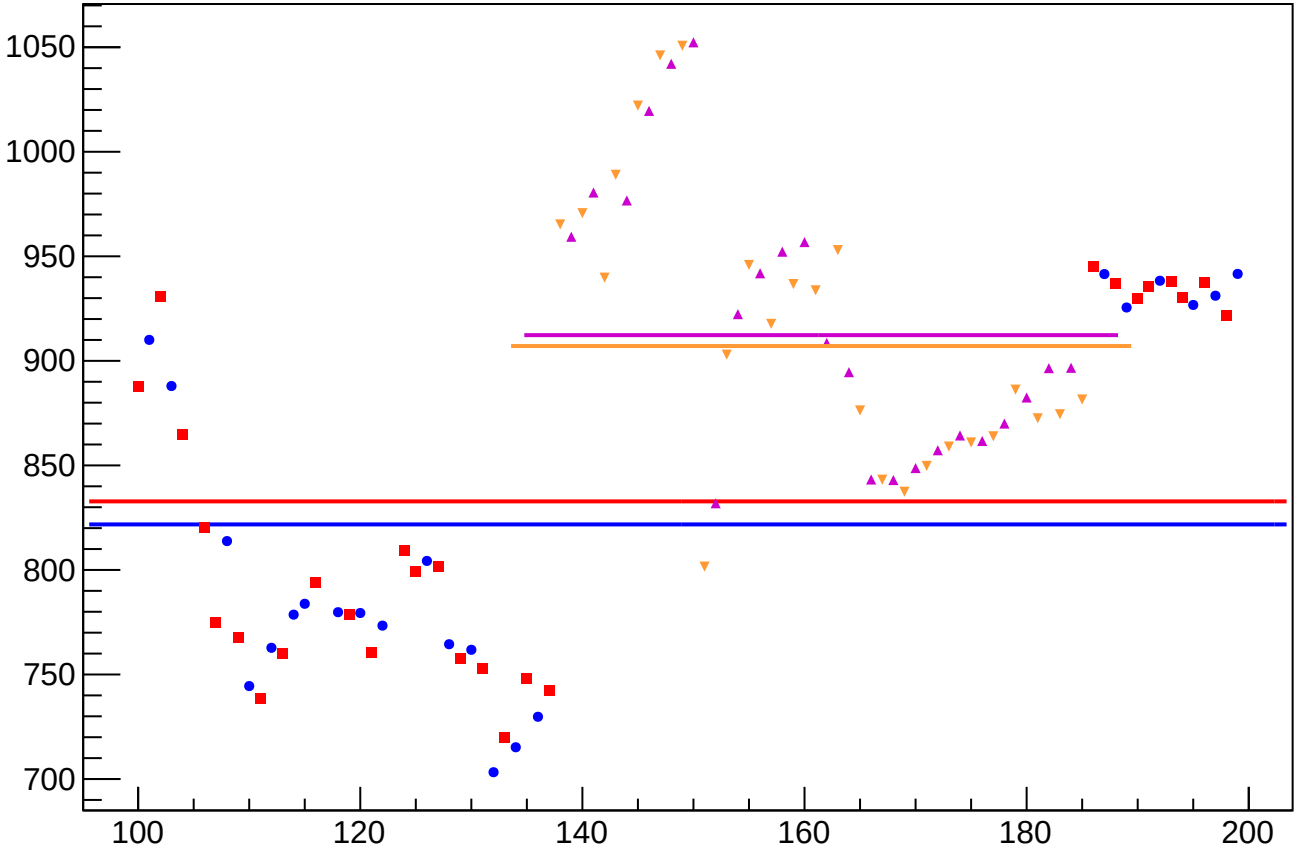
Right: 12.854+/-0.168 χ^2/NDF: 40434.4/48

In: 7.169+/-0.161 χ^2/NDF:34956.3/44

Out: 12.877+/-0.155 χ^2/NDF:34459.4/51

All: 10.127+/-0.111 χ^2/NDF: 70071.1/96

diff_bpm1i04X_rms vs Slug, Sign Corrected



Right In: 821.775+/-0.172 χ^2/NDF: 249676.5/21

Left Out: 907.089+/-0.146 χ^2/NDF:194606.8/24

Right Out: 832.792+/-0.165 χ^2/NDF: 251722.8/26

Left In: 912.301+/-0.151 χ^2/NDF:174715.2/22

Left: 909.608+/-0.105 χ^2/NDF: 369936.7/47

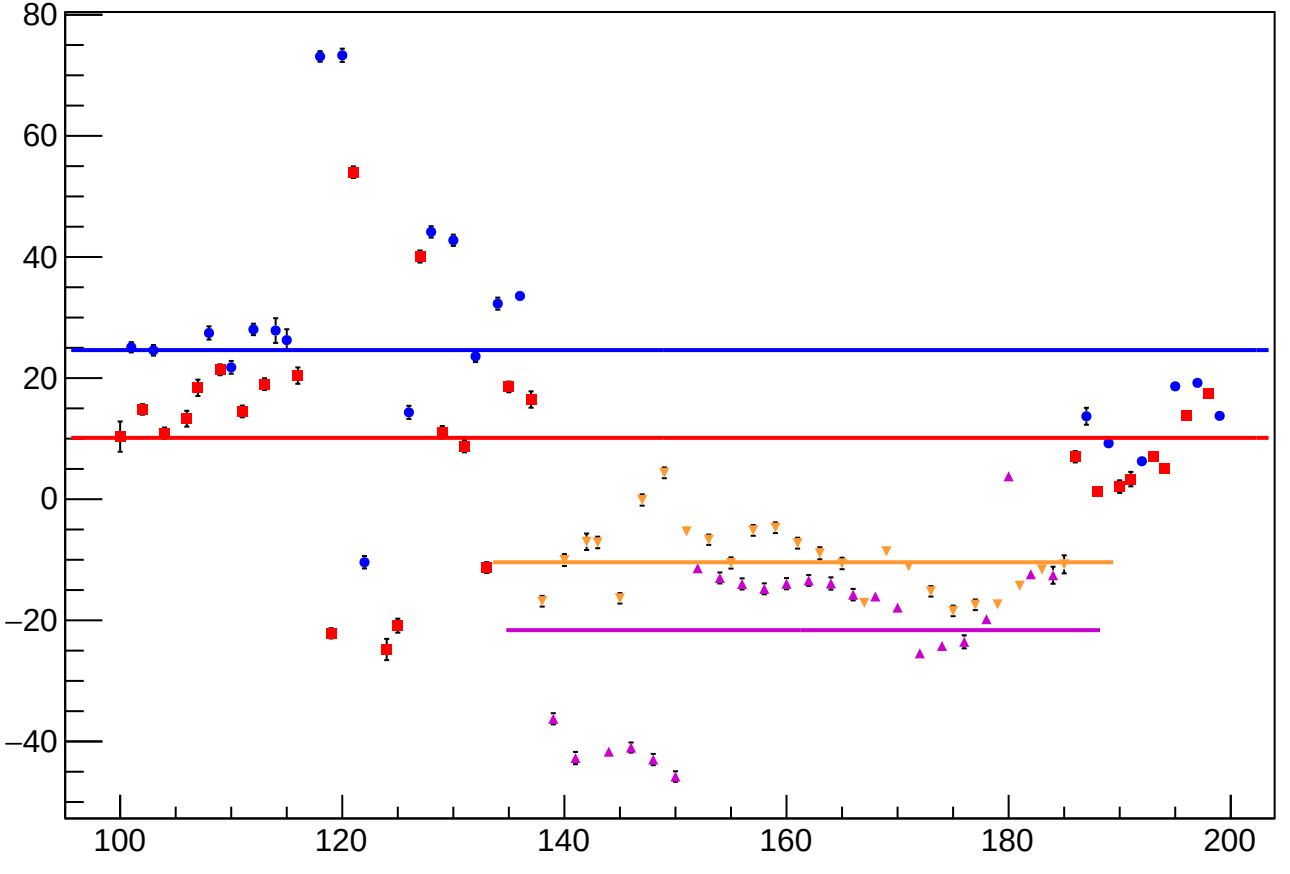
Right: 827.507+/-0.119 χ^2/NDF: 503535.5/48

In: 872.850+/-0.113 χ^2/NDF:580816.6/44

Out: 874.449+/-0.109 χ^2/NDF:559877.8/51

All: 873.679+/-0.079 χ^2/NDF: 1140797.3/96

diff_bpm1i04Y_mean vs Slug, Sign Corrected



Right In: 24.625+/-0.184 χ^2/NDF: 9227.4/21

Left Out: -10.406+/-0.176 χ^2/NDF:1041.8/24

Right Out: 10.136+/-0.177 χ^2/NDF: 7168.4/26

Left In: -21.621+/-0.182 χ^2/NDF:5241.8/22

Left: -15.828+/-0.126 χ^2/NDF: 8246.4/47

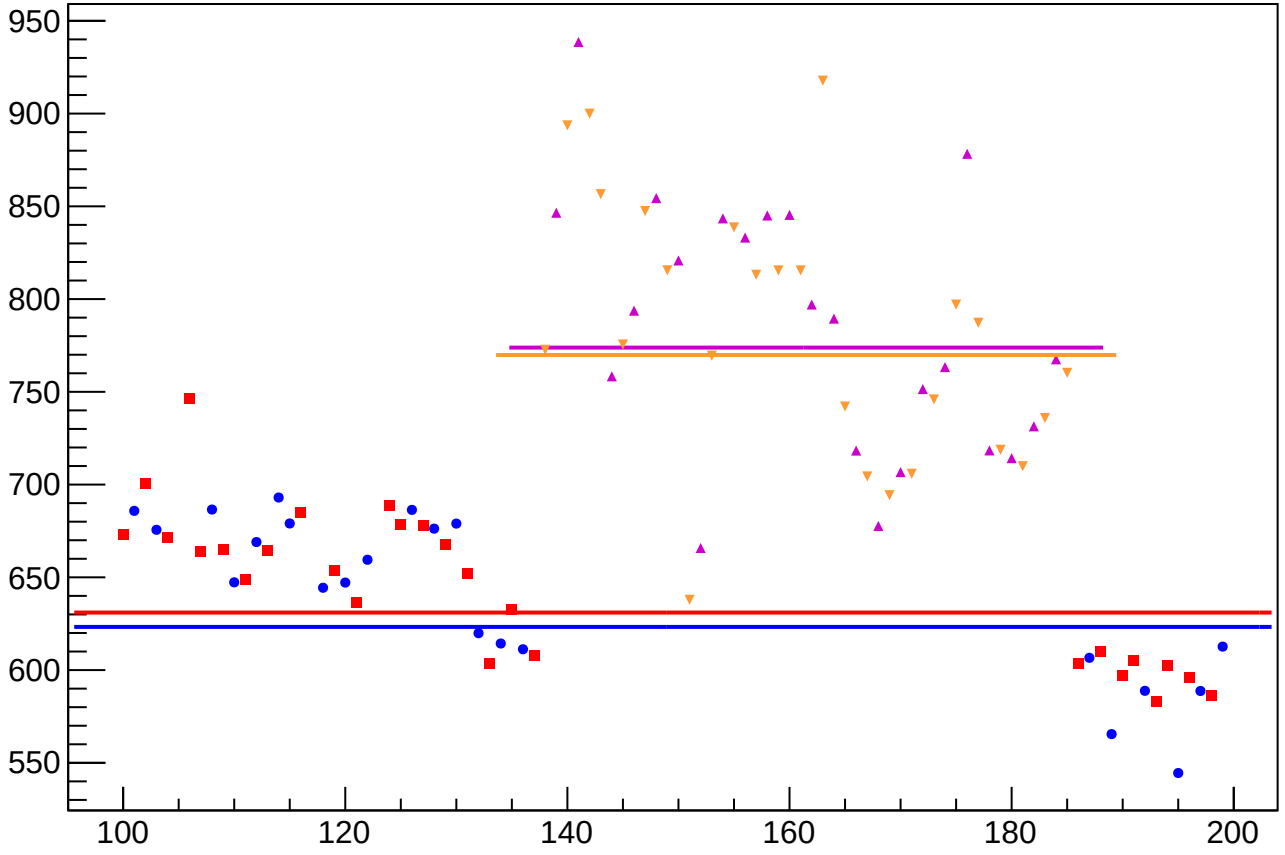
Right: 17.072+/-0.127 χ^2/NDF: 19619.6/48

In: 1.211+/-0.129 χ^2/NDF:46368.9/44

Out: -0.167+/-0.125 χ^2/NDF:15000.5/51

All: 0.496+/-0.090 χ^2/NDF: 61428.2/96

diff_bpm1i04Y_rms vs Slug, Sign Corrected



Right In: 623.272+/-0.130 χ^2/NDF: 120521.3/21

Left Out: 769.850+/-0.124 χ^2/NDF:304526.6/24

Right Out: 631.014+/-0.125 χ^2/NDF: 96916.8/26

Left In: 773.845+/-0.129 χ^2/NDF:282843.1/22

Left: 771.781+/-0.089 χ^2/NDF: 587867.8/47

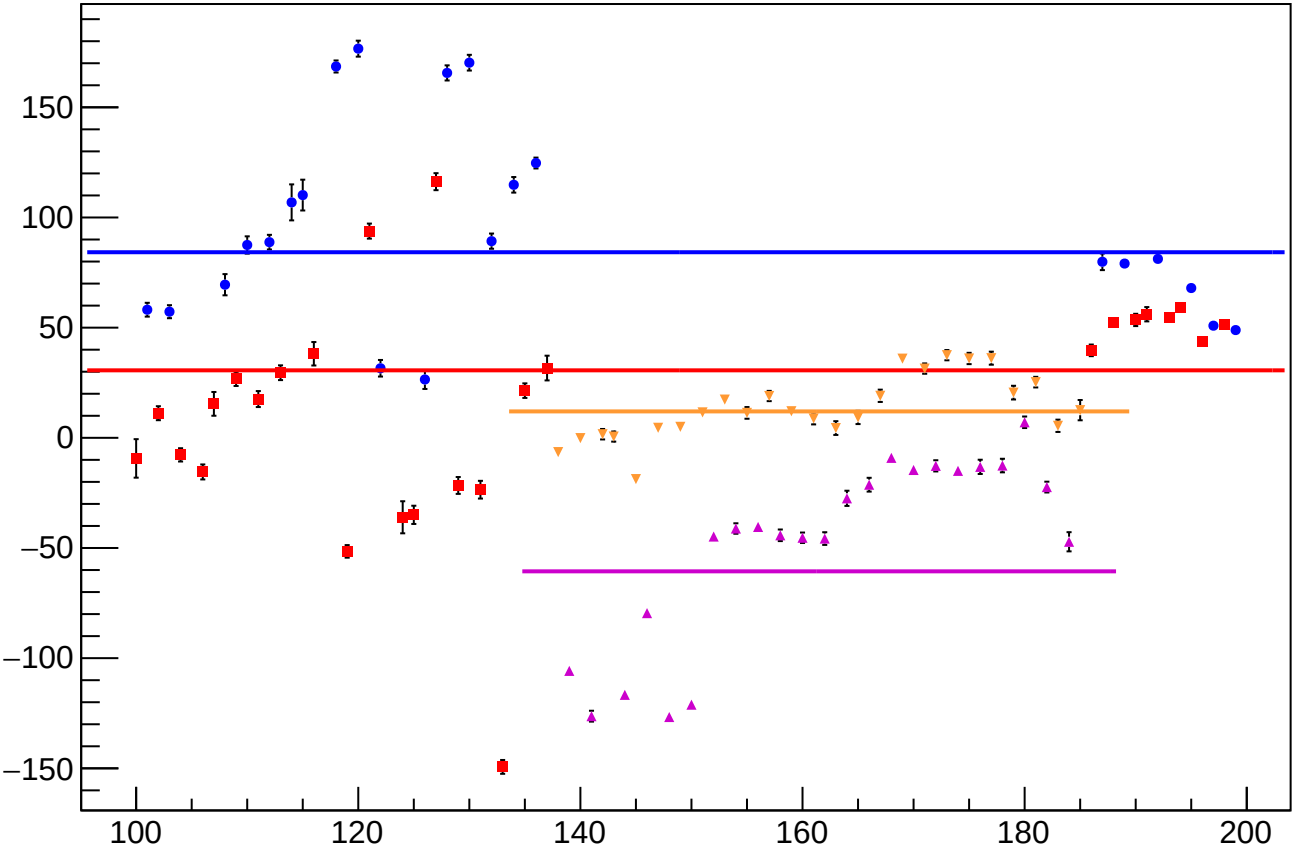
Right: 627.307+/-0.090 χ^2/NDF: 219279.1/48

In: 699.504+/-0.092 χ^2/NDF:1079708.0/44

Out: 700.650+/-0.088 χ^2/NDF:1021750.9/51

All: 700.099+/-0.063 χ^2/NDF: 2101540.3/96

diff_bpm1i06X_mean vs Slug, Sign Corrected



Right In: 84.229+/-0.582 χ^2/NDF: 4479.6/21

Left Out: 11.989+/-0.472 χ^2/NDF:947.1/24

Right Out: 30.628+/-0.547 χ^2/NDF: 7060.8/26

Left In: -60.598+/-0.481 χ^2/NDF:8638.1/22

Left: -23.591+/-0.337 χ^2/NDF: 21200.1/47

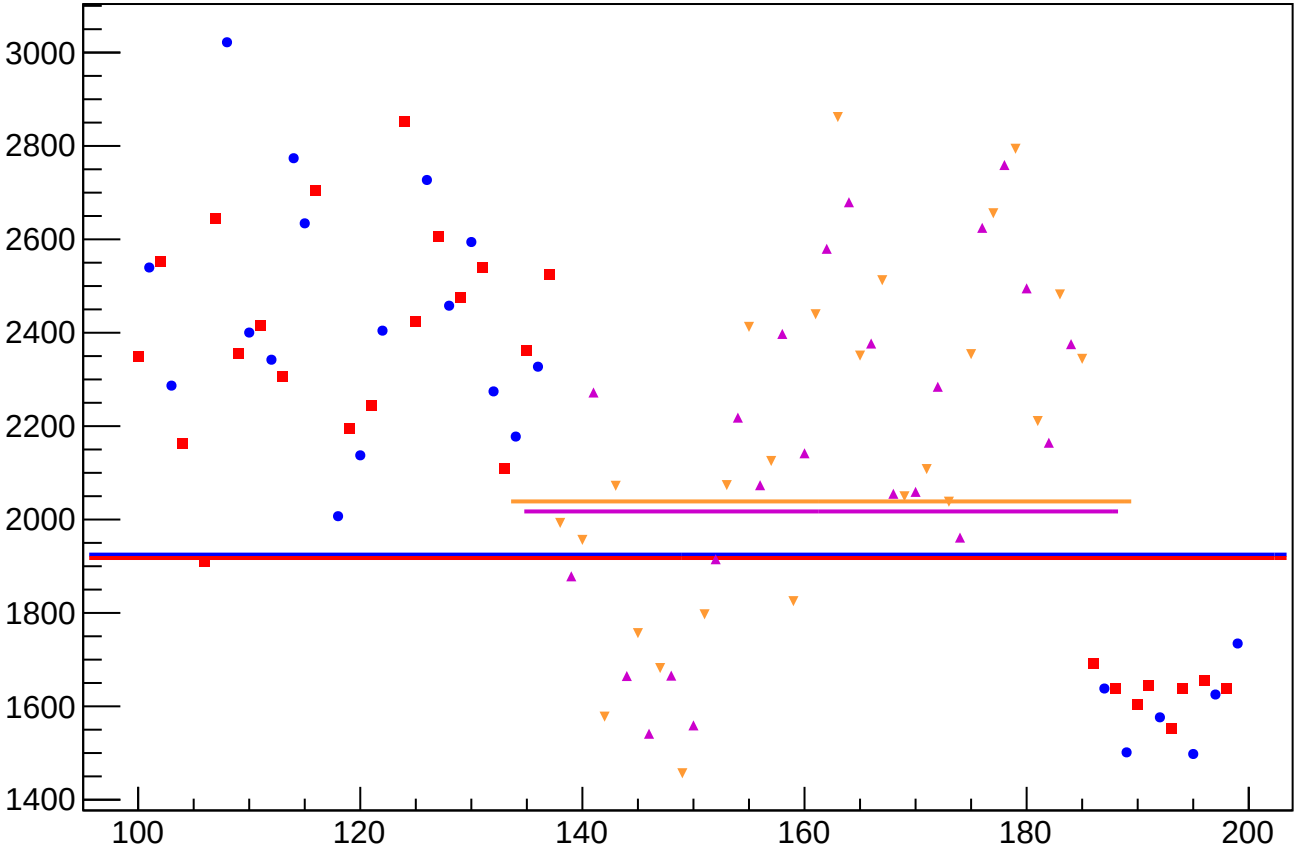
Right: 55.767+/-0.399 χ^2/NDF: 16045.9/48

In: -1.823+/-0.371 χ^2/NDF:49923.6/44

Out: 19.937+/-0.357 χ^2/NDF:8674.2/51

All: 9.463+/-0.257 χ^2/NDF: 60384.9/96

diff_bpm1i06X_rms vs Slug, Sign Corrected



Right In: 1924.856+/-0.411 χ^2/NDF: 1031097.8/21

Left Out: 2038.784+/-0.333 χ^2/NDF:1123518.3/24

Right Out: 1917.620+/-0.387 χ^2/NDF: 939440.8/26

Left In: 2017.328+/-0.340 χ^2/NDF:1050043.3/22

Left: 2028.267+/-0.238 χ^2/NDF: 2175591.3/47

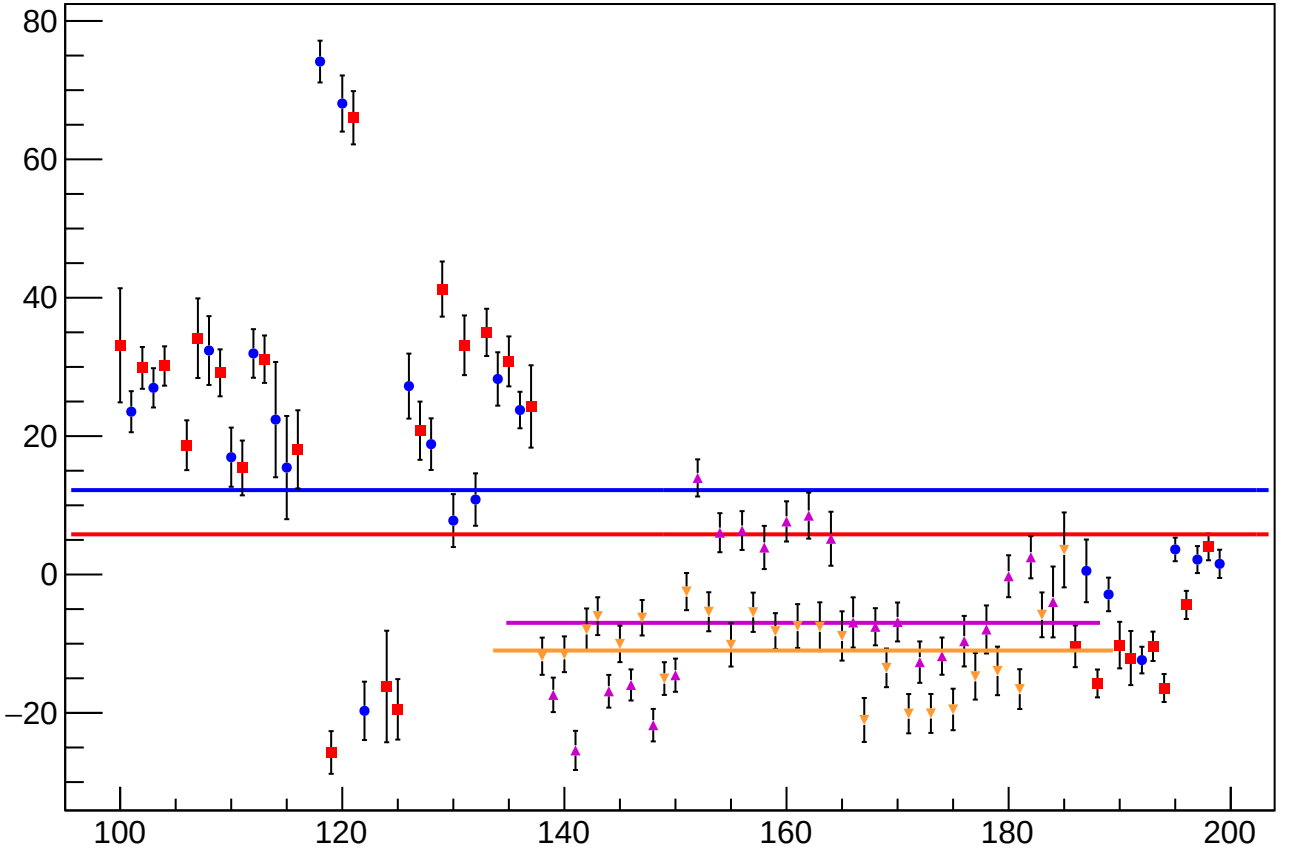
Right: 1921.014+/-0.282 χ^2/NDF: 1970702.8/48

In: 1979.800+/-0.262 χ^2/NDF:2111151.2/44

Out: 1987.116+/-0.253 χ^2/NDF:2119268.0/51

All: 1983.595+/-0.182 χ^2/NDF: 4230823.3/96

diff_bpm1i06Y_mean vs Slug, Sign Corrected



Right In: 12.197+/-0.636 χ^2/NDF: 1099.5/21

Left Out: -10.985+/-0.586 χ^2/NDF:87.6/24

Right Out: 5.807+/-0.607 χ^2/NDF: 1342.1/26

Left In: -6.985+/-0.598 χ^2/NDF:339.5/22

Left: -9.027+/-0.419 χ^2/NDF: 449.9/47

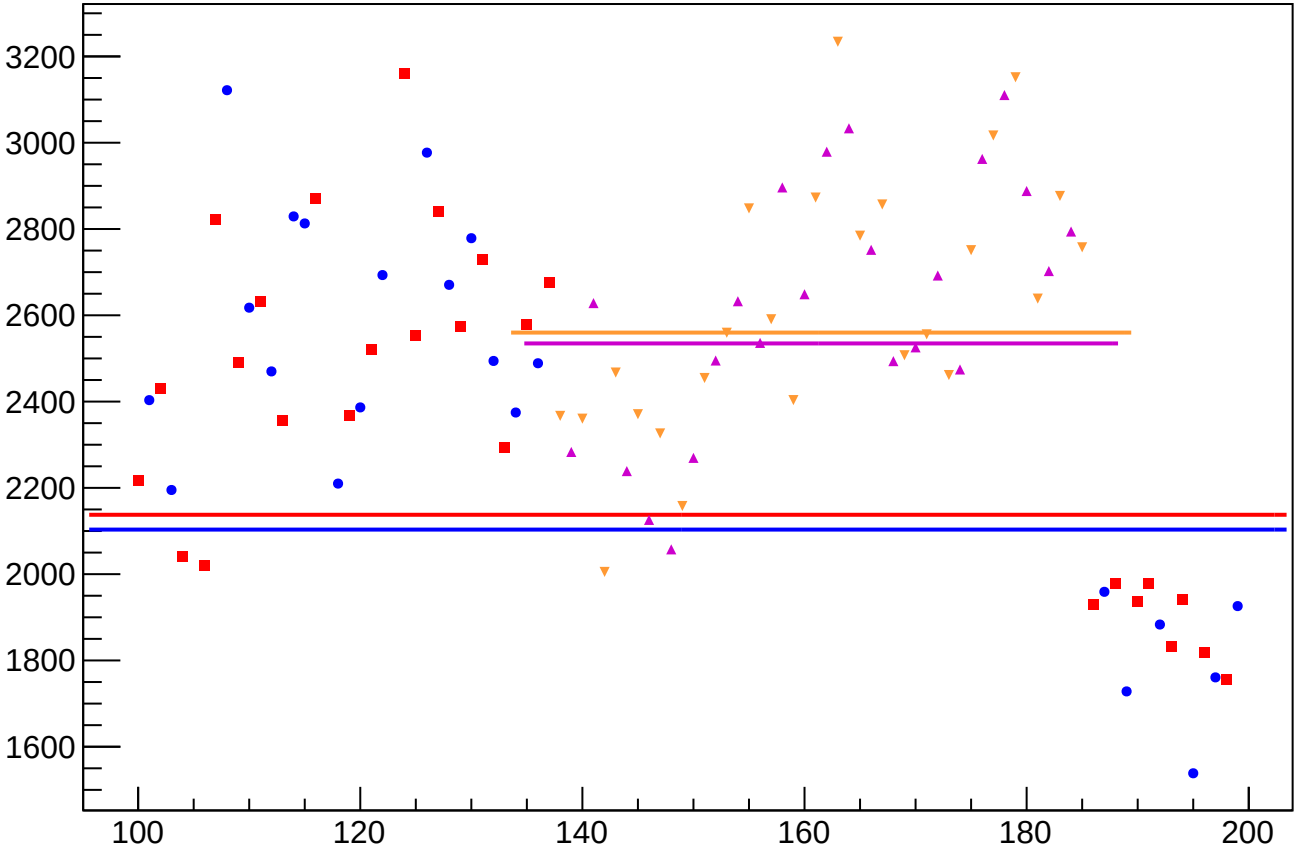
Right: 8.855+/-0.439 χ^2/NDF: 2494.5/48

In: 2.030+/-0.436 χ^2/NDF:1921.8/44

Out: -2.886+/-0.422 χ^2/NDF:1825.9/51

All: -0.509+/-0.303 χ^2/NDF: 3813.5/96

diff_bpm1i06Y_rms vs Slug, Sign Corrected



Right In: 2103.307+/-0.449 χ^2/NDF: 866239.2/21

Left Out: 2559.931+/-0.414 χ^2/NDF:450188.5/24

Right Out: 2137.640+/-0.429 χ^2/NDF: 615781.4/26

Left In: 2534.780+/-0.423 χ^2/NDF:463621.9/22

Left: 2547.623+/-0.296 χ^2/NDF: 915614.3/47

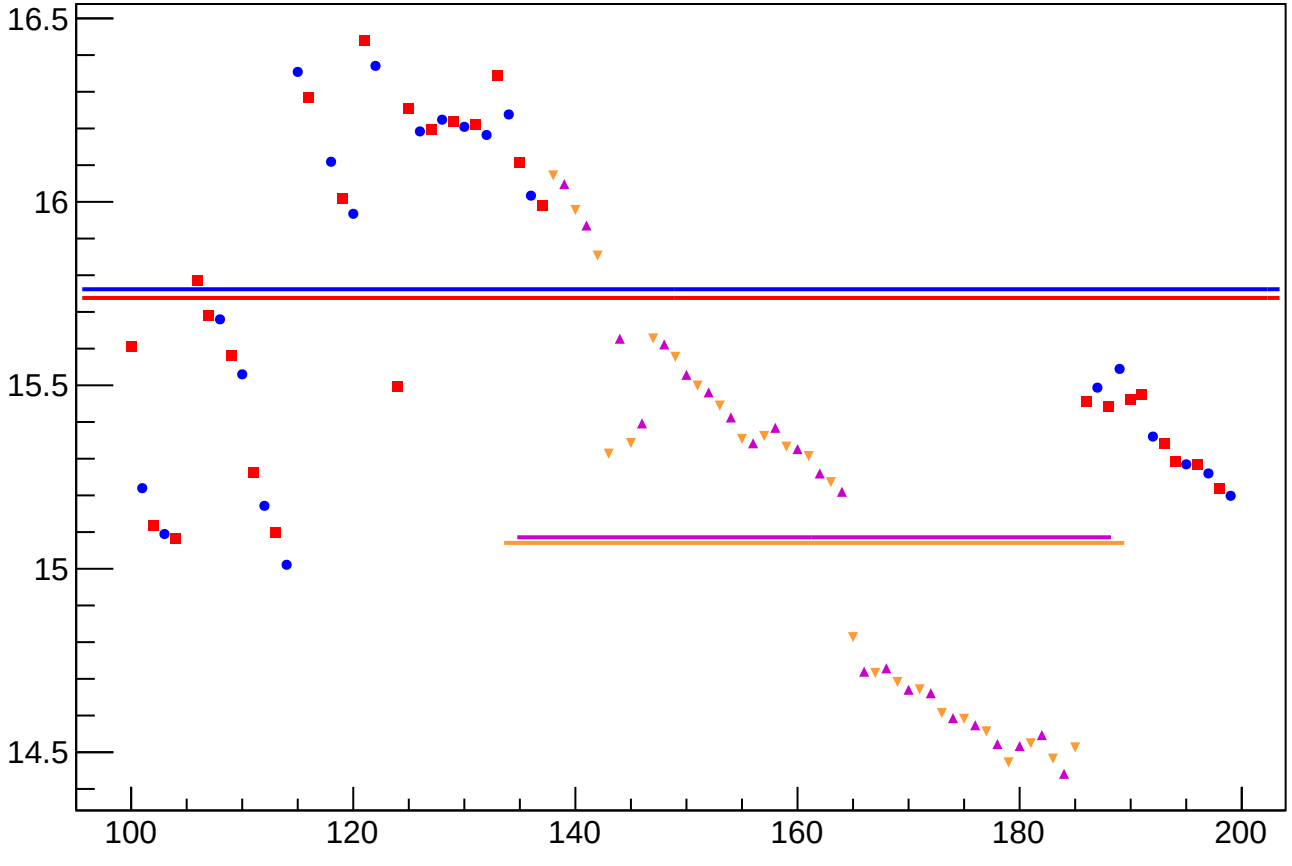
Right: 2121.263+/-0.310 χ^2/NDF: 1485073.3/48

In: 2331.996+/-0.308 χ^2/NDF:1818450.2/44

Out: 2356.238+/-0.298 χ^2/NDF:1567139.5/51

All: 2344.517+/-0.214 χ^2/NDF: 3388787.7/96

yield_sam1_mean vs Slug, Sign Corrected



Right In: 15.762+/-0.000 χ^2/NDF: 10455286216.5/21

Left Out: 15.070+/-0.000 χ^2/NDF:43718295237.2/24

Right Out: 15.738+/-0.000 χ^2/NDF: 10389389316.6/26

Left In: 15.086+/-0.000 χ^2/NDF:39504896066.7/22

Left: 15.078+/-0.000 χ^2/NDF: 83242630627.9/47

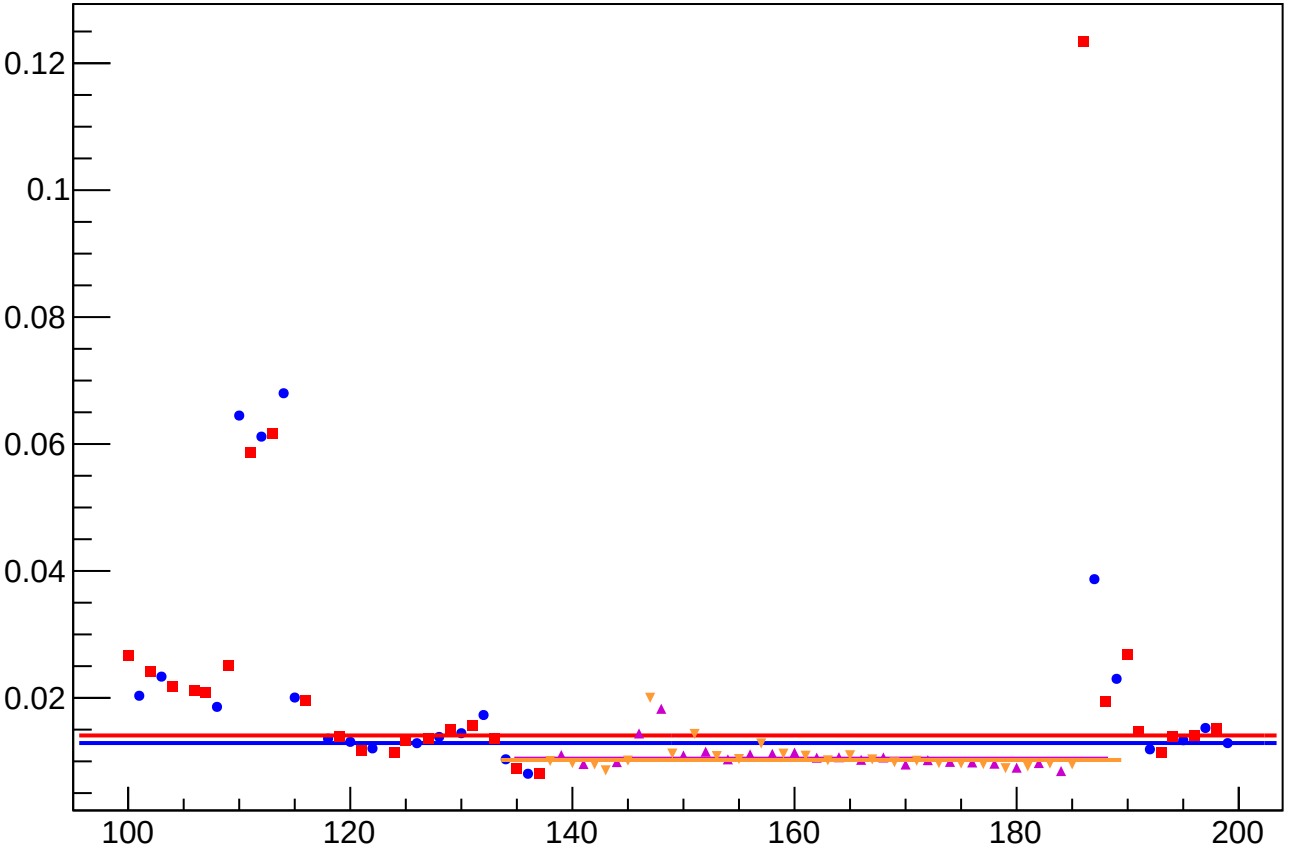
Right: 15.750+/-0.000 χ^2/NDF: 20860035328.8/48

In: 15.265+/-0.000 χ^2/NDF:69116634585.2/44

Out: 15.225+/-0.000 χ^2/NDF:72024422598.2/51

All: 15.245+/-0.000 χ^2/NDF: 141320604454.

yield_sam1_rms vs Slug, Sign Corrected



Right In: 0.013+/-0.000 χ^2/NDF: 2738071.8/21

Left Out: 0.010+/-0.000 χ^2/NDF:760322.0/24

Right Out: 0.014+/-0.000 χ^2/NDF: 3229818.3/26

Left In: 0.010+/-0.000 χ^2/NDF:597752.6/22

Left: 0.010+/-0.000 χ^2/NDF: 1365448.4/47

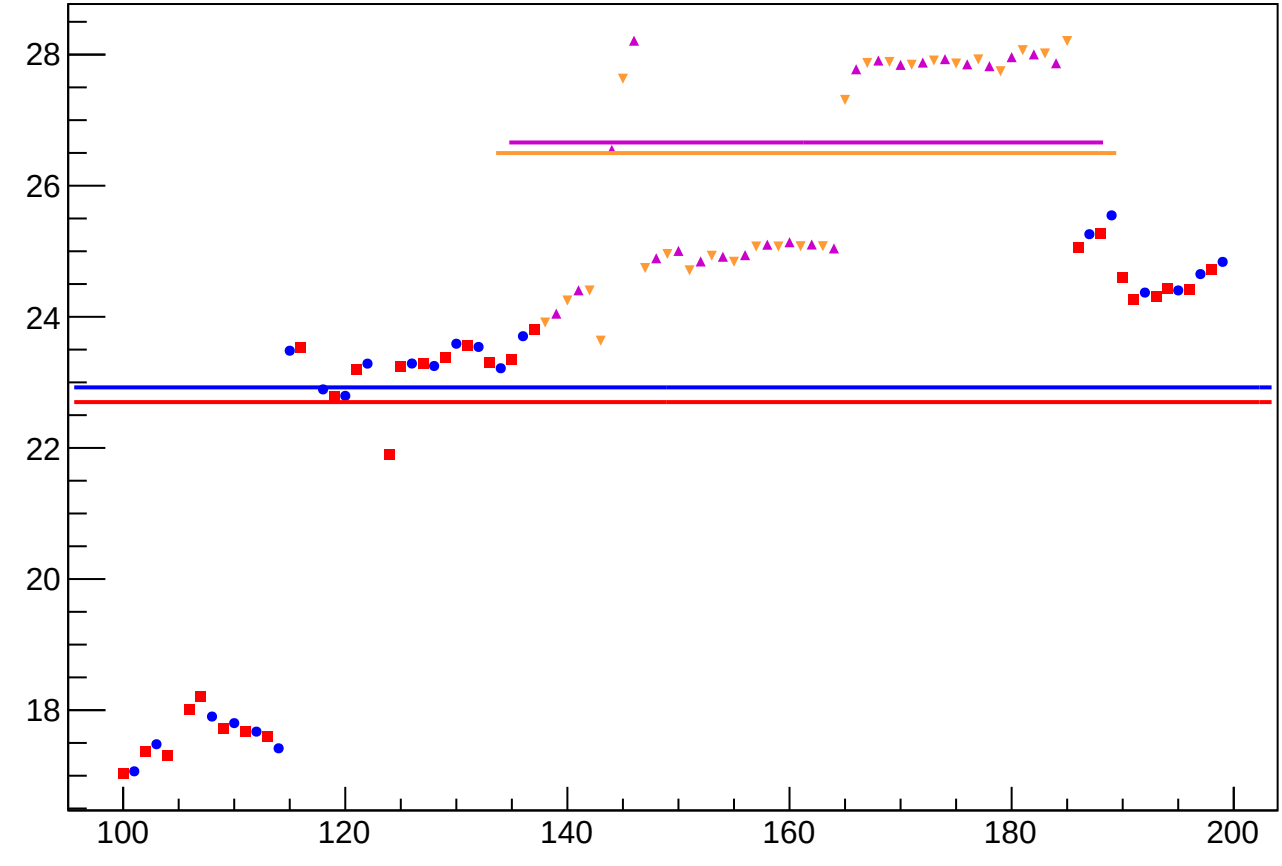
Right: 0.013+/-0.000 χ^2/NDF: 6045809.4/48

In: 0.011+/-0.000 χ^2/NDF:3841993.2/44

Out: 0.011+/-0.000 χ^2/NDF:5189943.7/51

All: 0.011+/-0.000 χ^2/NDF: 9032137.3/96

yield_sam2_mean vs Slug, Sign Corrected



Right In: 22.924+/-0.000 χ^2/NDF: 1357938272.3/21

Left Out: 26.498+/-0.000 χ^2/NDF:3909357236.5/24

Right Out: 22.699+/-0.000 χ^2/NDF: 1436271076.8/26

Left In: 26.660+/-0.000 χ^2/NDF:2886823196.4/22

Left: 26.575+/-0.000 χ^2/NDF: 6814787304.8/47

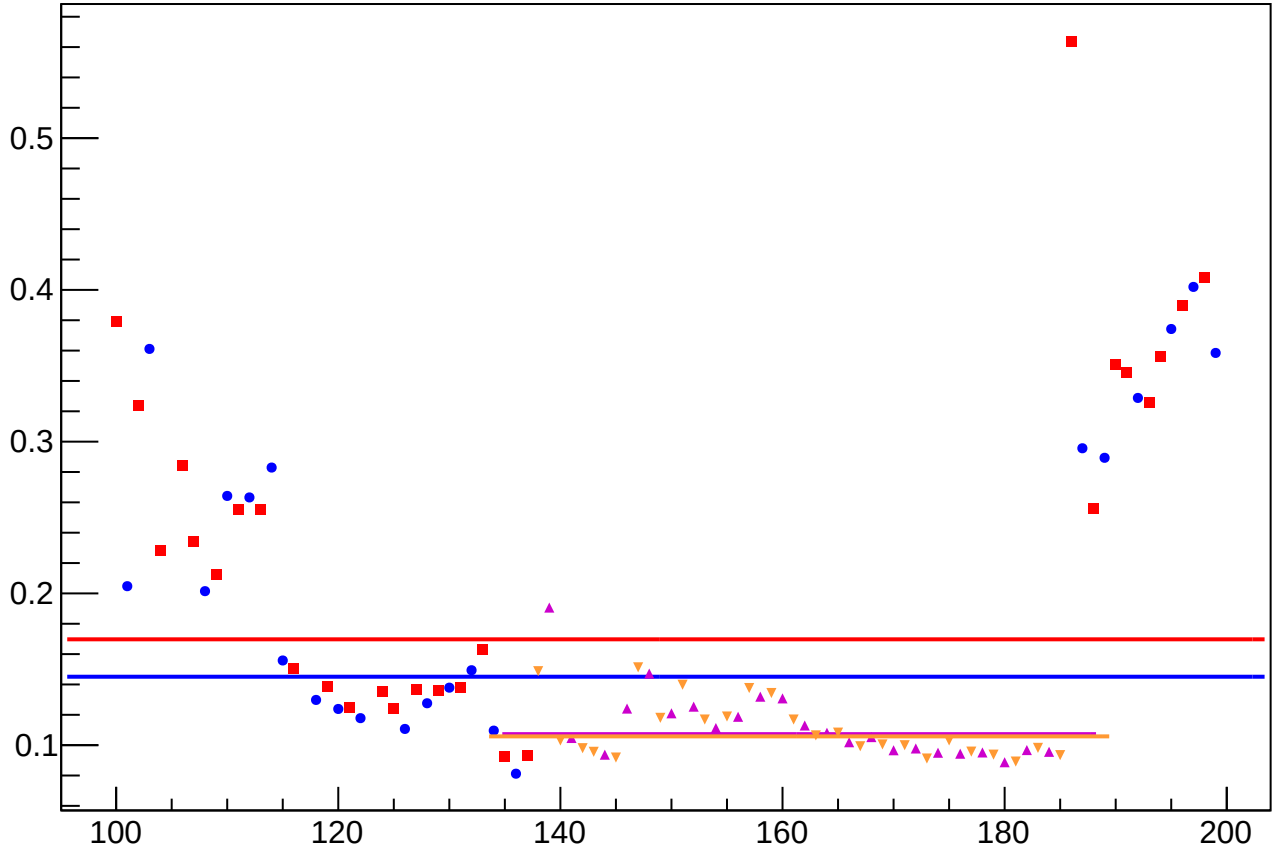
Right: 22.820+/-0.000 χ^2/NDF: 2803016332.0/48

In: 25.846+/-0.000 χ^2/NDF:8378202181.8/44

Out: 25.816+/-0.000 χ^2/NDF:9184721991.4/51

All: 25.831+/-0.000 χ^2/NDF: 17563722297.2

yield_sam2_rms vs Slug, Sign Corrected



Right In: 0.145+/-0.000 χ^2/NDF: 4917939.1/21

Left Out: 0.106+/-0.000 χ^2/NDF:756185.0/24

Right Out: 0.170+/-0.000 χ^2/NDF: 4791285.3/26

Left In: 0.107+/-0.000 χ^2/NDF:859458.3/22

Left: 0.106+/-0.000 χ^2/NDF: 1618736.7/47

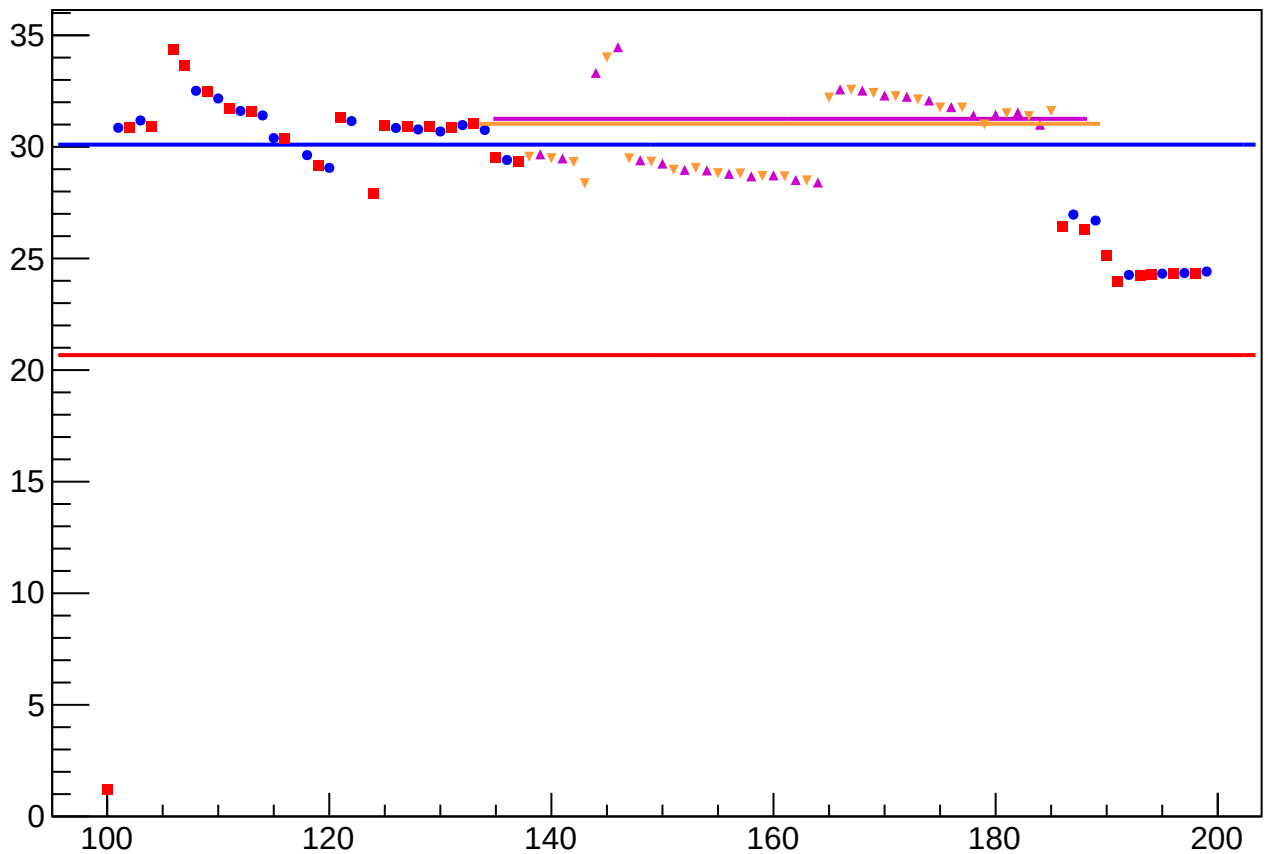
Right: 0.156+/-0.000 χ^2/NDF: 9921424.3/48

In: 0.116+/-0.000 χ^2/NDF:6625280.8/44

Out: 0.117+/-0.000 χ^2/NDF:7724316.5/51

All: 0.116+/-0.000 χ^2/NDF: 14355088.8/96

yield_sam3_mean vs Slug, Sign Corrected



Right In: 30.100+/-0.000 χ^2/NDF: 2816424146.9/21

Left Out: 31.035+/-0.000 χ^2/NDF:11897463221.2/24

Right Out: 20.671+/-0.000 χ^2/NDF: 223802678125.2/26

Left In: 31.256+/-0.000 χ^2/NDF:12589744083.0/22

Left: 31.143+/-0.000 χ^2/NDF: 24589664395.0/47

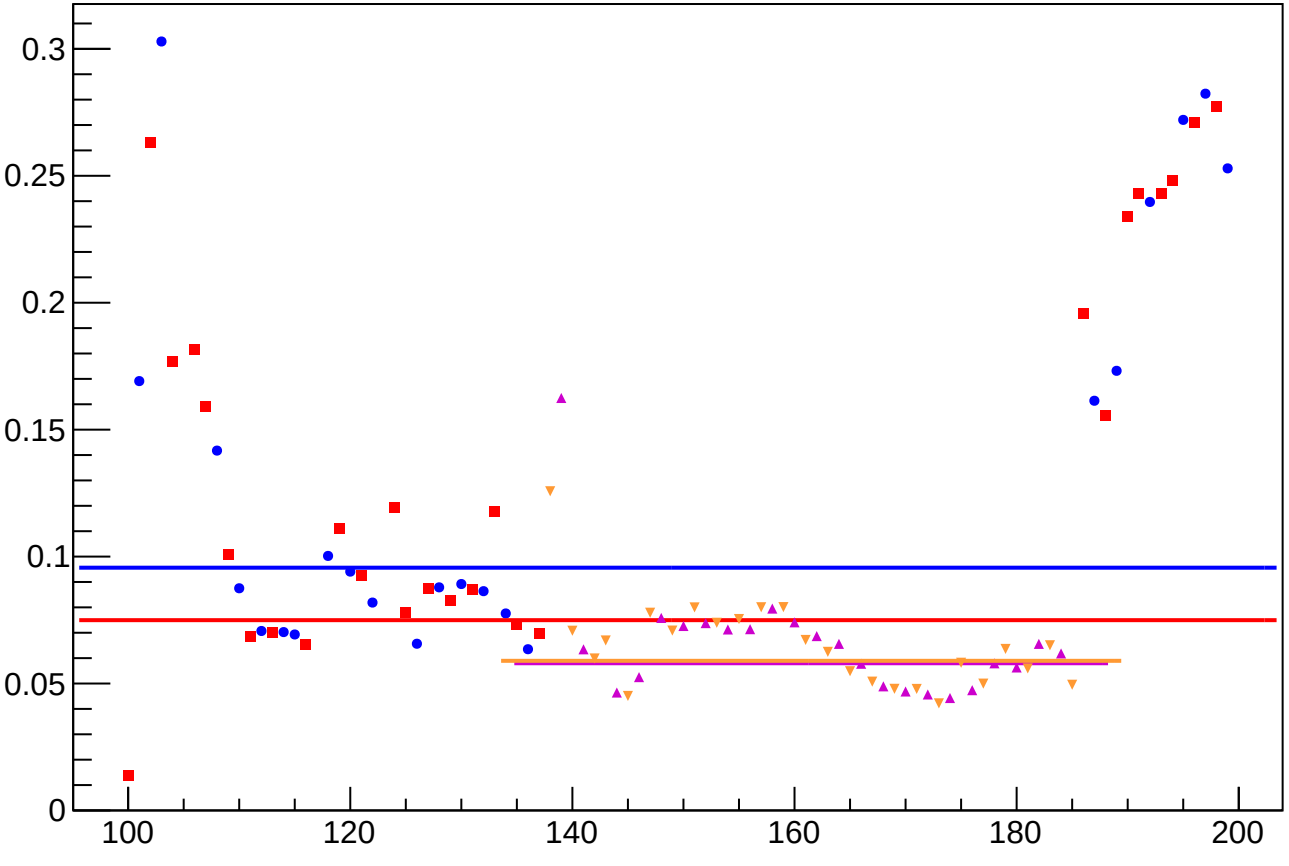
Right: 24.586+/-0.000 χ^2/NDF: 270729477159.5/48

In: 31.058+/-0.000 χ^2/NDF:16346466975.9/44

Out: 28.774+/-0.000 χ^2/NDF:336047543162.1/51

All: 29.861+/-0.000 χ^2/NDF: 365995740332.

yield_sam3_rms vs Slug, Sign Corrected



Right In: 0.096+/-0.000 χ^2/NDF: 4576373.6/21

Left Out: 0.059+/-0.000 χ^2/NDF:1536601.0/24

Right Out: 0.075+/-0.000 χ^2/NDF: 9069077.3/26

Left In: 0.058+/-0.000 χ^2/NDF:1716553.7/22

Left: 0.058+/-0.000 χ^2/NDF: 3257018.5/47

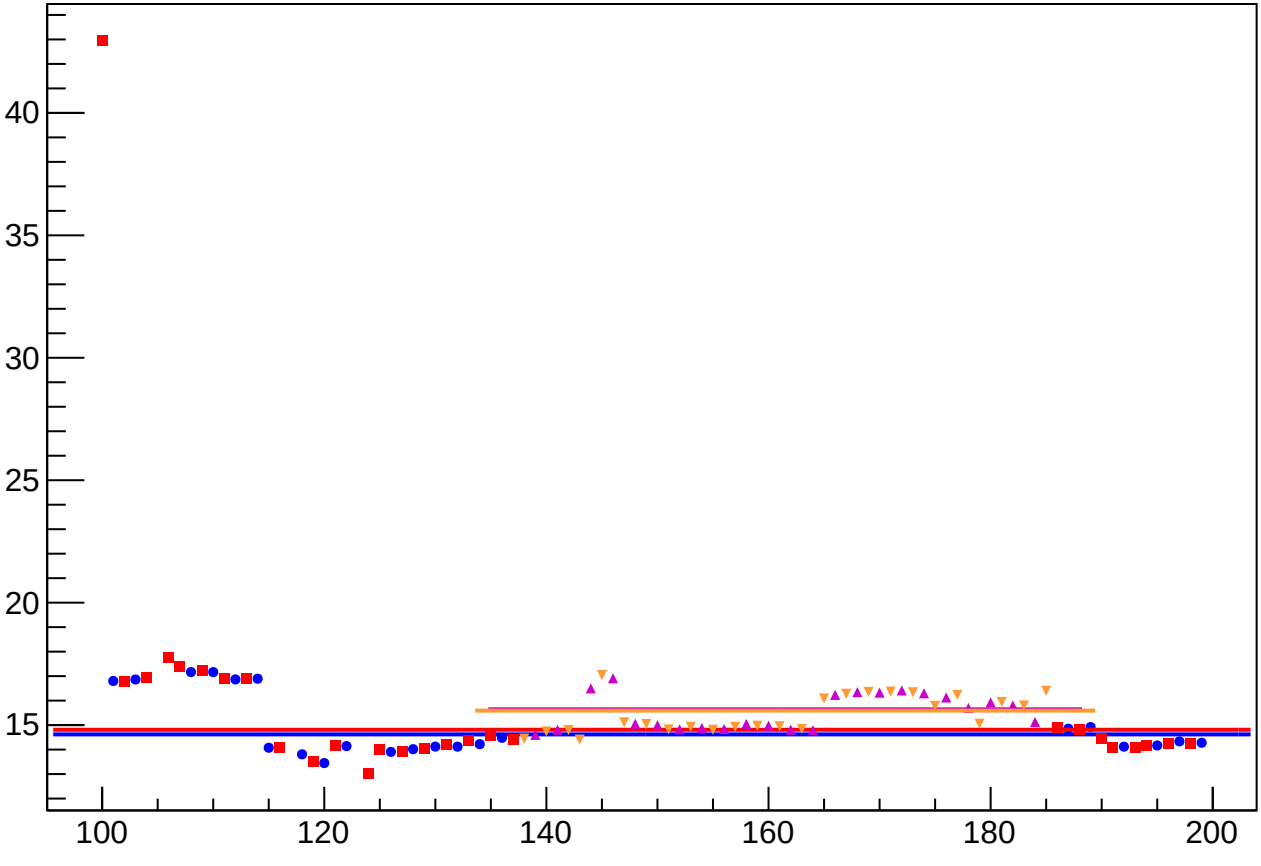
Right: 0.084+/-0.000 χ^2/NDF: 14069497.8/48

In: 0.064+/-0.000 χ^2/NDF:8287419.8/44

Out: 0.062+/-0.000 χ^2/NDF:11084700.7/51

All: 0.063+/-0.000 χ^2/NDF: 19392336.2/96

yield_sam4_mean vs Slug, Sign Corrected



Right In: 14.620+/-0.000 χ^2/NDF: 1207945398.4/21

Left Out: 15.591+/-0.000 χ^2/NDF:2257437225.0/24

Right Out: 14.810+/-0.000 χ^2/NDF: 1763462923.3/26

Left In: 15.645+/-0.000 χ^2/NDF:1858454747.6/22

Left: 15.617+/-0.000 χ^2/NDF: 4121246437.2/47

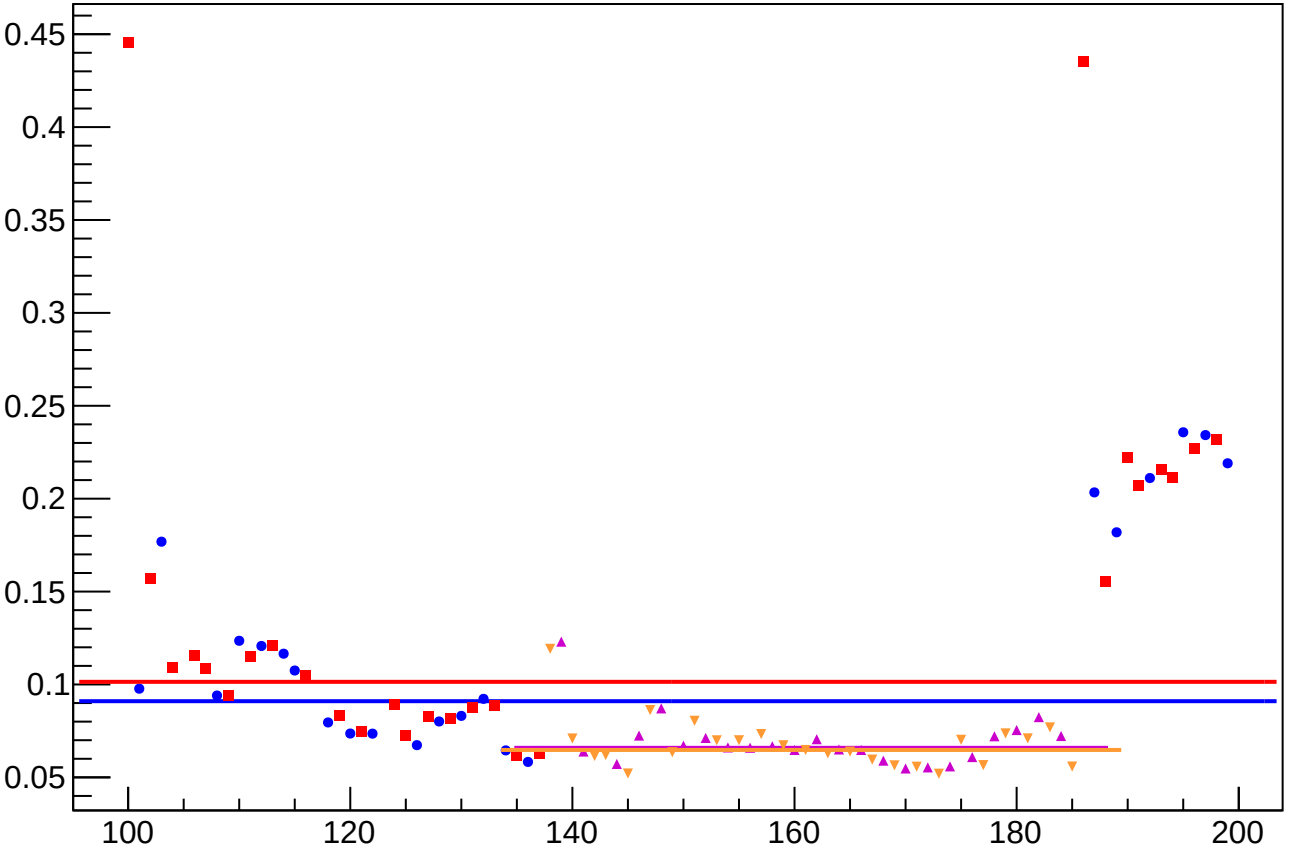
Right: 14.711+/-0.000 χ^2/NDF: 2989033288.6/48

In: 15.416+/-0.000 χ^2/NDF:3904369264.9/44

Out: 15.440+/-0.000 χ^2/NDF:4483748883.2/51

All: 15.428+/-0.000 χ^2/NDF: 8389418384.6/9

yield_sam4_rms vs Slug, Sign Corrected



Right In: 0.091+/-0.000 χ^2/NDF: 4012844.5/21

Left Out: 0.065+/-0.000 χ^2/NDF:855753.3/24

Right Out: 0.101+/-0.000 χ^2/NDF: 4088056.5/26

Left In: 0.066+/-0.000 χ^2/NDF:788235.2/22

Left: 0.065+/-0.000 χ^2/NDF: 1648838.5/47

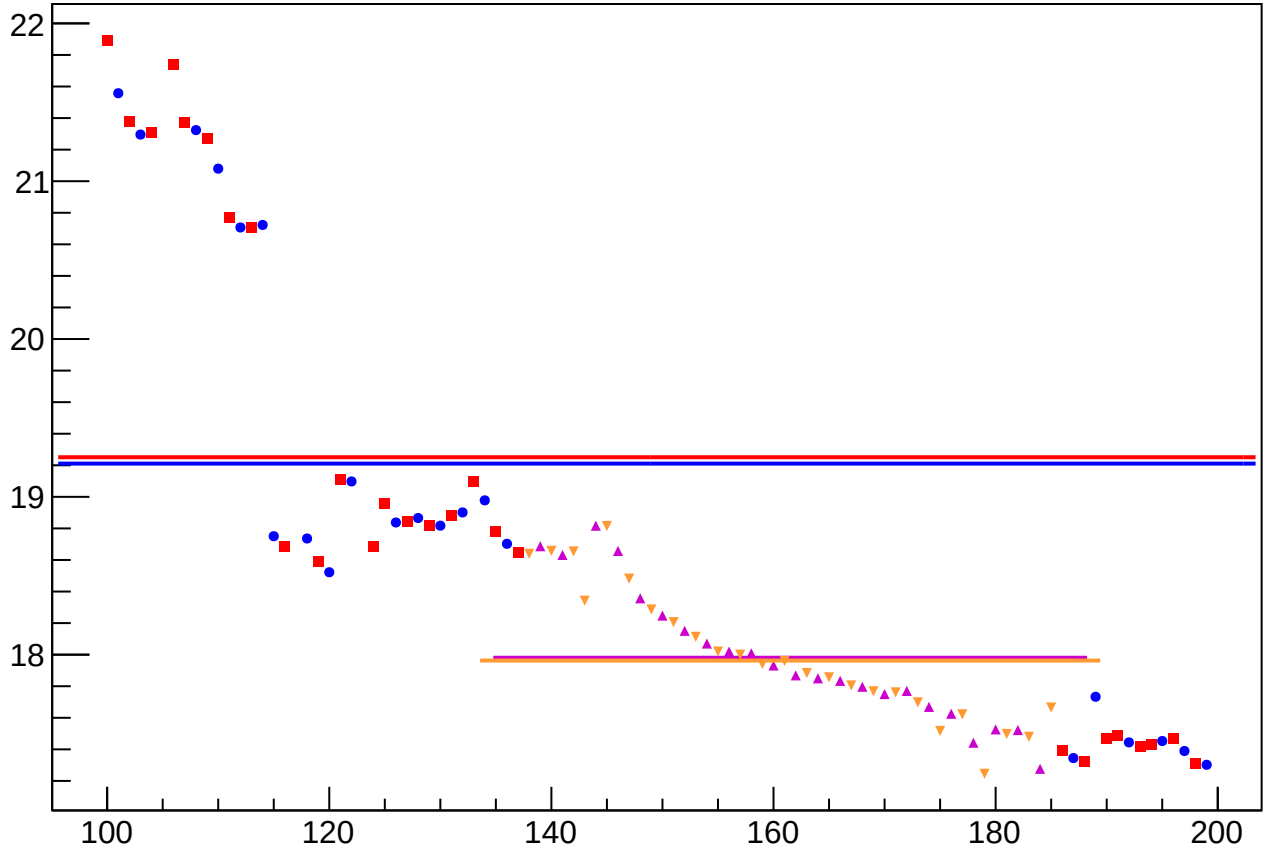
Right: 0.096+/-0.000 χ^2/NDF: 8207612.4/48

In: 0.071+/-0.000 χ^2/NDF:5808092.0/44

Out: 0.072+/-0.000 χ^2/NDF:6982724.9/51

All: 0.072+/-0.000 χ^2/NDF: 12791469.4/96

yield_sam5_mean vs Slug, Sign Corrected



Right In: 19.211+/-0.000 χ^2/NDF: 24162683960.2/21

Left Out: 17.963+/-0.000 χ^2/NDF:3041551307.2/24

Right Out: 19.251+/-0.000 χ^2/NDF: 27113097543.9/26

Left In: 17.980+/-0.000 χ^2/NDF:2720441956.8/22

Left: 17.971+/-0.000 χ^2/NDF: 5764899395.7/47

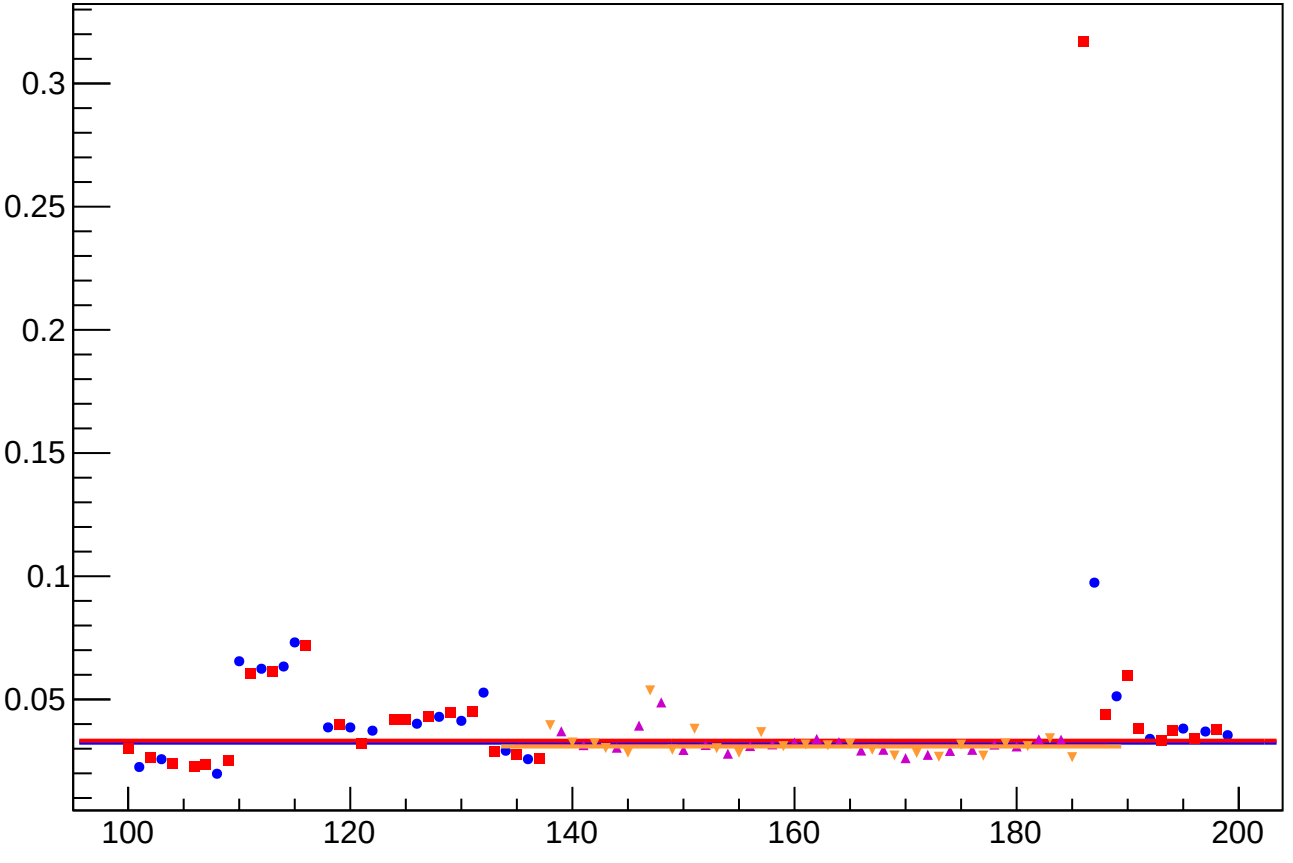
Right: 19.231+/-0.000 χ^2/NDF: 51283519801.4/48

In: 18.403+/-0.000 χ^2/NDF:36181730151.8/44

Out: 18.398+/-0.000 χ^2/NDF:40902357846.8/51

All: 18.400+/-0.000 χ^2/NDF: 77084559148.0

yield_sam5_rms vs Slug, Sign Corrected



Right In: 0.032+/-0.000 χ^2/NDF: 1877869.0/21

Left Out: 0.031+/-0.000 χ^2/NDF:633519.6/24

Right Out: 0.033+/-0.000 χ^2/NDF: 2180660.6/26

Left In: 0.031+/-0.000 χ^2/NDF:482919.2/22

Left: 0.031+/-0.000 χ^2/NDF: 1117566.2/47

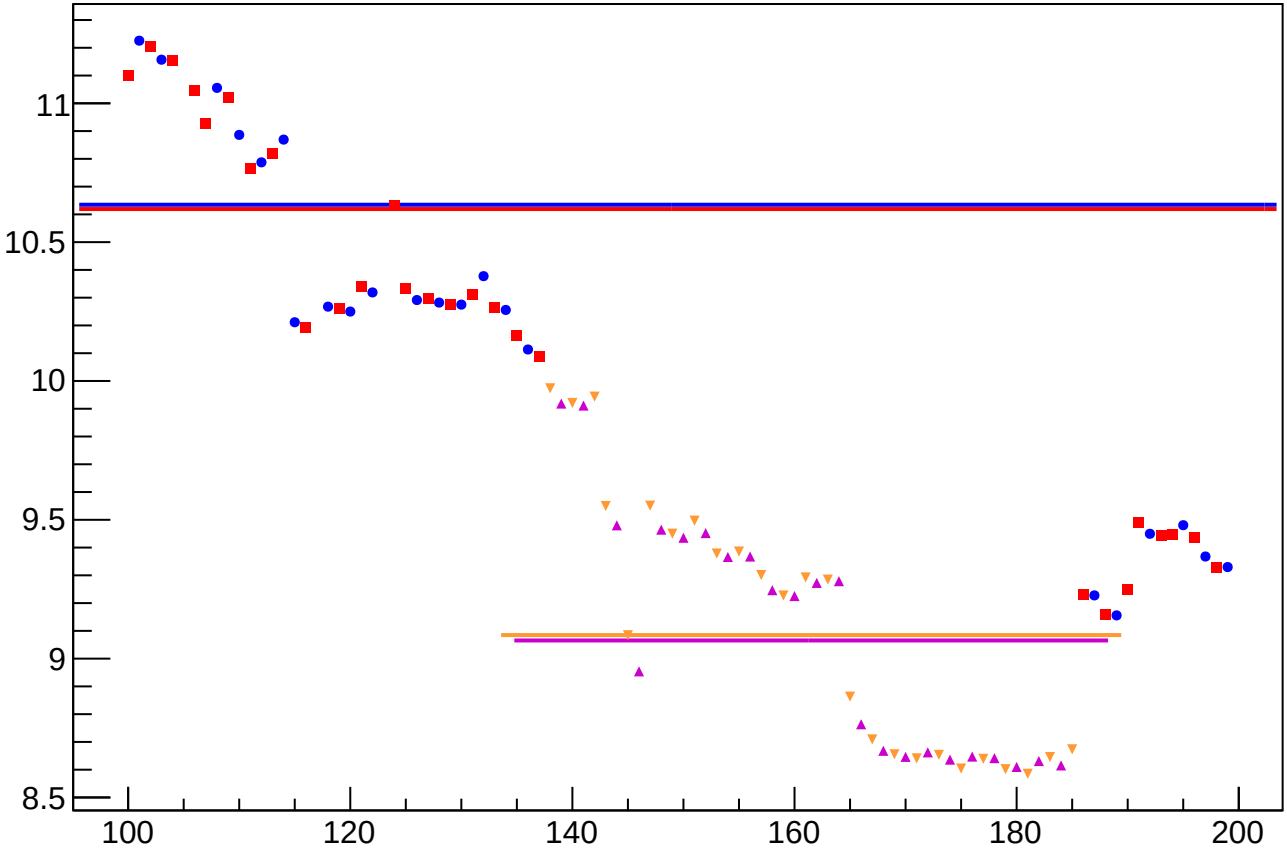
Right: 0.033+/-0.000 χ^2/NDF: 4064831.0/48

In: 0.032+/-0.000 χ^2/NDF:2381900.0/44

Out: 0.032+/-0.000 χ^2/NDF:2886892.7/51

All: 0.032+/-0.000 χ^2/NDF: 5269086.9/96

yield_sam6_mean vs Slug, Sign Corrected



Right In: 10.635+/-0.000 χ^2/NDF: 9640151366.8/21

Left Out: 9.085+/-0.000 χ^2/NDF:10203625727.4/24

Right Out: 10.619+/-0.000 χ^2/NDF: 9163160791.9/26

Left In: 9.065+/-0.000 χ^2/NDF:8070708662.0/22

Left: 9.076+/-0.000 χ^2/NDF: 18283226528.9/47

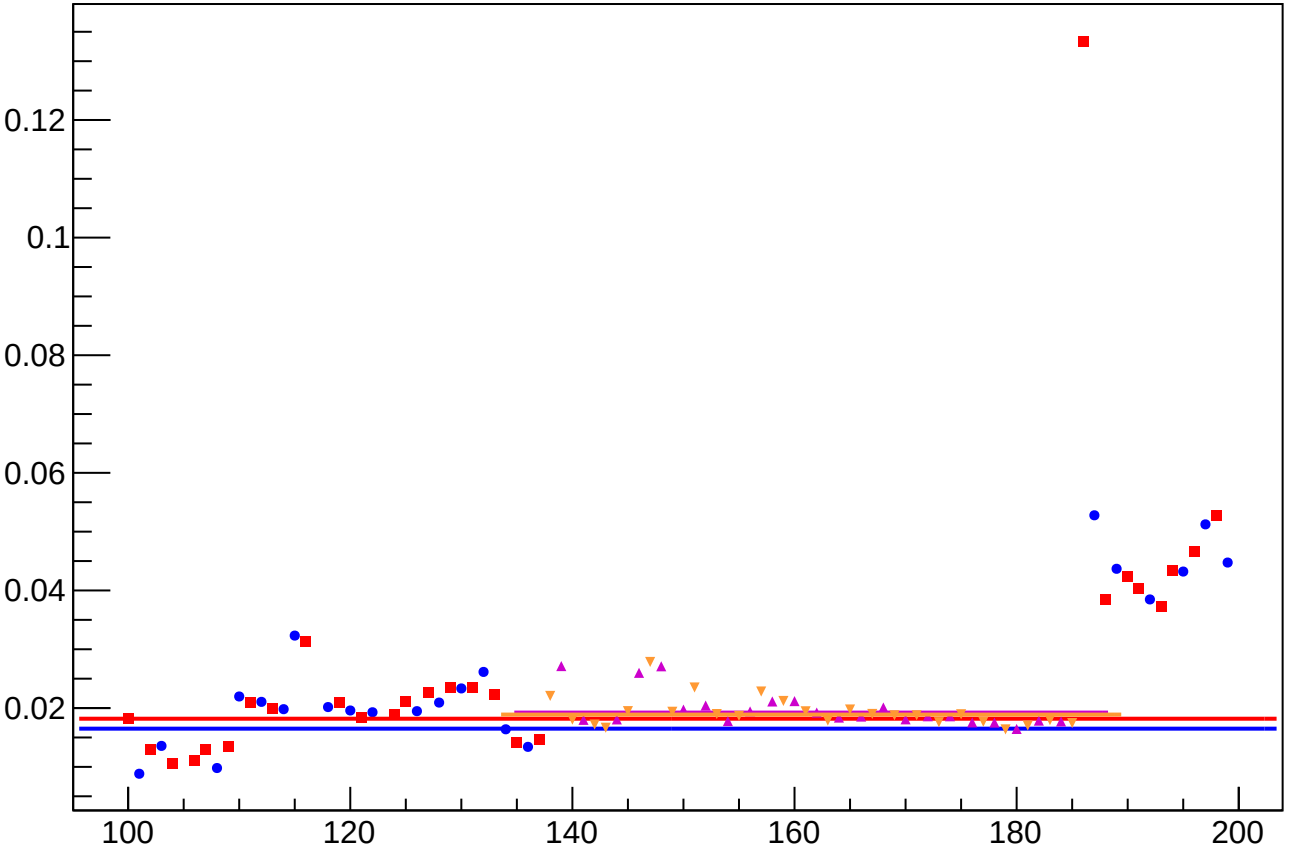
Right: 10.627+/-0.000 χ^2/NDF: 18806790444.3/48

In: 9.693+/-0.000 χ^2/NDF:61775820397.1/44

Out: 9.643+/-0.000 χ^2/NDF:61586822767.8/51

All: 9.667+/-0.000 χ^2/NDF: 123454830403.5

yield_sam6_rms vs Slug, Sign Corrected



Right In: 0.016+/-0.000 χ^2/NDF: 5039107.3/21

Left Out: 0.019+/-0.000 χ^2/NDF:441360.7/24

Right Out: 0.018+/-0.000 χ^2/NDF: 5214401.8/26

Left In: 0.019+/-0.000 χ^2/NDF:540886.4/22

Left: 0.019+/-0.000 χ^2/NDF: 987575.7/47

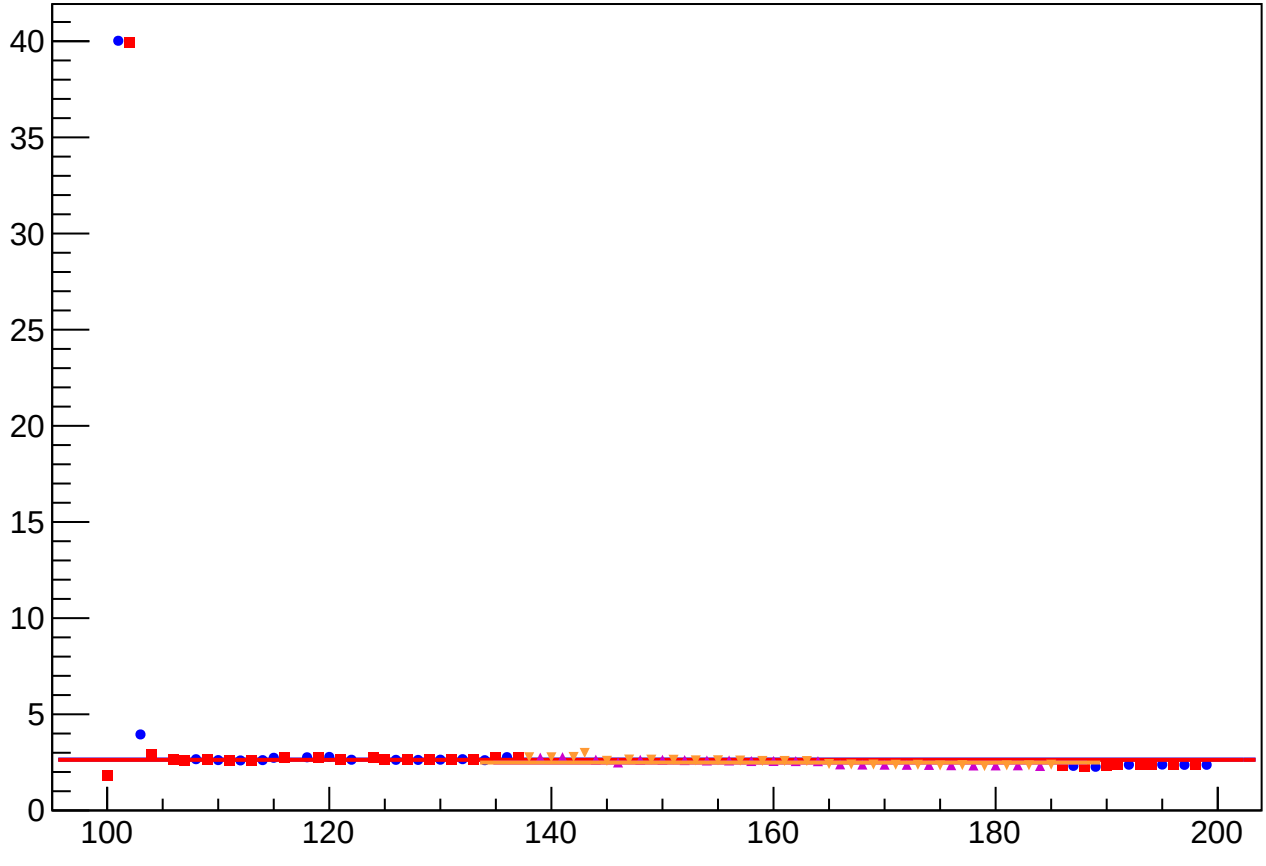
Right: 0.017+/-0.000 χ^2/NDF: 10336359.5/48

In: 0.018+/-0.000 χ^2/NDF:5847147.3/44

Out: 0.019+/-0.000 χ^2/NDF:5673556.7/51

All: 0.018+/-0.000 χ^2/NDF: 11539591.1/96

yield_sam7_mean vs Slug, Sign Corrected



Right In: 2.646+/-0.000 χ^2/NDF: 75888087175.2/21

Left Out: 2.491+/-0.000 χ^2/NDF:92364283353.6/24

Right Out: 2.631+/-0.000 χ^2/NDF: 76143881118.1/26

Left In: 2.489+/-0.000 χ^2/NDF:61212546319.1/22

Left: 2.490+/-0.000 χ^2/NDF: 153590739615.6/47

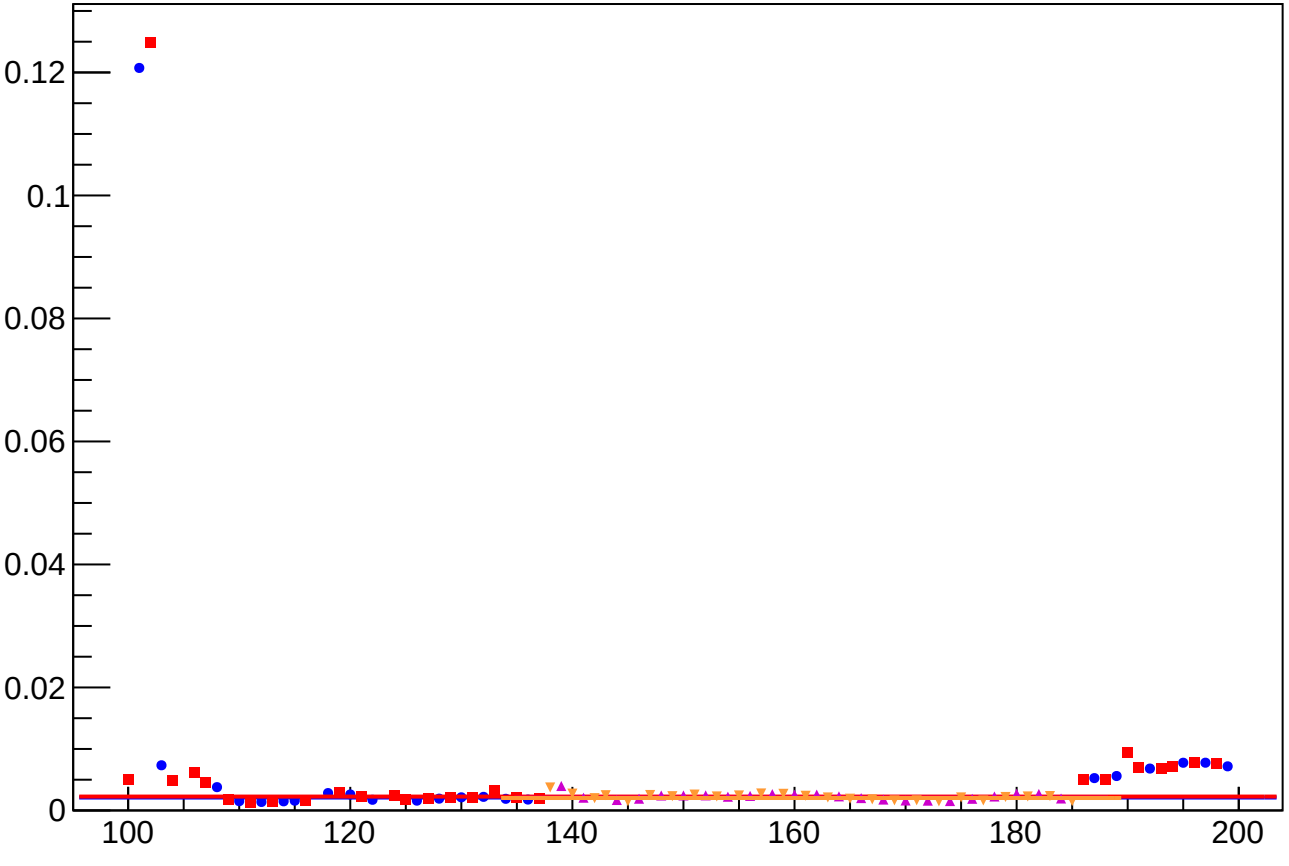
Right: 2.639+/-0.000 χ^2/NDF: 152195255883.7/48

In: 2.537+/-0.000 χ^2/NDF:163378684966.8/44

Out: 2.532+/-0.000 χ^2/NDF:189844437788.8/51

All: 2.534+/-0.000 χ^2/NDF: 353299330078.6

yield_sam7_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 6145710.5/21

Left Out: 0.002+/-0.000 χ^2/NDF:1556481.5/24

Right Out: 0.002+/-0.000 χ^2/NDF: 7425111.3/26

Left In: 0.002+/-0.000 χ^2/NDF:1402331.9/22

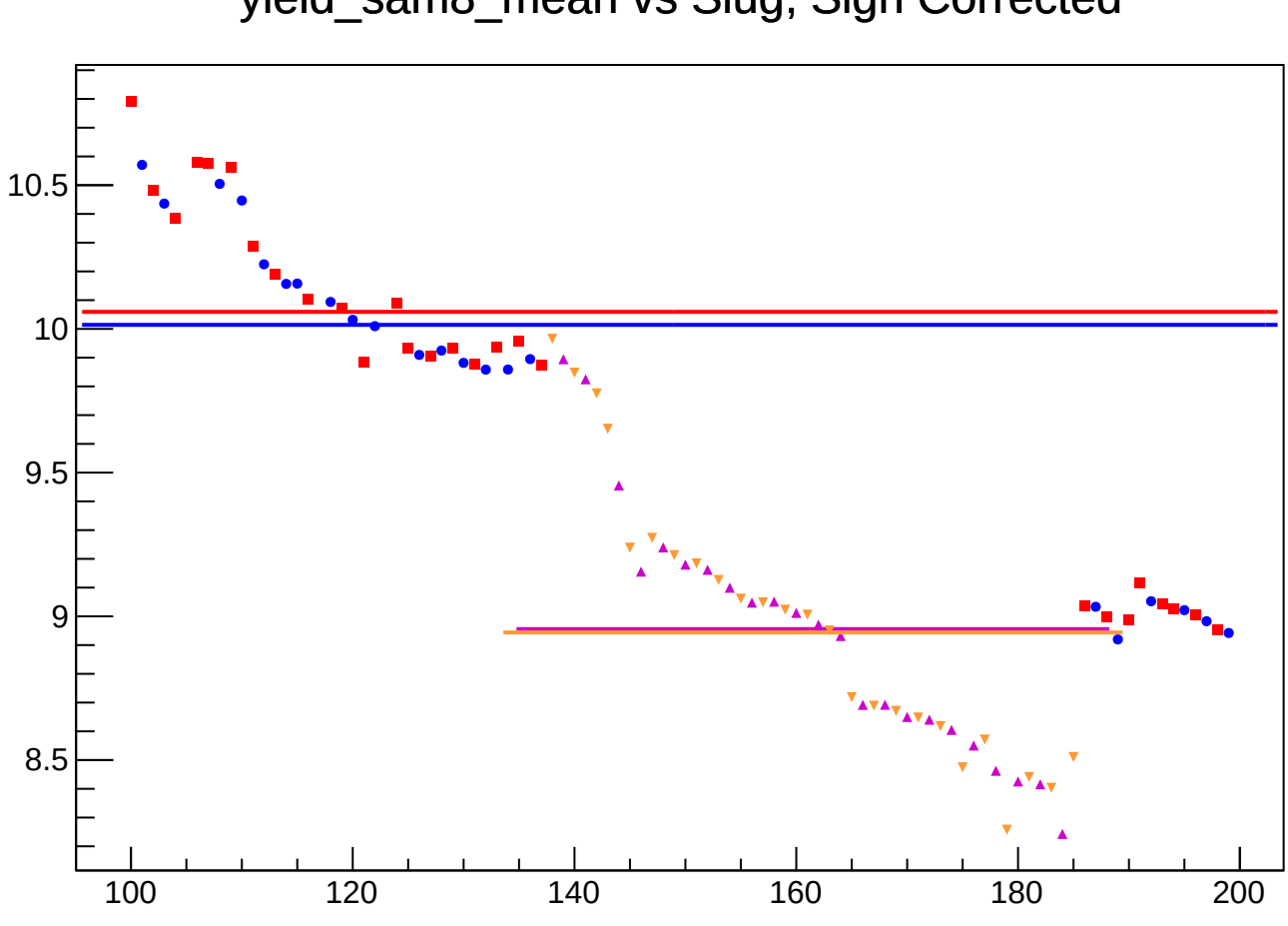
Left: 0.002+/-0.000 χ^2/NDF: 2965051.2/47

Right: 0.002+/-0.000 χ^2/NDF: 13608009.4/48

In: 0.002+/-0.000 χ^2/NDF:7550850.1/44

Out: 0.002+/-0.000 χ^2/NDF:9100667.5/51

All: 0.002+/-0.000 χ^2/NDF: 16652581.6/96



Right In: 10.014+/-0.000 χ^2/NDF: 28836431482.9/21

Left Out: 8.944+/-0.000 χ^2/NDF:65887712966.5/24

Right Out: 10.059+/-0.000 χ^2/NDF: 34313383904.0/26

Left In: 8.956+/-0.000 χ^2/NDF:51572164470.4/22

Left: 8.949+/-0.000 χ^2/NDF: 117486228855.1/47

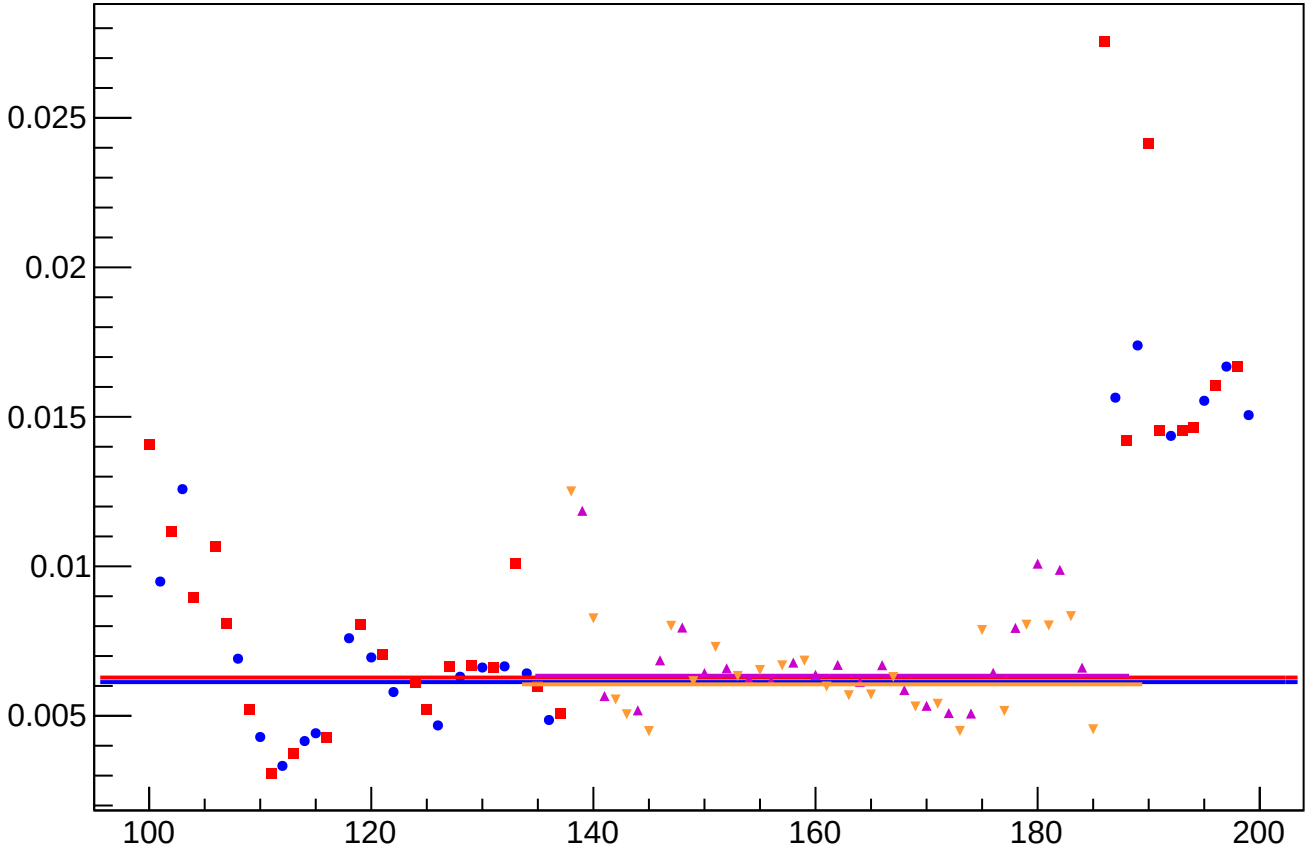
Right: 10.037+/-0.000 χ^2/NDF: 63369272595.8/48

In: 9.345+/-0.000 χ^2/NDF:229716618284.9/44

Out: 9.327+/-0.000 χ^2/NDF:278048107127.6/51

All: 9.335+/-0.000 χ^2/NDF: 507865867980.2

yield_sam8_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 4637086.7/21

Left Out: 0.006+/-0.000 χ^2/NDF:1461022.8/24

Right Out: 0.006+/-0.000 χ^2/NDF: 6074552.8/26

Left In: 0.006+/-0.000 χ^2/NDF:1175260.9/22

Left: 0.006+/-0.000 χ^2/NDF: 2667941.0/47

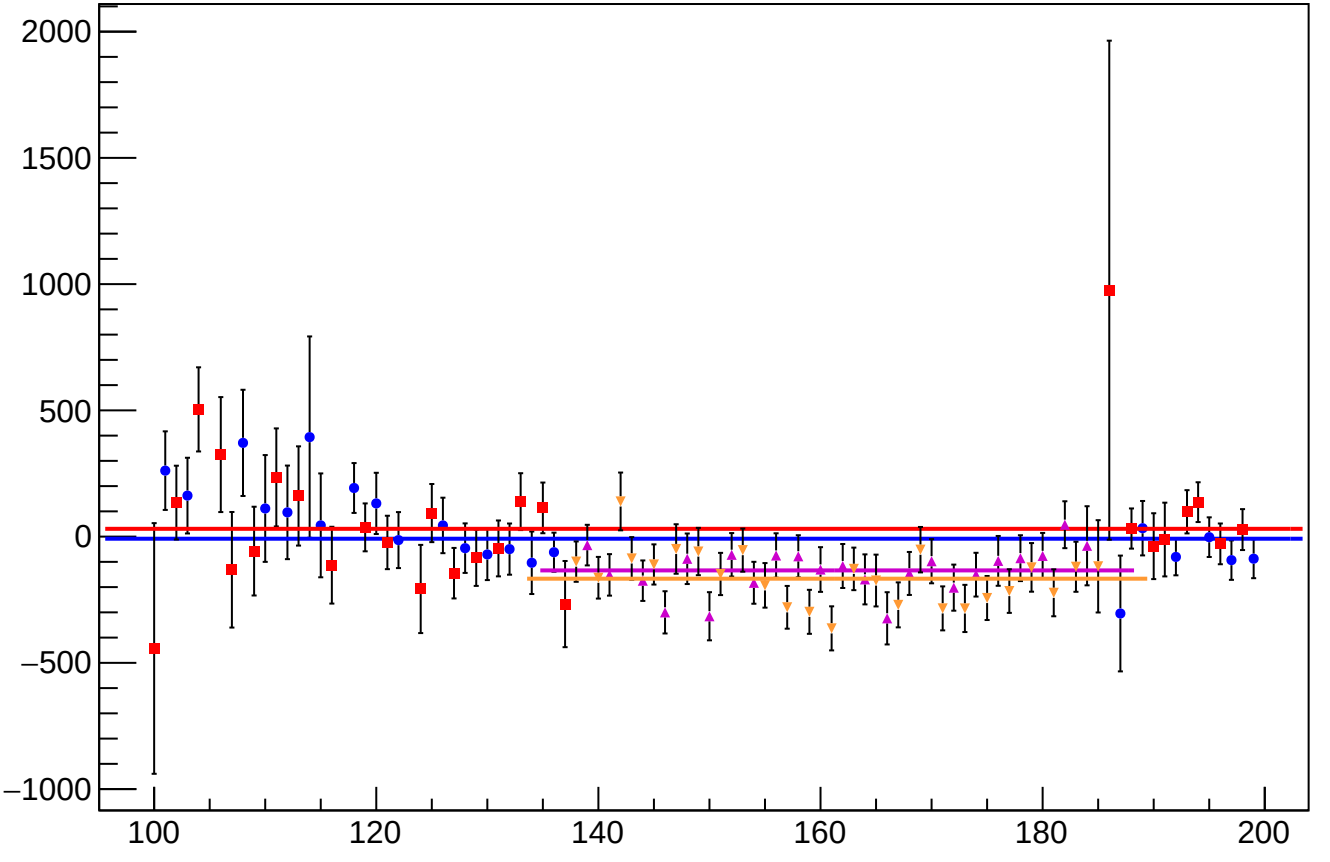
Right: 0.006+/-0.000 χ^2/NDF: 10716573.4/48

In: 0.006+/-0.000 χ^2/NDF:5824311.4/44

Out: 0.006+/-0.000 χ^2/NDF:7550147.6/51

All: 0.006+/-0.000 χ^2/NDF: 13384696.0/96

reg_asym_sam1_mean vs Slug, Sign Corrected



Right In: -8.367+/-23.296 χ^2/NDF: 21.8/21

Left Out: -166.676+/-18.079 χ^2/NDF:31.6/24

Right Out: 30.859+/-22.913 χ^2/NDF: 30.3/26

Left In: -133.843+/-18.756 χ^2/NDF:20.7/22

Left: -150.863+/-13.016 χ^2/NDF: 54.0/47

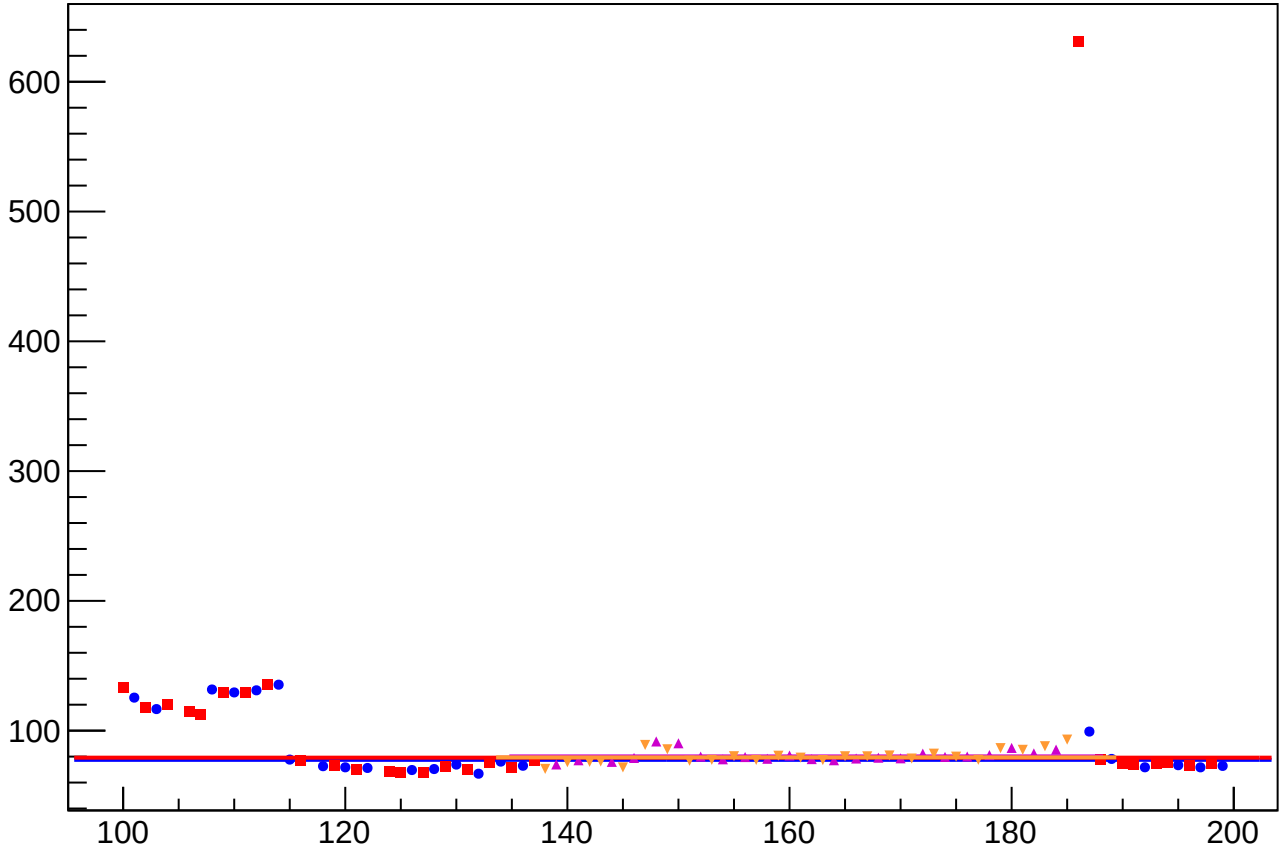
Right: 11.571+/-16.336 χ^2/NDF: 53.5/48

In: -84.497+/-14.609 χ^2/NDF:60.1/44

Out: -90.886+/-14.193 χ^2/NDF:107.7/51

All: -87.784+/-10.180 χ^2/NDF: 167.9/96

reg_asym_sam1_rms vs Slug, Sign Corrected



Right In: 77.504+/-0.016 χ^2/NDF: 911508.4/21

Left Out: 79.410+/-0.013 χ^2/NDF:134796.0/24

Right Out: 79.183+/-0.016 χ^2/NDF: 1604485.7/26

Left In: 80.160+/-0.013 χ^2/NDF:91469.5/22

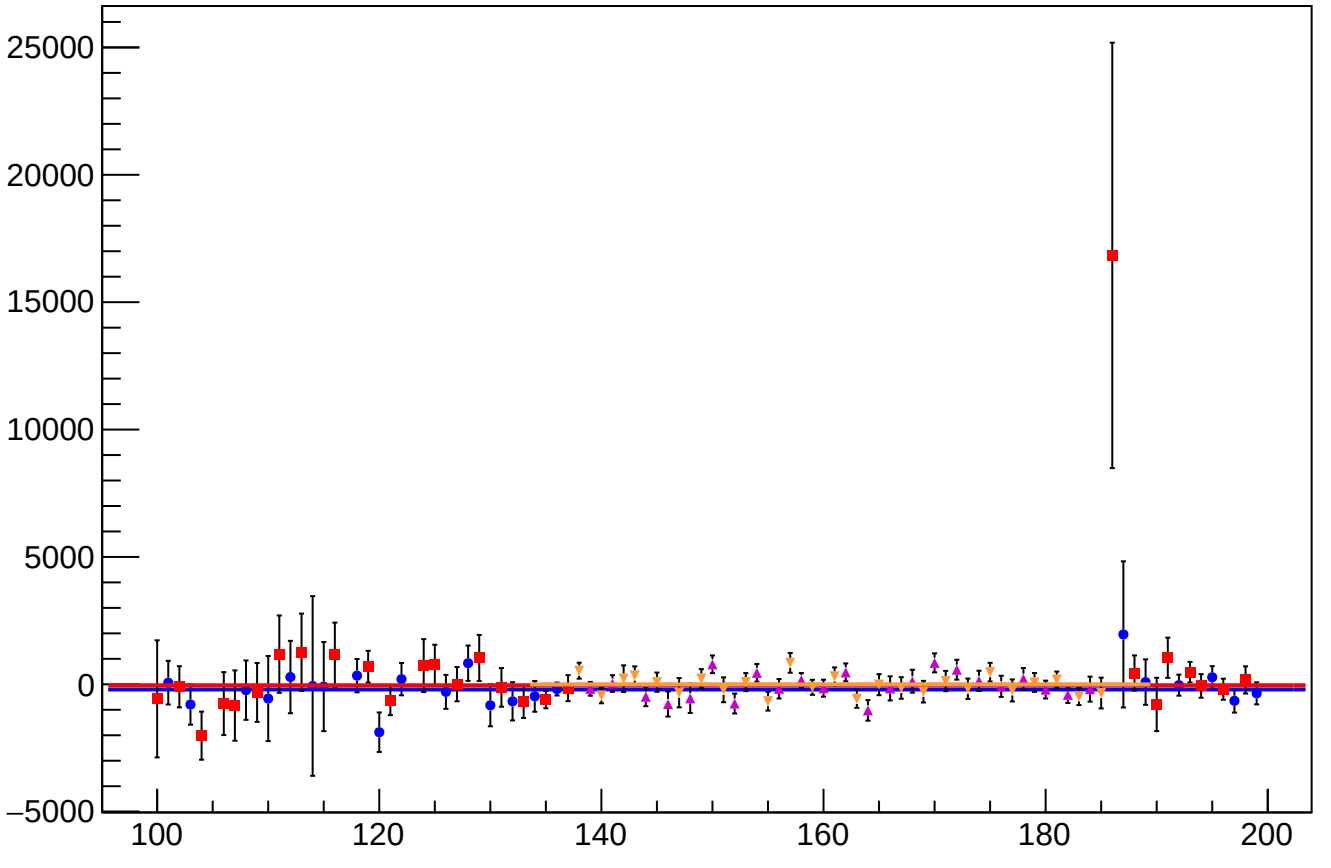
Left: 79.771+/-0.009 χ^2/NDF: 227922.3/47

Right: 78.358+/-0.012 χ^2/NDF: 2521273.6/48

In: 79.116+/-0.010 χ^2/NDF:1018746.2/44

Out: 79.323+/-0.010 χ^2/NDF:1739402.7/51

All: 79.222+/-0.007 χ^2/NDF: 2758356.5/96



Right In: -202.528+/-129.298 χ^2/NDF: 13.1/21

Left Out: -3.474+/-75.863 χ^2/NDF:24.0/24

Right Out: -36.995+/-129.913 χ^2/NDF: 25.6/26

Left In: -19.298+/-77.541 χ^2/NDF:35.0/22

Left: -11.213+/-54.227 χ^2/NDF: 59.1/47

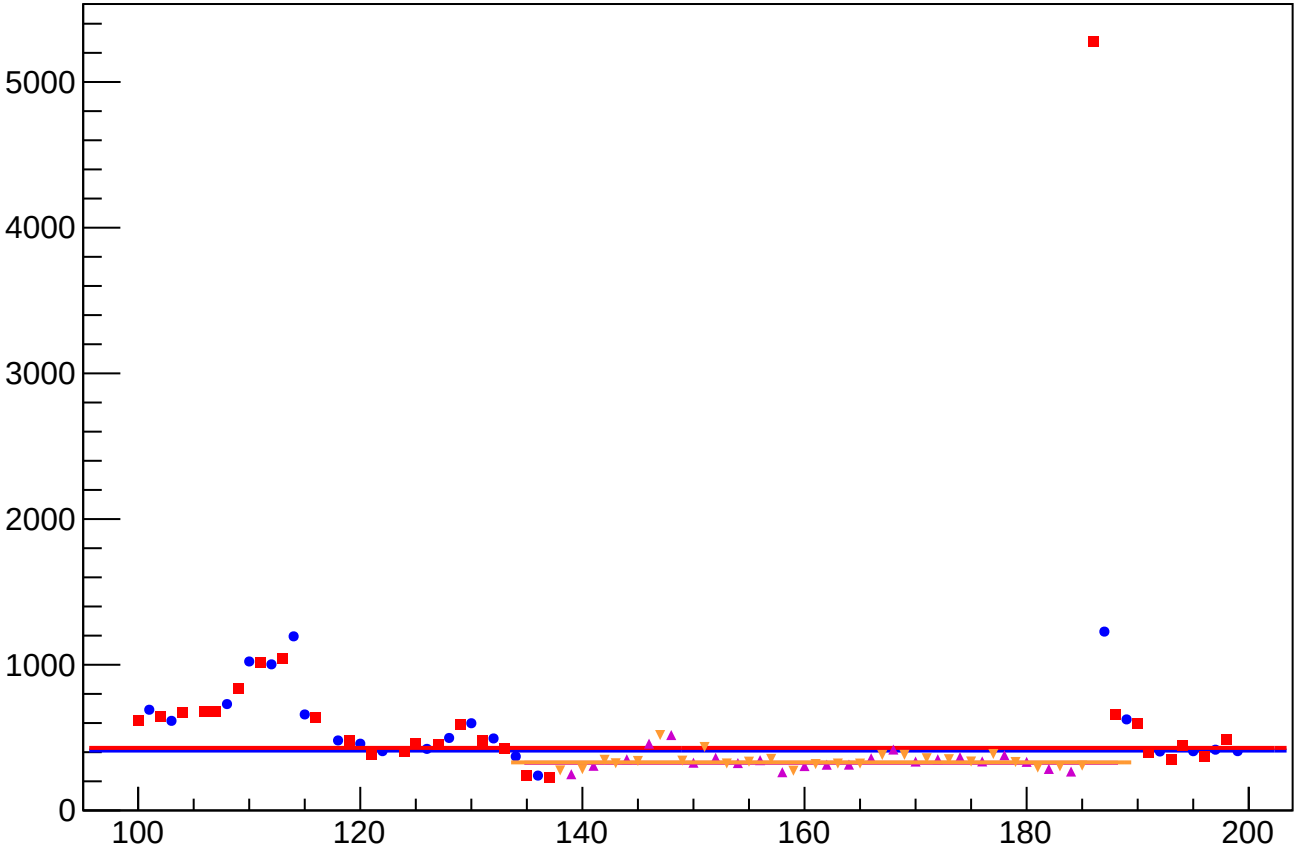
Right: -120.154+/-91.644 χ^2/NDF: 39.5/48

In: -67.765+/-66.499 χ^2/NDF:49.6/44

Out: -11.998+/-65.511 χ^2/NDF:49.7/51

All: -39.464+/-46.669 χ^2/NDF: 99.6/96

asym_sam1_reg_correction_rms vs Slug, Sign Corrected



Right In: 411.078+/-0.091 χ^2/NDF: 2643543.2/21

Left Out: 329.968+/-0.054 χ^2/NDF:659241.4/24

Right Out: 429.430+/-0.092 χ^2/NDF: 3462611.6/26

Left In: 326.963+/-0.055 χ^2/NDF:899326.3/22

Left: 328.498+/-0.038 χ^2/NDF: 1560101.8/47

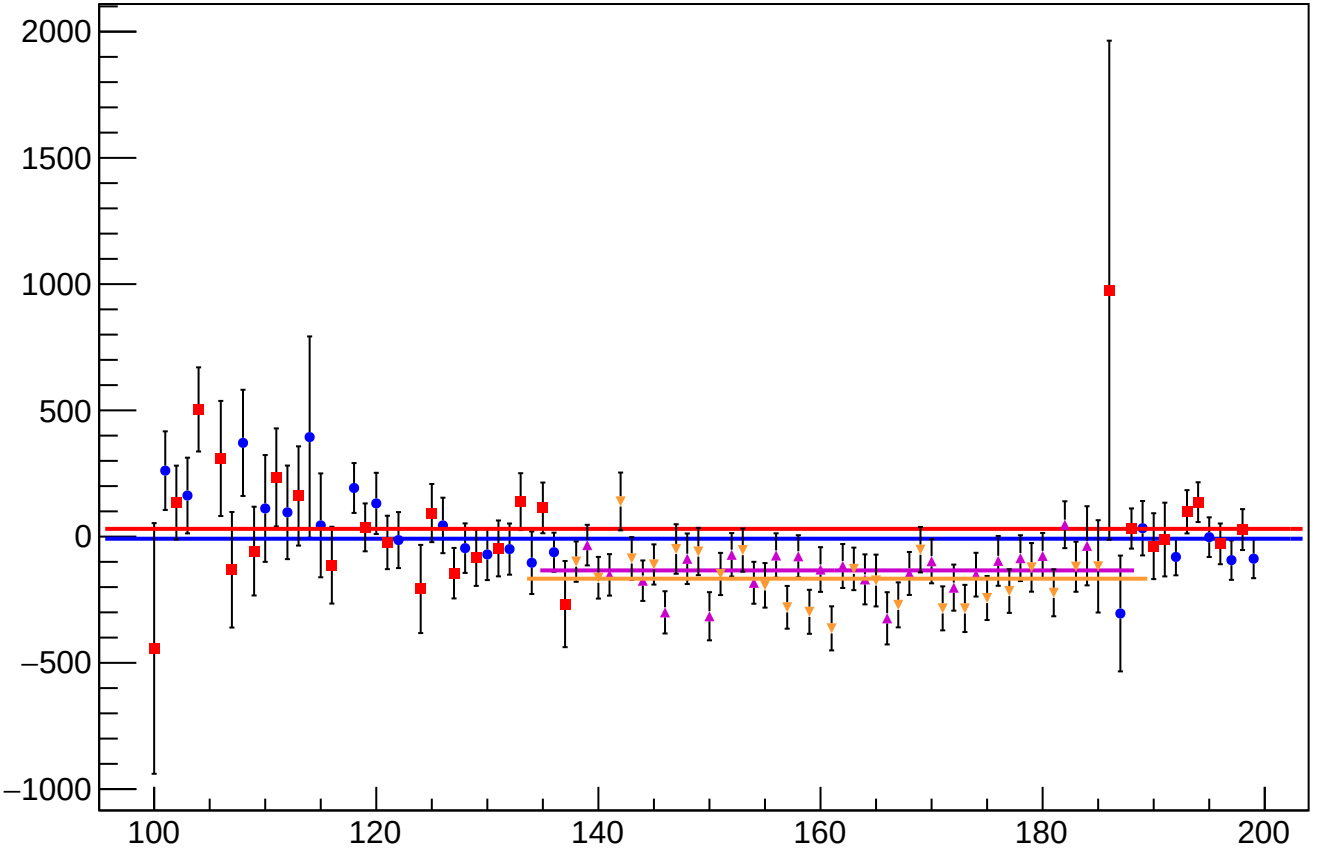
Right: 420.211+/-0.065 χ^2/NDF: 6126204.5/48

In: 349.213+/-0.047 χ^2/NDF:4165411.5/44

Out: 355.260+/-0.046 χ^2/NDF:4996060.1/51

All: 352.282+/-0.033 χ^2/NDF: 9169863.8/96

cor_asym_sam1_mean vs Slug, Sign Corrected



Right In: -8.361+/-23.296 χ^2/NDF: 21.8/21

Left Out: -166.675+/-18.079 χ^2/NDF:31.6/24

Right Out: 30.698+/-22.914 χ^2/NDF: 30.1/26

Left In: -133.850+/-18.756 χ^2/NDF:20.7/22

Left: -150.865+/-13.016 χ^2/NDF: 54.0/47

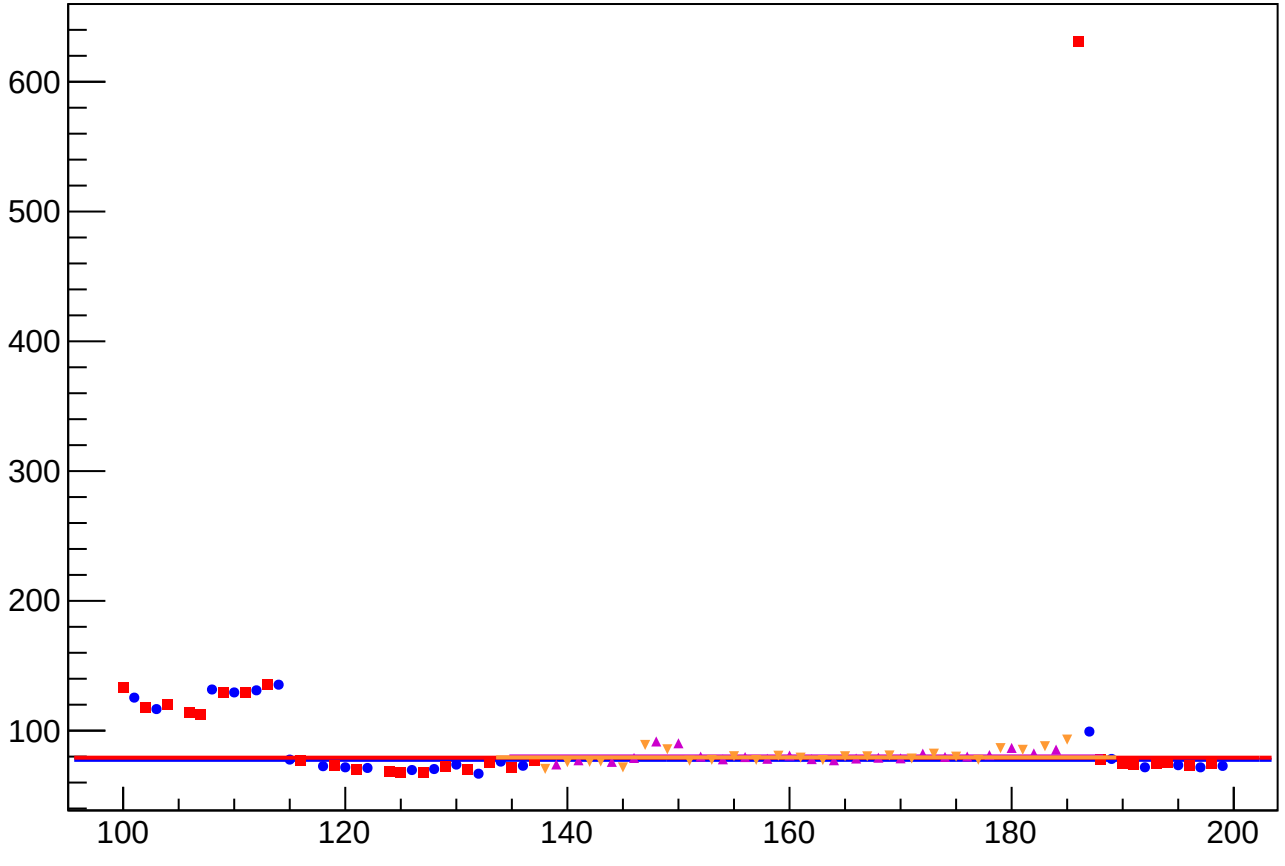
Right: 11.492+/-16.336 χ^2/NDF: 53.3/48

In: -84.499+/-14.609 χ^2/NDF:60.1/44

Out: -90.948+/-14.193 χ^2/NDF:107.5/51

All: -87.817+/-10.180 χ^2/NDF: 167.7/96

cor_asym_sam1_rms vs Slug, Sign Corrected



Right In: 77.504+/-0.016 χ^2/NDF: 911508.6/21

Left Out: 79.410+/-0.013 χ^2/NDF:134796.1/24

Right Out: 79.175+/-0.016 χ^2/NDF: 1602438.5/26

Left In: 80.160+/-0.013 χ^2/NDF:91469.5/22

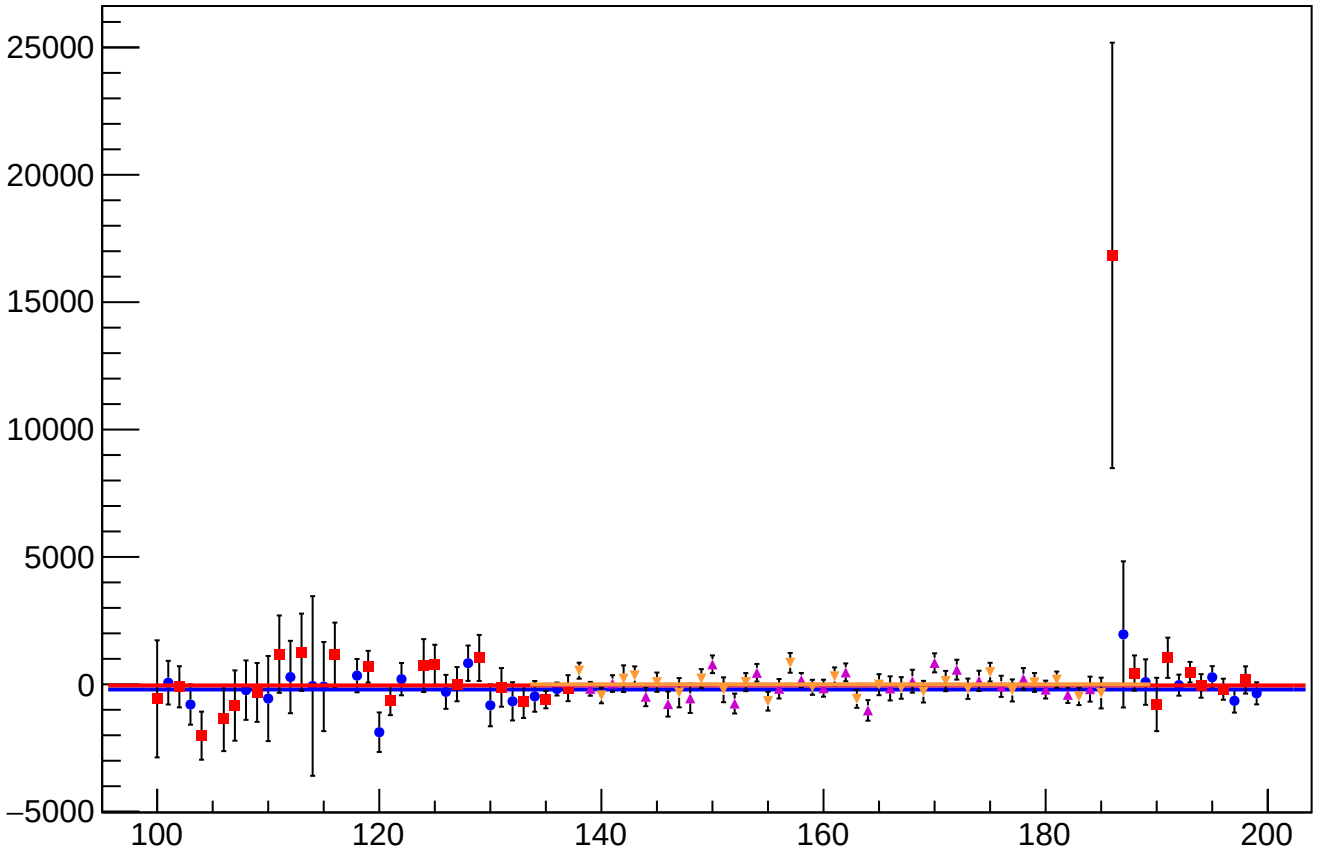
Left: 79.771+/-0.009 χ^2/NDF: 227922.4/47

Right: 78.354+/-0.012 χ^2/NDF: 2519174.6/48

In: 79.116+/-0.010 χ^2/NDF:1018746.4/44

Out: 79.320+/-0.010 χ^2/NDF:1737364.5/51

All: 79.221+/-0.007 χ^2/NDF: 2756312.2/96



Right In: -202.526+/-129.298 χ^2/NDF: 13.1/21

Left Out: -3.474+/-75.863 χ^2/NDF:24.0/24

Right Out: -42.680+/-129.956 χ^2/NDF: 26.3/26

Left In: -19.305+/-77.541 χ^2/NDF:35.0/22

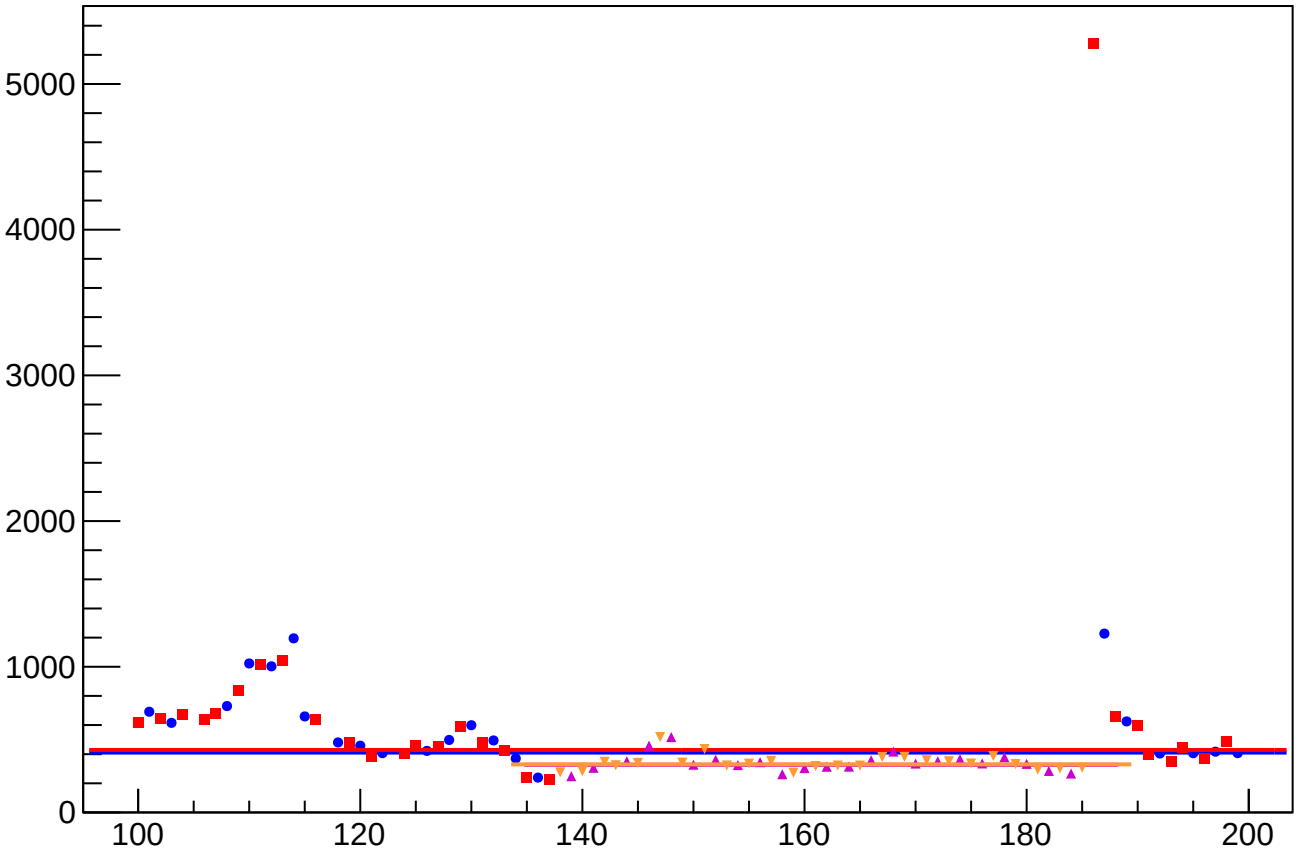
Left: -11.216+/-54.227 χ^2/NDF: 59.1/47

Right: -123.009+/-91.659 χ^2/NDF: 40.2/48

In: -67.769+/-66.499 χ^2/NDF:49.6/44

Out: -13.438+/-65.517 χ^2/NDF:50.4/51

All: -40.200+/-46.671 χ^2/NDF: 100.4/96



Right In: 411.079+/-0.091 χ^2/NDF: 2643537.7/21

Left Out: 329.968+/-0.054 χ^2/NDF:659249.8/24

Right Out: 428.856+/-0.092 χ^2/NDF: 3435344.4/26

Left In: 326.963+/-0.055 χ^2/NDF:899329.3/22

Left: 328.498+/-0.038 χ^2/NDF: 1560113.2/47

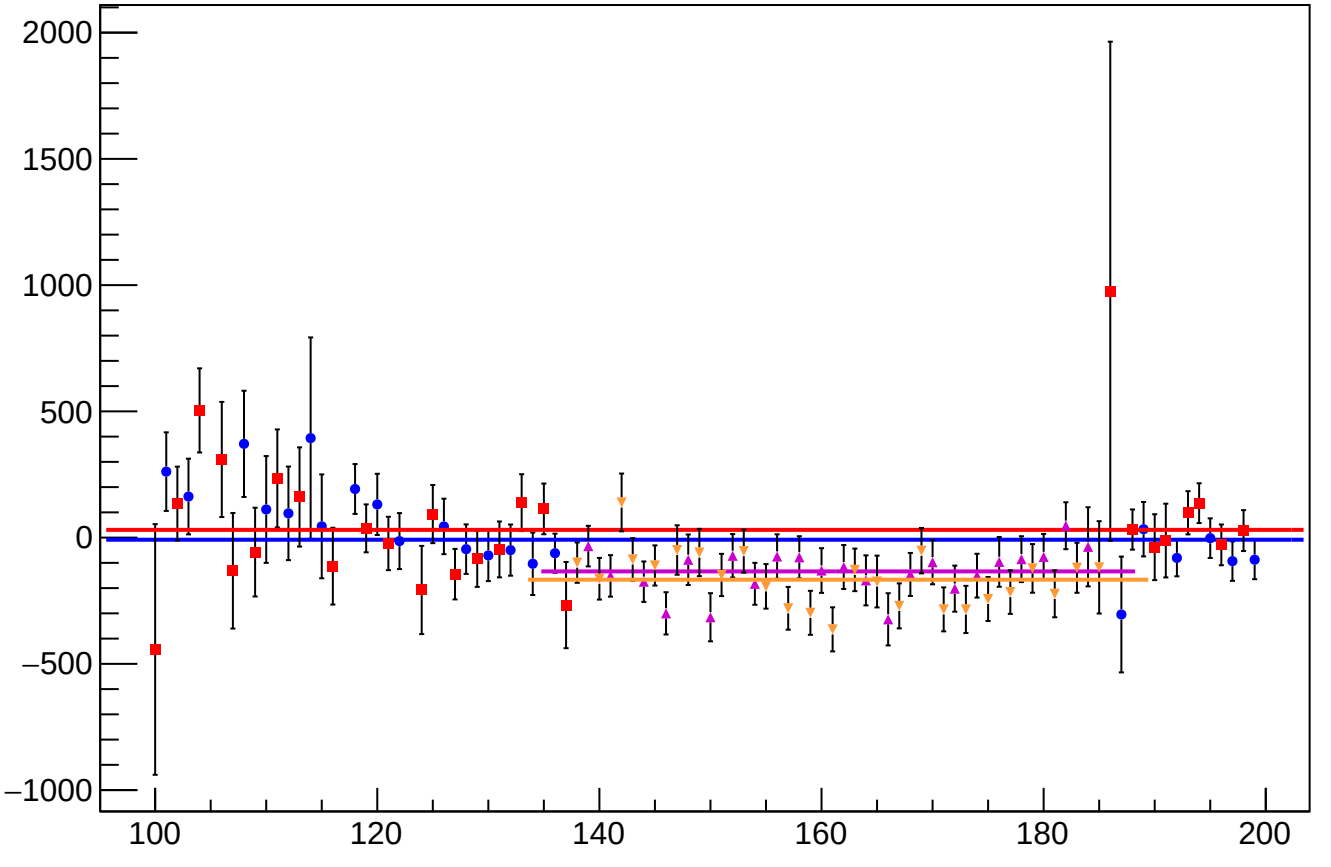
Right: 419.922+/-0.065 χ^2/NDF: 6097690.5/48

In: 349.213+/-0.047 χ^2/NDF:4165411.9/44

Out: 355.101+/-0.046 χ^2/NDF:4958312.0/51

All: 352.201+/-0.033 χ^2/NDF: 9131681.0/96

eigen_cor_asym_sam1_mean vs Slug, Sign Corrected



Right In: -8.361+/-23.296 χ^2/NDF: 21.8/21

Left Out: -166.675+/-18.079 χ^2/NDF:31.6/24

Right Out: 30.698+/-22.914 χ^2/NDF: 30.1/26

Left In: -133.850+/-18.756 χ^2/NDF:20.7/22

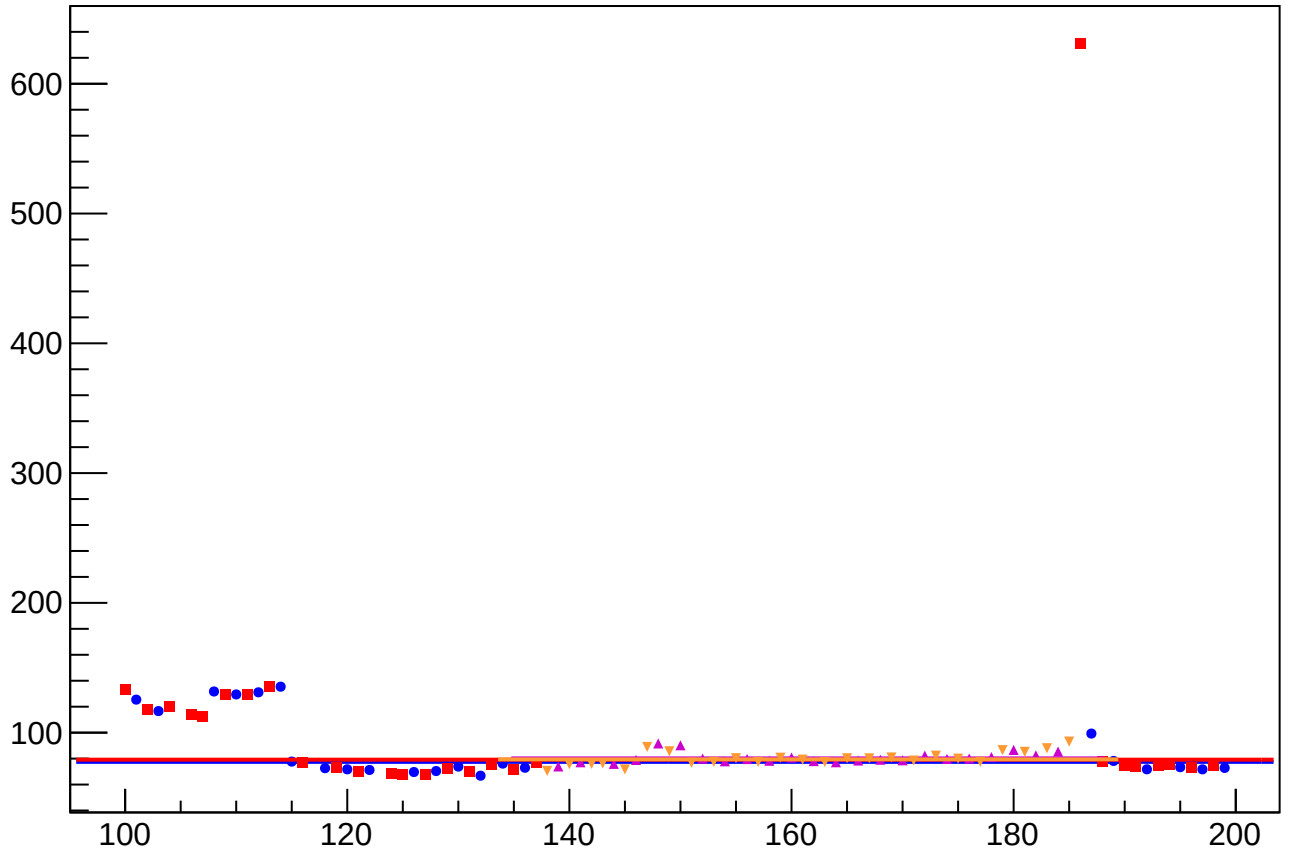
Left: -150.865+/-13.016 χ^2/NDF: 54.0/47

Right: 11.492+/-16.336 χ^2/NDF: 53.3/48

In: -84.499+/-14.609 χ^2/NDF:60.1/44

Out: -90.948+/-14.193 χ^2/NDF:107.5/51

All: -87.817+/-10.180 χ^2/NDF: 167.7/96



Right In: 77.504+/-0.016 χ^2/NDF: 911508.6/21

Left Out: 79.410+/-0.013 χ^2/NDF:134796.1/24

Right Out: 79.175+/-0.016 χ^2/NDF: 1602438.5/26

Left In: 80.160+/-0.013 χ^2/NDF:91469.5/22

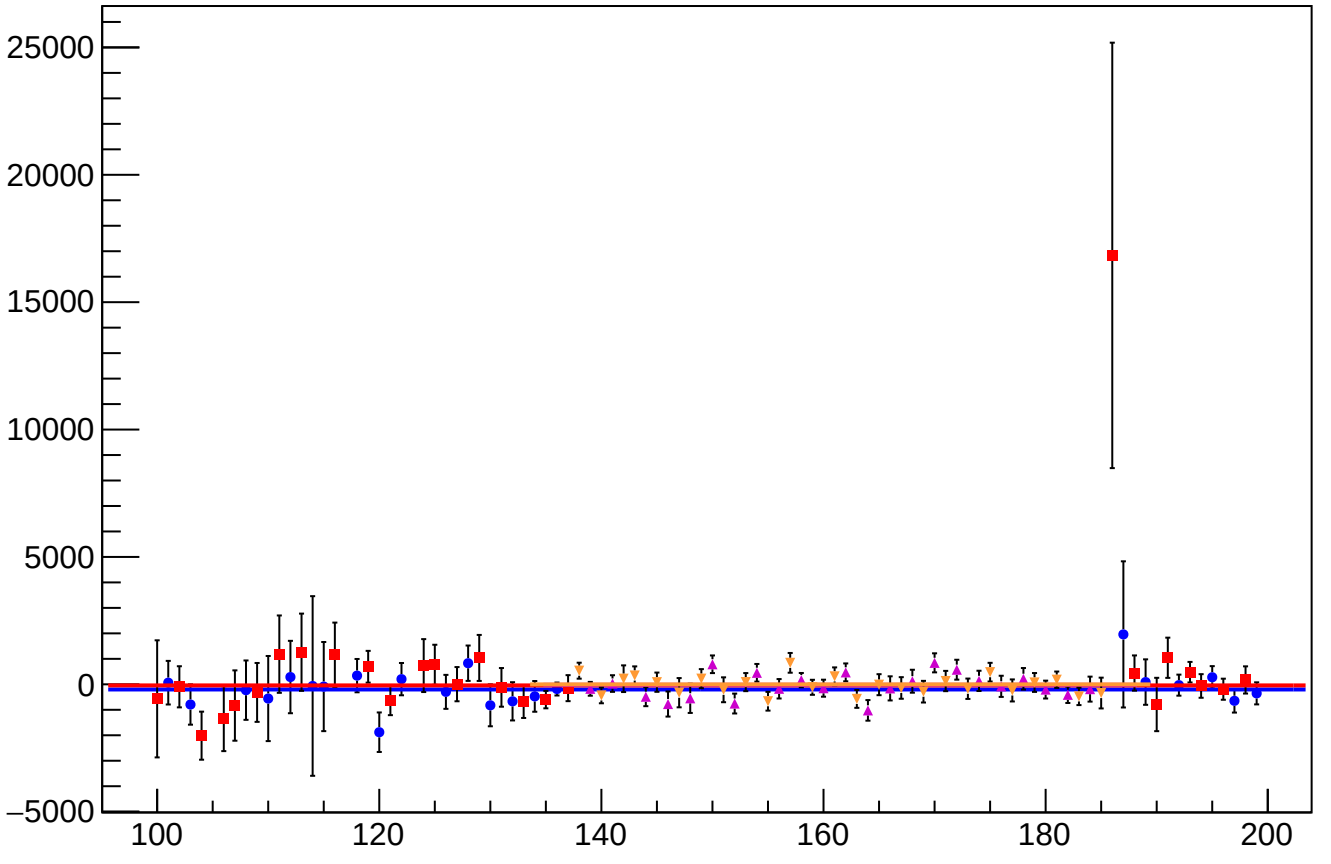
Left: 79.771+/-0.009 χ^2/NDF: 227922.4/47

Right: 78.354+/-0.012 χ^2/NDF: 2519174.6/48

In: 79.116+/-0.010 χ^2/NDF:1018746.4/44

Out: 79.320+/-0.010 χ^2/NDF:1737364.5/51

All: 79.221+/-0.007 χ^2/NDF: 2756312.2/96



Right In: -202.526+/-129.298 χ^2/NDF: 13.1/21

Left Out: -3.474+/-75.863 χ^2/NDF:24.0/24

Right Out: -42.680+/-129.956 χ^2/NDF: 26.3/26

Left In: -19.305+/-77.541 χ^2/NDF:35.0/22

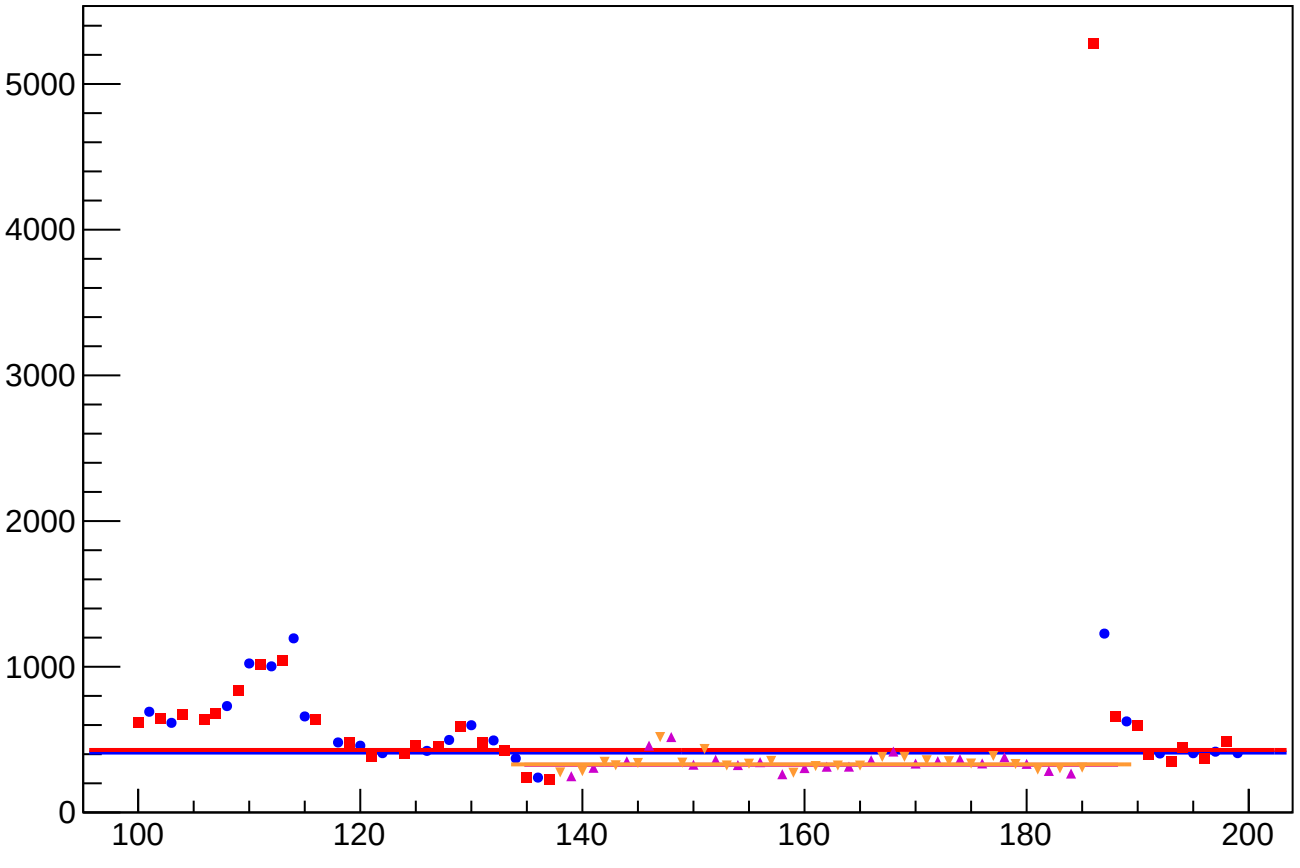
Left: -11.216+/-54.227 χ^2/NDF: 59.1/47

Right: -123.009+/-91.659 χ^2/NDF: 40.2/48

In: -67.769+/-66.499 χ^2/NDF:49.6/44

Out: -13.438+/-65.517 χ^2/NDF:50.4/51

All: -40.200+/-46.671 χ^2/NDF: 100.4/96



Right In: 411.079+/-0.091 χ^2/NDF: 2643537.7/21

Left Out: 329.968+/-0.054 χ^2/NDF:659249.8/24

Right Out: 428.856+/-0.092 χ^2/NDF: 3435344.4/26

Left In: 326.963+/-0.055 χ^2/NDF:899329.3/22

Left: 328.498+/-0.038 χ^2/NDF: 1560113.2/47

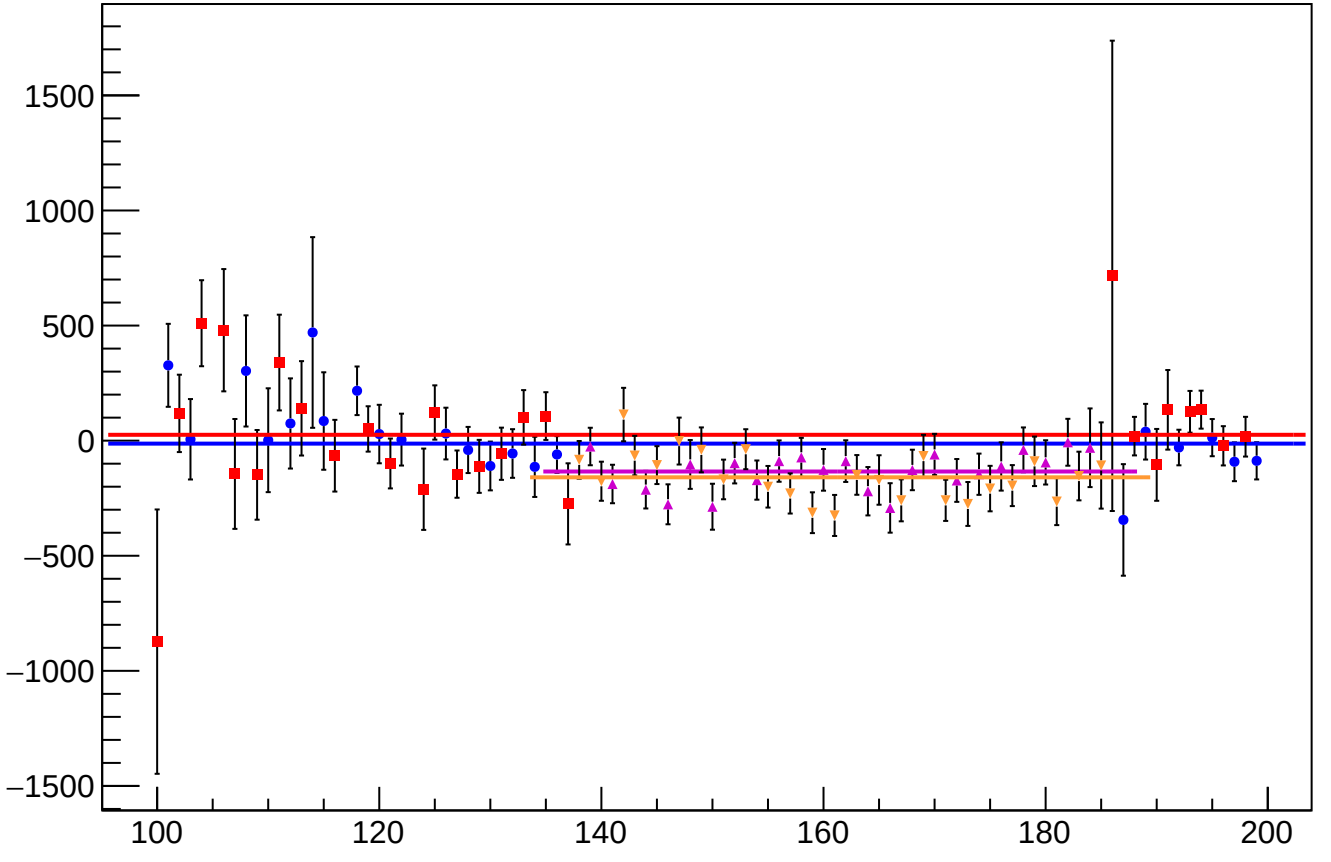
Right: 419.922+/-0.065 χ^2/NDF: 6097690.5/48

In: 349.213+/-0.047 χ^2/NDF:4165411.9/44

Out: 355.101+/-0.046 χ^2/NDF:4958312.0/51

All: 352.201+/-0.033 χ^2/NDF: 9131681.0/96

dit_asym_sam1_mean vs Slug, Sign Corrected



Right In: -12.866+/-24.554 χ^2/NDF: 18.0/21

Left Out: -159.223+/-18.749 χ^2/NDF:28.2/24

Right Out: 25.454+/-24.193 χ^2/NDF: 34.0/26

Left In: -134.010+/-19.441 χ^2/NDF:16.4/22

Left: -147.073+/-13.496 χ^2/NDF: 45.5/47

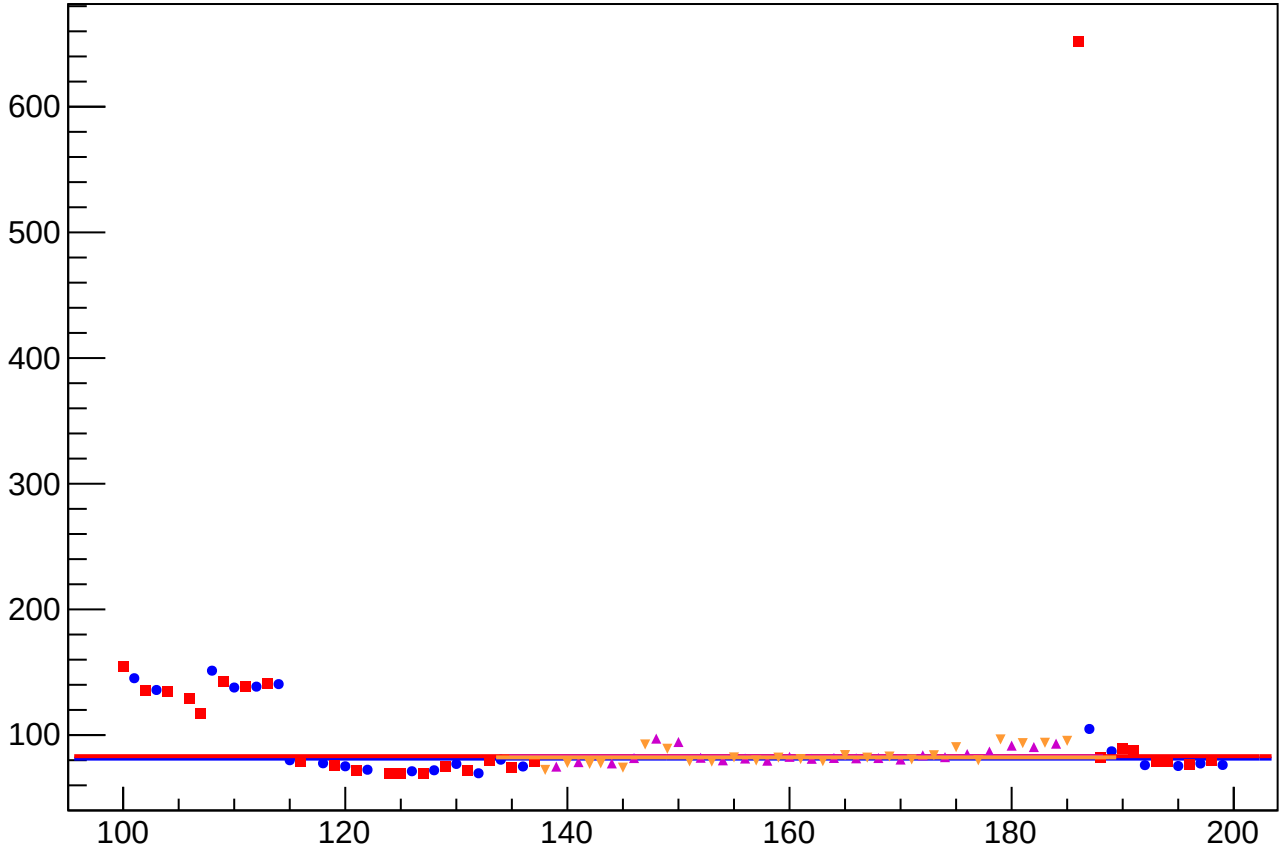
Right: 6.578+/-17.233 χ^2/NDF: 53.3/48

In: -87.331+/-15.242 χ^2/NDF:49.4/44

Out: -89.924+/-14.820 χ^2/NDF:98.6/51

All: -88.664+/-10.625 χ^2/NDF: 148.0/96

dit_asym_sam1_rms vs Slug, Sign Corrected



Right In: 81.268+/-0.017 χ^2/NDF: 1100882.5/21

Left Out: 82.247+/-0.013 χ^2/NDF:216548.3/24

Right Out: 83.206+/-0.017 χ^2/NDF: 1774096.4/26

Left In: 82.993+/-0.014 χ^2/NDF:145608.6/22

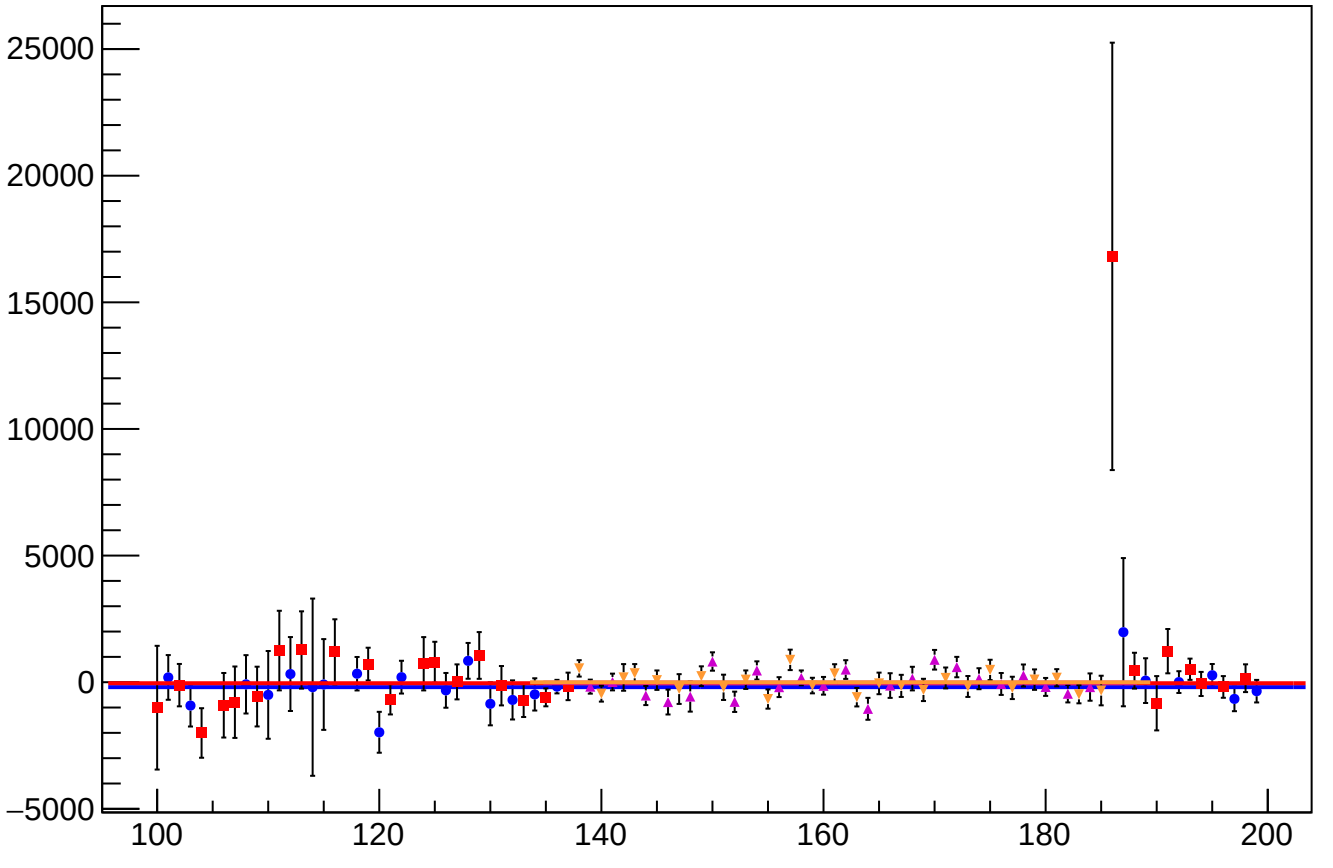
Left: 82.607+/-0.010 χ^2/NDF: 363681.9/47

Right: 82.252+/-0.012 χ^2/NDF: 2881300.9/48

In: 82.328+/-0.011 χ^2/NDF:1252556.9/44

Out: 82.607+/-0.010 χ^2/NDF:1992608.3/51

All: 82.472+/-0.008 χ^2/NDF: 3245508.8/96



Right In: -194.513+/-133.934 χ^2/NDF: 13.5/21

Left Out: -3.095+/-78.582 χ^2/NDF:23.5/24

Right Out: -40.199+/-134.448 χ^2/NDF: 25.8/26

Left In: -16.519+/-80.410 χ^2/NDF:34.9/22

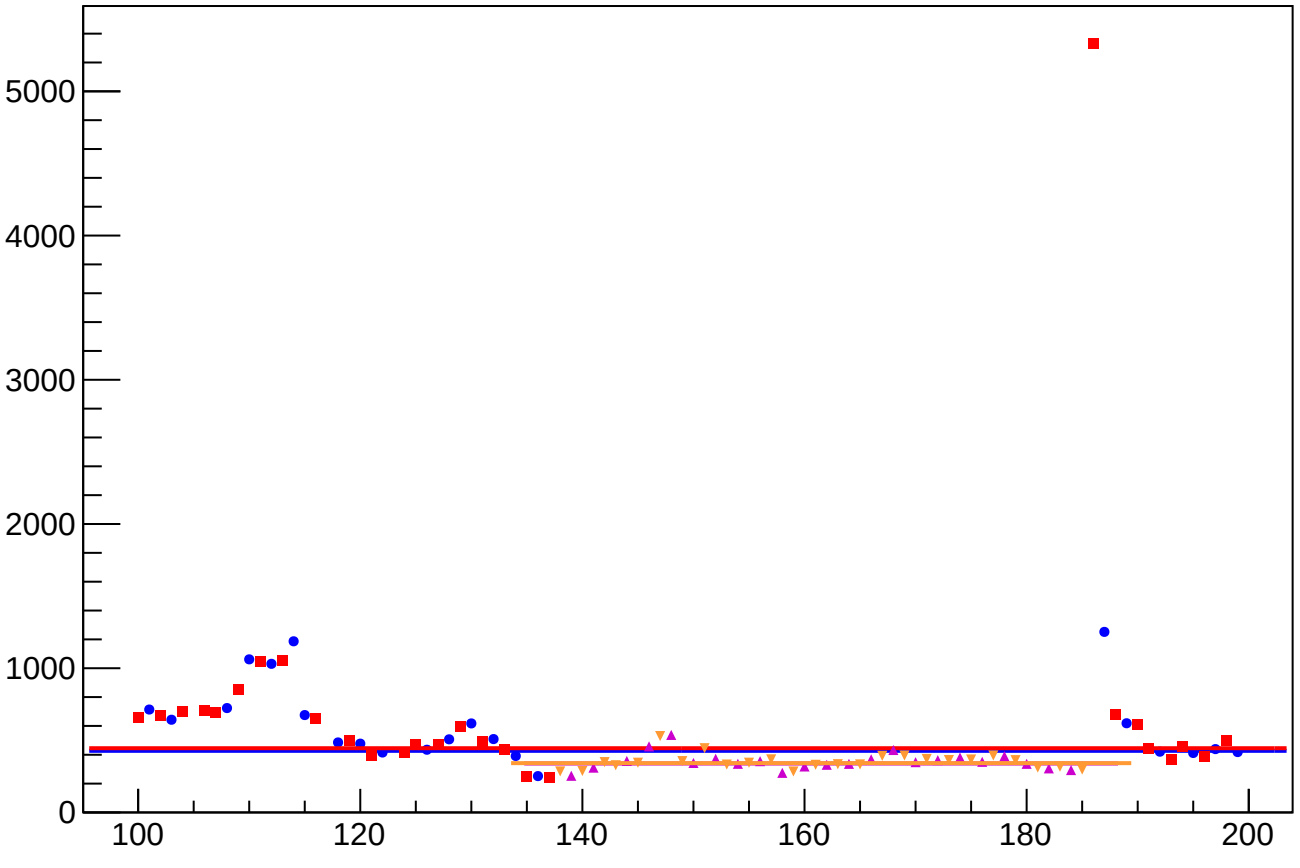
Left: -9.652+/-56.201 χ^2/NDF: 58.4/47

Right: -117.651+/-94.887 χ^2/NDF: 39.9/48

In: -63.677+/-68.940 χ^2/NDF:49.7/44

Out: -12.542+/-67.843 χ^2/NDF:49.4/51

All: -37.700+/-48.355 χ^2/NDF: 99.3/96



Right In: 427.315+/-0.095 χ^2/NDF: 2515135.3/21

Left Out: 341.918+/-0.056 χ^2/NDF:653930.4/24

Right Out: 445.432+/-0.095 χ^2/NDF: 3372919.7/26

Left In: 339.430+/-0.057 χ^2/NDF:846706.0/22

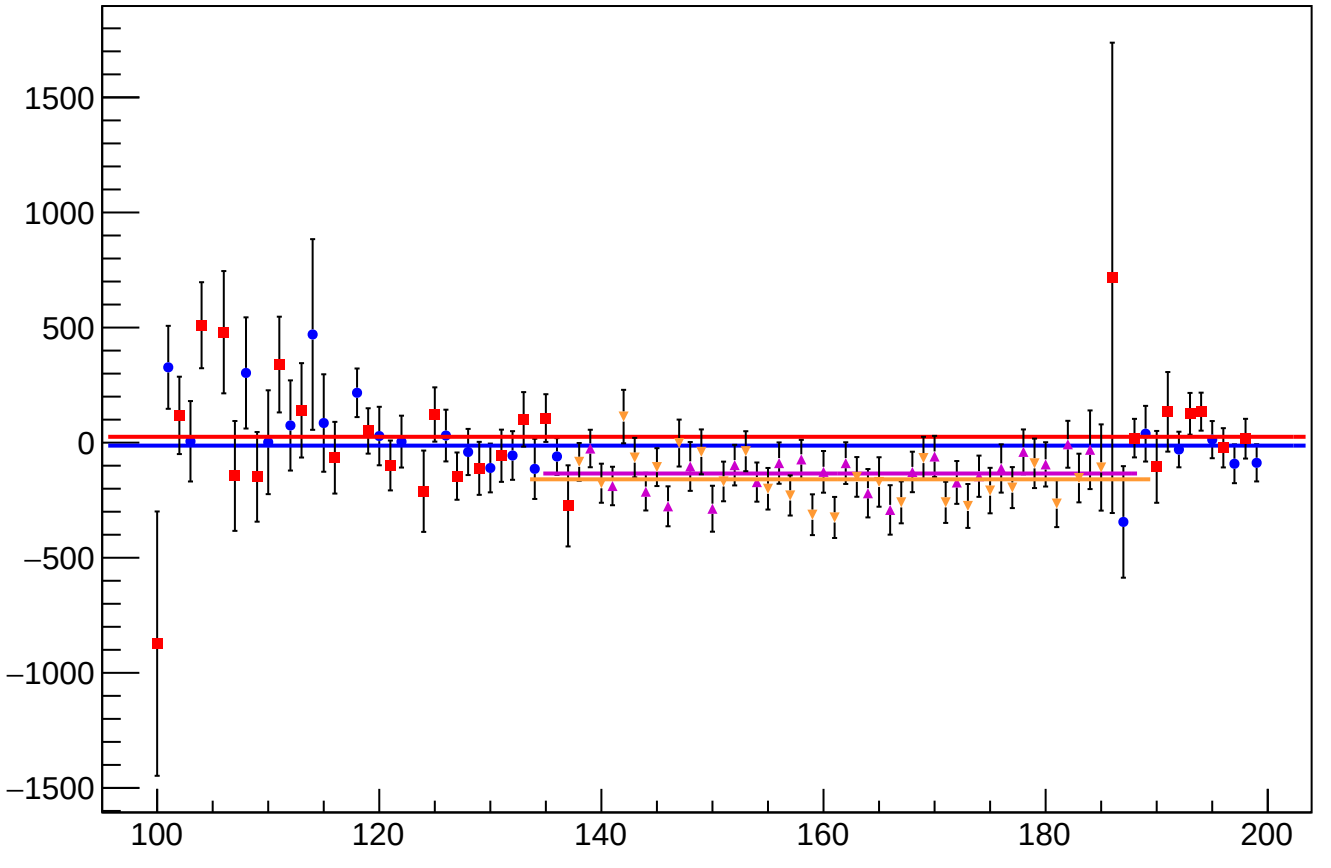
Left: 340.702+/-0.040 χ^2/NDF: 1501615.8/47

Right: 436.339+/-0.067 χ^2/NDF: 5906281.2/48

In: 362.714+/-0.049 χ^2/NDF:3994836.9/44

Out: 368.275+/-0.048 χ^2/NDF:4910520.6/51

All: 365.539+/-0.034 χ^2/NDF: 8911968.4/96



Right In: -12.866+/-24.554 χ^2/NDF: 18.0/21

Left Out: -159.223+/-18.749 χ^2/NDF:28.2/24

Right Out: 25.453+/-24.193 χ^2/NDF: 34.0/26

Left In: -134.010+/-19.441 χ^2/NDF:16.4/22

Left: -147.073+/-13.496 χ^2/NDF: 45.5/47

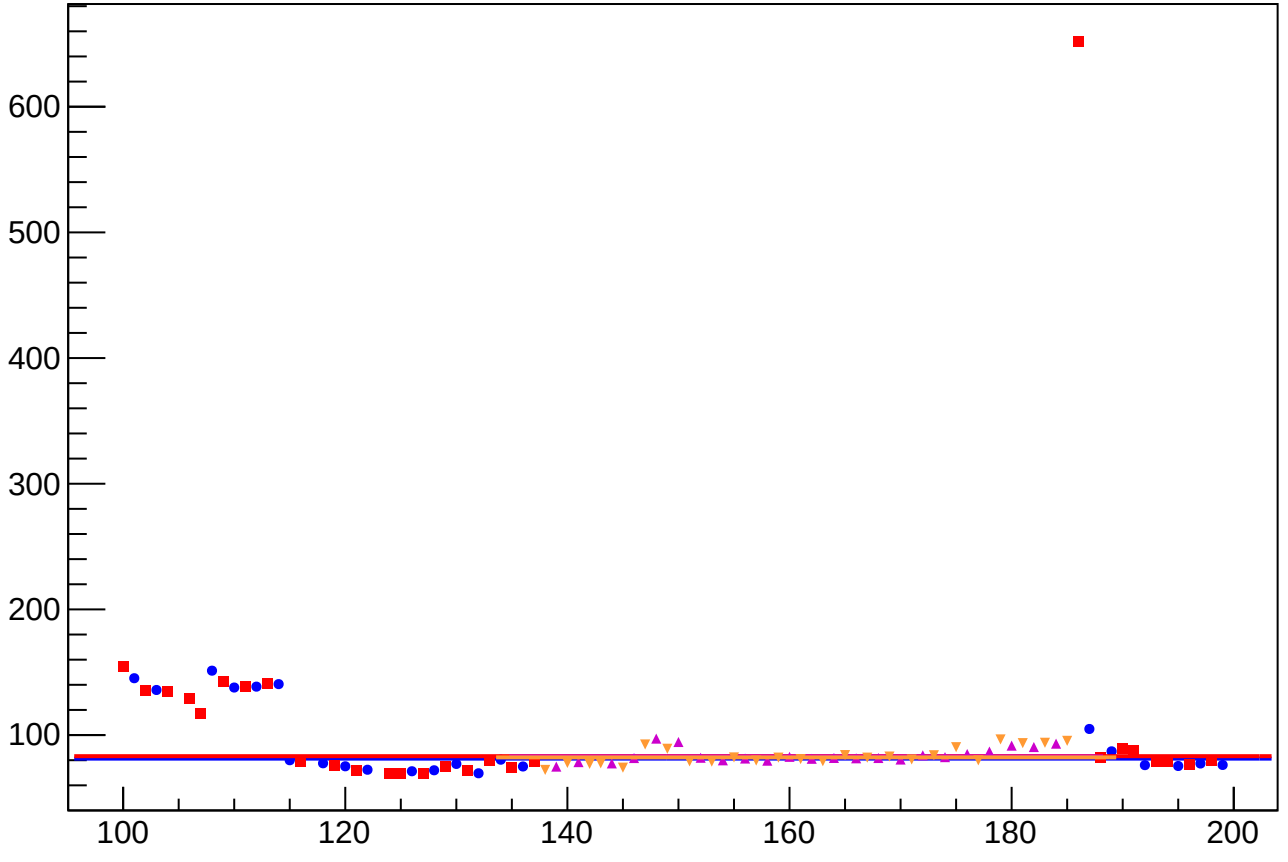
Right: 6.578+/-17.233 χ^2/NDF: 53.3/48

In: -87.331+/-15.242 χ^2/NDF:49.4/44

Out: -89.924+/-14.820 χ^2/NDF:98.6/51

All: -88.664+/-10.625 χ^2/NDF: 148.0/96

eigen_dit_asym_sam1_rms vs Slug, Sign Corrected



Right In: 81.268+/-0.017 χ^2/NDF: 1100883.7/21

Left Out: 82.247+/-0.013 χ^2/NDF:216548.5/24

Right Out: 83.206+/-0.017 χ^2/NDF: 1774096.3/26

Left In: 82.993+/-0.014 χ^2/NDF:145607.1/22

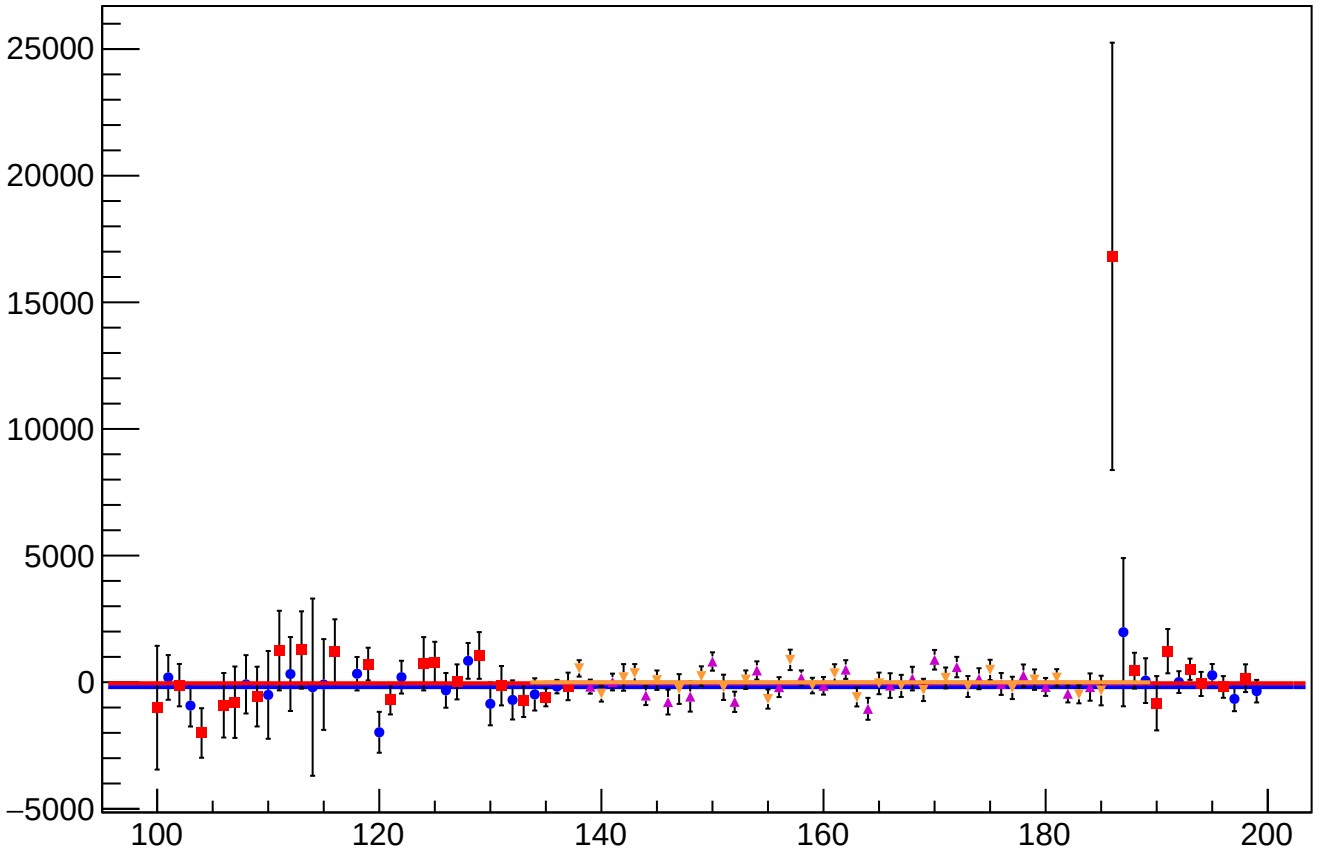
Left: 82.607+/-0.010 χ^2/NDF: 363680.5/47

Right: 82.252+/-0.012 χ^2/NDF: 2881301.8/48

In: 82.328+/-0.011 χ^2/NDF:1252557.3/44

Out: 82.607+/-0.010 χ^2/NDF:1992607.9/51

All: 82.472+/-0.008 χ^2/NDF: 3245508.7/96



Right In: -194.511+/-133.934 χ^2/NDF: 13.5/21

Left Out: -3.094+/-78.582 χ^2/NDF:23.5/24

Right Out: -40.199+/-134.448 χ^2/NDF: 25.8/26

Left In: -16.519+/-80.410 χ^2/NDF:34.9/22

Left: -9.652+/-56.201 χ^2/NDF: 58.4/47

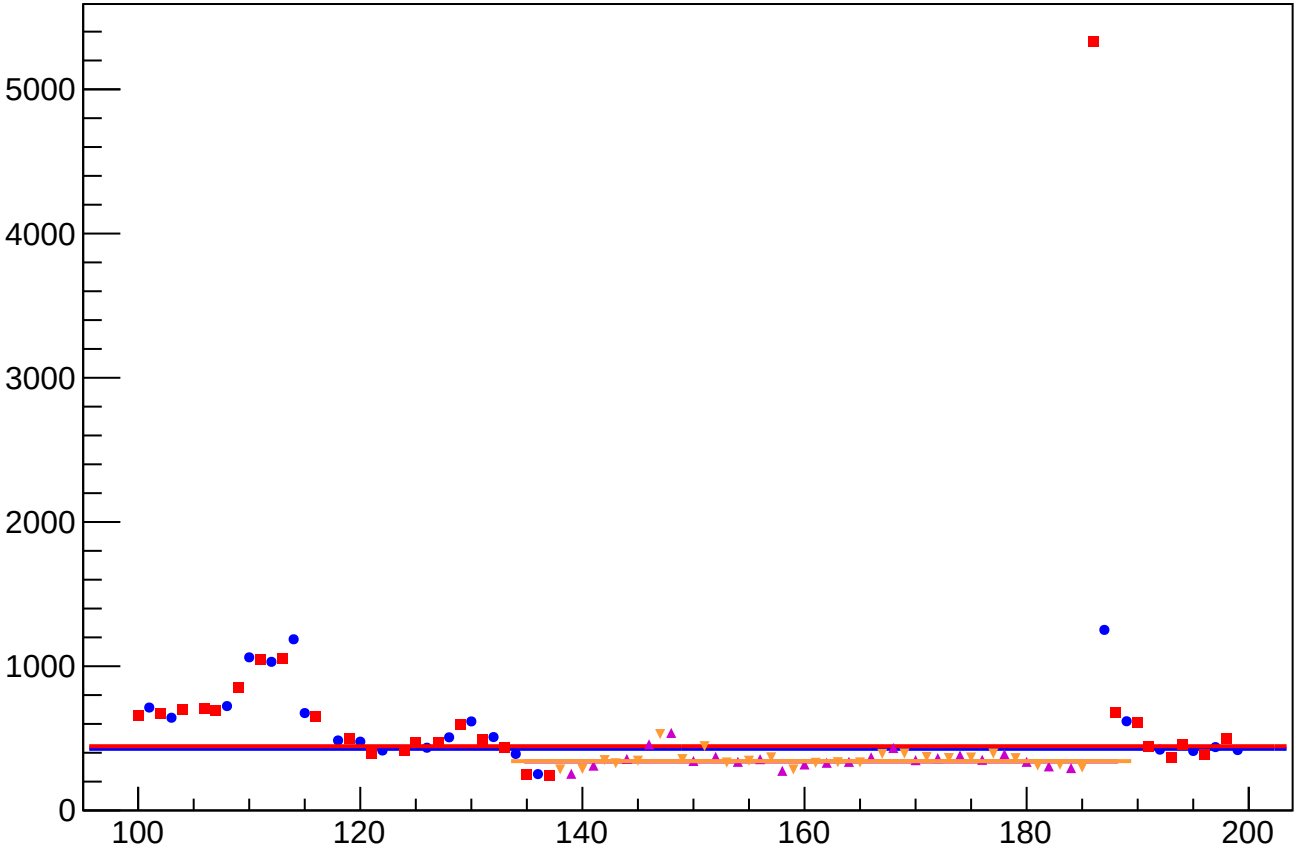
Right: -117.650+/-94.887 χ^2/NDF: 39.9/48

In: -63.677+/-68.939 χ^2/NDF:49.7/44

Out: -12.542+/-67.843 χ^2/NDF:49.4/51

All: -37.700+/-48.355 χ^2/NDF: 99.3/96

asym_sam1_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 427.314+/-0.095 χ^2/NDF: 2515140.4/21

Left Out: 341.918+/-0.056 χ^2/NDF:653932.3/24

Right Out: 445.430+/-0.095 χ^2/NDF: 3372928.4/26

Left In: 339.430+/-0.057 χ^2/NDF:846709.1/22

Left: 340.702+/-0.040 χ^2/NDF: 1501620.7/47

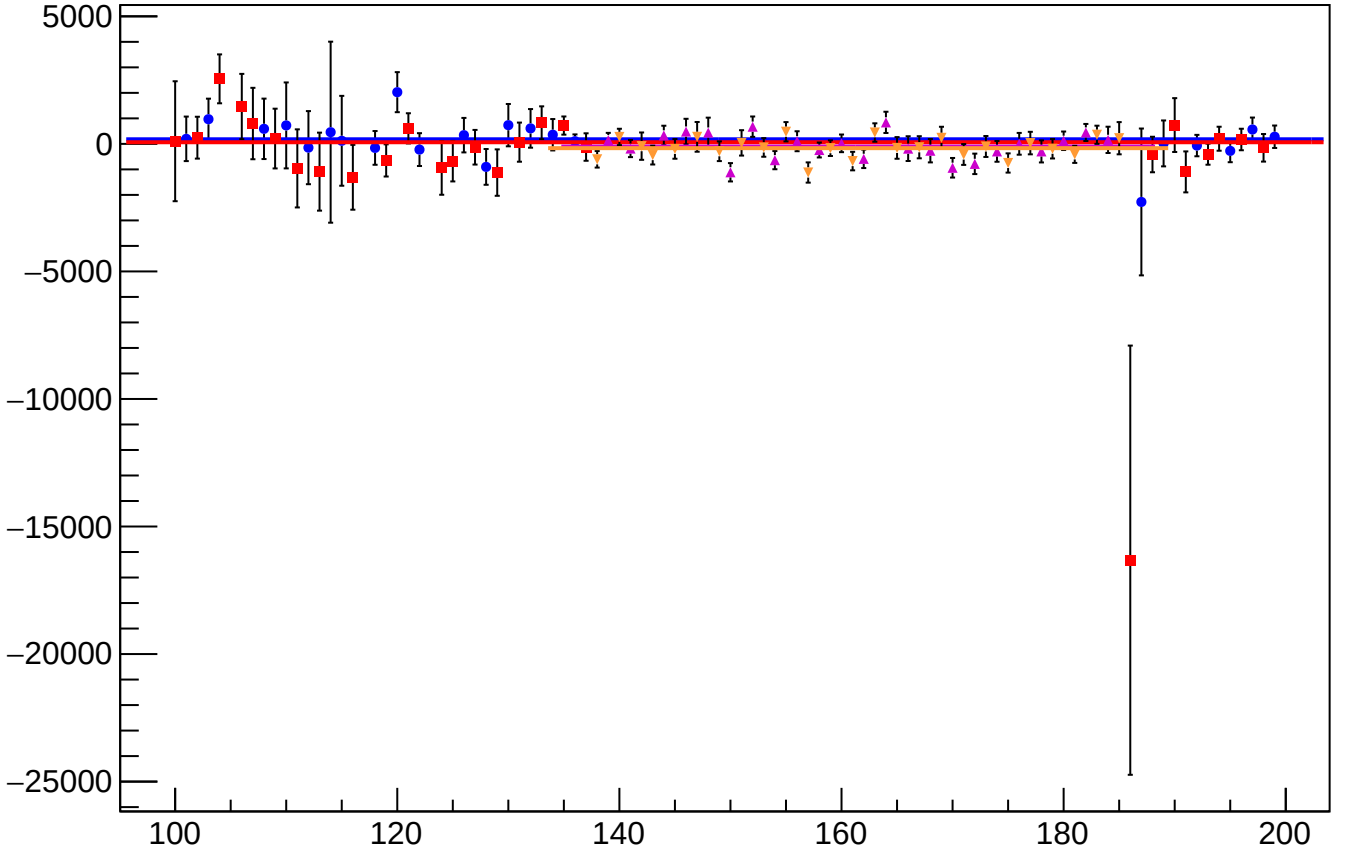
Right: 436.338+/-0.067 χ^2/NDF: 5906294.4/48

In: 362.714+/-0.049 χ^2/NDF:3994836.2/44

Out: 368.275+/-0.048 χ^2/NDF:4910516.9/51

All: 365.539+/-0.034 χ^2/NDF: 8911963.9/96

asym_sam1_mean vs Slug, Sign Corrected



Right In: 180.227+/-132.243 χ^2/NDF: 13.7/21

Left Out: -167.380+/-78.179 χ^2/NDF:25.6/24

Right Out: 64.408+/-132.745 χ^2/NDF: 29.4/26

Left In: -104.016+/-79.995 χ^2/NDF:37.5/22

Left: -136.425+/-55.912 χ^2/NDF: 63.4/47

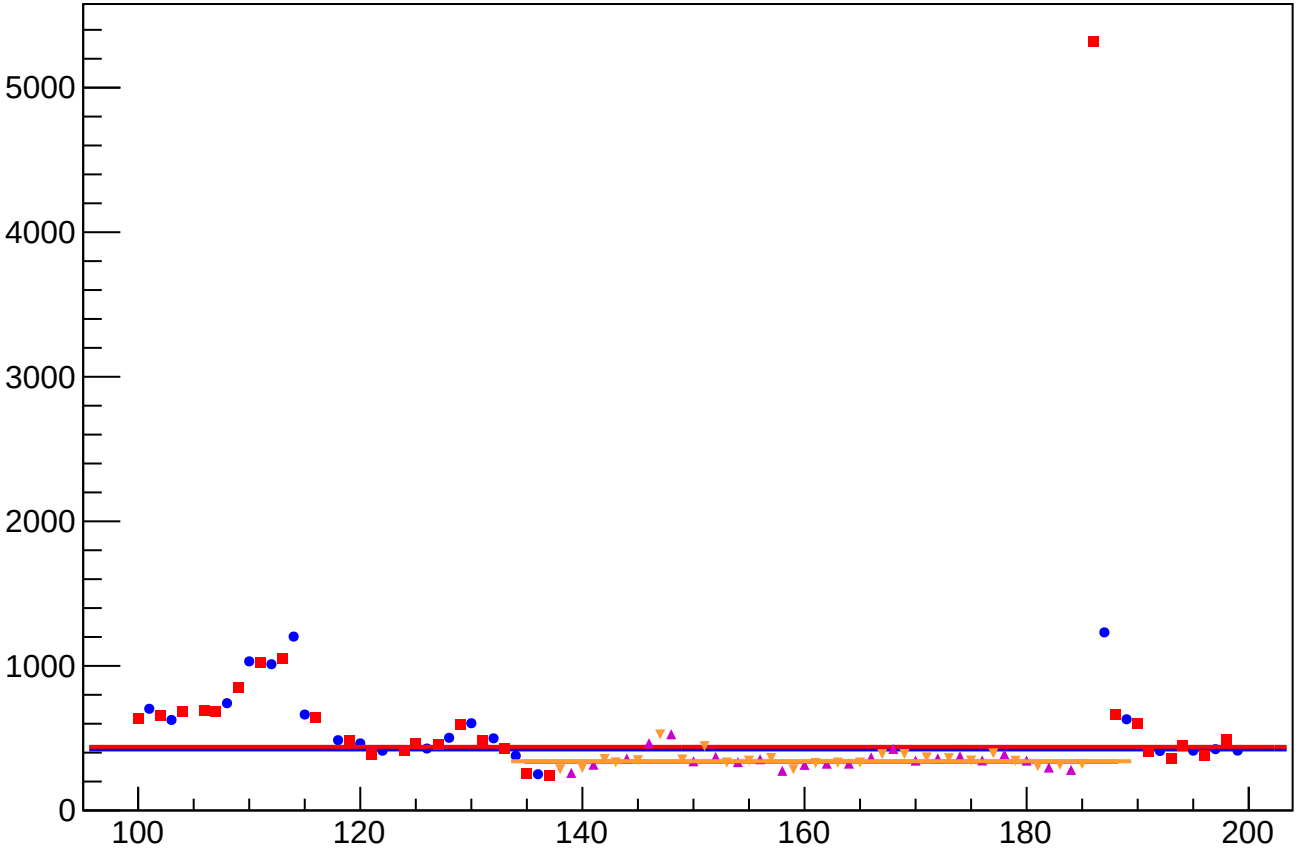
Right: 122.537+/-93.687 χ^2/NDF: 43.5/48

In: -27.869+/-68.447 χ^2/NDF:54.5/44

Out: -107.688+/-67.364 χ^2/NDF:57.3/51

All: -68.415+/-48.012 χ^2/NDF: 112.5/96

asym_sam1_rms vs Slug, Sign Corrected



Right In: 422.026+/-0.094 χ^2/NDF: 2495203.2/21

Left Out: 340.391+/-0.055 χ^2/NDF:604155.3/24

Right Out: 440.202+/-0.094 χ^2/NDF: 3308691.6/26

Left In: 337.759+/-0.057 χ^2/NDF:820674.4/22

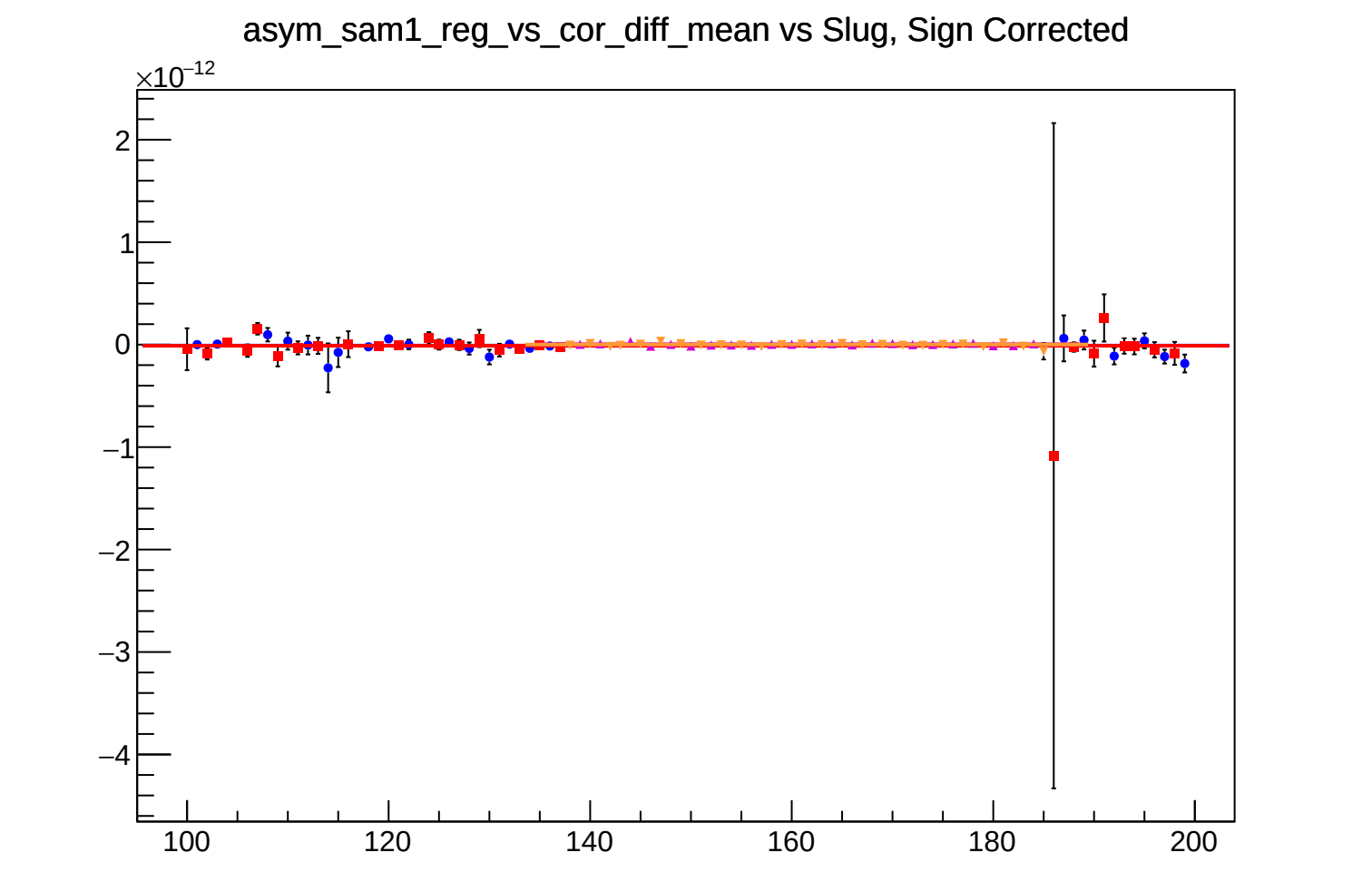
Left: 339.105+/-0.040 χ^2/NDF: 1425937.5/47

Right: 431.079+/-0.066 χ^2/NDF: 5822715.1/48

In: 360.333+/-0.048 χ^2/NDF:3910406.8/44

Out: 366.095+/-0.048 χ^2/NDF:4752362.6/51

All: 363.260+/-0.034 χ^2/NDF: 8669969.1/96



Right In: -0.000+/-0.000 χ^2/NDF: 23.8/21

Left Out: 0.000+/-0.000 χ^2/NDF:16.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 19.0/26

Left In: 0.000+/-0.000 χ^2/NDF:11.9/22

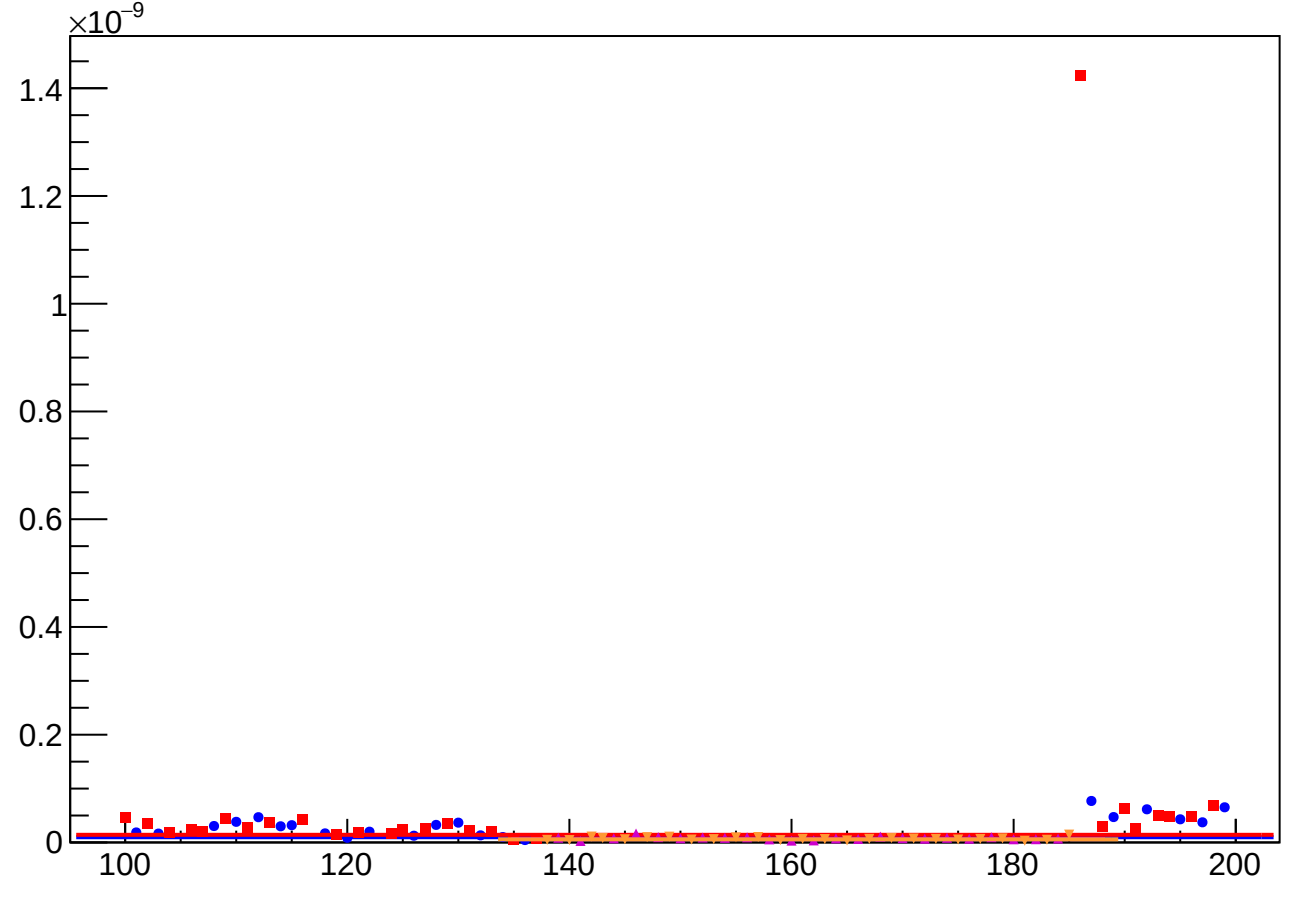
Left: 0.000+/-0.000 χ^2/NDF: 28.7/47

Right: -0.000+/-0.000 χ^2/NDF: 42.8/48

In: 0.000+/-0.000 χ^2/NDF:39.6/44

Out: 0.000+/-0.000 χ^2/NDF:37.4/51

All: 0.000+/-0.000 χ^2/NDF: 77.2/96



Right In: 0.000+/-0.000 χ^2/NDF: 5717852.9/21

Left Out: 0.000+/-0.000 χ^2/NDF:1155947.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5557394.5/26

Left In: 0.000+/-0.000 χ^2/NDF:1970663.5/22

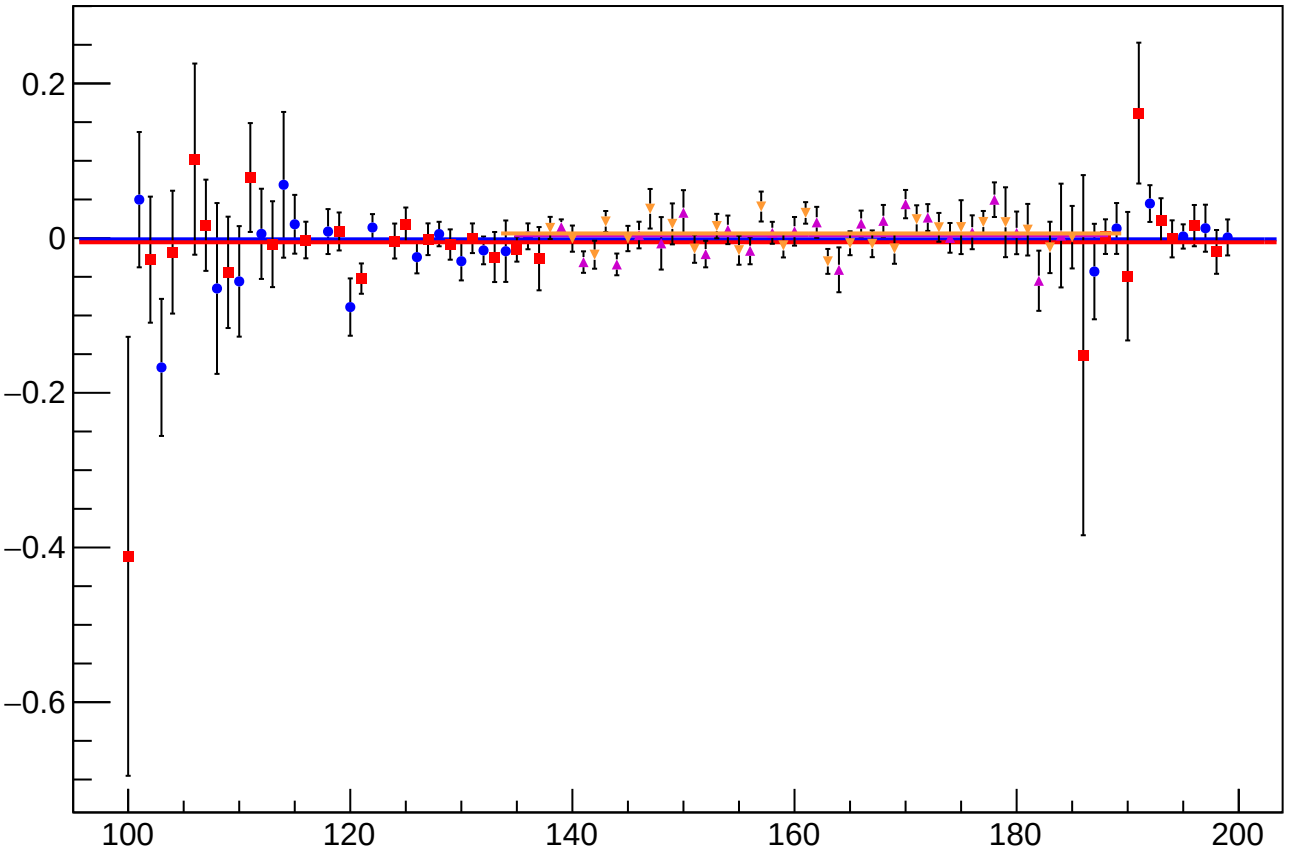
Left: 0.000+/-0.000 χ^2/NDF: 3156838.2/47

Right: 0.000+/-0.000 χ^2/NDF: 11683884.8/48

In: 0.000+/-0.000 χ^2/NDF:8238617.8/44

Out: 0.000+/-0.000 χ^2/NDF:8805153.3/51

All: 0.000+/-0.000 χ^2/NDF: 17058828.7/96



Right In: -0.002+/-0.006 χ^2/NDF: 20.3/21

Left Out: 0.006+/-0.004 χ^2/NDF:26.7/24

Right Out: -0.005+/-0.006 χ^2/NDF: 19.0/26

Left In: 0.004+/-0.004 χ^2/NDF:37.1/22

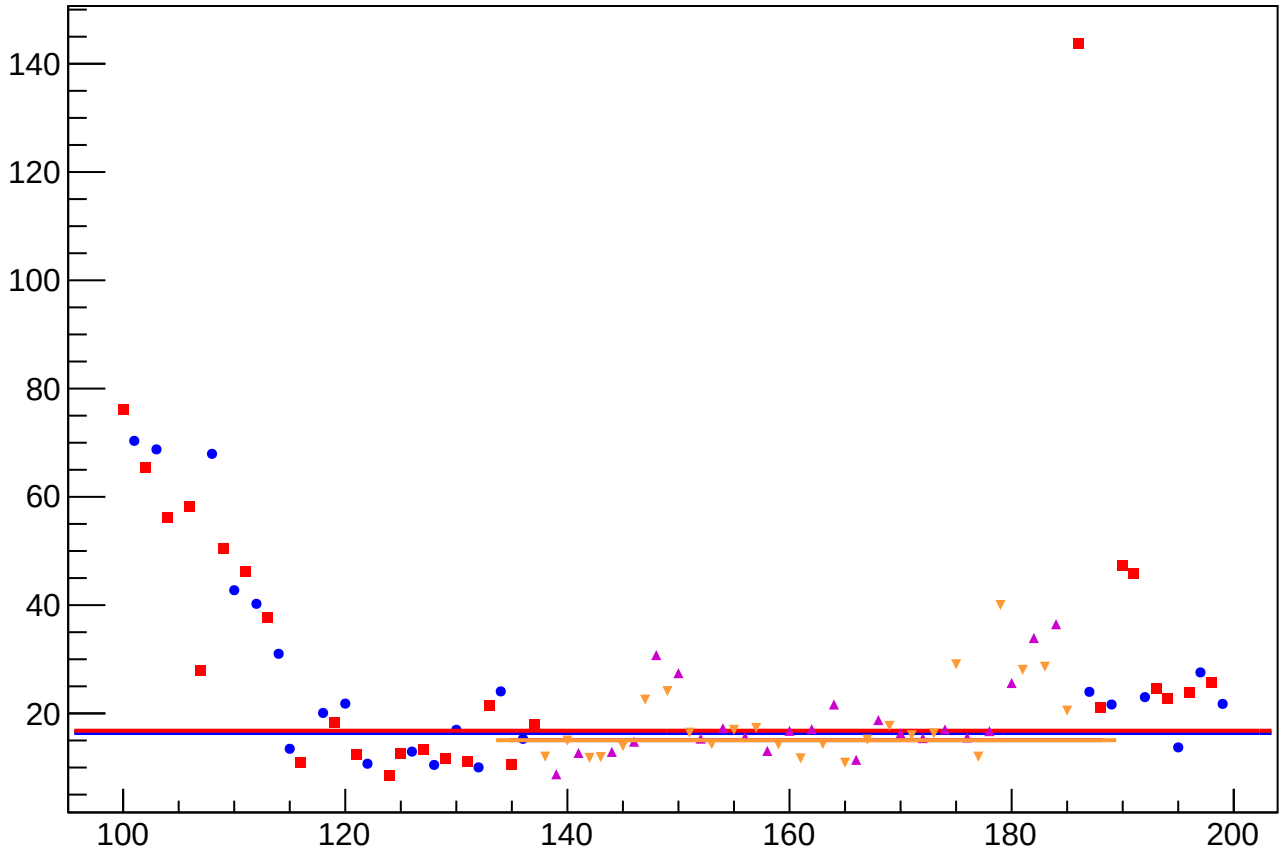
Left: 0.005+/-0.003 χ^2/NDF: 64.0/47

Right: -0.003+/-0.004 χ^2/NDF: 39.5/48

In: 0.002+/-0.003 χ^2/NDF:58.0/44

Out: 0.003+/-0.003 χ^2/NDF:48.6/51

All: 0.002+/-0.002 χ^2/NDF: 106.6/96



Right In: 16.378+/-0.004 χ^2/NDF: 4191376.9/21

Left Out: 15.046+/-0.003 χ^2/NDF:2758075.6/24

Right Out: 16.804+/-0.004 χ^2/NDF: 5686752.8/26

Left In: 15.068+/-0.003 χ^2/NDF:3066591.4/22

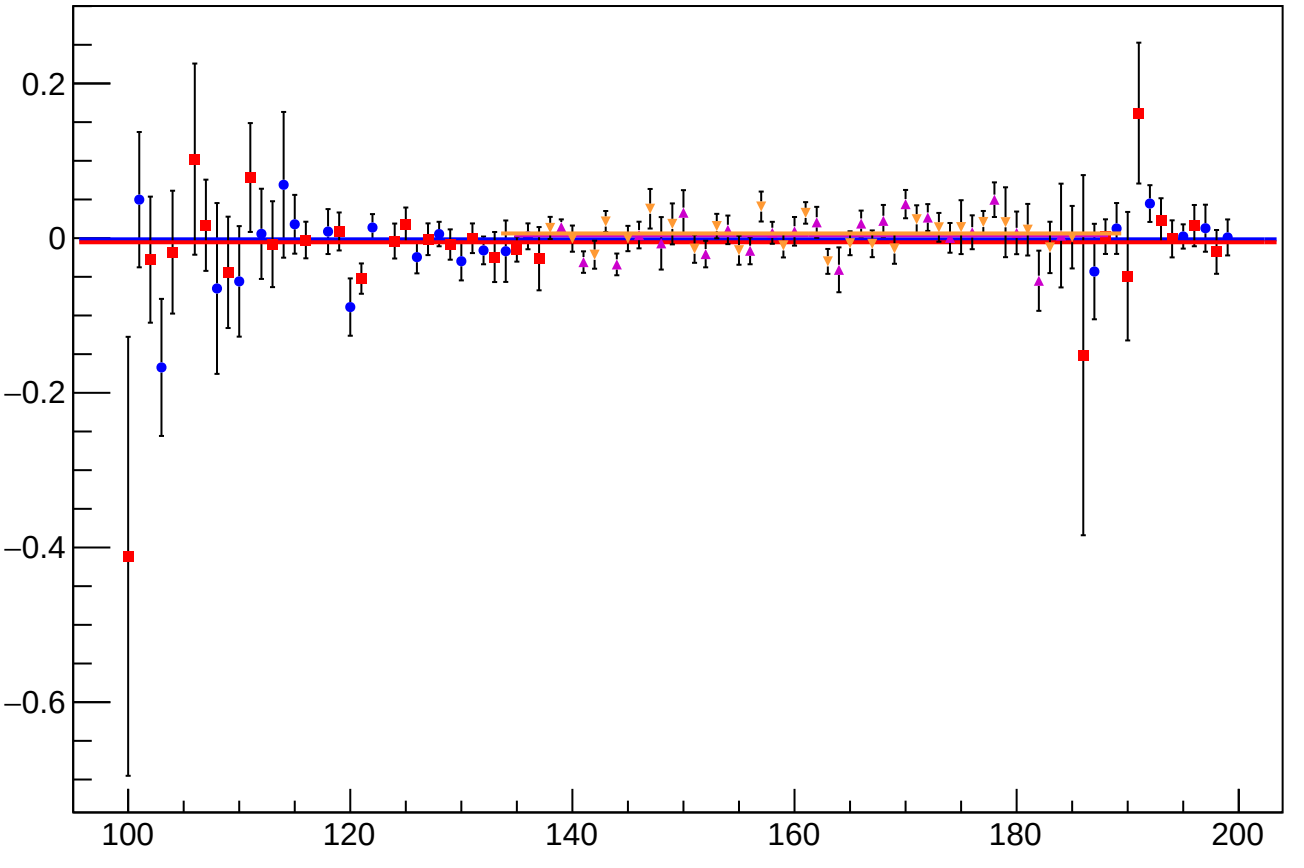
Left: 15.057+/-0.002 χ^2/NDF: 5824699.0/47

Right: 16.593+/-0.003 χ^2/NDF: 9883978.7/48

In: 15.487+/-0.002 χ^2/NDF:7332759.7/44

Out: 15.583+/-0.002 χ^2/NDF:8584139.6/51

All: 15.536+/-0.002 χ^2/NDF: 15917849.3/96



Right In: -0.002+/-0.006 χ^2/NDF: 20.3/21

Left Out: 0.006+/-0.004 χ^2/NDF:26.7/24

Right Out: -0.005+/-0.006 χ^2/NDF: 19.0/26

Left In: 0.004+/-0.004 χ^2/NDF:37.1/22

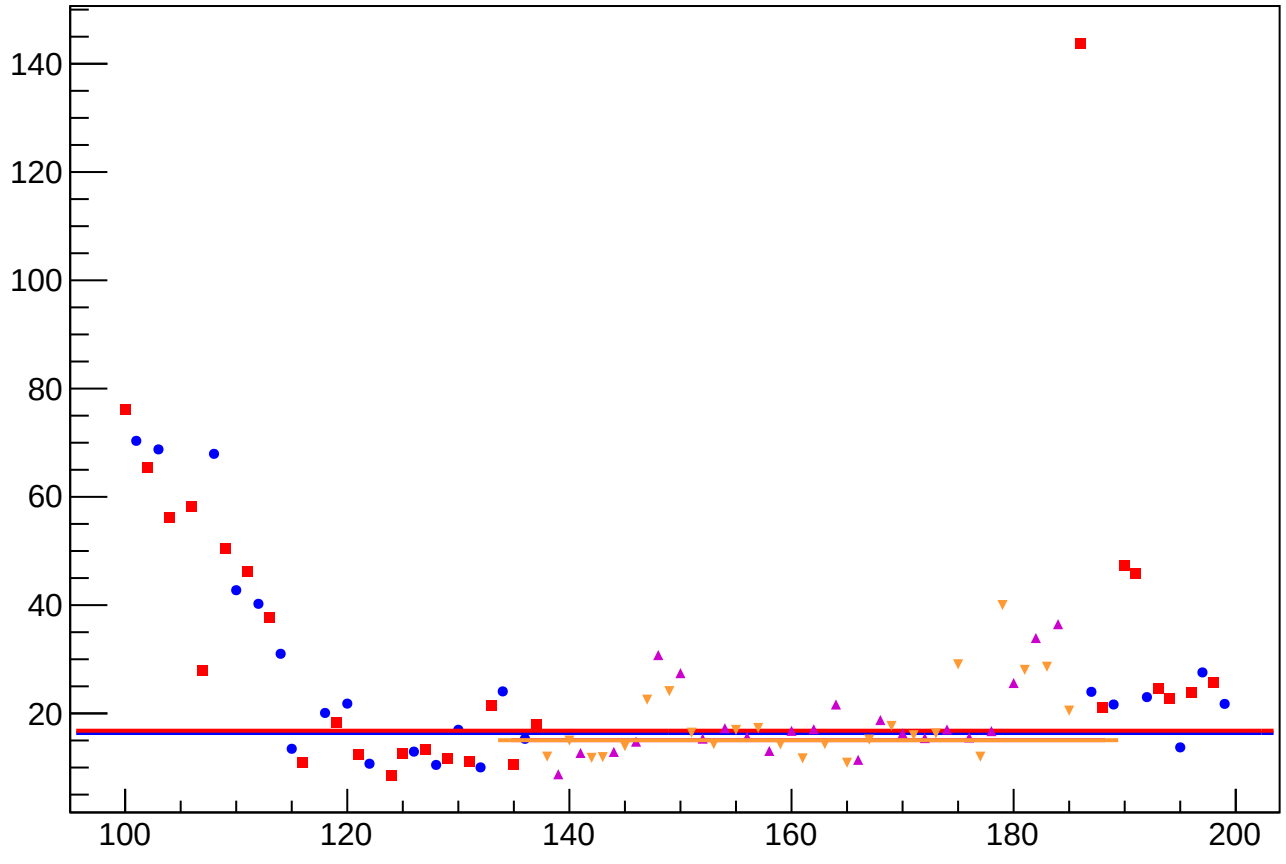
Left: 0.005+/-0.003 χ^2/NDF: 64.0/47

Right: -0.003+/-0.004 χ^2/NDF: 39.5/48

In: 0.002+/-0.003 χ^2/NDF:58.0/44

Out: 0.003+/-0.003 χ^2/NDF:48.6/51

All: 0.002+/-0.002 χ^2/NDF: 106.6/96



Right In: 16.378+/-0.004 χ^2/NDF: 4191376.9/21

Left Out: 15.046+/-0.003 χ^2/NDF:2758075.6/24

Right Out: 16.804+/-0.004 χ^2/NDF: 5686752.8/26

Left In: 15.068+/-0.003 χ^2/NDF:3066591.4/22

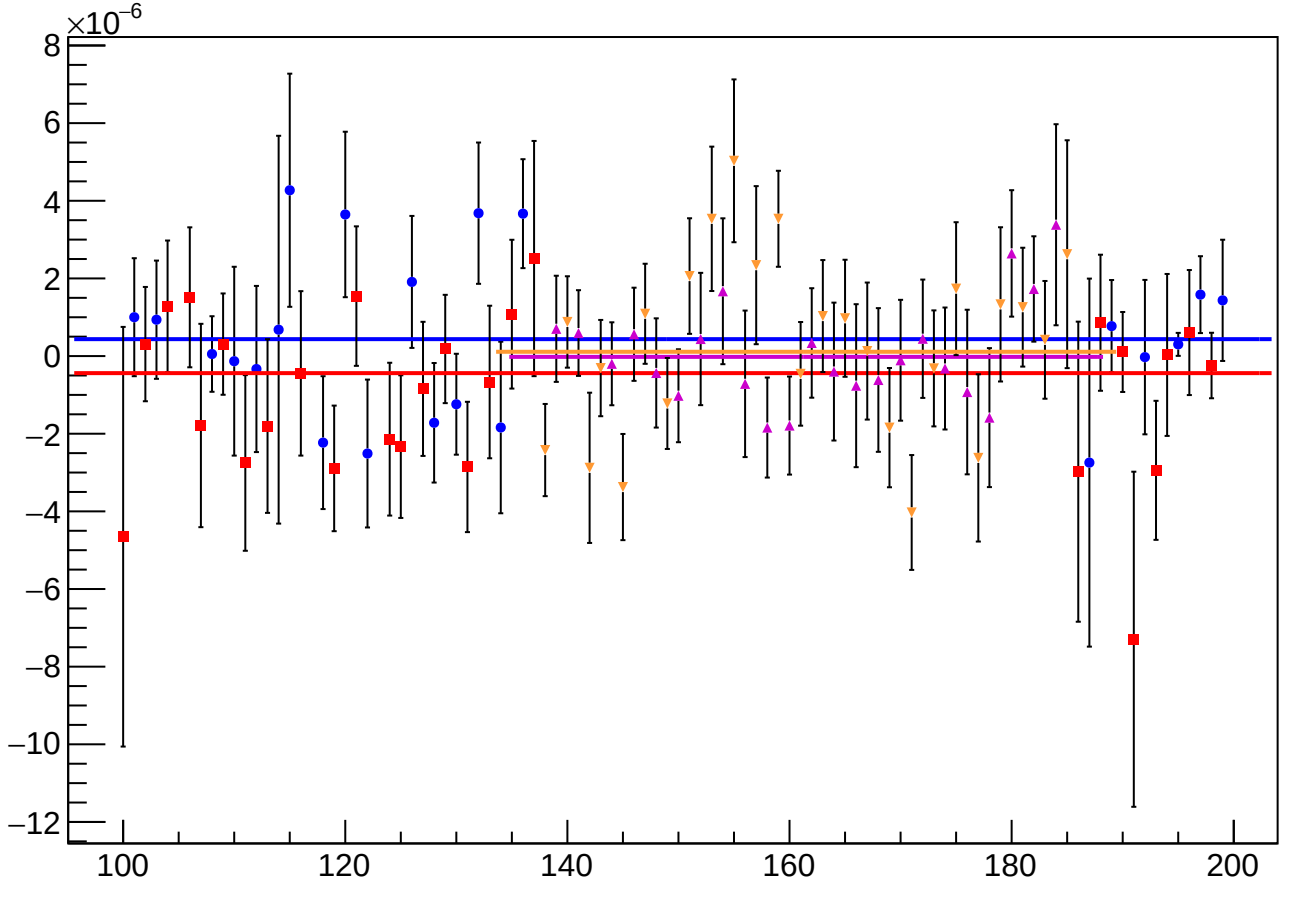
Left: 15.057+/-0.002 χ^2/NDF: 5824699.0/47

Right: 16.593+/-0.003 χ^2/NDF: 9883978.7/48

In: 15.487+/-0.002 χ^2/NDF:7332759.7/44

Out: 15.583+/-0.002 χ^2/NDF:8584139.6/51

All: 15.536+/-0.002 χ^2/NDF: 15917849.3/96



Right In: 0.000+/-0.000 χ^2/NDF: 25.8/21

Left Out: 0.000+/-0.000 χ^2/NDF:50.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 20.6/26

Left In: -0.000+/-0.000 χ^2/NDF:14.1/22

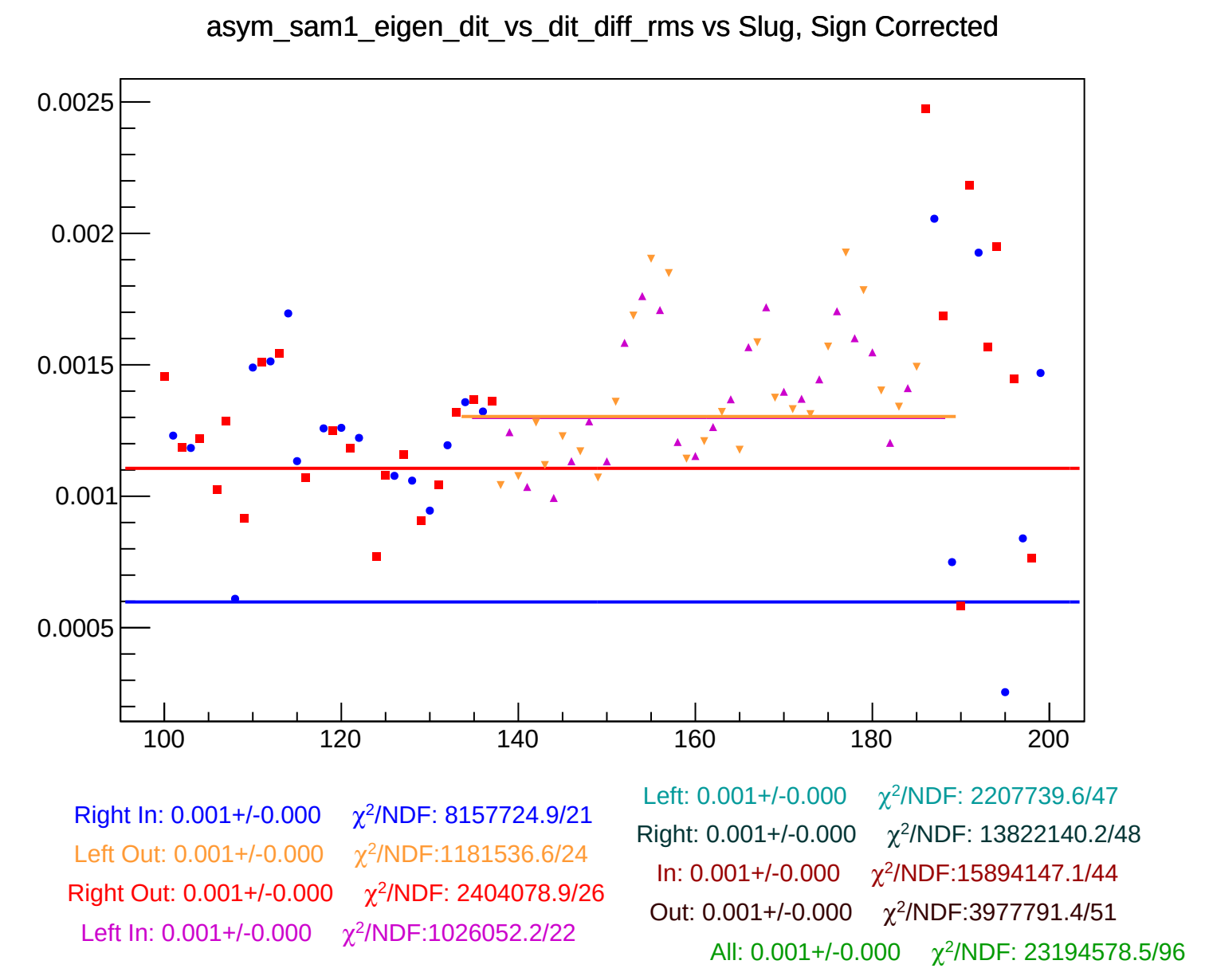
Left: 0.000+/-0.000 χ^2/NDF: 64.2/47

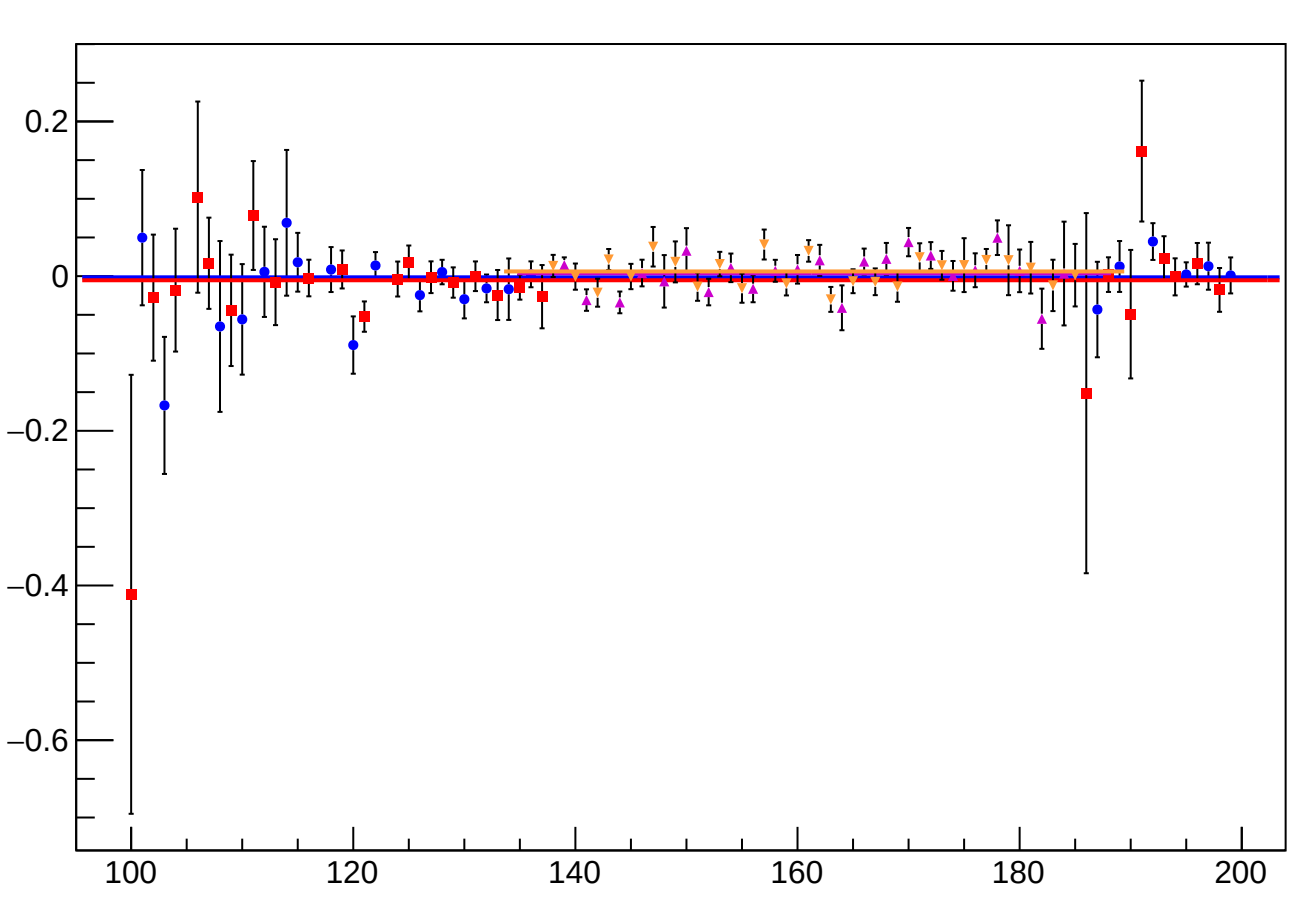
Right: 0.000+/-0.000 χ^2/NDF: 51.2/48

In: 0.000+/-0.000 χ^2/NDF:41.3/44

Out: -0.000+/-0.000 χ^2/NDF:72.1/51

All: 0.000+/-0.000 χ^2/NDF: 115.5/96


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: 8157724.9/21
Left Out: 0.001+/-0.000 χ²/NDF:1181536.6/24
Right Out: 0.001+/-0.000 χ²/NDF: 2404078.9/26
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: 13822140.2/48
In: 0.001+/-0.000 χ²/NDF:15894147.1/44
Out: 0.001+/-0.000 χ²/NDF:3977791.4/51
All: 0.001+/-0.000 χ²/NDF: 23194578.5/96



Right In: -0.002+/-0.006 χ^2/NDF: 20.3/21

Left Out: 0.006+/-0.004 χ^2/NDF:26.7/24

Right Out: -0.005+/-0.006 χ^2/NDF: 19.0/26

Left In: 0.004+/-0.004 χ^2/NDF:37.1/22

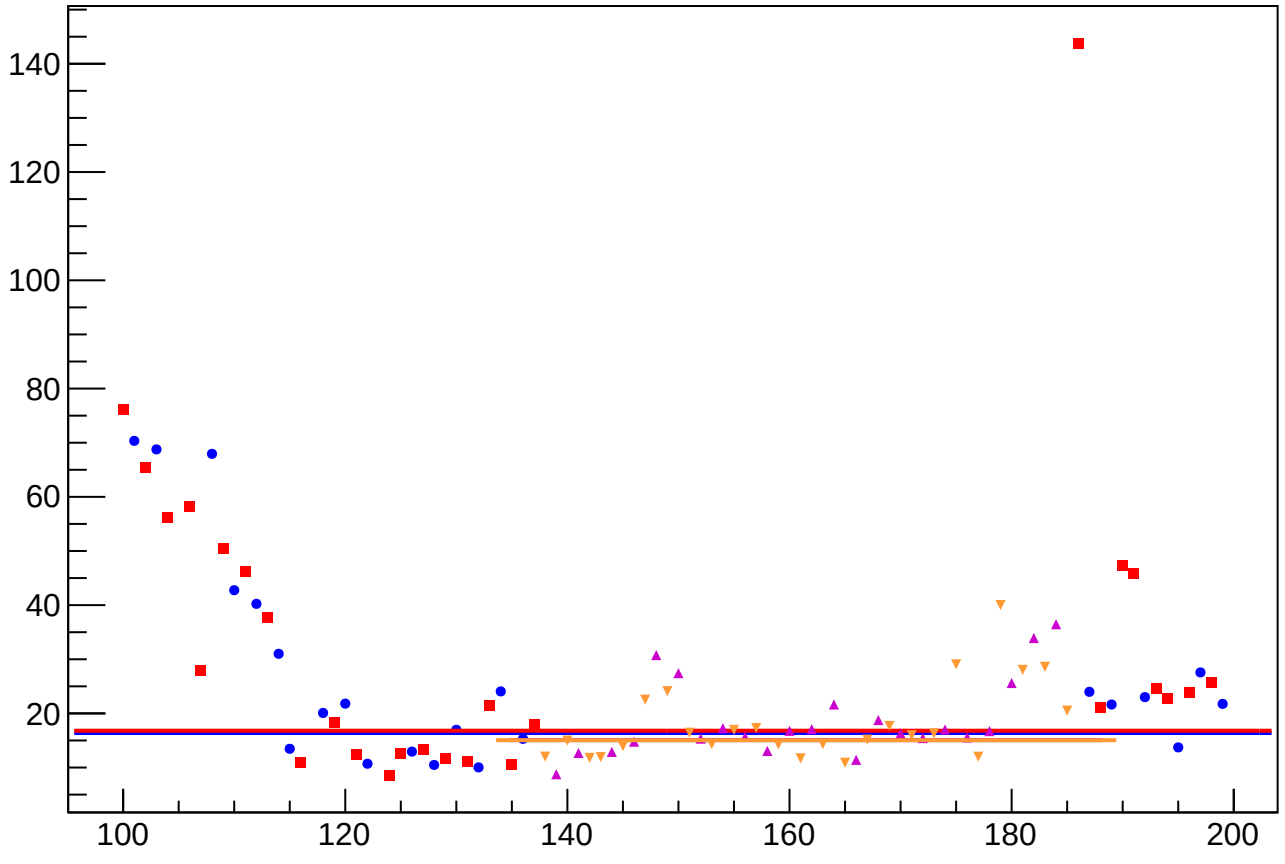
Left: 0.005+/-0.003 χ^2/NDF: 64.0/47

Right: -0.003+/-0.004 χ^2/NDF: 39.5/48

In: 0.002+/-0.003 χ^2/NDF:58.0/44

Out: 0.003+/-0.003 χ^2/NDF:48.6/51

All: 0.002+/-0.002 χ^2/NDF: 106.6/96



Right In: 16.378+/-0.004 χ^2/NDF: 4191360.6/21

Left Out: 15.046+/-0.003 χ^2/NDF:2758285.3/24

Right Out: 16.804+/-0.004 χ^2/NDF: 5686710.6/26

Left In: 15.067+/-0.003 χ^2/NDF:3066635.3/22

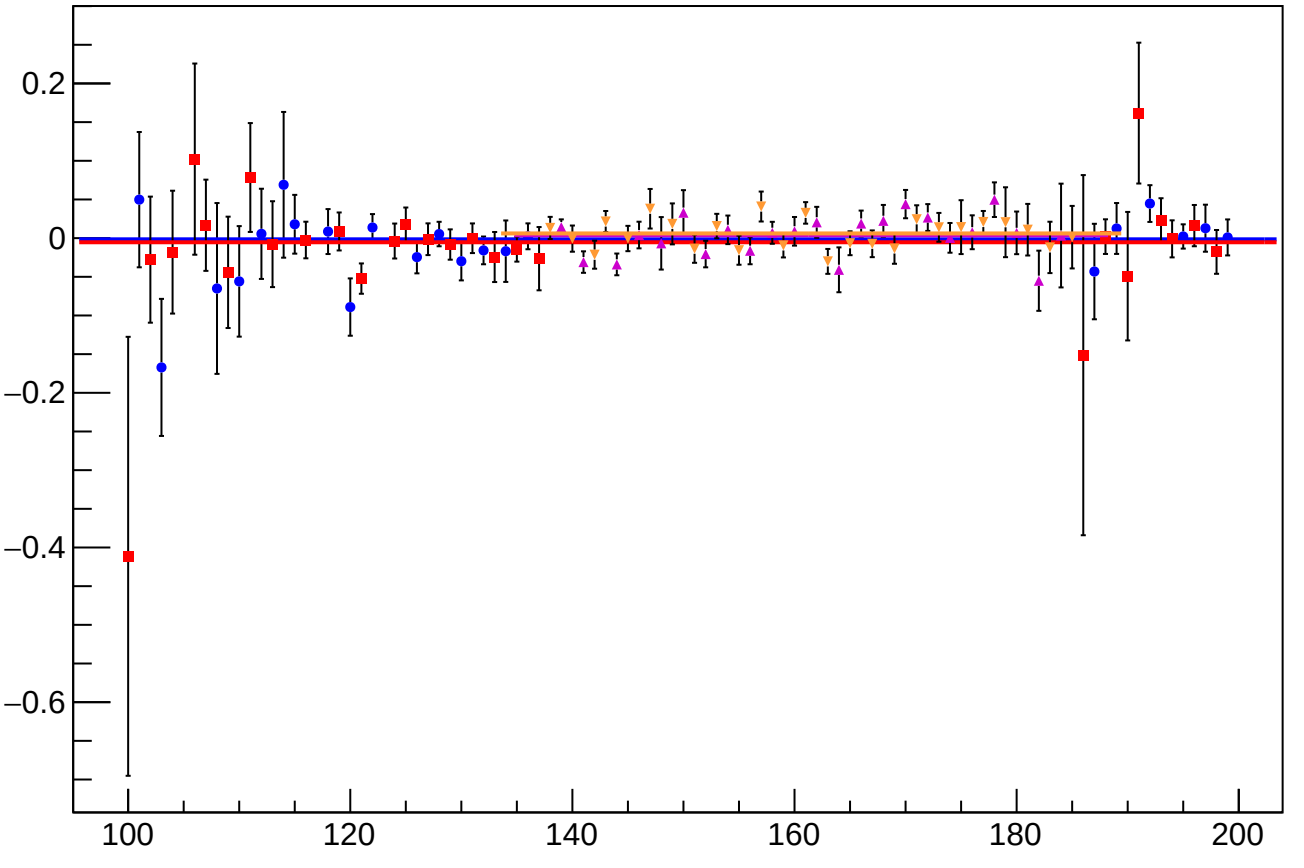
Left: 15.056+/-0.002 χ^2/NDF: 5824952.7/47

Right: 16.593+/-0.003 χ^2/NDF: 9883921.5/48

In: 15.487+/-0.002 χ^2/NDF:7332788.3/44

Out: 15.583+/-0.002 χ^2/NDF:8584326.1/51

All: 15.536+/-0.002 χ^2/NDF: 15918063.6/96



Right In: -0.002+/-0.006 χ^2/NDF: 20.3/21

Left Out: 0.006+/-0.004 χ^2/NDF:26.7/24

Right Out: -0.005+/-0.006 χ^2/NDF: 19.0/26

Left In: 0.004+/-0.004 χ^2/NDF:37.1/22

Left: 0.005+/-0.003 χ^2/NDF: 64.0/47

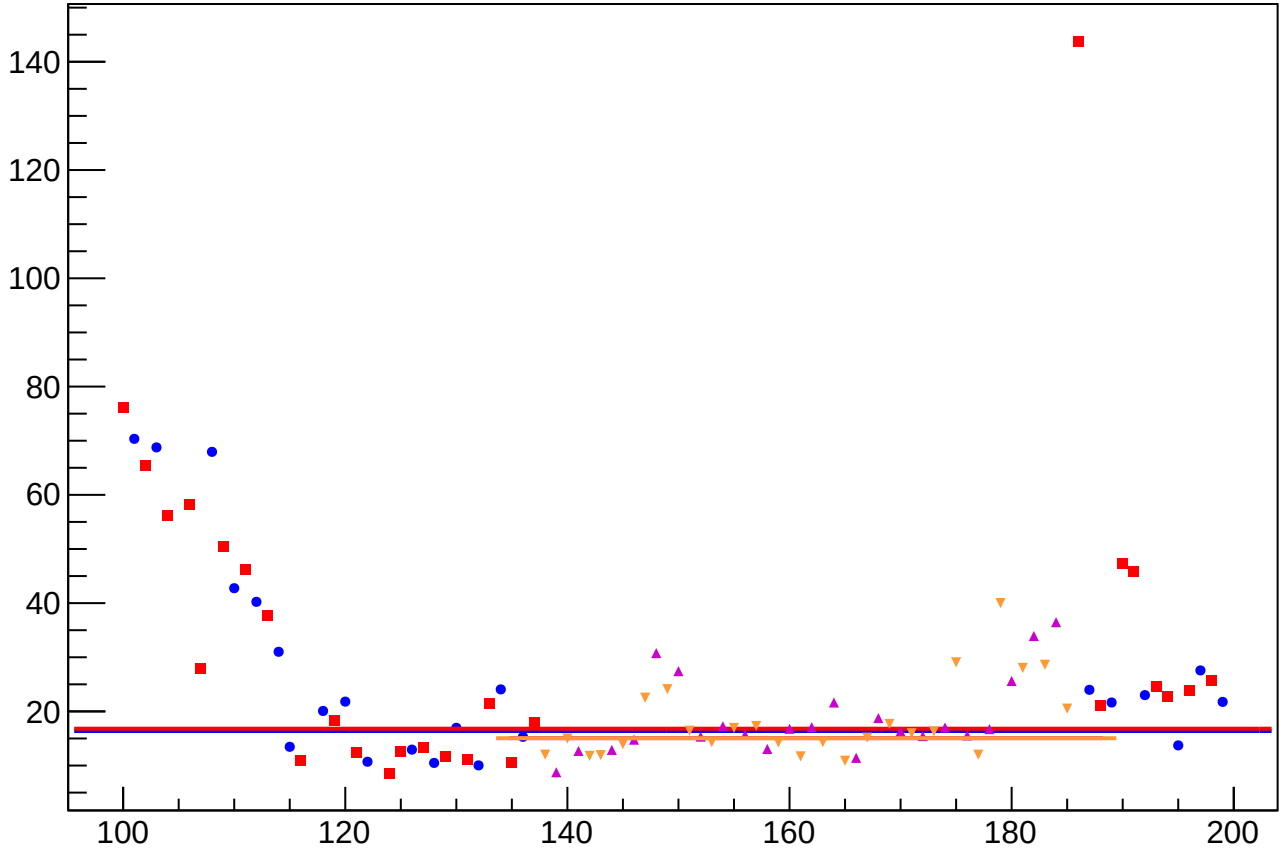
Right: -0.003+/-0.004 χ^2/NDF: 39.5/48

In: 0.002+/-0.003 χ^2/NDF:58.0/44

Out: 0.003+/-0.003 χ^2/NDF:48.6/51

All: 0.002+/-0.002 χ^2/NDF: 106.6/96

asym_sam1_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 16.378+/-0.004 χ^2/NDF: 4191360.6/21

Left Out: 15.046+/-0.003 χ^2/NDF:2758285.3/24

Right Out: 16.804+/-0.004 χ^2/NDF: 5686710.6/26

Left In: 15.067+/-0.003 χ^2/NDF:3066635.3/22

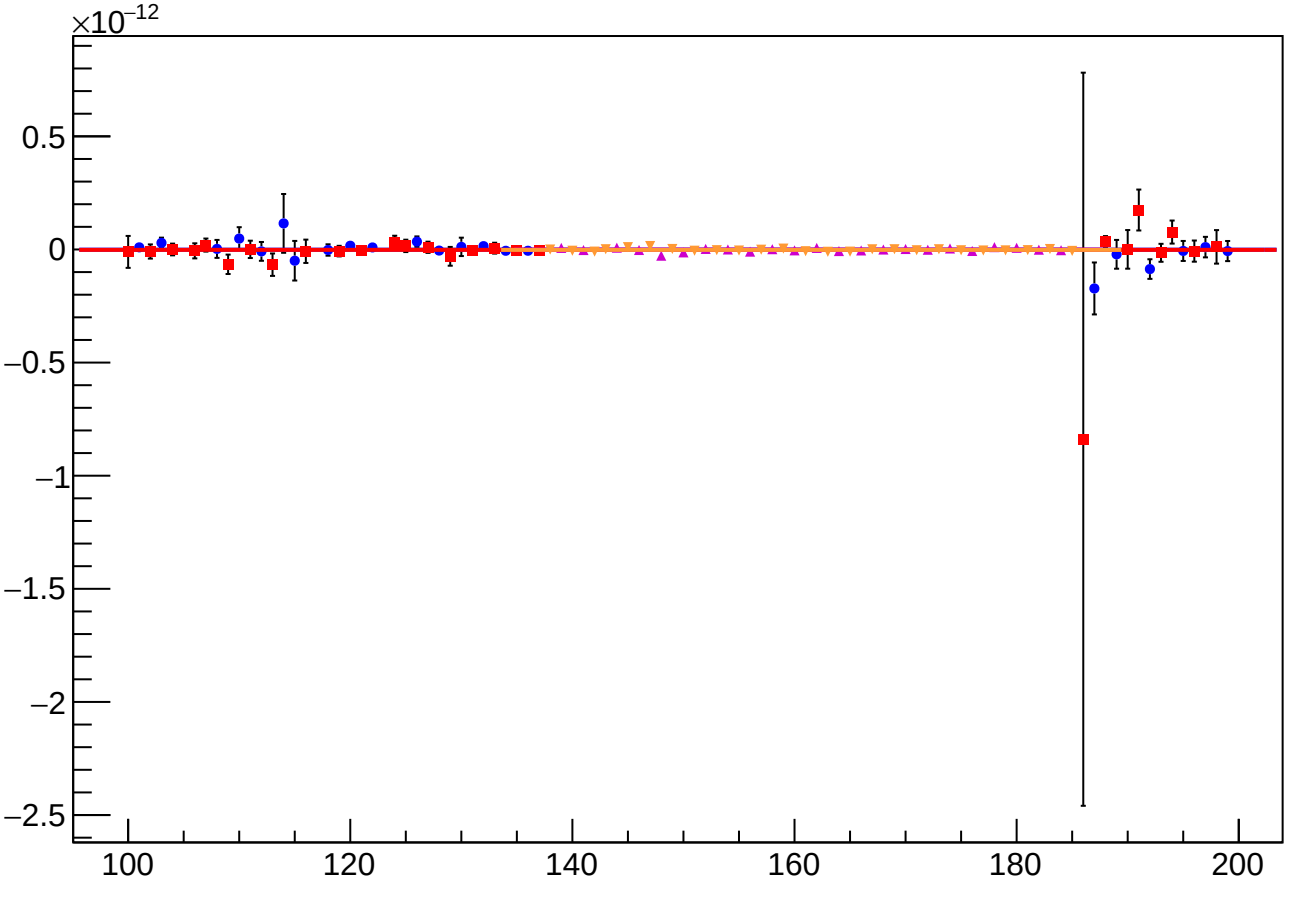
Left: 15.056+/-0.002 χ^2/NDF: 5824952.7/47

Right: 16.593+/-0.003 χ^2/NDF: 9883921.5/48

In: 15.487+/-0.002 χ^2/NDF:7332788.3/44

Out: 15.583+/-0.002 χ^2/NDF:8584326.1/51

All: 15.536+/-0.002 χ^2/NDF: 15918063.6/96



Right In: -0.000+/-0.000 χ^2/NDF: 15.7/21

Left Out: -0.000+/-0.000 χ^2/NDF:15.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 15.6/26

Left In: -0.000+/-0.000 χ^2/NDF:21.3/22

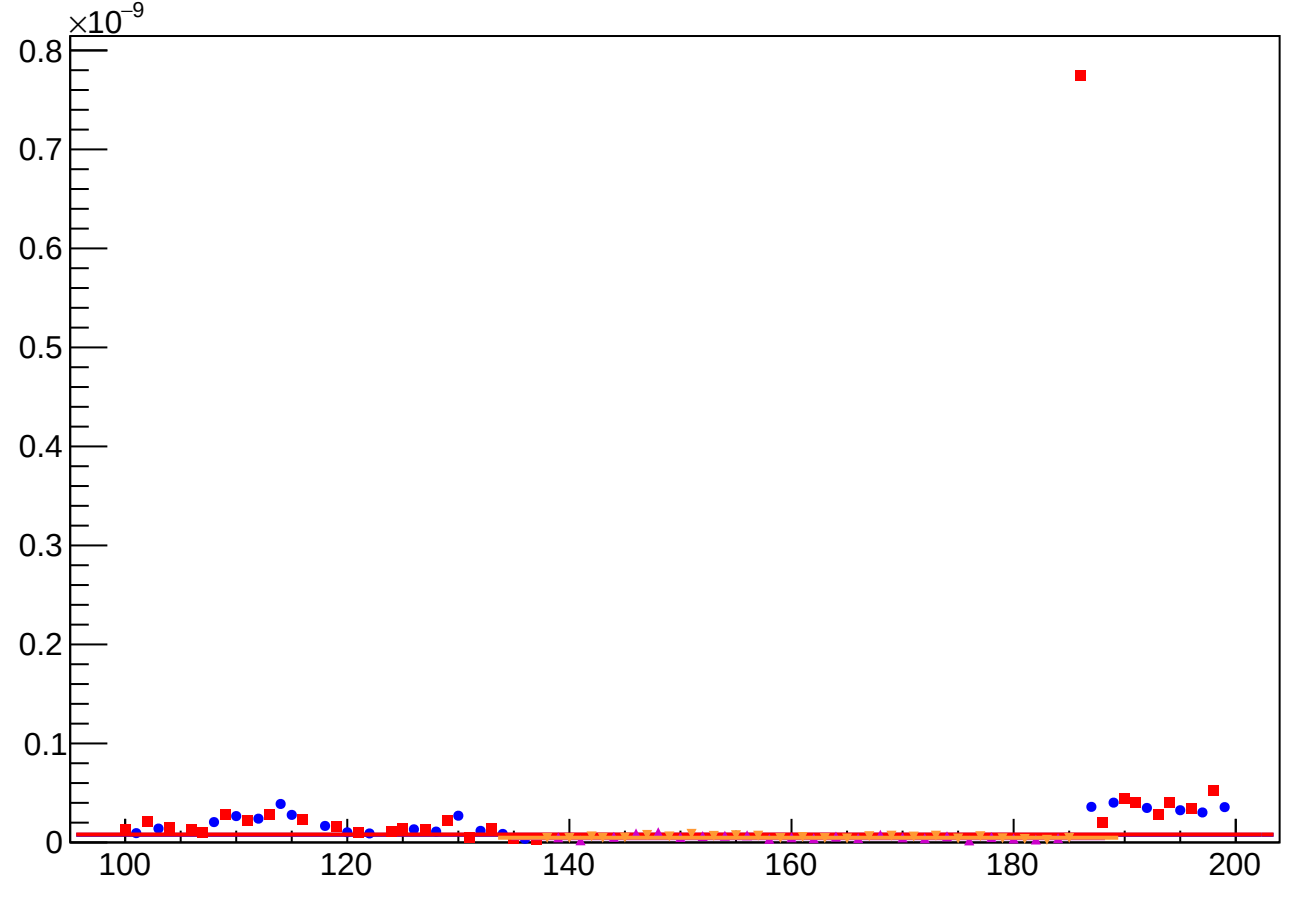
Left: -0.000+/-0.000 χ^2/NDF: 36.9/47

Right: -0.000+/-0.000 χ^2/NDF: 31.3/48

In: -0.000+/-0.000 χ^2/NDF:37.1/44

Out: -0.000+/-0.000 χ^2/NDF:30.8/51

All: -0.000+/-0.000 χ^2/NDF: 68.3/96



Right In: 0.000+/-0.000 χ^2/NDF: 6970285.5/21

Left Out: 0.000+/-0.000 χ^2/NDF:2098495.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8603246.4/26

Left In: 0.000+/-0.000 χ^2/NDF:3526134.8/22

Left: 0.000+/-0.000 χ^2/NDF: 5756687.2/47

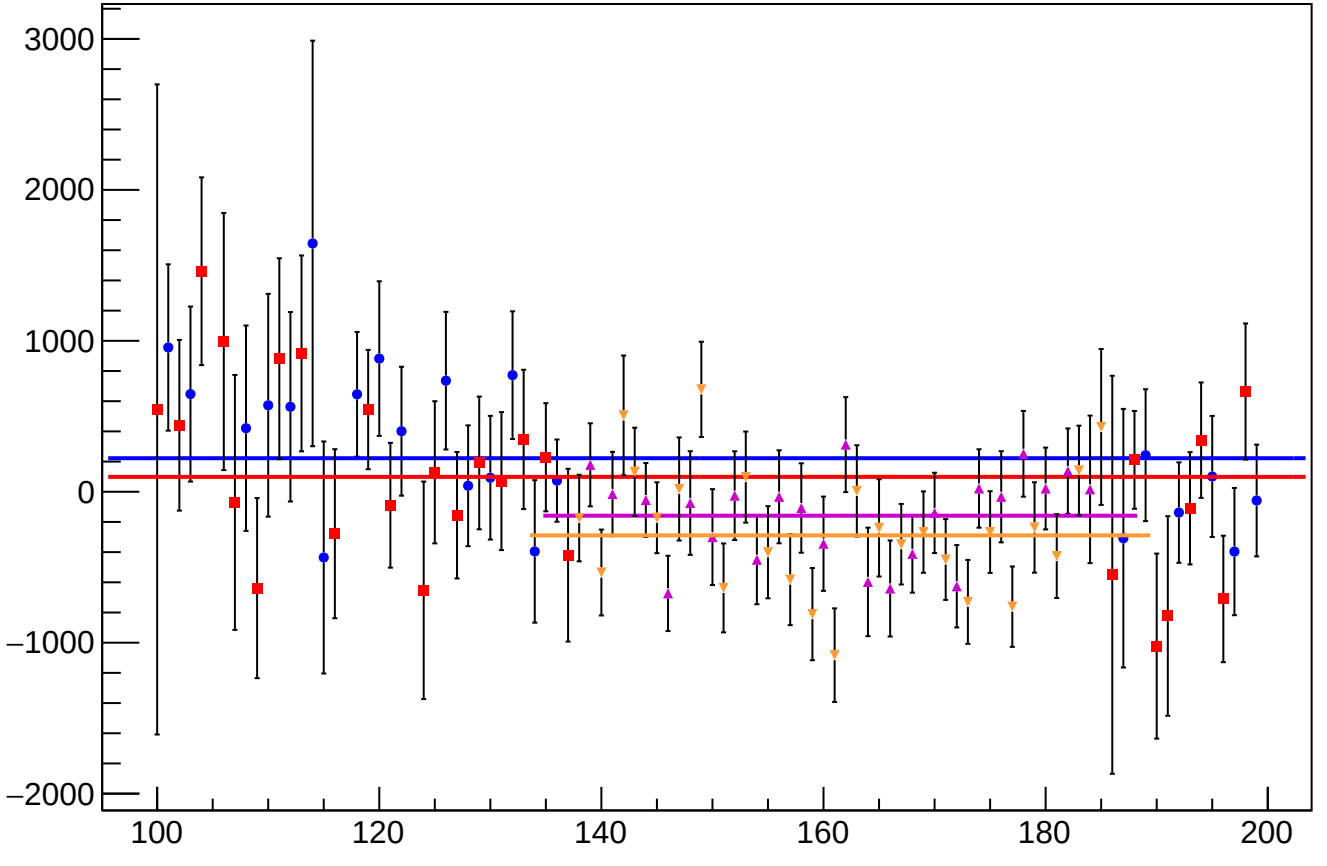
Right: 0.000+/-0.000 χ^2/NDF: 15580892.5/48

In: 0.000+/-0.000 χ^2/NDF:12001792.2/44

Out: 0.000+/-0.000 χ^2/NDF:11988393.9/51

All: 0.000+/-0.000 χ^2/NDF: 24127683.8/96

reg_asym_sam2_mean vs Slug, Sign Corrected



Right In: 222.176+/-97.342 χ^2/NDF: 17.3/21

Left Out: -288.924+/-59.035 χ^2/NDF:42.4/24

Right Out: 98.599+/-95.797 χ^2/NDF: 27.2/26

Left In: -158.601+/-60.708 χ^2/NDF:22.5/22

Left: -225.582+/-42.323 χ^2/NDF: 67.3/47

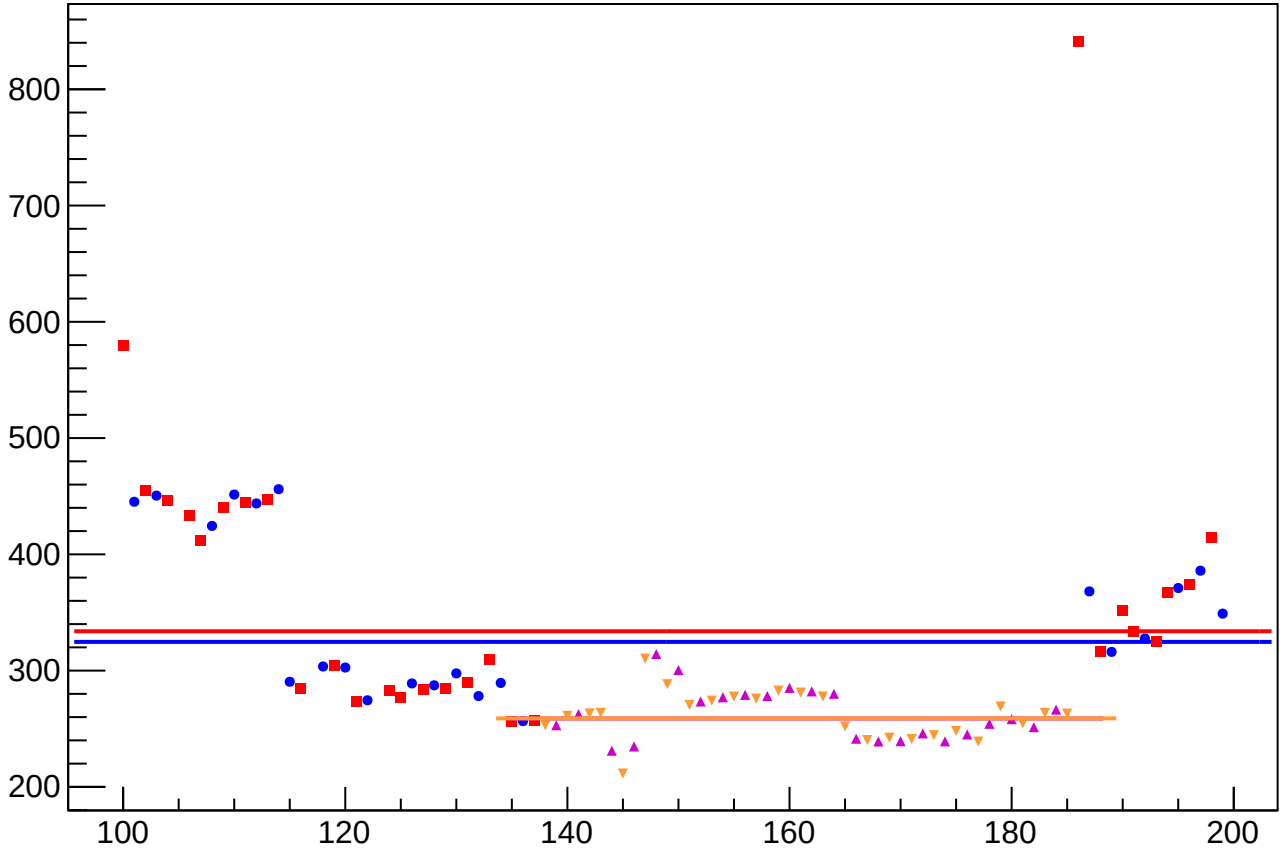
Right: 159.399+/-68.278 χ^2/NDF: 45.3/48

In: -51.973+/-51.511 χ^2/NDF:50.9/44

Out: -182.263+/-50.258 χ^2/NDF:81.5/51

All: -118.721+/-35.973 χ^2/NDF: 135.6/96

reg_asym_sam2_rms vs Slug, Sign Corrected



Right In: 324.701+/-0.069 χ^2/NDF: 706225.3/21

Left Out: 258.912+/-0.042 χ^2/NDF:248740.9/24

Right Out: 333.840+/-0.068 χ^2/NDF: 1127349.2/26

Left In: 258.843+/-0.043 χ^2/NDF:244953.3/22

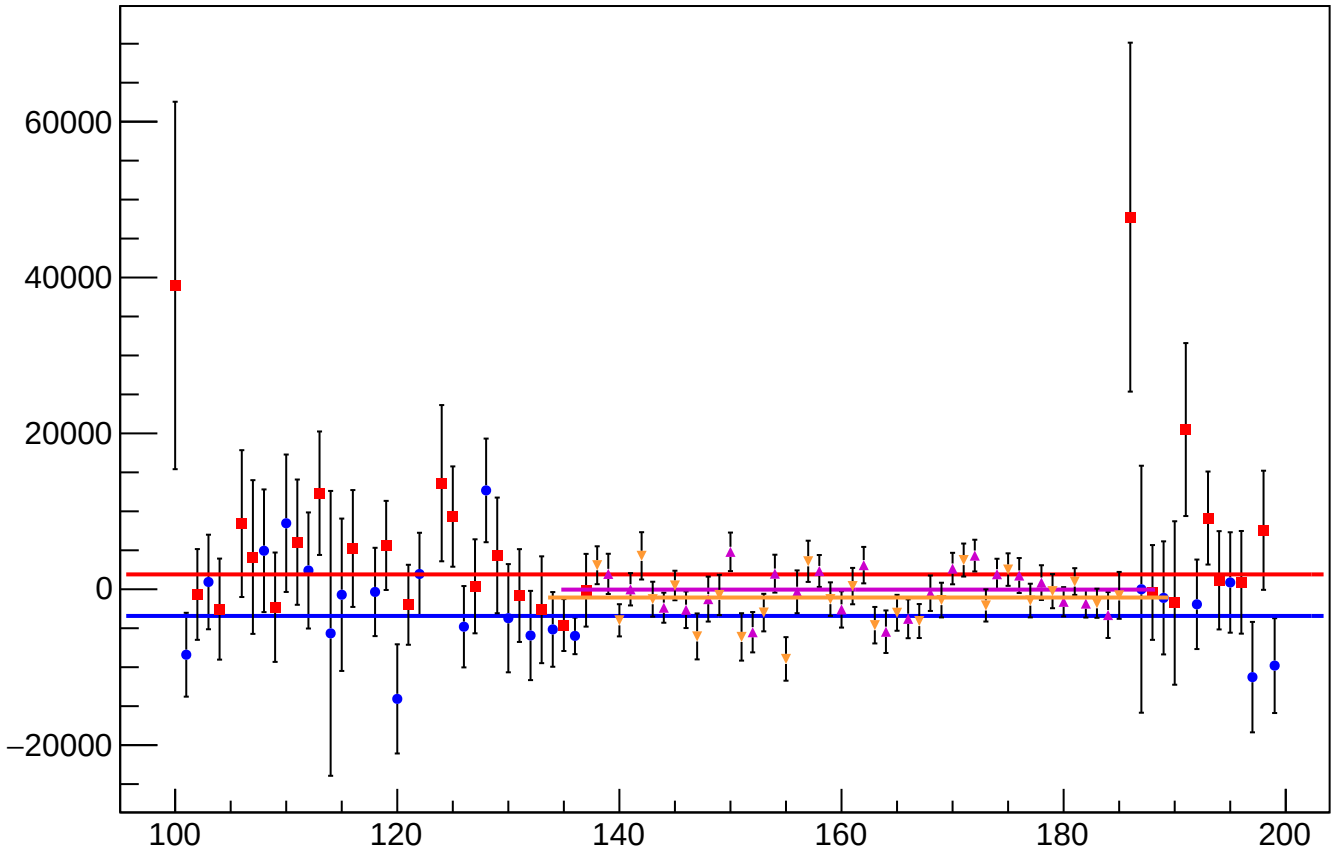
Left: 258.878+/-0.030 χ^2/NDF: 493695.6/47

Right: 329.344+/-0.048 χ^2/NDF: 1842531.4/48

In: 277.285+/-0.036 χ^2/NDF:1610292.2/44

Out: 279.535+/-0.036 χ^2/NDF:2262867.9/51

All: 278.438+/-0.025 χ^2/NDF: 3875115.3/96



Right In: -3422.765+/-1221.746 χ^2/NDF: 19.1/21

Left Out: -1059.229+/-454.653 χ^2/NDF:41.5/24

Right Out: 1907.312+/-1270.343 χ^2/NDF: 24.0/26

Left In: -44.352+/-470.700 χ^2/NDF:34.2/22

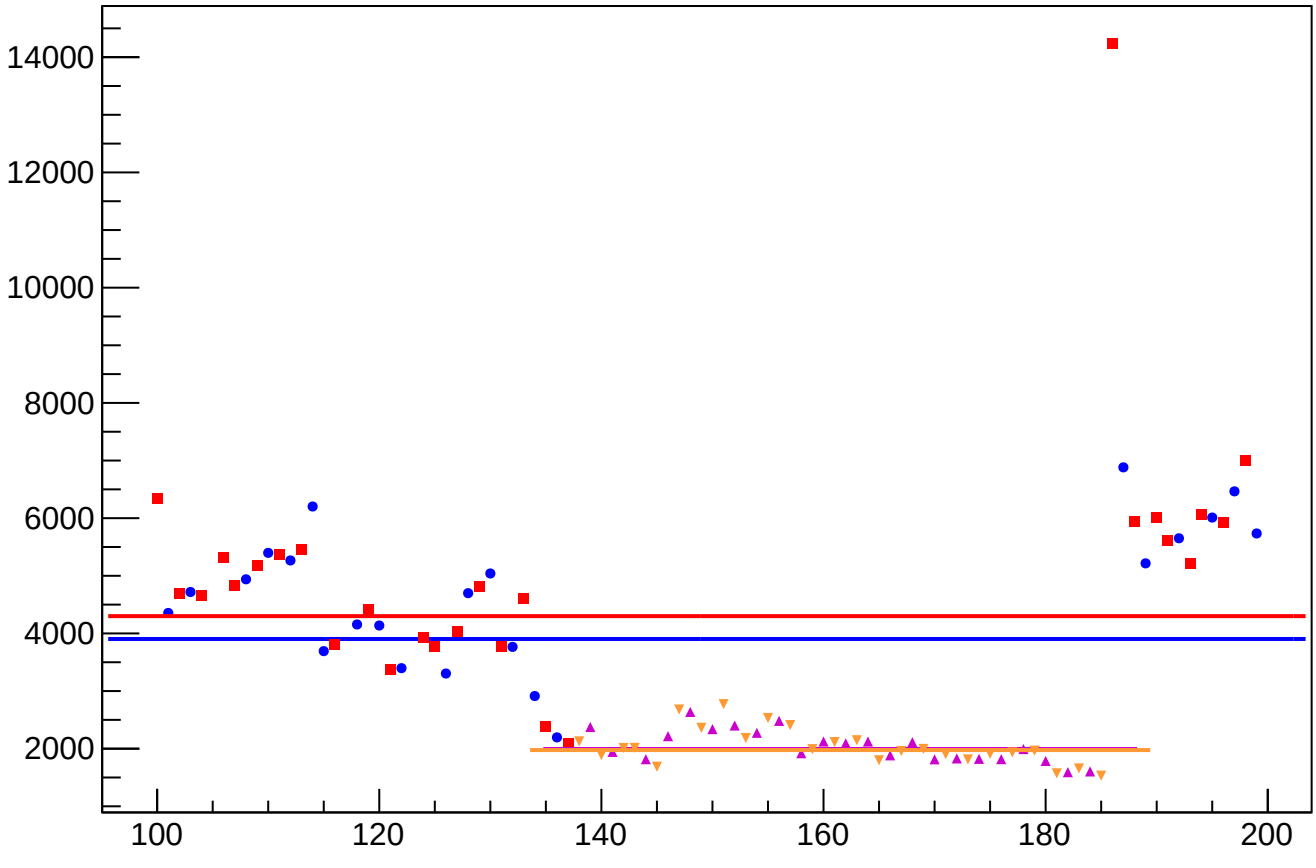
Left: -569.385+/-327.014 χ^2/NDF: 78.1/47

Right: -861.627+/-880.584 χ^2/NDF: 52.3/48

In: -481.003+/-439.230 χ^2/NDF:59.9/44

Out: -722.389+/-428.063 χ^2/NDF:70.4/51

All: -604.803+/-306.558 χ^2/NDF: 130.5/96



Right In: 3903.683+/-0.864 χ^2/NDF: 2500199.8/21

Left Out: 1975.967+/-0.321 χ^2/NDF:763327.6/24

Right Out: 4300.130+/-0.898 χ^2/NDF: 2600648.2/26

Left In: 1994.760+/-0.333 χ^2/NDF:599994.9/22

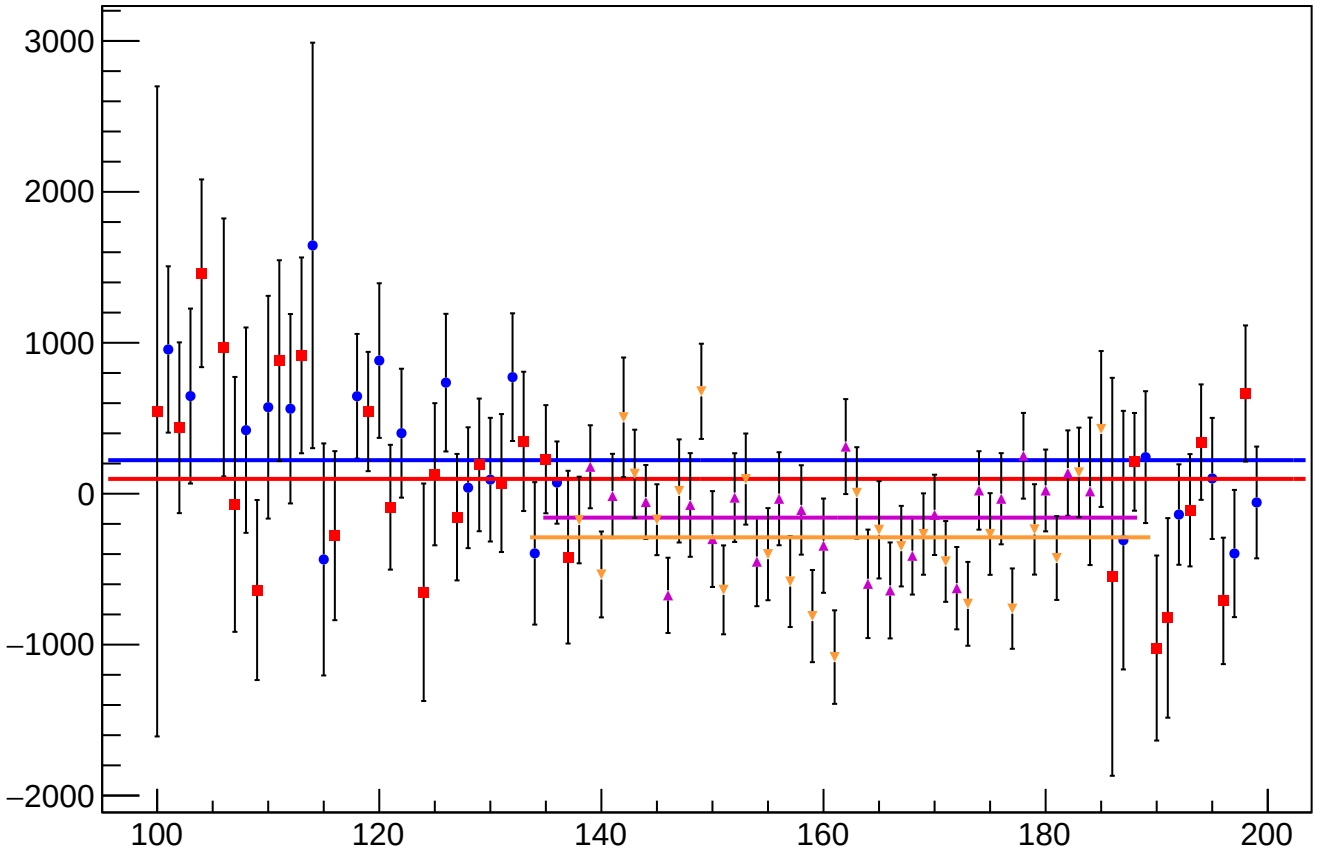
Left: 1985.038+/-0.231 χ^2/NDF: 1364971.8/47

Right: 4094.178+/-0.623 χ^2/NDF: 5202038.2/48

In: 2241.483+/-0.311 χ^2/NDF:7351672.6/44

Out: 2239.868+/-0.303 χ^2/NDF:9298378.6/51

All: 2240.655+/-0.217 χ^2/NDF: 16650065.0/9



Right In: 222.159+/-97.342 χ^2/NDF: 17.3/21

Left Out: -288.928+/-59.035 χ^2/NDF:42.4/24

Right Out: 98.065+/-95.803 χ^2/NDF: 27.1/26

Left In: -158.612+/-60.708 χ^2/NDF:22.5/22

Left: -225.590+/-42.323 χ^2/NDF: 67.3/47

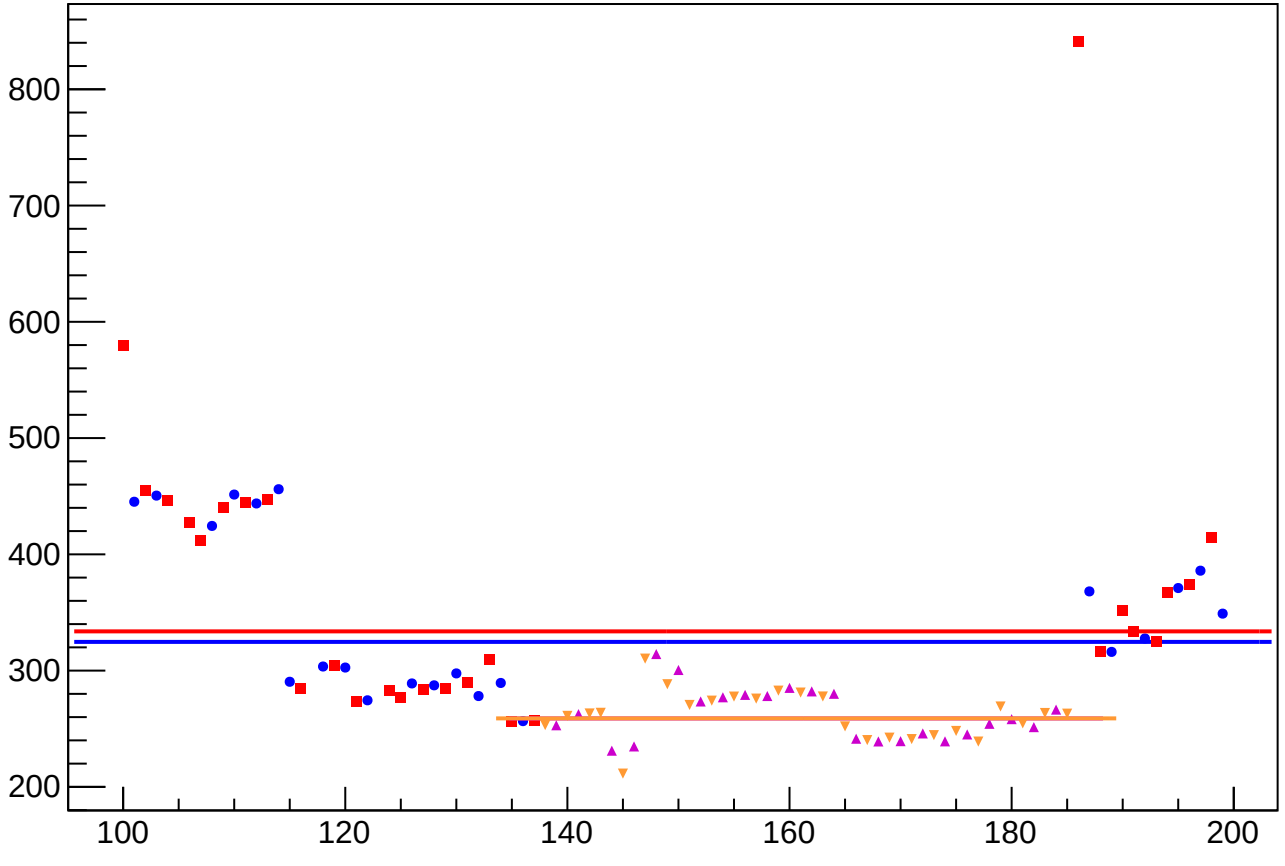
Right: 159.123+/-68.280 χ^2/NDF: 45.3/48

In: -51.986+/-51.511 χ^2/NDF:50.9/44

Out: -182.422+/-50.259 χ^2/NDF:81.4/51

All: -118.808+/-35.973 χ^2/NDF: 135.5/96

cor_asym_sam2_rms vs Slug, Sign Corrected



Right In: 324.701+/-0.069 χ^2/NDF: 706226.7/21

Left Out: 258.912+/-0.042 χ^2/NDF:248740.9/24

Right Out: 333.748+/-0.068 χ^2/NDF: 1123755.4/26

Left In: 258.843+/-0.043 χ^2/NDF:244953.3/22

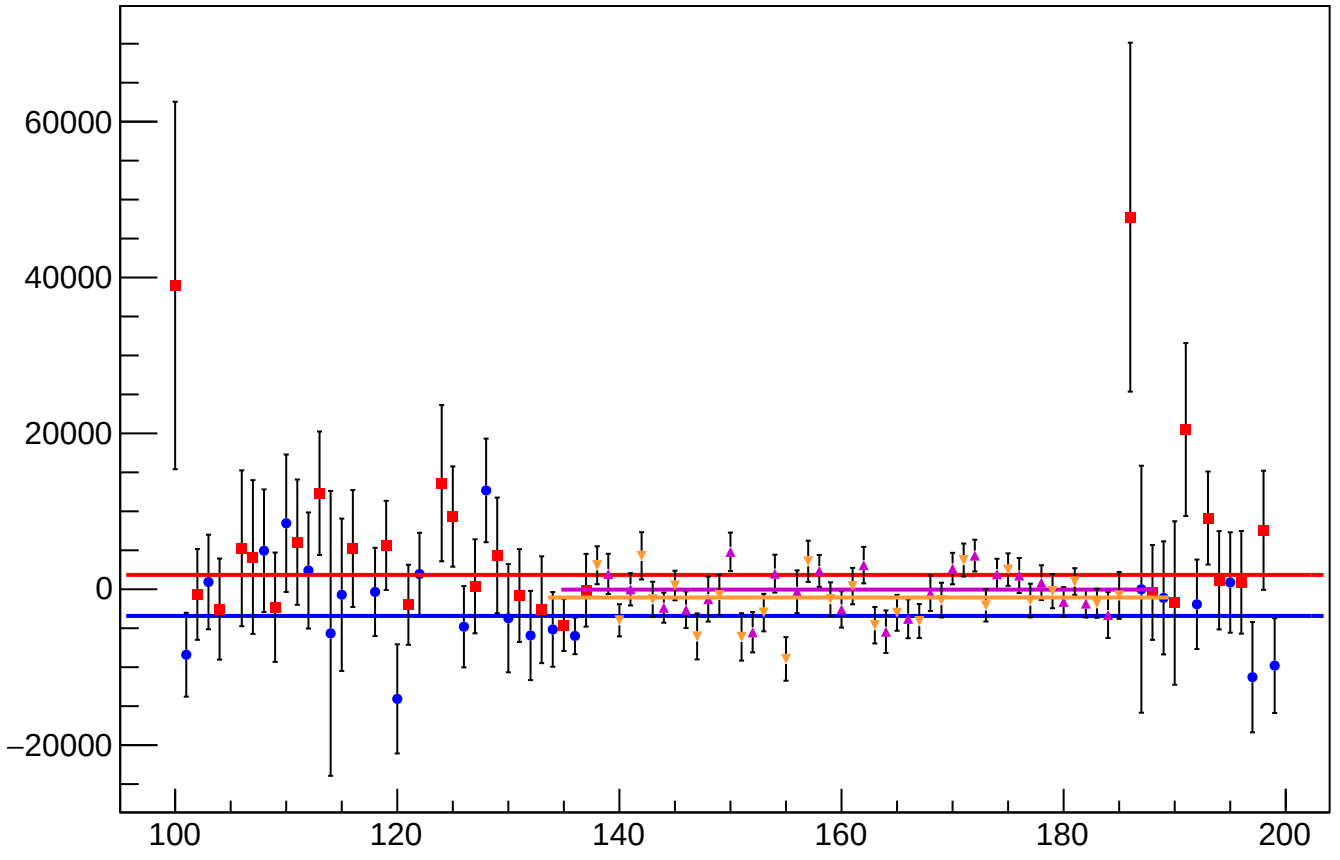
Left: 258.878+/-0.030 χ^2/NDF: 493695.6/47

Right: 329.297+/-0.048 χ^2/NDF: 1838758.2/48

In: 277.285+/-0.036 χ^2/NDF:1610293.7/44

Out: 279.508+/-0.036 χ^2/NDF:2257011.7/51

All: 278.424+/-0.025 χ^2/NDF: 3869213.5/96



Right In: -3422.717+/-1221.748 χ^2/NDF: 19.1/21

Left Out: -1059.232+/-454.653 χ^2/NDF:41.5/24

Right Out: 1843.259+/-1271.664 χ^2/NDF: 23.7/26

Left In: -44.348+/-470.700 χ^2/NDF:34.2/22

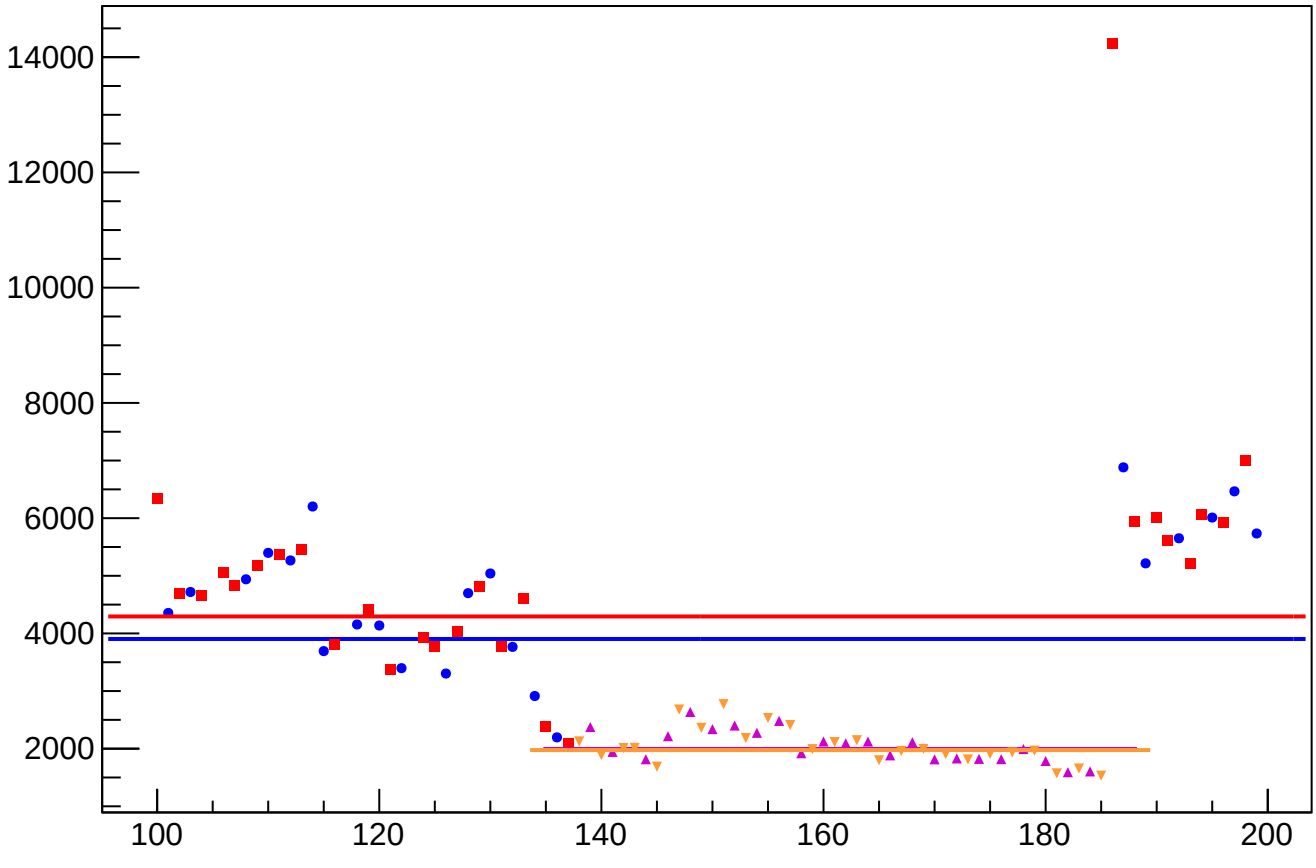
Left: -569.385+/-327.014 χ^2/NDF: 78.1/47

Right: -895.109+/-881.025 χ^2/NDF: 51.7/48

In: -480.992+/-439.230 χ^2/NDF:59.9/44

Out: -730.272+/-428.114 χ^2/NDF:69.8/51

All: -608.826+/-306.577 χ^2/NDF: 129.9/96



Right In: 3903.688+/-0.864 χ^2/NDF: 2500210.6/21

Left Out: 1975.967+/-0.321 χ^2/NDF:763328.1/24

Right Out: 4294.198+/-0.899 χ^2/NDF: 2589405.0/26

Left In: 1994.760+/-0.333 χ^2/NDF:599996.2/22

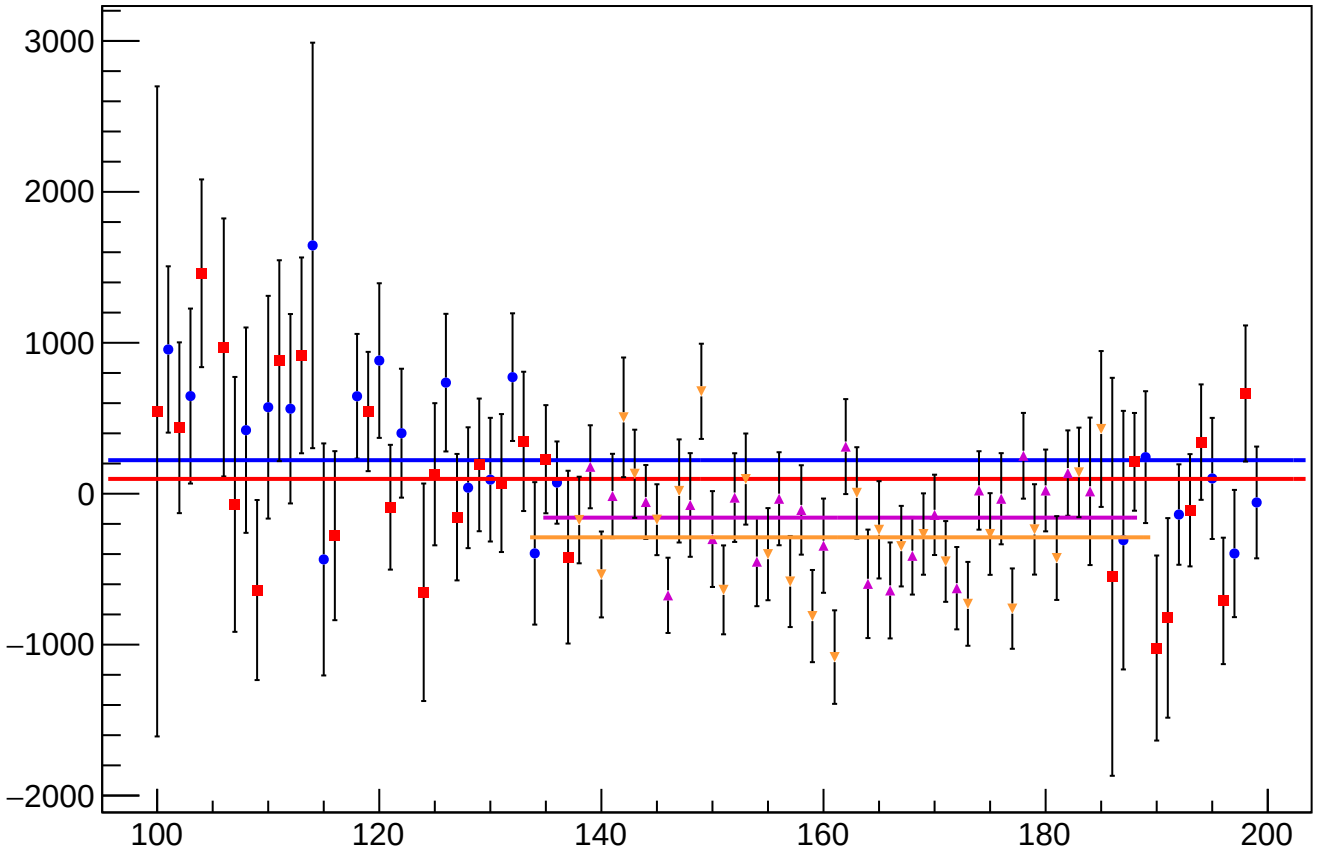
Left: 1985.038+/-0.231 χ^2/NDF: 1364973.6/47

Right: 4091.128+/-0.623 χ^2/NDF: 5187691.4/48

In: 2241.484+/-0.311 χ^2/NDF:7351692.5/44

Out: 2238.709+/-0.303 χ^2/NDF:9246005.5/51

All: 2240.061+/-0.217 χ^2/NDF: 16597739.0/9



Right In: 222.159+/-97.342 χ^2/NDF: 17.3/21

Left Out: -288.928+/-59.035 χ^2/NDF:42.4/24

Right Out: 98.065+/-95.803 χ^2/NDF: 27.1/26

Left In: -158.612+/-60.708 χ^2/NDF:22.5/22

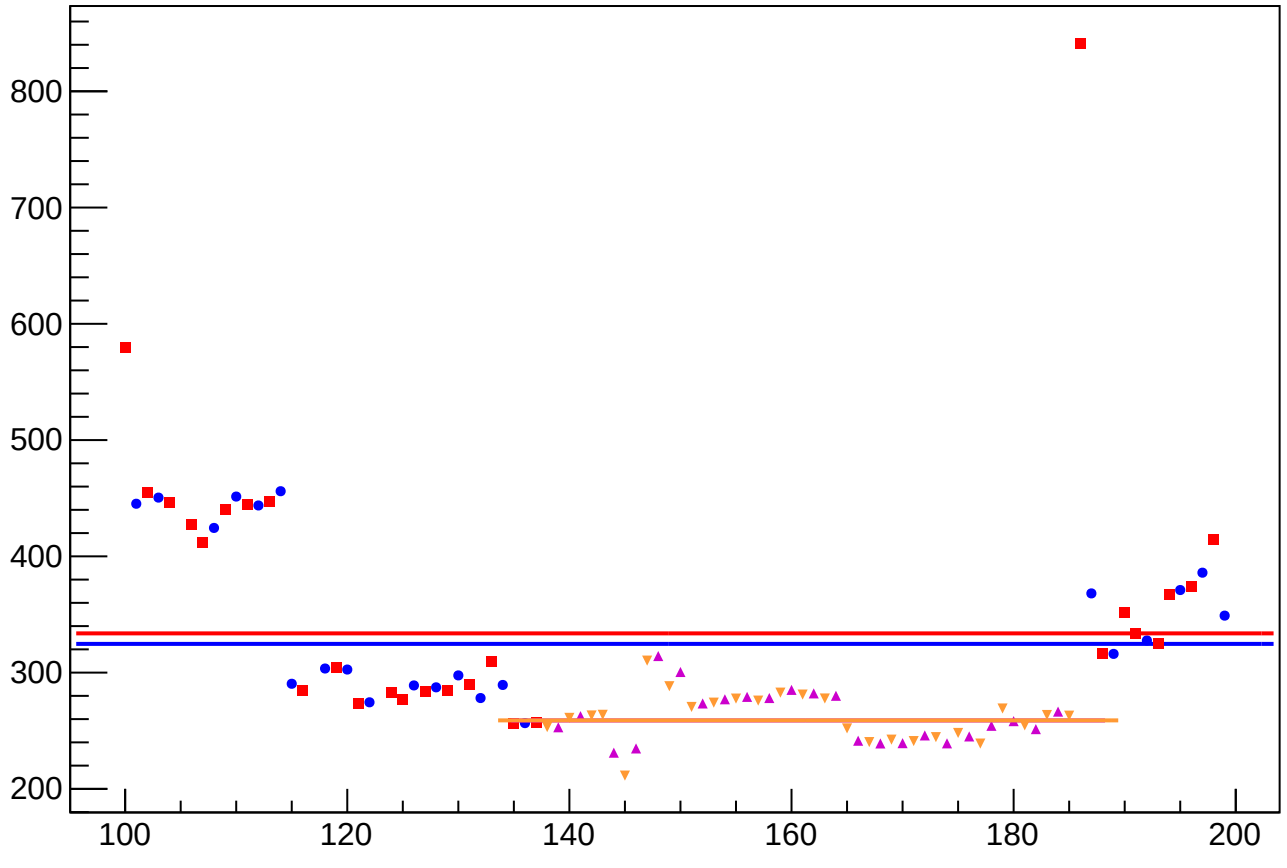
Left: -225.590+/-42.323 χ^2/NDF: 67.3/47

Right: 159.123+/-68.280 χ^2/NDF: 45.3/48

In: -51.986+/-51.511 χ^2/NDF:50.9/44

Out: -182.422+/-50.259 χ^2/NDF:81.4/51

All: -118.808+/-35.973 χ^2/NDF: 135.5/96



Right In: 324.701+/-0.069 χ^2/NDF: 706226.7/21

Left Out: 258.912+/-0.042 χ^2/NDF:248740.9/24

Right Out: 333.748+/-0.068 χ^2/NDF: 1123755.4/26

Left In: 258.843+/-0.043 χ^2/NDF:244953.3/22

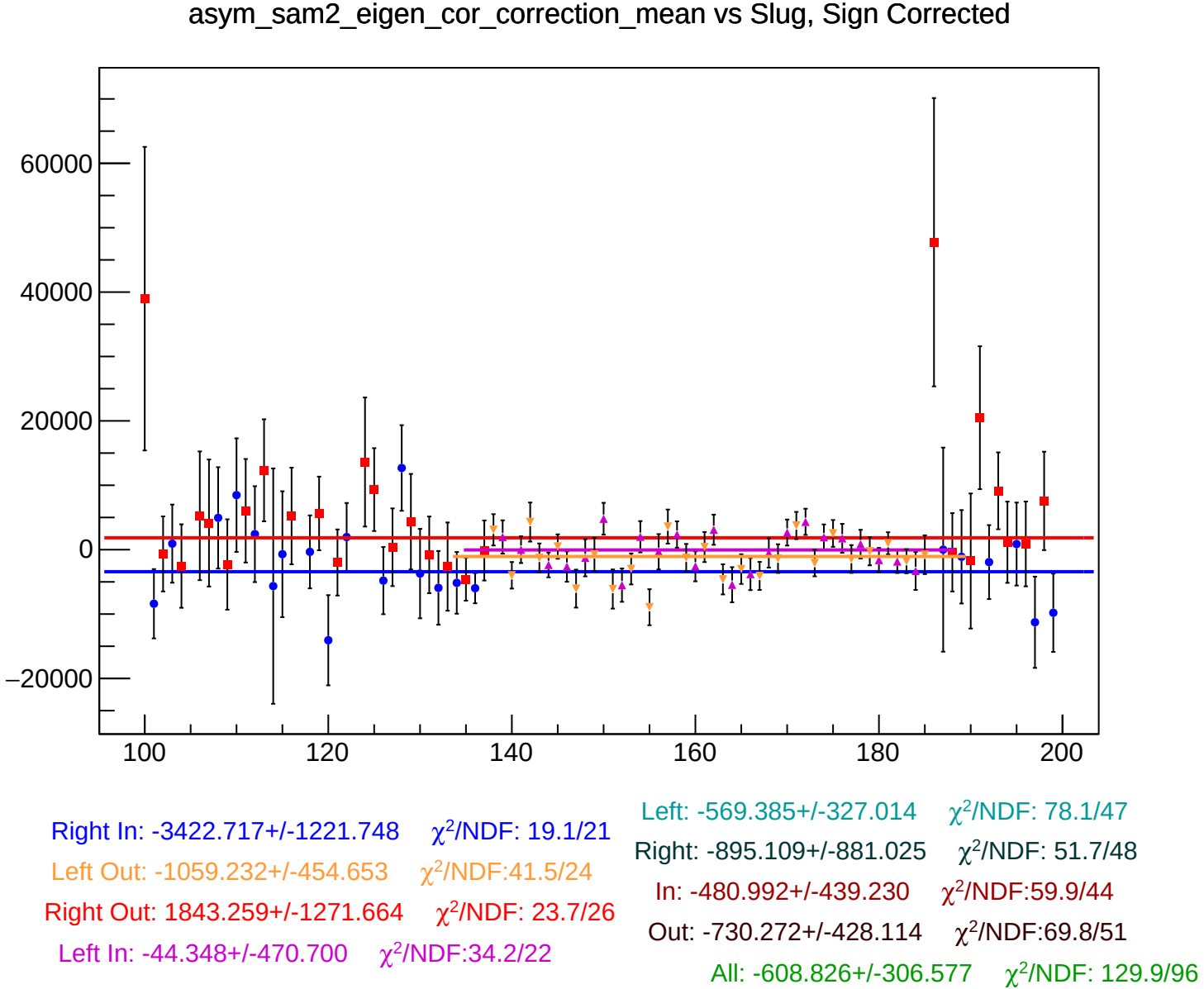
Left: 258.878+/-0.030 χ^2/NDF: 493695.6/47

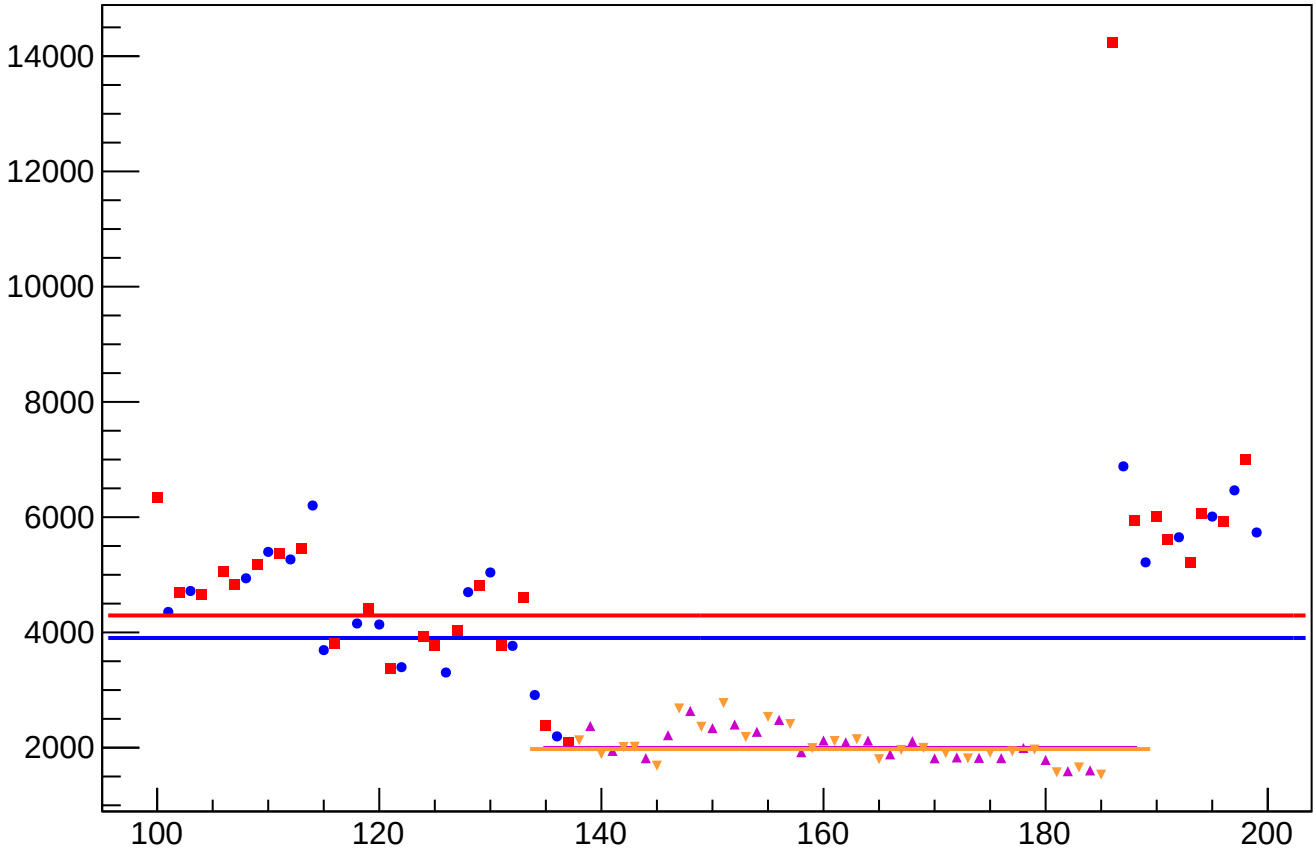
Right: 329.297+/-0.048 χ^2/NDF: 1838758.2/48

In: 277.285+/-0.036 χ^2/NDF:1610293.7/44

Out: 279.508+/-0.036 χ^2/NDF:2257011.7/51

All: 278.424+/-0.025 χ^2/NDF: 3869213.5/96


asym_sam2_eigen_cor_correction_mean vs Slug, Sign Corrected
60000
40000
20000
0
−20000
100
120
140
160
180
200
Right In: -3422.717+/-1221.748 χ²/NDF: 19.1/21
Left Out: -1059.232+/-454.653 χ²/NDF:41.5/24
Right Out: 1843.259+/-1271.664 χ²/NDF: 23.7/26
Left In: -44.348+/-470.700 χ²/NDF:34.2/22
Left: -569.385+/-327.014 χ²/NDF: 78.1/47
Right: -895.109+/-881.025 χ²/NDF: 51.7/48
In: -480.992+/-439.230 χ²/NDF:59.9/44
Out: -730.272+/-428.114 χ²/NDF:69.8/51
All: -608.826+/-306.577 χ²/NDF: 129.9/96



Right In: 3903.688+/-0.864 χ^2/NDF: 2500210.6/21

Left Out: 1975.967+/-0.321 χ^2/NDF:763328.1/24

Right Out: 4294.198+/-0.899 χ^2/NDF: 2589405.0/26

Left In: 1994.760+/-0.333 χ^2/NDF:599996.2/22

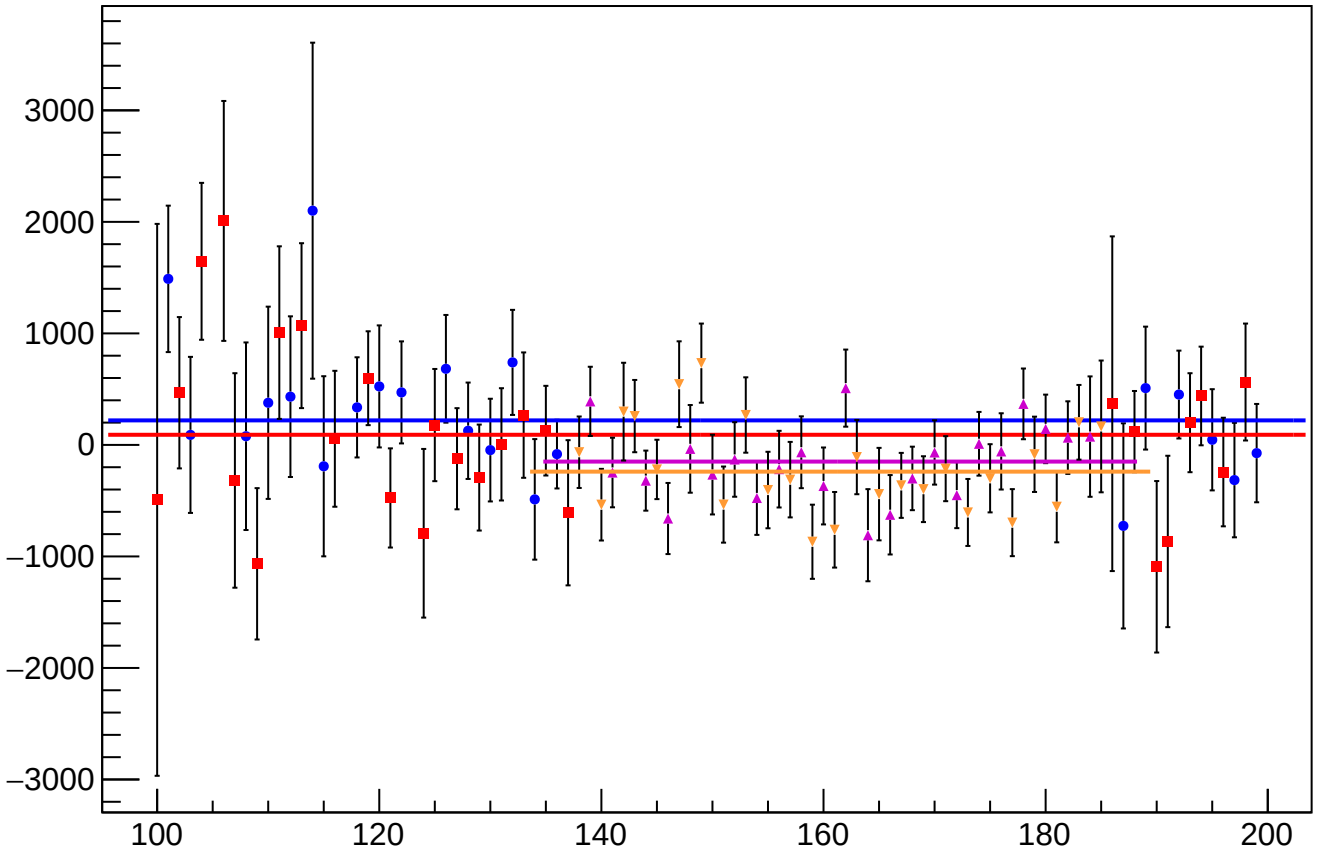
Left: 1985.038+/-0.231 χ^2/NDF: 1364973.6/47

Right: 4091.128+/-0.623 χ^2/NDF: 5187691.4/48

In: 2241.484+/-0.311 χ^2/NDF:7351692.5/44

Out: 2238.709+/-0.303 χ^2/NDF:9246005.5/51

All: 2240.061+/-0.217 χ^2/NDF: 16597739.0/9



Right In: 219.887+/-110.672 χ^2/NDF: 15.0/21

Left Out: -239.549+/-66.167 χ^2/NDF:34.0/24

Right Out: 90.877+/-108.186 χ^2/NDF: 27.2/26

Left In: -149.516+/-68.160 χ^2/NDF:21.7/22

Left: -195.868+/-47.476 χ^2/NDF: 56.6/47

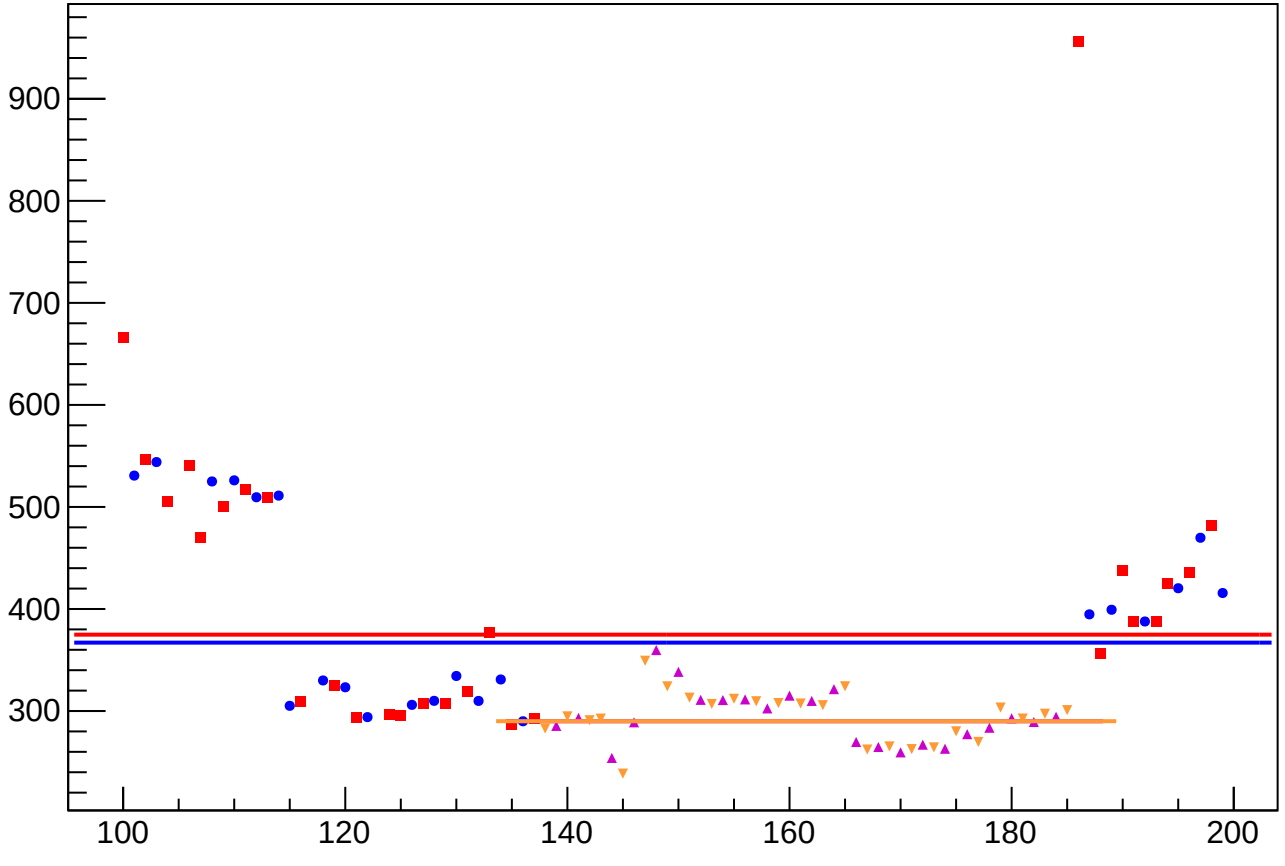
Right: 153.917+/-77.363 χ^2/NDF: 42.9/48

In: -47.933+/-58.036 χ^2/NDF:44.7/44

Out: -149.597+/-56.447 χ^2/NDF:68.1/51

All: -100.176+/-40.464 χ^2/NDF: 114.4/96

dit_asym_sam2_rms vs Slug, Sign Corrected



Right In: 367.033+/-0.078 χ^2/NDF: 963264.2/21

Left Out: 290.023+/-0.047 χ^2/NDF:280647.1/24

Right Out: 374.841+/-0.076 χ^2/NDF: 1380611.4/26

Left In: 289.941+/-0.048 χ^2/NDF:269669.5/22

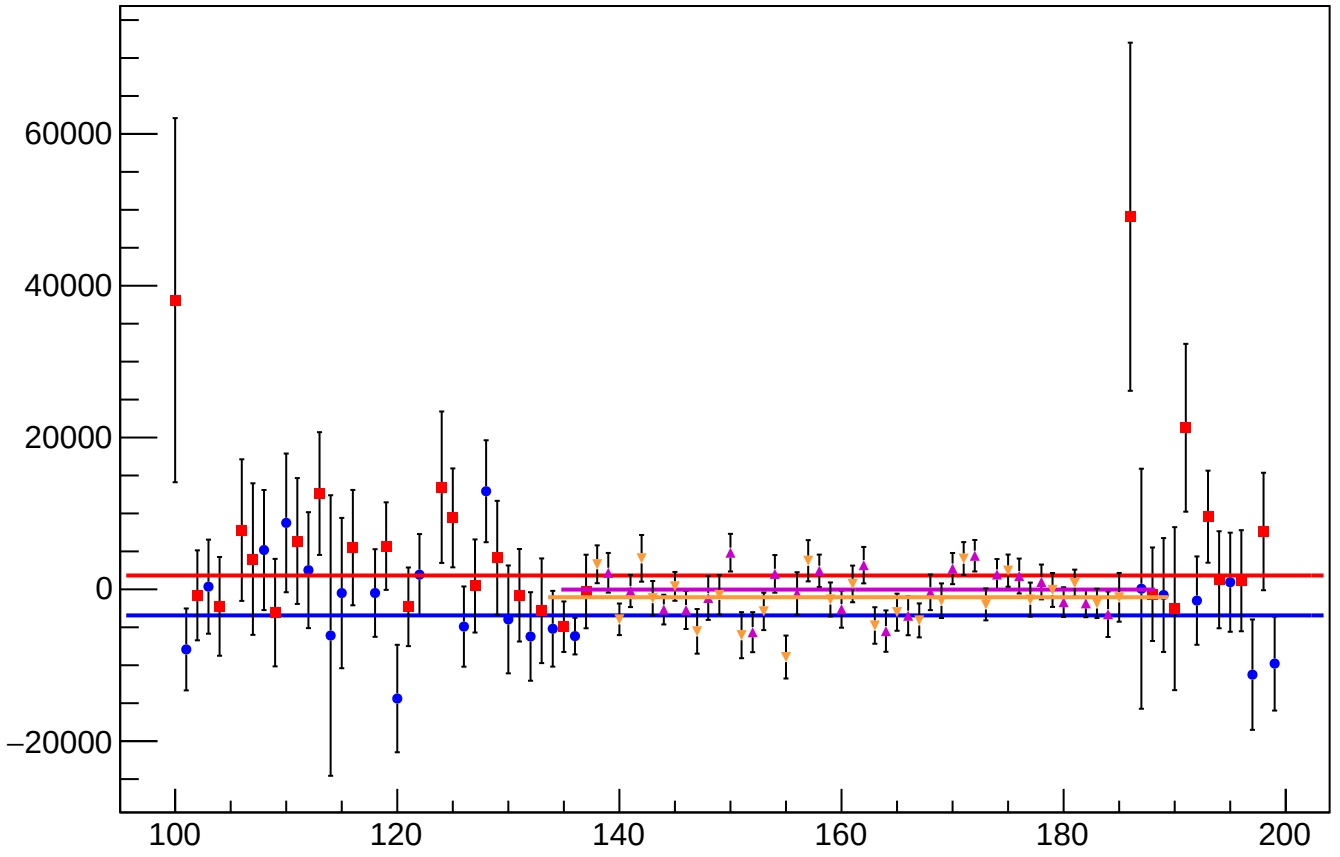
Left: 289.983+/-0.034 χ^2/NDF: 550318.1/47

Right: 371.026+/-0.055 χ^2/NDF: 2348967.3/48

In: 311.141+/-0.041 χ^2/NDF:1936507.3/44

Out: 313.113+/-0.040 χ^2/NDF:2555934.8/51

All: 312.154+/-0.029 χ^2/NDF: 4493629.2/96



Right In: -3433.742+/-1248.322 χ^2/NDF: 19.0/21

Left Out: -1036.592+/-465.324 χ^2/NDF:40.3/24

Right Out: 1826.339+/-1285.930 χ^2/NDF: 24.9/26

Left In: -30.393+/-482.280 χ^2/NDF:34.1/22

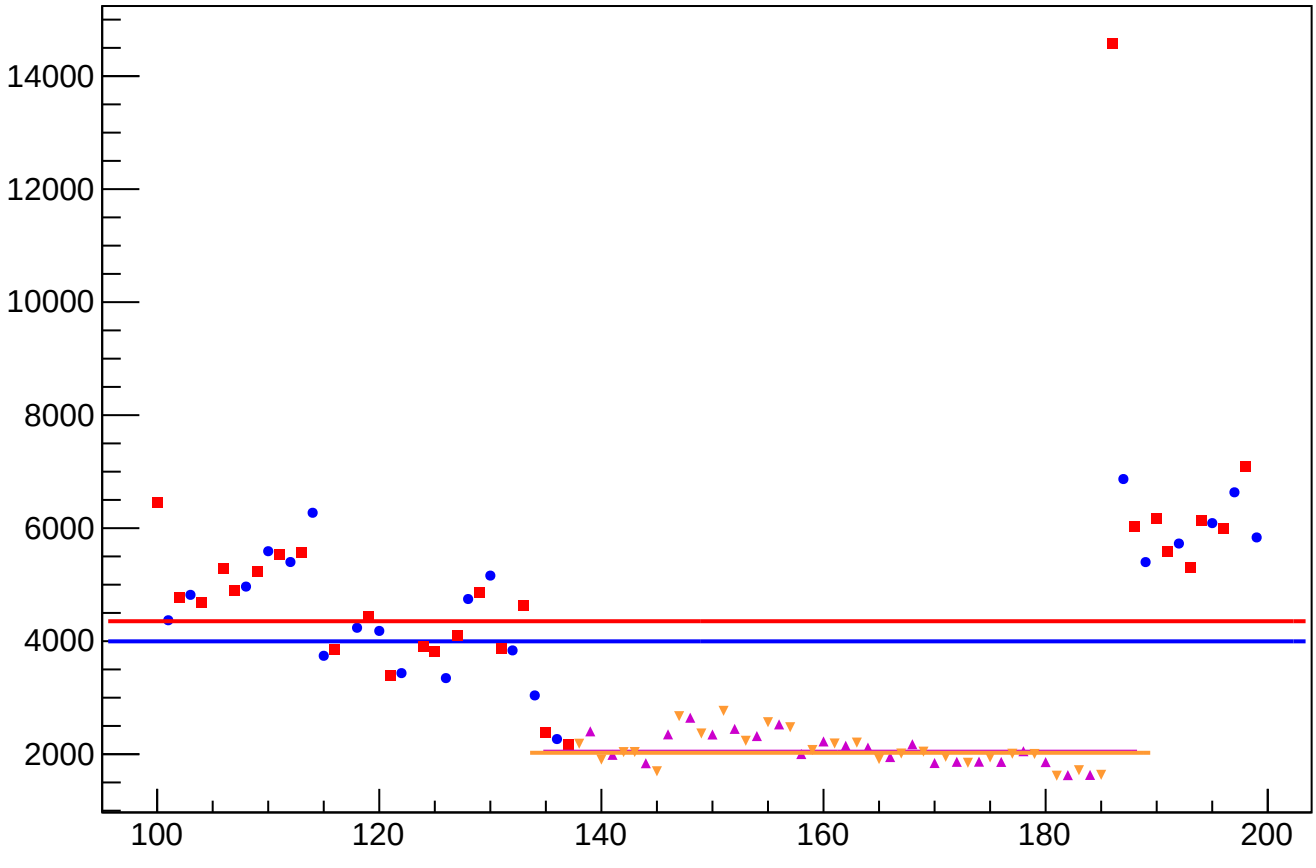
Left: -551.492+/-334.868 χ^2/NDF: 76.7/47

Right: -881.743+/-895.698 χ^2/NDF: 52.5/48

In: -472.405+/-449.873 χ^2/NDF:59.6/44

Out: -705.120+/-437.558 χ^2/NDF:69.6/51

All: -591.991+/-313.664 χ^2/NDF: 129.3/96



Right In: 3997.164+/-0.883 χ^2/NDF: 2426961.2/21

Left Out: 2025.085+/-0.329 χ^2/NDF:700821.6/24

Right Out: 4353.213+/-0.909 χ^2/NDF: 2606888.0/26

Left In: 2044.523+/-0.341 χ^2/NDF:584918.7/22

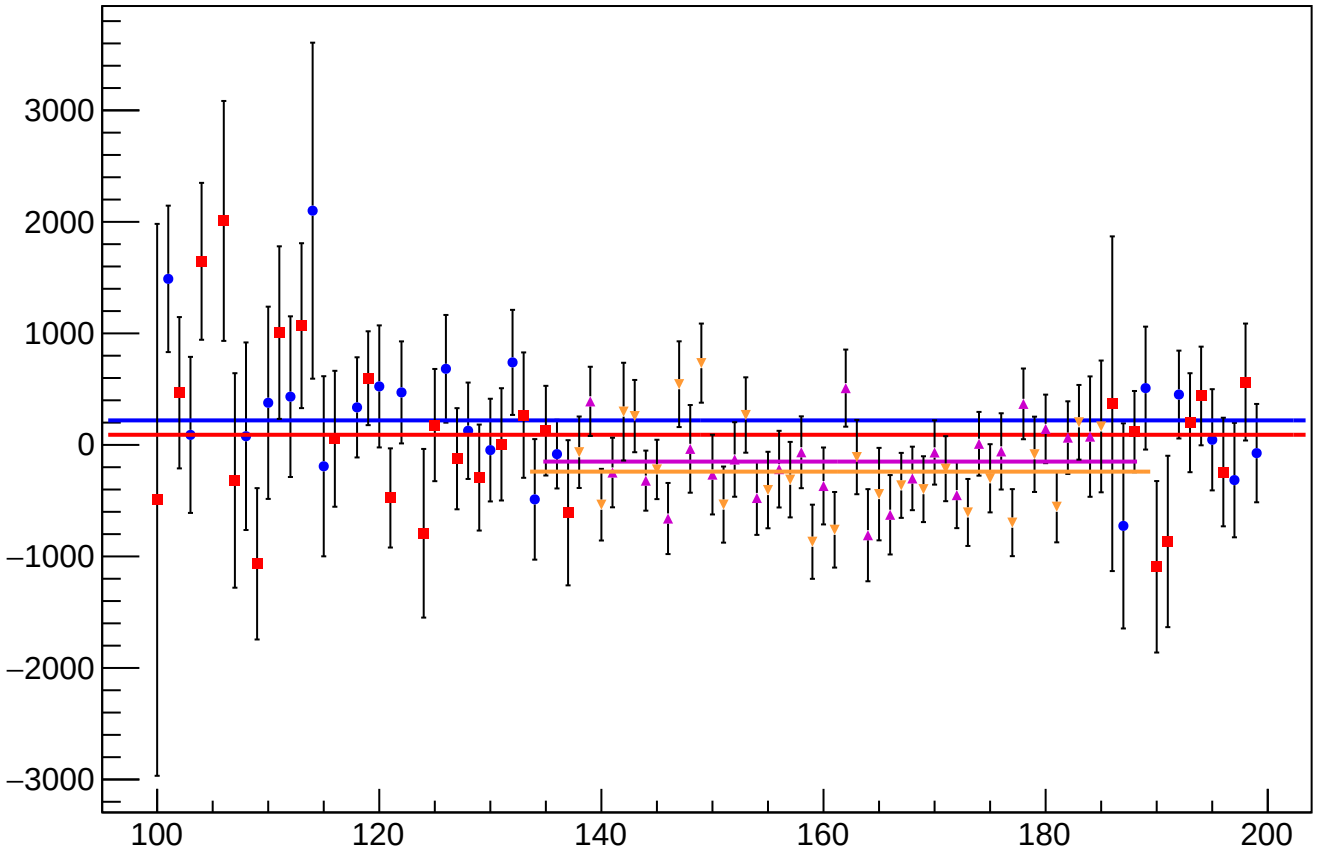
Left: 2034.456+/-0.237 χ^2/NDF: 1287422.7/47

Right: 4169.906+/-0.633 χ^2/NDF: 5112786.9/48

In: 2298.123+/-0.318 χ^2/NDF:7269853.2/44

Out: 2294.637+/-0.309 χ^2/NDF:9104253.1/51

All: 2296.332+/-0.222 χ^2/NDF: 16374168.0/9



Right In: 219.891+/-110.671 χ^2/NDF: 15.0/21

Left Out: -239.552+/-66.167 χ^2/NDF:34.0/24

Right Out: 90.878+/-108.185 χ^2/NDF: 27.2/26

Left In: -149.517+/-68.160 χ^2/NDF:21.7/22

Left: -195.870+/-47.476 χ^2/NDF: 56.6/47

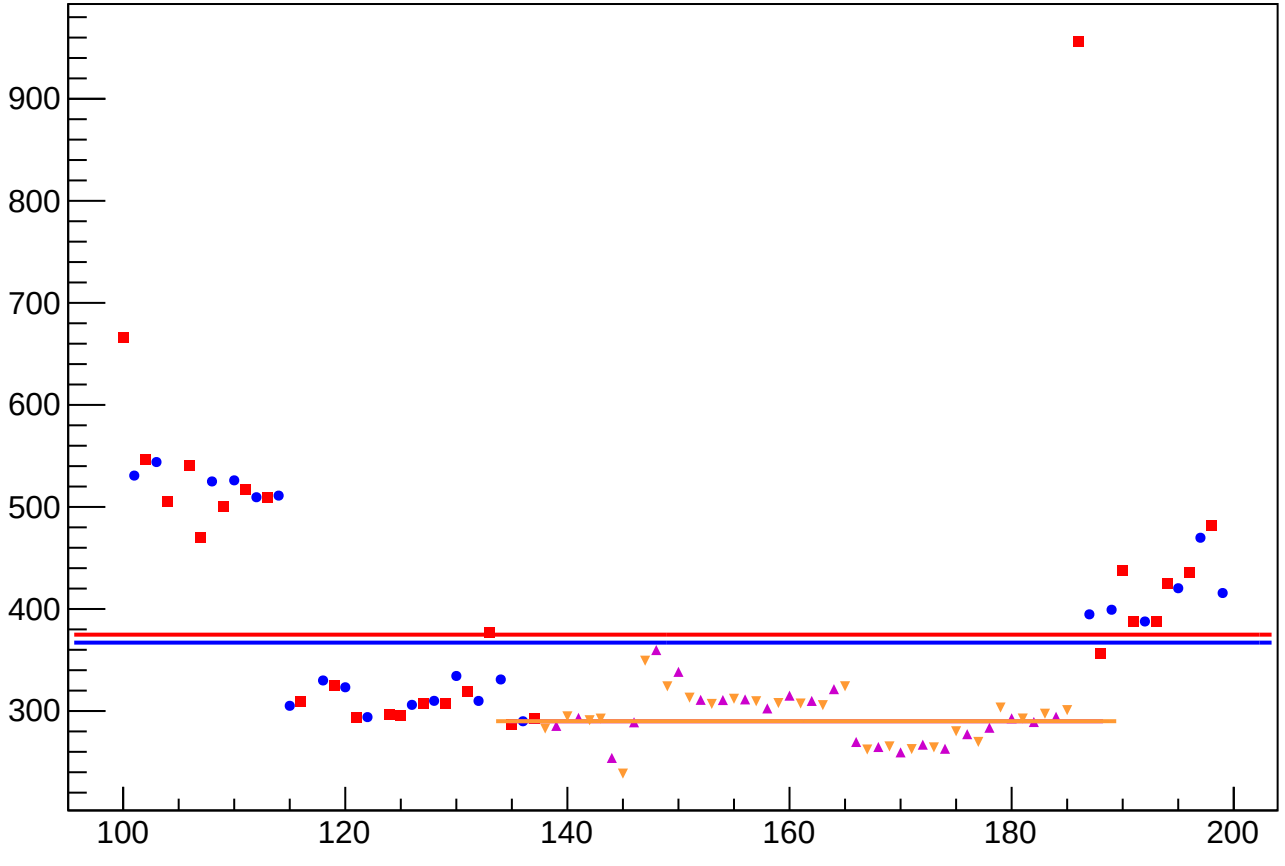
Right: 153.919+/-77.363 χ^2/NDF: 42.9/48

In: -47.932+/-58.036 χ^2/NDF:44.8/44

Out: -149.599+/-56.447 χ^2/NDF:68.1/51

All: -100.176+/-40.464 χ^2/NDF: 114.4/96

eigen_dit_asym_sam2_rms vs Slug, Sign Corrected



Right In: 367.031+/-0.078 χ^2/NDF: 963265.6/21

Left Out: 290.023+/-0.047 χ^2/NDF:280652.8/24

Right Out: 374.841+/-0.076 χ^2/NDF: 1380604.1/26

Left In: 289.941+/-0.048 χ^2/NDF:269671.9/22

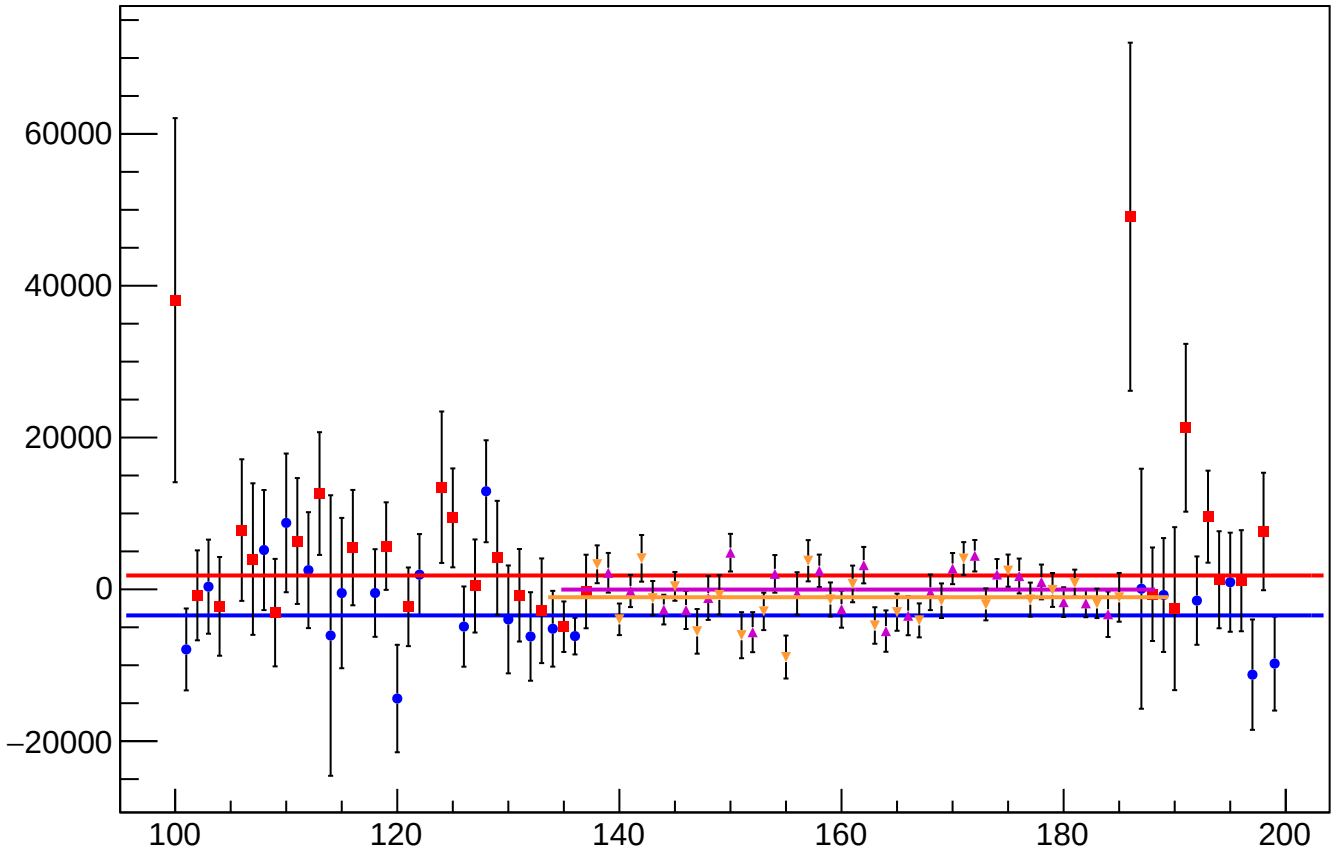
Left: 289.983+/-0.034 χ^2/NDF: 550326.2/47

Right: 371.024+/-0.055 χ^2/NDF: 2348962.3/48

In: 311.140+/-0.041 χ^2/NDF:1936487.0/44

Out: 313.113+/-0.040 χ^2/NDF:2555916.3/51

All: 312.154+/-0.029 χ^2/NDF: 4493590.6/96



Right In: -3433.735+/-1248.321 χ^2/NDF: 19.0/21

Left Out: -1036.591+/-465.324 χ^2/NDF:40.3/24

Right Out: 1826.341+/-1285.929 χ^2/NDF: 24.9/26

Left In: -30.392+/-482.280 χ^2/NDF:34.1/22

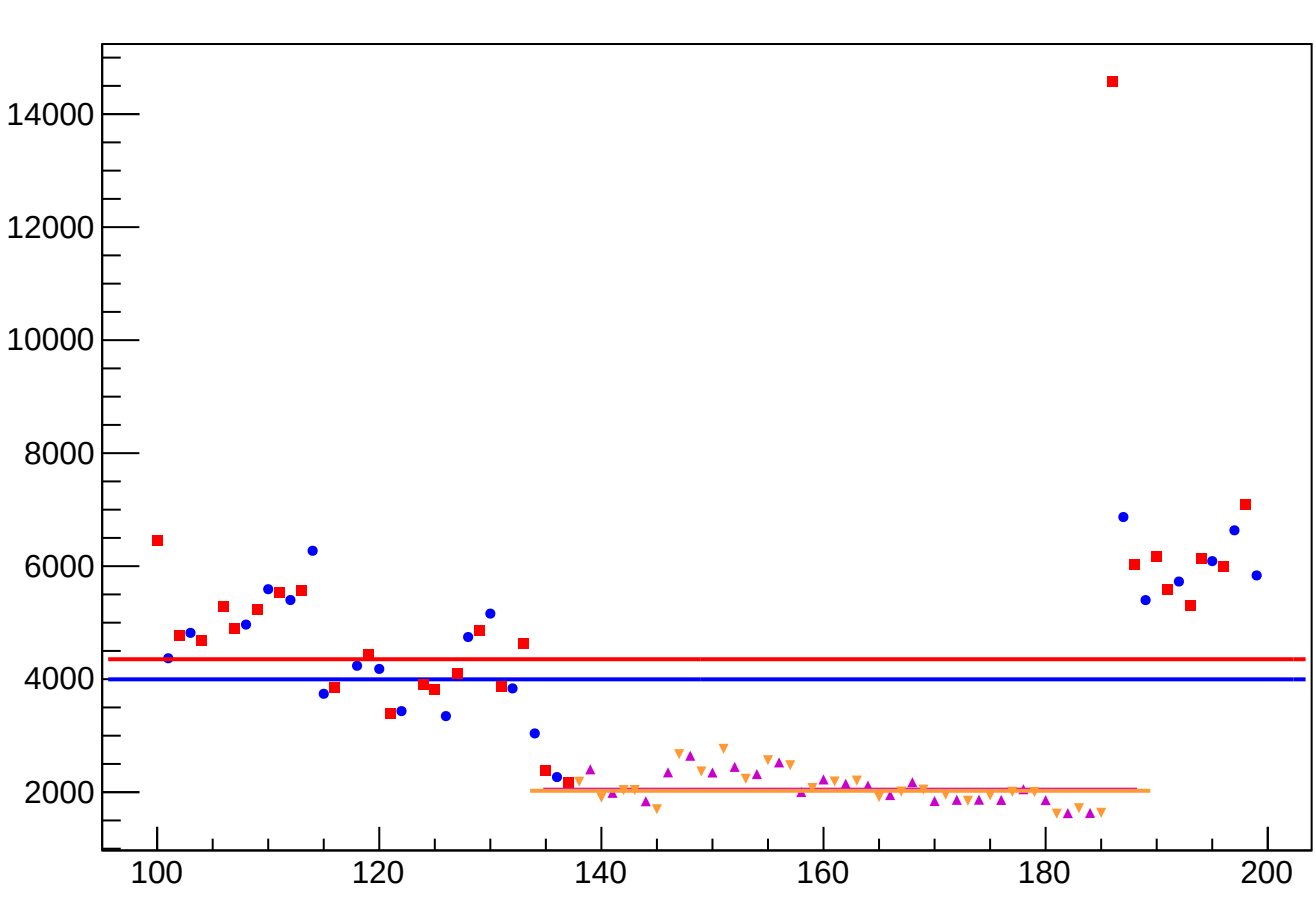
Left: -551.491+/-334.868 χ^2/NDF: 76.7/47

Right: -881.738+/-895.697 χ^2/NDF: 52.5/48

In: -472.403+/-449.873 χ^2/NDF:59.6/44

Out: -705.119+/-437.558 χ^2/NDF:69.6/51

All: -591.990+/-313.664 χ^2/NDF: 129.3/96



Right In: 3997.160+/-0.883 χ^2/NDF: 2426950.9/21

Left Out: 2025.085+/-0.329 χ^2/NDF:700825.4/24

Right Out: 4353.208+/-0.909 χ^2/NDF: 2606883.6/26

Left In: 2044.522+/-0.341 χ^2/NDF:584922.7/22

Left: 2034.456+/-0.237 χ^2/NDF: 1287430.5/47

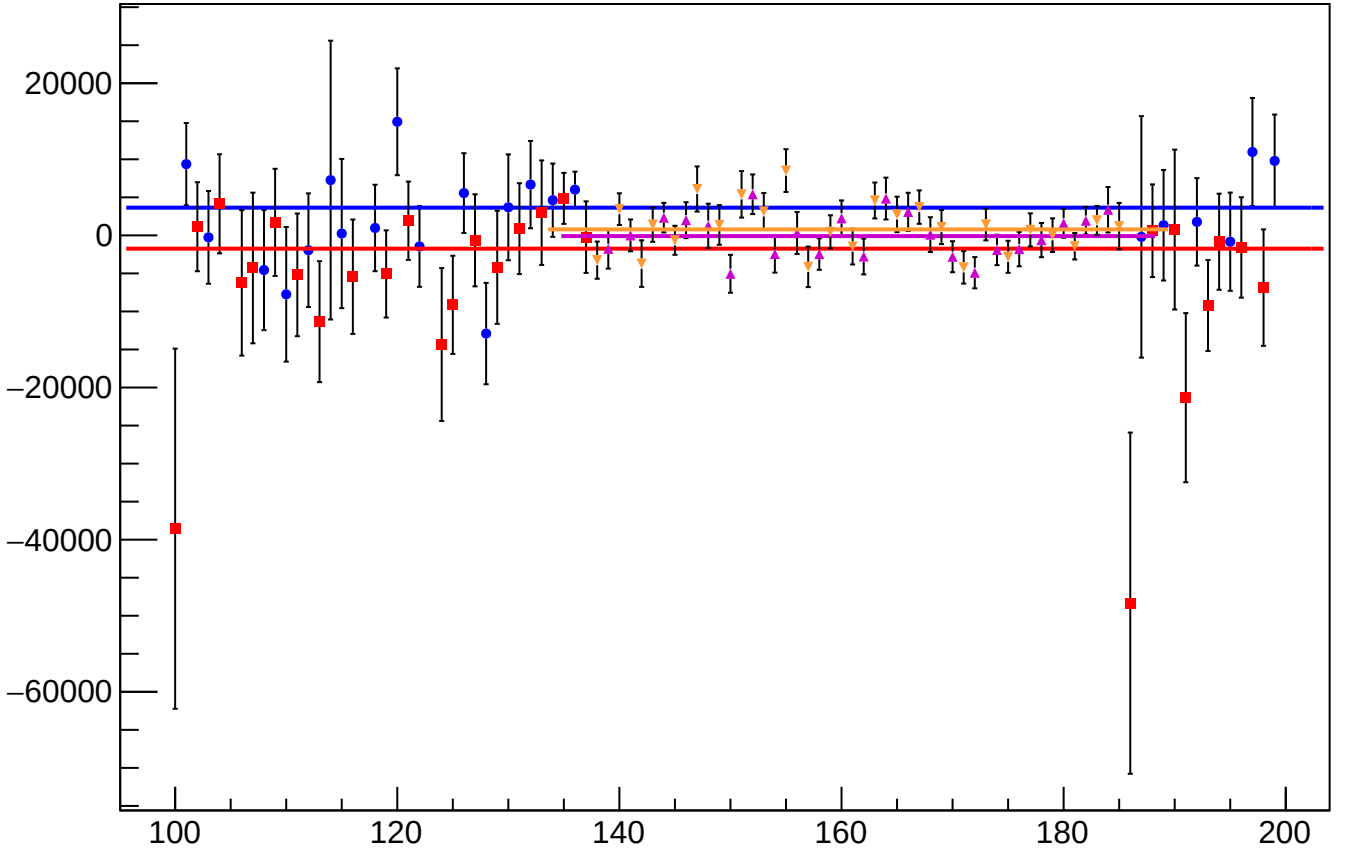
Right: 4169.902+/-0.633 χ^2/NDF: 5112772.0/48

In: 2298.123+/-0.318 χ^2/NDF:7269840.1/44

Out: 2294.637+/-0.309 χ^2/NDF:9104239.4/51

All: 2296.332+/-0.222 χ^2/NDF: 16374141.2/9

asym_sam2_mean vs Slug, Sign Corrected



Right In: 3641.441+/-1226.971 χ^2/NDF: 19.2/21

Left Out: 788.321+/-458.726 χ^2/NDF:41.3/24

Right Out: -1746.007+/-1275.178 χ^2/NDF: 24.1/26

Left In: -96.730+/-474.825 χ^2/NDF:32.8/22

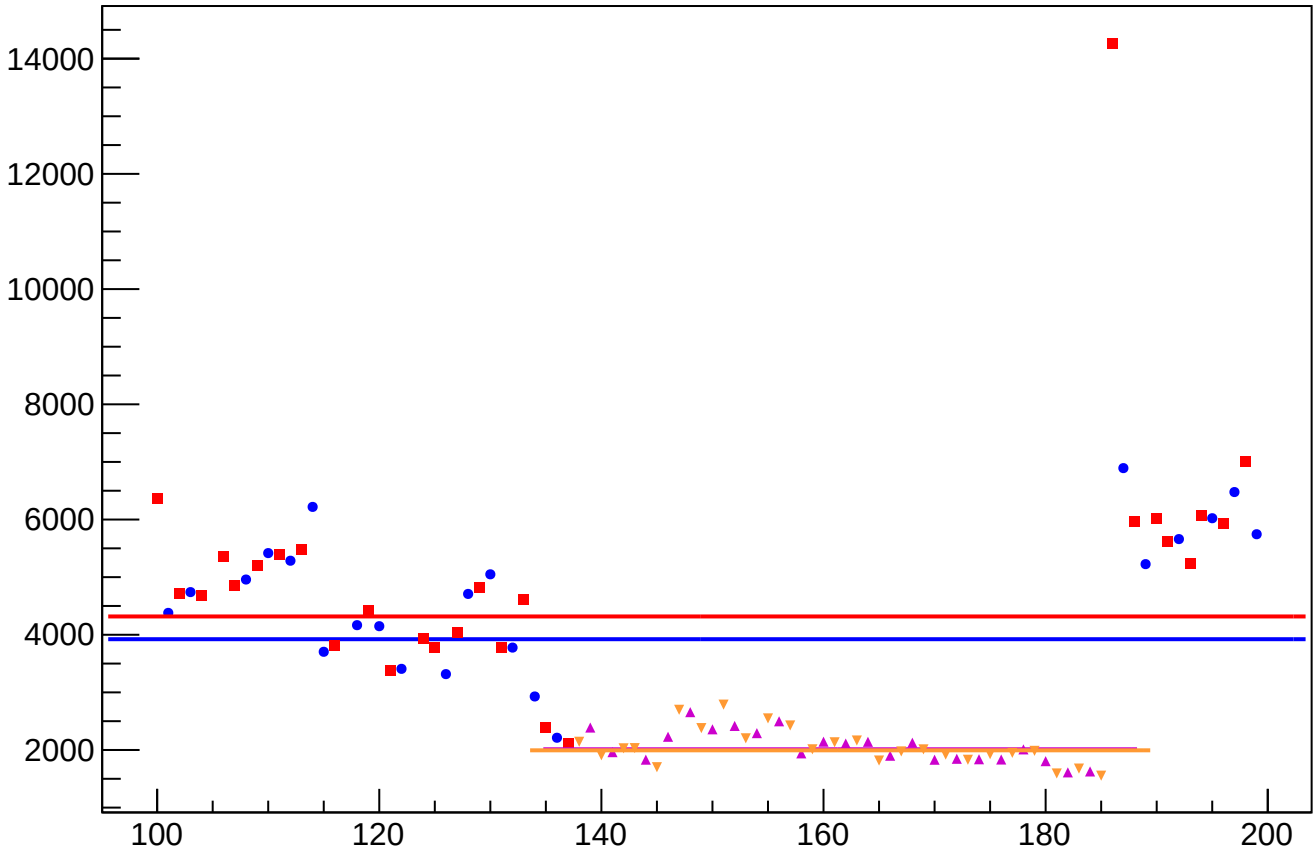
Left: 361.054+/-329.913 χ^2/NDF: 76.0/47

Right: 1051.475+/-884.151 χ^2/NDF: 52.5/48

In: 390.182+/-442.823 χ^2/NDF:60.1/44

Out: 497.935+/-431.646 χ^2/NDF:68.9/51

All: 445.435+/-309.096 χ^2/NDF: 129.0/96



Right In: 3923.007+/-0.868 χ^2/NDF: 2474289.3/21

Left Out: 1994.246+/-0.324 χ^2/NDF:746498.4/24

Right Out: 4317.777+/-0.902 χ^2/NDF: 2581483.6/26

Left In: 2012.692+/-0.336 χ^2/NDF:587260.9/22

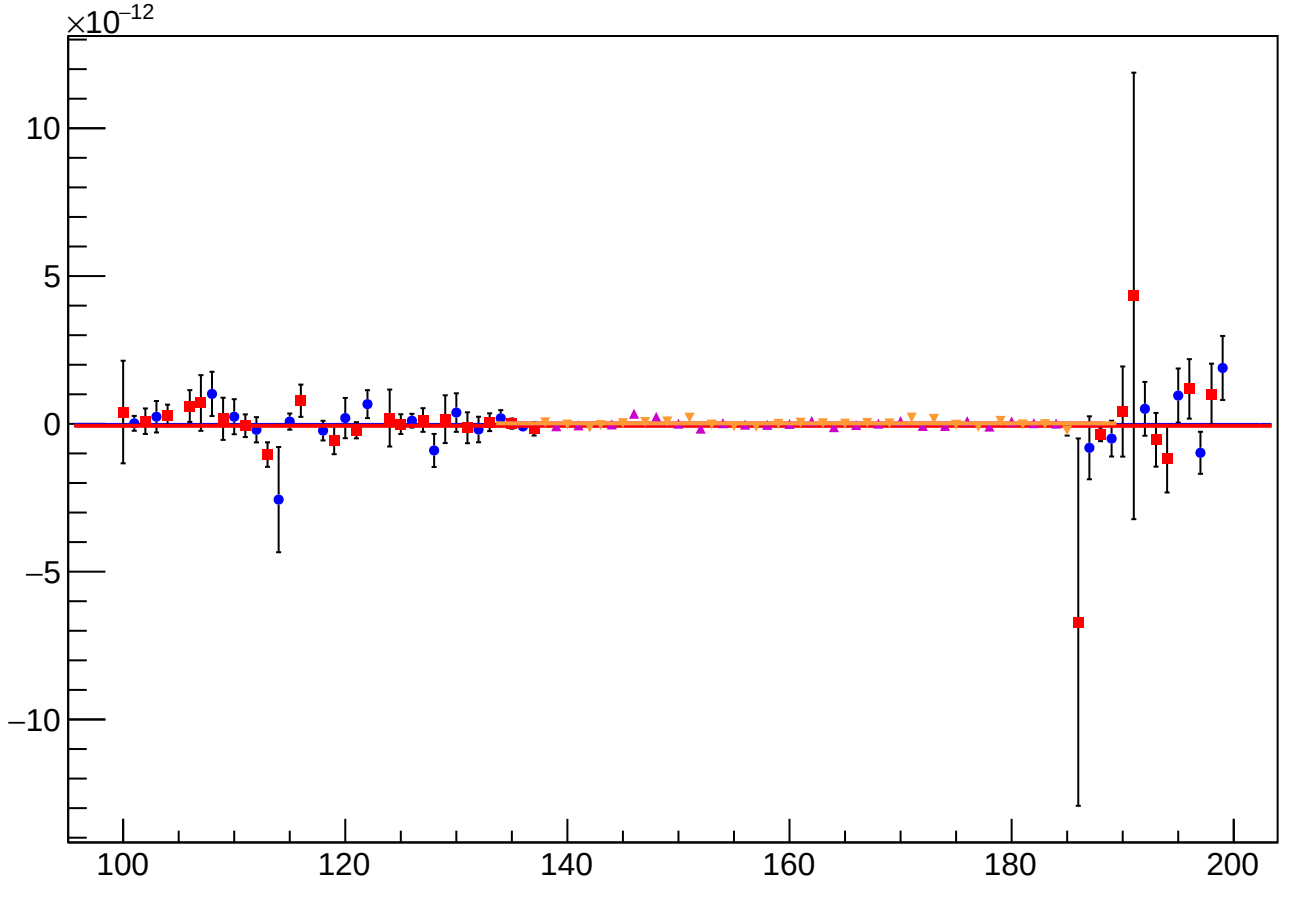
Left: 2003.151+/-0.233 χ^2/NDF: 1335320.5/47

Right: 4112.789+/-0.625 χ^2/NDF: 5155304.8/48

In: 2261.518+/-0.313 χ^2/NDF:7278164.1/44

Out: 2260.479+/-0.305 χ^2/NDF:9207396.8/51

All: 2260.985+/-0.219 χ^2/NDF: 16485566.6/9



Right In: -0.000+/-0.000 χ^2/NDF: 19.5/21

Left Out: 0.000+/-0.000 χ^2/NDF:21.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 20.6/26

Left In: 0.000+/-0.000 χ^2/NDF:30.6/22

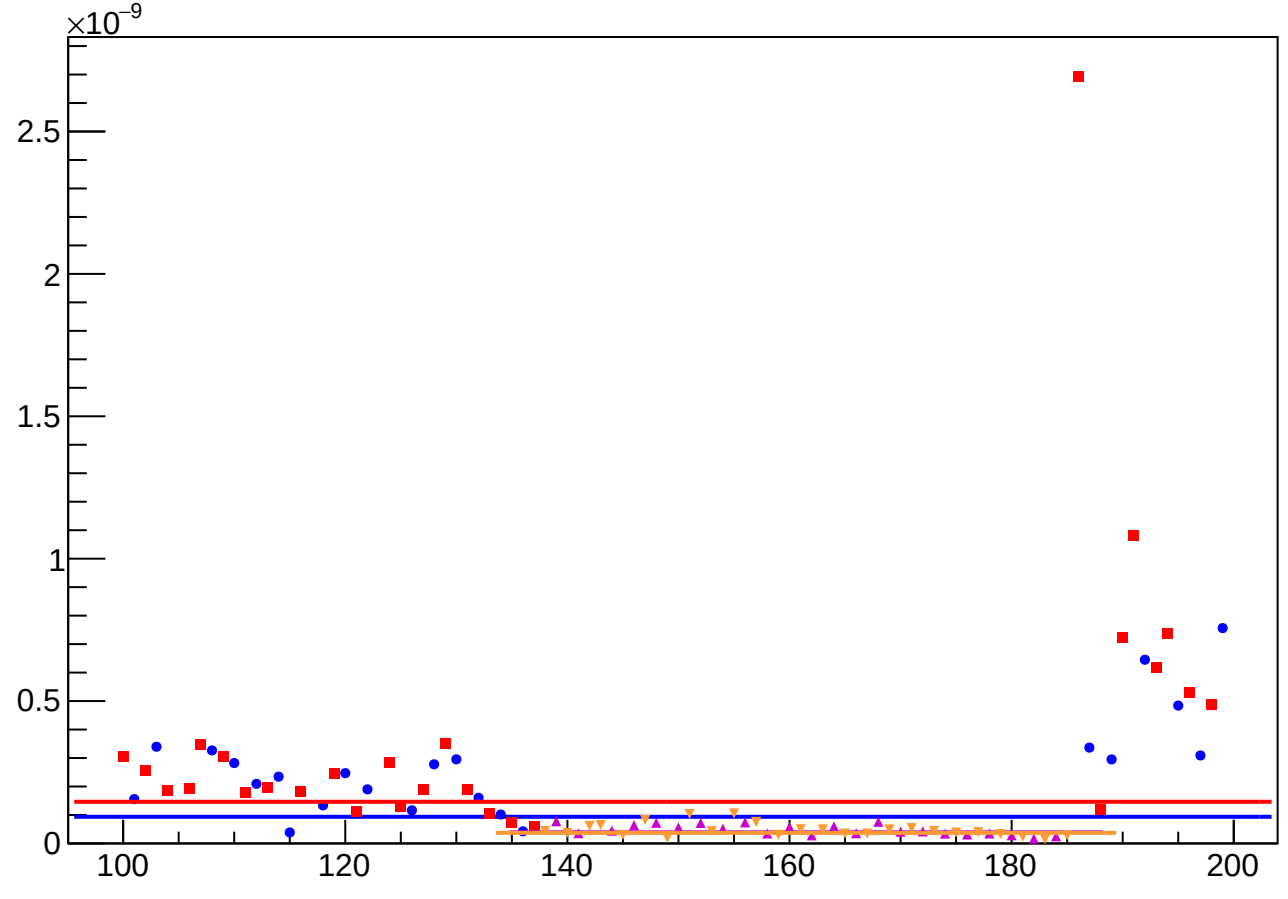
Left: 0.000+/-0.000 χ^2/NDF: 51.9/47

Right: -0.000+/-0.000 χ^2/NDF: 40.2/48

In: 0.000+/-0.000 χ^2/NDF:50.8/44

Out: 0.000+/-0.000 χ^2/NDF:42.9/51

All: 0.000+/-0.000 χ^2/NDF: 93.8/96



Right In: 0.000+/-0.000 χ^2/NDF: 5116445.4/21

Left Out: 0.000+/-0.000 χ^2/NDF:2323330.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3705414.4/26

Left In: 0.000+/-0.000 χ^2/NDF:1921481.4/22

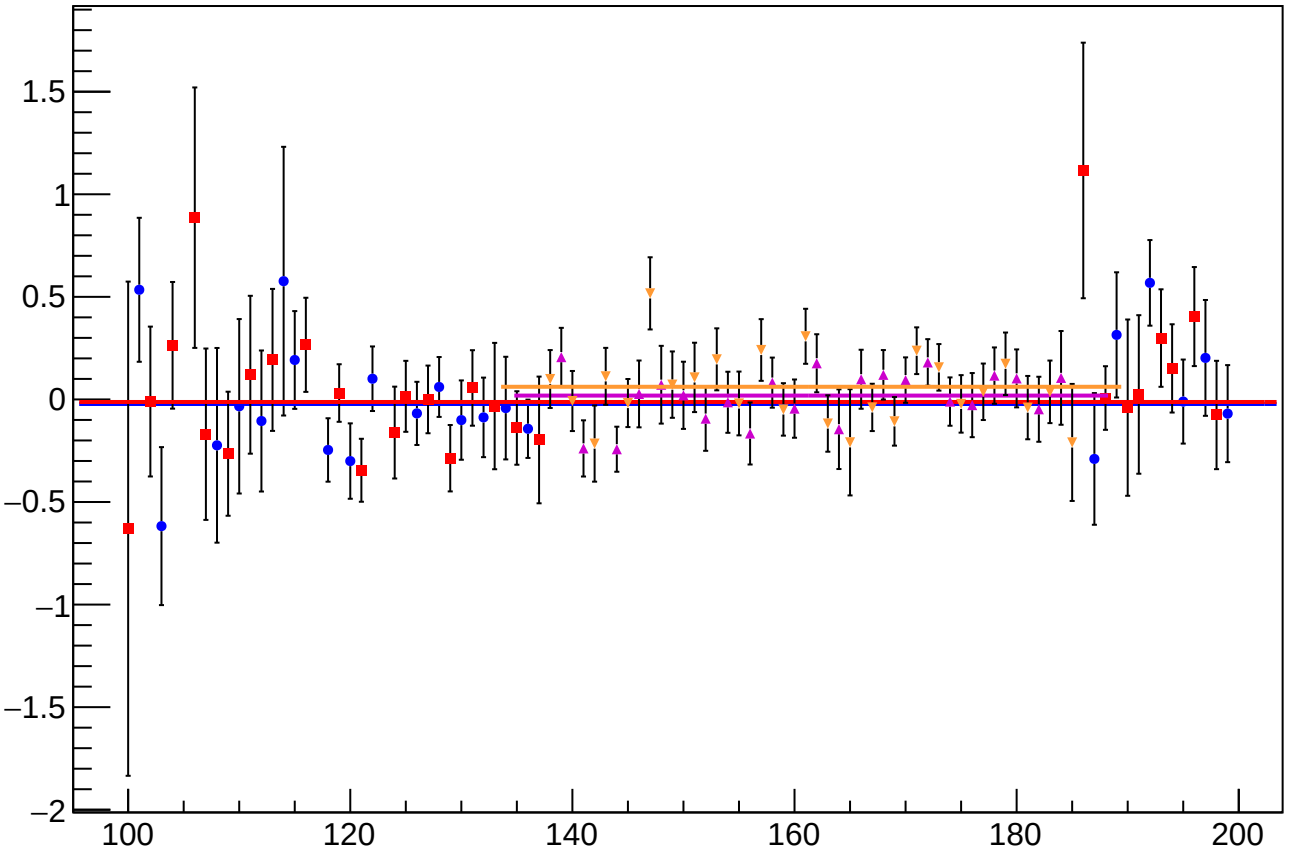
Left: 0.000+/-0.000 χ^2/NDF: 4258987.4/47

Right: 0.000+/-0.000 χ^2/NDF: 9393035.6/48

In: 0.000+/-0.000 χ^2/NDF:8588720.8/44

Out: 0.000+/-0.000 χ^2/NDF:9736767.6/51

All: 0.000+/-0.000 χ^2/NDF: 18337396.3/96



Right In: -0.022+/-0.046 χ^2/NDF: 23.8/21

Left Out: 0.062+/-0.029 χ^2/NDF:27.4/24

Right Out: -0.012+/-0.045 χ^2/NDF: 23.6/26

Left In: 0.019+/-0.029 χ^2/NDF:20.3/22

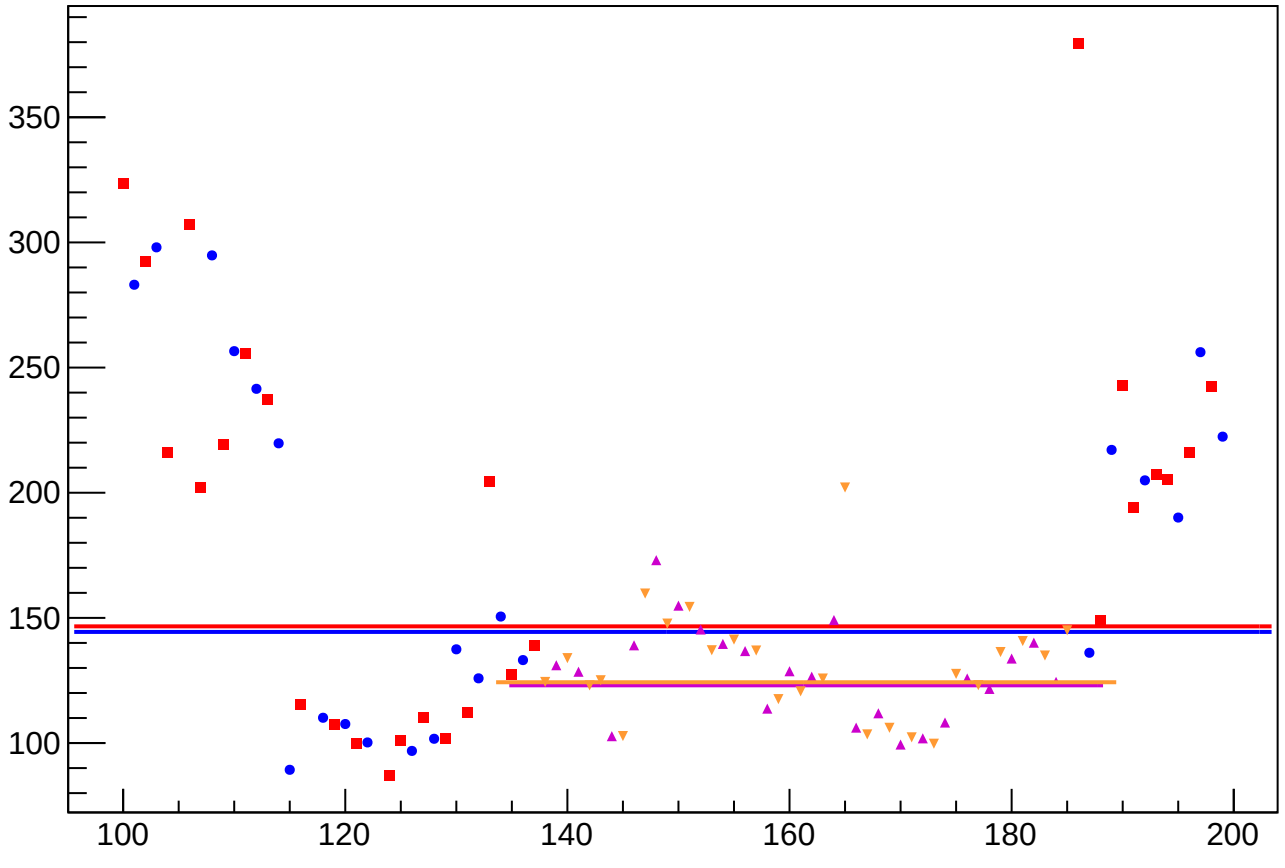
Left: 0.041+/-0.021 χ^2/NDF: 48.8/47

Right: -0.017+/-0.032 χ^2/NDF: 47.5/48

In: 0.007+/-0.025 χ^2/NDF:44.7/44

Out: 0.040+/-0.024 χ^2/NDF:53.0/51

All: 0.024+/-0.017 χ^2/NDF: 98.6/96



Right In: 144.396+/-0.033 χ^2/NDF: 2910288.2/21

Left Out: 124.292+/-0.020 χ^2/NDF:840983.3/24

Right Out: 146.617+/-0.032 χ^2/NDF: 3231389.8/26

Left In: 123.062+/-0.021 χ^2/NDF:718821.1/22

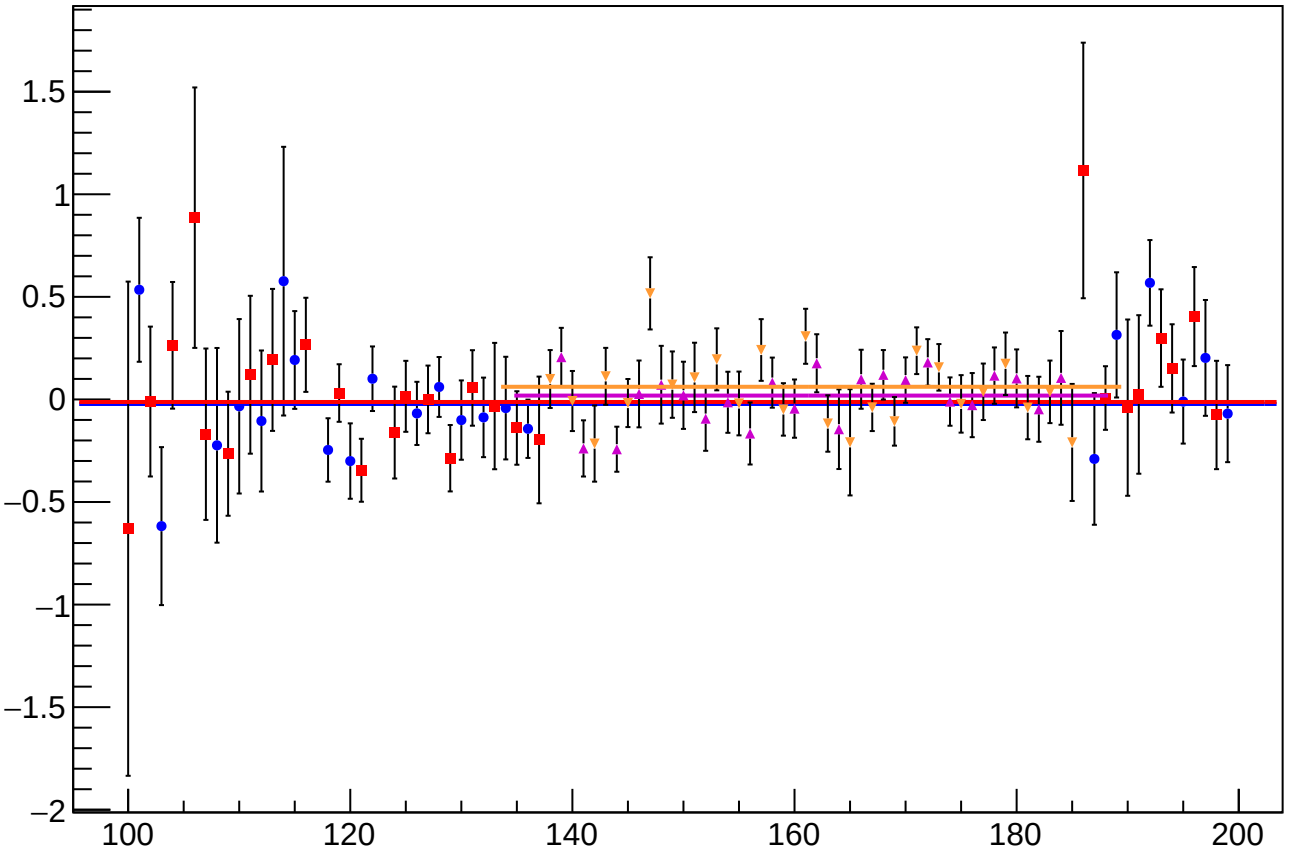
Left: 123.690+/-0.015 χ^2/NDF: 1561601.6/47

Right: 145.543+/-0.023 χ^2/NDF: 6144075.6/48

In: 129.212+/-0.017 χ^2/NDF:3934138.7/44

Out: 130.821+/-0.017 χ^2/NDF:4426751.1/51

All: 130.036+/-0.012 χ^2/NDF: 8365224.8/96



Right In: -0.022+/-0.046 χ^2/NDF: 23.8/21

Left Out: 0.062+/-0.029 χ^2/NDF:27.4/24

Right Out: -0.012+/-0.045 χ^2/NDF: 23.6/26

Left In: 0.019+/-0.029 χ^2/NDF:20.3/22

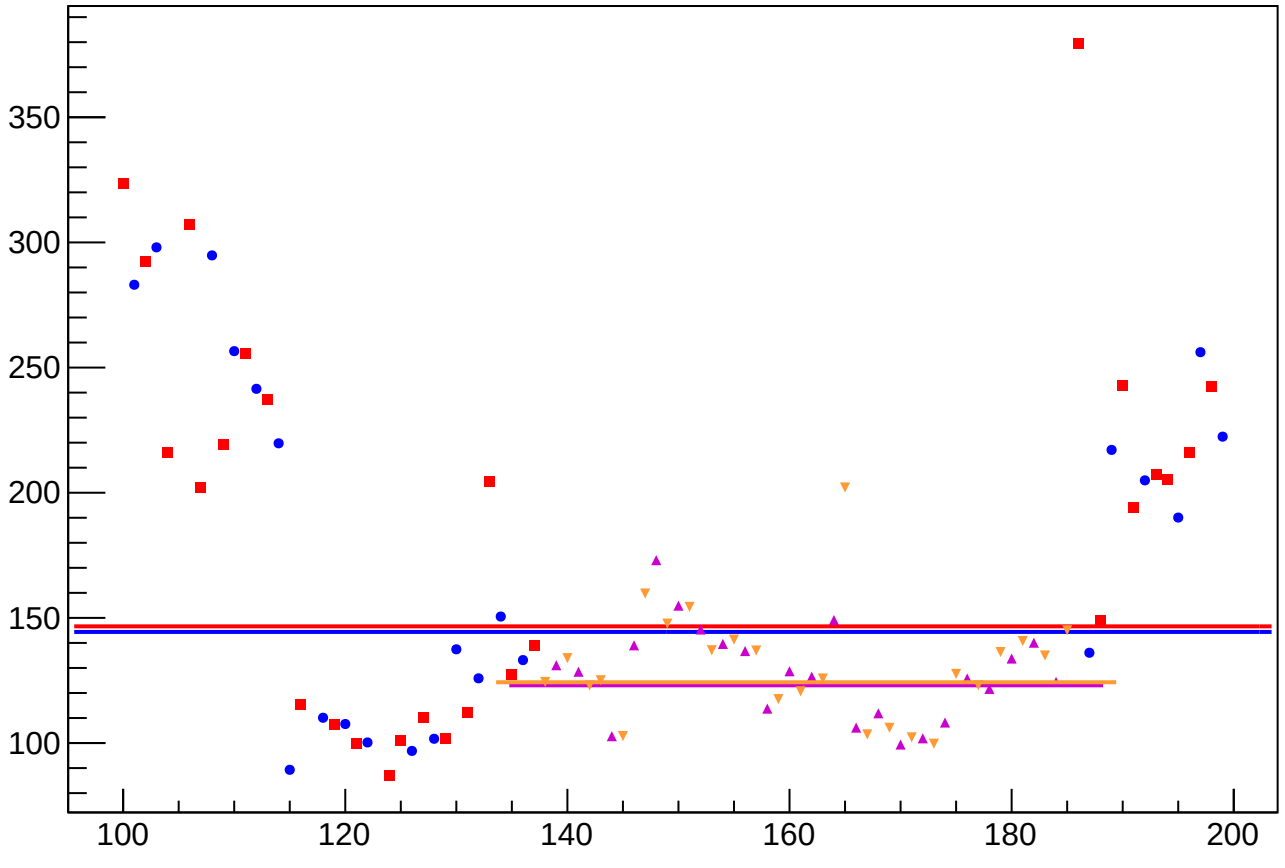
Left: 0.041+/-0.021 χ^2/NDF: 48.8/47

Right: -0.017+/-0.032 χ^2/NDF: 47.5/48

In: 0.007+/-0.025 χ^2/NDF:44.7/44

Out: 0.040+/-0.024 χ^2/NDF:53.0/51

All: 0.024+/-0.017 χ^2/NDF: 98.6/96



Right In: 144.396+/-0.033 χ^2/NDF: 2910288.2/21

Left Out: 124.292+/-0.020 χ^2/NDF:840983.3/24

Right Out: 146.617+/-0.032 χ^2/NDF: 3231389.8/26

Left In: 123.062+/-0.021 χ^2/NDF:718821.1/22

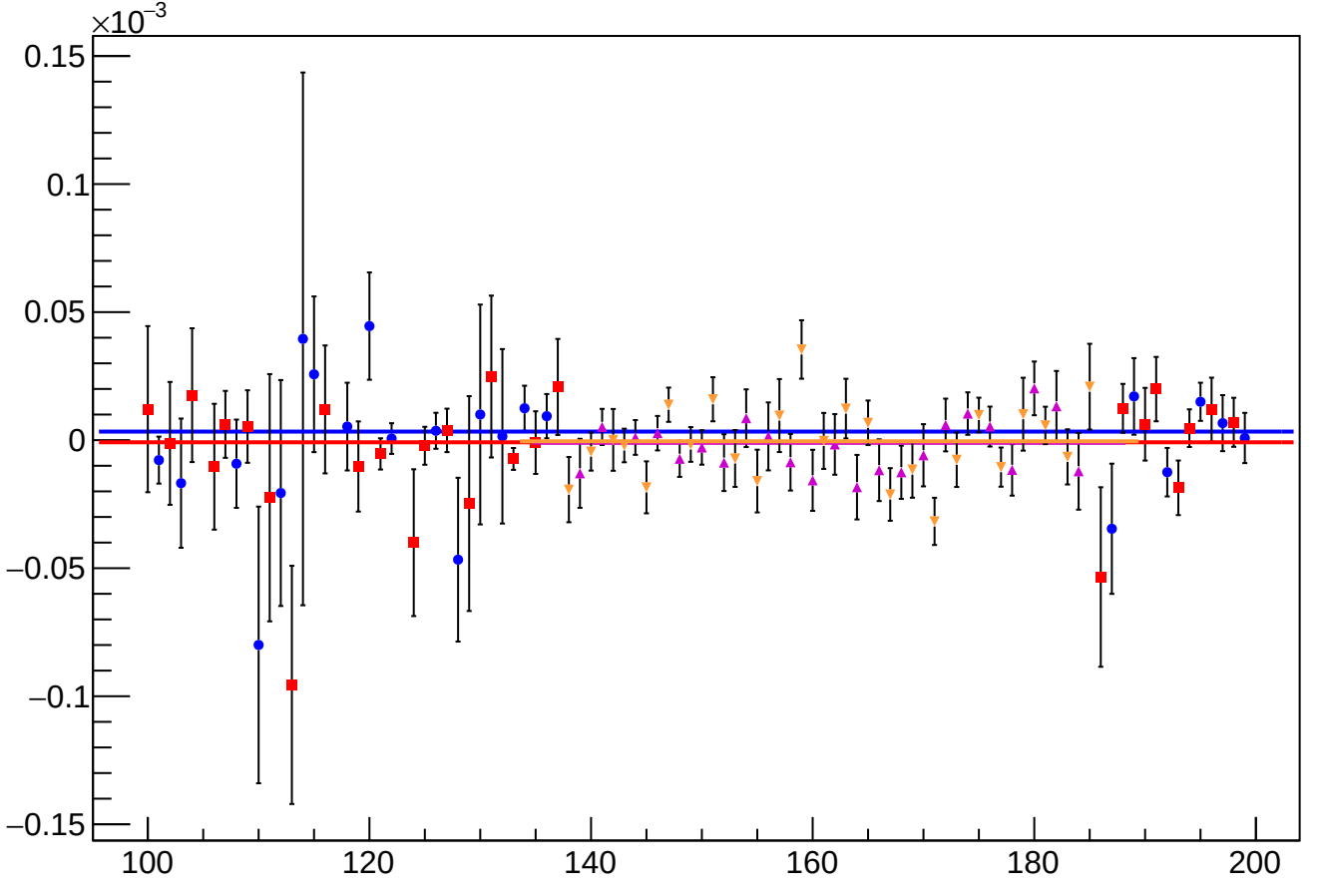
Left: 123.690+/-0.015 χ^2/NDF: 1561601.6/47

Right: 145.543+/-0.023 χ^2/NDF: 6144075.6/48

In: 129.212+/-0.017 χ^2/NDF:3934138.7/44

Out: 130.821+/-0.017 χ^2/NDF:4426751.1/51

All: 130.036+/-0.012 χ^2/NDF: 8365224.8/96



Right In: 0.000+/-0.000 χ^2/NDF: 22.6/21

Left Out: -0.000+/-0.000 χ^2/NDF:52.5/24

Right Out: -0.000+/-0.000 χ^2/NDF: 25.8/26

Left In: -0.000+/-0.000 χ^2/NDF:20.0/22

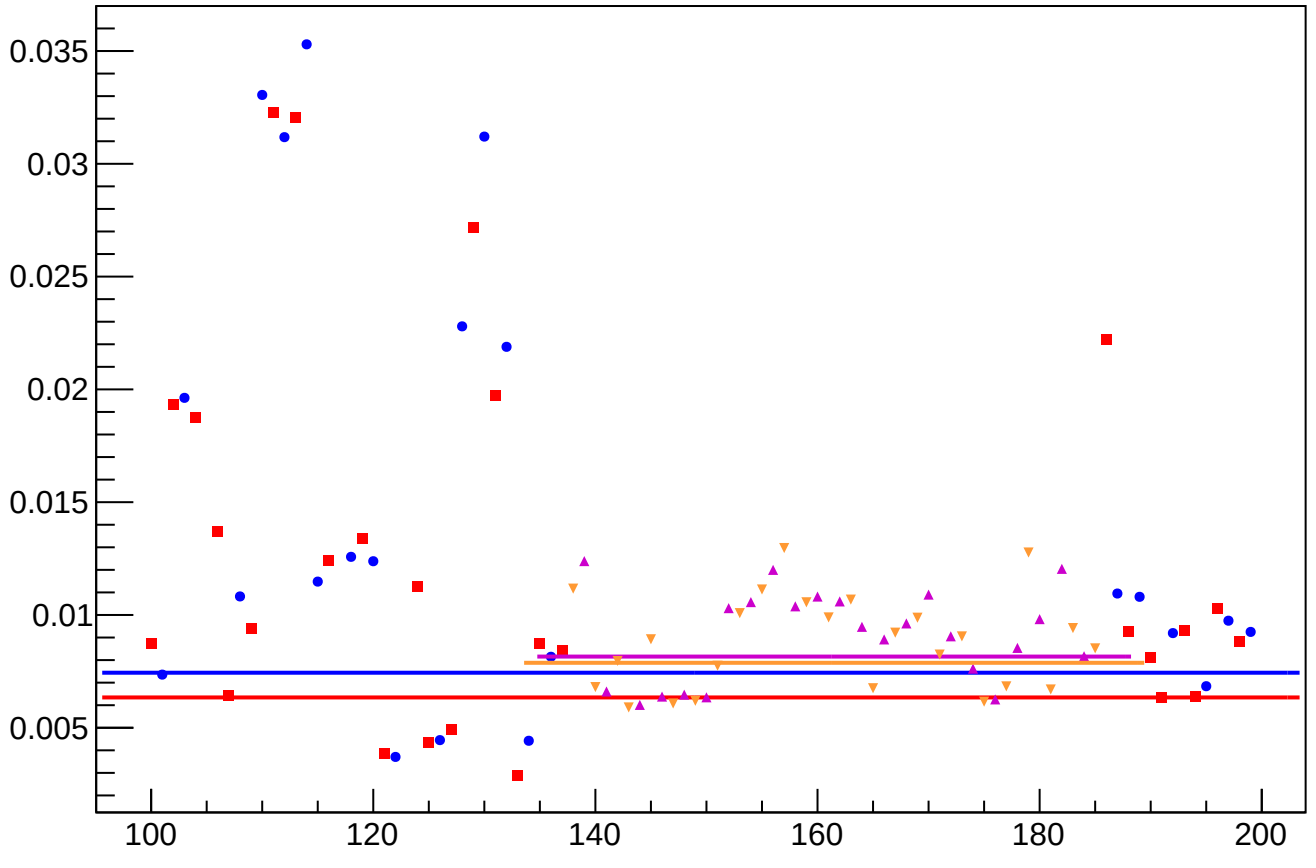
Left: -0.000+/-0.000 χ^2/NDF: 72.5/47

Right: 0.000+/-0.000 χ^2/NDF: 49.9/48

In: 0.000+/-0.000 χ^2/NDF:44.3/44

Out: -0.000+/-0.000 χ^2/NDF:78.3/51

All: -0.000+/-0.000 χ^2/NDF: 123.0/96



Right In: 0.007+/-0.000 χ^2/NDF: 5239706.5/21

Left Out: 0.008+/-0.000 χ^2/NDF:2076596.0/24

Right Out: 0.006+/-0.000 χ^2/NDF: 6935652.3/26

Left In: 0.008+/-0.000 χ^2/NDF:2017677.5/22

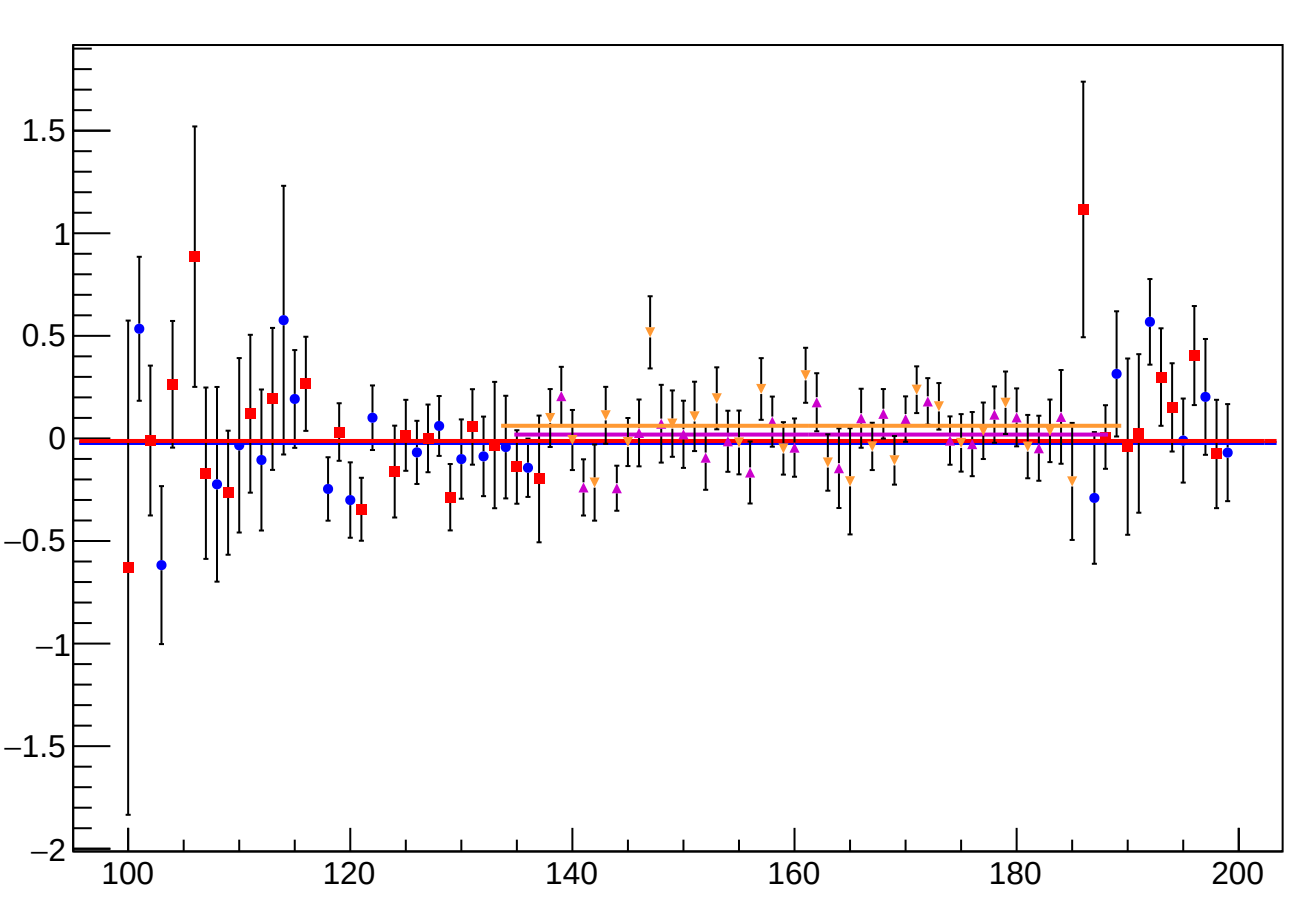
Left: 0.008+/-0.000 χ^2/NDF: 4114921.6/47

Right: 0.007+/-0.000 χ^2/NDF: 12392461.8/48

In: 0.008+/-0.000 χ^2/NDF:7356091.1/44

Out: 0.007+/-0.000 χ^2/NDF:9597825.9/51

All: 0.008+/-0.000 χ^2/NDF: 17150532.1/96



Right In: -0.022+/-0.046 χ^2/NDF: 23.8/21

Left Out: 0.062+/-0.029 χ^2/NDF:27.4/24

Right Out: -0.012+/-0.045 χ^2/NDF: 23.6/26

Left In: 0.019+/-0.029 χ^2/NDF:20.3/22

Left: 0.041+/-0.021 χ^2/NDF: 48.8/47

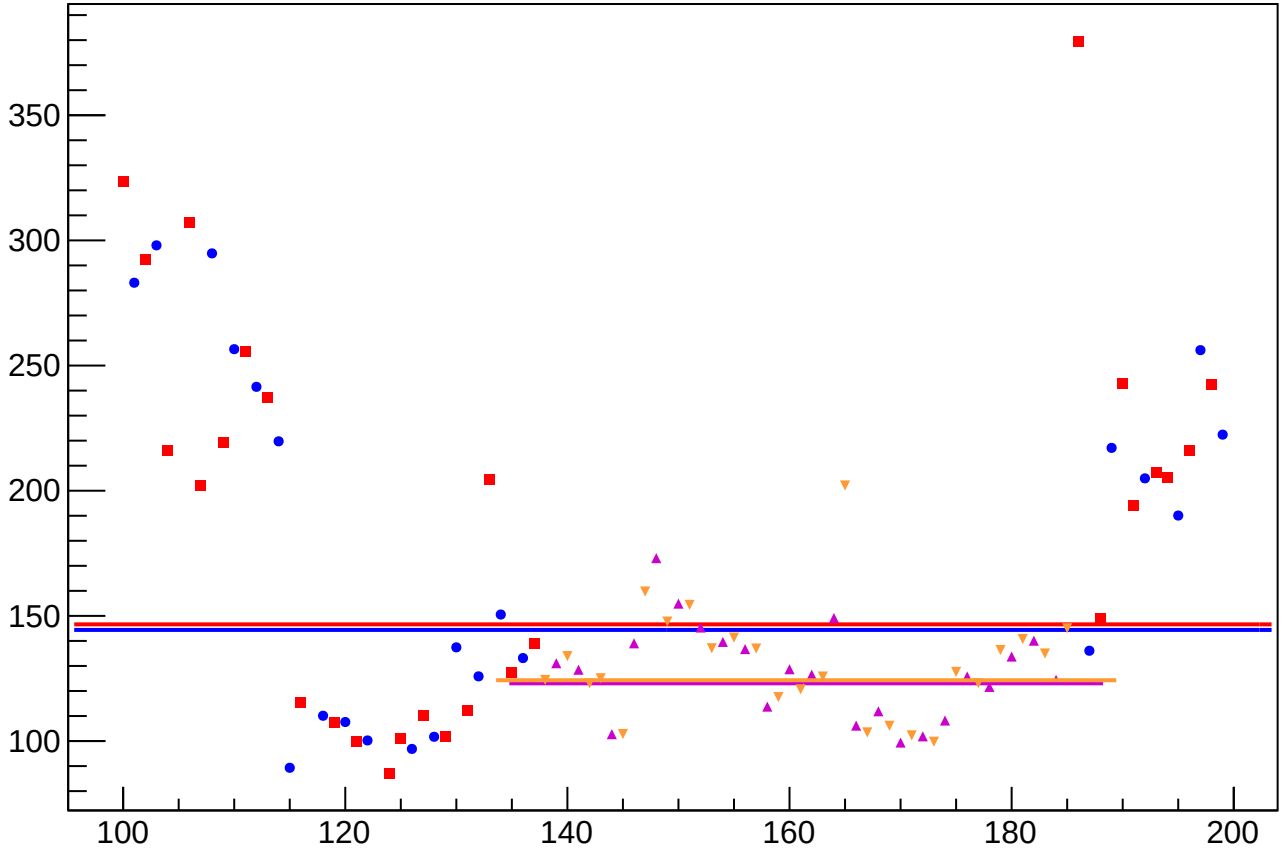
Right: -0.017+/-0.032 χ^2/NDF: 47.5/48

In: 0.007+/-0.025 χ^2/NDF:44.7/44

Out: 0.040+/-0.024 χ^2/NDF:53.0/51

All: 0.024+/-0.017 χ^2/NDF: 98.6/96

asym_sam2_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 144.393+/-0.033 χ^2/NDF: 2910318.6/21

Left Out: 124.292+/-0.020 χ^2/NDF:841035.9/24

Right Out: 146.615+/-0.032 χ^2/NDF: 3231465.0/26

Left In: 123.062+/-0.021 χ^2/NDF:718844.3/22

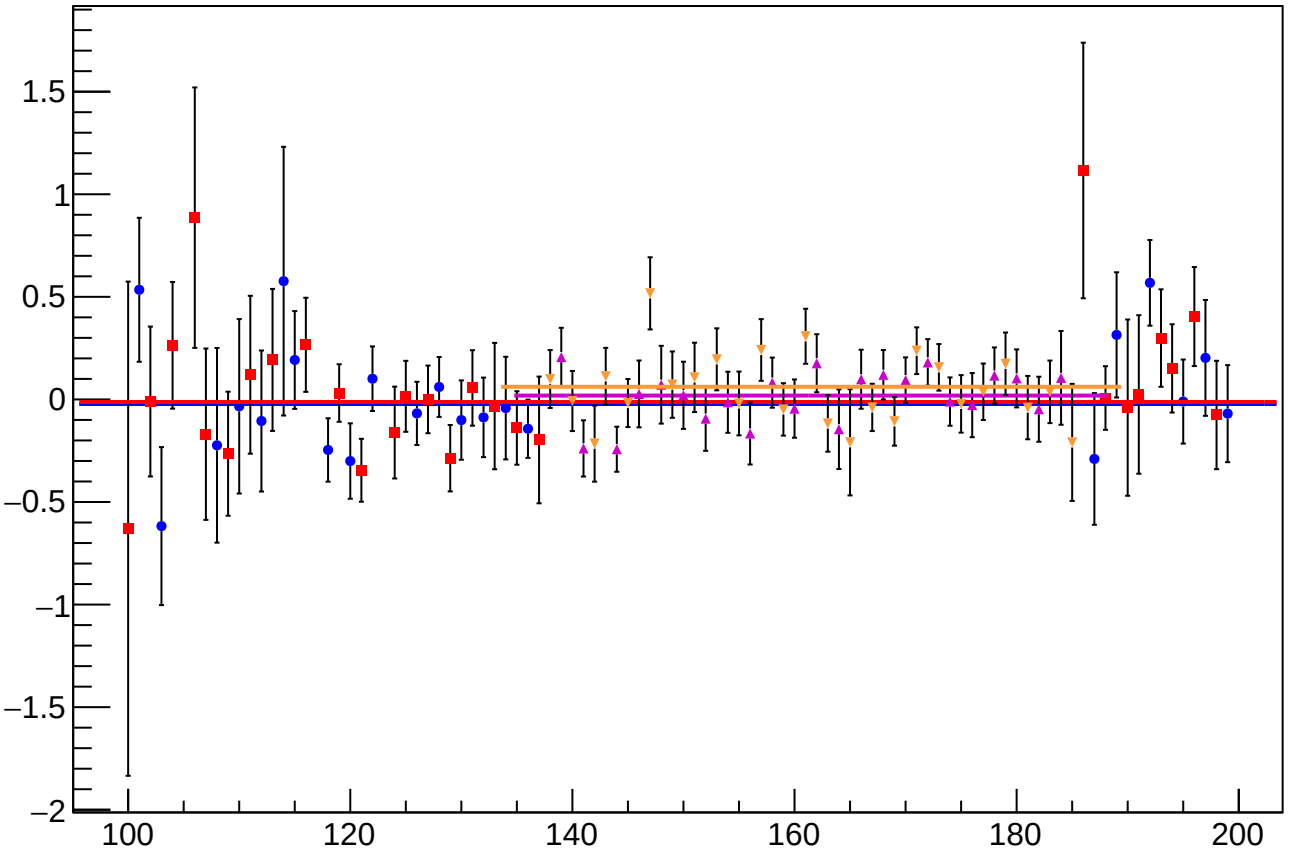
Left: 123.690+/-0.015 χ^2/NDF: 1561677.7/47

Right: 145.540+/-0.023 χ^2/NDF: 6144181.6/48

In: 129.211+/-0.017 χ^2/NDF:3934123.6/44

Out: 130.820+/-0.017 χ^2/NDF:4426802.1/51

All: 130.036+/-0.012 χ^2/NDF: 8365261.3/96



Right In: -0.022+/-0.046 χ^2/NDF: 23.8/21

Left Out: 0.062+/-0.029 χ^2/NDF:27.4/24

Right Out: -0.012+/-0.045 χ^2/NDF: 23.6/26

Left In: 0.019+/-0.029 χ^2/NDF:20.3/22

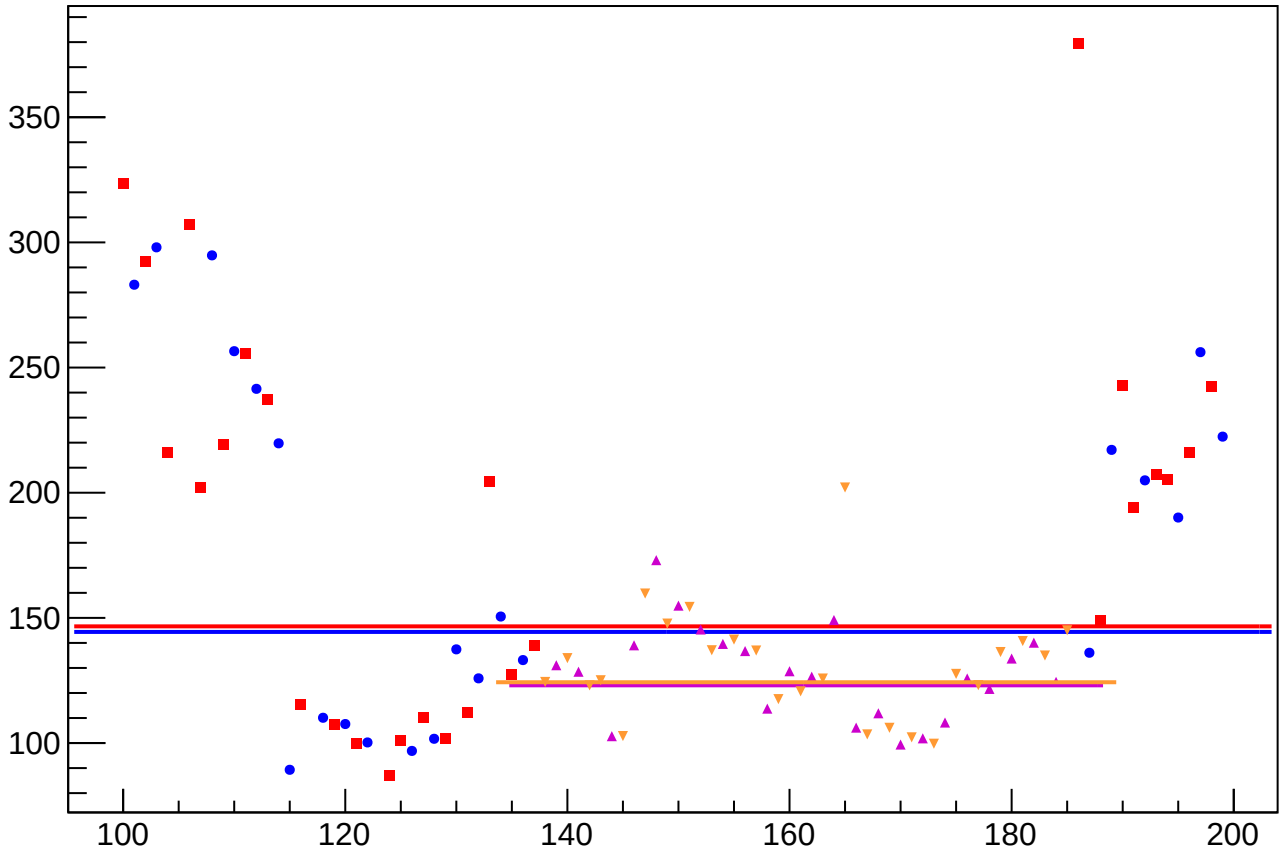
Left: 0.041+/-0.021 χ^2/NDF: 48.8/47

Right: -0.017+/-0.032 χ^2/NDF: 47.5/48

In: 0.007+/-0.025 χ^2/NDF:44.7/44

Out: 0.040+/-0.024 χ^2/NDF:53.0/51

All: 0.024+/-0.017 χ^2/NDF: 98.6/96



Right In: 144.393+/-0.033 χ^2/NDF: 2910318.6/21

Left Out: 124.292+/-0.020 χ^2/NDF:841035.9/24

Right Out: 146.615+/-0.032 χ^2/NDF: 3231465.0/26

Left In: 123.062+/-0.021 χ^2/NDF:718844.3/22

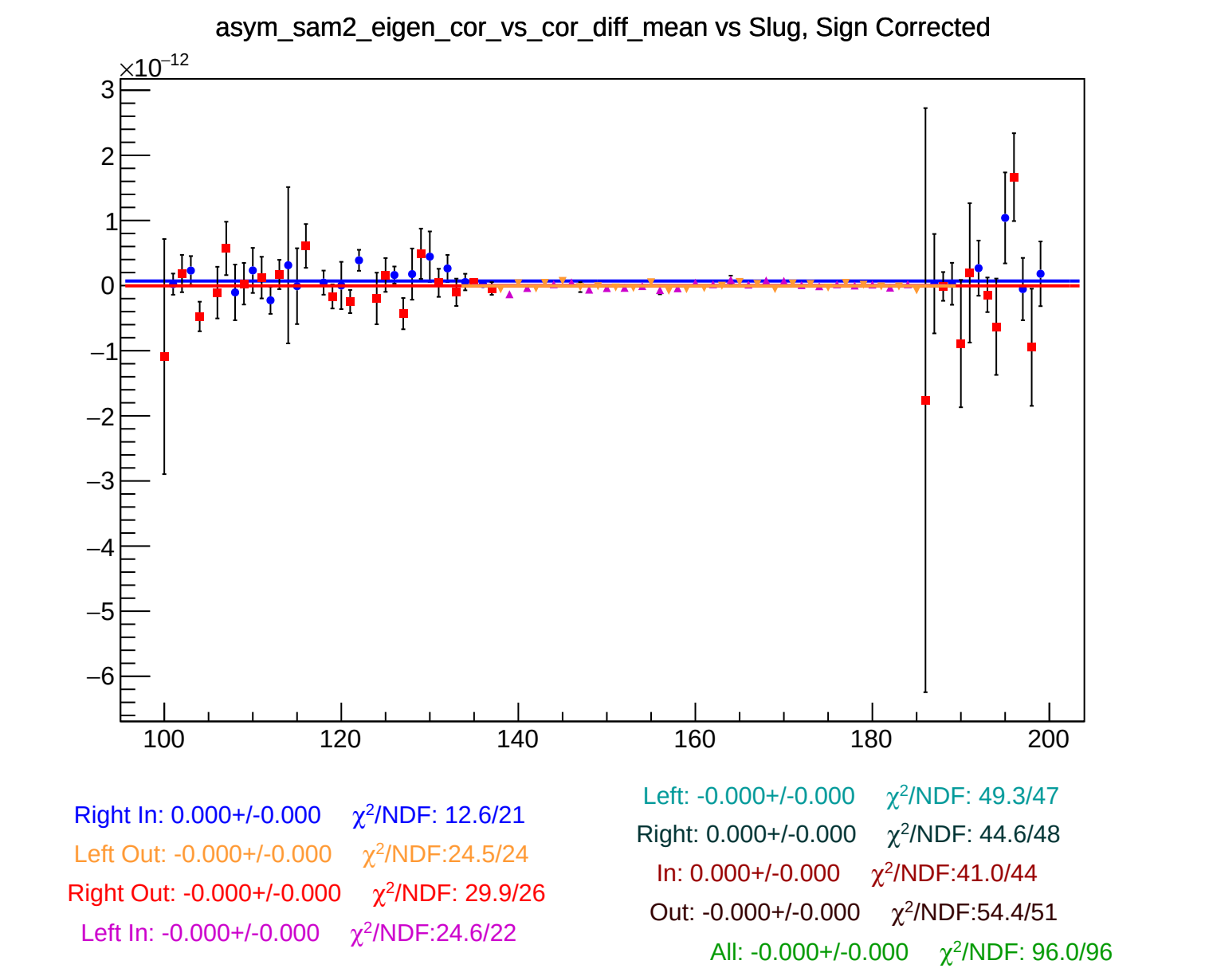
Left: 123.690+/-0.015 χ^2/NDF: 1561677.7/47

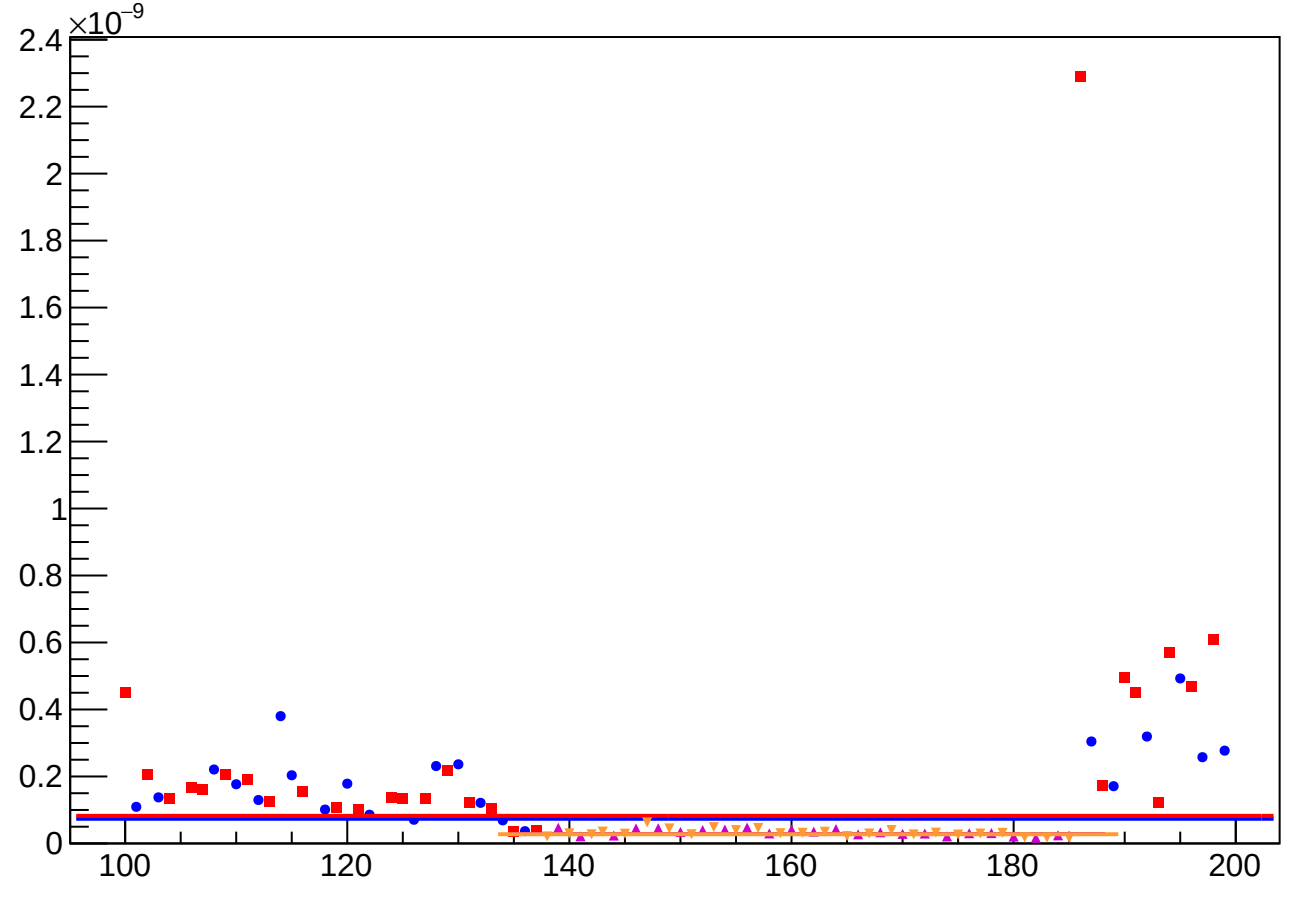
Right: 145.540+/-0.023 χ^2/NDF: 6144181.6/48

In: 129.211+/-0.017 χ^2/NDF:3934123.6/44

Out: 130.820+/-0.017 χ^2/NDF:4426802.1/51

All: 130.036+/-0.012 χ^2/NDF: 8365261.3/96


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: 12.6/21
Left Out: -0.000+/-0.000 χ²/NDF:24.5/24
Right Out: -0.000+/-0.000 χ²/NDF: 29.9/26
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: 44.6/48
In: 0.000+/-0.000 χ²/NDF:41.0/44
Out: -0.000+/-0.000 χ²/NDF:54.4/51
All: -0.000+/-0.000 χ²/NDF: 96.0/96



Right In: 0.000+/-0.000 χ^2/NDF: 5637316.8/21

Left Out: 0.000+/-0.000 χ^2/NDF:2403081.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7417665.3/26

Left In: 0.000+/-0.000 χ^2/NDF:2191521.5/22

Left: 0.000+/-0.000 χ^2/NDF: 4602499.0/47

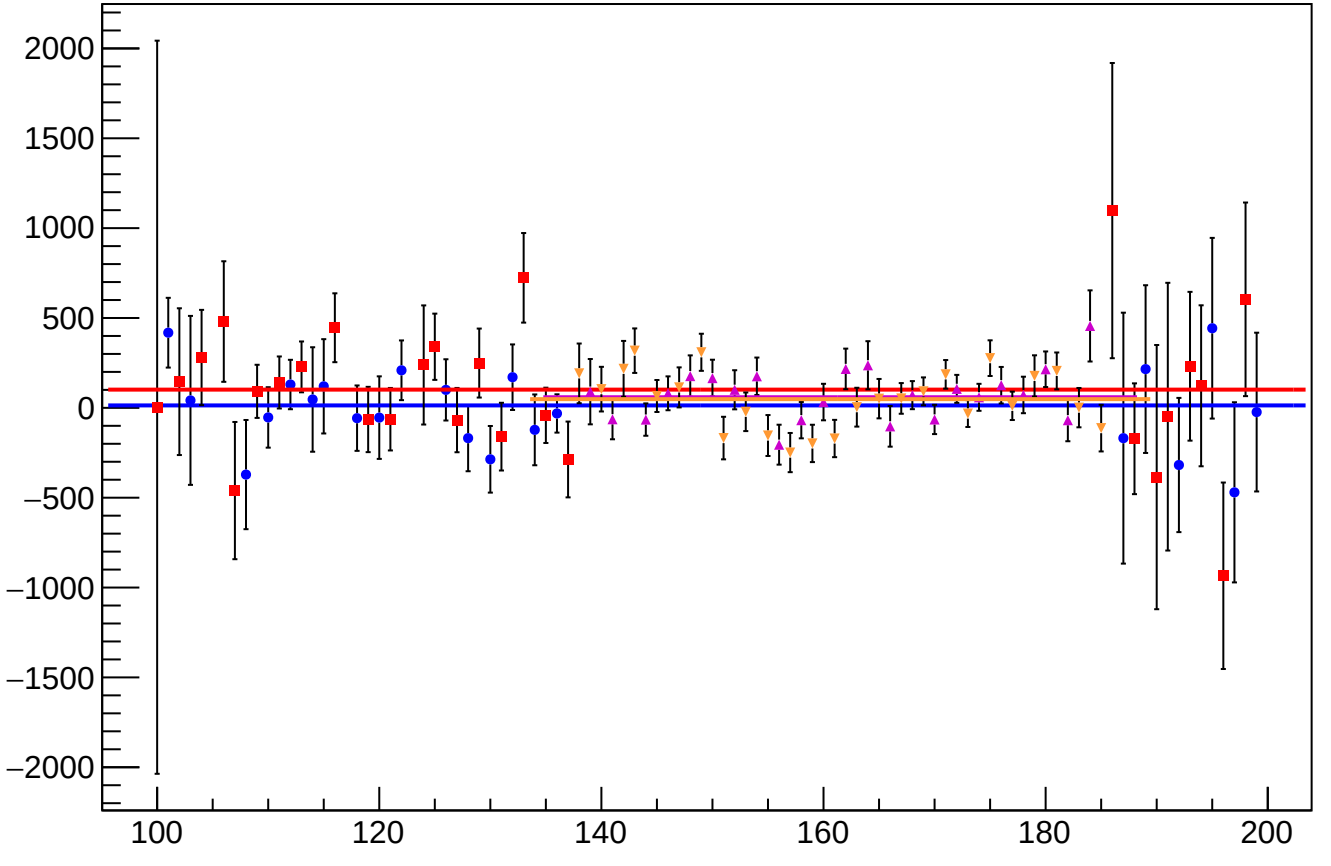
Right: 0.000+/-0.000 χ^2/NDF: 13110352.0/48

In: 0.000+/-0.000 χ^2/NDF:10947115.1/44

Out: 0.000+/-0.000 χ^2/NDF:13789486.9/51

All: 0.000+/-0.000 χ^2/NDF: 24747505.1/96

reg_asym_sam3_mean vs Slug, Sign Corrected



Right In: 13.524+/-44.473 χ^2/NDF: 16.6/21

Left Out: 48.392+/-20.423 χ^2/NDF:53.6/24

Right Out: 101.402+/-44.287 χ^2/NDF: 33.2/26

Left In: 59.014+/-21.156 χ^2/NDF:30.6/22

Left: 53.516+/-14.694 χ^2/NDF: 84.3/47

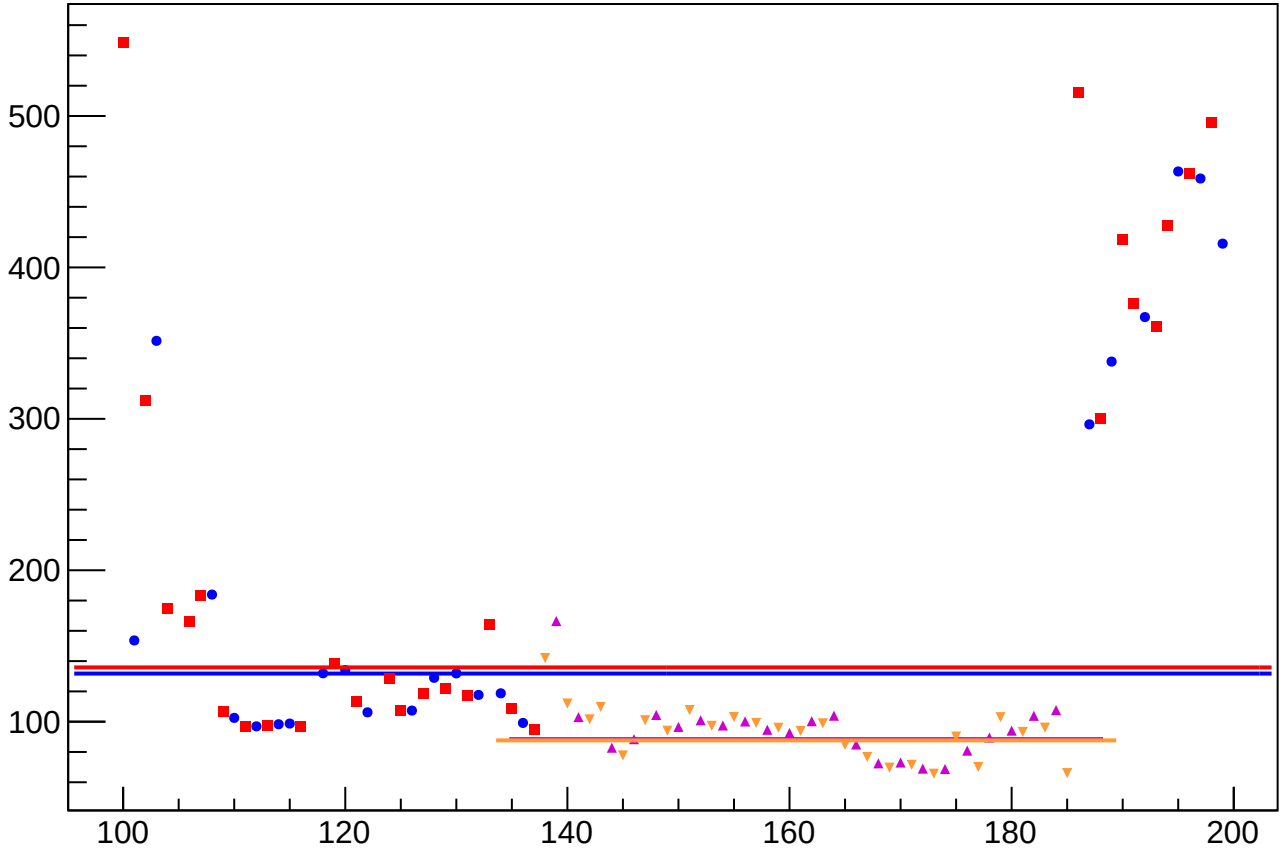
Right: 57.647+/-31.381 χ^2/NDF: 51.7/48

In: 50.619+/-19.105 χ^2/NDF:48.0/44

Out: 57.688+/-18.546 χ^2/NDF:87.9/51

All: 54.259+/-13.307 χ^2/NDF: 136.1/96

reg_asym_sam3_rms vs Slug, Sign Corrected



Right In: 131.769+/-0.031 χ^2/NDF: 4908772.1/21

Left Out: 87.656+/-0.014 χ^2/NDF:1213284.3/24

Right Out: 135.842+/-0.031 χ^2/NDF: 5915435.1/26

Left In: 88.482+/-0.015 χ^2/NDF:1075689.1/22

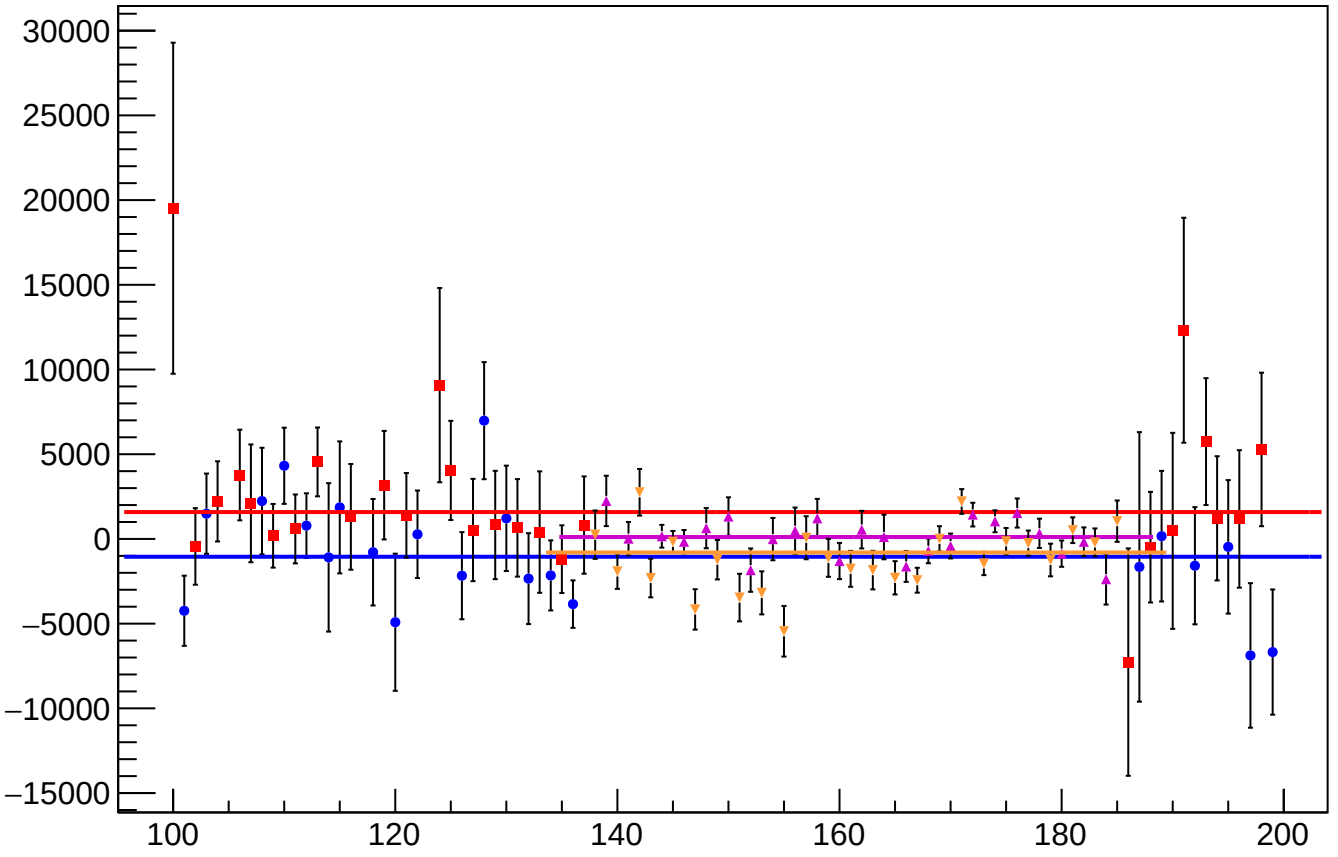
Left: 88.055+/-0.010 χ^2/NDF: 2290553.6/47

Right: 133.814+/-0.022 χ^2/NDF: 10832629.6/48

In: 96.470+/-0.014 χ^2/NDF:7529541.0/44

Out: 96.106+/-0.013 χ^2/NDF:9081160.0/51

All: 96.283+/-0.009 χ^2/NDF: 16611075.6/96



Right In: -1051.991+/-577.869 χ^2/NDF: 27.9/21

Left Out: -801.506+/-187.755 χ^2/NDF:71.9/24

Right Out: 1585.585+/-569.417 χ^2/NDF: 19.6/26

Left In: 112.483+/-190.269 χ^2/NDF:27.1/22

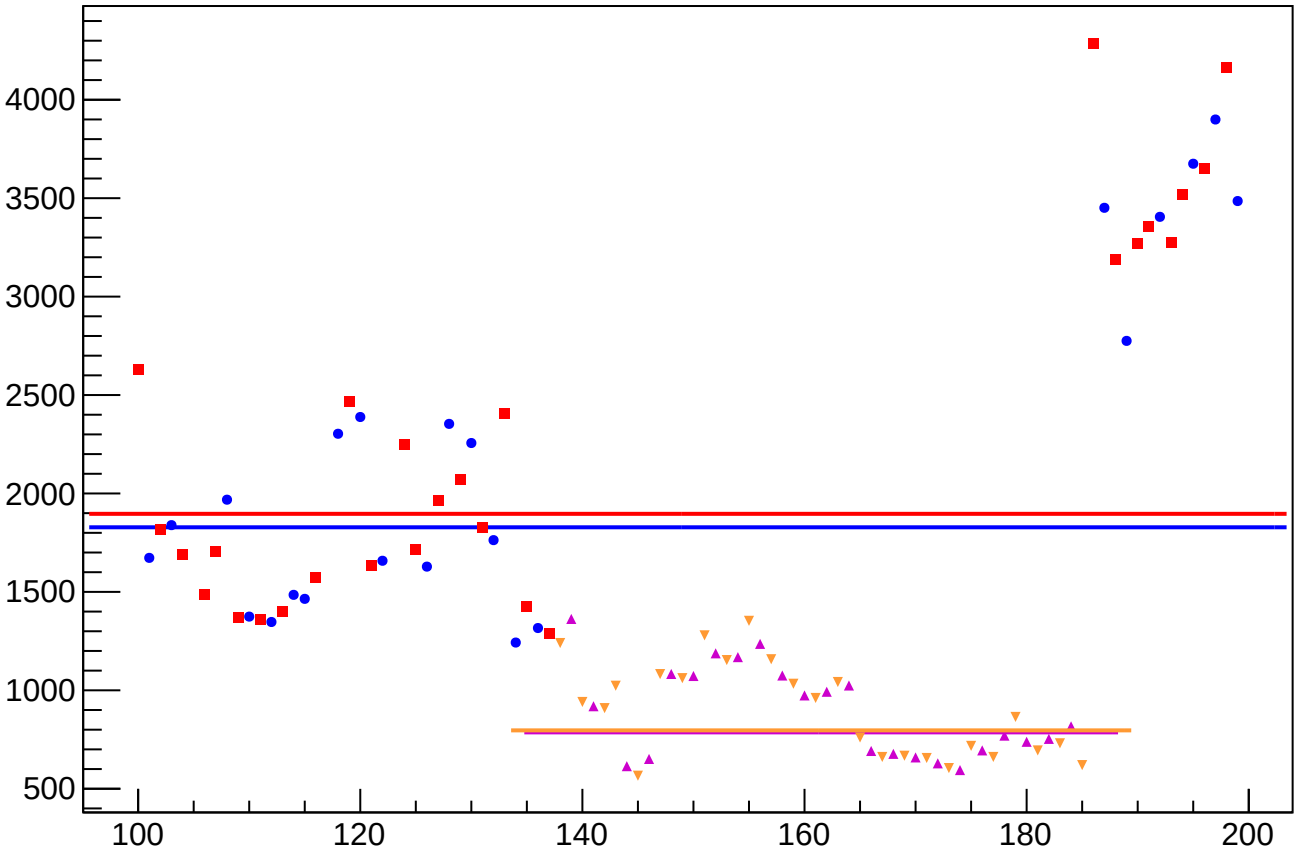
Left: -350.590+/-133.643 χ^2/NDF: 110.6/47

Right: 286.228+/-405.594 χ^2/NDF: 58.2/48

In: -1.412+/-180.725 χ^2/NDF:58.7/44

Out: -567.423+/-178.312 χ^2/NDF:107.4/51

All: -288.222+/-126.930 χ^2/NDF: 171.0/96



Right In: 1828.144+/-0.409 χ^2/NDF: 2803768.2/21

Left Out: 796.524+/-0.133 χ^2/NDF:2417872.0/24

Right Out: 1896.537+/-0.403 χ^2/NDF: 3185735.8/26

Left In: 786.336+/-0.135 χ^2/NDF:2156583.9/22

Left: 791.497+/-0.094 χ^2/NDF: 4577361.0/47

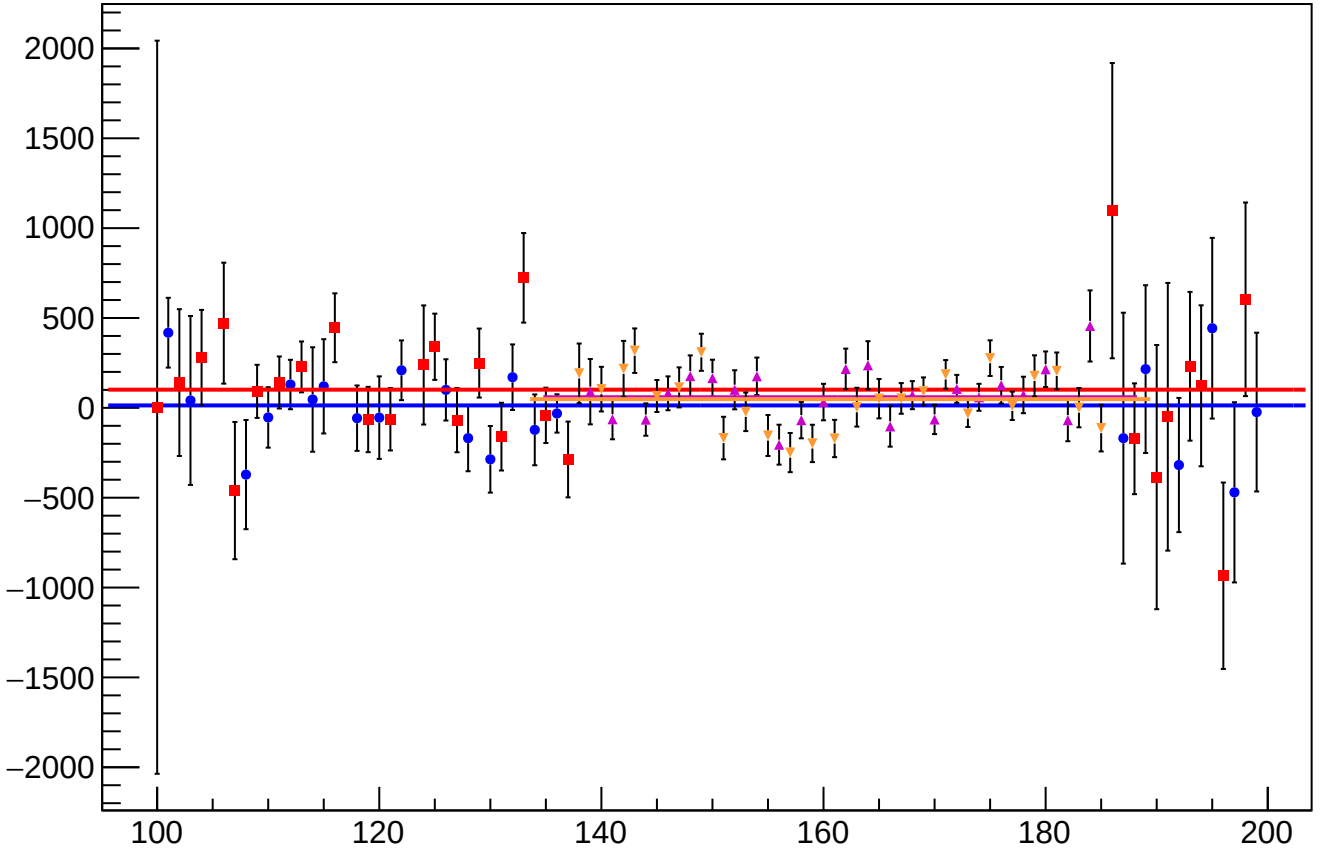
Right: 1862.844+/-0.287 χ^2/NDF: 6003717.7/48

In: 888.234+/-0.128 χ^2/NDF:10825046.1/44

Out: 904.393+/-0.126 χ^2/NDF:12335577.2/51

All: 896.422+/-0.090 χ^2/NDF: 23168725.5/96

cor_asym_sam3_mean vs Slug, Sign Corrected



Right In: 13.511+/-44.473 χ^2/NDF: 16.6/21

Left Out: 48.399+/-20.423 χ^2/NDF:53.6/24

Right Out: 101.133+/-44.290 χ^2/NDF: 33.1/26

Left In: 59.016+/-21.156 χ^2/NDF:30.6/22

Left: 53.521+/-14.694 χ^2/NDF: 84.3/47

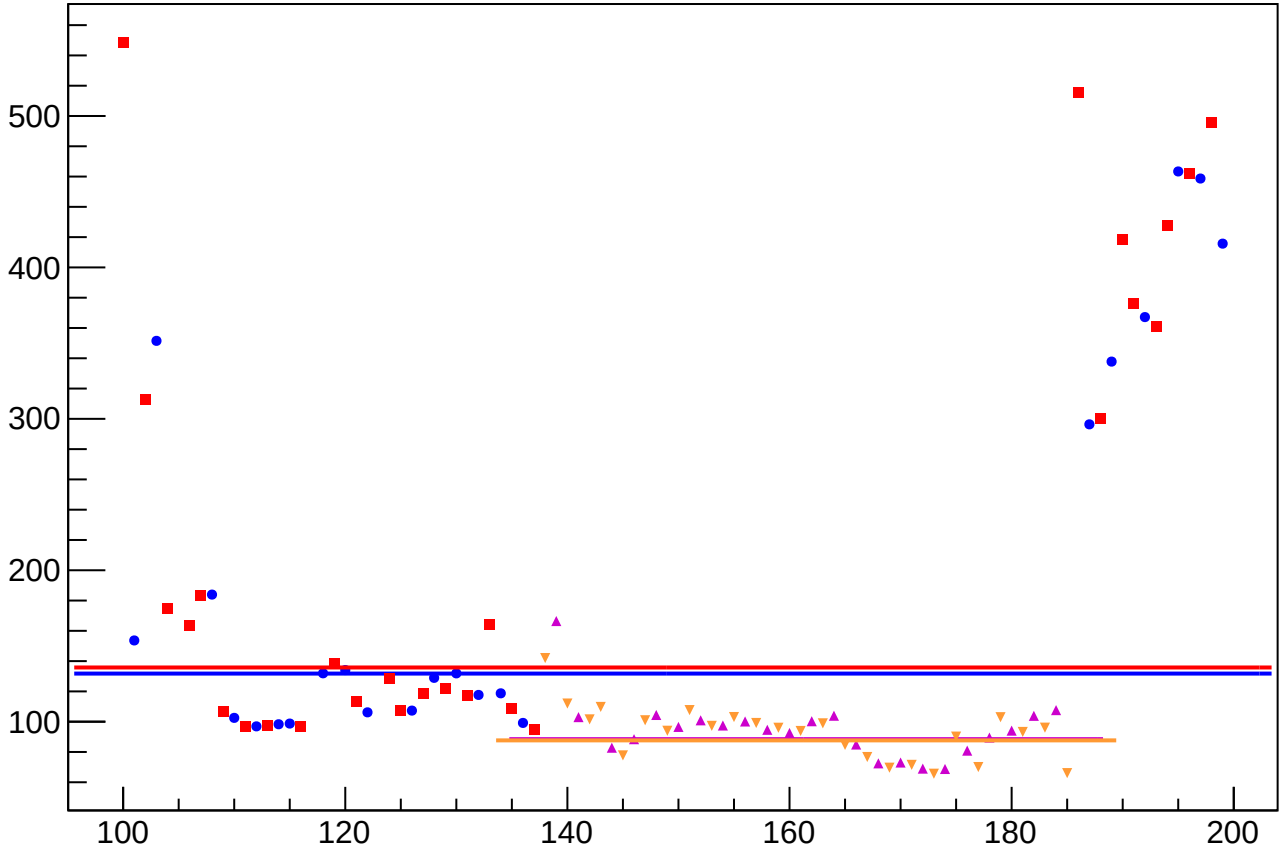
Right: 57.503+/-31.382 χ^2/NDF: 51.7/48

In: 50.619+/-19.105 χ^2/NDF:48.0/44

Out: 57.646+/-18.546 χ^2/NDF:87.9/51

All: 54.237+/-13.307 χ^2/NDF: 136.0/96

cor_asym_sam3_rms vs Slug, Sign Corrected



Right In: 131.769+/-0.031 χ^2/NDF: 4908774.3/21

Left Out: 87.656+/-0.014 χ^2/NDF:1213284.3/24

Right Out: 135.796+/-0.031 χ^2/NDF: 5912956.1/26

Left In: 88.482+/-0.015 χ^2/NDF:1075689.1/22

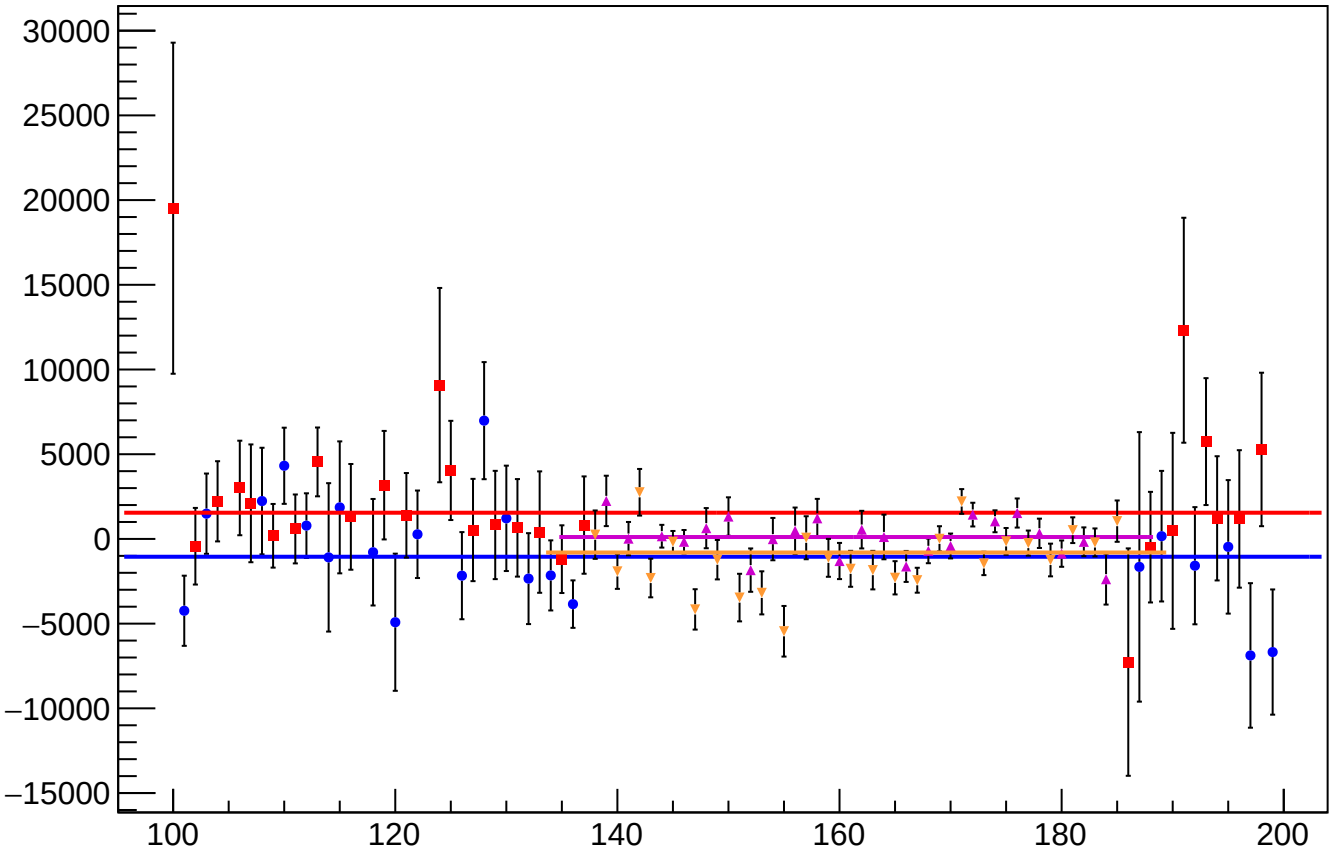
Left: 88.055+/-0.010 χ^2/NDF: 2290553.6/47

Right: 133.791+/-0.022 χ^2/NDF: 10829962.4/48

In: 96.470+/-0.014 χ^2/NDF:7529542.7/44

Out: 96.097+/-0.013 χ^2/NDF:9074742.4/51

All: 96.278+/-0.009 χ^2/NDF: 16604678.3/96



Right In: -1051.980+/-577.873 χ^2/NDF: 27.9/21

Left Out: -801.499+/-187.755 χ^2/NDF:71.9/24

Right Out: 1546.737+/-570.494 χ^2/NDF: 19.2/26

Left In: 112.485+/-190.269 χ^2/NDF:27.1/22

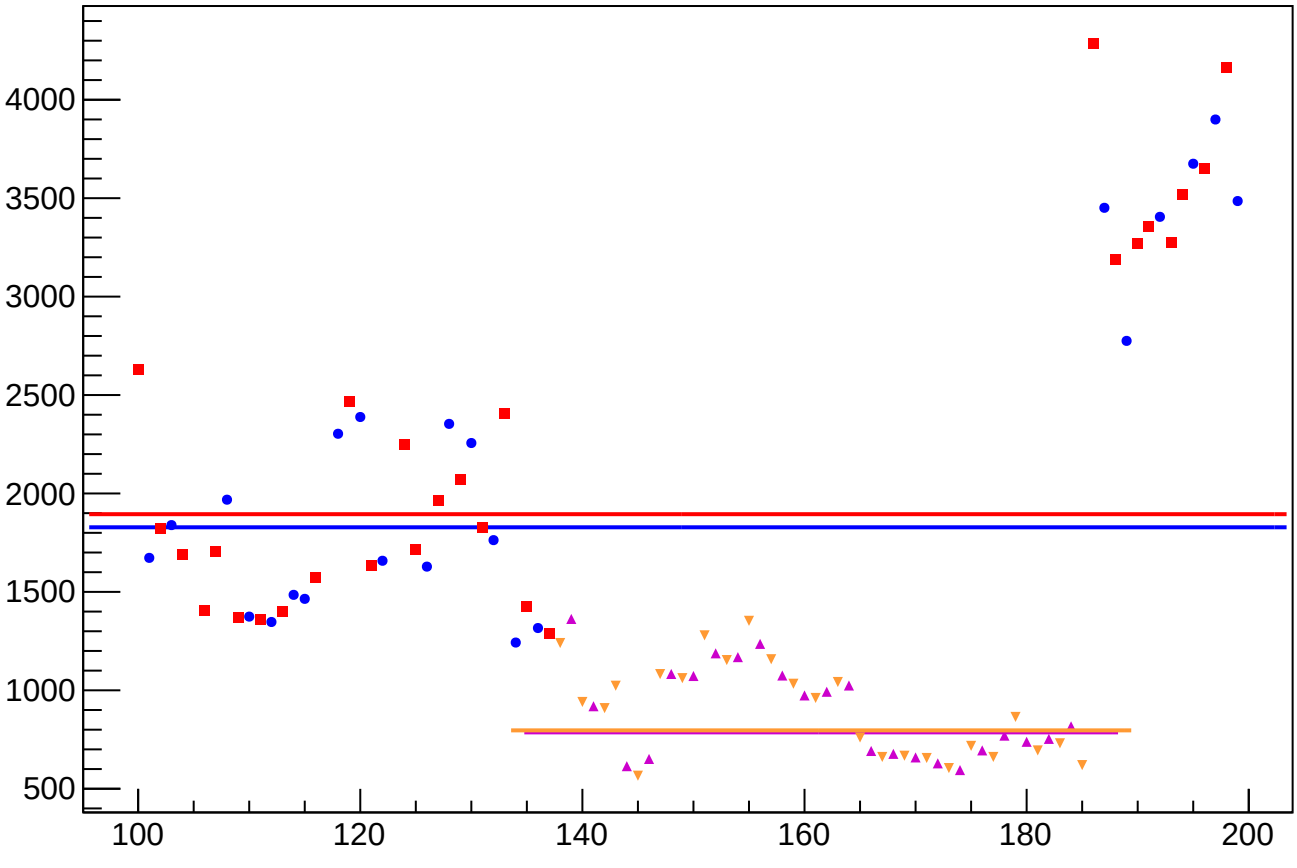
Left: -350.586+/-133.643 χ^2/NDF: 110.6/47

Right: 264.075+/-405.984 χ^2/NDF: 57.4/48

In: -1.409+/-180.725 χ^2/NDF:58.7/44

Out: -572.011+/-178.345 χ^2/NDF:106.4/51

All: -290.492+/-126.942 χ^2/NDF: 170.1/96



Right In: 1828.155+/-0.409 χ^2/NDF: 2803771.6/21

Left Out: 796.523+/-0.133 χ^2/NDF:2417869.7/24

Right Out: 1894.757+/-0.403 χ^2/NDF: 3200566.1/26

Left In: 786.336+/-0.135 χ^2/NDF:2156582.1/22

Left: 791.497+/-0.094 χ^2/NDF: 4577356.9/47

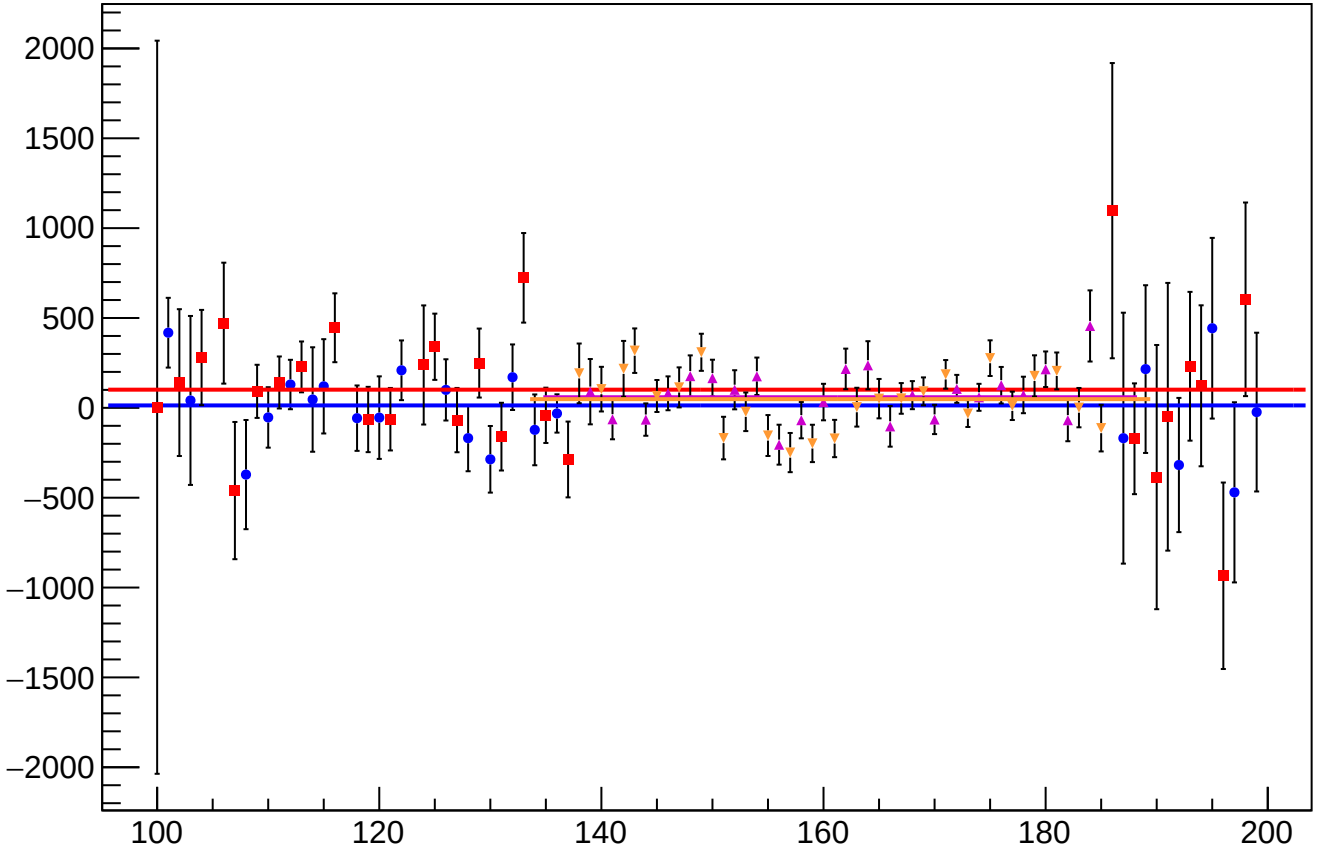
Right: 1861.884+/-0.287 χ^2/NDF: 6017791.8/48

In: 888.234+/-0.128 χ^2/NDF:10825101.9/44

Out: 903.852+/-0.126 χ^2/NDF:12305789.3/51

All: 896.146+/-0.090 χ^2/NDF: 23138458.2/96

eigen_cor_asym_sam3_mean vs Slug, Sign Corrected



Right In: 13.511+/-44.473 χ^2/NDF: 16.6/21

Left Out: 48.399+/-20.423 χ^2/NDF:53.6/24

Right Out: 101.133+/-44.290 χ^2/NDF: 33.1/26

Left In: 59.016+/-21.156 χ^2/NDF:30.6/22

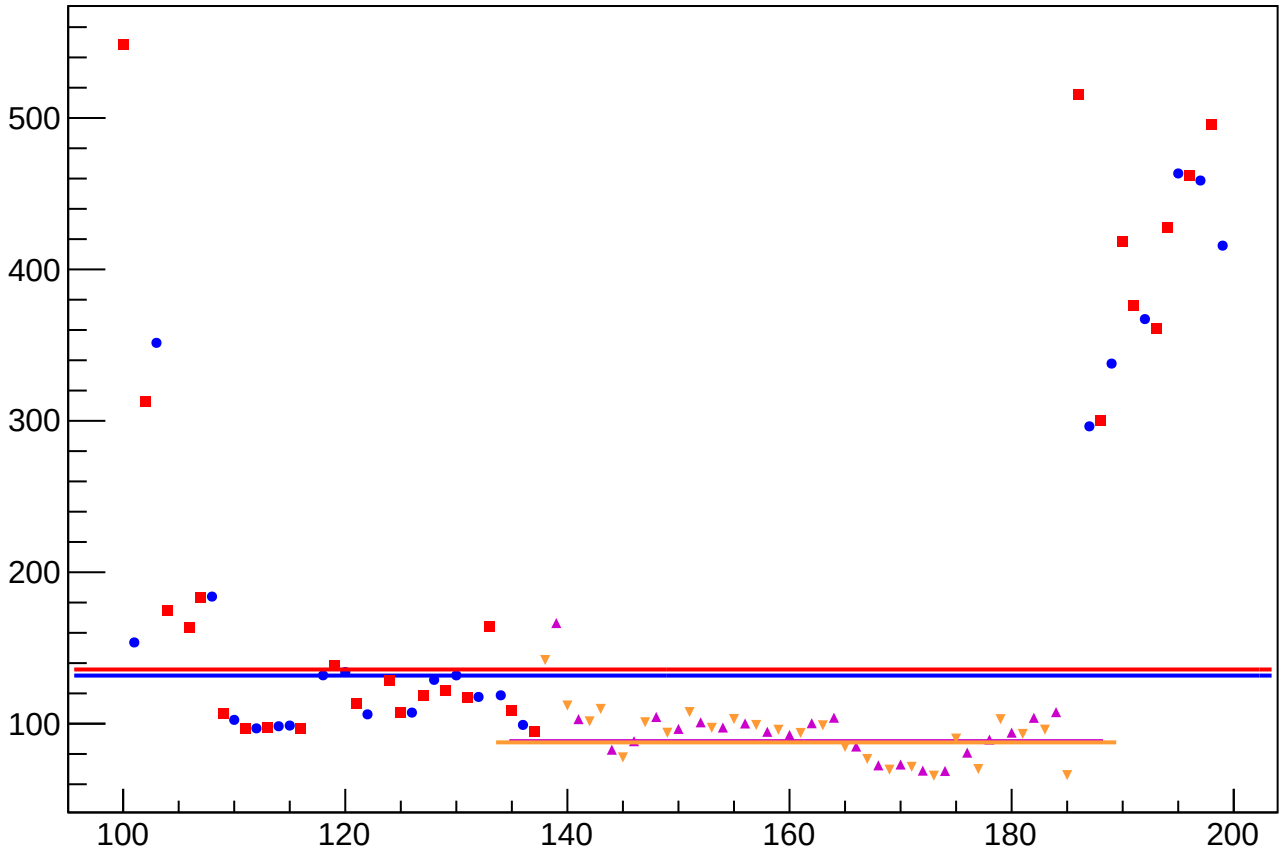
Left: 53.521+/-14.694 χ^2/NDF: 84.3/47

Right: 57.503+/-31.382 χ^2/NDF: 51.7/48

In: 50.619+/-19.105 χ^2/NDF:48.0/44

Out: 57.646+/-18.546 χ^2/NDF:87.9/51

All: 54.237+/-13.307 χ^2/NDF: 136.0/96



Right In: 131.769+/-0.031 χ^2/NDF: 4908774.3/21

Left Out: 87.656+/-0.014 χ^2/NDF:1213284.3/24

Right Out: 135.796+/-0.031 χ^2/NDF: 5912956.1/26

Left In: 88.482+/-0.015 χ^2/NDF:1075689.1/22

Left: 88.055+/-0.010 χ^2/NDF: 2290553.6/47

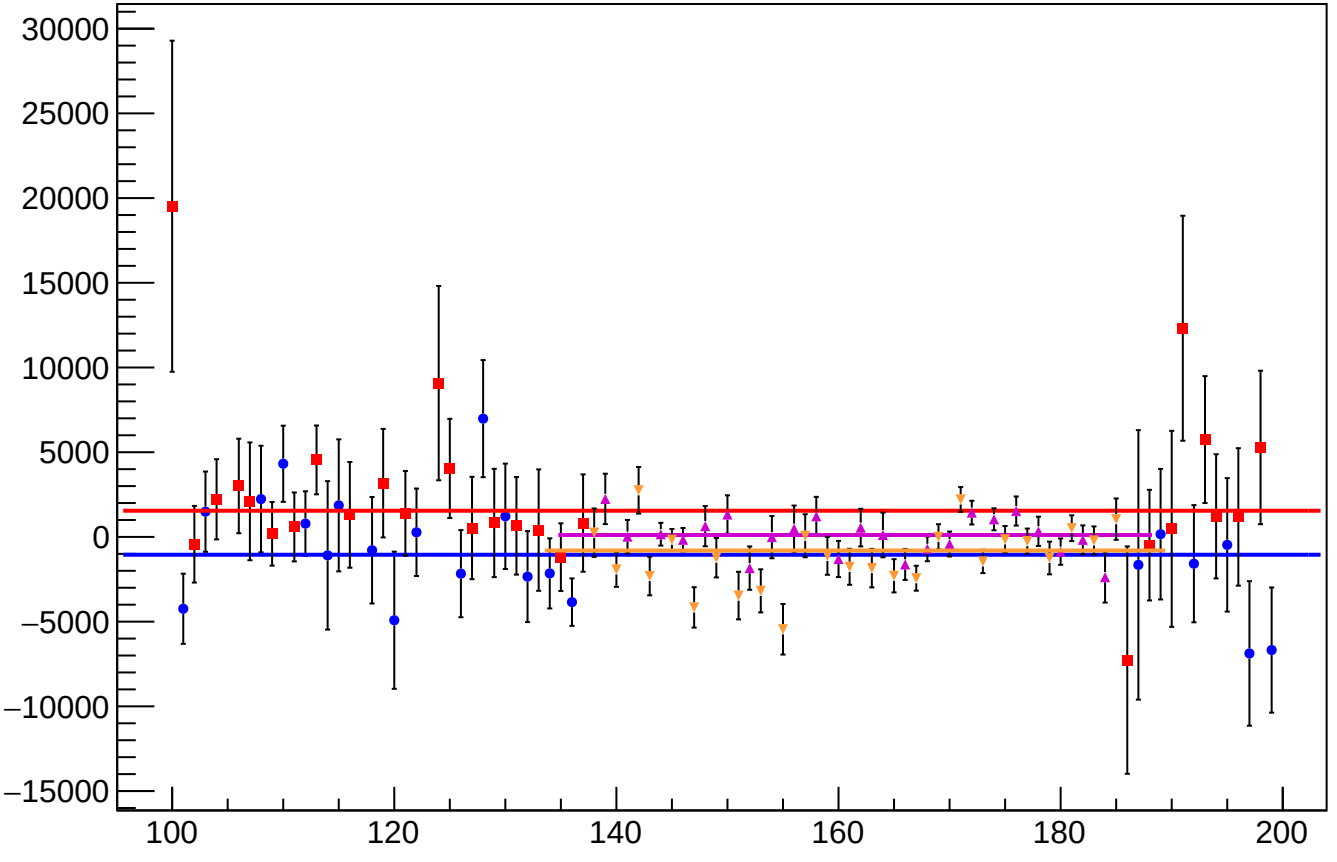
Right: 133.791+/-0.022 χ^2/NDF: 10829962.4/48

In: 96.470+/-0.014 χ^2/NDF:7529542.7/44

Out: 96.097+/-0.013 χ^2/NDF:9074742.4/51

All: 96.278+/-0.009 χ^2/NDF: 16604678.3/96

asym_sam3_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -1051.980+/-577.873 χ^2/NDF: 27.9/21

Left Out: -801.499+/-187.755 χ^2/NDF:71.9/24

Right Out: 1546.737+/-570.494 χ^2/NDF: 19.2/26

Left In: 112.485+/-190.269 χ^2/NDF:27.1/22

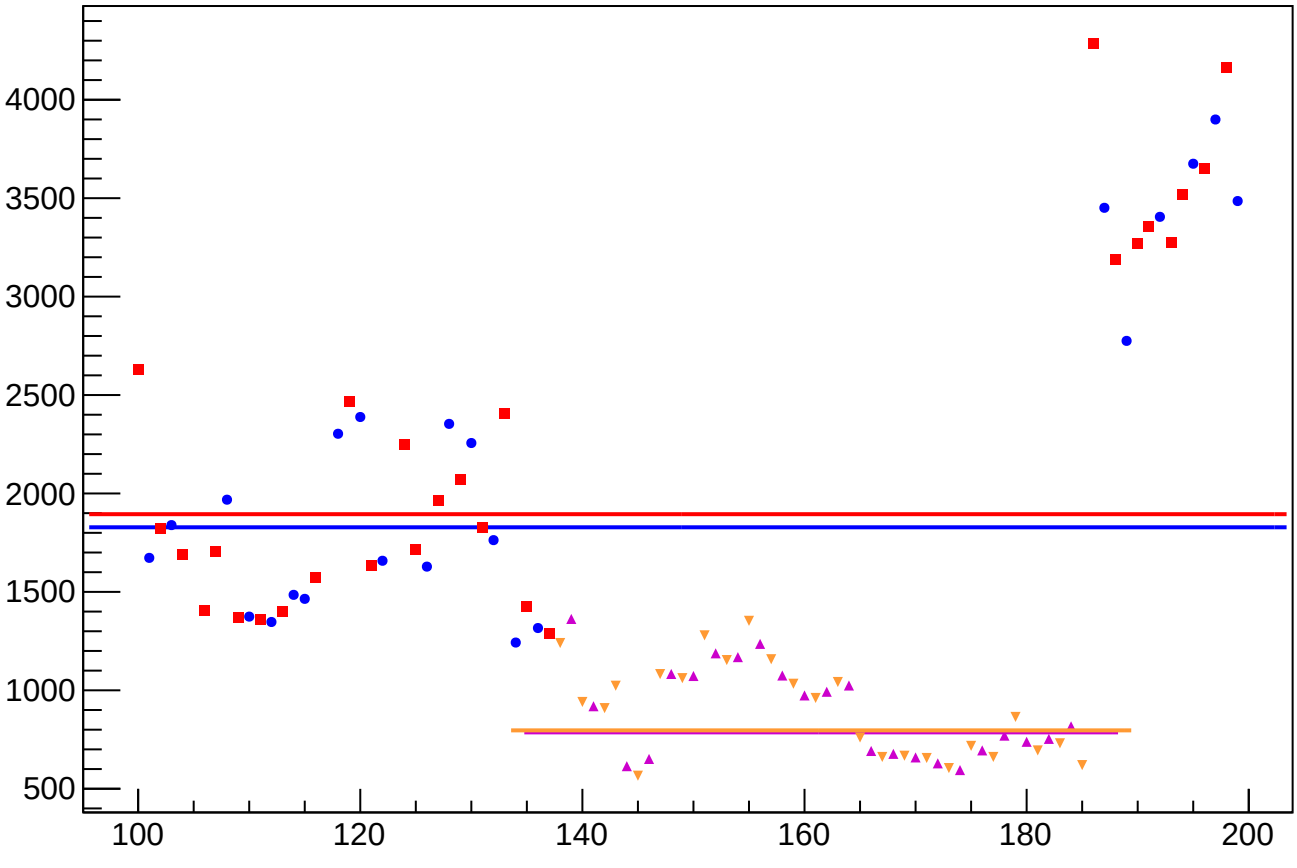
Left: -350.586+/-133.643 χ^2/NDF: 110.6/47

Right: 264.075+/-405.984 χ^2/NDF: 57.4/48

In: -1.409+/-180.725 χ^2/NDF:58.7/44

Out: -572.011+/-178.345 χ^2/NDF:106.4/51

All: -290.492+/-126.942 χ^2/NDF: 170.1/96



Right In: 1828.155+/-0.409 χ^2/NDF: 2803771.6/21

Left Out: 796.523+/-0.133 χ^2/NDF:2417869.7/24

Right Out: 1894.757+/-0.403 χ^2/NDF: 3200566.1/26

Left In: 786.336+/-0.135 χ^2/NDF:2156582.1/22

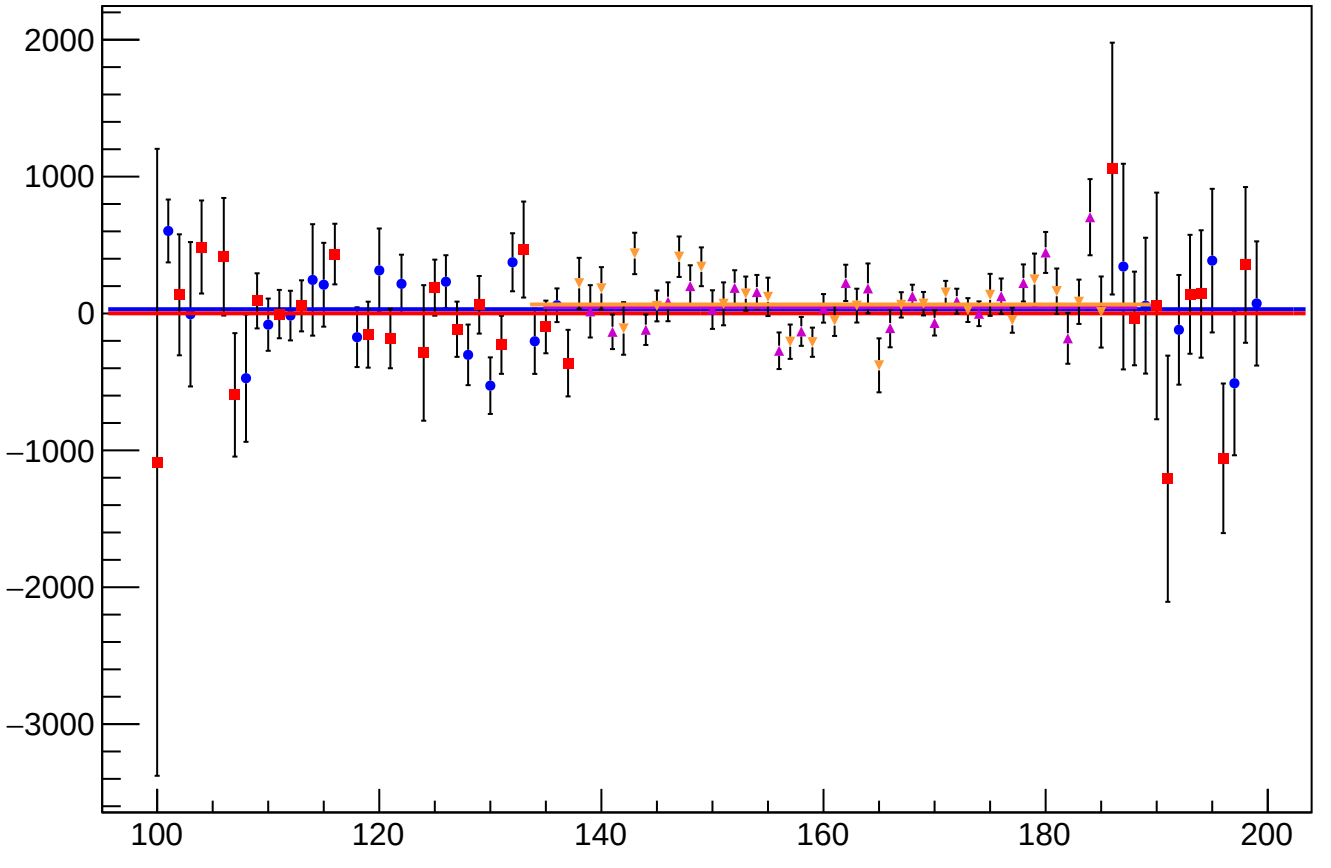
Left: 791.497+/-0.094 χ^2/NDF: 4577356.9/47

Right: 1861.884+/-0.287 χ^2/NDF: 6017791.8/48

In: 888.234+/-0.128 χ^2/NDF:10825101.9/44

Out: 903.852+/-0.126 χ^2/NDF:12305789.3/51

All: 896.146+/-0.090 χ^2/NDF: 23138458.2/96



Right In: 31.236+/-53.011 χ^2/NDF: 27.0/21

Left Out: 65.702+/-25.059 χ^2/NDF:40.0/24

Right Out: 1.226+/-53.712 χ^2/NDF: 24.8/26

Left In: 47.039+/-25.696 χ^2/NDF:38.6/22

Left: 56.605+/-17.941 χ^2/NDF: 78.9/47

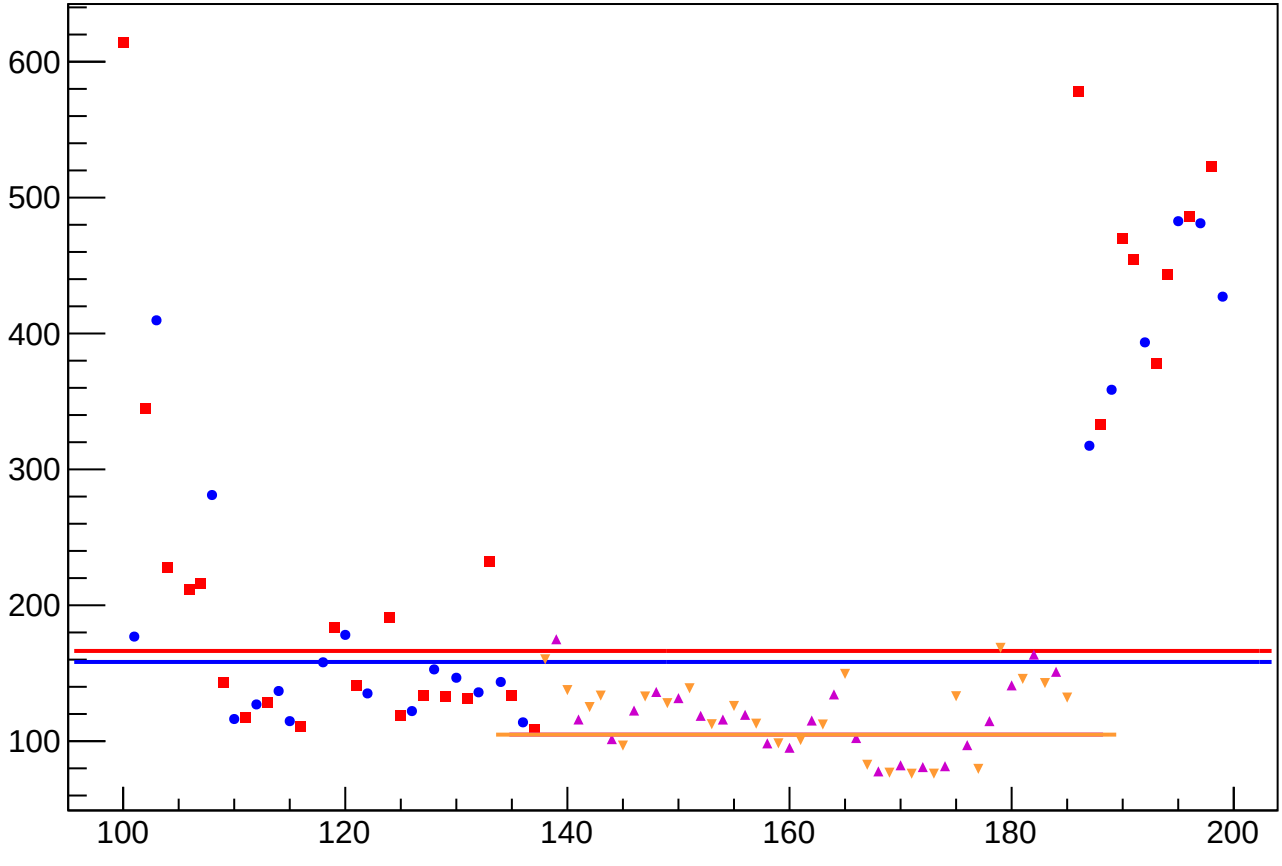
Right: 16.428+/-37.730 χ^2/NDF: 52.0/48

In: 44.032+/-23.123 χ^2/NDF:65.7/44

Out: 54.176+/-22.709 χ^2/NDF:66.0/51

All: 49.196+/-16.202 χ^2/NDF: 131.8/96

dit_asym_sam3_rms vs Slug, Sign Corrected



Right In: 158.288+/-0.037 χ^2/NDF: 4532871.2/21

Left Out: 104.810+/-0.018 χ^2/NDF:2242795.3/24

Right Out: 166.389+/-0.038 χ^2/NDF: 5452994.2/26

Left In: 104.835+/-0.018 χ^2/NDF:1614476.5/22

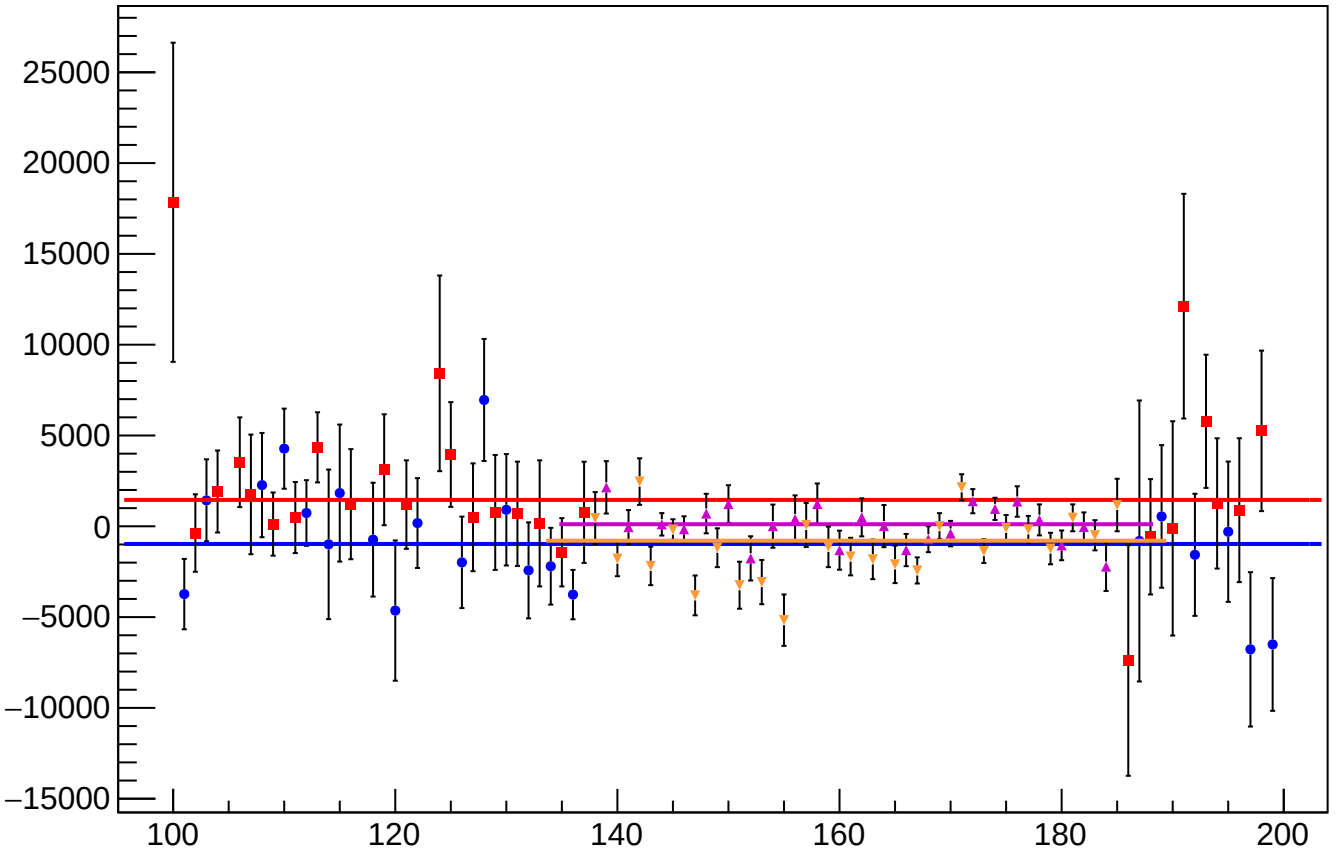
Left: 104.822+/-0.013 χ^2/NDF: 3857272.7/47

Right: 162.285+/-0.027 χ^2/NDF: 10008912.7/48

In: 115.005+/-0.016 χ^2/NDF:7793956.8/44

Out: 115.818+/-0.016 χ^2/NDF:9854648.6/51

All: 115.419+/-0.011 χ^2/NDF: 17649864.3/96



Right In: -972.634+/-560.393 χ^2/NDF: 28.0/21

Left Out: -793.070+/-179.897 χ^2/NDF:70.0/24

Right Out: 1453.336+/-545.554 χ^2/NDF: 21.1/26

Left In: 113.680+/-183.126 χ^2/NDF:26.3/22

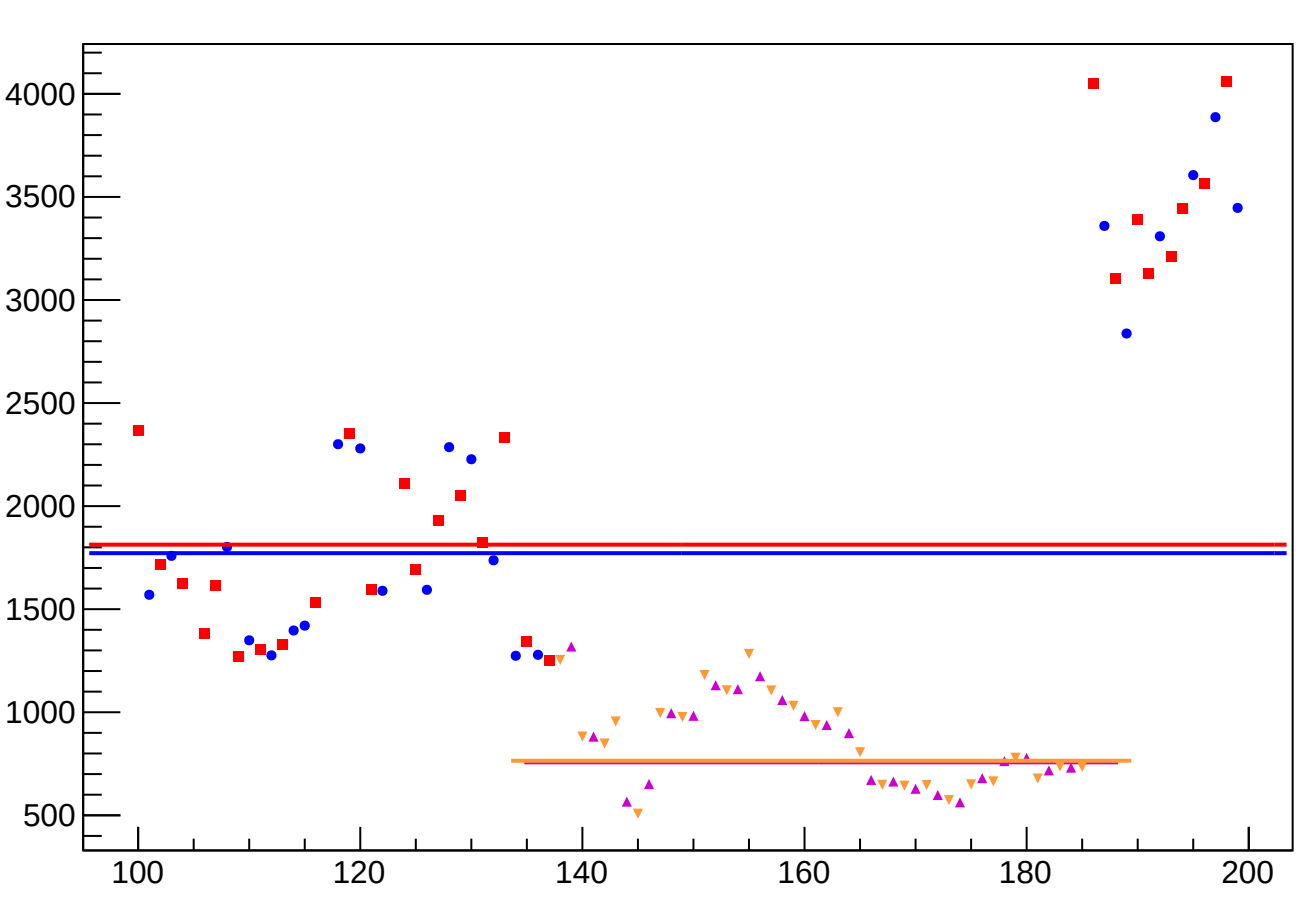
Left: -347.760+/-128.333 χ^2/NDF: 108.8/47

Right: 272.896+/-390.906 χ^2/NDF: 58.7/48

In: 8.869+/-174.067 χ^2/NDF:57.7/44

Out: -572.762+/-170.848 χ^2/NDF:106.4/51

All: -287.375+/-121.930 χ^2/NDF: 169.8/96



Right In: 1771.716+/-0.396 χ^2/NDF: 2873767.2/21

Left Out: 764.734+/-0.127 χ^2/NDF:2425556.5/24

Right Out: 1813.106+/-0.386 χ^2/NDF: 3344989.9/26

Left In: 756.927+/-0.129 χ^2/NDF:2115280.1/22

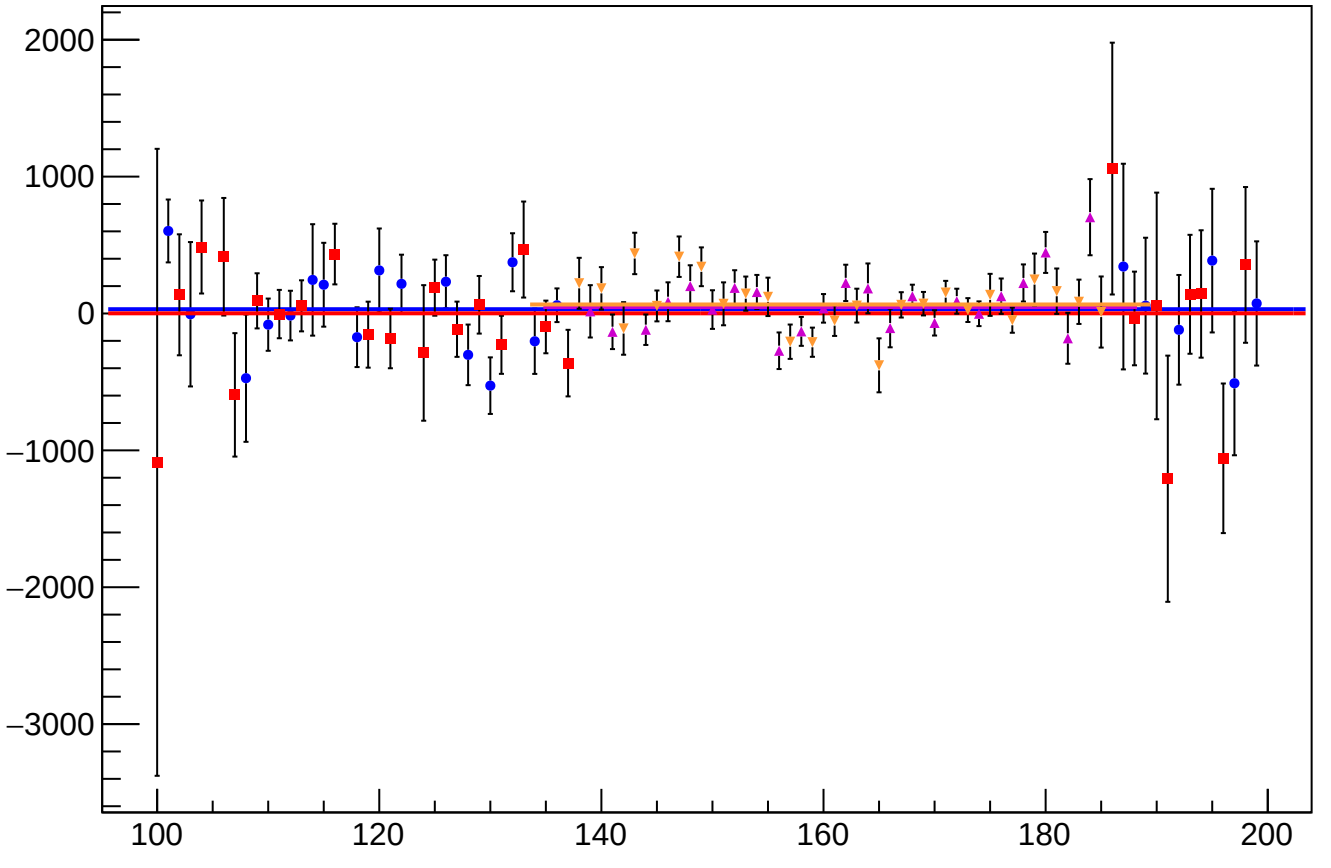
Left: 760.900+/-0.091 χ^2/NDF: 4542686.7/47

Right: 1792.966+/-0.276 χ^2/NDF: 6224358.6/48

In: 854.836+/-0.123 χ^2/NDF:10914655.1/44

Out: 867.549+/-0.121 χ^2/NDF:12431826.1/51

All: 861.311+/-0.086 χ^2/NDF: 23351915.1/96



Right In: 31.235+/-53.011 χ^2/NDF: 27.0/21

Left Out: 65.703+/-25.059 χ^2/NDF:40.0/24

Right Out: 1.222+/-53.712 χ^2/NDF: 24.8/26

Left In: 47.038+/-25.696 χ^2/NDF:38.6/22

Left: 56.604+/-17.941 χ^2/NDF: 78.9/47

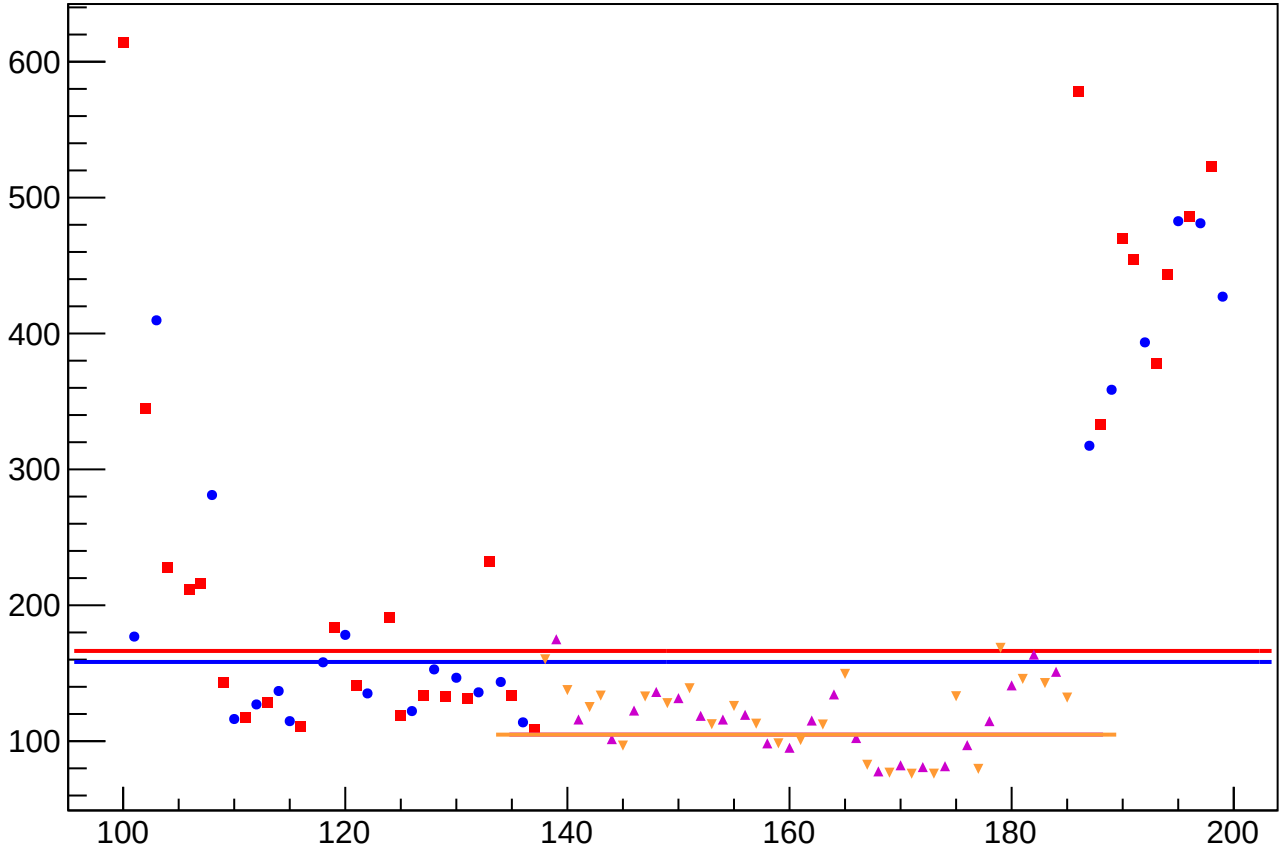
Right: 16.426+/-37.730 χ^2/NDF: 52.0/48

In: 44.031+/-23.123 χ^2/NDF:65.7/44

Out: 54.176+/-22.709 χ^2/NDF:66.0/51

All: 49.195+/-16.202 χ^2/NDF: 131.8/96

eigen_dit_asym_sam3_rms vs Slug, Sign Corrected



Right In: 158.288+/-0.037 χ^2/NDF: 4532869.7/21

Left Out: 104.810+/-0.018 χ^2/NDF:2242815.0/24

Right Out: 166.390+/-0.038 χ^2/NDF: 5452989.0/26

Left In: 104.835+/-0.018 χ^2/NDF:1614484.2/22

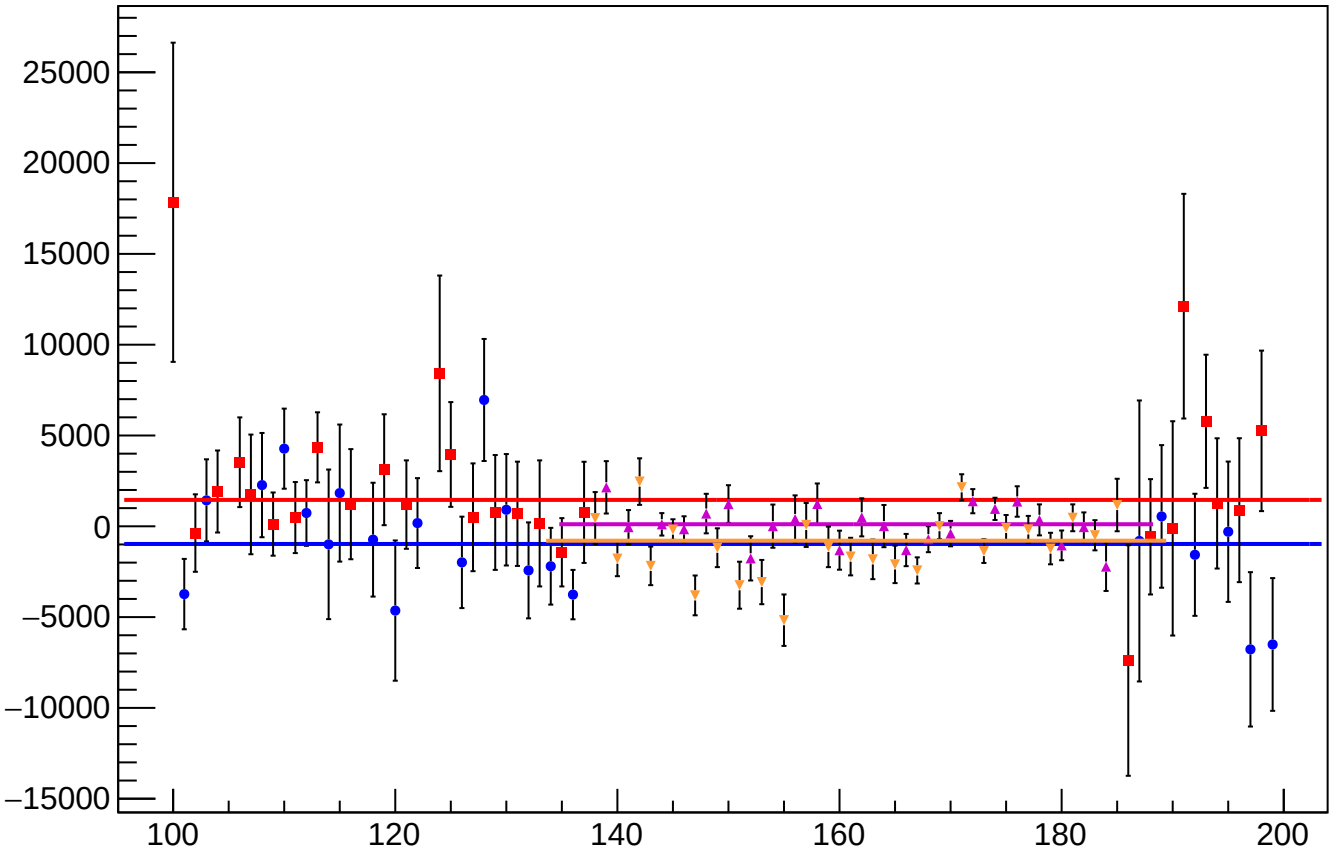
Left: 104.822+/-0.013 χ^2/NDF: 3857300.1/47

Right: 162.286+/-0.027 χ^2/NDF: 10008907.2/48

In: 115.005+/-0.016 χ^2/NDF:7793957.7/44

Out: 115.818+/-0.016 χ^2/NDF:9854666.7/51

All: 115.419+/-0.011 χ^2/NDF: 17649883.5/96



Right In: -972.632+/-560.392 χ^2/NDF: 28.0/21

Left Out: -793.071+/-179.896 χ^2/NDF:70.0/24

Right Out: 1453.335+/-545.553 χ^2/NDF: 21.1/26

Left In: 113.680+/-183.125 χ^2/NDF:26.3/22

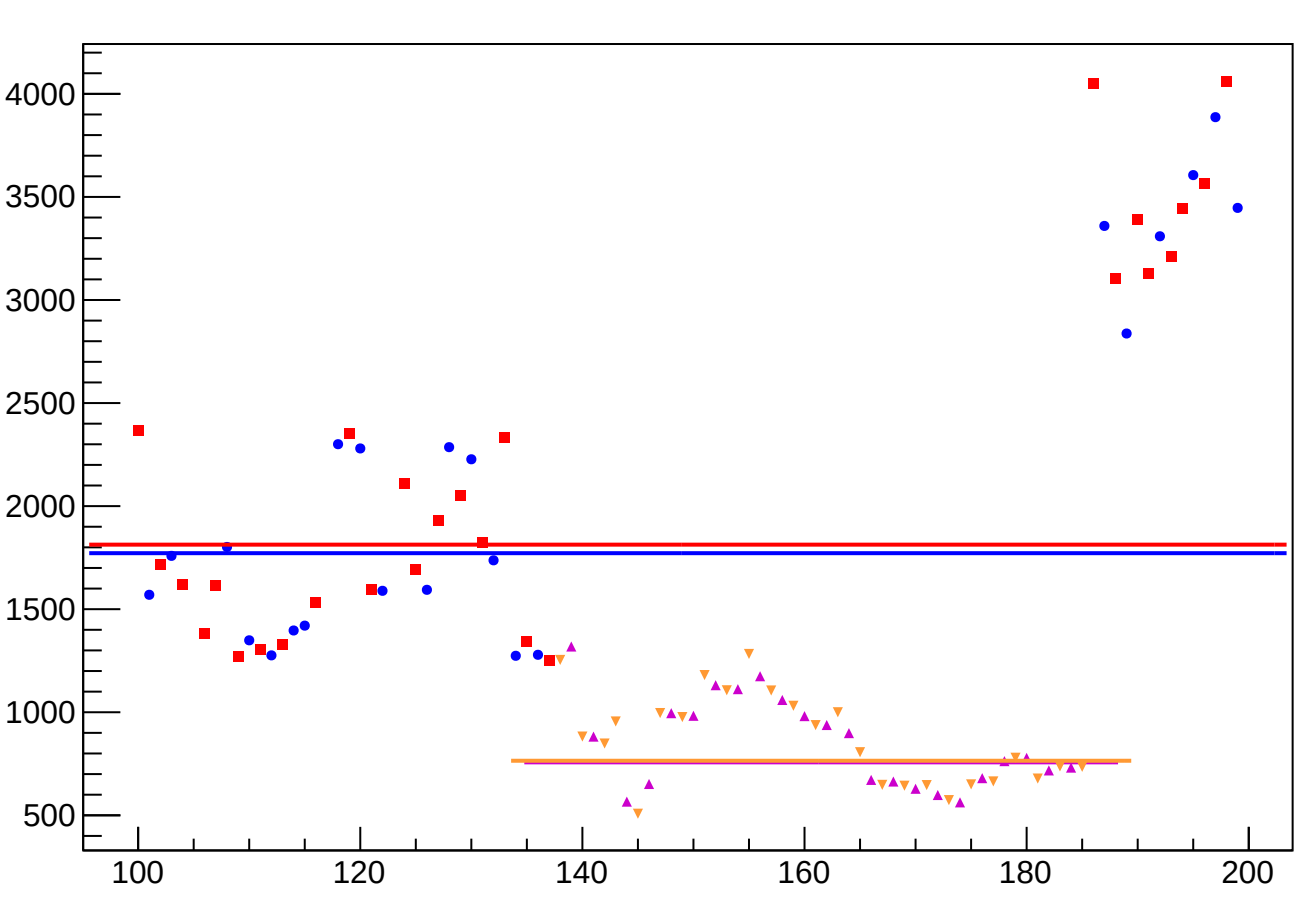
Left: -347.761+/-128.332 χ^2/NDF: 108.8/47

Right: 272.897+/-390.905 χ^2/NDF: 58.7/48

In: 8.869+/-174.067 χ^2/NDF:57.7/44

Out: -572.763+/-170.847 χ^2/NDF:106.4/51

All: -287.376+/-121.930 χ^2/NDF: 169.8/96



Right In: 1771.714+/-0.396 χ^2/NDF: 2873765.3/21

Left Out: 764.734+/-0.127 χ^2/NDF:2425549.9/24

Right Out: 1813.104+/-0.386 χ^2/NDF: 3344989.8/26

Left In: 756.926+/-0.129 χ^2/NDF:2115275.0/22

Left: 760.899+/-0.091 χ^2/NDF: 4542675.0/47

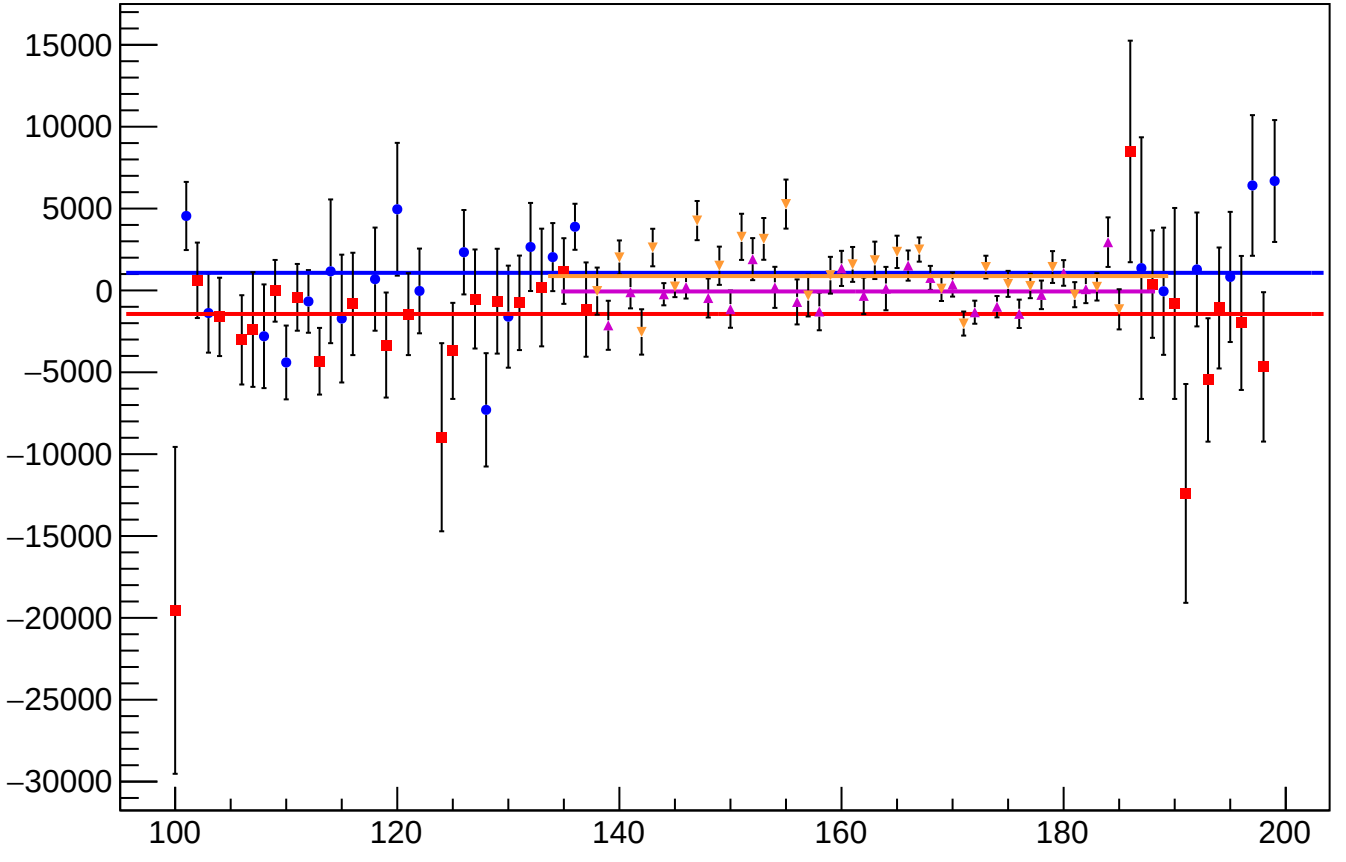
Right: 1792.964+/-0.276 χ^2/NDF: 6224356.4/48

In: 854.835+/-0.123 χ^2/NDF:10914646.9/44

Out: 867.549+/-0.121 χ^2/NDF:12431812.4/51

All: 861.311+/-0.086 χ^2/NDF: 23351893.4/96

asym_sam3_mean vs Slug, Sign Corrected



Right In: 1074.783+/-580.655 χ^2/NDF: 29.0/21

Left Out: 876.482+/-188.998 χ^2/NDF:67.3/24

Right Out: -1437.969+/-572.631 χ^2/NDF: 19.0/26

Left In: -62.754+/-191.596 χ^2/NDF:27.1/22

Left: 413.275+/-134.551 χ^2/NDF: 106.6/47

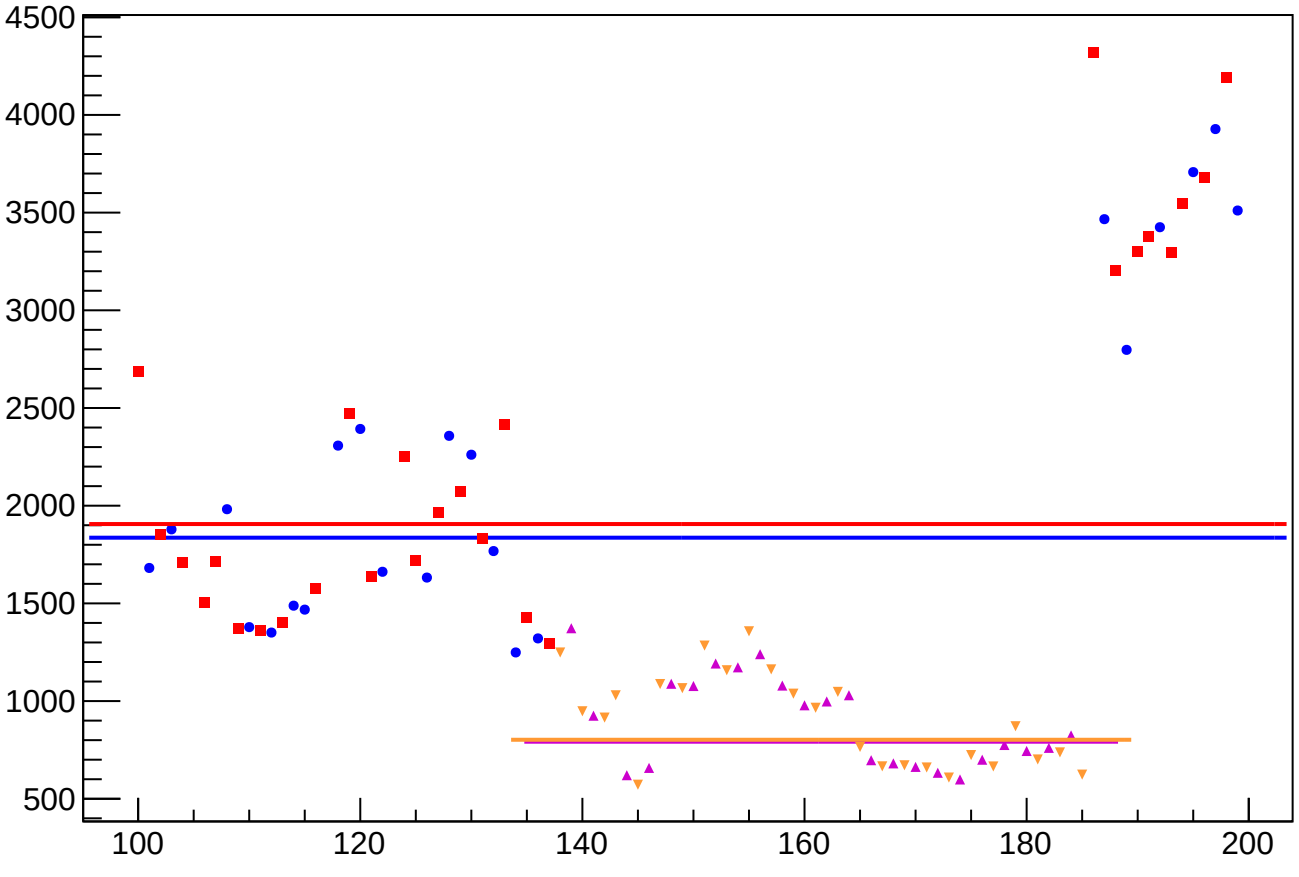
Right: -199.074+/-407.719 χ^2/NDF: 57.4/48

In: 48.938+/-181.947 χ^2/NDF:59.5/44

Out: 649.125+/-179.475 χ^2/NDF:101.0/51

All: 353.136+/-127.773 χ^2/NDF: 166.0/96

asym_sam3_rms vs Slug, Sign Corrected



Right In: 1836.258+/-0.411 χ^2/NDF: 2818743.6/21

Left Out: 802.014+/-0.134 χ^2/NDF:2396024.4/24

Right Out: 1906.081+/-0.405 χ^2/NDF: 3200763.3/26

Left In: 792.060+/-0.135 χ^2/NDF:2135575.6/22

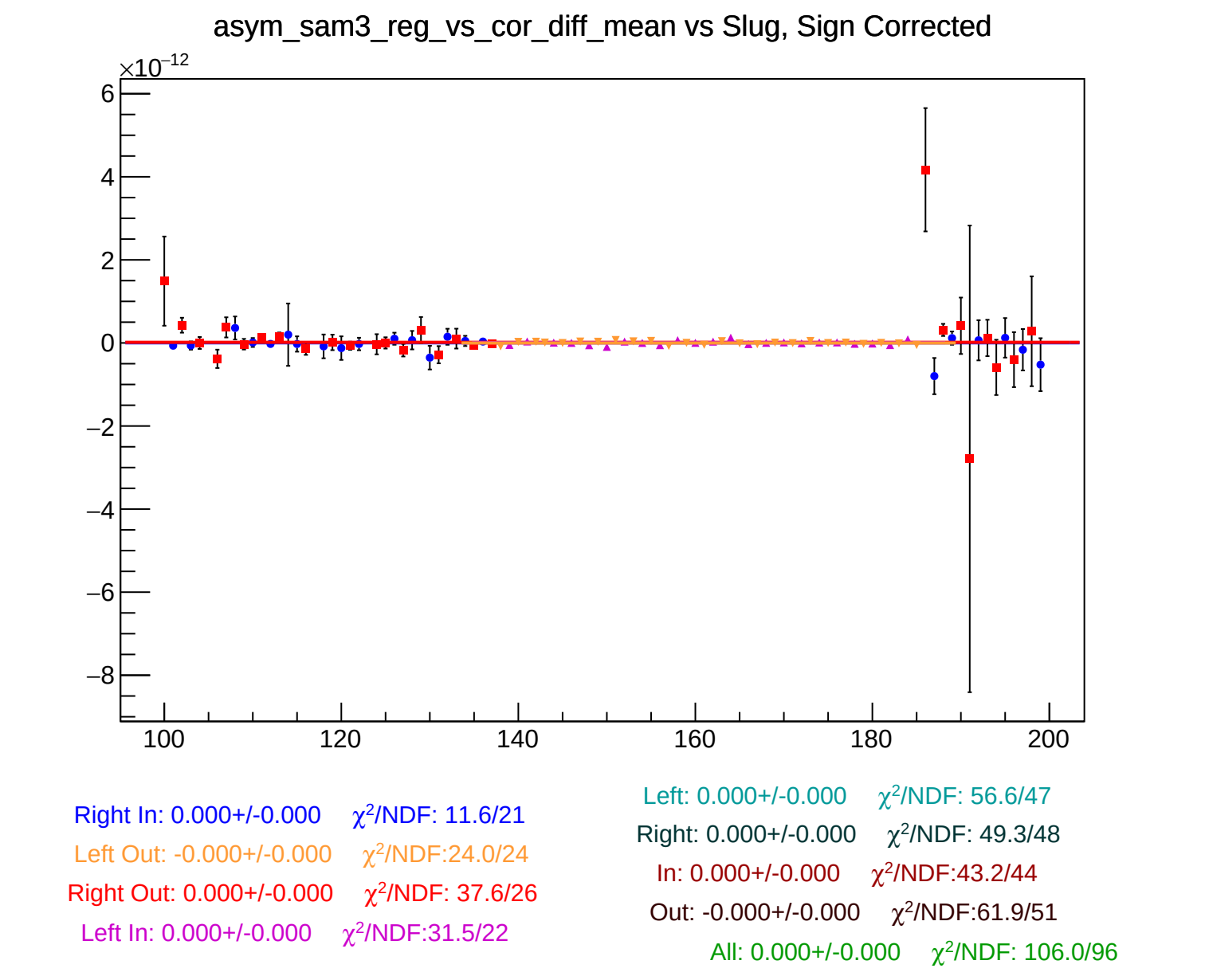
Left: 797.105+/-0.095 χ^2/NDF: 4534335.9/47

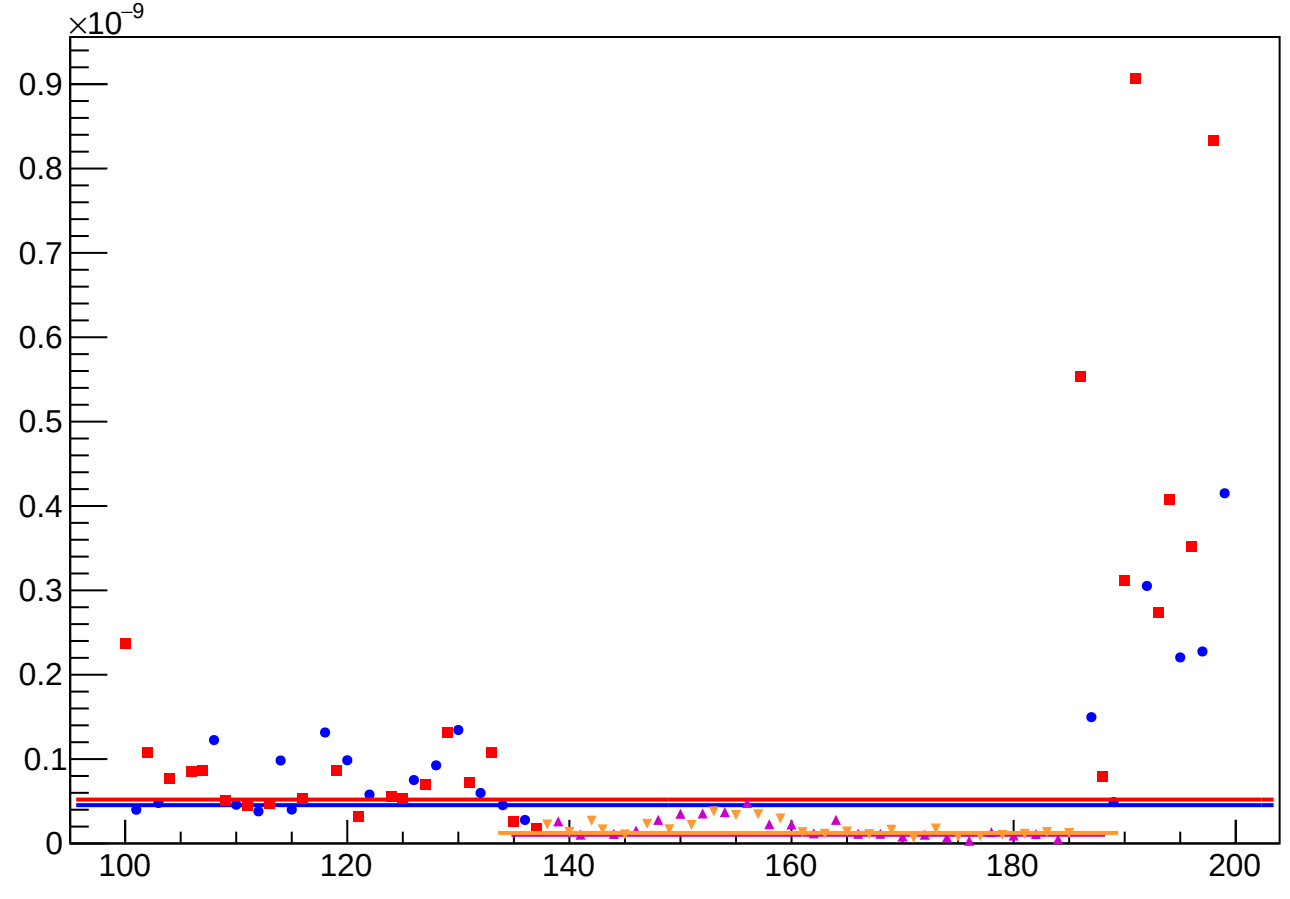
Right: 1871.656+/-0.288 χ^2/NDF: 6034167.8/48

In: 894.587+/-0.129 χ^2/NDF:10787106.5/44

Out: 910.471+/-0.127 χ^2/NDF:12301269.5/51

All: 902.638+/-0.090 χ^2/NDF: 23096101.2/96


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: 11.6/21
Left Out: -0.000+/-0.000 χ²/NDF:24.0/24
Right Out: 0.000+/-0.000 χ²/NDF: 37.6/26
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: 49.3/48
In: 0.000+/-0.000 χ²/NDF:43.2/44
Out: -0.000+/-0.000 χ²/NDF:61.9/51
All: 0.000+/-0.000 χ²/NDF: 106.0/96



Right In: 0.000+/-0.000 χ^2/NDF: 3076805.7/21

Left Out: 0.000+/-0.000 χ^2/NDF:2214354.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4292632.6/26

Left In: 0.000+/-0.000 χ^2/NDF:3679061.1/22

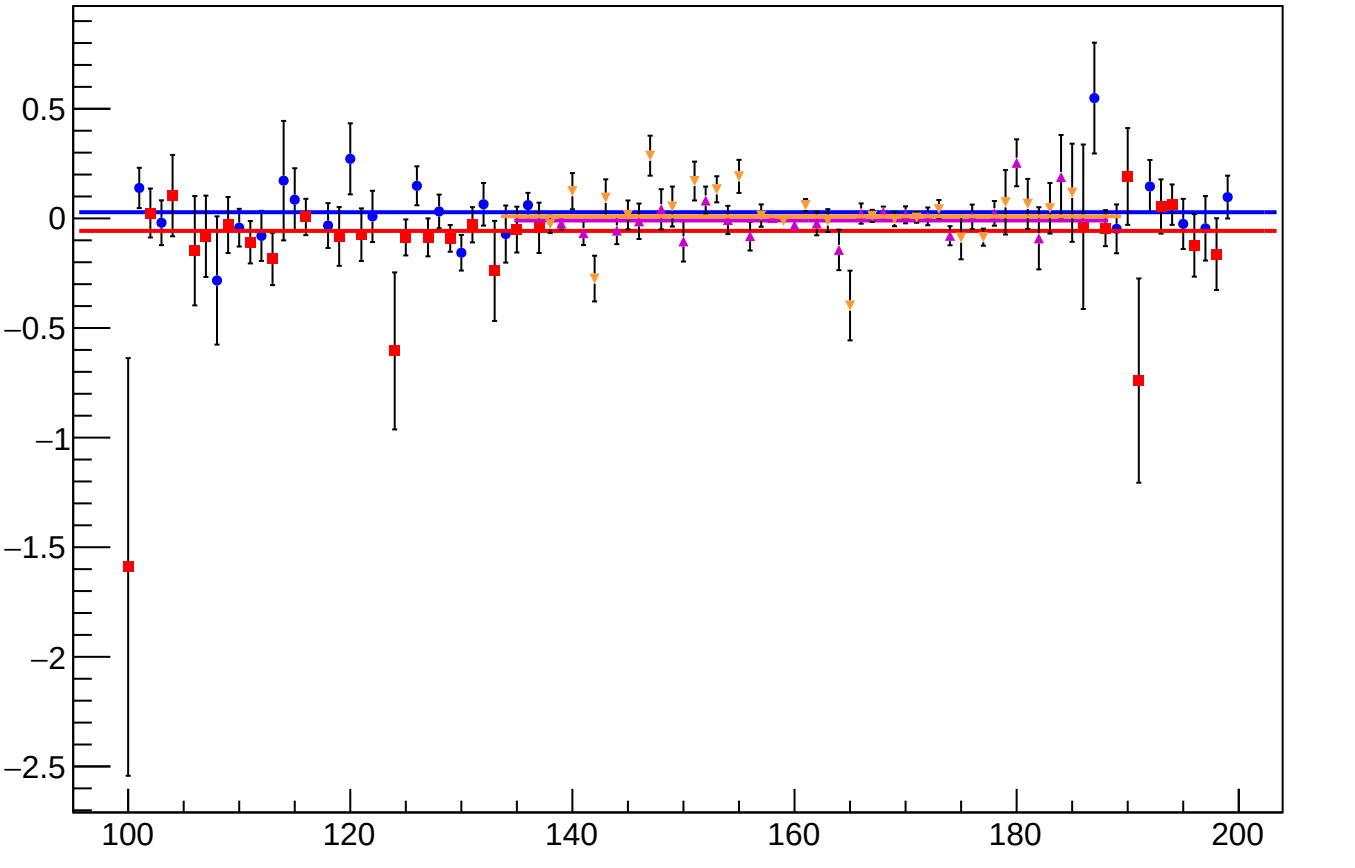
Left: 0.000+/-0.000 χ^2/NDF: 6061170.6/47

Right: 0.000+/-0.000 χ^2/NDF: 7425108.3/48

In: 0.000+/-0.000 χ^2/NDF:10103395.9/44

Out: 0.000+/-0.000 χ^2/NDF:9982290.9/51

All: 0.000+/-0.000 χ^2/NDF: 20281994.3/96



Right In: 0.028+/-0.022 χ^2/NDF: 22.2/21

Left Out: 0.010+/-0.008 χ^2/NDF:54.6/24

Right Out: -0.057+/-0.022 χ^2/NDF: 16.4/26

Left In: -0.009+/-0.008 χ^2/NDF:25.2/22

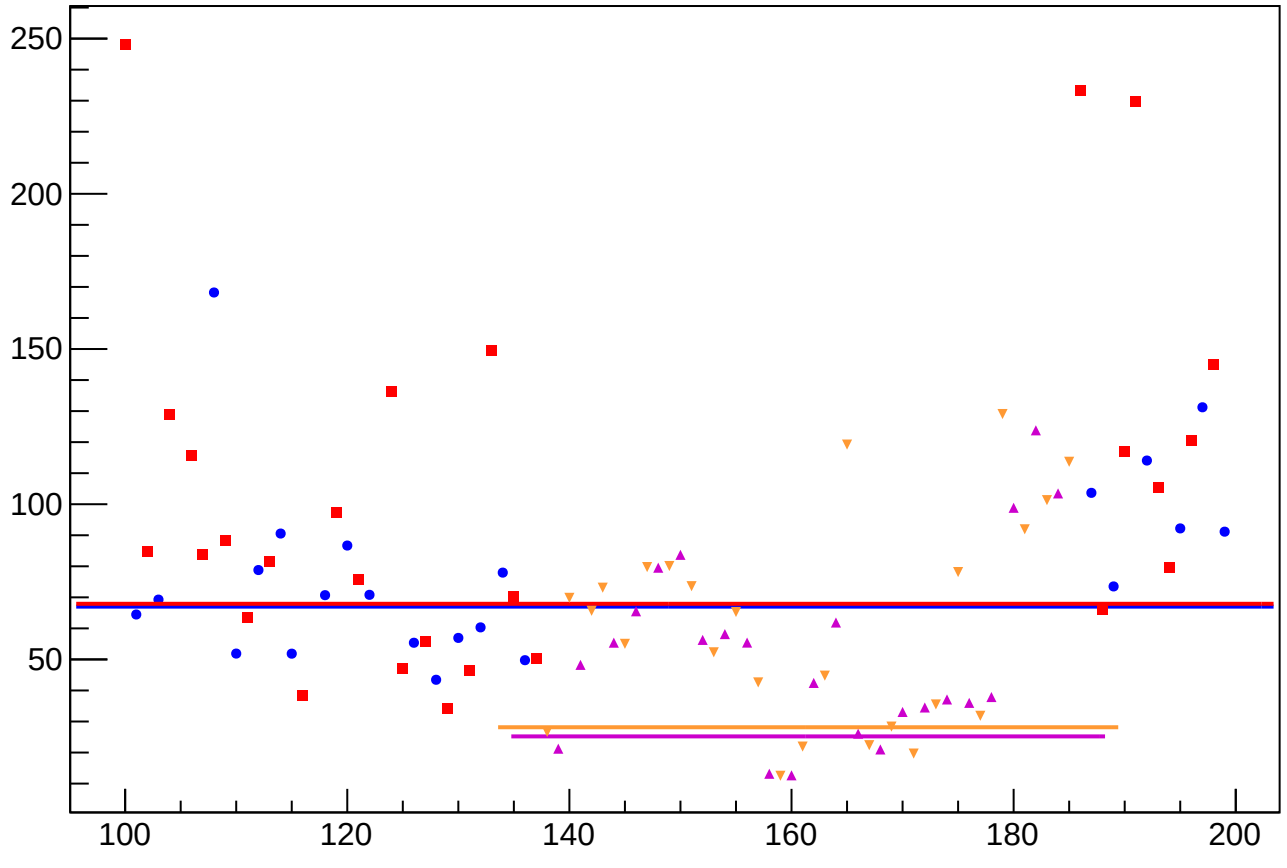
Left: -0.001+/-0.006 χ^2/NDF: 82.5/47

Right: -0.014+/-0.016 χ^2/NDF: 45.9/48

In: -0.005+/-0.007 χ^2/NDF:49.9/44

Out: 0.001+/-0.008 χ^2/NDF:78.9/51

All: -0.002+/-0.005 χ^2/NDF: 129.1/96



Right In: 67.014+/-0.016 χ^2/NDF: 1818804.3/21

Left Out: 28.151+/-0.006 χ^2/NDF:11070747.0/24

Right Out: 67.921+/-0.016 χ^2/NDF: 3822097.1/26

Left In: 25.206+/-0.006 χ^2/NDF:9964049.2/22

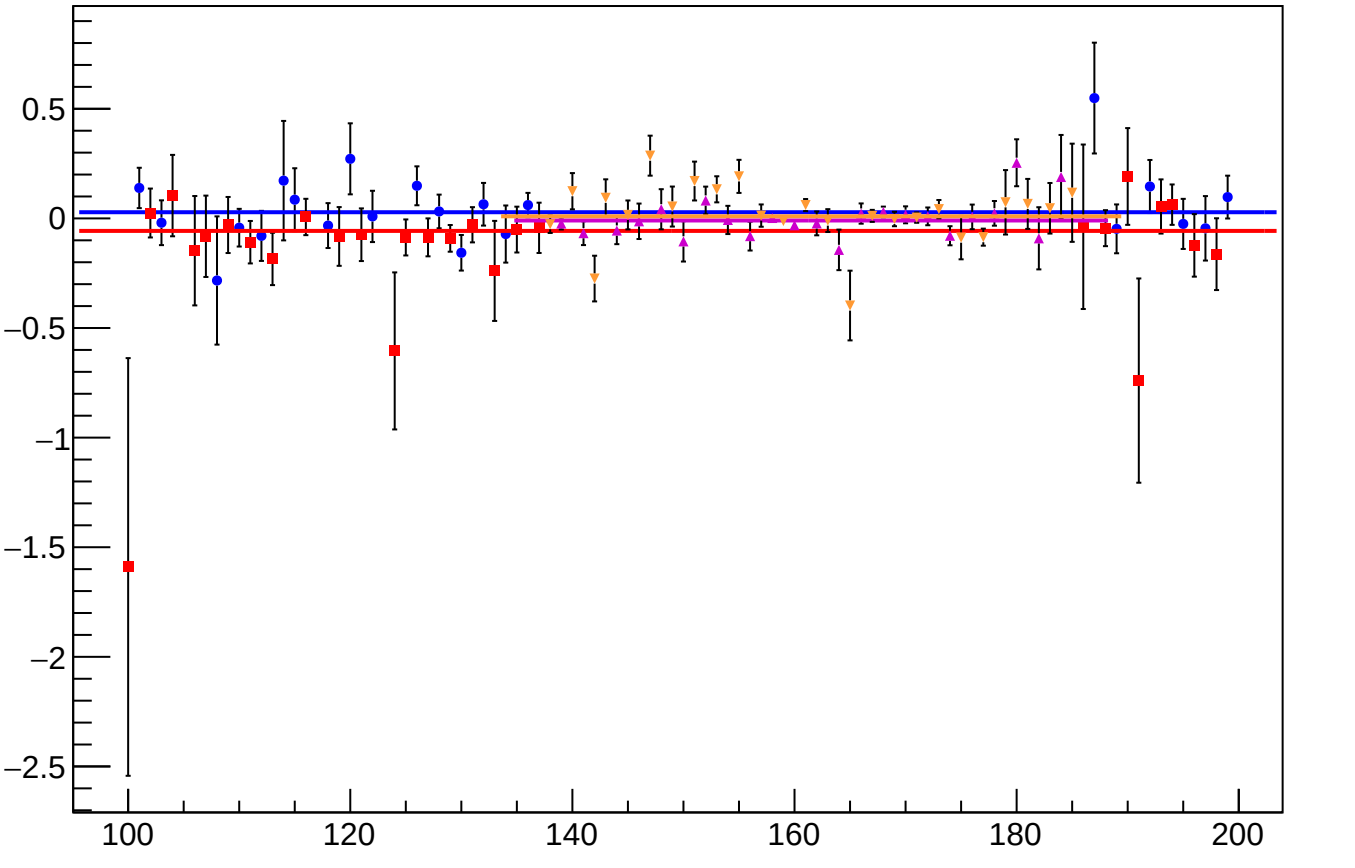
Left: 26.582+/-0.004 χ^2/NDF: 21163962.5/47

Right: 67.465+/-0.011 χ^2/NDF: 5642565.4/48

In: 29.942+/-0.005 χ^2/NDF:18089811.1/44

Out: 33.163+/-0.006 χ^2/NDF:20465216.8/51

All: 31.459+/-0.004 χ^2/NDF: 38730566.3/96



Right In: 0.028+/-0.022 χ^2/NDF: 22.2/21

Left Out: 0.010+/-0.008 χ^2/NDF:54.6/24

Right Out: -0.057+/-0.022 χ^2/NDF: 16.4/26

Left In: -0.009+/-0.008 χ^2/NDF:25.2/22

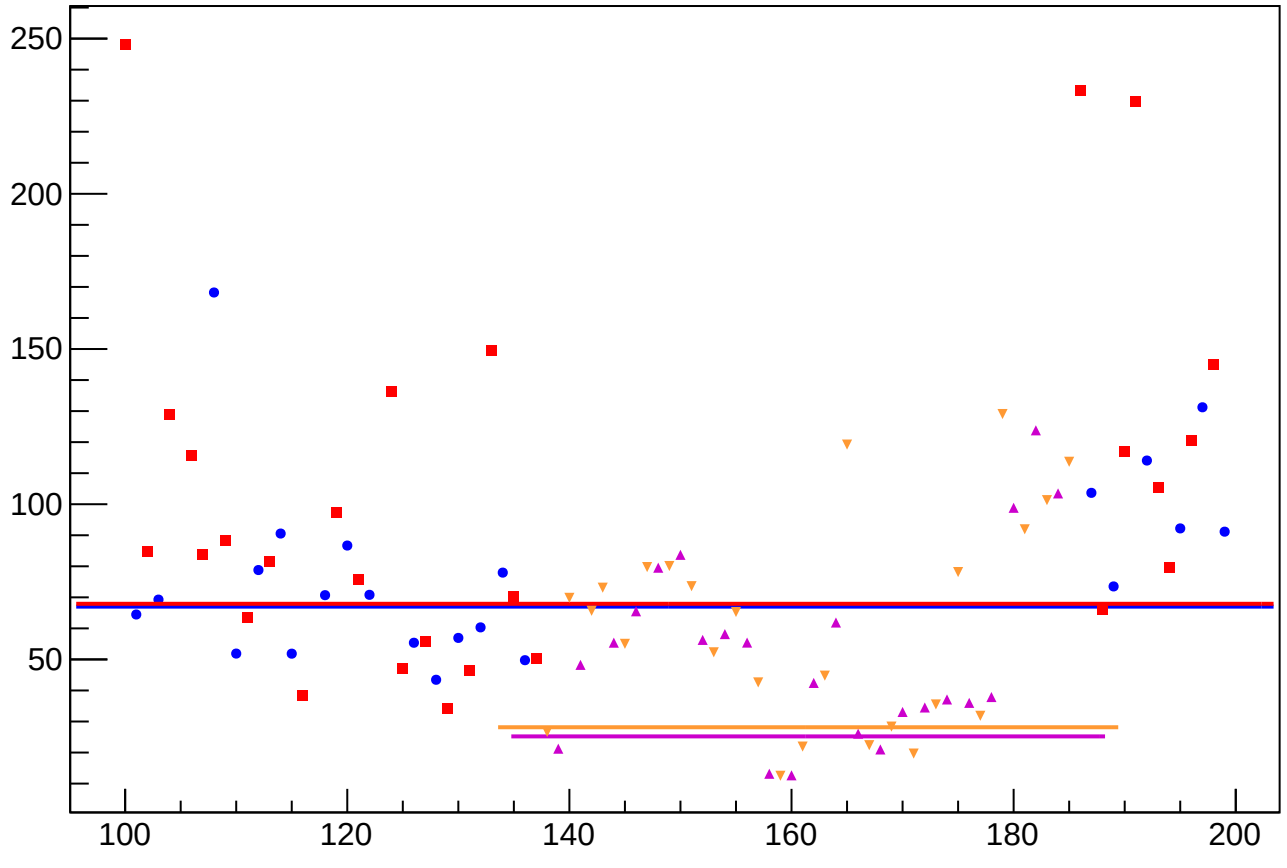
Left: -0.001+/-0.006 χ^2/NDF: 82.5/47

Right: -0.014+/-0.016 χ^2/NDF: 45.9/48

In: -0.005+/-0.007 χ^2/NDF:49.9/44

Out: 0.001+/-0.008 χ^2/NDF:78.9/51

All: -0.002+/-0.005 χ^2/NDF: 129.1/96



Right In: 67.014+/-0.016 χ^2/NDF: 1818804.3/21

Left Out: 28.151+/-0.006 χ^2/NDF:11070747.0/24

Right Out: 67.921+/-0.016 χ^2/NDF: 3822097.1/26

Left In: 25.206+/-0.006 χ^2/NDF:9964049.2/22

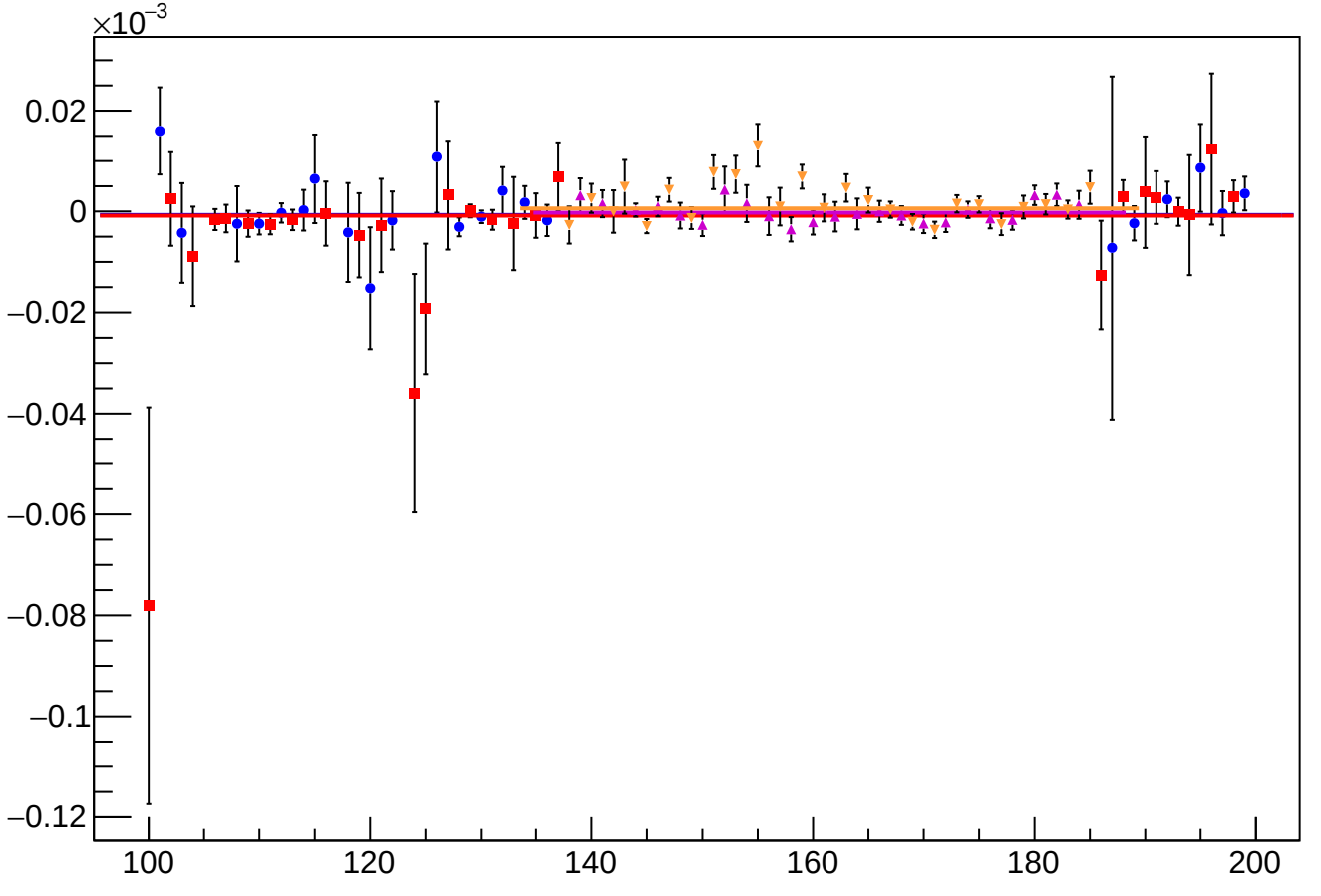
Left: 26.582+/-0.004 χ^2/NDF: 21163962.5/47

Right: 67.465+/-0.011 χ^2/NDF: 5642565.4/48

In: 29.942+/-0.005 χ^2/NDF:18089811.1/44

Out: 33.163+/-0.006 χ^2/NDF:20465216.8/51

All: 31.459+/-0.004 χ^2/NDF: 38730566.3/96



Right In: -0.000+/-0.000 χ^2/NDF: 15.3/21

Left Out: 0.000+/-0.000 χ^2/NDF:52.3/24

Right Out: -0.000+/-0.000 χ^2/NDF: 18.2/26

Left In: -0.000+/-0.000 χ^2/NDF:16.5/22

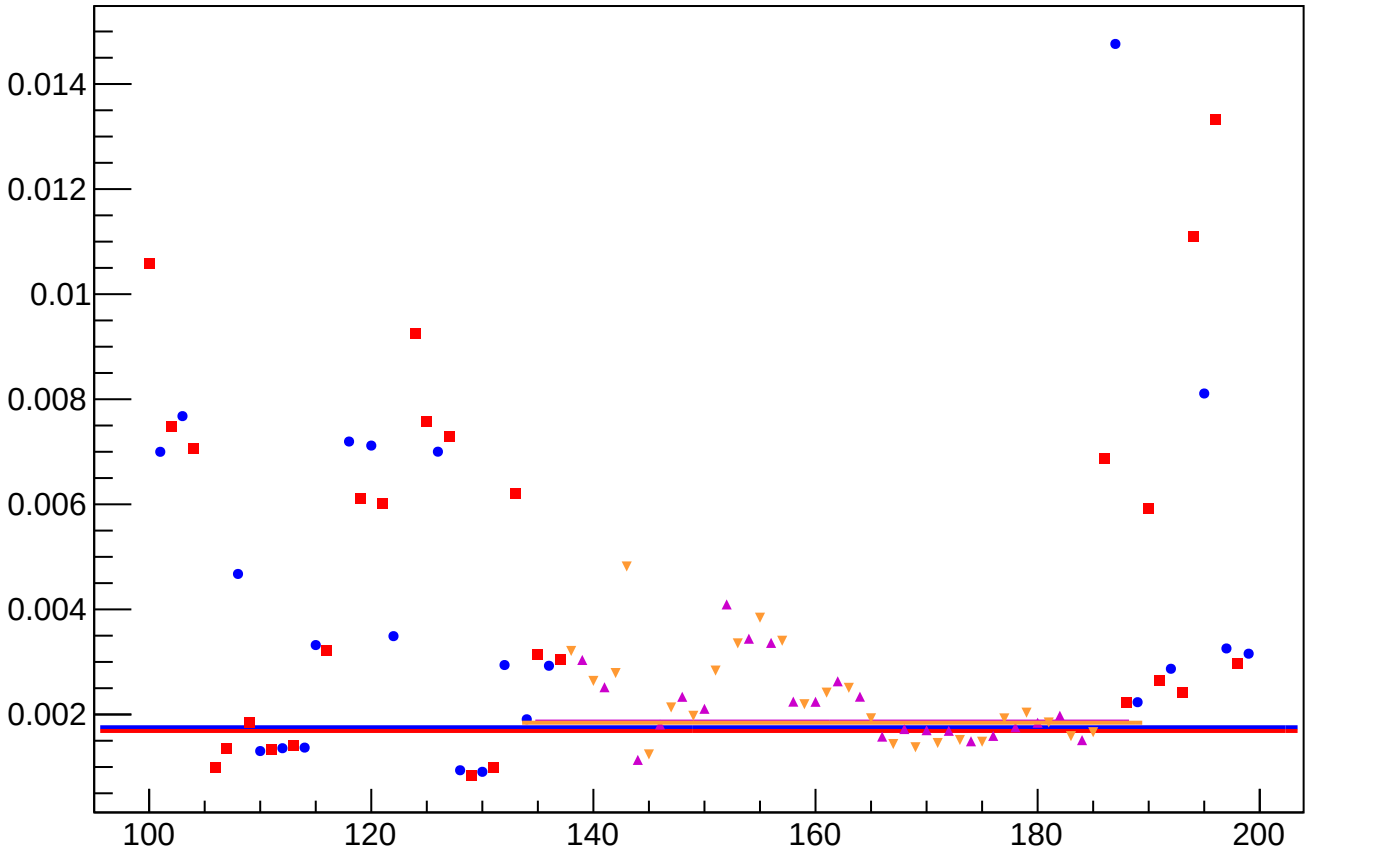
Left: 0.000+/-0.000 χ^2/NDF: 70.6/47

Right: -0.000+/-0.000 χ^2/NDF: 33.5/48

In: -0.000+/-0.000 χ^2/NDF:32.1/44

Out: 0.000+/-0.000 χ^2/NDF:73.9/51

All: -0.000+/-0.000 χ^2/NDF: 107.0/96



Right In: 0.002+/-0.000 χ^2/NDF: 7561343.1/21

Left Out: 0.002+/-0.000 χ^2/NDF:3783185.4/24

Right Out: 0.002+/-0.000 χ^2/NDF: 9834215.3/26

Left In: 0.002+/-0.000 χ^2/NDF:2794135.0/22

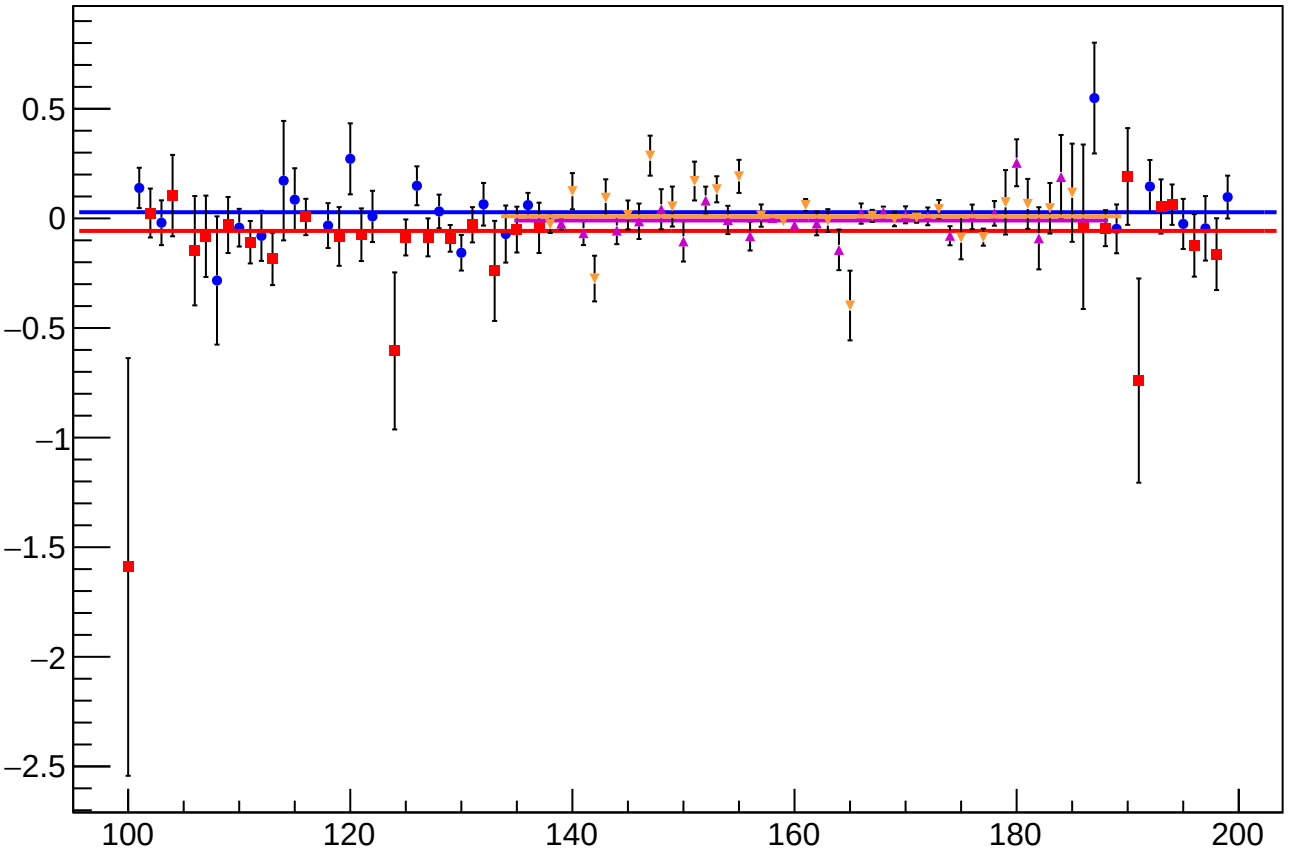
Left: 0.002+/-0.000 χ^2/NDF: 6579632.9/47

Right: 0.002+/-0.000 χ^2/NDF: 17406919.5/48

In: 0.002+/-0.000 χ^2/NDF:10390276.3/44

Out: 0.002+/-0.000 χ^2/NDF:13698522.1/51

All: 0.002+/-0.000 χ^2/NDF: 24099652.0/96



Right In: 0.028+/-0.022 χ^2/NDF: 22.2/21

Left Out: 0.010+/-0.008 χ^2/NDF:54.6/24

Right Out: -0.057+/-0.022 χ^2/NDF: 16.4/26

Left In: -0.009+/-0.008 χ^2/NDF:25.2/22

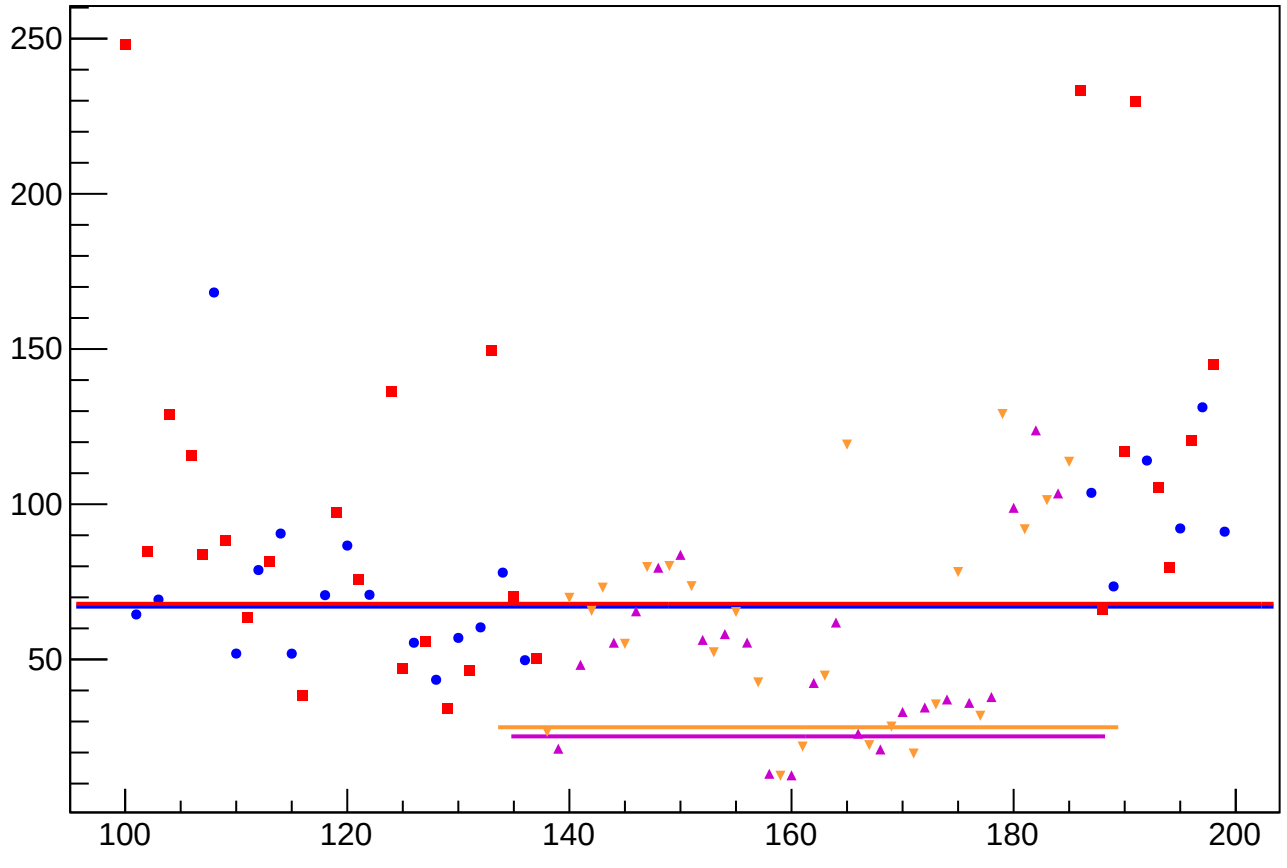
Left: -0.001+/-0.006 χ^2/NDF: 82.5/47

Right: -0.014+/-0.016 χ^2/NDF: 45.9/48

In: -0.005+/-0.007 χ^2/NDF:49.9/44

Out: 0.001+/-0.008 χ^2/NDF:78.9/51

All: -0.002+/-0.005 χ^2/NDF: 129.1/96



Right In: 67.015+/-0.016 χ^2/NDF: 1818781.7/21

Left Out: 28.150+/-0.006 χ^2/NDF:11071818.3/24

Right Out: 67.922+/-0.016 χ^2/NDF: 3822113.5/26

Left In: 25.205+/-0.006 χ^2/NDF:9964548.1/22

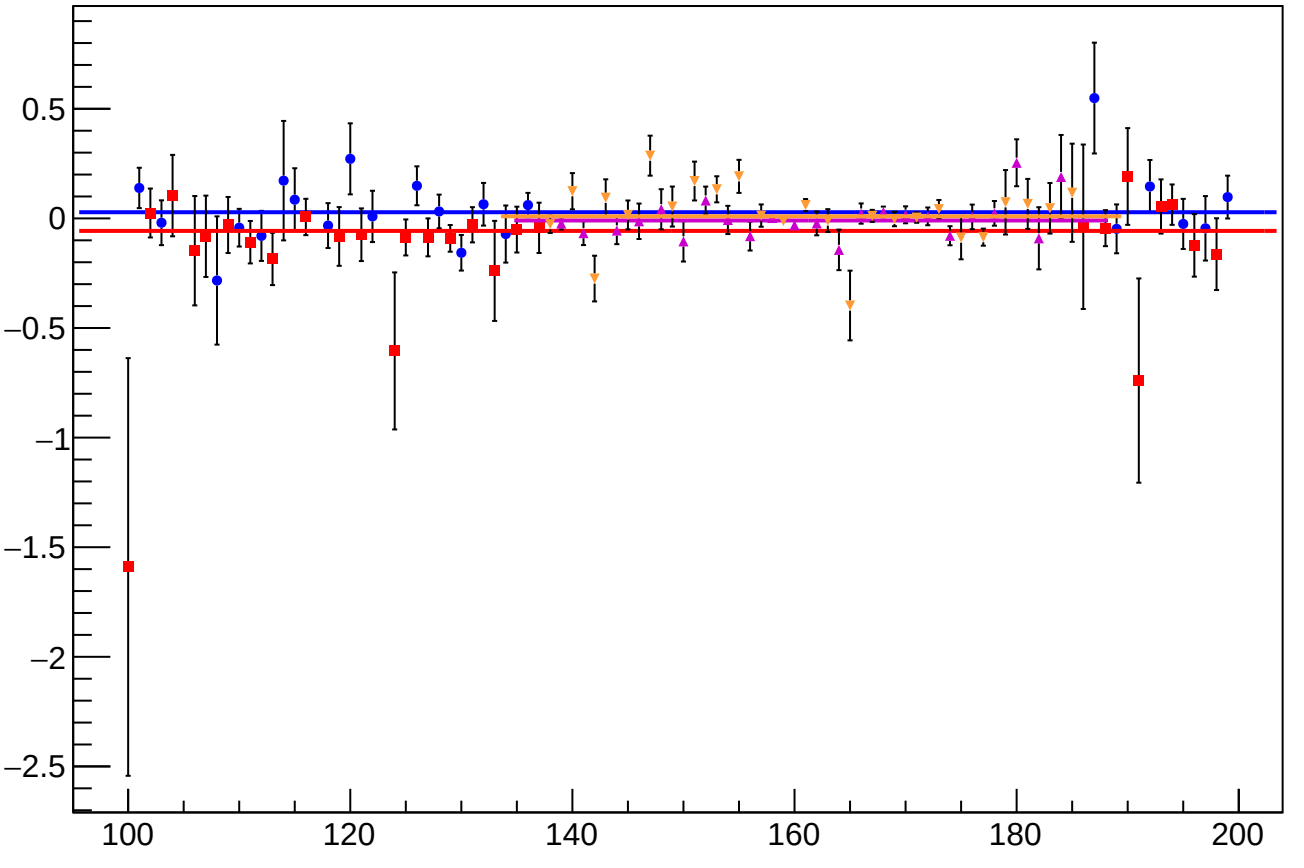
Left: 26.582+/-0.004 χ^2/NDF: 21165461.1/47

Right: 67.466+/-0.011 χ^2/NDF: 5642561.2/48

In: 29.941+/-0.005 χ^2/NDF:18090450.9/44

Out: 33.161+/-0.006 χ^2/NDF:20466841.9/51

All: 31.458+/-0.004 χ^2/NDF: 38732746.4/96



Right In: 0.028+/-0.022 χ^2/NDF: 22.2/21

Left Out: 0.010+/-0.008 χ^2/NDF:54.6/24

Right Out: -0.057+/-0.022 χ^2/NDF: 16.4/26

Left In: -0.009+/-0.008 χ^2/NDF:25.2/22

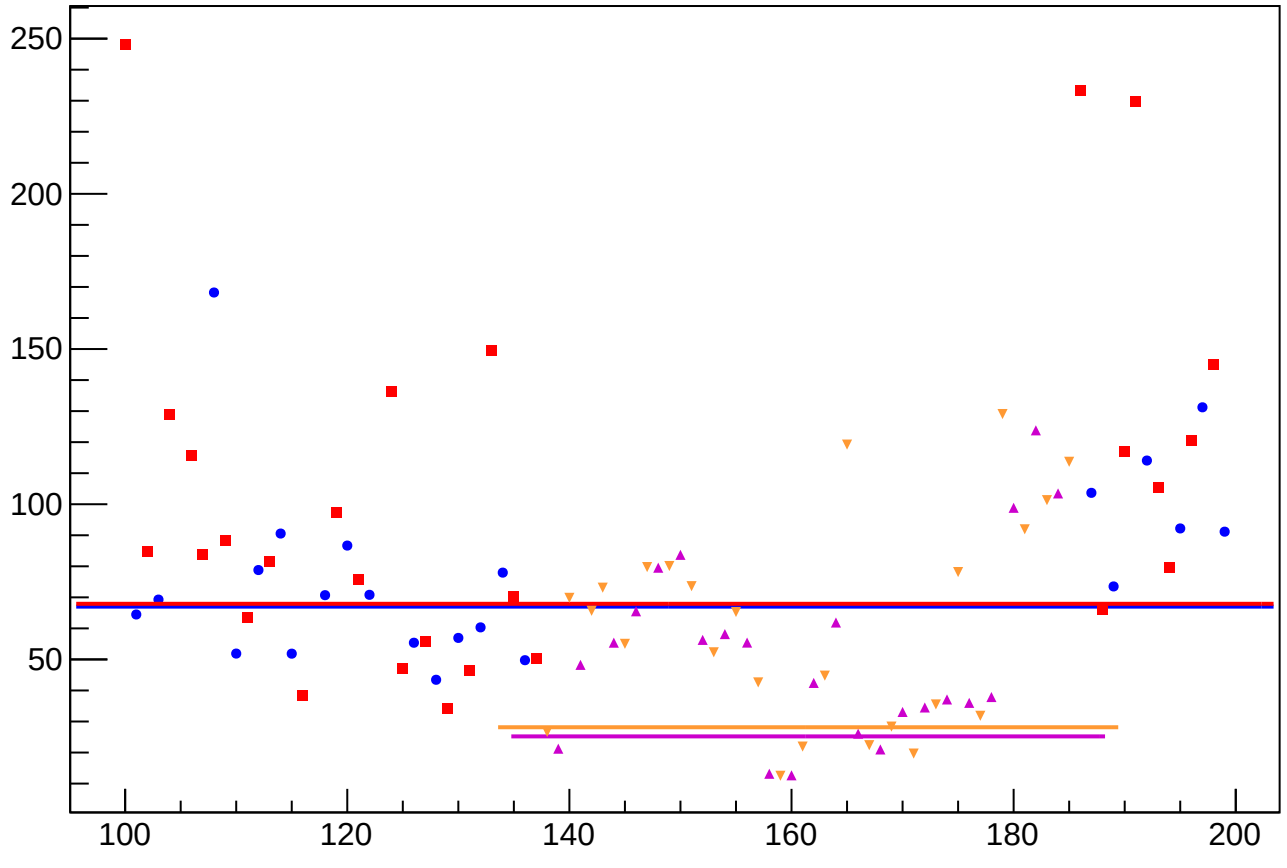
Left: -0.001+/-0.006 χ^2/NDF: 82.5/47

Right: -0.014+/-0.016 χ^2/NDF: 45.9/48

In: -0.005+/-0.007 χ^2/NDF:49.9/44

Out: 0.001+/-0.008 χ^2/NDF:78.9/51

All: -0.002+/-0.005 χ^2/NDF: 129.1/96



Right In: 67.015+/-0.016 χ^2/NDF: 1818781.7/21

Left Out: 28.150+/-0.006 χ^2/NDF:11071818.3/24

Right Out: 67.922+/-0.016 χ^2/NDF: 3822113.5/26

Left In: 25.205+/-0.006 χ^2/NDF:9964548.1/22

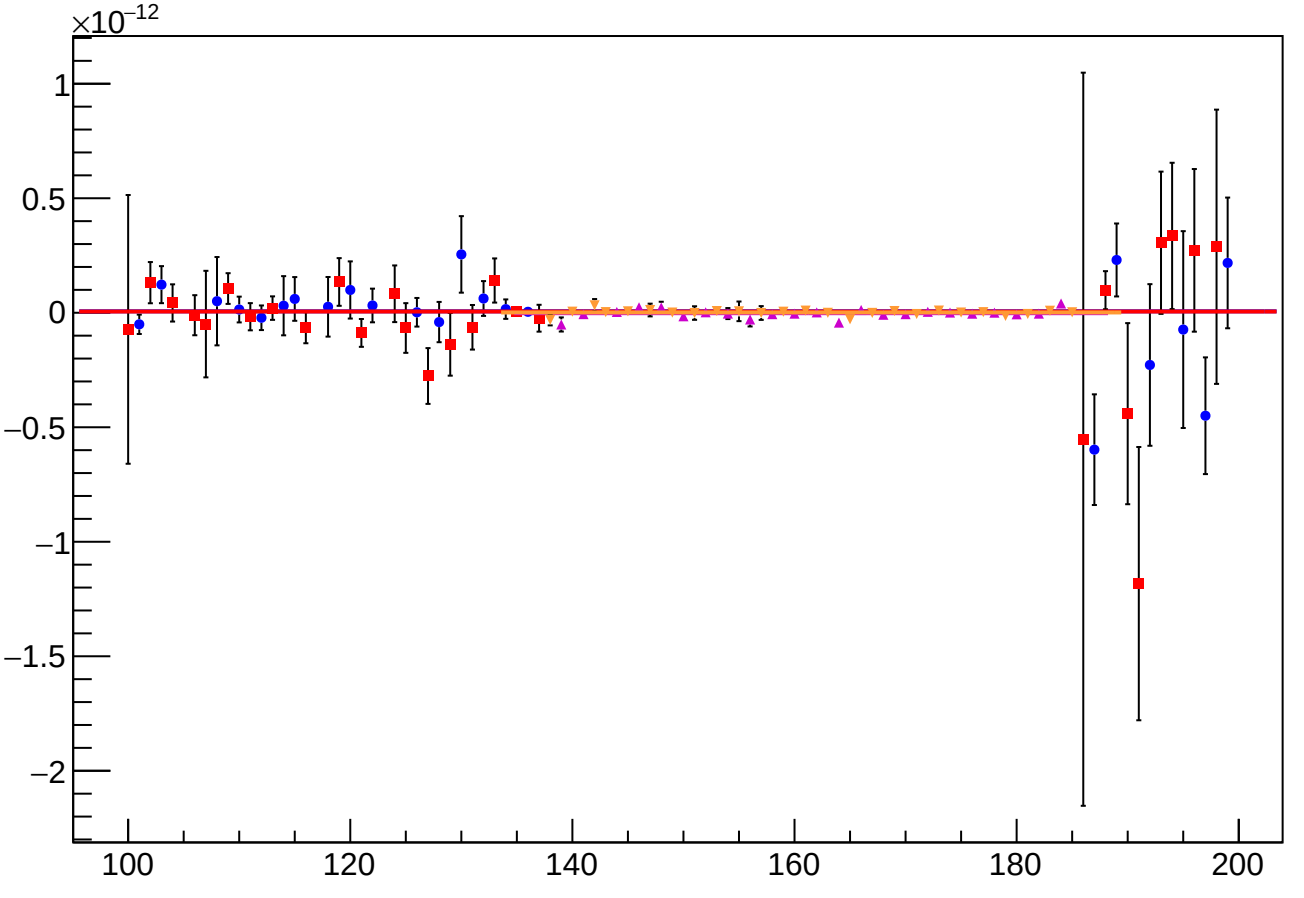
Left: 26.582+/-0.004 χ^2/NDF: 21165461.1/47

Right: 67.466+/-0.011 χ^2/NDF: 5642561.2/48

In: 29.941+/-0.005 χ^2/NDF:18090450.9/44

Out: 33.161+/-0.006 χ^2/NDF:20466841.9/51

All: 31.458+/-0.004 χ^2/NDF: 38732746.4/96



Right In: 0.000+/-0.000 χ^2/NDF: 20.8/21

Left Out: 0.000+/-0.000 χ^2/NDF:11.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 29.1/26

Left In: -0.000+/-0.000 χ^2/NDF:20.8/22

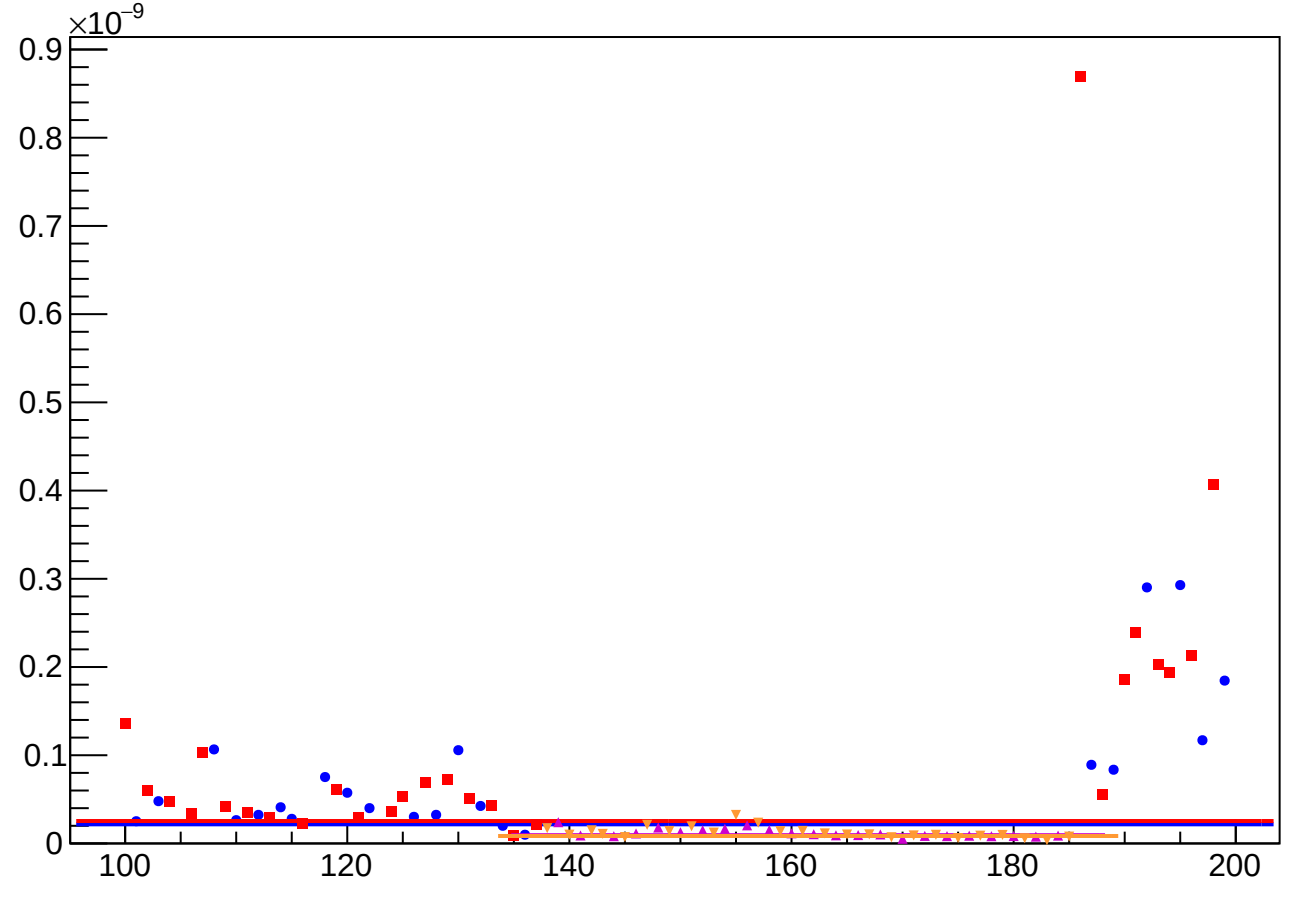
Left: -0.000+/-0.000 χ^2/NDF: 32.7/47

Right: 0.000+/-0.000 χ^2/NDF: 50.0/48

In: -0.000+/-0.000 χ^2/NDF:42.1/44

Out: 0.000+/-0.000 χ^2/NDF:40.5/51

All: 0.000+/-0.000 χ^2/NDF: 83.1/96



Right In: 0.000+/-0.000 χ^2/NDF: 6499850.2/21

Left Out: 0.000+/-0.000 χ^2/NDF:4343727.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7567398.8/26

Left In: 0.000+/-0.000 χ^2/NDF:2146041.0/22

Left: 0.000+/-0.000 χ^2/NDF: 6595432.2/47

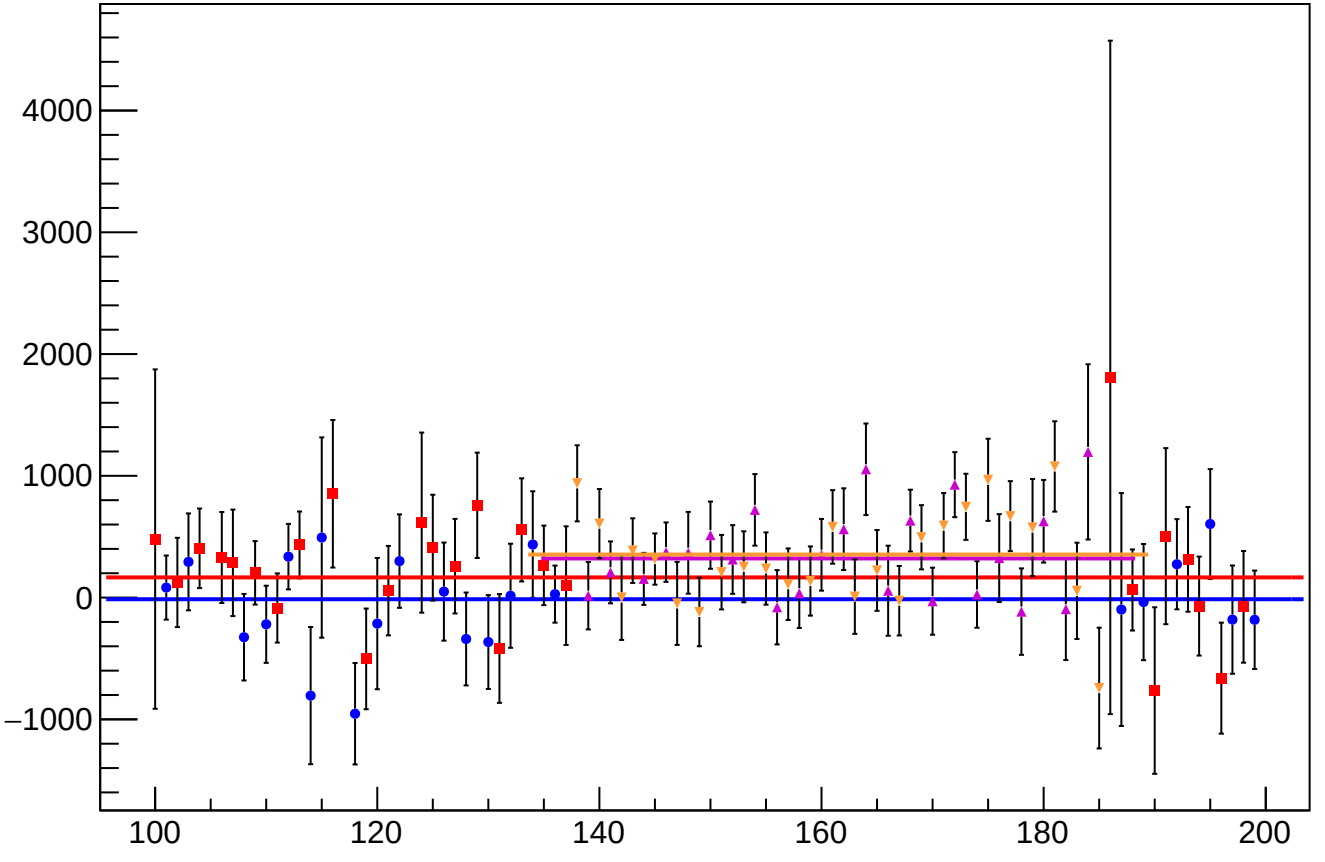
Right: 0.000+/-0.000 χ^2/NDF: 14154730.8/48

In: 0.000+/-0.000 χ^2/NDF:10605439.6/44

Out: 0.000+/-0.000 χ^2/NDF:15033825.2/51

All: 0.000+/-0.000 χ^2/NDF: 25751371.5/96

reg_asym_sam4_mean vs Slug, Sign Corrected



Right In: -13.425+/-81.475 χ^2/NDF: 17.3/21

Left Out: 353.617+/-60.149 χ^2/NDF:32.3/24

Right Out: 165.811+/-78.175 χ^2/NDF: 18.4/26

Left In: 321.510+/-62.113 χ^2/NDF:26.2/22

Left: 338.079+/-43.209 χ^2/NDF: 58.7/47

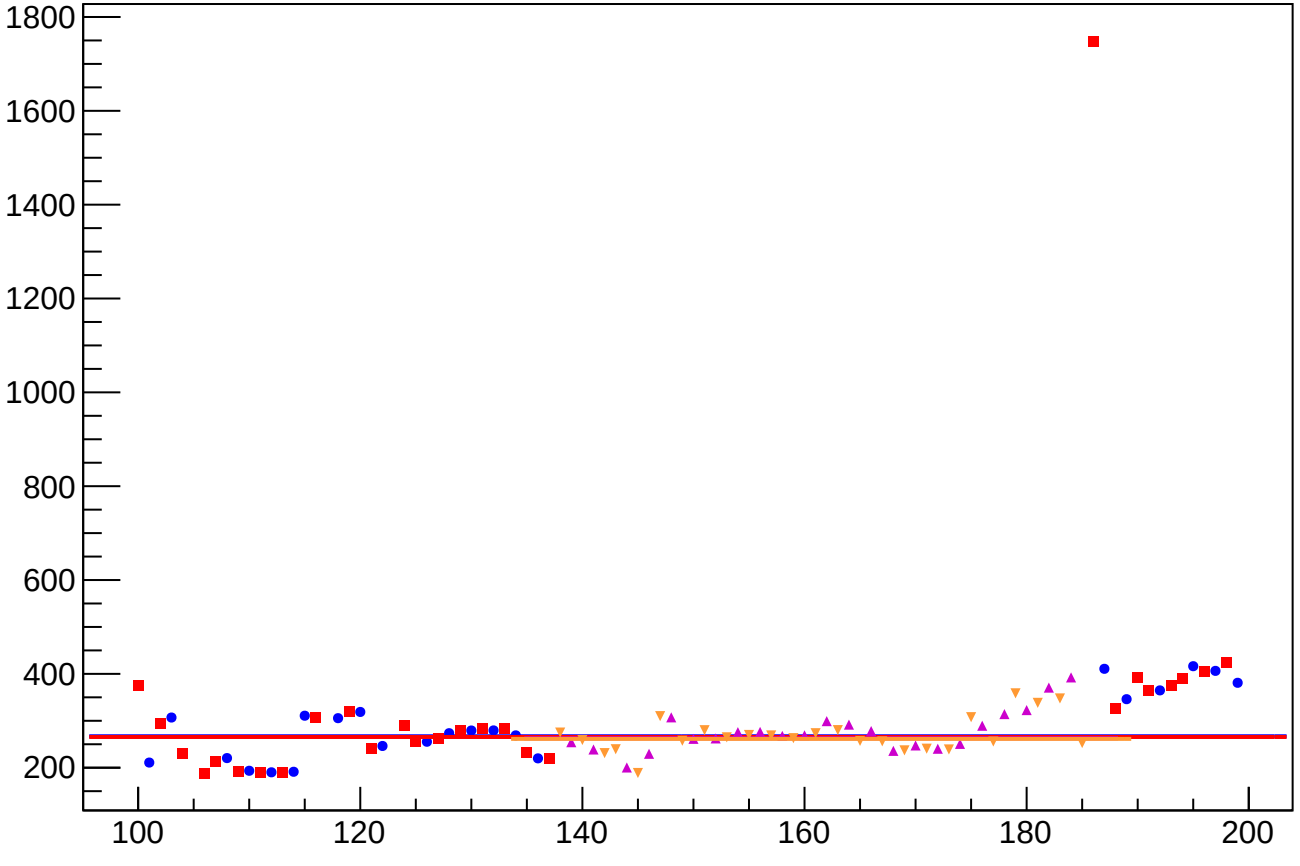
Right: 79.897+/-56.409 χ^2/NDF: 38.3/48

In: 198.400+/-49.396 χ^2/NDF:54.3/44

Out: 283.780+/-47.671 χ^2/NDF:54.4/51

All: 242.607+/-34.302 χ^2/NDF: 110.2/96

reg_asym_sam4_rms vs Slug, Sign Corrected



Right In: 266.993+/-0.058 χ^2/NDF: 1400316.9/21

Left Out: 261.470+/-0.043 χ^2/NDF:715467.9/24

Right Out: 265.508+/-0.055 χ^2/NDF: 2213318.0/26

Left In: 262.616+/-0.044 χ^2/NDF:670646.3/22

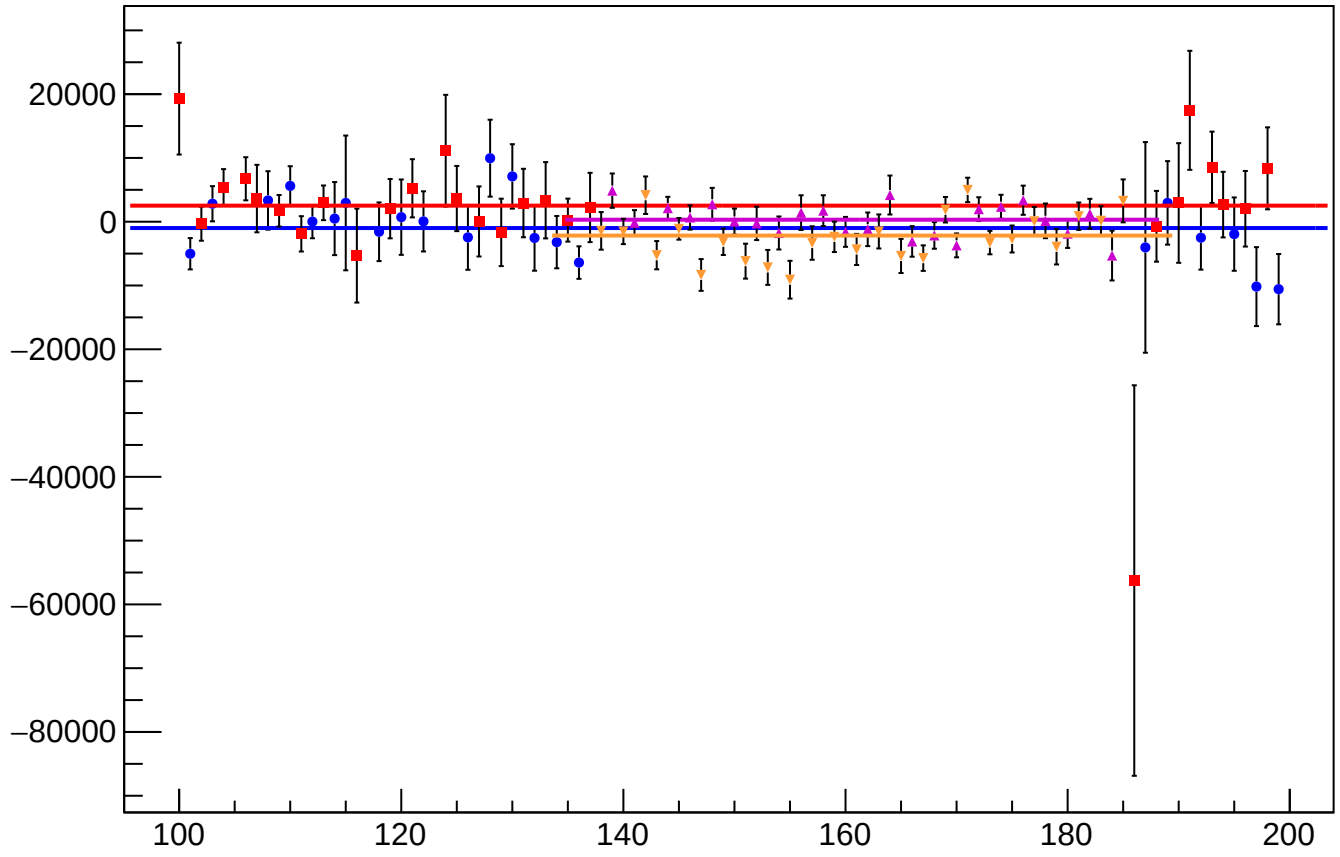
Left: 262.024+/-0.031 χ^2/NDF: 1386465.9/47

Right: 266.220+/-0.040 χ^2/NDF: 3613980.8/48

In: 264.225+/-0.035 χ^2/NDF:2074613.4/44

Out: 262.971+/-0.034 χ^2/NDF:2932138.2/51

All: 263.576+/-0.024 χ^2/NDF: 5007418.6/96



Right In: -991.774+/-887.315 χ^2/NDF: 27.2/21

Left Out: -2171.840+/-461.649 χ^2/NDF:55.5/24

Right Out: 2519.212+/-836.369 χ^2/NDF: 22.6/26

Left In: 313.739+/-474.086 χ^2/NDF:23.7/22

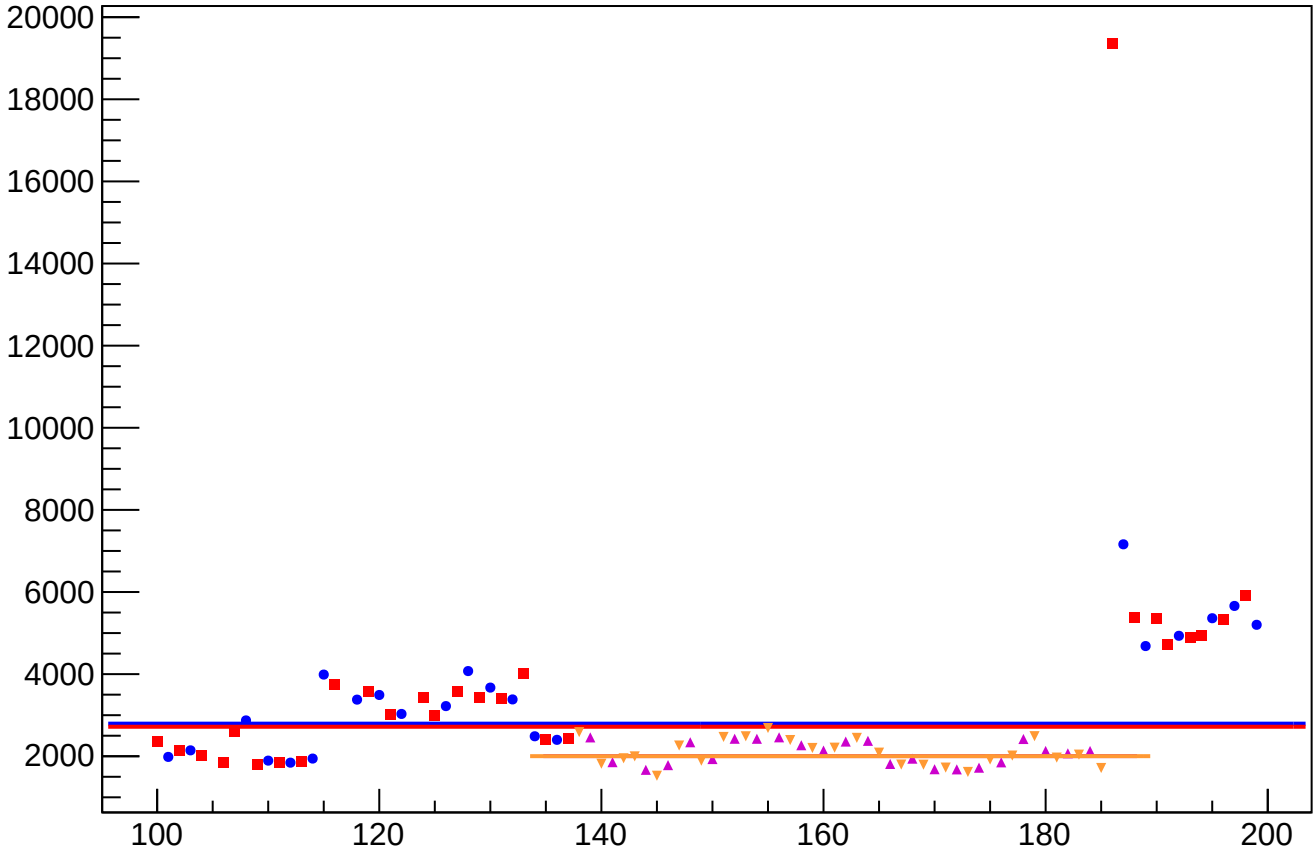
Left: -962.081+/-330.744 χ^2/NDF: 93.3/47

Right: 867.401+/-608.616 χ^2/NDF: 58.0/48

In: 23.819+/-418.144 χ^2/NDF:52.5/44

Out: -1076.377+/-404.168 χ^2/NDF:102.2/51

All: -544.974+/-290.605 χ^2/NDF: 158.3/96



Right In: 2793.728+/-0.627 χ^2/NDF: 3031590.5/21

Left Out: 2002.229+/-0.326 χ^2/NDF:892707.2/24

Right Out: 2718.417+/-0.591 χ^2/NDF: 4258255.2/26

Left In: 2004.244+/-0.335 χ^2/NDF:704919.9/22

Left: 2003.210+/-0.234 χ^2/NDF: 1597645.7/47

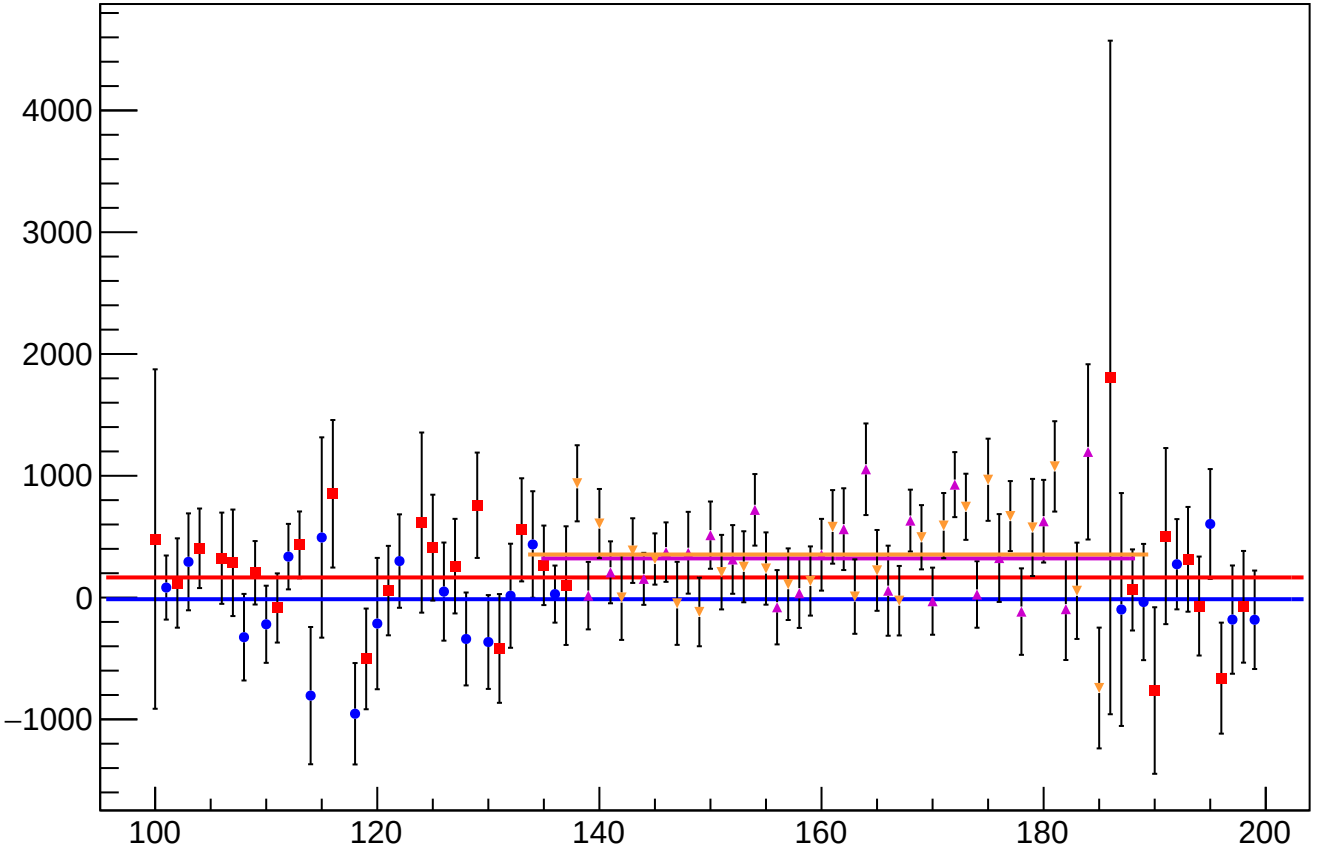
Right: 2753.849+/-0.430 χ^2/NDF: 7297475.0/48

In: 2179.568+/-0.296 χ^2/NDF:4968196.8/44

Out: 2169.475+/-0.286 χ^2/NDF:6275019.5/51

All: 2174.350+/-0.205 χ^2/NDF: 11243818.7/9

cor_asym_sam4_mean vs Slug, Sign Corrected



Right In: -13.440+/-81.475 χ^2/NDF: 17.4/21

Left Out: 353.640+/-60.149 χ^2/NDF:32.3/24

Right Out: 165.281+/-78.184 χ^2/NDF: 18.4/26

Left In: 321.514+/-62.113 χ^2/NDF:26.2/22

Left: 338.093+/-43.209 χ^2/NDF: 58.7/47

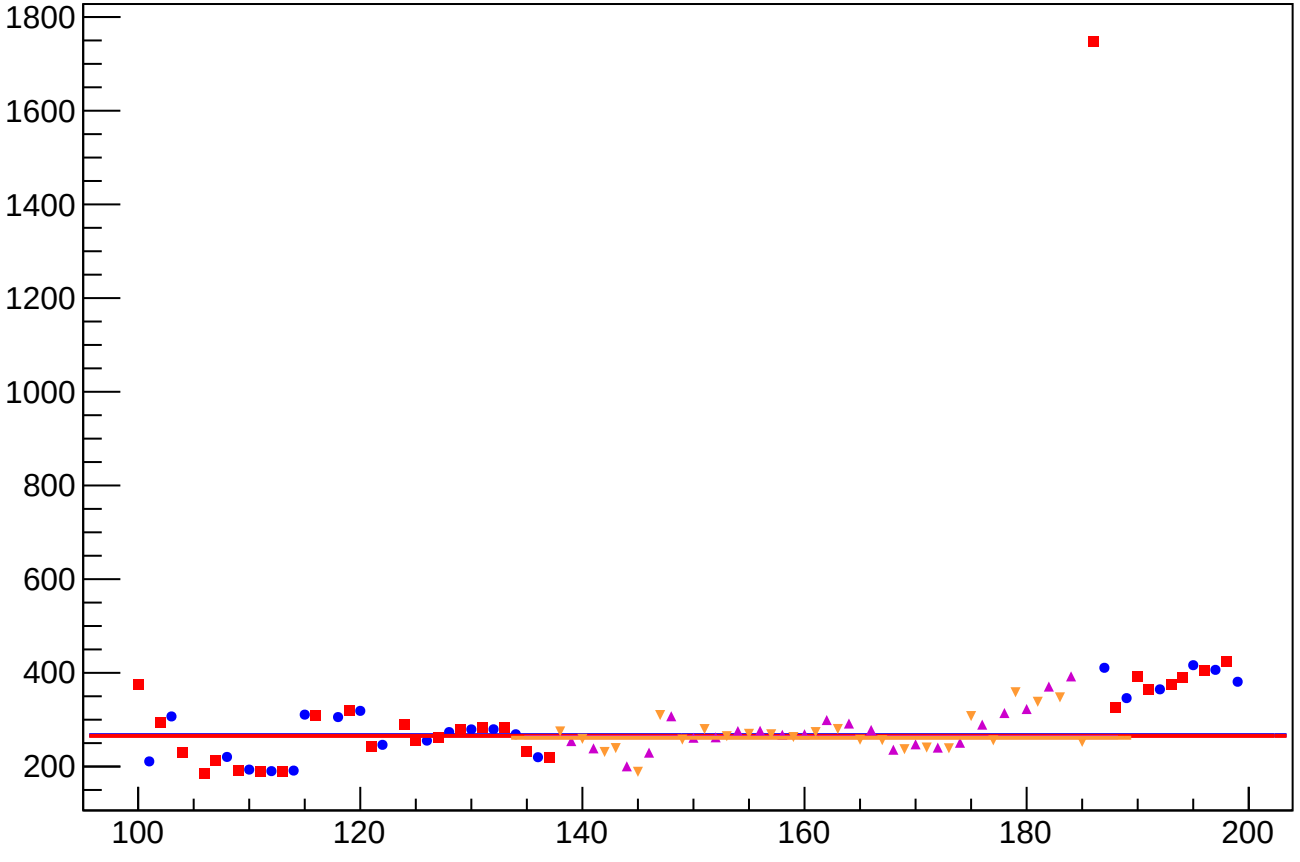
Right: 79.603+/-56.412 χ^2/NDF: 38.3/48

In: 198.398+/-49.396 χ^2/NDF:54.3/44

Out: 283.608+/-47.673 χ^2/NDF:54.4/51

All: 242.515+/-34.303 χ^2/NDF: 110.2/96

cor_asym_sam4_rms vs Slug, Sign Corrected



Right In: 266.993+/-0.058 χ^2/NDF: 1400318.4/21

Left Out: 261.470+/-0.043 χ^2/NDF:715467.9/24

Right Out: 265.419+/-0.055 χ^2/NDF: 2218697.0/26

Left In: 262.616+/-0.044 χ^2/NDF:670646.4/22

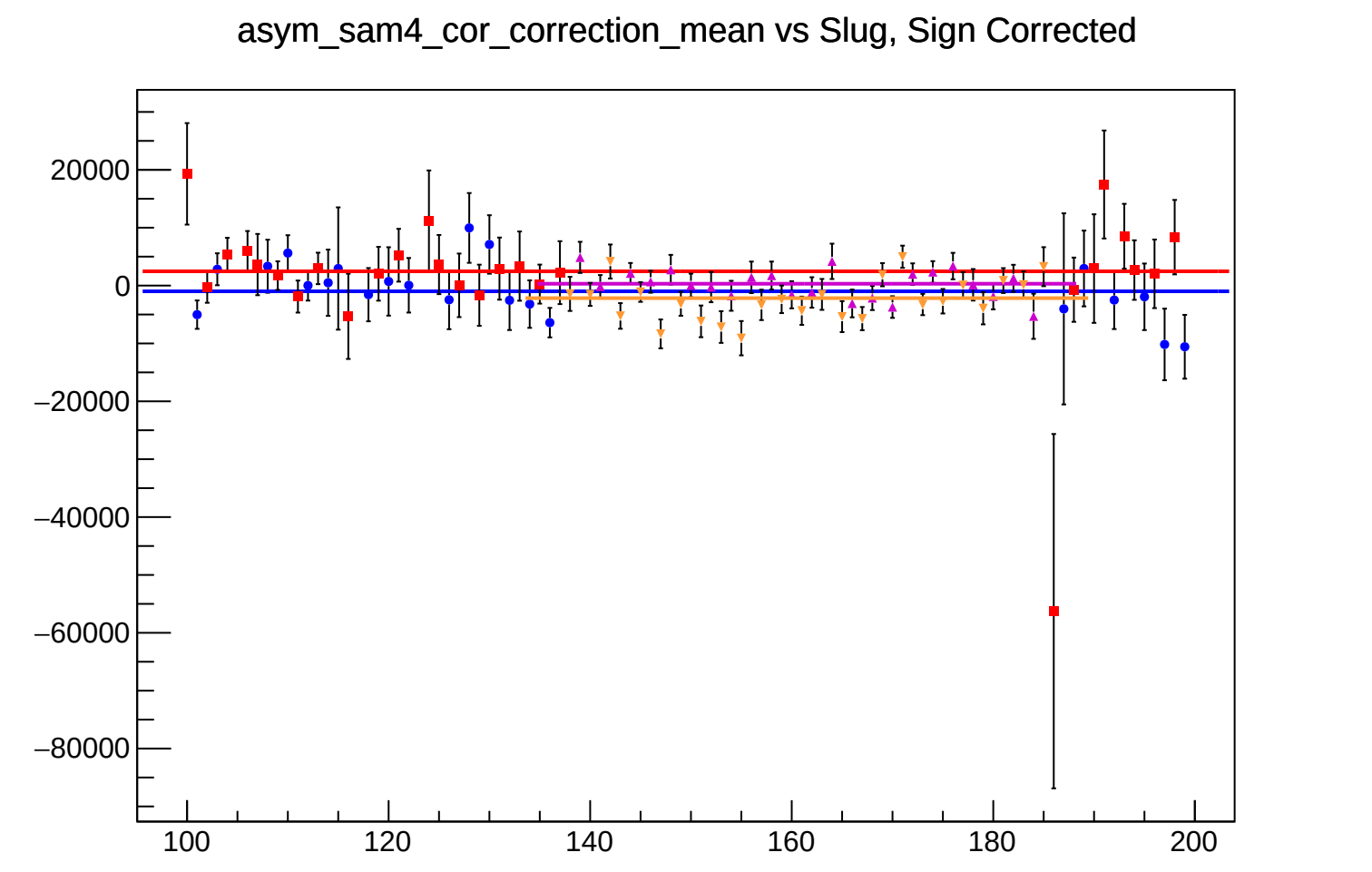
Left: 262.024+/-0.031 χ^2/NDF: 1386465.9/47

Right: 266.174+/-0.040 χ^2/NDF: 3619403.9/48

In: 264.225+/-0.035 χ^2/NDF:2074615.1/44

Out: 262.938+/-0.034 χ^2/NDF:2937371.2/51

All: 263.559+/-0.024 χ^2/NDF: 5012689.1/96



Right In: -991.931+/-887.322 χ^2/NDF: 27.2/21

Left Out: -2171.811+/-461.649 χ^2/NDF:55.5/24

Right Out: 2461.450+/-837.752 χ^2/NDF: 22.0/26

Left In: 313.745+/-474.086 χ^2/NDF:23.7/22

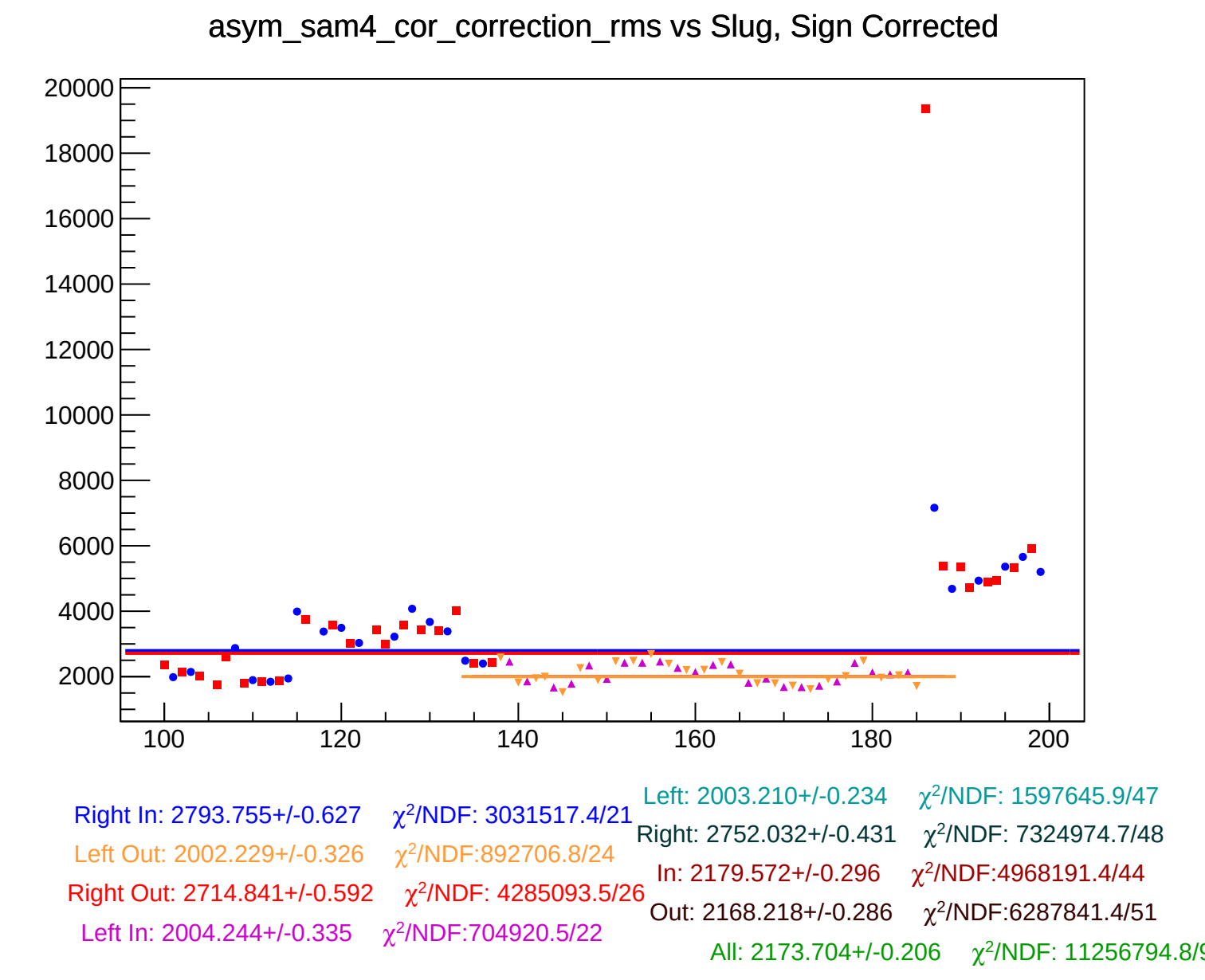
Left: -962.064+/-330.745 χ^2/NDF: 93.3/47

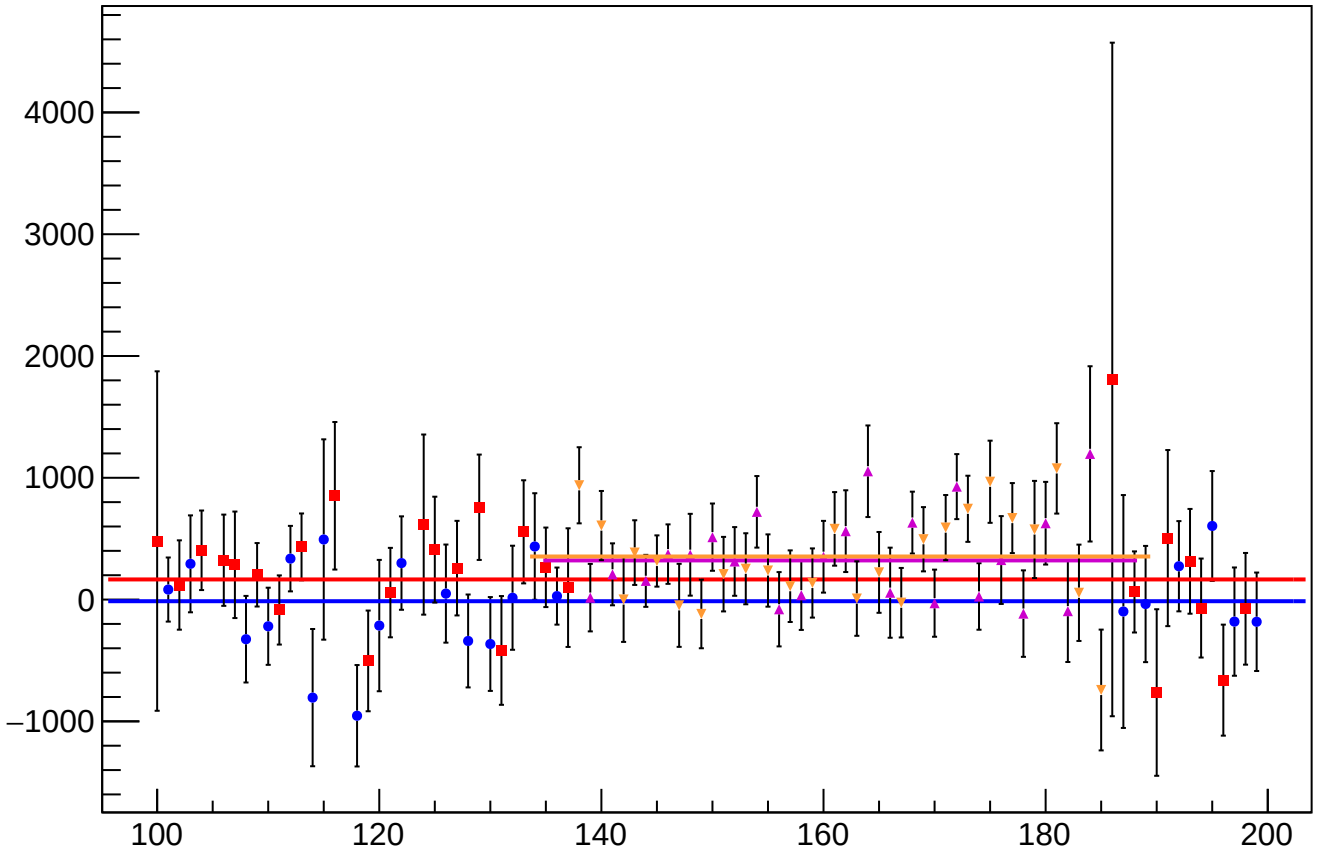
Right: 833.910+/-609.151 χ^2/NDF: 57.1/48

In: 23.792+/-418.145 χ^2/NDF:52.5/44

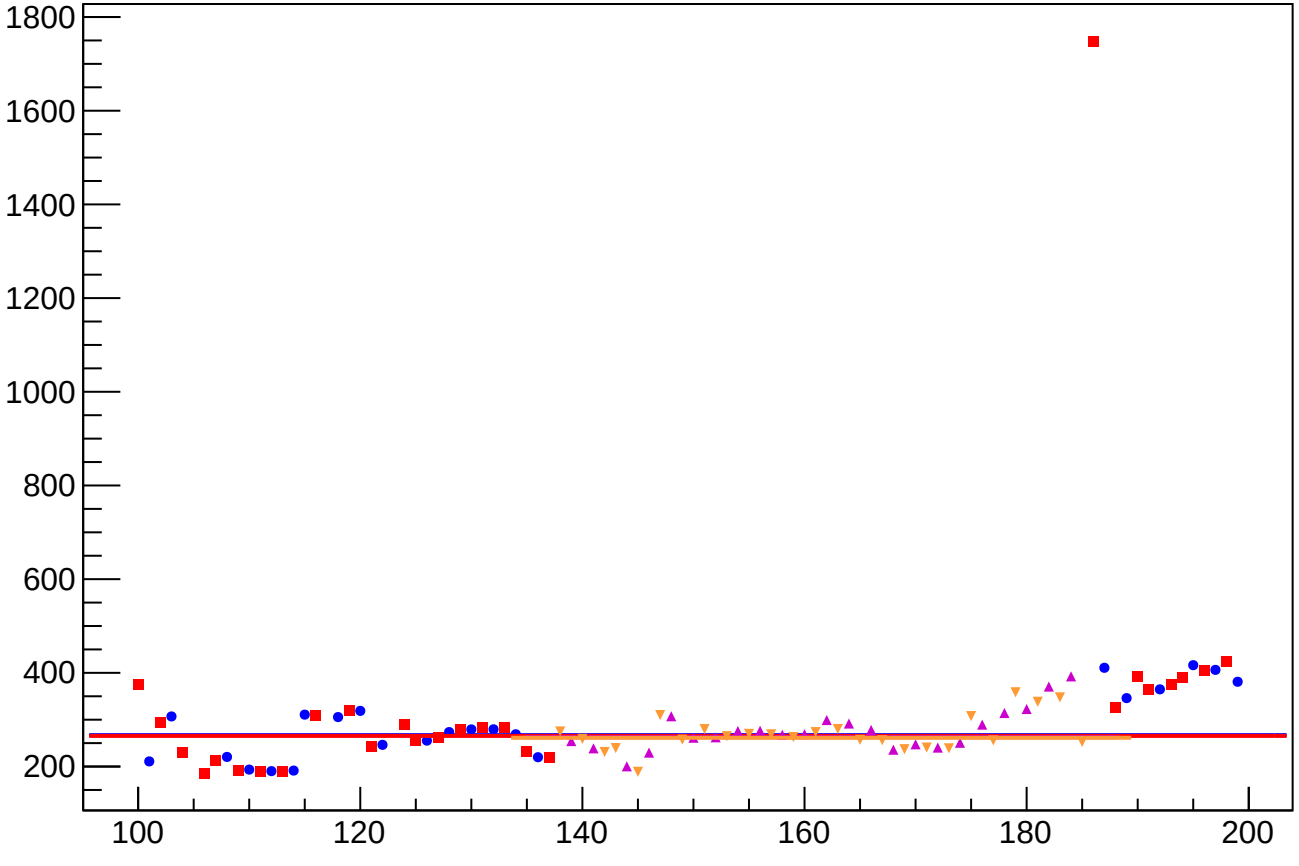
Out: -1092.582+/-404.324 χ^2/NDF:100.9/51

All: -553.151+/-290.663 χ^2/NDF: 157.1/96


asym_sam4_cor_correction_rms vs Slug, Sign Corrected
20000
18000
16000
14000
12000
10000
8000
6000
4000
2000
100
120
140
160
180
200
Right In: 2793.755+/-0.627 χ²/NDF: 3031517.4/21
Left Out: 2002.229+/-0.326 χ²/NDF:892706.8/24
Right Out: 2714.841+/-0.592 χ²/NDF: 4285093.5/26
Left In: 2004.244+/-0.335 χ²/NDF:704920.5/22
Left: 2003.210+/-0.234 χ²/NDF: 1597645.9/47
Right: 2752.032+/-0.431 χ²/NDF: 7324974.7/48
In: 2179.572+/-0.296 χ²/NDF:4968191.4/44
Out: 2168.218+/-0.286 χ²/NDF:6287841.4/51
All: 2173.704+/-0.206 χ²/NDF: 11256794.8/9


eigen_cor_asym_sam4_mean vs Slug, Sign Corrected
4000
3000
2000
1000
0
−1000
100
120
140
160
180
200
Right In: -13.440+/-81.475 χ²/NDF: 17.4/21
Left Out: 353.640+/-60.149 χ²/NDF:32.3/24
Right Out: 165.281+/-78.184 χ²/NDF: 18.4/26
Left In: 321.514+/-62.113 χ²/NDF:26.2/22
Left: 338.093+/-43.209 χ²/NDF: 58.7/47
Right: 79.603+/-56.412 χ²/NDF: 38.3/48
In: 198.398+/-49.396 χ²/NDF:54.3/44
Out: 283.608+/-47.673 χ²/NDF:54.4/51
All: 242.515+/-34.303 χ²/NDF: 110.2/96

eigen_cor_asym_sam4_rms vs Slug, Sign Corrected



Right In: 266.993+/-0.058 χ^2/NDF: 1400318.4/21

Left Out: 261.470+/-0.043 χ^2/NDF:715467.9/24

Right Out: 265.419+/-0.055 χ^2/NDF: 2218697.0/26

Left In: 262.616+/-0.044 χ^2/NDF:670646.4/22

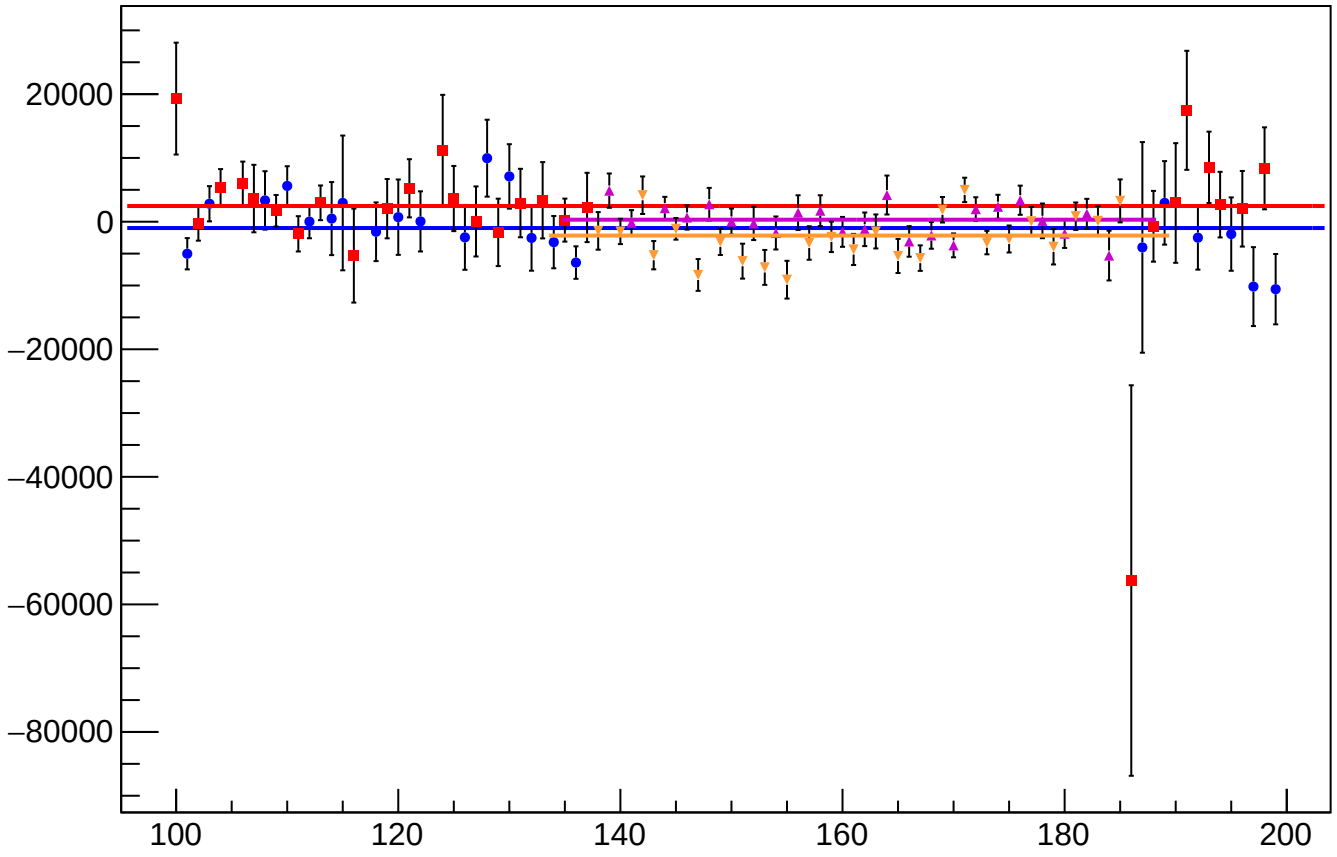
Left: 262.024+/-0.031 χ^2/NDF: 1386465.9/47

Right: 266.174+/-0.040 χ^2/NDF: 3619403.9/48

In: 264.225+/-0.035 χ^2/NDF:2074615.1/44

Out: 262.938+/-0.034 χ^2/NDF:2937371.2/51

All: 263.559+/-0.024 χ^2/NDF: 5012689.1/96



Right In: -991.931+/-887.322 χ^2/NDF: 27.2/21

Left Out: -2171.811+/-461.649 χ^2/NDF:55.5/24

Right Out: 2461.450+/-837.752 χ^2/NDF: 22.0/26

Left In: 313.745+/-474.086 χ^2/NDF:23.7/22

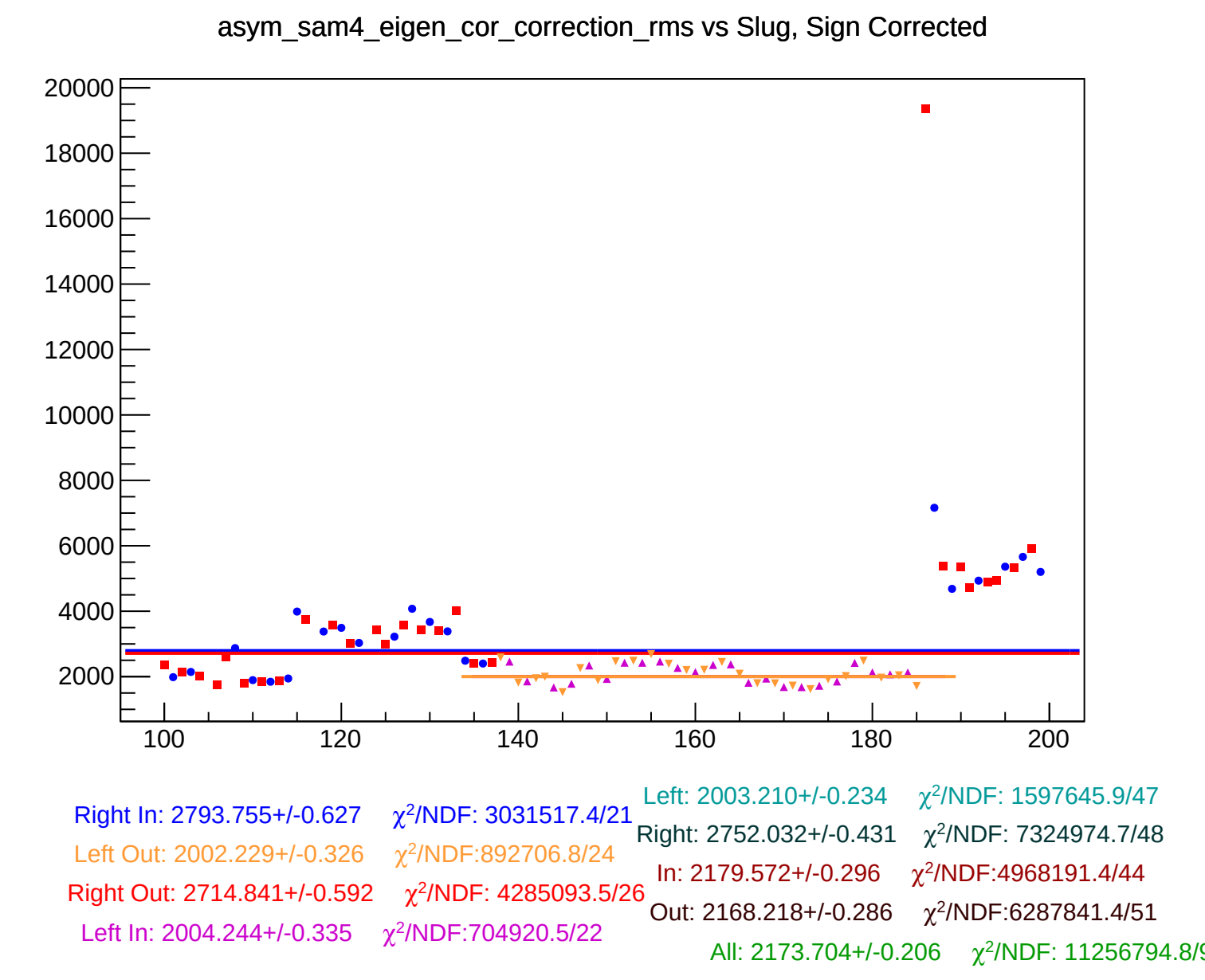
Left: -962.064+/-330.745 χ^2/NDF: 93.3/47

Right: 833.910+/-609.151 χ^2/NDF: 57.1/48

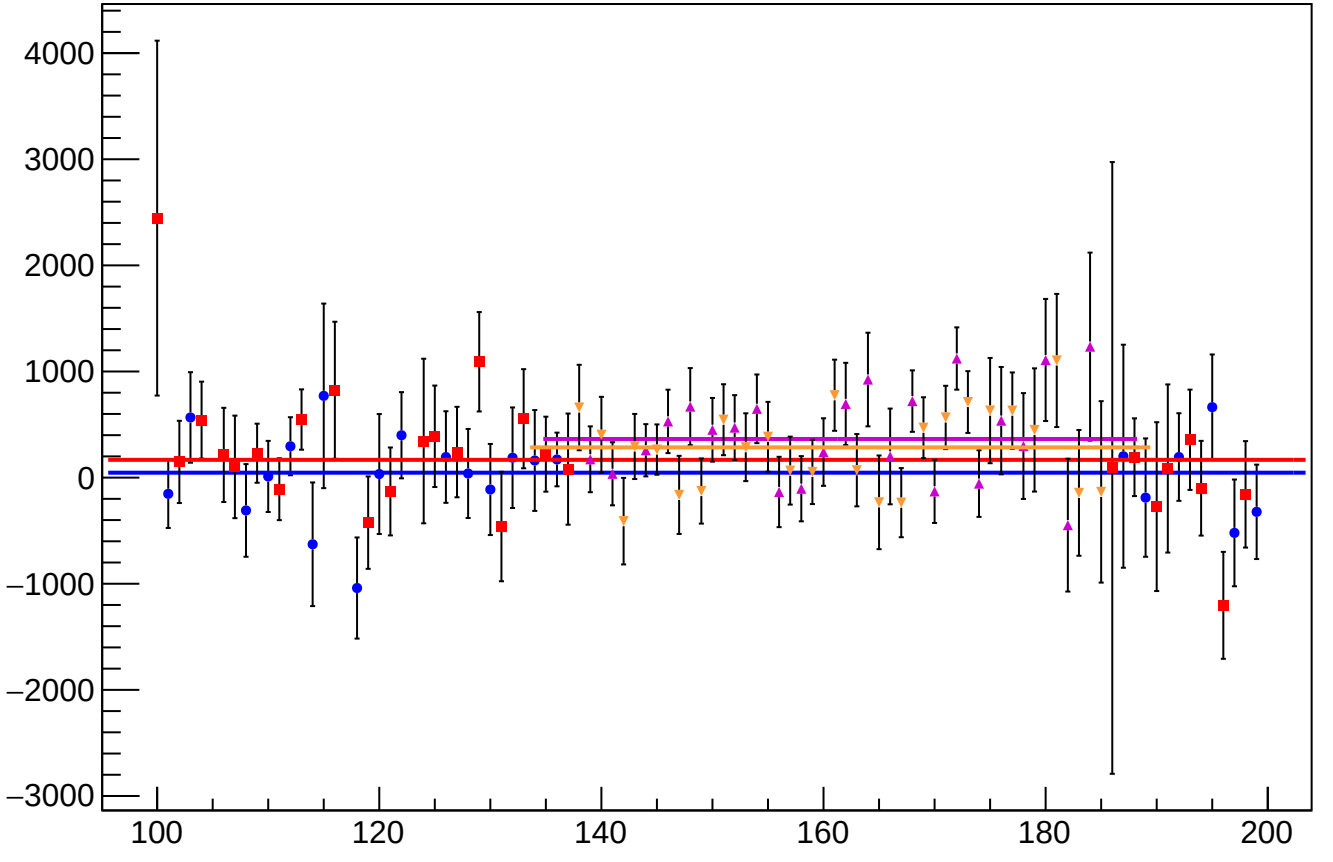
In: 23.792+/-418.145 χ^2/NDF:52.5/44

Out: -1092.582+/-404.324 χ^2/NDF:100.9/51

All: -553.151+/-290.663 χ^2/NDF: 157.1/96


asym_sam4_eigen_cor_correction_rms vs Slug, Sign Corrected
20000
18000
16000
14000
12000
10000
8000
6000
4000
2000
100
120
140
160
180
200
Right In: 2793.755+/-0.627 χ²/NDF: 3031517.4/21
Left Out: 2002.229+/-0.326 χ²/NDF:892706.8/24
Right Out: 2714.841+/-0.592 χ²/NDF: 4285093.5/26
Left In: 2004.244+/-0.335 χ²/NDF:704920.5/22
Left: 2003.210+/-0.234 χ²/NDF: 1597645.9/47
Right: 2752.032+/-0.431 χ²/NDF: 7324974.7/48
In: 2179.572+/-0.296 χ²/NDF:4968191.4/44
Out: 2168.218+/-0.286 χ²/NDF:6287841.4/51
All: 2173.704+/-0.206 χ²/NDF: 11256794.8/9

dit_asym_sam4_mean vs Slug, Sign Corrected



Right In: 46.445+/-89.581 χ^2/NDF: 15.8/21

Left Out: 284.913+/-70.036 χ^2/NDF:22.8/24

Right Out: 167.635+/-84.874 χ^2/NDF: 24.2/26

Left In: 364.163+/-71.714 χ^2/NDF:28.2/22

Left: 323.600+/-50.106 χ^2/NDF: 51.7/47

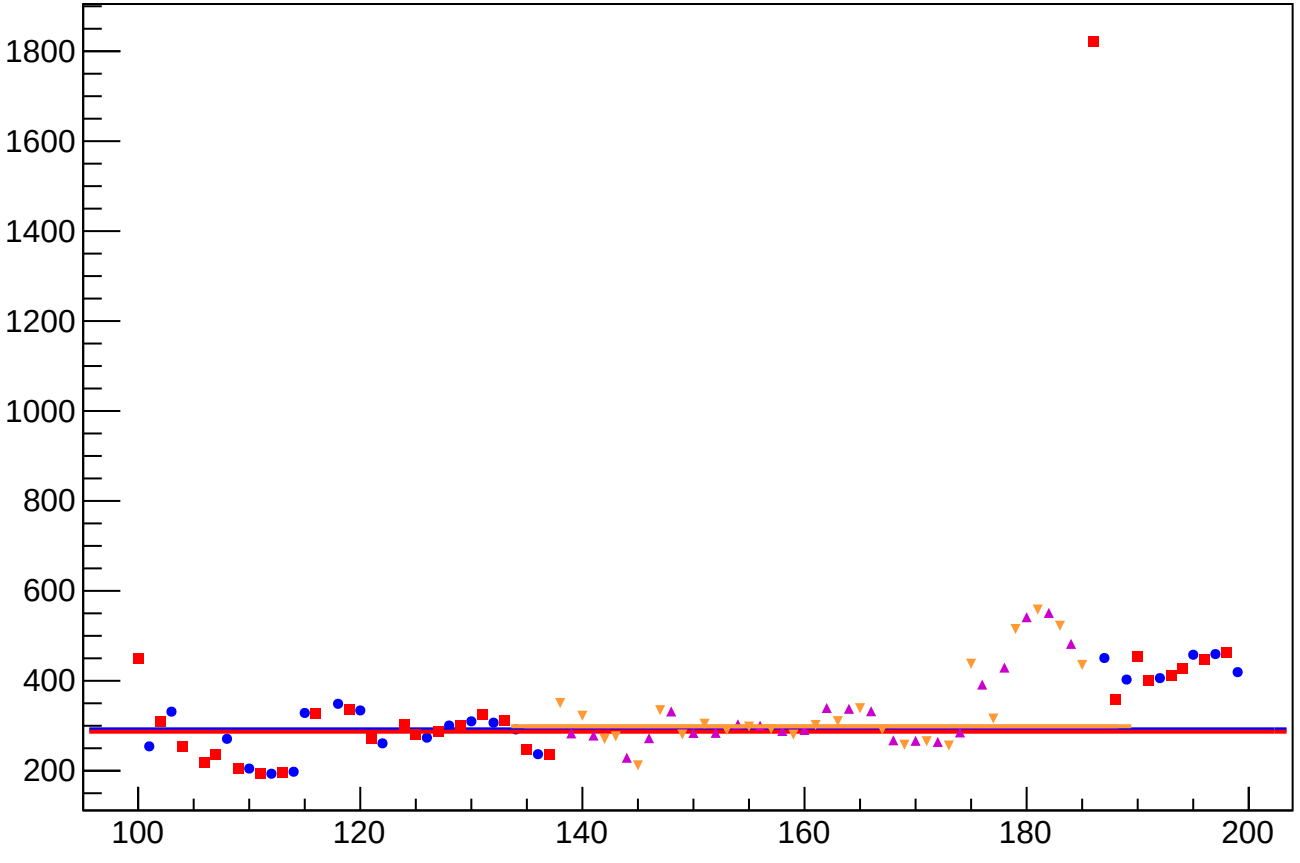
Right: 110.308+/-61.612 χ^2/NDF: 41.0/48

In: 240.072+/-55.984 χ^2/NDF:51.7/44

Out: 237.405+/-54.019 χ^2/NDF:48.1/51

All: 238.691+/-38.873 χ^2/NDF: 99.8/96

dit_asym_sam4_rms vs Slug, Sign Corrected



Right In: 292.069+/-0.063 χ^2/NDF: 1542865.6/21

Left Out: 298.938+/-0.050 χ^2/NDF:1613077.3/24

Right Out: 286.805+/-0.060 χ^2/NDF: 2356681.4/26

Left In: 297.885+/-0.051 χ^2/NDF:1319062.0/22

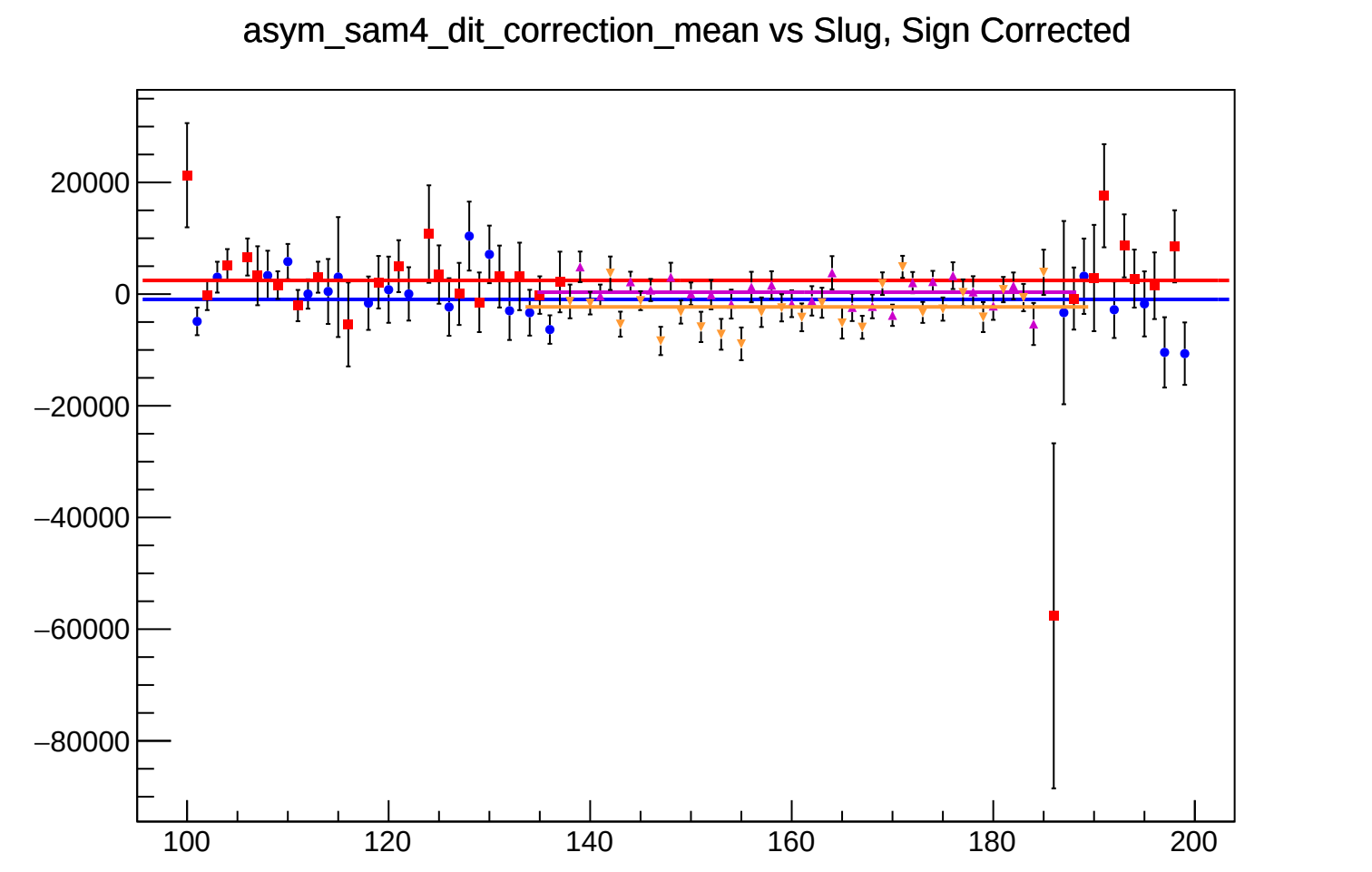
Left: 298.424+/-0.035 χ^2/NDF: 2932359.8/47

Right: 289.295+/-0.044 χ^2/NDF: 3903185.3/48

In: 295.613+/-0.040 χ^2/NDF:2867066.2/44

Out: 294.023+/-0.038 χ^2/NDF:3994071.3/51

All: 294.790+/-0.027 χ^2/NDF: 6861973.3/96



Right In: -950.591+/-895.302 χ^2/NDF: 27.3/21

Left Out: -2290.992+/-470.518 χ^2/NDF:51.7/24

Right Out: 2449.108+/-842.659 χ^2/NDF: 23.0/26

Left In: 342.609+/-483.605 χ^2/NDF:22.8/22

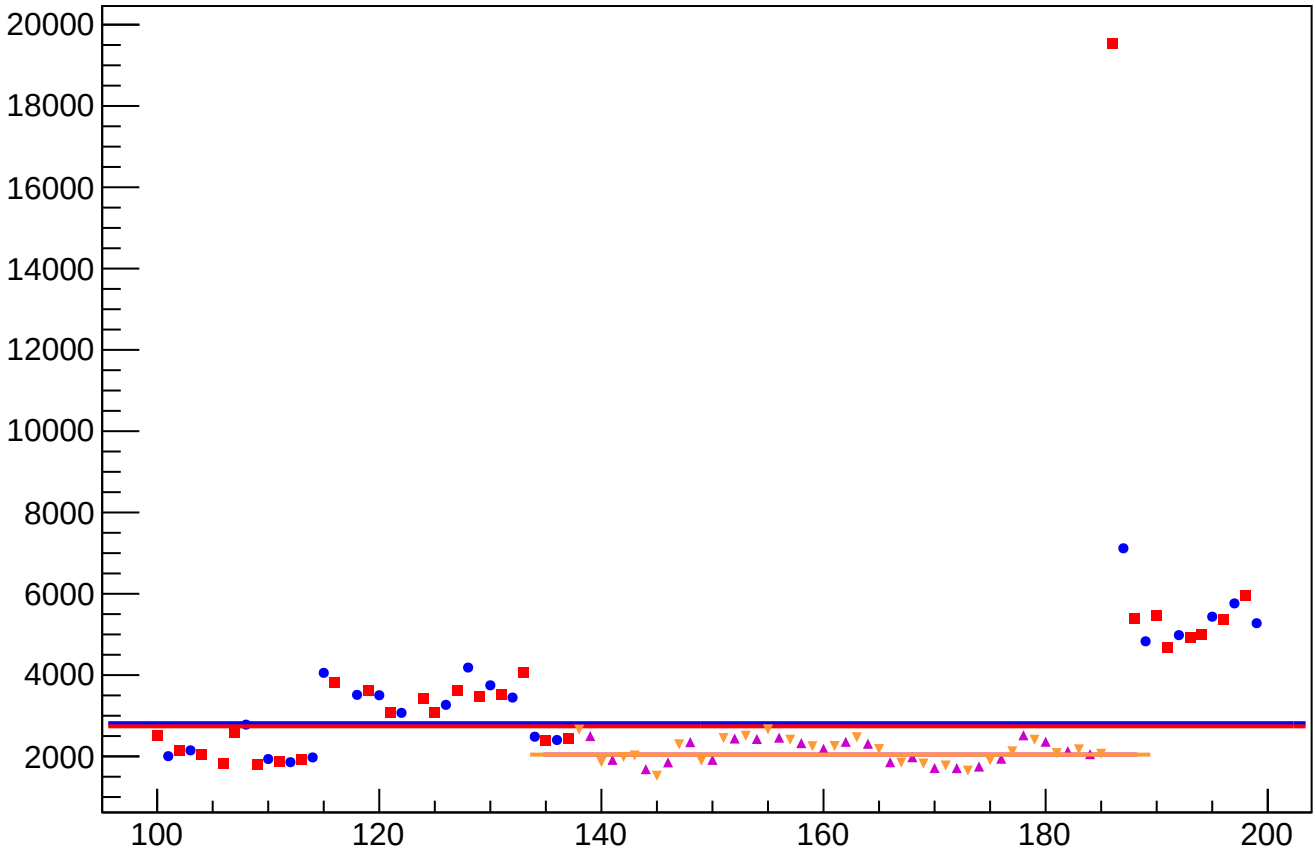
Left: -1010.309+/-337.238 χ^2/NDF: 89.7/47

Right: 852.143+/-613.617 χ^2/NDF: 58.0/48

In: 50.515+/-425.498 χ^2/NDF:51.8/44

Out: -1164.379+/-410.814 χ^2/NDF:98.8/51

All: -578.257+/-295.544 χ^2/NDF: 154.8/96



Right In: 2816.721+/-0.633 χ^2/NDF: 3084424.3/21

Left Out: 2043.746+/-0.333 χ^2/NDF:853391.4/24

Right Out: 2739.408+/-0.596 χ^2/NDF: 4280910.6/26

Left In: 2045.178+/-0.342 χ^2/NDF:690219.7/22

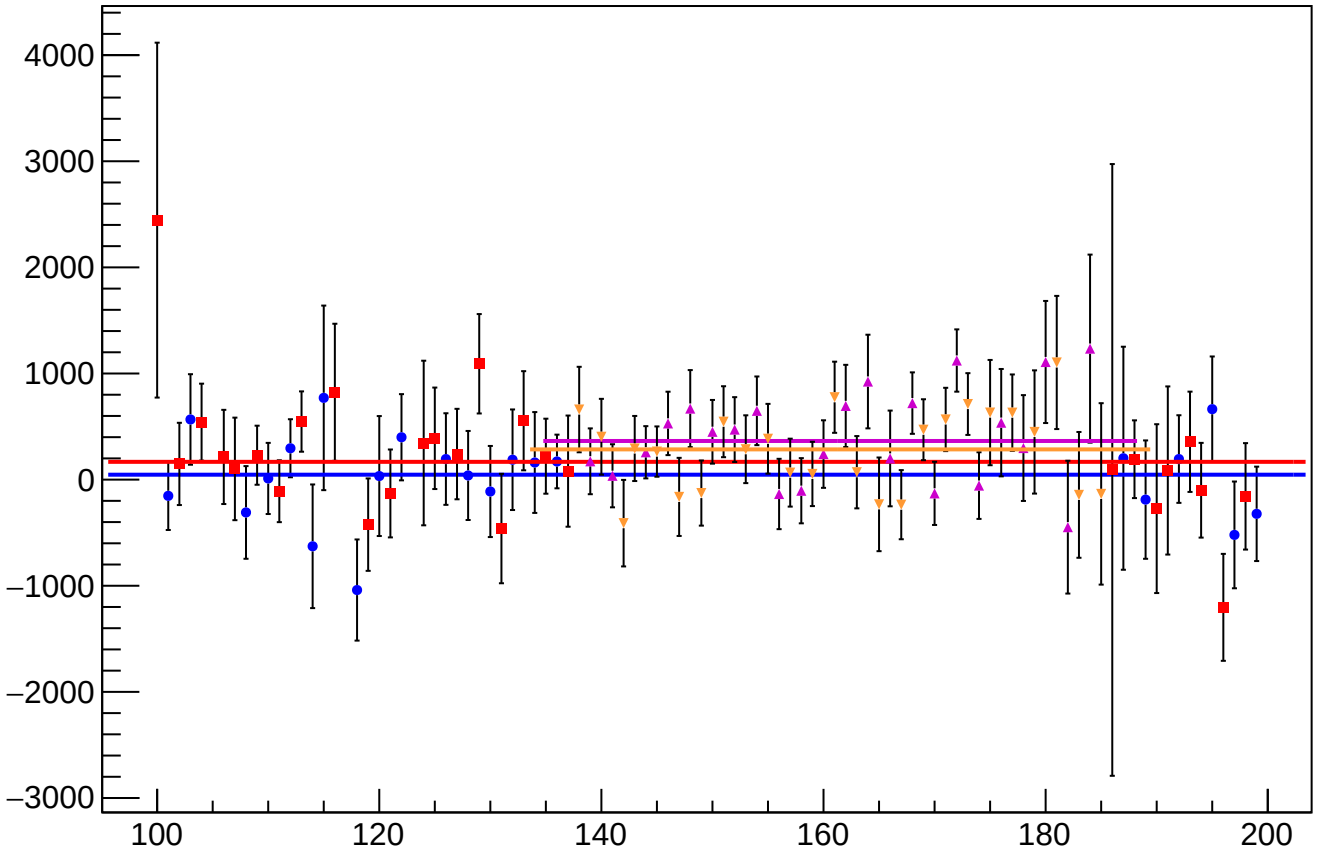
Left: 2044.442+/-0.238 χ^2/NDF: 1543620.1/47

Right: 2775.725+/-0.434 χ^2/NDF: 7373243.2/48

In: 2219.446+/-0.301 χ^2/NDF:4924450.1/44

Out: 2209.088+/-0.290 χ^2/NDF:6173414.3/51

All: 2214.085+/-0.209 χ^2/NDF: 11098477.7/9



Right In: 46.450+/-89.581 χ^2/NDF: 15.8/21

Left Out: 284.918+/-70.036 χ^2/NDF:22.8/24

Right Out: 167.634+/-84.874 χ^2/NDF: 24.2/26

Left In: 364.164+/-71.714 χ^2/NDF:28.2/22

Left: 323.603+/-50.106 χ^2/NDF: 51.7/47

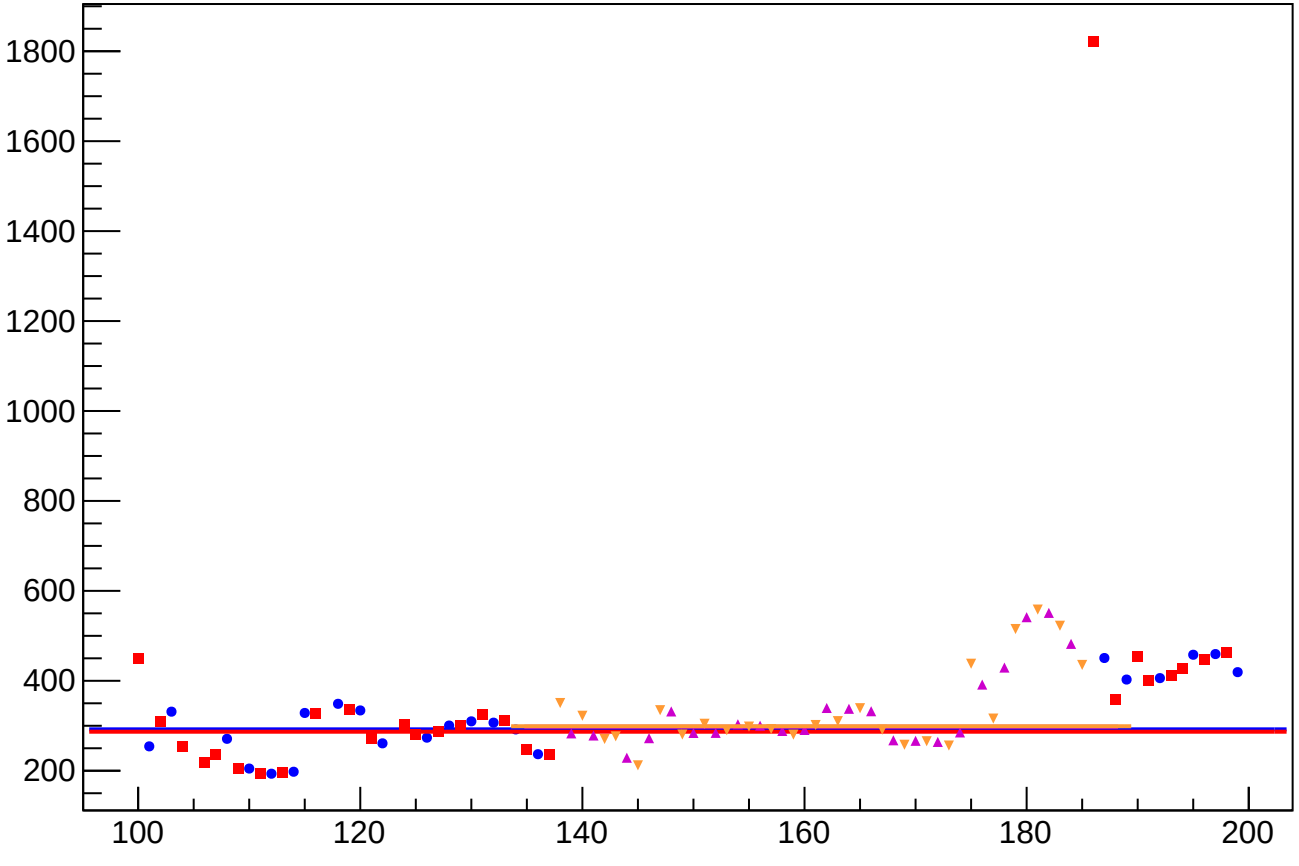
Right: 110.309+/-61.612 χ^2/NDF: 41.0/48

In: 240.074+/-55.984 χ^2/NDF:51.7/44

Out: 237.407+/-54.019 χ^2/NDF:48.1/51

All: 238.693+/-38.873 χ^2/NDF: 99.8/96

eigen_dit_asym_sam4_rms vs Slug, Sign Corrected



Right In: 292.069+/-0.063 χ^2/NDF: 1542858.5/21

Left Out: 298.938+/-0.050 χ^2/NDF:1613074.5/24

Right Out: 286.805+/-0.060 χ^2/NDF: 2356682.3/26

Left In: 297.885+/-0.051 χ^2/NDF:1319043.7/22

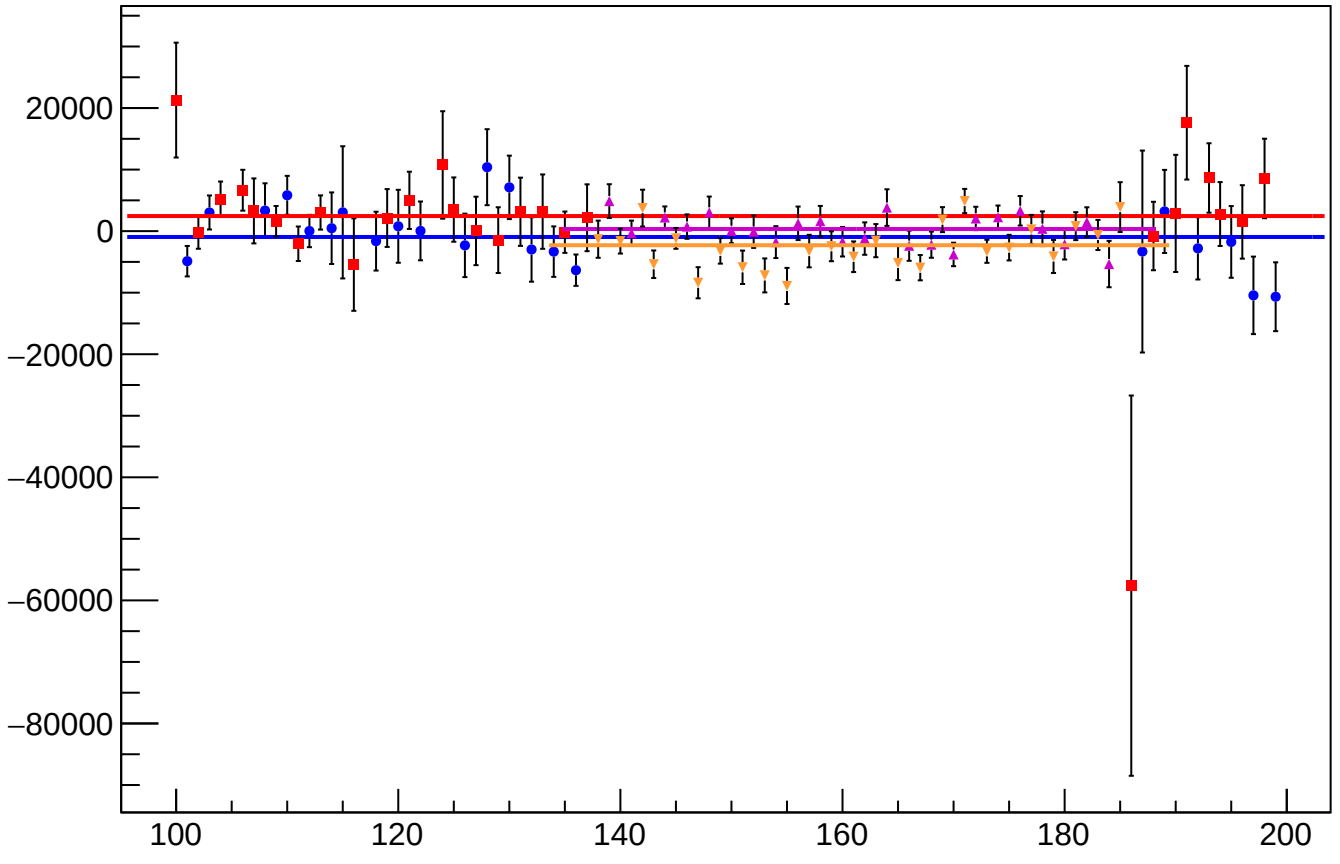
Left: 298.424+/-0.035 χ^2/NDF: 2932338.7/47

Right: 289.295+/-0.044 χ^2/NDF: 3903179.0/48

In: 295.614+/-0.040 χ^2/NDF:2867041.3/44

Out: 294.023+/-0.038 χ^2/NDF:3994070.6/51

All: 294.790+/-0.027 χ^2/NDF: 6861947.6/96



Right In: -950.589+/-895.302 χ^2/NDF: 27.3/21

Left Out: -2290.986+/-470.517 χ^2/NDF:51.7/24

Right Out: 2449.106+/-842.658 χ^2/NDF: 23.0/26

Left In: 342.606+/-483.604 χ^2/NDF:22.8/22

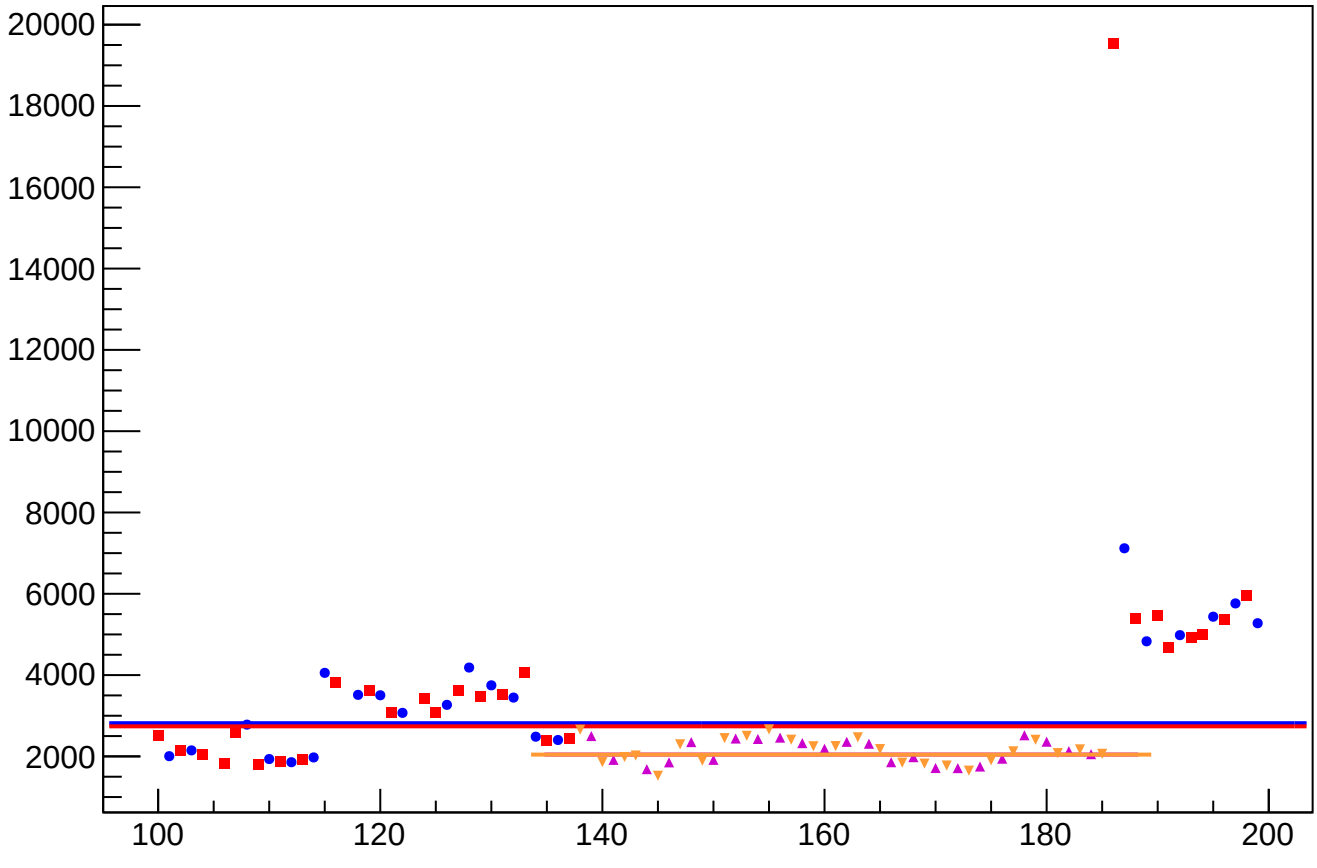
Left: -1010.308+/-337.238 χ^2/NDF: 89.7/47

Right: 852.142+/-613.616 χ^2/NDF: 58.0/48

In: 50.514+/-425.498 χ^2/NDF:51.8/44

Out: -1164.377+/-410.814 χ^2/NDF:98.8/51

All: -578.257+/-295.544 χ^2/NDF: 154.8/96



Right In: 2816.719+/-0.633 χ^2/NDF: 3084424.6/21

Left Out: 2043.742+/-0.333 χ^2/NDF:853393.7/24

Right Out: 2739.406+/-0.596 χ^2/NDF: 4280907.9/26

Left In: 2045.175+/-0.342 χ^2/NDF:690218.2/22

Left: 2044.439+/-0.238 χ^2/NDF: 1543620.9/47

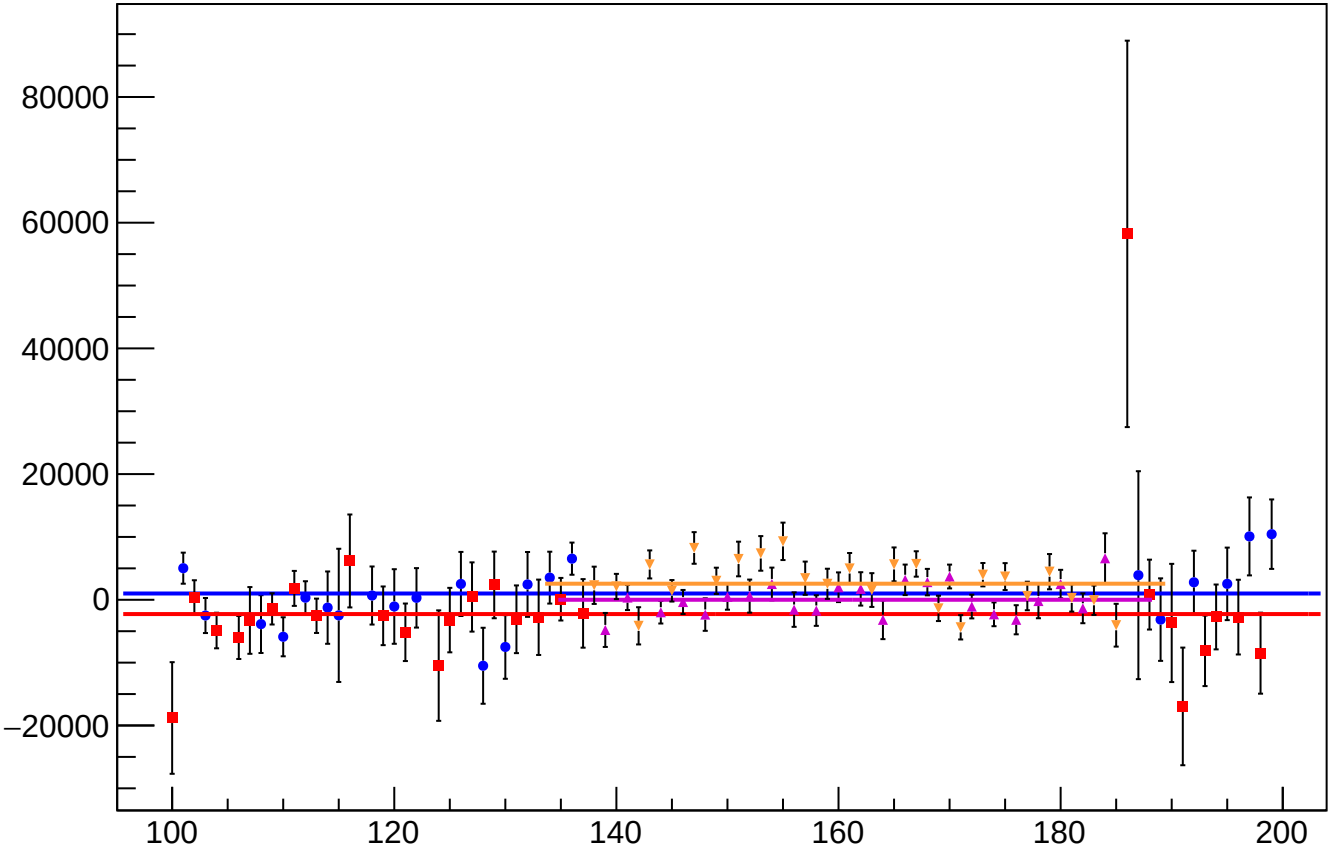
Right: 2775.723+/-0.434 χ^2/NDF: 7373240.9/48

In: 2219.443+/-0.301 χ^2/NDF:4924453.9/44

Out: 2209.085+/-0.290 χ^2/NDF:6173419.4/51

All: 2214.082+/-0.209 χ^2/NDF: 11098486.5/9

asym_sam4_mean vs Slug, Sign Corrected



Right In: 1000.220+/-891.973 χ^2/NDF: 28.1/21

Left Out: 2559.048+/-465.944 χ^2/NDF:52.7/24

Right Out: -2272.098+/-841.193 χ^2/NDF: 21.7/26

Left In: 3.474+/-478.514 χ^2/NDF:24.7/22

Left: 1315.267+/-333.828 χ^2/NDF: 92.0/47

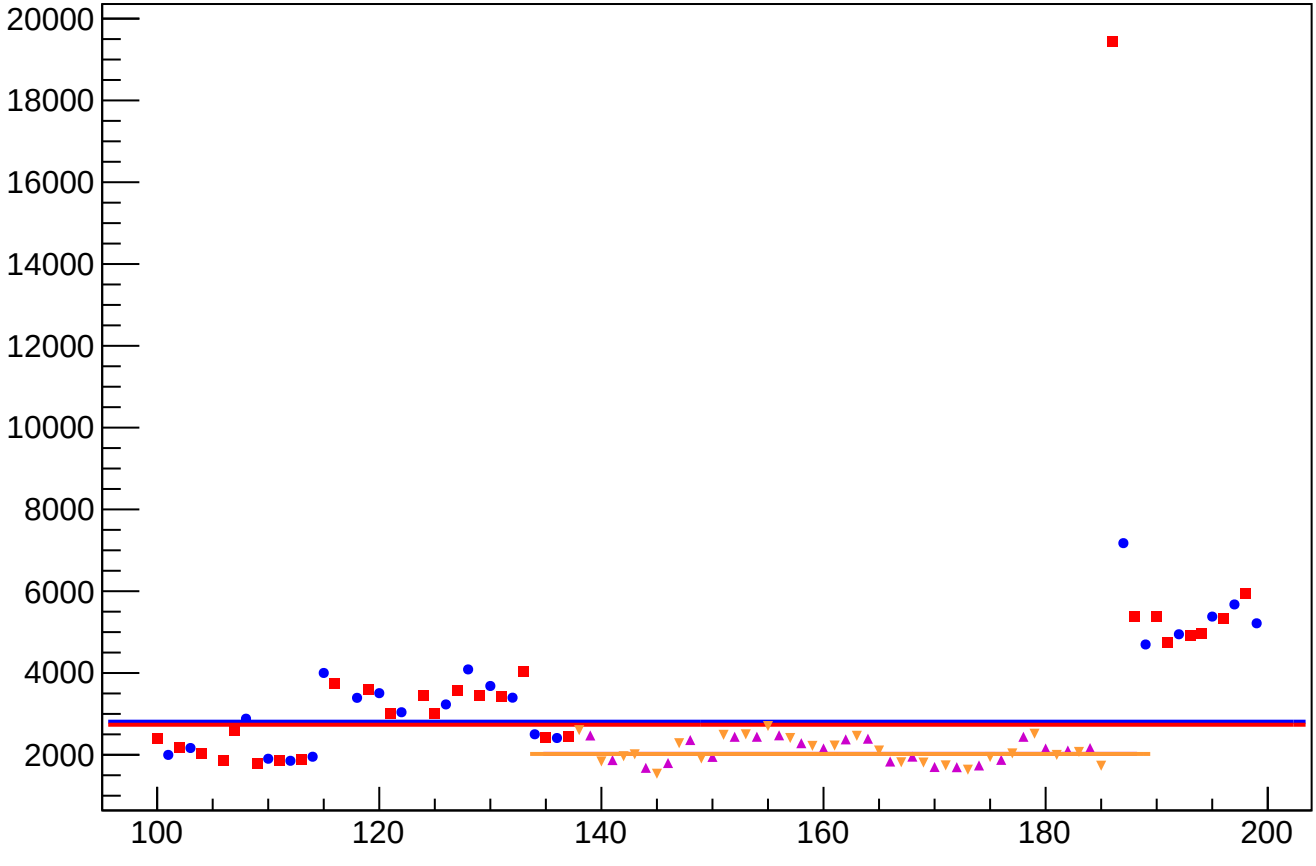
Right: -731.732+/-611.978 χ^2/NDF: 56.9/48

In: 226.227+/-421.668 χ^2/NDF:53.7/44

Out: 1424.788+/-407.593 χ^2/NDF:99.6/51

All: 845.845+/-293.061 χ^2/NDF: 157.5/96

asym_sam4_rms vs Slug, Sign Corrected



Right In: 2809.937+/-0.631 χ^2/NDF: 3010674.6/21

Left Out: 2021.266+/-0.329 χ^2/NDF:881370.9/24

Right Out: 2735.253+/-0.595 χ^2/NDF: 4232697.3/26

Left In: 2023.284+/-0.338 χ^2/NDF:696055.4/22

Left: 2022.248+/-0.236 χ^2/NDF: 1577444.6/47

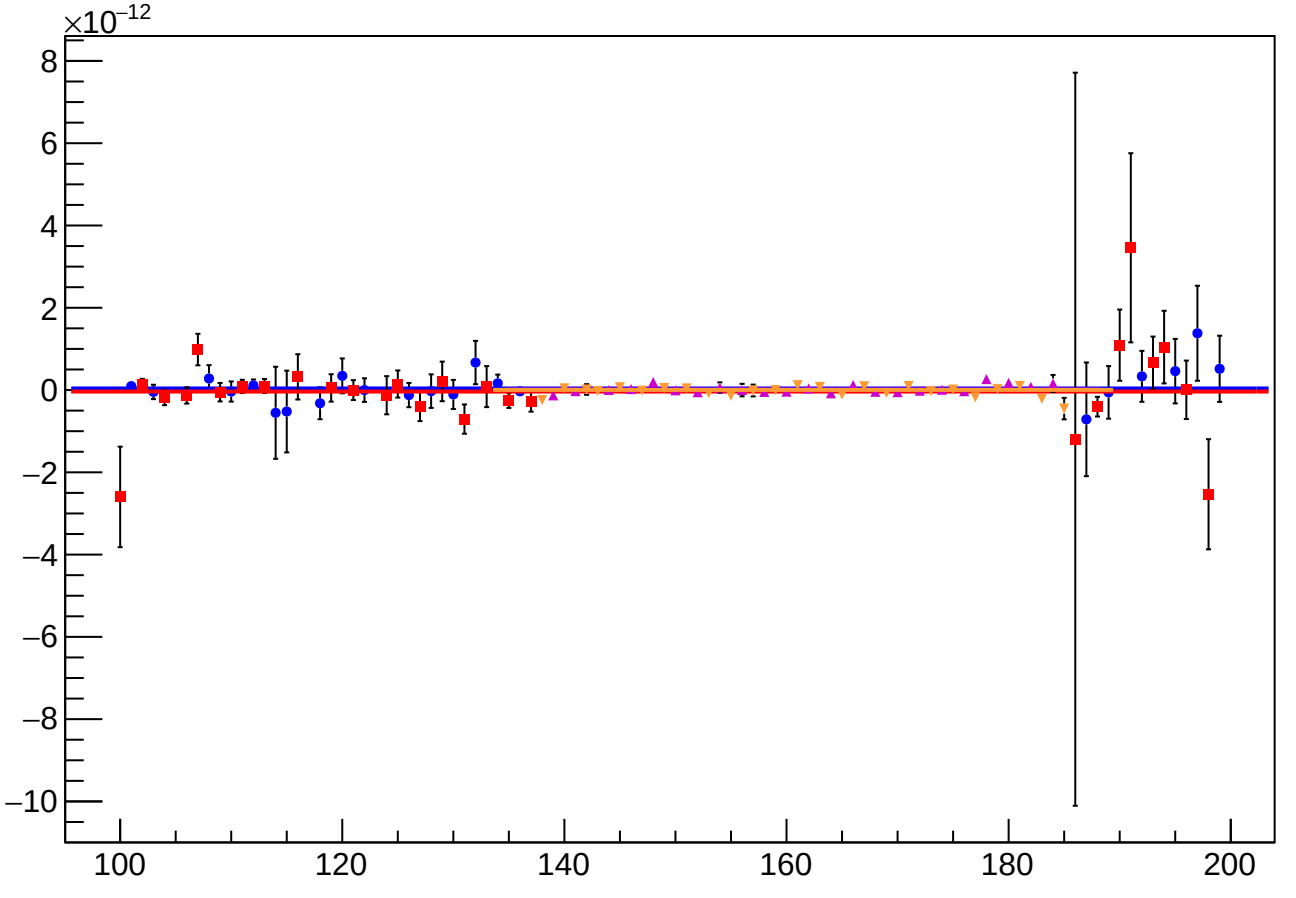
Right: 2770.409+/-0.433 χ^2/NDF: 7250792.7/48

In: 2199.085+/-0.298 χ^2/NDF:4914671.8/44

Out: 2188.896+/-0.288 χ^2/NDF:6216636.4/51

All: 2193.818+/-0.207 χ^2/NDF: 11131911.8/9

asym_sam4_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 8.7/21

Left Out: 0.000+/-0.000 χ^2/NDF:32.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 35.8/26

Left In: 0.000+/-0.000 χ^2/NDF:20.8/22

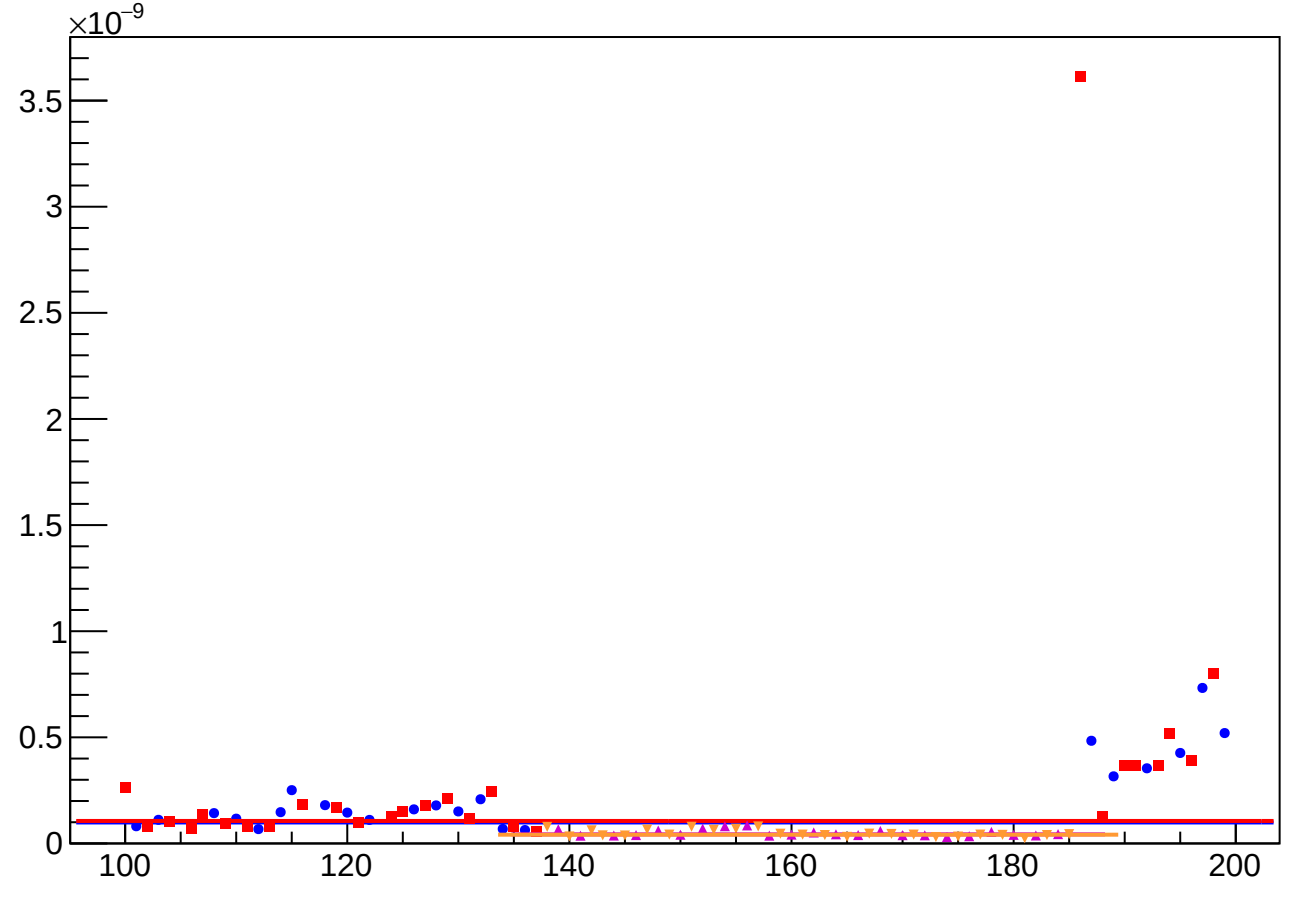
Left: 0.000+/-0.000 χ^2/NDF: 53.0/47

Right: 0.000+/-0.000 χ^2/NDF: 45.5/48

In: 0.000+/-0.000 χ^2/NDF:29.8/44

Out: 0.000+/-0.000 χ^2/NDF:68.4/51

All: 0.000+/-0.000 χ^2/NDF: 98.5/96



Right In: 0.000+/-0.000 χ^2/NDF: 3204552.7/21

Left Out: 0.000+/-0.000 χ^2/NDF:1235677.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3058005.1/26

Left In: 0.000+/-0.000 χ^2/NDF:931395.8/22

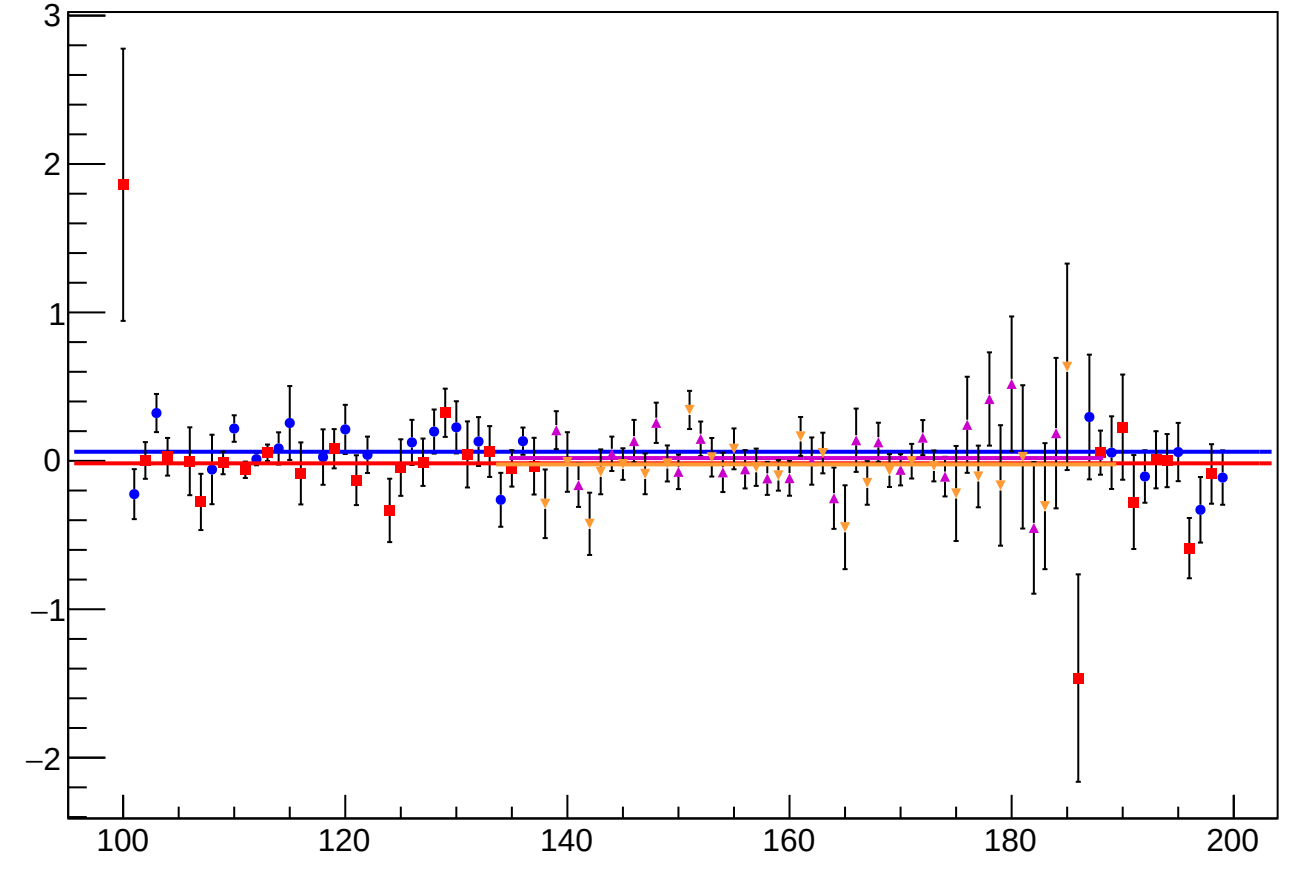
Left: 0.000+/-0.000 χ^2/NDF: 2176066.9/47

Right: 0.000+/-0.000 χ^2/NDF: 6280583.5/48

In: 0.000+/-0.000 χ^2/NDF:6240459.9/44

Out: 0.000+/-0.000 χ^2/NDF:6950950.1/51

All: 0.000+/-0.000 χ^2/NDF: 13205548.2/96



Right In: 0.061+/-0.026 χ^2/NDF: 24.4/21

Left Out: -0.024+/-0.030 χ^2/NDF:22.2/24

Right Out: -0.017+/-0.025 χ^2/NDF: 30.3/26

Left In: 0.019+/-0.030 χ^2/NDF:23.0/22

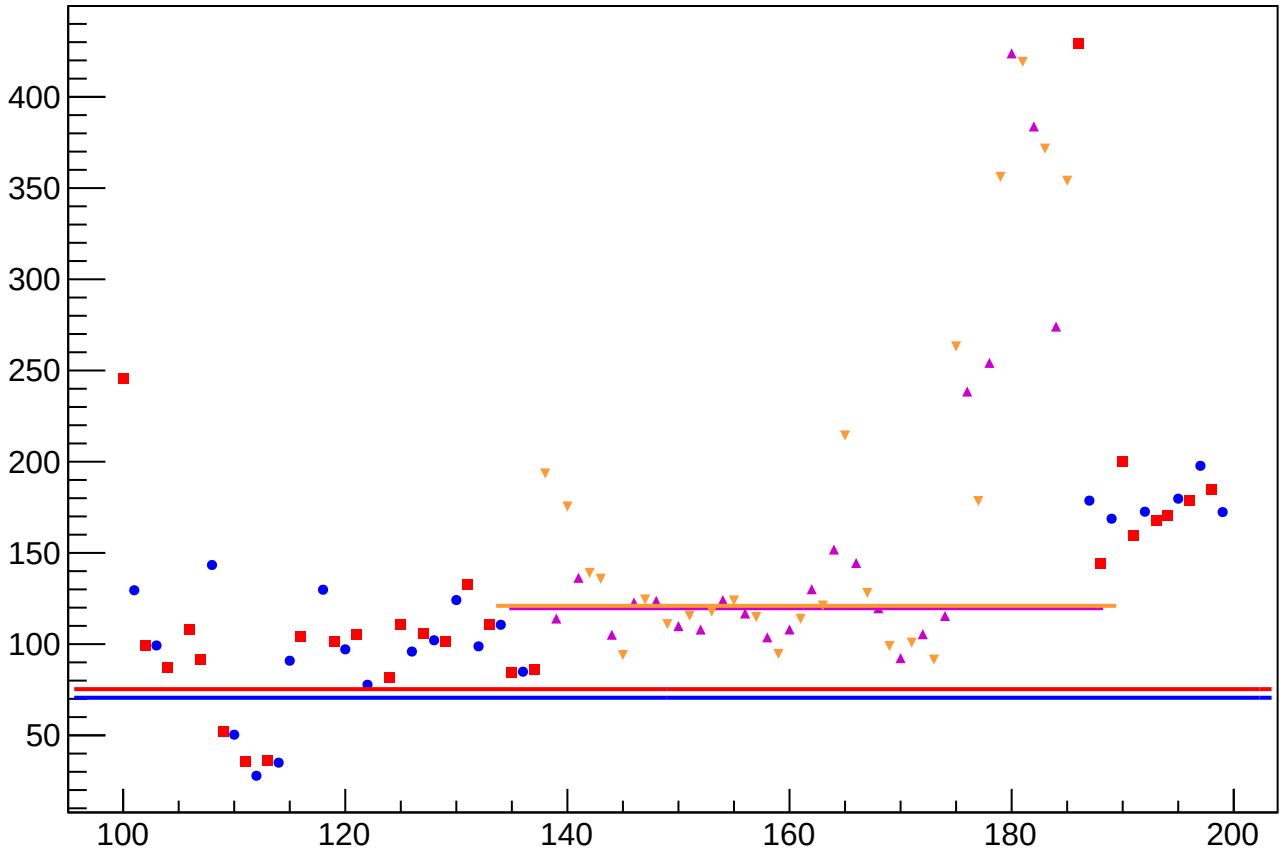
Left: -0.003+/-0.021 χ^2/NDF: 46.2/47

Right: 0.021+/-0.018 χ^2/NDF: 59.4/48

In: 0.043+/-0.020 χ^2/NDF:48.6/44

Out: -0.020+/-0.019 χ^2/NDF:52.5/51

All: 0.011+/-0.014 χ^2/NDF: 106.4/96



Right In: 70.605+/-0.018 χ^2/NDF: 6841235.0/21

Left Out: 120.999+/-0.021 χ^2/NDF:4095266.9/24

Right Out: 75.329+/-0.018 χ^2/NDF: 6508068.3/26

Left In: 119.679+/-0.021 χ^2/NDF:2838257.9/22

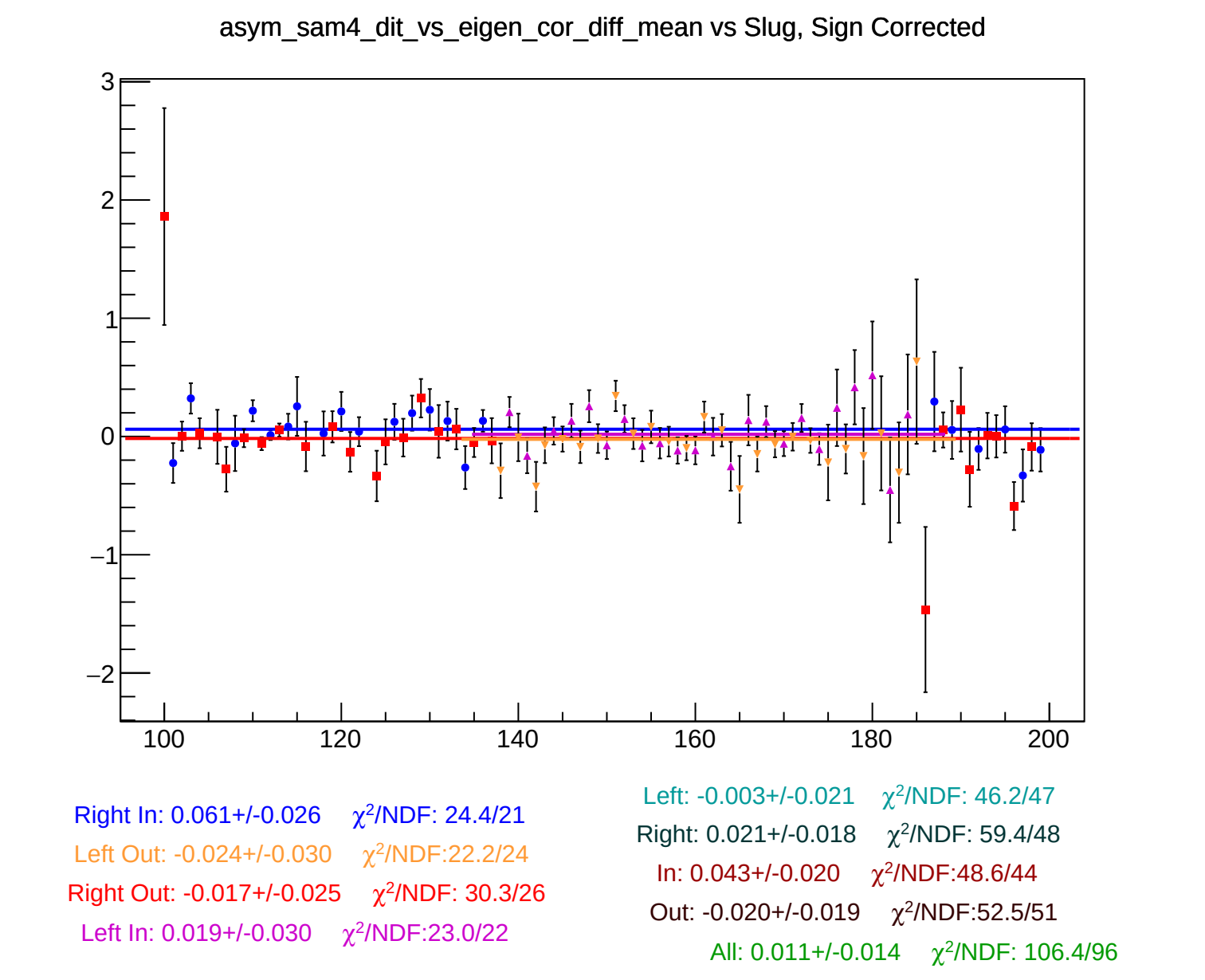
Left: 120.346+/-0.015 χ^2/NDF: 6935453.1/47

Right: 73.014+/-0.013 χ^2/NDF: 13383473.6/48

In: 91.299+/-0.014 χ^2/NDF:12728484.7/44

Out: 94.387+/-0.014 χ^2/NDF:13321708.4/51

All: 92.868+/-0.010 χ^2/NDF: 26075337.7/96


asym_sam4_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
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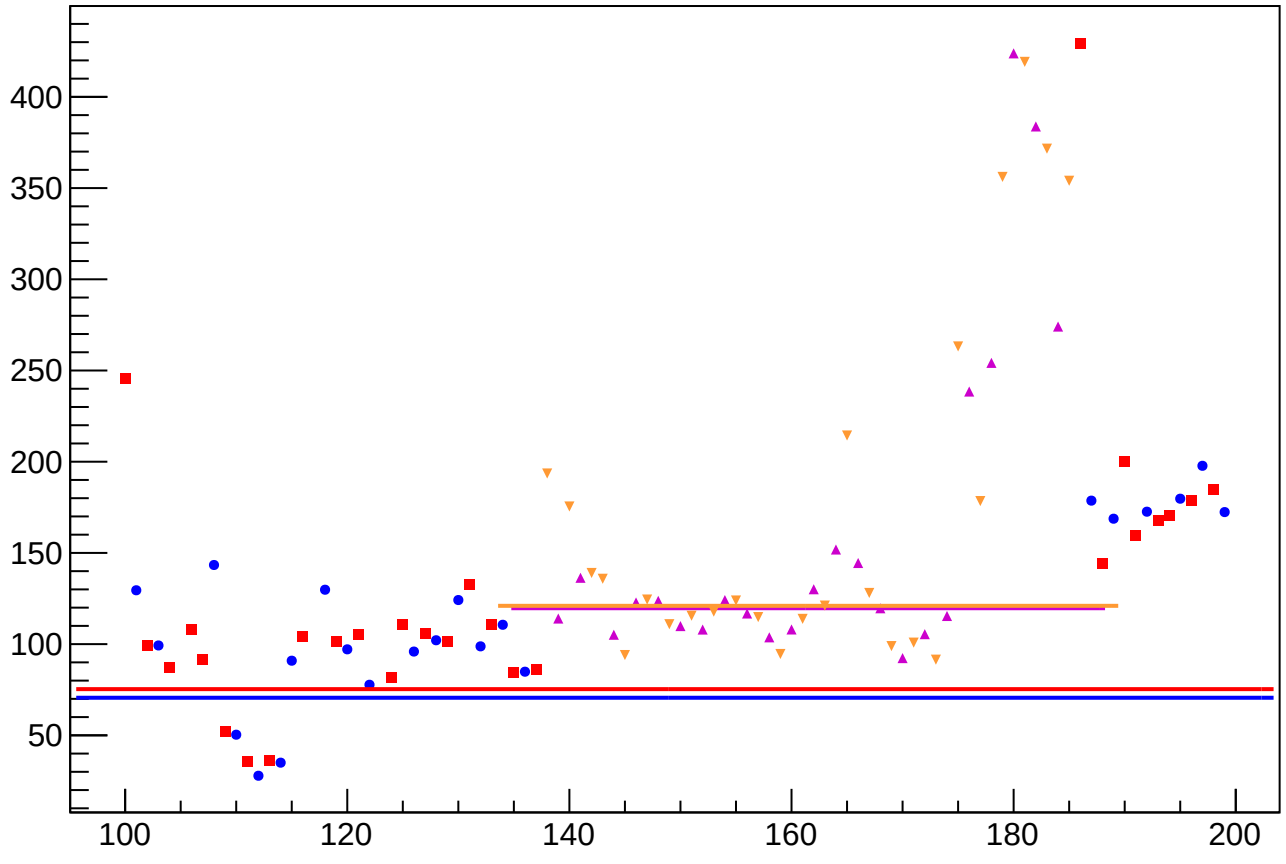
Right In: 0.061+/-0.026 χ²/NDF: 24.4/21
Left Out: -0.024+/-0.030 χ²/NDF:22.2/24
Right Out: -0.017+/-0.025 χ²/NDF: 30.3/26
Left In: 0.019+/-0.030 χ²/NDF:23.0/22
Left: -0.003+/-0.021 χ²/NDF: 46.2/47
Right: 0.021+/-0.018 χ²/NDF: 59.4/48
In: 0.043+/-0.020 χ²/NDF:48.6/44
Out: -0.020+/-0.019 χ²/NDF:52.5/51
All: 0.011+/-0.014 χ²/NDF: 106.4/96



Right In: 70.605+/-0.018 χ^2/NDF: 6841235.0/21

Left Out: 120.999+/-0.021 χ^2/NDF:4095266.9/24

Right Out: 75.329+/-0.018 χ^2/NDF: 6508068.3/26

Left In: 119.679+/-0.021 χ^2/NDF:2838257.9/22

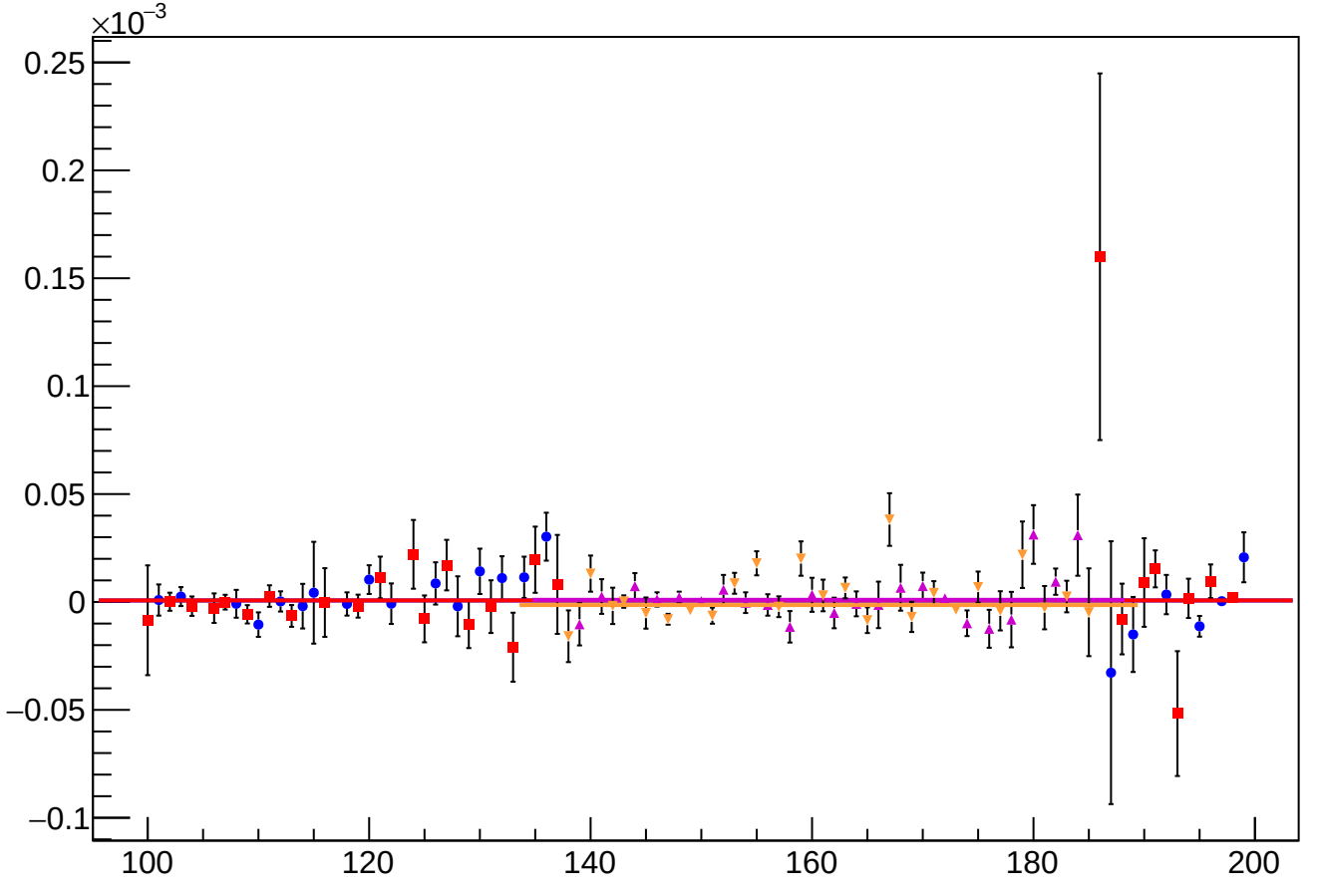
Left: 120.346+/-0.015 χ^2/NDF: 6935453.1/47

Right: 73.014+/-0.013 χ^2/NDF: 13383473.6/48

In: 91.299+/-0.014 χ^2/NDF:12728484.7/44

Out: 94.387+/-0.014 χ^2/NDF:13321708.4/51

All: 92.868+/-0.010 χ^2/NDF: 26075337.7/96



Right In: 0.000+/-0.000 χ^2/NDF: 28.6/21

Left Out: -0.000+/-0.000 χ^2/NDF:60.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 28.0/26

Left In: 0.000+/-0.000 χ^2/NDF:24.5/22

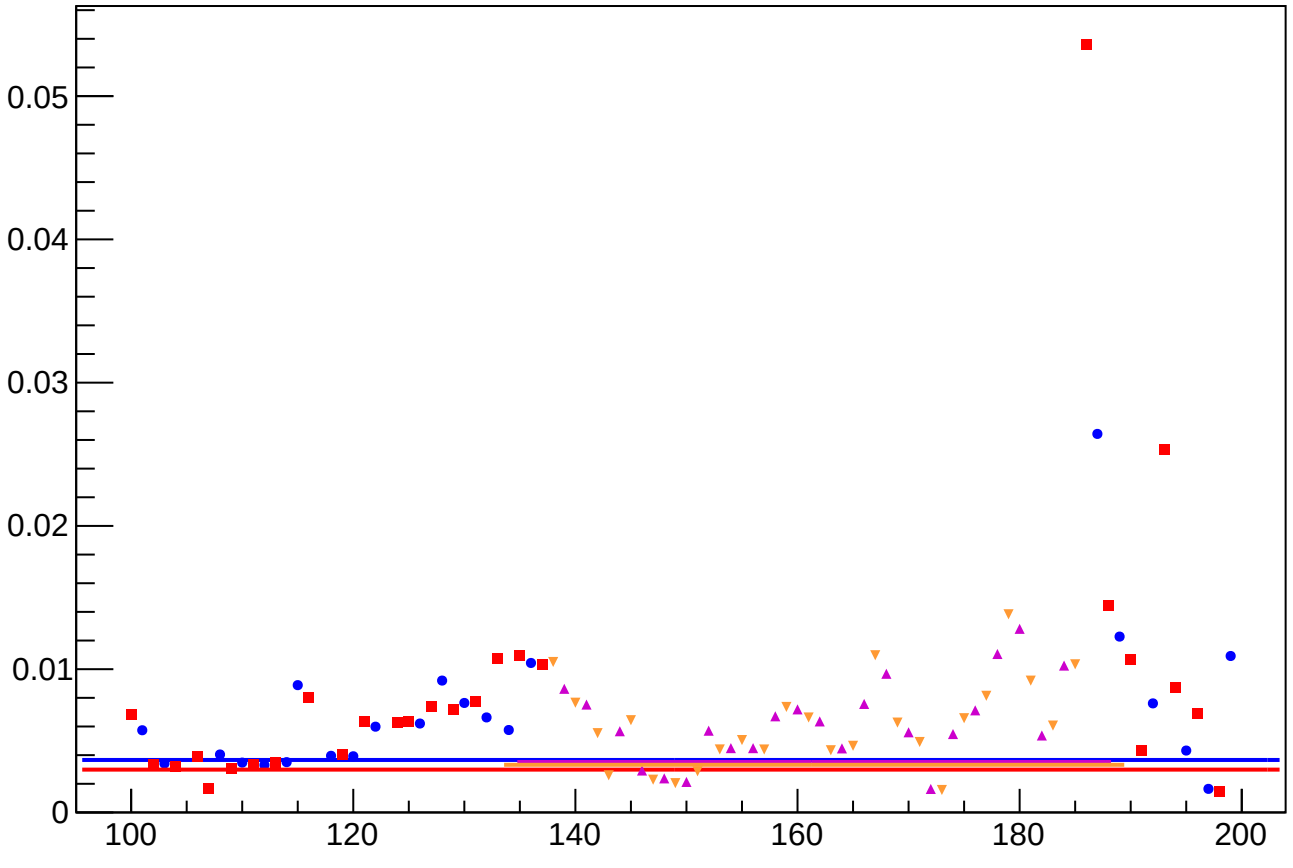
Left: -0.000+/-0.000 χ^2/NDF: 88.2/47

Right: 0.000+/-0.000 χ^2/NDF: 56.6/48

In: 0.000+/-0.000 χ^2/NDF:53.1/44

Out: -0.000+/-0.000 χ^2/NDF:90.8/51

All: 0.000+/-0.000 χ^2/NDF: 145.8/96



Right In: 0.004+/-0.000 χ^2/NDF: 5868564.7/21

Left Out: 0.003+/-0.000 χ^2/NDF:10486084.0/24

Right Out: 0.003+/-0.000 χ^2/NDF: 9499543.1/26

Left In: 0.004+/-0.000 χ^2/NDF:9426441.5/22

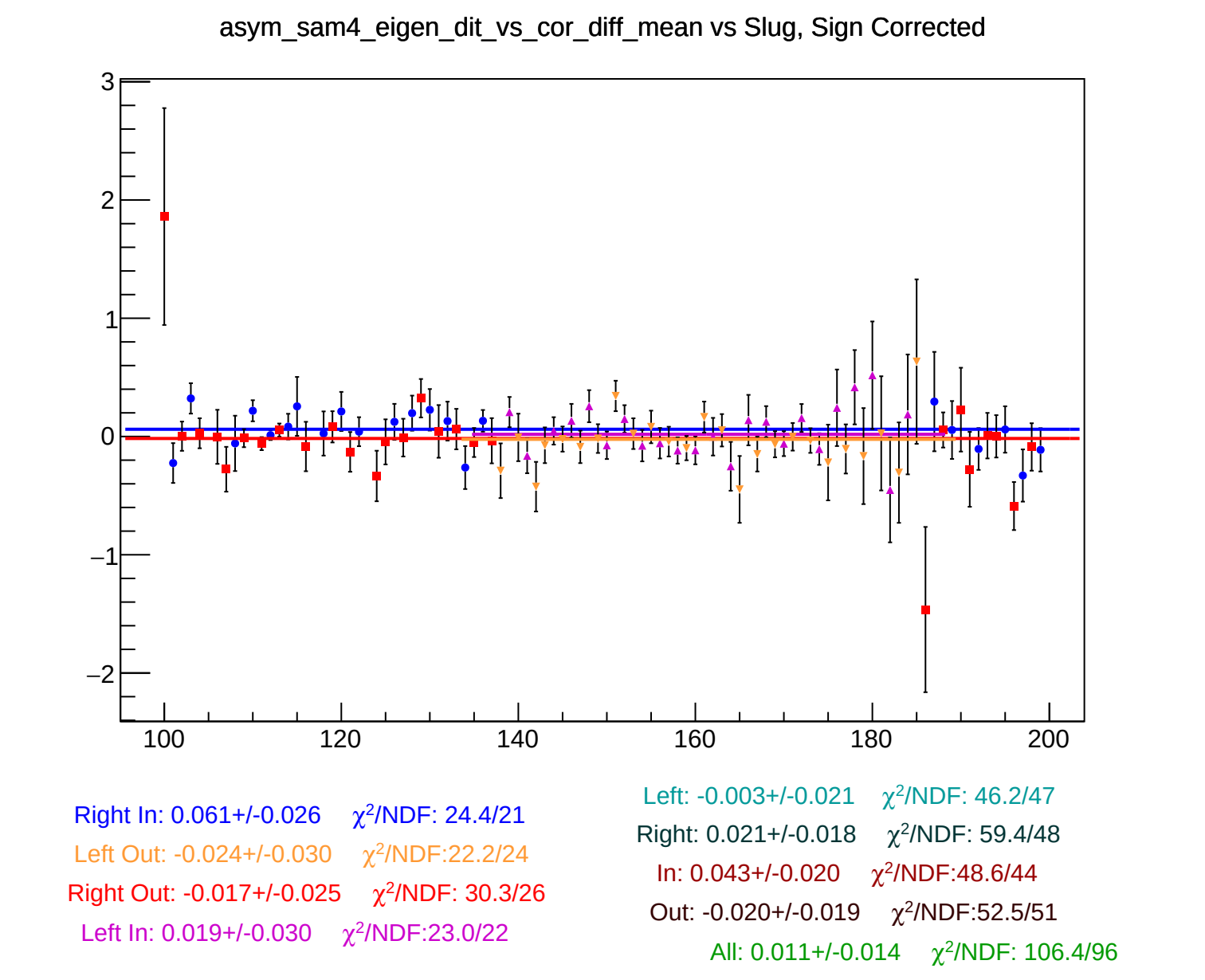
Left: 0.003+/-0.000 χ^2/NDF: 19955580.6/47

Right: 0.003+/-0.000 χ^2/NDF: 15682018.3/48

In: 0.004+/-0.000 χ^2/NDF:15309825.6/44

Out: 0.003+/-0.000 χ^2/NDF:20099162.0/51

All: 0.003+/-0.000 χ^2/NDF: 35677598.7/96


asym_sam4_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
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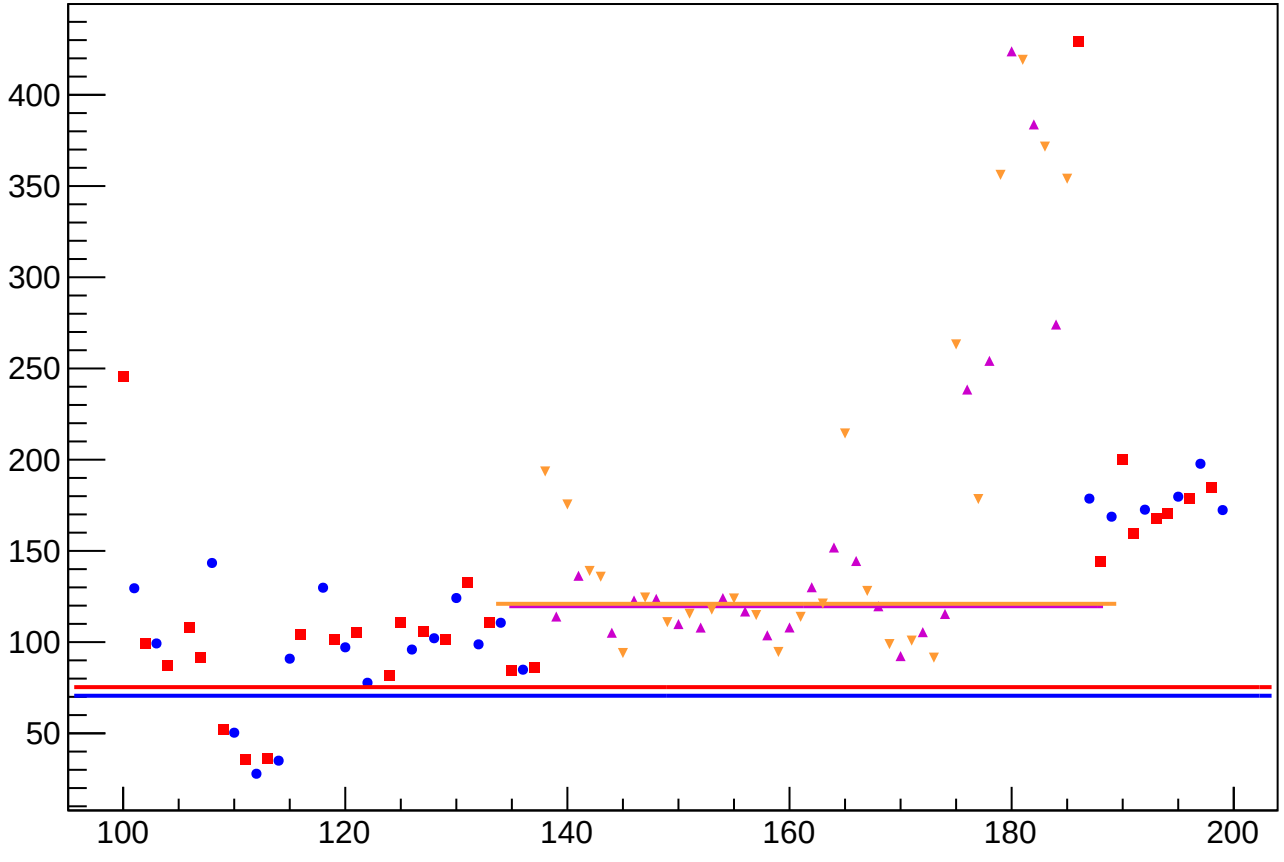
Right In: 0.061+/-0.026 χ²/NDF: 24.4/21
Left Out: -0.024+/-0.030 χ²/NDF:22.2/24
Right Out: -0.017+/-0.025 χ²/NDF: 30.3/26
Left In: 0.019+/-0.030 χ²/NDF:23.0/22
Left: -0.003+/-0.021 χ²/NDF: 46.2/47
Right: 0.021+/-0.018 χ²/NDF: 59.4/48
In: 0.043+/-0.020 χ²/NDF:48.6/44
Out: -0.020+/-0.019 χ²/NDF:52.5/51
All: 0.011+/-0.014 χ²/NDF: 106.4/96

asym_sam4_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 70.602+/-0.018 χ^2/NDF: 6841588.5/21

Left Out: 121.000+/-0.021 χ^2/NDF:4095210.5/24

Right Out: 75.327+/-0.018 χ^2/NDF: 6508452.8/26

Left In: 119.680+/-0.021 χ^2/NDF:2838196.2/22

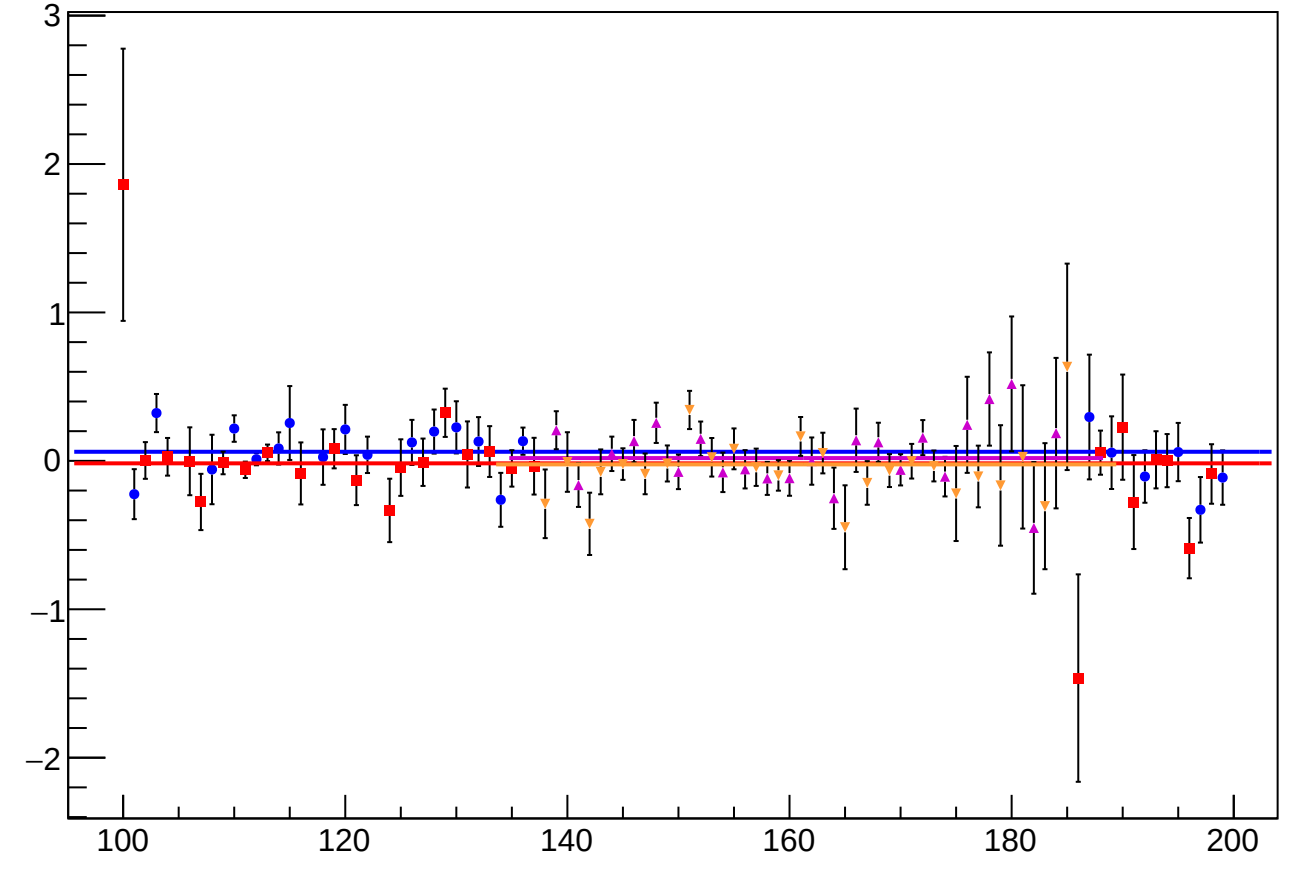
Left: 120.347+/-0.015 χ^2/NDF: 6935335.2/47

Right: 73.011+/-0.013 χ^2/NDF: 13384217.7/48

In: 91.298+/-0.014 χ^2/NDF:12729205.1/44

Out: 94.386+/-0.014 χ^2/NDF:13322398.2/51

All: 92.866+/-0.010 χ^2/NDF: 26076754.2/96



Right In: 0.061+/-0.026 χ^2/NDF: 24.4/21

Left Out: -0.024+/-0.030 χ^2/NDF:22.2/24

Right Out: -0.017+/-0.025 χ^2/NDF: 30.3/26

Left In: 0.019+/-0.030 χ^2/NDF:23.0/22

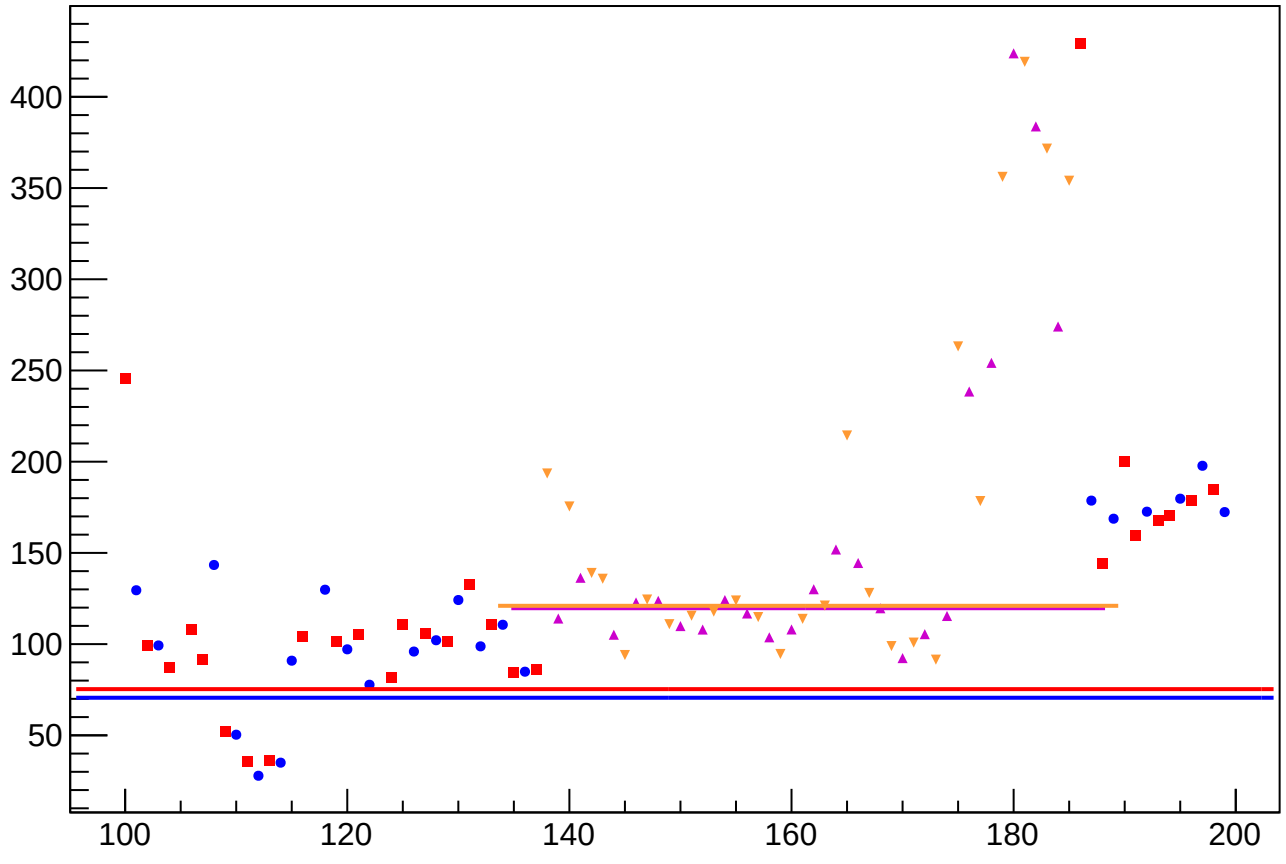
Left: -0.003+/-0.021 χ^2/NDF: 46.2/47

Right: 0.021+/-0.018 χ^2/NDF: 59.4/48

In: 0.043+/-0.020 χ^2/NDF:48.6/44

Out: -0.020+/-0.019 χ^2/NDF:52.5/51

All: 0.011+/-0.014 χ^2/NDF: 106.4/96



Right In: 70.602+/-0.018 χ^2/NDF: 6841588.5/21

Left Out: 121.000+/-0.021 χ^2/NDF:4095210.5/24

Right Out: 75.327+/-0.018 χ^2/NDF: 6508452.8/26

Left In: 119.680+/-0.021 χ^2/NDF:2838196.2/22

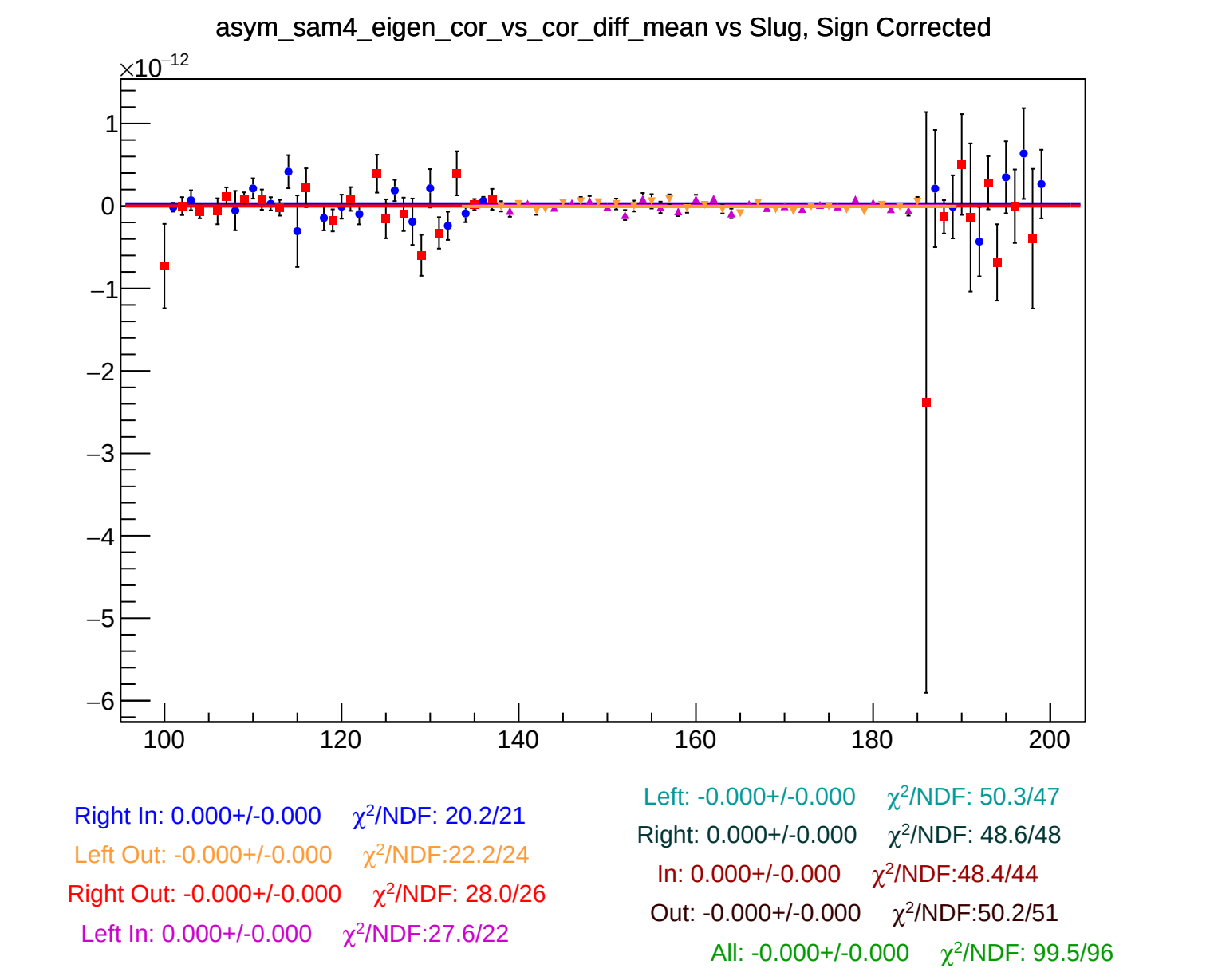
Left: 120.347+/-0.015 χ^2/NDF: 6935335.2/47

Right: 73.011+/-0.013 χ^2/NDF: 13384217.7/48

In: 91.298+/-0.014 χ^2/NDF:12729205.1/44

Out: 94.386+/-0.014 χ^2/NDF:13322398.2/51

All: 92.866+/-0.010 χ^2/NDF: 26076754.2/96


asym_sam4_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
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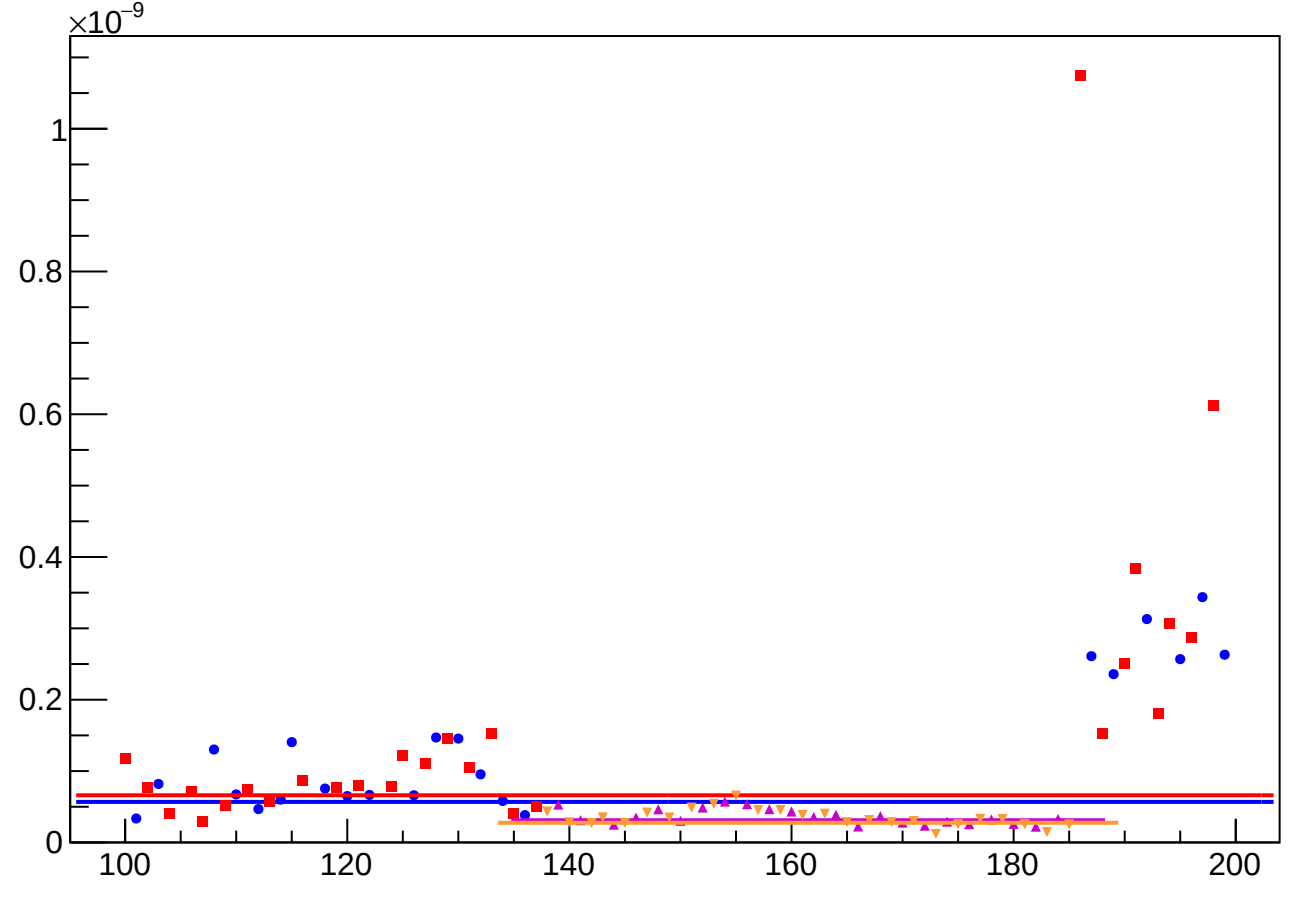
Right In: 0.000+/-0.000 χ²/NDF: 20.2/21
Left Out: -0.000+/-0.000 χ²/NDF:22.2/24
Right Out: -0.000+/-0.000 χ²/NDF: 28.0/26
Left In: 0.000+/-0.000 χ²/NDF:27.6/22
Left: -0.000+/-0.000 χ²/NDF: 50.3/47
Right: 0.000+/-0.000 χ²/NDF: 48.6/48
In: 0.000+/-0.000 χ²/NDF:48.4/44
Out: -0.000+/-0.000 χ²/NDF:50.2/51
All: -0.000+/-0.000 χ²/NDF: 99.5/96



Right In: 0.000+/-0.000 χ^2/NDF: 4500737.3/21

Left Out: 0.000+/-0.000 χ^2/NDF:3691738.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4707086.4/26

Left In: 0.000+/-0.000 χ^2/NDF:1937733.7/22

Left: 0.000+/-0.000 χ^2/NDF: 5803061.5/47

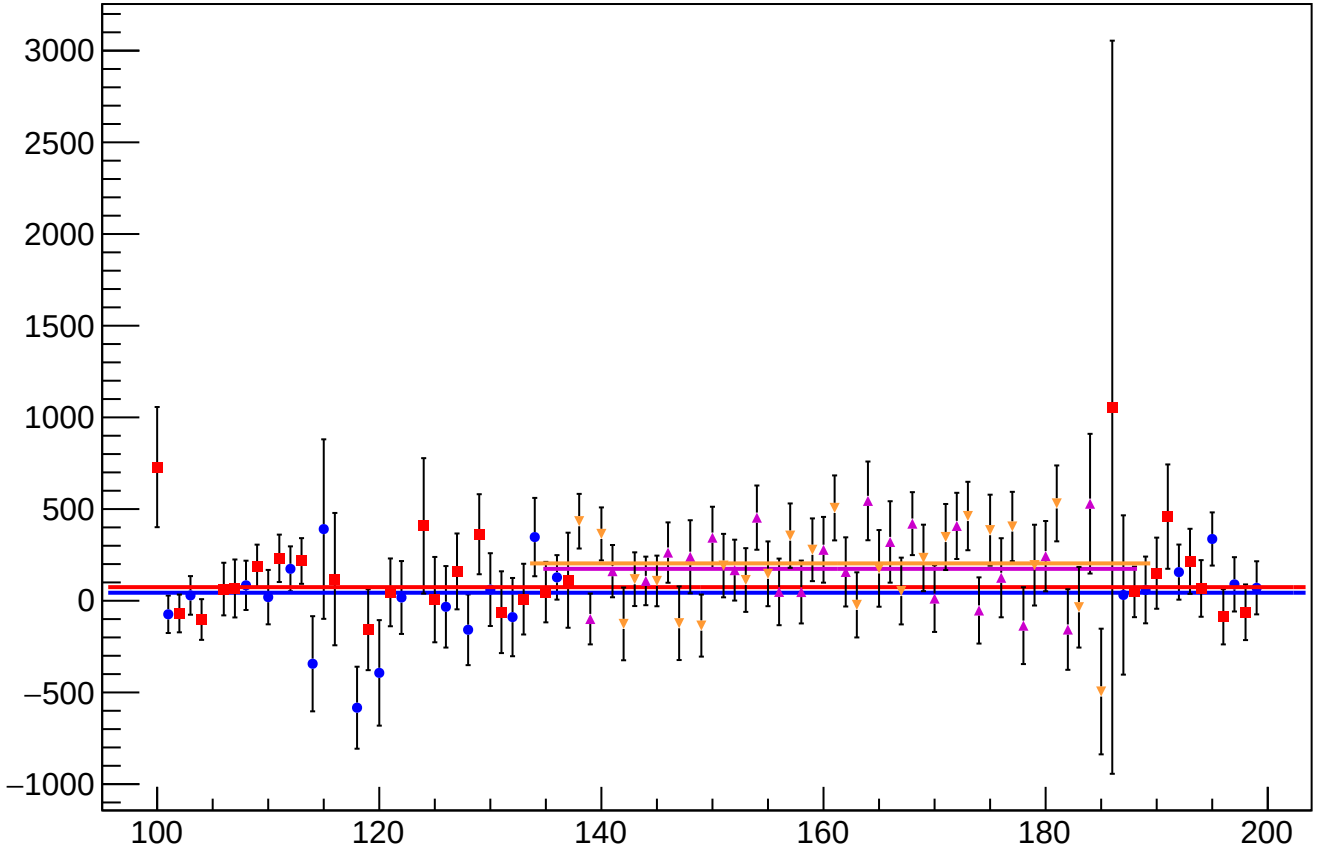
Right: 0.000+/-0.000 χ^2/NDF: 9324223.6/48

In: 0.000+/-0.000 χ^2/NDF:8198296.1/44

Out: 0.000+/-0.000 χ^2/NDF:11827956.3/51

All: 0.000+/-0.000 χ^2/NDF: 20198871.5/96

reg_asym_sam5_mean vs Slug, Sign Corrected



Right In: 43.740+/-34.613 χ^2/NDF: 24.4/21

Left Out: 203.760+/-35.878 χ^2/NDF:32.9/24

Right Out: 74.234+/-32.460 χ^2/NDF: 21.6/26

Left In: 173.974+/-37.405 χ^2/NDF:24.5/22

Left: 189.488+/-25.893 χ^2/NDF: 57.7/47

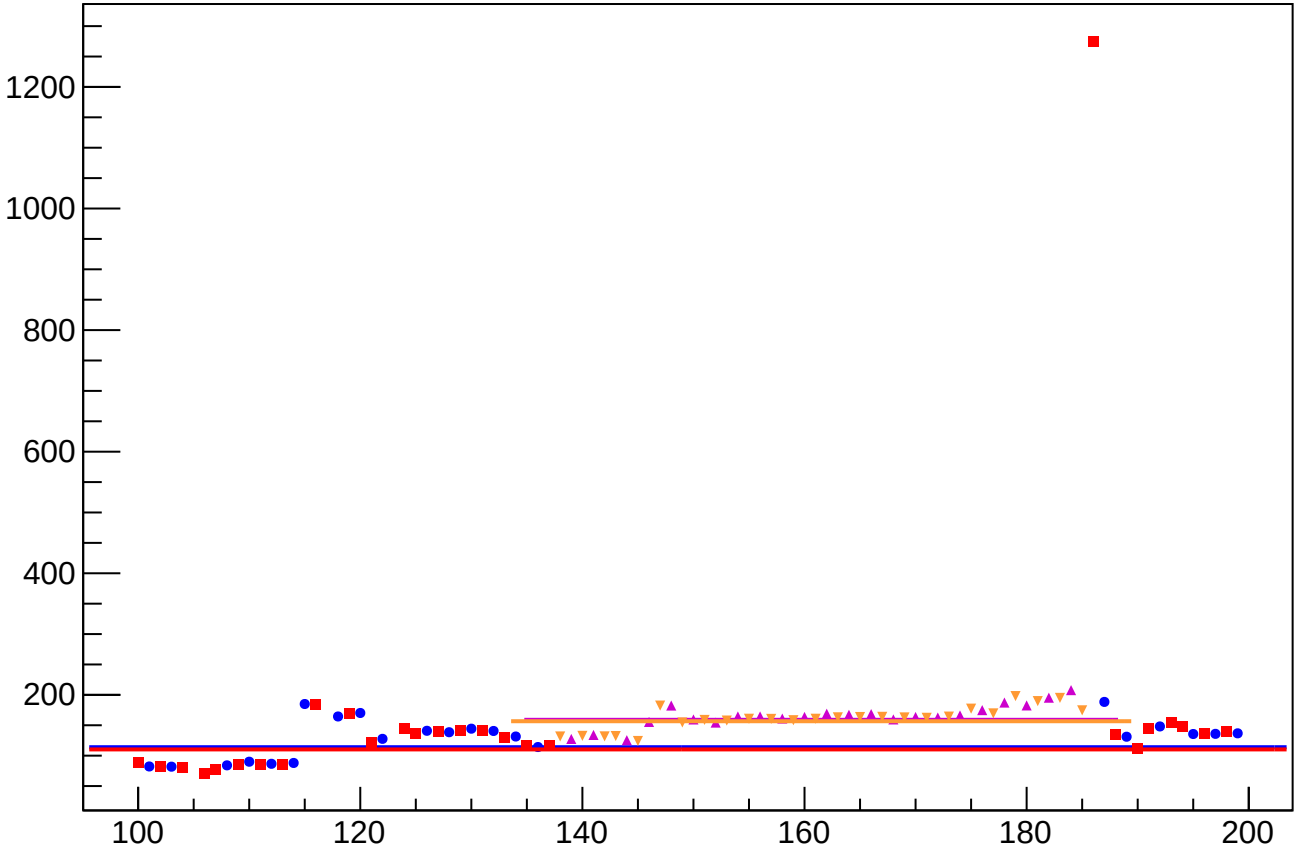
Right: 59.964+/-23.677 χ^2/NDF: 46.4/48

In: 103.815+/-25.405 χ^2/NDF:55.4/44

Out: 132.535+/-24.070 χ^2/NDF:61.6/51

All: 118.949+/-17.473 χ^2/NDF: 117.7/96

reg_asym_sam5_rms vs Slug, Sign Corrected



Right In: 113.898+/-0.024 χ^2/NDF: 1350213.6/21

Left Out: 156.638+/-0.025 χ^2/NDF:582414.4/24

Right Out: 110.262+/-0.023 χ^2/NDF: 2355373.5/26

Left In: 158.952+/-0.026 χ^2/NDF:511321.2/22

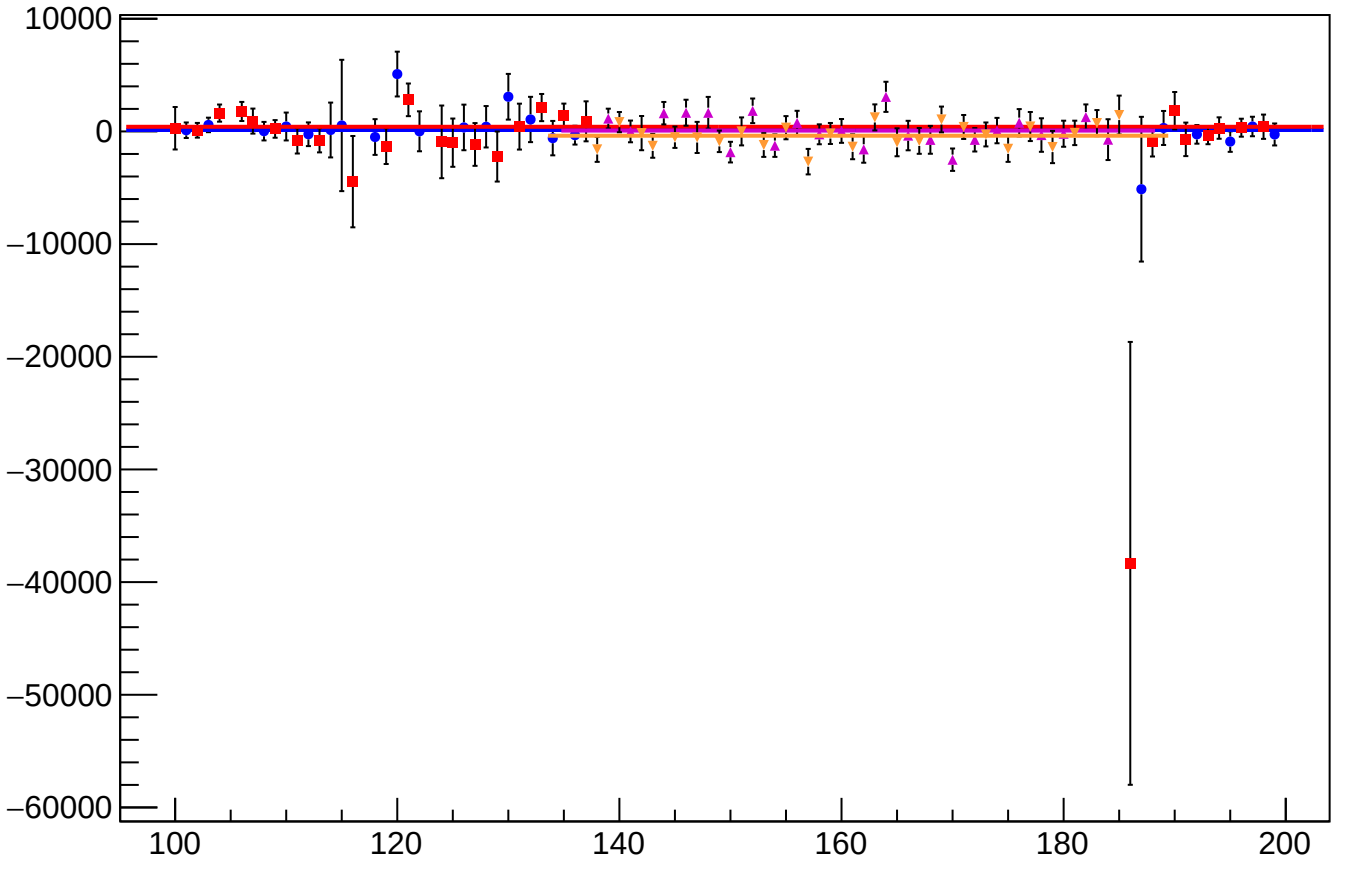
Left: 157.746+/-0.018 χ^2/NDF: 1097721.4/47

Right: 111.963+/-0.017 χ^2/NDF: 3717327.0/48

In: 134.680+/-0.018 χ^2/NDF:3424653.0/44

Out: 131.136+/-0.017 χ^2/NDF:4775323.4/51

All: 132.813+/-0.012 χ^2/NDF: 8220484.6/96



Right In: 127.432+/-241.652 χ^2/NDF: 12.5/21

Left Out: -380.690+/-224.554 χ^2/NDF:18.7/24

Right Out: 412.903+/-222.161 χ^2/NDF: 26.3/26

Left In: 74.440+/-229.788 χ^2/NDF:33.1/22

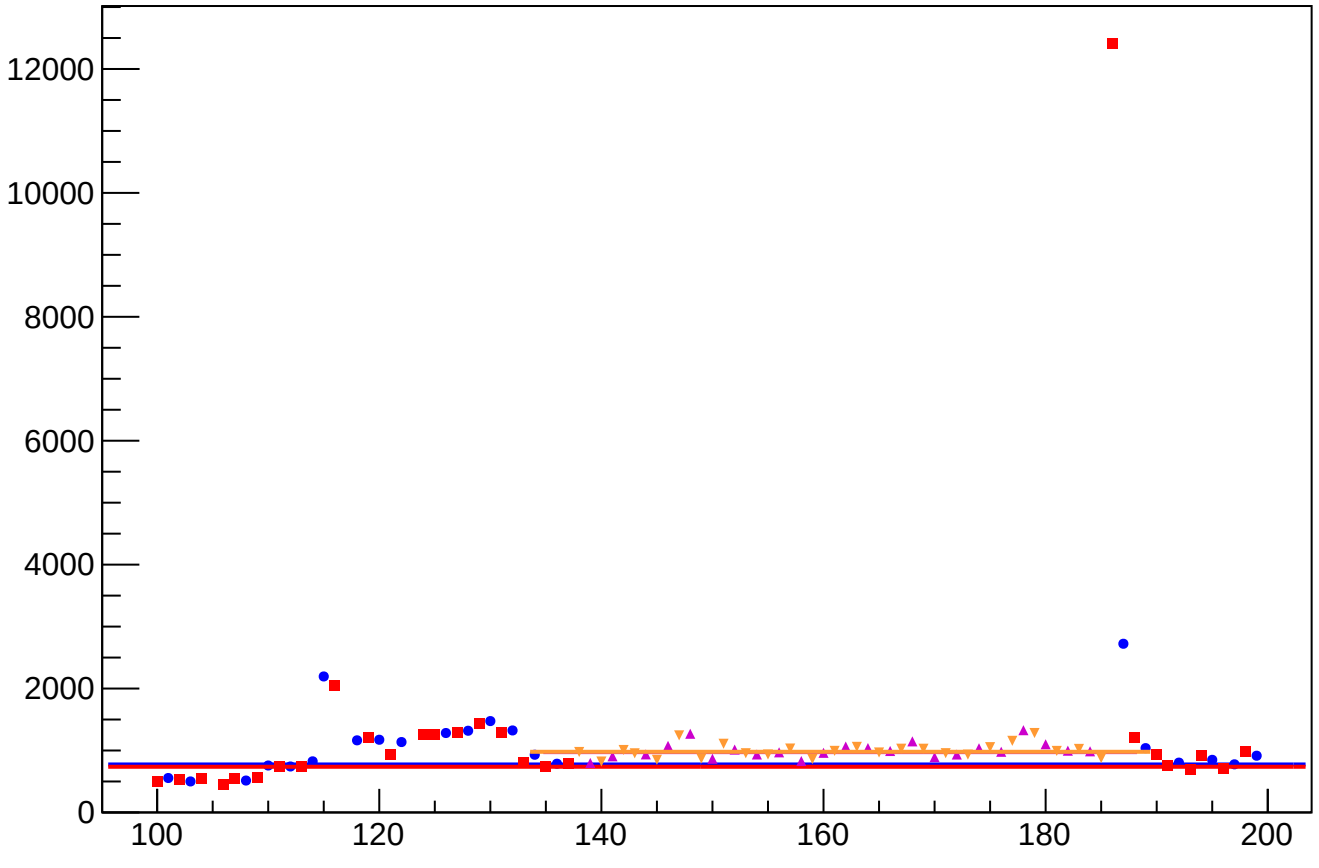
Left: -158.368+/-160.602 χ^2/NDF: 53.8/47

Right: 282.143+/-163.549 χ^2/NDF: 39.5/48

In: 99.603+/-166.521 χ^2/NDF:45.5/44

Out: 20.357+/-157.931 χ^2/NDF:51.4/51

All: 57.884+/-114.590 χ^2/NDF: 97.0/96



Right In: 774.626+/-0.171 χ^2/NDF: 2181830.5/21

Left Out: 979.111+/-0.159 χ^2/NDF:429795.3/24

Right Out: 737.502+/-0.157 χ^2/NDF: 3084572.4/26

Left In: 973.818+/-0.162 χ^2/NDF:498612.7/22

Left: 976.526+/-0.114 χ^2/NDF: 928951.0/47

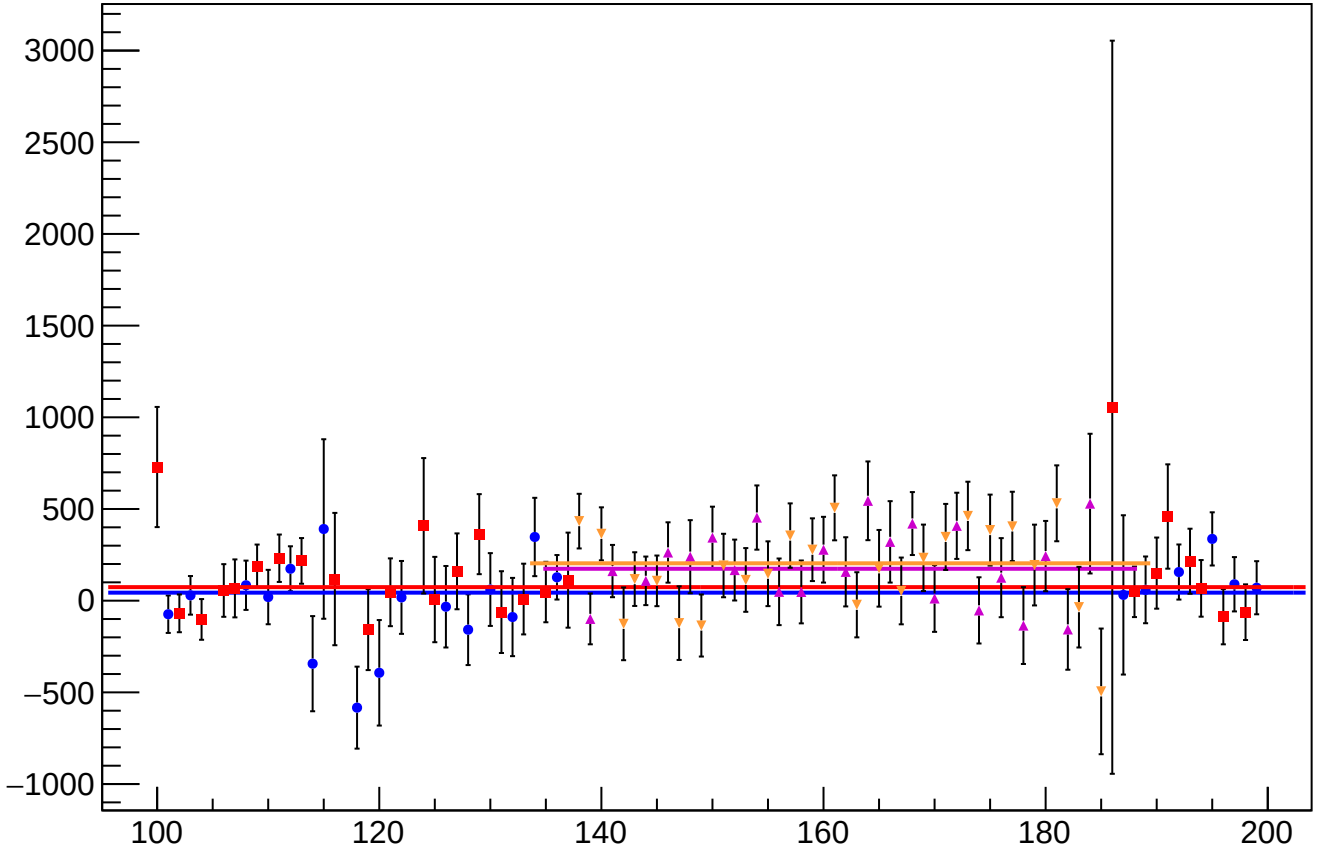
Right: 754.507+/-0.116 χ^2/NDF: 5291983.6/48

In: 879.231+/-0.118 χ^2/NDF:3394077.0/44

Out: 857.013+/-0.112 χ^2/NDF:4684442.1/51

All: 867.534+/-0.081 χ^2/NDF: 8097264.1/96

cor_asym_sam5_mean vs Slug, Sign Corrected



Right In: 43.734+/-34.613 χ^2/NDF: 24.4/21

Left Out: 203.766+/-35.878 χ^2/NDF:32.9/24

Right Out: 73.843+/-32.462 χ^2/NDF: 21.6/26

Left In: 173.978+/-37.405 χ^2/NDF:24.5/22

Left: 189.493+/-25.893 χ^2/NDF: 57.7/47

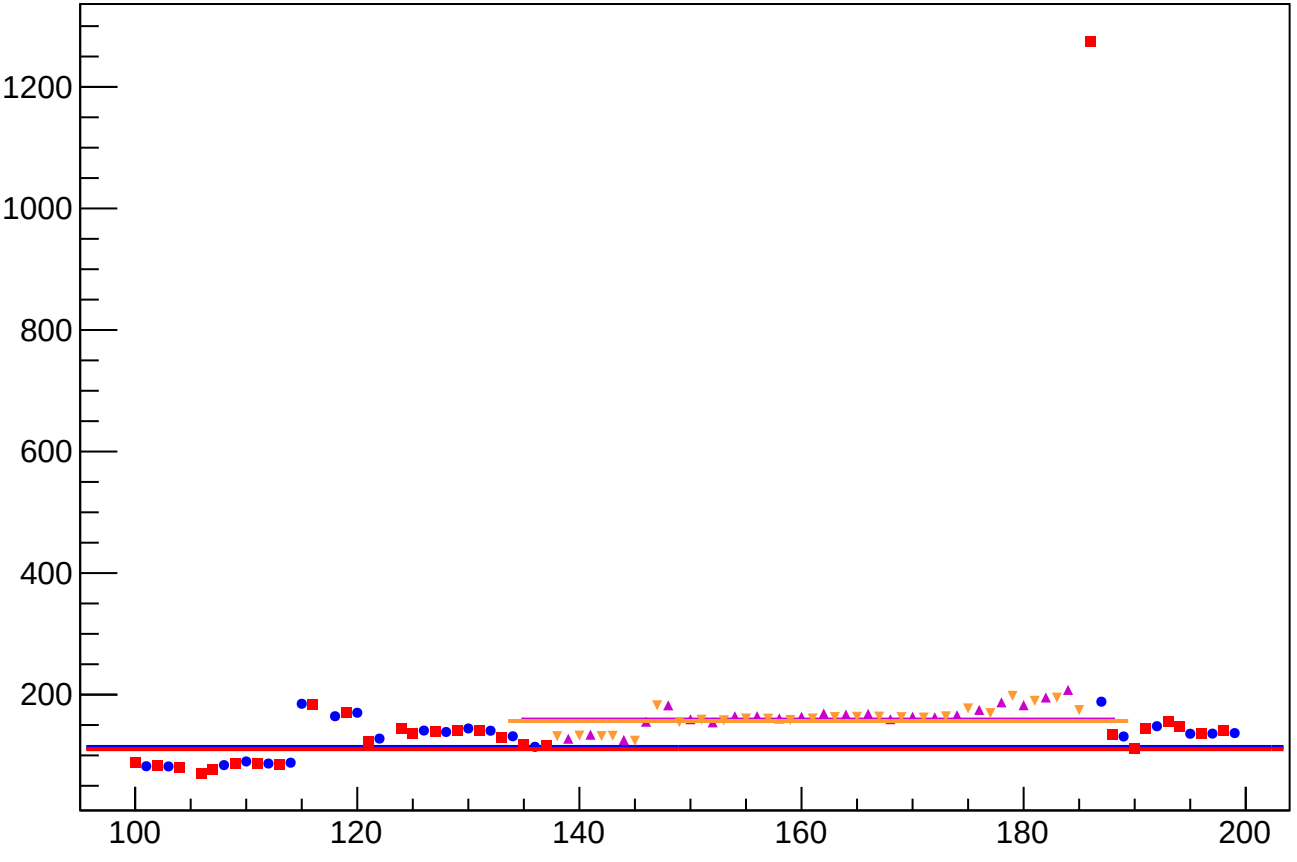
Right: 59.753+/-23.678 χ^2/NDF: 46.4/48

In: 103.813+/-25.405 χ^2/NDF:55.5/44

Out: 132.326+/-24.071 χ^2/NDF:61.6/51

All: 118.838+/-17.473 χ^2/NDF: 117.8/96

cor_asym_sam5_rms vs Slug, Sign Corrected



Right In: 113.898+/-0.024 χ^2/NDF: 1350212.5/21

Left Out: 156.638+/-0.025 χ^2/NDF:582414.5/24

Right Out: 110.246+/-0.023 χ^2/NDF: 2358252.9/26

Left In: 158.952+/-0.026 χ^2/NDF:511321.3/22

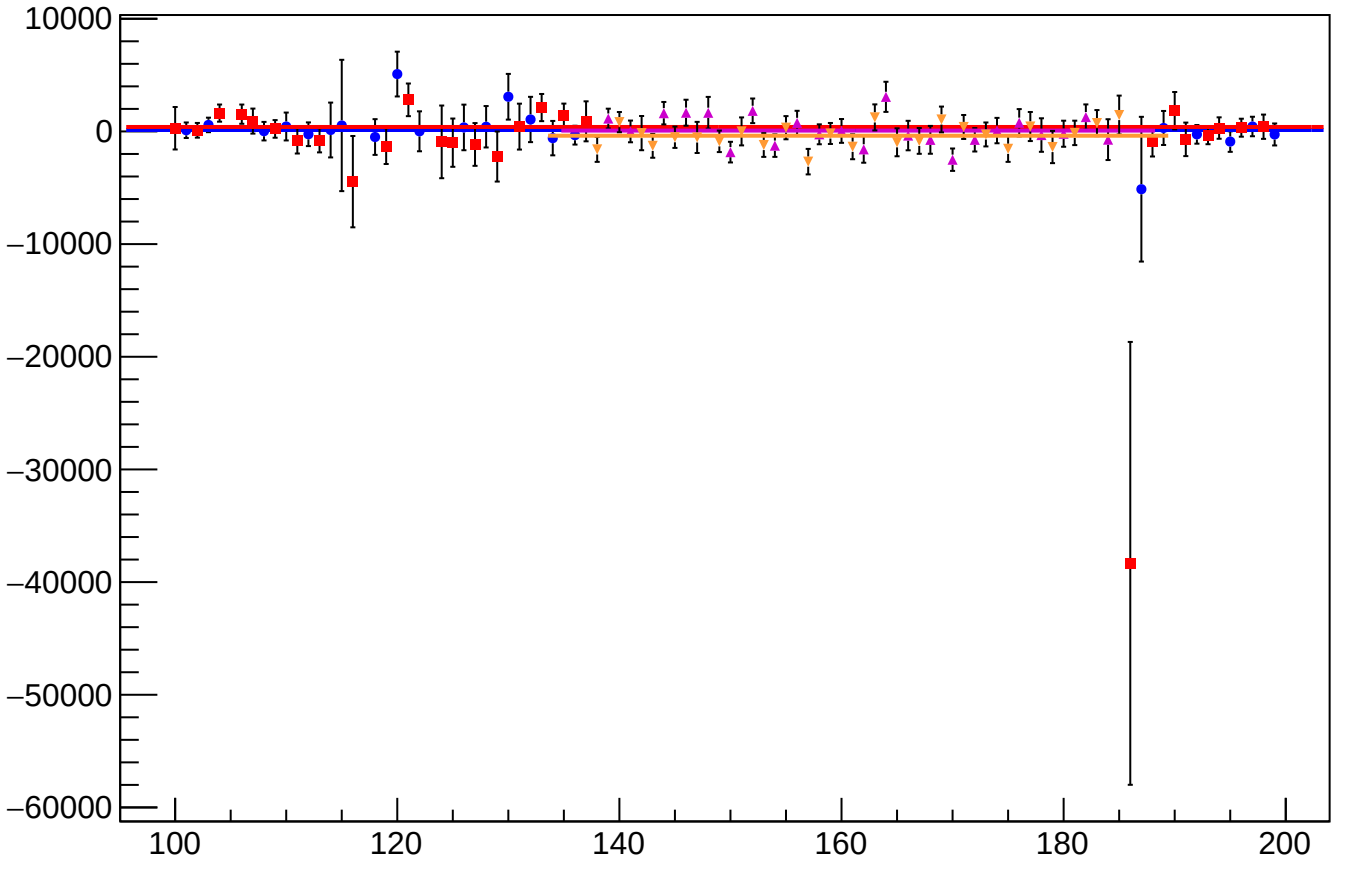
Left: 157.746+/-0.018 χ^2/NDF: 1097721.5/47

Right: 111.955+/-0.017 χ^2/NDF: 3720311.0/48

In: 134.680+/-0.018 χ^2/NDF:3424651.0/44

Out: 131.129+/-0.017 χ^2/NDF:4779417.0/51

All: 132.809+/-0.012 χ^2/NDF: 8224666.5/96



Right In: 127.432+/-241.652 χ^2/NDF: 12.5/21

Left Out: -380.678+/-224.554 χ^2/NDF:18.7/24

Right Out: 395.270+/-222.261 χ^2/NDF: 25.5/26

Left In: 74.438+/-229.788 χ^2/NDF:33.1/22

Left: -158.362+/-160.602 χ^2/NDF: 53.8/47

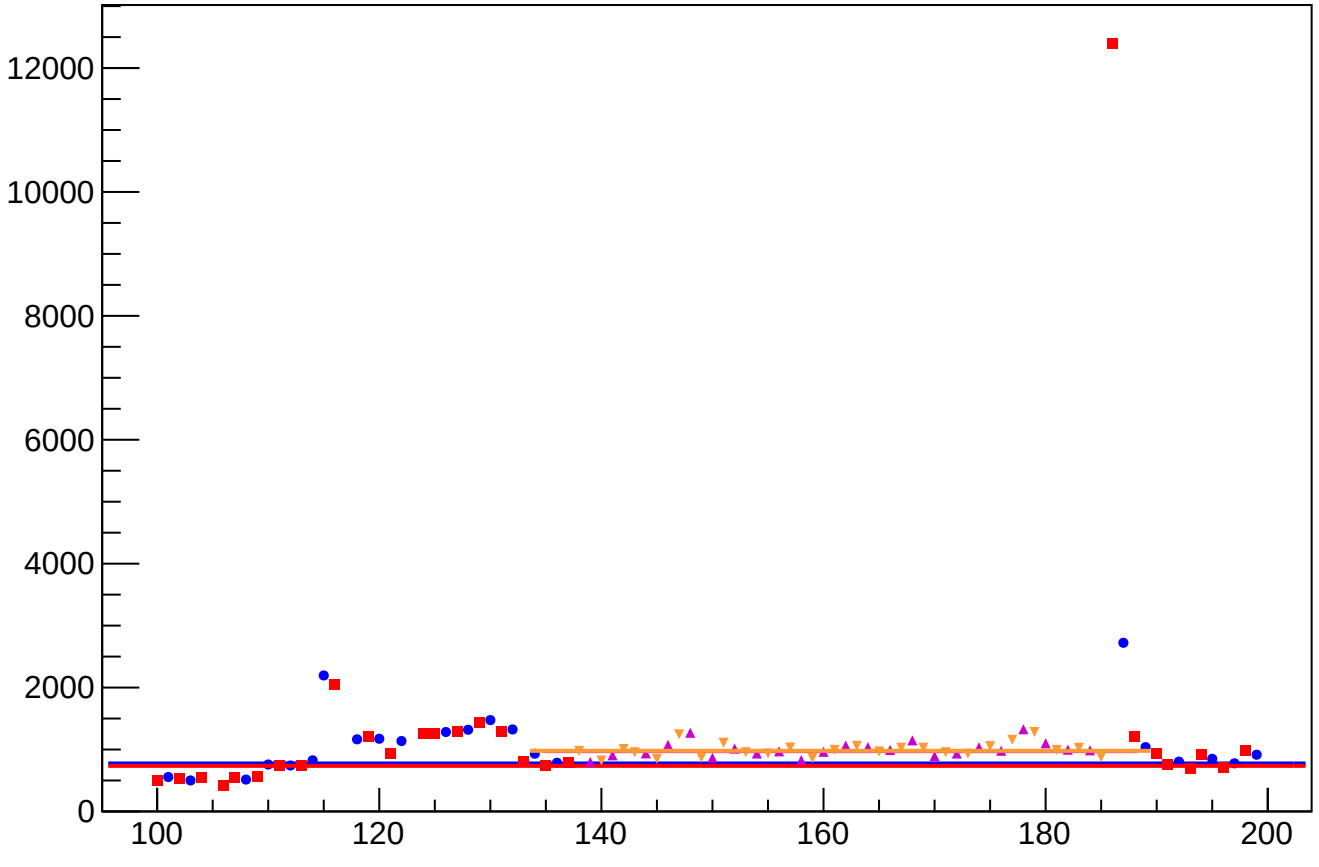
Right: 272.527+/-163.588 χ^2/NDF: 38.6/48

In: 99.603+/-166.521 χ^2/NDF:45.5/44

Out: 11.278+/-157.967 χ^2/NDF:50.2/51

All: 53.114+/-114.604 χ^2/NDF: 95.9/96

asym_sam5_cor_correction_rms vs Slug, Sign Corrected



Right In: 774.626+/-0.171 χ^2/NDF: 2181833.4/21

Left Out: 979.112+/-0.159 χ^2/NDF:429793.5/24

Right Out: 736.106+/-0.157 χ^2/NDF: 3121748.3/26

Left In: 973.818+/-0.162 χ^2/NDF:498615.1/22

Left: 976.526+/-0.114 χ^2/NDF: 928951.7/47

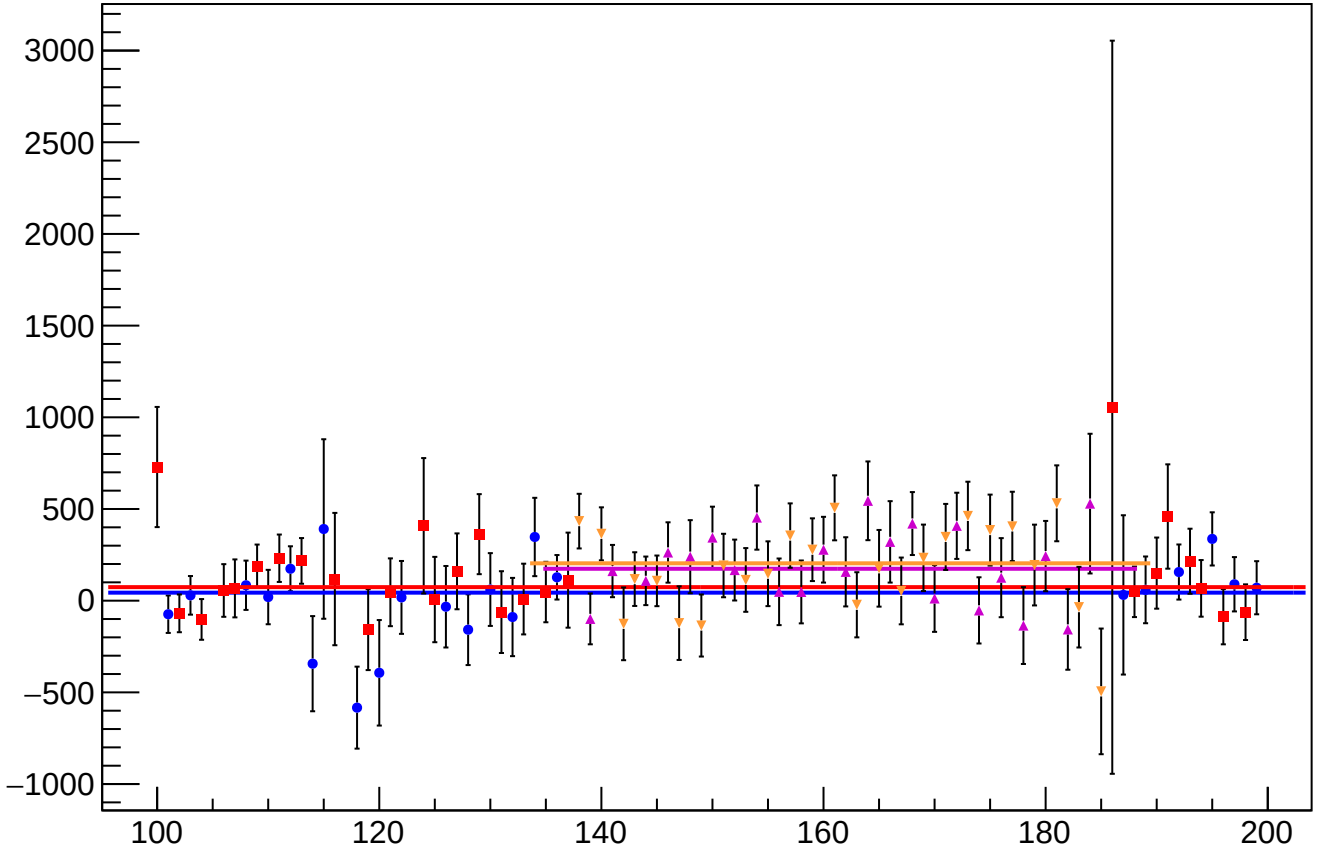
Right: 753.759+/-0.116 χ^2/NDF: 5331111.0/48

In: 879.231+/-0.118 χ^2/NDF:3394084.1/44

Out: 856.362+/-0.112 χ^2/NDF:4734657.1/51

All: 867.194+/-0.081 χ^2/NDF: 8148596.3/96

eigen_cor_asym_sam5_mean vs Slug, Sign Corrected



Right In: 43.734+/-34.613 χ^2/NDF: 24.4/21

Left Out: 203.766+/-35.878 χ^2/NDF:32.9/24

Right Out: 73.843+/-32.462 χ^2/NDF: 21.6/26

Left In: 173.978+/-37.405 χ^2/NDF:24.5/22

Left: 189.493+/-25.893 χ^2/NDF: 57.7/47

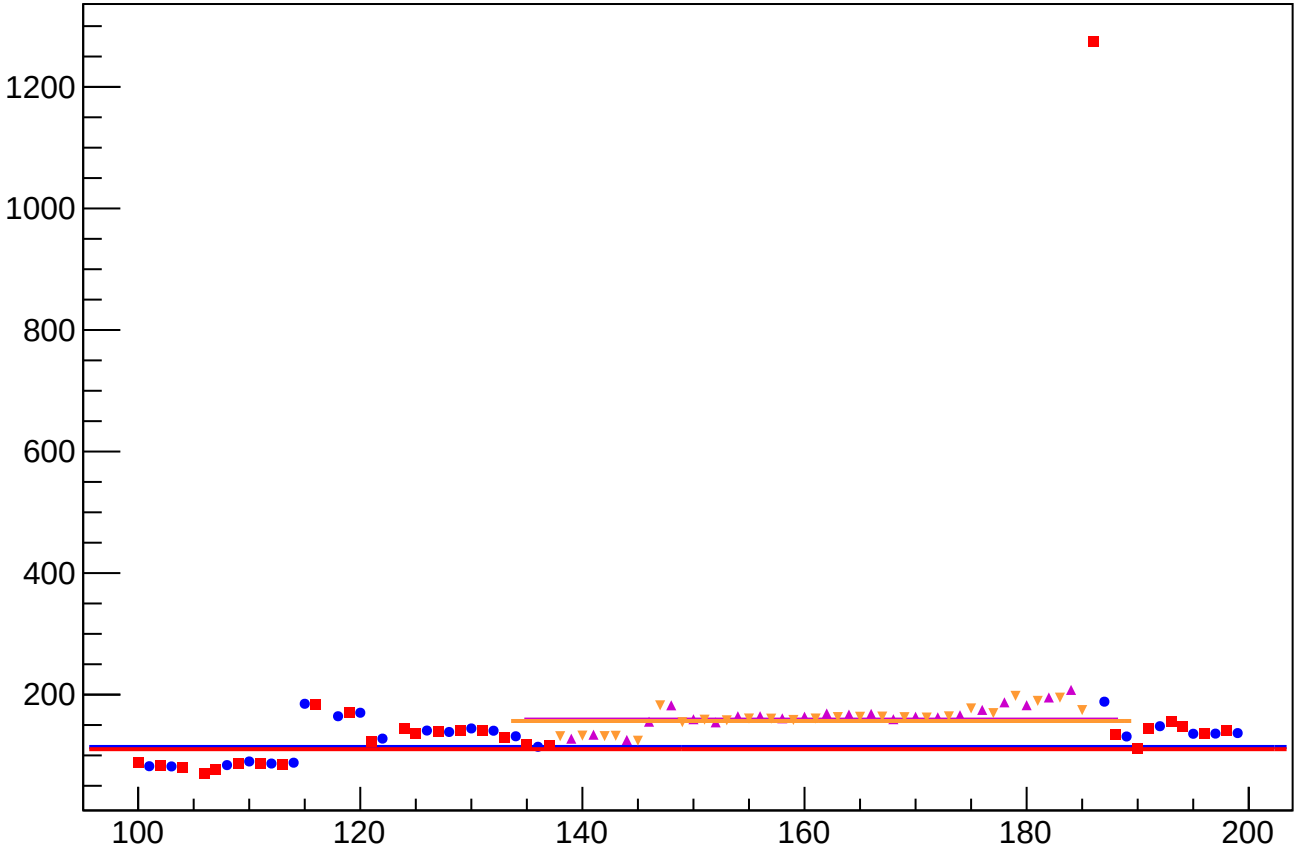
Right: 59.753+/-23.678 χ^2/NDF: 46.4/48

In: 103.813+/-25.405 χ^2/NDF:55.5/44

Out: 132.326+/-24.071 χ^2/NDF:61.6/51

All: 118.838+/-17.473 χ^2/NDF: 117.8/96

eigen_cor_asym_sam5_rms vs Slug, Sign Corrected



Right In: 113.898+/-0.024 χ^2/NDF: 1350212.5/21

Left Out: 156.638+/-0.025 χ^2/NDF:582414.5/24

Right Out: 110.246+/-0.023 χ^2/NDF: 2358252.9/26

Left In: 158.952+/-0.026 χ^2/NDF:511321.3/22

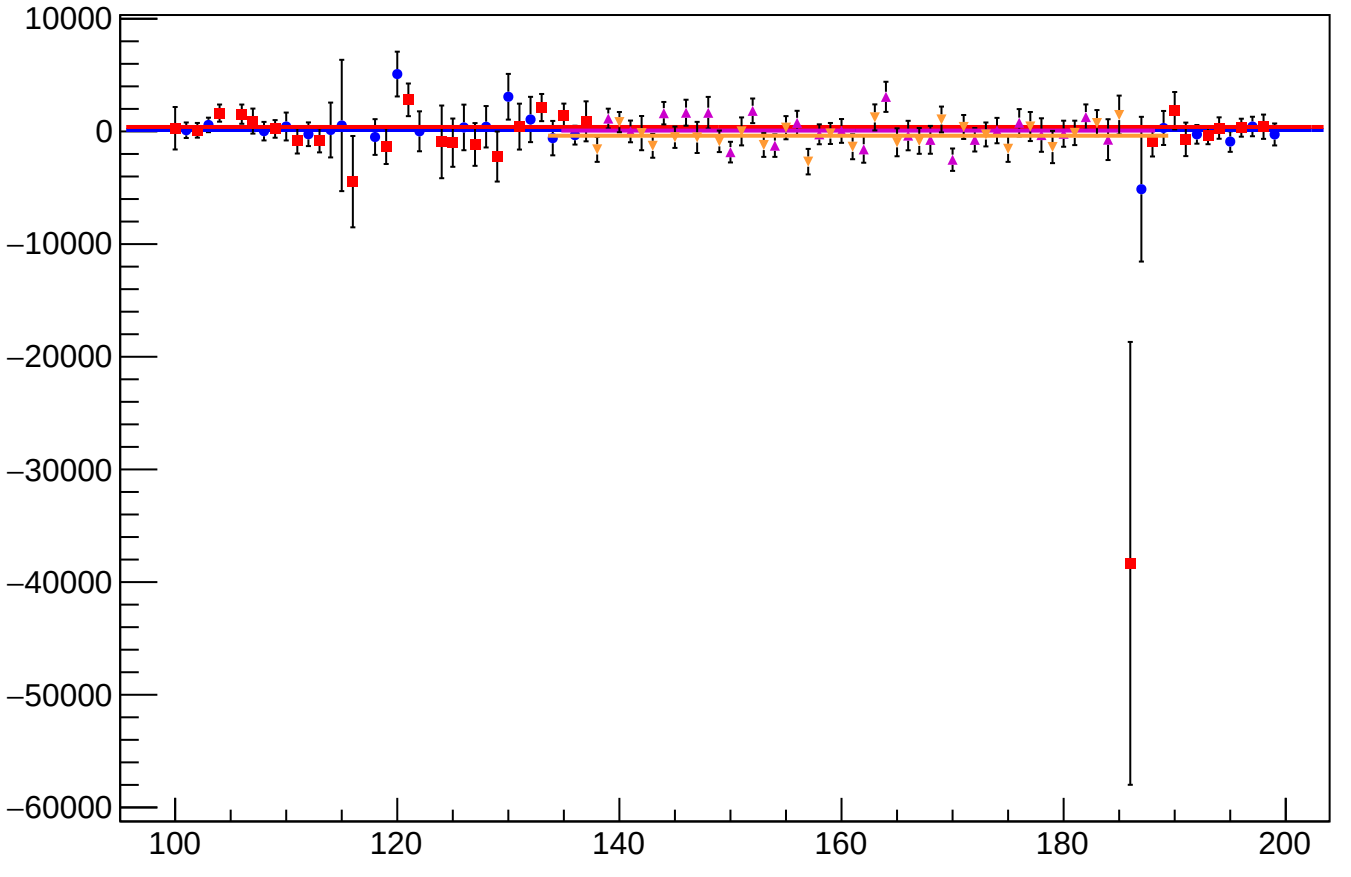
Left: 157.746+/-0.018 χ^2/NDF: 1097721.5/47

Right: 111.955+/-0.017 χ^2/NDF: 3720311.0/48

In: 134.680+/-0.018 χ^2/NDF:3424651.0/44

Out: 131.129+/-0.017 χ^2/NDF:4779417.0/51

All: 132.809+/-0.012 χ^2/NDF: 8224666.5/96



Right In: 127.432+/-241.652 χ^2/NDF: 12.5/21

Left Out: -380.678+/-224.554 χ^2/NDF:18.7/24

Right Out: 395.270+/-222.261 χ^2/NDF: 25.5/26

Left In: 74.438+/-229.788 χ^2/NDF:33.1/22

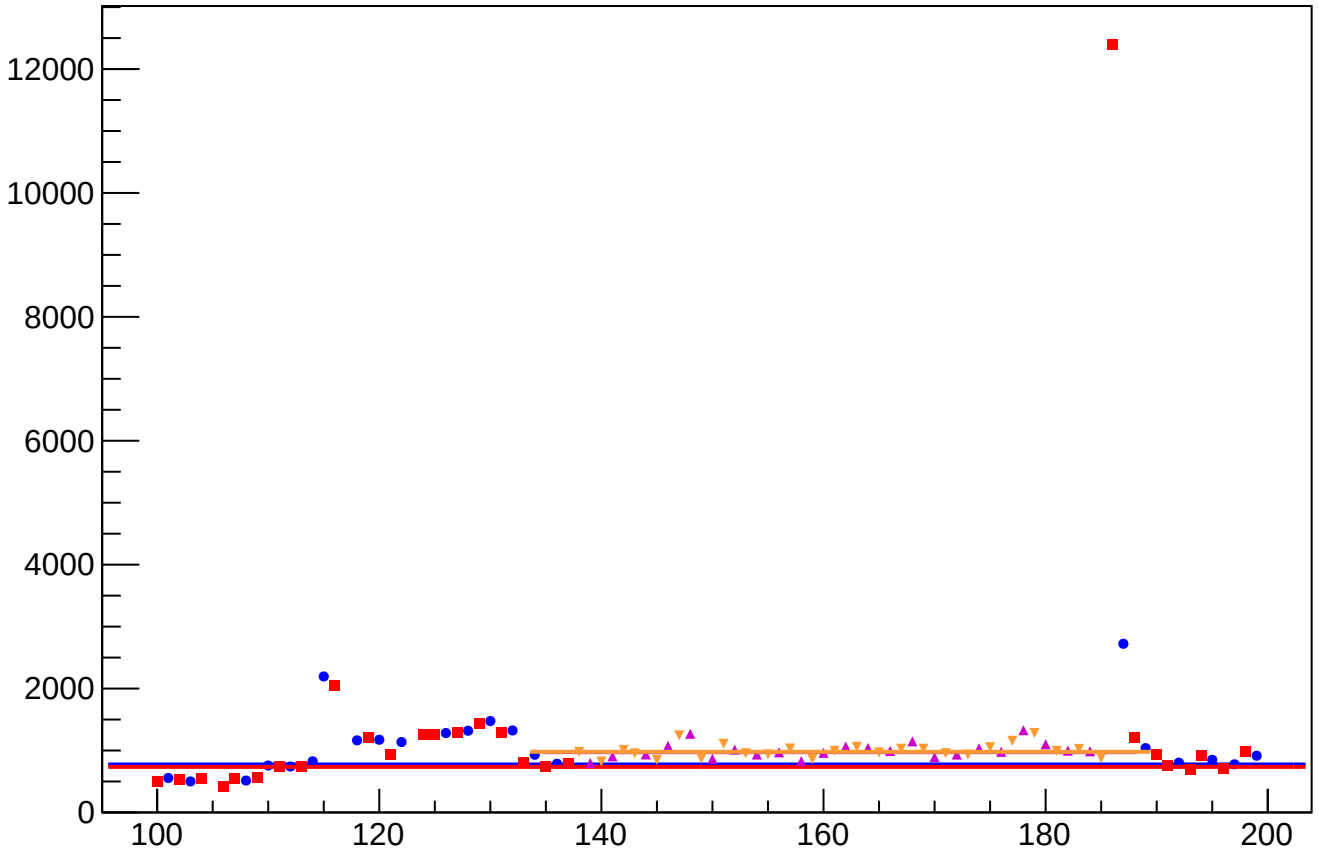
Left: -158.362+/-160.602 χ^2/NDF: 53.8/47

Right: 272.527+/-163.588 χ^2/NDF: 38.6/48

In: 99.603+/-166.521 χ^2/NDF:45.5/44

Out: 11.278+/-157.967 χ^2/NDF:50.2/51

All: 53.114+/-114.604 χ^2/NDF: 95.9/96



Right In: 774.626+/-0.171 χ^2/NDF: 2181833.4/21

Left Out: 979.112+/-0.159 χ^2/NDF:429793.5/24

Right Out: 736.106+/-0.157 χ^2/NDF: 3121748.3/26

Left In: 973.818+/-0.162 χ^2/NDF:498615.1/22

Left: 976.526+/-0.114 χ^2/NDF: 928951.7/47

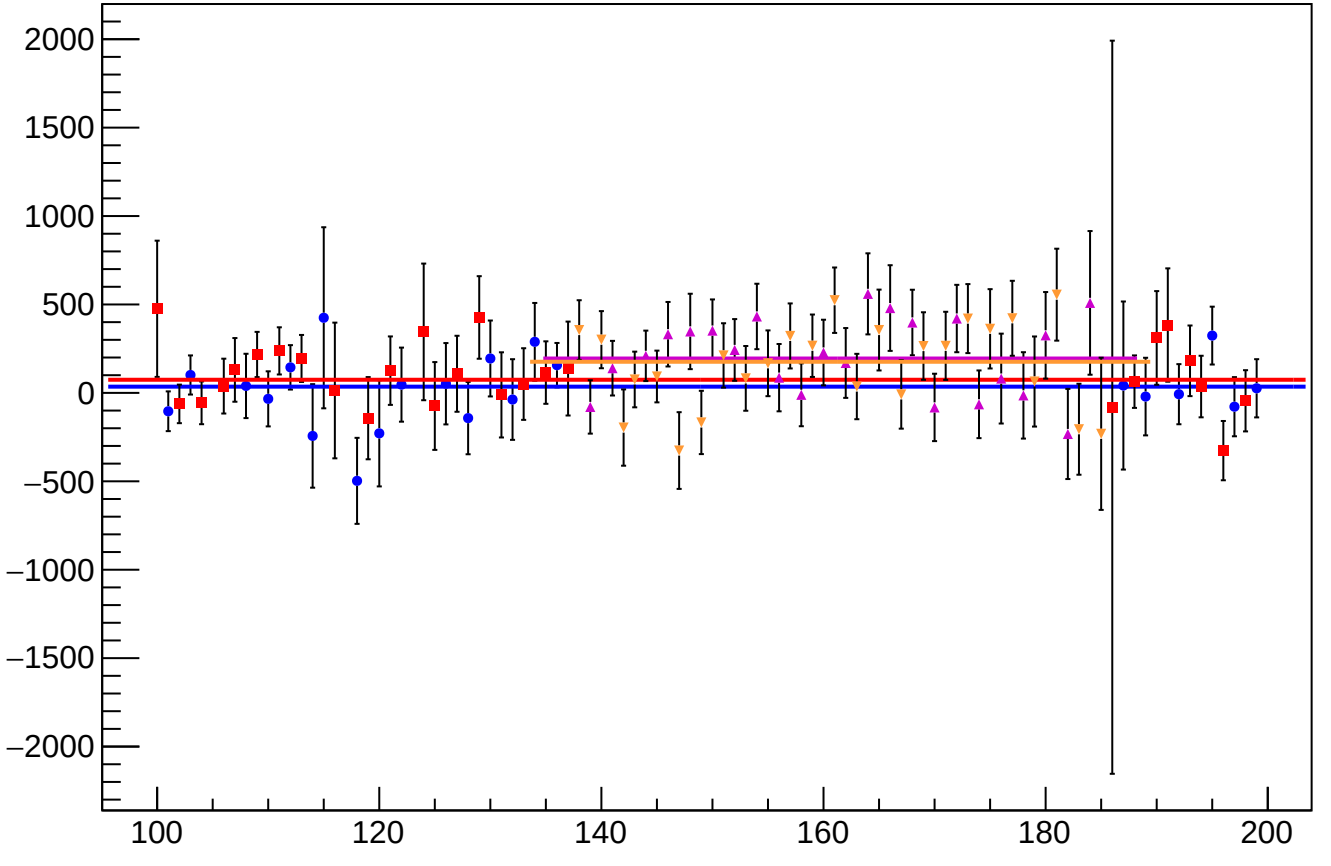
Right: 753.759+/-0.116 χ^2/NDF: 5331111.0/48

In: 879.231+/-0.118 χ^2/NDF:3394084.1/44

Out: 856.362+/-0.112 χ^2/NDF:4734657.1/51

All: 867.194+/-0.081 χ^2/NDF: 8148596.3/96

dit_asym_sam5_mean vs Slug, Sign Corrected



Right In: 35.226+/-37.802 χ^2/NDF: 17.3/21

Left Out: 176.010+/-38.838 χ^2/NDF:30.8/24

Right Out: 74.249+/-35.241 χ^2/NDF: 20.2/26

Left In: 194.324+/-40.384 χ^2/NDF:23.8/22

Left: 184.810+/-27.993 χ^2/NDF: 54.7/47

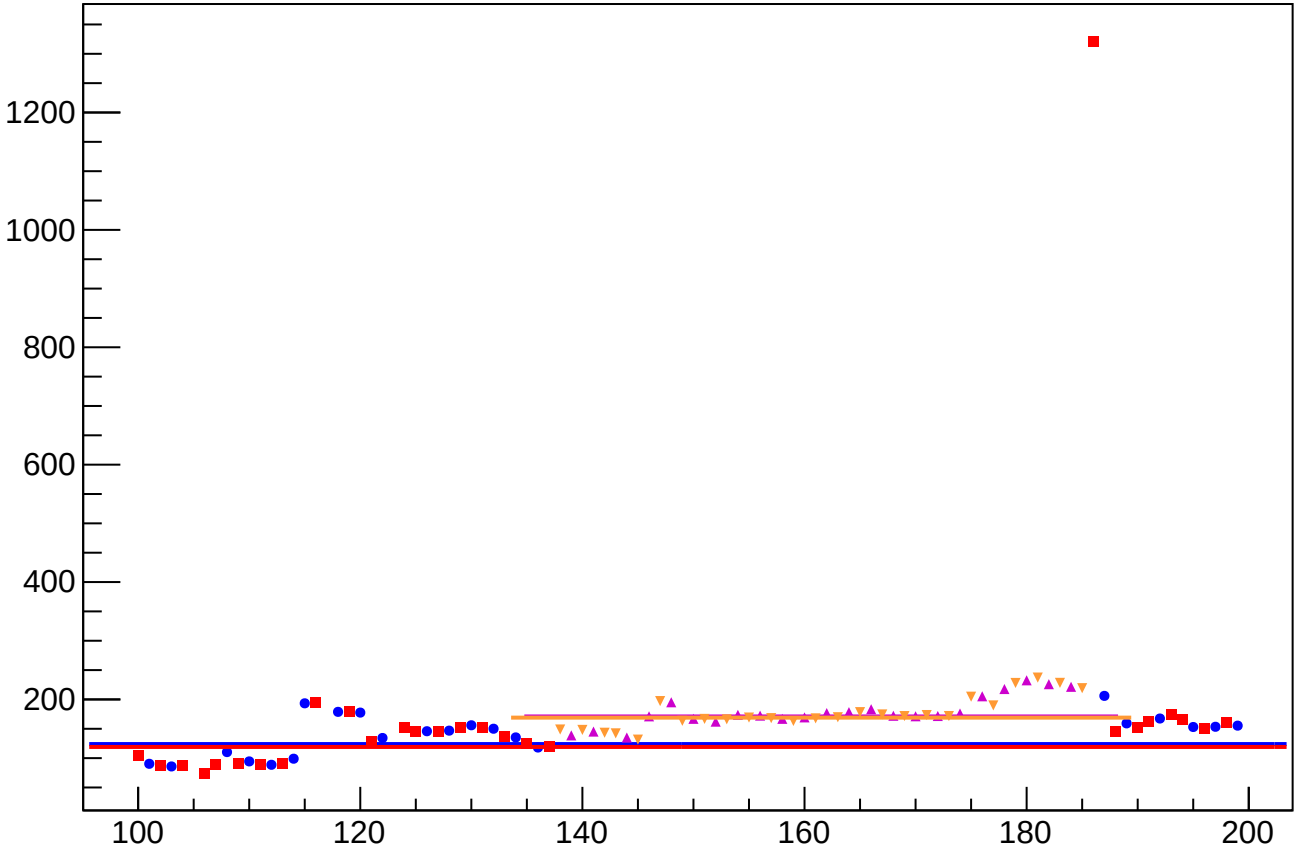
Right: 56.104+/-25.777 χ^2/NDF: 38.0/48

In: 109.527+/-27.597 χ^2/NDF:49.4/44

Out: 120.201+/-26.098 χ^2/NDF:54.7/51

All: 115.162+/-18.962 χ^2/NDF: 104.2/96

dit_asym_sam5_rms vs Slug, Sign Corrected



Right In: 123.974+/-0.027 χ^2/NDF: 1443753.4/21

Left Out: 169.009+/-0.027 χ^2/NDF:773937.9/24

Right Out: 119.057+/-0.025 χ^2/NDF: 2498751.6/26

Left In: 171.021+/-0.029 χ^2/NDF:678106.1/22

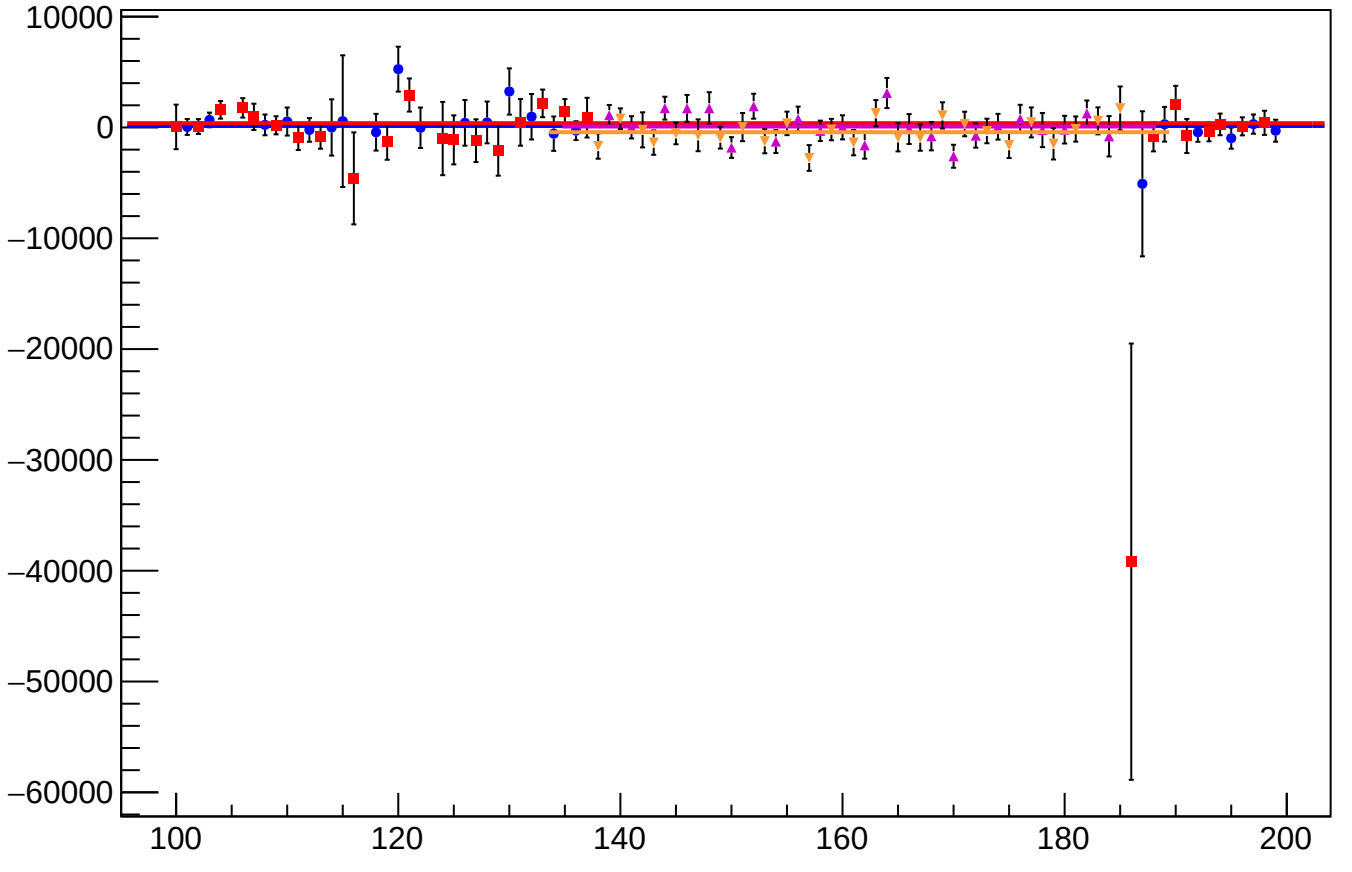
Left: 169.976+/-0.020 χ^2/NDF: 1454622.7/47

Right: 121.343+/-0.018 χ^2/NDF: 3960603.5/48

In: 145.945+/-0.020 χ^2/NDF:3568656.4/44

Out: 141.614+/-0.018 χ^2/NDF:5087178.9/51

All: 143.659+/-0.013 χ^2/NDF: 8681843.9/96



Right In: 137.840+/-250.397 χ^2/NDF: 12.9/21

Left Out: -425.819+/-232.561 χ^2/NDF:18.4/24

Right Out: 384.534+/-229.615 χ^2/NDF: 26.2/26

Left In: 86.486+/-238.155 χ^2/NDF:32.4/22

Left: -175.754+/-166.388 χ^2/NDF: 53.2/47

Right: 271.847+/-169.233 χ^2/NDF: 39.6/48

In: 110.877+/-172.566 χ^2/NDF:45.4/44

Out: -15.478+/-163.394 χ^2/NDF:50.7/51

All: 44.252+/-118.647 χ^2/NDF: 96.3/96

asym_sam5_dit_correction_rms vs Slug, Sign Corrected

Right In: 805.686+/-0.177 χ^2/NDF: 2062066.6/21

Left Out: 1015.046+/-0.164 χ^2/NDF:397966.2/24

Right Out: 764.888+/-0.162 χ^2/NDF: 2991804.2/26

Left In: 1009.672+/-0.168 χ^2/NDF:498783.5/22

Left: 1012.423+/-0.118 χ^2/NDF: 897271.1/47

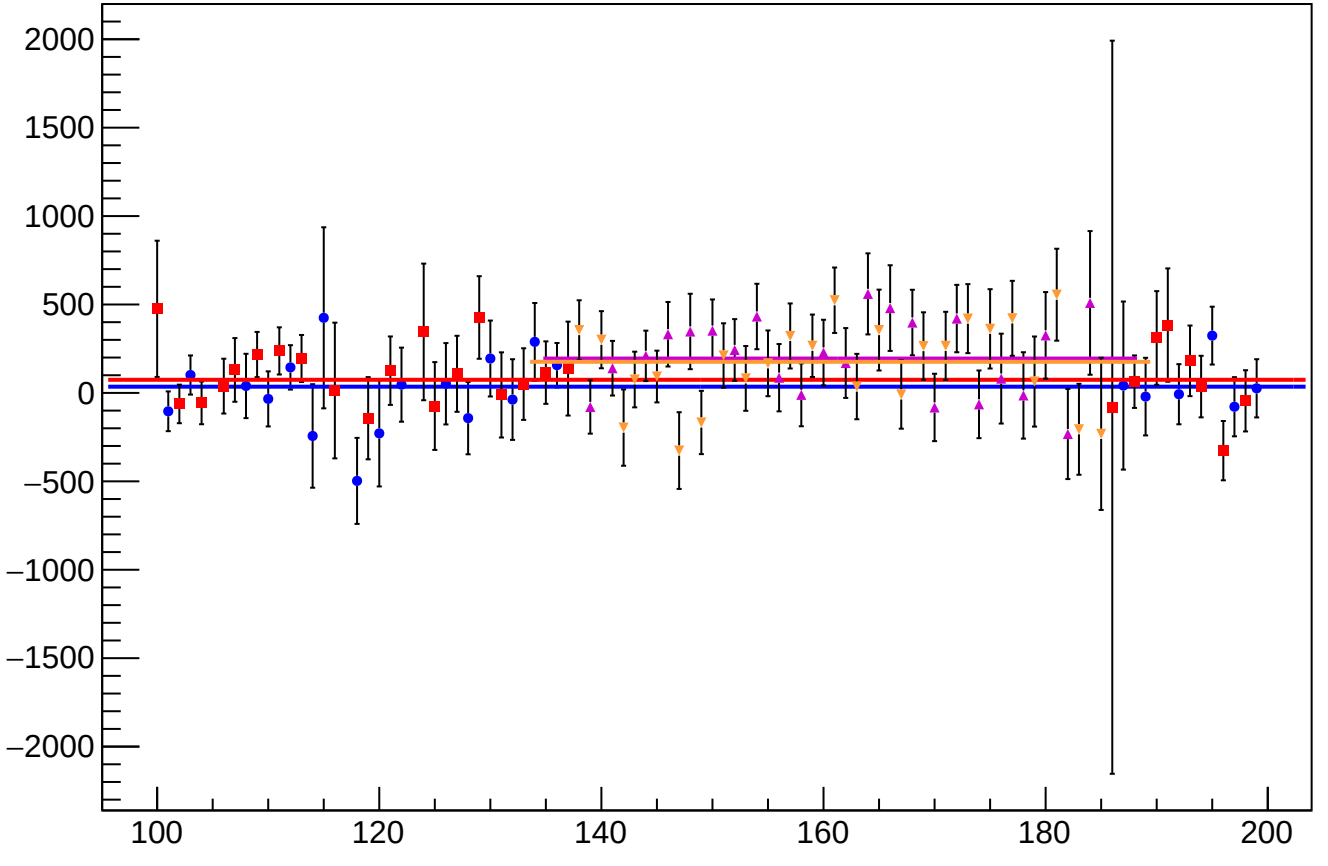
Right: 783.524+/-0.120 χ^2/NDF: 5082712.1/48

In: 912.787+/-0.122 χ^2/NDF:3257747.0/44

Out: 888.373+/-0.116 χ^2/NDF:4561581.1/51

All: 899.914+/-0.084 χ^2/NDF: 7840436.3/96

eigen_dit_asym_sam5_mean vs Slug, Sign Corrected



Right In: 35.226+/-37.802 χ^2/NDF: 17.3/21

Left Out: 176.011+/-38.838 χ^2/NDF:30.8/24

Right Out: 74.249+/-35.241 χ^2/NDF: 20.2/26

Left In: 194.324+/-40.384 χ^2/NDF:23.8/22

Left: 184.810+/-27.993 χ^2/NDF: 54.7/47

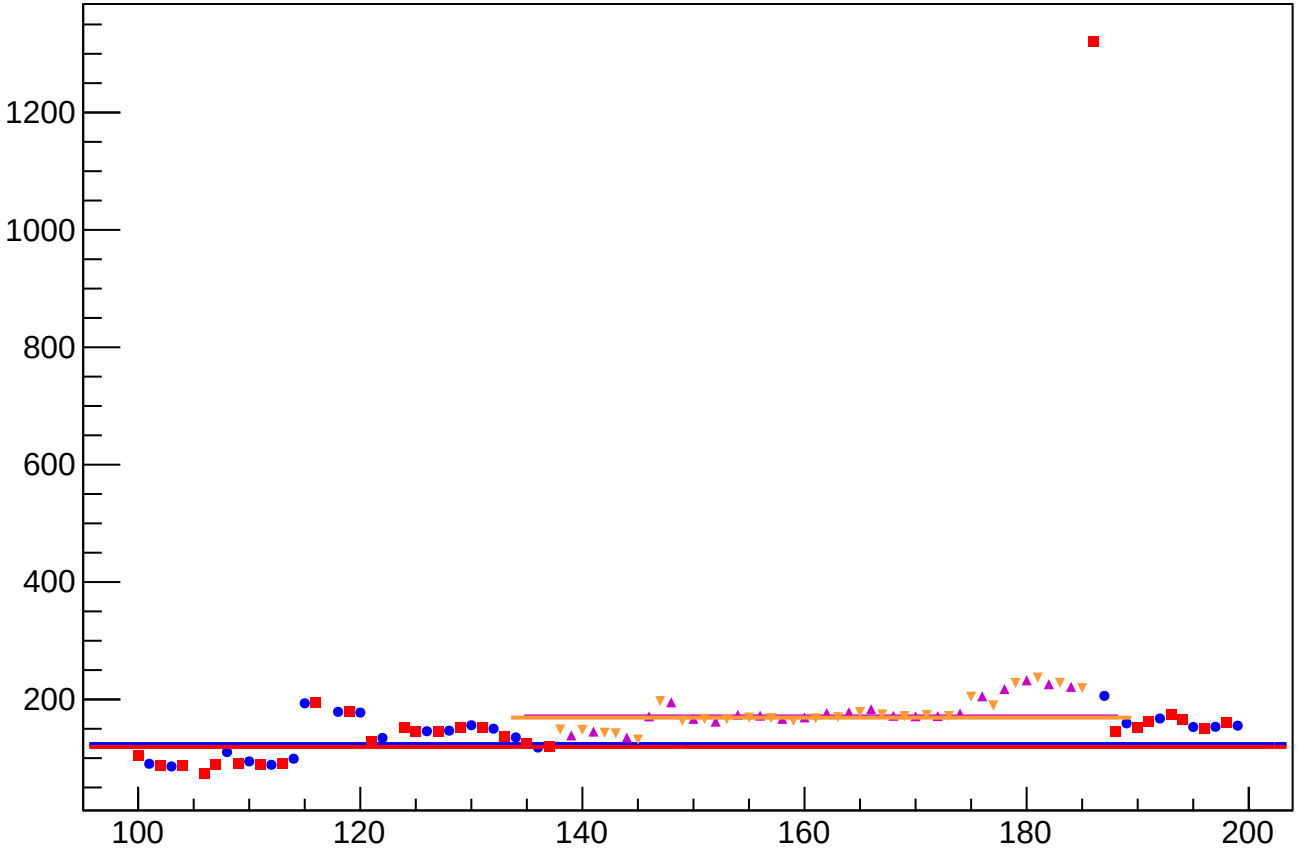
Right: 56.104+/-25.777 χ^2/NDF: 38.0/48

In: 109.526+/-27.597 χ^2/NDF:49.4/44

Out: 120.201+/-26.098 χ^2/NDF:54.7/51

All: 115.162+/-18.962 χ^2/NDF: 104.2/96

eigen_dit_asym_sam5_rms vs Slug, Sign Corrected



Right In: 123.973+/-0.027 χ^2/NDF: 1443758.4/21

Left Out: 169.009+/-0.027 χ^2/NDF:773925.9/24

Right Out: 119.057+/-0.025 χ^2/NDF: 2498751.0/26

Left In: 171.021+/-0.029 χ^2/NDF:678096.1/22

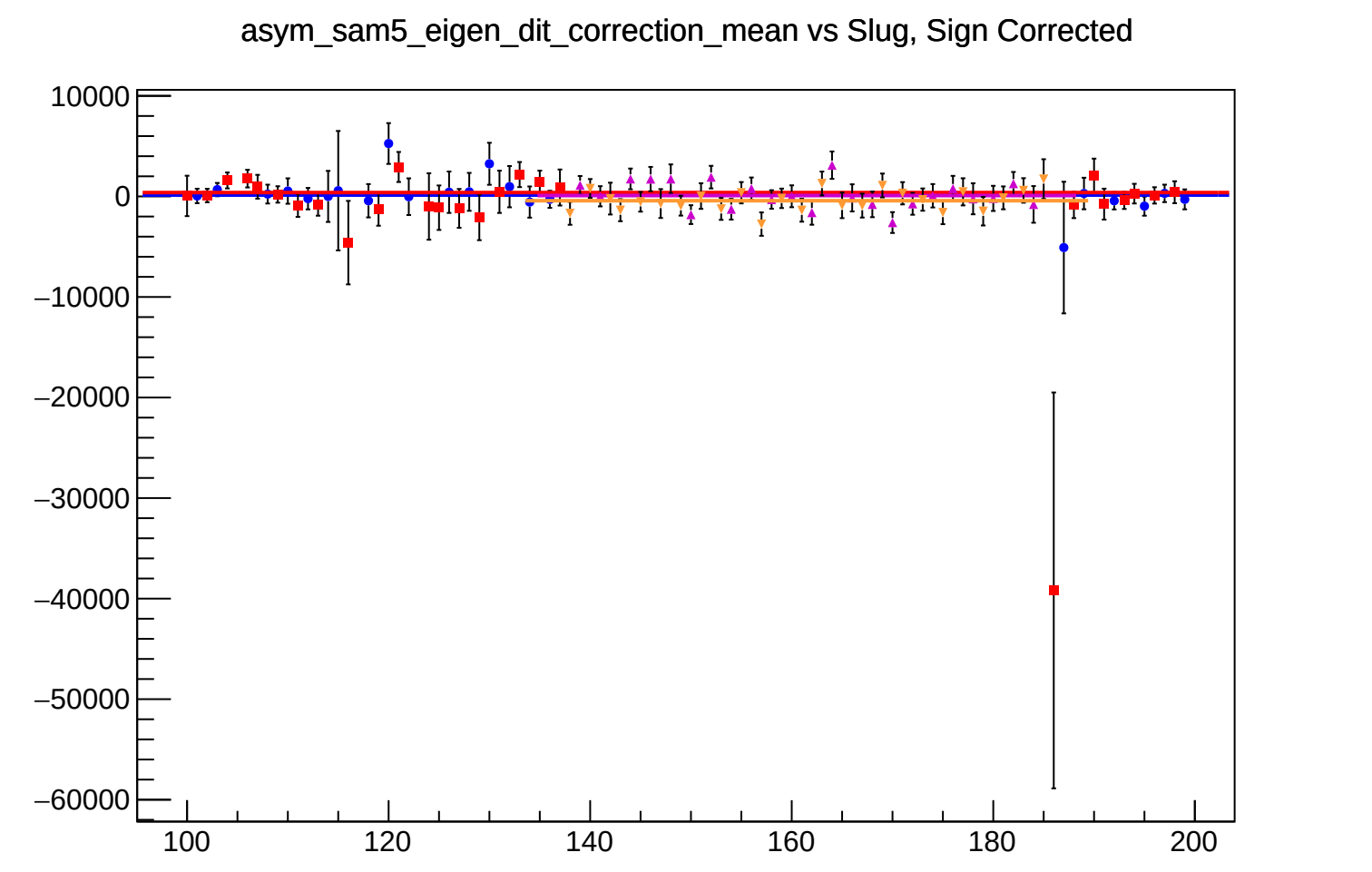
Left: 169.976+/-0.020 χ^2/NDF: 1454601.1/47

Right: 121.343+/-0.018 χ^2/NDF: 3960607.2/48

In: 145.945+/-0.020 χ^2/NDF:3568685.1/44

Out: 141.614+/-0.018 χ^2/NDF:5087188.5/51

All: 143.659+/-0.013 χ^2/NDF: 8681882.2/96



Right In: 137.841+/-250.397 χ^2/NDF: 12.9/21

Left Out: -425.818+/-232.561 χ^2/NDF:18.4/24

Right Out: 384.534+/-229.615 χ^2/NDF: 26.2/26

Left In: 86.487+/-238.155 χ^2/NDF:32.4/22

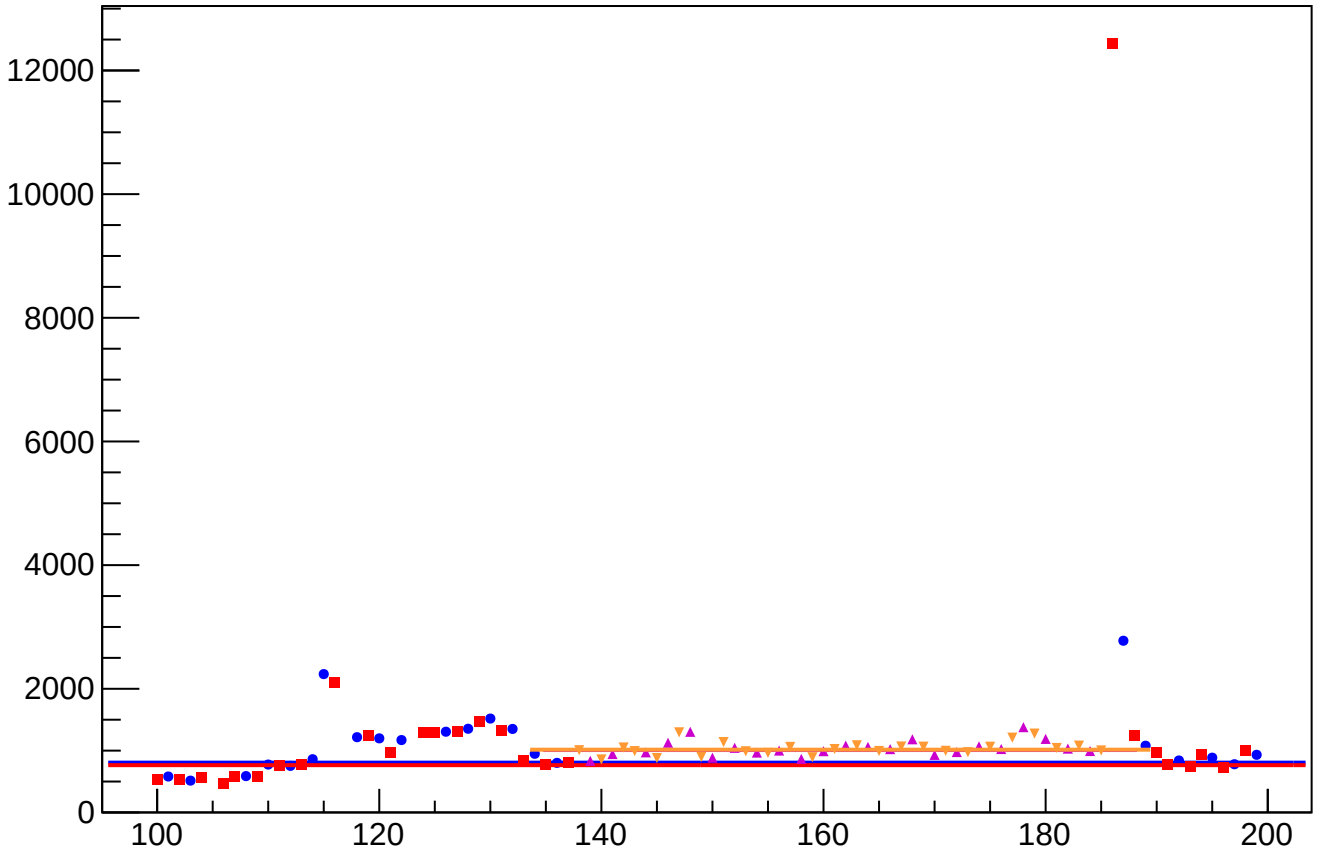
Left: -175.753+/-166.388 χ^2/NDF: 53.2/47

Right: 271.848+/-169.233 χ^2/NDF: 39.6/48

In: 110.878+/-172.566 χ^2/NDF:45.4/44

Out: -15.477+/-163.394 χ^2/NDF:50.7/51

All: 44.253+/-118.647 χ^2/NDF: 96.3/96



Right In: 805.685+/-0.177 χ^2/NDF: 2062067.7/21

Left Out: 1015.047+/-0.164 χ^2/NDF:397964.6/24

Right Out: 764.887+/-0.162 χ^2/NDF: 2991808.4/26

Left In: 1009.673+/-0.168 χ^2/NDF:498783.6/22

Left: 1012.424+/-0.118 χ^2/NDF: 897269.4/47

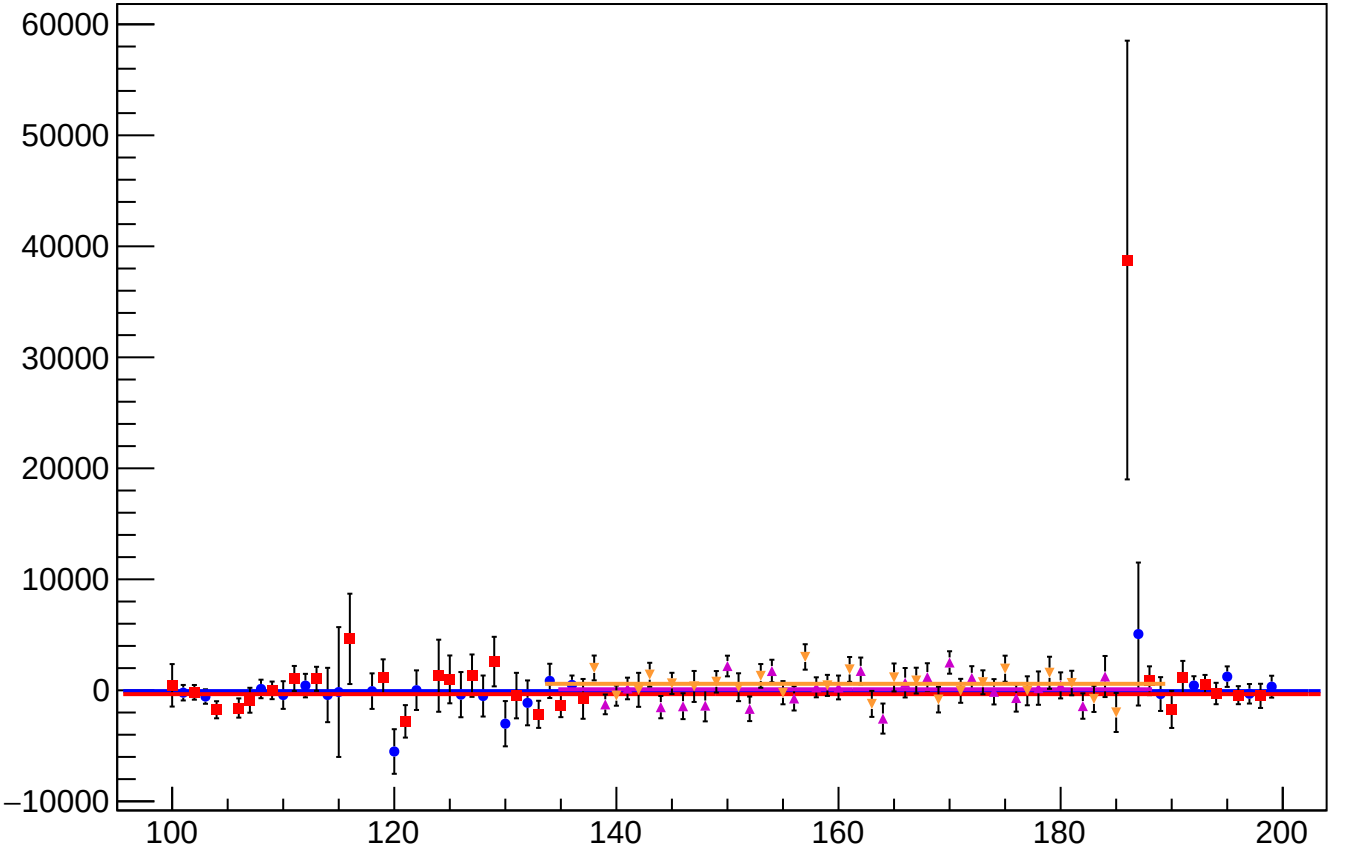
Right: 783.523+/-0.120 χ^2/NDF: 5082717.2/48

In: 912.787+/-0.122 χ^2/NDF:3257761.8/44

Out: 888.373+/-0.116 χ^2/NDF:4561598.9/51

All: 899.914+/-0.084 χ^2/NDF: 7840469.1/96

asym_sam5_mean vs Slug, Sign Corrected



Right In: -70.331+/-244.594 χ^2/NDF: 14.8/21

Left Out: 586.188+/-227.585 χ^2/NDF:20.8/24

Right Out: -344.513+/-225.156 χ^2/NDF: 28.5/26

Left In: 92.688+/-233.019 χ^2/NDF:34.6/22

Left: 345.259+/-162.814 χ^2/NDF: 57.6/47

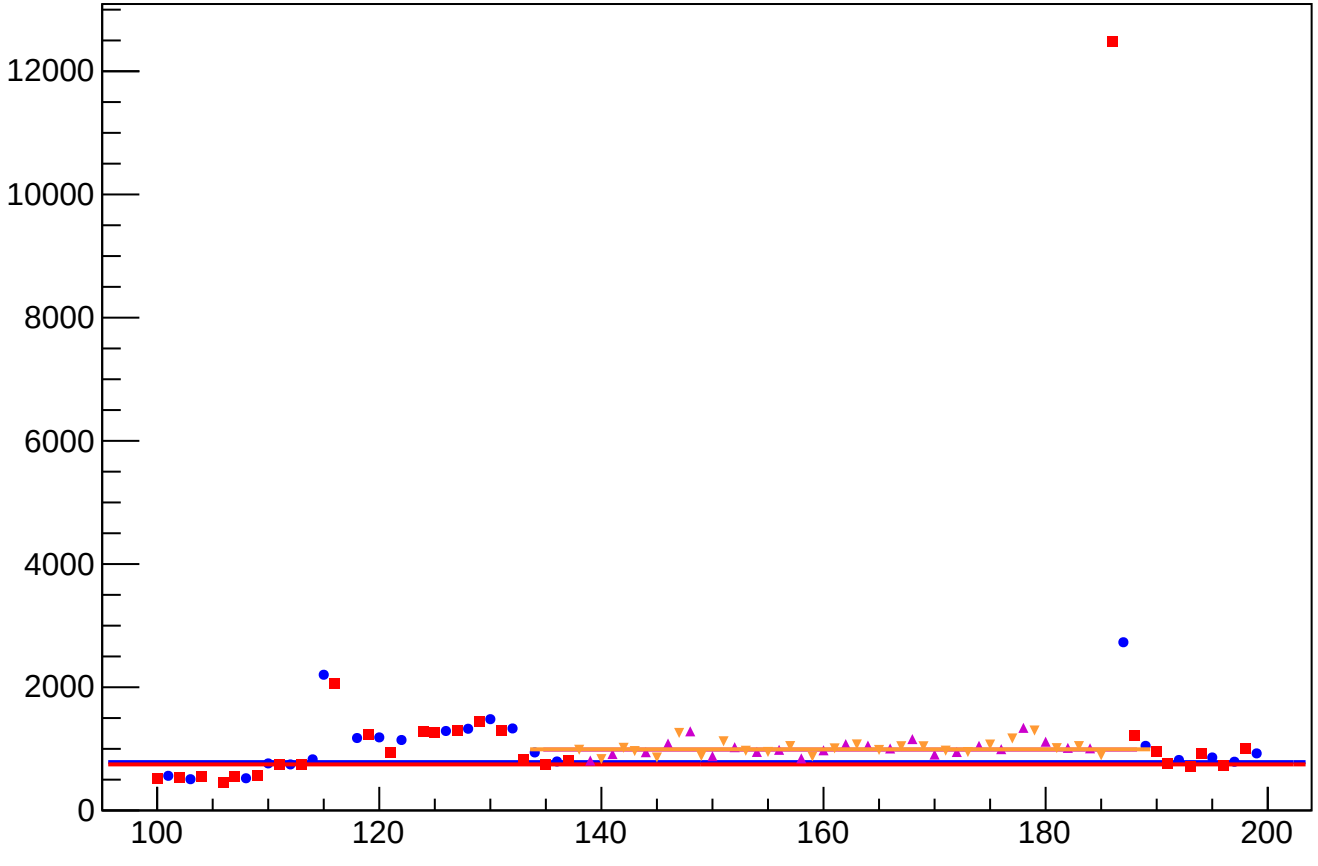
Right: -218.748+/-165.656 χ^2/NDF: 44.0/48

In: 15.127+/-168.713 χ^2/NDF:49.6/44

Out: 115.845+/-160.061 χ^2/NDF:57.7/51

All: 68.135+/-116.119 χ^2/NDF: 107.5/96

asym_sam5_rms vs Slug, Sign Corrected



Right In: 784.629+/-0.173 χ^2/NDF: 2159583.2/21

Left Out: 992.549+/-0.161 χ^2/NDF:424899.6/24

Right Out: 747.748+/-0.159 χ^2/NDF: 3062780.3/26

Left In: 987.784+/-0.165 χ^2/NDF:487733.2/22

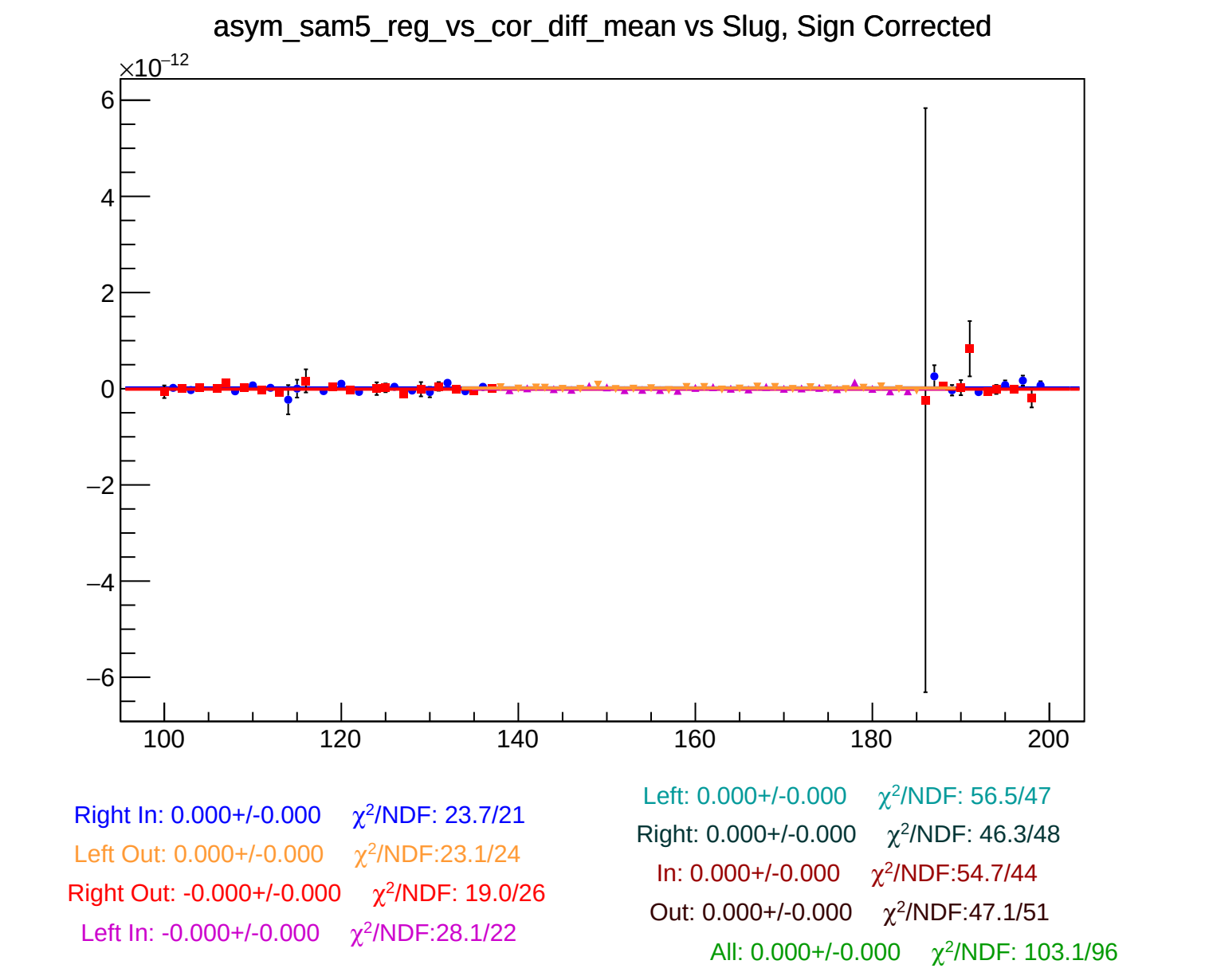
Left: 990.223+/-0.115 χ^2/NDF: 913060.8/47

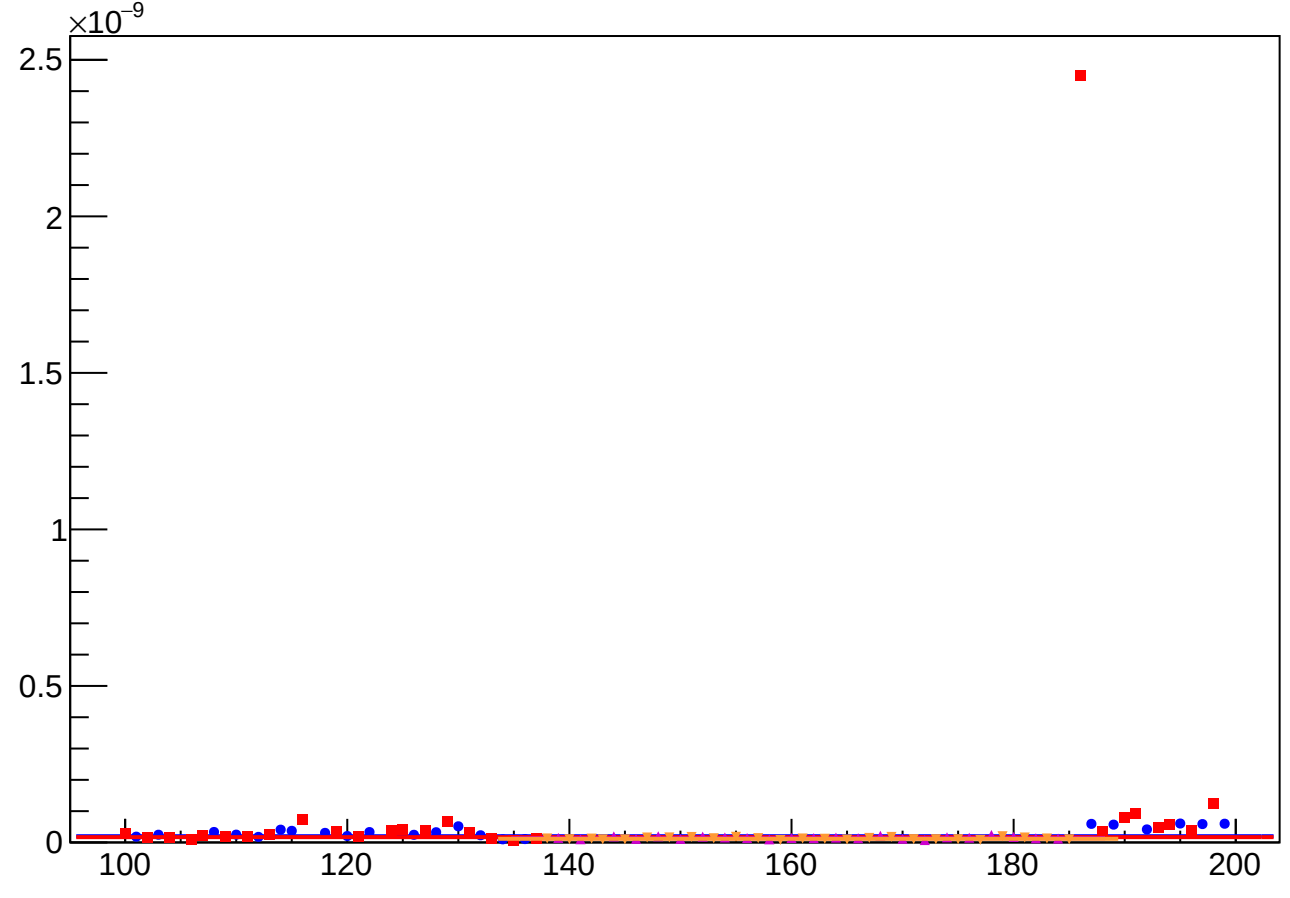
Right: 764.665+/-0.117 χ^2/NDF: 5246977.4/48

In: 891.127+/-0.119 χ^2/NDF:3370597.2/44

Out: 868.836+/-0.113 χ^2/NDF:4657103.6/51

All: 879.395+/-0.082 χ^2/NDF: 8046076.5/96


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: 23.7/21
Left Out: 0.000+/-0.000 χ²/NDF:23.1/24
Right Out: -0.000+/-0.000 χ²/NDF: 19.0/26
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: 46.3/48
In: 0.000+/-0.000 χ²/NDF:54.7/44
Out: 0.000+/-0.000 χ²/NDF:47.1/51
All: 0.000+/-0.000 χ²/NDF: 103.1/96



Right In: 0.000+/-0.000 χ^2/NDF: 2791576.5/21

Left Out: 0.000+/-0.000 χ^2/NDF:762184.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4237870.5/26

Left In: 0.000+/-0.000 χ^2/NDF:853838.4/22

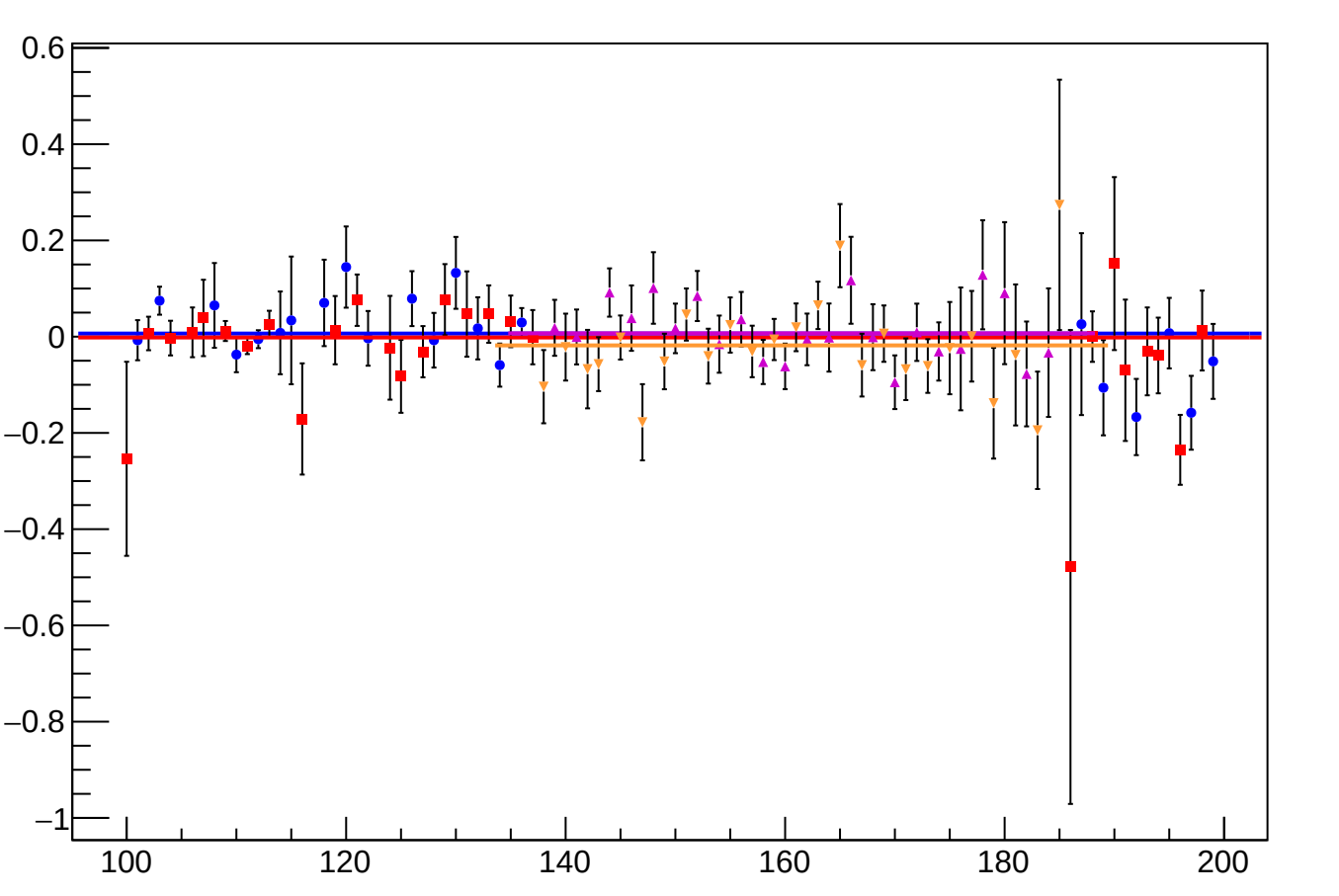
Left: 0.000+/-0.000 χ^2/NDF: 1727958.5/47

Right: 0.000+/-0.000 χ^2/NDF: 7128234.0/48

In: 0.000+/-0.000 χ^2/NDF:4290649.2/44

Out: 0.000+/-0.000 χ^2/NDF:5539290.1/51

All: 0.000+/-0.000 χ^2/NDF: 10034366.6/96



Right In: 0.006+/-0.010 χ^2/NDF: 29.7/21

Left Out: -0.018+/-0.013 χ^2/NDF:24.3/24

Right Out: -0.002+/-0.009 χ^2/NDF: 25.2/26

Left In: 0.007+/-0.013 χ^2/NDF:18.7/22

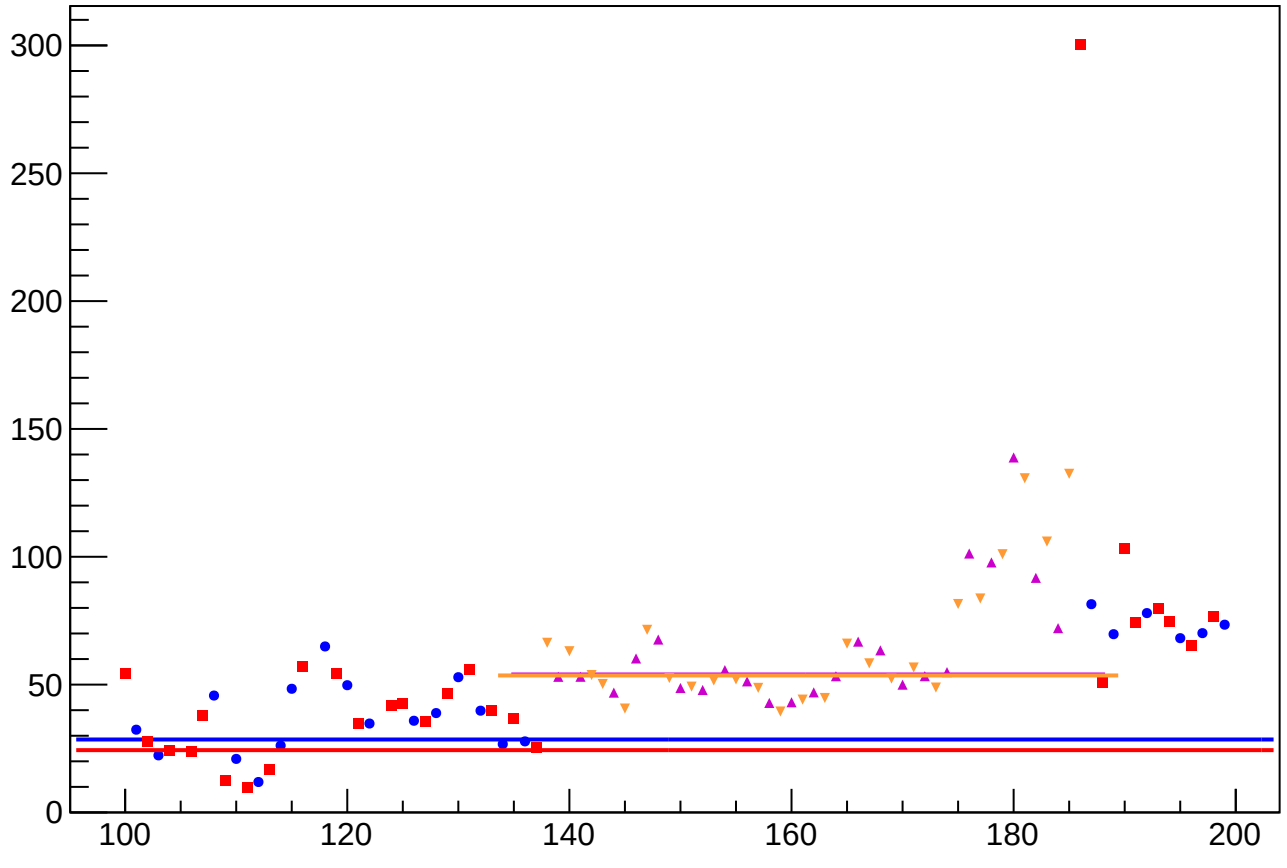
Left: -0.006+/-0.009 χ^2/NDF: 44.9/47

Right: 0.002+/-0.007 χ^2/NDF: 55.3/48

In: 0.007+/-0.008 χ^2/NDF:48.4/44

Out: -0.007+/-0.007 χ^2/NDF:50.7/51

All: -0.001+/-0.005 χ^2/NDF: 100.6/96



Right In: 28.536+/-0.007 χ^2/NDF: 5886194.5/21

Left Out: 53.582+/-0.009 χ^2/NDF:2642509.0/24

Right Out: 24.372+/-0.006 χ^2/NDF: 8678713.7/26

Left In: 53.961+/-0.009 χ^2/NDF:2039530.1/22

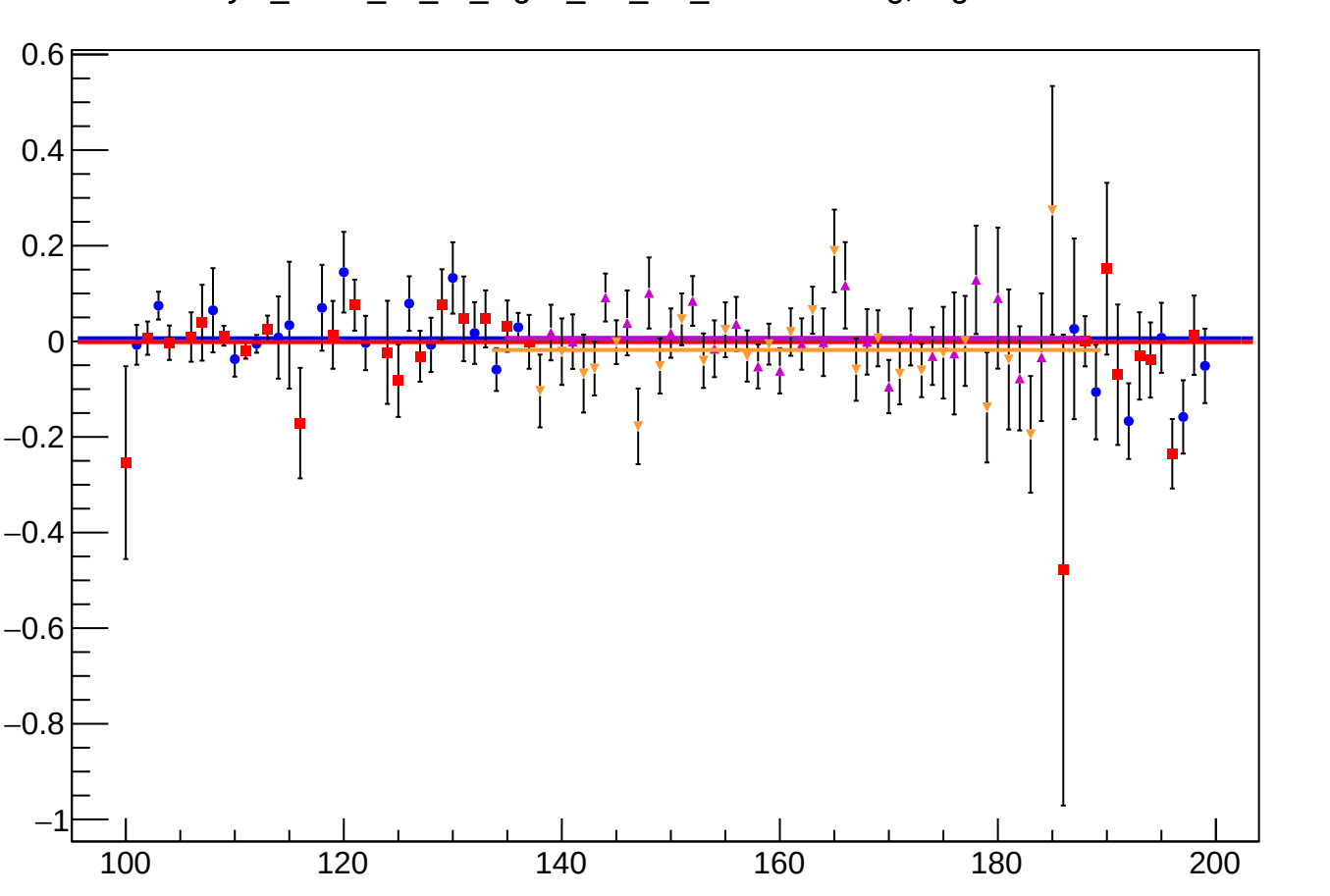
Left: 53.766+/-0.006 χ^2/NDF: 4682889.4/47

Right: 26.170+/-0.005 χ^2/NDF: 14756728.0/48

In: 37.974+/-0.006 χ^2/NDF:12596159.6/44

Out: 33.798+/-0.005 χ^2/NDF:18374770.5/51

All: 35.678+/-0.004 χ^2/NDF: 31267801.0/96



Right In: 0.006+/-0.010 χ^2/NDF: 29.7/21

Left Out: -0.018+/-0.013 χ^2/NDF:24.3/24

Right Out: -0.002+/-0.009 χ^2/NDF: 25.2/26

Left In: 0.007+/-0.013 χ^2/NDF:18.7/22

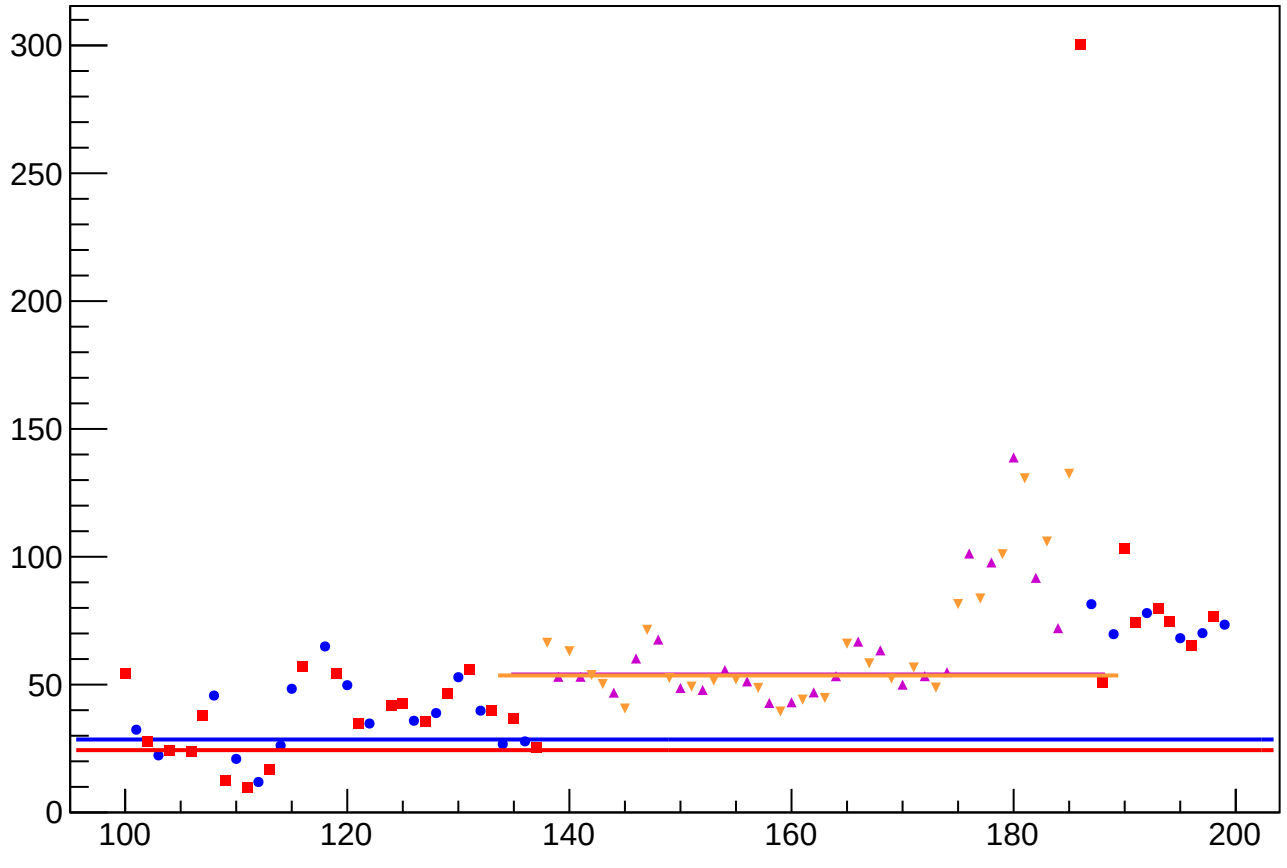
Left: -0.006+/-0.009 χ^2/NDF: 44.9/47

Right: 0.002+/-0.007 χ^2/NDF: 55.3/48

In: 0.007+/-0.008 χ^2/NDF:48.4/44

Out: -0.007+/-0.007 χ^2/NDF:50.7/51

All: -0.001+/-0.005 χ^2/NDF: 100.6/96



Right In: 28.536+/-0.007 χ^2/NDF: 5886194.5/21

Left Out: 53.582+/-0.009 χ^2/NDF:2642509.0/24

Right Out: 24.372+/-0.006 χ^2/NDF: 8678713.7/26

Left In: 53.961+/-0.009 χ^2/NDF:2039530.1/22

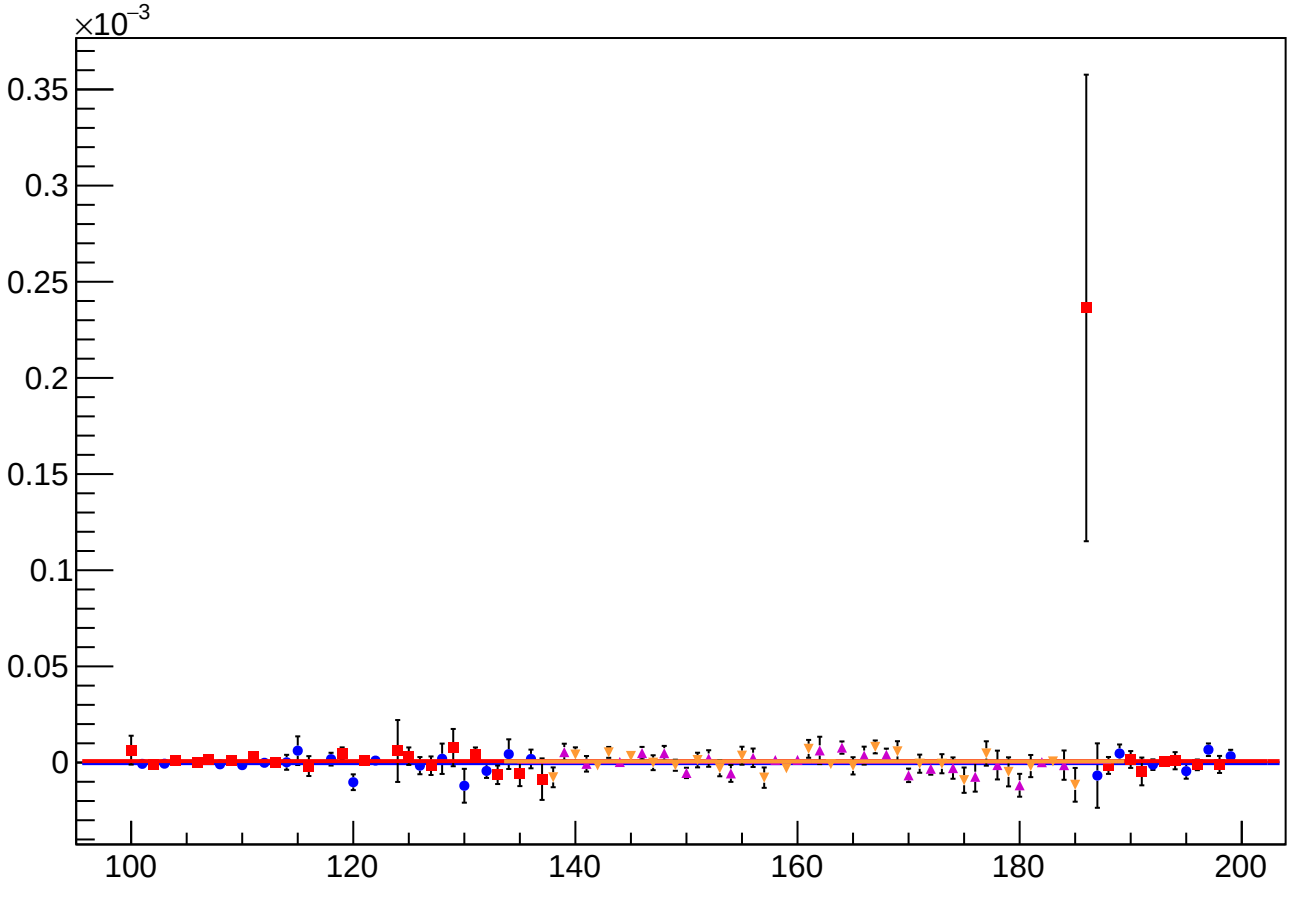
Left: 53.766+/-0.006 χ^2/NDF: 4682889.4/47

Right: 26.170+/-0.005 χ^2/NDF: 14756728.0/48

In: 37.974+/-0.006 χ^2/NDF:12596159.6/44

Out: 33.798+/-0.005 χ^2/NDF:18374770.5/51

All: 35.678+/-0.004 χ^2/NDF: 31267801.0/96



Right In: -0.000+/-0.000 χ^2/NDF: 19.8/21

Left Out: 0.000+/-0.000 χ^2/NDF:31.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 17.2/26

Left In: 0.000+/-0.000 χ^2/NDF:30.9/22

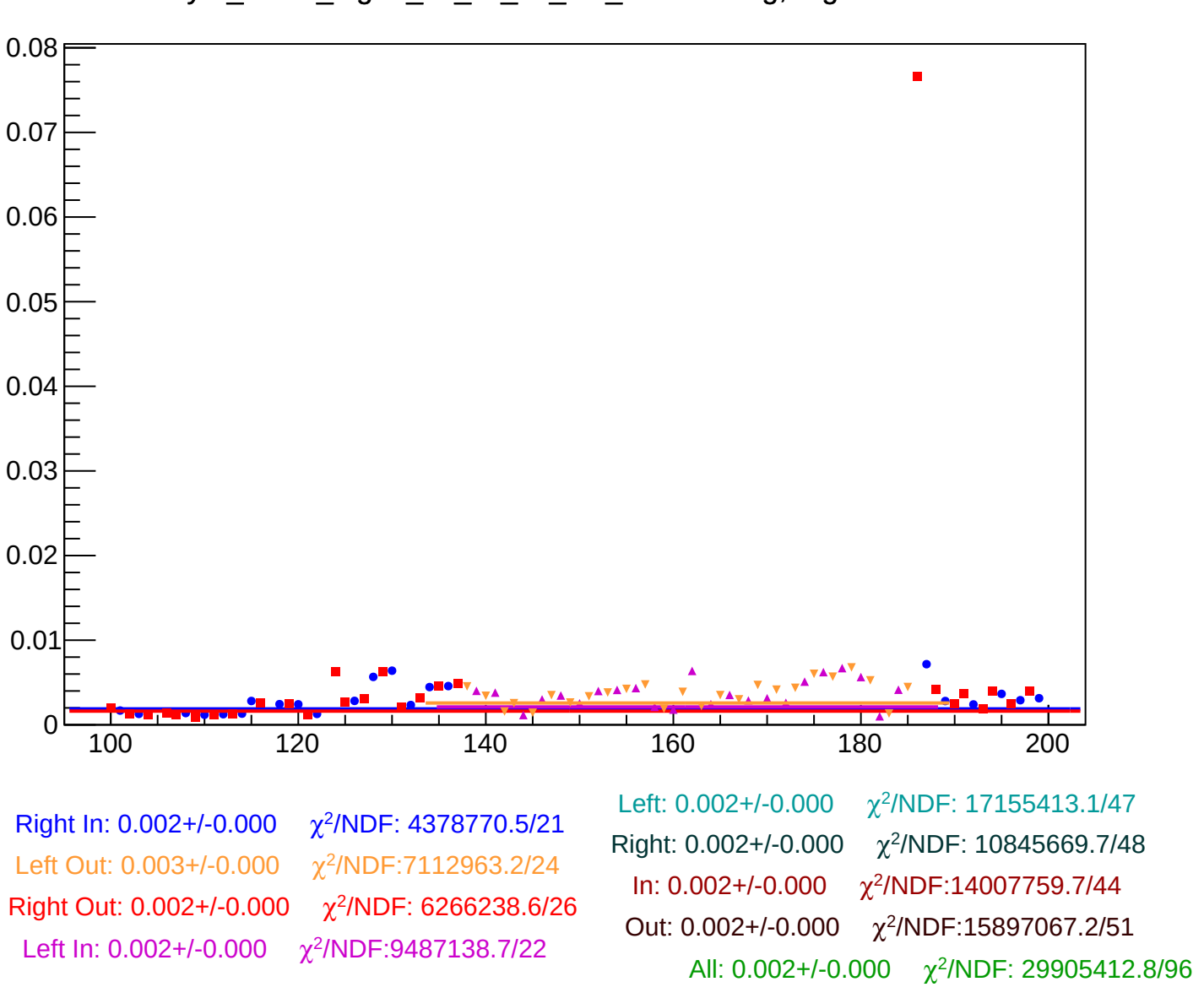
Left: 0.000+/-0.000 χ^2/NDF: 61.9/47

Right: 0.000+/-0.000 χ^2/NDF: 38.6/48

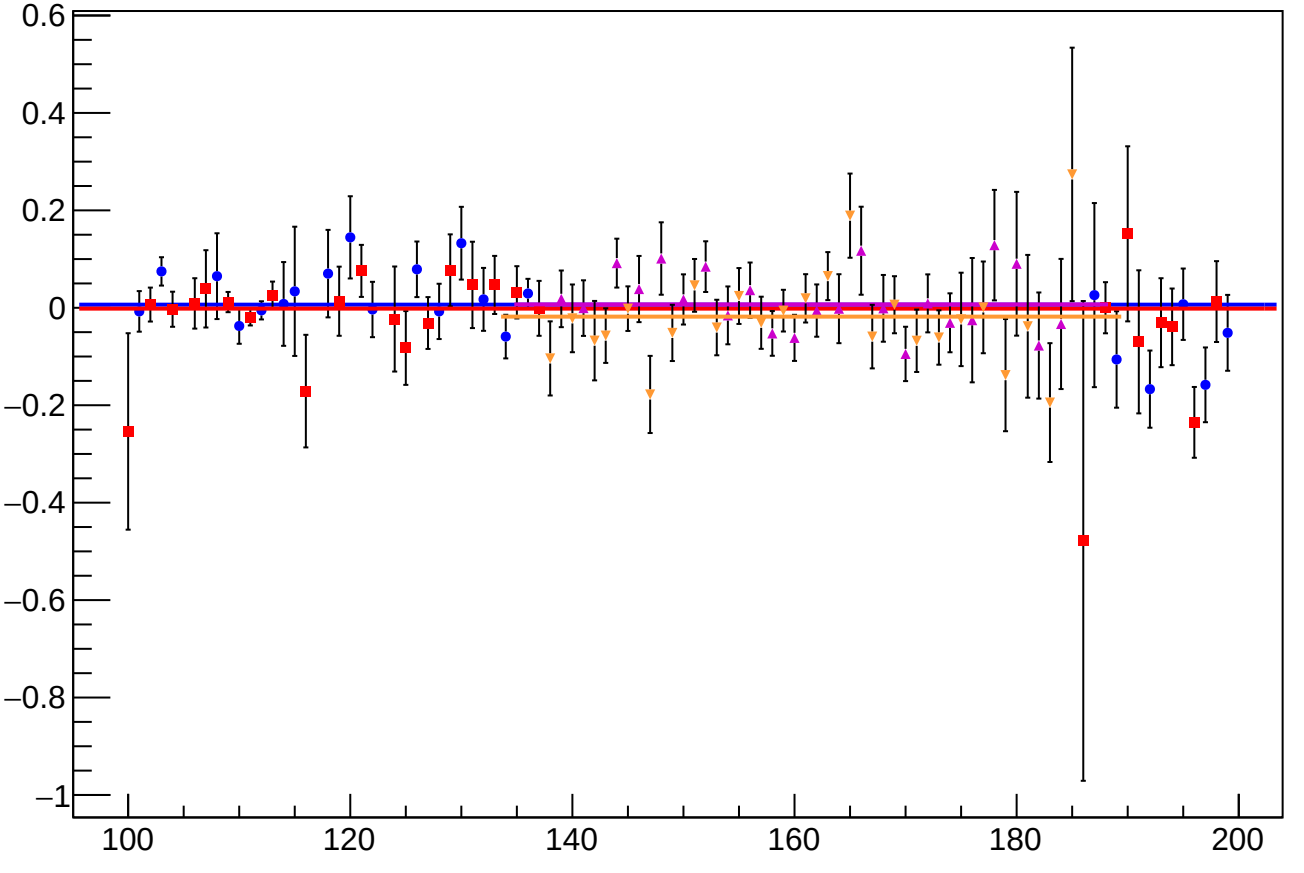
In: 0.000+/-0.000 χ^2/NDF:51.3/44

Out: 0.000+/-0.000 χ^2/NDF:48.2/51

All: 0.000+/-0.000 χ^2/NDF: 100.7/96


asym_sam5_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
100
120
140
160
180
200
Right In: 0.002+/-0.000 χ²/NDF: 4378770.5/21
Left Out: 0.003+/-0.000 χ²/NDF:7112963.2/24
Right Out: 0.002+/-0.000 χ²/NDF: 6266238.6/26
Left In: 0.002+/-0.000 χ²/NDF:9487138.7/22
Left: 0.002+/-0.000 χ²/NDF: 17155413.1/47
Right: 0.002+/-0.000 χ²/NDF: 10845669.7/48
In: 0.002+/-0.000 χ²/NDF:14007759.7/44
Out: 0.002+/-0.000 χ²/NDF:15897067.2/51
All: 0.002+/-0.000 χ²/NDF: 29905412.8/96

asym_sam5_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.006+/-0.010 χ^2/NDF: 29.7/21

Left Out: -0.018+/-0.013 χ^2/NDF:24.3/24

Right Out: -0.002+/-0.009 χ^2/NDF: 25.2/26

Left In: 0.007+/-0.013 χ^2/NDF:18.7/22

Left: -0.006+/-0.009 χ^2/NDF: 44.9/47

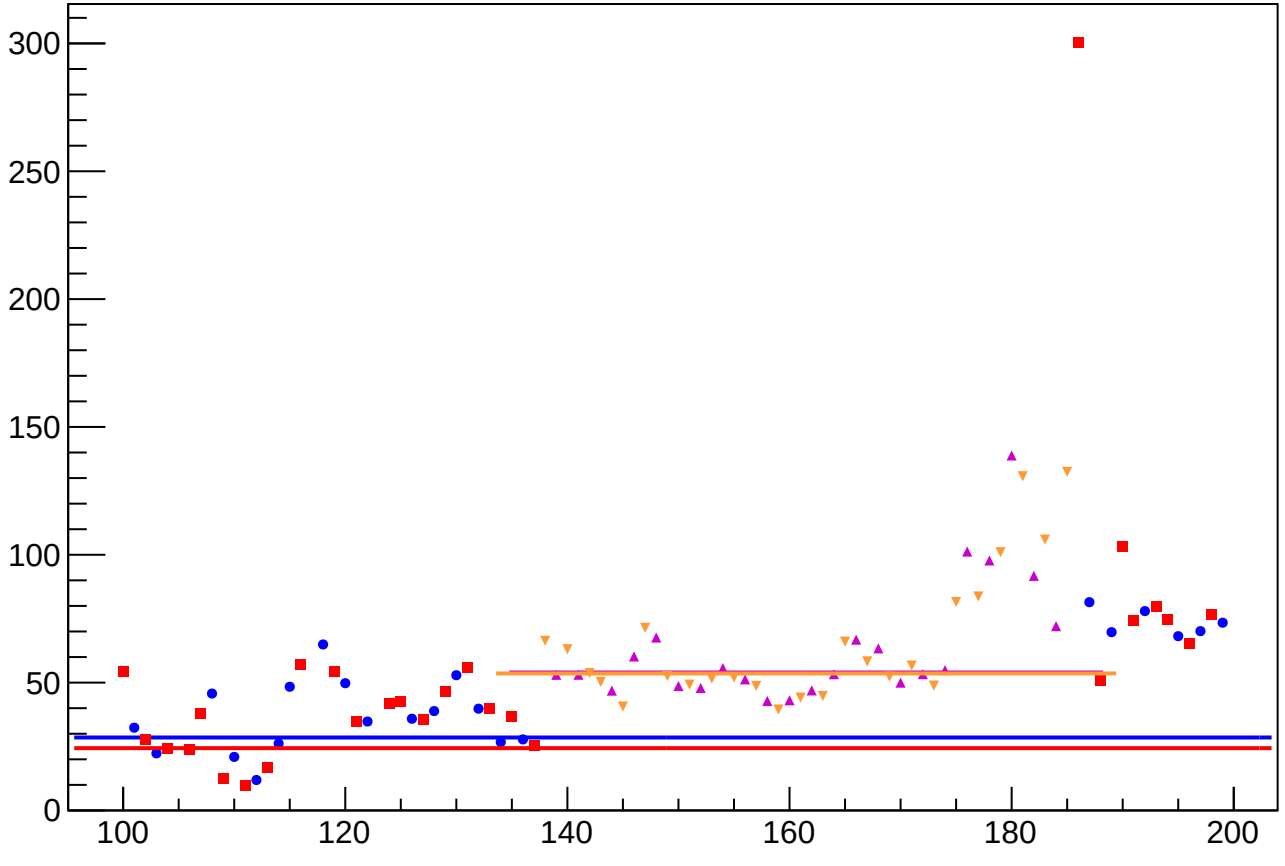
Right: 0.002+/-0.007 χ^2/NDF: 55.3/48

In: 0.007+/-0.008 χ^2/NDF:48.4/44

Out: -0.007+/-0.007 χ^2/NDF:50.7/51

All: -0.001+/-0.005 χ^2/NDF: 100.6/96

asym_sam5_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 28.536+/-0.007 χ^2/NDF: 5886230.8/21

Left Out: 53.582+/-0.009 χ^2/NDF:2642554.6/24

Right Out: 24.371+/-0.006 χ^2/NDF: 8678815.5/26

Left In: 53.961+/-0.009 χ^2/NDF:2039571.7/22

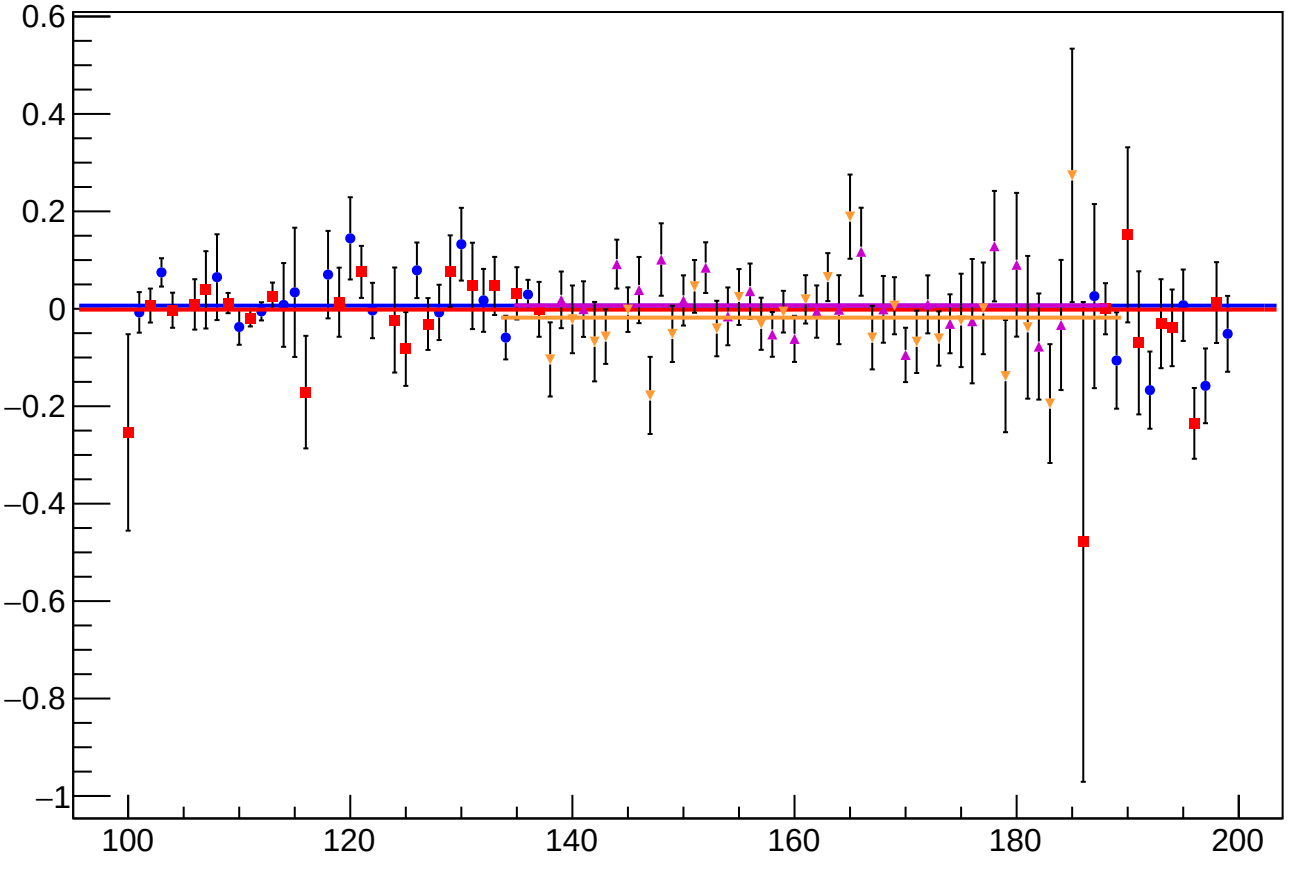
Left: 53.766+/-0.006 χ^2/NDF: 4682976.8/47

Right: 26.169+/-0.005 χ^2/NDF: 14756875.8/48

In: 37.973+/-0.006 χ^2/NDF:12596607.0/44

Out: 33.797+/-0.005 χ^2/NDF:18375399.7/51

All: 35.677+/-0.004 χ^2/NDF: 31268896.7/96



Right In: 0.006+/-0.010 χ^2/NDF: 29.7/21

Left Out: -0.018+/-0.013 χ^2/NDF:24.3/24

Right Out: -0.002+/-0.009 χ^2/NDF: 25.2/26

Left In: 0.007+/-0.013 χ^2/NDF:18.7/22

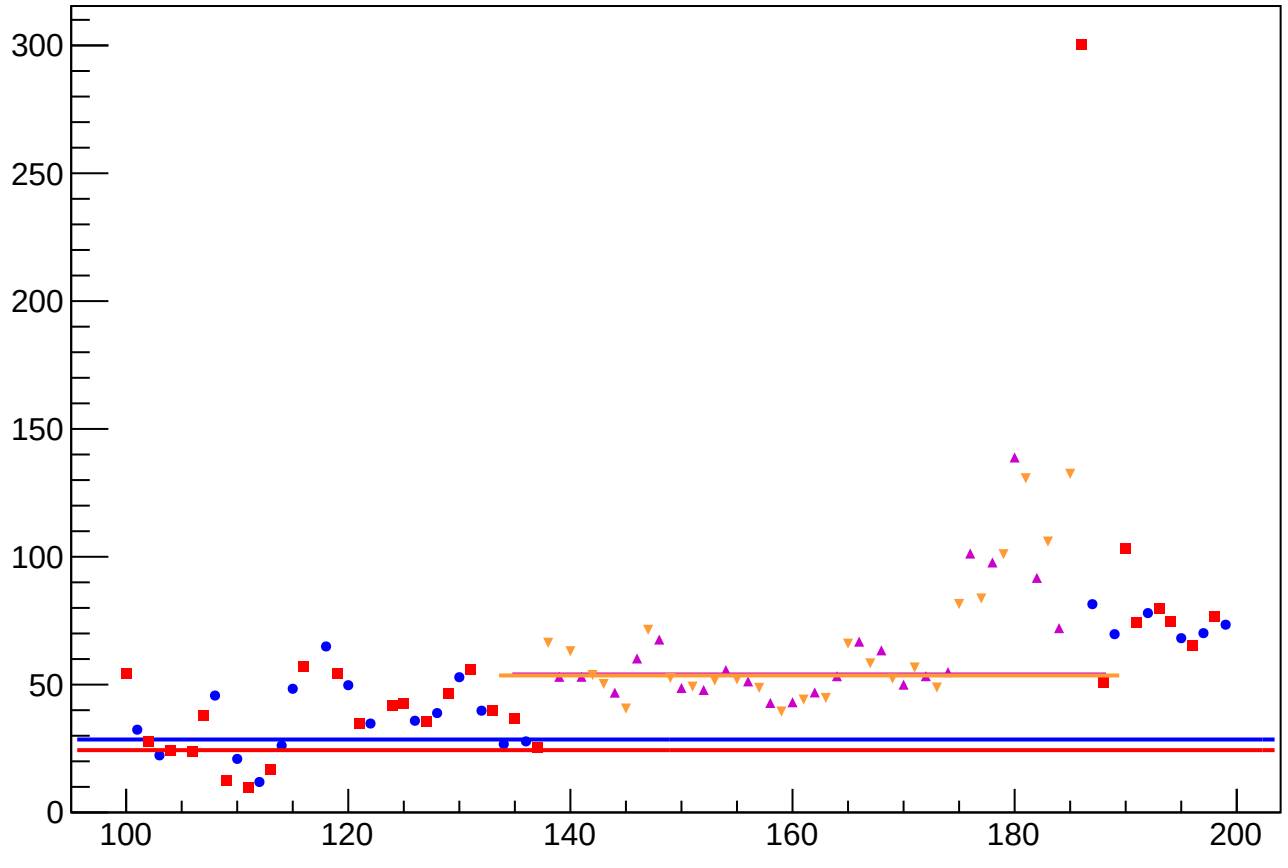
Left: -0.006+/-0.009 χ^2/NDF: 44.9/47

Right: 0.002+/-0.007 χ^2/NDF: 55.3/48

In: 0.007+/-0.008 χ^2/NDF:48.4/44

Out: -0.007+/-0.007 χ^2/NDF:50.7/51

All: -0.001+/-0.005 χ^2/NDF: 100.6/96



Right In: 28.536+/-0.007 χ^2/NDF: 5886230.8/21

Left Out: 53.582+/-0.009 χ^2/NDF:2642554.6/24

Right Out: 24.371+/-0.006 χ^2/NDF: 8678815.5/26

Left In: 53.961+/-0.009 χ^2/NDF:2039571.7/22

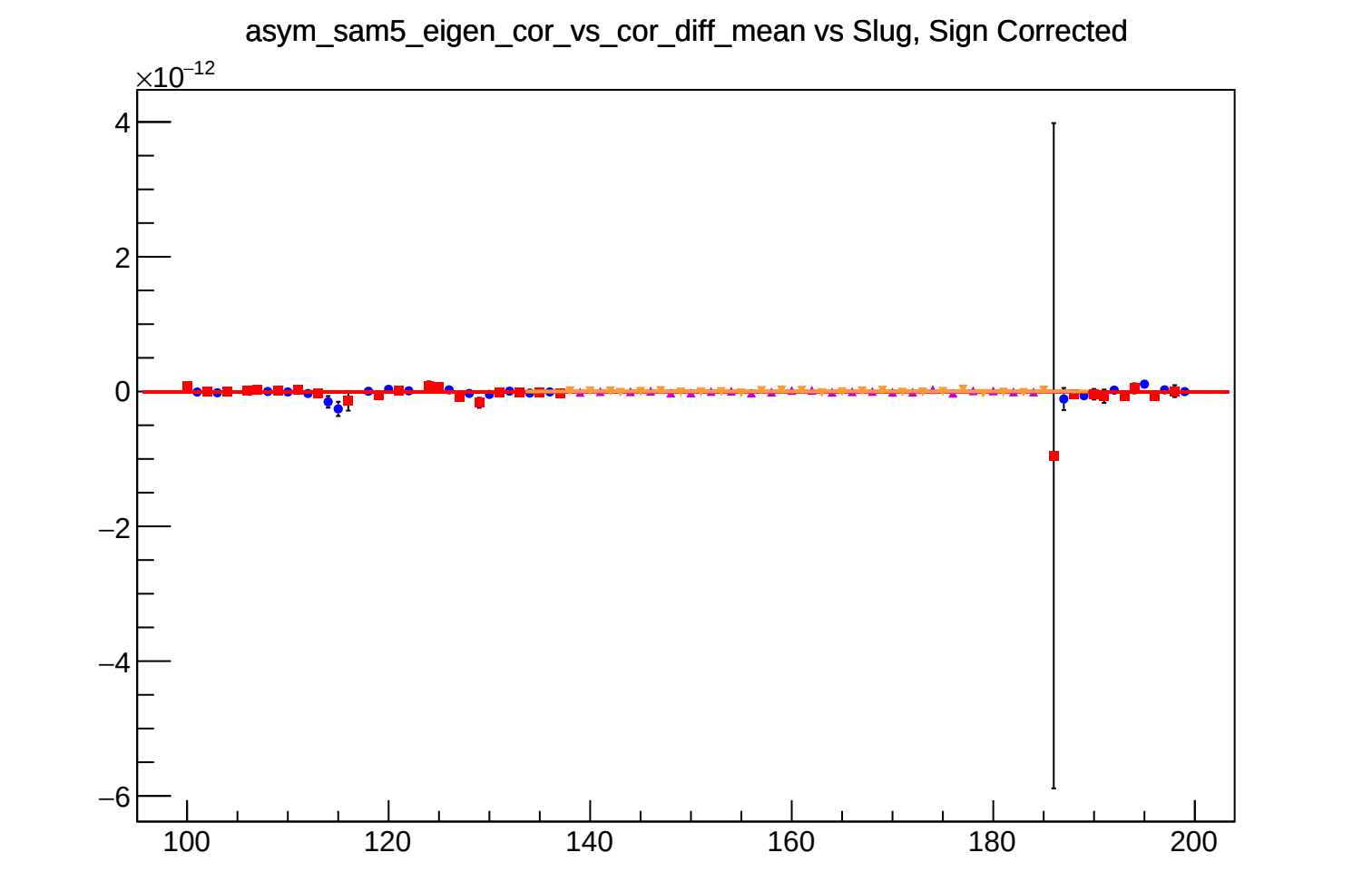
Left: 53.766+/-0.006 χ^2/NDF: 4682976.8/47

Right: 26.169+/-0.005 χ^2/NDF: 14756875.8/48

In: 37.973+/-0.006 χ^2/NDF:12596607.0/44

Out: 33.797+/-0.005 χ^2/NDF:18375399.7/51

All: 35.677+/-0.004 χ^2/NDF: 31268896.7/96



Right In: -0.000+/-0.000 χ^2/NDF: 20.3/21

Left Out: 0.000+/-0.000 χ^2/NDF:27.4/24

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

Left In: -0.000+/-0.000 χ^2/NDF:18.1/22

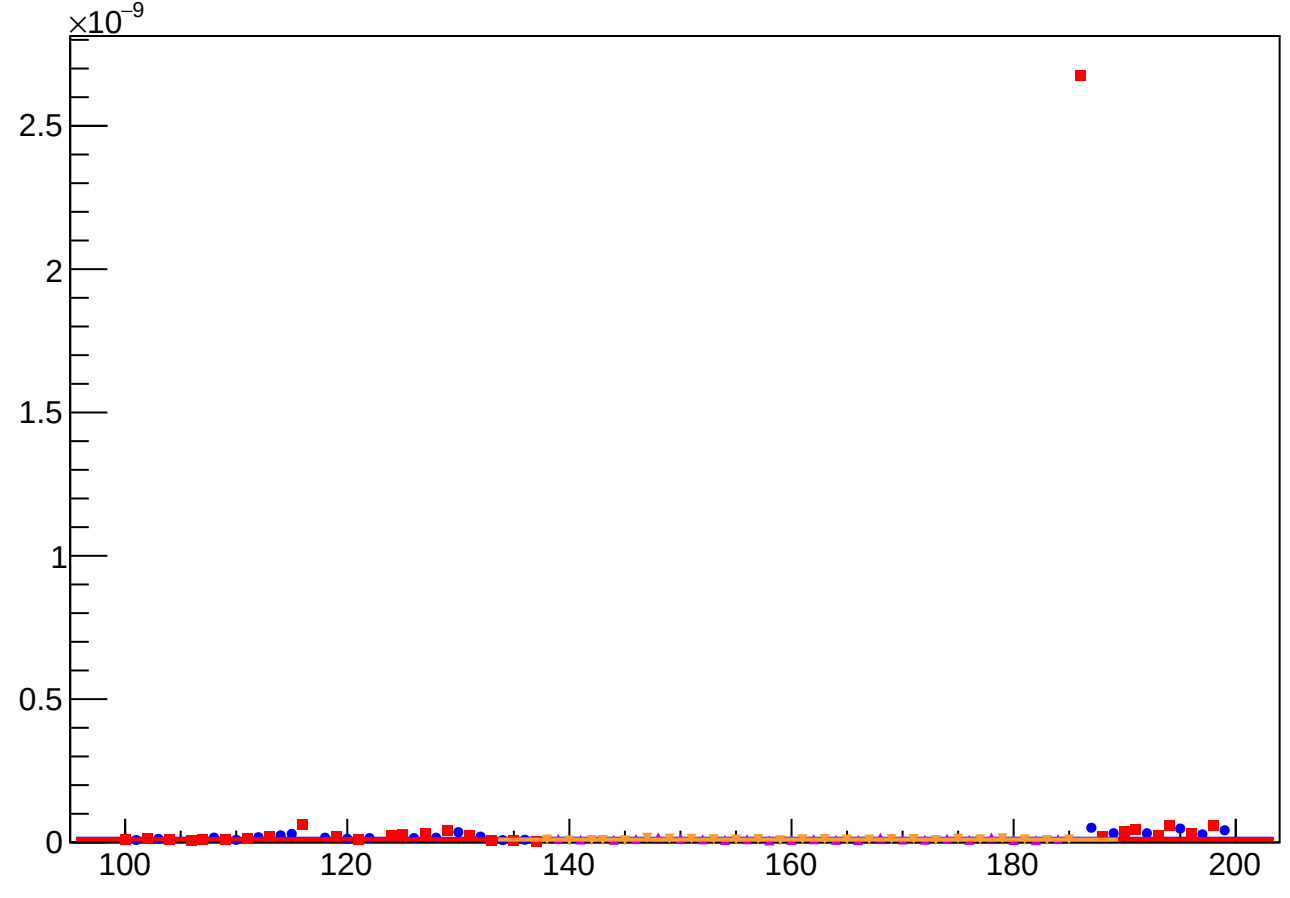
Left: 0.000+/-0.000 χ^2/NDF: 45.7/47

Right: -0.000+/-0.000 χ^2/NDF: 53.9/48

In: -0.000+/-0.000 χ^2/NDF:39.3/44

Out: -0.000+/-0.000 χ^2/NDF:62.6/51

All: -0.000+/-0.000 χ^2/NDF: 102.1/96



Right In: 0.000+/-0.000 χ^2/NDF: 3500385.3/21

Left Out: 0.000+/-0.000 χ^2/NDF:1196110.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6032569.4/26

Left In: 0.000+/-0.000 χ^2/NDF:1313644.4/22

Left: 0.000+/-0.000 χ^2/NDF: 2523943.3/47

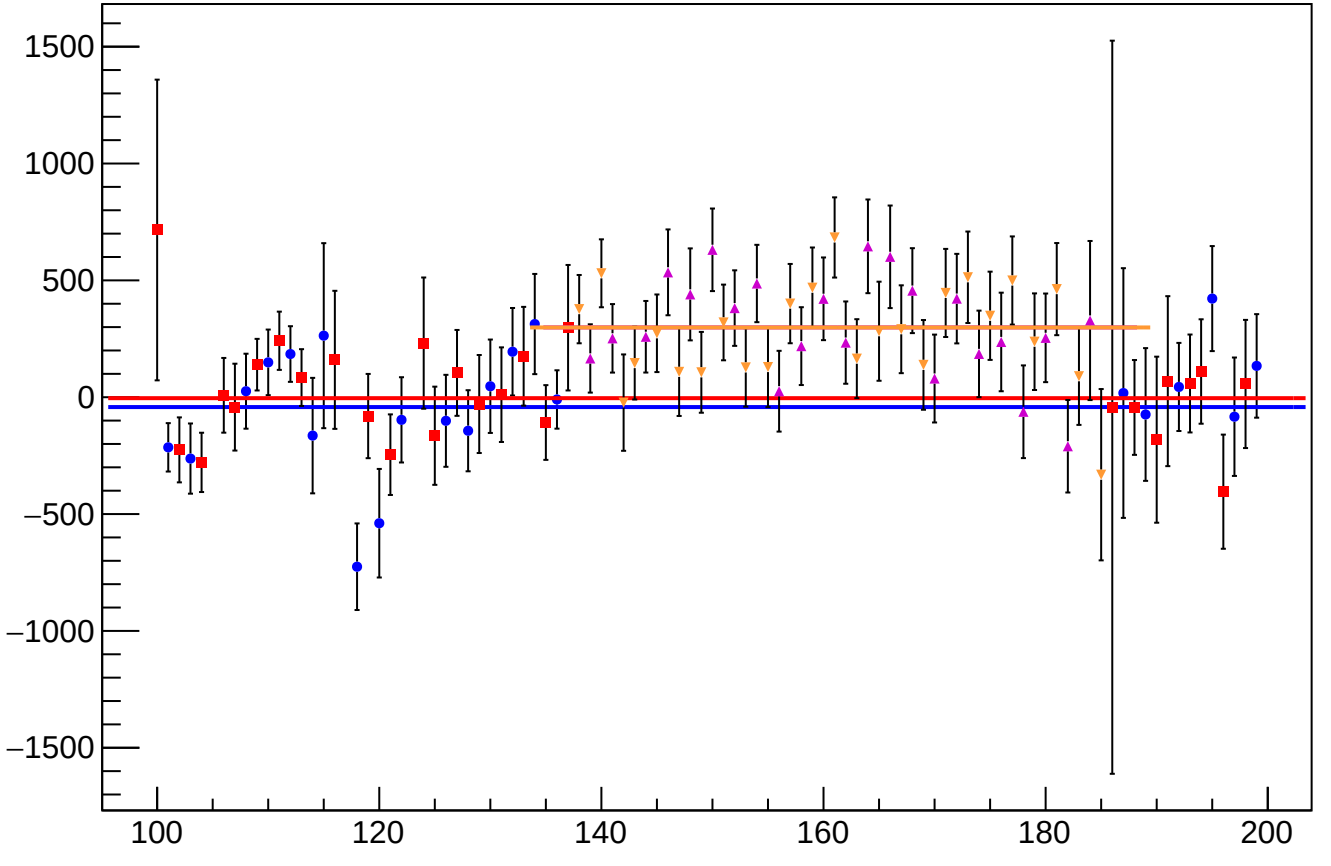
Right: 0.000+/-0.000 χ^2/NDF: 9631405.1/48

In: 0.000+/-0.000 χ^2/NDF:5200344.8/44

Out: 0.000+/-0.000 χ^2/NDF:7359307.4/51

All: 0.000+/-0.000 χ^2/NDF: 12617347.8/96

reg_asym_sam6_mean vs Slug, Sign Corrected



Right In: -42.139+/-37.891 χ^2/NDF: 39.9/21

Left Out: 298.517+/-36.051 χ^2/NDF:26.0/24

Right Out: -4.058+/-35.920 χ^2/NDF: 24.6/26

Left In: 298.675+/-37.727 χ^2/NDF:29.4/22

Left: 298.592+/-26.064 χ^2/NDF: 55.4/47

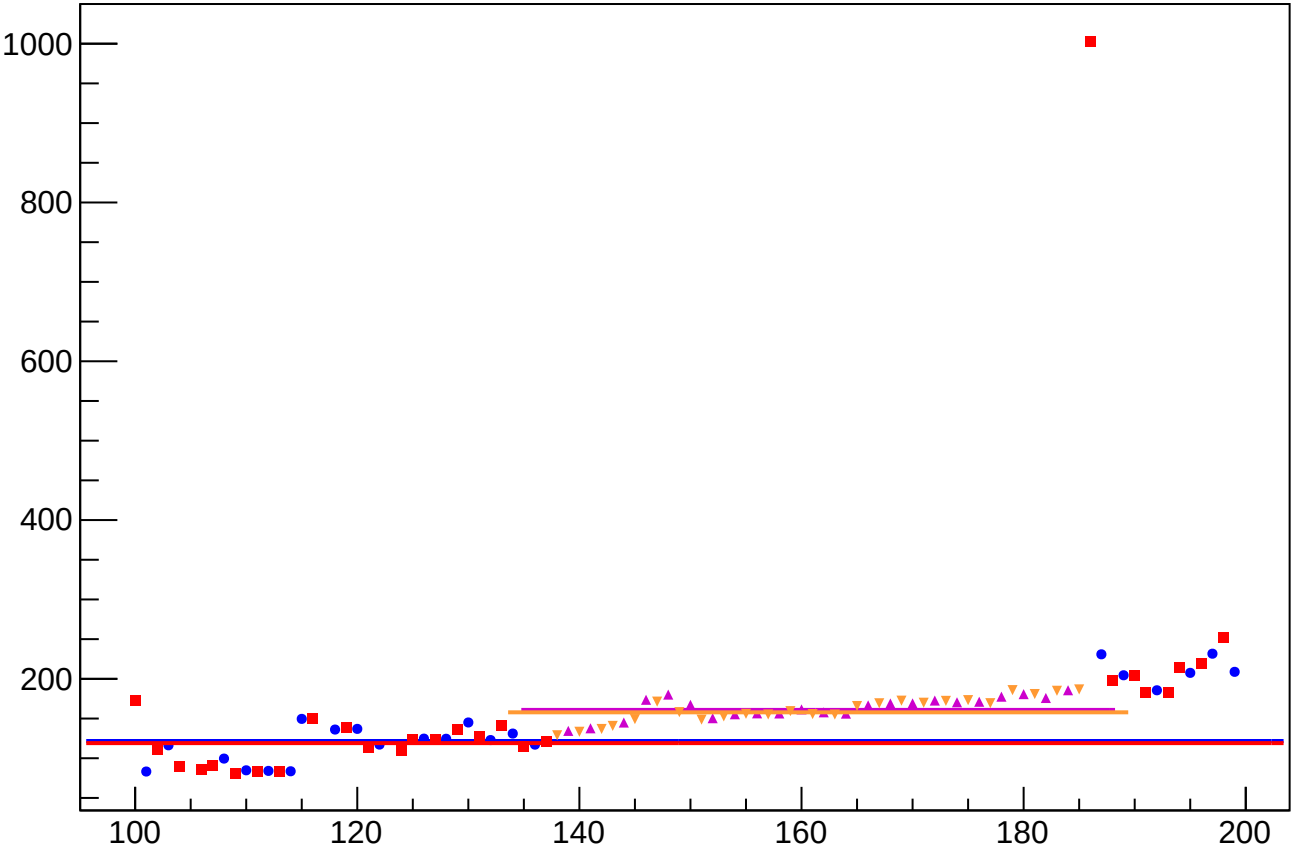
Right: -22.082+/-26.068 χ^2/NDF: 65.0/48

In: 129.008+/-26.735 χ^2/NDF:110.0/44

Out: 146.679+/-25.445 χ^2/NDF:85.9/51

All: 138.280+/-18.431 χ^2/NDF: 196.1/96

reg_asym_sam6_rms vs Slug, Sign Corrected



Right In: 121.713+/-0.027 χ^2/NDF: 2230089.3/21

Left Out: 157.836+/-0.025 χ^2/NDF:377205.2/24

Right Out: 119.047+/-0.025 χ^2/NDF: 3409115.9/26

Left In: 160.874+/-0.027 χ^2/NDF:268330.7/22

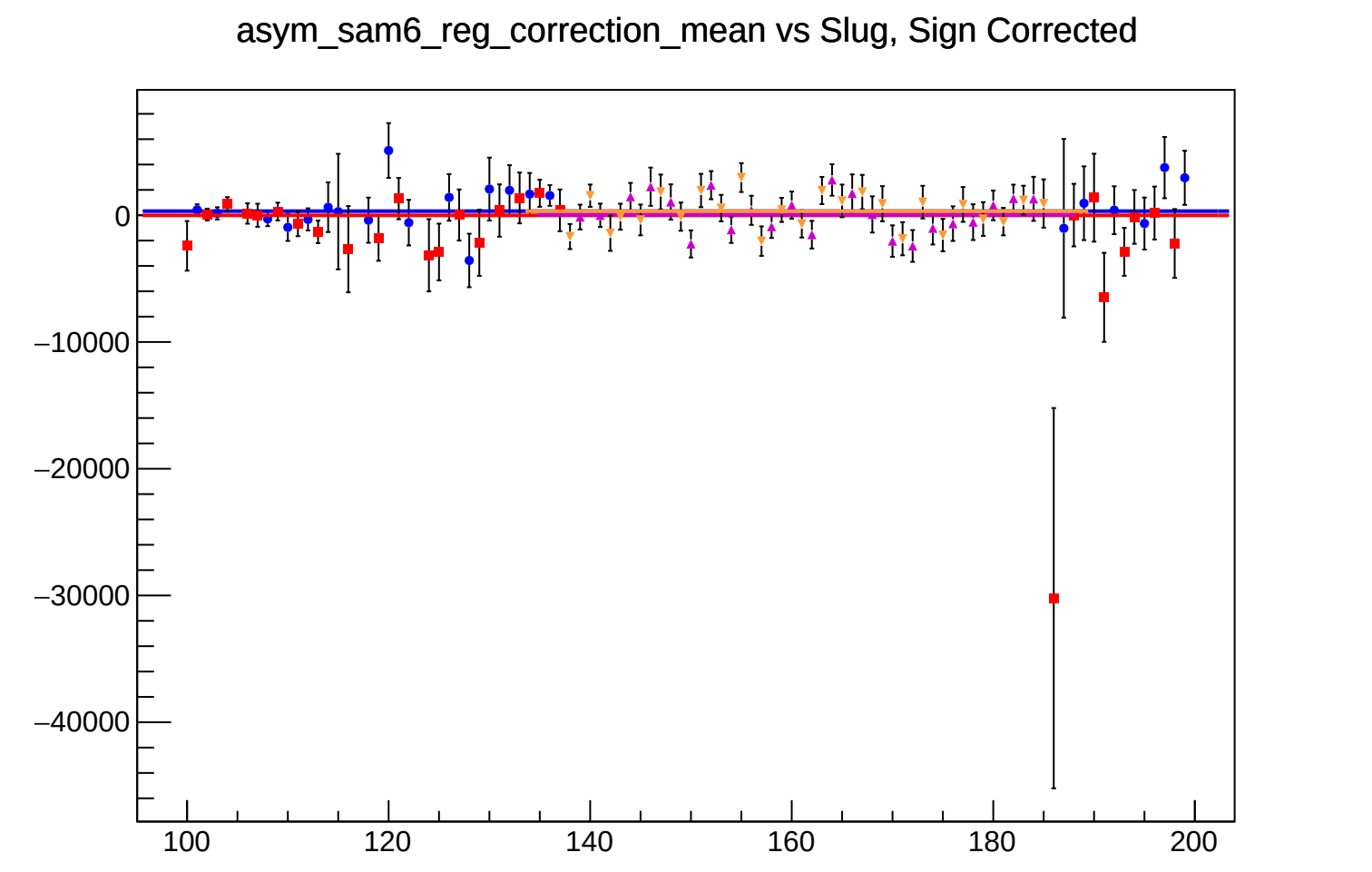
Left: 159.286+/-0.018 χ^2/NDF: 652314.6/47

Right: 120.309+/-0.018 χ^2/NDF: 5644416.5/48

In: 141.378+/-0.019 χ^2/NDF:3571258.8/44

Out: 138.371+/-0.018 χ^2/NDF:4948212.0/51

All: 139.801+/-0.013 χ^2/NDF: 8532747.5/96



Right In: 324.690+/-224.498 χ^2/NDF: 20.4/21

Left Out: 319.947+/-235.084 χ^2/NDF:32.5/24

Right Out: -7.853+/-224.995 χ^2/NDF: 26.8/26

Left In: 39.197+/-244.156 χ^2/NDF:34.8/22

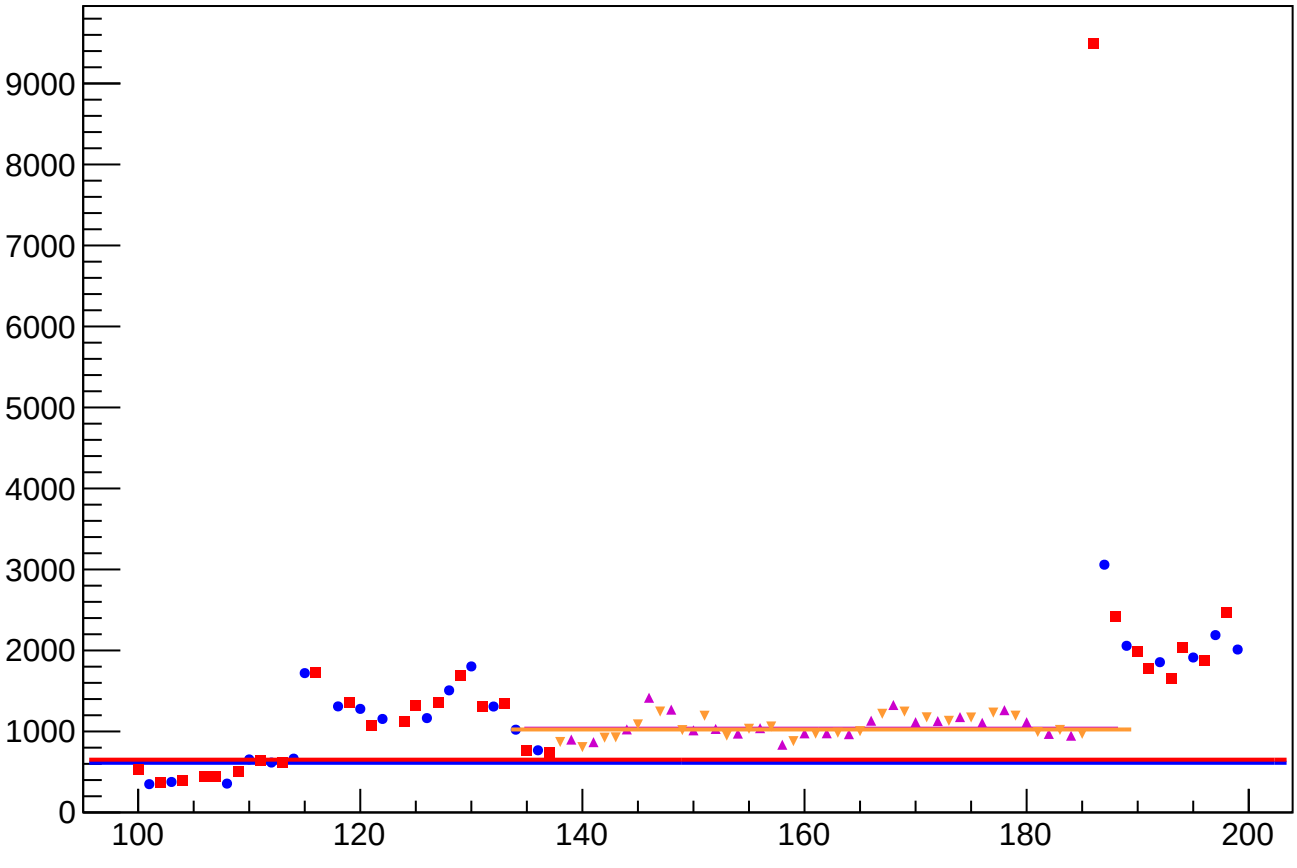
Left: 184.885+/-169.346 χ^2/NDF: 68.0/47

Right: 158.786+/-158.919 χ^2/NDF: 48.2/48

In: 193.898+/-165.257 χ^2/NDF:55.9/44

Out: 148.862+/-162.545 χ^2/NDF:60.3/51

All: 171.007+/-115.884 χ^2/NDF: 116.2/96



Right In: 612.998+/-0.159 χ^2/NDF: 7966793.5/21

Left Out: 1024.493+/-0.166 χ^2/NDF:597629.4/24

Right Out: 651.628+/-0.159 χ^2/NDF: 8623794.5/26

Left In: 1034.428+/-0.173 χ^2/NDF:628477.2/22

Left: 1029.272+/-0.120 χ^2/NDF: 1227824.8/47

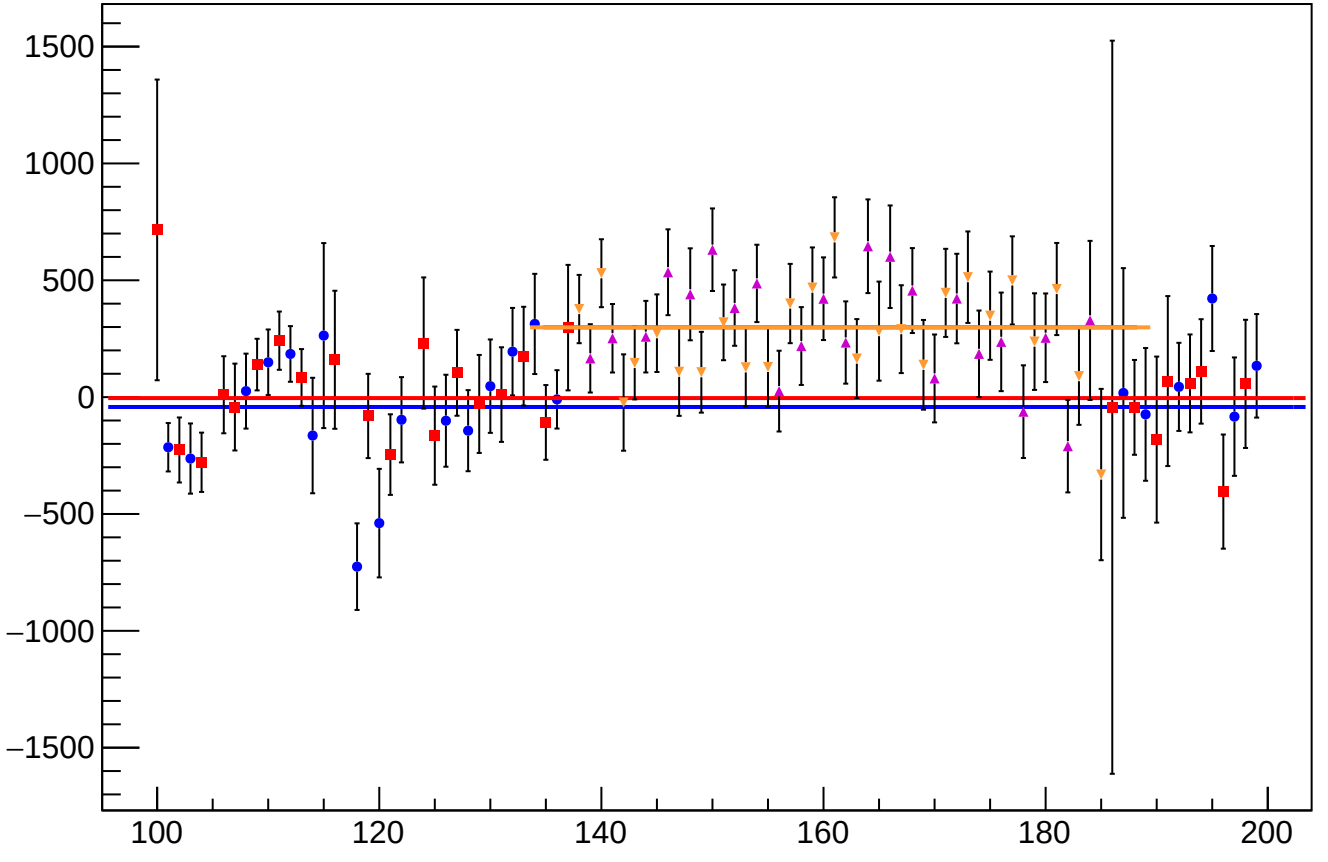
Right: 632.270+/-0.112 χ^2/NDF: 16620131.6/48

In: 806.067+/-0.117 χ^2/NDF:11824076.9/44

Out: 829.888+/-0.115 χ^2/NDF:11847401.9/51

All: 818.174+/-0.082 χ^2/NDF: 23692600.6/96

cor_asym_sam6_mean vs Slug, Sign Corrected



Right In: -42.162+/-37.891 χ^2/NDF: 39.9/21

Left Out: 298.518+/-36.051 χ^2/NDF:26.0/24

Right Out: -4.038+/-35.975 χ^2/NDF: 24.6/26

Left In: 298.682+/-37.727 χ^2/NDF:29.4/22

Left: 298.597+/-26.064 χ^2/NDF: 55.4/47

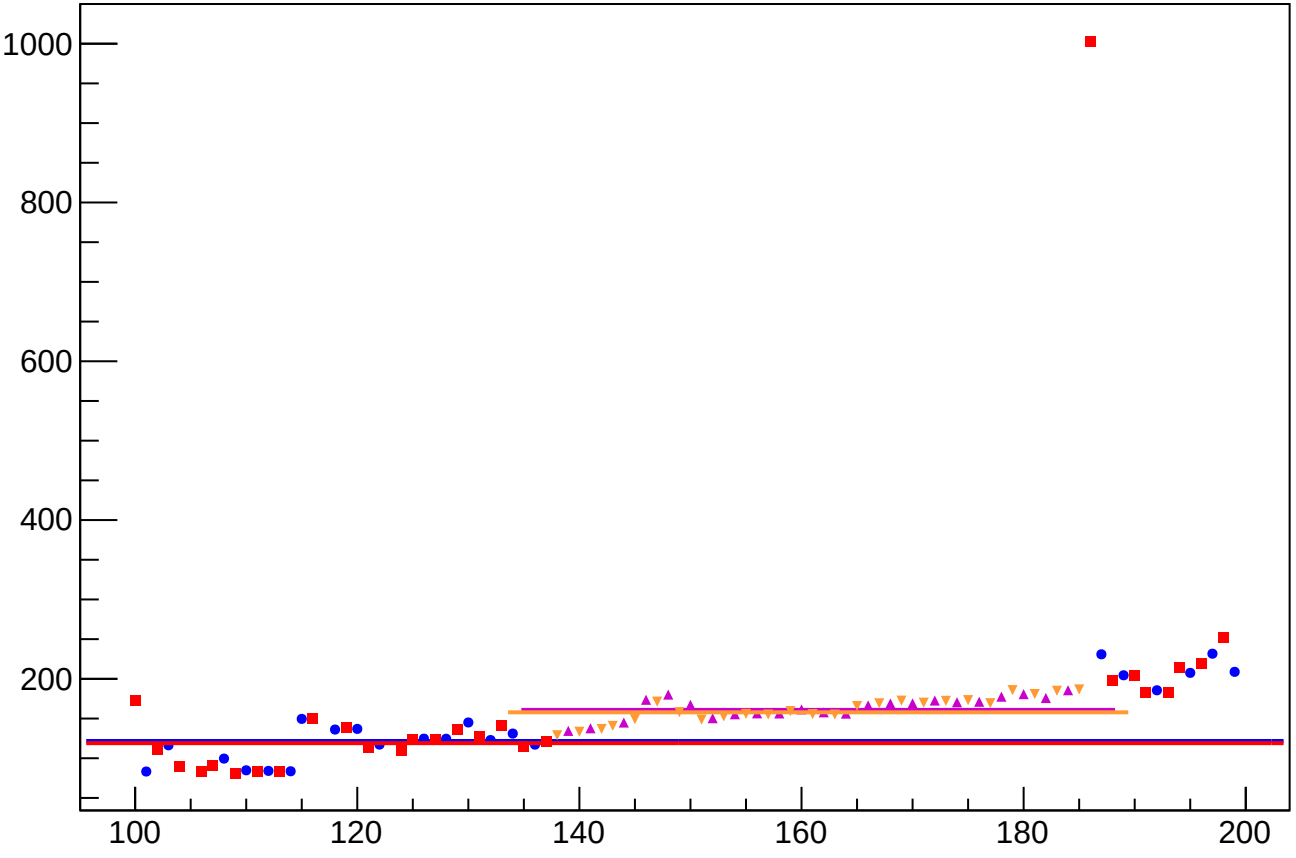
Right: -22.112+/-26.089 χ^2/NDF: 65.0/48

In: 129.000+/-26.735 χ^2/NDF:110.0/44

Out: 146.922+/-25.465 χ^2/NDF:85.8/51

All: 138.397+/-18.439 χ^2/NDF: 196.1/96

cor_asym_sam6_rms vs Slug, Sign Corrected



Right In: 121.713+/-0.027 χ^2/NDF: 2230088.5/21

Left Out: 157.836+/-0.025 χ^2/NDF:377205.2/24

Right Out: 119.000+/-0.025 χ^2/NDF: 3419971.3/26

Left In: 160.874+/-0.027 χ^2/NDF:268330.7/22

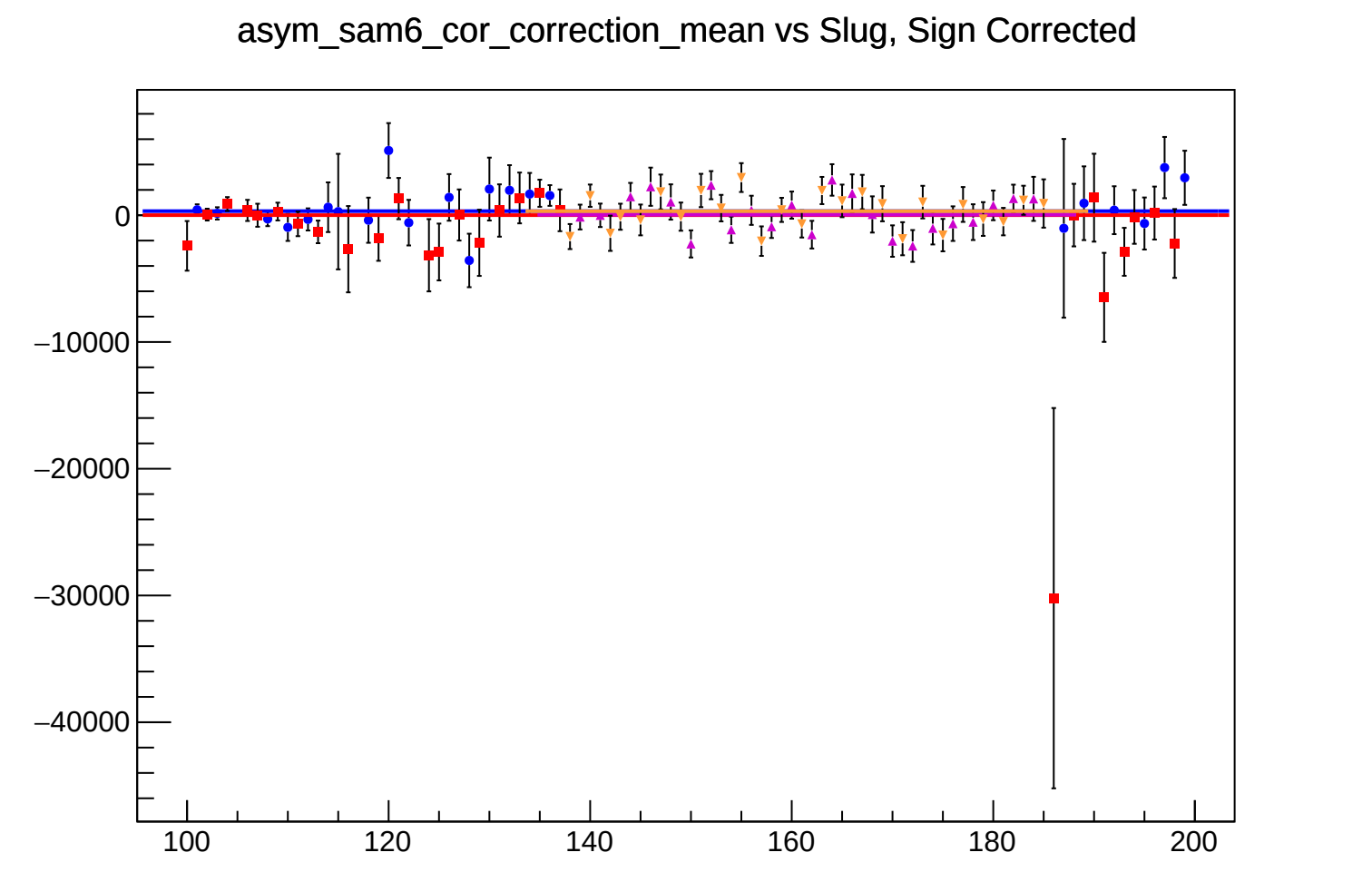
Left: 159.286+/-0.018 χ^2/NDF: 652314.6/47

Right: 120.286+/-0.018 χ^2/NDF: 5655452.2/48

In: 141.378+/-0.019 χ^2/NDF:3571254.8/44

Out: 138.377+/-0.018 χ^2/NDF:4960149.6/51

All: 139.805+/-0.013 χ^2/NDF: 8544619.8/96



Right In: 324.820+/-224.492 χ^2/NDF: 20.4/21

Left Out: 319.953+/-235.084 χ^2/NDF:32.5/24

Right Out: 8.369+/-225.565 χ^2/NDF: 26.9/26

Left In: 39.198+/-244.156 χ^2/NDF:34.8/22

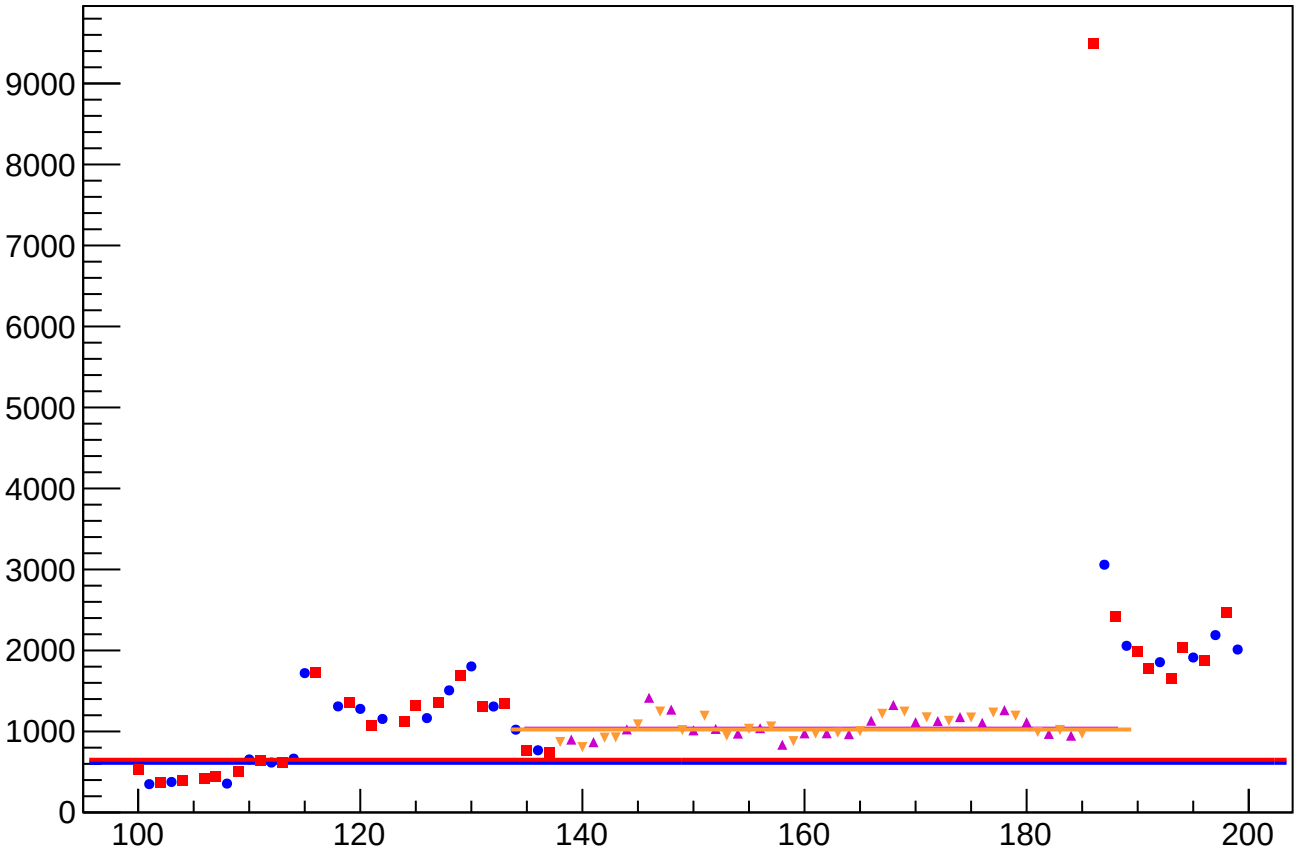
Left: 184.888+/-169.346 χ^2/NDF: 68.0/47

Right: 167.349+/-159.118 χ^2/NDF: 48.3/48

In: 193.973+/-165.255 χ^2/NDF:55.9/44

Out: 157.725+/-162.760 χ^2/NDF:60.4/51

All: 175.573+/-115.961 χ^2/NDF: 116.3/96



Right In: 612.973+/-0.159 χ^2/NDF: 7967133.5/21

Left Out: 1024.493+/-0.166 χ^2/NDF:597629.0/24

Right Out: 650.599+/-0.159 χ^2/NDF: 8652324.6/26

Left In: 1034.428+/-0.173 χ^2/NDF:628474.5/22

Left: 1029.273+/-0.120 χ^2/NDF: 1227821.8/47

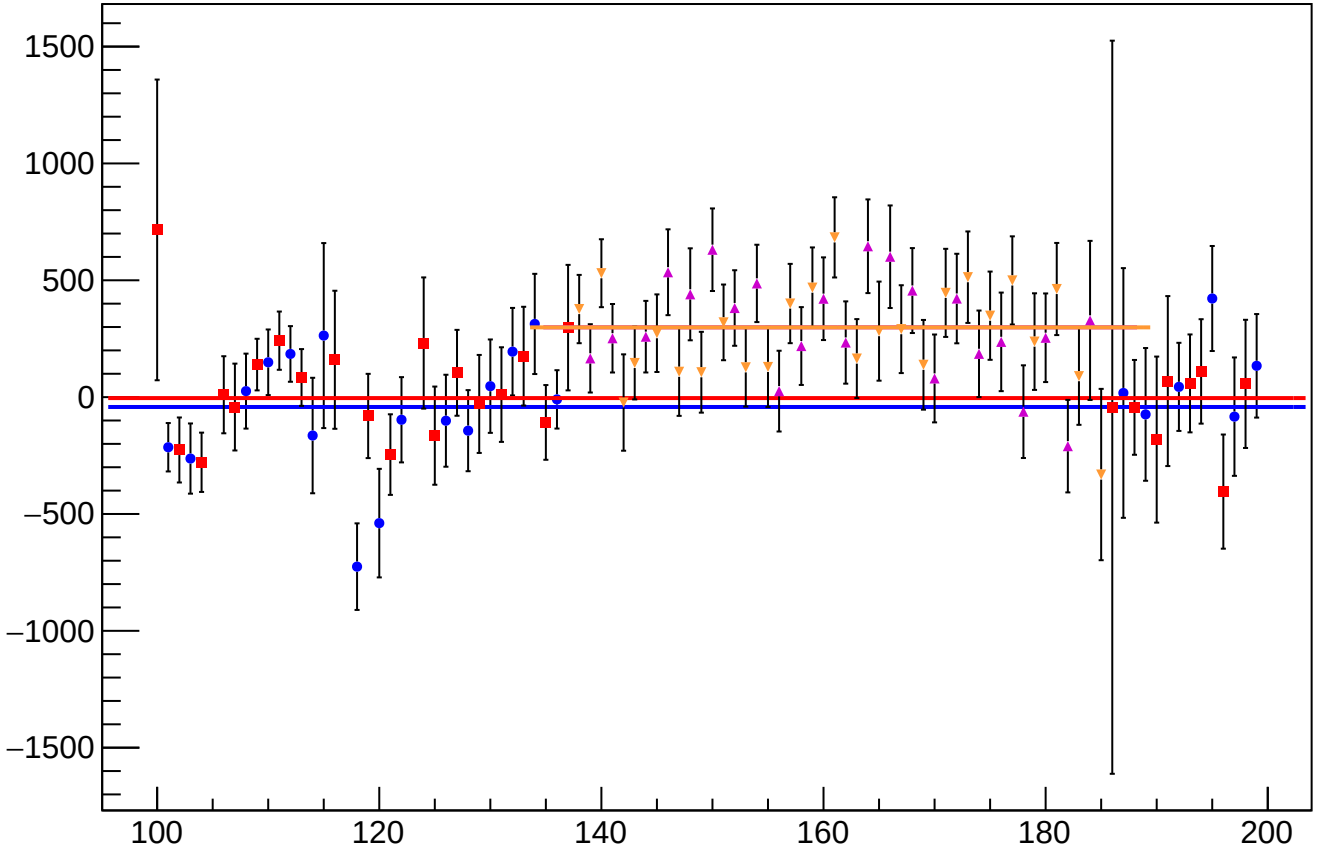
Right: 631.696+/-0.113 χ^2/NDF: 16647416.6/48

In: 806.047+/-0.117 χ^2/NDF:11824886.8/44

Out: 829.823+/-0.115 χ^2/NDF:11884046.8/51

All: 818.116+/-0.082 χ^2/NDF: 23729949.3/96

eigen_cor_asym_sam6_mean vs Slug, Sign Corrected



Right In: -42.162+/-37.891 χ^2/NDF: 39.9/21

Left Out: 298.518+/-36.051 χ^2/NDF:26.0/24

Right Out: -4.038+/-35.975 χ^2/NDF: 24.6/26

Left In: 298.682+/-37.727 χ^2/NDF:29.4/22

Left: 298.597+/-26.064 χ^2/NDF: 55.4/47

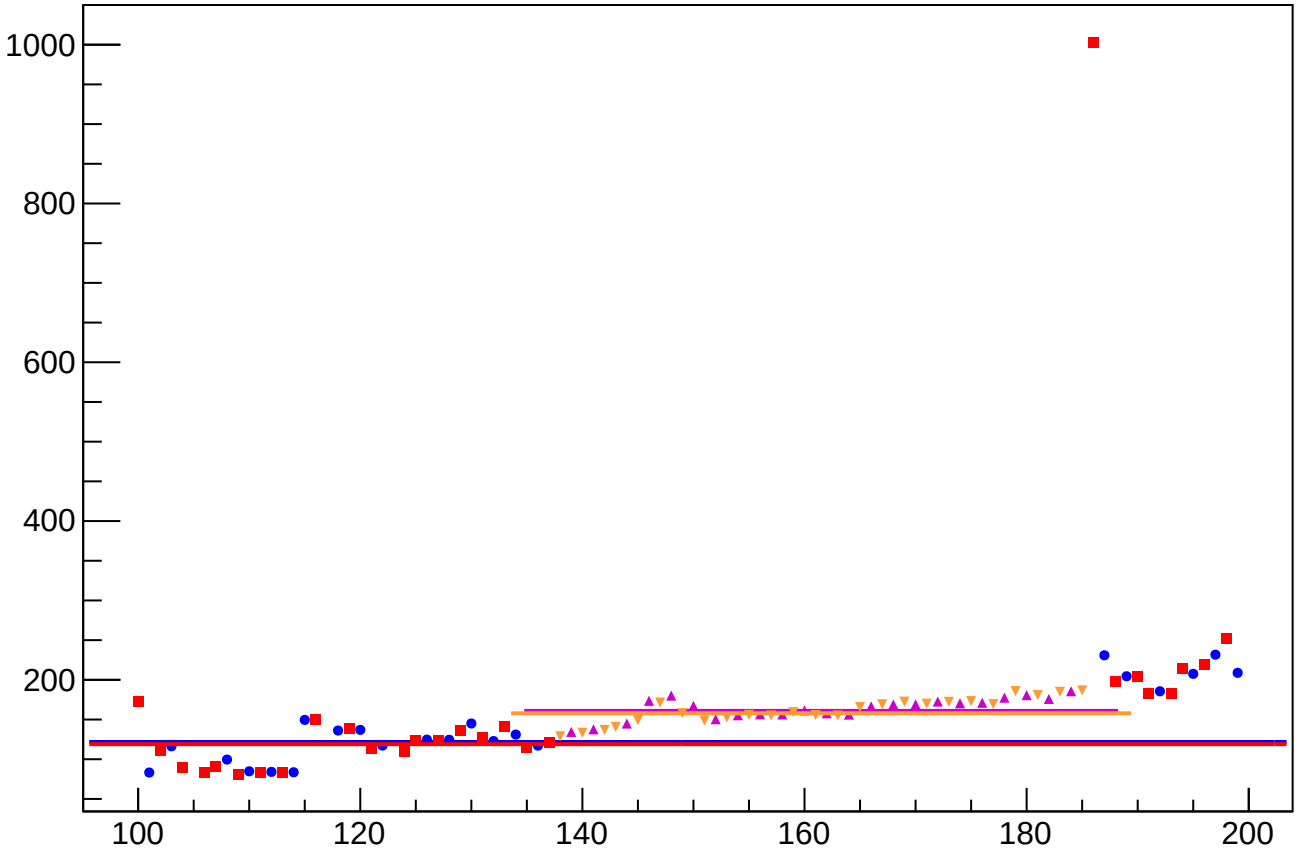
Right: -22.112+/-26.089 χ^2/NDF: 65.0/48

In: 129.000+/-26.735 χ^2/NDF:110.0/44

Out: 146.922+/-25.465 χ^2/NDF:85.8/51

All: 138.397+/-18.439 χ^2/NDF: 196.1/96

eigen_cor_asym_sam6_rms vs Slug, Sign Corrected



Right In: 121.713+/-0.027 χ^2/NDF: 2230088.5/21

Left Out: 157.836+/-0.025 χ^2/NDF:377205.2/24

Right Out: 119.000+/-0.025 χ^2/NDF: 3419971.3/26

Left In: 160.874+/-0.027 χ^2/NDF:268330.7/22

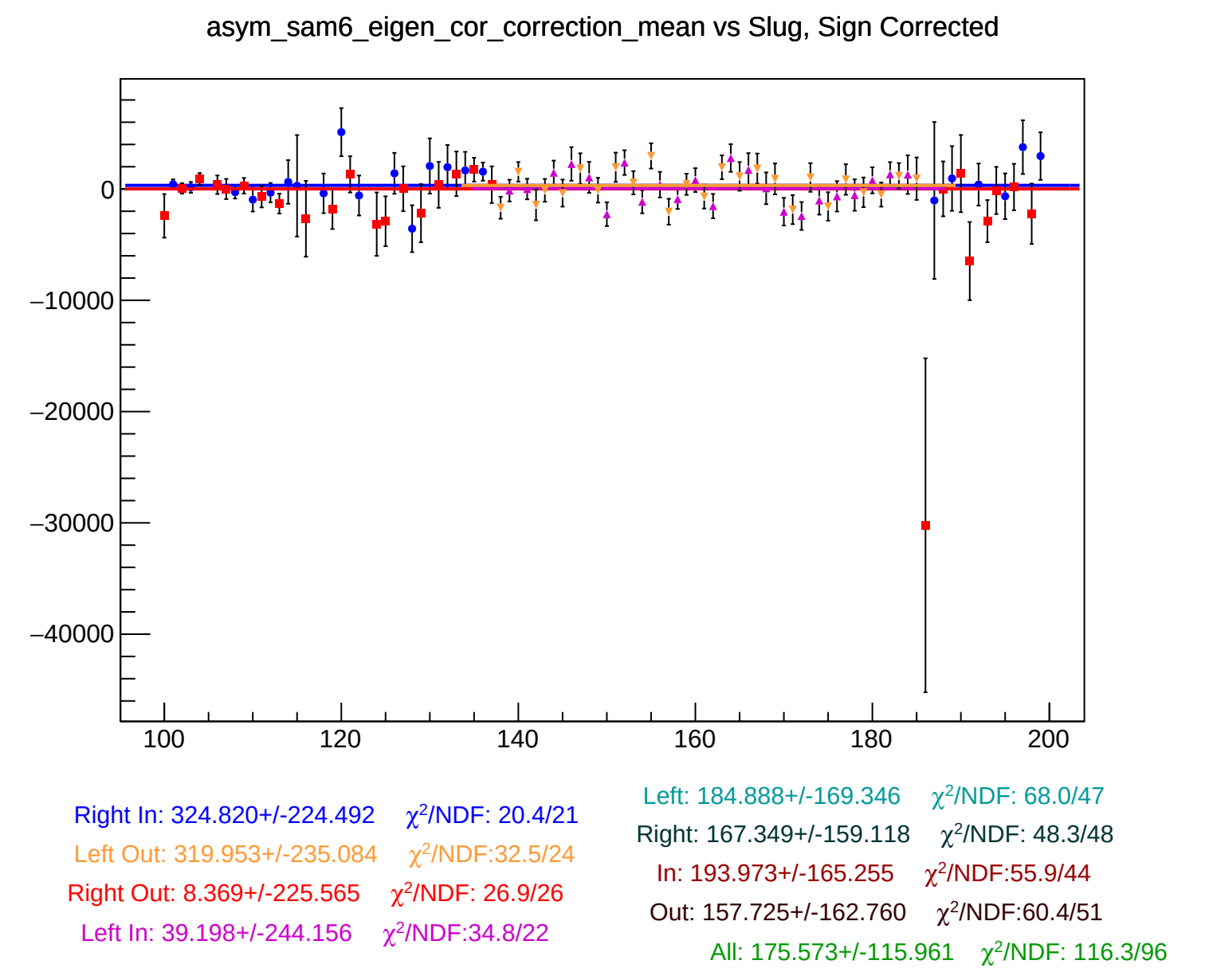
Left: 159.286+/-0.018 χ^2/NDF: 652314.6/47

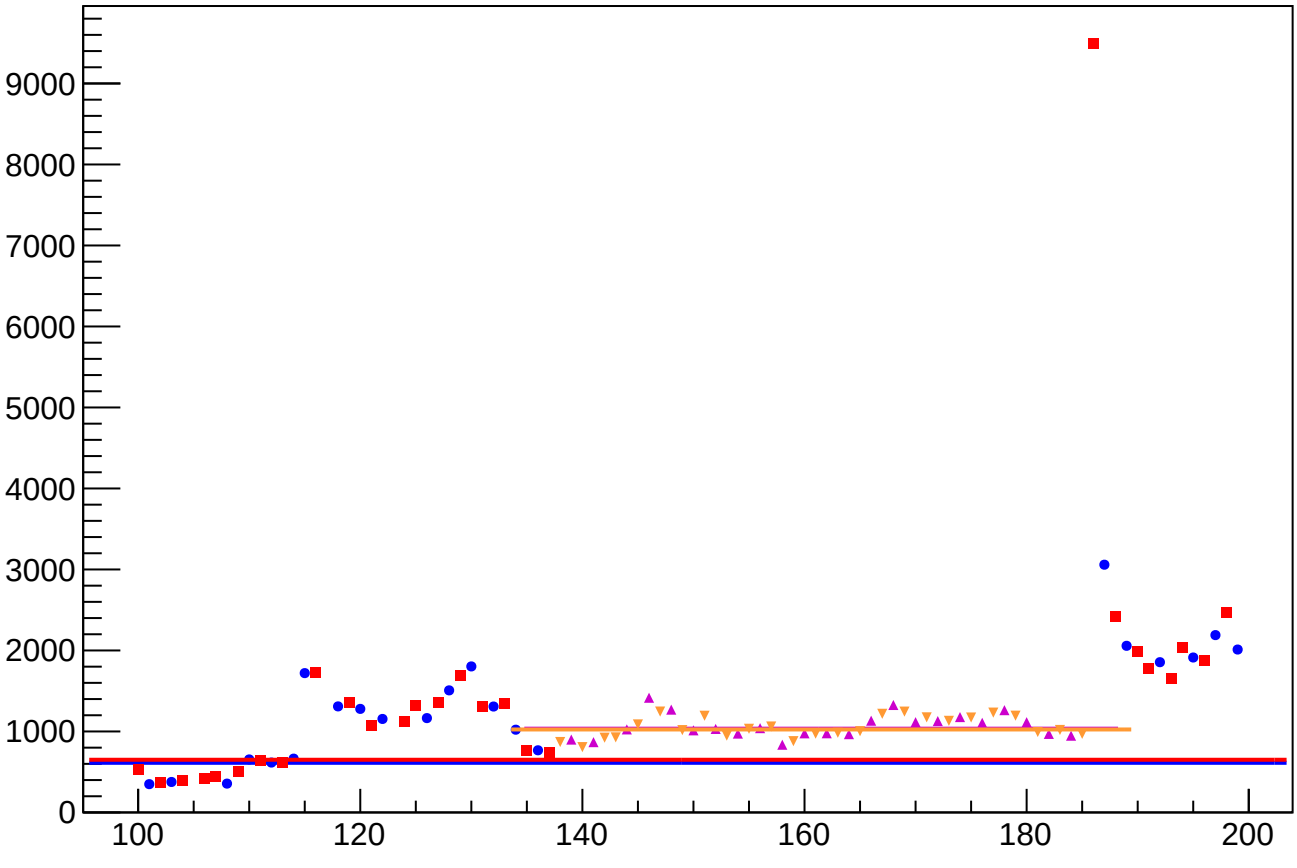
Right: 120.286+/-0.018 χ^2/NDF: 5655452.2/48

In: 141.378+/-0.019 χ^2/NDF:3571254.8/44

Out: 138.377+/-0.018 χ^2/NDF:4960149.6/51

All: 139.805+/-0.013 χ^2/NDF: 8544619.8/96


asym_sam6_eigen_cor_correction_mean vs Slug, Sign Corrected
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
Right In: 324.820+/-224.492 χ²/NDF: 20.4/21
Left Out: 319.953+/-235.084 χ²/NDF:32.5/24
Right Out: 8.369+/-225.565 χ²/NDF: 26.9/26
Left In: 39.198+/-244.156 χ²/NDF:34.8/22
Left: 184.888+/-169.346 χ²/NDF: 68.0/47
Right: 167.349+/-159.118 χ²/NDF: 48.3/48
In: 193.973+/-165.255 χ²/NDF:55.9/44
Out: 157.725+/-162.760 χ²/NDF:60.4/51
All: 175.573+/-115.961 χ²/NDF: 116.3/96



Right In: 612.973+/-0.159 χ^2/NDF: 7967133.5/21

Left Out: 1024.493+/-0.166 χ^2/NDF:597629.0/24

Right Out: 650.599+/-0.159 χ^2/NDF: 8652324.6/26

Left In: 1034.428+/-0.173 χ^2/NDF:628474.5/22

Left: 1029.273+/-0.120 χ^2/NDF: 1227821.8/47

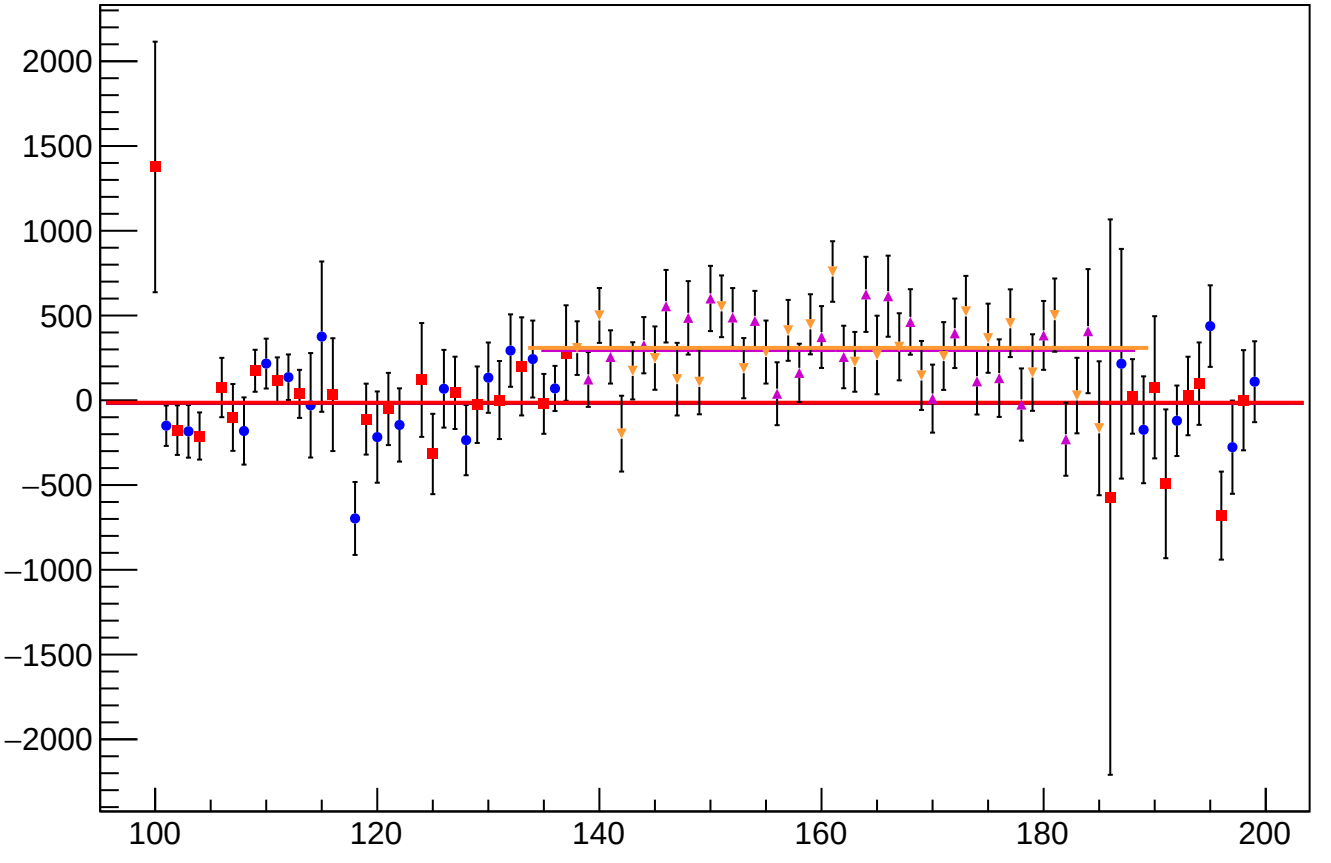
Right: 631.696+/-0.113 χ^2/NDF: 16647416.6/48

In: 806.047+/-0.117 χ^2/NDF:11824886.8/44

Out: 829.823+/-0.115 χ^2/NDF:11884046.8/51

All: 818.116+/-0.082 χ^2/NDF: 23729949.3/96

dit_asym_sam6_mean vs Slug, Sign Corrected



Right In: -16.156+/-42.337 χ^2/NDF: 29.6/21

Left Out: 309.031+/-38.901 χ^2/NDF:25.6/24

Right Out: -14.460+/-40.138 χ^2/NDF: 22.6/26

Left In: 296.497+/-40.607 χ^2/NDF:27.8/22

Left: 303.033+/-28.091 χ^2/NDF: 53.4/47

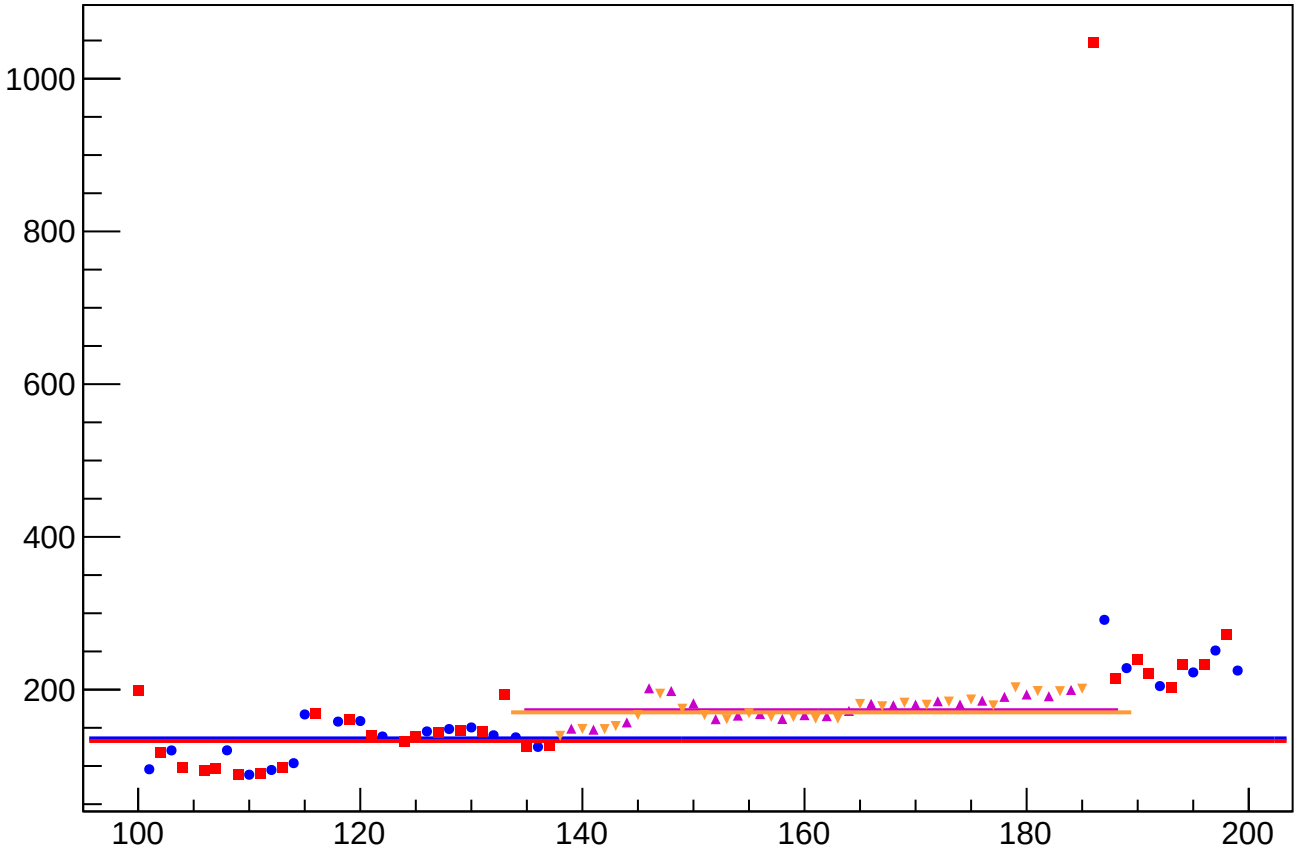
Right: -15.263+/-29.128 χ^2/NDF: 52.2/48

In: 146.688+/-29.306 χ^2/NDF:85.8/44

Out: 152.350+/-27.934 χ^2/NDF:81.7/51

All: 149.655+/-20.220 χ^2/NDF: 167.5/96

dit_asym_sam6_rms vs Slug, Sign Corrected



Right In: 136.108+/-0.030 χ^2/NDF: 2141396.5/21

Left Out: 170.240+/-0.028 χ^2/NDF:366302.5/24

Right Out: 132.784+/-0.028 χ^2/NDF: 3463573.5/26

Left In: 173.024+/-0.029 χ^2/NDF:293702.8/22

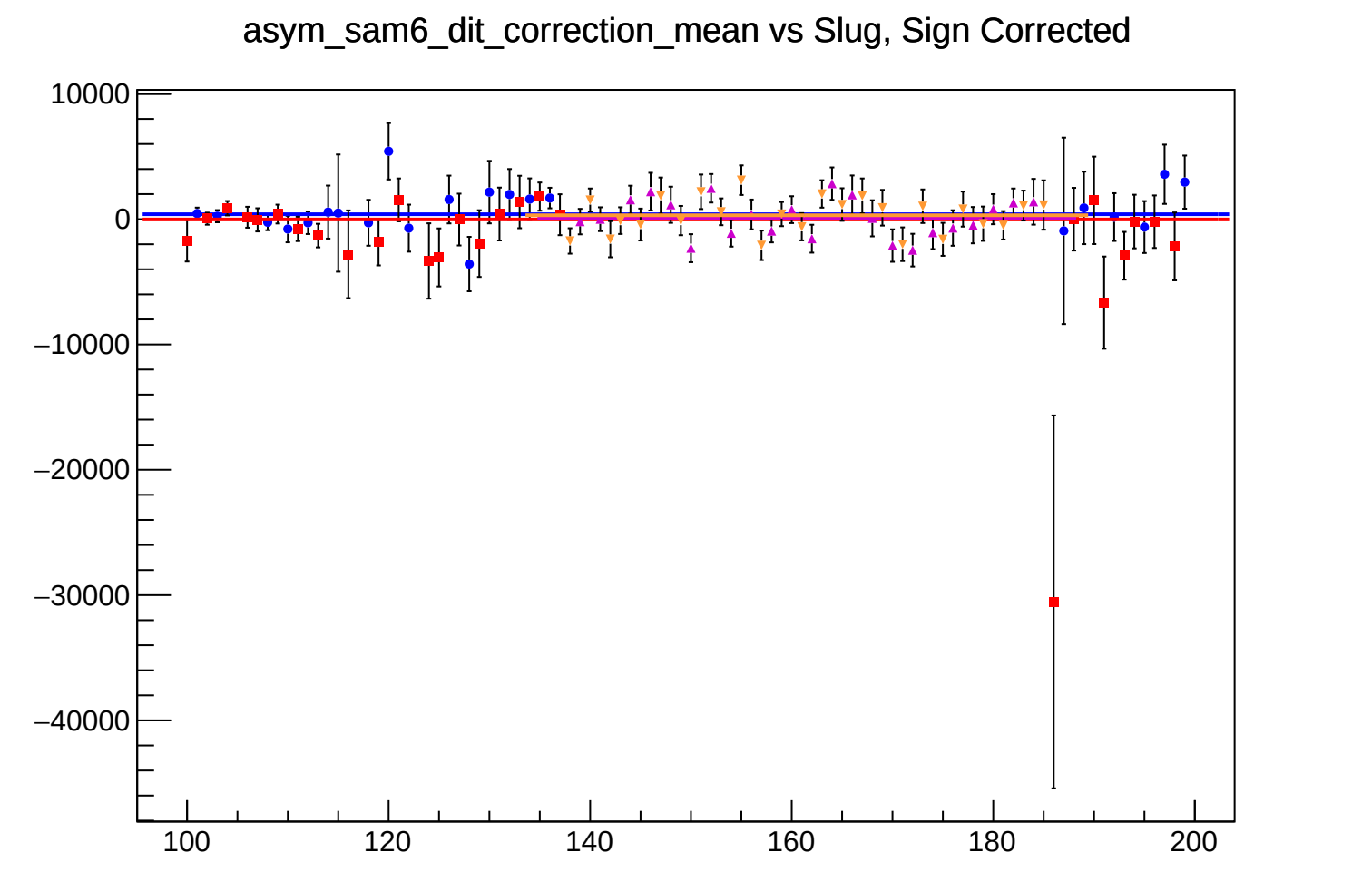
Left: 171.572+/-0.020 χ^2/NDF: 664905.1/47

Right: 134.358+/-0.021 χ^2/NDF: 5611462.6/48

In: 155.335+/-0.021 χ^2/NDF:3227105.3/44

Out: 152.099+/-0.020 χ^2/NDF:4727962.0/51

All: 153.640+/-0.014 χ^2/NDF: 7967850.9/96



Right In: 395.450+/-234.471 χ^2/NDF: 19.9/21

Left Out: 313.641+/-242.402 χ^2/NDF:32.9/24

Right Out: -21.126+/-232.677 χ^2/NDF: 26.0/26

Left In: 47.231+/-251.252 χ^2/NDF:34.4/22

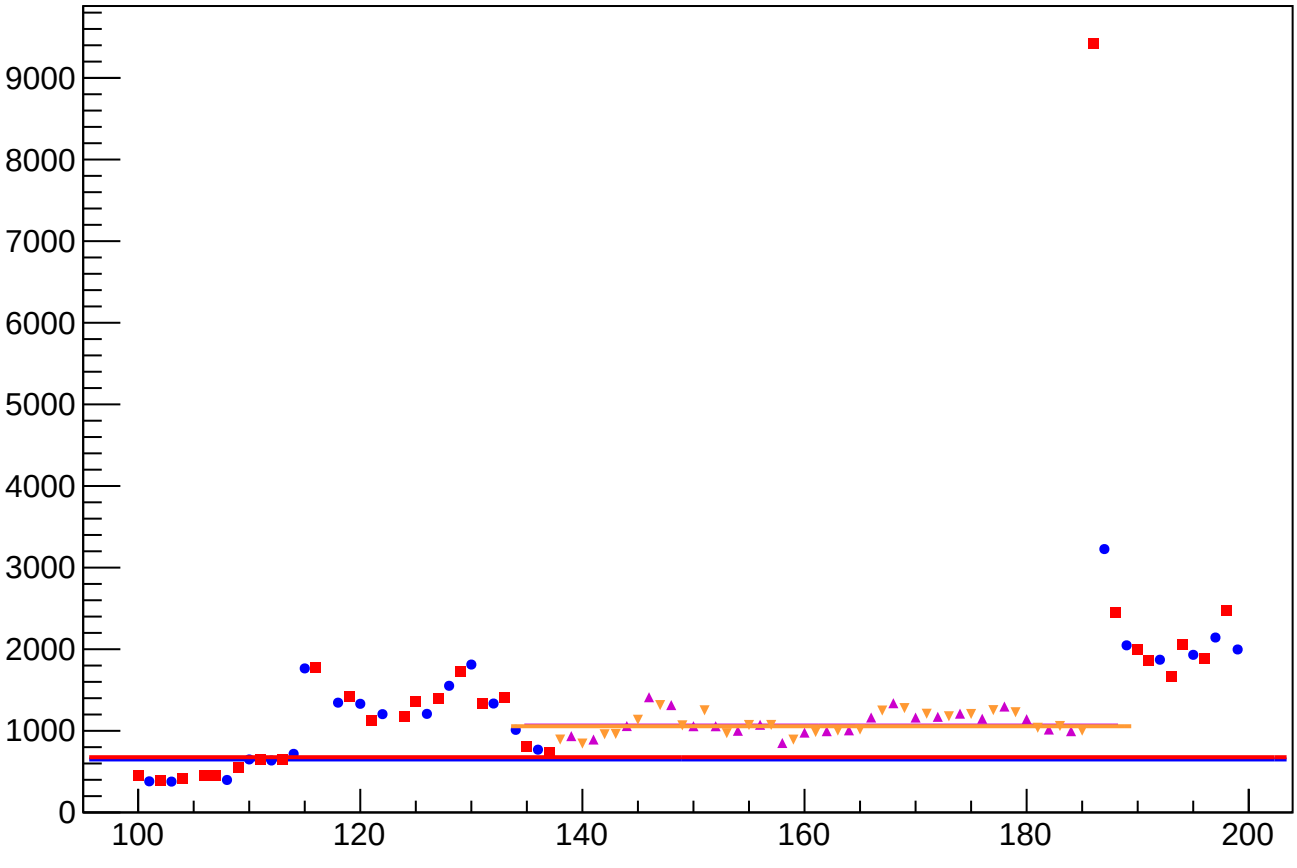
Left: 185.210+/-174.449 χ^2/NDF: 67.9/47

Right: 185.563+/-165.158 χ^2/NDF: 47.5/48

In: 233.357+/-171.422 χ^2/NDF:55.3/44

Out: 139.407+/-167.860 χ^2/NDF:59.9/51

All: 185.396+/-119.934 χ^2/NDF: 115.4/96



Right In: 649.260+/-0.166 χ^2/NDF: 7571579.8/21

Left Out: 1056.328+/-0.171 χ^2/NDF:610710.4/24

Right Out: 677.024+/-0.165 χ^2/NDF: 8505233.2/26

Left In: 1064.691+/-0.178 χ^2/NDF:611055.8/22

Left: 1060.360+/-0.123 χ^2/NDF: 1222913.7/47

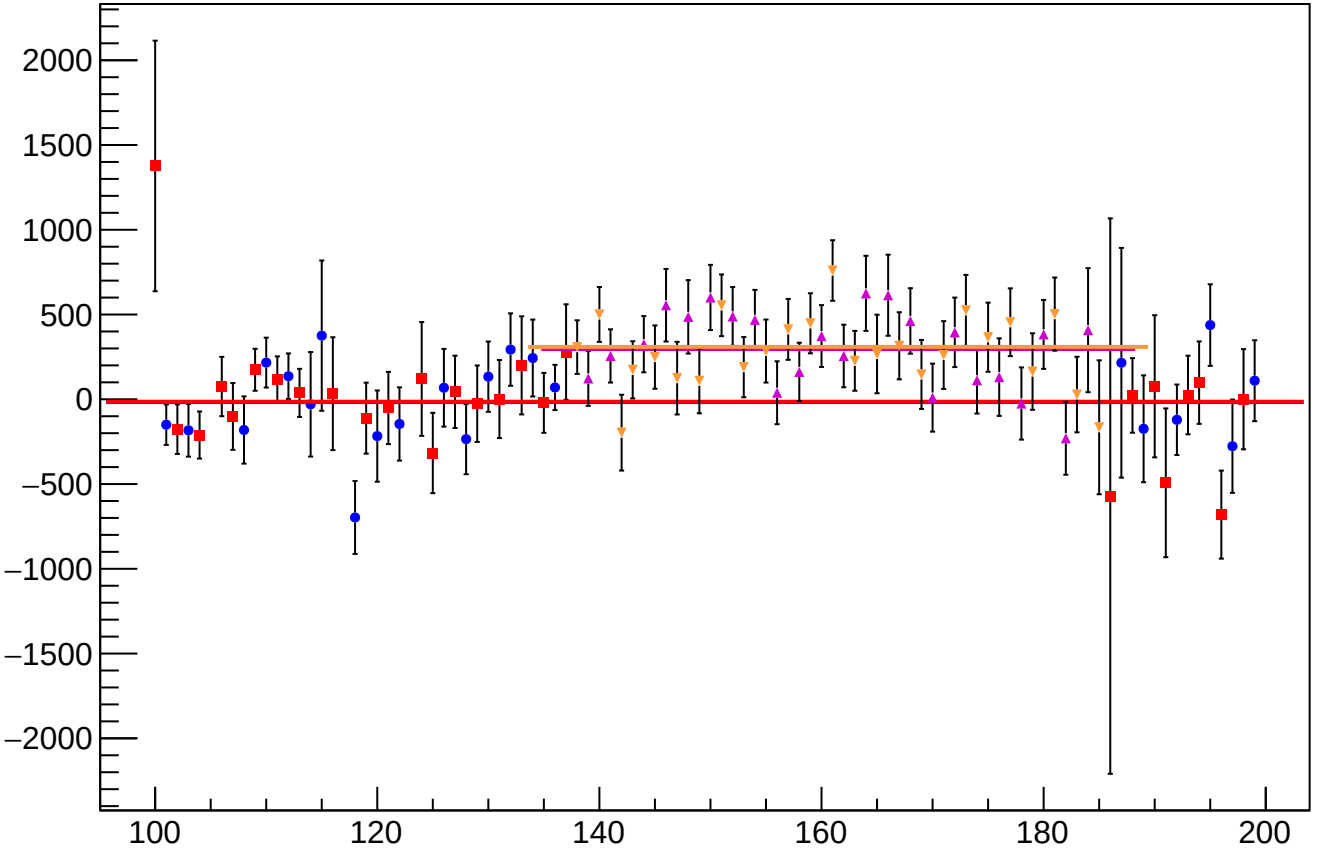
Right: 663.249+/-0.117 χ^2/NDF: 16090941.6/48

In: 842.640+/-0.121 χ^2/NDF:11105195.5/44

Out: 858.915+/-0.119 χ^2/NDF:11664659.9/51

All: 850.948+/-0.085 χ^2/NDF: 22779057.8/96

eigen_dit_asym_sam6_mean vs Slug, Sign Corrected



Right In: -16.158+/-42.336 χ^2/NDF: 29.6/21

Left Out: 309.032+/-38.901 χ^2/NDF:25.6/24

Right Out: -14.460+/-40.138 χ^2/NDF: 22.6/26

Left In: 296.497+/-40.607 χ^2/NDF:27.8/22

Left: 303.033+/-28.091 χ^2/NDF: 53.4/47

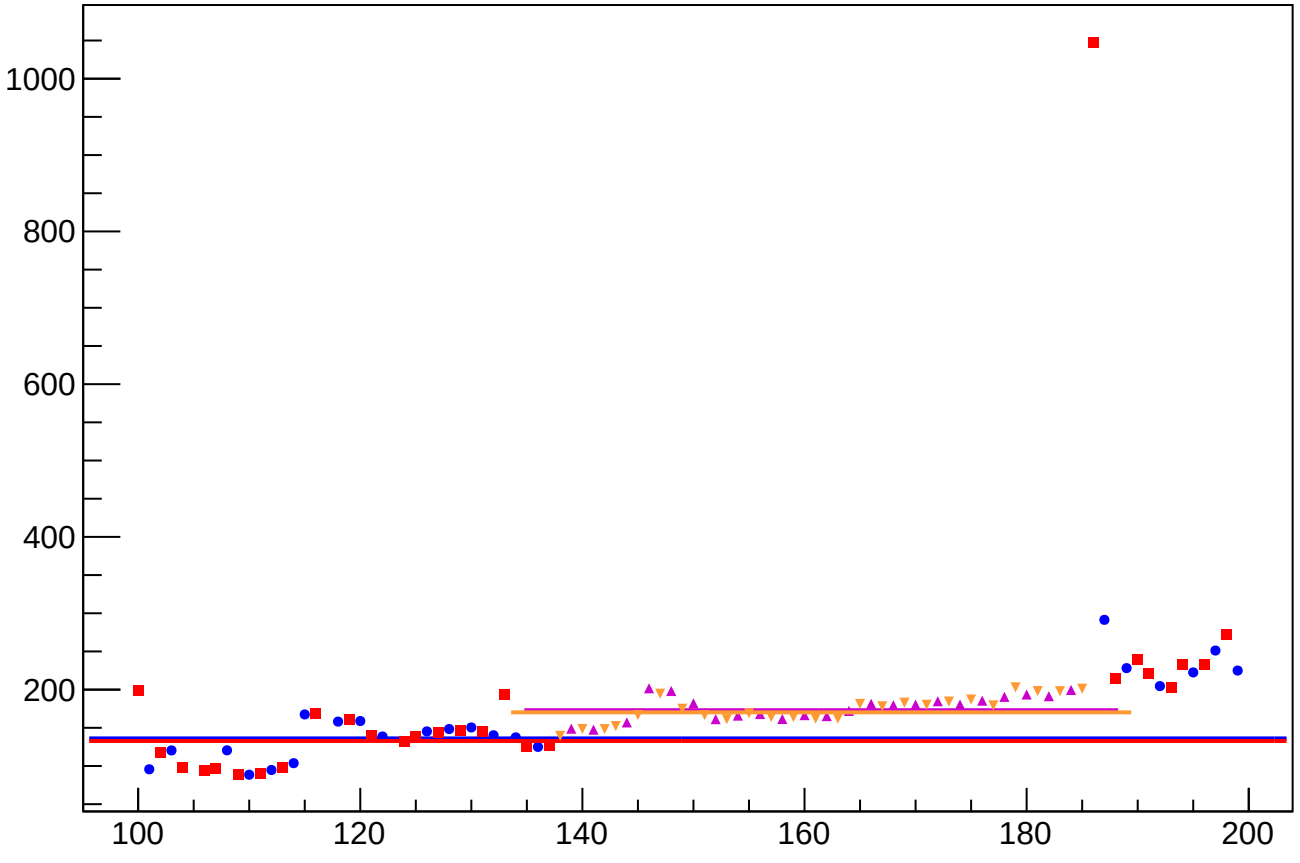
Right: -15.264+/-29.128 χ^2/NDF: 52.2/48

In: 146.687+/-29.306 χ^2/NDF:85.8/44

Out: 152.351+/-27.934 χ^2/NDF:81.7/51

All: 149.655+/-20.220 χ^2/NDF: 167.5/96

eigen_dit_asym_sam6_rms vs Slug, Sign Corrected



Right In: 136.108+/-0.030 χ^2/NDF: 2141409.2/21

Left Out: 170.240+/-0.028 χ^2/NDF:366303.1/24

Right Out: 132.784+/-0.028 χ^2/NDF: 3463574.6/26

Left In: 173.023+/-0.029 χ^2/NDF:293703.4/22

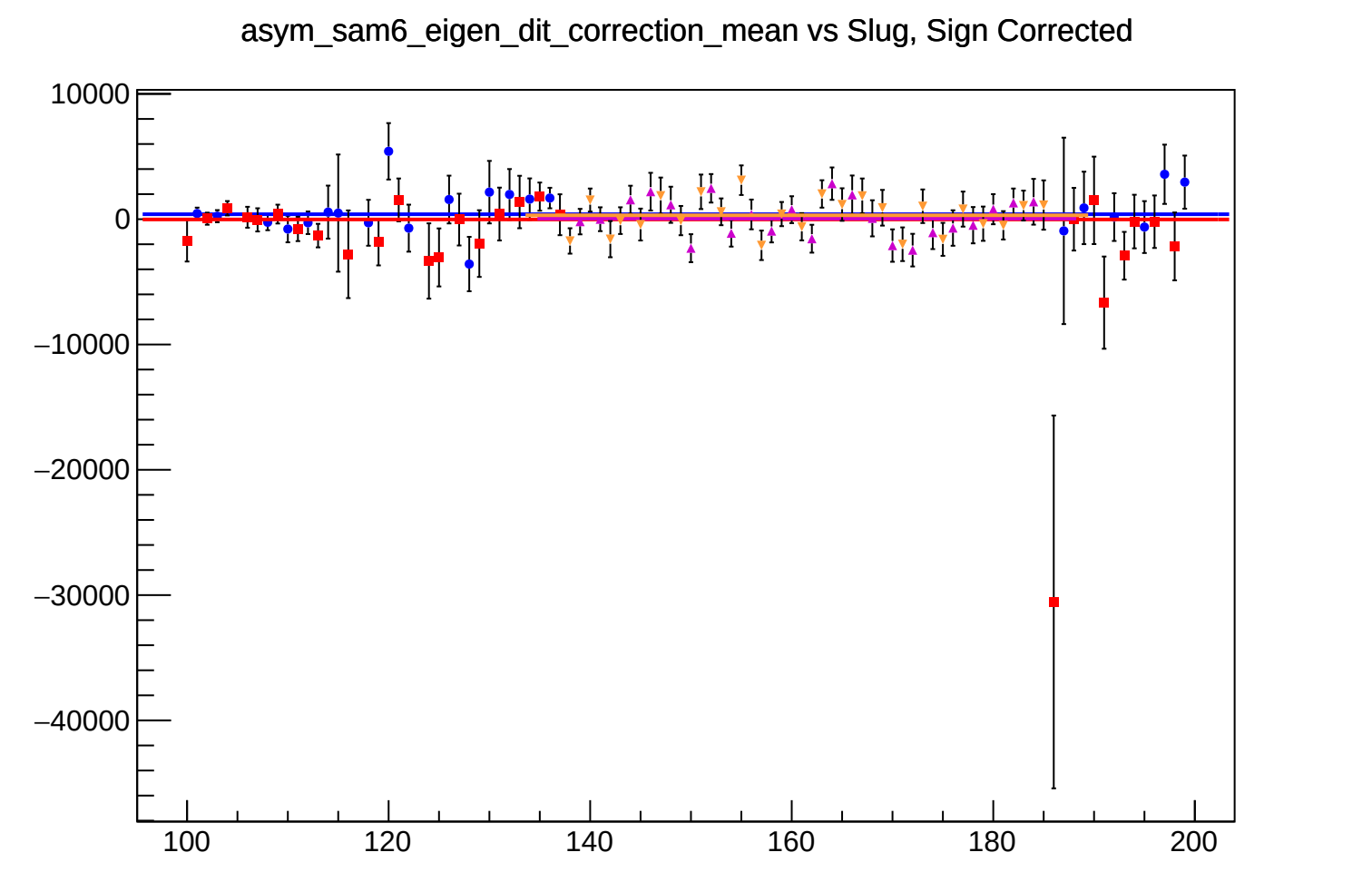
Left: 171.572+/-0.020 χ^2/NDF: 664906.3/47

Right: 134.357+/-0.021 χ^2/NDF: 5611476.1/48

In: 155.335+/-0.021 χ^2/NDF:3227124.8/44

Out: 152.098+/-0.020 χ^2/NDF:4727967.7/51

All: 153.639+/-0.014 χ^2/NDF: 7967876.1/96



Right In: 395.450+/-234.470 χ^2/NDF: 19.9/21

Left Out: 313.641+/-242.402 χ^2/NDF:32.9/24

Right Out: -21.125+/-232.677 χ^2/NDF: 26.0/26

Left In: 47.231+/-251.252 χ^2/NDF:34.4/22

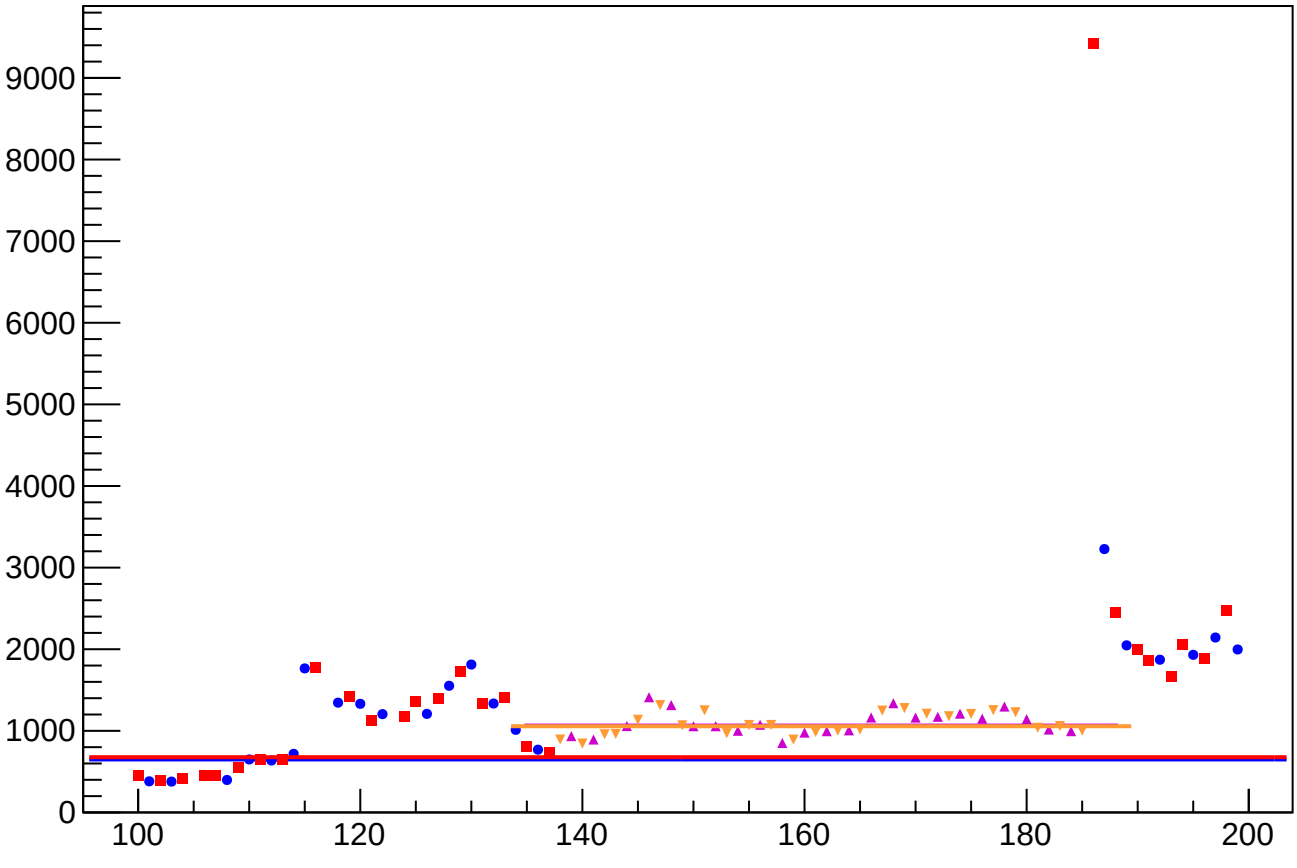
Left: 185.210+/-174.449 χ^2/NDF: 67.9/47

Right: 185.563+/-165.158 χ^2/NDF: 47.5/48

In: 233.356+/-171.421 χ^2/NDF:55.3/44

Out: 139.408+/-167.860 χ^2/NDF:59.9/51

All: 185.396+/-119.934 χ^2/NDF: 115.4/96



Right In: 649.259+/-0.166 χ^2/NDF: 7571586.9/21

Left Out: 1056.328+/-0.171 χ^2/NDF:610715.5/24

Right Out: 677.023+/-0.165 χ^2/NDF: 8505236.4/26

Left In: 1064.691+/-0.178 χ^2/NDF:611059.3/22

Left: 1060.360+/-0.123 χ^2/NDF: 1222922.4/47

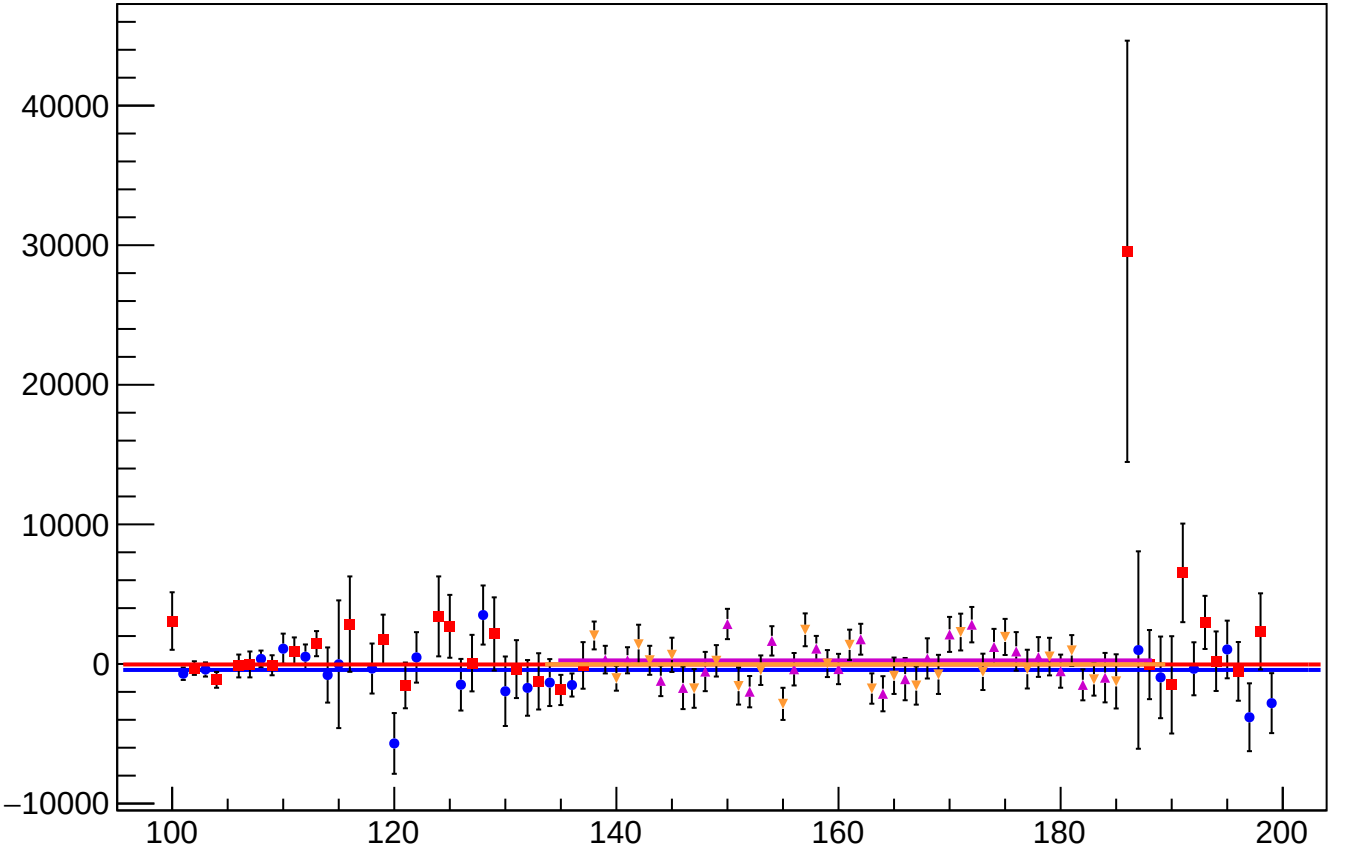
Right: 663.248+/-0.117 χ^2/NDF: 16090952.2/48

In: 842.640+/-0.121 χ^2/NDF:11105220.8/44

Out: 858.914+/-0.119 χ^2/NDF:11664680.3/51

All: 850.948+/-0.085 χ^2/NDF: 22779103.8/96

asym_sam6_mean vs Slug, Sign Corrected



Right In: -429.142+/-230.880 χ^2/NDF: 21.7/21

Left Out: -21.861+/-237.972 χ^2/NDF:34.5/24

Right Out: -36.378+/-230.605 χ^2/NDF: 30.3/26

Left In: 255.399+/-247.203 χ^2/NDF:33.6/22

Left: 111.496+/-171.442 χ^2/NDF: 68.7/47

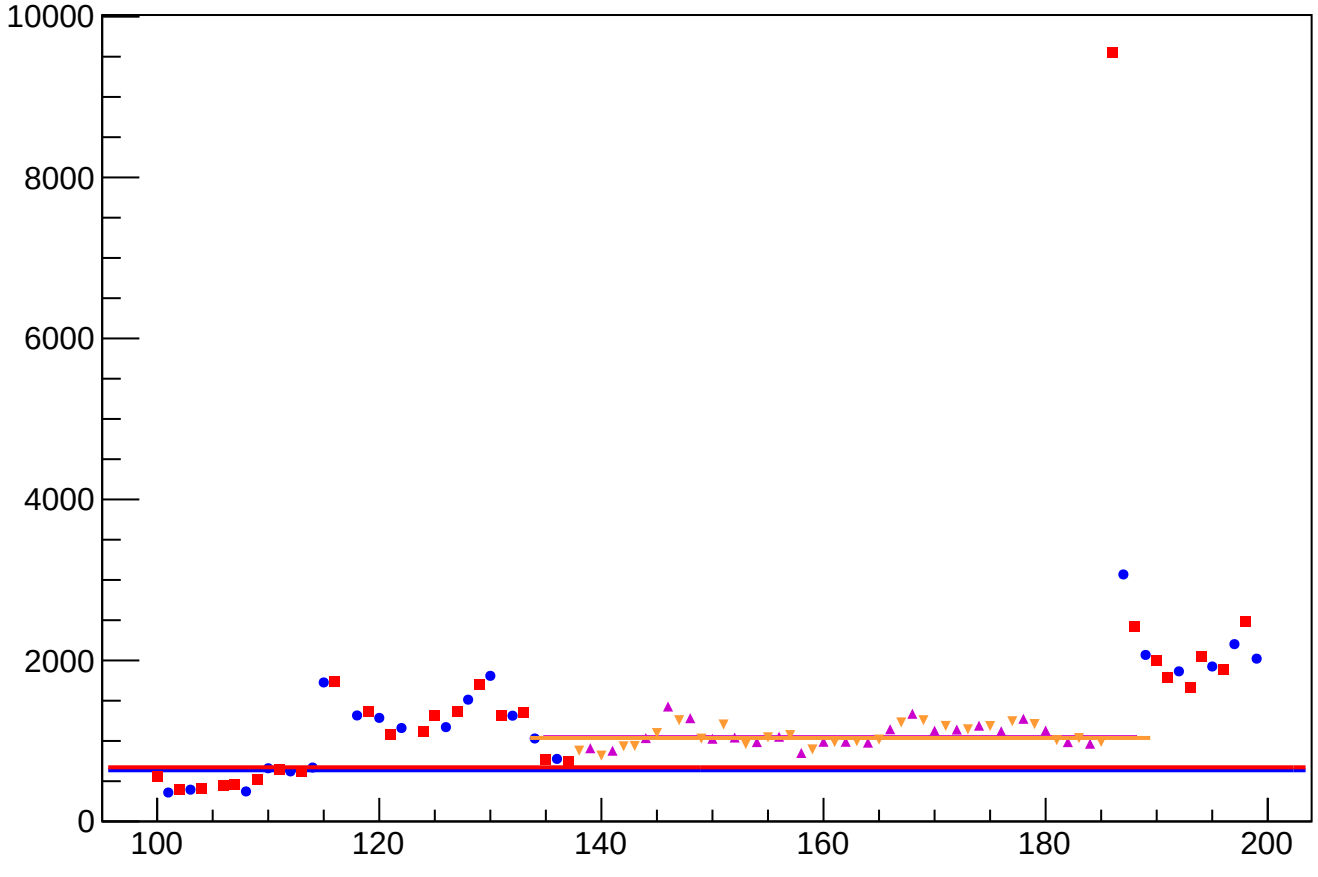
Right: -232.526+/-163.160 χ^2/NDF: 53.5/48

In: -110.216+/-168.732 χ^2/NDF:59.4/44

Out: -29.348+/-165.606 χ^2/NDF:64.8/51

All: -69.025+/-118.191 χ^2/NDF: 124.3/96

asym_sam6_rms vs Slug, Sign Corrected



Right In: 635.706+/-0.163 χ^2/NDF: 7711181.1/21

Left Out: 1037.324+/-0.168 χ^2/NDF:585511.9/24

Right Out: 672.810+/-0.163 χ^2/NDF: 8387385.2/26

Left In: 1047.629+/-0.175 χ^2/NDF:613357.0/22

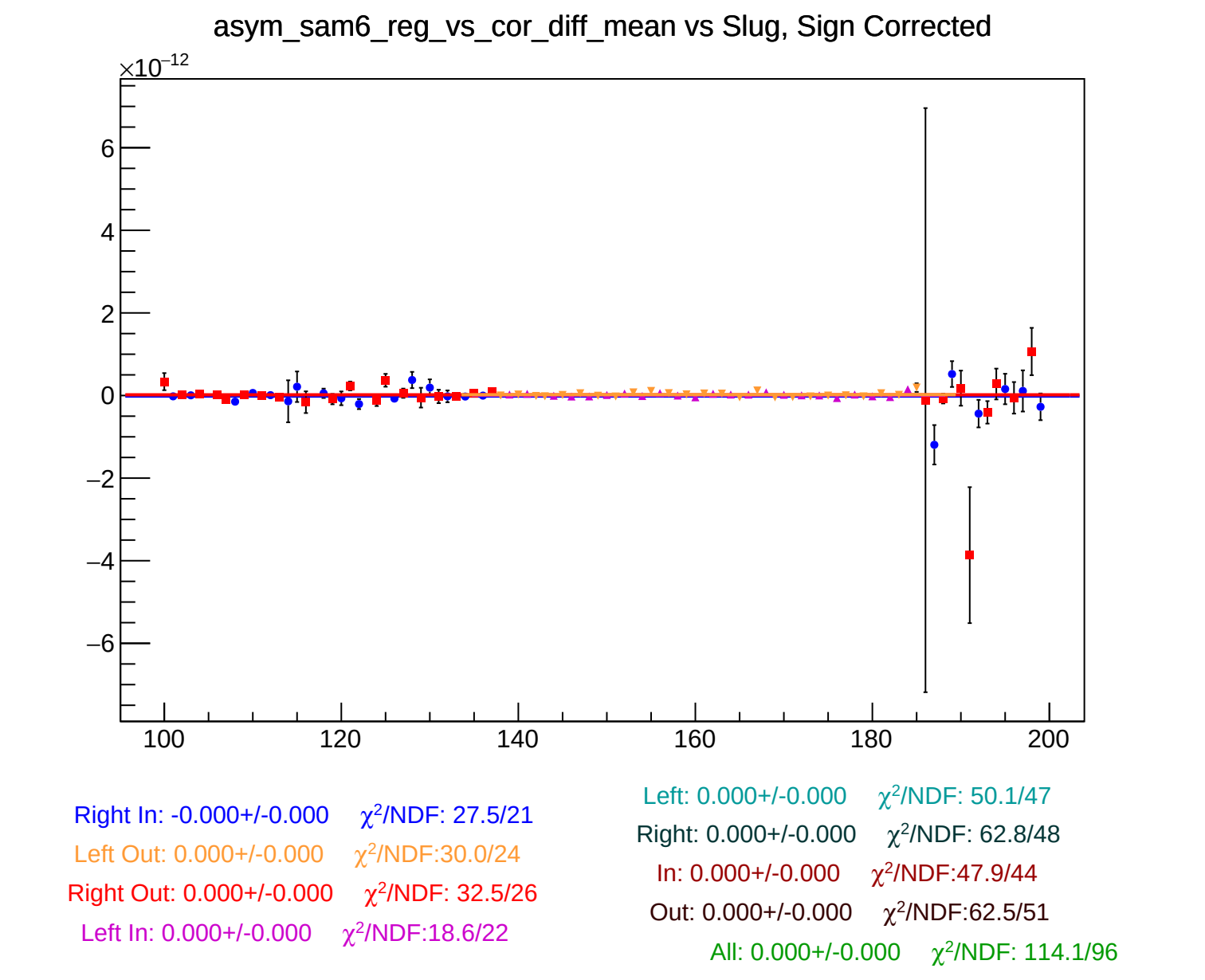
Left: 1042.281+/-0.121 χ^2/NDF: 1200672.6/47

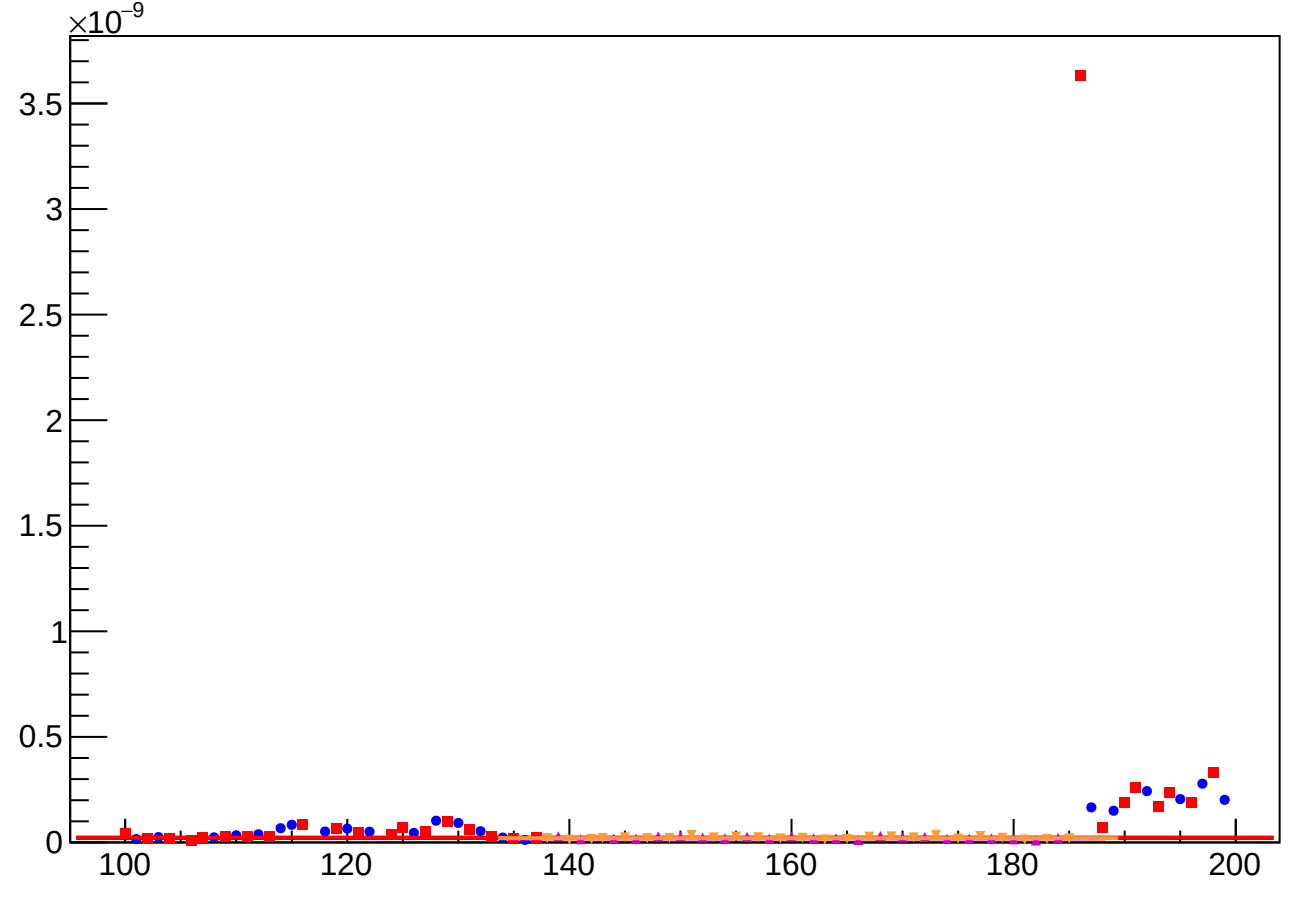
Right: 654.280+/-0.115 χ^2/NDF: 16124423.3/48

In: 827.620+/-0.119 χ^2/NDF:11290600.3/44

Out: 849.337+/-0.117 χ^2/NDF:11392930.6/51

All: 838.682+/-0.084 χ^2/NDF: 22700406.4/96


asym_sam6_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: 27.5/21
Left Out: 0.000+/-0.000 χ²/NDF:30.0/24
Right Out: 0.000+/-0.000 χ²/NDF: 32.5/26
Left In: 0.000+/-0.000 χ²/NDF:18.6/22
Left: 0.000+/-0.000 χ²/NDF: 50.1/47
Right: 0.000+/-0.000 χ²/NDF: 62.8/48
In: 0.000+/-0.000 χ²/NDF:47.9/44
Out: 0.000+/-0.000 χ²/NDF:62.5/51
All: 0.000+/-0.000 χ²/NDF: 114.1/96



Right In: 0.000+/-0.000 χ^2/NDF: 5079789.6/21

Left Out: 0.000+/-0.000 χ^2/NDF:993542.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5306988.2/26

Left In: 0.000+/-0.000 χ^2/NDF:1048721.4/22

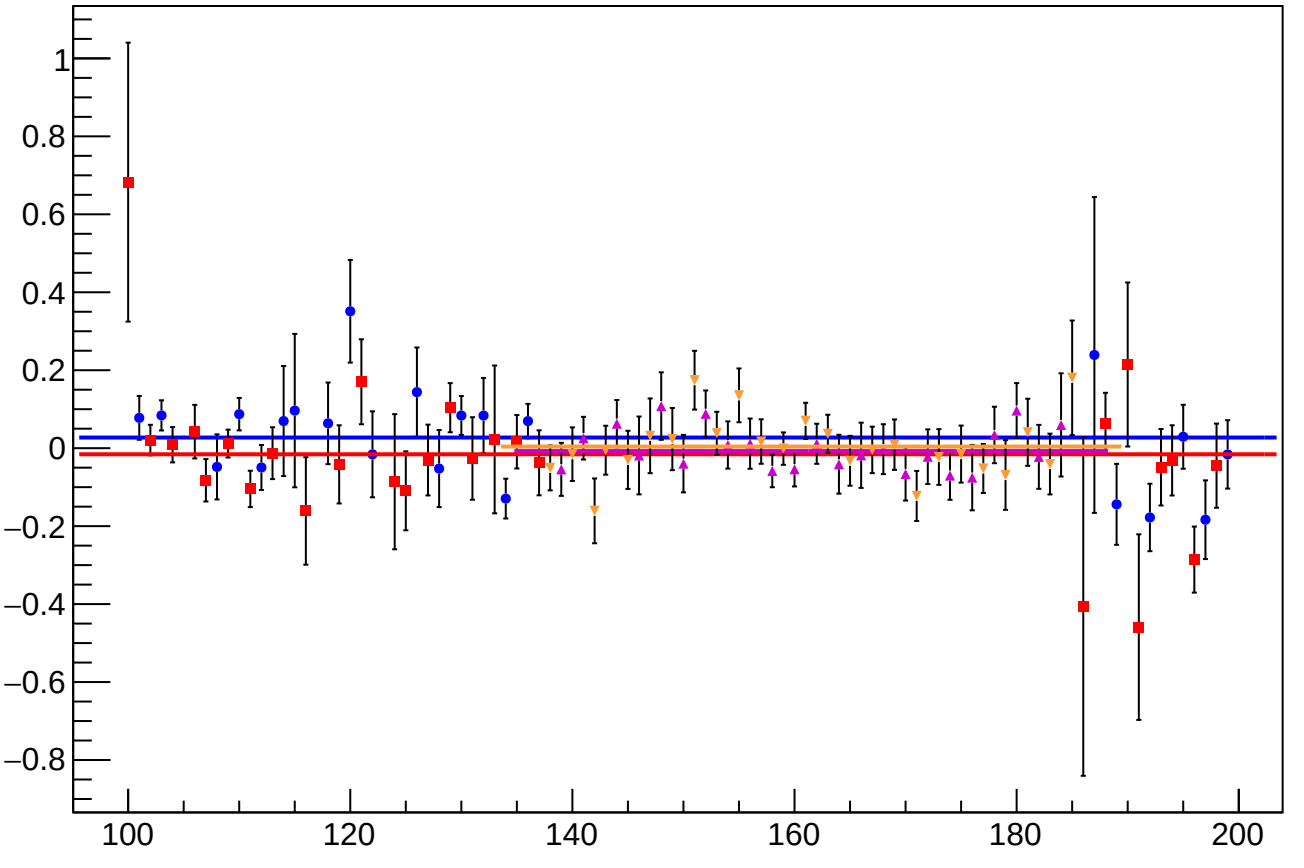
Left: 0.000+/-0.000 χ^2/NDF: 2058189.4/47

Right: 0.000+/-0.000 χ^2/NDF: 10393989.2/48

In: 0.000+/-0.000 χ^2/NDF:6179318.6/44

Out: 0.000+/-0.000 χ^2/NDF:6353439.3/51

All: 0.000+/-0.000 χ^2/NDF: 12552684.5/96



Right In: 0.027+/-0.015 χ^2/NDF: 41.0/21

Left Out: 0.004+/-0.013 χ^2/NDF:24.8/24

Right Out: -0.016+/-0.014 χ^2/NDF: 37.3/26

Left In: -0.007+/-0.014 χ^2/NDF:15.1/22

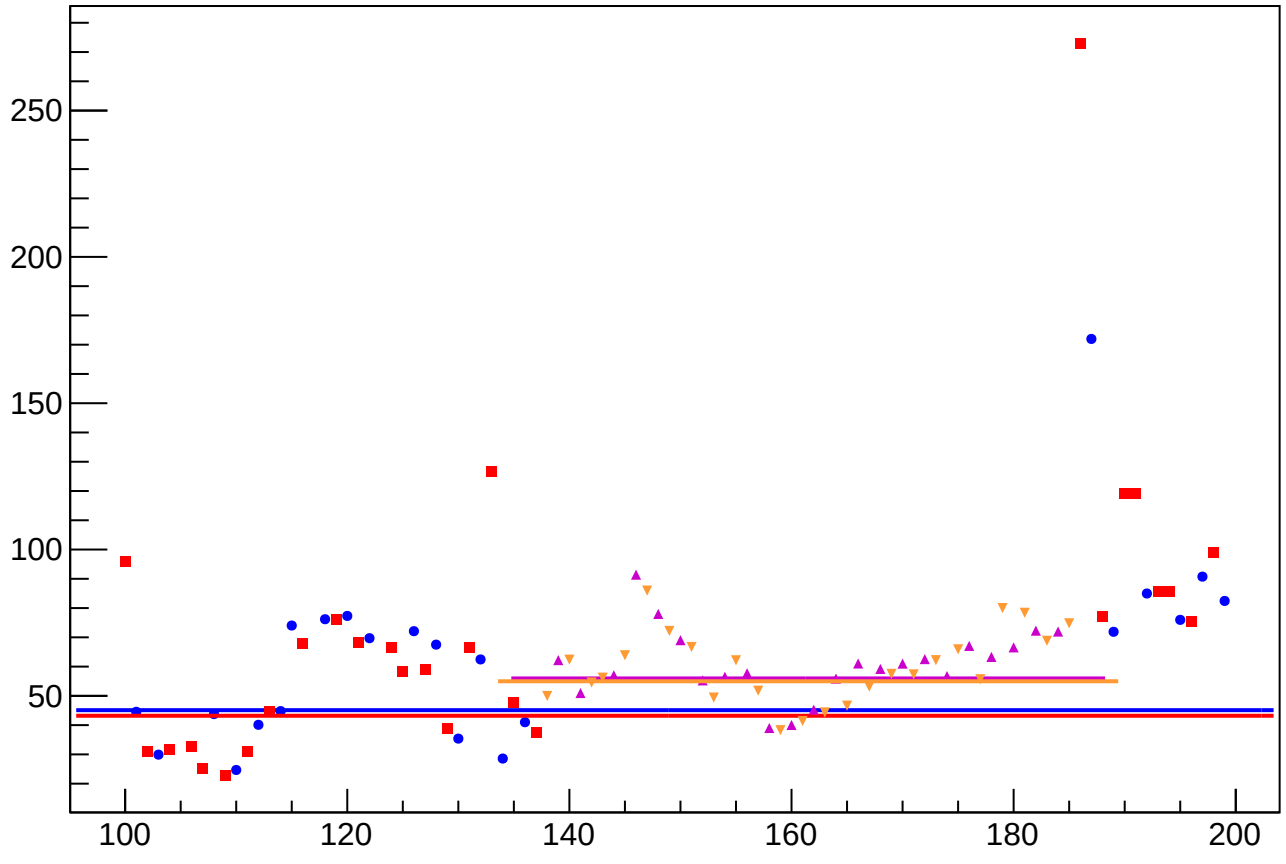
Left: -0.001+/-0.009 χ^2/NDF: 40.2/47

Right: 0.005+/-0.010 χ^2/NDF: 82.7/48

In: 0.008+/-0.010 χ^2/NDF:59.1/44

Out: -0.005+/-0.010 χ^2/NDF:63.2/51

All: 0.001+/-0.007 χ^2/NDF: 123.2/96



Right In: 45.111+/-0.011 χ^2/NDF: 3634641.7/21

Left Out: 54.986+/-0.009 χ^2/NDF:1566844.0/24

Right Out: 43.205+/-0.010 χ^2/NDF: 5491887.2/26

Left In: 55.956+/-0.010 χ^2/NDF:1406142.1/22

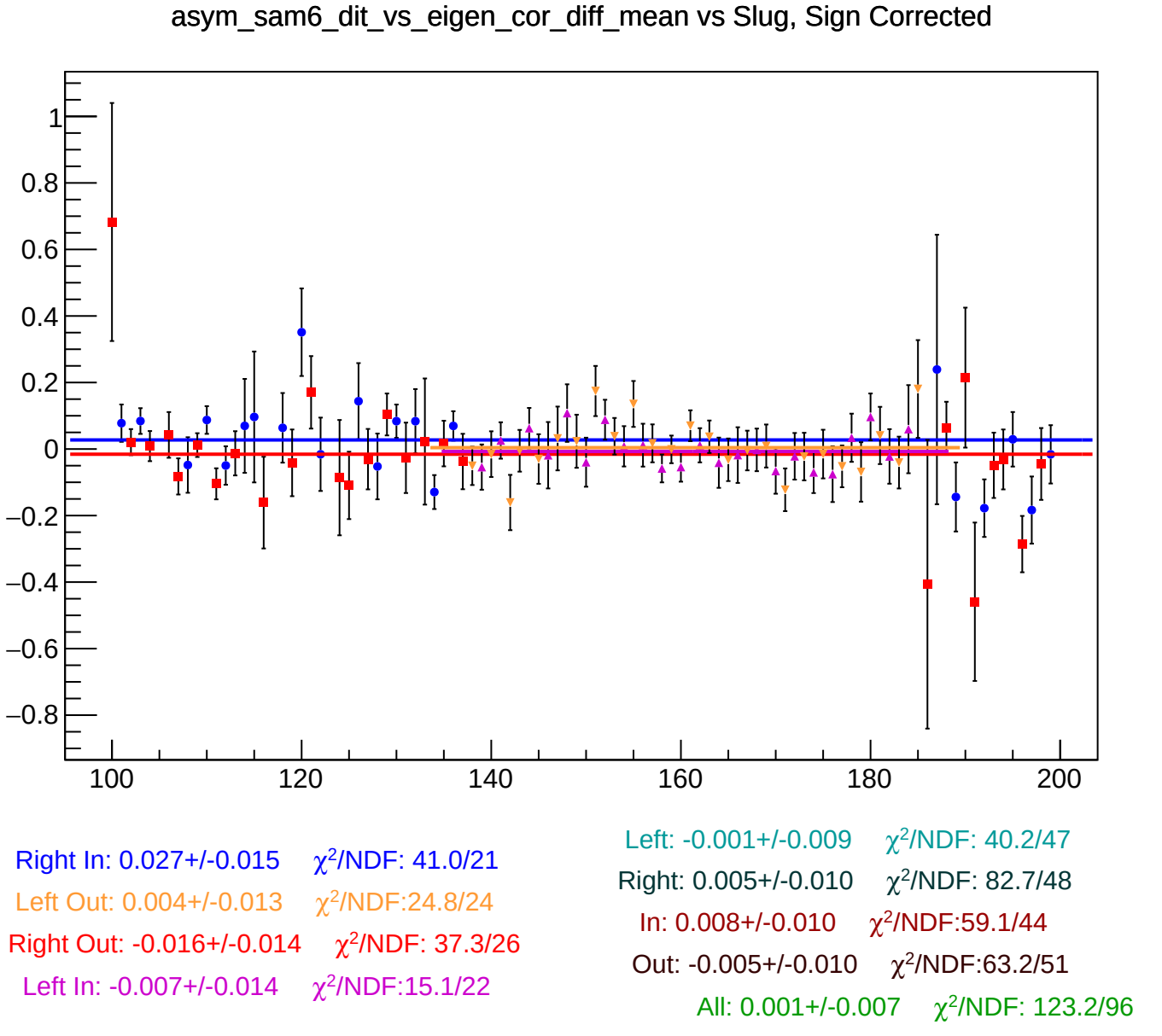
Left: 55.451+/-0.007 χ^2/NDF: 2978352.9/47

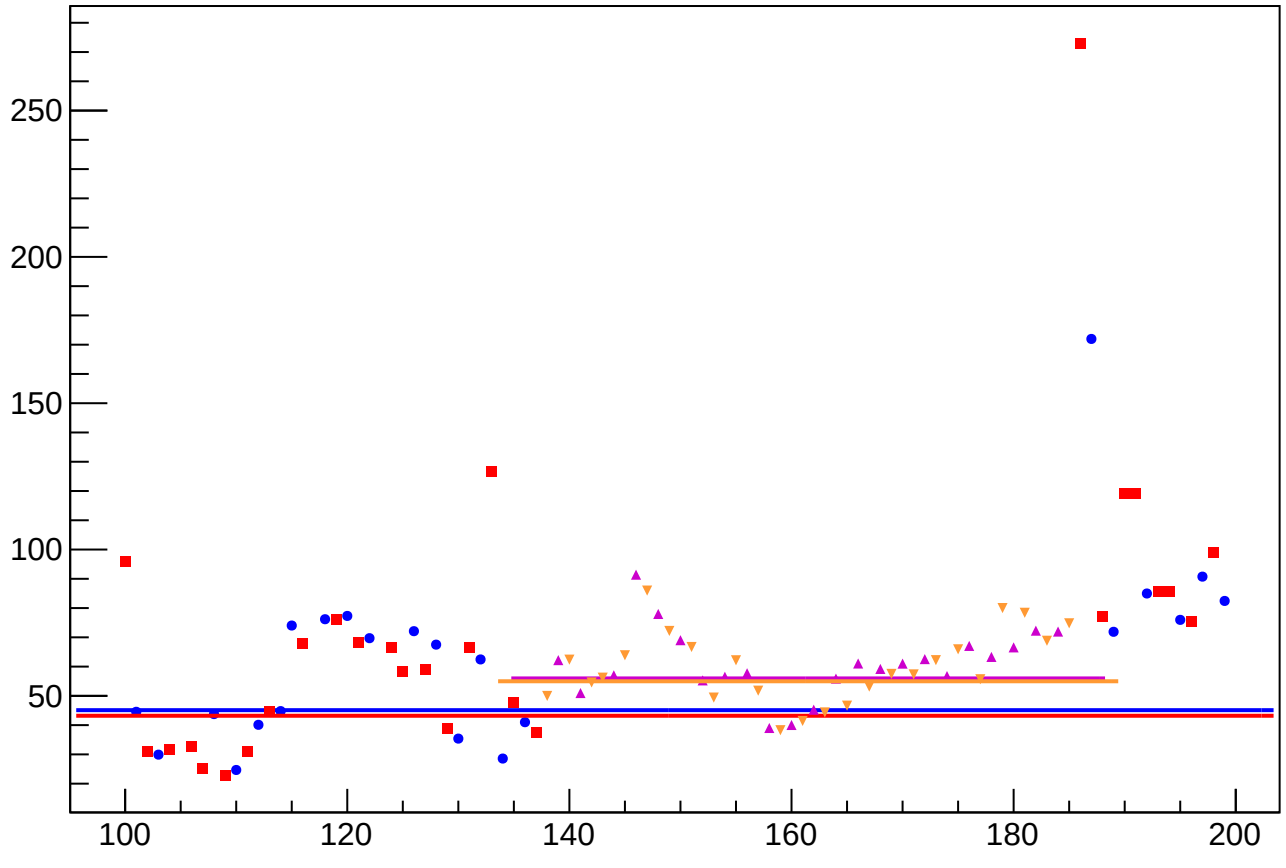
Right: 44.106+/-0.007 χ^2/NDF: 9143803.2/48

In: 51.059+/-0.007 χ^2/NDF:5621953.1/44

Out: 49.591+/-0.007 χ^2/NDF:7816190.0/51

All: 50.290+/-0.005 χ^2/NDF: 13460689.2/96


asym_sam6_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
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: 0.027+/-0.015 χ²/NDF: 41.0/21
Left Out: 0.004+/-0.013 χ²/NDF:24.8/24
Right Out: -0.016+/-0.014 χ²/NDF: 37.3/26
Left In: -0.007+/-0.014 χ²/NDF:15.1/22
Left: -0.001+/-0.009 χ²/NDF: 40.2/47
Right: 0.005+/-0.010 χ²/NDF: 82.7/48
In: 0.008+/-0.010 χ²/NDF:59.1/44
Out: -0.005+/-0.010 χ²/NDF:63.2/51
All: 0.001+/-0.007 χ²/NDF: 123.2/96



Right In: 45.111+/-0.011 χ^2/NDF: 3634641.7/21

Left Out: 54.986+/-0.009 χ^2/NDF:1566844.0/24

Right Out: 43.205+/-0.010 χ^2/NDF: 5491887.2/26

Left In: 55.956+/-0.010 χ^2/NDF:1406142.1/22

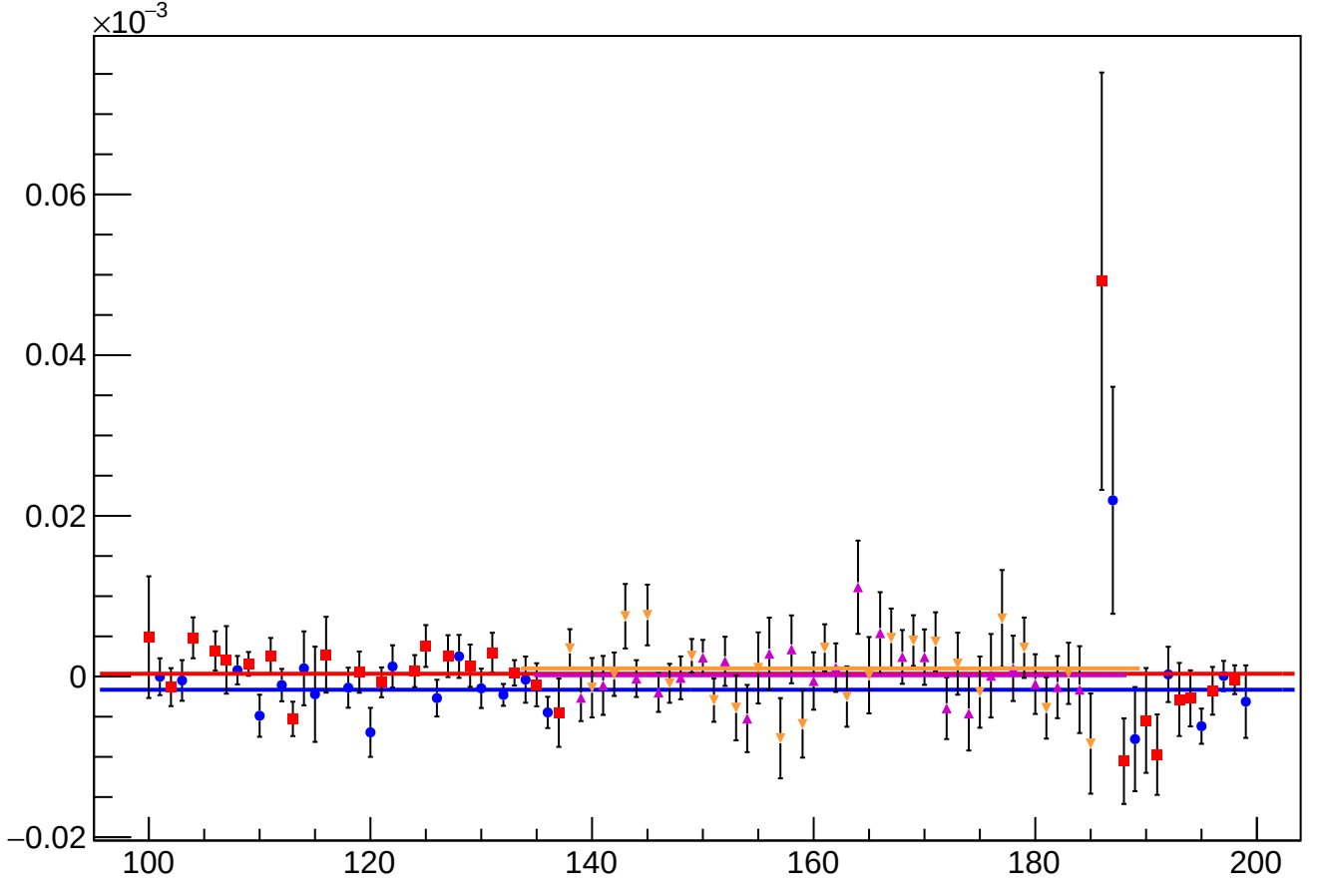
Left: 55.451+/-0.007 χ^2/NDF: 2978352.9/47

Right: 44.106+/-0.007 χ^2/NDF: 9143803.2/48

In: 51.059+/-0.007 χ^2/NDF:5621953.1/44

Out: 49.591+/-0.007 χ^2/NDF:7816190.0/51

All: 50.290+/-0.005 χ^2/NDF: 13460689.2/96



Right In: -0.000+/-0.000 χ^2/NDF: 23.2/21

Left Out: 0.000+/-0.000 χ^2/NDF:28.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 34.5/26

Left In: 0.000+/-0.000 χ^2/NDF:14.0/22

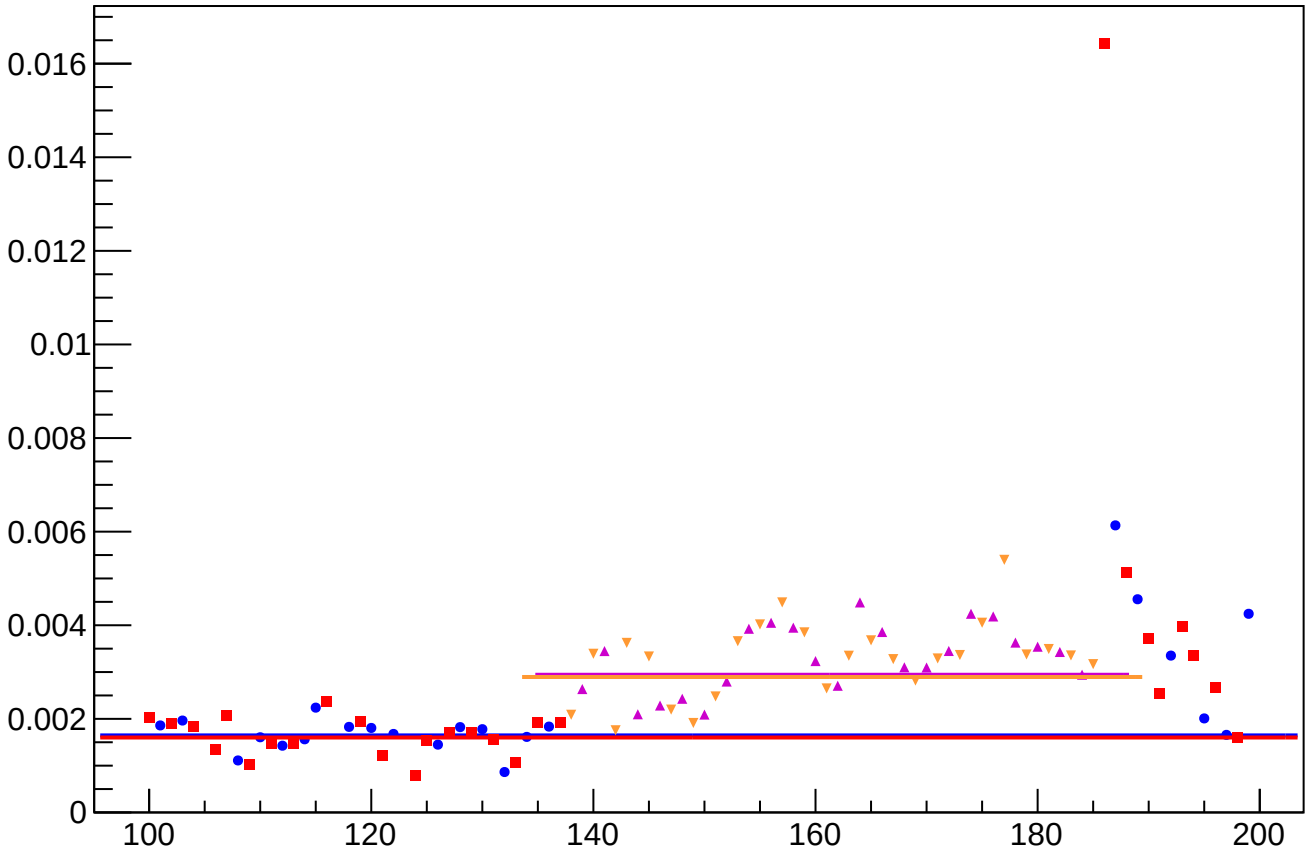
Left: 0.000+/-0.000 χ^2/NDF: 43.3/47

Right: -0.000+/-0.000 χ^2/NDF: 65.3/48

In: -0.000+/-0.000 χ^2/NDF:41.3/44

Out: 0.000+/-0.000 χ^2/NDF:63.7/51

All: -0.000+/-0.000 χ^2/NDF: 112.4/96



Right In: 0.002+/-0.000 χ^2/NDF: 2812518.2/21

Left Out: 0.003+/-0.000 χ^2/NDF:2642911.8/24

Right Out: 0.002+/-0.000 χ^2/NDF: 4334635.3/26

Left In: 0.003+/-0.000 χ^2/NDF:1890470.3/22

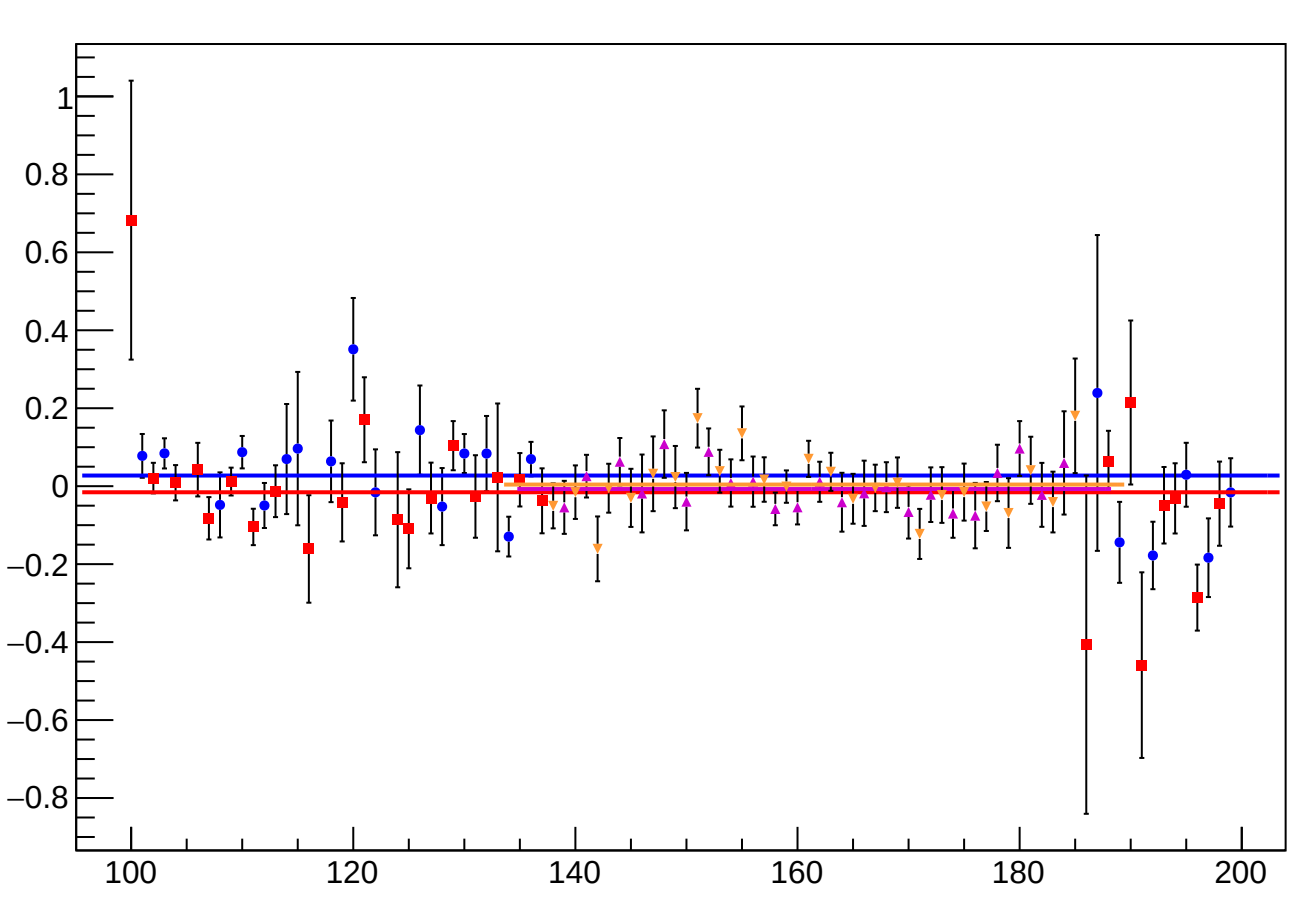
Left: 0.003+/-0.000 χ^2/NDF: 4538040.8/47

Right: 0.002+/-0.000 χ^2/NDF: 7154804.6/48

In: 0.002+/-0.000 χ^2/NDF:9004981.1/44

Out: 0.002+/-0.000 χ^2/NDF:11632030.3/51

All: 0.002+/-0.000 χ^2/NDF: 20656990.7/96



Right In: 0.027+/-0.015 χ^2/NDF: 41.0/21

Left Out: 0.004+/-0.013 χ^2/NDF:24.8/24

Right Out: -0.016+/-0.014 χ^2/NDF: 37.3/26

Left In: -0.007+/-0.014 χ^2/NDF:15.1/22

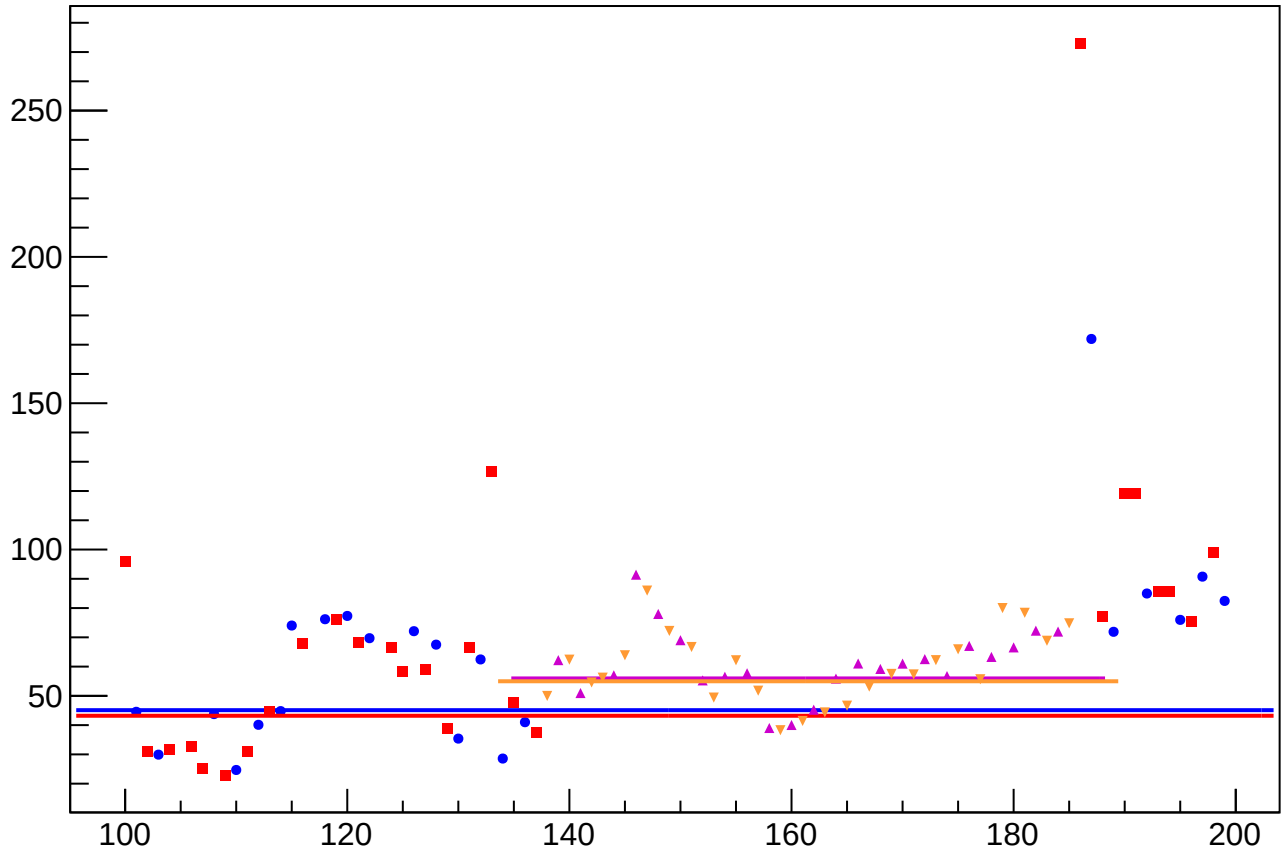
Left: -0.001+/-0.009 χ^2/NDF: 40.2/47

Right: 0.005+/-0.010 χ^2/NDF: 82.7/48

In: 0.008+/-0.010 χ^2/NDF:59.1/44

Out: -0.005+/-0.010 χ^2/NDF:63.2/51

All: 0.001+/-0.007 χ^2/NDF: 123.2/96



Right In: 45.111+/-0.011 χ^2/NDF: 3634720.5/21

Left Out: 54.985+/-0.009 χ^2/NDF:1566963.9/24

Right Out: 43.205+/-0.010 χ^2/NDF: 5491870.5/26

Left In: 55.955+/-0.010 χ^2/NDF:1406309.5/22

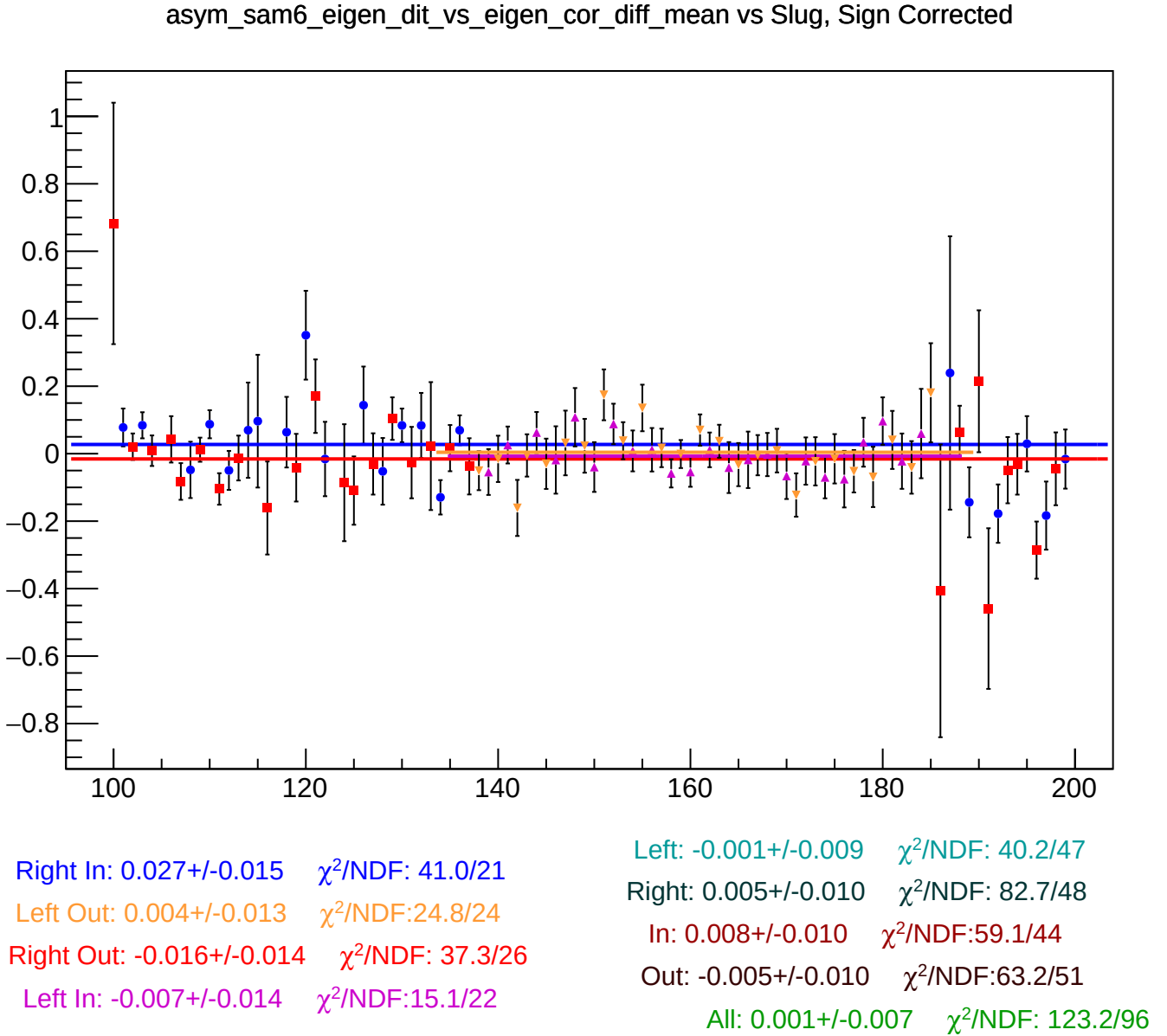
Left: 55.449+/-0.007 χ^2/NDF: 2978638.3/47

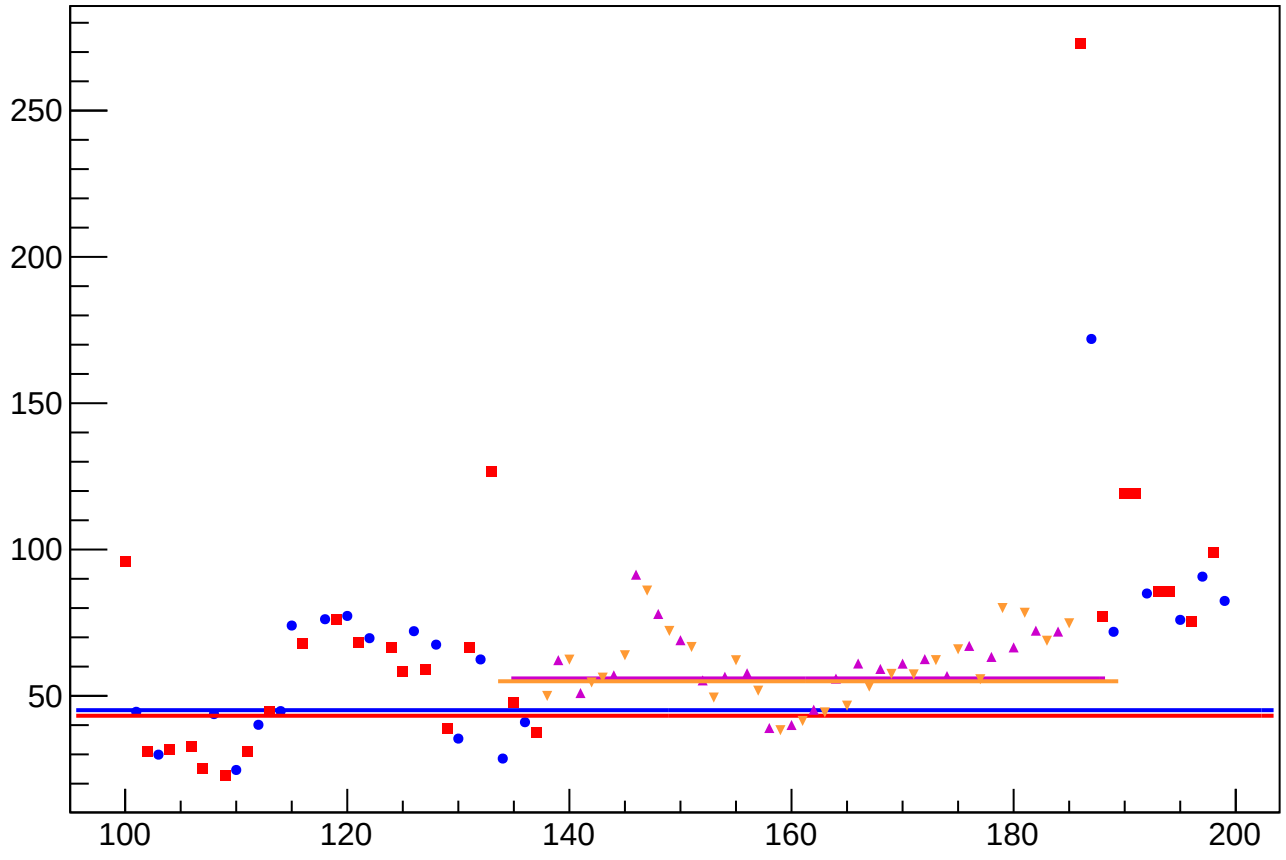
Right: 44.105+/-0.007 χ^2/NDF: 9143860.9/48

In: 51.058+/-0.007 χ^2/NDF:5622152.7/44

Out: 49.591+/-0.007 χ^2/NDF:7816224.4/51

All: 50.289+/-0.005 χ^2/NDF: 13460916.8/96


asym_sam6_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
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: 0.027+/-0.015 χ²/NDF: 41.0/21
Left Out: 0.004+/-0.013 χ²/NDF:24.8/24
Right Out: -0.016+/-0.014 χ²/NDF: 37.3/26
Left In: -0.007+/-0.014 χ²/NDF:15.1/22
Left: -0.001+/-0.009 χ²/NDF: 40.2/47
Right: 0.005+/-0.010 χ²/NDF: 82.7/48
In: 0.008+/-0.010 χ²/NDF:59.1/44
Out: -0.005+/-0.010 χ²/NDF:63.2/51
All: 0.001+/-0.007 χ²/NDF: 123.2/96



Right In: 45.111+/-0.011 χ^2/NDF: 3634720.5/21

Left Out: 54.985+/-0.009 χ^2/NDF:1566963.9/24

Right Out: 43.205+/-0.010 χ^2/NDF: 5491870.5/26

Left In: 55.955+/-0.010 χ^2/NDF:1406309.5/22

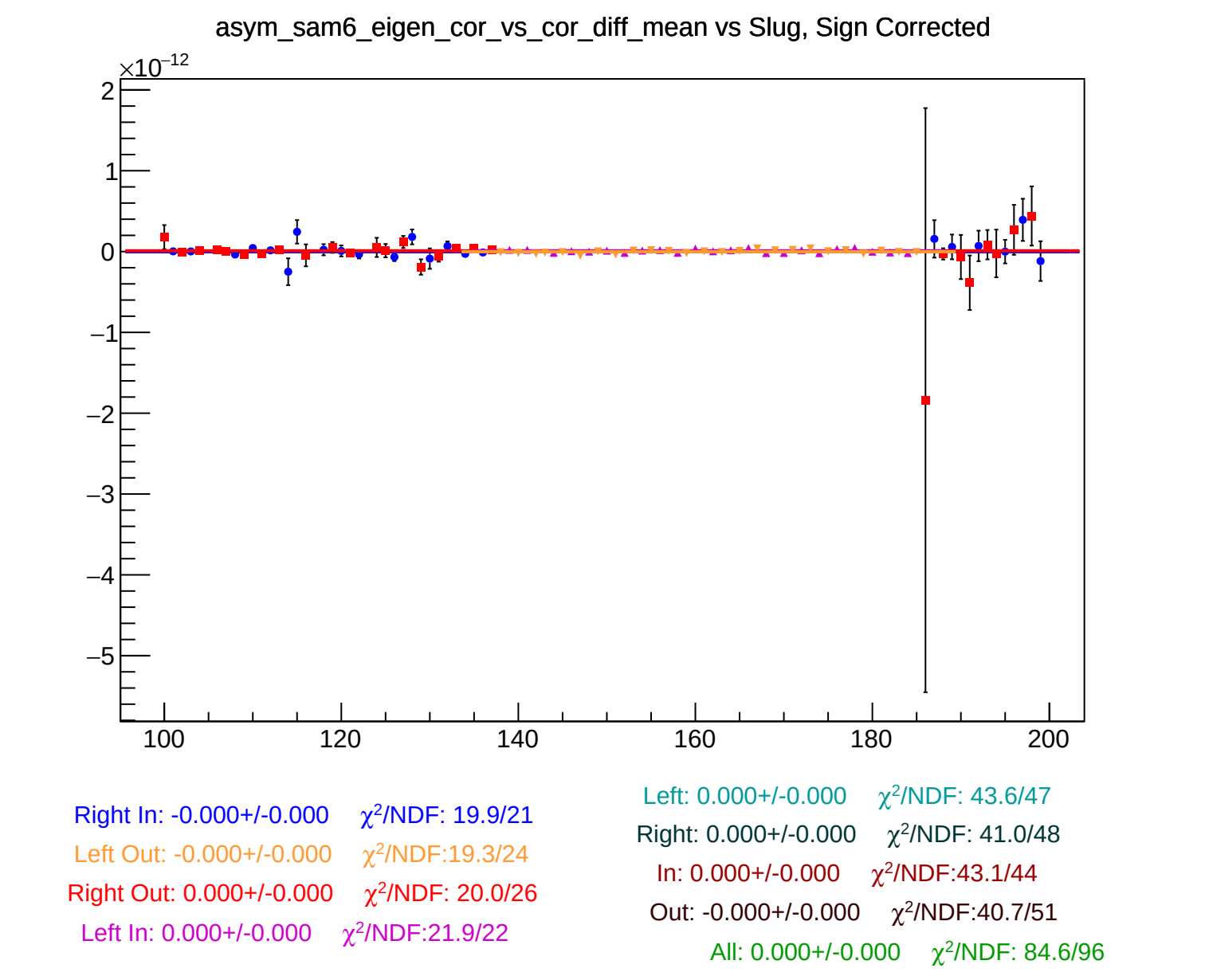
Left: 55.449+/-0.007 χ^2/NDF: 2978638.3/47

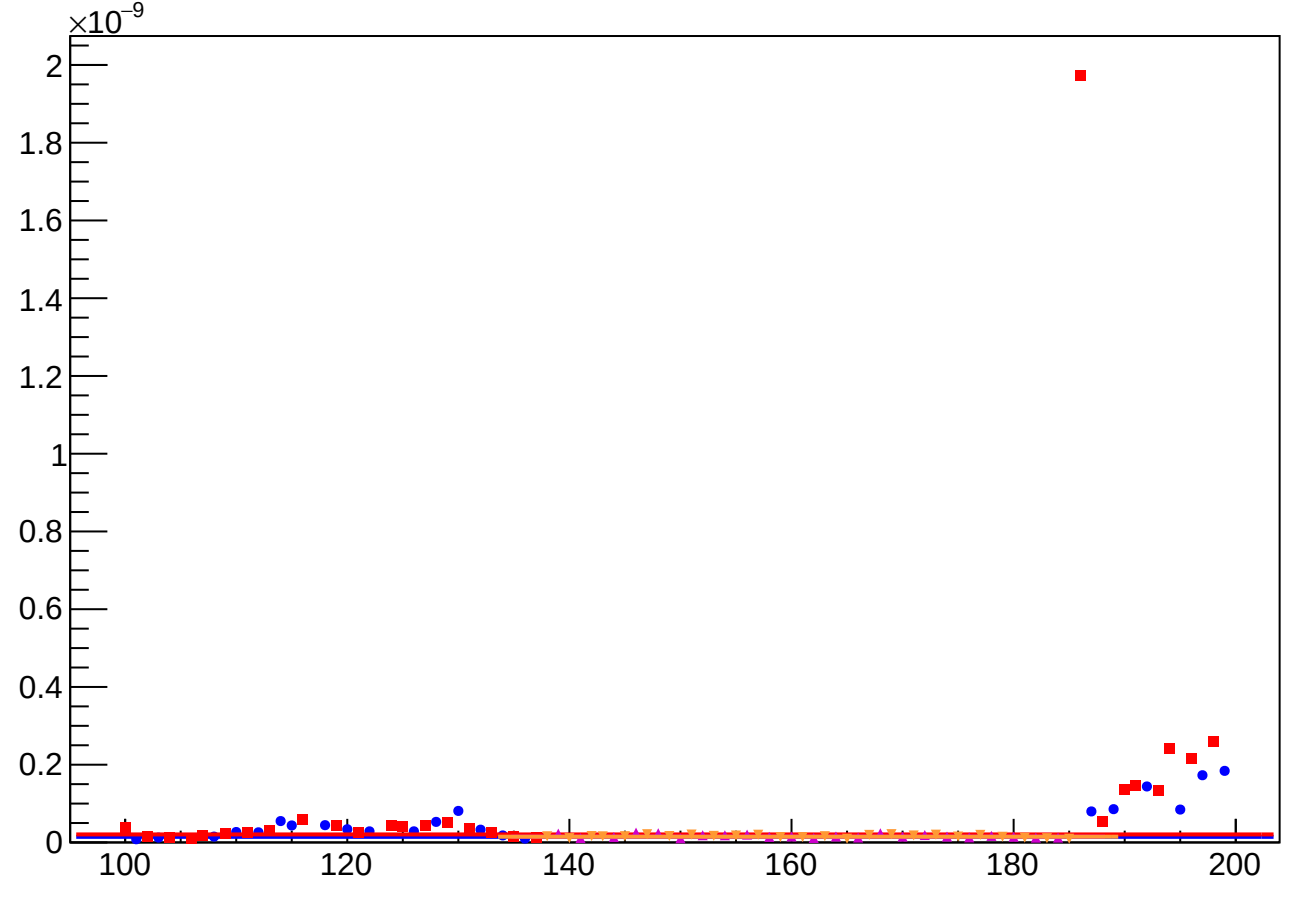
Right: 44.105+/-0.007 χ^2/NDF: 9143860.9/48

In: 51.058+/-0.007 χ^2/NDF:5622152.7/44

Out: 49.591+/-0.007 χ^2/NDF:7816224.4/51

All: 50.289+/-0.005 χ^2/NDF: 13460916.8/96


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: 19.9/21
Left Out: -0.000+/-0.000 χ²/NDF:19.3/24
Right Out: 0.000+/-0.000 χ²/NDF: 20.0/26
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: 41.0/48
In: 0.000+/-0.000 χ²/NDF:43.1/44
Out: -0.000+/-0.000 χ²/NDF:40.7/51
All: 0.000+/-0.000 χ²/NDF: 84.6/96



Right In: 0.000+/-0.000 χ^2/NDF: 6900121.4/21

Left Out: 0.000+/-0.000 χ^2/NDF:1401850.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7356574.7/26

Left In: 0.000+/-0.000 χ^2/NDF:1427121.6/22

Left: 0.000+/-0.000 χ^2/NDF: 2830255.7/47

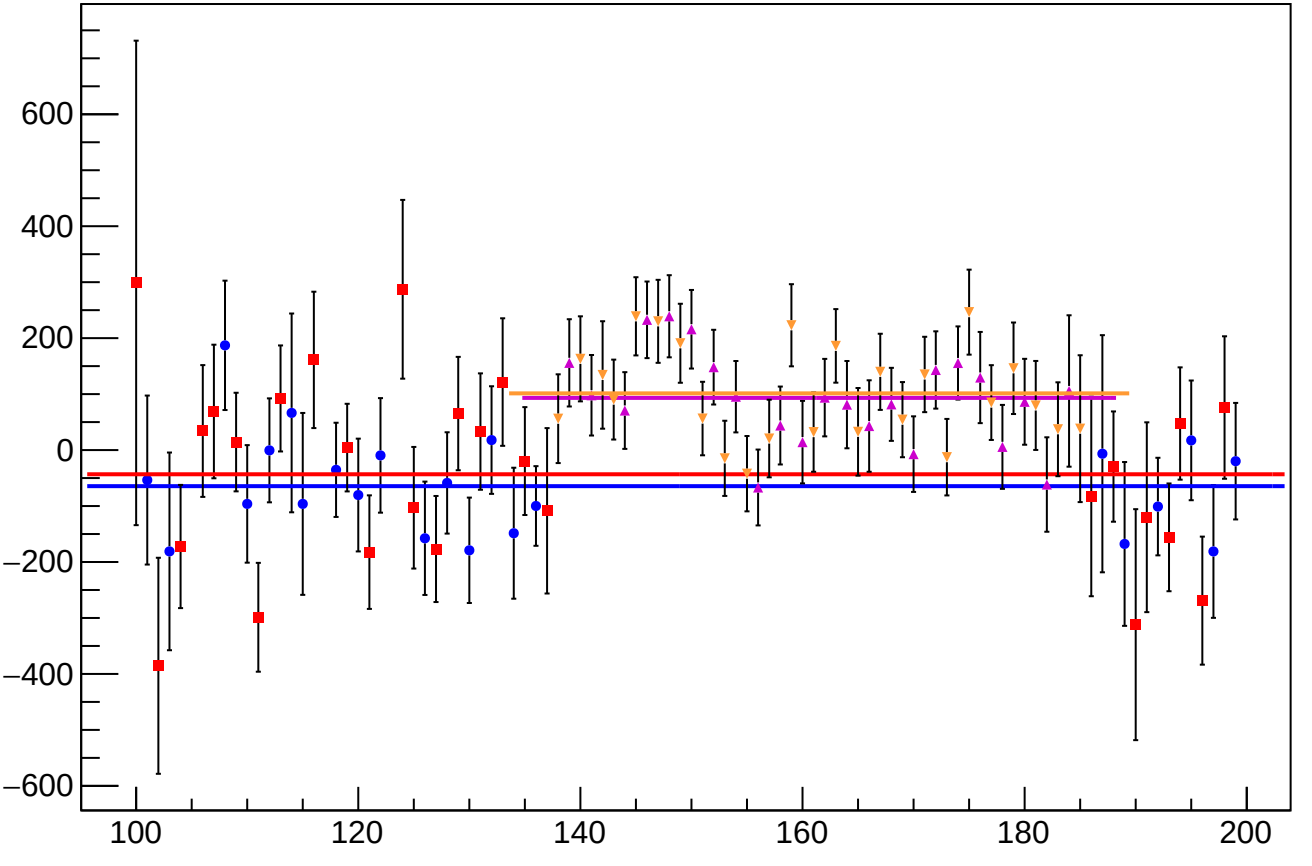
Right: 0.000+/-0.000 χ^2/NDF: 14837662.3/48

In: 0.000+/-0.000 χ^2/NDF:8334398.8/44

Out: 0.000+/-0.000 χ^2/NDF:9463471.4/51

All: 0.000+/-0.000 χ^2/NDF: 17867031.4/96

reg_asym_sam7_mean vs Slug, Sign Corrected



Right In: -64.474+/-22.795 χ^2/NDF: 13.1/21

Left Out: 101.325+/-14.642 χ^2/NDF:33.9/24

Right Out: -43.227+/-21.695 χ^2/NDF: 40.4/26

Left In: 93.236+/-15.137 χ^2/NDF:28.8/22

Left: 97.415+/-10.524 χ^2/NDF: 62.9/47

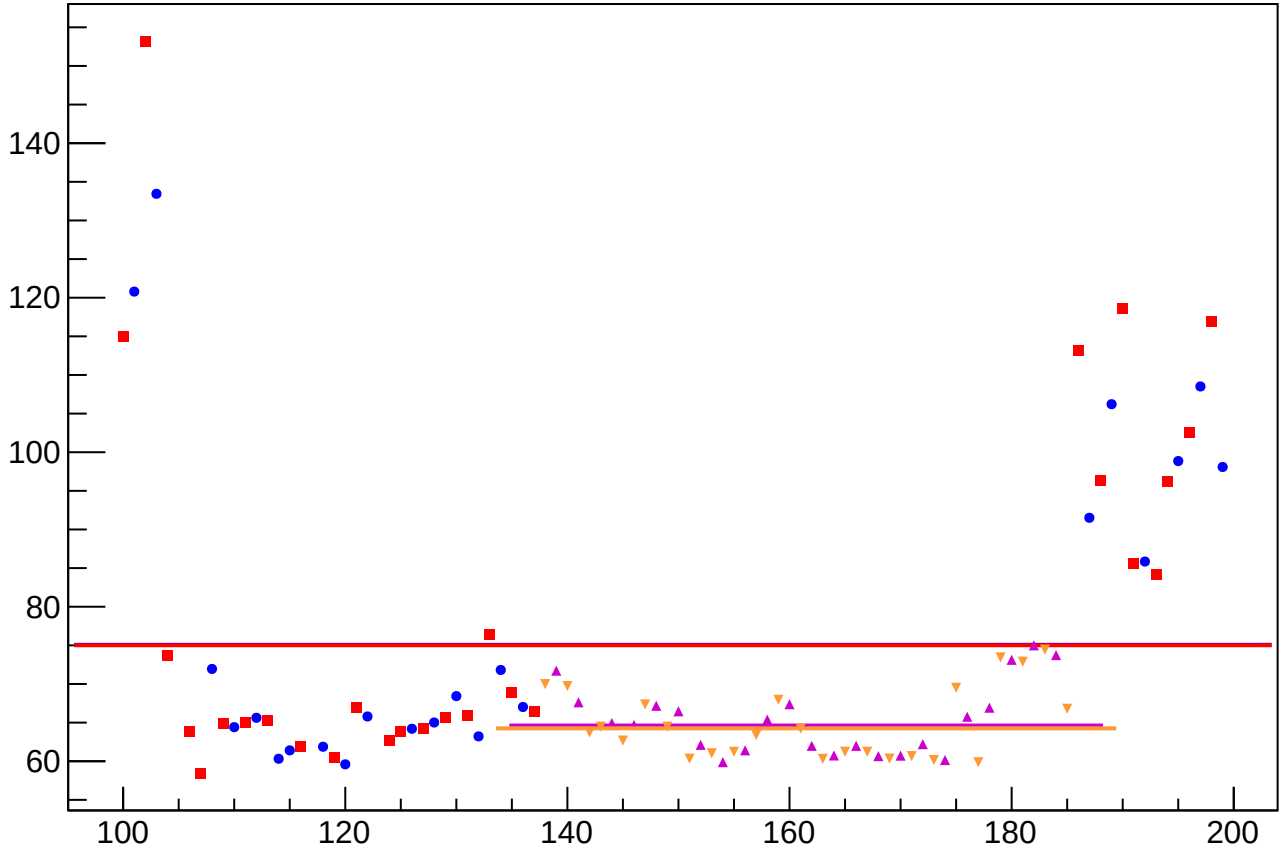
Right: -53.325+/-15.715 χ^2/NDF: 54.0/48

In: 44.977+/-12.610 χ^2/NDF:75.1/44

Out: 56.088+/-12.136 χ^2/NDF:104.8/51

All: 50.745+/-8.744 χ^2/NDF: 180.4/96

reg_asym_sam7_rms vs Slug, Sign Corrected



Right In: 75.068+/-0.016 χ^2/NDF: 1189276.0/21

Left Out: 64.256+/-0.010 χ^2/NDF:177697.9/24

Right Out: 75.015+/-0.015 χ^2/NDF: 1404482.9/26

Left In: 64.621+/-0.011 χ^2/NDF:147201.3/22

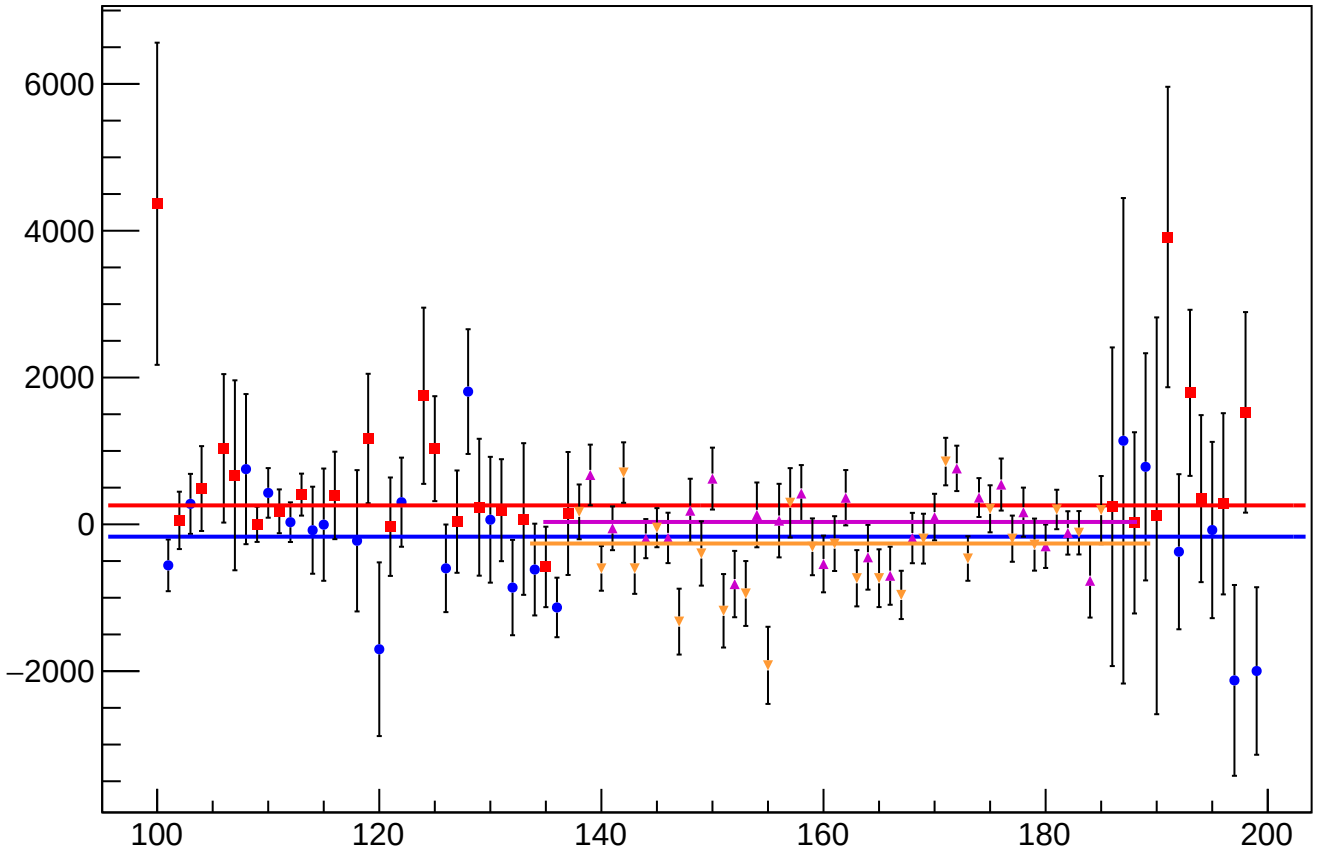
Left: 64.432+/-0.007 χ^2/NDF: 325501.9/47

Right: 75.040+/-0.011 χ^2/NDF: 2593764.6/48

In: 67.818+/-0.009 χ^2/NDF:1627975.2/44

Out: 67.623+/-0.009 χ^2/NDF:1920131.3/51

All: 67.716+/-0.006 χ^2/NDF: 3548355.4/96



Right In: -167.956+/-122.588 χ^2/NDF: 28.0/21

Left Out: -261.124+/-71.268 χ^2/NDF:58.8/24

Right Out: 258.169+/-114.652 χ^2/NDF: 18.6/26

Left In: 32.423+/-73.837 χ^2/NDF:31.7/22

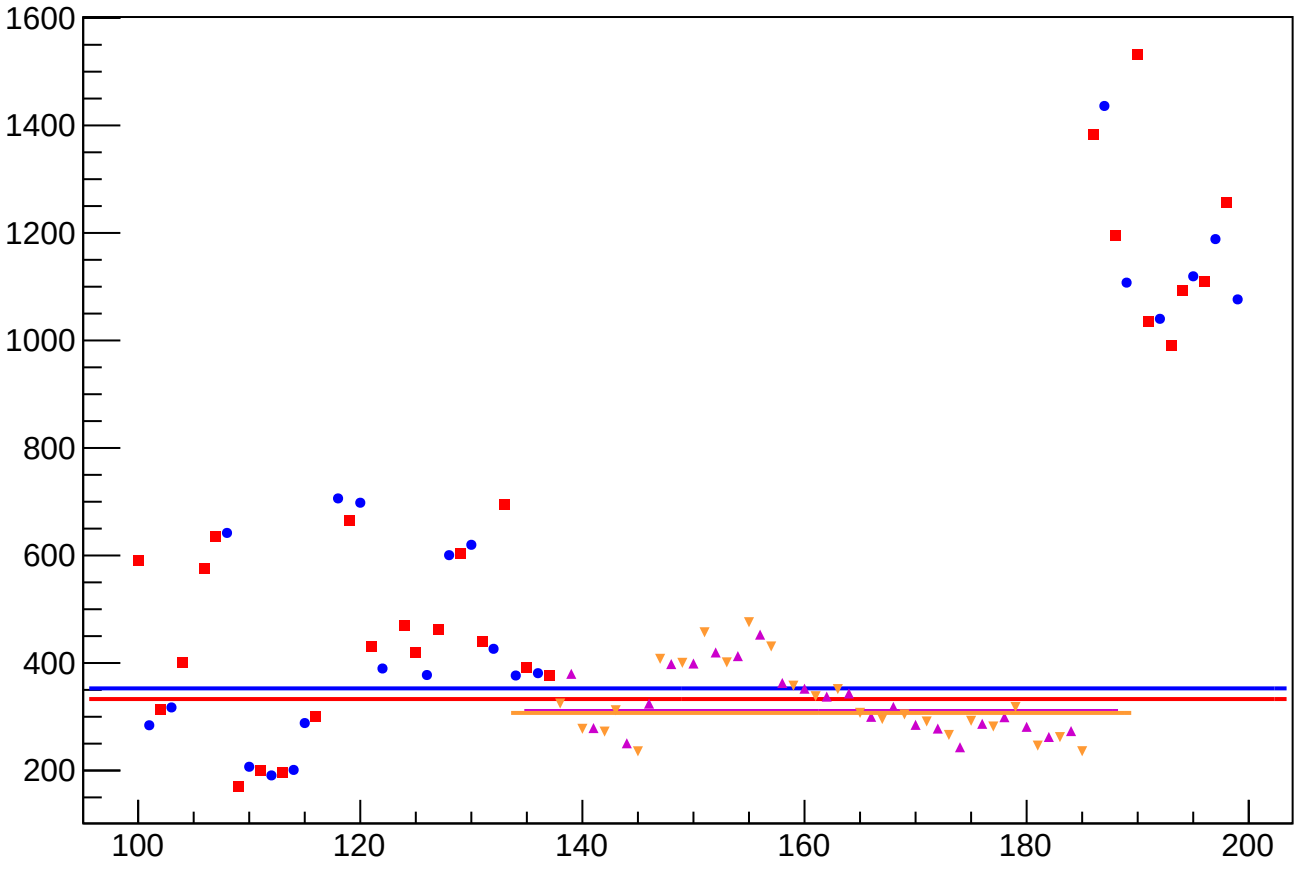
Left: -119.545+/-51.278 χ^2/NDF: 98.7/47

Right: 59.345+/-83.736 χ^2/NDF: 53.0/48

In: -20.920+/-63.250 χ^2/NDF:61.6/44

Out: -116.395+/-60.528 χ^2/NDF:92.2/51

All: -70.756+/-43.730 χ^2/NDF: 155.0/96



Right In: 352.792+/-0.087 χ^2/NDF: 6323429.3/21

Left Out: 307.143+/-0.050 χ^2/NDF:1320151.2/24

Right Out: 332.953+/-0.081 χ^2/NDF: 8350175.2/26

Left In: 310.697+/-0.052 χ^2/NDF:1079476.2/22

Left: 308.857+/-0.036 χ^2/NDF: 2402026.6/47

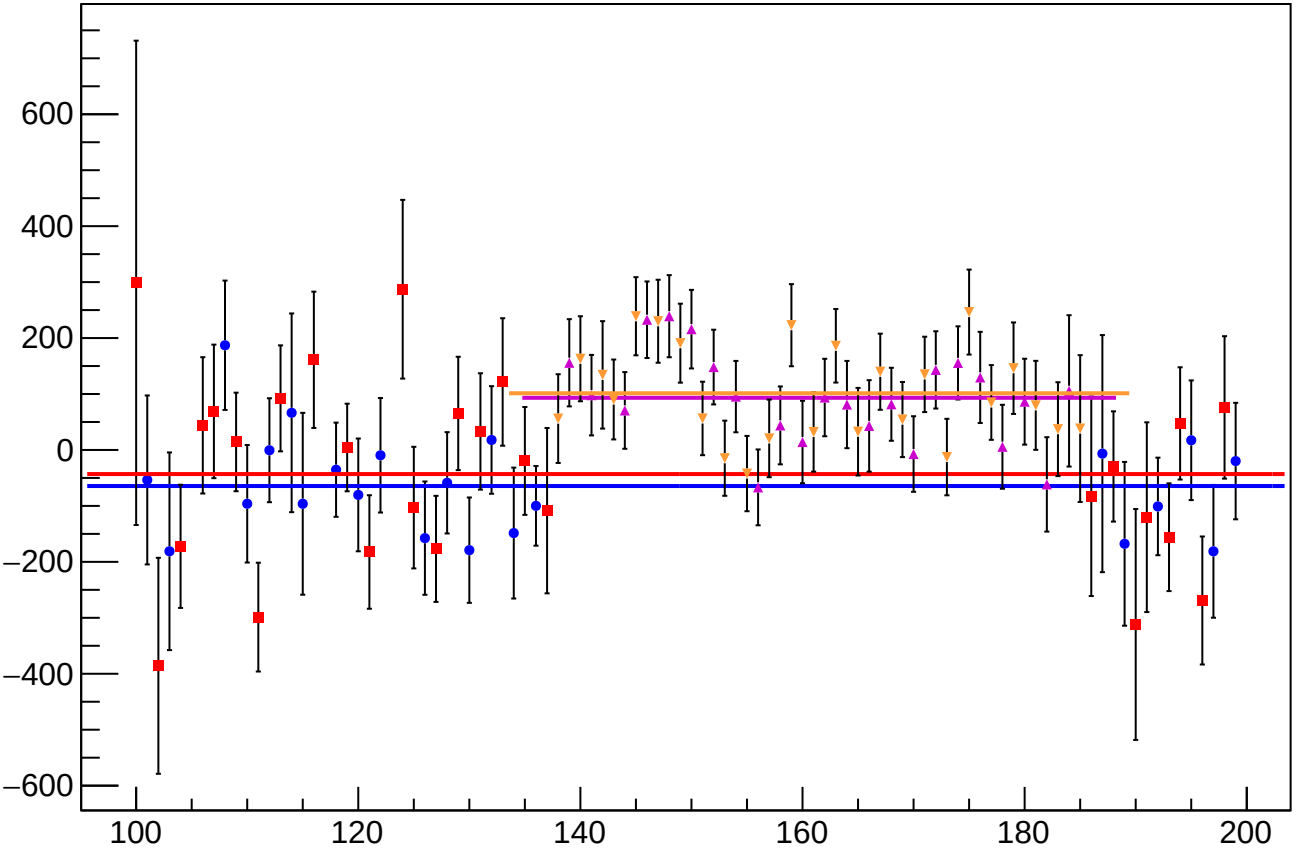
Right: 342.210+/-0.059 χ^2/NDF: 14701545.9/48

In: 321.904+/-0.045 χ^2/NDF:7575952.6/44

Out: 314.337+/-0.043 χ^2/NDF:9743432.6/51

All: 317.954+/-0.031 χ^2/NDF: 17334327.5/96

cor_asym_sam7_mean vs Slug, Sign Corrected



Right In: -64.475+/-22.795 χ^2/NDF: 13.1/21

Left Out: 101.325+/-14.642 χ^2/NDF:33.9/24

Right Out: -43.086+/-21.719 χ^2/NDF: 40.5/26

Left In: 93.235+/-15.137 χ^2/NDF:28.8/22

Left: 97.414+/-10.524 χ^2/NDF: 62.9/47

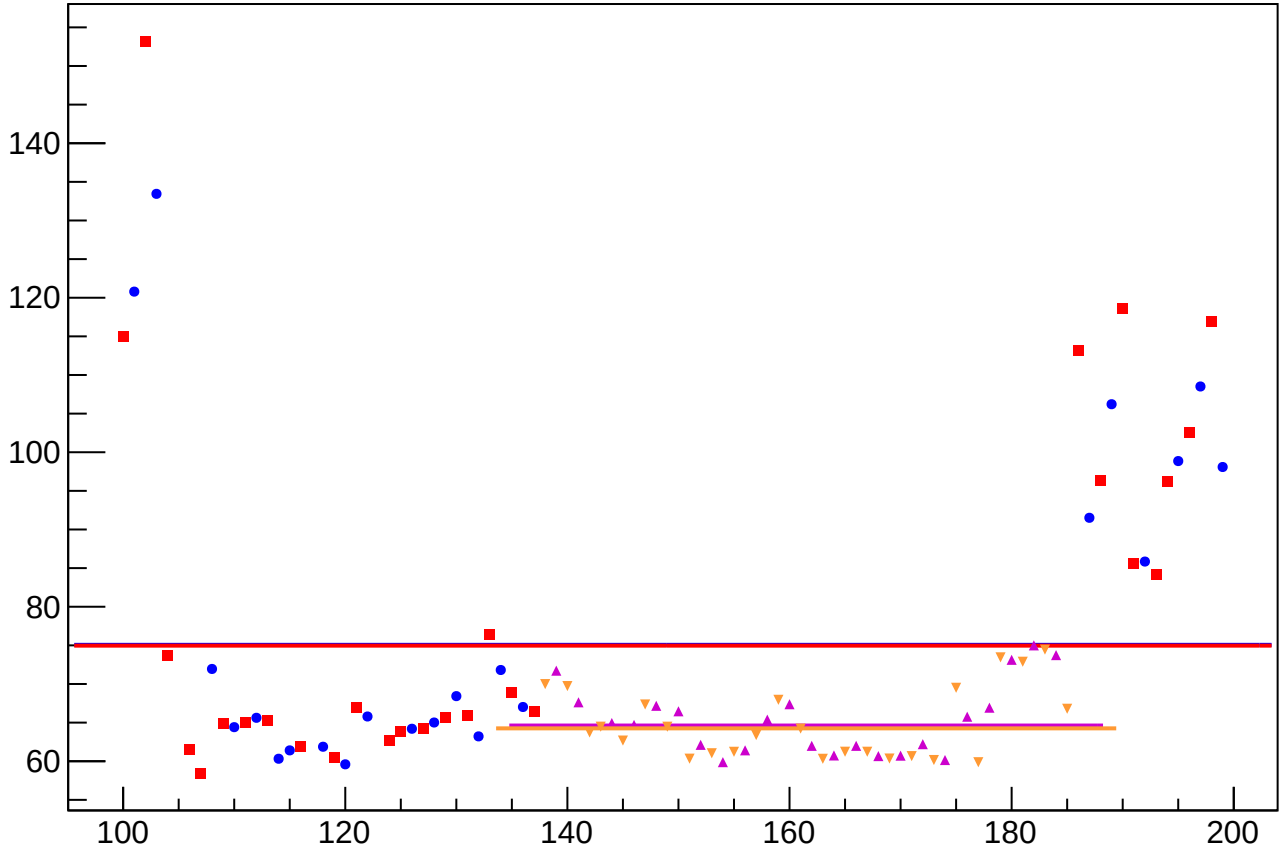
Right: -53.264+/-15.724 χ^2/NDF: 54.1/48

In: 44.976+/-12.610 χ^2/NDF:75.1/44

Out: 56.201+/-12.141 χ^2/NDF:104.8/51

All: 50.801+/-8.746 χ^2/NDF: 180.3/96

cor_asym_sam7_rms vs Slug, Sign Corrected



Right In: 75.068+/-0.016 χ^2/NDF: 1189276.4/21

Left Out: 64.256+/-0.010 χ^2/NDF:177697.9/24

Right Out: 74.964+/-0.015 χ^2/NDF: 1411145.6/26

Left In: 64.621+/-0.011 χ^2/NDF:147201.3/22

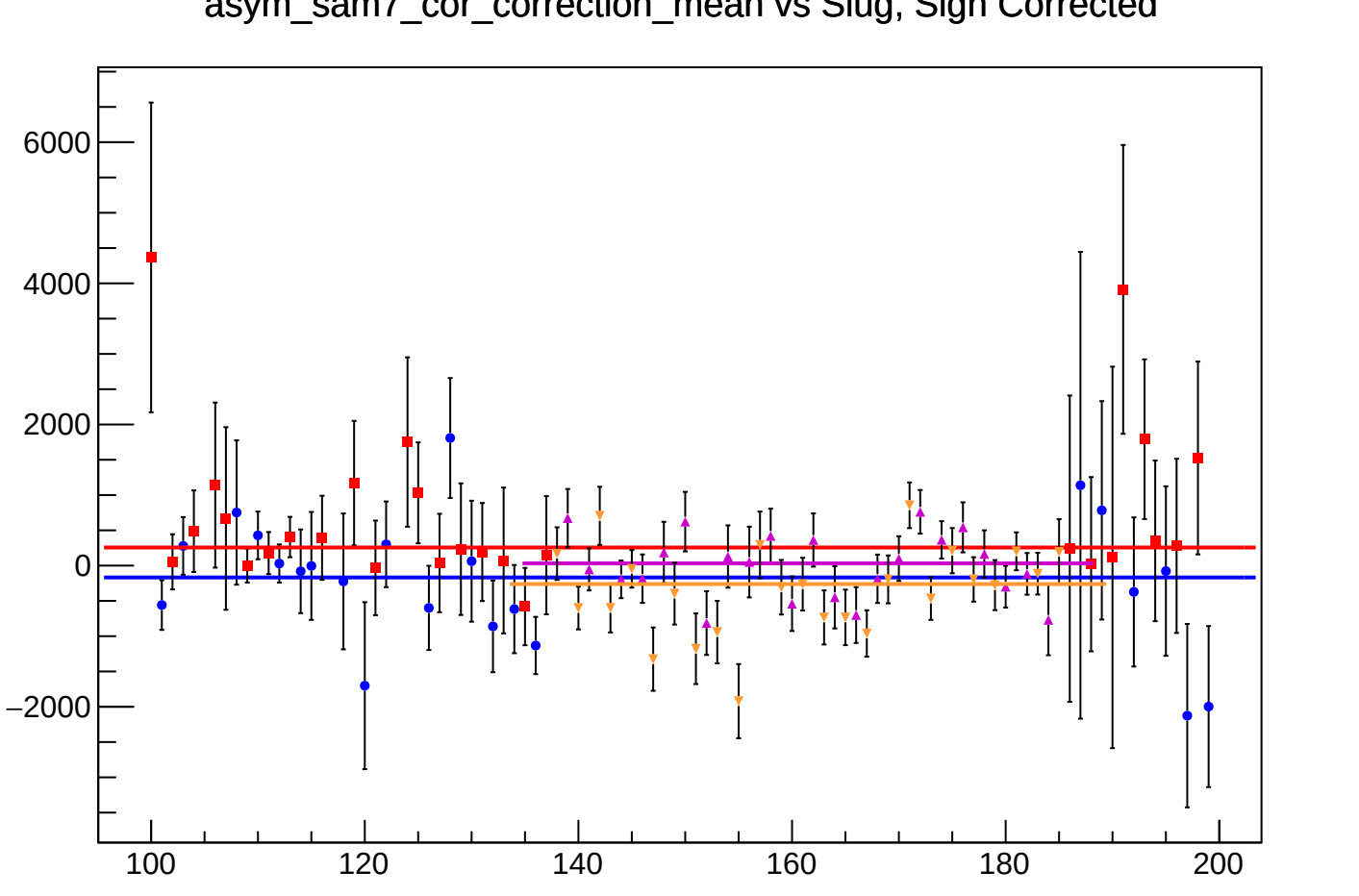
Left: 64.432+/-0.007 χ^2/NDF: 325501.9/47

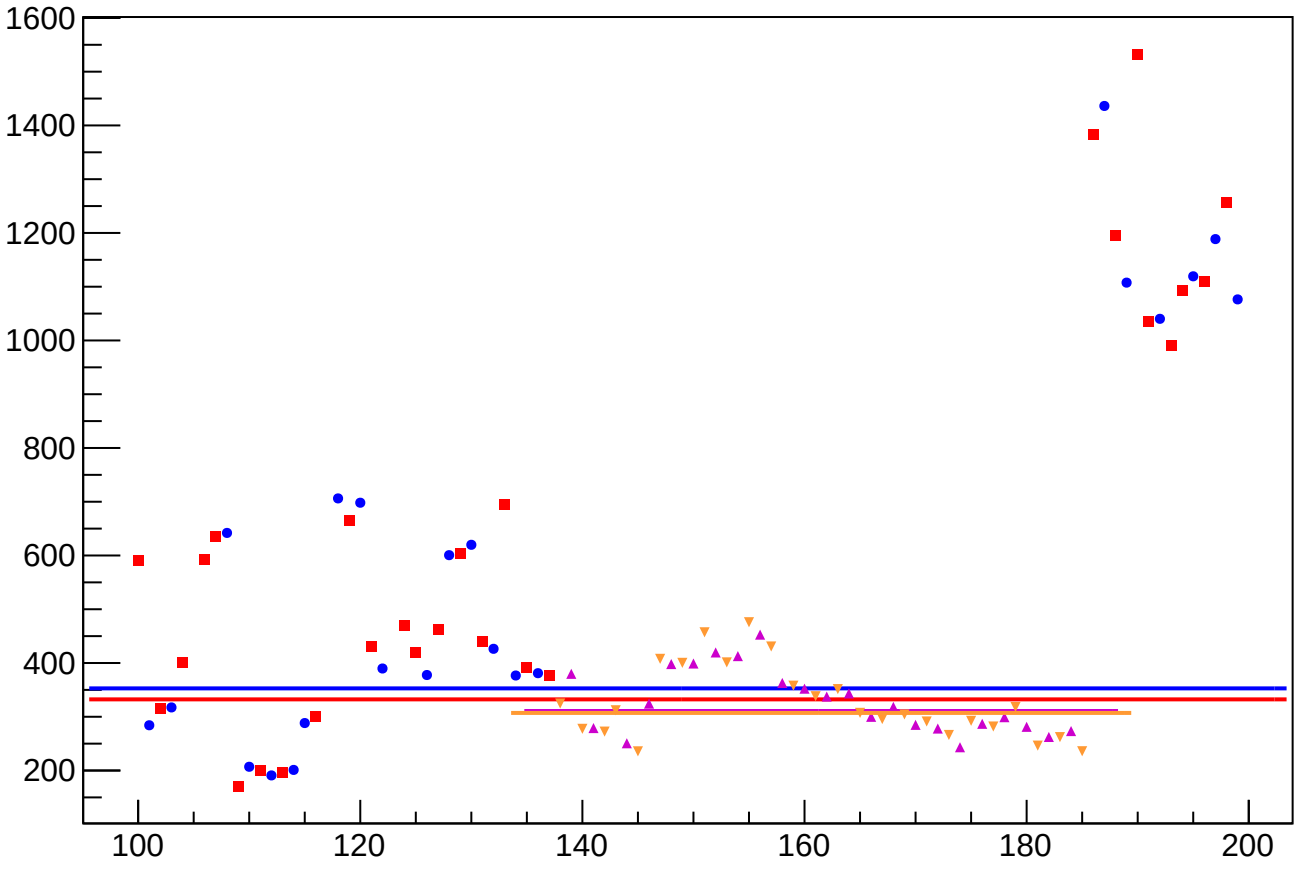
Right: 75.013+/-0.011 χ^2/NDF: 2600443.5/48

In: 67.818+/-0.009 χ^2/NDF:1627975.5/44

Out: 67.602+/-0.009 χ^2/NDF:1923131.0/51

All: 67.706+/-0.006 χ^2/NDF: 3551411.4/96


asym_sam7_cor_correction_mean vs Slug, Sign Corrected
6000
4000
2000
0
−2000
100
120
140
160
180
200
Right In: -167.954+/-122.589 χ²/NDF: 28.0/21
Left Out: -261.124+/-71.268 χ²/NDF:58.8/24
Right Out: 256.672+/-114.843 χ²/NDF: 18.6/26
Left In: 32.420+/-73.837 χ²/NDF:31.7/22
Left: -119.547+/-51.278 χ²/NDF: 98.7/47
Right: 58.198+/-83.811 χ²/NDF: 52.9/48
In: -20.921+/-63.250 χ²/NDF:61.6/44
Out: -117.159+/-60.556 χ²/NDF:92.0/51
All: -71.133+/-43.741 χ²/NDF: 154.9/96



Right In: 352.795+/-0.087 χ^2/NDF: 6323408.1/21

Left Out: 307.143+/-0.050 χ^2/NDF:1320147.4/24

Right Out: 332.352+/-0.081 χ^2/NDF: 8334253.2/26

Left In: 310.698+/-0.052 χ^2/NDF:1079479.8/22

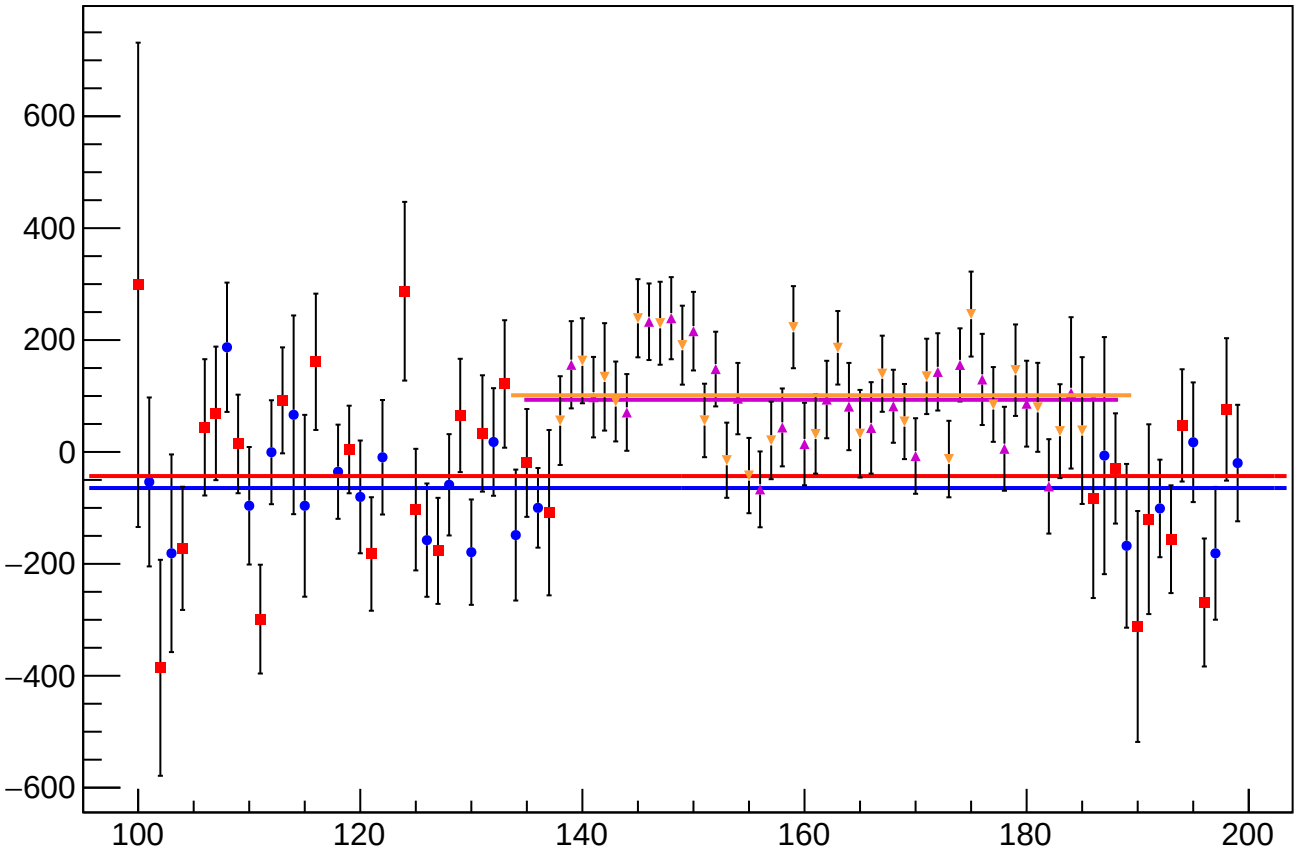
Left: 308.857+/-0.036 χ^2/NDF: 2402026.6/47

Right: 341.907+/-0.059 χ^2/NDF: 14687281.7/48

In: 321.904+/-0.045 χ^2/NDF:7575951.6/44

Out: 314.152+/-0.043 χ^2/NDF:9723975.3/51

All: 317.860+/-0.031 χ^2/NDF: 17315601.9/96



Right In: -64.475+/-22.795 χ^2/NDF: 13.1/21

Left Out: 101.325+/-14.642 χ^2/NDF:33.9/24

Right Out: -43.086+/-21.719 χ^2/NDF: 40.5/26

Left In: 93.235+/-15.137 χ^2/NDF:28.8/22

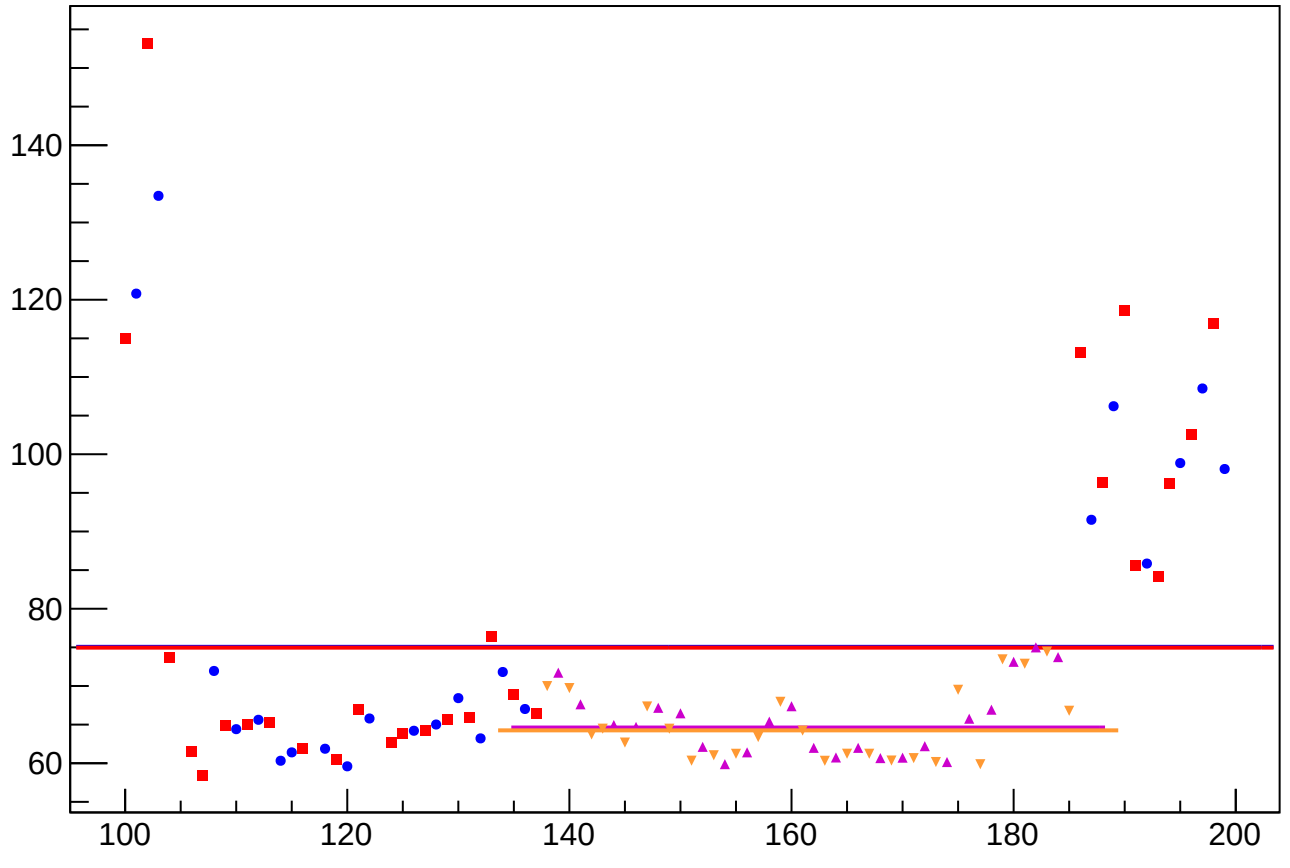
Left: 97.414+/-10.524 χ^2/NDF: 62.9/47

Right: -53.264+/-15.724 χ^2/NDF: 54.1/48

In: 44.976+/-12.610 χ^2/NDF:75.1/44

Out: 56.201+/-12.141 χ^2/NDF:104.8/51

All: 50.801+/-8.746 χ^2/NDF: 180.3/96



Right In: 75.068+/-0.016 χ^2/NDF: 1189276.4/21

Left Out: 64.256+/-0.010 χ^2/NDF:177697.9/24

Right Out: 74.964+/-0.015 χ^2/NDF: 1411145.6/26

Left In: 64.621+/-0.011 χ^2/NDF:147201.3/22

Left: 64.432+/-0.007 χ^2/NDF: 325501.9/47

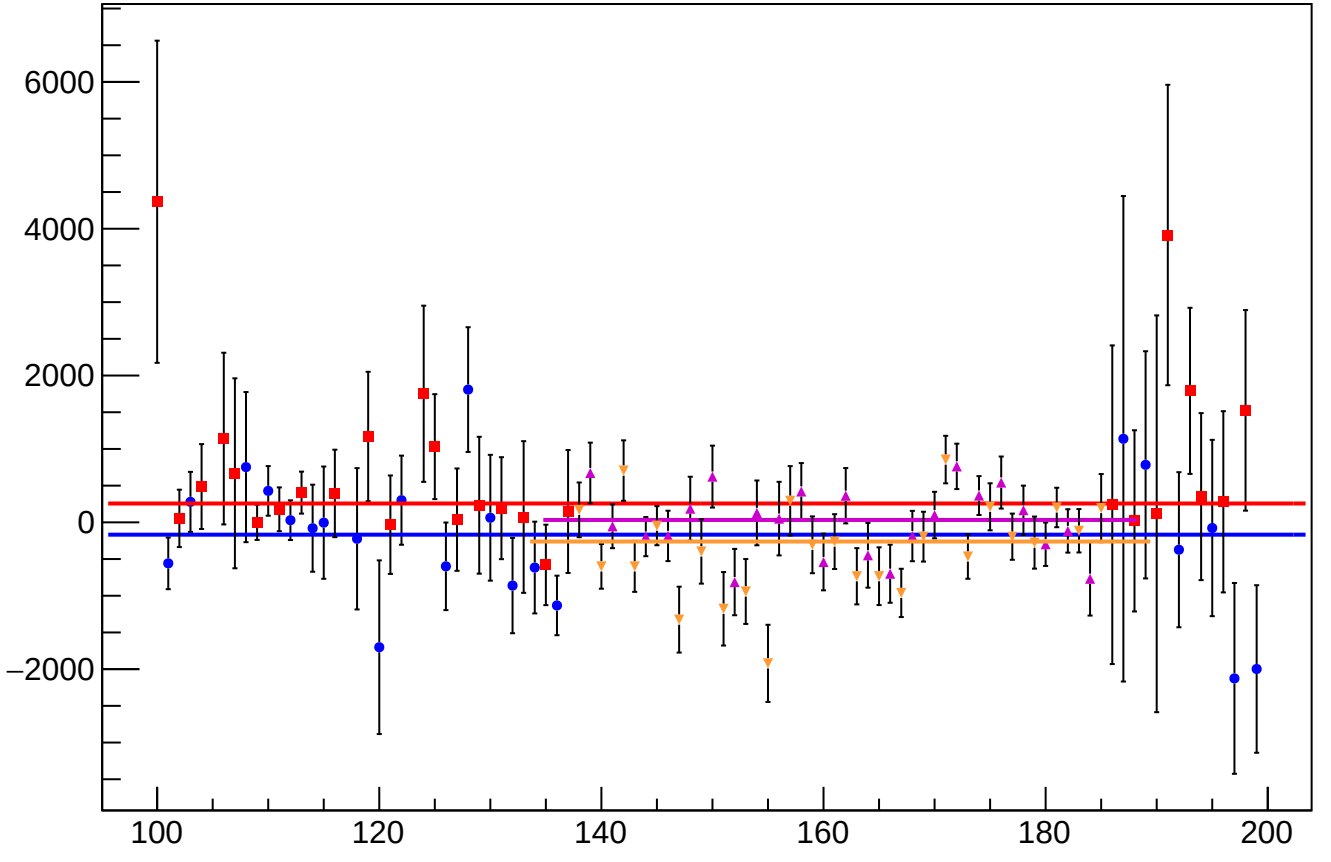
Right: 75.013+/-0.011 χ^2/NDF: 2600443.5/48

In: 67.818+/-0.009 χ^2/NDF:1627975.5/44

Out: 67.602+/-0.009 χ^2/NDF:1923131.0/51

All: 67.706+/-0.006 χ^2/NDF: 3551411.4/96

asym_sam7_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -167.954+/-122.589 χ^2/NDF: 28.0/21

Left Out: -261.124+/-71.268 χ^2/NDF:58.8/24

Right Out: 256.672+/-114.843 χ^2/NDF: 18.6/26

Left In: 32.420+/-73.837 χ^2/NDF:31.7/22

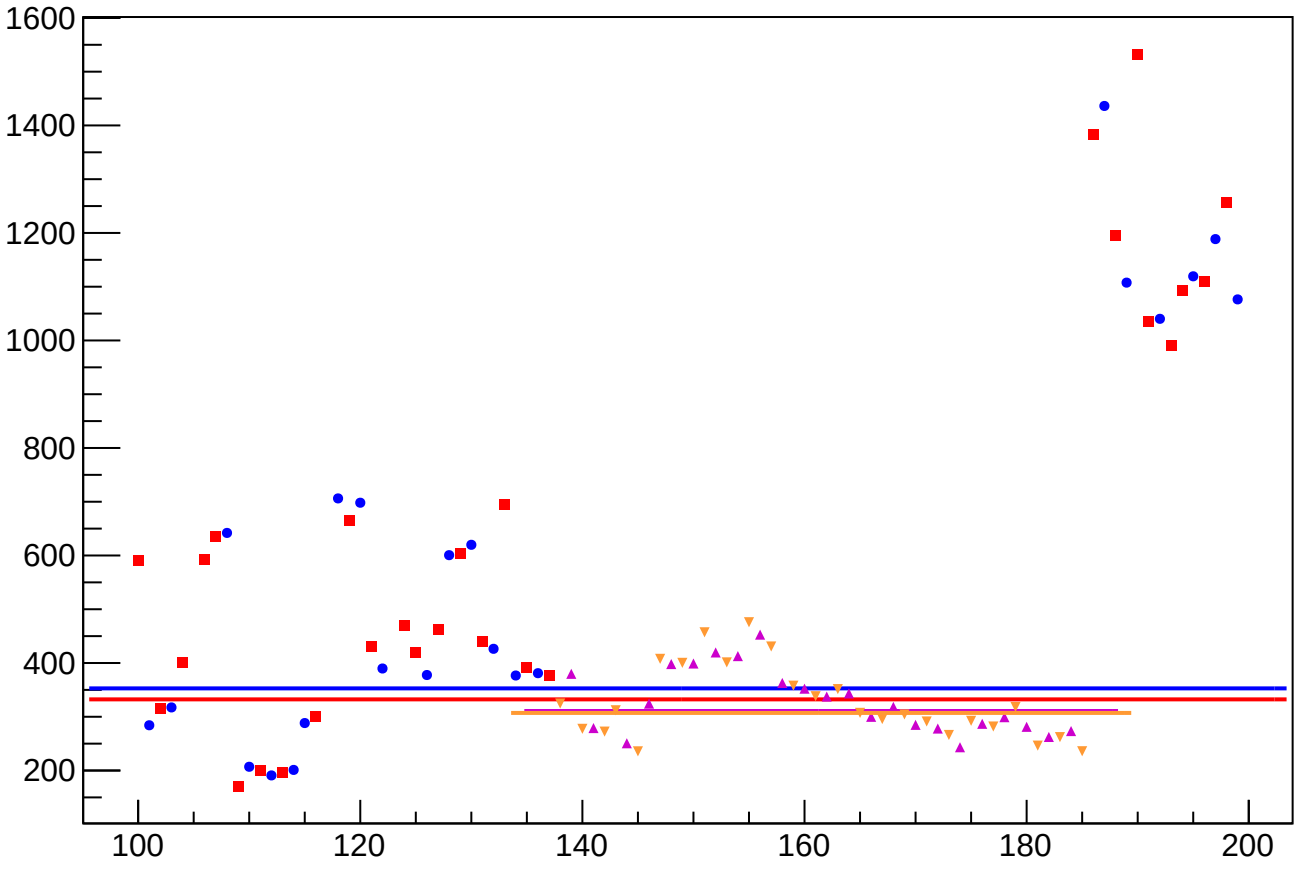
Left: -119.547+/-51.278 χ^2/NDF: 98.7/47

Right: 58.198+/-83.811 χ^2/NDF: 52.9/48

In: -20.921+/-63.250 χ^2/NDF:61.6/44

Out: -117.159+/-60.556 χ^2/NDF:92.0/51

All: -71.133+/-43.741 χ^2/NDF: 154.9/96



Right In: 352.795+/-0.087 χ^2/NDF: 6323408.1/21

Left Out: 307.143+/-0.050 χ^2/NDF:1320147.4/24

Right Out: 332.352+/-0.081 χ^2/NDF: 8334253.2/26

Left In: 310.698+/-0.052 χ^2/NDF:1079479.8/22

Left: 308.857+/-0.036 χ^2/NDF: 2402026.6/47

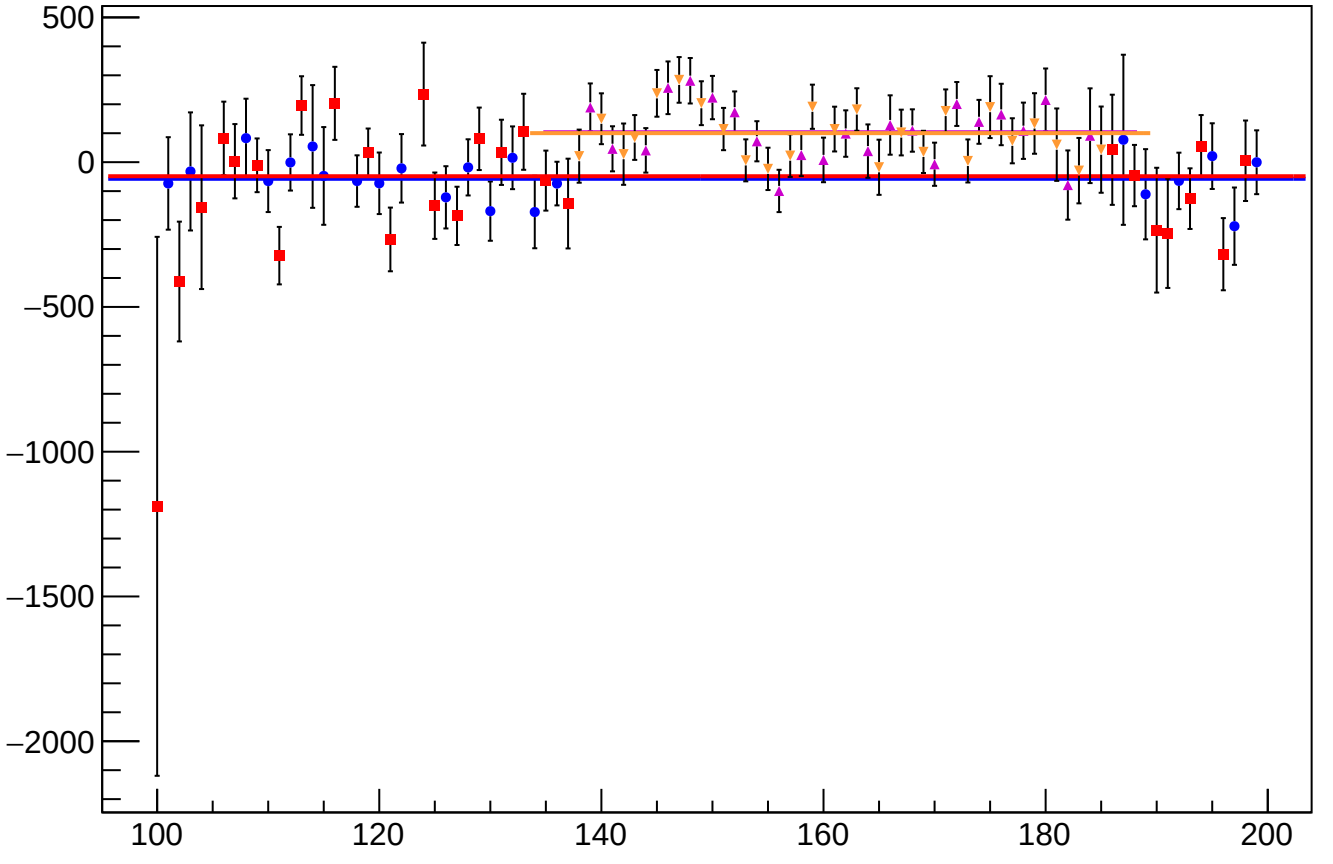
Right: 341.907+/-0.059 χ^2/NDF: 14687281.7/48

In: 321.904+/-0.045 χ^2/NDF:7575951.6/44

Out: 314.152+/-0.043 χ^2/NDF:9723975.3/51

All: 317.860+/-0.031 χ^2/NDF: 17315601.9/96

dit_asym_sam7_mean vs Slug, Sign Corrected



Right In: -57.384+/-24.682 χ^2/NDF: 7.5/21

Left Out: 100.277+/-16.625 χ^2/NDF:27.7/24

Right Out: -48.579+/-23.617 χ^2/NDF: 45.8/26

Left In: 103.363+/-17.260 χ^2/NDF:32.7/22

Left: 101.762+/-11.974 χ^2/NDF: 60.4/47

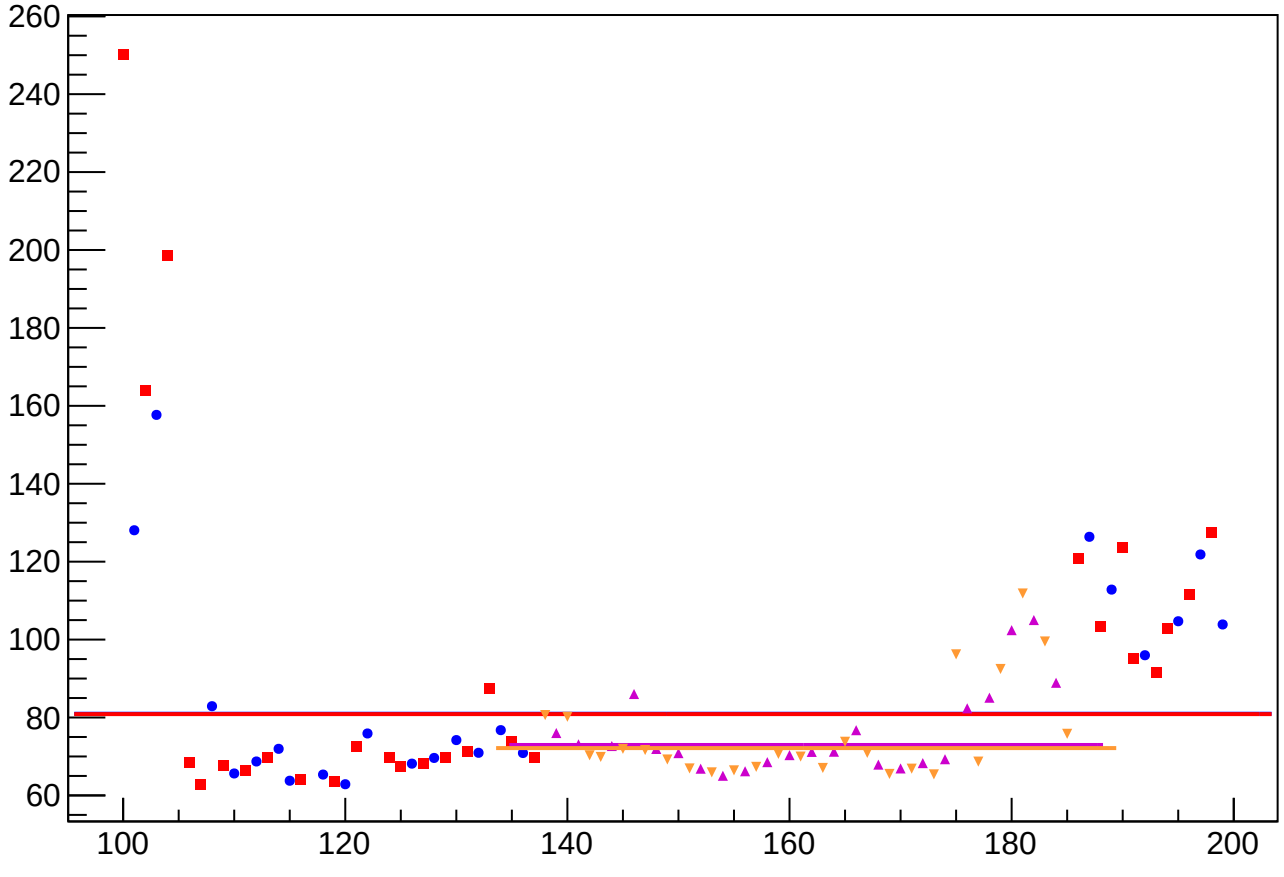
Right: -52.788+/-17.064 χ^2/NDF: 53.3/48

In: 50.569+/-14.145 χ^2/NDF:68.7/44

Out: 50.953+/-13.595 χ^2/NDF:100.1/51

All: 50.768+/-9.802 χ^2/NDF: 168.7/96

dit_asym_sam7_rms vs Slug, Sign Corrected



Right In: 80.965+/-0.017 χ^2/NDF: 1337639.9/21

Left Out: 72.150+/-0.012 χ^2/NDF:641970.1/24

Right Out: 80.871+/-0.017 χ^2/NDF: 1885910.5/26

Left In: 72.948+/-0.012 χ^2/NDF:509028.0/22

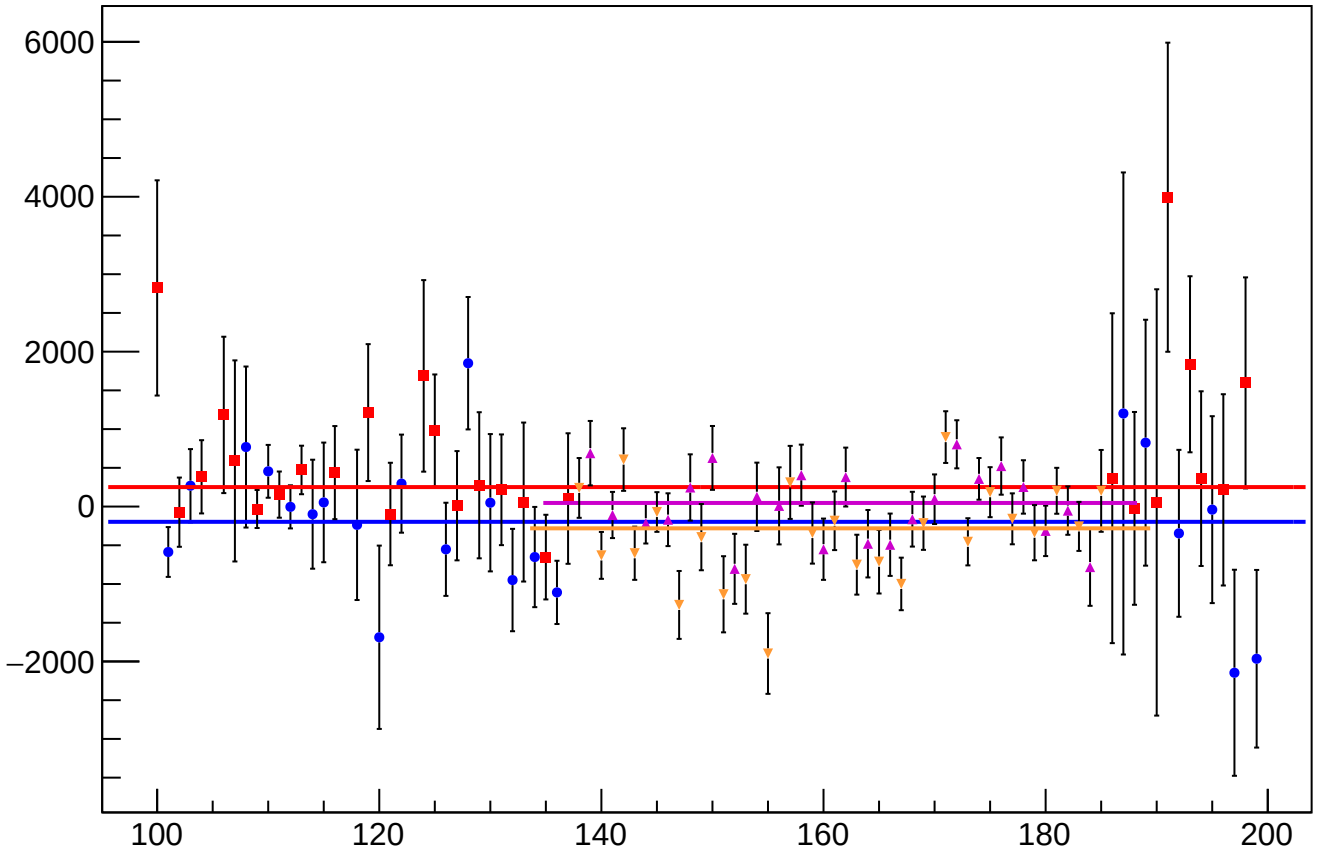
Left: 72.534+/-0.008 χ^2/NDF: 1153218.8/47

Right: 80.916+/-0.012 χ^2/NDF: 3223565.7/48

In: 75.581+/-0.010 χ^2/NDF:1988368.1/44

Out: 75.039+/-0.010 χ^2/NDF:2710243.4/51

All: 75.300+/-0.007 χ^2/NDF: 4700136.6/96



Right In: -197.106+/-125.006 χ^2/NDF: 27.9/21

Left Out: -281.205+/-72.538 χ^2/NDF:56.8/24

Right Out: 251.407+/-116.795 χ^2/NDF: 20.2/26

Left In: 46.569+/-74.897 χ^2/NDF:30.7/22

Left: -122.562+/-52.106 χ^2/NDF: 97.4/47

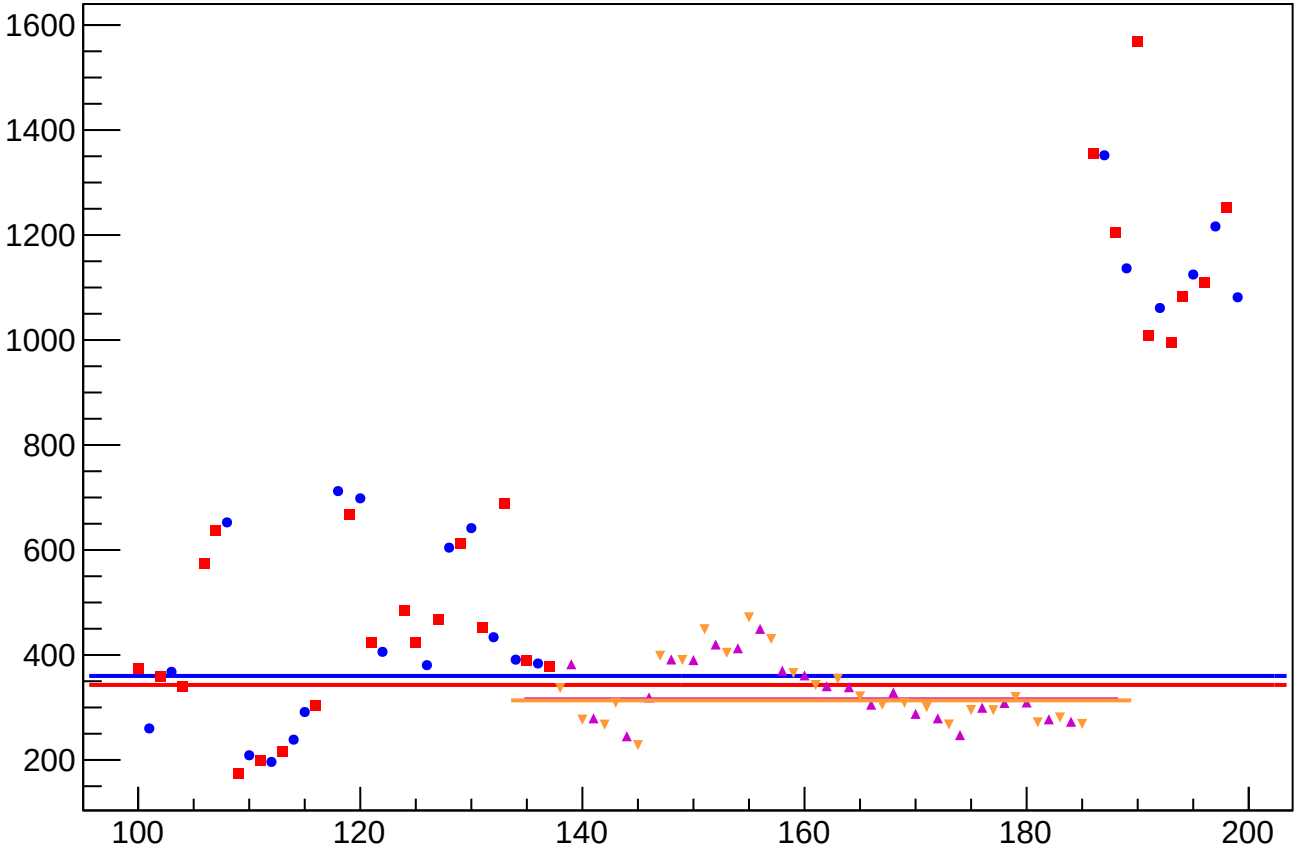
Right: 42.364+/-85.342 χ^2/NDF: 55.0/48

In: -17.799+/-64.248 χ^2/NDF:61.4/44

Out: -132.949+/-61.621 χ^2/NDF:92.1/51

All: -77.776+/-44.472 χ^2/NDF: 155.1/96

asym_sam7_dit_correction_rms vs Slug, Sign Corrected



Right In: 360.088+/-0.088 χ^2/NDF: 6305330.4/21

Left Out: 313.500+/-0.051 χ^2/NDF:1175529.4/24

Right Out: 342.898+/-0.083 χ^2/NDF: 8048373.4/26

Left In: 315.455+/-0.053 χ^2/NDF:1008523.1/22

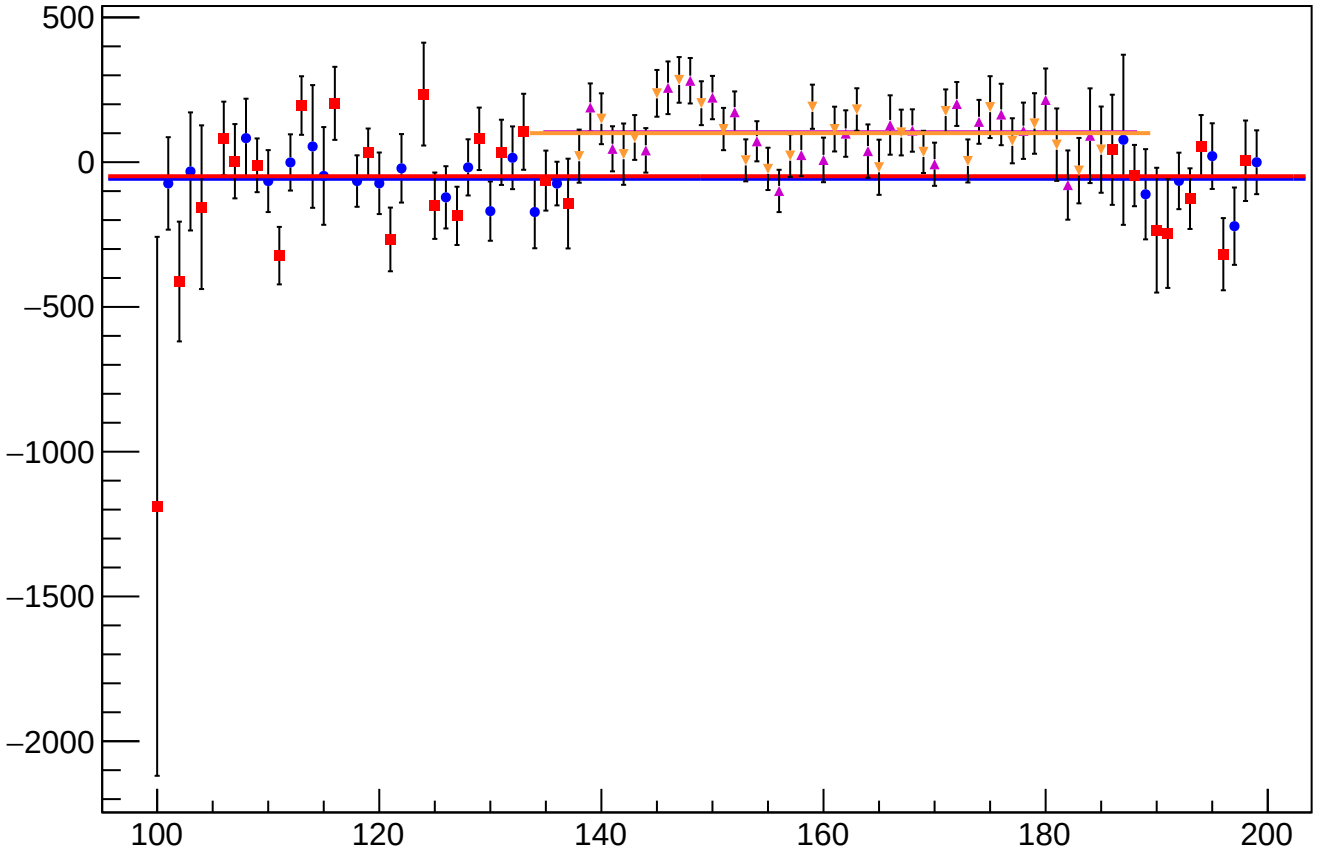
Left: 314.446+/-0.037 χ^2/NDF: 2184755.7/47

Right: 350.910+/-0.060 χ^2/NDF: 14373896.0/48

In: 327.245+/-0.045 χ^2/NDF:7501463.9/44

Out: 321.683+/-0.044 χ^2/NDF:9315342.4/51

All: 324.348+/-0.031 χ^2/NDF: 16824613.0/96



Right In: -57.384+/-24.682 χ^2/NDF: 7.5/21

Left Out: 100.276+/-16.625 χ^2/NDF:27.7/24

Right Out: -48.580+/-23.617 χ^2/NDF: 45.8/26

Left In: 103.363+/-17.260 χ^2/NDF:32.7/22

Left: 101.762+/-11.974 χ^2/NDF: 60.4/47

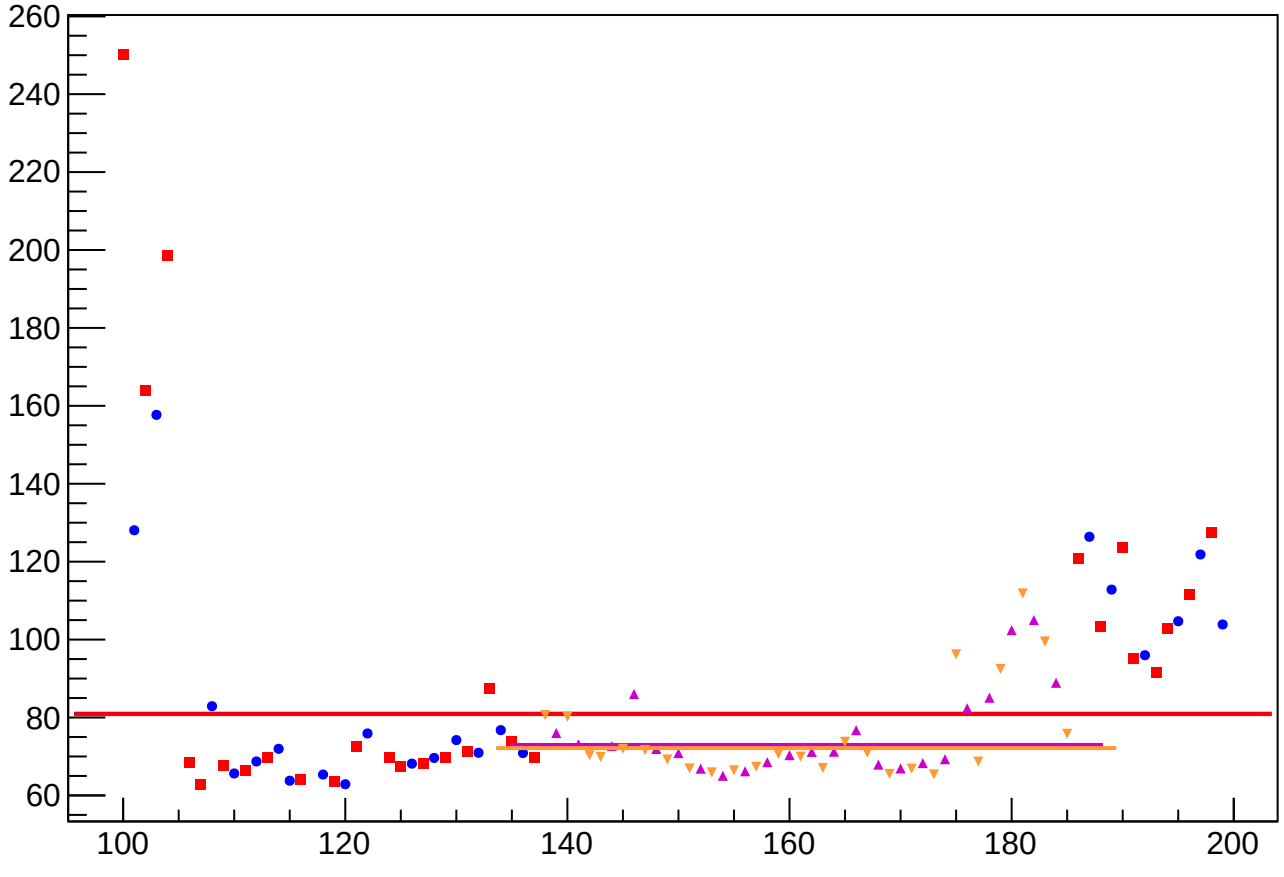
Right: -52.788+/-17.064 χ^2/NDF: 53.3/48

In: 50.569+/-14.145 χ^2/NDF:68.7/44

Out: 50.952+/-13.595 χ^2/NDF:100.0/51

All: 50.768+/-9.802 χ^2/NDF: 168.7/96

eigen_dit_asym_sam7_rms vs Slug, Sign Corrected



Right In: 80.965+/-0.017 χ^2/NDF: 1337646.7/21

Left Out: 72.150+/-0.012 χ^2/NDF:641967.4/24

Right Out: 80.871+/-0.017 χ^2/NDF: 1885908.4/26

Left In: 72.948+/-0.012 χ^2/NDF:509028.7/22

Left: 72.534+/-0.008 χ^2/NDF: 1153216.9/47

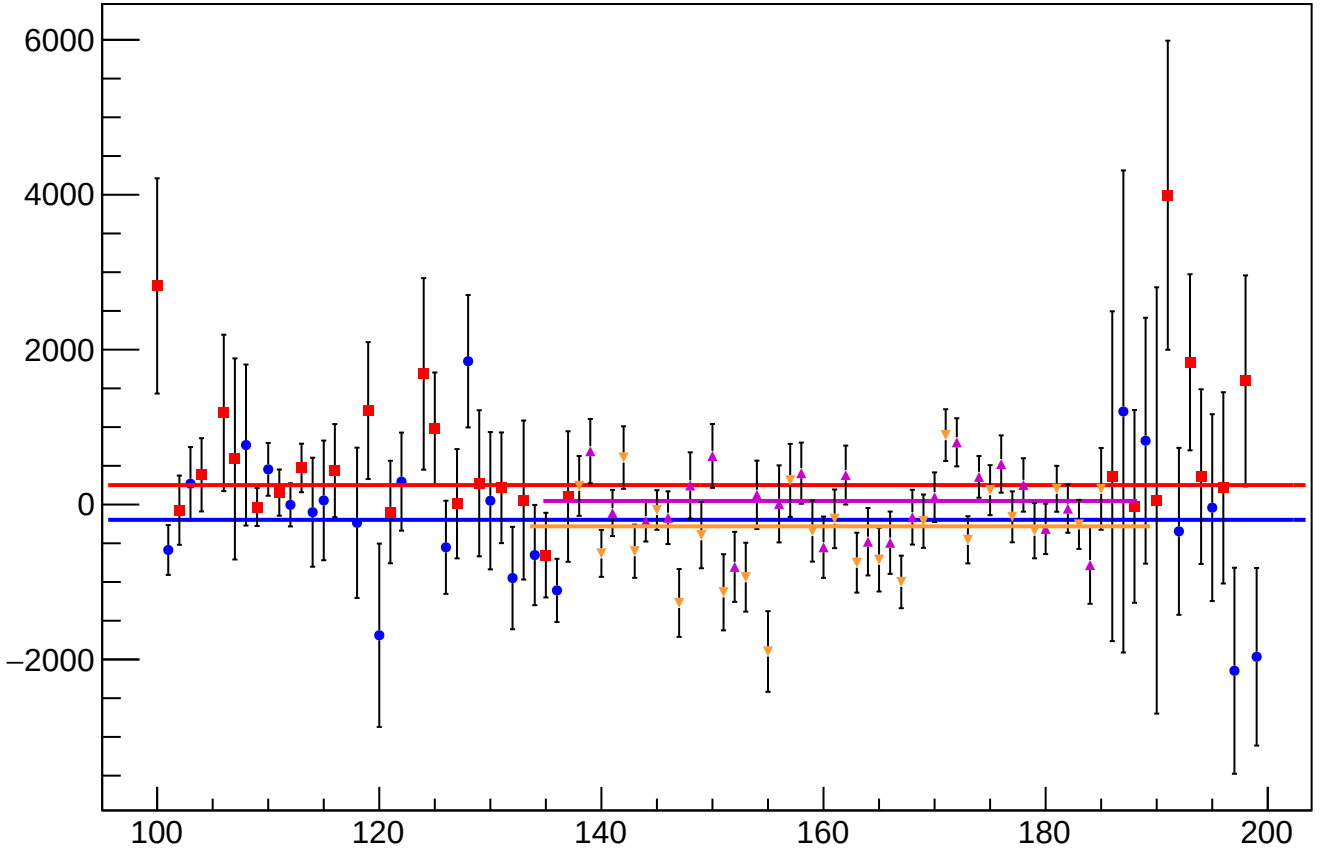
Right: 80.916+/-0.012 χ^2/NDF: 3223570.3/48

In: 75.581+/-0.010 χ^2/NDF:1988370.3/44

Out: 75.039+/-0.010 χ^2/NDF:2710233.1/51

All: 75.300+/-0.007 χ^2/NDF: 4700128.6/96

asym_sam7_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -197.104+/-125.005 χ^2/NDF: 27.9/21

Left Out: -281.205+/-72.538 χ^2/NDF:56.8/24

Right Out: 251.405+/-116.794 χ^2/NDF: 20.2/26

Left In: 46.569+/-74.897 χ^2/NDF:30.7/22

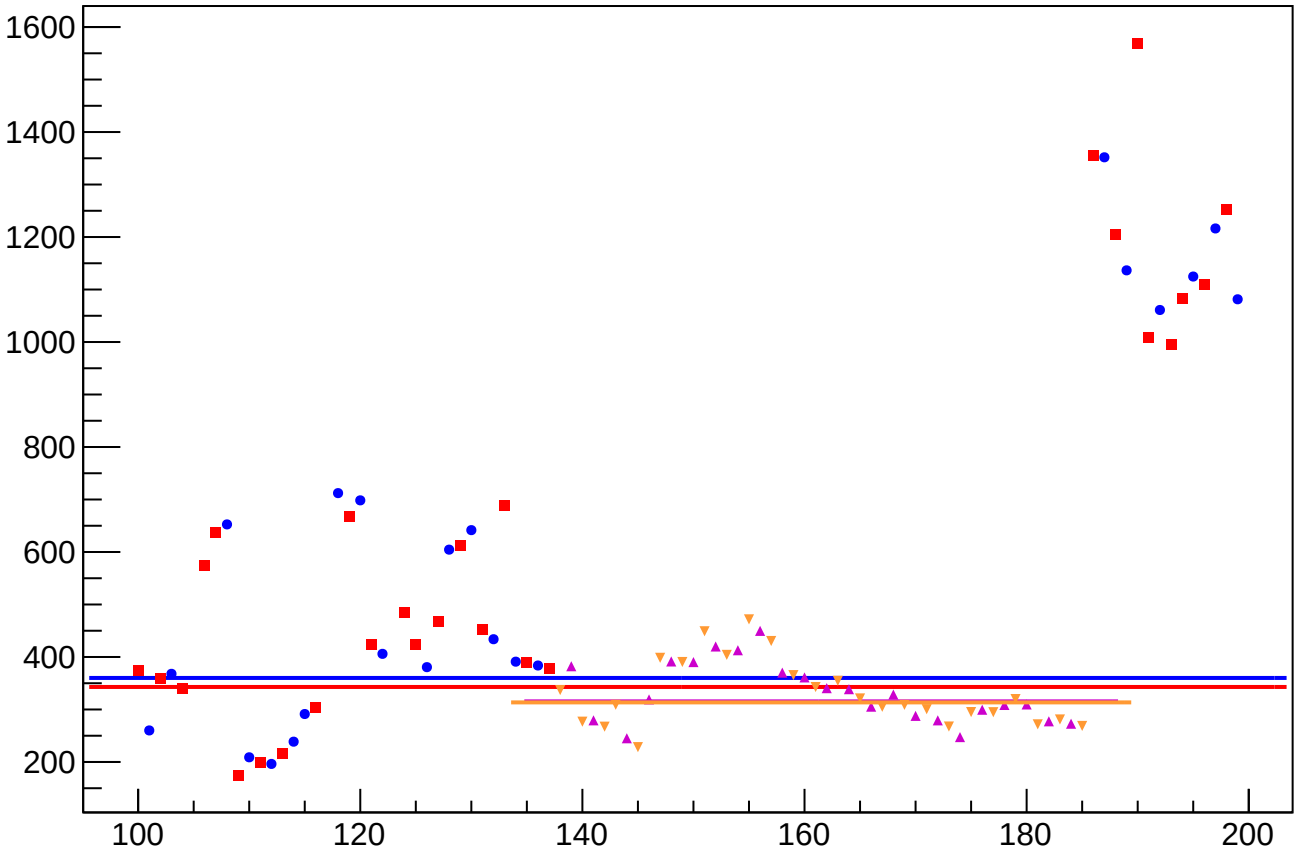
Left: -122.562+/-52.106 χ^2/NDF: 97.4/47

Right: 42.363+/-85.341 χ^2/NDF: 55.0/48

In: -17.799+/-64.248 χ^2/NDF:61.4/44

Out: -132.948+/-61.620 χ^2/NDF:92.1/51

All: -77.776+/-44.472 χ^2/NDF: 155.1/96



Right In: 360.085+/-0.088 χ^2/NDF: 6305388.0/21

Left Out: 313.500+/-0.051 χ^2/NDF:1175534.8/24

Right Out: 342.896+/-0.083 χ^2/NDF: 8048403.6/26

Left In: 315.456+/-0.053 χ^2/NDF:1008521.8/22

Left: 314.447+/-0.037 χ^2/NDF: 2184760.0/47

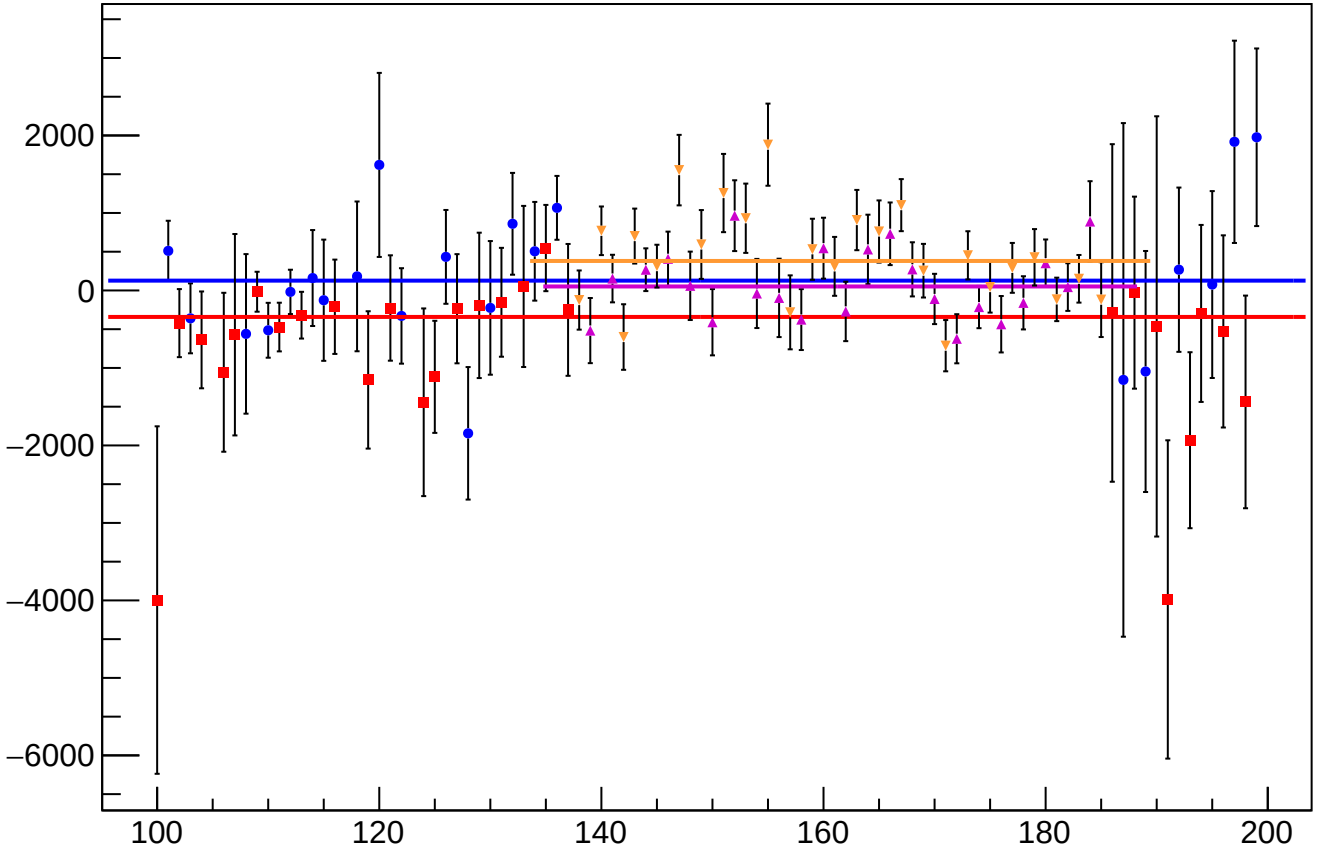
Right: 350.908+/-0.060 χ^2/NDF: 14373981.6/48

In: 327.245+/-0.045 χ^2/NDF:7501496.0/44

Out: 321.683+/-0.044 χ^2/NDF:9315367.1/51

All: 324.348+/-0.031 χ^2/NDF: 16824669.9/96

asym_sam7_mean vs Slug, Sign Corrected



Right In: 126.729+/-128.157 χ^2/NDF: 26.1/21

Left Out: 380.624+/-73.057 χ^2/NDF:55.4/24

Right Out: -341.723+/-120.314 χ^2/NDF: 16.8/26

Left In: 51.474+/-75.629 χ^2/NDF:28.2/22

Left: 221.742+/-52.545 χ^2/NDF: 93.4/47

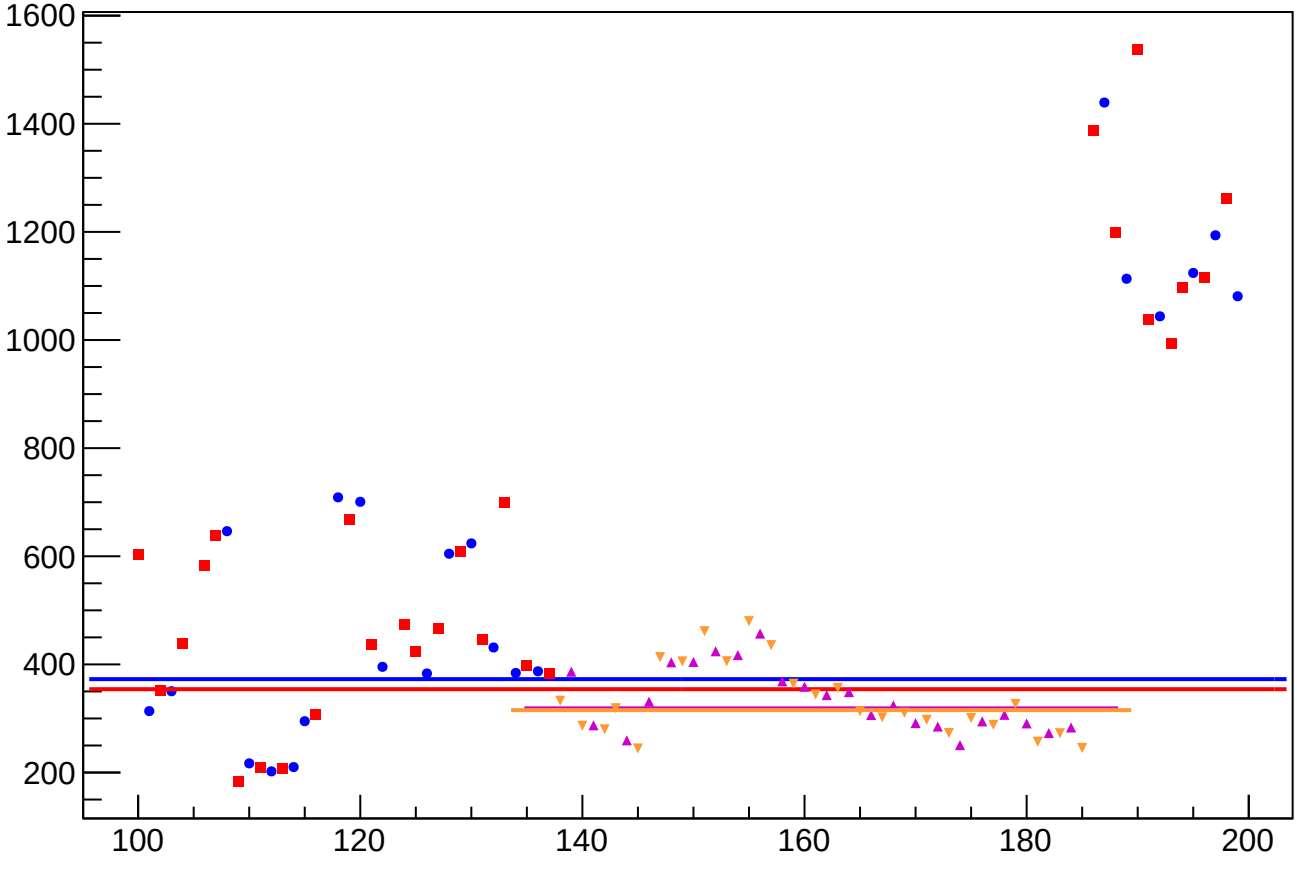
Right: -122.270+/-87.716 χ^2/NDF: 50.0/48

In: 70.912+/-65.133 χ^2/NDF:54.6/44

Out: 186.033+/-62.446 χ^2/NDF:98.5/51

All: 130.897+/-45.076 χ^2/NDF: 154.7/96

asym_sam7_rms vs Slug, Sign Corrected



Right In: 372.742+/-0.091 χ^2/NDF: 5976422.0/21

Left Out: 315.396+/-0.052 χ^2/NDF:1210106.0/24

Right Out: 354.121+/-0.085 χ^2/NDF: 7924165.5/26

Left In: 318.688+/-0.053 χ^2/NDF:991604.7/22

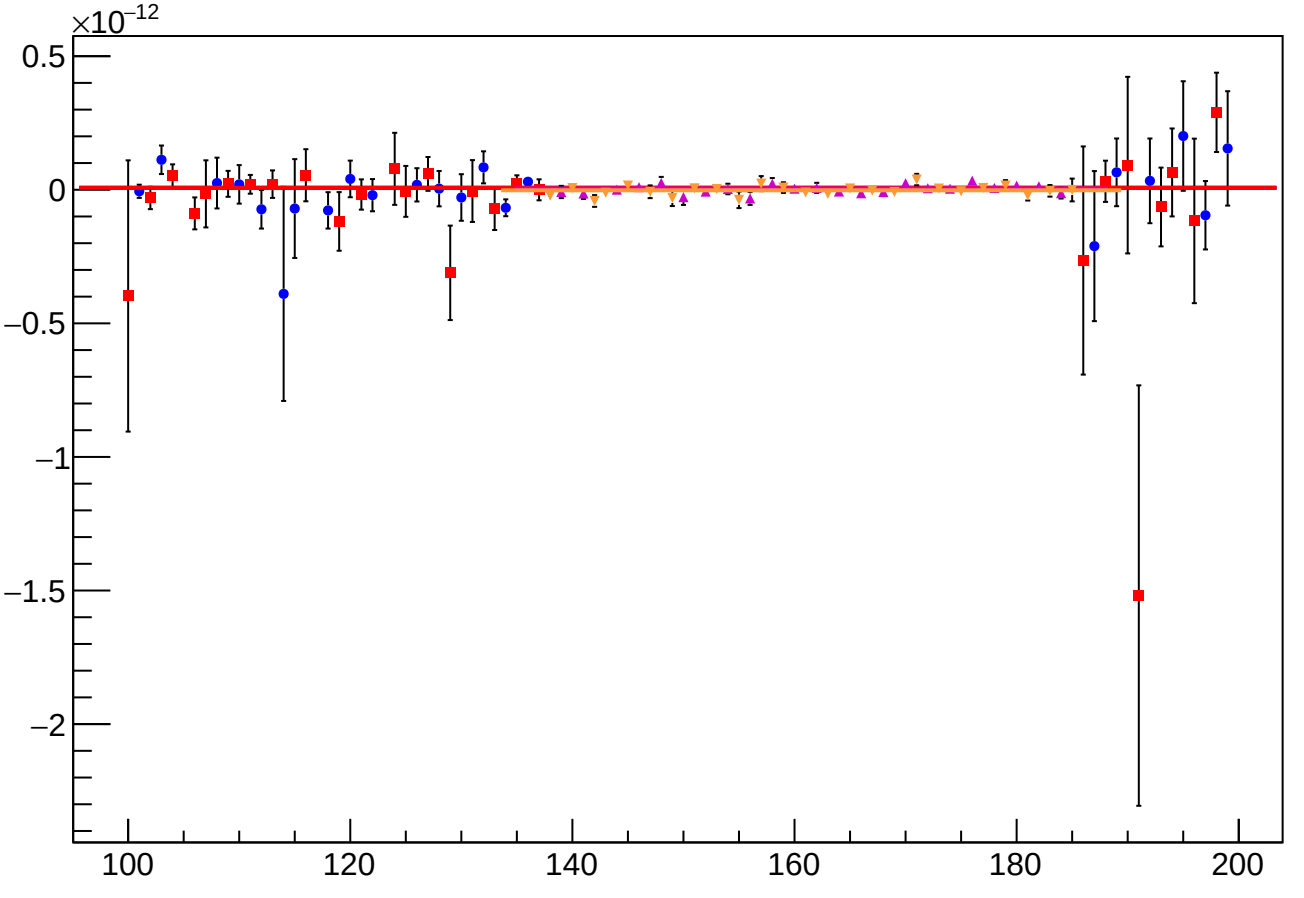
Left: 316.985+/-0.037 χ^2/NDF: 2203671.8/47

Right: 362.845+/-0.062 χ^2/NDF: 13923030.4/48

In: 332.650+/-0.046 χ^2/NDF:7231920.1/44

Out: 325.828+/-0.044 χ^2/NDF:9285658.4/51

All: 329.095+/-0.032 χ^2/NDF: 16529012.8/96



Right In: 0.000+/-0.000 χ^2/NDF: 20.6/21

Left Out: -0.000+/-0.000 χ^2/NDF:19.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 21.3/26

Left In: 0.000+/-0.000 χ^2/NDF:17.7/22

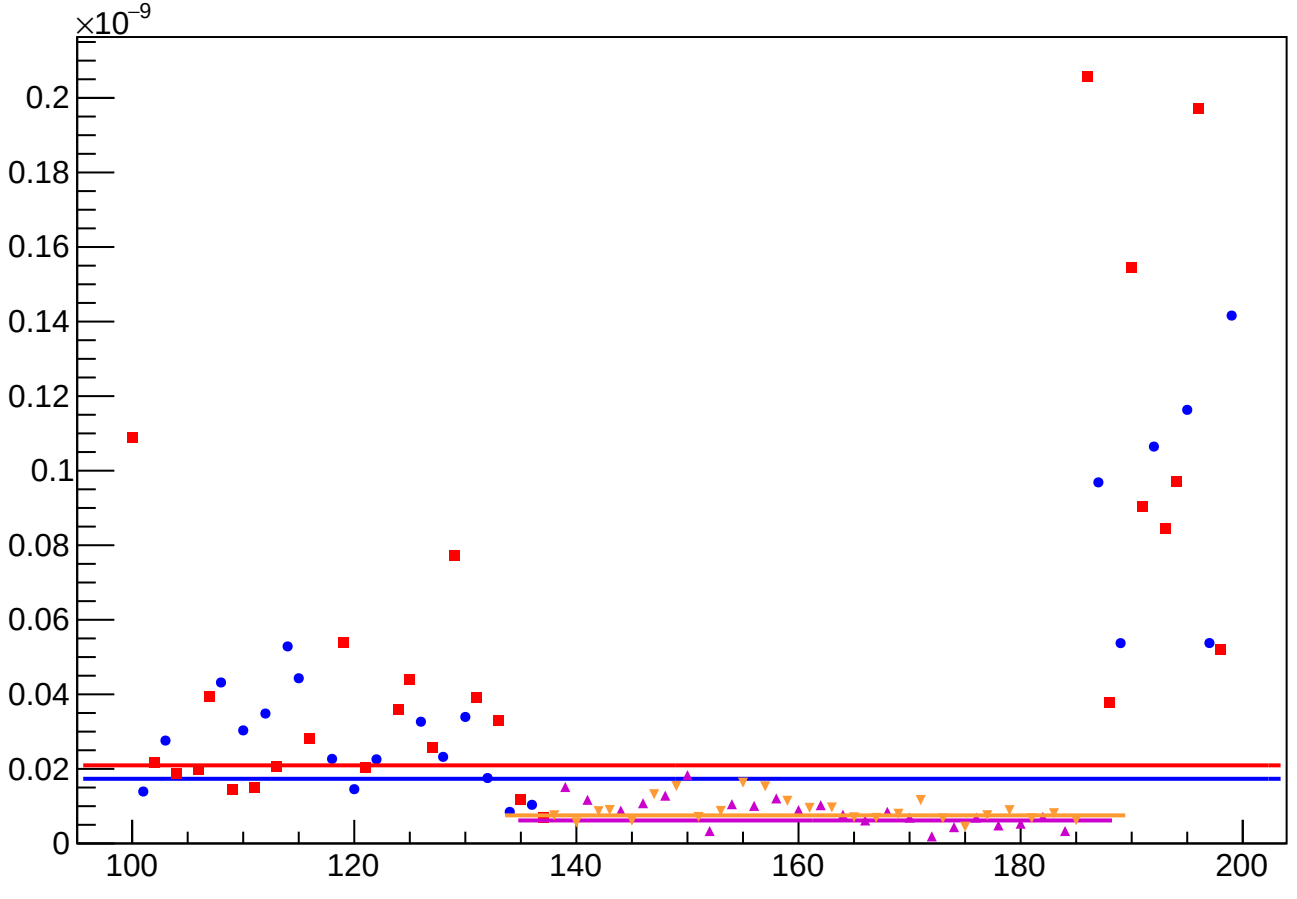
Left: 0.000+/-0.000 χ^2/NDF: 38.8/47

Right: 0.000+/-0.000 χ^2/NDF: 41.9/48

In: 0.000+/-0.000 χ^2/NDF:38.3/44

Out: -0.000+/-0.000 χ^2/NDF:40.8/51

All: 0.000+/-0.000 χ^2/NDF: 81.2/96



Right In: 0.000+/-0.000 χ^2/NDF: 3471637.7/21

Left Out: 0.000+/-0.000 χ^2/NDF:1208953.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3648987.9/26

Left In: 0.000+/-0.000 χ^2/NDF:2784673.9/22

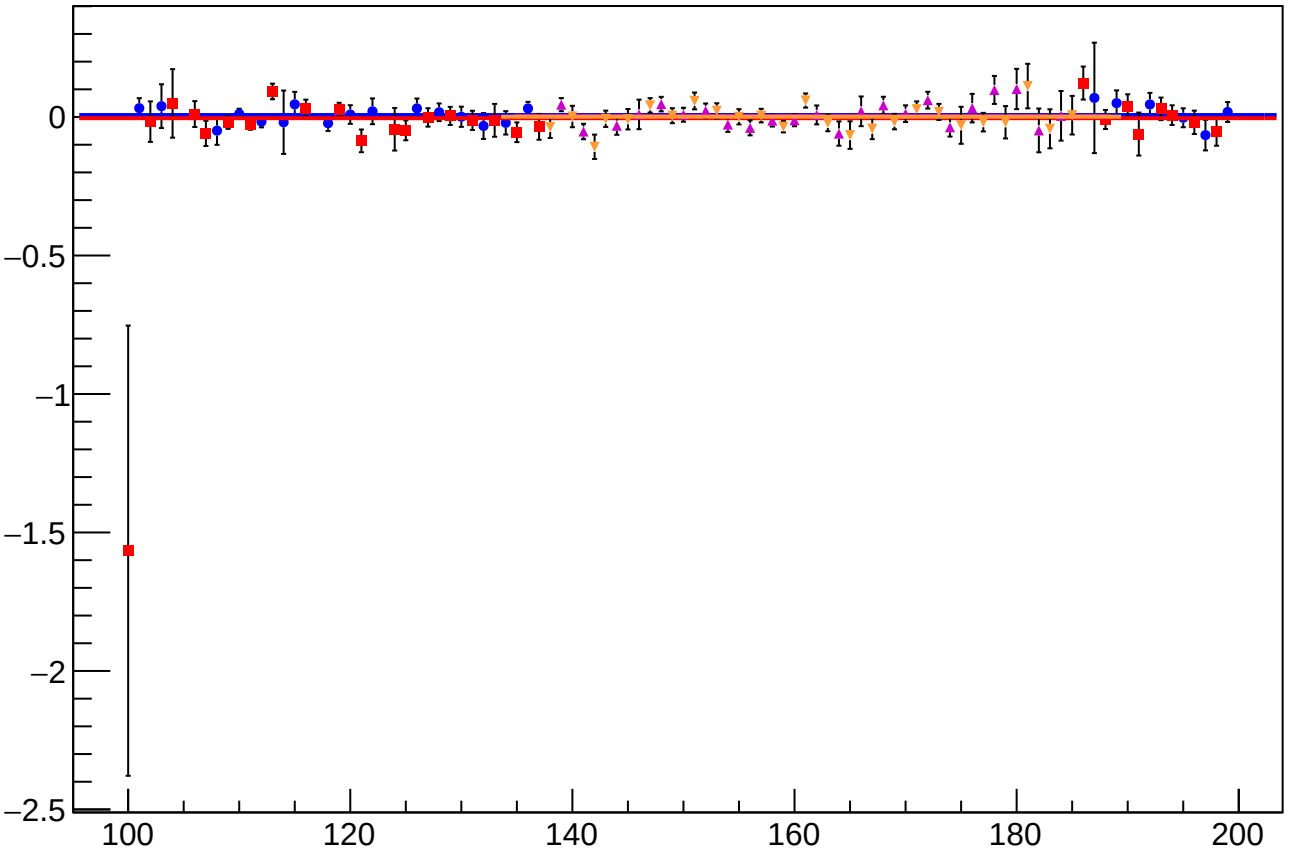
Left: 0.000+/-0.000 χ^2/NDF: 4183311.6/47

Right: 0.000+/-0.000 χ^2/NDF: 7215759.9/48

In: 0.000+/-0.000 χ^2/NDF:8239754.7/44

Out: 0.000+/-0.000 χ^2/NDF:7016135.9/51

All: 0.000+/-0.000 χ^2/NDF: 15468507.8/96



Right In: 0.007+/-0.007 χ^2/NDF: 11.6/21

Left Out: 0.001+/-0.006 χ^2/NDF:30.3/24

Right Out: -0.004+/-0.007 χ^2/NDF: 37.9/26

Left In: 0.004+/-0.007 χ^2/NDF:31.1/22

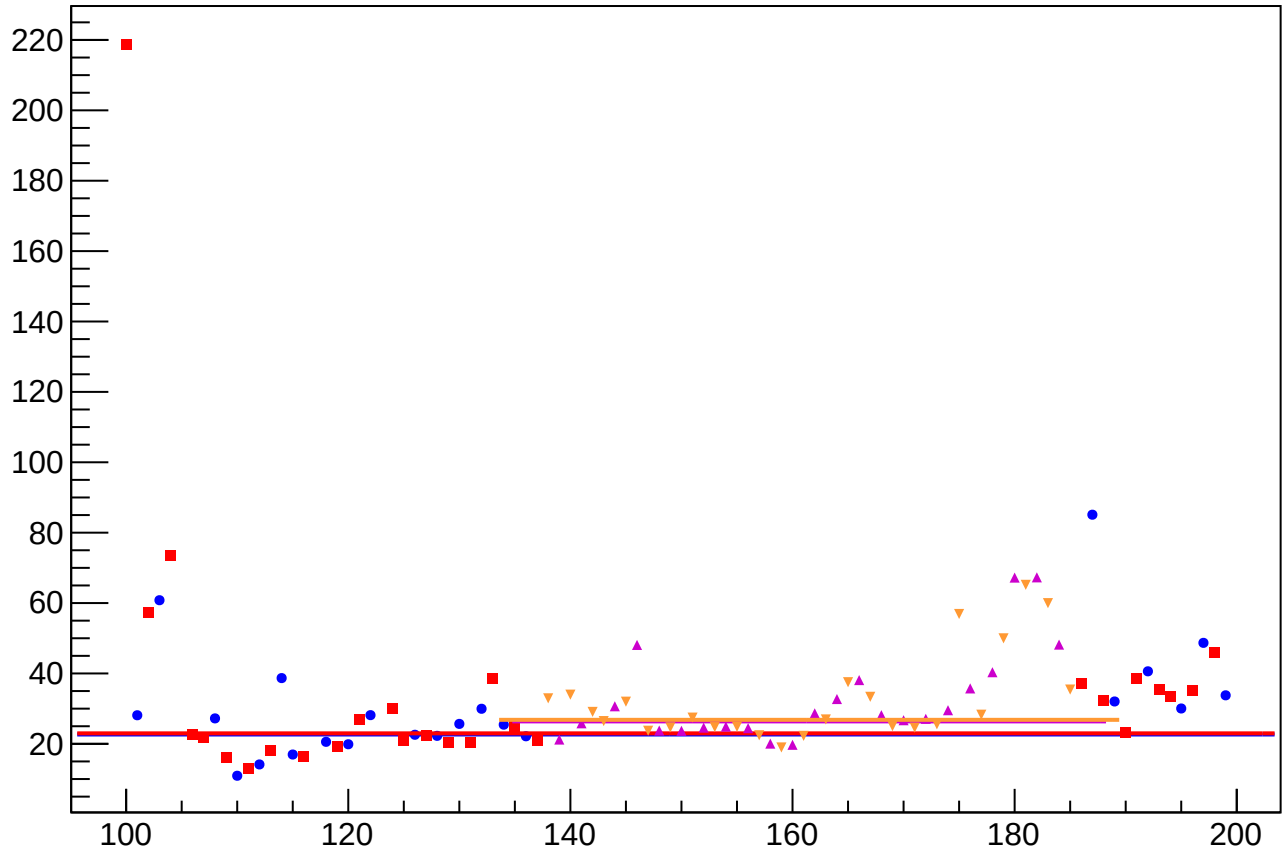
Left: 0.003+/-0.005 χ^2/NDF: 61.5/47

Right: 0.001+/-0.005 χ^2/NDF: 50.7/48

In: 0.005+/-0.005 χ^2/NDF:42.8/44

Out: -0.001+/-0.005 χ^2/NDF:68.4/51

All: 0.002+/-0.003 χ^2/NDF: 112.2/96



Right In: 22.654+/-0.005 χ^2/NDF: 3231078.8/21

Left Out: 26.820+/-0.005 χ^2/NDF:2469807.6/24

Right Out: 22.980+/-0.005 χ^2/NDF: 3263183.7/26

Left In: 26.376+/-0.005 χ^2/NDF:2566400.7/22

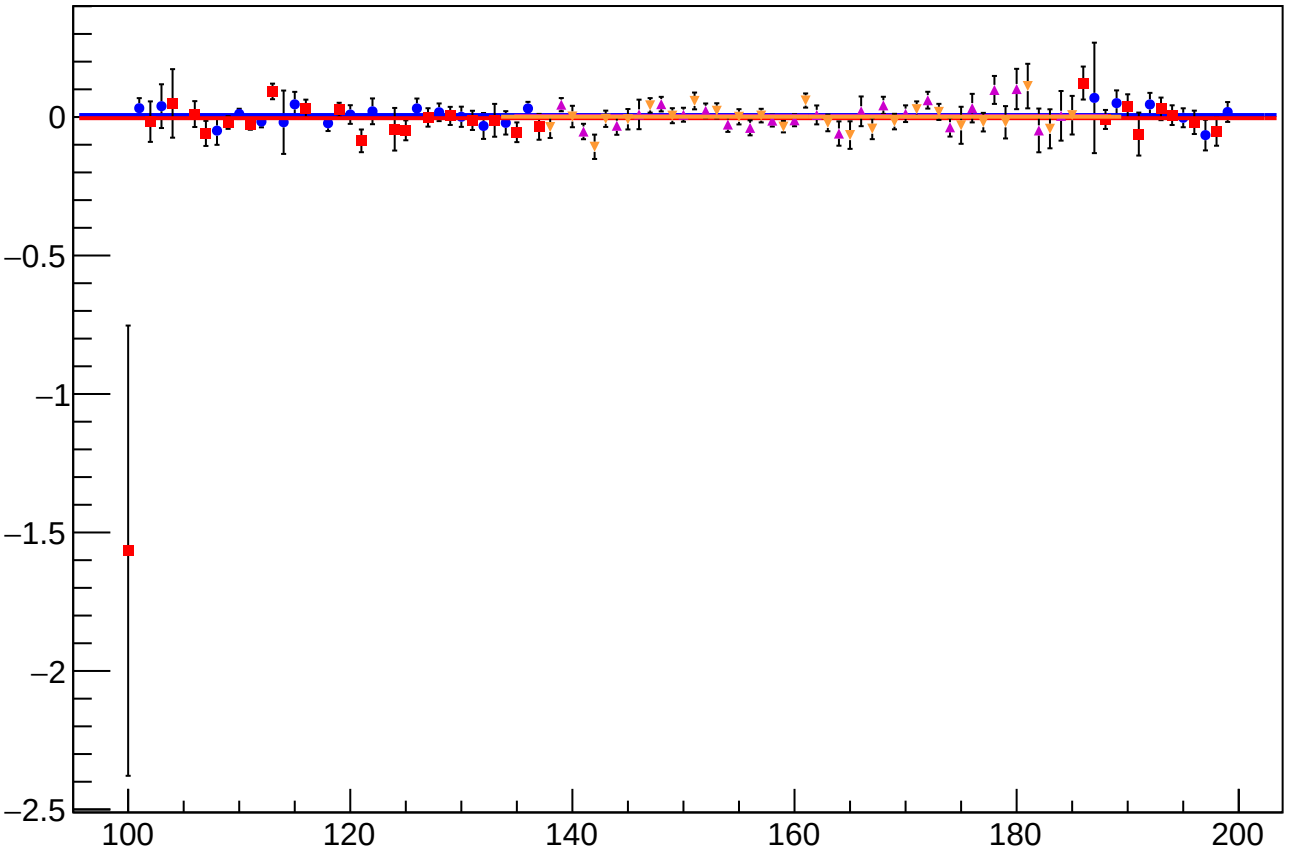
Left: 26.602+/-0.003 χ^2/NDF: 5040807.2/47

Right: 22.823+/-0.004 χ^2/NDF: 6496247.4/48

In: 24.739+/-0.003 χ^2/NDF:6077047.0/44

Out: 25.091+/-0.003 χ^2/NDF:6048000.8/51

All: 24.919+/-0.002 χ^2/NDF: 12130242.6/96



Right In: 0.007+/-0.007 χ^2/NDF: 11.6/21

Left Out: 0.001+/-0.006 χ^2/NDF:30.3/24

Right Out: -0.004+/-0.007 χ^2/NDF: 37.9/26

Left In: 0.004+/-0.007 χ^2/NDF:31.1/22

Left: 0.003+/-0.005 χ^2/NDF: 61.5/47

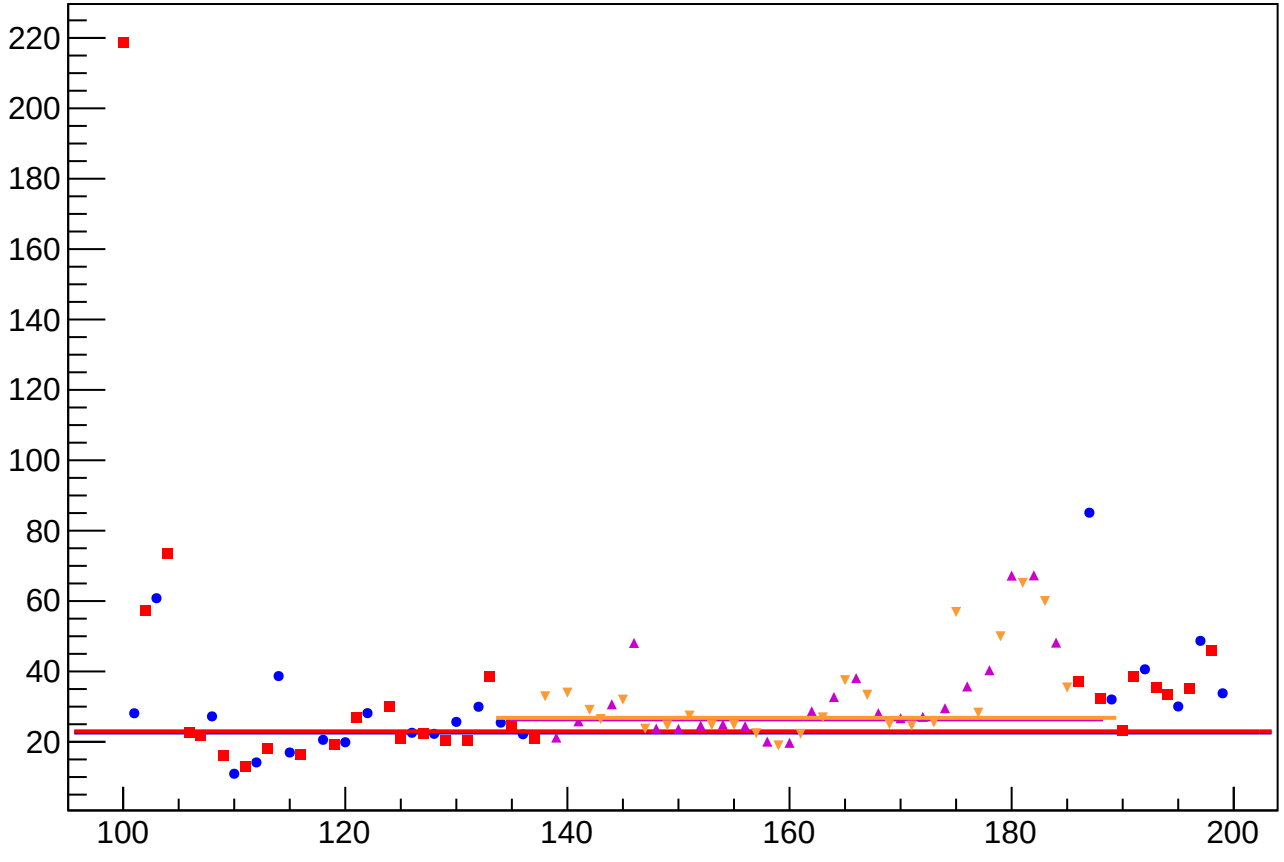
Right: 0.001+/-0.005 χ^2/NDF: 50.7/48

In: 0.005+/-0.005 χ^2/NDF:42.8/44

Out: -0.001+/-0.005 χ^2/NDF:68.4/51

All: 0.002+/-0.003 χ^2/NDF: 112.2/96

asym_sam7_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 22.654+/-0.005 χ^2/NDF: 3231078.8/21

Left Out: 26.820+/-0.005 χ^2/NDF:2469807.6/24

Right Out: 22.980+/-0.005 χ^2/NDF: 3263183.7/26

Left In: 26.376+/-0.005 χ^2/NDF:2566400.7/22

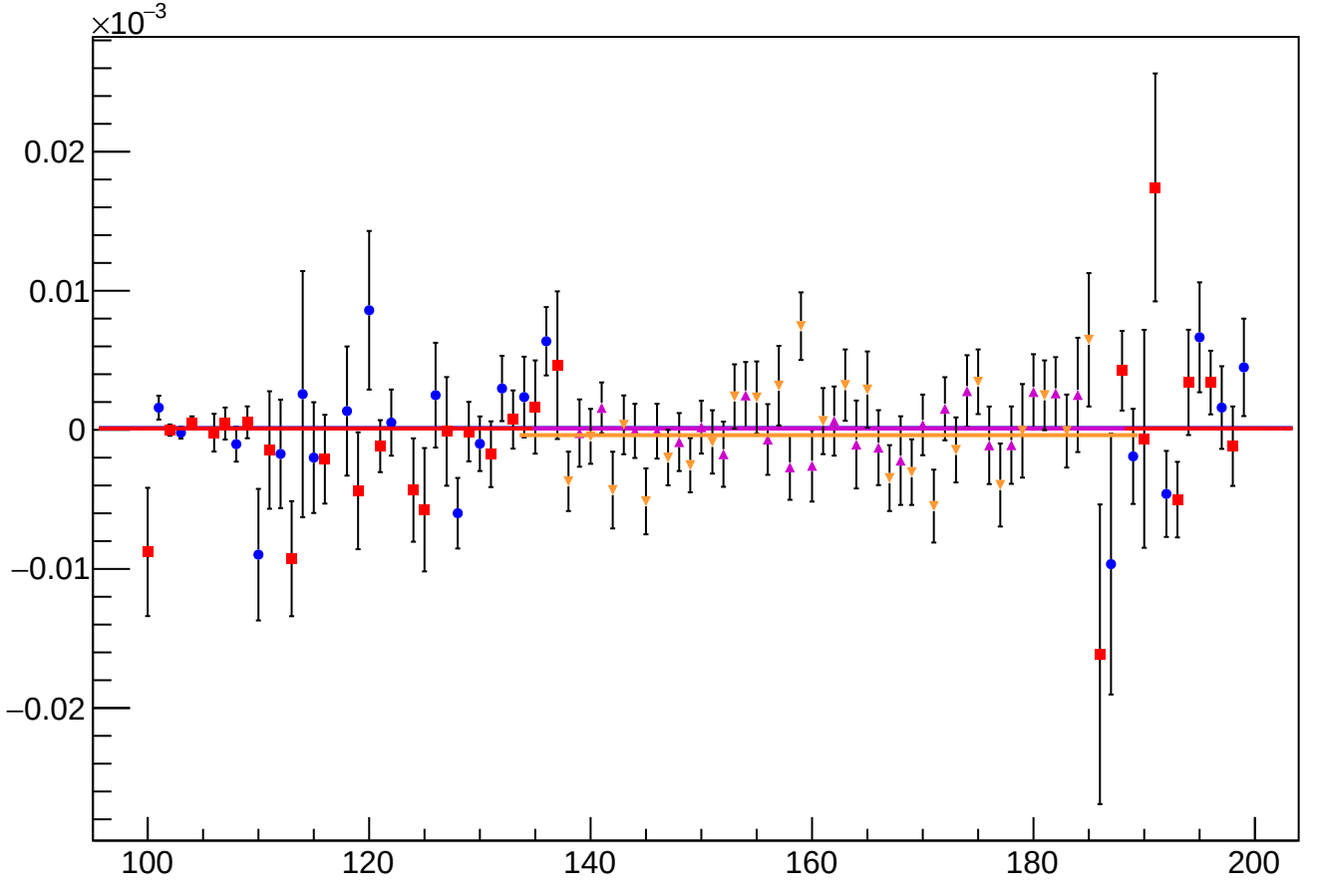
Left: 26.602+/-0.003 χ^2/NDF: 5040807.2/47

Right: 22.823+/-0.004 χ^2/NDF: 6496247.4/48

In: 24.739+/-0.003 χ^2/NDF:6077047.0/44

Out: 25.091+/-0.003 χ^2/NDF:6048000.8/51

All: 24.919+/-0.002 χ^2/NDF: 12130242.6/96



Right In: 0.000+/-0.000 χ^2/NDF: 34.4/21

Left Out: -0.000+/-0.000 χ^2/NDF:43.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 32.6/26

Left In: 0.000+/-0.000 χ^2/NDF:10.2/22

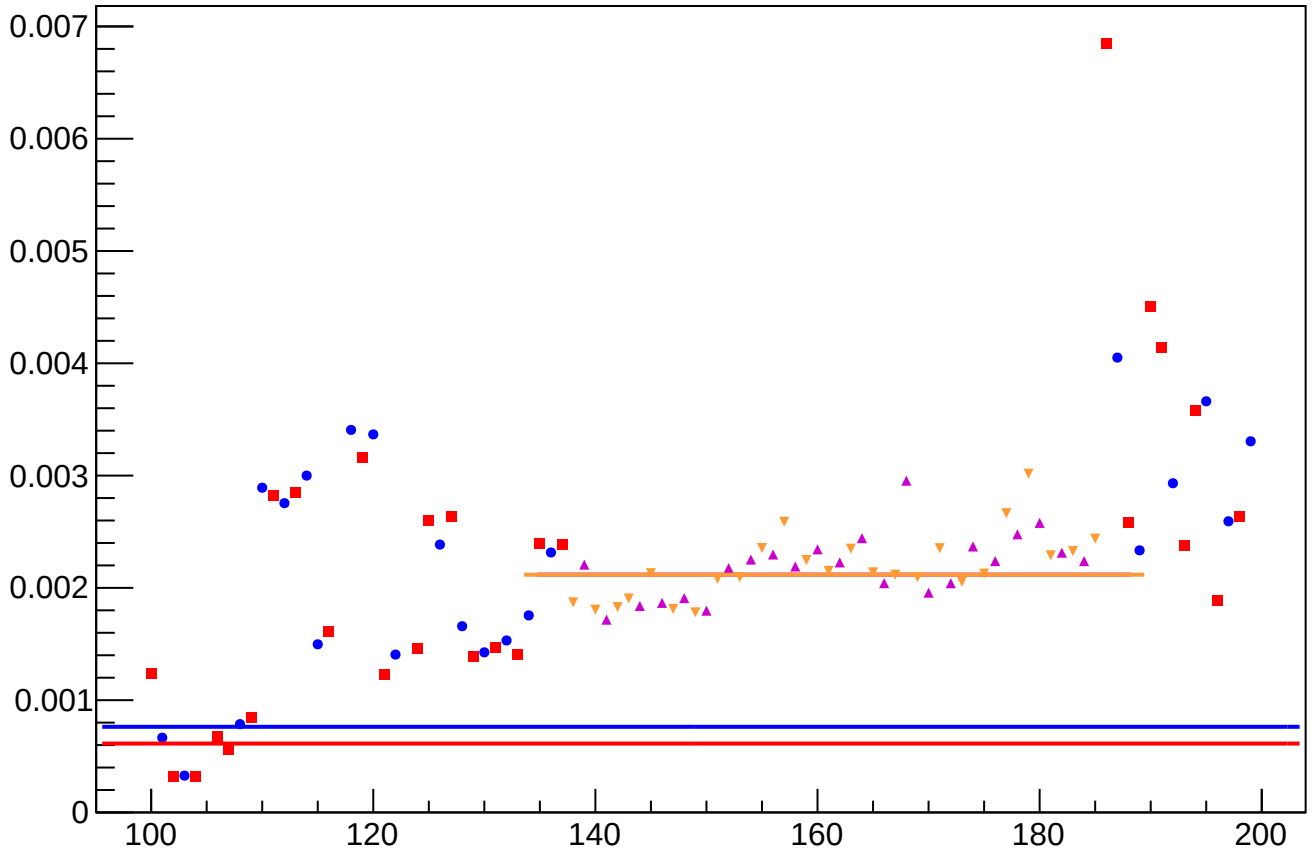
Left: -0.000+/-0.000 χ^2/NDF: 53.8/47

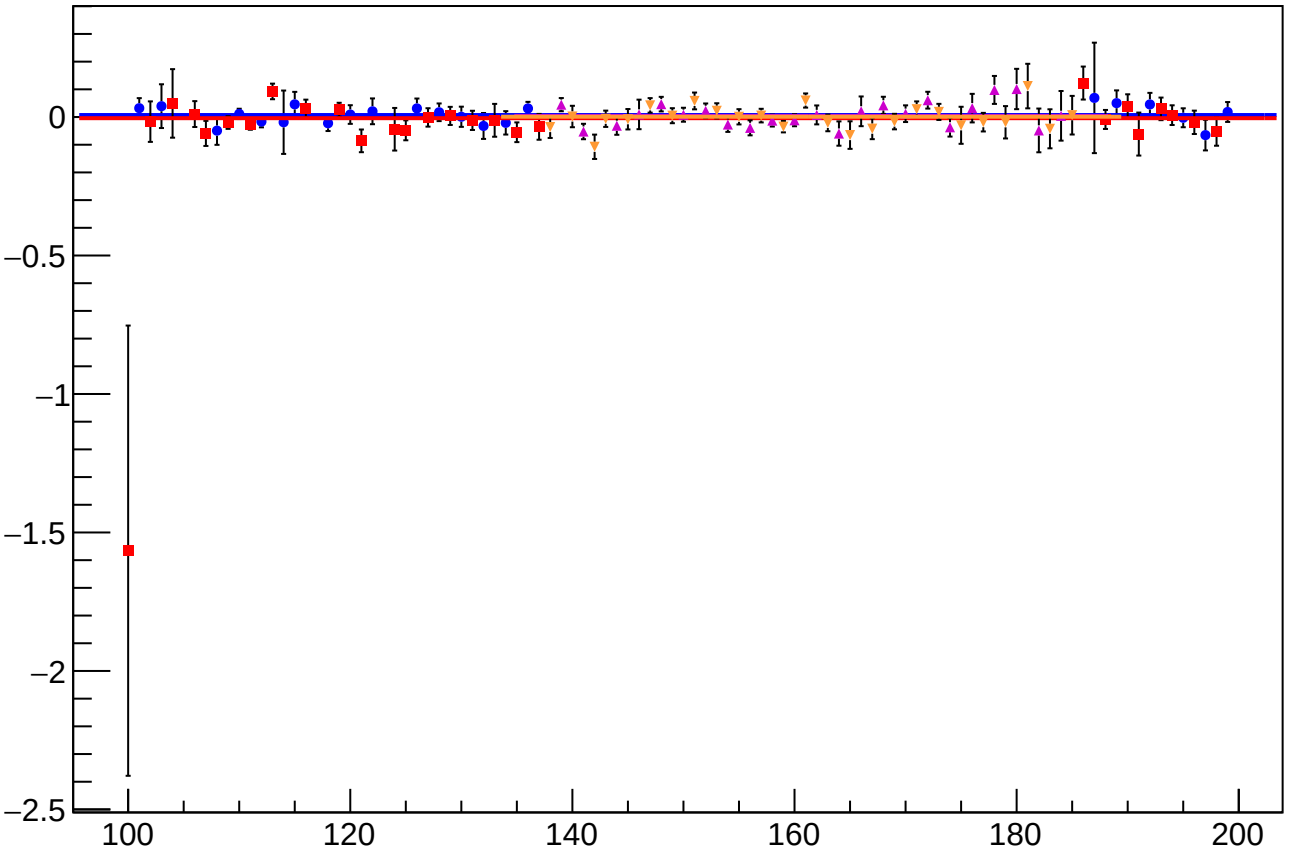
Right: 0.000+/-0.000 χ^2/NDF: 66.9/48

In: 0.000+/-0.000 χ^2/NDF:44.5/44

Out: -0.000+/-0.000 χ^2/NDF:76.5/51

All: 0.000+/-0.000 χ^2/NDF: 121.1/96


asym_sam7_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.007
0.006
0.005
0.004
0.003
0.002
0.001
0
100
120
140
160
180
200
Right In: 0.001+/-0.000 χ²/NDF: 11121421.7/21
Left Out: 0.002+/-0.000 χ²/NDF:578720.8/24
Right Out: 0.001+/-0.000 χ²/NDF: 13092898.8/26
Left In: 0.002+/-0.000 χ²/NDF:588580.3/22
Left: 0.002+/-0.000 χ²/NDF: 1167305.8/47
Right: 0.001+/-0.000 χ²/NDF: 24476003.0/48
In: 0.001+/-0.000 χ²/NDF:22031256.3/44
Out: 0.001+/-0.000 χ²/NDF:28678041.9/51
All: 0.001+/-0.000 χ²/NDF: 51546193.3/96



Right In: 0.007+/-0.007 χ^2/NDF: 11.6/21

Left Out: 0.001+/-0.006 χ^2/NDF:30.3/24

Right Out: -0.004+/-0.007 χ^2/NDF: 37.9/26

Left In: 0.004+/-0.007 χ^2/NDF:31.1/22

Left: 0.003+/-0.005 χ^2/NDF: 61.5/47

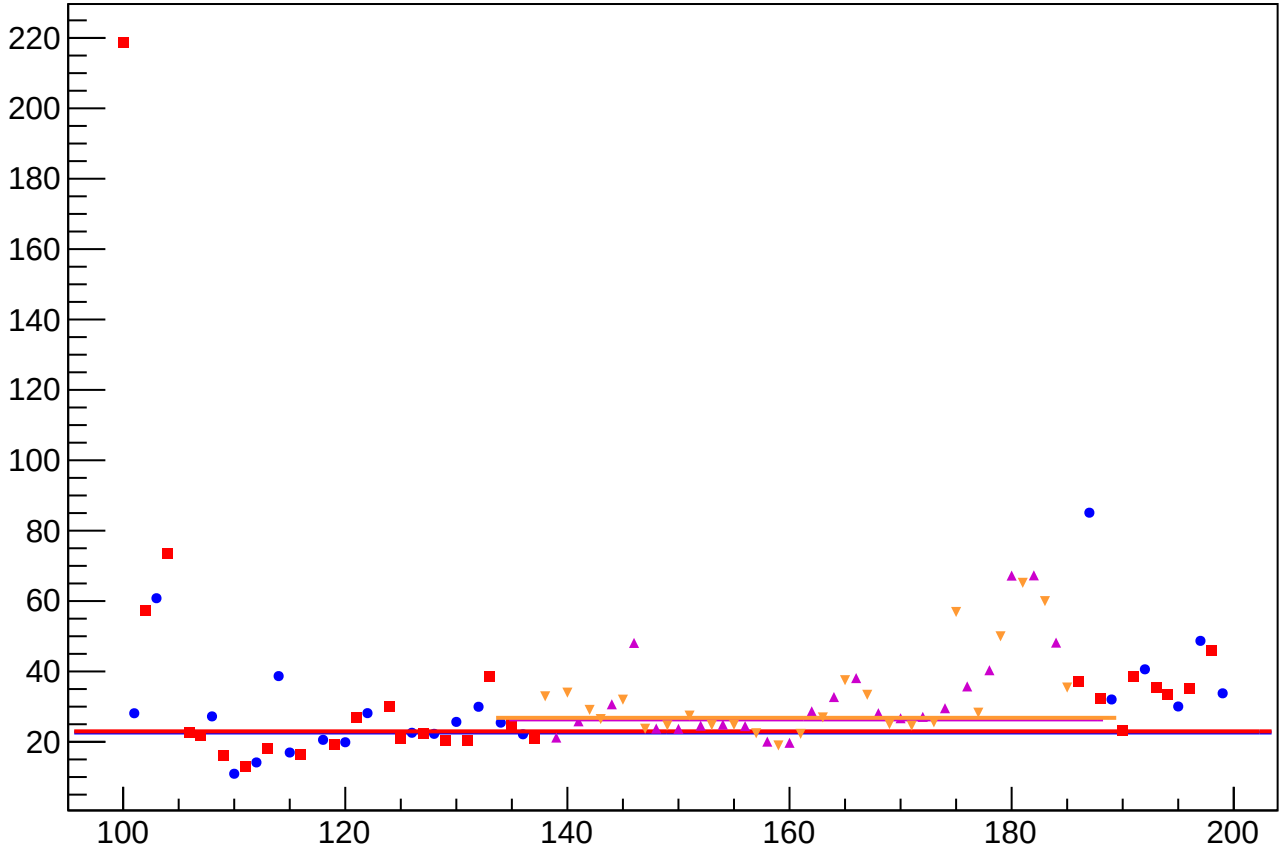
Right: 0.001+/-0.005 χ^2/NDF: 50.7/48

In: 0.005+/-0.005 χ^2/NDF:42.8/44

Out: -0.001+/-0.005 χ^2/NDF:68.4/51

All: 0.002+/-0.003 χ^2/NDF: 112.2/96

asym_sam7_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 22.655+/-0.005 χ^2/NDF: 3230831.6/21

Left Out: 26.820+/-0.005 χ^2/NDF:2469855.0/24

Right Out: 22.980+/-0.005 χ^2/NDF: 3262939.6/26

Left In: 26.376+/-0.005 χ^2/NDF:2566477.5/22

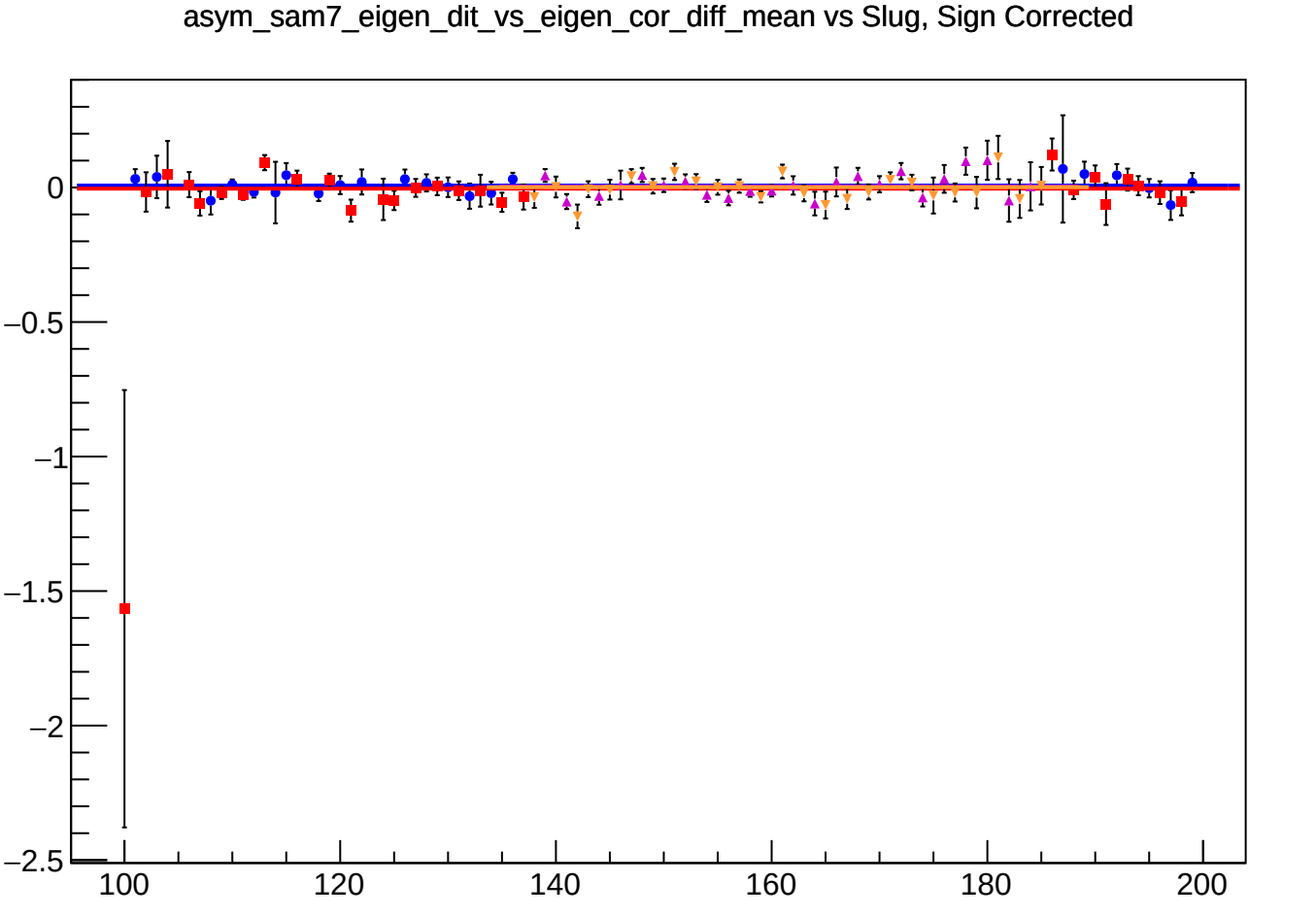
Left: 26.602+/-0.003 χ^2/NDF: 5040932.0/47

Right: 22.823+/-0.004 χ^2/NDF: 6495750.8/48

In: 24.739+/-0.003 χ^2/NDF:6076797.4/44

Out: 25.091+/-0.003 χ^2/NDF:6047799.4/51

All: 24.919+/-0.002 χ^2/NDF: 12129785.7/96



Right In: 0.007+/-0.007 χ^2/NDF: 11.6/21

Left Out: 0.001+/-0.006 χ^2/NDF:30.3/24

Right Out: -0.004+/-0.007 χ^2/NDF: 37.9/26

Left In: 0.004+/-0.007 χ^2/NDF:31.1/22

Left: 0.003+/-0.005 χ^2/NDF: 61.5/47

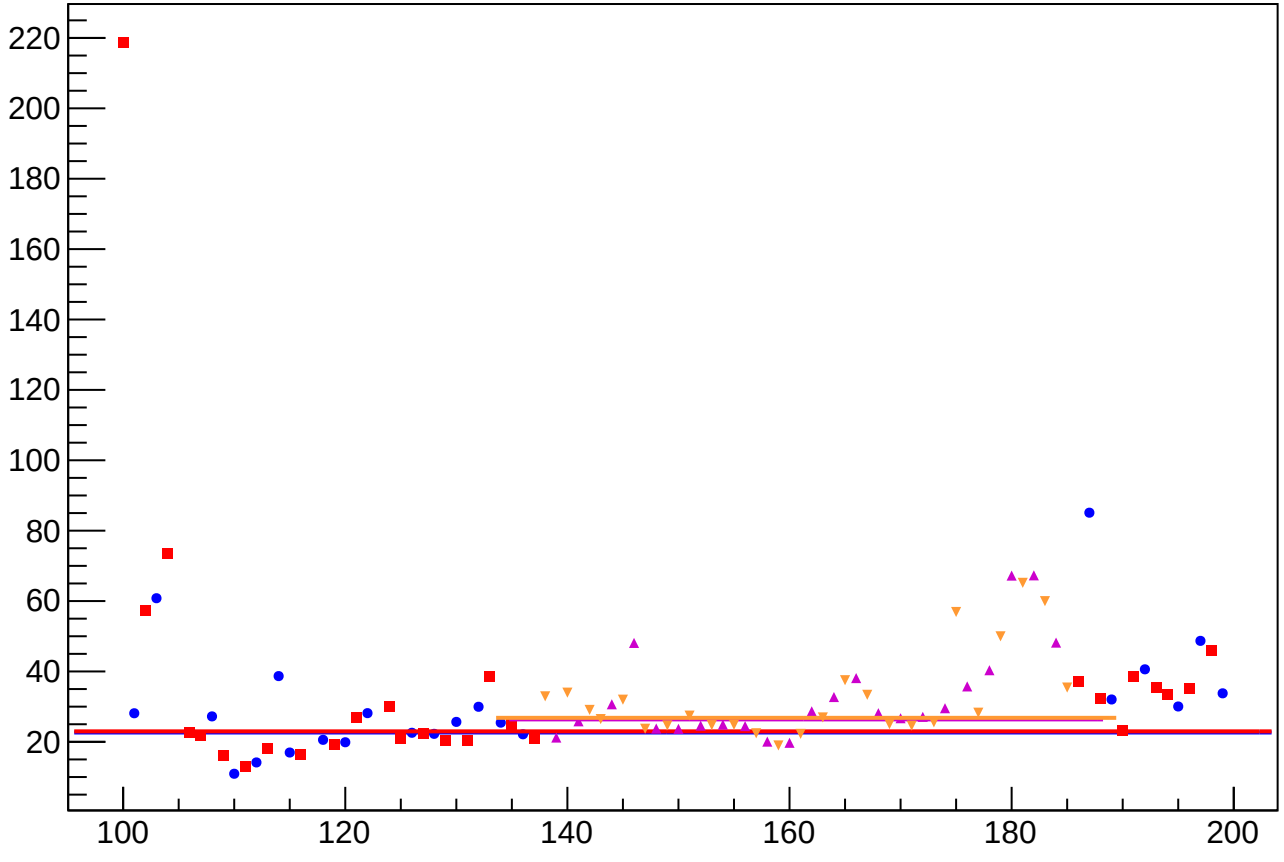
Right: 0.001+/-0.005 χ^2/NDF: 50.7/48

In: 0.005+/-0.005 χ^2/NDF:42.8/44

Out: -0.001+/-0.005 χ^2/NDF:68.4/51

All: 0.002+/-0.003 χ^2/NDF: 112.2/96

asym_sam7_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 22.655+/-0.005 χ^2/NDF: 3230831.6/21

Left Out: 26.820+/-0.005 χ^2/NDF:2469855.0/24

Right Out: 22.980+/-0.005 χ^2/NDF: 3262939.6/26

Left In: 26.376+/-0.005 χ^2/NDF:2566477.5/22

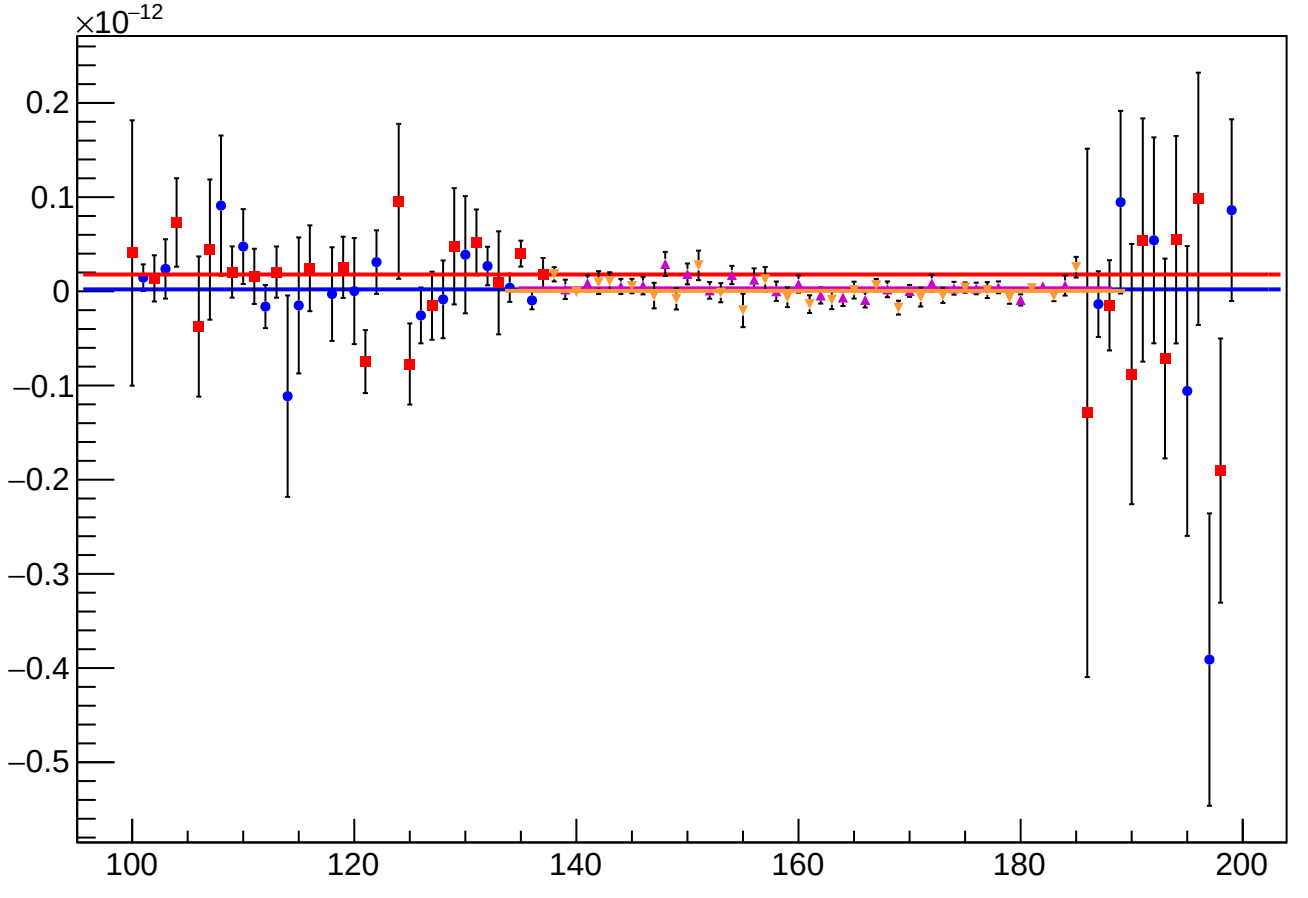
Left: 26.602+/-0.003 χ^2/NDF: 5040932.0/47

Right: 22.823+/-0.004 χ^2/NDF: 6495750.8/48

In: 24.739+/-0.003 χ^2/NDF:6076797.4/44

Out: 25.091+/-0.003 χ^2/NDF:6047799.4/51

All: 24.919+/-0.002 χ^2/NDF: 12129785.7/96



Right In: 0.000+/-0.000 χ^2/NDF: 19.9/21

Left Out: 0.000+/-0.000 χ^2/NDF:32.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 25.1/26

Left In: 0.000+/-0.000 χ^2/NDF:19.1/22

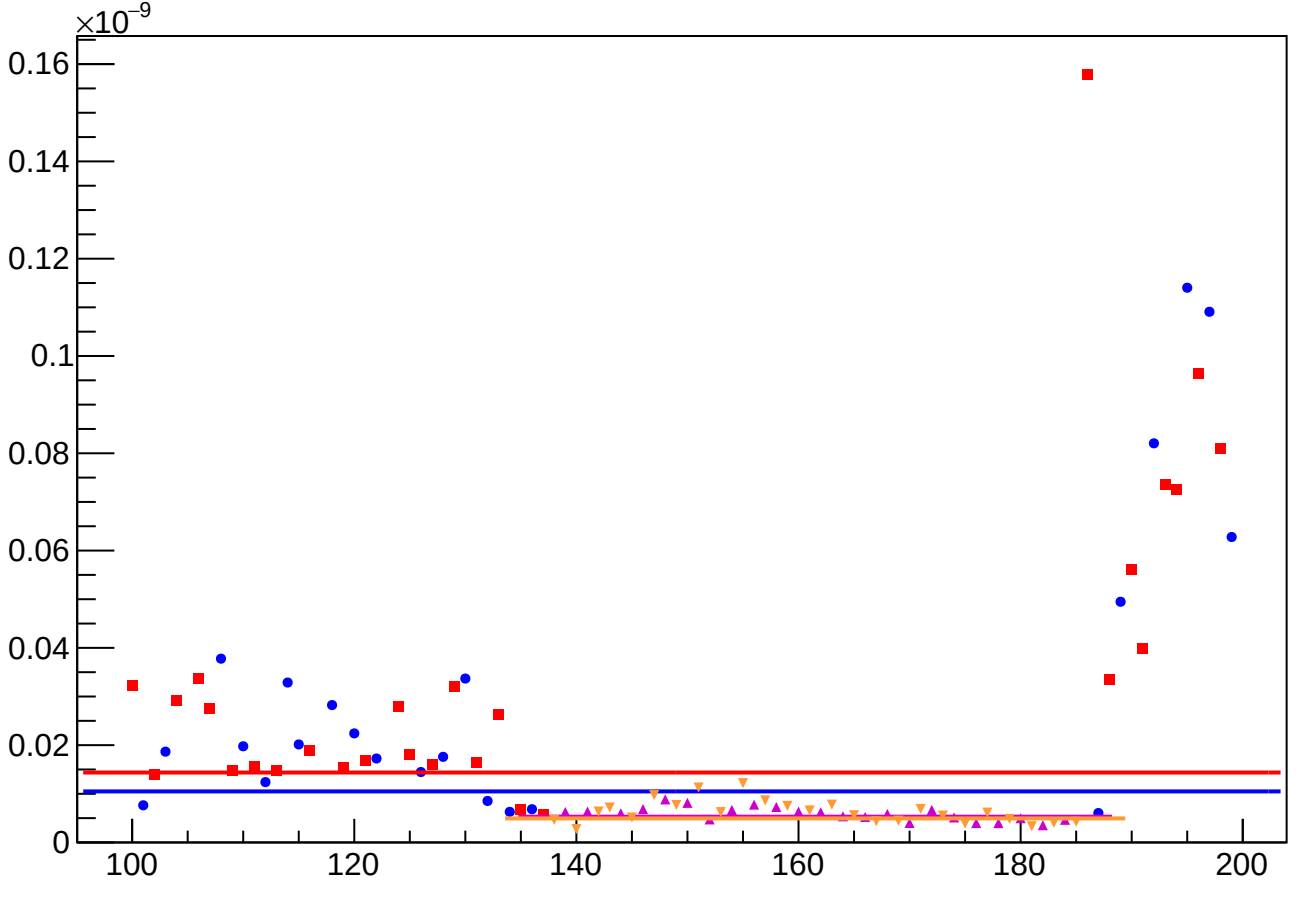
Left: 0.000+/-0.000 χ^2/NDF: 53.0/47

Right: 0.000+/-0.000 χ^2/NDF: 48.1/48

In: 0.000+/-0.000 χ^2/NDF:39.0/44

Out: 0.000+/-0.000 χ^2/NDF:63.7/51

All: 0.000+/-0.000 χ^2/NDF: 103.2/96



Right In: 0.000+/-0.000 χ^2/NDF: 5517183.3/21

Left Out: 0.000+/-0.000 χ^2/NDF:2747591.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5387514.5/26

Left In: 0.000+/-0.000 χ^2/NDF:1247237.9/22

Left: 0.000+/-0.000 χ^2/NDF: 4044909.4/47

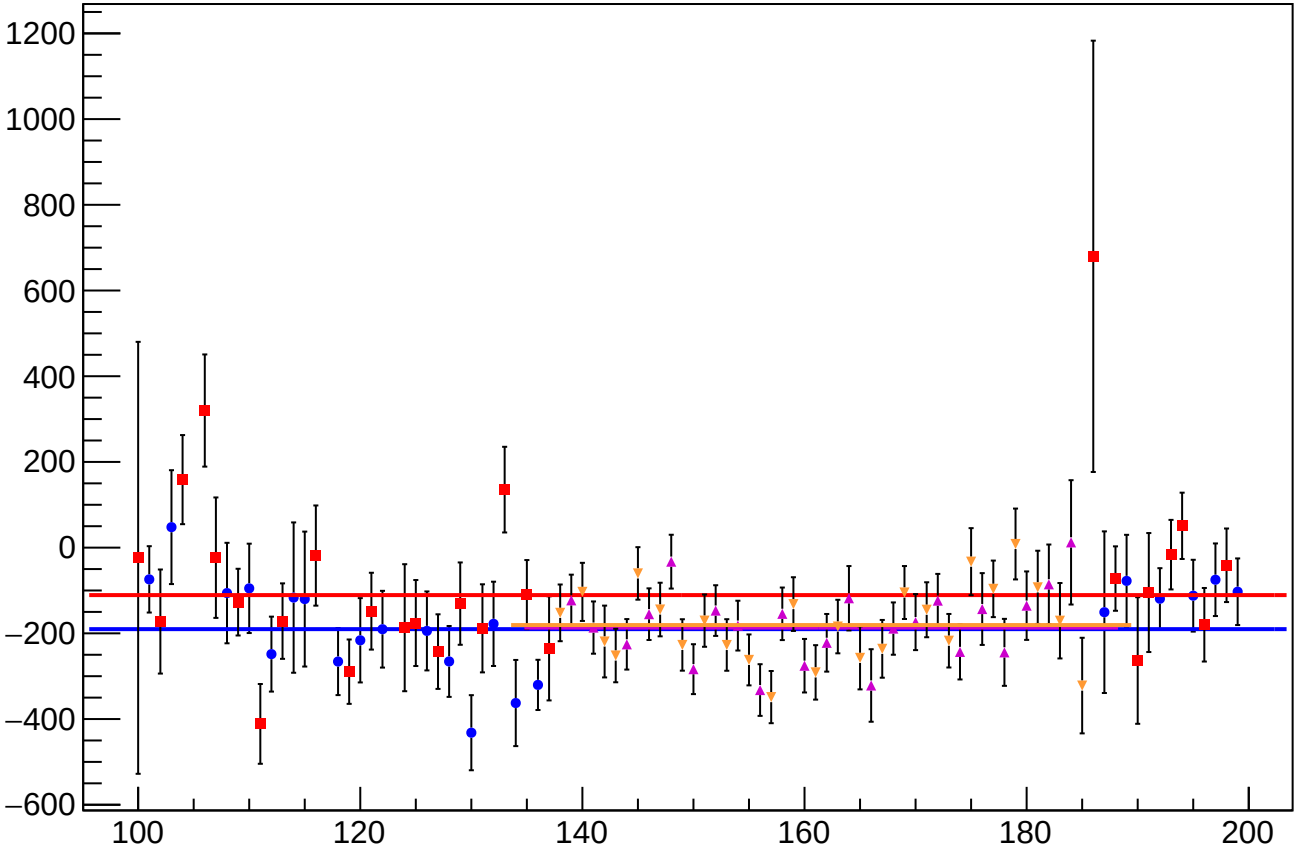
Right: 0.000+/-0.000 χ^2/NDF: 11285098.6/48

In: 0.000+/-0.000 χ^2/NDF:8340446.1/44

Out: 0.000+/-0.000 χ^2/NDF:11676109.4/51

All: 0.000+/-0.000 χ^2/NDF: 20059478.0/96

reg_asym_sam8_mean vs Slug, Sign Corrected



Right In: -190.194+/-19.501 χ^2/NDF: 31.1/21

Left Out: -180.685+/-13.419 χ^2/NDF:38.6/24

Right Out: -110.752+/-19.145 χ^2/NDF: 57.2/26

Left In: -186.567+/-13.860 χ^2/NDF:29.0/22

Left: -183.531+/-9.641 χ^2/NDF: 67.7/47

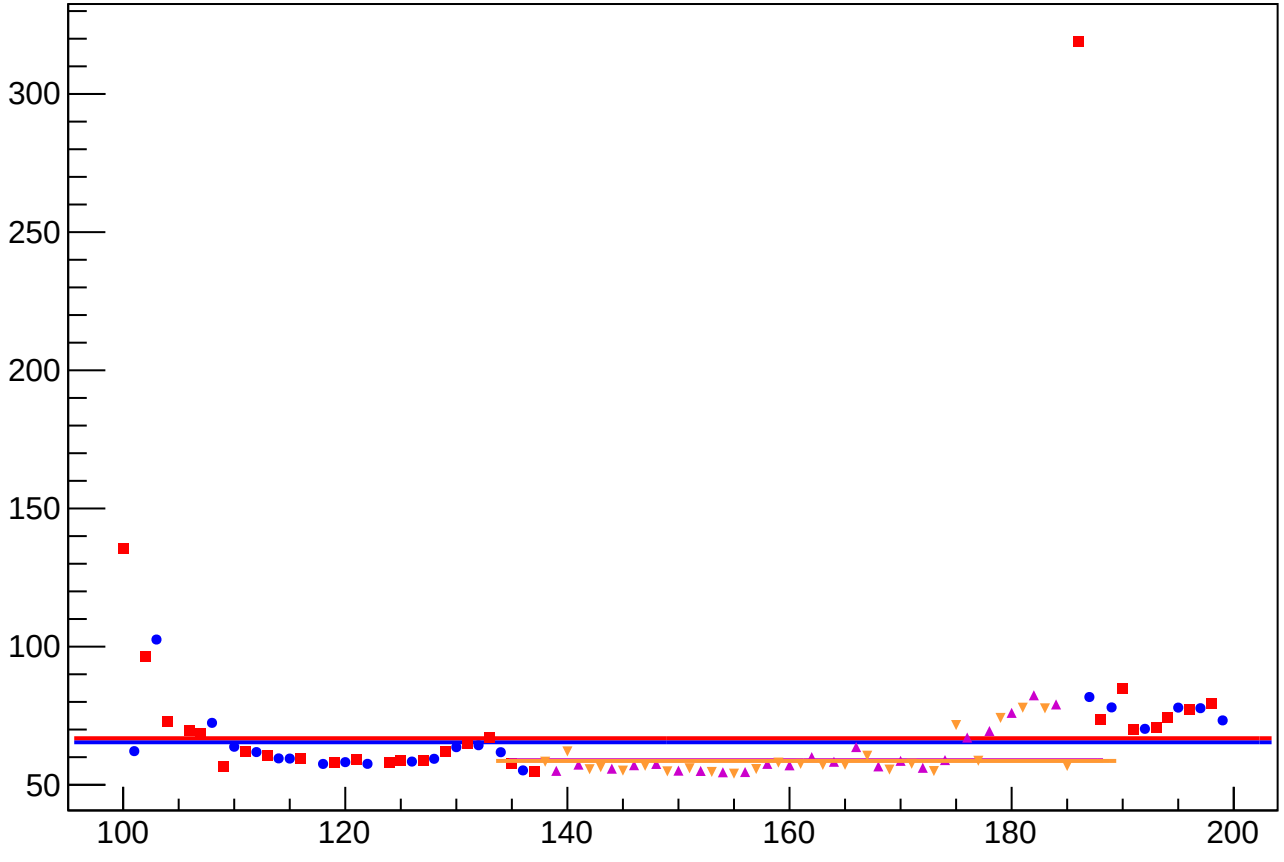
Right: -149.740+/-13.662 χ^2/NDF: 96.7/48

In: -187.784+/-11.297 χ^2/NDF:60.1/44

Out: -157.647+/-10.988 χ^2/NDF:104.7/51

All: -172.298+/-7.877 χ^2/NDF: 168.5/96

reg_asym_sam8_rms vs Slug, Sign Corrected



Right In: 65.398+/-0.014 χ^2/NDF: 467693.2/21

Left Out: 58.644+/-0.009 χ^2/NDF:393880.8/24

Right Out: 66.854+/-0.014 χ^2/NDF: 996384.7/26

Left In: 58.906+/-0.010 χ^2/NDF:386820.4/22

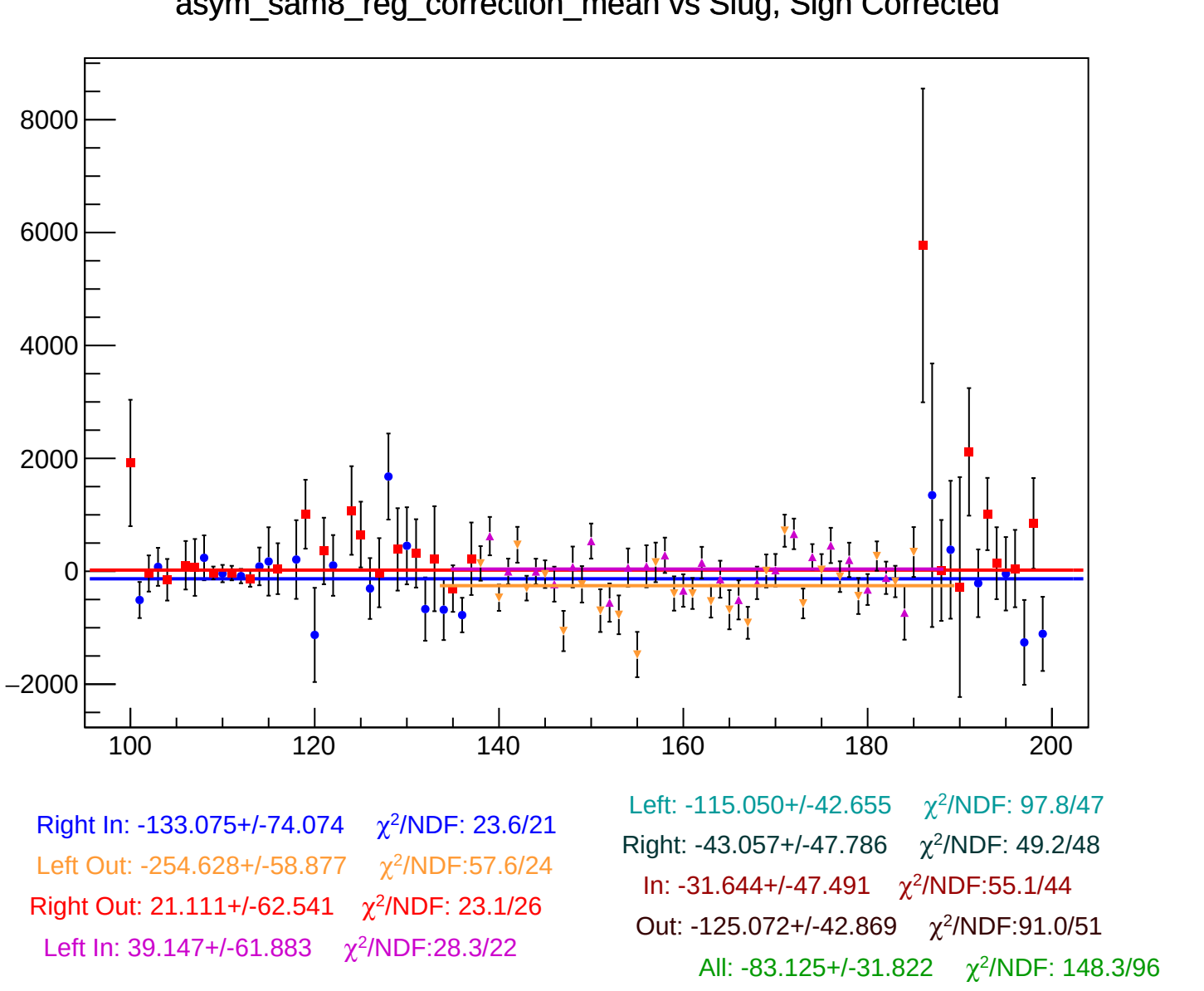
Left: 58.771+/-0.007 χ^2/NDF: 781070.9/47

Right: 66.140+/-0.010 χ^2/NDF: 1469758.5/48

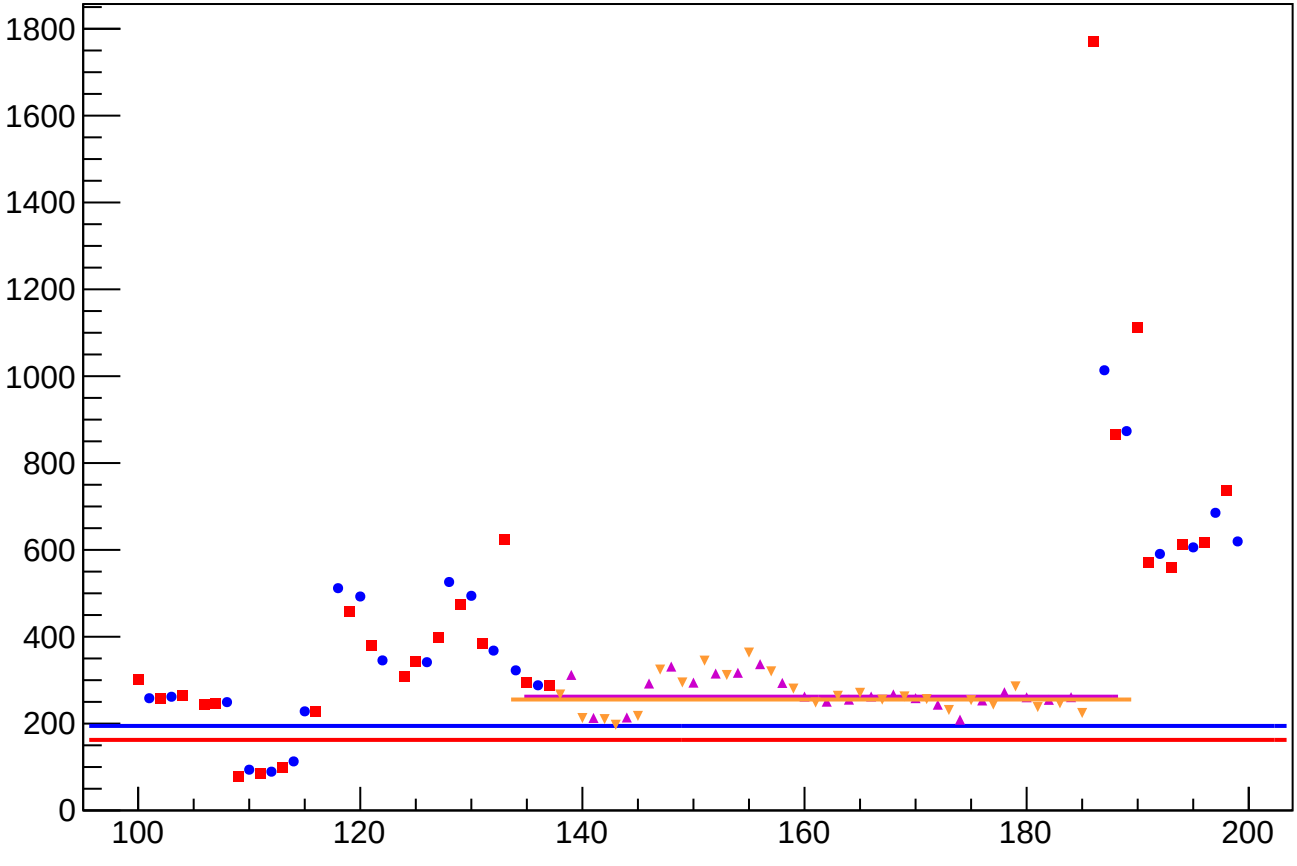
In: 61.085+/-0.008 χ^2/NDF:1001770.2/44

Out: 61.349+/-0.008 χ^2/NDF:1636938.2/51

All: 61.220+/-0.006 χ^2/NDF: 2639268.9/96


asym_sam8_reg_correction_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
100
120
140
160
180
200
Right In: -133.075+/-74.074 χ²/NDF: 23.6/21
Left Out: -254.628+/-58.877 χ²/NDF:57.6/24
Right Out: 21.111+/-62.541 χ²/NDF: 23.1/26
Left In: 39.147+/-61.883 χ²/NDF:28.3/22
Left: -115.050+/-42.655 χ²/NDF: 97.8/47
Right: -43.057+/-47.786 χ²/NDF: 49.2/48
In: -31.644+/-47.491 χ²/NDF:55.1/44
Out: -125.072+/-42.869 χ²/NDF:91.0/51
All: -83.125+/-31.822 χ²/NDF: 148.3/96

asym_sam8_reg_correction_rms vs Slug, Sign Corrected



Right In: 194.646+/-0.052 χ^2/NDF: 9006658.1/21

Left Out: 255.469+/-0.042 χ^2/NDF:863866.8/24

Right Out: 162.468+/-0.044 χ^2/NDF: 11729687.4/26

Left In: 262.007+/-0.044 χ^2/NDF:670576.2/22

Left: 258.576+/-0.030 χ^2/NDF: 1546159.8/47

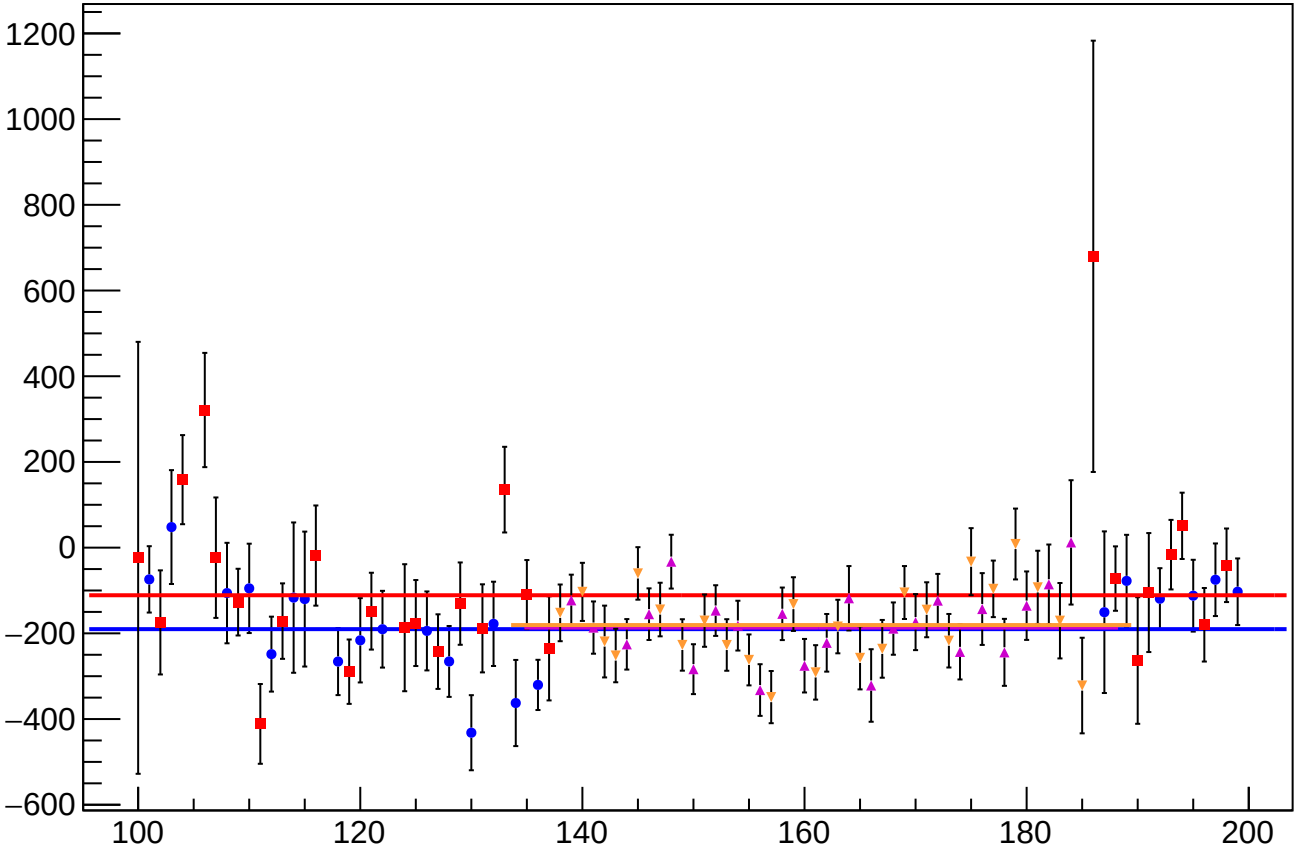
Right: 175.860+/-0.034 χ^2/NDF: 20956687.0/48

In: 234.319+/-0.034 χ^2/NDF:10651314.0/44

Out: 211.773+/-0.030 χ^2/NDF:14938212.9/51

All: 221.896+/-0.023 χ^2/NDF: 25837900.8/96

cor_asym_sam8_mean vs Slug, Sign Corrected



Right In: -190.193+/-19.501 χ^2/NDF: 31.1/21

Left Out: -180.680+/-13.419 χ^2/NDF:38.6/24

Right Out: -111.108+/-19.152 χ^2/NDF: 56.8/26

Left In: -186.567+/-13.860 χ^2/NDF:29.0/22

Left: -183.529+/-9.641 χ^2/NDF: 67.7/47

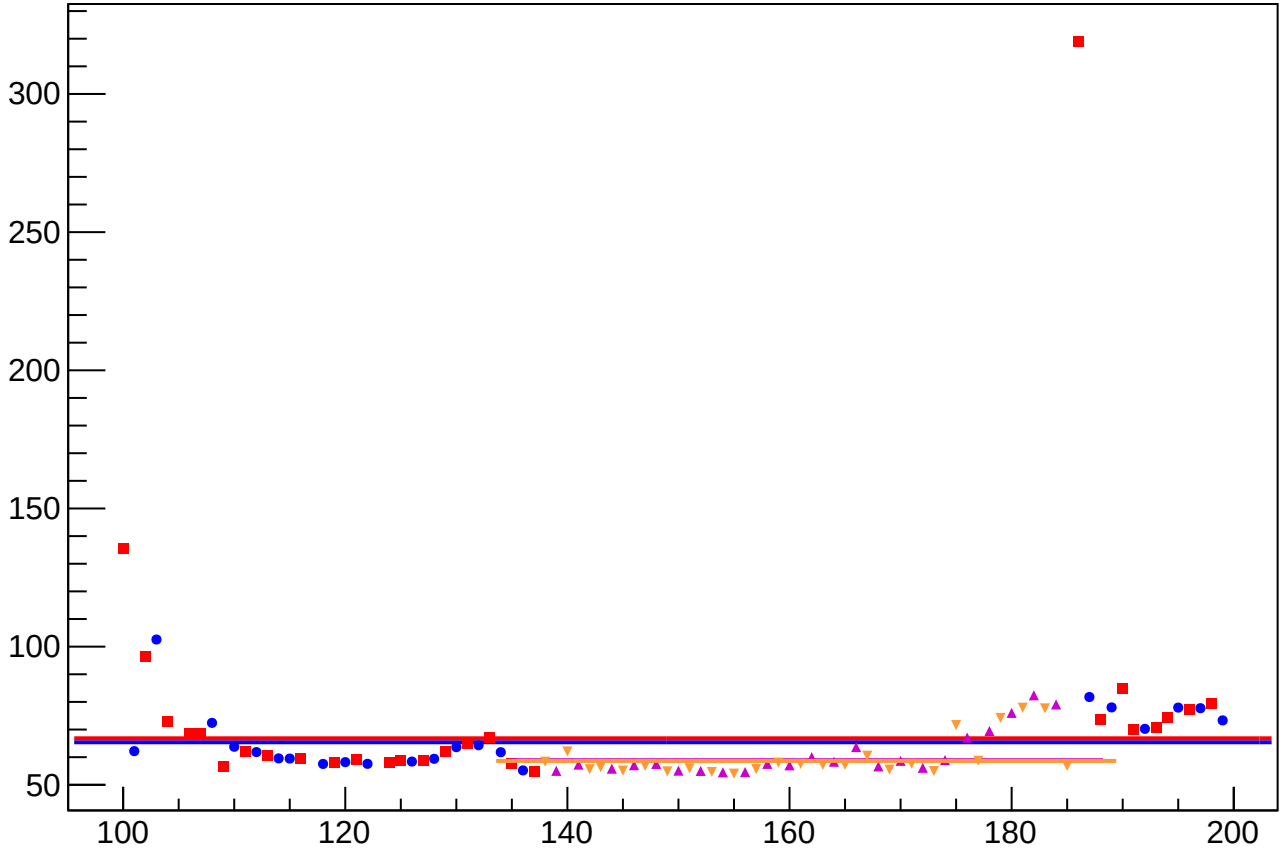
Right: -149.937+/-13.664 χ^2/NDF: 96.3/48

In: -187.784+/-11.297 χ^2/NDF:60.1/44

Out: -157.773+/-10.990 χ^2/NDF:104.3/51

All: -172.365+/-7.877 χ^2/NDF: 168.0/96

cor_asym_sam8_rms vs Slug, Sign Corrected



Right In: 65.398+/-0.014 χ^2/NDF: 467695.6/21

Left Out: 58.644+/-0.009 χ^2/NDF:393880.8/24

Right Out: 66.829+/-0.014 χ^2/NDF: 995967.0/26

Left In: 58.906+/-0.010 χ^2/NDF:386820.4/22

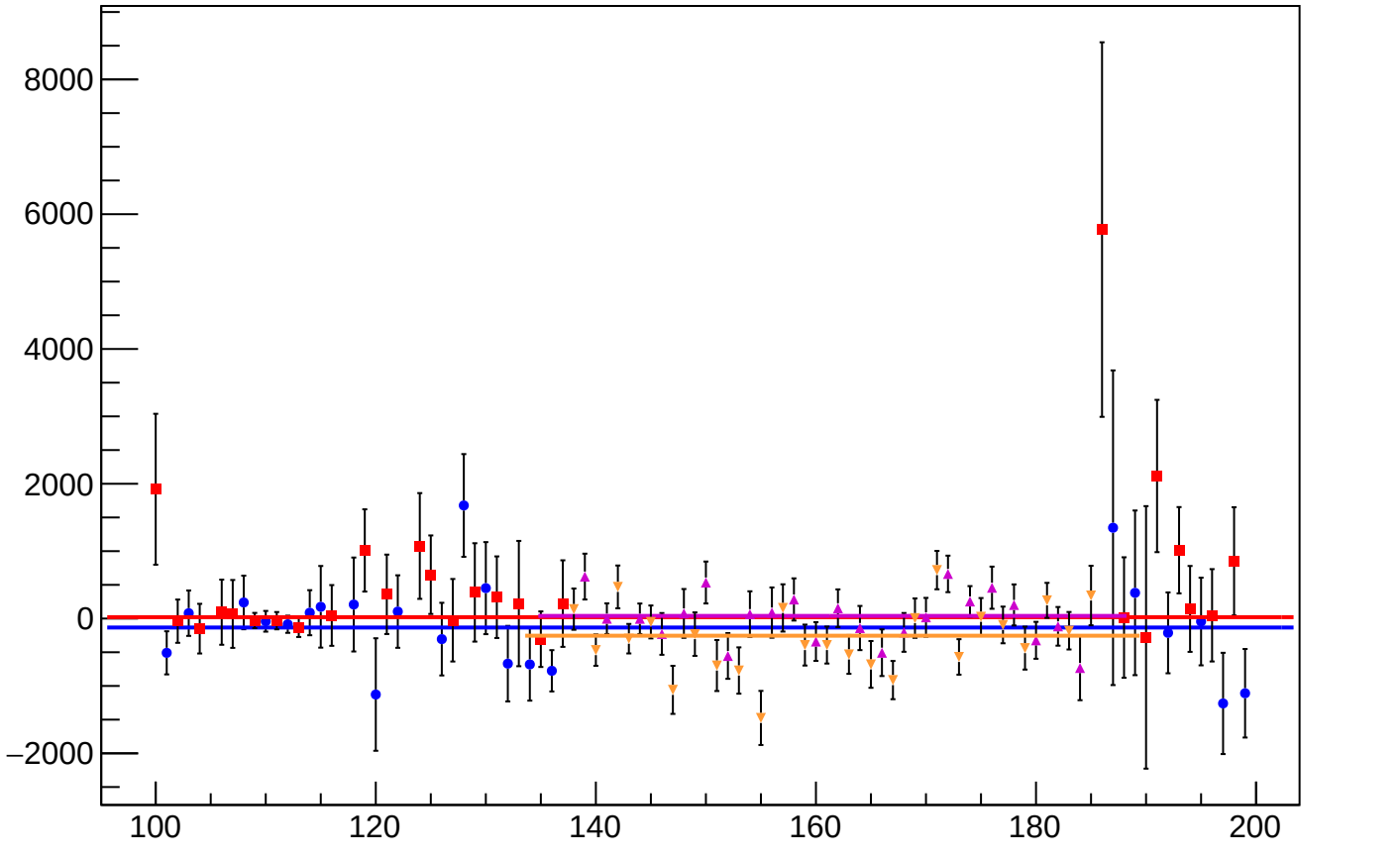
Left: 58.771+/-0.007 χ^2/NDF: 781071.0/47

Right: 66.126+/-0.010 χ^2/NDF: 1469141.0/48

In: 61.085+/-0.008 χ^2/NDF:1001772.8/44

Out: 61.339+/-0.008 χ^2/NDF:1634837.9/51

All: 61.215+/-0.006 χ^2/NDF: 2637129.5/96



Right In: -133.057+/-74.075 χ^2/NDF: 23.6/21

Left Out: -254.625+/-58.877 χ^2/NDF:57.6/24

Right Out: 20.538+/-62.683 χ^2/NDF: 23.0/26

Left In: 39.144+/-61.883 χ^2/NDF:28.3/22

Left: -115.050+/-42.655 χ^2/NDF: 97.8/47

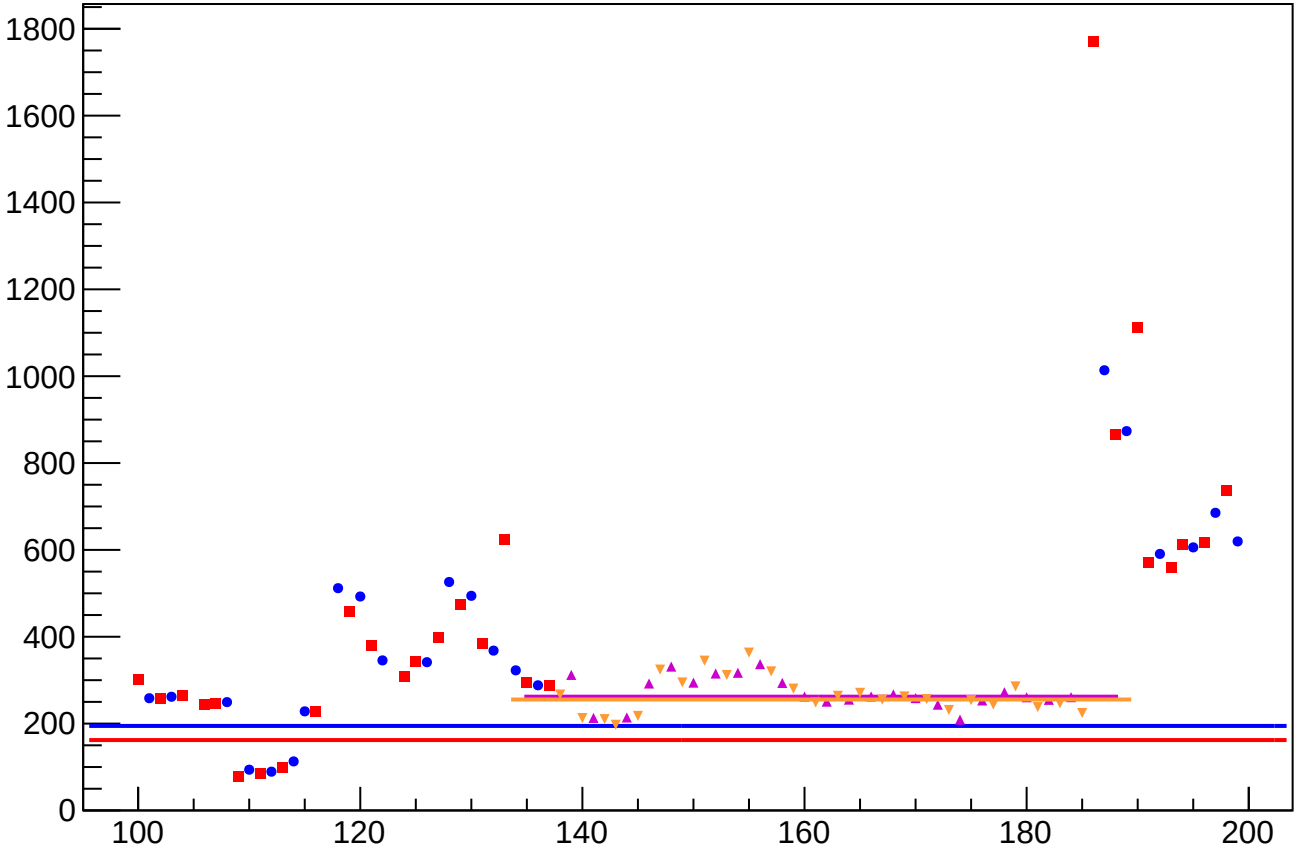
Right: -43.554+/-47.850 χ^2/NDF: 49.1/48

In: -31.638+/-47.491 χ^2/NDF:55.1/44

Out: -125.652+/-42.915 χ^2/NDF:90.9/51

All: -83.392+/-31.841 χ^2/NDF: 148.2/96

asym_sam8_cor_correction_rms vs Slug, Sign Corrected



Right In: 194.647+/-0.052 χ^2/NDF: 9006705.0/21

Left Out: 255.469+/-0.042 χ^2/NDF:863867.3/24

Right Out: 162.105+/-0.044 χ^2/NDF: 11715269.2/26

Left In: 262.007+/-0.044 χ^2/NDF:670574.8/22

Left: 258.576+/-0.030 χ^2/NDF: 1546159.5/47

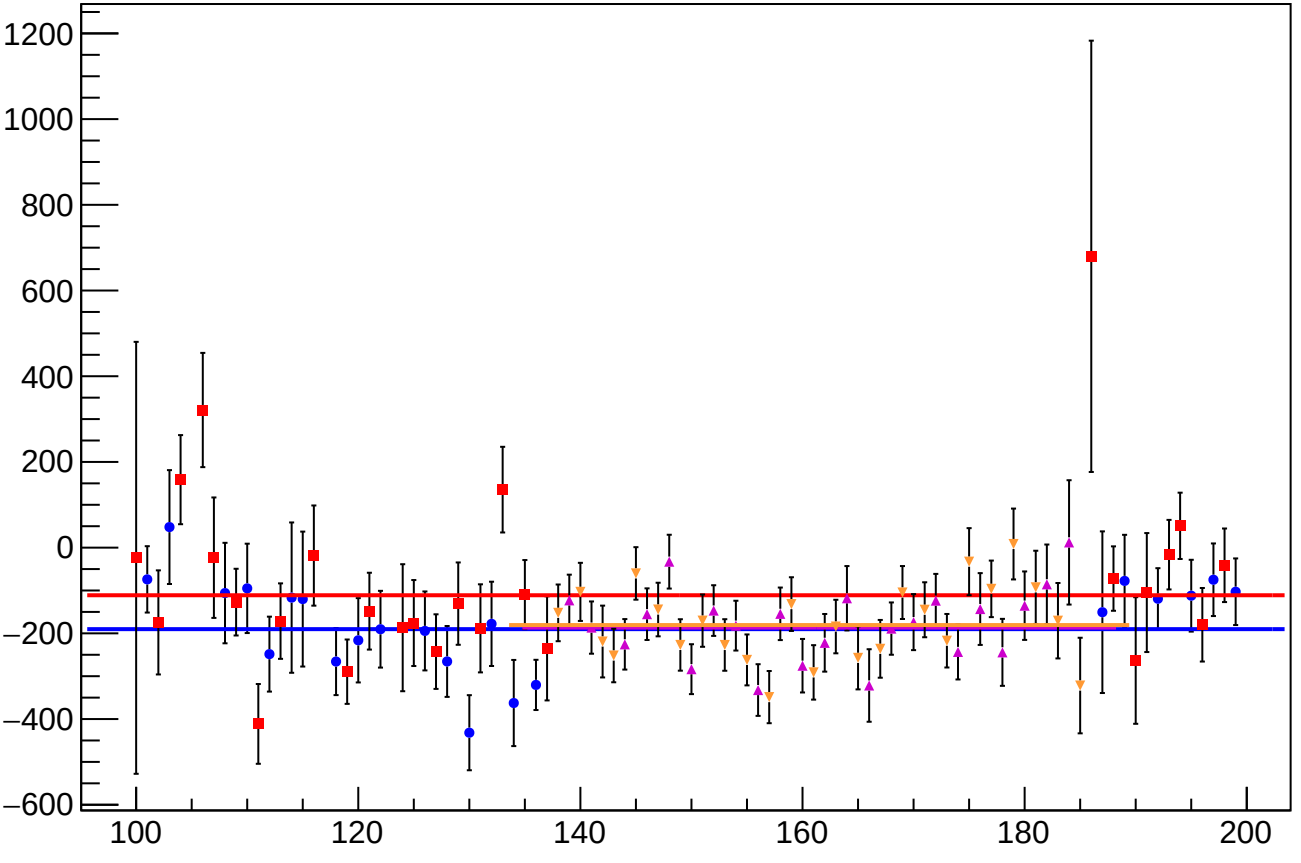
Right: 175.684+/-0.034 χ^2/NDF: 20946899.3/48

In: 234.319+/-0.034 χ^2/NDF:10651339.0/44

Out: 211.708+/-0.030 χ^2/NDF:14936447.9/51

All: 221.872+/-0.023 χ^2/NDF: 25837363.3/96

eigen_cor_asym_sam8_mean vs Slug, Sign Corrected



Right In: -190.193+/-19.501 χ^2/NDF: 31.1/21

Left Out: -180.680+/-13.419 χ^2/NDF:38.6/24

Right Out: -111.108+/-19.152 χ^2/NDF: 56.8/26

Left In: -186.567+/-13.860 χ^2/NDF:29.0/22

Left: -183.529+/-9.641 χ^2/NDF: 67.7/47

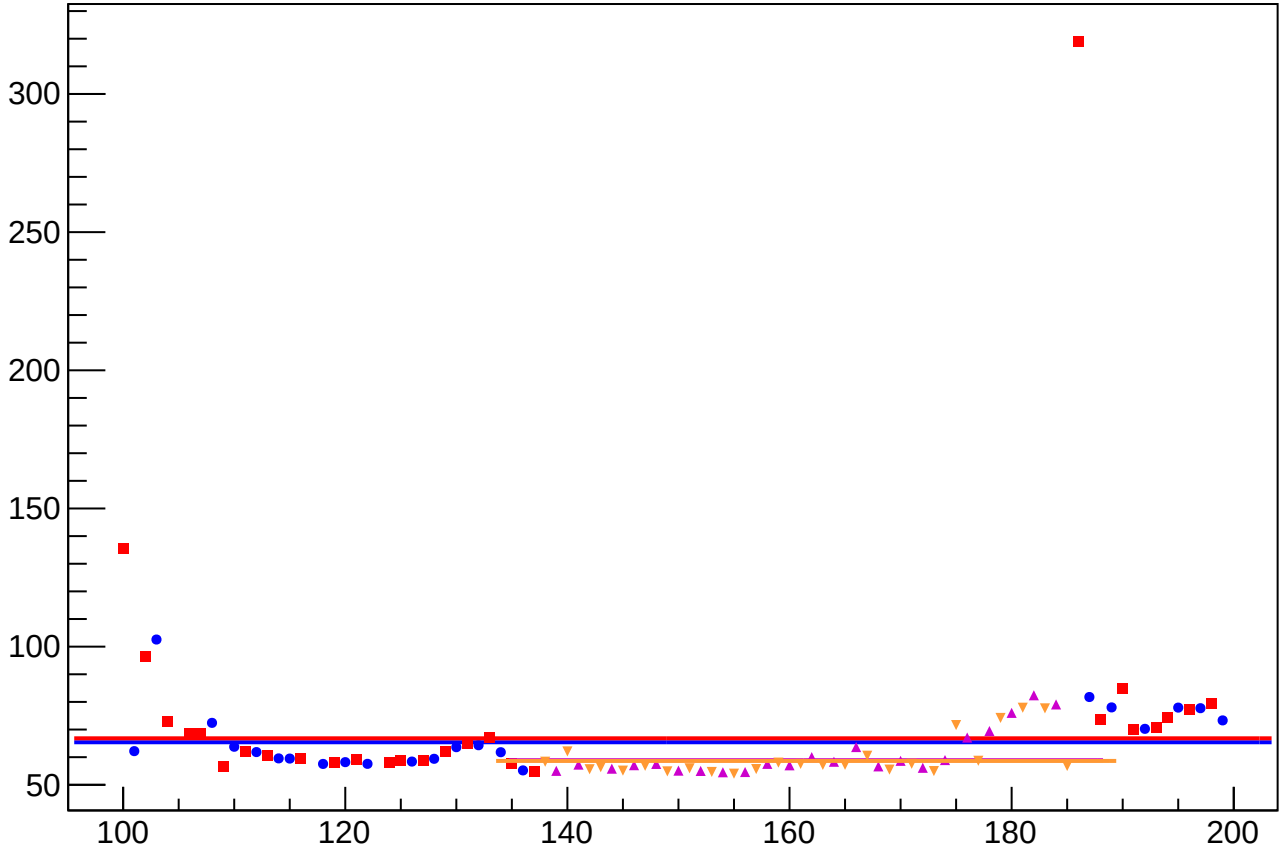
Right: -149.937+/-13.664 χ^2/NDF: 96.3/48

In: -187.784+/-11.297 χ^2/NDF:60.1/44

Out: -157.773+/-10.990 χ^2/NDF:104.3/51

All: -172.365+/-7.877 χ^2/NDF: 168.0/96

eigen_cor_asym_sam8_rms vs Slug, Sign Corrected



Right In: 65.398+/-0.014 χ^2/NDF: 467695.6/21

Left Out: 58.644+/-0.009 χ^2/NDF:393880.8/24

Right Out: 66.829+/-0.014 χ^2/NDF: 995967.0/26

Left In: 58.906+/-0.010 χ^2/NDF:386820.4/22

Left: 58.771+/-0.007 χ^2/NDF: 781071.0/47

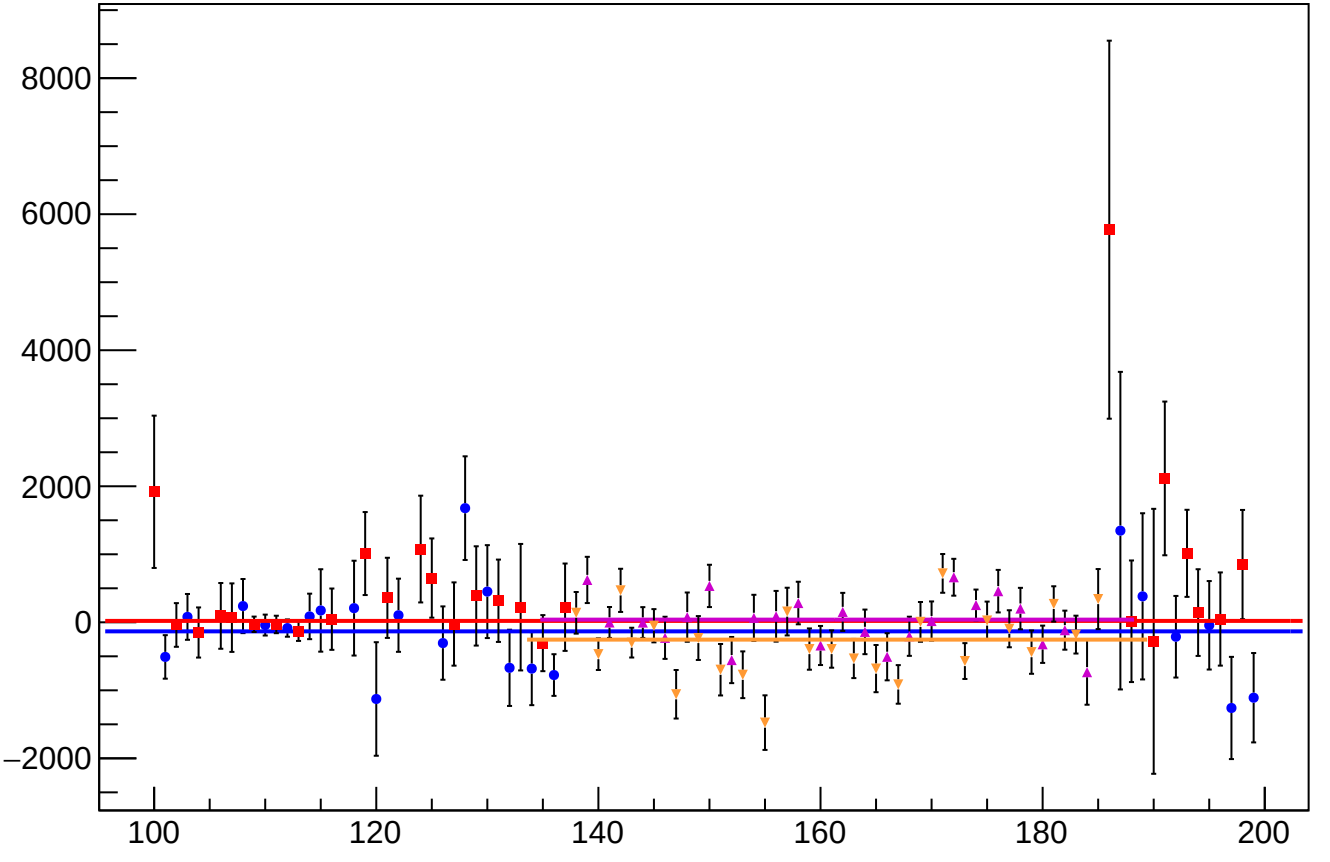
Right: 66.126+/-0.010 χ^2/NDF: 1469141.0/48

In: 61.085+/-0.008 χ^2/NDF:1001772.8/44

Out: 61.339+/-0.008 χ^2/NDF:1634837.9/51

All: 61.215+/-0.006 χ^2/NDF: 2637129.5/96

asym_sam8_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -133.057+/-74.075 χ^2/NDF: 23.6/21

Left Out: -254.625+/-58.877 χ^2/NDF:57.6/24

Right Out: 20.538+/-62.683 χ^2/NDF: 23.0/26

Left In: 39.144+/-61.883 χ^2/NDF:28.3/22

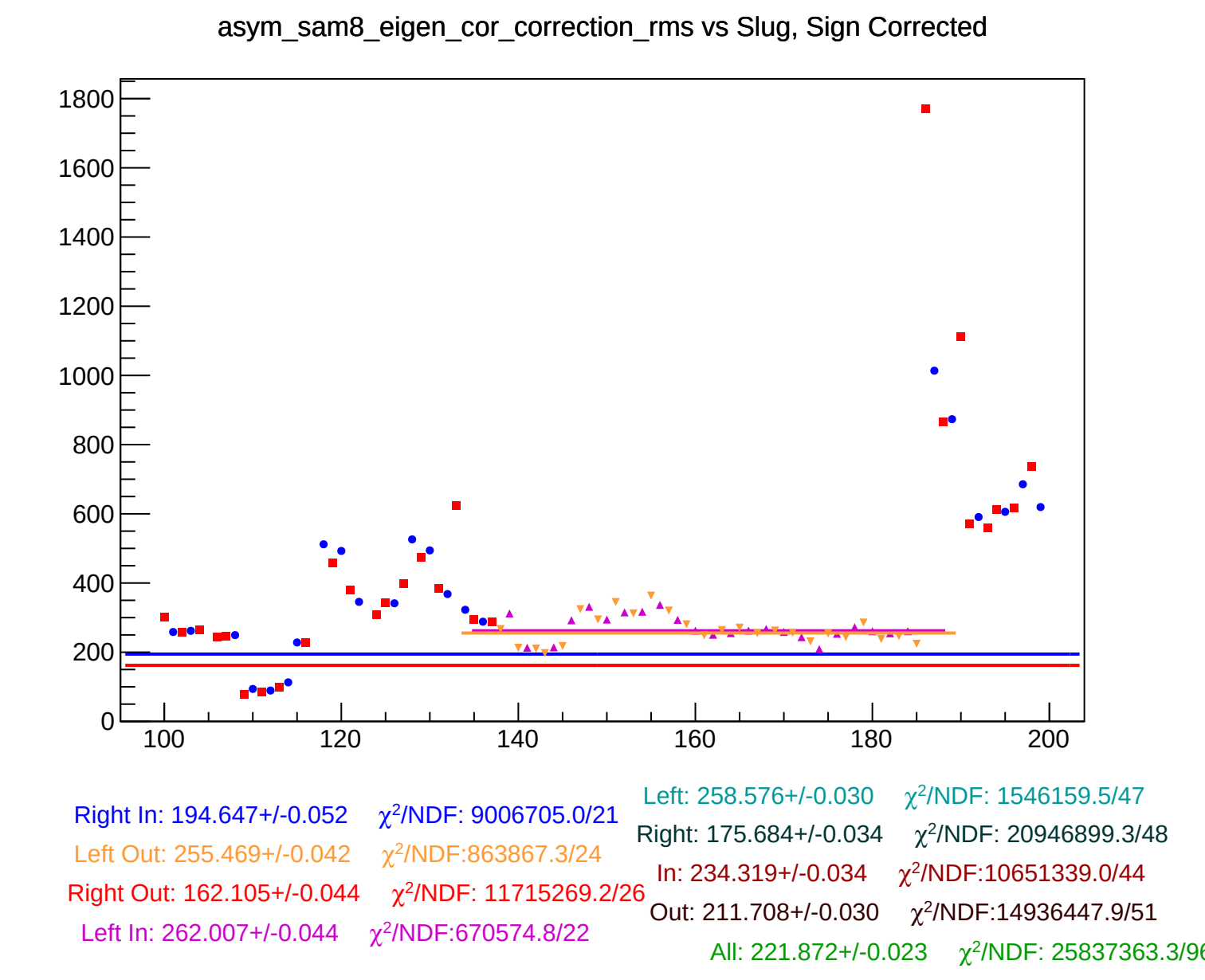
Left: -115.050+/-42.655 χ^2/NDF: 97.8/47

Right: -43.554+/-47.850 χ^2/NDF: 49.1/48

In: -31.638+/-47.491 χ^2/NDF:55.1/44

Out: -125.652+/-42.915 χ^2/NDF:90.9/51

All: -83.392+/-31.841 χ^2/NDF: 148.2/96


asym_sam8_eigen_cor_correction_rms vs Slug, Sign Corrected
1800
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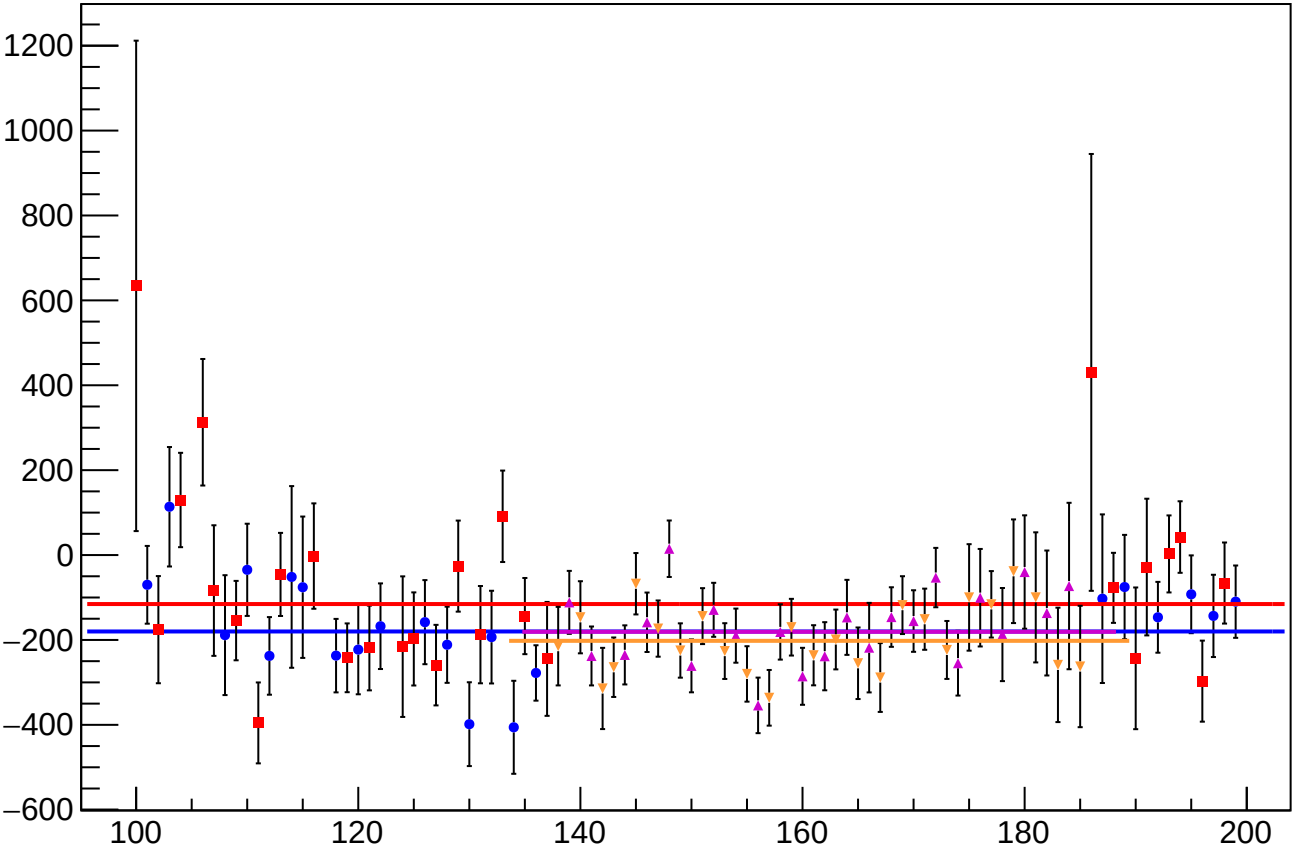
100
120
140
160
180
200
Right In: 194.647+/-0.052 χ²/NDF: 9006705.0/21
Left Out: 255.469+/-0.042 χ²/NDF:863867.3/24
Right Out: 162.105+/-0.044 χ²/NDF: 11715269.2/26
Left In: 262.007+/-0.044 χ²/NDF:670574.8/22
Left: 258.576+/-0.030 χ²/NDF: 1546159.5/47
Right: 175.684+/-0.034 χ²/NDF: 20946899.3/48
In: 234.319+/-0.034 χ²/NDF:10651339.0/44
Out: 211.708+/-0.030 χ²/NDF:14936447.9/51
All: 221.872+/-0.023 χ²/NDF: 25837363.3/96

dit_asym_sam8_mean vs Slug, Sign Corrected



Right In: -180.024+/-21.650 χ^2/NDF: 23.7/21

Left Out: -202.090+/-15.538 χ^2/NDF:21.5/24

Right Out: -115.415+/-21.098 χ^2/NDF: 49.1/26

Left In: -180.784+/-16.019 χ^2/NDF:30.1/22

Left: -191.762+/-11.153 χ^2/NDF: 52.6/47

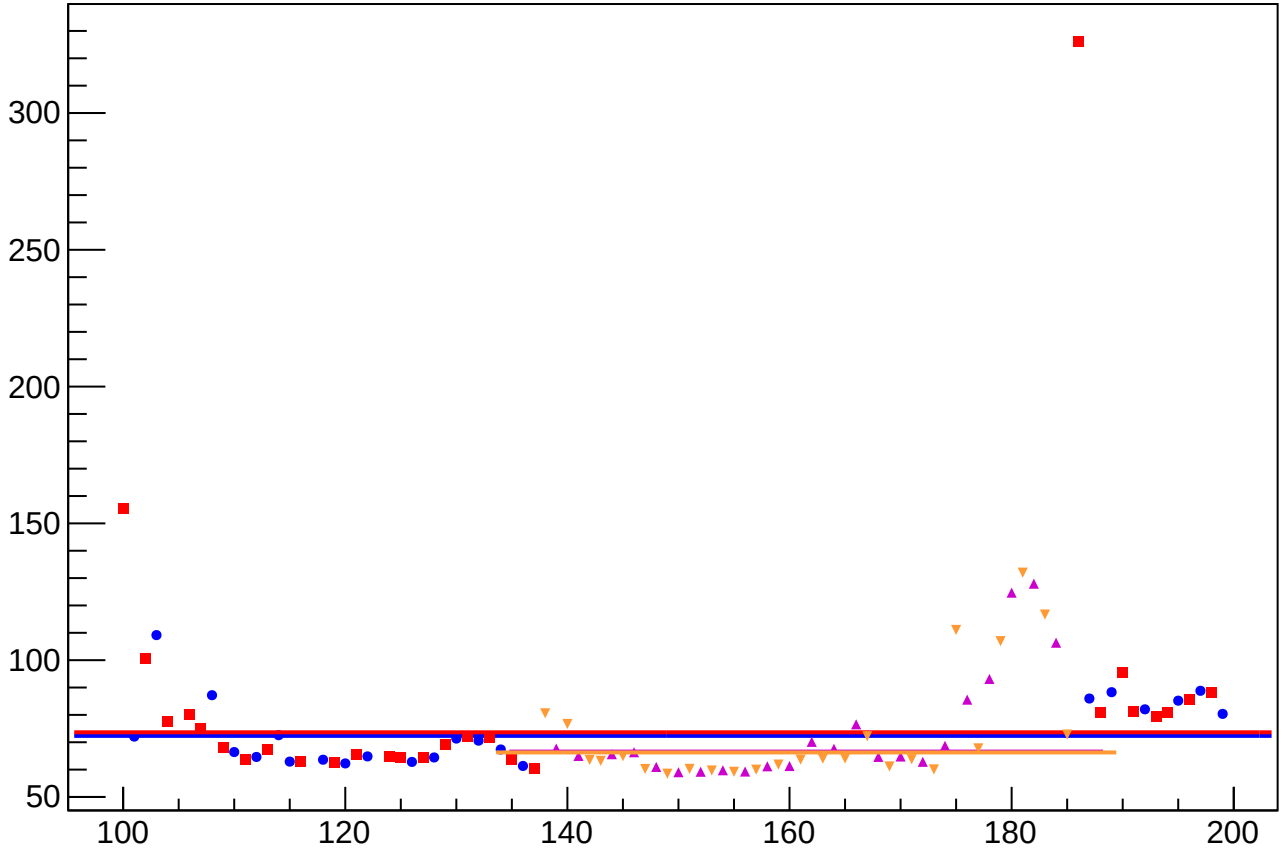
Right: -146.885+/-15.110 χ^2/NDF: 77.3/48

In: -180.515+/-12.877 χ^2/NDF:53.8/44

Out: -171.610+/-12.511 χ^2/NDF:81.5/51

All: -175.934+/-8.973 χ^2/NDF: 135.6/96

dit_asym_sam8_rms vs Slug, Sign Corrected



Right In: 72.331+/-0.015 χ^2/NDF: 516241.1/21

Left Out: 66.279+/-0.011 χ^2/NDF:1393879.2/24

Right Out: 73.637+/-0.015 χ^2/NDF: 961994.0/26

Left In: 66.585+/-0.011 χ^2/NDF:1158238.0/22

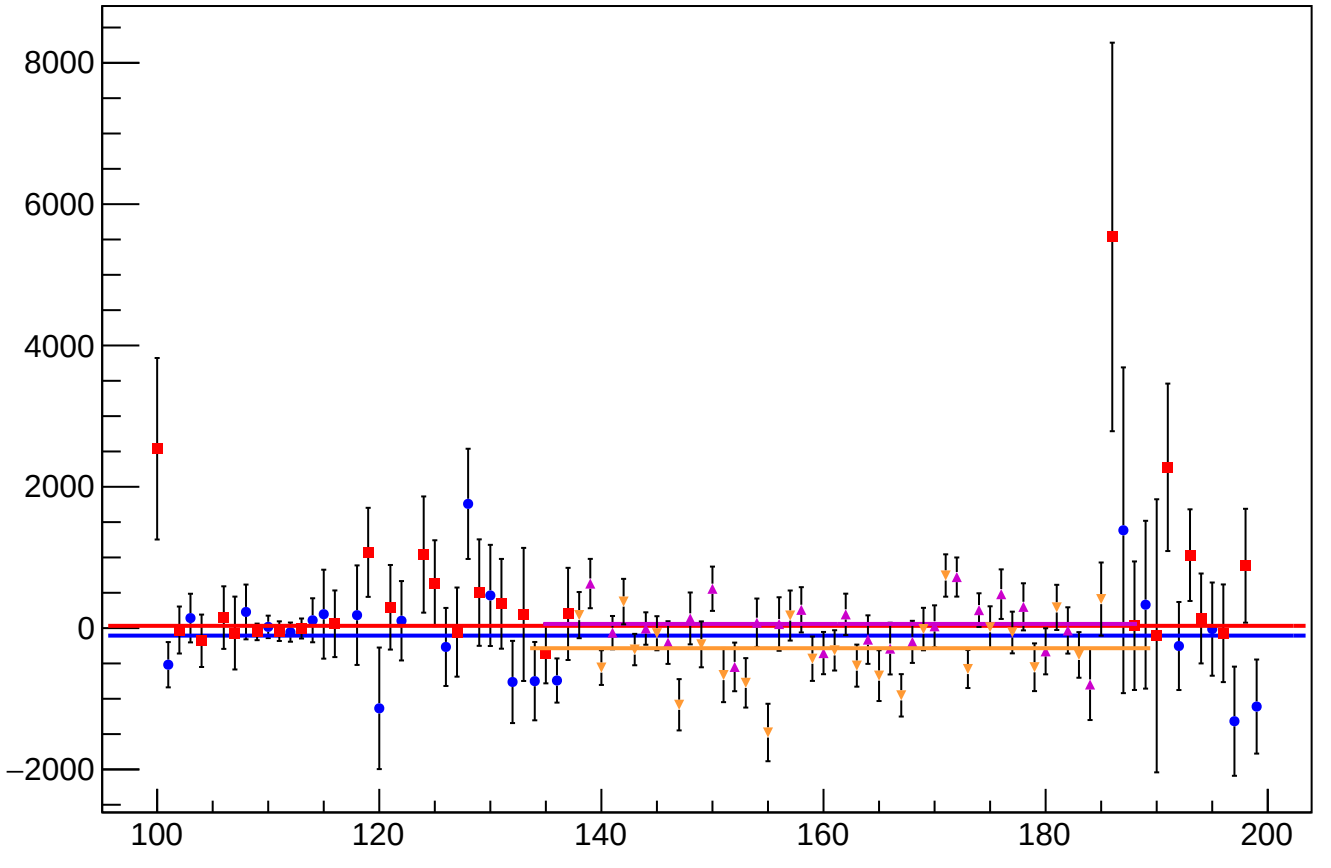
Left: 66.427+/-0.008 χ^2/NDF: 2552494.2/47

Right: 73.001+/-0.011 χ^2/NDF: 1481967.4/48

In: 68.618+/-0.009 χ^2/NDF:1765505.5/44

Out: 68.866+/-0.009 χ^2/NDF:2513586.4/51

All: 68.746+/-0.006 χ^2/NDF: 4279474.7/96



Right In: -106.195+/-76.414 χ^2/NDF: 24.7/21

Left Out: -284.450+/-61.727 χ^2/NDF:54.6/24

Right Out: 32.197+/-64.416 χ^2/NDF: 23.3/26

Left In: 59.160+/-64.636 χ^2/NDF:26.8/22

Left: -120.551+/-44.641 χ^2/NDF: 96.2/47

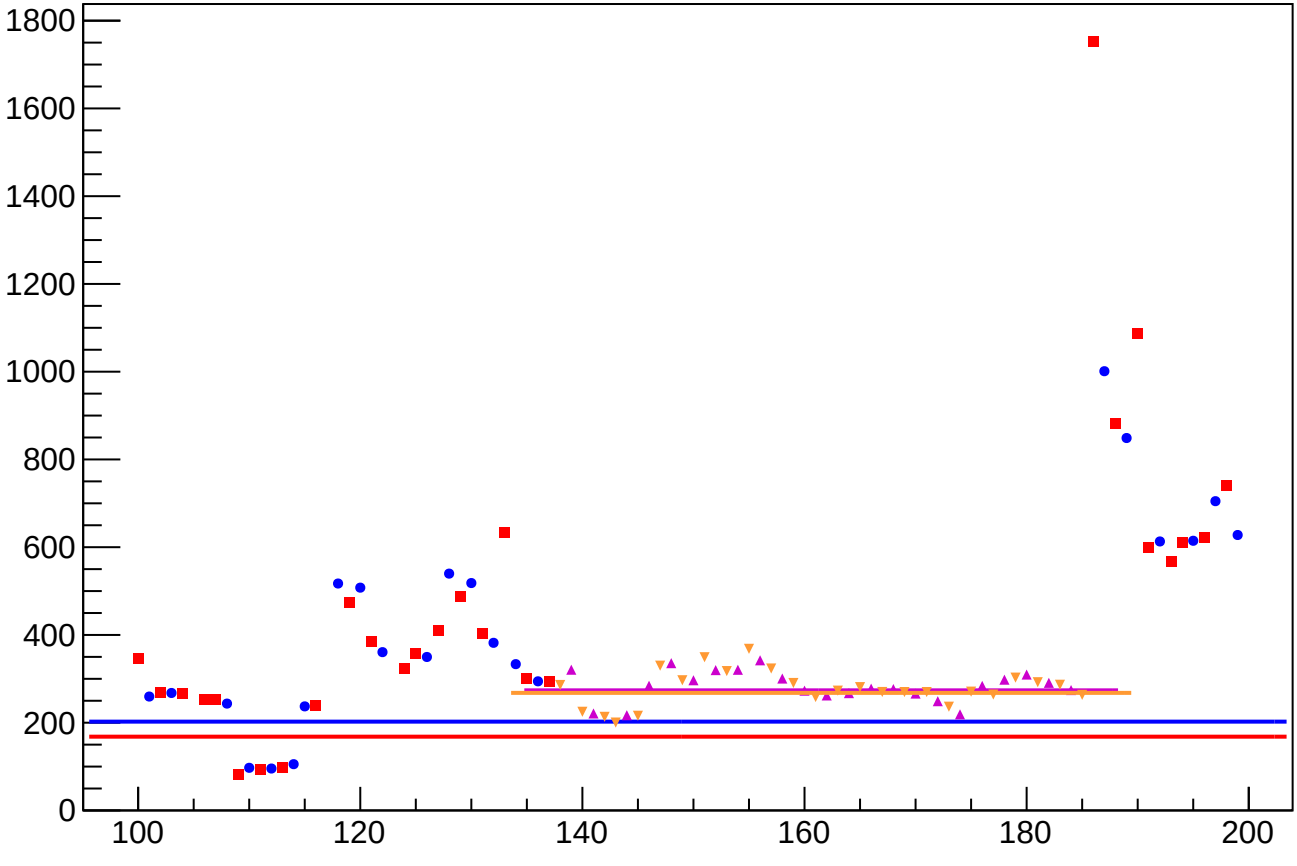
Right: -25.294+/-49.251 χ^2/NDF: 49.9/48

In: -9.805+/-49.350 χ^2/NDF:54.2/44

Out: -132.873+/-44.568 χ^2/NDF:90.6/51

All: -77.588+/-33.076 χ^2/NDF: 148.2/96

asym_sam8_dit_correction_rms vs Slug, Sign Corrected



Right In: 202.433+/-0.054 χ^2/NDF: 8815730.3/21

Left Out: 267.985+/-0.044 χ^2/NDF:862786.9/24

Right Out: 168.167+/-0.046 χ^2/NDF: 11605283.2/26

Left In: 273.751+/-0.046 χ^2/NDF:650295.5/22

Left: 270.736+/-0.032 χ^2/NDF: 1521404.4/47

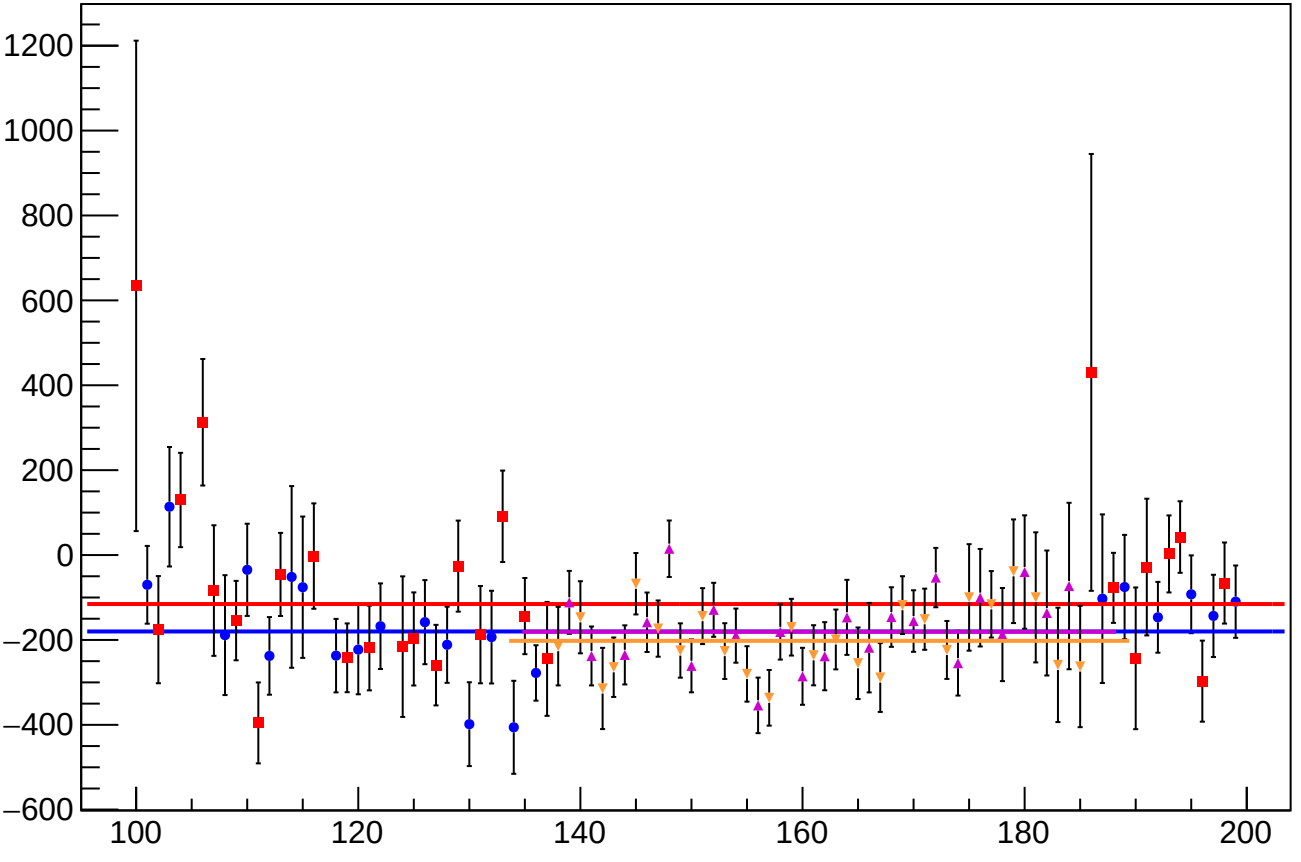
Right: 182.402+/-0.035 χ^2/NDF: 20656113.9/48

In: 244.006+/-0.035 χ^2/NDF:10481545.1/44

Out: 220.203+/-0.032 χ^2/NDF:14971613.0/51

All: 230.896+/-0.023 χ^2/NDF: 25709432.3/96

eigen_dit_asym_sam8_mean vs Slug, Sign Corrected



Right In: -180.024+/-21.650 χ^2/NDF: 23.7/21

Left Out: -202.090+/-15.538 χ^2/NDF:21.5/24

Right Out: -115.416+/-21.097 χ^2/NDF: 49.1/26

Left In: -180.785+/-16.019 χ^2/NDF:30.1/22

Left: -191.762+/-11.153 χ^2/NDF: 52.6/47

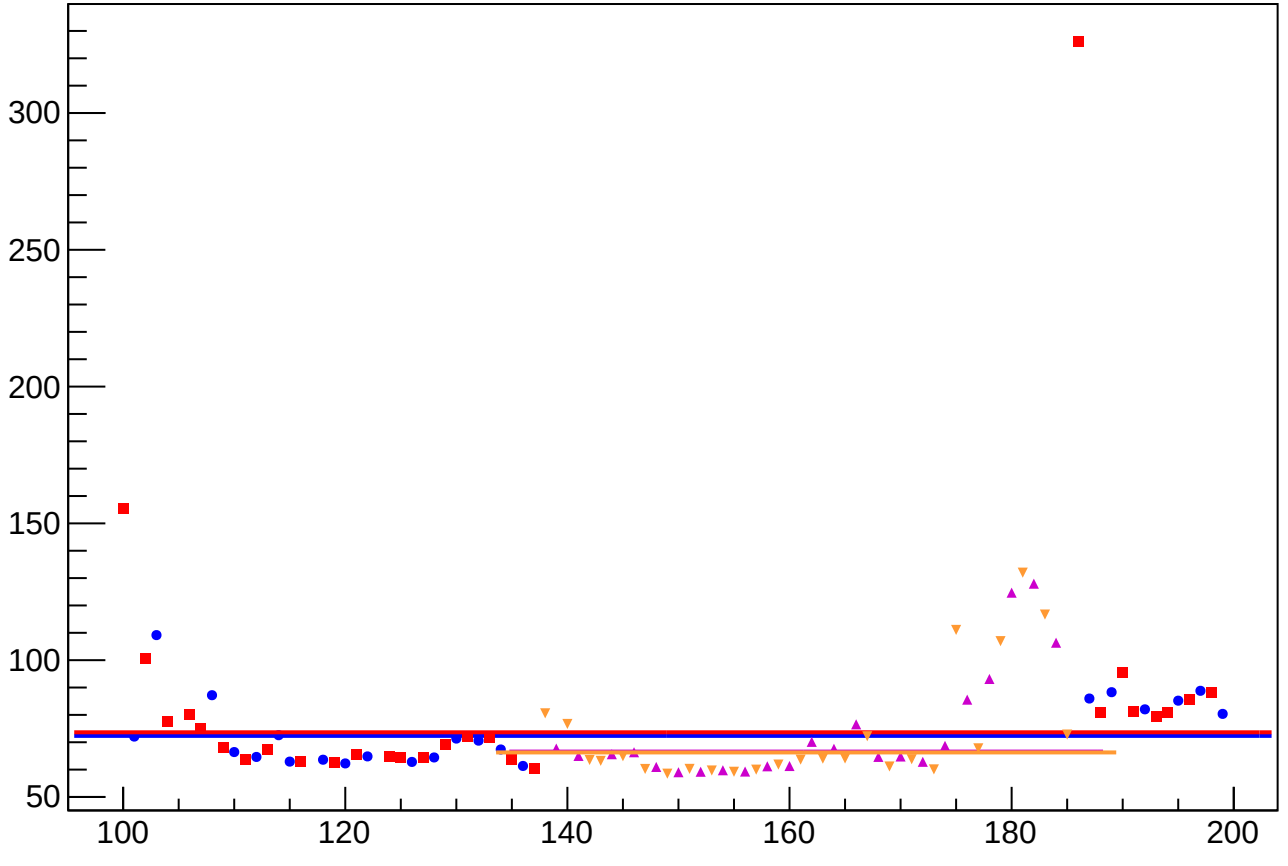
Right: -146.886+/-15.110 χ^2/NDF: 77.3/48

In: -180.516+/-12.877 χ^2/NDF:53.8/44

Out: -171.610+/-12.511 χ^2/NDF:81.5/51

All: -175.934+/-8.973 χ^2/NDF: 135.6/96

eigen_dit_asym_sam8_rms vs Slug, Sign Corrected



Right In: 72.331+/-0.015 χ^2/NDF: 516243.9/21

Left Out: 66.279+/-0.011 χ^2/NDF:1393881.3/24

Right Out: 73.637+/-0.015 χ^2/NDF: 961998.1/26

Left In: 66.585+/-0.011 χ^2/NDF:1158231.7/22

Left: 66.428+/-0.008 χ^2/NDF: 2552490.1/47

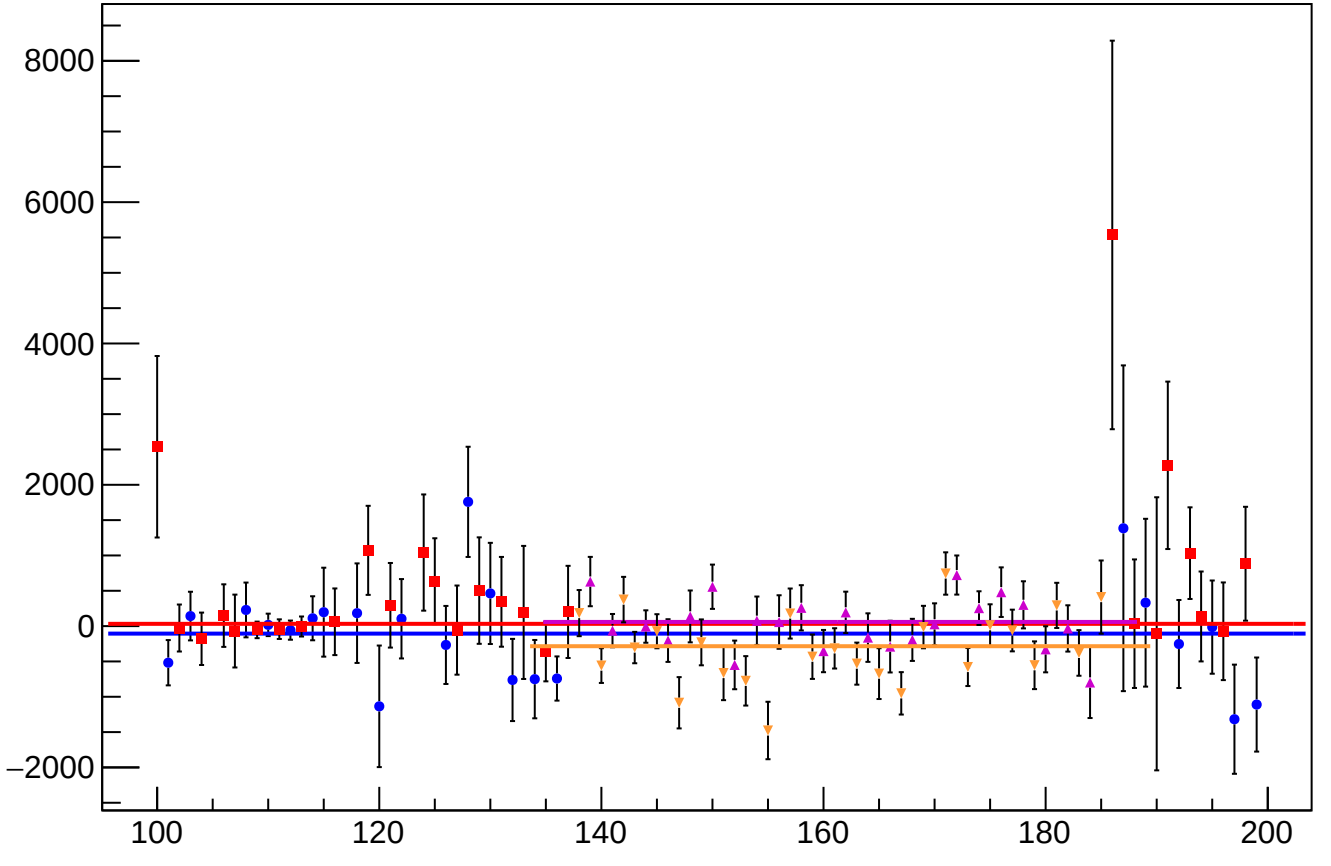
Right: 73.001+/-0.011 χ^2/NDF: 1481974.1/48

In: 68.618+/-0.009 χ^2/NDF:1765495.7/44

Out: 68.866+/-0.009 χ^2/NDF:2513583.2/51

All: 68.746+/-0.006 χ^2/NDF: 4279461.6/96

asym_sam8_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -106.193+/-76.414 χ^2/NDF: 24.7/21

Left Out: -284.450+/-61.727 χ^2/NDF:54.6/24

Right Out: 32.195+/-64.416 χ^2/NDF: 23.3/26

Left In: 59.160+/-64.636 χ^2/NDF:26.8/22

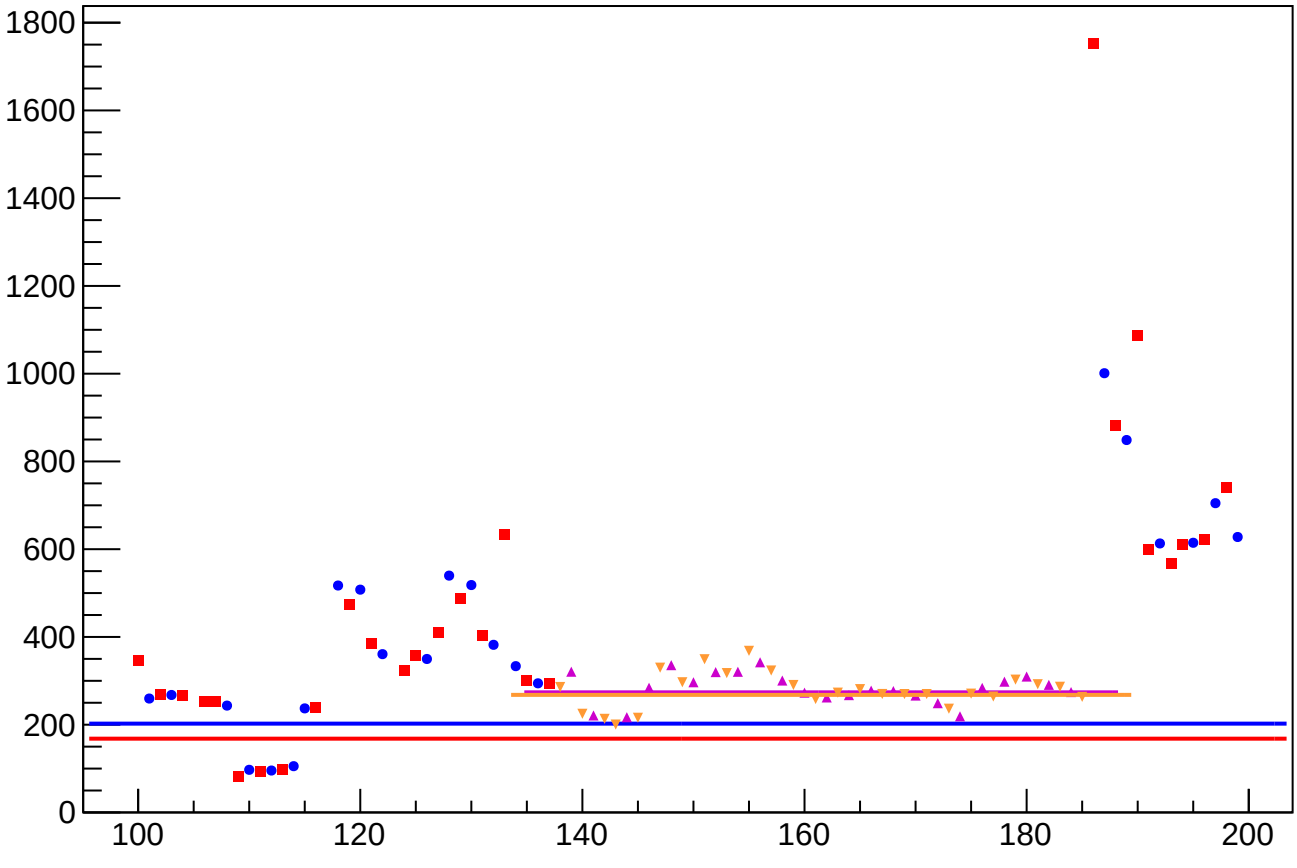
Left: -120.551+/-44.641 χ^2/NDF: 96.2/47

Right: -25.294+/-49.251 χ^2/NDF: 49.9/48

In: -9.805+/-49.349 χ^2/NDF:54.2/44

Out: -132.873+/-44.568 χ^2/NDF:90.6/51

All: -77.588+/-33.076 χ^2/NDF: 148.2/96


asym_sam8_eigen_dit_correction_rms vs Slug, Sign Corrected
1800
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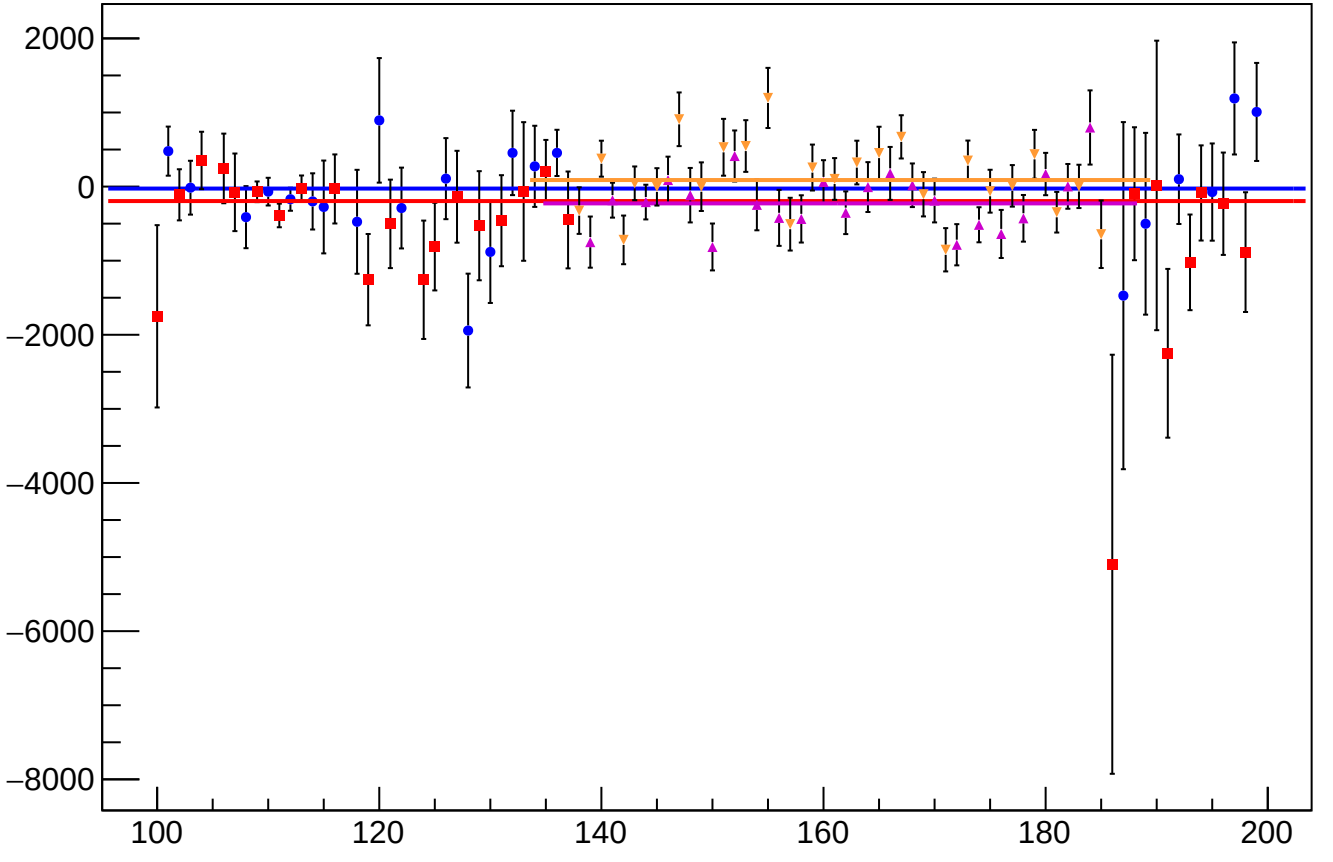
0
100
120
140
160
180
200
Right In: 202.431+/-0.054 χ²/NDF: 8815772.2/21
Left Out: 267.985+/-0.044 χ²/NDF:862797.1/24
Right Out: 168.167+/-0.046 χ²/NDF: 11605263.6/26
Left In: 273.750+/-0.046 χ²/NDF:650300.9/22
Left: 270.735+/-0.032 χ²/NDF: 1521420.2/47
Right: 182.401+/-0.035 χ²/NDF: 20656121.6/48
In: 244.004+/-0.035 χ²/NDF:10481621.3/44
Out: 220.202+/-0.032 χ²/NDF:14971589.6/51
All: 230.895+/-0.023 χ²/NDF: 25709472.8/96

asym_sam8_mean vs Slug, Sign Corrected



Right In: -26.673+/-83.802 χ^2/NDF: 23.1/21

Left Out: 88.397+/-60.666 χ^2/NDF:52.2/24

Right Out: -195.417+/-72.442 χ^2/NDF: 24.3/26

Left In: -226.867+/-63.677 χ^2/NDF:28.8/22

Left: -61.606+/-43.923 χ^2/NDF: 93.9/47

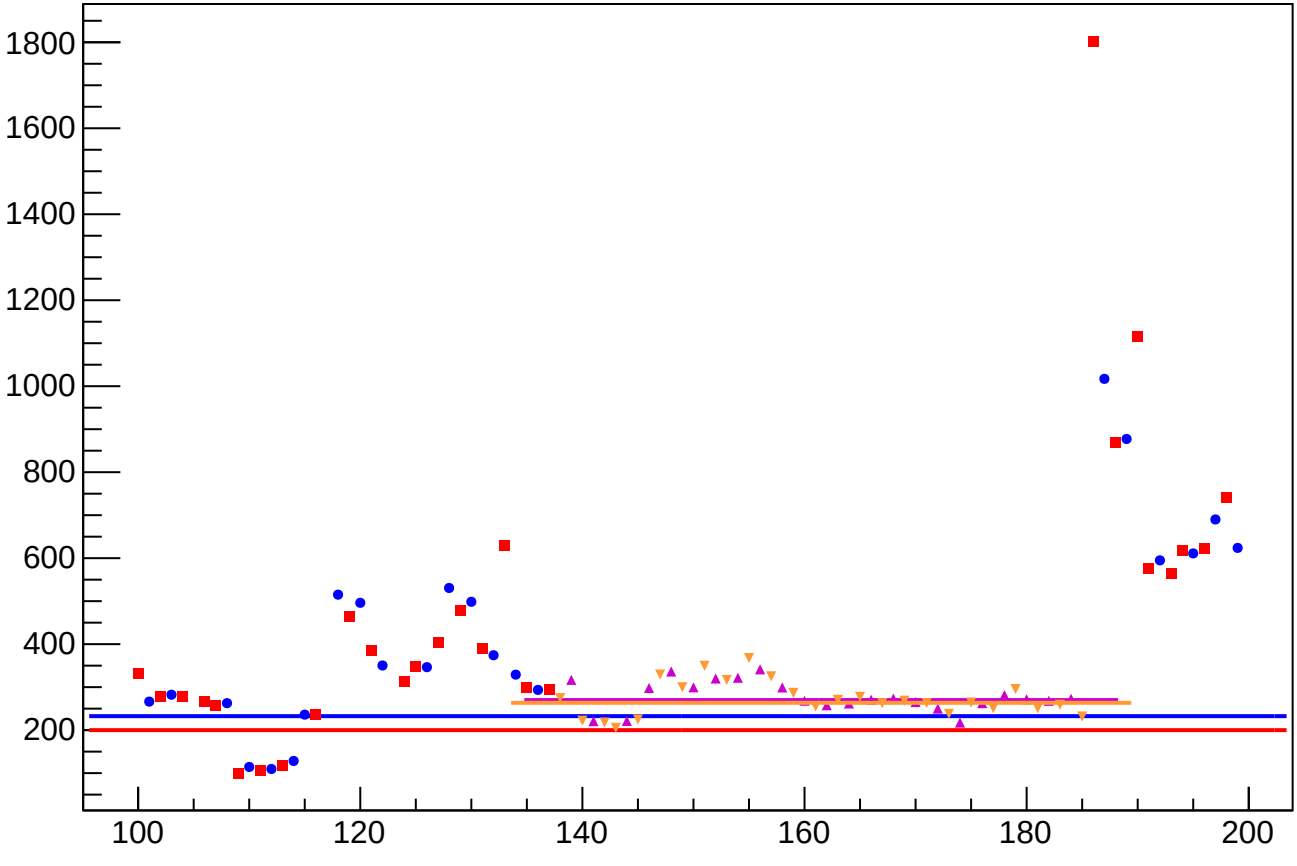
Right: -123.250+/-54.804 χ^2/NDF: 49.7/48

In: -153.590+/-50.701 χ^2/NDF:55.6/44

Out: -28.596+/-46.511 χ^2/NDF:85.5/51

All: -85.716+/-34.274 χ^2/NDF: 144.4/96

asym_sam8_rms vs Slug, Sign Corrected



Right In: 232.537+/-0.059 χ^2/NDF: 7424405.9/21

Left Out: 263.593+/-0.043 χ^2/NDF:779853.4/24

Right Out: 199.983+/-0.051 χ^2/NDF: 10030401.1/26

Left In: 269.898+/-0.045 χ^2/NDF:602244.3/22

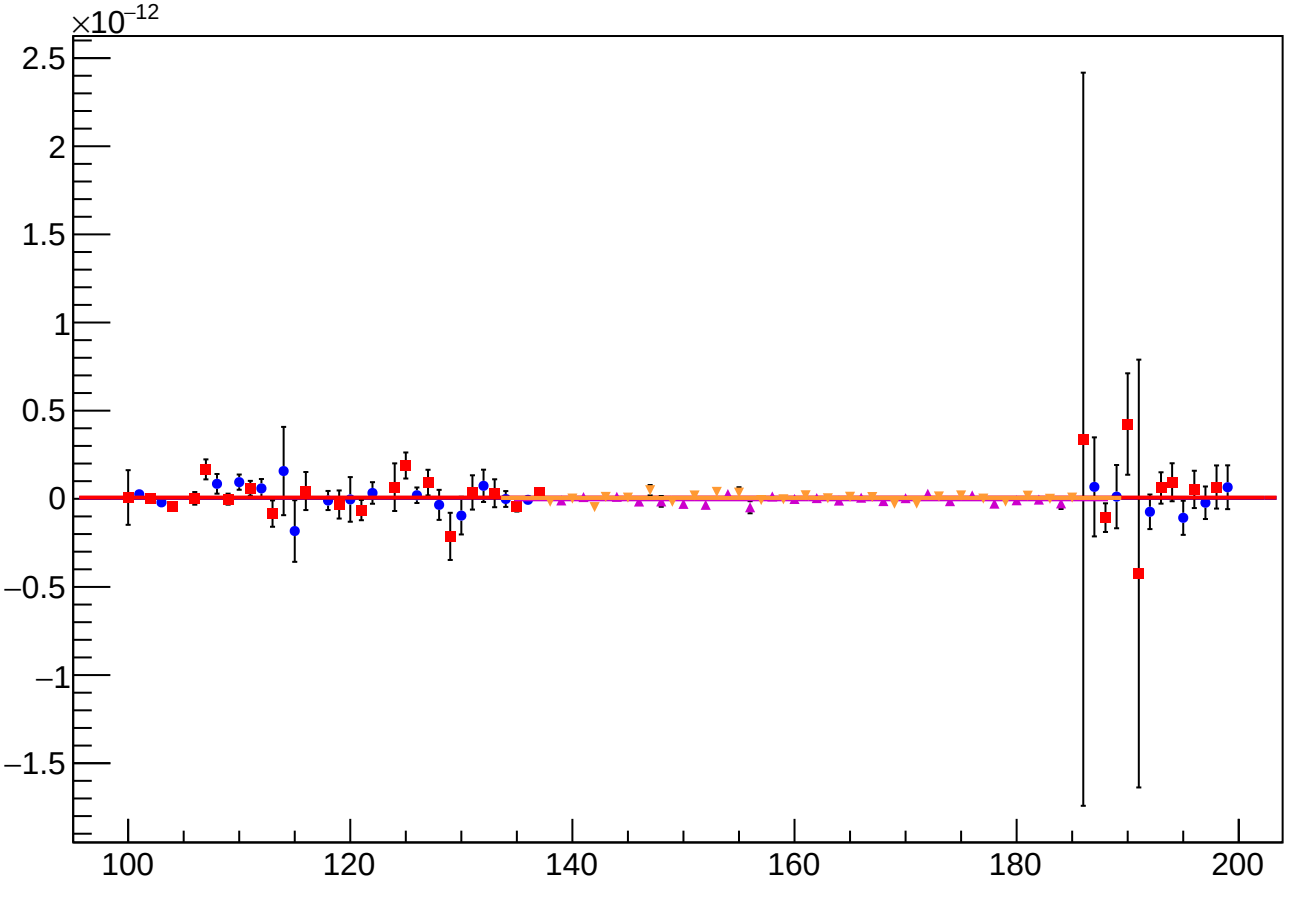
Left: 266.593+/-0.031 χ^2/NDF: 1392375.9/47

Right: 213.905+/-0.039 χ^2/NDF: 17627540.2/48

In: 256.223+/-0.036 χ^2/NDF:8278655.8/44

Out: 237.372+/-0.033 χ^2/NDF:11716641.8/51

All: 245.986+/-0.024 χ^2/NDF: 20145432.3/96



Right In: 0.000+/-0.000 χ^2/NDF: 16.2/21

Left Out: 0.000+/-0.000 χ^2/NDF:27.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 36.2/26

Left In: -0.000+/-0.000 χ^2/NDF:21.5/22

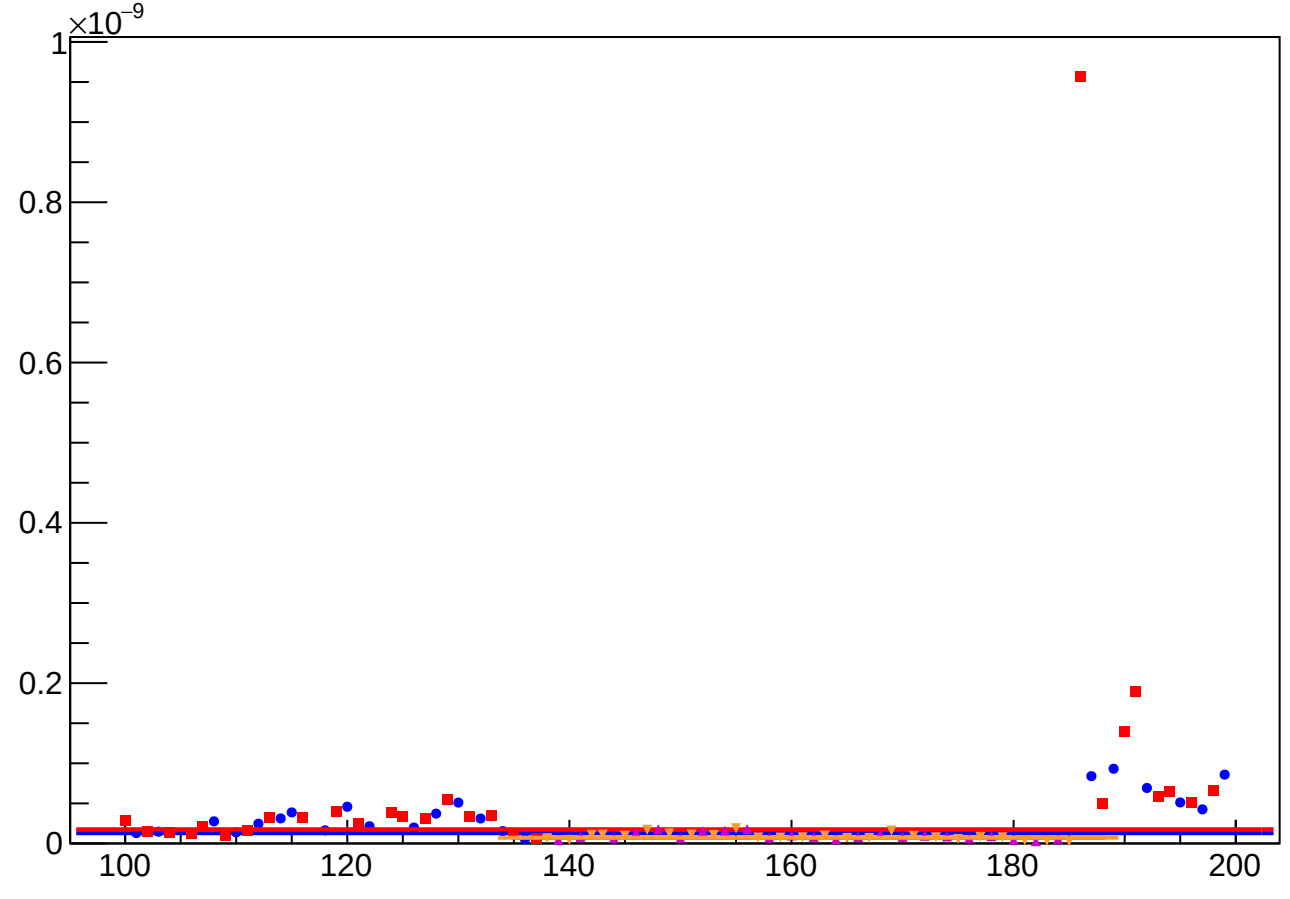
Left: 0.000+/-0.000 χ^2/NDF: 52.6/47

Right: 0.000+/-0.000 χ^2/NDF: 52.4/48

In: -0.000+/-0.000 χ^2/NDF:38.5/44

Out: 0.000+/-0.000 χ^2/NDF:64.1/51

All: 0.000+/-0.000 χ^2/NDF: 105.4/96



Right In: 0.000+/-0.000 χ^2/NDF: 4259052.3/21

Left Out: 0.000+/-0.000 χ^2/NDF:1952087.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3969817.0/26

Left In: 0.000+/-0.000 χ^2/NDF:2053049.9/22

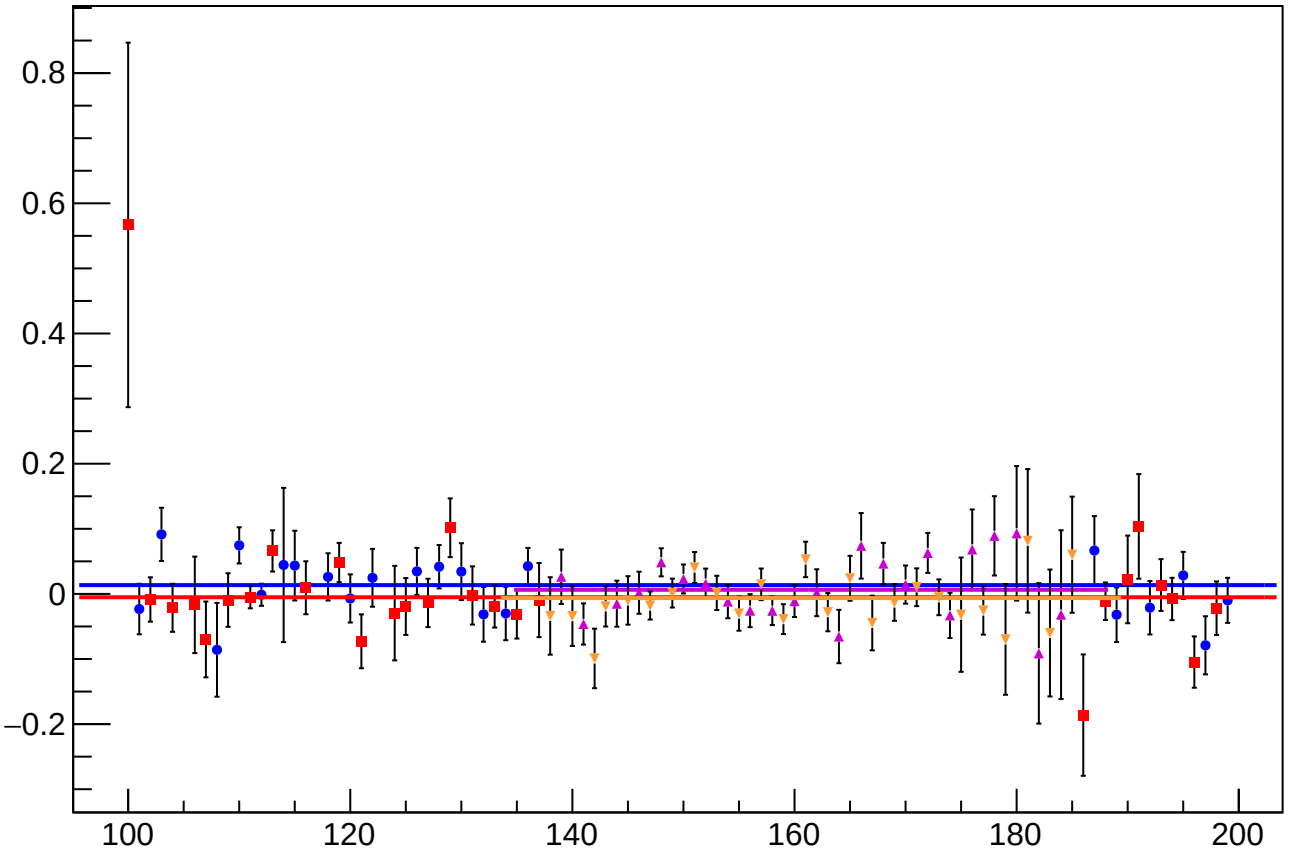
Left: 0.000+/-0.000 χ^2/NDF: 4005568.1/47

Right: 0.000+/-0.000 χ^2/NDF: 8529710.6/48

In: 0.000+/-0.000 χ^2/NDF:7164509.8/44

Out: 0.000+/-0.000 χ^2/NDF:8016160.9/51

All: 0.000+/-0.000 χ^2/NDF: 15186290.2/96



Right In: 0.014+/-0.008 χ^2/NDF: 25.3/21

Left Out: -0.006+/-0.006 χ^2/NDF:22.6/24

Right Out: -0.005+/-0.007 χ^2/NDF: 35.8/26

Left In: 0.006+/-0.007 χ^2/NDF:28.4/22

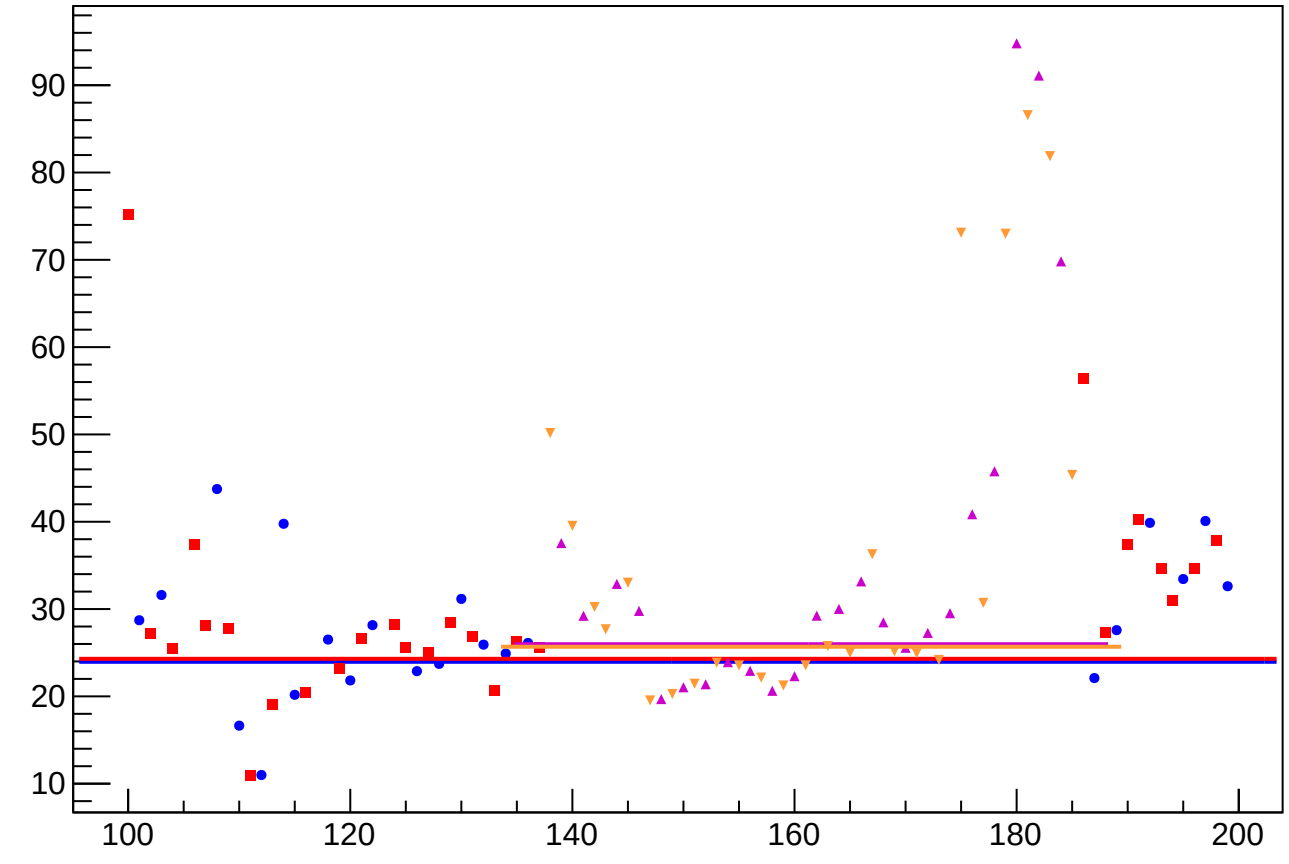
Left: -0.000+/-0.005 χ^2/NDF: 52.9/47

Right: 0.004+/-0.005 χ^2/NDF: 64.2/48

In: 0.009+/-0.005 χ^2/NDF:54.3/44

Out: -0.006+/-0.005 χ^2/NDF:58.4/51

All: 0.001+/-0.003 χ^2/NDF: 117.4/96



Right In: 23.961+/-0.005 χ^2/NDF: 2549541.8/21

Left Out: 25.685+/-0.005 χ^2/NDF:3871541.1/24

Right Out: 24.301+/-0.005 χ^2/NDF: 2535471.3/26

Left In: 25.972+/-0.005 χ^2/NDF:3118335.6/22

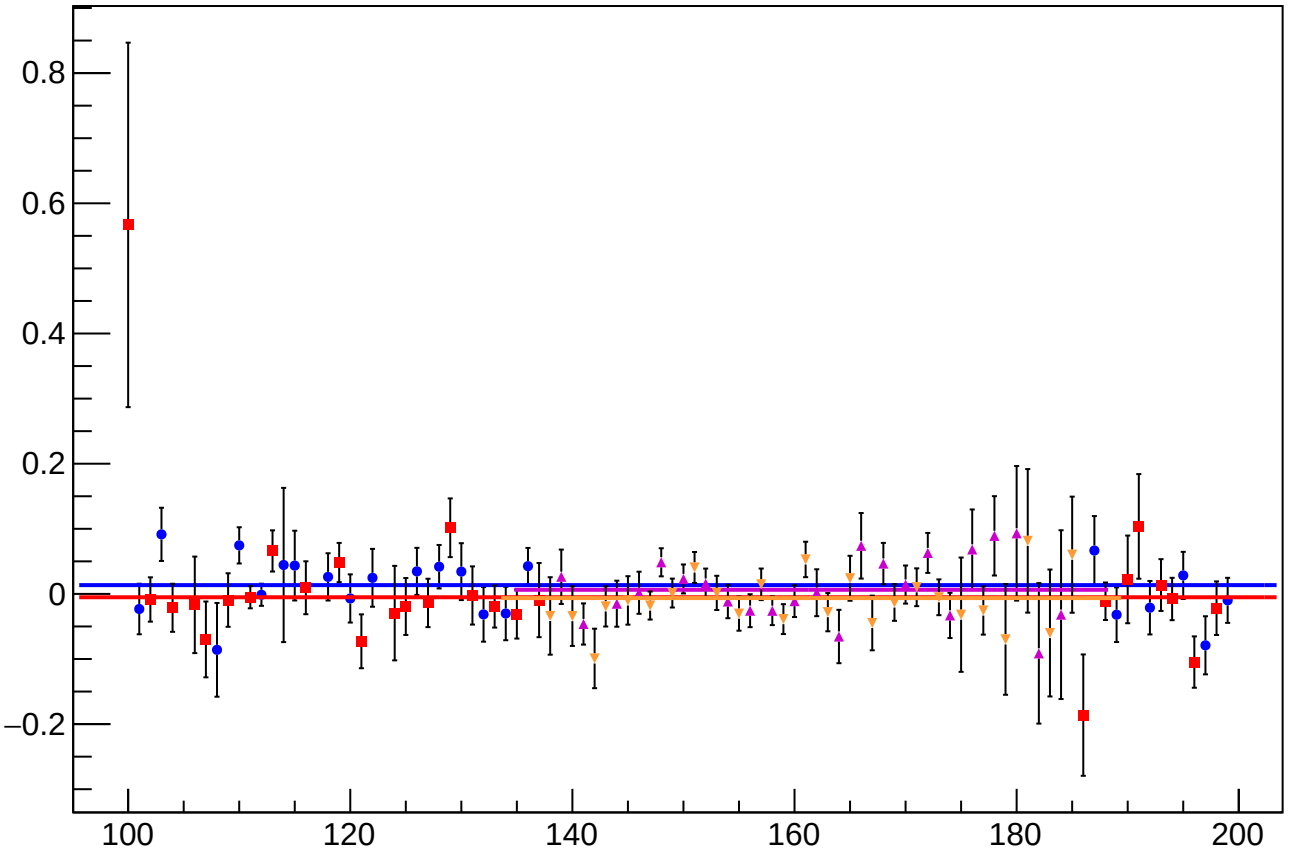
Left: 25.823+/-0.003 χ^2/NDF: 6991814.9/47

Right: 24.138+/-0.004 χ^2/NDF: 5087039.9/48

In: 25.116+/-0.004 χ^2/NDF:5746226.2/44

Out: 25.092+/-0.003 χ^2/NDF:6447148.4/51

All: 25.104+/-0.002 χ^2/NDF: 12193398.5/96



Right In: 0.014+/-0.008 χ^2/NDF: 25.3/21

Left Out: -0.006+/-0.006 χ^2/NDF:22.6/24

Right Out: -0.005+/-0.007 χ^2/NDF: 35.8/26

Left In: 0.006+/-0.007 χ^2/NDF:28.4/22

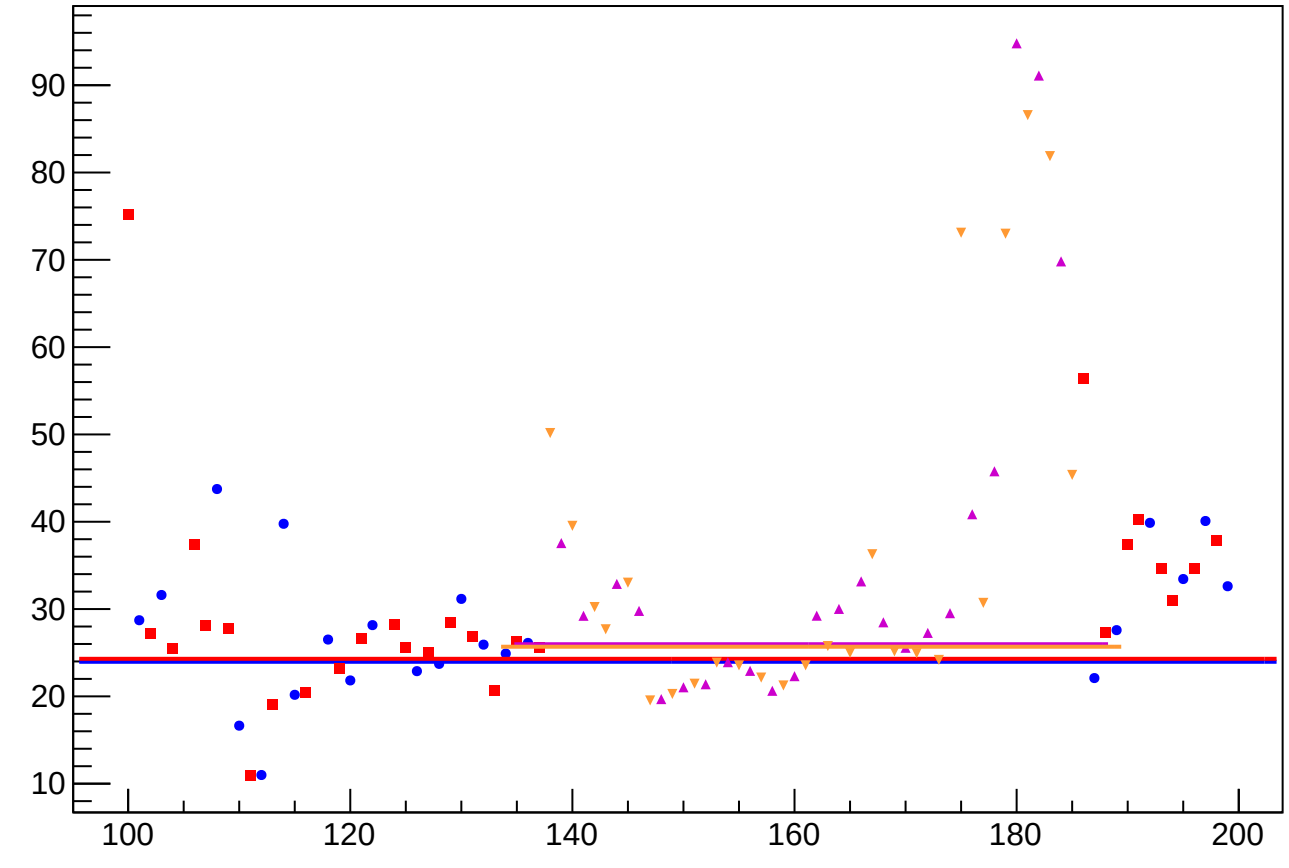
Left: -0.000+/-0.005 χ^2/NDF: 52.9/47

Right: 0.004+/-0.005 χ^2/NDF: 64.2/48

In: 0.009+/-0.005 χ^2/NDF:54.3/44

Out: -0.006+/-0.005 χ^2/NDF:58.4/51

All: 0.001+/-0.003 χ^2/NDF: 117.4/96



Right In: 23.961+/-0.005 χ^2/NDF: 2549541.8/21

Left Out: 25.685+/-0.005 χ^2/NDF:3871541.1/24

Right Out: 24.301+/-0.005 χ^2/NDF: 2535471.3/26

Left In: 25.972+/-0.005 χ^2/NDF:3118335.6/22

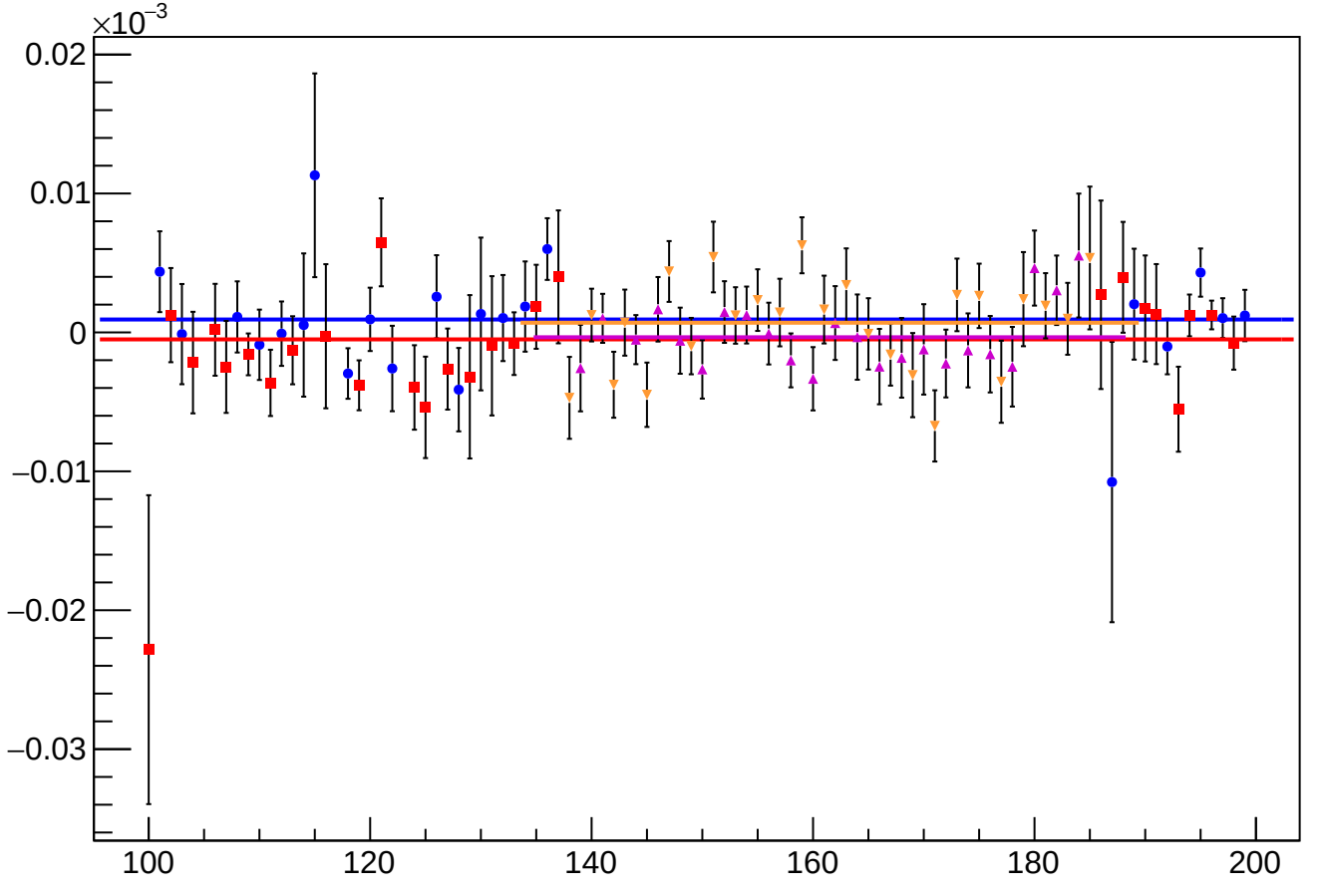
Left: 25.823+/-0.003 χ^2/NDF: 6991814.9/47

Right: 24.138+/-0.004 χ^2/NDF: 5087039.9/48

In: 25.116+/-0.004 χ^2/NDF:5746226.2/44

Out: 25.092+/-0.003 χ^2/NDF:6447148.4/51

All: 25.104+/-0.002 χ^2/NDF: 12193398.5/96



Right In: 0.000+/-0.000 χ^2/NDF: 24.7/21

Left Out: 0.000+/-0.000 χ^2/NDF:44.3/24

Right Out: -0.000+/-0.000 χ^2/NDF: 29.9/26

Left In: -0.000+/-0.000 χ^2/NDF:16.4/22

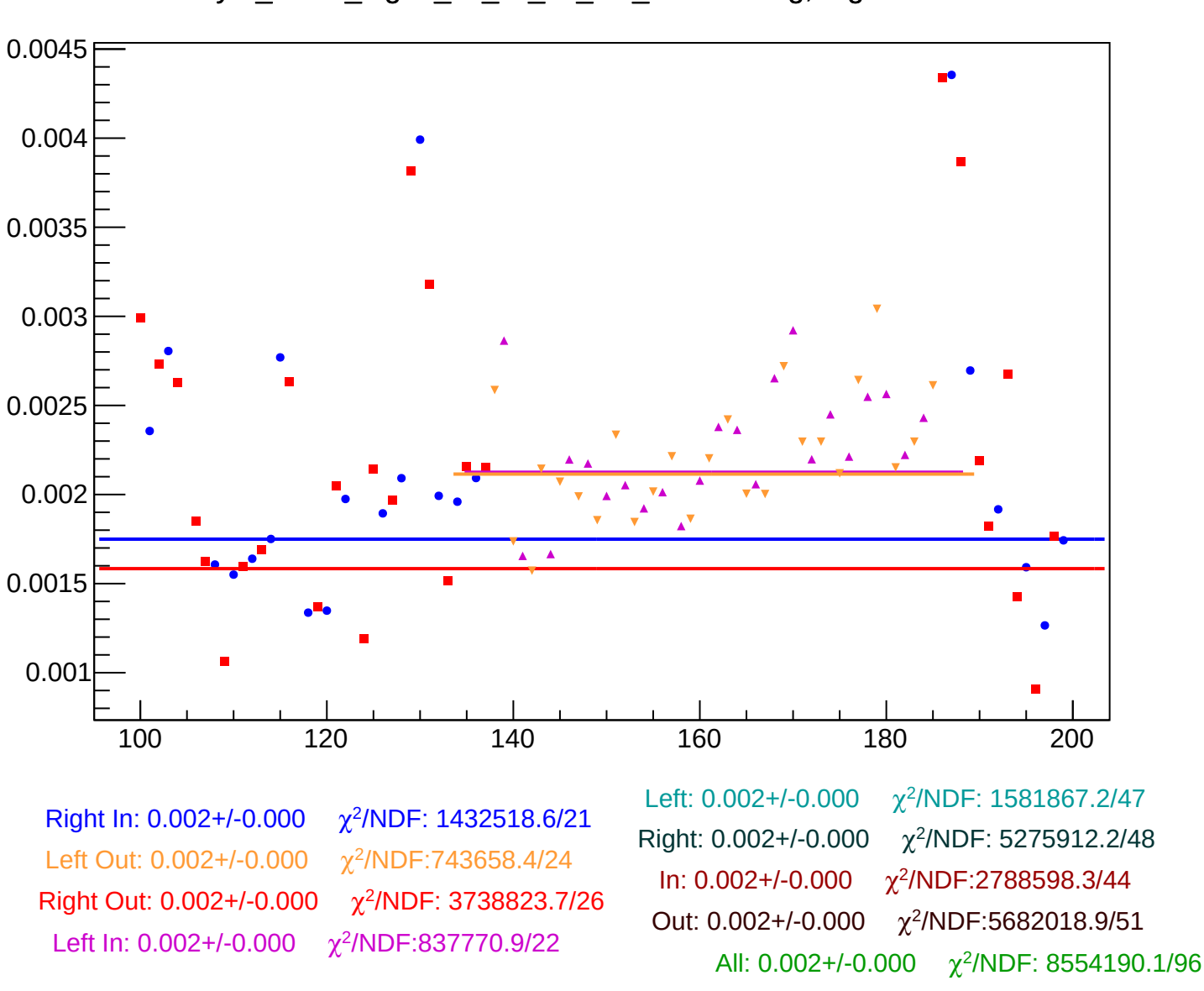
Left: 0.000+/-0.000 χ^2/NDF: 62.9/47

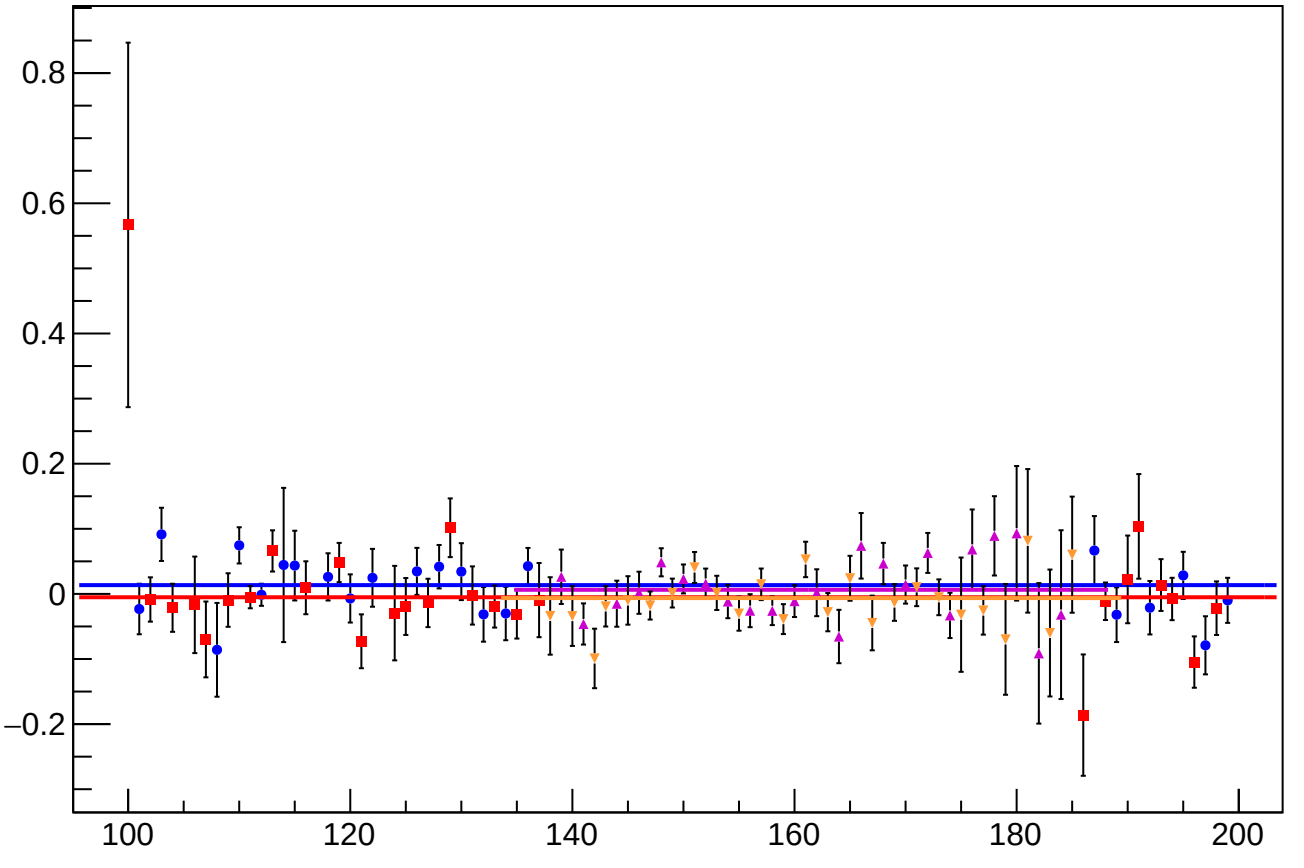
Right: 0.000+/-0.000 χ^2/NDF: 58.5/48

In: 0.000+/-0.000 χ^2/NDF:44.1/44

Out: 0.000+/-0.000 χ^2/NDF:77.3/51

All: 0.000+/-0.000 χ^2/NDF: 121.4/96


asym_sam8_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.0045
0.004
0.0035
0.003
0.0025
0.002
0.0015
0.001
100
120
140
160
180
200
Right In: 0.002+/-0.000 χ²/NDF: 1432518.6/21
Left Out: 0.002+/-0.000 χ²/NDF:743658.4/24
Right Out: 0.002+/-0.000 χ²/NDF: 3738823.7/26
Left In: 0.002+/-0.000 χ²/NDF:837770.9/22
Left: 0.002+/-0.000 χ²/NDF: 1581867.2/47
Right: 0.002+/-0.000 χ²/NDF: 5275912.2/48
In: 0.002+/-0.000 χ²/NDF:2788598.3/44
Out: 0.002+/-0.000 χ²/NDF:5682018.9/51
All: 0.002+/-0.000 χ²/NDF: 8554190.1/96



Right In: 0.014+/-0.008 χ^2/NDF: 25.3/21

Left Out: -0.006+/-0.006 χ^2/NDF:22.6/24

Right Out: -0.005+/-0.007 χ^2/NDF: 35.8/26

Left In: 0.006+/-0.007 χ^2/NDF:28.4/22

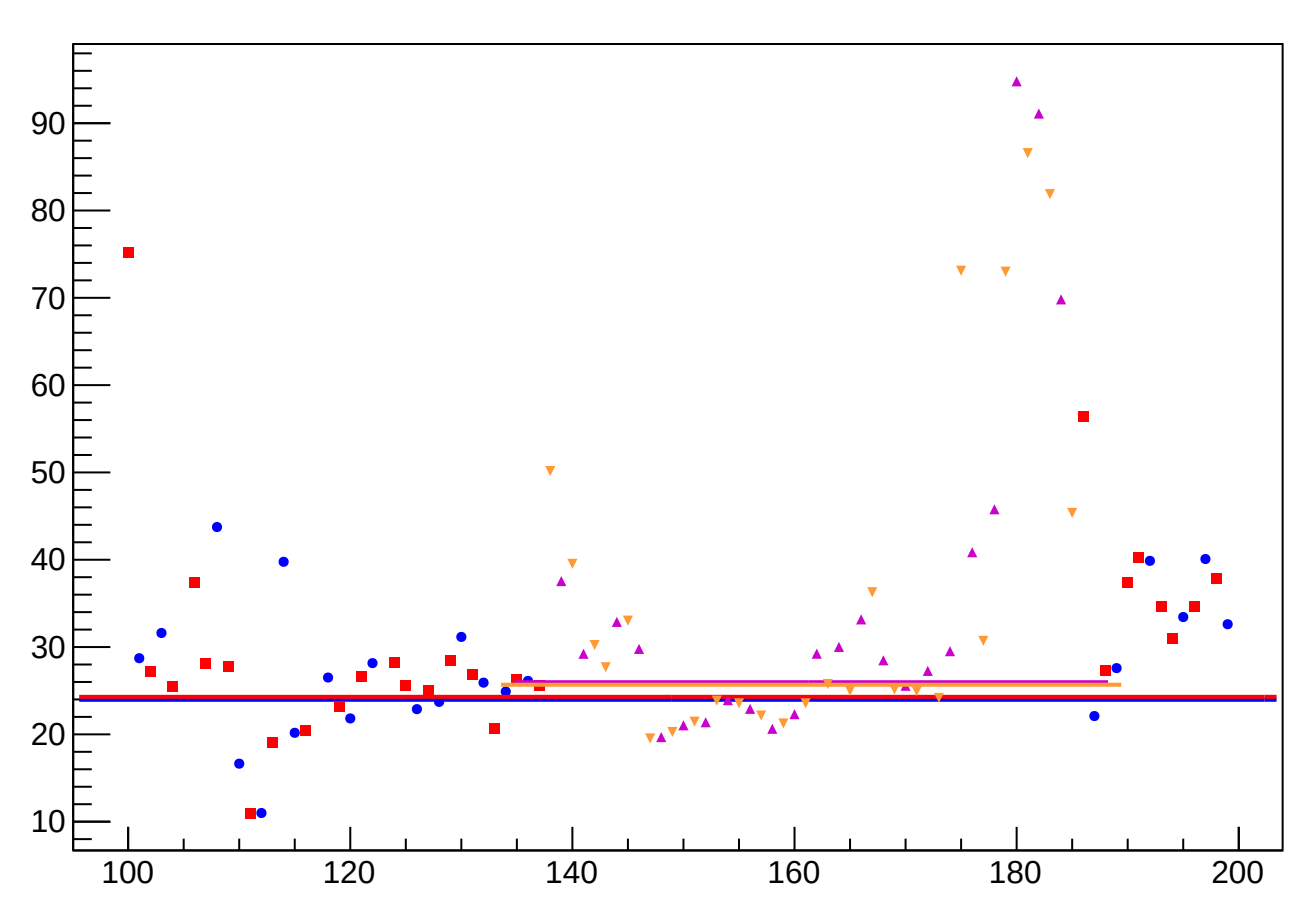
Left: -0.000+/-0.005 χ^2/NDF: 52.9/47

Right: 0.004+/-0.005 χ^2/NDF: 64.2/48

In: 0.009+/-0.005 χ^2/NDF:54.3/44

Out: -0.006+/-0.005 χ^2/NDF:58.4/51

All: 0.001+/-0.003 χ^2/NDF: 117.4/96



Right In: 23.961+/-0.005 χ^2/NDF: 2549759.4/21

Left Out: 25.685+/-0.005 χ^2/NDF:3871544.4/24

Right Out: 24.300+/-0.005 χ^2/NDF: 2535682.6/26

Left In: 25.972+/-0.005 χ^2/NDF:3118315.0/22

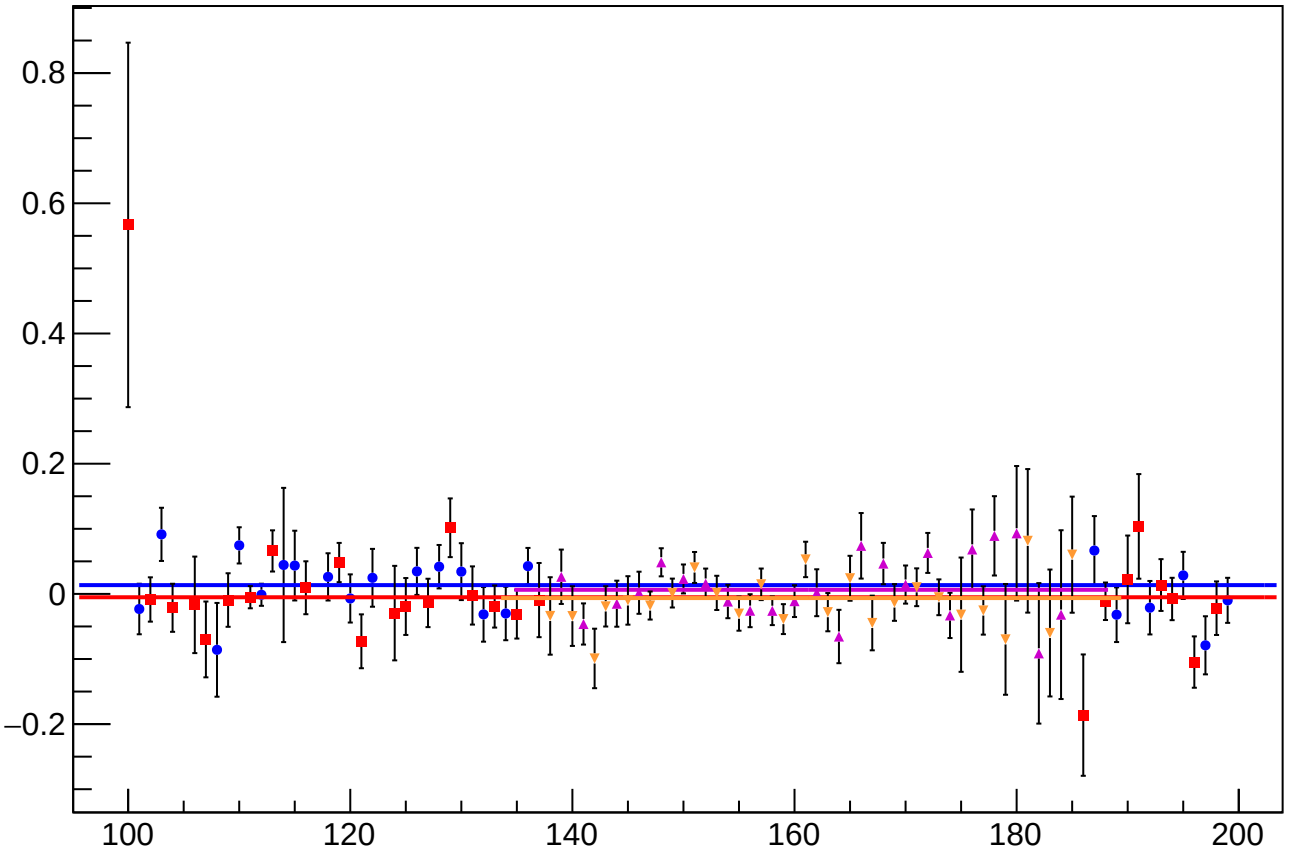
Left: 25.823+/-0.003 χ^2/NDF: 6991798.2/47

Right: 24.137+/-0.004 χ^2/NDF: 5087467.8/48

In: 25.116+/-0.004 χ^2/NDF:5746478.6/44

Out: 25.092+/-0.003 χ^2/NDF:6447407.3/51

All: 25.103+/-0.002 χ^2/NDF: 12193910.0/96



Right In: 0.014+/-0.008 χ^2/NDF: 25.3/21

Left Out: -0.006+/-0.006 χ^2/NDF:22.6/24

Right Out: -0.005+/-0.007 χ^2/NDF: 35.8/26

Left In: 0.006+/-0.007 χ^2/NDF:28.4/22

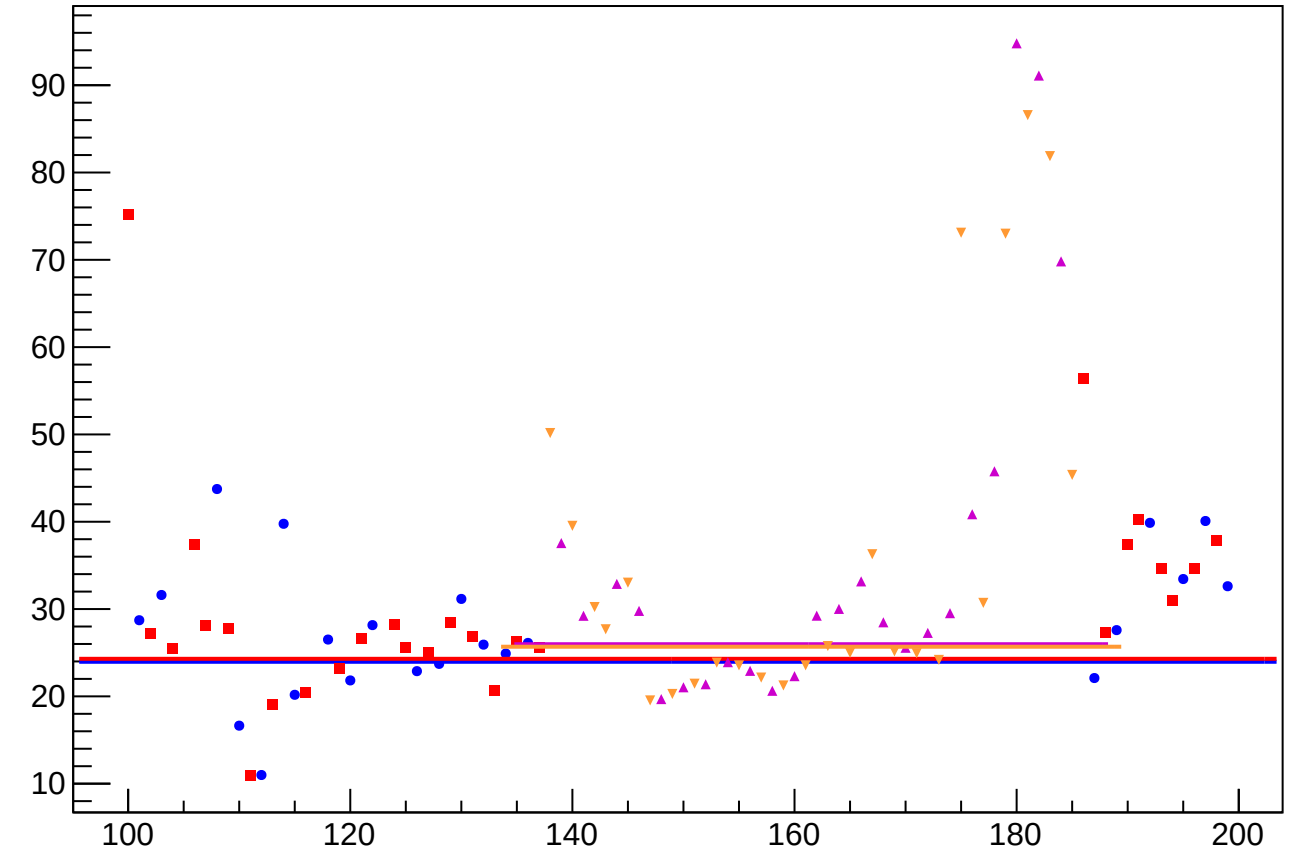
Left: -0.000+/-0.005 χ^2/NDF: 52.9/47

Right: 0.004+/-0.005 χ^2/NDF: 64.2/48

In: 0.009+/-0.005 χ^2/NDF:54.3/44

Out: -0.006+/-0.005 χ^2/NDF:58.4/51

All: 0.001+/-0.003 χ^2/NDF: 117.4/96



Right In: 23.961+/-0.005 χ^2/NDF: 2549759.4/21

Left Out: 25.685+/-0.005 χ^2/NDF:3871544.4/24

Right Out: 24.300+/-0.005 χ^2/NDF: 2535682.6/26

Left In: 25.972+/-0.005 χ^2/NDF:3118315.0/22

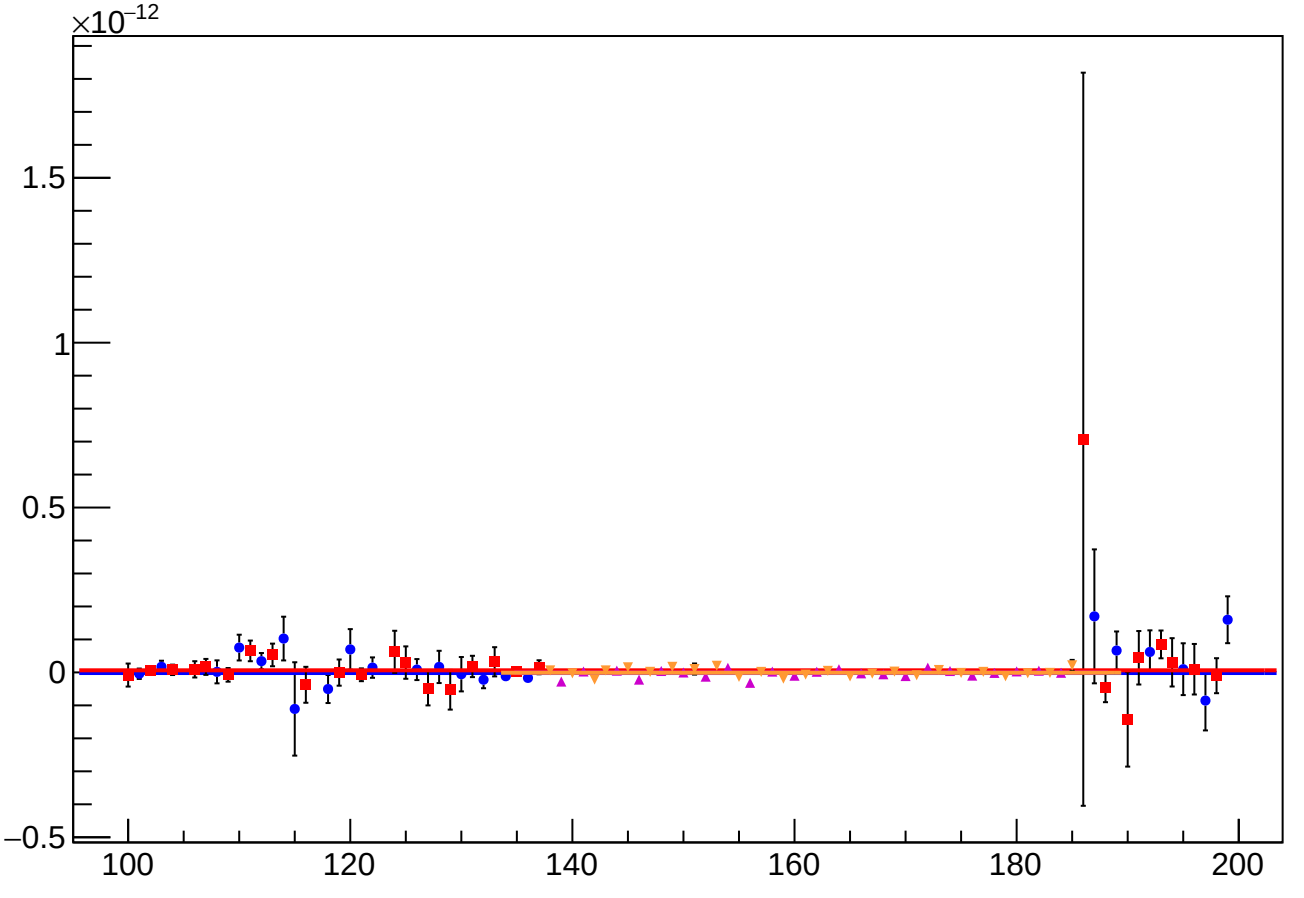
Left: 25.823+/-0.003 χ^2/NDF: 6991798.2/47

Right: 24.137+/-0.004 χ^2/NDF: 5087467.8/48

In: 25.116+/-0.004 χ^2/NDF:5746478.6/44

Out: 25.092+/-0.003 χ^2/NDF:6447407.3/51

All: 25.103+/-0.002 χ^2/NDF: 12193910.0/96



Right In: -0.000+/-0.000 χ^2/NDF: 26.4/21

Left Out: -0.000+/-0.000 χ^2/NDF:28.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 18.0/26

Left In: -0.000+/-0.000 χ^2/NDF:29.7/22

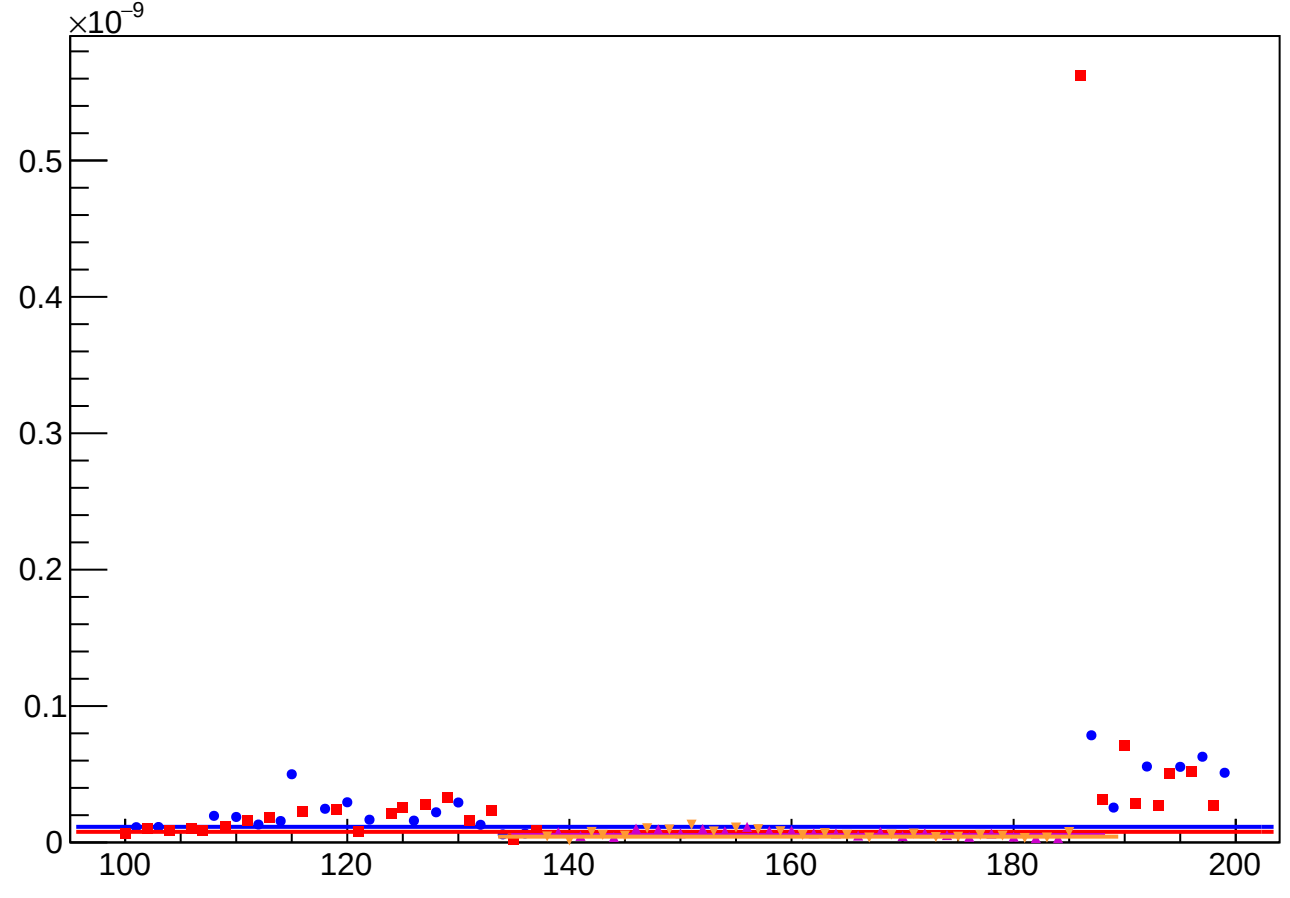
Left: -0.000+/-0.000 χ^2/NDF: 58.5/47

Right: 0.000+/-0.000 χ^2/NDF: 45.9/48

In: -0.000+/-0.000 χ^2/NDF:56.1/44

Out: -0.000+/-0.000 χ^2/NDF:49.5/51

All: -0.000+/-0.000 χ^2/NDF: 105.7/96



Right In: 0.000+/-0.000 χ^2/NDF: 5176849.0/21

Left Out: 0.000+/-0.000 χ^2/NDF:5399109.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7729272.8/26

Left In: 0.000+/-0.000 χ^2/NDF:2811616.7/22

Left: 0.000+/-0.000 χ^2/NDF: 8813295.5/47

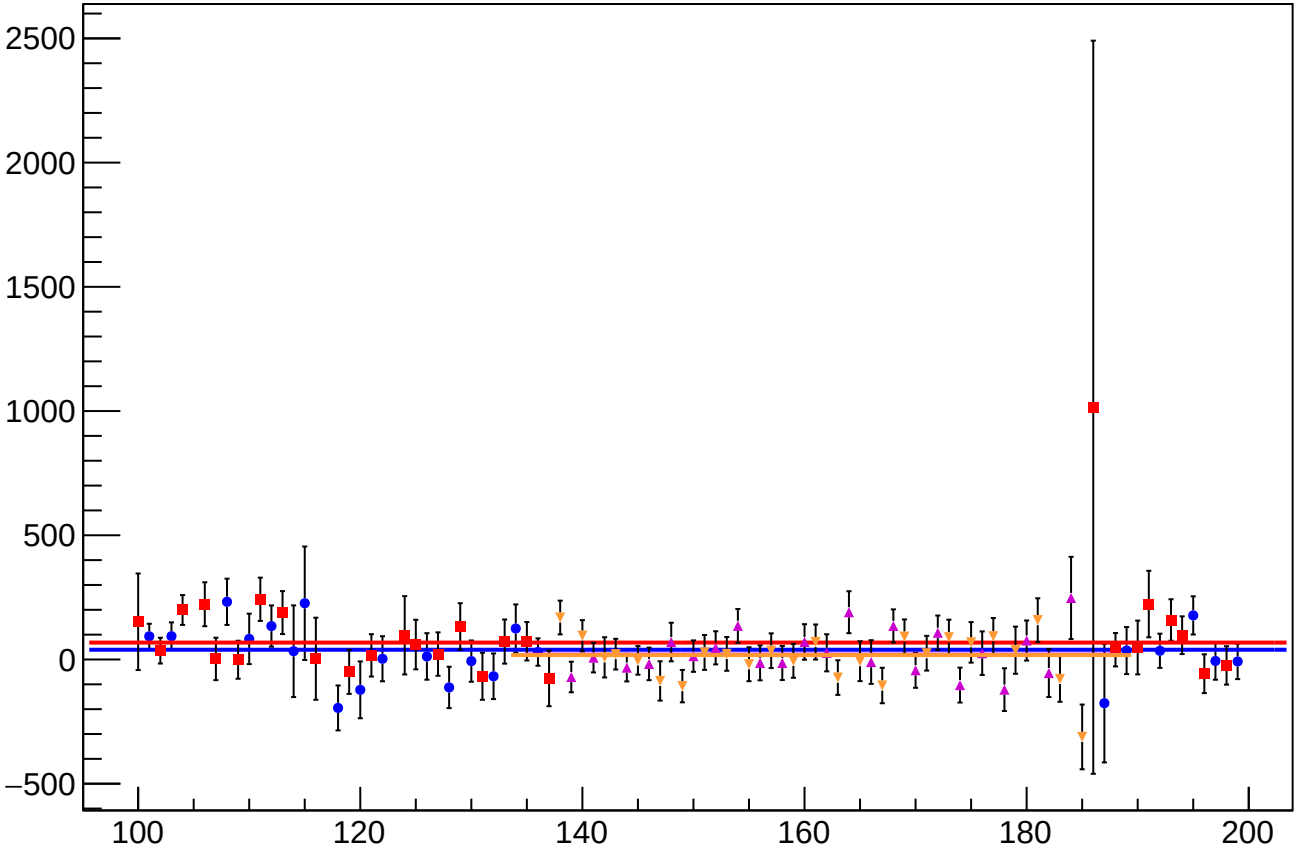
Right: 0.000+/-0.000 χ^2/NDF: 13470468.6/48

In: 0.000+/-0.000 χ^2/NDF:10225292.9/44

Out: 0.000+/-0.000 χ^2/NDF:14374286.5/51

All: 0.000+/-0.000 χ^2/NDF: 25482671.7/96

reg_asym_sam_15_avg_mean vs Slug, Sign Corrected



Right In: 39.229+/-17.453 χ^2/NDF: 28.2/21

Left Out: 17.800+/-14.495 χ^2/NDF:31.6/24

Right Out: 68.057+/-16.758 χ^2/NDF: 29.9/26

Left In: 19.642+/-15.040 χ^2/NDF:26.2/22

Left: 18.687+/-10.437 χ^2/NDF: 57.8/47

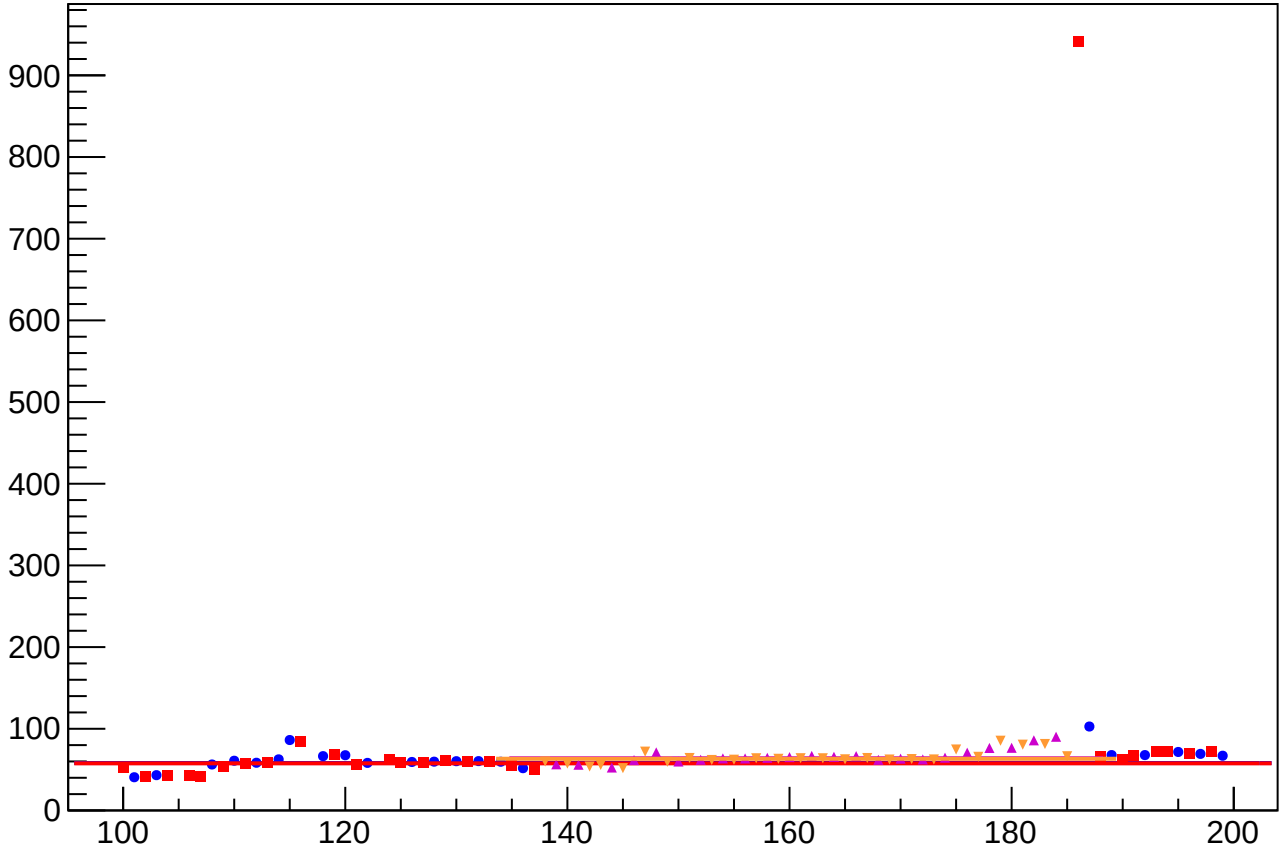
Right: 54.228+/-12.088 χ^2/NDF: 59.4/48

In: 27.989+/-11.393 χ^2/NDF:55.1/44

Out: 39.308+/-10.963 χ^2/NDF:66.6/51

All: 33.866+/-7.900 χ^2/NDF: 122.2/96

reg_asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 58.060+/-0.012 χ^2/NDF: 745057.0/21

Left Out: 63.312+/-0.010 χ^2/NDF:497429.6/24

Right Out: 57.682+/-0.012 χ^2/NDF: 1560561.1/26

Left In: 63.918+/-0.011 χ^2/NDF:445309.5/22

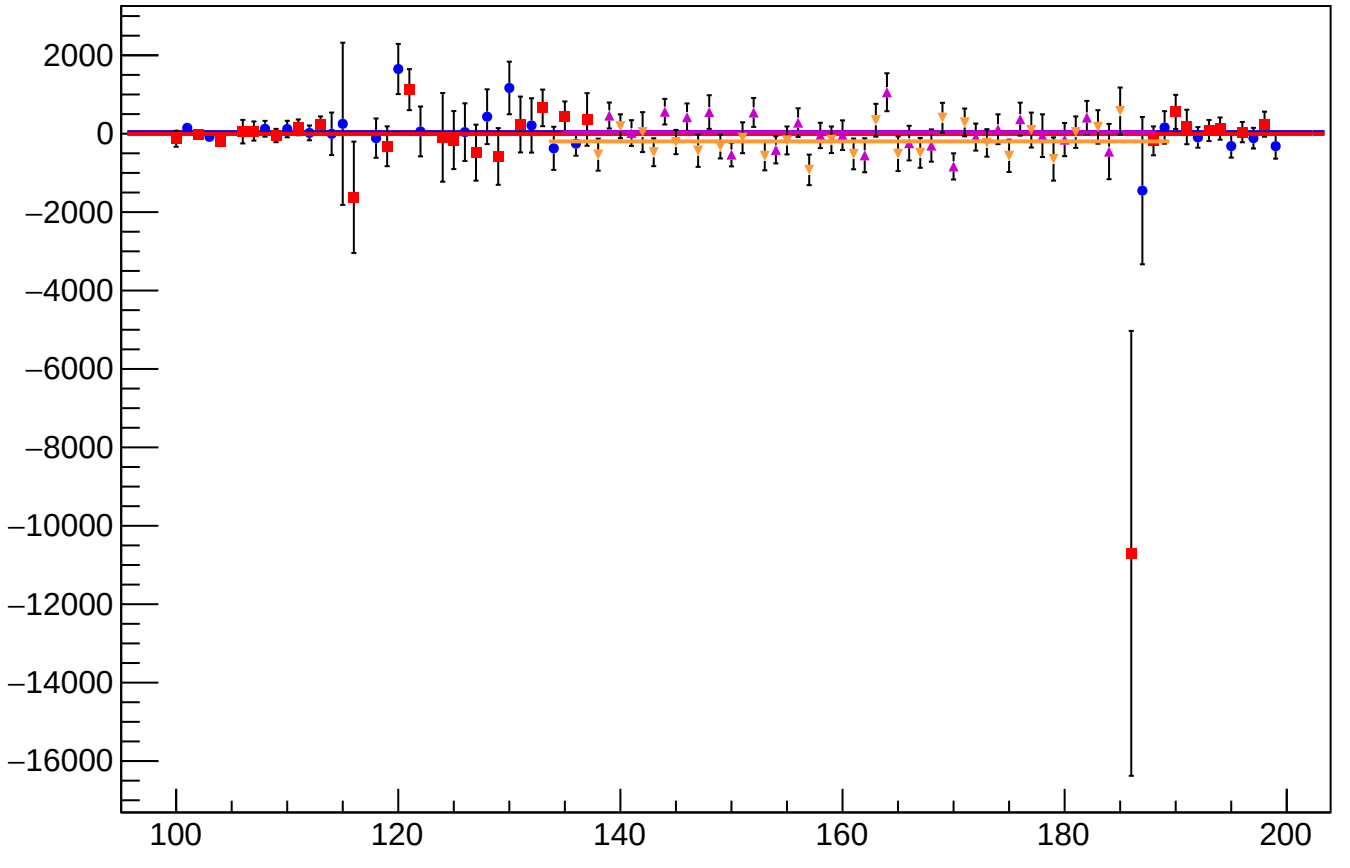
Left: 63.604+/-0.007 χ^2/NDF: 944421.1/47

Right: 57.864+/-0.009 χ^2/NDF: 2306106.1/48

In: 61.422+/-0.008 χ^2/NDF:1319654.6/44

Out: 60.903+/-0.008 χ^2/NDF:2187118.1/51

All: 61.152+/-0.006 χ^2/NDF: 3508927.3/96



Right In: 40.864+/-43.881 χ^2/NDF: 20.0/21

Left Out: -195.947+/-77.088 χ^2/NDF:20.6/24

Right Out: -6.720+/-46.417 χ^2/NDF: 24.8/26

Left In: 36.417+/-79.210 χ^2/NDF:31.1/22

Left: -82.919+/-55.244 χ^2/NDF: 56.1/47

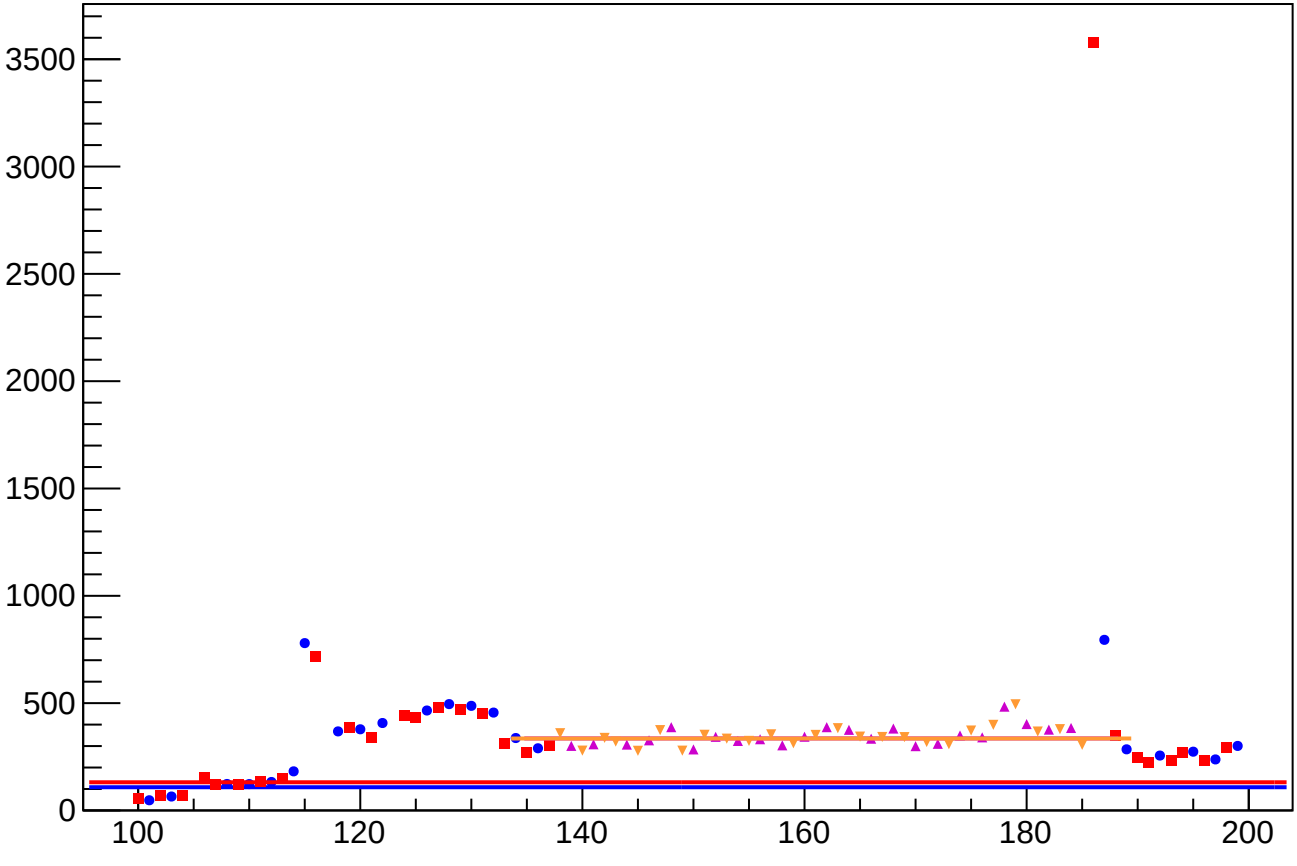
Right: 18.407+/-31.888 χ^2/NDF: 45.4/48

In: 39.820+/-38.385 χ^2/NDF:51.1/44

Out: -57.072+/-39.765 χ^2/NDF:49.8/51

All: -6.915+/-27.617 χ^2/NDF: 104.0/96

asym_sam_15_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 108.178+/-0.031 χ^2/NDF: 10108471.9/21

Left Out: 335.271+/-0.055 χ^2/NDF:563801.0/24

Right Out: 131.306+/-0.033 χ^2/NDF: 9046848.1/26

Left In: 335.526+/-0.056 χ^2/NDF:495163.6/22

Left: 335.395+/-0.039 χ^2/NDF: 1058975.3/47

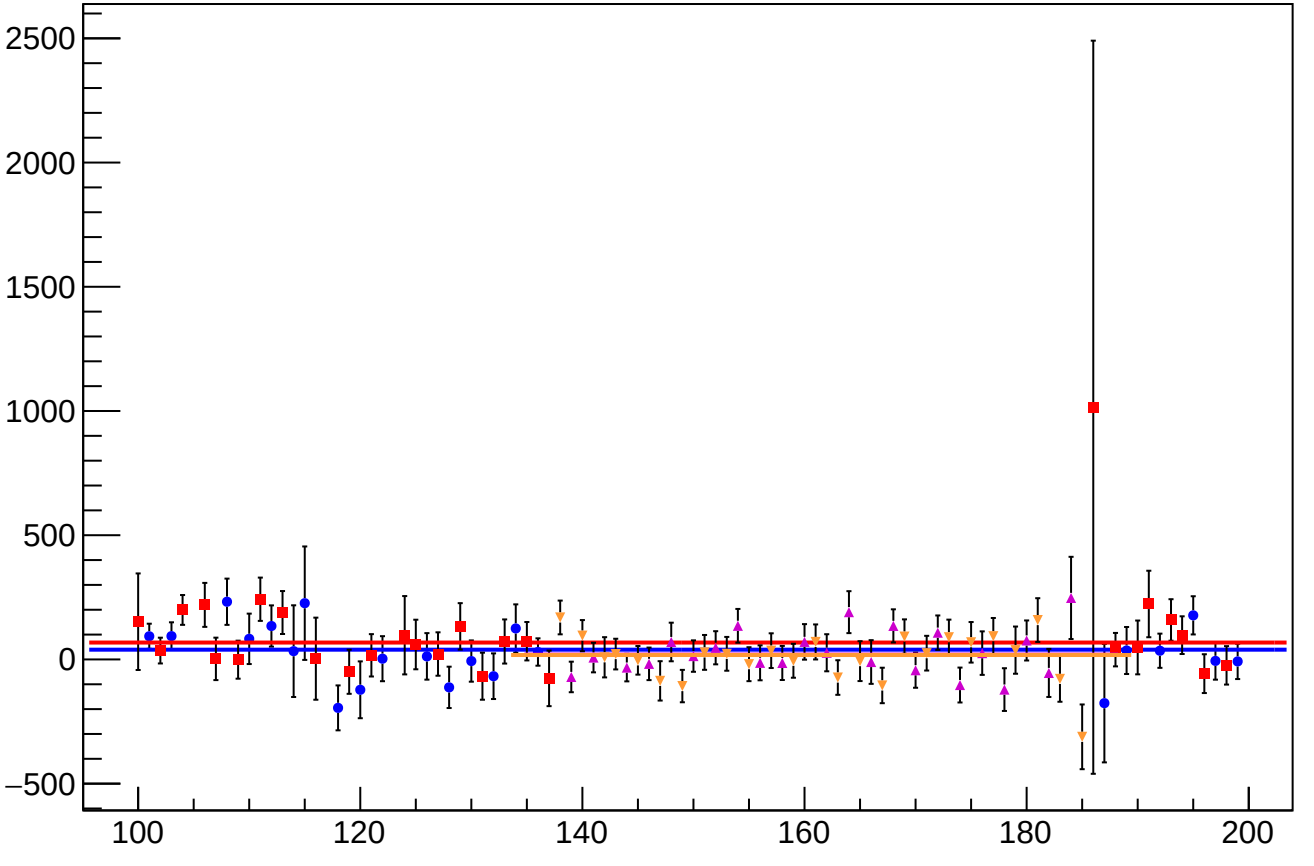
Right: 119.093+/-0.023 χ^2/NDF: 19417524.1/48

In: 161.566+/-0.027 χ^2/NDF:23210638.8/44

Out: 185.579+/-0.028 χ^2/NDF:19886297.7/51

All: 173.149+/-0.020 χ^2/NDF: 43474465.0/96

cor_asym_sam_15_avg_mean vs Slug, Sign Corrected



Right In: 39.238+/-17.453 χ^2/NDF: 28.2/21

Left Out: 17.804+/-14.495 χ^2/NDF:31.6/24

Right Out: 67.960+/-16.759 χ^2/NDF: 29.7/26

Left In: 19.642+/-15.040 χ^2/NDF:26.2/22

Left: 18.689+/-10.437 χ^2/NDF: 57.8/47

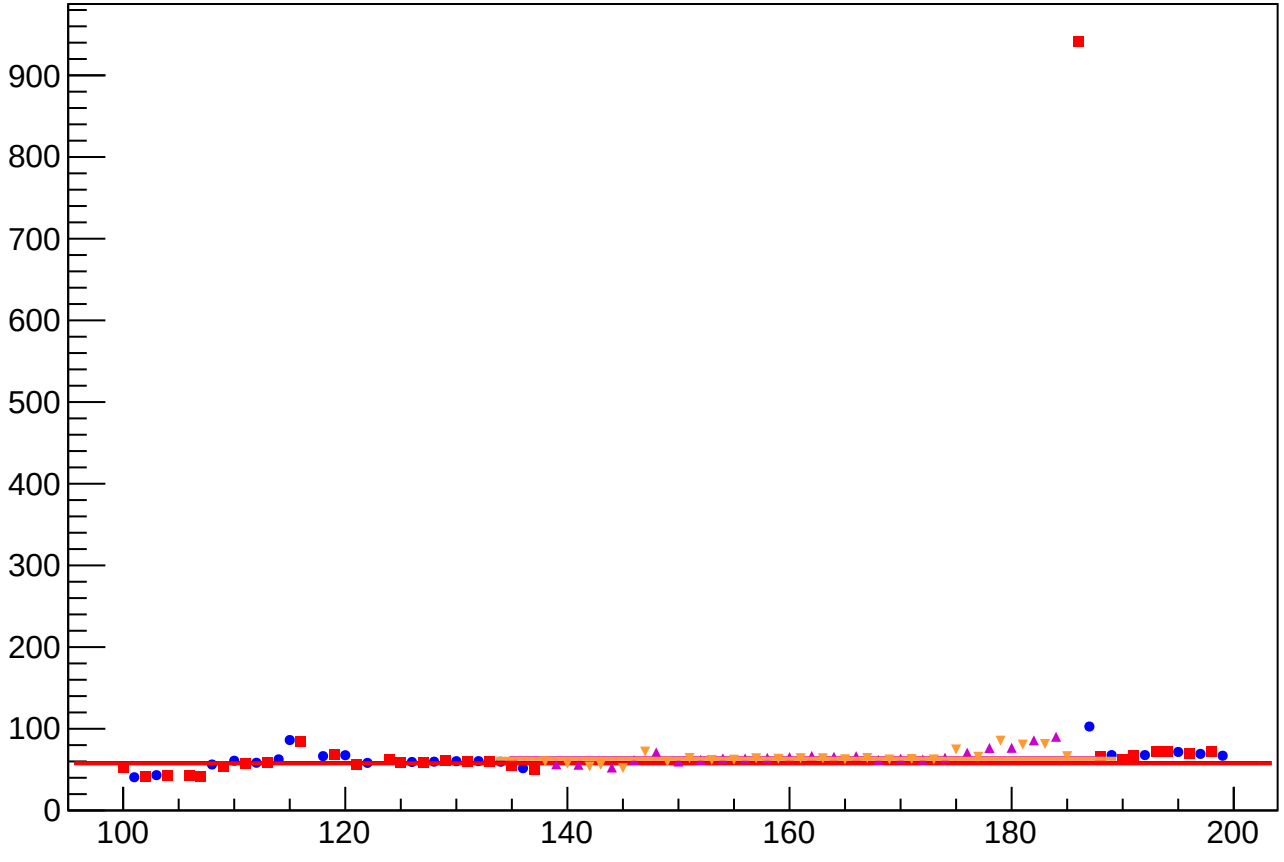
Right: 54.181+/-12.088 χ^2/NDF: 59.3/48

In: 27.992+/-11.393 χ^2/NDF:55.1/44

Out: 39.267+/-10.963 χ^2/NDF:66.4/51

All: 33.847+/-7.900 χ^2/NDF: 122.0/96

cor_asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 58.060+/-0.012 χ^2/NDF: 745056.1/21

Left Out: 63.312+/-0.010 χ^2/NDF:497429.6/24

Right Out: 57.681+/-0.012 χ^2/NDF: 1560961.9/26

Left In: 63.918+/-0.011 χ^2/NDF:445309.5/22

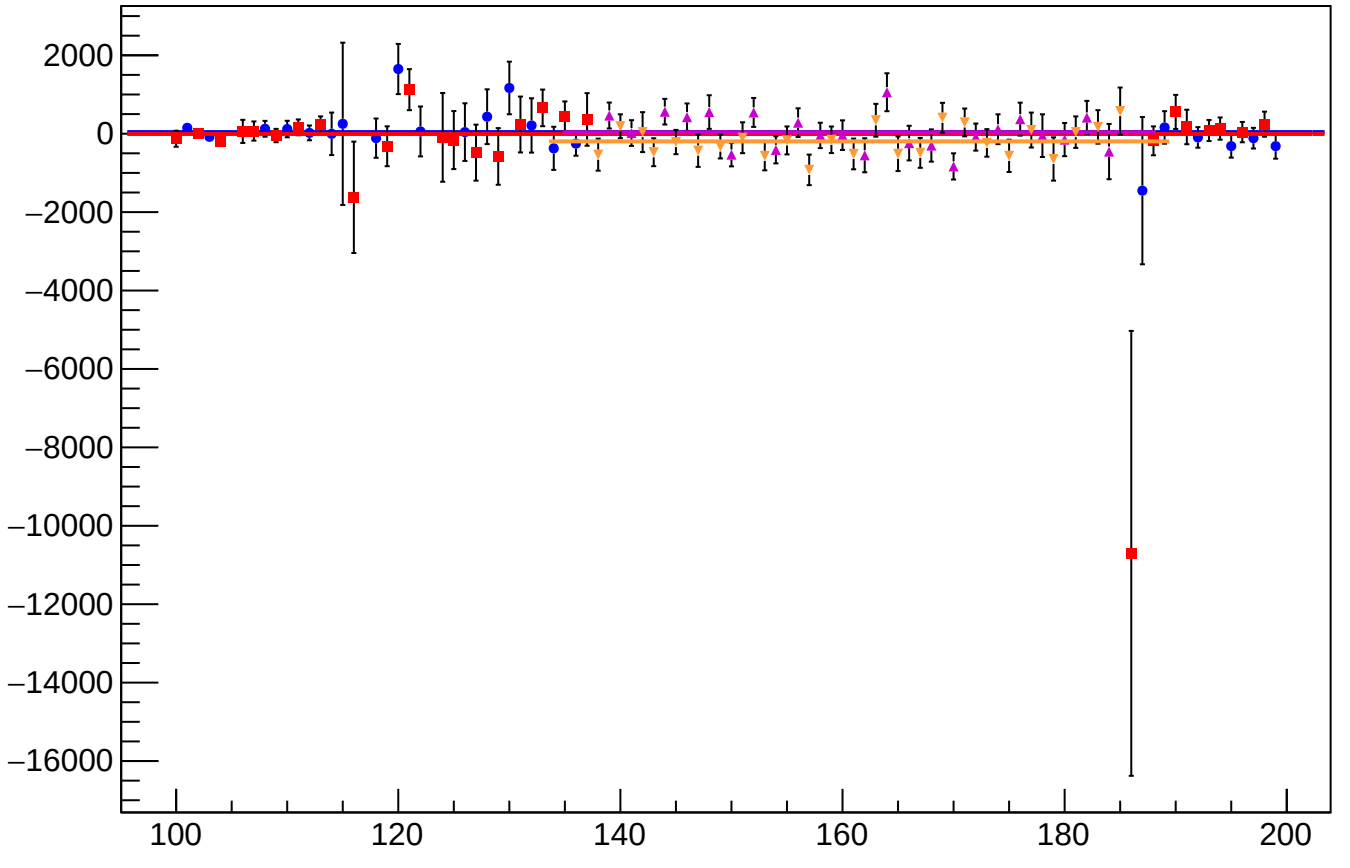
Left: 63.604+/-0.007 χ^2/NDF: 944421.2/47

Right: 57.863+/-0.009 χ^2/NDF: 2306508.8/48

In: 61.422+/-0.008 χ^2/NDF:1319653.5/44

Out: 60.903+/-0.008 χ^2/NDF:2187563.1/51

All: 61.152+/-0.006 χ^2/NDF: 3509373.9/96



Right In: 40.868+/-43.880 χ^2/NDF: 20.0/21

Left Out: -195.942+/-77.088 χ^2/NDF:20.6/24

Right Out: -6.373+/-46.384 χ^2/NDF: 24.8/26

Left In: 36.414+/-79.210 χ^2/NDF:31.1/22

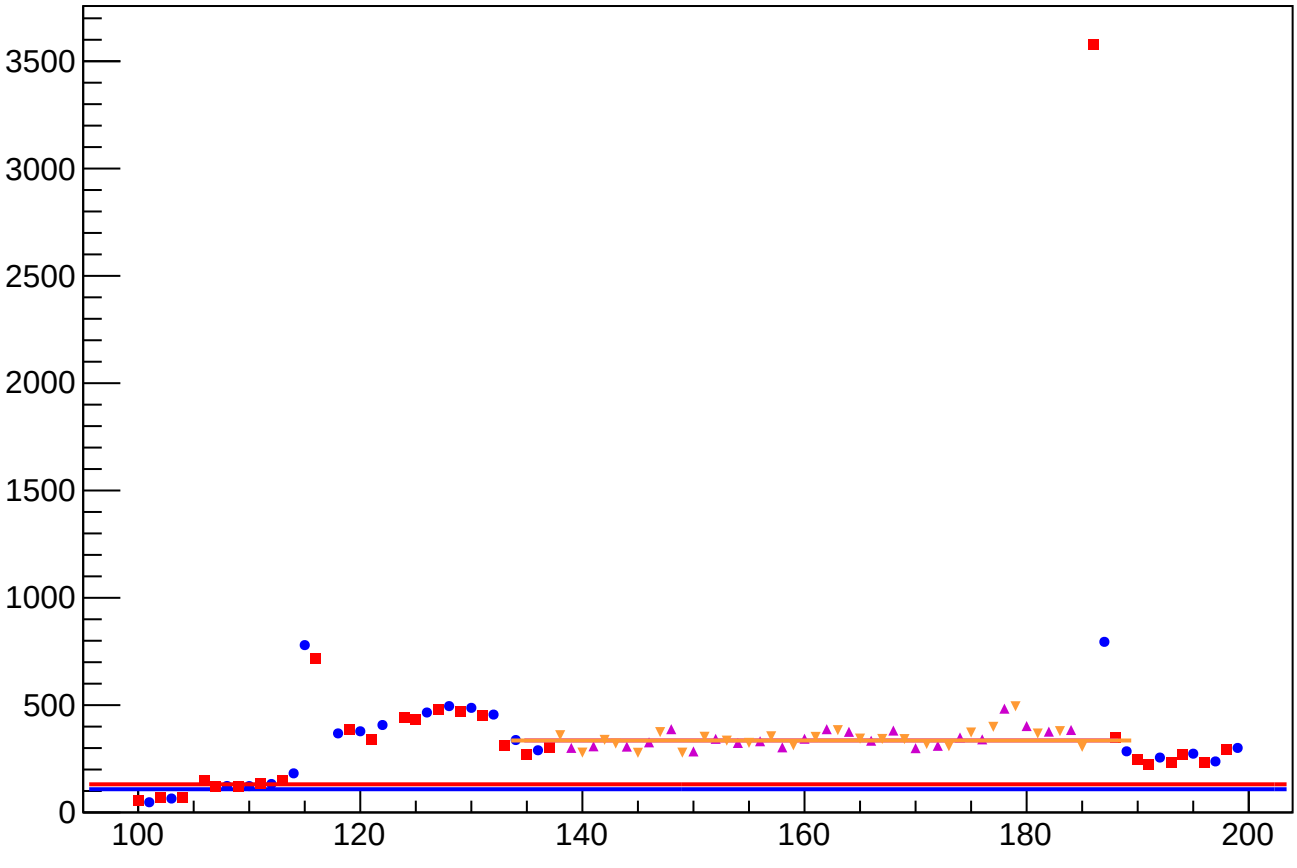
Left: -82.918+/-55.244 χ^2/NDF: 56.1/47

Right: 18.556+/-31.876 χ^2/NDF: 45.4/48

In: 39.822+/-38.384 χ^2/NDF:51.1/44

Out: -56.762+/-39.744 χ^2/NDF:49.8/51

All: -6.789+/-27.610 χ^2/NDF: 104.0/96



Right In: 108.175+/-0.031 χ^2/NDF: 10108662.0/21

Left Out: 335.271+/-0.055 χ^2/NDF:563797.0/24

Right Out: 131.121+/-0.033 χ^2/NDF: 9046046.6/26

Left In: 335.526+/-0.056 χ^2/NDF:495170.0/22

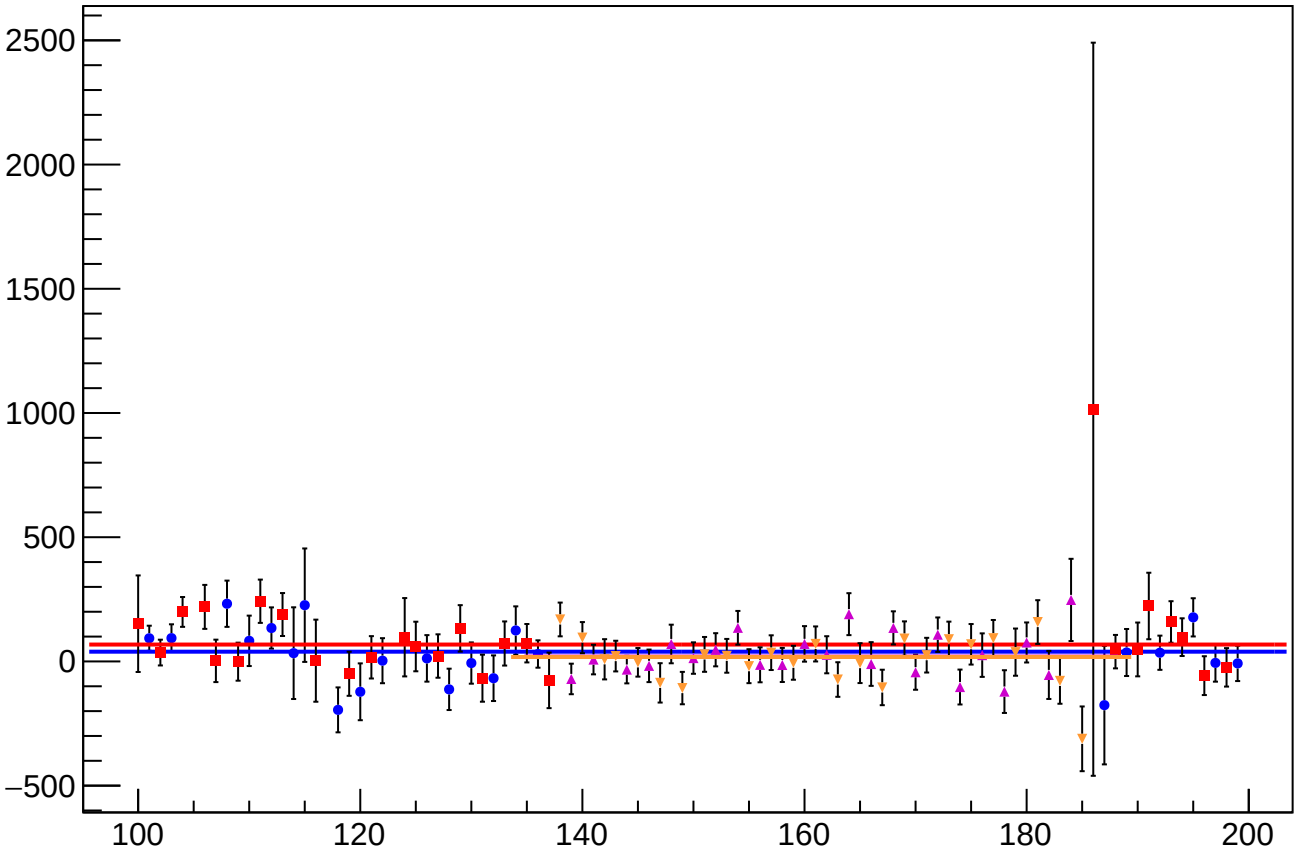
Left: 335.395+/-0.039 χ^2/NDF: 1058977.6/47

Right: 119.012+/-0.023 χ^2/NDF: 19412996.9/48

In: 161.562+/-0.027 χ^2/NDF:23211275.3/44

Out: 185.385+/-0.028 χ^2/NDF:19908158.3/51

All: 173.059+/-0.020 χ^2/NDF: 43491224.2/96



Right In: 39.238+/-17.453 χ^2/NDF: 28.2/21

Left Out: 17.804+/-14.495 χ^2/NDF:31.6/24

Right Out: 67.960+/-16.759 χ^2/NDF: 29.7/26

Left In: 19.642+/-15.040 χ^2/NDF:26.2/22

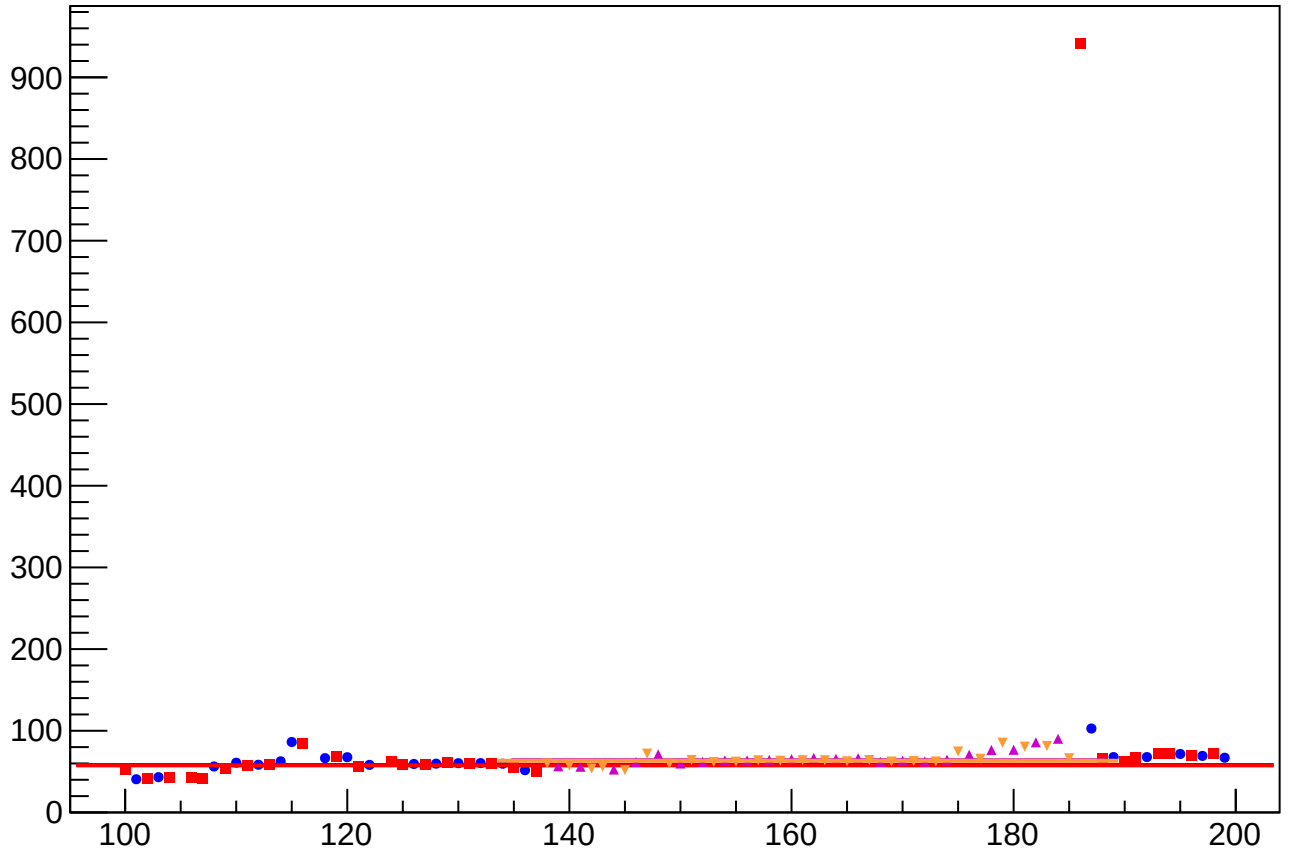
Left: 18.689+/-10.437 χ^2/NDF: 57.8/47

Right: 54.181+/-12.088 χ^2/NDF: 59.3/48

In: 27.992+/-11.393 χ^2/NDF:55.1/44

Out: 39.267+/-10.963 χ^2/NDF:66.4/51

All: 33.847+/-7.900 χ^2/NDF: 122.0/96



Right In: 58.060+/-0.012 χ^2/NDF: 745056.1/21

Left Out: 63.312+/-0.010 χ^2/NDF:497429.6/24

Right Out: 57.681+/-0.012 χ^2/NDF: 1560961.9/26

Left In: 63.918+/-0.011 χ^2/NDF:445309.5/22

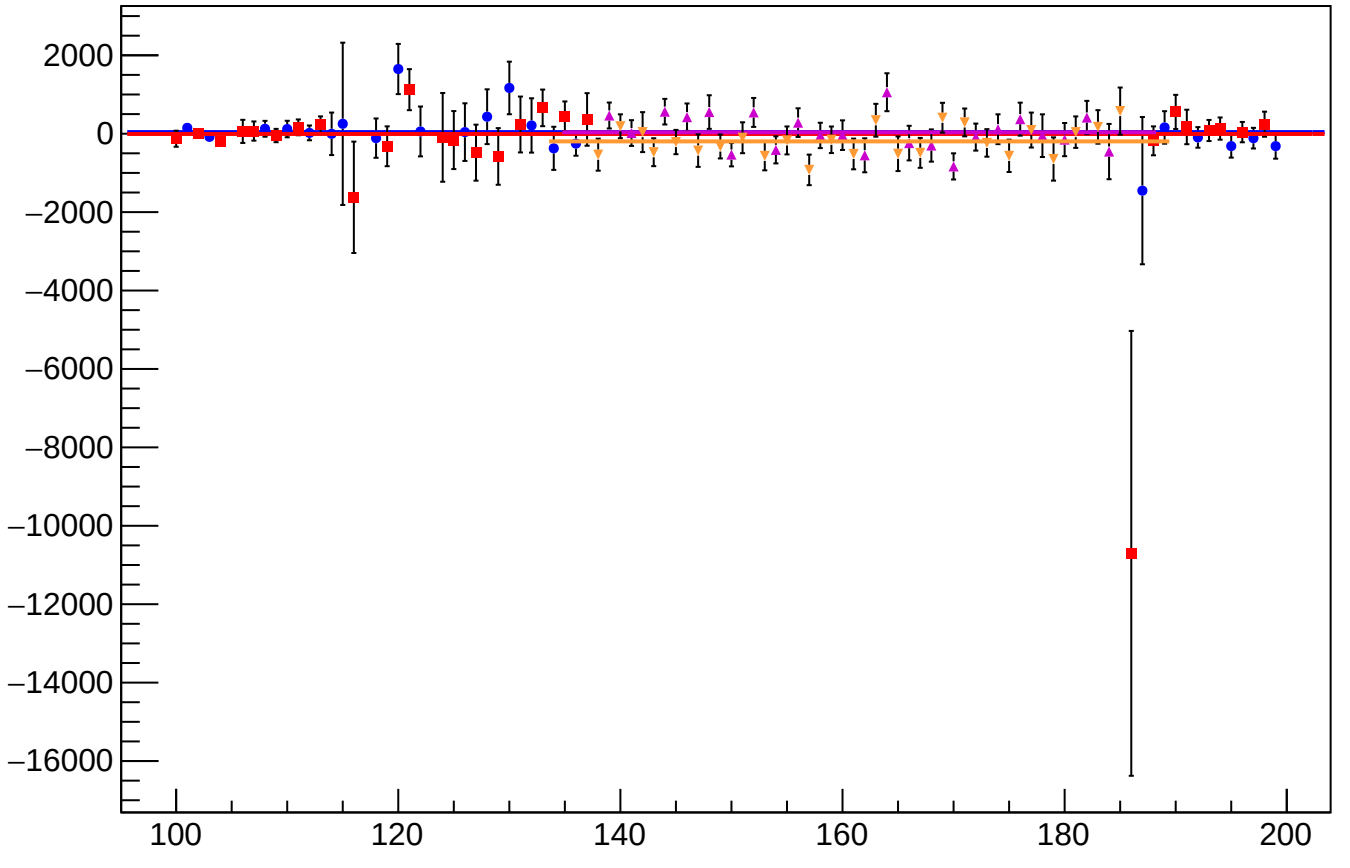
Left: 63.604+/-0.007 χ^2/NDF: 944421.2/47

Right: 57.863+/-0.009 χ^2/NDF: 2306508.8/48

In: 61.422+/-0.008 χ^2/NDF:1319653.5/44

Out: 60.903+/-0.008 χ^2/NDF:2187563.1/51

All: 61.152+/-0.006 χ^2/NDF: 3509373.9/96



Right In: 40.868+/-43.880 χ^2/NDF: 20.0/21

Left Out: -195.942+/-77.088 χ^2/NDF:20.6/24

Right Out: -6.373+/-46.384 χ^2/NDF: 24.8/26

Left In: 36.414+/-79.210 χ^2/NDF:31.1/22

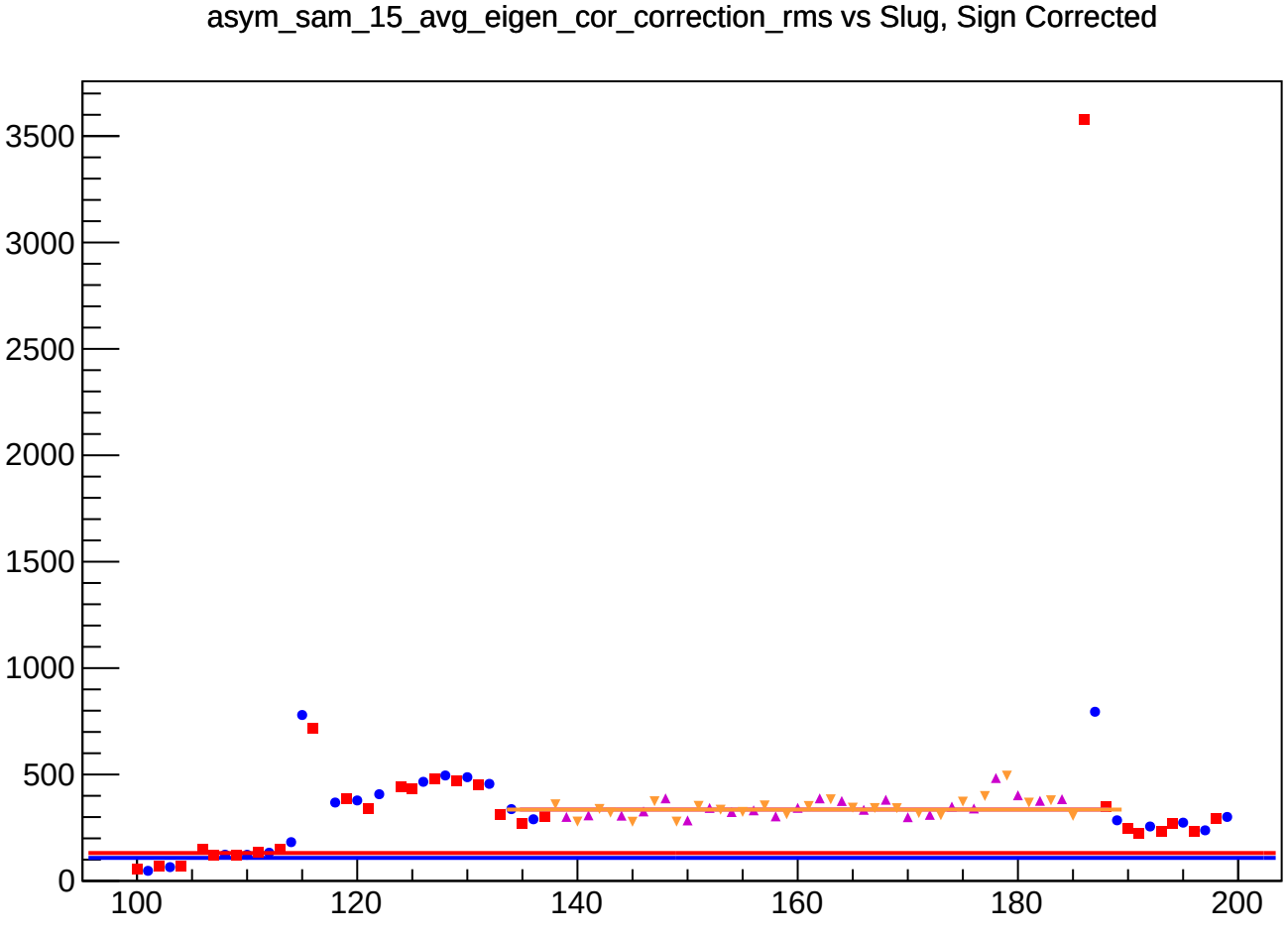
Left: -82.918+/-55.244 χ^2/NDF: 56.1/47

Right: 18.556+/-31.876 χ^2/NDF: 45.4/48

In: 39.822+/-38.384 χ^2/NDF:51.1/44

Out: -56.762+/-39.744 χ^2/NDF:49.8/51

All: -6.789+/-27.610 χ^2/NDF: 104.0/96



Right In: 108.175+/-0.031 χ^2/NDF: 10108662.0/21

Left Out: 335.271+/-0.055 χ^2/NDF:563797.0/24

Right Out: 131.121+/-0.033 χ^2/NDF: 9046046.6/26

Left In: 335.526+/-0.056 χ^2/NDF:495170.0/22

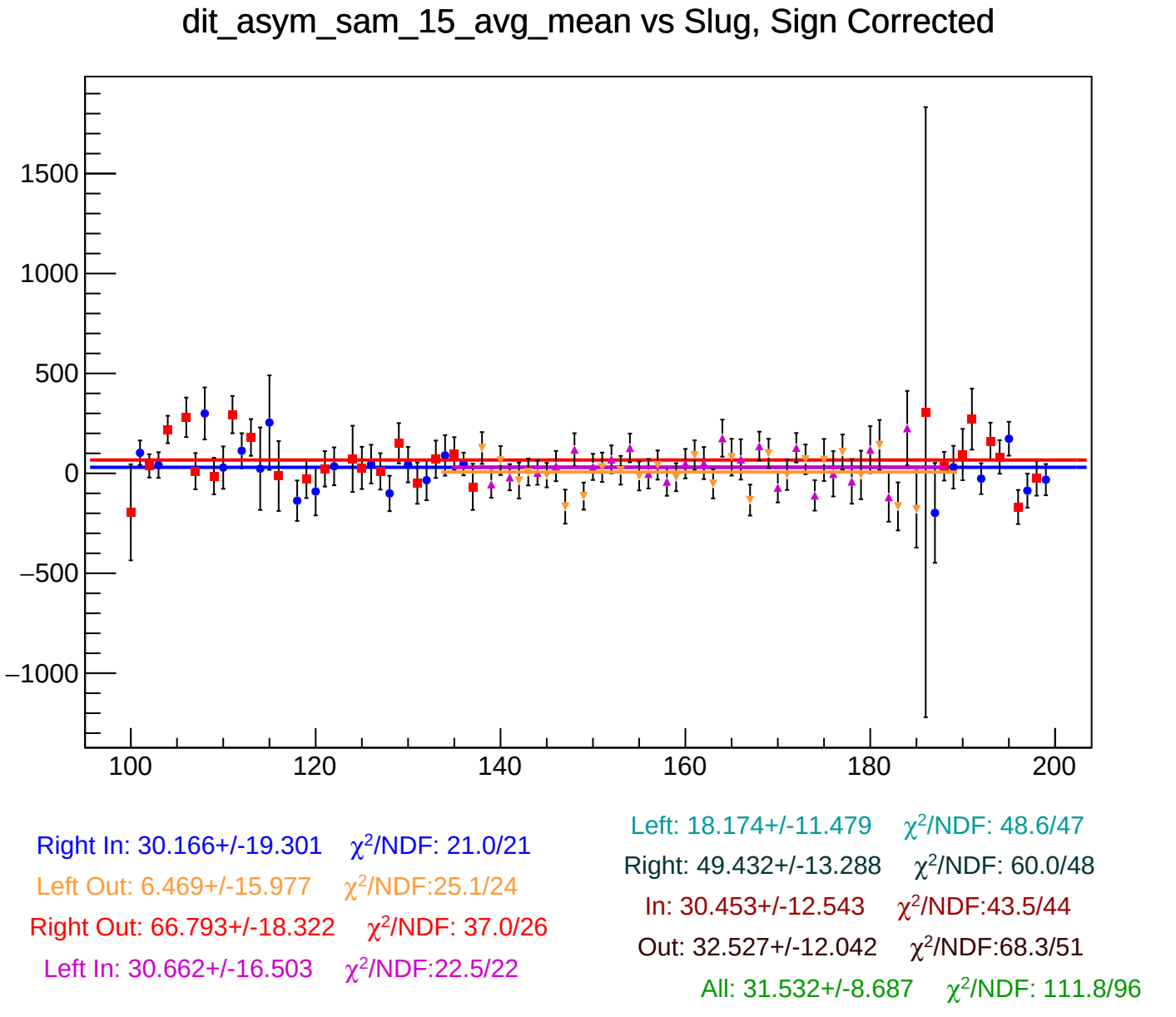
Left: 335.395+/-0.039 χ^2/NDF: 1058977.6/47

Right: 119.012+/-0.023 χ^2/NDF: 19412996.9/48

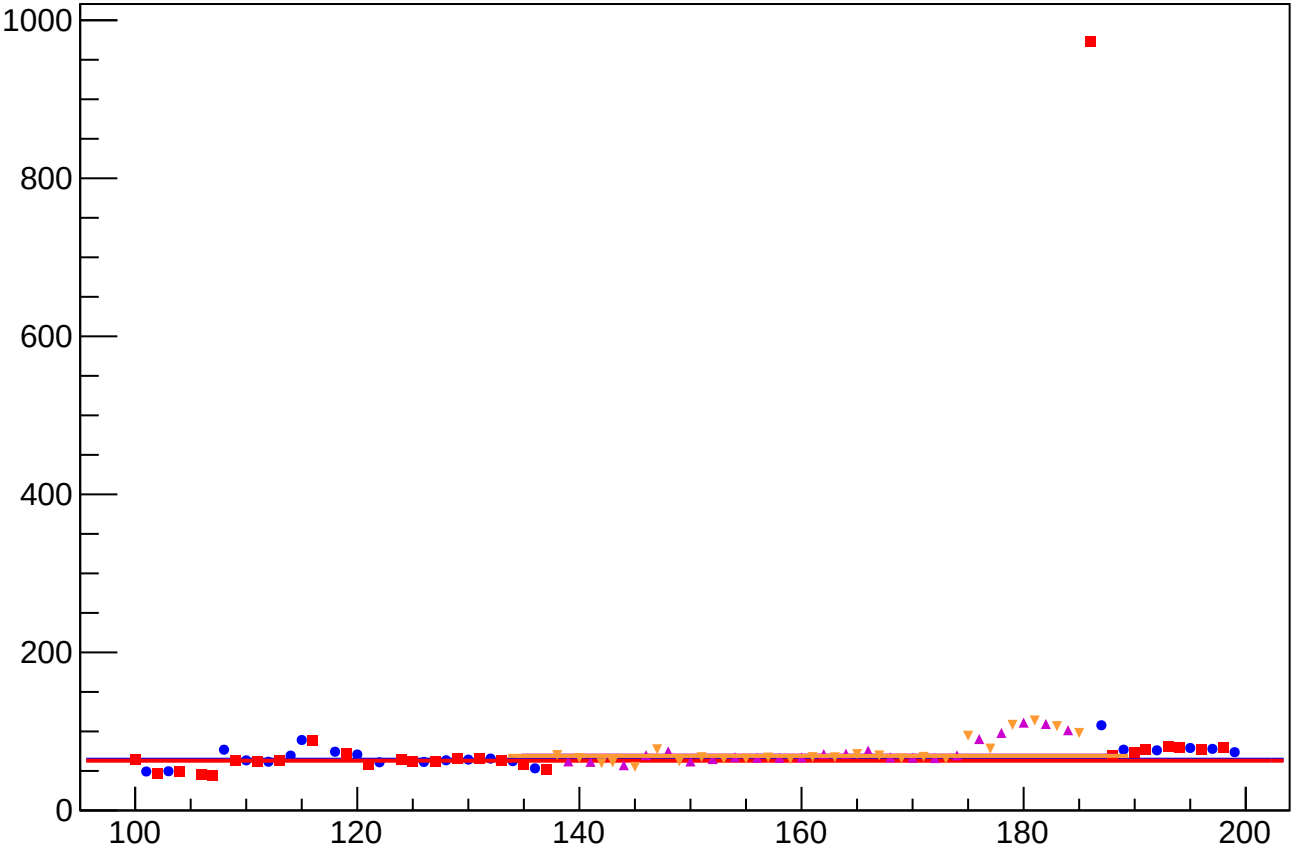
In: 161.562+/-0.027 χ^2/NDF:23211275.3/44

Out: 185.385+/-0.028 χ^2/NDF:19908158.3/51

All: 173.059+/-0.020 χ^2/NDF: 43491224.2/96


dit_asym_sam_15_avg_mean vs Slug, Sign Corrected
1500
1000
500
0
−500
−1000
100
120
140
160
180
200
Right In: 30.166+/-19.301 χ²/NDF: 21.0/21
Left Out: 6.469+/-15.977 χ²/NDF:25.1/24
Right Out: 66.793+/-18.322 χ²/NDF: 37.0/26
Left In: 30.662+/-16.503 χ²/NDF:22.5/22
Left: 18.174+/-11.479 χ²/NDF: 48.6/47
Right: 49.432+/-13.288 χ²/NDF: 60.0/48
In: 30.453+/-12.543 χ²/NDF:43.5/44
Out: 32.527+/-12.042 χ²/NDF:68.3/51
All: 31.532+/-8.687 χ²/NDF: 111.8/96

dit_asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 64.229+/-0.014 χ^2/NDF: 650123.8/21

Left Out: 69.078+/-0.011 χ^2/NDF:1074001.6/24

Right Out: 62.974+/-0.013 χ^2/NDF: 1515702.6/26

Left In: 69.436+/-0.012 χ^2/NDF:924607.6/22

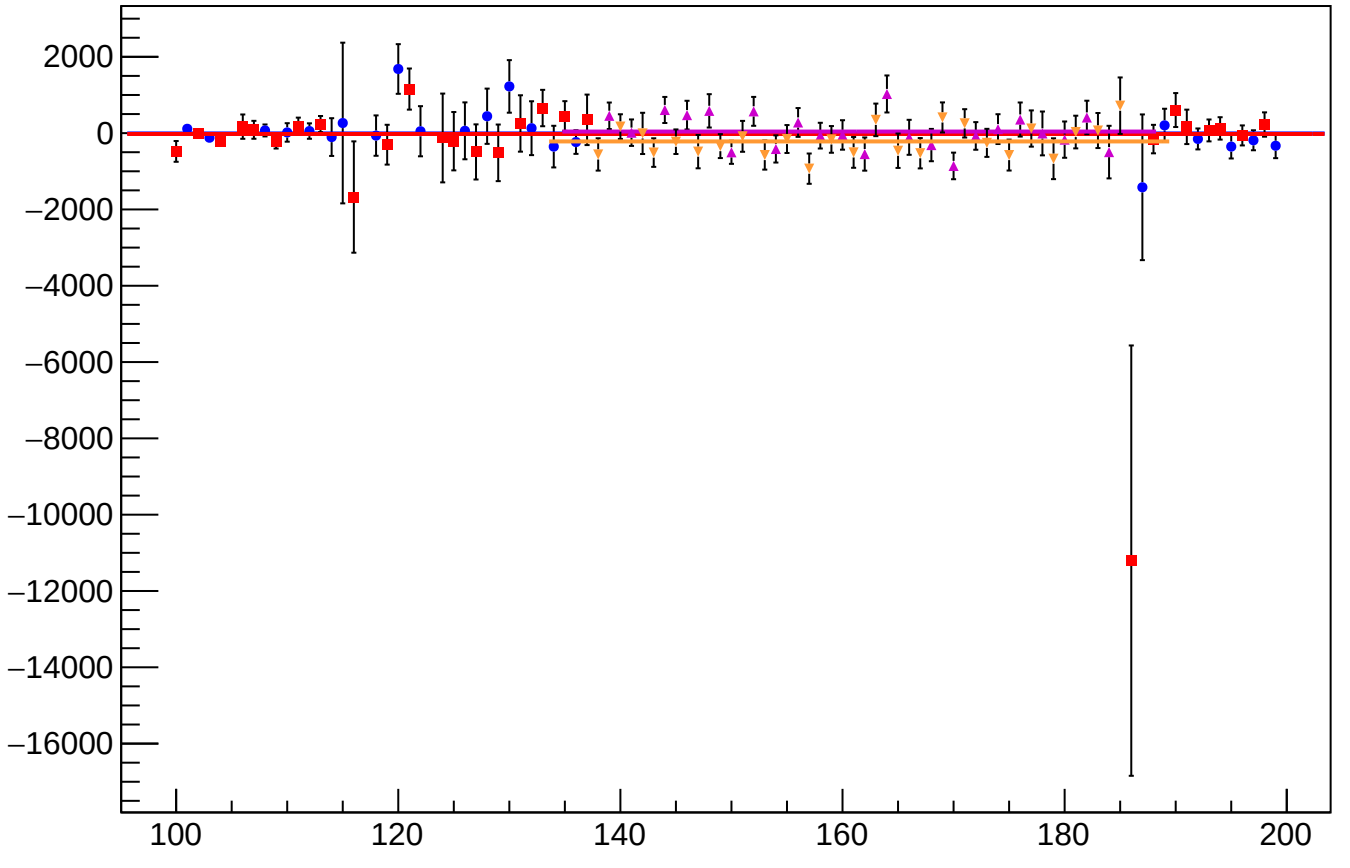
Left: 69.252+/-0.008 χ^2/NDF: 1999094.5/47

Right: 63.569+/-0.009 χ^2/NDF: 2170269.8/48

In: 67.237+/-0.009 χ^2/NDF:1658833.8/44

Out: 66.442+/-0.009 χ^2/NDF:2715801.0/51

All: 66.823+/-0.006 χ^2/NDF: 4378818.2/96



Right In: -8.875+/-49.909 χ^2/NDF: 18.7/21

Left Out: -217.349+/-80.133 χ^2/NDF:19.3/24

Right Out: -22.039+/-48.880 χ^2/NDF: 28.9/26

Left In: 41.512+/-82.256 χ^2/NDF:30.0/22

Left: -91.302+/-57.399 χ^2/NDF: 54.4/47

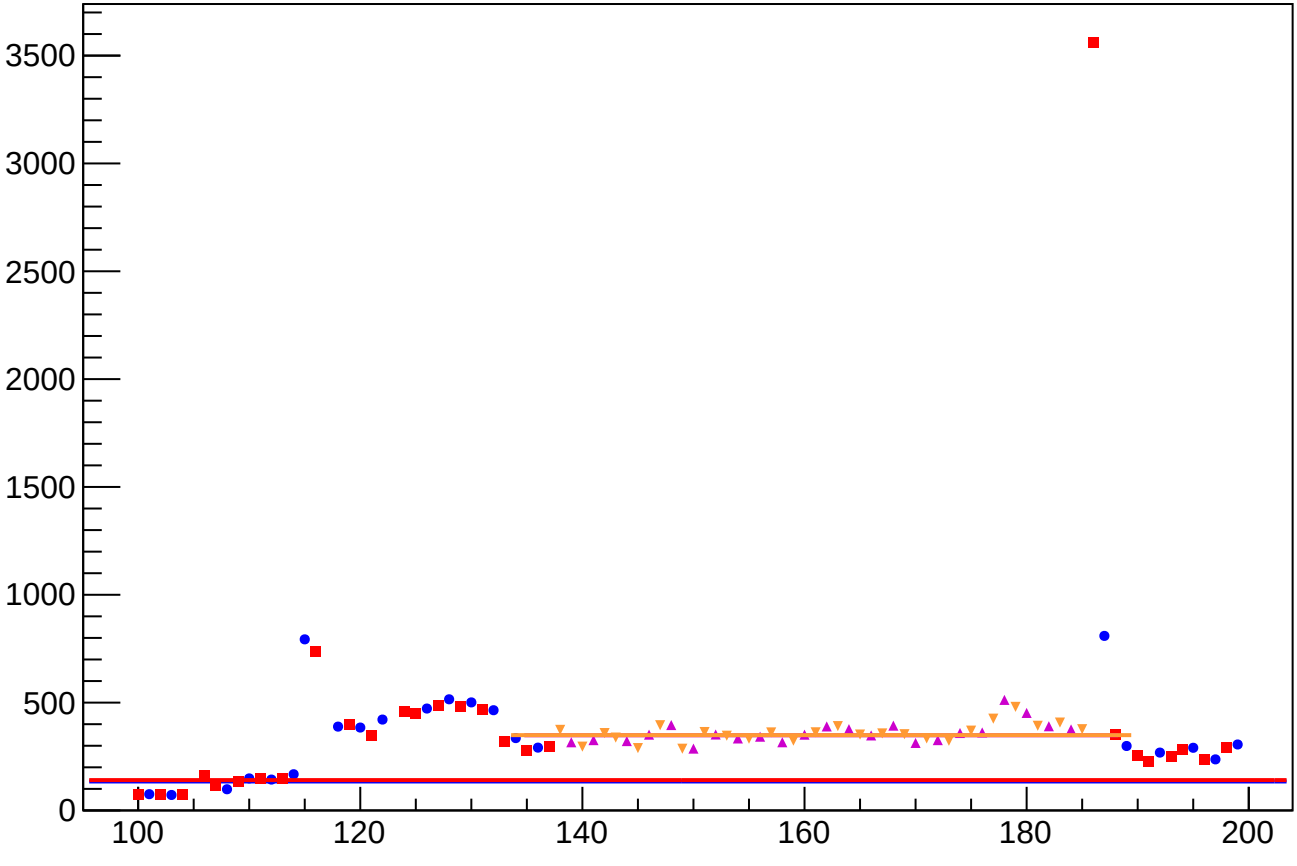
Right: -15.594+/-34.922 χ^2/NDF: 47.6/48

In: 4.683+/-42.669 χ^2/NDF:48.9/44

Out: -75.004+/-41.730 χ^2/NDF:52.5/51

All: -36.047+/-29.834 χ^2/NDF: 103.2/96

asym_sam_15_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 134.376+/-0.035 χ^2/NDF: 8306343.7/21

Left Out: 349.177+/-0.057 χ^2/NDF:524075.5/24

Right Out: 140.738+/-0.035 χ^2/NDF: 8608137.7/26

Left In: 348.560+/-0.058 χ^2/NDF:525743.6/22

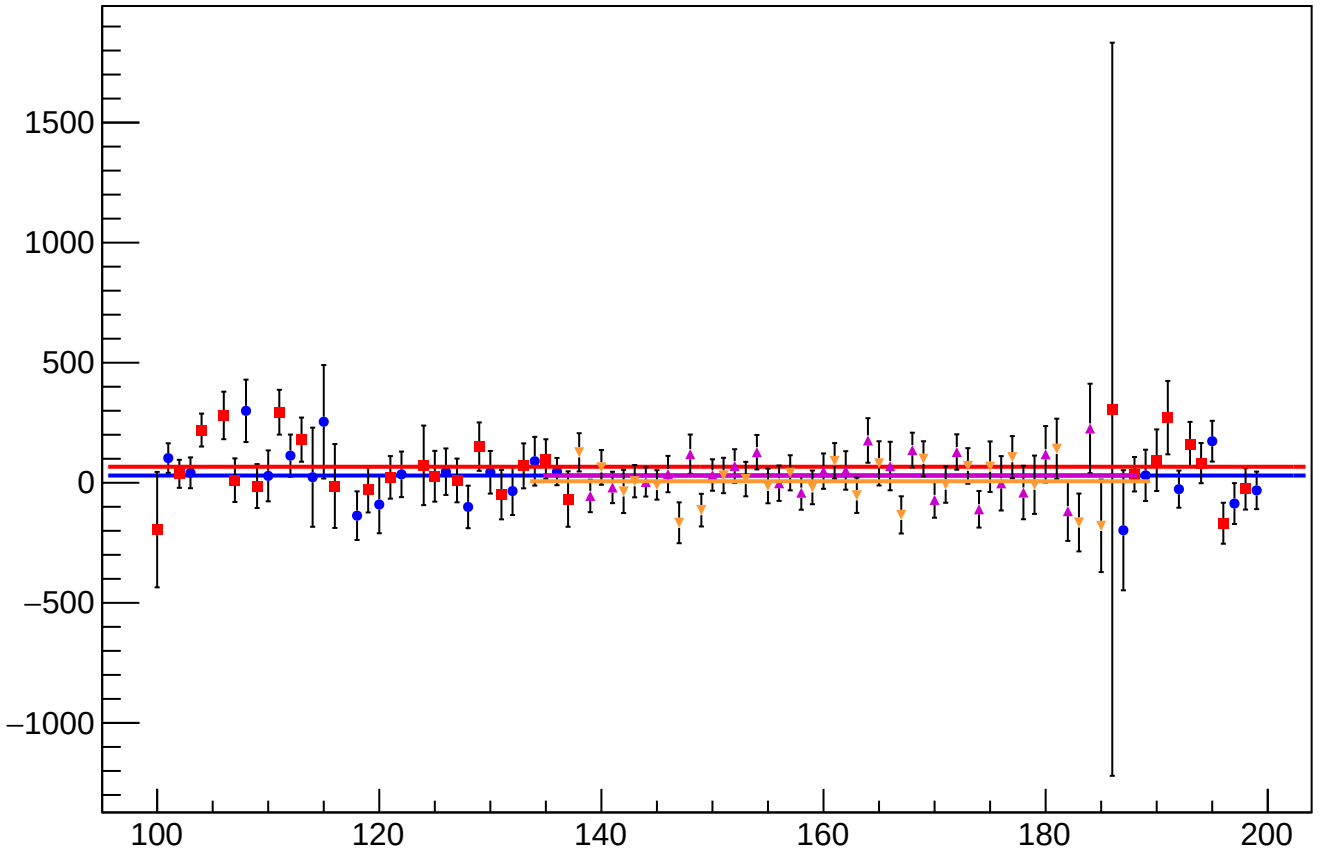
Left: 348.876+/-0.041 χ^2/NDF: 1049876.9/47

Right: 137.623+/-0.025 χ^2/NDF: 16931065.0/48

In: 192.011+/-0.030 χ^2/NDF:18743369.9/44

Out: 197.263+/-0.030 χ^2/NDF:18994579.5/51

All: 194.695+/-0.021 χ^2/NDF: 37753438.2/96



Right In: 30.167+/-19.301 χ^2/NDF: 21.0/21

Left Out: 6.469+/-15.977 χ^2/NDF:25.1/24

Right Out: 66.793+/-18.322 χ^2/NDF: 37.0/26

Left In: 30.662+/-16.503 χ^2/NDF:22.5/22

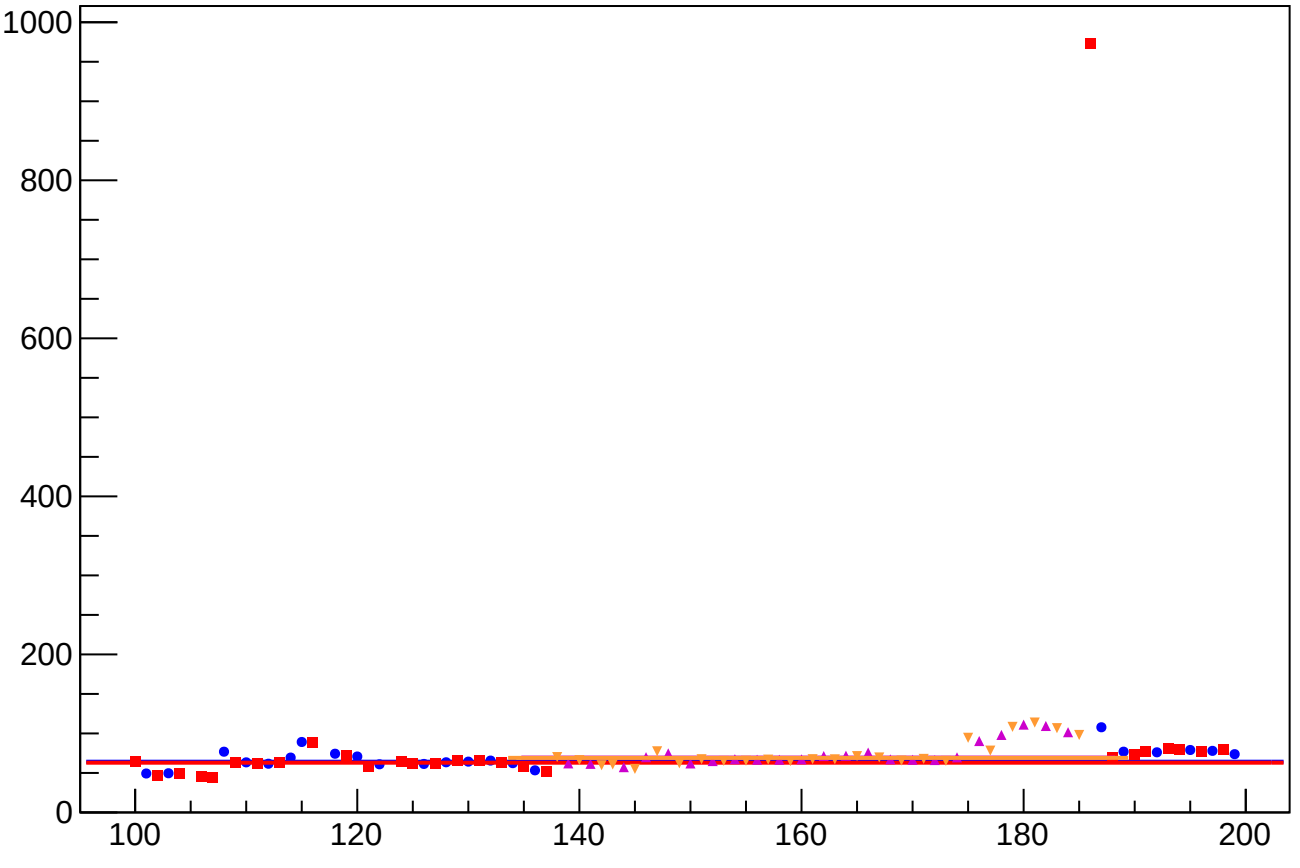
Left: 18.174+/-11.479 χ^2/NDF: 48.6/47

Right: 49.432+/-13.288 χ^2/NDF: 60.0/48

In: 30.453+/-12.543 χ^2/NDF:43.5/44

Out: 32.527+/-12.042 χ^2/NDF:68.3/51

All: 31.532+/-8.687 χ^2/NDF: 111.8/96



Right In: 64.229+/-0.014 χ^2/NDF: 650123.3/21

Left Out: 69.079+/-0.011 χ^2/NDF:1073983.7/24

Right Out: 62.974+/-0.013 χ^2/NDF: 1515700.1/26

Left In: 69.436+/-0.012 χ^2/NDF:924591.6/22

Left: 69.252+/-0.008 χ^2/NDF: 1999060.7/47

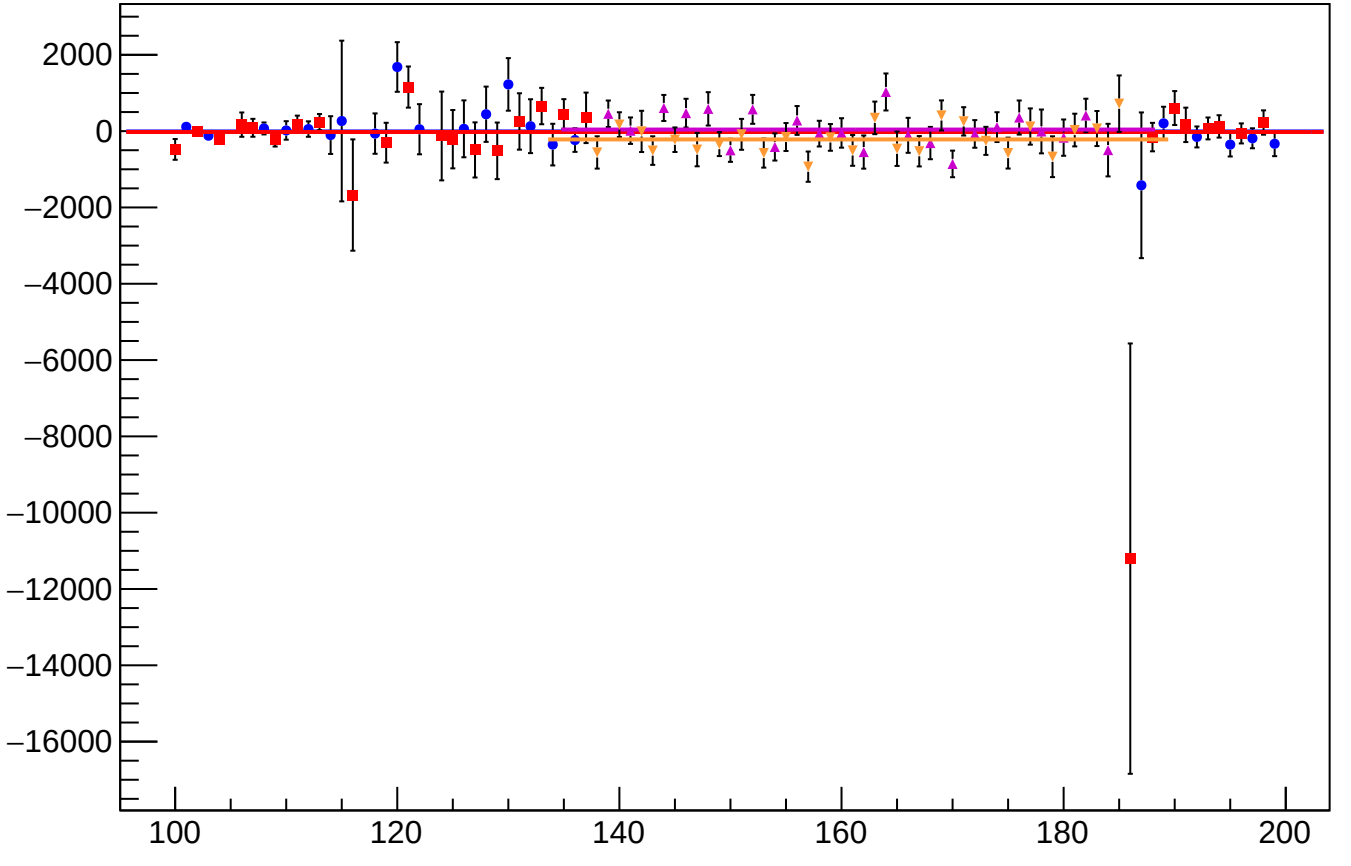
Right: 63.569+/-0.009 χ^2/NDF: 2170266.7/48

In: 67.237+/-0.009 χ^2/NDF:1658824.9/44

Out: 66.442+/-0.009 χ^2/NDF:2715787.2/51

All: 66.823+/-0.006 χ^2/NDF: 4378795.9/96

asym_sam_15_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -8.875+/-49.909 χ^2/NDF: 18.7/21

Left Out: -217.348+/-80.133 χ^2/NDF:19.3/24

Right Out: -22.039+/-48.880 χ^2/NDF: 28.9/26

Left In: 41.512+/-82.256 χ^2/NDF:30.0/22

Left: -91.302+/-57.399 χ^2/NDF: 54.4/47

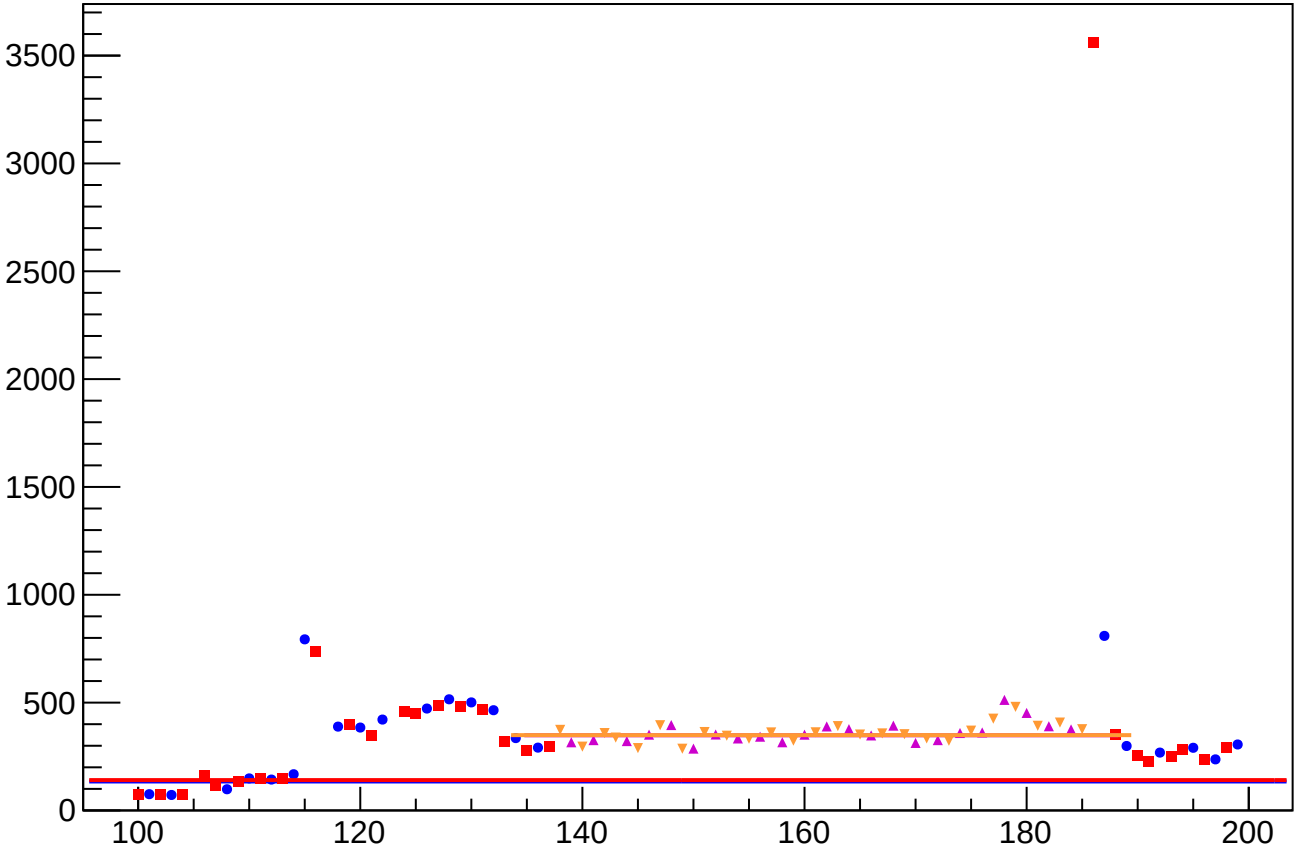
Right: -15.594+/-34.922 χ^2/NDF: 47.6/48

In: 4.683+/-42.669 χ^2/NDF:48.9/44

Out: -75.003+/-41.730 χ^2/NDF:52.5/51

All: -36.047+/-29.834 χ^2/NDF: 103.2/96

asym_sam_15_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 134.376+/-0.035 χ^2/NDF: 8306352.4/21

Left Out: 349.177+/-0.057 χ^2/NDF:524067.1/24

Right Out: 140.737+/-0.035 χ^2/NDF: 8608167.4/26

Left In: 348.560+/-0.058 χ^2/NDF:525736.6/22

Left: 348.877+/-0.041 χ^2/NDF: 1049861.4/47

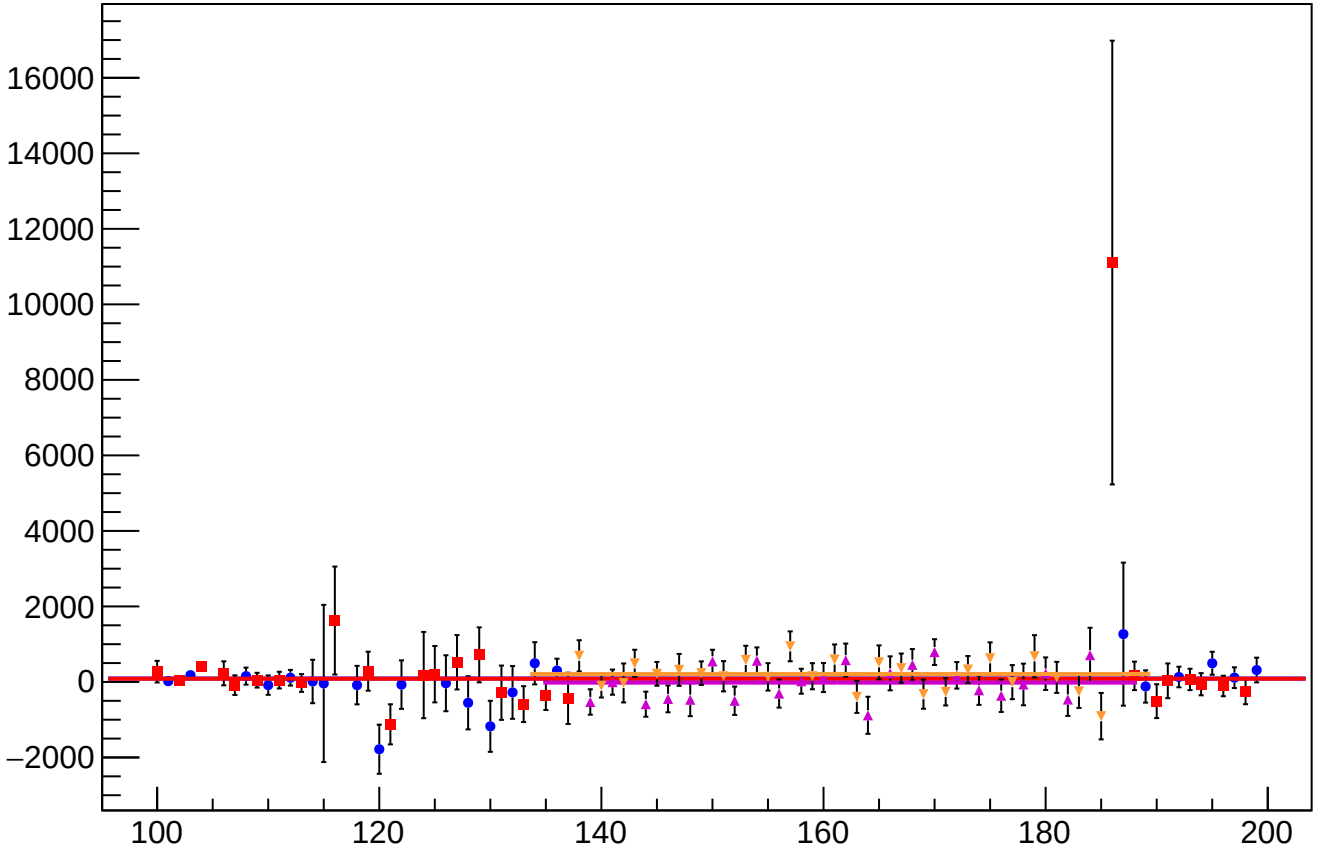
Right: 137.623+/-0.025 χ^2/NDF: 16931102.7/48

In: 192.010+/-0.030 χ^2/NDF:18743438.7/44

Out: 197.262+/-0.030 χ^2/NDF:18994681.1/51

All: 194.695+/-0.021 χ^2/NDF: 37753607.9/96

asym_sam_15_avg_mean vs Slug, Sign Corrected



Right In: 90.356+/-54.376 χ^2/NDF: 18.8/21

Left Out: 209.819+/-78.511 χ^2/NDF:21.4/24

Right Out: 85.673+/-52.596 χ^2/NDF: 28.7/26

Left In: -18.738+/-80.699 χ^2/NDF:32.0/22

Left: 98.681+/-56.273 χ^2/NDF: 57.6/47

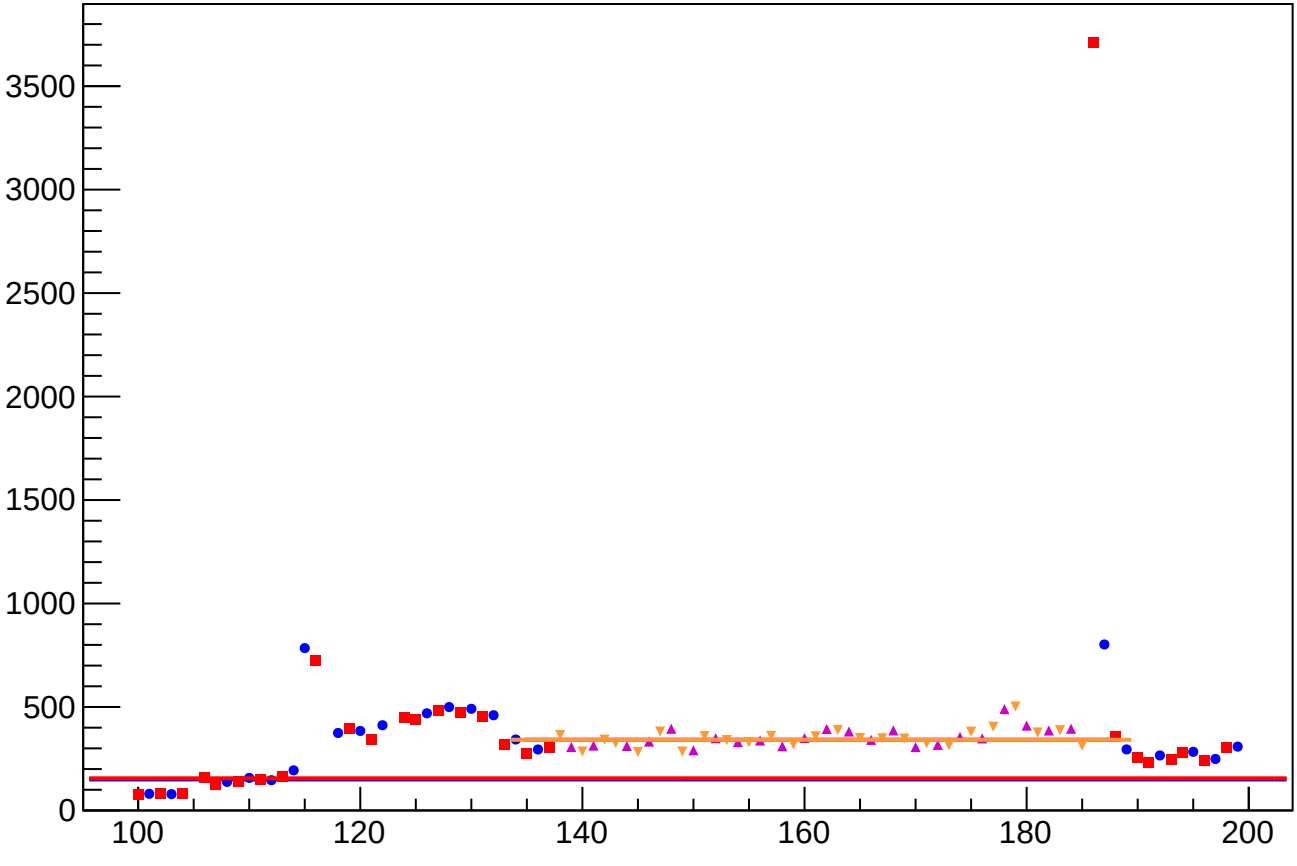
Right: 87.936+/-37.804 χ^2/NDF: 47.5/48

In: 56.291+/-45.094 χ^2/NDF:52.1/44

Out: 124.129+/-43.697 χ^2/NDF:51.8/51

All: 91.277+/-31.381 χ^2/NDF: 105.1/96

asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 149.837+/-0.038 χ^2/NDF: 7482006.6/21

Left Out: 341.585+/-0.056 χ^2/NDF:554287.8/24

Right Out: 155.286+/-0.037 χ^2/NDF: 7686423.2/26

Left In: 341.943+/-0.057 χ^2/NDF:485509.1/22

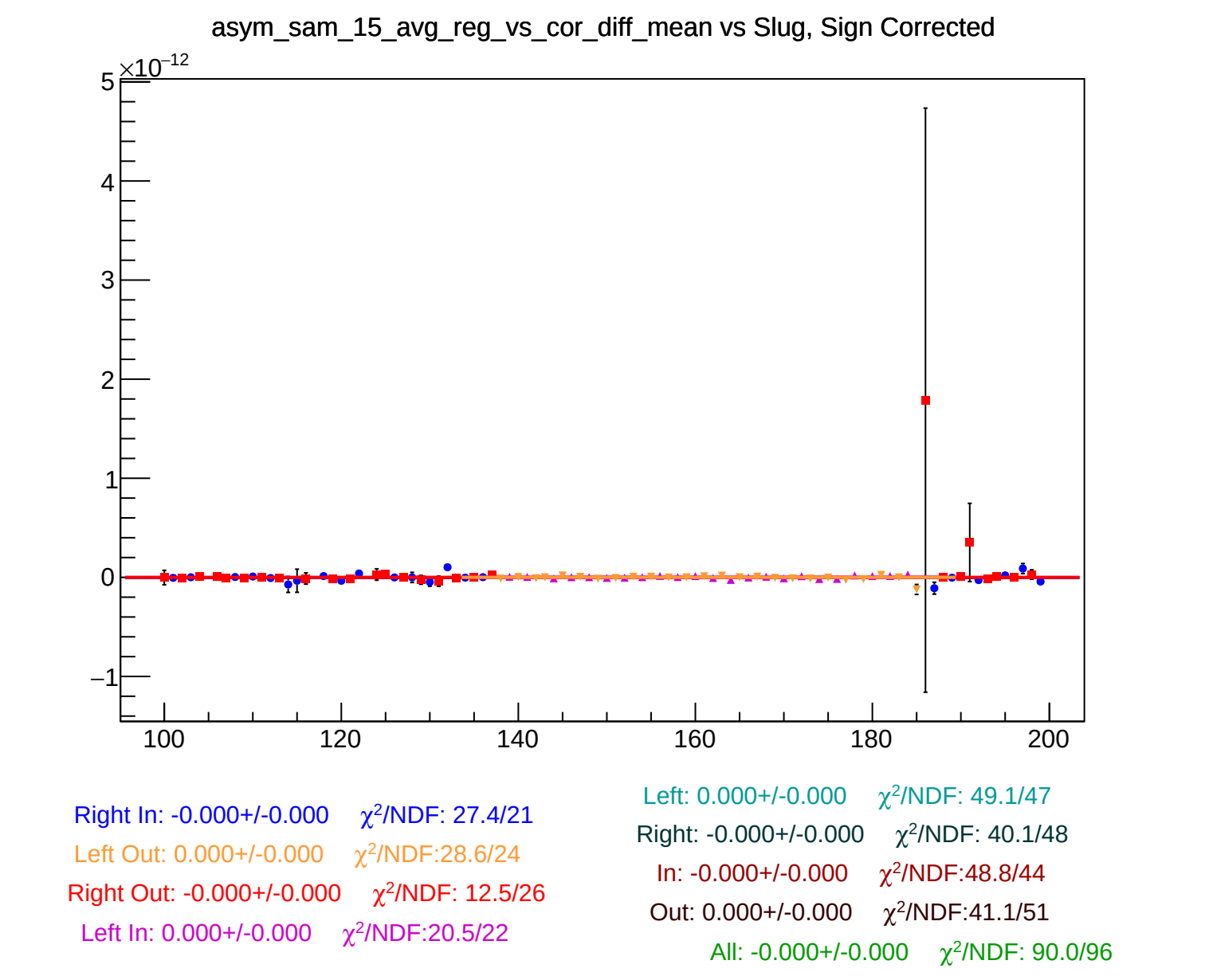
Left: 341.759+/-0.040 χ^2/NDF: 1039817.1/47

Right: 152.652+/-0.027 χ^2/NDF: 15178804.1/48

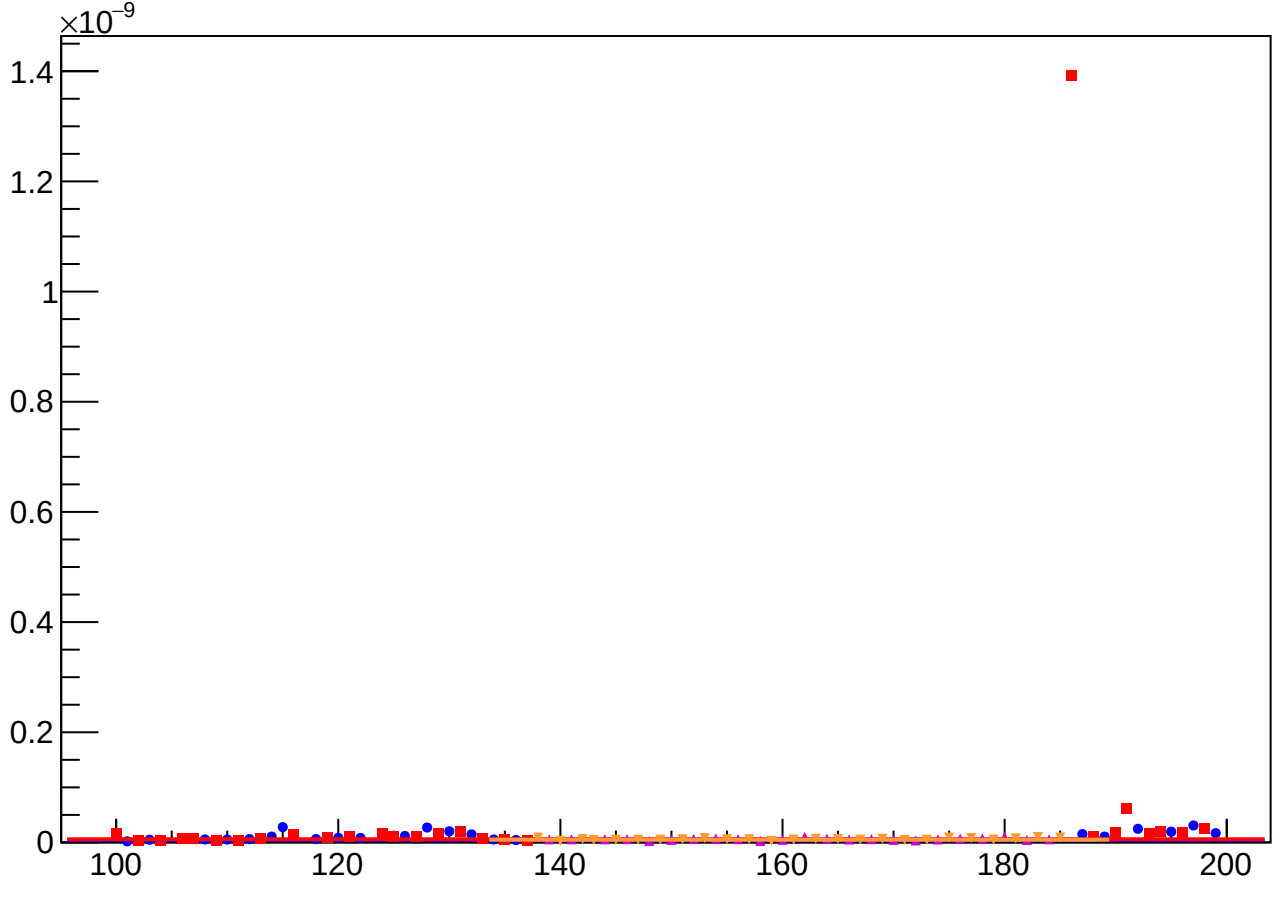
In: 209.822+/-0.032 χ^2/NDF:15762285.8/44

Out: 212.994+/-0.031 χ^2/NDF:16013624.9/51

All: 211.458+/-0.022 χ^2/NDF: 31781015.7/96


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: 27.4/21
Left Out: 0.000+/-0.000 χ²/NDF:28.6/24
Right Out: -0.000+/-0.000 χ²/NDF: 12.5/26
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: 40.1/48
In: -0.000+/-0.000 χ²/NDF:48.8/44
Out: 0.000+/-0.000 χ²/NDF:41.1/51
All: -0.000+/-0.000 χ²/NDF: 90.0/96

asym_sam_15_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 4511239.6/21

Left Out: 0.000+/-0.000 χ^2/NDF:1294137.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3584775.6/26

Left In: 0.000+/-0.000 χ^2/NDF:1225248.2/22

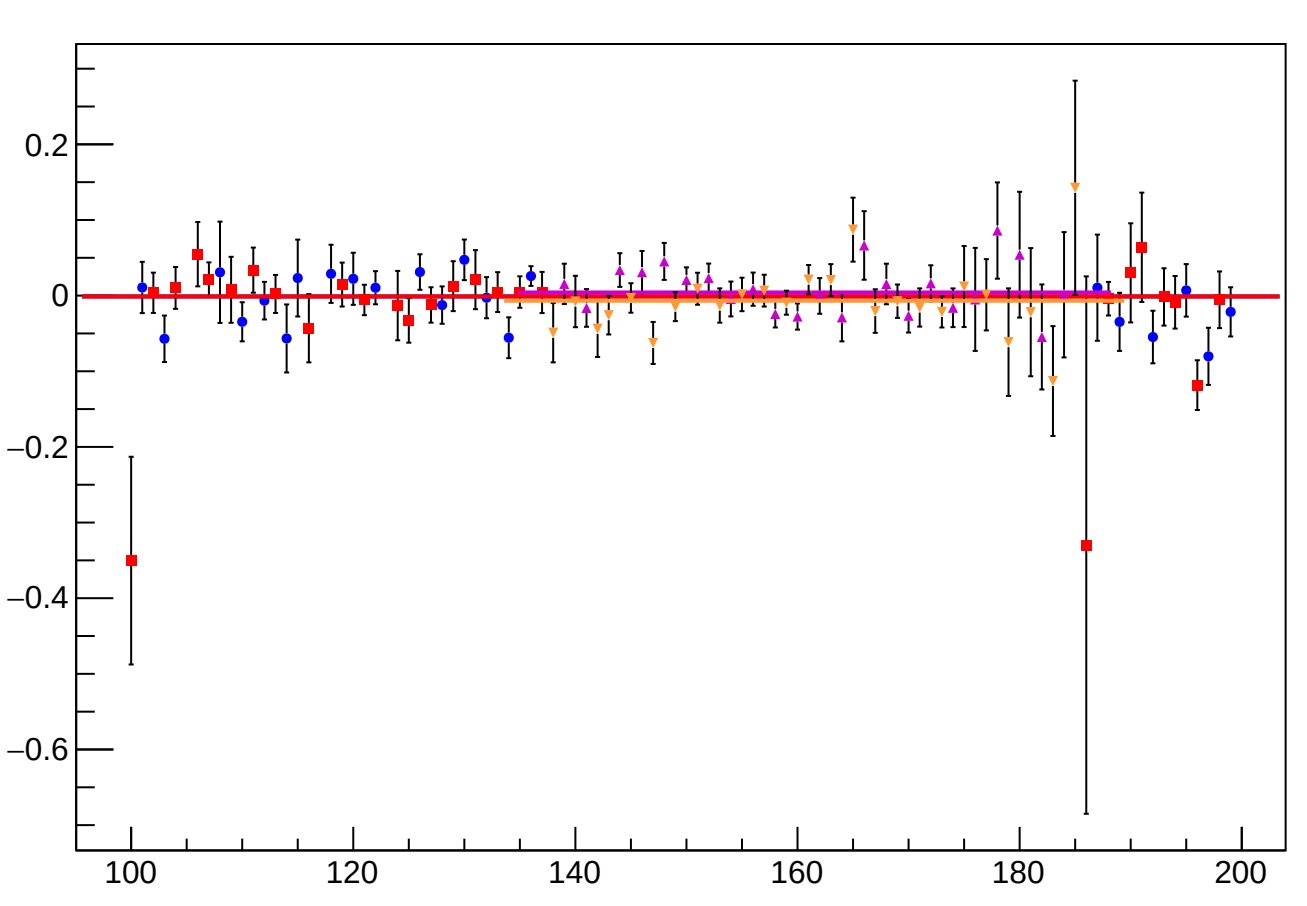
Left: 0.000+/-0.000 χ^2/NDF: 2519997.3/47

Right: 0.000+/-0.000 χ^2/NDF: 8417642.7/48

In: 0.000+/-0.000 χ^2/NDF:5866814.0/44

Out: 0.000+/-0.000 χ^2/NDF:4953794.8/51

All: 0.000+/-0.000 χ^2/NDF: 10955297.3/96



Right In: -0.001+/-0.006 χ^2/NDF: 30.2/21

Left Out: -0.007+/-0.005 χ^2/NDF:21.8/24

Right Out: -0.001+/-0.006 χ^2/NDF: 28.8/26

Left In: 0.004+/-0.005 χ^2/NDF:23.2/22

Left: -0.001+/-0.004 χ^2/NDF: 47.1/47

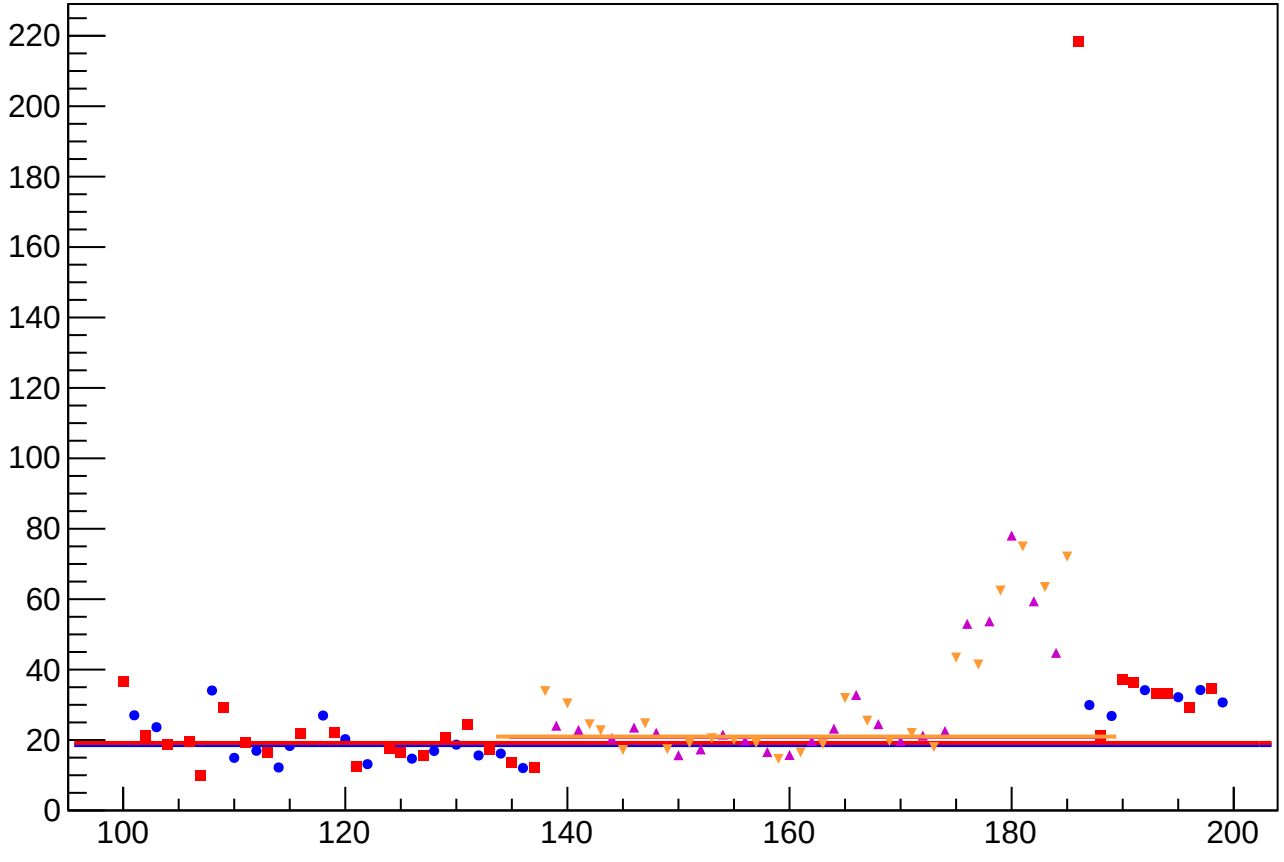
Right: -0.001+/-0.004 χ^2/NDF: 59.0/48

In: 0.002+/-0.004 χ^2/NDF:53.9/44

Out: -0.004+/-0.004 χ^2/NDF:51.0/51

All: -0.001+/-0.003 χ^2/NDF: 106.1/96

asym_sam_15_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 18.566+/-0.004 χ^2/NDF: 2674994.3/21

Left Out: 20.981+/-0.004 χ^2/NDF:4467011.5/24

Right Out: 19.172+/-0.004 χ^2/NDF: 3165406.0/26

Left In: 20.868+/-0.004 χ^2/NDF:3534877.7/22

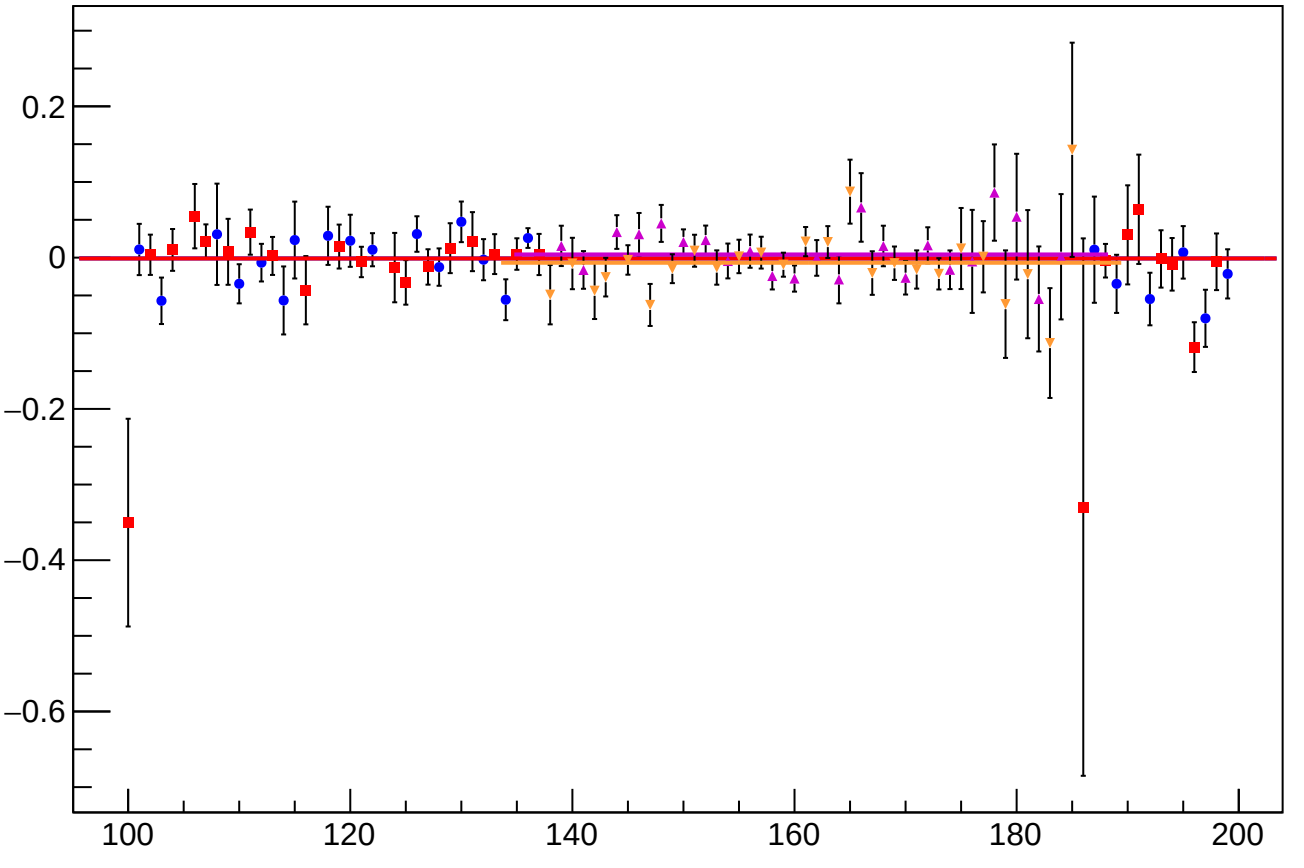
Left: 20.925+/-0.003 χ^2/NDF: 8002354.8/47

Right: 18.875+/-0.003 χ^2/NDF: 5850629.8/48

In: 19.869+/-0.003 χ^2/NDF:6374082.2/44

Out: 20.195+/-0.003 χ^2/NDF:7737467.2/51

All: 20.035+/-0.002 χ^2/NDF: 14118356.6/96



Right In: -0.001+/-0.006 χ^2/NDF: 30.2/21

Left Out: -0.007+/-0.005 χ^2/NDF:21.8/24

Right Out: -0.001+/-0.006 χ^2/NDF: 28.8/26

Left In: 0.004+/-0.005 χ^2/NDF:23.2/22

Left: -0.001+/-0.004 χ^2/NDF: 47.1/47

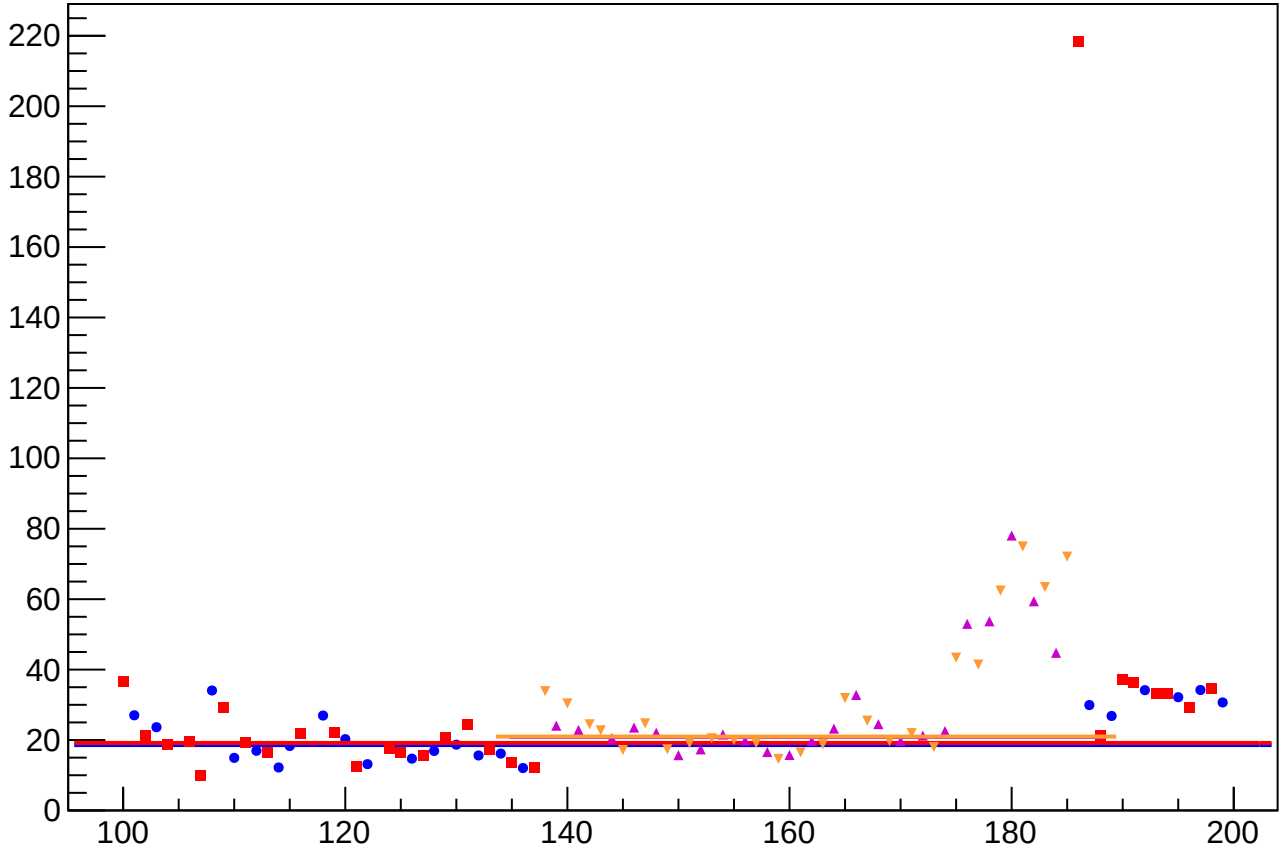
Right: -0.001+/-0.004 χ^2/NDF: 59.0/48

In: 0.002+/-0.004 χ^2/NDF:53.9/44

Out: -0.004+/-0.004 χ^2/NDF:51.0/51

All: -0.001+/-0.003 χ^2/NDF: 106.1/96

asym_sam_15_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 18.566+/-0.004 χ^2/NDF: 2674994.3/21

Left Out: 20.981+/-0.004 χ^2/NDF:4467011.5/24

Right Out: 19.172+/-0.004 χ^2/NDF: 3165406.0/26

Left In: 20.868+/-0.004 χ^2/NDF:3534877.7/22

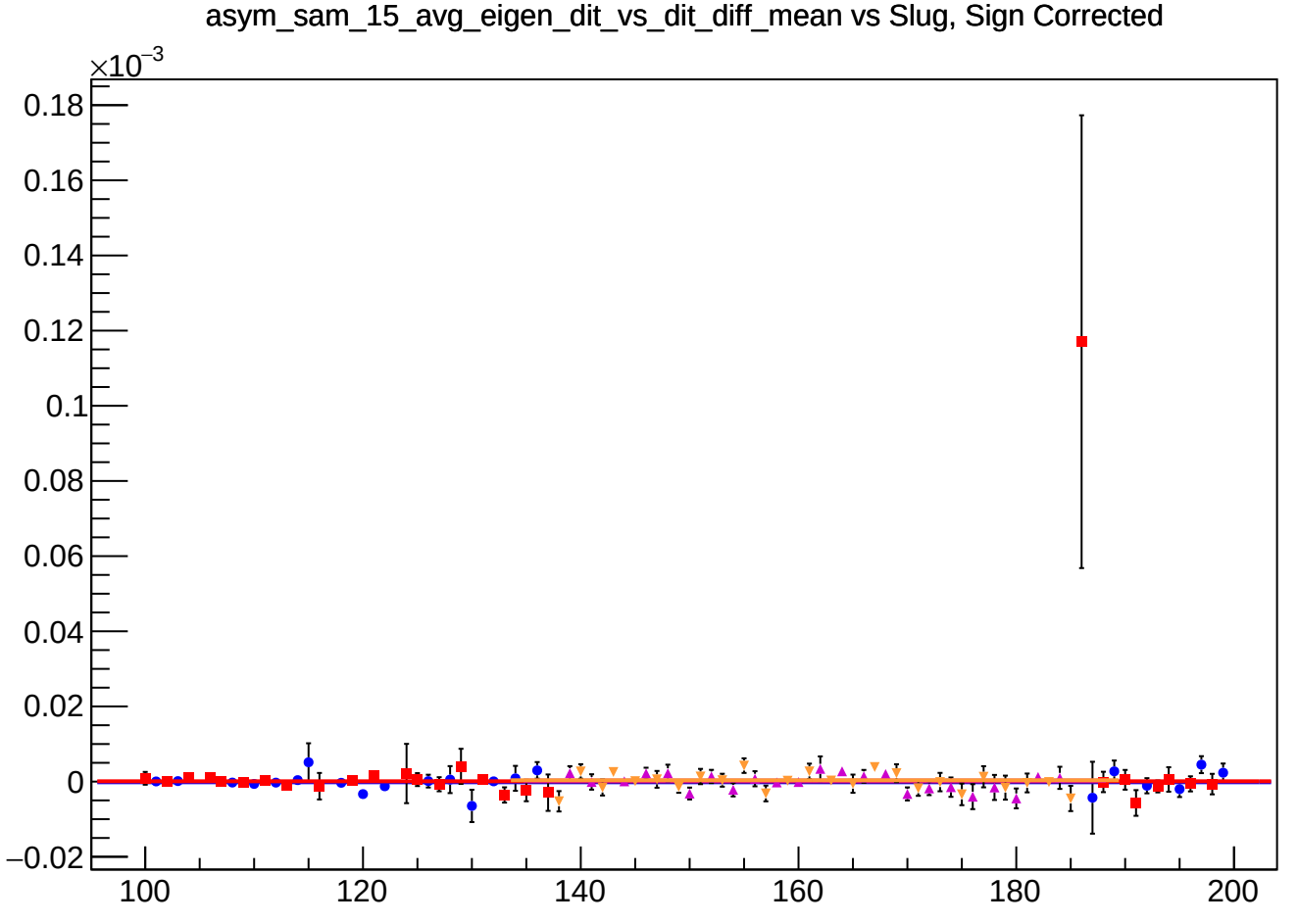
Left: 20.925+/-0.003 χ^2/NDF: 8002354.8/47

Right: 18.875+/-0.003 χ^2/NDF: 5850629.8/48

In: 19.869+/-0.003 χ^2/NDF:6374082.2/44

Out: 20.195+/-0.003 χ^2/NDF:7737467.2/51

All: 20.035+/-0.002 χ^2/NDF: 14118356.6/96



Right In: -0.000+/-0.000 χ^2/NDF: 22.1/21

Left Out: 0.000+/-0.000 χ^2/NDF:34.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 27.9/26

Left In: 0.000+/-0.000 χ^2/NDF:31.6/22

Left: 0.000+/-0.000 χ^2/NDF: 65.9/47

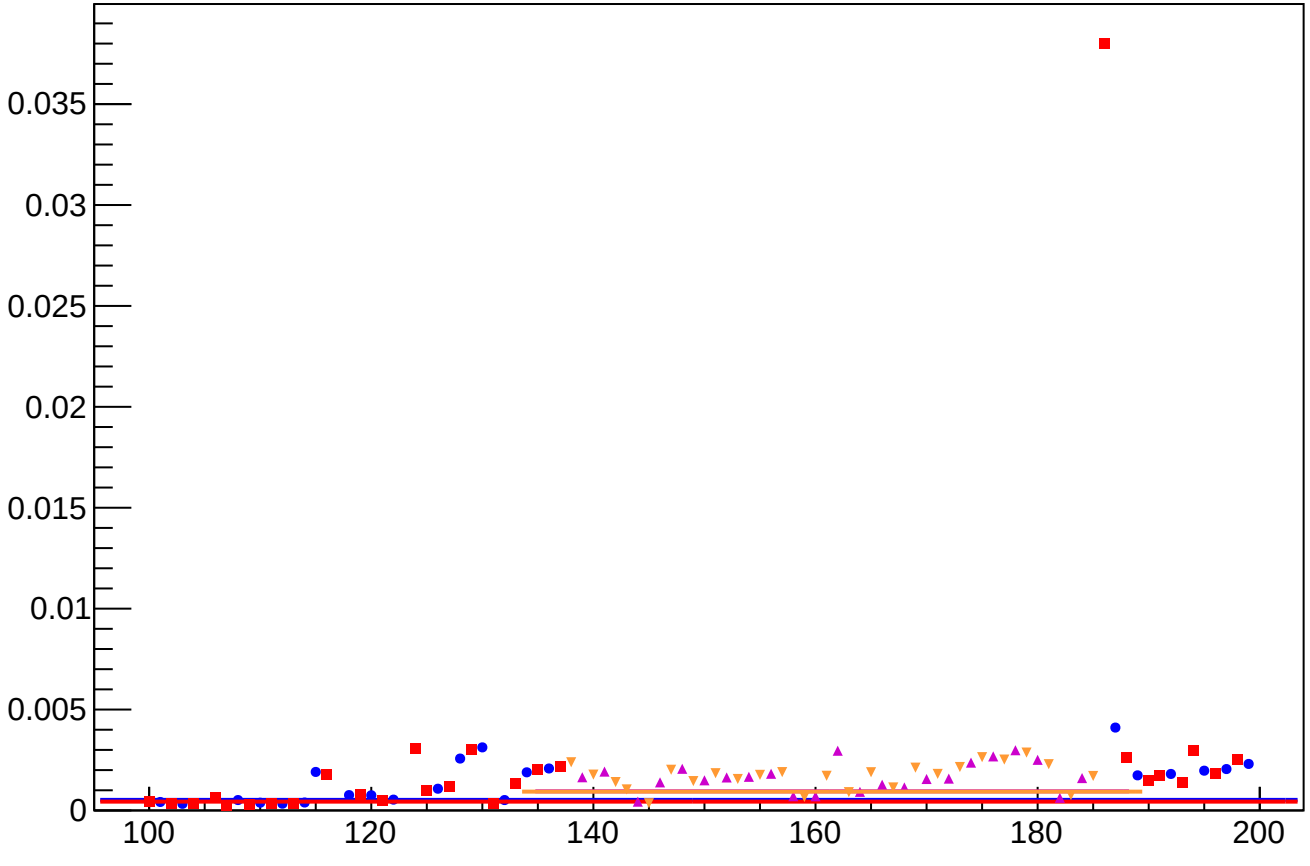
Right: -0.000+/-0.000 χ^2/NDF: 50.9/48

In: -0.000+/-0.000 χ^2/NDF:55.4/44

Out: 0.000+/-0.000 χ^2/NDF:62.9/51

All: 0.000+/-0.000 χ^2/NDF: 119.0/96

asym_sam_15_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 8546038.6/21

Left Out: 0.001+/-0.000 χ^2/NDF:11996378.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10932741.9/26

Left In: 0.001+/-0.000 χ^2/NDF:9470540.4/22

Left: 0.001+/-0.000 χ^2/NDF: 21470091.7/47

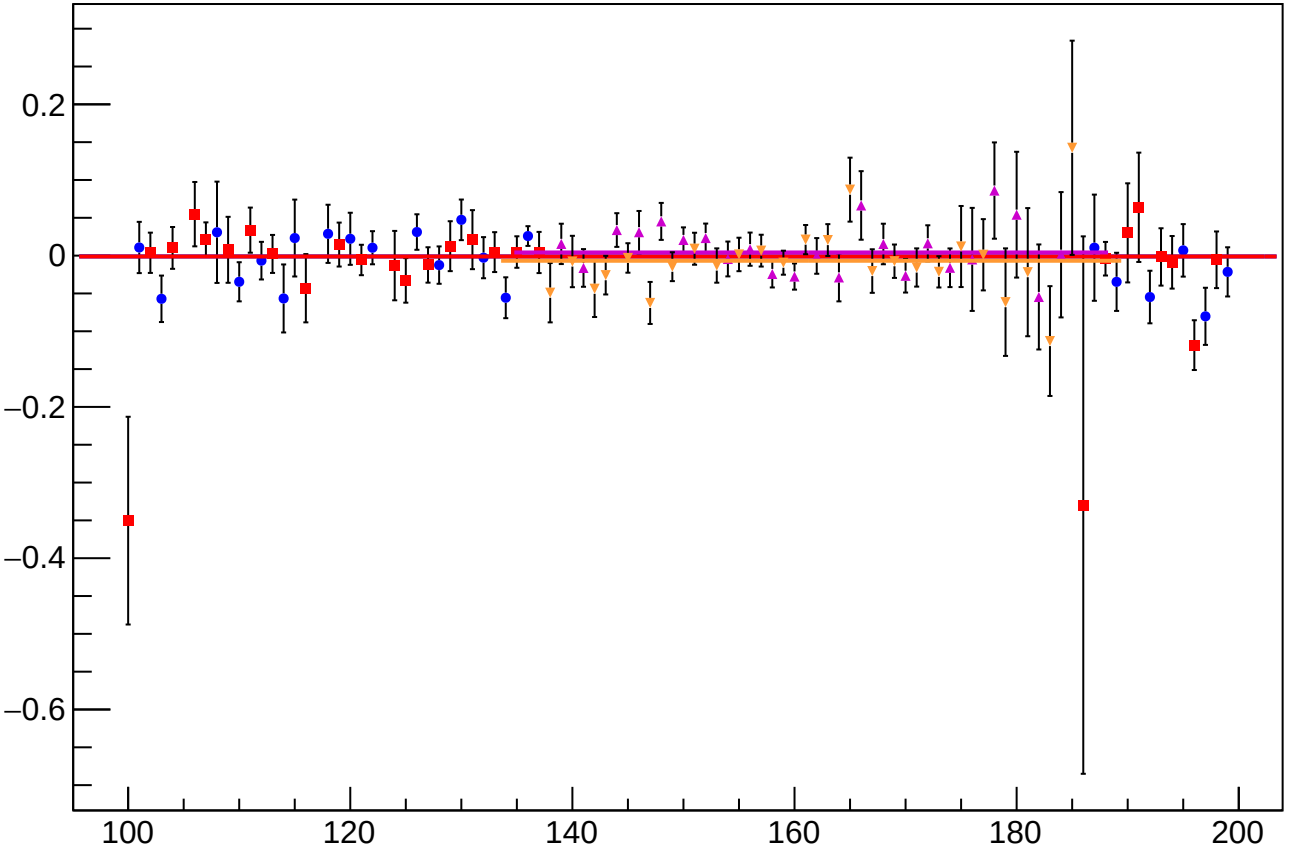
Right: 0.000+/-0.000 χ^2/NDF: 19691335.6/48

In: 0.001+/-0.000 χ^2/NDF:21268627.0/44

Out: 0.001+/-0.000 χ^2/NDF:27989329.3/51

All: 0.001+/-0.000 χ^2/NDF: 49676552.1/96

asym_sam_15_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.001+/-0.006 χ^2/NDF: 30.2/21

Left Out: -0.007+/-0.005 χ^2/NDF:21.8/24

Right Out: -0.001+/-0.006 χ^2/NDF: 28.8/26

Left In: 0.004+/-0.005 χ^2/NDF:23.2/22

Left: -0.001+/-0.004 χ^2/NDF: 47.1/47

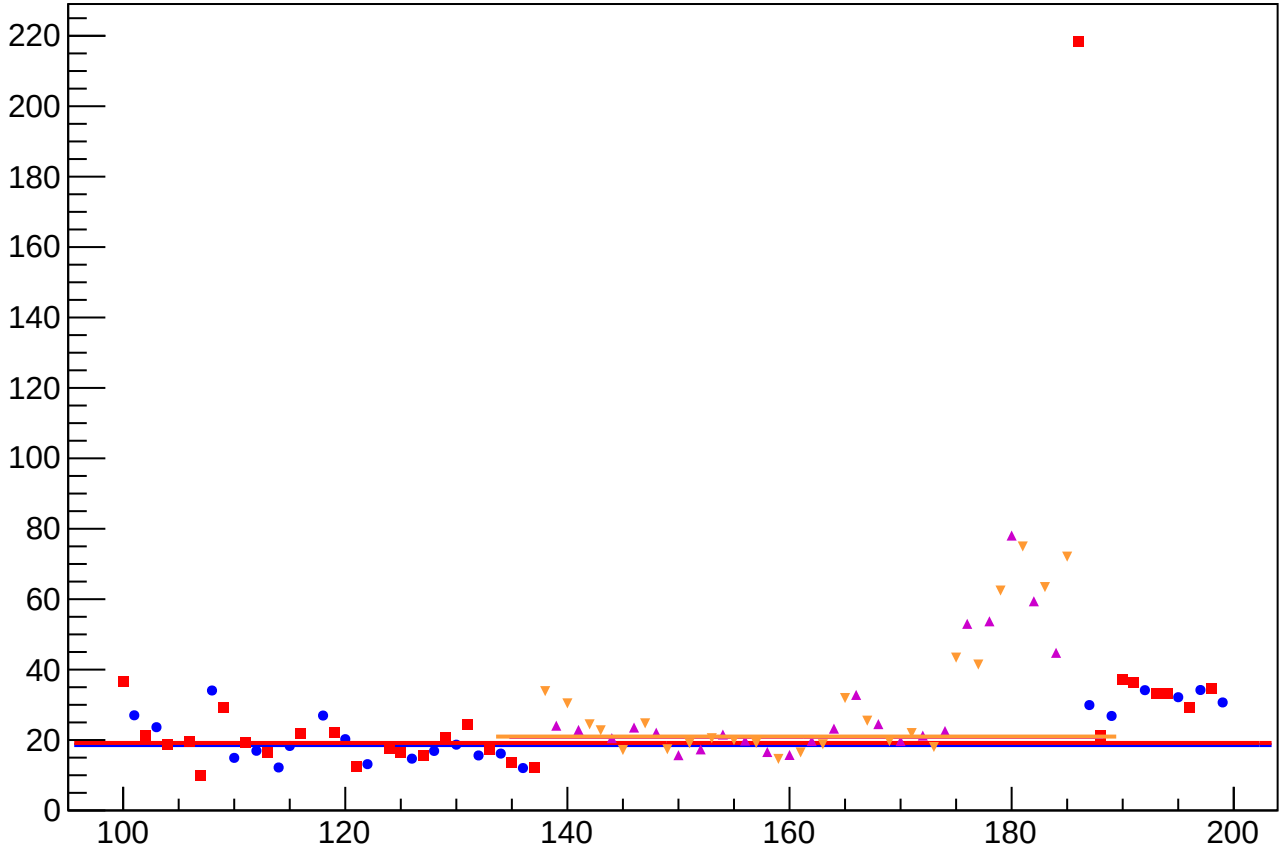
Right: -0.001+/-0.004 χ^2/NDF: 59.0/48

In: 0.002+/-0.004 χ^2/NDF:53.9/44

Out: -0.004+/-0.004 χ^2/NDF:51.0/51

All: -0.001+/-0.003 χ^2/NDF: 106.1/96

asym_sam_15_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 18.566+/-0.004 χ^2/NDF: 2675012.2/21

Left Out: 20.981+/-0.004 χ^2/NDF:4466984.6/24

Right Out: 19.172+/-0.004 χ^2/NDF: 3165426.6/26

Left In: 20.868+/-0.004 χ^2/NDF:3534923.5/22

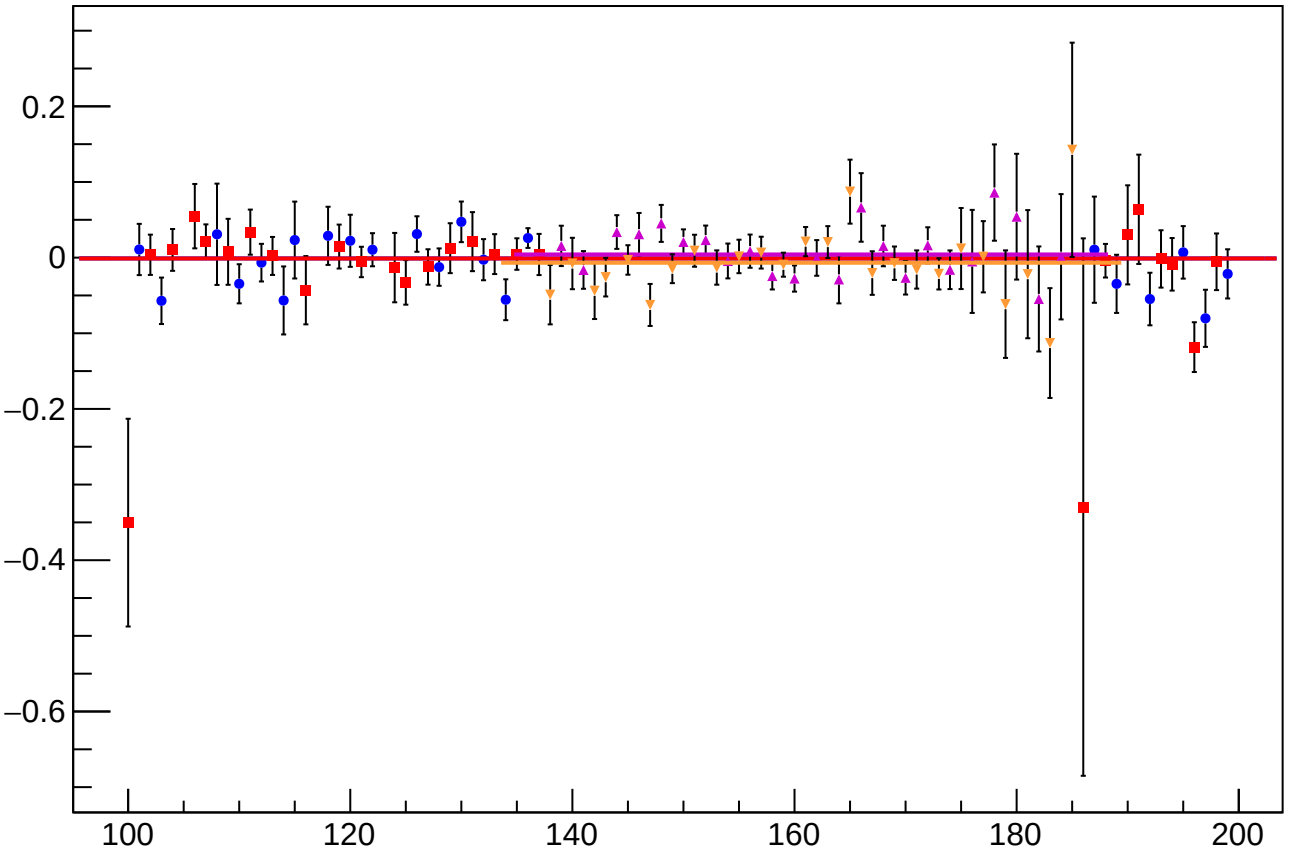
Left: 20.925+/-0.003 χ^2/NDF: 8002374.3/47

Right: 18.874+/-0.003 χ^2/NDF: 5850666.4/48

In: 19.869+/-0.003 χ^2/NDF:6374181.9/44

Out: 20.195+/-0.003 χ^2/NDF:7737505.2/51

All: 20.035+/-0.002 χ^2/NDF: 14118494.8/96



Right In: -0.001+/-0.006 χ^2/NDF: 30.2/21

Left Out: -0.007+/-0.005 χ^2/NDF:21.8/24

Right Out: -0.001+/-0.006 χ^2/NDF: 28.8/26

Left In: 0.004+/-0.005 χ^2/NDF:23.2/22

Left: -0.001+/-0.004 χ^2/NDF: 47.1/47

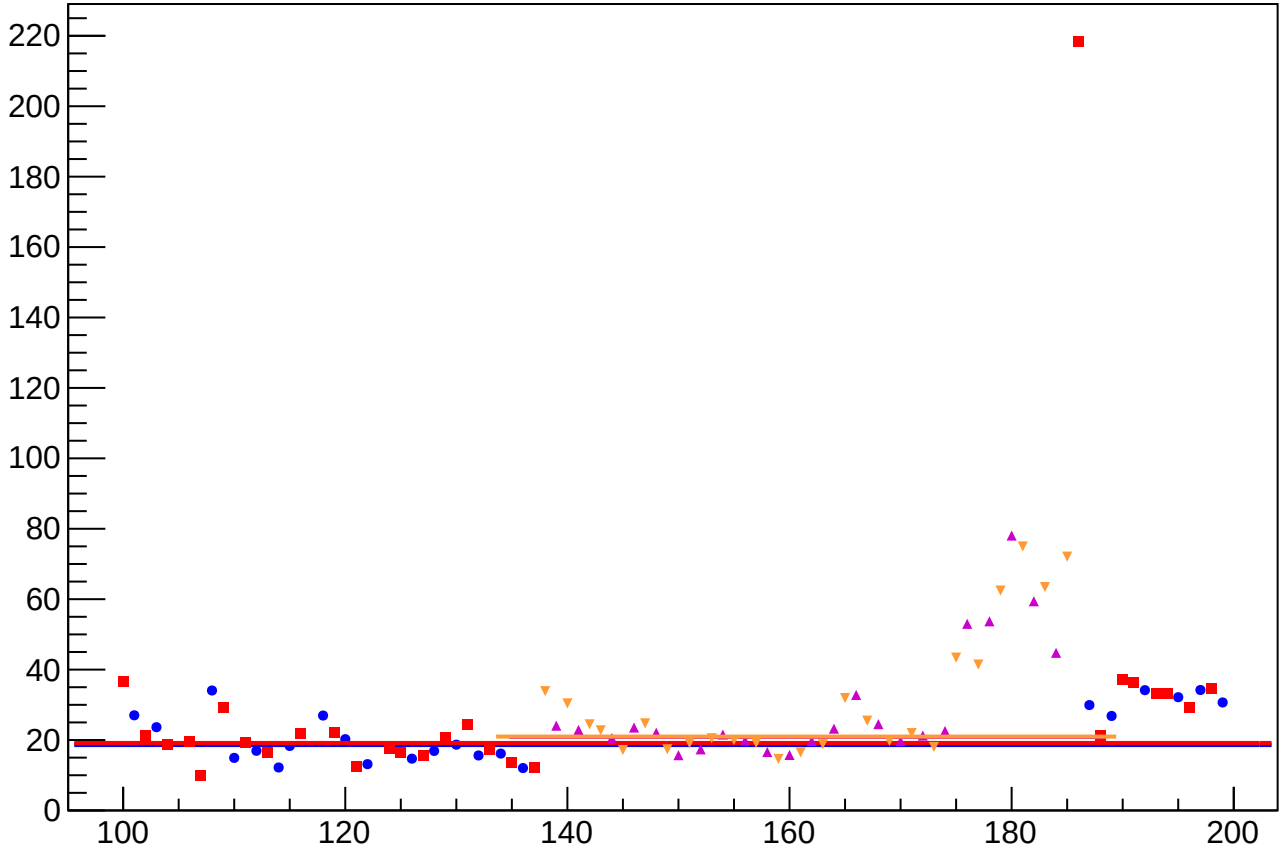
Right: -0.001+/-0.004 χ^2/NDF: 59.0/48

In: 0.002+/-0.004 χ^2/NDF:53.9/44

Out: -0.004+/-0.004 χ^2/NDF:51.0/51

All: -0.001+/-0.003 χ^2/NDF: 106.1/96

asym_sam_15_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 18.566+/-0.004 χ^2/NDF: 2675012.2/21

Left Out: 20.981+/-0.004 χ^2/NDF:4466984.6/24

Right Out: 19.172+/-0.004 χ^2/NDF: 3165426.6/26

Left In: 20.868+/-0.004 χ^2/NDF:3534923.5/22

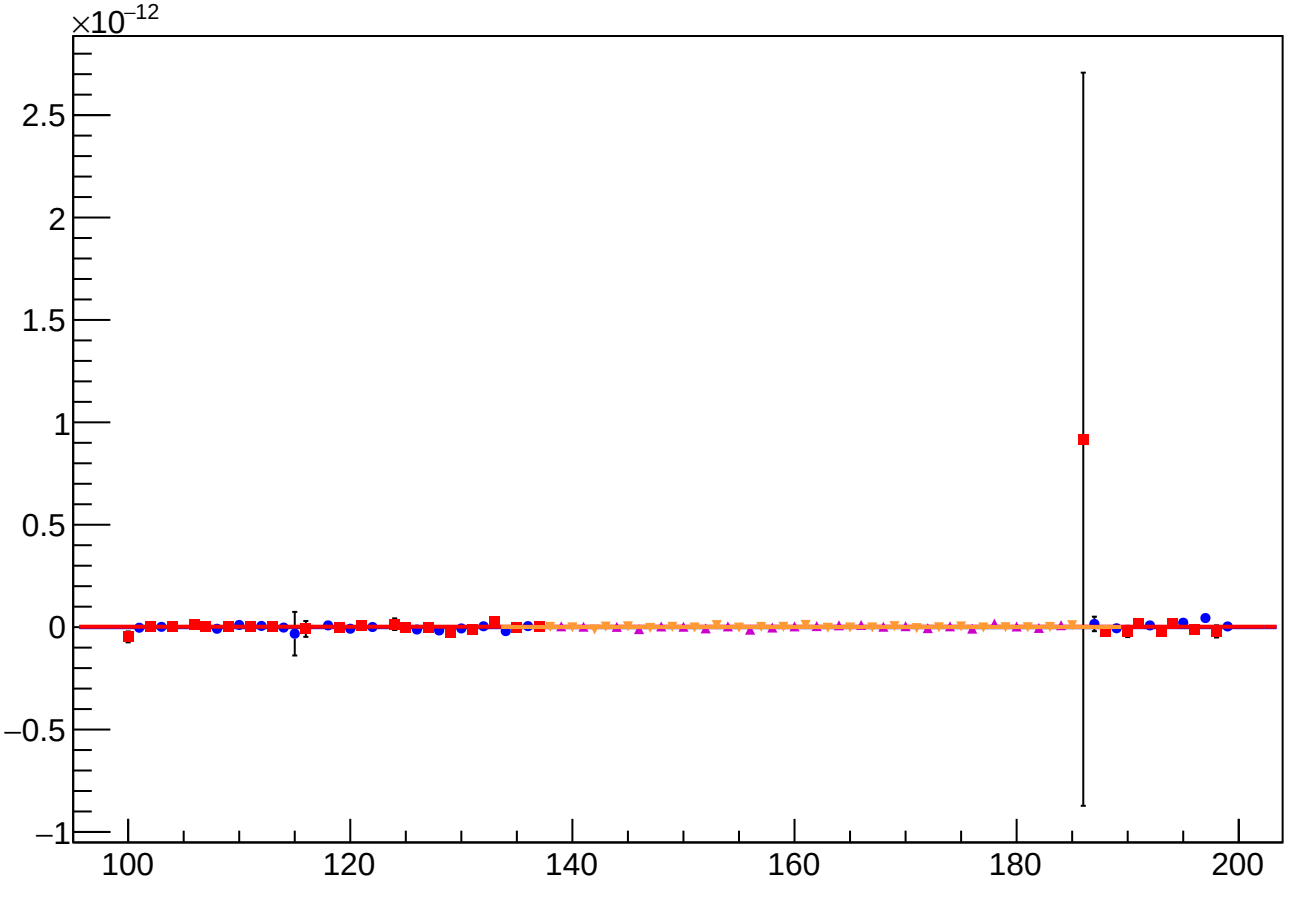
Left: 20.925+/-0.003 χ^2/NDF: 8002374.3/47

Right: 18.874+/-0.003 χ^2/NDF: 5850666.4/48

In: 19.869+/-0.003 χ^2/NDF:6374181.9/44

Out: 20.195+/-0.003 χ^2/NDF:7737505.2/51

All: 20.035+/-0.002 χ^2/NDF: 14118494.8/96



Right In: -0.000+/-0.000 χ^2/NDF: 18.6/21

Left Out: 0.000+/-0.000 χ^2/NDF:14.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 21.6/26

Left In: 0.000+/-0.000 χ^2/NDF:26.5/22

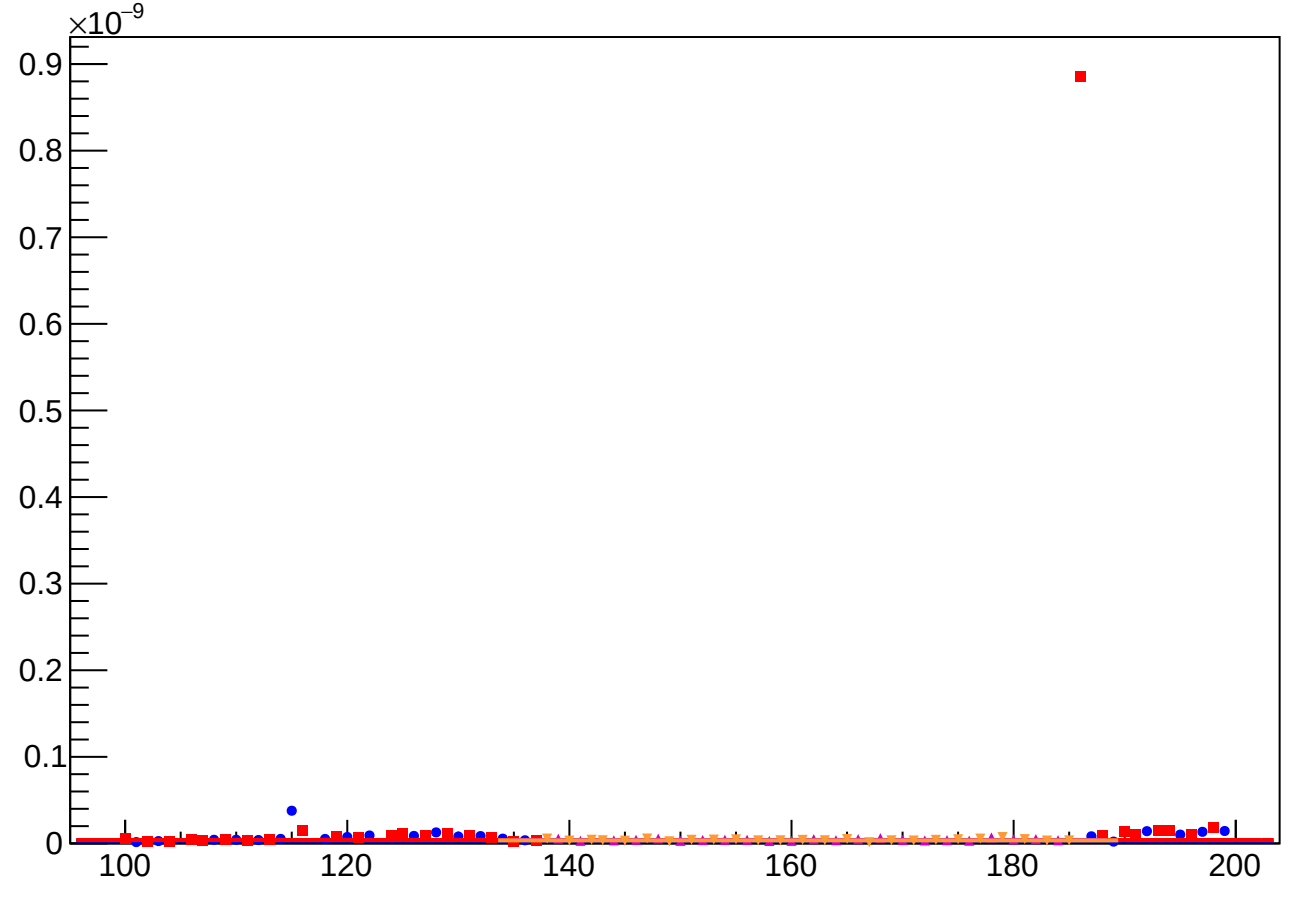
Left: 0.000+/-0.000 χ^2/NDF: 41.0/47

Right: 0.000+/-0.000 χ^2/NDF: 41.1/48

In: 0.000+/-0.000 χ^2/NDF:45.2/44

Out: 0.000+/-0.000 χ^2/NDF:36.8/51

All: 0.000+/-0.000 χ^2/NDF: 82.2/96



Right In: 0.000+/-0.000 χ^2/NDF: 5135198.0/21

Left Out: 0.000+/-0.000 χ^2/NDF:2527443.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5801496.5/26

Left In: 0.000+/-0.000 χ^2/NDF:1198286.8/22

Left: 0.000+/-0.000 χ^2/NDF: 3840820.1/47

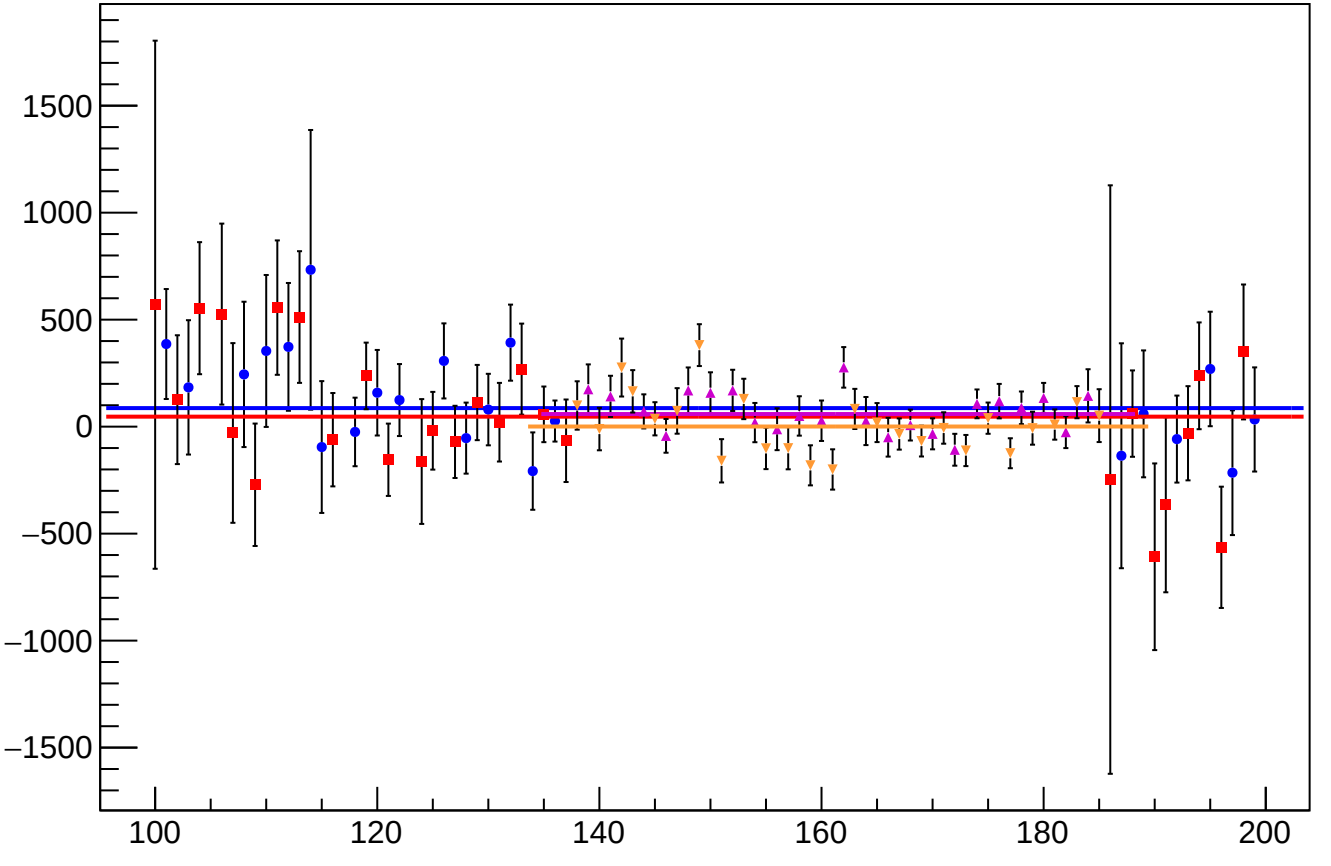
Right: 0.000+/-0.000 χ^2/NDF: 11128546.1/48

In: 0.000+/-0.000 χ^2/NDF:6547487.5/44

Out: 0.000+/-0.000 χ^2/NDF:8432693.1/51

All: 0.000+/-0.000 χ^2/NDF: 14981268.3/96

reg_asym_sam_26_avg_mean vs Slug, Sign Corrected



Right In: 86.683+/-43.744 χ^2/NDF: 15.7/21

Left Out: 0.598+/-17.319 χ^2/NDF:48.6/24

Right Out: 46.688+/-44.433 χ^2/NDF: 25.9/26

Left In: 58.907+/-17.879 χ^2/NDF:25.8/22

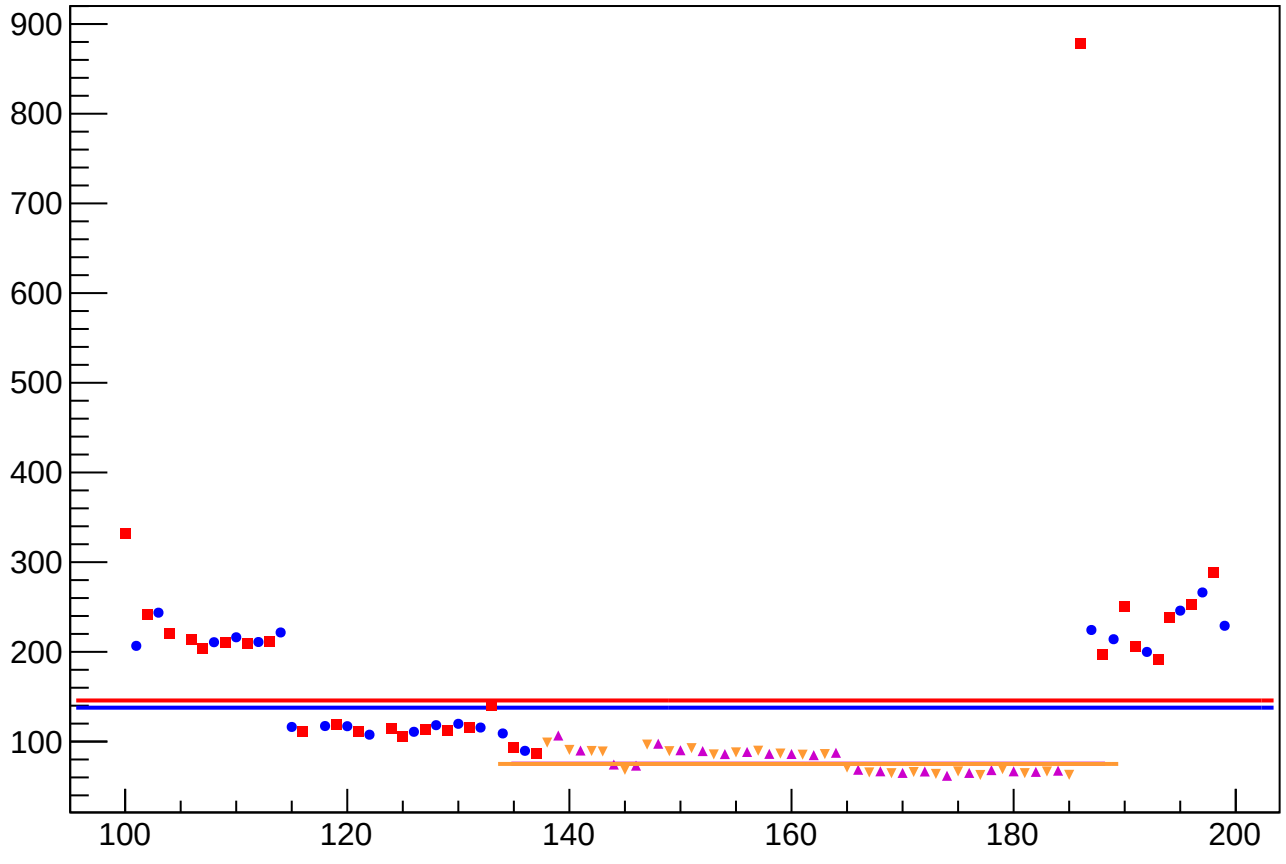
Left: 28.825+/-12.440 χ^2/NDF: 79.9/47

Right: 66.999+/-31.172 χ^2/NDF: 42.1/48

In: 62.883+/-16.550 χ^2/NDF:41.9/44

Out: 6.677+/-16.137 χ^2/NDF:75.4/51

All: 34.069+/-11.554 χ^2/NDF: 123.3/96



Right In: 137.773+/-0.031 χ^2/NDF: 2895748.9/21

Left Out: 75.041+/-0.012 χ^2/NDF:928107.8/24

Right Out: 145.803+/-0.031 χ^2/NDF: 3673448.4/26

Left In: 75.352+/-0.013 χ^2/NDF:837634.2/22

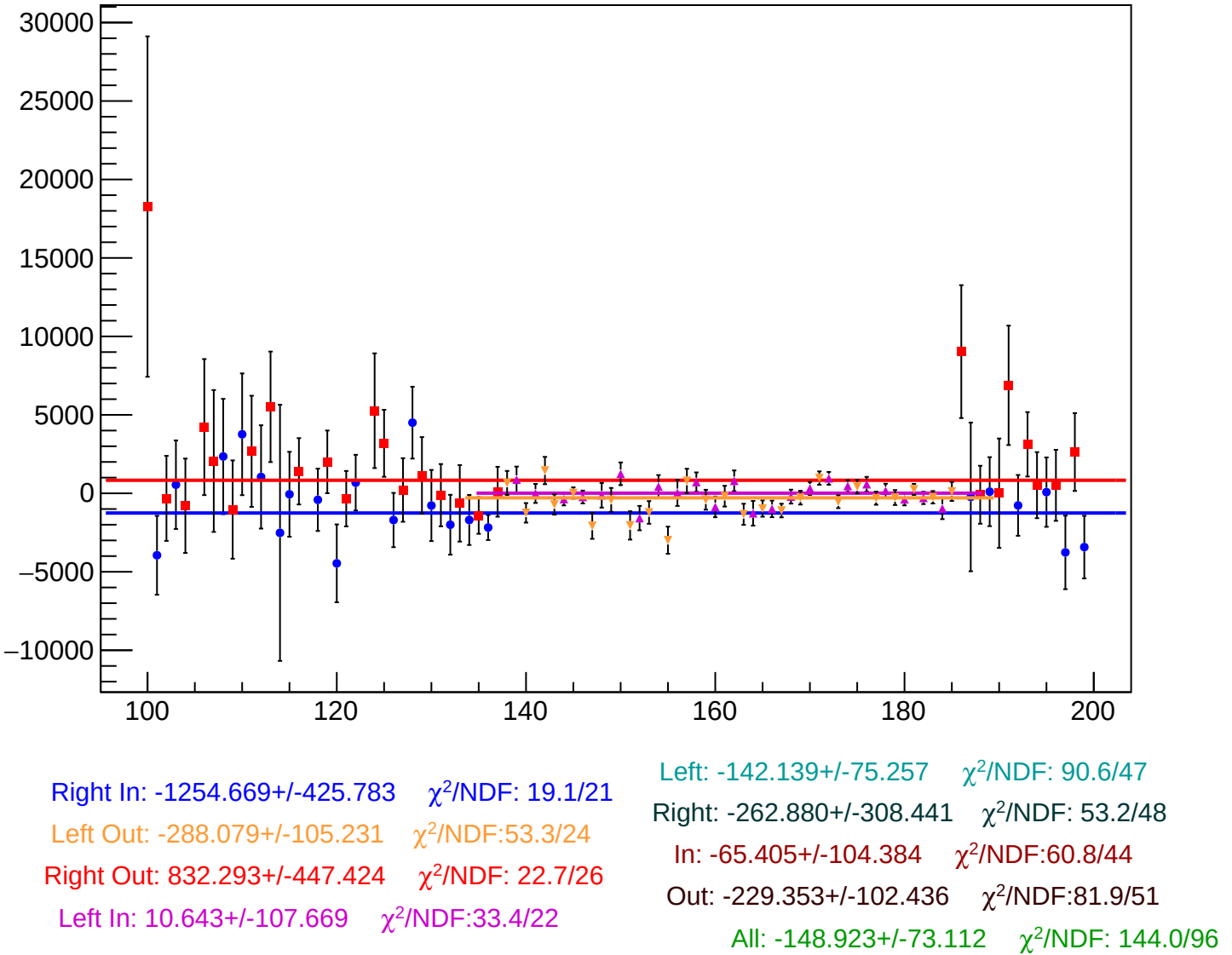
Left: 75.192+/-0.009 χ^2/NDF: 1766053.8/47

Right: 141.726+/-0.022 χ^2/NDF: 6602369.1/48

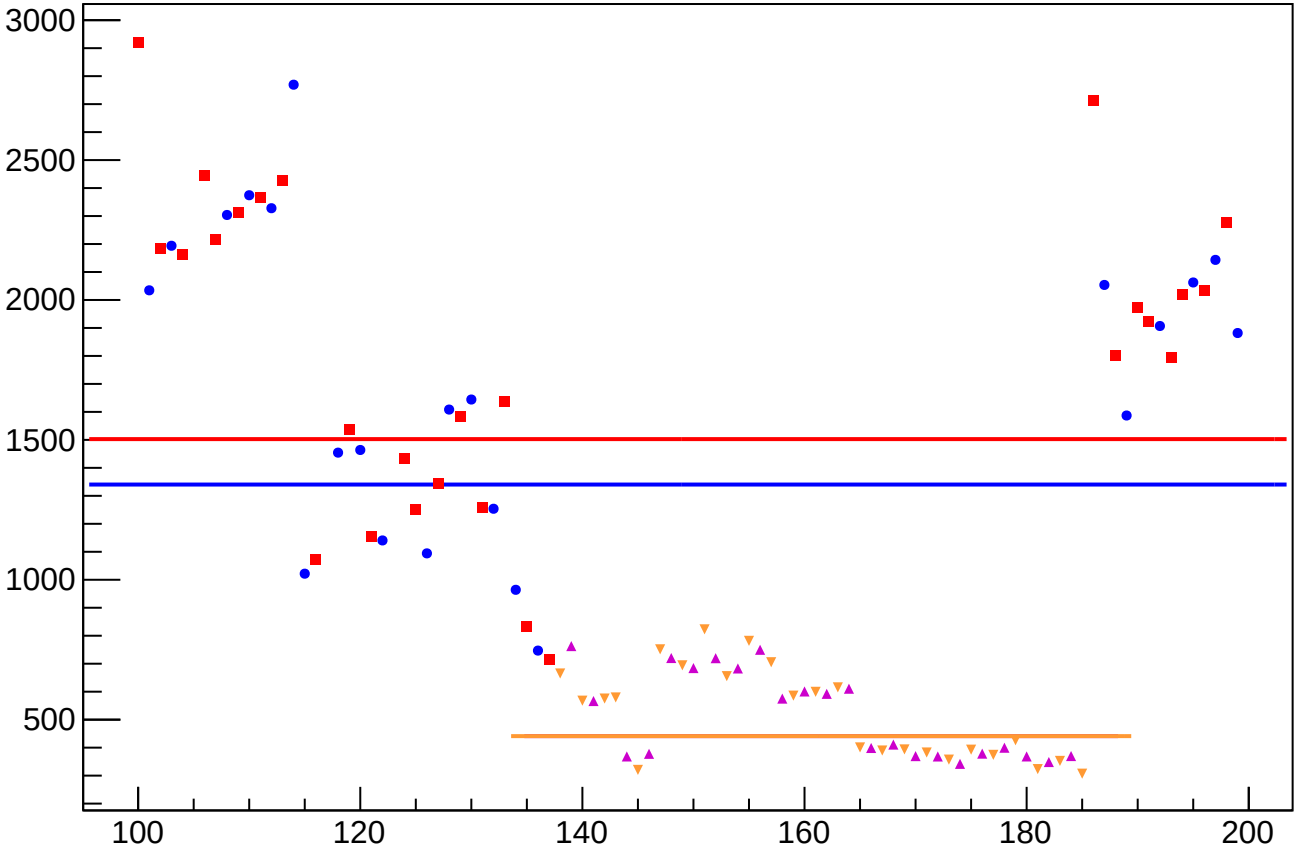
In: 84.287+/-0.012 χ^2/NDF:7222926.9/44

Out: 84.374+/-0.011 χ^2/NDF:9004970.9/51

All: 84.332+/-0.008 χ^2/NDF: 16227926.3/96


asym_sam_26_avg_reg_correction_mean vs Slug, Sign Corrected
30000
25000
20000
15000
10000
5000
0
−5000
−10000
100
120
140
160
180
200
Right In: -1254.669+/-425.783 χ²/NDF: 19.1/21
Left Out: -288.079+/-105.231 χ²/NDF:53.3/24
Right Out: 832.293+/-447.424 χ²/NDF: 22.7/26
Left In: 10.643+/-107.669 χ²/NDF:33.4/22
Left: -142.139+/-75.257 χ²/NDF: 90.6/47
Right: -262.880+/-308.441 χ²/NDF: 53.2/48
In: -65.405+/-104.384 χ²/NDF:60.8/44
Out: -229.353+/-102.436 χ²/NDF:81.9/51
All: -148.923+/-73.112 χ²/NDF: 144.0/96

asym_sam_26_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 1340.327+/-0.301 χ^2/NDF: 3084074.8/21

Left Out: 441.128+/-0.074 χ^2/NDF:3234629.2/24

Right Out: 1502.731+/-0.316 χ^2/NDF: 2923052.8/26

Left In: 441.196+/-0.076 χ^2/NDF:2682075.8/22

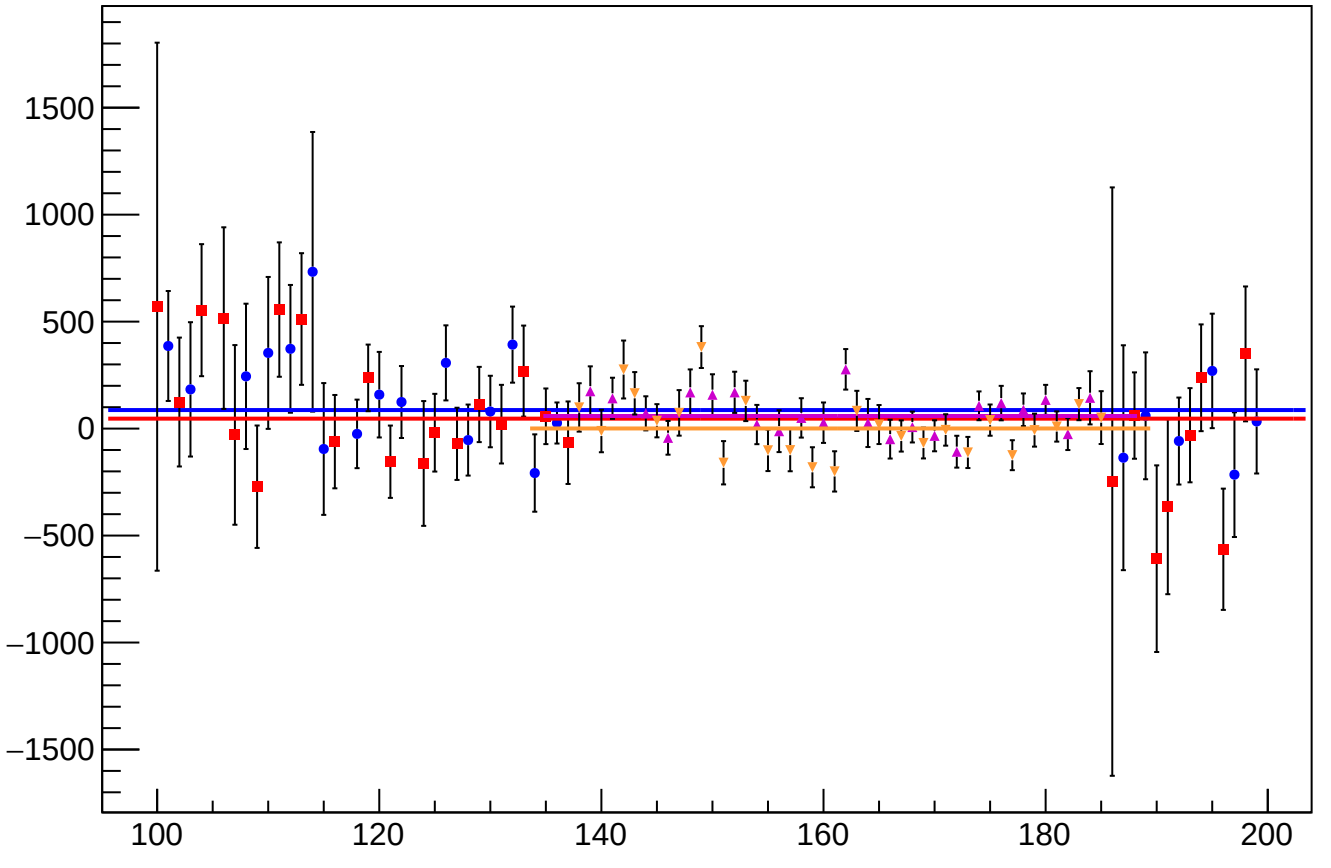
Left: 441.161+/-0.053 χ^2/NDF: 5916705.4/47

Right: 1417.507+/-0.218 χ^2/NDF: 6145404.9/48

In: 495.236+/-0.074 χ^2/NDF:14148791.8/44

Out: 496.774+/-0.072 χ^2/NDF:16826890.7/51

All: 496.019+/-0.052 χ^2/NDF: 30975903.7/96



Right In: 86.670+/-43.744 χ^2/NDF: 15.7/21

Left Out: 0.598+/-17.319 χ^2/NDF:48.6/24

Right Out: 46.501+/-44.436 χ^2/NDF: 25.8/26

Left In: 58.904+/-17.879 χ^2/NDF:25.8/22

Left: 28.824+/-12.440 χ^2/NDF: 79.9/47

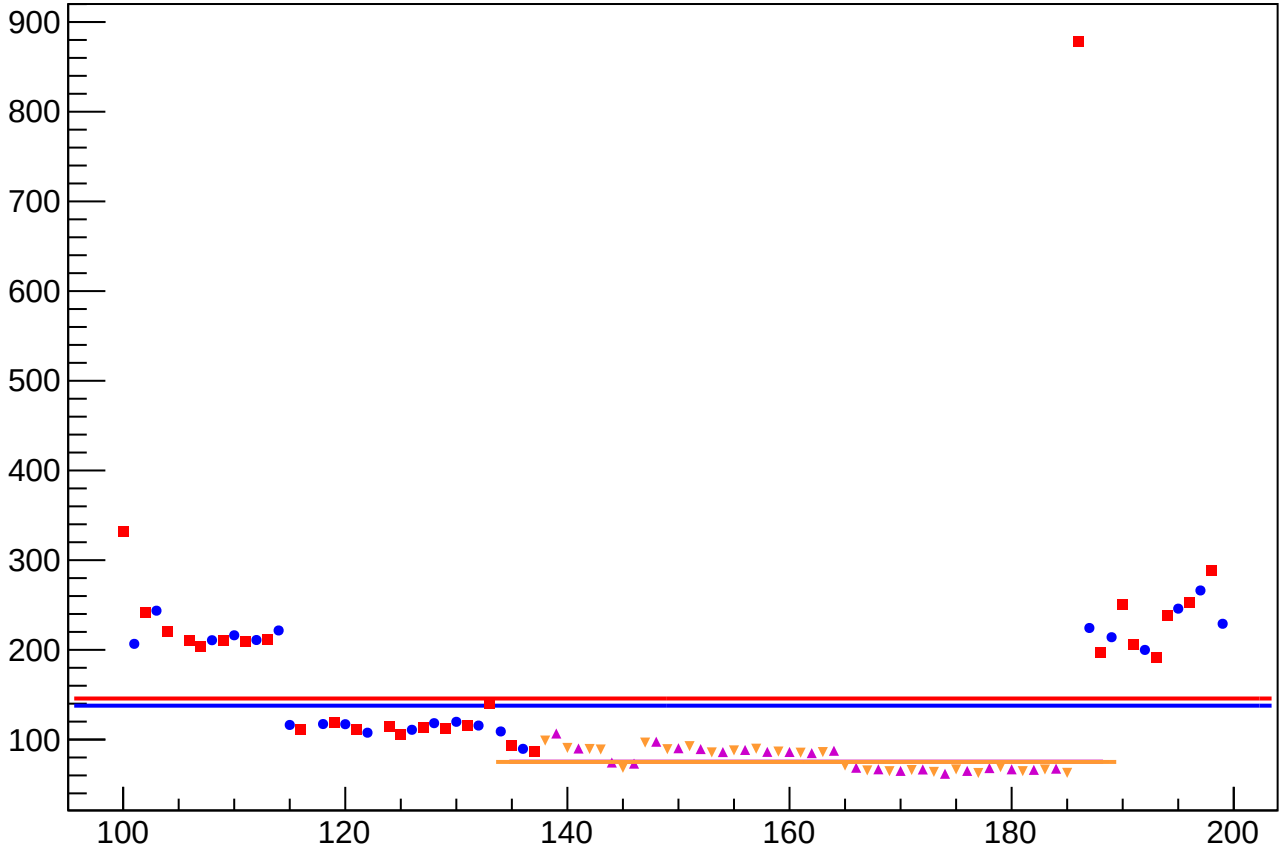
Right: 66.900+/-31.173 χ^2/NDF: 42.0/48

In: 62.879+/-16.550 χ^2/NDF:41.9/44

Out: 6.651+/-16.137 χ^2/NDF:75.4/51

All: 34.054+/-11.554 χ^2/NDF: 123.2/96

cor_asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 137.773+/-0.031 χ^2/NDF: 2895751.4/21

Left Out: 75.041+/-0.012 χ^2/NDF:928107.8/24

Right Out: 145.765+/-0.031 χ^2/NDF: 3668849.1/26

Left In: 75.352+/-0.013 χ^2/NDF:837634.2/22

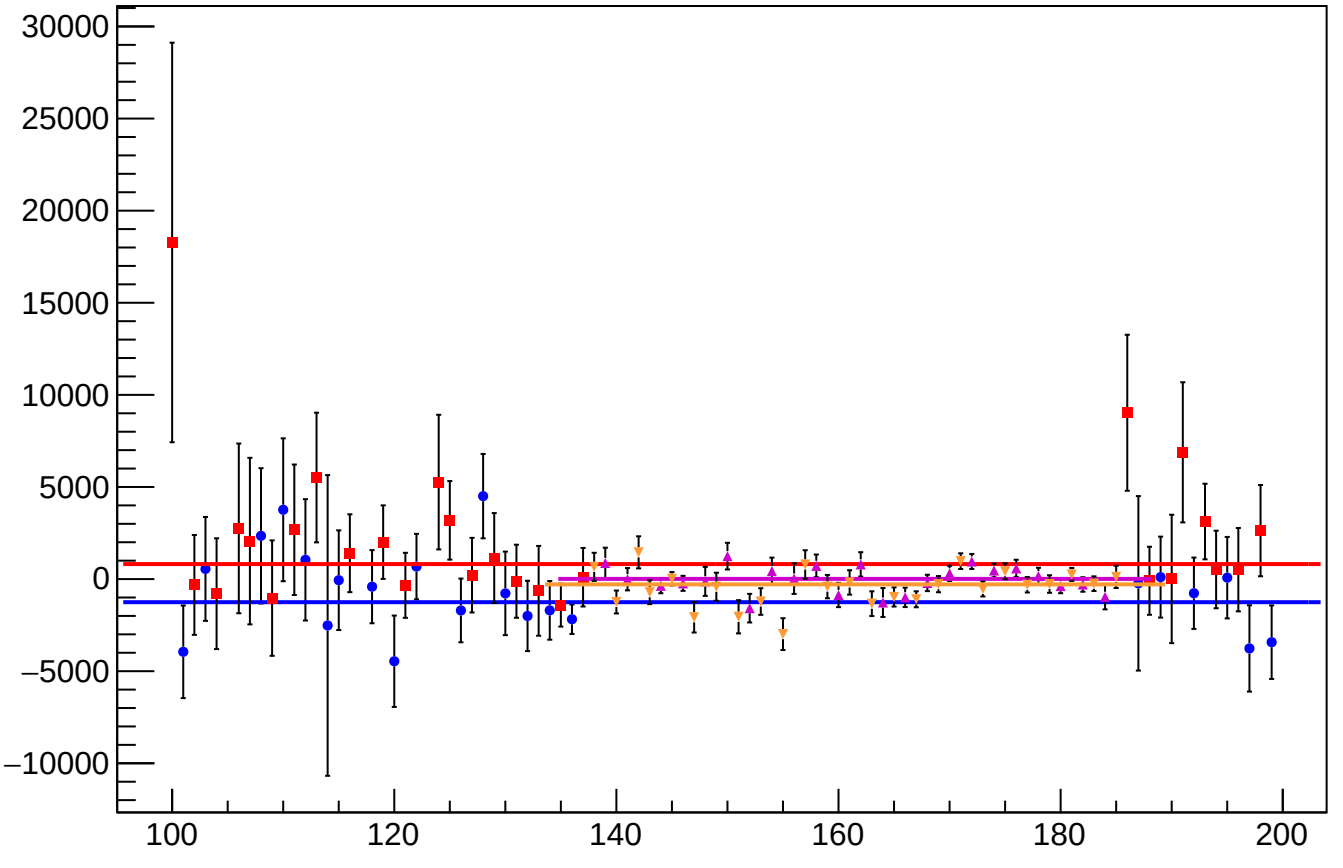
Left: 75.192+/-0.009 χ^2/NDF: 1766053.7/47

Right: 141.706+/-0.022 χ^2/NDF: 6597451.9/48

In: 84.287+/-0.012 χ^2/NDF:7222928.9/44

Out: 84.368+/-0.011 χ^2/NDF:8995173.3/51

All: 84.329+/-0.008 χ^2/NDF: 16218126.9/96



Right In: -1254.655+/-425.783 χ^2/NDF: 19.1/21

Left Out: -288.079+/-105.231 χ^2/NDF:53.3/24

Right Out: 814.420+/-447.707 χ^2/NDF: 22.3/26

Left In: 10.644+/-107.670 χ^2/NDF:33.4/22

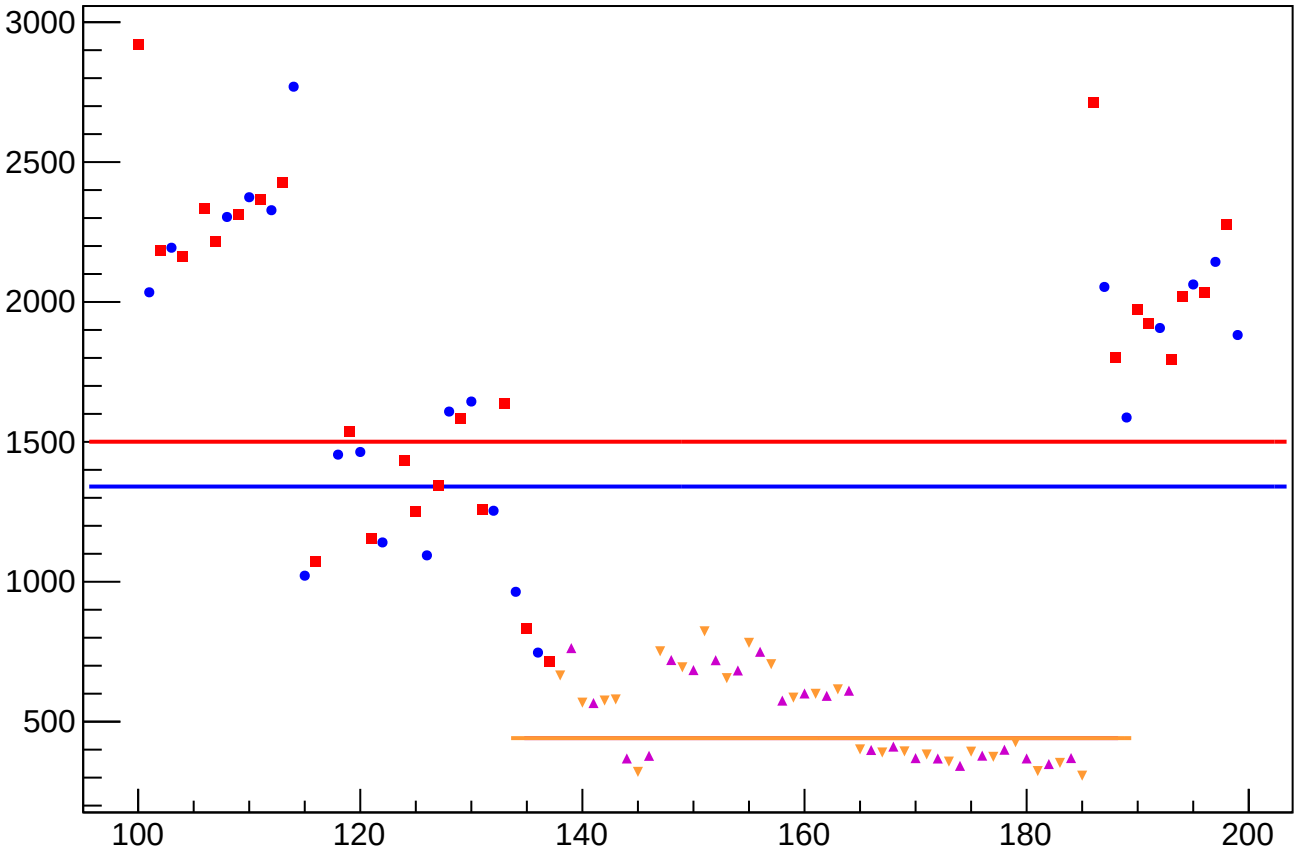
Left: -142.138+/-75.257 χ^2/NDF: 90.6/47

Right: -272.016+/-308.534 χ^2/NDF: 52.6/48

In: -65.403+/-104.384 χ^2/NDF:60.8/44

Out: -230.359+/-102.440 χ^2/NDF:81.3/51

All: -149.431+/-73.113 χ^2/NDF: 143.4/96



Right In: 1340.328+/-0.301 χ^2/NDF: 3084104.8/21

Left Out: 441.128+/-0.074 χ^2/NDF:3234622.5/24

Right Out: 1500.560+/-0.317 χ^2/NDF: 2894227.0/26

Left In: 441.196+/-0.076 χ^2/NDF:2682073.9/22

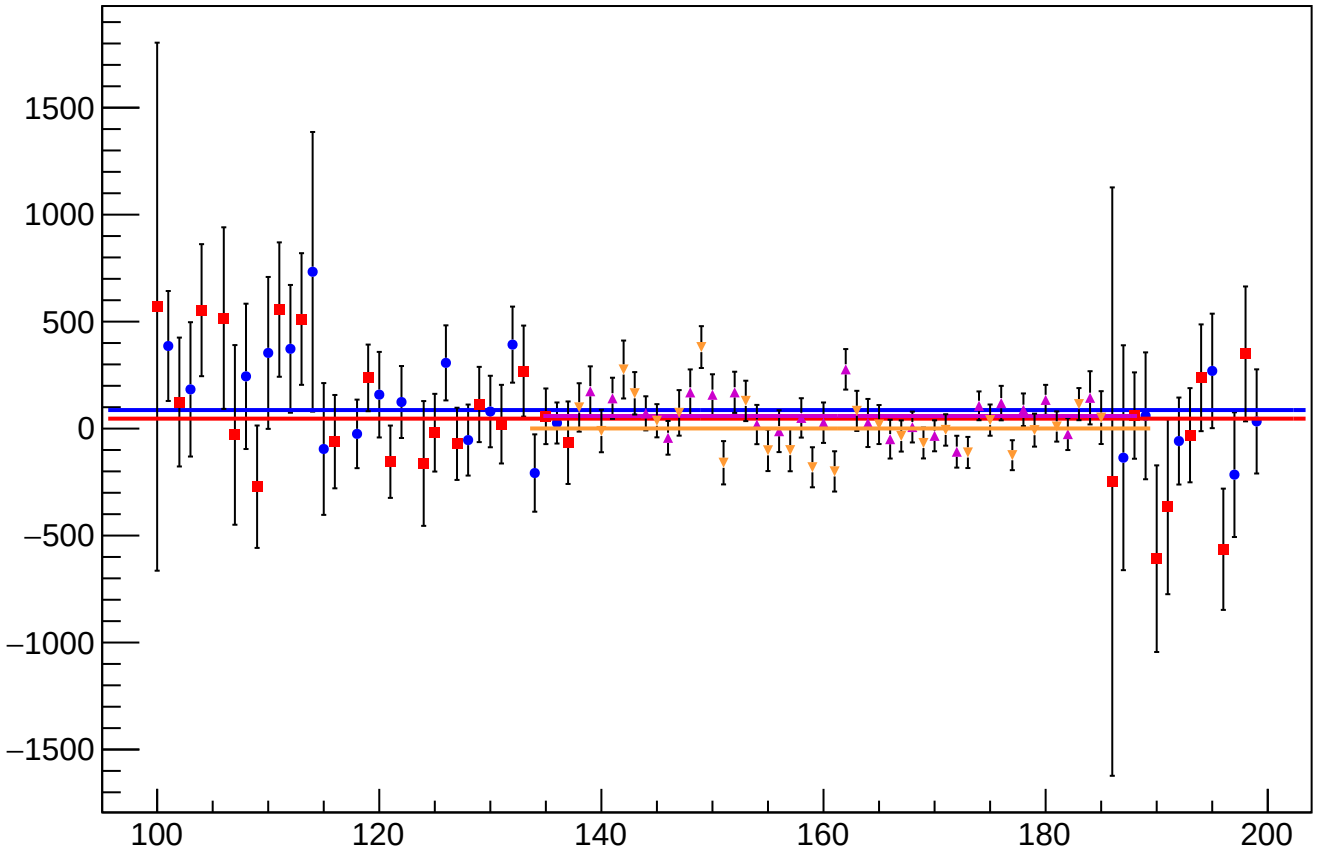
Left: 441.162+/-0.053 χ^2/NDF: 5916696.8/47

Right: 1416.425+/-0.218 χ^2/NDF: 6112847.7/48

In: 495.236+/-0.074 χ^2/NDF:14148800.7/44

Out: 496.594+/-0.072 χ^2/NDF:16741774.6/51

All: 495.928+/-0.052 χ^2/NDF: 30890747.7/96



Right In: 86.670+/-43.744 χ^2/NDF: 15.7/21

Left Out: 0.598+/-17.319 χ^2/NDF:48.6/24

Right Out: 46.501+/-44.436 χ^2/NDF: 25.8/26

Left In: 58.904+/-17.879 χ^2/NDF:25.8/22

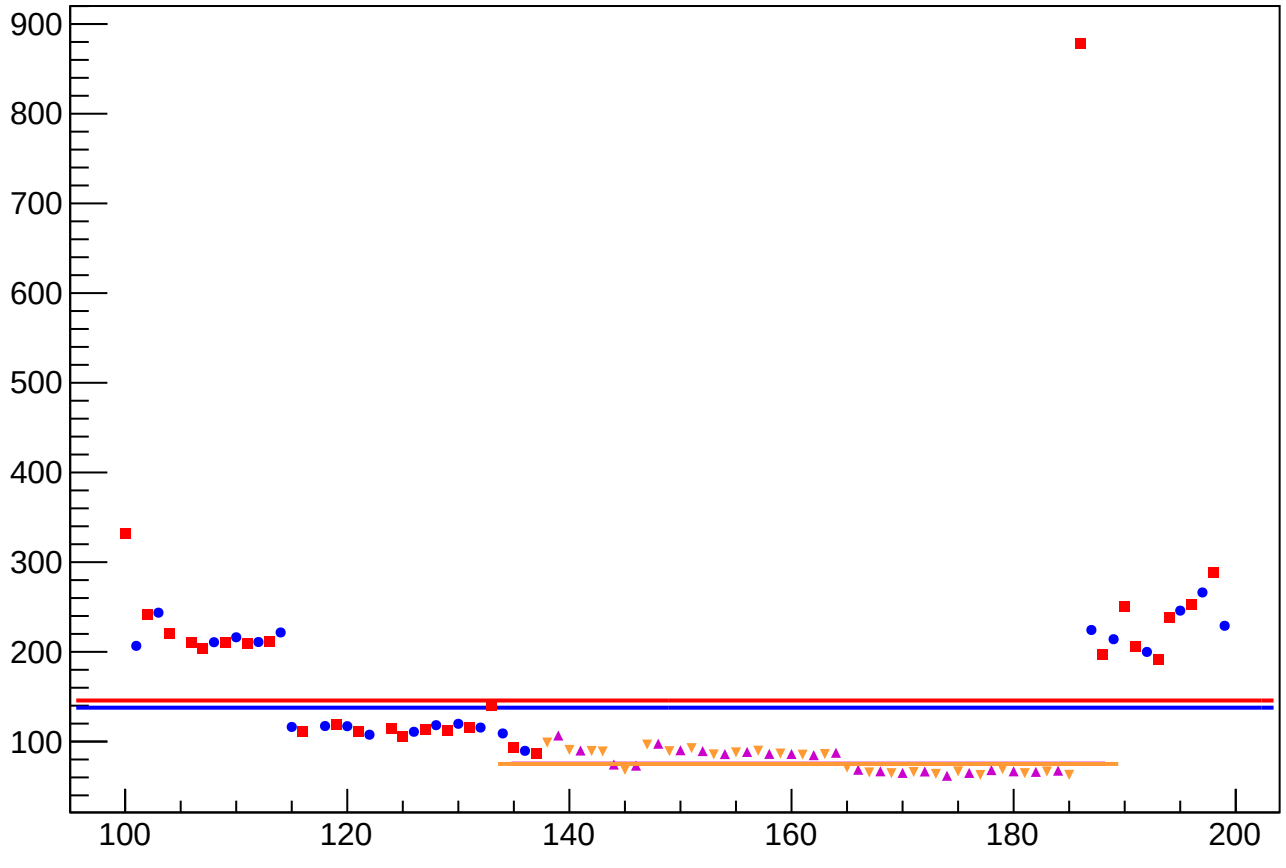
Left: 28.824+/-12.440 χ^2/NDF: 79.9/47

Right: 66.900+/-31.173 χ^2/NDF: 42.0/48

In: 62.879+/-16.550 χ^2/NDF:41.9/44

Out: 6.651+/-16.137 χ^2/NDF:75.4/51

All: 34.054+/-11.554 χ^2/NDF: 123.2/96



Right In: 137.773+/-0.031 χ^2/NDF: 2895751.4/21

Left Out: 75.041+/-0.012 χ^2/NDF:928107.8/24

Right Out: 145.765+/-0.031 χ^2/NDF: 3668849.1/26

Left In: 75.352+/-0.013 χ^2/NDF:837634.2/22

Left: 75.192+/-0.009 χ^2/NDF: 1766053.7/47

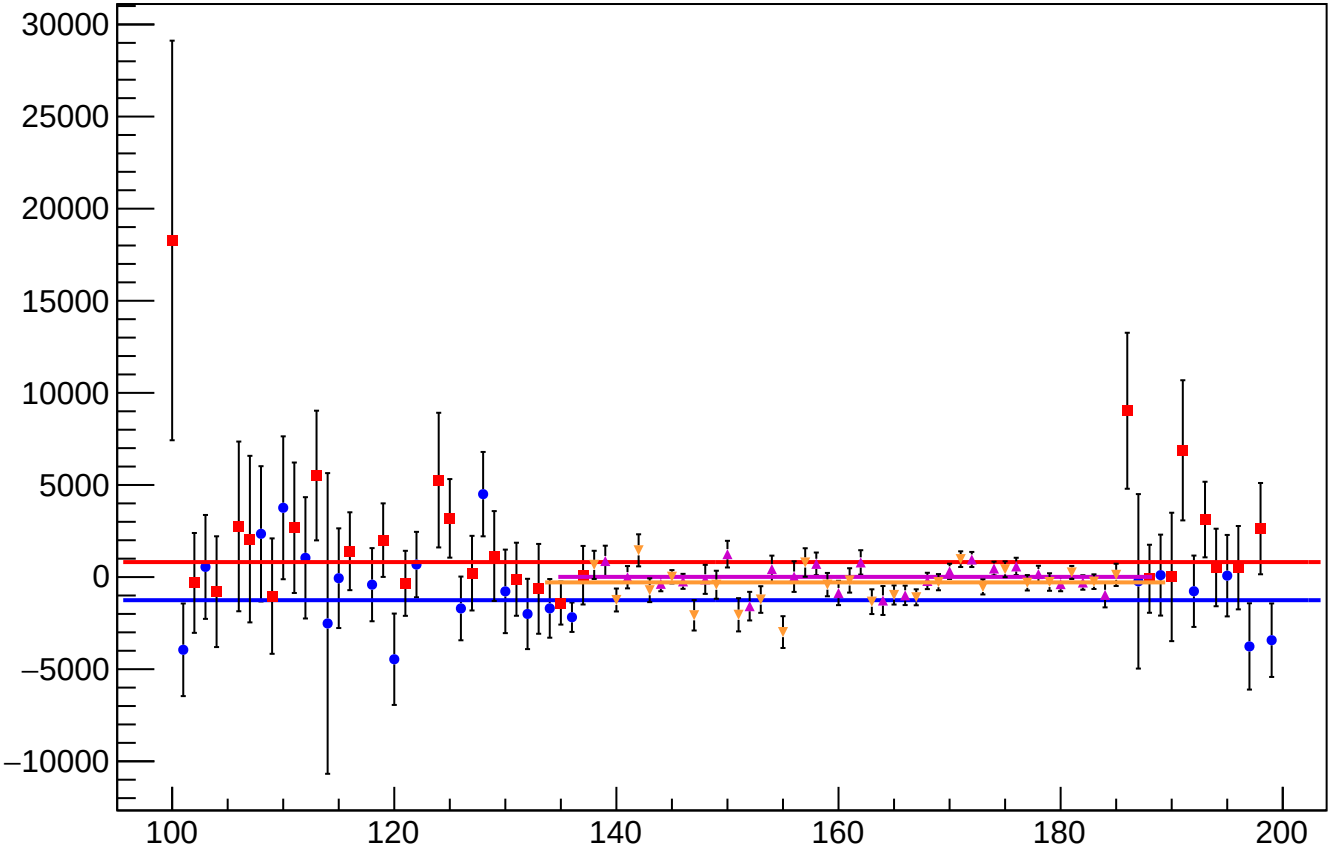
Right: 141.706+/-0.022 χ^2/NDF: 6597451.9/48

In: 84.287+/-0.012 χ^2/NDF:7222928.9/44

Out: 84.368+/-0.011 χ^2/NDF:8995173.3/51

All: 84.329+/-0.008 χ^2/NDF: 16218126.9/96

asym_sam_26_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -1254.655+/-425.783 χ^2/NDF: 19.1/21

Left Out: -288.079+/-105.231 χ^2/NDF:53.3/24

Right Out: 814.420+/-447.707 χ^2/NDF: 22.3/26

Left In: 10.644+/-107.670 χ^2/NDF:33.4/22

Left: -142.138+/-75.257 χ^2/NDF: 90.6/47

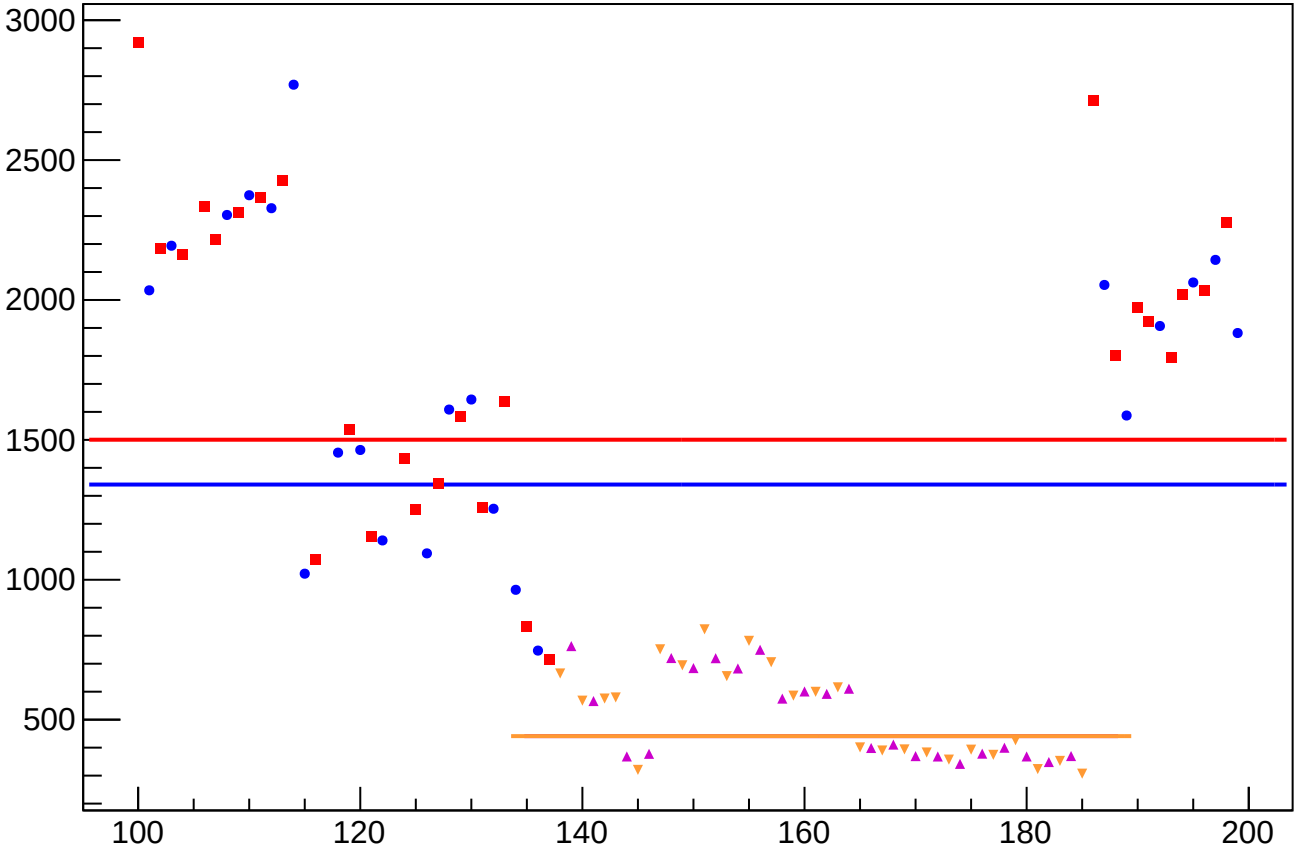
Right: -272.016+/-308.534 χ^2/NDF: 52.6/48

In: -65.403+/-104.384 χ^2/NDF:60.8/44

Out: -230.359+/-102.440 χ^2/NDF:81.3/51

All: -149.431+/-73.113 χ^2/NDF: 143.4/96

asym_sam_26_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1340.328+/-0.301 χ^2/NDF: 3084104.8/21

Left Out: 441.128+/-0.074 χ^2/NDF:3234622.5/24

Right Out: 1500.560+/-0.317 χ^2/NDF: 2894227.0/26

Left In: 441.196+/-0.076 χ^2/NDF:2682073.9/22

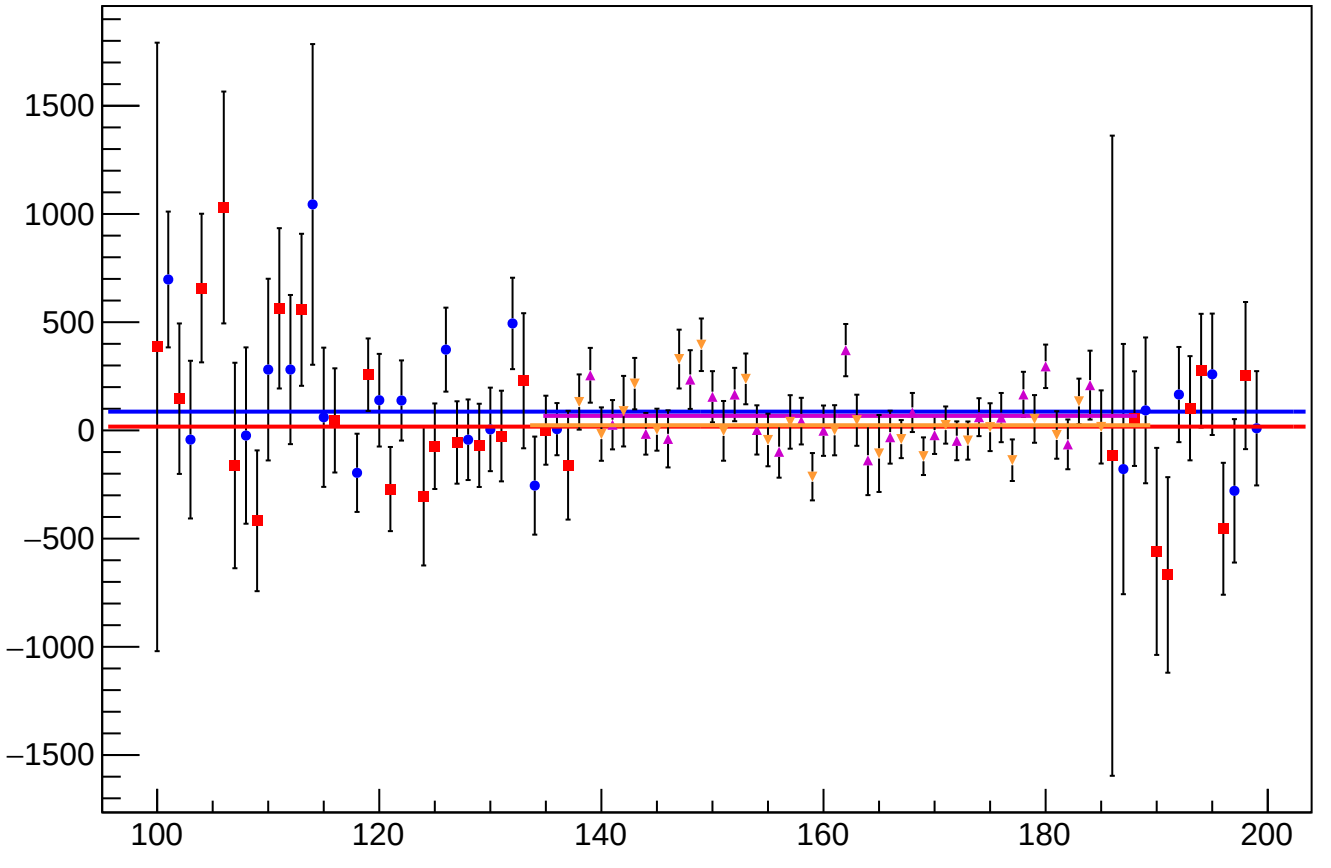
Left: 441.162+/-0.053 χ^2/NDF: 5916696.8/47

Right: 1416.425+/-0.218 χ^2/NDF: 6112847.7/48

In: 495.236+/-0.074 χ^2/NDF:14148800.7/44

Out: 496.594+/-0.072 χ^2/NDF:16741774.6/51

All: 495.928+/-0.052 χ^2/NDF: 30890747.7/96



Right In: 86.731+/-50.473 χ^2/NDF: 20.1/21

Left Out: 23.873+/-22.414 χ^2/NDF:35.2/24

Right Out: 17.452+/-50.675 χ^2/NDF: 28.3/26

Left In: 67.086+/-23.121 χ^2/NDF:28.6/22

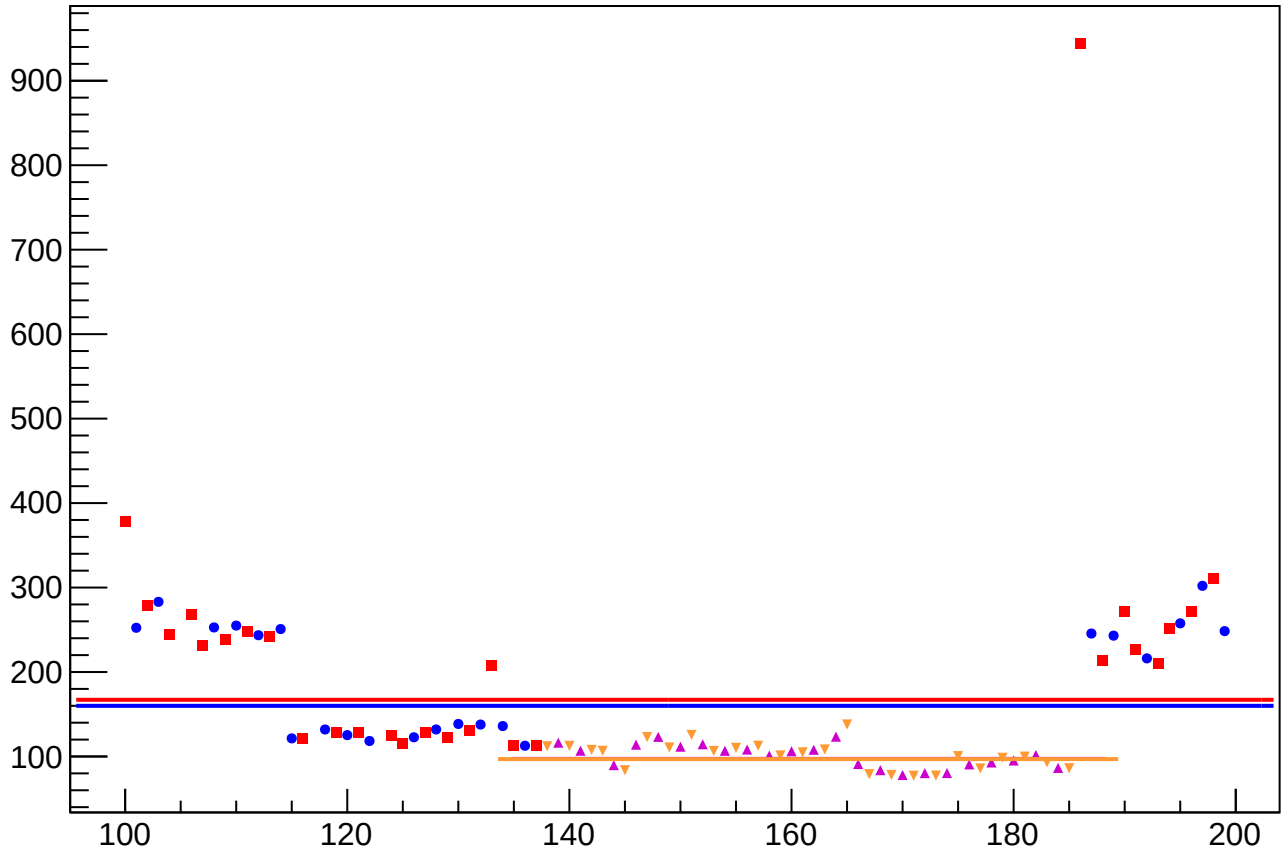
Left: 44.809+/-16.093 χ^2/NDF: 65.6/47

Right: 52.230+/-35.761 χ^2/NDF: 49.4/48

In: 70.493+/-21.020 χ^2/NDF:48.9/44

Out: 22.823+/-20.498 χ^2/NDF:63.5/51

All: 46.059+/-14.676 χ^2/NDF: 115.0/96



Right In: 159.969+/-0.036 χ^2/NDF: 2611775.4/21

Left Out: 96.907+/-0.016 χ^2/NDF:933980.7/24

Right Out: 167.129+/-0.036 χ^2/NDF: 3406327.2/26

Left In: 97.167+/-0.016 χ^2/NDF:674595.2/22

Left: 97.033+/-0.011 χ^2/NDF: 1608706.5/47

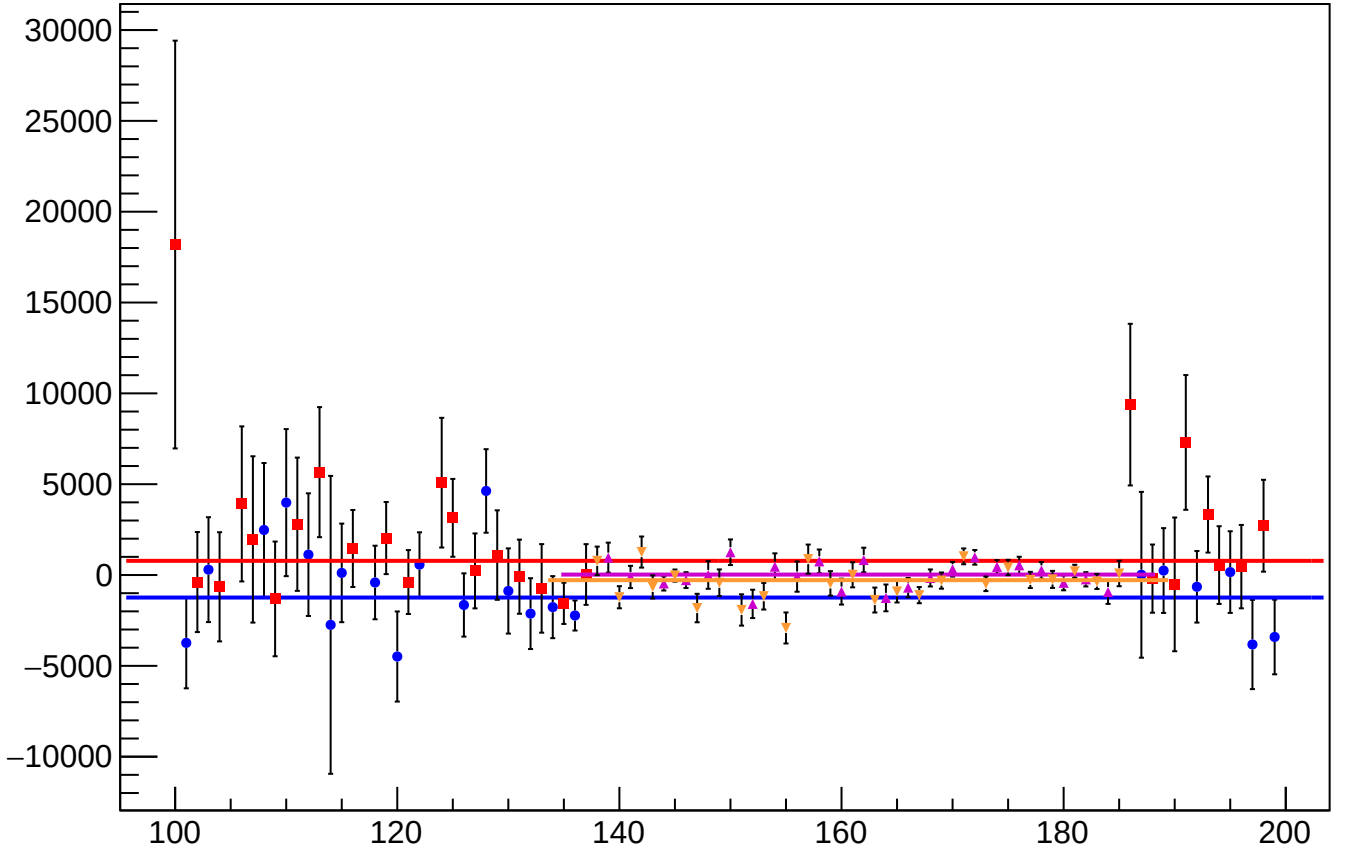
Right: 163.534+/-0.025 χ^2/NDF: 6038148.7/48

In: 108.060+/-0.015 χ^2/NDF:5845651.6/44

Out: 108.397+/-0.014 χ^2/NDF:7552412.9/51

All: 108.233+/-0.010 χ^2/NDF: 13398328.7/96

asym_sam_26_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -1239.678+/-437.241 χ^2/NDF: 19.2/21

Left Out: -282.422+/-106.394 χ^2/NDF:50.4/24

Right Out: 780.606+/-450.918 χ^2/NDF: 24.1/26

Left In: 24.625+/-108.884 χ^2/NDF:32.9/22

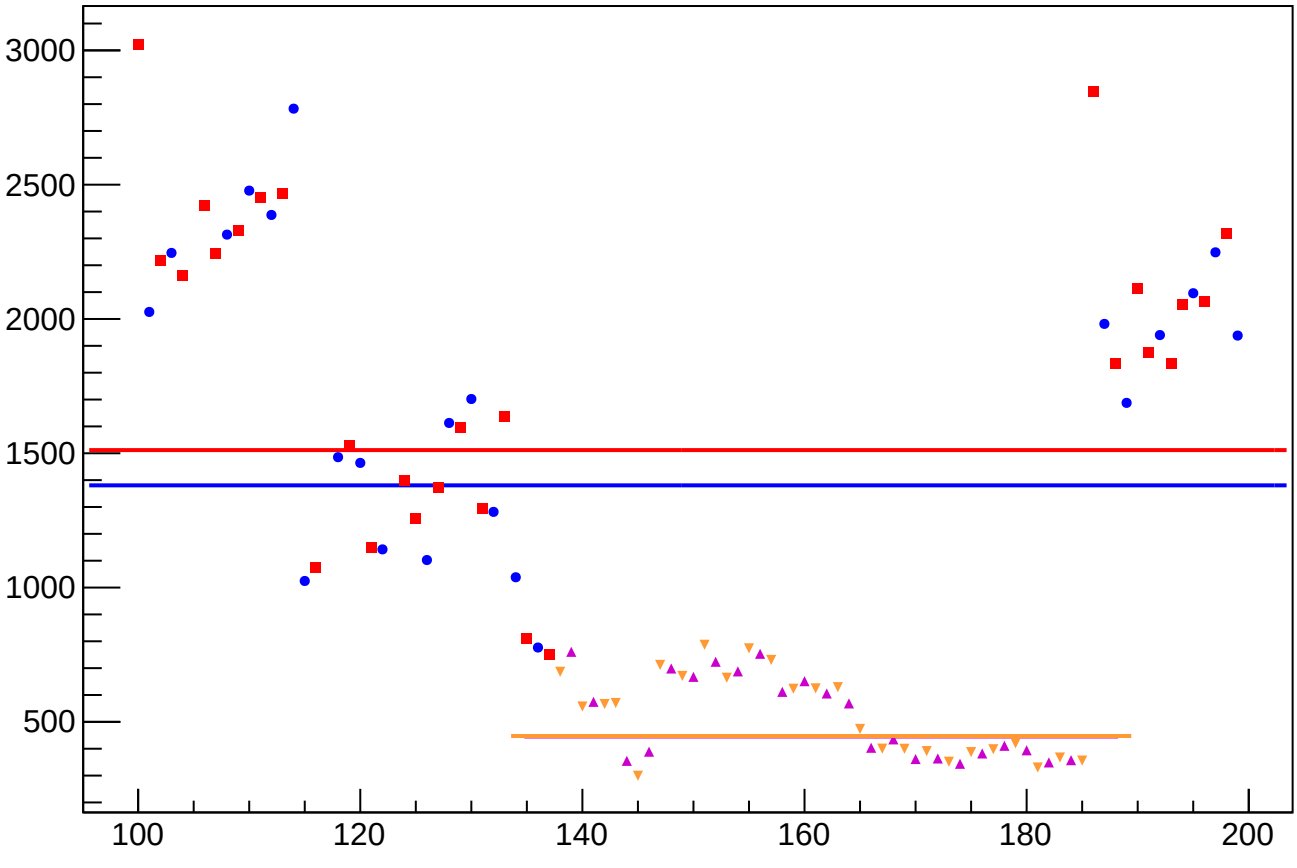
Left: -132.449+/-76.097 χ^2/NDF: 87.4/47

Right: -260.642+/-313.900 χ^2/NDF: 53.6/48

In: -49.200+/-105.657 χ^2/NDF:60.0/44

Out: -226.362+/-103.551 χ^2/NDF:79.7/51

All: -139.564+/-73.955 χ^2/NDF: 141.2/96



Right In: 1380.574+/-0.309 χ^2/NDF: 2990767.7/21

Left Out: 447.386+/-0.075 χ^2/NDF:3197771.9/24

Right Out: 1511.793+/-0.319 χ^2/NDF: 3034809.4/26

Left In: 445.491+/-0.077 χ^2/NDF:2713295.1/22

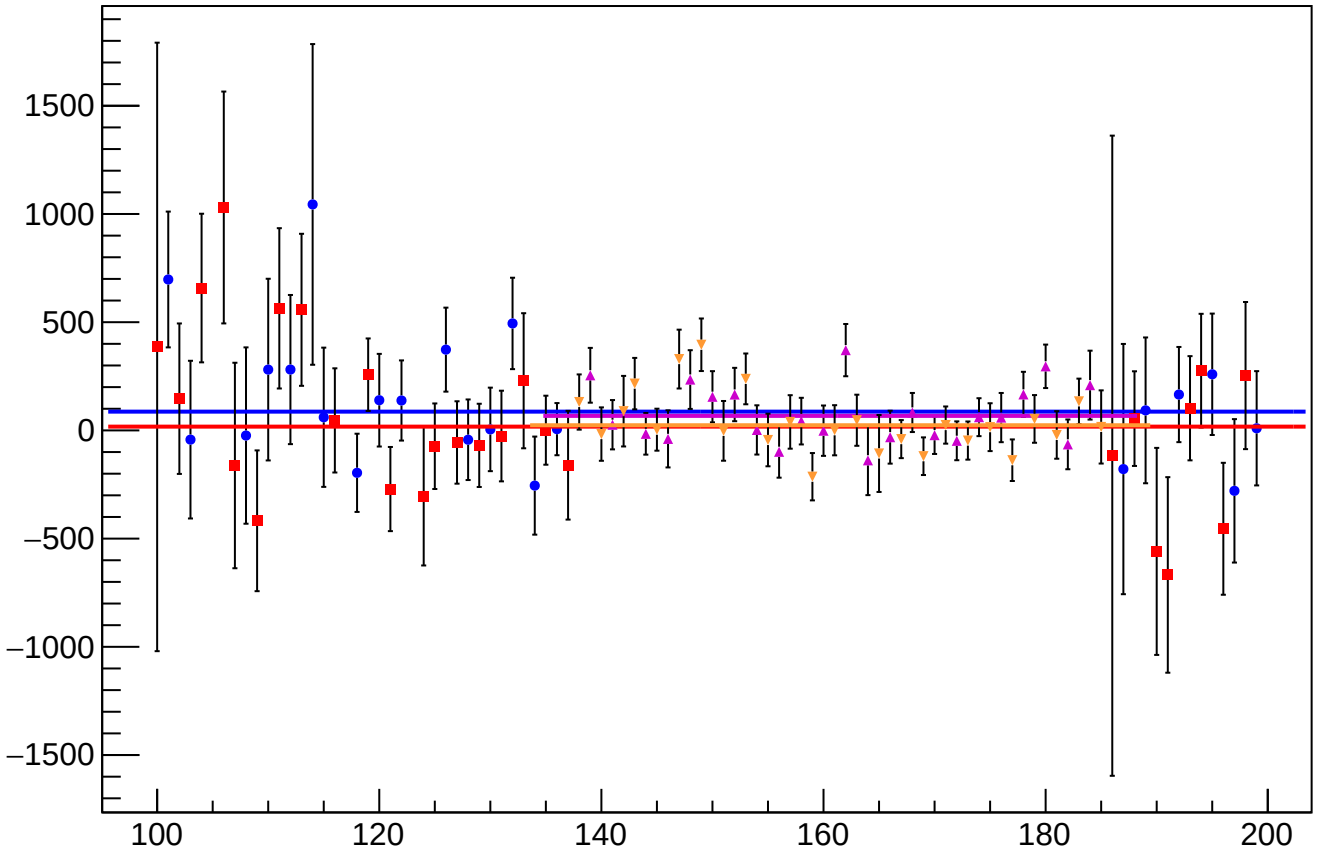
Left: 446.460+/-0.054 χ^2/NDF: 5911376.8/47

Right: 1444.164+/-0.222 χ^2/NDF: 6112868.1/48

In: 500.093+/-0.075 χ^2/NDF:14317169.5/44

Out: 503.519+/-0.073 χ^2/NDF:16789107.2/51

All: 501.840+/-0.052 χ^2/NDF: 31107349.4/96



Right In: 86.733+/-50.473 χ^2/NDF: 20.1/21

Left Out: 23.872+/-22.414 χ^2/NDF:35.2/24

Right Out: 17.452+/-50.675 χ^2/NDF: 28.3/26

Left In: 67.085+/-23.121 χ^2/NDF:28.6/22

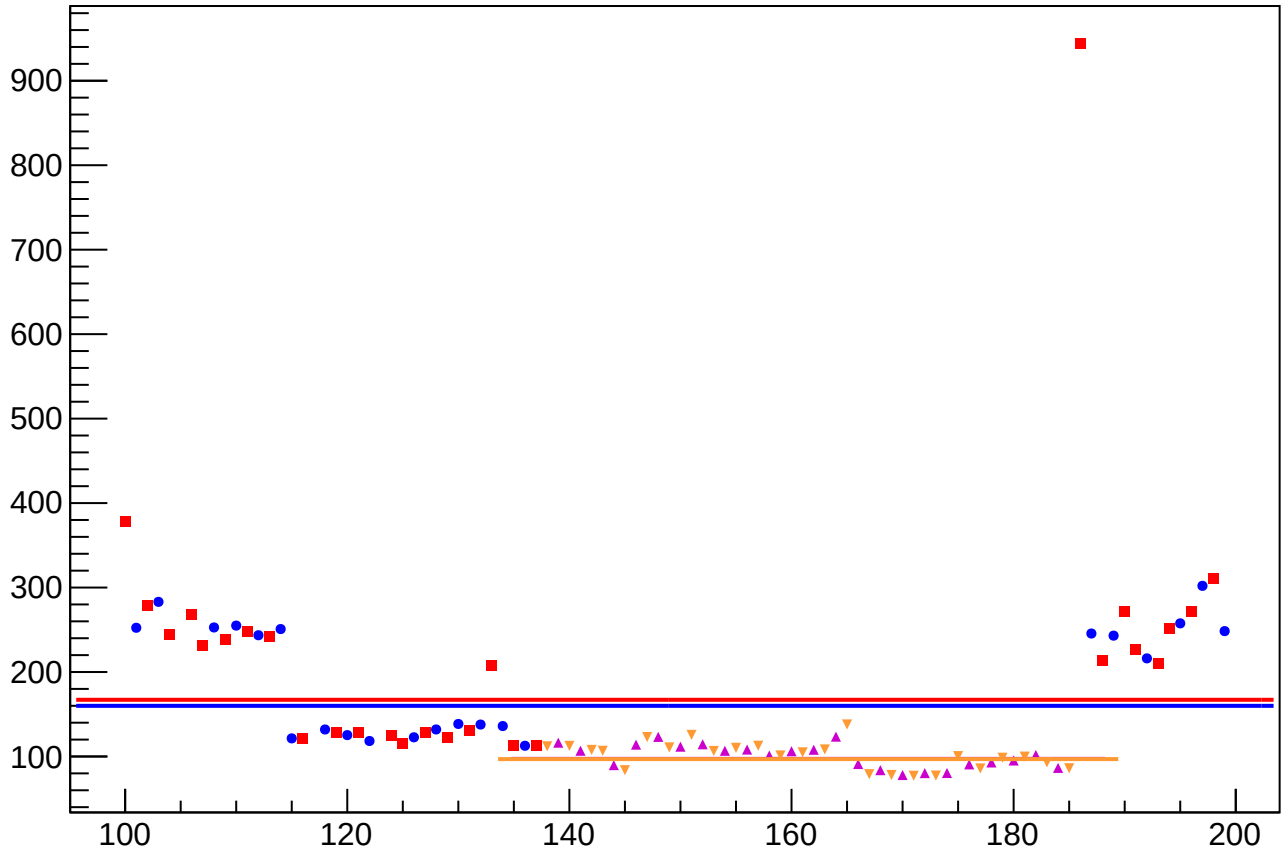
Left: 44.808+/-16.093 χ^2/NDF: 65.6/47

Right: 52.231+/-35.761 χ^2/NDF: 49.4/48

In: 70.493+/-21.020 χ^2/NDF:48.9/44

Out: 22.821+/-20.498 χ^2/NDF:63.5/51

All: 46.058+/-14.676 χ^2/NDF: 115.0/96



Right In: 159.968+/-0.036 χ^2/NDF: 2611781.4/21

Left Out: 96.907+/-0.016 χ^2/NDF:933979.3/24

Right Out: 167.129+/-0.036 χ^2/NDF: 3406324.3/26

Left In: 97.168+/-0.016 χ^2/NDF:674586.0/22

Left: 97.034+/-0.011 χ^2/NDF: 1608696.0/47

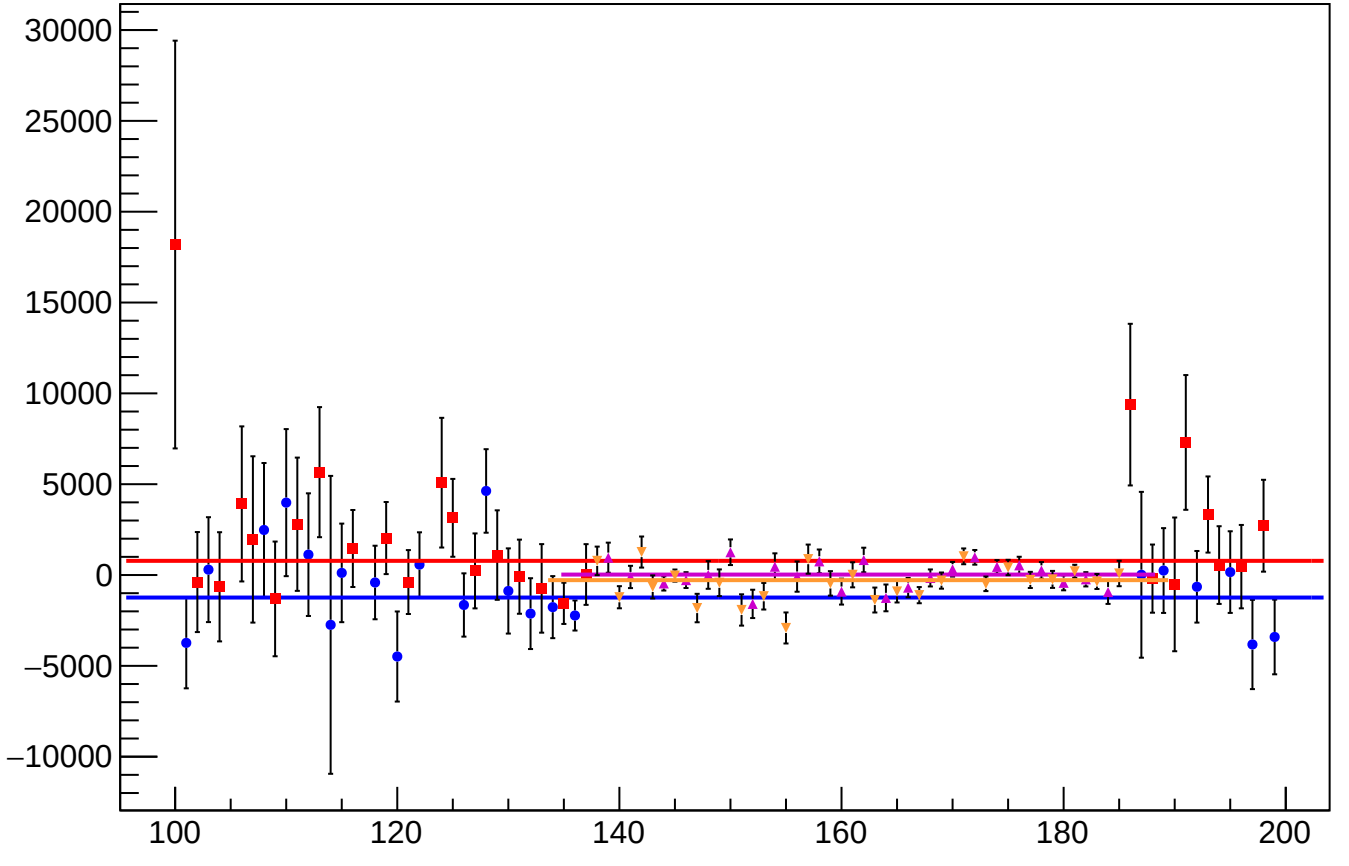
Right: 163.534+/-0.025 χ^2/NDF: 6038153.7/48

In: 108.060+/-0.015 χ^2/NDF:5845575.2/44

Out: 108.398+/-0.014 χ^2/NDF:7552357.7/51

All: 108.233+/-0.010 χ^2/NDF: 13398197.0/96

asym_sam_26_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -1239.675+/-437.240 χ^2/NDF: 19.2/21

Left Out: -282.421+/-106.394 χ^2/NDF:50.4/24

Right Out: 780.607+/-450.918 χ^2/NDF: 24.1/26

Left In: 24.626+/-108.884 χ^2/NDF:32.9/22

Left: -132.448+/-76.097 χ^2/NDF: 87.4/47

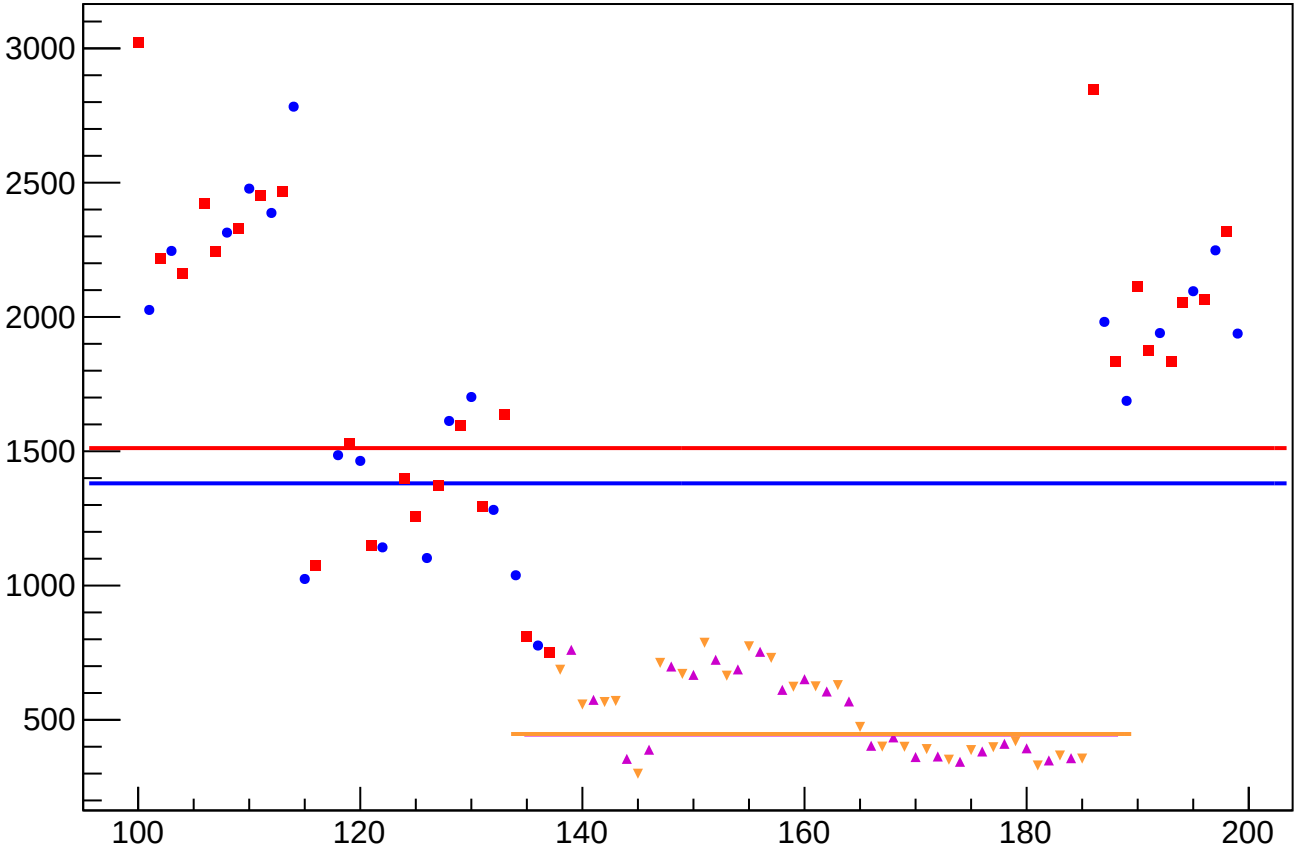
Right: -260.639+/-313.900 χ^2/NDF: 53.6/48

In: -49.199+/-105.657 χ^2/NDF:60.0/44

Out: -226.361+/-103.551 χ^2/NDF:79.7/51

All: -139.564+/-73.955 χ^2/NDF: 141.2/96

asym_sam_26_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1380.574+/-0.309 χ^2/NDF: 2990749.8/21

Left Out: 447.385+/-0.075 χ^2/NDF:3197793.9/24

Right Out: 1511.793+/-0.319 χ^2/NDF: 3034797.0/26

Left In: 445.491+/-0.077 χ^2/NDF:2713303.9/22

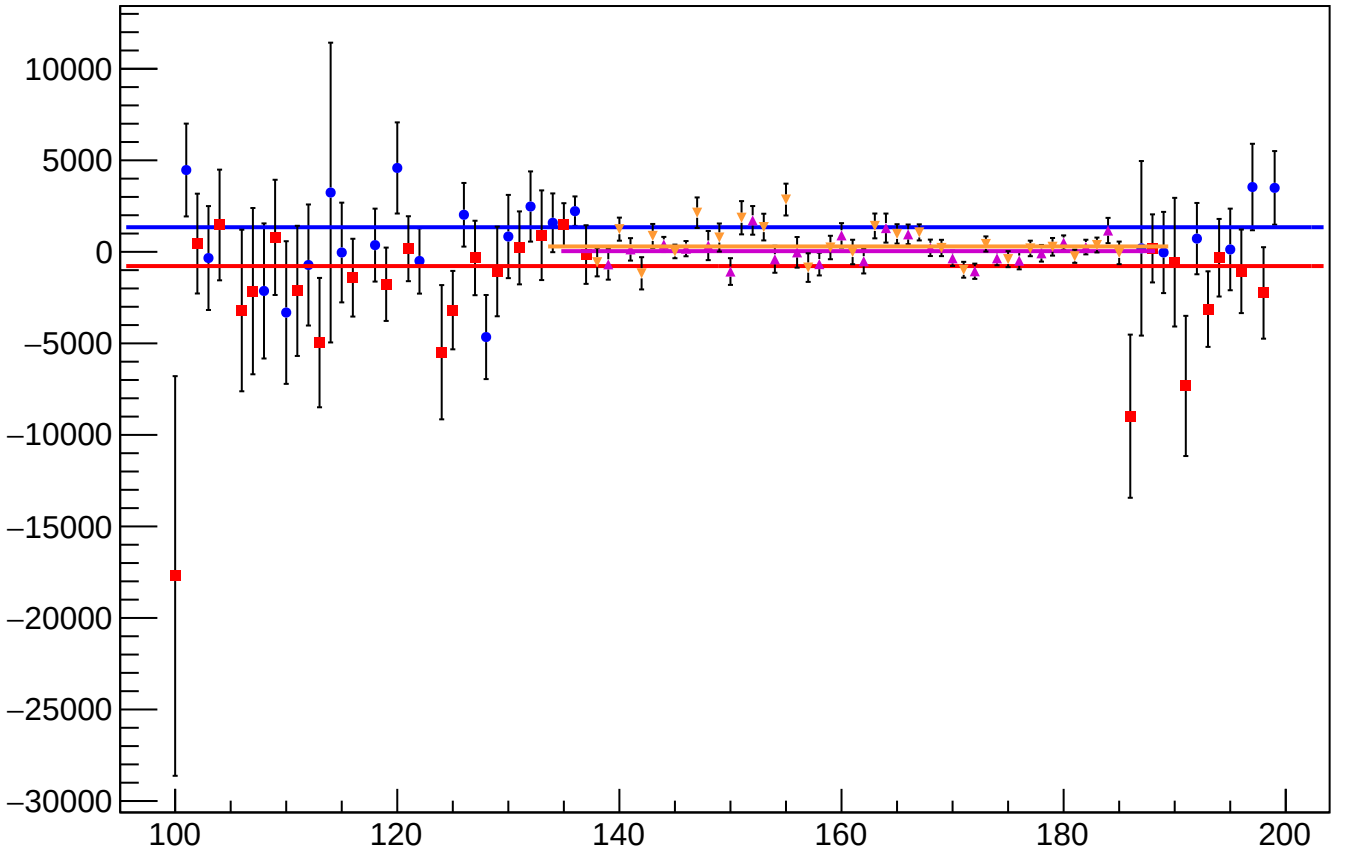
Left: 446.460+/-0.054 χ^2/NDF: 5911407.5/47

Right: 1444.163+/-0.222 χ^2/NDF: 6112837.7/48

In: 500.092+/-0.075 χ^2/NDF:14317169.7/44

Out: 503.518+/-0.073 χ^2/NDF:16789126.9/51

All: 501.840+/-0.052 χ^2/NDF: 31107369.2/96



Right In: 1344.891+/-428.602 χ^2/NDF: 19.3/21

Left Out: 295.006+/-106.810 χ^2/NDF:50.5/24

Right Out: -776.928+/-450.233 χ^2/NDF: 21.8/26

Left In: 38.107+/-109.315 χ^2/NDF:32.9/22

Left: 169.535+/-76.396 χ^2/NDF: 86.3/47

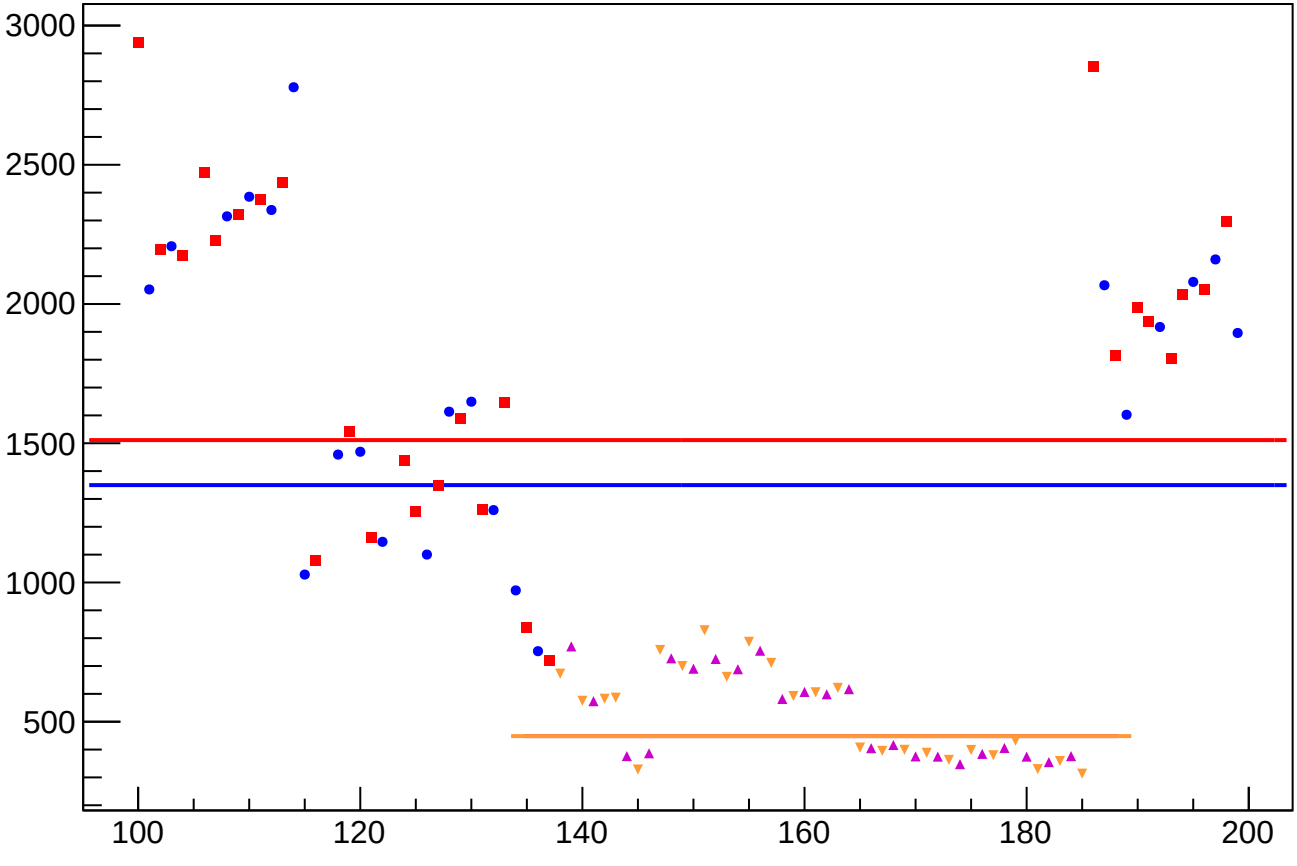
Right: 336.174+/-310.433 χ^2/NDF: 52.8/48

In: 117.922+/-105.924 χ^2/NDF:61.0/44

Out: 237.893+/-103.925 χ^2/NDF:77.7/51

All: 179.050+/-74.183 χ^2/NDF: 139.3/96

asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 1349.635+/-0.303 χ^2/NDF: 3072860.3/21

Left Out: 448.278+/-0.076 χ^2/NDF:3156909.8/24

Right Out: 1511.290+/-0.318 χ^2/NDF: 2943230.0/26

Left In: 448.397+/-0.077 χ^2/NDF:2620759.6/22

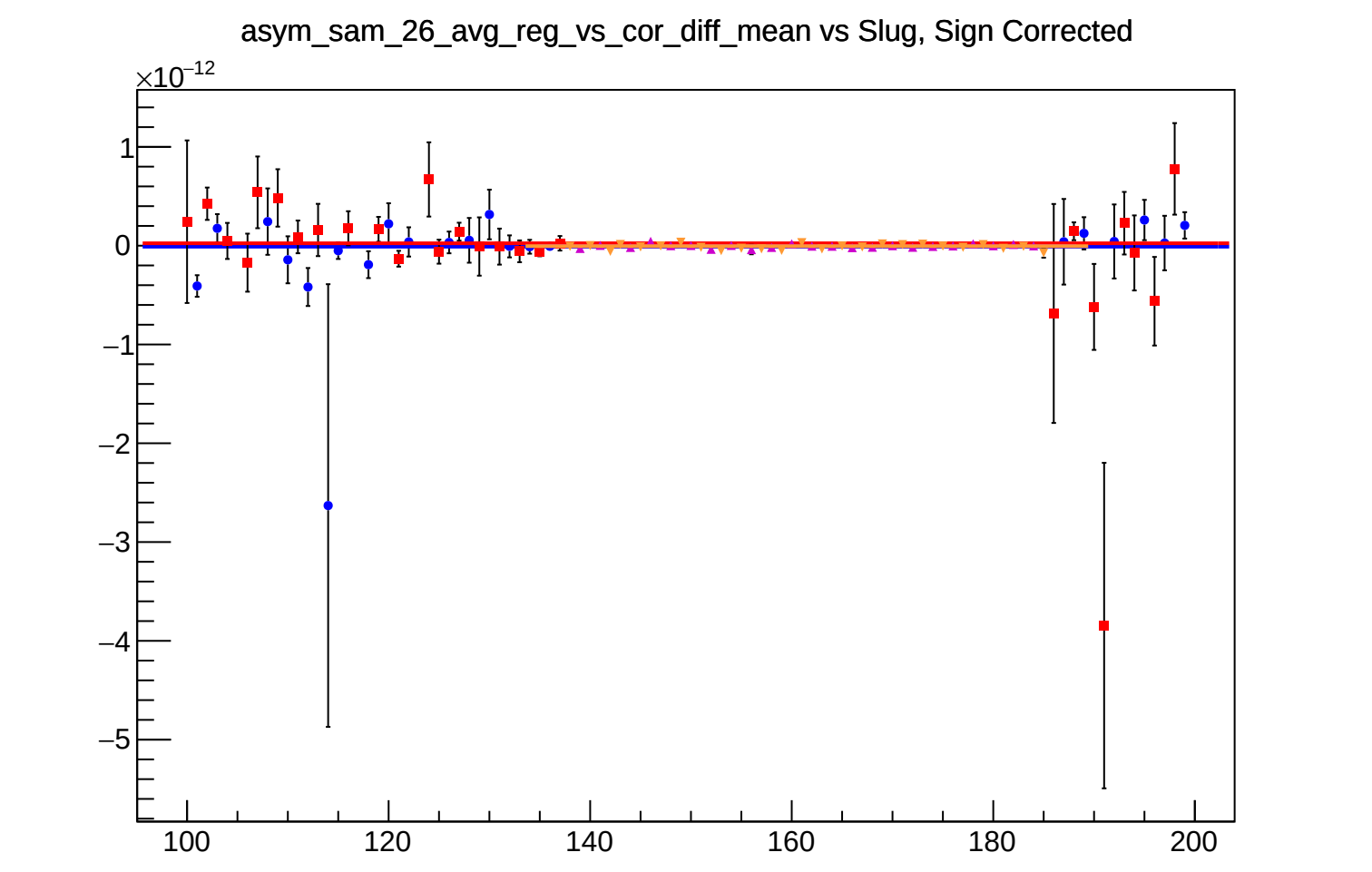
Left: 448.336+/-0.054 χ^2/NDF: 5777670.6/47

Right: 1426.486+/-0.220 χ^2/NDF: 6151347.8/48

In: 503.443+/-0.075 χ^2/NDF:13996518.7/44

Out: 504.916+/-0.073 χ^2/NDF:16655015.8/51

All: 504.194+/-0.052 χ^2/NDF: 30651731.7/96



Right In: -0.000+/-0.000 χ^2/NDF: 32.1/21

Left Out: -0.000+/-0.000 χ^2/NDF:23.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 40.5/26

Left In: -0.000+/-0.000 χ^2/NDF:16.7/22

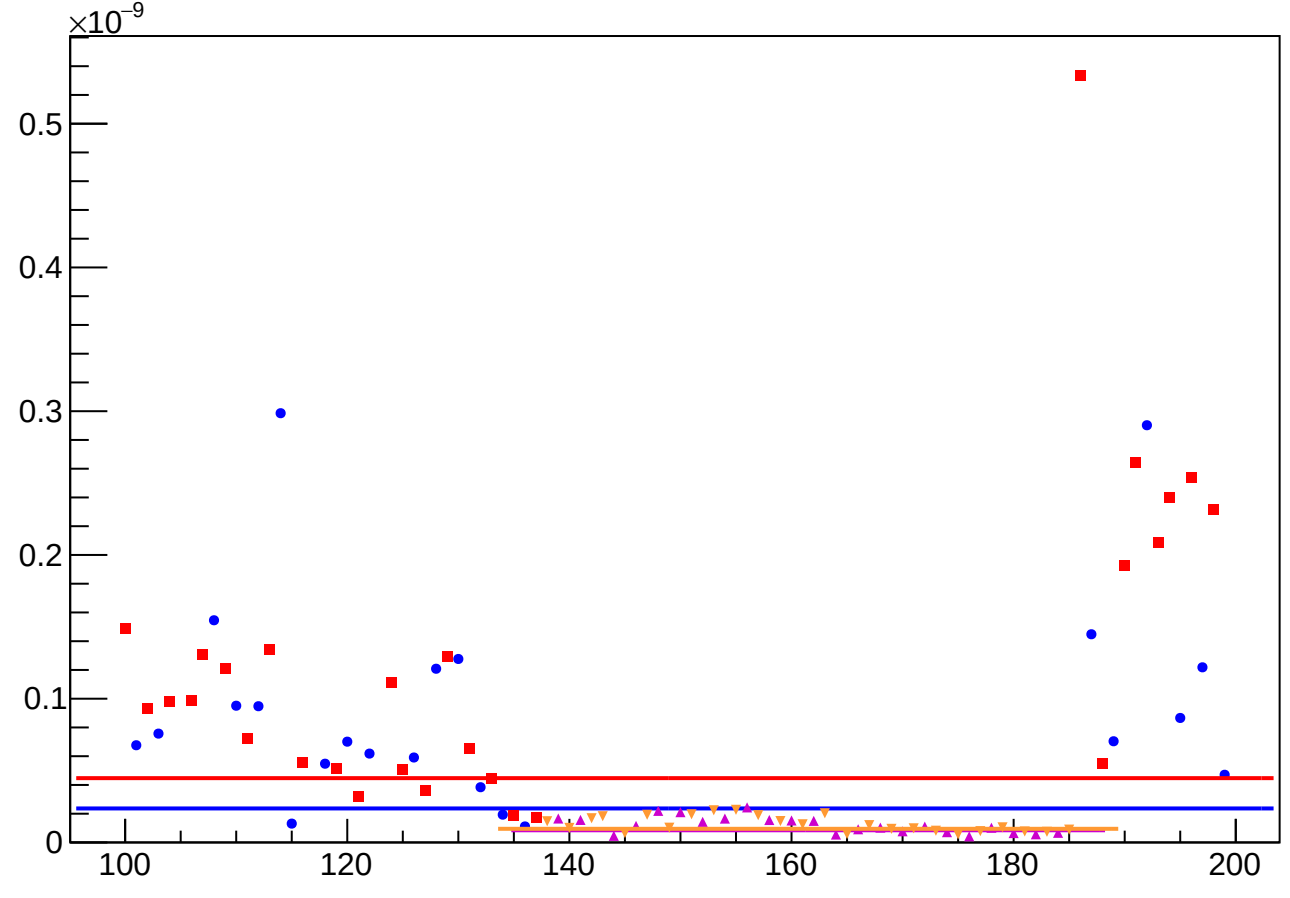
Left: -0.000+/-0.000 χ^2/NDF: 39.9/47

Right: 0.000+/-0.000 χ^2/NDF: 73.8/48

In: -0.000+/-0.000 χ^2/NDF:48.9/44

Out: -0.000+/-0.000 χ^2/NDF:64.8/51

All: -0.000+/-0.000 χ^2/NDF: 113.8/96



Right In: 0.000+/-0.000 χ^2/NDF: 5263504.0/21

Left Out: 0.000+/-0.000 χ^2/NDF:2422094.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4667648.4/26

Left In: 0.000+/-0.000 χ^2/NDF:2739291.5/22

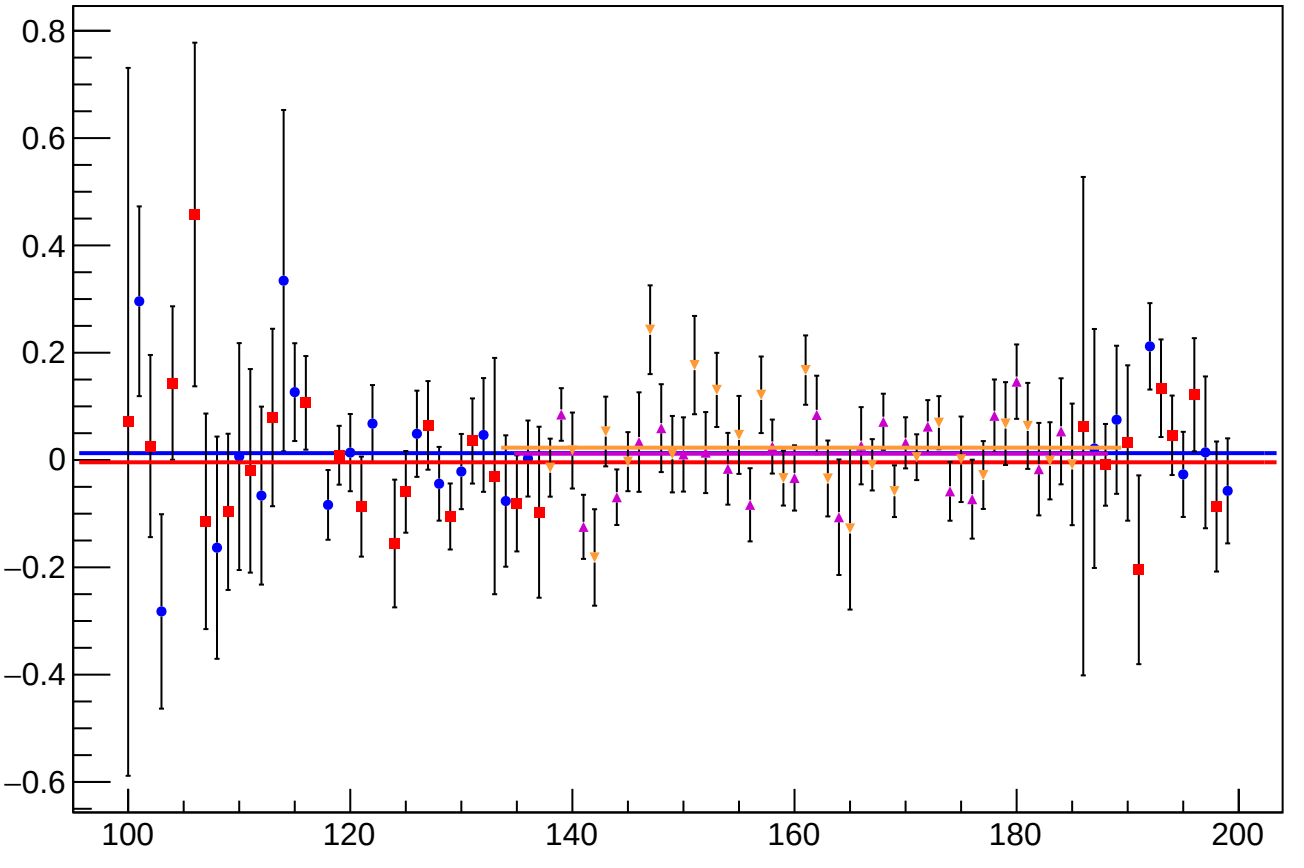
Left: 0.000+/-0.000 χ^2/NDF: 5231856.7/47

Right: 0.000+/-0.000 χ^2/NDF: 10835179.0/48

In: 0.000+/-0.000 χ^2/NDF:9454059.4/44

Out: 0.000+/-0.000 χ^2/NDF:10662113.0/51

All: 0.000+/-0.000 χ^2/NDF: 20202007.8/96



Right In: 0.013+/-0.021 χ^2/NDF: 20.4/21

Left Out: 0.023+/-0.013 χ^2/NDF:34.2/24

Right Out: -0.004+/-0.020 χ^2/NDF: 19.5/26

Left In: 0.012+/-0.013 χ^2/NDF:25.9/22

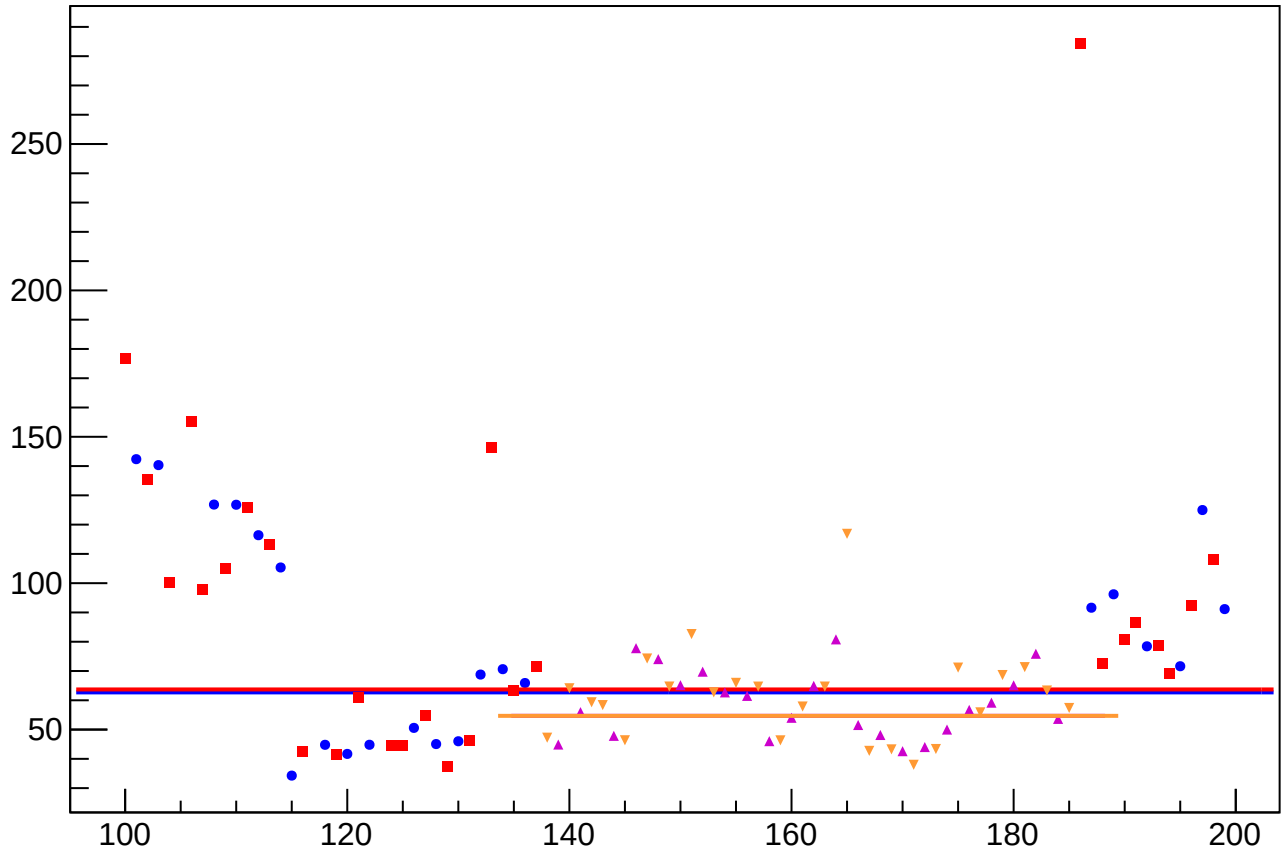
Left: 0.018+/-0.009 χ^2/NDF: 60.4/47

Right: 0.004+/-0.014 χ^2/NDF: 40.3/48

In: 0.012+/-0.011 χ^2/NDF:46.3/44

Out: 0.015+/-0.011 χ^2/NDF:55.0/51

All: 0.014+/-0.008 χ^2/NDF: 101.3/96



Right In: 62.696+/-0.015 χ^2/NDF: 3154884.4/21

Left Out: 54.686+/-0.009 χ^2/NDF:1936559.5/24

Right Out: 63.703+/-0.014 χ^2/NDF: 3750800.4/26

Left In: 54.688+/-0.009 χ^2/NDF:1190787.0/22

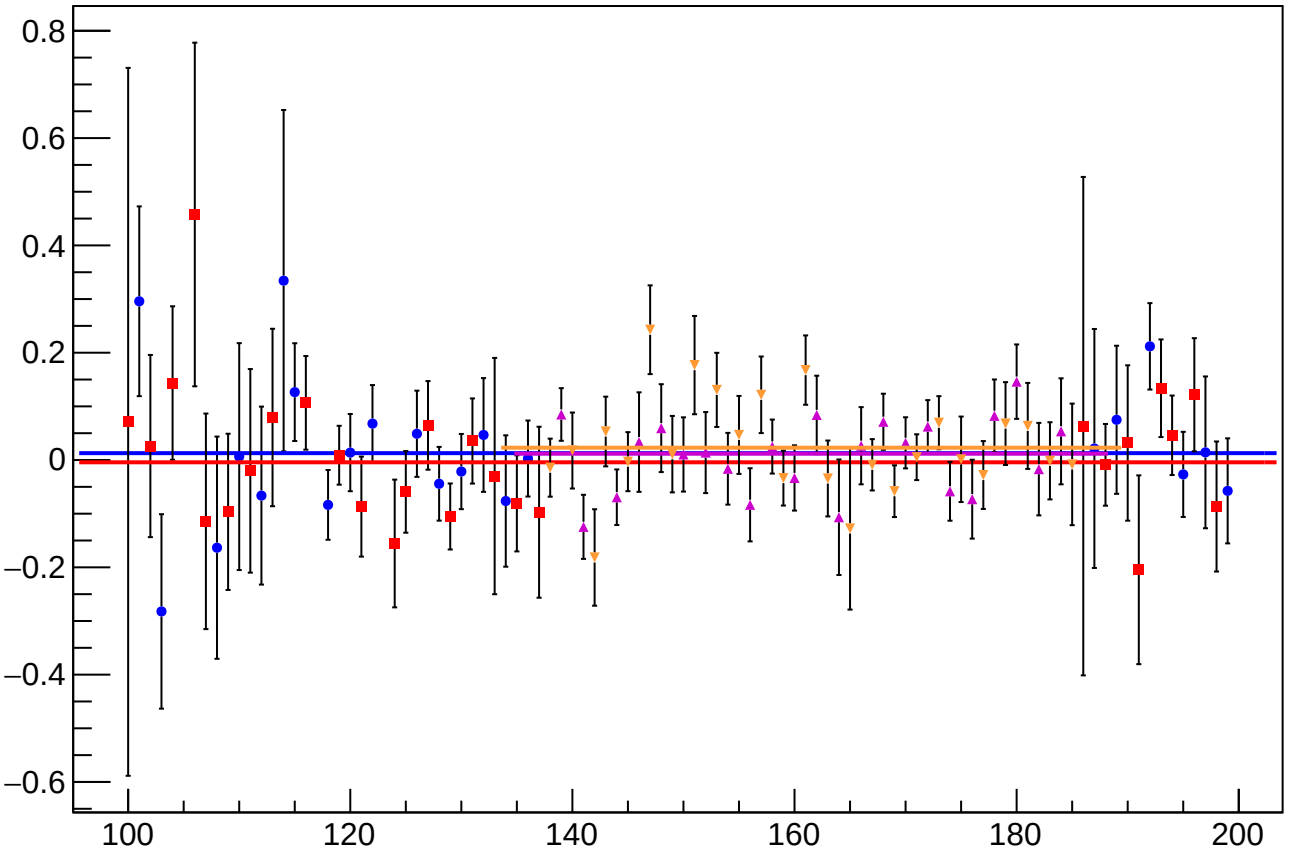
Left: 54.687+/-0.007 χ^2/NDF: 3127346.5/47

Right: 63.217+/-0.010 χ^2/NDF: 6908160.9/48

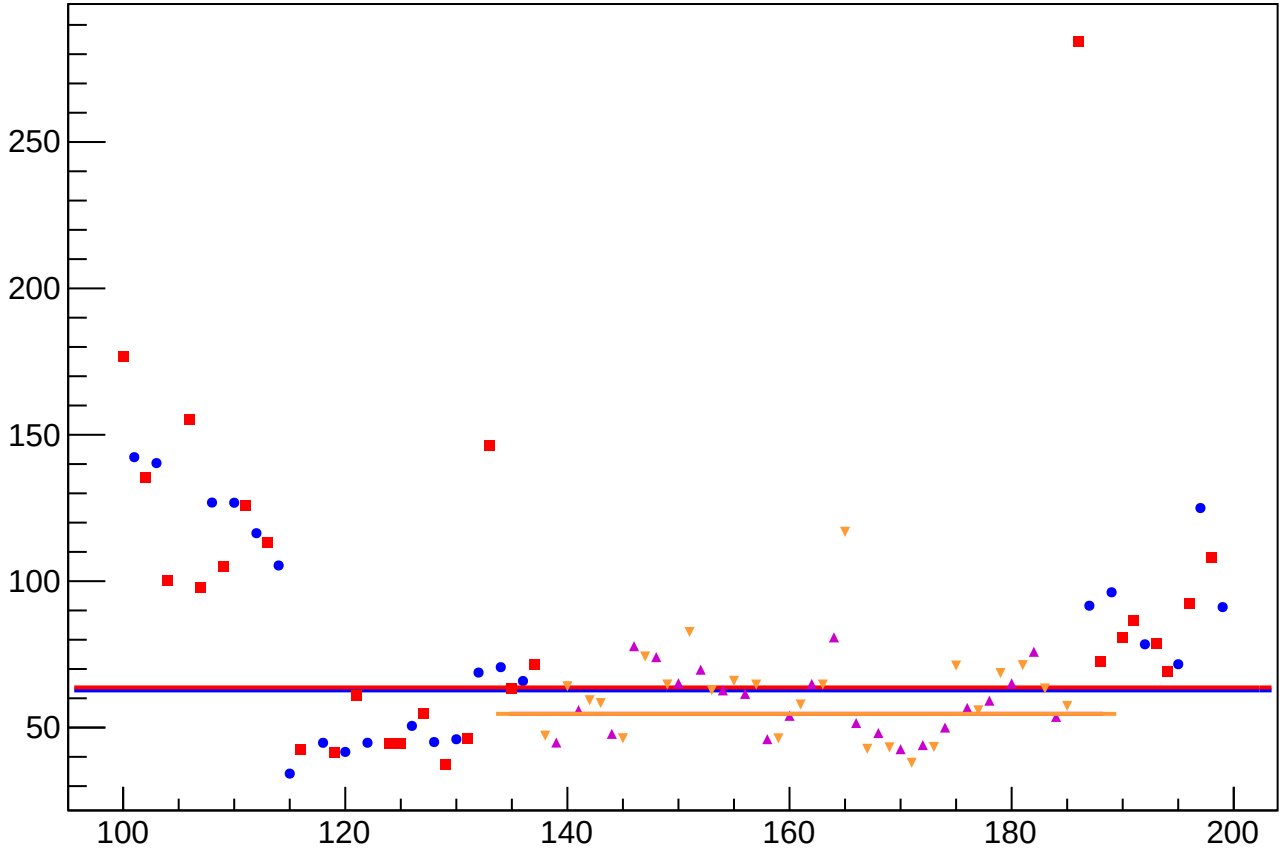
In: 57.039+/-0.008 χ^2/NDF:4559845.3/44

Out: 57.364+/-0.008 χ^2/NDF:5976221.3/51

All: 57.206+/-0.005 χ^2/NDF: 10536940.4/96


asym_sam_26_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
100
120
140
160
180
200
Right In: 0.013+/-0.021 χ²/NDF: 20.4/21
Left Out: 0.023+/-0.013 χ²/NDF:34.2/24
Right Out: -0.004+/-0.020 χ²/NDF: 19.5/26
Left In: 0.012+/-0.013 χ²/NDF:25.9/22
Left: 0.018+/-0.009 χ²/NDF: 60.4/47
Right: 0.004+/-0.014 χ²/NDF: 40.3/48
In: 0.012+/-0.011 χ²/NDF:46.3/44
Out: 0.015+/-0.011 χ²/NDF:55.0/51
All: 0.014+/-0.008 χ²/NDF: 101.3/96

asym_sam_26_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 62.696+/-0.015 χ^2/NDF: 3154884.4/21

Left Out: 54.686+/-0.009 χ^2/NDF:1936559.5/24

Right Out: 63.703+/-0.014 χ^2/NDF: 3750800.4/26

Left In: 54.688+/-0.009 χ^2/NDF:1190787.0/22

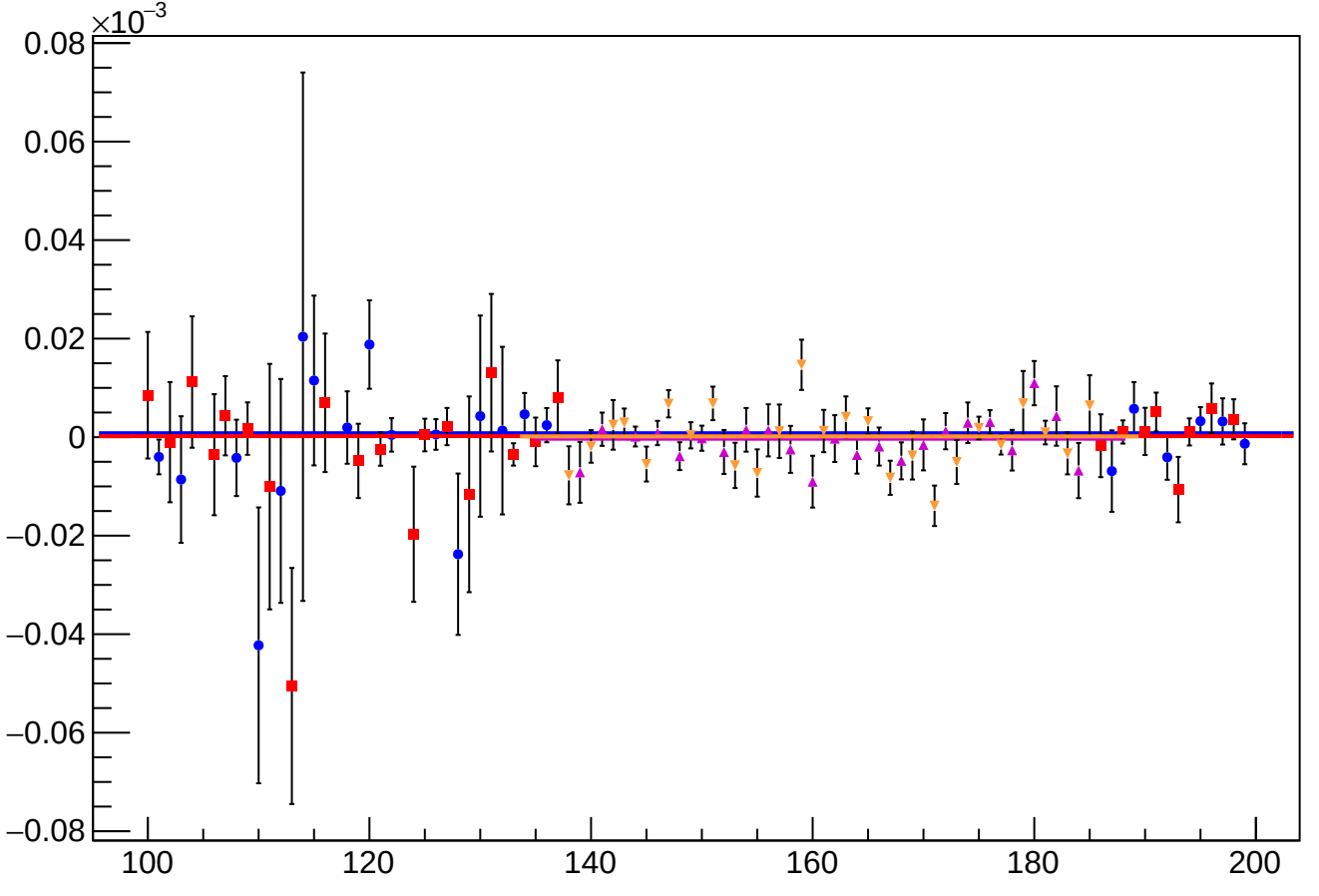
Left: 54.687+/-0.007 χ^2/NDF: 3127346.5/47

Right: 63.217+/-0.010 χ^2/NDF: 6908160.9/48

In: 57.039+/-0.008 χ^2/NDF:4559845.3/44

Out: 57.364+/-0.008 χ^2/NDF:5976221.3/51

All: 57.206+/-0.005 χ^2/NDF: 10536940.4/96



Right In: 0.000+/-0.000 χ^2/NDF: 17.4/21

Left Out: 0.000+/-0.000 χ^2/NDF:53.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 21.2/26

Left In: -0.000+/-0.000 χ^2/NDF:20.7/22

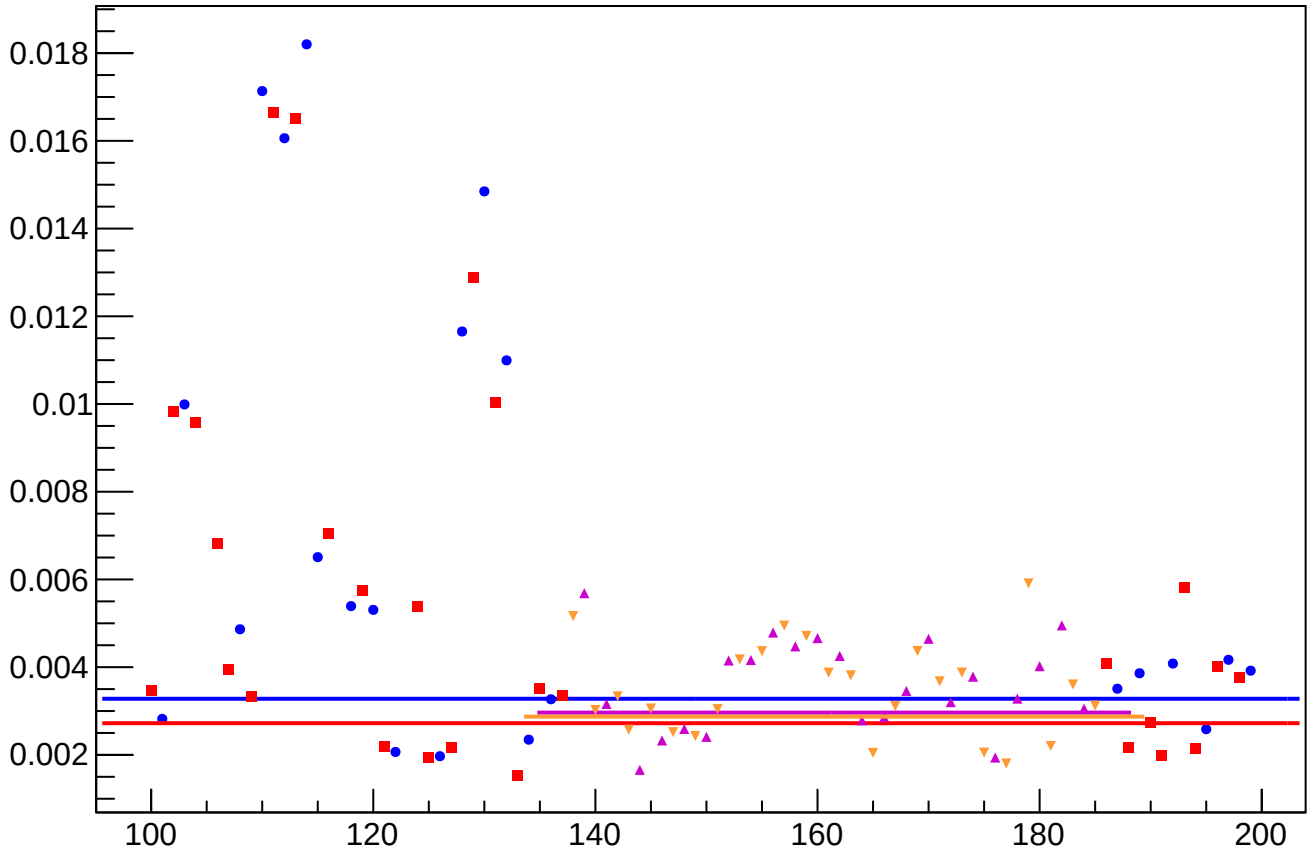
Left: -0.000+/-0.000 χ^2/NDF: 74.6/47

Right: 0.000+/-0.000 χ^2/NDF: 38.8/48

In: 0.000+/-0.000 χ^2/NDF:38.8/44

Out: 0.000+/-0.000 χ^2/NDF:75.0/51

All: 0.000+/-0.000 χ^2/NDF: 113.8/96



Right In: 0.003+/-0.000 χ^2/NDF: 4881721.4/21

Left Out: 0.003+/-0.000 χ^2/NDF:3602368.5/24

Right Out: 0.003+/-0.000 χ^2/NDF: 6201335.6/26

Left In: 0.003+/-0.000 χ^2/NDF:3619016.3/22

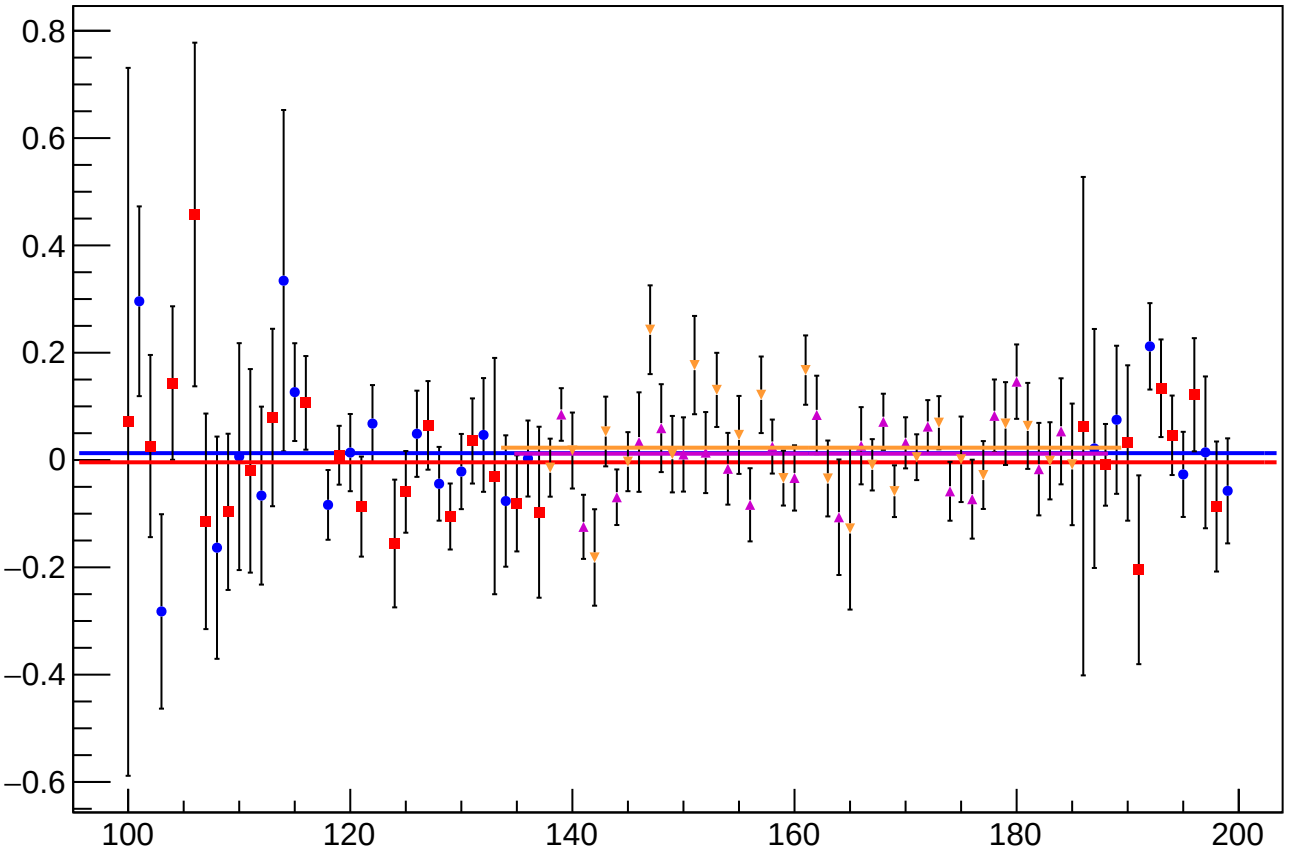
Left: 0.003+/-0.000 χ^2/NDF: 7237301.1/47

Right: 0.003+/-0.000 χ^2/NDF: 11379557.5/48

In: 0.003+/-0.000 χ^2/NDF:8610726.5/44

Out: 0.003+/-0.000 χ^2/NDF:9838011.5/51

All: 0.003+/-0.000 χ^2/NDF: 18619604.7/96



Right In: 0.013+/-0.021 χ^2/NDF: 20.4/21

Left Out: 0.023+/-0.013 χ^2/NDF:34.2/24

Right Out: -0.004+/-0.020 χ^2/NDF: 19.5/26

Left In: 0.012+/-0.013 χ^2/NDF:25.9/22

Left: 0.018+/-0.009 χ^2/NDF: 60.4/47

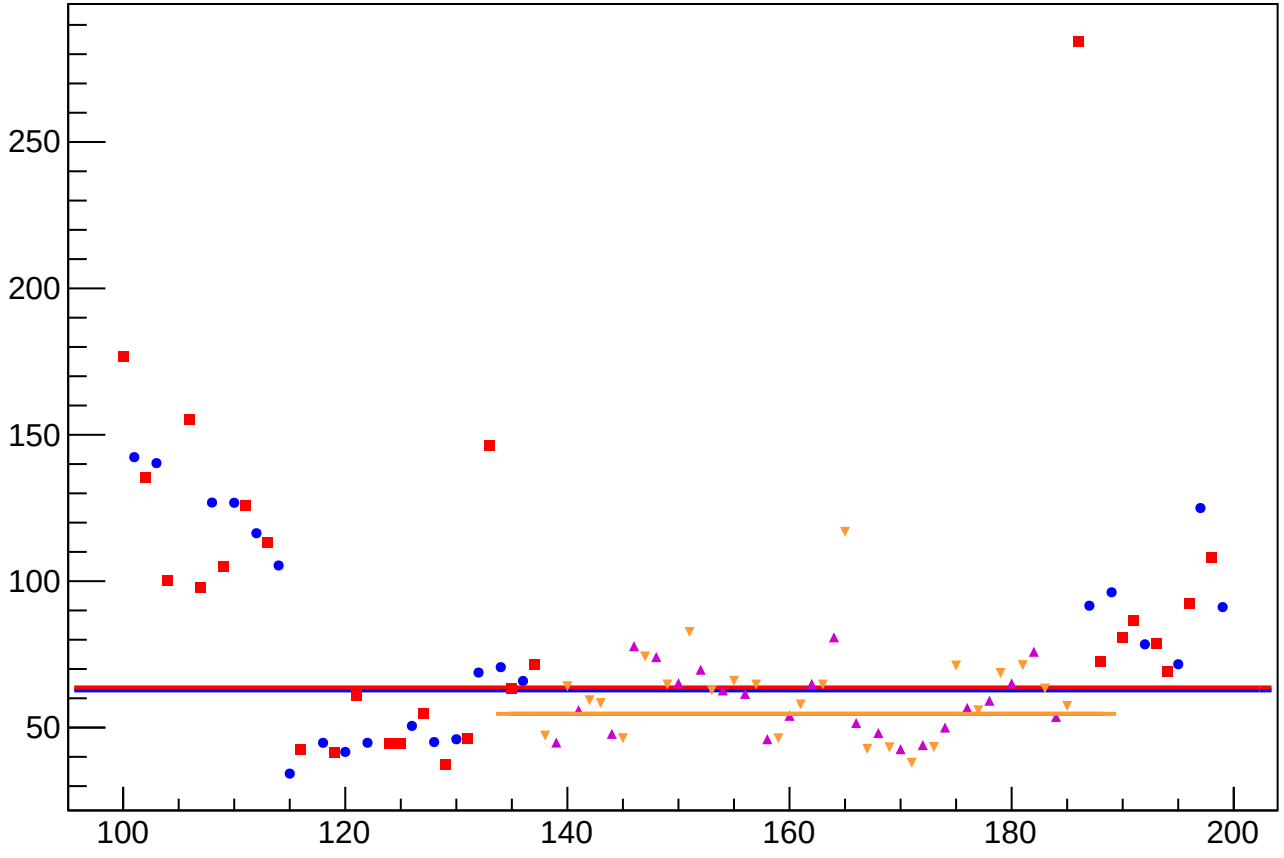
Right: 0.004+/-0.014 χ^2/NDF: 40.3/48

In: 0.012+/-0.011 χ^2/NDF:46.3/44

Out: 0.015+/-0.011 χ^2/NDF:55.0/51

All: 0.014+/-0.008 χ^2/NDF: 101.3/96

asym_sam_26_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 62.696+/-0.015 χ^2/NDF: 3154859.1/21

Left Out: 54.686+/-0.009 χ^2/NDF:1936555.1/24

Right Out: 63.703+/-0.014 χ^2/NDF: 3750776.6/26

Left In: 54.689+/-0.009 χ^2/NDF:1190755.4/22

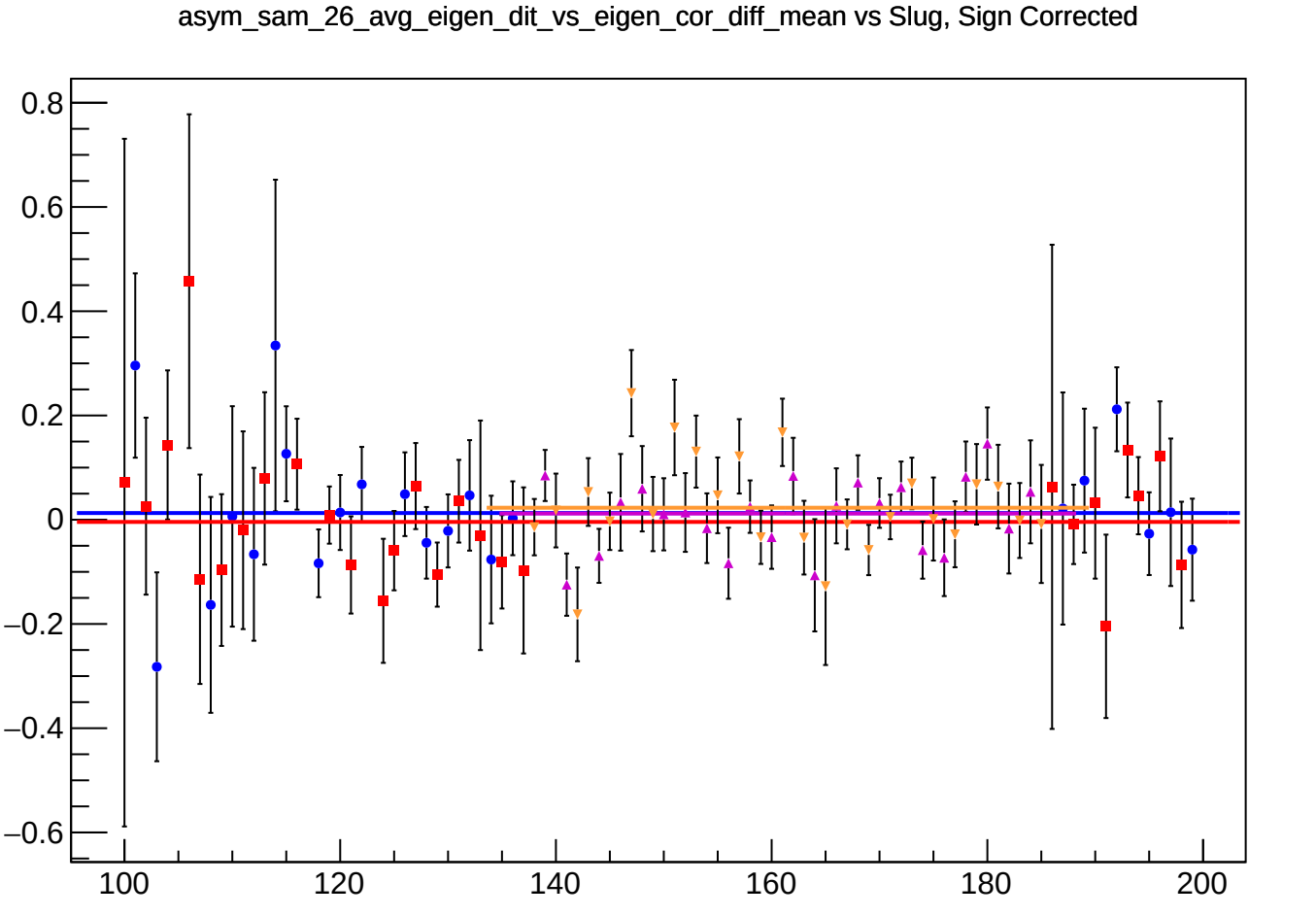
Left: 54.688+/-0.007 χ^2/NDF: 3127310.5/47

Right: 63.216+/-0.010 χ^2/NDF: 6908111.2/48

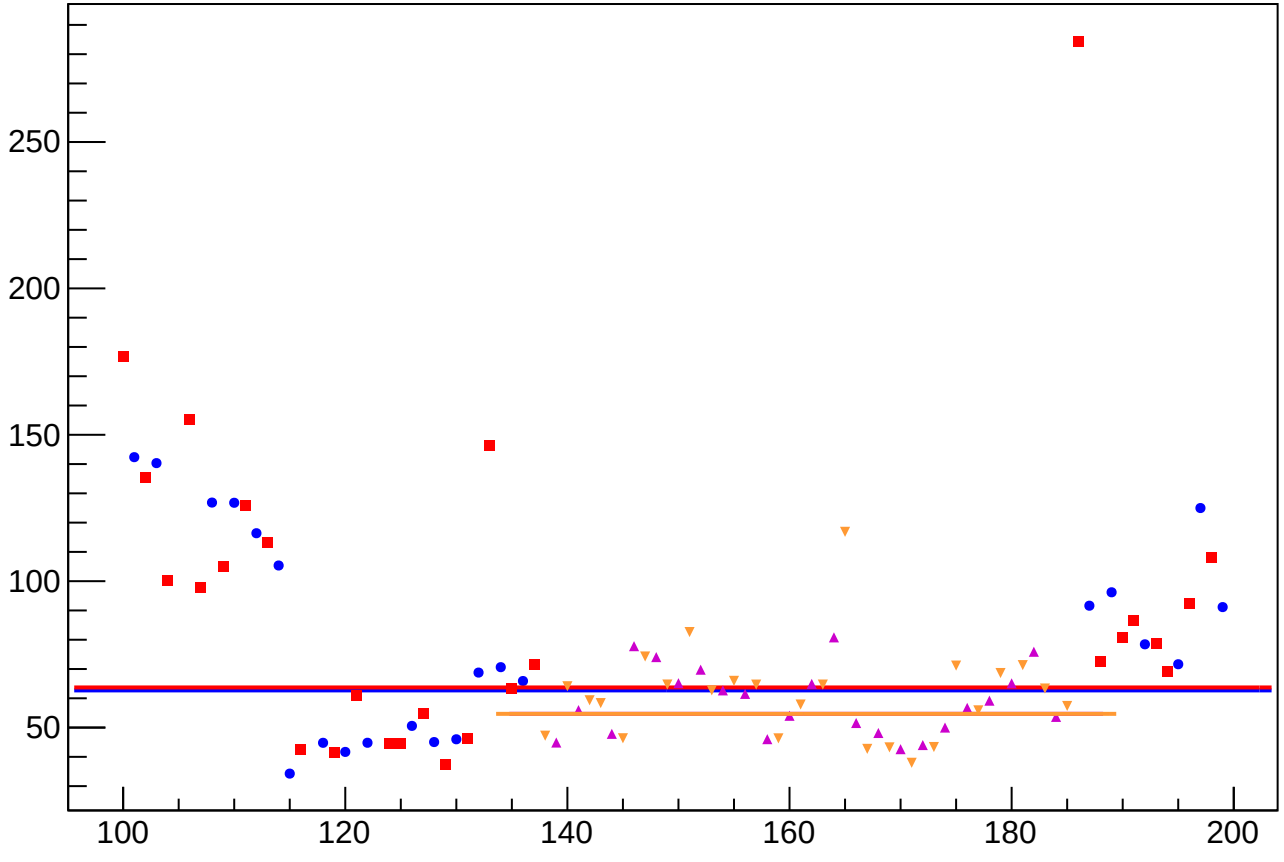
In: 57.039+/-0.008 χ^2/NDF:4559742.6/44

Out: 57.364+/-0.008 χ^2/NDF:5976138.2/51

All: 57.206+/-0.005 χ^2/NDF: 10536753.8/96


asym_sam_26_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
100
120
140
160
180
200
Right In: 0.013+/-0.021 χ²/NDF: 20.4/21
Left Out: 0.023+/-0.013 χ²/NDF:34.2/24
Right Out: -0.004+/-0.020 χ²/NDF: 19.5/26
Left In: 0.012+/-0.013 χ²/NDF:25.9/22
Left: 0.018+/-0.009 χ²/NDF: 60.4/47
Right: 0.004+/-0.014 χ²/NDF: 40.3/48
In: 0.012+/-0.011 χ²/NDF:46.3/44
Out: 0.015+/-0.011 χ²/NDF:55.0/51
All: 0.014+/-0.008 χ²/NDF: 101.3/96

asym_sam_26_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 62.696+/-0.015 χ^2/NDF: 3154859.1/21

Left Out: 54.686+/-0.009 χ^2/NDF:1936555.1/24

Right Out: 63.703+/-0.014 χ^2/NDF: 3750776.6/26

Left In: 54.689+/-0.009 χ^2/NDF:1190755.4/22

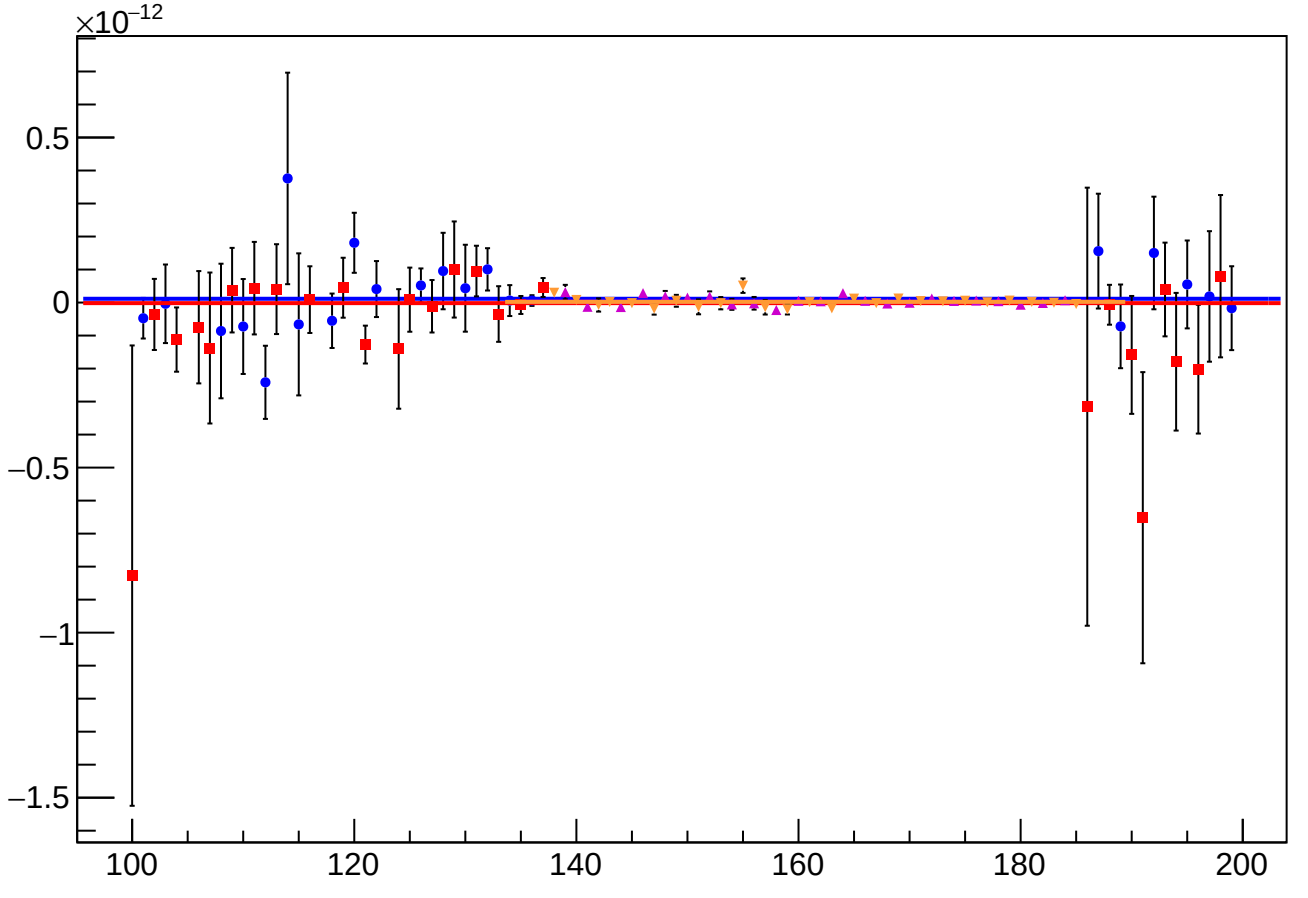
Left: 54.688+/-0.007 χ^2/NDF: 3127310.5/47

Right: 63.216+/-0.010 χ^2/NDF: 6908111.2/48

In: 57.039+/-0.008 χ^2/NDF:4559742.6/44

Out: 57.364+/-0.008 χ^2/NDF:5976138.2/51

All: 57.206+/-0.005 χ^2/NDF: 10536753.8/96



Right In: 0.000+/-0.000 χ^2/NDF: 17.6/21

Left Out: 0.000+/-0.000 χ^2/NDF:20.7/24

Right Out: -0.000+/-0.000 χ^2/NDF: 19.5/26

Left In: 0.000+/-0.000 χ^2/NDF:33.1/22

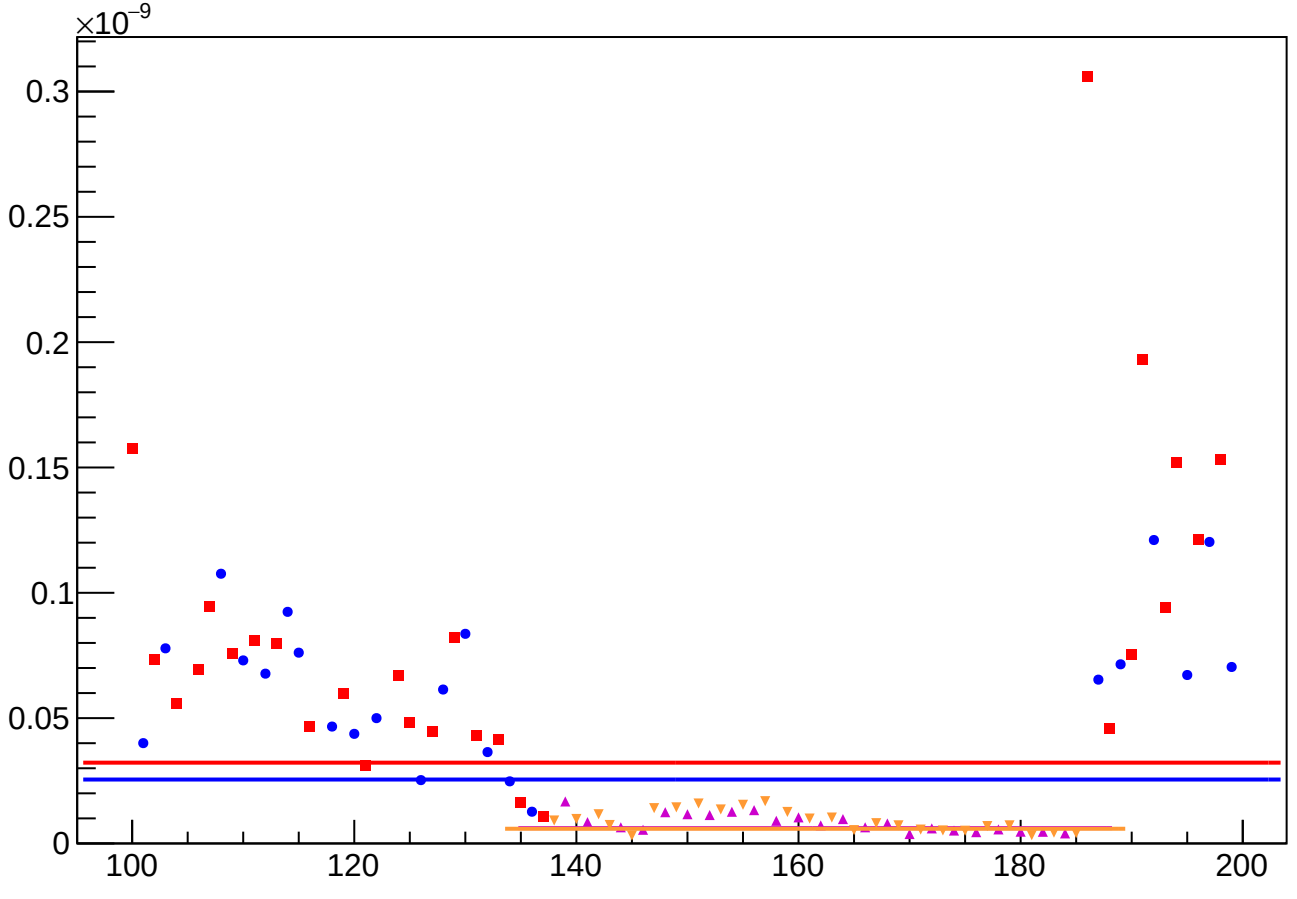
Left: 0.000+/-0.000 χ^2/NDF: 53.9/47

Right: 0.000+/-0.000 χ^2/NDF: 37.5/48

In: 0.000+/-0.000 χ^2/NDF:51.2/44

Out: 0.000+/-0.000 χ^2/NDF:40.3/51

All: 0.000+/-0.000 χ^2/NDF: 91.5/96



Right In: 0.000+/-0.000 χ^2/NDF: 5709197.8/21

Left Out: 0.000+/-0.000 χ^2/NDF:5538819.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6717754.2/26

Left In: 0.000+/-0.000 χ^2/NDF:3304370.7/22

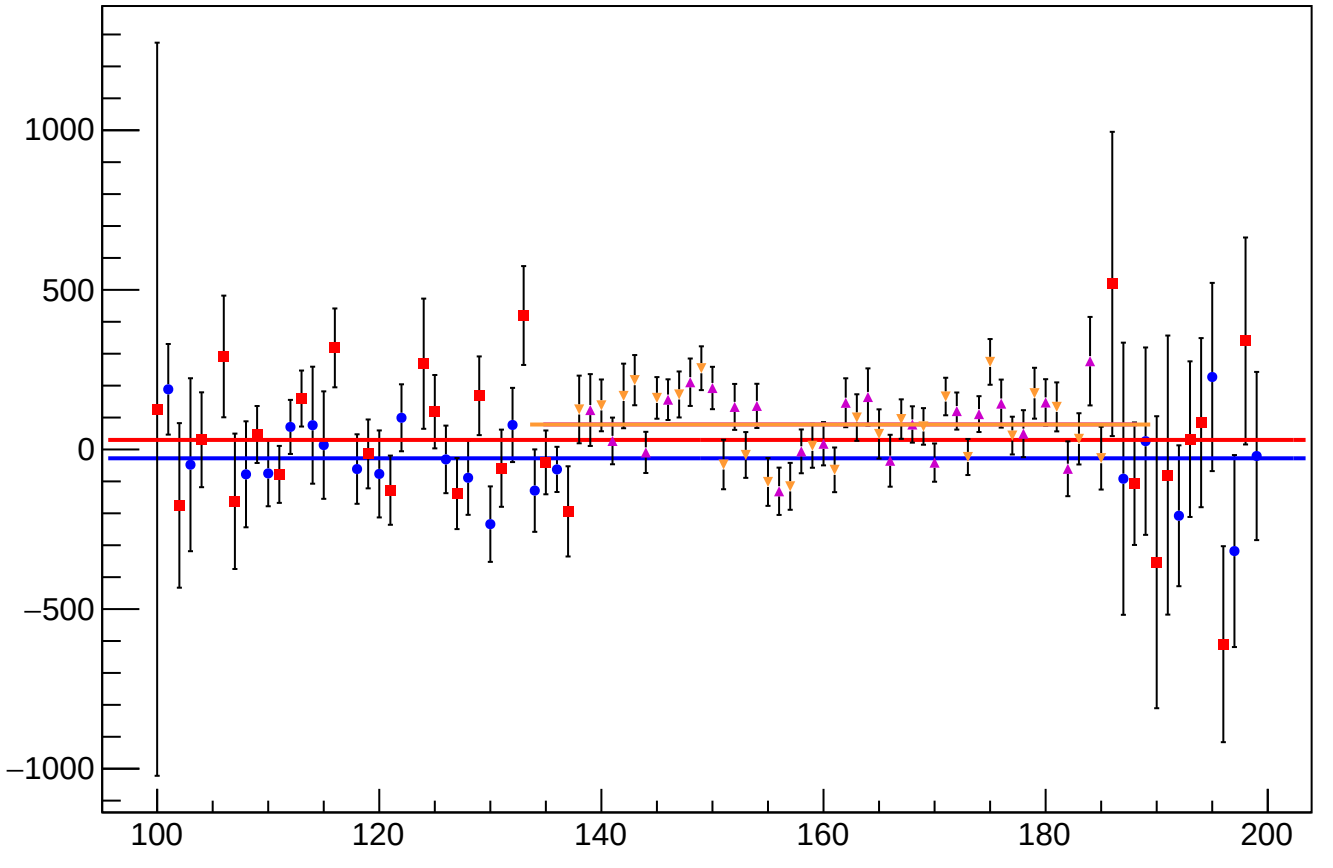
Left: 0.000+/-0.000 χ^2/NDF: 8861543.6/47

Right: 0.000+/-0.000 χ^2/NDF: 12666262.1/48

In: 0.000+/-0.000 χ^2/NDF:13590034.1/44

Out: 0.000+/-0.000 χ^2/NDF:18542917.8/51

All: 0.000+/-0.000 χ^2/NDF: 32156768.0/96



Right In: -27.647+/-28.051 χ^2/NDF: 13.4/21

Left Out: 78.159+/-14.326 χ^2/NDF:53.9/24

Right Out: 29.906+/-27.442 χ^2/NDF: 37.8/26

Left In: 78.506+/-14.811 χ^2/NDF:36.7/22

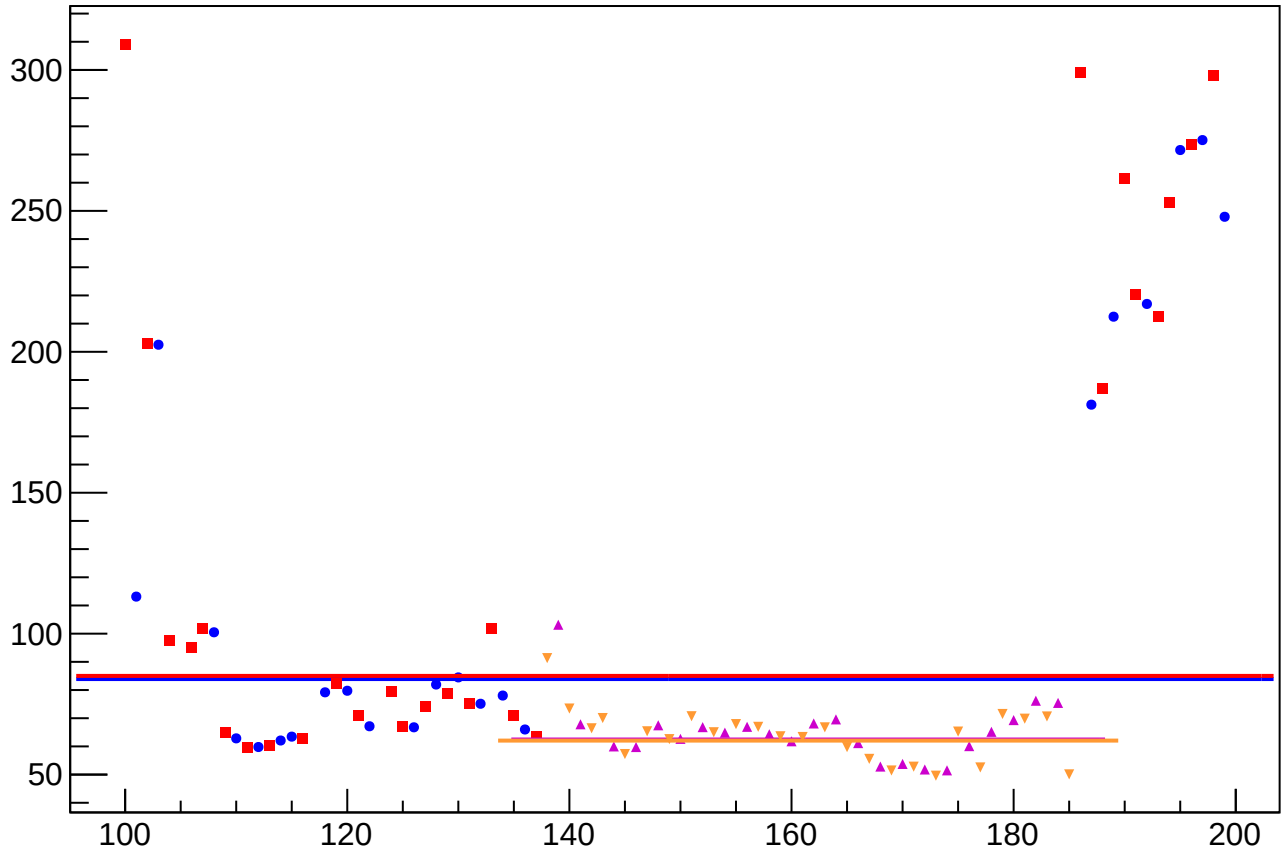
Left: 78.327+/-10.297 χ^2/NDF: 90.5/47

Right: 1.761+/-19.616 χ^2/NDF: 53.3/48

In: 55.363+/-13.098 χ^2/NDF:61.3/44

Out: 67.825+/-12.699 χ^2/NDF:94.1/51

All: 61.786+/-9.117 χ^2/NDF: 155.8/96



Right In: 83.898+/-0.020 χ^2/NDF: 4654913.4/21

Left Out: 62.063+/-0.010 χ^2/NDF:686530.2/24

Right Out: 85.014+/-0.019 χ^2/NDF: 5669238.2/26

Left In: 62.445+/-0.010 χ^2/NDF:664644.9/22

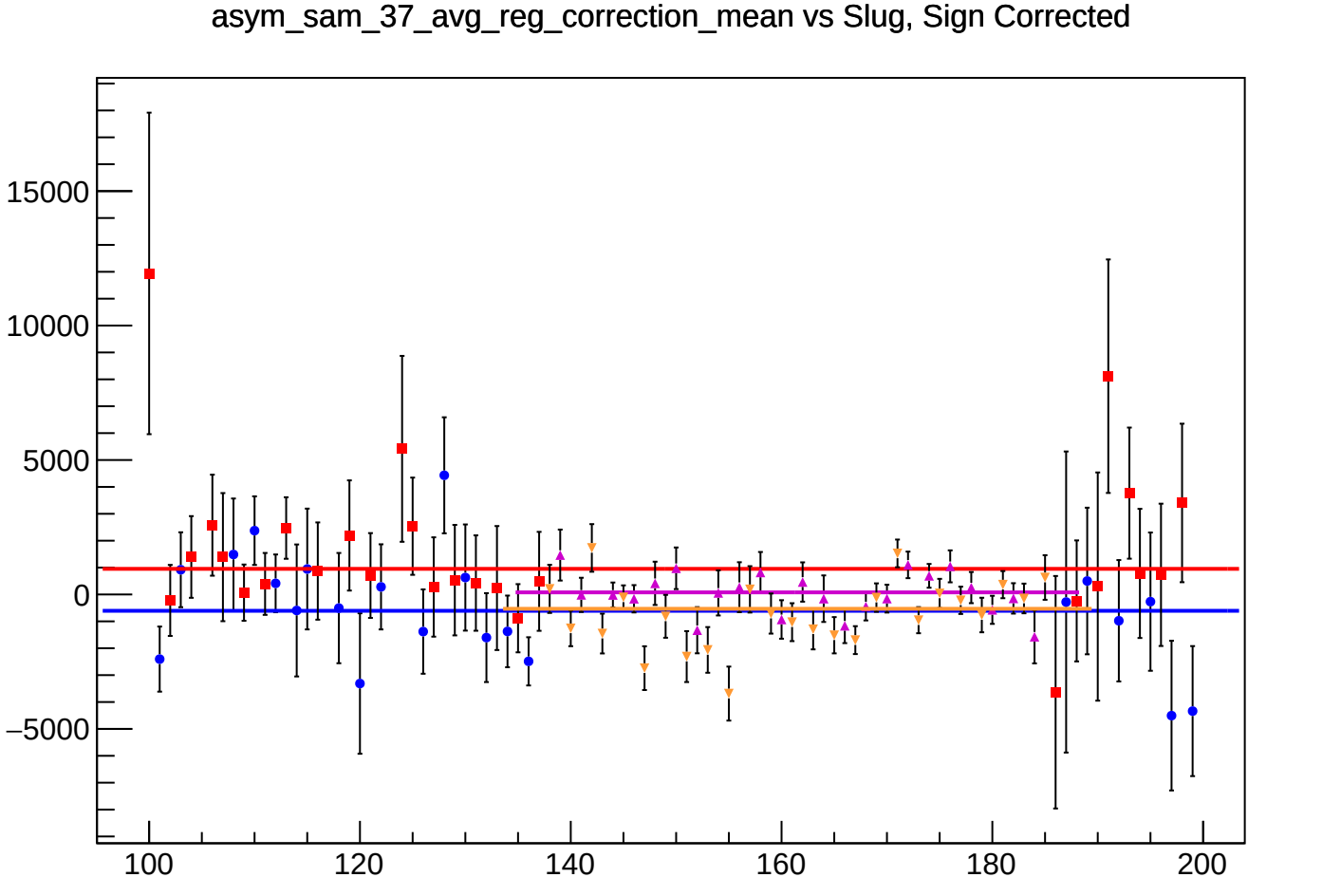
Left: 62.248+/-0.007 χ^2/NDF: 1351864.4/47

Right: 84.468+/-0.014 χ^2/NDF: 10325769.1/48

In: 67.122+/-0.009 χ^2/NDF:6234275.5/44

Out: 66.978+/-0.009 χ^2/NDF:7455103.9/51

All: 67.048+/-0.006 χ^2/NDF: 13689504.9/96



Right In: -607.585+/-355.240 χ^2/NDF: 28.4/21

Left Out: -532.779+/-127.927 χ^2/NDF:69.1/24

Right Out: 952.519+/-349.722 χ^2/NDF: 19.3/26

Left In: 77.393+/-130.317 χ^2/NDF:28.4/22

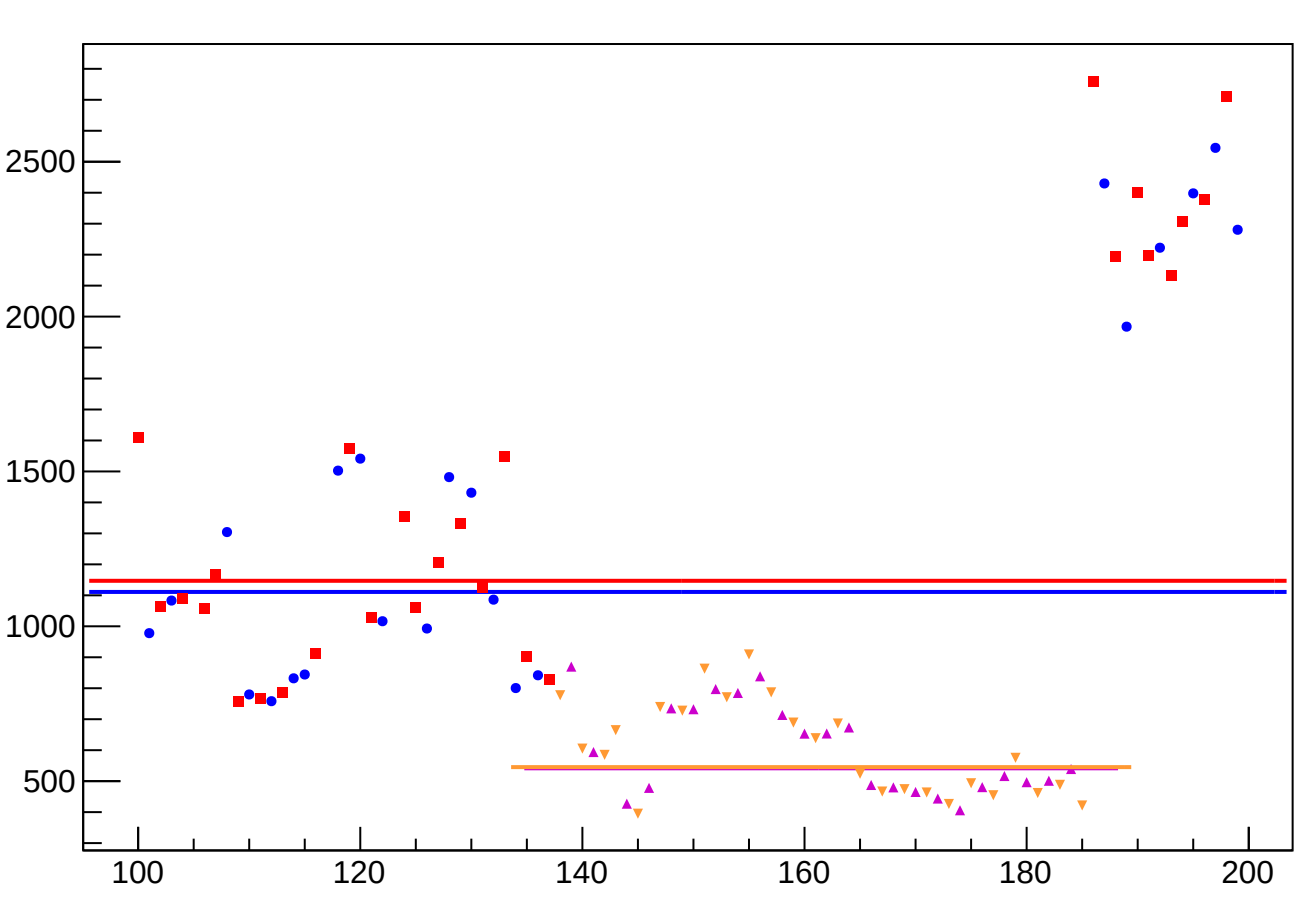
Left: -233.341+/-91.291 χ^2/NDF: 108.6/47

Right: 184.676+/-249.219 χ^2/NDF: 57.5/48

In: -3.854+/-122.345 χ^2/NDF:60.0/44

Out: -357.492+/-120.141 χ^2/NDF:104.3/51

All: -183.887+/-85.721 χ^2/NDF: 168.6/96



Right In: 1110.959+/-0.251 χ^2/NDF: 3286724.5/21

Left Out: 545.304+/-0.090 χ^2/NDF:2083690.3/24

Right Out: 1146.909+/-0.247 χ^2/NDF: 3869195.7/26

Left In: 541.458+/-0.092 χ^2/NDF:1840342.7/22

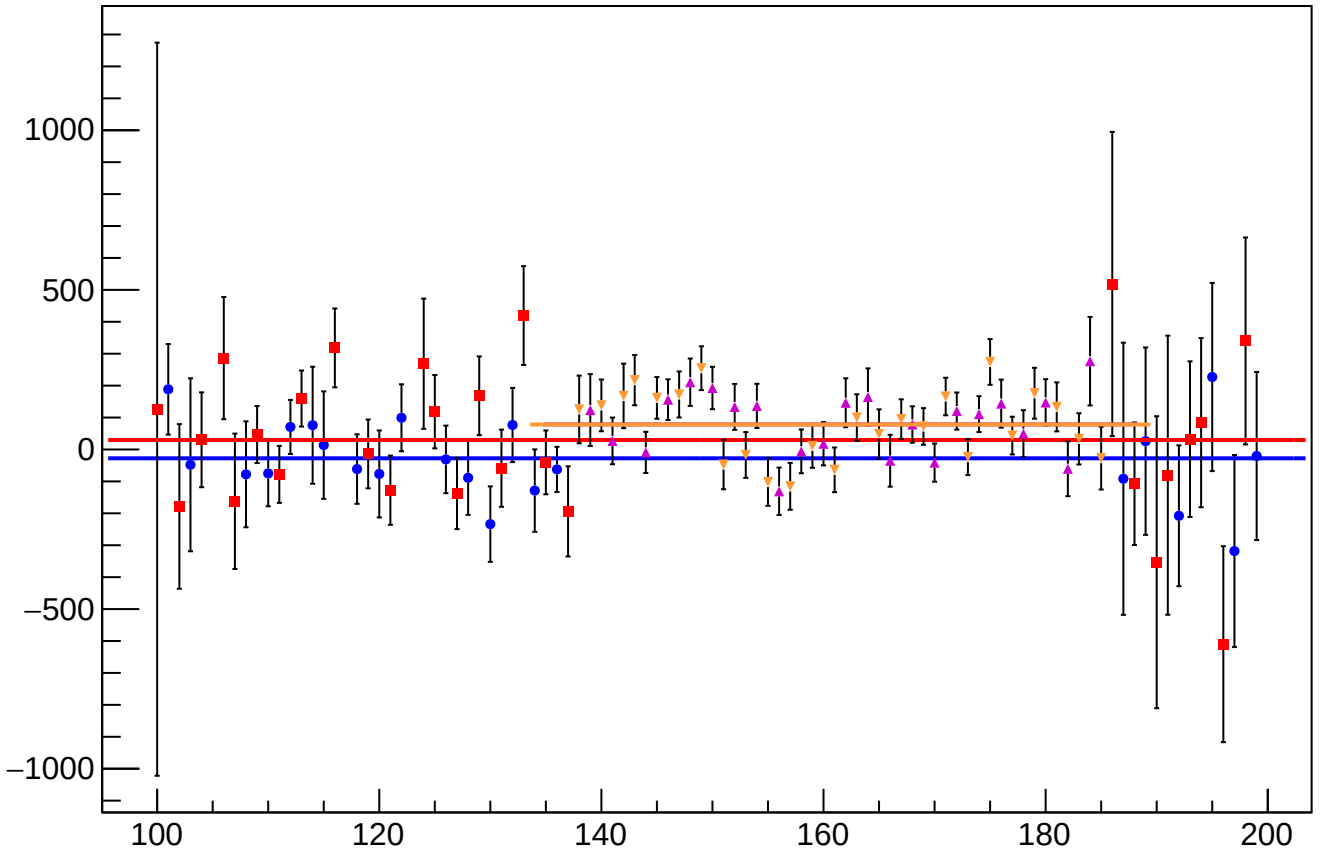
Left: 543.417+/-0.065 χ^2/NDF: 3924920.4/47

Right: 1129.216+/-0.176 χ^2/NDF: 7166321.8/48

In: 609.007+/-0.087 χ^2/NDF:9657547.5/44

Out: 616.302+/-0.085 χ^2/NDF:11172848.5/51

All: 612.721+/-0.061 χ^2/NDF: 20834016.0/96



Right In: -27.654+/-28.051 χ^2/NDF: 13.4/21

Left Out: 78.162+/-14.326 χ^2/NDF:53.9/24

Right Out: 29.717+/-27.445 χ^2/NDF: 37.7/26

Left In: 78.506+/-14.811 χ^2/NDF:36.7/22

Left: 78.329+/-10.297 χ^2/NDF: 90.5/47

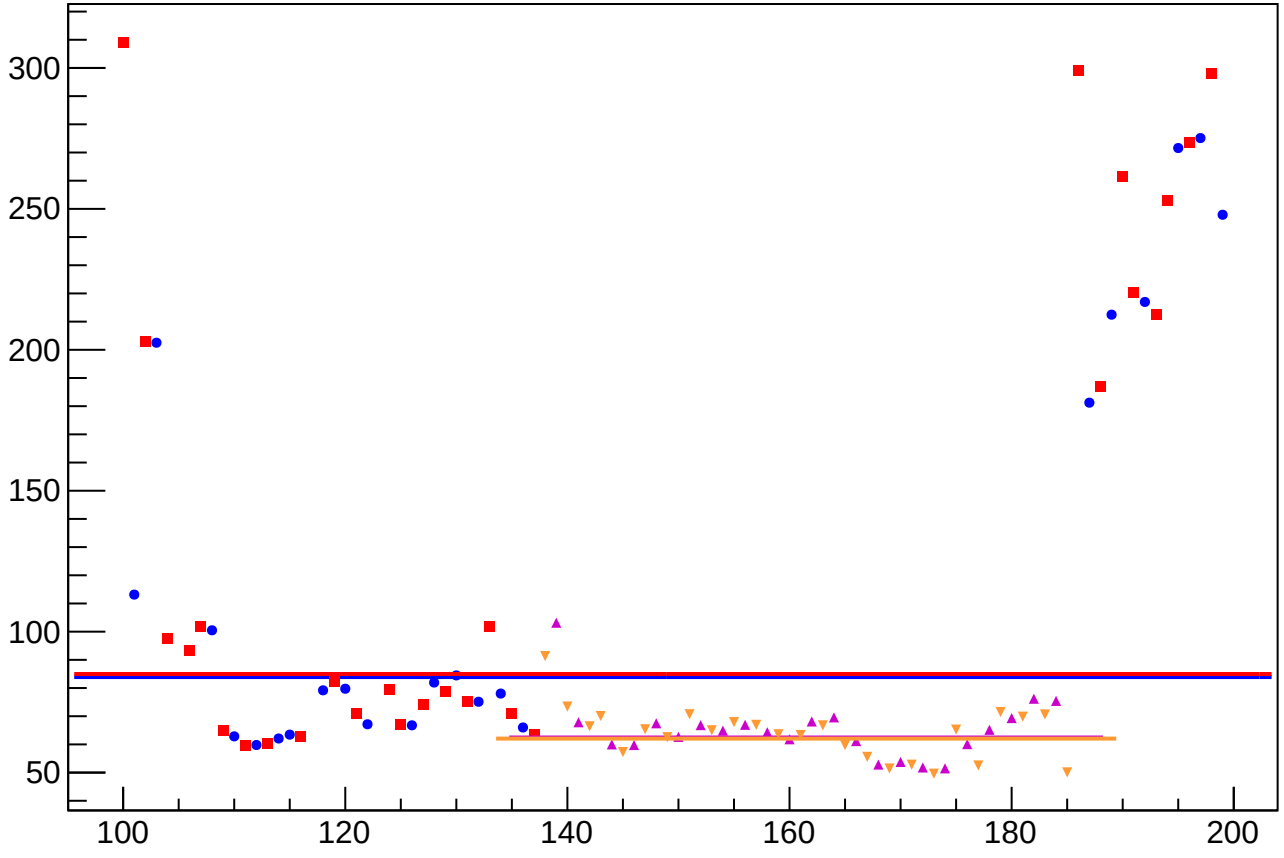
Right: 1.658+/-19.617 χ^2/NDF: 53.3/48

In: 55.361+/-13.098 χ^2/NDF:61.3/44

Out: 67.789+/-12.700 χ^2/NDF:94.0/51

All: 61.767+/-9.117 χ^2/NDF: 155.8/96

cor_asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 83.898+/-0.020 χ^2/NDF: 4654915.6/21

Left Out: 62.063+/-0.010 χ^2/NDF:686530.2/24

Right Out: 84.977+/-0.019 χ^2/NDF: 5667707.0/26

Left In: 62.445+/-0.010 χ^2/NDF:664644.9/22

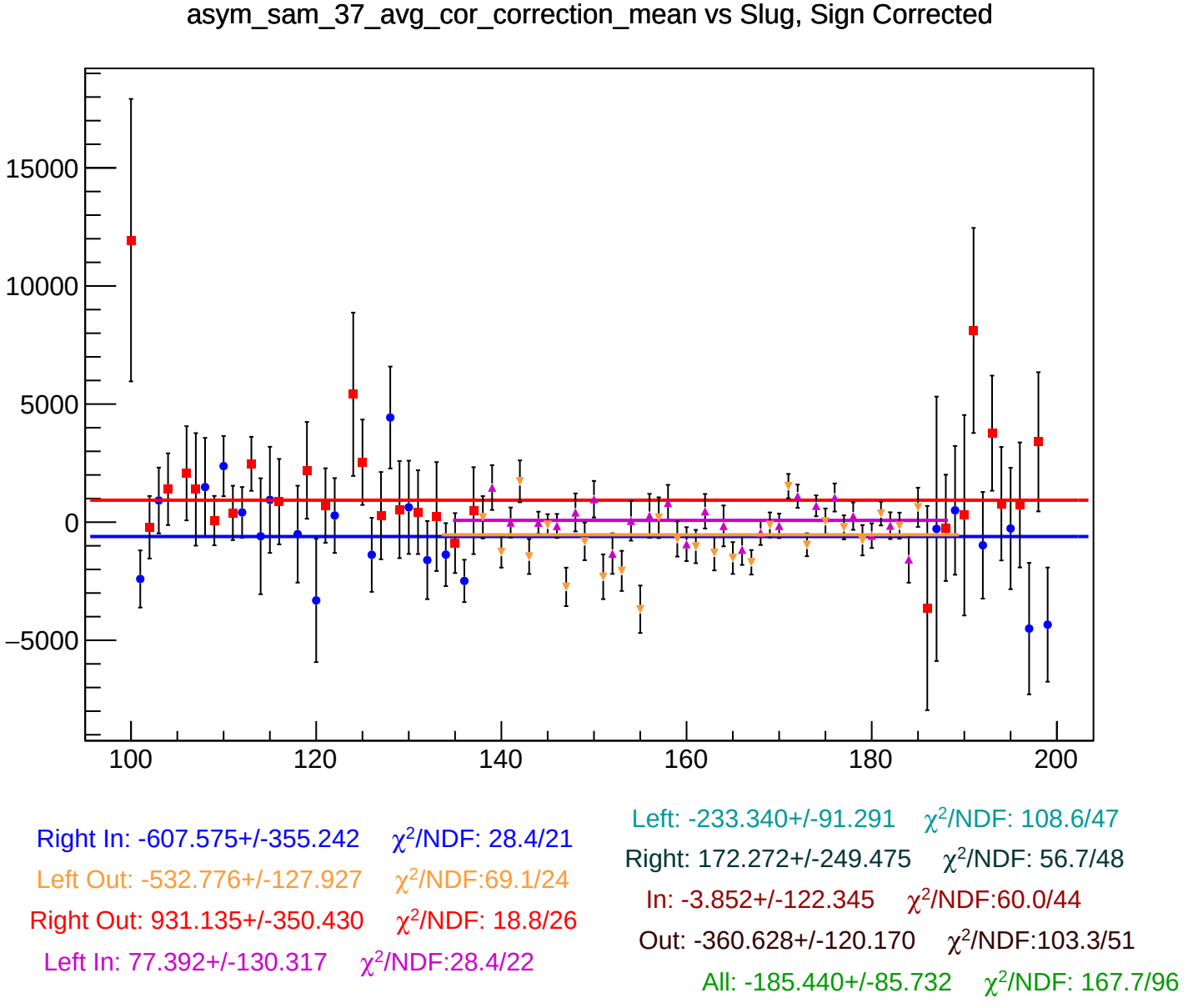
Left: 62.248+/-0.007 χ^2/NDF: 1351864.3/47

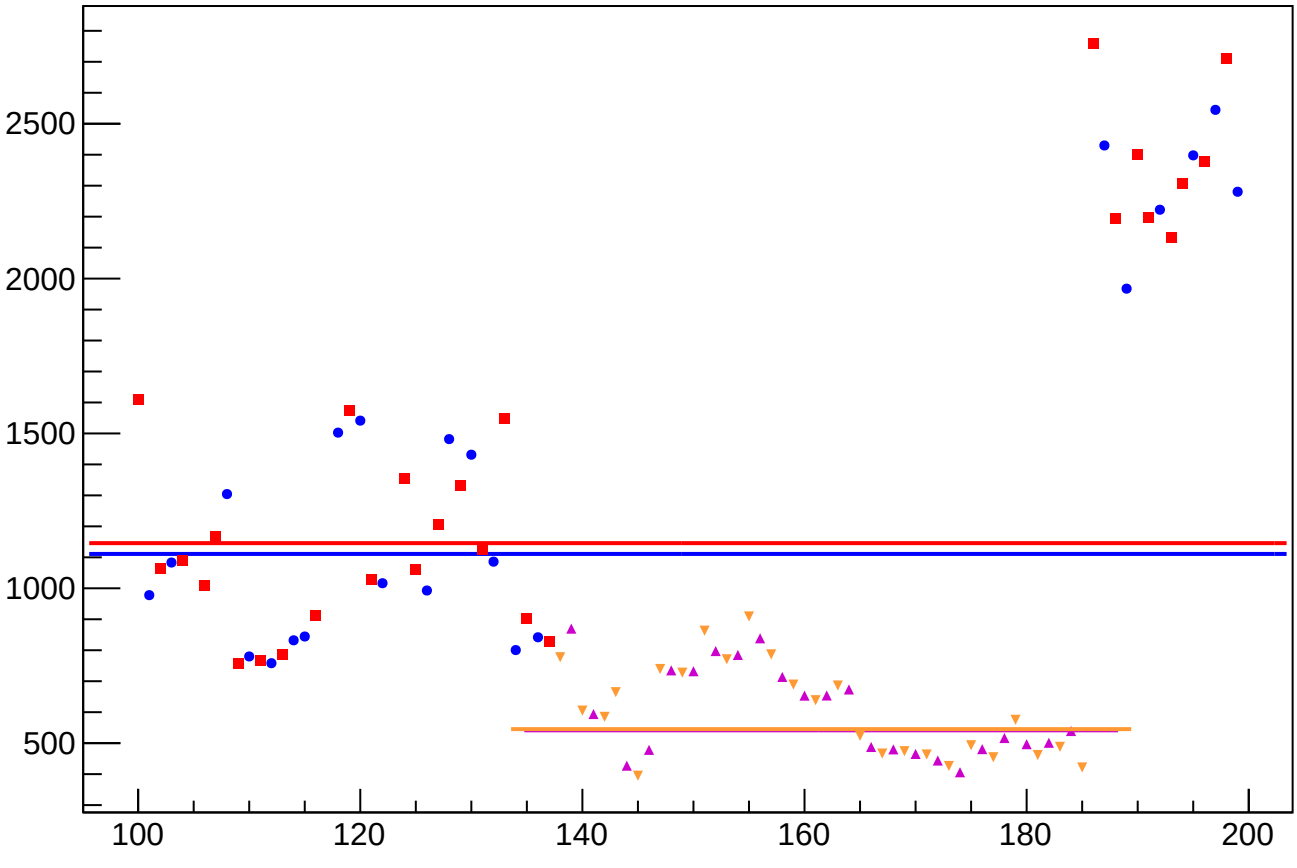
Right: 84.449+/-0.014 χ^2/NDF: 10324134.9/48

In: 67.122+/-0.009 χ^2/NDF:6234277.4/44

Out: 66.969+/-0.009 χ^2/NDF:7449885.0/51

All: 67.043+/-0.006 χ^2/NDF: 13684303.3/96


asym_sam_37_avg_cor_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
100
120
140
160
180
200
Right In: -607.575+/-355.242 χ²/NDF: 28.4/21
Left Out: -532.776+/-127.927 χ²/NDF:69.1/24
Right Out: 931.135+/-350.430 χ²/NDF: 18.8/26
Left In: 77.392+/-130.317 χ²/NDF:28.4/22
Left: -233.340+/-91.291 χ²/NDF: 108.6/47
Right: 172.272+/-249.475 χ²/NDF: 56.7/48
In: -3.852+/-122.345 χ²/NDF:60.0/44
Out: -360.628+/-120.170 χ²/NDF:103.3/51
All: -185.440+/-85.732 χ²/NDF: 167.7/96



Right In: 1110.967+/-0.251 χ^2/NDF: 3286720.9/21

Left Out: 545.304+/-0.090 χ^2/NDF:2083686.2/24

Right Out: 1145.839+/-0.248 χ^2/NDF: 3874008.5/26

Left In: 541.458+/-0.092 χ^2/NDF:1840342.7/22

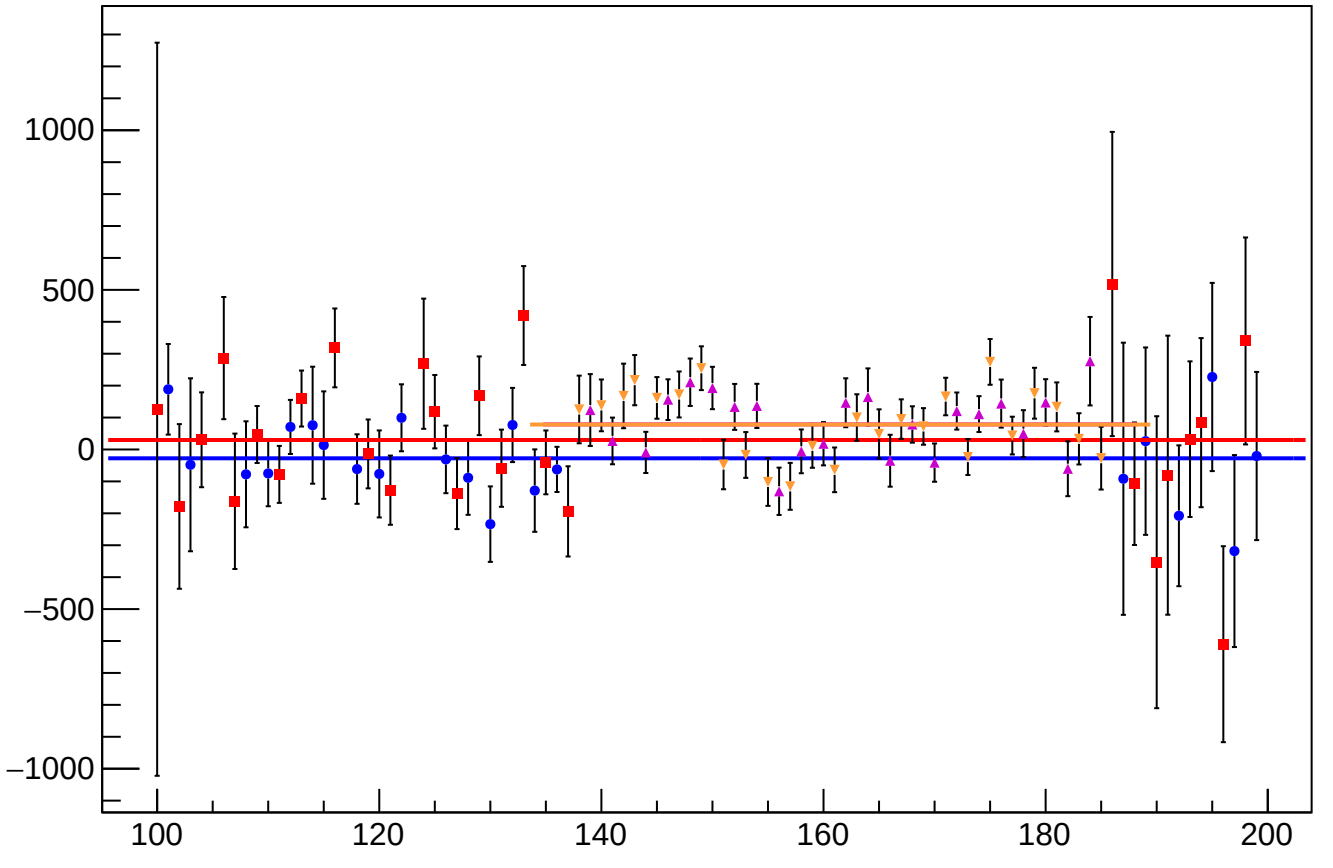
Left: 543.417+/-0.065 χ^2/NDF: 3924916.2/47

Right: 1128.640+/-0.176 χ^2/NDF: 7170497.0/48

In: 609.008+/-0.087 χ^2/NDF:9657603.7/44

Out: 615.924+/-0.085 χ^2/NDF:11140580.3/51

All: 612.528+/-0.061 χ^2/NDF: 20801436.9/96



Right In: -27.654+/-28.051 χ^2/NDF: 13.4/21

Left Out: 78.162+/-14.326 χ^2/NDF:53.9/24

Right Out: 29.717+/-27.445 χ^2/NDF: 37.7/26

Left In: 78.506+/-14.811 χ^2/NDF:36.7/22

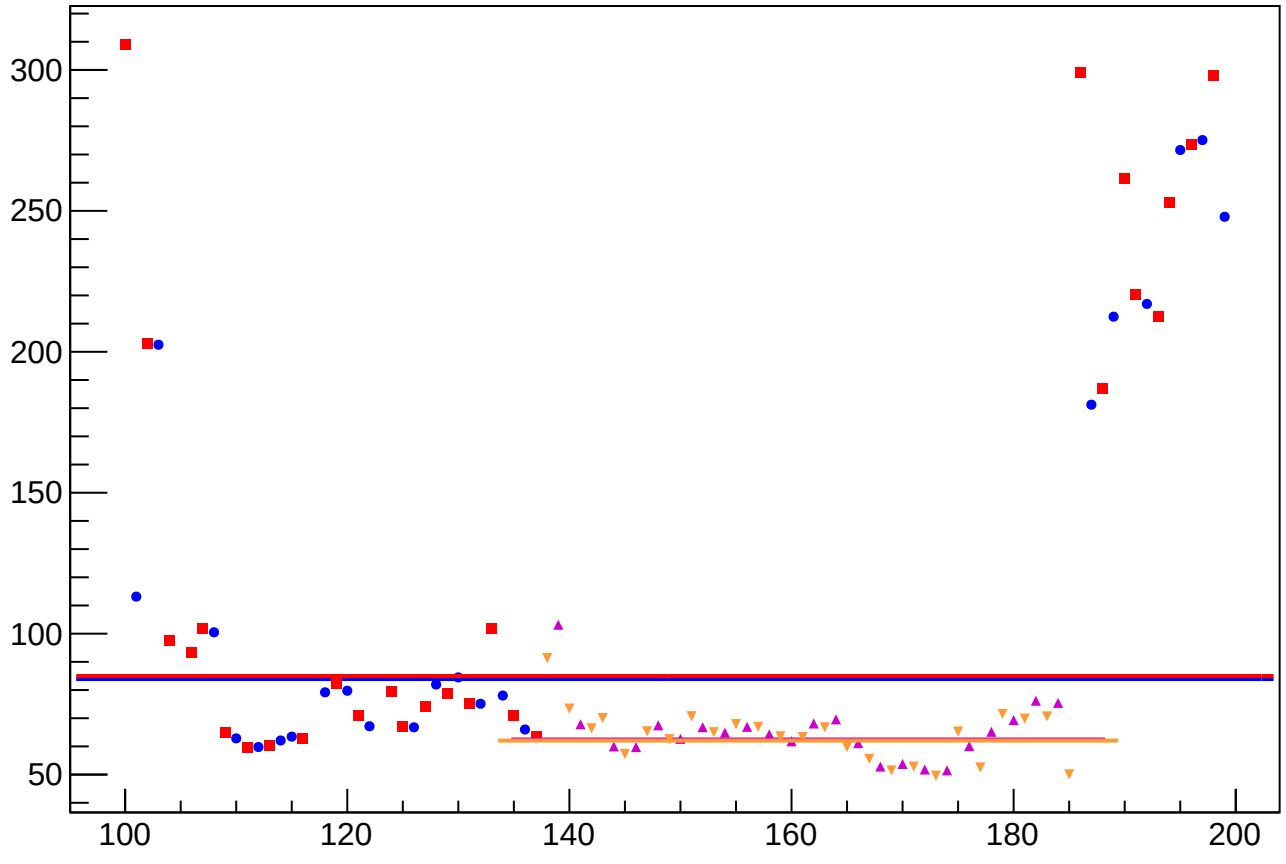
Left: 78.329+/-10.297 χ^2/NDF: 90.5/47

Right: 1.658+/-19.617 χ^2/NDF: 53.3/48

In: 55.361+/-13.098 χ^2/NDF:61.3/44

Out: 67.789+/-12.700 χ^2/NDF:94.0/51

All: 61.767+/-9.117 χ^2/NDF: 155.8/96



Right In: 83.898+/-0.020 χ^2/NDF: 4654915.6/21

Left Out: 62.063+/-0.010 χ^2/NDF:686530.2/24

Right Out: 84.977+/-0.019 χ^2/NDF: 5667707.0/26

Left In: 62.445+/-0.010 χ^2/NDF:664644.9/22

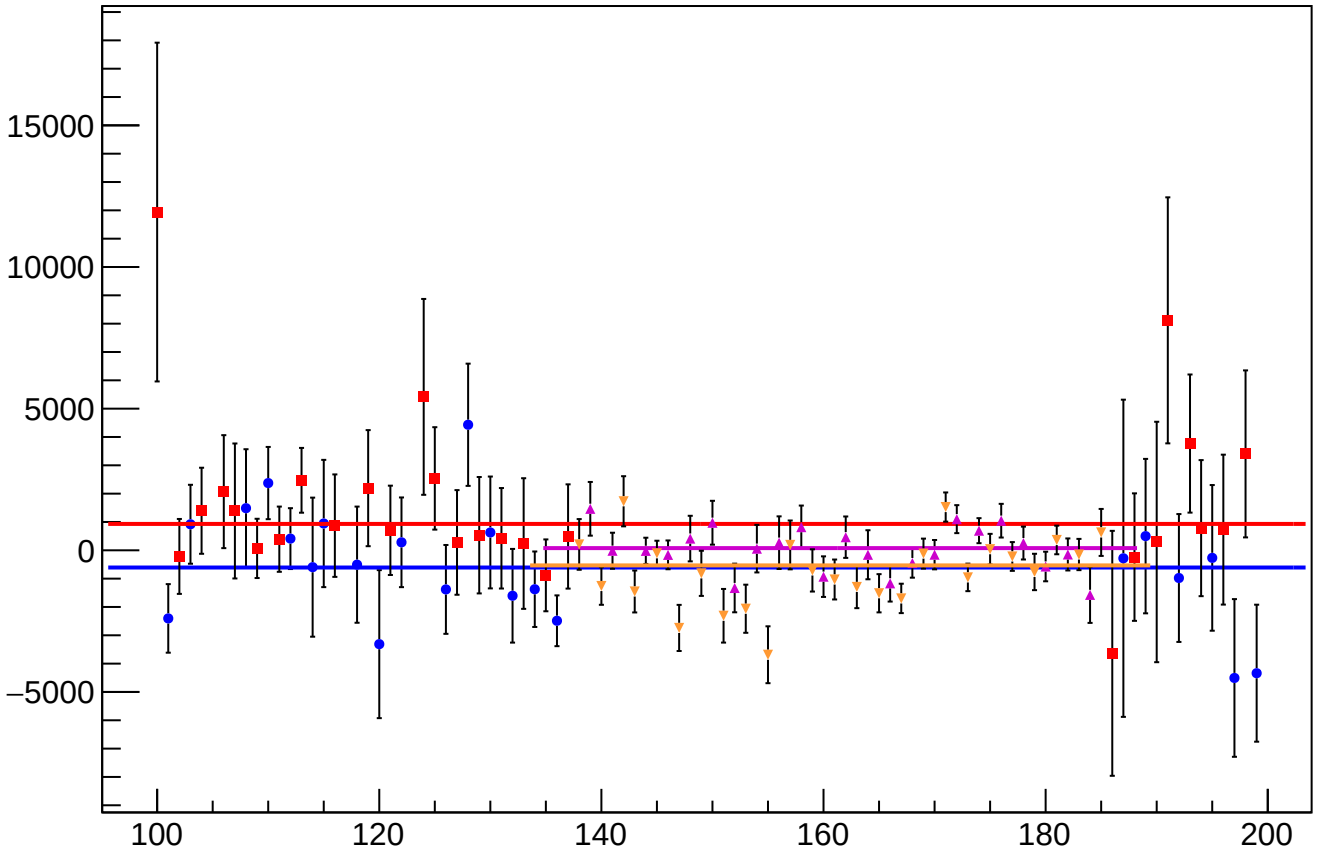
Left: 62.248+/-0.007 χ^2/NDF: 1351864.3/47

Right: 84.449+/-0.014 χ^2/NDF: 10324134.9/48

In: 67.122+/-0.009 χ^2/NDF:6234277.4/44

Out: 66.969+/-0.009 χ^2/NDF:7449885.0/51

All: 67.043+/-0.006 χ^2/NDF: 13684303.3/96



Right In: -607.575+/-355.242 χ^2/NDF: 28.4/21

Left Out: -532.776+/-127.927 χ^2/NDF:69.1/24

Right Out: 931.135+/-350.430 χ^2/NDF: 18.8/26

Left In: 77.392+/-130.317 χ^2/NDF:28.4/22

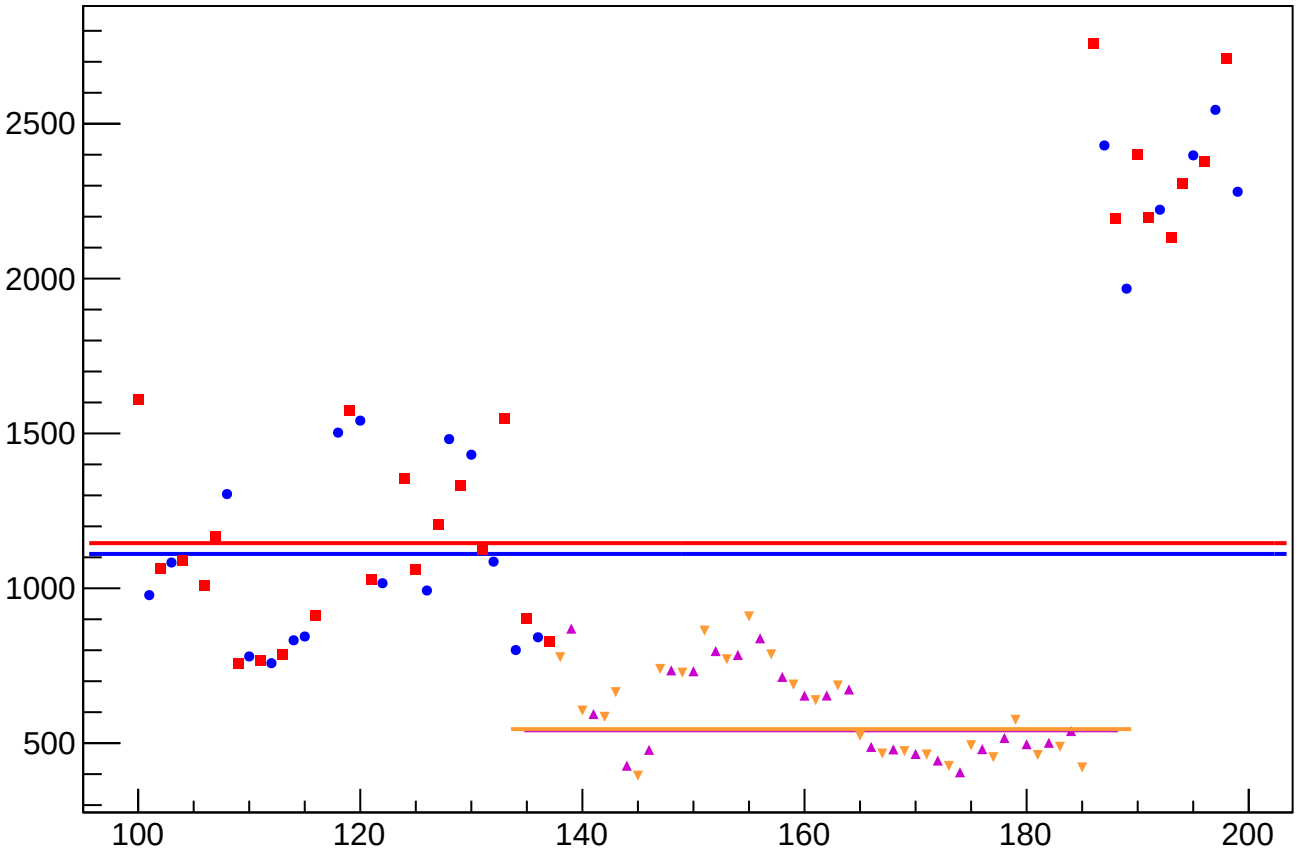
Left: -233.340+/-91.291 χ^2/NDF: 108.6/47

Right: 172.272+/-249.475 χ^2/NDF: 56.7/48

In: -3.852+/-122.345 χ^2/NDF:60.0/44

Out: -360.628+/-120.170 χ^2/NDF:103.3/51

All: -185.440+/-85.732 χ^2/NDF: 167.7/96



Right In: 1110.967+/-0.251 χ^2/NDF: 3286720.9/21

Left Out: 545.304+/-0.090 χ^2/NDF:2083686.2/24

Right Out: 1145.839+/-0.248 χ^2/NDF: 3874008.5/26

Left In: 541.458+/-0.092 χ^2/NDF:1840342.7/22

Left: 543.417+/-0.065 χ^2/NDF: 3924916.2/47

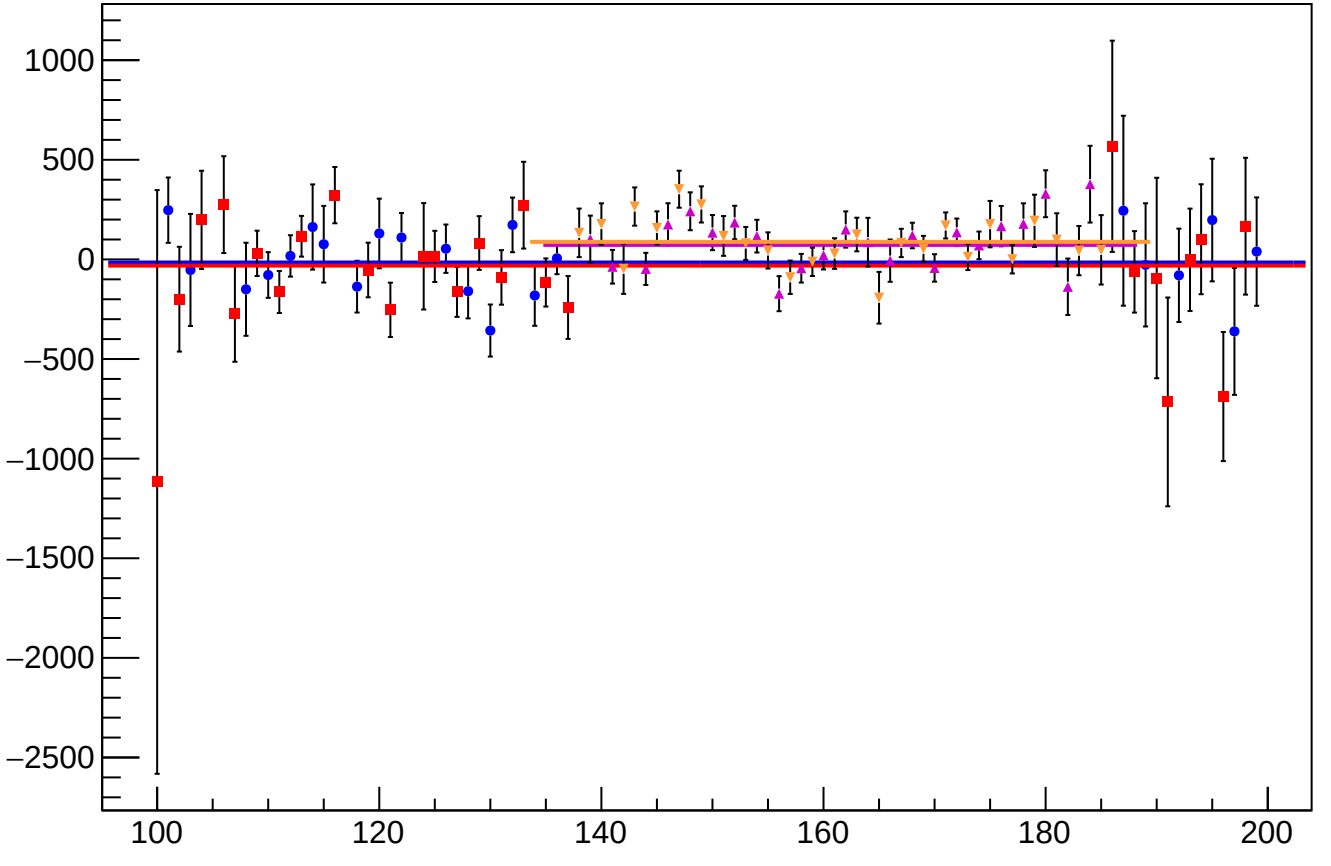
Right: 1128.640+/-0.176 χ^2/NDF: 7170497.0/48

In: 609.008+/-0.087 χ^2/NDF:9657603.7/44

Out: 615.924+/-0.085 χ^2/NDF:11140580.3/51

All: 612.528+/-0.061 χ^2/NDF: 20801436.9/96

dit_asym_sam_37_avg_mean vs Slug, Sign Corrected



Right In: -15.594+/-32.541 χ^2/NDF: 20.3/21

Left Out: 88.040+/-17.745 χ^2/NDF:36.9/24

Right Out: -31.027+/-32.570 χ^2/NDF: 31.3/26

Left In: 72.849+/-18.276 χ^2/NDF:38.4/22

Left: 80.668+/-12.731 χ^2/NDF: 75.7/47

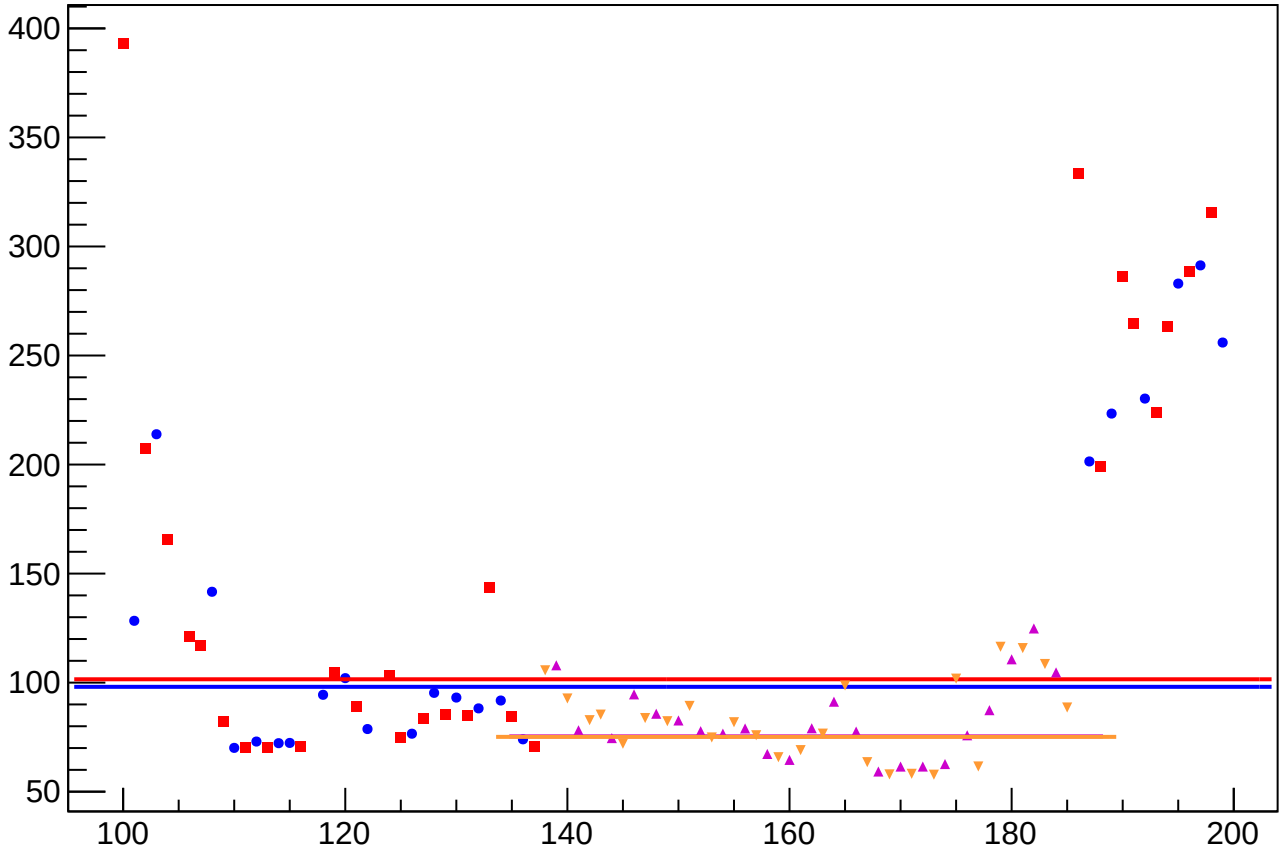
Right: -23.304+/-23.020 χ^2/NDF: 51.8/48

In: 51.642+/-15.935 χ^2/NDF:64.4/44

Out: 60.787+/-15.582 χ^2/NDF:78.5/51

All: 56.316+/-11.141 χ^2/NDF: 143.1/96

dit_asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 98.073+/-0.023 χ^2/NDF: 4282382.0/21

Left Out: 75.128+/-0.013 χ^2/NDF:1601461.8/24

Right Out: 101.538+/-0.023 χ^2/NDF: 5345382.0/26

Left In: 75.363+/-0.013 χ^2/NDF:1225318.4/22

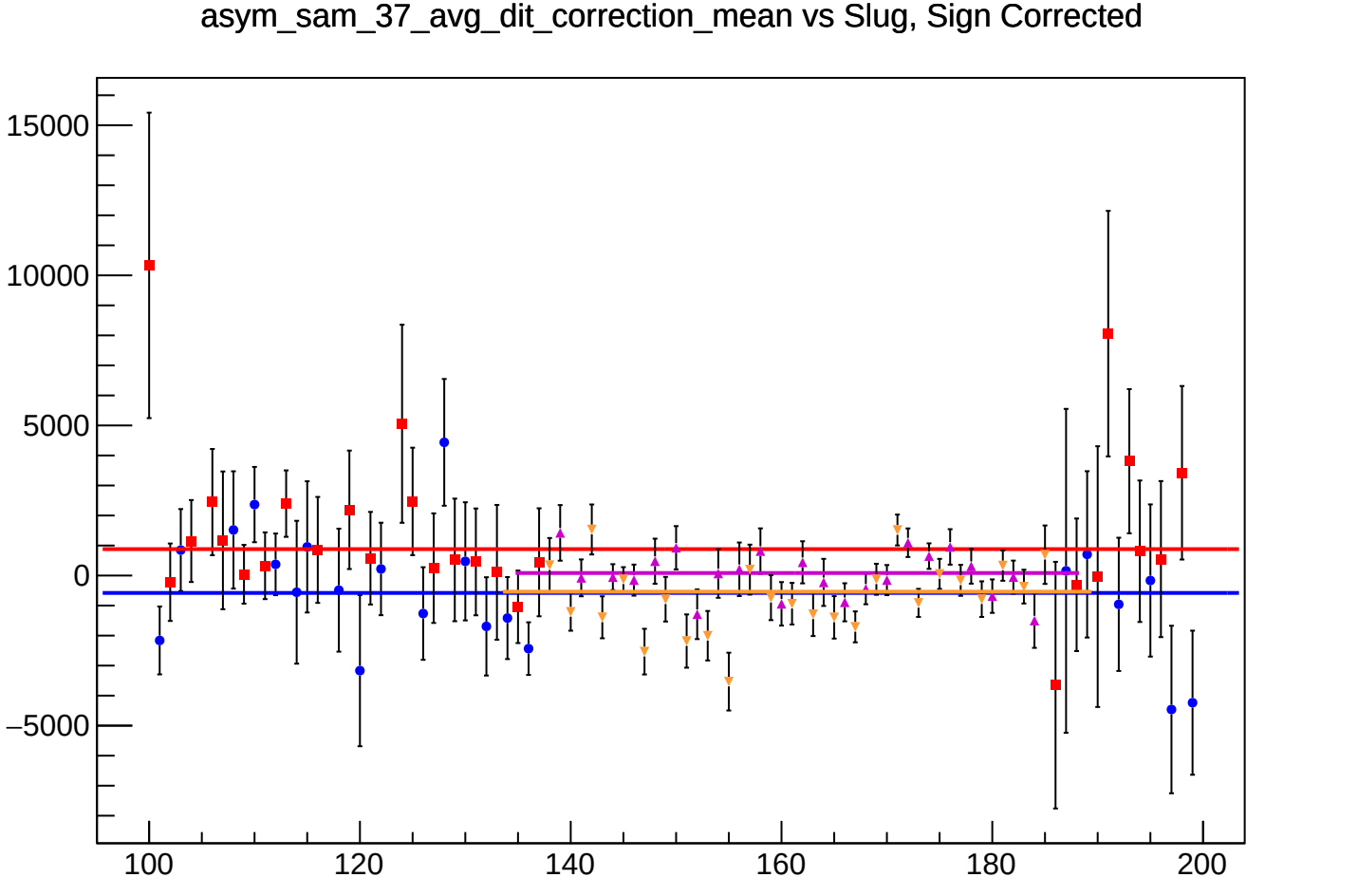
Left: 75.242+/-0.009 χ^2/NDF: 2826950.4/47

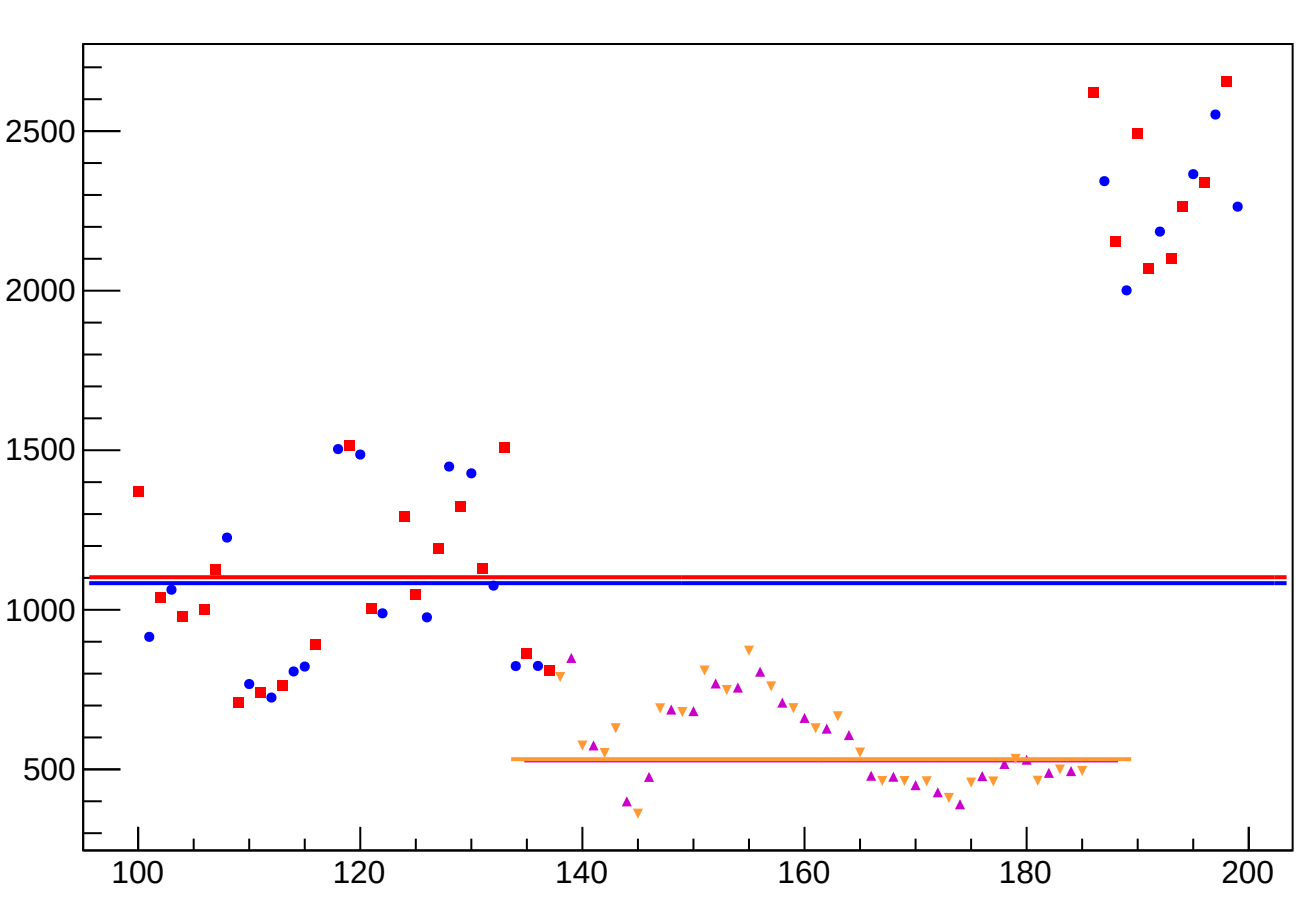
Right: 99.804+/-0.016 χ^2/NDF: 9639094.0/48

In: 80.808+/-0.011 χ^2/NDF:6248210.9/44

Out: 81.173+/-0.011 χ^2/NDF:7960907.8/51

All: 80.995+/-0.008 χ^2/NDF: 14209653.5/96


asym_sam_37_avg_dit_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
100
120
140
160
180
200
Right In: -578.874+/-346.965 χ²/NDF: 28.4/21
Left Out: -536.789+/-124.471 χ²/NDF:67.0/24
Right Out: 880.485+/-336.969 χ²/NDF: 20.6/26
Left In: 84.668+/-127.039 χ²/NDF:27.5/22
Left: -232.405+/-88.909 χ²/NDF: 106.7/47
Right: 172.130+/-241.730 χ²/NDF: 58.1/48
In: 6.229+/-119.294 χ²/NDF:59.1/44
Out: -366.627+/-116.760 χ²/NDF:103.2/51
All: -184.201+/-83.444 χ²/NDF: 167.3/96



Right In: 1083.479+/-0.245 χ^2/NDF: 3372985.1/21

Left Out: 531.872+/-0.088 χ^2/NDF:2037750.0/24

Right Out: 1102.141+/-0.238 χ^2/NDF: 4020678.3/26

Left In: 527.986+/-0.090 χ^2/NDF:1800455.5/22

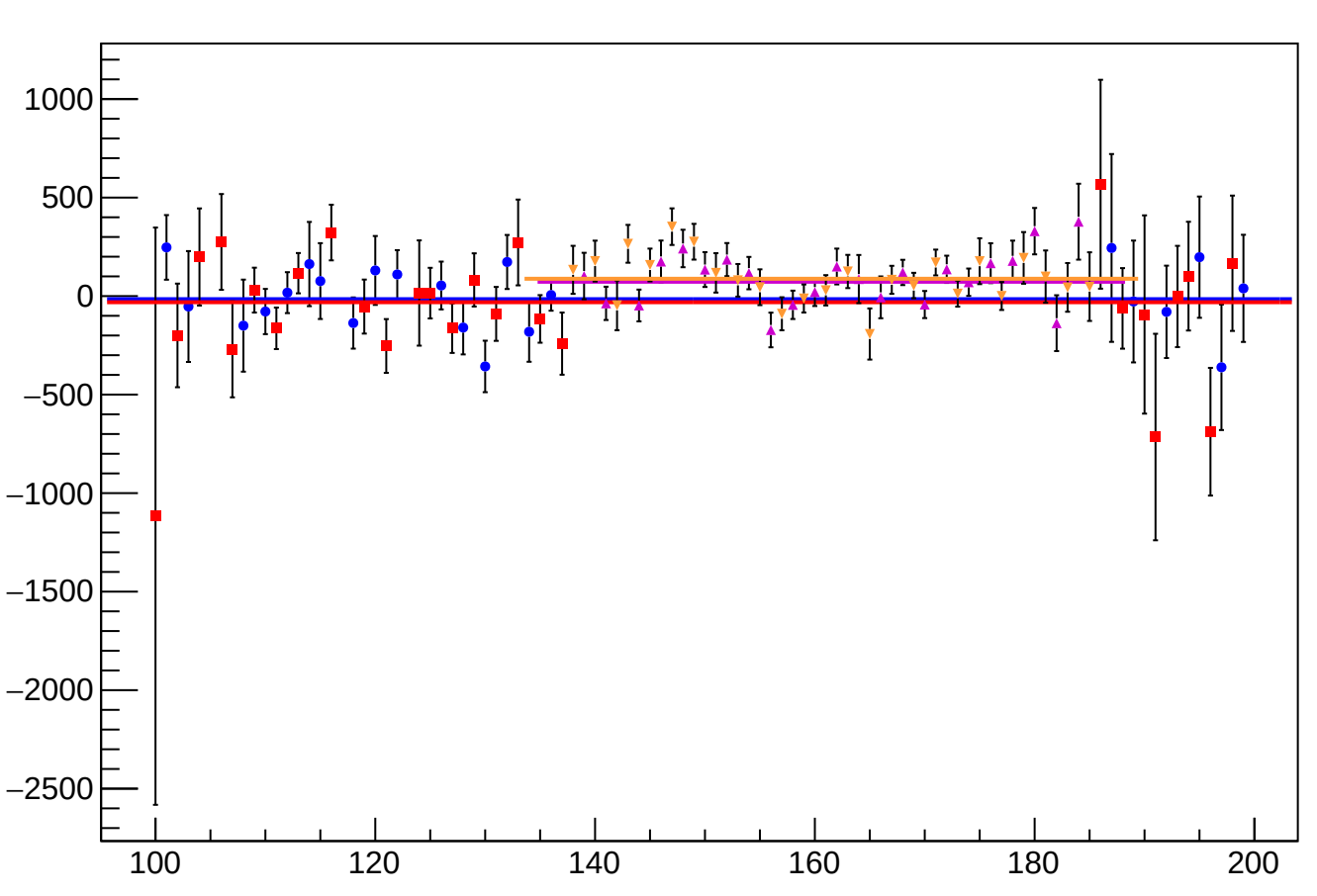
Left: 529.969+/-0.063 χ^2/NDF: 3839160.5/47

Right: 1093.083+/-0.171 χ^2/NDF: 7396641.0/48

In: 593.653+/-0.084 χ^2/NDF:9693863.7/44

Out: 600.341+/-0.083 χ^2/NDF:11098772.8/51

All: 597.068+/-0.059 χ^2/NDF: 20795847.0/96



Right In: -15.594+/-32.541 χ^2/NDF: 20.3/21

Left Out: 88.040+/-17.745 χ^2/NDF:36.9/24

Right Out: -31.030+/-32.570 χ^2/NDF: 31.3/26

Left In: 72.848+/-18.276 χ^2/NDF:38.4/22

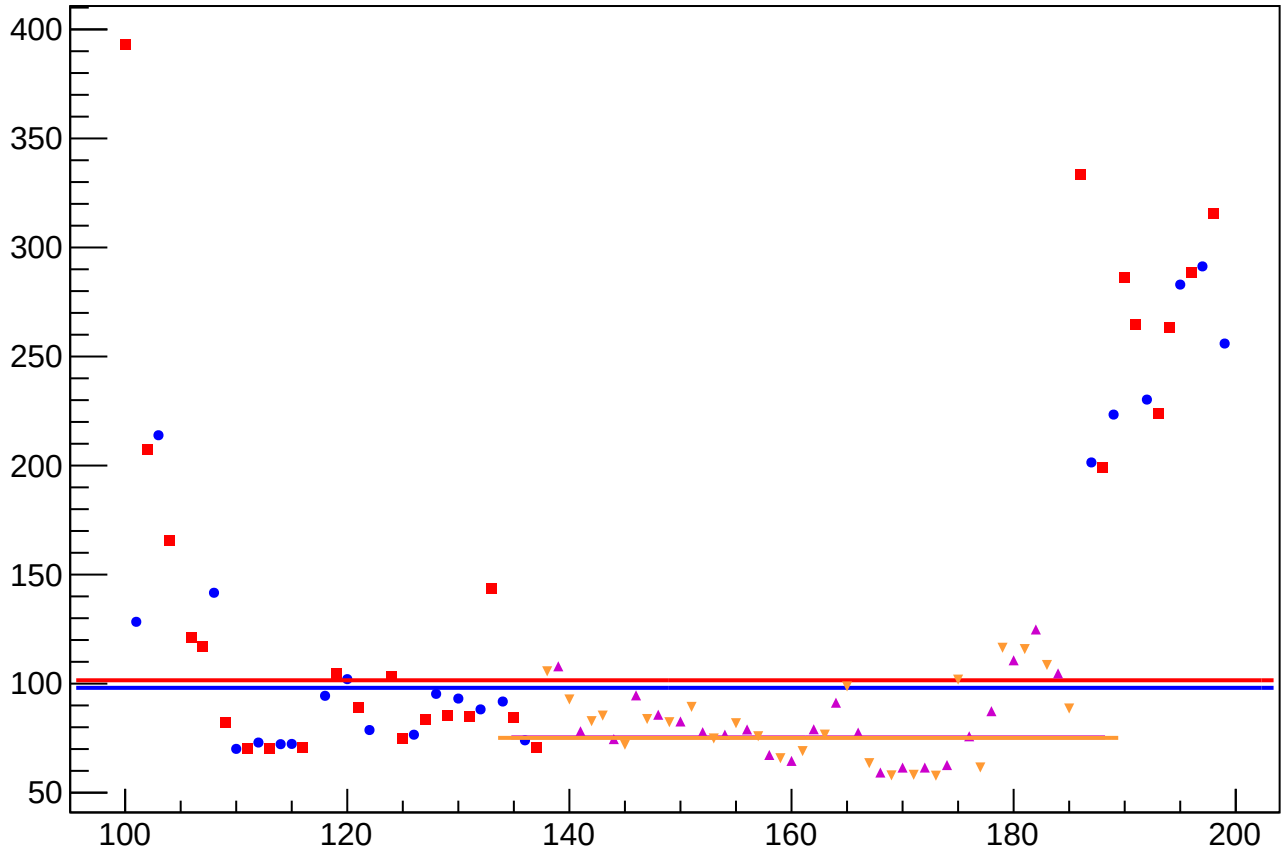
Left: 80.668+/-12.731 χ^2/NDF: 75.7/47

Right: -23.306+/-23.020 χ^2/NDF: 51.8/48

In: 51.641+/-15.935 χ^2/NDF:64.4/44

Out: 60.787+/-15.582 χ^2/NDF:78.5/51

All: 56.316+/-11.141 χ^2/NDF: 143.1/96



Right In: 98.073+/-0.023 χ^2/NDF: 4282359.5/21

Left Out: 75.128+/-0.013 χ^2/NDF:1601462.6/24

Right Out: 101.539+/-0.023 χ^2/NDF: 5345361.1/26

Left In: 75.363+/-0.013 χ^2/NDF:1225319.2/22

Left: 75.242+/-0.009 χ^2/NDF: 2826952.0/47

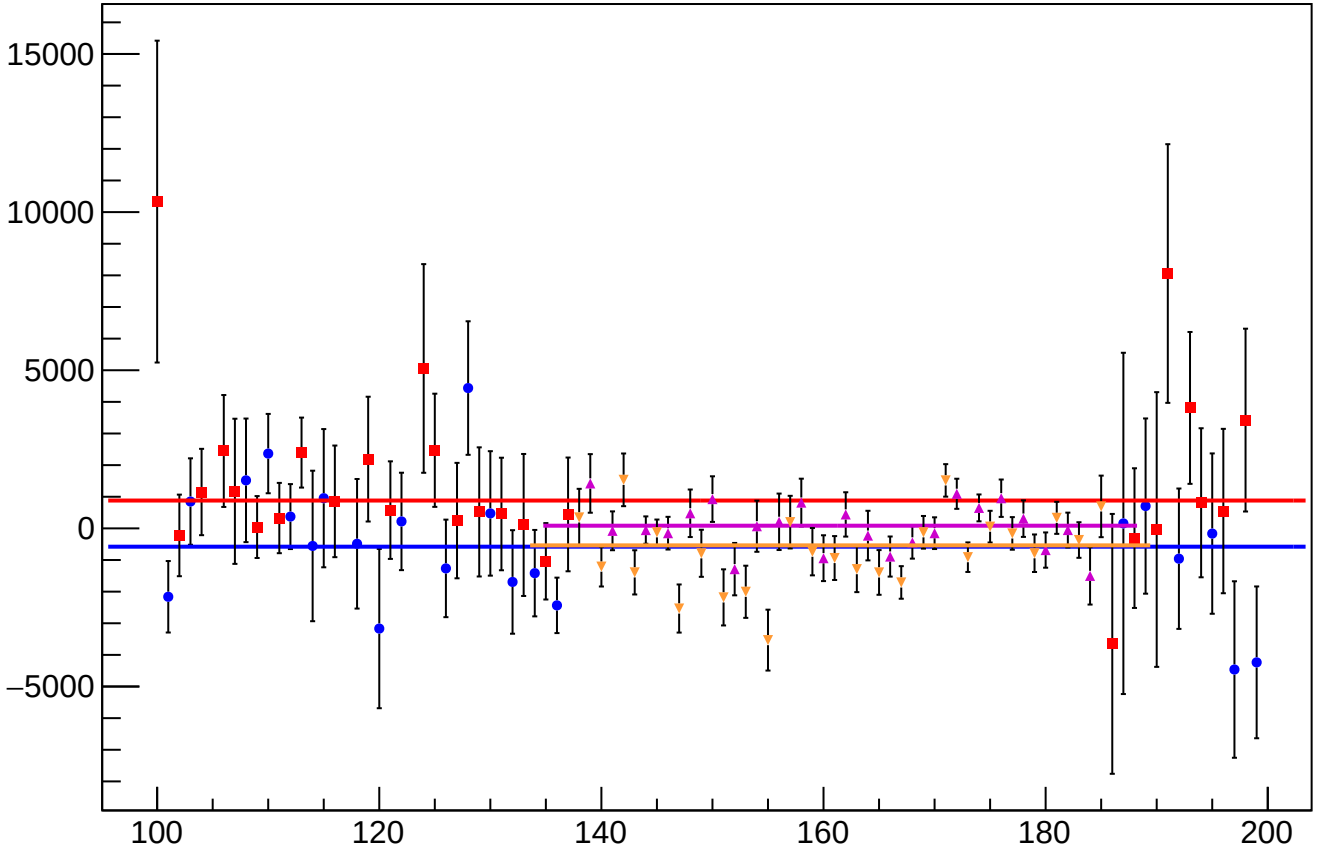
Right: 99.805+/-0.016 χ^2/NDF: 9639051.3/48

In: 80.809+/-0.011 χ^2/NDF:6248197.6/44

Out: 81.173+/-0.011 χ^2/NDF:7960901.2/51

All: 80.995+/-0.008 χ^2/NDF: 14209633.8/96

asym_sam_37_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -578.872+/-346.965 χ^2/NDF: 28.4/21

Left Out: -536.790+/-124.471 χ^2/NDF:67.0/24

Right Out: 880.485+/-336.969 χ^2/NDF: 20.6/26

Left In: 84.668+/-127.039 χ^2/NDF:27.5/22

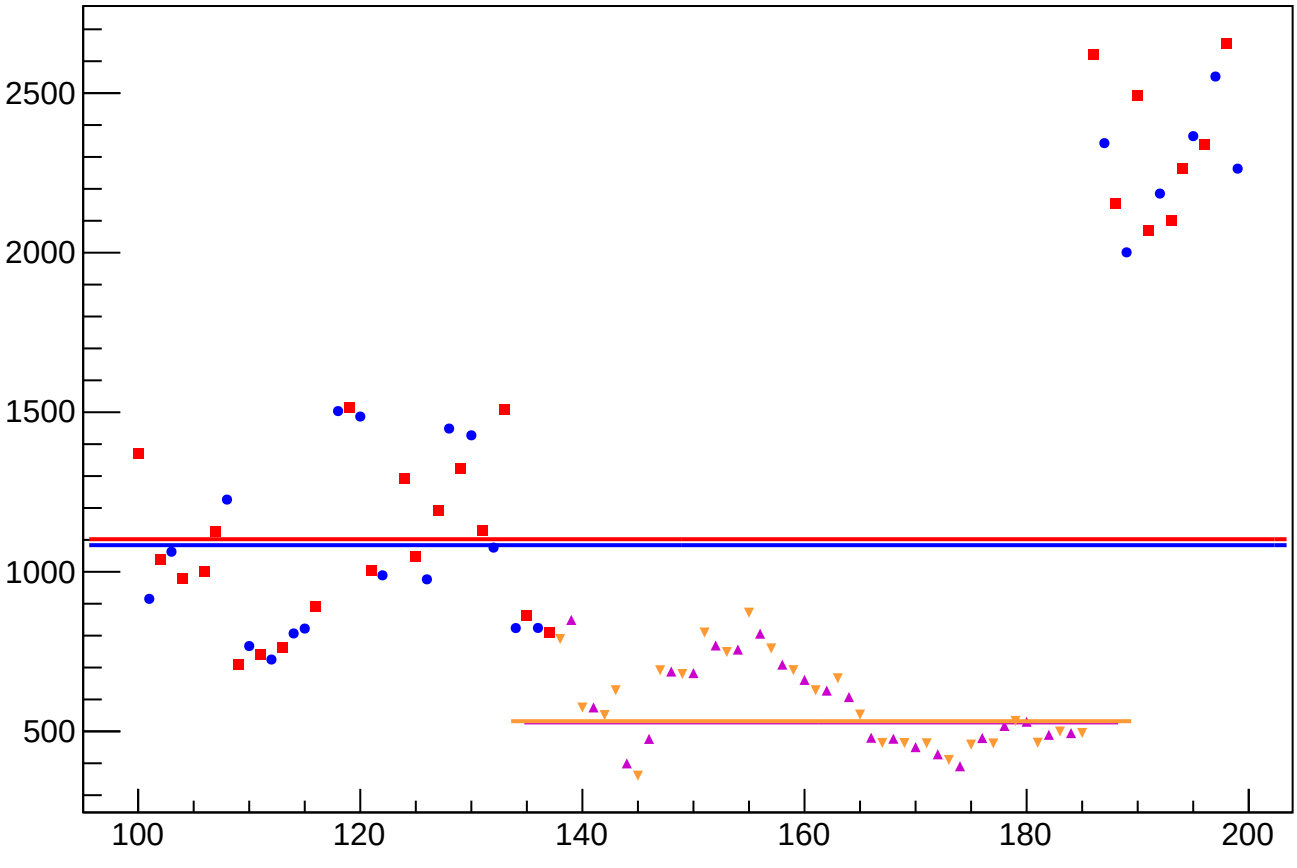
Left: -232.405+/-88.909 χ^2/NDF: 106.7/47

Right: 172.131+/-241.730 χ^2/NDF: 58.1/48

In: 6.228+/-119.294 χ^2/NDF:59.1/44

Out: -366.627+/-116.760 χ^2/NDF:103.2/51

All: -184.201+/-83.443 χ^2/NDF: 167.3/96



Right In: 1083.477+/-0.245 χ^2/NDF: 3372990.8/21

Left Out: 531.872+/-0.088 χ^2/NDF:2037744.9/24

Right Out: 1102.139+/-0.238 χ^2/NDF: 4020683.4/26

Left In: 527.986+/-0.090 χ^2/NDF:1800449.7/22

Left: 529.968+/-0.063 χ^2/NDF: 3839149.6/47

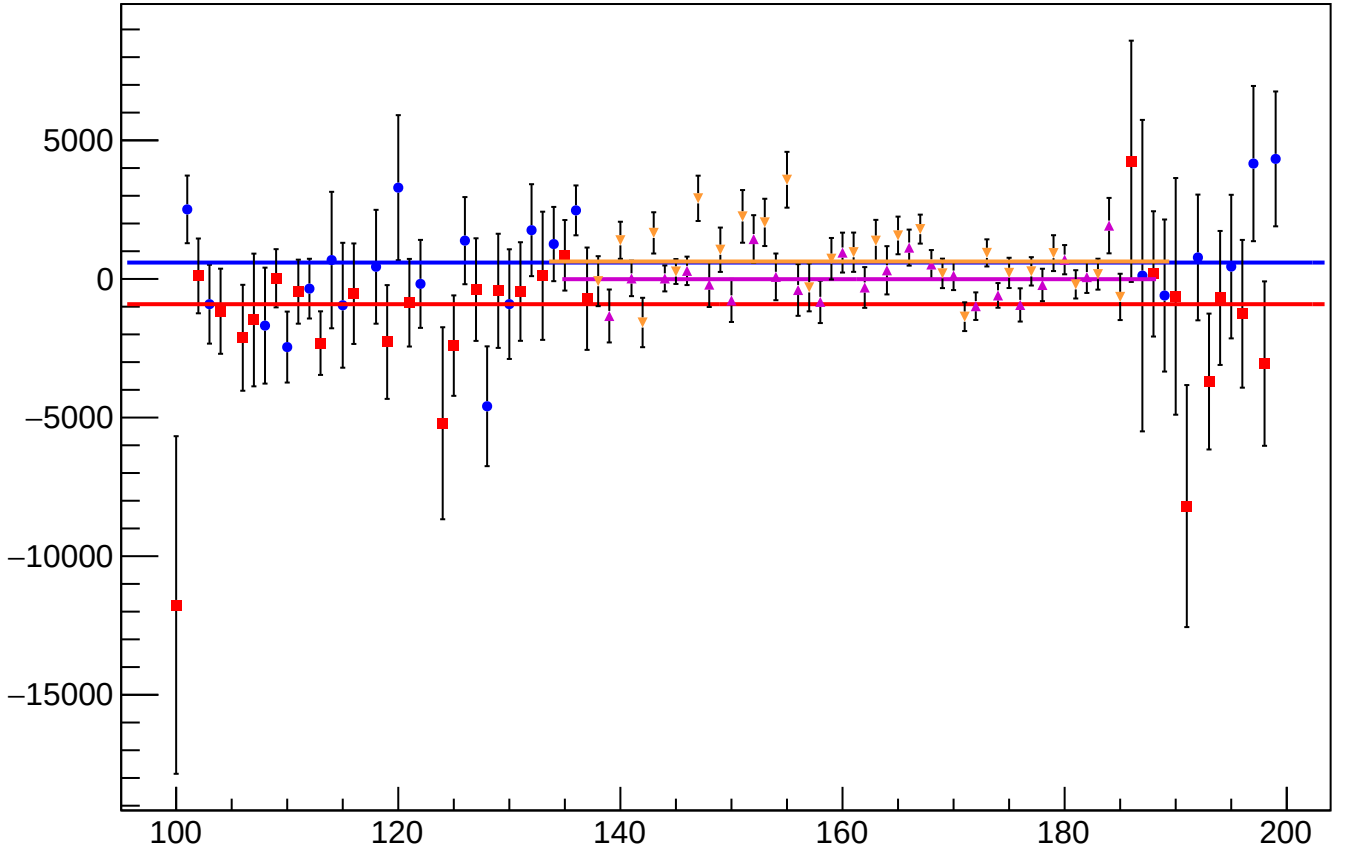
Right: 1093.081+/-0.171 χ^2/NDF: 7396651.8/48

In: 593.652+/-0.084 χ^2/NDF:9693848.1/44

Out: 600.340+/-0.083 χ^2/NDF:11098757.2/51

All: 597.068+/-0.059 χ^2/NDF: 20795815.7/96

asym_sam_37_avg_mean vs Slug, Sign Corrected



Right In: 591.029+/-357.020 χ^2/NDF: 28.9/21

Left Out: 629.379+/-128.853 χ^2/NDF:64.9/24

Right Out: -910.418+/-351.620 χ^2/NDF: 18.0/26

Left In: -8.460+/-131.289 χ^2/NDF:27.3/22

Left: 316.431+/-91.962 χ^2/NDF: 104.2/47

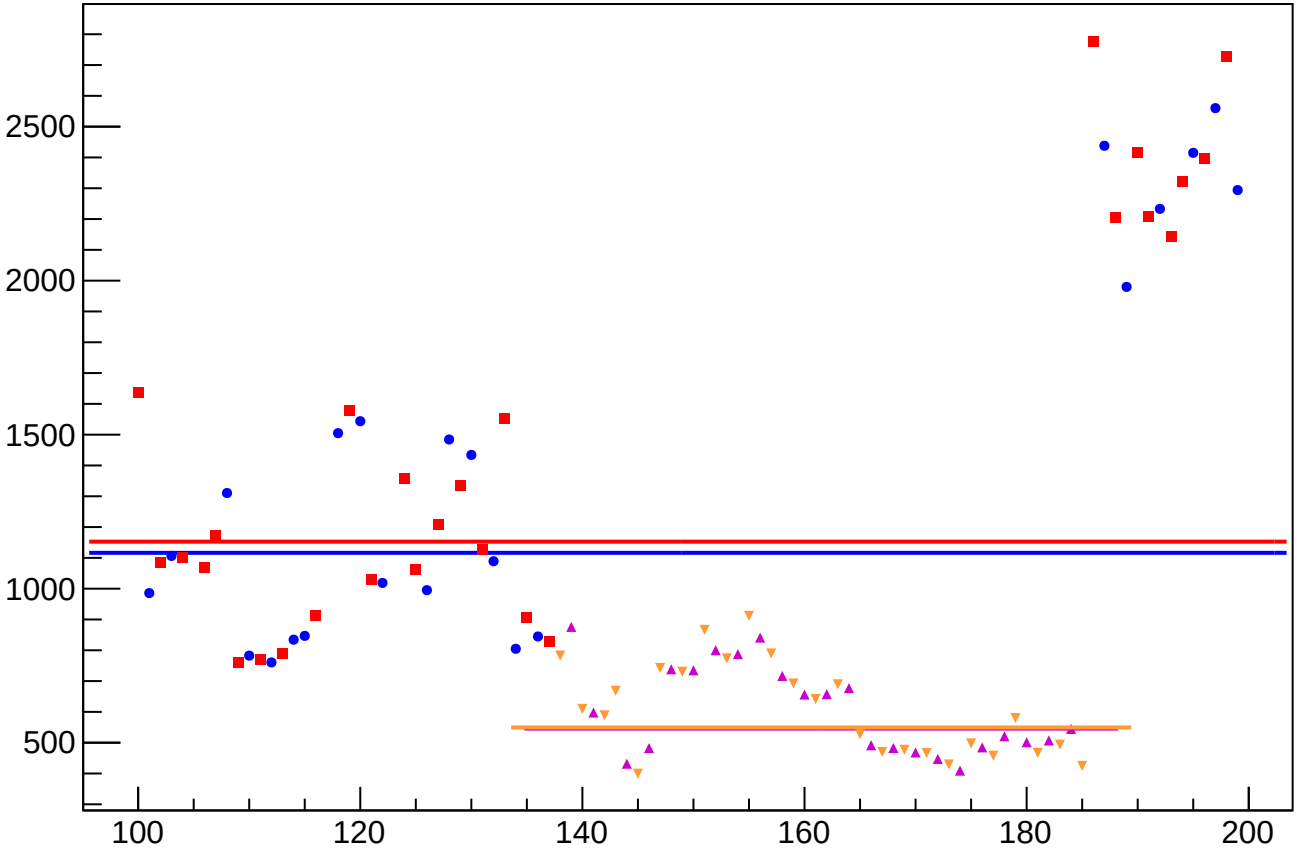
Right: -171.134+/-250.520 χ^2/NDF: 55.8/48

In: 62.952+/-123.222 χ^2/NDF:58.7/44

Out: 447.080+/-120.985 χ^2/NDF:99.8/51

All: 258.533+/-86.329 χ^2/NDF: 163.4/96

asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 1116.383+/-0.252 χ^2/NDF: 3291979.2/21

Left Out: 549.475+/-0.091 χ^2/NDF:2053905.8/24

Right Out: 1152.721+/-0.249 χ^2/NDF: 3877563.6/26

Left In: 545.708+/-0.093 χ^2/NDF:1814508.3/22

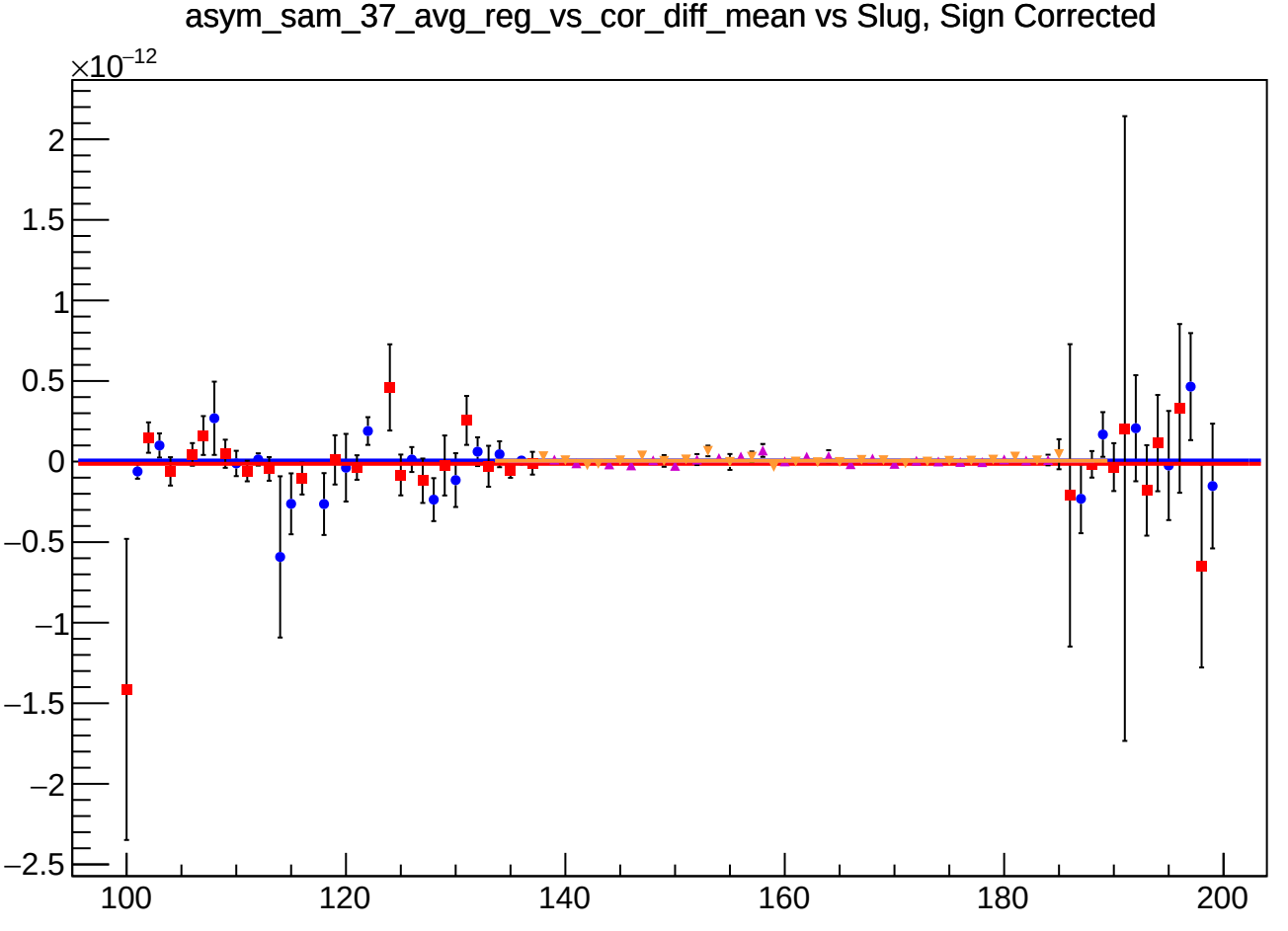
Left: 547.627+/-0.065 χ^2/NDF: 3869252.6/47

Right: 1134.829+/-0.177 χ^2/NDF: 7180060.4/48

In: 613.688+/-0.087 χ^2/NDF:9607794.6/44

Out: 620.894+/-0.086 χ^2/NDF:11121237.7/51

All: 617.357+/-0.061 χ^2/NDF: 20732515.0/96



Right In: 0.000+/-0.000 χ^2/NDF: 24.7/21

Left Out: 0.000+/-0.000 χ^2/NDF:15.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 20.5/26

Left In: 0.000+/-0.000 χ^2/NDF:20.0/22

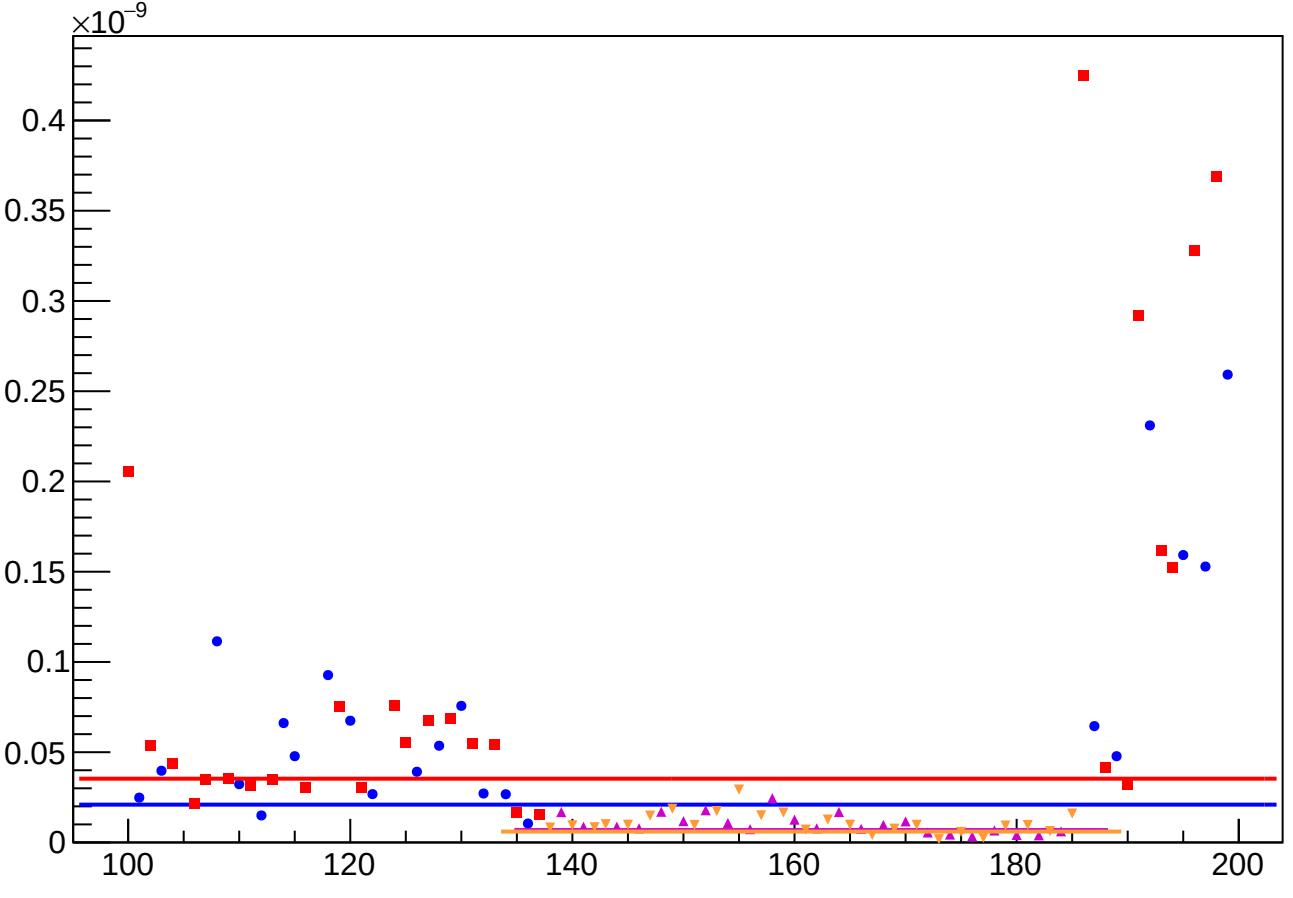
Left: 0.000+/-0.000 χ^2/NDF: 35.9/47

Right: -0.000+/-0.000 χ^2/NDF: 45.9/48

In: 0.000+/-0.000 χ^2/NDF:44.8/44

Out: 0.000+/-0.000 χ^2/NDF:37.0/51

All: 0.000+/-0.000 χ^2/NDF: 81.9/96



Right In: 0.000+/-0.000 χ^2/NDF: 4385651.1/21

Left Out: 0.000+/-0.000 χ^2/NDF:3623754.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3502443.0/26

Left In: 0.000+/-0.000 χ^2/NDF:2417942.7/22

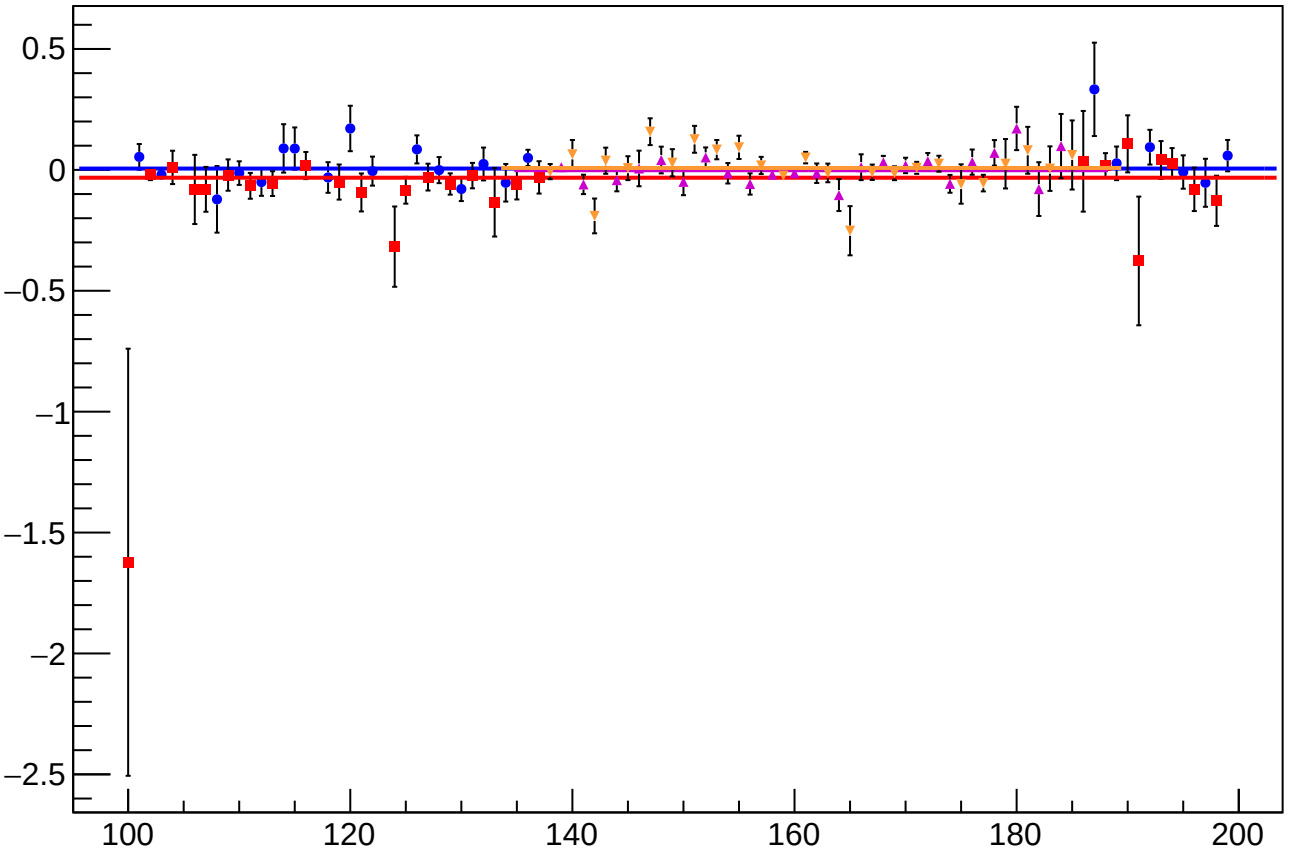
Left: 0.000+/-0.000 χ^2/NDF: 6106655.5/47

Right: 0.000+/-0.000 χ^2/NDF: 8582015.9/48

In: 0.000+/-0.000 χ^2/NDF:8646969.6/44

Out: 0.000+/-0.000 χ^2/NDF:11397556.6/51

All: 0.000+/-0.000 χ^2/NDF: 20122095.2/96



Right In: 0.005+/-0.011 χ^2/NDF: 22.2/21

Left Out: 0.008+/-0.008 χ^2/NDF:47.6/24

Right Out: -0.032+/-0.012 χ^2/NDF: 18.5/26

Left In: -0.001+/-0.007 χ^2/NDF:25.1/22

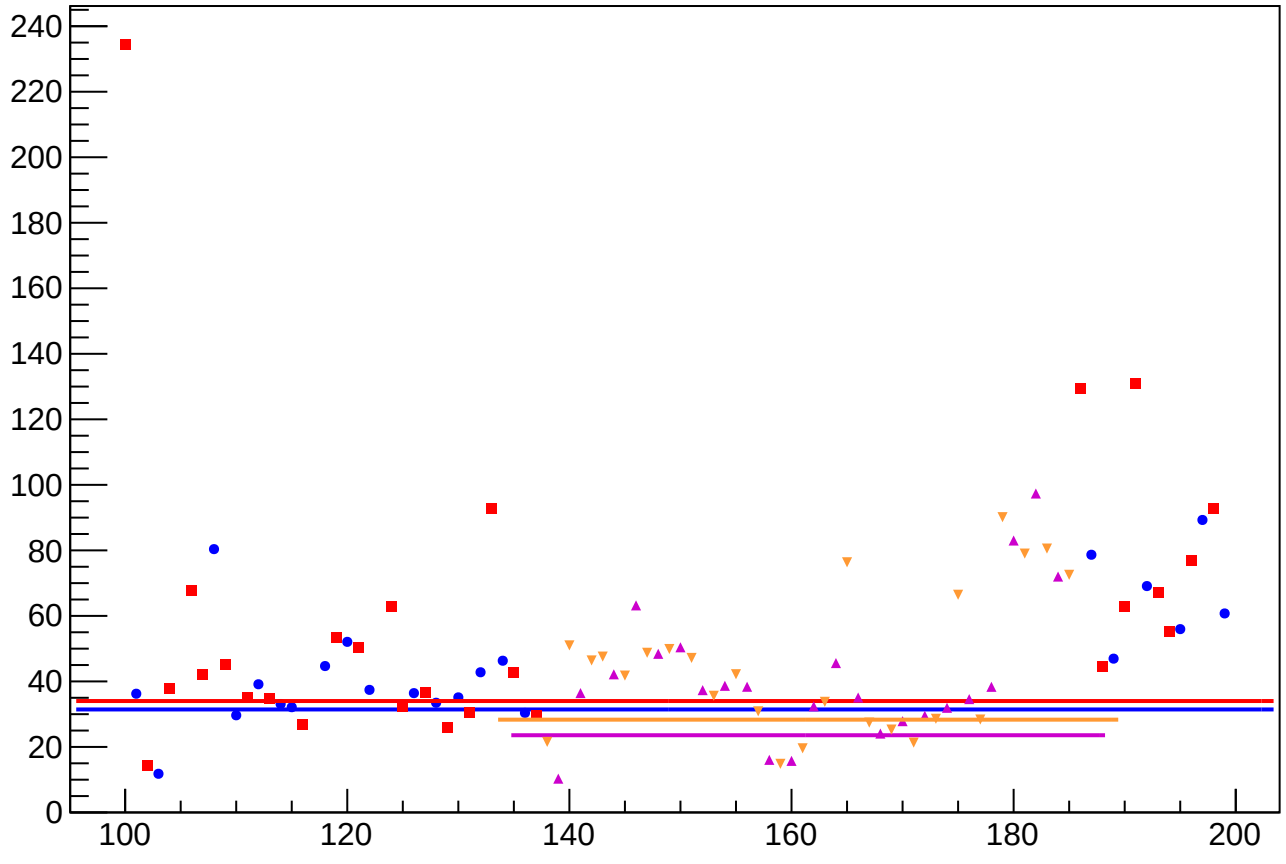
Left: 0.003+/-0.005 χ^2/NDF: 73.6/47

Right: -0.013+/-0.008 χ^2/NDF: 46.2/48

In: 0.000+/-0.006 χ^2/NDF:47.6/44

Out: -0.004+/-0.006 χ^2/NDF:74.5/51

All: -0.002+/-0.004 χ^2/NDF: 122.5/96



Right In: 31.439+/-0.008 χ^2/NDF: 4781720.2/21

Left Out: 28.325+/-0.005 χ^2/NDF:6788307.1/24

Right Out: 34.012+/-0.008 χ^2/NDF: 5353620.6/26

Left In: 23.572+/-0.005 χ^2/NDF:8263833.7/22

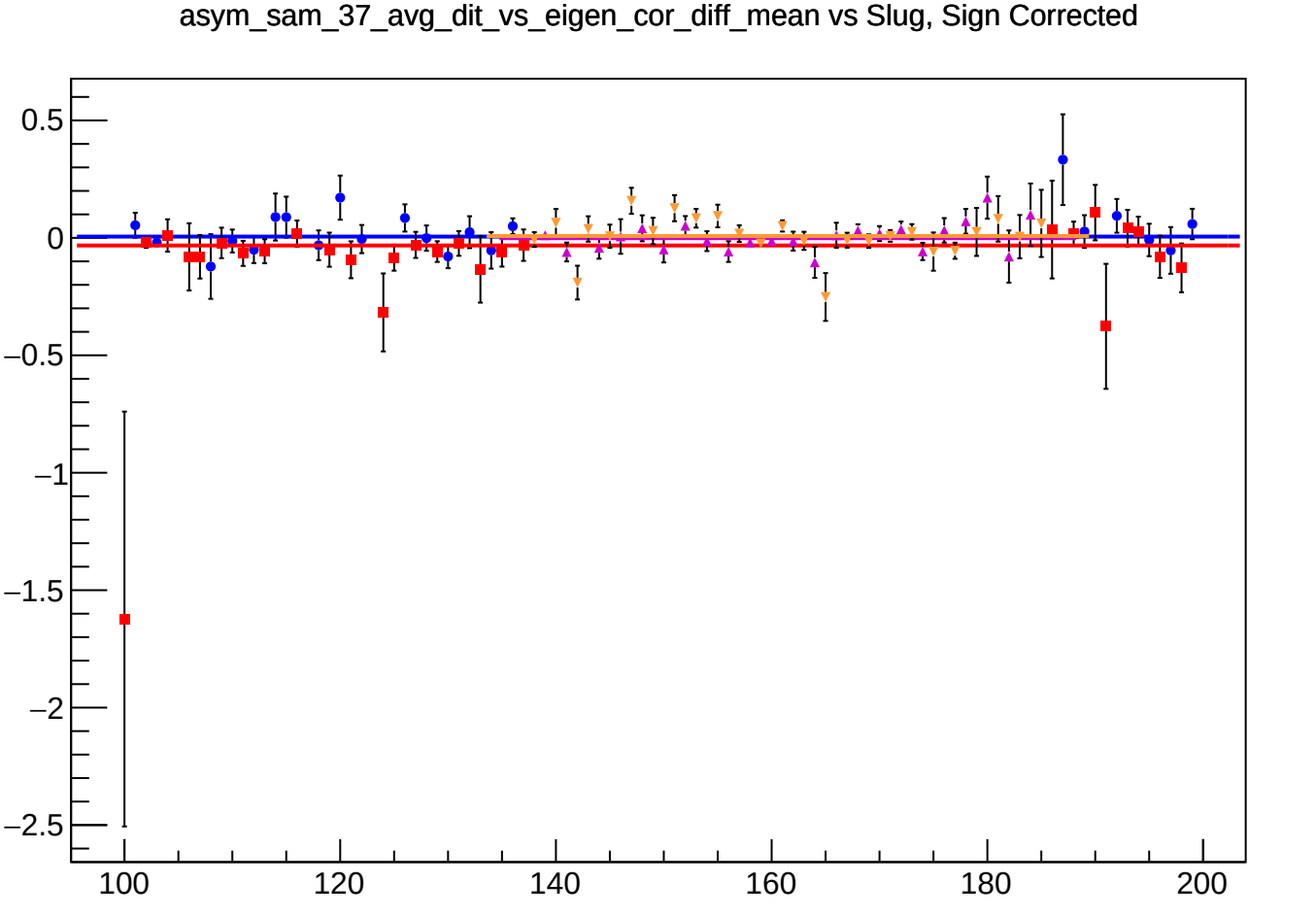
Left: 25.694+/-0.004 χ^2/NDF: 15487591.2/47

Right: 32.686+/-0.006 χ^2/NDF: 10185887.9/48

In: 25.677+/-0.004 χ^2/NDF:13760438.0/44

Out: 30.022+/-0.004 χ^2/NDF:12478167.6/51

All: 27.664+/-0.003 χ^2/NDF: 26747385.2/96



Right In: 0.005+/-0.011 χ^2/NDF: 22.2/21

Left Out: 0.008+/-0.008 χ^2/NDF:47.6/24

Right Out: -0.032+/-0.012 χ^2/NDF: 18.5/26

Left In: -0.001+/-0.007 χ^2/NDF:25.1/22

Left: 0.003+/-0.005 χ^2/NDF: 73.6/47

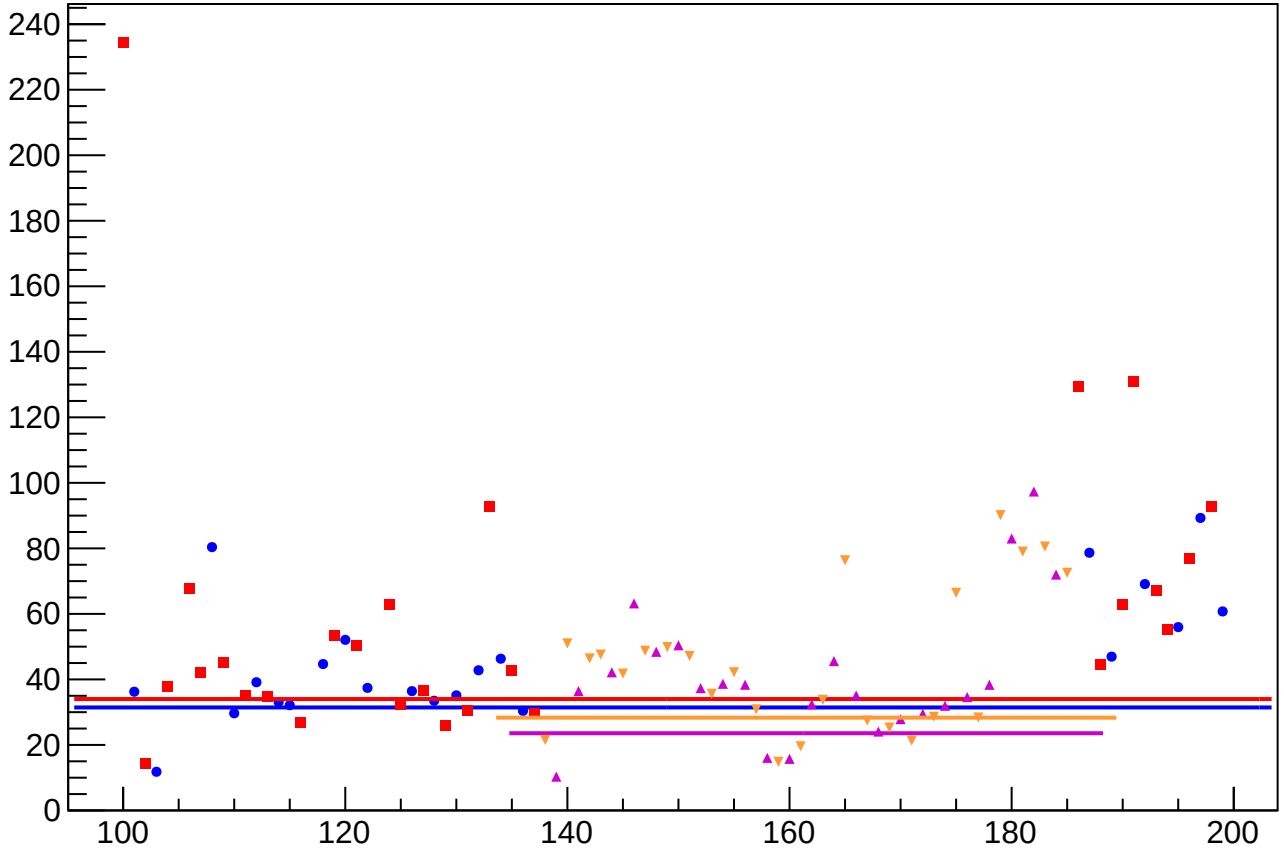
Right: -0.013+/-0.008 χ^2/NDF: 46.2/48

In: 0.000+/-0.006 χ^2/NDF:47.6/44

Out: -0.004+/-0.006 χ^2/NDF:74.5/51

All: -0.002+/-0.004 χ^2/NDF: 122.5/96

asym_sam_37_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 31.439+/-0.008 χ^2/NDF: 4781720.2/21

Left Out: 28.325+/-0.005 χ^2/NDF:6788307.1/24

Right Out: 34.012+/-0.008 χ^2/NDF: 5353620.6/26

Left In: 23.572+/-0.005 χ^2/NDF:8263833.7/22

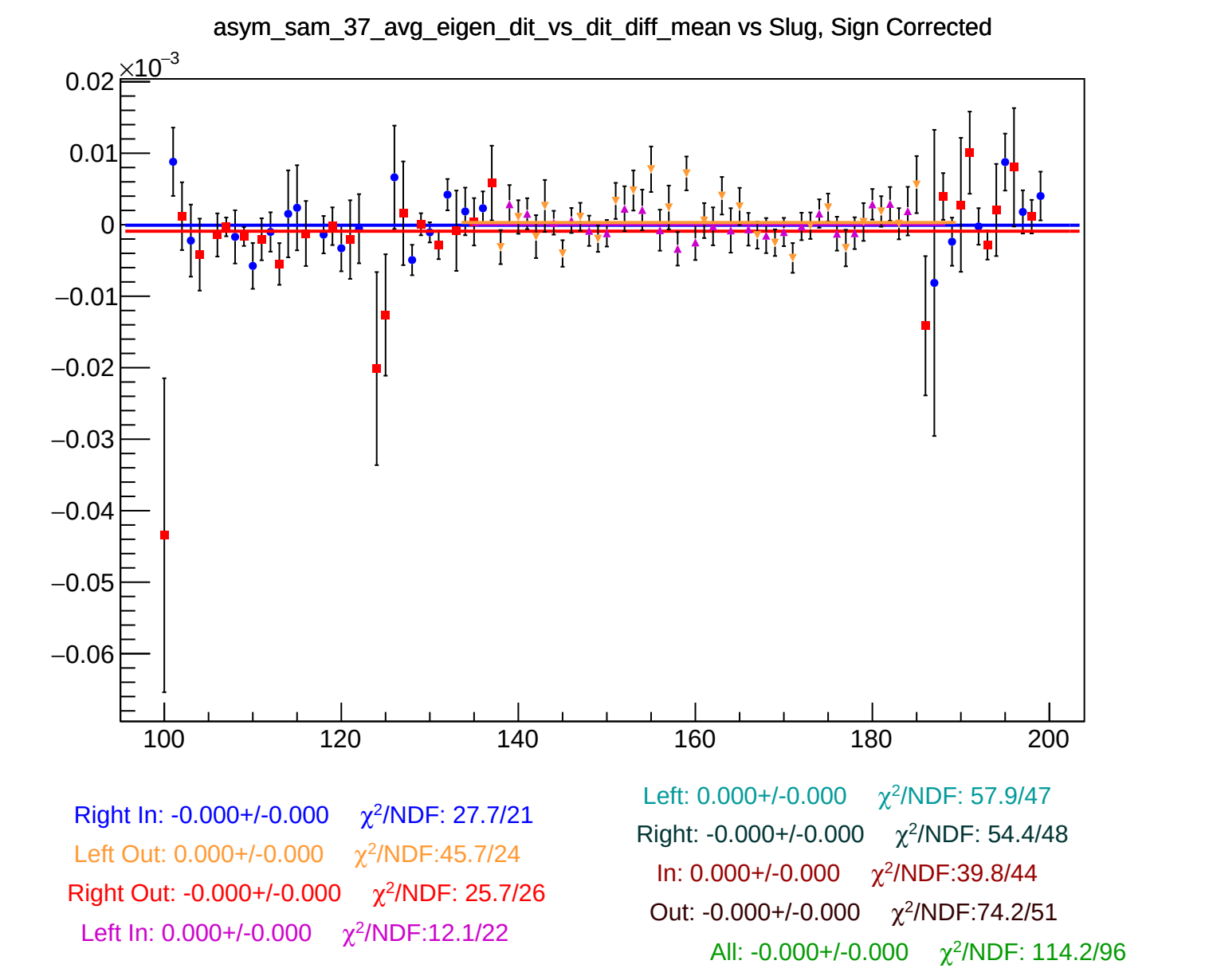
Left: 25.694+/-0.004 χ^2/NDF: 15487591.2/47

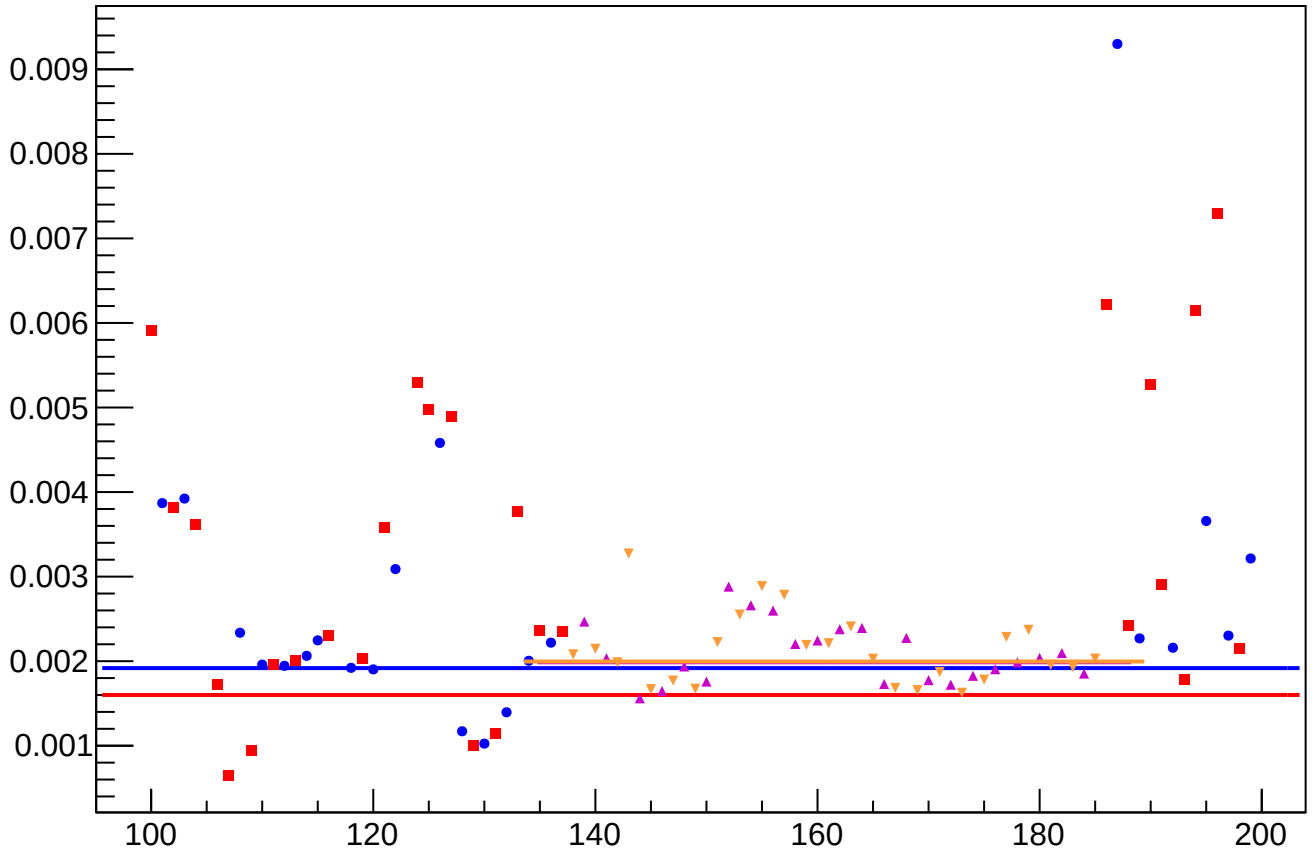
Right: 32.686+/-0.006 χ^2/NDF: 10185887.9/48

In: 25.677+/-0.004 χ^2/NDF:13760438.0/44

Out: 30.022+/-0.004 χ^2/NDF:12478167.6/51

All: 27.664+/-0.003 χ^2/NDF: 26747385.2/96


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: 27.7/21
Left Out: 0.000+/-0.000 χ²/NDF:45.7/24
Right Out: -0.000+/-0.000 χ²/NDF: 25.7/26
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: 54.4/48
In: 0.000+/-0.000 χ²/NDF:39.8/44
Out: -0.000+/-0.000 χ²/NDF:74.2/51
All: -0.000+/-0.000 χ²/NDF: 114.2/96



Right In: 0.002+/-0.000 χ^2/NDF: 3250628.3/21

Left Out: 0.002+/-0.000 χ^2/NDF:1173308.8/24

Right Out: 0.002+/-0.000 χ^2/NDF: 7603220.6/26

Left In: 0.002+/-0.000 χ^2/NDF:924009.7/22

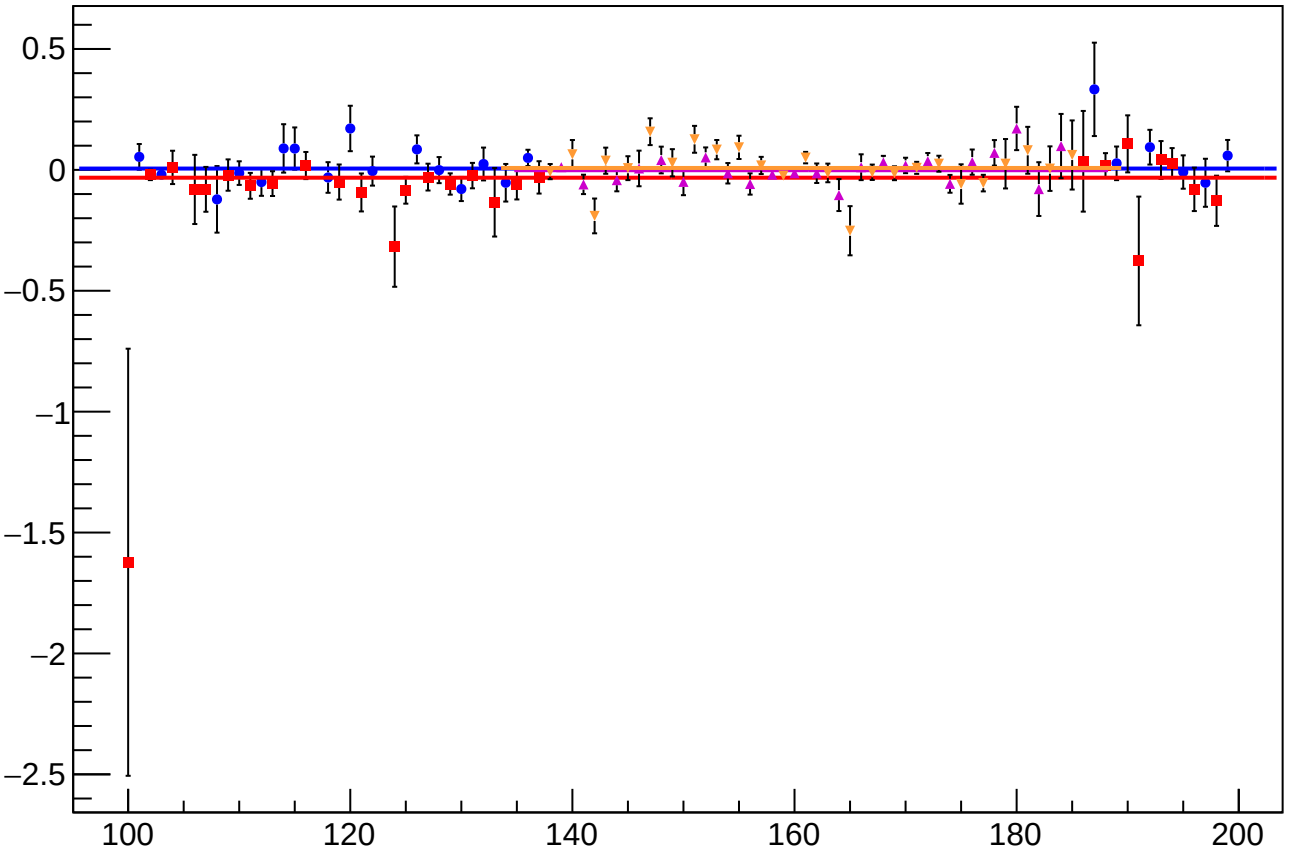
Left: 0.002+/-0.000 χ^2/NDF: 2097693.3/47

Right: 0.002+/-0.000 χ^2/NDF: 11137020.6/48

In: 0.002+/-0.000 χ^2/NDF:4189726.9/44

Out: 0.002+/-0.000 χ^2/NDF:9380199.9/51

All: 0.002+/-0.000 χ^2/NDF: 13694827.8/96



Right In: 0.005+/-0.011 χ^2/NDF: 22.2/21

Left Out: 0.008+/-0.008 χ^2/NDF:47.6/24

Right Out: -0.032+/-0.012 χ^2/NDF: 18.5/26

Left In: -0.001+/-0.007 χ^2/NDF:25.1/22

Left: 0.003+/-0.005 χ^2/NDF: 73.6/47

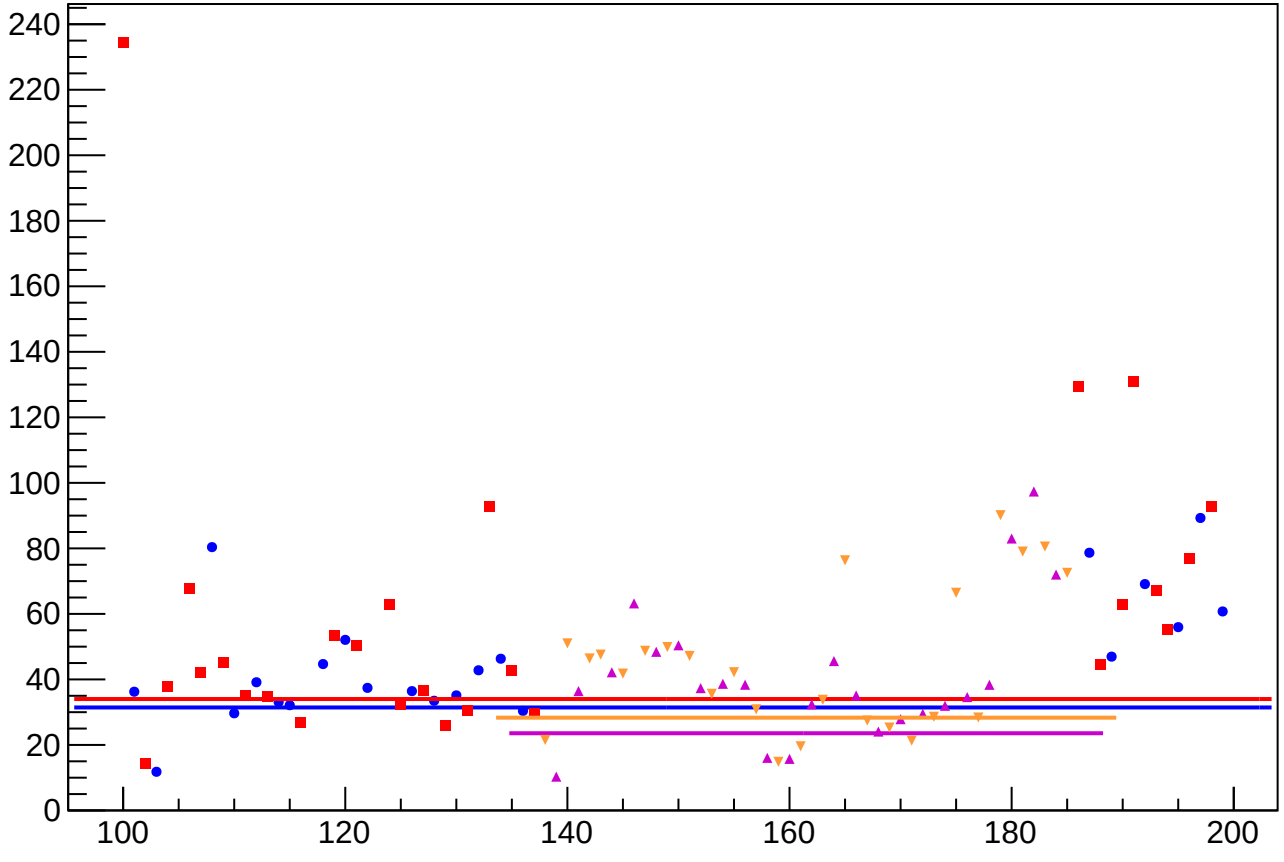
Right: -0.013+/-0.008 χ^2/NDF: 46.2/48

In: 0.000+/-0.006 χ^2/NDF:47.6/44

Out: -0.004+/-0.006 χ^2/NDF:74.5/51

All: -0.002+/-0.004 χ^2/NDF: 122.5/96

asym_sam_37_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 31.439+/-0.008 χ^2/NDF: 4782037.6/21

Left Out: 28.324+/-0.005 χ^2/NDF:6788766.1/24

Right Out: 34.015+/-0.008 χ^2/NDF: 5352625.4/26

Left In: 23.571+/-0.005 χ^2/NDF:8264891.4/22

Left: 25.694+/-0.004 χ^2/NDF: 15489262.5/47

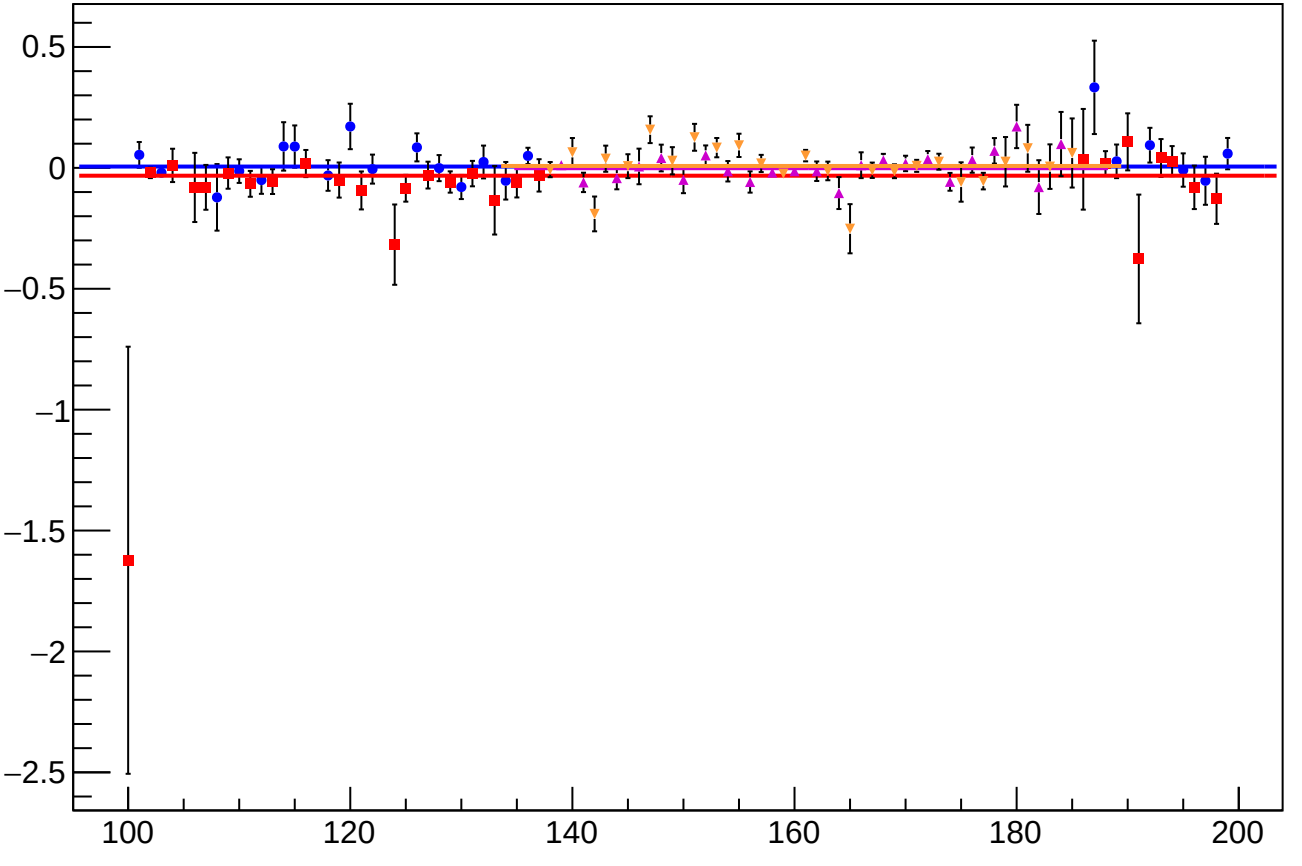
Right: 32.687+/-0.006 χ^2/NDF: 10185349.4/48

In: 25.676+/-0.004 χ^2/NDF:13761892.7/44

Out: 30.022+/-0.004 χ^2/NDF:12477983.9/51

All: 27.663+/-0.003 χ^2/NDF: 26749024.4/96

asym_sam_37_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.005+/-0.011 χ^2/NDF: 22.2/21

Left Out: 0.008+/-0.008 χ^2/NDF:47.6/24

Right Out: -0.032+/-0.012 χ^2/NDF: 18.5/26

Left In: -0.001+/-0.007 χ^2/NDF:25.1/22

Left: 0.003+/-0.005 χ^2/NDF: 73.6/47

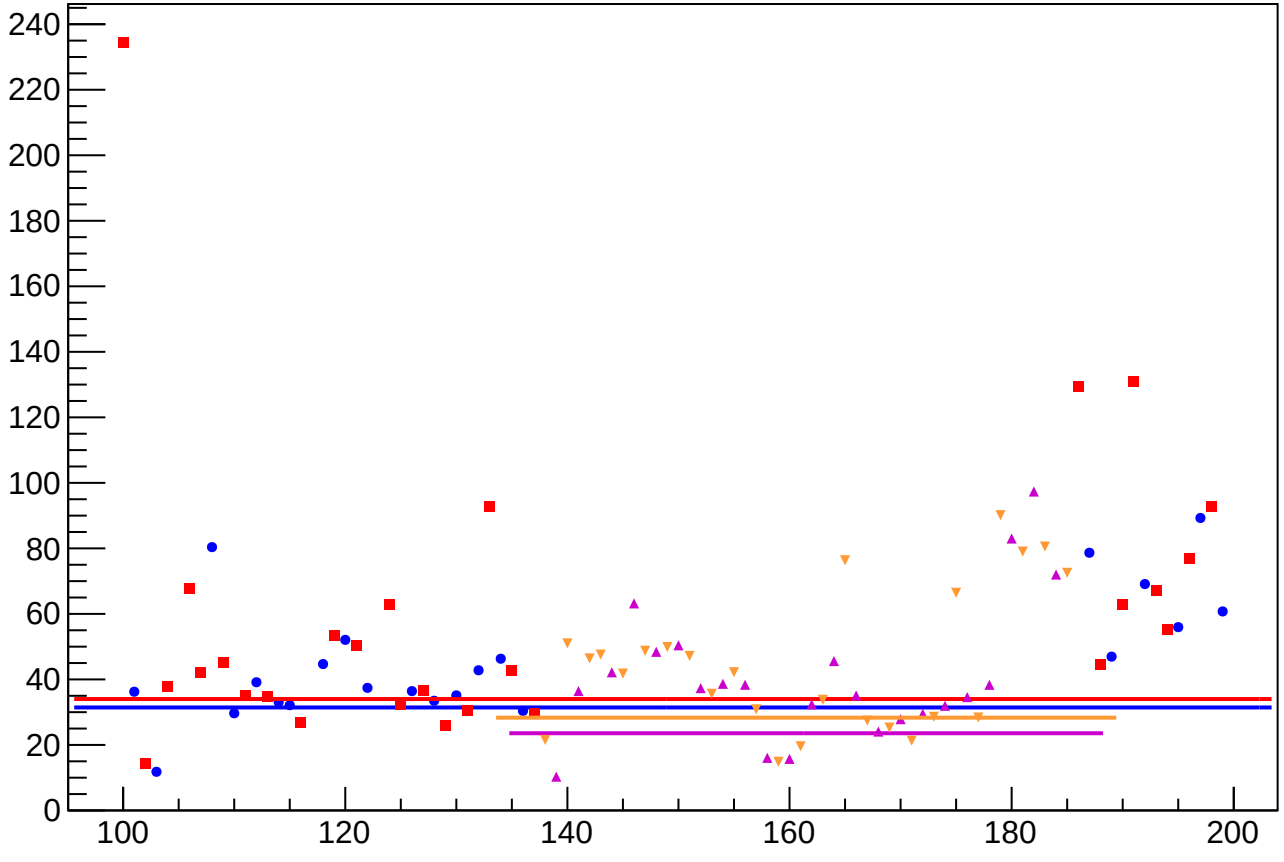
Right: -0.013+/-0.008 χ^2/NDF: 46.2/48

In: 0.000+/-0.006 χ^2/NDF:47.6/44

Out: -0.004+/-0.006 χ^2/NDF:74.5/51

All: -0.002+/-0.004 χ^2/NDF: 122.5/96

asym_sam_37_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 31.439+/-0.008 χ^2/NDF: 4782037.6/21

Left Out: 28.324+/-0.005 χ^2/NDF:6788766.1/24

Right Out: 34.015+/-0.008 χ^2/NDF: 5352625.4/26

Left In: 23.571+/-0.005 χ^2/NDF:8264891.4/22

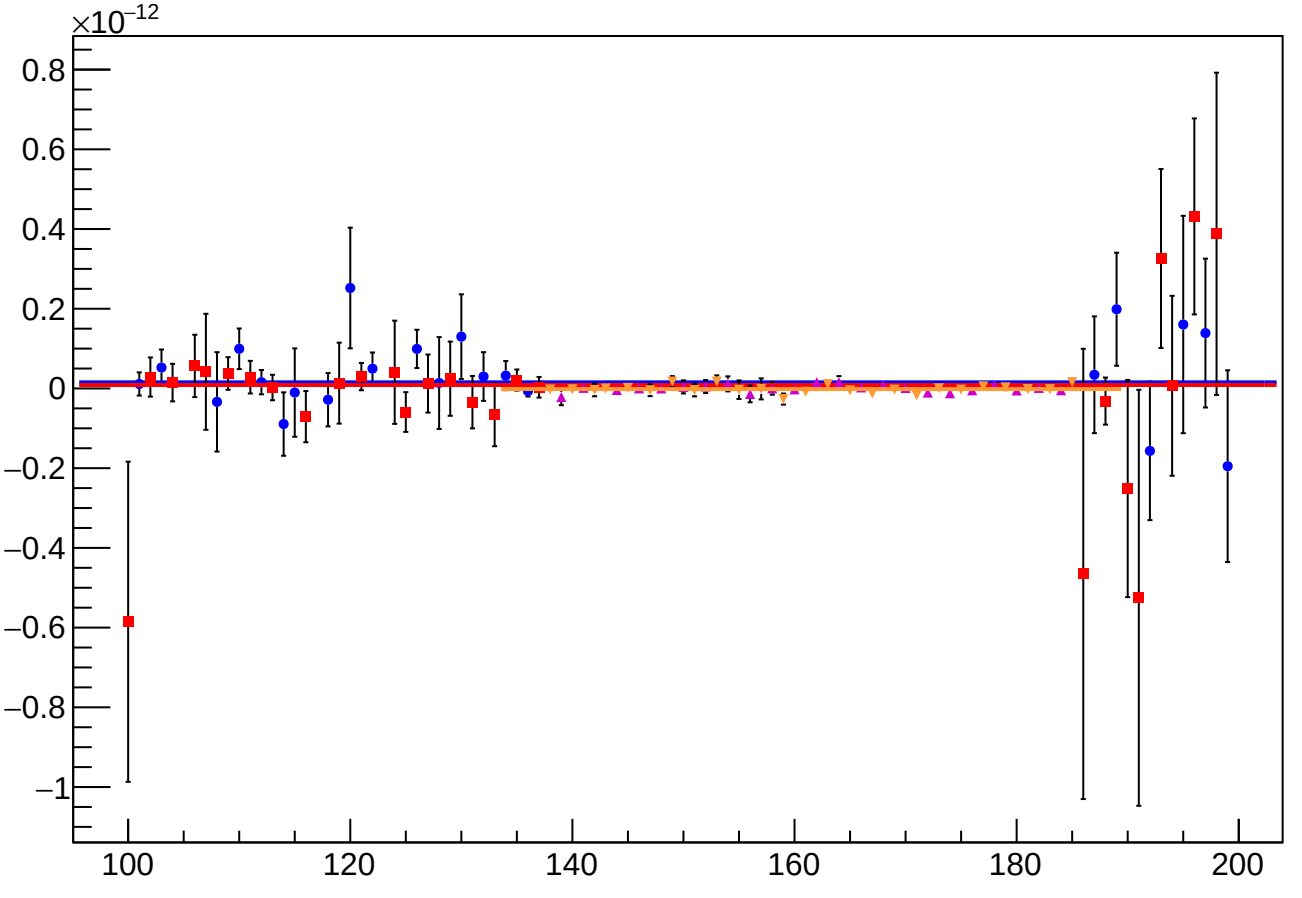
Left: 25.694+/-0.004 χ^2/NDF: 15489262.5/47

Right: 32.687+/-0.006 χ^2/NDF: 10185349.4/48

In: 25.676+/-0.004 χ^2/NDF:13761892.7/44

Out: 30.022+/-0.004 χ^2/NDF:12477983.9/51

All: 27.663+/-0.003 χ^2/NDF: 26749024.4/96



Right In: 0.000+/-0.000 χ^2/NDF: 20.1/21

Left Out: -0.000+/-0.000 χ^2/NDF:17.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 18.0/26

Left In: -0.000+/-0.000 χ^2/NDF:15.9/22

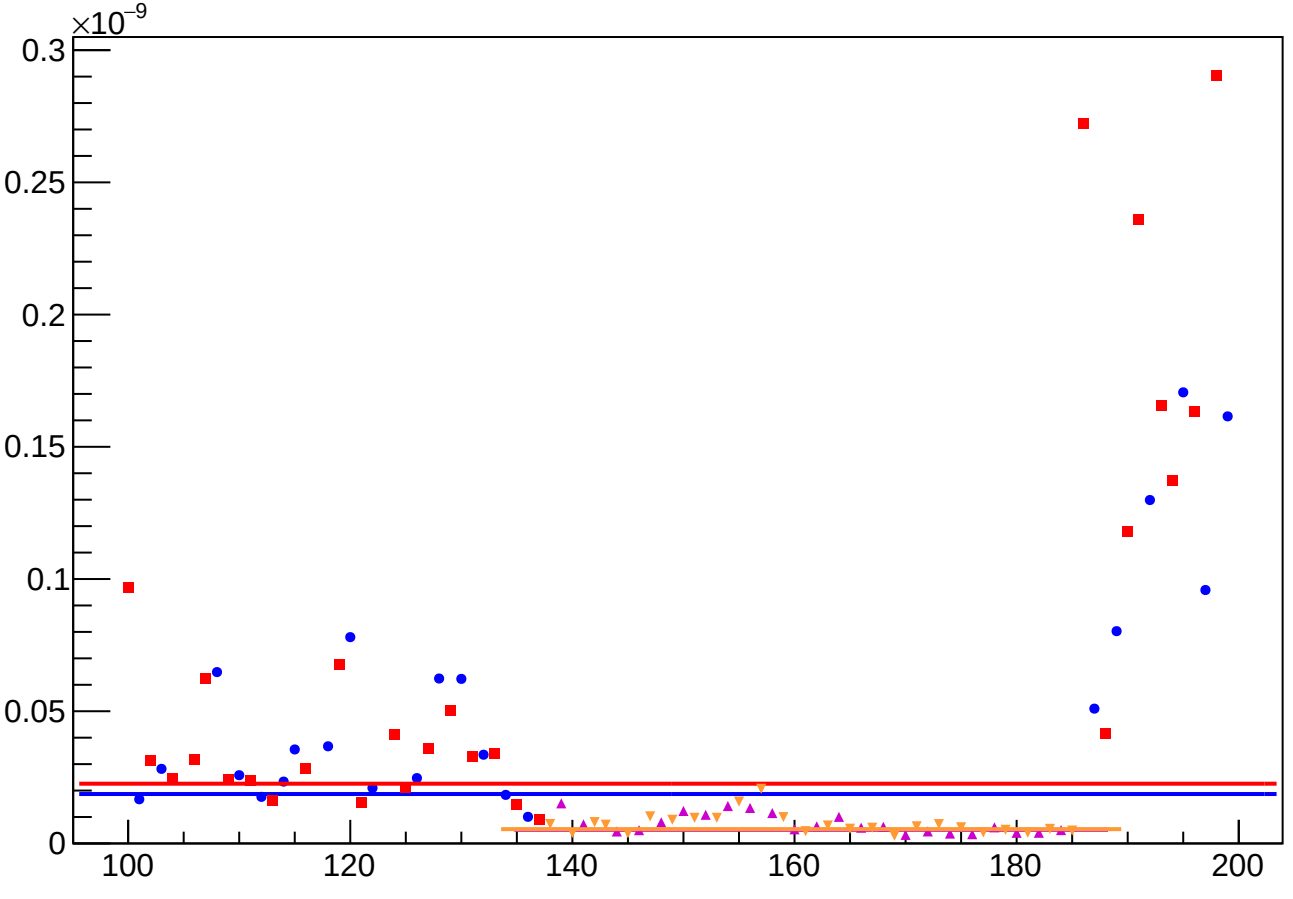
Left: -0.000+/-0.000 χ^2/NDF: 33.5/47

Right: 0.000+/-0.000 χ^2/NDF: 38.3/48

In: -0.000+/-0.000 χ^2/NDF:39.1/44

Out: -0.000+/-0.000 χ^2/NDF:36.4/51

All: -0.000+/-0.000 χ^2/NDF: 75.5/96



Right In: 0.000+/-0.000 χ^2/NDF: 5442186.9/21

Left Out: 0.000+/-0.000 χ^2/NDF:3068356.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6039676.2/26

Left In: 0.000+/-0.000 χ^2/NDF:3390855.0/22

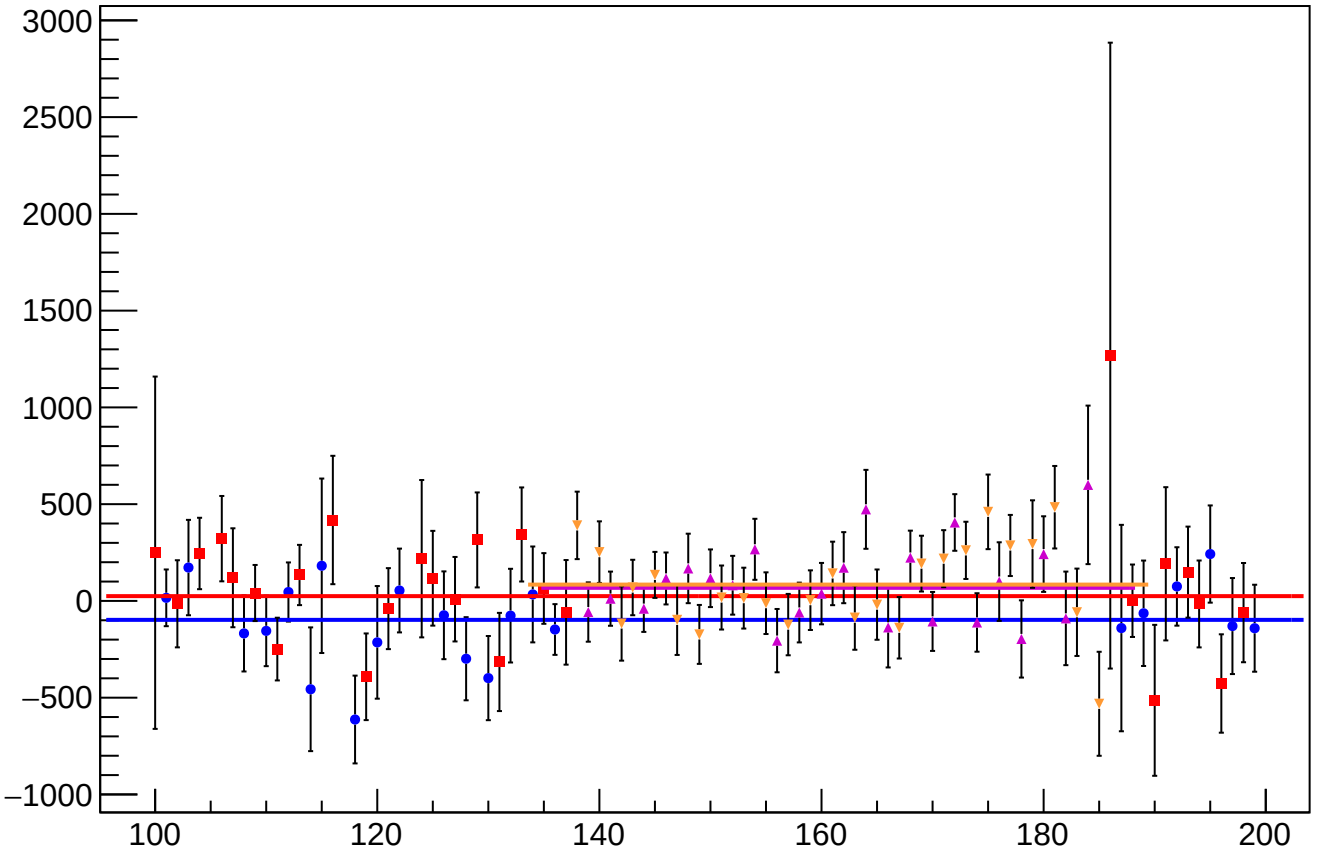
Left: 0.000+/-0.000 χ^2/NDF: 6479218.4/47

Right: 0.000+/-0.000 χ^2/NDF: 11634329.9/48

In: 0.000+/-0.000 χ^2/NDF:12862068.9/44

Out: 0.000+/-0.000 χ^2/NDF:14224373.7/51

All: 0.000+/-0.000 χ^2/NDF: 27108876.5/96



Right In: -97.878+/-45.826 χ^2/NDF: 16.2/21

Left Out: 84.324+/-33.036 χ^2/NDF:33.8/24

Right Out: 24.735+/-44.196 χ^2/NDF: 23.5/26

Left In: 67.646+/-34.137 χ^2/NDF:26.5/22

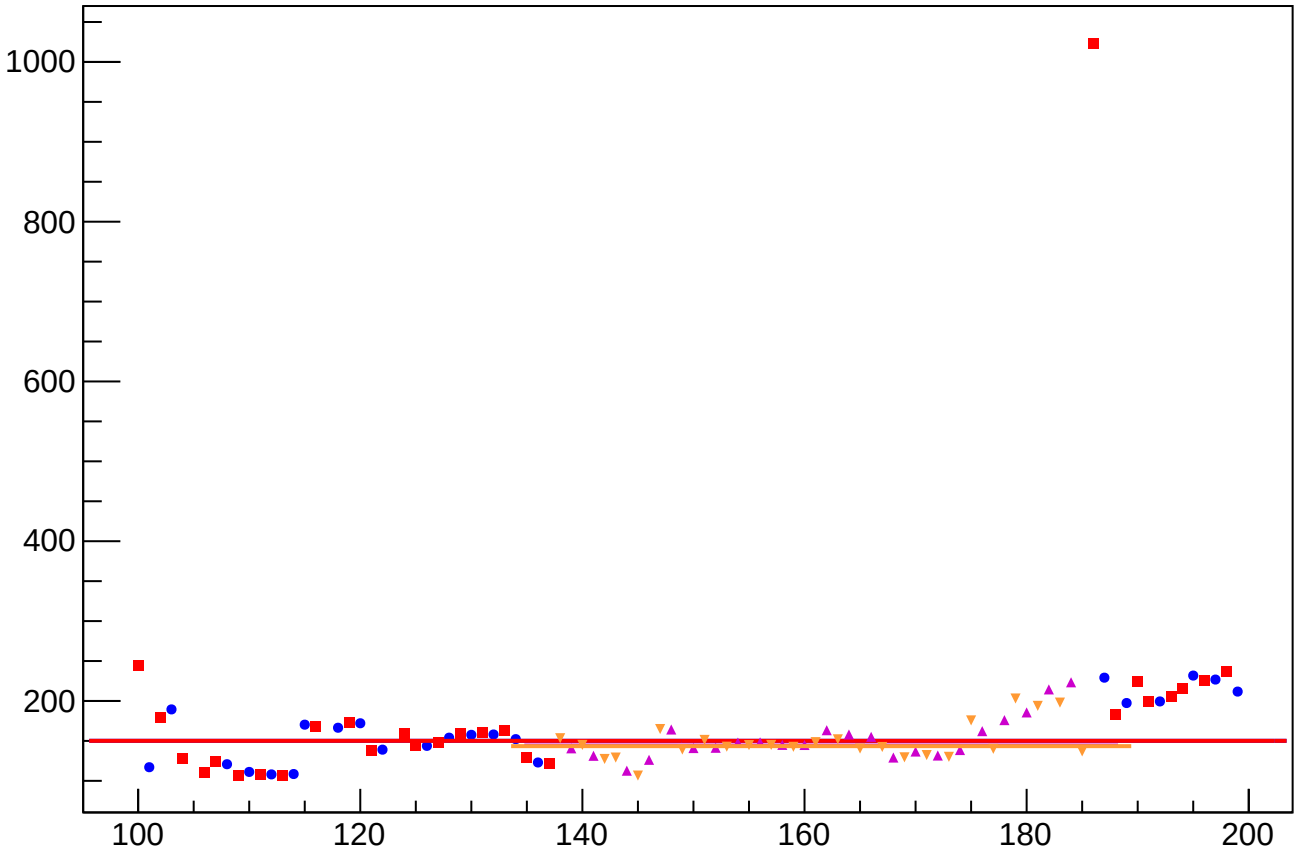
Left: 76.258+/-23.739 χ^2/NDF: 60.5/47

Right: -34.352+/-31.812 χ^2/NDF: 43.4/48

In: 8.575+/-27.376 χ^2/NDF:51.1/44

Out: 62.965+/-26.461 χ^2/NDF:58.5/51

All: 36.695+/-19.026 χ^2/NDF: 111.7/96



Right In: 150.121+/-0.032 χ^2/NDF: 1372927.0/21

Left Out: 143.444+/-0.023 χ^2/NDF:747040.9/24

Right Out: 150.090+/-0.031 χ^2/NDF: 2161154.4/26

Left In: 144.170+/-0.024 χ^2/NDF:702713.8/22

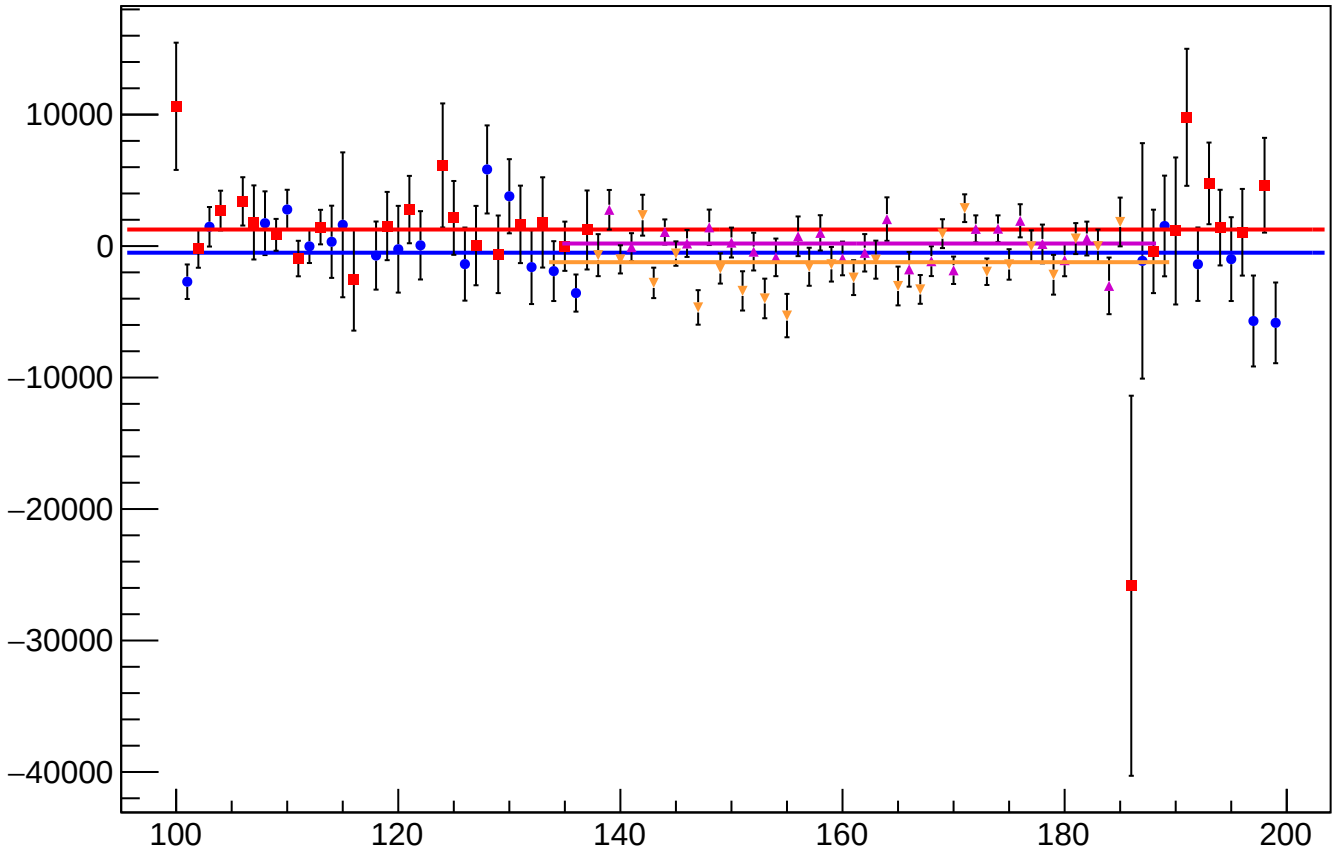
Left: 143.795+/-0.017 χ^2/NDF: 1450223.0/47

Right: 150.105+/-0.022 χ^2/NDF: 3534081.8/48

In: 146.294+/-0.019 χ^2/NDF:2097326.7/44

Out: 145.826+/-0.019 χ^2/NDF:2937209.6/51

All: 146.052+/-0.013 χ^2/NDF: 5034838.8/96



Right In: -505.141+/-472.745 χ^2/NDF: 27.6/21

Left Out: -1225.049+/-251.767 χ^2/NDF:59.3/24

Right Out: 1259.170+/-441.751 χ^2/NDF: 22.1/26

Left In: 193.805+/-258.922 χ^2/NDF:23.3/22

Left: -535.495+/-180.503 χ^2/NDF: 98.0/47

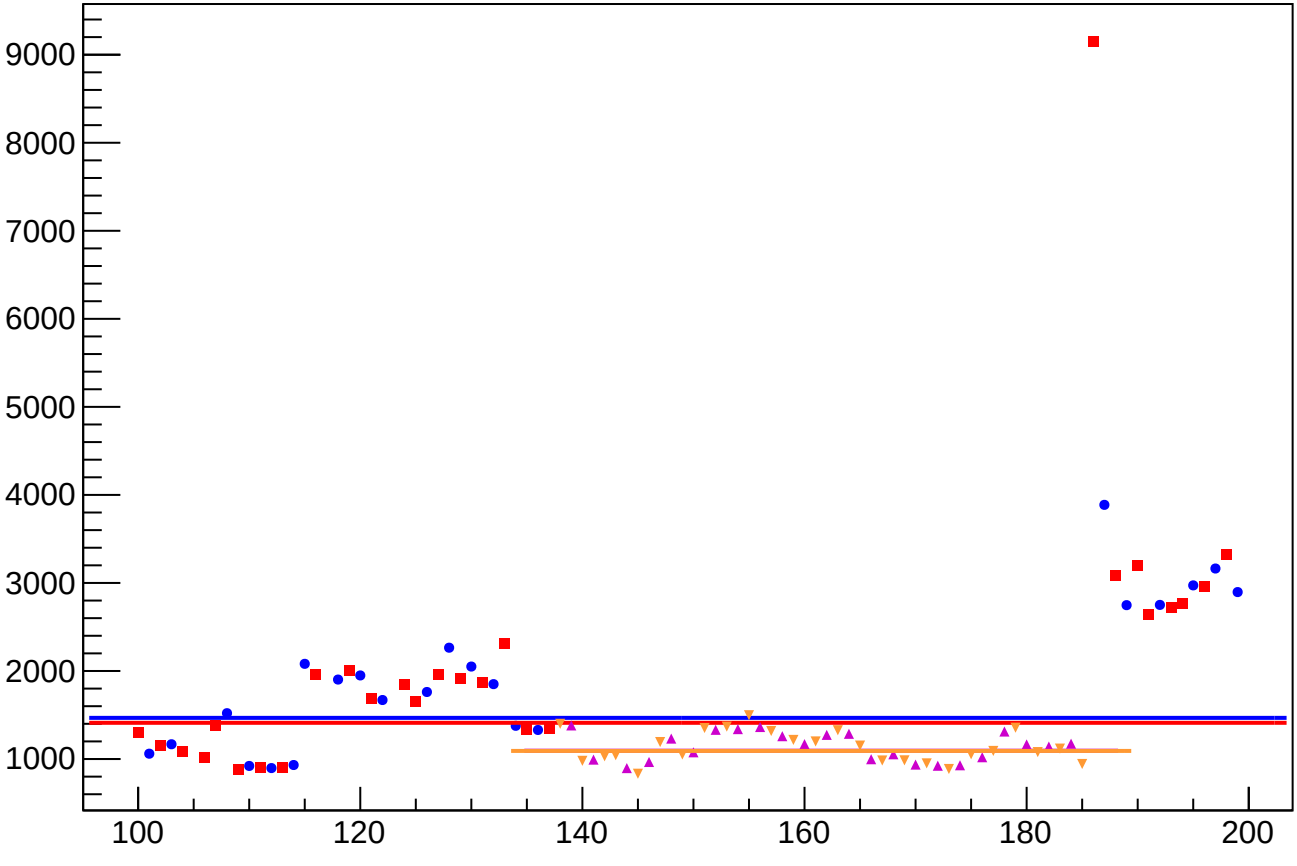
Right: 436.742+/-322.767 χ^2/NDF: 57.1/48

In: 32.521+/-227.092 χ^2/NDF:52.5/44

Out: -615.967+/-218.736 χ^2/NDF:105.3/51

All: -303.872+/-157.541 χ^2/NDF: 162.0/96

asym_sam_48_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 1467.573+/-0.334 χ^2/NDF: 3585435.3/21

Left Out: 1091.980+/-0.178 χ^2/NDF:892442.4/24

Right Out: 1411.353+/-0.312 χ^2/NDF: 4979224.9/26

Left In: 1094.478+/-0.183 χ^2/NDF:732975.2/22

Left: 1093.194+/-0.128 χ^2/NDF: 1625513.3/47

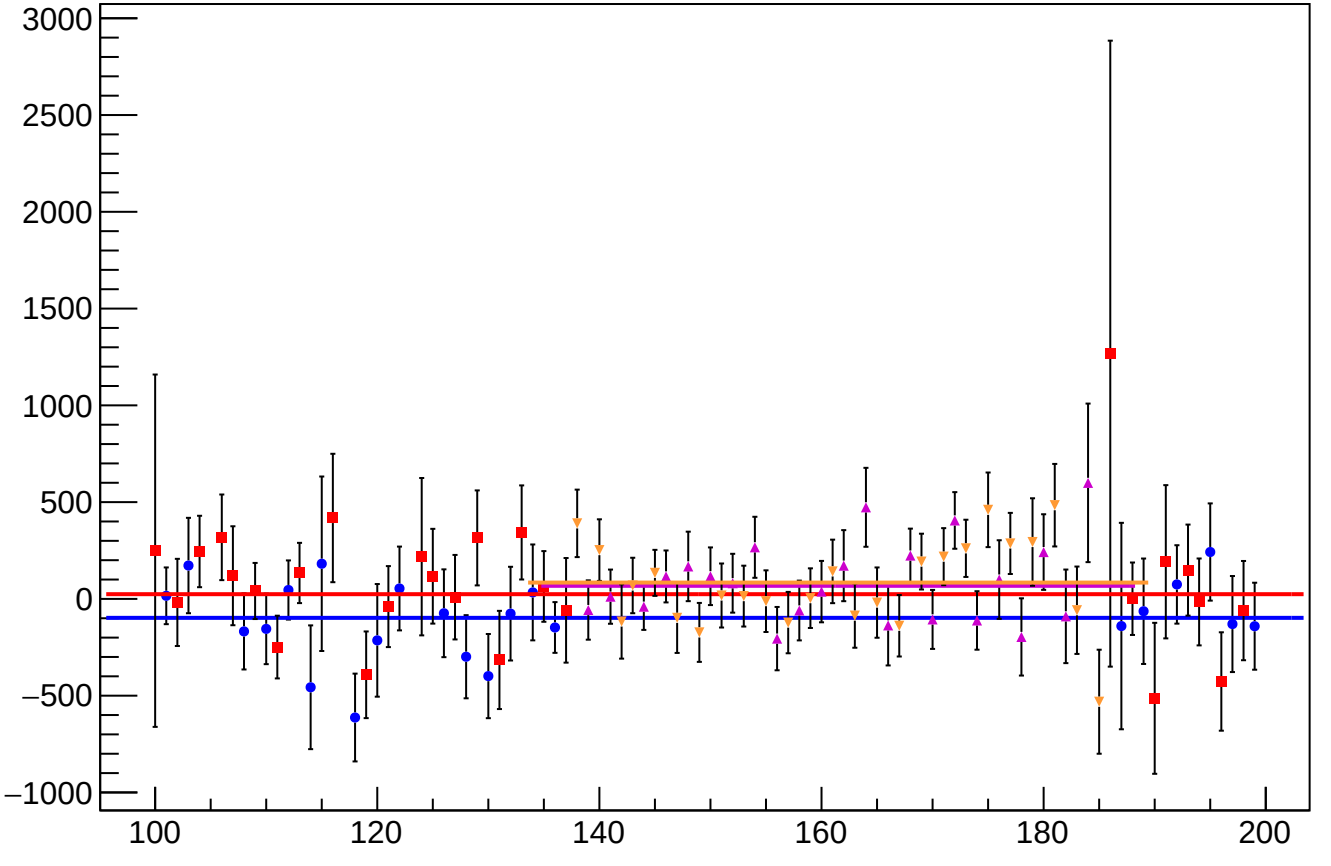
Right: 1437.560+/-0.228 χ^2/NDF: 8579760.4/48

In: 1180.571+/-0.161 χ^2/NDF:5276662.6/44

Out: 1170.284+/-0.155 χ^2/NDF:6660737.0/51

All: 1175.235+/-0.111 χ^2/NDF: 11939528.8/9

cor_asym_sam_48_avg_mean vs Slug, Sign Corrected



Right In: -97.885+/-45.826 χ^2/NDF: 16.2/21

Left Out: 84.338+/-33.036 χ^2/NDF:33.8/24

Right Out: 24.387+/-44.203 χ^2/NDF: 23.4/26

Left In: 67.648+/-34.137 χ^2/NDF:26.5/22

Left: 76.266+/-23.739 χ^2/NDF: 60.5/47

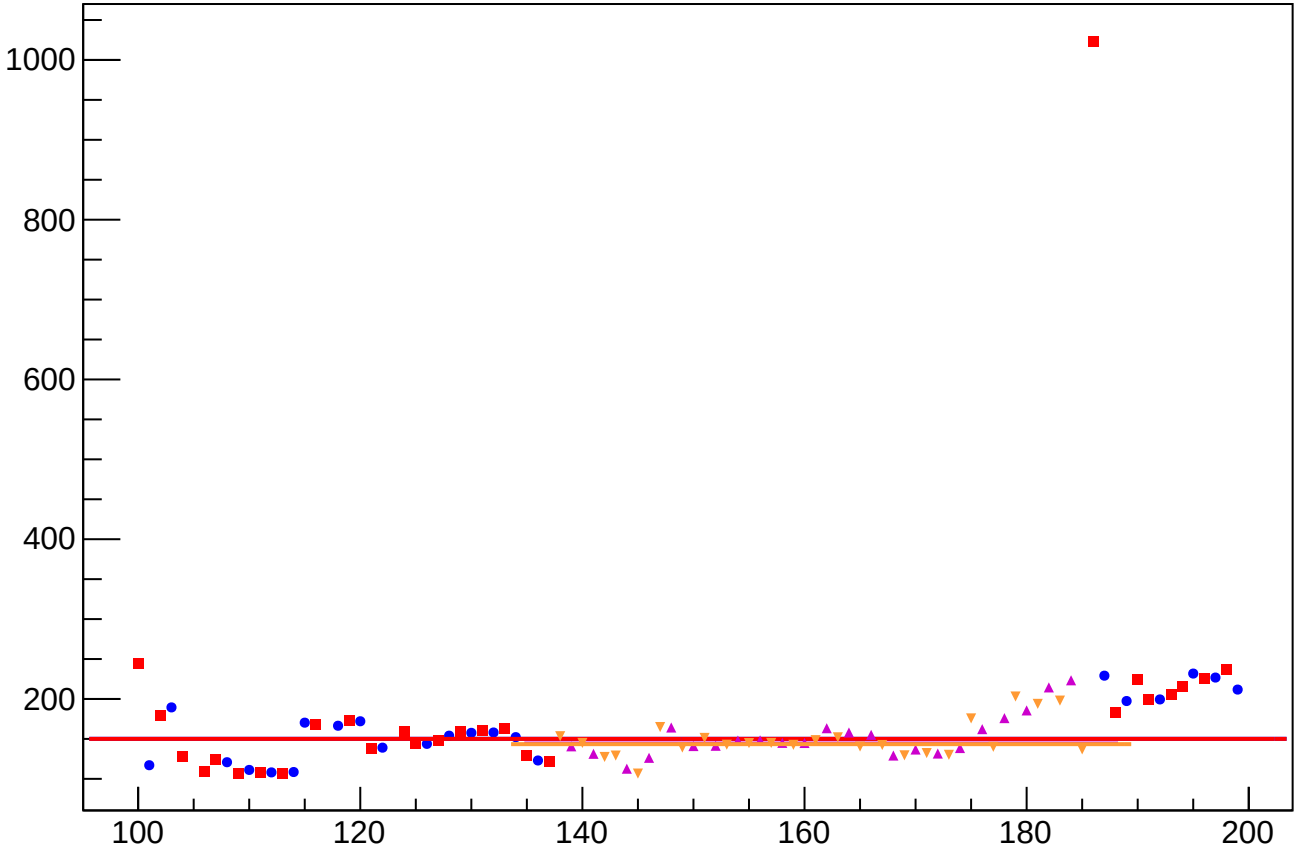
Right: -34.545+/-31.815 χ^2/NDF: 43.4/48

In: 8.574+/-27.376 χ^2/NDF:51.1/44

Out: 62.853+/-26.462 χ^2/NDF:58.4/51

All: 36.635+/-19.026 χ^2/NDF: 111.6/96

cor_asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 150.121+/-0.032 χ^2/NDF: 1372929.4/21

Left Out: 143.444+/-0.023 χ^2/NDF:747040.9/24

Right Out: 150.038+/-0.031 χ^2/NDF: 2166187.1/26

Left In: 144.170+/-0.024 χ^2/NDF:702713.8/22

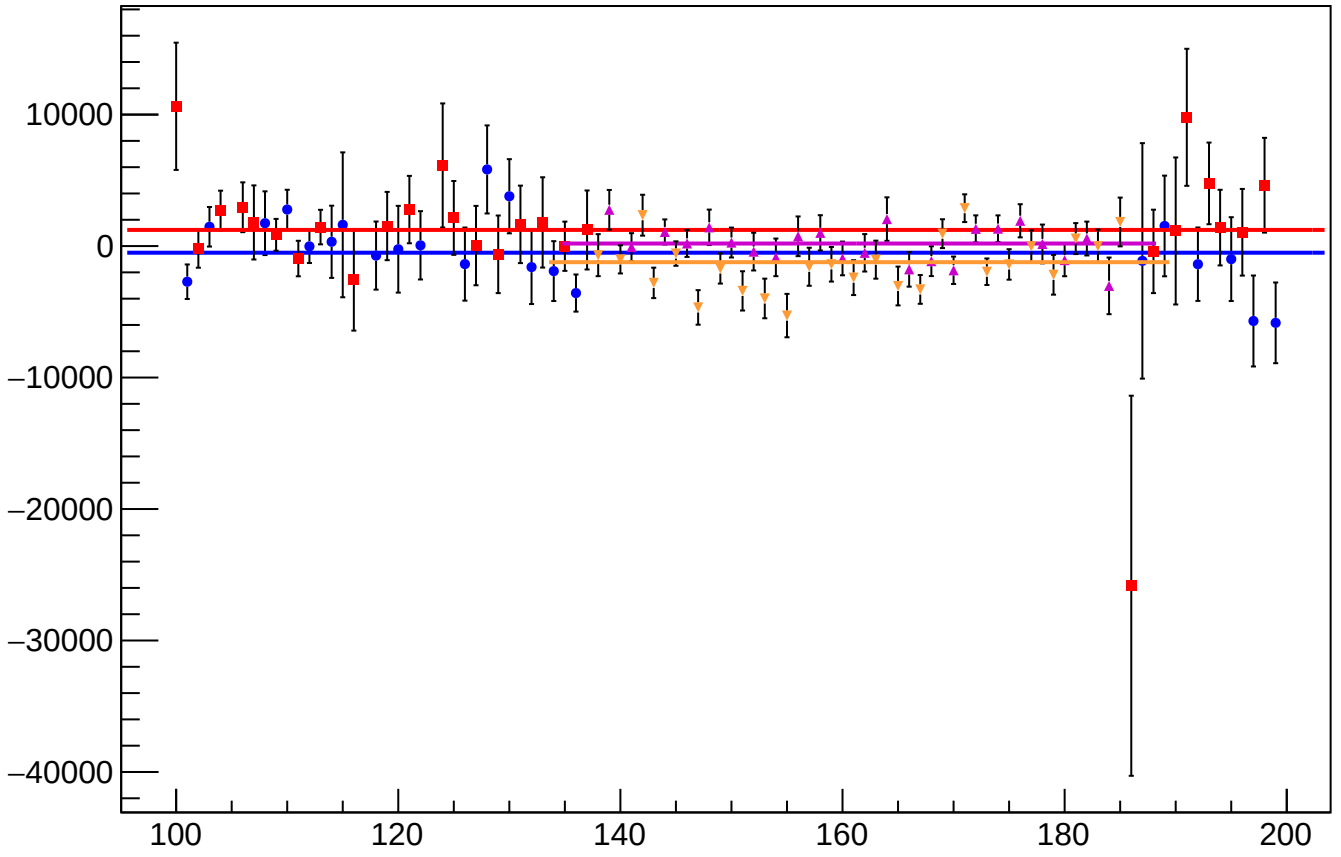
Left: 143.795+/-0.017 χ^2/NDF: 1450223.1/47

Right: 150.078+/-0.022 χ^2/NDF: 3539120.0/48

In: 146.294+/-0.019 χ^2/NDF:2097329.4/44

Out: 145.807+/-0.019 χ^2/NDF:2941786.1/51

All: 146.042+/-0.013 χ^2/NDF: 5039443.1/96



Right In: -505.206+/-472.749 χ^2/NDF: 27.6/21

Left Out: -1225.031+/-251.767 χ^2/NDF:59.3/24

Right Out: 1228.253+/-442.526 χ^2/NDF: 21.6/26

Left In: 193.808+/-258.922 χ^2/NDF:23.3/22

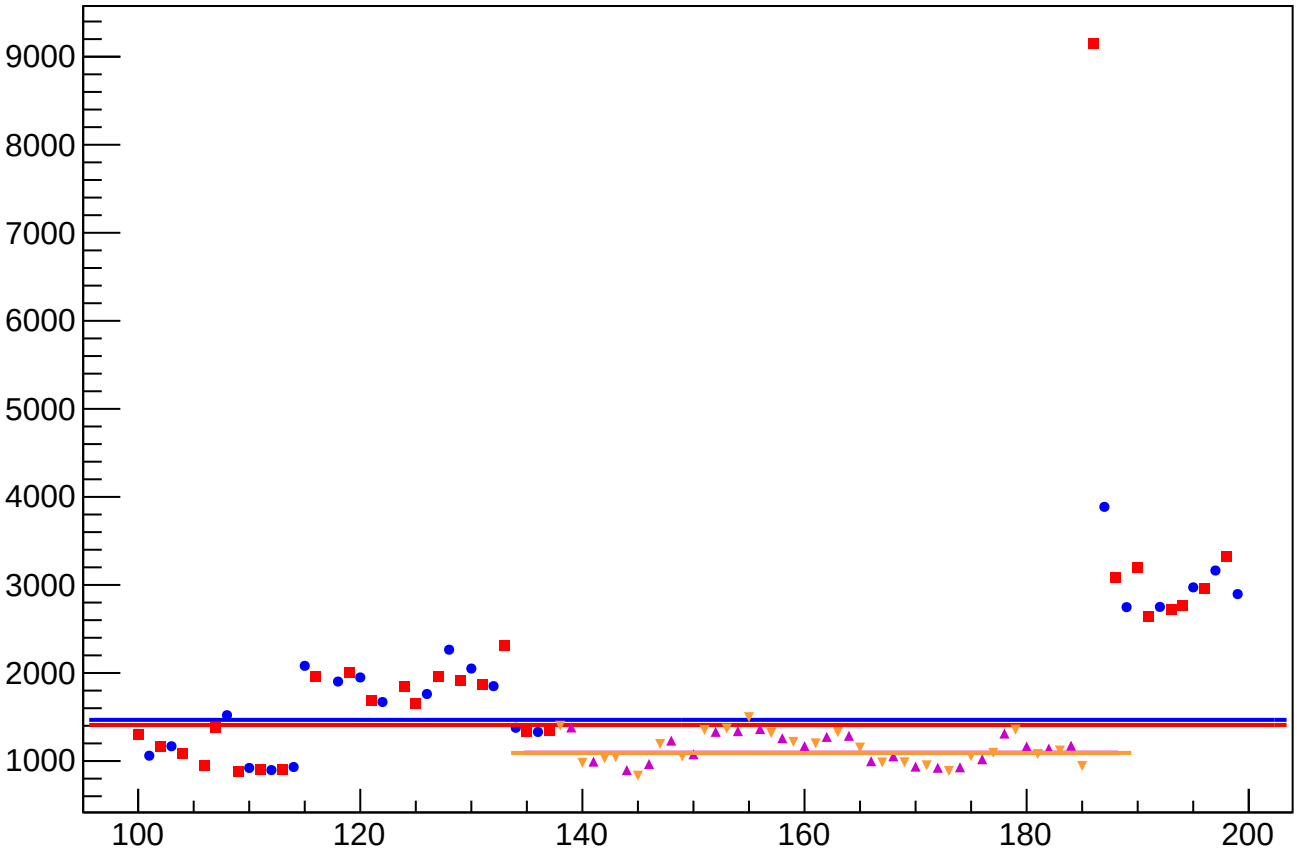
Left: -535.485+/-180.503 χ^2/NDF: 98.0/47

Right: 418.702+/-323.070 χ^2/NDF: 56.3/48

In: 32.510+/-227.092 χ^2/NDF:52.5/44

Out: -625.123+/-218.830 χ^2/NDF:104.0/51

All: -308.487+/-157.576 χ^2/NDF: 160.9/96



Right In: 1467.588+/-0.334 χ^2/NDF: 3585365.6/21

Left Out: 1091.979+/-0.178 χ^2/NDF:892441.9/24

Right Out: 1409.408+/-0.313 χ^2/NDF: 5002779.6/26

Left In: 1094.479+/-0.183 χ^2/NDF:732975.7/22

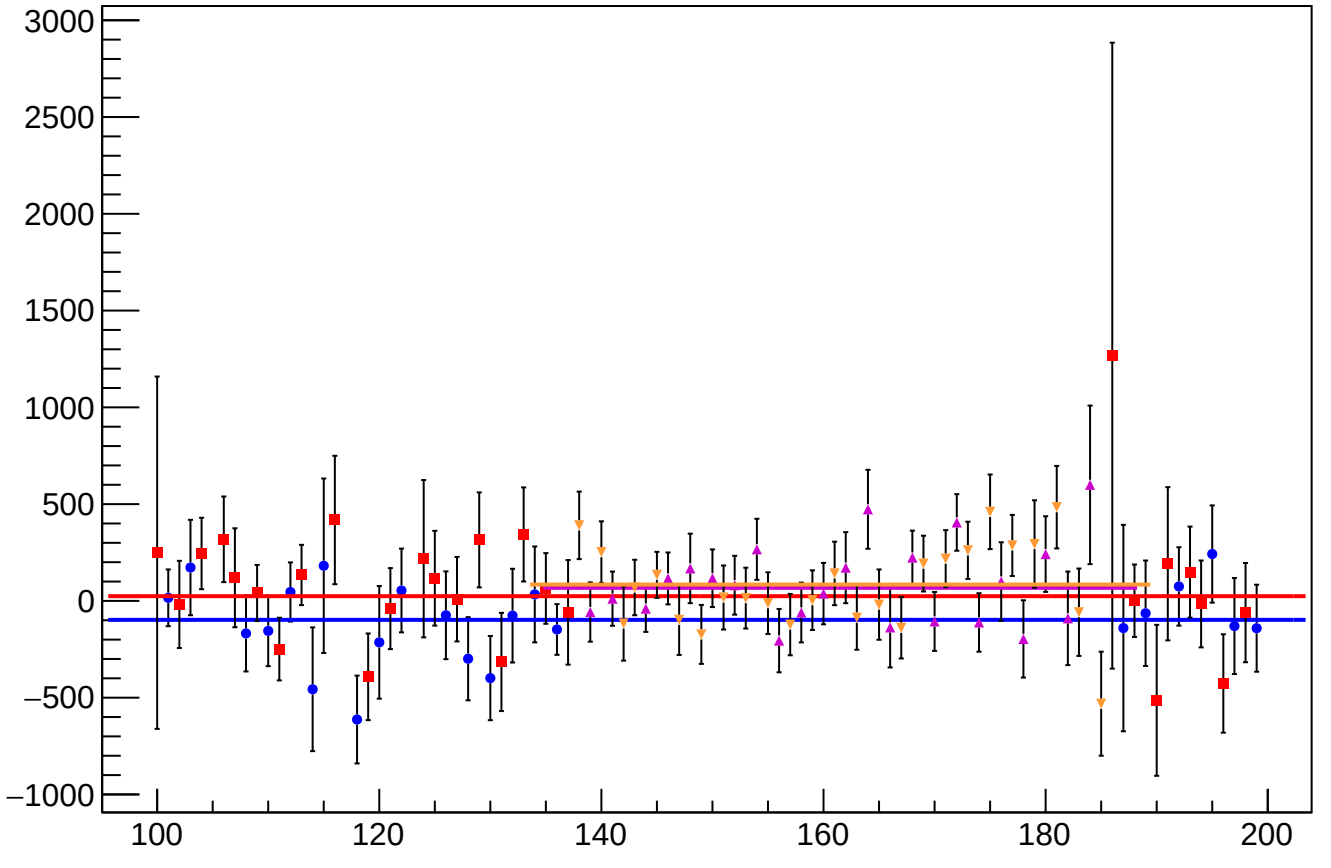
Left: 1093.194+/-0.128 χ^2/NDF: 1625513.3/47

Right: 1436.579+/-0.228 χ^2/NDF: 8604290.0/48

In: 1180.574+/-0.161 χ^2/NDF:5276657.8/44

Out: 1169.601+/-0.155 χ^2/NDF:6672652.1/51

All: 1174.884+/-0.111 χ^2/NDF: 11951731.0/9



Right In: -97.885+/-45.826 χ^2/NDF: 16.2/21

Left Out: 84.338+/-33.036 χ^2/NDF:33.8/24

Right Out: 24.387+/-44.203 χ^2/NDF: 23.4/26

Left In: 67.648+/-34.137 χ^2/NDF:26.5/22

Left: 76.266+/-23.739 χ^2/NDF: 60.5/47

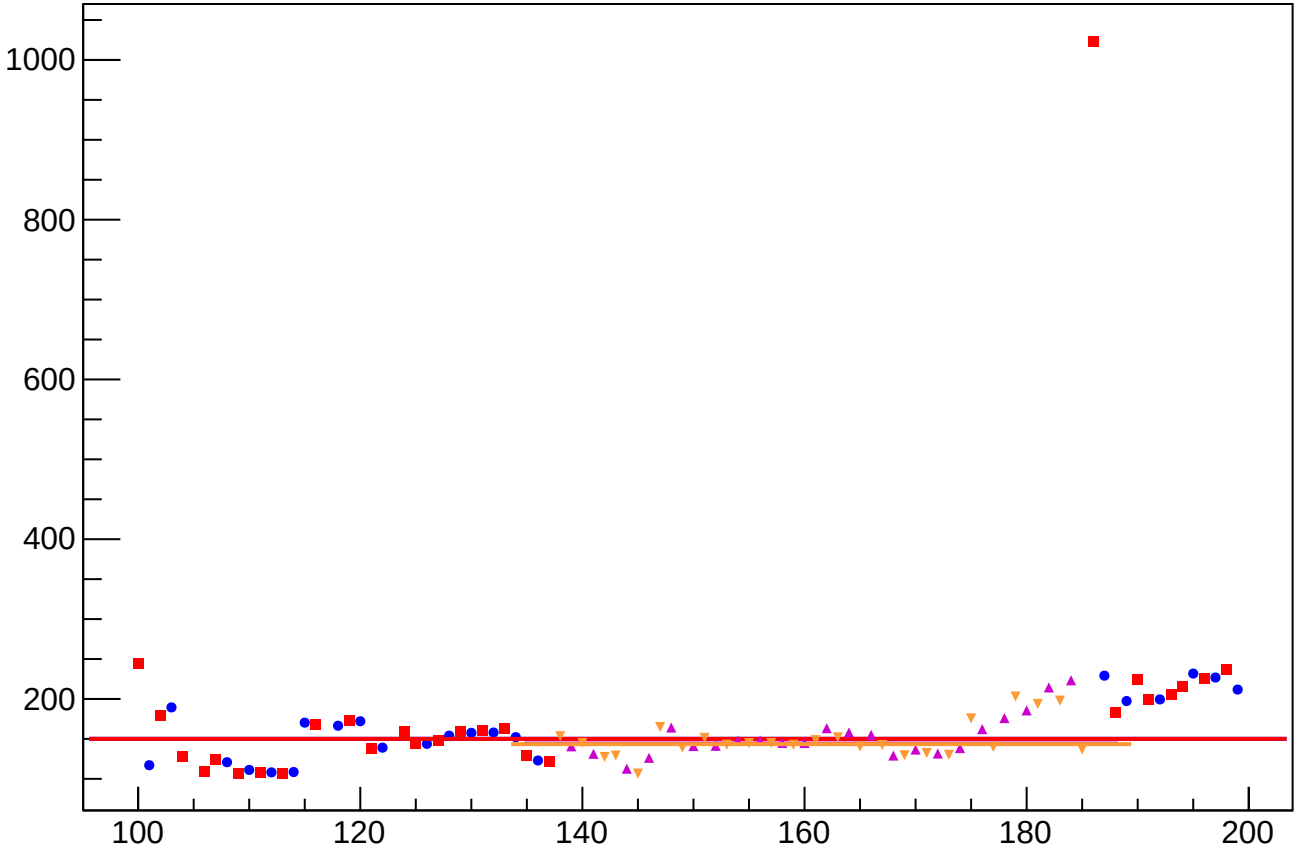
Right: -34.545+/-31.815 χ^2/NDF: 43.4/48

In: 8.574+/-27.376 χ^2/NDF:51.1/44

Out: 62.853+/-26.462 χ^2/NDF:58.4/51

All: 36.635+/-19.026 χ^2/NDF: 111.6/96

eigen_cor_asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 150.121+/-0.032 χ^2/NDF: 1372929.4/21

Left Out: 143.444+/-0.023 χ^2/NDF:747040.9/24

Right Out: 150.038+/-0.031 χ^2/NDF: 2166187.1/26

Left In: 144.170+/-0.024 χ^2/NDF:702713.8/22

Left: 143.795+/-0.017 χ^2/NDF: 1450223.1/47

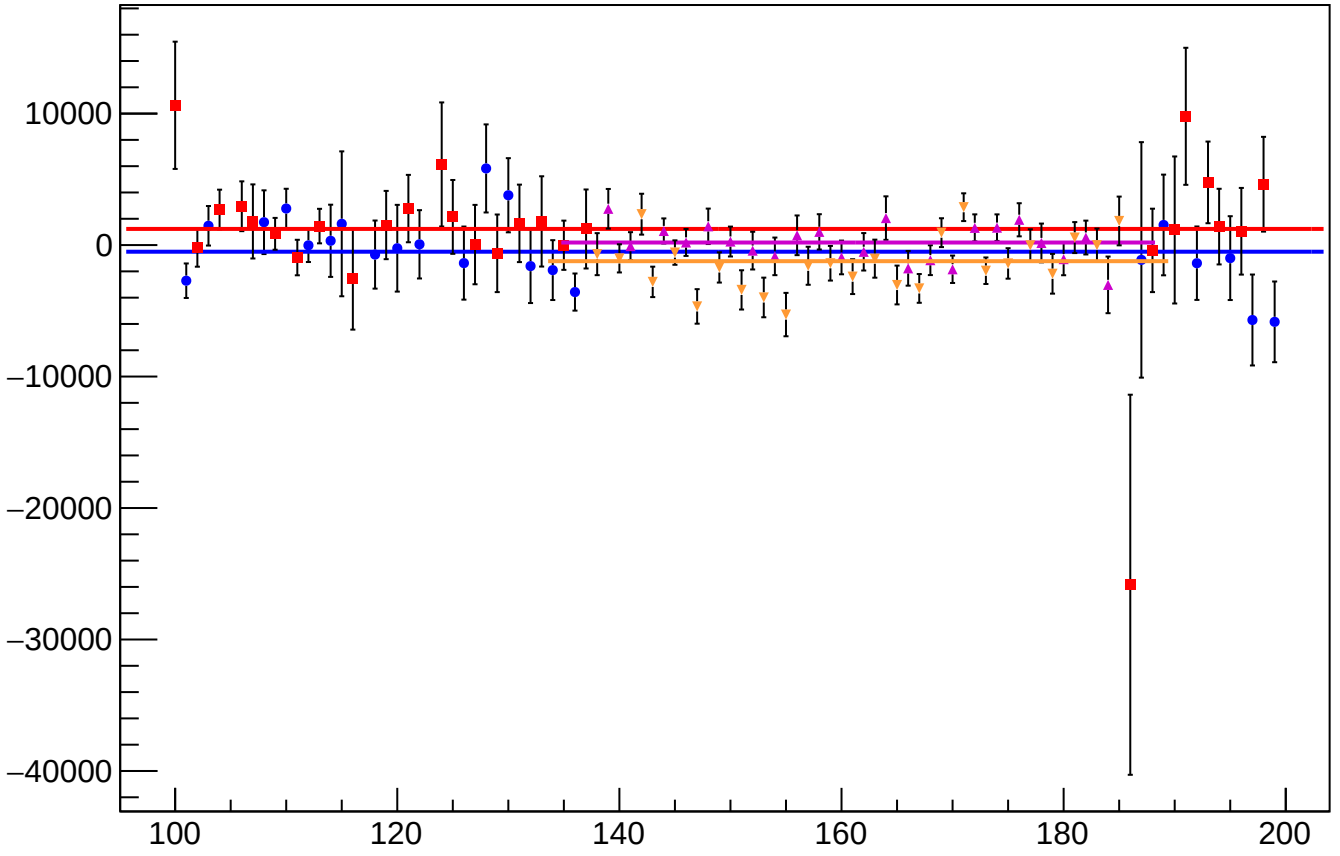
Right: 150.078+/-0.022 χ^2/NDF: 3539120.0/48

In: 146.294+/-0.019 χ^2/NDF:2097329.4/44

Out: 145.807+/-0.019 χ^2/NDF:2941786.1/51

All: 146.042+/-0.013 χ^2/NDF: 5039443.1/96

asym_sam_48_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -505.206+/-472.749 χ^2/NDF: 27.6/21

Left Out: -1225.031+/-251.767 χ^2/NDF:59.3/24

Right Out: 1228.253+/-442.526 χ^2/NDF: 21.6/26

Left In: 193.808+/-258.922 χ^2/NDF:23.3/22

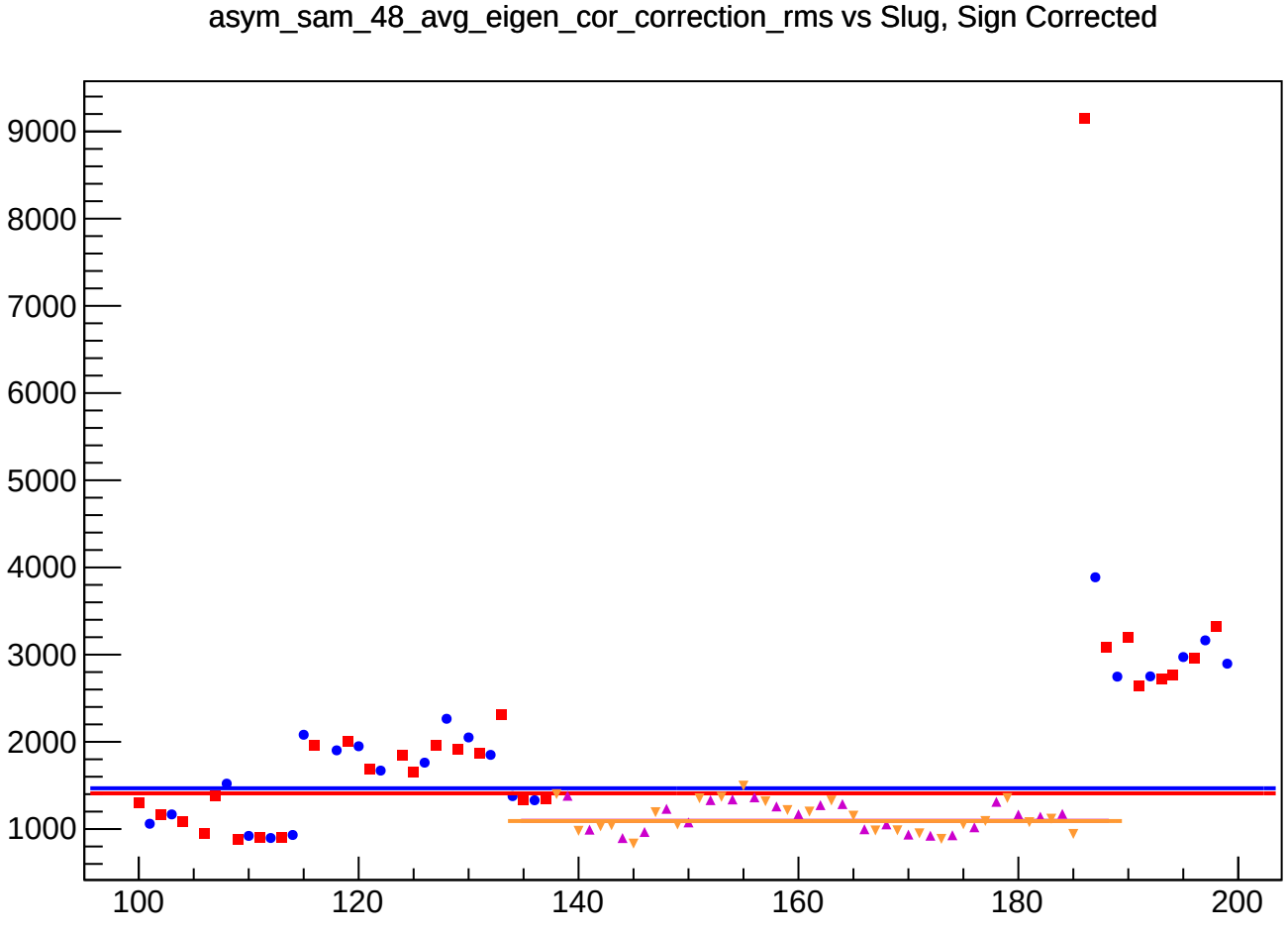
Left: -535.485+/-180.503 χ^2/NDF: 98.0/47

Right: 418.702+/-323.070 χ^2/NDF: 56.3/48

In: 32.510+/-227.092 χ^2/NDF:52.5/44

Out: -625.123+/-218.830 χ^2/NDF:104.0/51

All: -308.487+/-157.576 χ^2/NDF: 160.9/96



Right In: 1467.588+/-0.334 χ^2/NDF: 3585365.6/21

Left Out: 1091.979+/-0.178 χ^2/NDF:892441.9/24

Right Out: 1409.408+/-0.313 χ^2/NDF: 5002779.6/26

Left In: 1094.479+/-0.183 χ^2/NDF:732975.7/22

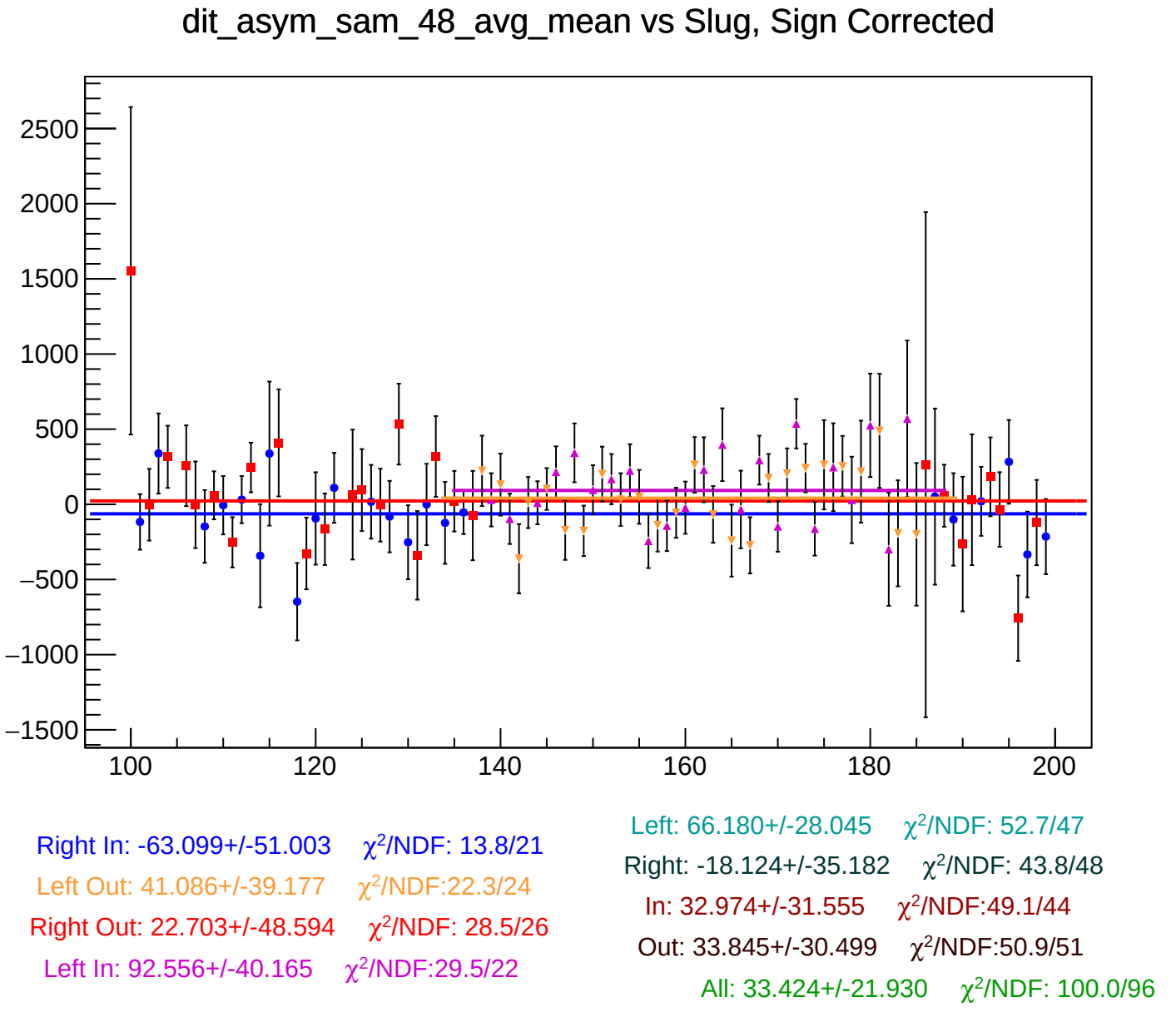
Left: 1093.194+/-0.128 χ^2/NDF: 1625513.3/47

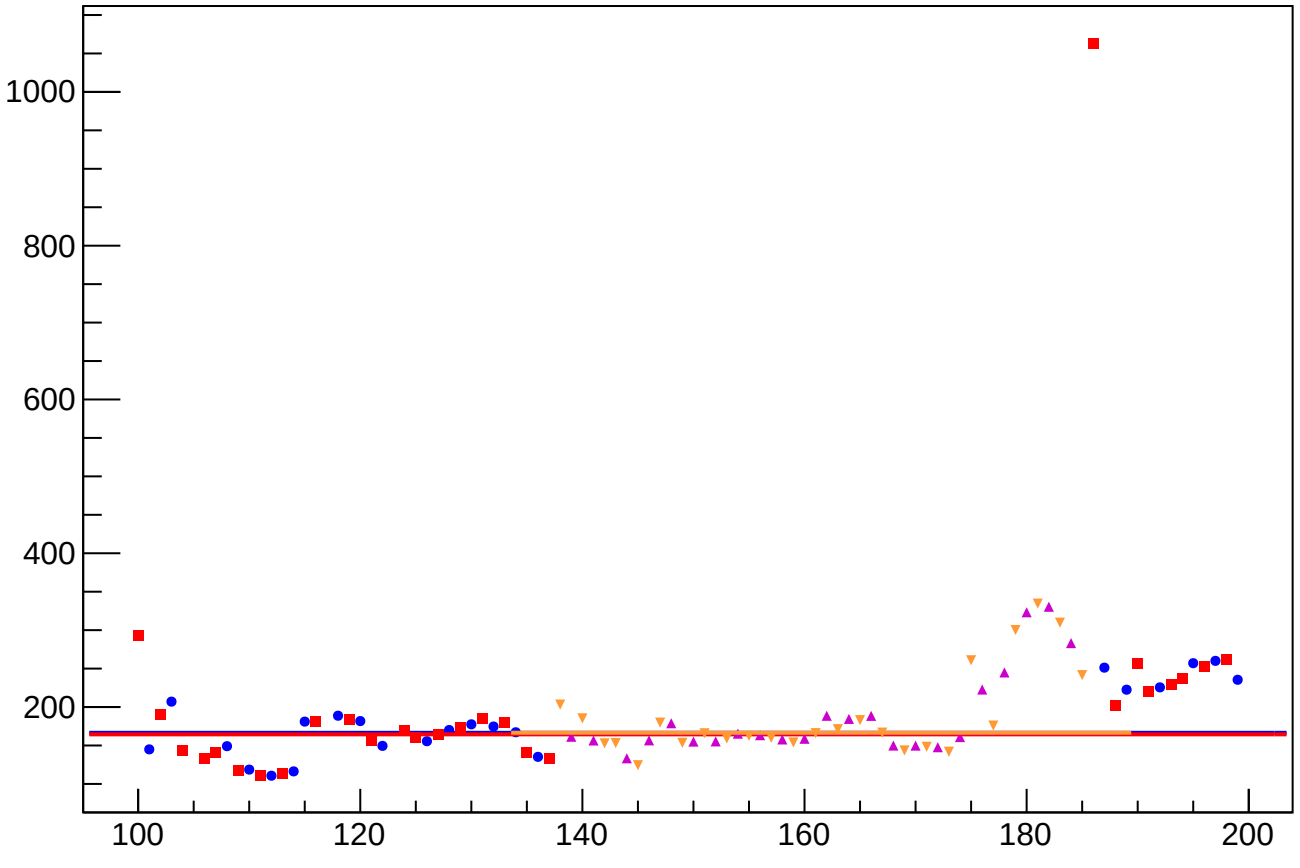
Right: 1436.579+/-0.228 χ^2/NDF: 8604290.0/48

In: 1180.574+/-0.161 χ^2/NDF:5276657.8/44

Out: 1169.601+/-0.155 χ^2/NDF:6672652.1/51

All: 1174.884+/-0.111 χ^2/NDF: 11951731.0/9


dit_asym_sam_48_avg_mean vs Slug, Sign Corrected
2500
2000
1500
1000
500
0
−500
−1000
−1500
100
120
140
160
180
200
Right In: -63.099+/-51.003 χ²/NDF: 13.8/21
Left Out: 41.086+/-39.177 χ²/NDF:22.3/24
Right Out: 22.703+/-48.594 χ²/NDF: 28.5/26
Left In: 92.556+/-40.165 χ²/NDF:29.5/22
Left: 66.180+/-28.045 χ²/NDF: 52.7/47
Right: -18.124+/-35.182 χ²/NDF: 43.8/48
In: 32.974+/-31.555 χ²/NDF:49.1/44
Out: 33.845+/-30.499 χ²/NDF:50.9/51
All: 33.424+/-21.930 χ²/NDF: 100.0/96



Right In: 166.479+/-0.036 χ^2/NDF: 1459065.4/21

Left Out: 166.599+/-0.028 χ^2/NDF:1719835.6/24

Right Out: 164.470+/-0.034 χ^2/NDF: 2242730.7/26

Left In: 166.308+/-0.028 χ^2/NDF:1392466.3/22

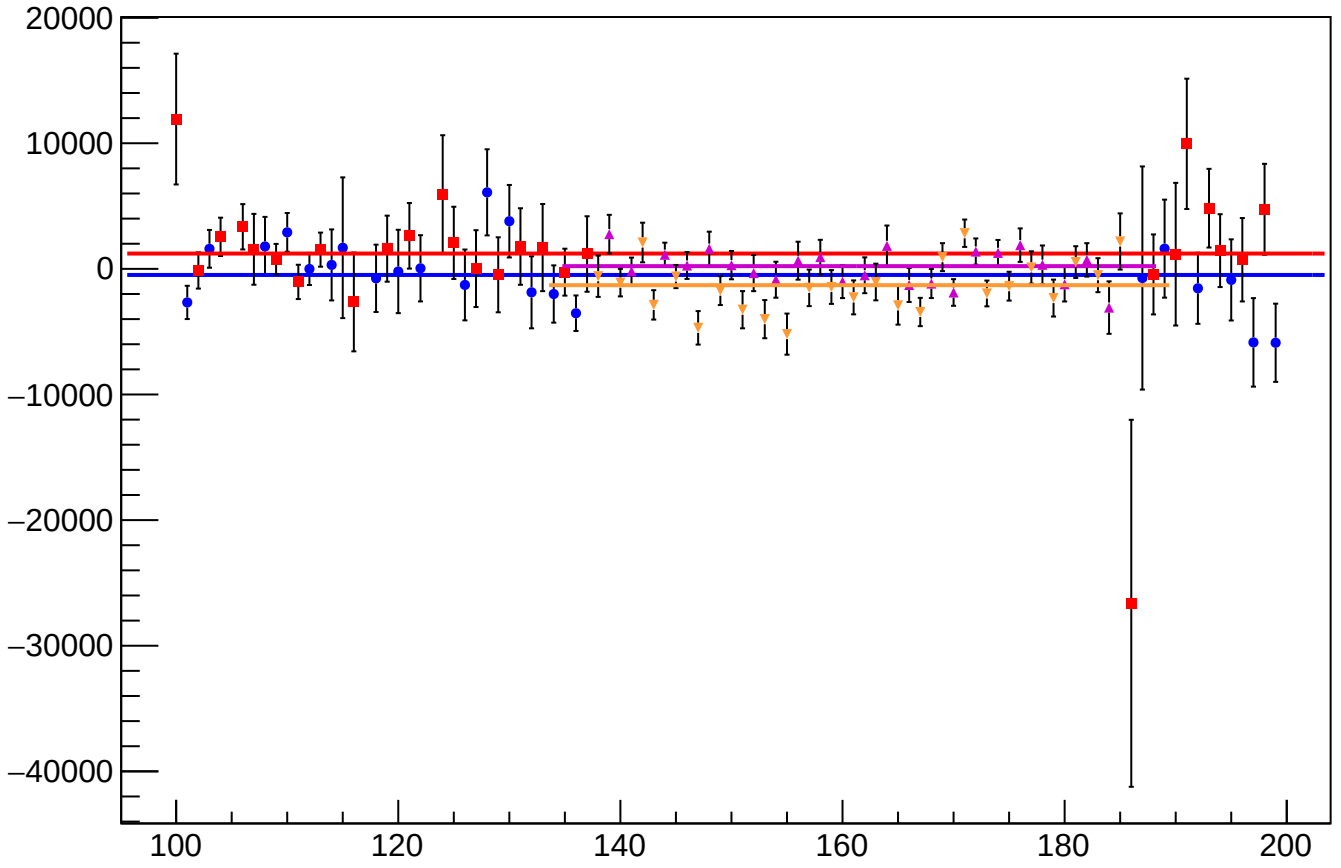
Left: 166.457+/-0.020 χ^2/NDF: 3112355.5/47

Right: 165.426+/-0.025 χ^2/NDF: 3703422.1/48

In: 166.373+/-0.022 χ^2/NDF:2851545.5/44

Out: 165.760+/-0.022 χ^2/NDF:3964892.0/51

All: 166.056+/-0.016 χ^2/NDF: 6816828.2/96



Right In: -484.112+/-477.514 χ^2/NDF: 27.9/21

Left Out: -1298.333+/-256.961 χ^2/NDF:55.1/24

Right Out: 1219.356+/-445.760 χ^2/NDF: 22.7/26

Left In: 217.285+/-264.388 χ^2/NDF:22.2/22

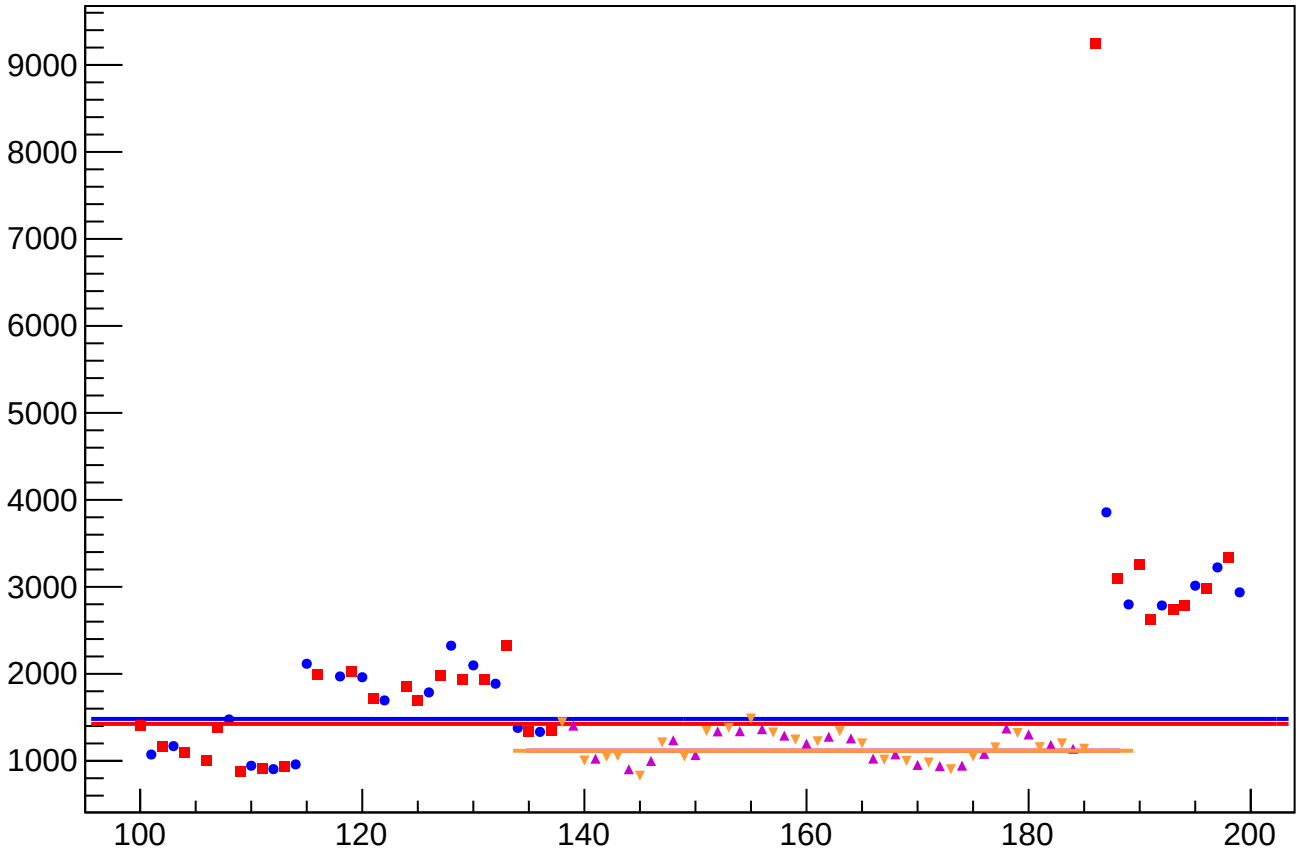
Left: -562.110+/-184.269 χ^2/NDF: 94.2/47

Right: 426.139+/-325.848 χ^2/NDF: 57.5/48

In: 52.716+/-231.301 χ^2/NDF:51.8/44

Out: -670.372+/-222.621 χ^2/NDF:101.8/51

All: -322.650+/-160.398 χ^2/NDF: 158.7/96



Right In: 1481.993+/-0.338 χ^2/NDF: 3616926.0/21

Left Out: 1116.034+/-0.182 χ^2/NDF:867489.3/24

Right Out: 1424.867+/-0.315 χ^2/NDF: 4987416.0/26

Left In: 1117.831+/-0.187 χ^2/NDF:729387.1/22

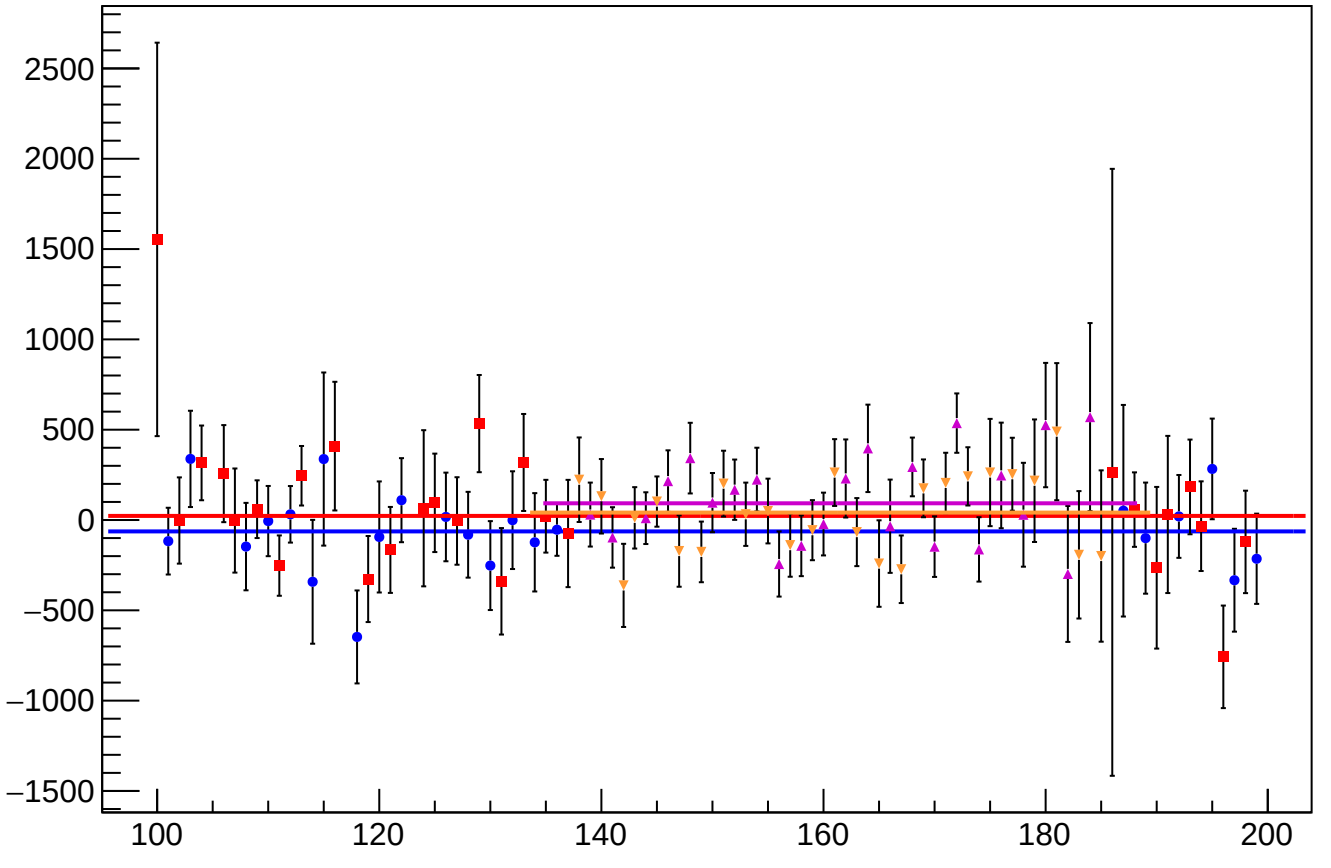
Left: 1116.907+/-0.130 χ^2/NDF: 1596924.0/47

Right: 1451.468+/-0.230 χ^2/NDF: 8619636.9/48

In: 1203.274+/-0.164 χ^2/NDF:5236576.1/44

Out: 1193.063+/-0.157 χ^2/NDF:6575471.6/51

All: 1197.973+/-0.113 χ^2/NDF: 11814071.4/9



Right In: -63.097+/-51.003 χ^2/NDF: 13.8/21

Left Out: 41.088+/-39.177 χ^2/NDF:22.3/24

Right Out: 22.703+/-48.594 χ^2/NDF: 28.5/26

Left In: 92.556+/-40.165 χ^2/NDF:29.5/22

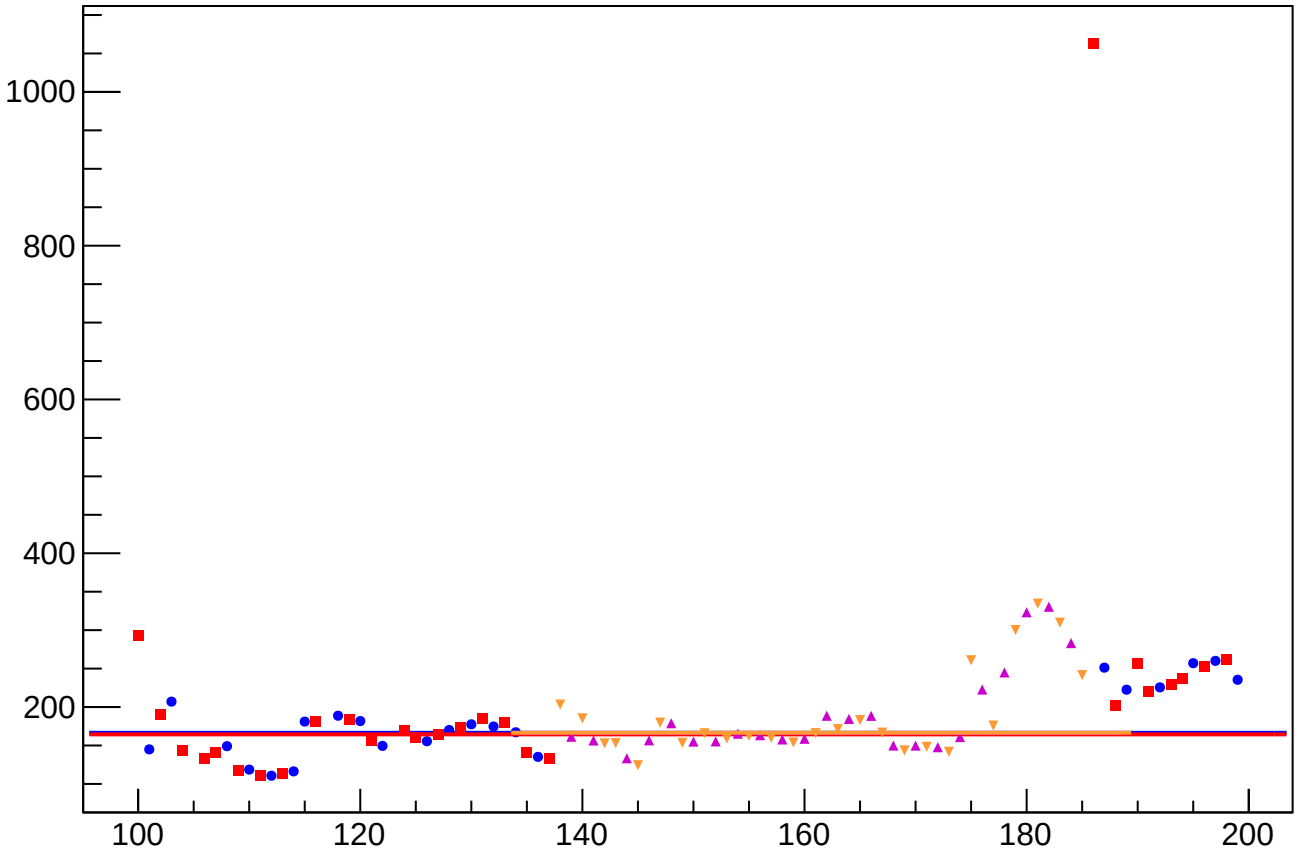
Left: 66.181+/-28.045 χ^2/NDF: 52.7/47

Right: -18.123+/-35.182 χ^2/NDF: 43.8/48

In: 32.975+/-31.555 χ^2/NDF:49.1/44

Out: 33.846+/-30.500 χ^2/NDF:50.9/51

All: 33.425+/-21.930 χ^2/NDF: 100.0/96



Right In: 166.479+/-0.036 χ^2/NDF: 1459058.9/21

Left Out: 166.599+/-0.028 χ^2/NDF:1719829.4/24

Right Out: 164.470+/-0.034 χ^2/NDF: 2242731.3/26

Left In: 166.308+/-0.028 χ^2/NDF:1392446.1/22

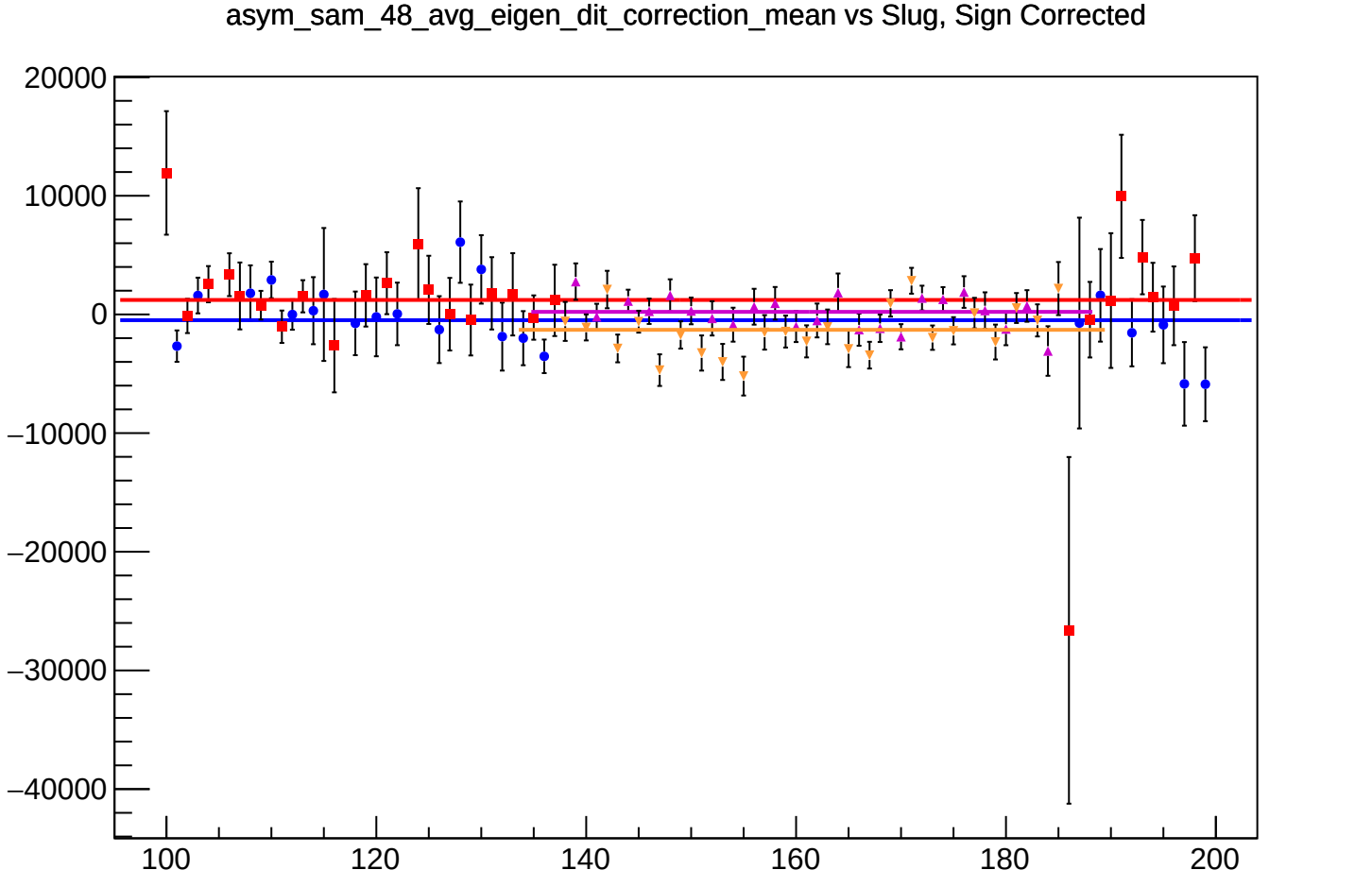
Left: 166.457+/-0.020 χ^2/NDF: 3112329.1/47

Right: 165.426+/-0.025 χ^2/NDF: 3703416.2/48

In: 166.374+/-0.022 χ^2/NDF:2851518.8/44

Out: 165.760+/-0.022 χ^2/NDF:3964887.0/51

All: 166.056+/-0.016 χ^2/NDF: 6816796.5/96



Right In: -484.111+/-477.513 χ^2/NDF: 27.9/21

Left Out: -1298.330+/-256.961 χ^2/NDF:55.1/24

Right Out: 1219.355+/-445.760 χ^2/NDF: 22.7/26

Left In: 217.283+/-264.388 χ^2/NDF:22.2/22

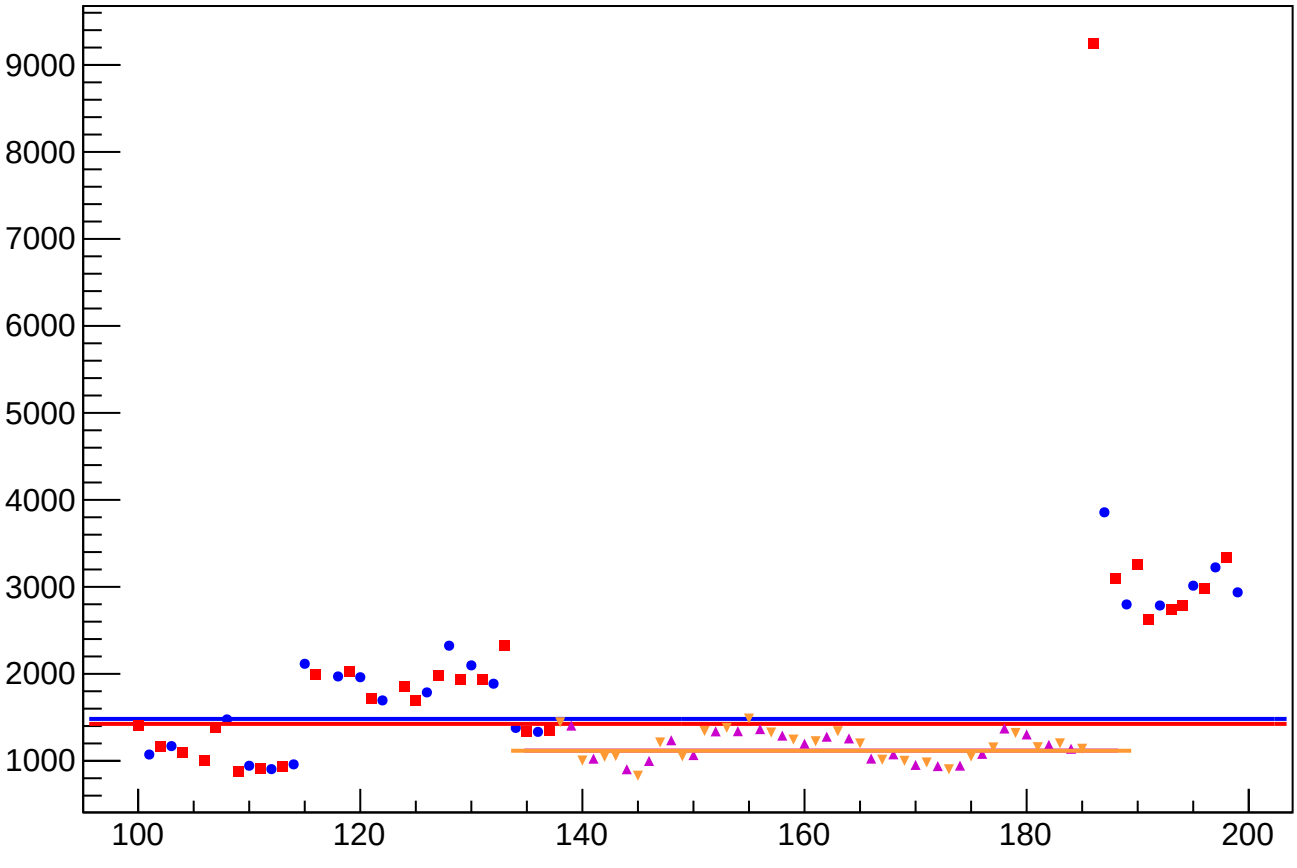
Left: -562.109+/-184.268 χ^2/NDF: 94.2/47

Right: 426.138+/-325.847 χ^2/NDF: 57.5/48

In: 52.715+/-231.301 χ^2/NDF:51.8/44

Out: -670.371+/-222.621 χ^2/NDF:101.8/51

All: -322.650+/-160.397 χ^2/NDF: 158.7/96



Right In: 1481.991+/-0.338 χ^2/NDF: 3616928.8/21

Left Out: 1116.032+/-0.182 χ^2/NDF:867491.2/24

Right Out: 1424.866+/-0.315 χ^2/NDF: 4987415.5/26

Left In: 1117.829+/-0.187 χ^2/NDF:729386.0/22

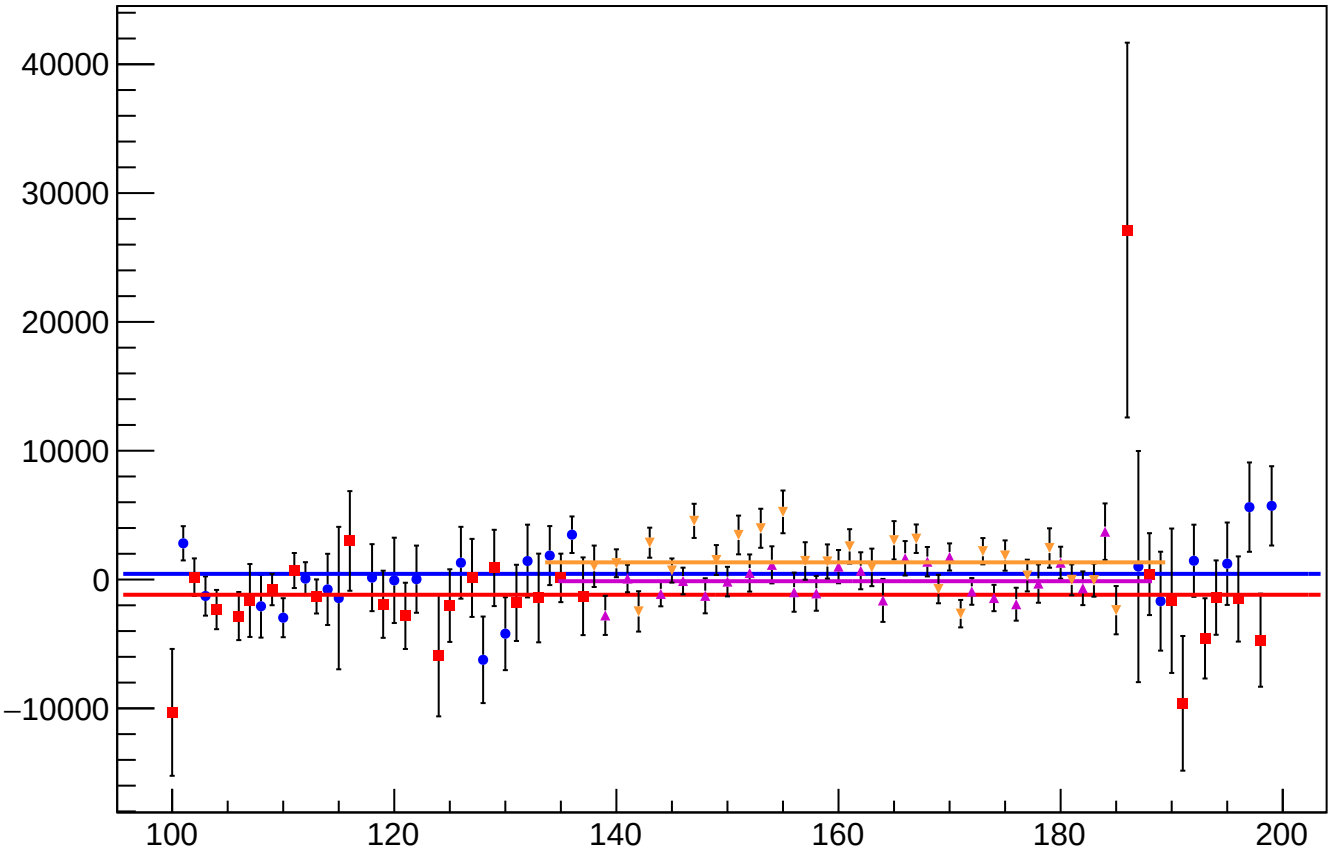
Left: 1116.905+/-0.130 χ^2/NDF: 1596924.8/47

Right: 1451.466+/-0.230 χ^2/NDF: 8619639.2/48

In: 1203.273+/-0.164 χ^2/NDF:5236581.4/44

Out: 1193.061+/-0.157 χ^2/NDF:6575477.0/51

All: 1197.971+/-0.113 χ^2/NDF: 11814082.0/9



Right In: 440.996+/-476.011 χ^2/NDF: 28.5/21

Left Out: 1334.704+/-254.187 χ^2/NDF:55.7/24

Right Out: -1181.133+/-444.915 χ^2/NDF: 20.5/26

Left In: -128.368+/-261.415 χ^2/NDF:24.0/22

Left: 623.675+/-182.239 χ^2/NDF: 95.8/47

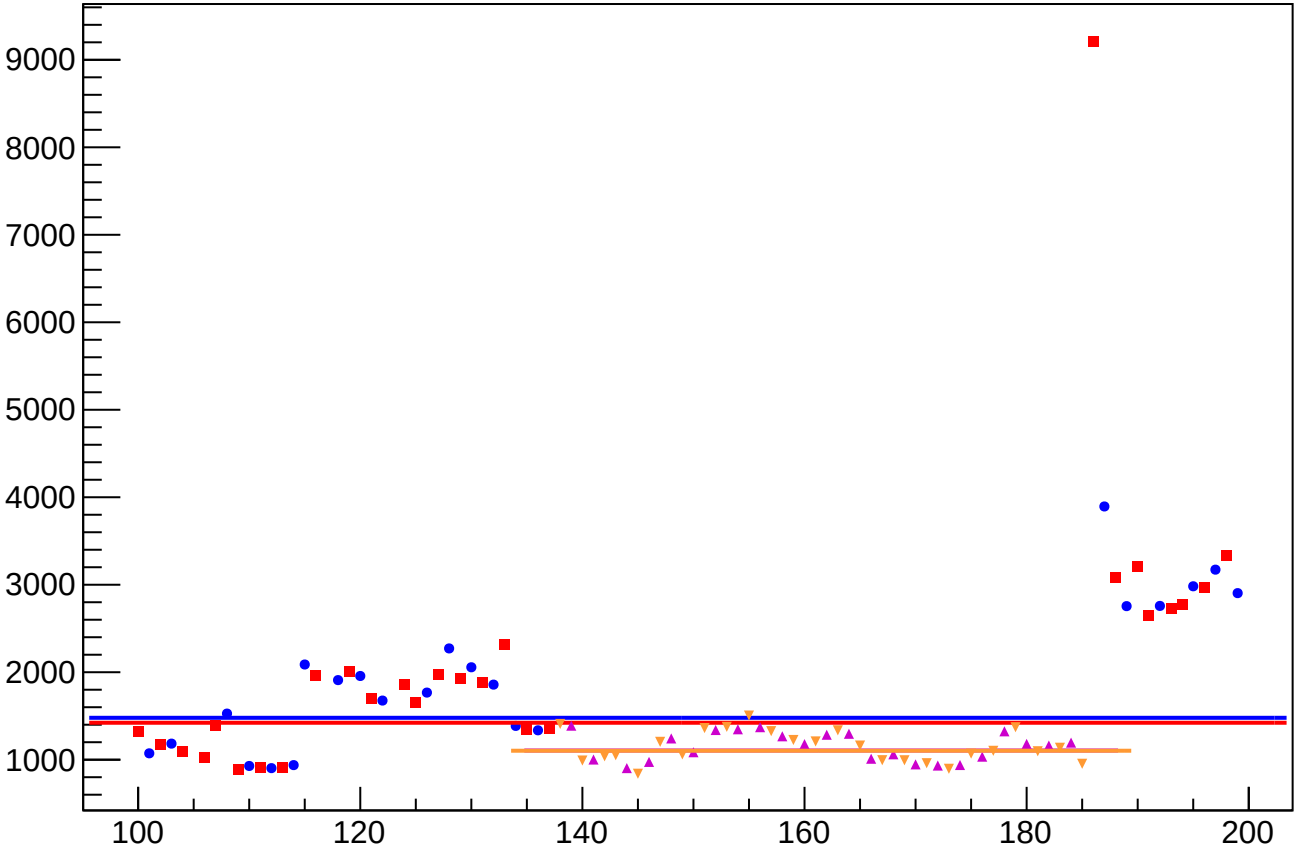
Right: -424.779+/-325.040 χ^2/NDF: 55.2/48

In: 3.561+/-229.136 χ^2/NDF:53.6/44

Out: 715.605+/-220.707 χ^2/NDF:100.2/51

All: 372.921+/-158.960 χ^2/NDF: 158.9/96

asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 1479.150+/-0.337 χ^2/NDF: 3547497.6/21

Left Out: 1102.700+/-0.180 χ^2/NDF:880468.6/24

Right Out: 1422.546+/-0.315 χ^2/NDF: 4939432.4/26

Left In: 1105.200+/-0.185 χ^2/NDF:723304.5/22

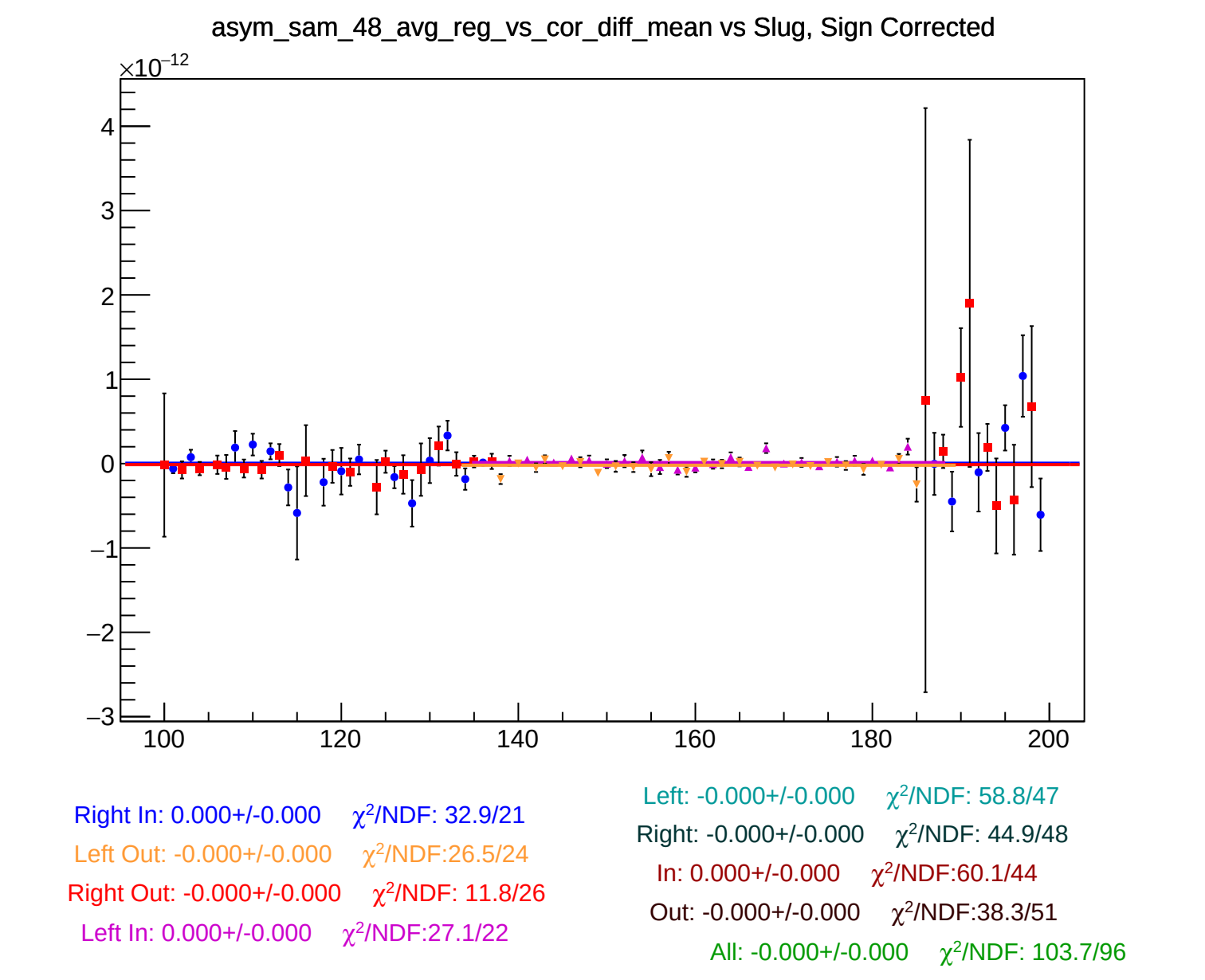
Left: 1103.915+/-0.129 χ^2/NDF: 1603867.1/47

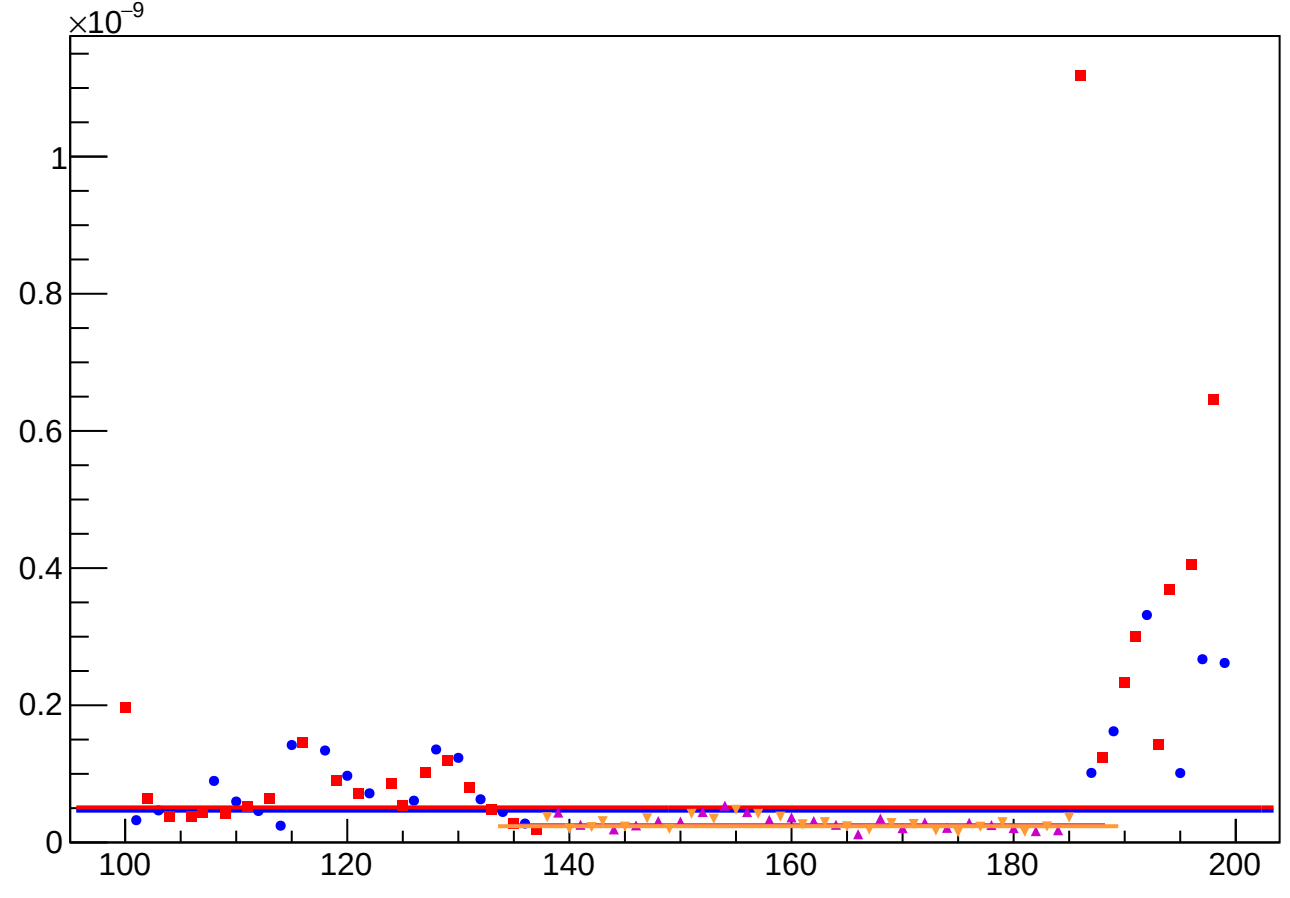
Right: 1448.939+/-0.230 χ^2/NDF: 8502024.2/48

In: 1191.849+/-0.162 χ^2/NDF:5219105.3/44

Out: 1181.408+/-0.156 χ^2/NDF:6599161.0/51

All: 1186.433+/-0.112 χ^2/NDF: 11820420.4/9


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: 32.9/21
Left Out: -0.000+/-0.000 χ²/NDF:26.5/24
Right Out: -0.000+/-0.000 χ²/NDF: 11.8/26
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: 44.9/48
In: 0.000+/-0.000 χ²/NDF:60.1/44
Out: -0.000+/-0.000 χ²/NDF:38.3/51
All: -0.000+/-0.000 χ²/NDF: 103.7/96



Right In: 0.000+/-0.000 χ^2/NDF: 3398309.2/21

Left Out: 0.000+/-0.000 χ^2/NDF:1433511.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4082892.4/26

Left In: 0.000+/-0.000 χ^2/NDF:1544727.7/22

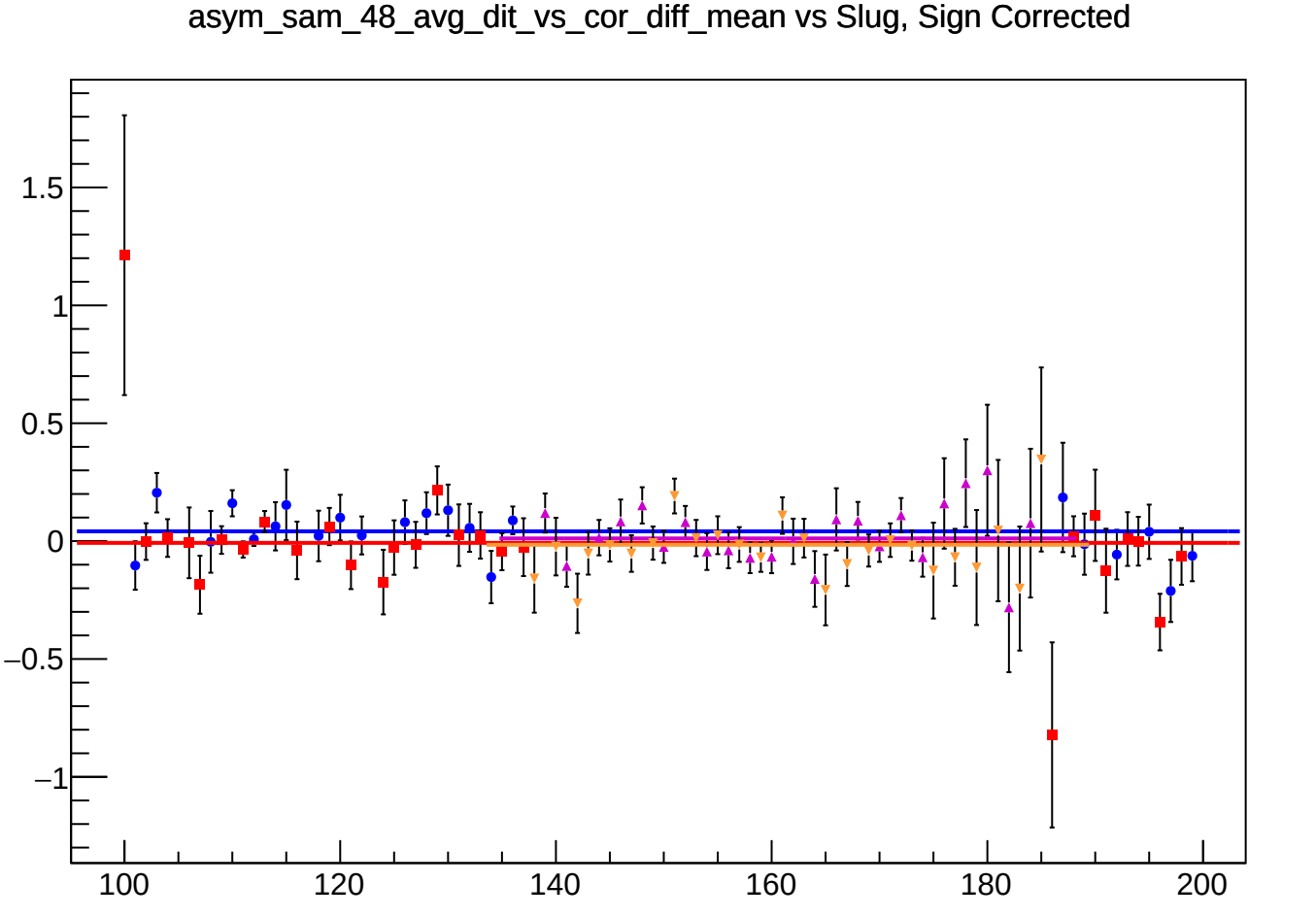
Left: 0.000+/-0.000 χ^2/NDF: 2998078.9/47

Right: 0.000+/-0.000 χ^2/NDF: 7511388.6/48

In: 0.000+/-0.000 χ^2/NDF:6080895.7/44

Out: 0.000+/-0.000 χ^2/NDF:7217589.9/51

All: 0.000+/-0.000 χ^2/NDF: 13325067.8/96



Right In: 0.042+/-0.017 χ^2/NDF: 24.4/21

Left Out: -0.016+/-0.018 χ^2/NDF:21.6/24

Right Out: -0.007+/-0.017 χ^2/NDF: 32.8/26

Left In: 0.011+/-0.018 χ^2/NDF:23.3/22

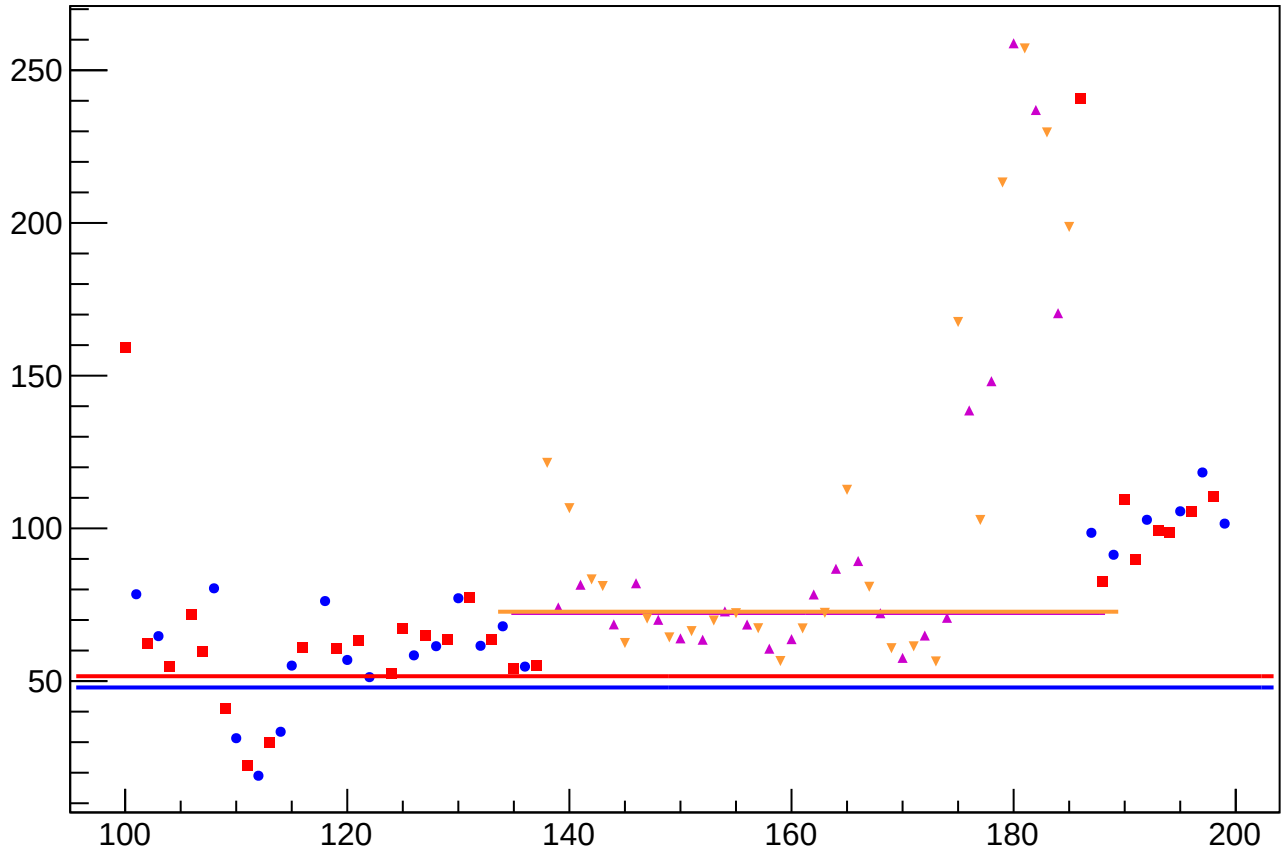
Left: -0.002+/-0.013 χ^2/NDF: 46.1/47

Right: 0.017+/-0.012 χ^2/NDF: 61.5/48

In: 0.028+/-0.012 χ^2/NDF:49.2/44

Out: -0.011+/-0.012 χ^2/NDF:54.5/51

All: 0.008+/-0.009 χ^2/NDF: 108.7/96



Right In: 47.910+/-0.012 χ^2/NDF: 5648347.0/21

Left Out: 72.715+/-0.013 χ^2/NDF:3961158.6/24

Right Out: 51.591+/-0.012 χ^2/NDF: 5079185.9/26

Left In: 72.298+/-0.013 χ^2/NDF:2790214.3/22

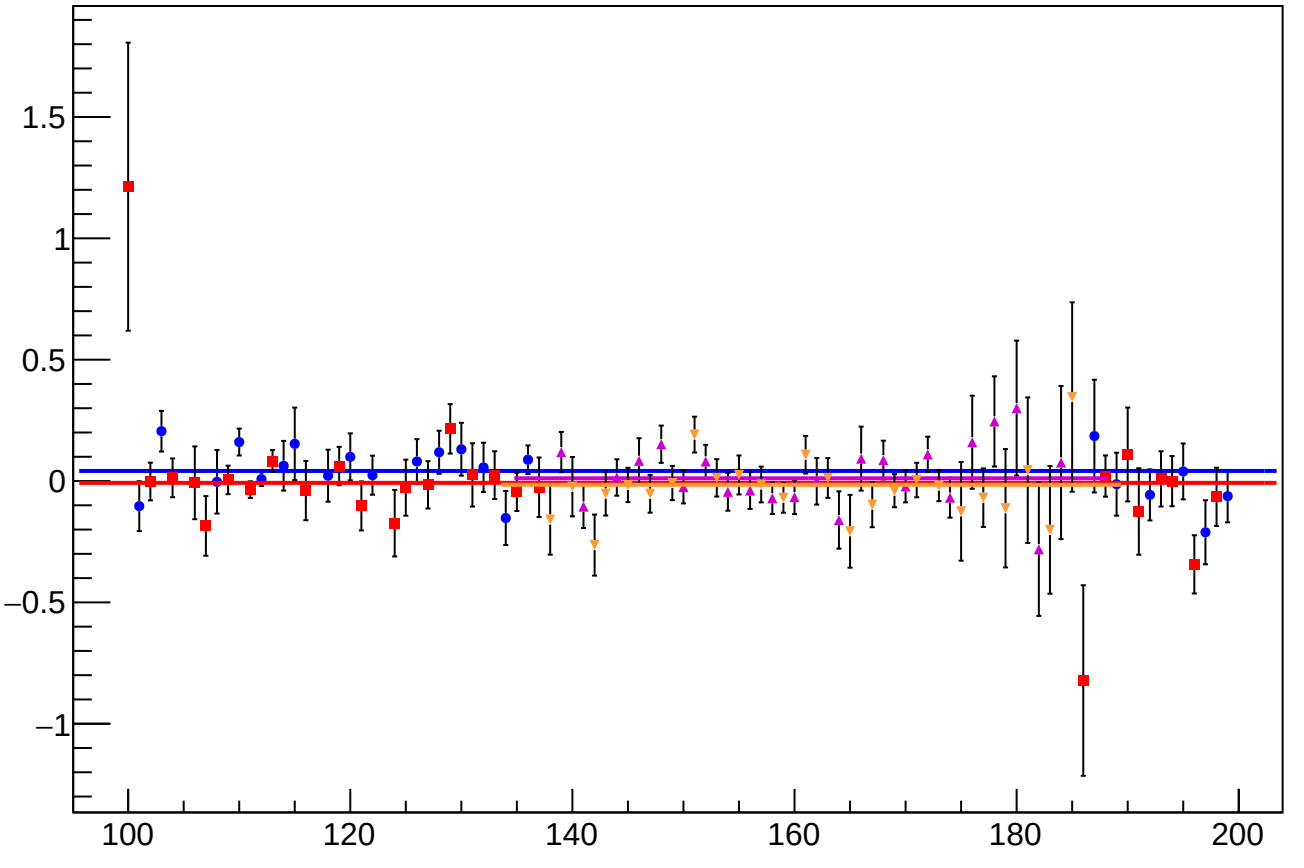
Left: 72.510+/-0.009 χ^2/NDF: 6751905.2/47

Right: 49.768+/-0.008 χ^2/NDF: 10776165.1/48

In: 59.076+/-0.009 χ^2/NDF:10373880.3/44

Out: 61.329+/-0.009 χ^2/NDF:10531501.4/51

All: 60.217+/-0.006 χ^2/NDF: 20939080.8/96



Right In: 0.042+/-0.017 χ^2/NDF: 24.4/21

Left Out: -0.016+/-0.018 χ^2/NDF:21.6/24

Right Out: -0.007+/-0.017 χ^2/NDF: 32.8/26

Left In: 0.011+/-0.018 χ^2/NDF:23.3/22

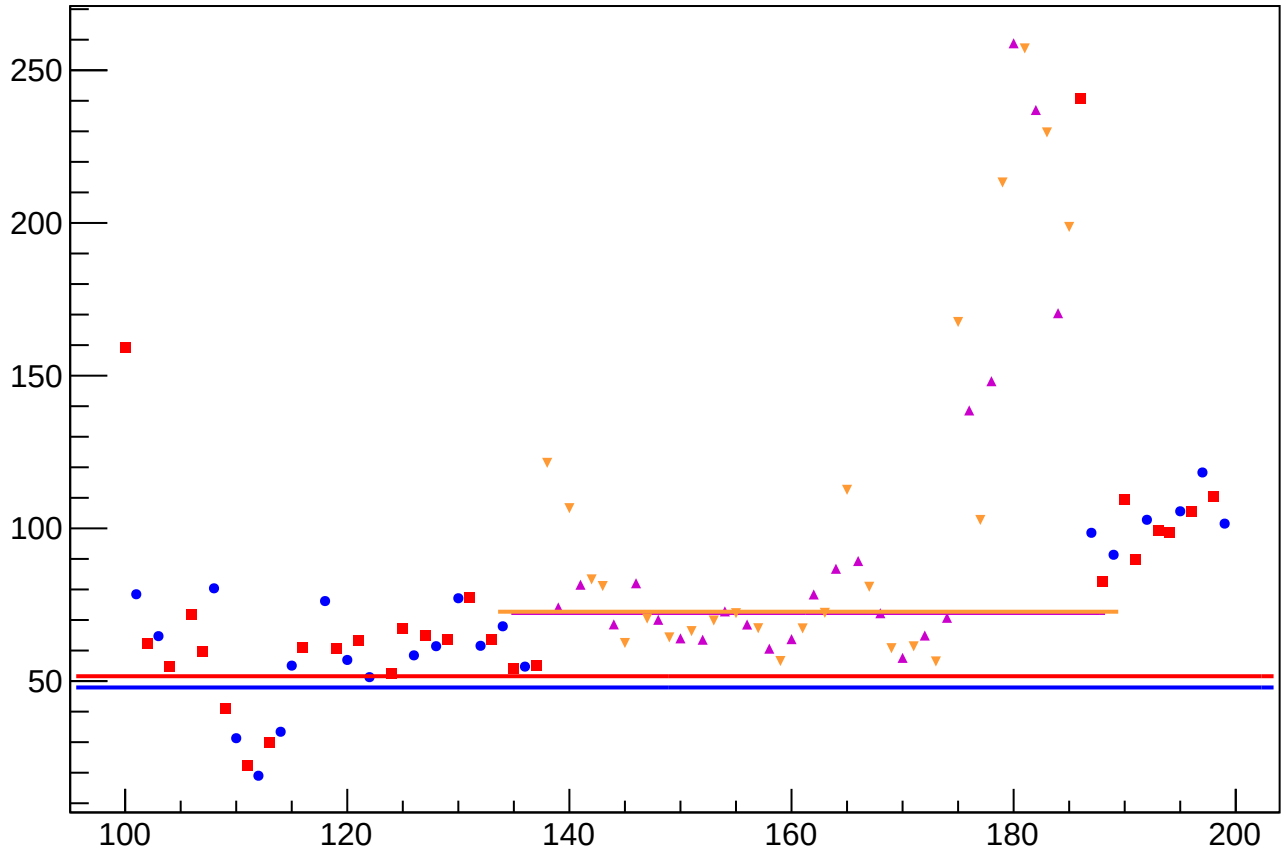
Left: -0.002+/-0.013 χ^2/NDF: 46.1/47

Right: 0.017+/-0.012 χ^2/NDF: 61.5/48

In: 0.028+/-0.012 χ^2/NDF:49.2/44

Out: -0.011+/-0.012 χ^2/NDF:54.5/51

All: 0.008+/-0.009 χ^2/NDF: 108.7/96



Right In: 47.910+/-0.012 χ^2/NDF: 5648347.0/21

Left Out: 72.715+/-0.013 χ^2/NDF:3961158.6/24

Right Out: 51.591+/-0.012 χ^2/NDF: 5079185.9/26

Left In: 72.298+/-0.013 χ^2/NDF:2790214.3/22

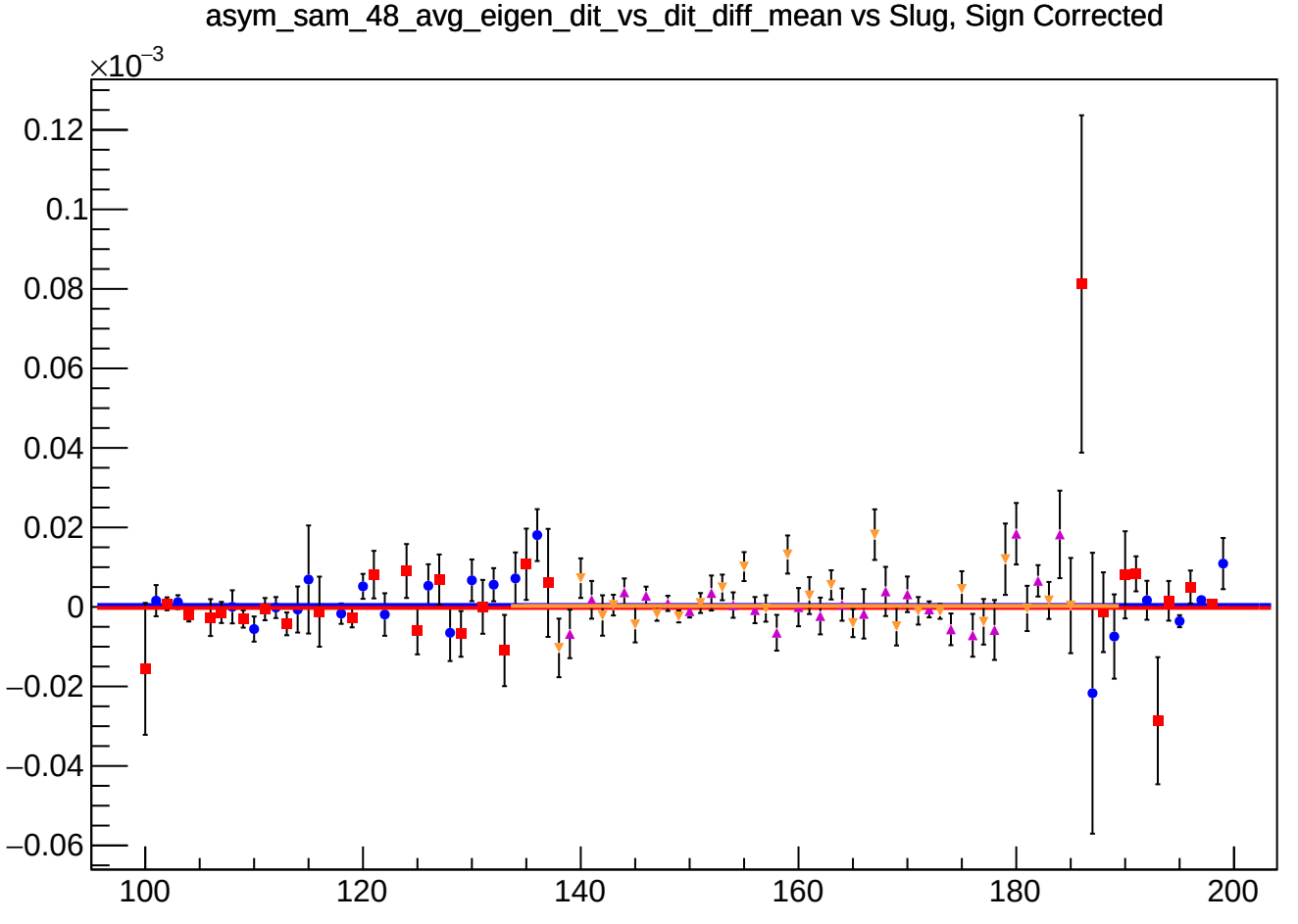
Left: 72.510+/-0.009 χ^2/NDF: 6751905.2/47

Right: 49.768+/-0.008 χ^2/NDF: 10776165.1/48

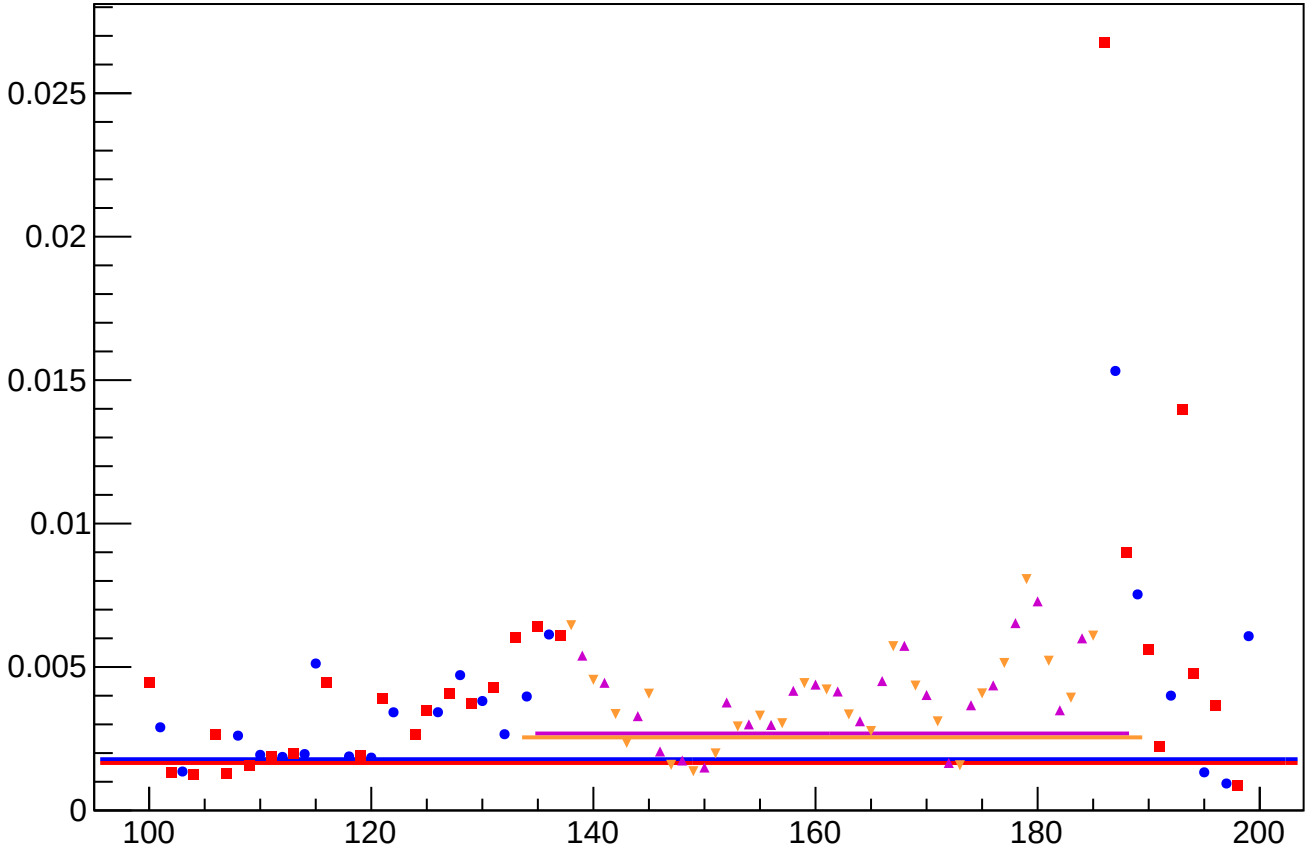
In: 59.076+/-0.009 χ^2/NDF:10373880.3/44

Out: 61.329+/-0.009 χ^2/NDF:10531501.4/51

All: 60.217+/-0.006 χ^2/NDF: 20939080.8/96


asym_sam_48_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.12
0.1
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 32.2/21
Left Out: 0.000+/-0.000 χ²/NDF:43.4/24
Right Out: -0.000+/-0.000 χ²/NDF: 31.4/26
Left In: 0.000+/-0.000 χ²/NDF:24.1/22
Left: 0.000+/-0.000 χ²/NDF: 67.4/47
Right: 0.000+/-0.000 χ²/NDF: 64.3/48
In: 0.000+/-0.000 χ²/NDF:56.4/44
Out: -0.000+/-0.000 χ²/NDF:75.1/51
All: 0.000+/-0.000 χ²/NDF: 131.8/96

asym_sam_48_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 6006488.9/21

Left Out: 0.003+/-0.000 χ^2/NDF:7499900.9/24

Right Out: 0.002+/-0.000 χ^2/NDF: 8955194.8/26

Left In: 0.003+/-0.000 χ^2/NDF:6504235.2/22

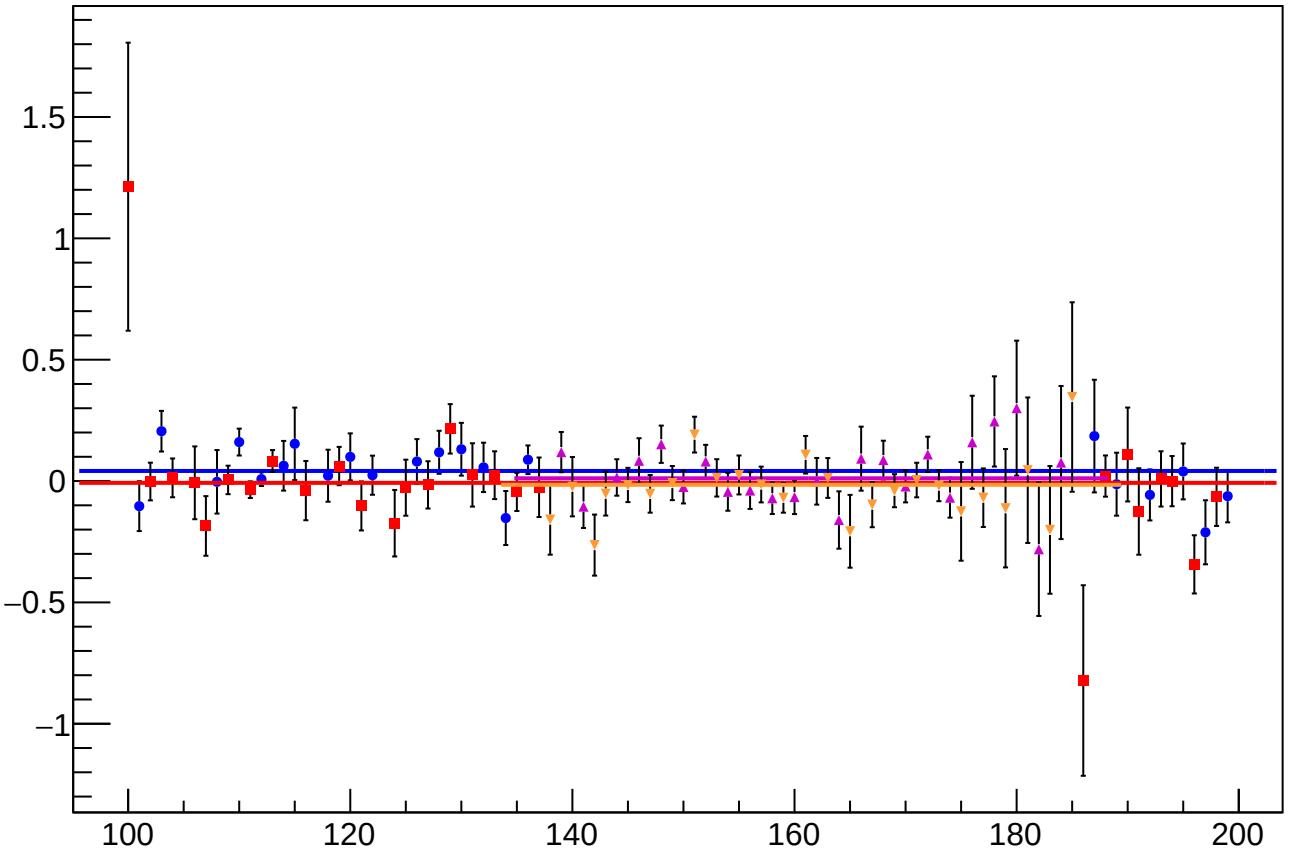
Left: 0.003+/-0.000 χ^2/NDF: 14042947.3/47

Right: 0.002+/-0.000 χ^2/NDF: 15005258.0/48

In: 0.002+/-0.000 χ^2/NDF:14259003.3/44

Out: 0.002+/-0.000 χ^2/NDF:18499542.6/51

All: 0.002+/-0.000 χ^2/NDF: 32848394.4/96



Right In: 0.042+/-0.017 χ^2/NDF: 24.4/21

Left Out: -0.016+/-0.018 χ^2/NDF:21.6/24

Right Out: -0.007+/-0.017 χ^2/NDF: 32.8/26

Left In: 0.011+/-0.018 χ^2/NDF:23.3/22

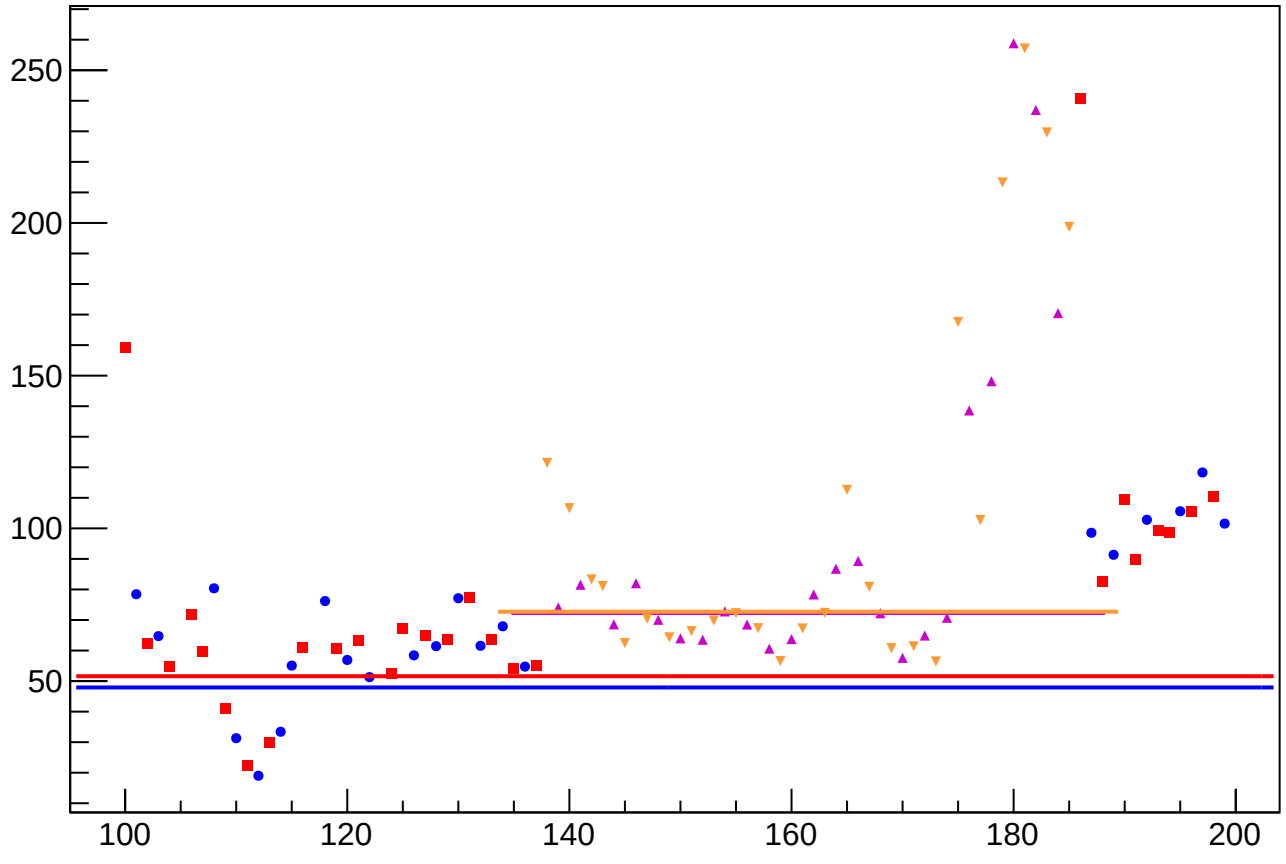
Left: -0.002+/-0.013 χ^2/NDF: 46.1/47

Right: 0.017+/-0.012 χ^2/NDF: 61.5/48

In: 0.028+/-0.012 χ^2/NDF:49.2/44

Out: -0.011+/-0.012 χ^2/NDF:54.5/51

All: 0.008+/-0.009 χ^2/NDF: 108.7/96



Right In: 47.909+/-0.012 χ^2/NDF: 5648555.3/21

Left Out: 72.716+/-0.013 χ^2/NDF:3961100.5/24

Right Out: 51.590+/-0.012 χ^2/NDF: 5079432.6/26

Left In: 72.298+/-0.013 χ^2/NDF:2790146.5/22

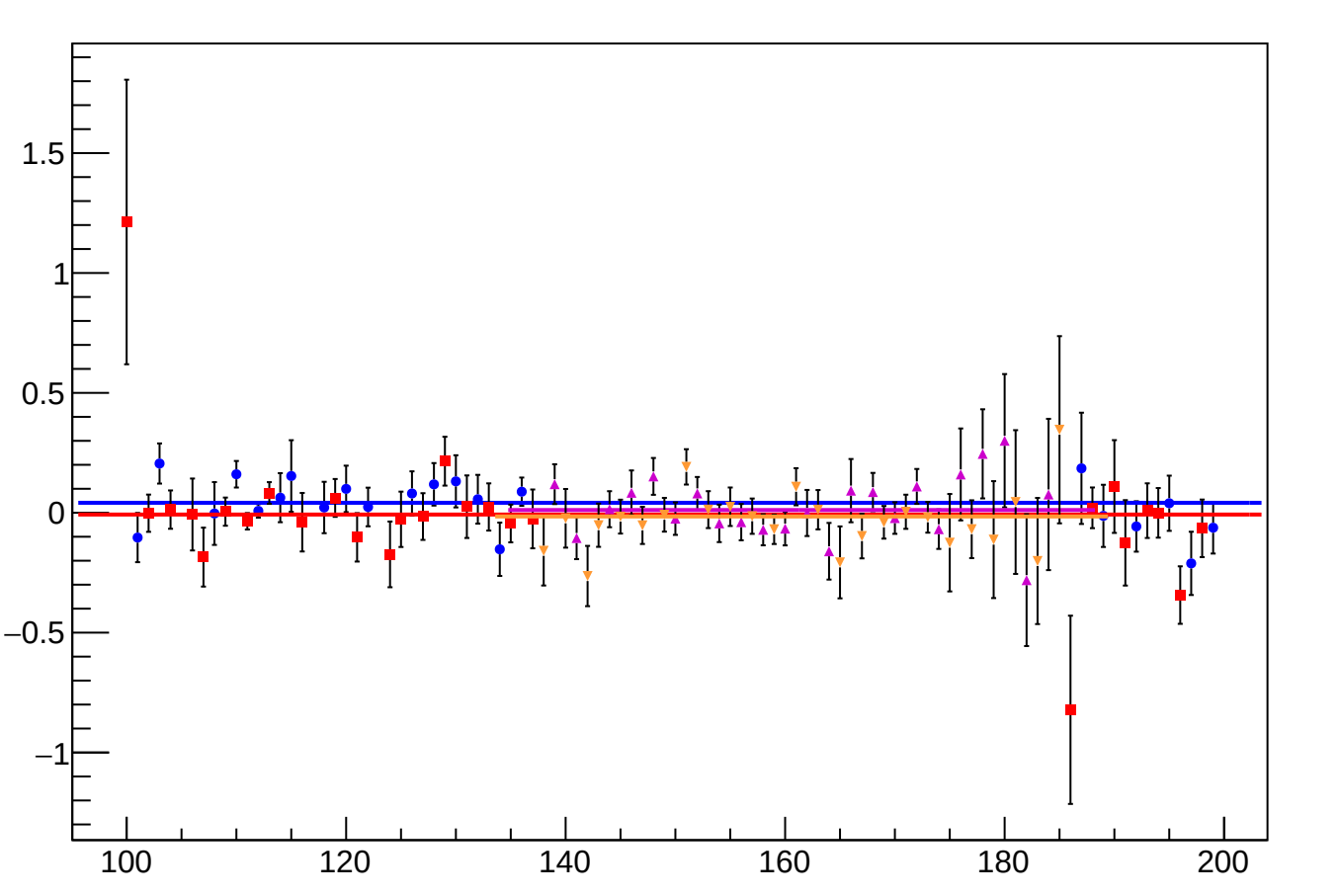
Left: 72.510+/-0.009 χ^2/NDF: 6751779.3/47

Right: 49.767+/-0.008 χ^2/NDF: 10776622.9/48

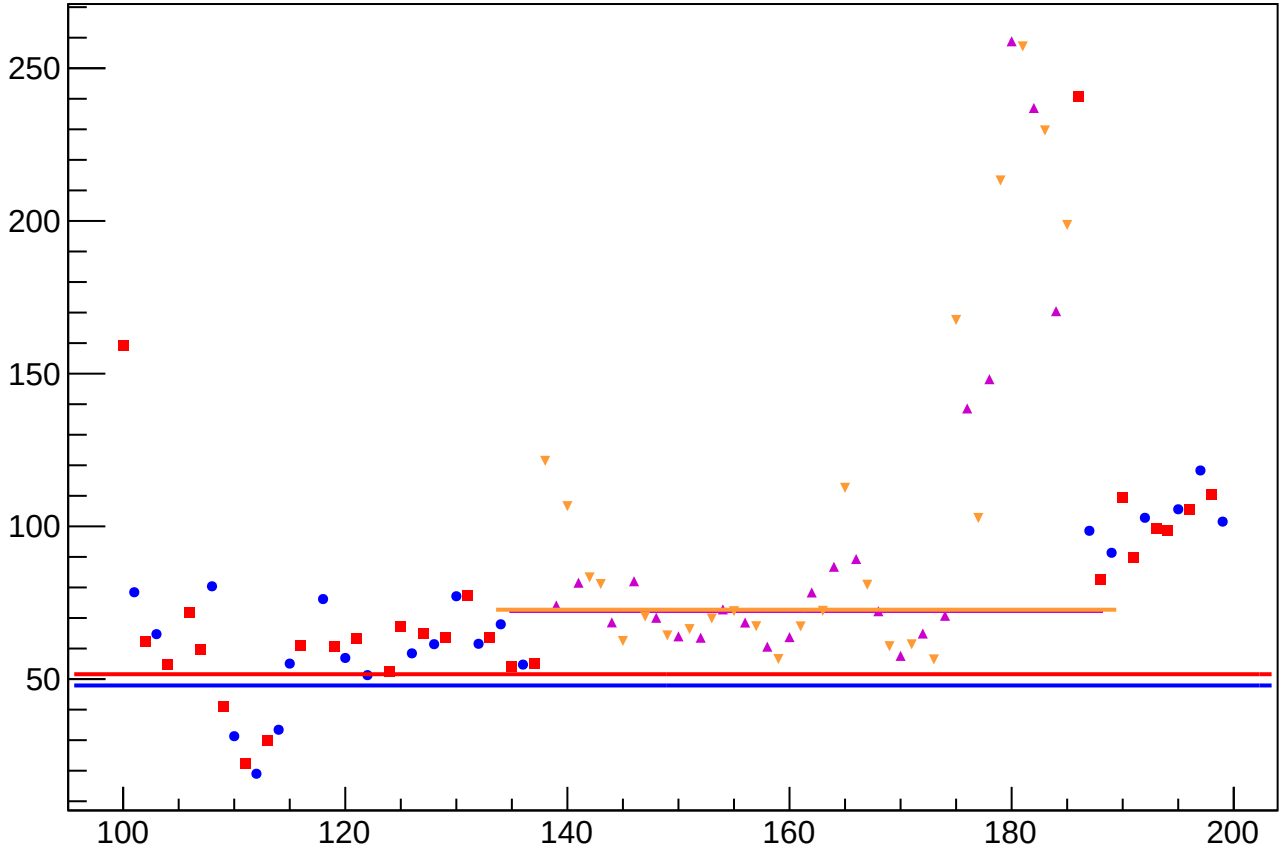
In: 59.075+/-0.009 χ^2/NDF:10374284.3/44

Out: 61.328+/-0.009 χ^2/NDF:10531913.7/51

All: 60.216+/-0.006 χ^2/NDF: 20939900.5/96


asym_sam_48_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
1.5
1
0.5
0
−0.5
−1
100
120
140
160
180
200
Right In: 0.042+/-0.017 χ²/NDF: 24.4/21
Left Out: -0.016+/-0.018 χ²/NDF:21.6/24
Right Out: -0.007+/-0.017 χ²/NDF: 32.8/26
Left In: 0.011+/-0.018 χ²/NDF:23.3/22
Left: -0.002+/-0.013 χ²/NDF: 46.1/47
Right: 0.017+/-0.012 χ²/NDF: 61.5/48
In: 0.028+/-0.012 χ²/NDF:49.2/44
Out: -0.011+/-0.012 χ²/NDF:54.5/51
All: 0.008+/-0.009 χ²/NDF: 108.7/96

asym_sam_48_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 47.909+/-0.012 χ^2/NDF: 5648555.3/21

Left Out: 72.716+/-0.013 χ^2/NDF:3961100.5/24

Right Out: 51.590+/-0.012 χ^2/NDF: 5079432.6/26

Left In: 72.298+/-0.013 χ^2/NDF:2790146.5/22

Left: 72.510+/-0.009 χ^2/NDF: 6751779.3/47

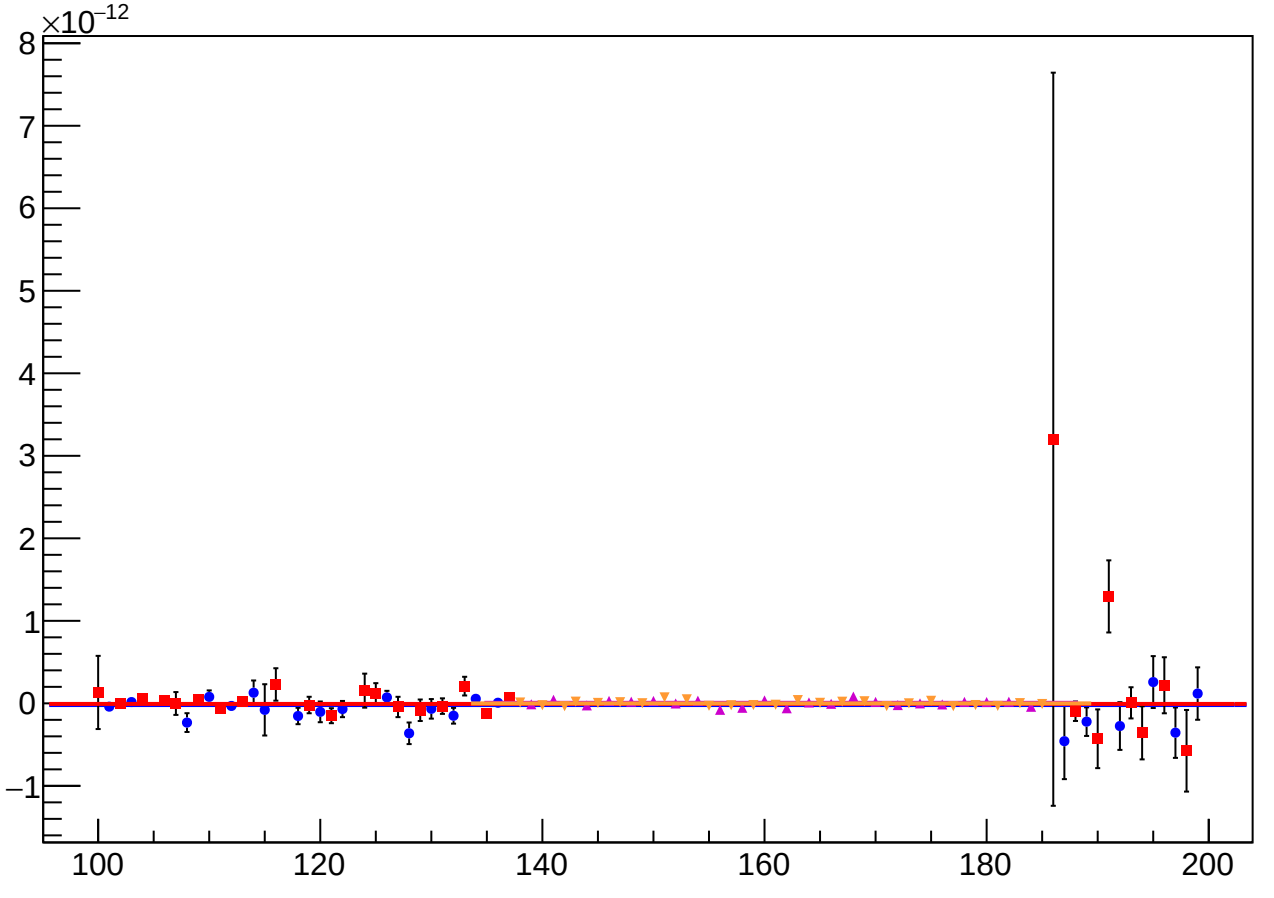
Right: 49.767+/-0.008 χ^2/NDF: 10776622.9/48

In: 59.075+/-0.009 χ^2/NDF:10374284.3/44

Out: 61.328+/-0.009 χ^2/NDF:10531913.7/51

All: 60.216+/-0.006 χ^2/NDF: 20939900.5/96

asym_sam_48_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 28.2/21

Left Out: -0.000+/-0.000 χ^2/NDF:27.9/24

Right Out: -0.000+/-0.000 χ^2/NDF: 37.6/26

Left In: 0.000+/-0.000 χ^2/NDF:38.3/22

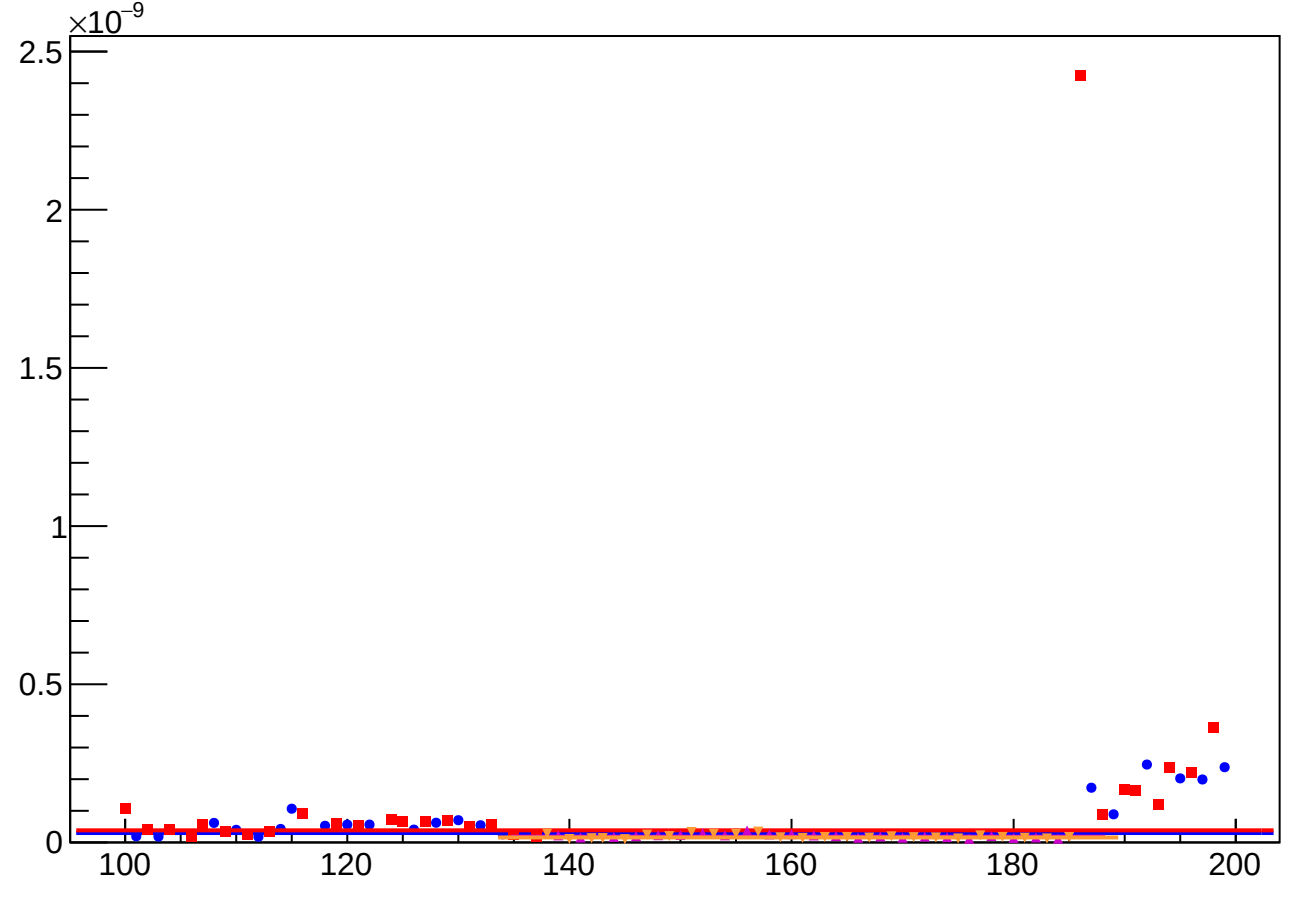
Left: 0.000+/-0.000 χ^2/NDF: 67.2/47

Right: -0.000+/-0.000 χ^2/NDF: 66.2/48

In: 0.000+/-0.000 χ^2/NDF:69.6/44

Out: -0.000+/-0.000 χ^2/NDF:65.7/51

All: 0.000+/-0.000 χ^2/NDF: 135.7/96



Right In: 0.000+/-0.000 χ^2/NDF: 5473021.6/21

Left Out: 0.000+/-0.000 χ^2/NDF:2331257.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5710979.9/26

Left In: 0.000+/-0.000 χ^2/NDF:1621439.8/22

Left: 0.000+/-0.000 χ^2/NDF: 4185951.3/47

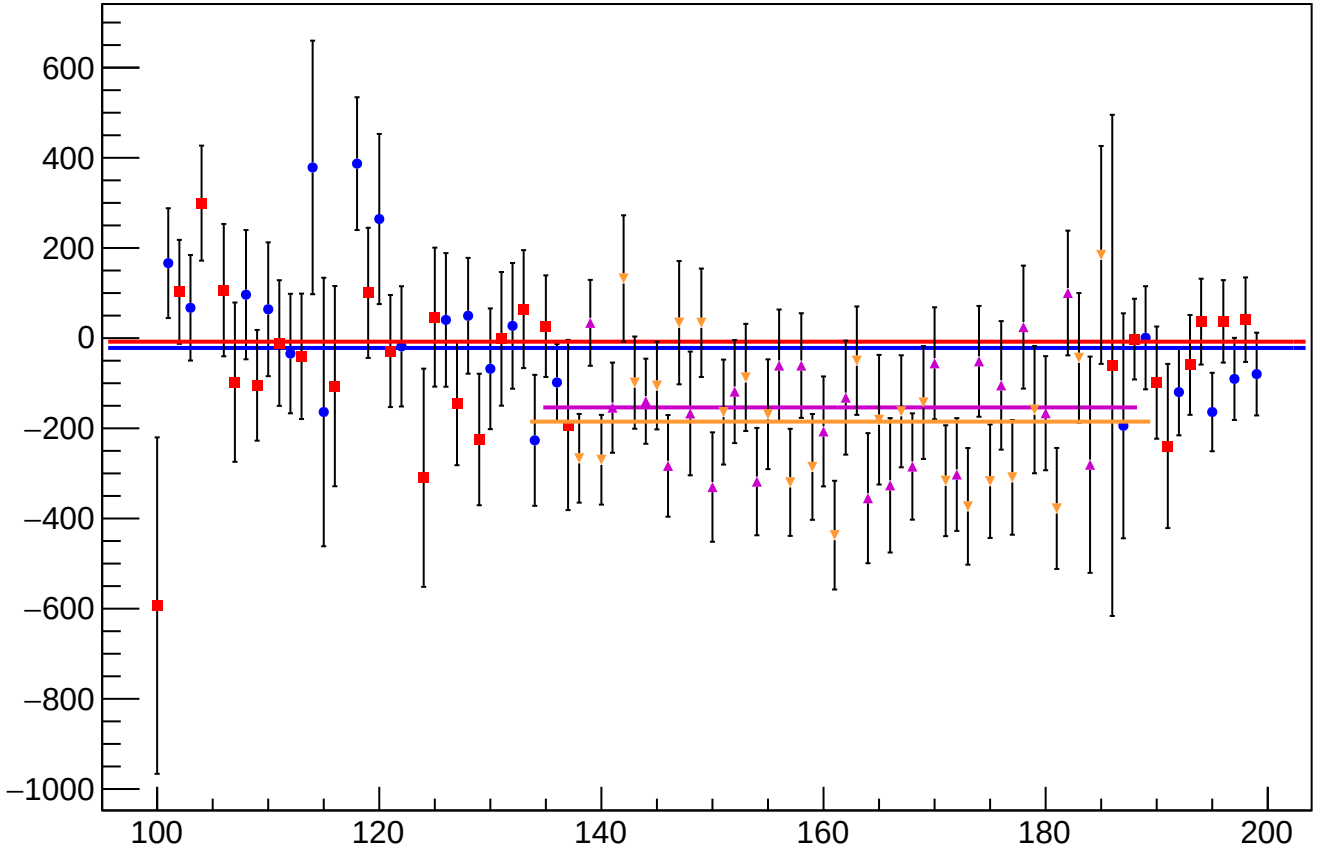
Right: 0.000+/-0.000 χ^2/NDF: 11493719.7/48

In: 0.000+/-0.000 χ^2/NDF:8255174.7/44

Out: 0.000+/-0.000 χ^2/NDF:11534886.1/51

All: 0.000+/-0.000 χ^2/NDF: 19984248.4/96

reg_asym_sam_15_dd_mean vs Slug, Sign Corrected



Right In: -21.762+/-26.572 χ^2/NDF: 25.0/21

Left Out: -185.146+/-24.452 χ^2/NDF:33.1/24

Right Out: -7.825+/-25.454 χ^2/NDF: 20.9/26

Left In: -153.627+/-25.538 χ^2/NDF:23.5/22

Left: -170.071+/-17.662 χ^2/NDF: 57.4/47

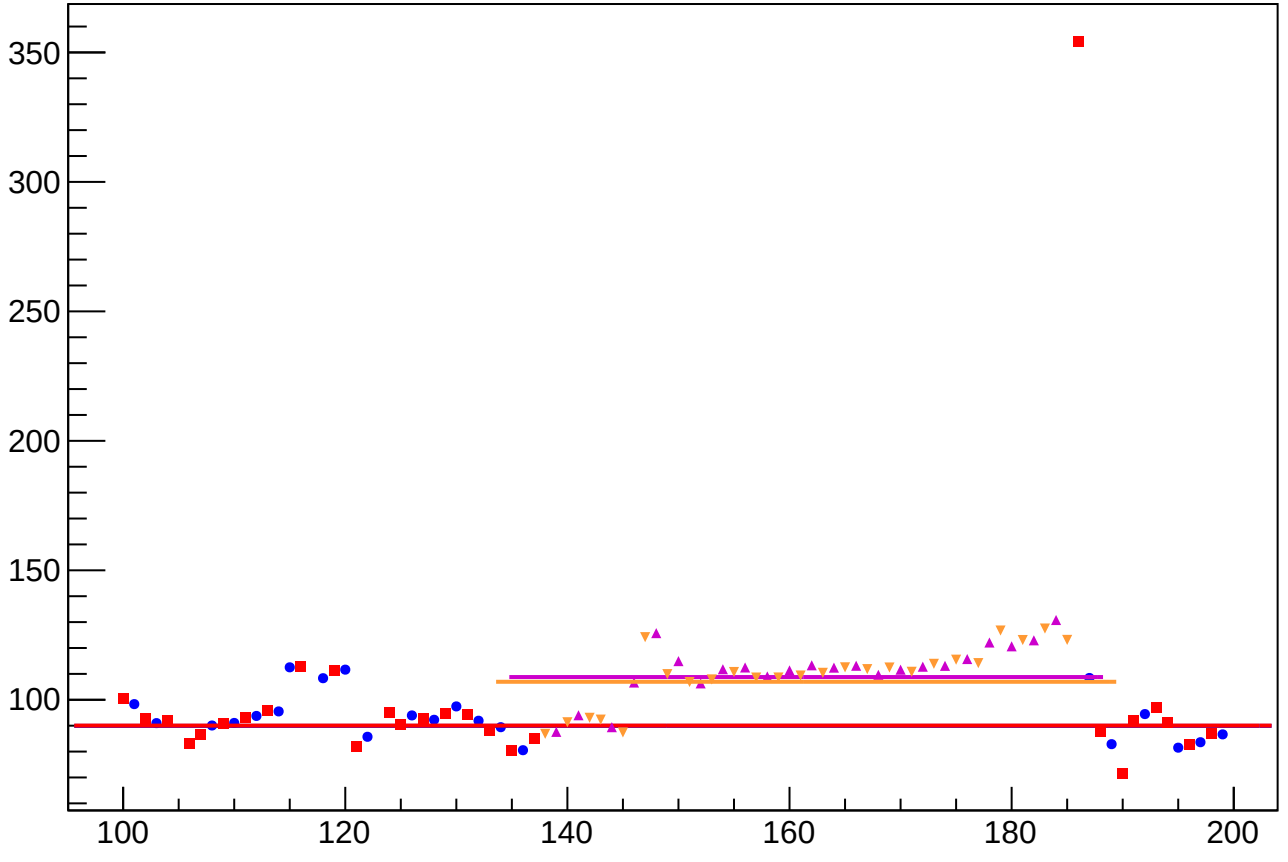
Right: -14.494+/-18.381 χ^2/NDF: 46.0/48

In: -90.309+/-18.413 χ^2/NDF:61.3/44

Out: -100.043+/-17.634 χ^2/NDF:79.2/51

All: -95.387+/-12.735 χ^2/NDF: 140.6/96

reg_asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 89.923+/-0.019 χ^2/NDF: 170621.2/21

Left Out: 106.954+/-0.017 χ^2/NDF:464271.3/24

Right Out: 90.033+/-0.018 χ^2/NDF: 629092.9/26

Left In: 108.781+/-0.018 χ^2/NDF:358436.3/22

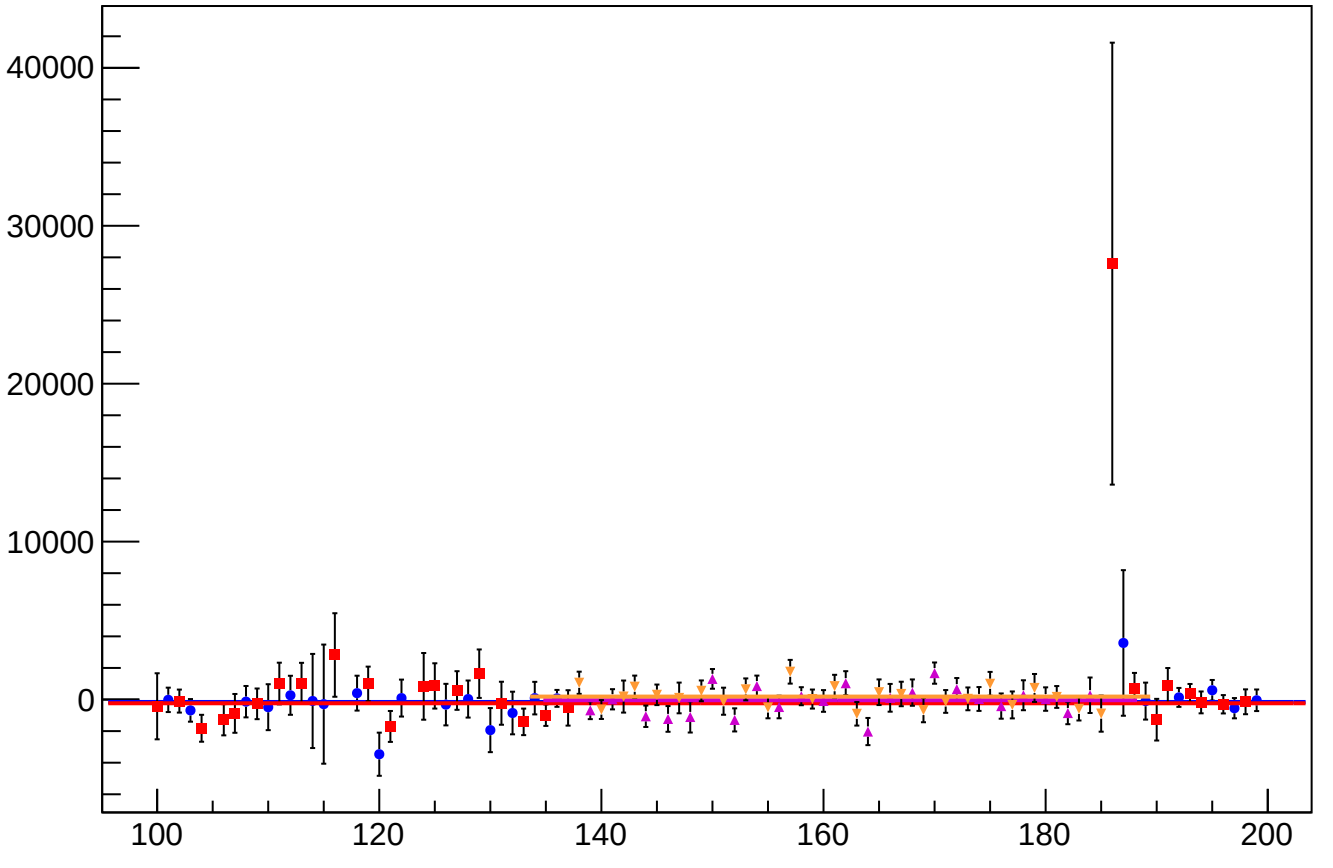
Left: 107.828+/-0.012 χ^2/NDF: 828045.2/47

Right: 89.980+/-0.013 χ^2/NDF: 799732.1/48

In: 99.726+/-0.013 χ^2/NDF:1052702.9/44

Out: 98.833+/-0.012 χ^2/NDF:1553014.4/51

All: 99.260+/-0.009 χ^2/NDF: 2608169.0/96



Right In: -154.857+/-198.754 χ^2/NDF: 11.7/21

Left Out: 186.456+/-148.819 χ^2/NDF:19.1/24

Right Out: -237.017+/-187.865 χ^2/NDF: 25.5/26

Left In: -43.249+/-152.059 χ^2/NDF:33.7/22

Left: 74.077+/-106.358 χ^2/NDF: 53.9/47

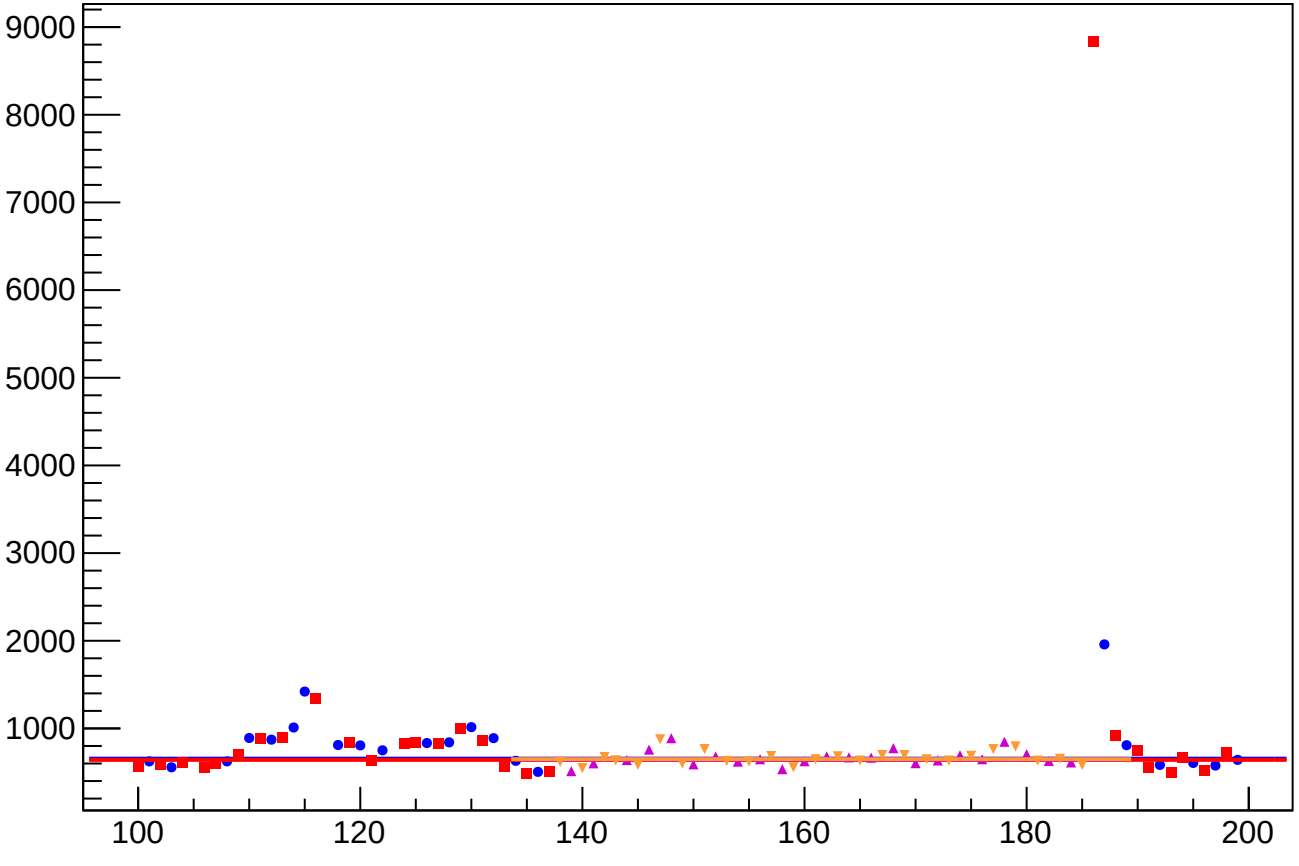
Right: -198.249+/-136.528 χ^2/NDF: 37.3/48

In: -84.456+/-120.769 χ^2/NDF:45.6/44

Out: 23.179+/-116.653 χ^2/NDF:47.7/51

All: -28.773+/-83.903 χ^2/NDF: 93.7/96

asym_sam_15_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 654.946+/-0.141 χ^2/NDF: 1049416.7/21

Left Out: 649.189+/-0.105 χ^2/NDF:418364.7/24

Right Out: 641.516+/-0.133 χ^2/NDF: 1908139.5/26

Left In: 644.072+/-0.108 χ^2/NDF:559119.9/22

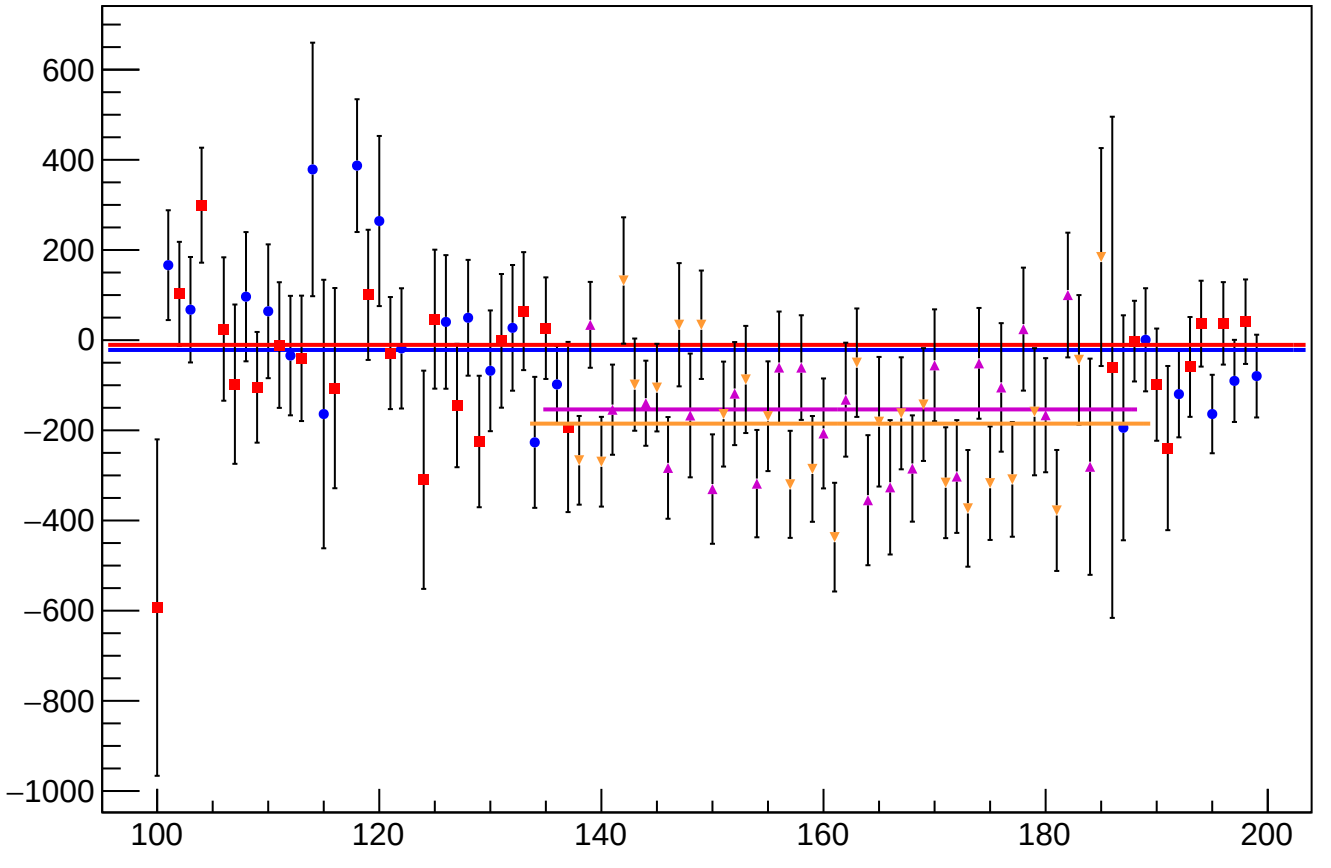
Left: 646.686+/-0.075 χ^2/NDF: 978641.3/47

Right: 647.853+/-0.097 χ^2/NDF: 2962379.1/48

In: 648.087+/-0.085 χ^2/NDF:1612313.0/44

Out: 646.231+/-0.082 χ^2/NDF:2328554.0/51

All: 647.127+/-0.059 χ^2/NDF: 3941111.4/96



Right In: -21.754+/-26.572 χ^2/NDF: 25.0/21

Left Out: -185.148+/-24.452 χ^2/NDF:33.0/24

Right Out: -10.436+/-25.511 χ^2/NDF: 20.3/26

Left In: -153.632+/-25.538 χ^2/NDF:23.5/22

Left: -170.074+/-17.662 χ^2/NDF: 57.4/47

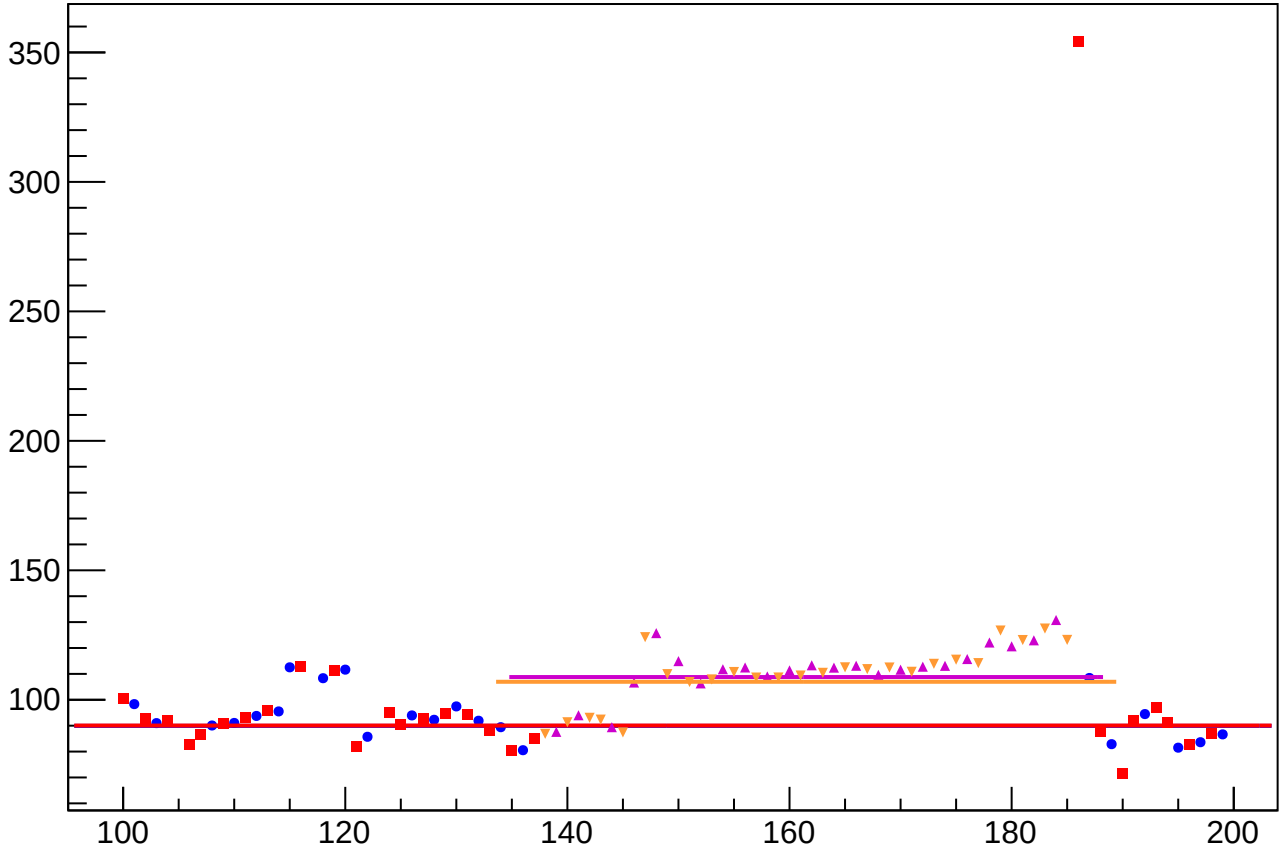
Right: -15.865+/-18.403 χ^2/NDF: 45.4/48

In: -90.309+/-18.413 χ^2/NDF:61.3/44

Out: -101.492+/-17.653 χ^2/NDF:77.8/51

All: -96.136+/-12.743 χ^2/NDF: 139.3/96

cor_asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 89.923+/-0.019 χ^2/NDF: 170621.2/21

Left Out: 106.954+/-0.017 χ^2/NDF:464271.4/24

Right Out: 90.049+/-0.018 χ^2/NDF: 629066.3/26

Left In: 108.781+/-0.018 χ^2/NDF:358436.4/22

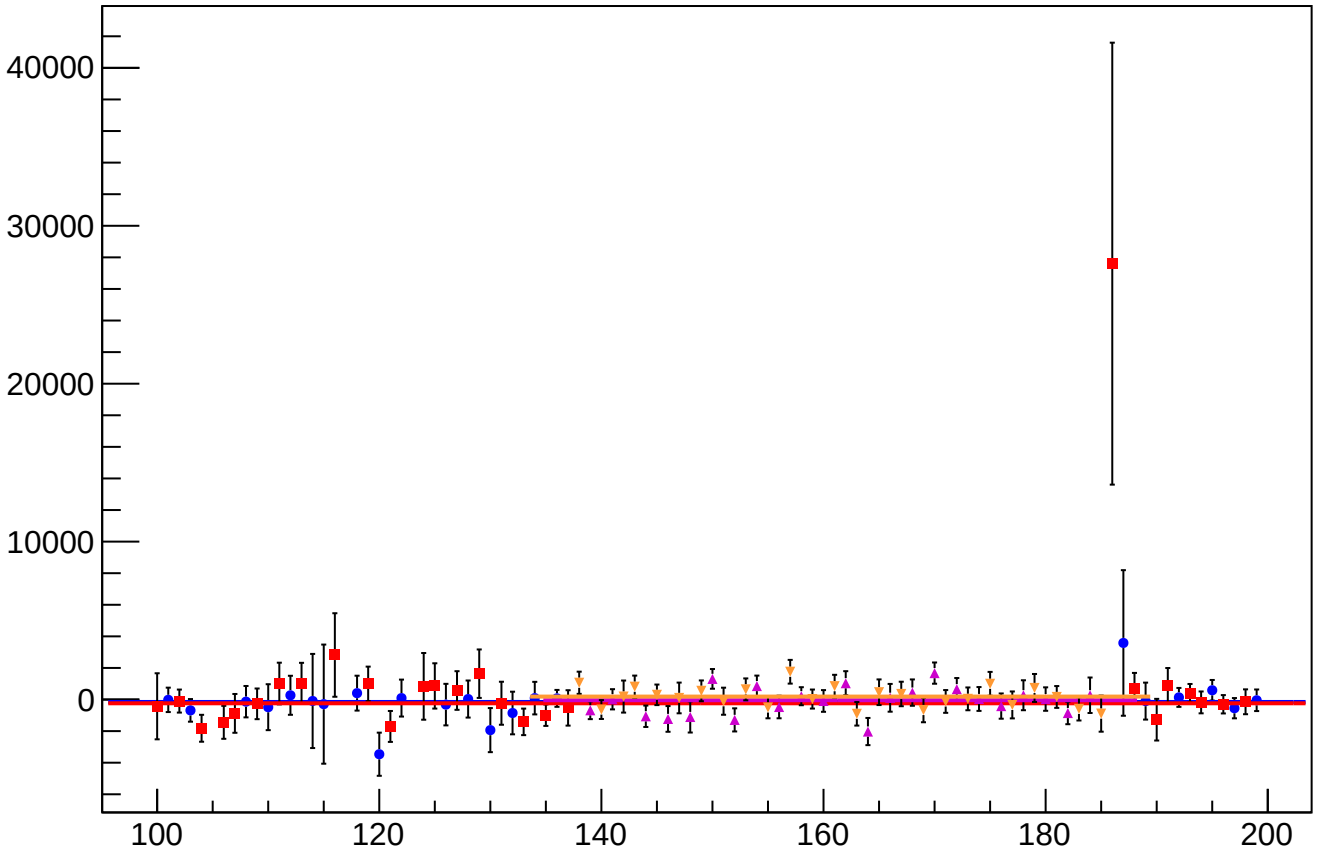
Left: 107.828+/-0.012 χ^2/NDF: 828045.3/47

Right: 89.989+/-0.013 χ^2/NDF: 799711.2/48

In: 99.726+/-0.013 χ^2/NDF:1052702.9/44

Out: 98.860+/-0.012 χ^2/NDF:1551028.2/51

All: 99.274+/-0.009 χ^2/NDF: 2606035.8/96



Right In: -154.855+/-198.754 χ^2/NDF: 11.7/21

Left Out: 186.450+/-148.819 χ^2/NDF:19.1/24

Right Out: -238.326+/-188.221 χ^2/NDF: 25.7/26

Left In: -43.251+/-152.059 χ^2/NDF:33.7/22

Left: 74.072+/-106.358 χ^2/NDF: 53.9/47

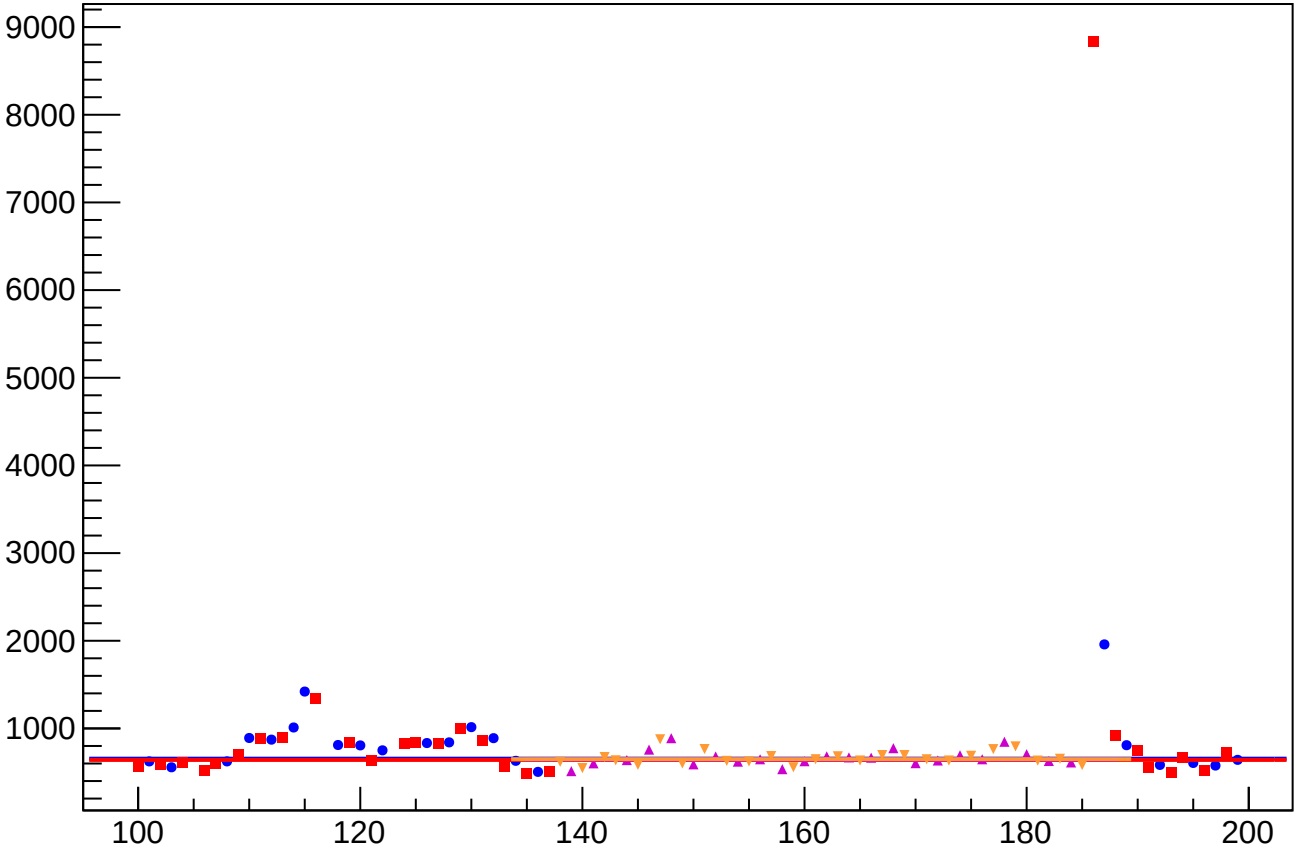
Right: -198.861+/-136.664 χ^2/NDF: 37.5/48

In: -84.456+/-120.769 χ^2/NDF:45.6/44

Out: 23.050+/-116.738 χ^2/NDF:47.9/51

All: -28.879+/-83.935 χ^2/NDF: 94.0/96

asym_sam_15_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 654.946+/-0.141 χ^2/NDF: 1049416.9/21

Left Out: 649.189+/-0.105 χ^2/NDF:418365.4/24

Right Out: 640.954+/-0.133 χ^2/NDF: 1917112.1/26

Left In: 644.072+/-0.108 χ^2/NDF:559121.0/22

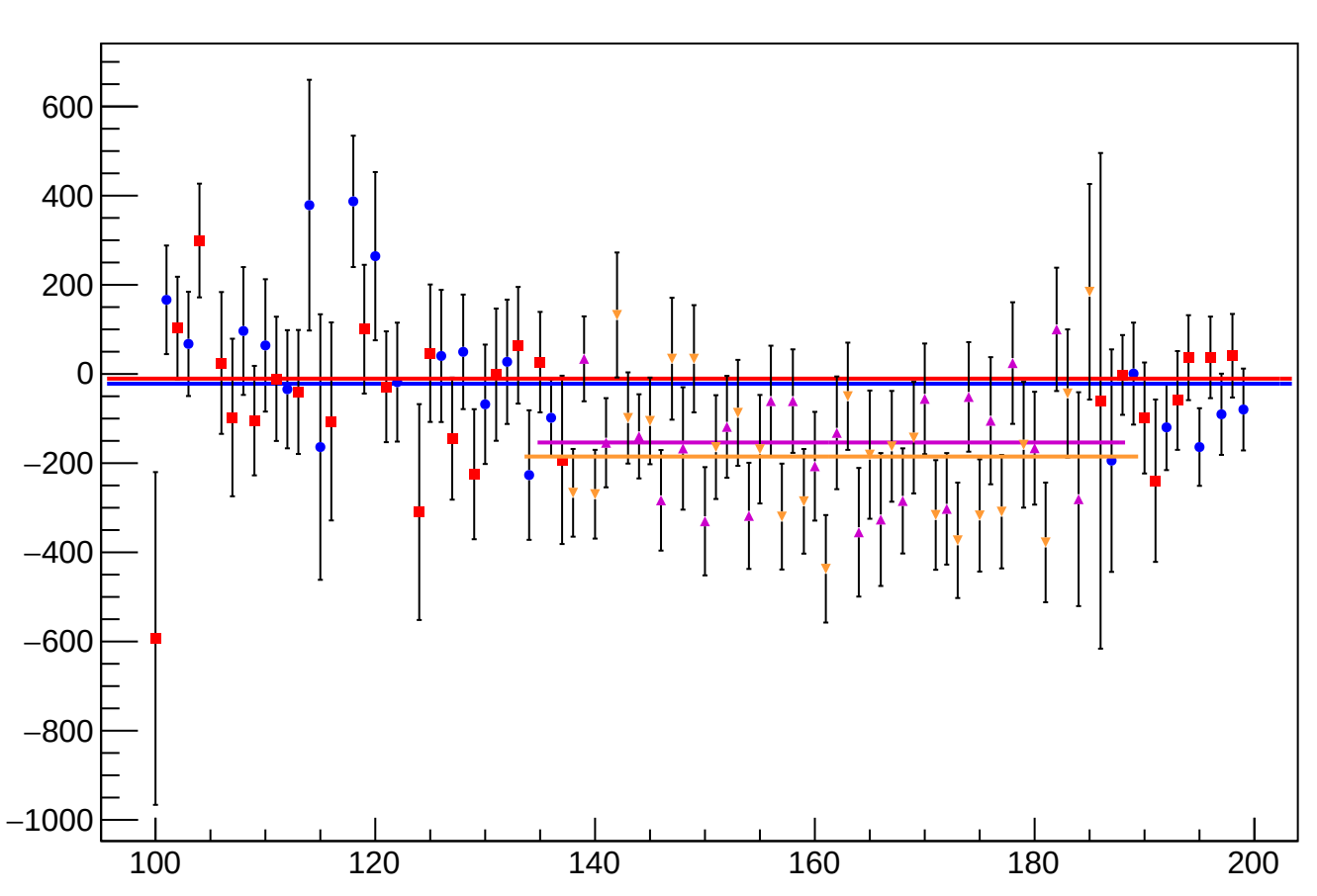
Left: 646.686+/-0.075 χ^2/NDF: 978643.1/47

Right: 647.569+/-0.097 χ^2/NDF: 2971755.0/48

In: 648.087+/-0.085 χ^2/NDF:1612314.2/44

Out: 646.021+/-0.083 χ^2/NDF:2337833.5/51

All: 647.019+/-0.059 χ^2/NDF: 3950450.2/96



Right In: -21.754+/-26.572 χ^2/NDF: 25.0/21

Left Out: -185.148+/-24.452 χ^2/NDF:33.0/24

Right Out: -10.436+/-25.511 χ^2/NDF: 20.3/26

Left In: -153.632+/-25.538 χ^2/NDF:23.5/22

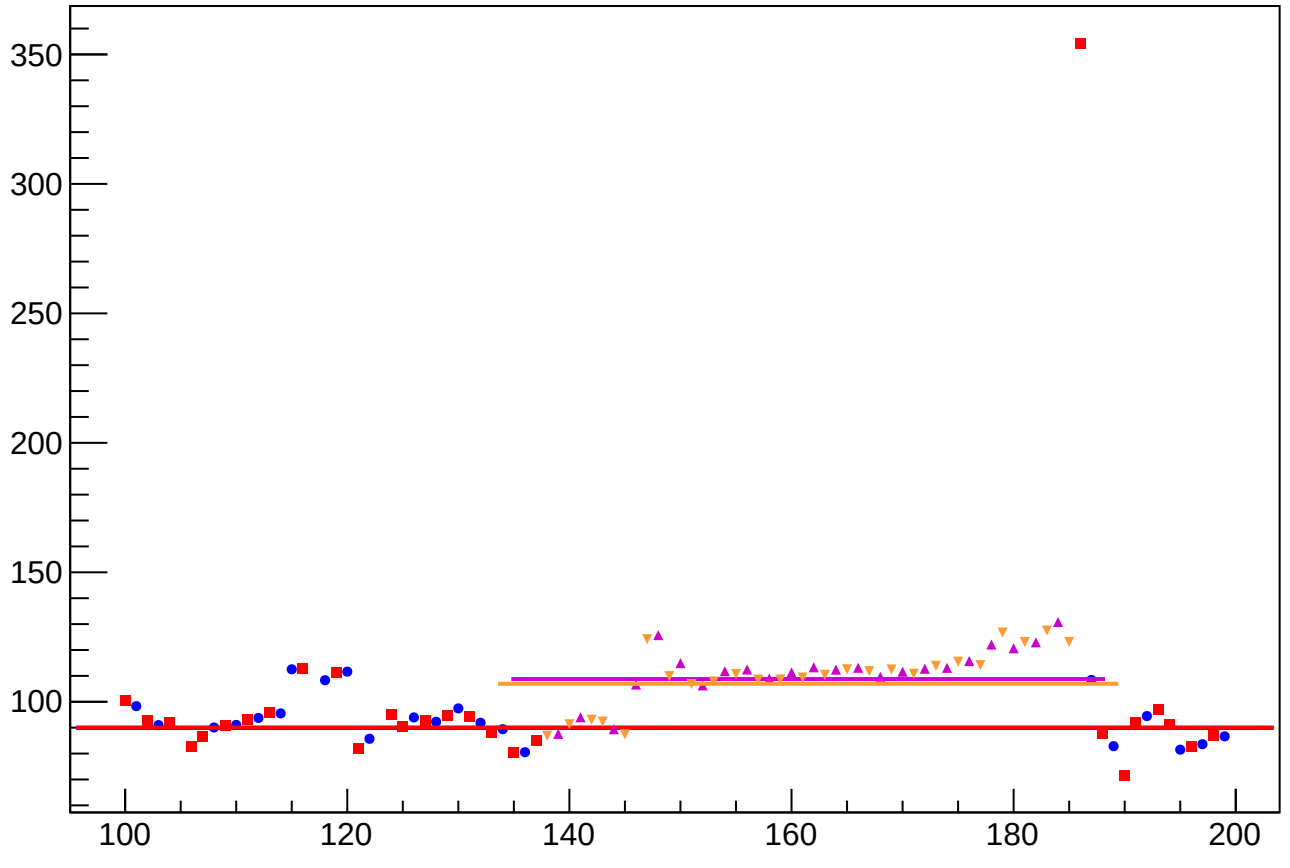
Left: -170.074+/-17.662 χ^2/NDF: 57.4/47

Right: -15.865+/-18.403 χ^2/NDF: 45.4/48

In: -90.309+/-18.413 χ^2/NDF:61.3/44

Out: -101.492+/-17.653 χ^2/NDF:77.8/51

All: -96.136+/-12.743 χ^2/NDF: 139.3/96



Right In: 89.923+/-0.019 χ^2/NDF: 170621.2/21

Left Out: 106.954+/-0.017 χ^2/NDF:464271.4/24

Right Out: 90.049+/-0.018 χ^2/NDF: 629066.3/26

Left In: 108.781+/-0.018 χ^2/NDF:358436.4/22

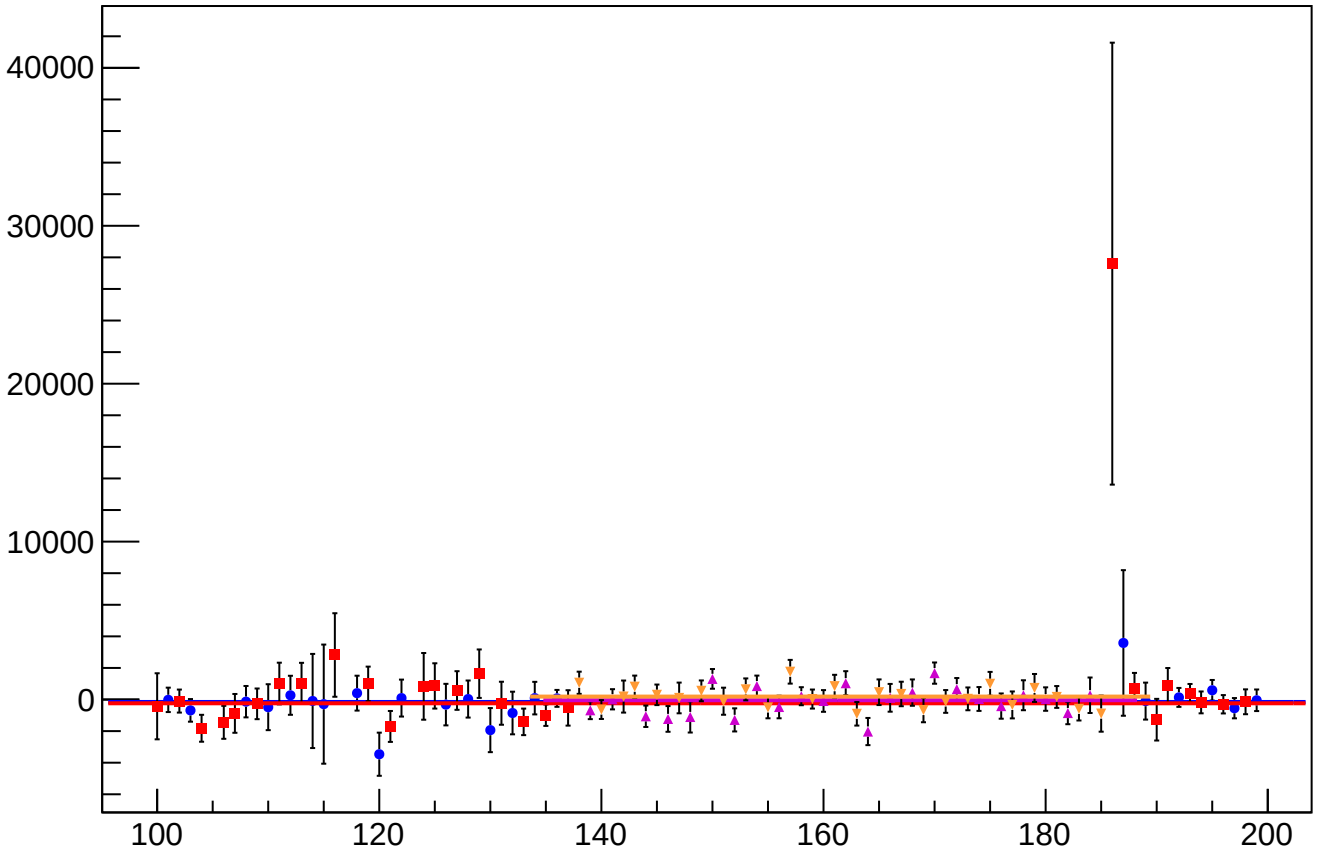
Left: 107.828+/-0.012 χ^2/NDF: 828045.3/47

Right: 89.989+/-0.013 χ^2/NDF: 799711.2/48

In: 99.726+/-0.013 χ^2/NDF:1052702.9/44

Out: 98.860+/-0.012 χ^2/NDF:1551028.2/51

All: 99.274+/-0.009 χ^2/NDF: 2606035.8/96



Right In: -154.855+/-198.754 χ^2/NDF: 11.7/21

Left Out: 186.450+/-148.819 χ^2/NDF:19.1/24

Right Out: -238.326+/-188.221 χ^2/NDF: 25.7/26

Left In: -43.251+/-152.059 χ^2/NDF:33.7/22

Left: 74.072+/-106.358 χ^2/NDF: 53.9/47

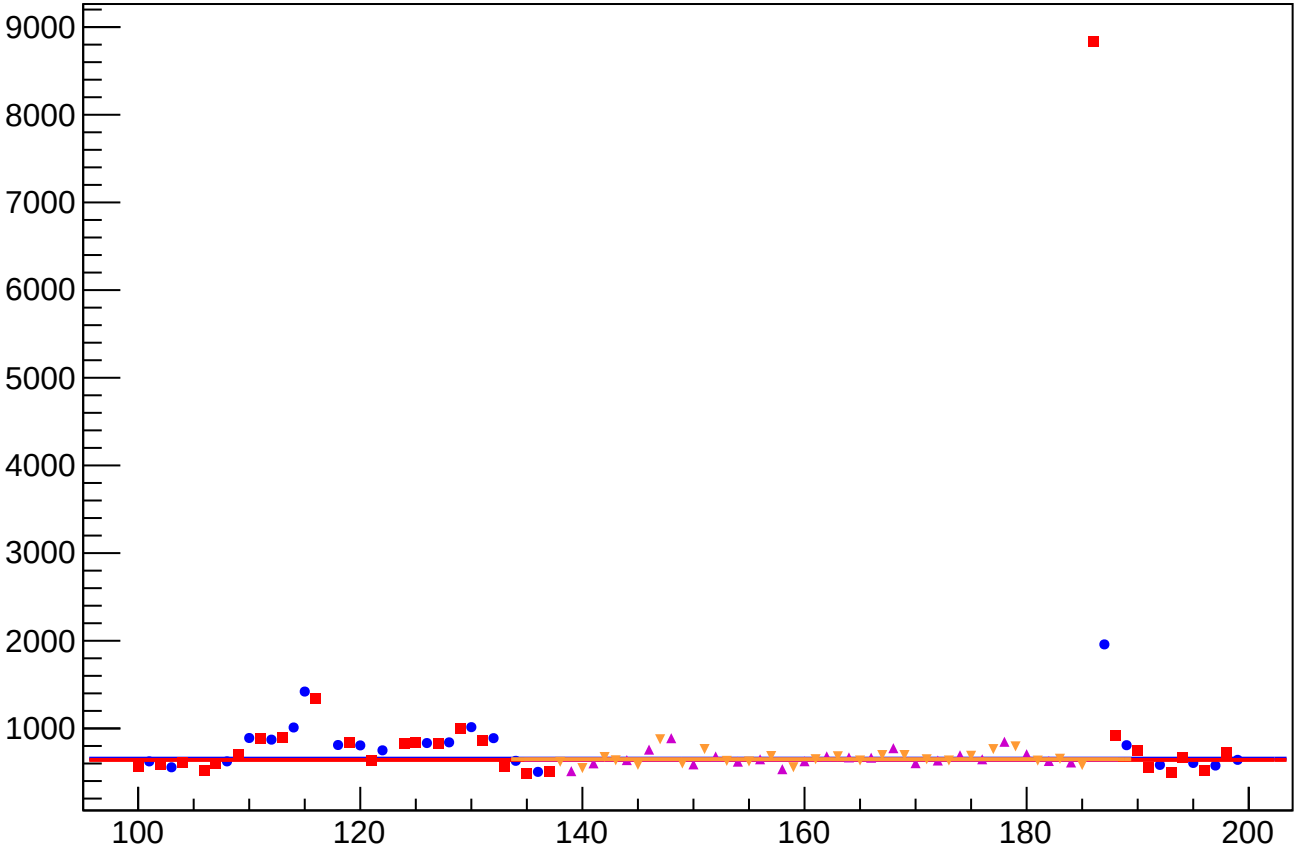
Right: -198.861+/-136.664 χ^2/NDF: 37.5/48

In: -84.456+/-120.769 χ^2/NDF:45.6/44

Out: 23.050+/-116.738 χ^2/NDF:47.9/51

All: -28.879+/-83.935 χ^2/NDF: 94.0/96

asym_sam_15_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 654.946+/-0.141 χ^2/NDF: 1049416.9/21

Left Out: 649.189+/-0.105 χ^2/NDF:418365.4/24

Right Out: 640.954+/-0.133 χ^2/NDF: 1917112.1/26

Left In: 644.072+/-0.108 χ^2/NDF:559121.0/22

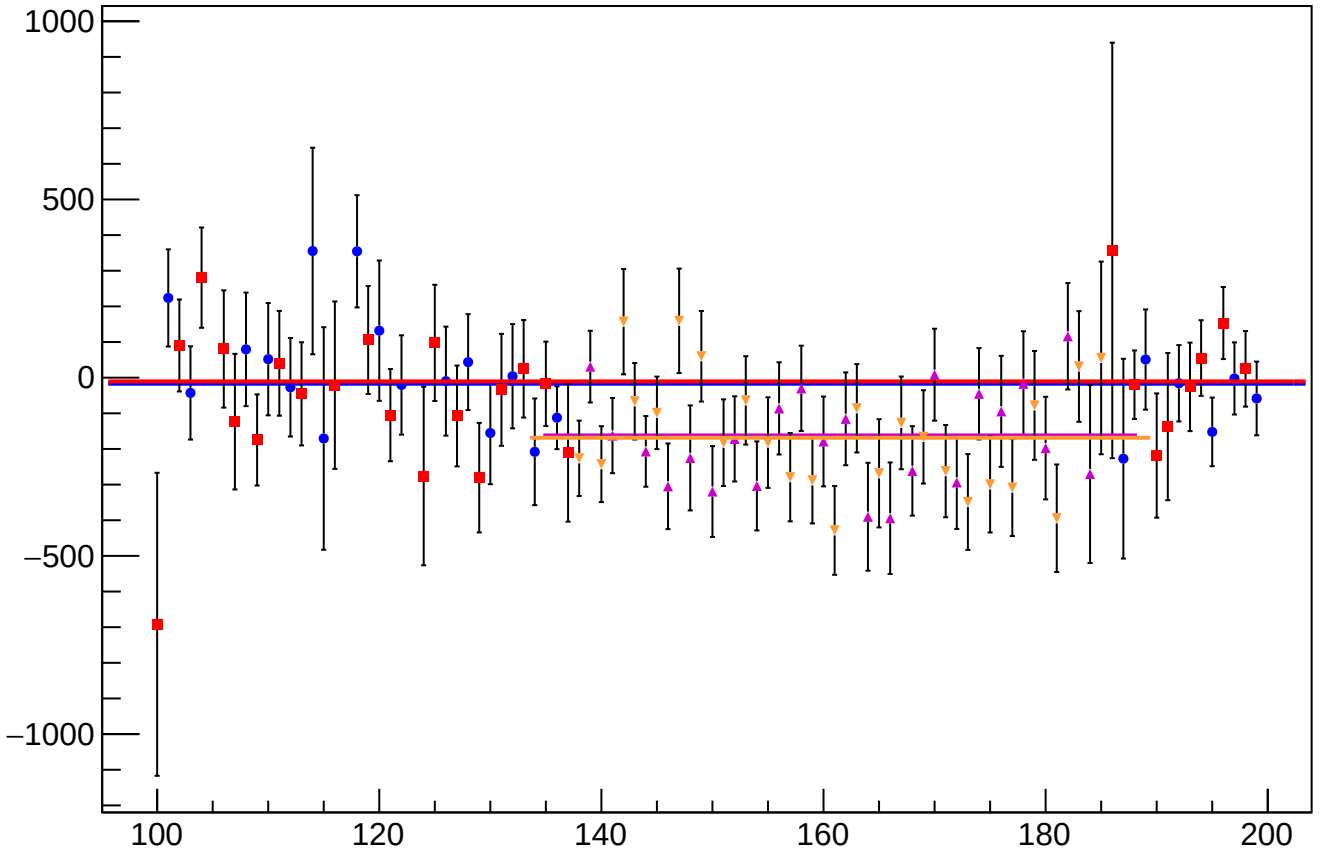
Left: 646.686+/-0.075 χ^2/NDF: 978643.1/47

Right: 647.569+/-0.097 χ^2/NDF: 2971755.0/48

In: 648.087+/-0.085 χ^2/NDF:1612314.2/44

Out: 646.021+/-0.083 χ^2/NDF:2337833.5/51

All: 647.019+/-0.059 χ^2/NDF: 3950450.2/96



Right In: -16.932+/-28.868 χ^2/NDF: 18.6/21

Left Out: -168.634+/-25.819 χ^2/NDF:32.4/24

Right Out: -10.464+/-27.700 χ^2/NDF: 22.7/26

Left In: -162.028+/-26.948 χ^2/NDF:23.6/22

Left: -165.472+/-18.643 χ^2/NDF: 56.0/47

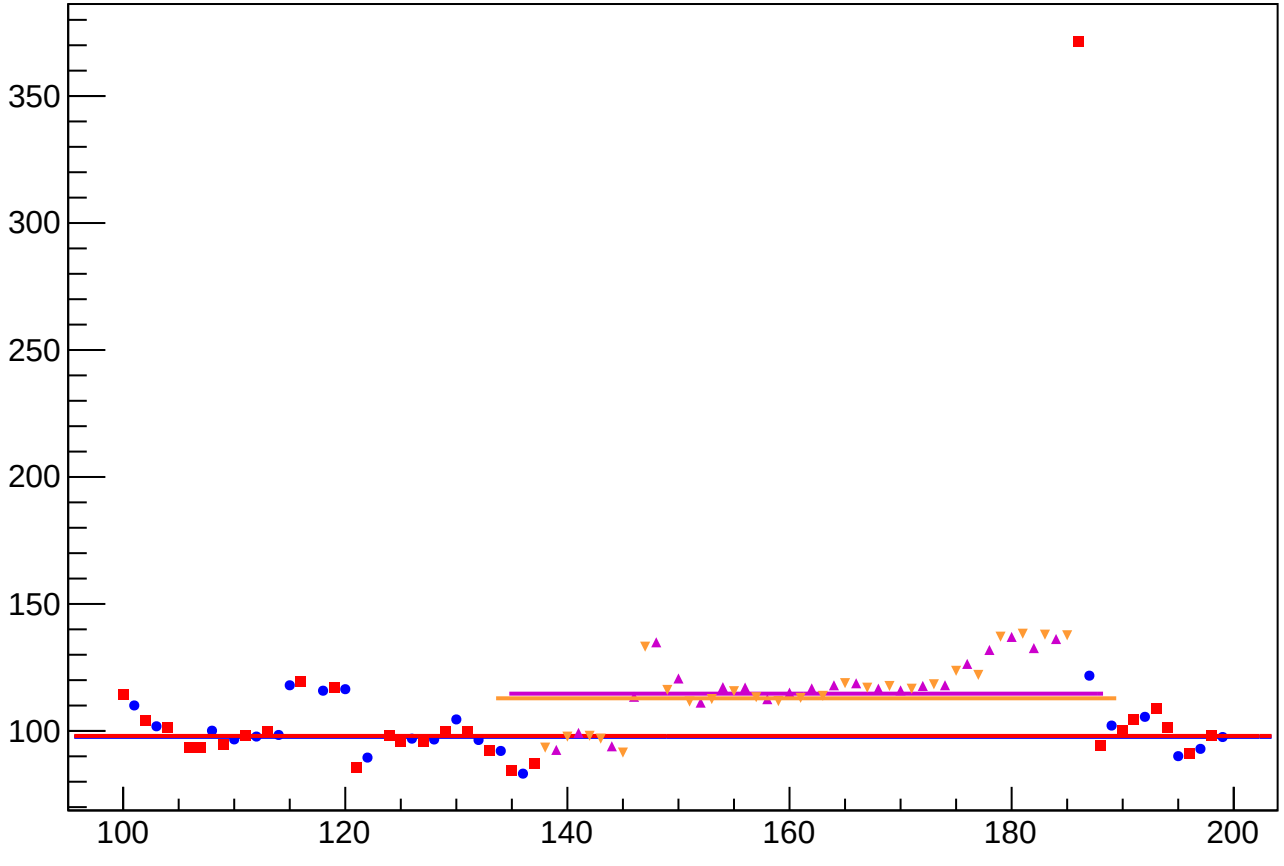
Right: -13.564+/-19.987 χ^2/NDF: 41.4/48

In: -94.466+/-19.699 χ^2/NDF:55.7/44

Out: -95.100+/-18.887 χ^2/NDF:72.5/51

All: -94.796+/-13.633 χ^2/NDF: 128.2/96

dit_asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 97.665+/-0.020 χ^2/NDF: 185115.0/21

Left Out: 112.850+/-0.018 χ^2/NDF:512260.6/24

Right Out: 98.034+/-0.020 χ^2/NDF: 588609.4/26

Left In: 114.677+/-0.019 χ^2/NDF:409932.2/22

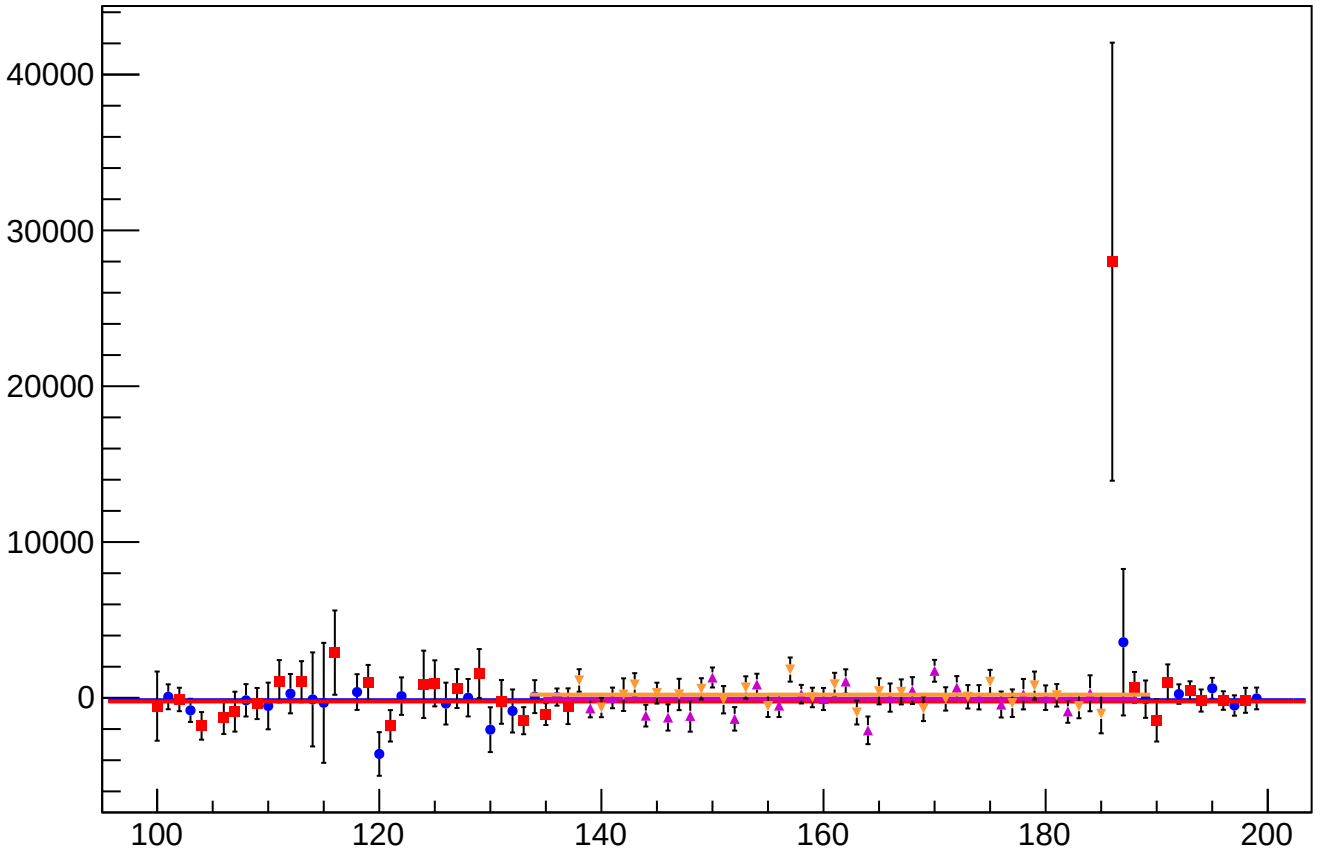
Left: 113.724+/-0.013 χ^2/NDF: 926988.8/47

Right: 97.857+/-0.014 χ^2/NDF: 773894.5/48

In: 106.756+/-0.014 χ^2/NDF:966205.7/44

Out: 105.962+/-0.013 χ^2/NDF:1407031.1/51

All: 106.342+/-0.010 χ^2/NDF: 2374929.7/96



Right In: -148.684+/-204.590 χ^2/NDF: 12.2/21

Left Out: 209.377+/-153.925 χ^2/NDF:18.9/24

Right Out: -229.374+/-193.937 χ^2/NDF: 25.4/26

Left In: -50.266+/-157.485 χ^2/NDF:33.3/22

Left: 82.523+/-110.079 χ^2/NDF: 53.6/47

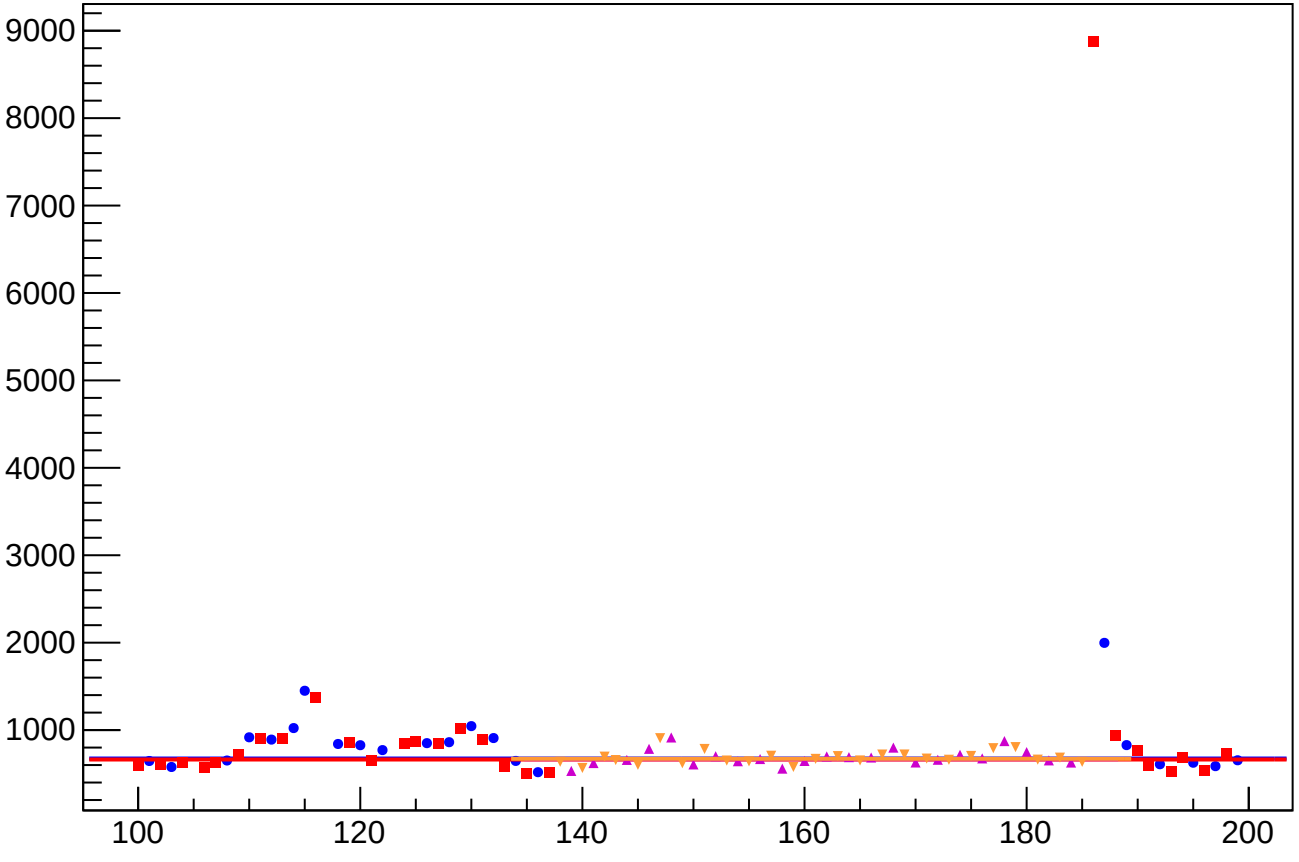
Right: -191.184+/-140.750 χ^2/NDF: 37.7/48

In: -86.884+/-124.795 χ^2/NDF:45.6/44

Out: 39.808+/-120.566 χ^2/NDF:47.5/51

All: -21.355+/-86.709 χ^2/NDF: 93.6/96

asym_sam_15_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 674.739+/-0.145 χ^2/NDF: 1032285.6/21

Left Out: 671.849+/-0.109 χ^2/NDF:399159.9/24

Right Out: 663.449+/-0.137 χ^2/NDF: 1844559.6/26

Left In: 667.341+/-0.111 χ^2/NDF:546903.6/22

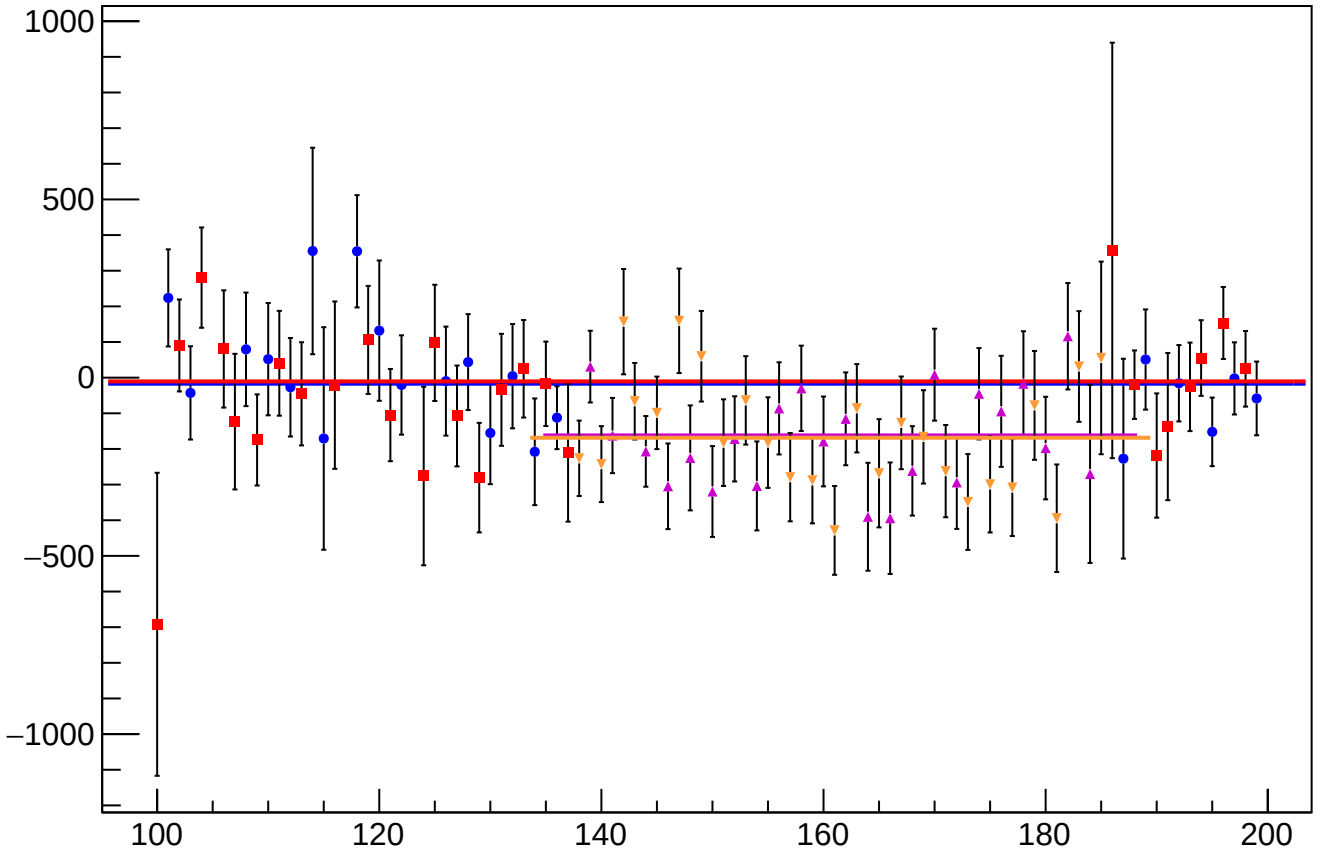
Left: 669.646+/-0.078 χ^2/NDF: 946901.4/47

Right: 668.792+/-0.100 χ^2/NDF: 2880052.8/48

In: 670.094+/-0.088 χ^2/NDF:1580831.0/44

Out: 668.602+/-0.085 χ^2/NDF:2246021.3/51

All: 669.322+/-0.061 χ^2/NDF: 3826999.9/96



Right In: -16.932+/-28.868 χ^2/NDF: 18.6/21

Left Out: -168.635+/-25.819 χ^2/NDF:32.4/24

Right Out: -10.464+/-27.700 χ^2/NDF: 22.7/26

Left In: -162.028+/-26.948 χ^2/NDF:23.6/22

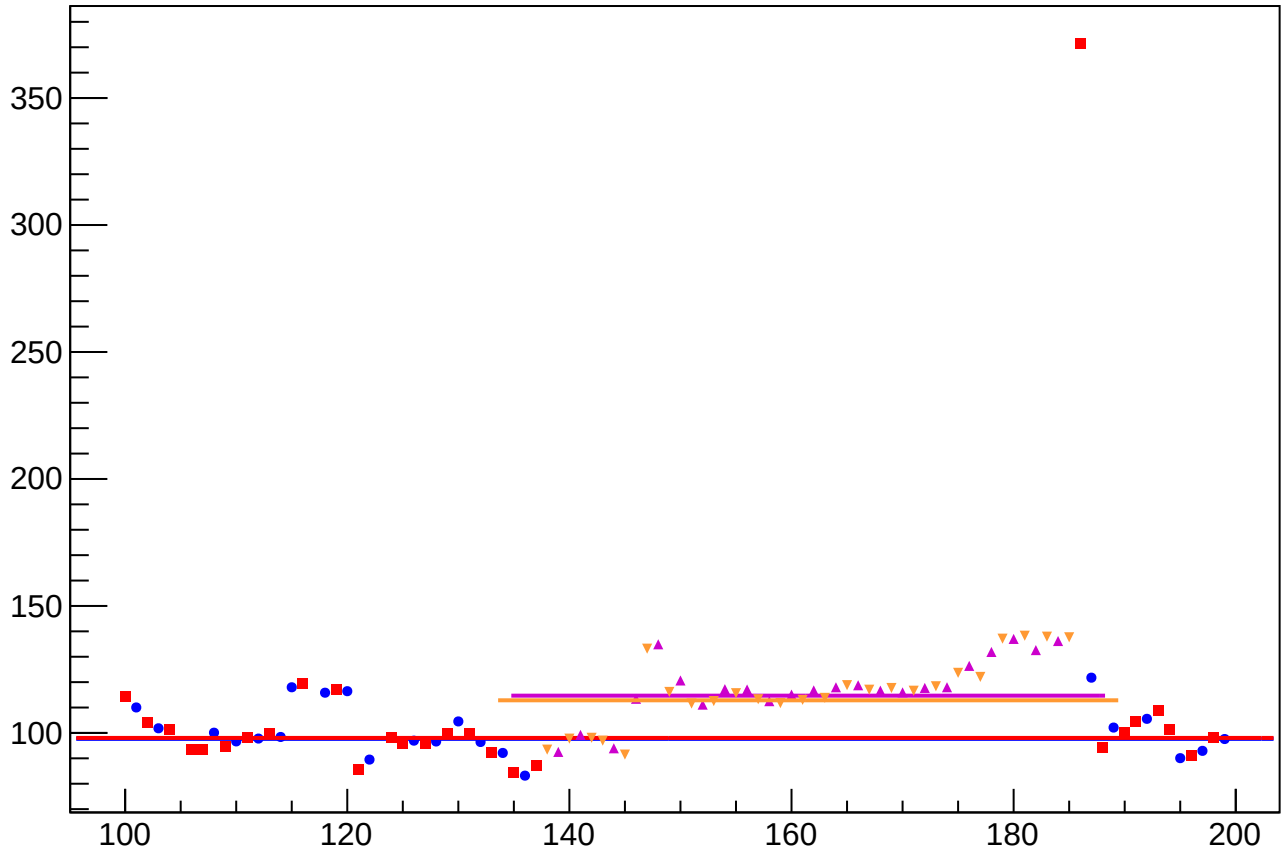
Left: -165.473+/-18.643 χ^2/NDF: 56.0/47

Right: -13.564+/-19.987 χ^2/NDF: 41.4/48

In: -94.466+/-19.699 χ^2/NDF:55.7/44

Out: -95.100+/-18.887 χ^2/NDF:72.5/51

All: -94.796+/-13.633 χ^2/NDF: 128.2/96



Right In: 97.665+/-0.020 χ^2/NDF: 185118.5/21

Left Out: 112.850+/-0.018 χ^2/NDF:512254.2/24

Right Out: 98.034+/-0.020 χ^2/NDF: 588608.2/26

Left In: 114.677+/-0.019 χ^2/NDF:409929.2/22

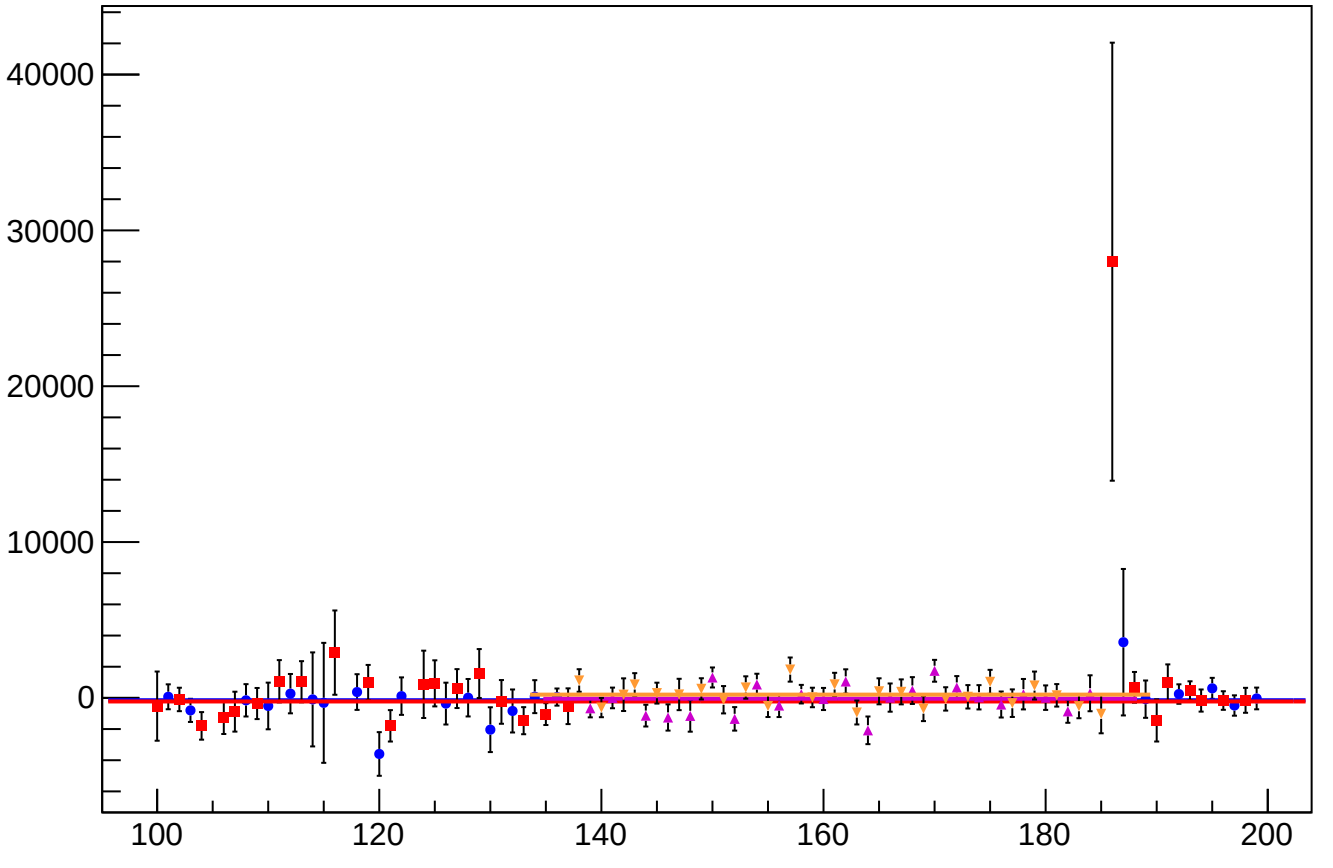
Left: 113.724+/-0.013 χ^2/NDF: 926979.7/47

Right: 97.857+/-0.014 χ^2/NDF: 773896.8/48

In: 106.756+/-0.014 χ^2/NDF:966217.0/44

Out: 105.962+/-0.013 χ^2/NDF:1407030.4/51

All: 106.342+/-0.010 χ^2/NDF: 2374940.5/96



Right In: -148.684+/-204.590 χ^2/NDF: 12.2/21

Left Out: 209.377+/-153.926 χ^2/NDF:18.9/24

Right Out: -229.374+/-193.936 χ^2/NDF: 25.4/26

Left In: -50.267+/-157.485 χ^2/NDF:33.3/22

Left: 82.523+/-110.079 χ^2/NDF: 53.6/47

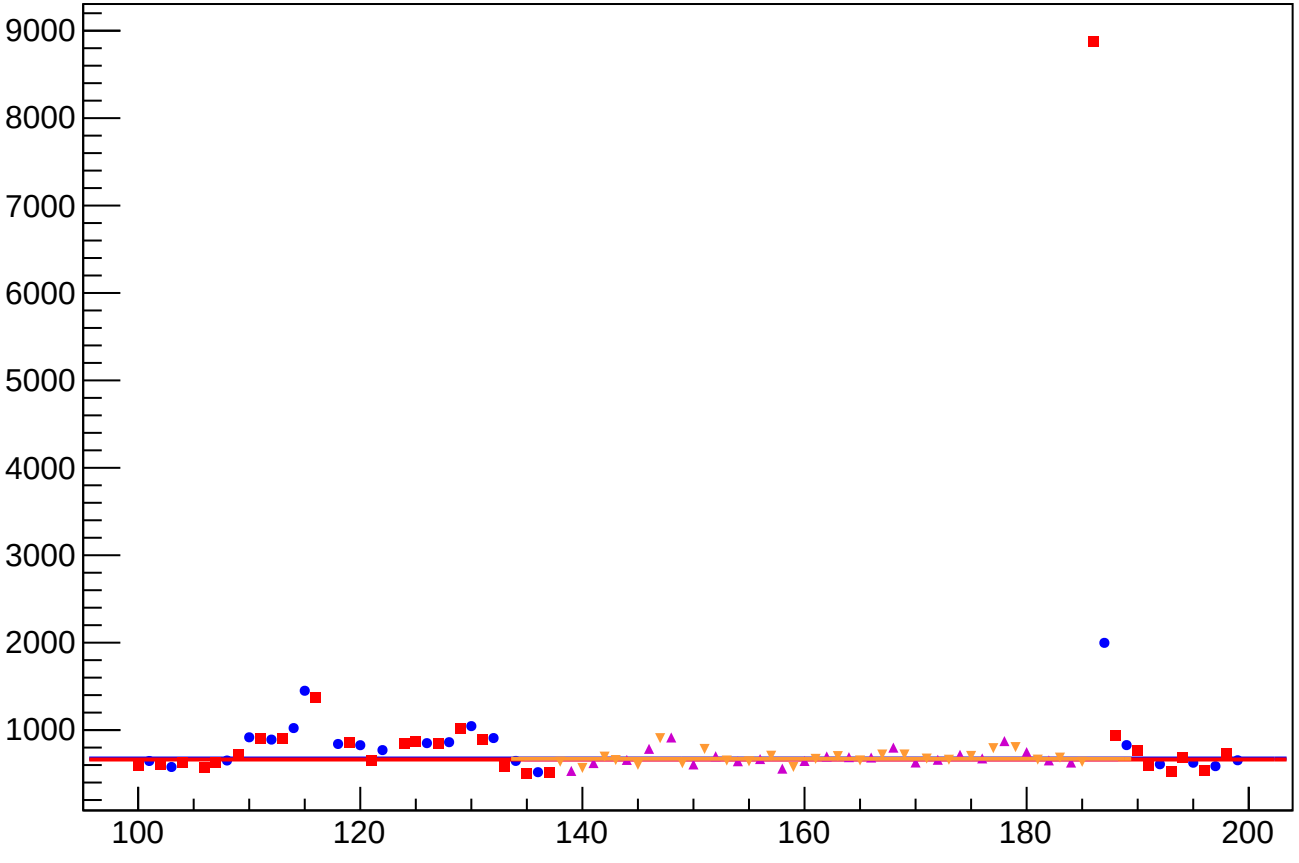
Right: -191.184+/-140.749 χ^2/NDF: 37.7/48

In: -86.885+/-124.795 χ^2/NDF:45.6/44

Out: 39.807+/-120.566 χ^2/NDF:47.5/51

All: -21.356+/-86.709 χ^2/NDF: 93.6/96

asym_sam_15_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 674.738+/-0.145 χ^2/NDF: 1032287.5/21

Left Out: 671.849+/-0.109 χ^2/NDF:399160.3/24

Right Out: 663.448+/-0.137 χ^2/NDF: 1844564.2/26

Left In: 667.342+/-0.111 χ^2/NDF:546905.8/22

Left: 669.647+/-0.078 χ^2/NDF: 946903.9/47

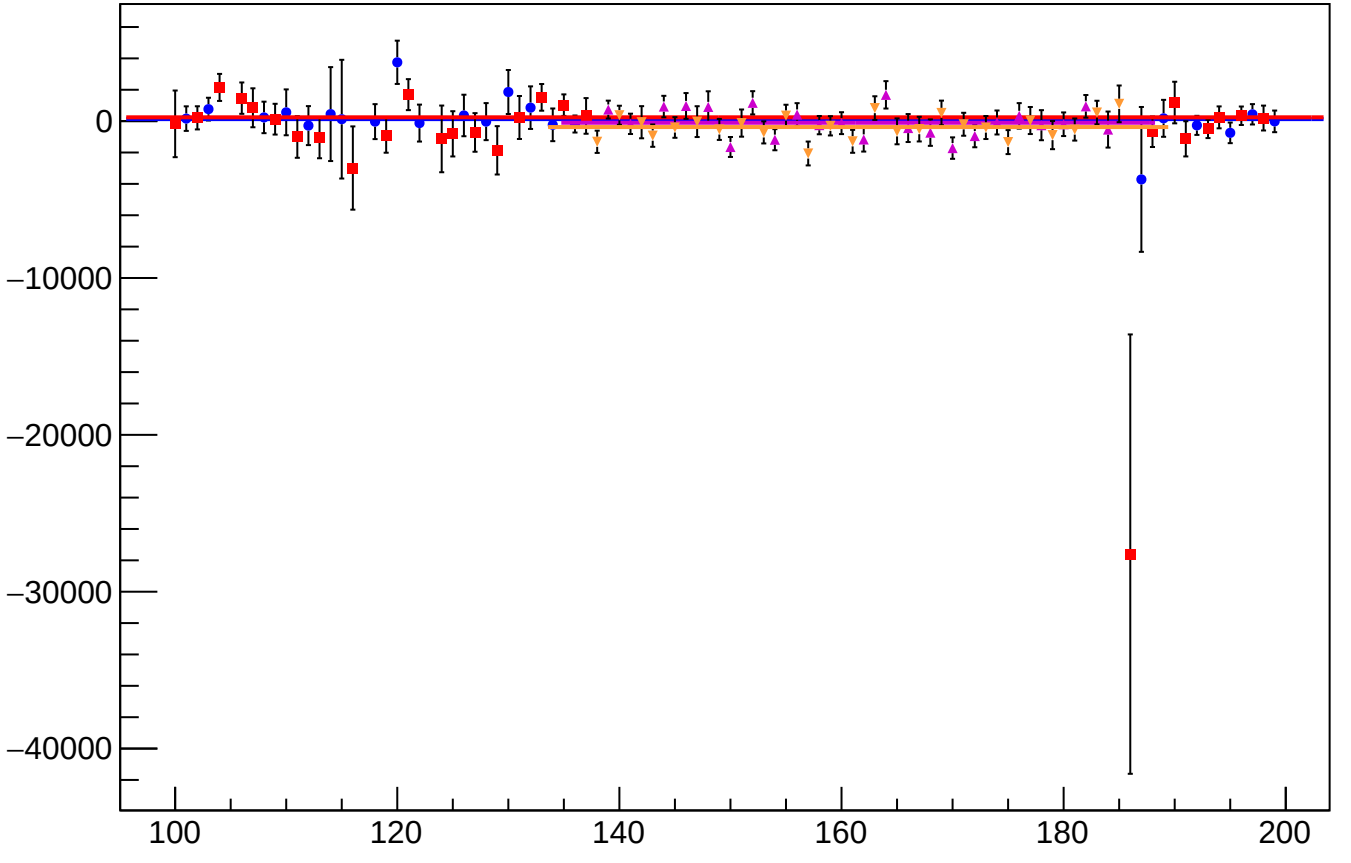
Right: 668.791+/-0.100 χ^2/NDF: 2880059.3/48

In: 670.094+/-0.088 χ^2/NDF:1580834.5/44

Out: 668.602+/-0.085 χ^2/NDF:2246026.9/51

All: 669.322+/-0.061 χ^2/NDF: 3827009.1/96

asym_sam_15_dd_mean vs Slug, Sign Corrected



Right In: 128.885+/-200.827 χ^2/NDF: 13.4/21

Left Out: -377.221+/-150.952 χ^2/NDF:21.4/24

Right Out: 243.850+/-189.989 χ^2/NDF: 28.7/26

Left In: -103.321+/-154.335 χ^2/NDF:35.5/22

Left: -243.306+/-107.915 χ^2/NDF: 58.5/47

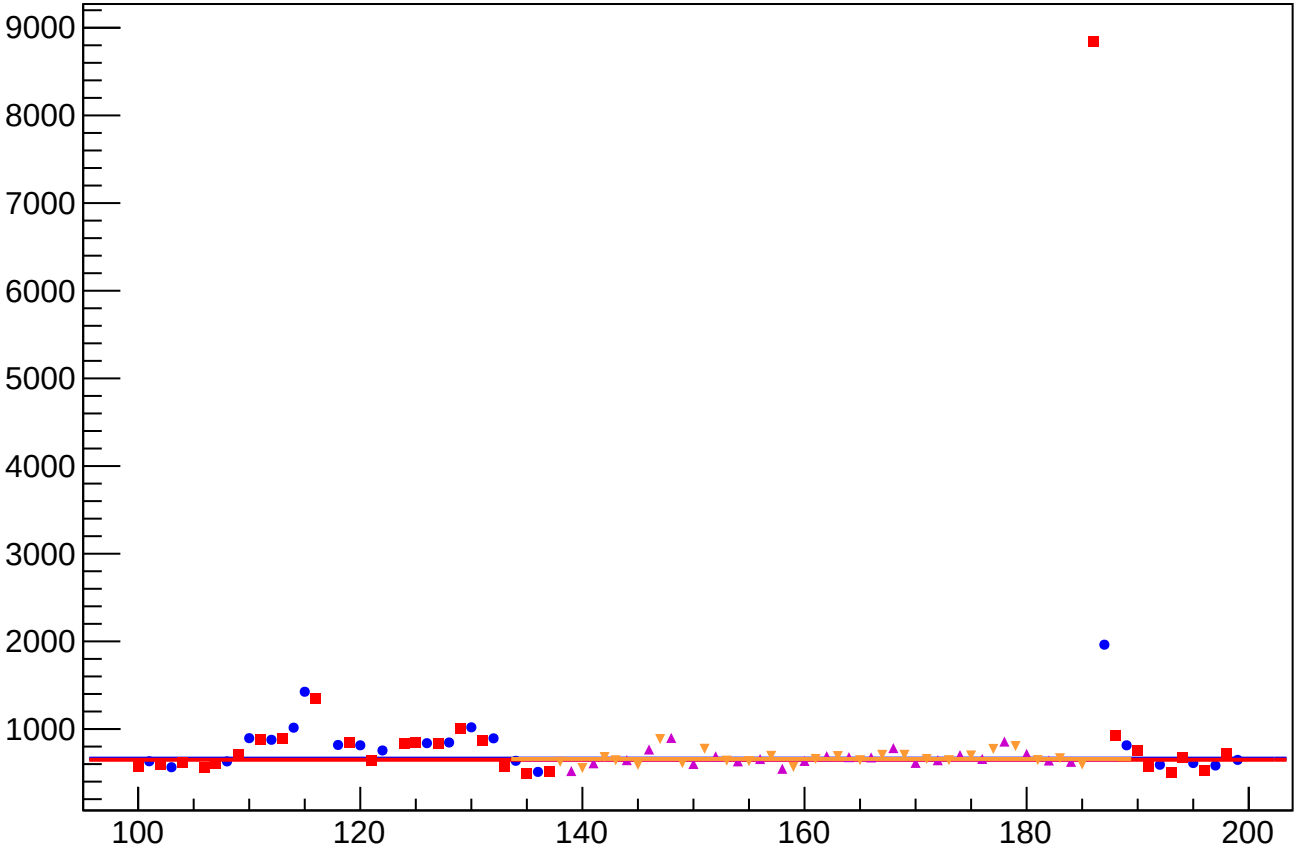
Right: 189.553+/-138.015 χ^2/NDF: 42.3/48

In: -17.102+/-122.373 χ^2/NDF:49.8/44

Out: -136.878+/-118.188 χ^2/NDF:56.7/51

All: -79.073+/-85.013 χ^2/NDF: 107.0/96

asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 662.248+/-0.142 χ^2/NDF: 1026378.6/21

Left Out: 658.672+/-0.107 χ^2/NDF:409684.4/24

Right Out: 649.448+/-0.134 χ^2/NDF: 1871053.2/26

Left In: 653.950+/-0.109 χ^2/NDF:542078.1/22

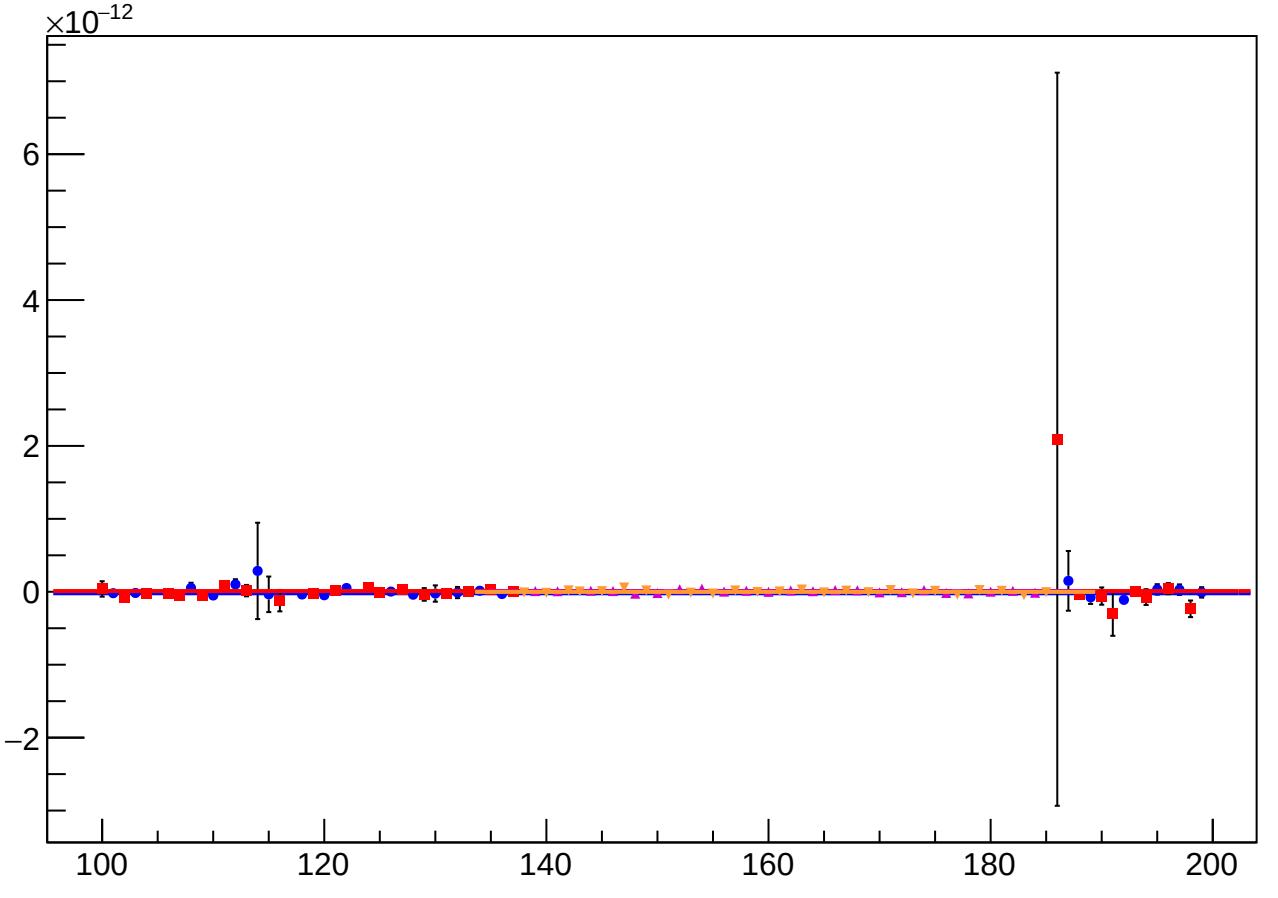
Left: 656.363+/-0.076 χ^2/NDF: 952719.4/47

Right: 655.494+/-0.098 χ^2/NDF: 2901719.2/48

In: 657.031+/-0.087 χ^2/NDF:1570603.6/44

Out: 655.103+/-0.084 χ^2/NDF:2283627.4/51

All: 656.033+/-0.060 χ^2/NDF: 3854488.0/96



Right In: -0.000+/-0.000 χ^2/NDF: 13.3/21

Left Out: -0.000+/-0.000 χ^2/NDF:31.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 24.5/26

Left In: 0.000+/-0.000 χ^2/NDF:15.6/22

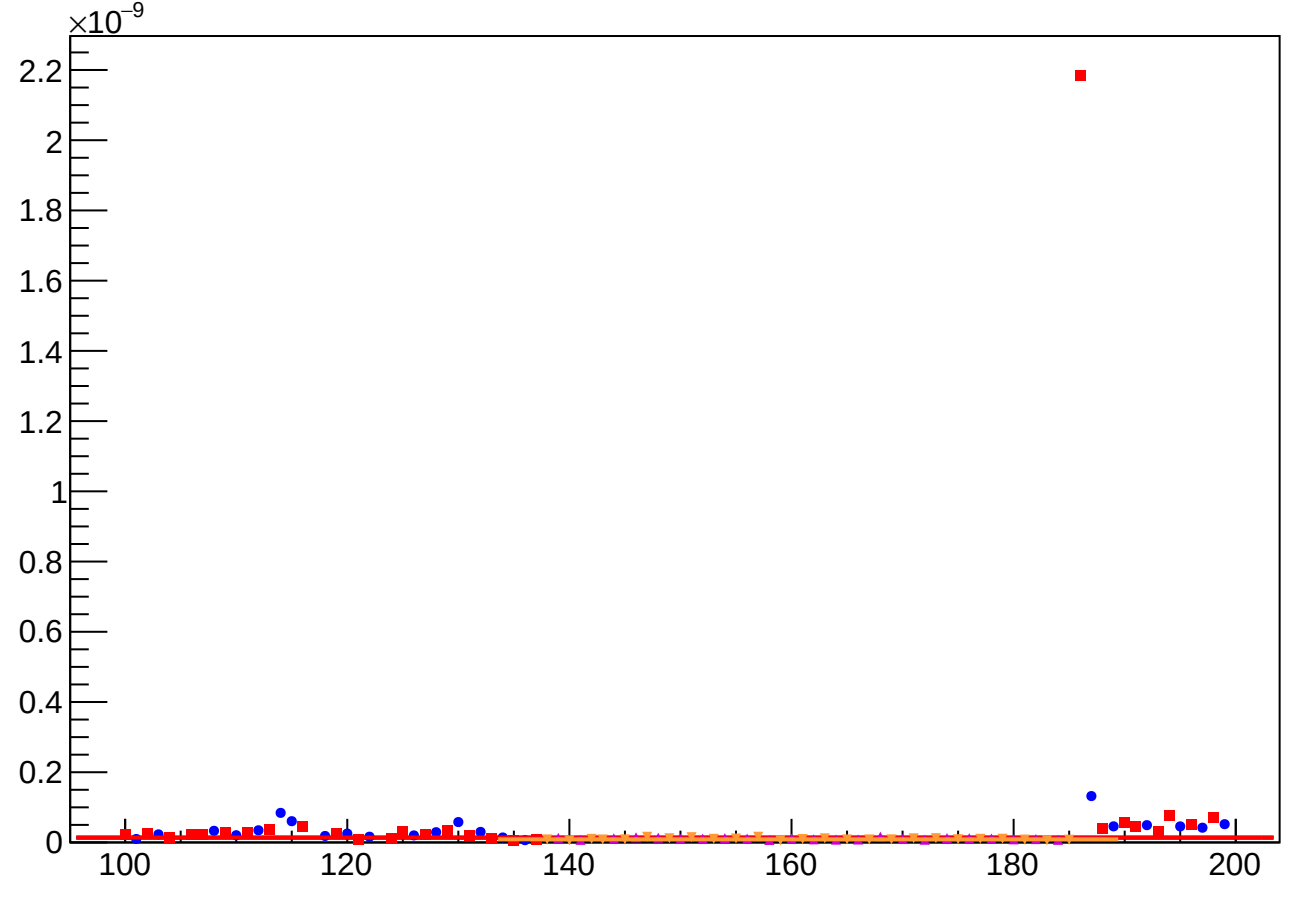
Left: 0.000+/-0.000 χ^2/NDF: 51.0/47

Right: -0.000+/-0.000 χ^2/NDF: 46.0/48

In: 0.000+/-0.000 χ^2/NDF:40.2/44

Out: 0.000+/-0.000 χ^2/NDF:58.3/51

All: 0.000+/-0.000 χ^2/NDF: 98.7/96



Right In: 0.000+/-0.000 χ^2/NDF: 4520522.6/21

Left Out: 0.000+/-0.000 χ^2/NDF:1037287.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5237582.9/26

Left In: 0.000+/-0.000 χ^2/NDF:659247.6/22

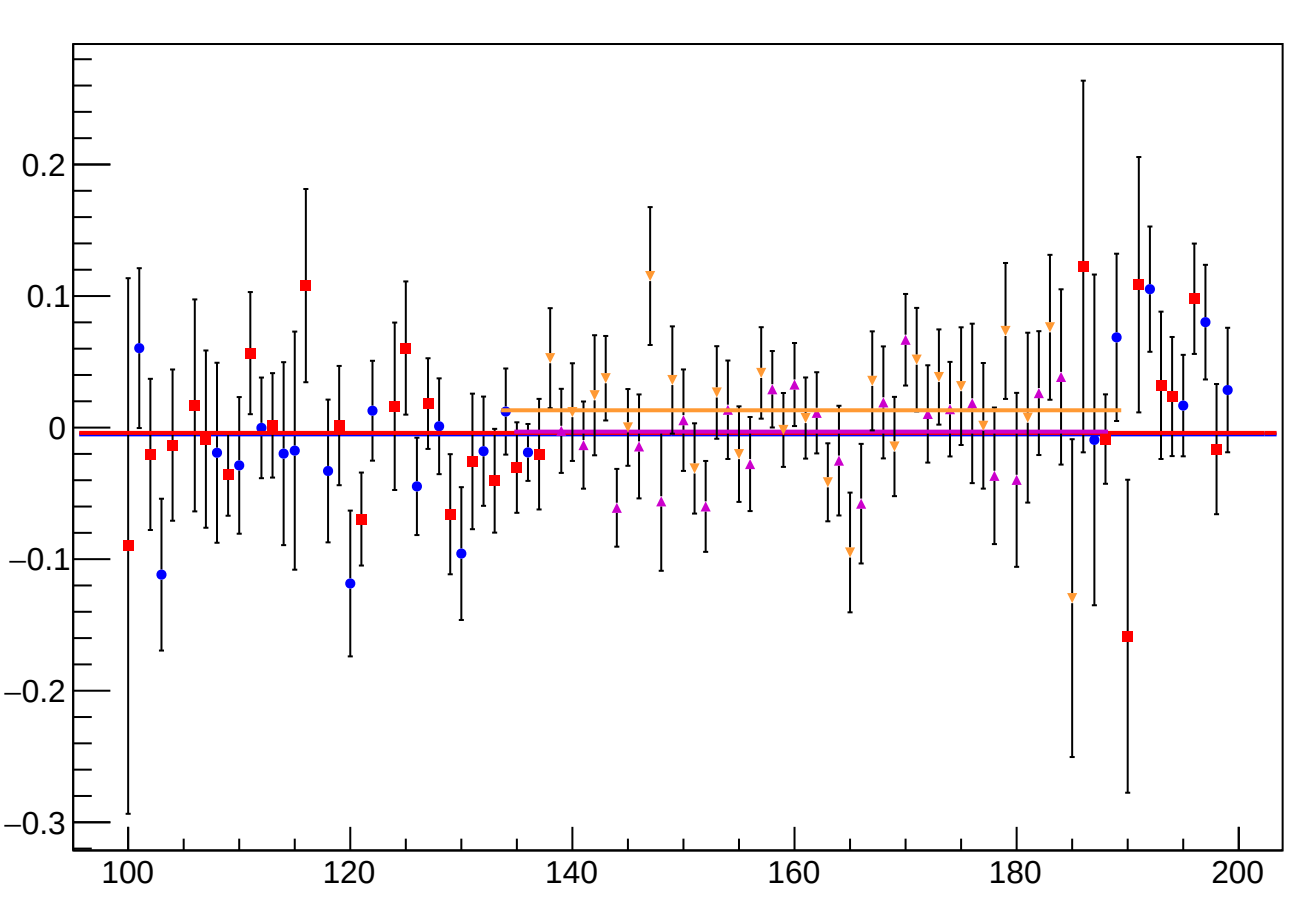
Left: 0.000+/-0.000 χ^2/NDF: 1807691.0/47

Right: 0.000+/-0.000 χ^2/NDF: 9759964.5/48

In: 0.000+/-0.000 χ^2/NDF:5510898.5/44

Out: 0.000+/-0.000 χ^2/NDF:7007137.4/51

All: 0.000+/-0.000 χ^2/NDF: 12628950.6/96



Right In: -0.005+/-0.009 χ^2/NDF: 26.1/21

Left Out: 0.013+/-0.008 χ^2/NDF:25.4/24

Right Out: -0.004+/-0.009 χ^2/NDF: 25.3/26

Left In: -0.003+/-0.008 χ^2/NDF:19.2/22

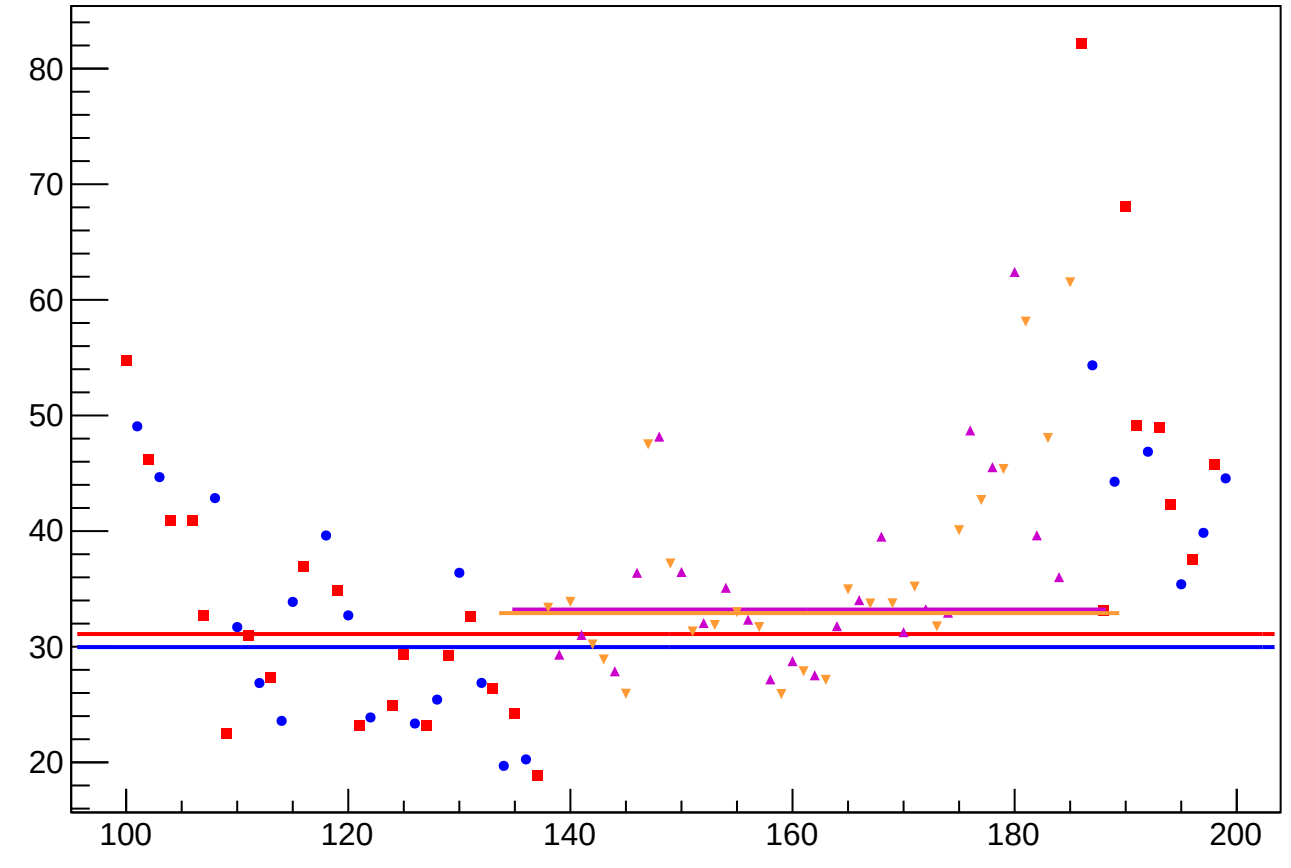
Left: 0.005+/-0.006 χ^2/NDF: 46.7/47

Right: -0.005+/-0.007 χ^2/NDF: 51.4/48

In: -0.004+/-0.006 χ^2/NDF:45.4/44

Out: 0.006+/-0.006 χ^2/NDF:52.7/51

All: 0.001+/-0.004 χ^2/NDF: 99.4/96



Right In: 29.968+/-0.007 χ^2/NDF: 2053662.0/21

Left Out: 32.907+/-0.005 χ^2/NDF:1427924.1/24

Right Out: 31.099+/-0.006 χ^2/NDF: 2037854.5/26

Left In: 33.217+/-0.006 χ^2/NDF:1221447.0/22

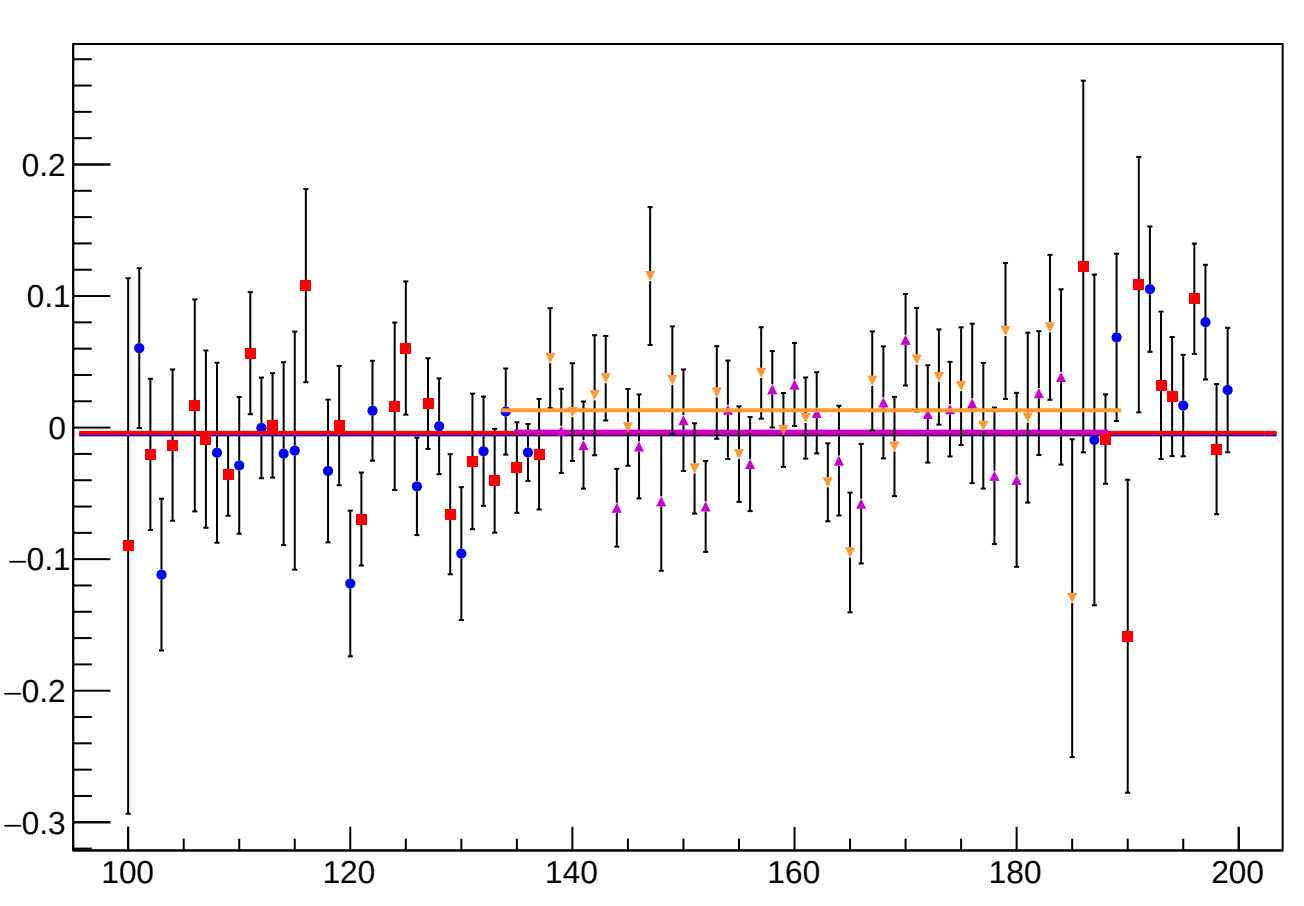
Left: 33.056+/-0.004 χ^2/NDF: 2650936.9/47

Right: 30.544+/-0.005 χ^2/NDF: 4106412.7/48

In: 31.850+/-0.004 χ^2/NDF:3415133.6/44

Out: 32.162+/-0.004 χ^2/NDF:3511471.9/51

All: 32.011+/-0.003 χ^2/NDF: 6929338.5/96



Right In: -0.005+/-0.009 χ^2/NDF: 26.1/21

Left Out: 0.013+/-0.008 χ^2/NDF:25.4/24

Right Out: -0.004+/-0.009 χ^2/NDF: 25.3/26

Left In: -0.003+/-0.008 χ^2/NDF:19.2/22

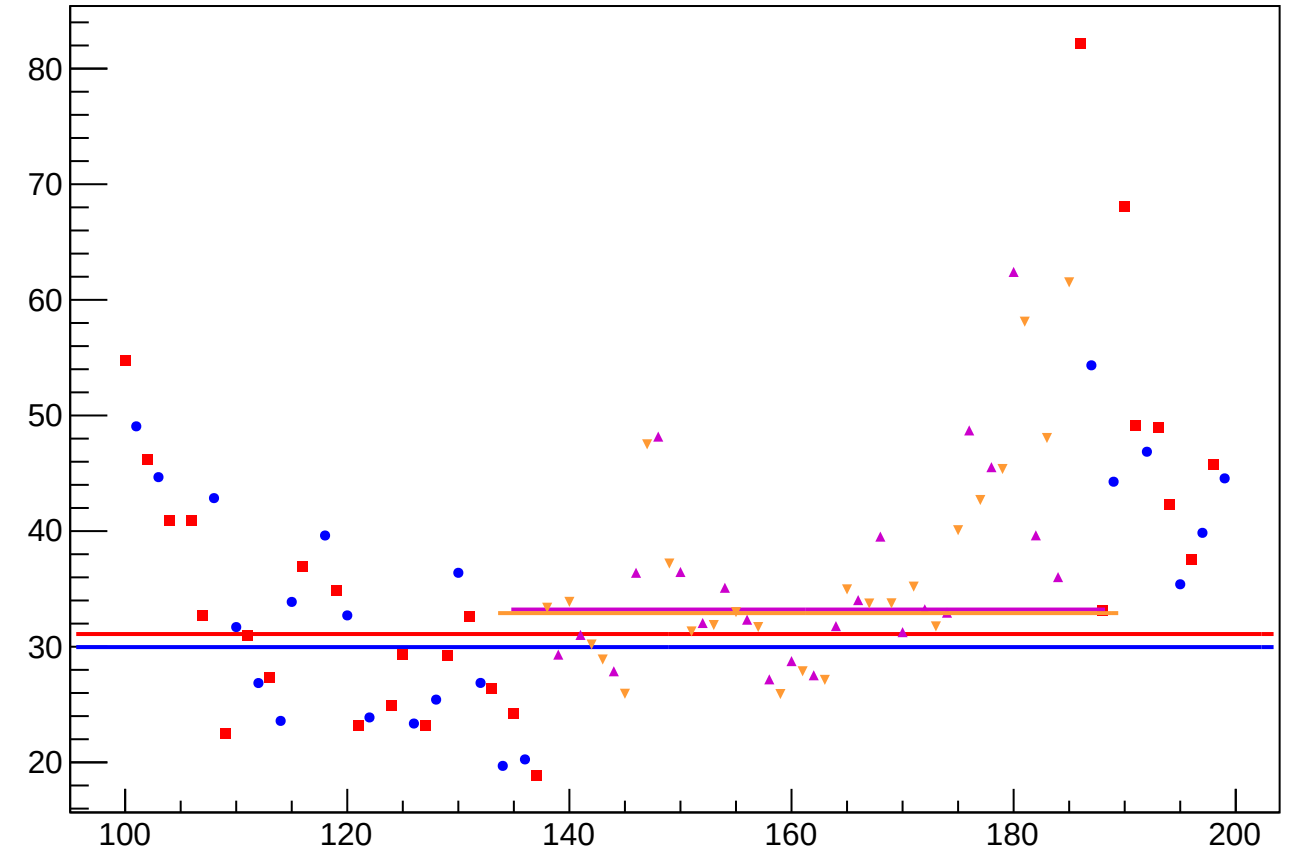
Left: 0.005+/-0.006 χ^2/NDF: 46.7/47

Right: -0.005+/-0.007 χ^2/NDF: 51.4/48

In: -0.004+/-0.006 χ^2/NDF:45.4/44

Out: 0.006+/-0.006 χ^2/NDF:52.7/51

All: 0.001+/-0.004 χ^2/NDF: 99.4/96



Right In: 29.968+/-0.007 χ^2/NDF: 2053662.0/21

Left Out: 32.907+/-0.005 χ^2/NDF:1427924.1/24

Right Out: 31.099+/-0.006 χ^2/NDF: 2037854.5/26

Left In: 33.217+/-0.006 χ^2/NDF:1221447.0/22

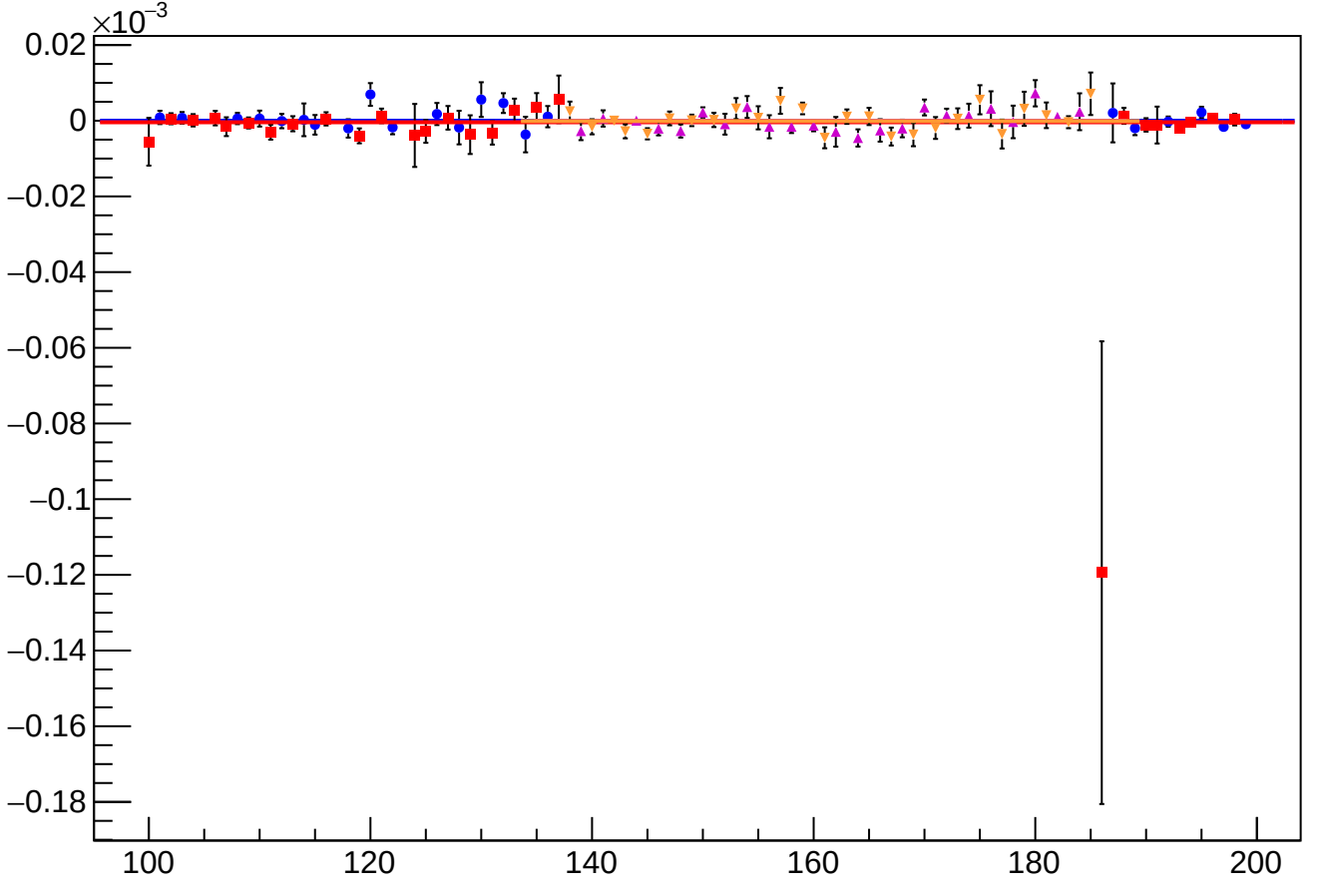
Left: 33.056+/-0.004 χ^2/NDF: 2650936.9/47

Right: 30.544+/-0.005 χ^2/NDF: 4106412.7/48

In: 31.850+/-0.004 χ^2/NDF:3415133.6/44

Out: 32.162+/-0.004 χ^2/NDF:3511471.9/51

All: 32.011+/-0.003 χ^2/NDF: 6929338.5/96



Right In: -0.000+/-0.000 χ^2/NDF: 20.0/21

Left Out: -0.000+/-0.000 χ^2/NDF:31.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 20.7/26

Left In: -0.000+/-0.000 χ^2/NDF:27.0/22

Left: -0.000+/-0.000 χ^2/NDF: 58.0/47

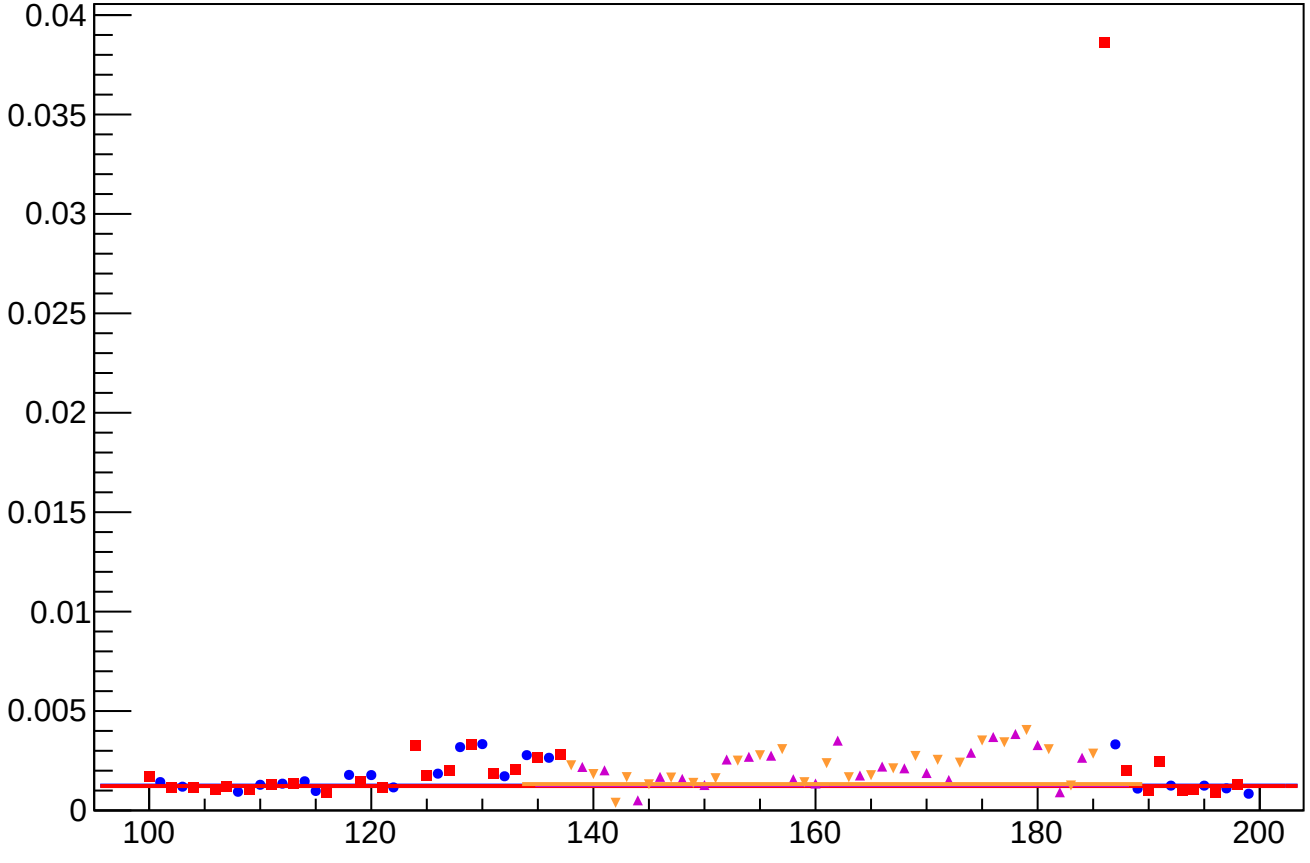
Right: -0.000+/-0.000 χ^2/NDF: 41.1/48

In: -0.000+/-0.000 χ^2/NDF:47.0/44

Out: -0.000+/-0.000 χ^2/NDF:52.1/51

All: -0.000+/-0.000 χ^2/NDF: 99.4/96

asym_sam_15_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 2555253.2/21

Left Out: 0.001+/-0.000 χ^2/NDF:11159347.0/24

Right Out: 0.001+/-0.000 χ^2/NDF: 2986432.8/26

Left In: 0.001+/-0.000 χ^2/NDF:9878422.3/22

Left: 0.001+/-0.000 χ^2/NDF: 21058948.3/47

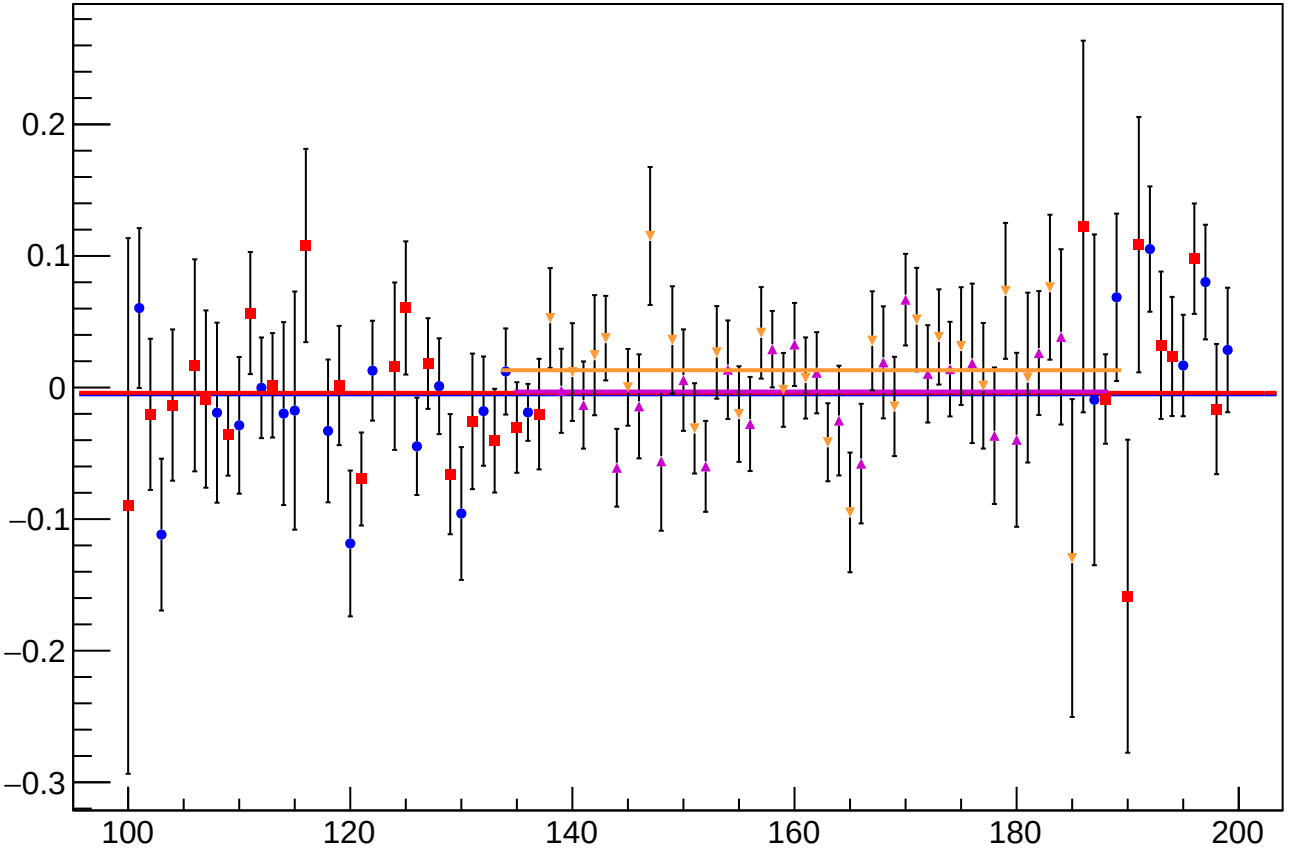
Right: 0.001+/-0.000 χ^2/NDF: 5545061.8/48

In: 0.001+/-0.000 χ^2/NDF:12437789.2/44

Out: 0.001+/-0.000 χ^2/NDF:14217526.0/51

All: 0.001+/-0.000 χ^2/NDF: 26658373.6/96

asym_sam_15_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.005+/-0.009 χ^2/NDF: 26.1/21

Left Out: 0.013+/-0.008 χ^2/NDF:25.4/24

Right Out: -0.004+/-0.009 χ^2/NDF: 25.3/26

Left In: -0.003+/-0.008 χ^2/NDF:19.2/22

Left: 0.005+/-0.006 χ^2/NDF: 46.7/47

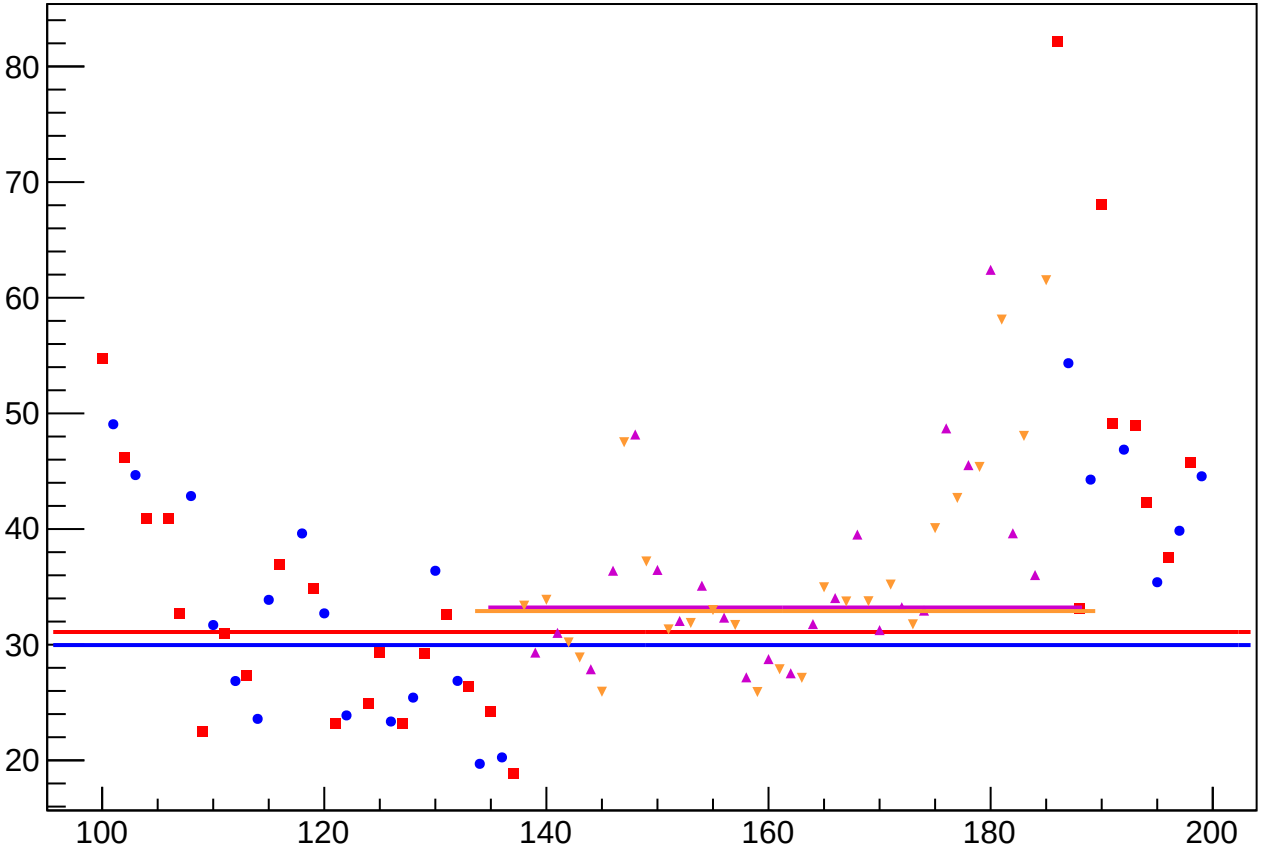
Right: -0.005+/-0.007 χ^2/NDF: 51.4/48

In: -0.004+/-0.006 χ^2/NDF:45.4/44

Out: 0.006+/-0.006 χ^2/NDF:52.7/51

All: 0.001+/-0.004 χ^2/NDF: 99.4/96

asym_sam_15_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.967+/-0.007 χ^2/NDF: 2053825.1/21

Left Out: 32.907+/-0.005 χ^2/NDF:1427993.7/24

Right Out: 31.097+/-0.006 χ^2/NDF: 2038099.9/26

Left In: 33.217+/-0.006 χ^2/NDF:1221516.5/22

Left: 33.056+/-0.004 χ^2/NDF: 2651077.1/47

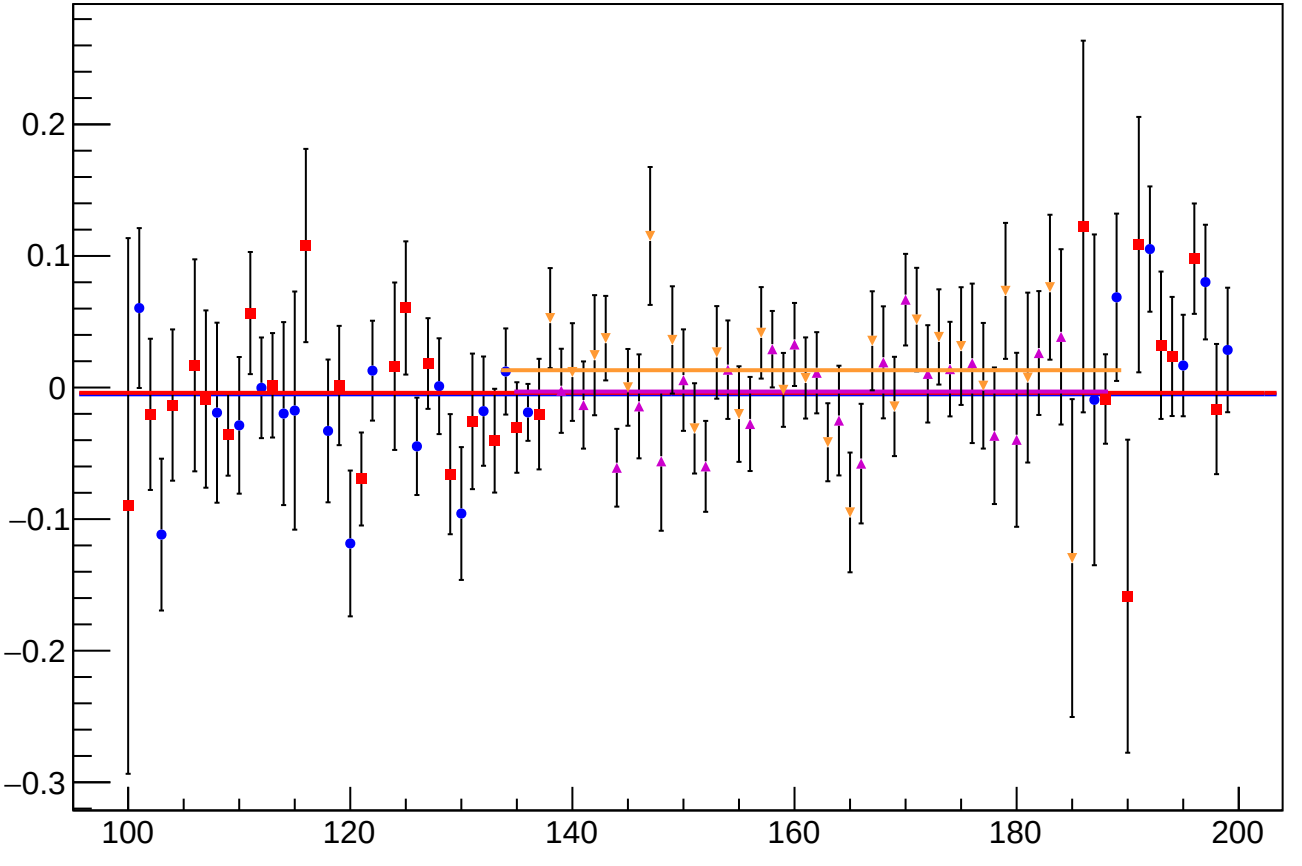
Right: 30.543+/-0.005 χ^2/NDF: 4106813.0/48

In: 31.850+/-0.004 χ^2/NDF:3415442.4/44

Out: 32.162+/-0.004 χ^2/NDF:3511843.4/51

All: 32.010+/-0.003 χ^2/NDF: 6930015.8/96

asym_sam_15_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.005+/-0.009 χ^2/NDF: 26.1/21

Left Out: 0.013+/-0.008 χ^2/NDF:25.4/24

Right Out: -0.004+/-0.009 χ^2/NDF: 25.3/26

Left In: -0.003+/-0.008 χ^2/NDF:19.2/22

Left: 0.005+/-0.006 χ^2/NDF: 46.7/47

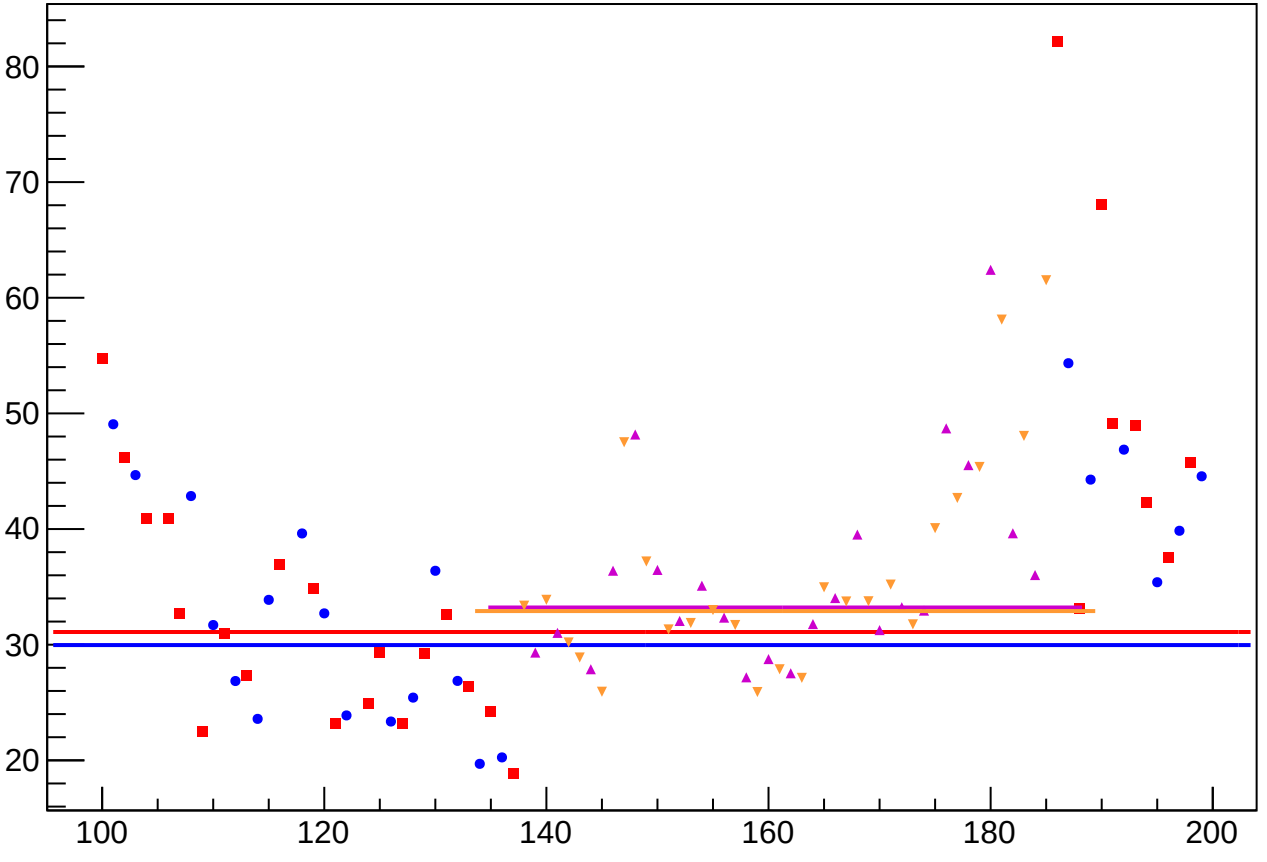
Right: -0.005+/-0.007 χ^2/NDF: 51.4/48

In: -0.004+/-0.006 χ^2/NDF:45.4/44

Out: 0.006+/-0.006 χ^2/NDF:52.7/51

All: 0.001+/-0.004 χ^2/NDF: 99.4/96

asym_sam_15_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.967+/-0.007 χ^2/NDF: 2053825.1/21

Left Out: 32.907+/-0.005 χ^2/NDF:1427993.7/24

Right Out: 31.097+/-0.006 χ^2/NDF: 2038099.9/26

Left In: 33.217+/-0.006 χ^2/NDF:1221516.5/22

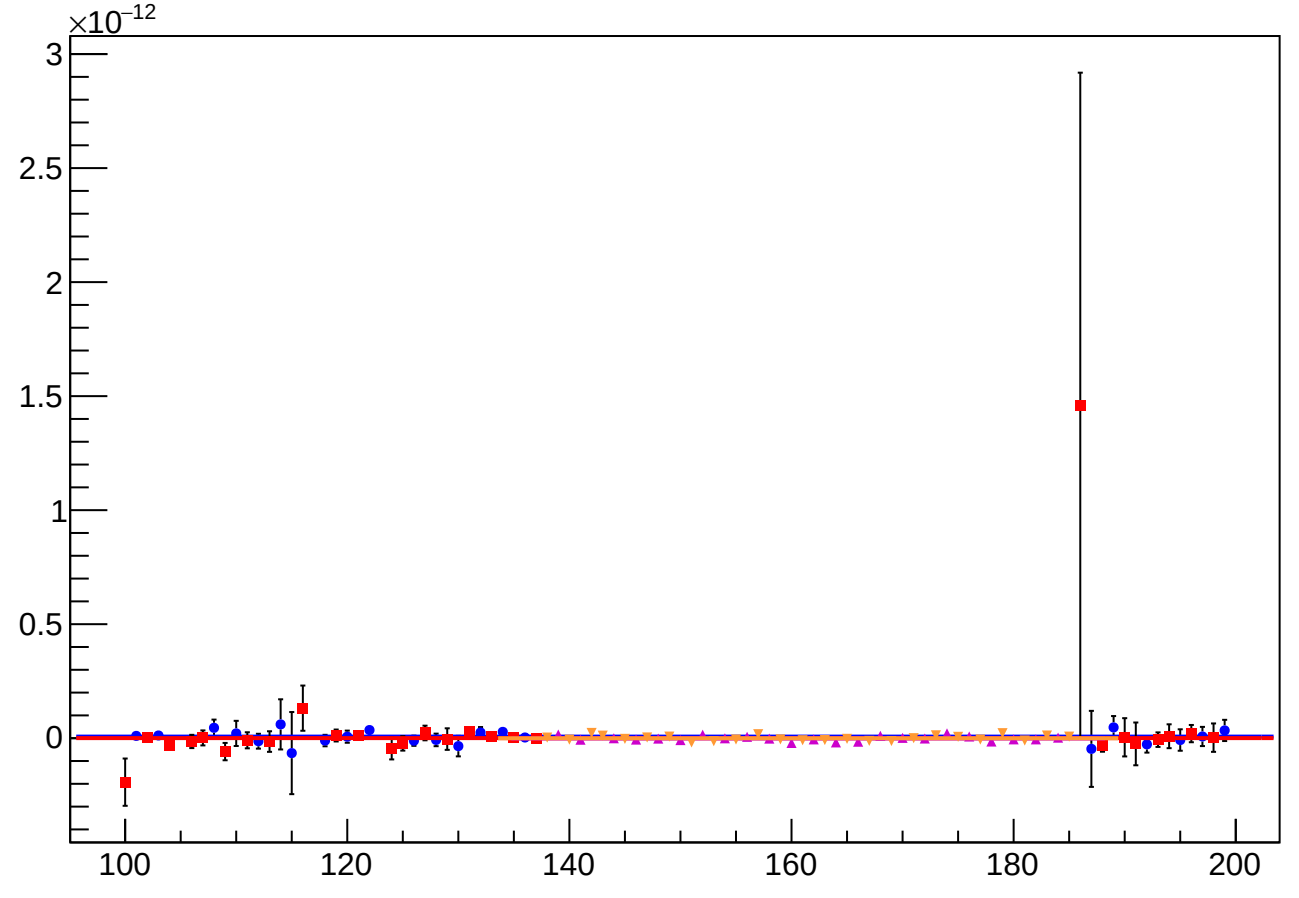
Left: 33.056+/-0.004 χ^2/NDF: 2651077.1/47

Right: 30.543+/-0.005 χ^2/NDF: 4106813.0/48

In: 31.850+/-0.004 χ^2/NDF:3415442.4/44

Out: 32.162+/-0.004 χ^2/NDF:3511843.4/51

All: 32.010+/-0.003 χ^2/NDF: 6930015.8/96



Right In: 0.000+/-0.000 χ^2/NDF: 10.4/21

Left Out: -0.000+/-0.000 χ^2/NDF:31.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 18.3/26

Left In: -0.000+/-0.000 χ^2/NDF:25.3/22

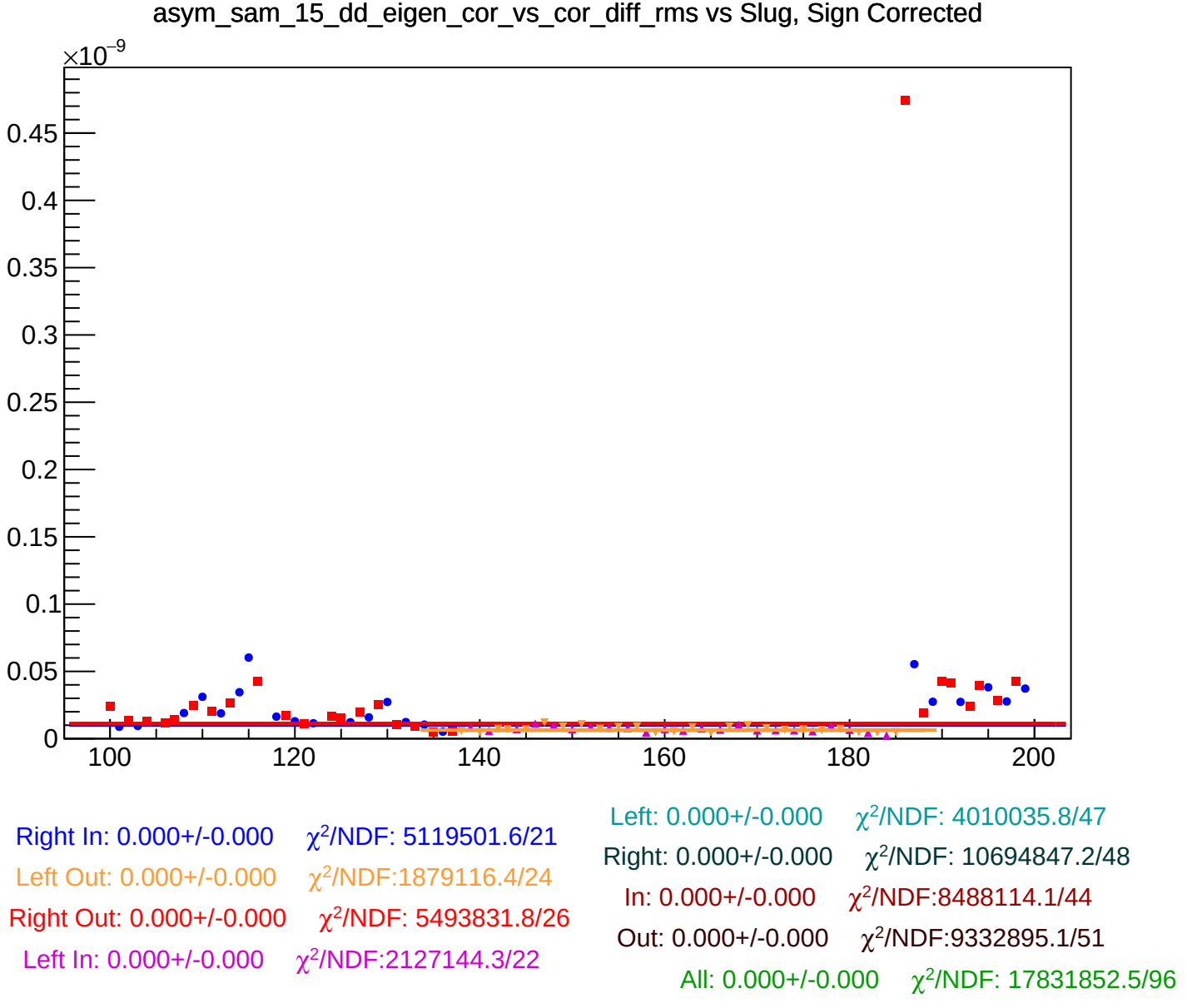
Left: -0.000+/-0.000 χ^2/NDF: 56.5/47

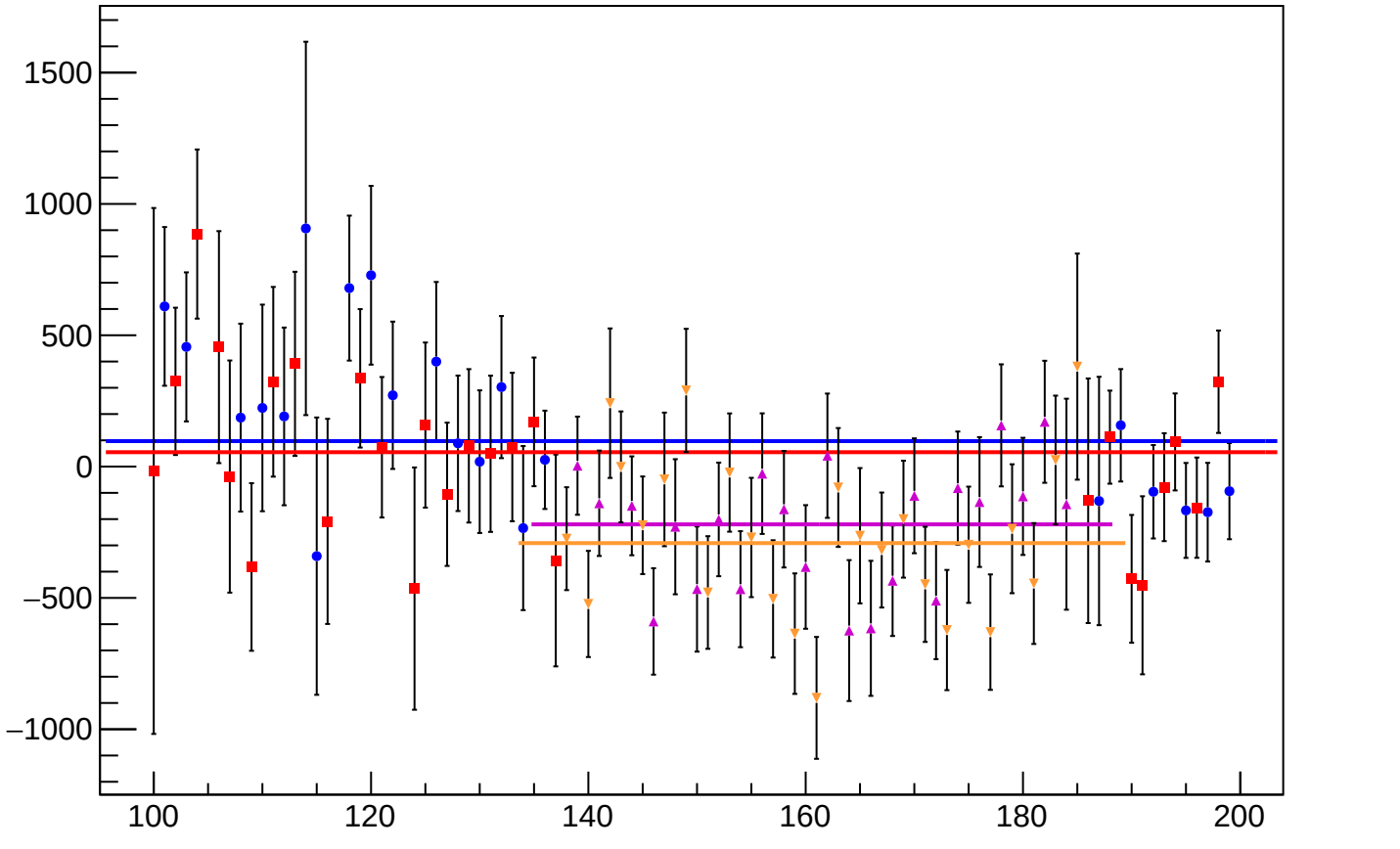
Right: 0.000+/-0.000 χ^2/NDF: 29.7/48

In: 0.000+/-0.000 χ^2/NDF:38.6/44

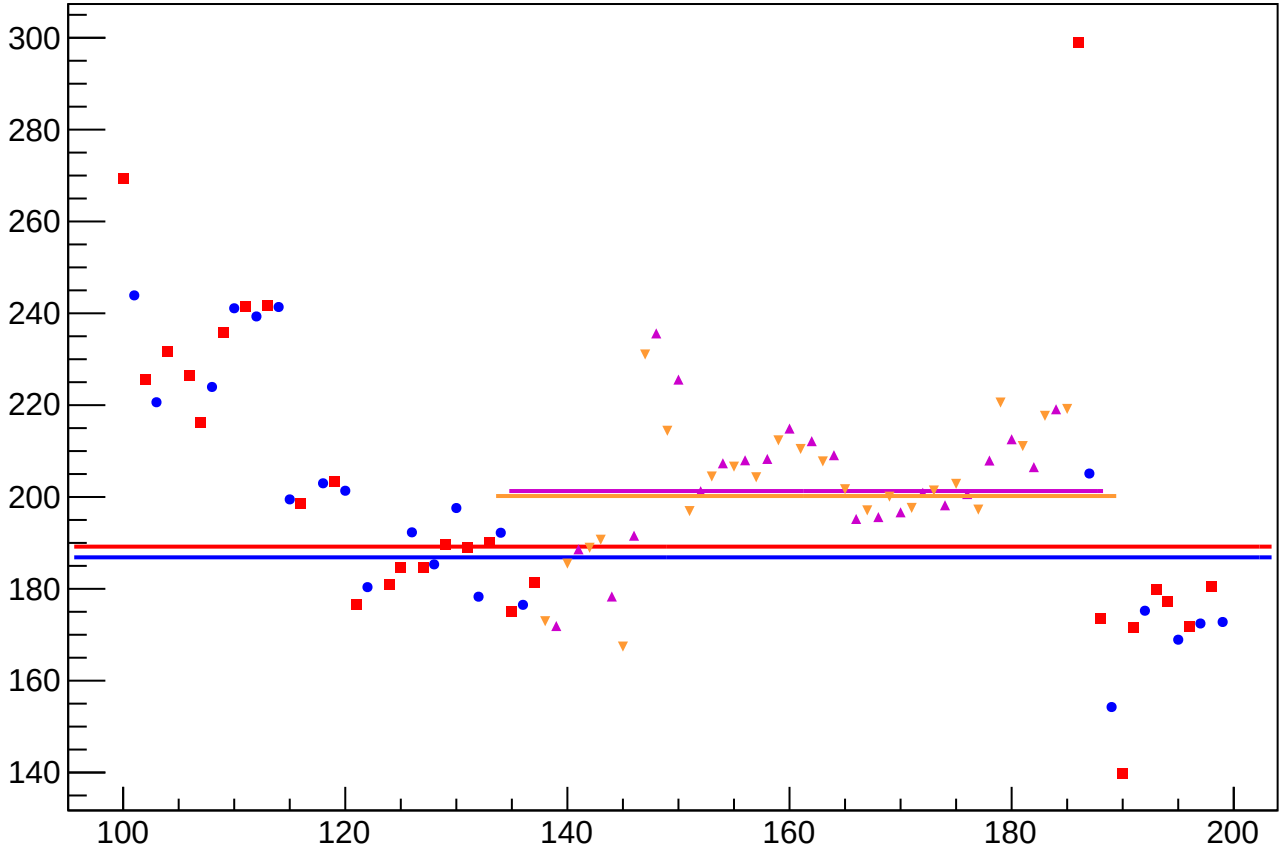
Out: -0.000+/-0.000 χ^2/NDF:49.4/51

All: -0.000+/-0.000 χ^2/NDF: 87.9/96


asym_sam_15_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 5119501.6/21
Left Out: 0.000+/-0.000 χ²/NDF:1879116.4/24
Right Out: 0.000+/-0.000 χ²/NDF: 5493831.8/26
Left In: 0.000+/-0.000 χ²/NDF:2127144.3/22
Left: 0.000+/-0.000 χ²/NDF: 4010035.8/47
Right: 0.000+/-0.000 χ²/NDF: 10694847.2/48
In: 0.000+/-0.000 χ²/NDF:8488114.1/44
Out: 0.000+/-0.000 χ²/NDF:9332895.1/51
All: 0.000+/-0.000 χ²/NDF: 17831852.5/96


reg_asym_sam_26_dd_mean vs Slug, Sign Corrected
1500
1000
500
0
−500
−1000
100
120
140
160
180
200
Right In: 97.022+/-55.462 χ²/NDF: 24.7/21
Left Out: -291.313+/-45.614 χ²/NDF:36.4/24
Right Out: 54.775+/-53.480 χ²/NDF: 26.4/26
Left In: -219.974+/-47.146 χ²/NDF:23.7/22
Left: -256.821+/-32.782 χ²/NDF: 61.3/47
Right: 75.131+/-38.498 χ²/NDF: 51.4/48
In: -87.000+/-35.921 χ²/NDF:67.4/44
Out: -145.569+/-34.705 χ²/NDF:87.0/51
All: -117.293+/-24.959 χ²/NDF: 155.8/96

reg_asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 186.859+/-0.039 χ^2/NDF: 345506.2/21

Left Out: 200.210+/-0.032 χ^2/NDF:204393.9/24

Right Out: 189.190+/-0.038 χ^2/NDF: 500295.5/26

Left In: 201.297+/-0.033 χ^2/NDF:181646.8/22

Left: 200.736+/-0.023 χ^2/NDF: 386590.4/47

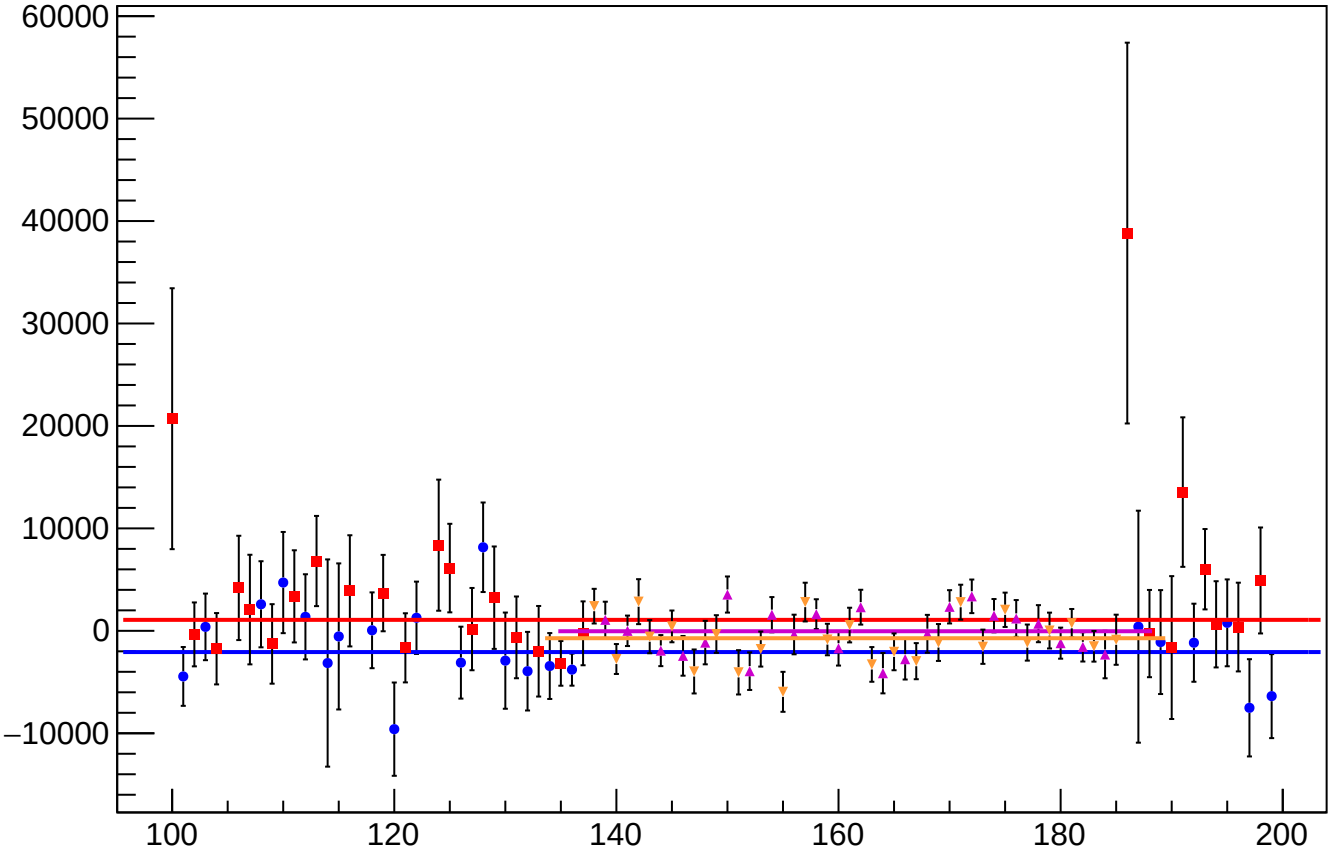
Right: 188.067+/-0.027 χ^2/NDF: 847632.0/48

In: 195.241+/-0.025 χ^2/NDF:605841.5/44

Out: 195.569+/-0.025 χ^2/NDF:753851.8/51

All: 195.410+/-0.018 χ^2/NDF: 1359779.7/96

asym_sam_26_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: -2071.948+/-783.251 χ^2/NDF: 19.3/21

Left Out: -720.700+/-346.376 χ^2/NDF:38.3/24

Right Out: 1071.246+/-805.065 χ^2/NDF: 24.4/26

Left In: -39.277+/-359.265 χ^2/NDF:34.4/22

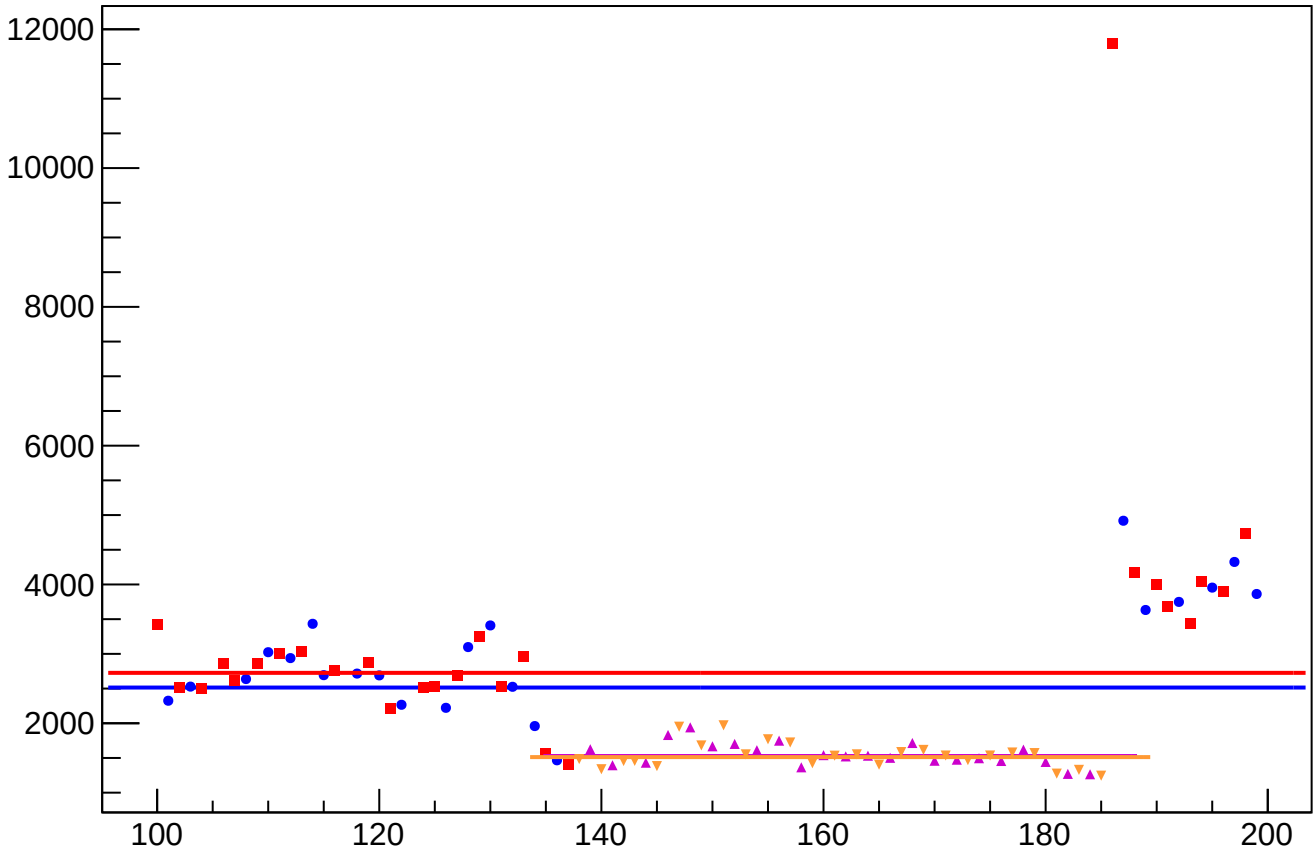
Left: -392.431+/-249.357 χ^2/NDF: 74.6/47

Right: -543.512+/-561.396 χ^2/NDF: 51.6/48

In: -392.598+/-326.552 χ^2/NDF:59.3/44

Out: -440.803+/-318.176 χ^2/NDF:66.9/51

All: -417.326+/-227.888 χ^2/NDF: 126.2/96



Right In: 2514.701+/-0.554 χ^2/NDF: 2304663.7/21

Left Out: 1512.365+/-0.245 χ^2/NDF:442558.0/24

Right Out: 2726.443+/-0.569 χ^2/NDF: 2581782.3/26

Left In: 1527.964+/-0.254 χ^2/NDF:373844.4/22

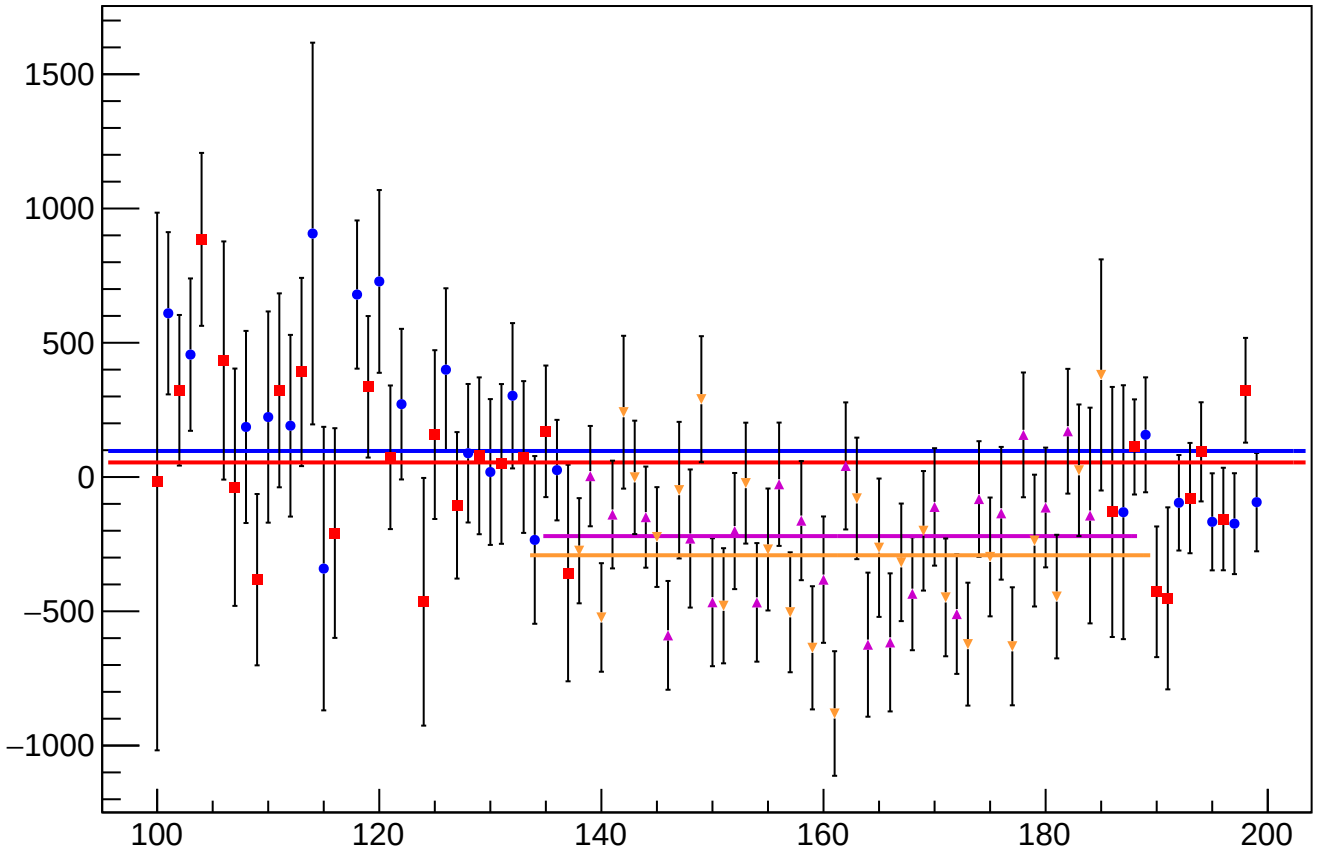
Left: 1519.879+/-0.176 χ^2/NDF: 818356.6/47

Right: 2617.664+/-0.397 χ^2/NDF: 4957521.4/48

In: 1699.479+/-0.231 χ^2/NDF:5300941.5/44

Out: 1702.001+/-0.225 χ^2/NDF:6862315.0/51

All: 1700.773+/-0.161 χ^2/NDF: 12163317.7/9



Right In: 97.022+/-55.462 χ^2/NDF: 24.7/21

Left Out: -291.316+/-45.614 χ^2/NDF:36.4/24

Right Out: 54.357+/-53.484 χ^2/NDF: 26.3/26

Left In: -219.983+/-47.146 χ^2/NDF:23.7/22

Left: -256.827+/-32.782 χ^2/NDF: 61.3/47

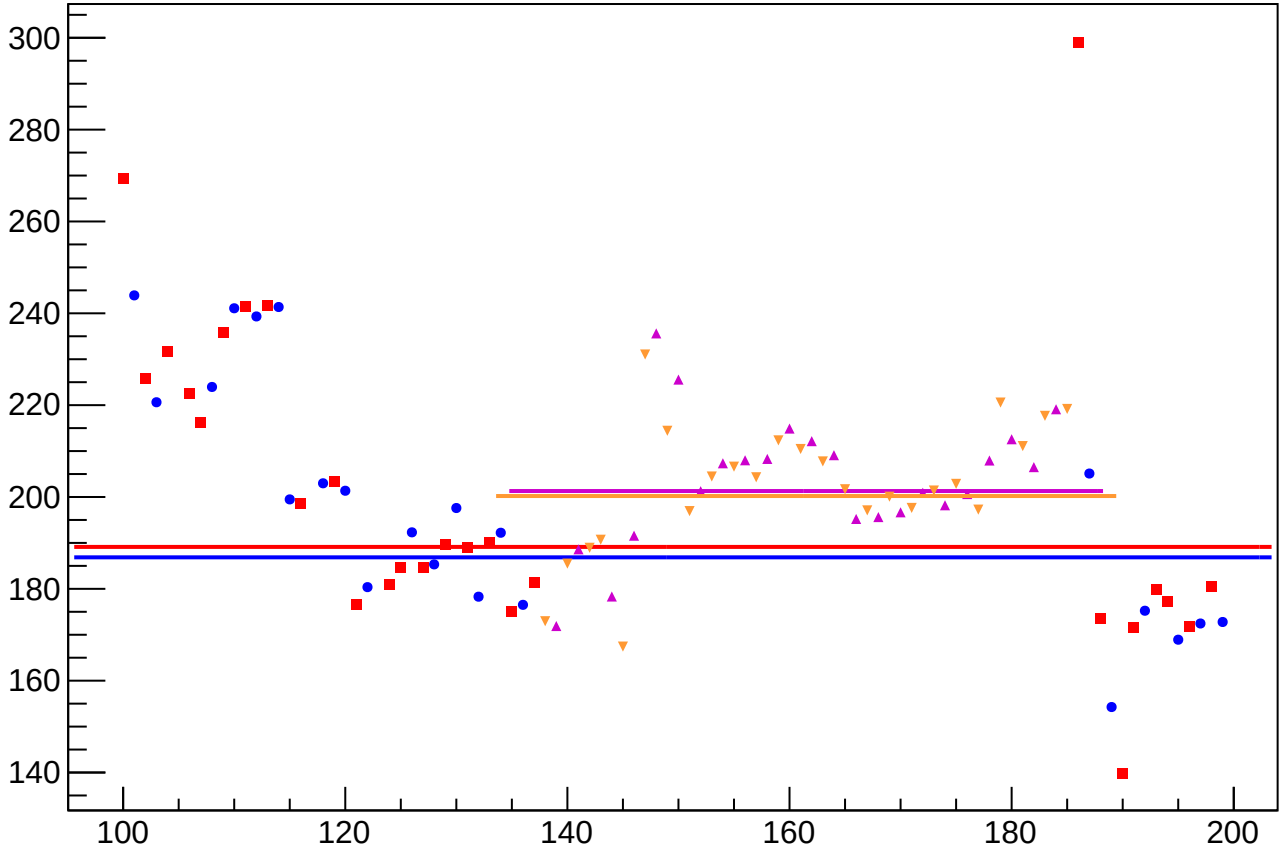
Right: 74.915+/-38.499 χ^2/NDF: 51.3/48

In: -87.006+/-35.921 χ^2/NDF:67.4/44

Out: -145.759+/-34.706 χ^2/NDF:86.8/51

All: -117.393+/-24.959 χ^2/NDF: 155.6/96

cor_asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 186.859+/-0.039 χ^2/NDF: 345506.7/21

Left Out: 200.210+/-0.032 χ^2/NDF:204394.0/24

Right Out: 189.129+/-0.038 χ^2/NDF: 497453.5/26

Left In: 201.297+/-0.033 χ^2/NDF:181646.8/22

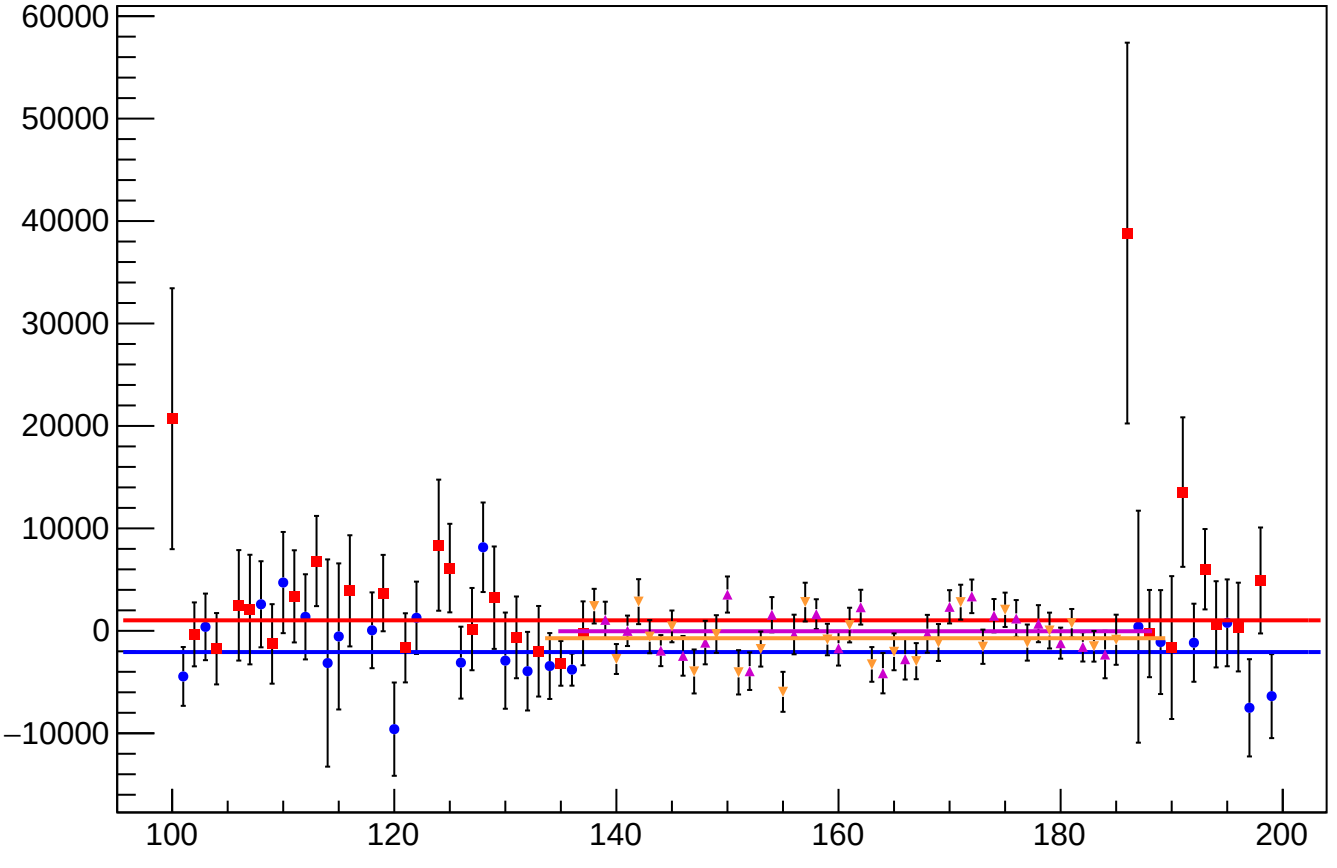
Left: 200.736+/-0.023 χ^2/NDF: 386590.4/47

Right: 188.035+/-0.027 χ^2/NDF: 844697.3/48

In: 195.241+/-0.025 χ^2/NDF:605841.9/44

Out: 195.544+/-0.025 χ^2/NDF:751543.2/51

All: 195.398+/-0.018 χ^2/NDF: 1357458.9/96



Right In: -2071.920+/-783.252 χ^2/NDF: 19.3/21

Left Out: -720.705+/-346.376 χ^2/NDF:38.3/24

Right Out: 1024.973+/-806.182 χ^2/NDF: 24.1/26

Left In: -39.275+/-359.265 χ^2/NDF:34.4/22

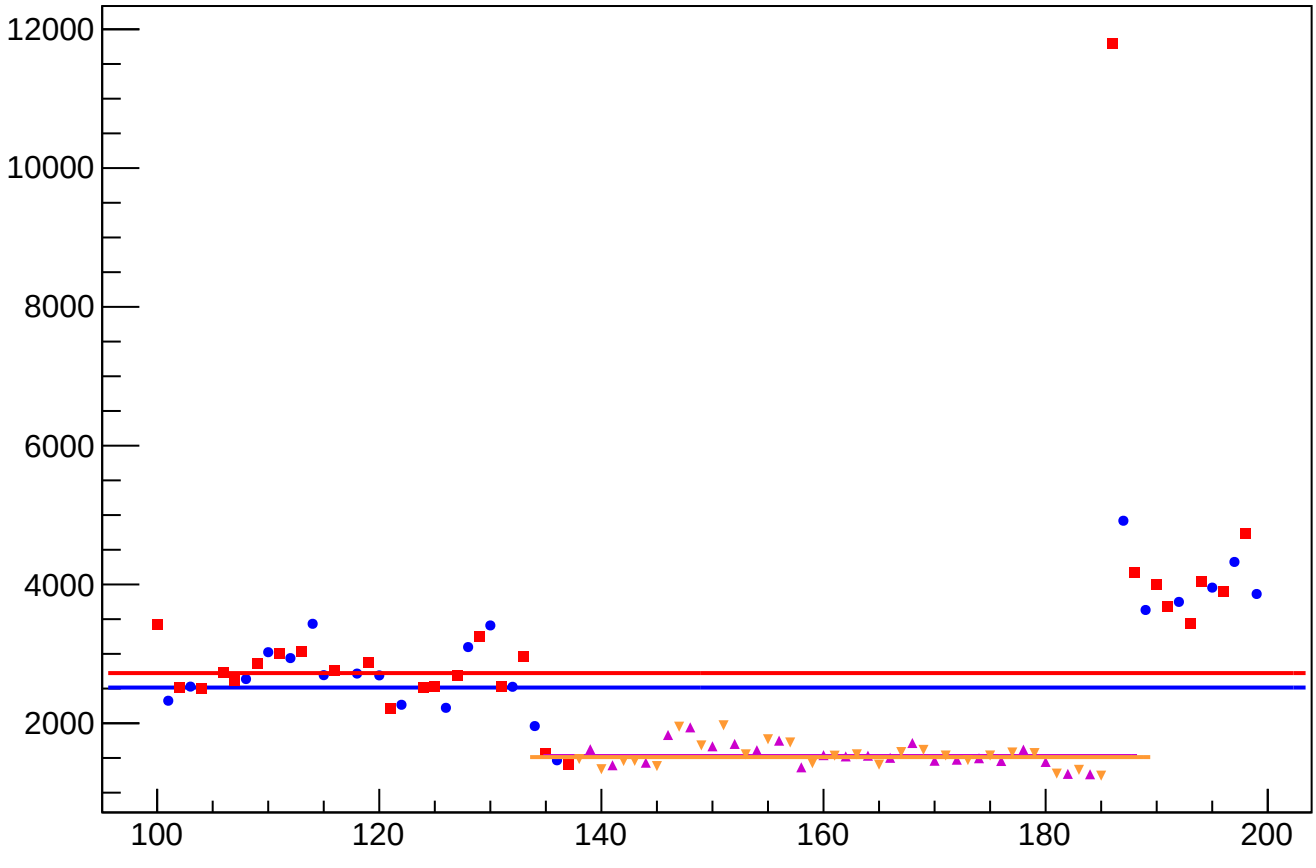
Left: -392.433+/-249.357 χ^2/NDF: 74.6/47

Right: -568.140+/-561.774 χ^2/NDF: 51.0/48

In: -392.590+/-326.552 χ^2/NDF:59.3/44

Out: -448.671+/-318.245 χ^2/NDF:66.3/51

All: -421.353+/-227.913 χ^2/NDF: 125.6/96



Right In: 2514.705+/-0.554 χ^2/NDF: 2304661.3/21

Left Out: 1512.365+/-0.245 χ^2/NDF:442559.1/24

Right Out: 2723.087+/-0.570 χ^2/NDF: 2580136.1/26

Left In: 1527.964+/-0.254 χ^2/NDF:373845.3/22

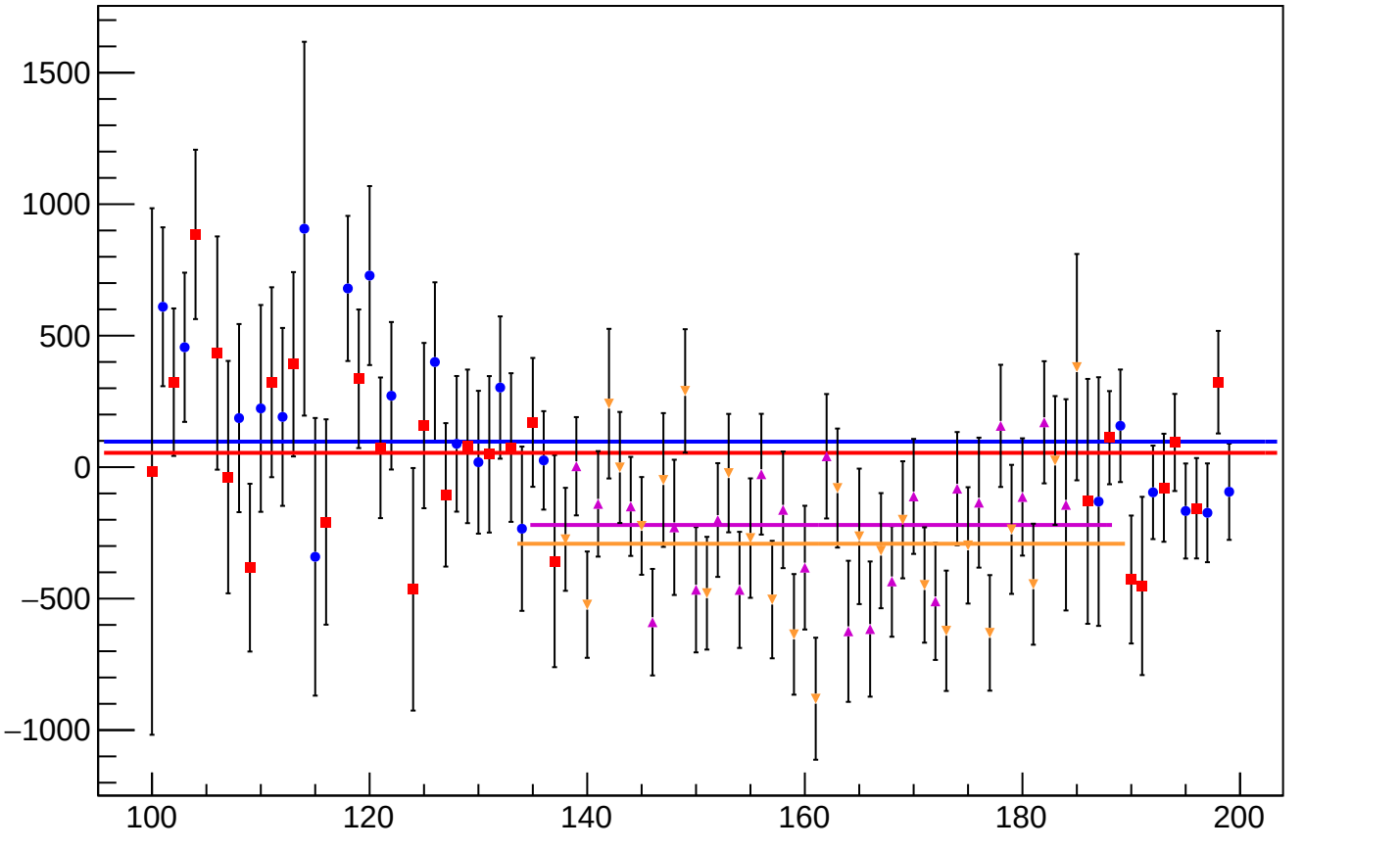
Left: 1519.880+/-0.176 χ^2/NDF: 818358.6/47

Right: 2615.890+/-0.397 χ^2/NDF: 4953536.9/48

In: 1699.480+/-0.231 χ^2/NDF:5300953.0/44

Out: 1701.035+/-0.225 χ^2/NDF:6830564.3/51

All: 1700.277+/-0.161 χ^2/NDF: 12131540.5/9



Right In: 97.022+/-55.462 χ^2/NDF: 24.7/21

Left Out: -291.316+/-45.614 χ^2/NDF:36.4/24

Right Out: 54.357+/-53.484 χ^2/NDF: 26.3/26

Left In: -219.983+/-47.146 χ^2/NDF:23.7/22

Left: -256.827+/-32.782 χ^2/NDF: 61.3/47

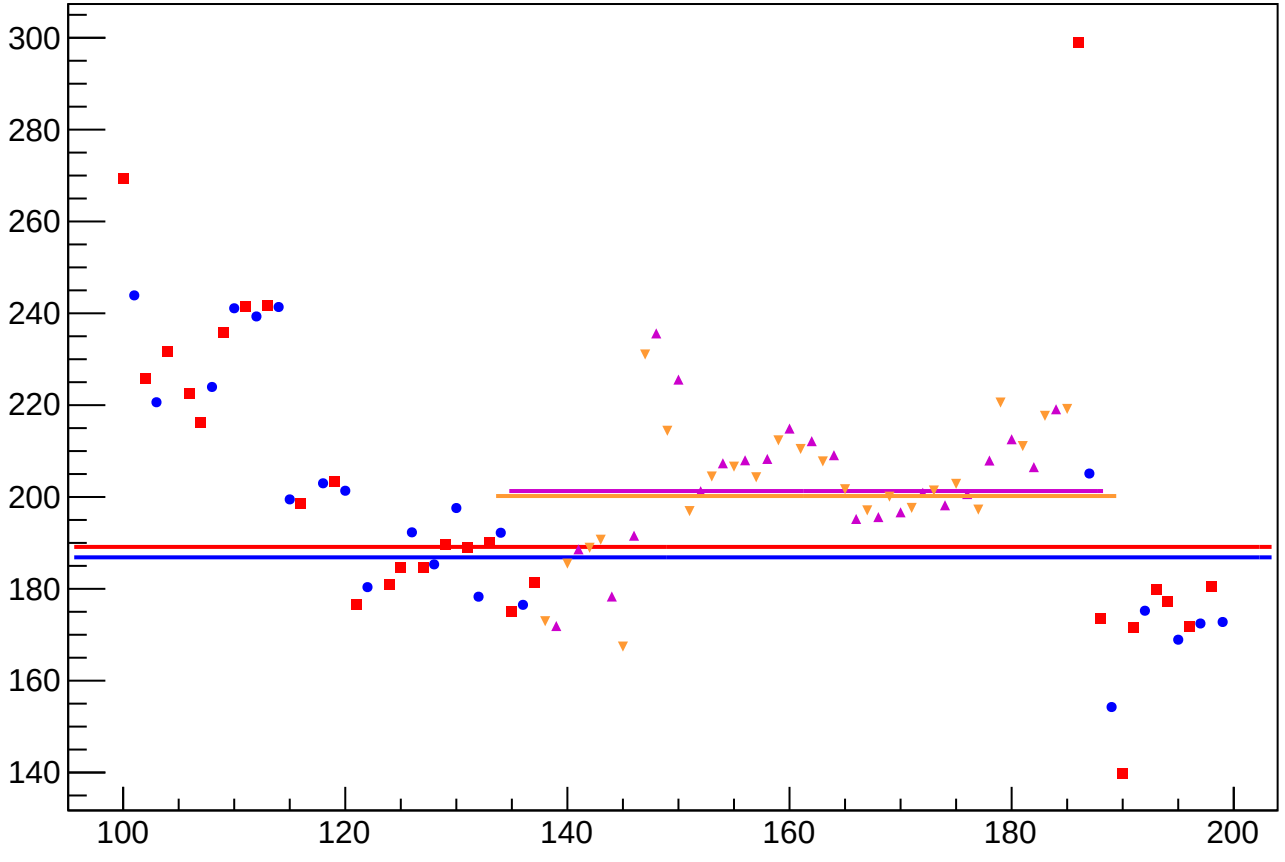
Right: 74.915+/-38.499 χ^2/NDF: 51.3/48

In: -87.006+/-35.921 χ^2/NDF:67.4/44

Out: -145.759+/-34.706 χ^2/NDF:86.8/51

All: -117.393+/-24.959 χ^2/NDF: 155.6/96

eigen_cor_asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 186.859+/-0.039 χ^2/NDF: 345506.7/21

Left Out: 200.210+/-0.032 χ^2/NDF:204394.0/24

Right Out: 189.129+/-0.038 χ^2/NDF: 497453.5/26

Left In: 201.297+/-0.033 χ^2/NDF:181646.8/22

Left: 200.736+/-0.023 χ^2/NDF: 386590.4/47

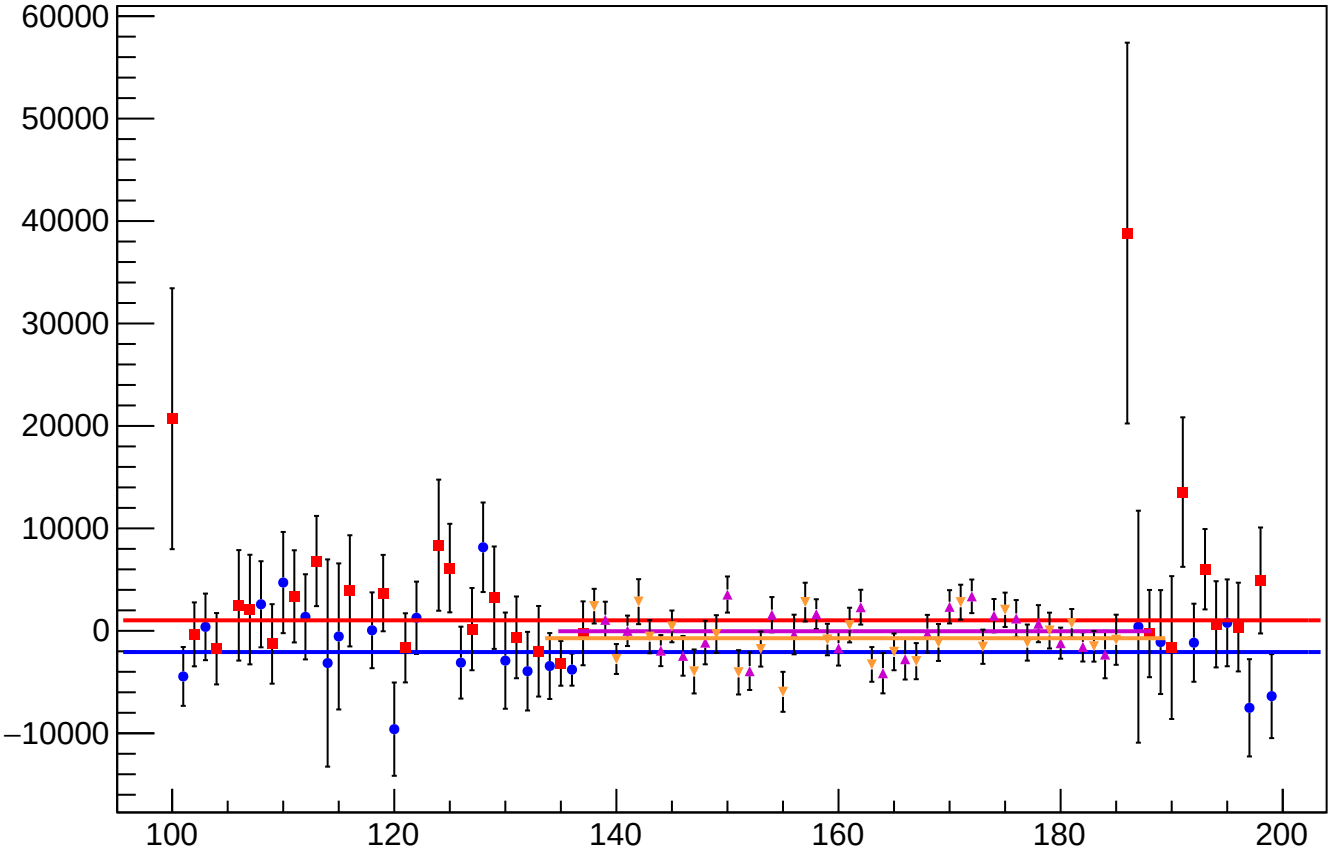
Right: 188.035+/-0.027 χ^2/NDF: 844697.3/48

In: 195.241+/-0.025 χ^2/NDF:605841.9/44

Out: 195.544+/-0.025 χ^2/NDF:751543.2/51

All: 195.398+/-0.018 χ^2/NDF: 1357458.9/96

asym_sam_26_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -2071.920+/-783.252 χ^2/NDF: 19.3/21

Left Out: -720.705+/-346.376 χ^2/NDF:38.3/24

Right Out: 1024.973+/-806.182 χ^2/NDF: 24.1/26

Left In: -39.275+/-359.265 χ^2/NDF:34.4/22

Left: -392.433+/-249.357 χ^2/NDF: 74.6/47

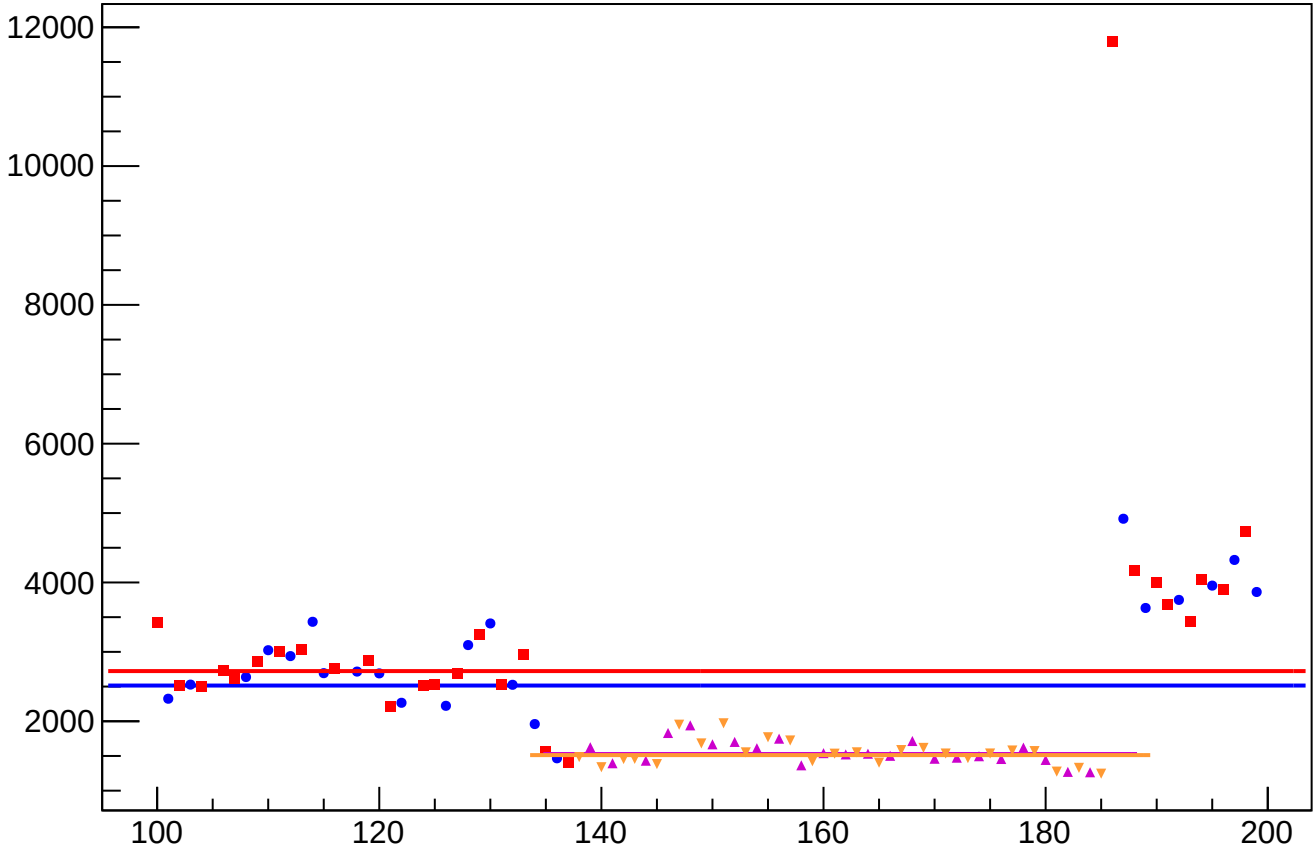
Right: -568.140+/-561.774 χ^2/NDF: 51.0/48

In: -392.590+/-326.552 χ^2/NDF:59.3/44

Out: -448.671+/-318.245 χ^2/NDF:66.3/51

All: -421.353+/-227.913 χ^2/NDF: 125.6/96

asym_sam_26_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 2514.705+/-0.554 χ^2/NDF: 2304661.3/21

Left Out: 1512.365+/-0.245 χ^2/NDF:442559.1/24

Right Out: 2723.087+/-0.570 χ^2/NDF: 2580136.1/26

Left In: 1527.964+/-0.254 χ^2/NDF:373845.3/22

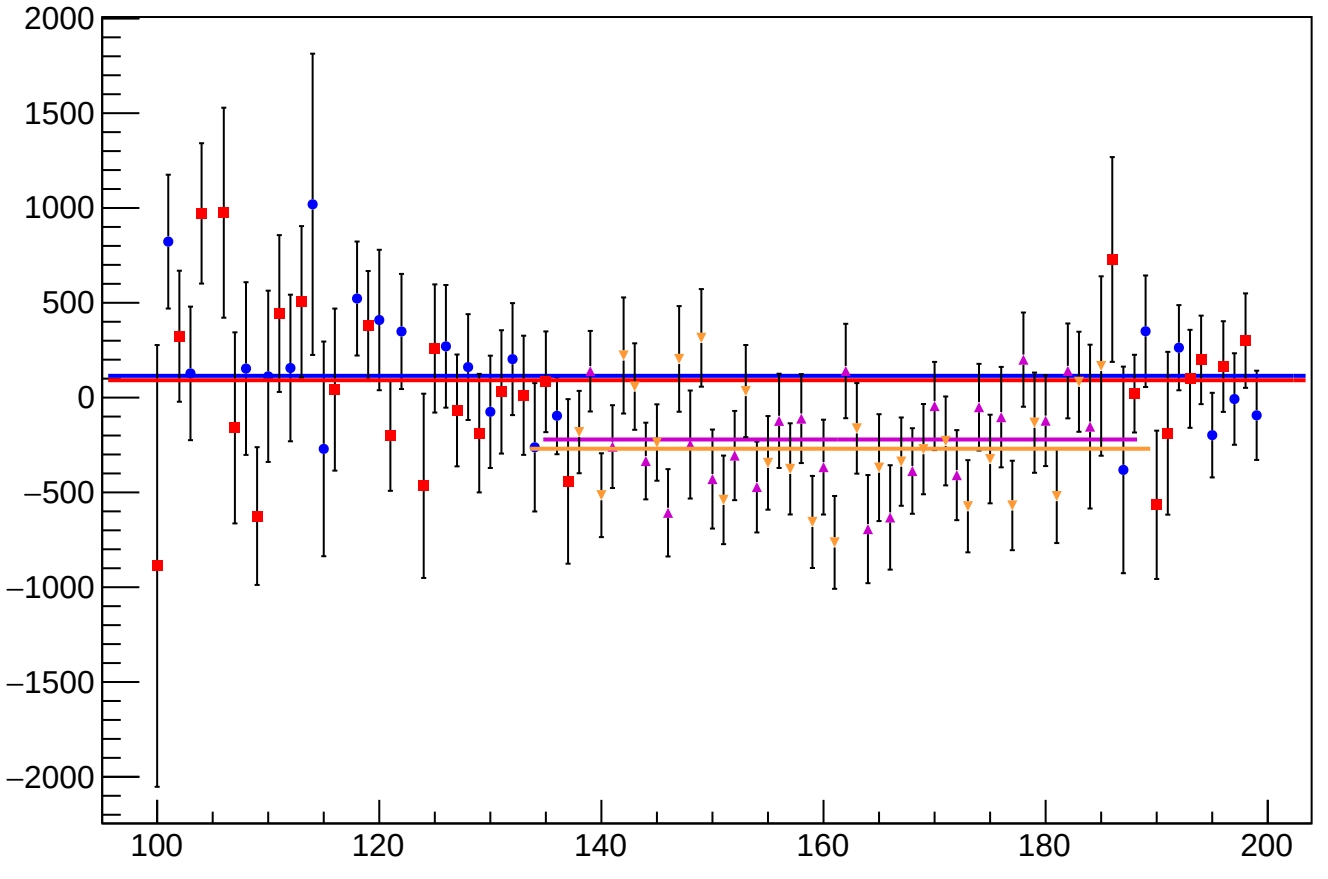
Left: 1519.880+/-0.176 χ^2/NDF: 818358.6/47

Right: 2615.890+/-0.397 χ^2/NDF: 4953536.9/48

In: 1699.480+/-0.231 χ^2/NDF:5300953.0/44

Out: 1701.035+/-0.225 χ^2/NDF:6830564.3/51

All: 1700.277+/-0.161 χ^2/NDF: 12131540.5/9



Right In: 114.871+/-65.257 χ^2/NDF: 16.9/21

Left Out: -269.678+/-49.158 χ^2/NDF:31.5/24

Right Out: 91.637+/-62.880 χ^2/NDF: 27.4/26

Left In: -220.926+/-50.956 χ^2/NDF:23.4/22

Left: -246.177+/-35.378 χ^2/NDF: 55.3/47

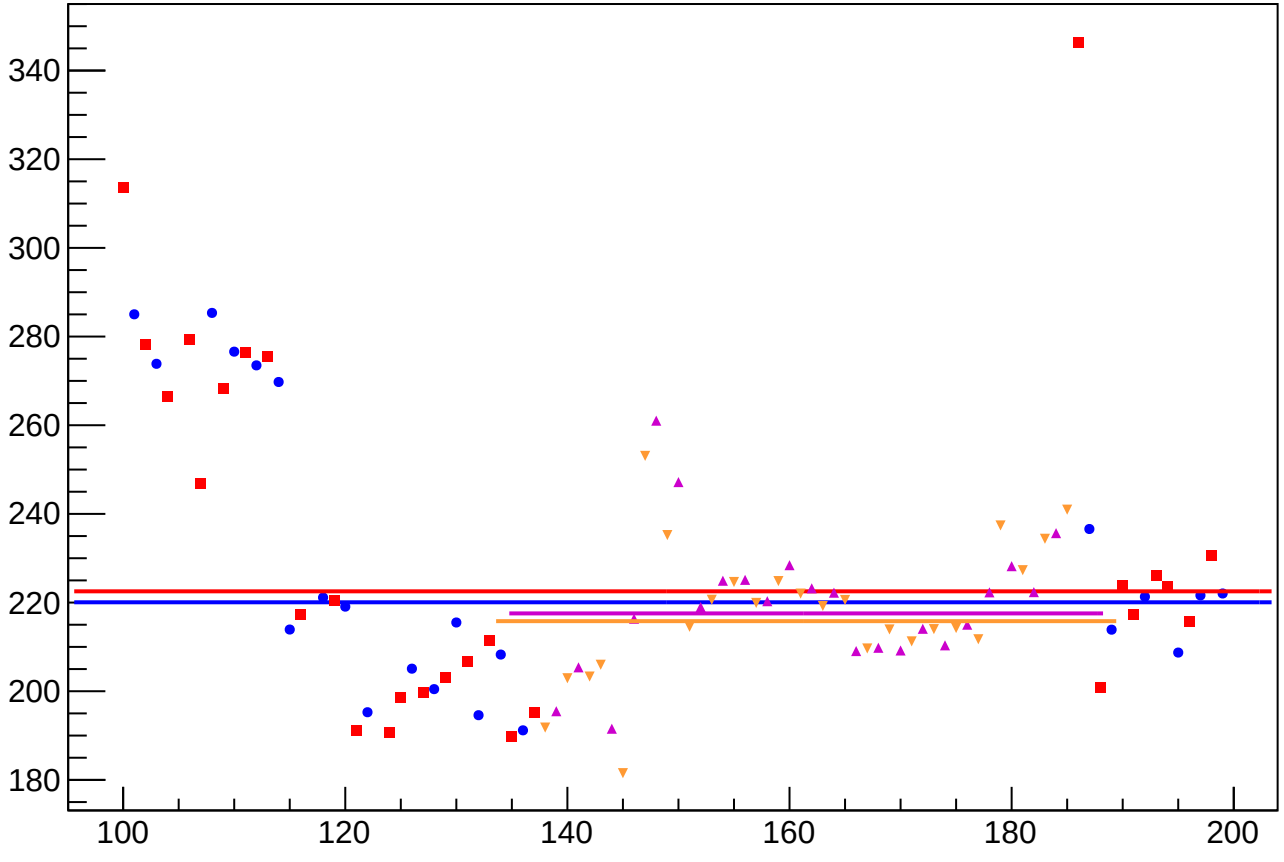
Right: 102.823+/-45.280 χ^2/NDF: 44.3/48

In: -93.735+/-40.162 χ^2/NDF:56.7/44

Out: -132.620+/-38.728 χ^2/NDF:79.4/51

All: -113.884+/-27.878 χ^2/NDF: 136.5/96

dit_asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 220.062+/-0.046 χ^2/NDF: 327218.0/21

Left Out: 215.807+/-0.035 χ^2/NDF:188699.2/24

Right Out: 222.534+/-0.044 χ^2/NDF: 459012.5/26

Left In: 217.555+/-0.036 χ^2/NDF:161066.4/22

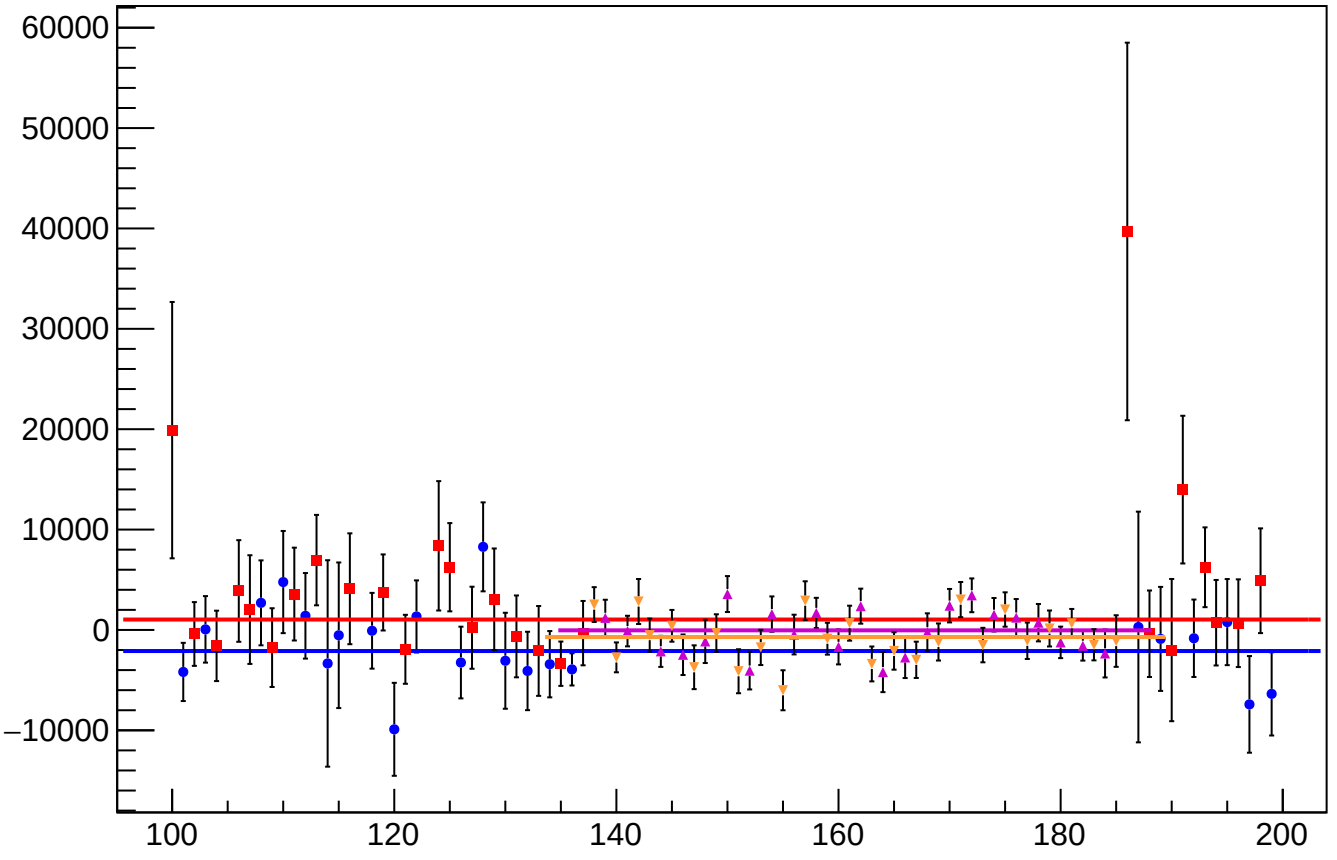
Left: 216.649+/-0.025 χ^2/NDF: 350985.0/47

Right: 221.344+/-0.032 χ^2/NDF: 787719.8/48

In: 218.504+/-0.028 χ^2/NDF:490117.8/44

Out: 218.359+/-0.027 χ^2/NDF:661922.7/51

All: 218.429+/-0.020 χ^2/NDF: 1152054.2/96



Right In: -2100.010+/-798.329 χ^2/NDF: 19.1/21

Left Out: -704.012+/-355.462 χ^2/NDF:37.6/24

Right Out: 1038.017+/-817.136 χ^2/NDF: 25.0/26

Left In: -39.658+/-368.873 χ^2/NDF:34.3/22

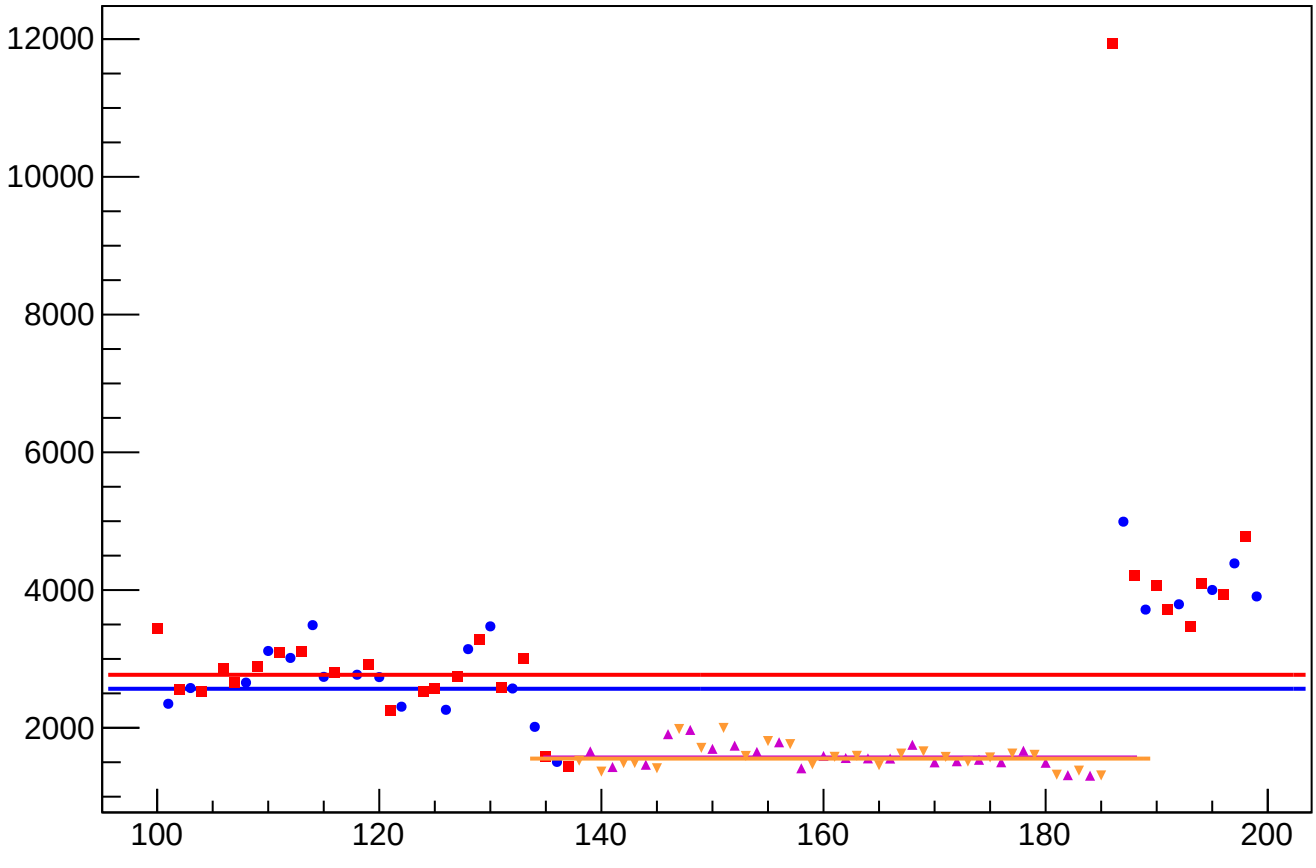
Left: -384.132+/-255.960 χ^2/NDF: 73.6/47

Right: -567.524+/-571.037 χ^2/NDF: 51.7/48

In: -402.146+/-334.856 χ^2/NDF:58.9/44

Out: -426.817+/-325.956 χ^2/NDF:66.4/51

All: -414.814+/-233.569 χ^2/NDF: 125.4/96



Right In: 2566.757+/-0.565 χ^2/NDF: 2255697.2/21

Left Out: 1553.019+/-0.251 χ^2/NDF:409933.8/24

Right Out: 2769.542+/-0.578 χ^2/NDF: 2551787.5/26

Left In: 1569.383+/-0.261 χ^2/NDF:357481.9/22

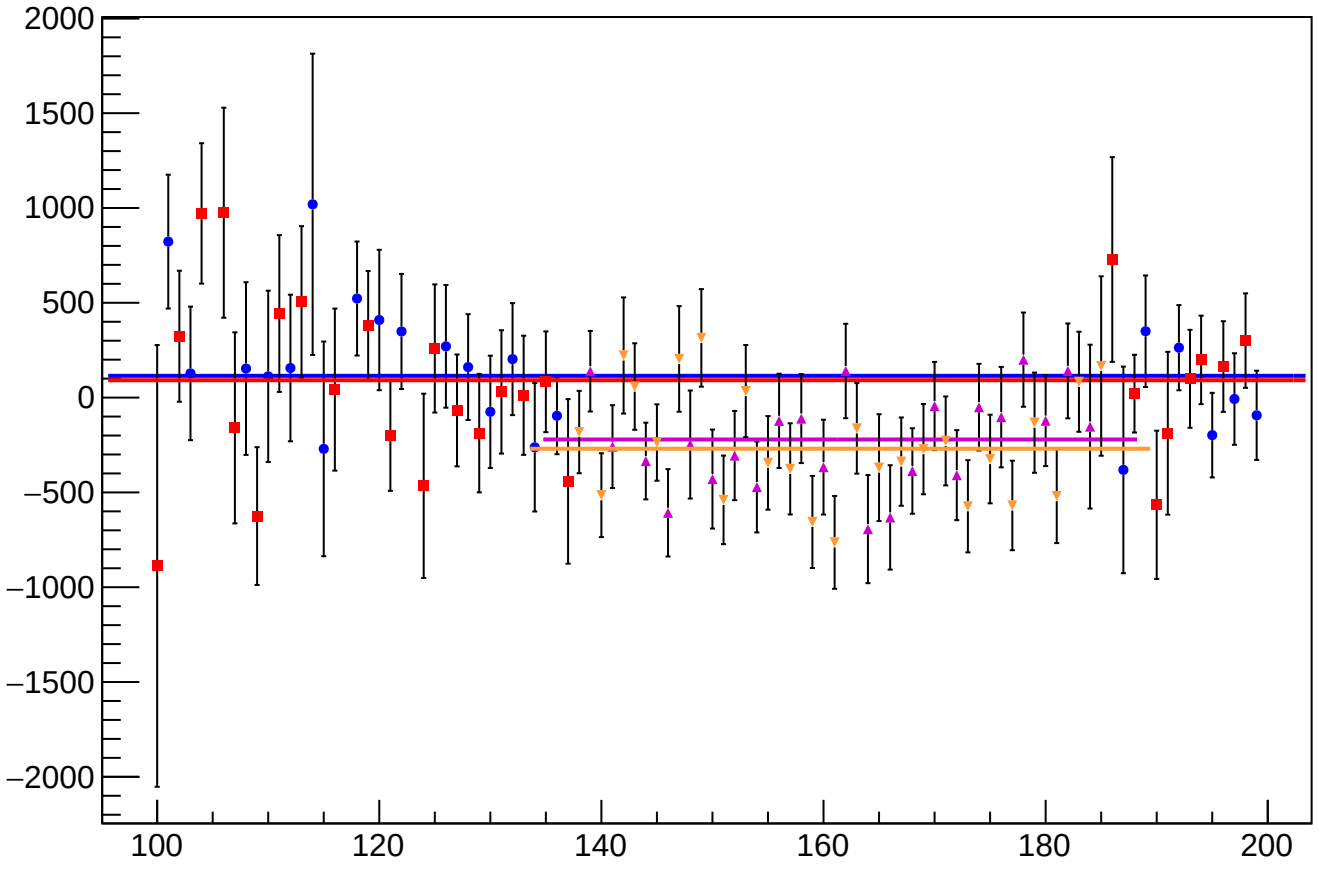
Left: 1560.898+/-0.181 χ^2/NDF: 769456.5/47

Right: 2665.789+/-0.404 χ^2/NDF: 4870504.5/48

In: 1744.856+/-0.237 χ^2/NDF:5185611.3/44

Out: 1746.595+/-0.230 χ^2/NDF:6689199.5/51

All: 1745.749+/-0.165 χ^2/NDF: 11874838.4/9



Right In: 114.873+/-65.256 χ^2/NDF: 16.9/21

Left Out: -269.680+/-49.158 χ^2/NDF:31.5/24

Right Out: 91.638+/-62.880 χ^2/NDF: 27.4/26

Left In: -220.927+/-50.956 χ^2/NDF:23.4/22

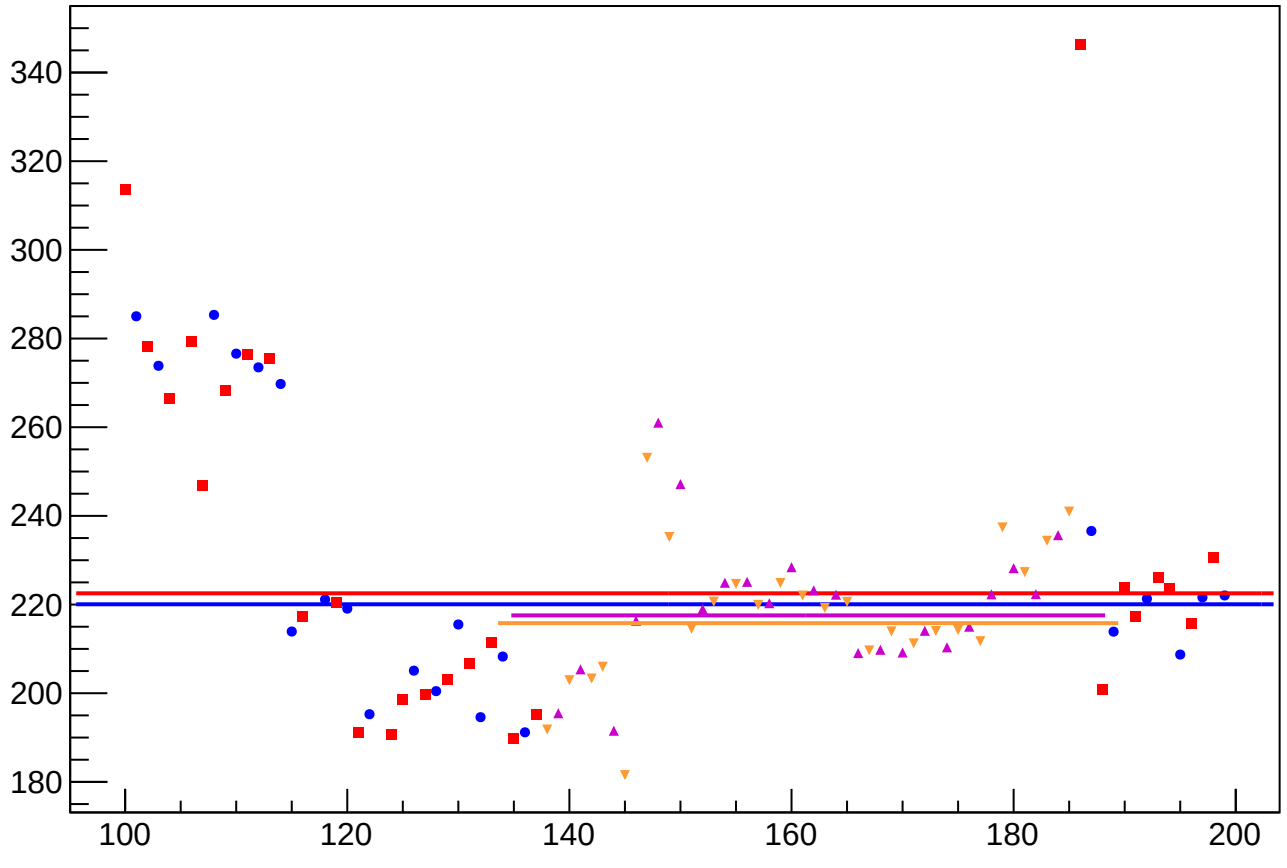
Left: -246.179+/-35.378 χ^2/NDF: 55.3/47

Right: 102.824+/-45.280 χ^2/NDF: 44.3/48

In: -93.734+/-40.162 χ^2/NDF:56.7/44

Out: -132.620+/-38.728 χ^2/NDF:79.4/51

All: -113.884+/-27.878 χ^2/NDF: 136.5/96



Right In: 220.061+/-0.046 χ^2/NDF: 327211.5/21

Left Out: 215.806+/-0.035 χ^2/NDF:188703.4/24

Right Out: 222.534+/-0.044 χ^2/NDF: 458997.6/26

Left In: 217.555+/-0.036 χ^2/NDF:161069.0/22

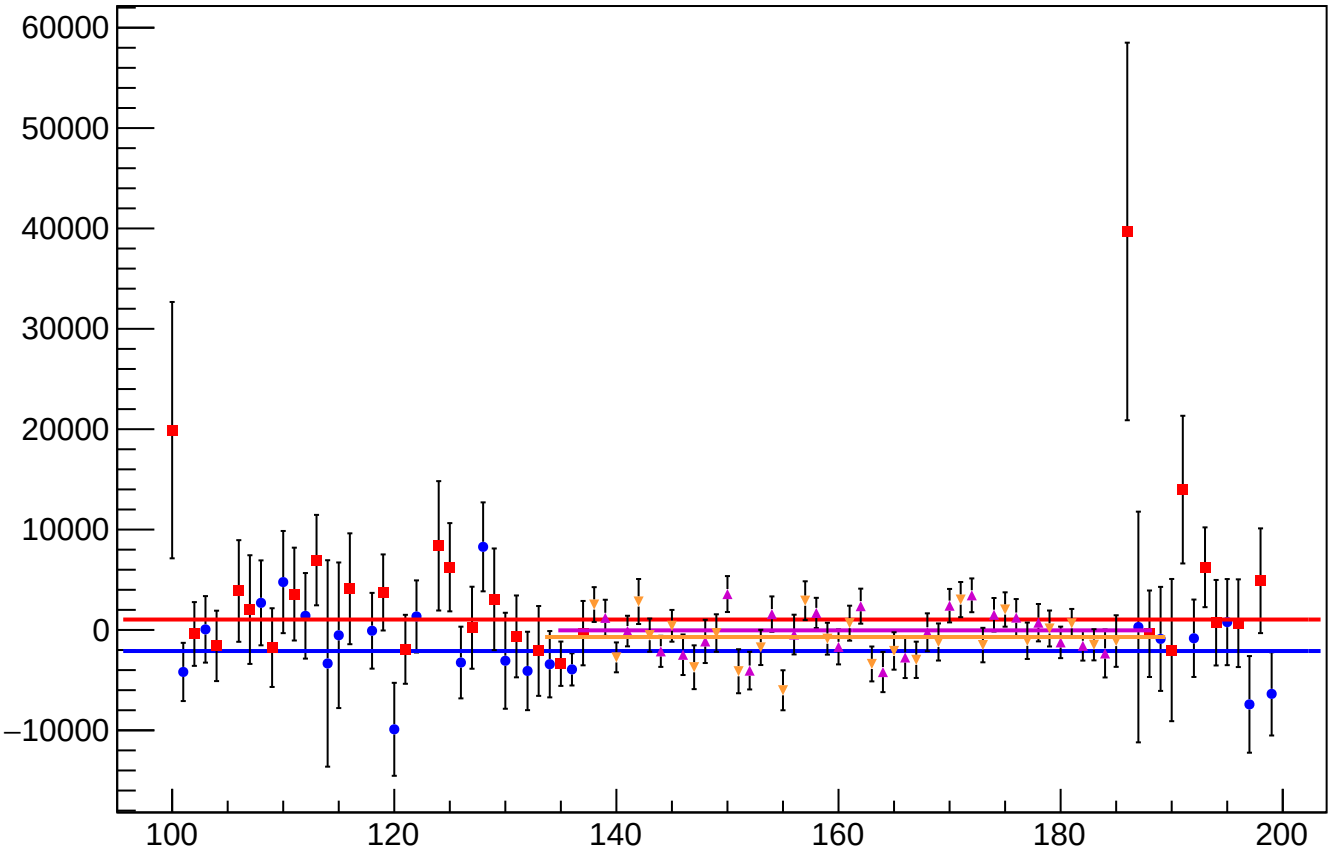
Left: 216.649+/-0.025 χ^2/NDF: 350991.6/47

Right: 221.343+/-0.032 χ^2/NDF: 787698.7/48

In: 218.504+/-0.028 χ^2/NDF:490113.1/44

Out: 218.358+/-0.027 χ^2/NDF:661910.0/51

All: 218.428+/-0.020 χ^2/NDF: 1152036.8/96



Right In: -2100.006+/-798.328 χ^2/NDF: 19.1/21

Left Out: -704.012+/-355.462 χ^2/NDF:37.6/24

Right Out: 1038.017+/-817.135 χ^2/NDF: 25.0/26

Left In: -39.657+/-368.873 χ^2/NDF:34.3/22

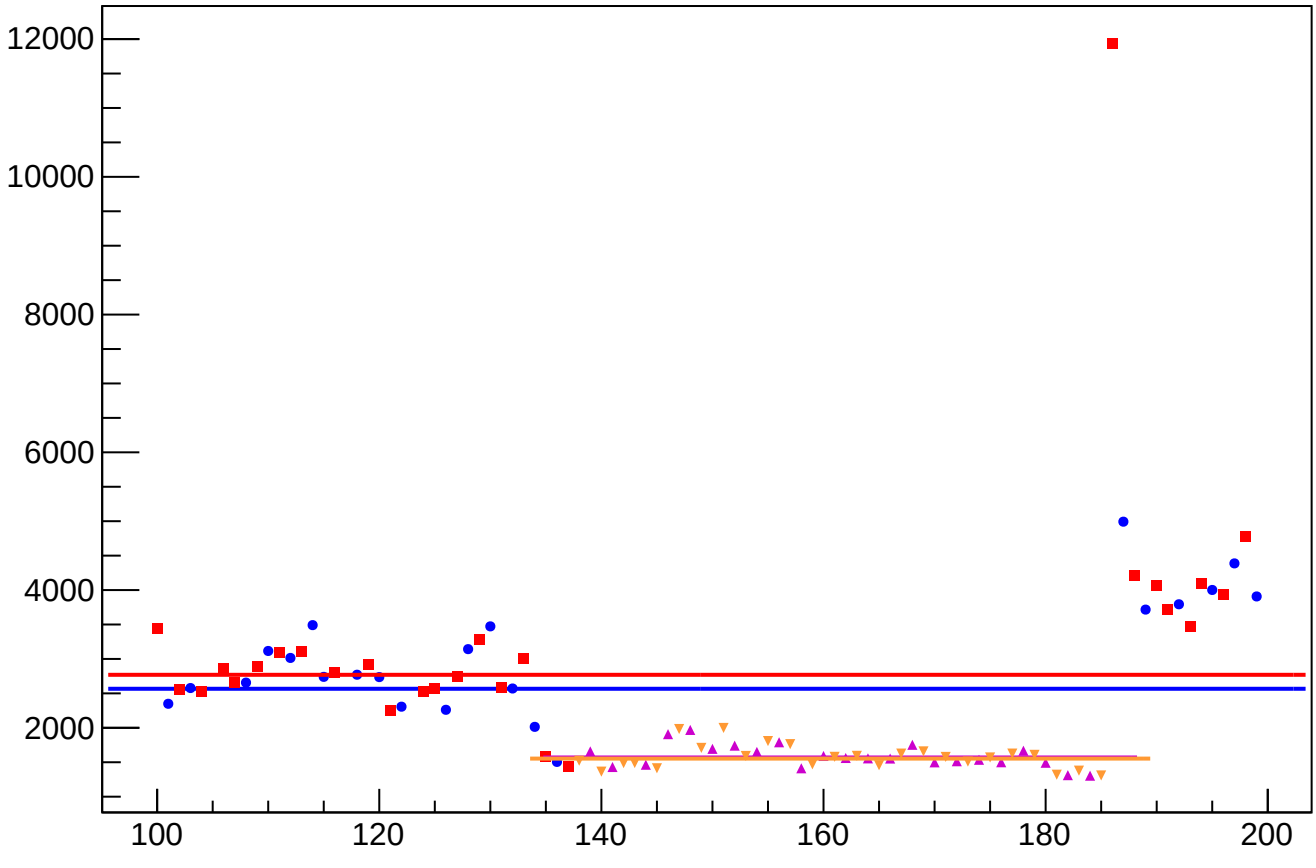
Left: -384.131+/-255.960 χ^2/NDF: 73.6/47

Right: -567.522+/-571.036 χ^2/NDF: 51.7/48

In: -402.146+/-334.856 χ^2/NDF:58.9/44

Out: -426.816+/-325.956 χ^2/NDF:66.4/51

All: -414.813+/-233.569 χ^2/NDF: 125.4/96



Right In: 2566.754+/-0.565 χ^2/NDF: 2255691.6/21

Left Out: 1553.020+/-0.251 χ^2/NDF:409936.6/24

Right Out: 2769.538+/-0.578 χ^2/NDF: 2551788.3/26

Left In: 1569.383+/-0.261 χ^2/NDF:357484.6/22

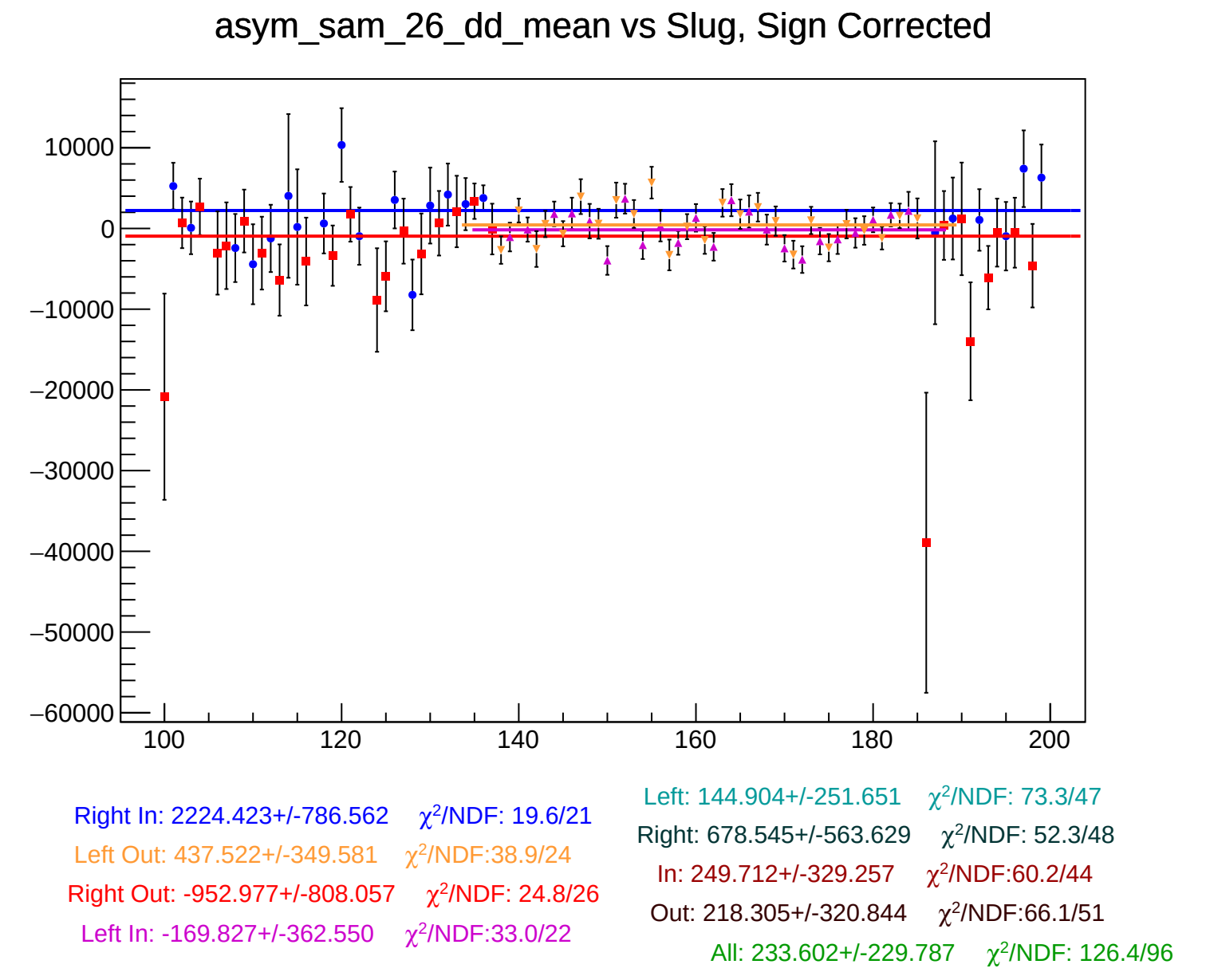
Left: 1560.899+/-0.181 χ^2/NDF: 769461.9/47

Right: 2665.786+/-0.404 χ^2/NDF: 4870499.4/48

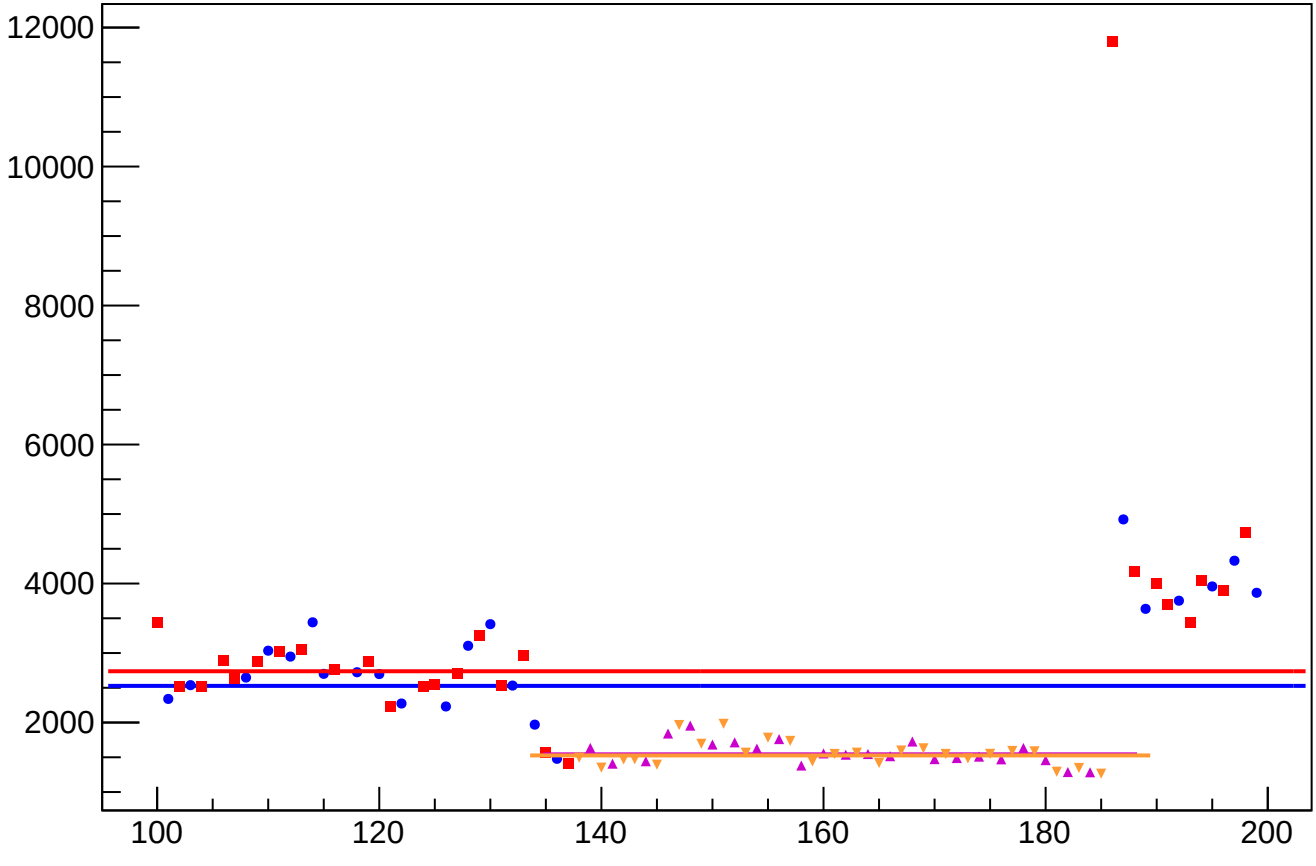
In: 1744.856+/-0.237 χ^2/NDF:5185598.2/44

Out: 1746.595+/-0.230 χ^2/NDF:6689185.7/51

All: 1745.749+/-0.165 χ^2/NDF: 11874811.6/9


asym_sam_26_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
−50000
−60000
100
120
140
160
180
200
Right In: 2224.423+/-786.562 χ²/NDF: 19.6/21
Left Out: 437.522+/-349.581 χ²/NDF:38.9/24
Right Out: -952.977+/-808.057 χ²/NDF: 24.8/26
Left In: -169.827+/-362.550 χ²/NDF:33.0/22
Left: 144.904+/-251.651 χ²/NDF: 73.3/47
Right: 678.545+/-563.629 χ²/NDF: 52.3/48
In: 249.712+/-329.257 χ²/NDF:60.2/44
Out: 218.305+/-320.844 χ²/NDF:66.1/51
All: 233.602+/-229.787 χ²/NDF: 126.4/96

asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 2527.346+/-0.556 χ^2/NDF: 2273386.9/21

Left Out: 1526.726+/-0.247 χ^2/NDF:429467.0/24

Right Out: 2737.903+/-0.571 χ^2/NDF: 2555169.5/26

Left In: 1542.262+/-0.256 χ^2/NDF:362291.1/22

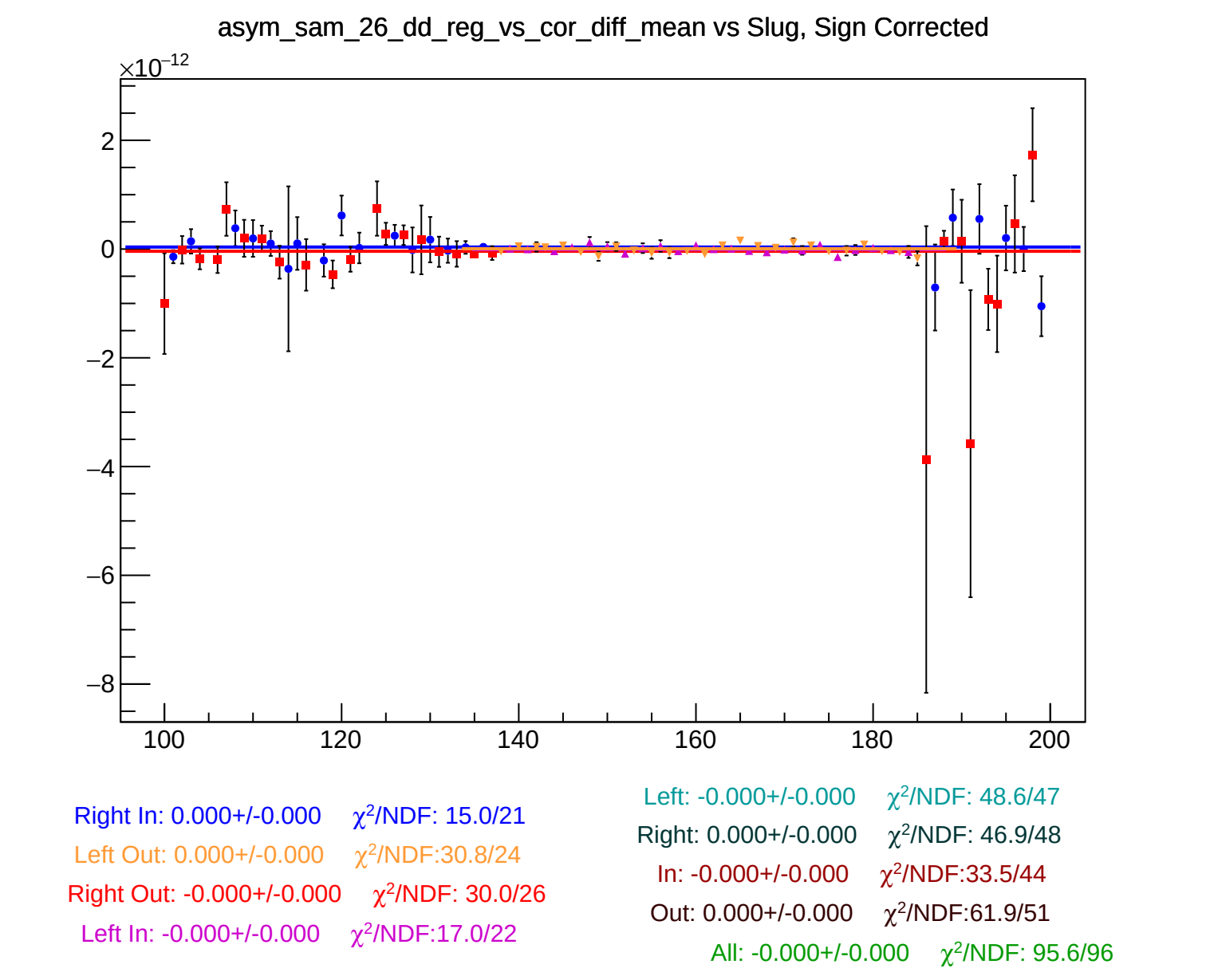
Left: 1534.211+/-0.178 χ^2/NDF: 793661.4/47

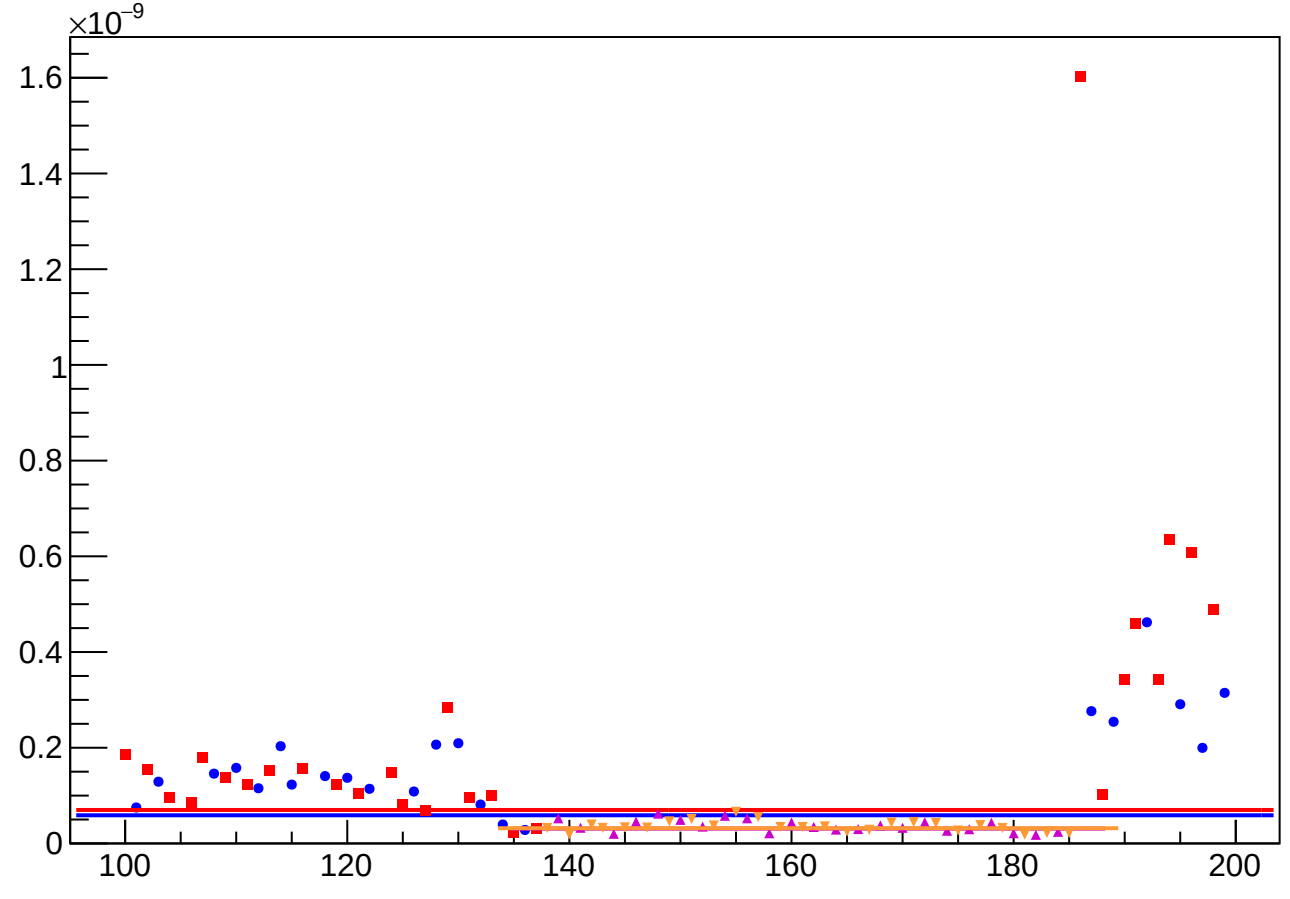
Right: 2629.787+/-0.399 χ^2/NDF: 4898284.3/48

In: 1714.877+/-0.233 χ^2/NDF:5222962.2/44

Out: 1717.672+/-0.227 χ^2/NDF:6769519.3/51

All: 1716.311+/-0.162 χ^2/NDF: 11992555.4/9


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: 15.0/21
Left Out: 0.000+/-0.000 χ²/NDF:30.8/24
Right Out: -0.000+/-0.000 χ²/NDF: 30.0/26
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: 46.9/48
In: -0.000+/-0.000 χ²/NDF:33.5/44
Out: 0.000+/-0.000 χ²/NDF:61.9/51
All: -0.000+/-0.000 χ²/NDF: 95.6/96



Right In: 0.000+/-0.000 χ^2/NDF: 4831311.0/21

Left Out: 0.000+/-0.000 χ^2/NDF:1231140.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5578773.1/26

Left In: 0.000+/-0.000 χ^2/NDF:1593815.4/22

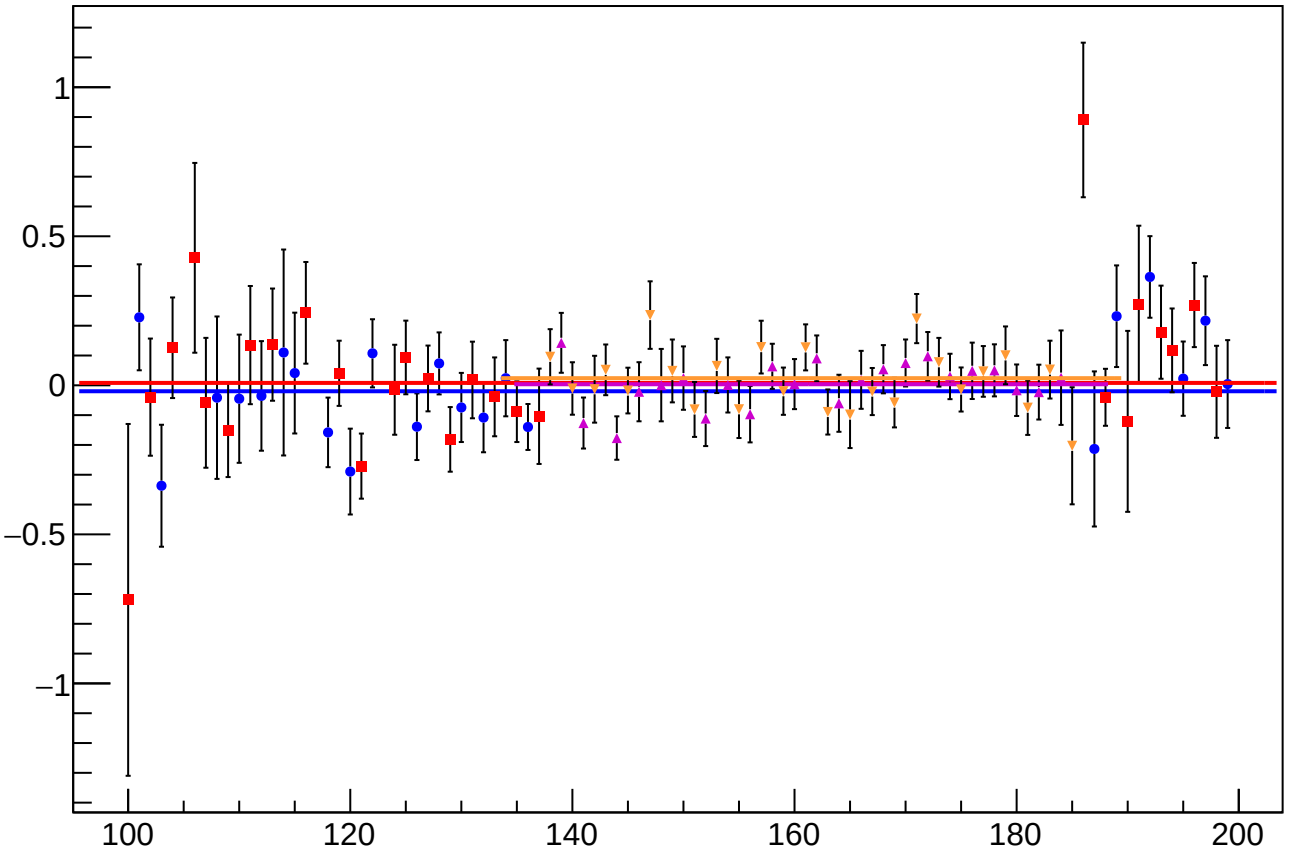
Left: 0.000+/-0.000 χ^2/NDF: 2829280.6/47

Right: 0.000+/-0.000 χ^2/NDF: 10490648.5/48

In: 0.000+/-0.000 χ^2/NDF:7499269.6/44

Out: 0.000+/-0.000 χ^2/NDF:8336858.6/51

All: 0.000+/-0.000 χ^2/NDF: 15839745.7/96



Right In: -0.020+/-0.029 χ^2/NDF: 29.3/21

Left Out: 0.024+/-0.018 χ^2/NDF:25.5/24

Right Out: 0.008+/-0.028 χ^2/NDF: 37.7/26

Left In: 0.004+/-0.019 χ^2/NDF:18.9/22

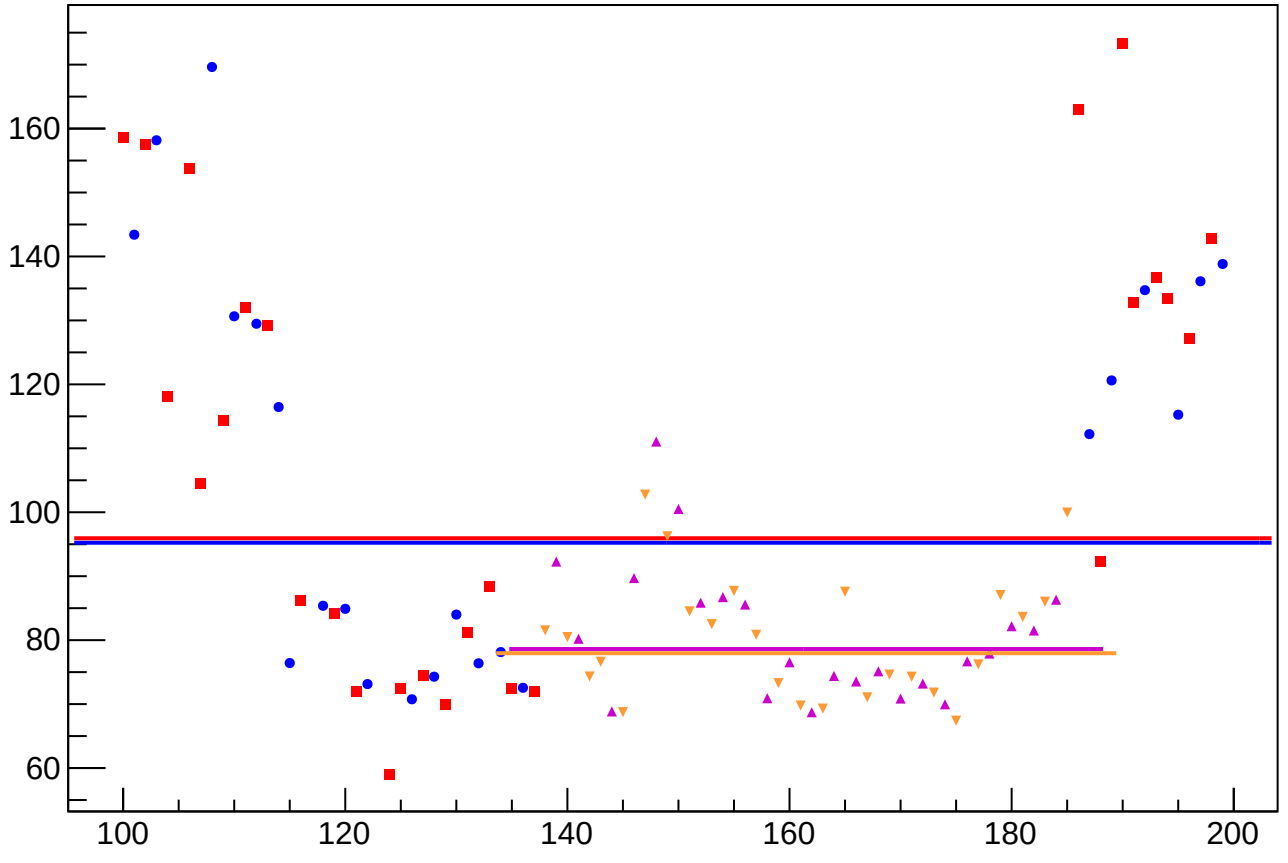
Left: 0.014+/-0.013 χ^2/NDF: 45.0/47

Right: -0.005+/-0.020 χ^2/NDF: 67.4/48

In: -0.003+/-0.016 χ^2/NDF:48.6/44

Out: 0.019+/-0.015 χ^2/NDF:63.4/51

All: 0.009+/-0.011 χ^2/NDF: 113.1/96



Right In: 95.237+/-0.021 χ^2/NDF: 1787542.1/21

Left Out: 77.957+/-0.013 χ^2/NDF:439703.9/24

Right Out: 95.938+/-0.020 χ^2/NDF: 2037165.7/26

Left In: 78.615+/-0.013 χ^2/NDF:497808.4/22

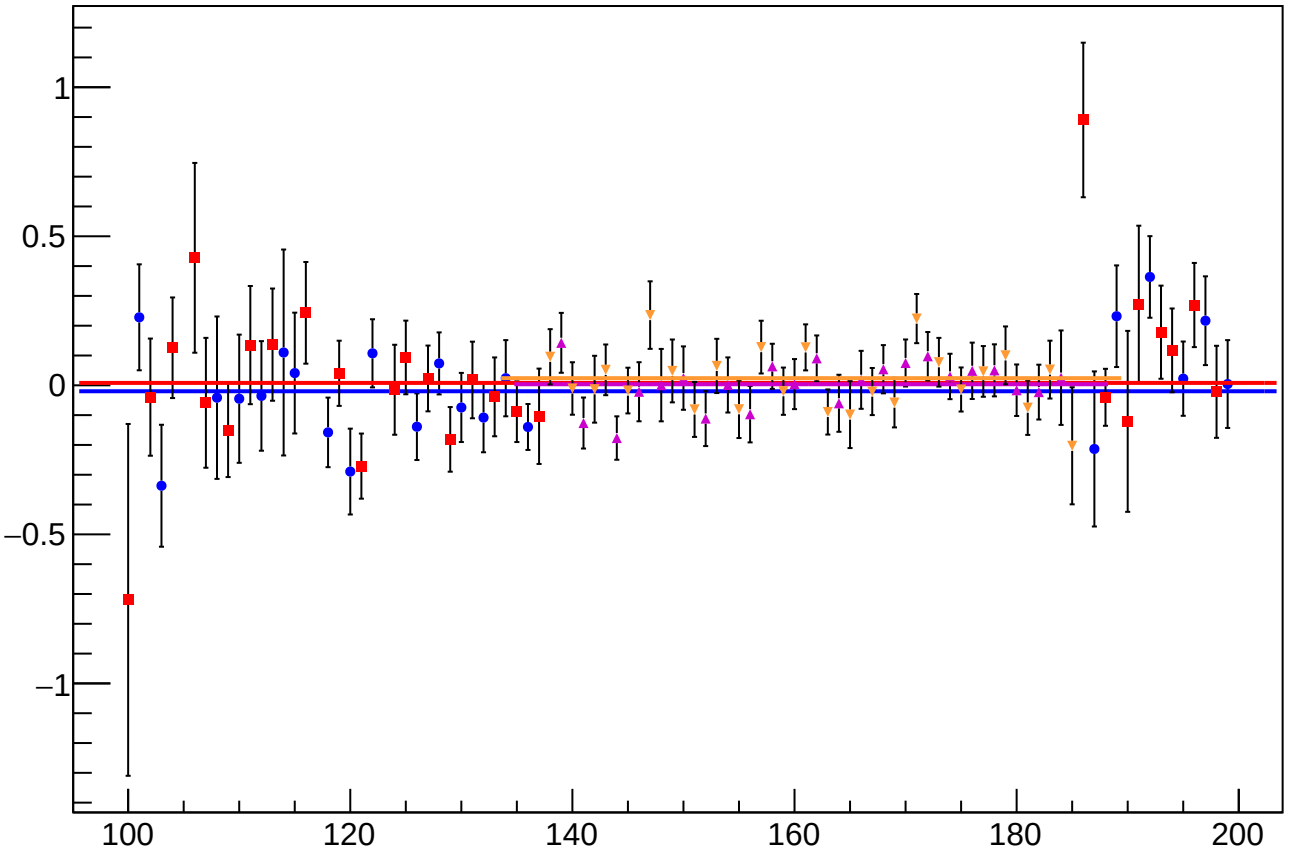
Left: 78.273+/-0.009 χ^2/NDF: 938817.0/47

Right: 95.601+/-0.014 χ^2/NDF: 3825301.1/48

In: 83.361+/-0.011 χ^2/NDF:2743120.5/44

Out: 83.092+/-0.011 χ^2/NDF:3056075.6/51

All: 83.222+/-0.008 χ^2/NDF: 5799500.5/96



Right In: -0.020+/-0.029 χ^2/NDF: 29.3/21

Left Out: 0.024+/-0.018 χ^2/NDF:25.5/24

Right Out: 0.008+/-0.028 χ^2/NDF: 37.7/26

Left In: 0.004+/-0.019 χ^2/NDF:18.9/22

Left: 0.014+/-0.013 χ^2/NDF: 45.0/47

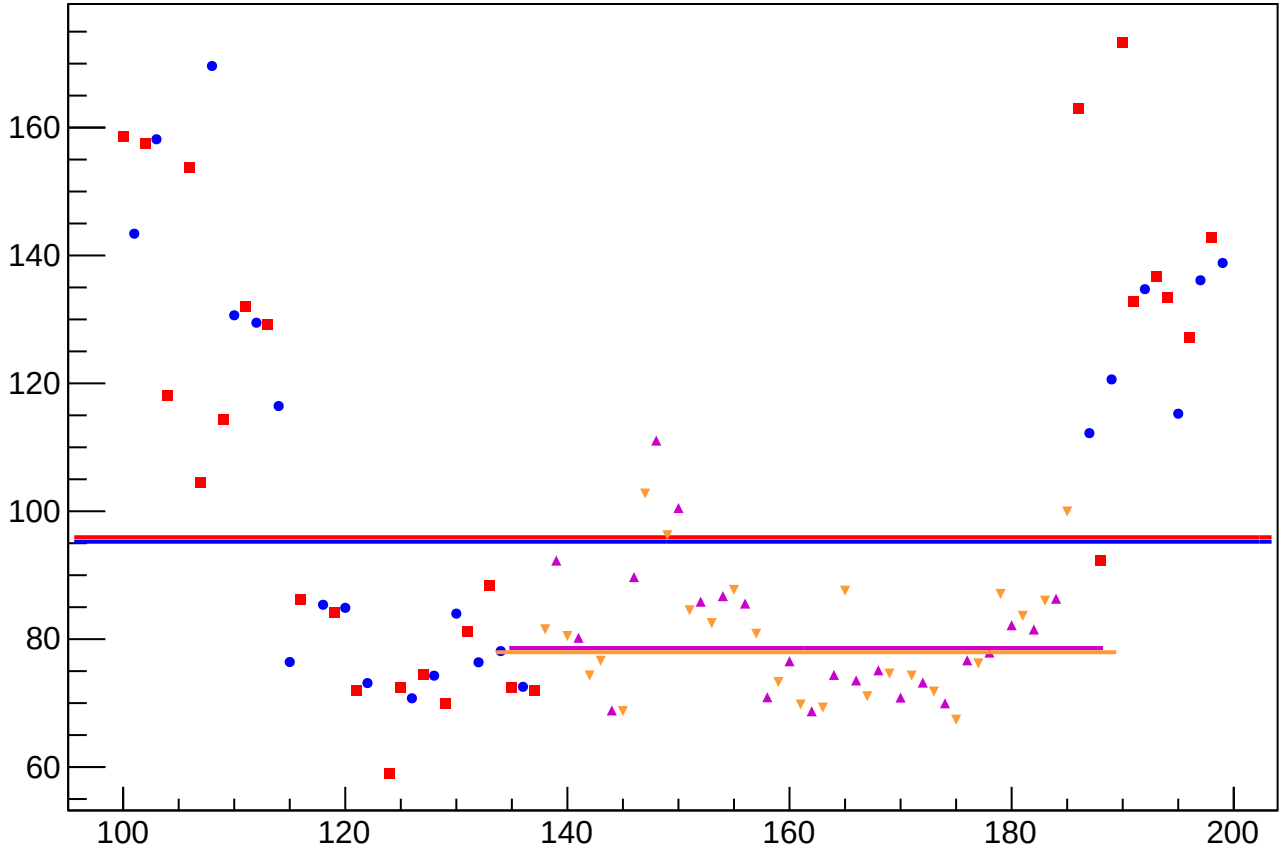
Right: -0.005+/-0.020 χ^2/NDF: 67.4/48

In: -0.003+/-0.016 χ^2/NDF:48.6/44

Out: 0.019+/-0.015 χ^2/NDF:63.4/51

All: 0.009+/-0.011 χ^2/NDF: 113.1/96

asym_sam_26_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 95.237+/-0.021 χ^2/NDF: 1787542.1/21

Left Out: 77.957+/-0.013 χ^2/NDF:439703.9/24

Right Out: 95.938+/-0.020 χ^2/NDF: 2037165.7/26

Left In: 78.615+/-0.013 χ^2/NDF:497808.4/22

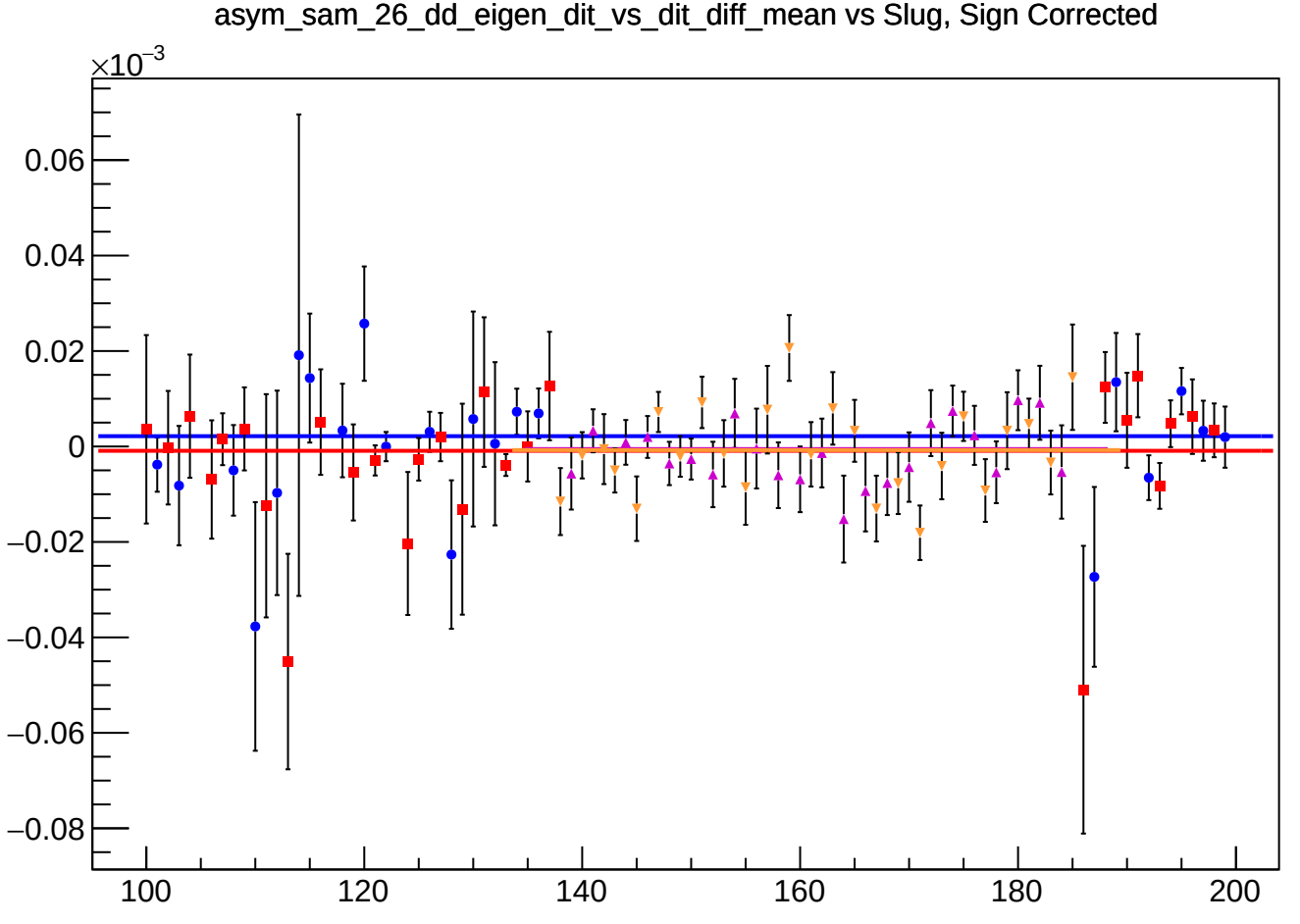
Left: 78.273+/-0.009 χ^2/NDF: 938817.0/47

Right: 95.601+/-0.014 χ^2/NDF: 3825301.1/48

In: 83.361+/-0.011 χ^2/NDF:2743120.5/44

Out: 83.092+/-0.011 χ^2/NDF:3056075.6/51

All: 83.222+/-0.008 χ^2/NDF: 5799500.5/96



Right In: 0.000+/-0.000 χ^2/NDF: 25.8/21

Left Out: -0.000+/-0.000 χ^2/NDF:47.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 27.0/26

Left In: -0.000+/-0.000 χ^2/NDF:18.6/22

Left: -0.000+/-0.000 χ^2/NDF: 66.2/47

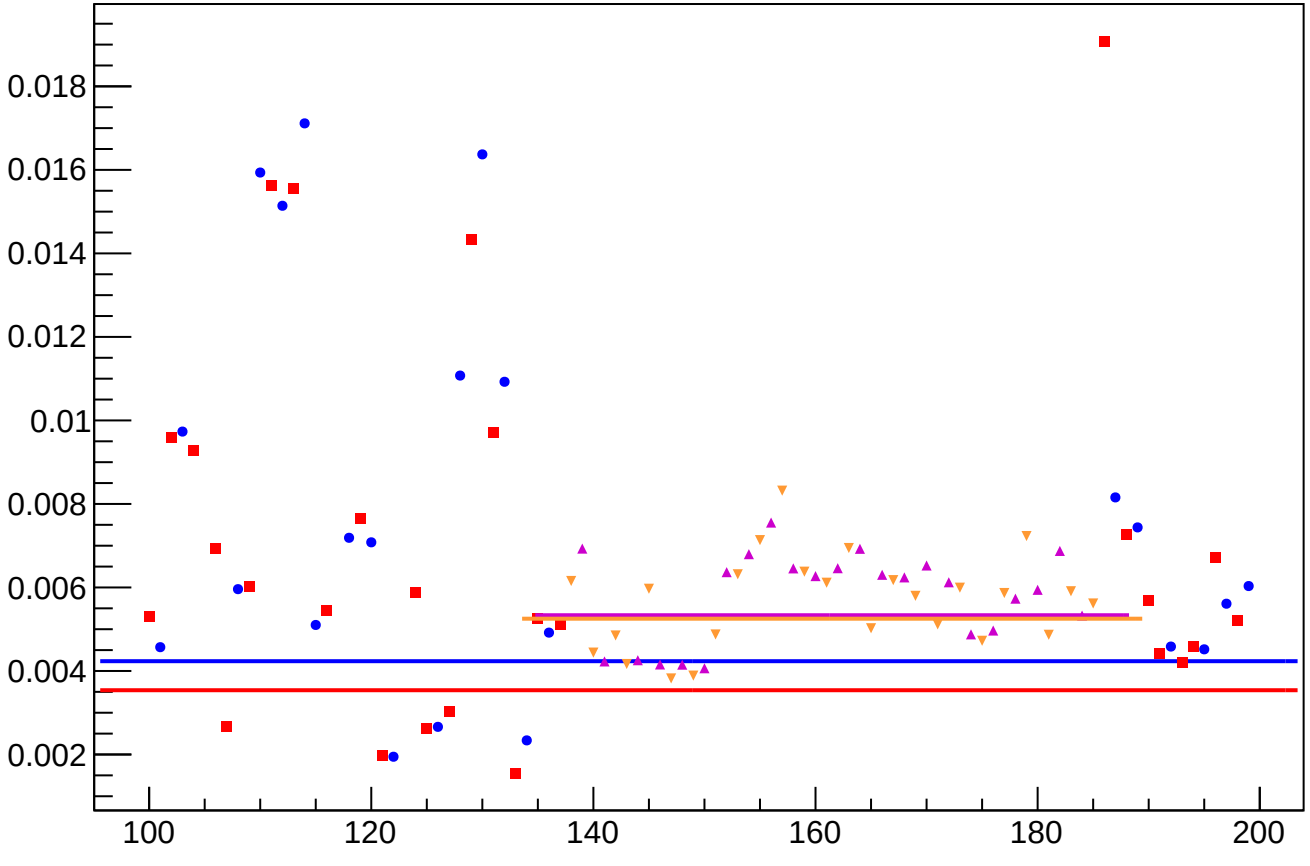
Right: 0.000+/-0.000 χ^2/NDF: 55.5/48

In: 0.000+/-0.000 χ^2/NDF:46.4/44

Out: -0.000+/-0.000 χ^2/NDF:74.6/51

All: -0.000+/-0.000 χ^2/NDF: 122.3/96

asym_sam_26_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 5379211.1/21

Left Out: 0.005+/-0.000 χ^2/NDF:1511867.7/24

Right Out: 0.004+/-0.000 χ^2/NDF: 7673293.7/26

Left In: 0.005+/-0.000 χ^2/NDF:1508187.9/22

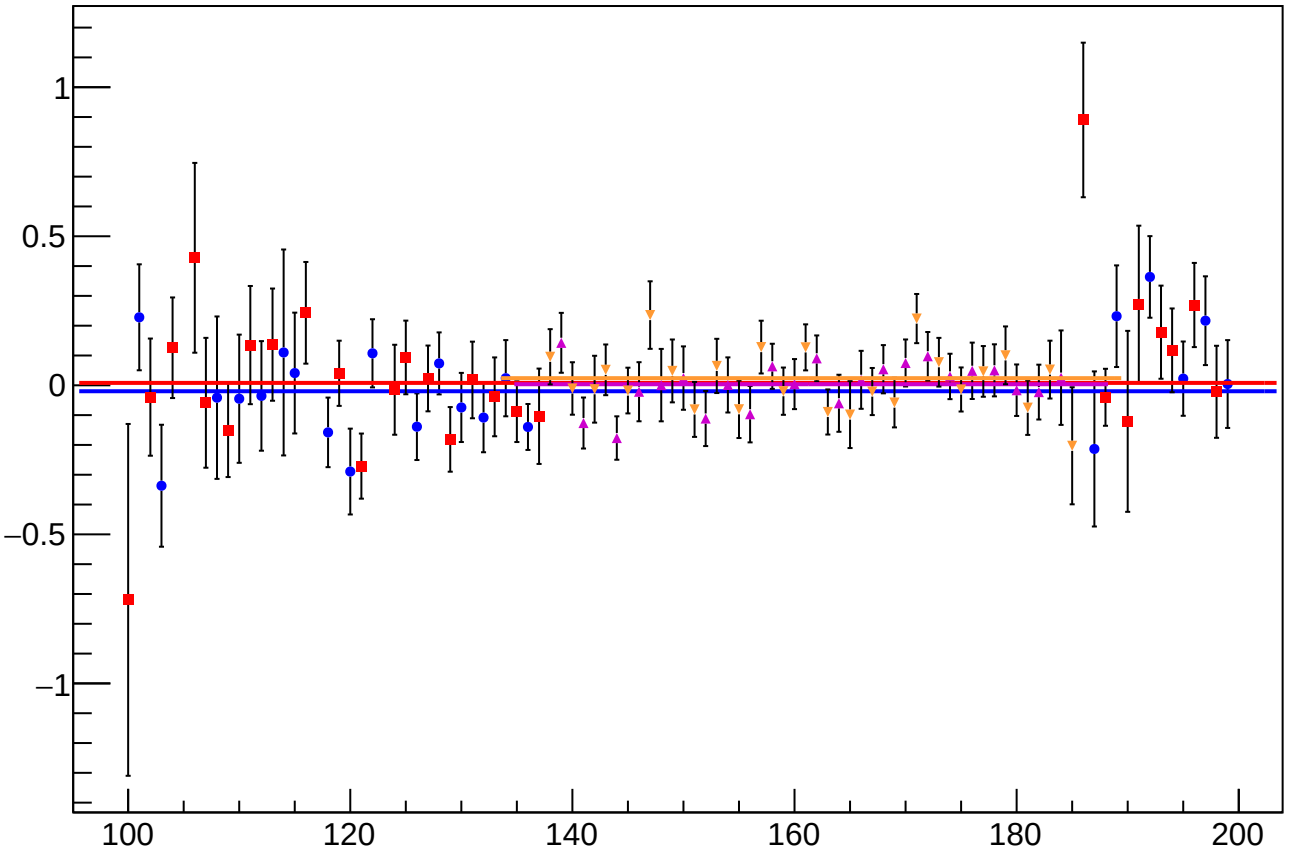
Left: 0.005+/-0.000 χ^2/NDF: 3024442.1/47

Right: 0.004+/-0.000 χ^2/NDF: 13324377.3/48

In: 0.005+/-0.000 χ^2/NDF:7535744.3/44

Out: 0.004+/-0.000 χ^2/NDF:11167518.9/51

All: 0.005+/-0.000 χ^2/NDF: 18965354.7/96



Right In: -0.020+/-0.029 χ^2/NDF: 29.3/21

Left Out: 0.024+/-0.018 χ^2/NDF:25.5/24

Right Out: 0.008+/-0.028 χ^2/NDF: 37.7/26

Left In: 0.004+/-0.019 χ^2/NDF:18.9/22

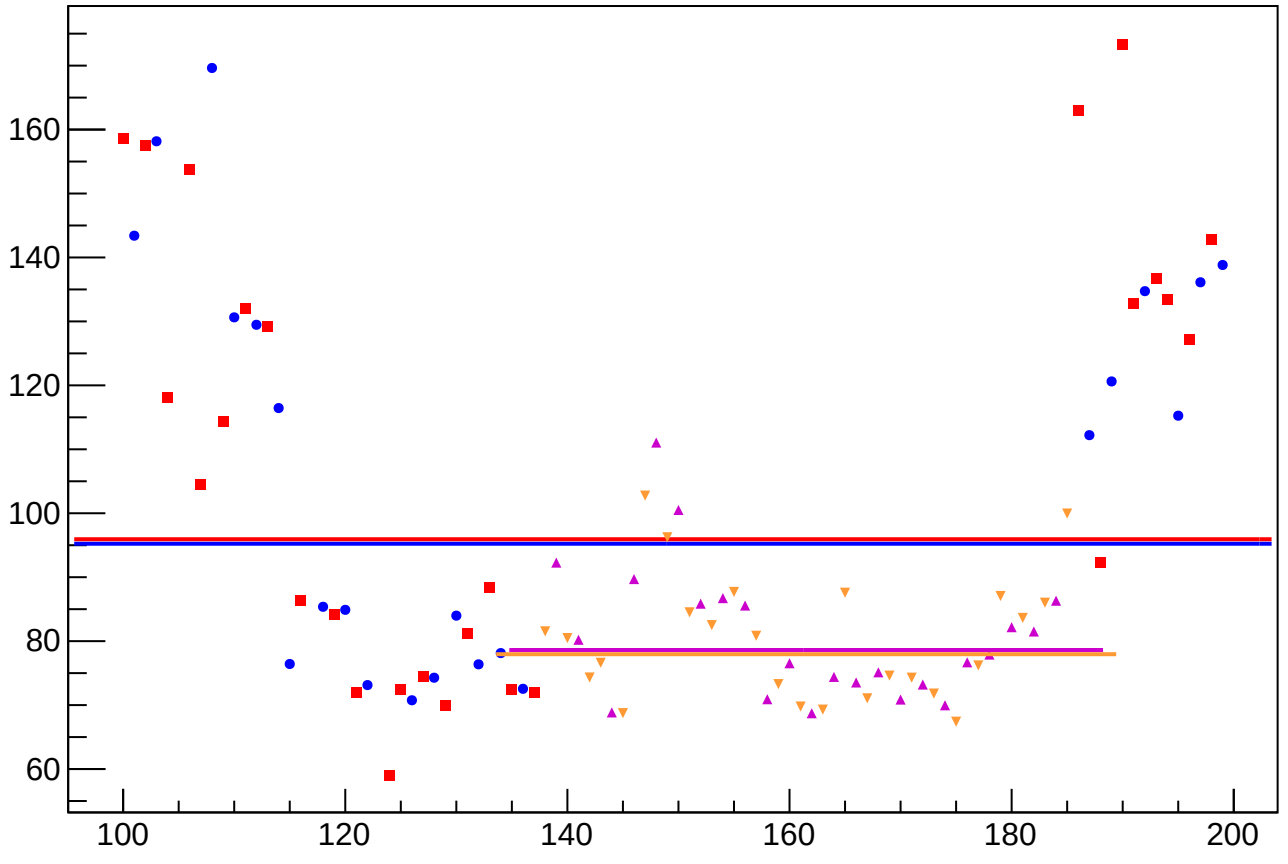
Left: 0.014+/-0.013 χ^2/NDF: 45.0/47

Right: -0.005+/-0.020 χ^2/NDF: 67.4/48

In: -0.003+/-0.016 χ^2/NDF:48.6/44

Out: 0.019+/-0.015 χ^2/NDF:63.4/51

All: 0.009+/-0.011 χ^2/NDF: 113.1/96



Right In: 95.234+/-0.021 χ^2/NDF: 1787608.3/21

Left Out: 77.957+/-0.013 χ^2/NDF:439744.9/24

Right Out: 95.936+/-0.020 χ^2/NDF: 2037216.9/26

Left In: 78.614+/-0.013 χ^2/NDF:497846.3/22

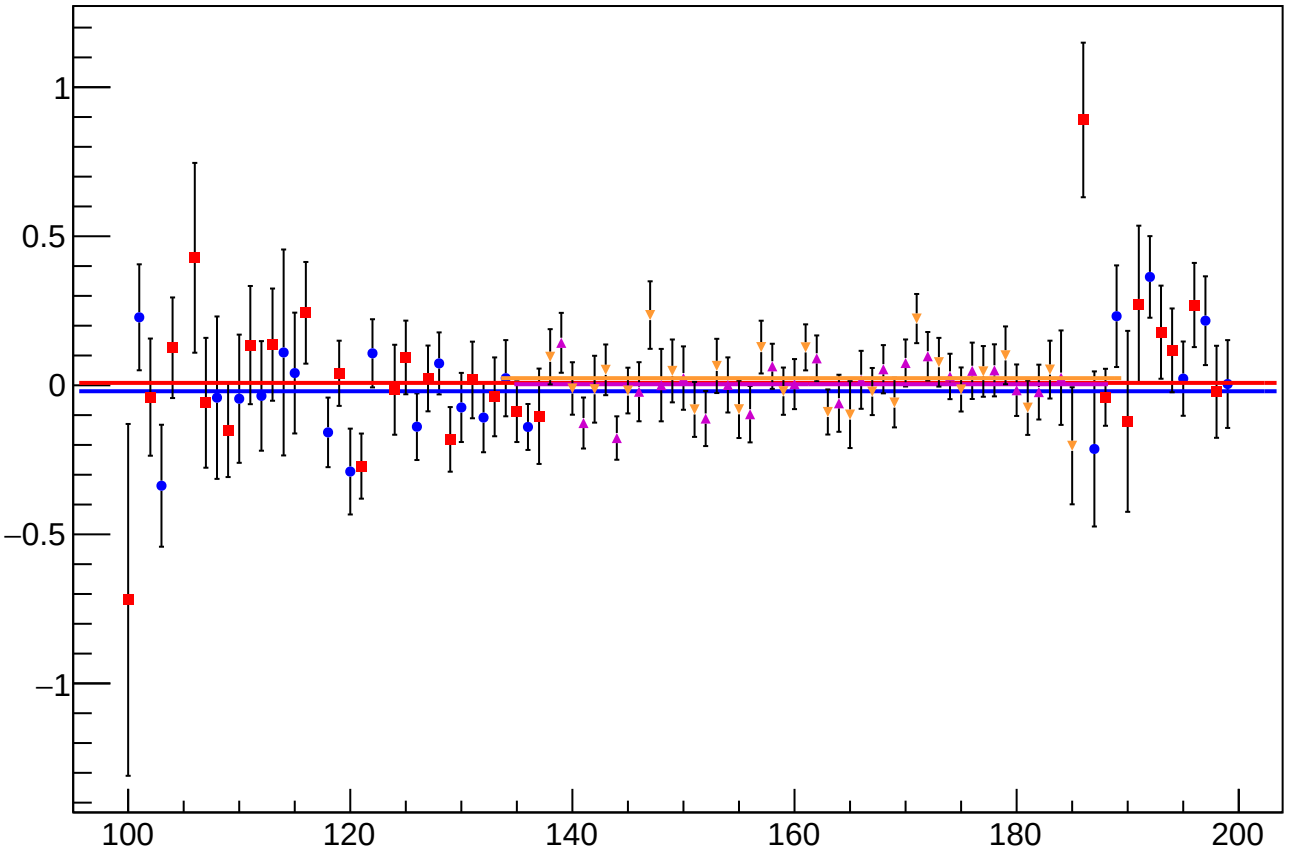
Left: 78.273+/-0.009 χ^2/NDF: 938894.7/47

Right: 95.599+/-0.014 χ^2/NDF: 3825419.2/48

In: 83.360+/-0.011 χ^2/NDF:2743148.5/44

Out: 83.092+/-0.011 χ^2/NDF:3056080.0/51

All: 83.221+/-0.008 χ^2/NDF: 5799532.3/96



Right In: -0.020+/-0.029 χ^2/NDF: 29.3/21

Left Out: 0.024+/-0.018 χ^2/NDF:25.5/24

Right Out: 0.008+/-0.028 χ^2/NDF: 37.7/26

Left In: 0.004+/-0.019 χ^2/NDF:18.9/22

Left: 0.014+/-0.013 χ^2/NDF: 45.0/47

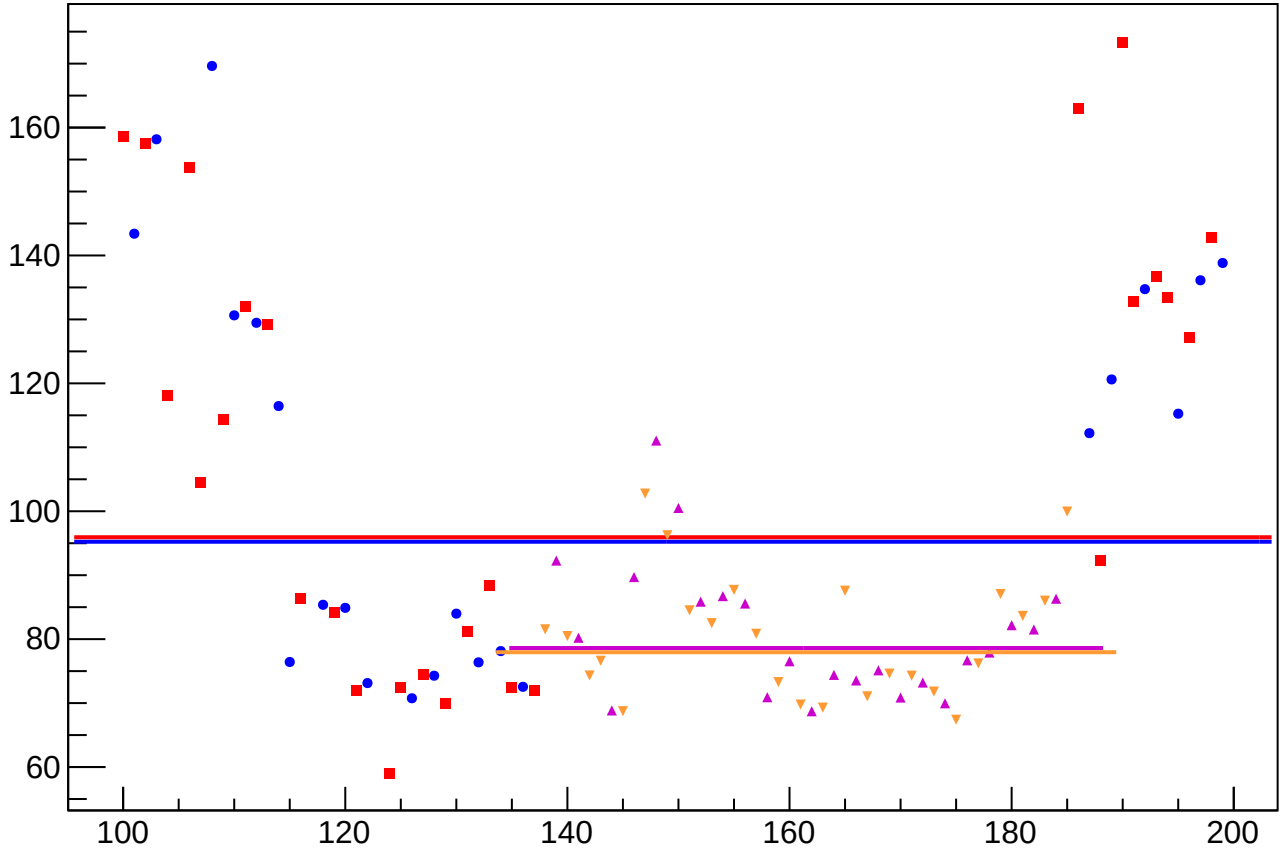
Right: -0.005+/-0.020 χ^2/NDF: 67.4/48

In: -0.003+/-0.016 χ^2/NDF:48.6/44

Out: 0.019+/-0.015 χ^2/NDF:63.4/51

All: 0.009+/-0.011 χ^2/NDF: 113.1/96

asym_sam_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 95.234+/-0.021 χ^2/NDF: 1787608.3/21

Left Out: 77.957+/-0.013 χ^2/NDF:439744.9/24

Right Out: 95.936+/-0.020 χ^2/NDF: 2037216.9/26

Left In: 78.614+/-0.013 χ^2/NDF:497846.3/22

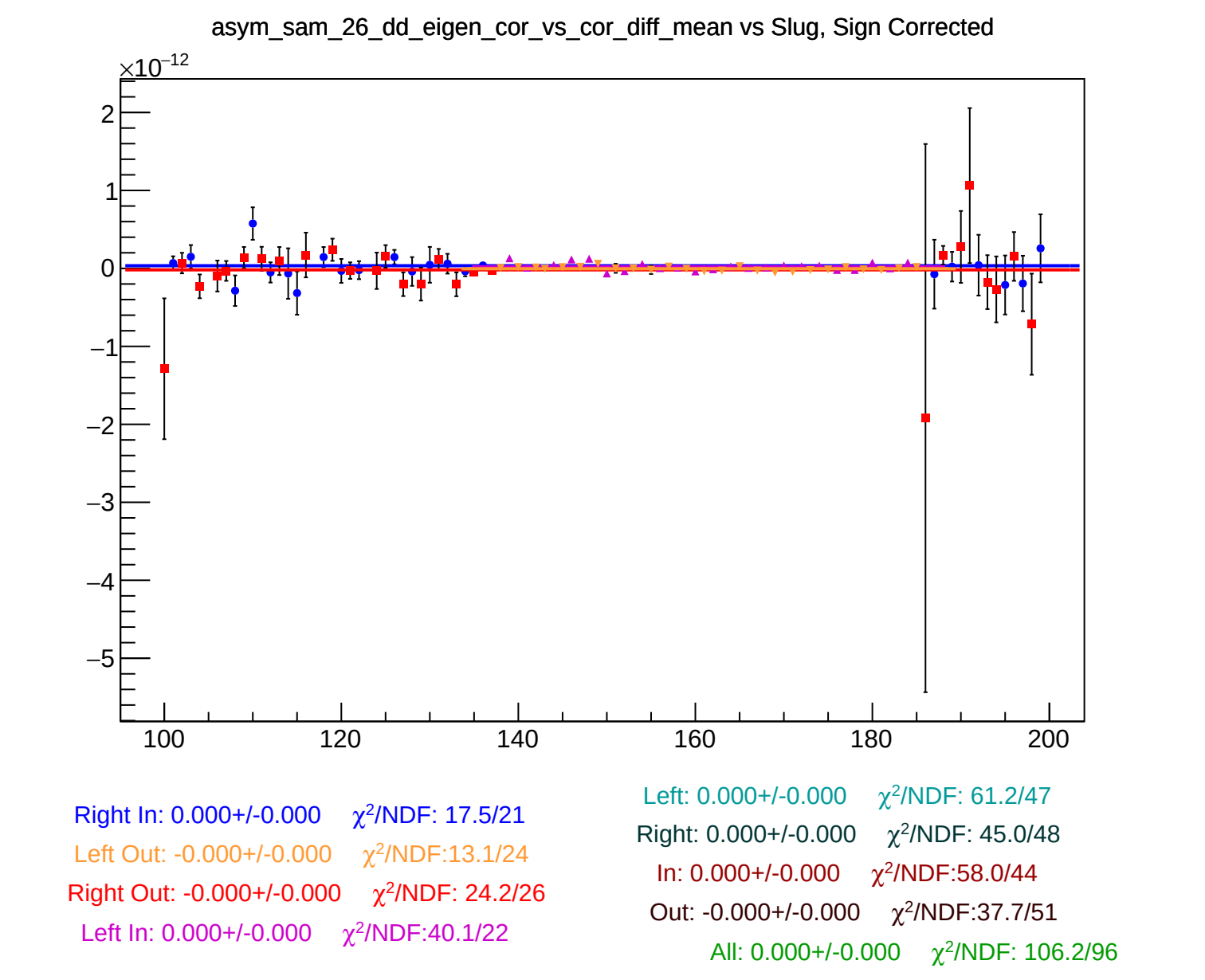
Left: 78.273+/-0.009 χ^2/NDF: 938894.7/47

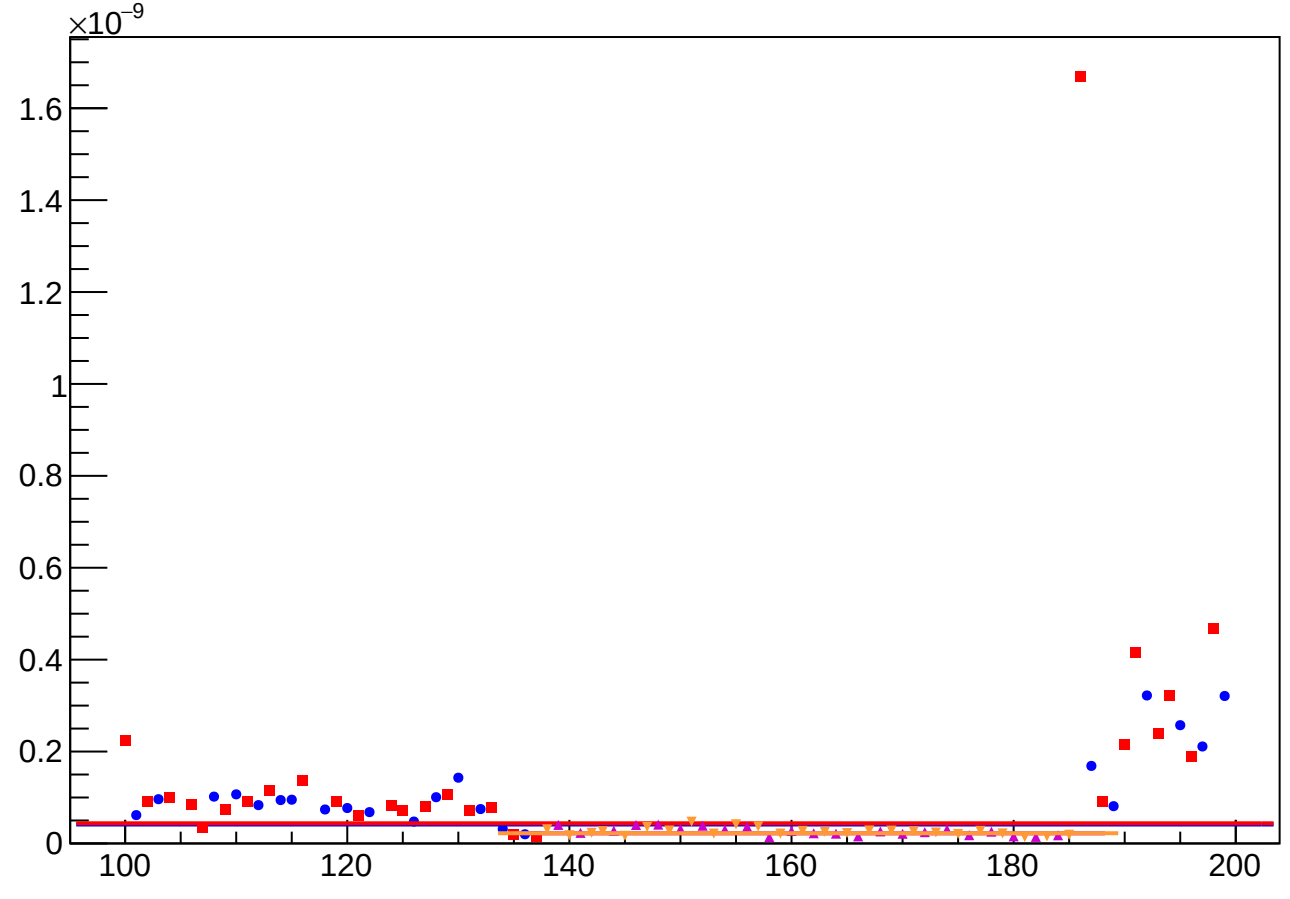
Right: 95.599+/-0.014 χ^2/NDF: 3825419.2/48

In: 83.360+/-0.011 χ^2/NDF:2743148.5/44

Out: 83.092+/-0.011 χ^2/NDF:3056080.0/51

All: 83.221+/-0.008 χ^2/NDF: 5799532.3/96


asym_sam_26_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
1
0
−1
−2
−3
−4
−5
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 17.5/21
Left Out: -0.000+/-0.000 χ²/NDF:13.1/24
Right Out: -0.000+/-0.000 χ²/NDF: 24.2/26
Left In: 0.000+/-0.000 χ²/NDF:40.1/22
Left: 0.000+/-0.000 χ²/NDF: 61.2/47
Right: 0.000+/-0.000 χ²/NDF: 45.0/48
In: 0.000+/-0.000 χ²/NDF:58.0/44
Out: -0.000+/-0.000 χ²/NDF:37.7/51
All: 0.000+/-0.000 χ²/NDF: 106.2/96



Right In: 0.000+/-0.000 χ^2/NDF: 6732607.5/21

Left Out: 0.000+/-0.000 χ^2/NDF:2302790.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8327329.4/26

Left In: 0.000+/-0.000 χ^2/NDF:2802318.8/22

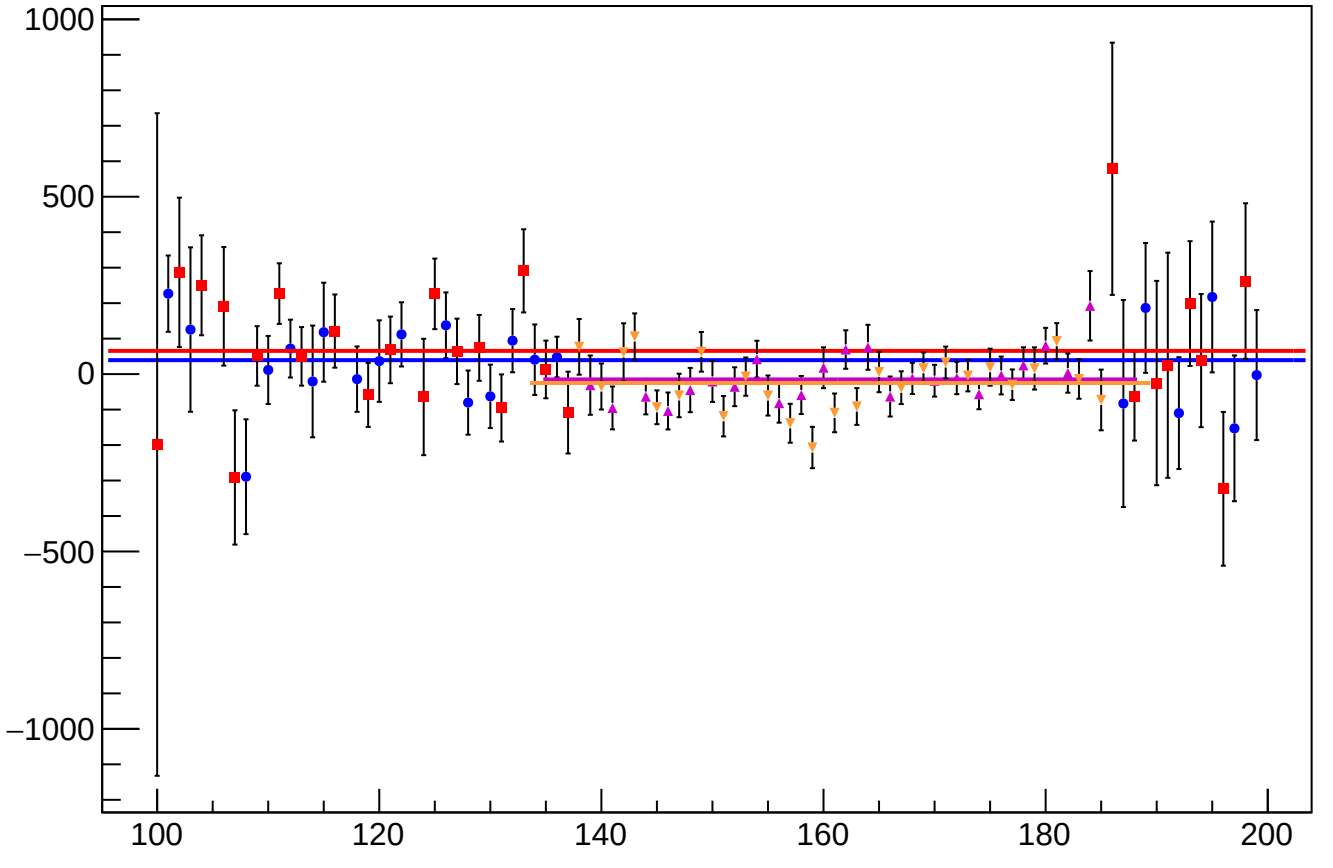
Left: 0.000+/-0.000 χ^2/NDF: 5106315.5/47

Right: 0.000+/-0.000 χ^2/NDF: 15075622.7/48

In: 0.000+/-0.000 χ^2/NDF:11153612.6/44

Out: 0.000+/-0.000 χ^2/NDF:12475717.8/51

All: 0.000+/-0.000 χ^2/NDF: 23629784.0/96



Right In: 39.337+/-23.162 χ^2/NDF: 16.9/21

Left Out: -24.988+/-10.888 χ^2/NDF:43.1/24

Right Out: 65.491+/-23.100 χ^2/NDF: 33.3/26

Left In: -14.994+/-11.218 χ^2/NDF:24.7/22

Left: -20.140+/-7.813 χ^2/NDF: 68.2/47

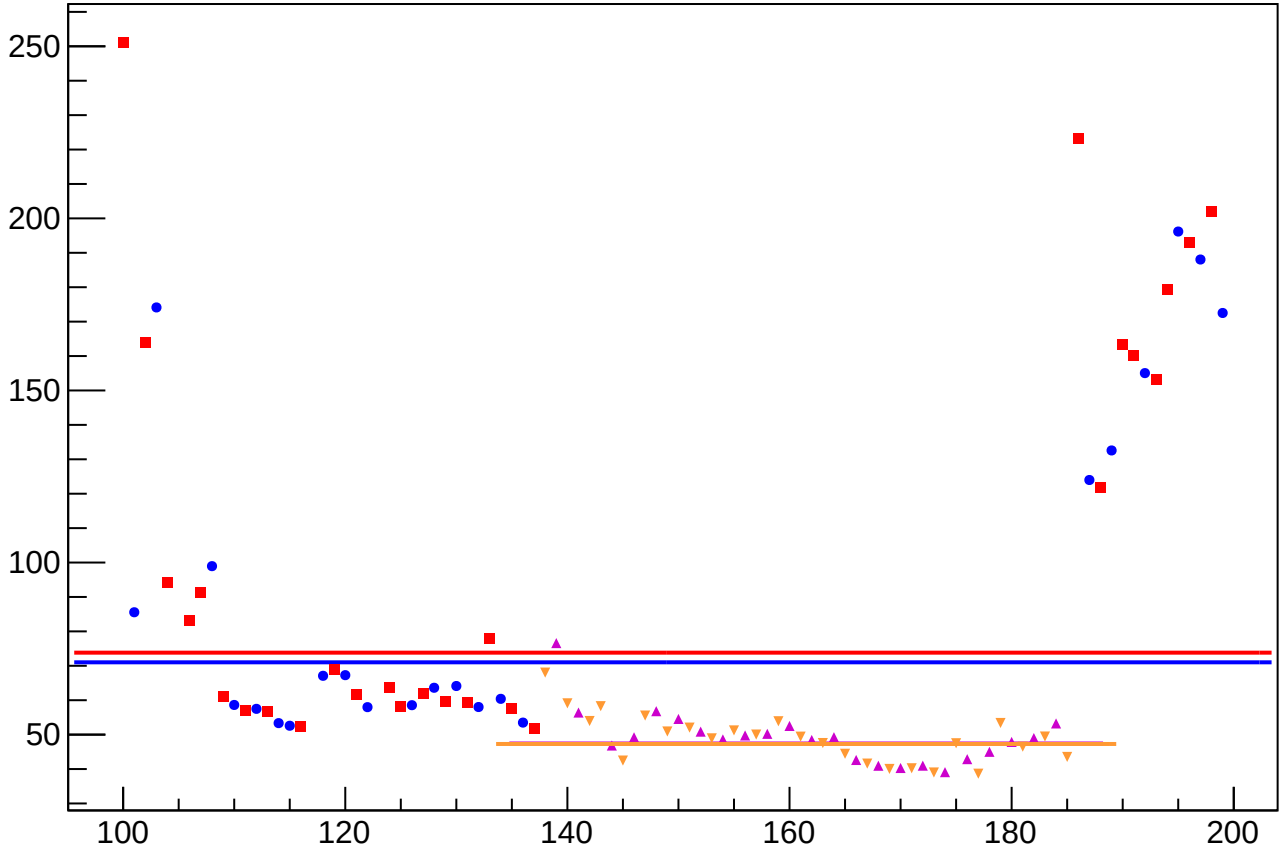
Right: 52.449+/-16.356 χ^2/NDF: 50.8/48

In: -4.671+/-10.096 χ^2/NDF:46.1/44

Out: -8.542+/-9.848 χ^2/NDF:88.9/51

All: -6.654+/-7.050 χ^2/NDF: 135.1/96

reg_asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 71.009+/-0.016 χ^2/NDF: 3819228.2/21

Left Out: 47.284+/-0.008 χ^2/NDF:717249.8/24

Right Out: 73.816+/-0.016 χ^2/NDF: 4495736.5/26

Left In: 47.425+/-0.008 χ^2/NDF:655736.9/22

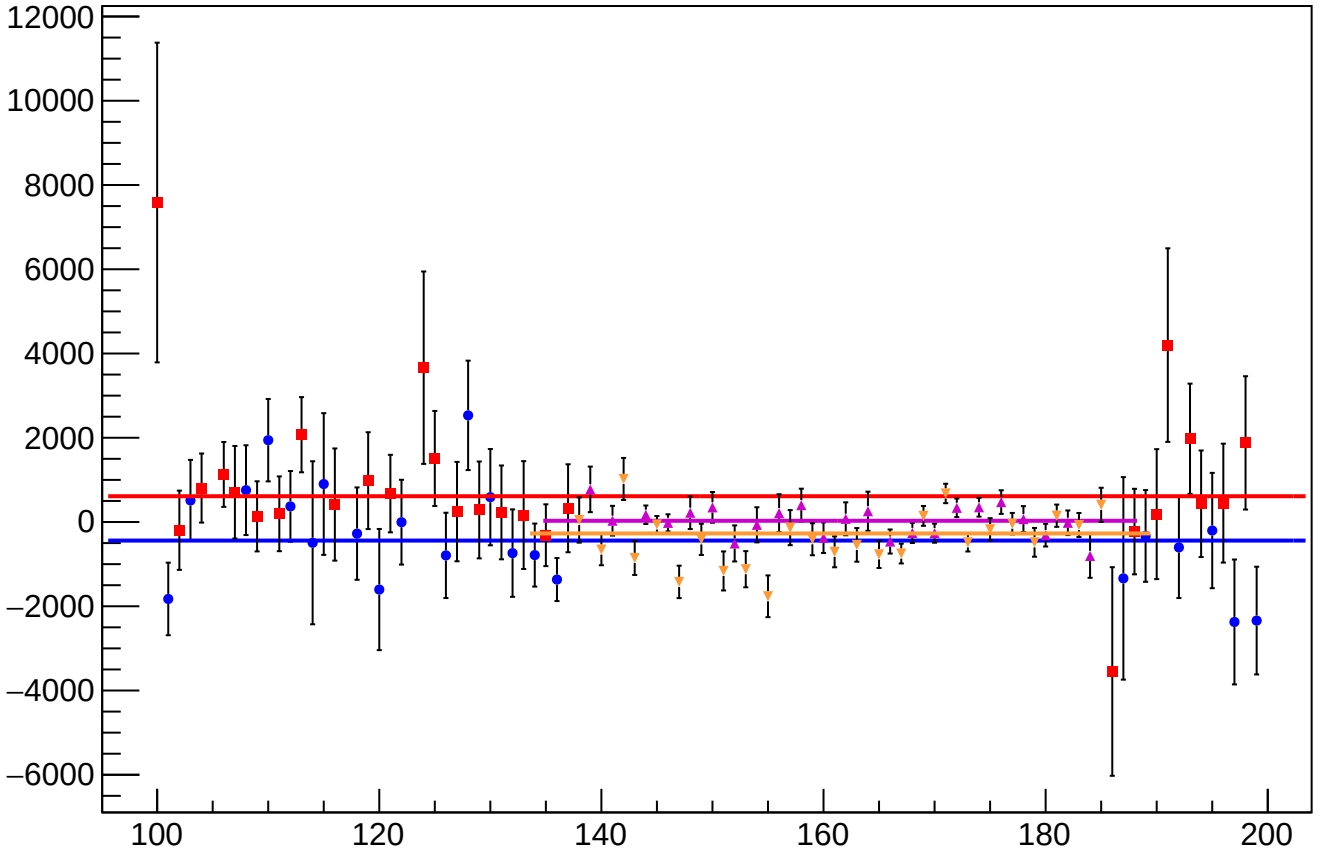
Left: 47.352+/-0.006 χ^2/NDF: 1373150.4/47

Right: 72.416+/-0.012 χ^2/NDF: 8329692.6/48

In: 51.906+/-0.007 χ^2/NDF:6154530.0/44

Out: 52.106+/-0.007 χ^2/NDF:7371953.8/51

All: 52.009+/-0.005 χ^2/NDF: 13526887.2/96



Right In: -440.508+/-218.777 χ^2/NDF: 27.1/21

Left Out: -271.031+/-62.346 χ^2/NDF:73.9/24

Right Out: 612.271+/-212.367 χ^2/NDF: 20.3/26

Left In: 29.200+/-62.671 χ^2/NDF:24.4/22

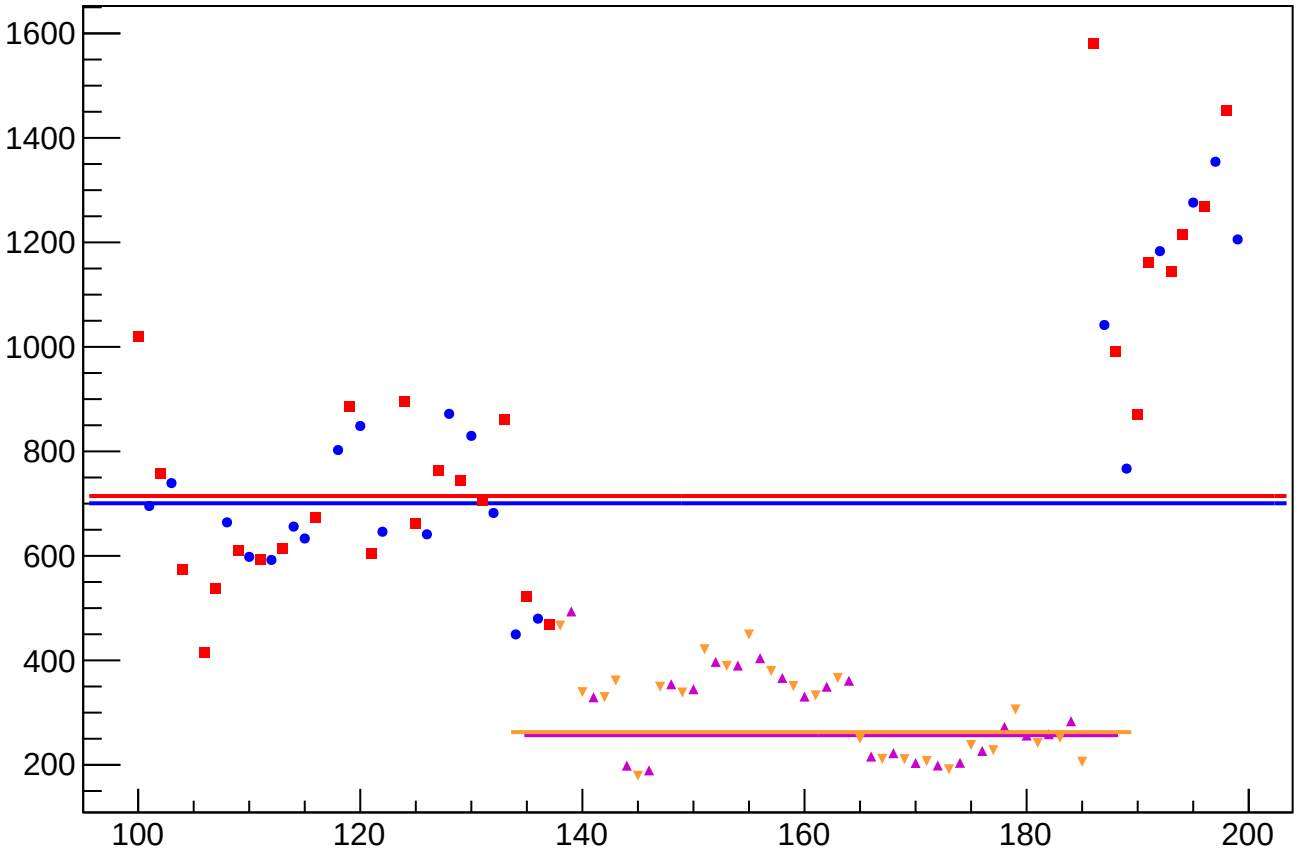
Left: -121.695+/-44.200 χ^2/NDF: 109.8/47

Right: 101.529+/-152.382 χ^2/NDF: 59.3/48

In: -6.420+/-60.247 χ^2/NDF:55.7/44

Out: -200.943+/-59.821 χ^2/NDF:110.1/51

All: -104.372+/-42.450 χ^2/NDF: 171.1/96



Right In: 700.690+/-0.155 χ^2/NDF: 2201589.6/21

Left Out: 262.679+/-0.044 χ^2/NDF:2893255.4/24

Right Out: 714.571+/-0.150 χ^2/NDF: 2657473.5/26

Left In: 256.842+/-0.044 χ^2/NDF:2639200.9/22

Left: 259.776+/-0.031 χ^2/NDF: 5541174.7/47

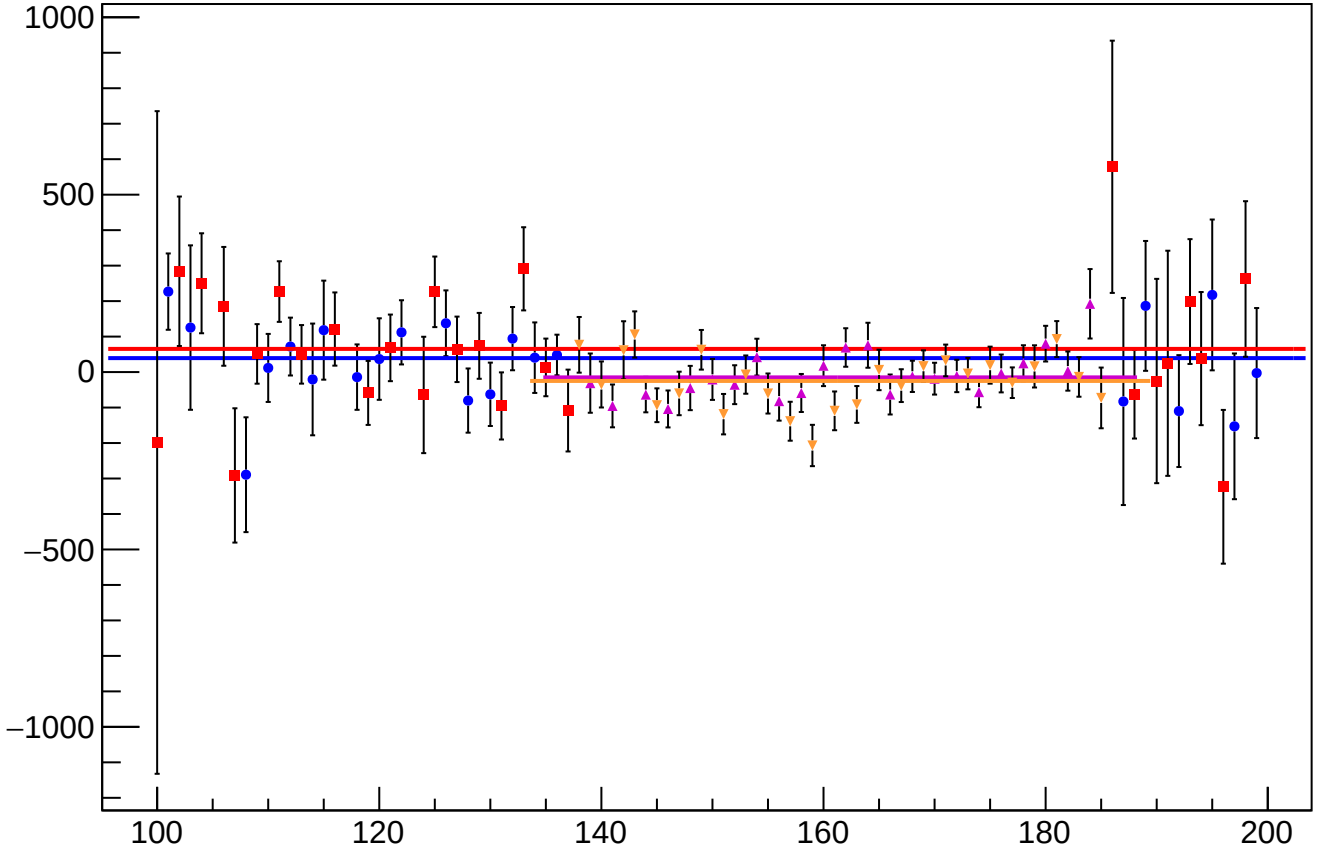
Right: 707.837+/-0.108 χ^2/NDF: 4863208.2/48

In: 290.502+/-0.043 χ^2/NDF:12448341.7/44

Out: 298.536+/-0.042 χ^2/NDF:13887910.3/51

All: 294.547+/-0.030 χ^2/NDF: 26354159.2/96

cor_asym_sam_37_dd_mean vs Slug, Sign Corrected



Right In: 39.331+/-23.162 χ^2/NDF: 16.9/21

Left Out: -24.985+/-10.888 χ^2/NDF:43.1/24

Right Out: 65.326+/-23.101 χ^2/NDF: 33.2/26

Left In: -14.992+/-11.218 χ^2/NDF:24.7/22

Left: -20.138+/-7.813 χ^2/NDF: 68.2/47

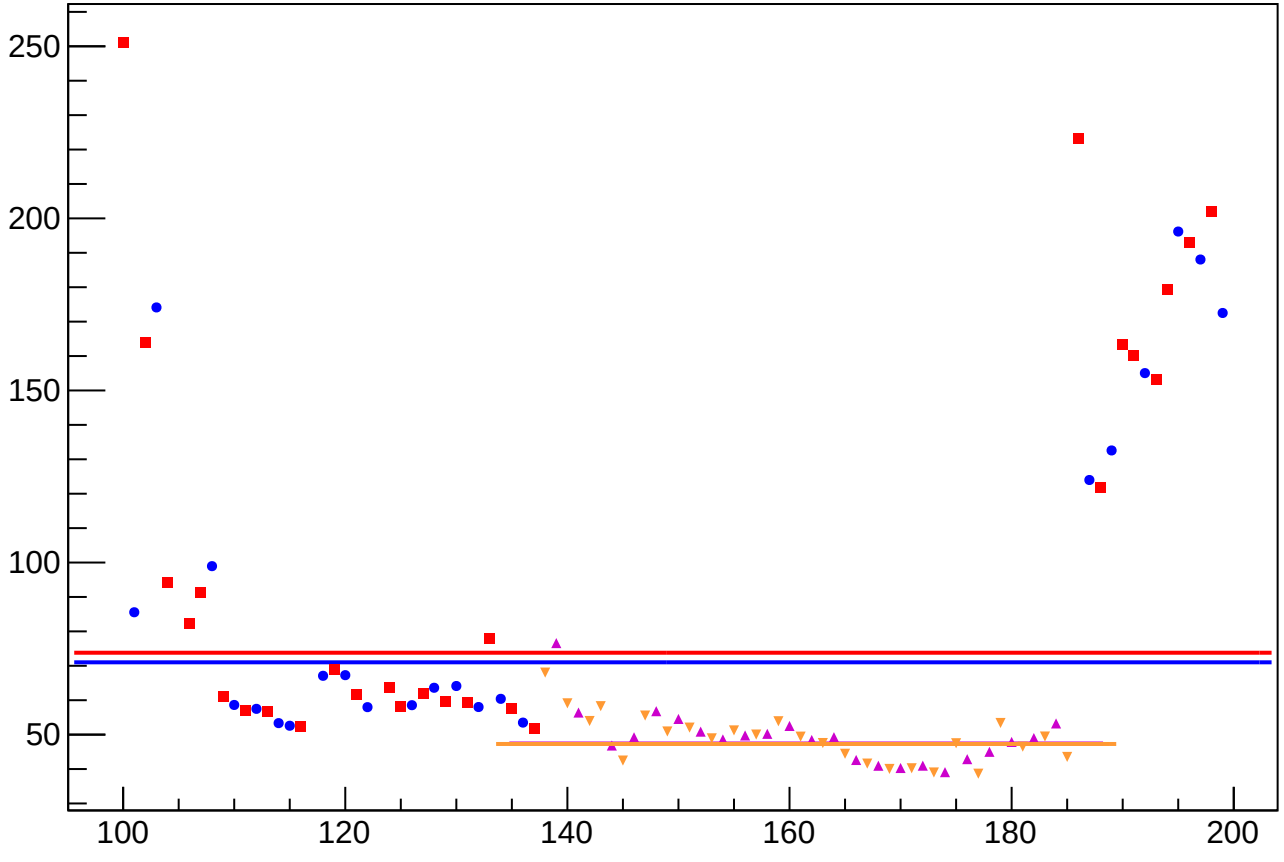
Right: 52.363+/-16.356 χ^2/NDF: 50.7/48

In: -4.671+/-10.096 χ^2/NDF:46.1/44

Out: -8.570+/-9.849 χ^2/NDF:88.8/51

All: -6.669+/-7.050 χ^2/NDF: 135.0/96

cor_asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 71.009+/-0.016 χ^2/NDF: 3819230.6/21

Left Out: 47.284+/-0.008 χ^2/NDF:717249.7/24

Right Out: 73.796+/-0.016 χ^2/NDF: 4494585.2/26

Left In: 47.425+/-0.008 χ^2/NDF:655736.9/22

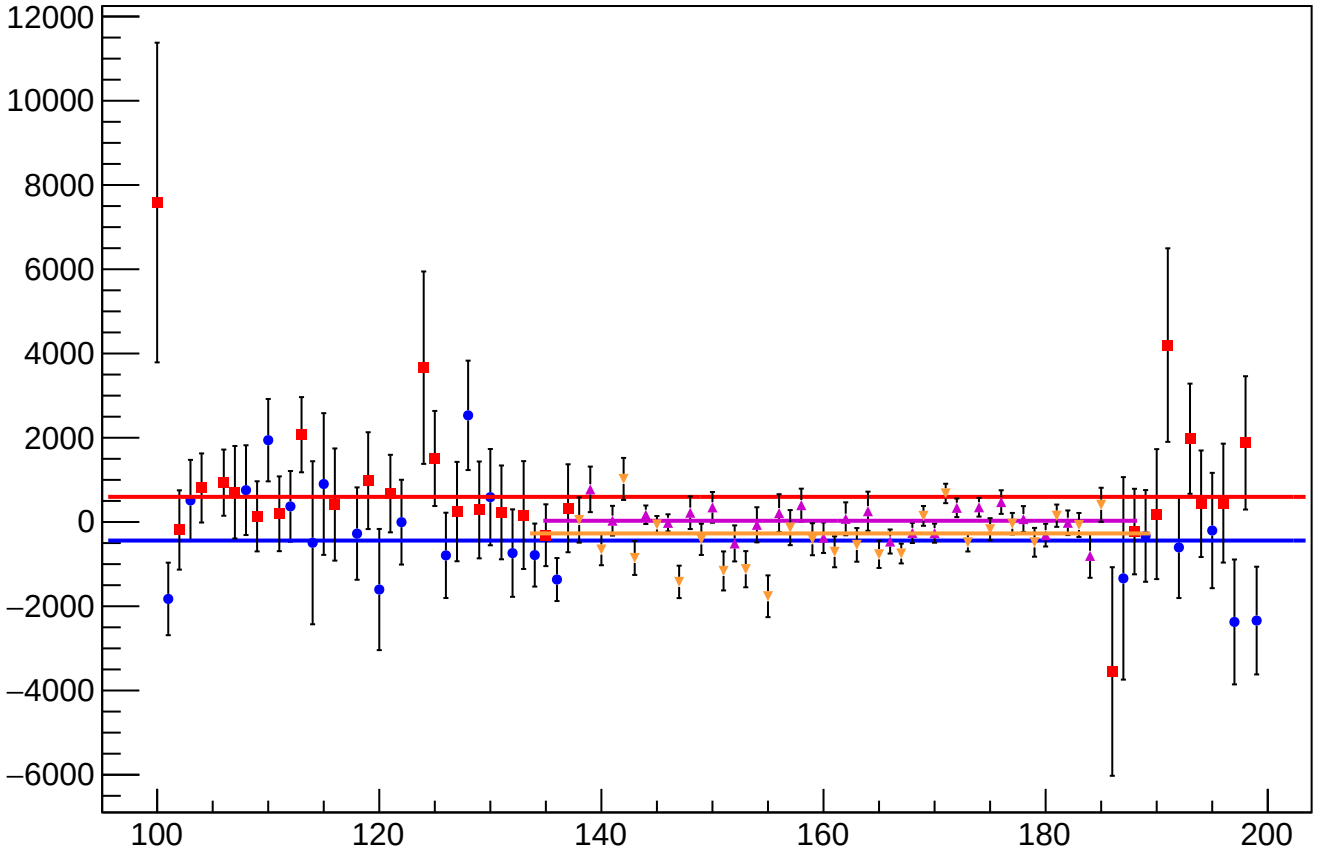
Left: 47.352+/-0.006 χ^2/NDF: 1373150.3/47

Right: 72.406+/-0.012 χ^2/NDF: 8328328.6/48

In: 51.906+/-0.007 χ^2/NDF:6154531.8/44

Out: 52.102+/-0.007 χ^2/NDF:7367275.6/51

All: 52.007+/-0.005 χ^2/NDF: 13522194.3/96



Right In: -440.508+/-218.778 χ^2/NDF: 27.1/21

Left Out: -271.027+/-62.346 χ^2/NDF:73.9/24

Right Out: 596.901+/-212.695 χ^2/NDF: 20.0/26

Left In: 29.202+/-62.671 χ^2/NDF:24.4/22

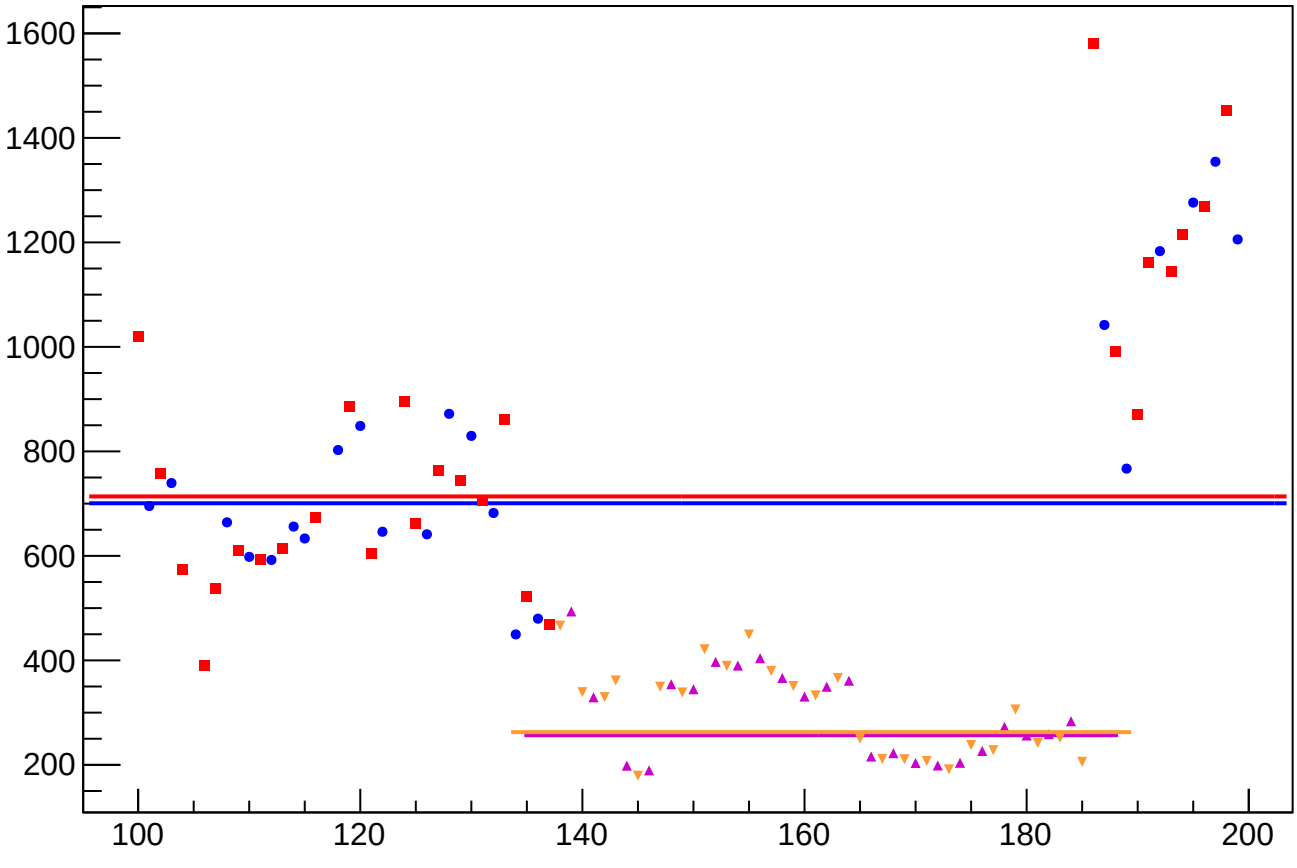
Left: -121.692+/-44.200 χ^2/NDF: 109.8/47

Right: 92.819+/-152.503 χ^2/NDF: 58.6/48

In: -6.418+/-60.247 χ^2/NDF:55.7/44

Out: -202.354+/-59.829 χ^2/NDF:109.2/51

All: -105.069+/-42.453 χ^2/NDF: 170.2/96



Right In: 700.694+/-0.155 χ^2/NDF: 2201599.7/21

Left Out: 262.679+/-0.044 χ^2/NDF:2893257.1/24

Right Out: 713.782+/-0.150 χ^2/NDF: 2693068.5/26

Left In: 256.842+/-0.044 χ^2/NDF:2639196.2/22

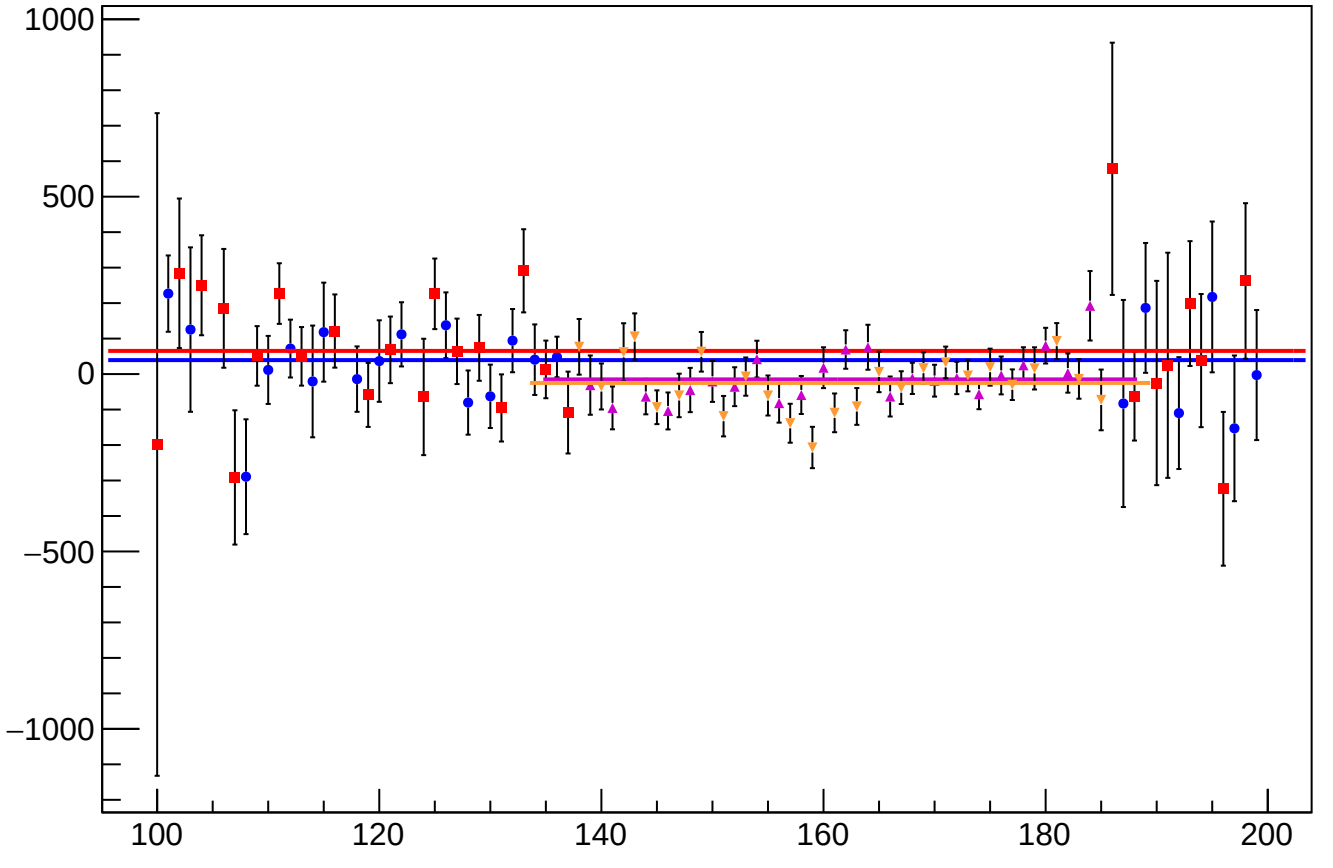
Left: 259.776+/-0.031 χ^2/NDF: 5541171.4/47

Right: 707.422+/-0.108 χ^2/NDF: 4898348.0/48

In: 290.502+/-0.043 χ^2/NDF:12448384.4/44

Out: 298.371+/-0.042 χ^2/NDF:13870864.1/51

All: 294.464+/-0.030 χ^2/NDF: 26336429.4/96



Right In: 39.331+/-23.162 χ^2/NDF: 16.9/21

Left Out: -24.985+/-10.888 χ^2/NDF:43.1/24

Right Out: 65.326+/-23.101 χ^2/NDF: 33.2/26

Left In: -14.992+/-11.218 χ^2/NDF:24.7/22

Left: -20.138+/-7.813 χ^2/NDF: 68.2/47

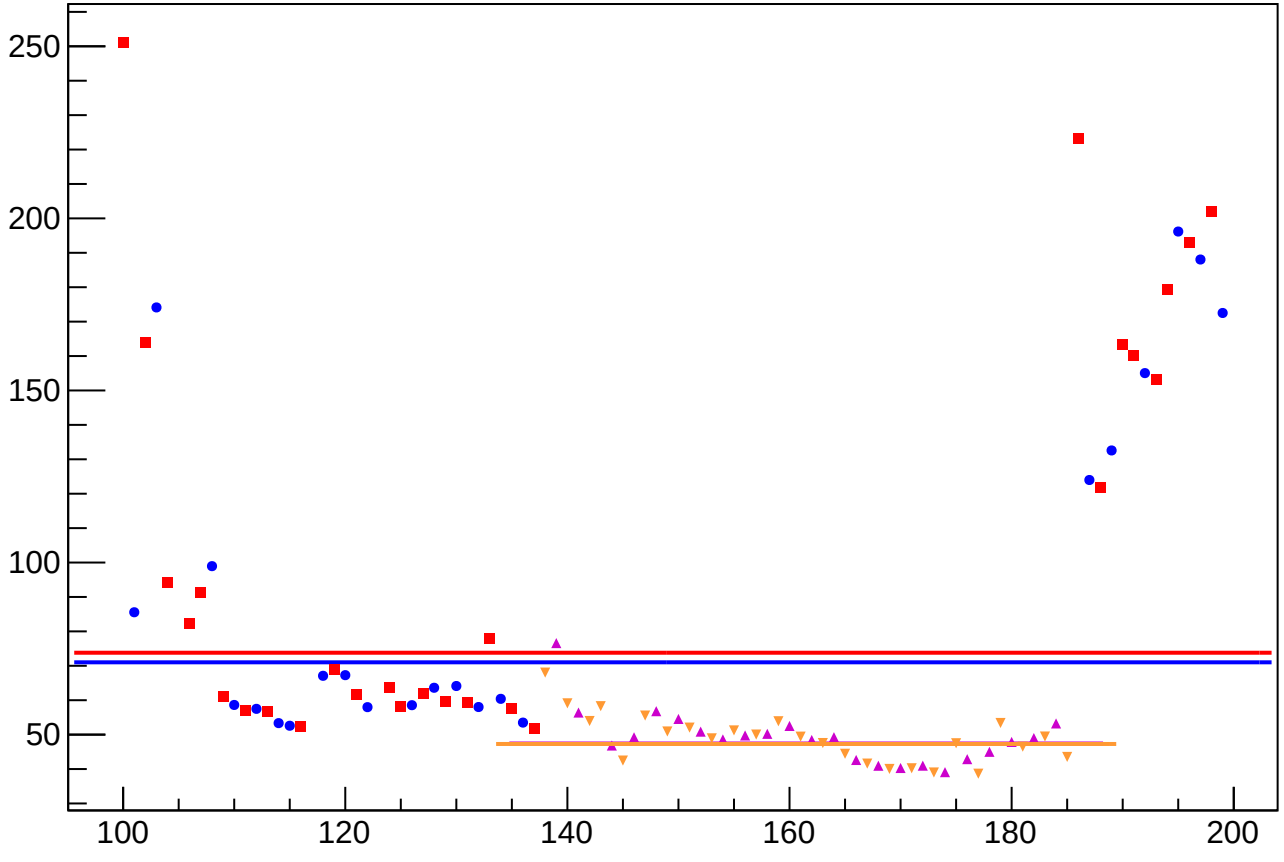
Right: 52.363+/-16.356 χ^2/NDF: 50.7/48

In: -4.671+/-10.096 χ^2/NDF:46.1/44

Out: -8.570+/-9.849 χ^2/NDF:88.8/51

All: -6.669+/-7.050 χ^2/NDF: 135.0/96

eigen_cor_asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 71.009+/-0.016 χ^2/NDF: 3819230.6/21

Left Out: 47.284+/-0.008 χ^2/NDF:717249.7/24

Right Out: 73.796+/-0.016 χ^2/NDF: 4494585.2/26

Left In: 47.425+/-0.008 χ^2/NDF:655736.9/22

Left: 47.352+/-0.006 χ^2/NDF: 1373150.3/47

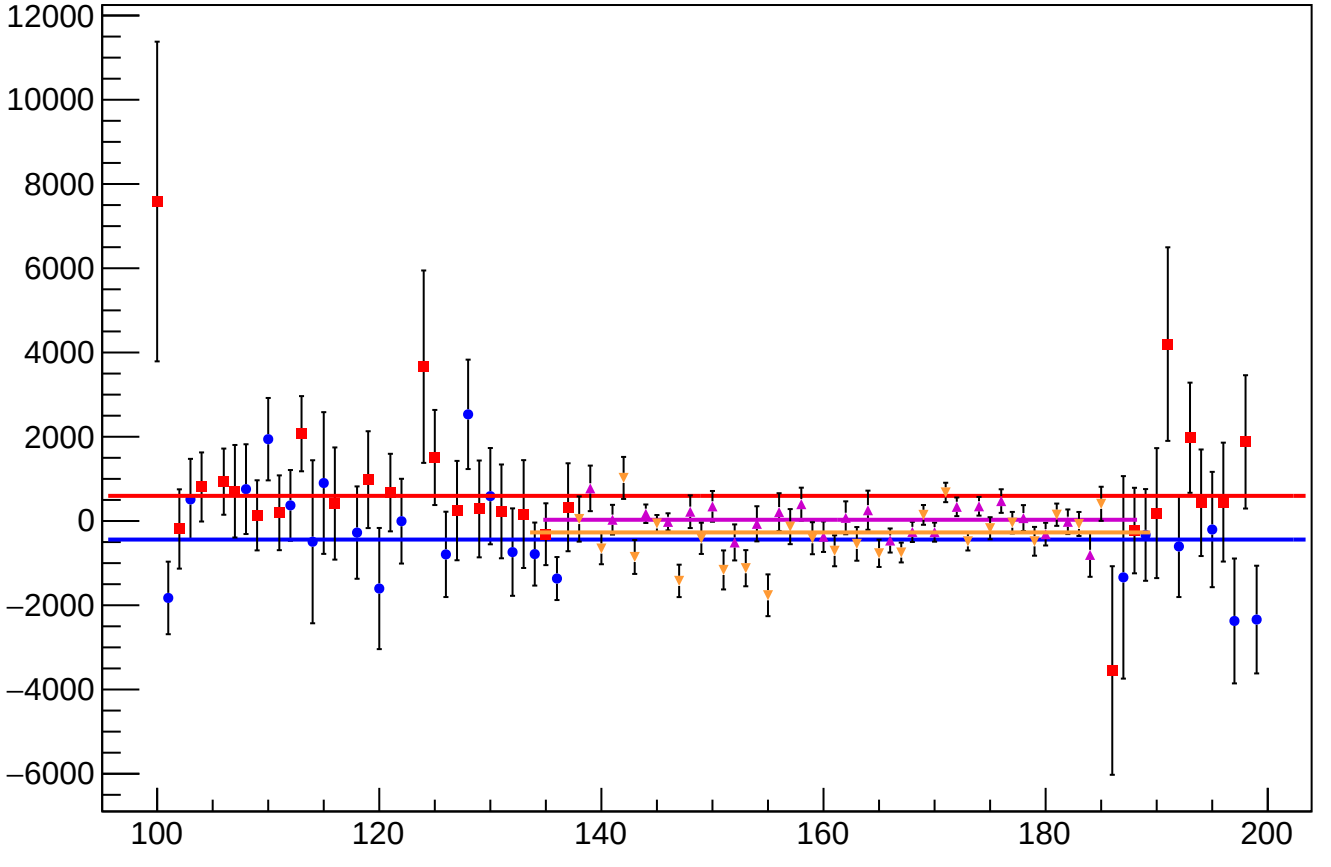
Right: 72.406+/-0.012 χ^2/NDF: 8328328.6/48

In: 51.906+/-0.007 χ^2/NDF:6154531.8/44

Out: 52.102+/-0.007 χ^2/NDF:7367275.6/51

All: 52.007+/-0.005 χ^2/NDF: 13522194.3/96

asym_sam_37_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -440.508+/-218.778 χ^2/NDF: 27.1/21

Left Out: -271.027+/-62.346 χ^2/NDF:73.9/24

Right Out: 596.901+/-212.695 χ^2/NDF: 20.0/26

Left In: 29.202+/-62.671 χ^2/NDF:24.4/22

Left: -121.692+/-44.200 χ^2/NDF: 109.8/47

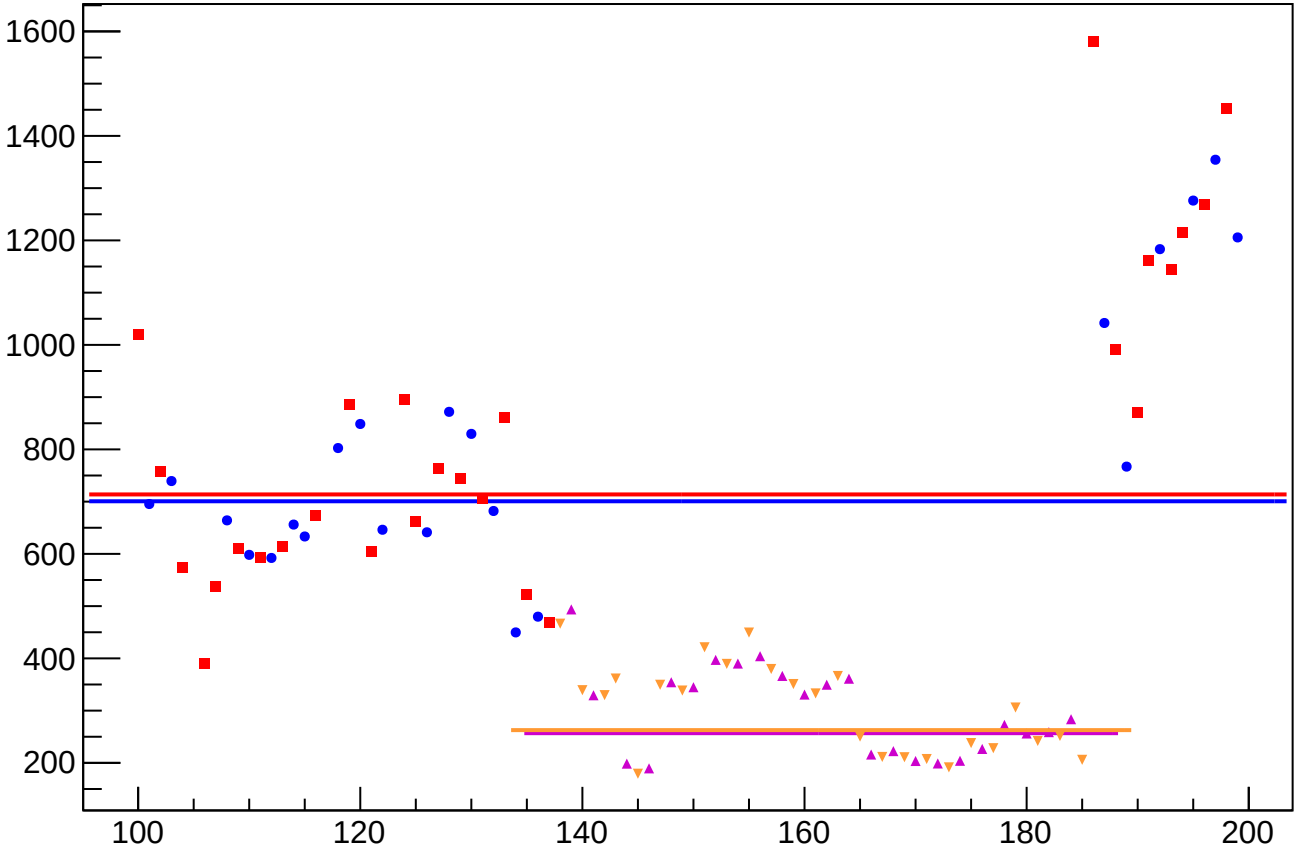
Right: 92.819+/-152.503 χ^2/NDF: 58.6/48

In: -6.418+/-60.247 χ^2/NDF:55.7/44

Out: -202.354+/-59.829 χ^2/NDF:109.2/51

All: -105.069+/-42.453 χ^2/NDF: 170.2/96

asym_sam_37_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 700.694+/-0.155 χ^2/NDF: 2201599.7/21

Left Out: 262.679+/-0.044 χ^2/NDF:2893257.1/24

Right Out: 713.782+/-0.150 χ^2/NDF: 2693068.5/26

Left In: 256.842+/-0.044 χ^2/NDF:2639196.2/22

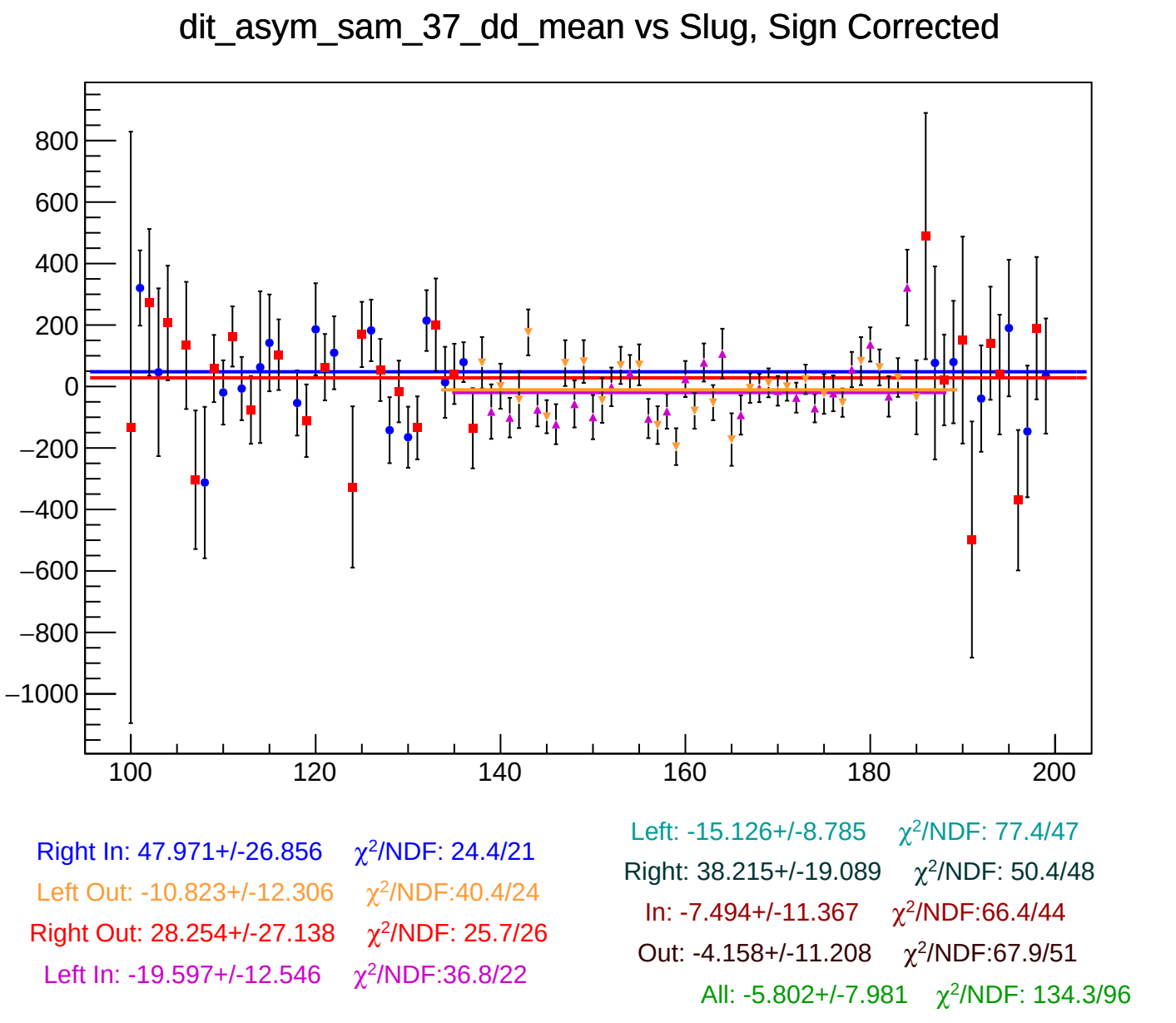
Left: 259.776+/-0.031 χ^2/NDF: 5541171.4/47

Right: 707.422+/-0.108 χ^2/NDF: 4898348.0/48

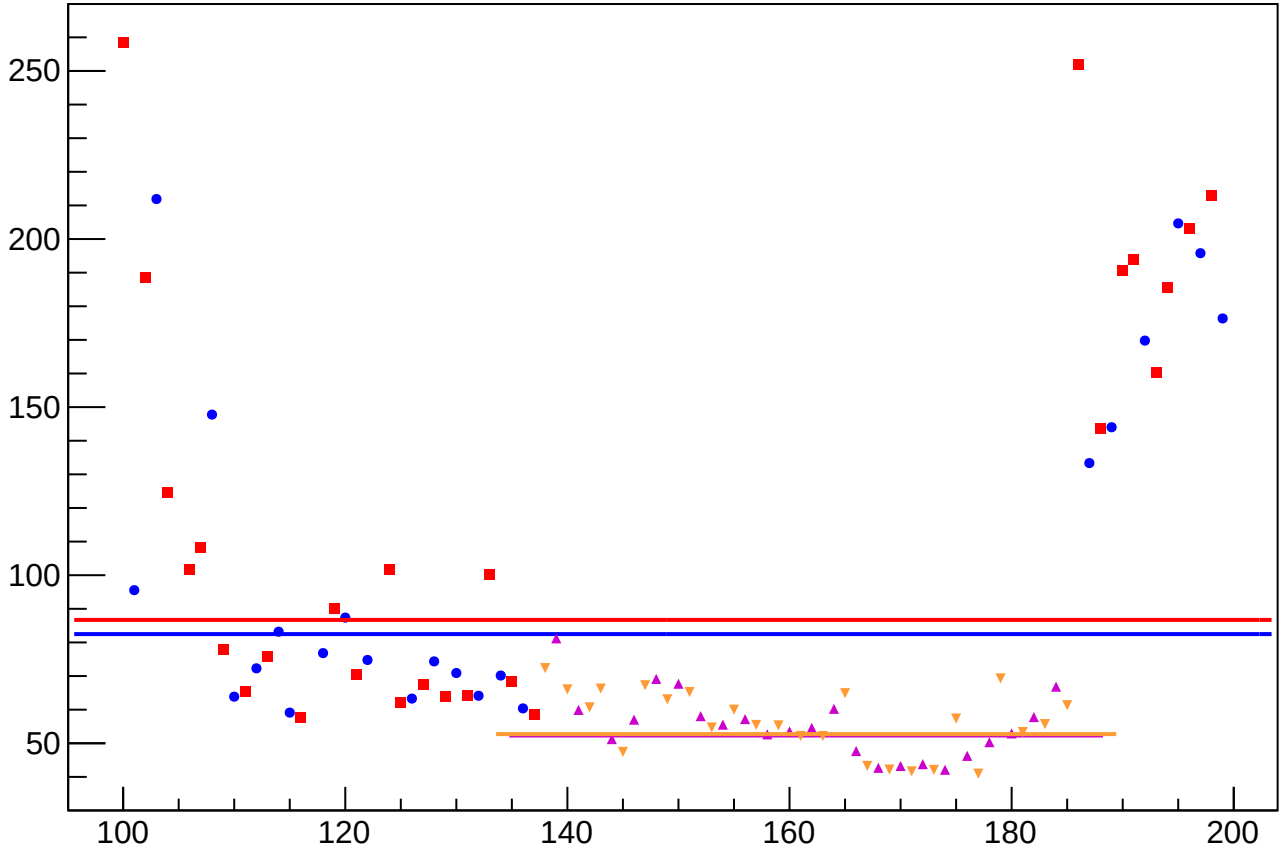
In: 290.502+/-0.043 χ^2/NDF:12448384.4/44

Out: 298.371+/-0.042 χ^2/NDF:13870864.1/51

All: 294.464+/-0.030 χ^2/NDF: 26336429.4/96


dit_asym_sam_37_dd_mean vs Slug, Sign Corrected
800
600
400
200
0
−200
−400
−600
−800
−1000
100
120
140
160
180
200
Right In: 47.971+/-26.856 χ²/NDF: 24.4/21
Left Out: -10.823+/-12.306 χ²/NDF:40.4/24
Right Out: 28.254+/-27.138 χ²/NDF: 25.7/26
Left In: -19.597+/-12.546 χ²/NDF:36.8/22
Left: -15.126+/-8.785 χ²/NDF: 77.4/47
Right: 38.215+/-19.089 χ²/NDF: 50.4/48
In: -7.494+/-11.367 χ²/NDF:66.4/44
Out: -4.158+/-11.208 χ²/NDF:67.9/51
All: -5.802+/-7.981 χ²/NDF: 134.3/96

dit_asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 82.482+/-0.019 χ^2/NDF: 3611948.0/21

Left Out: 52.731+/-0.009 χ^2/NDF:1167195.4/24

Right Out: 86.703+/-0.019 χ^2/NDF: 4343450.5/26

Left In: 52.314+/-0.009 χ^2/NDF:891847.5/22

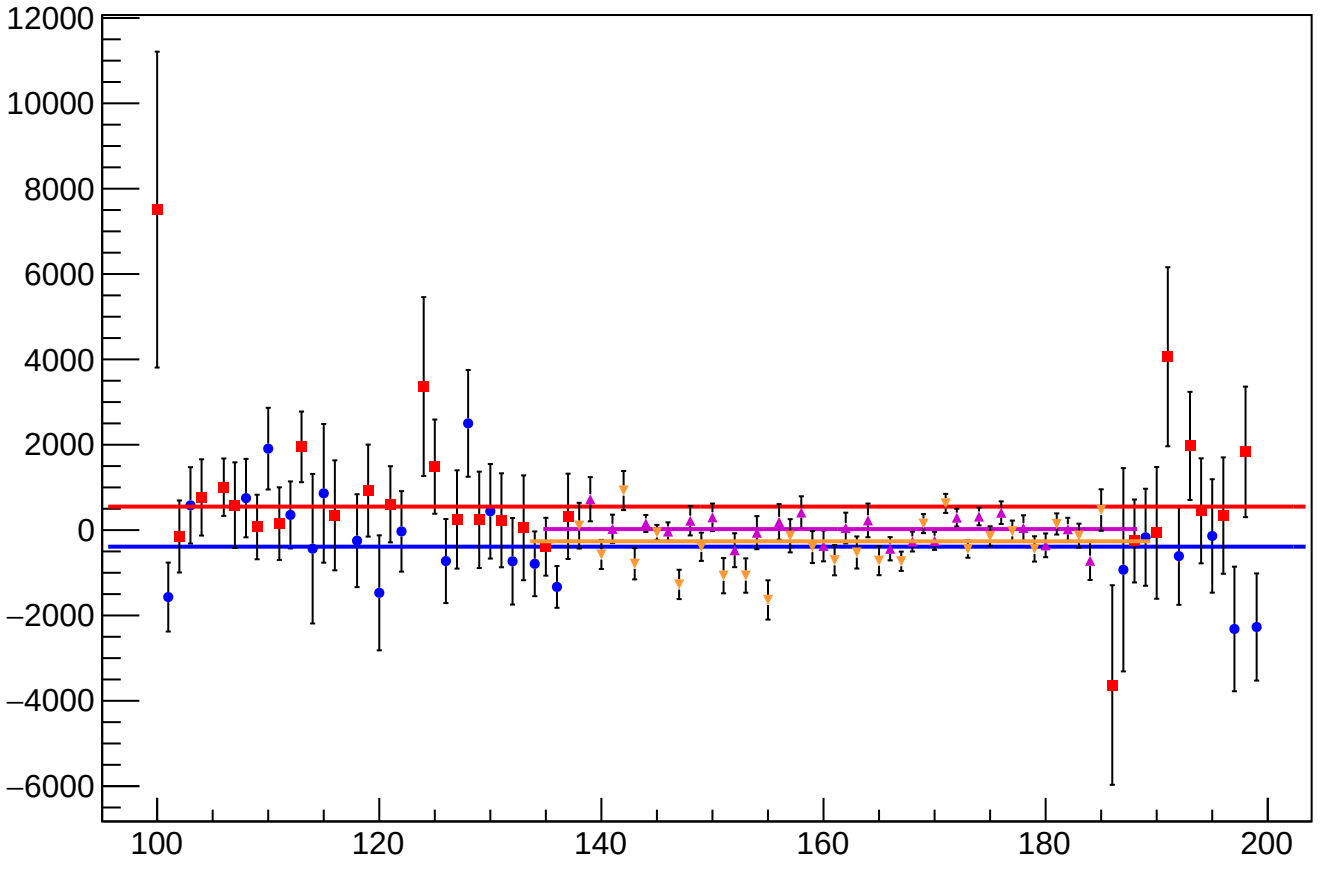
Left: 52.526+/-0.006 χ^2/NDF: 2060169.7/47

Right: 84.570+/-0.013 χ^2/NDF: 7979844.4/48

In: 57.718+/-0.008 χ^2/NDF:6575344.1/44

Out: 58.525+/-0.008 χ^2/NDF:8110239.4/51

All: 58.127+/-0.006 χ^2/NDF: 14690699.7/96



Right In: -388.413+/-210.077 χ^2/NDF: 27.2/21

Left Out: -262.582+/-58.501 χ^2/NDF:72.2/24

Right Out: 550.681+/-201.495 χ^2/NDF: 22.1/26

Left In: 23.469+/-59.397 χ^2/NDF:24.2/22

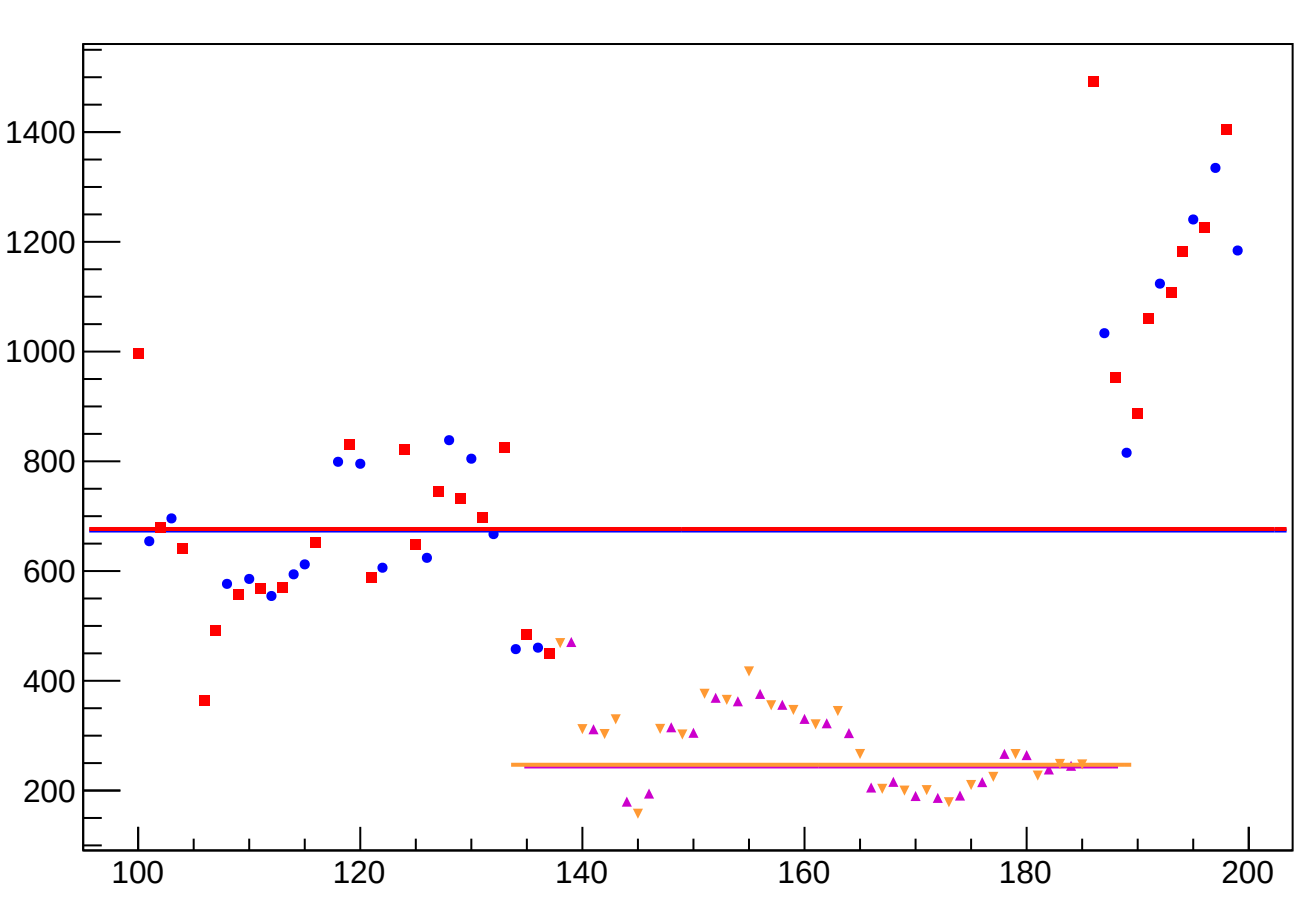
Left: -121.730+/-41.679 χ^2/NDF: 108.2/47

Right: 100.707+/-145.418 χ^2/NDF: 59.7/48

In: -7.020+/-57.156 χ^2/NDF:54.9/44

Out: -199.358+/-56.181 χ^2/NDF:109.3/51

All: -104.844+/-40.066 χ^2/NDF: 170.0/96



Right In: 673.867+/-0.149 χ^2/NDF: 2250353.1/21

Left Out: 246.995+/-0.041 χ^2/NDF:2925691.6/24

Right Out: 676.667+/-0.142 χ^2/NDF: 2870491.6/26

Left In: 243.825+/-0.042 χ^2/NDF:2490545.8/22

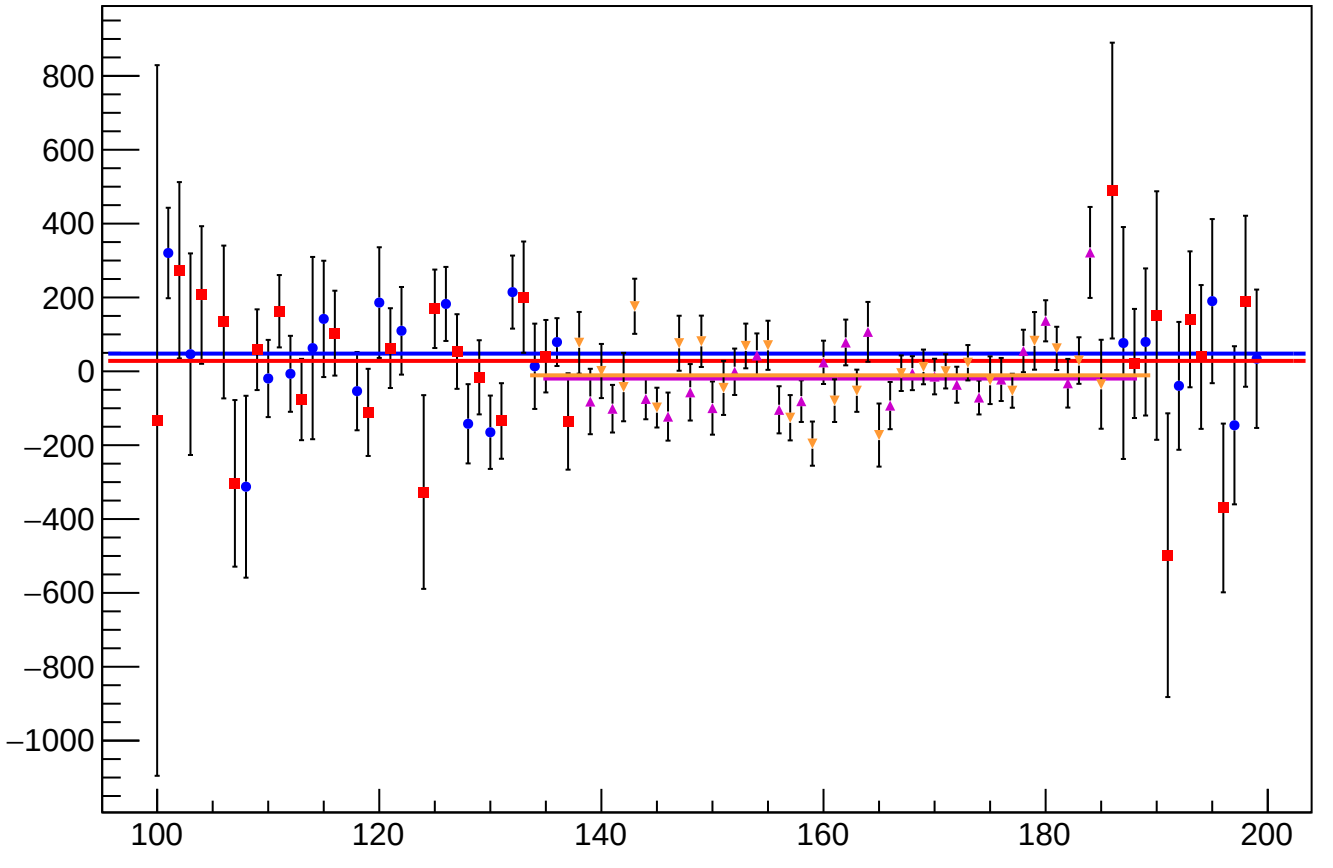
Left: 245.434+/-0.029 χ^2/NDF: 5419129.9/47

Right: 675.325+/-0.103 χ^2/NDF: 5121029.8/48

In: 275.658+/-0.040 χ^2/NDF:12501456.8/44

Out: 280.398+/-0.040 χ^2/NDF:14183562.8/51

All: 278.069+/-0.028 χ^2/NDF: 26692016.6/96



Right In: 47.970+/-26.856 χ^2/NDF: 24.4/21

Left Out: -10.822+/-12.306 χ^2/NDF:40.4/24

Right Out: 28.253+/-27.138 χ^2/NDF: 25.7/26

Left In: -19.598+/-12.546 χ^2/NDF:36.8/22

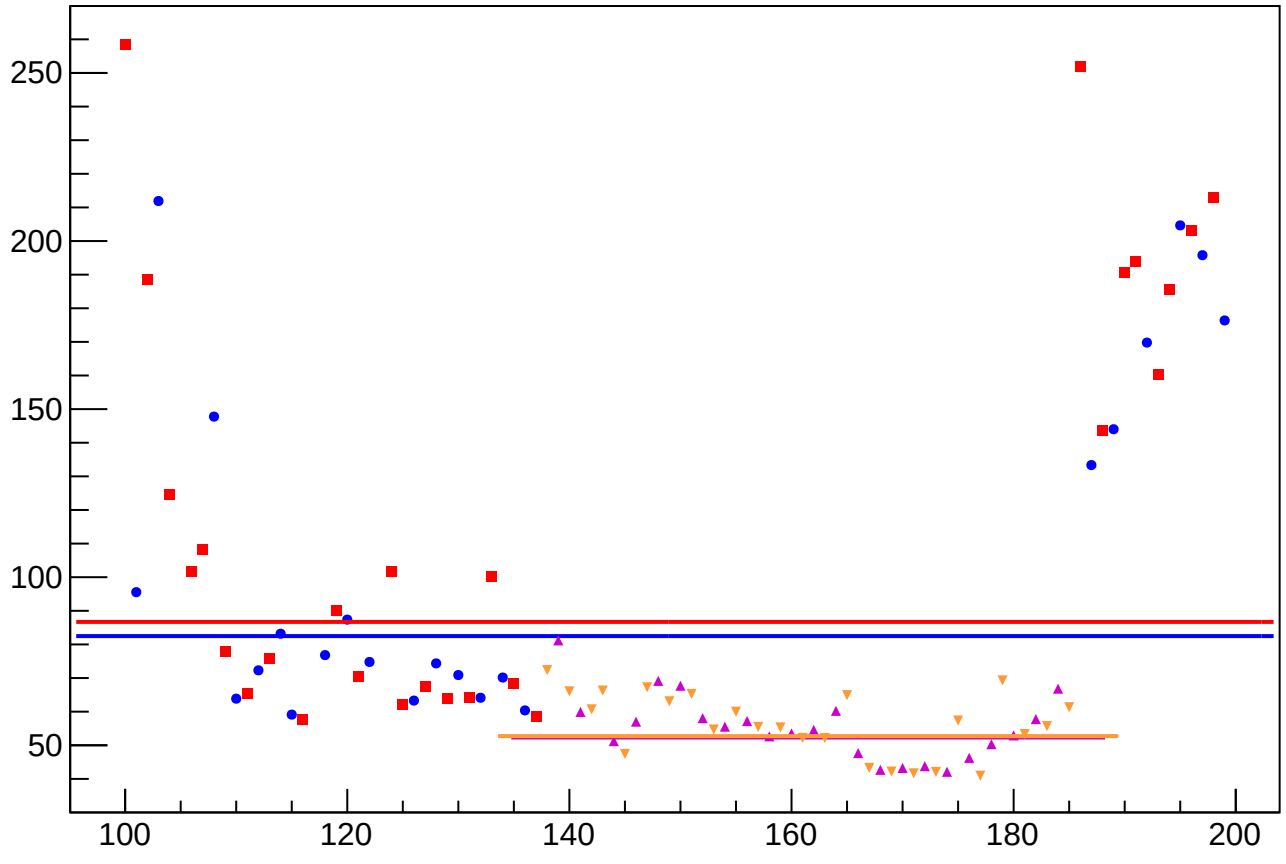
Left: -15.125+/-8.785 χ^2/NDF: 77.4/47

Right: 38.214+/-19.089 χ^2/NDF: 50.4/48

In: -7.494+/-11.367 χ^2/NDF:66.4/44

Out: -4.158+/-11.208 χ^2/NDF:67.9/51

All: -5.802+/-7.981 χ^2/NDF: 134.3/96



Right In: 82.481+/-0.019 χ^2/NDF: 3611968.2/21

Left Out: 52.731+/-0.009 χ^2/NDF:1167223.2/24

Right Out: 86.703+/-0.019 χ^2/NDF: 4343448.3/26

Left In: 52.314+/-0.009 χ^2/NDF:891856.0/22

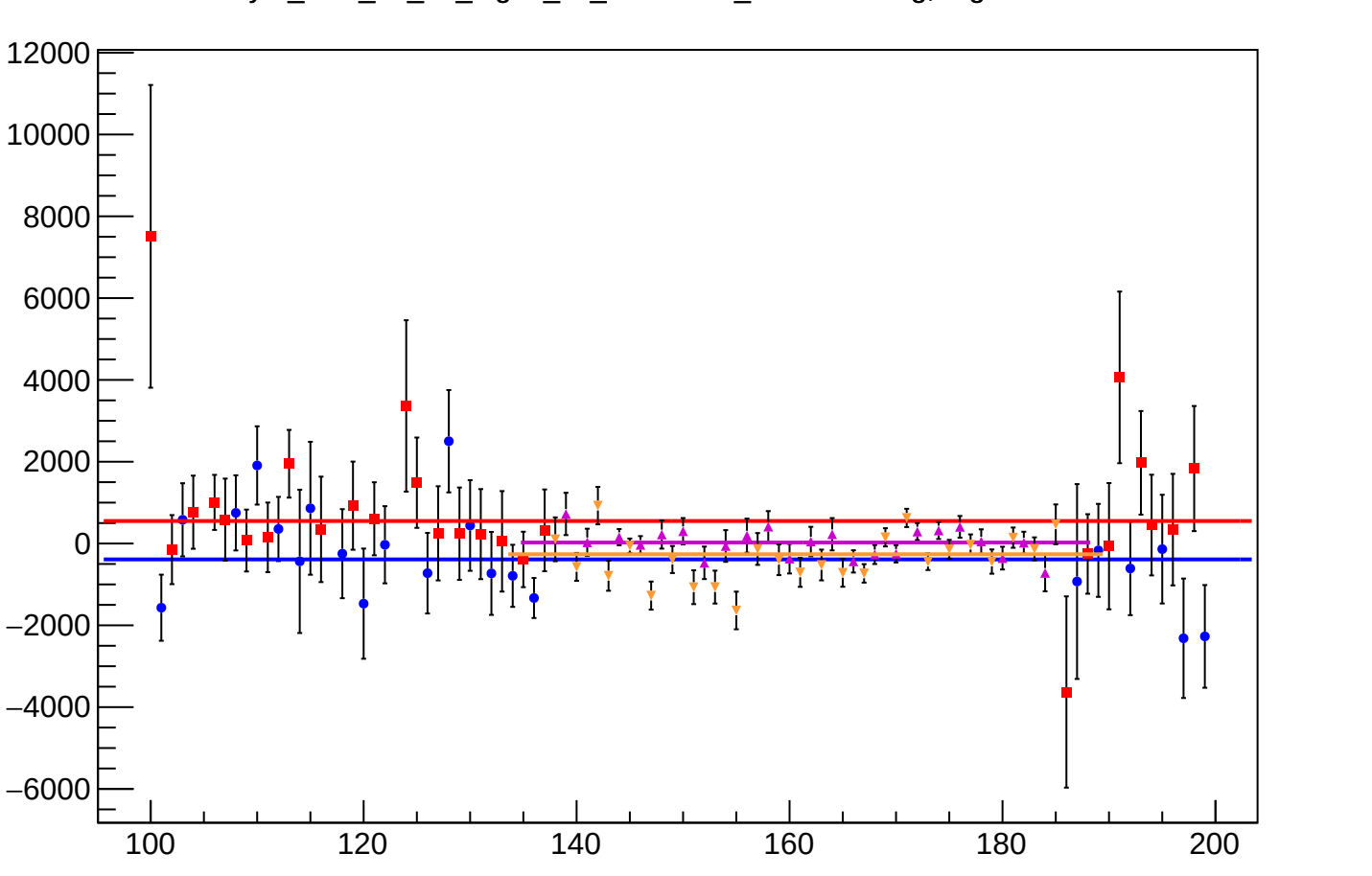
Left: 52.526+/-0.006 χ^2/NDF: 2060206.1/47

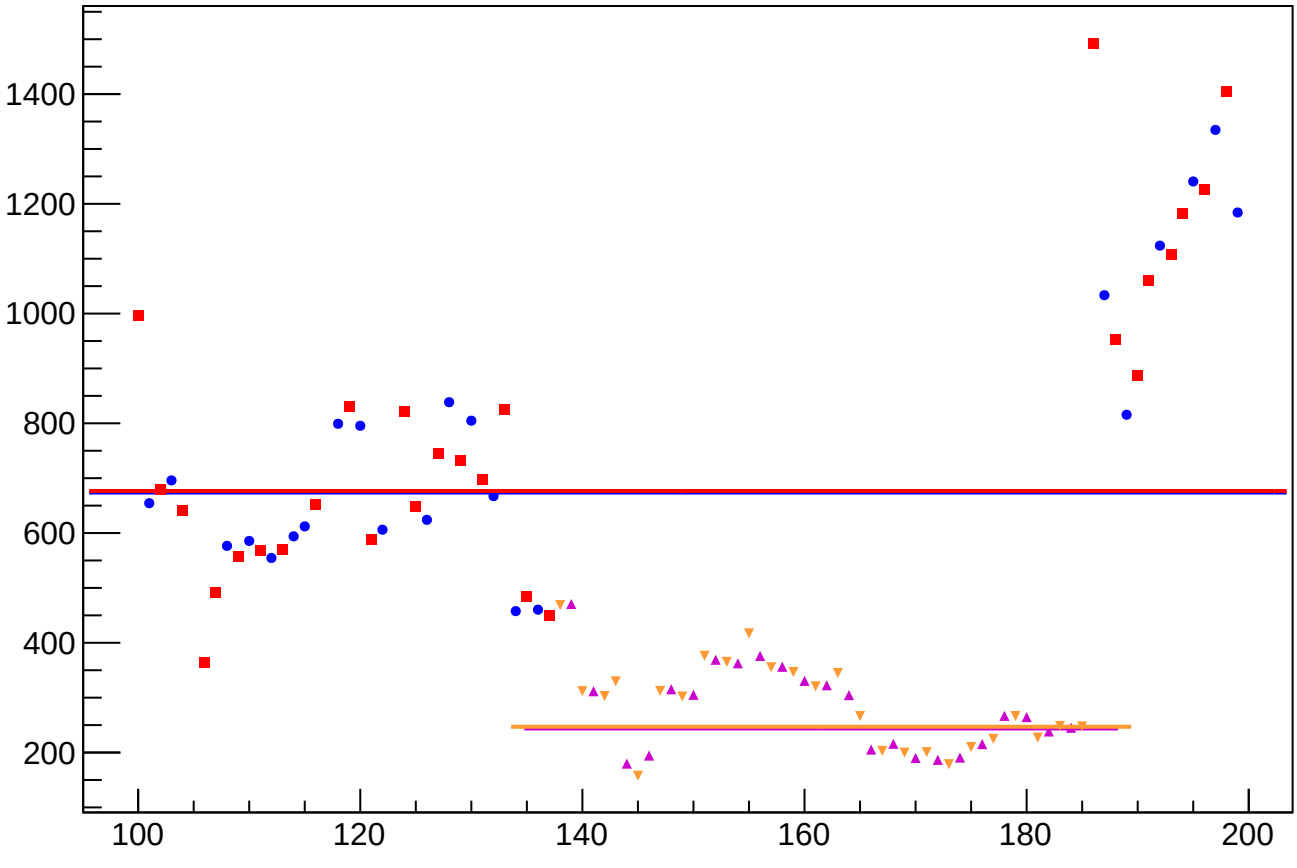
Right: 84.570+/-0.013 χ^2/NDF: 7979863.4/48

In: 57.718+/-0.008 χ^2/NDF:6575346.3/44

Out: 58.525+/-0.008 χ^2/NDF:8110244.5/51

All: 58.127+/-0.006 χ^2/NDF: 14690707.3/96


asym_sam_37_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
12000
10000
8000
6000
4000
2000
0
−2000
−4000
−6000
100
120
140
160
180
200
Right In: -388.412+/-210.077 χ²/NDF: 27.2/21
Left Out: -262.582+/-58.501 χ²/NDF:72.2/24
Right Out: 550.681+/-201.495 χ²/NDF: 22.1/26
Left In: 23.469+/-59.397 χ²/NDF:24.2/22
Left: -121.730+/-41.679 χ²/NDF: 108.2/47
Right: 100.708+/-145.418 χ²/NDF: 59.7/48
In: -7.020+/-57.156 χ²/NDF:54.9/44
Out: -199.358+/-56.181 χ²/NDF:109.3/51
All: -104.844+/-40.066 χ²/NDF: 170.0/96



Right In: 673.867+/-0.149 χ^2/NDF: 2250341.7/21

Left Out: 246.995+/-0.041 χ^2/NDF:2925680.1/24

Right Out: 676.666+/-0.142 χ^2/NDF: 2870486.4/26

Left In: 243.825+/-0.042 χ^2/NDF:2490539.0/22

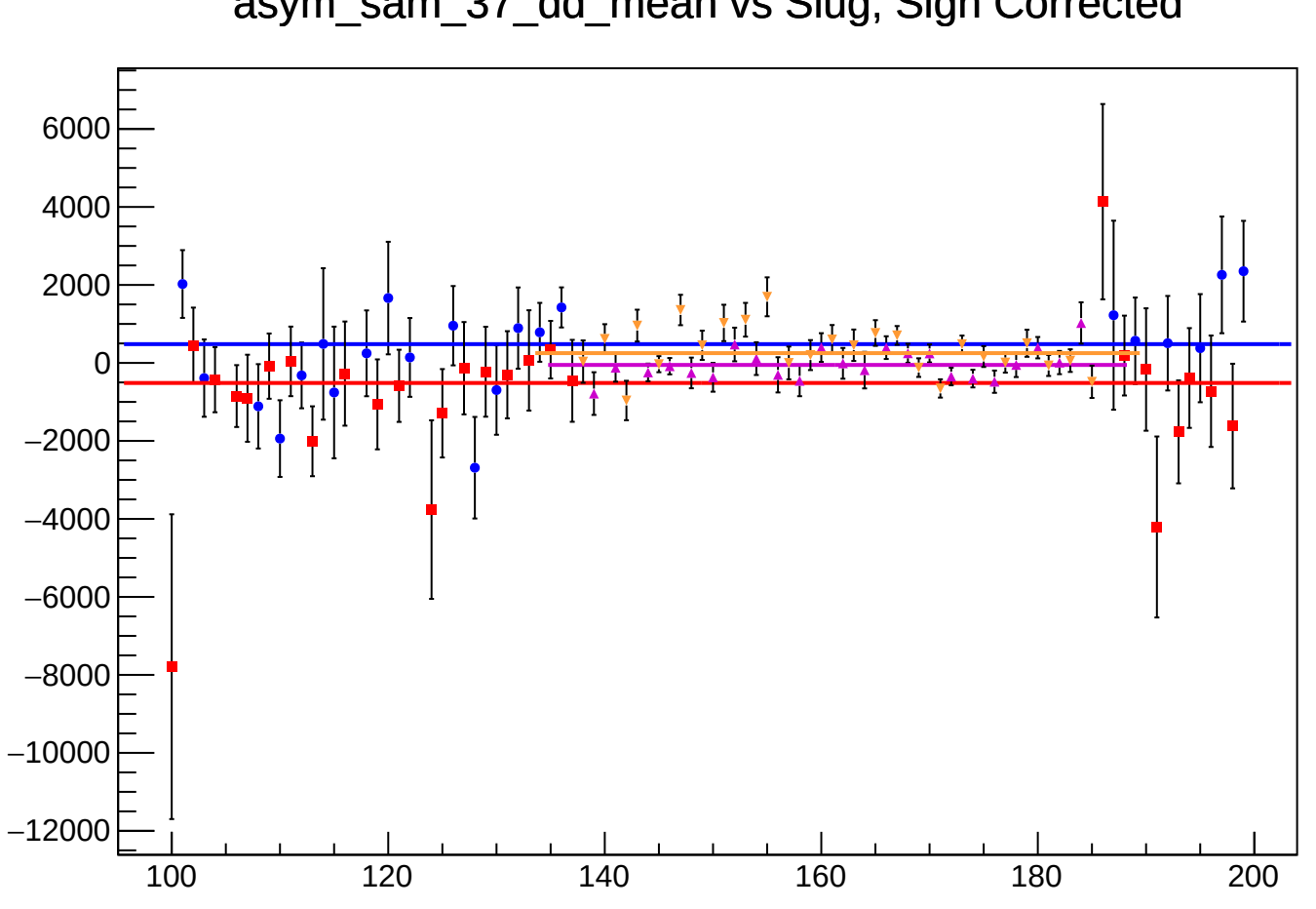
Left: 245.434+/-0.029 χ^2/NDF: 5419111.8/47

Right: 675.325+/-0.103 χ^2/NDF: 5121013.2/48

In: 275.658+/-0.040 χ^2/NDF:12501454.6/44

Out: 280.398+/-0.040 χ^2/NDF:14183545.2/51

All: 278.069+/-0.028 χ^2/NDF: 26691997.2/96



Right In: 482.044+/-220.601 χ^2/NDF: 28.9/21

Left Out: 251.109+/-63.424 χ^2/NDF:67.5/24

Right Out: -514.049+/-214.562 χ^2/NDF: 20.6/26

Left In: -51.707+/-63.843 χ^2/NDF:26.8/22

Left: 100.699+/-44.995 χ^2/NDF: 105.7/47

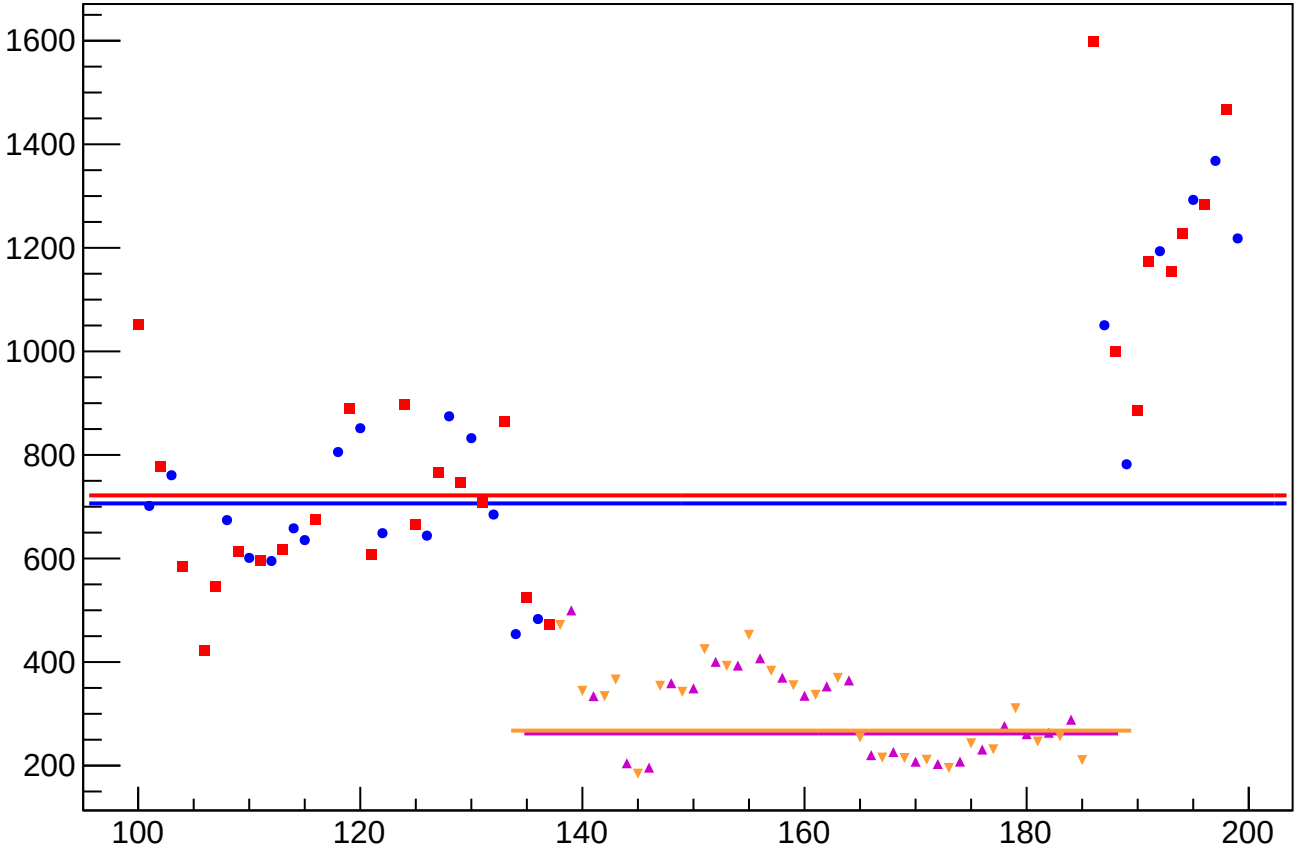
Right: -29.824+/-153.809 χ^2/NDF: 60.0/48

In: -10.457+/-61.327 χ^2/NDF:61.1/44

Out: 189.624+/-60.822 χ^2/NDF:99.8/51

All: 90.410+/-43.185 χ^2/NDF: 166.3/96

asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 706.356+/-0.156 χ^2/NDF: 2214993.8/21

Left Out: 267.589+/-0.045 χ^2/NDF:2801460.2/24

Right Out: 721.864+/-0.152 χ^2/NDF: 2648911.1/26

Left In: 262.092+/-0.045 χ^2/NDF:2537465.8/22

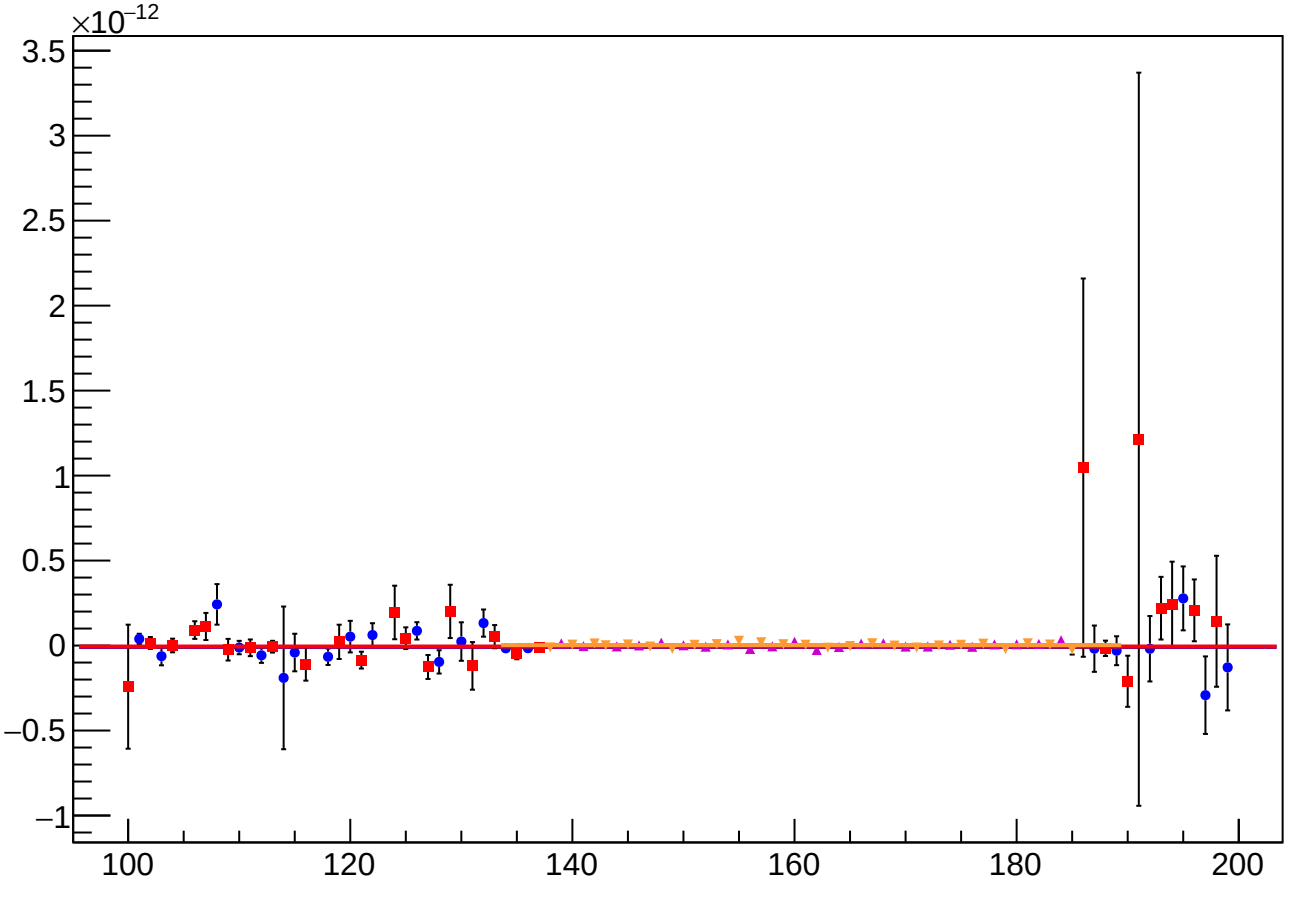
Left: 264.859+/-0.032 χ^2/NDF: 5346387.6/47

Right: 714.325+/-0.109 χ^2/NDF: 4868984.4/48

In: 296.426+/-0.043 χ^2/NDF:12237009.0/44

Out: 304.093+/-0.043 χ^2/NDF:13695247.3/51

All: 300.291+/-0.031 χ^2/NDF: 25948013.0/96



Right In: -0.000+/-0.000 χ^2/NDF: 25.1/21

Left Out: 0.000+/-0.000 χ^2/NDF:15.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 27.1/26

Left In: 0.000+/-0.000 χ^2/NDF:12.3/22

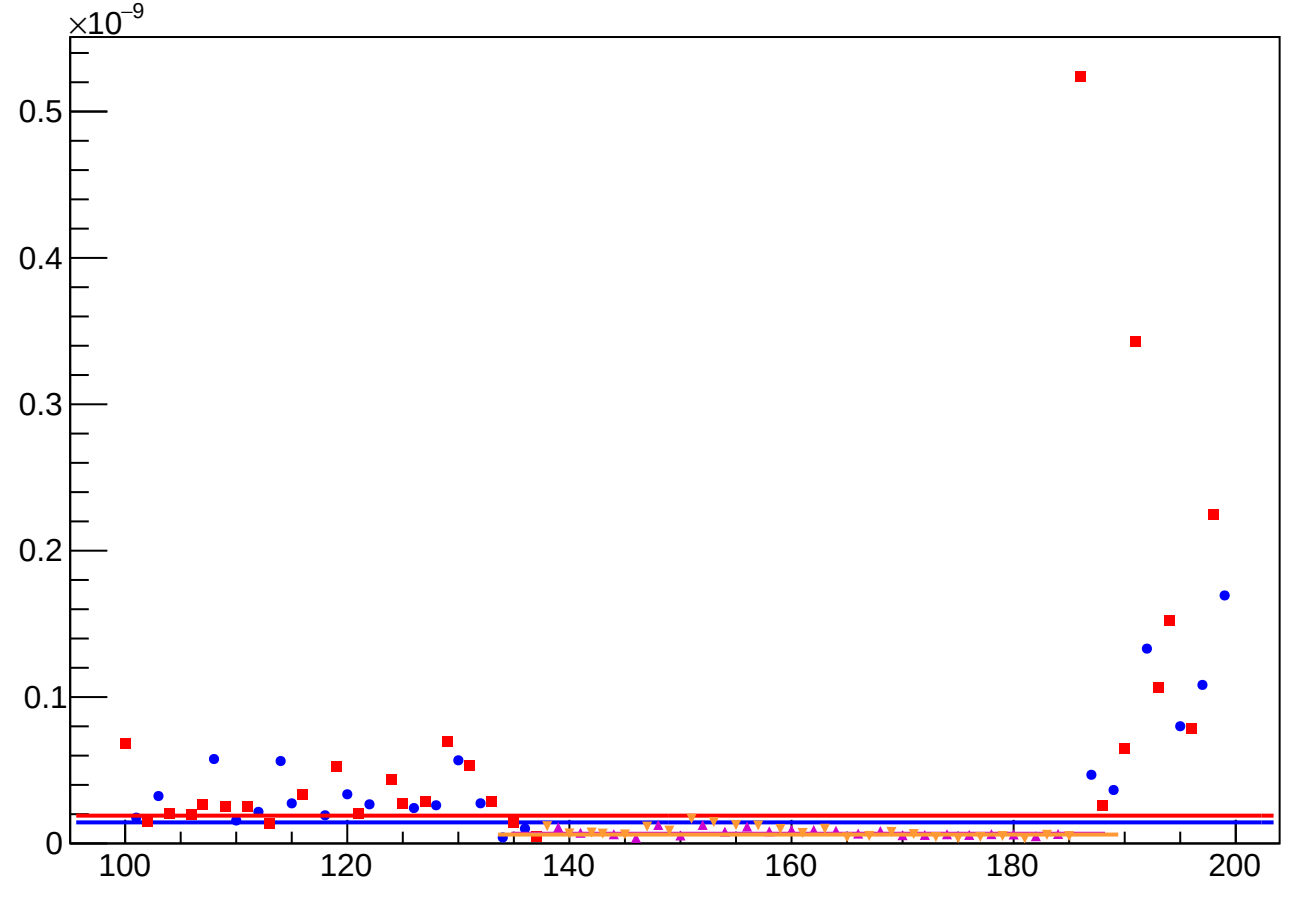
Left: 0.000+/-0.000 χ^2/NDF: 27.6/47

Right: -0.000+/-0.000 χ^2/NDF: 52.3/48

In: 0.000+/-0.000 χ^2/NDF:38.3/44

Out: 0.000+/-0.000 χ^2/NDF:42.9/51

All: 0.000+/-0.000 χ^2/NDF: 81.4/96



Right In: 0.000+/-0.000 χ^2/NDF: 4461900.7/21

Left Out: 0.000+/-0.000 χ^2/NDF:2413933.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4197243.0/26

Left In: 0.000+/-0.000 χ^2/NDF:1176996.8/22

Left: 0.000+/-0.000 χ^2/NDF: 3636937.9/47

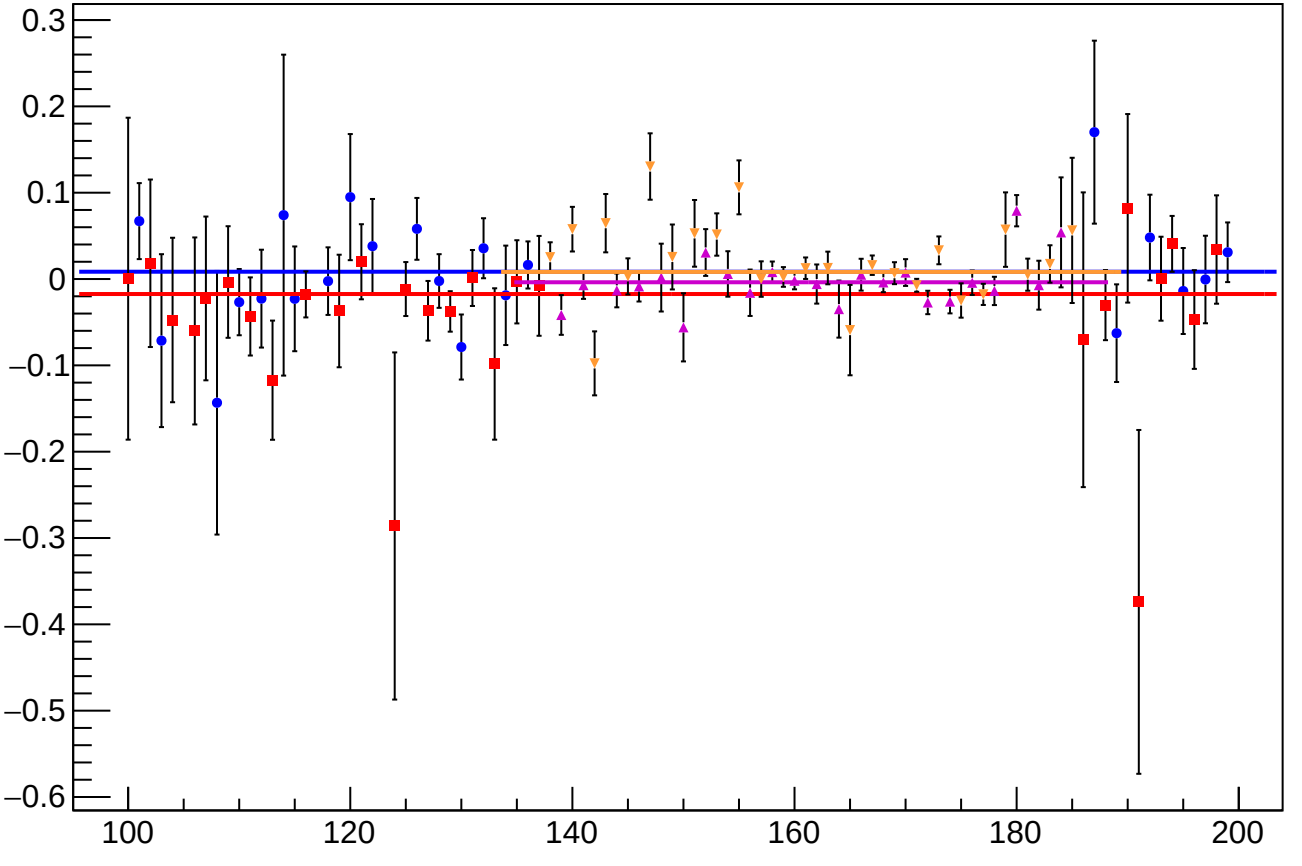
Right: 0.000+/-0.000 χ^2/NDF: 8863083.1/48

In: 0.000+/-0.000 χ^2/NDF:6935650.3/44

Out: 0.000+/-0.000 χ^2/NDF:9201279.5/51

All: 0.000+/-0.000 χ^2/NDF: 16185560.7/96

asym_sam_37_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.008+/-0.010 χ^2/NDF: 20.2/21

Left Out: 0.008+/-0.003 χ^2/NDF:58.8/24

Right Out: -0.017+/-0.009 χ^2/NDF: 16.4/26

Left In: -0.004+/-0.004 χ^2/NDF:37.2/22

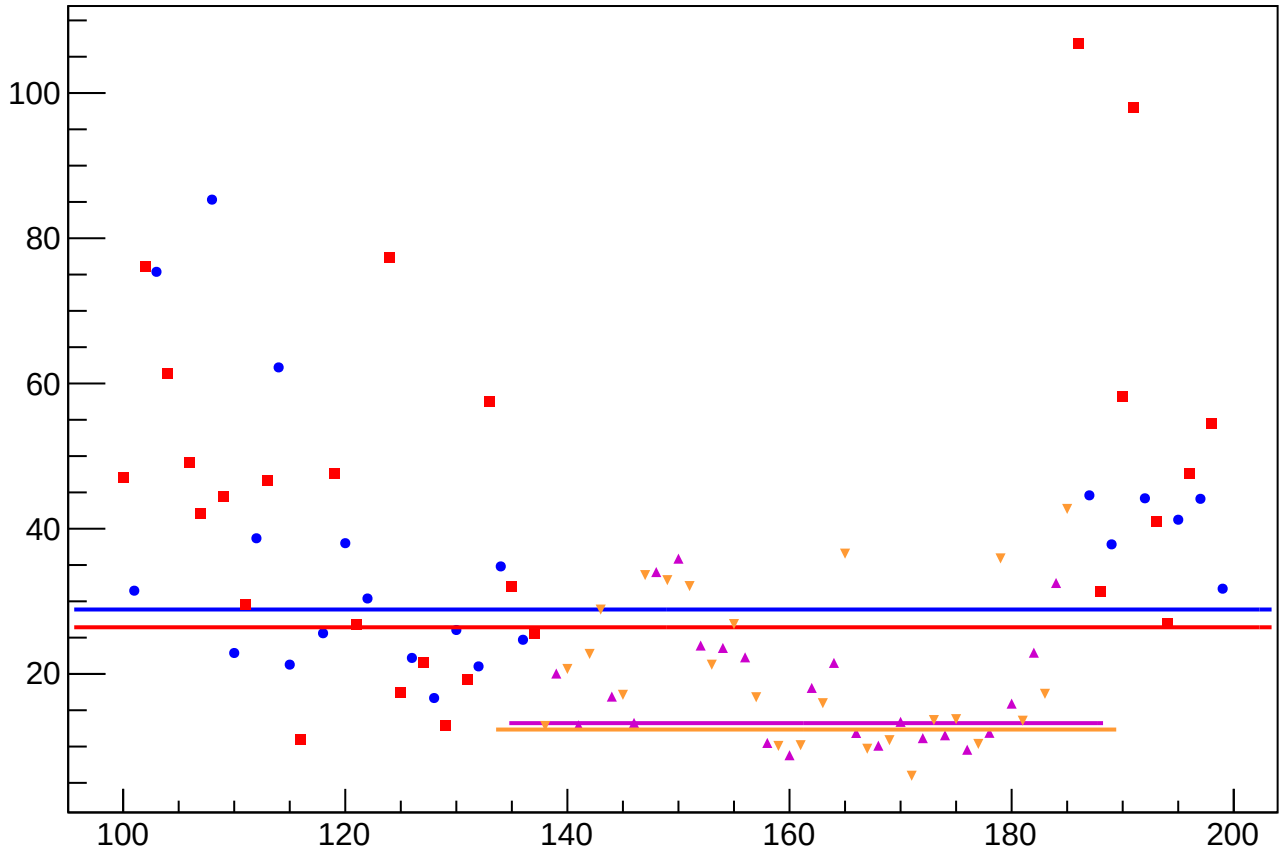
Left: 0.003+/-0.003 χ^2/NDF: 101.7/47

Right: -0.005+/-0.007 χ^2/NDF: 40.3/48

In: -0.002+/-0.003 χ^2/NDF:58.8/44

Out: 0.005+/-0.003 χ^2/NDF:81.9/51

All: 0.002+/-0.002 χ^2/NDF: 143.2/96



Right In: 28.874+/-0.007 χ^2/NDF: 2123193.6/21

Left Out: 12.343+/-0.002 χ^2/NDF:6743594.0/24

Right Out: 26.426+/-0.007 χ^2/NDF: 5318690.7/26

Left In: 13.225+/-0.003 χ^2/NDF:3870352.4/22

Left: 12.762+/-0.002 χ^2/NDF: 10675886.6/47

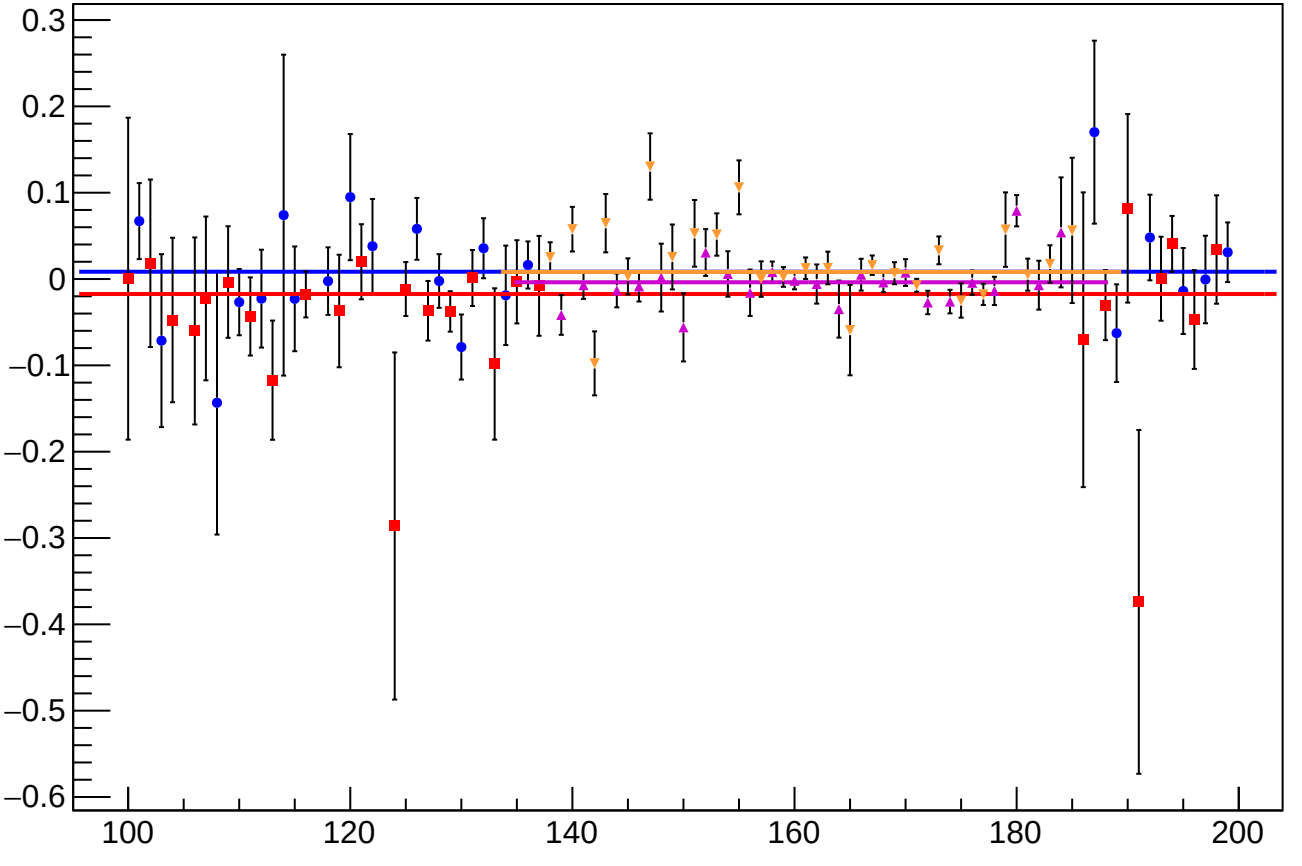
Right: 27.584+/-0.005 χ^2/NDF: 7508528.4/48

In: 15.139+/-0.002 χ^2/NDF:10530501.7/44

Out: 14.075+/-0.002 χ^2/NDF:16151304.9/51

All: 14.580+/-0.002 χ^2/NDF: 26784502.1/96

asym_sam_37_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.008+/-0.010 χ^2/NDF: 20.2/21

Left Out: 0.008+/-0.003 χ^2/NDF:58.8/24

Right Out: -0.017+/-0.009 χ^2/NDF: 16.4/26

Left In: -0.004+/-0.004 χ^2/NDF:37.2/22

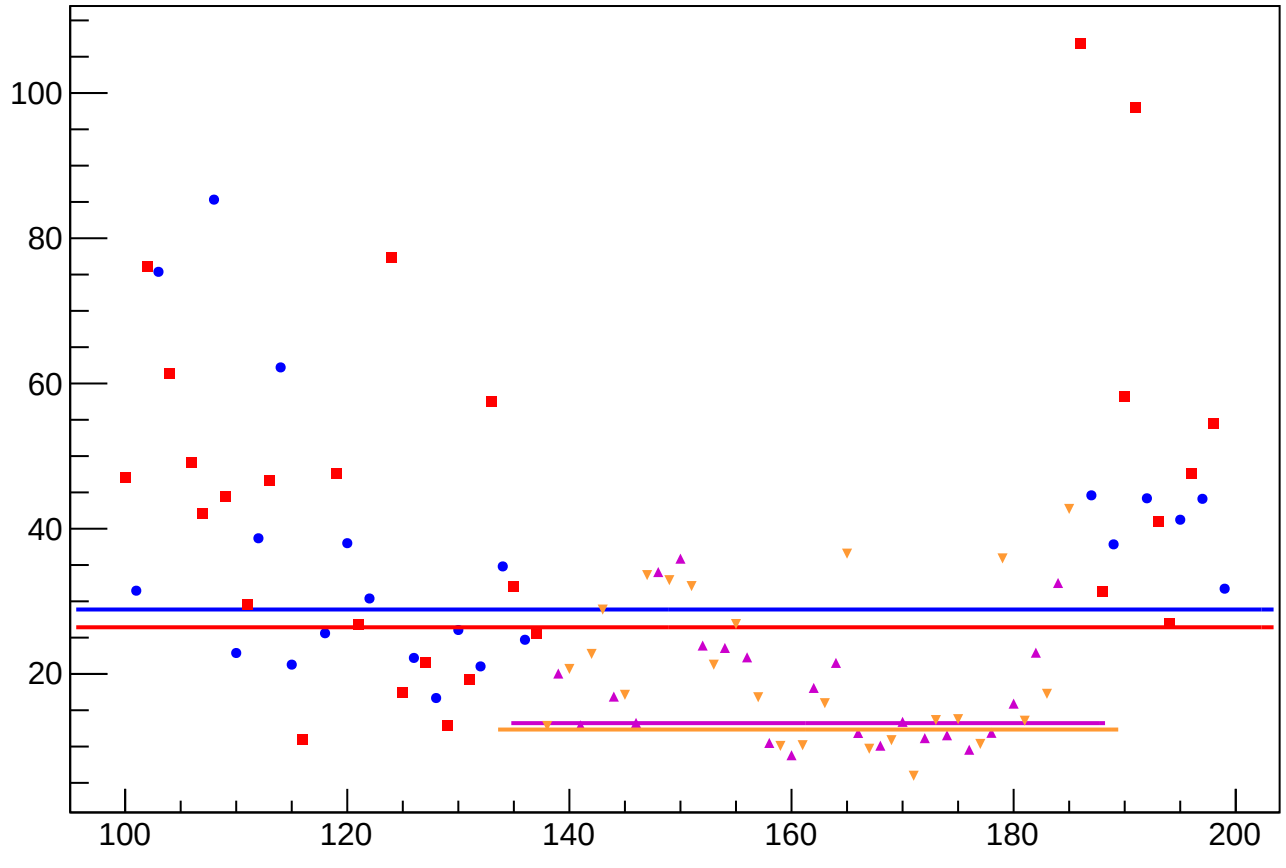
Left: 0.003+/-0.003 χ^2/NDF: 101.7/47

Right: -0.005+/-0.007 χ^2/NDF: 40.3/48

In: -0.002+/-0.003 χ^2/NDF:58.8/44

Out: 0.005+/-0.003 χ^2/NDF:81.9/51

All: 0.002+/-0.002 χ^2/NDF: 143.2/96



Right In: 28.874+/-0.007 χ^2/NDF: 2123193.6/21

Left Out: 12.343+/-0.002 χ^2/NDF:6743594.0/24

Right Out: 26.426+/-0.007 χ^2/NDF: 5318690.7/26

Left In: 13.225+/-0.003 χ^2/NDF:3870352.4/22

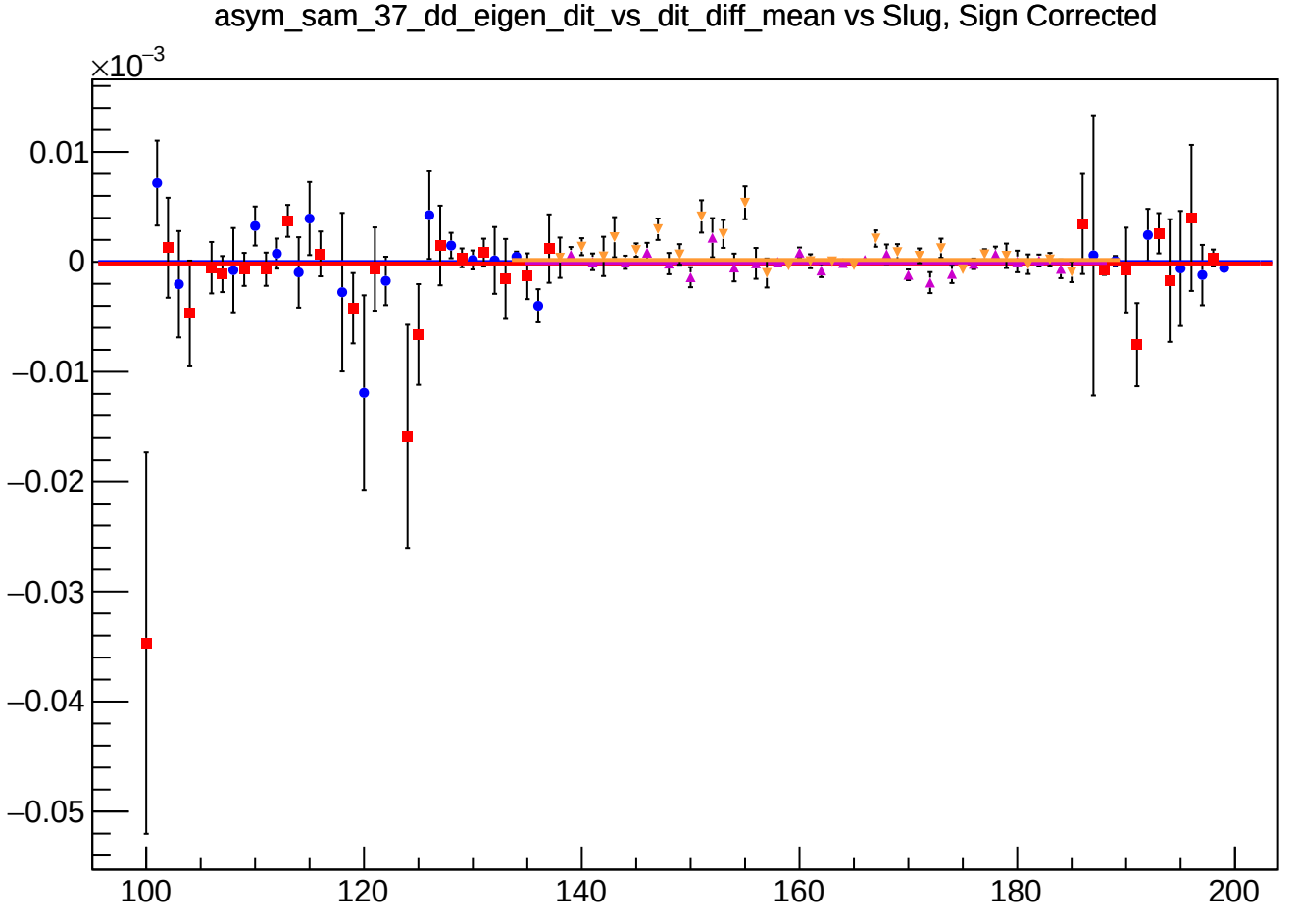
Left: 12.762+/-0.002 χ^2/NDF: 10675886.6/47

Right: 27.584+/-0.005 χ^2/NDF: 7508528.4/48

In: 15.139+/-0.002 χ^2/NDF:10530501.7/44

Out: 14.075+/-0.002 χ^2/NDF:16151304.9/51

All: 14.580+/-0.002 χ^2/NDF: 26784502.1/96



Right In: -0.000+/-0.000 χ^2/NDF: 25.8/21

Left Out: 0.000+/-0.000 χ^2/NDF:61.5/24

Right Out: -0.000+/-0.000 χ^2/NDF: 29.9/26

Left In: -0.000+/-0.000 χ^2/NDF:24.5/22

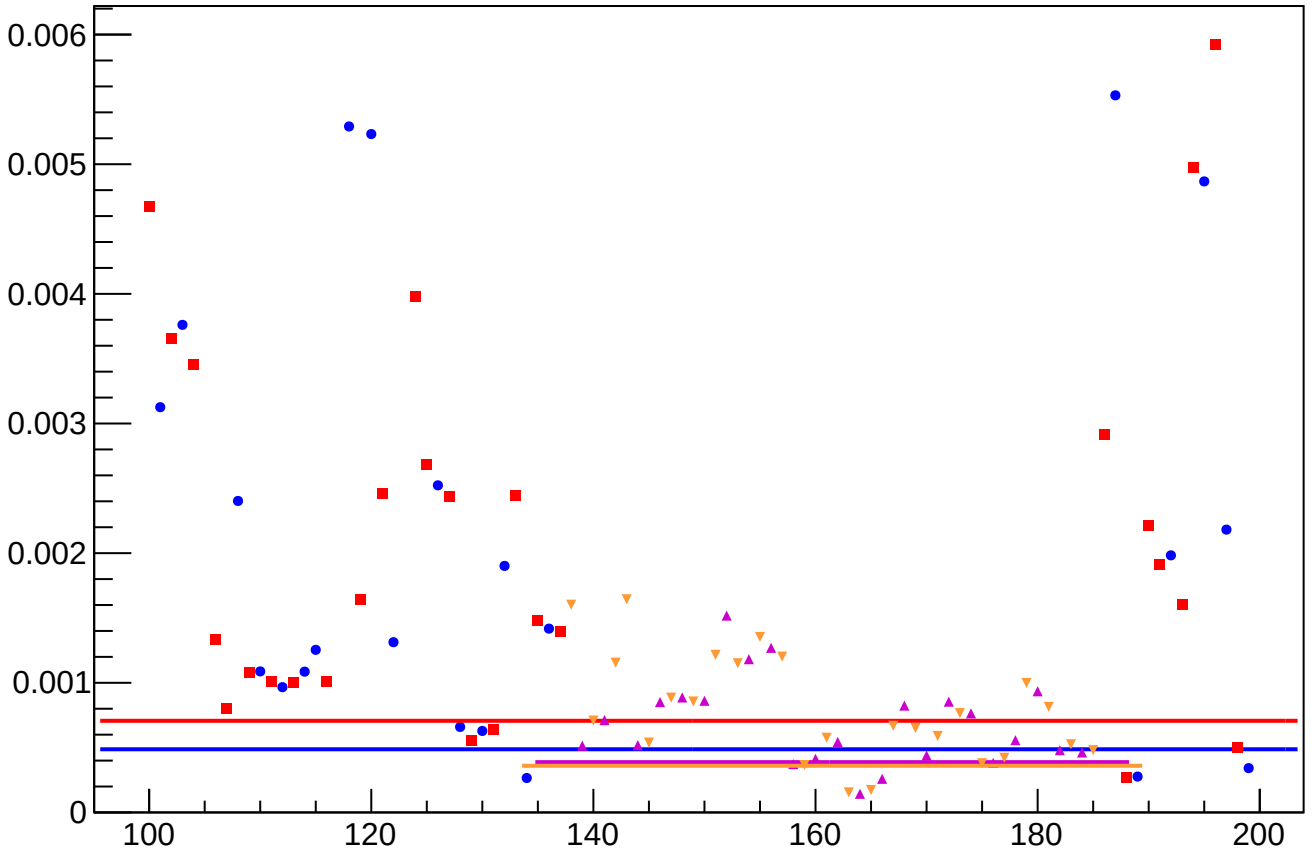
Left: 0.000+/-0.000 χ^2/NDF: 88.8/47

Right: -0.000+/-0.000 χ^2/NDF: 55.8/48

In: -0.000+/-0.000 χ^2/NDF:50.4/44

Out: 0.000+/-0.000 χ^2/NDF:92.5/51

All: 0.000+/-0.000 χ^2/NDF: 145.0/96



Right In: 0.000+/-0.000 χ^2/NDF: 10985408.8/21

Left Out: 0.000+/-0.000 χ^2/NDF:14019628.7/24

Right Out: 0.001+/-0.000 χ^2/NDF: 10386733.7/26

Left In: 0.000+/-0.000 χ^2/NDF:10459340.6/22

Left: 0.000+/-0.000 χ^2/NDF: 24545127.9/47

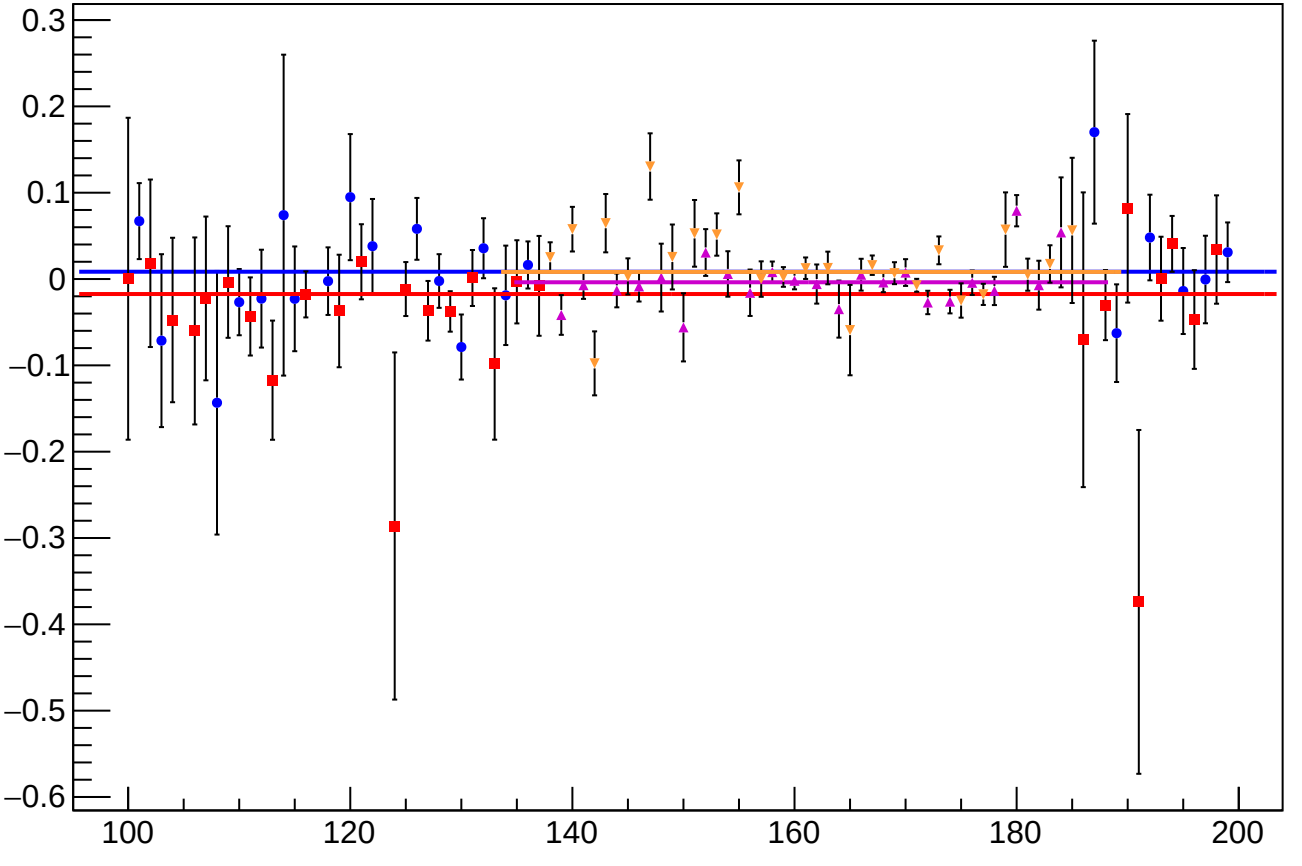
Right: 0.001+/-0.000 χ^2/NDF: 22101665.6/48

In: 0.000+/-0.000 χ^2/NDF:21772632.1/44

Out: 0.000+/-0.000 χ^2/NDF:26919627.4/51

All: 0.000+/-0.000 χ^2/NDF: 48700368.5/96

asym_sam_37_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.008+/-0.010 χ^2/NDF: 20.2/21

Left Out: 0.008+/-0.003 χ^2/NDF:58.8/24

Right Out: -0.017+/-0.009 χ^2/NDF: 16.4/26

Left In: -0.004+/-0.004 χ^2/NDF:37.2/22

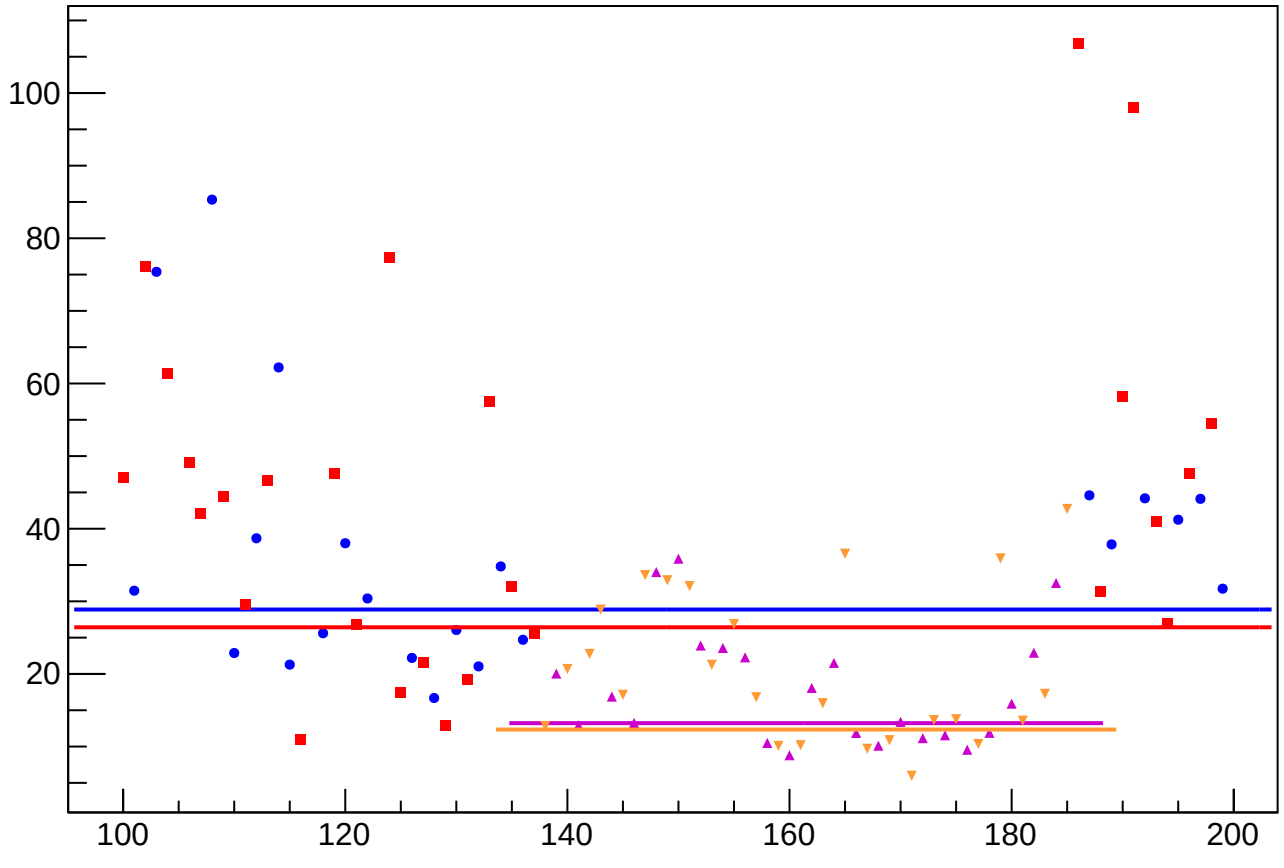
Left: 0.003+/-0.003 χ^2/NDF: 101.7/47

Right: -0.005+/-0.007 χ^2/NDF: 40.3/48

In: -0.002+/-0.003 χ^2/NDF:58.8/44

Out: 0.005+/-0.003 χ^2/NDF:81.9/51

All: 0.002+/-0.002 χ^2/NDF: 143.2/96



Right In: 28.874+/-0.007 χ^2/NDF: 2123123.9/21

Left Out: 12.343+/-0.002 χ^2/NDF:6743823.4/24

Right Out: 26.427+/-0.007 χ^2/NDF: 5318389.7/26

Left In: 13.225+/-0.003 χ^2/NDF:3870507.9/22

Left: 12.762+/-0.002 χ^2/NDF: 10676265.0/47

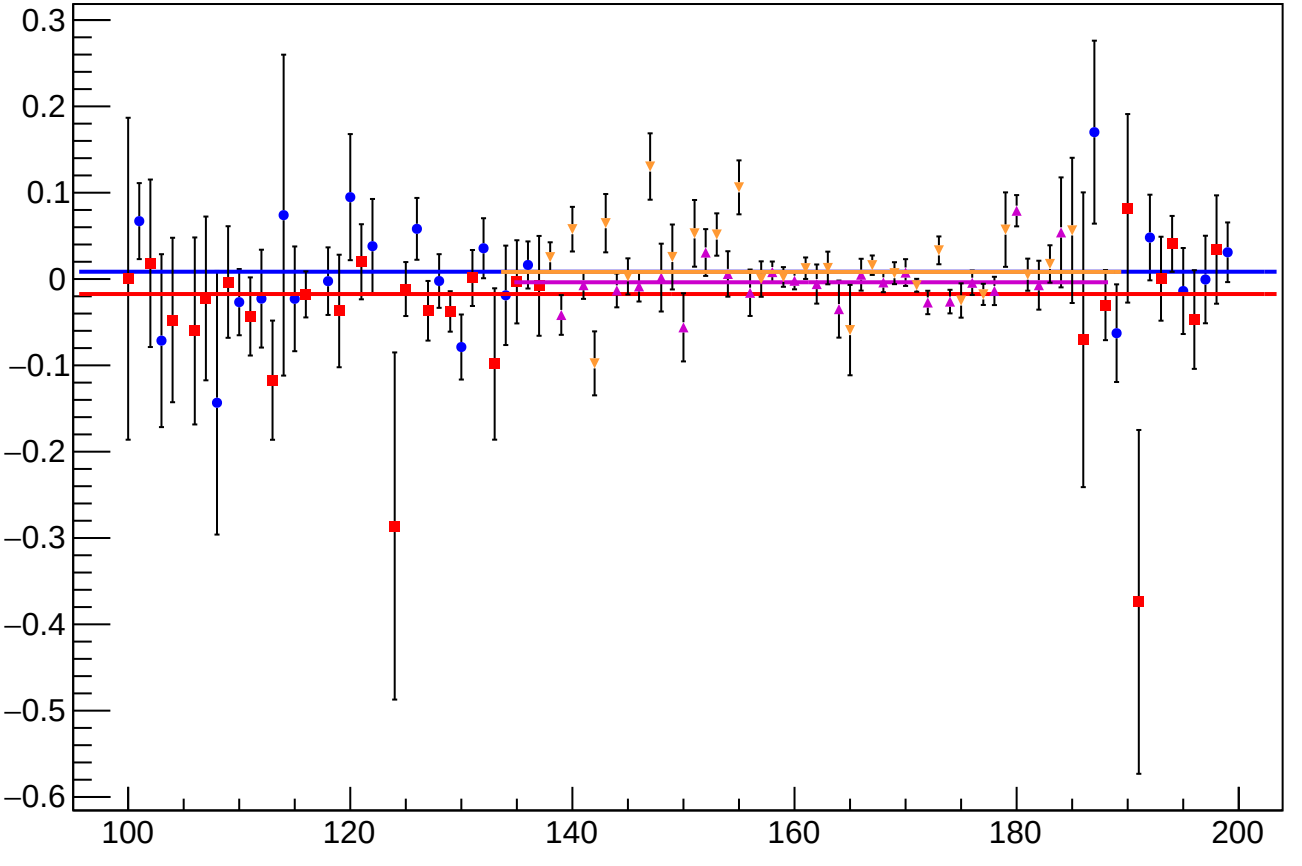
Right: 27.585+/-0.005 χ^2/NDF: 7508143.2/48

In: 15.139+/-0.002 χ^2/NDF:10530686.0/44

Out: 14.075+/-0.002 χ^2/NDF:16151415.9/51

All: 14.580+/-0.002 χ^2/NDF: 26784784.4/96

asym_sam_37_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.008+/-0.010 χ^2/NDF: 20.2/21

Left Out: 0.008+/-0.003 χ^2/NDF:58.8/24

Right Out: -0.017+/-0.009 χ^2/NDF: 16.4/26

Left In: -0.004+/-0.004 χ^2/NDF:37.2/22

Left: 0.003+/-0.003 χ^2/NDF: 101.7/47

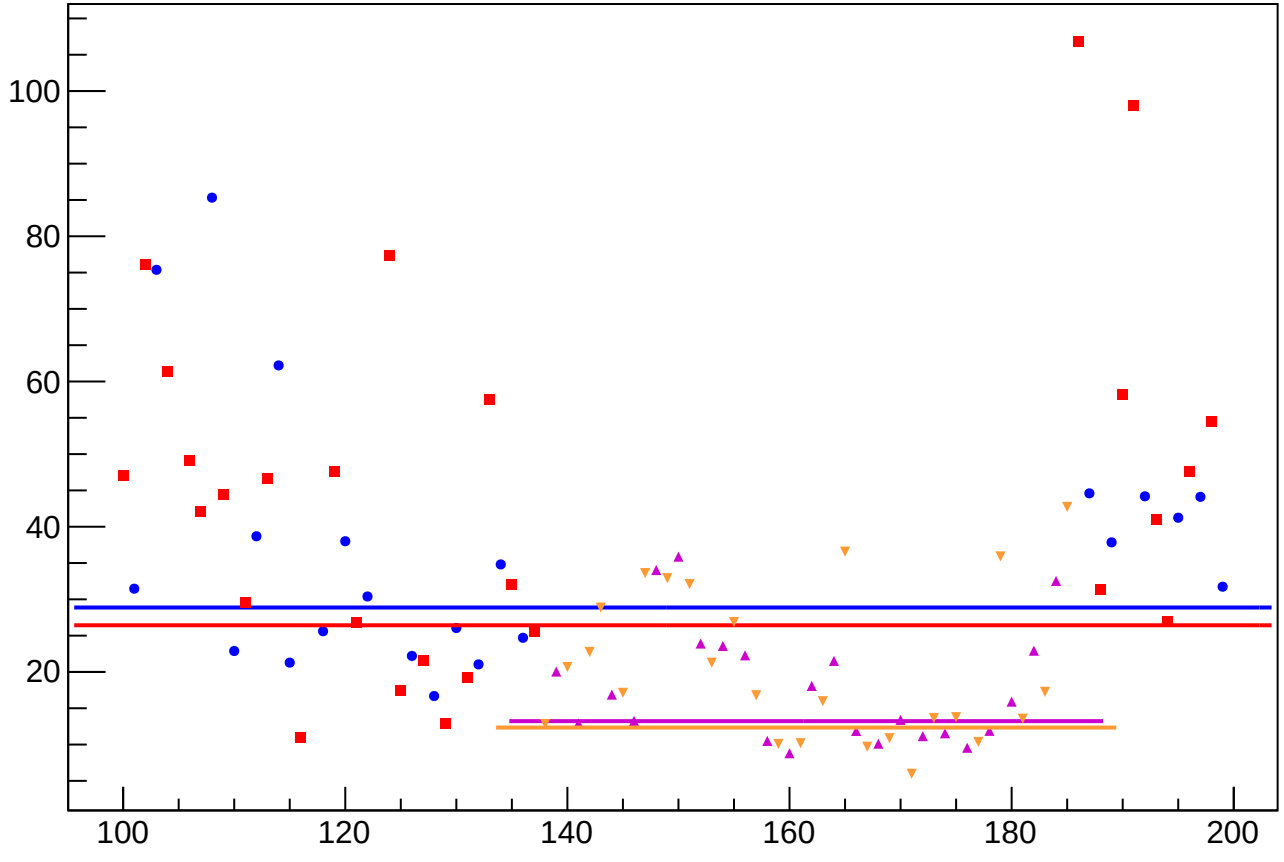
Right: -0.005+/-0.007 χ^2/NDF: 40.3/48

In: -0.002+/-0.003 χ^2/NDF:58.8/44

Out: 0.005+/-0.003 χ^2/NDF:81.9/51

All: 0.002+/-0.002 χ^2/NDF: 143.2/96

asym_sam_37_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 28.874+/-0.007 χ^2/NDF: 2123123.9/21

Left Out: 12.343+/-0.002 χ^2/NDF:6743823.4/24

Right Out: 26.427+/-0.007 χ^2/NDF: 5318389.7/26

Left In: 13.225+/-0.003 χ^2/NDF:3870507.9/22

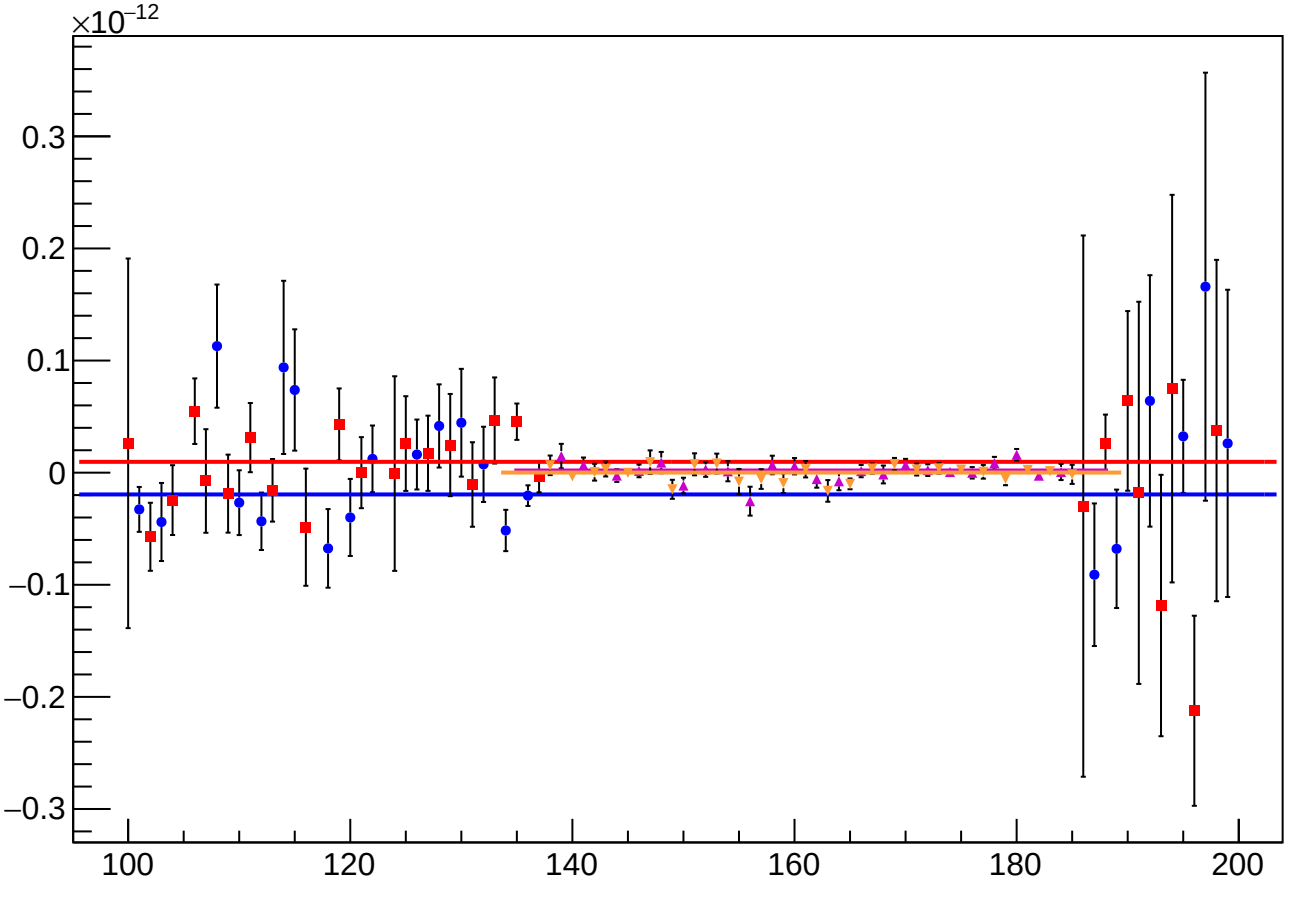
Left: 12.762+/-0.002 χ^2/NDF: 10676265.0/47

Right: 27.585+/-0.005 χ^2/NDF: 7508143.2/48

In: 15.139+/-0.002 χ^2/NDF:10530686.0/44

Out: 14.075+/-0.002 χ^2/NDF:16151415.9/51

All: 14.580+/-0.002 χ^2/NDF: 26784784.4/96



Right In: -0.000+/-0.000 χ^2/NDF: 30.4/21

Left Out: 0.000+/-0.000 χ^2/NDF:21.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 29.5/26

Left In: 0.000+/-0.000 χ^2/NDF:25.4/22

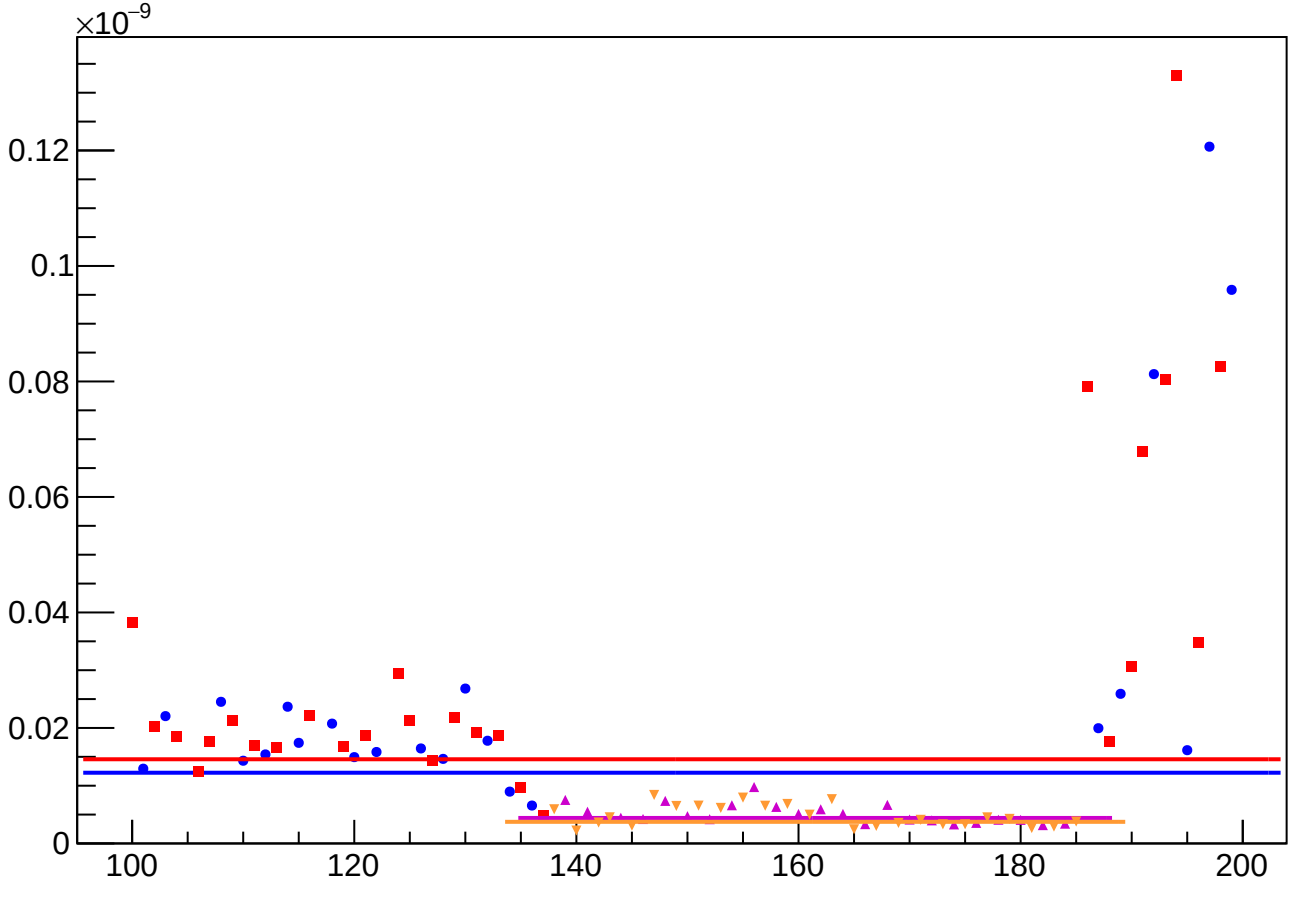
Left: 0.000+/-0.000 χ^2/NDF: 48.0/47

Right: -0.000+/-0.000 χ^2/NDF: 70.9/48

In: 0.000+/-0.000 χ^2/NDF:68.3/44

Out: 0.000+/-0.000 χ^2/NDF:53.1/51

All: 0.000+/-0.000 χ^2/NDF: 121.5/96



Right In: 0.000+/-0.000 χ^2/NDF: 3954151.0/21

Left Out: 0.000+/-0.000 χ^2/NDF:3083424.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4267483.0/26

Left In: 0.000+/-0.000 χ^2/NDF:1736522.0/22

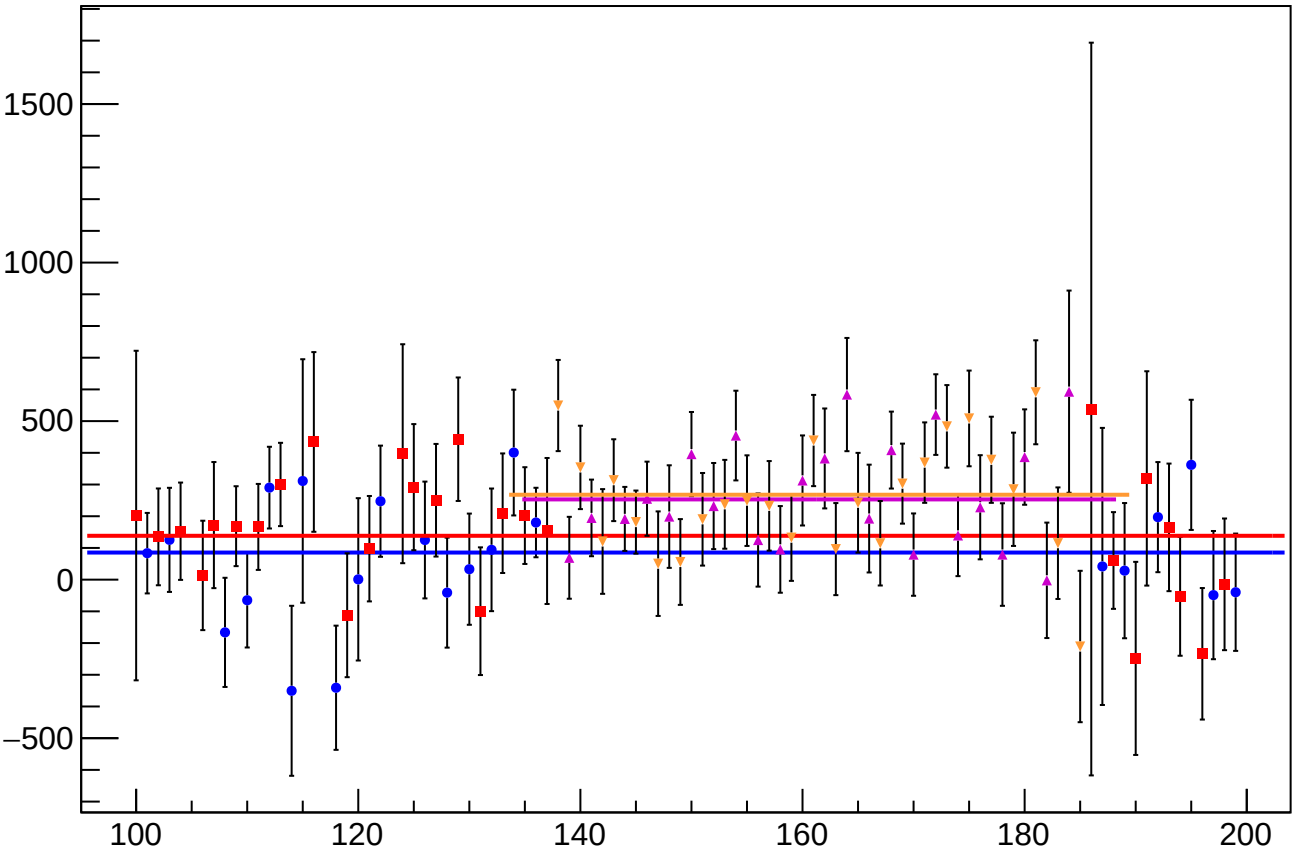
Left: 0.000+/-0.000 χ^2/NDF: 5111609.7/47

Right: 0.000+/-0.000 χ^2/NDF: 8362923.3/48

In: 0.000+/-0.000 χ^2/NDF:9037269.1/44

Out: 0.000+/-0.000 χ^2/NDF:12760955.6/51

All: 0.000+/-0.000 χ^2/NDF: 22134753.8/96



Right In: 85.469+/-37.766 χ^2/NDF: 21.6/21

Left Out: 267.782+/-28.407 χ^2/NDF:31.0/24

Right Out: 138.315+/-36.099 χ^2/NDF: 17.8/26

Left In: 253.048+/-29.313 χ^2/NDF:26.2/22

Left: 260.646+/-20.400 χ^2/NDF: 57.3/47

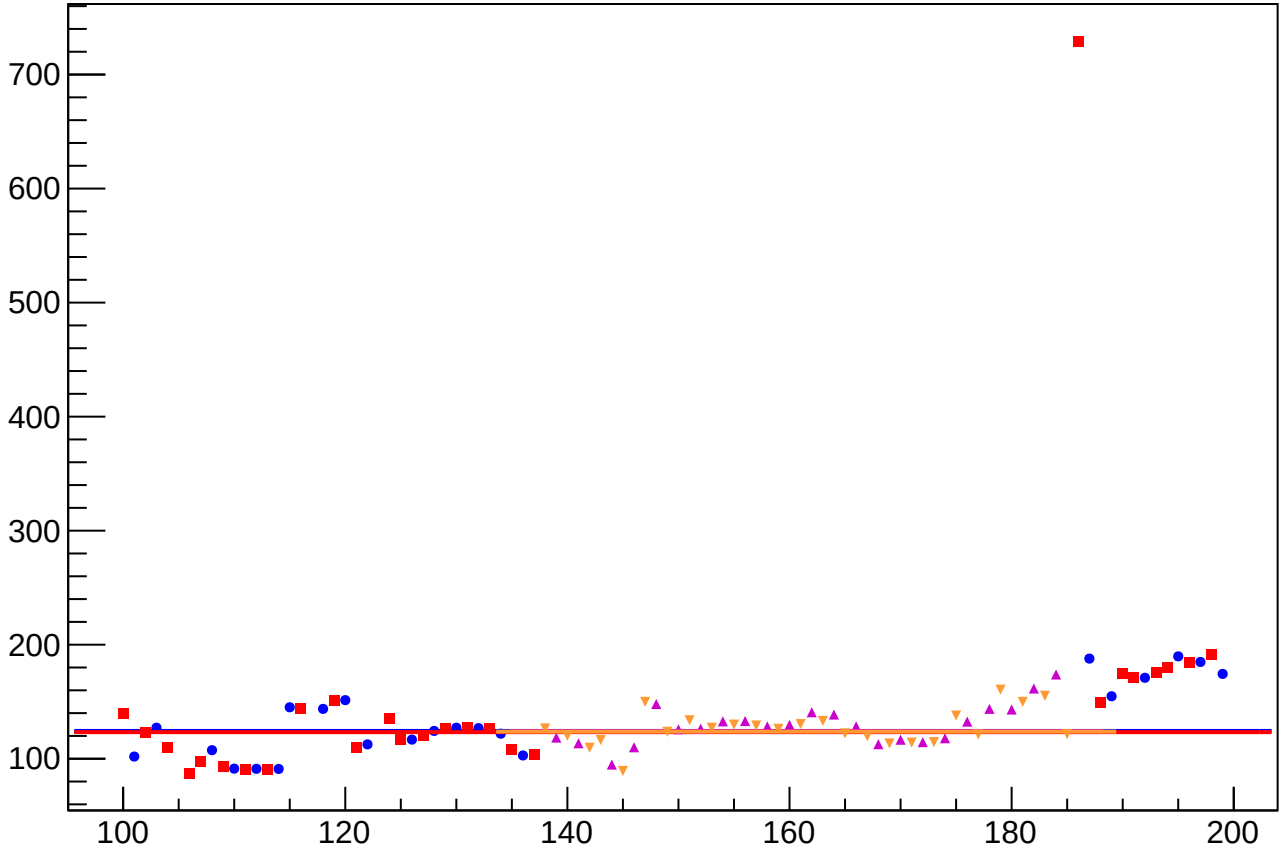
Right: 113.084+/-26.095 χ^2/NDF: 40.4/48

In: 190.046+/-23.156 χ^2/NDF:60.0/44

Out: 218.269+/-22.324 χ^2/NDF:56.8/51

All: 204.674+/-16.072 χ^2/NDF: 117.6/96

reg_asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 124.364+/-0.027 χ^2/NDF: 1237737.4/21

Left Out: 123.807+/-0.020 χ^2/NDF:598444.2/24

Right Out: 123.321+/-0.026 χ^2/NDF: 2015931.0/26

Left In: 124.259+/-0.021 χ^2/NDF:557214.9/22

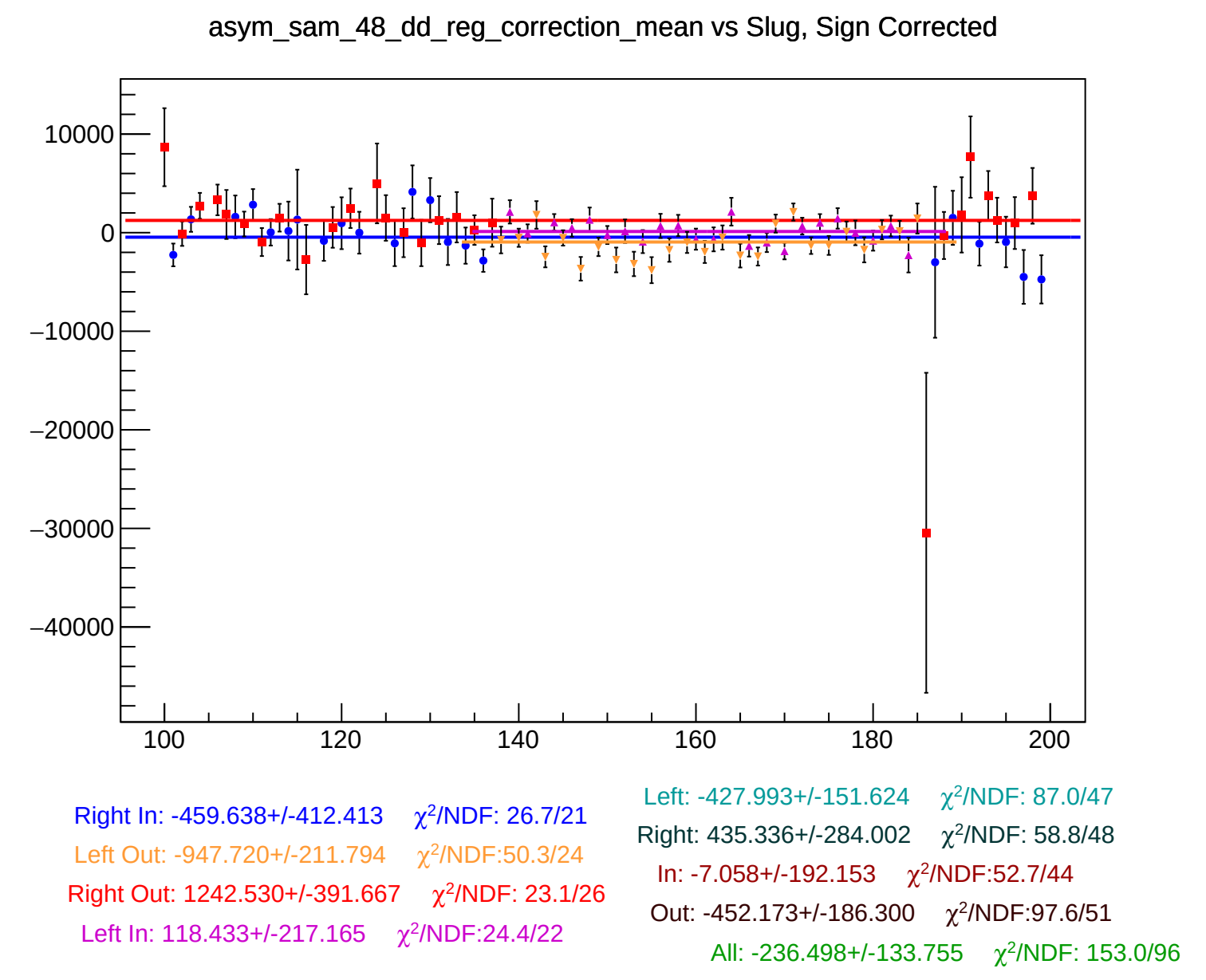
Left: 124.026+/-0.014 χ^2/NDF: 1155903.7/47

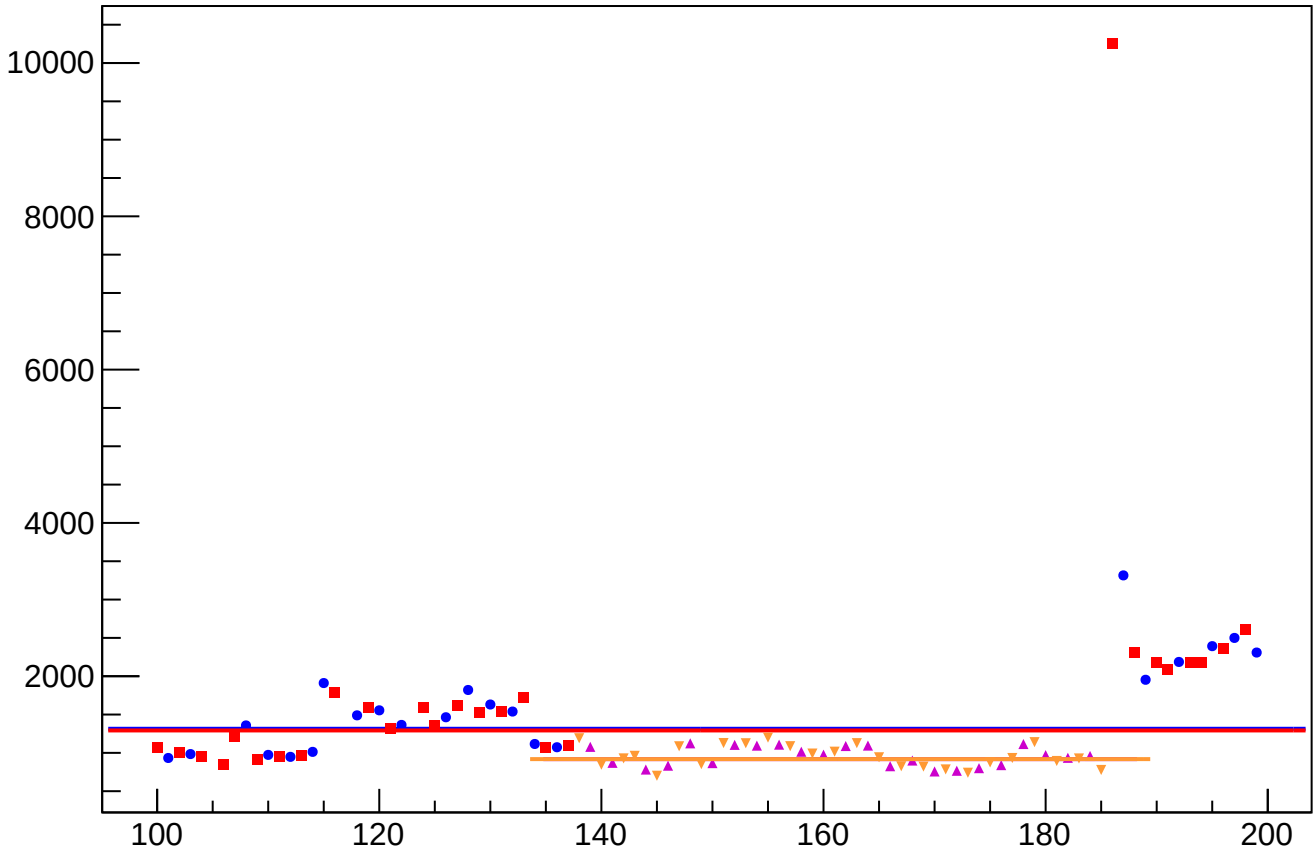
Right: 123.819+/-0.018 χ^2/NDF: 3254465.2/48

In: 124.298+/-0.016 χ^2/NDF:1794962.0/44

Out: 123.621+/-0.016 χ^2/NDF:2614599.1/51

All: 123.948+/-0.011 χ^2/NDF: 4410447.0/96


asym_sam_48_dd_reg_correction_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
Right In: -459.638+/-412.413 χ²/NDF: 26.7/21
Left Out: -947.720+/-211.794 χ²/NDF:50.3/24
Right Out: 1242.530+/-391.667 χ²/NDF: 23.1/26
Left In: 118.433+/-217.165 χ²/NDF:24.4/22
Left: -427.993+/-151.624 χ²/NDF: 87.0/47
Right: 435.336+/-284.002 χ²/NDF: 58.8/48
In: -7.058+/-192.153 χ²/NDF:52.7/44
Out: -452.173+/-186.300 χ²/NDF:97.6/51
All: -236.498+/-133.755 χ²/NDF: 153.0/96



Right In: 1314.273+/-0.292 χ^2/NDF: 2540828.0/21

Left Out: 918.501+/-0.150 χ^2/NDF:887820.0/24

Right Out: 1292.574+/-0.277 χ^2/NDF: 3587804.0/26

Left In: 918.214+/-0.154 χ^2/NDF:666262.3/22

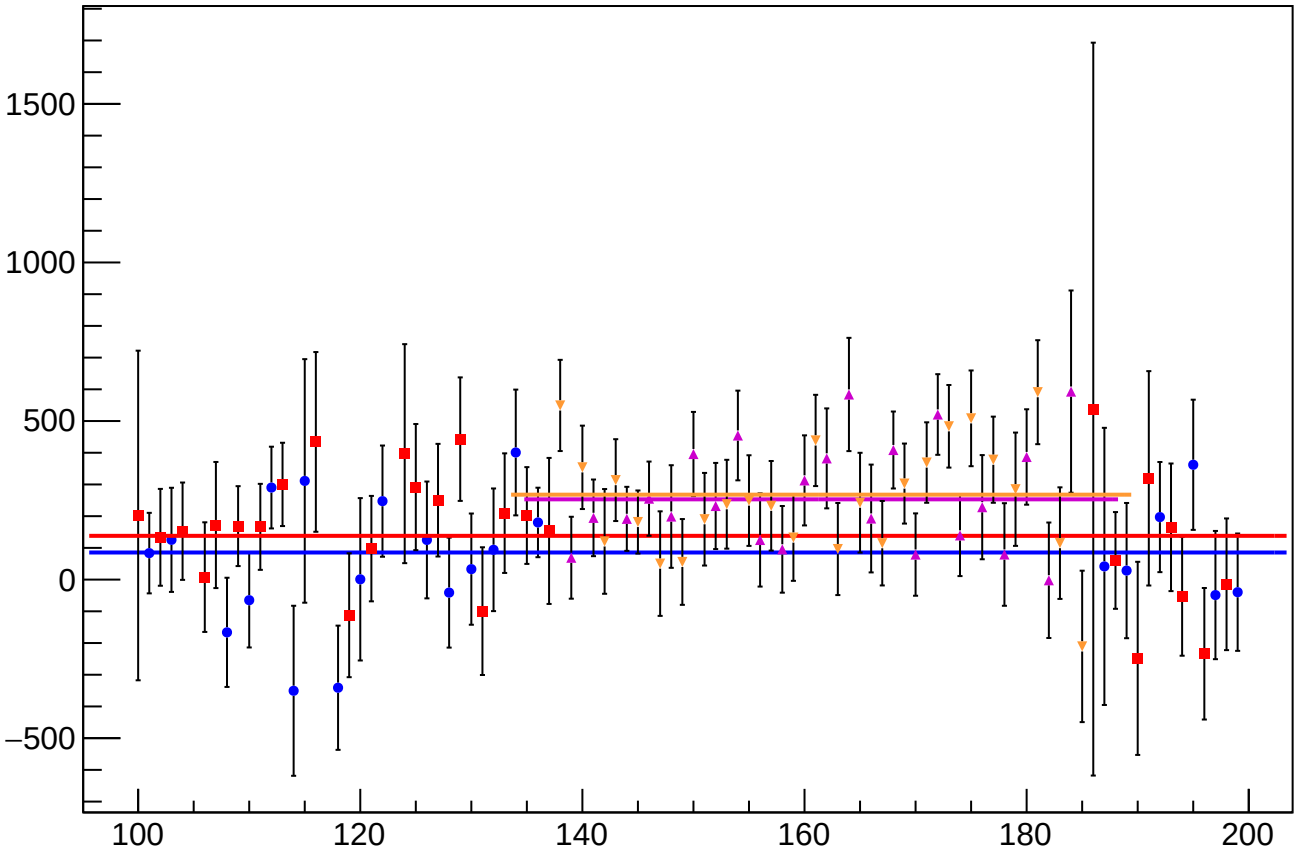
Left: 918.361+/-0.107 χ^2/NDF: 1554084.1/47

Right: 1302.864+/-0.201 χ^2/NDF: 6131543.1/48

In: 1004.193+/-0.136 χ^2/NDF:4651197.6/44

Out: 1003.136+/-0.132 χ^2/NDF:5887214.1/51

All: 1003.648+/-0.095 χ^2/NDF: 10538442.8/9



Right In: 85.460+/-37.766 χ^2/NDF: 21.6/21

Left Out: 267.791+/-28.407 χ^2/NDF:31.0/24

Right Out: 137.998+/-36.103 χ^2/NDF: 17.9/26

Left In: 253.051+/-29.313 χ^2/NDF:26.2/22

Left: 260.652+/-20.400 χ^2/NDF: 57.3/47

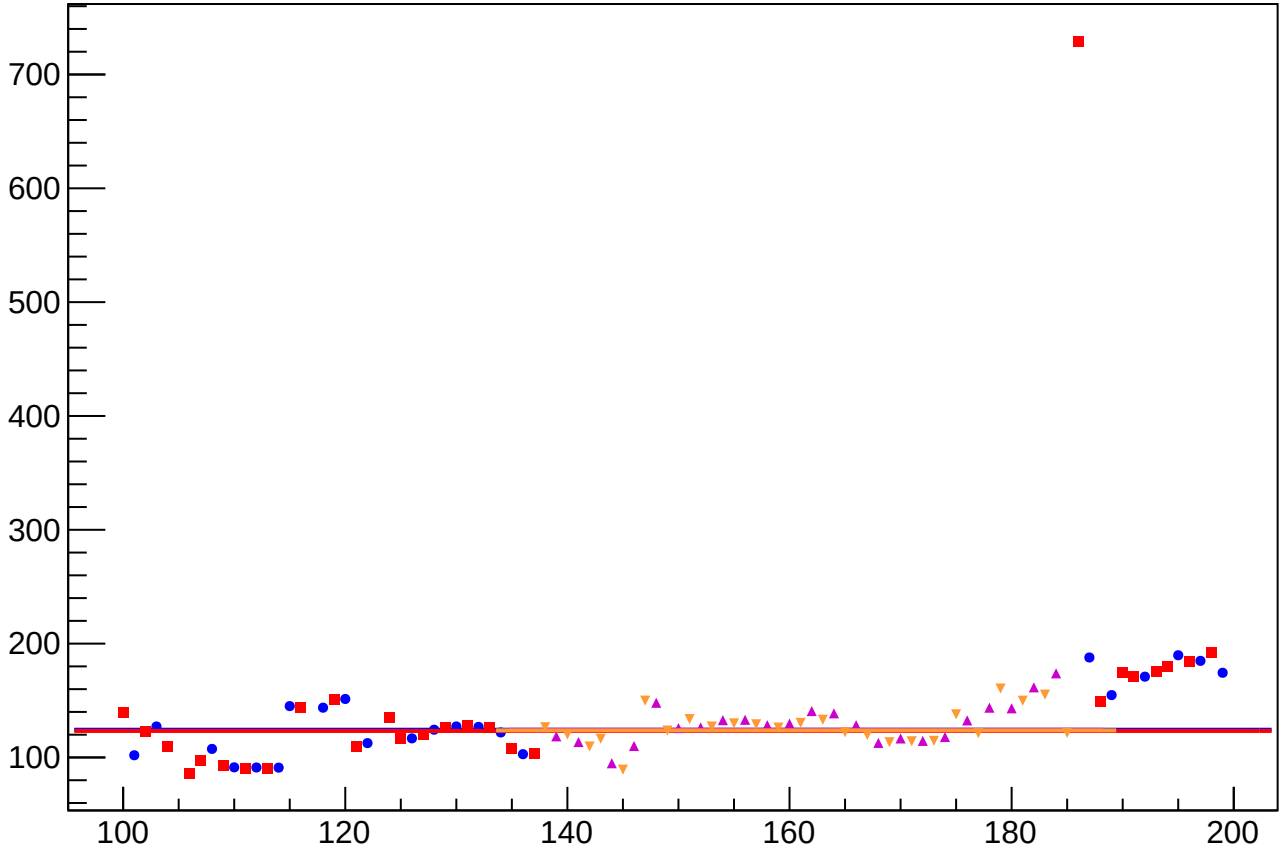
Right: 112.912+/-26.097 χ^2/NDF: 40.5/48

In: 190.045+/-23.156 χ^2/NDF:60.1/44

Out: 218.160+/-22.325 χ^2/NDF:56.8/51

All: 204.616+/-16.072 χ^2/NDF: 117.7/96

cor_asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 124.364+/-0.027 χ^2/NDF: 1237737.6/21

Left Out: 123.807+/-0.020 χ^2/NDF:598444.2/24

Right Out: 123.280+/-0.026 χ^2/NDF: 2021256.7/26

Left In: 124.259+/-0.021 χ^2/NDF:557214.9/22

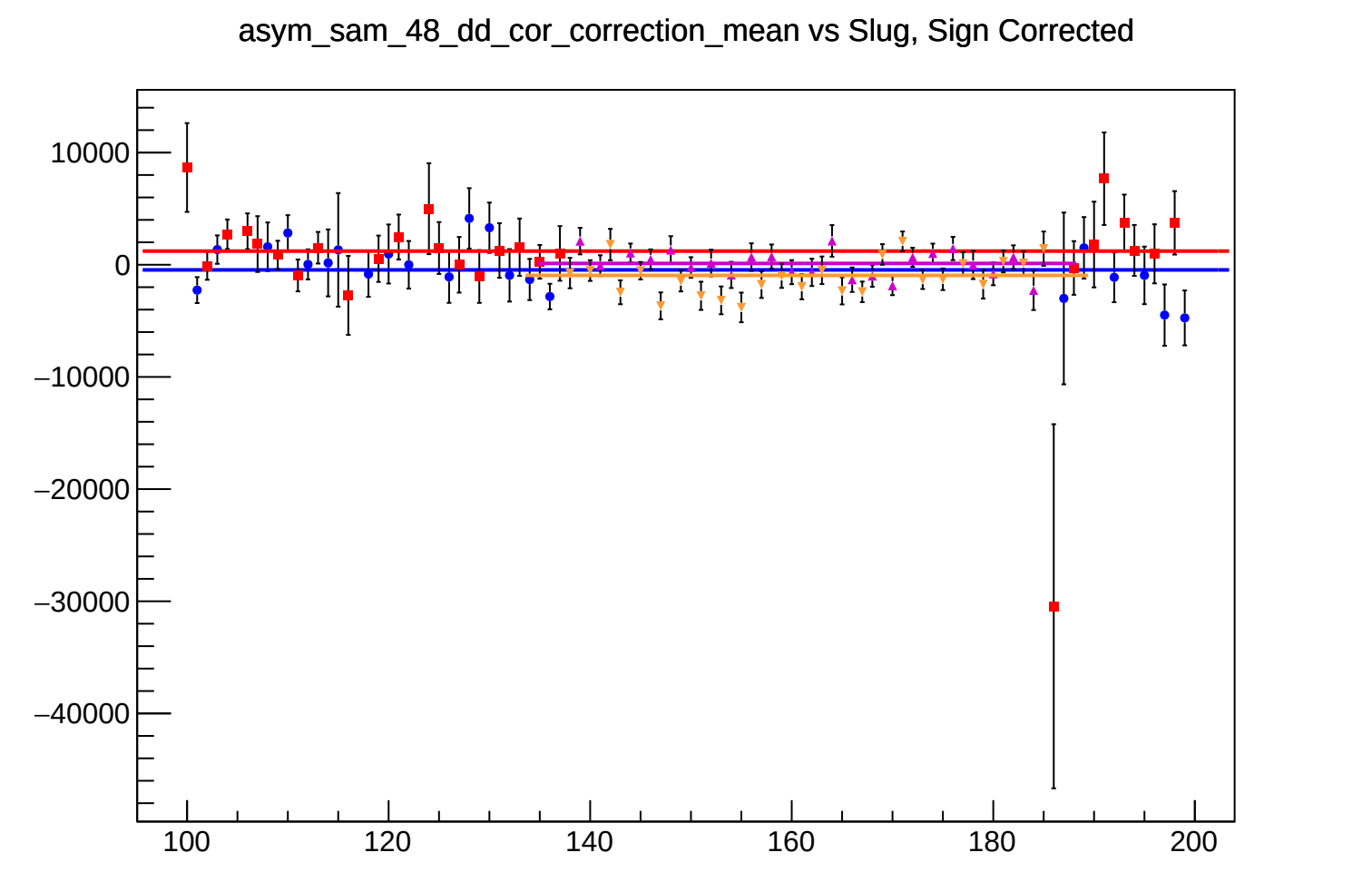
Left: 124.026+/-0.014 χ^2/NDF: 1155903.8/47

Right: 123.798+/-0.018 χ^2/NDF: 3259855.4/48

In: 124.298+/-0.016 χ^2/NDF:1794962.3/44

Out: 123.606+/-0.016 χ^2/NDF:2619964.4/51

All: 123.939+/-0.011 χ^2/NDF: 4415854.3/96



Right In: -459.719+/-412.416 χ^2/NDF: 26.7/21

Left Out: -947.709+/-211.794 χ^2/NDF:50.3/24

Right Out: 1216.559+/-392.250 χ^2/NDF: 22.5/26

Left In: 118.435+/-217.165 χ^2/NDF:24.4/22

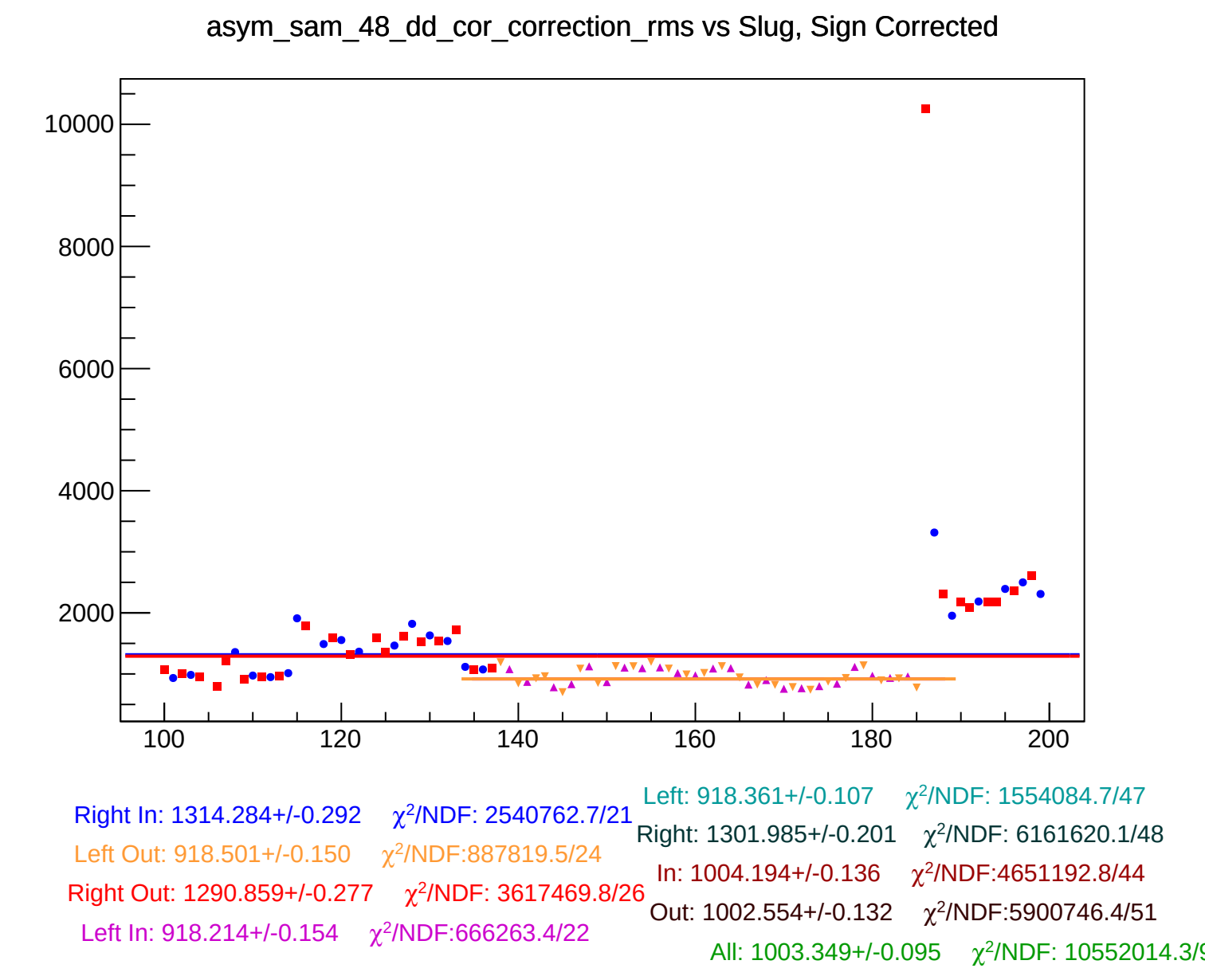
Left: -427.986+/-151.624 χ^2/NDF: 87.0/47

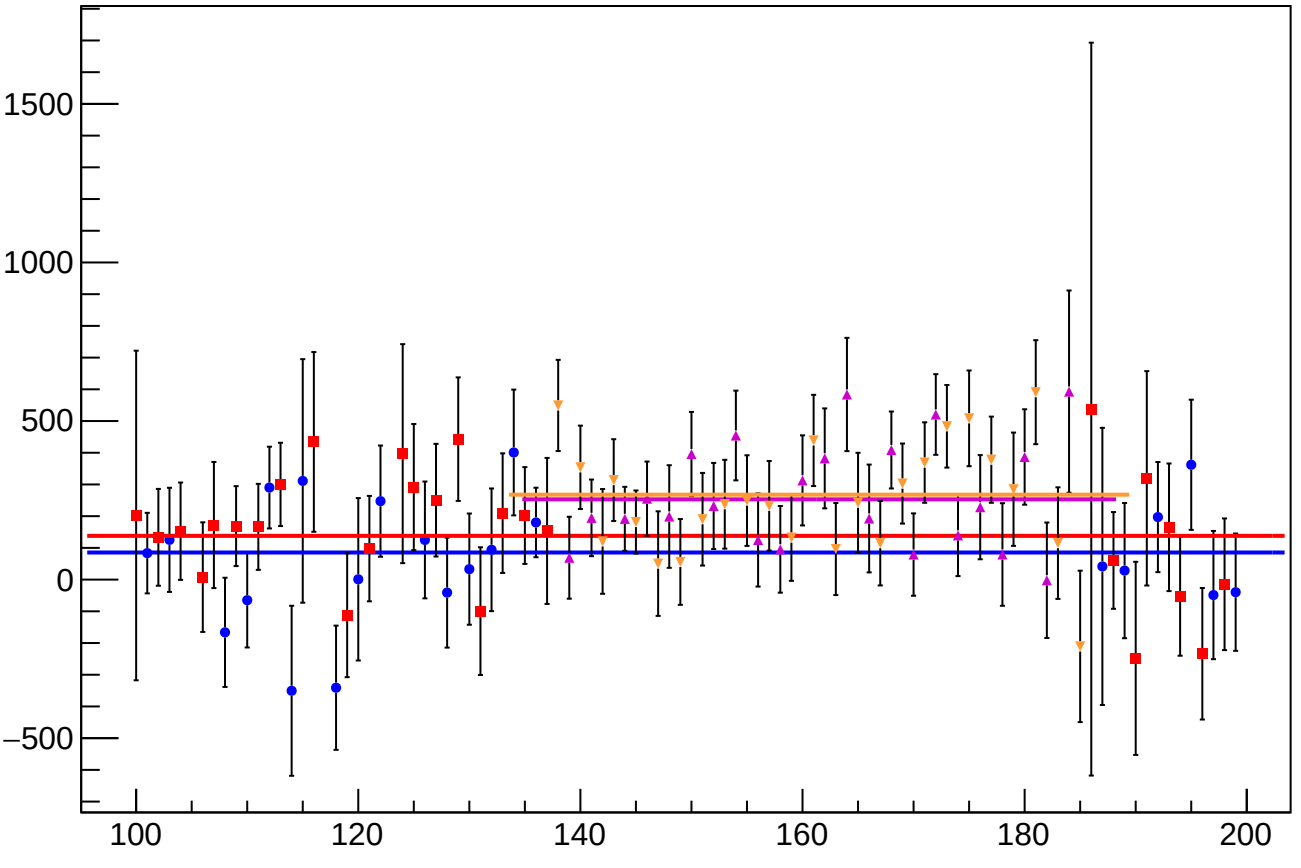
Right: 420.403+/-284.225 χ^2/NDF: 57.9/48

In: -7.072+/-192.154 χ^2/NDF:52.7/44

Out: -459.167+/-186.363 χ^2/NDF:96.4/51

All: -240.035+/-133.779 χ^2/NDF: 151.9/96


asym_sam_48_dd_cor_correction_rms vs Slug, Sign Corrected
10000
8000
6000
4000
2000
100
120
140
160
180
200
Right In: 1314.284+/-0.292 χ²/NDF: 2540762.7/21
Left Out: 918.501+/-0.150 χ²/NDF:887819.5/24
Right Out: 1290.859+/-0.277 χ²/NDF: 3617469.8/26
Left In: 918.214+/-0.154 χ²/NDF:666263.4/22
Left: 918.361+/-0.107 χ²/NDF: 1554084.7/47
Right: 1301.985+/-0.201 χ²/NDF: 6161620.1/48
In: 1004.194+/-0.136 χ²/NDF:4651192.8/44
Out: 1002.554+/-0.132 χ²/NDF:5900746.4/51
All: 1003.349+/-0.095 χ²/NDF: 10552014.3/9



Right In: 85.460+/-37.766 χ^2/NDF: 21.6/21

Left Out: 267.791+/-28.407 χ^2/NDF:31.0/24

Right Out: 137.998+/-36.103 χ^2/NDF: 17.9/26

Left In: 253.051+/-29.313 χ^2/NDF:26.2/22

Left: 260.652+/-20.400 χ^2/NDF: 57.3/47

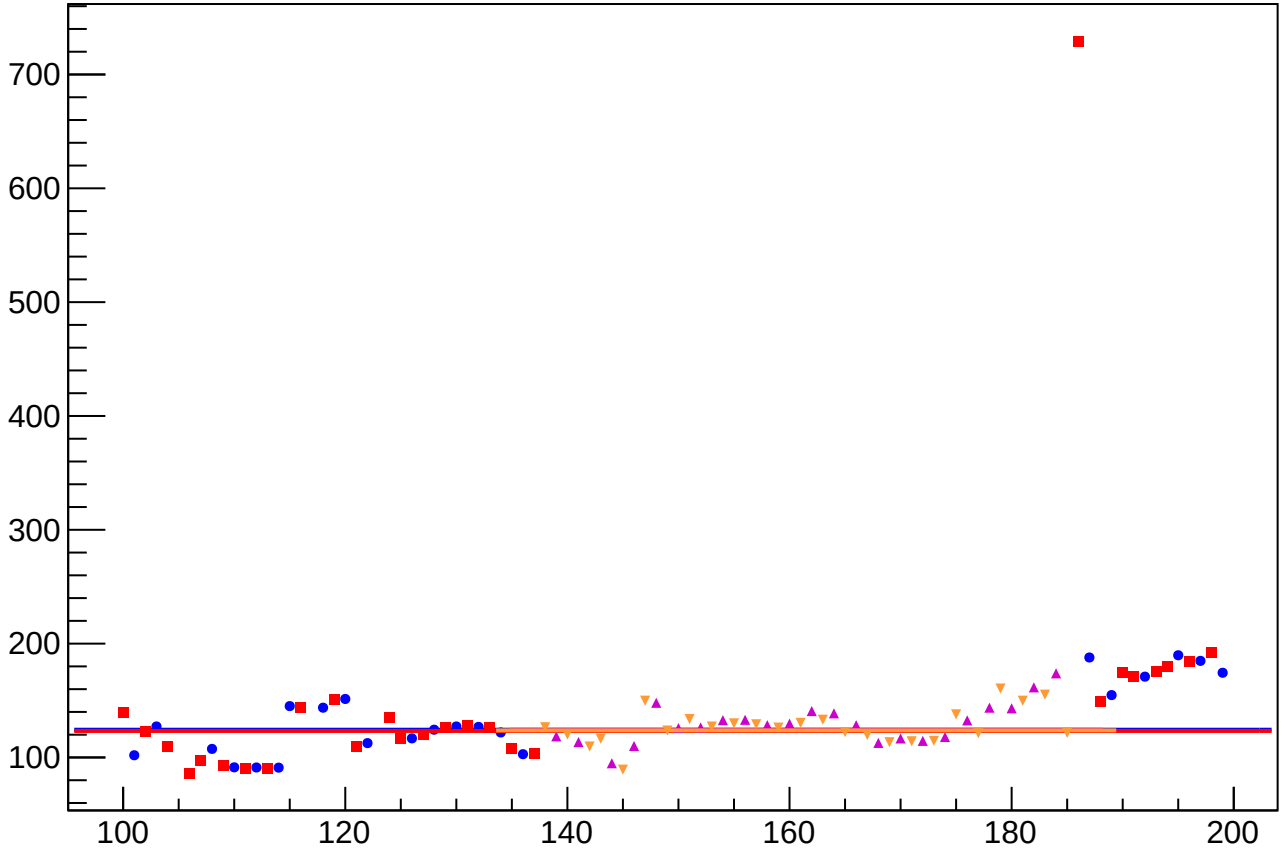
Right: 112.912+/-26.097 χ^2/NDF: 40.5/48

In: 190.045+/-23.156 χ^2/NDF:60.1/44

Out: 218.160+/-22.325 χ^2/NDF:56.8/51

All: 204.616+/-16.072 χ^2/NDF: 117.7/96

eigen_cor_asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 124.364+/-0.027 χ^2/NDF: 1237737.6/21

Left Out: 123.807+/-0.020 χ^2/NDF:598444.2/24

Right Out: 123.280+/-0.026 χ^2/NDF: 2021256.7/26

Left In: 124.259+/-0.021 χ^2/NDF:557214.9/22

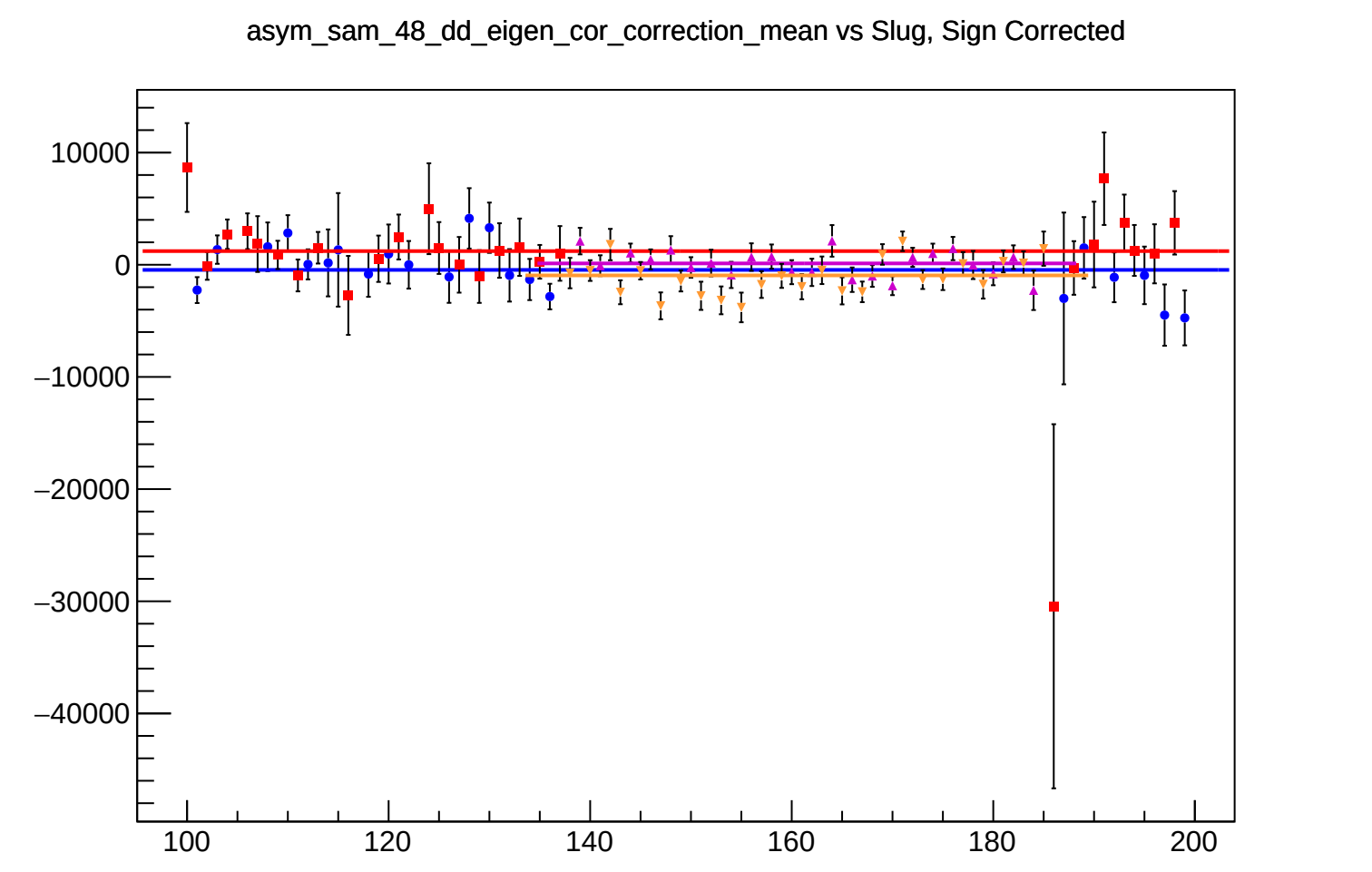
Left: 124.026+/-0.014 χ^2/NDF: 1155903.8/47

Right: 123.798+/-0.018 χ^2/NDF: 3259855.4/48

In: 124.298+/-0.016 χ^2/NDF:1794962.3/44

Out: 123.606+/-0.016 χ^2/NDF:2619964.4/51

All: 123.939+/-0.011 χ^2/NDF: 4415854.3/96



Right In: -459.719+/-412.416 χ^2/NDF: 26.7/21

Left Out: -947.709+/-211.794 χ^2/NDF:50.3/24

Right Out: 1216.559+/-392.250 χ^2/NDF: 22.5/26

Left In: 118.435+/-217.165 χ^2/NDF:24.4/22

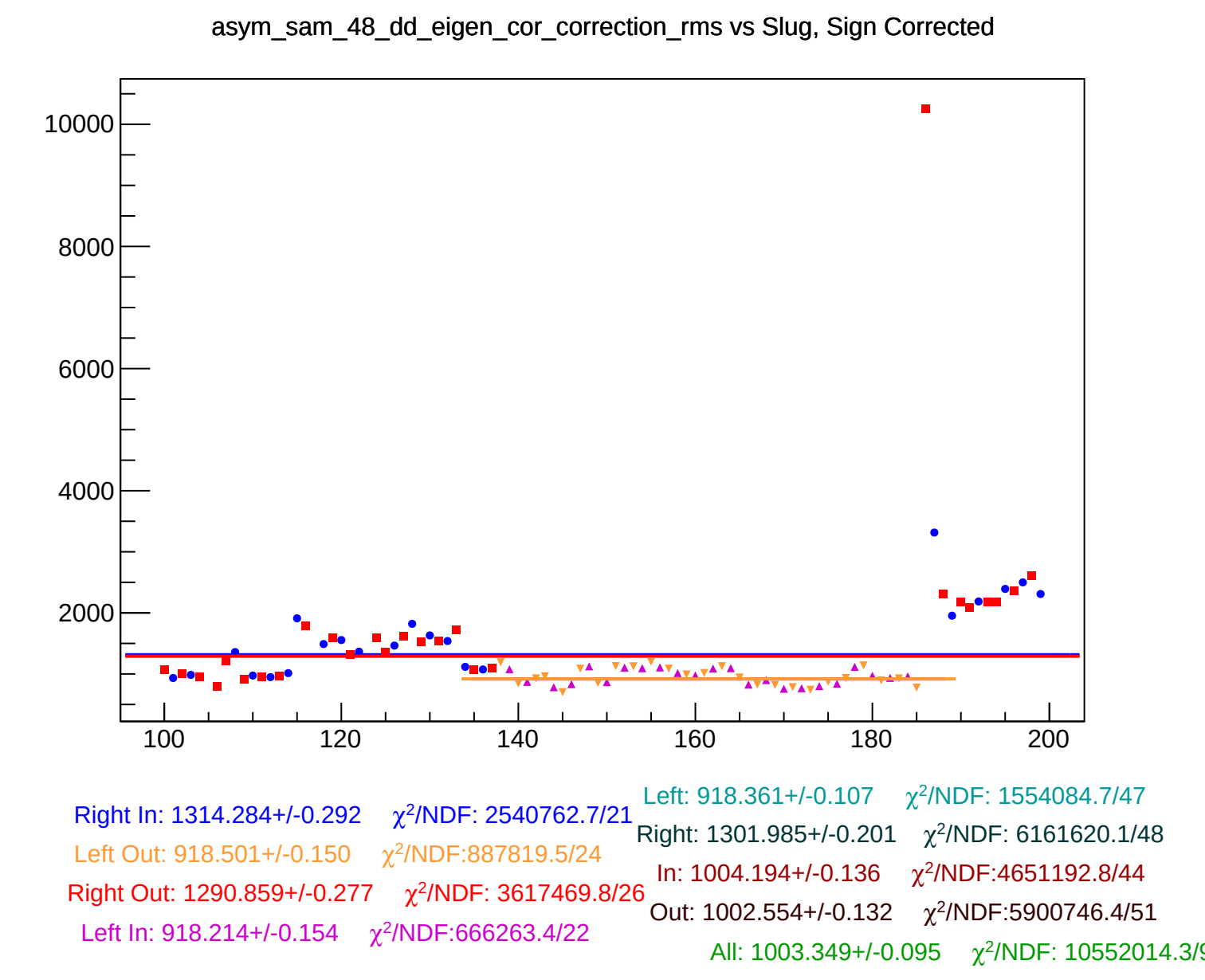
Left: -427.986+/-151.624 χ^2/NDF: 87.0/47

Right: 420.403+/-284.225 χ^2/NDF: 57.9/48

In: -7.072+/-192.154 χ^2/NDF:52.7/44

Out: -459.167+/-186.363 χ^2/NDF:96.4/51

All: -240.035+/-133.779 χ^2/NDF: 151.9/96


asym_sam_48_dd_eigen_cor_correction_rms vs Slug, Sign Corrected
10000
8000
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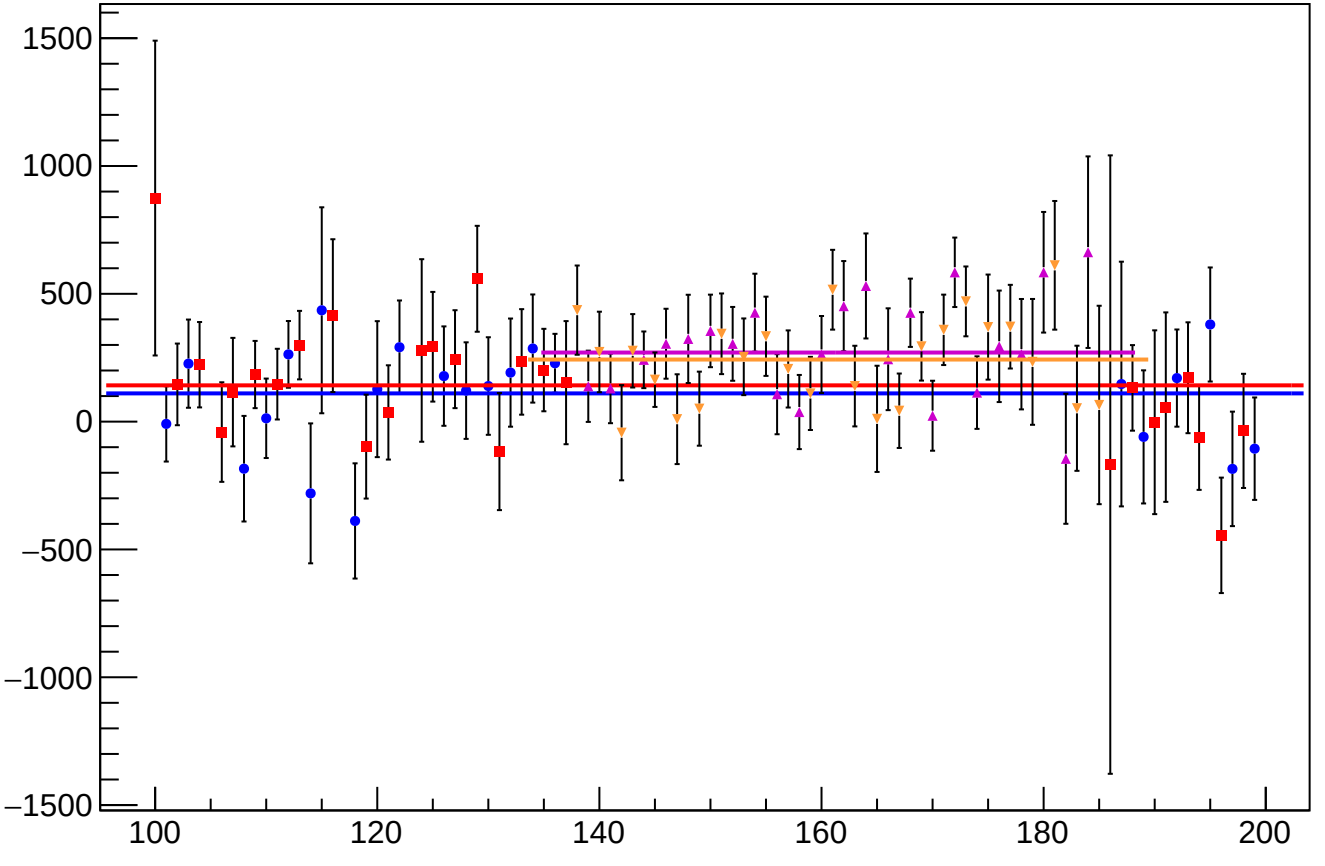
120
140
160
180
200
Right In: 1314.284+/-0.292 χ²/NDF: 2540762.7/21
Left Out: 918.501+/-0.150 χ²/NDF:887819.5/24
Right Out: 1290.859+/-0.277 χ²/NDF: 3617469.8/26
Left In: 918.214+/-0.154 χ²/NDF:666263.4/22
Left: 918.361+/-0.107 χ²/NDF: 1554084.7/47
Right: 1301.985+/-0.201 χ²/NDF: 6161620.1/48
In: 1004.194+/-0.136 χ²/NDF:4651192.8/44
Out: 1002.554+/-0.132 χ²/NDF:5900746.4/51
All: 1003.349+/-0.095 χ²/NDF: 10552014.3/9

dit_asym_sam_48_dd_mean vs Slug, Sign Corrected



Right In: 110.469+/-40.812 χ^2/NDF: 20.4/21

Left Out: 242.890+/-32.138 χ^2/NDF:23.7/24

Right Out: 141.934+/-38.585 χ^2/NDF: 21.9/26

Left In: 270.243+/-32.893 χ^2/NDF:26.7/22

Left: 256.249+/-22.987 χ^2/NDF: 50.7/47

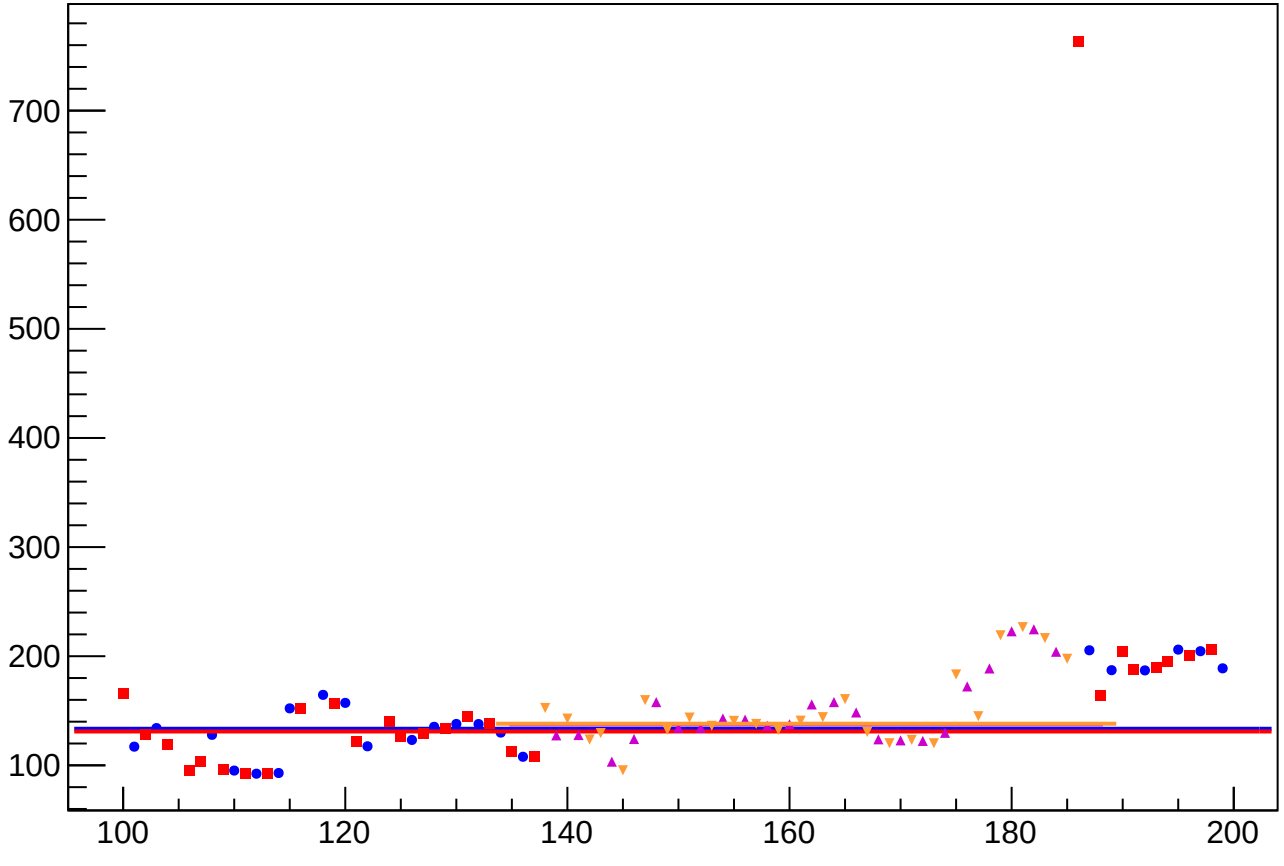
Right: 127.083+/-28.038 χ^2/NDF: 42.6/48

In: 207.326+/-25.611 χ^2/NDF:56.4/44

Out: 201.539+/-24.694 χ^2/NDF:49.6/51

All: 204.327+/-17.777 χ^2/NDF: 106.0/96

dit_asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 133.497+/-0.029 χ^2/NDF: 1426567.8/21

Left Out: 138.127+/-0.023 χ^2/NDF:1338308.5/24

Right Out: 131.019+/-0.027 χ^2/NDF: 2194505.4/26

Left In: 137.491+/-0.023 χ^2/NDF:1109333.5/22

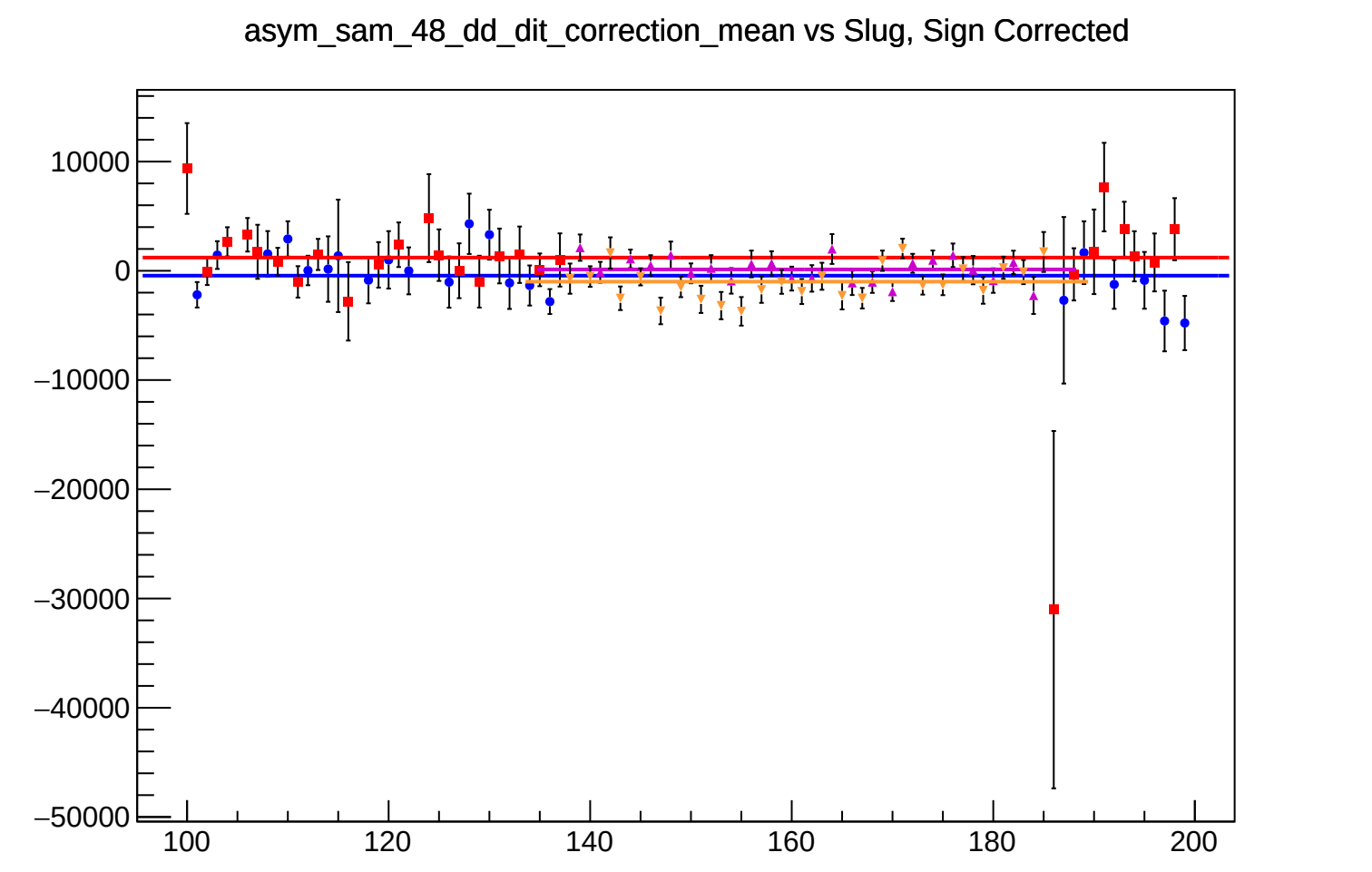
Left: 137.817+/-0.016 χ^2/NDF: 2448024.6/47

Right: 132.189+/-0.020 χ^2/NDF: 3624965.8/48

In: 135.918+/-0.018 χ^2/NDF:2547514.1/44

Out: 135.216+/-0.017 χ^2/NDF:3572885.2/51

All: 135.554+/-0.013 χ^2/NDF: 6121179.2/96



Right In: -445.045+/-416.094 χ^2/NDF: 26.8/21

Left Out: -993.237+/-215.652 χ^2/NDF:46.9/24

Right Out: 1211.860+/-394.287 χ^2/NDF: 23.5/26

Left In: 124.857+/-221.367 χ^2/NDF:23.9/22

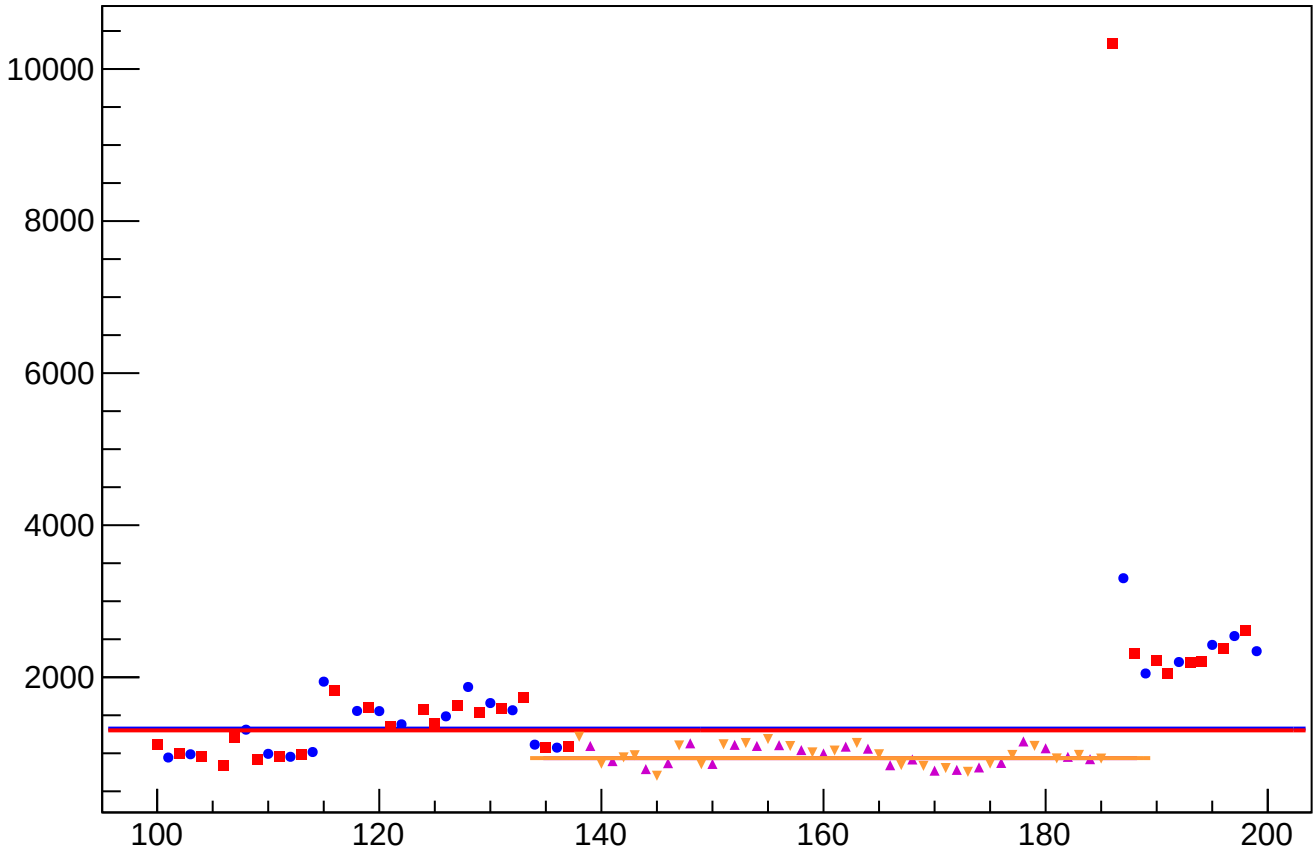
Left: -448.808+/-154.470 χ^2/NDF: 83.9/47

Right: 427.963+/-286.202 χ^2/NDF: 58.6/48

In: -0.863+/-195.431 χ^2/NDF:52.1/44

Out: -485.484+/-189.202 χ^2/NDF:94.5/51

All: -251.020+/-135.935 χ^2/NDF: 149.7/96



Right In: 1324.795+/-0.294 χ^2/NDF: 2603573.0/21

Left Out: 936.743+/-0.152 χ^2/NDF:832449.3/24

Right Out: 1301.492+/-0.279 χ^2/NDF: 3613138.5/26

Left In: 936.380+/-0.157 χ^2/NDF:642749.3/22

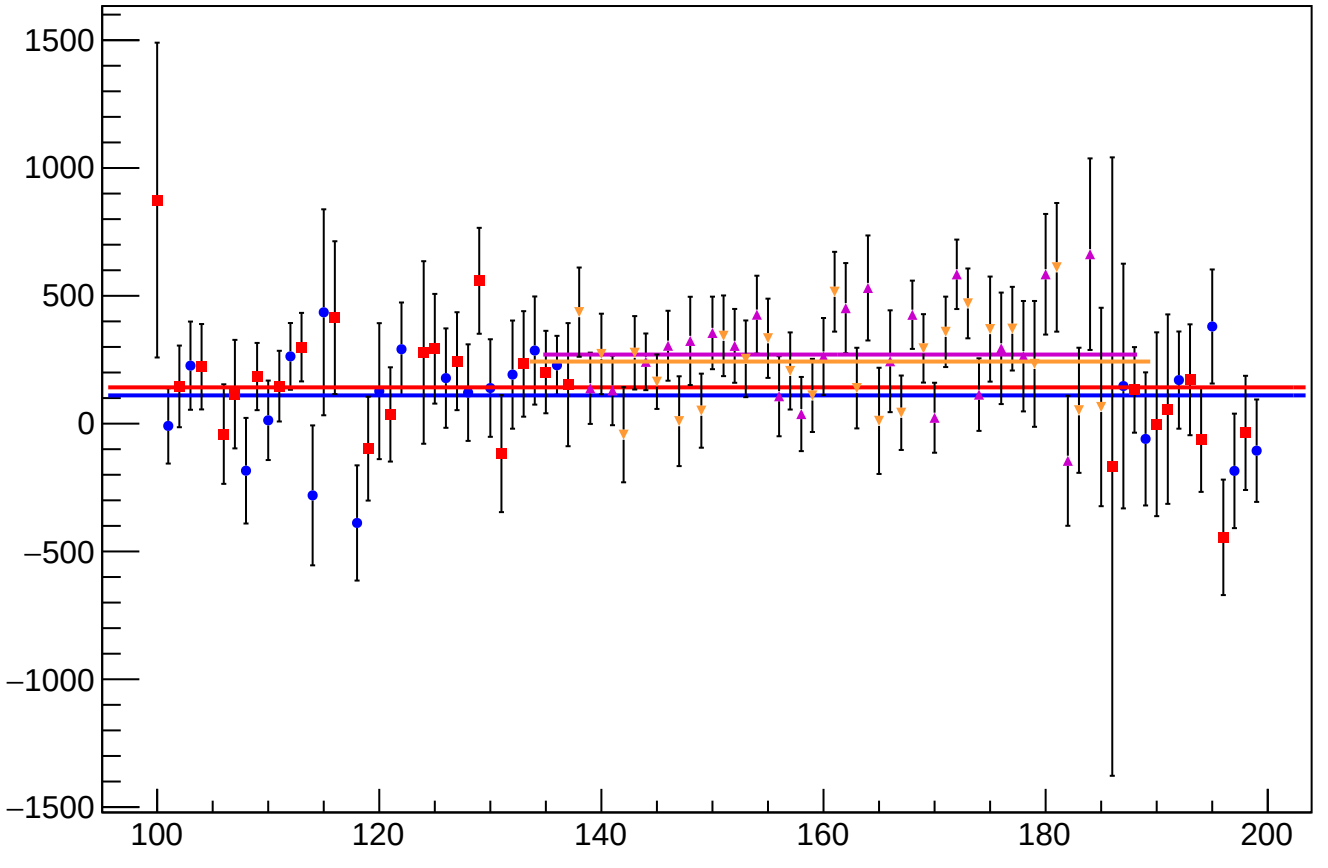
Left: 936.567+/-0.109 χ^2/NDF: 1475201.4/47

Right: 1312.517+/-0.202 χ^2/NDF: 6220016.6/48

In: 1022.064+/-0.138 χ^2/NDF:4604628.6/44

Out: 1020.732+/-0.134 χ^2/NDF:5763036.8/51

All: 1021.376+/-0.096 χ^2/NDF: 10367713.4/9



Right In: 110.471+/-40.812 χ^2/NDF: 20.4/21

Left Out: 242.892+/-32.138 χ^2/NDF:23.7/24

Right Out: 141.934+/-38.585 χ^2/NDF: 21.9/26

Left In: 270.244+/-32.893 χ^2/NDF:26.7/22

Left: 256.251+/-22.987 χ^2/NDF: 50.7/47

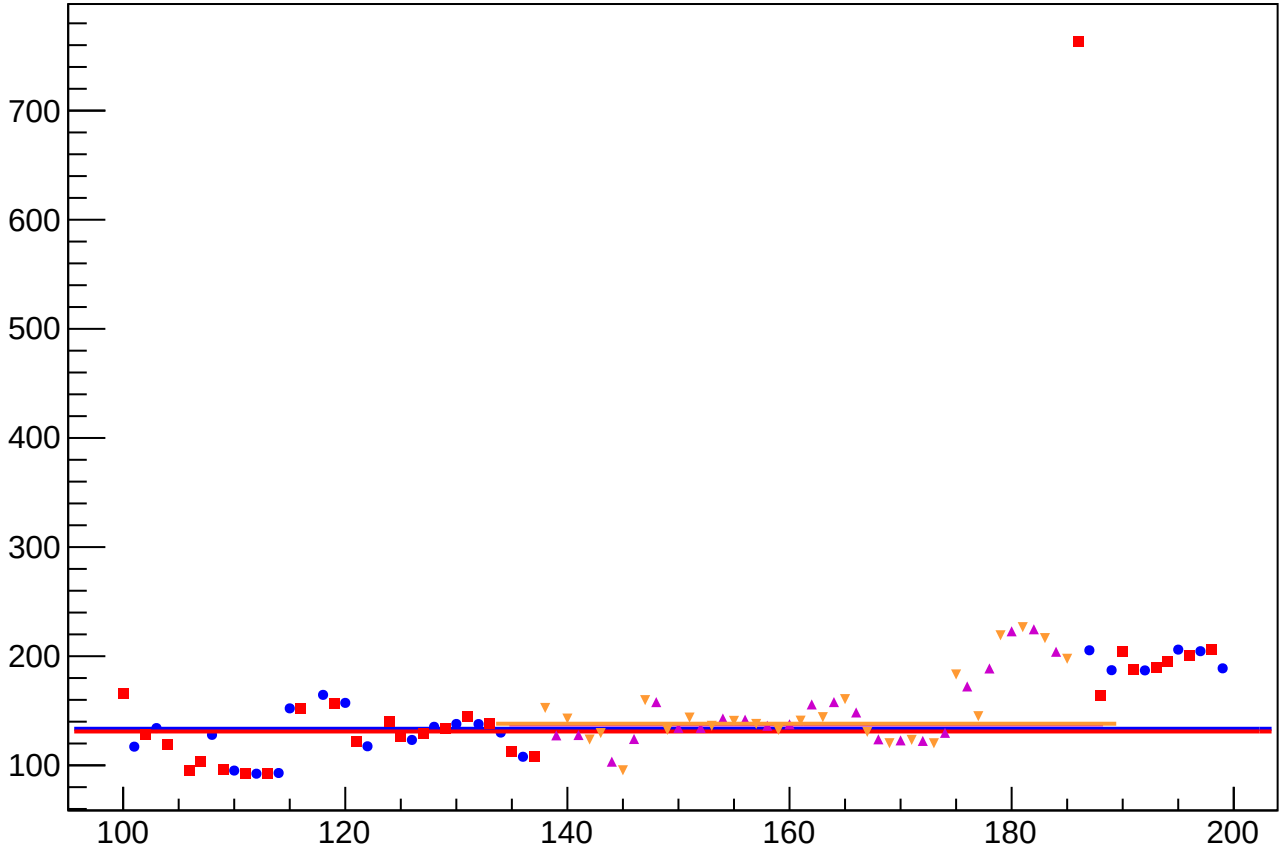
Right: 127.084+/-28.038 χ^2/NDF: 42.6/48

In: 207.328+/-25.611 χ^2/NDF:56.4/44

Out: 201.540+/-24.694 χ^2/NDF:49.6/51

All: 204.328+/-17.777 χ^2/NDF: 106.0/96

eigen_dit_asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 133.497+/-0.029 χ^2/NDF: 1426560.3/21

Left Out: 138.127+/-0.023 χ^2/NDF:1338311.7/24

Right Out: 131.019+/-0.027 χ^2/NDF: 2194508.0/26

Left In: 137.491+/-0.023 χ^2/NDF:1109319.8/22

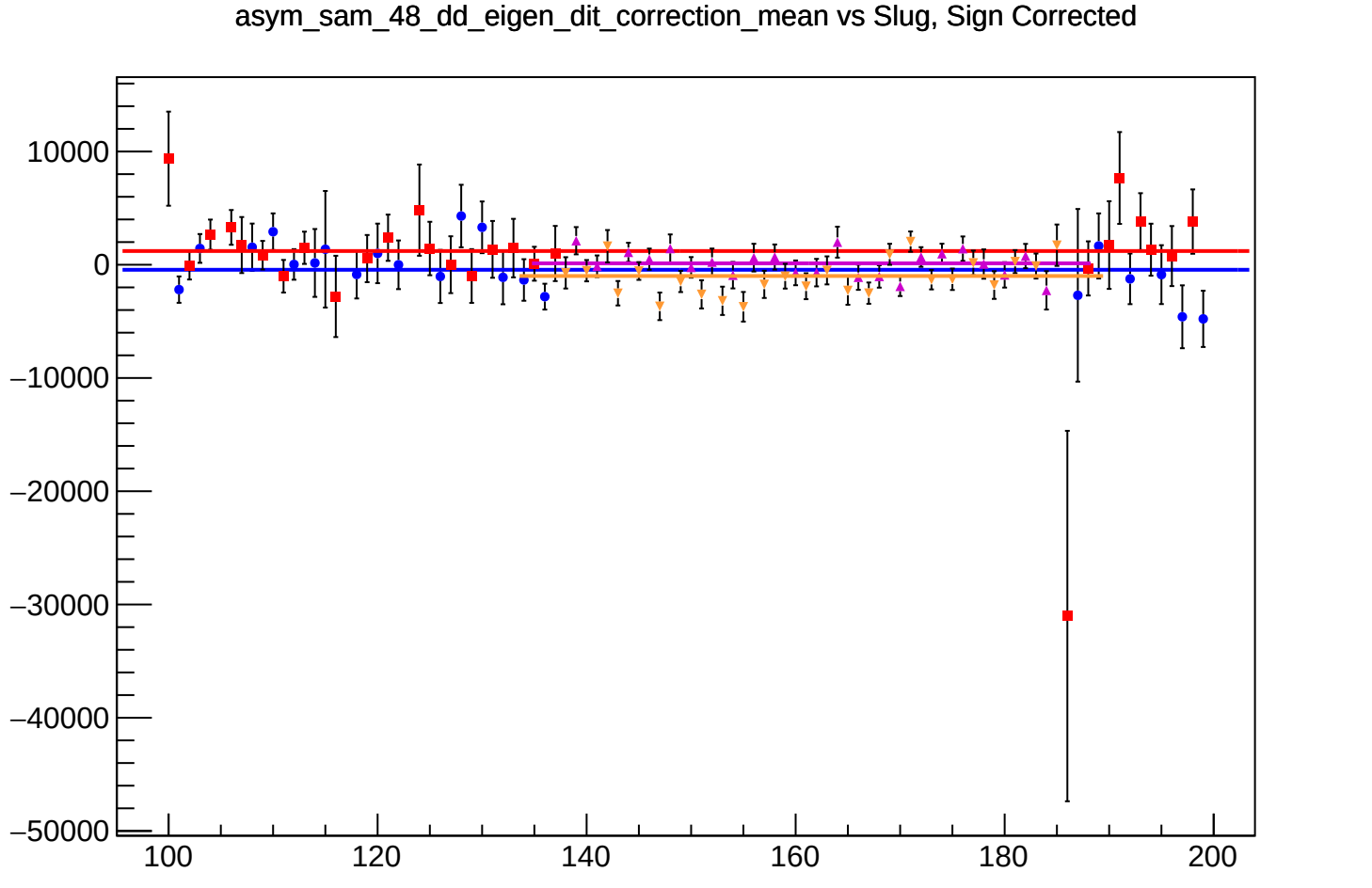
Left: 137.817+/-0.016 χ^2/NDF: 2448014.1/47

Right: 132.189+/-0.020 χ^2/NDF: 3624960.9/48

In: 135.918+/-0.018 χ^2/NDF:2547493.0/44

Out: 135.216+/-0.017 χ^2/NDF:3572891.4/51

All: 135.554+/-0.013 χ^2/NDF: 6121164.2/96



Right In: -445.045+/-416.094 χ^2/NDF: 26.8/21

Left Out: -993.235+/-215.652 χ^2/NDF:46.9/24

Right Out: 1211.859+/-394.287 χ^2/NDF: 23.5/26

Left In: 124.856+/-221.366 χ^2/NDF:23.9/22

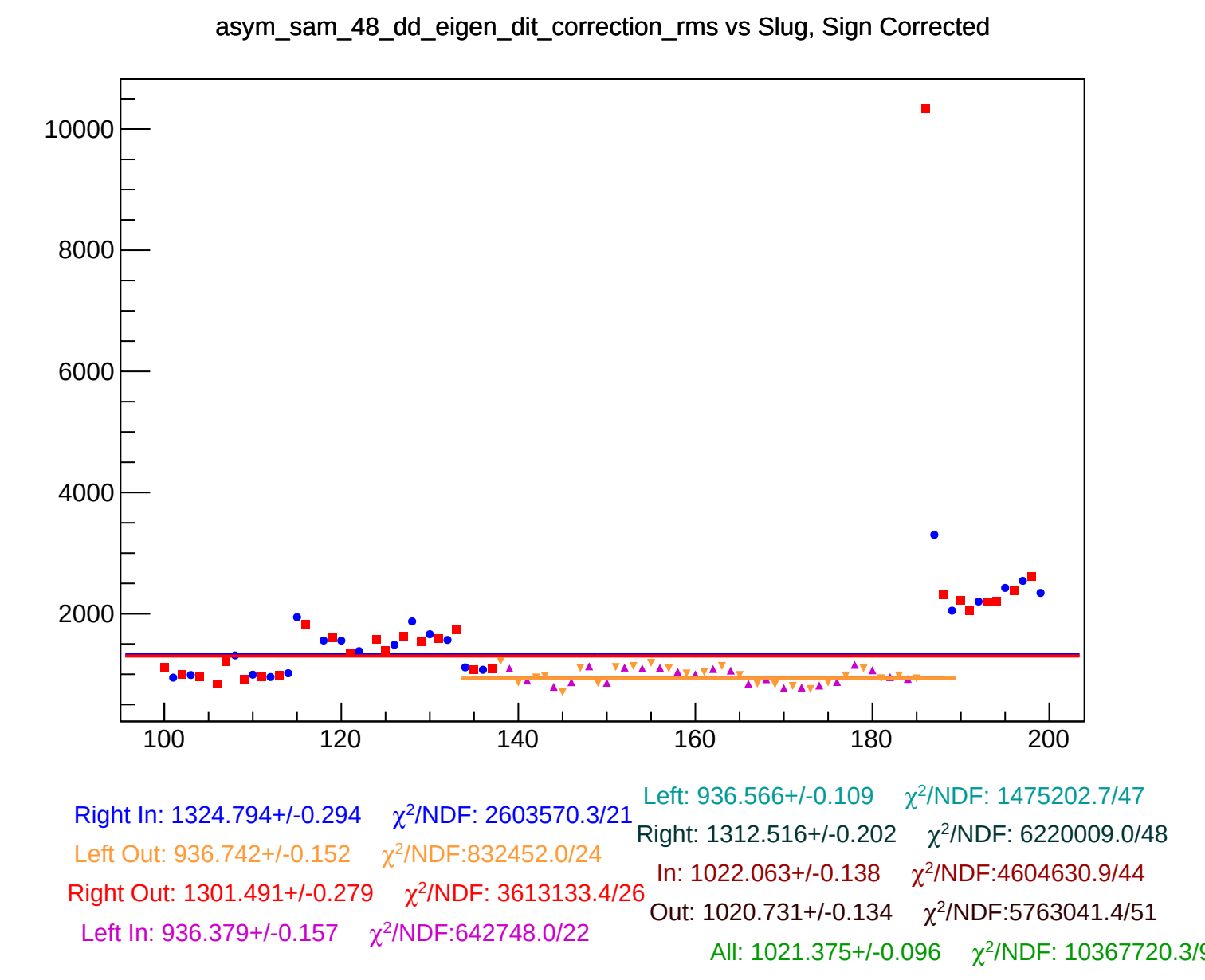
Left: -448.807+/-154.470 χ^2/NDF: 83.9/47

Right: 427.963+/-286.202 χ^2/NDF: 58.6/48

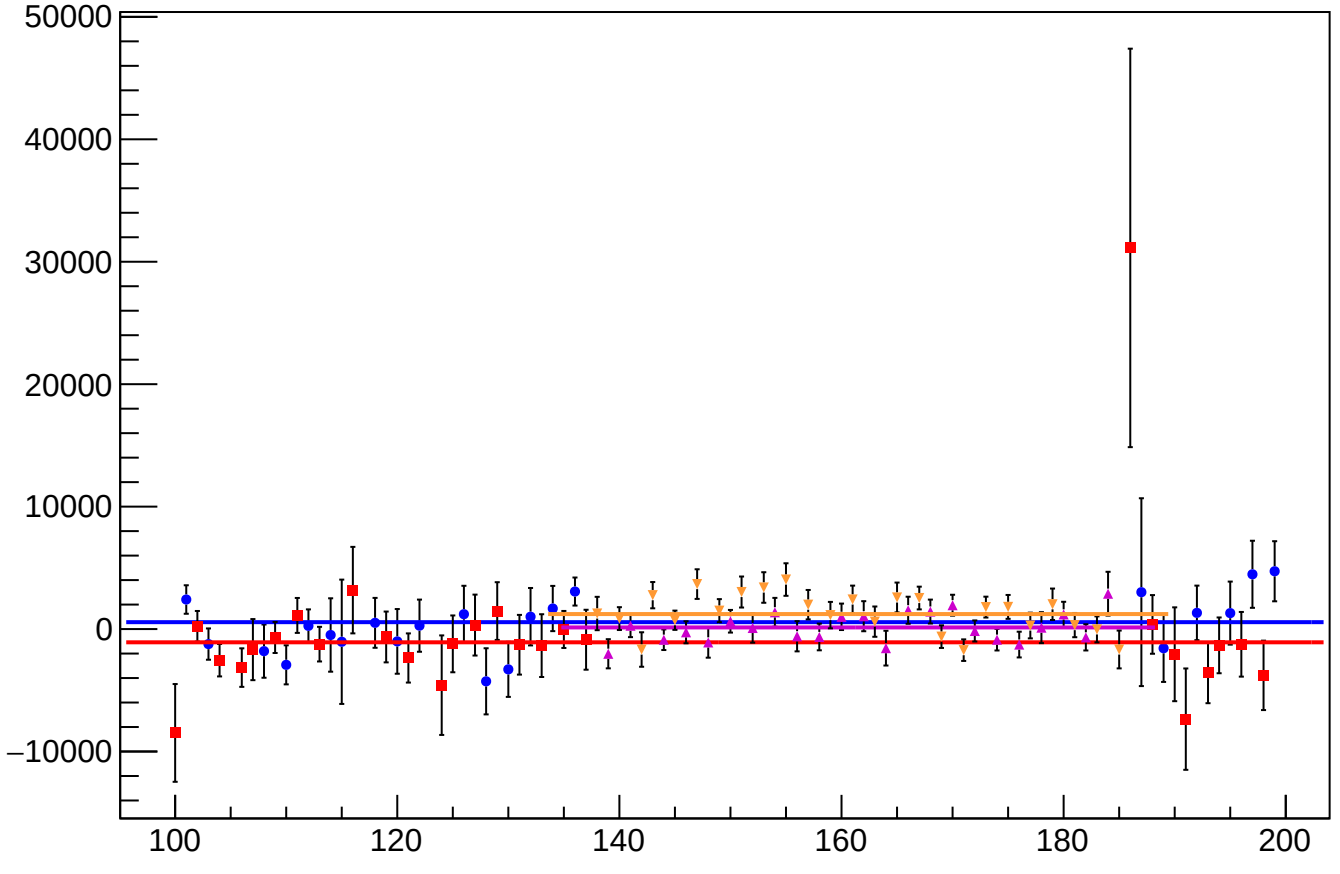
In: -0.863+/-195.431 χ^2/NDF:52.1/44

Out: -485.483+/-189.201 χ^2/NDF:94.5/51

All: -251.019+/-135.934 χ^2/NDF: 149.7/96


asym_sam_48_dd_eigen_dit_correction_rms vs Slug, Sign Corrected
10000
8000
6000
4000
2000
100
120
140
160
180
200
Right In: 1324.794+/-0.294 χ²/NDF: 2603570.3/21
Left Out: 936.742+/-0.152 χ²/NDF:832452.0/24
Right Out: 1301.491+/-0.279 χ²/NDF: 3613133.4/26
Left In: 936.379+/-0.157 χ²/NDF:642748.0/22
Left: 936.566+/-0.109 χ²/NDF: 1475202.7/47
Right: 1312.516+/-0.202 χ²/NDF: 6220009.0/48
In: 1022.063+/-0.138 χ²/NDF:4604630.9/44
Out: 1020.731+/-0.134 χ²/NDF:5763041.4/51
All: 1021.375+/-0.096 χ²/NDF: 10367720.3/9

asym_sam_48_dd_mean vs Slug, Sign Corrected



Right In: 563.794+/-414.494 χ^2/NDF: 28.3/21

Left Out: 1225.521+/-213.843 χ^2/NDF:48.5/24

Right Out: -1081.631+/-393.718 χ^2/NDF: 23.2/26

Left In: 132.834+/-219.278 χ^2/NDF:25.8/22

Left: 692.887+/-153.095 χ^2/NDF: 87.1/47

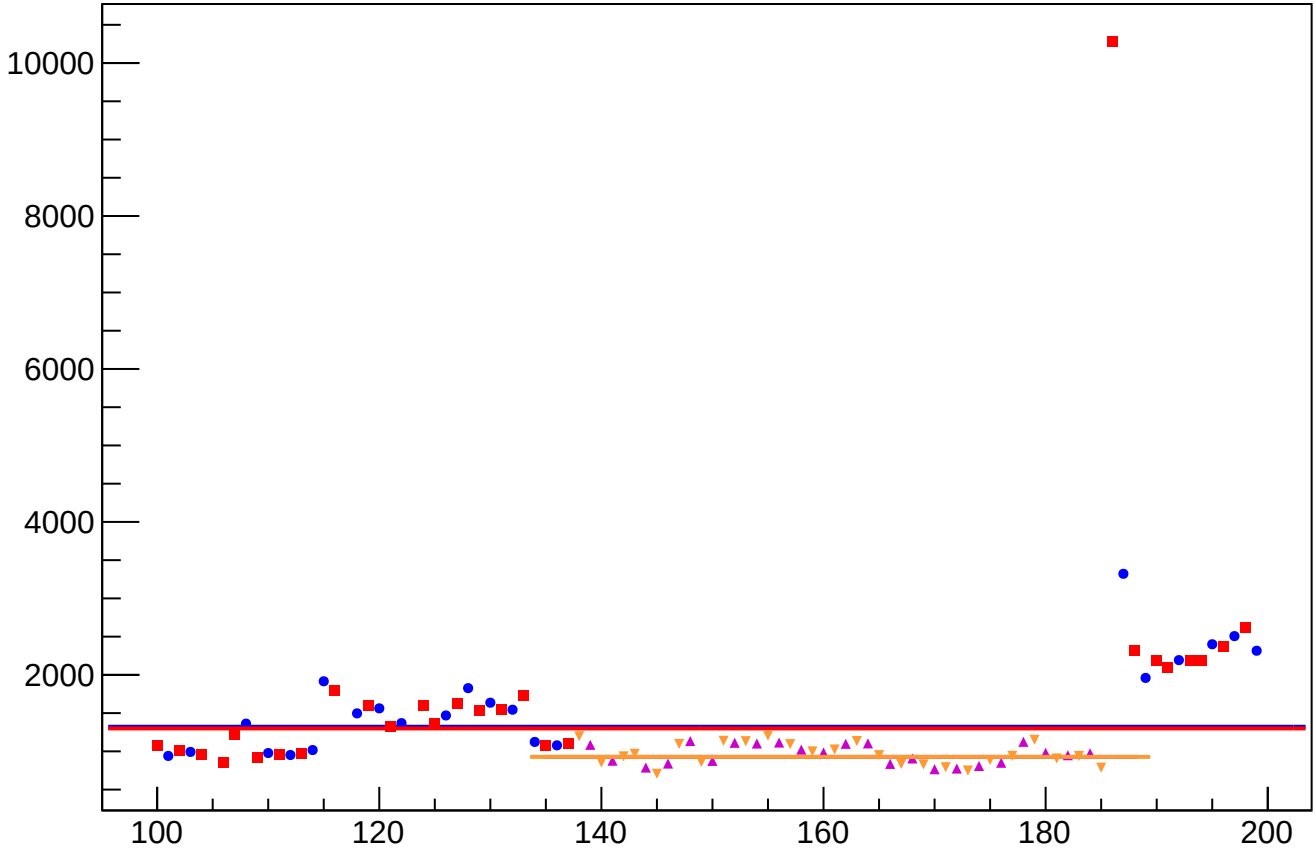
Right: -301.188+/-285.463 χ^2/NDF: 59.8/48

In: 227.071+/-193.826 χ^2/NDF:55.0/44

Out: 699.956+/-187.915 χ^2/NDF:98.2/51

All: 470.835+/-134.917 χ^2/NDF: 156.3/96

asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 1321.458+/-0.293 χ^2/NDF: 2523922.8/21

Left Out: 927.610+/-0.151 χ^2/NDF:875127.3/24

Right Out: 1299.708+/-0.278 χ^2/NDF: 3569246.7/26

Left In: 927.321+/-0.155 χ^2/NDF:656539.8/22

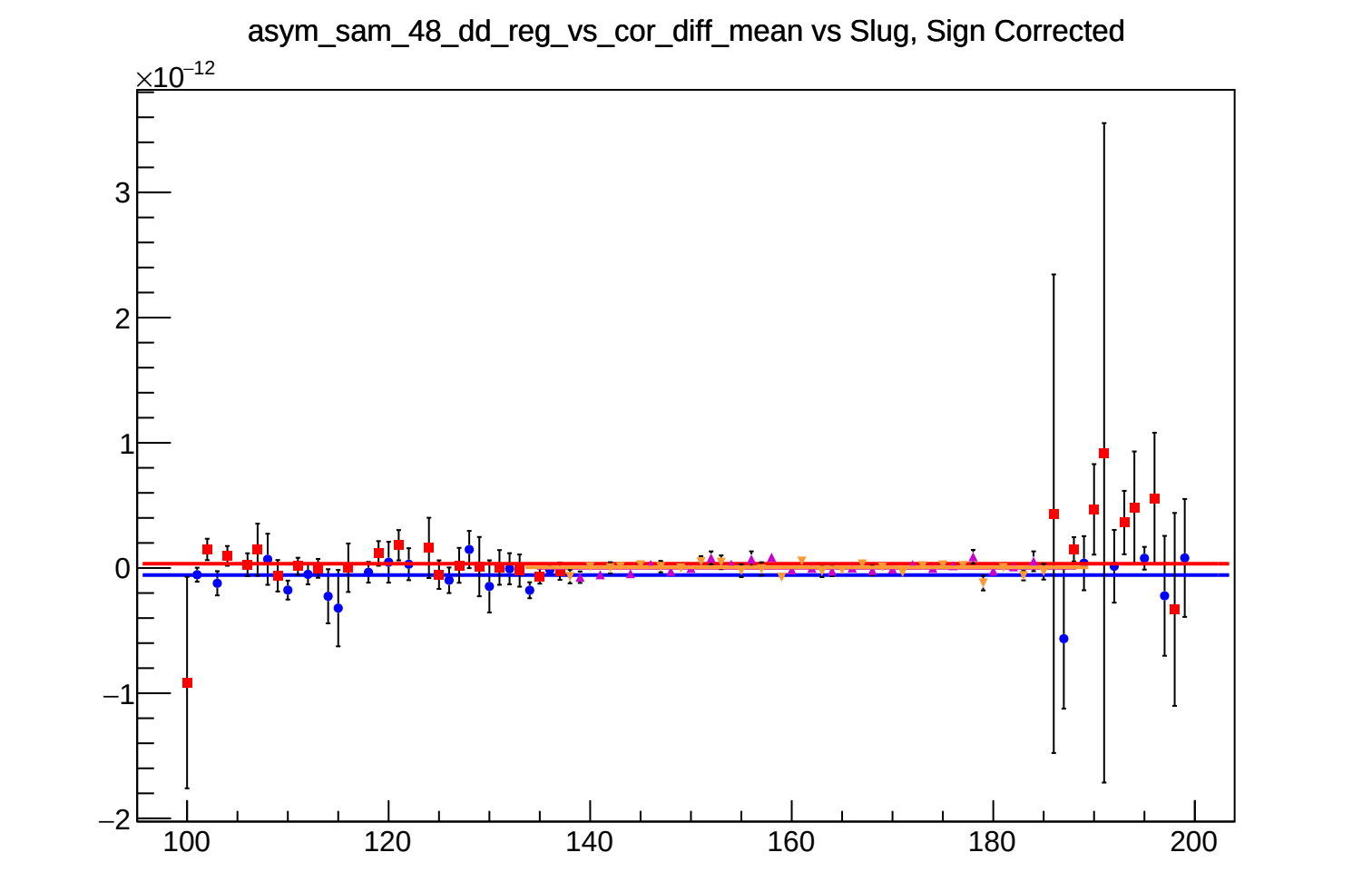
Left: 927.469+/-0.108 χ^2/NDF: 1531668.9/47

Right: 1310.024+/-0.202 χ^2/NDF: 6096064.6/48

In: 1013.507+/-0.137 χ^2/NDF:4593402.1/44

Out: 1012.373+/-0.133 χ^2/NDF:5823822.1/51

All: 1012.922+/-0.095 χ^2/NDF: 10417259.5/9



Right In: -0.000+/-0.000 χ^2/NDF: 16.1/21

Left Out: 0.000+/-0.000 χ^2/NDF:25.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 18.7/26

Left In: 0.000+/-0.000 χ^2/NDF:27.7/22

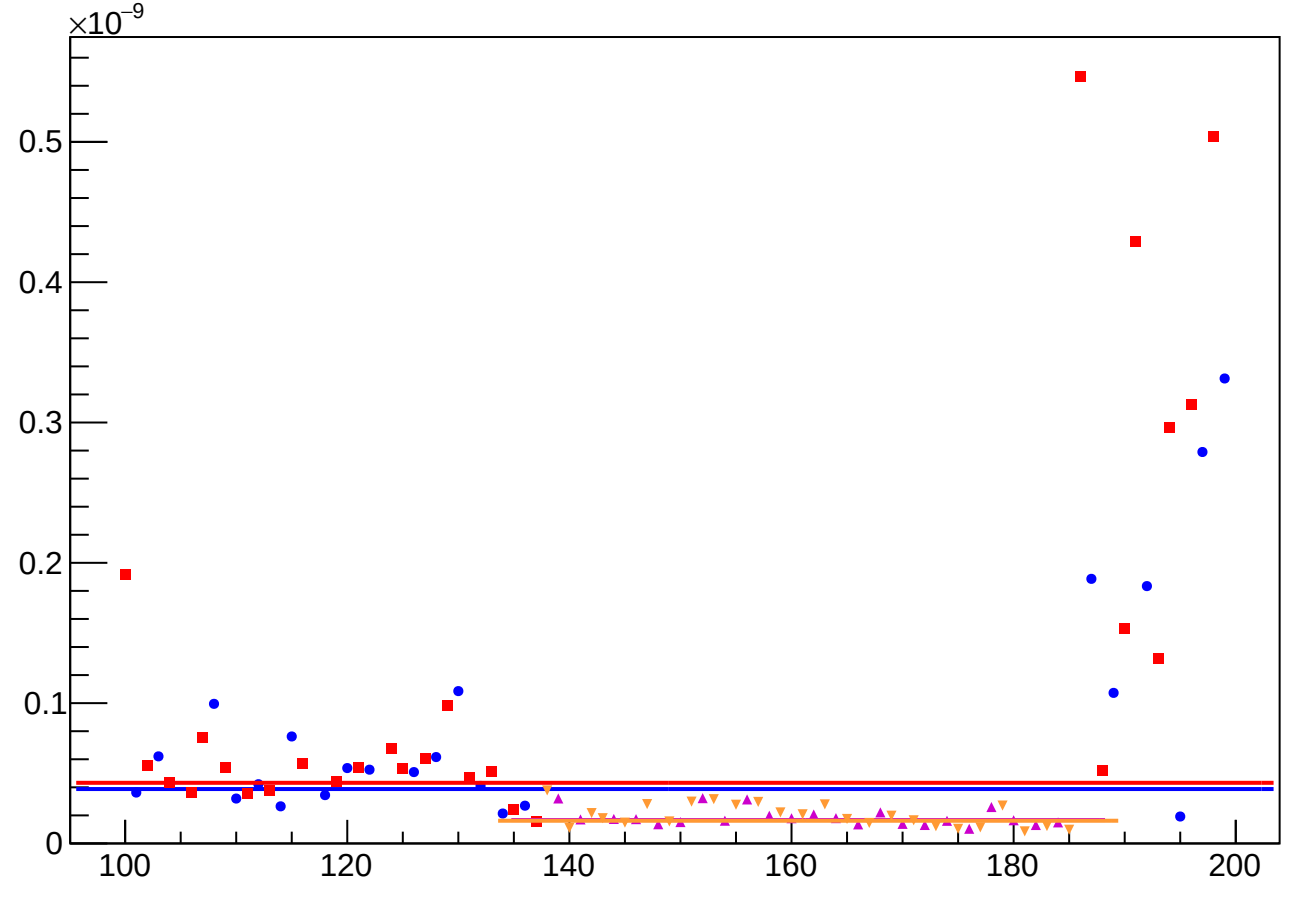
Left: 0.000+/-0.000 χ^2/NDF: 53.3/47

Right: -0.000+/-0.000 χ^2/NDF: 43.5/48

In: -0.000+/-0.000 χ^2/NDF:50.6/44

Out: 0.000+/-0.000 χ^2/NDF:45.7/51

All: 0.000+/-0.000 χ^2/NDF: 97.9/96



Right In: 0.000+/-0.000 χ^2/NDF: 3217355.0/21

Left Out: 0.000+/-0.000 χ^2/NDF:2009728.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3457373.6/26

Left In: 0.000+/-0.000 χ^2/NDF:928356.7/22

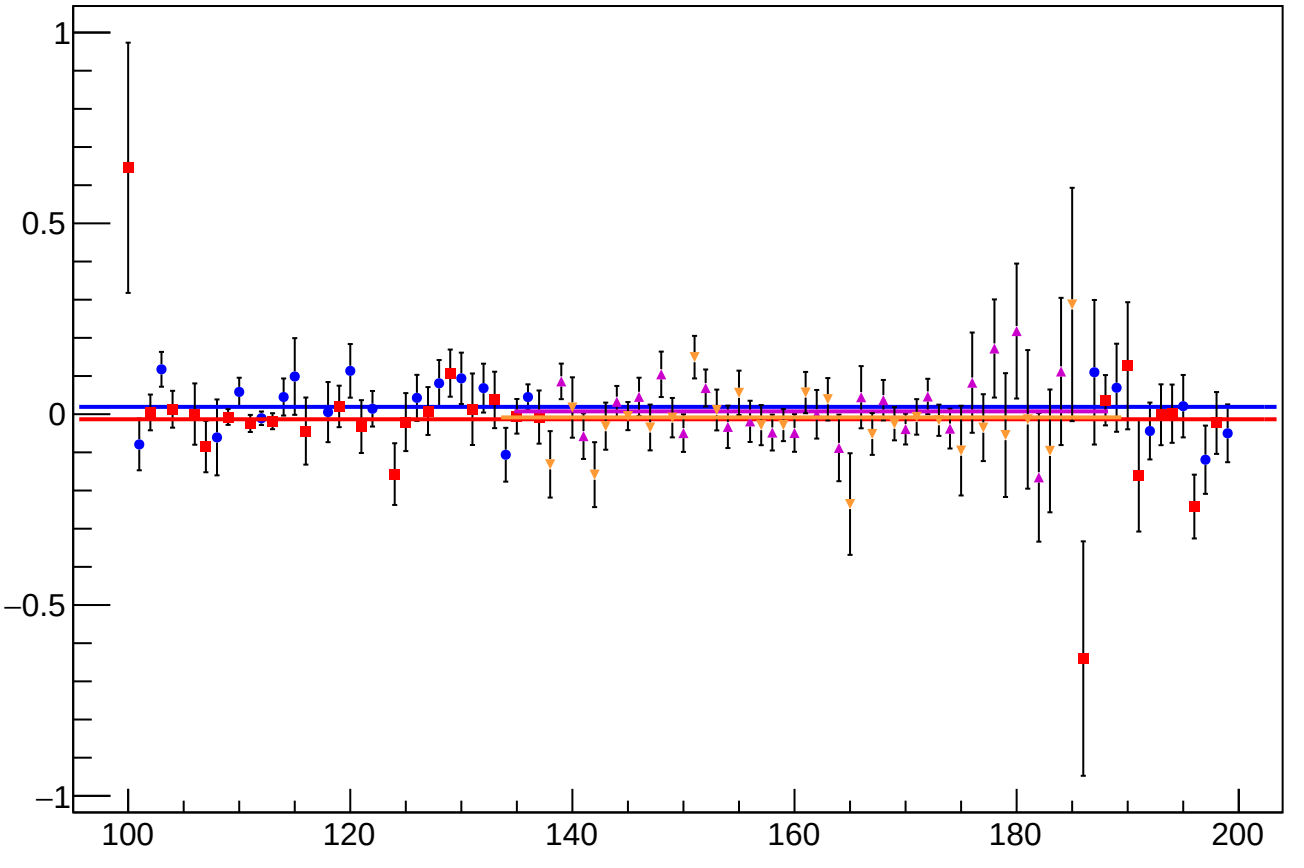
Left: 0.000+/-0.000 χ^2/NDF: 2943547.5/47

Right: 0.000+/-0.000 χ^2/NDF: 6716769.2/48

In: 0.000+/-0.000 χ^2/NDF:6148548.9/44

Out: 0.000+/-0.000 χ^2/NDF:8182800.3/51

All: 0.000+/-0.000 χ^2/NDF: 14337894.3/96



Right In: 0.019+/-0.011 χ^2/NDF: 25.2/21

Left Out: -0.008+/-0.012 χ^2/NDF:23.2/24

Right Out: -0.013+/-0.009 χ^2/NDF: 28.3/26

Left In: 0.007+/-0.012 χ^2/NDF:23.2/22

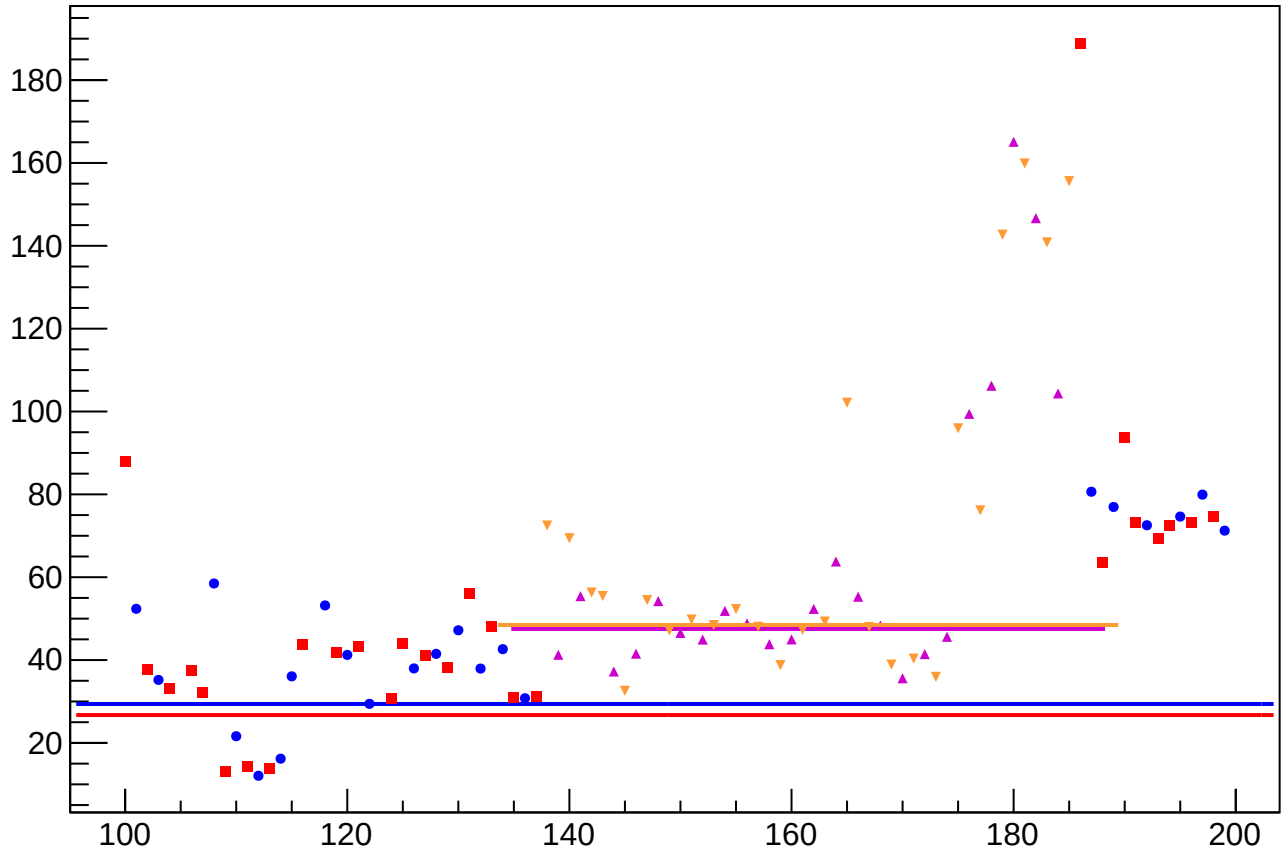
Left: -0.000+/-0.008 χ^2/NDF: 47.3/47

Right: 0.001+/-0.007 χ^2/NDF: 58.9/48

In: 0.014+/-0.008 χ^2/NDF:49.0/44

Out: -0.011+/-0.007 χ^2/NDF:51.6/51

All: 0.000+/-0.005 χ^2/NDF: 106.2/96



Right In: 29.397+/-0.007 χ^2/NDF: 6213722.4/21

Left Out: 48.471+/-0.008 χ^2/NDF:4373812.0/24

Right Out: 26.733+/-0.007 χ^2/NDF: 7817558.5/26

Left In: 47.505+/-0.009 χ^2/NDF:3075161.5/22

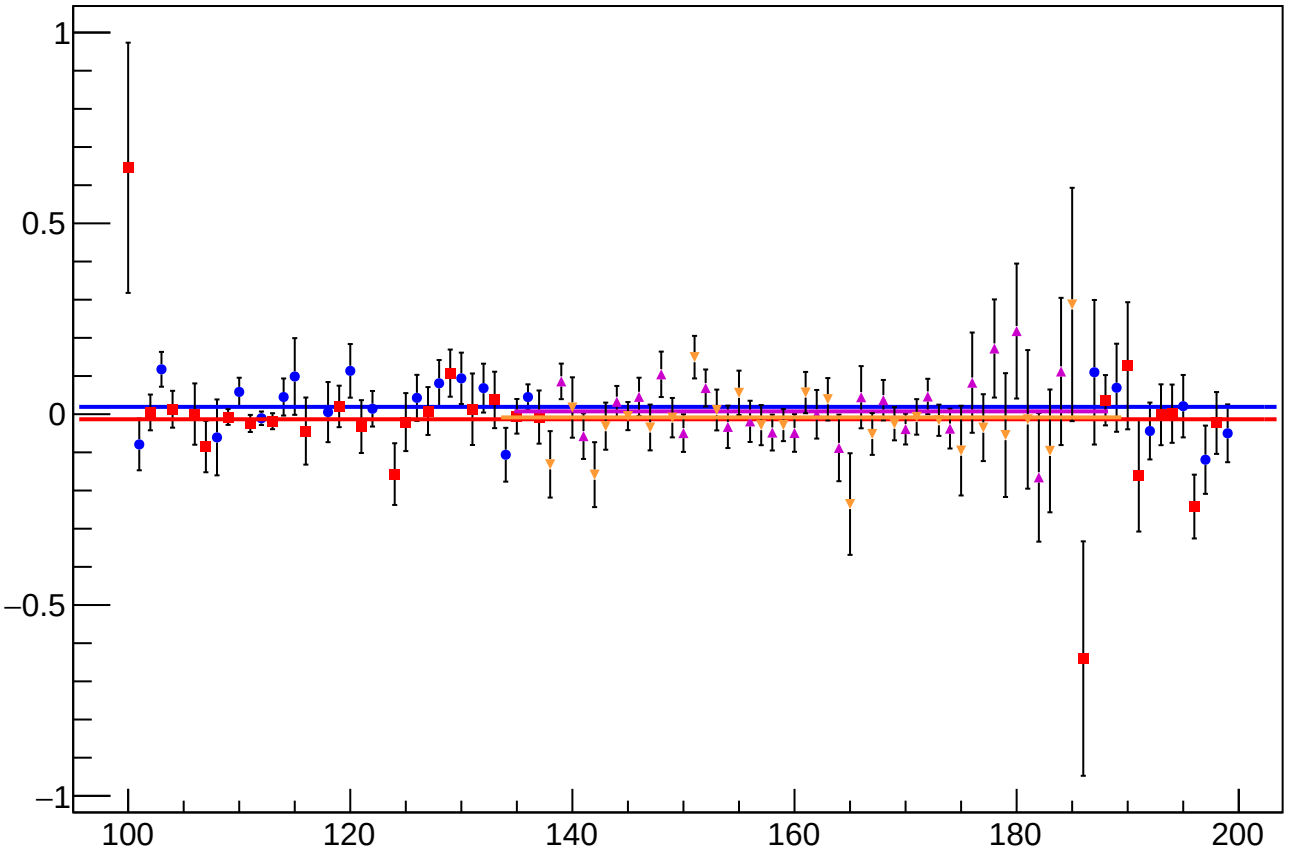
Left: 47.989+/-0.006 χ^2/NDF: 7455439.1/47

Right: 27.903+/-0.005 χ^2/NDF: 14102060.8/48

In: 37.312+/-0.006 χ^2/NDF:11838739.7/44

Out: 34.976+/-0.005 χ^2/NDF:16261090.6/51

All: 36.059+/-0.004 χ^2/NDF: 28192425.0/96



Right In: 0.019+/-0.011 χ^2/NDF: 25.2/21

Left Out: -0.008+/-0.012 χ^2/NDF:23.2/24

Right Out: -0.013+/-0.009 χ^2/NDF: 28.3/26

Left In: 0.007+/-0.012 χ^2/NDF:23.2/22

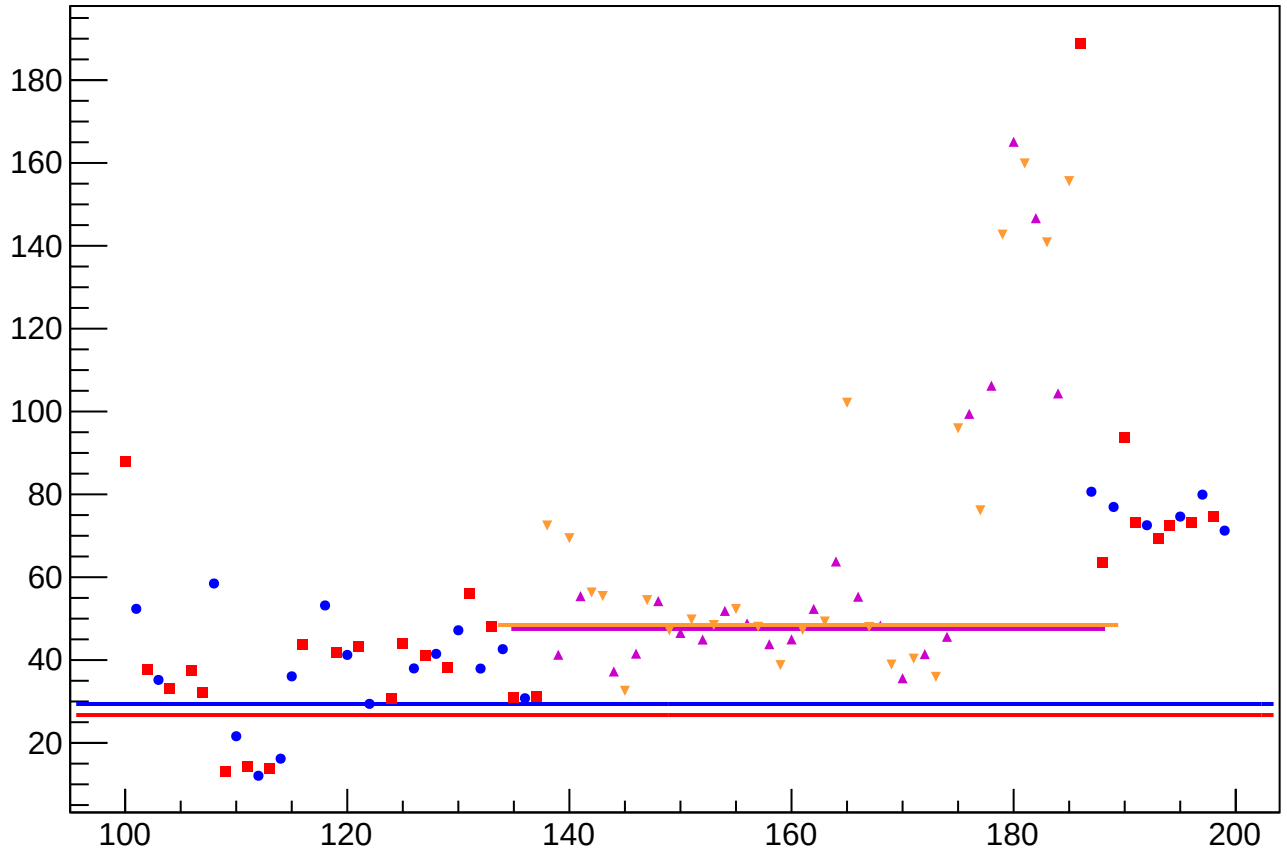
Left: -0.000+/-0.008 χ^2/NDF: 47.3/47

Right: 0.001+/-0.007 χ^2/NDF: 58.9/48

In: 0.014+/-0.008 χ^2/NDF:49.0/44

Out: -0.011+/-0.007 χ^2/NDF:51.6/51

All: 0.000+/-0.005 χ^2/NDF: 106.2/96



Right In: 29.397+/-0.007 χ^2/NDF: 6213722.4/21

Left Out: 48.471+/-0.008 χ^2/NDF:4373812.0/24

Right Out: 26.733+/-0.007 χ^2/NDF: 7817558.5/26

Left In: 47.505+/-0.009 χ^2/NDF:3075161.5/22

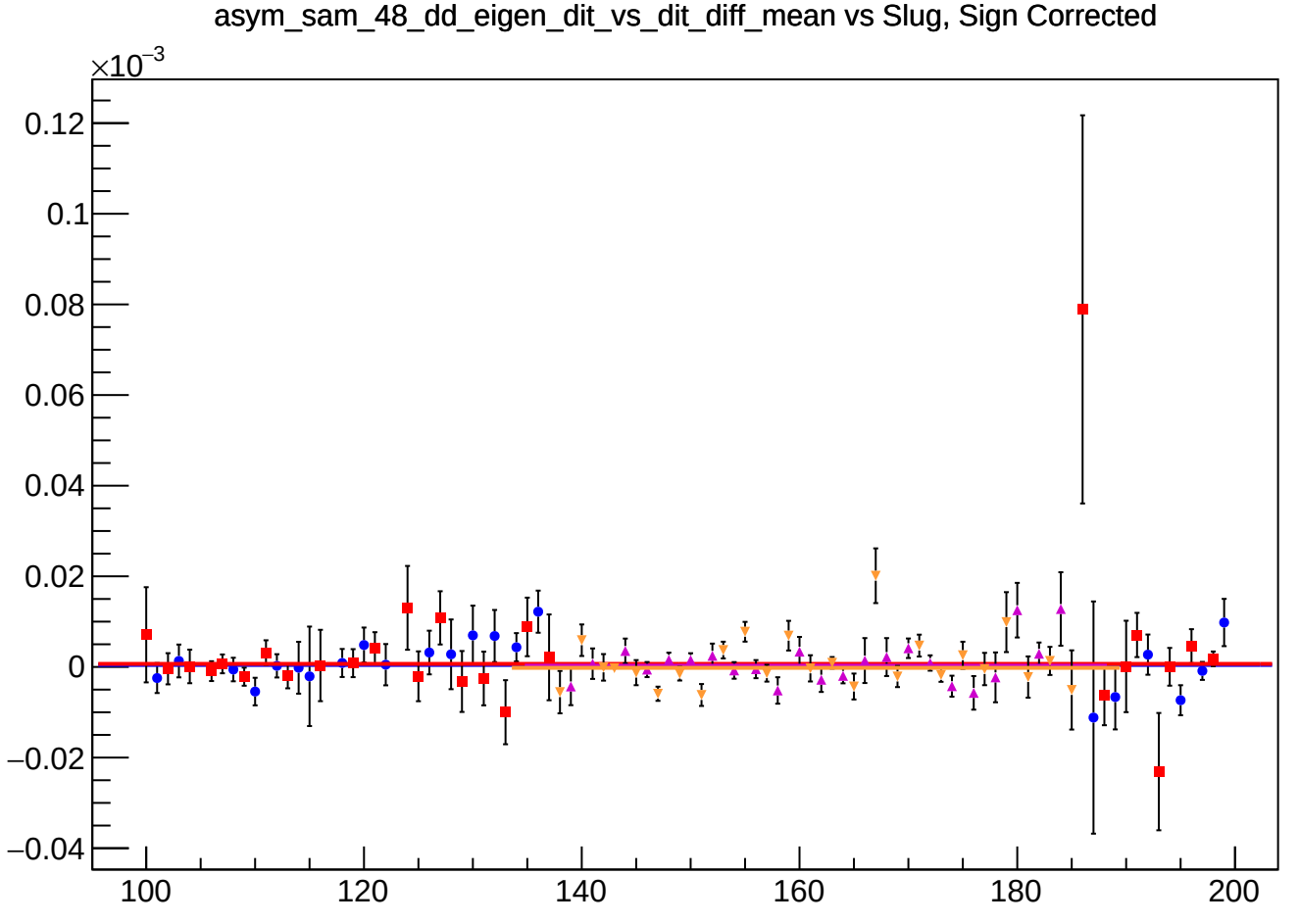
Left: 47.989+/-0.006 χ^2/NDF: 7455439.1/47

Right: 27.903+/-0.005 χ^2/NDF: 14102060.8/48

In: 37.312+/-0.006 χ^2/NDF:11838739.7/44

Out: 34.976+/-0.005 χ^2/NDF:16261090.6/51

All: 36.059+/-0.004 χ^2/NDF: 28192425.0/96



Right In: 0.000+/-0.000 χ^2/NDF: 27.3/21

Left Out: -0.000+/-0.000 χ^2/NDF:71.7/24

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

Left In: 0.000+/-0.000 χ^2/NDF:30.9/22

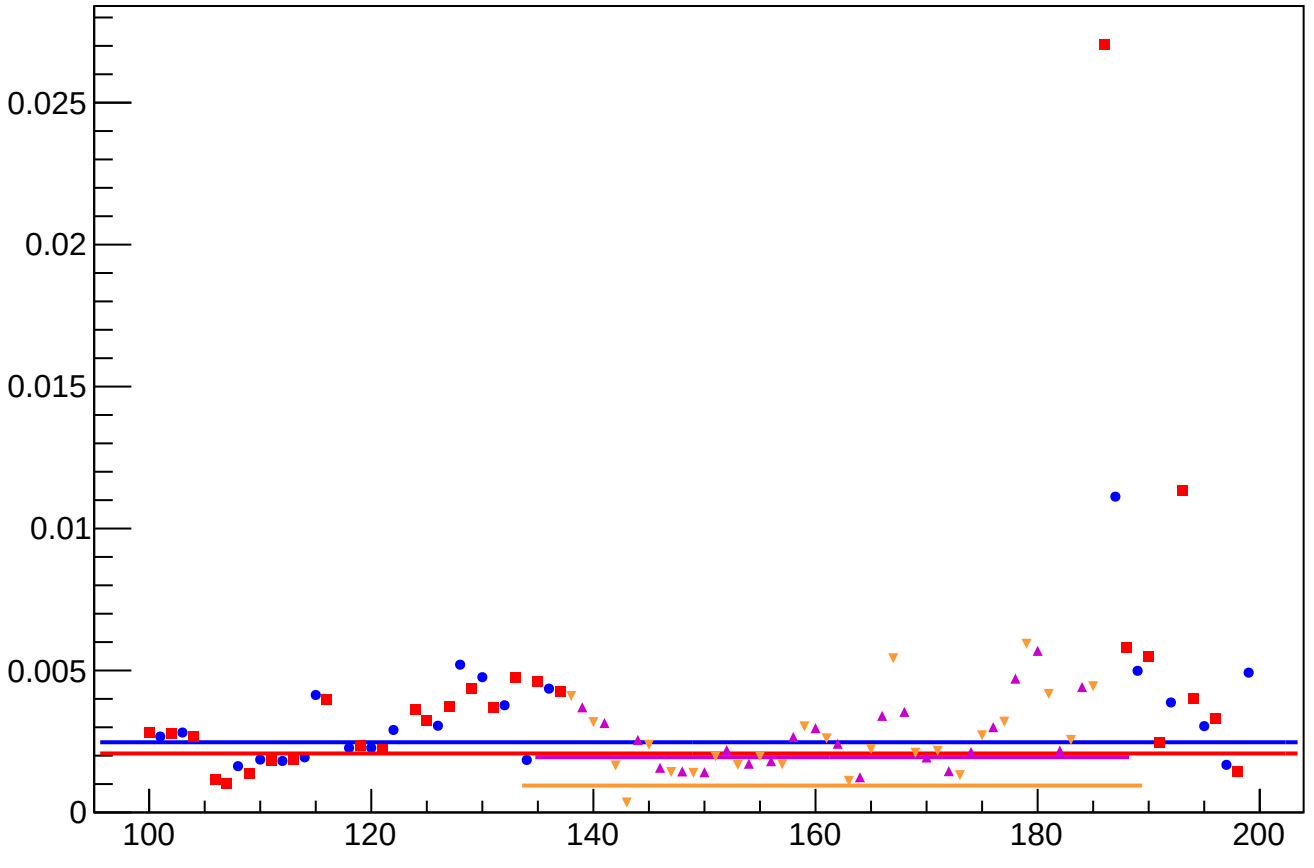
Left: -0.000+/-0.000 χ^2/NDF: 103.2/47

Right: 0.000+/-0.000 χ^2/NDF: 53.9/48

In: 0.000+/-0.000 χ^2/NDF:58.3/44

Out: -0.000+/-0.000 χ^2/NDF:99.5/51

All: 0.000+/-0.000 χ^2/NDF: 158.4/96



Right In: 0.002+/-0.000 χ^2/NDF: 3078630.7/21

Left Out: 0.001+/-0.000 χ^2/NDF:17608951.7/24

Right Out: 0.002+/-0.000 χ^2/NDF: 6341598.0/26

Left In: 0.002+/-0.000 χ^2/NDF:4362371.5/22

Left: 0.001+/-0.000 χ^2/NDF: 27882769.2/47

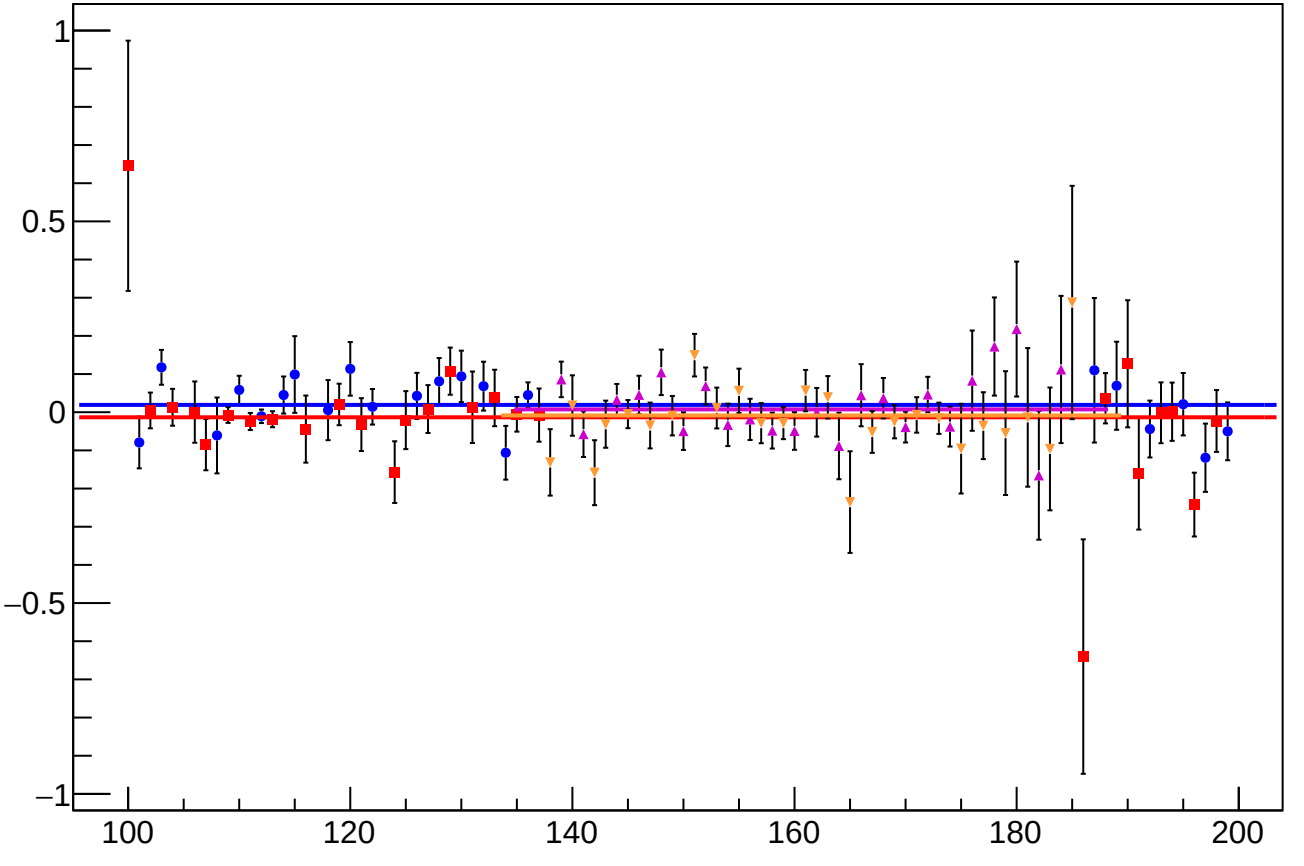
Right: 0.002+/-0.000 χ^2/NDF: 9698976.0/48

In: 0.002+/-0.000 χ^2/NDF:8062977.4/44

Out: 0.001+/-0.000 χ^2/NDF:28469313.8/51

All: 0.001+/-0.000 χ^2/NDF: 43821285.7/96

asym_sam_48_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.019+/-0.011 χ^2/NDF: 25.3/21

Left Out: -0.008+/-0.012 χ^2/NDF:23.2/24

Right Out: -0.013+/-0.009 χ^2/NDF: 28.3/26

Left In: 0.007+/-0.012 χ^2/NDF:23.2/22

Left: -0.000+/-0.008 χ^2/NDF: 47.3/47

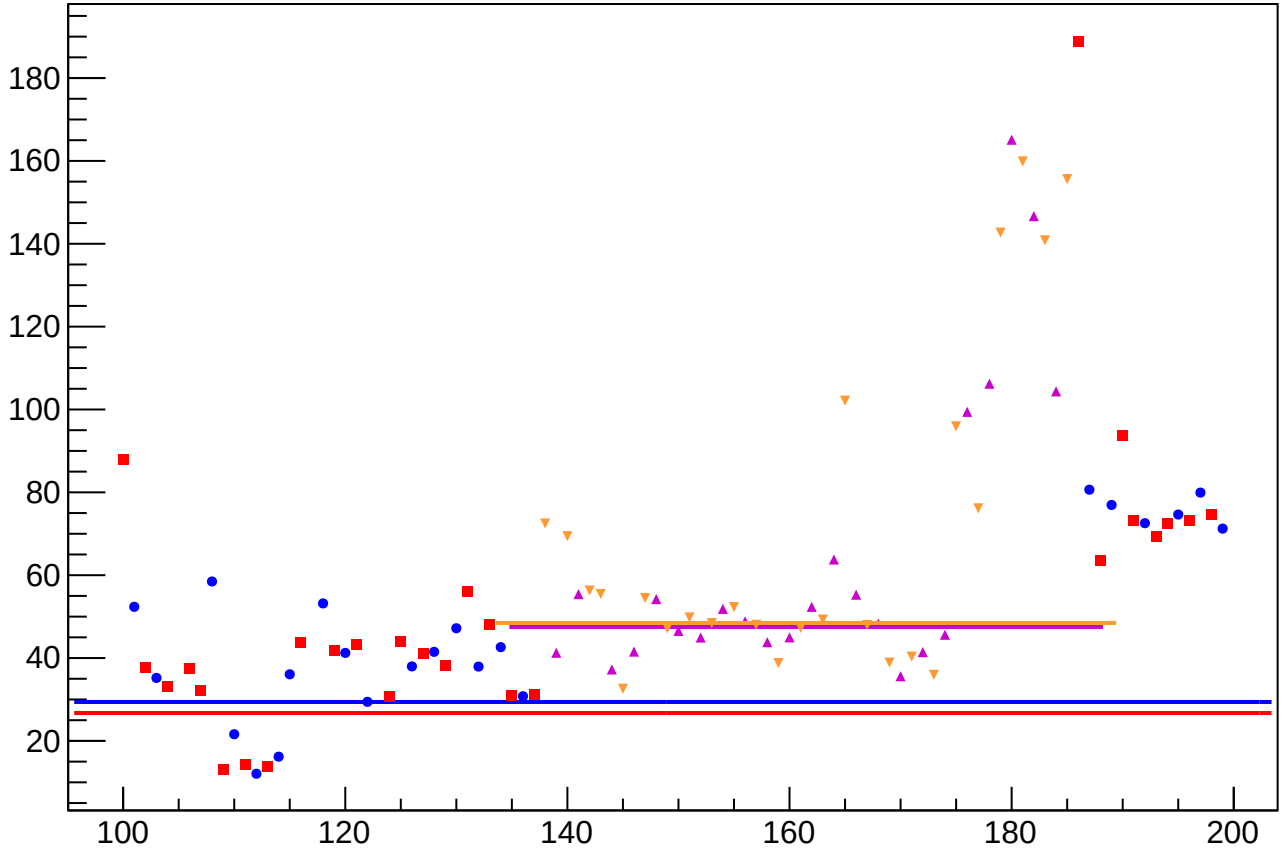
Right: 0.001+/-0.007 χ^2/NDF: 58.9/48

In: 0.014+/-0.008 χ^2/NDF:49.0/44

Out: -0.011+/-0.007 χ^2/NDF:51.6/51

All: 0.000+/-0.005 χ^2/NDF: 106.2/96

asym_sam_48_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.395+/-0.007 χ^2/NDF: 6214299.8/21

Left Out: 48.471+/-0.008 χ^2/NDF:4373775.4/24

Right Out: 26.732+/-0.007 χ^2/NDF: 7817755.3/26

Left In: 47.505+/-0.009 χ^2/NDF:3075116.0/22

Left: 47.989+/-0.006 χ^2/NDF: 7455357.0/47

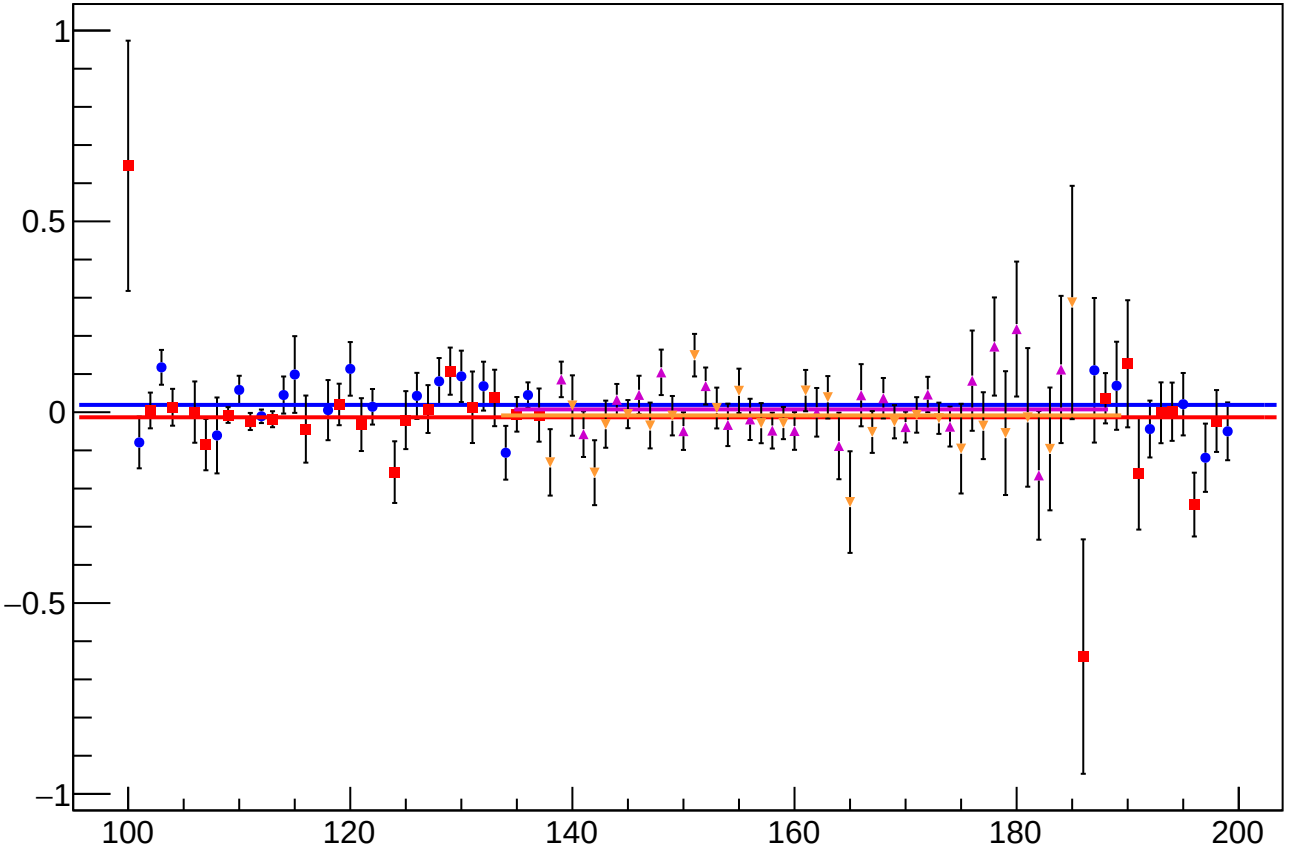
Right: 27.902+/-0.005 χ^2/NDF: 14102780.3/48

In: 37.311+/-0.006 χ^2/NDF:11839799.4/44

Out: 34.975+/-0.005 χ^2/NDF:16261478.0/51

All: 36.058+/-0.004 χ^2/NDF: 28193814.6/96

asym_sam_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.019+/-0.011 χ^2/NDF: 25.3/21

Left Out: -0.008+/-0.012 χ^2/NDF:23.2/24

Right Out: -0.013+/-0.009 χ^2/NDF: 28.3/26

Left In: 0.007+/-0.012 χ^2/NDF:23.2/22

Left: -0.000+/-0.008 χ^2/NDF: 47.3/47

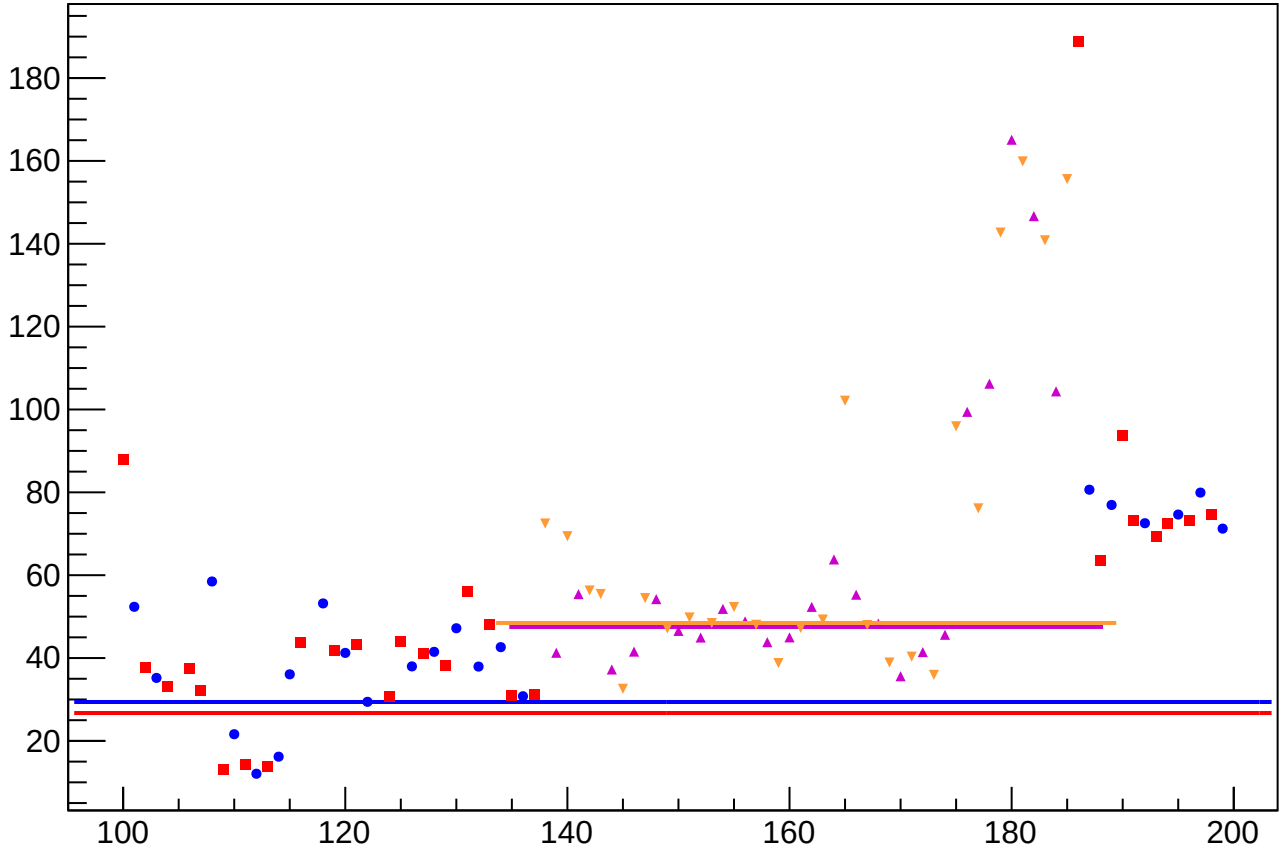
Right: 0.001+/-0.007 χ^2/NDF: 58.9/48

In: 0.014+/-0.008 χ^2/NDF:49.0/44

Out: -0.011+/-0.007 χ^2/NDF:51.6/51

All: 0.000+/-0.005 χ^2/NDF: 106.2/96

asym_sam_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.395+/-0.007 χ^2/NDF: 6214299.8/21

Left Out: 48.471+/-0.008 χ^2/NDF:4373775.4/24

Right Out: 26.732+/-0.007 χ^2/NDF: 7817755.3/26

Left In: 47.505+/-0.009 χ^2/NDF:3075116.0/22

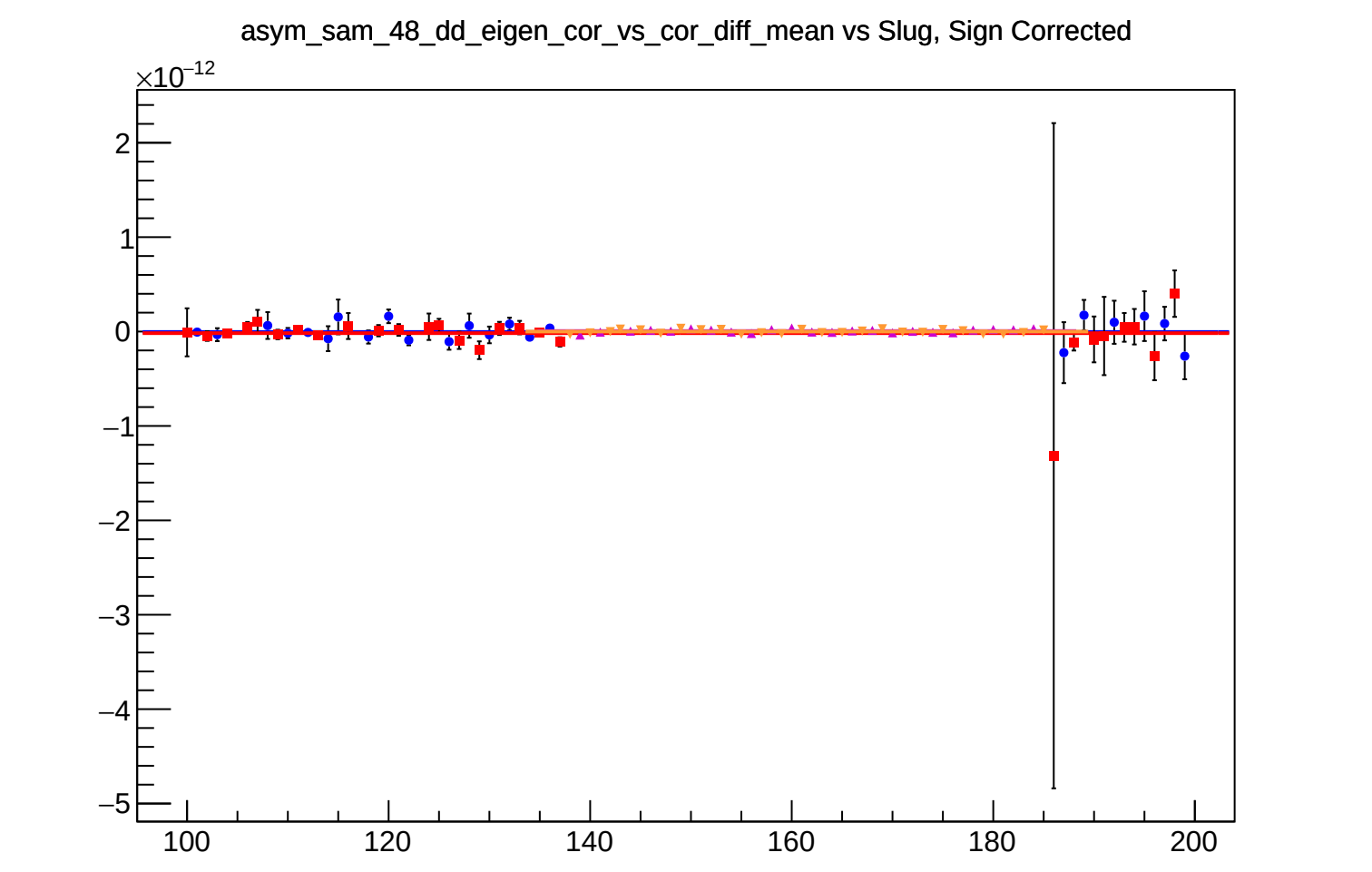
Left: 47.989+/-0.006 χ^2/NDF: 7455357.0/47

Right: 27.902+/-0.005 χ^2/NDF: 14102780.3/48

In: 37.311+/-0.006 χ^2/NDF:11839799.4/44

Out: 34.975+/-0.005 χ^2/NDF:16261478.0/51

All: 36.058+/-0.004 χ^2/NDF: 28193814.6/96



Right In: -0.000+/-0.000 χ^2/NDF: 22.4/21

Left Out: 0.000+/-0.000 χ^2/NDF:31.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 20.5/26

Left In: 0.000+/-0.000 χ^2/NDF:19.1/22

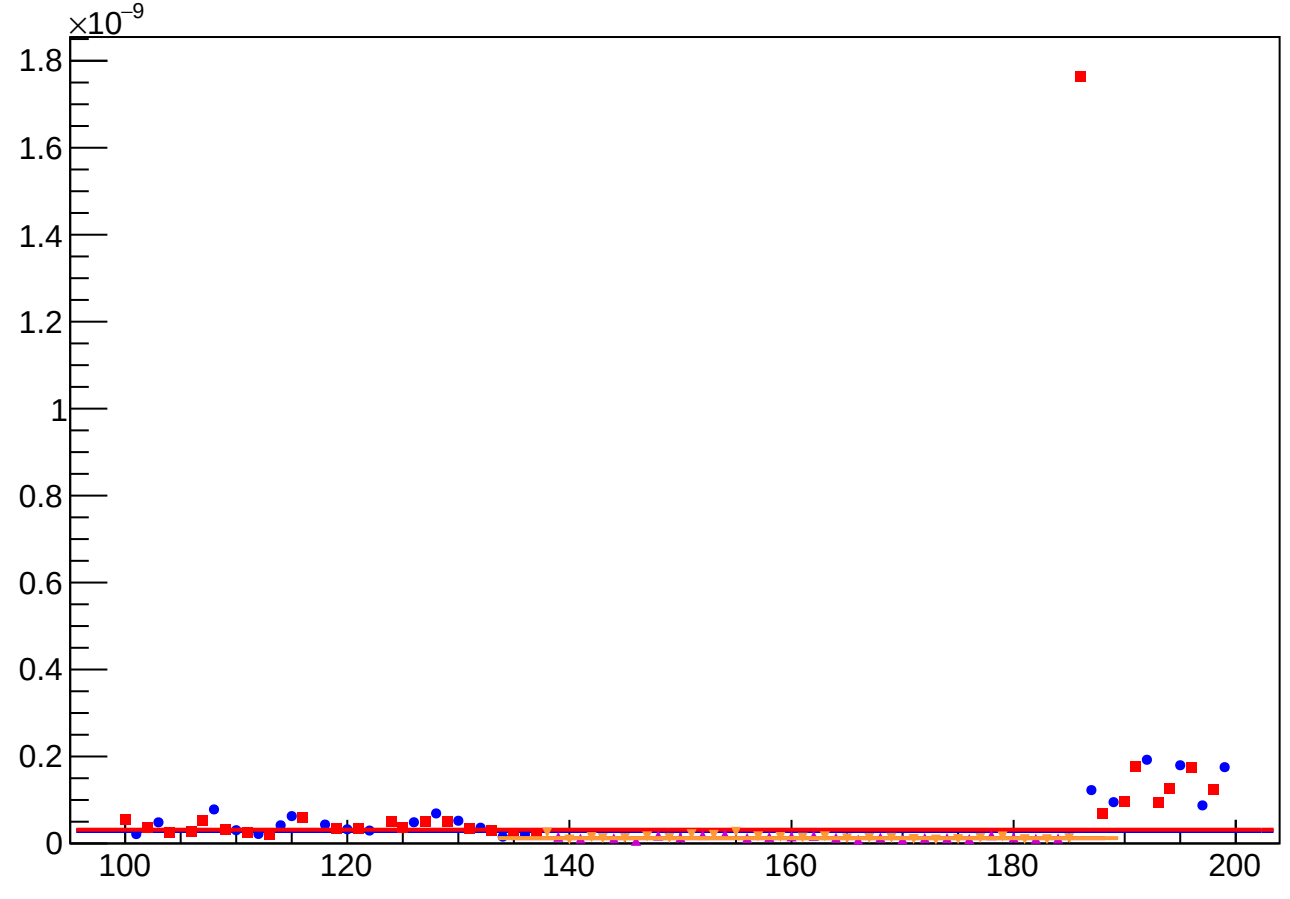
Left: 0.000+/-0.000 χ^2/NDF: 51.7/47

Right: -0.000+/-0.000 χ^2/NDF: 43.4/48

In: 0.000+/-0.000 χ^2/NDF:42.2/44

Out: -0.000+/-0.000 χ^2/NDF:53.5/51

All: 0.000+/-0.000 χ^2/NDF: 97.1/96



Right In: 0.000+/-0.000 χ^2/NDF: 4882191.5/21

Left Out: 0.000+/-0.000 χ^2/NDF:1915201.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3972579.4/26

Left In: 0.000+/-0.000 χ^2/NDF:1925839.7/22

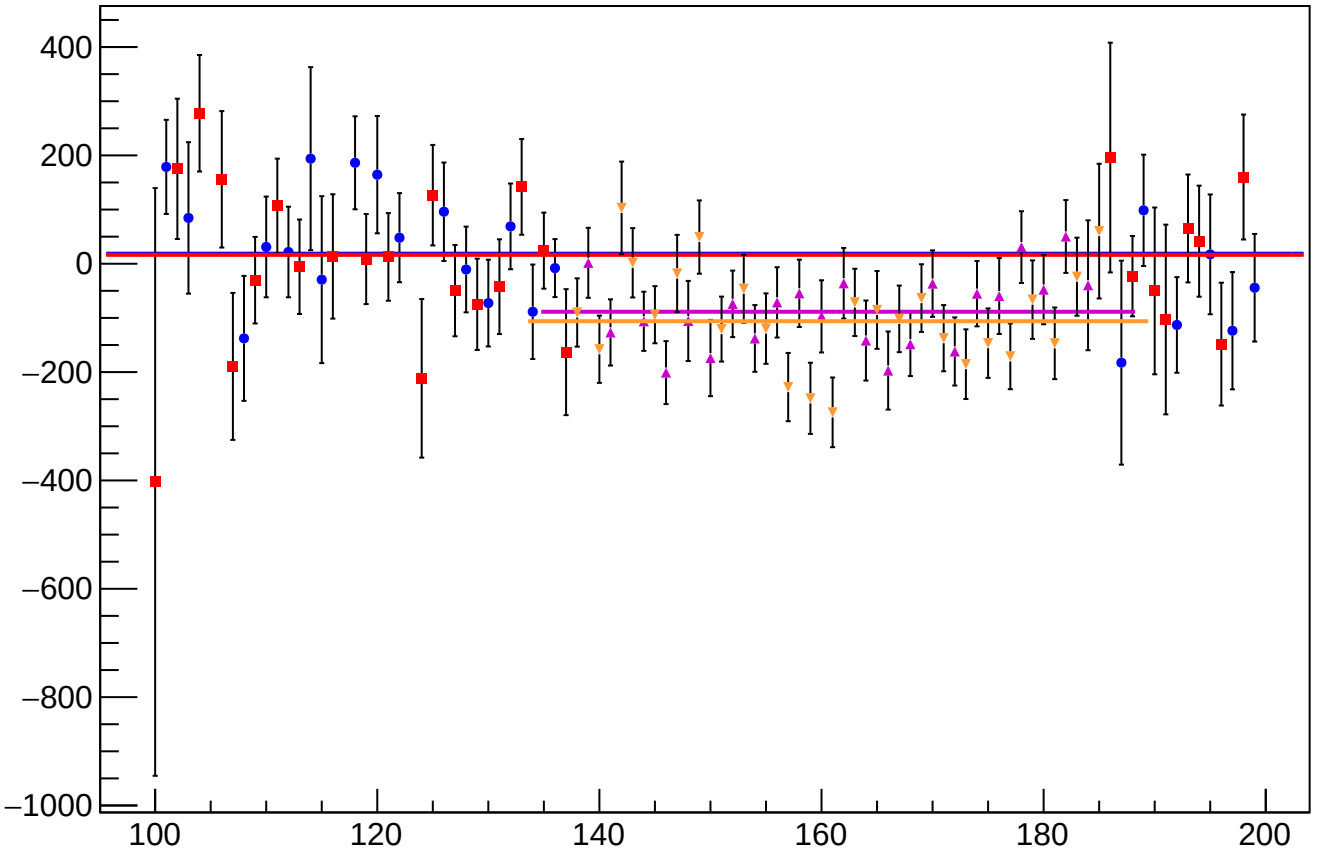
Left: 0.000+/-0.000 χ^2/NDF: 3841224.4/47

Right: 0.000+/-0.000 χ^2/NDF: 8907970.7/48

In: 0.000+/-0.000 χ^2/NDF:9962053.2/44

Out: 0.000+/-0.000 χ^2/NDF:10015804.6/51

All: 0.000+/-0.000 χ^2/NDF: 19978777.0/96



Right In: 18.564+/-19.760 χ^2/NDF: 22.8/21

Left Out: -106.100+/-13.089 χ^2/NDF:40.7/24

Right Out: 16.446+/-19.358 χ^2/NDF: 29.1/26

Left In: -88.619+/-13.566 χ^2/NDF:23.9/22

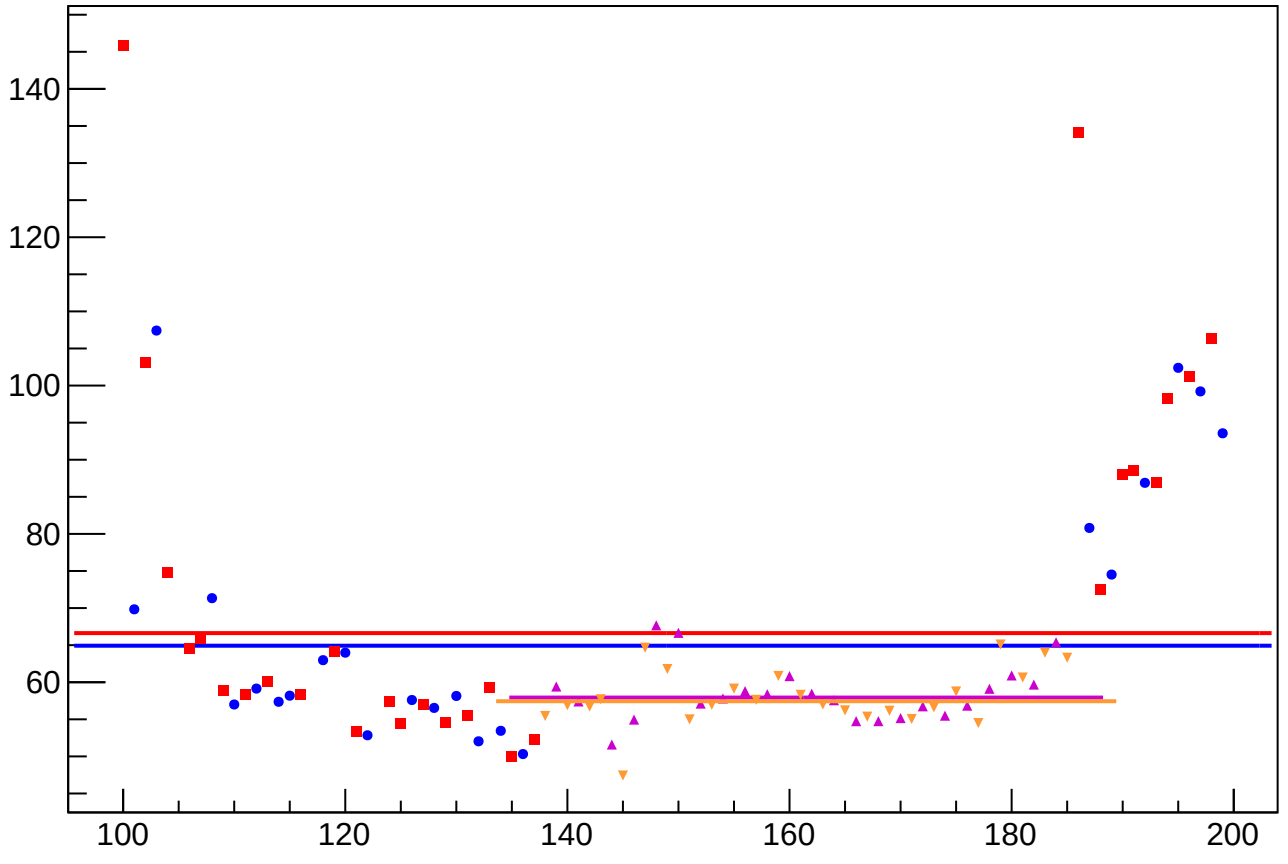
Left: -97.672+/-9.420 χ^2/NDF: 65.4/47

Right: 17.483+/-13.828 χ^2/NDF: 52.0/48

In: -54.284+/-11.184 χ^2/NDF:66.7/44

Out: -67.651+/-10.843 χ^2/NDF:97.3/51

All: -61.174+/-7.785 χ^2/NDF: 164.8/96



Right In: 64.925+/-0.014 χ^2/NDF: 1312214.2/21

Left Out: 57.440+/-0.009 χ^2/NDF:174555.9/24

Right Out: 66.625+/-0.014 χ^2/NDF: 1609106.4/26

Left In: 57.933+/-0.010 χ^2/NDF:135903.0/22

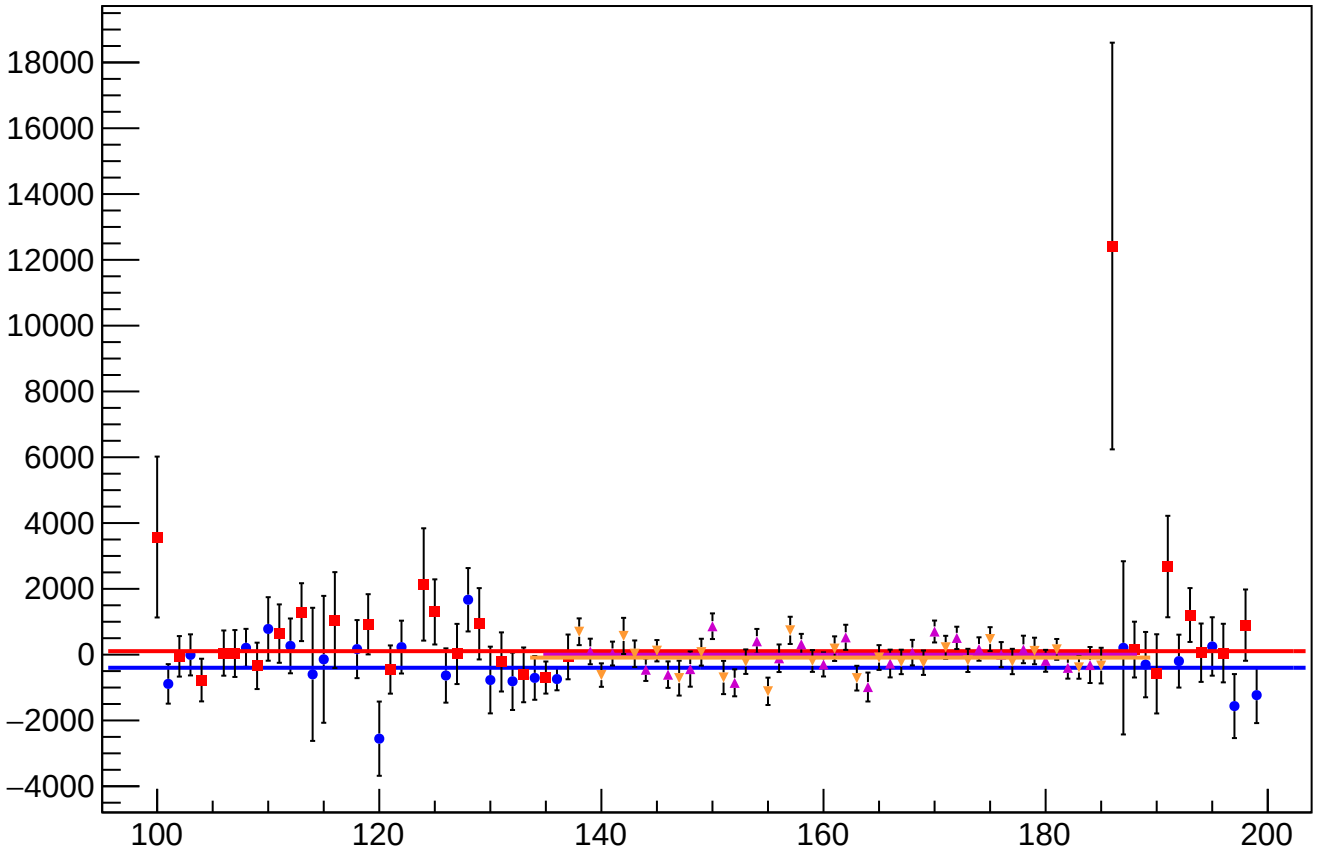
Left: 57.678+/-0.007 χ^2/NDF: 311823.9/47

Right: 65.792+/-0.010 χ^2/NDF: 2928870.7/48

In: 60.173+/-0.008 χ^2/NDF:1618328.3/44

Out: 60.322+/-0.008 χ^2/NDF:2092631.4/51

All: 60.250+/-0.006 χ^2/NDF: 3711143.3/96



Right In: -398.741+/-164.236 χ^2/NDF: 18.3/21

Left Out: -89.059+/-77.011 χ^2/NDF:29.9/24

Right Out: 105.873+/-163.875 χ^2/NDF: 24.8/26

Left In: -3.046+/-79.193 χ^2/NDF:33.6/22

Left: -47.253+/-55.210 χ^2/NDF: 64.1/47

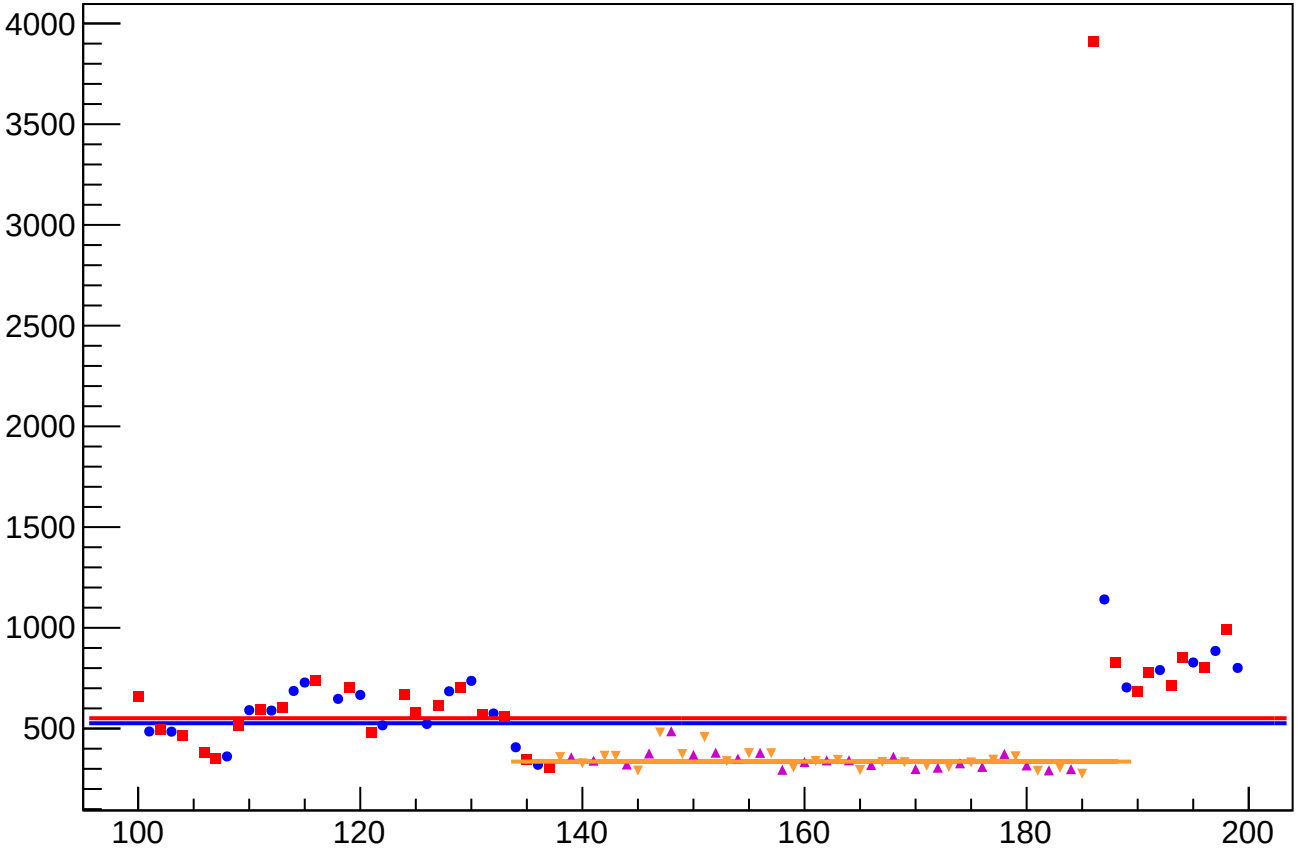
Right: -145.879+/-116.005 χ^2/NDF: 47.9/48

In: -77.692+/-71.333 χ^2/NDF:56.6/44

Out: -53.797+/-69.699 χ^2/NDF:55.9/51

All: -65.468+/-49.852 χ^2/NDF: 112.6/96

asym_sam_13_57_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 526.387+/-0.116 χ^2/NDF: 2345931.5/21

Left Out: 335.894+/-0.054 χ^2/NDF:533835.0/24

Right Out: 551.284+/-0.116 χ^2/NDF: 2804614.2/26

Left In: 336.343+/-0.056 χ^2/NDF:414202.1/22

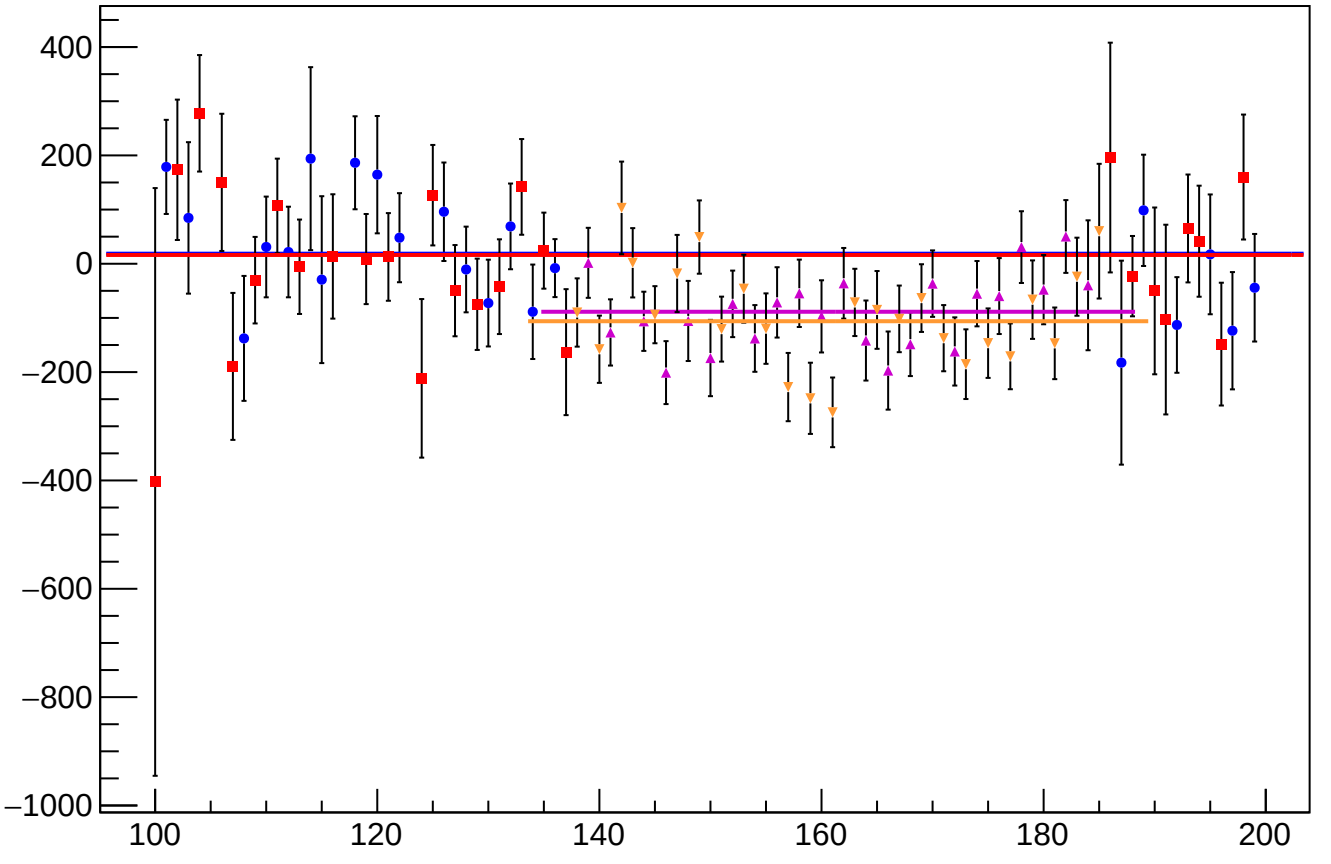
Left: 336.112+/-0.039 χ^2/NDF: 948070.1/47

Right: 538.863+/-0.082 χ^2/NDF: 5173577.7/48

In: 372.194+/-0.050 χ^2/NDF:4932880.2/44

Out: 374.857+/-0.049 χ^2/NDF:6168499.4/51

All: 373.556+/-0.035 χ^2/NDF: 11102804.9/96



Right In: 18.562+/-19.760 χ^2/NDF: 22.8/21

Left Out: -106.099+/-13.089 χ^2/NDF:40.7/24

Right Out: 16.233+/-19.361 χ^2/NDF: 29.0/26

Left In: -88.621+/-13.566 χ^2/NDF:23.9/22

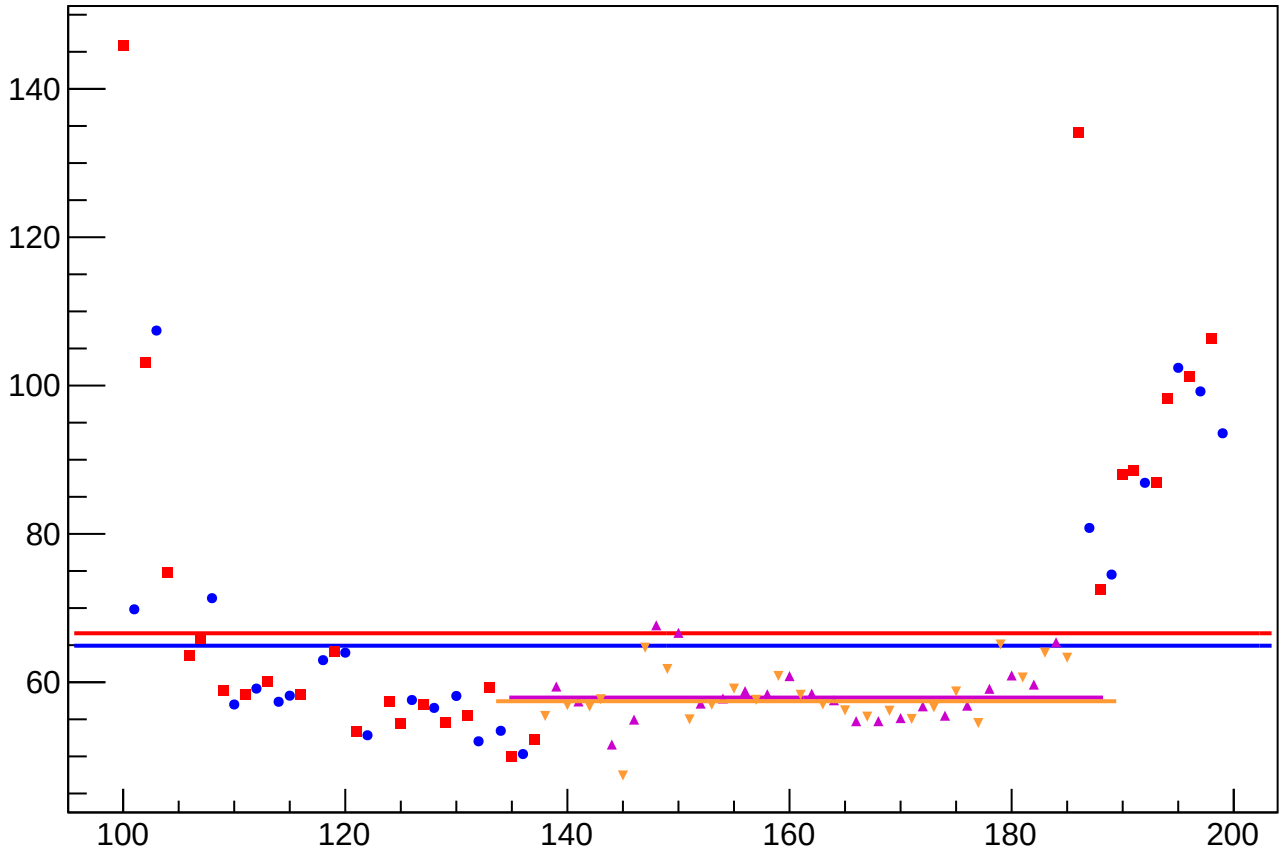
Left: -97.673+/-9.420 χ^2/NDF: 65.4/47

Right: 17.374+/-13.829 χ^2/NDF: 51.8/48

In: -54.286+/-11.184 χ^2/NDF:66.7/44

Out: -67.725+/-10.843 χ^2/NDF:97.1/51

All: -61.213+/-7.785 χ^2/NDF: 164.5/96



Right In: 64.925+/-0.014 χ^2/NDF: 1312216.2/21

Left Out: 57.440+/-0.009 χ^2/NDF:174555.9/24

Right Out: 66.602+/-0.014 χ^2/NDF: 1609935.5/26

Left In: 57.933+/-0.010 χ^2/NDF:135903.0/22

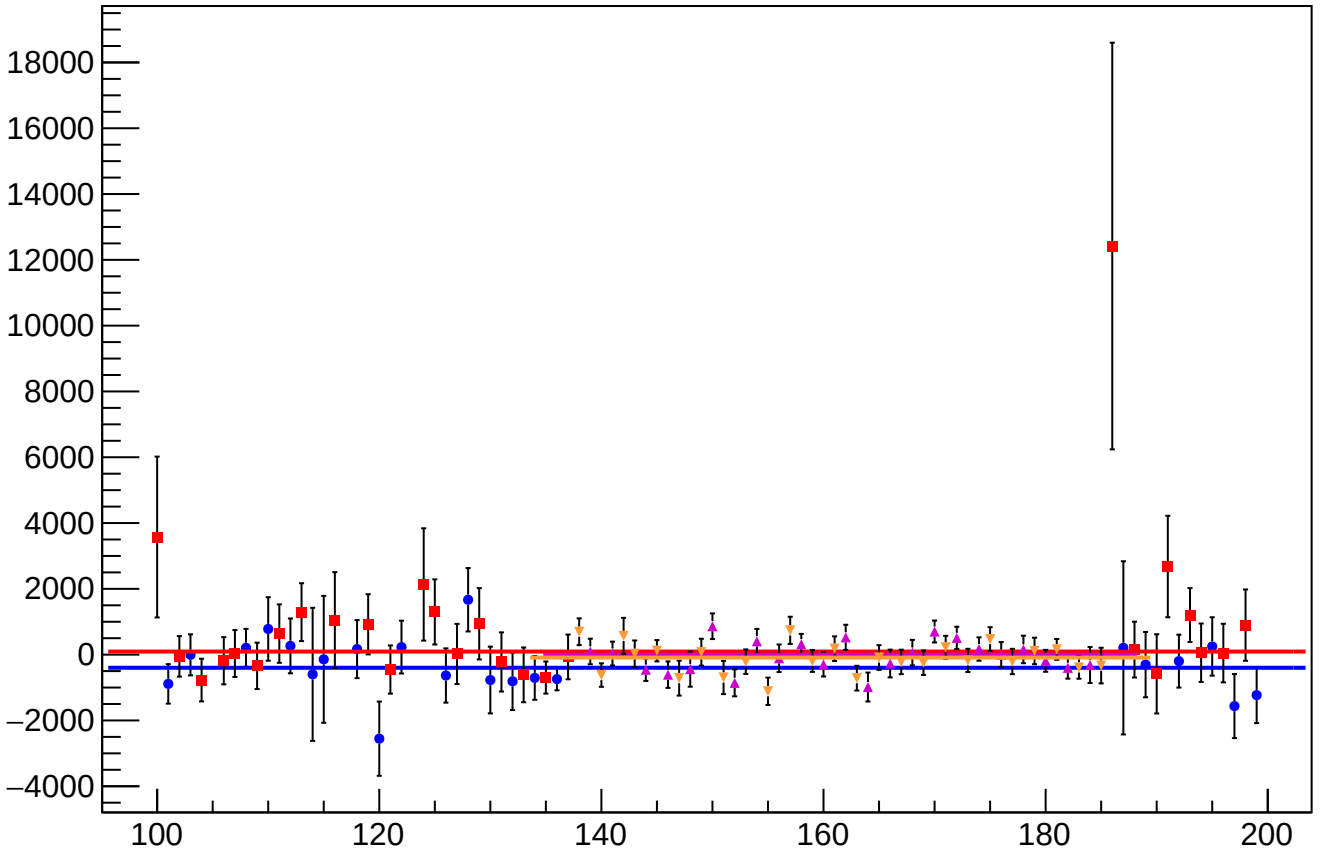
Left: 57.678+/-0.007 χ^2/NDF: 311823.9/47

Right: 65.781+/-0.010 χ^2/NDF: 2929504.0/48

In: 60.173+/-0.008 χ^2/NDF:1618330.3/44

Out: 60.314+/-0.008 χ^2/NDF:2091903.1/51

All: 60.246+/-0.006 χ^2/NDF: 3710398.9/96



Right In: -398.712+/-164.237 χ^2/NDF: 18.3/21

Left Out: -89.061+/-77.011 χ^2/NDF:29.9/24

Right Out: 93.985+/-164.280 χ^2/NDF: 25.0/26

Left In: -3.047+/-79.193 χ^2/NDF:33.6/22

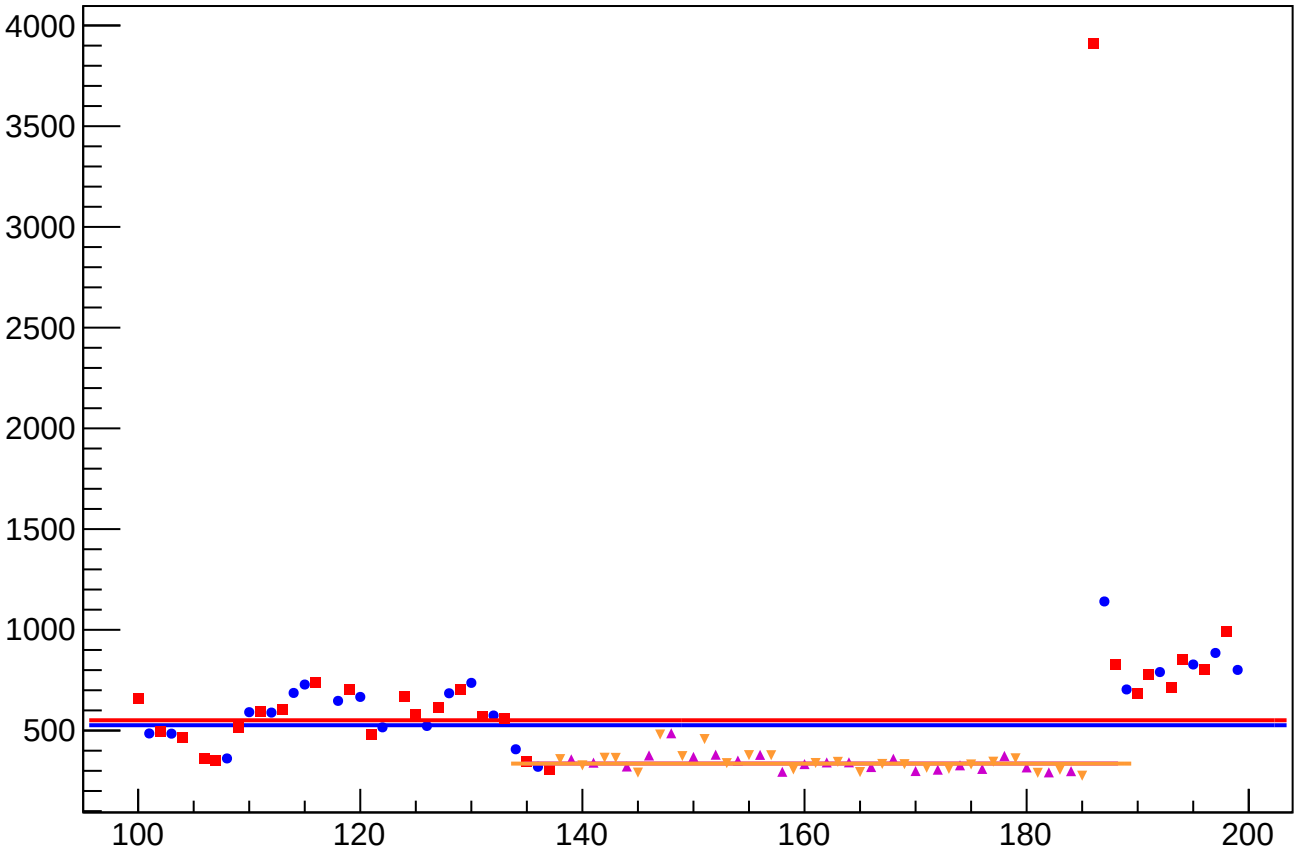
Left: -47.256+/-55.210 χ^2/NDF: 64.1/47

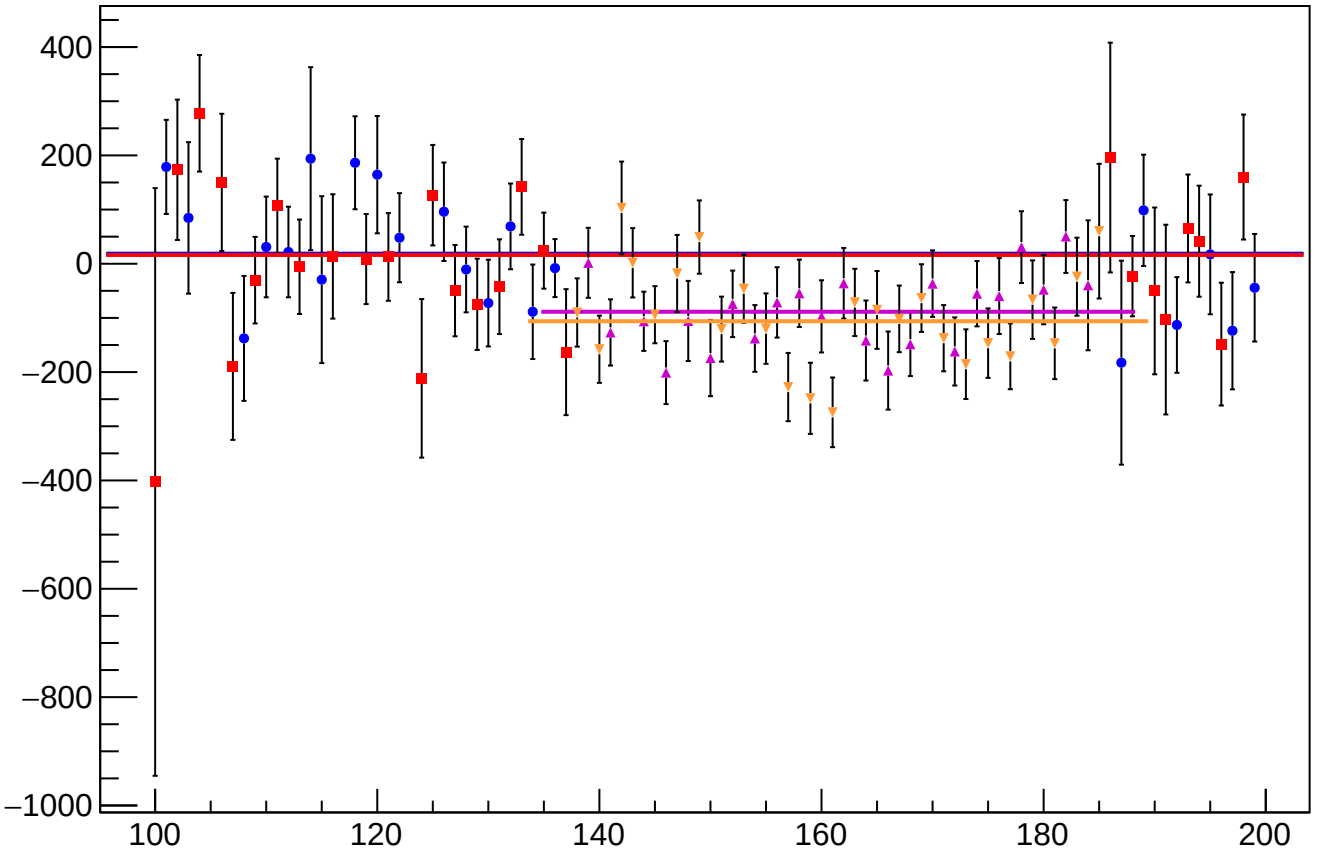
Right: -152.428+/-116.148 χ^2/NDF: 47.8/48

In: -77.687+/-71.333 χ^2/NDF:56.6/44

Out: -56.083+/-69.730 χ^2/NDF:55.9/51

All: -66.640+/-49.864 χ^2/NDF: 112.6/96


asym_sam_13_57_dd_cor_correction_rms vs Slug, Sign Corrected
4000
3500
3000
2500
2000
1500
1000
500
100
120
140
160
180
200
Right In: 526.389+/-0.116 χ²/NDF: 2345911.9/21
Left Out: 335.894+/-0.054 χ²/NDF:533835.9/24
Right Out: 551.046+/-0.116 χ²/NDF: 2823290.0/26
Left In: 336.343+/-0.056 χ²/NDF:414205.9/22
Left: 336.112+/-0.039 χ²/NDF: 948074.8/47
Right: 538.714+/-0.082 χ²/NDF: 5191734.0/48
In: 372.194+/-0.050 χ²/NDF:4932911.6/44
Out: 374.656+/-0.049 χ²/NDF:6169513.7/51
All: 373.453+/-0.035 χ²/NDF: 11103643.7/96



Right In: 18.562+/-19.760 χ^2/NDF: 22.8/21

Left Out: -106.099+/-13.089 χ^2/NDF:40.7/24

Right Out: 16.233+/-19.361 χ^2/NDF: 29.0/26

Left In: -88.621+/-13.566 χ^2/NDF:23.9/22

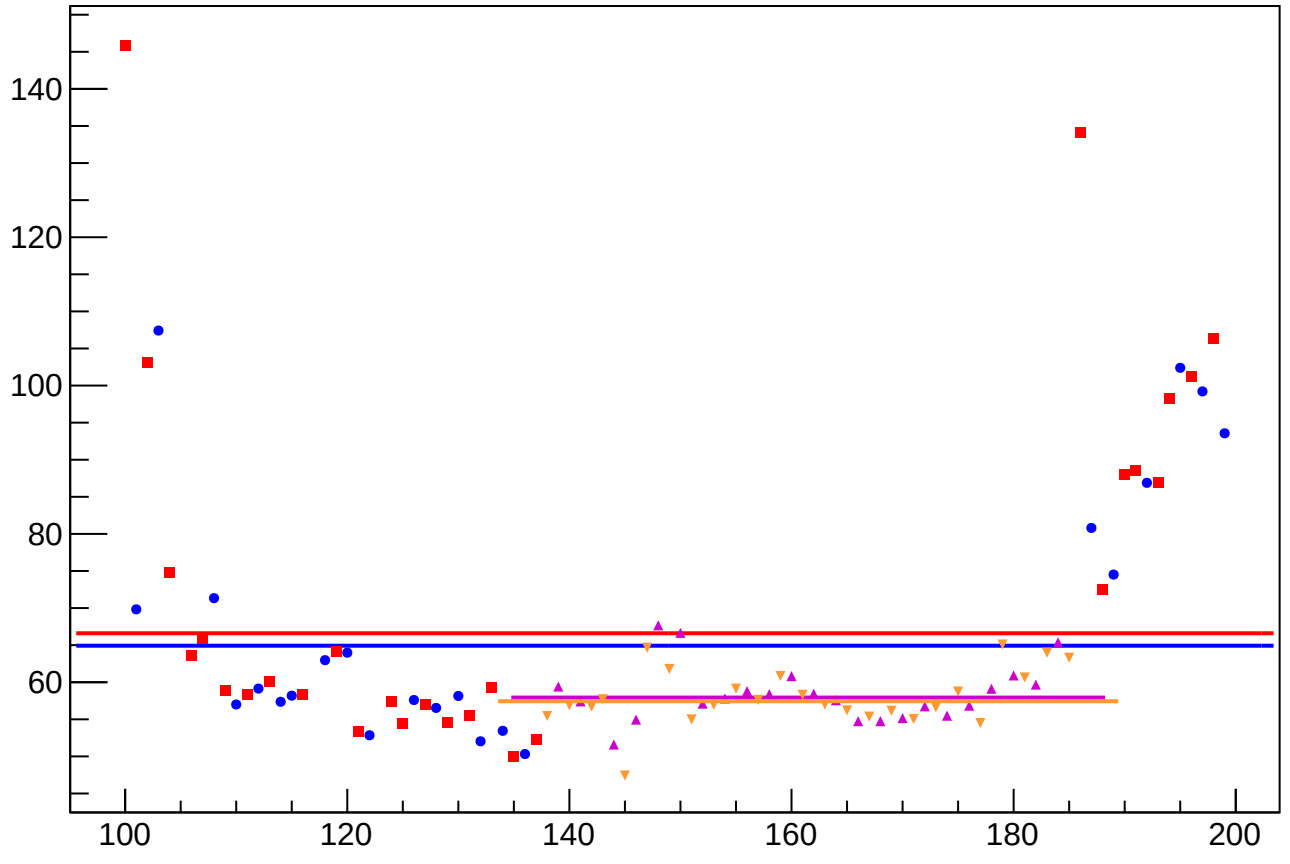
Left: -97.673+/-9.420 χ^2/NDF: 65.4/47

Right: 17.374+/-13.829 χ^2/NDF: 51.8/48

In: -54.286+/-11.184 χ^2/NDF:66.7/44

Out: -67.725+/-10.843 χ^2/NDF:97.1/51

All: -61.213+/-7.785 χ^2/NDF: 164.5/96



Right In: 64.925+/-0.014 χ^2/NDF: 1312216.2/21

Left Out: 57.440+/-0.009 χ^2/NDF:174555.9/24

Right Out: 66.602+/-0.014 χ^2/NDF: 1609935.5/26

Left In: 57.933+/-0.010 χ^2/NDF:135903.0/22

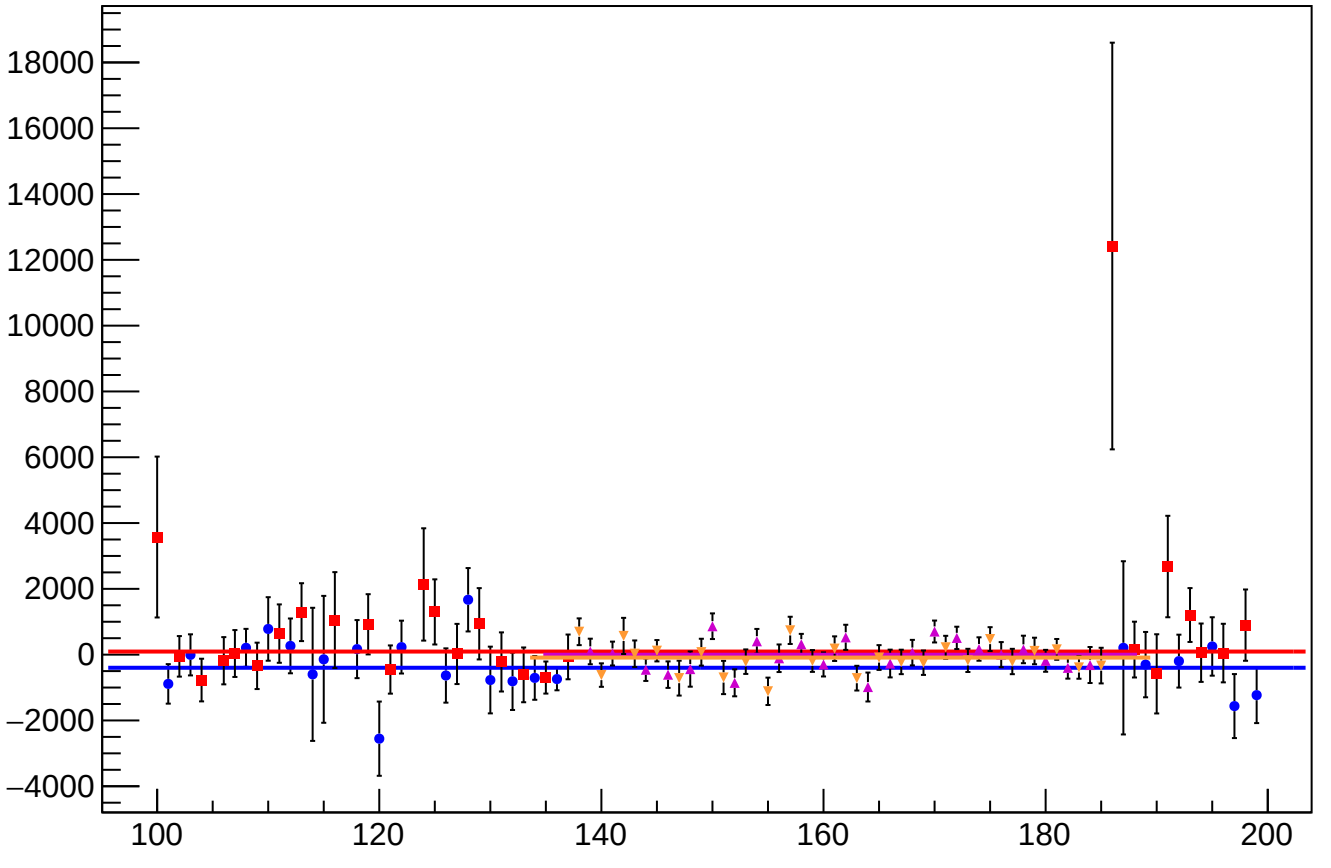
Left: 57.678+/-0.007 χ^2/NDF: 311823.9/47

Right: 65.781+/-0.010 χ^2/NDF: 2929504.0/48

In: 60.173+/-0.008 χ^2/NDF:1618330.3/44

Out: 60.314+/-0.008 χ^2/NDF:2091903.1/51

All: 60.246+/-0.006 χ^2/NDF: 3710398.9/96



Right In: -398.712+/-164.237 χ^2/NDF: 18.3/21

Left Out: -89.061+/-77.011 χ^2/NDF:29.9/24

Right Out: 93.985+/-164.280 χ^2/NDF: 25.0/26

Left In: -3.047+/-79.193 χ^2/NDF:33.6/22

Left: -47.256+/-55.210 χ^2/NDF: 64.1/47

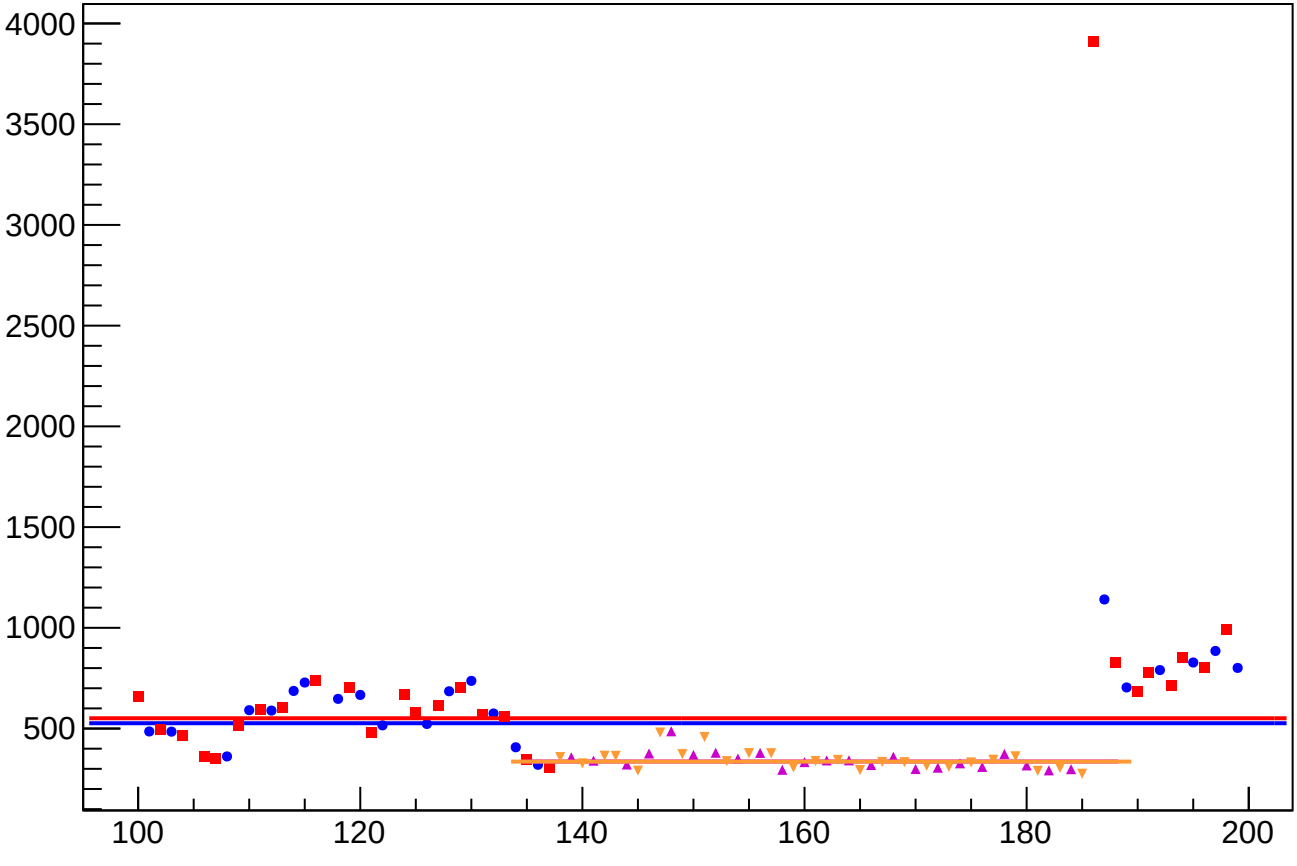
Right: -152.428+/-116.148 χ^2/NDF: 47.8/48

In: -77.687+/-71.333 χ^2/NDF:56.6/44

Out: -56.083+/-69.730 χ^2/NDF:55.9/51

All: -66.640+/-49.864 χ^2/NDF: 112.6/96

asym_sam_13_57_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 526.389+/-0.116 χ^2/NDF: 2345911.9/21

Left Out: 335.894+/-0.054 χ^2/NDF:533835.9/24

Right Out: 551.046+/-0.116 χ^2/NDF: 2823290.0/26

Left In: 336.343+/-0.056 χ^2/NDF:414205.9/22

Left: 336.112+/-0.039 χ^2/NDF: 948074.8/47

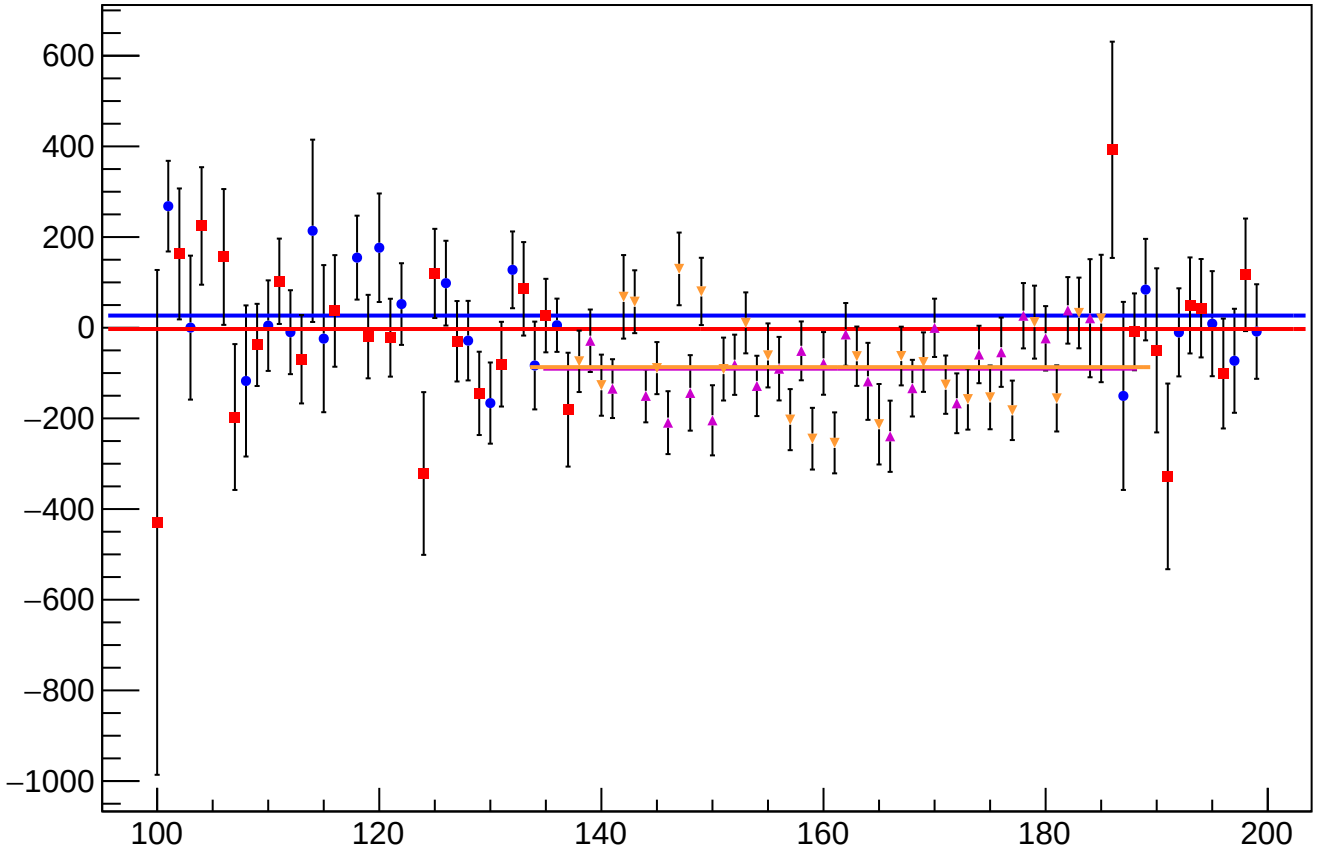
Right: 538.714+/-0.082 χ^2/NDF: 5191734.0/48

In: 372.194+/-0.050 χ^2/NDF:4932911.6/44

Out: 374.656+/-0.049 χ^2/NDF:6169513.7/51

All: 373.453+/-0.035 χ^2/NDF: 11103643.7/96

dit_asym_sam_13_57_dd_mean vs Slug, Sign Corrected



Right In: 26.804+/-21.712 χ^2/NDF: 21.8/21

Left Out: -86.957+/-14.175 χ^2/NDF:48.8/24

Right Out: -2.821+/-21.441 χ^2/NDF: 27.7/26

Left In: -90.363+/-14.656 χ^2/NDF:25.0/22

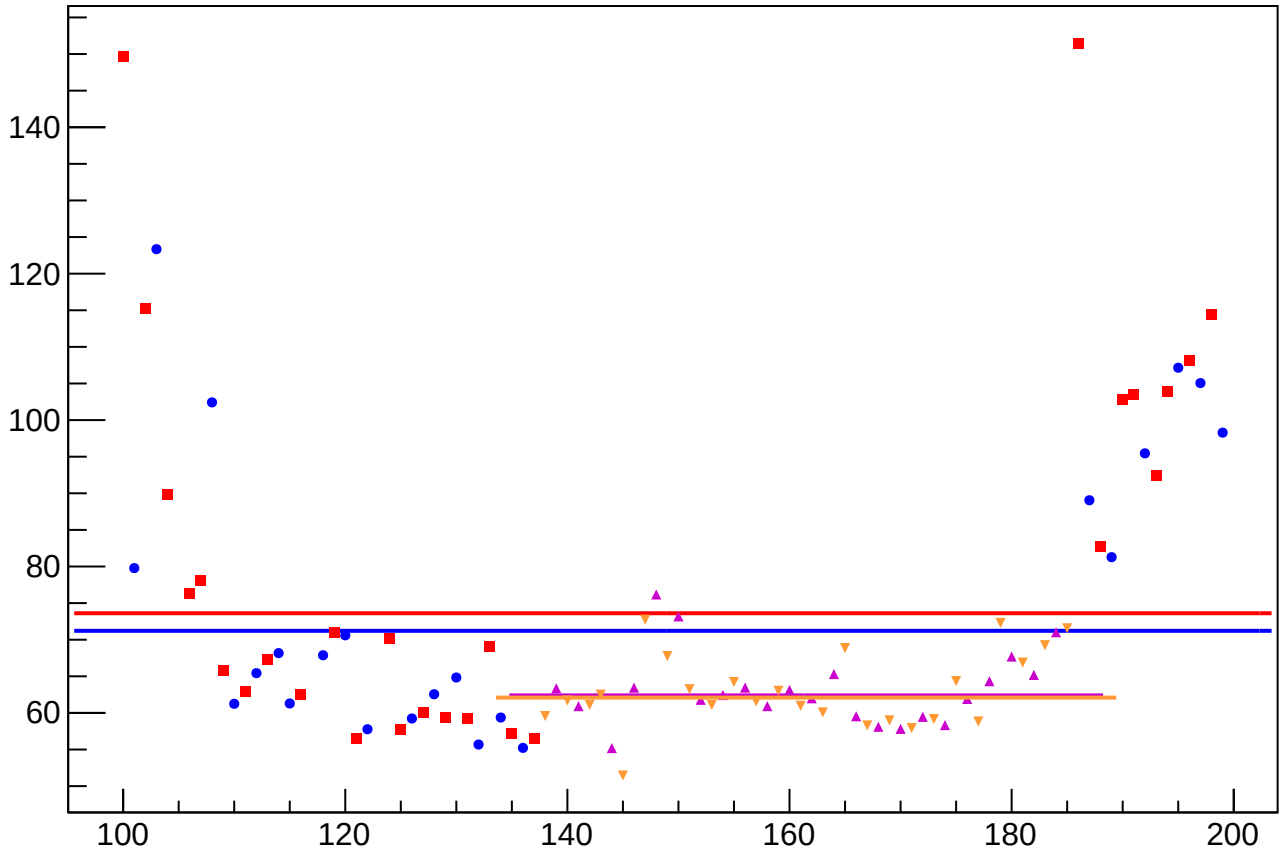
Left: -88.603+/-10.189 χ^2/NDF: 73.9/47

Right: 11.805+/-15.256 χ^2/NDF: 50.5/48

In: -53.687+/-12.148 χ^2/NDF:66.9/44

Out: -61.369+/-11.824 χ^2/NDF:87.2/51

All: -57.631+/-8.473 χ^2/NDF: 154.3/96



Right In: 71.216+/-0.015 χ^2/NDF: 1347538.5/21

Left Out: 62.093+/-0.010 χ^2/NDF:233343.0/24

Right Out: 73.616+/-0.015 χ^2/NDF: 1631702.6/26

Left In: 62.395+/-0.010 χ^2/NDF:188814.3/22

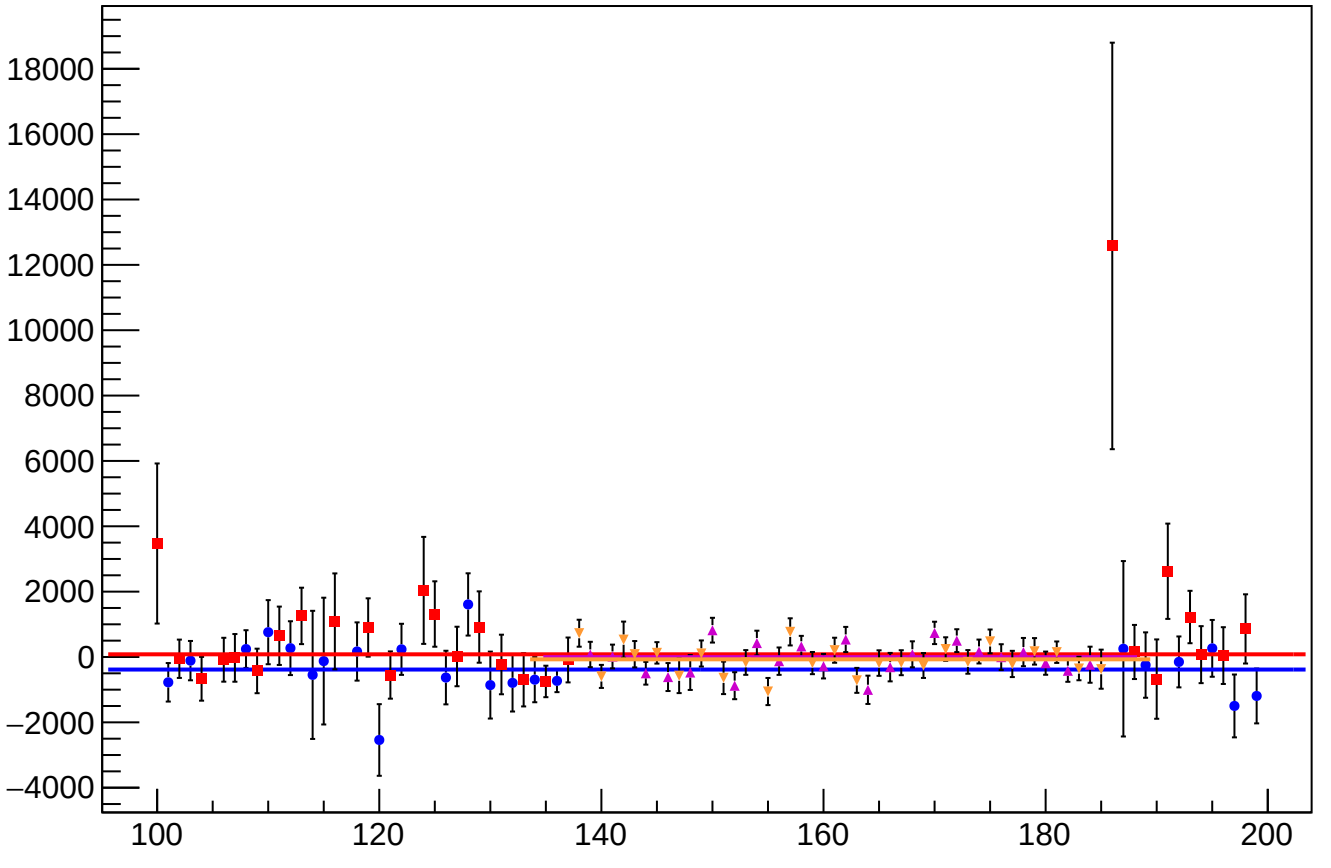
Left: 62.239+/-0.007 χ^2/NDF: 422596.0/47

Right: 72.431+/-0.011 χ^2/NDF: 2991612.9/48

In: 65.156+/-0.009 χ^2/NDF:1763094.4/44

Out: 65.597+/-0.008 χ^2/NDF:2266973.1/51

All: 65.383+/-0.006 χ^2/NDF: 4031422.9/96



Right In: -384.278+/-163.605 χ^2/NDF: 17.8/21

Left Out: -71.324+/-78.399 χ^2/NDF:28.6/24

Right Out: 81.944+/-162.102 χ^2/NDF: 25.8/26

Left In: -6.134+/-80.760 χ^2/NDF:34.0/22

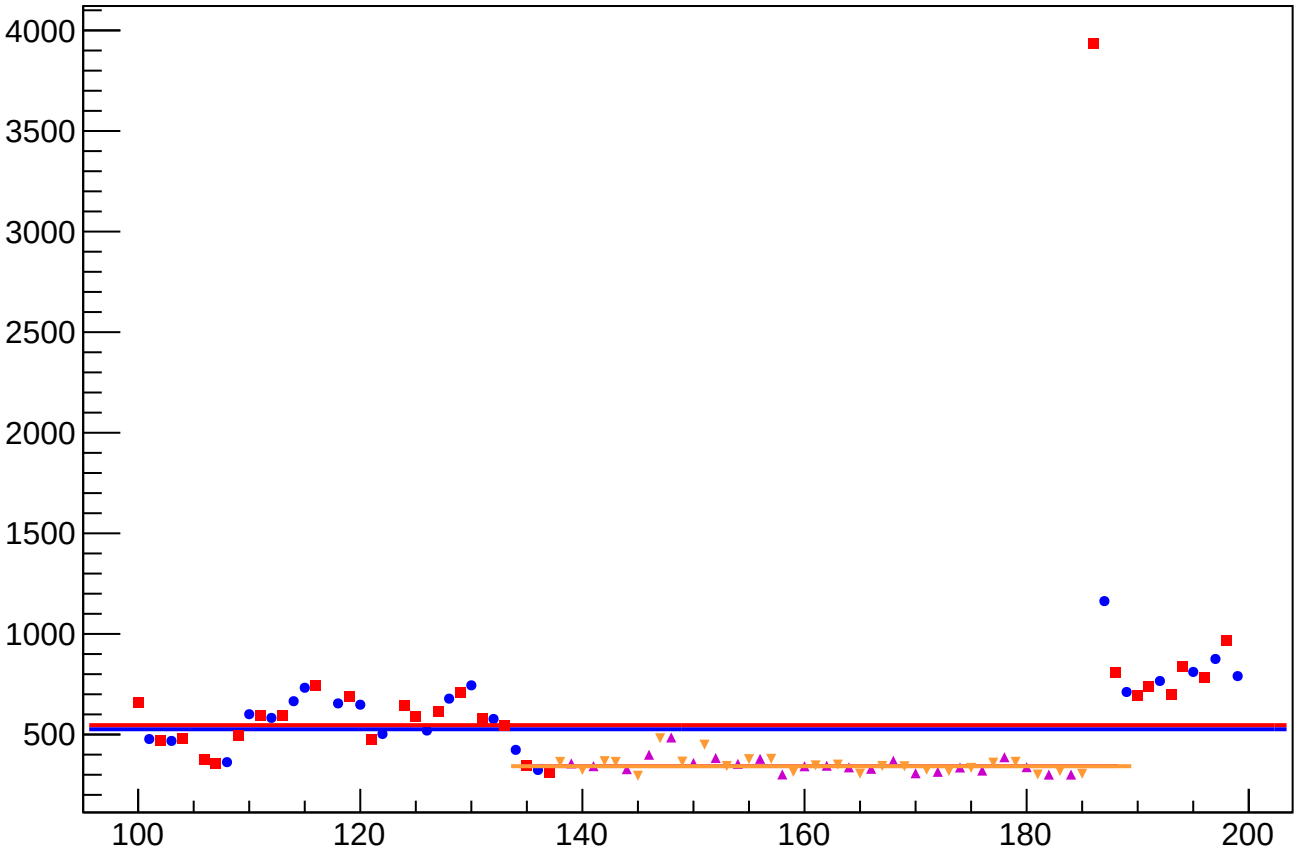
Left: -39.696+/-56.253 χ^2/NDF: 62.9/47

Right: -149.016+/-115.151 χ^2/NDF: 47.8/48

In: -80.222+/-72.418 χ^2/NDF:56.1/44

Out: -42.270+/-70.578 χ^2/NDF:55.1/51

All: -60.758+/-50.544 χ^2/NDF: 111.4/96



Right In: 526.170+/-0.116 χ^2/NDF: 2244278.3/21

Left Out: 342.502+/-0.055 χ^2/NDF:434208.3/24

Right Out: 546.566+/-0.115 χ^2/NDF: 2728275.3/26

Left In: 343.245+/-0.057 χ^2/NDF:372991.6/22

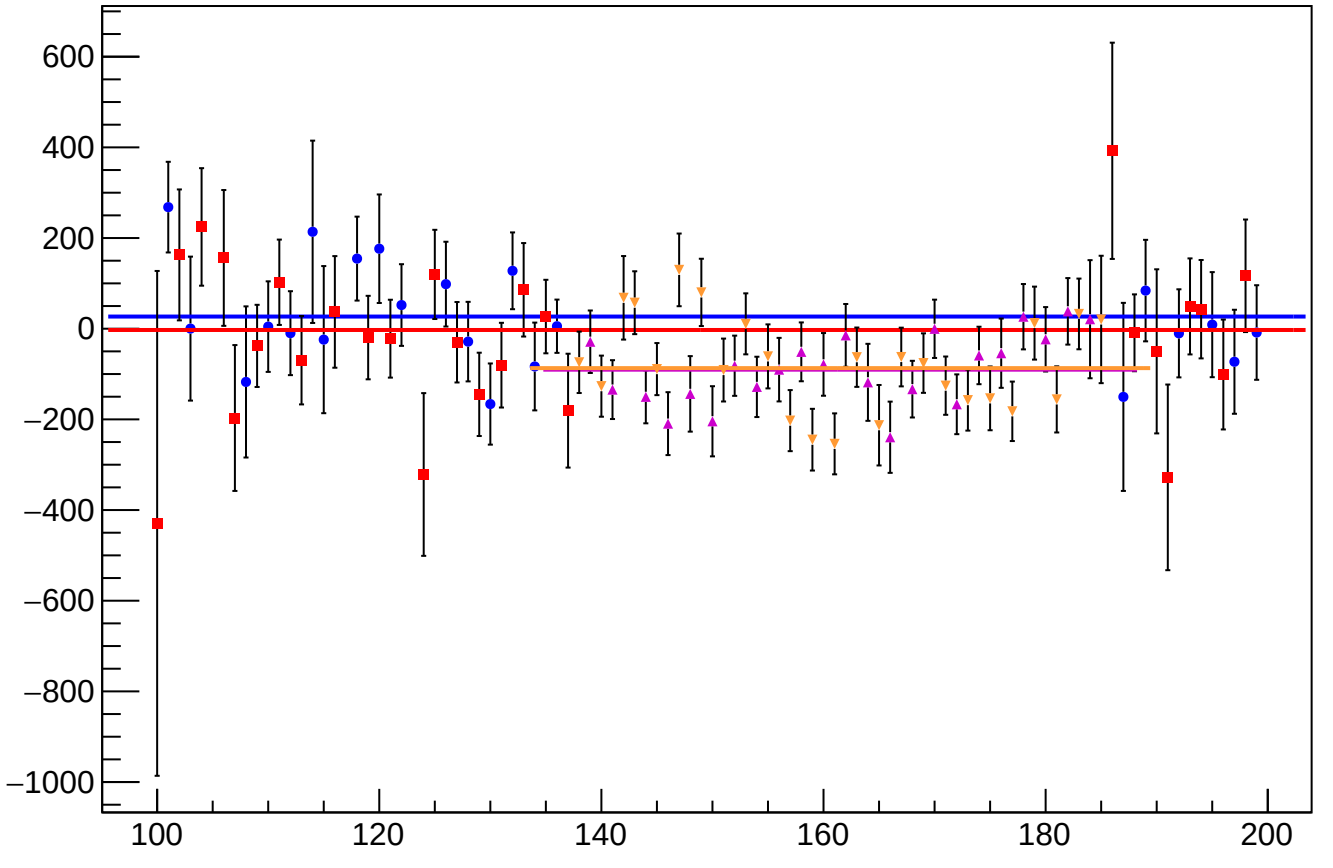
Left: 342.863+/-0.040 χ^2/NDF: 807286.9/47

Right: 536.462+/-0.081 χ^2/NDF: 4988238.3/48

In: 379.085+/-0.051 χ^2/NDF:4627652.7/44

Out: 381.186+/-0.050 χ^2/NDF:5731099.7/51

All: 380.162+/-0.036 χ^2/NDF: 10359616.1/96



Right In: 26.804+/-21.712 χ^2/NDF: 21.8/21

Left Out: -86.957+/-14.175 χ^2/NDF:48.8/24

Right Out: -2.821+/-21.441 χ^2/NDF: 27.7/26

Left In: -90.363+/-14.656 χ^2/NDF:25.0/22

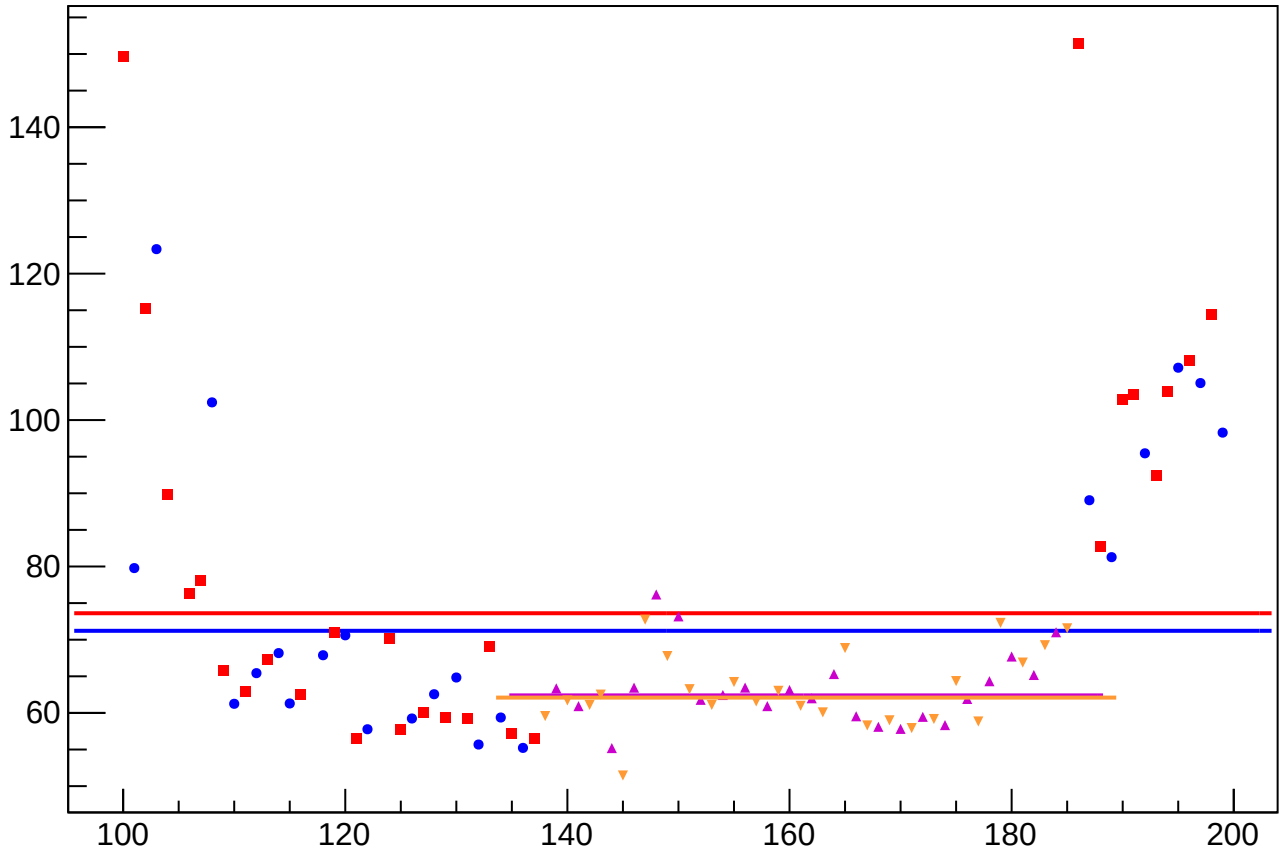
Left: -88.603+/-10.189 χ^2/NDF: 73.9/47

Right: 11.805+/-15.256 χ^2/NDF: 50.5/48

In: -53.686+/-12.148 χ^2/NDF:66.9/44

Out: -61.368+/-11.824 χ^2/NDF:87.2/51

All: -57.631+/-8.473 χ^2/NDF: 154.3/96



Right In: 71.215+/-0.015 χ^2/NDF: 1347559.7/21

Left Out: 62.093+/-0.010 χ^2/NDF:233347.2/24

Right Out: 73.615+/-0.015 χ^2/NDF: 1631703.9/26

Left In: 62.395+/-0.010 χ^2/NDF:188817.4/22

Left: 62.239+/-0.007 χ^2/NDF: 422603.3/47

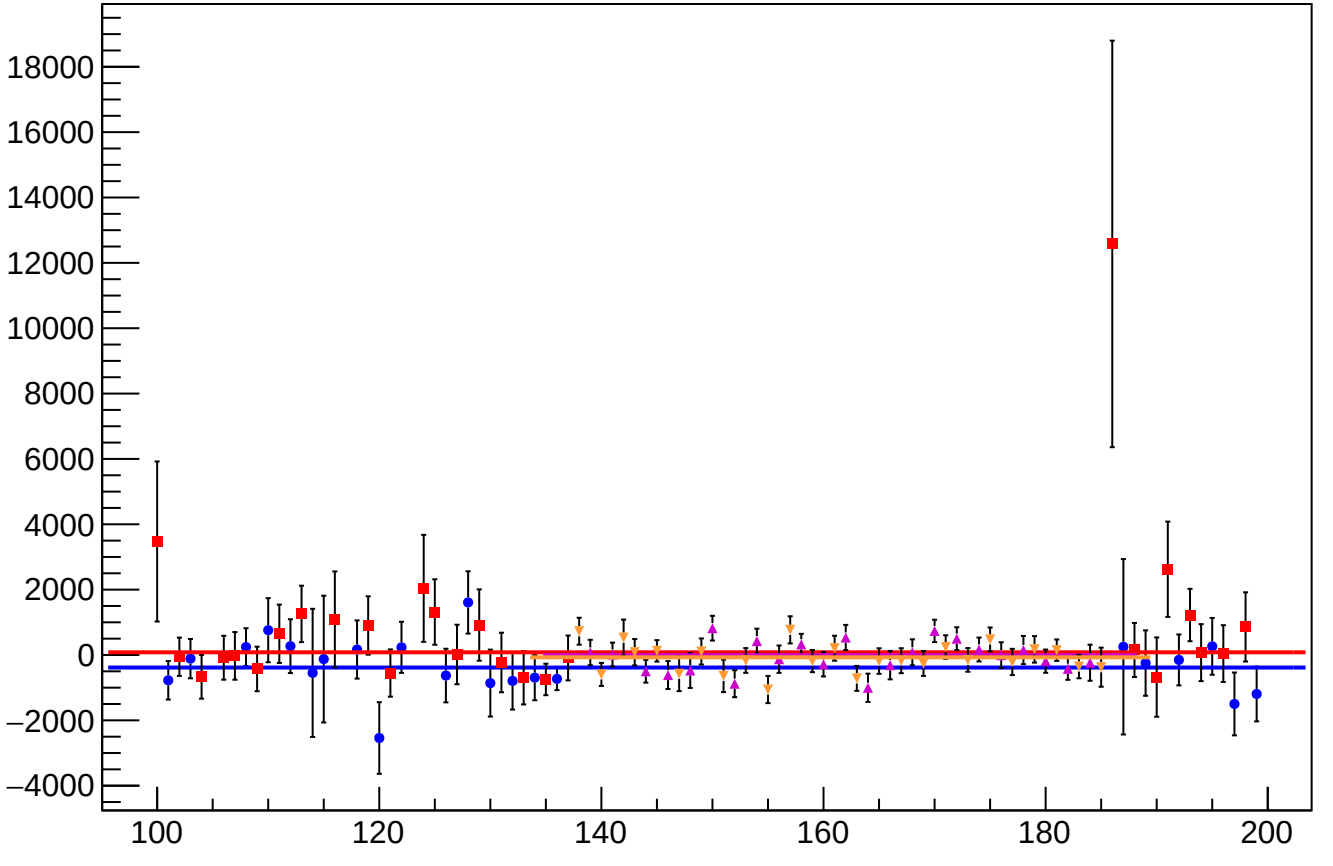
Right: 72.431+/-0.011 χ^2/NDF: 2991635.5/48

In: 65.156+/-0.009 χ^2/NDF:1763113.3/44

Out: 65.597+/-0.008 χ^2/NDF:2266974.0/51

All: 65.383+/-0.006 χ^2/NDF: 4031442.6/96

asym_sam_13_57_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -384.277+/-163.605 χ^2/NDF: 17.8/21

Left Out: -71.324+/-78.399 χ^2/NDF:28.6/24

Right Out: 81.944+/-162.102 χ^2/NDF: 25.8/26

Left In: -6.134+/-80.760 χ^2/NDF:34.0/22

Left: -39.696+/-56.253 χ^2/NDF: 62.9/47

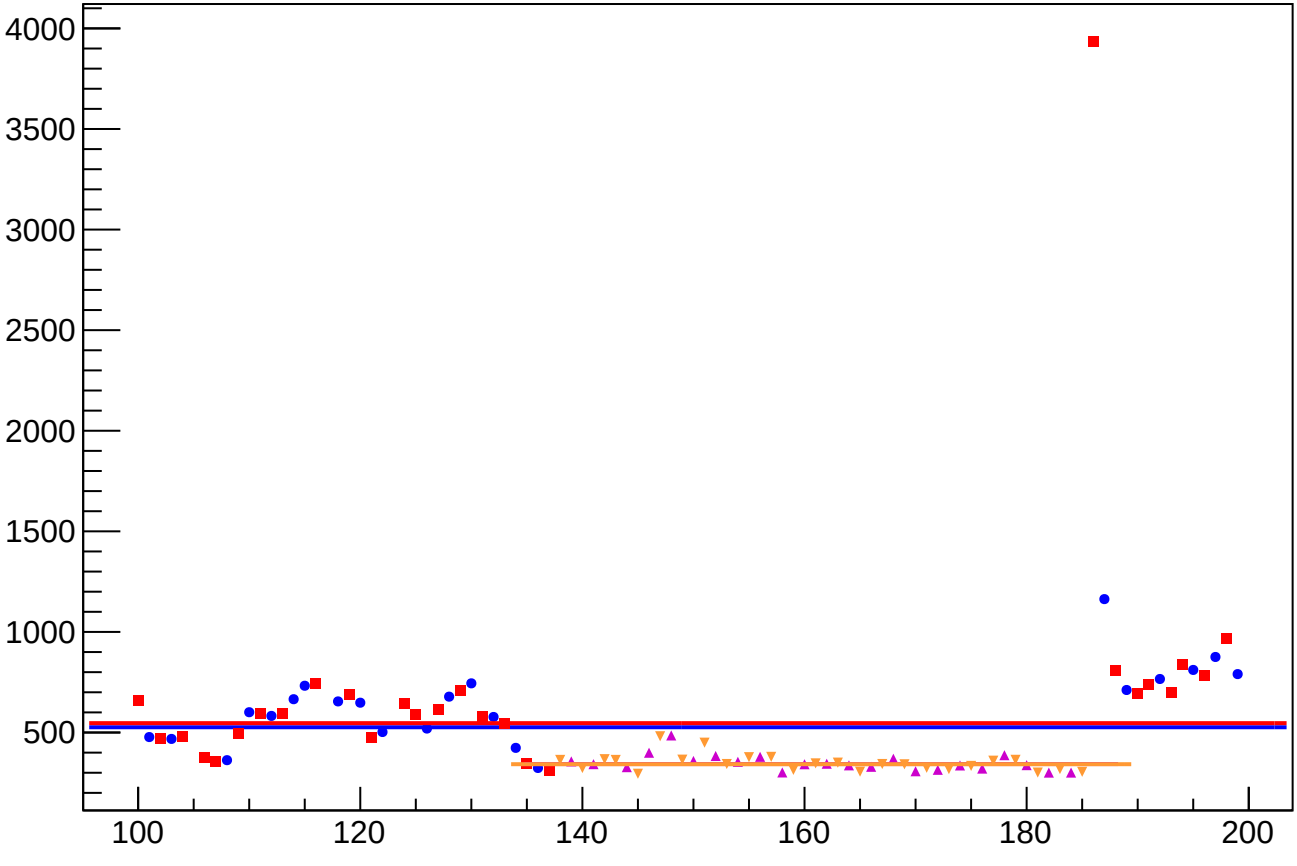
Right: -149.016+/-115.151 χ^2/NDF: 47.8/48

In: -80.223+/-72.418 χ^2/NDF:56.1/44

Out: -42.269+/-70.578 χ^2/NDF:55.1/51

All: -60.758+/-50.544 χ^2/NDF: 111.4/96

asym_sam_13_57_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 526.169+/-0.116 χ^2/NDF: 2244281.0/21

Left Out: 342.502+/-0.055 χ^2/NDF:434210.5/24

Right Out: 546.565+/-0.115 χ^2/NDF: 2728279.8/26

Left In: 343.245+/-0.057 χ^2/NDF:372993.5/22

Left: 342.863+/-0.040 χ^2/NDF: 807291.0/47

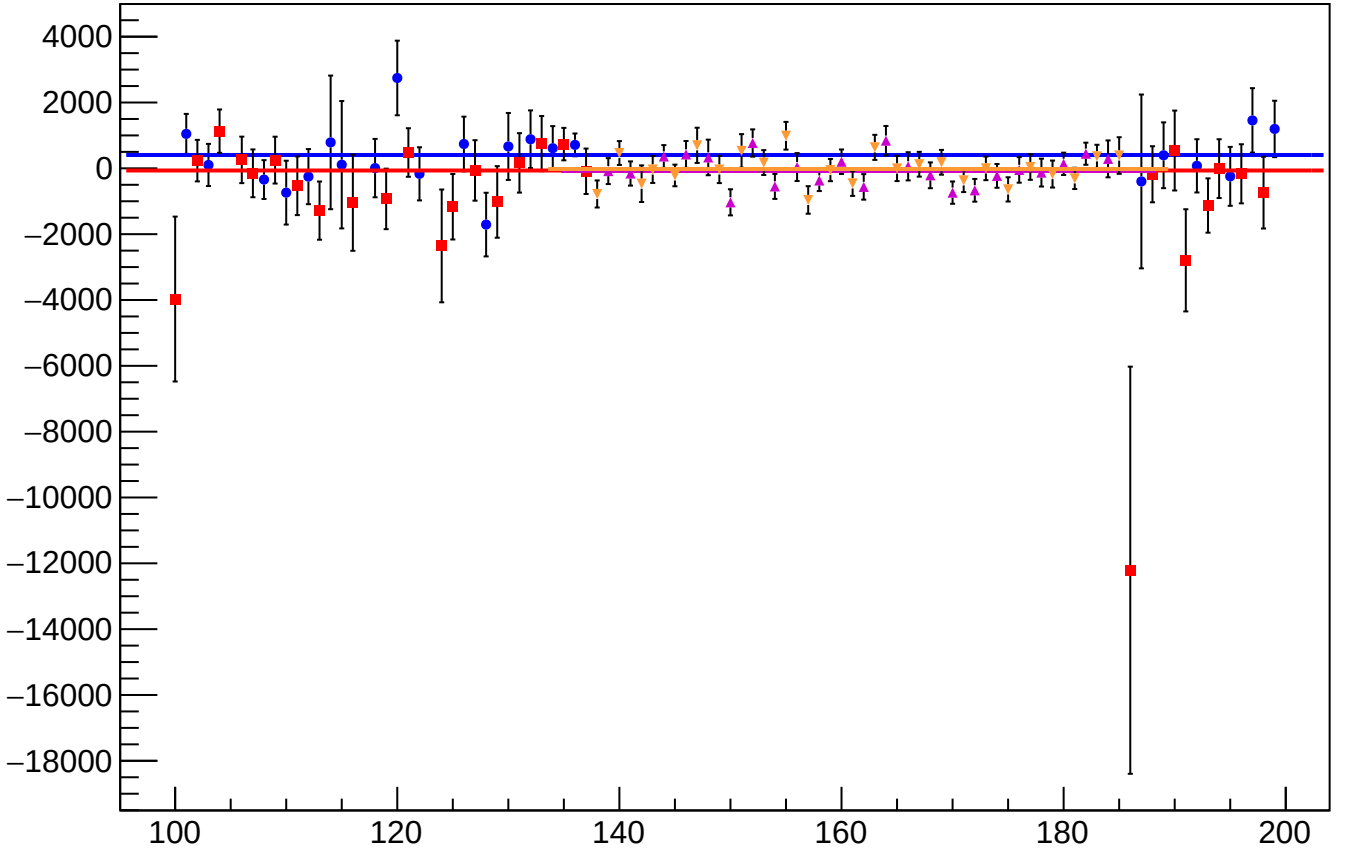
Right: 536.461+/-0.081 χ^2/NDF: 4988245.3/48

In: 379.085+/-0.051 χ^2/NDF:4627643.9/44

Out: 381.186+/-0.050 χ^2/NDF:5731091.7/51

All: 380.162+/-0.036 χ^2/NDF: 10359599.2/96

asym_sam_13_57_dd_mean vs Slug, Sign Corrected



Right In: 405.693+/-165.972 χ^2/NDF: 19.0/21

Left Out: -20.272+/-78.196 χ^2/NDF:31.4/24

Right Out: -65.579+/-165.656 χ^2/NDF: 27.1/26

Left In: -78.719+/-80.410 χ^2/NDF:32.9/22

Left: -48.680+/-56.059 χ^2/NDF: 64.6/47

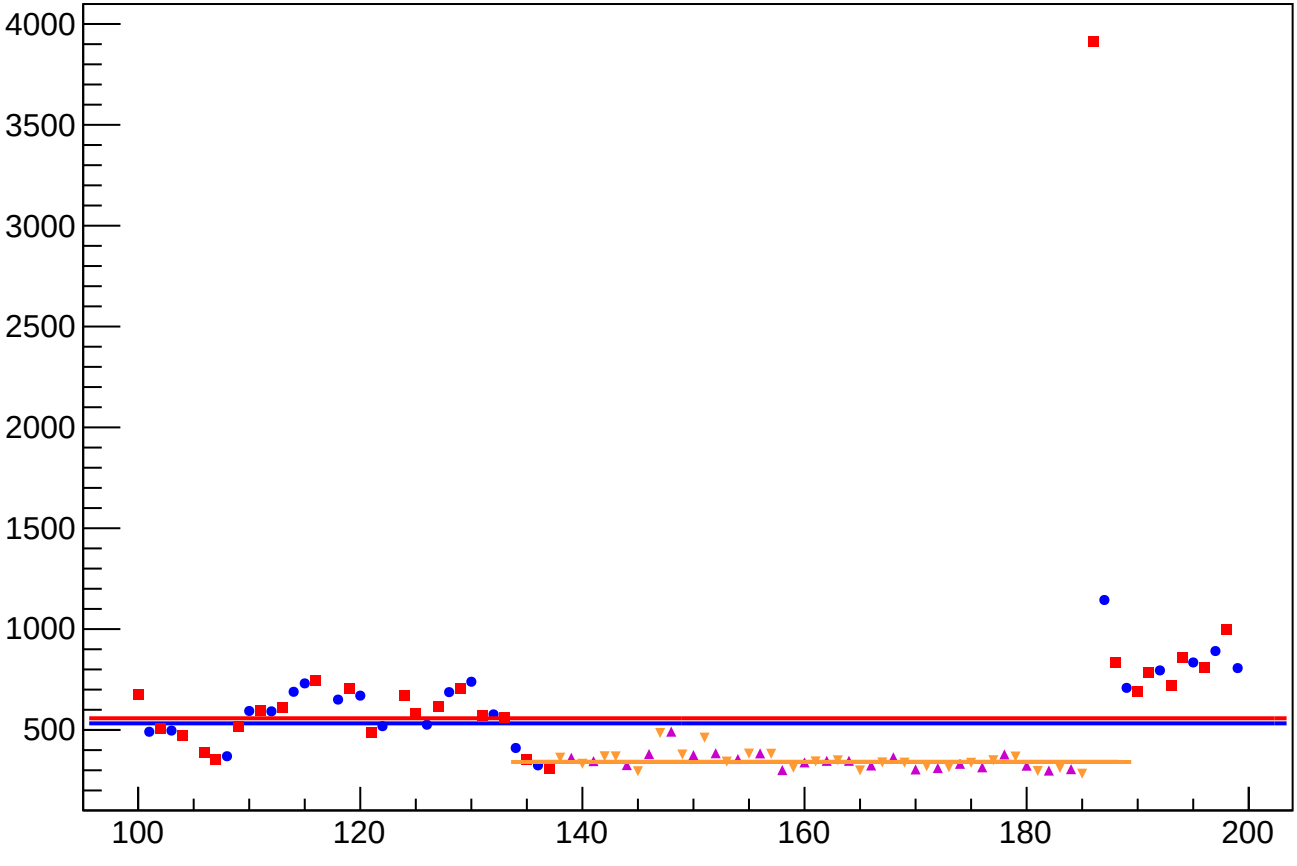
Right: 169.608+/-117.248 χ^2/NDF: 50.1/48

In: 13.368+/-72.365 χ^2/NDF:58.8/44

Out: -28.528+/-70.714 χ^2/NDF:58.7/51

All: -8.064+/-50.576 χ^2/NDF: 117.6/96

asym_sam_13_57_dd_rms vs Slug, Sign Corrected



Right In: 532.643+/-0.117 χ^2/NDF: 2294776.4/21

Left Out: 341.199+/-0.055 χ^2/NDF:510854.5/24

Right Out: 557.832+/-0.117 χ^2/NDF: 2751869.1/26

Left In: 341.622+/-0.057 χ^2/NDF:396885.0/22

Left: 341.405+/-0.040 χ^2/NDF: 907768.0/47

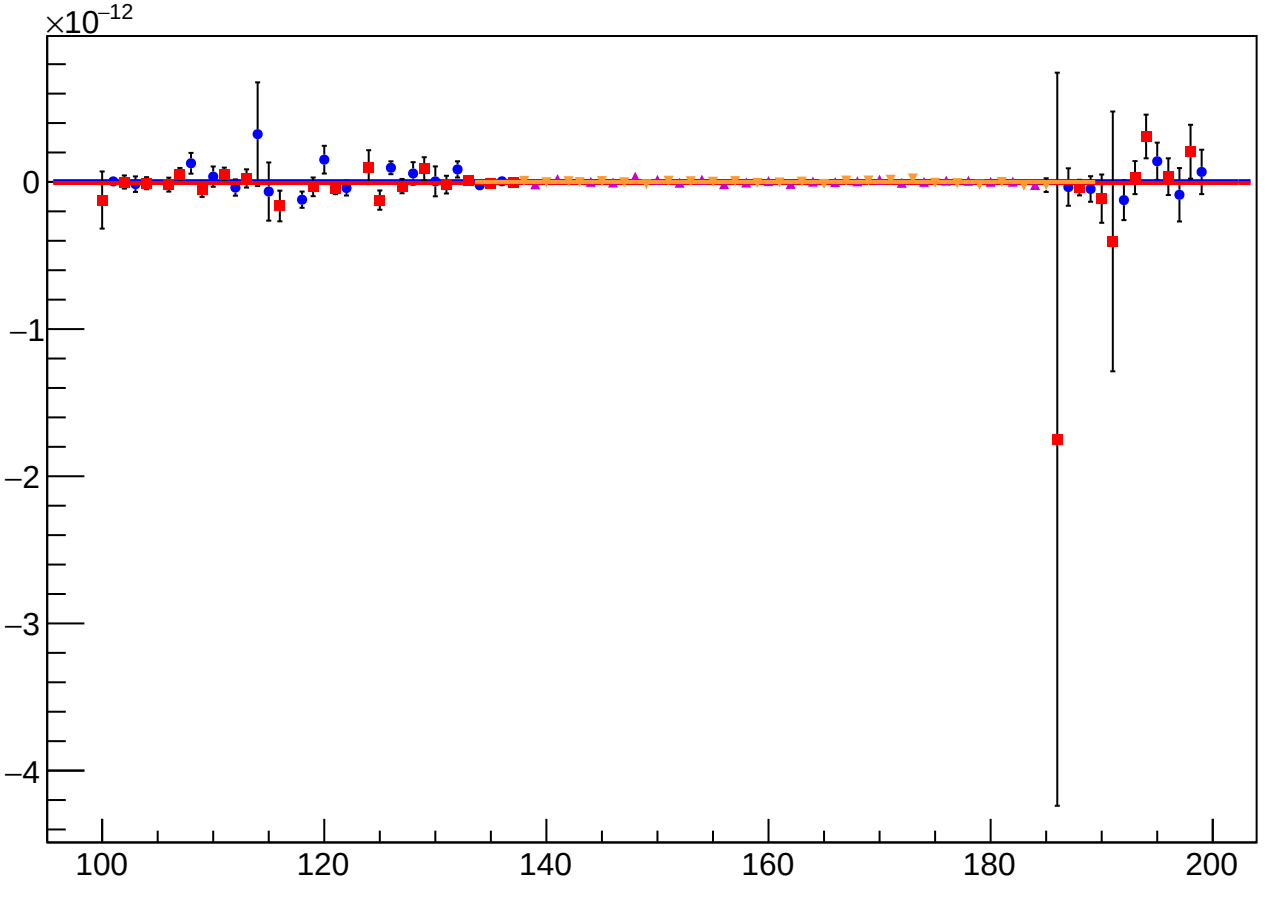
Right: 545.262+/-0.083 χ^2/NDF: 5069723.2/48

In: 377.935+/-0.051 χ^2/NDF:4837277.8/44

Out: 380.674+/-0.050 χ^2/NDF:6059795.8/51

All: 379.336+/-0.036 χ^2/NDF: 10898538.6/96

asym_sam_13_57_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 24.1/21

Left Out: -0.000+/-0.000 χ^2/NDF:19.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 21.6/26

Left In: 0.000+/-0.000 χ^2/NDF:14.4/22

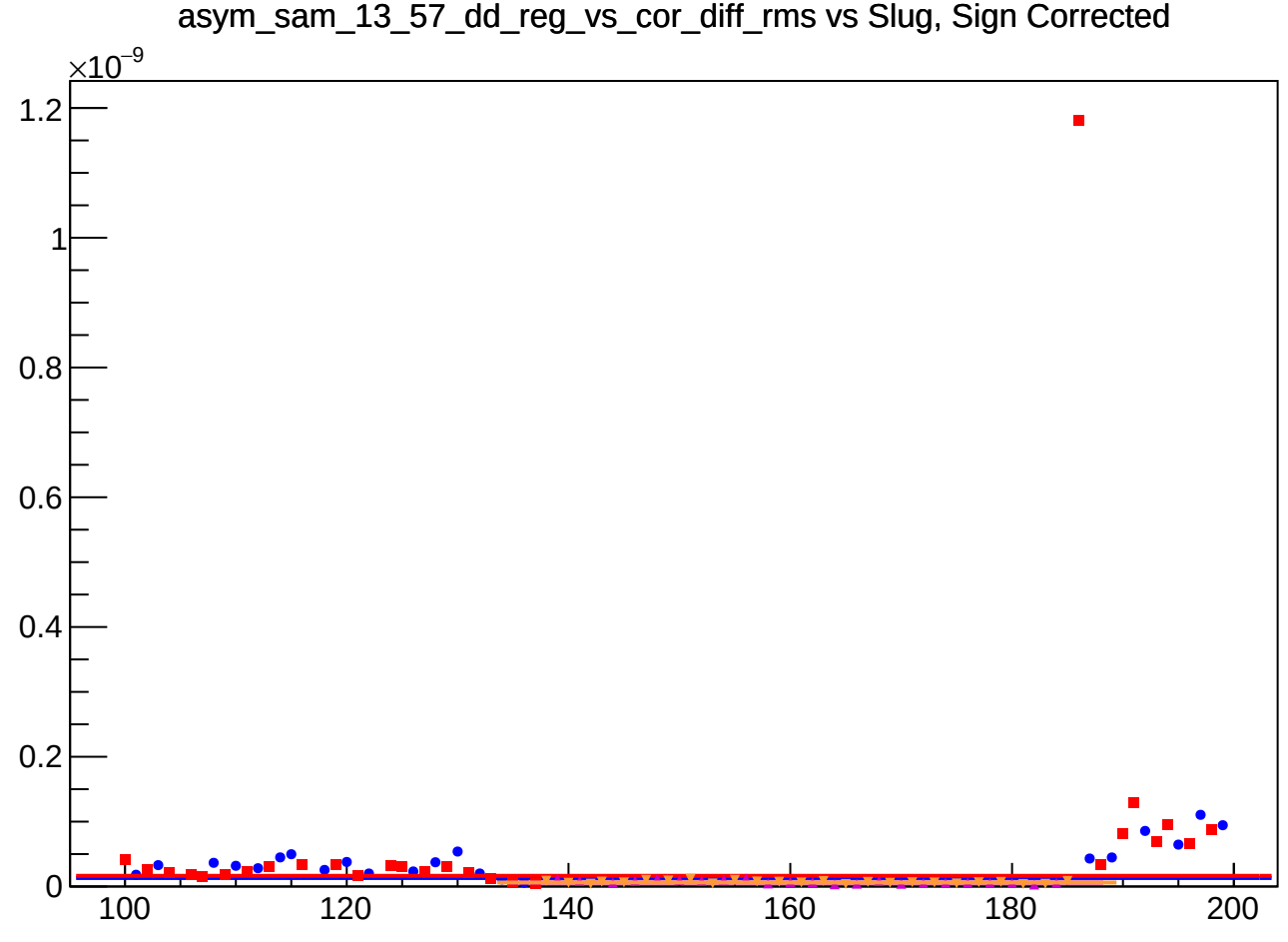
Left: 0.000+/-0.000 χ^2/NDF: 34.2/47

Right: -0.000+/-0.000 χ^2/NDF: 46.7/48

In: 0.000+/-0.000 χ^2/NDF:38.6/44

Out: -0.000+/-0.000 χ^2/NDF:41.3/51

All: 0.000+/-0.000 χ^2/NDF: 80.9/96



Right In: 0.000+/-0.000 χ^2/NDF: 5331636.3/21

Left Out: 0.000+/-0.000 χ^2/NDF:1159883.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4498468.0/26

Left In: 0.000+/-0.000 χ^2/NDF:1660677.6/22

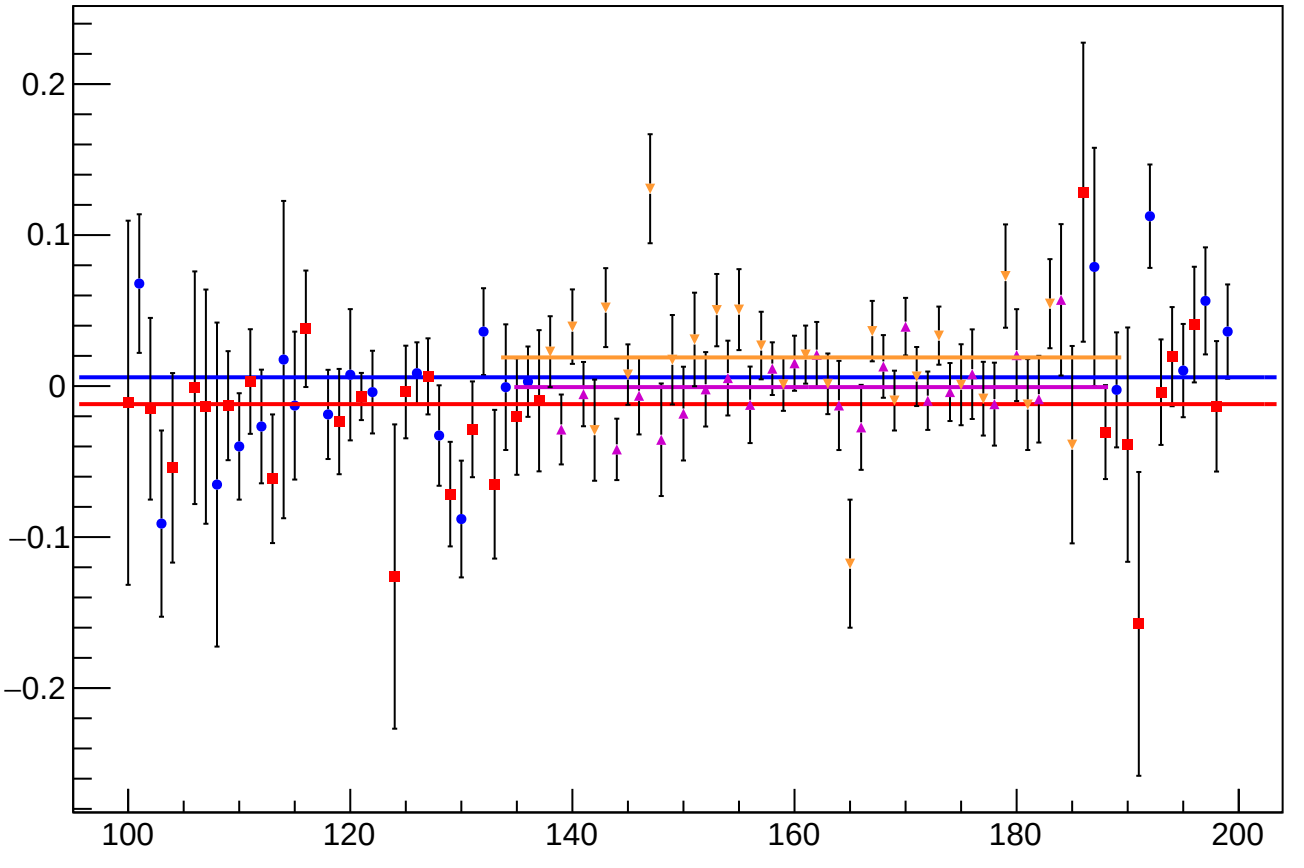
Left: 0.000+/-0.000 χ^2/NDF: 2824480.5/47

Right: 0.000+/-0.000 χ^2/NDF: 9979795.5/48

In: 0.000+/-0.000 χ^2/NDF:8437973.4/44

Out: 0.000+/-0.000 χ^2/NDF:8066434.8/51

All: 0.000+/-0.000 χ^2/NDF: 16512005.5/96



Right In: 0.006+/-0.007 χ^2/NDF: 30.2/21

Left Out: 0.019+/-0.005 χ^2/NDF:41.2/24

Right Out: -0.012+/-0.007 χ^2/NDF: 17.7/26

Left In: -0.001+/-0.005 χ^2/NDF:17.7/22

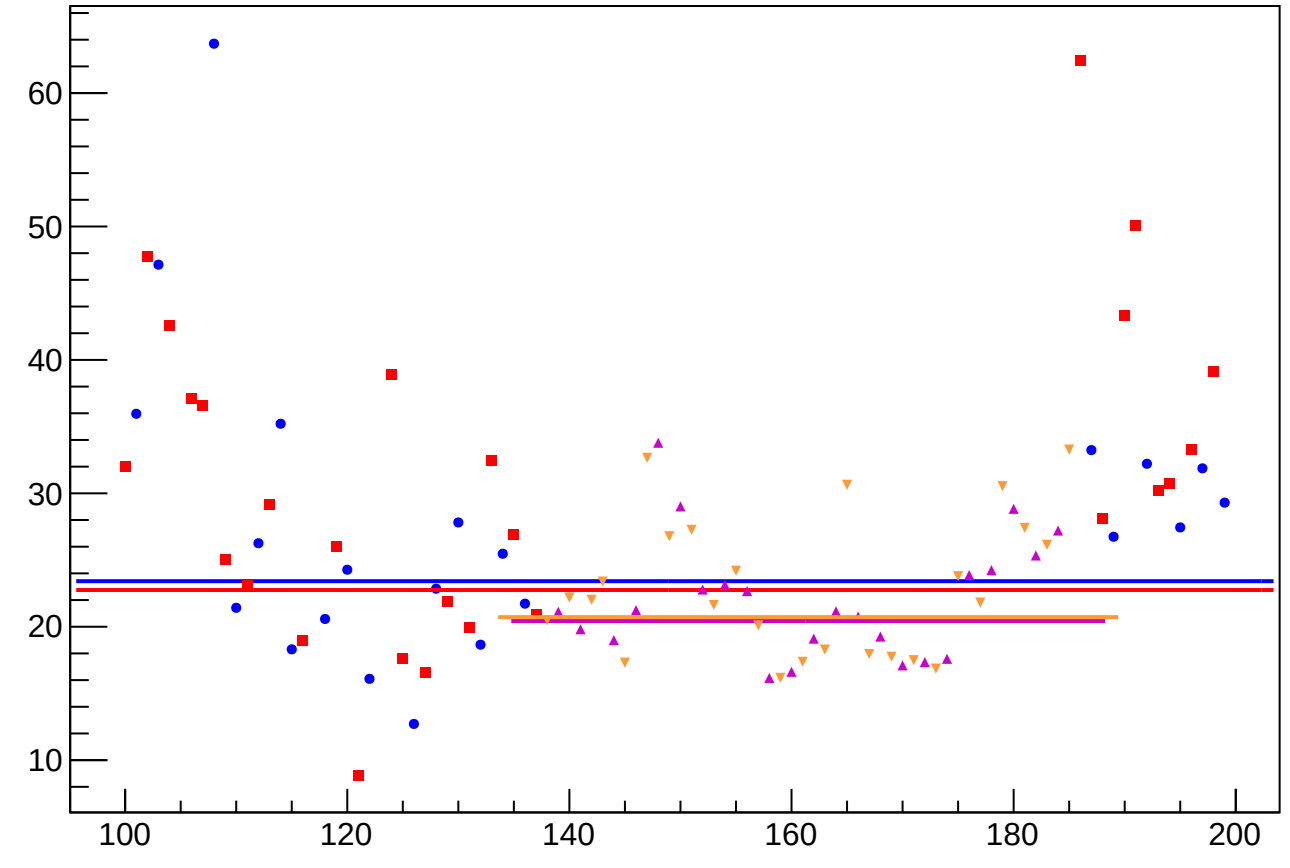
Left: 0.009+/-0.003 χ^2/NDF: 66.9/47

Right: -0.003+/-0.005 χ^2/NDF: 50.8/48

In: 0.001+/-0.004 χ^2/NDF:48.4/44

Out: 0.009+/-0.004 χ^2/NDF:71.4/51

All: 0.005+/-0.003 χ^2/NDF: 121.7/96



Right In: 23.415+/-0.005 χ^2/NDF: 1996415.6/21

Left Out: 20.718+/-0.003 χ^2/NDF:1506374.1/24

Right Out: 22.752+/-0.005 χ^2/NDF: 4031169.1/26

Left In: 20.429+/-0.003 χ^2/NDF:1173949.1/22

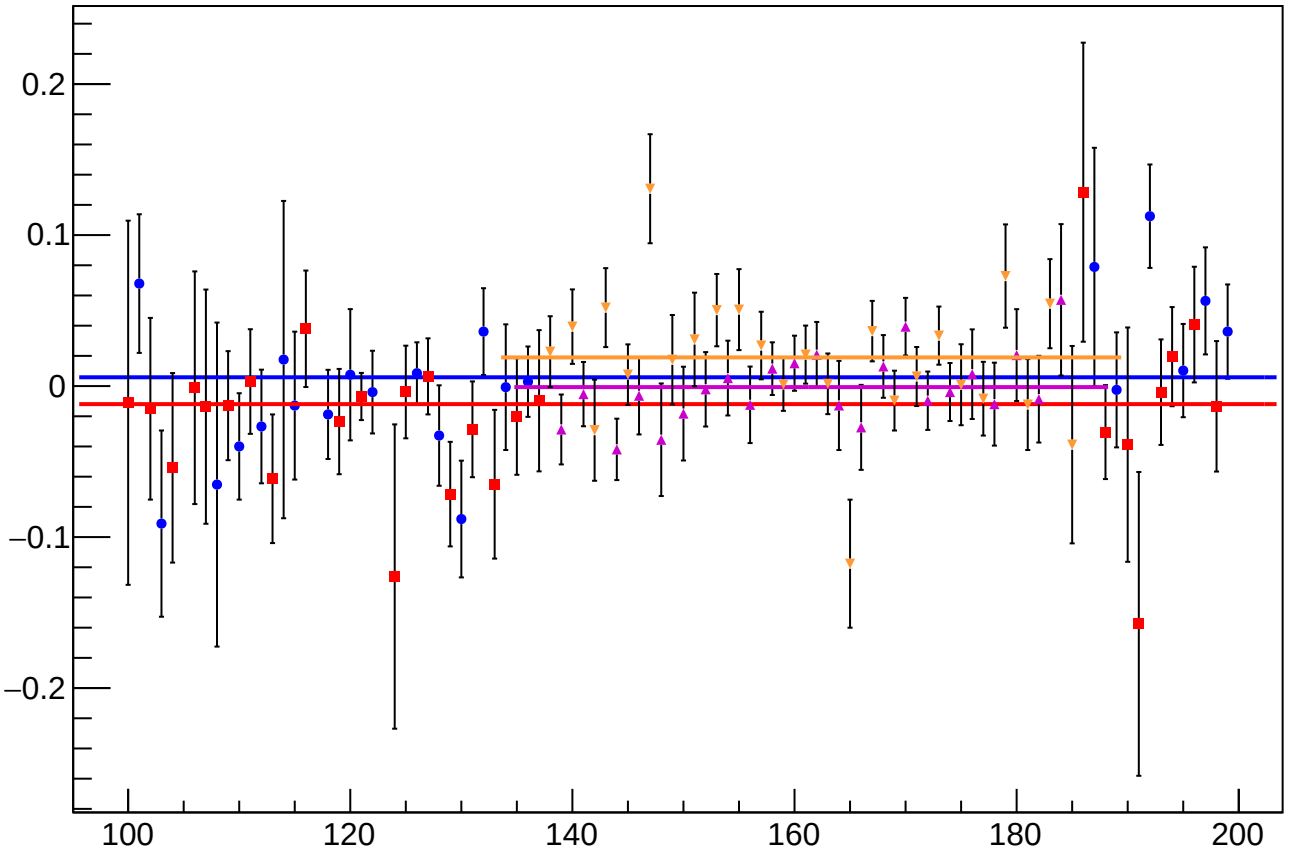
Left: 20.575+/-0.002 χ^2/NDF: 2683801.2/47

Right: 23.073+/-0.004 χ^2/NDF: 6035742.7/48

In: 21.340+/-0.003 χ^2/NDF:3393659.9/44

Out: 21.353+/-0.003 χ^2/NDF:5646484.2/51

All: 21.347+/-0.002 χ^2/NDF: 9040154.8/96



Right In: 0.006+/-0.007 χ^2/NDF: 30.2/21

Left Out: 0.019+/-0.005 χ^2/NDF:41.2/24

Right Out: -0.012+/-0.007 χ^2/NDF: 17.7/26

Left In: -0.001+/-0.005 χ^2/NDF:17.7/22

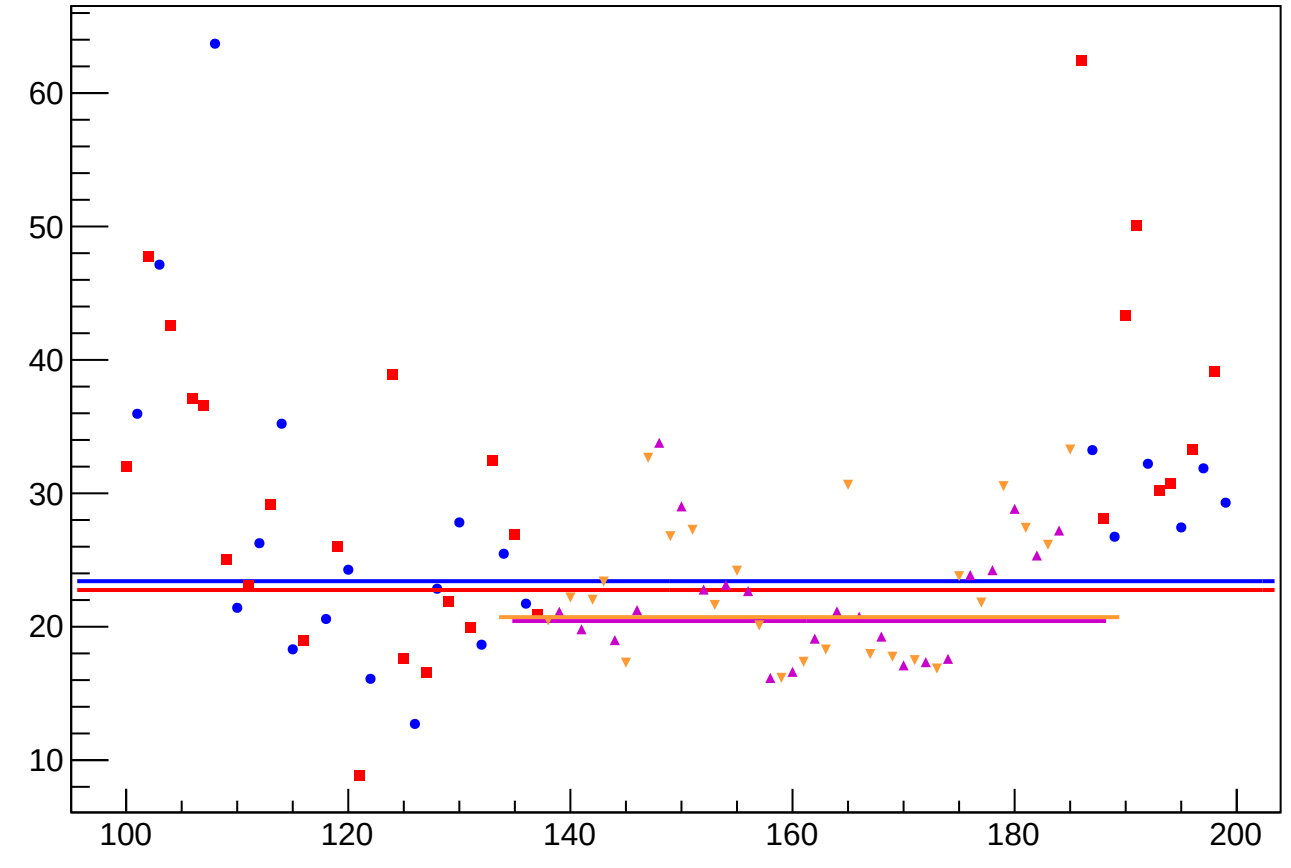
Left: 0.009+/-0.003 χ^2/NDF: 66.9/47

Right: -0.003+/-0.005 χ^2/NDF: 50.8/48

In: 0.001+/-0.004 χ^2/NDF:48.4/44

Out: 0.009+/-0.004 χ^2/NDF:71.4/51

All: 0.005+/-0.003 χ^2/NDF: 121.7/96



Right In: 23.415+/-0.005 χ^2/NDF: 1996415.6/21

Left Out: 20.718+/-0.003 χ^2/NDF:1506374.1/24

Right Out: 22.752+/-0.005 χ^2/NDF: 4031169.1/26

Left In: 20.429+/-0.003 χ^2/NDF:1173949.1/22

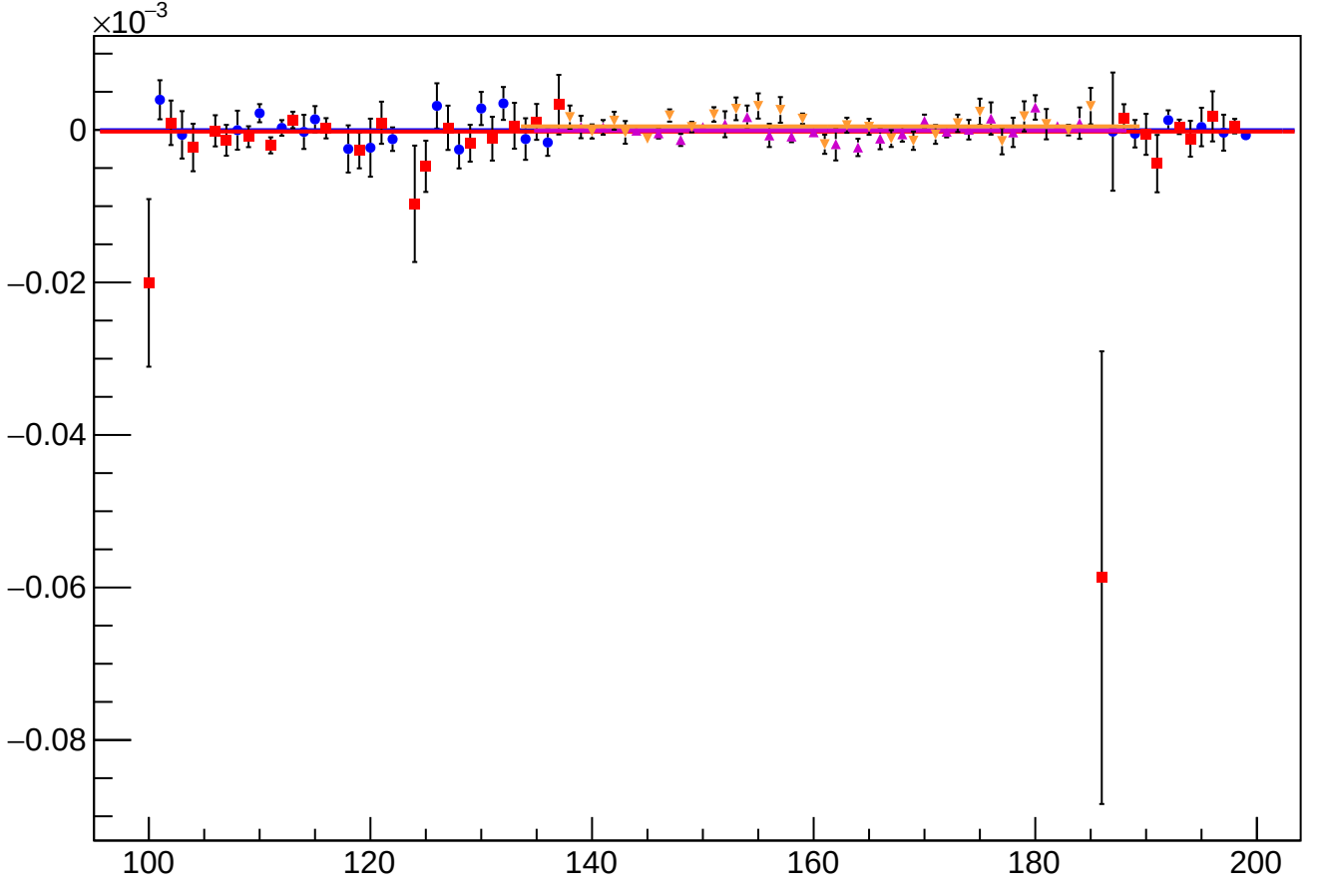
Left: 20.575+/-0.002 χ^2/NDF: 2683801.2/47

Right: 23.073+/-0.004 χ^2/NDF: 6035742.7/48

In: 21.340+/-0.003 χ^2/NDF:3393659.9/44

Out: 21.353+/-0.003 χ^2/NDF:5646484.2/51

All: 21.347+/-0.002 χ^2/NDF: 9040154.8/96



Right In: -0.000+/-0.000 χ^2/NDF: 19.2/21

Left Out: 0.000+/-0.000 χ^2/NDF:36.7/24

Right Out: -0.000+/-0.000 χ^2/NDF: 23.4/26

Left In: -0.000+/-0.000 χ^2/NDF:19.5/22

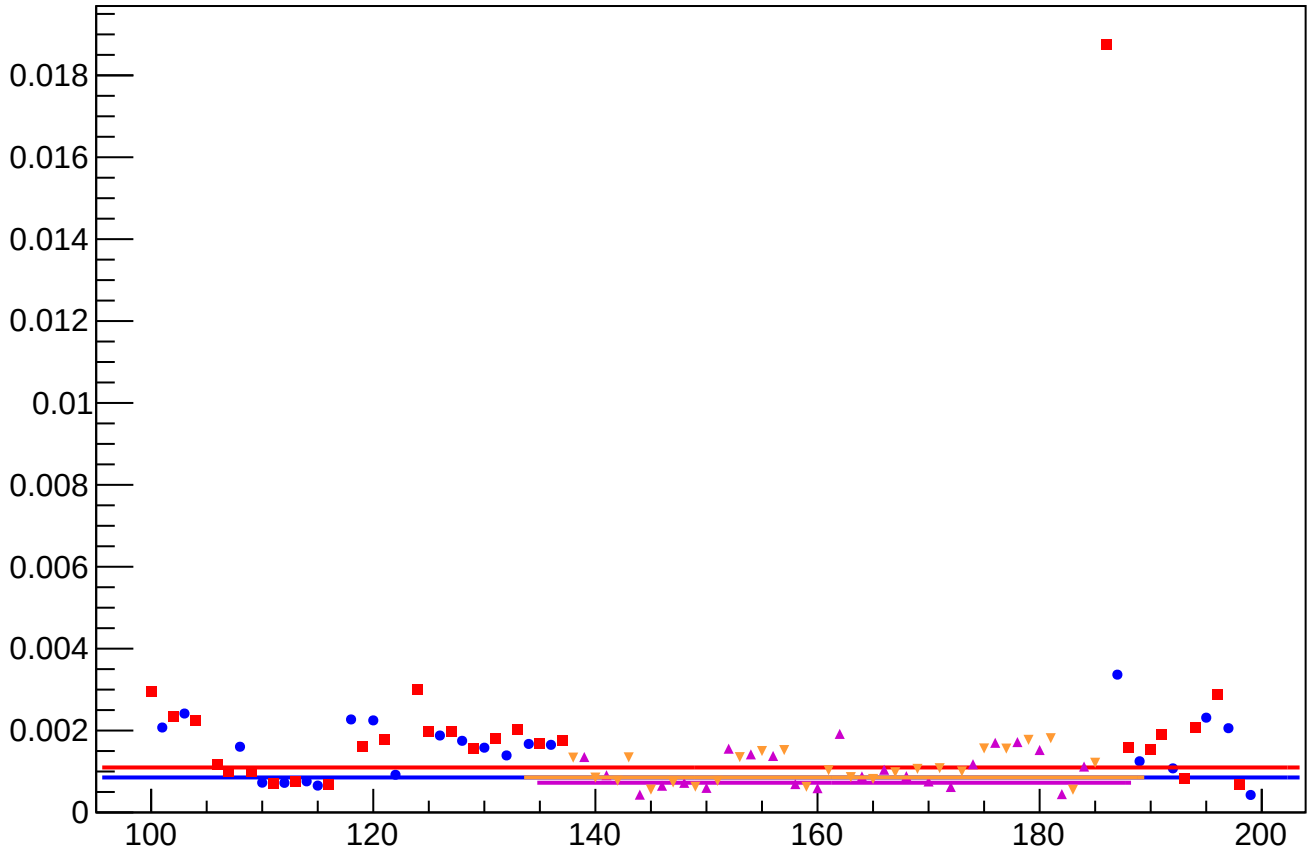
Left: 0.000+/-0.000 χ^2/NDF: 59.9/47

Right: -0.000+/-0.000 χ^2/NDF: 42.8/48

In: -0.000+/-0.000 χ^2/NDF:38.8/44

Out: 0.000+/-0.000 χ^2/NDF:62.8/51

All: 0.000+/-0.000 χ^2/NDF: 103.7/96



Right In: 0.001+/-0.000 χ^2/NDF: 6685312.7/21

Left Out: 0.001+/-0.000 χ^2/NDF:4439075.2/24

Right Out: 0.001+/-0.000 χ^2/NDF: 5090838.0/26

Left In: 0.001+/-0.000 χ^2/NDF:5805288.5/22

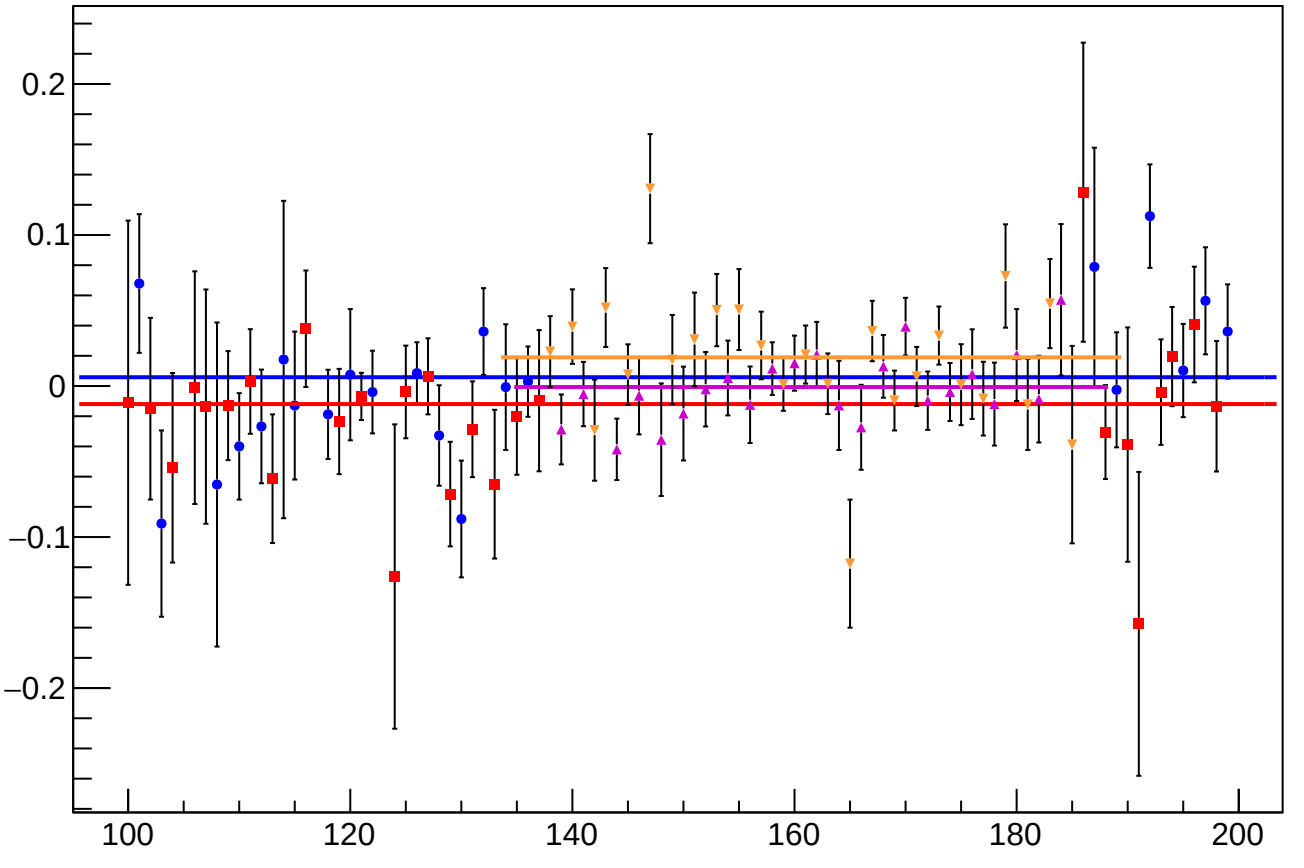
Left: 0.001+/-0.000 χ^2/NDF: 10673329.7/47

Right: 0.001+/-0.000 χ^2/NDF: 12307934.0/48

In: 0.001+/-0.000 χ^2/NDF:12745901.3/44

Out: 0.001+/-0.000 χ^2/NDF:10205888.2/51

All: 0.001+/-0.000 χ^2/NDF: 23805644.9/96



Right In: 0.006+/-0.007 χ^2/NDF: 30.2/21

Left Out: 0.019+/-0.005 χ^2/NDF:41.2/24

Right Out: -0.012+/-0.007 χ^2/NDF: 17.7/26

Left In: -0.001+/-0.005 χ^2/NDF:17.7/22

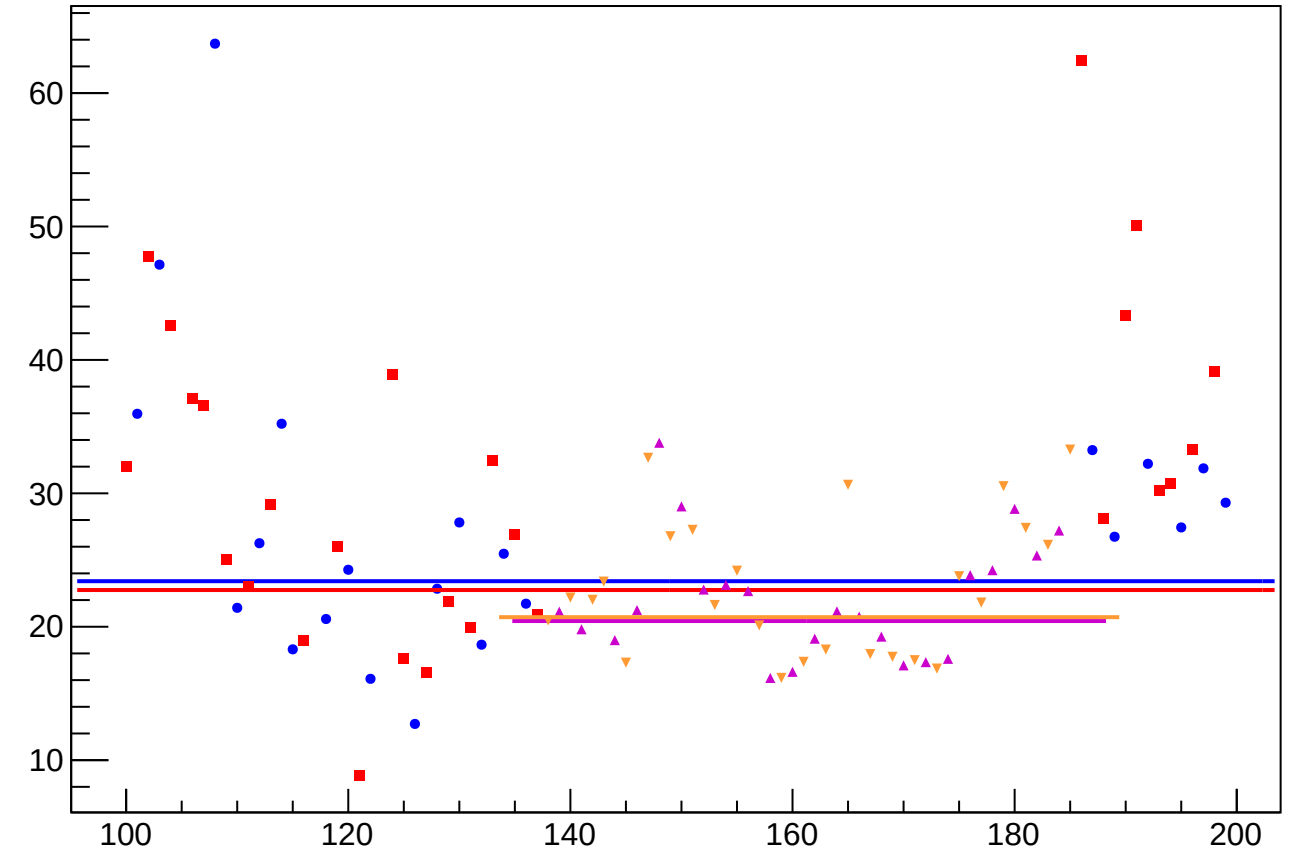
Left: 0.009+/-0.003 χ^2/NDF: 66.9/47

Right: -0.003+/-0.005 χ^2/NDF: 50.8/48

In: 0.001+/-0.004 χ^2/NDF:48.4/44

Out: 0.009+/-0.004 χ^2/NDF:71.4/51

All: 0.005+/-0.003 χ^2/NDF: 121.7/96



Right In: 23.415+/-0.005 χ^2/NDF: 1996240.1/21

Left Out: 20.718+/-0.003 χ^2/NDF:1506475.9/24

Right Out: 22.752+/-0.005 χ^2/NDF: 4030620.4/26

Left In: 20.429+/-0.003 χ^2/NDF:1173995.4/22

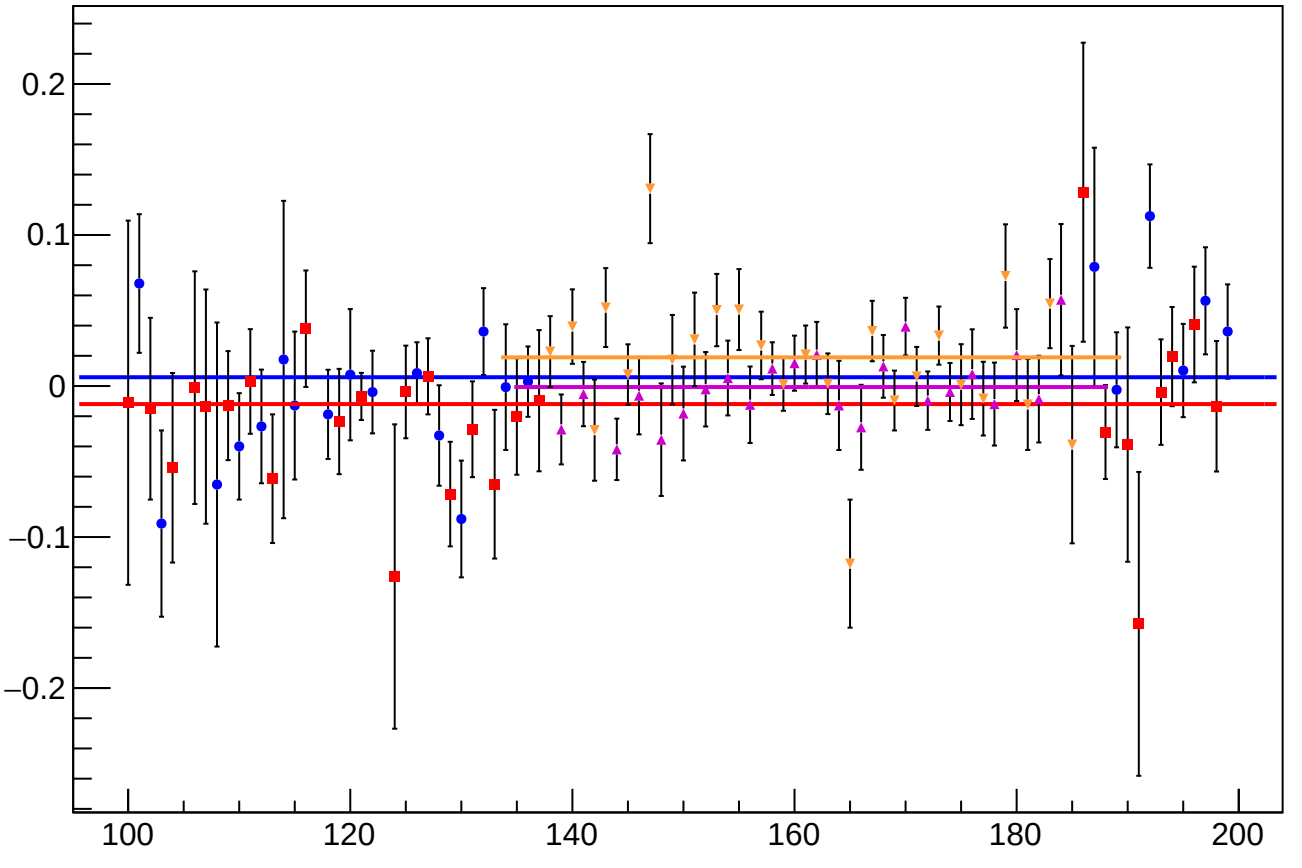
Left: 20.575+/-0.002 χ^2/NDF: 2683947.4/47

Right: 23.074+/-0.004 χ^2/NDF: 6035011.3/48

In: 21.340+/-0.003 χ^2/NDF:3393568.8/44

Out: 21.353+/-0.003 χ^2/NDF:5646104.1/51

All: 21.347+/-0.002 χ^2/NDF: 9039683.7/96



Right In: 0.006+/-0.007 χ^2/NDF: 30.2/21

Left Out: 0.019+/-0.005 χ^2/NDF:41.2/24

Right Out: -0.012+/-0.007 χ^2/NDF: 17.7/26

Left In: -0.001+/-0.005 χ^2/NDF:17.7/22

Left: 0.009+/-0.003 χ^2/NDF: 66.9/47

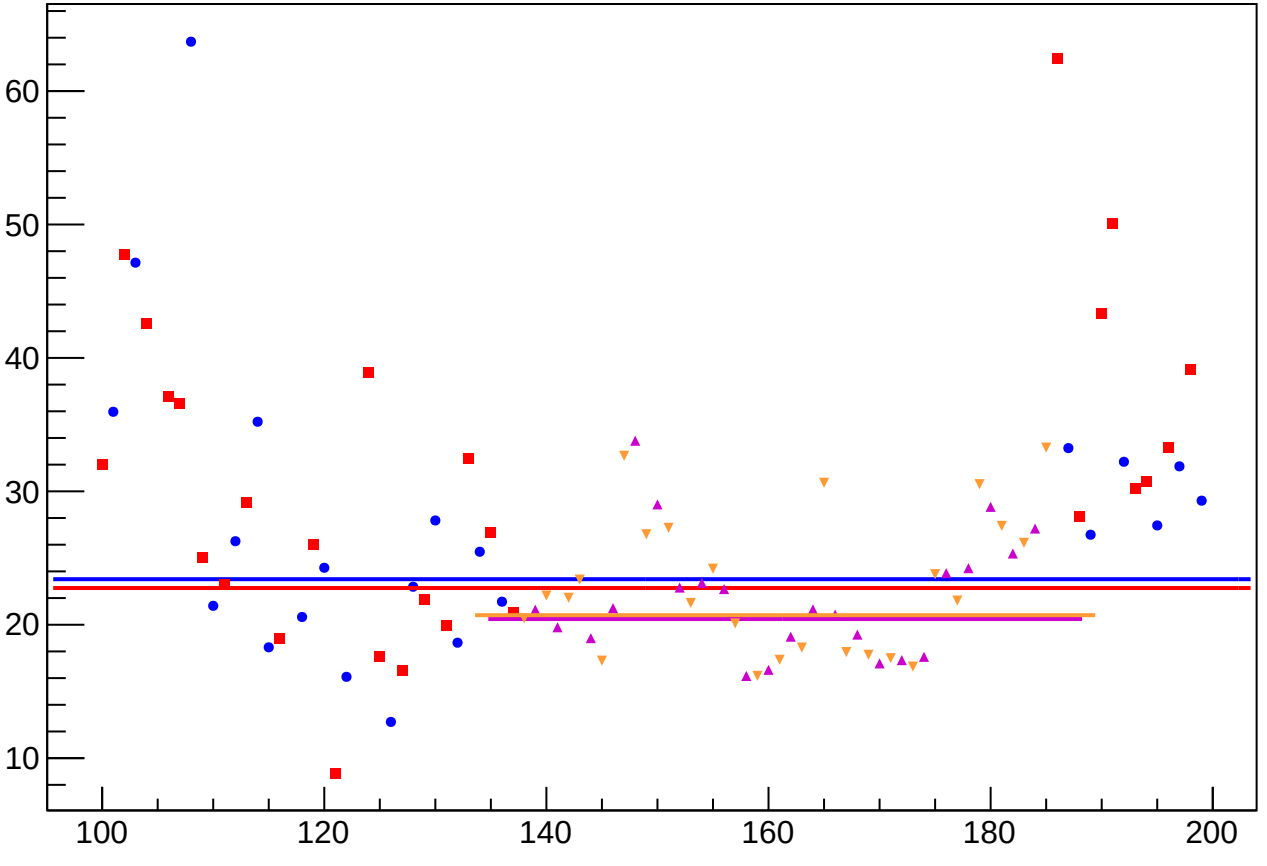
Right: -0.003+/-0.005 χ^2/NDF: 50.8/48

In: 0.001+/-0.004 χ^2/NDF:48.4/44

Out: 0.009+/-0.004 χ^2/NDF:71.4/51

All: 0.005+/-0.003 χ^2/NDF: 121.7/96

asym_sam_13_57_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 23.415+/-0.005 χ^2/NDF: 1996240.1/21

Left Out: 20.718+/-0.003 χ^2/NDF:1506475.9/24

Right Out: 22.752+/-0.005 χ^2/NDF: 4030620.4/26

Left In: 20.429+/-0.003 χ^2/NDF:1173995.4/22

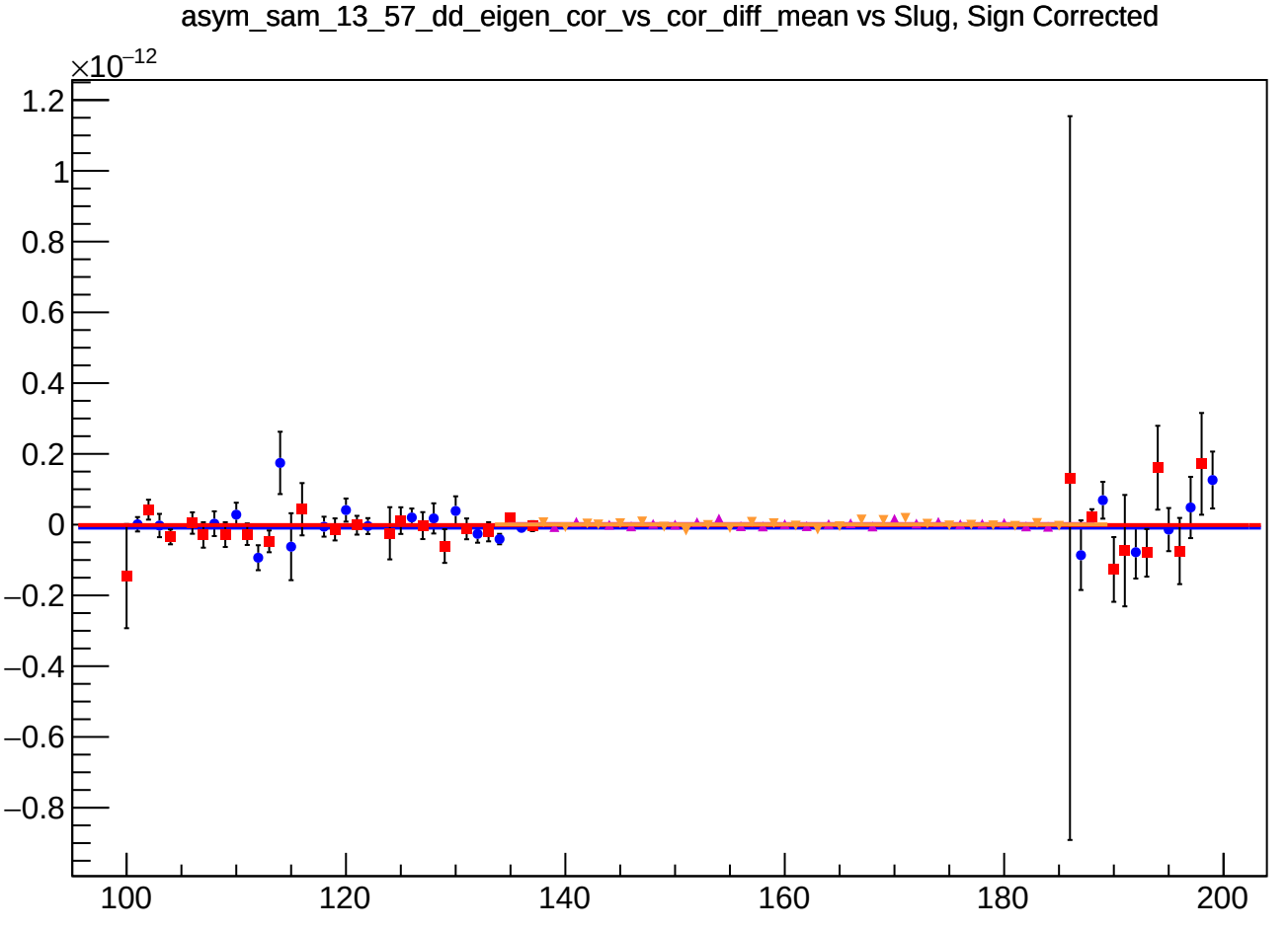
Left: 20.575+/-0.002 χ^2/NDF: 2683947.4/47

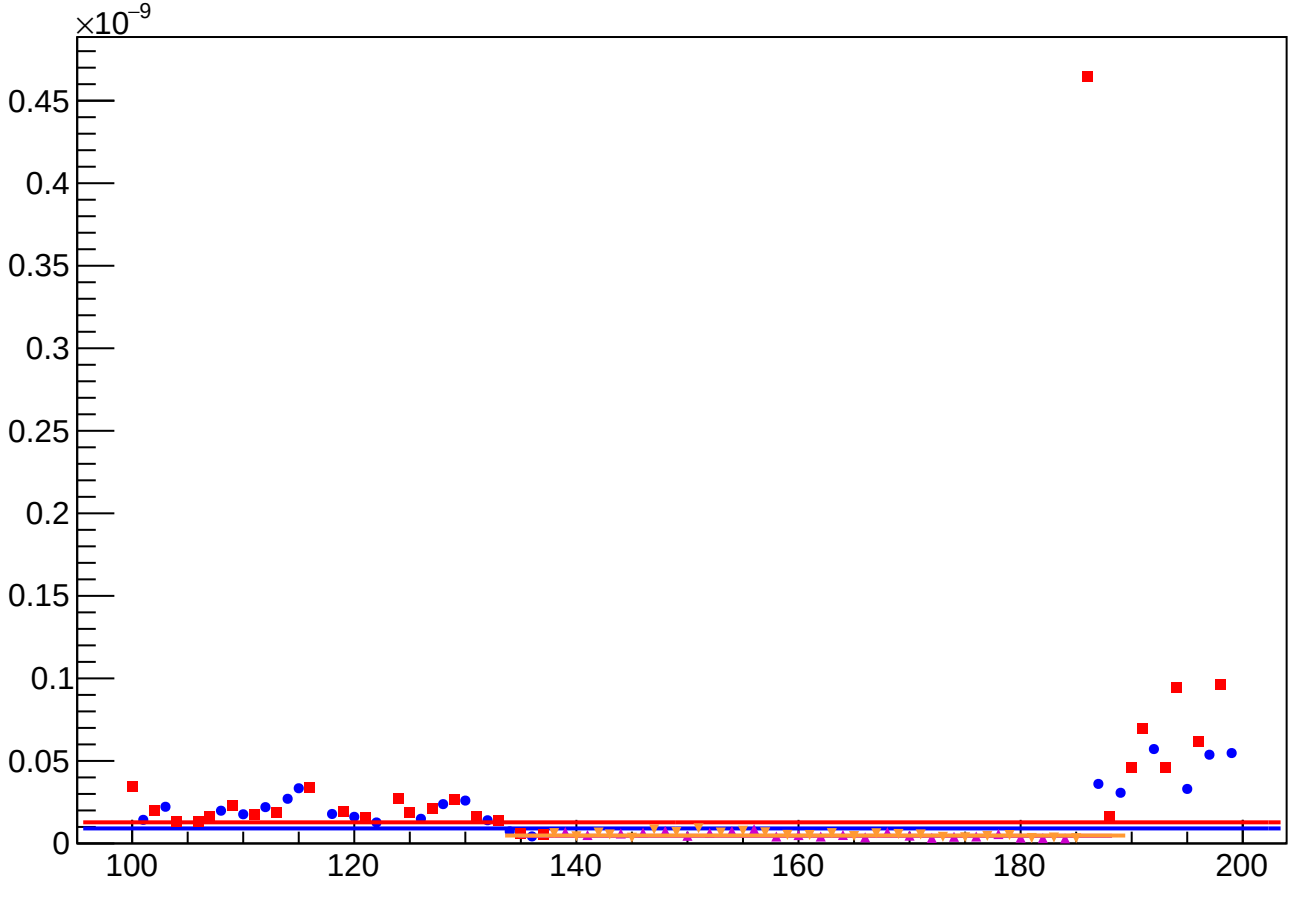
Right: 23.074+/-0.004 χ^2/NDF: 6035011.3/48

In: 21.340+/-0.003 χ^2/NDF:3393568.8/44

Out: 21.353+/-0.003 χ^2/NDF:5646104.1/51

All: 21.347+/-0.002 χ^2/NDF: 9039683.7/96


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: 29.5/21
Left Out: 0.000+/-0.000 χ²/NDF:29.0/24
Right Out: -0.000+/-0.000 χ²/NDF: 25.3/26
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: 55.9/48
In: 0.000+/-0.000 χ²/NDF:54.8/44
Out: 0.000+/-0.000 χ²/NDF:54.5/51
All: 0.000+/-0.000 χ²/NDF: 109.3/96



Right In: 0.000+/-0.000 χ^2/NDF: 6608104.7/21

Left Out: 0.000+/-0.000 χ^2/NDF:2118264.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6325706.1/26

Left In: 0.000+/-0.000 χ^2/NDF:1908439.7/22

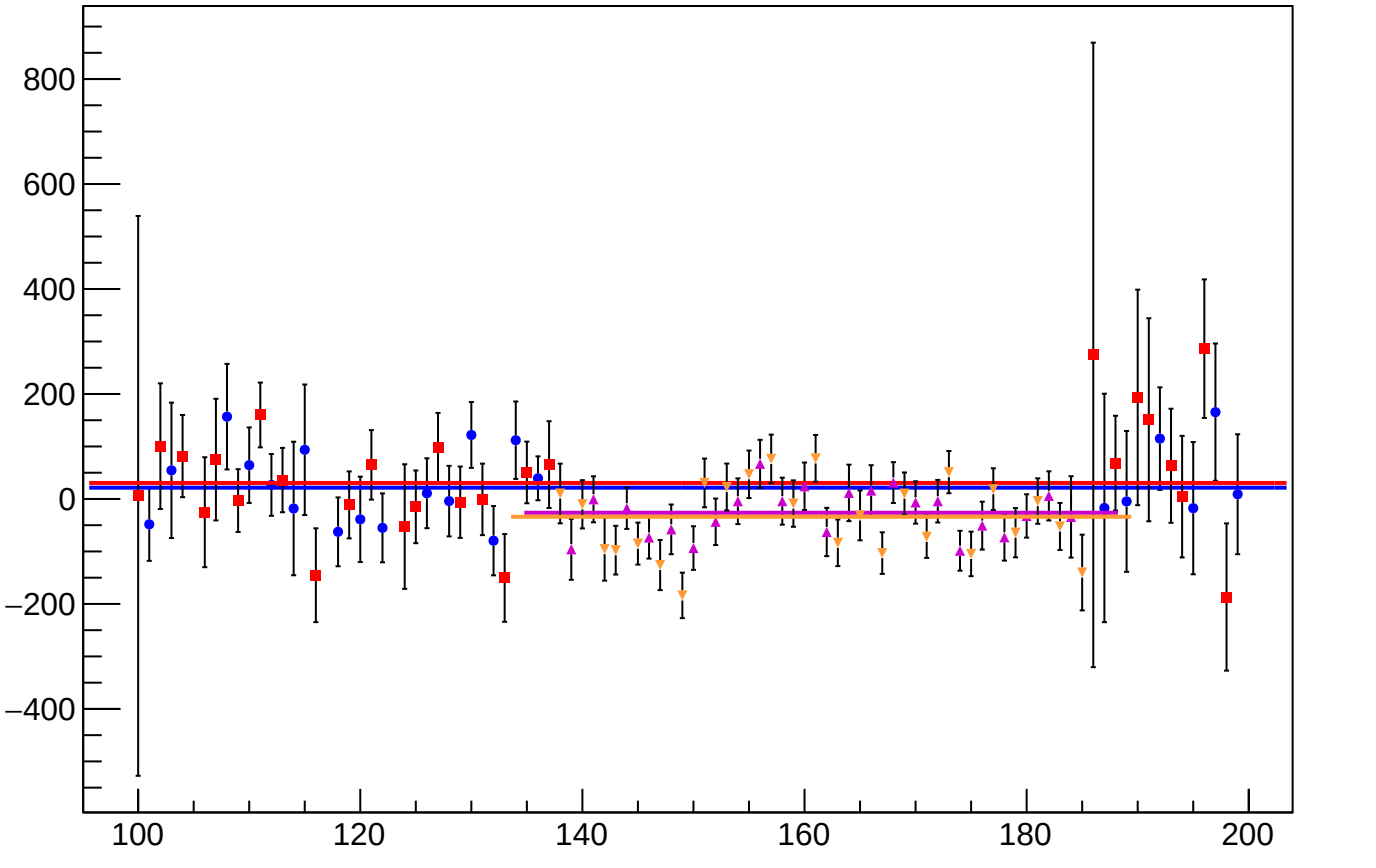
Left: 0.000+/-0.000 χ^2/NDF: 4046117.6/47

Right: 0.000+/-0.000 χ^2/NDF: 13485721.9/48

In: 0.000+/-0.000 χ^2/NDF:10390529.6/44

Out: 0.000+/-0.000 χ^2/NDF:12495344.5/51

All: 0.000+/-0.000 χ^2/NDF: 22925224.3/96


reg_asym_sam_15_37_dd_mean vs Slug, Sign Corrected
800
600
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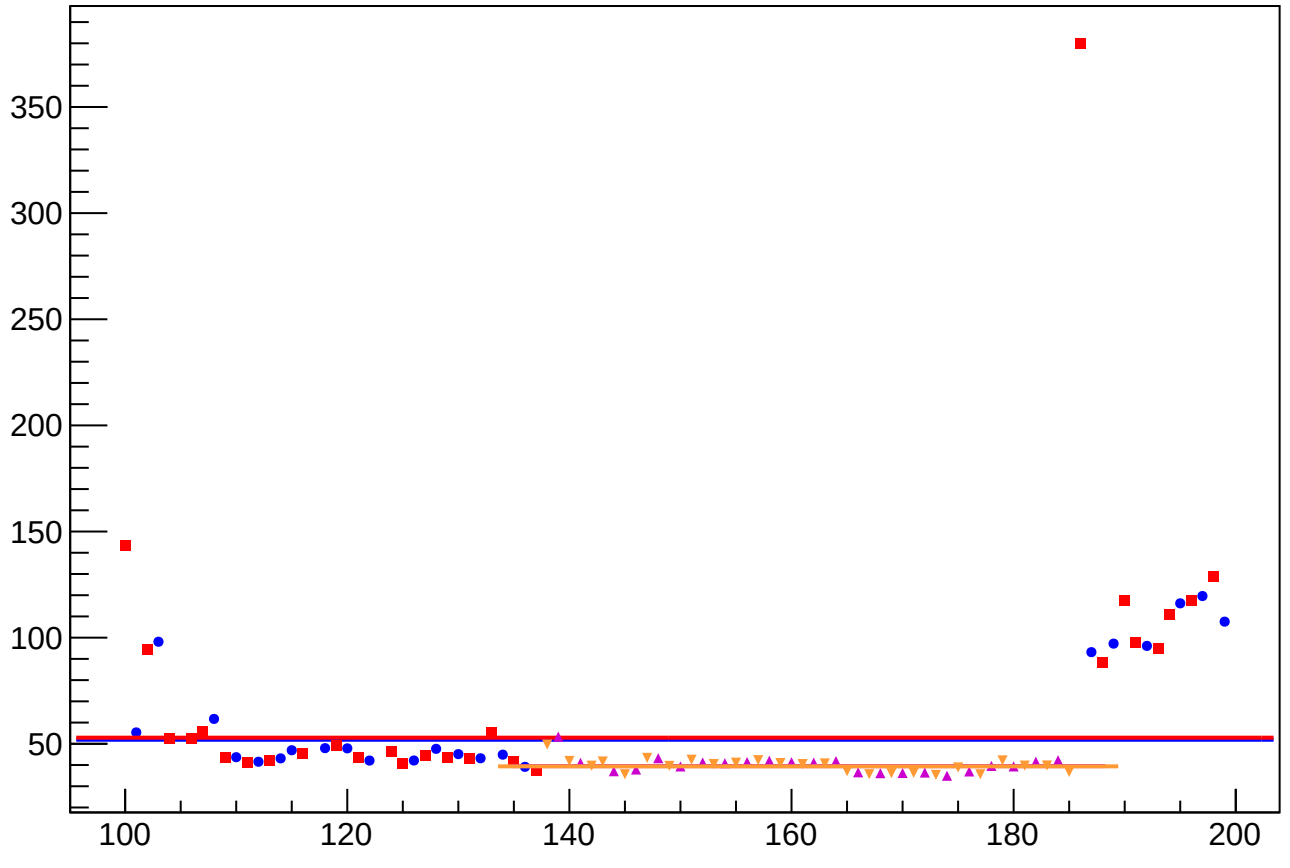
200
0
−200
−400
100
120
140
160
180
200
Right In: 21.520+/-16.539 χ²/NDF: 16.3/21
Left Out: -33.956+/-8.993 χ²/NDF:58.7/24
Right Out: 30.506+/-16.286 χ²/NDF: 25.6/26
Left In: -26.267+/-9.271 χ²/NDF:22.5/22
Left: -30.228+/-6.455 χ²/NDF: 81.6/47
Right: 26.082+/-11.604 χ²/NDF: 42.0/48
In: -14.840+/-8.087 χ²/NDF:45.1/44
Out: -18.892+/-7.873 χ²/NDF:96.3/51
All: -16.920+/-5.641 χ²/NDF: 141.6/96



Right In: 51.917+/-0.012 χ^2/NDF: 2991646.5/21

Left Out: 39.383+/-0.006 χ^2/NDF:228799.9/24

Right Out: 52.888+/-0.012 χ^2/NDF: 3949857.2/26

Left In: 39.491+/-0.007 χ^2/NDF:251801.8/22

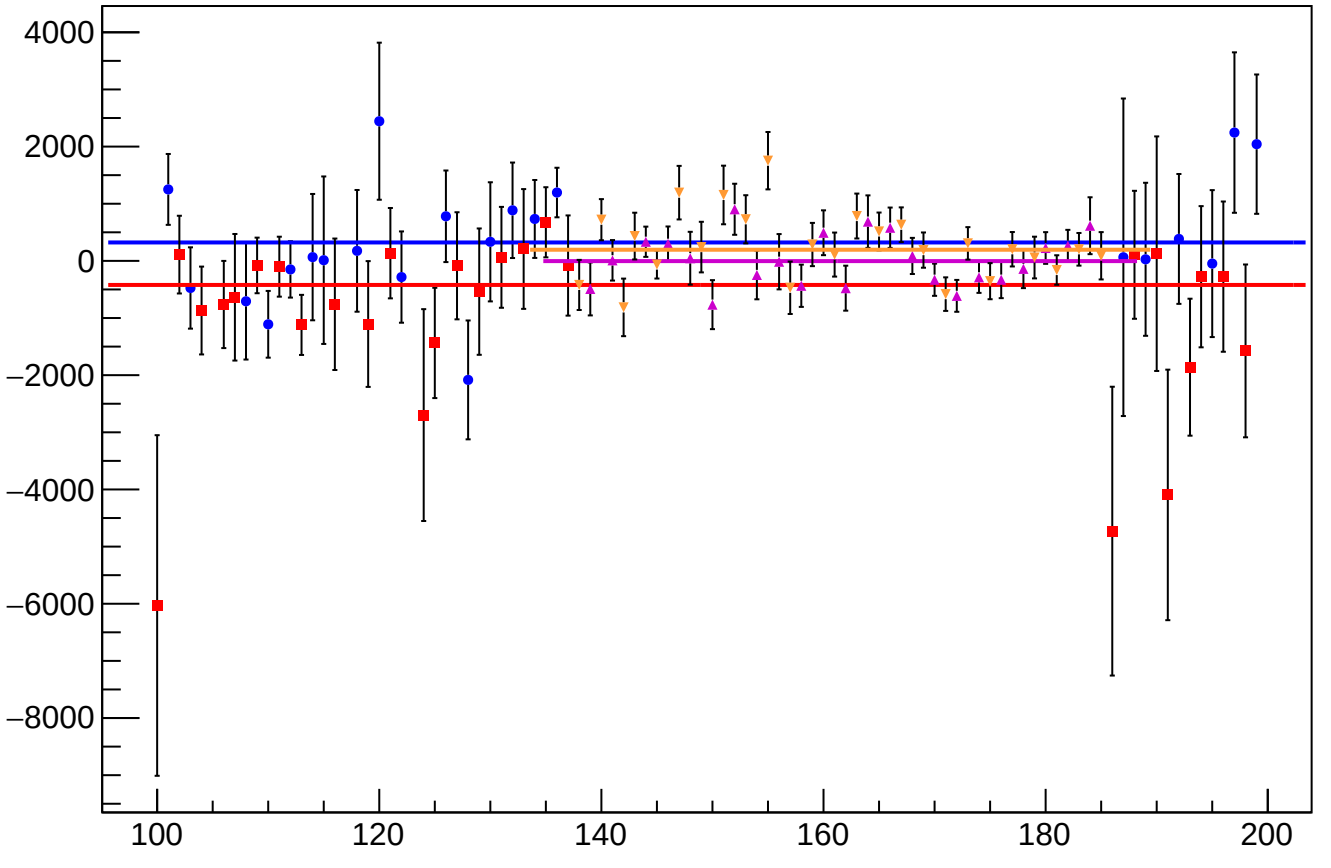
Left: 39.435+/-0.005 χ^2/NDF: 480742.3/47

Right: 52.410+/-0.008 χ^2/NDF: 6945005.1/48

In: 42.462+/-0.006 χ^2/NDF:4102490.7/44

Out: 42.539+/-0.006 χ^2/NDF:5232663.2/51

All: 42.501+/-0.004 χ^2/NDF: 9335245.8/96



Right In: 322.292+/-175.686 χ^2/NDF: 29.1/21

Left Out: 195.029+/-70.093 χ^2/NDF:48.6/24

Right Out: -421.078+/-170.502 χ^2/NDF: 23.1/26

Left In: -4.015+/-71.981 χ^2/NDF:32.4/22

Left: 98.152+/-50.217 χ^2/NDF: 84.9/47

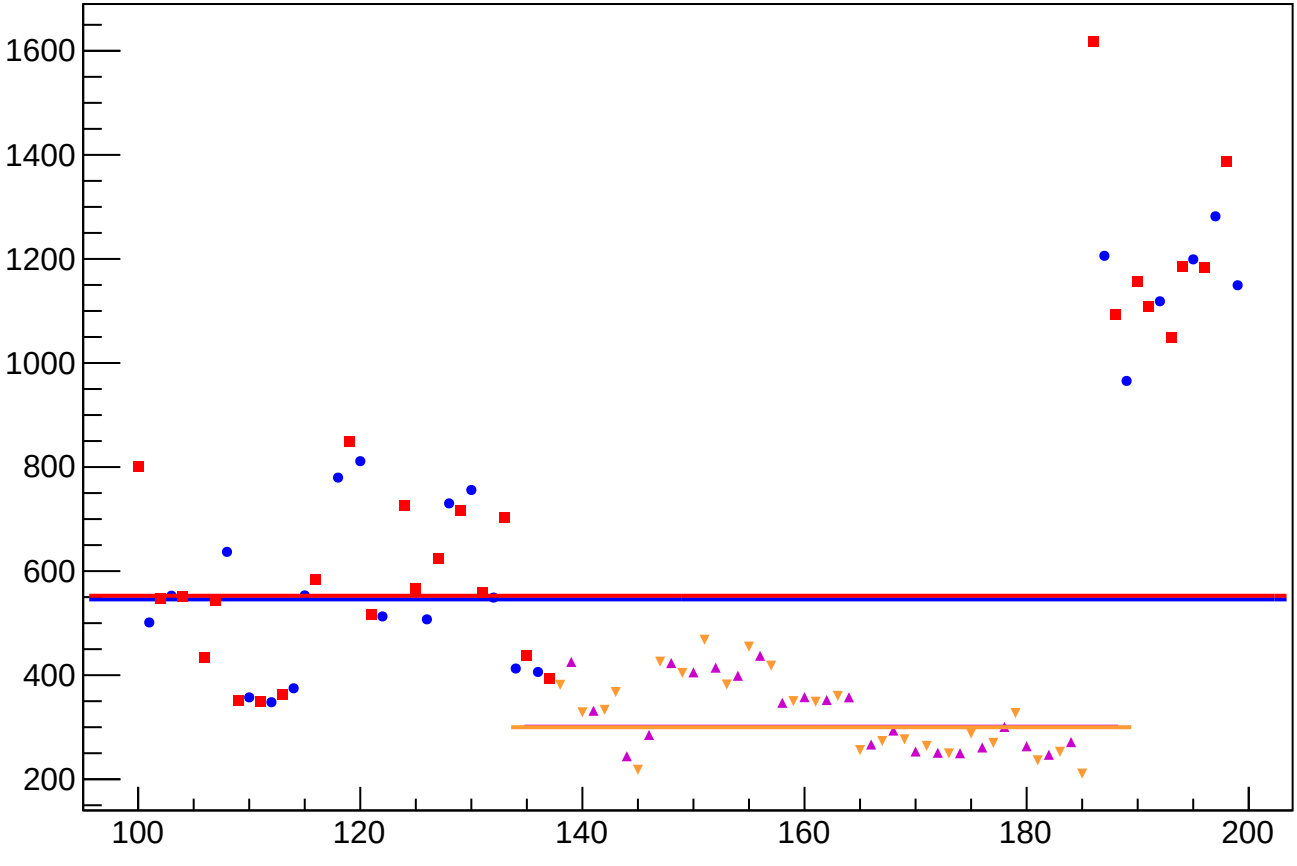
Right: -60.522+/-122.355 χ^2/NDF: 61.5/48

In: 42.888+/-66.607 χ^2/NDF:64.4/44

Out: 105.959+/-64.828 χ^2/NDF:82.9/51

All: 75.277+/-46.457 χ^2/NDF: 147.8/96

asym_sam_15_37_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 545.671+/-0.124 χ^2/NDF: 3585629.5/21

Left Out: 299.976+/-0.050 χ^2/NDF:1808461.5/24

Right Out: 552.634+/-0.121 χ^2/NDF: 4428358.8/26

Left In: 301.000+/-0.051 χ^2/NDF:1407198.4/22

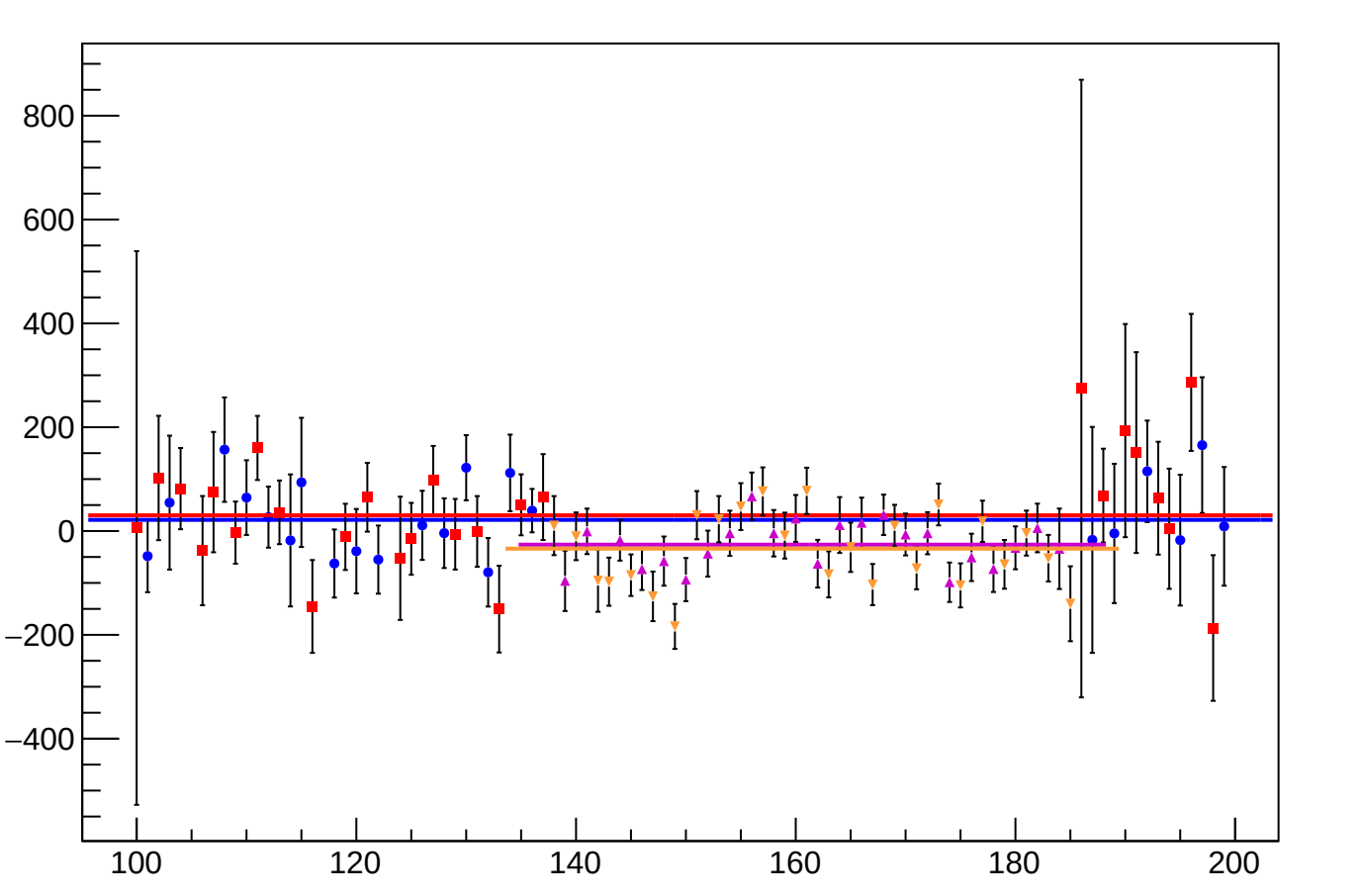
Left: 300.474+/-0.036 χ^2/NDF: 3215867.3/47

Right: 549.257+/-0.087 χ^2/NDF: 8015605.9/48

In: 336.168+/-0.047 χ^2/NDF:8314316.9/44

Out: 336.503+/-0.046 χ^2/NDF:9993656.5/51

All: 336.340+/-0.033 χ^2/NDF: 18307999.4/96



Right In: 21.525+/-16.539 χ^2/NDF: 16.3/21

Left Out: -33.955+/-8.993 χ^2/NDF:58.7/24

Right Out: 30.249+/-16.288 χ^2/NDF: 25.7/26

Left In: -26.267+/-9.271 χ^2/NDF:22.5/22

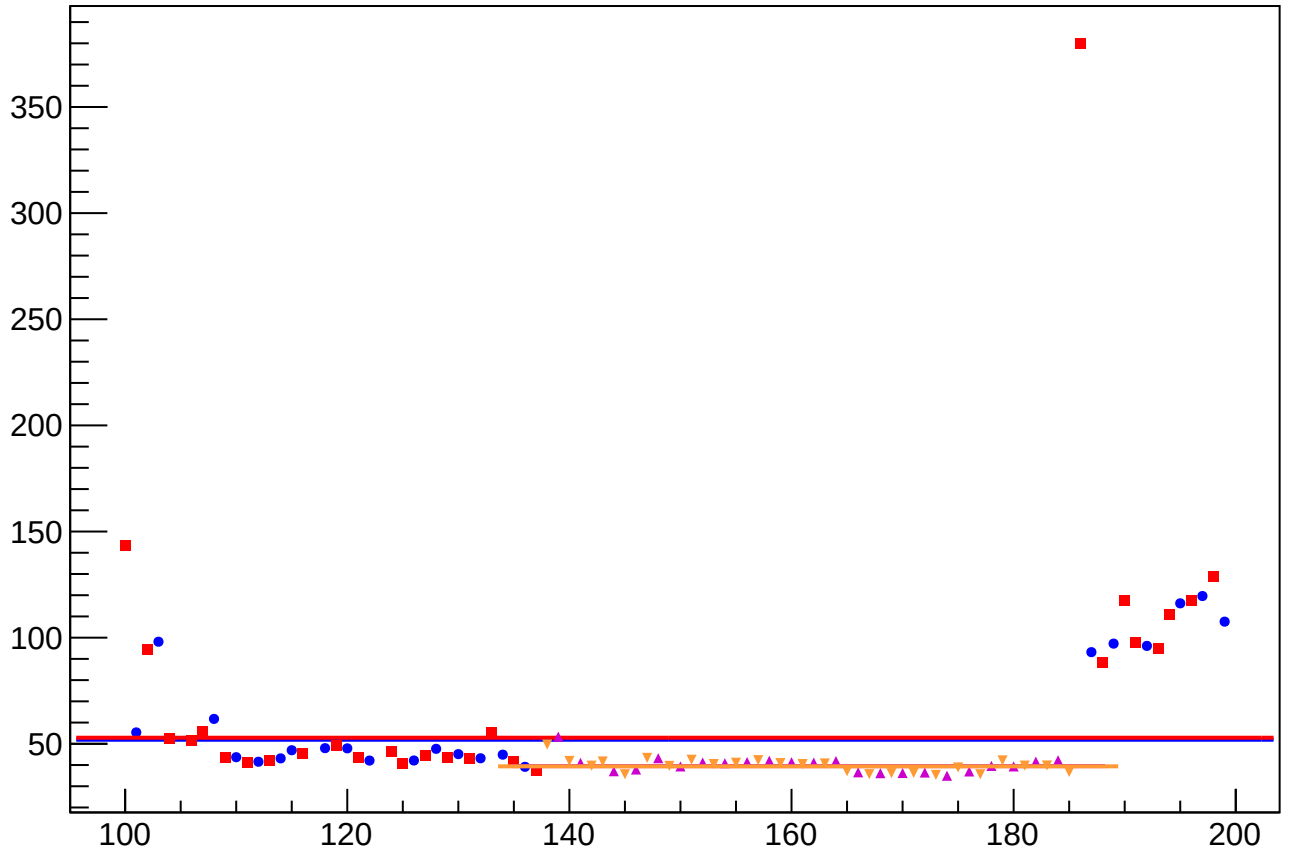
Left: -30.228+/-6.455 χ^2/NDF: 81.6/47

Right: 25.954+/-11.605 χ^2/NDF: 42.2/48

In: -14.839+/-8.087 χ^2/NDF:45.1/44

Out: -18.954+/-7.873 χ^2/NDF:96.4/51

All: -16.952+/-5.641 χ^2/NDF: 141.6/96



Right In: 51.917+/-0.012 χ^2/NDF: 2991649.6/21

Left Out: 39.383+/-0.006 χ^2/NDF:228799.9/24

Right Out: 52.869+/-0.012 χ^2/NDF: 3950321.2/26

Left In: 39.491+/-0.007 χ^2/NDF:251801.8/22

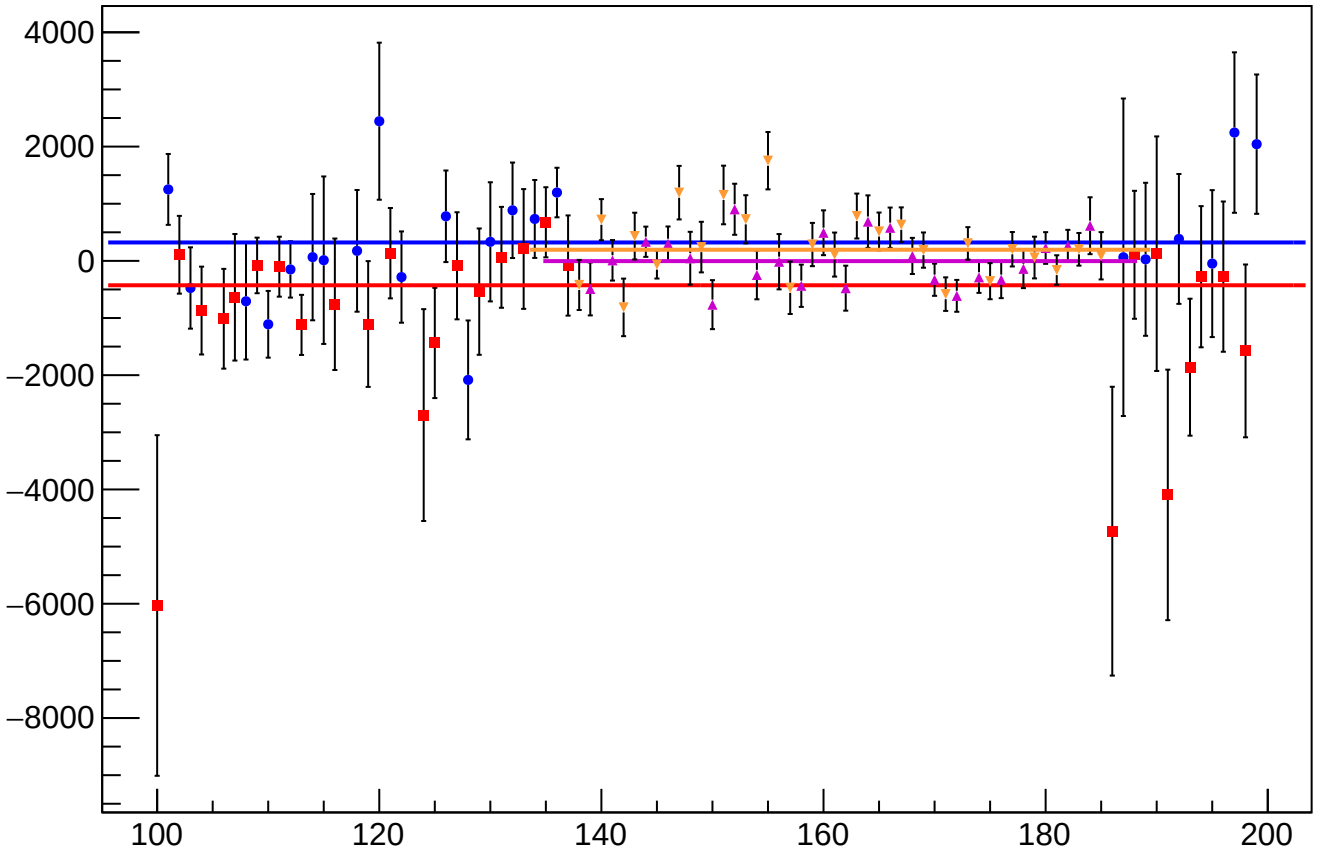
Left: 39.435+/-0.005 χ^2/NDF: 480742.3/47

Right: 52.400+/-0.008 χ^2/NDF: 6945332.9/48

In: 42.462+/-0.006 χ^2/NDF:4102493.7/44

Out: 42.534+/-0.006 χ^2/NDF:5229909.8/51

All: 42.499+/-0.004 χ^2/NDF: 9332483.5/96



Right In: 322.296+/-175.687 χ^2/NDF: 29.1/21

Left Out: 195.028+/-70.093 χ^2/NDF:48.6/24

Right Out: -426.861+/-171.526 χ^2/NDF: 23.4/26

Left In: -4.014+/-71.981 χ^2/NDF:32.4/22

Left: 98.152+/-50.217 χ^2/NDF: 84.9/47

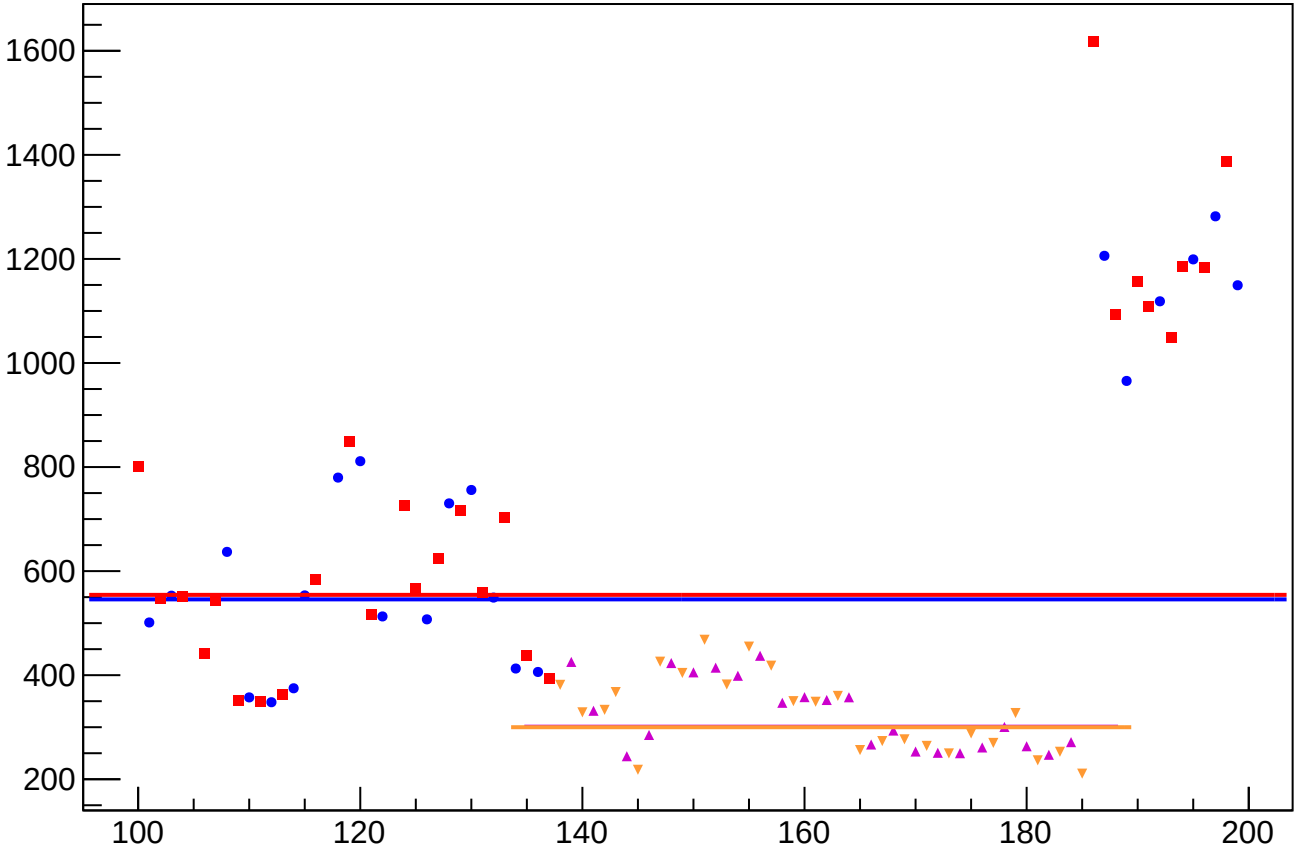
Right: -61.257+/-122.732 χ^2/NDF: 61.8/48

In: 42.888+/-66.607 χ^2/NDF:64.4/44

Out: 106.040+/-64.884 χ^2/NDF:83.3/51

All: 75.292+/-46.477 χ^2/NDF: 148.1/96

asym_sam_15_37_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 545.674+/-0.124 χ^2/NDF: 3585637.4/21

Left Out: 299.976+/-0.050 χ^2/NDF:1808454.4/24

Right Out: 554.359+/-0.121 χ^2/NDF: 4412322.1/26

Left In: 300.999+/-0.051 χ^2/NDF:1407206.0/22

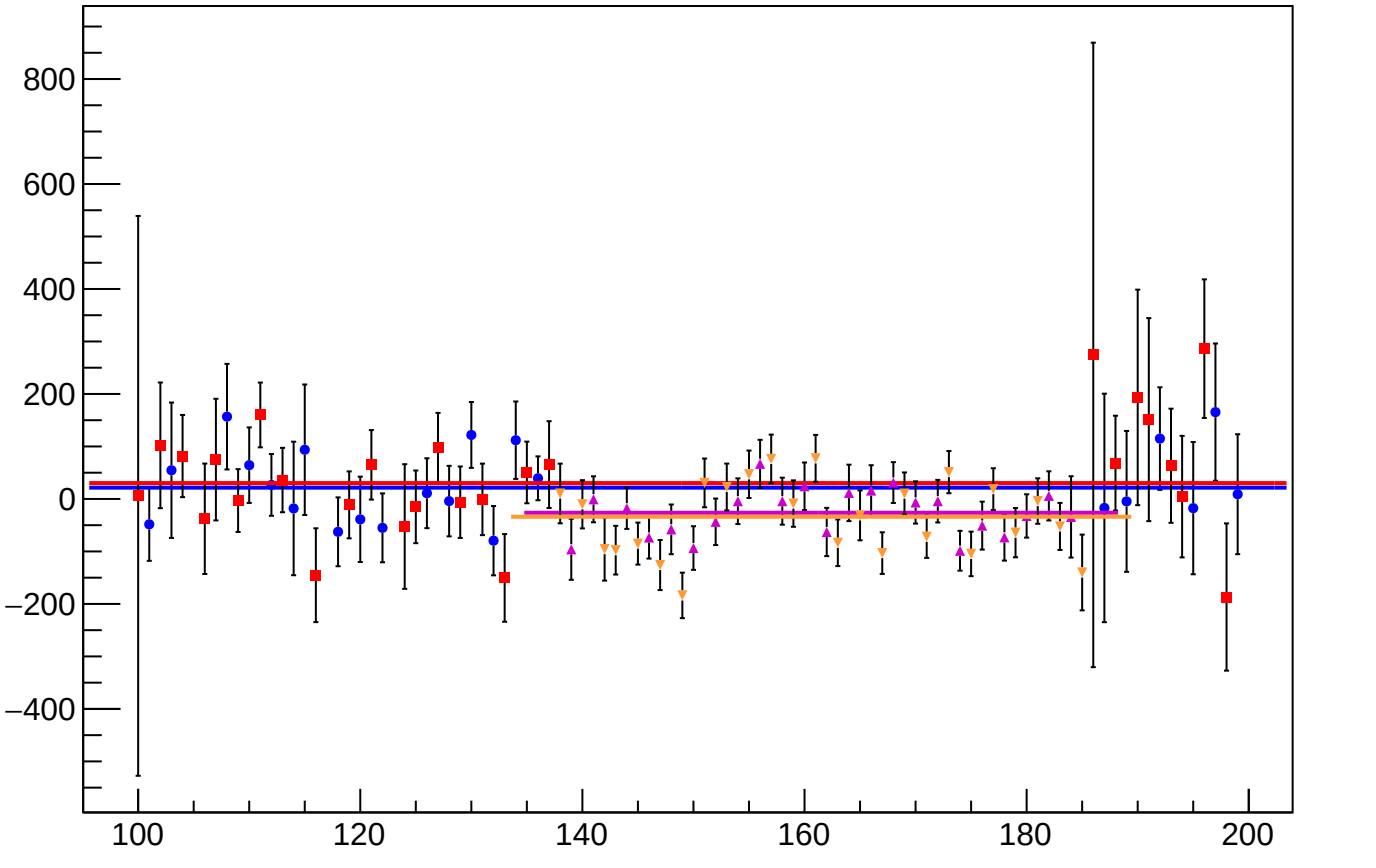
Left: 300.474+/-0.036 χ^2/NDF: 3215867.7/47

Right: 550.121+/-0.087 χ^2/NDF: 8000461.7/48

In: 336.168+/-0.047 χ^2/NDF:8314378.0/44

Out: 336.377+/-0.046 χ^2/NDF:9990215.2/51

All: 336.275+/-0.033 χ^2/NDF: 18304603.2/96


eigen_cor_asym_sam_15_37_dd_mean vs Slug, Sign Corrected
800
600
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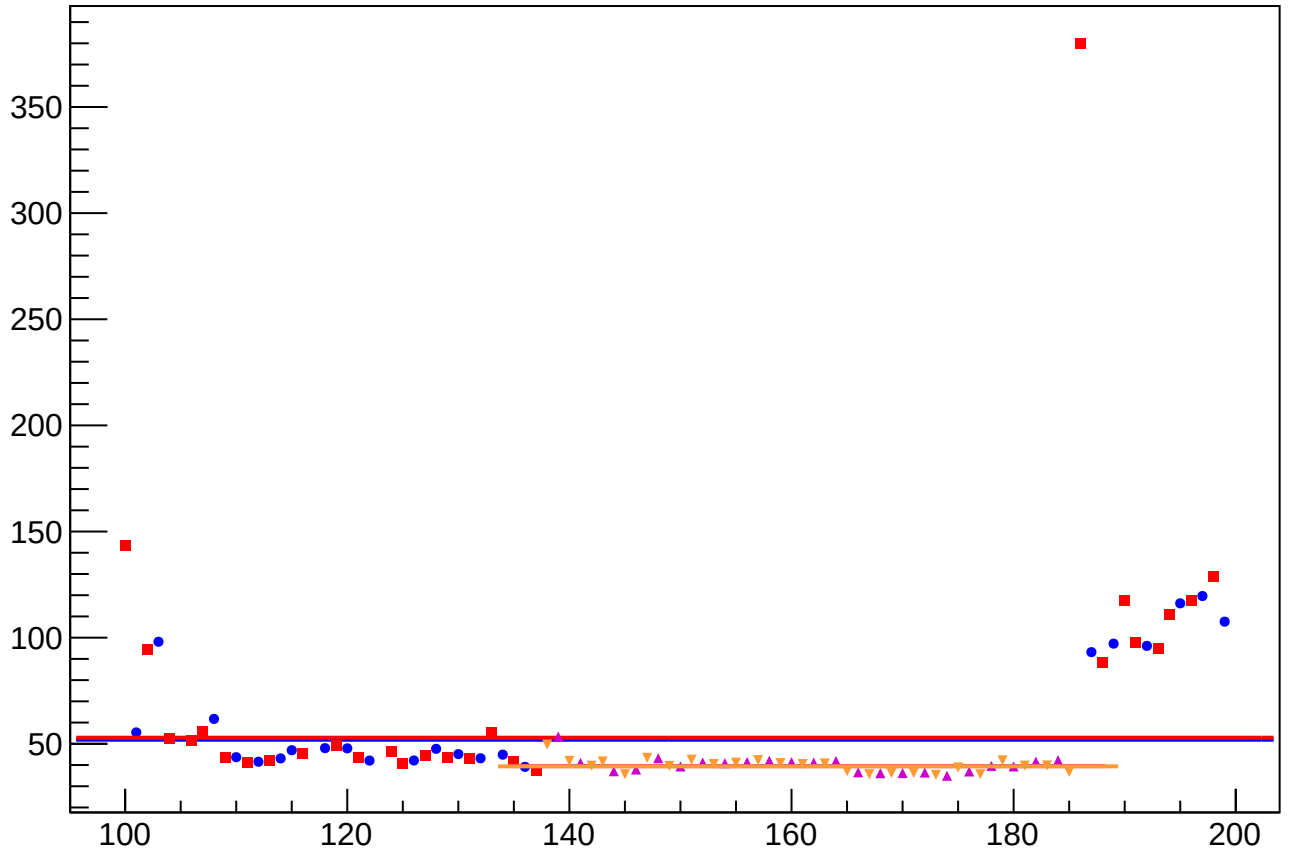
200
0
−200
−400
100
120
140
160
180
200
Right In: 21.525+/-16.539 χ²/NDF: 16.3/21
Left Out: -33.955+/-8.993 χ²/NDF:58.7/24
Right Out: 30.249+/-16.288 χ²/NDF: 25.7/26
Left In: -26.267+/-9.271 χ²/NDF:22.5/22
Left: -30.228+/-6.455 χ²/NDF: 81.6/47
Right: 25.954+/-11.605 χ²/NDF: 42.2/48
In: -14.839+/-8.087 χ²/NDF:45.1/44
Out: -18.954+/-7.873 χ²/NDF:96.4/51
All: -16.952+/-5.641 χ²/NDF: 141.6/96



Right In: 51.917+/-0.012 χ^2/NDF: 2991649.6/21

Left Out: 39.383+/-0.006 χ^2/NDF:228799.9/24

Right Out: 52.869+/-0.012 χ^2/NDF: 3950321.2/26

Left In: 39.491+/-0.007 χ^2/NDF:251801.8/22

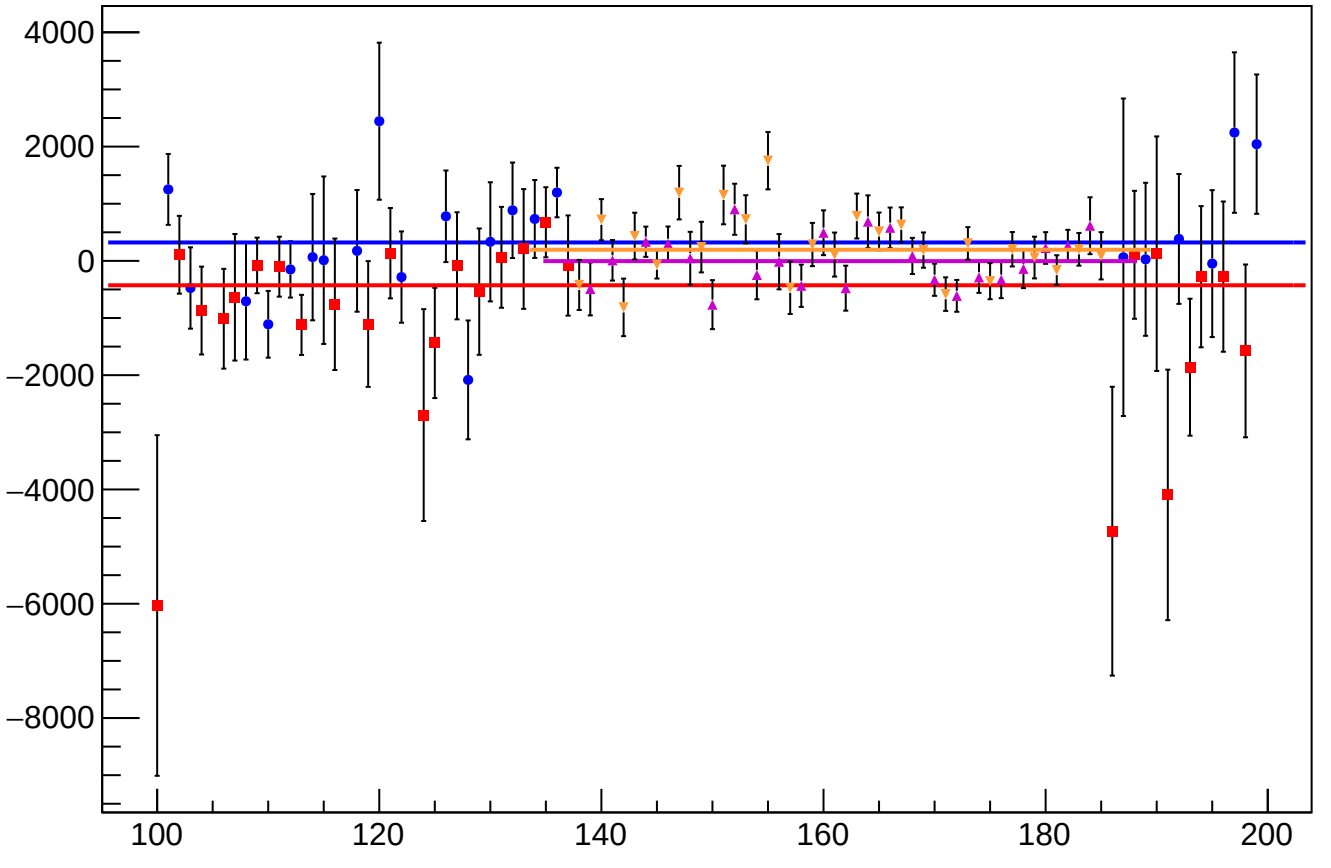
Left: 39.435+/-0.005 χ^2/NDF: 480742.3/47

Right: 52.400+/-0.008 χ^2/NDF: 6945332.9/48

In: 42.462+/-0.006 χ^2/NDF:4102493.7/44

Out: 42.534+/-0.006 χ^2/NDF:5229909.8/51

All: 42.499+/-0.004 χ^2/NDF: 9332483.5/96



Right In: 322.296+/-175.687 χ^2/NDF: 29.1/21

Left Out: 195.028+/-70.093 χ^2/NDF:48.6/24

Right Out: -426.861+/-171.526 χ^2/NDF: 23.4/26

Left In: -4.014+/-71.981 χ^2/NDF:32.4/22

Left: 98.152+/-50.217 χ^2/NDF: 84.9/47

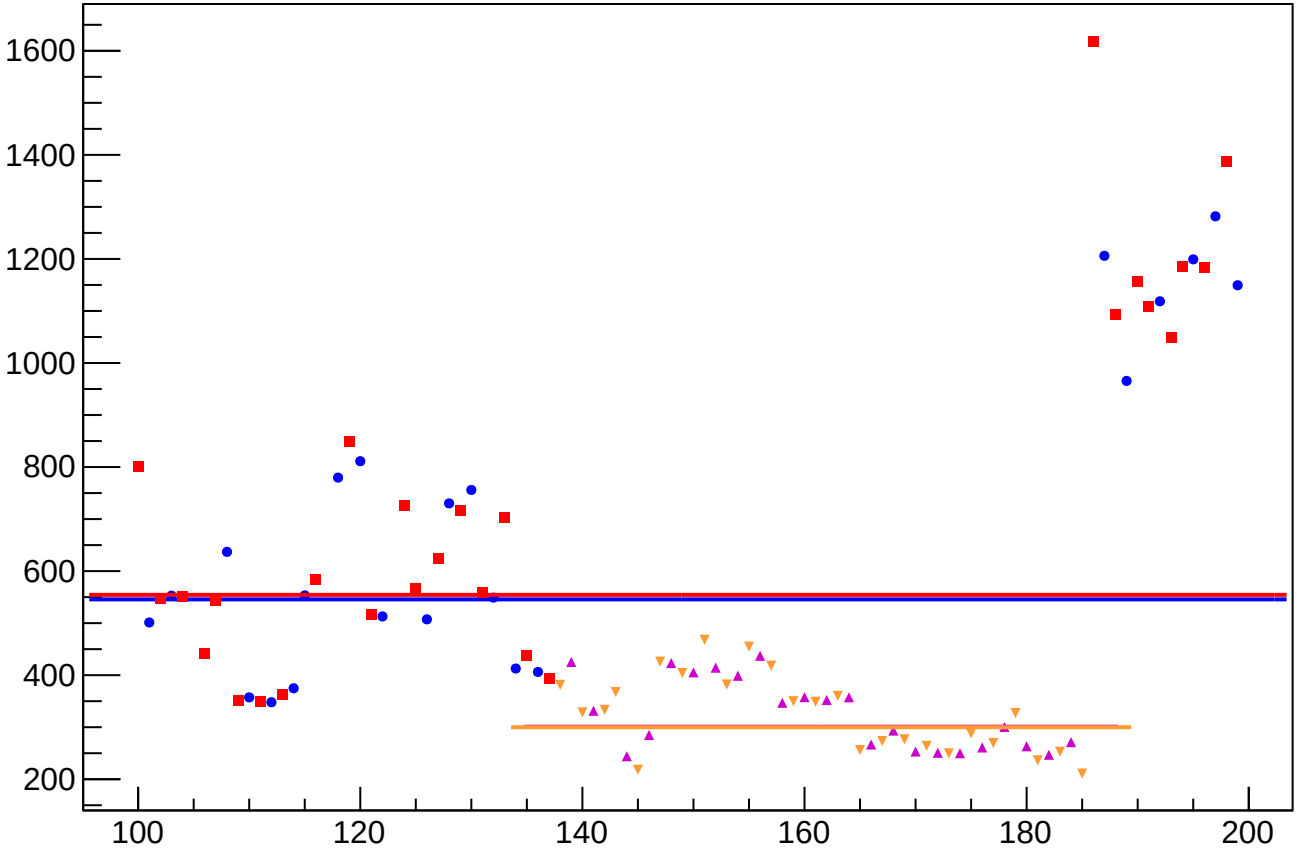
Right: -61.257+/-122.732 χ^2/NDF: 61.8/48

In: 42.888+/-66.607 χ^2/NDF:64.4/44

Out: 106.040+/-64.884 χ^2/NDF:83.3/51

All: 75.292+/-46.477 χ^2/NDF: 148.1/96

asym_sam_15_37_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 545.674+/-0.124 χ^2/NDF: 3585637.4/21

Left Out: 299.976+/-0.050 χ^2/NDF:1808454.4/24

Right Out: 554.359+/-0.121 χ^2/NDF: 4412322.1/26

Left In: 300.999+/-0.051 χ^2/NDF:1407206.0/22

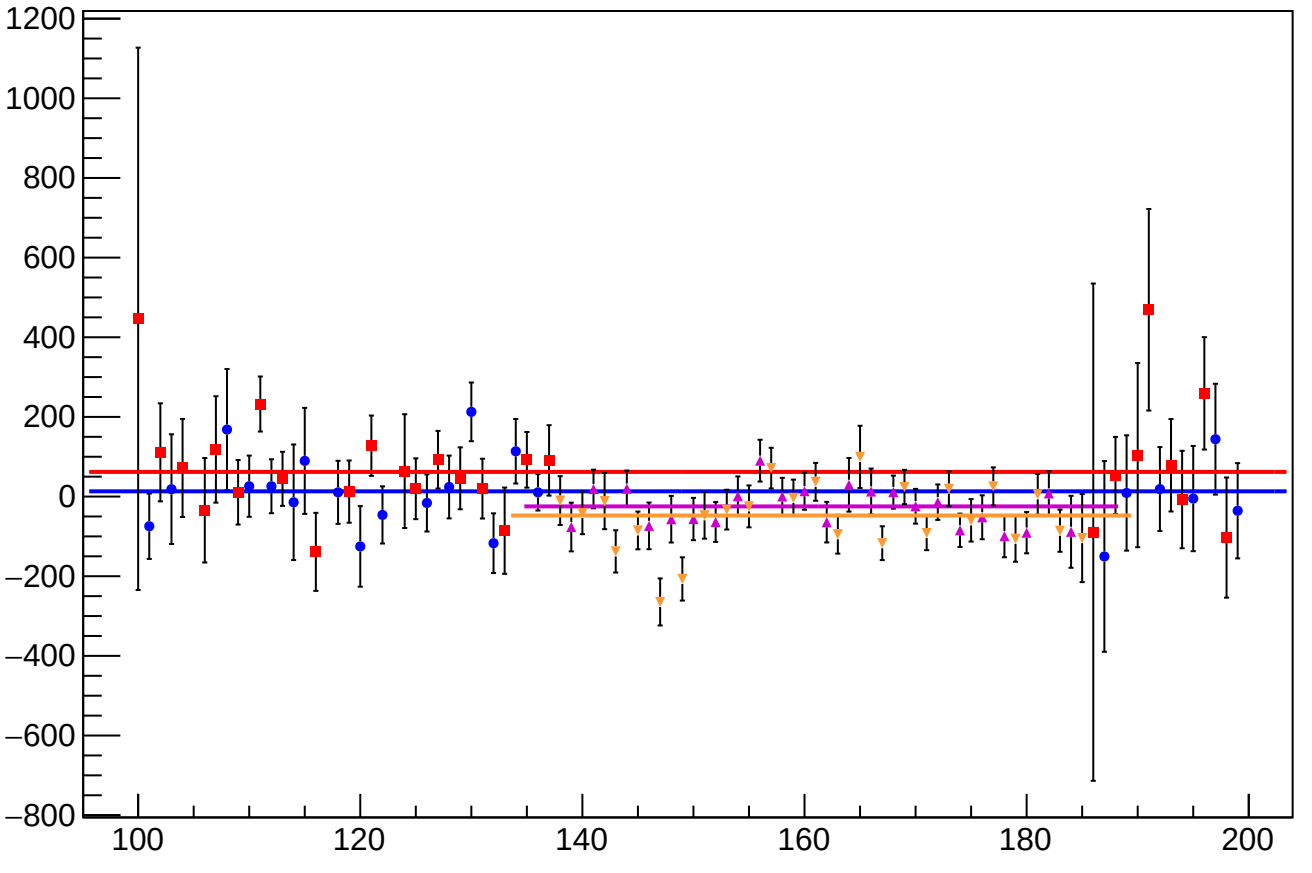
Left: 300.474+/-0.036 χ^2/NDF: 3215867.7/47

Right: 550.121+/-0.087 χ^2/NDF: 8000461.7/48

In: 336.168+/-0.047 χ^2/NDF:8314378.0/44

Out: 336.377+/-0.046 χ^2/NDF:9990215.2/51

All: 336.275+/-0.033 χ^2/NDF: 18304603.2/96



Right In: 13.174+/-18.660 χ^2/NDF: 18.8/21

Left Out: -47.480+/-10.392 χ^2/NDF:54.7/24

Right Out: 61.894+/-18.825 χ^2/NDF: 22.3/26

Left In: -24.687+/-10.660 χ^2/NDF:19.7/22

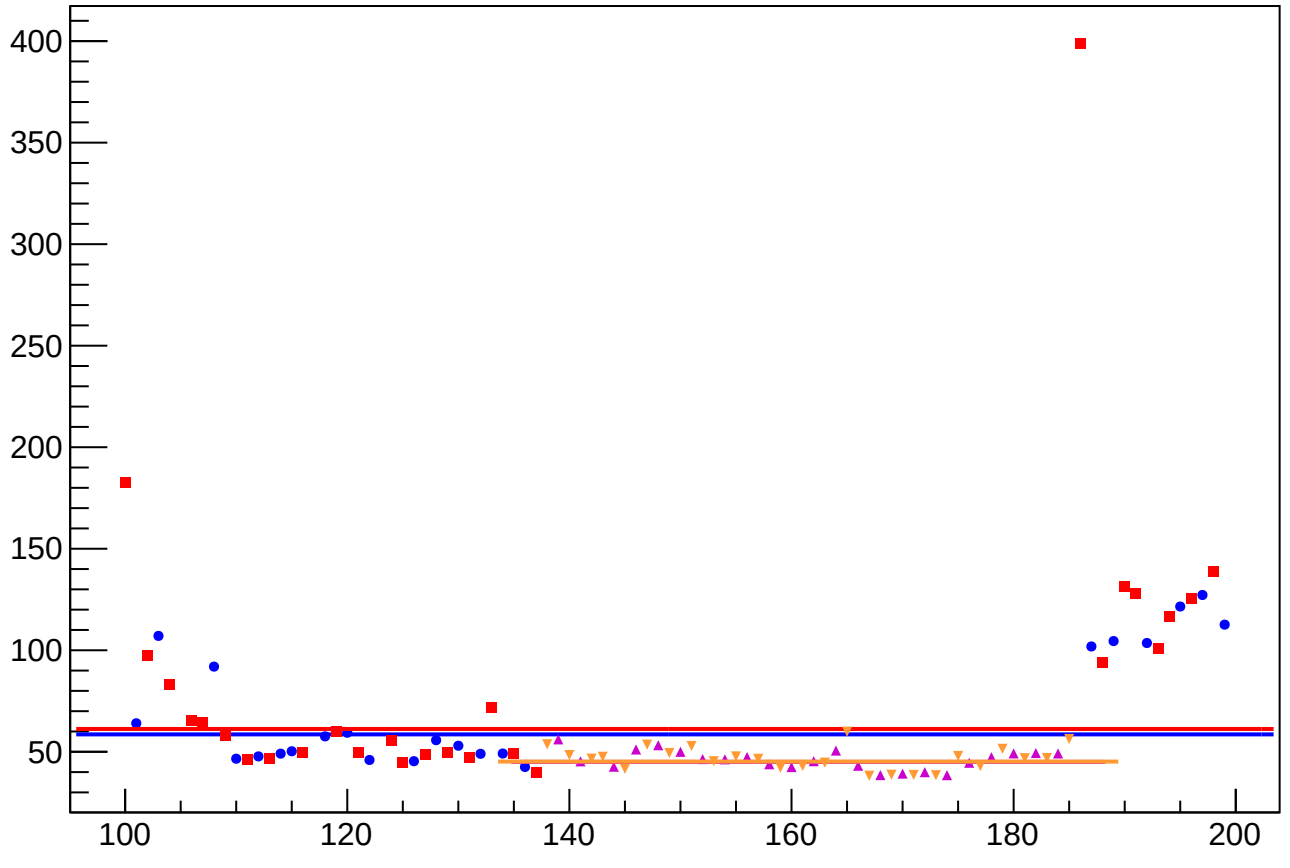
Left: -36.373+/-7.441 χ^2/NDF: 76.7/47

Right: 37.319+/-13.253 χ^2/NDF: 44.4/48

In: -15.371+/-9.256 χ^2/NDF:41.6/44

Out: -21.934+/-9.098 χ^2/NDF:102.8/51

All: -18.709+/-6.488 χ^2/NDF: 144.7/96



Right In: 58.569+/-0.013 χ^2/NDF: 2901153.0/21

Left Out: 45.175+/-0.007 χ^2/NDF:489860.2/24

Right Out: 61.243+/-0.013 χ^2/NDF: 3770290.3/26

Left In: 45.017+/-0.008 χ^2/NDF:372690.8/22

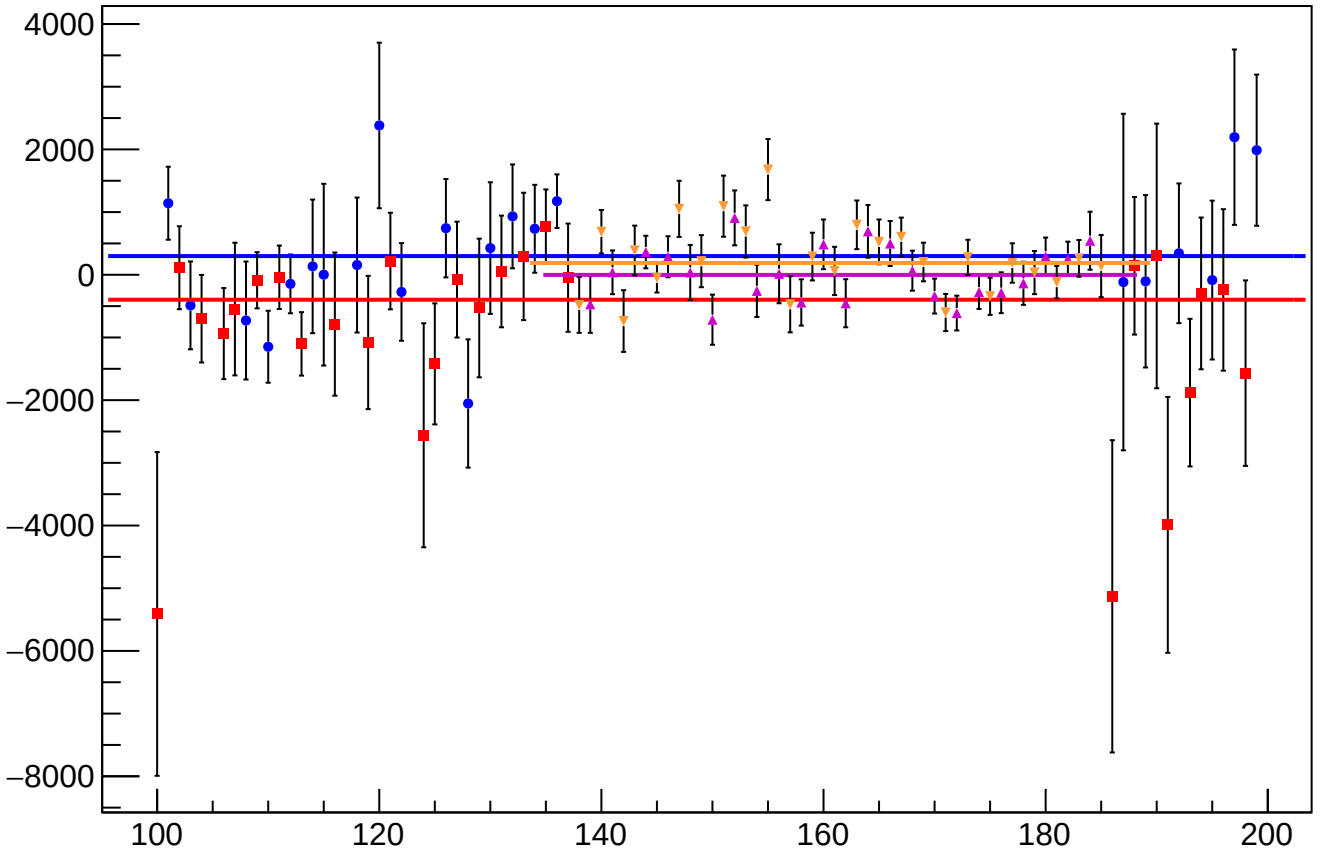
Left: 45.098+/-0.005 χ^2/NDF: 862775.1/47

Right: 59.894+/-0.009 χ^2/NDF: 6691801.8/48

In: 48.352+/-0.007 χ^2/NDF:4069115.7/44

Out: 48.928+/-0.006 χ^2/NDF:5376843.8/51

All: 48.645+/-0.005 χ^2/NDF: 9449899.6/96



Right In: 298.097+/-171.846 χ^2/NDF: 29.7/21

Left Out: 188.812+/-69.714 χ^2/NDF:46.8/24

Right Out: -397.813+/-164.201 χ^2/NDF: 25.9/26

Left In: -1.655+/-71.712 χ^2/NDF:32.2/22

Left: 96.270+/-49.987 χ^2/NDF: 82.6/47

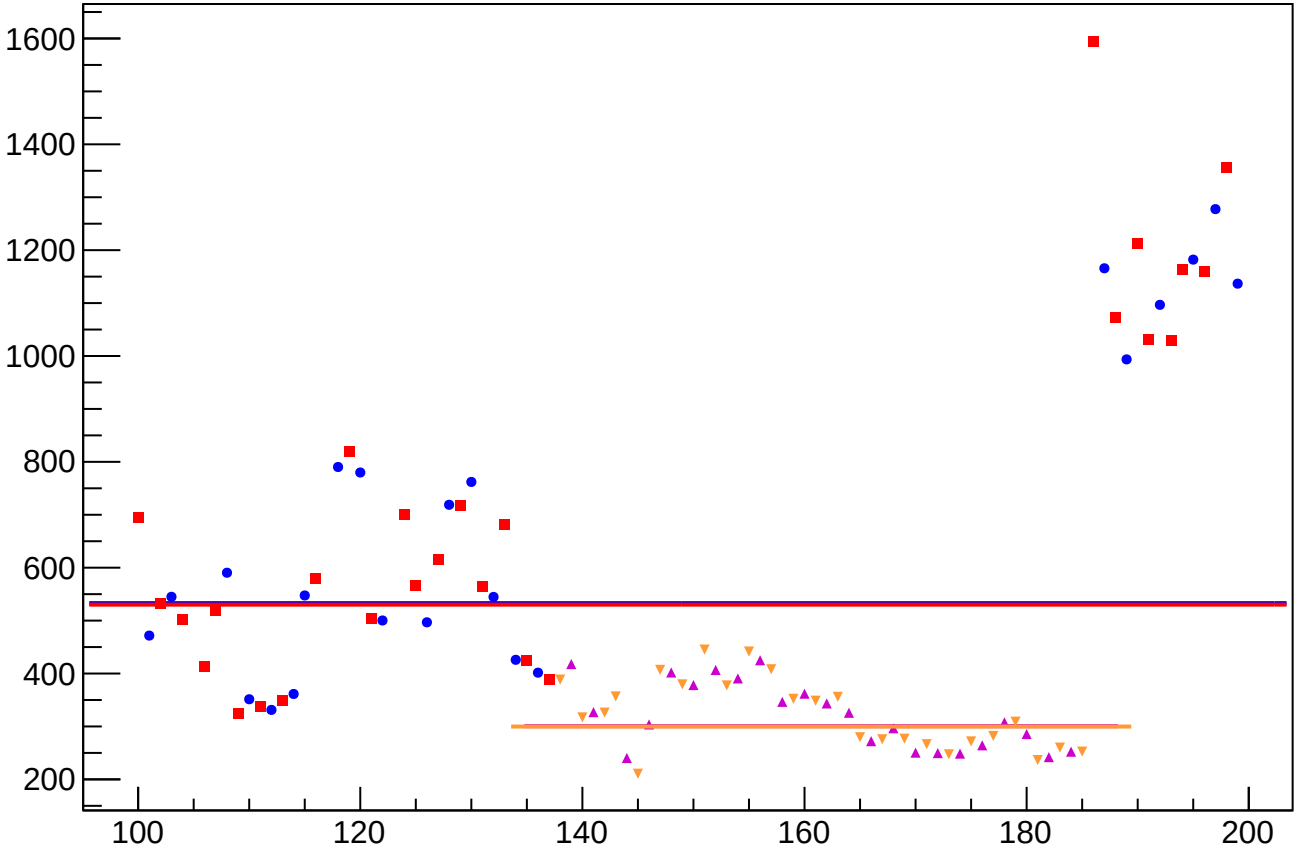
Right: -65.682+/-118.718 χ^2/NDF: 64.2/48

In: 42.803+/-66.181 χ^2/NDF:64.5/44

Out: 99.220+/-64.170 χ^2/NDF:83.5/51

All: 71.882+/-46.070 χ^2/NDF: 148.4/96

asym_sam_15_37_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 533.026+/-0.122 χ^2/NDF: 3681252.0/21

Left Out: 299.798+/-0.049 χ^2/NDF:1577420.4/24

Right Out: 530.166+/-0.116 χ^2/NDF: 4634163.7/26

Left In: 300.544+/-0.051 χ^2/NDF:1259270.5/22

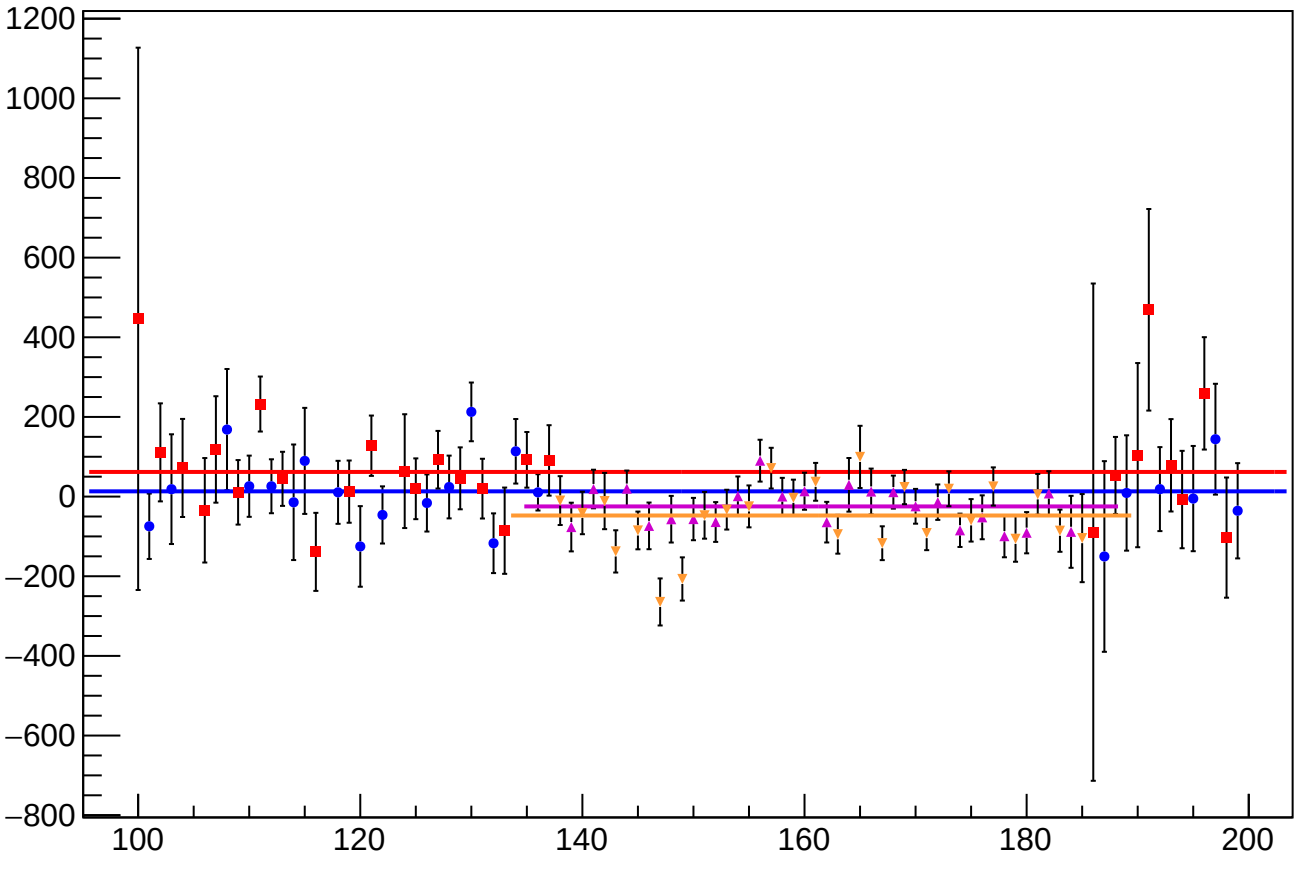
Left: 300.161+/-0.035 χ^2/NDF: 2836802.1/47

Right: 531.531+/-0.084 χ^2/NDF: 8315705.3/48

In: 335.025+/-0.047 χ^2/NDF:8058033.8/44

Out: 334.981+/-0.045 χ^2/NDF:9546976.7/51

All: 335.002+/-0.033 χ^2/NDF: 17605011.0/96



Right In: 13.174+/-18.660 χ^2/NDF: 18.8/21

Left Out: -47.480+/-10.392 χ^2/NDF:54.7/24

Right Out: 61.895+/-18.825 χ^2/NDF: 22.3/26

Left In: -24.687+/-10.660 χ^2/NDF:19.7/22

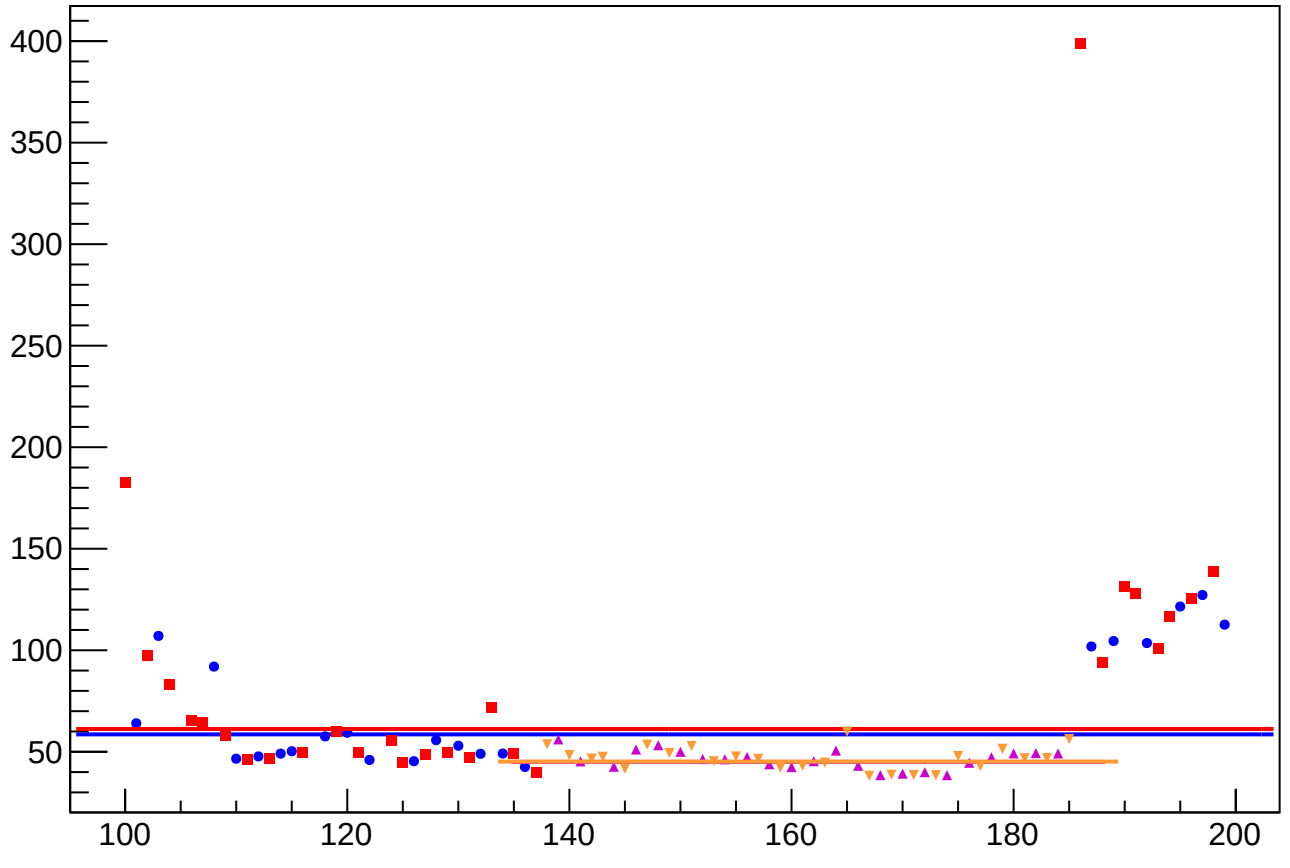
Left: -36.373+/-7.441 χ^2/NDF: 76.7/47

Right: 37.319+/-13.253 χ^2/NDF: 44.4/48

In: -15.371+/-9.256 χ^2/NDF:41.6/44

Out: -21.934+/-9.098 χ^2/NDF:102.8/51

All: -18.709+/-6.488 χ^2/NDF: 144.7/96



Right In: 58.569+/-0.013 χ^2/NDF: 2901159.4/21

Left Out: 45.175+/-0.007 χ^2/NDF:489860.2/24

Right Out: 61.243+/-0.013 χ^2/NDF: 3770295.0/26

Left In: 45.017+/-0.008 χ^2/NDF:372691.9/22

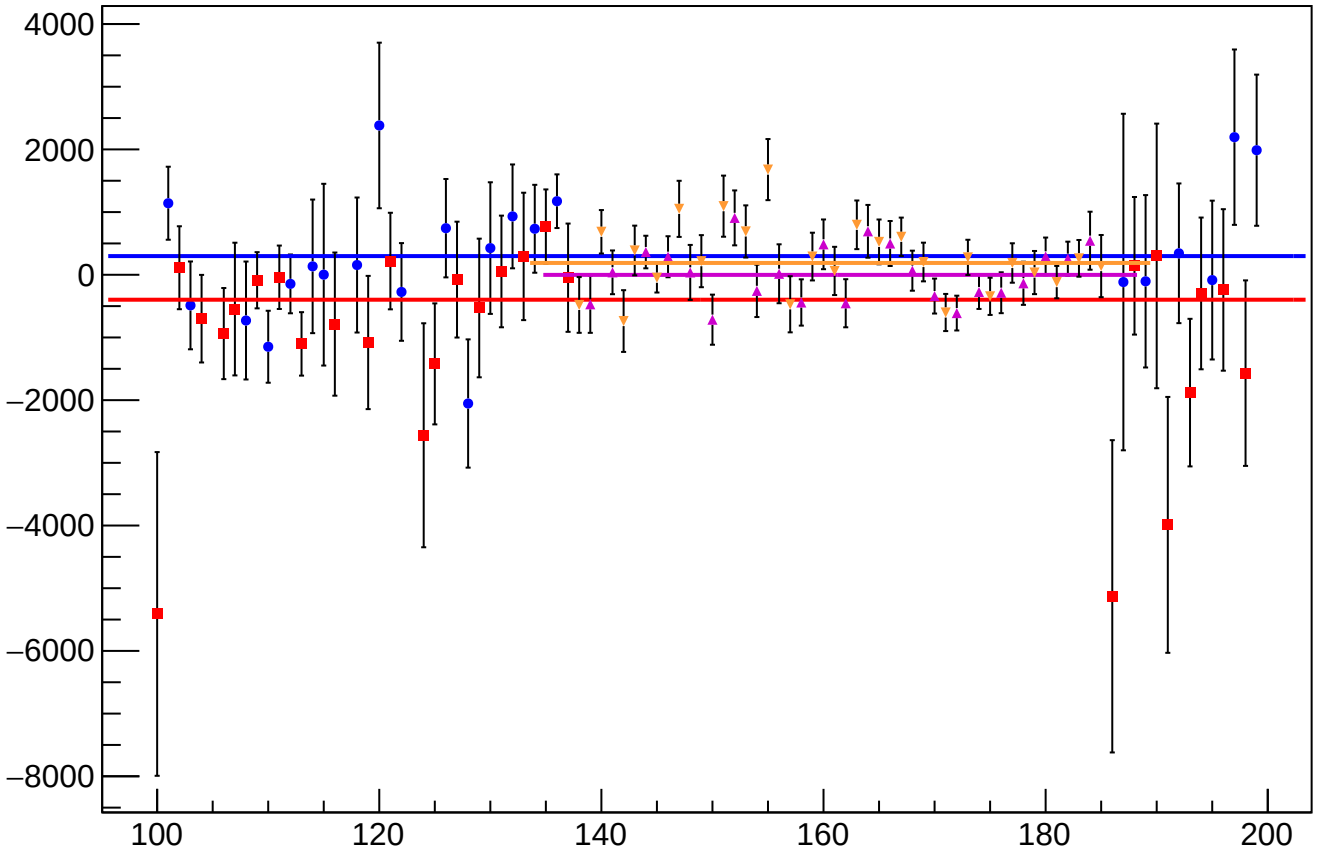
Left: 45.098+/-0.005 χ^2/NDF: 862776.2/47

Right: 59.894+/-0.009 χ^2/NDF: 6691813.4/48

In: 48.352+/-0.007 χ^2/NDF:4069120.7/44

Out: 48.928+/-0.006 χ^2/NDF:5376855.7/51

All: 48.645+/-0.005 χ^2/NDF: 9449916.1/96



Right In: 298.096+/-171.846 χ^2/NDF: 29.7/21

Left Out: 188.813+/-69.714 χ^2/NDF:46.8/24

Right Out: -397.813+/-164.201 χ^2/NDF: 25.9/26

Left In: -1.654+/-71.712 χ^2/NDF:32.2/22

Left: 96.270+/-49.987 χ^2/NDF: 82.6/47

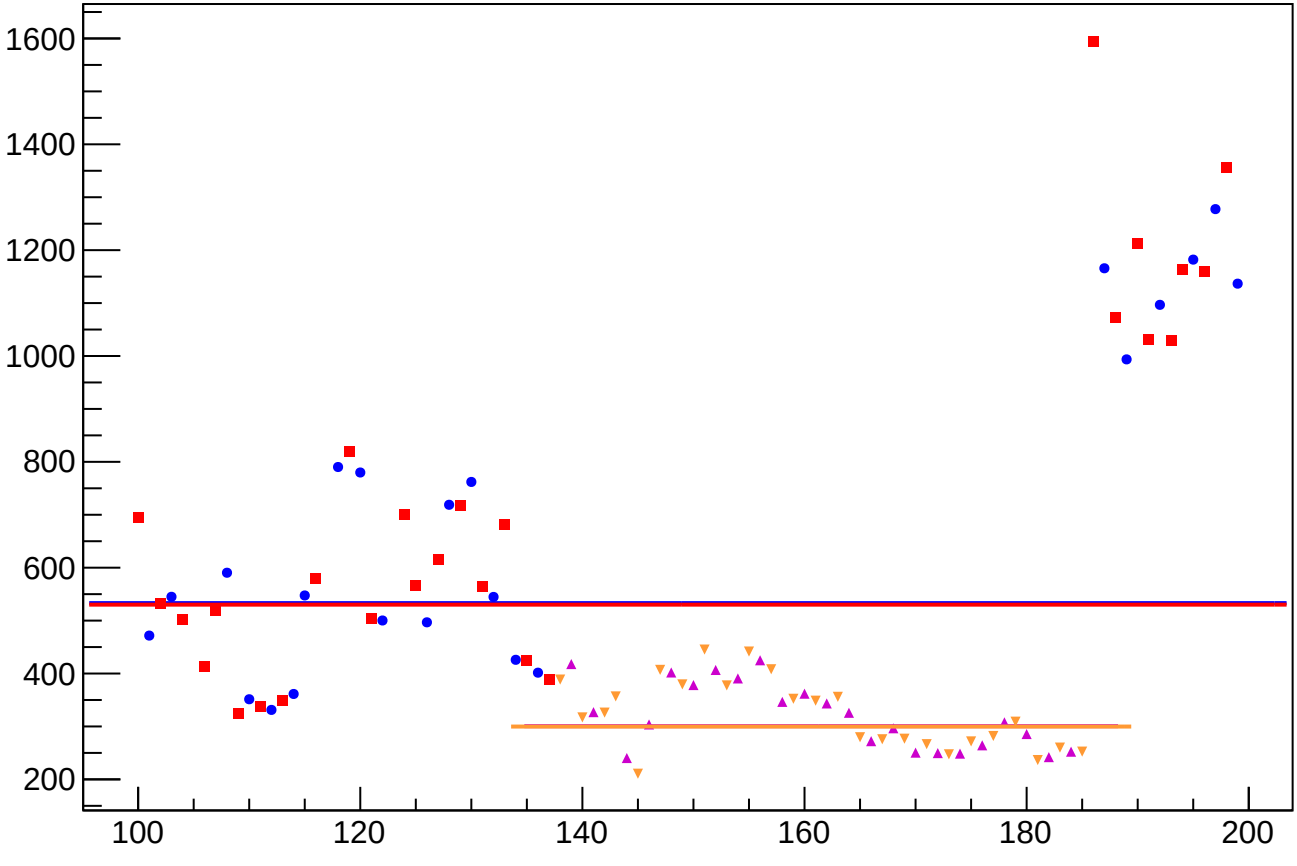
Right: -65.683+/-118.718 χ^2/NDF: 64.2/48

In: 42.804+/-66.181 χ^2/NDF:64.5/44

Out: 99.220+/-64.170 χ^2/NDF:83.5/51

All: 71.882+/-46.070 χ^2/NDF: 148.4/96

asym_sam_15_37_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 533.025+/-0.122 χ^2/NDF: 3681258.7/21

Left Out: 299.798+/-0.049 χ^2/NDF:1577421.4/24

Right Out: 530.165+/-0.116 χ^2/NDF: 4634166.3/26

Left In: 300.544+/-0.051 χ^2/NDF:1259265.2/22

Left: 300.161+/-0.035 χ^2/NDF: 2836797.9/47

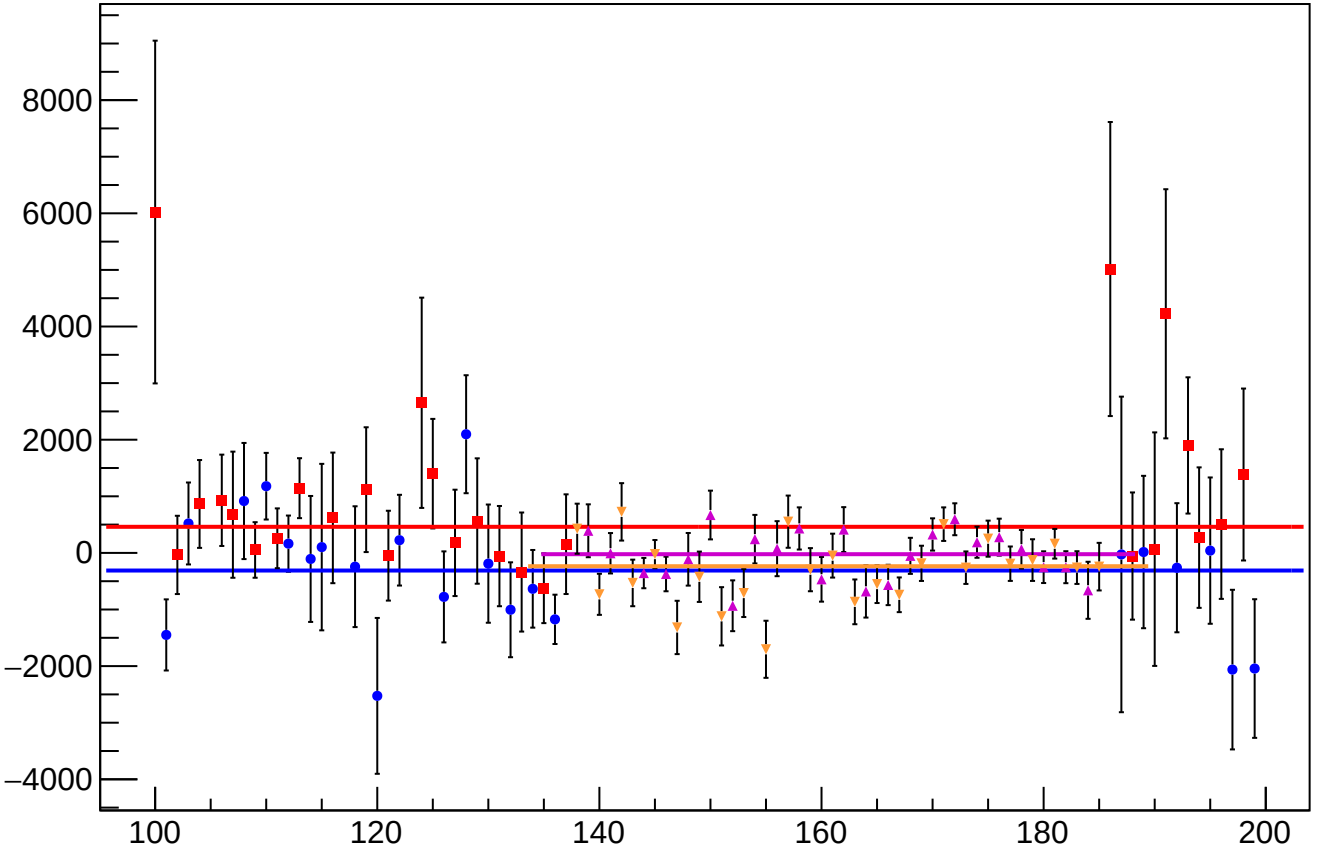
Right: 531.530+/-0.084 χ^2/NDF: 8315714.5/48

In: 335.025+/-0.047 χ^2/NDF:8058006.6/44

Out: 334.981+/-0.045 χ^2/NDF:9546956.6/51

All: 335.002+/-0.033 χ^2/NDF: 17604963.7/96

asym_sam_15_37_dd_mean vs Slug, Sign Corrected



Right In: -311.316+/-176.833 χ^2/NDF: 30.7/21

Left Out: -235.168+/-70.741 χ^2/NDF:47.5/24

Right Out: 461.160+/-172.014 χ^2/NDF: 22.5/26

Left In: -22.662+/-72.642 χ^2/NDF:29.9/22

Left: -131.732+/-50.680 χ^2/NDF: 81.7/47

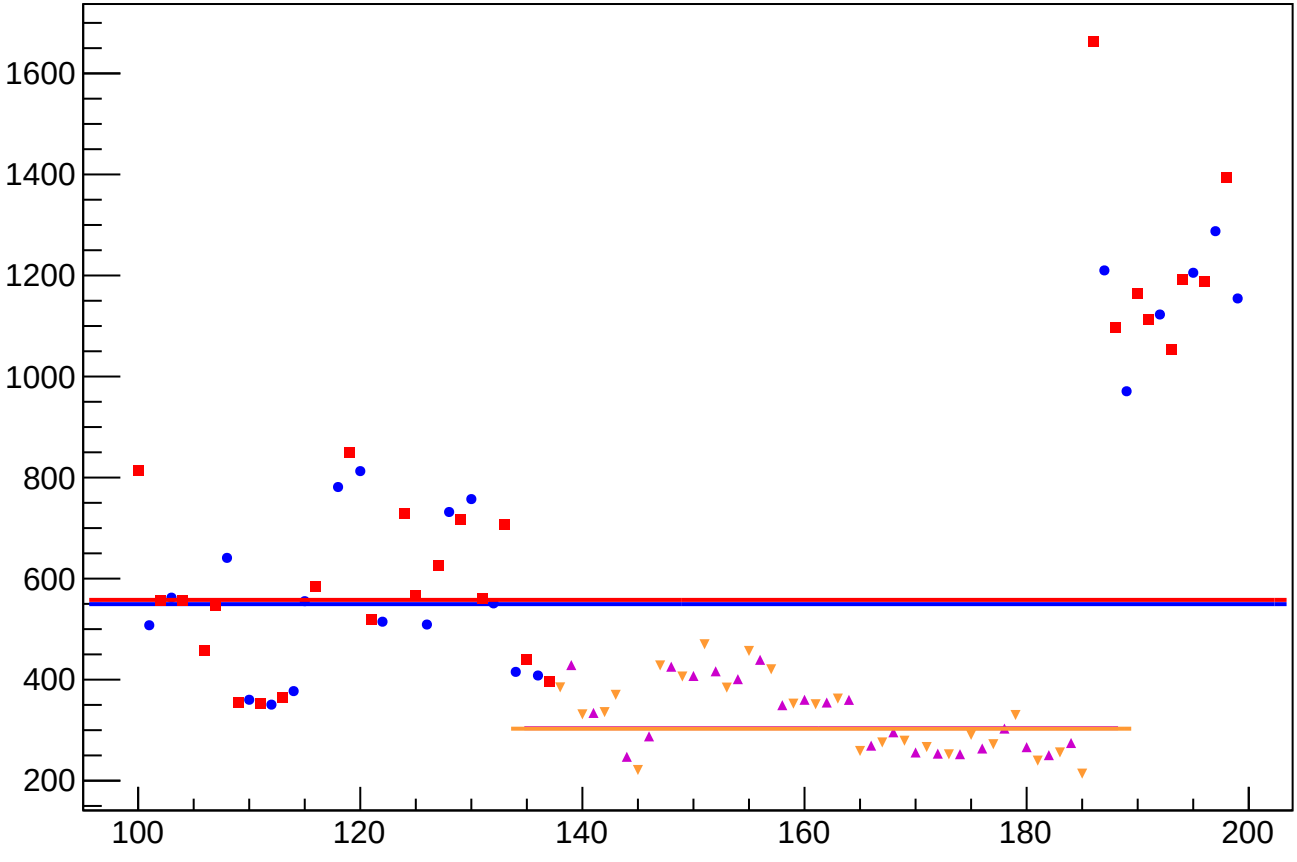
Right: 85.591+/-123.301 χ^2/NDF: 63.0/48

In: -64.340+/-67.194 χ^2/NDF:62.8/44

Out: -134.436+/-65.425 χ^2/NDF:83.9/51

All: -100.323+/-46.875 χ^2/NDF: 147.3/96

asym_sam_15_37_dd_rms vs Slug, Sign Corrected



Right In: 549.461+/-0.125 χ^2/NDF: 3569447.3/21

Left Out: 302.944+/-0.050 χ^2/NDF:1766061.8/24

Right Out: 557.883+/-0.122 χ^2/NDF: 4398241.9/26

Left In: 303.923+/-0.051 χ^2/NDF:1376278.3/22

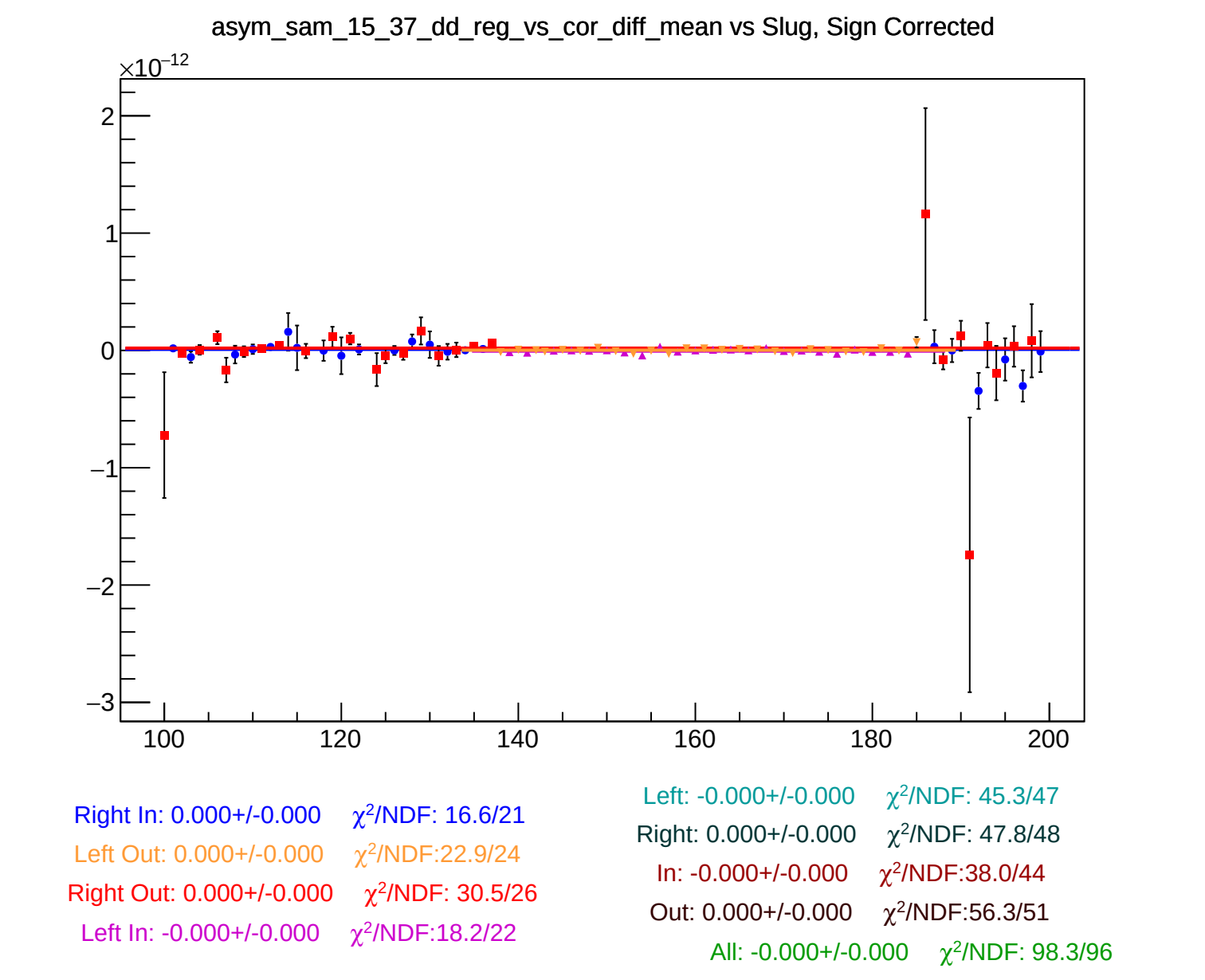
Left: 303.420+/-0.036 χ^2/NDF: 3142526.7/47

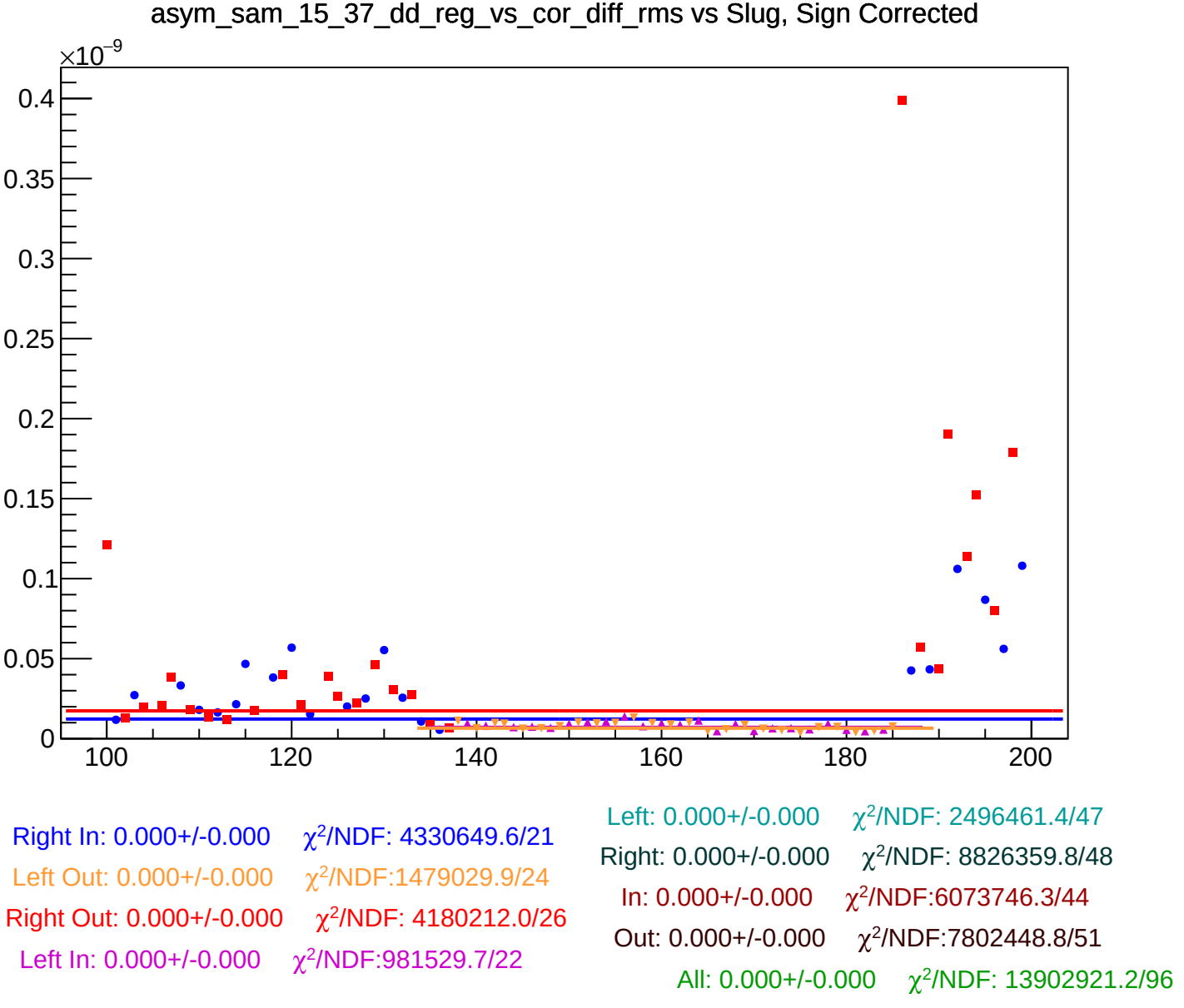
Right: 553.788+/-0.087 χ^2/NDF: 7970020.5/48

In: 339.375+/-0.048 χ^2/NDF:8244974.3/44

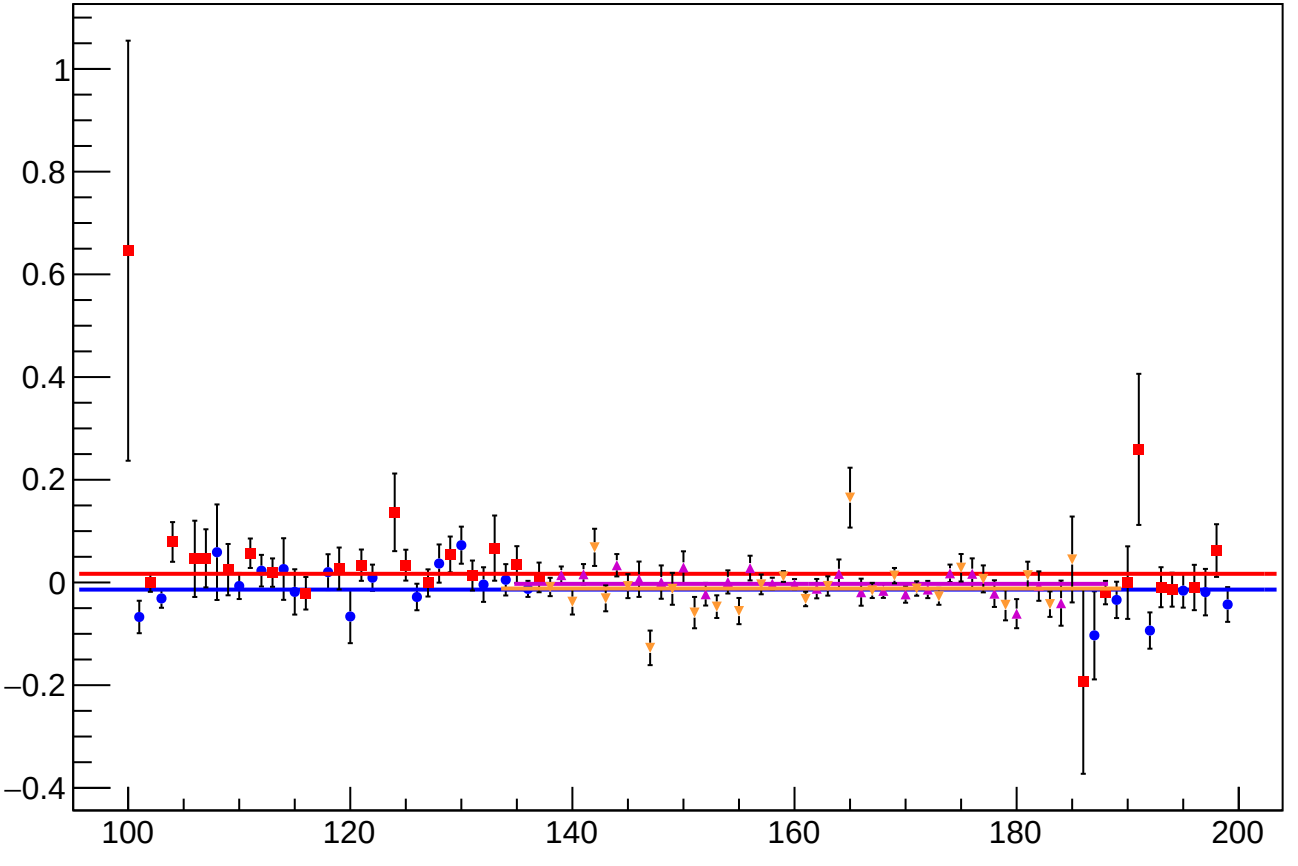
Out: 339.824+/-0.046 χ^2/NDF:9921936.6/51

All: 339.605+/-0.033 χ^2/NDF: 18166956.6/96


asym_sam_15_37_dd_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: 16.6/21
Left Out: 0.000+/-0.000 χ²/NDF:22.9/24
Right Out: 0.000+/-0.000 χ²/NDF: 30.5/26
Left In: -0.000+/-0.000 χ²/NDF:18.2/22
Left: -0.000+/-0.000 χ²/NDF: 45.3/47
Right: 0.000+/-0.000 χ²/NDF: 47.8/48
In: -0.000+/-0.000 χ²/NDF:38.0/44
Out: 0.000+/-0.000 χ²/NDF:56.3/51
All: -0.000+/-0.000 χ²/NDF: 98.3/96


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: 4330649.6/21
Left Out: 0.000+/-0.000 χ²/NDF:1479029.9/24
Right Out: 0.000+/-0.000 χ²/NDF: 4180212.0/26
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: 8826359.8/48
In: 0.000+/-0.000 χ²/NDF:6073746.3/44
Out: 0.000+/-0.000 χ²/NDF:7802448.8/51
All: 0.000+/-0.000 χ²/NDF: 13902921.2/96

asym_sam_15_37_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.014+/-0.007 χ^2/NDF: 24.7/21

Left Out: -0.012+/-0.004 χ^2/NDF:53.4/24

Right Out: 0.017+/-0.007 χ^2/NDF: 24.6/26

Left In: -0.003+/-0.004 χ^2/NDF:19.8/22

Left: -0.007+/-0.003 χ^2/NDF: 75.7/47

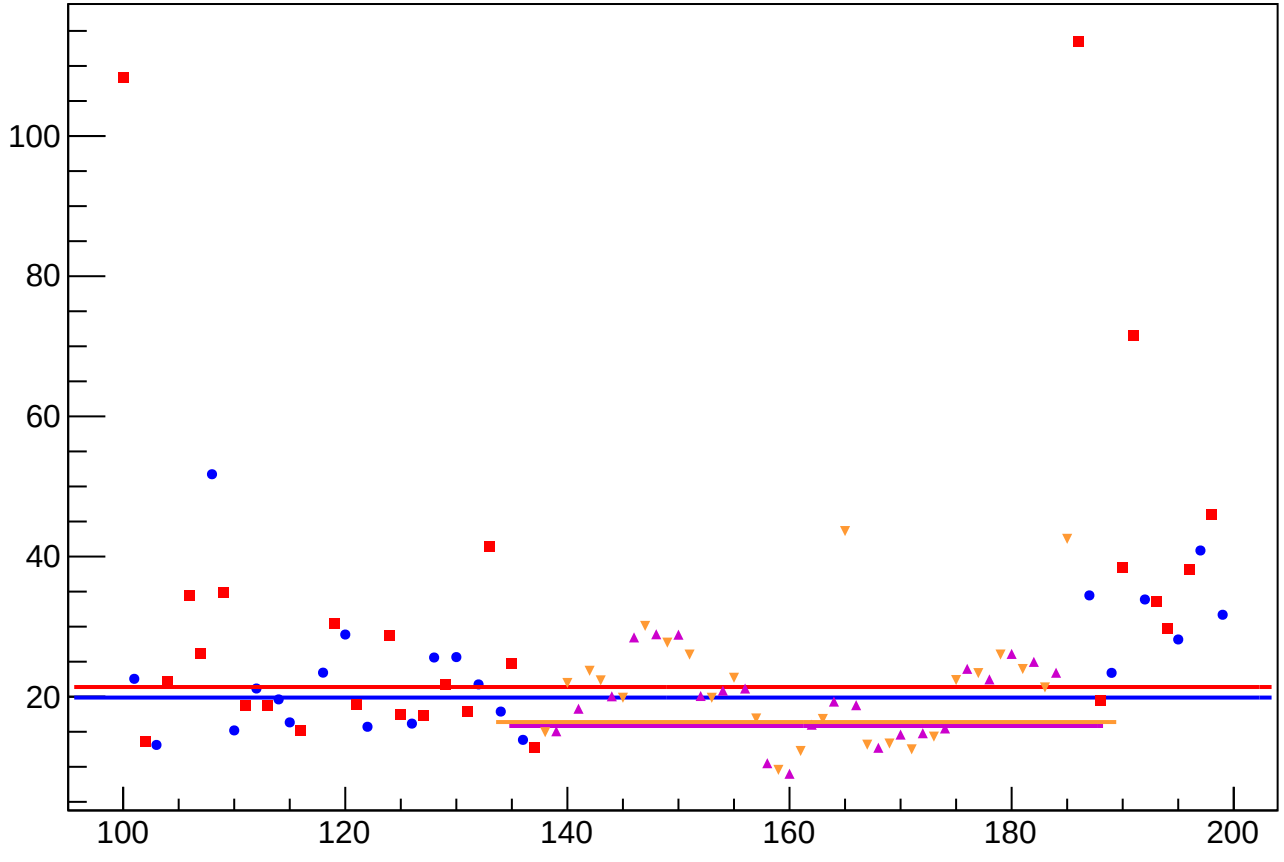
Right: 0.001+/-0.005 χ^2/NDF: 59.8/48

In: -0.006+/-0.003 χ^2/NDF:46.6/44

Out: -0.004+/-0.003 χ^2/NDF:91.0/51

All: -0.005+/-0.002 χ^2/NDF: 137.7/96

asym_sam_15_37_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 19.881+/-0.005 χ^2/NDF: 2387012.7/21

Left Out: 16.387+/-0.003 χ^2/NDF:4030028.3/24

Right Out: 21.385+/-0.005 χ^2/NDF: 3388065.6/26

Left In: 15.824+/-0.003 χ^2/NDF:3654469.7/22

Left: 16.104+/-0.002 χ^2/NDF: 7703852.9/47

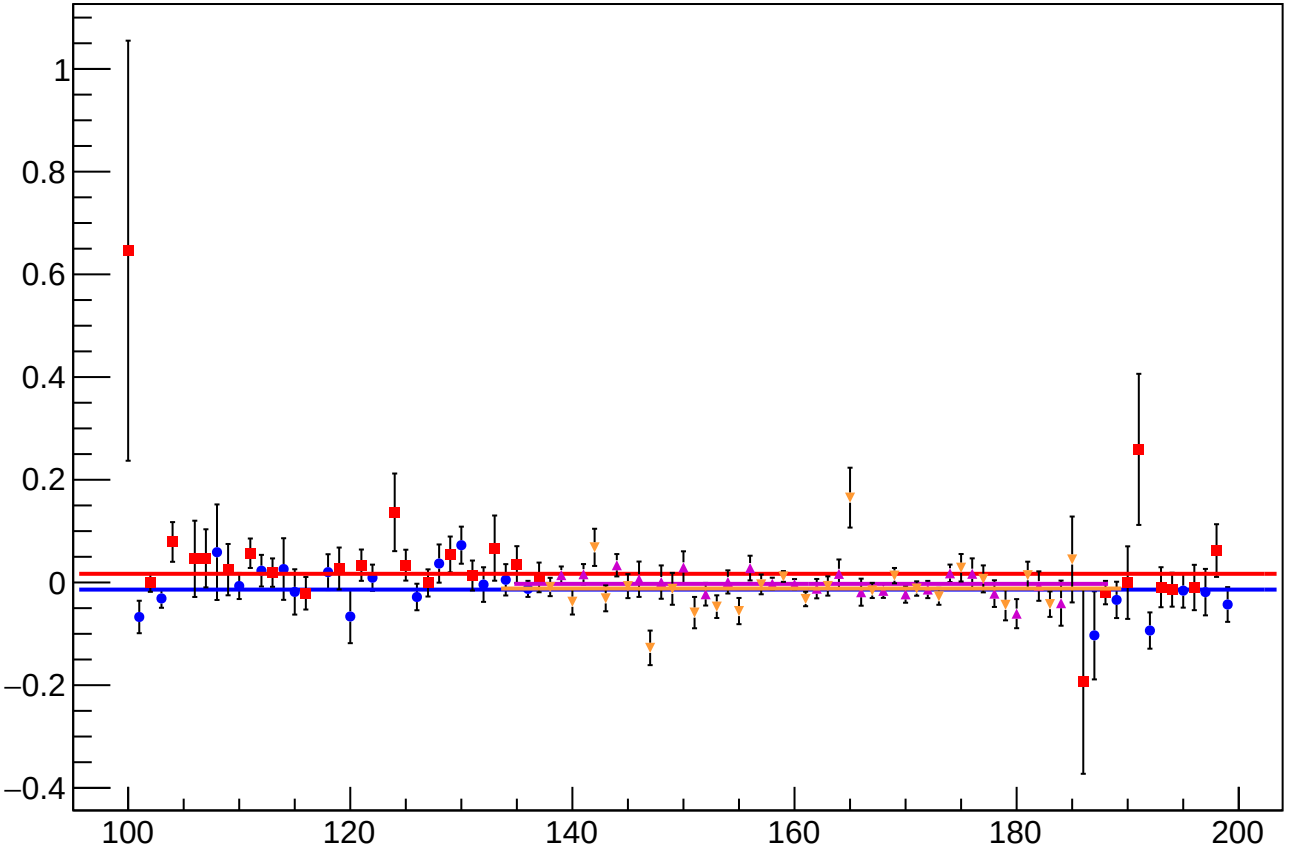
Right: 20.600+/-0.003 χ^2/NDF: 5825496.8/48

In: 16.942+/-0.002 χ^2/NDF:6597308.5/44

Out: 17.691+/-0.002 χ^2/NDF:8206429.3/51

All: 17.310+/-0.002 χ^2/NDF: 14850507.6/96

asym_sam_15_37_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.014+/-0.007 χ^2/NDF: 24.7/21

Left Out: -0.012+/-0.004 χ^2/NDF:53.4/24

Right Out: 0.017+/-0.007 χ^2/NDF: 24.6/26

Left In: -0.003+/-0.004 χ^2/NDF:19.8/22

Left: -0.007+/-0.003 χ^2/NDF: 75.7/47

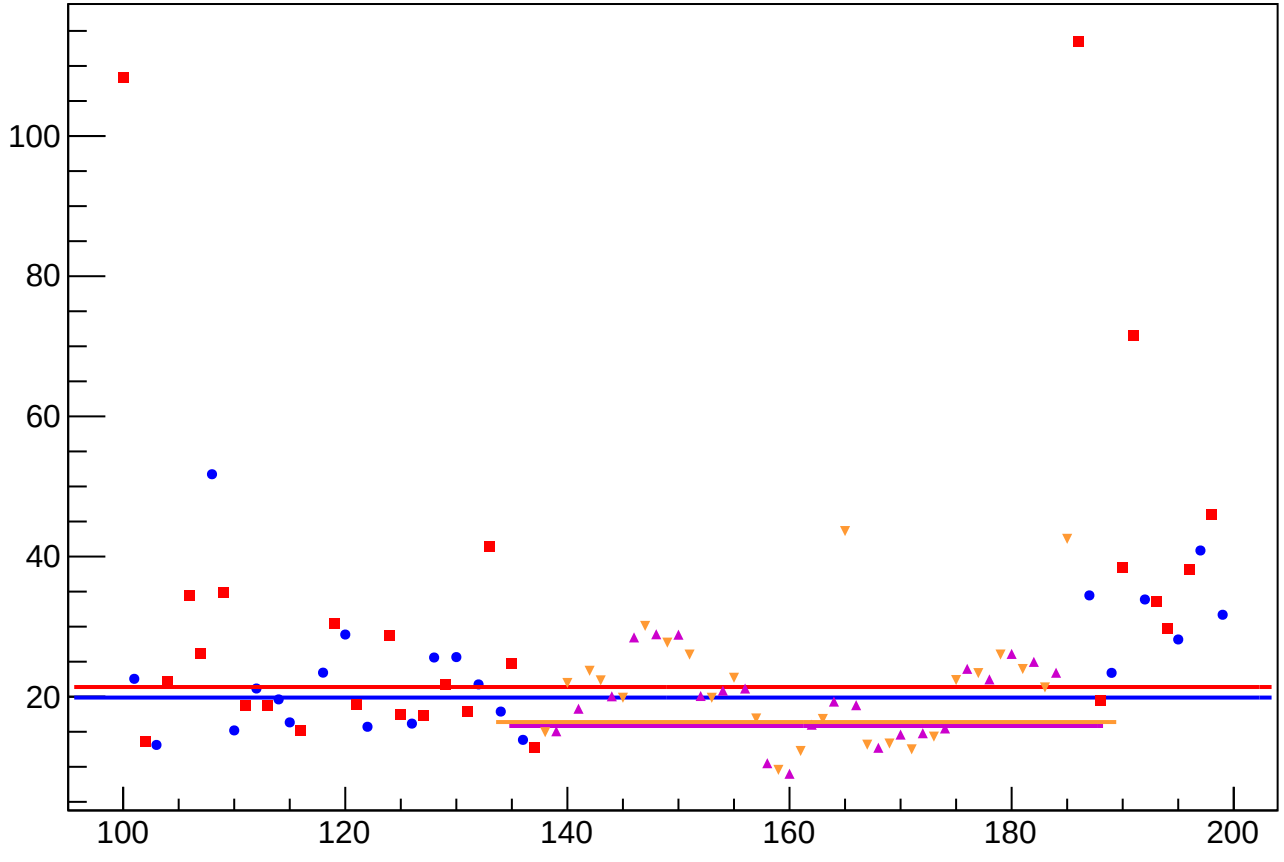
Right: 0.001+/-0.005 χ^2/NDF: 59.8/48

In: -0.006+/-0.003 χ^2/NDF:46.6/44

Out: -0.004+/-0.003 χ^2/NDF:91.0/51

All: -0.005+/-0.002 χ^2/NDF: 137.7/96

asym_sam_15_37_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 19.881+/-0.005 χ^2/NDF: 2387012.7/21

Left Out: 16.387+/-0.003 χ^2/NDF:4030028.3/24

Right Out: 21.385+/-0.005 χ^2/NDF: 3388065.6/26

Left In: 15.824+/-0.003 χ^2/NDF:3654469.7/22

Left: 16.104+/-0.002 χ^2/NDF: 7703852.9/47

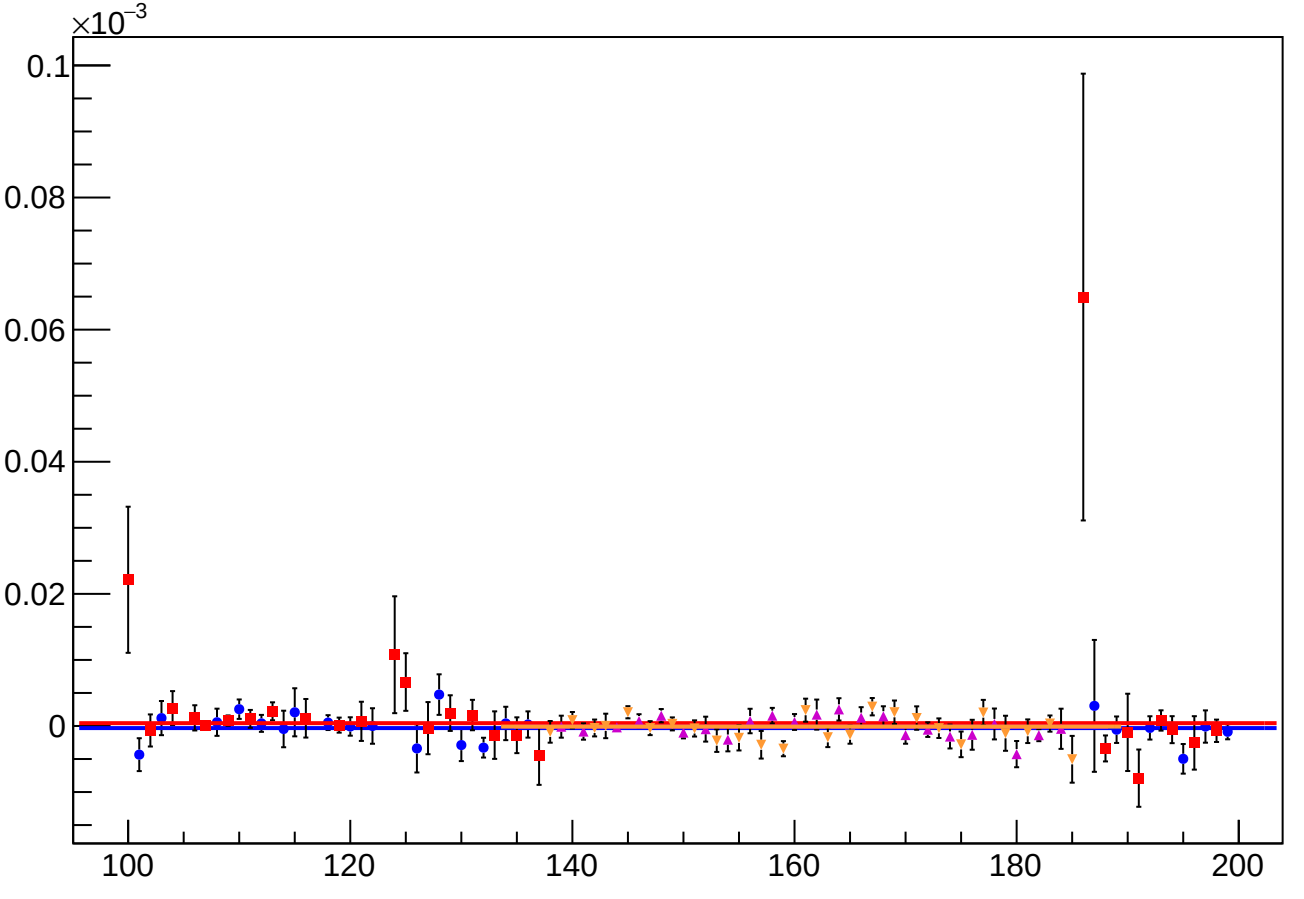
Right: 20.600+/-0.003 χ^2/NDF: 5825496.8/48

In: 16.942+/-0.002 χ^2/NDF:6597308.5/44

Out: 17.691+/-0.002 χ^2/NDF:8206429.3/51

All: 17.310+/-0.002 χ^2/NDF: 14850507.6/96

asym_sam_15_37_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 21.6/21

Left Out: -0.000+/-0.000 χ^2/NDF:36.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 26.0/26

Left In: -0.000+/-0.000 χ^2/NDF:21.9/22

Left: -0.000+/-0.000 χ^2/NDF: 58.1/47

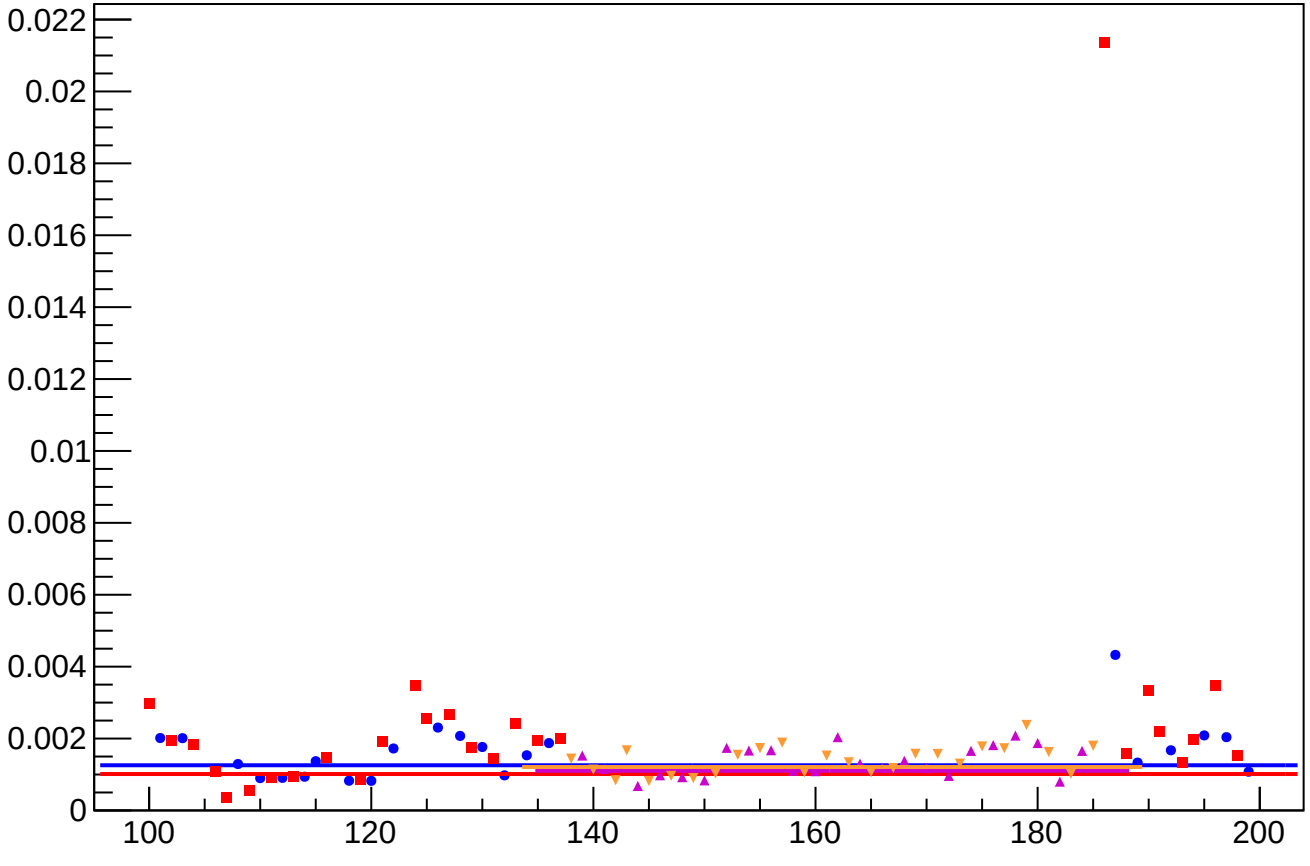
Right: 0.000+/-0.000 χ^2/NDF: 49.5/48

In: -0.000+/-0.000 χ^2/NDF:43.7/44

Out: 0.000+/-0.000 χ^2/NDF:63.4/51

All: -0.000+/-0.000 χ^2/NDF: 108.0/96

asym_sam_15_37_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 2710770.3/21

Left Out: 0.001+/-0.000 χ^2/NDF:2720984.6/24

Right Out: 0.001+/-0.000 χ^2/NDF: 7525090.2/26

Left In: 0.001+/-0.000 χ^2/NDF:3494983.4/22

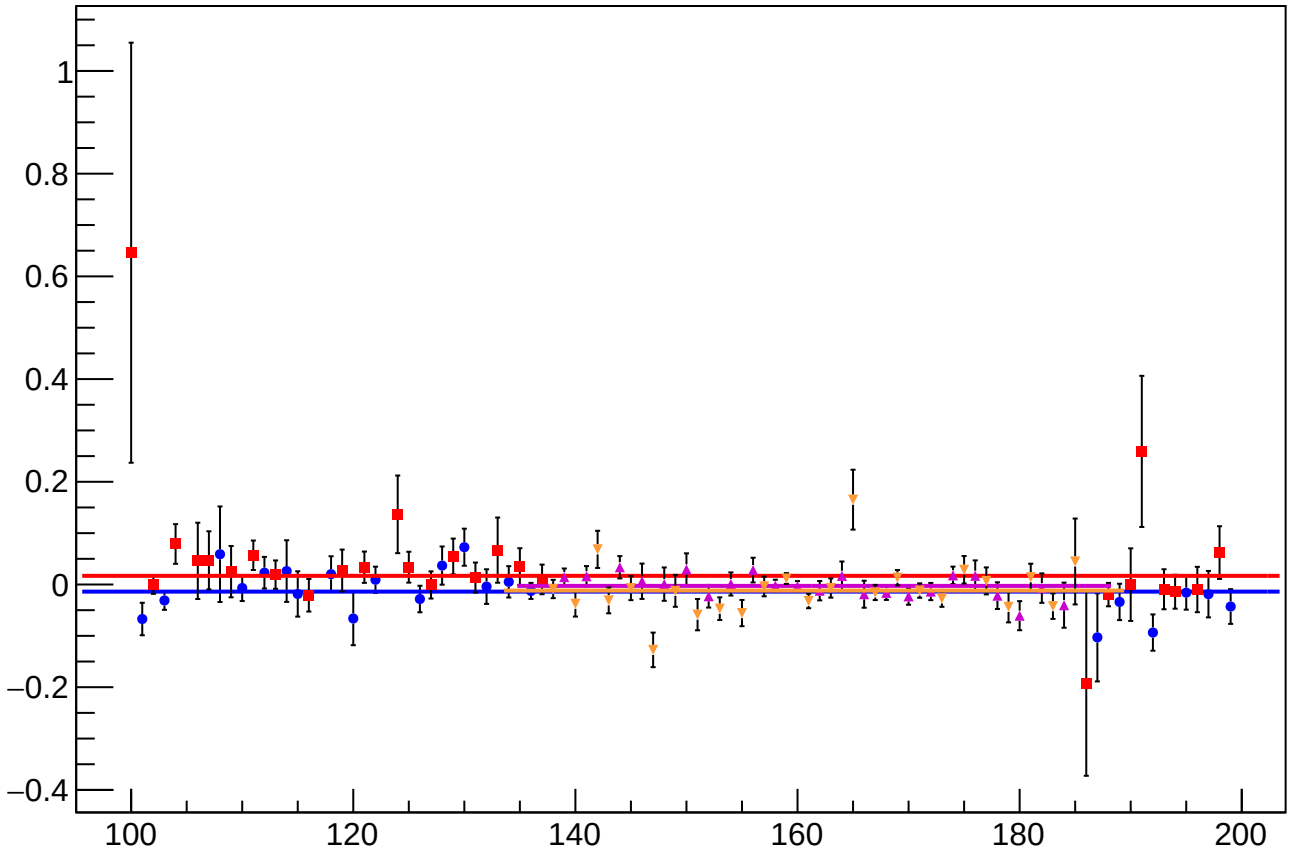
Left: 0.001+/-0.000 χ^2/NDF: 6352461.8/47

Right: 0.001+/-0.000 χ^2/NDF: 10657588.8/48

In: 0.001+/-0.000 χ^2/NDF:6404650.6/44

Out: 0.001+/-0.000 χ^2/NDF:10617143.7/51

All: 0.001+/-0.000 χ^2/NDF: 17033332.4/96



Right In: -0.014+/-0.007 χ^2/NDF: 24.7/21

Left Out: -0.012+/-0.004 χ^2/NDF:53.4/24

Right Out: 0.017+/-0.007 χ^2/NDF: 24.6/26

Left In: -0.003+/-0.004 χ^2/NDF:19.8/22

Left: -0.007+/-0.003 χ^2/NDF: 75.7/47

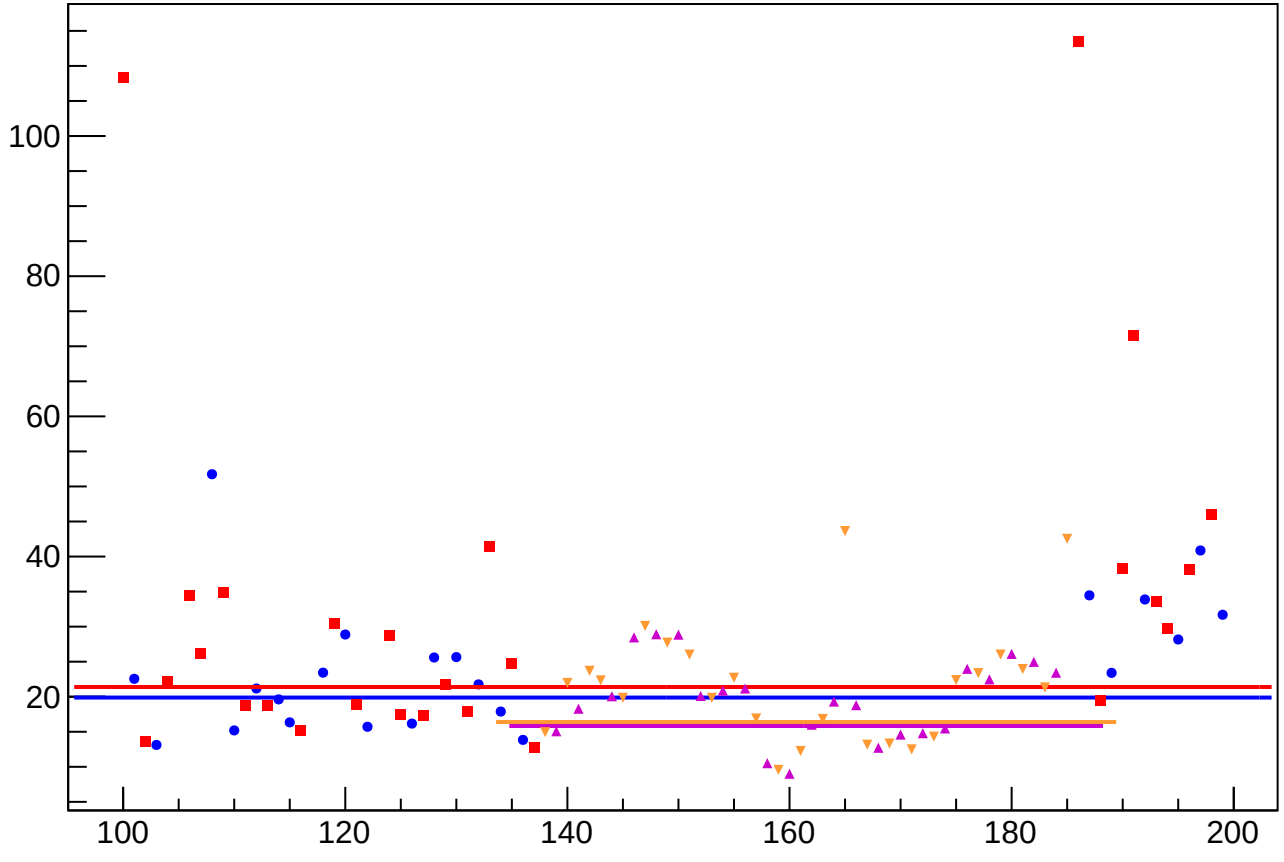
Right: 0.001+/-0.005 χ^2/NDF: 59.8/48

In: -0.006+/-0.003 χ^2/NDF:46.6/44

Out: -0.004+/-0.003 χ^2/NDF:91.0/51

All: -0.005+/-0.002 χ^2/NDF: 137.7/96

asym_sam_15_37_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 19.881+/-0.005 χ^2/NDF: 2387023.5/21

Left Out: 16.387+/-0.003 χ^2/NDF:4030277.2/24

Right Out: 21.386+/-0.005 χ^2/NDF: 3387829.9/26

Left In: 15.823+/-0.003 χ^2/NDF:3654834.3/22

Left: 16.104+/-0.002 χ^2/NDF: 7704470.7/47

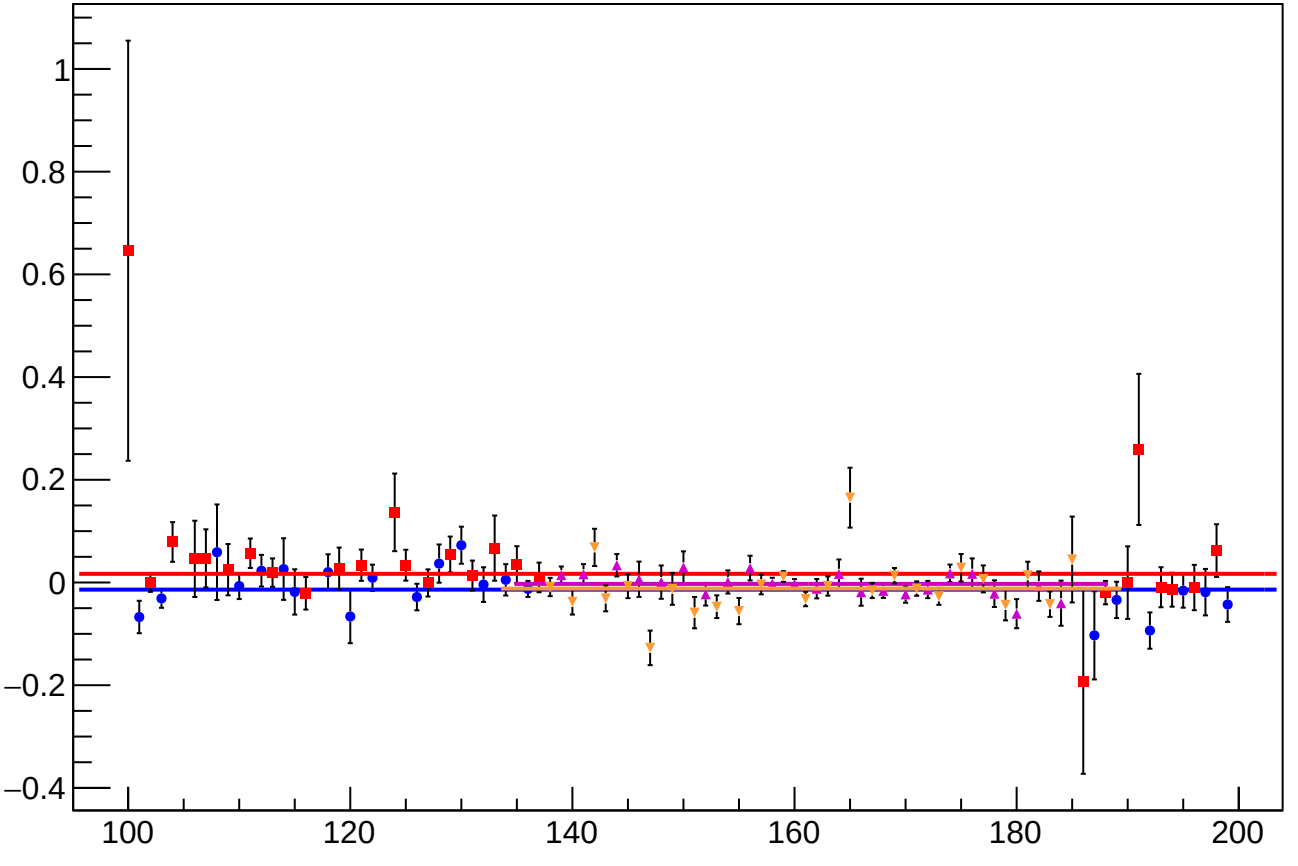
Right: 20.601+/-0.003 χ^2/NDF: 5825301.8/48

In: 16.941+/-0.002 χ^2/NDF:6597771.5/44

Out: 17.691+/-0.002 χ^2/NDF:8206655.6/51

All: 17.310+/-0.002 χ^2/NDF: 14851213.6/96

asym_sam_15_37_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.014+/-0.007 χ^2/NDF: 24.7/21

Left Out: -0.012+/-0.004 χ^2/NDF:53.4/24

Right Out: 0.017+/-0.007 χ^2/NDF: 24.6/26

Left In: -0.003+/-0.004 χ^2/NDF:19.8/22

Left: -0.007+/-0.003 χ^2/NDF: 75.7/47

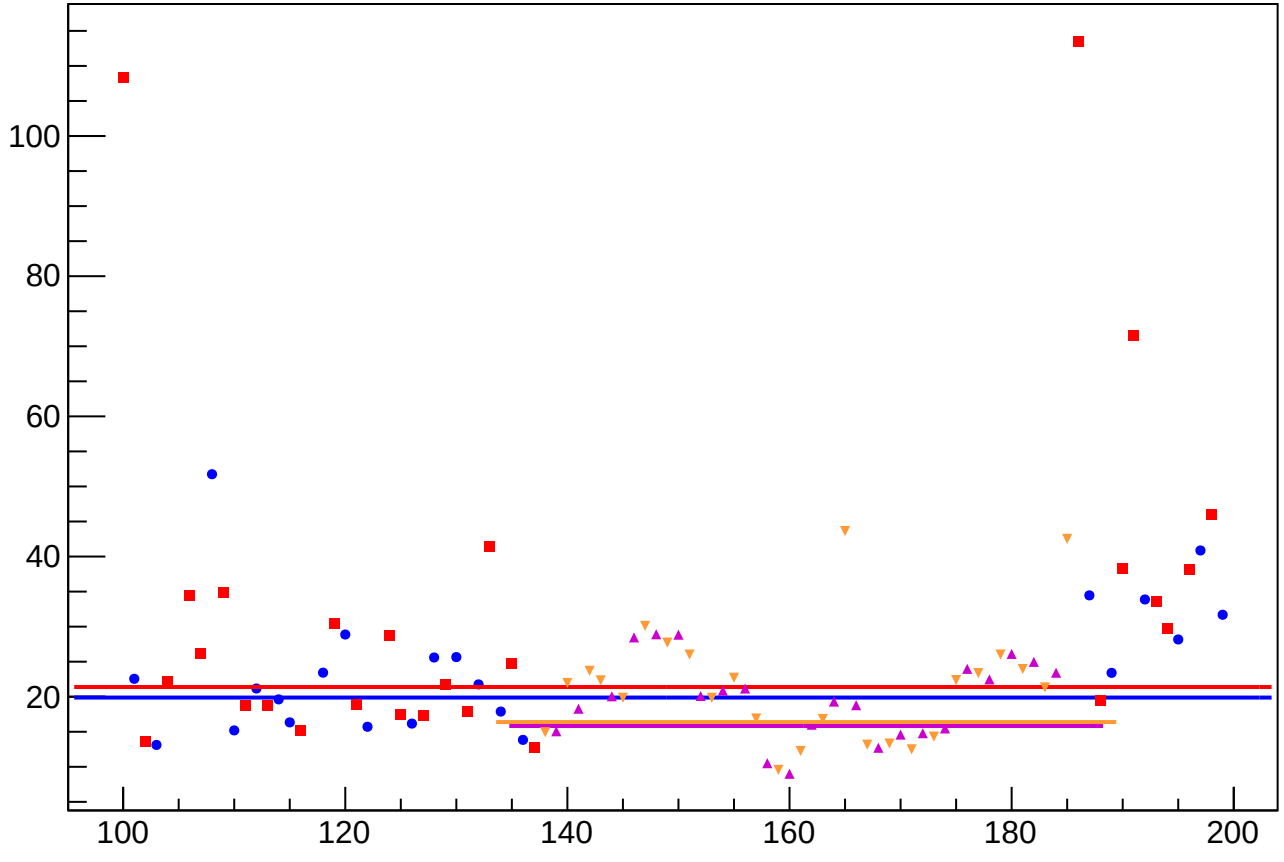
Right: 0.001+/-0.005 χ^2/NDF: 59.8/48

In: -0.006+/-0.003 χ^2/NDF:46.6/44

Out: -0.004+/-0.003 χ^2/NDF:91.0/51

All: -0.005+/-0.002 χ^2/NDF: 137.7/96

asym_sam_15_37_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 19.881+/-0.005 χ^2/NDF: 2387023.5/21

Left Out: 16.387+/-0.003 χ^2/NDF:4030277.2/24

Right Out: 21.386+/-0.005 χ^2/NDF: 3387829.9/26

Left In: 15.823+/-0.003 χ^2/NDF:3654834.3/22

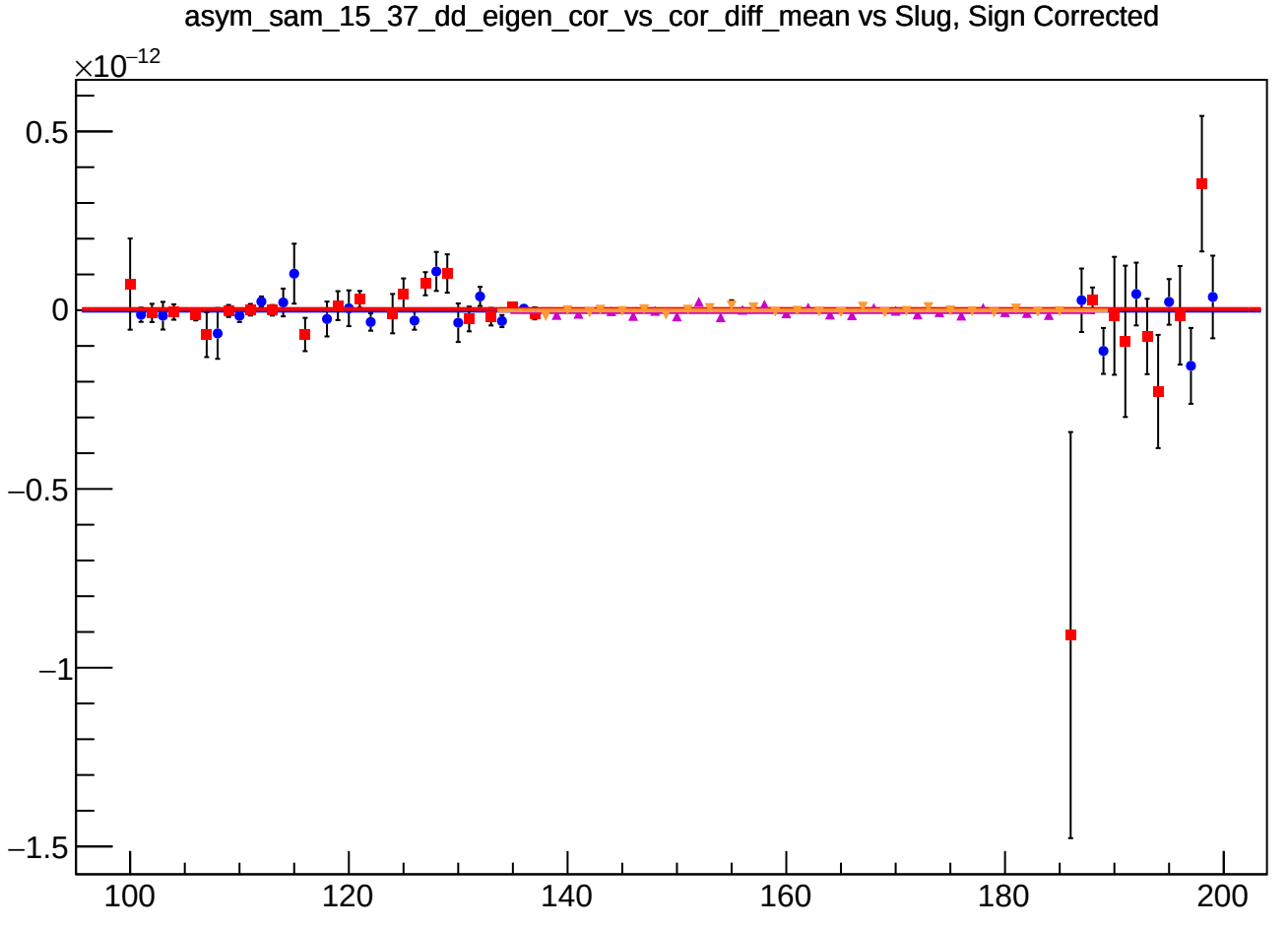
Left: 16.104+/-0.002 χ^2/NDF: 7704470.7/47

Right: 20.601+/-0.003 χ^2/NDF: 5825301.8/48

In: 16.941+/-0.002 χ^2/NDF:6597771.5/44

Out: 17.691+/-0.002 χ^2/NDF:8206655.6/51

All: 17.310+/-0.002 χ^2/NDF: 14851213.6/96



Right In: -0.000+/-0.000 χ^2/NDF: 26.1/21

Left Out: -0.000+/-0.000 χ^2/NDF:19.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 28.5/26

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

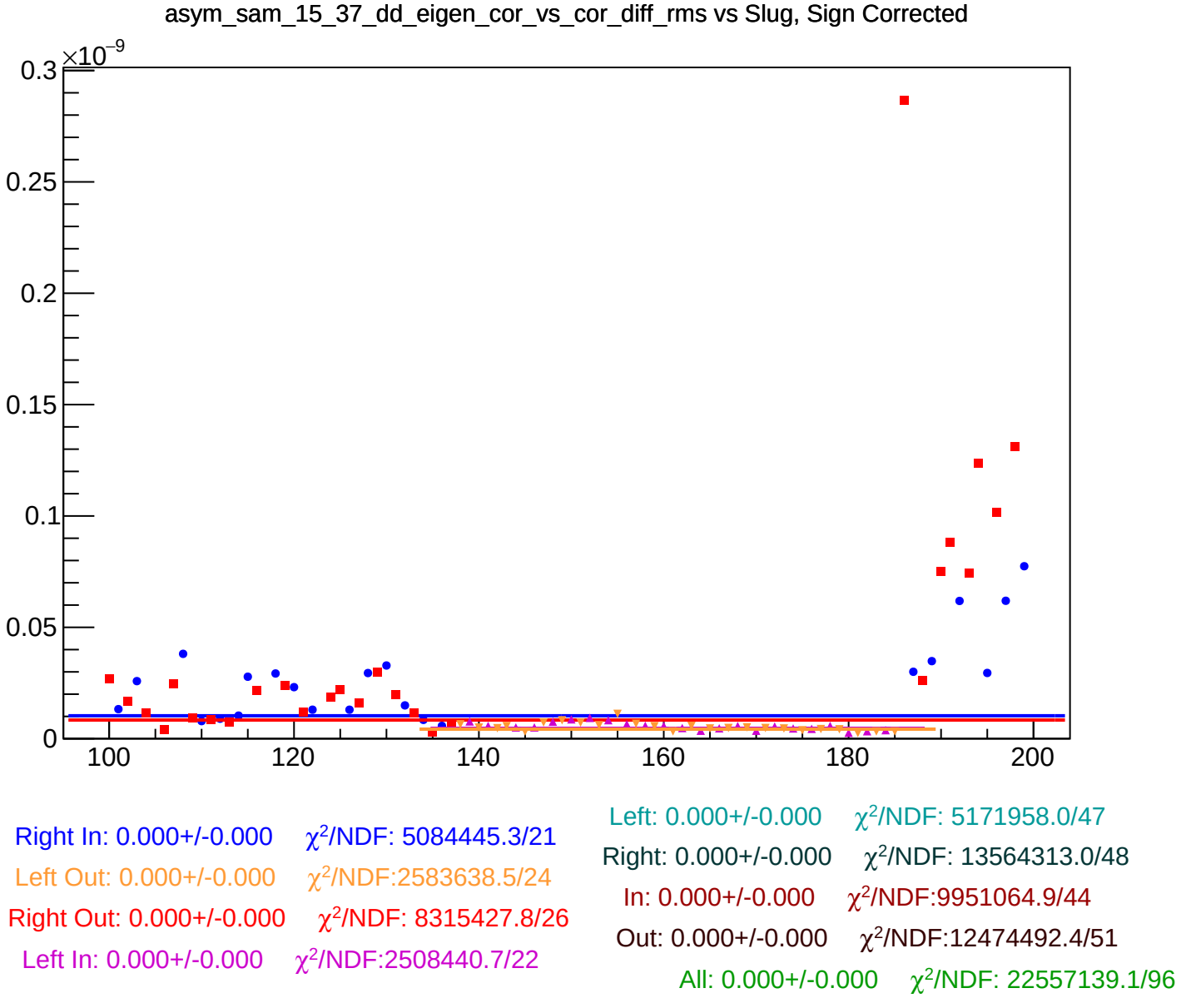
Left: -0.000+/-0.000 χ^2/NDF: 63.0/47

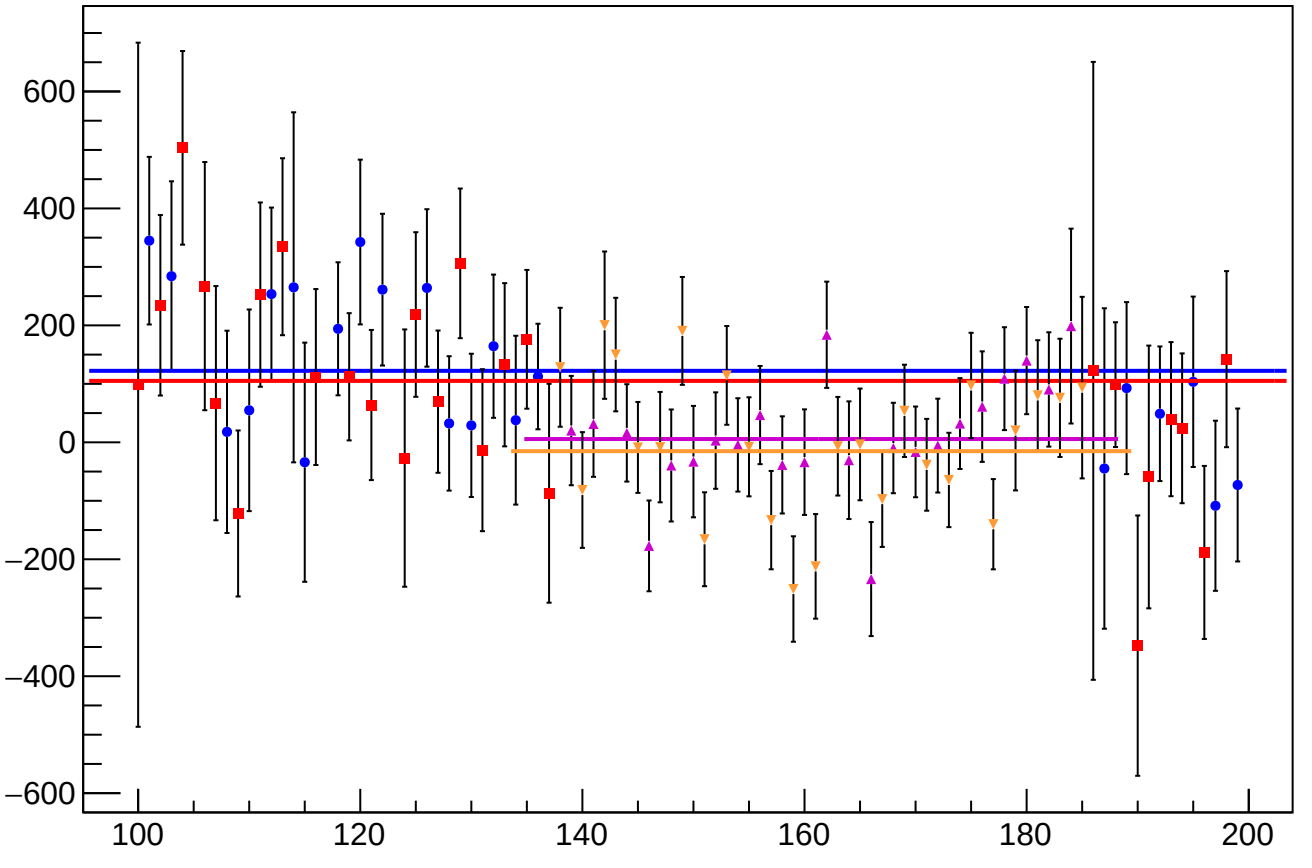
Right: 0.000+/-0.000 χ^2/NDF: 55.1/48

In: -0.000+/-0.000 χ^2/NDF:64.6/44

Out: -0.000+/-0.000 χ^2/NDF:48.4/51

All: -0.000+/-0.000 χ^2/NDF: 119.5/96


asym_sam_15_37_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.3
0.25
0.2
0.15
0.1
0.05
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 5084445.3/21
Left Out: 0.000+/-0.000 χ²/NDF:2583638.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 8315427.8/26
Left In: 0.000+/-0.000 χ²/NDF:2508440.7/22
Left: 0.000+/-0.000 χ²/NDF: 5171958.0/47
Right: 0.000+/-0.000 χ²/NDF: 13564313.0/48
In: 0.000+/-0.000 χ²/NDF:9951064.9/44
Out: 0.000+/-0.000 χ²/NDF:12474492.4/51
All: 0.000+/-0.000 χ²/NDF: 22557139.1/96



Right In: 122.264+/-29.561 χ^2/NDF: 17.9/21

Left Out: -15.100+/-17.957 χ^2/NDF:41.6/24

Right Out: 105.059+/-28.940 χ^2/NDF: 28.0/26

Left In: 5.629+/-18.382 χ^2/NDF:23.0/22

Left: -4.977+/-12.845 χ^2/NDF: 65.3/47

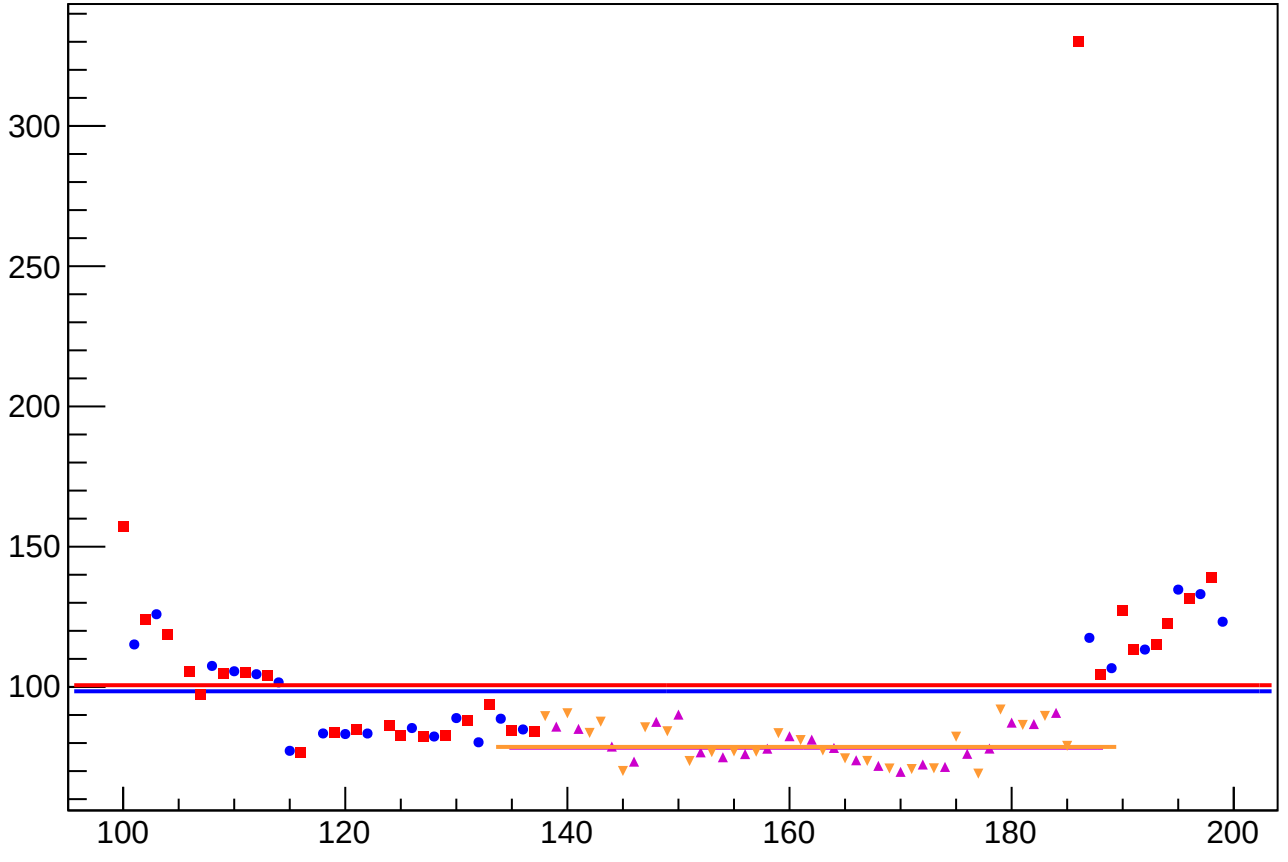
Right: 113.479+/-20.680 χ^2/NDF: 46.1/48

In: 38.152+/-15.610 χ^2/NDF:52.1/44

Out: 18.302+/-15.258 χ^2/NDF:82.1/51

All: 28.001+/-10.911 χ^2/NDF: 135.0/96

reg_asym_sam_24_68_dd_rms vs Slug, Sign Corrected



Right In: 98.451+/-0.021 χ^2/NDF: 731381.9/21

Left Out: 78.618+/-0.013 χ^2/NDF:307235.6/24

Right Out: 100.614+/-0.020 χ^2/NDF: 1140550.9/26

Left In: 78.334+/-0.013 χ^2/NDF:209146.2/22

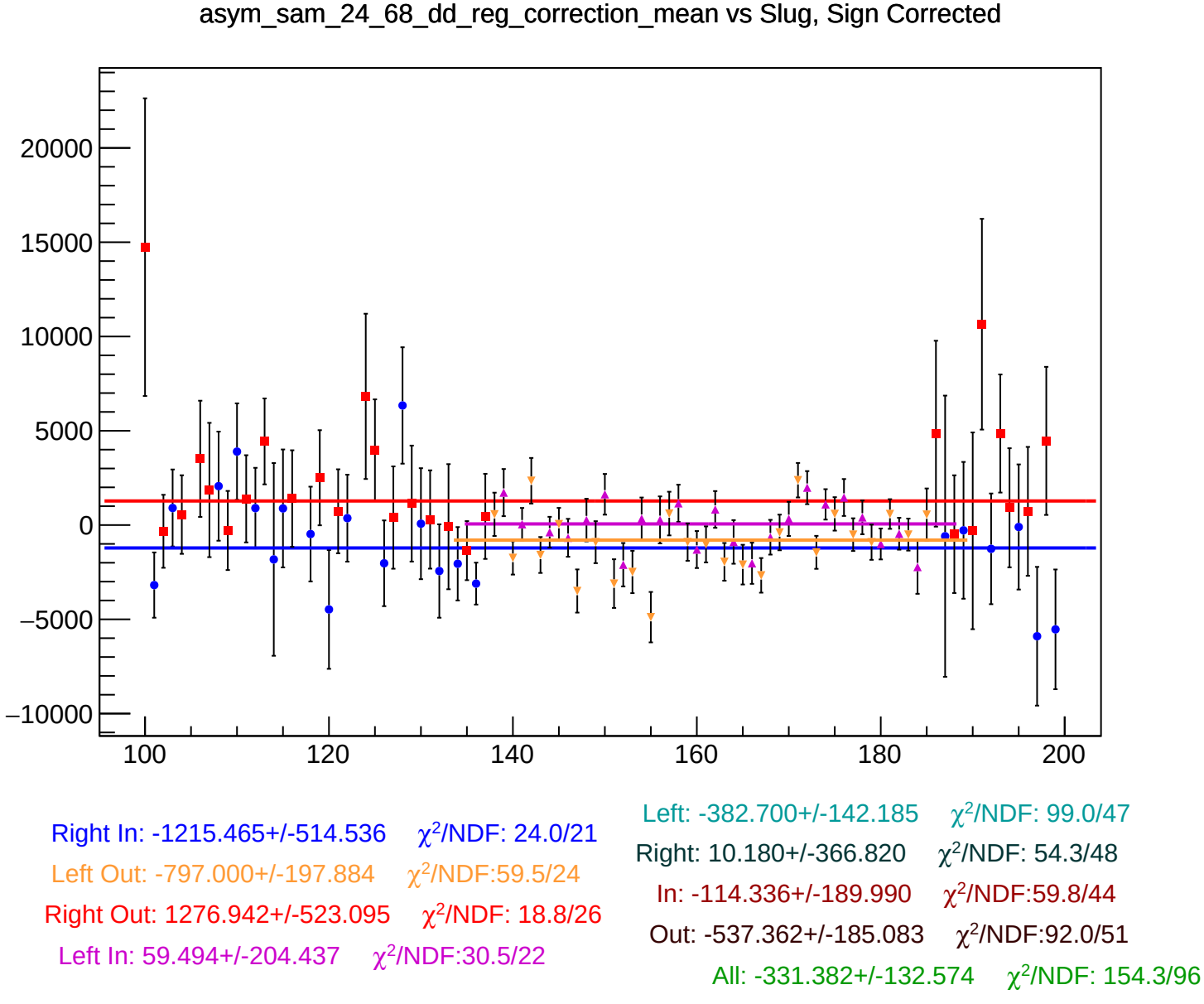
Left: 78.480+/-0.009 χ^2/NDF: 516625.8/47

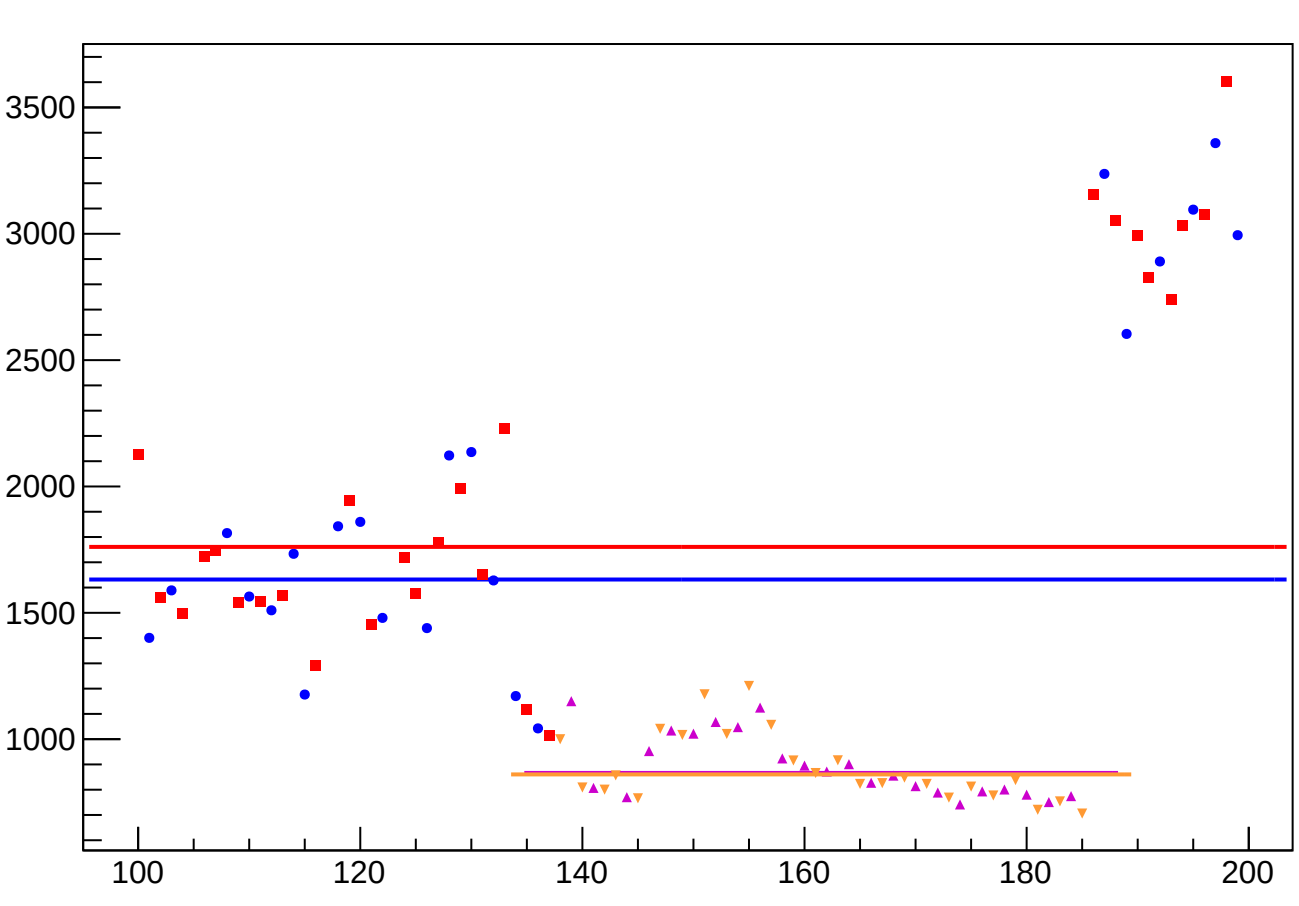
Right: 99.556+/-0.015 χ^2/NDF: 1877402.2/48

In: 83.944+/-0.011 χ^2/NDF:1608447.7/44

Out: 84.733+/-0.011 χ^2/NDF:2281984.5/51

All: 84.347+/-0.008 χ^2/NDF: 3893045.3/96


asym_sam_24_68_dd_reg_correction_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
100
120
140
160
180
200
Right In: -1215.465+/-514.536 χ²/NDF: 24.0/21
Left Out: -797.000+/-197.884 χ²/NDF:59.5/24
Right Out: 1276.942+/-523.095 χ²/NDF: 18.8/26
Left In: 59.494+/-204.437 χ²/NDF:30.5/22
Left: -382.700+/-142.185 χ²/NDF: 99.0/47
Right: 10.180+/-366.820 χ²/NDF: 54.3/48
In: -114.336+/-189.990 χ²/NDF:59.8/44
Out: -537.362+/-185.083 χ²/NDF:92.0/51
All: -331.382+/-132.574 χ²/NDF: 154.3/96



Right In: 1631.827+/-0.364 χ^2/NDF: 2729199.2/21

Left Out: 860.492+/-0.140 χ^2/NDF:699252.0/24

Right Out: 1760.870+/-0.370 χ^2/NDF: 2792047.5/26

Left In: 866.351+/-0.145 χ^2/NDF:613257.7/22

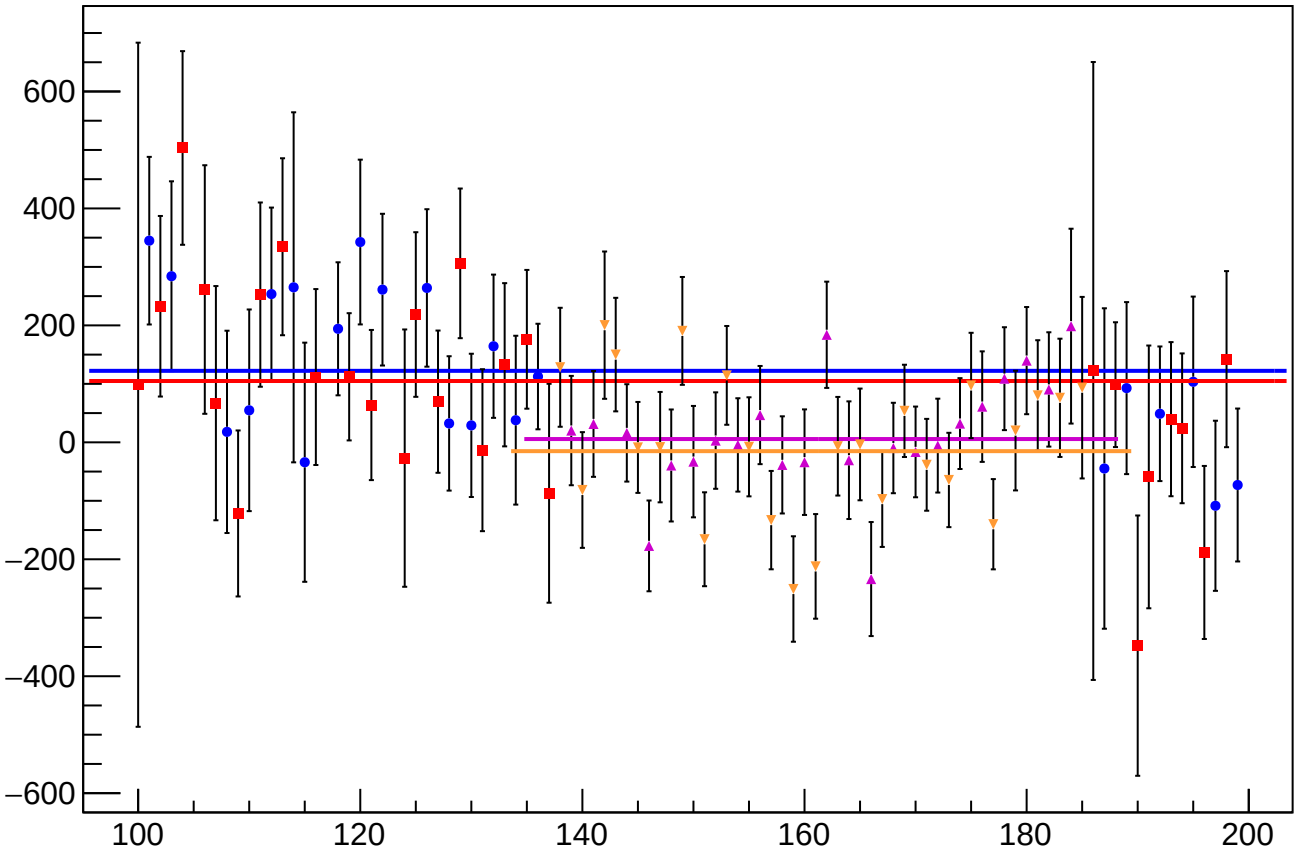
Left: 863.326+/-0.101 χ^2/NDF: 1313357.9/47

Right: 1695.284+/-0.259 χ^2/NDF: 5583107.6/48

In: 970.718+/-0.134 χ^2/NDF:7165448.2/44

Out: 973.211+/-0.131 χ^2/NDF:8674899.7/51

All: 971.997+/-0.094 χ^2/NDF: 15840524.7/96



Right In: 122.261+/-29.561 χ^2/NDF: 17.9/21

Left Out: -15.098+/-17.957 χ^2/NDF:41.6/24

Right Out: 104.873+/-28.942 χ^2/NDF: 27.9/26

Left In: 5.626+/-18.382 χ^2/NDF:23.0/22

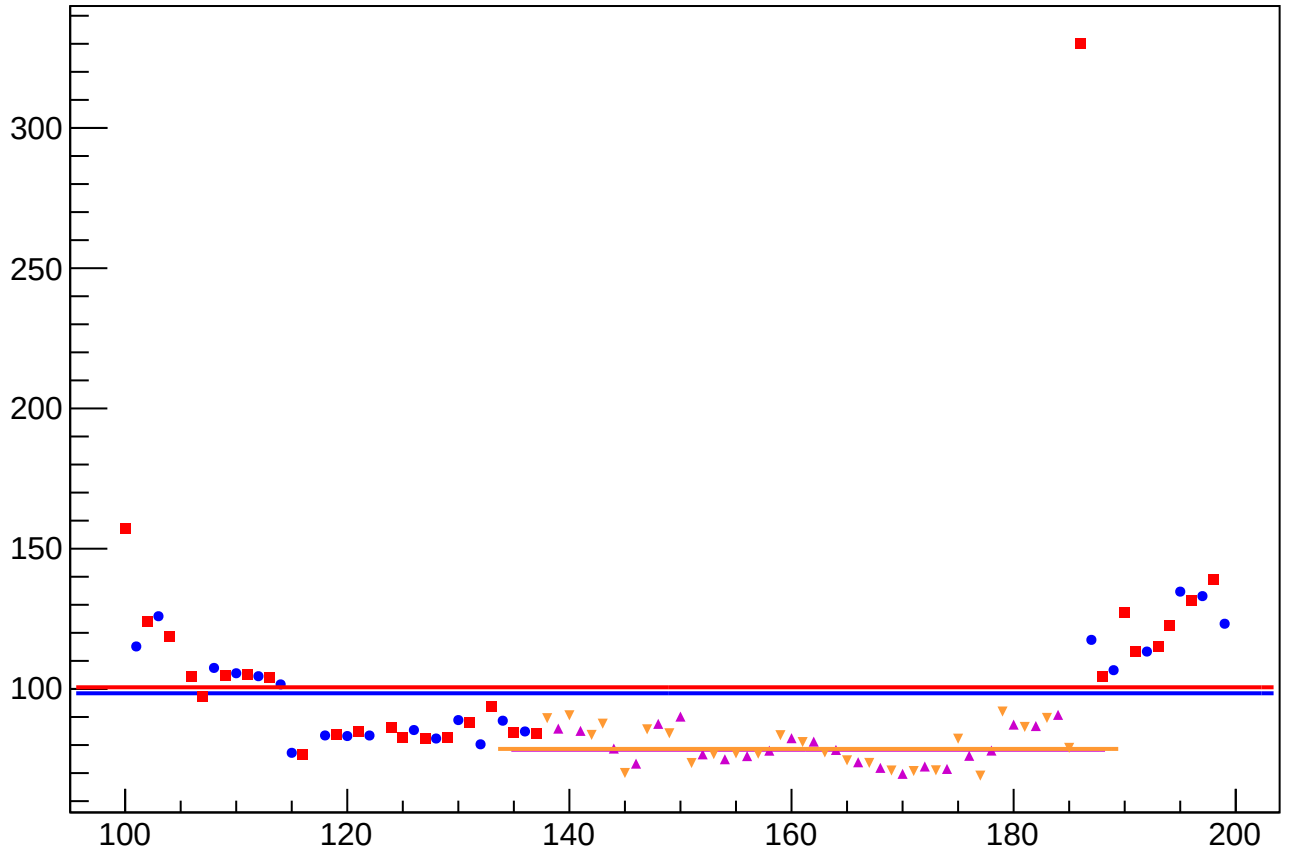
Left: -4.978+/-12.845 χ^2/NDF: 65.3/47

Right: 113.383+/-20.680 χ^2/NDF: 46.0/48

In: 38.148+/-15.610 χ^2/NDF:52.1/44

Out: 18.249+/-15.259 χ^2/NDF:82.0/51

All: 27.972+/-10.912 χ^2/NDF: 134.9/96



Right In: 98.451+/-0.021 χ^2/NDF: 731383.4/21

Left Out: 78.618+/-0.013 χ^2/NDF:307235.6/24

Right Out: 100.591+/-0.020 χ^2/NDF: 1140229.2/26

Left In: 78.334+/-0.013 χ^2/NDF:209146.2/22

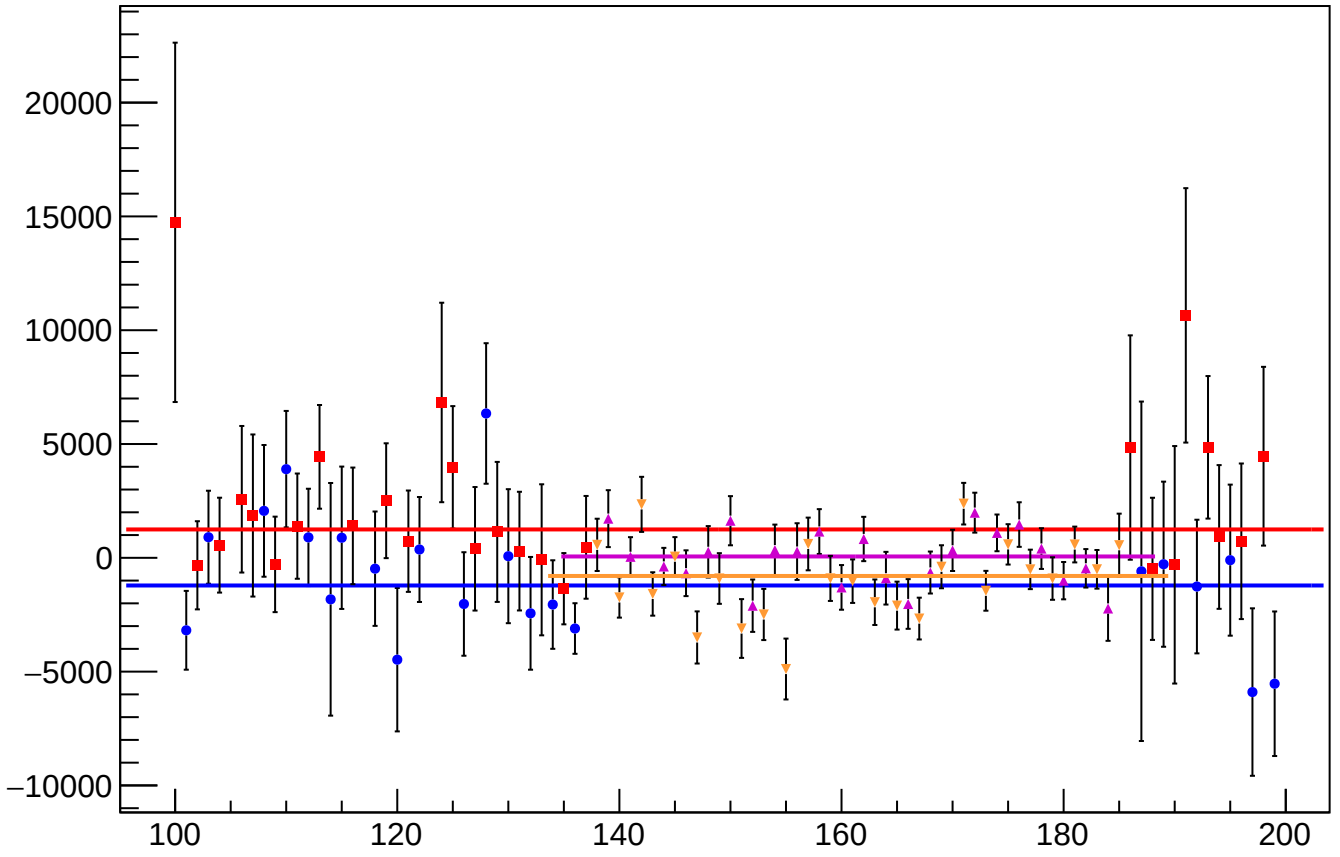
Left: 78.480+/-0.009 χ^2/NDF: 516625.8/47

Right: 99.544+/-0.015 χ^2/NDF: 1876966.5/48

In: 83.944+/-0.011 χ^2/NDF:1608449.6/44

Out: 84.726+/-0.011 χ^2/NDF:2279872.5/51

All: 84.344+/-0.008 χ^2/NDF: 3890890.6/96



Right In: -1215.446+/-514.537 χ^2/NDF: 24.0/21

Left Out: -797.000+/-197.884 χ^2/NDF:59.5/24

Right Out: 1246.975+/-523.746 χ^2/NDF: 18.4/26

Left In: 59.494+/-204.437 χ^2/NDF:30.5/22

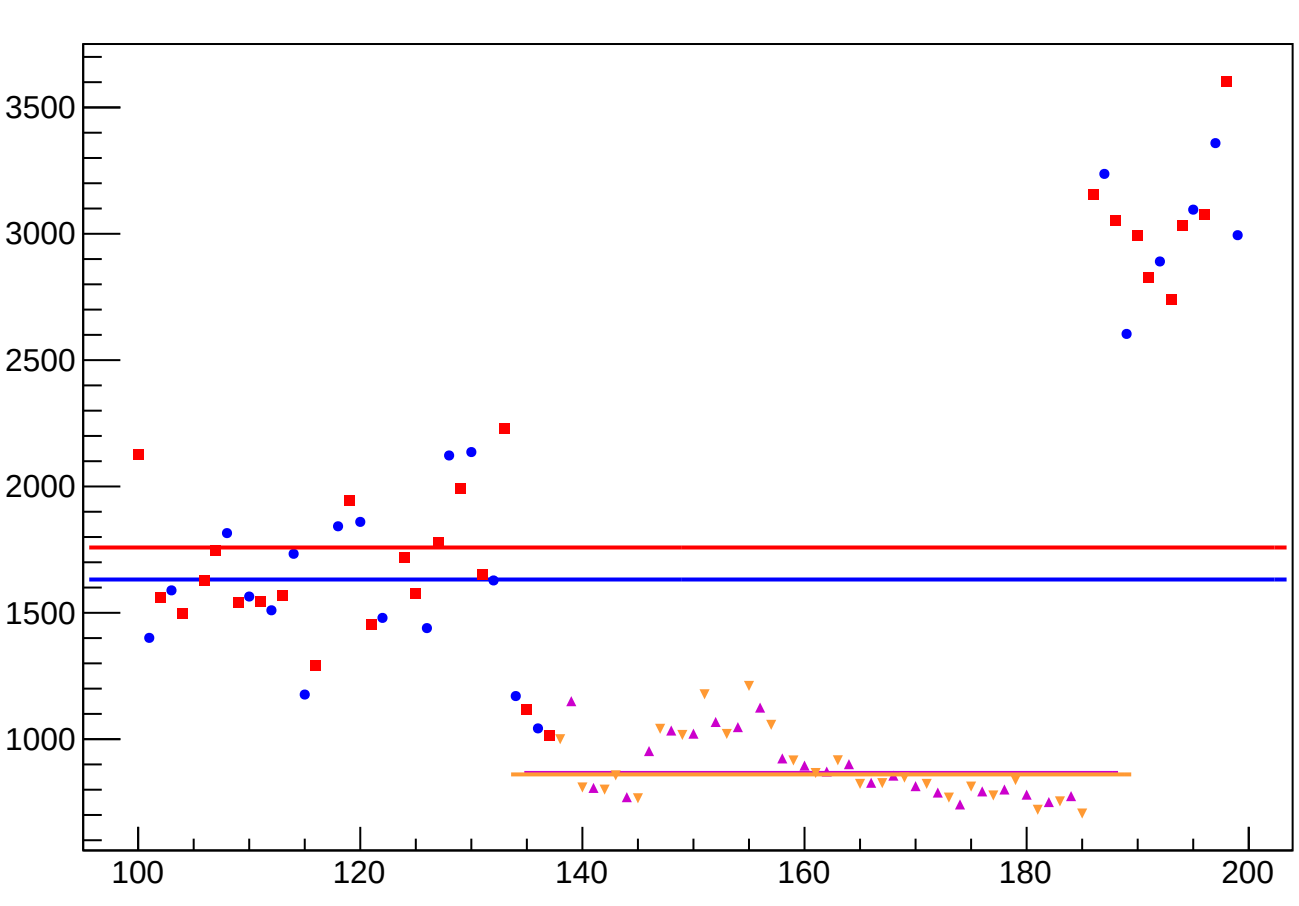
Left: -382.700+/-142.185 χ^2/NDF: 99.0/47

Right: -6.076+/-367.045 χ^2/NDF: 53.7/48

In: -114.333+/-189.990 χ^2/NDF:59.8/44

Out: -541.669+/-185.112 χ^2/NDF:91.2/51

All: -333.557+/-132.585 χ^2/NDF: 153.6/96



Right In: 1631.831+/-0.364 χ^2/NDF: 2729196.7/21

Left Out: 860.492+/-0.140 χ^2/NDF:699250.7/24

Right Out: 1758.535+/-0.370 χ^2/NDF: 2794925.5/26

Left In: 866.352+/-0.145 χ^2/NDF:613256.3/22

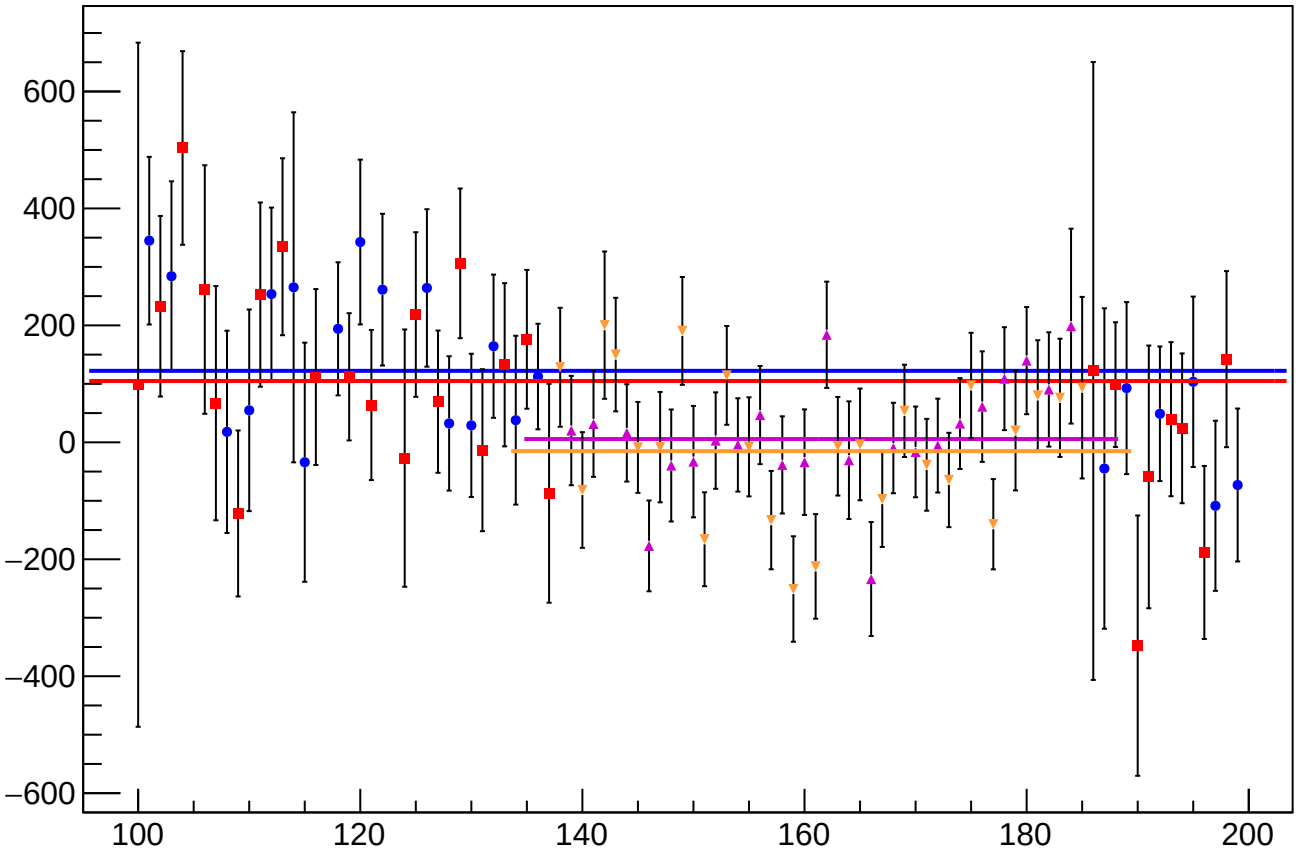
Left: 863.327+/-0.101 χ^2/NDF: 1313355.3/47

Right: 1694.059+/-0.260 χ^2/NDF: 5583685.1/48

In: 970.718+/-0.134 χ^2/NDF:7165464.5/44

Out: 972.674+/-0.131 χ^2/NDF:8639710.2/51

All: 971.722+/-0.094 χ^2/NDF: 15805283.5/96



Right In: 122.261+/-29.561 χ^2/NDF: 17.9/21

Left Out: -15.098+/-17.957 χ^2/NDF:41.6/24

Right Out: 104.873+/-28.942 χ^2/NDF: 27.9/26

Left In: 5.626+/-18.382 χ^2/NDF:23.0/22

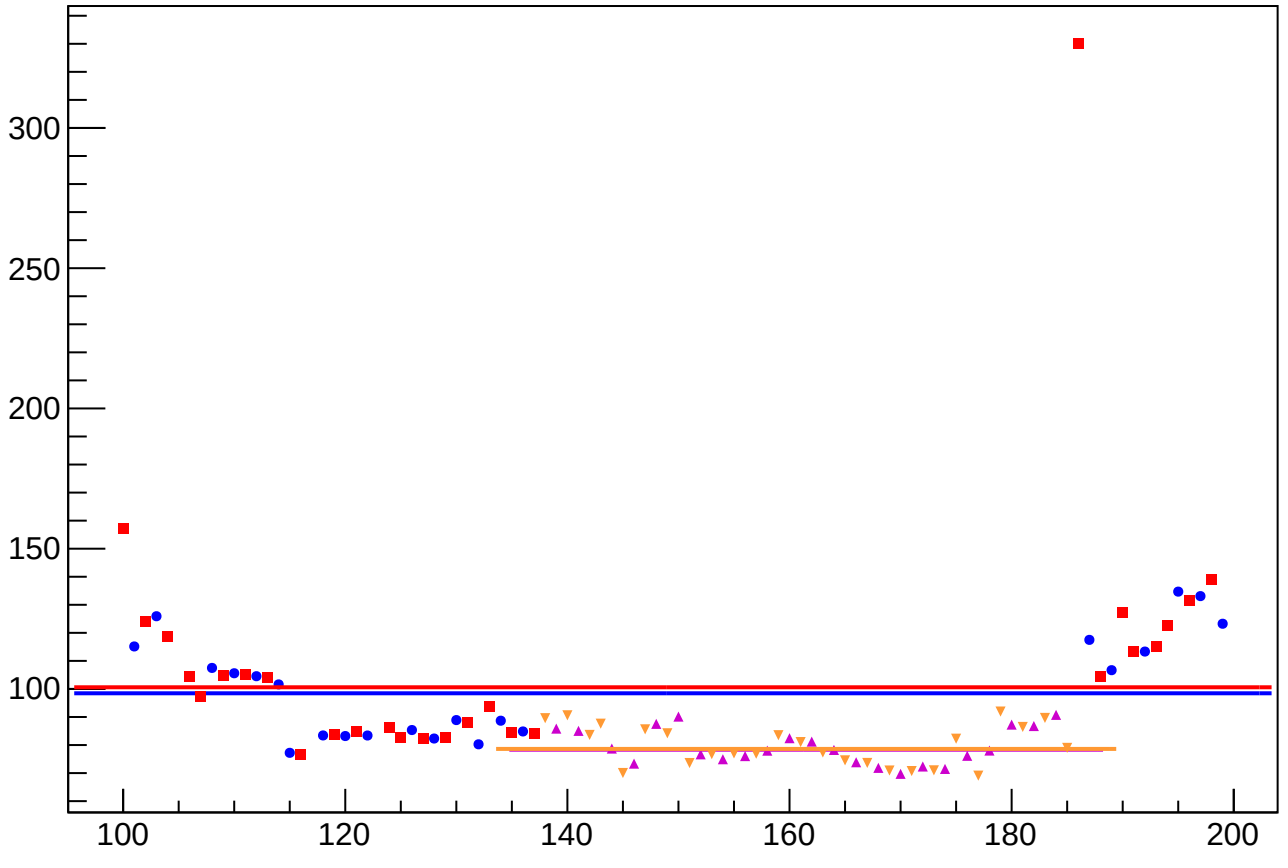
Left: -4.978+/-12.845 χ^2/NDF: 65.3/47

Right: 113.383+/-20.680 χ^2/NDF: 46.0/48

In: 38.148+/-15.610 χ^2/NDF:52.1/44

Out: 18.249+/-15.259 χ^2/NDF:82.0/51

All: 27.972+/-10.912 χ^2/NDF: 134.9/96



Right In: 98.451+/-0.021 χ^2/NDF: 731383.4/21

Left Out: 78.618+/-0.013 χ^2/NDF:307235.6/24

Right Out: 100.591+/-0.020 χ^2/NDF: 1140229.2/26

Left In: 78.334+/-0.013 χ^2/NDF:209146.2/22

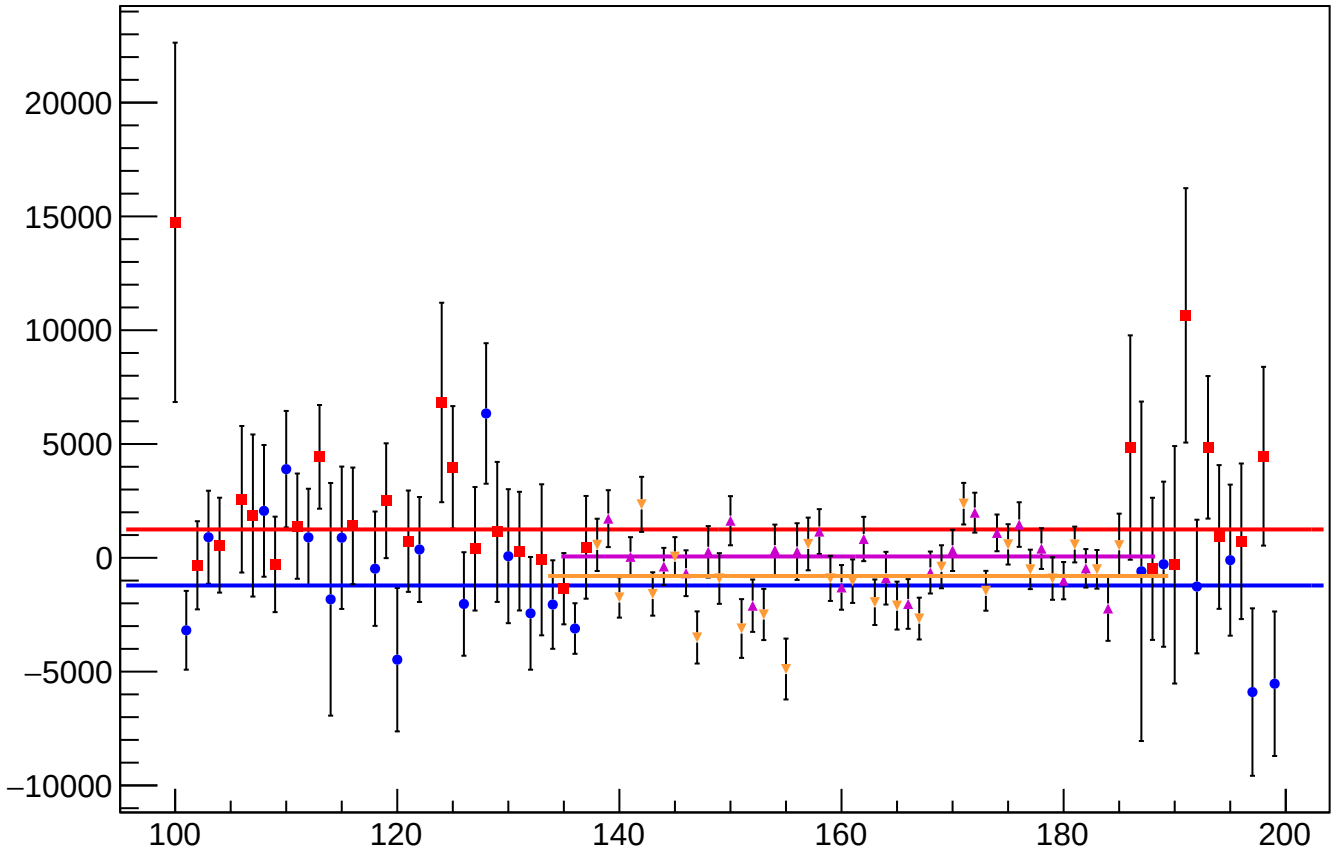
Left: 78.480+/-0.009 χ^2/NDF: 516625.8/47

Right: 99.544+/-0.015 χ^2/NDF: 1876966.5/48

In: 83.944+/-0.011 χ^2/NDF:1608449.6/44

Out: 84.726+/-0.011 χ^2/NDF:2279872.5/51

All: 84.344+/-0.008 χ^2/NDF: 3890890.6/96



Right In: -1215.446+/-514.537 χ^2/NDF: 24.0/21

Left Out: -797.000+/-197.884 χ^2/NDF:59.5/24

Right Out: 1246.975+/-523.746 χ^2/NDF: 18.4/26

Left In: 59.494+/-204.437 χ^2/NDF:30.5/22

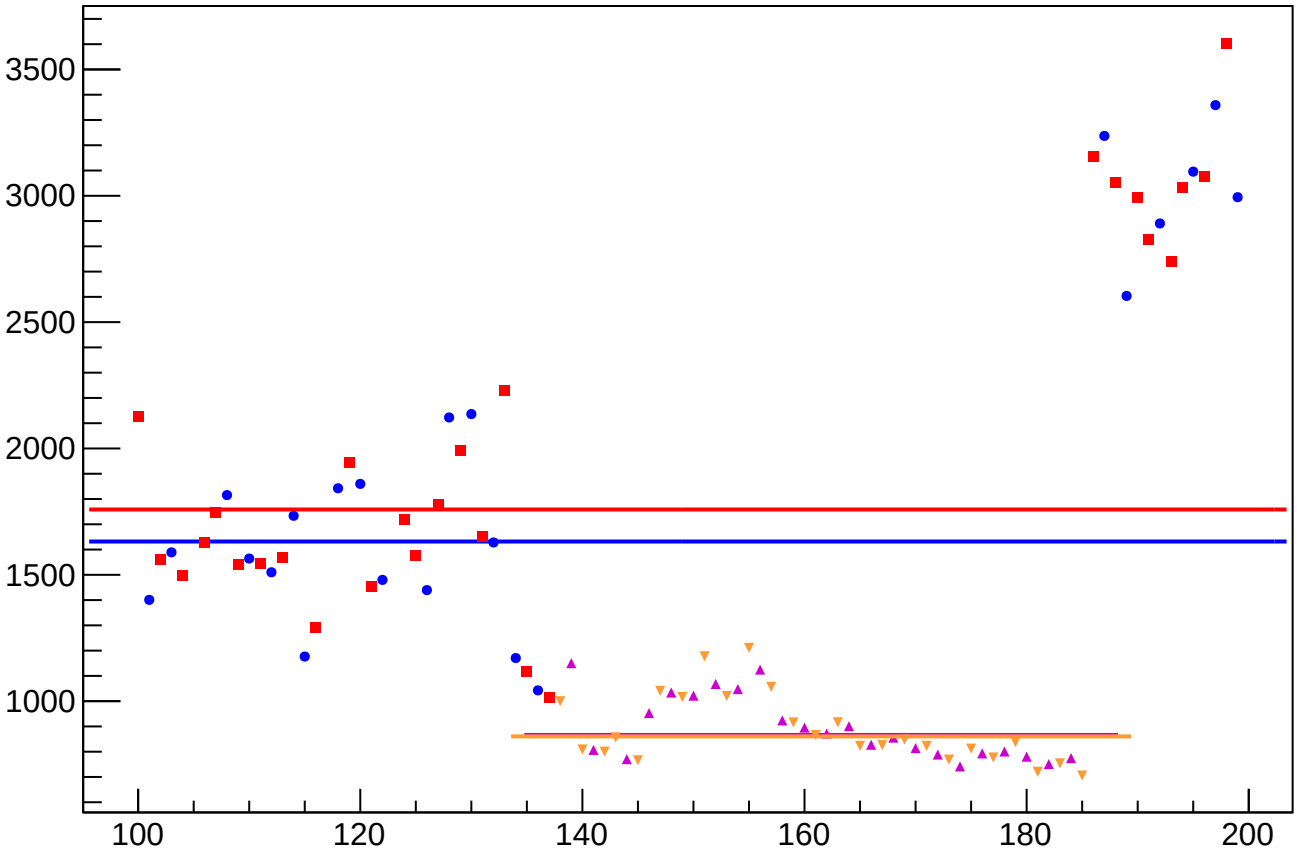
Left: -382.700+/-142.185 χ^2/NDF: 99.0/47

Right: -6.076+/-367.045 χ^2/NDF: 53.7/48

In: -114.333+/-189.990 χ^2/NDF:59.8/44

Out: -541.669+/-185.112 χ^2/NDF:91.2/51

All: -333.557+/-132.585 χ^2/NDF: 153.6/96



Right In: 1631.831+/-0.364 χ^2/NDF: 2729196.7/21

Left Out: 860.492+/-0.140 χ^2/NDF:699250.7/24

Right Out: 1758.535+/-0.370 χ^2/NDF: 2794925.5/26

Left In: 866.352+/-0.145 χ^2/NDF:613256.3/22

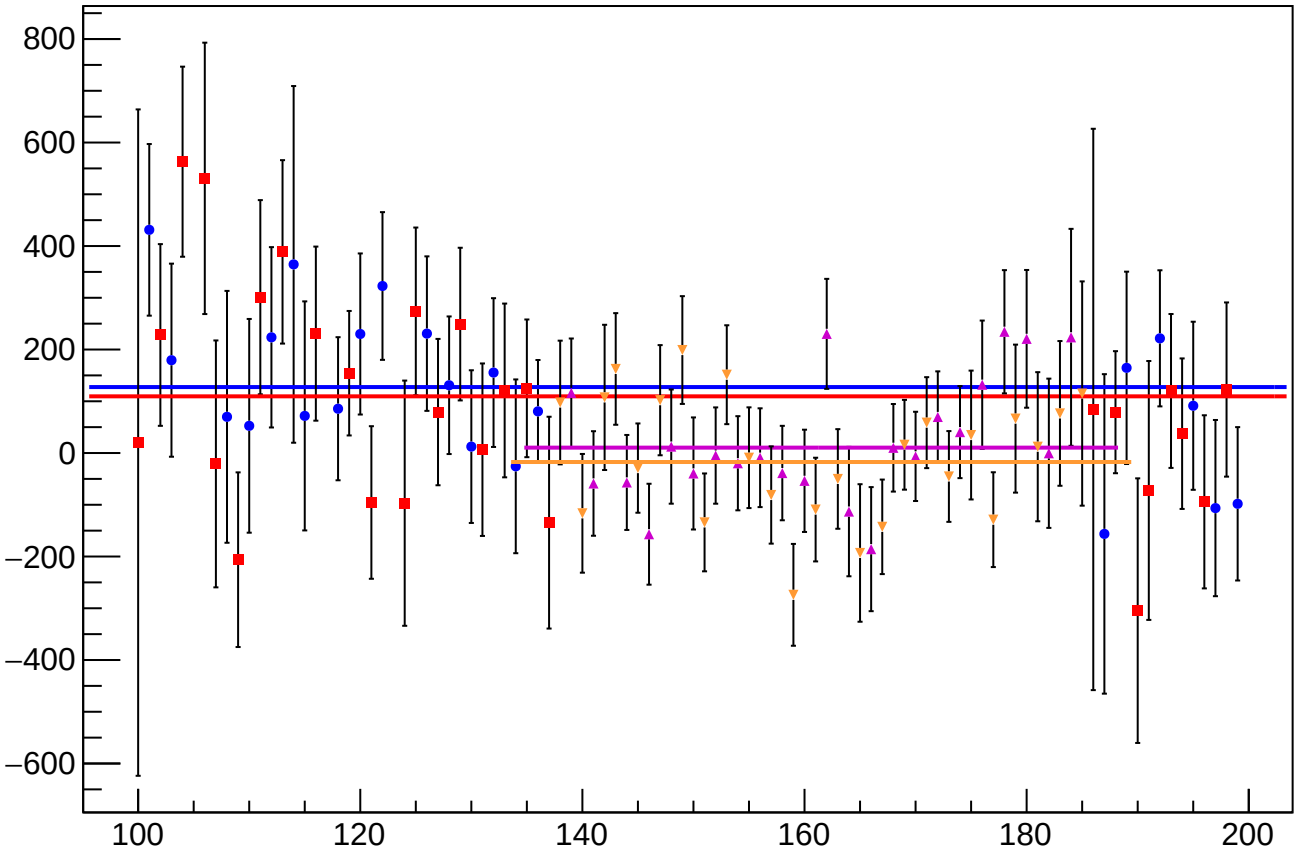
Left: 863.327+/-0.101 χ^2/NDF: 1313355.3/47

Right: 1694.059+/-0.260 χ^2/NDF: 5583685.1/48

In: 970.718+/-0.134 χ^2/NDF:7165464.5/44

Out: 972.674+/-0.131 χ^2/NDF:8639710.2/51

All: 971.722+/-0.094 χ^2/NDF: 15805283.5/96



Right In: 127.467+/-34.142 χ^2/NDF: 14.7/21

Left Out: -17.356+/-20.987 χ^2/NDF:31.2/24

Right Out: 109.540+/-33.037 χ^2/NDF: 28.6/26

Left In: 10.412+/-21.503 χ^2/NDF:22.6/22

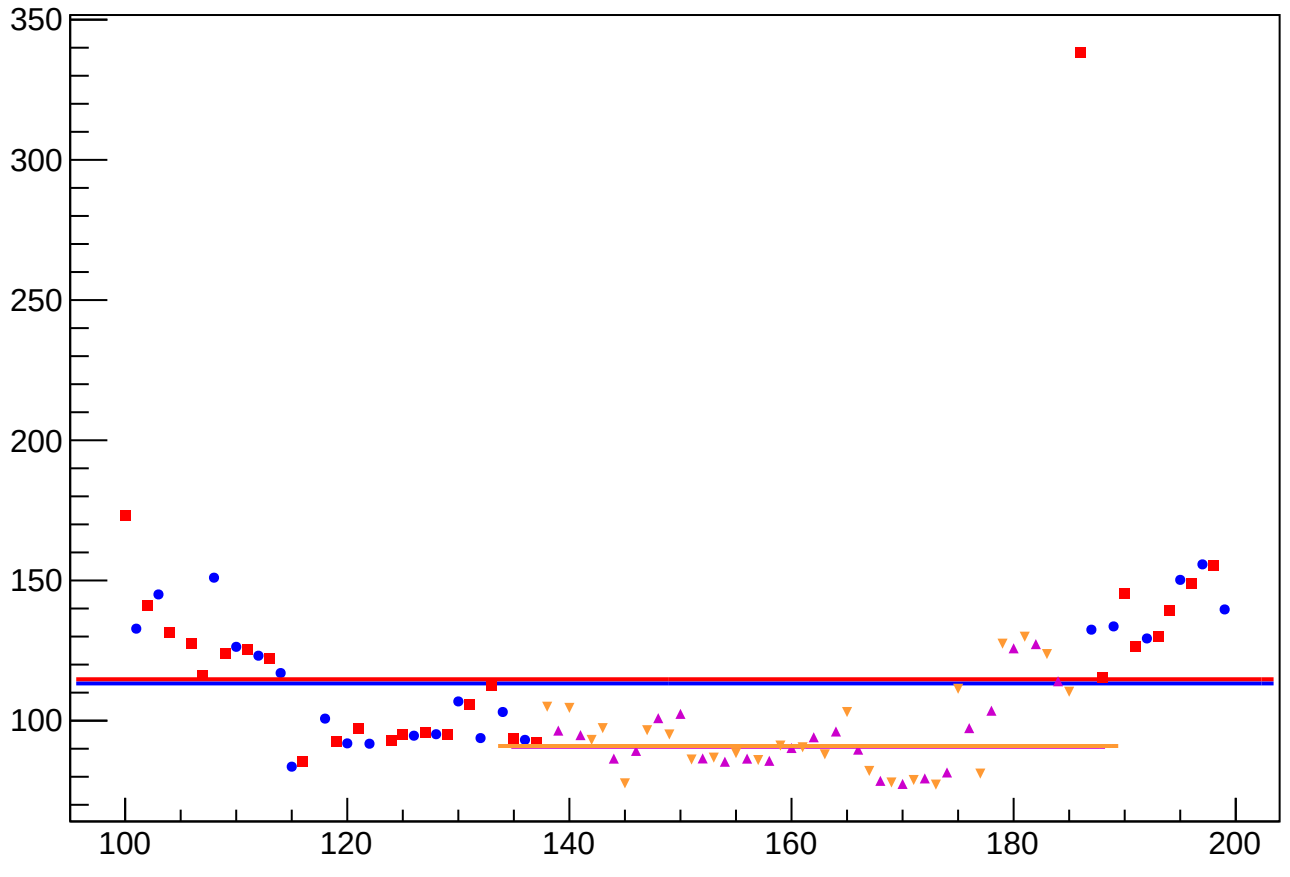
Left: -3.810+/-15.019 χ^2/NDF: 54.7/47

Right: 118.209+/-23.742 χ^2/NDF: 43.4/48

In: 43.657+/-18.195 χ^2/NDF:45.7/44

Out: 19.129+/-17.715 χ^2/NDF:70.3/51

All: 31.065+/-12.693 χ^2/NDF: 117.0/96



Right In: 113.286+/-0.024 χ^2/NDF: 835027.1/21

Left Out: 90.967+/-0.015 χ^2/NDF:784523.6/24

Right Out: 114.774+/-0.023 χ^2/NDF: 1103505.5/26

Left In: 90.690+/-0.015 χ^2/NDF:545969.6/22

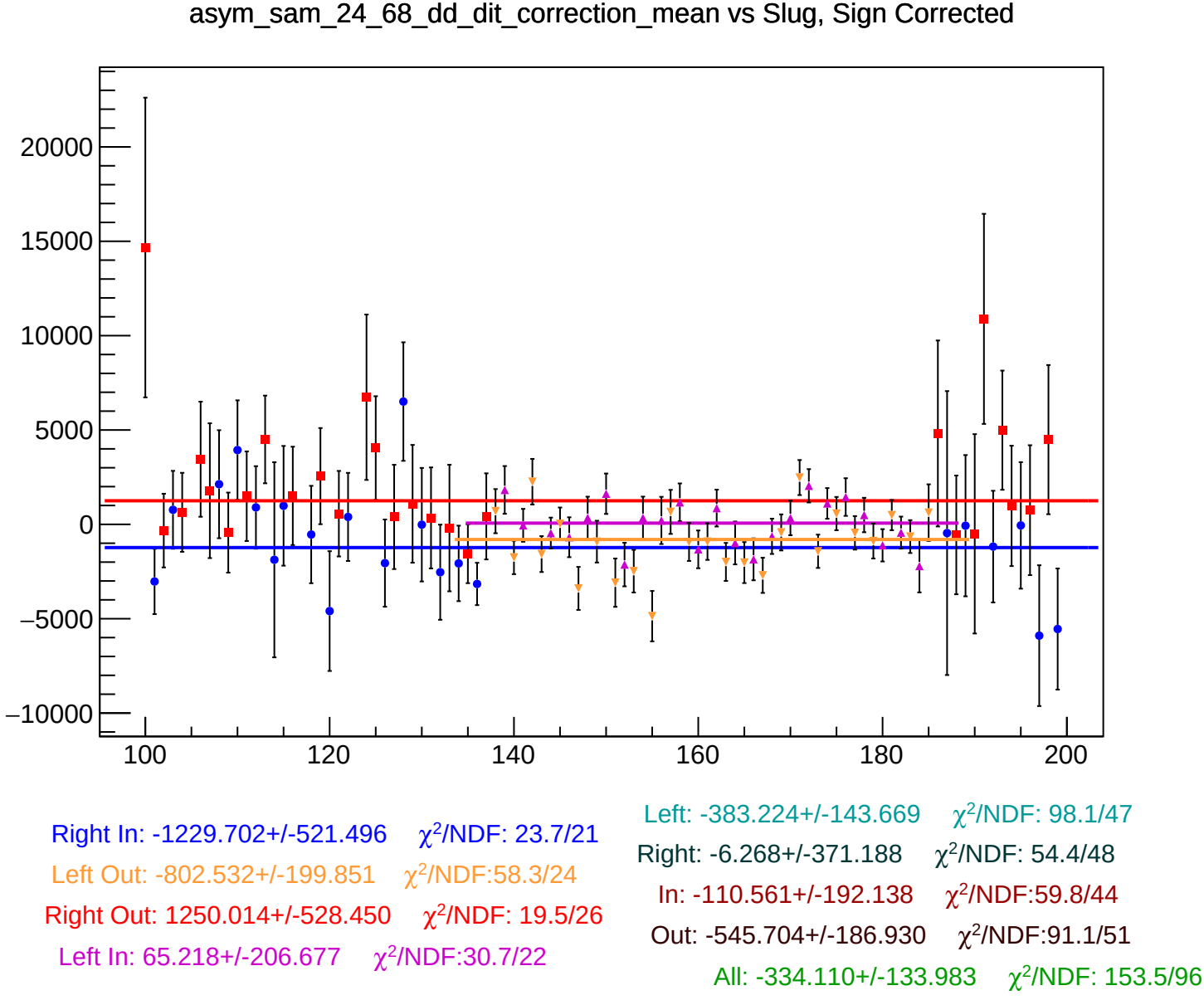
Left: 90.832+/-0.011 χ^2/NDF: 1330663.0/47

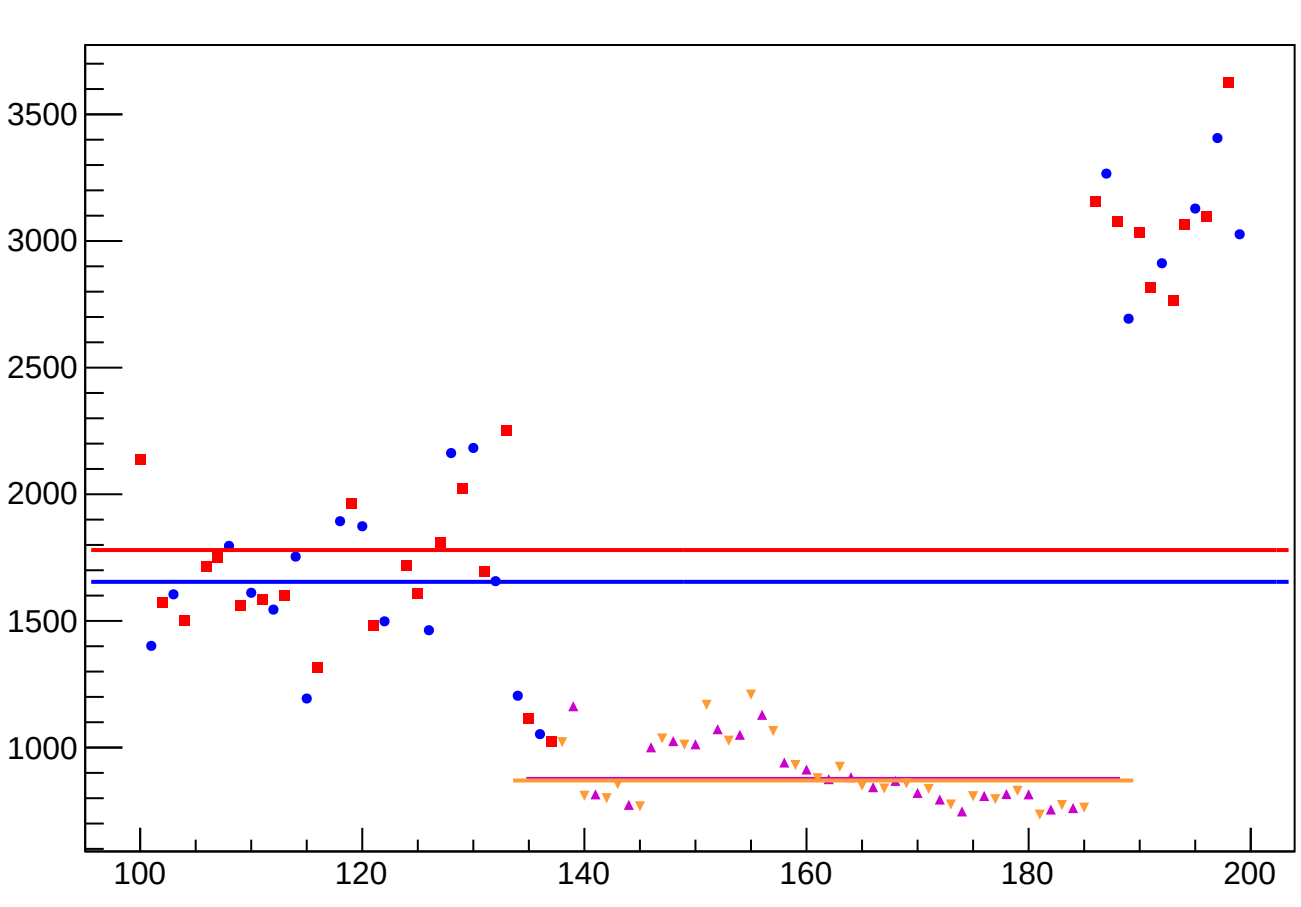
Right: 114.054+/-0.017 χ^2/NDF: 1940494.3/48

In: 97.108+/-0.013 χ^2/NDF:2008213.2/44

Out: 97.812+/-0.013 χ^2/NDF:2627993.0/51

All: 97.469+/-0.009 χ^2/NDF: 4637743.9/96


asym_sam_24_68_dd_dit_correction_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
100
120
140
160
180
200
Right In: -1229.702+/-521.496 χ²/NDF: 23.7/21
Left Out: -802.532+/-199.851 χ²/NDF:58.3/24
Right Out: 1250.014+/-528.450 χ²/NDF: 19.5/26
Left In: 65.218+/-206.677 χ²/NDF:30.7/22
Left: -383.224+/-143.669 χ²/NDF: 98.1/47
Right: -6.268+/-371.188 χ²/NDF: 54.4/48
In: -110.561+/-192.138 χ²/NDF:59.8/44
Out: -545.704+/-186.930 χ²/NDF:91.1/51
All: -334.110+/-133.983 χ²/NDF: 153.5/96



Right In: 1654.292+/-0.369 χ^2/NDF: 2737939.2/21

Left Out: 870.009+/-0.141 χ^2/NDF:647274.1/24

Right Out: 1779.800+/-0.374 χ^2/NDF: 2788615.6/26

Left In: 876.273+/-0.146 χ^2/NDF:597200.7/22

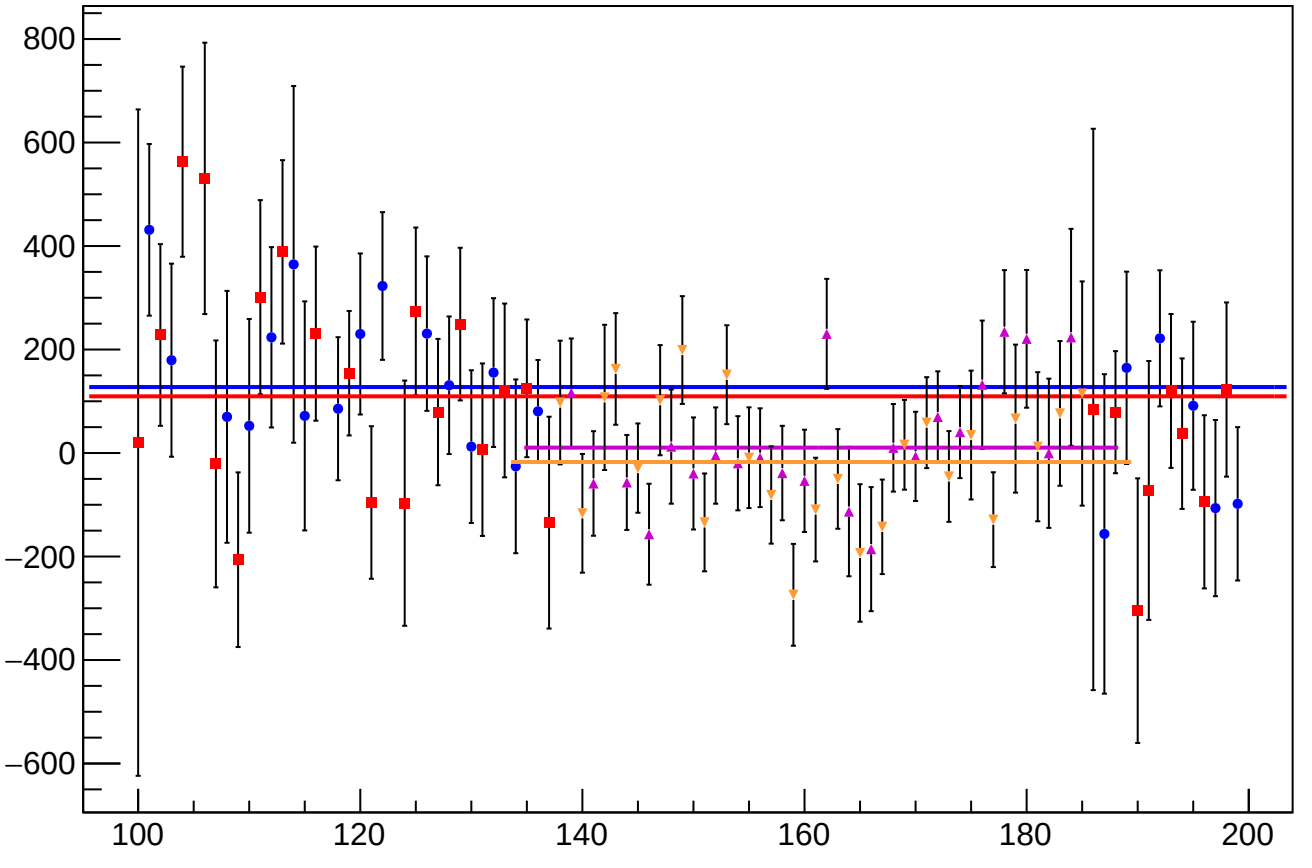
Left: 873.036+/-0.102 χ^2/NDF: 1245424.4/47

Right: 1716.215+/-0.262 χ^2/NDF: 5583709.3/48

In: 981.886+/-0.136 χ^2/NDF:7182387.7/44

Out: 983.848+/-0.132 χ^2/NDF:8622103.0/51

All: 982.894+/-0.095 χ^2/NDF: 15804597.8/96



Right In: 127.469+/-34.141 χ^2/NDF: 14.7/21

Left Out: -17.356+/-20.987 χ^2/NDF:31.2/24

Right Out: 109.540+/-33.037 χ^2/NDF: 28.6/26

Left In: 10.412+/-21.503 χ^2/NDF:22.6/22

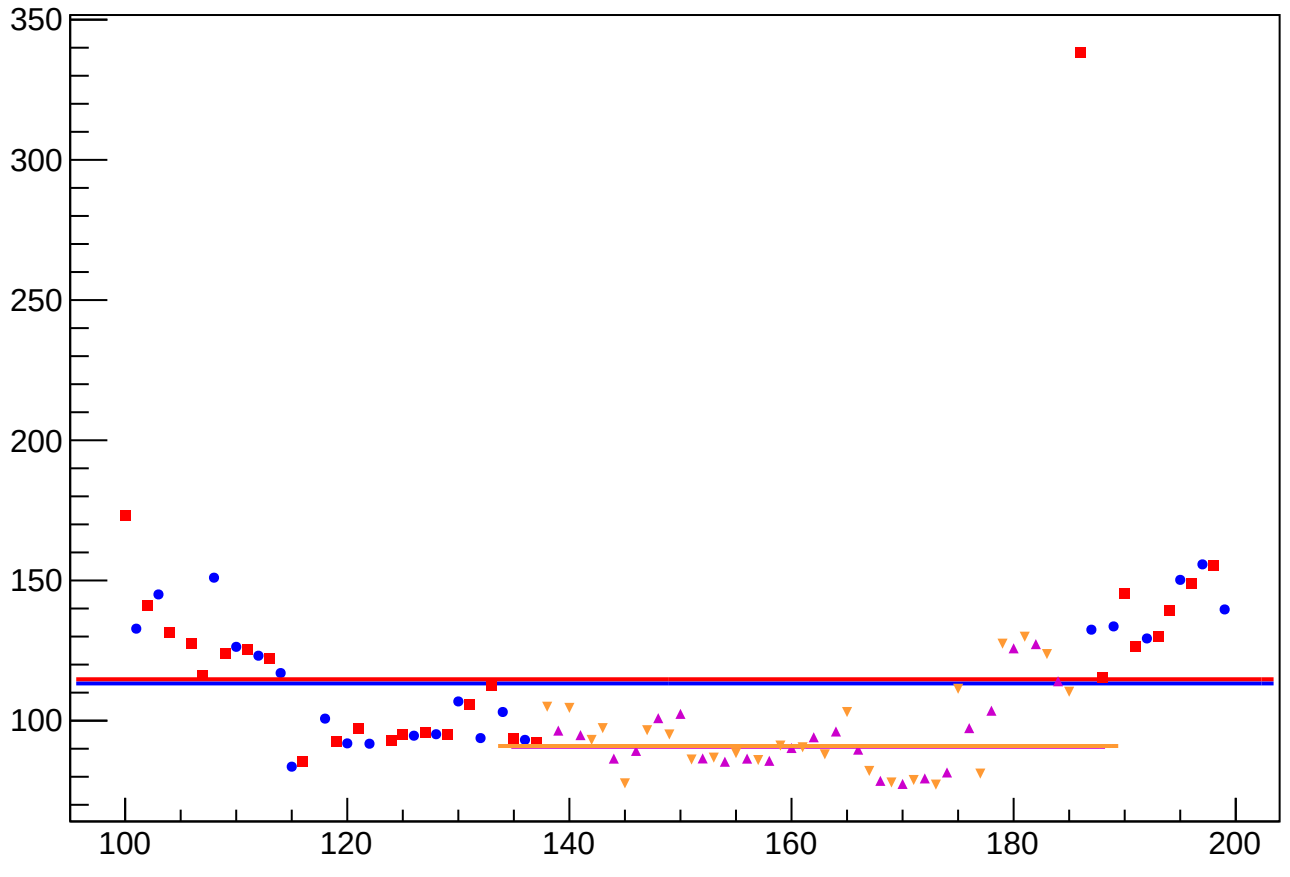
Left: -3.810+/-15.019 χ^2/NDF: 54.7/47

Right: 118.210+/-23.741 χ^2/NDF: 43.4/48

In: 43.658+/-18.195 χ^2/NDF:45.7/44

Out: 19.129+/-17.715 χ^2/NDF:70.3/51

All: 31.065+/-12.693 χ^2/NDF: 117.0/96



Right In: 113.285+/-0.024 χ^2/NDF: 835048.6/21

Left Out: 90.967+/-0.015 χ^2/NDF:784529.9/24

Right Out: 114.773+/-0.023 χ^2/NDF: 1103520.0/26

Left In: 90.690+/-0.015 χ^2/NDF:545960.7/22

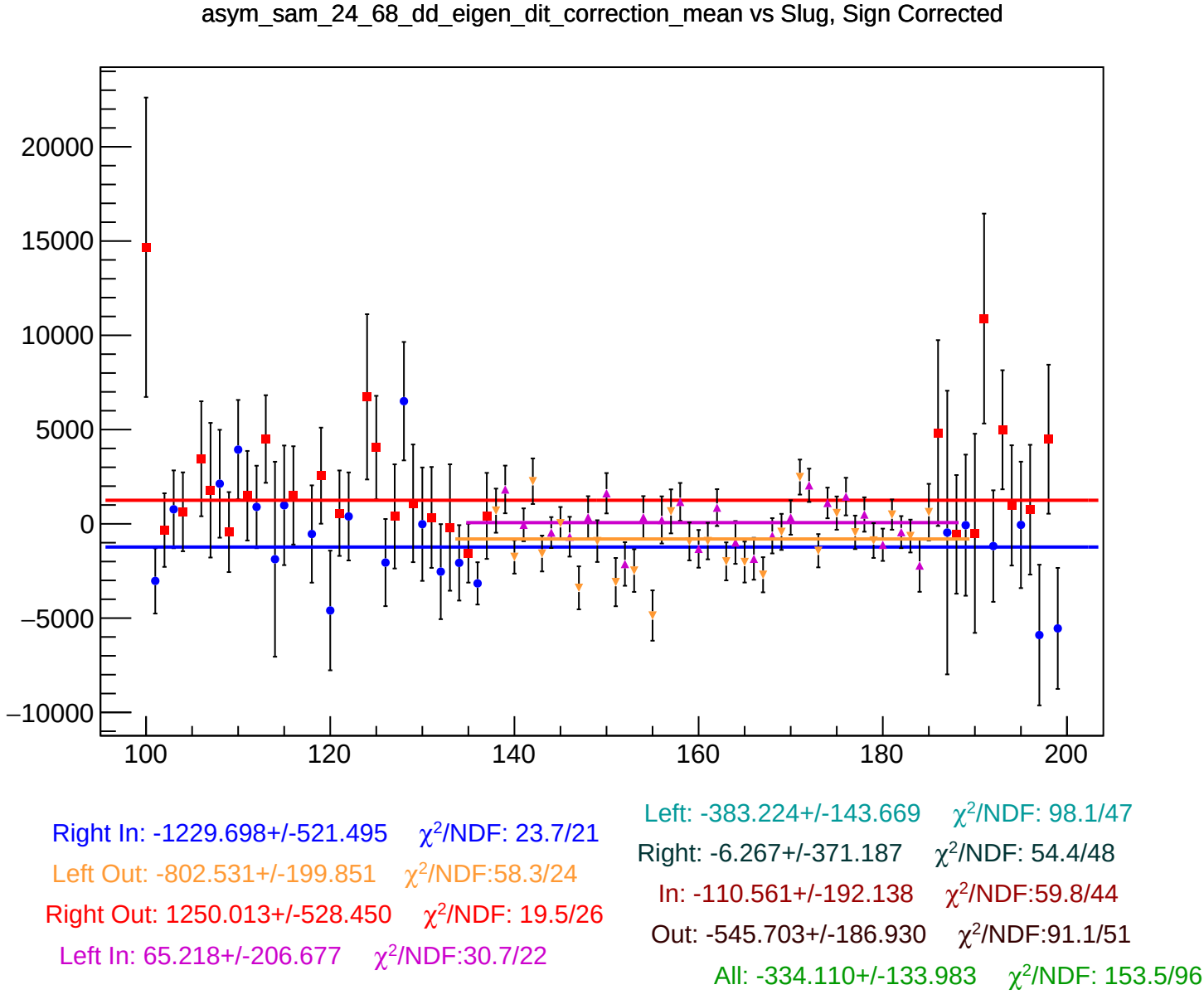
Left: 90.832+/-0.011 χ^2/NDF: 1330660.5/47

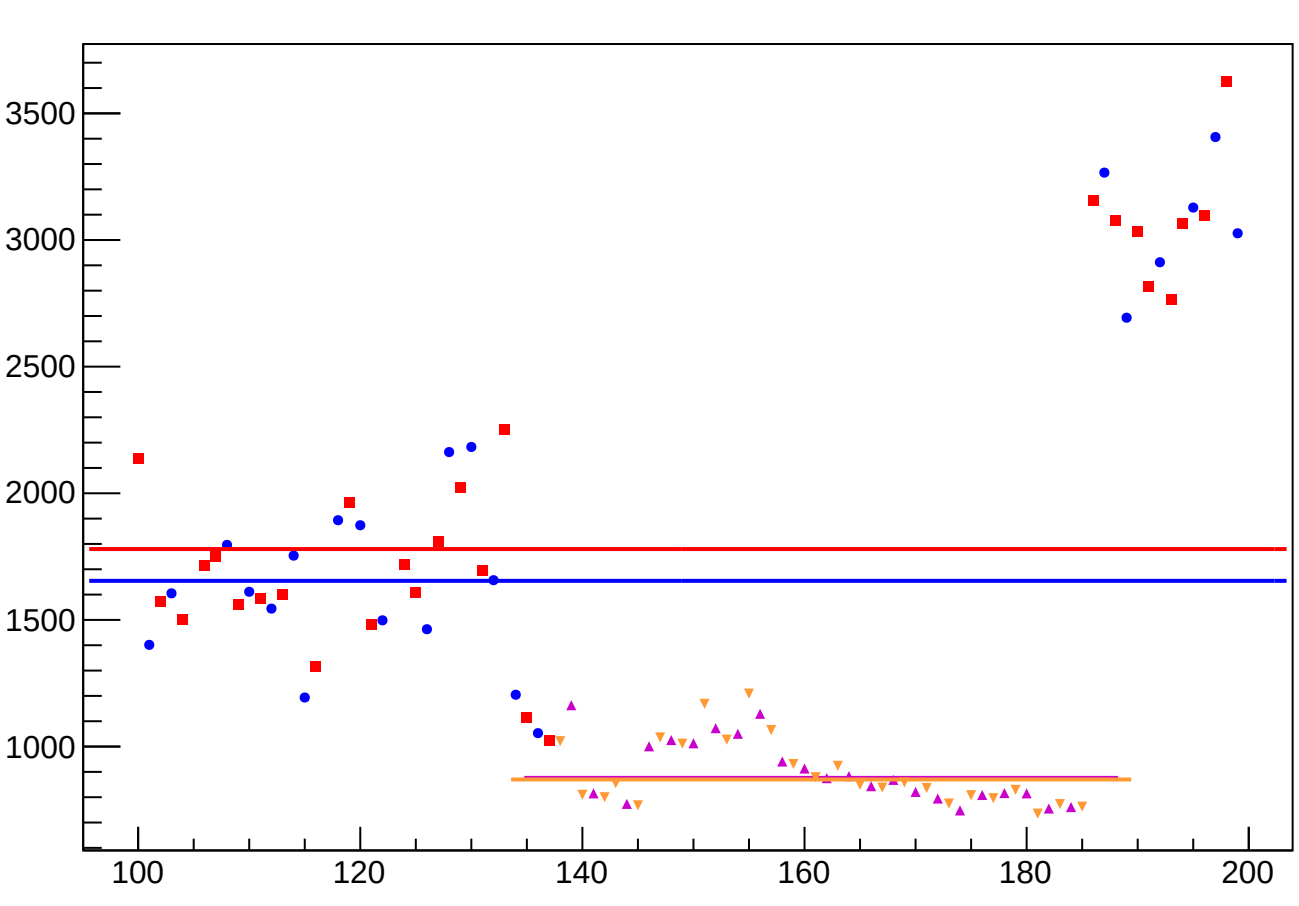
Right: 114.053+/-0.017 χ^2/NDF: 1940531.1/48

In: 97.107+/-0.013 χ^2/NDF:2008181.8/44

Out: 97.812+/-0.013 χ^2/NDF:2627972.1/51

All: 97.469+/-0.009 χ^2/NDF: 4637692.4/96


asym_sam_24_68_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
100
120
140
160
180
200
Right In: -1229.698+/-521.495 χ²/NDF: 23.7/21
Left Out: -802.531+/-199.851 χ²/NDF:58.3/24
Right Out: 1250.013+/-528.450 χ²/NDF: 19.5/26
Left In: 65.218+/-206.677 χ²/NDF:30.7/22
Left: -383.224+/-143.669 χ²/NDF: 98.1/47
Right: -6.267+/-371.187 χ²/NDF: 54.4/48
In: -110.561+/-192.138 χ²/NDF:59.8/44
Out: -545.703+/-186.930 χ²/NDF:91.1/51
All: -334.110+/-133.983 χ²/NDF: 153.5/96



Right In: 1654.289+/-0.369 χ^2/NDF: 2737941.3/21

Left Out: 870.008+/-0.141 χ^2/NDF:647275.9/24

Right Out: 1779.797+/-0.374 χ^2/NDF: 2788622.7/26

Left In: 876.272+/-0.146 χ^2/NDF:597200.9/22

Left: 873.035+/-0.102 χ^2/NDF: 1245426.3/47

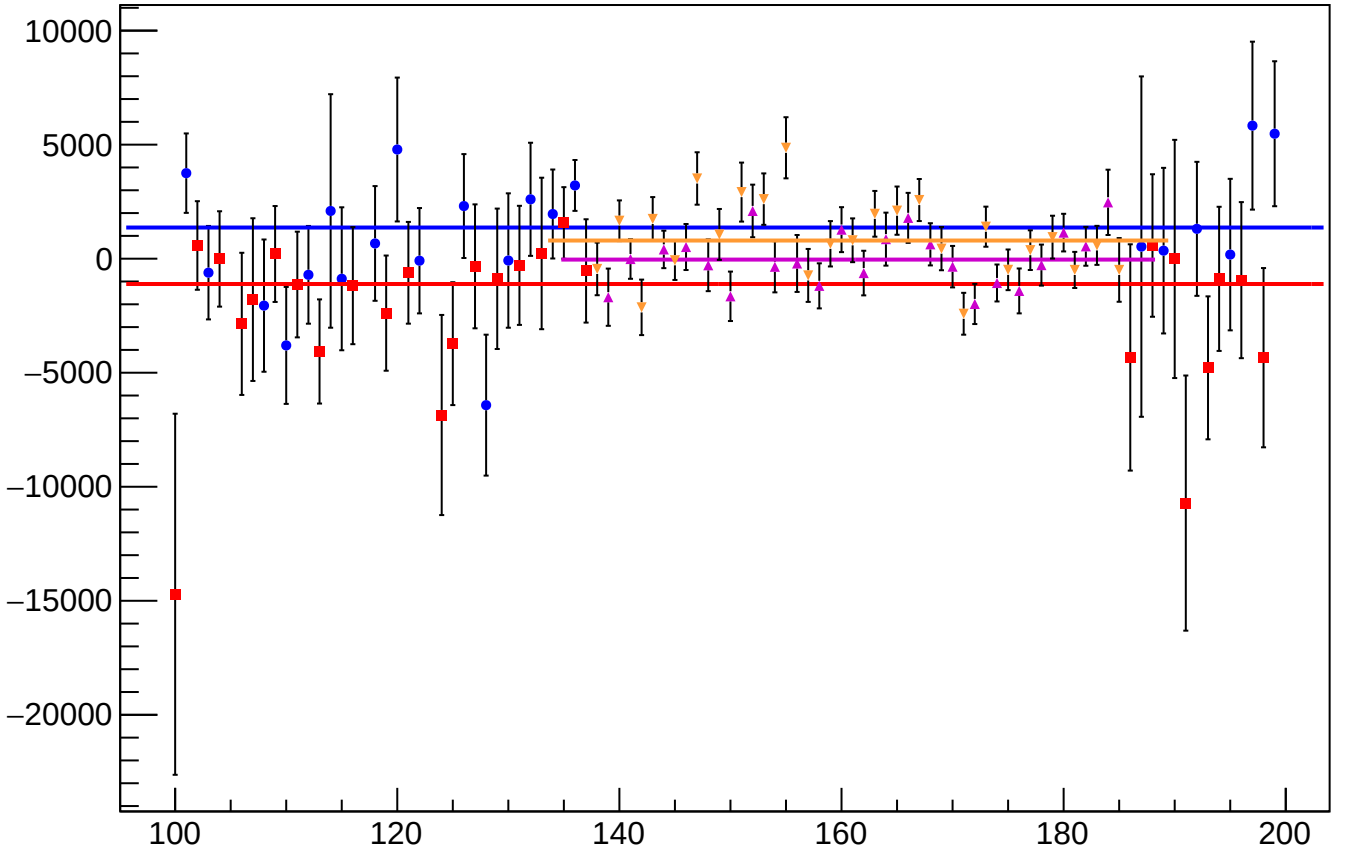
Right: 1716.212+/-0.262 χ^2/NDF: 5583718.3/48

In: 981.885+/-0.136 χ^2/NDF:7182381.7/44

Out: 983.847+/-0.132 χ^2/NDF:8622098.6/51

All: 982.893+/-0.095 χ^2/NDF: 15804587.4/96

asym_sam_24_68_dd_mean vs Slug, Sign Corrected



Right In: 1366.169+/-515.836 χ^2/NDF: 24.6/21

Left Out: 796.287+/-198.802 χ^2/NDF:57.2/24

Right Out: -1110.114+/-524.329 χ^2/NDF: 18.5/26

Left In: -39.746+/-205.349 χ^2/NDF:29.7/22

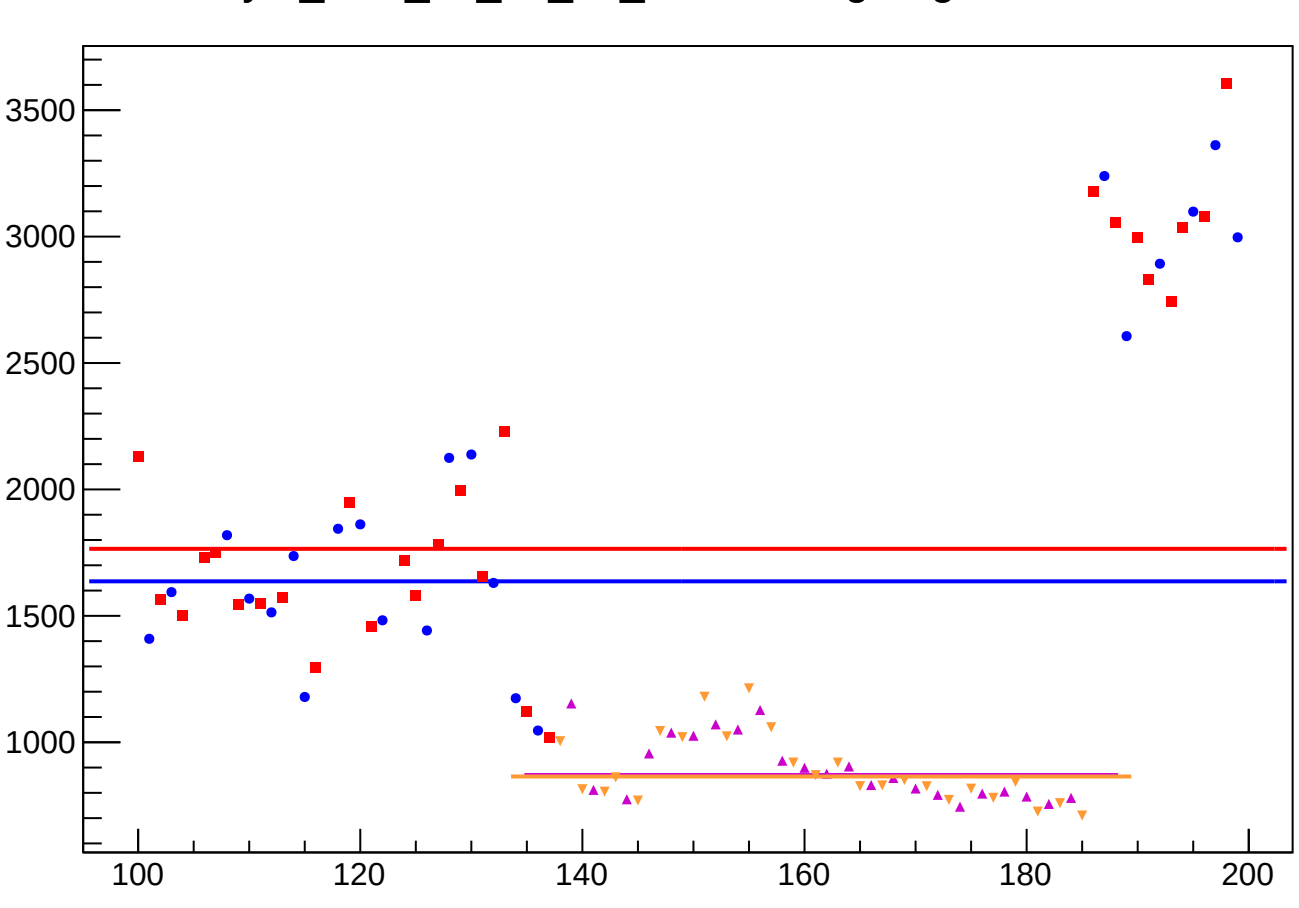
Left: 391.811+/-142.833 χ^2/NDF: 95.5/47

Right: 148.244+/-367.717 χ^2/NDF: 54.4/48

In: 152.579+/-190.788 χ^2/NDF:60.7/44

Out: 556.672+/-185.889 χ^2/NDF:87.2/51

All: 359.879+/-133.142 χ^2/NDF: 150.2/96



Right In: 1636.554+/-0.365 χ^2/NDF: 2715484.4/21

Left Out: 864.637+/-0.141 χ^2/NDF:688948.2/24

Right Out: 1765.100+/-0.371 χ^2/NDF: 2783265.3/26

Left In: 870.346+/-0.145 χ^2/NDF:604520.6/22

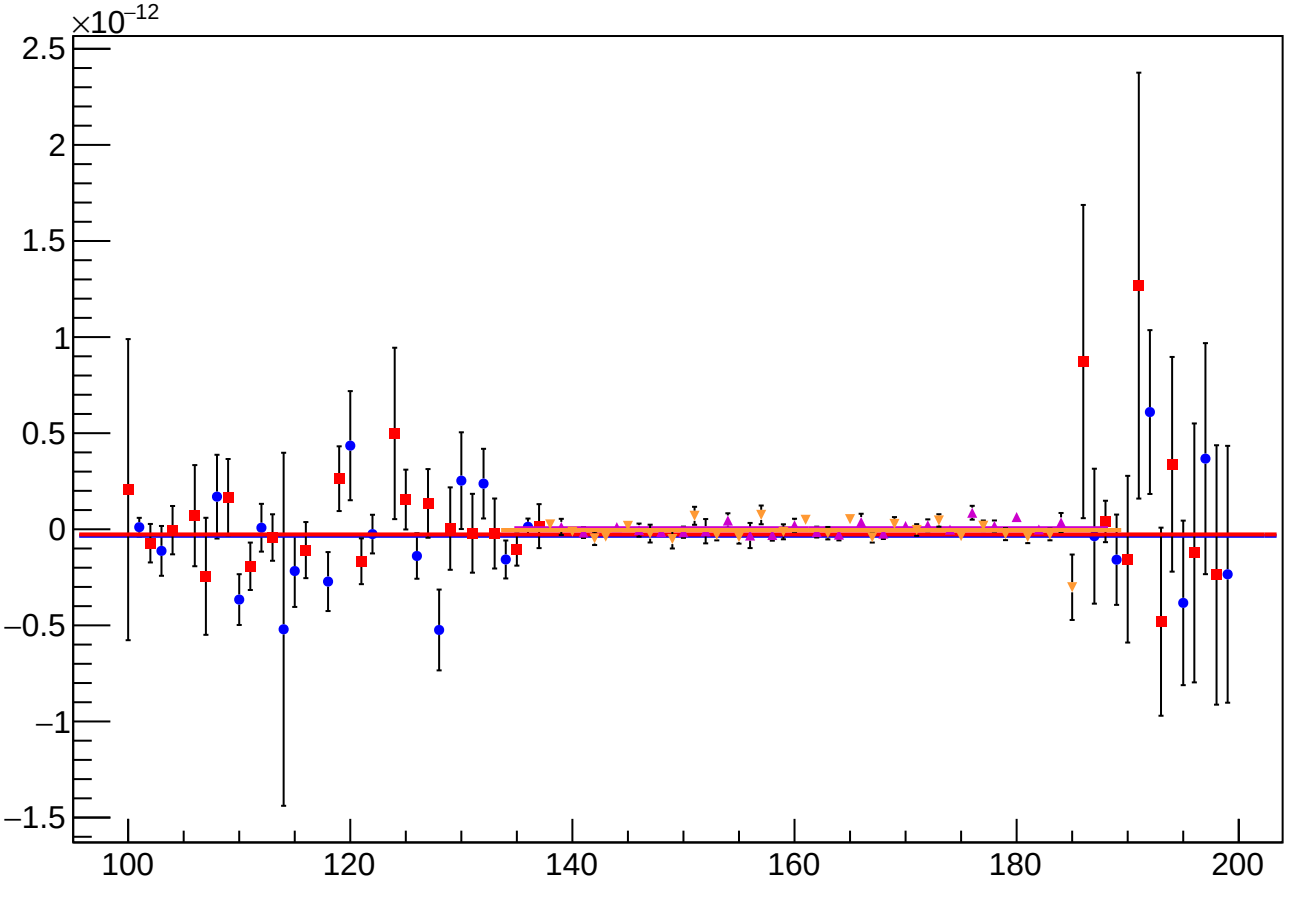
Left: 867.399+/-0.101 χ^2/NDF: 1294266.9/47

Right: 1699.778+/-0.260 χ^2/NDF: 5559836.0/48

In: 975.161+/-0.135 χ^2/NDF:7129023.4/44

Out: 977.816+/-0.131 χ^2/NDF:8629494.2/51

All: 976.523+/-0.094 χ^2/NDF: 15758716.3/96



Right In: -0.000+/-0.000 χ^2/NDF: 31.2/21

Left Out: -0.000+/-0.000 χ^2/NDF:38.7/24

Right Out: -0.000+/-0.000 χ^2/NDF: 17.5/26

Left In: 0.000+/-0.000 χ^2/NDF:20.6/22

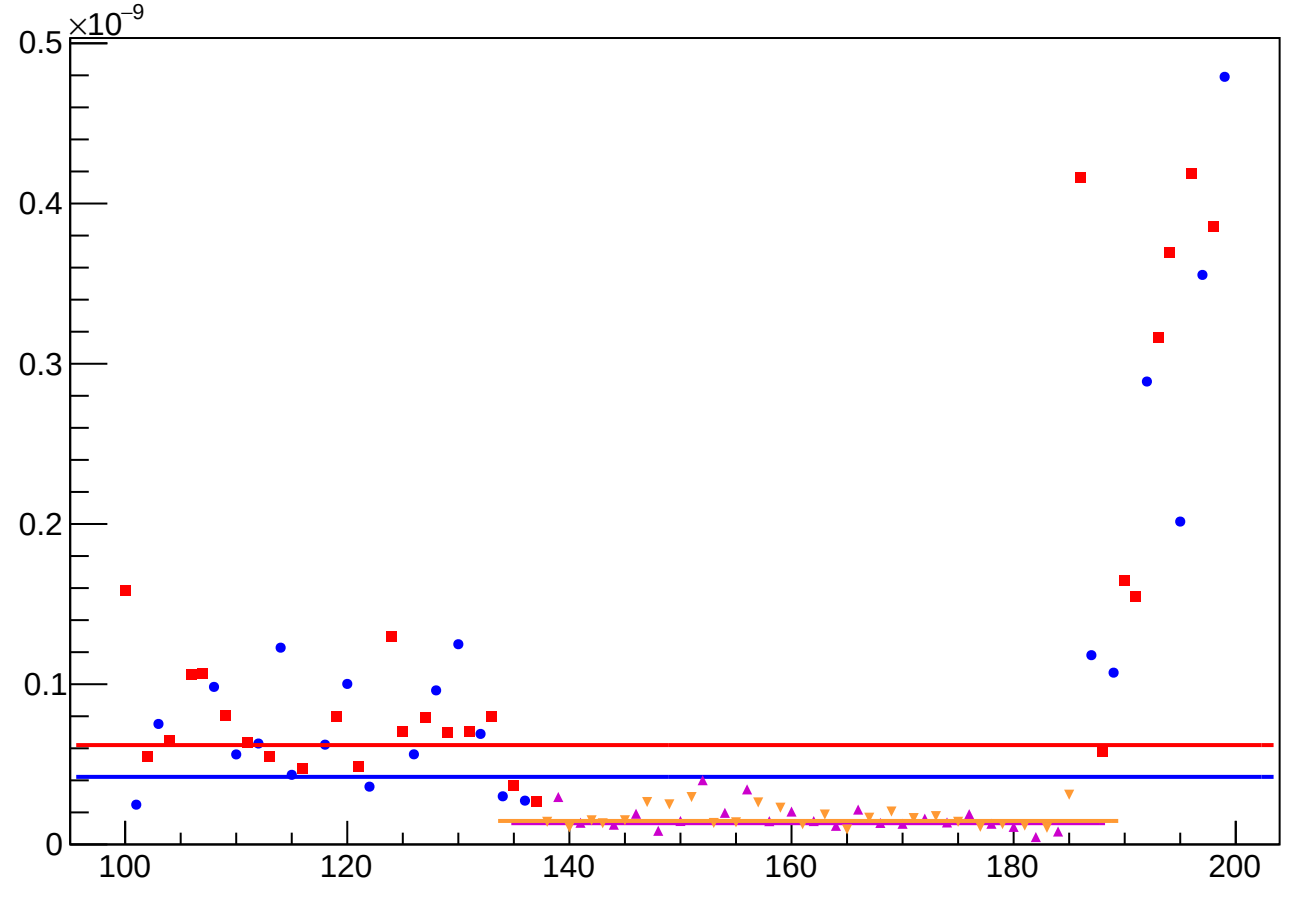
Left: 0.000+/-0.000 χ^2/NDF: 60.6/47

Right: -0.000+/-0.000 χ^2/NDF: 48.7/48

In: 0.000+/-0.000 χ^2/NDF:54.2/44

Out: -0.000+/-0.000 χ^2/NDF:56.7/51

All: -0.000+/-0.000 χ^2/NDF: 111.9/96



Right In: 0.000+/-0.000 χ^2/NDF: 4017718.3/21

Left Out: 0.000+/-0.000 χ^2/NDF:1073691.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3377690.9/26

Left In: 0.000+/-0.000 χ^2/NDF:1970835.1/22

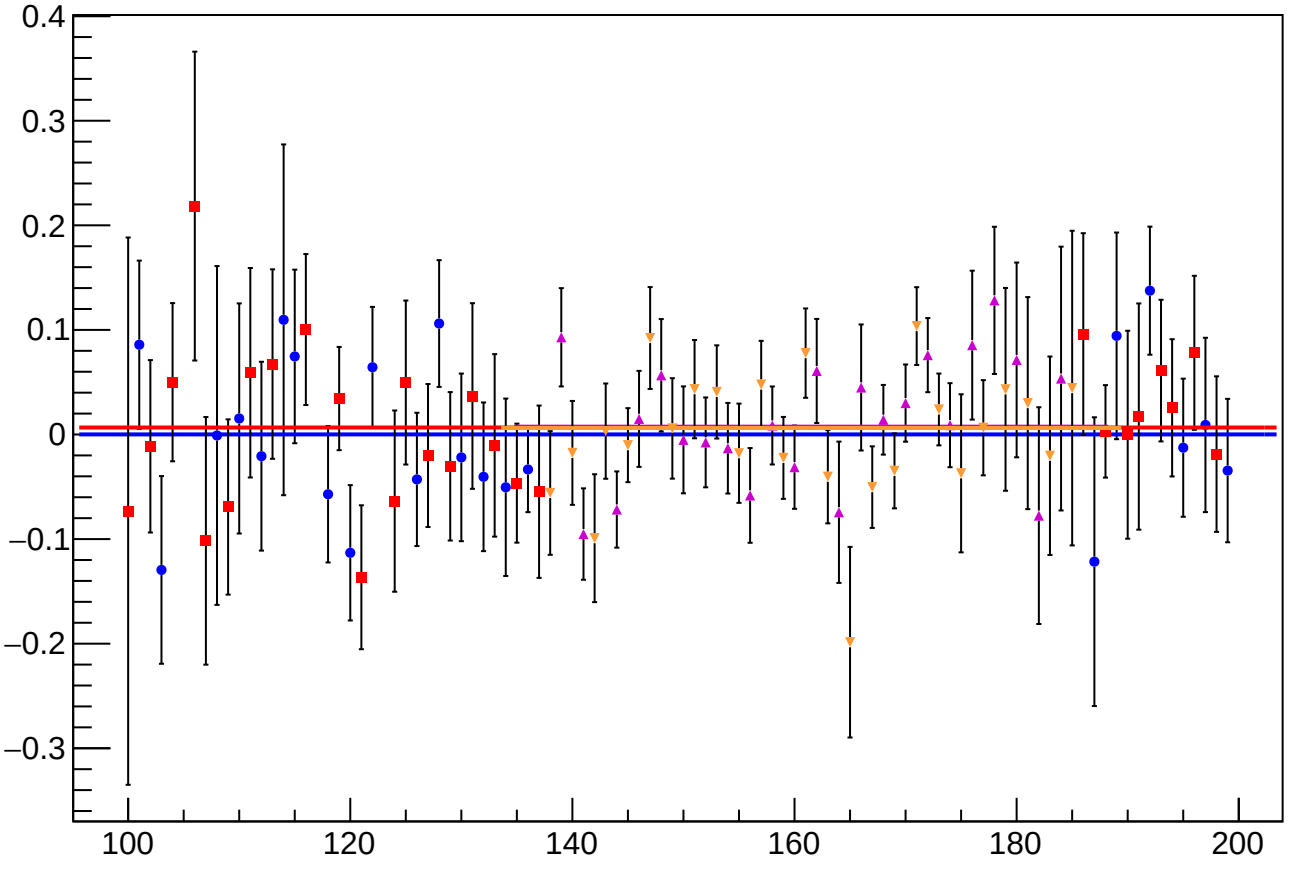
Left: 0.000+/-0.000 χ^2/NDF: 3099270.2/47

Right: 0.000+/-0.000 χ^2/NDF: 7878165.4/48

In: 0.000+/-0.000 χ^2/NDF:8571107.7/44

Out: 0.000+/-0.000 χ^2/NDF:8701603.2/51

All: 0.000+/-0.000 χ^2/NDF: 17330080.3/96



Right In: 0.000+/-0.016 χ^2/NDF: 21.6/21

Left Out: 0.006+/-0.010 χ^2/NDF:30.8/24

Right Out: 0.007+/-0.015 χ^2/NDF: 16.9/26

Left In: 0.007+/-0.010 χ^2/NDF:30.4/22

Left: 0.007+/-0.007 χ^2/NDF: 61.3/47

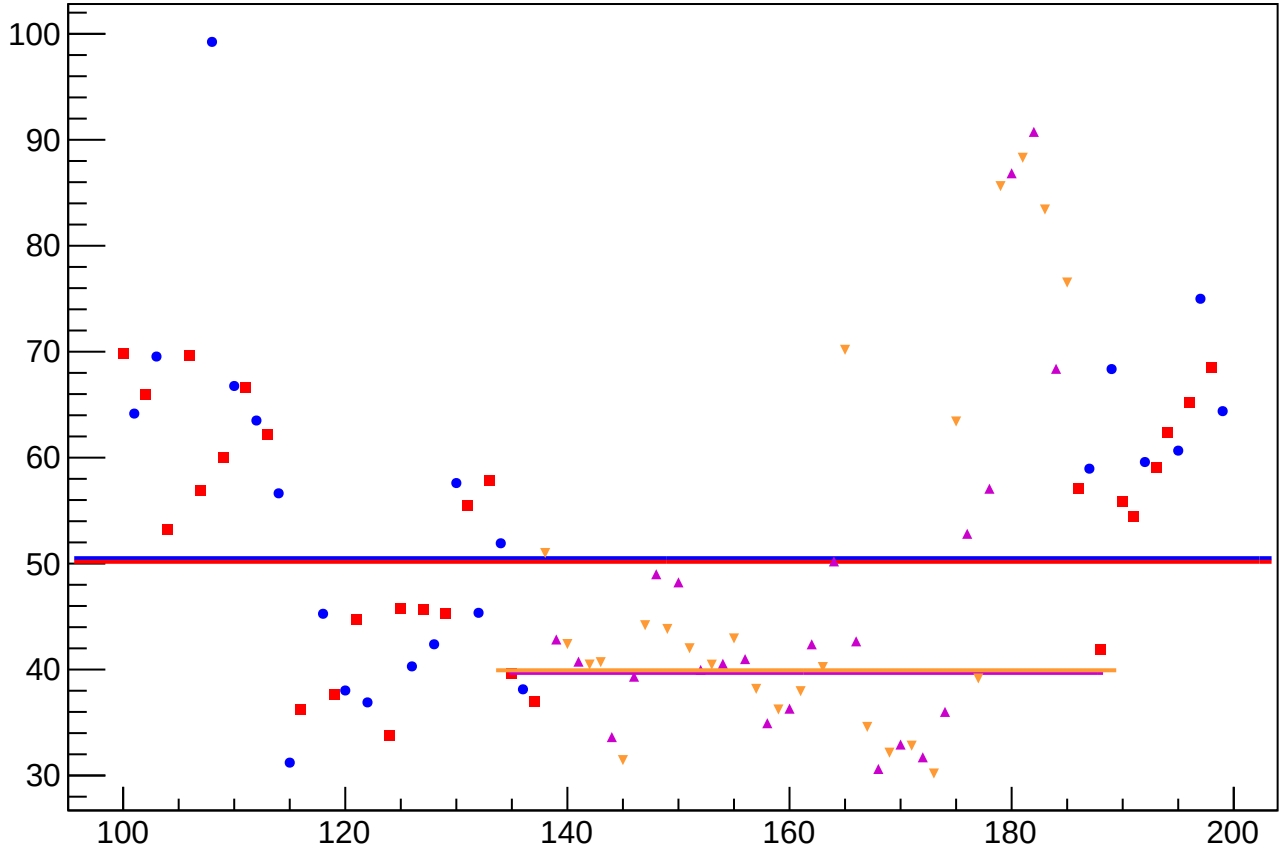
Right: 0.004+/-0.011 χ^2/NDF: 38.5/48

In: 0.005+/-0.008 χ^2/NDF:52.2/44

Out: 0.006+/-0.008 χ^2/NDF:47.7/51

All: 0.006+/-0.006 χ^2/NDF: 99.9/96

asym_sam_24_68_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 50.512+/-0.011 χ^2/NDF: 1439810.8/21

Left Out: 39.930+/-0.007 χ^2/NDF:2475485.4/24

Right Out: 50.171+/-0.010 χ^2/NDF: 1097501.3/26

Left In: 39.686+/-0.007 χ^2/NDF:1915871.4/22

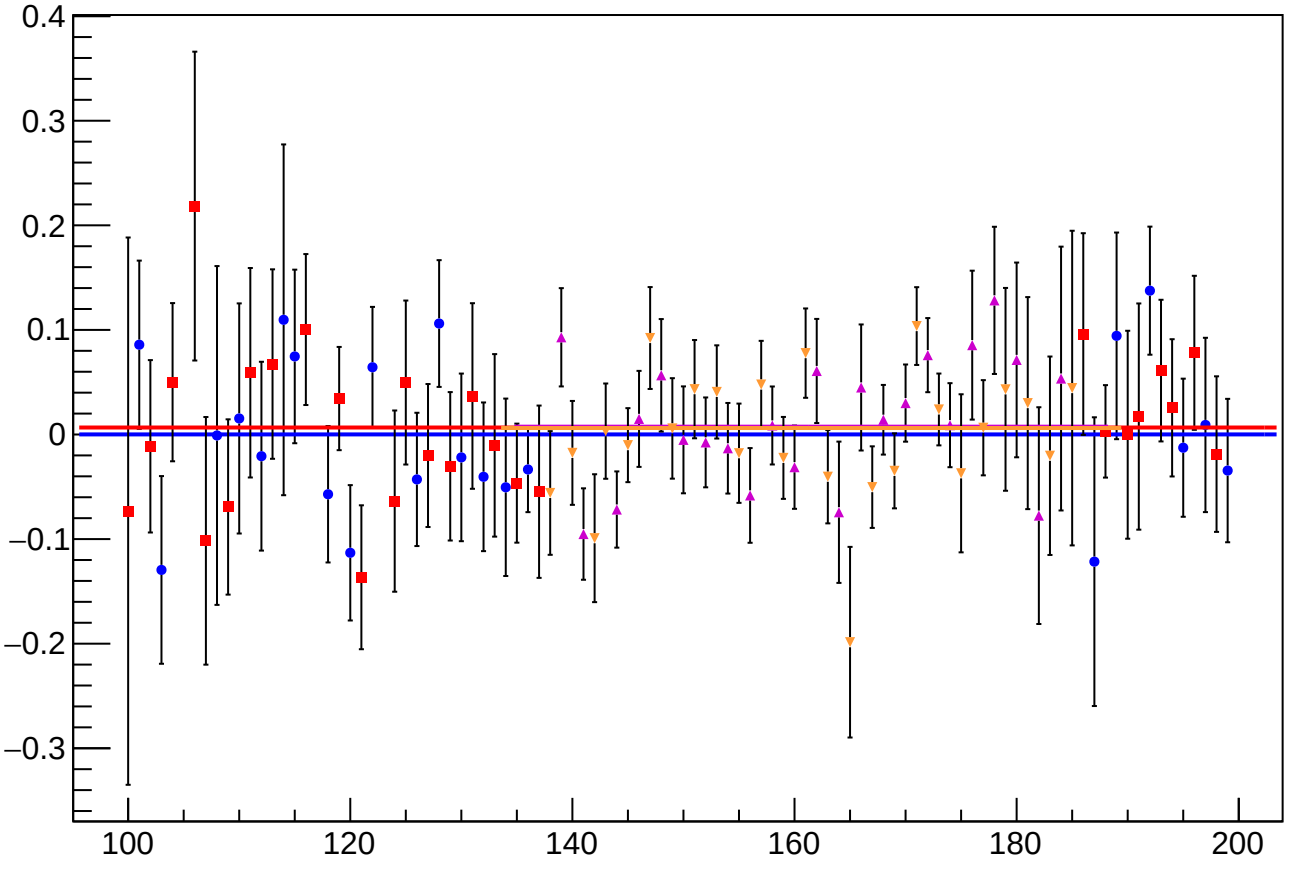
Left: 39.811+/-0.005 χ^2/NDF: 4391996.2/47

Right: 50.330+/-0.008 χ^2/NDF: 2537818.6/48

In: 42.731+/-0.006 χ^2/NDF:4045794.0/44

Out: 43.002+/-0.006 χ^2/NDF:4259664.3/51

All: 42.871+/-0.004 χ^2/NDF: 8306561.1/96



Right In: 0.000+/-0.016 χ^2/NDF: 21.6/21

Left Out: 0.006+/-0.010 χ^2/NDF:30.8/24

Right Out: 0.007+/-0.015 χ^2/NDF: 16.9/26

Left In: 0.007+/-0.010 χ^2/NDF:30.4/22

Left: 0.007+/-0.007 χ^2/NDF: 61.3/47

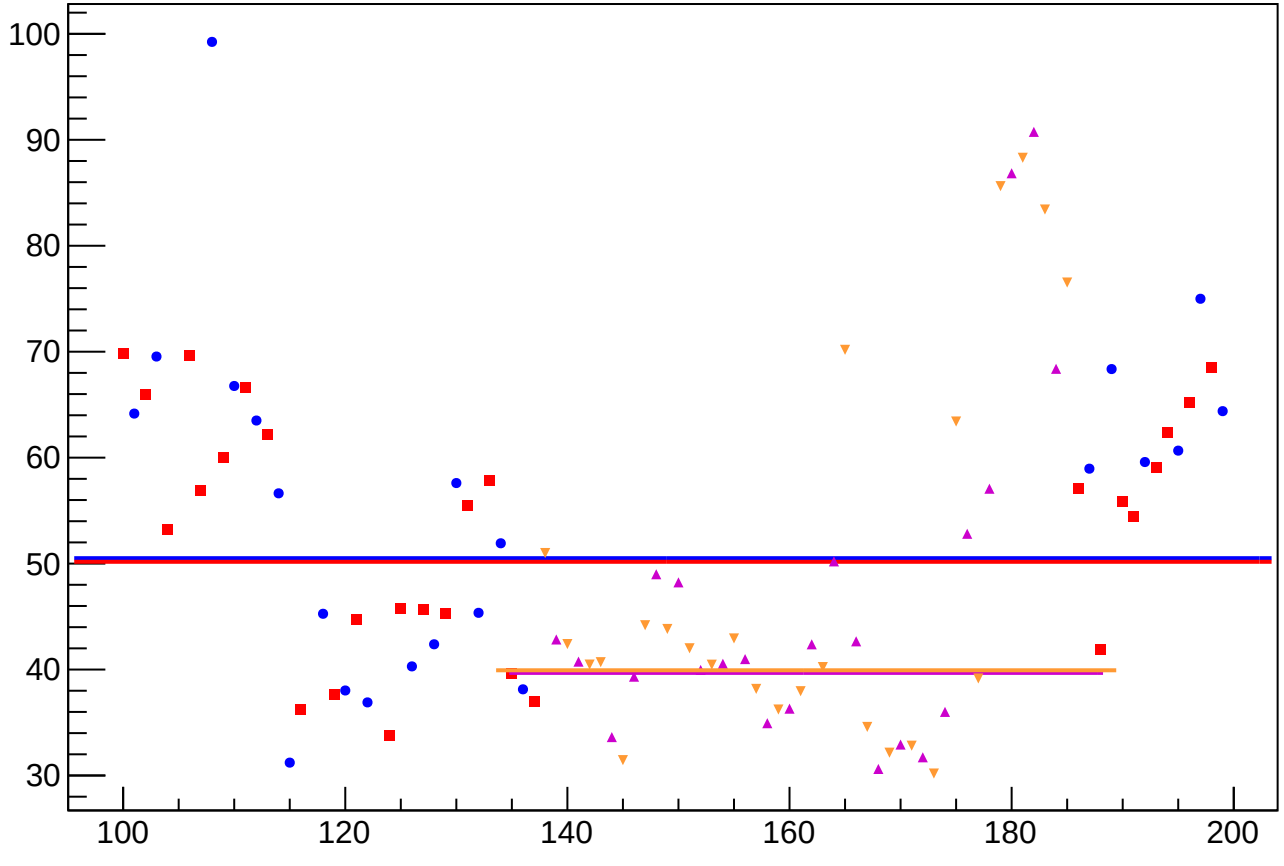
Right: 0.004+/-0.011 χ^2/NDF: 38.5/48

In: 0.005+/-0.008 χ^2/NDF:52.2/44

Out: 0.006+/-0.008 χ^2/NDF:47.7/51

All: 0.006+/-0.006 χ^2/NDF: 99.9/96

asym_sam_24_68_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 50.512+/-0.011 χ^2/NDF: 1439810.8/21

Left Out: 39.930+/-0.007 χ^2/NDF:2475485.4/24

Right Out: 50.171+/-0.010 χ^2/NDF: 1097501.3/26

Left In: 39.686+/-0.007 χ^2/NDF:1915871.4/22

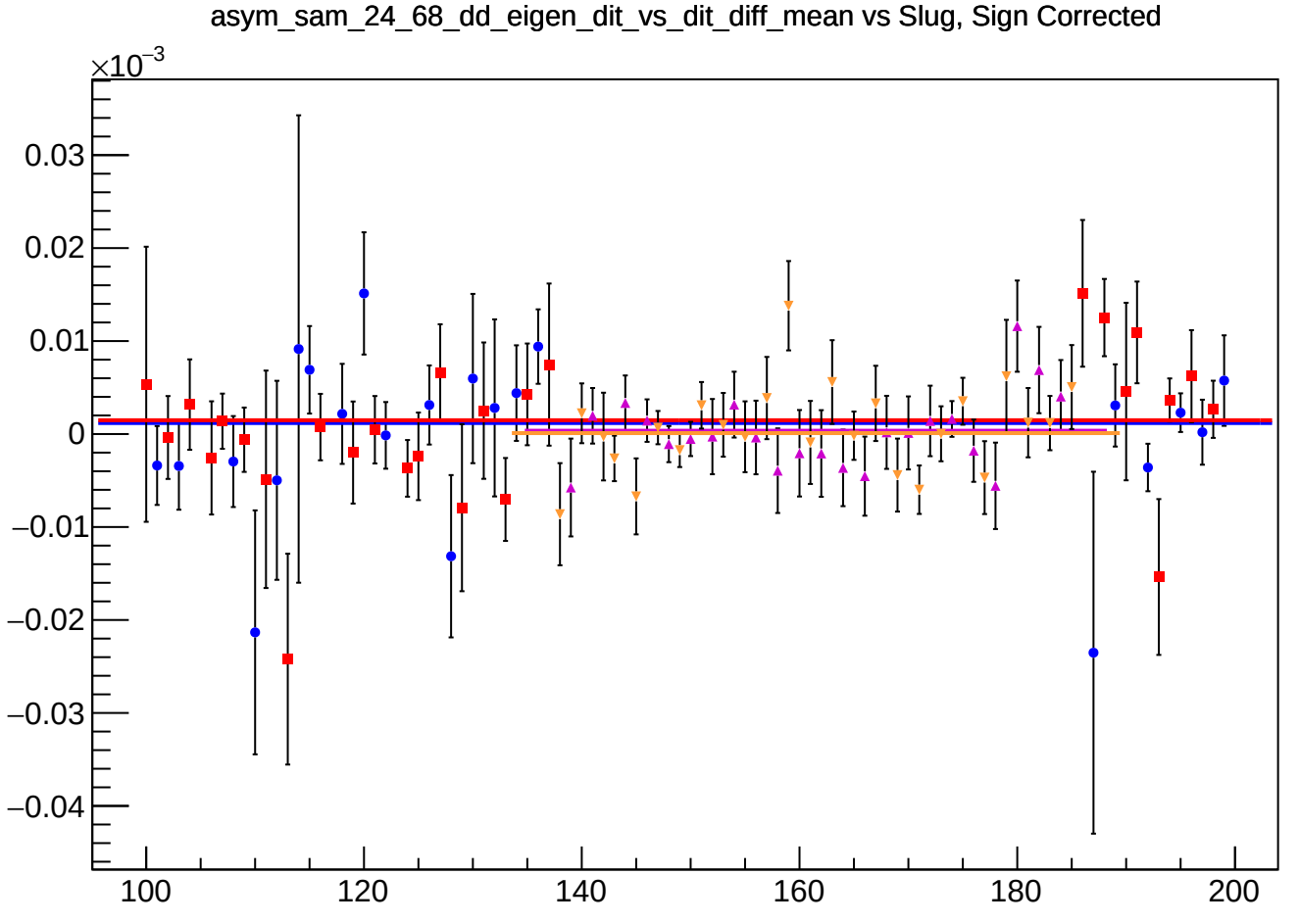
Left: 39.811+/-0.005 χ^2/NDF: 4391996.2/47

Right: 50.330+/-0.008 χ^2/NDF: 2537818.6/48

In: 42.731+/-0.006 χ^2/NDF:4045794.0/44

Out: 43.002+/-0.006 χ^2/NDF:4259664.3/51

All: 42.871+/-0.004 χ^2/NDF: 8306561.1/96



Right In: 0.000+/-0.000 χ^2/NDF: 26.7/21

Left Out: 0.000+/-0.000 χ^2/NDF:33.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 36.3/26

Left In: 0.000+/-0.000 χ^2/NDF:18.7/22

Left: 0.000+/-0.000 χ^2/NDF: 52.0/47

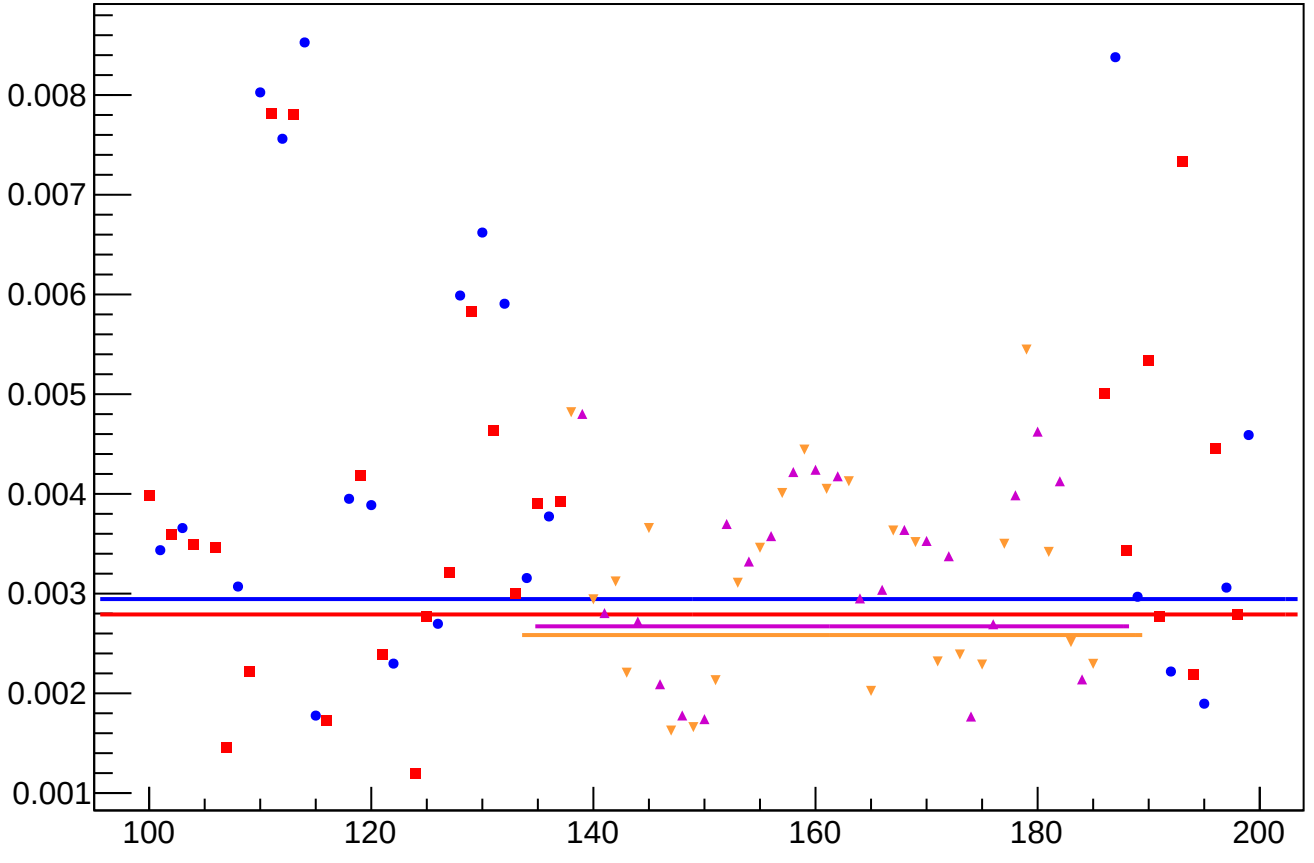
Right: 0.000+/-0.000 χ^2/NDF: 63.1/48

In: 0.000+/-0.000 χ^2/NDF:46.0/44

Out: 0.000+/-0.000 χ^2/NDF:71.2/51

All: 0.000+/-0.000 χ^2/NDF: 117.1/96

asym_sam_24_68_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 3060208.3/21

Left Out: 0.003+/-0.000 χ^2/NDF:3892707.7/24

Right Out: 0.003+/-0.000 χ^2/NDF: 4026798.3/26

Left In: 0.003+/-0.000 χ^2/NDF:3825662.0/22

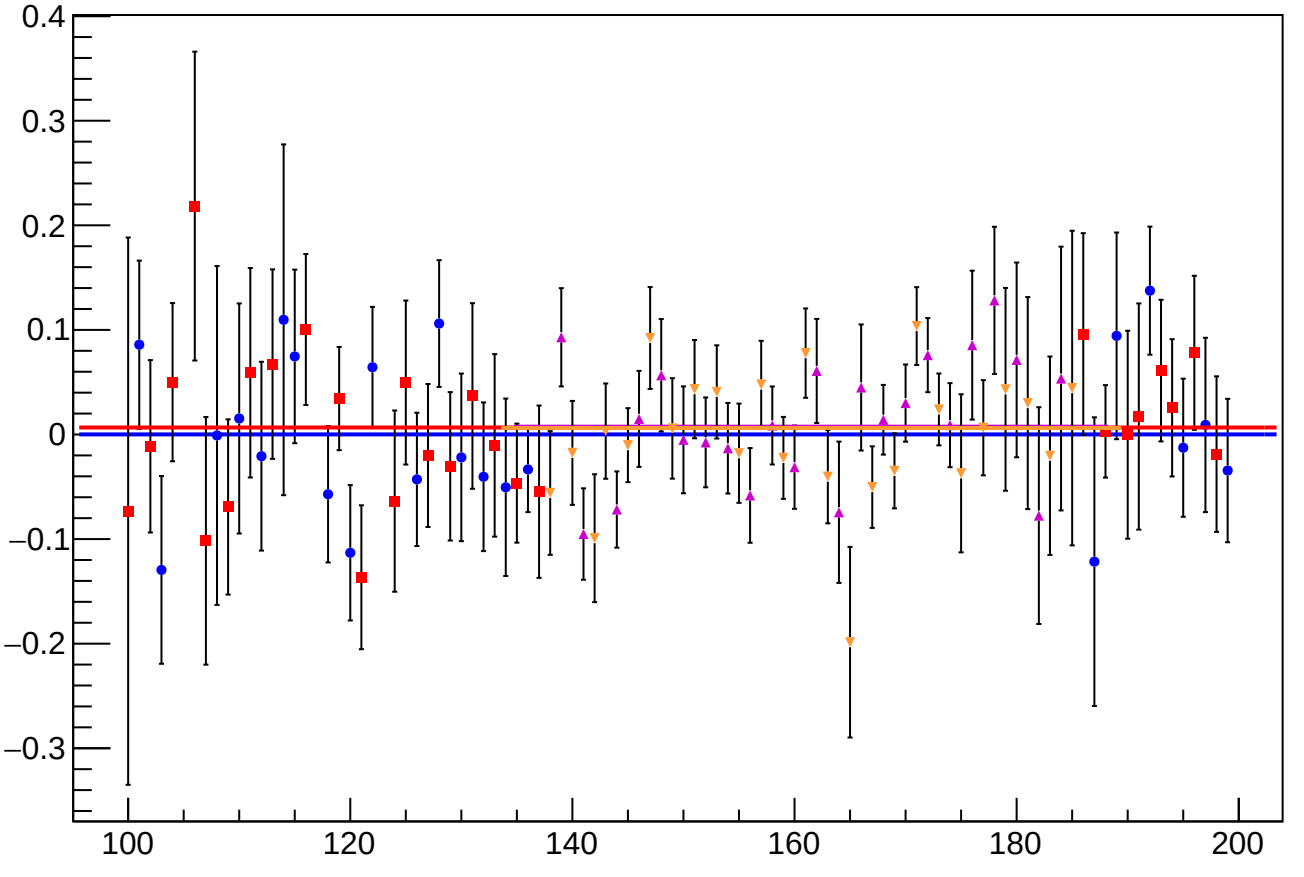
Left: 0.003+/-0.000 χ^2/NDF: 7736624.4/47

Right: 0.003+/-0.000 χ^2/NDF: 7115318.6/48

In: 0.003+/-0.000 χ^2/NDF:6995450.4/44

Out: 0.003+/-0.000 χ^2/NDF:7993301.4/51

All: 0.003+/-0.000 χ^2/NDF: 15029915.6/96



Right In: 0.000+/-0.016 χ^2/NDF: 21.6/21

Left Out: 0.006+/-0.010 χ^2/NDF:30.8/24

Right Out: 0.007+/-0.015 χ^2/NDF: 16.9/26

Left In: 0.007+/-0.010 χ^2/NDF:30.4/22

Left: 0.007+/-0.007 χ^2/NDF: 61.3/47

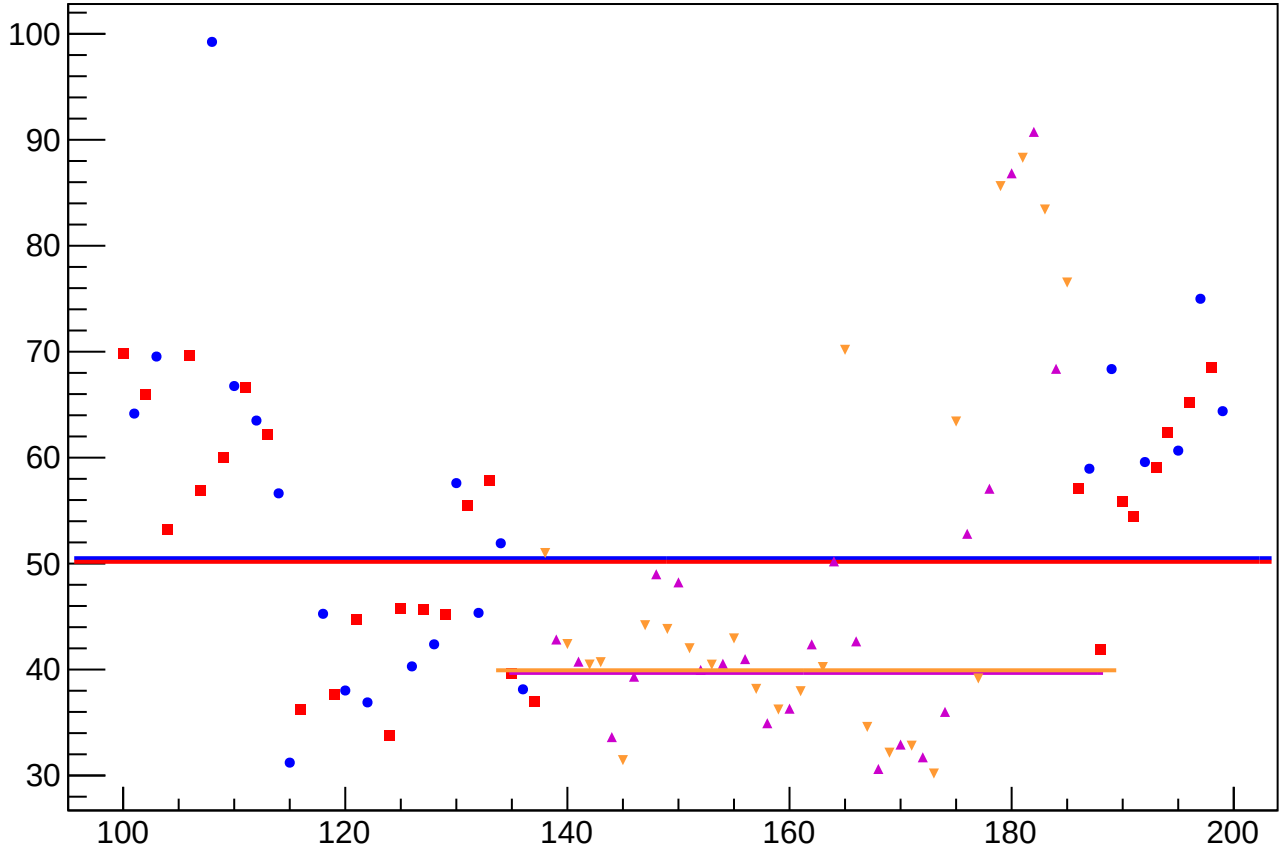
Right: 0.004+/-0.011 χ^2/NDF: 38.5/48

In: 0.005+/-0.008 χ^2/NDF:52.2/44

Out: 0.006+/-0.008 χ^2/NDF:47.7/51

All: 0.006+/-0.006 χ^2/NDF: 99.9/96

asym_sam_24_68_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 50.510+/-0.011 χ^2/NDF: 1439853.5/21

Left Out: 39.930+/-0.007 χ^2/NDF:2475527.1/24

Right Out: 50.170+/-0.010 χ^2/NDF: 1097503.8/26

Left In: 39.685+/-0.007 χ^2/NDF:1915901.2/22

Left: 39.810+/-0.005 χ^2/NDF: 4392069.1/47

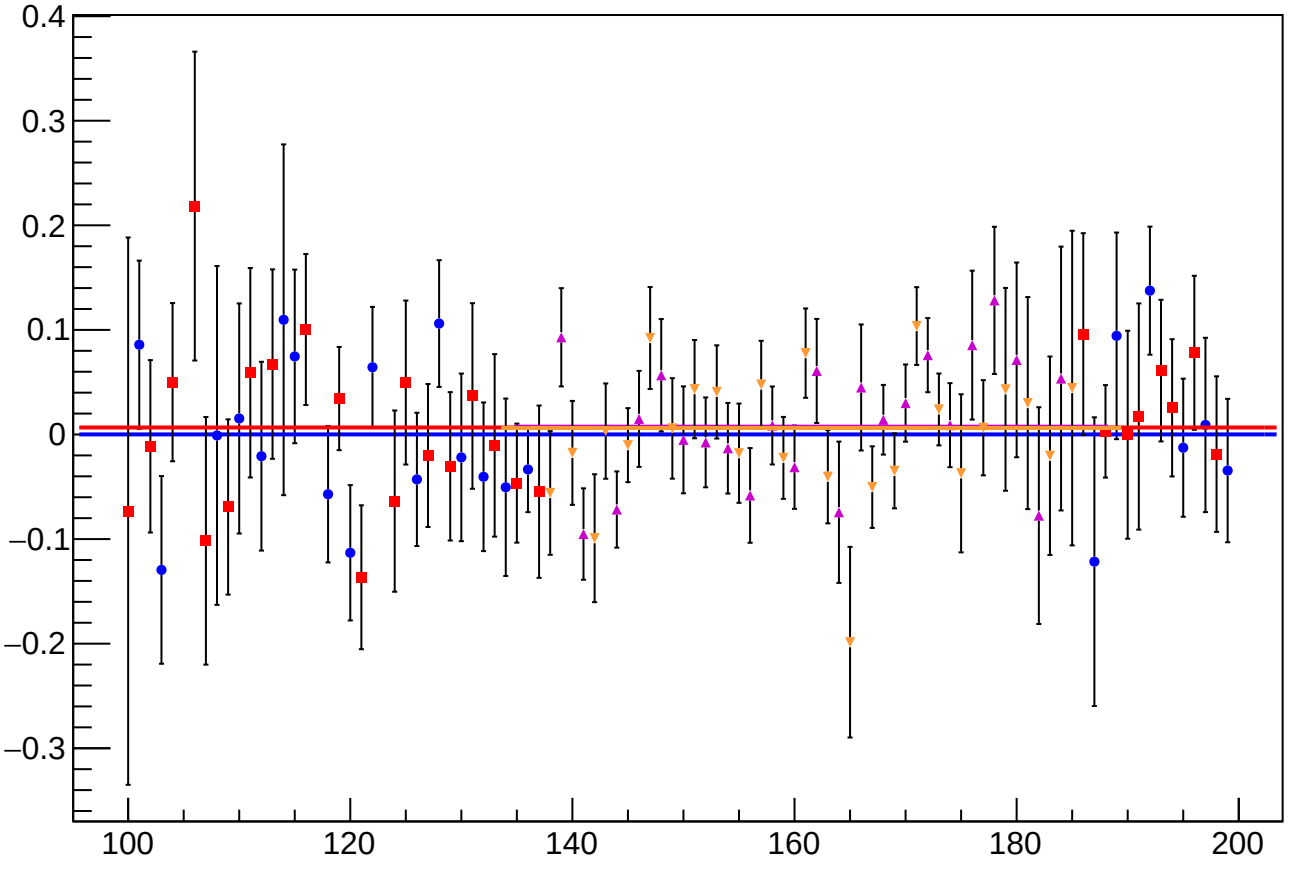
Right: 50.329+/-0.008 χ^2/NDF: 2537861.8/48

In: 42.731+/-0.006 χ^2/NDF:4045729.3/44

Out: 43.002+/-0.006 χ^2/NDF:4259602.4/51

All: 42.871+/-0.004 χ^2/NDF: 8306437.4/96

asym_sam_24_68_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.016 χ^2/NDF: 21.6/21

Left Out: 0.006+/-0.010 χ^2/NDF:30.8/24

Right Out: 0.007+/-0.015 χ^2/NDF: 16.9/26

Left In: 0.007+/-0.010 χ^2/NDF:30.4/22

Left: 0.007+/-0.007 χ^2/NDF: 61.3/47

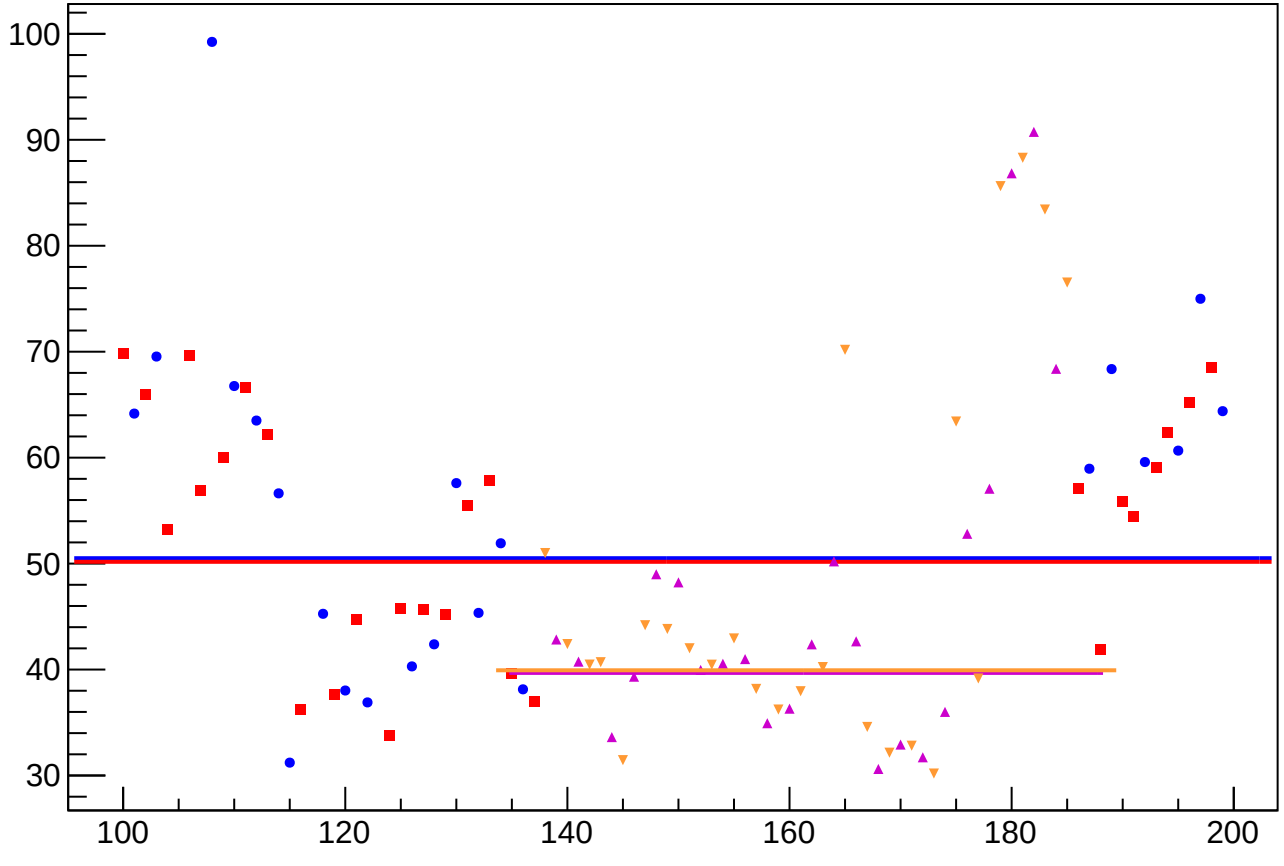
Right: 0.004+/-0.011 χ^2/NDF: 38.5/48

In: 0.005+/-0.008 χ^2/NDF:52.2/44

Out: 0.006+/-0.008 χ^2/NDF:47.7/51

All: 0.006+/-0.006 χ^2/NDF: 99.9/96

asym_sam_24_68_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 50.510+/-0.011 χ^2/NDF: 1439853.5/21

Left Out: 39.930+/-0.007 χ^2/NDF:2475527.1/24

Right Out: 50.170+/-0.010 χ^2/NDF: 1097503.8/26

Left In: 39.685+/-0.007 χ^2/NDF:1915901.2/22

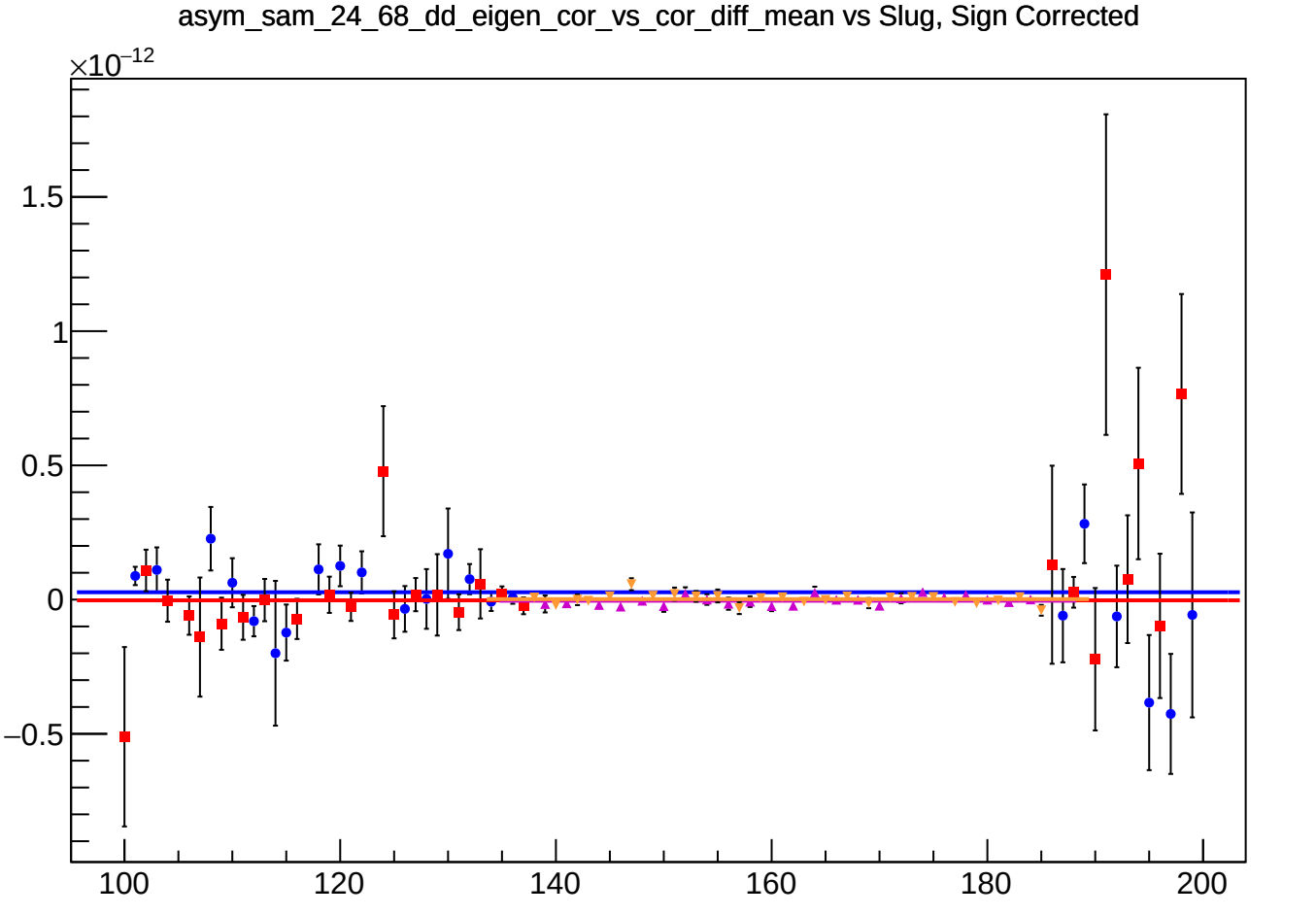
Left: 39.810+/-0.005 χ^2/NDF: 4392069.1/47

Right: 50.329+/-0.008 χ^2/NDF: 2537861.8/48

In: 42.731+/-0.006 χ^2/NDF:4045729.3/44

Out: 43.002+/-0.006 χ^2/NDF:4259602.4/51

All: 42.871+/-0.004 χ^2/NDF: 8306437.4/96



Right In: 0.000+/-0.000 χ^2/NDF: 31.3/21

Left Out: 0.000+/-0.000 χ^2/NDF:28.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 26.1/26

Left In: -0.000+/-0.000 χ^2/NDF:27.5/22

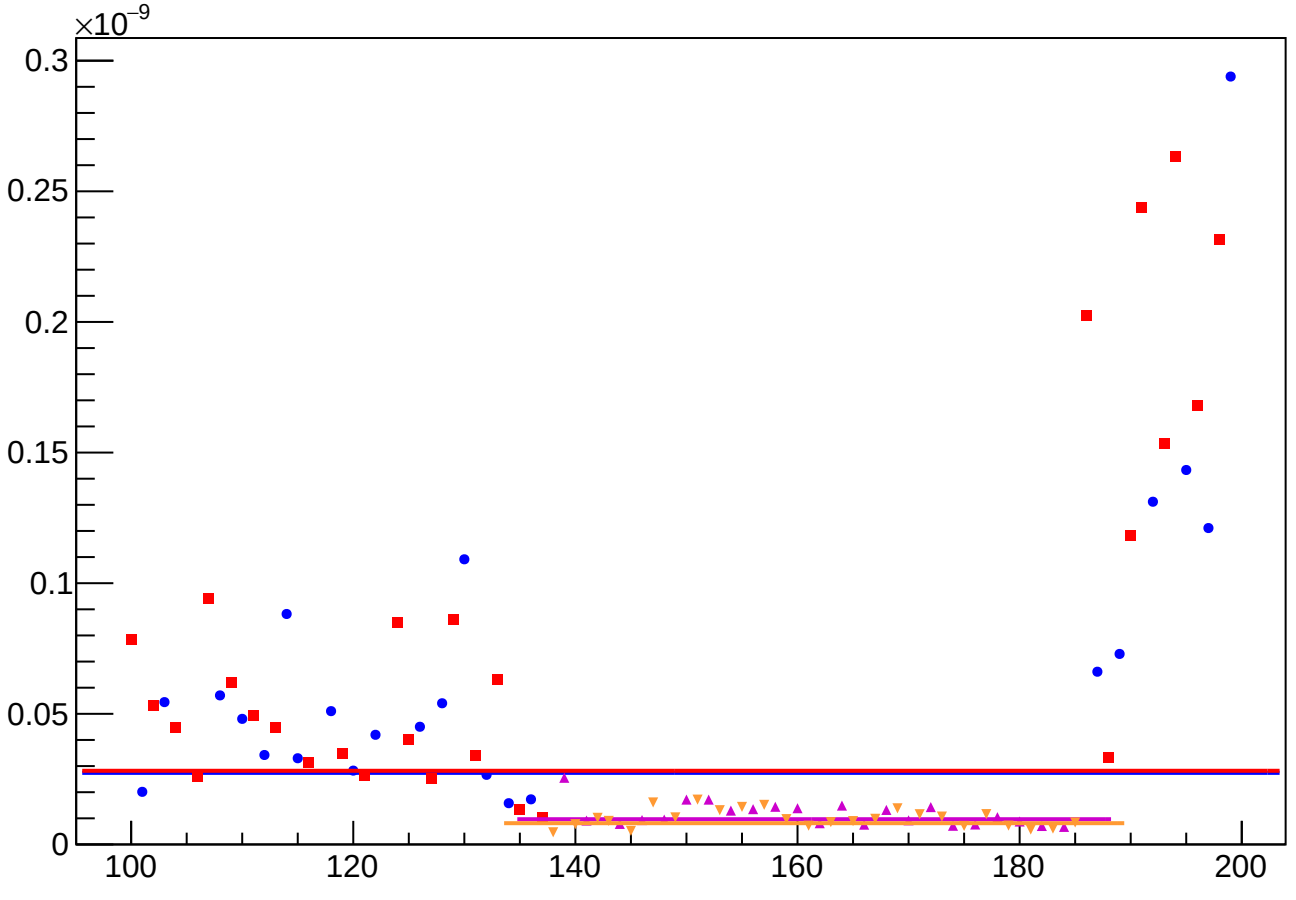
Left: -0.000+/-0.000 χ^2/NDF: 57.5/47

Right: 0.000+/-0.000 χ^2/NDF: 59.8/48

In: -0.000+/-0.000 χ^2/NDF:64.0/44

Out: 0.000+/-0.000 χ^2/NDF:54.2/51

All: -0.000+/-0.000 χ^2/NDF: 119.2/96



Right In: 0.000+/-0.000 χ^2/NDF: 4813572.7/21

Left Out: 0.000+/-0.000 χ^2/NDF:2354980.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6368766.4/26

Left In: 0.000+/-0.000 χ^2/NDF:2106161.0/22

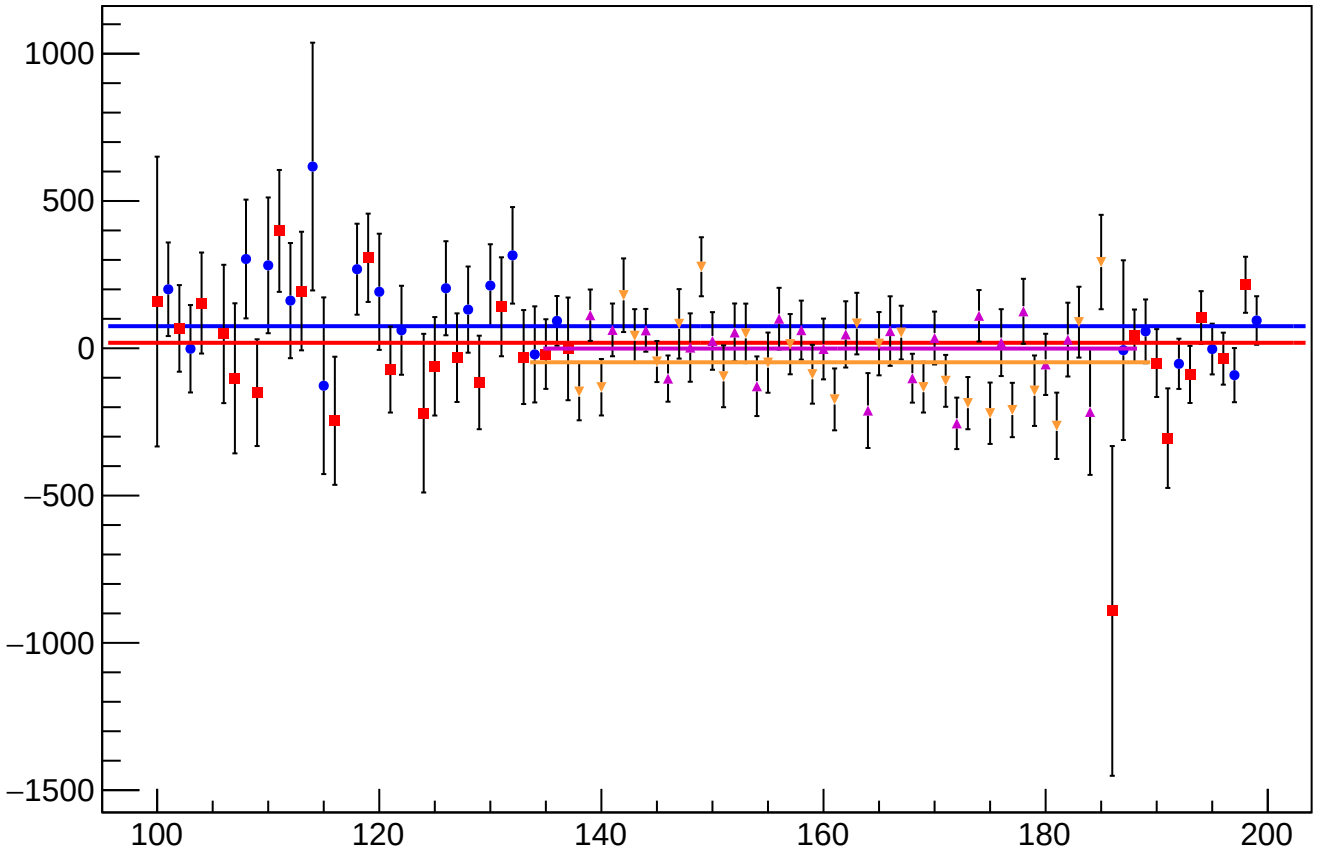
Left: 0.000+/-0.000 χ^2/NDF: 4748302.8/47

Right: 0.000+/-0.000 χ^2/NDF: 11185804.6/48

In: 0.000+/-0.000 χ^2/NDF:10281909.8/44

Out: 0.000+/-0.000 χ^2/NDF:12796400.6/51

All: 0.000+/-0.000 χ^2/NDF: 23466836.0/96



Right In: 74.984+/-28.073 χ^2/NDF: 18.0/21

Left Out: -47.524+/-19.983 χ^2/NDF:44.0/24

Right Out: 18.646+/-27.421 χ^2/NDF: 27.8/26

Left In: -0.986+/-20.604 χ^2/NDF:25.5/22

Left: -24.966+/-14.345 χ^2/NDF: 72.1/47

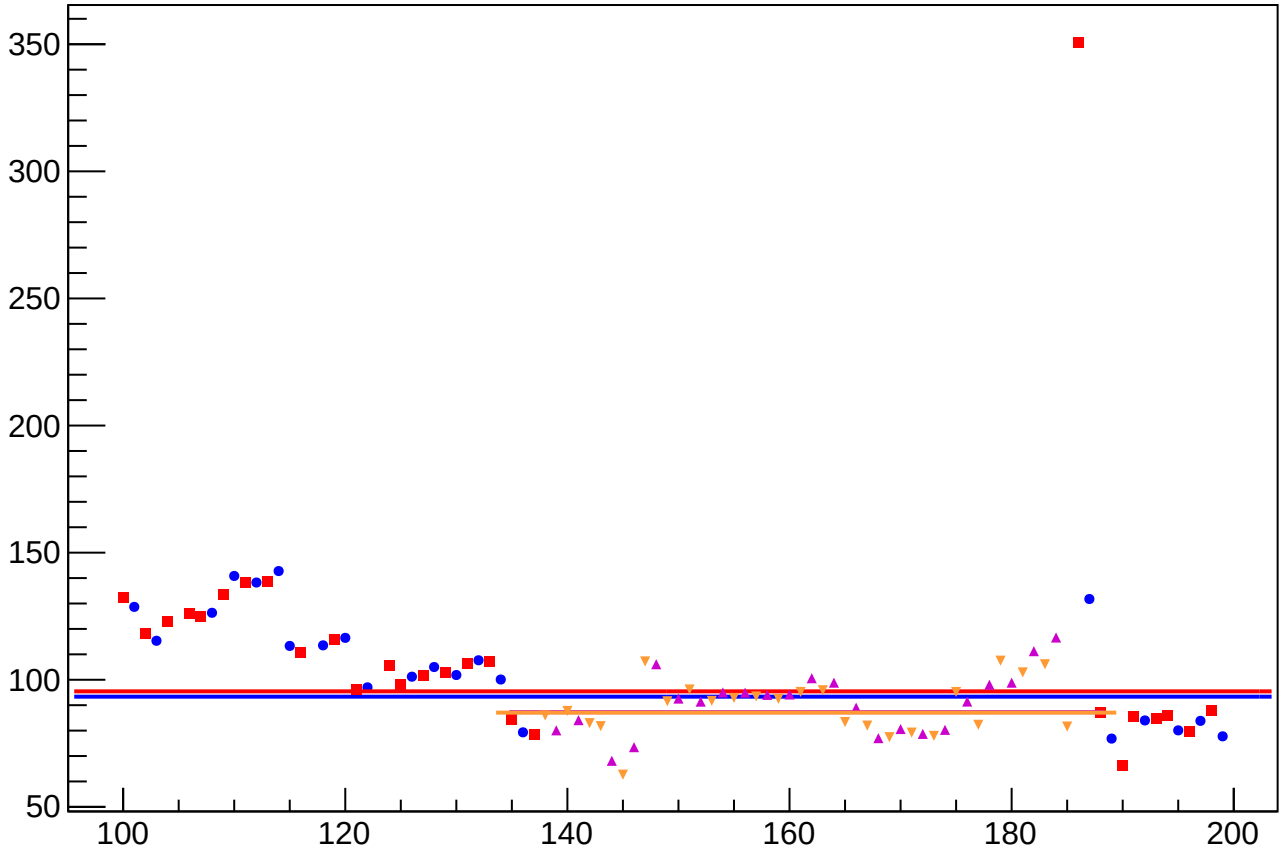
Right: 46.153+/-19.616 χ^2/NDF: 47.8/48

In: 25.610+/-16.610 χ^2/NDF:48.2/44

Out: -24.571+/-16.150 χ^2/NDF:75.5/51

All: -0.186+/-11.579 χ^2/NDF: 128.4/96

reg_asym_sam_26_48_dd_rms vs Slug, Sign Corrected



Right In: 93.349+/-0.020 χ^2/NDF: 827726.8/21

Left Out: 87.072+/-0.014 χ^2/NDF:620626.5/24

Right Out: 95.444+/-0.019 χ^2/NDF: 1246195.3/26

Left In: 87.257+/-0.015 χ^2/NDF:595793.1/22

Left: 87.161+/-0.010 χ^2/NDF: 1216502.5/47

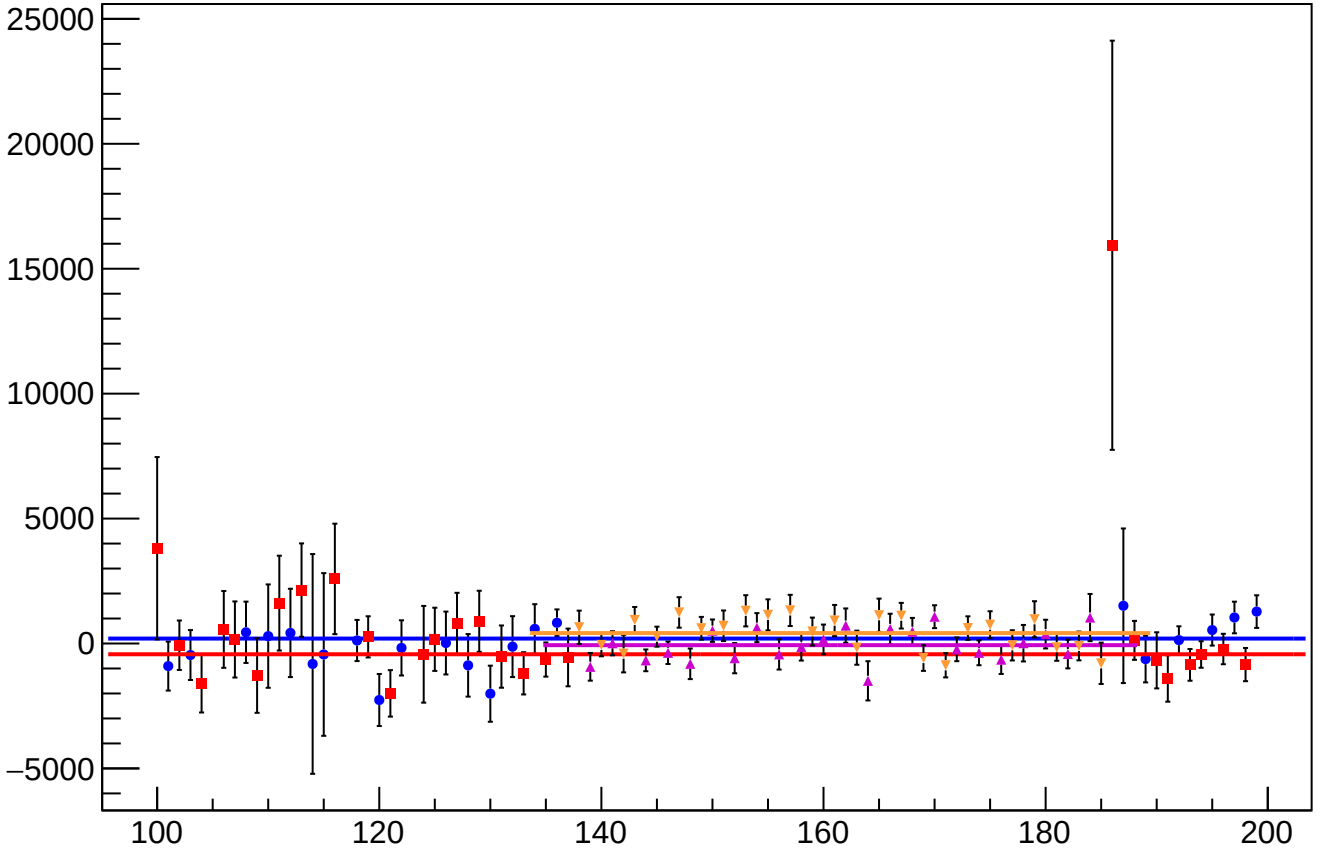
Right: 94.421+/-0.014 χ^2/NDF: 2079618.8/48

In: 89.390+/-0.012 χ^2/NDF:1484748.8/44

Out: 89.976+/-0.011 χ^2/NDF:1988591.2/51

All: 89.691+/-0.008 χ^2/NDF: 3474620.2/96

asym_sam_26_48_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 197.233+/-196.832 χ^2/NDF: 19.6/21

Left Out: 416.424+/-112.336 χ^2/NDF:32.4/24

Right Out: -430.879+/-187.928 χ^2/NDF: 21.8/26

Left In: -66.675+/-115.419 χ^2/NDF:27.5/22

Left: 181.413+/-80.501 χ^2/NDF: 68.9/47

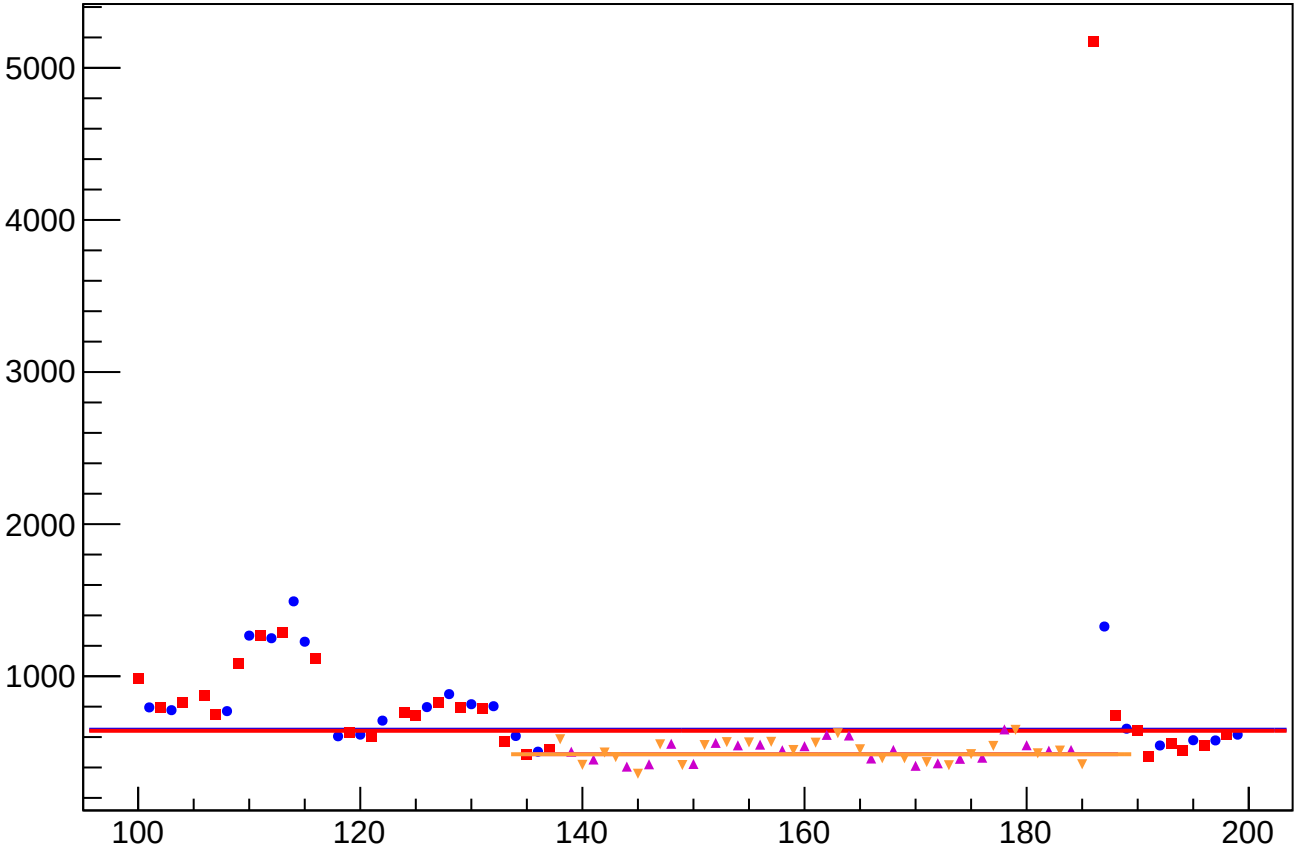
Right: -131.350+/-135.924 χ^2/NDF: 46.7/48

In: 0.850+/-99.564 χ^2/NDF:48.4/44

Out: 193.370+/-96.422 χ^2/NDF:69.2/51

All: 100.195+/-69.265 χ^2/NDF: 119.5/96

asym_sam_26_48_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 648.271+/-0.139 χ^2/NDF: 1202241.5/21

Left Out: 487.081+/-0.079 χ^2/NDF:821265.9/24

Right Out: 641.409+/-0.133 χ^2/NDF: 2094570.6/26

Left In: 487.930+/-0.082 χ^2/NDF:634269.5/22

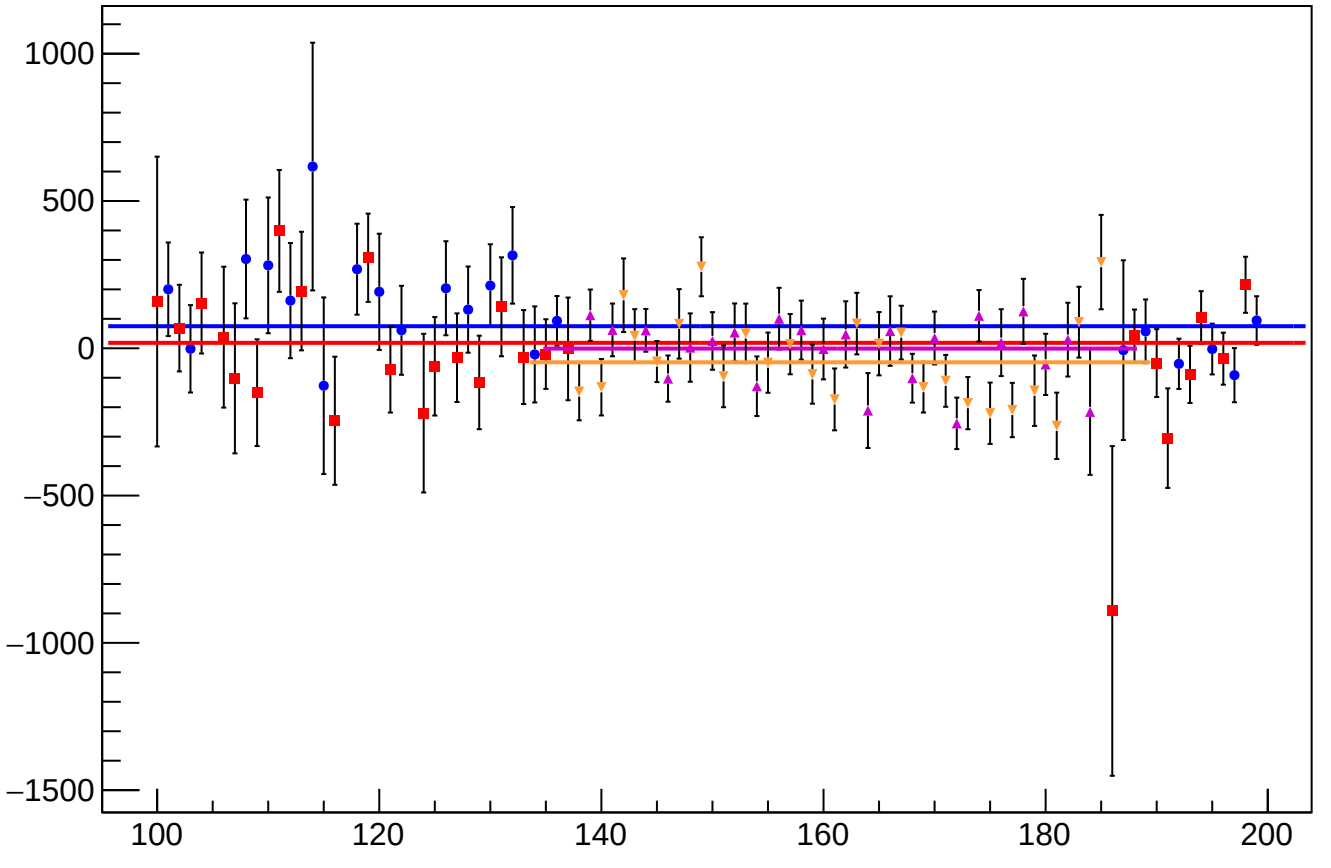
Left: 487.494+/-0.057 χ^2/NDF: 1455591.1/47

Right: 644.681+/-0.096 χ^2/NDF: 3298084.0/48

In: 528.956+/-0.070 χ^2/NDF:2824108.6/44

Out: 527.708+/-0.068 χ^2/NDF:3909533.7/51

All: 528.312+/-0.049 χ^2/NDF: 6733804.6/96



Right In: 74.974+/-28.073 χ^2/NDF: 18.0/21

Left Out: -47.532+/-19.983 χ^2/NDF:44.0/24

Right Out: 18.523+/-27.428 χ^2/NDF: 27.8/26

Left In: -0.988+/-20.604 χ^2/NDF:25.5/22

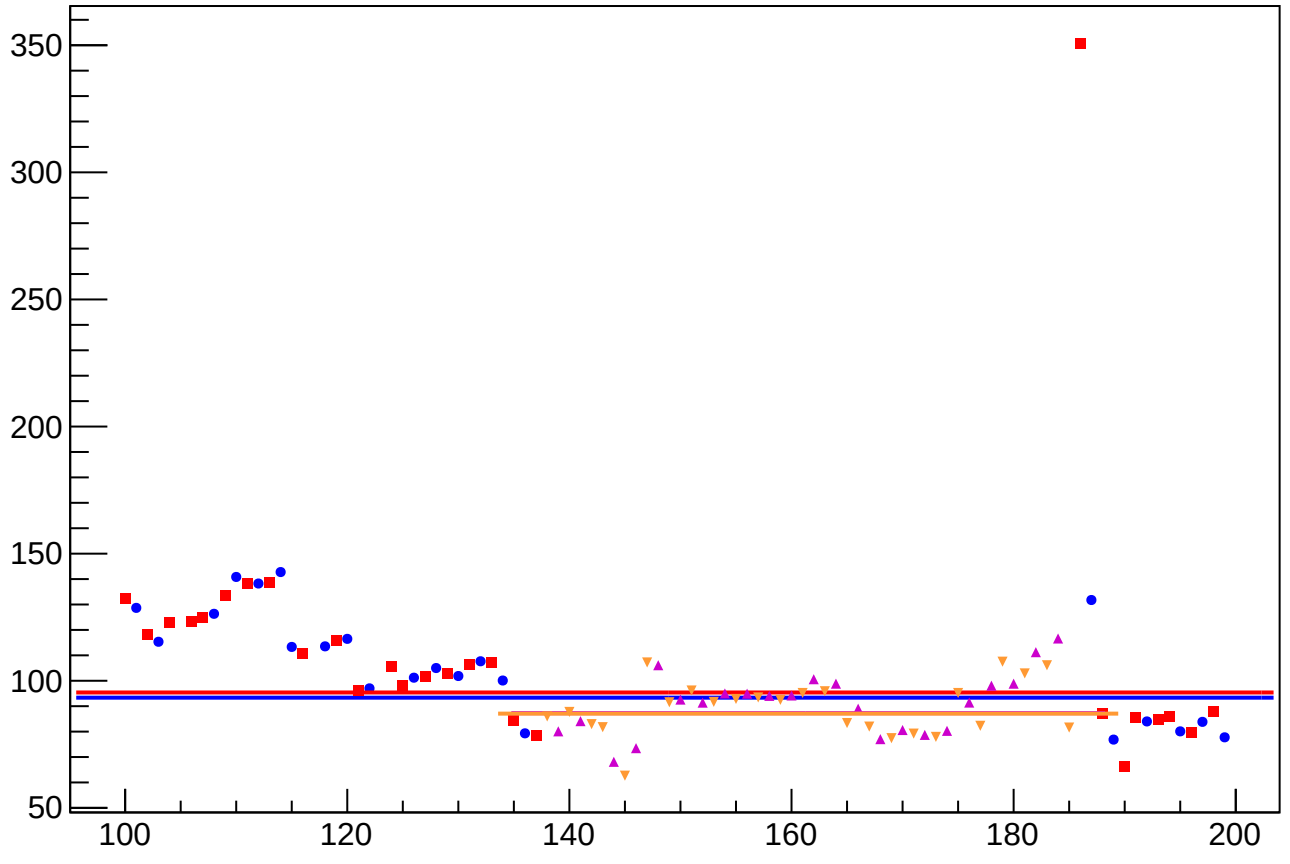
Left: -24.971+/-14.345 χ^2/NDF: 72.1/47

Right: 46.093+/-19.618 χ^2/NDF: 47.8/48

In: 25.605+/-16.610 χ^2/NDF:48.2/44

Out: -24.627+/-16.151 χ^2/NDF:75.5/51

All: -0.215+/-11.579 χ^2/NDF: 128.4/96



Right In: 93.349+/-0.020 χ^2/NDF: 827727.2/21

Left Out: 87.072+/-0.014 χ^2/NDF:620626.5/24

Right Out: 95.392+/-0.019 χ^2/NDF: 1239298.6/26

Left In: 87.257+/-0.015 χ^2/NDF:595793.1/22

Left: 87.161+/-0.010 χ^2/NDF: 1216502.6/47

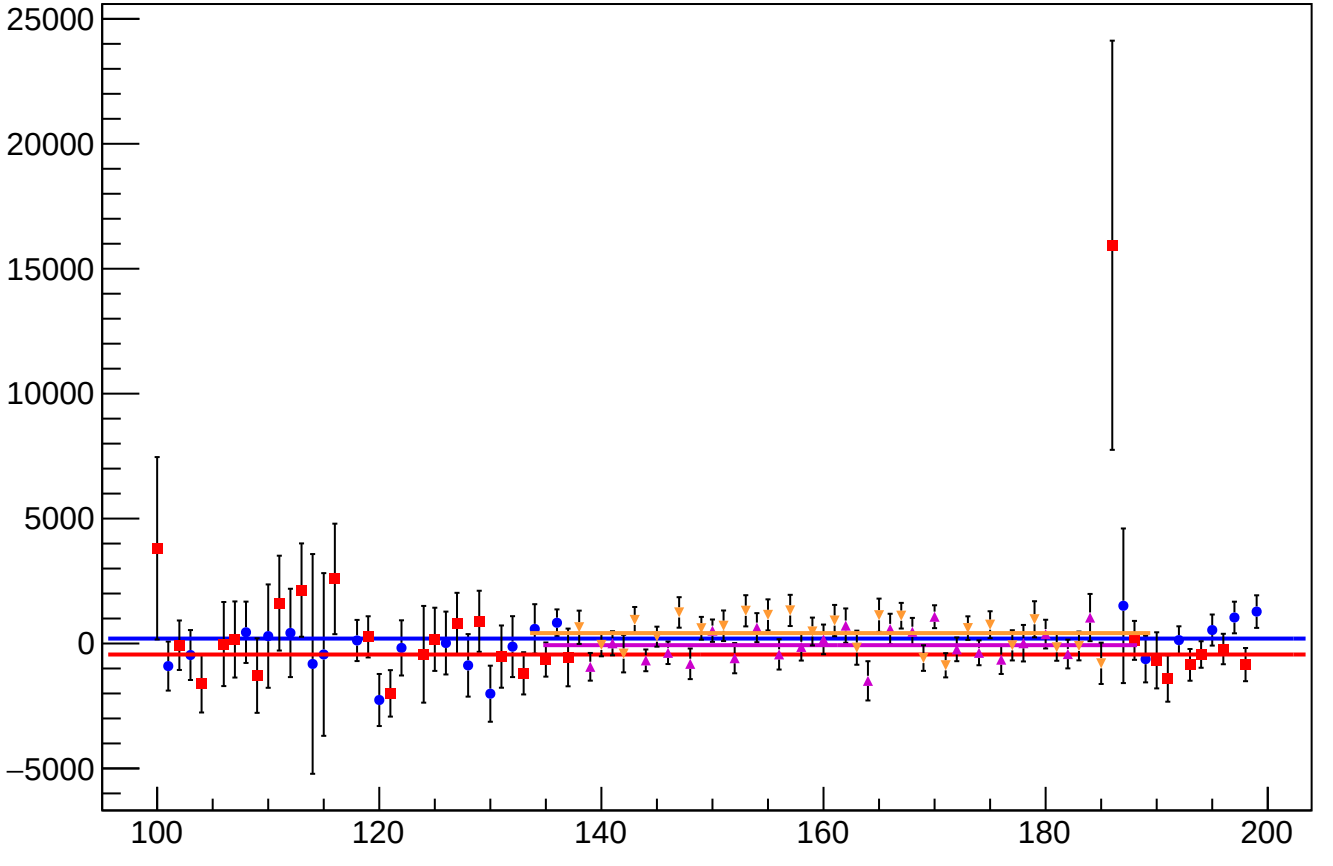
Right: 94.395+/-0.014 χ^2/NDF: 2072443.6/48

In: 89.390+/-0.012 χ^2/NDF:1484749.2/44

Out: 89.957+/-0.011 χ^2/NDF:1980156.9/51

All: 89.681+/-0.008 χ^2/NDF: 3466105.1/96

asym_sam_26_48_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: 197.235+/-196.832 χ^2/NDF: 19.6/21

Left Out: 416.416+/-112.336 χ^2/NDF:32.4/24

Right Out: -440.649+/-188.165 χ^2/NDF: 21.4/26

Left In: -66.674+/-115.419 χ^2/NDF:27.5/22

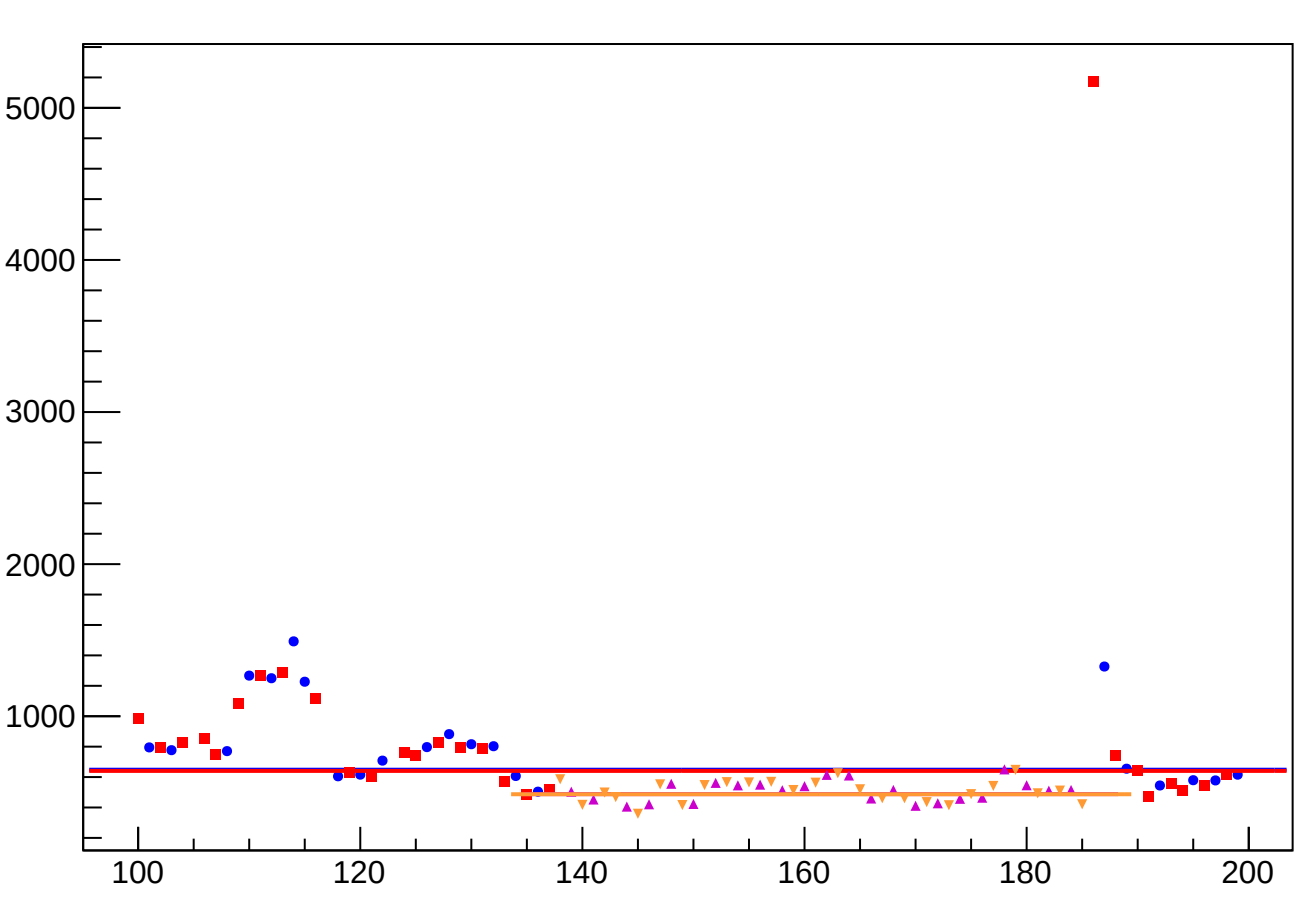
Left: 181.409+/-80.501 χ^2/NDF: 68.9/47

Right: -136.060+/-136.013 χ^2/NDF: 46.5/48

In: 0.851+/-99.564 χ^2/NDF:48.4/44

Out: 191.210+/-96.454 χ^2/NDF:69.1/51

All: 99.050+/-69.277 χ^2/NDF: 119.4/96



Right In: 648.271+/-0.139 χ^2/NDF: 1202253.8/21

Left Out: 487.081+/-0.079 χ^2/NDF:821261.6/24

Right Out: 640.587+/-0.133 χ^2/NDF: 2080790.7/26

Left In: 487.930+/-0.082 χ^2/NDF:634273.3/22

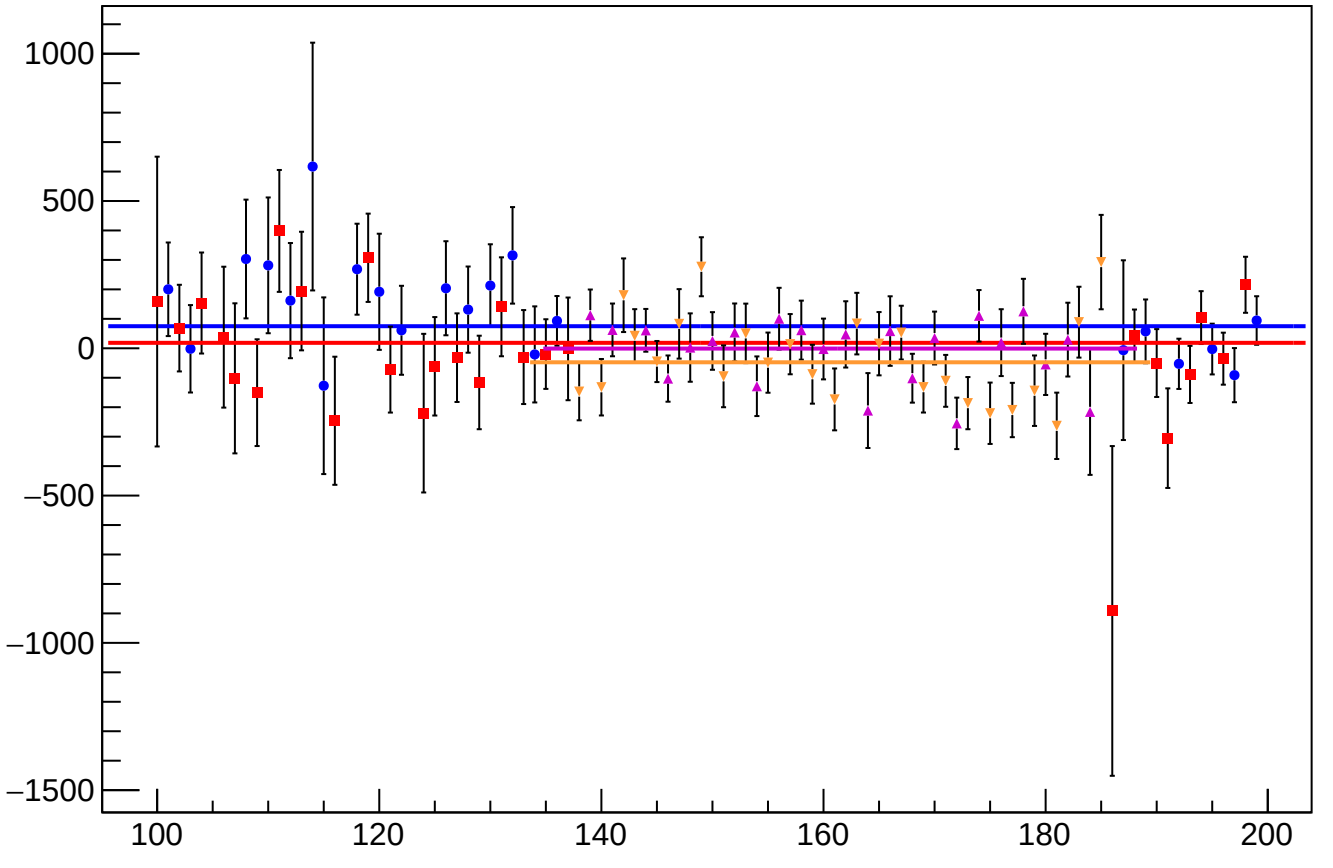
Left: 487.494+/-0.057 χ^2/NDF: 1455590.6/47

Right: 644.256+/-0.096 χ^2/NDF: 3284637.3/48

In: 528.956+/-0.070 χ^2/NDF:2824124.3/44

Out: 527.417+/-0.068 χ^2/NDF:3883369.8/51

All: 528.162+/-0.049 χ^2/NDF: 6707740.7/96



Right In: 74.974+/-28.073 χ^2/NDF: 18.0/21

Left Out: -47.532+/-19.983 χ^2/NDF:44.0/24

Right Out: 18.523+/-27.428 χ^2/NDF: 27.8/26

Left In: -0.988+/-20.604 χ^2/NDF:25.5/22

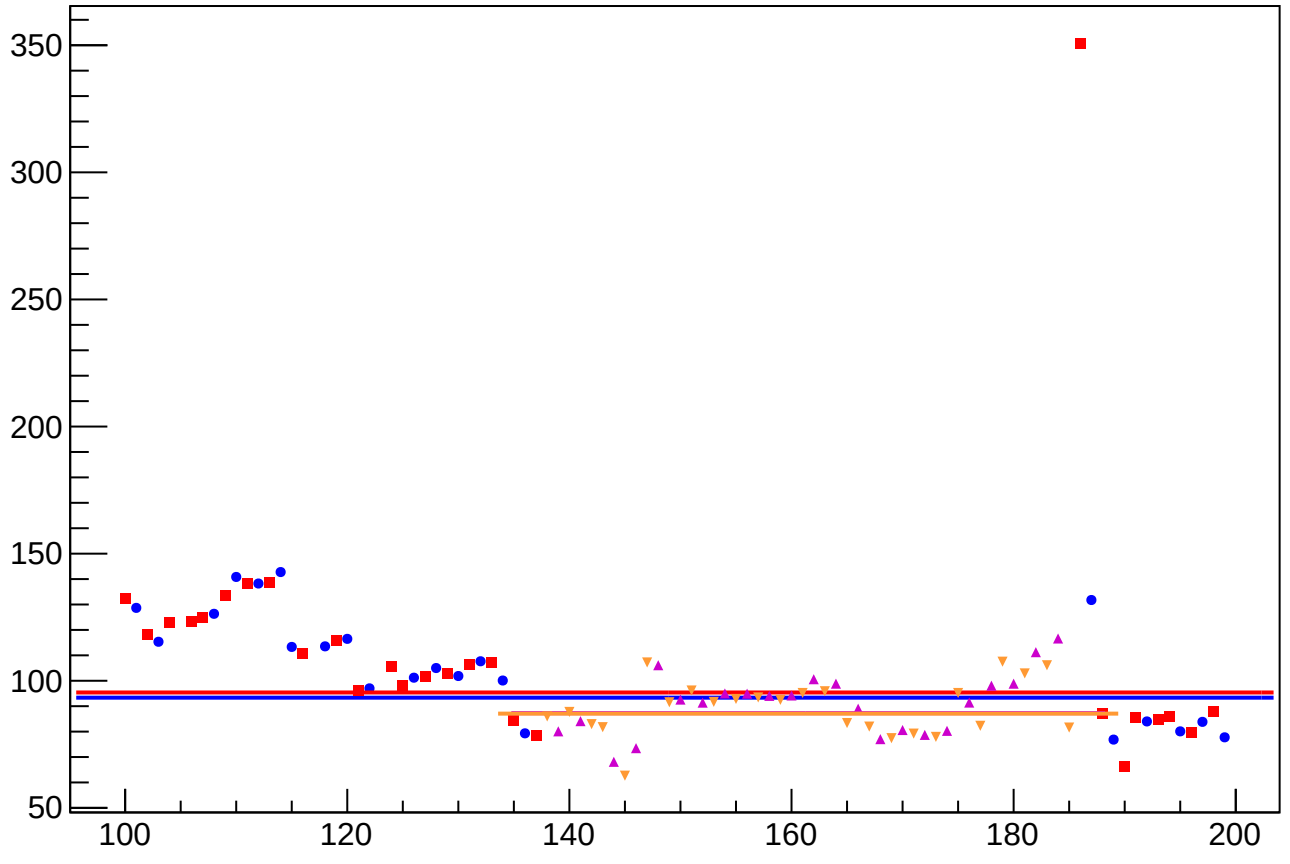
Left: -24.971+/-14.345 χ^2/NDF: 72.1/47

Right: 46.093+/-19.618 χ^2/NDF: 47.8/48

In: 25.605+/-16.610 χ^2/NDF:48.2/44

Out: -24.627+/-16.151 χ^2/NDF:75.5/51

All: -0.215+/-11.579 χ^2/NDF: 128.4/96



Right In: 93.349+/-0.020 χ^2/NDF: 827727.2/21

Left Out: 87.072+/-0.014 χ^2/NDF:620626.5/24

Right Out: 95.392+/-0.019 χ^2/NDF: 1239298.6/26

Left In: 87.257+/-0.015 χ^2/NDF:595793.1/22

Left: 87.161+/-0.010 χ^2/NDF: 1216502.6/47

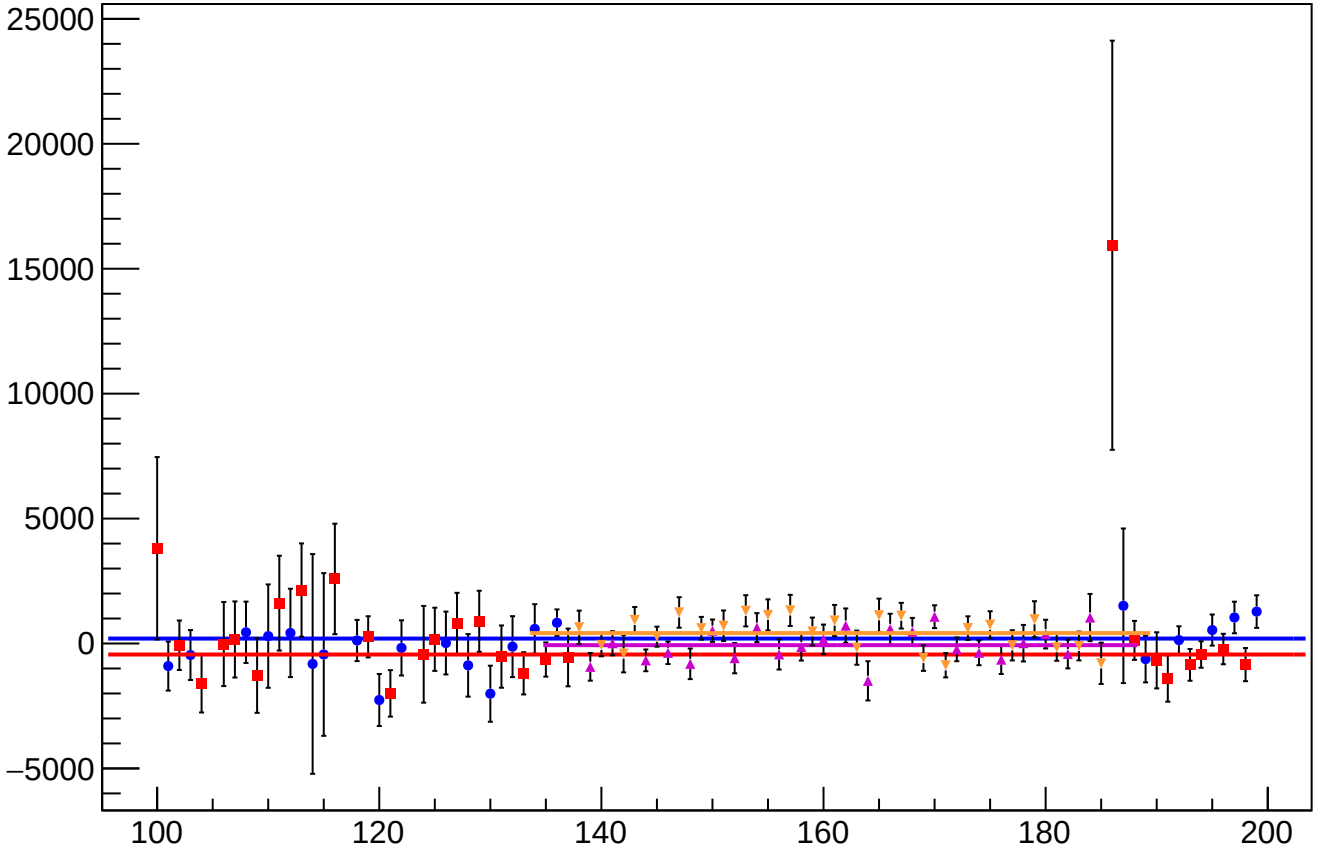
Right: 94.395+/-0.014 χ^2/NDF: 2072443.6/48

In: 89.390+/-0.012 χ^2/NDF:1484749.2/44

Out: 89.957+/-0.011 χ^2/NDF:1980156.9/51

All: 89.681+/-0.008 χ^2/NDF: 3466105.1/96

asym_sam_26_48_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 197.235+/-196.832 χ^2/NDF: 19.6/21

Left Out: 416.416+/-112.336 χ^2/NDF:32.4/24

Right Out: -440.649+/-188.165 χ^2/NDF: 21.4/26

Left In: -66.674+/-115.419 χ^2/NDF:27.5/22

Left: 181.409+/-80.501 χ^2/NDF: 68.9/47

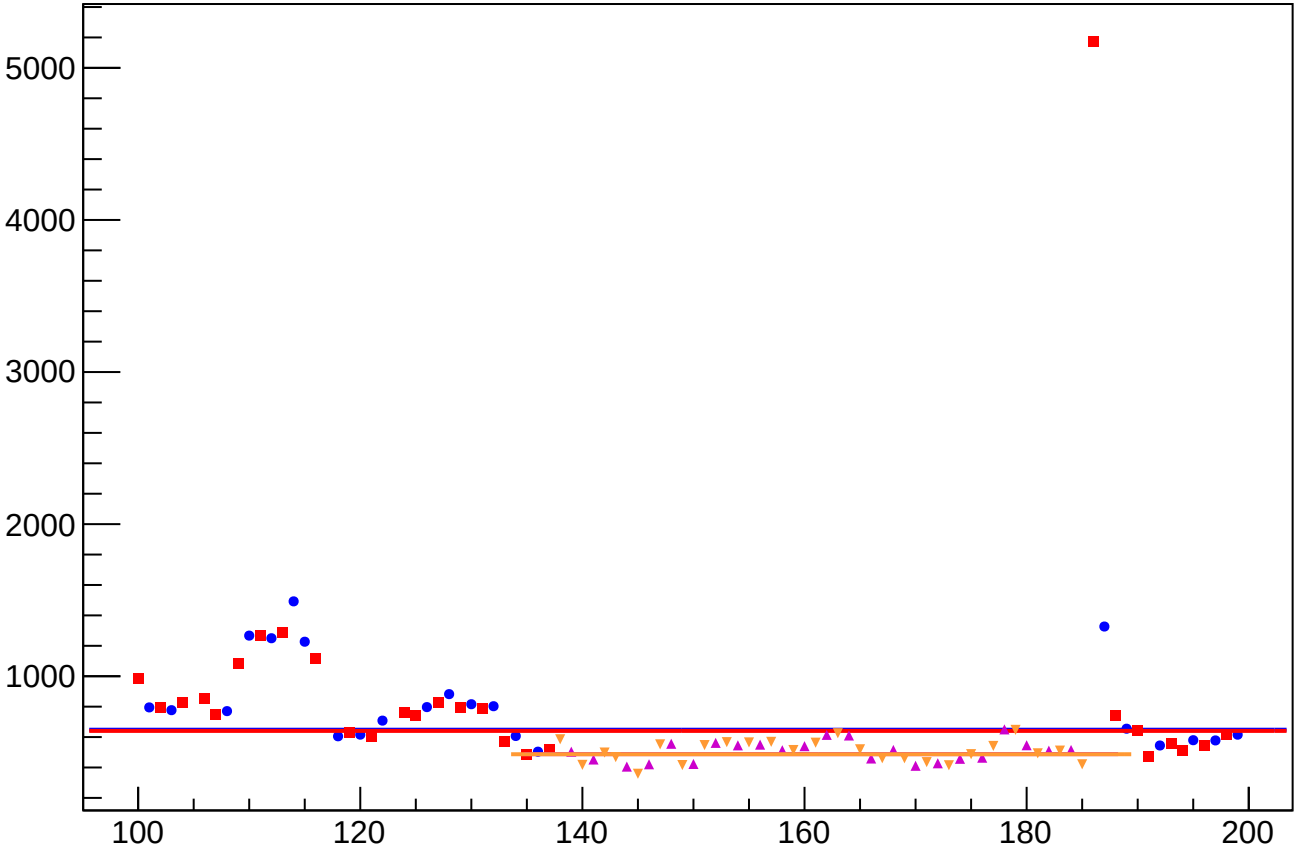
Right: -136.060+/-136.013 χ^2/NDF: 46.5/48

In: 0.851+/-99.564 χ^2/NDF:48.4/44

Out: 191.210+/-96.454 χ^2/NDF:69.1/51

All: 99.050+/-69.277 χ^2/NDF: 119.4/96

asym_sam_26_48_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 648.271+/-0.139 χ^2/NDF: 1202253.8/21

Left Out: 487.081+/-0.079 χ^2/NDF:821261.6/24

Right Out: 640.587+/-0.133 χ^2/NDF: 2080790.7/26

Left In: 487.930+/-0.082 χ^2/NDF:634273.3/22

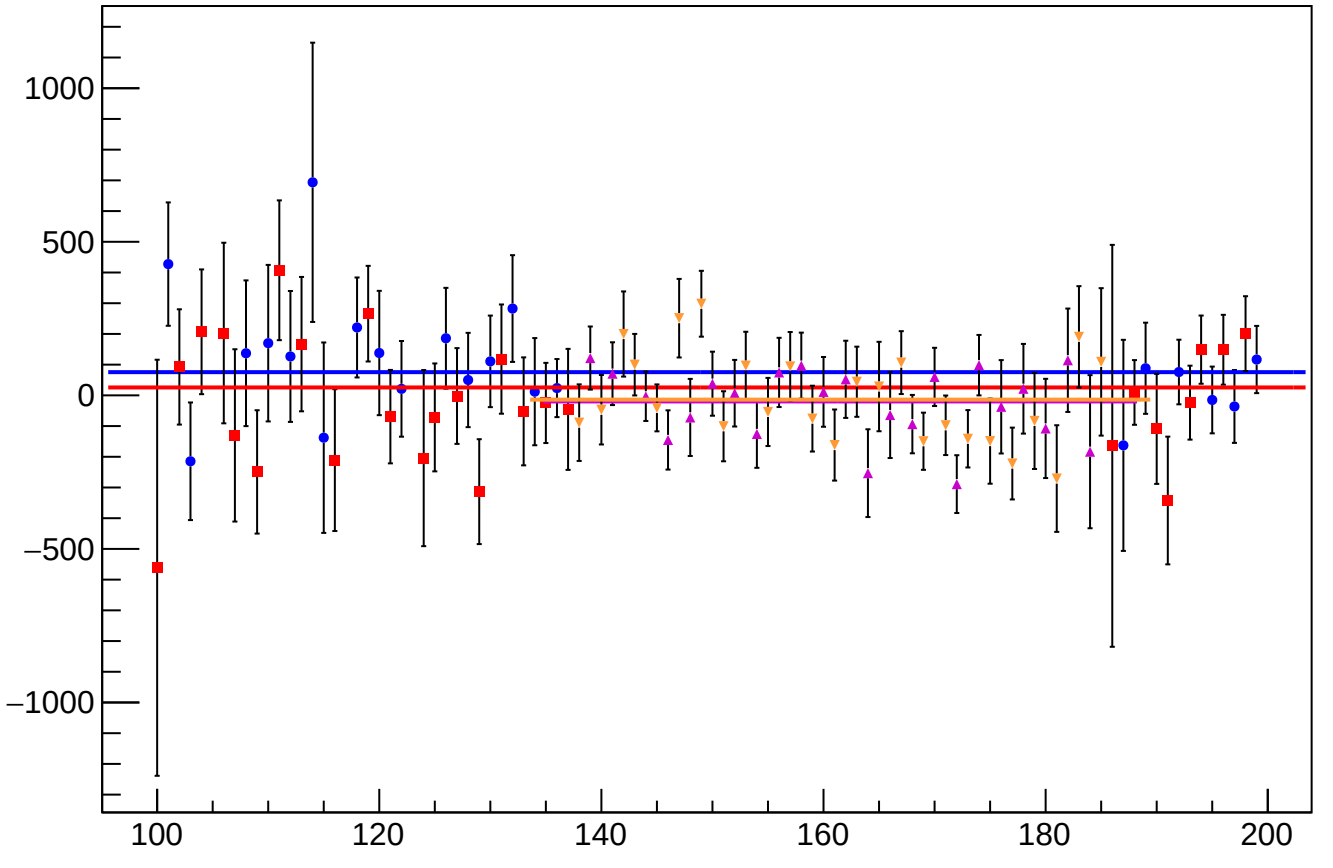
Left: 487.494+/-0.057 χ^2/NDF: 1455590.6/47

Right: 644.256+/-0.096 χ^2/NDF: 3284637.3/48

In: 528.956+/-0.070 χ^2/NDF:2824124.3/44

Out: 527.417+/-0.068 χ^2/NDF:3883369.8/51

All: 528.162+/-0.049 χ^2/NDF: 6707740.7/96



Right In: 75.551+/-33.117 χ^2/NDF: 13.6/21

Left Out: -13.904+/-22.916 χ^2/NDF:36.4/24

Right Out: 25.723+/-32.323 χ^2/NDF: 25.4/26

Left In: -19.805+/-23.571 χ^2/NDF:23.3/22

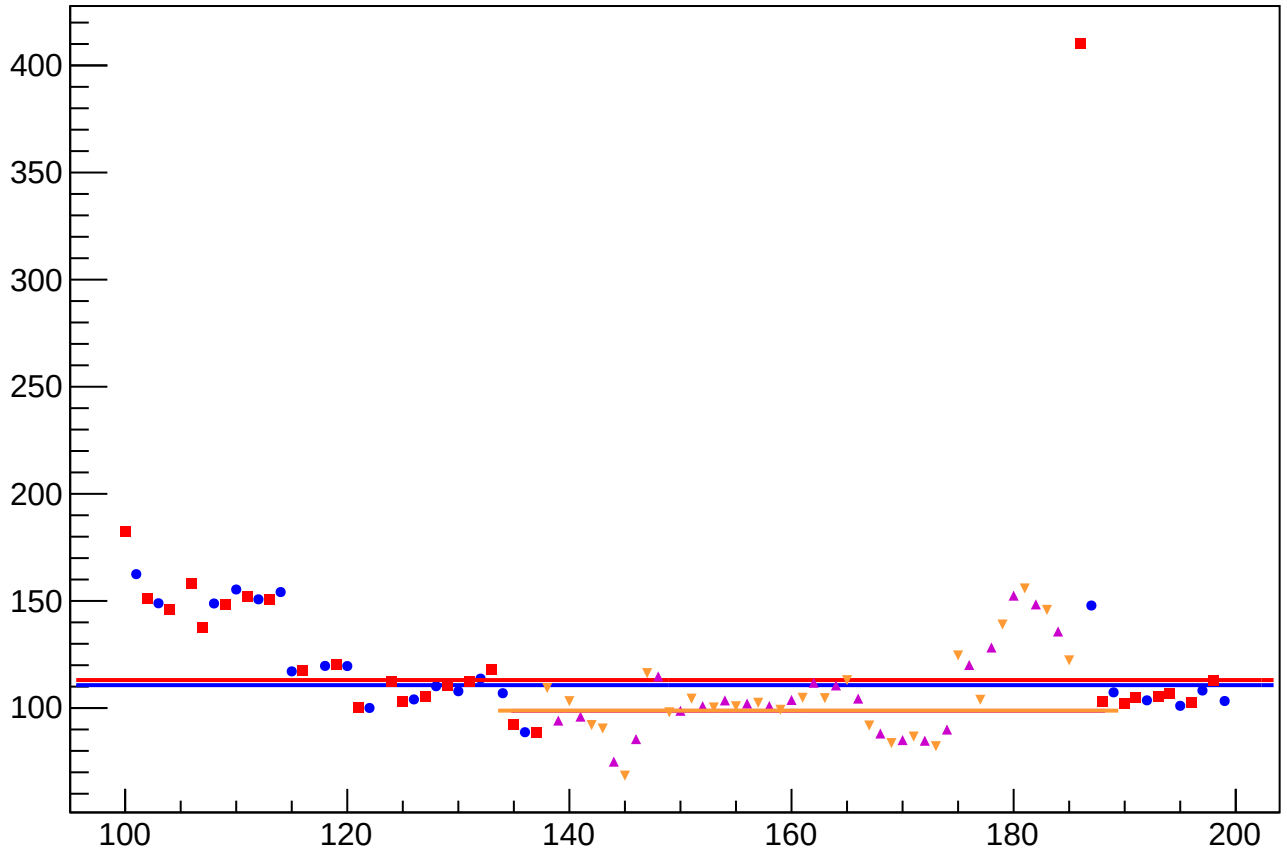
Left: -16.771+/-16.431 χ^2/NDF: 59.7/47

Right: 50.033+/-23.131 χ^2/NDF: 40.1/48

In: 12.259+/-19.204 χ^2/NDF:42.4/44

Out: -0.648+/-18.694 χ^2/NDF:62.8/51

All: 5.632+/-13.395 χ^2/NDF: 105.4/96



Right In: 110.694+/-0.023 χ^2/NDF: 607874.3/21

Left Out: 98.799+/-0.016 χ^2/NDF:1185806.0/24

Right Out: 113.072+/-0.023 χ^2/NDF: 984832.5/26

Left In: 98.673+/-0.017 χ^2/NDF:987817.0/22

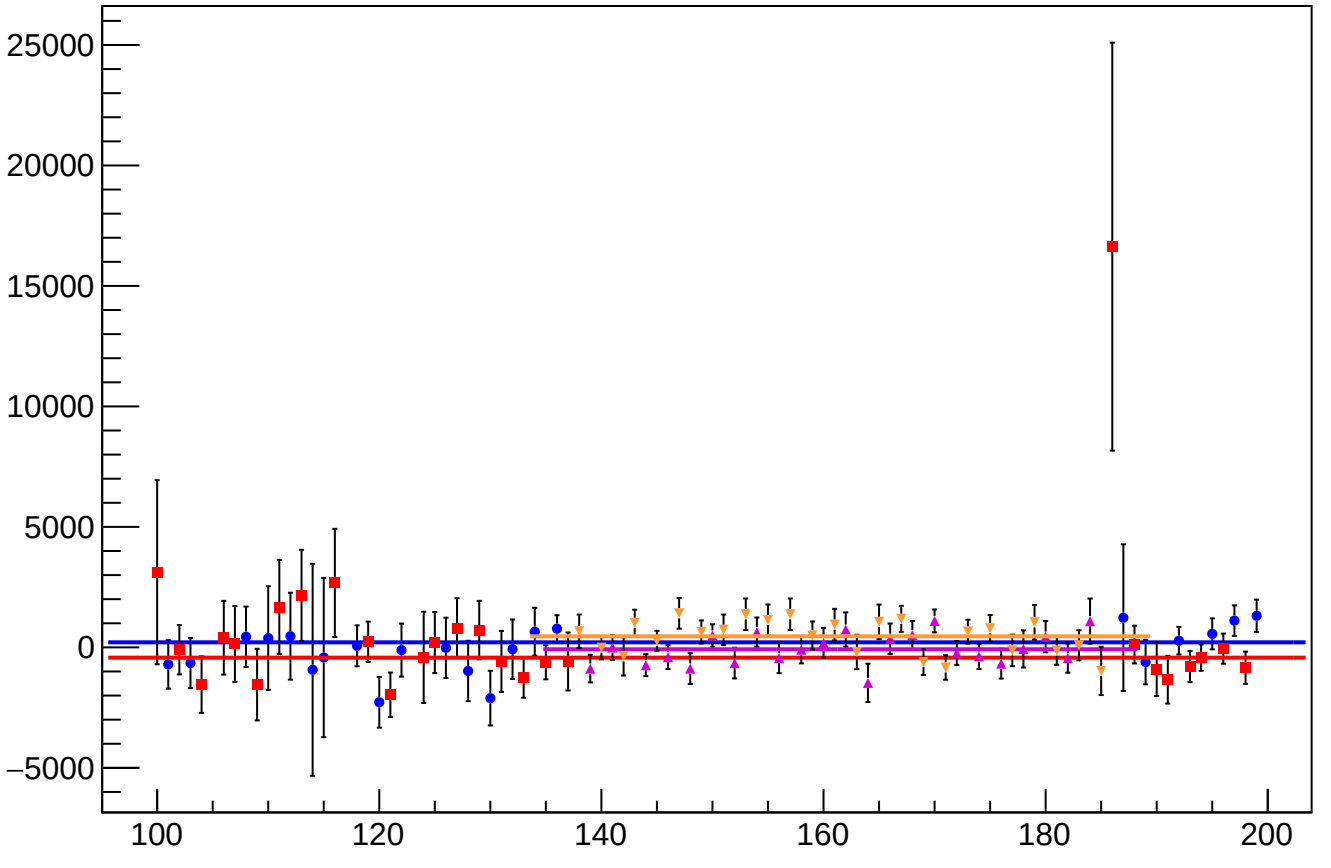
Left: 98.738+/-0.012 χ^2/NDF: 2173652.3/47

Right: 111.912+/-0.016 χ^2/NDF: 1597989.6/48

In: 102.715+/-0.014 χ^2/NDF:1770600.6/44

Out: 103.573+/-0.013 χ^2/NDF:2430185.7/51

All: 103.156+/-0.009 χ^2/NDF: 4202838.3/96



Right In: 209.599+/-201.131 χ^2/NDF: 19.7/21

Left Out: 459.094+/-118.111 χ^2/NDF:30.8/24

Right Out: -426.719+/-191.181 χ^2/NDF: 21.0/26

Left In: -78.791+/-121.436 χ^2/NDF:26.2/22

Left: 197.616+/-84.668 χ^2/NDF: 67.1/47

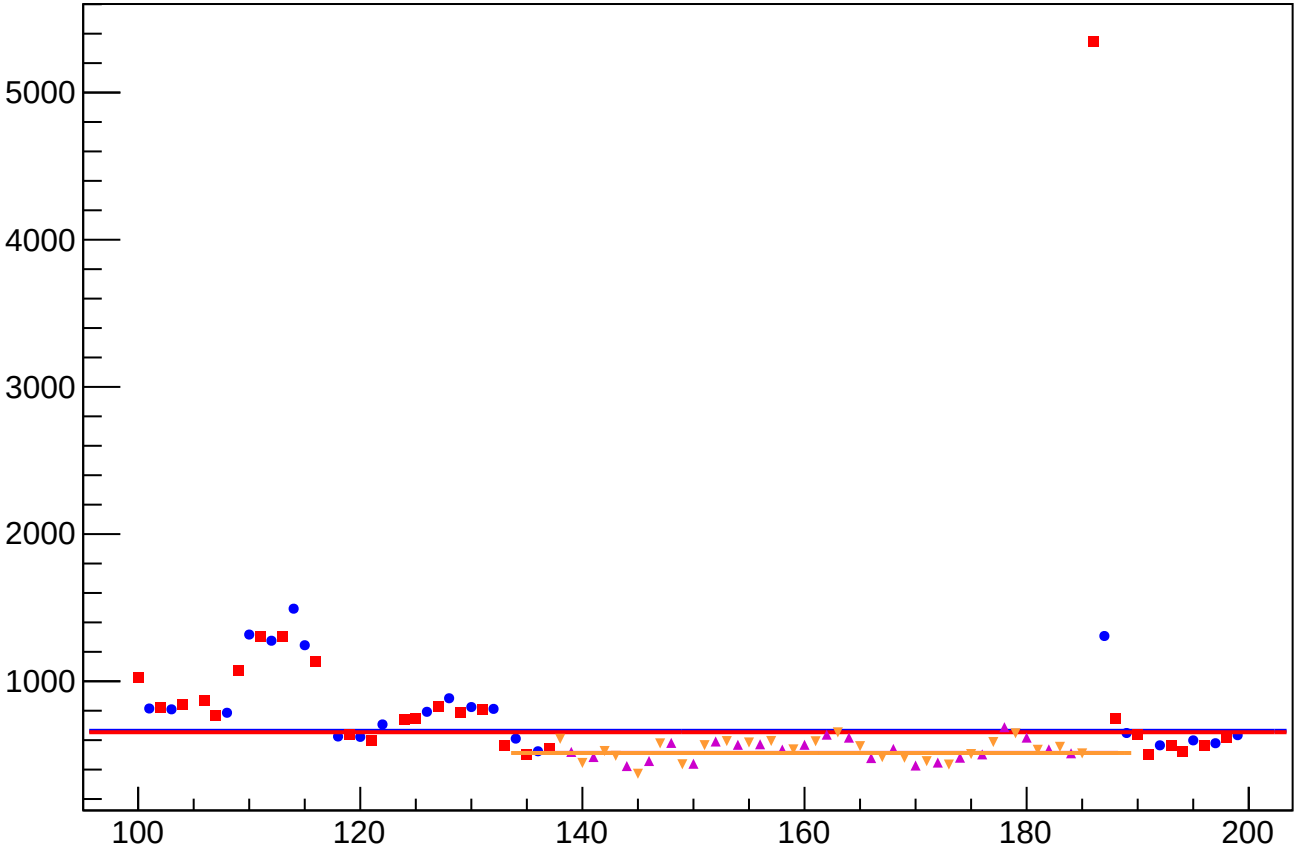
Right: -124.689+/-138.569 χ^2/NDF: 46.0/48

In: -1.747+/-103.958 χ^2/NDF:47.4/44

Out: 214.395+/-100.482 χ^2/NDF:67.4/51

All: 109.997+/-72.249 χ^2/NDF: 117.0/96

asym_sam_26_48_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 663.370+/-0.142 χ^2/NDF: 1154887.2/21

Left Out: 512.768+/-0.084 χ^2/NDF:799239.4/24

Right Out: 653.798+/-0.135 χ^2/NDF: 2026726.8/26

Left In: 513.375+/-0.086 χ^2/NDF:634000.2/22

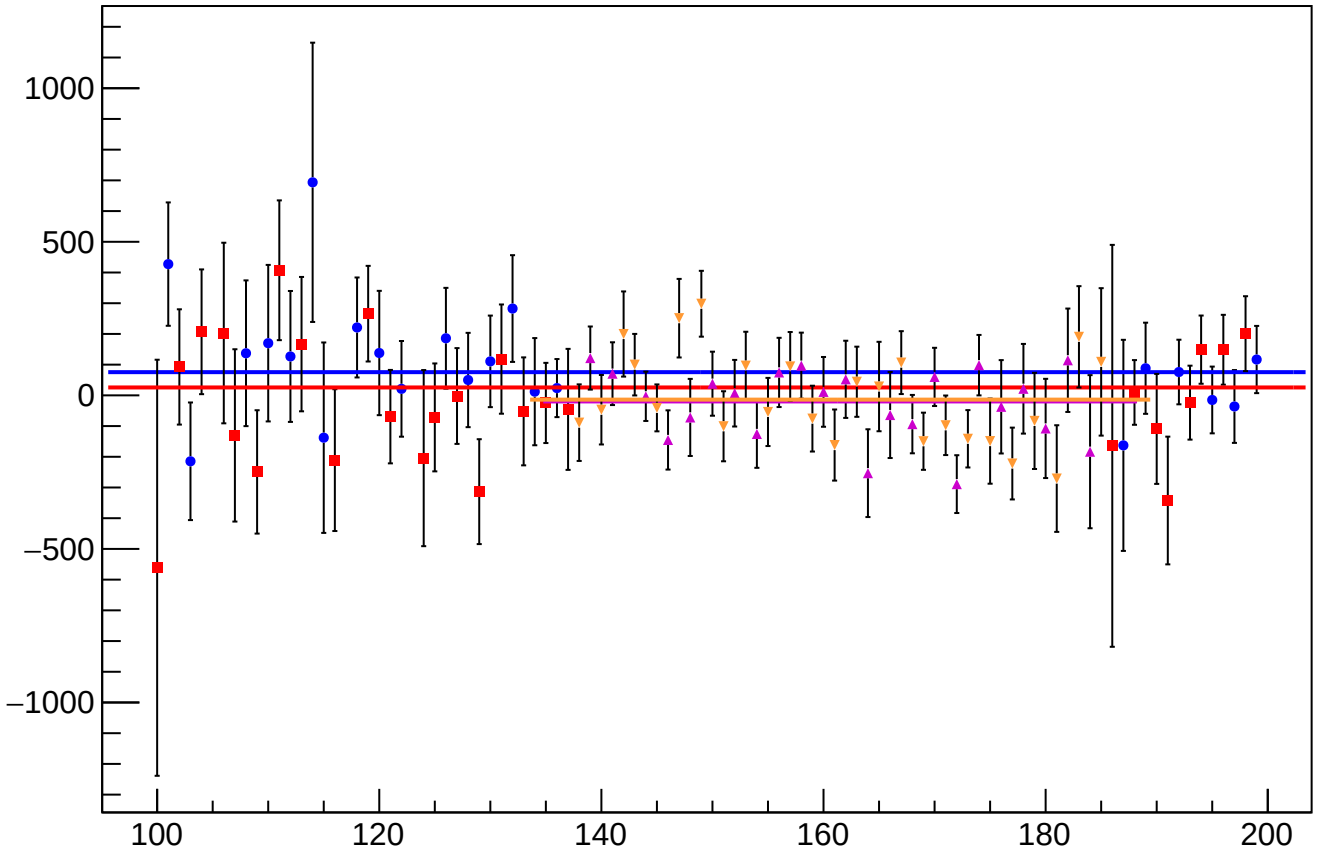
Left: 513.063+/-0.060 χ^2/NDF: 1433265.3/47

Right: 658.342+/-0.098 χ^2/NDF: 3183993.8/48

In: 553.446+/-0.074 χ^2/NDF:2604051.9/44

Out: 551.727+/-0.071 χ^2/NDF:3613661.3/51

All: 552.557+/-0.051 χ^2/NDF: 6217996.1/96



Right In: 75.550+/-33.117 χ^2/NDF: 13.6/21

Left Out: -13.906+/-22.916 χ^2/NDF:36.4/24

Right Out: 25.724+/-32.323 χ^2/NDF: 25.4/26

Left In: -19.805+/-23.571 χ^2/NDF:23.3/22

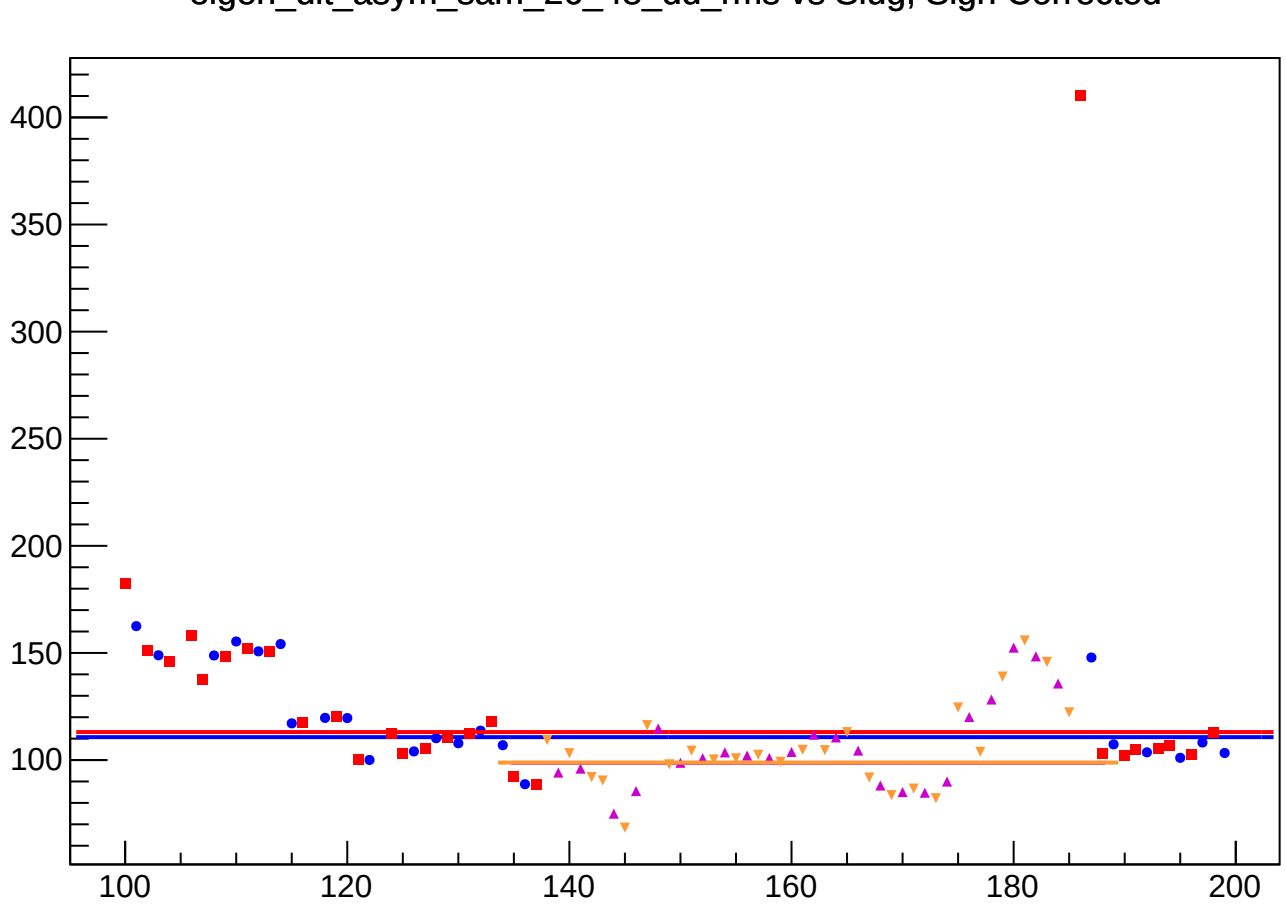
Left: -16.773+/-16.431 χ^2/NDF: 59.7/47

Right: 50.032+/-23.131 χ^2/NDF: 40.1/48

In: 12.258+/-19.204 χ^2/NDF:42.4/44

Out: -0.649+/-18.694 χ^2/NDF:62.8/51

All: 5.631+/-13.395 χ^2/NDF: 105.4/96



Right In: 110.694+/-0.023 χ^2/NDF: 607859.4/21

Left Out: 98.799+/-0.016 χ^2/NDF:1185809.9/24

Right Out: 113.072+/-0.023 χ^2/NDF: 984818.0/26

Left In: 98.673+/-0.017 χ^2/NDF:987808.4/22

Left: 98.737+/-0.012 χ^2/NDF: 2173647.6/47

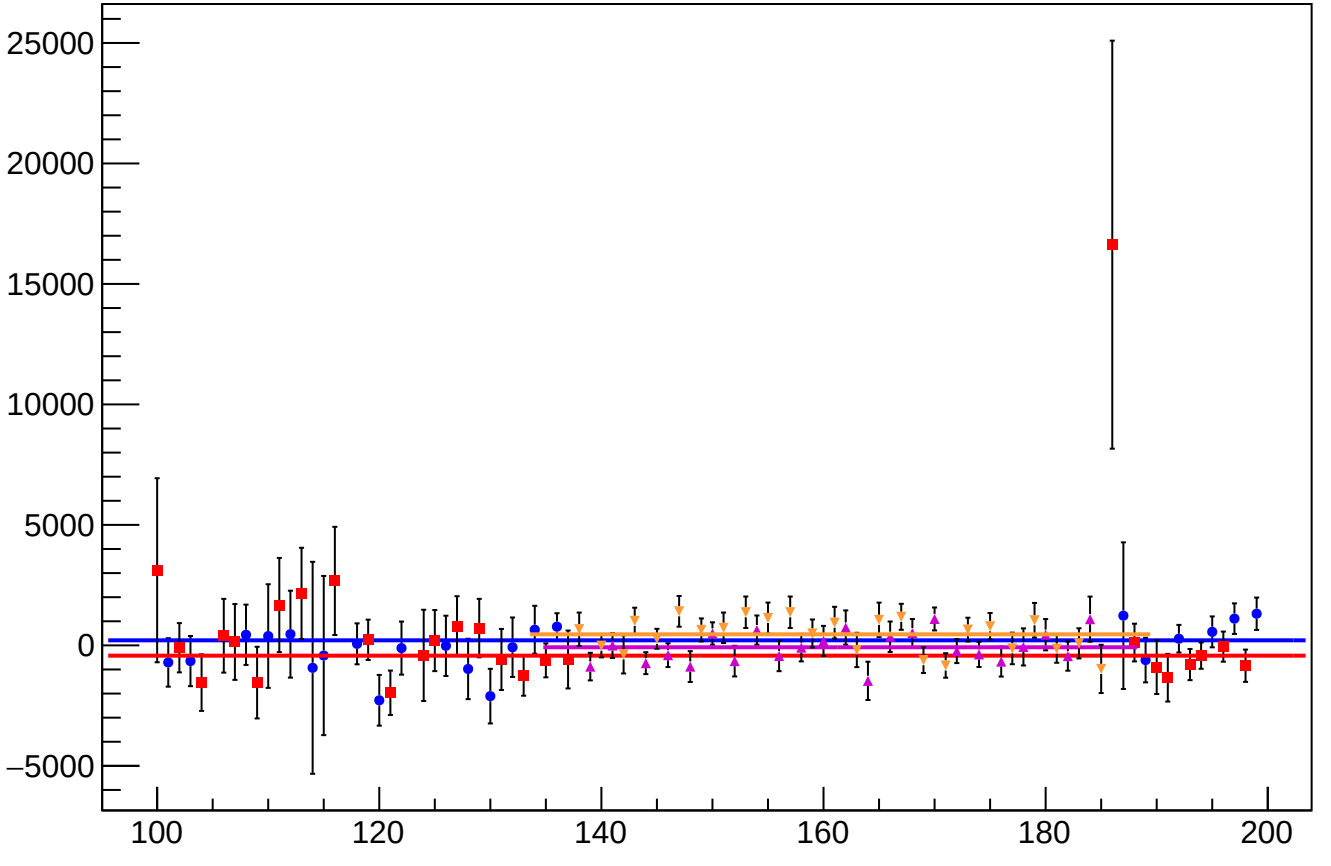
Right: 111.912+/-0.016 χ^2/NDF: 1597959.9/48

In: 102.715+/-0.014 χ^2/NDF:1770582.8/44

Out: 103.573+/-0.013 χ^2/NDF:2430180.7/51

All: 103.156+/-0.009 χ^2/NDF: 4202815.3/96

asym_sam_26_48_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 209.598+/-201.130 χ^2/NDF: 19.7/21

Left Out: 459.092+/-118.111 χ^2/NDF:30.8/24

Right Out: -426.718+/-191.180 χ^2/NDF: 21.0/26

Left In: -78.791+/-121.436 χ^2/NDF:26.2/22

Left: 197.616+/-84.668 χ^2/NDF: 67.1/47

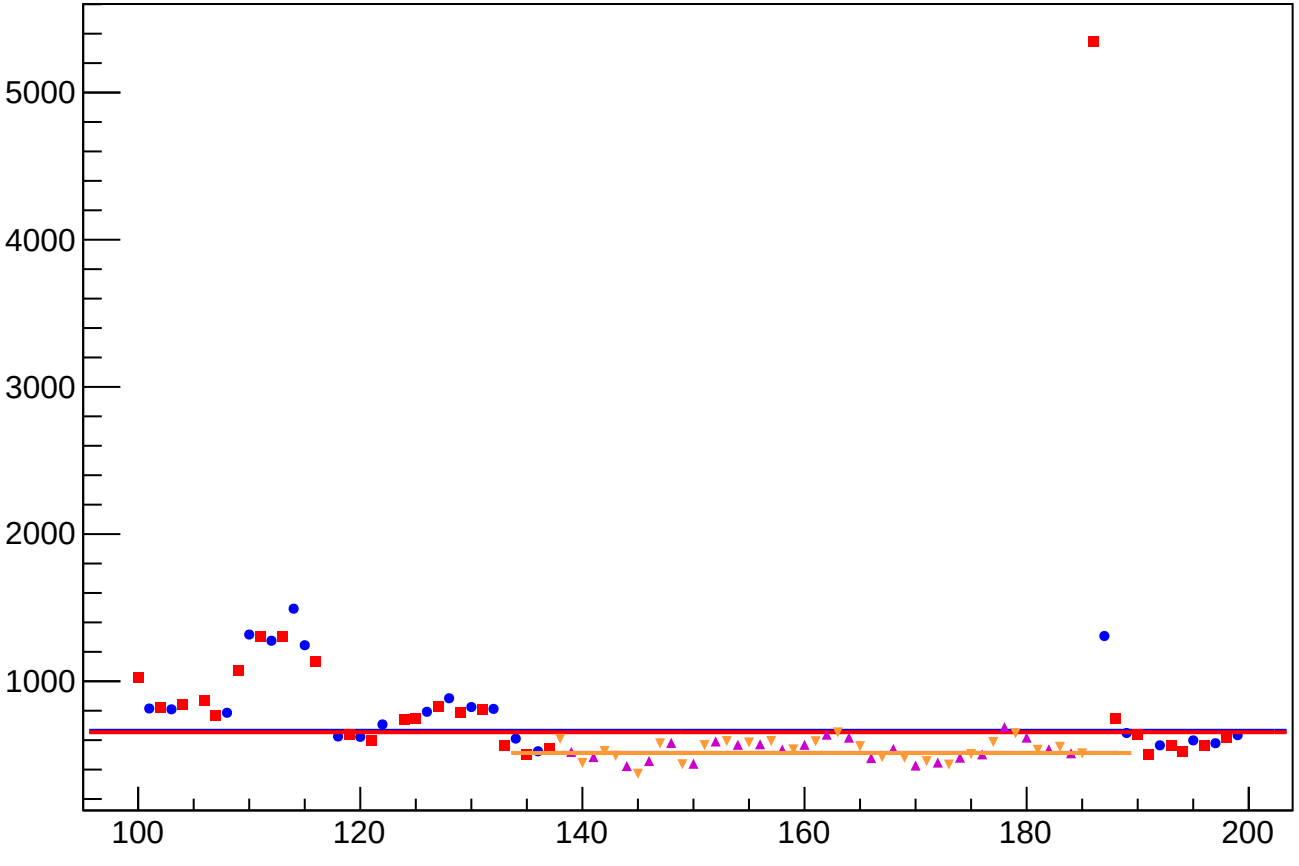
Right: -124.689+/-138.569 χ^2/NDF: 46.0/48

In: -1.747+/-103.958 χ^2/NDF:47.4/44

Out: 214.394+/-100.482 χ^2/NDF:67.4/51

All: 109.997+/-72.249 χ^2/NDF: 117.0/96

asym_sam_26_48_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 663.369+/-0.142 χ^2/NDF: 1154885.0/21

Left Out: 512.768+/-0.084 χ^2/NDF:799239.0/24

Right Out: 653.797+/-0.135 χ^2/NDF: 2026723.6/26

Left In: 513.374+/-0.086 χ^2/NDF:633997.9/22

Left: 513.063+/-0.060 χ^2/NDF: 1433262.5/47

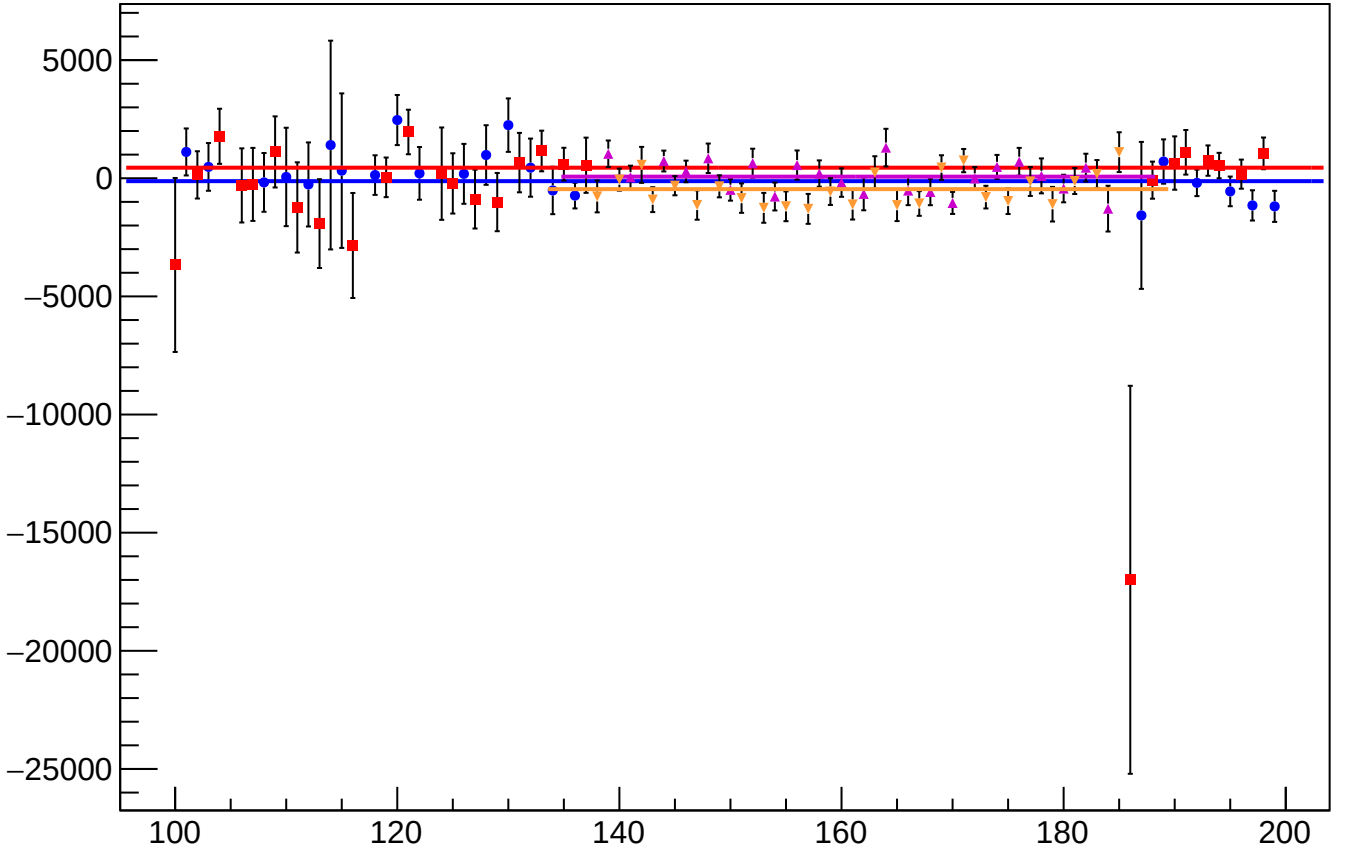
Right: 658.341+/-0.098 χ^2/NDF: 3183988.5/48

In: 553.446+/-0.074 χ^2/NDF:2604042.4/44

Out: 551.726+/-0.071 χ^2/NDF:3613649.9/51

All: 552.557+/-0.051 χ^2/NDF: 6217975.2/96

asym_sam_26_48_dd_mean vs Slug, Sign Corrected



Right In: -122.517+/-199.065 χ^2/NDF: 21.7/21

Left Out: -459.862+/-114.233 χ^2/NDF:30.8/24

Right Out: 447.188+/-190.225 χ^2/NDF: 21.0/26

Left In: 68.043+/-117.366 χ^2/NDF:28.6/22

Left: -203.051+/-81.860 χ^2/NDF: 69.8/47

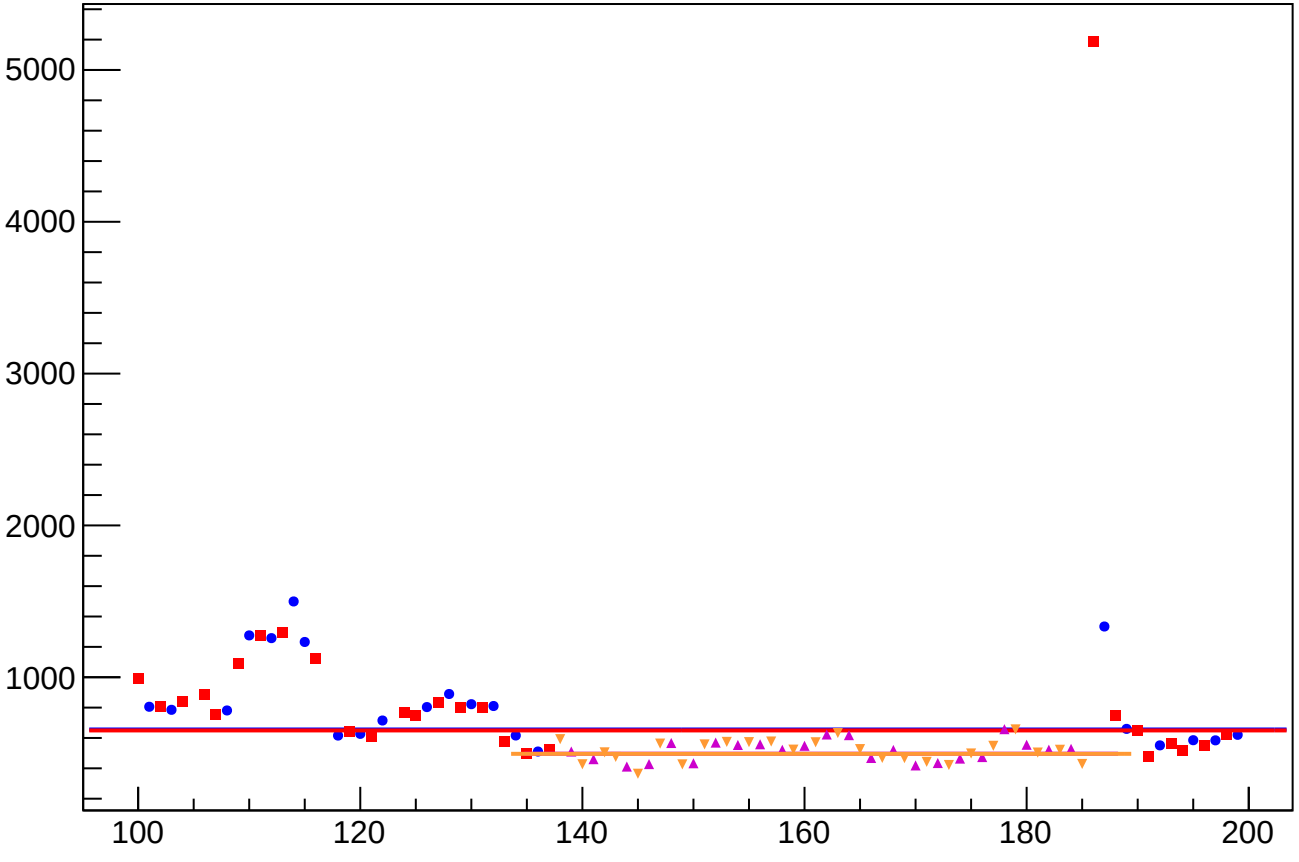
Right: 175.266+/-137.529 χ^2/NDF: 47.0/48

In: 18.889+/-101.102 χ^2/NDF:51.0/44

Out: -219.459+/-97.932 χ^2/NDF:68.5/51

All: -104.081+/-70.342 χ^2/NDF: 122.4/96

asym_sam_26_48_dd_rms vs Slug, Sign Corrected



Right In: 655.880+/-0.141 χ^2/NDF: 1188945.4/21

Left Out: 495.514+/-0.081 χ^2/NDF:804659.4/24

Right Out: 649.633+/-0.135 χ^2/NDF: 2070905.7/26

Left In: 496.307+/-0.083 χ^2/NDF:622356.2/22

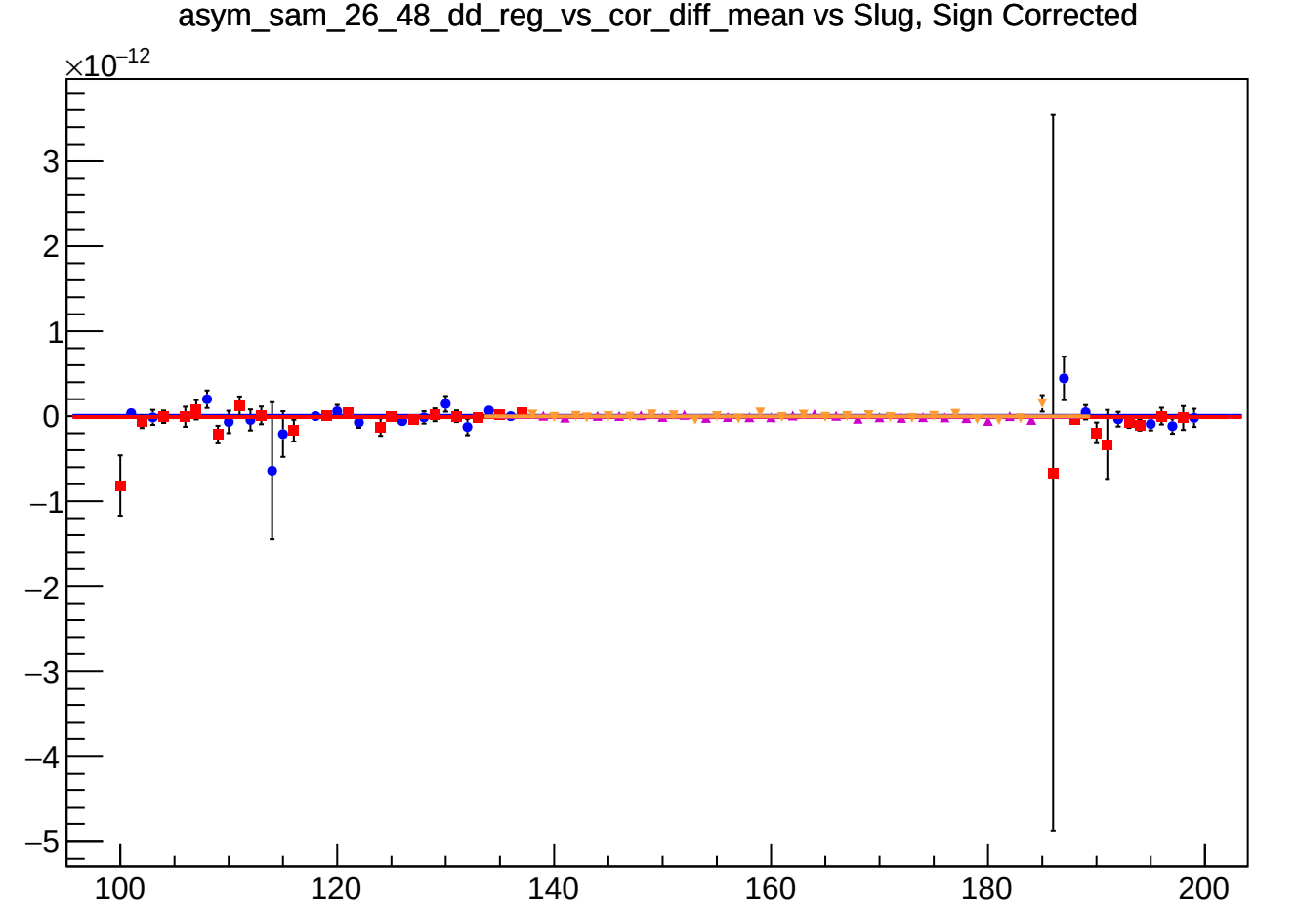
Left: 495.900+/-0.058 χ^2/NDF: 1427062.5/47

Right: 652.615+/-0.097 χ^2/NDF: 3260880.6/48

In: 537.468+/-0.071 χ^2/NDF:2764953.2/44

Out: 536.361+/-0.069 χ^2/NDF:3840434.5/51

All: 536.897+/-0.050 χ^2/NDF: 6605511.4/96



Right In: 0.000+/-0.000 χ^2/NDF: 24.3/21

Left Out: -0.000+/-0.000 χ^2/NDF:25.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 24.4/26

Left In: -0.000+/-0.000 χ^2/NDF:15.5/22

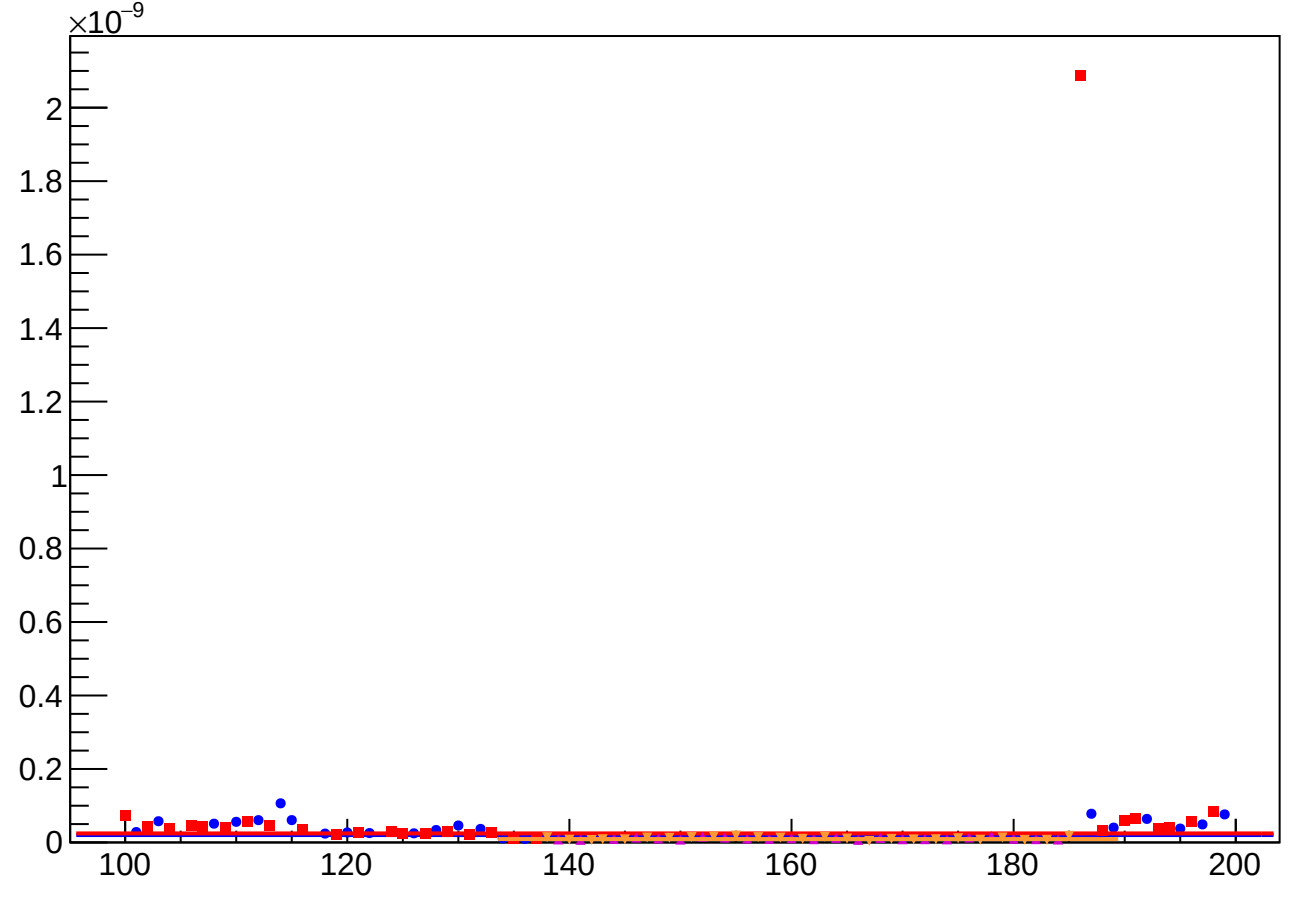
Left: -0.000+/-0.000 χ^2/NDF: 41.8/47

Right: -0.000+/-0.000 χ^2/NDF: 49.4/48

In: -0.000+/-0.000 χ^2/NDF:40.8/44

Out: -0.000+/-0.000 χ^2/NDF:49.9/51

All: -0.000+/-0.000 χ^2/NDF: 91.3/96



Right In: 0.000+/-0.000 χ^2/NDF: 4095485.8/21

Left Out: 0.000+/-0.000 χ^2/NDF:1832944.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3283636.3/26

Left In: 0.000+/-0.000 χ^2/NDF:622904.8/22

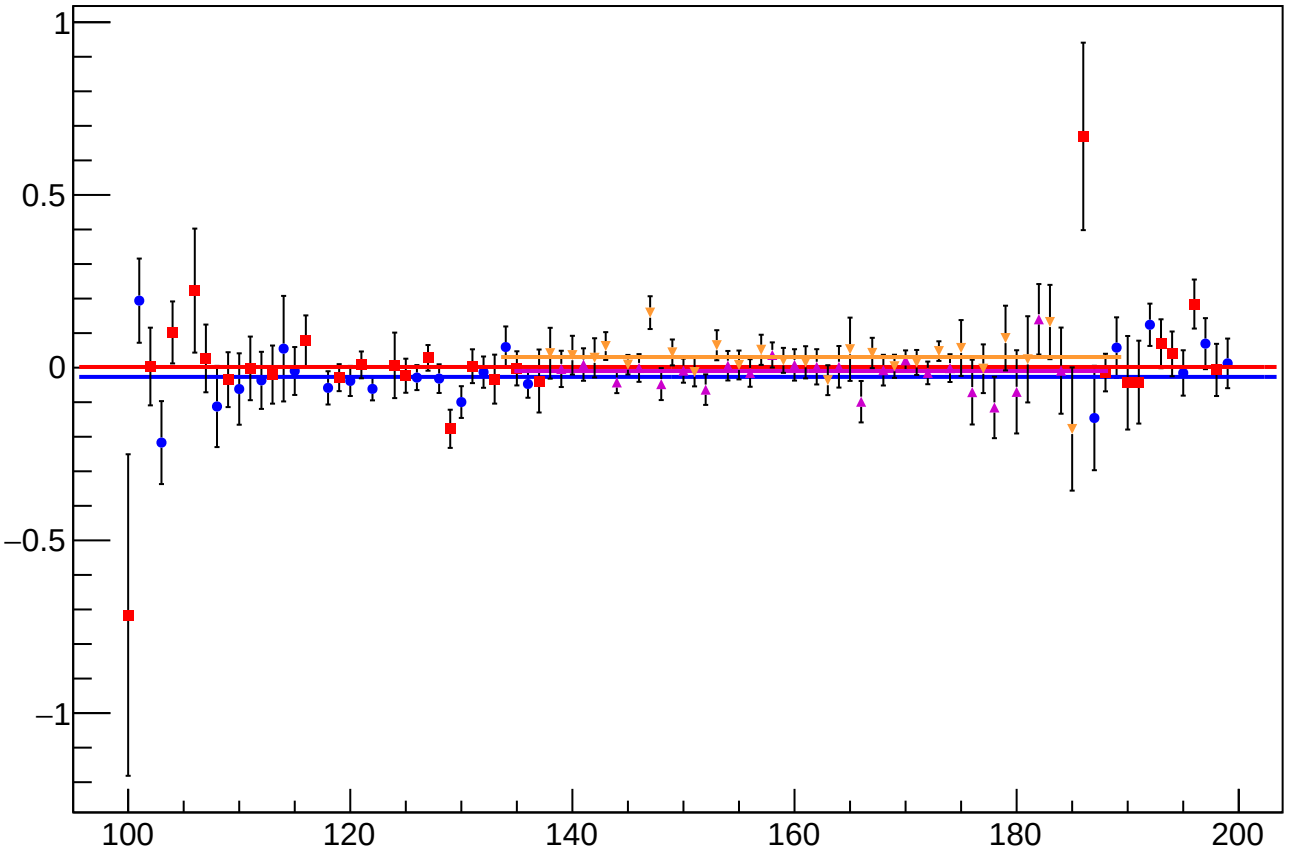
Left: 0.000+/-0.000 χ^2/NDF: 2476959.3/47

Right: 0.000+/-0.000 χ^2/NDF: 7524315.0/48

In: 0.000+/-0.000 χ^2/NDF:6294588.5/44

Out: 0.000+/-0.000 χ^2/NDF:7981606.5/51

All: 0.000+/-0.000 χ^2/NDF: 14292661.6/96



Right In: -0.027+/-0.012 χ^2/NDF: 23.0/21

Left Out: 0.031+/-0.009 χ^2/NDF:17.8/24

Right Out: 0.002+/-0.013 χ^2/NDF: 33.1/26

Left In: -0.010+/-0.009 χ^2/NDF:13.2/22

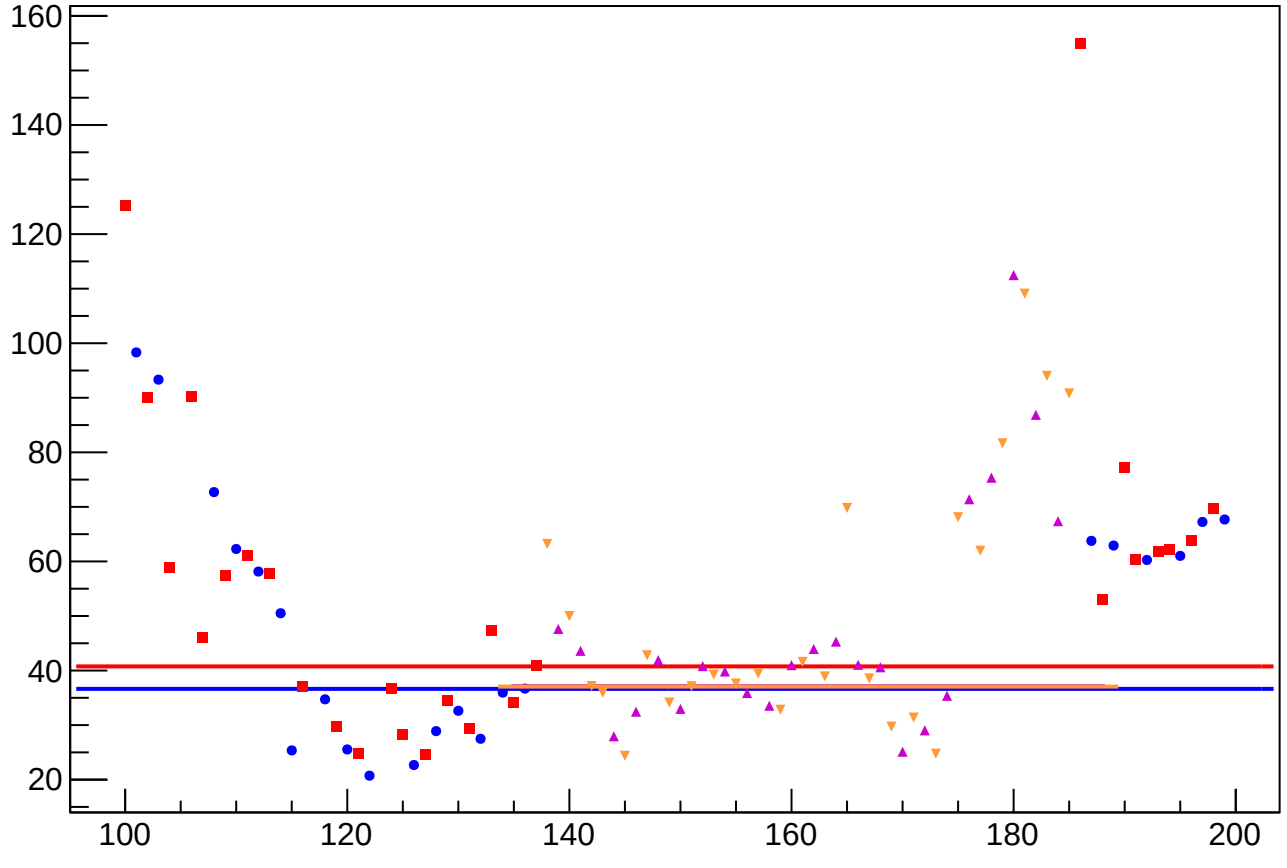
Left: 0.011+/-0.007 χ^2/NDF: 40.7/47

Right: -0.013+/-0.009 χ^2/NDF: 58.9/48

In: -0.016+/-0.007 χ^2/NDF:37.5/44

Out: 0.021+/-0.007 χ^2/NDF:54.4/51

All: 0.002+/-0.005 χ^2/NDF: 104.4/96



Right In: 36.640+/-0.009 χ^2/NDF: 4062689.1/21

Left Out: 37.057+/-0.006 χ^2/NDF:4053719.8/24

Right Out: 40.757+/-0.009 χ^2/NDF: 3713019.0/26

Left In: 37.127+/-0.007 χ^2/NDF:3012795.5/22

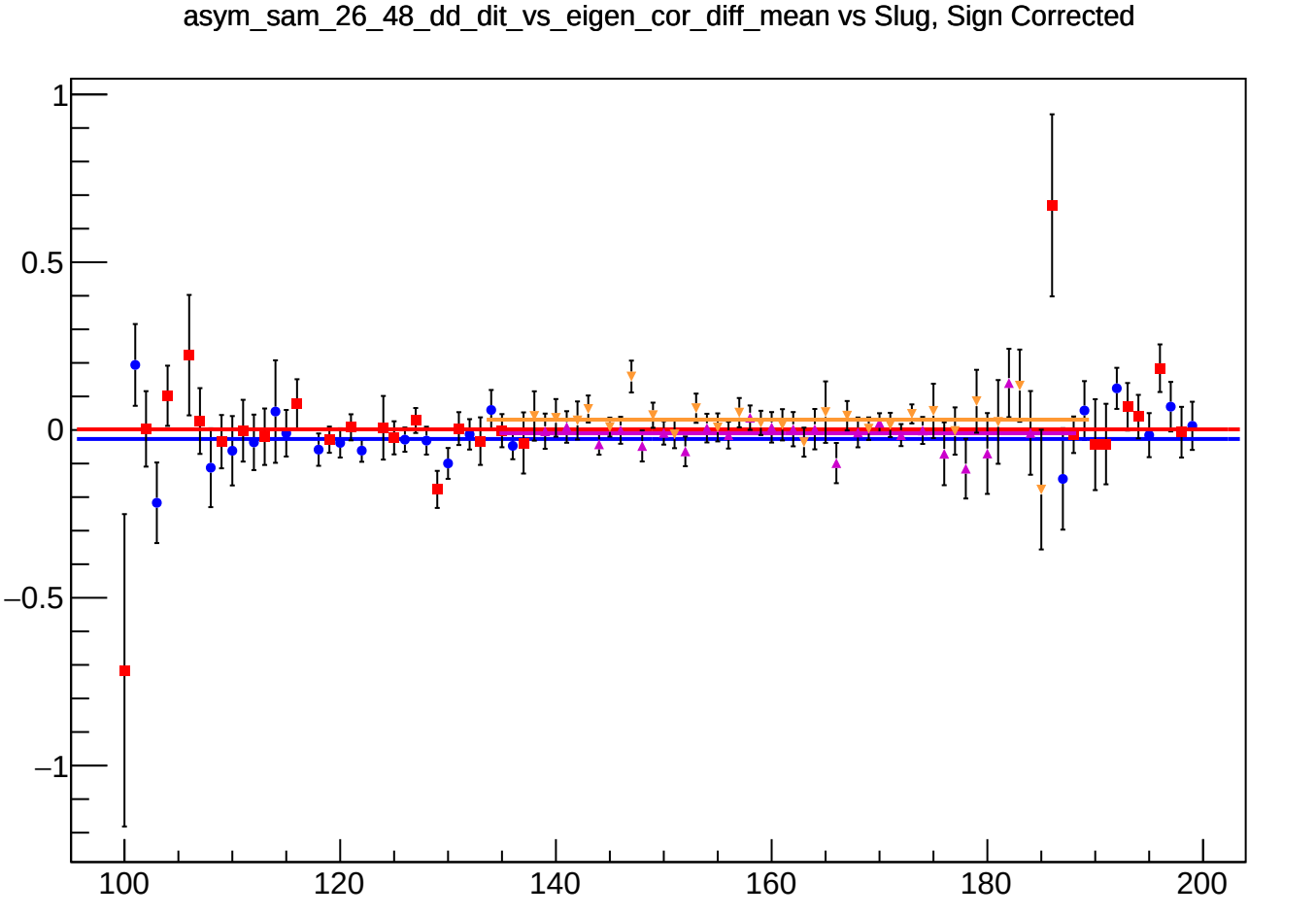
Left: 37.091+/-0.005 χ^2/NDF: 7066571.4/47

Right: 38.612+/-0.006 χ^2/NDF: 7886503.7/48

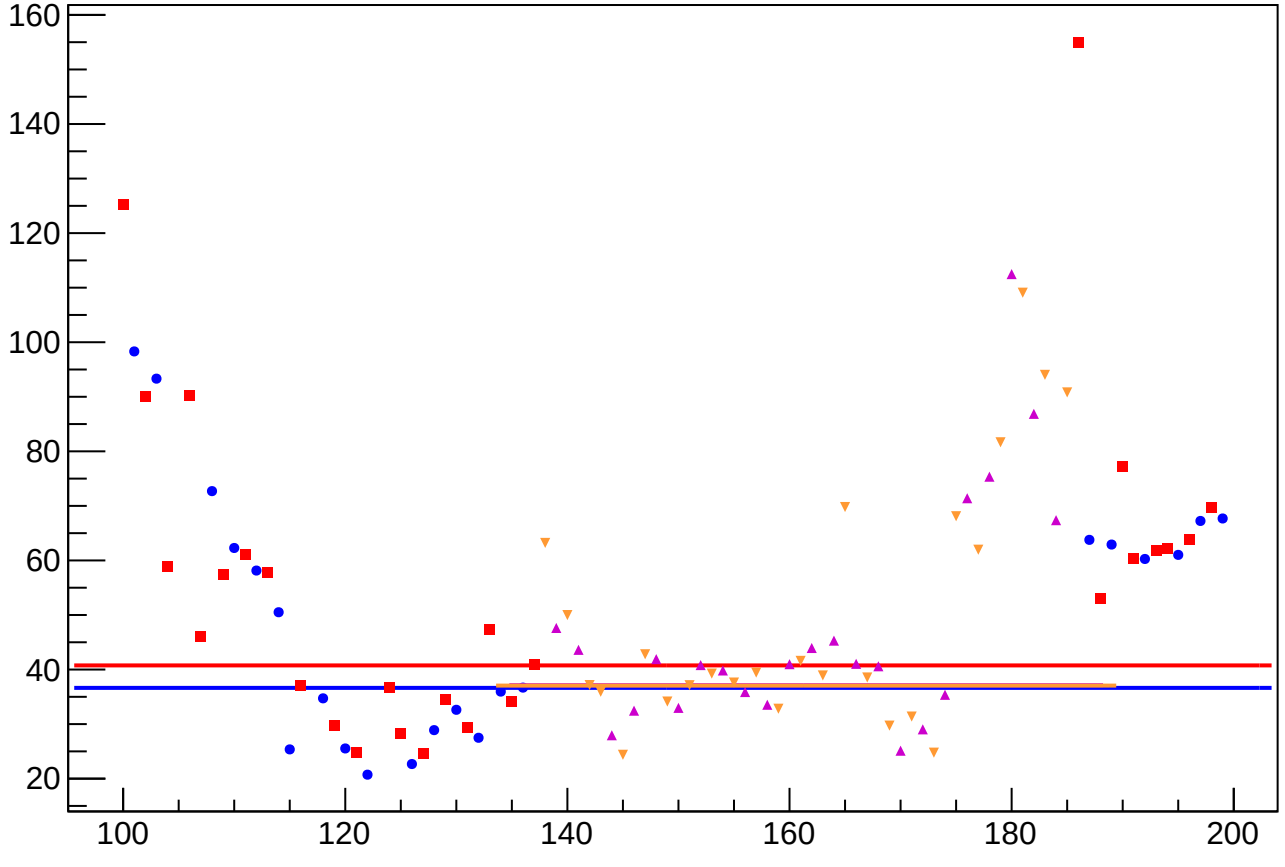
In: 36.944+/-0.005 χ^2/NDF:7077508.4/44

Out: 38.327+/-0.005 χ^2/NDF:7879511.3/51

All: 37.637+/-0.004 χ^2/NDF: 14991879.8/96


asym_sam_26_48_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
1
0.5
0
−0.5
−1
100
120
140
160
180
200
Right In: -0.027+/-0.012 χ²/NDF: 23.0/21
Left Out: 0.031+/-0.009 χ²/NDF:17.8/24
Right Out: 0.002+/-0.013 χ²/NDF: 33.1/26
Left In: -0.010+/-0.009 χ²/NDF:13.2/22
Left: 0.011+/-0.007 χ²/NDF: 40.7/47
Right: -0.013+/-0.009 χ²/NDF: 58.9/48
In: -0.016+/-0.007 χ²/NDF:37.5/44
Out: 0.021+/-0.007 χ²/NDF:54.4/51
All: 0.002+/-0.005 χ²/NDF: 104.4/96

asym_sam_26_48_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 36.640+/-0.009 χ^2/NDF: 4062689.1/21

Left Out: 37.057+/-0.006 χ^2/NDF:4053719.8/24

Right Out: 40.757+/-0.009 χ^2/NDF: 3713019.0/26

Left In: 37.127+/-0.007 χ^2/NDF:3012795.5/22

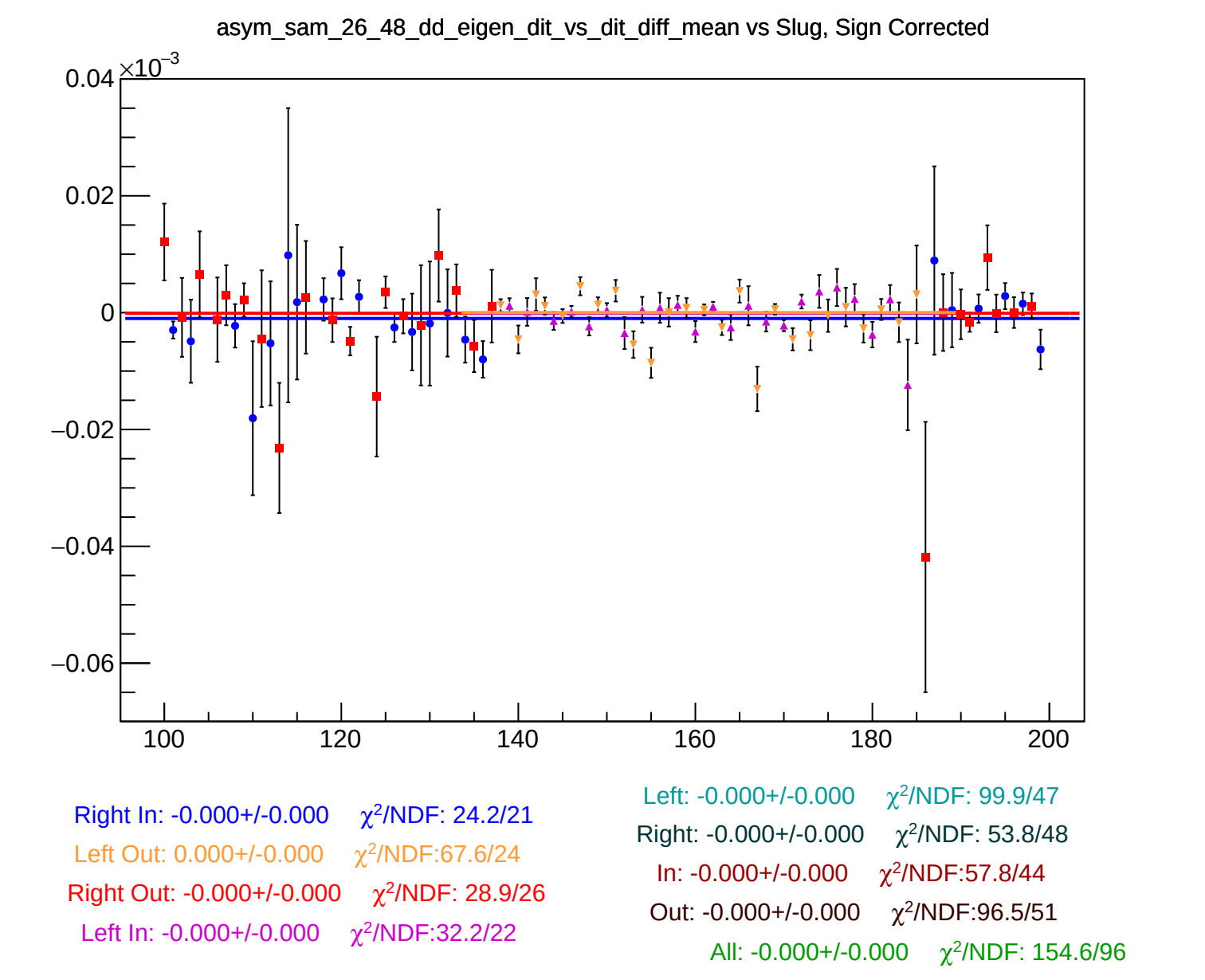
Left: 37.091+/-0.005 χ^2/NDF: 7066571.4/47

Right: 38.612+/-0.006 χ^2/NDF: 7886503.7/48

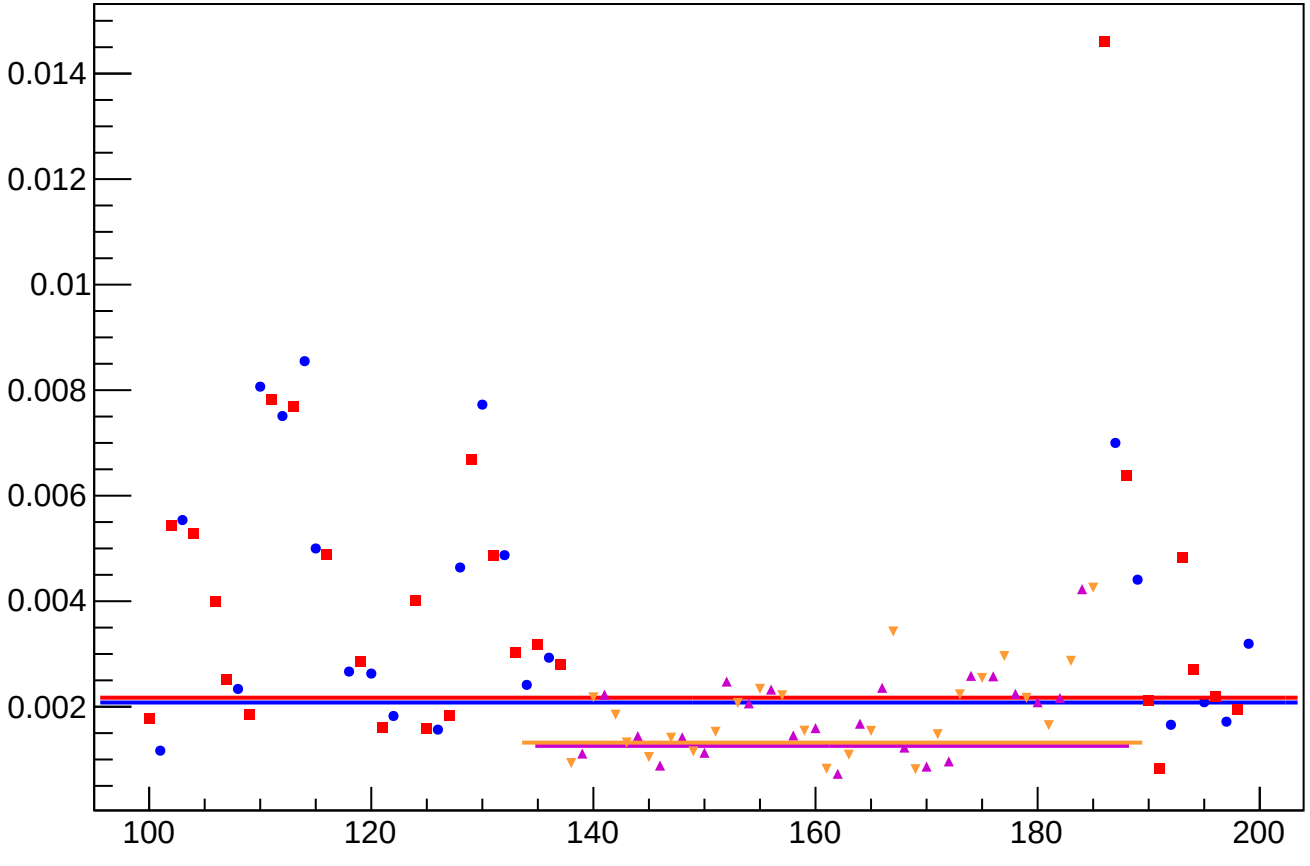
In: 36.944+/-0.005 χ^2/NDF:7077508.4/44

Out: 38.327+/-0.005 χ^2/NDF:7879511.3/51

All: 37.637+/-0.004 χ^2/NDF: 14991879.8/96


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: 24.2/21
Left Out: 0.000+/-0.000 χ²/NDF:67.6/24
Right Out: -0.000+/-0.000 χ²/NDF: 28.9/26
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: 53.8/48
In: -0.000+/-0.000 χ²/NDF:57.8/44
Out: -0.000+/-0.000 χ²/NDF:96.5/51
All: -0.000+/-0.000 χ²/NDF: 154.6/96

asym_sam_26_48_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 4717845.2/21

Left Out: 0.001+/-0.000 χ^2/NDF:5632532.9/24

Right Out: 0.002+/-0.000 χ^2/NDF: 6580912.2/26

Left In: 0.001+/-0.000 χ^2/NDF:5369001.1/22

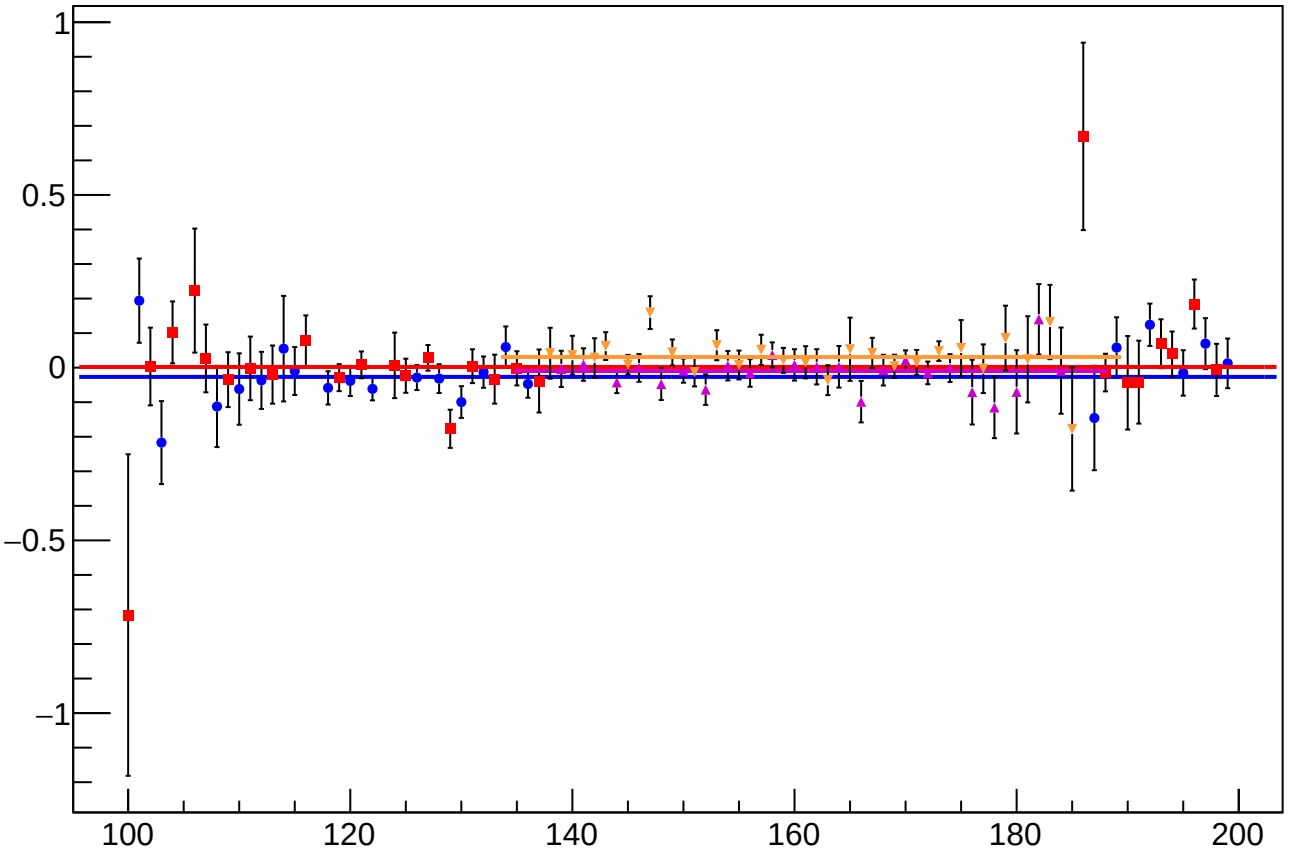
Left: 0.001+/-0.000 χ^2/NDF: 11036327.2/47

Right: 0.002+/-0.000 χ^2/NDF: 11314769.0/48

In: 0.001+/-0.000 χ^2/NDF:12276692.2/44

Out: 0.001+/-0.000 χ^2/NDF:14460474.4/51

All: 0.001+/-0.000 χ^2/NDF: 26781208.2/96



Right In: -0.027+/-0.012 χ^2/NDF: 23.0/21

Left Out: 0.031+/-0.009 χ^2/NDF:17.8/24

Right Out: 0.002+/-0.013 χ^2/NDF: 33.1/26

Left In: -0.010+/-0.009 χ^2/NDF:13.2/22

Left: 0.011+/-0.007 χ^2/NDF: 40.7/47

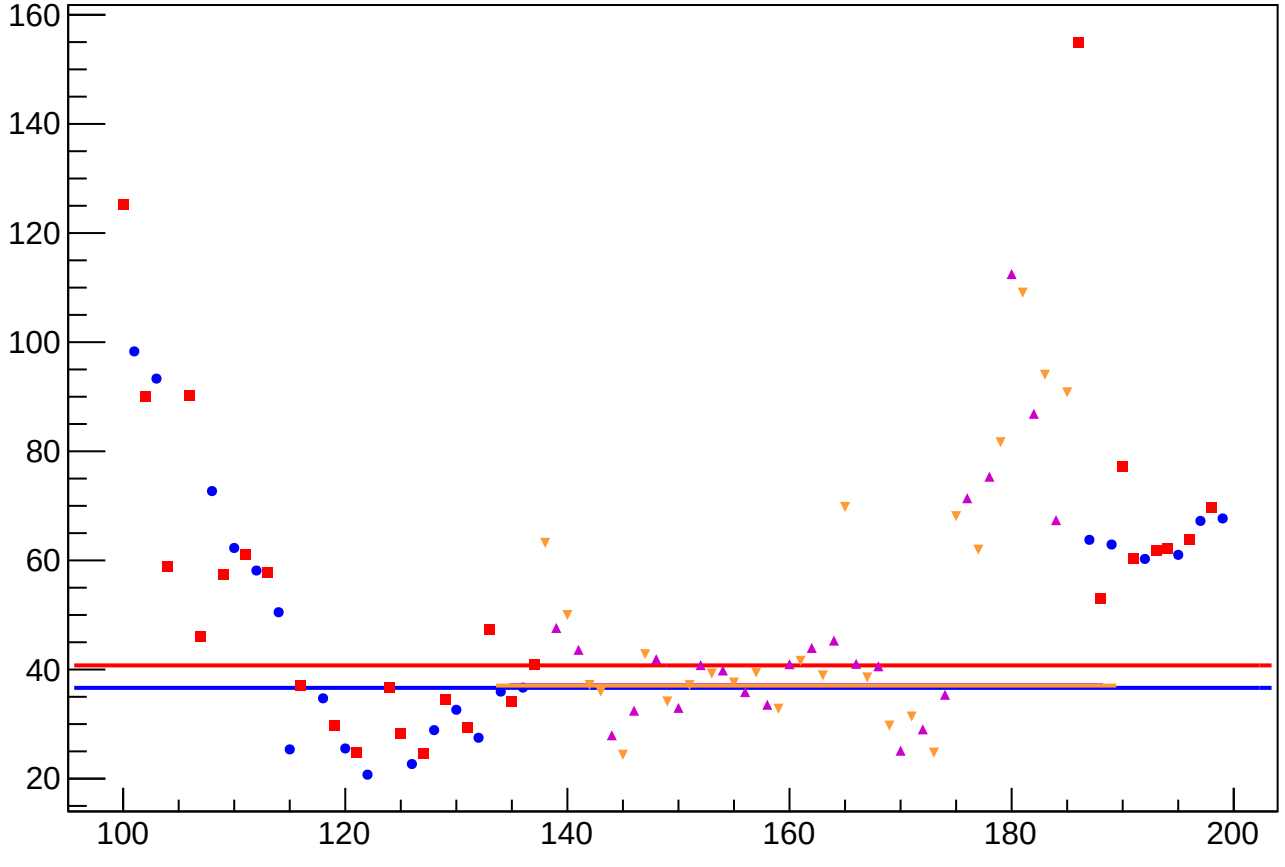
Right: -0.013+/-0.009 χ^2/NDF: 58.9/48

In: -0.016+/-0.007 χ^2/NDF:37.5/44

Out: 0.021+/-0.007 χ^2/NDF:54.4/51

All: 0.002+/-0.005 χ^2/NDF: 104.4/96

asym_sam_26_48_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 36.640+/-0.009 χ^2/NDF: 4062632.6/21

Left Out: 37.057+/-0.006 χ^2/NDF:4053728.9/24

Right Out: 40.758+/-0.009 χ^2/NDF: 3712840.4/26

Left In: 37.127+/-0.007 χ^2/NDF:3012767.1/22

Left: 37.091+/-0.005 χ^2/NDF: 7066552.1/47

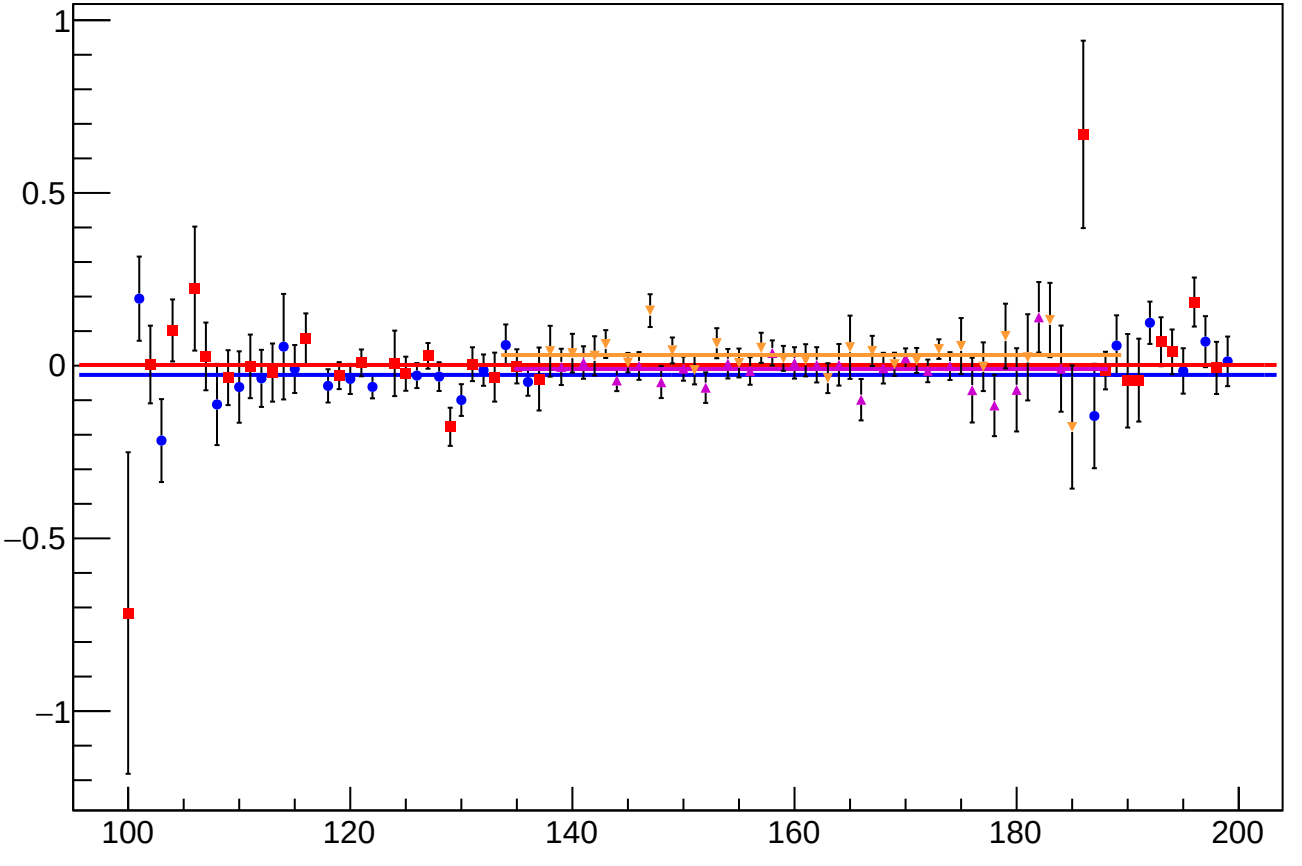
Right: 38.612+/-0.006 χ^2/NDF: 7886271.5/48

In: 36.944+/-0.005 χ^2/NDF:7077419.9/44

Out: 38.327+/-0.005 χ^2/NDF:7879371.0/51

All: 37.637+/-0.004 χ^2/NDF: 14991651.5/96

asym_sam_26_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.027+/-0.012 χ^2/NDF: 23.0/21

Left Out: 0.031+/-0.009 χ^2/NDF:17.8/24

Right Out: 0.002+/-0.013 χ^2/NDF: 33.1/26

Left In: -0.010+/-0.009 χ^2/NDF:13.2/22

Left: 0.011+/-0.007 χ^2/NDF: 40.7/47

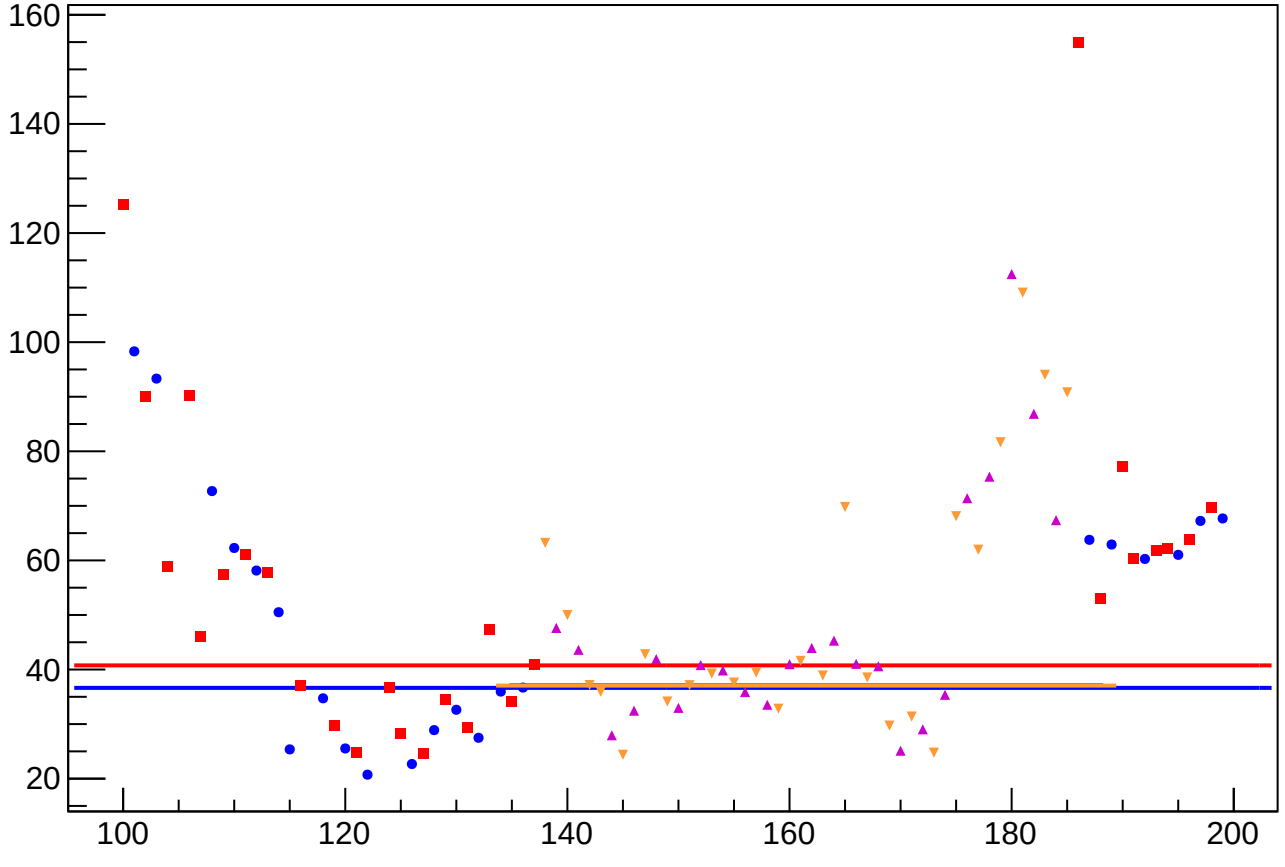
Right: -0.013+/-0.009 χ^2/NDF: 58.9/48

In: -0.016+/-0.007 χ^2/NDF:37.5/44

Out: 0.021+/-0.007 χ^2/NDF:54.4/51

All: 0.002+/-0.005 χ^2/NDF: 104.4/96

asym_sam_26_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 36.640+/-0.009 χ^2/NDF: 4062632.6/21

Left Out: 37.057+/-0.006 χ^2/NDF:4053728.9/24

Right Out: 40.758+/-0.009 χ^2/NDF: 3712840.4/26

Left In: 37.127+/-0.007 χ^2/NDF:3012767.1/22

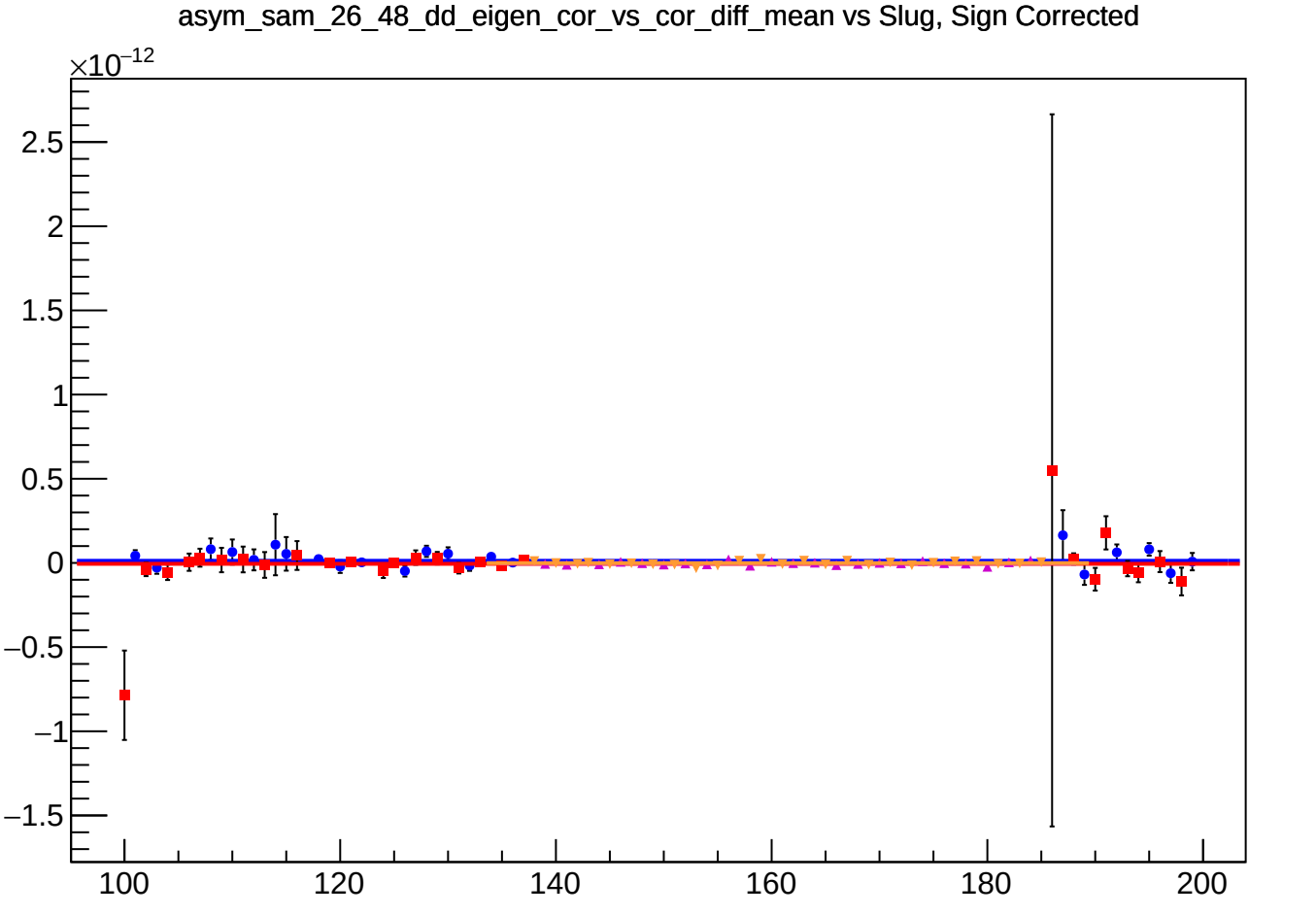
Left: 37.091+/-0.005 χ^2/NDF: 7066552.1/47

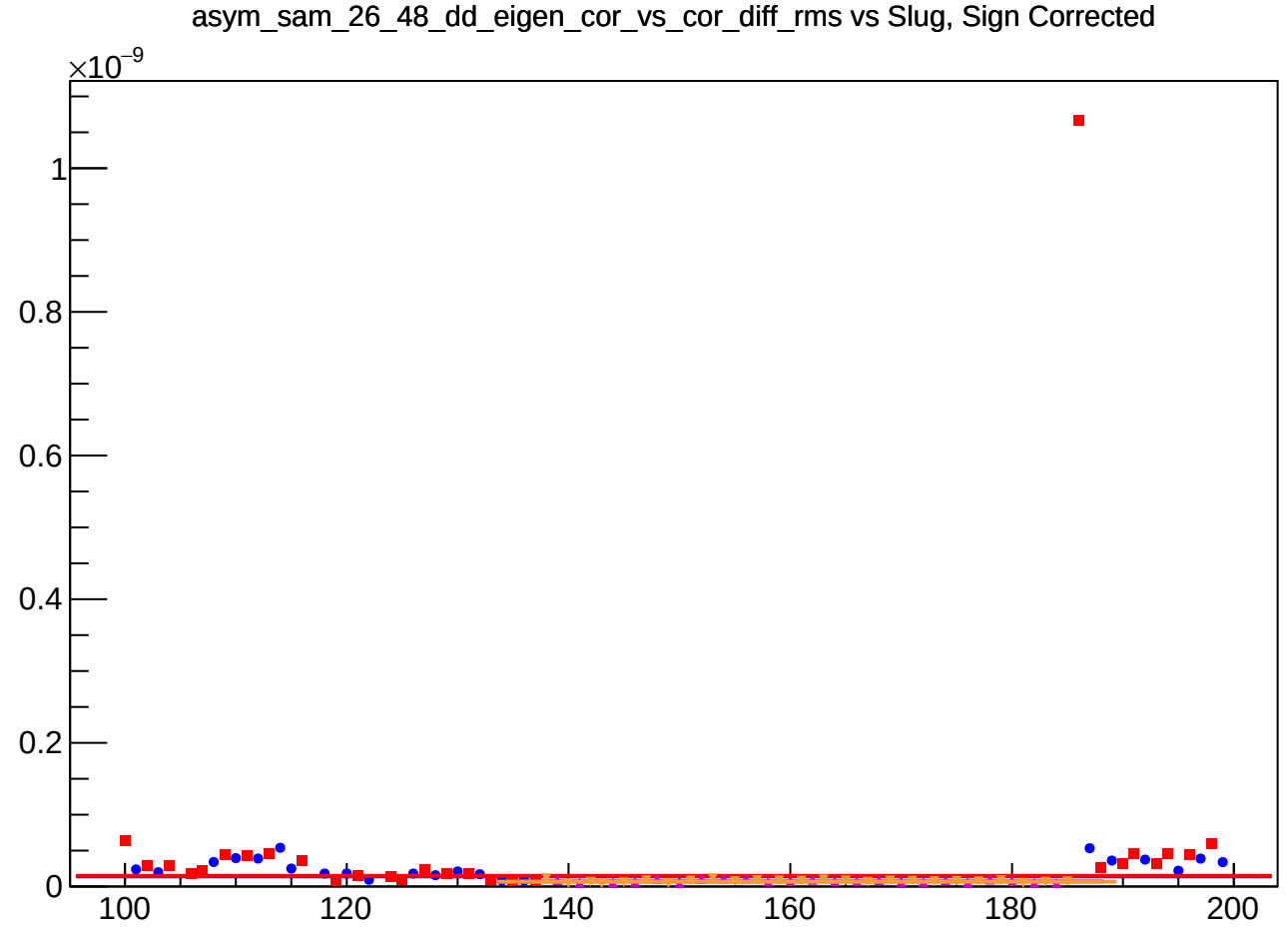
Right: 38.612+/-0.006 χ^2/NDF: 7886271.5/48

In: 36.944+/-0.005 χ^2/NDF:7077419.9/44

Out: 38.327+/-0.005 χ^2/NDF:7879371.0/51

All: 37.637+/-0.004 χ^2/NDF: 14991651.5/96


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: 25.8/21
Left Out: -0.000+/-0.000 χ²/NDF:26.0/24
Right Out: -0.000+/-0.000 χ²/NDF: 26.7/26
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: 56.5/48
In: -0.000+/-0.000 χ²/NDF:52.2/44
Out: -0.000+/-0.000 χ²/NDF:53.0/51
All: -0.000+/-0.000 χ²/NDF: 105.2/96



Right In: 0.000+/-0.000 χ^2/NDF: 3913246.3/21

Left Out: 0.000+/-0.000 χ^2/NDF:1953818.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5953383.8/26

Left In: 0.000+/-0.000 χ^2/NDF:1431998.0/22

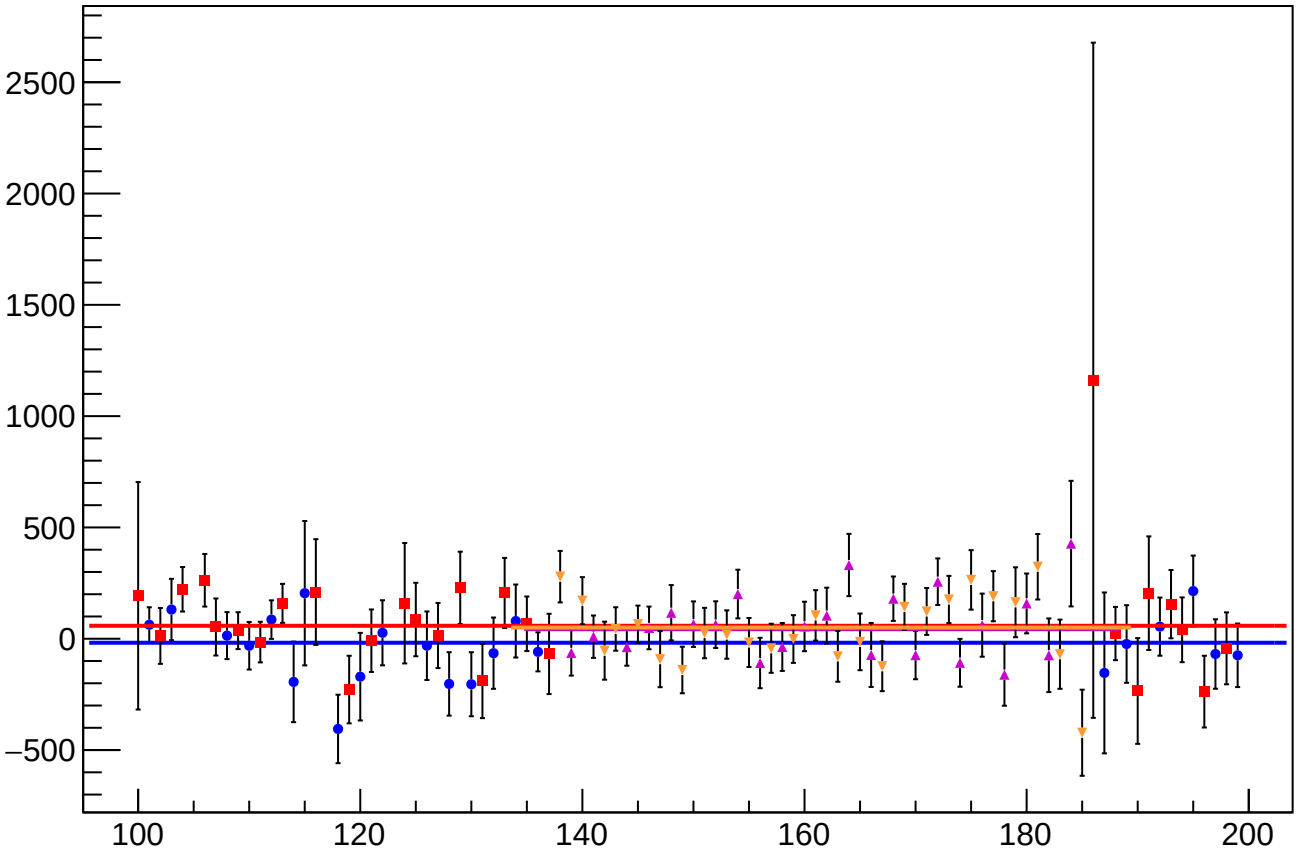
Left: 0.000+/-0.000 χ^2/NDF: 3428981.7/47

Right: 0.000+/-0.000 χ^2/NDF: 9877011.2/48

In: 0.000+/-0.000 χ^2/NDF:7705817.3/44

Out: 0.000+/-0.000 χ^2/NDF:10933037.9/51

All: 0.000+/-0.000 χ^2/NDF: 18691759.1/96



Right In: -17.950+/-28.239 χ^2/NDF: 19.1/21

Left Out: 50.314+/-22.958 χ^2/NDF:33.5/24

Right Out: 58.305+/-26.861 χ^2/NDF: 23.7/26

Left In: 43.026+/-23.758 χ^2/NDF:26.6/22

Left: 46.795+/-16.509 χ^2/NDF: 60.1/47

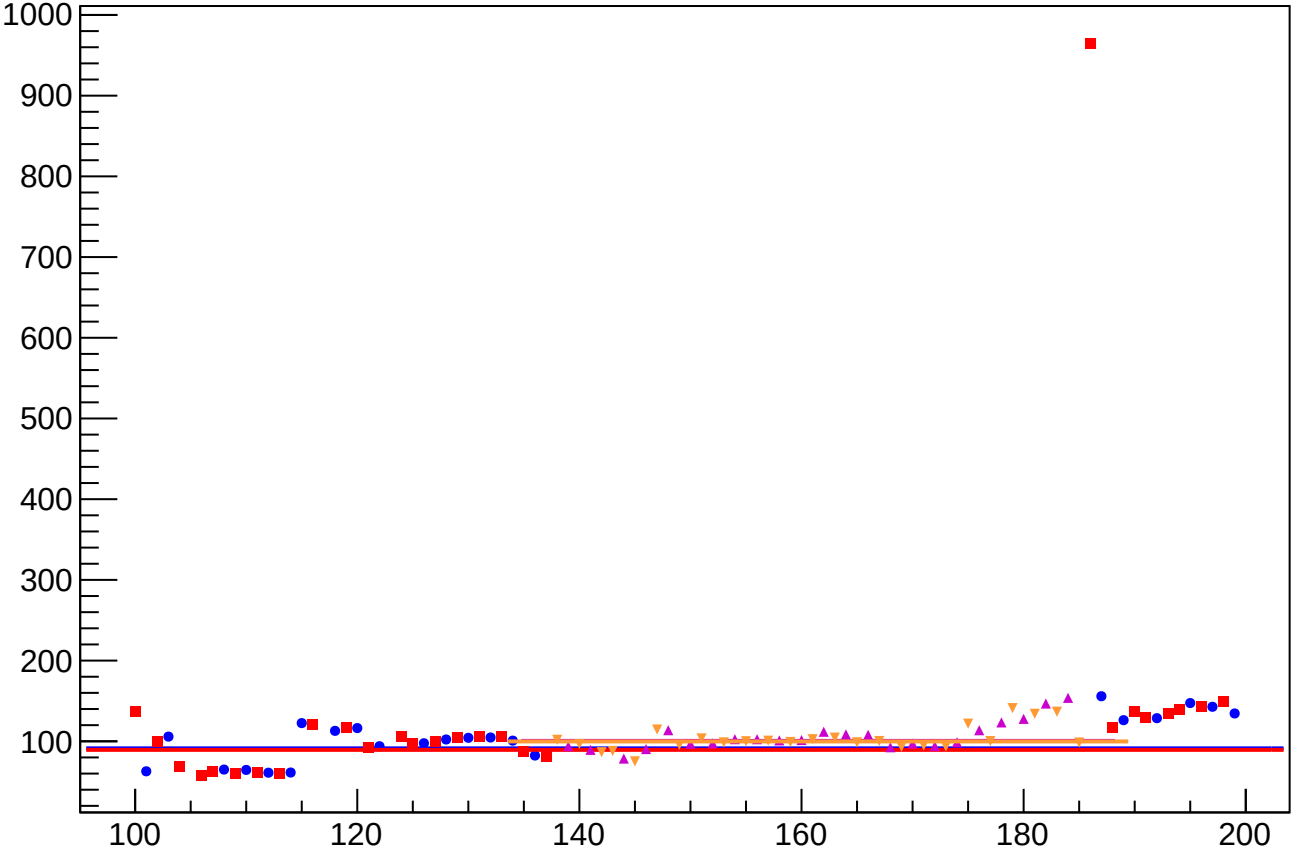
Right: 22.083+/-19.463 χ^2/NDF: 46.6/48

In: 17.754+/-18.180 χ^2/NDF:48.4/44

Out: 53.687+/-17.452 χ^2/NDF:57.2/51

All: 36.454+/-12.590 χ^2/NDF: 107.7/96

reg_asym_sam_1548_avg_rms vs Slug, Sign Corrected



Right In: 91.243+/-0.020 χ^2/NDF: 1952543.2/21

Left Out: 99.839+/-0.016 χ^2/NDF:697768.7/24

Right Out: 89.391+/-0.019 χ^2/NDF: 3012987.8/26

Left In: 100.498+/-0.017 χ^2/NDF:656850.1/22

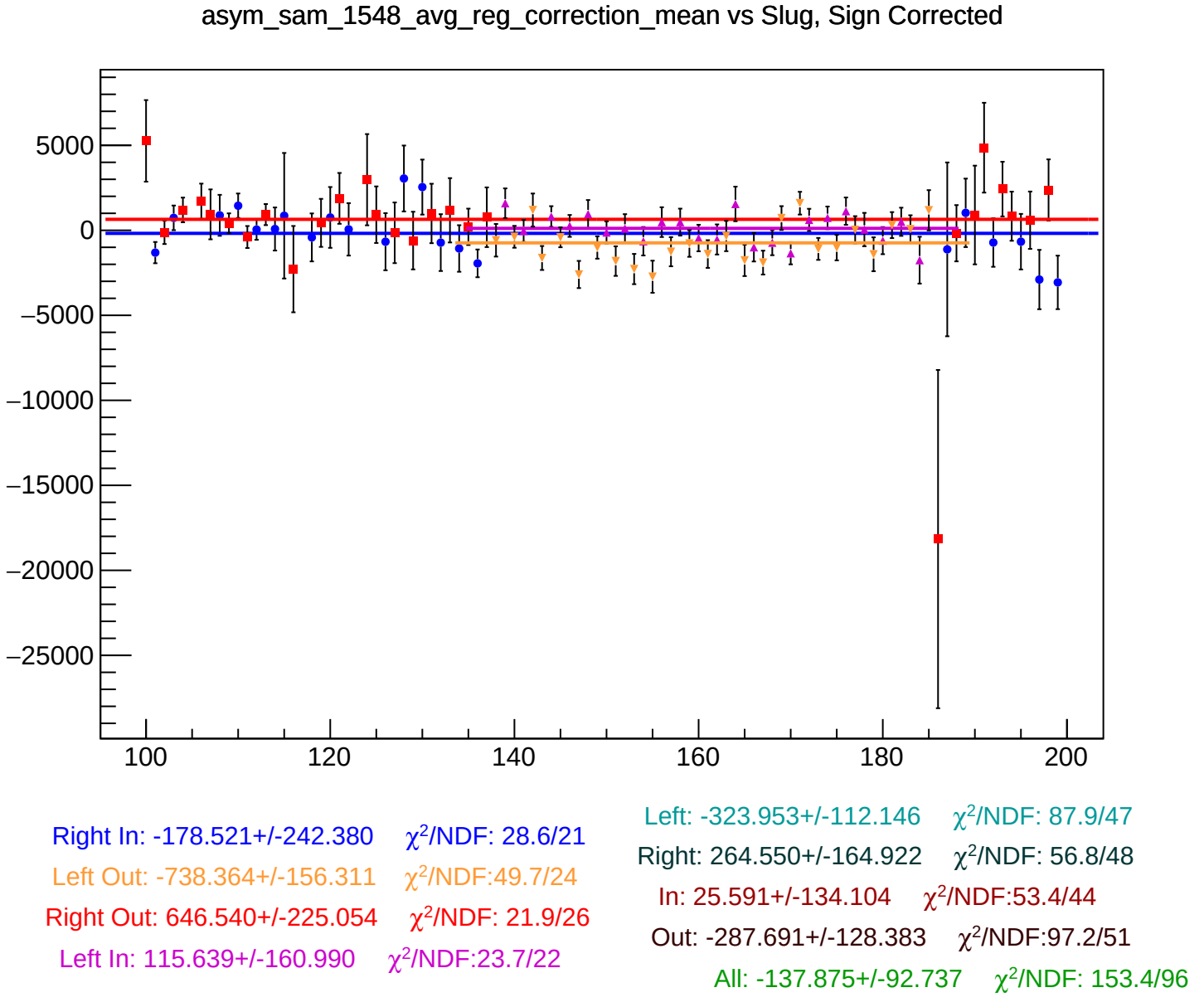
Left: 100.157+/-0.012 χ^2/NDF: 1355414.7/47

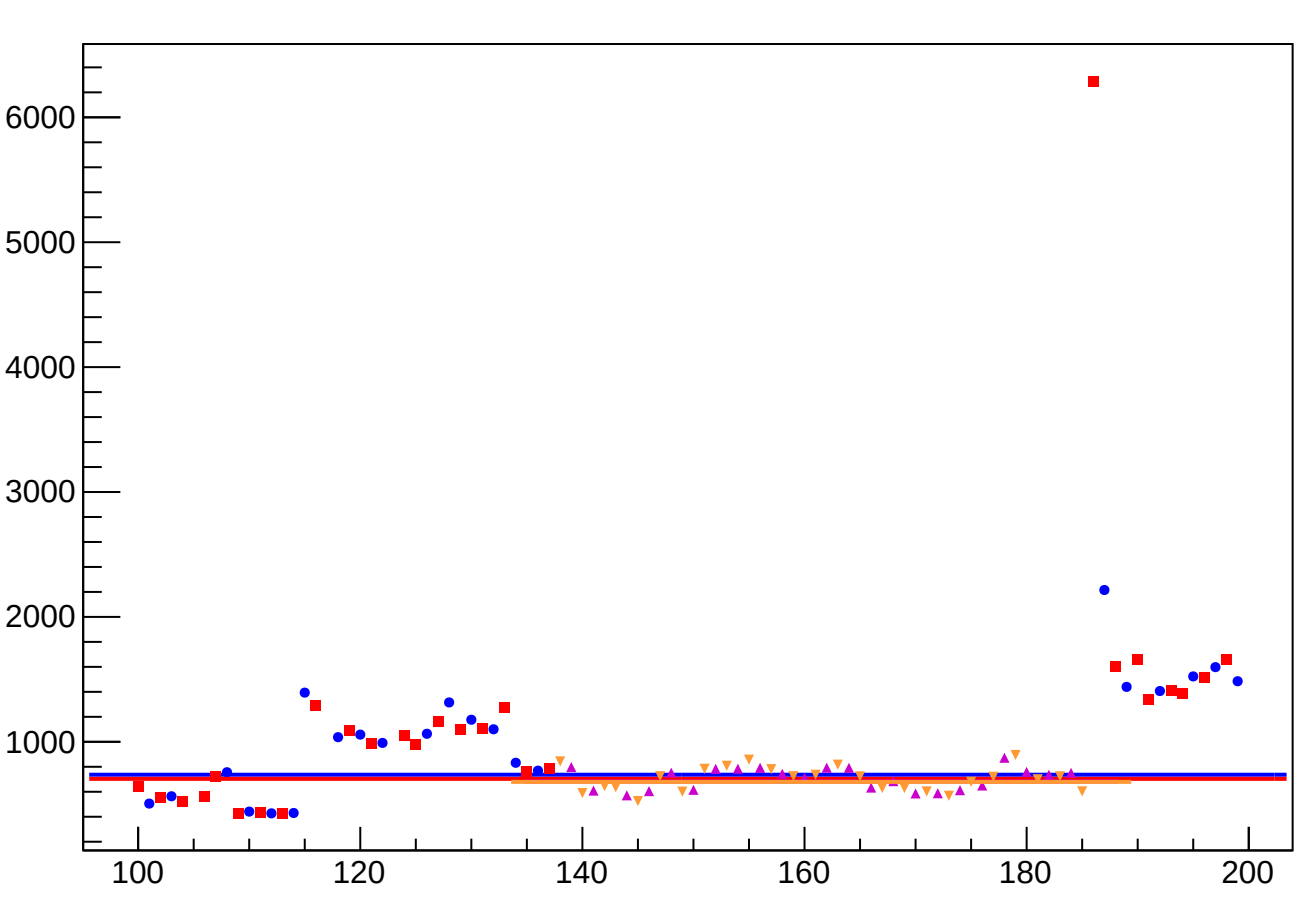
Right: 90.271+/-0.014 χ^2/NDF: 4970048.1/48

In: 96.662+/-0.013 χ^2/NDF:2735176.4/44

Out: 95.429+/-0.012 χ^2/NDF:3885610.1/51

All: 96.020+/-0.009 χ^2/NDF: 6625578.4/96


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: -178.521+/-242.380 χ²/NDF: 28.6/21
Left Out: -738.364+/-156.311 χ²/NDF:49.7/24
Right Out: 646.540+/-225.054 χ²/NDF: 21.9/26
Left In: 115.639+/-160.990 χ²/NDF:23.7/22
Left: -323.953+/-112.146 χ²/NDF: 87.9/47
Right: 264.550+/-164.922 χ²/NDF: 56.8/48
In: 25.591+/-134.104 χ²/NDF:53.4/44
Out: -287.691+/-128.383 χ²/NDF:97.2/51
All: -137.875+/-92.737 χ²/NDF: 153.4/96



Right In: 736.490+/-0.171 χ^2/NDF: 4403300.2/21

Left Out: 679.146+/-0.111 χ^2/NDF:737419.7/24

Right Out: 703.318+/-0.159 χ^2/NDF: 5840812.8/26

Left In: 681.893+/-0.114 χ^2/NDF:573812.4/22

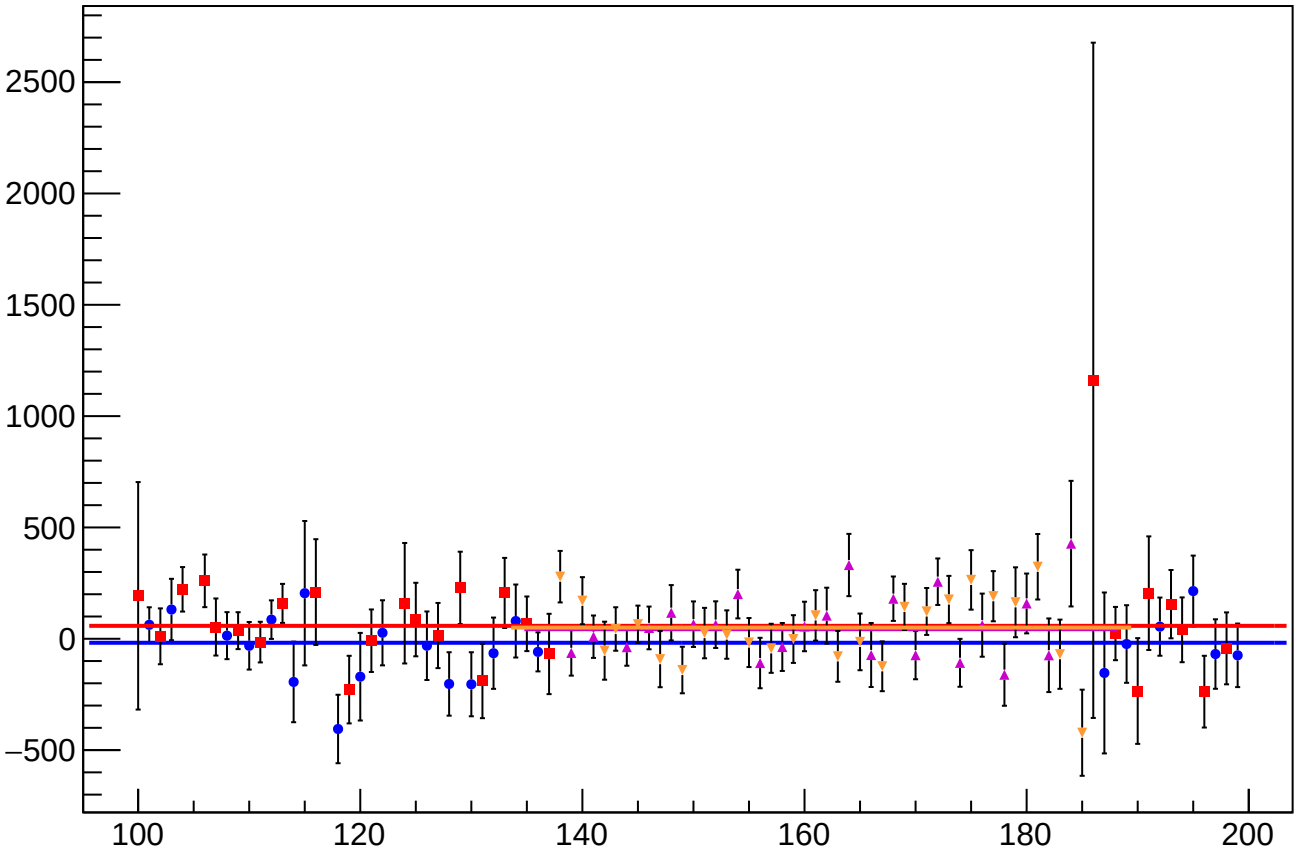
Left: 680.479+/-0.079 χ^2/NDF: 1311531.8/47

Right: 718.676+/-0.117 χ^2/NDF: 10264229.8/48

In: 698.606+/-0.095 χ^2/NDF:5047525.8/44

Out: 687.012+/-0.091 χ^2/NDF:6593796.1/51

All: 692.557+/-0.066 χ^2/NDF: 11649122.0/96



Right In: -17.952+/-28.239 χ^2/NDF: 19.1/21

Left Out: 50.322+/-22.958 χ^2/NDF:33.4/24

Right Out: 58.090+/-26.863 χ^2/NDF: 23.6/26

Left In: 43.026+/-23.758 χ^2/NDF:26.6/22

Left: 46.799+/-16.509 χ^2/NDF: 60.1/47

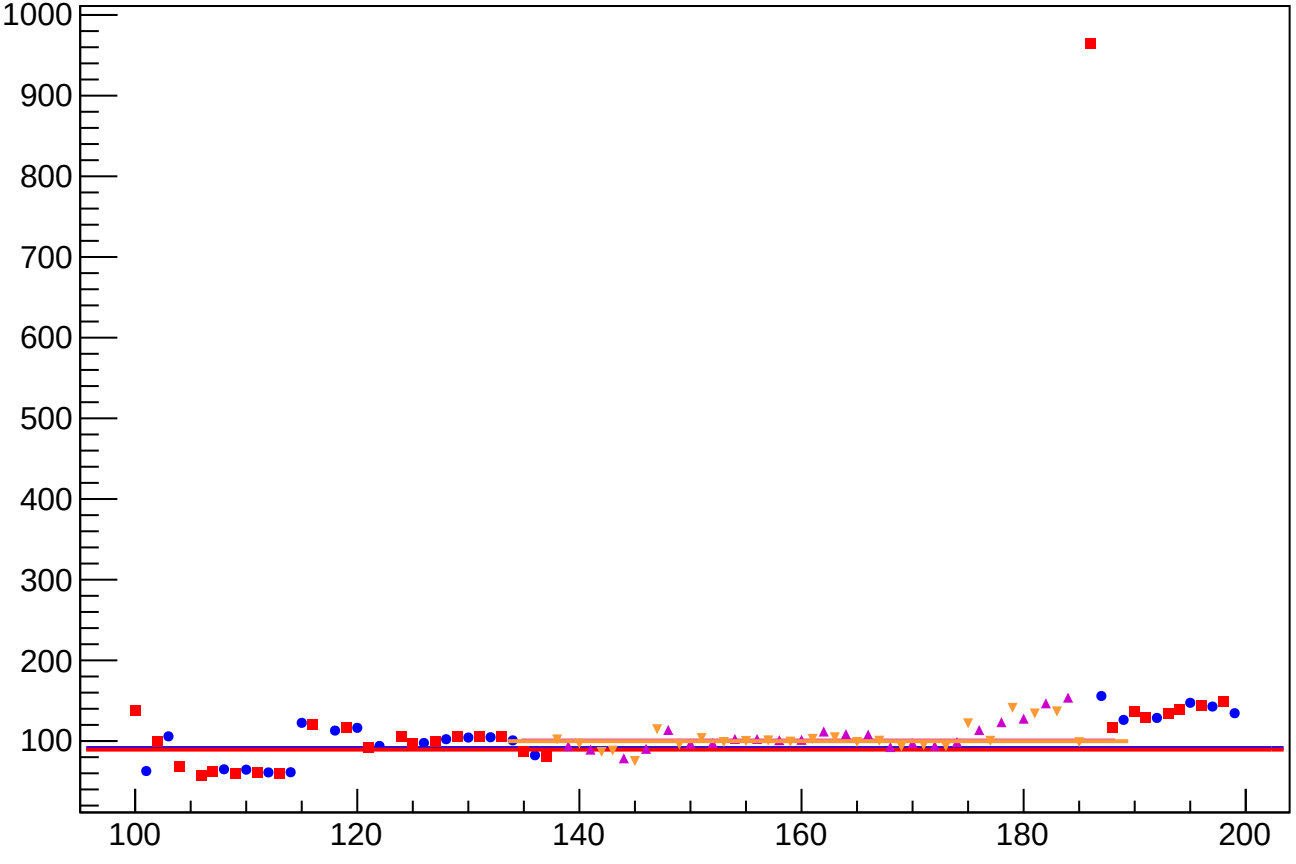
Right: 21.967+/-19.463 χ^2/NDF: 46.5/48

In: 17.753+/-18.180 χ^2/NDF:48.4/44

Out: 53.601+/-17.452 χ^2/NDF:57.1/51

All: 36.409+/-12.590 χ^2/NDF: 107.6/96

cor_asym_sam_1548_avg_rms vs Slug, Sign Corrected



Right In: 91.243+/-0.020 χ^2/NDF: 1952544.8/21

Left Out: 99.839+/-0.016 χ^2/NDF:697768.8/24

Right Out: 89.377+/-0.019 χ^2/NDF: 3016015.8/26

Left In: 100.498+/-0.017 χ^2/NDF:656850.1/22

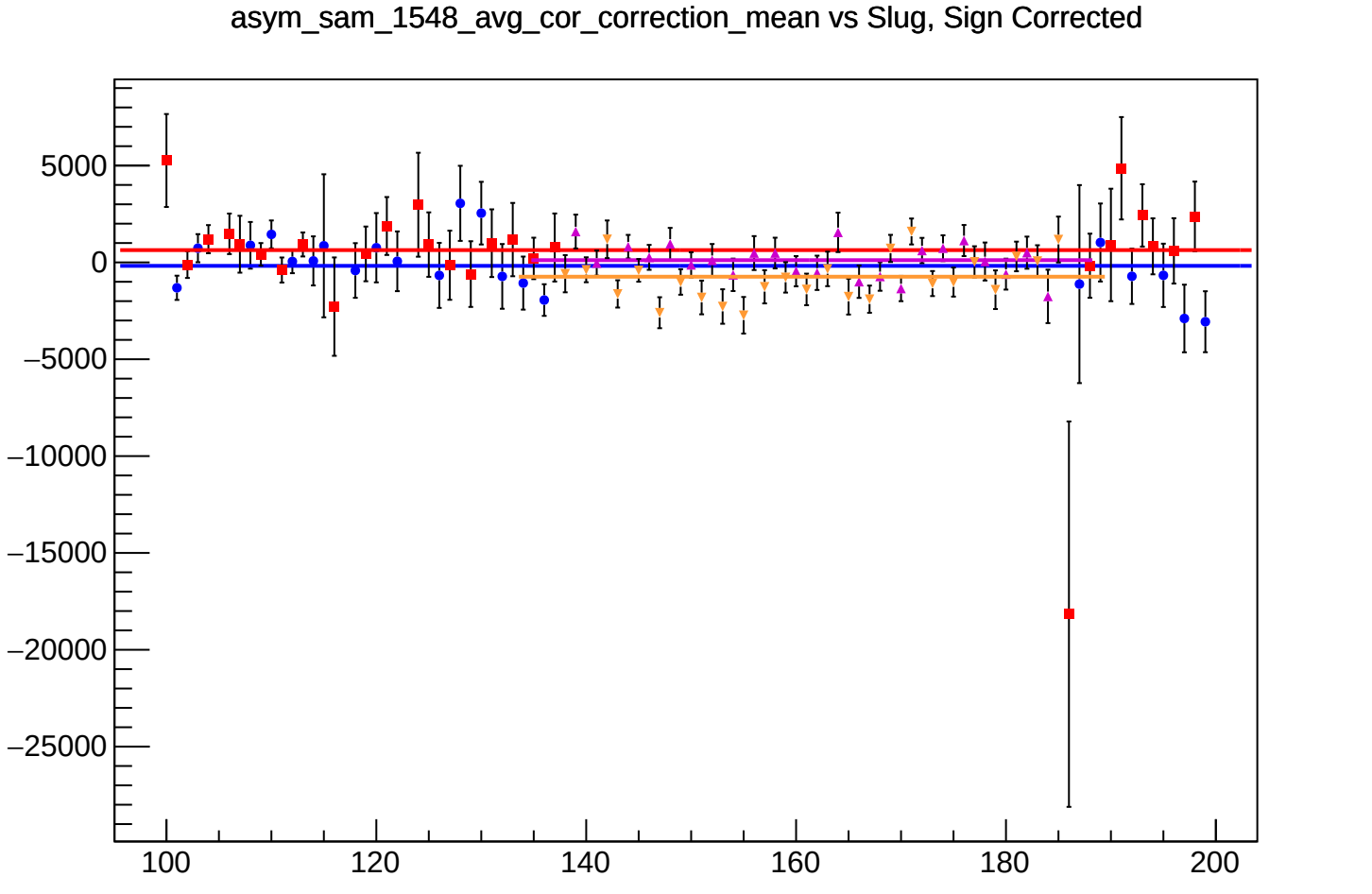
Left: 100.157+/-0.012 χ^2/NDF: 1355414.8/47

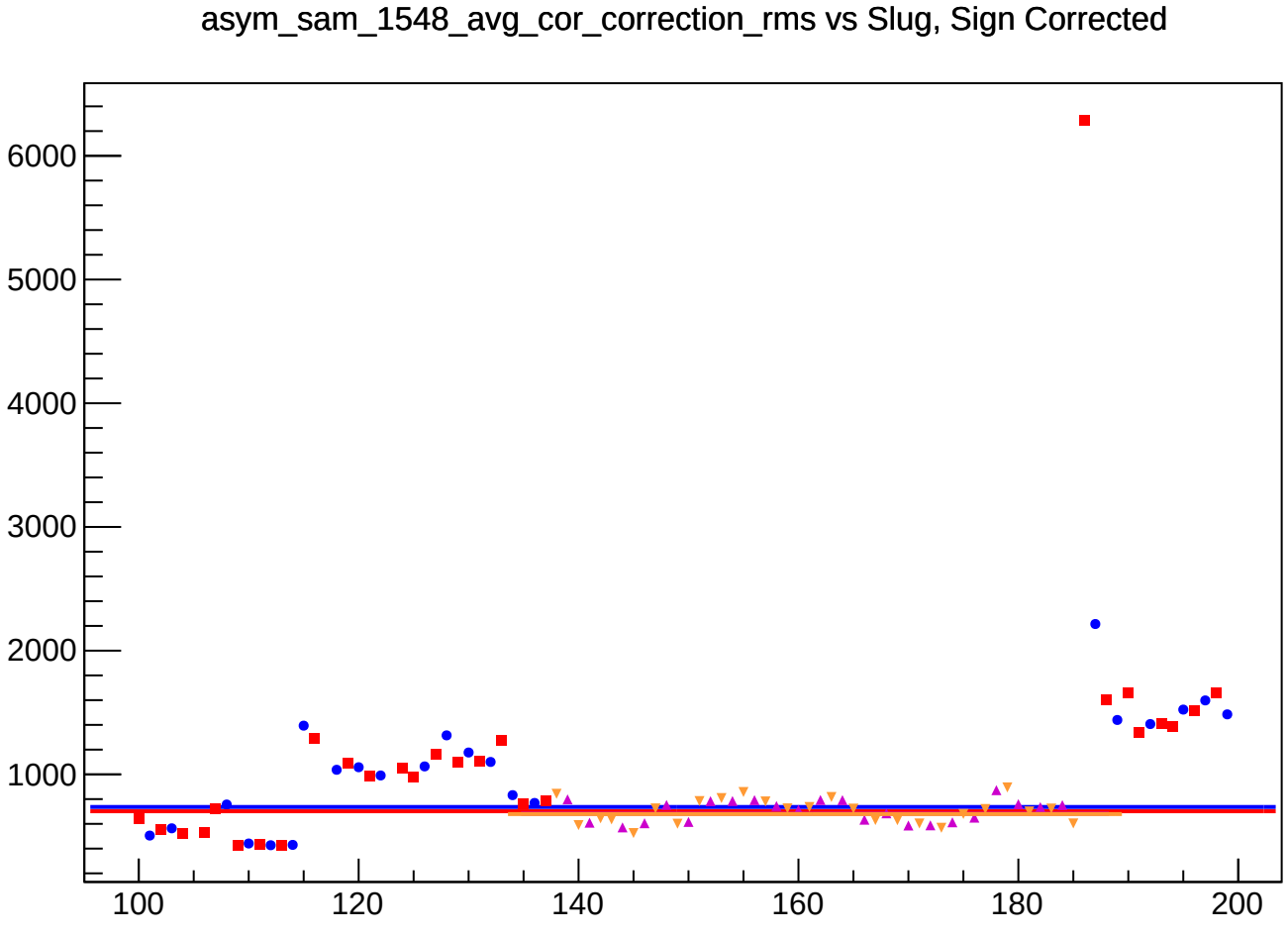
Right: 90.263+/-0.014 χ^2/NDF: 4973145.7/48

In: 96.662+/-0.013 χ^2/NDF:2735177.5/44

Out: 95.423+/-0.012 χ^2/NDF:3889094.2/51

All: 96.017+/-0.009 χ^2/NDF: 6629107.3/96


asym_sam_1548_avg_cor_correction_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
100
120
140
160
180
200
Right In: -178.547+/-242.382 χ²/NDF: 28.6/21
Left Out: -738.352+/-156.311 χ²/NDF:49.7/24
Right Out: 635.107+/-225.178 χ²/NDF: 21.5/26
Left In: 115.639+/-160.990 χ²/NDF:23.7/22
Left: -323.947+/-112.146 χ²/NDF: 87.9/47
Right: 258.179+/-164.972 χ²/NDF: 56.2/48
In: 25.585+/-134.104 χ²/NDF:53.4/44
Out: -291.737+/-128.406 χ²/NDF:96.3/51
All: -139.961+/-92.746 χ²/NDF: 152.6/96



Right In: 736.500+/-0.171 χ^2/NDF: 4403201.1/21

Left Out: 679.146+/-0.111 χ^2/NDF:737418.6/24

Right Out: 701.935+/-0.159 χ^2/NDF: 5859184.9/26

Left In: 681.893+/-0.114 χ^2/NDF:573813.6/22

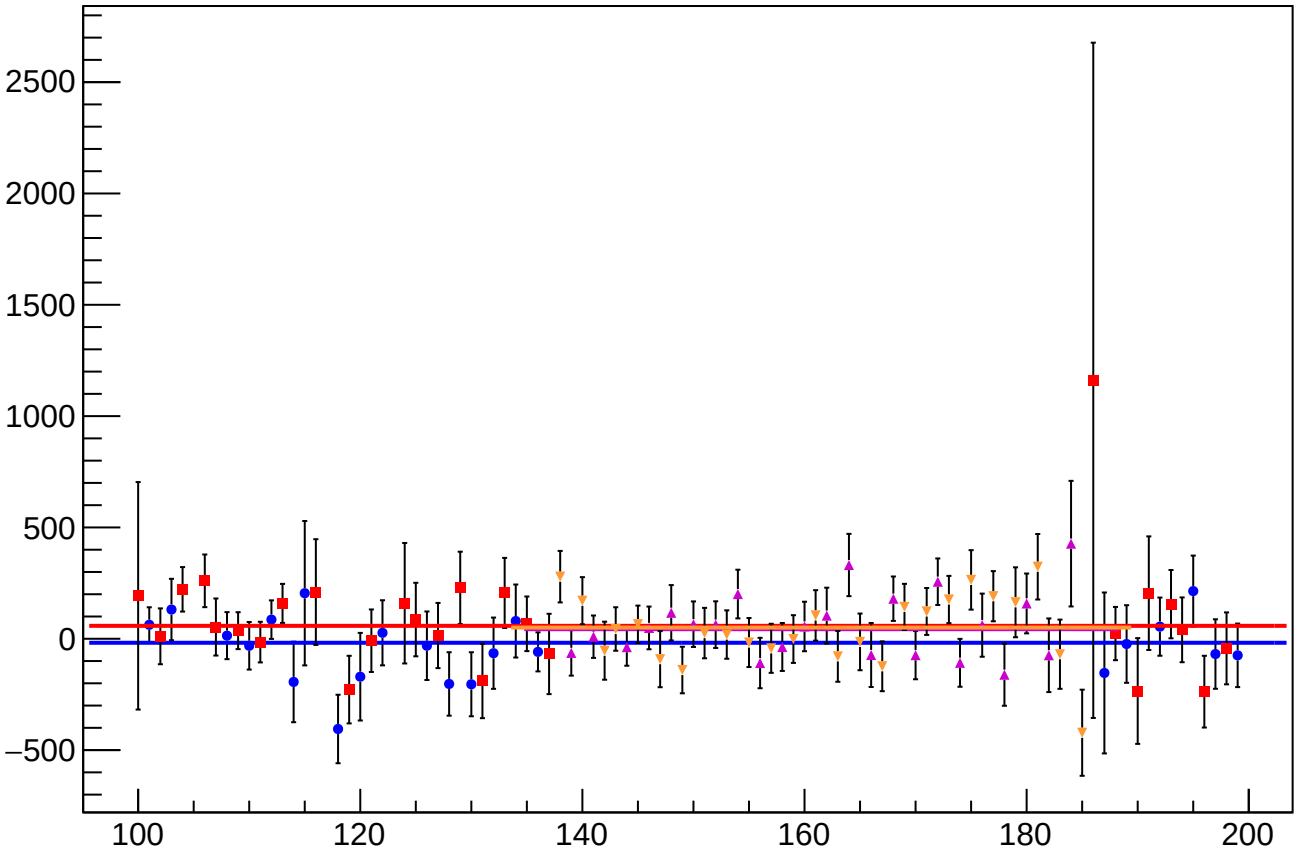
Left: 680.479+/-0.079 χ^2/NDF: 1311532.0/47

Right: 717.947+/-0.117 χ^2/NDF: 10284216.4/48

In: 698.609+/-0.095 χ^2/NDF:5047452.7/44

Out: 686.557+/-0.091 χ^2/NDF:6610427.0/51

All: 692.321+/-0.066 χ^2/NDF: 11666307.3/96



Right In: -17.952+/-28.239 χ^2/NDF: 19.1/21

Left Out: 50.322+/-22.958 χ^2/NDF:33.4/24

Right Out: 58.090+/-26.863 χ^2/NDF: 23.6/26

Left In: 43.026+/-23.758 χ^2/NDF:26.6/22

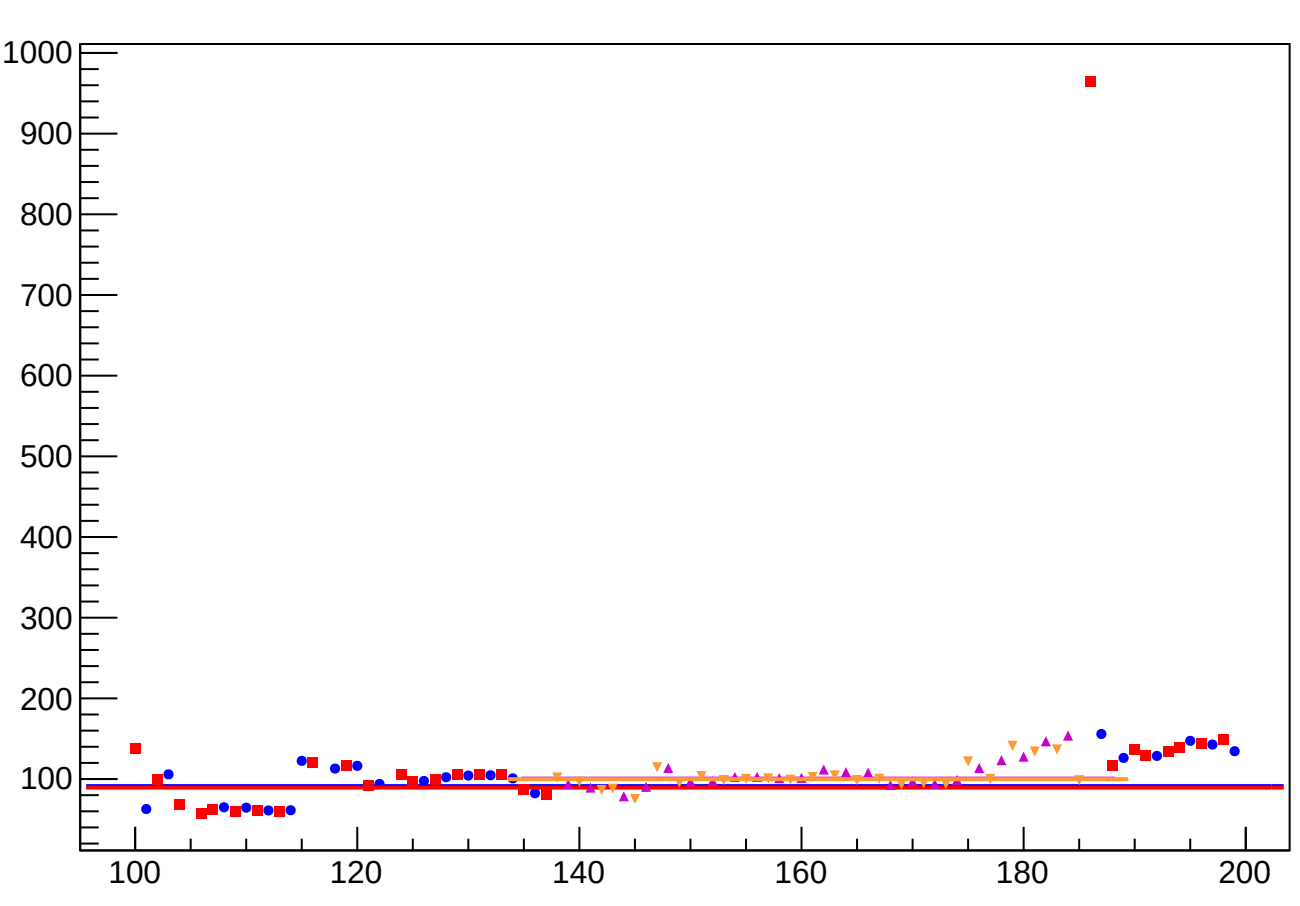
Left: 46.799+/-16.509 χ^2/NDF: 60.1/47

Right: 21.967+/-19.463 χ^2/NDF: 46.5/48

In: 17.753+/-18.180 χ^2/NDF:48.4/44

Out: 53.601+/-17.452 χ^2/NDF:57.1/51

All: 36.409+/-12.590 χ^2/NDF: 107.6/96



Right In: 91.243+/-0.020 χ^2/NDF: 1952544.8/21

Left Out: 99.839+/-0.016 χ^2/NDF:697768.8/24

Right Out: 89.377+/-0.019 χ^2/NDF: 3016015.8/26

Left In: 100.498+/-0.017 χ^2/NDF:656850.1/22

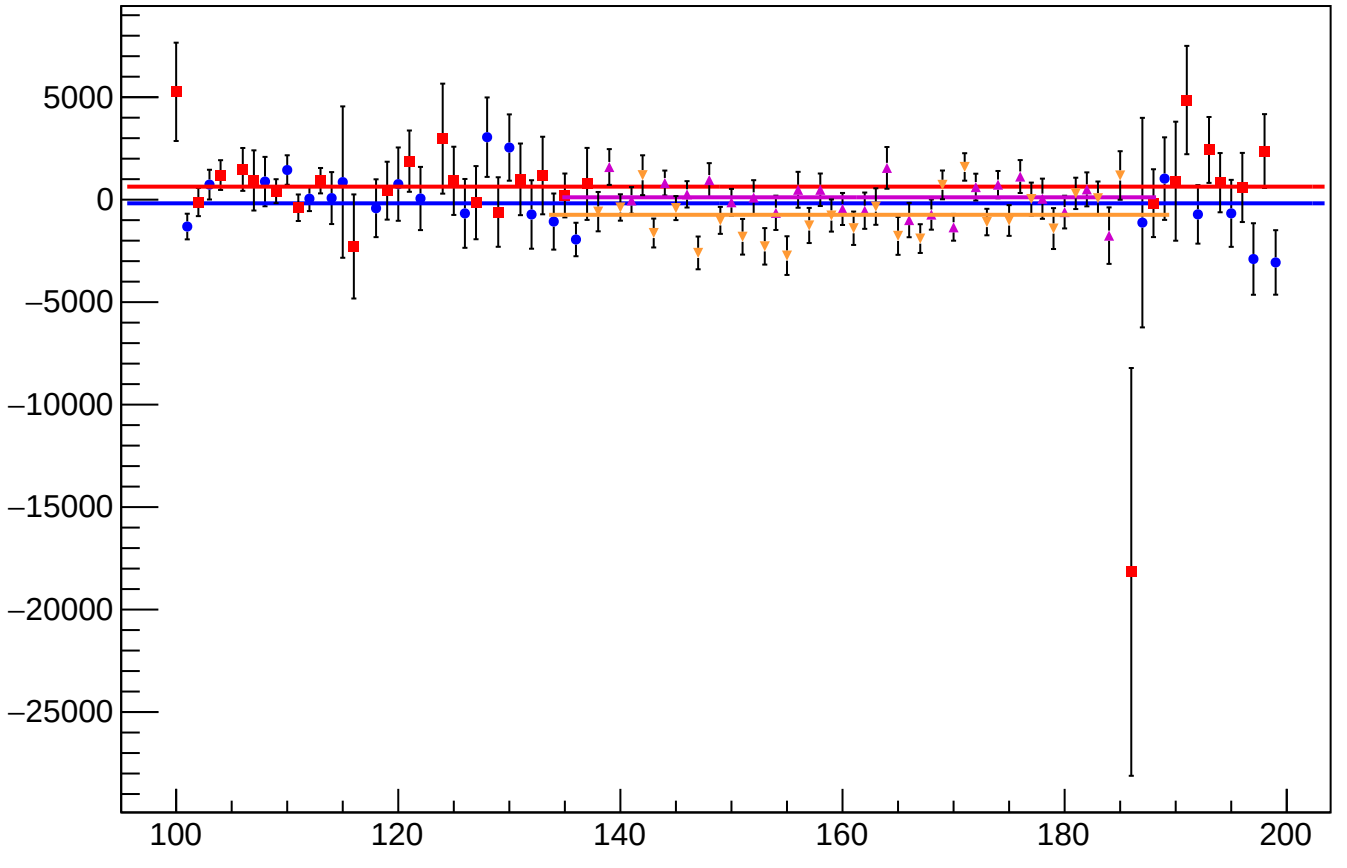
Left: 100.157+/-0.012 χ^2/NDF: 1355414.8/47

Right: 90.263+/-0.014 χ^2/NDF: 4973145.7/48

In: 96.662+/-0.013 χ^2/NDF:2735177.5/44

Out: 95.423+/-0.012 χ^2/NDF:3889094.2/51

All: 96.017+/-0.009 χ^2/NDF: 6629107.3/96



Right In: -178.547+/-242.382 χ^2/NDF: 28.6/21

Left Out: -738.352+/-156.311 χ^2/NDF:49.7/24

Right Out: 635.107+/-225.178 χ^2/NDF: 21.5/26

Left In: 115.639+/-160.990 χ^2/NDF:23.7/22

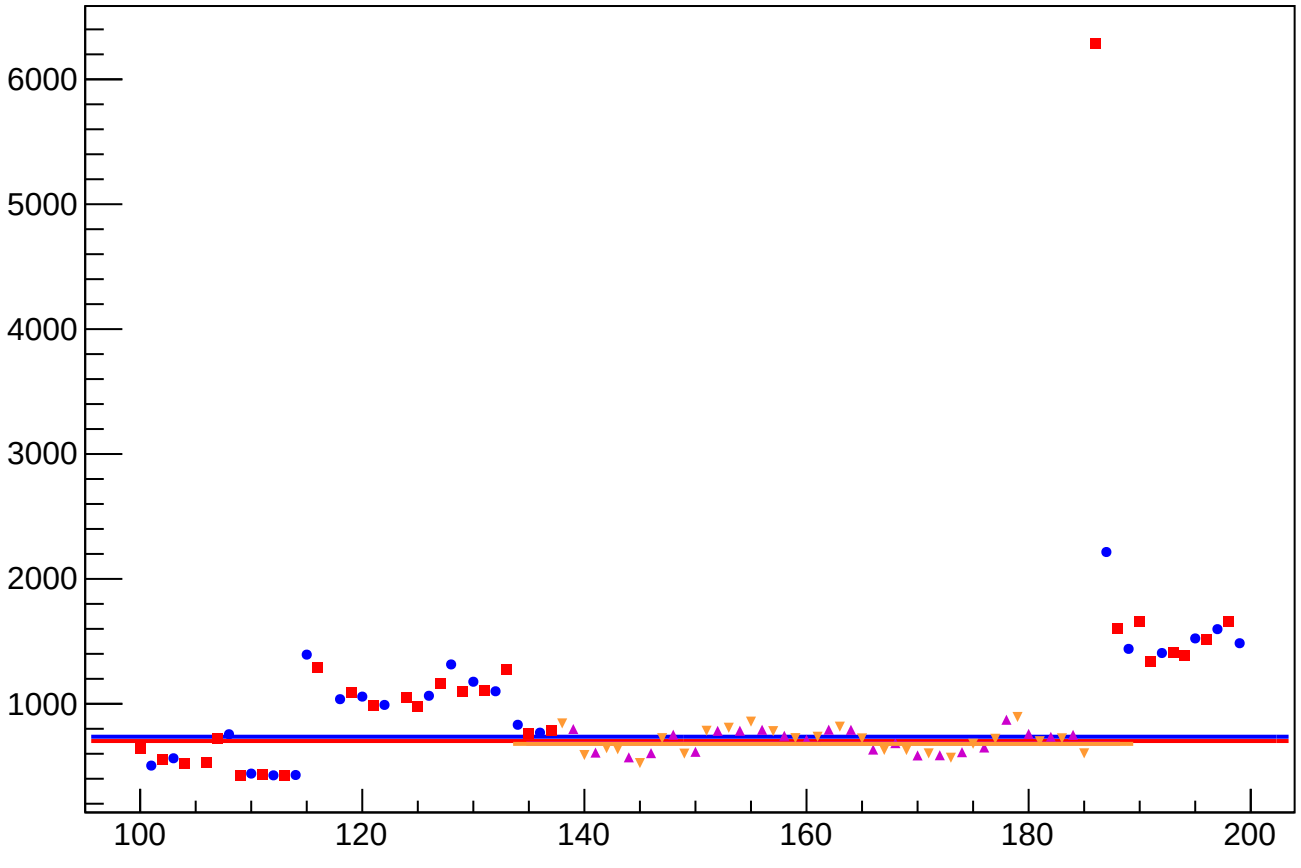
Left: -323.947+/-112.146 χ^2/NDF: 87.9/47

Right: 258.179+/-164.972 χ^2/NDF: 56.2/48

In: 25.585+/-134.104 χ^2/NDF:53.4/44

Out: -291.737+/-128.406 χ^2/NDF:96.3/51

All: -139.961+/-92.746 χ^2/NDF: 152.6/96



Right In: 736.500+/-0.171 χ^2/NDF: 4403201.1/21

Left Out: 679.146+/-0.111 χ^2/NDF:737418.6/24

Right Out: 701.935+/-0.159 χ^2/NDF: 5859184.9/26

Left In: 681.893+/-0.114 χ^2/NDF:573813.6/22

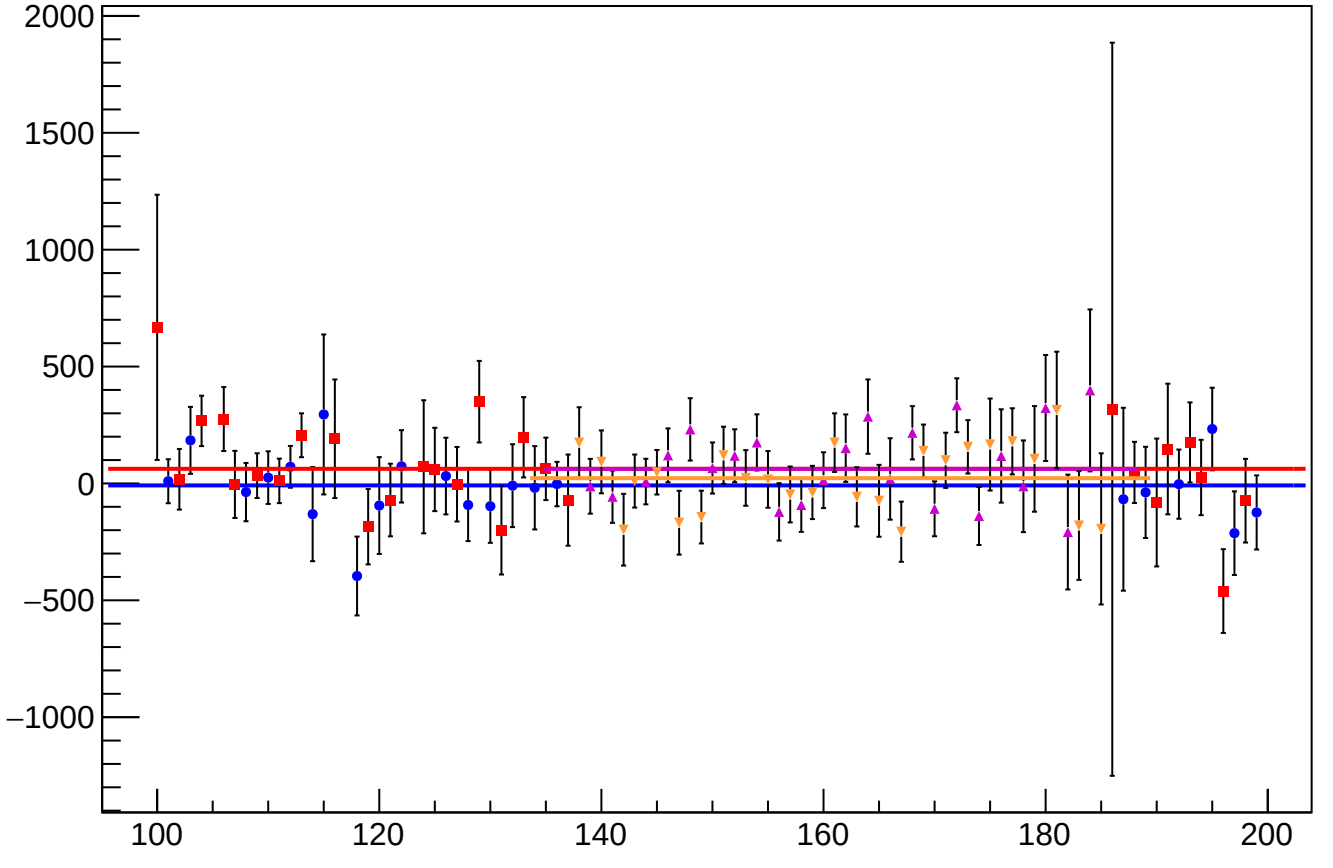
Left: 680.479+/-0.079 χ^2/NDF: 1311532.0/47

Right: 717.947+/-0.117 χ^2/NDF: 10284216.4/48

In: 698.609+/-0.095 χ^2/NDF:5047452.7/44

Out: 686.557+/-0.091 χ^2/NDF:6610427.0/51

All: 692.321+/-0.066 χ^2/NDF: 11666307.3/96



Right In: -8.493+/-31.024 χ^2/NDF: 14.1/21

Left Out: 22.542+/-26.643 χ^2/NDF:21.6/24

Right Out: 62.610+/-29.373 χ^2/NDF: 29.5/26

Left In: 62.169+/-27.339 χ^2/NDF:27.3/22

Left: 41.845+/-19.081 χ^2/NDF: 50.0/47

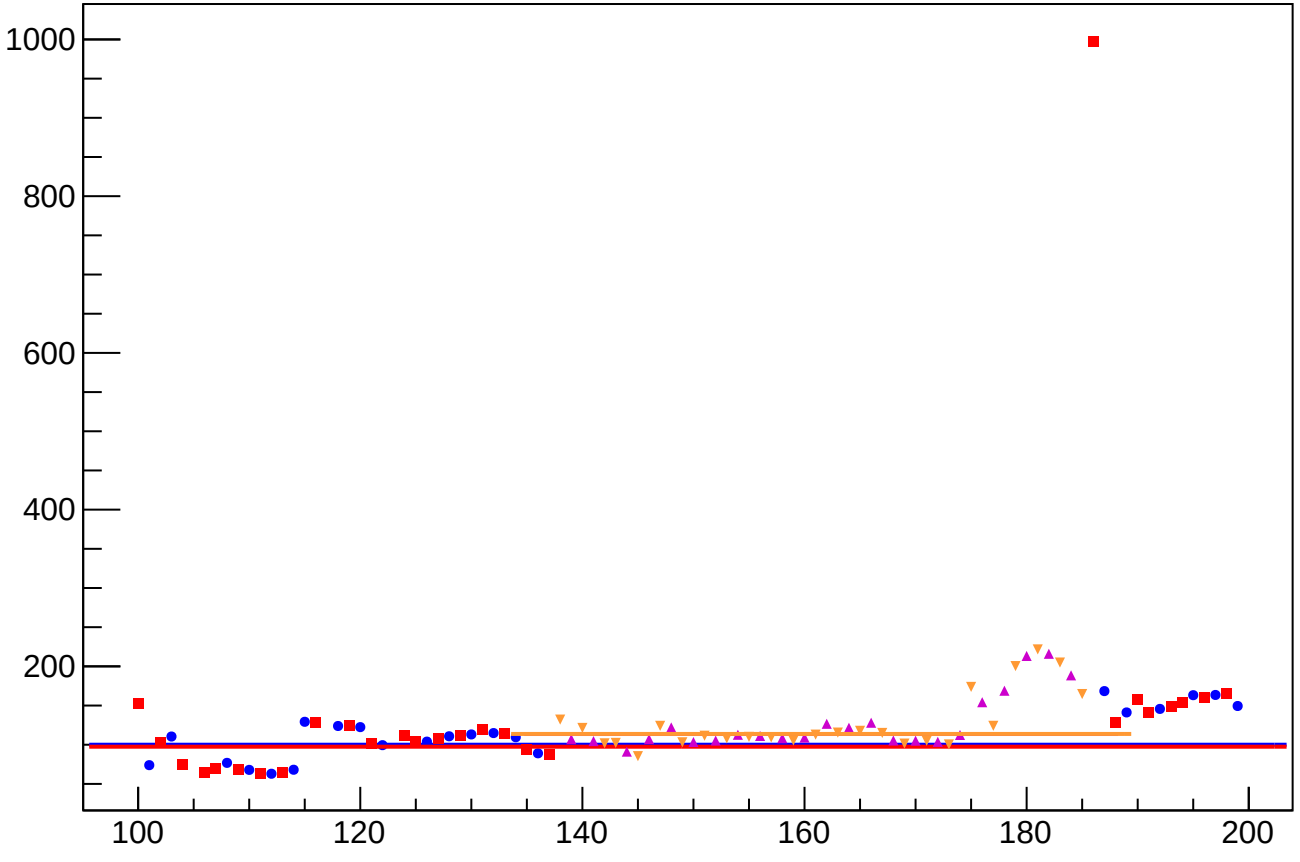
Right: 29.001+/-21.330 χ^2/NDF: 46.4/48

In: 31.282+/-20.511 χ^2/NDF:44.3/44

Out: 40.628+/-19.734 χ^2/NDF:52.1/51

All: 36.136+/-14.221 χ^2/NDF: 96.6/96

dit_asym_sam_1548_avg_rms vs Slug, Sign Corrected



Right In: 100.006+/-0.022 χ^2/NDF: 1983459.3/21

Left Out: 113.766+/-0.019 χ^2/NDF:1579920.3/24

Right Out: 97.488+/-0.021 χ^2/NDF: 3038470.8/26

Left In: 113.677+/-0.019 χ^2/NDF:1316044.6/22

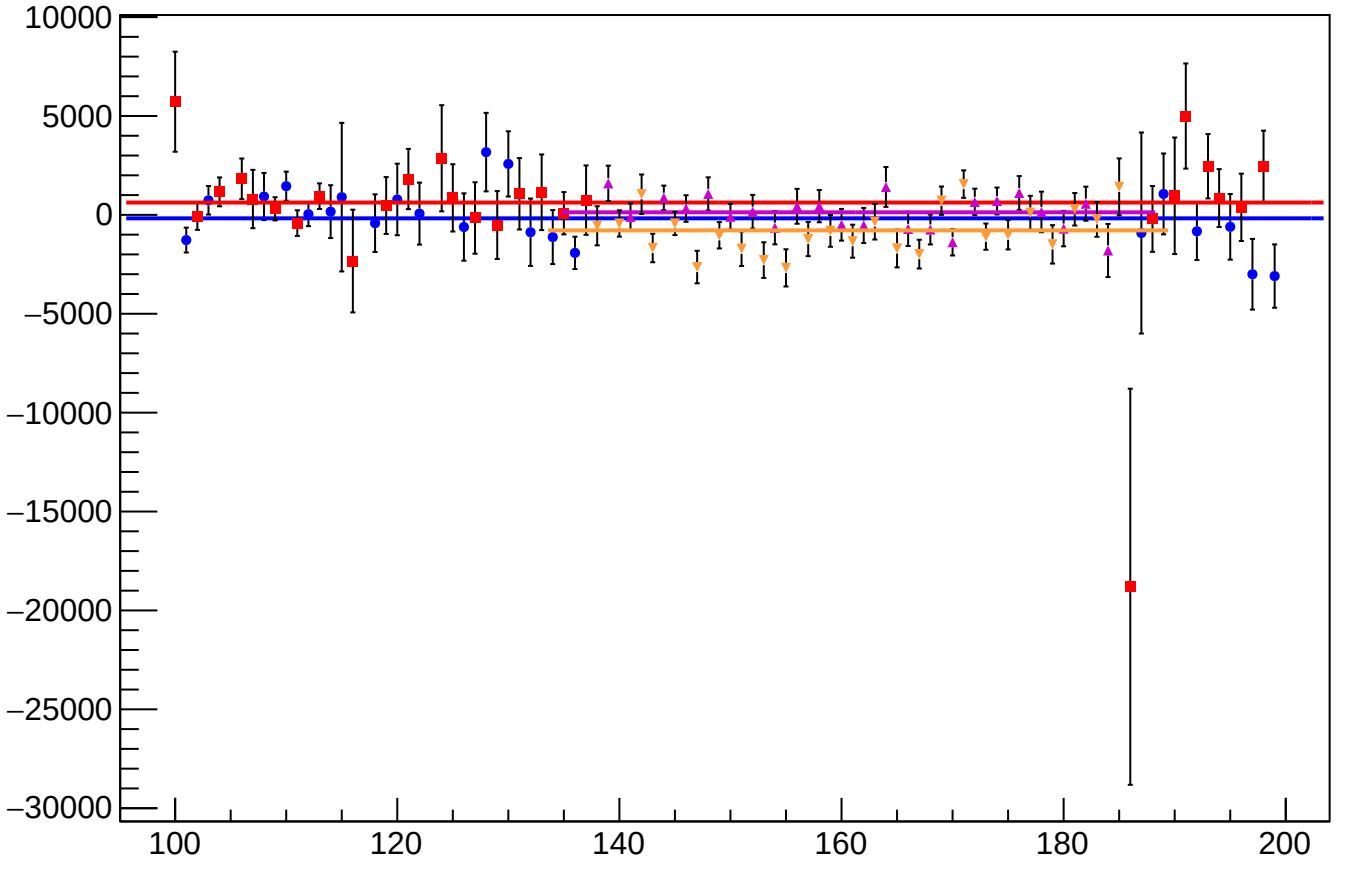
Left: 113.723+/-0.013 χ^2/NDF: 2895975.8/47

Right: 98.678+/-0.015 χ^2/NDF: 5028879.4/48

In: 107.701+/-0.015 χ^2/NDF:3518095.4/44

Out: 106.418+/-0.014 χ^2/NDF:4955387.2/51

All: 107.035+/-0.010 χ^2/NDF: 8477546.0/96



Right In: -175.354+/-244.856 χ^2/NDF: 28.4/21

Left Out: -784.286+/-160.482 χ^2/NDF:45.4/24

Right Out: 623.096+/-227.598 χ^2/NDF: 22.8/26

Left In: 128.155+/-165.255 χ^2/NDF:22.7/22

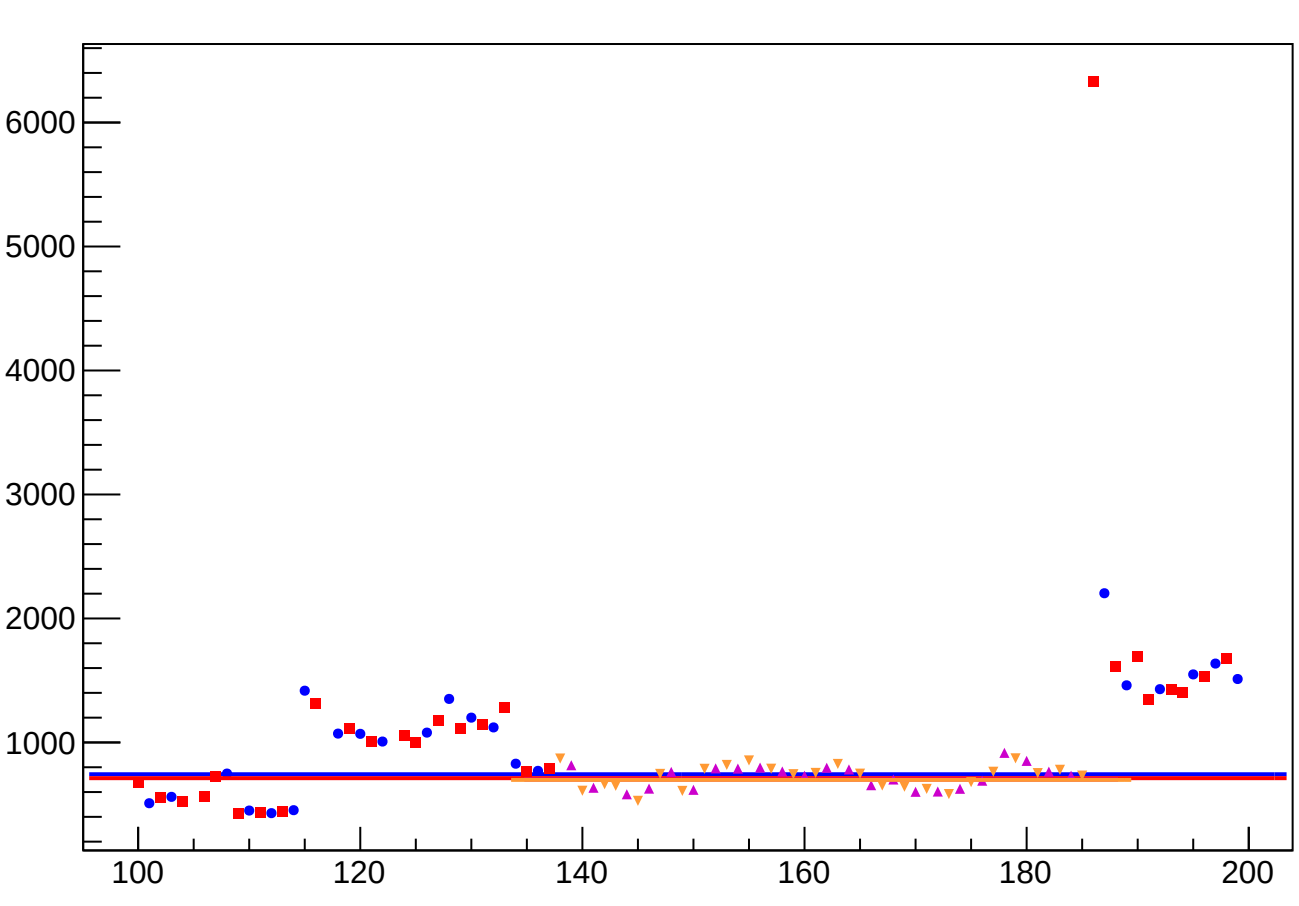
Left: -341.434+/-115.128 χ^2/NDF: 83.8/47

Right: 252.998+/-166.704 χ^2/NDF: 56.9/48

In: 33.172+/-136.977 χ^2/NDF:52.2/44

Out: -316.926+/-131.156 χ^2/NDF:93.8/51

All: -149.475+/-94.733 χ^2/NDF: 149.3/96



Right In: 743.517+/-0.173 χ^2/NDF: 4448923.6/21

Left Out: 698.237+/-0.113 χ^2/NDF:714686.8/24

Right Out: 711.962+/-0.161 χ^2/NDF: 5837181.4/26

Left In: 700.079+/-0.117 χ^2/NDF:584318.7/22

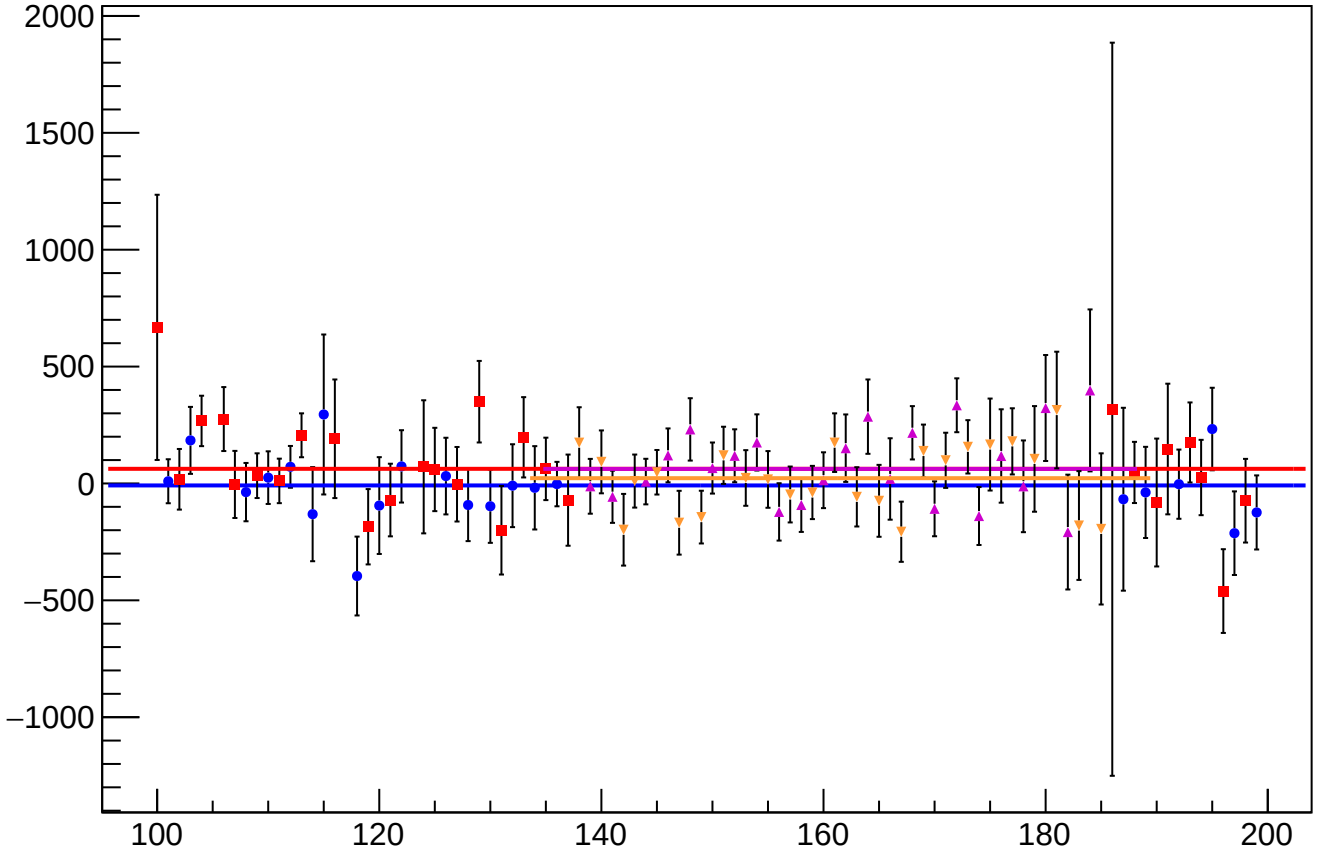
Left: 699.131+/-0.081 χ^2/NDF: 1299133.4/47

Right: 726.588+/-0.118 χ^2/NDF: 10303924.3/48

In: 713.673+/-0.097 χ^2/NDF:5076486.8/44

Out: 702.795+/-0.093 χ^2/NDF:6556726.2/51

All: 707.998+/-0.067 χ^2/NDF: 11639793.6/96



Right In: -8.492+/-31.024 χ^2/NDF: 14.1/21

Left Out: 22.544+/-26.643 χ^2/NDF:21.6/24

Right Out: 62.610+/-29.373 χ^2/NDF: 29.5/26

Left In: 62.169+/-27.339 χ^2/NDF:27.3/22

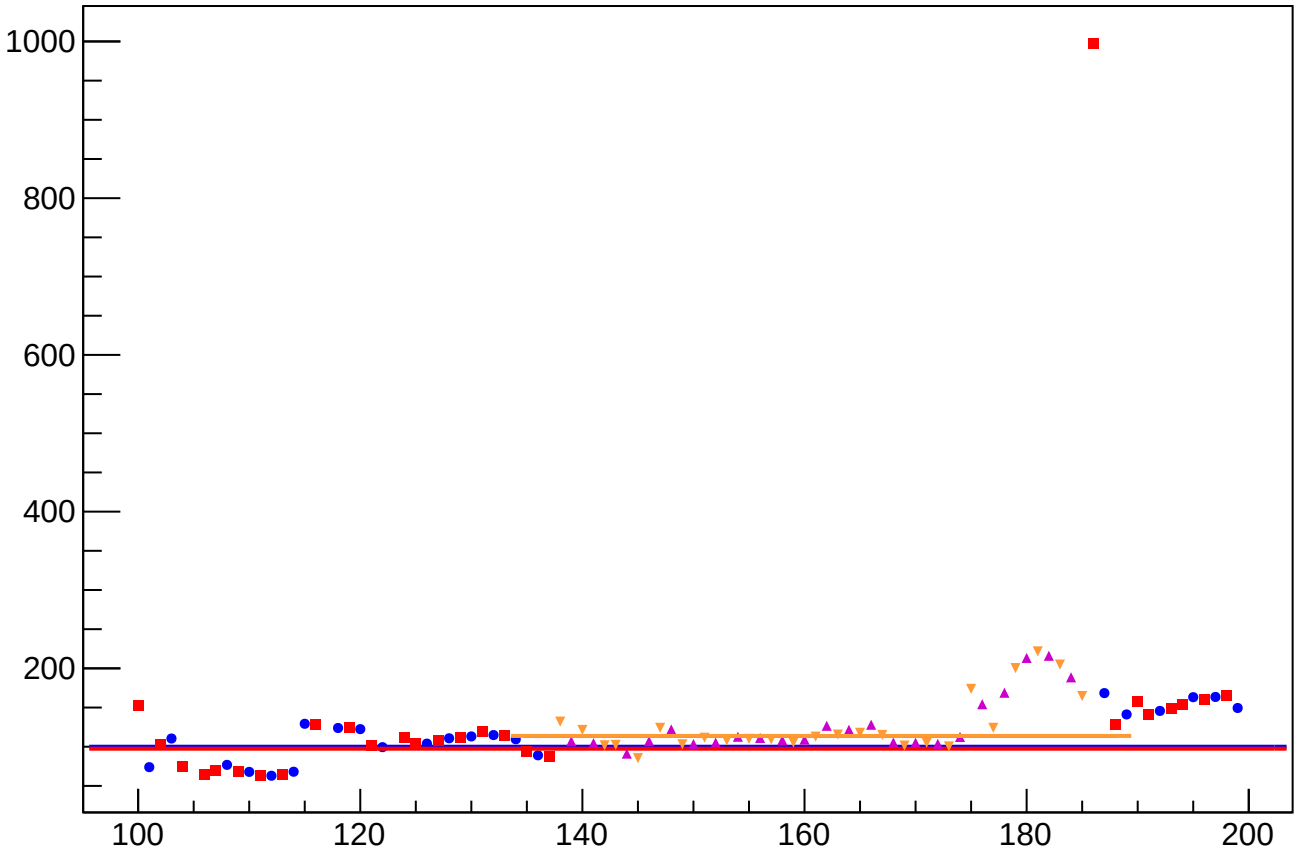
Left: 41.846+/-19.081 χ^2/NDF: 50.0/47

Right: 29.002+/-21.330 χ^2/NDF: 46.4/48

In: 31.283+/-20.511 χ^2/NDF:44.3/44

Out: 40.629+/-19.734 χ^2/NDF:52.1/51

All: 36.136+/-14.221 χ^2/NDF: 96.6/96



Right In: 100.006+/-0.022 χ^2/NDF: 1983451.4/21

Left Out: 113.766+/-0.019 χ^2/NDF:1579910.8/24

Right Out: 97.488+/-0.021 χ^2/NDF: 3038470.1/26

Left In: 113.677+/-0.019 χ^2/NDF:1316023.5/22

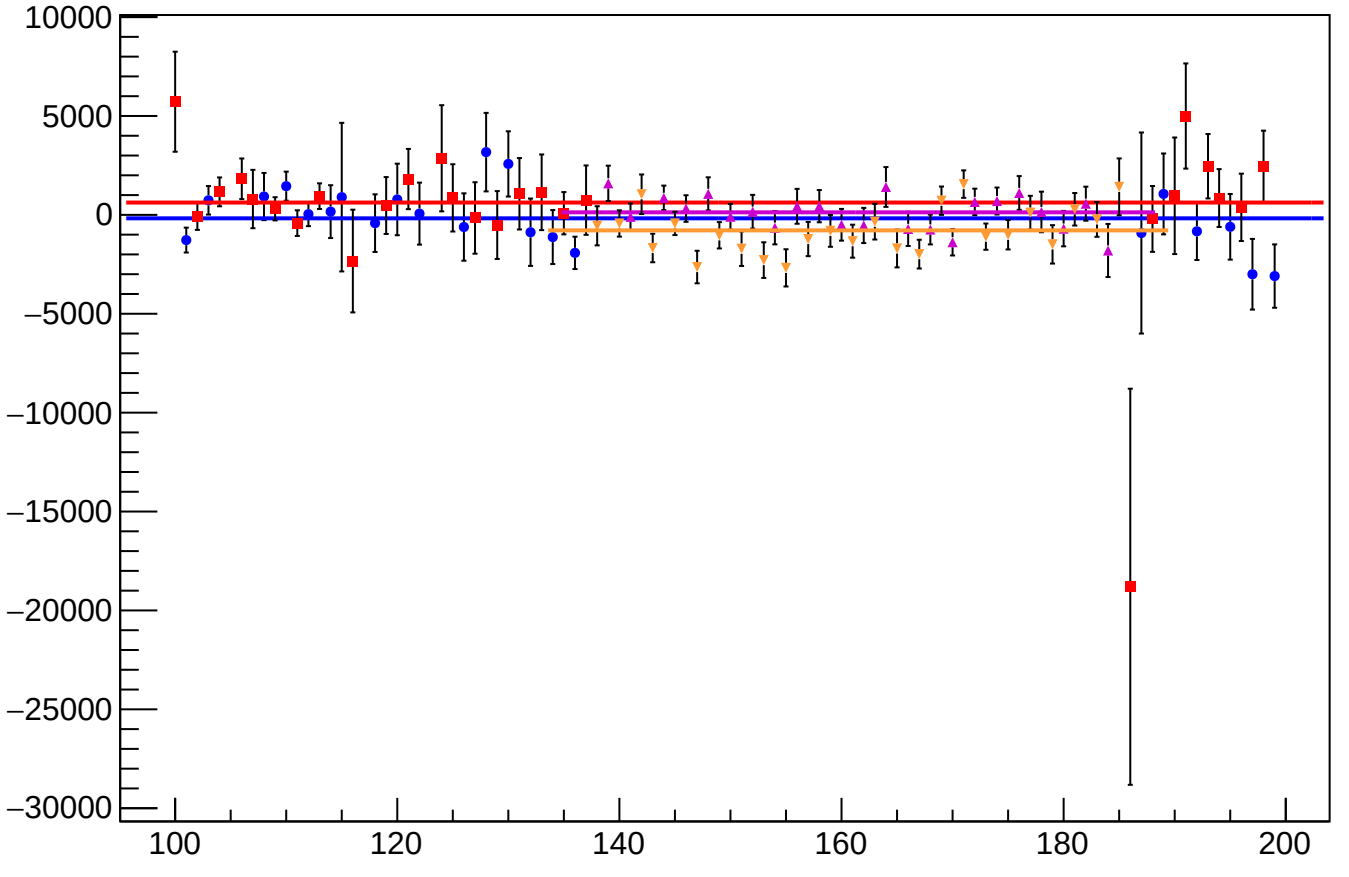
Left: 113.723+/-0.013 χ^2/NDF: 2895945.2/47

Right: 98.678+/-0.015 χ^2/NDF: 5028870.9/48

In: 107.701+/-0.015 χ^2/NDF:3518072.8/44

Out: 106.418+/-0.014 χ^2/NDF:4955383.6/51

All: 107.035+/-0.010 χ^2/NDF: 8477519.9/96



Right In: -175.354+/-244.856 χ^2/NDF: 28.4/21

Left Out: -784.284+/-160.482 χ^2/NDF:45.4/24

Right Out: 623.095+/-227.598 χ^2/NDF: 22.8/26

Left In: 128.154+/-165.255 χ^2/NDF:22.7/22

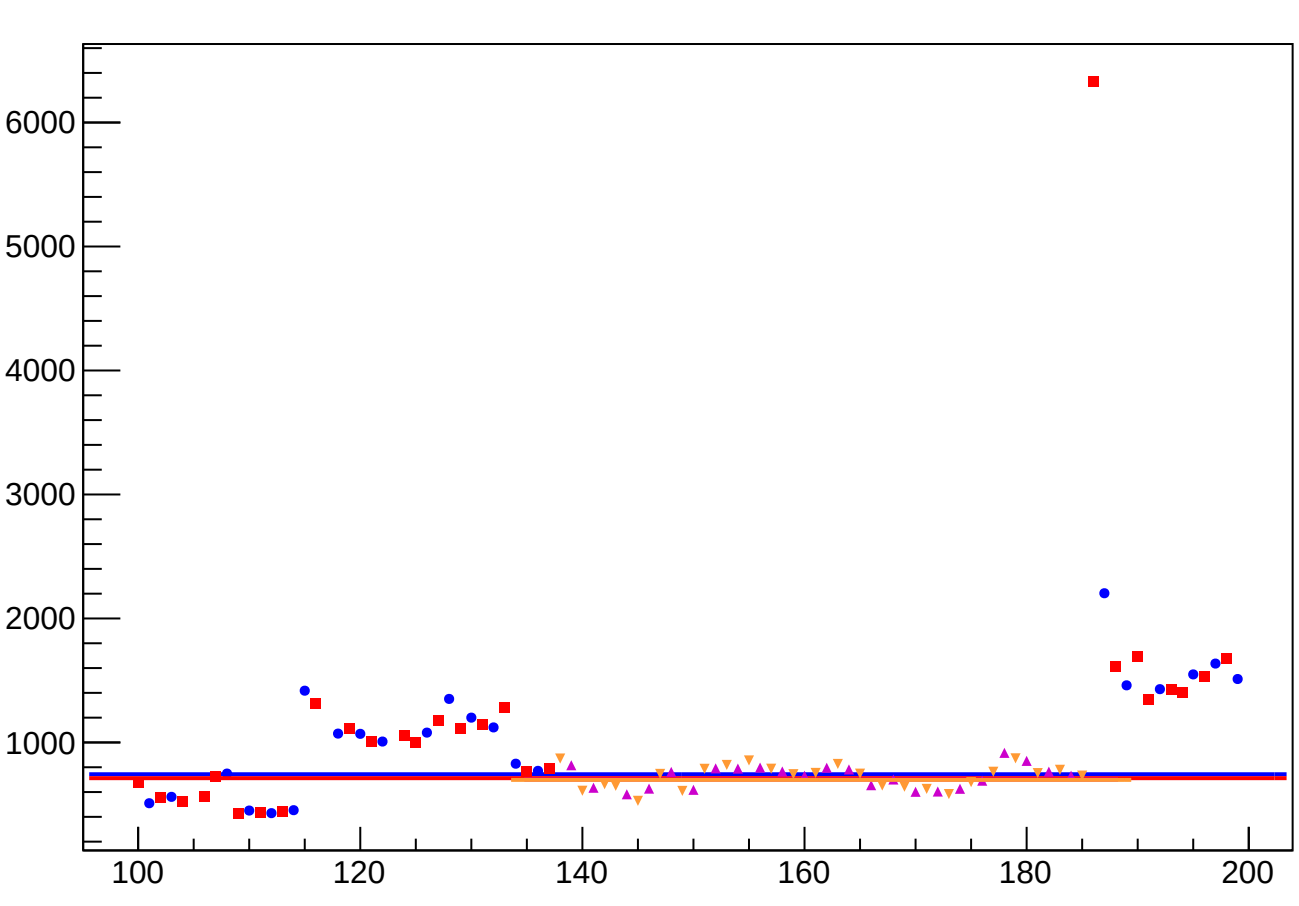
Left: -341.433+/-115.128 χ^2/NDF: 83.8/47

Right: 252.998+/-166.704 χ^2/NDF: 56.9/48

In: 33.171+/-136.977 χ^2/NDF:52.2/44

Out: -316.925+/-131.156 χ^2/NDF:93.8/51

All: -149.474+/-94.732 χ^2/NDF: 149.3/96



Right In: 743.516+/-0.173 χ^2/NDF: 4448925.9/21

Left Out: 698.236+/-0.113 χ^2/NDF:714685.1/24

Right Out: 711.961+/-0.161 χ^2/NDF: 5837179.0/26

Left In: 700.079+/-0.117 χ^2/NDF:584314.1/22

Left: 699.130+/-0.081 χ^2/NDF: 1299127.2/47

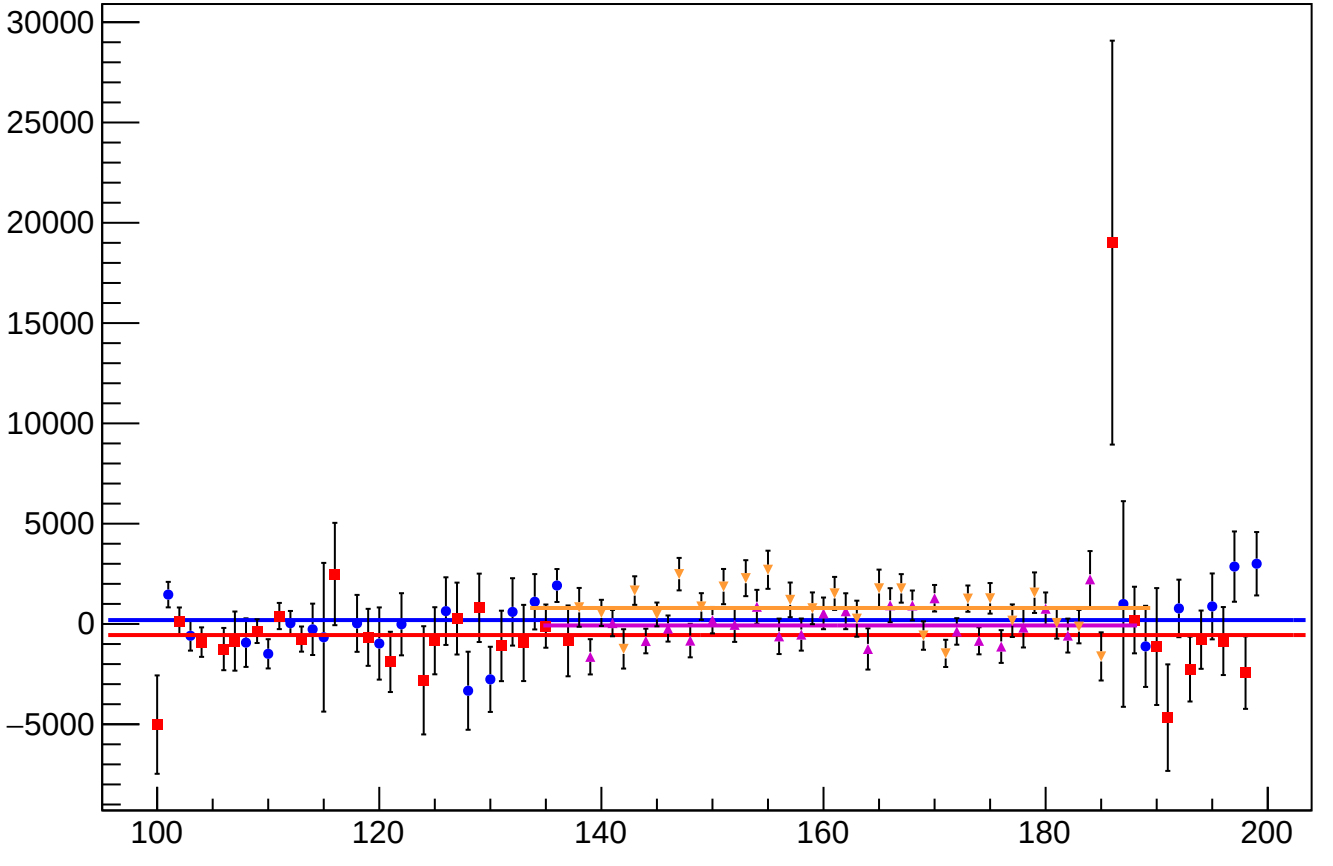
Right: 726.588+/-0.118 χ^2/NDF: 10303924.1/48

In: 713.672+/-0.097 χ^2/NDF:5076484.1/44

Out: 702.794+/-0.093 χ^2/NDF:6556722.1/51

All: 707.997+/-0.067 χ^2/NDF: 11639786.9/96

asym_sam_1548_avg_mean vs Slug, Sign Corrected



Right In: 194.152+/-244.840 χ^2/NDF: 29.8/21

Left Out: 796.905+/-158.142 χ^2/NDF:46.4/24

Right Out: -552.507+/-227.368 χ^2/NDF: 20.1/26

Left In: -73.501+/-162.879 χ^2/NDF:24.9/22

Left: 374.544+/-113.461 χ^2/NDF: 86.0/47

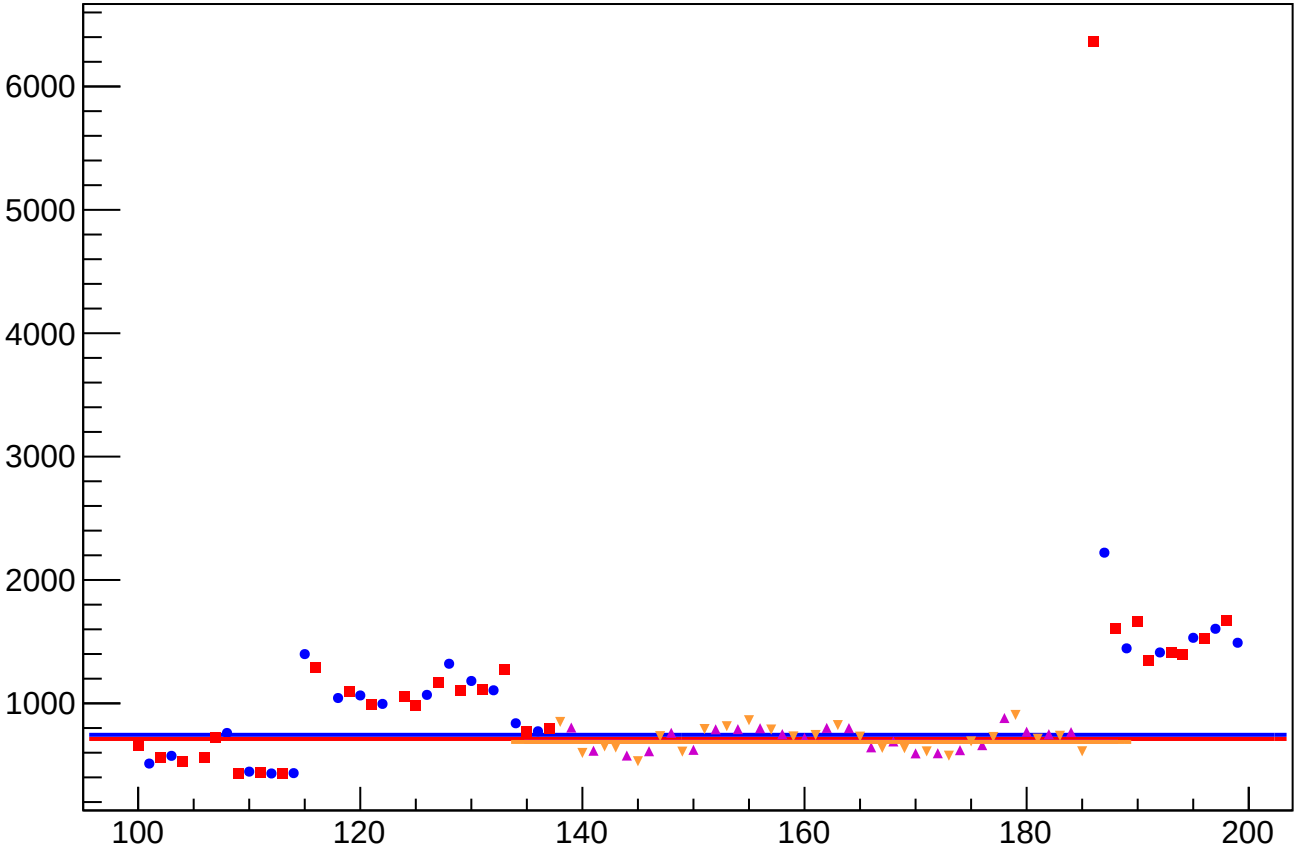
Right: -206.767+/-166.608 χ^2/NDF: 54.9/48

In: 8.611+/-135.613 χ^2/NDF:55.5/44

Out: 356.943+/-129.827 χ^2/NDF:90.2/51

All: 190.366+/-93.780 χ^2/NDF: 149.2/96

asym_sam_1548_avg_rms vs Slug, Sign Corrected



Right In: 745.069+/-0.173 χ^2/NDF: 4343040.7/21

Left Out: 687.243+/-0.112 χ^2/NDF:727994.0/24

Right Out: 711.339+/-0.161 χ^2/NDF: 5781439.8/26

Left In: 689.997+/-0.115 χ^2/NDF:567089.0/22

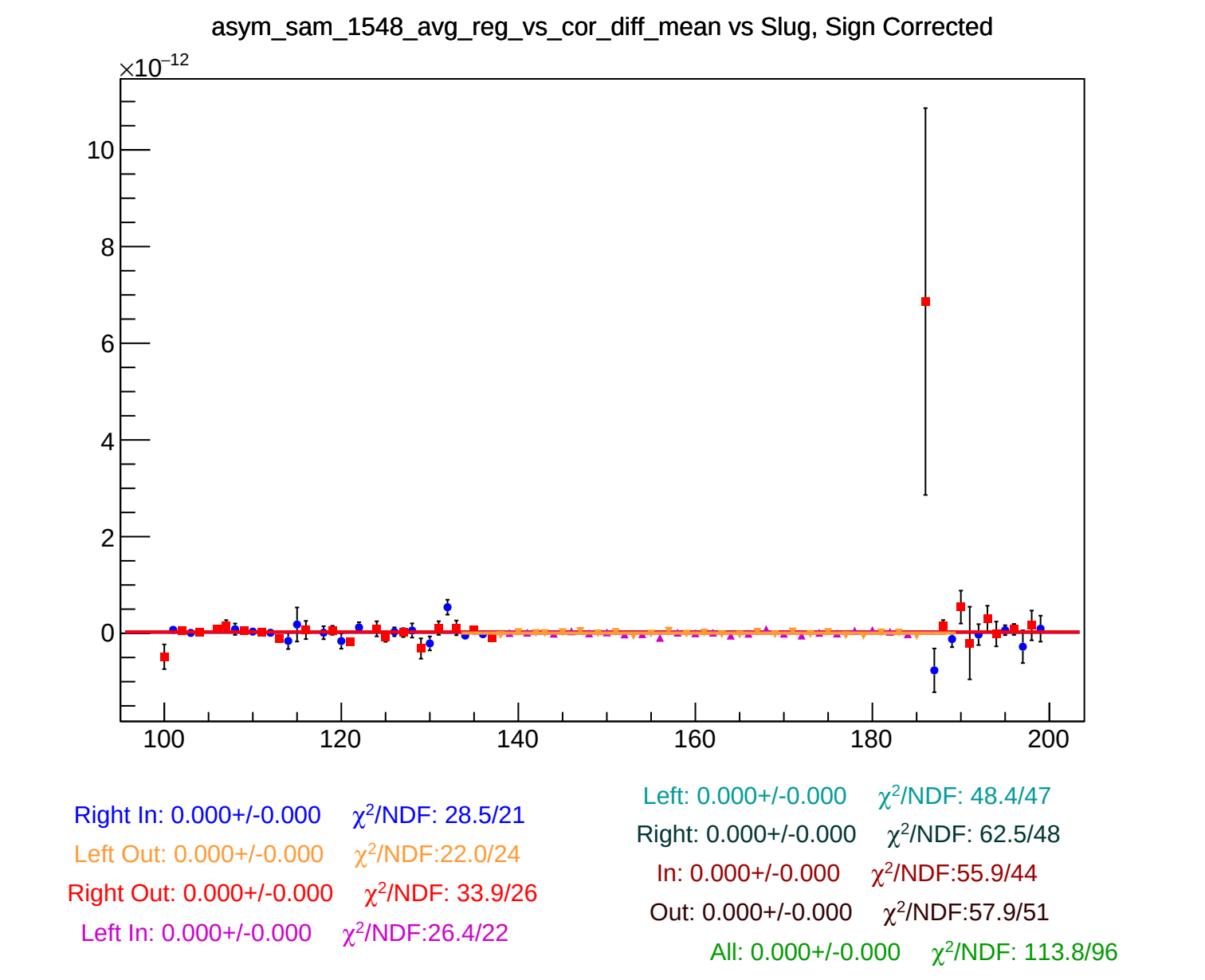
Left: 688.579+/-0.080 χ^2/NDF: 1295377.3/47

Right: 726.958+/-0.118 χ^2/NDF: 10144862.2/48

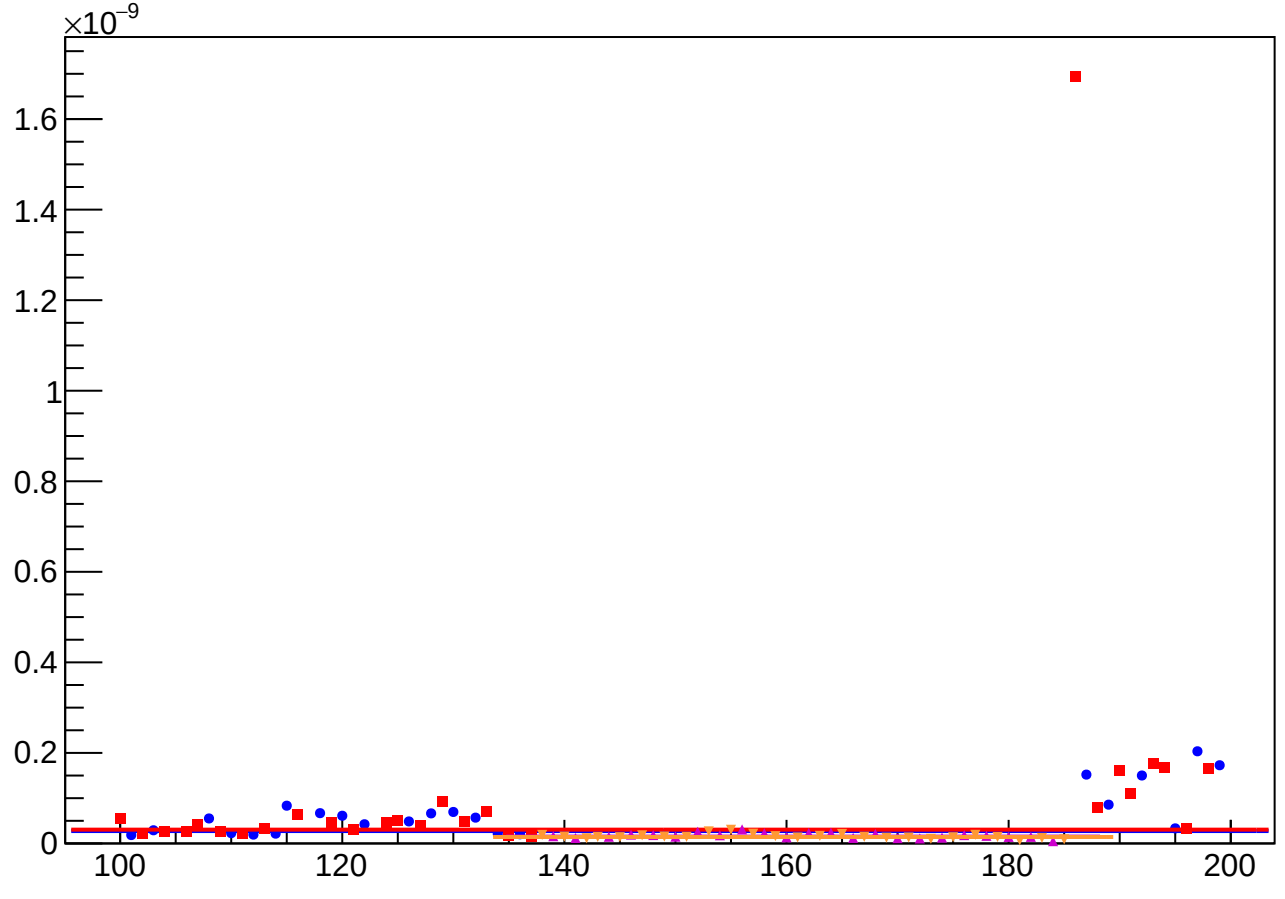
In: 706.892+/-0.096 χ^2/NDF:4980275.7/44

Out: 695.099+/-0.092 χ^2/NDF:6524573.0/51

All: 700.739+/-0.066 χ^2/NDF: 11512740.6/96


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: 28.5/21
Left Out: 0.000+/-0.000 χ²/NDF:22.0/24
Right Out: 0.000+/-0.000 χ²/NDF: 33.9/26
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: 62.5/48
In: 0.000+/-0.000 χ²/NDF:55.9/44
Out: 0.000+/-0.000 χ²/NDF:57.9/51
All: 0.000+/-0.000 χ²/NDF: 113.8/96

asym_sam_1548_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3528187.6/21

Left Out: 0.000+/-0.000 χ^2/NDF:992947.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3645936.5/26

Left In: 0.000+/-0.000 χ^2/NDF:1107168.2/22

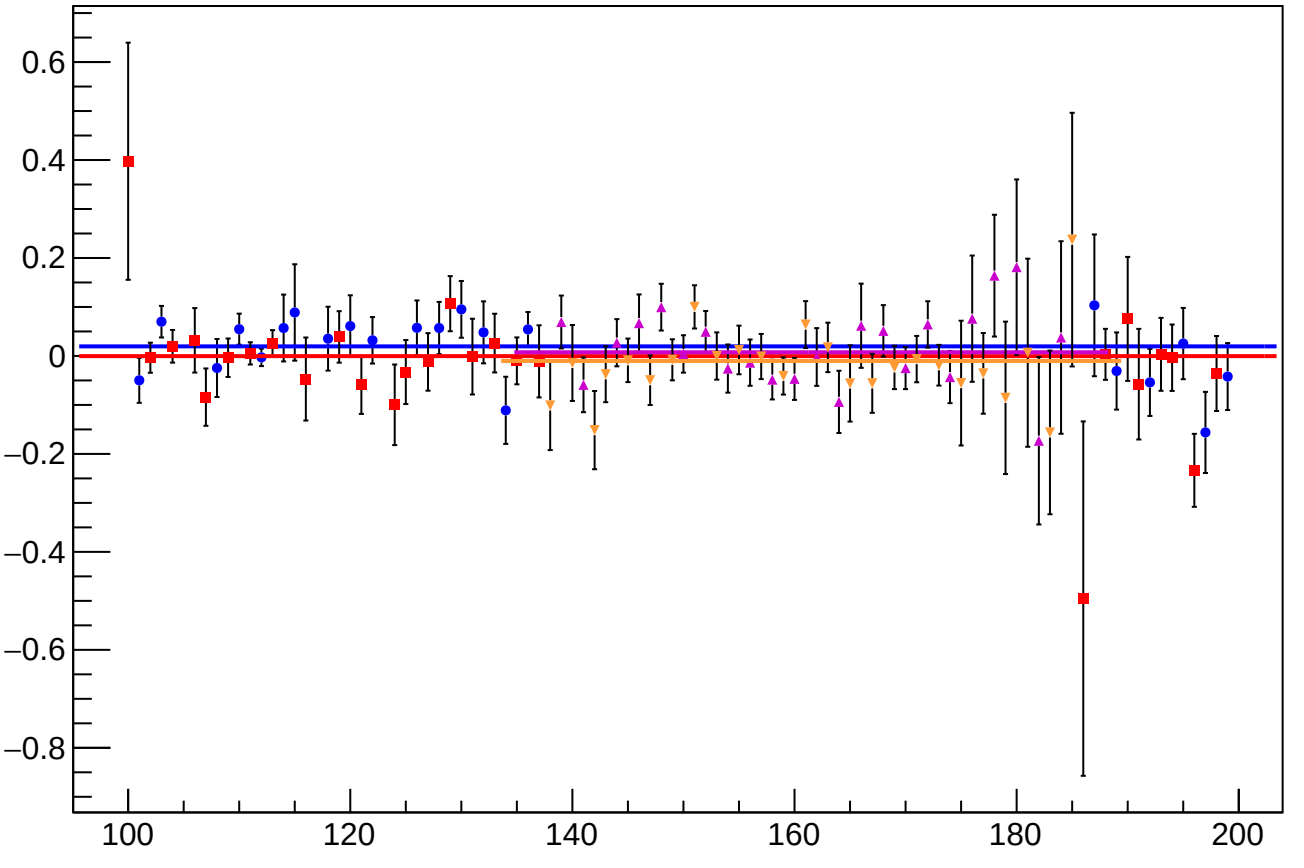
Left: 0.000+/-0.000 χ^2/NDF: 2124302.0/47

Right: 0.000+/-0.000 χ^2/NDF: 7214730.1/48

In: 0.000+/-0.000 χ^2/NDF:5788537.3/44

Out: 0.000+/-0.000 χ^2/NDF:6484870.1/51

All: 0.000+/-0.000 χ^2/NDF: 12297014.3/96



Right In: 0.020+/-0.010 χ^2/NDF: 24.1/21

Left Out: -0.010+/-0.011 χ^2/NDF:18.1/24

Right Out: -0.000+/-0.010 χ^2/NDF: 26.4/26

Left In: 0.008+/-0.011 χ^2/NDF:23.3/22

Left: -0.001+/-0.008 χ^2/NDF: 42.6/47

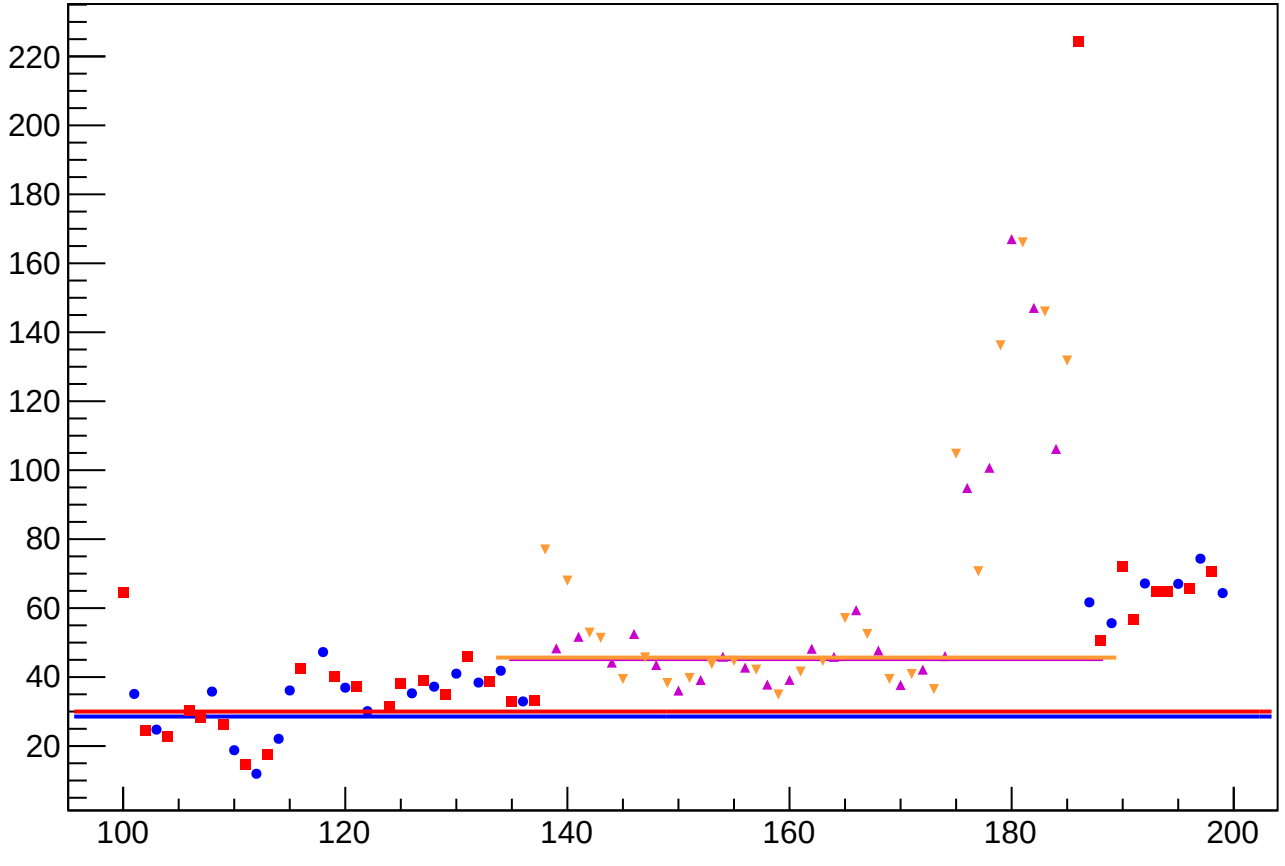
Right: 0.009+/-0.007 χ^2/NDF: 52.5/48

In: 0.014+/-0.007 χ^2/NDF:48.0/44

Out: -0.005+/-0.007 χ^2/NDF:44.9/51

All: 0.005+/-0.005 χ^2/NDF: 96.2/96

asym_sam_1548_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 28.551+/-0.007 χ^2/NDF: 5266104.5/21

Left Out: 45.650+/-0.008 χ^2/NDF:4015230.2/24

Right Out: 29.997+/-0.007 χ^2/NDF: 5184012.1/26

Left In: 45.217+/-0.008 χ^2/NDF:2992534.4/22

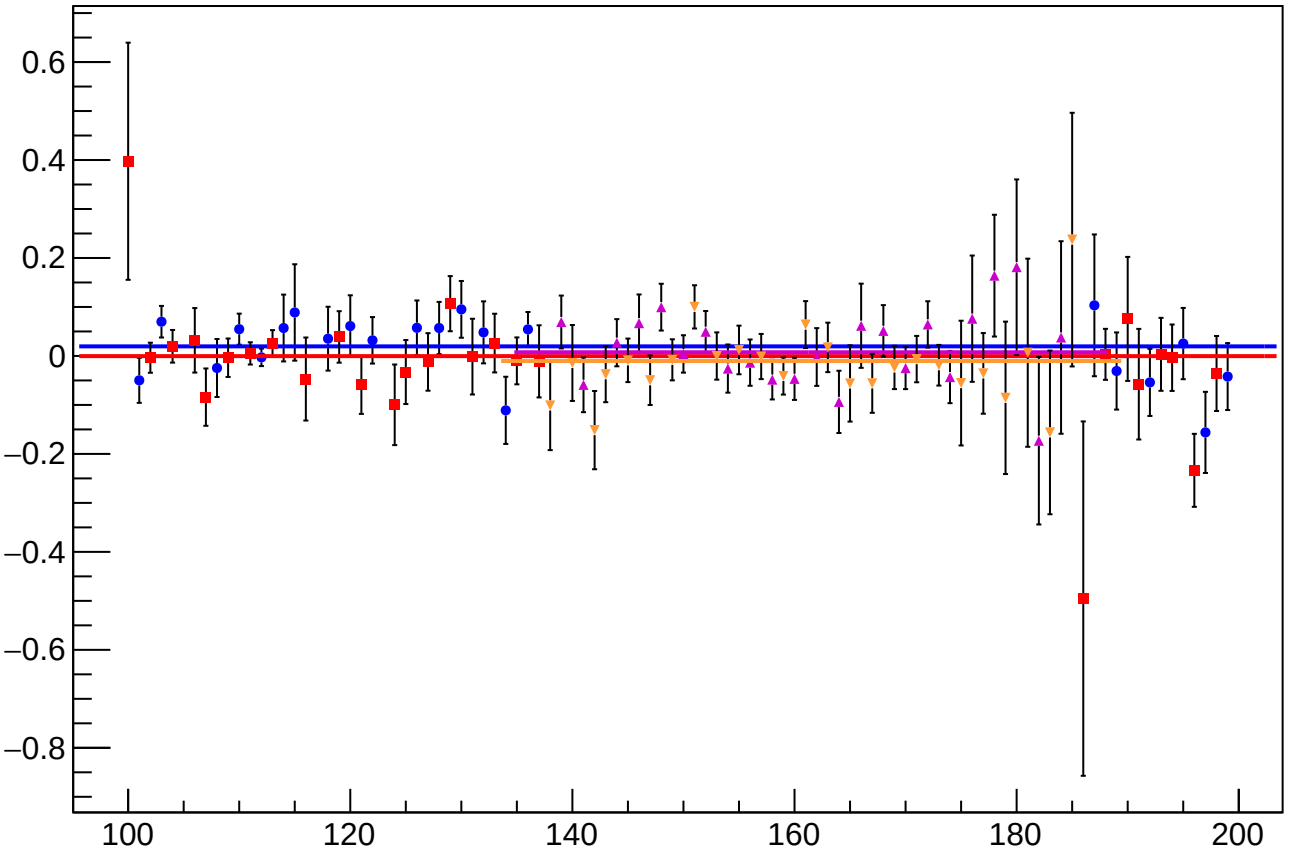
Left: 45.436+/-0.006 χ^2/NDF: 7009219.9/47

Right: 29.285+/-0.005 χ^2/NDF: 10471976.3/48

In: 35.669+/-0.005 χ^2/NDF:10700897.5/44

Out: 36.663+/-0.005 χ^2/NDF:11412296.2/51

All: 36.173+/-0.004 χ^2/NDF: 22131222.2/96



Right In: 0.020+/-0.010 χ^2/NDF: 24.1/21

Left Out: -0.010+/-0.011 χ^2/NDF:18.1/24

Right Out: -0.000+/-0.010 χ^2/NDF: 26.4/26

Left In: 0.008+/-0.011 χ^2/NDF:23.3/22

Left: -0.001+/-0.008 χ^2/NDF: 42.6/47

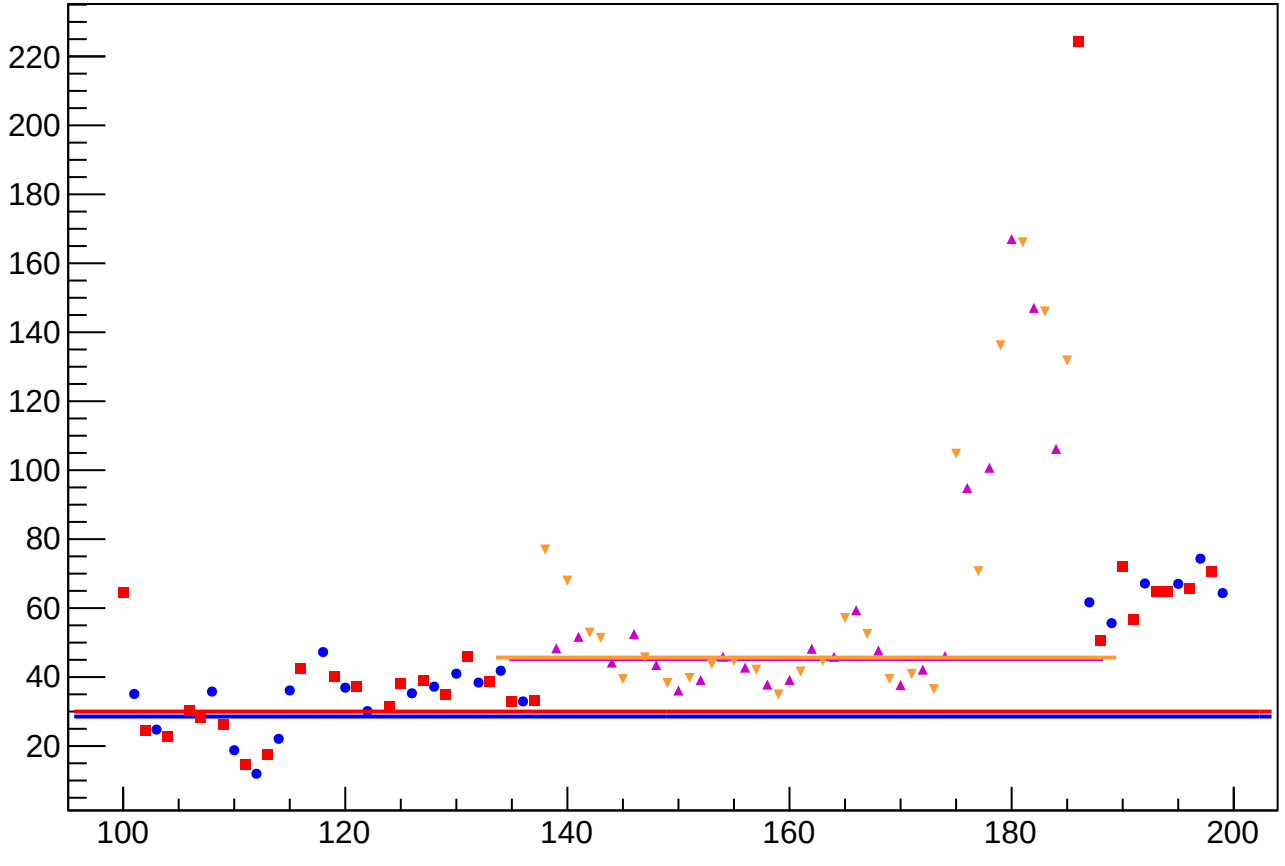
Right: 0.009+/-0.007 χ^2/NDF: 52.5/48

In: 0.014+/-0.007 χ^2/NDF:48.0/44

Out: -0.005+/-0.007 χ^2/NDF:44.9/51

All: 0.005+/-0.005 χ^2/NDF: 96.2/96

asym_sam_1548_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 28.551+/-0.007 χ^2/NDF: 5266104.5/21

Left Out: 45.650+/-0.008 χ^2/NDF:4015230.2/24

Right Out: 29.997+/-0.007 χ^2/NDF: 5184012.1/26

Left In: 45.217+/-0.008 χ^2/NDF:2992534.4/22

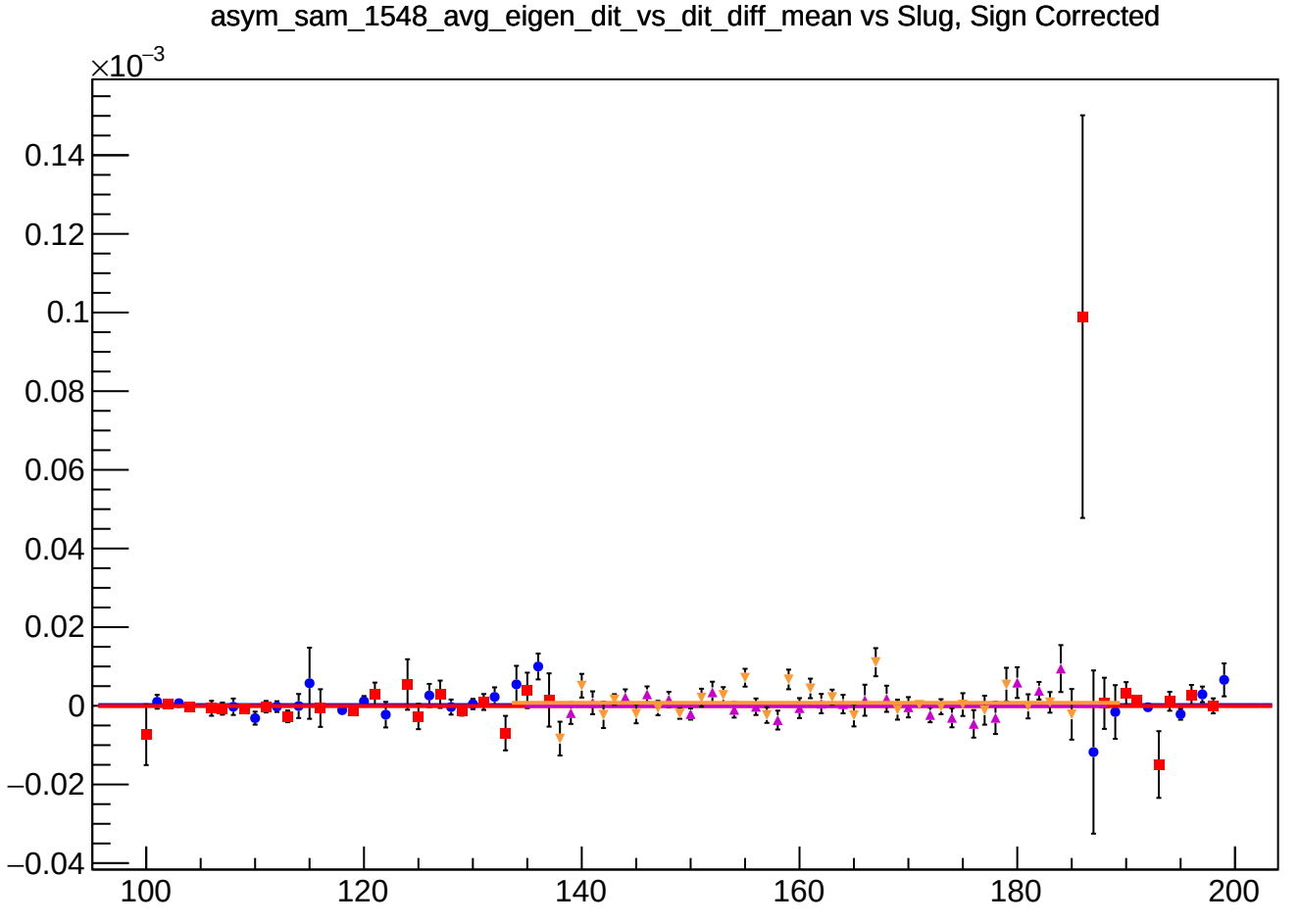
Left: 45.436+/-0.006 χ^2/NDF: 7009219.9/47

Right: 29.285+/-0.005 χ^2/NDF: 10471976.3/48

In: 35.669+/-0.005 χ^2/NDF:10700897.5/44

Out: 36.663+/-0.005 χ^2/NDF:11412296.2/51

All: 36.173+/-0.004 χ^2/NDF: 22131222.2/96



Right In: 0.000+/-0.000 χ^2/NDF: 26.9/21

Left Out: 0.000+/-0.000 χ^2/NDF:46.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 26.6/26

Left In: -0.000+/-0.000 χ^2/NDF:24.5/22

Left: 0.000+/-0.000 χ^2/NDF: 72.0/47

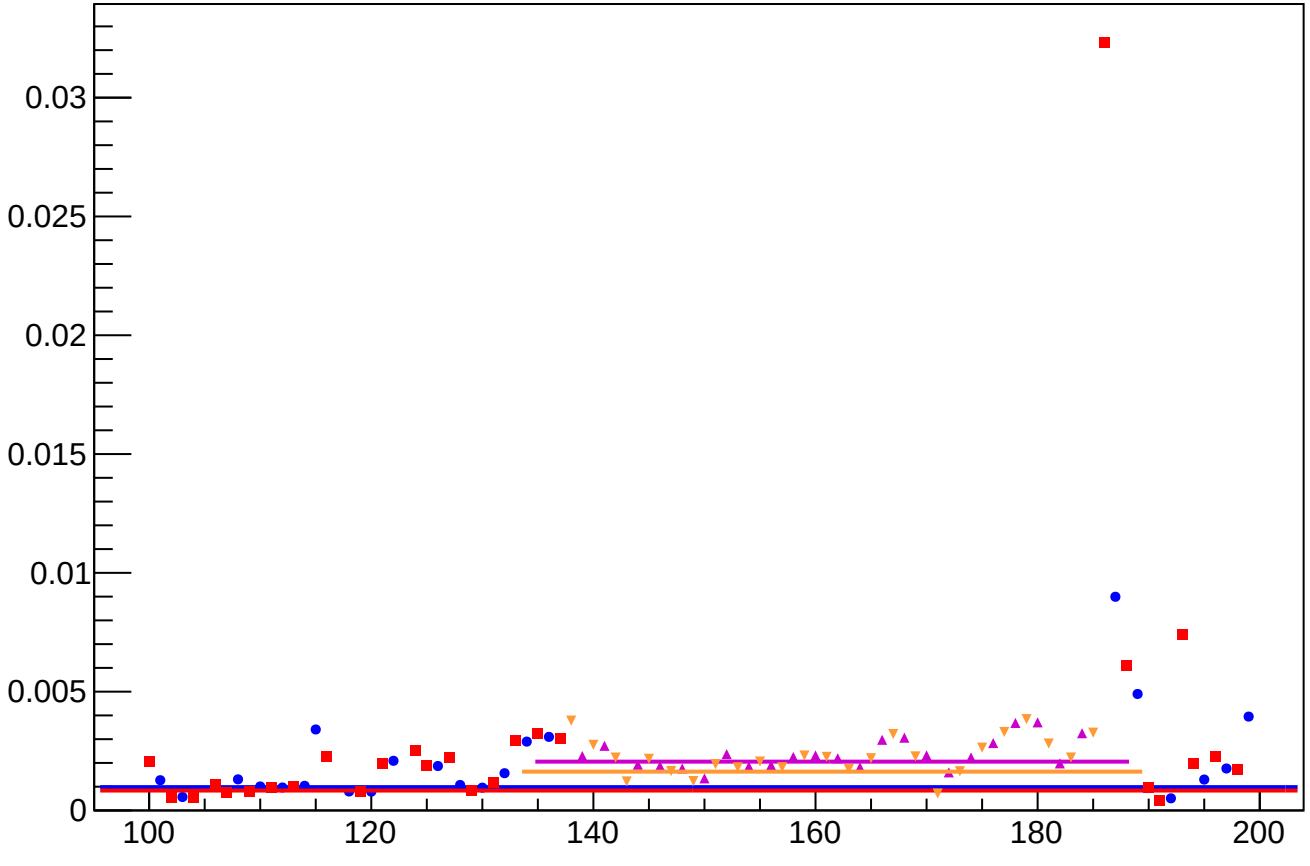
Right: 0.000+/-0.000 χ^2/NDF: 53.8/48

In: 0.000+/-0.000 χ^2/NDF:51.5/44

Out: 0.000+/-0.000 χ^2/NDF:75.4/51

All: 0.000+/-0.000 χ^2/NDF: 126.9/96

asym_sam_1548_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 5432049.6/21

Left Out: 0.002+/-0.000 χ^2/NDF:6495366.7/24

Right Out: 0.001+/-0.000 χ^2/NDF: 8634854.7/26

Left In: 0.002+/-0.000 χ^2/NDF:2093048.8/22

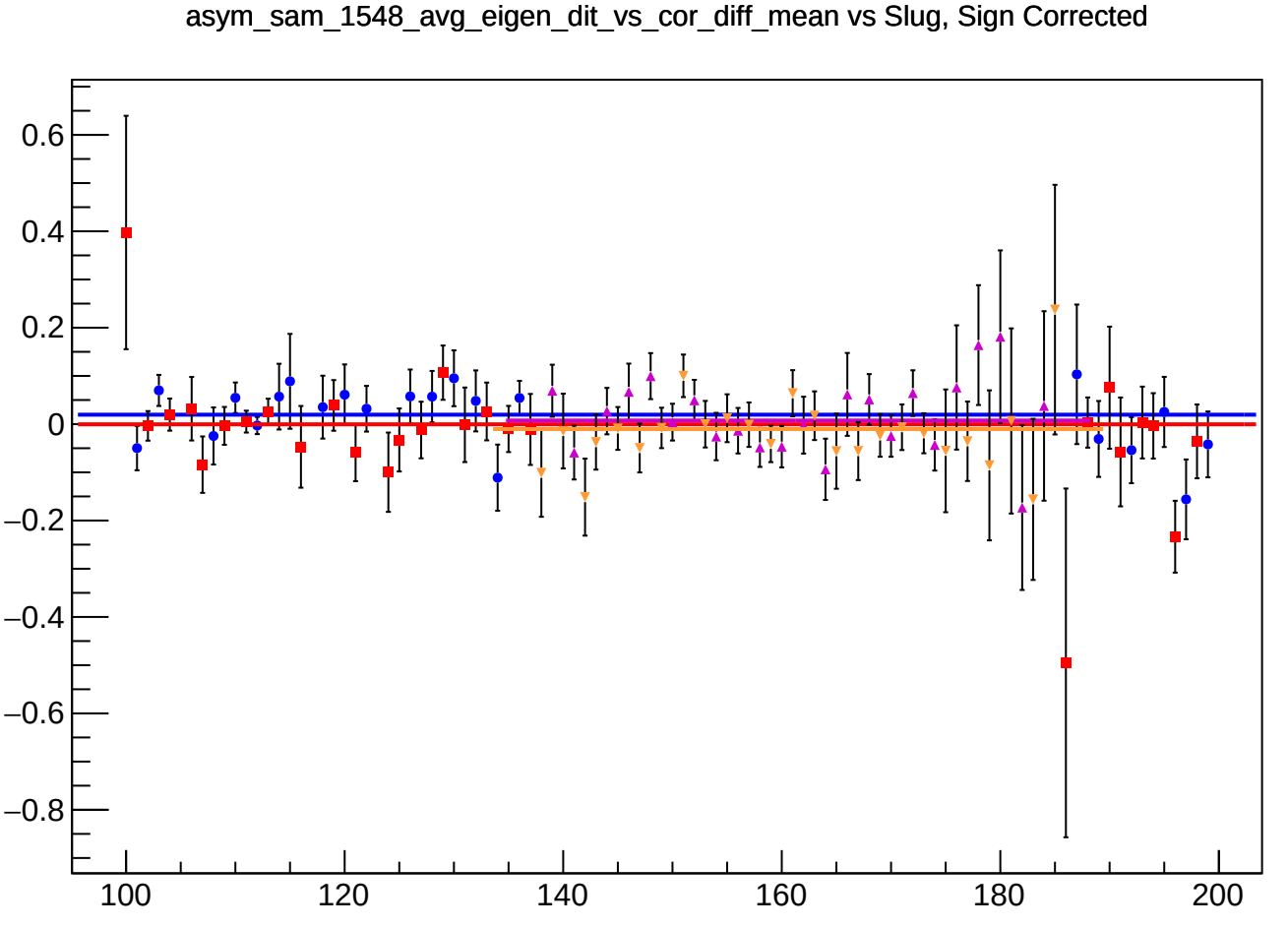
Left: 0.002+/-0.000 χ^2/NDF: 9430299.1/47

Right: 0.001+/-0.000 χ^2/NDF: 14256380.2/48

In: 0.001+/-0.000 χ^2/NDF:13619988.4/44

Out: 0.001+/-0.000 χ^2/NDF:19990220.3/51

All: 0.001+/-0.000 χ^2/NDF: 34312287.2/96



Right In: 0.020+/-0.010 χ^2/NDF: 24.1/21

Left Out: -0.010+/-0.011 χ^2/NDF:18.1/24

Right Out: -0.000+/-0.010 χ^2/NDF: 26.4/26

Left In: 0.008+/-0.011 χ^2/NDF:23.3/22

Left: -0.001+/-0.008 χ^2/NDF: 42.6/47

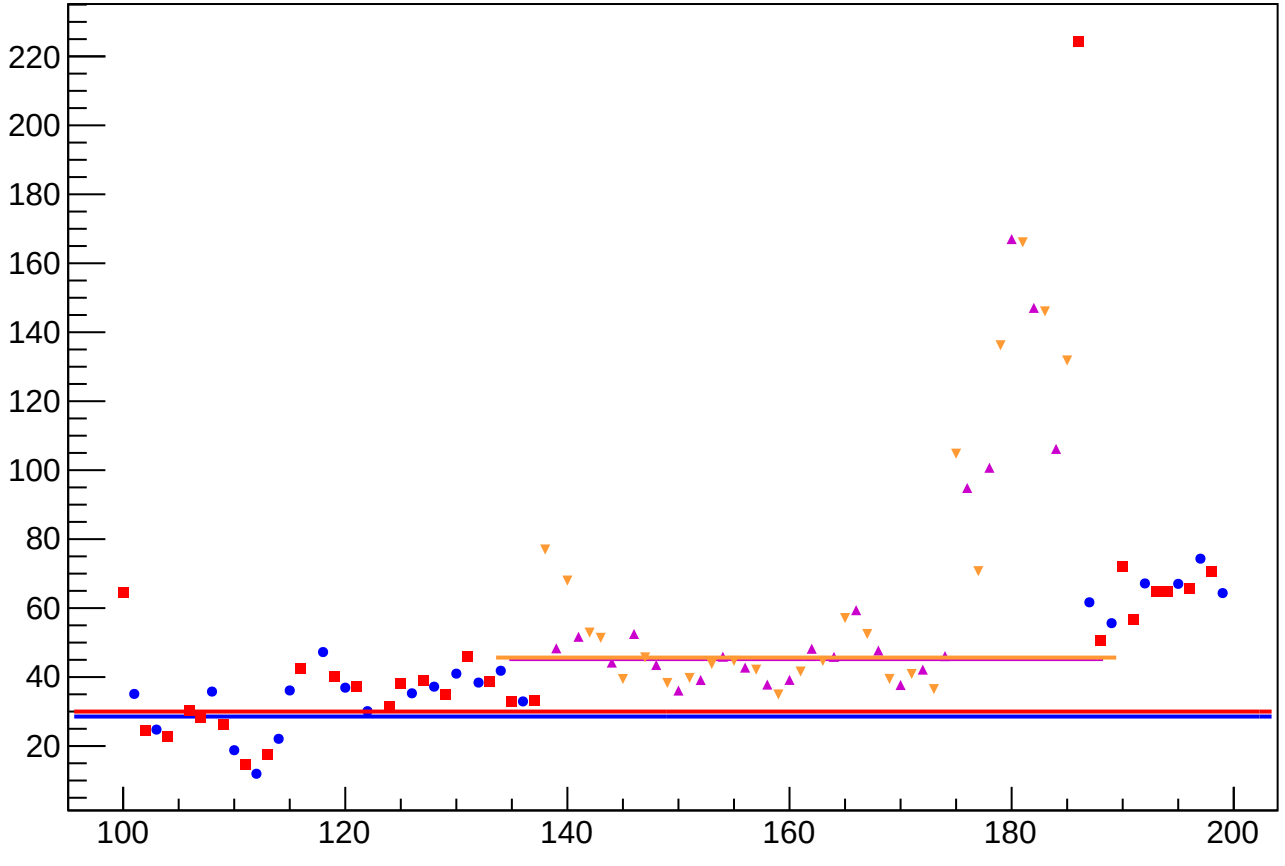
Right: 0.009+/-0.007 χ^2/NDF: 52.5/48

In: 0.014+/-0.007 χ^2/NDF:48.0/44

Out: -0.005+/-0.007 χ^2/NDF:44.9/51

All: 0.005+/-0.005 χ^2/NDF: 96.2/96

asym_sam_1548_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 28.550+/-0.007 χ^2/NDF: 5266330.6/21

Left Out: 45.651+/-0.008 χ^2/NDF:4015154.4/24

Right Out: 29.997+/-0.007 χ^2/NDF: 5184211.4/26

Left In: 45.218+/-0.008 χ^2/NDF:2992449.1/22

Left: 45.437+/-0.006 χ^2/NDF: 7009058.4/47

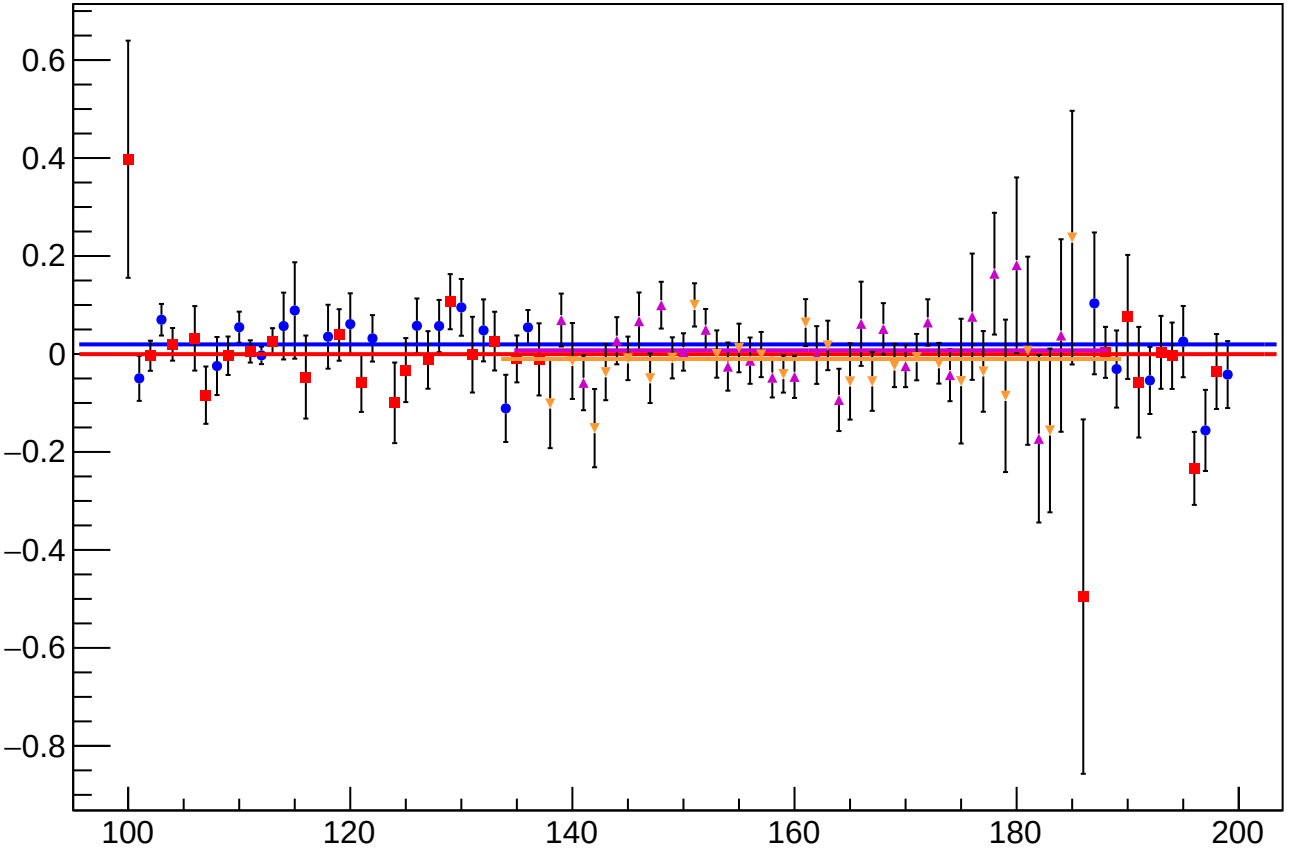
Right: 29.284+/-0.005 χ^2/NDF: 10472407.2/48

In: 35.668+/-0.005 χ^2/NDF:10701349.3/44

Out: 36.663+/-0.005 χ^2/NDF:11412651.8/51

All: 36.173+/-0.004 χ^2/NDF: 22132034.6/96

asym_sam_1548_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.020+/-0.010 χ^2/NDF: 24.1/21

Left Out: -0.010+/-0.011 χ^2/NDF:18.1/24

Right Out: -0.000+/-0.010 χ^2/NDF: 26.4/26

Left In: 0.008+/-0.011 χ^2/NDF:23.3/22

Left: -0.001+/-0.008 χ^2/NDF: 42.6/47

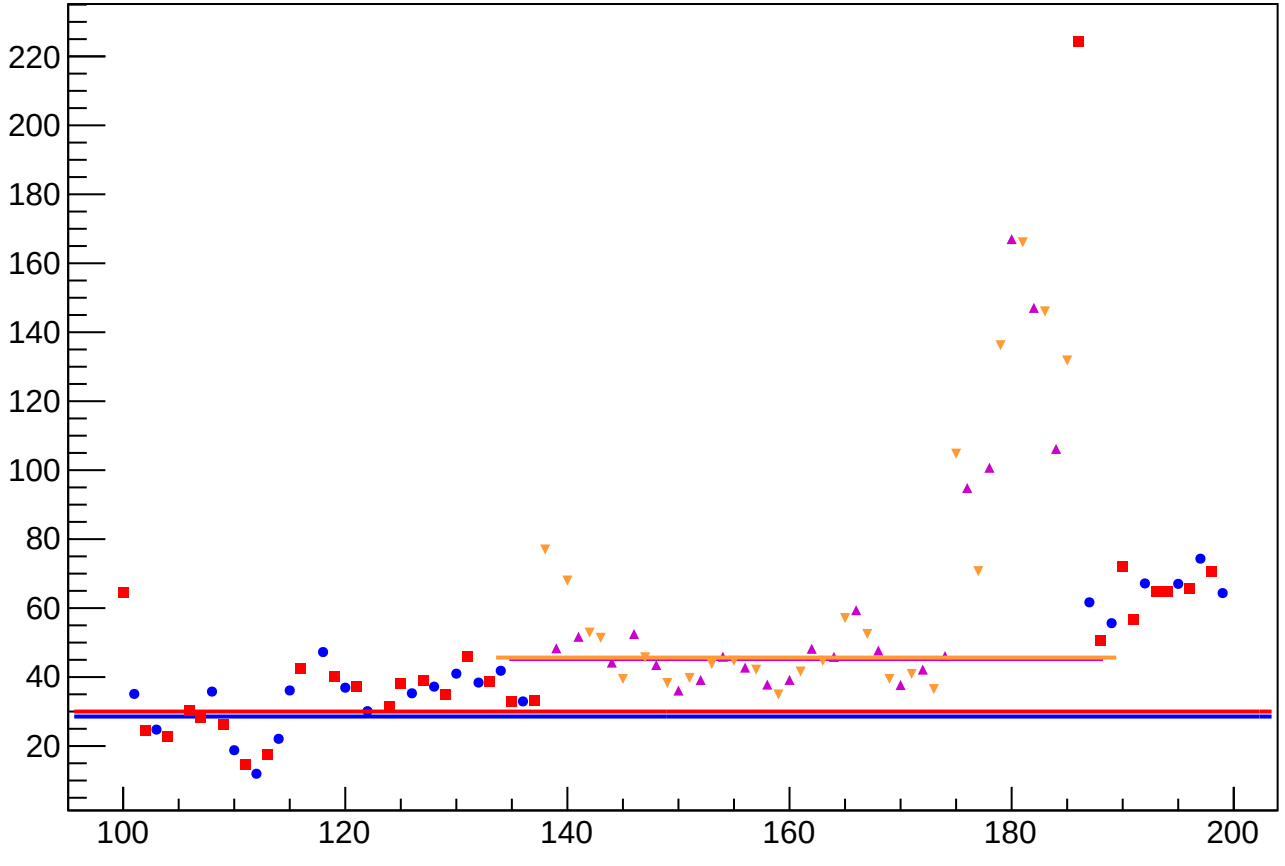
Right: 0.009+/-0.007 χ^2/NDF: 52.5/48

In: 0.014+/-0.007 χ^2/NDF:48.0/44

Out: -0.005+/-0.007 χ^2/NDF:44.9/51

All: 0.005+/-0.005 χ^2/NDF: 96.2/96

asym_sam_1548_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 28.550+/-0.007 χ^2/NDF: 5266330.6/21

Left Out: 45.651+/-0.008 χ^2/NDF:4015154.4/24

Right Out: 29.997+/-0.007 χ^2/NDF: 5184211.4/26

Left In: 45.218+/-0.008 χ^2/NDF:2992449.1/22

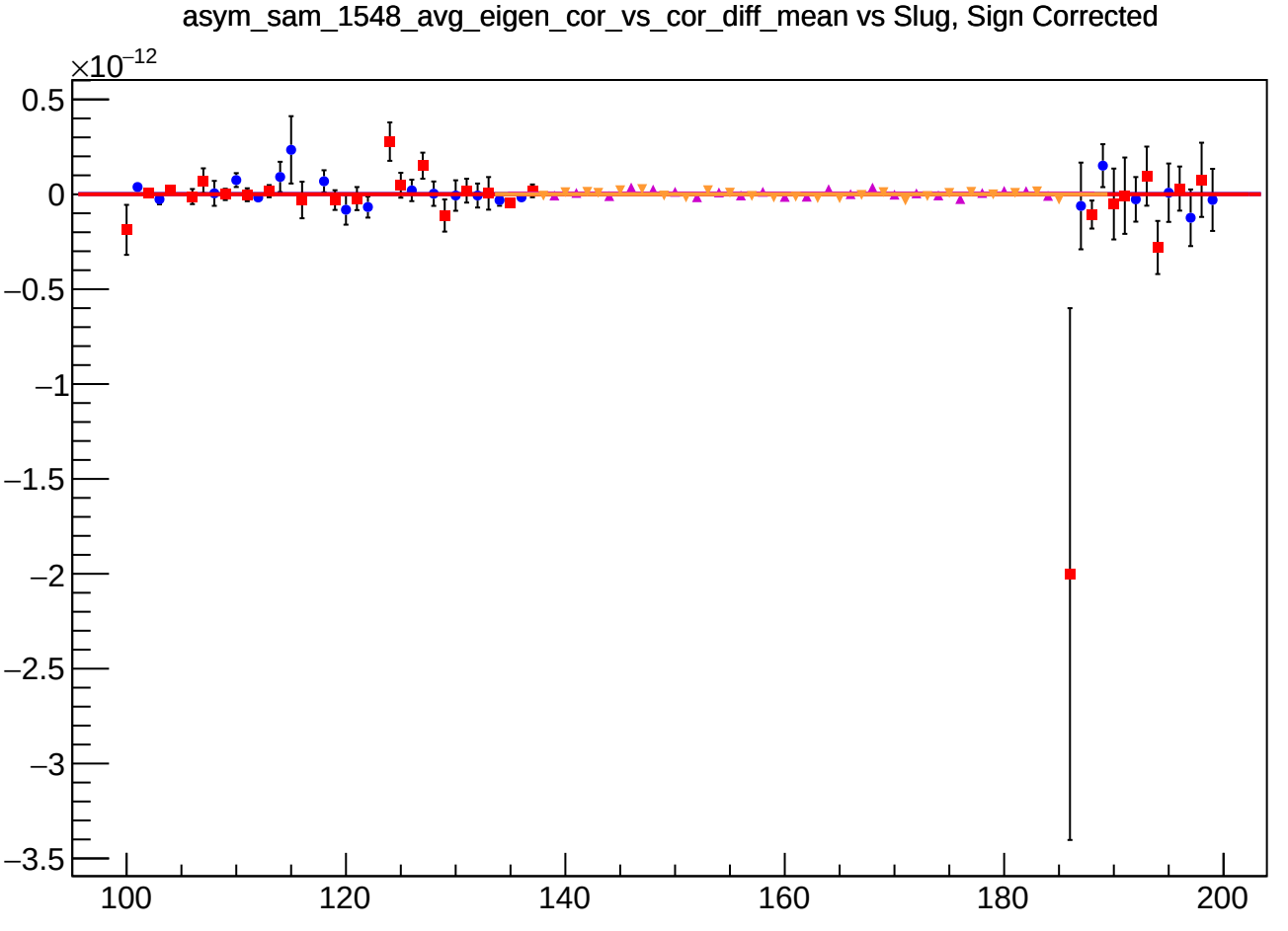
Left: 45.437+/-0.006 χ^2/NDF: 7009058.4/47

Right: 29.284+/-0.005 χ^2/NDF: 10472407.2/48

In: 35.668+/-0.005 χ^2/NDF:10701349.3/44

Out: 36.663+/-0.005 χ^2/NDF:11412651.8/51

All: 36.173+/-0.004 χ^2/NDF: 22132034.6/96



Right In: 0.000+/-0.000 χ^2/NDF: 21.3/21

Left Out: 0.000+/-0.000 χ^2/NDF:25.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 32.4/26

Left In: 0.000+/-0.000 χ^2/NDF:23.7/22

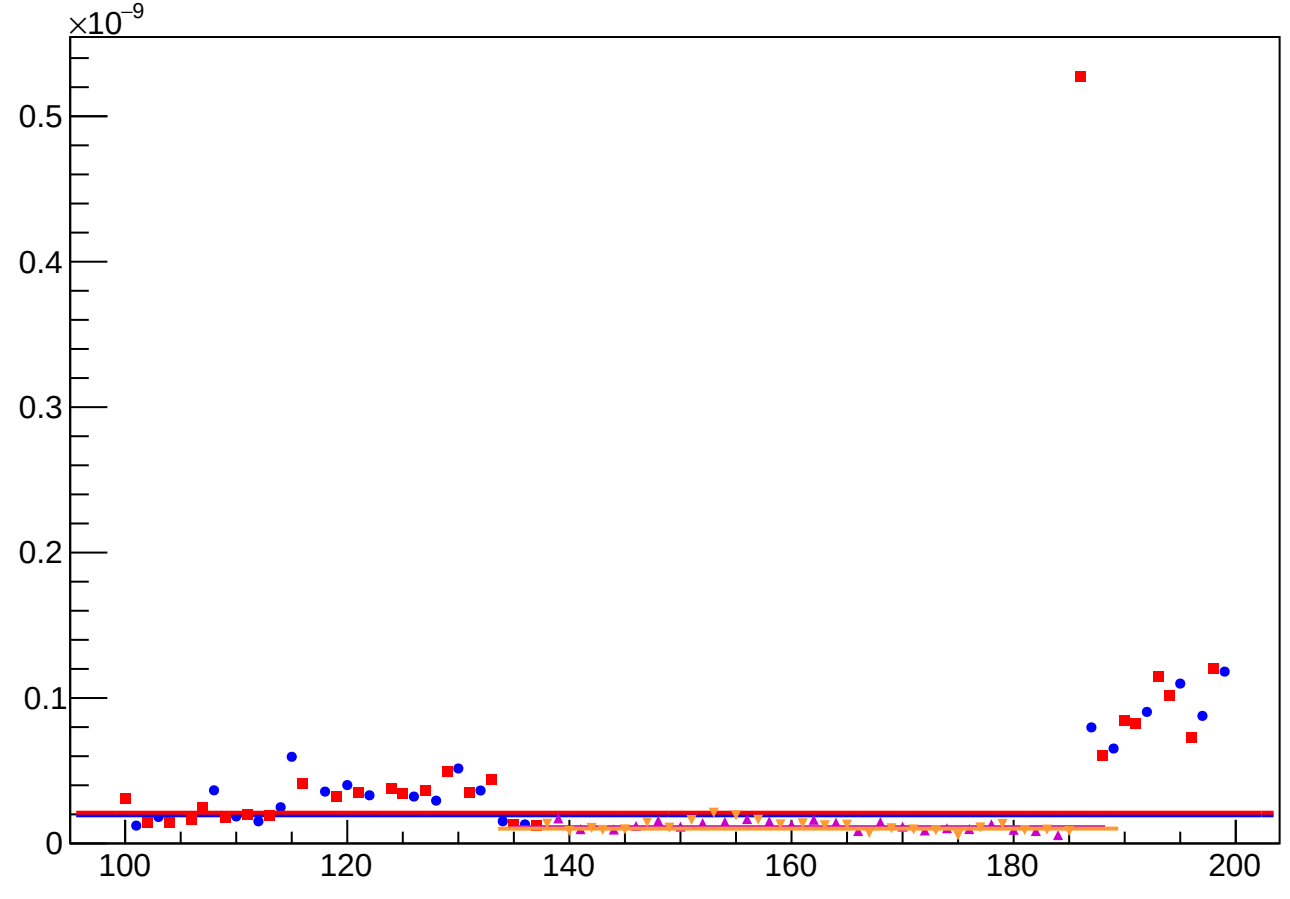
Left: 0.000+/-0.000 χ^2/NDF: 49.9/47

Right: 0.000+/-0.000 χ^2/NDF: 53.7/48

In: 0.000+/-0.000 χ^2/NDF:45.1/44

Out: 0.000+/-0.000 χ^2/NDF:57.8/51

All: 0.000+/-0.000 χ^2/NDF: 103.7/96



Right In: 0.000+/-0.000 χ^2/NDF: 4974908.7/21

Left Out: 0.000+/-0.000 χ^2/NDF:2257651.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5268356.3/26

Left In: 0.000+/-0.000 χ^2/NDF:1536588.2/22

Left: 0.000+/-0.000 χ^2/NDF: 3895034.6/47

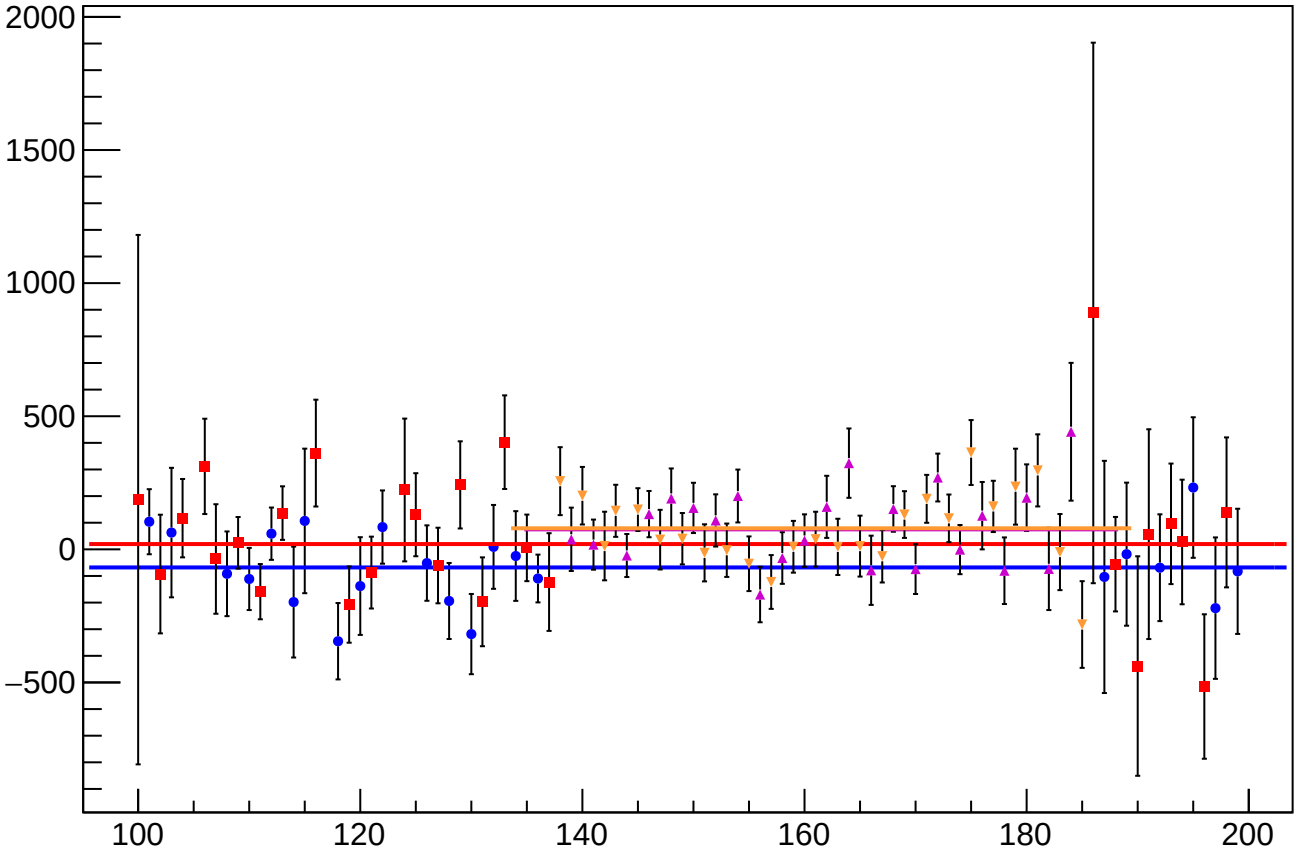
Right: 0.000+/-0.000 χ^2/NDF: 10284700.5/48

In: 0.000+/-0.000 χ^2/NDF:8115533.2/44

Out: 0.000+/-0.000 χ^2/NDF:10213769.4/51

All: 0.000+/-0.000 χ^2/NDF: 18428583.0/96

reg_asym_sam_3748_avg_mean vs Slug, Sign Corrected



Right In: -67.986+/-33.310 χ^2/NDF: 15.7/21

Left Out: 79.098+/-21.102 χ^2/NDF:32.0/24

Right Out: 19.846+/-32.244 χ^2/NDF: 30.4/26

Left In: 75.048+/-21.837 χ^2/NDF:32.6/22

Left: 77.142+/-15.175 χ^2/NDF: 64.6/47

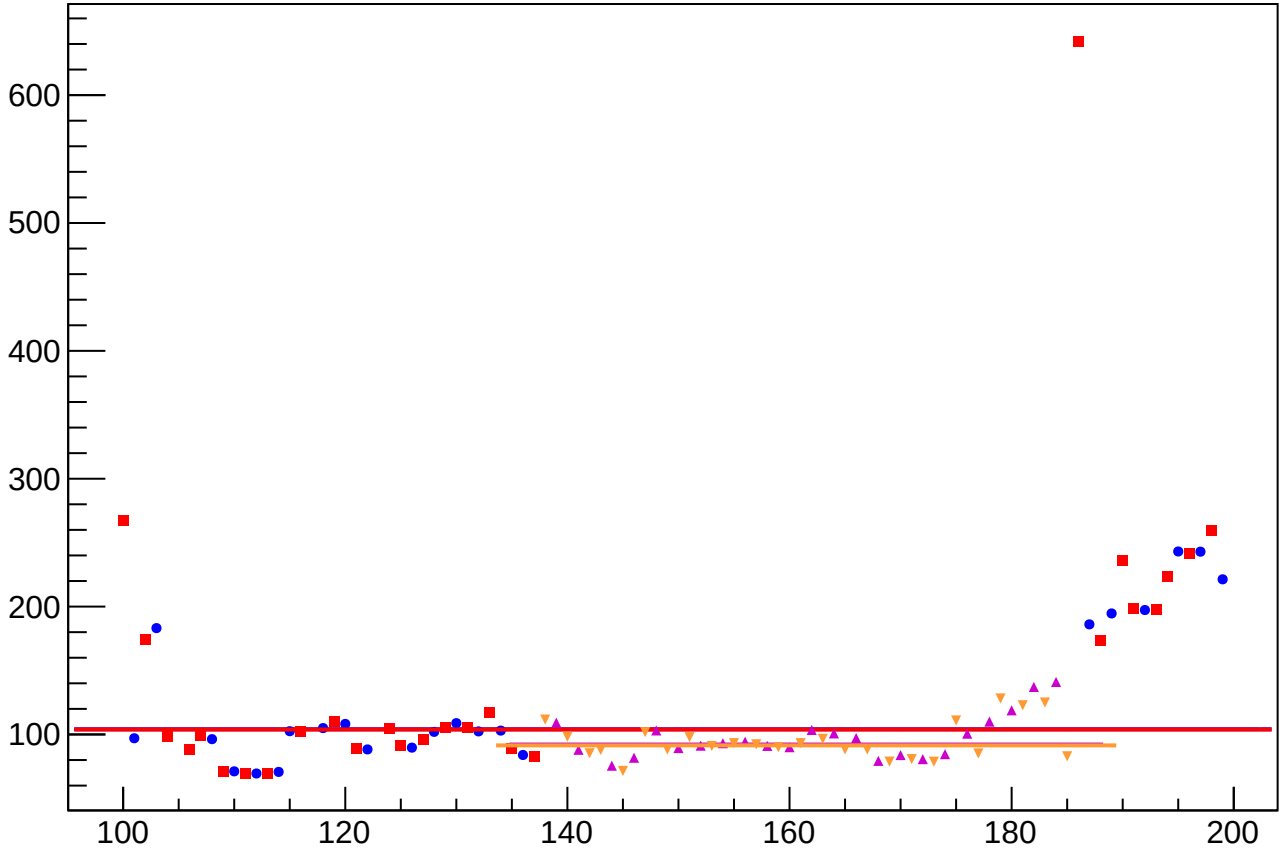
Right: -22.642+/-23.168 χ^2/NDF: 49.8/48

In: 32.055+/-18.262 χ^2/NDF:61.3/44

Out: 61.330+/-17.657 χ^2/NDF:64.8/51

All: 47.186+/-12.694 χ^2/NDF: 127.4/96

reg_asym_sam_3748_avg_rms vs Slug, Sign Corrected



Right In: 104.055+/-0.024 χ^2/NDF: 3161799.1/21

Left Out: 91.462+/-0.015 χ^2/NDF:751213.9/24

Right Out: 103.869+/-0.023 χ^2/NDF: 4258478.0/26

Left In: 92.100+/-0.015 χ^2/NDF:699590.1/22

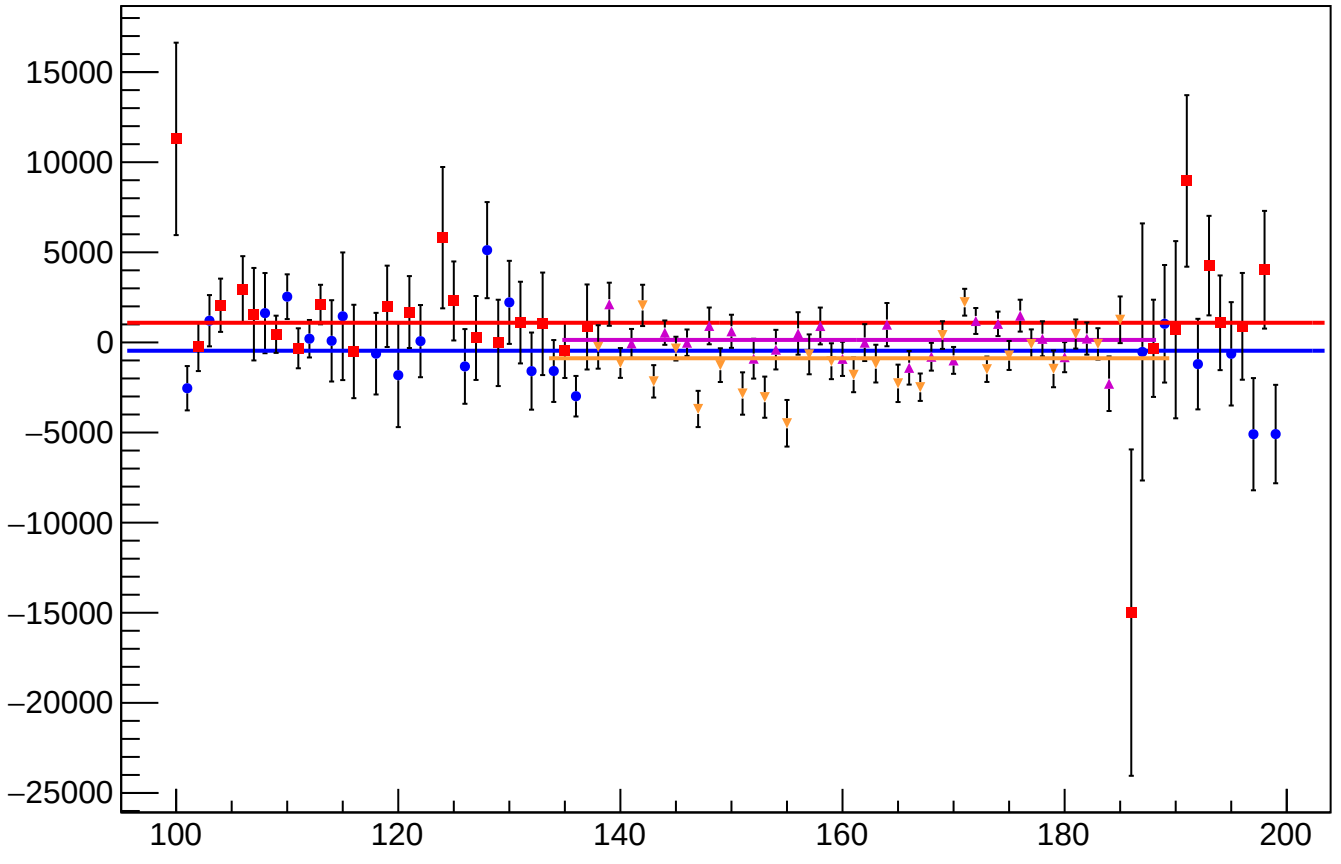
Left: 91.770+/-0.011 χ^2/NDF: 1451688.8/47

Right: 103.959+/-0.016 χ^2/NDF: 7420309.2/48

In: 95.694+/-0.013 χ^2/NDF:4041551.1/44

Out: 95.182+/-0.012 χ^2/NDF:5217031.6/51

All: 95.429+/-0.009 χ^2/NDF: 9259393.2/96



Right In: -461.502+/-398.056 χ^2/NDF: 29.0/21

Left Out: -878.463+/-182.188 χ^2/NDF:67.7/24

Right Out: 1090.596+/-379.508 χ^2/NDF: 21.0/26

Left In: 138.728+/-186.573 χ^2/NDF:24.2/22

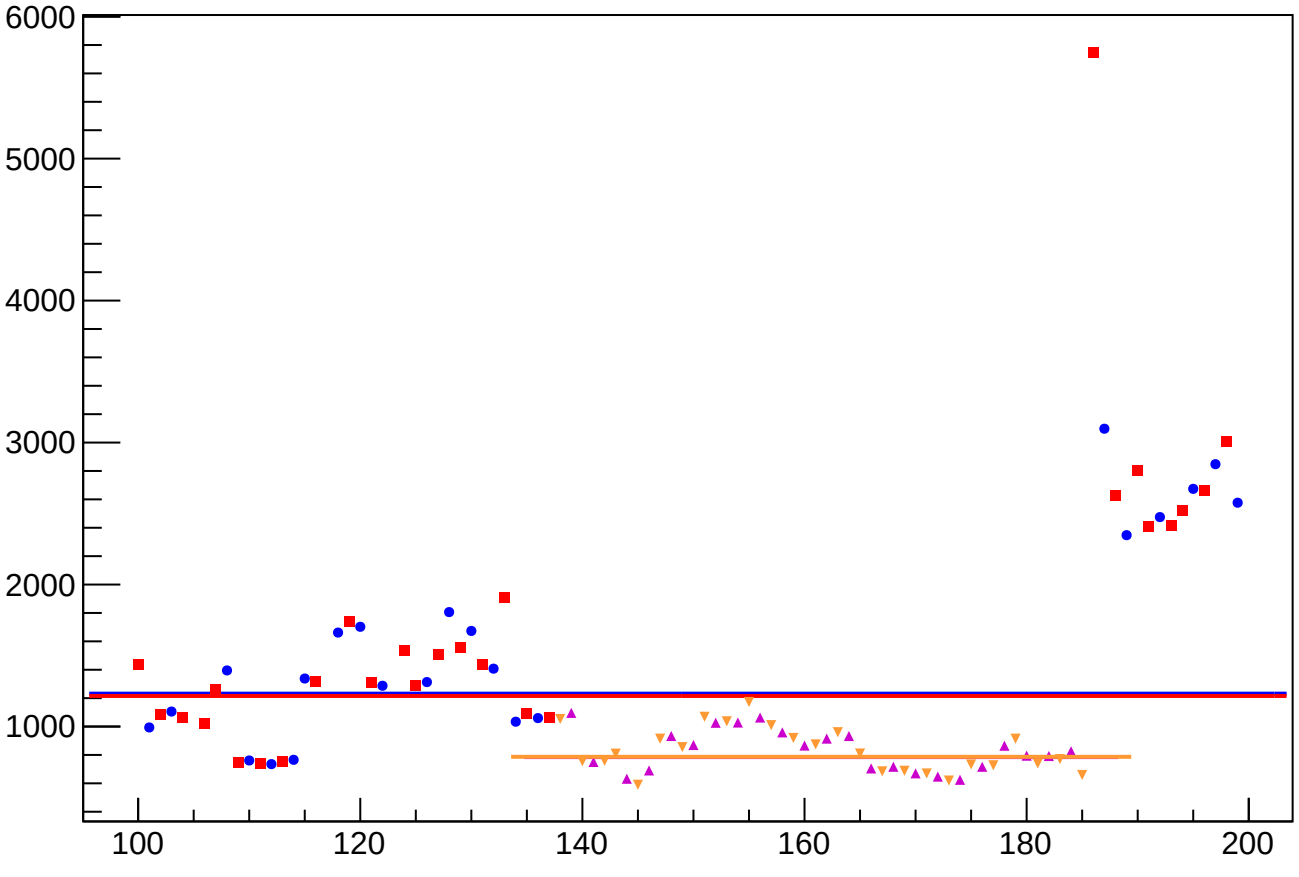
Left: -381.963+/-130.349 χ^2/NDF: 107.1/47

Right: 351.551+/-274.676 χ^2/NDF: 58.0/48

In: 30.614+/-168.937 χ^2/NDF:55.1/44

Out: -509.665+/-164.242 χ^2/NDF:110.6/51

All: -247.137+/-117.762 χ^2/NDF: 171.0/96



Right In: 1231.612+/-0.281 χ^2/NDF: 3705252.6/21

Left Out: 786.758+/-0.129 χ^2/NDF:1210893.0/24

Right Out: 1215.331+/-0.268 χ^2/NDF: 4886017.1/26

Left In: 784.833+/-0.132 χ^2/NDF:1063747.2/22

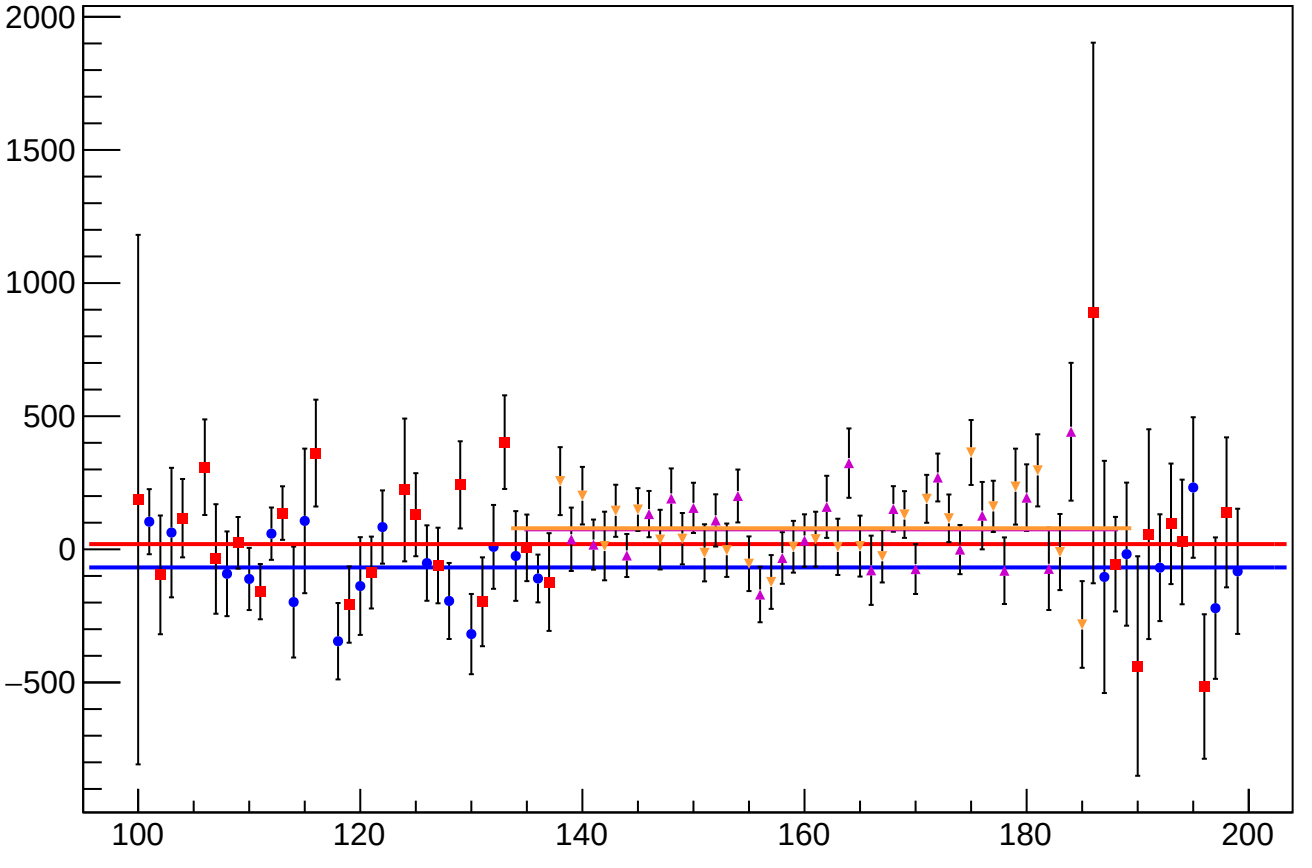
Left: 785.819+/-0.092 χ^2/NDF: 2274749.2/47

Right: 1223.084+/-0.194 χ^2/NDF: 8593022.3/48

In: 865.307+/-0.119 χ^2/NDF:6834745.6/44

Out: 867.029+/-0.116 χ^2/NDF:8169774.7/51

All: 866.192+/-0.083 χ^2/NDF: 15004627.2/96



Right In: -67.997+/-33.310 χ^2/NDF: 15.7/21

Left Out: 79.106+/-21.102 χ^2/NDF:32.0/24

Right Out: 19.620+/-32.248 χ^2/NDF: 30.4/26

Left In: 75.049+/-21.837 χ^2/NDF:32.6/22

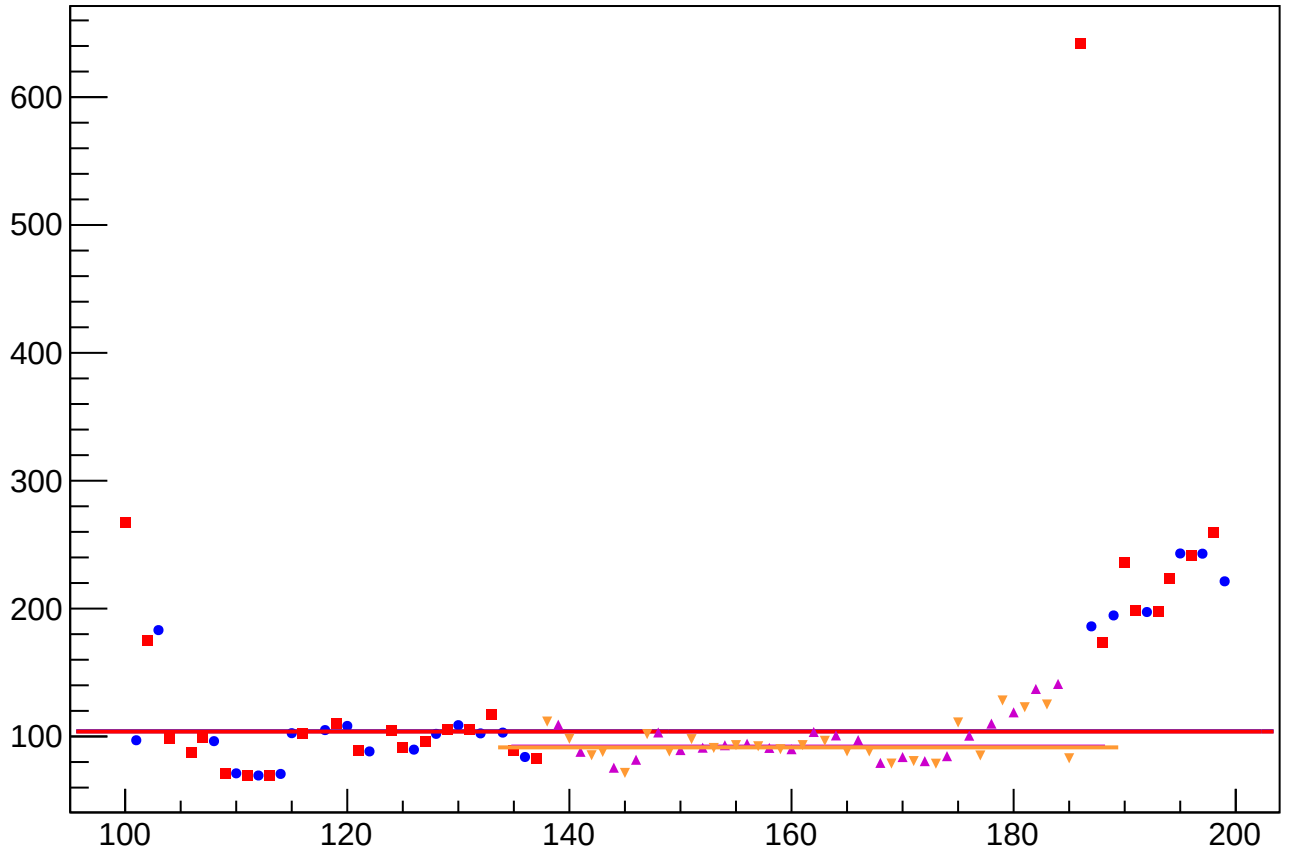
Left: 77.147+/-15.175 χ^2/NDF: 64.6/47

Right: -22.769+/-23.169 χ^2/NDF: 49.7/48

In: 32.052+/-18.262 χ^2/NDF:61.3/44

Out: 61.271+/-17.658 χ^2/NDF:64.7/51

All: 47.154+/-12.694 χ^2/NDF: 127.3/96



Right In: 104.055+/-0.024 χ^2/NDF: 3161802.2/21

Left Out: 91.462+/-0.015 χ^2/NDF:751213.9/24

Right Out: 103.830+/-0.023 χ^2/NDF: 4261210.5/26

Left In: 92.100+/-0.015 χ^2/NDF:699590.1/22

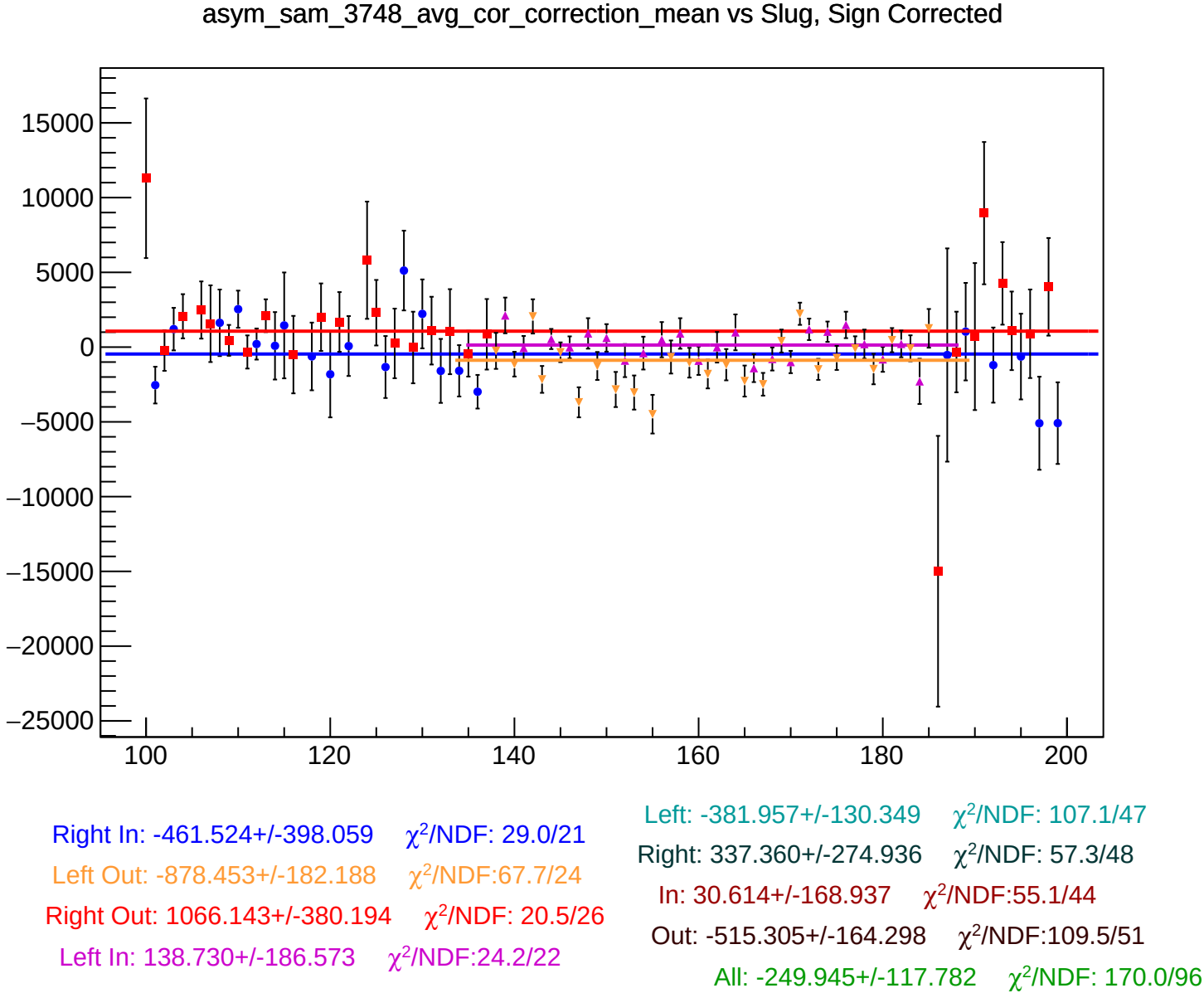
Left: 91.770+/-0.011 χ^2/NDF: 1451688.9/47

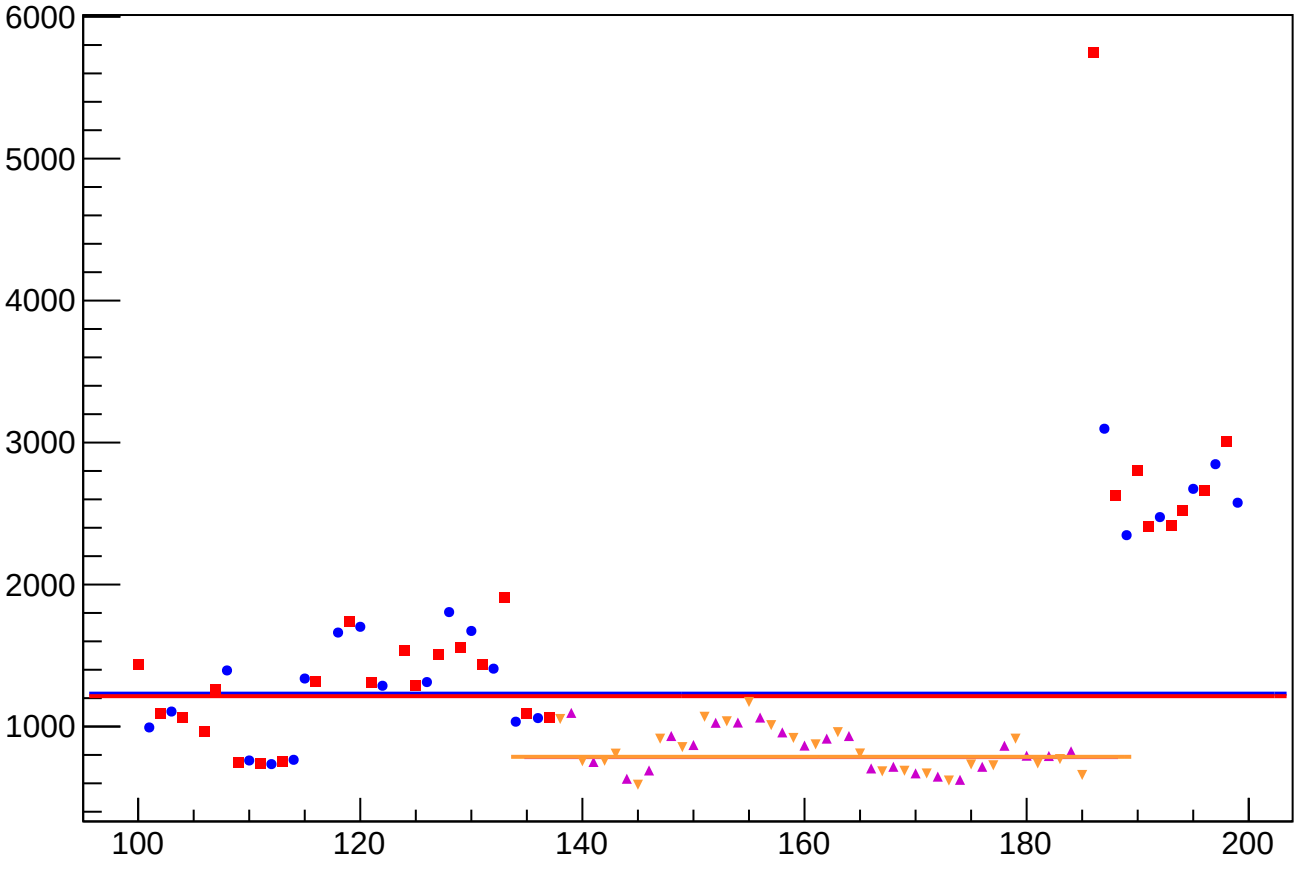
Right: 103.939+/-0.016 χ^2/NDF: 7423059.6/48

In: 95.694+/-0.013 χ^2/NDF:4041554.2/44

Out: 95.170+/-0.012 χ^2/NDF:5218429.4/51

All: 95.423+/-0.009 χ^2/NDF: 9260833.4/96


asym_sam_3748_avg_cor_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
−20000
−25000
100
120
140
160
180
200
Right In: -461.524+/-398.059 χ²/NDF: 29.0/21
Left Out: -878.453+/-182.188 χ²/NDF:67.7/24
Right Out: 1066.143+/-380.194 χ²/NDF: 20.5/26
Left In: 138.730+/-186.573 χ²/NDF:24.2/22
Left: -381.957+/-130.349 χ²/NDF: 107.1/47
Right: 337.360+/-274.936 χ²/NDF: 57.3/48
In: 30.614+/-168.937 χ²/NDF:55.1/44
Out: -515.305+/-164.298 χ²/NDF:109.5/51
All: -249.945+/-117.782 χ²/NDF: 170.0/96



Right In: 1231.622+/-0.281 χ^2/NDF: 3705224.7/21

Left Out: 786.758+/-0.129 χ^2/NDF:1210893.0/24

Right Out: 1213.833+/-0.269 χ^2/NDF: 4897626.0/26

Left In: 784.833+/-0.132 χ^2/NDF:1063746.9/22

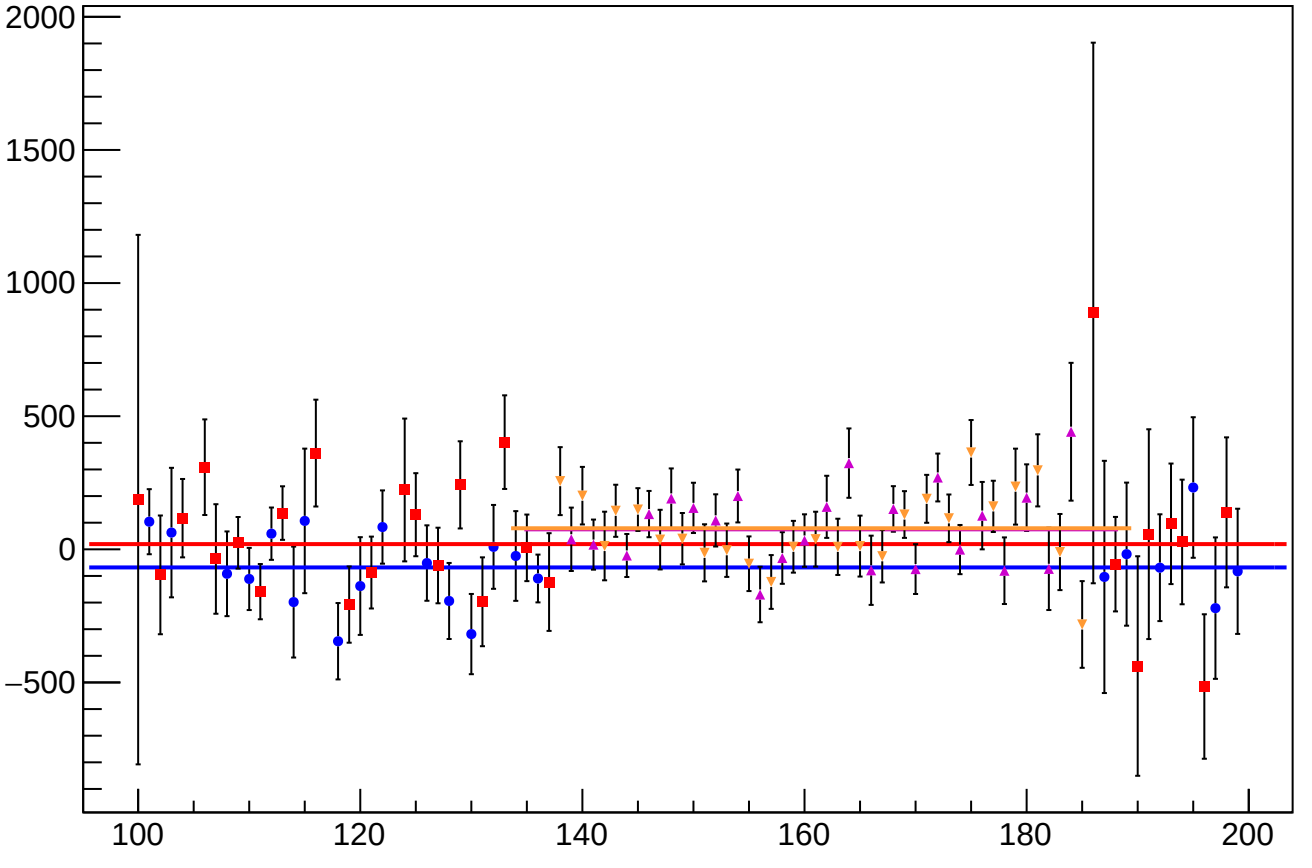
Left: 785.819+/-0.092 χ^2/NDF: 2274748.8/47

Right: 1222.320+/-0.194 χ^2/NDF: 8604939.4/48

In: 865.308+/-0.119 χ^2/NDF:6834783.4/44

Out: 866.513+/-0.116 χ^2/NDF:8160885.3/51

All: 865.927+/-0.083 χ^2/NDF: 14995721.0/96



Right In: -67.997+/-33.310 χ^2/NDF: 15.7/21

Left Out: 79.106+/-21.102 χ^2/NDF:32.0/24

Right Out: 19.620+/-32.248 χ^2/NDF: 30.4/26

Left In: 75.049+/-21.837 χ^2/NDF:32.6/22

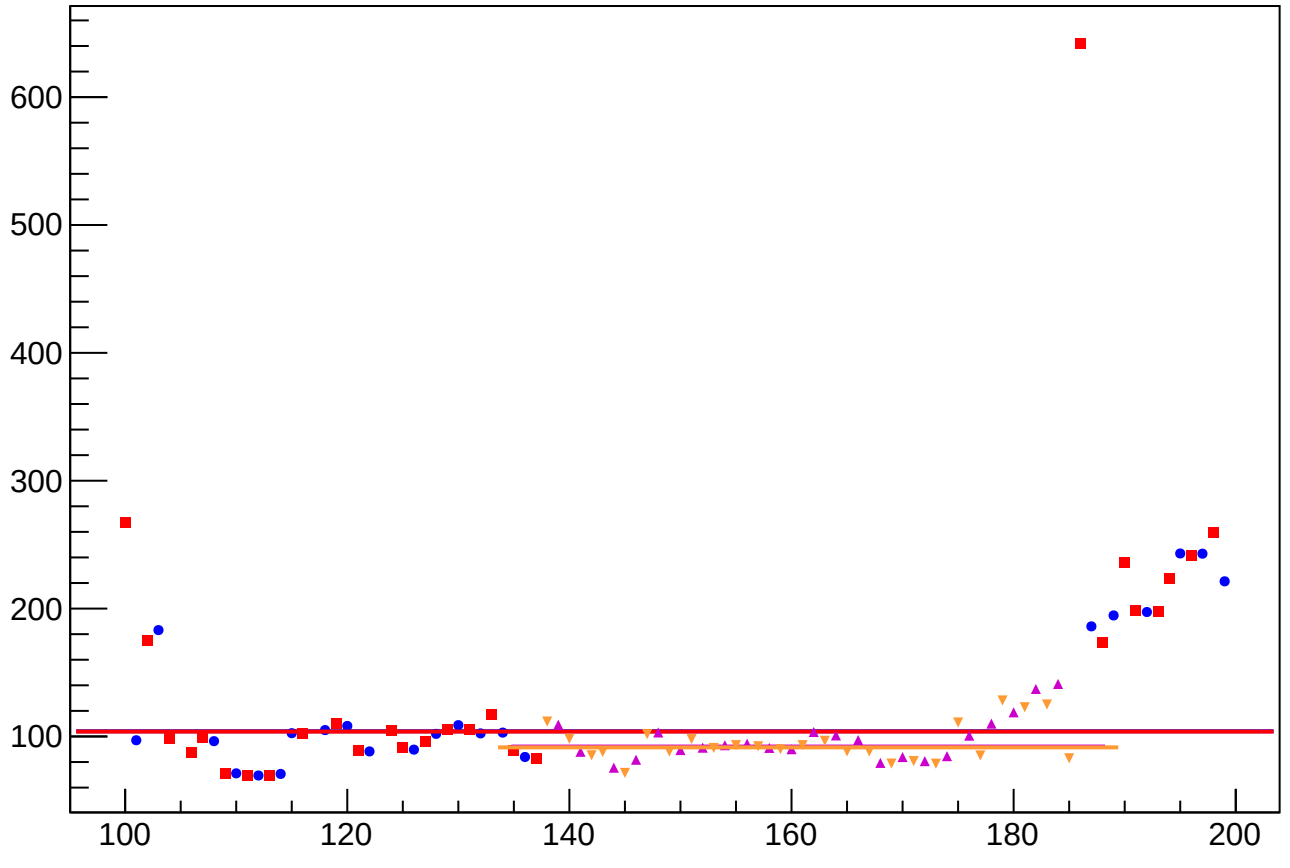
Left: 77.147+/-15.175 χ^2/NDF: 64.6/47

Right: -22.769+/-23.169 χ^2/NDF: 49.7/48

In: 32.052+/-18.262 χ^2/NDF:61.3/44

Out: 61.271+/-17.658 χ^2/NDF:64.7/51

All: 47.154+/-12.694 χ^2/NDF: 127.3/96



Right In: 104.055+/-0.024 χ^2/NDF: 3161802.2/21

Left Out: 91.462+/-0.015 χ^2/NDF:751213.9/24

Right Out: 103.830+/-0.023 χ^2/NDF: 4261210.5/26

Left In: 92.100+/-0.015 χ^2/NDF:699590.1/22

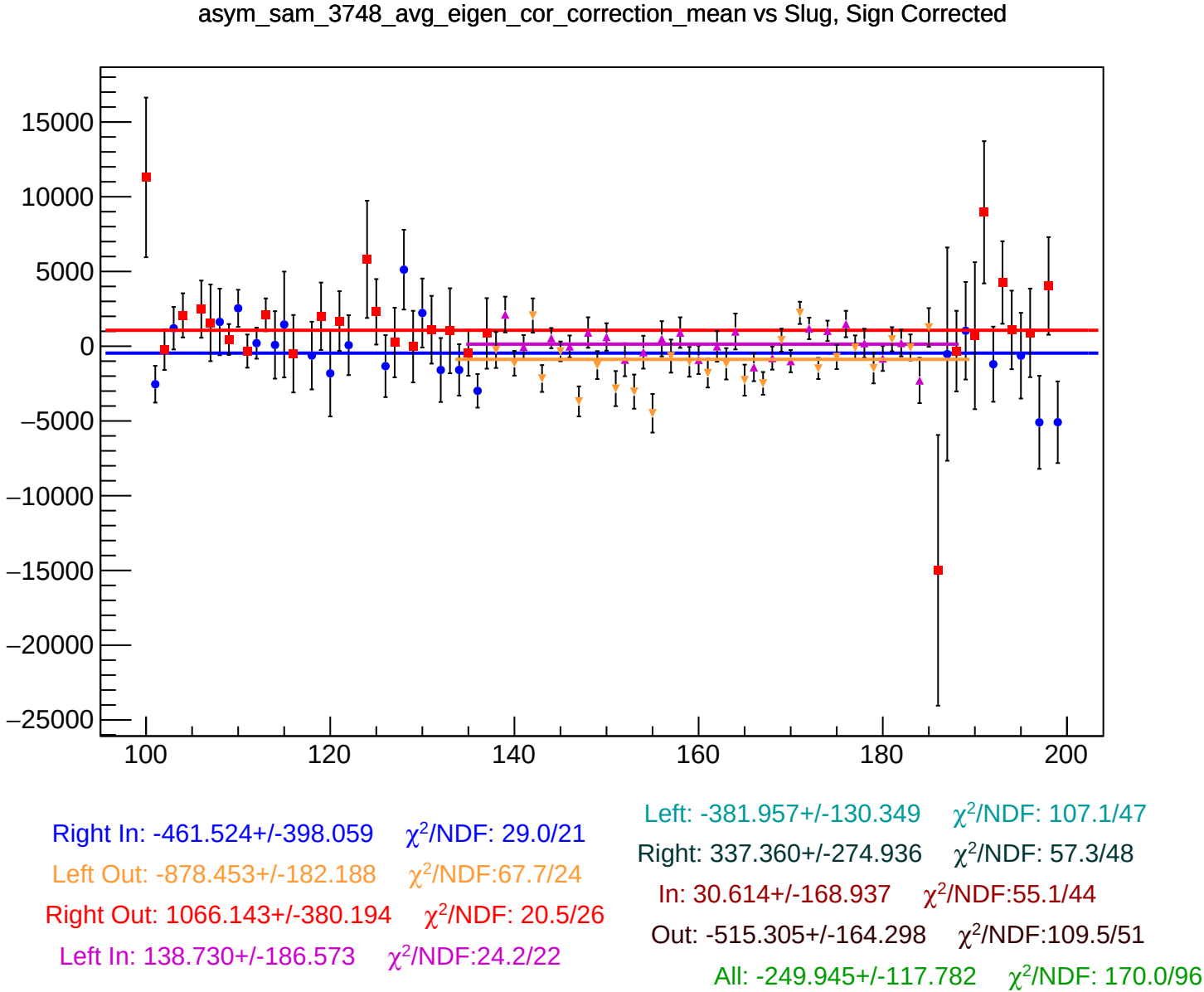
Left: 91.770+/-0.011 χ^2/NDF: 1451688.9/47

Right: 103.939+/-0.016 χ^2/NDF: 7423059.6/48

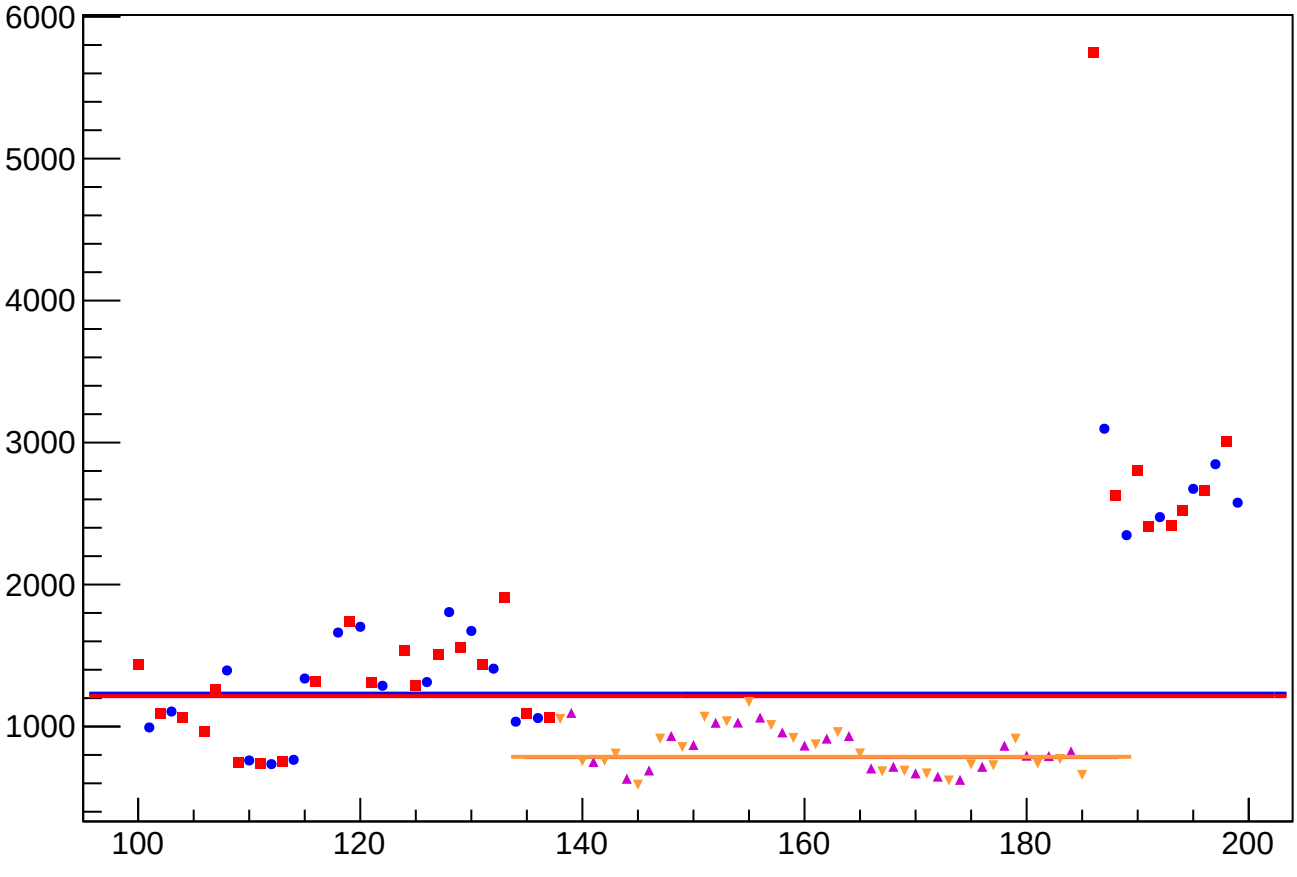
In: 95.694+/-0.013 χ^2/NDF:4041554.2/44

Out: 95.170+/-0.012 χ^2/NDF:5218429.4/51

All: 95.423+/-0.009 χ^2/NDF: 9260833.4/96


asym_sam_3748_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
−20000
−25000
100
120
140
160
180
200
Right In: -461.524+/-398.059 χ²/NDF: 29.0/21
Left Out: -878.453+/-182.188 χ²/NDF:67.7/24
Right Out: 1066.143+/-380.194 χ²/NDF: 20.5/26
Left In: 138.730+/-186.573 χ²/NDF:24.2/22
Left: -381.957+/-130.349 χ²/NDF: 107.1/47
Right: 337.360+/-274.936 χ²/NDF: 57.3/48
In: 30.614+/-168.937 χ²/NDF:55.1/44
Out: -515.305+/-164.298 χ²/NDF:109.5/51
All: -249.945+/-117.782 χ²/NDF: 170.0/96

asym_sam_3748_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1231.622+/-0.281 χ^2/NDF: 3705224.7/21

Left Out: 786.758+/-0.129 χ^2/NDF:1210893.0/24

Right Out: 1213.833+/-0.269 χ^2/NDF: 4897626.0/26

Left In: 784.833+/-0.132 χ^2/NDF:1063746.9/22

Left: 785.819+/-0.092 χ^2/NDF: 2274748.8/47

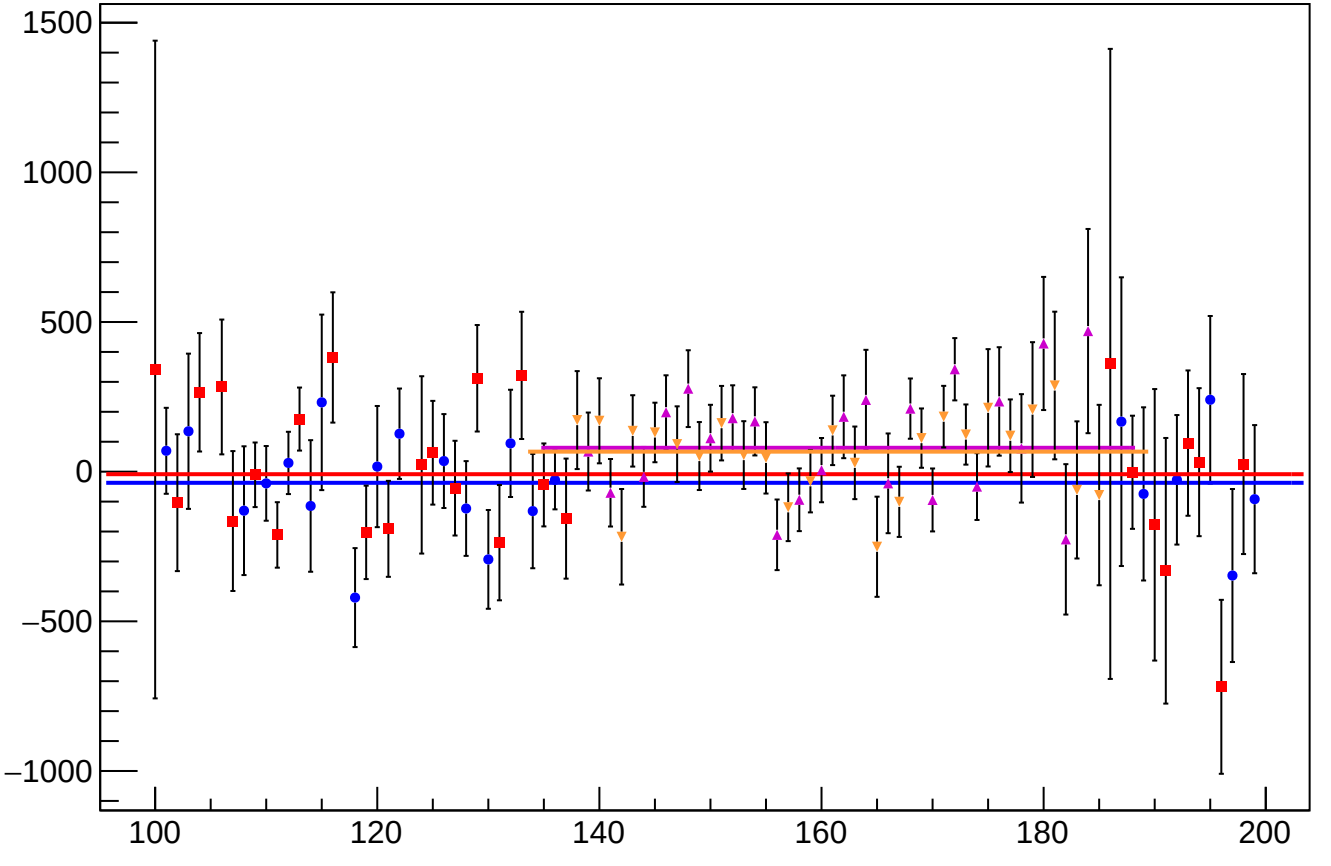
Right: 1222.320+/-0.194 χ^2/NDF: 8604939.4/48

In: 865.308+/-0.119 χ^2/NDF:6834783.4/44

Out: 866.513+/-0.116 χ^2/NDF:8160885.3/51

All: 865.927+/-0.083 χ^2/NDF: 14995721.0/96

dit_asym_sam_3748_avg_mean vs Slug, Sign Corrected



Right In: -37.217+/-36.850 χ^2/NDF: 15.3/21

Left Out: 66.896+/-25.584 χ^2/NDF:19.6/24

Right Out: -8.452+/-35.769 χ^2/NDF: 31.8/26

Left In: 79.766+/-26.299 χ^2/NDF:36.9/22

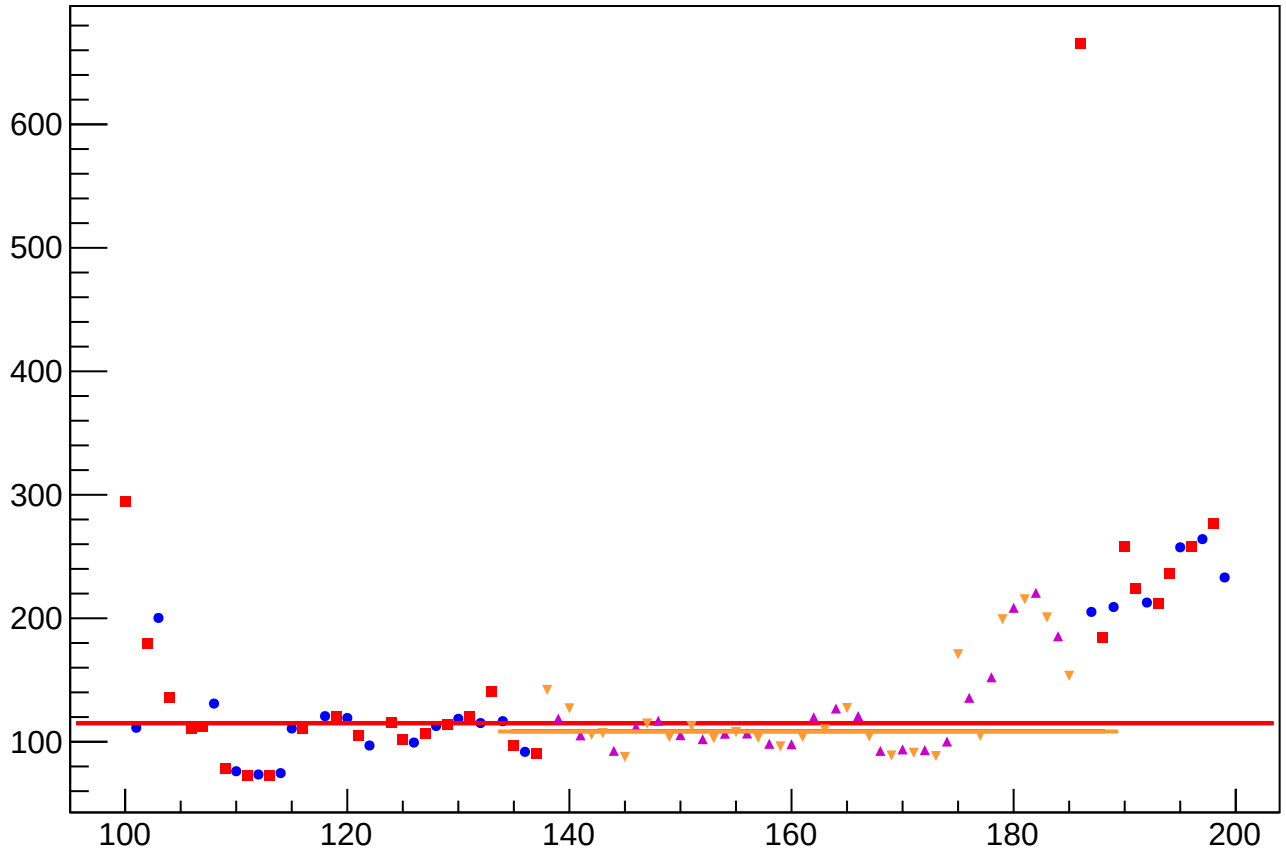
Left: 73.154+/-18.338 χ^2/NDF: 56.7/47

Right: -22.406+/-25.666 χ^2/NDF: 47.4/48

In: 40.290+/-21.406 χ^2/NDF:58.9/44

Out: 41.395+/-20.809 χ^2/NDF:54.3/51

All: 40.858+/-14.921 χ^2/NDF: 113.2/96



Right In: 114.920+/-0.026 χ^2/NDF: 3167661.1/21

Left Out: 108.330+/-0.018 χ^2/NDF:1774599.9/24

Right Out: 115.233+/-0.025 χ^2/NDF: 4205051.5/26

Left In: 108.492+/-0.019 χ^2/NDF:1379398.3/22

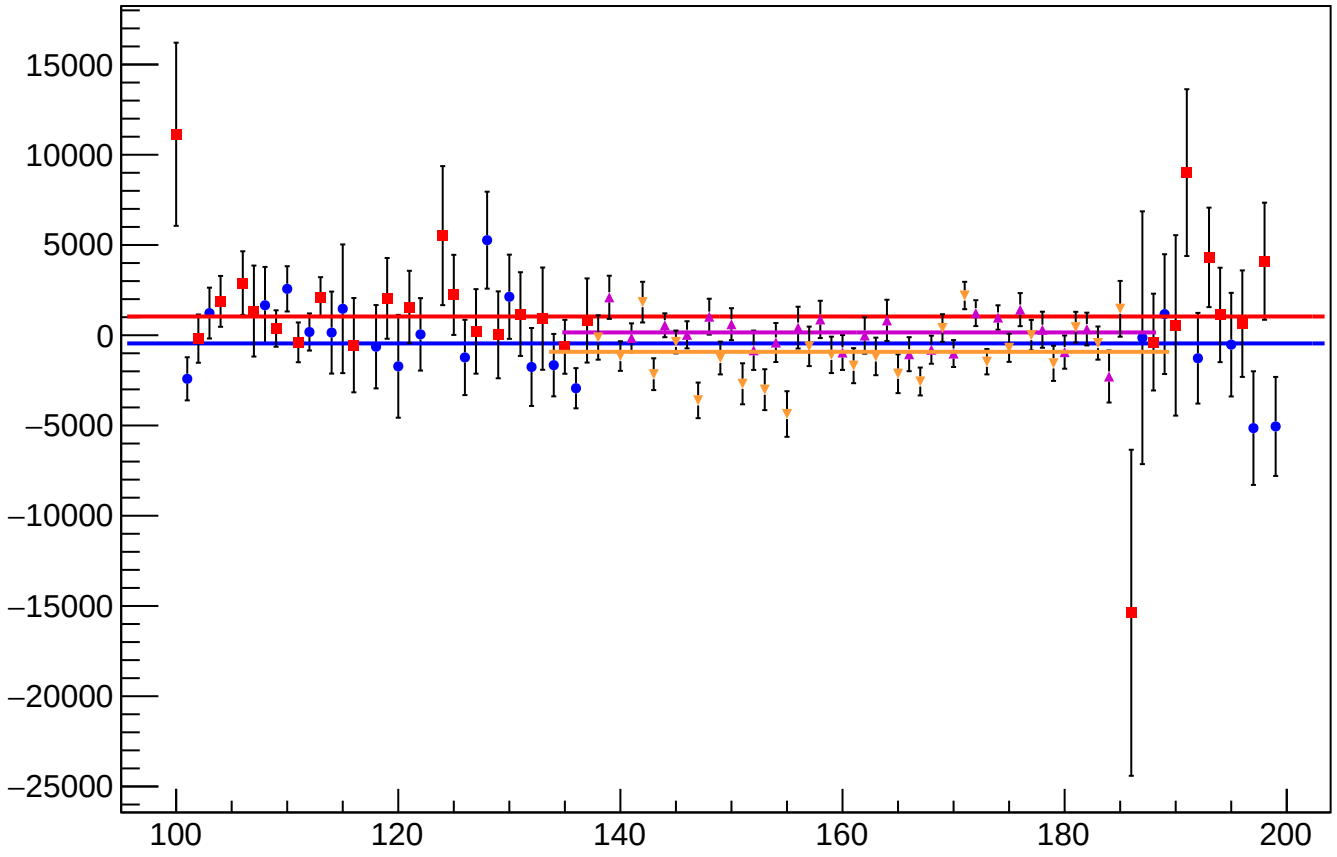
Left: 108.409+/-0.013 χ^2/NDF: 3154037.3/47

Right: 115.081+/-0.018 χ^2/NDF: 7372786.7/48

In: 110.661+/-0.015 χ^2/NDF:4587375.1/44

Out: 110.666+/-0.015 χ^2/NDF:6028922.7/51

All: 110.664+/-0.011 χ^2/NDF: 10616297.8/96



Right In: -453.831+/-396.089 χ^2/NDF: 29.0/21

Left Out: -918.735+/-182.461 χ^2/NDF:64.1/24

Right Out: 1038.028+/-375.415 χ^2/NDF: 22.1/26

Left In: 155.874+/-187.116 χ^2/NDF:23.1/22

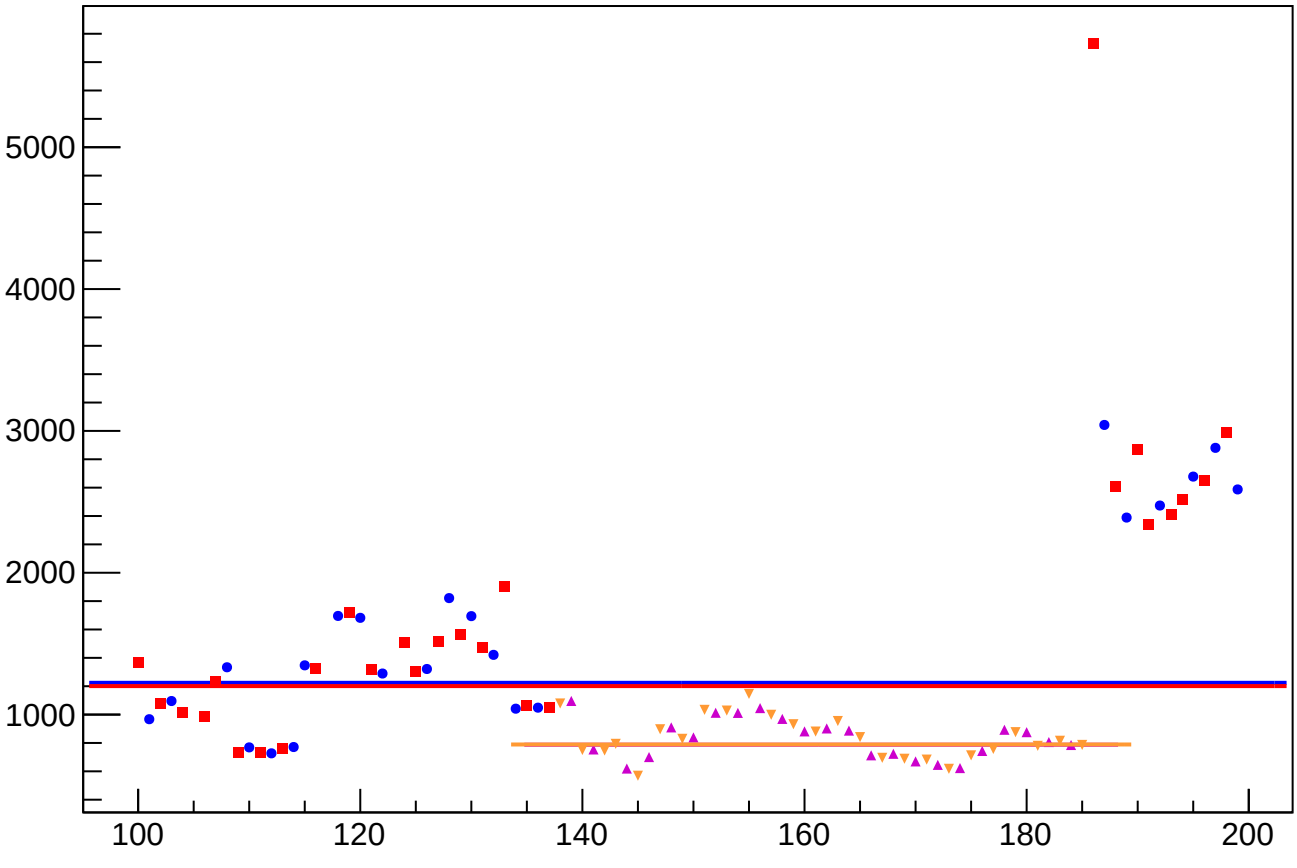
Left: -394.962+/-130.634 χ^2/NDF: 104.1/47

Right: 332.047+/-272.474 χ^2/NDF: 58.6/48

In: 44.632+/-169.187 χ^2/NDF:54.1/44

Out: -544.831+/-164.105 χ^2/NDF:108.2/51

All: -259.085+/-117.796 χ^2/NDF: 168.5/96



Right In: 1224.053+/-0.280 χ^2/NDF: 3775270.4/21

Left Out: 789.250+/-0.129 χ^2/NDF:1176799.1/24

Right Out: 1200.867+/-0.265 χ^2/NDF: 4961512.7/26

Left In: 787.390+/-0.132 χ^2/NDF:1041390.9/22

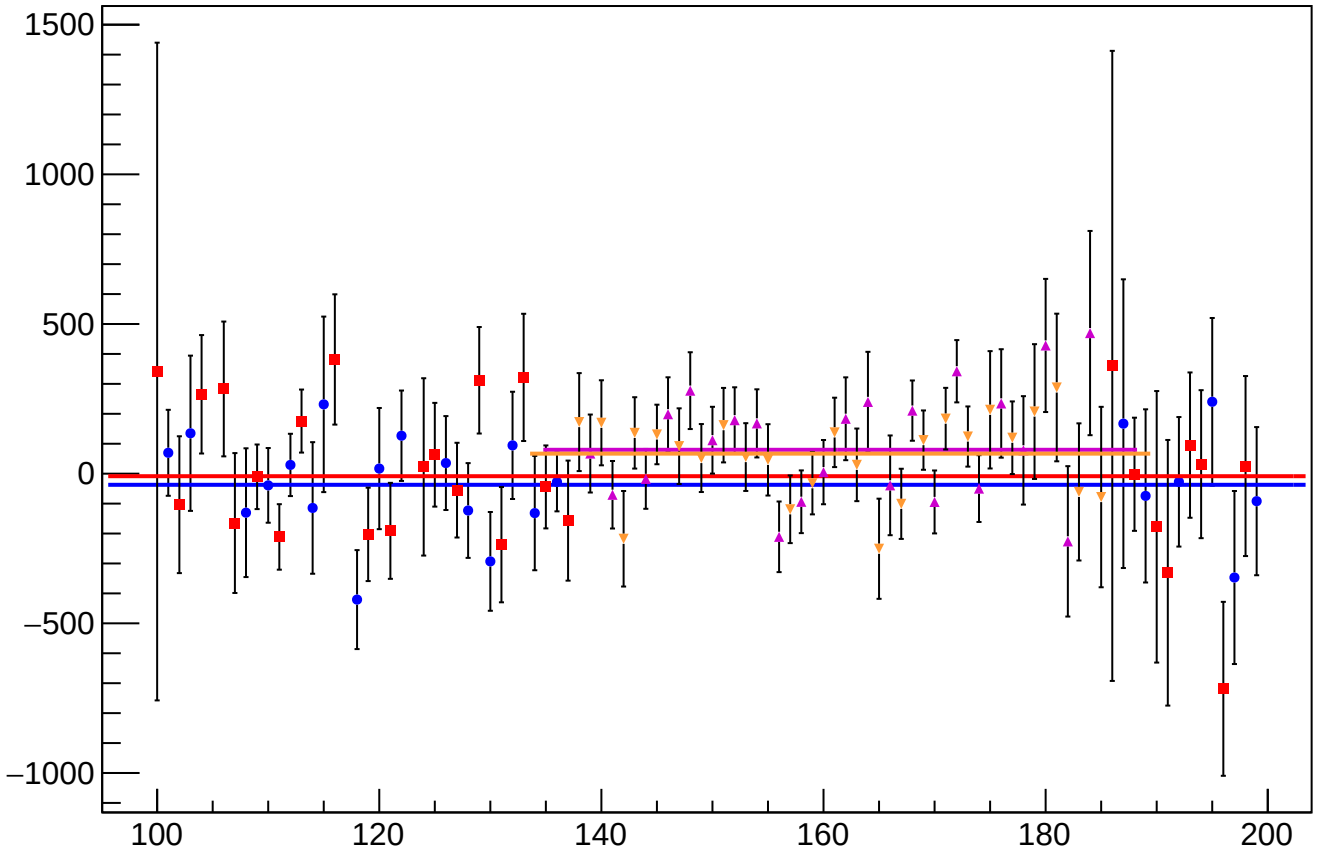
Left: 788.343+/-0.092 χ^2/NDF: 2218291.4/47

Right: 1211.839+/-0.193 χ^2/NDF: 8740392.9/48

In: 867.060+/-0.120 χ^2/NDF:6803897.6/44

Out: 867.903+/-0.116 χ^2/NDF:8083217.2/51

All: 867.494+/-0.083 χ^2/NDF: 14887140.4/96



Right In: -37.216+/-36.850 χ^2/NDF: 15.3/21

Left Out: 66.898+/-25.584 χ^2/NDF:19.6/24

Right Out: -8.453+/-35.769 χ^2/NDF: 31.8/26

Left In: 79.766+/-26.299 χ^2/NDF:36.9/22

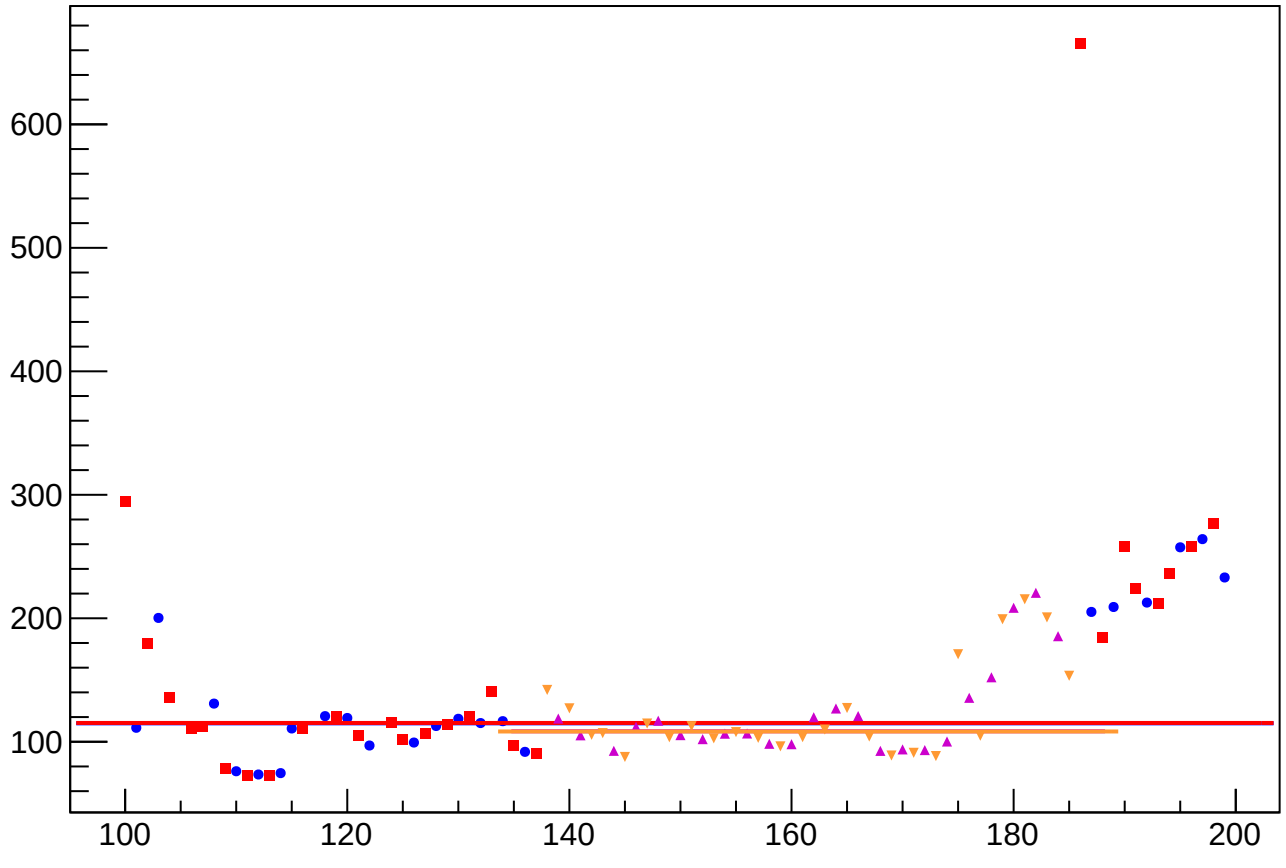
Left: 73.154+/-18.338 χ^2/NDF: 56.7/47

Right: -22.407+/-25.666 χ^2/NDF: 47.4/48

In: 40.290+/-21.406 χ^2/NDF:58.9/44

Out: 41.395+/-20.809 χ^2/NDF:54.3/51

All: 40.858+/-14.921 χ^2/NDF: 113.2/96



Right In: 114.920+/-0.026 χ^2/NDF: 3167652.4/21

Left Out: 108.330+/-0.018 χ^2/NDF:1774594.6/24

Right Out: 115.233+/-0.025 χ^2/NDF: 4205053.4/26

Left In: 108.493+/-0.019 χ^2/NDF:1379379.3/22

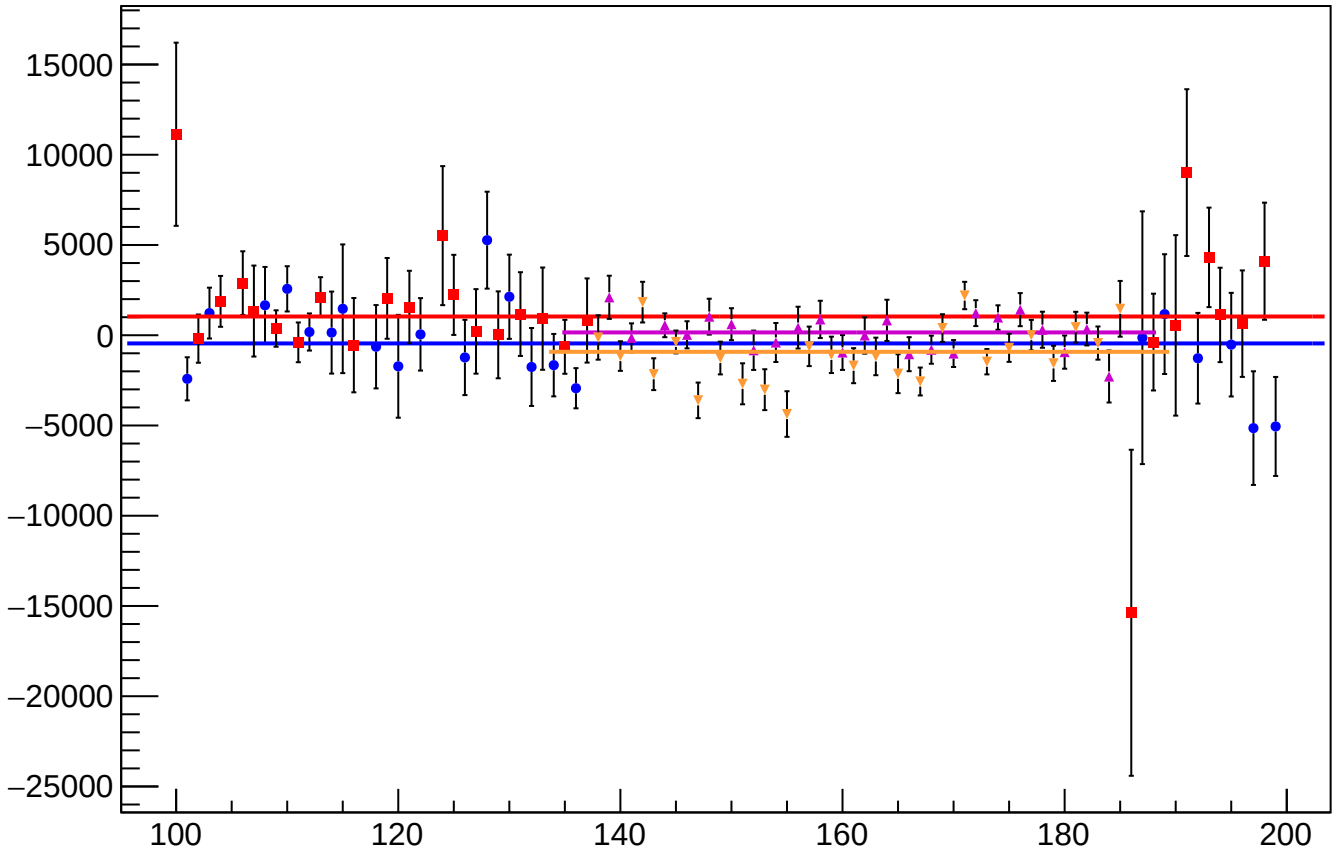
Left: 108.409+/-0.013 χ^2/NDF: 3154013.0/47

Right: 115.081+/-0.018 χ^2/NDF: 7372779.9/48

In: 110.662+/-0.015 χ^2/NDF:4587345.2/44

Out: 110.667+/-0.015 χ^2/NDF:6028917.0/51

All: 110.664+/-0.011 χ^2/NDF: 10616262.2/96



Right In: -453.829+/-396.089 χ^2/NDF: 29.0/21

Left Out: -918.734+/-182.461 χ^2/NDF:64.1/24

Right Out: 1038.026+/-375.415 χ^2/NDF: 22.1/26

Left In: 155.873+/-187.115 χ^2/NDF:23.1/22

Left: -394.962+/-130.634 χ^2/NDF: 104.1/47

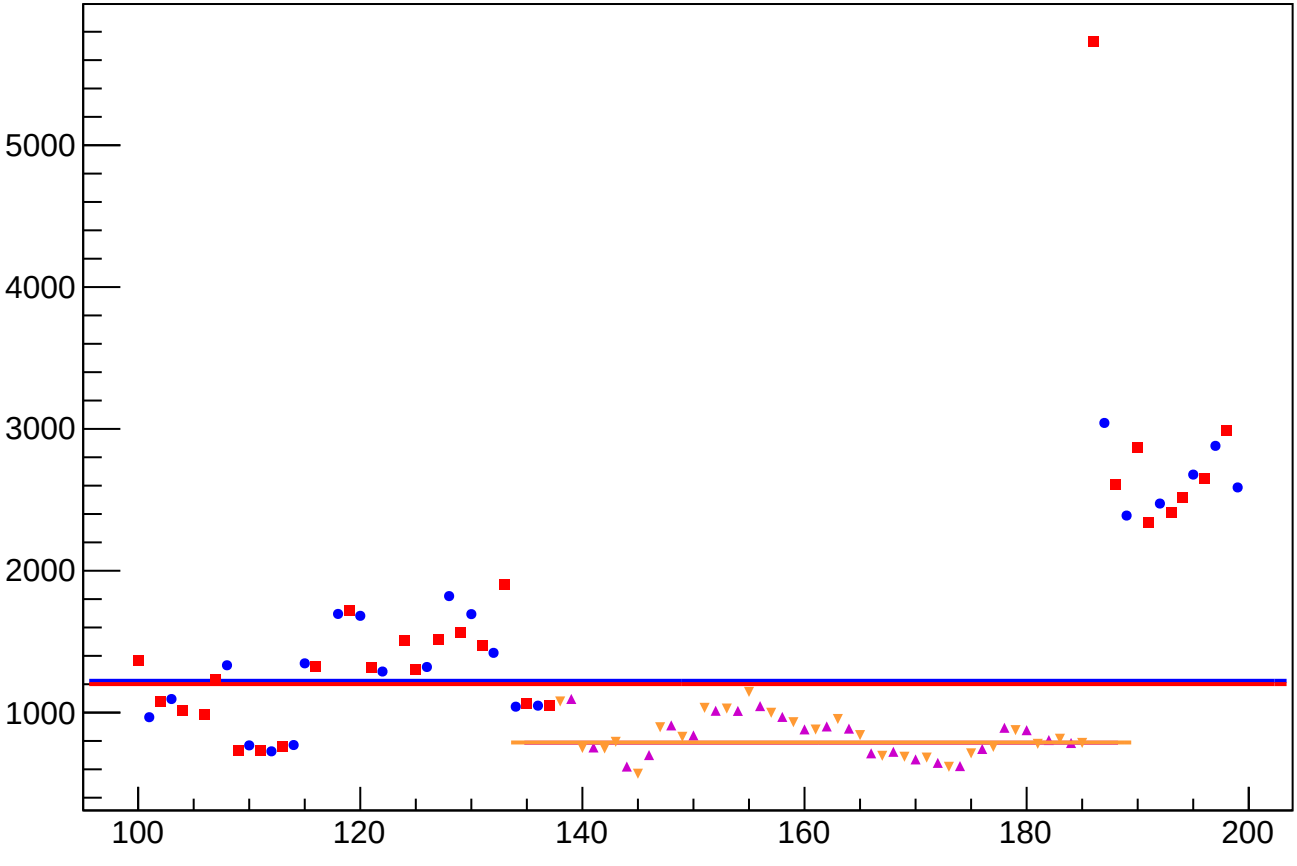
Right: 332.047+/-272.474 χ^2/NDF: 58.6/48

In: 44.632+/-169.187 χ^2/NDF:54.1/44

Out: -544.831+/-164.105 χ^2/NDF:108.2/51

All: -259.085+/-117.795 χ^2/NDF: 168.5/96

asym_sam_3748_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1224.050+/-0.280 χ^2/NDF: 3775278.0/21

Left Out: 789.248+/-0.129 χ^2/NDF:1176801.9/24

Right Out: 1200.866+/-0.265 χ^2/NDF: 4961516.1/26

Left In: 787.388+/-0.132 χ^2/NDF:1041391.2/22

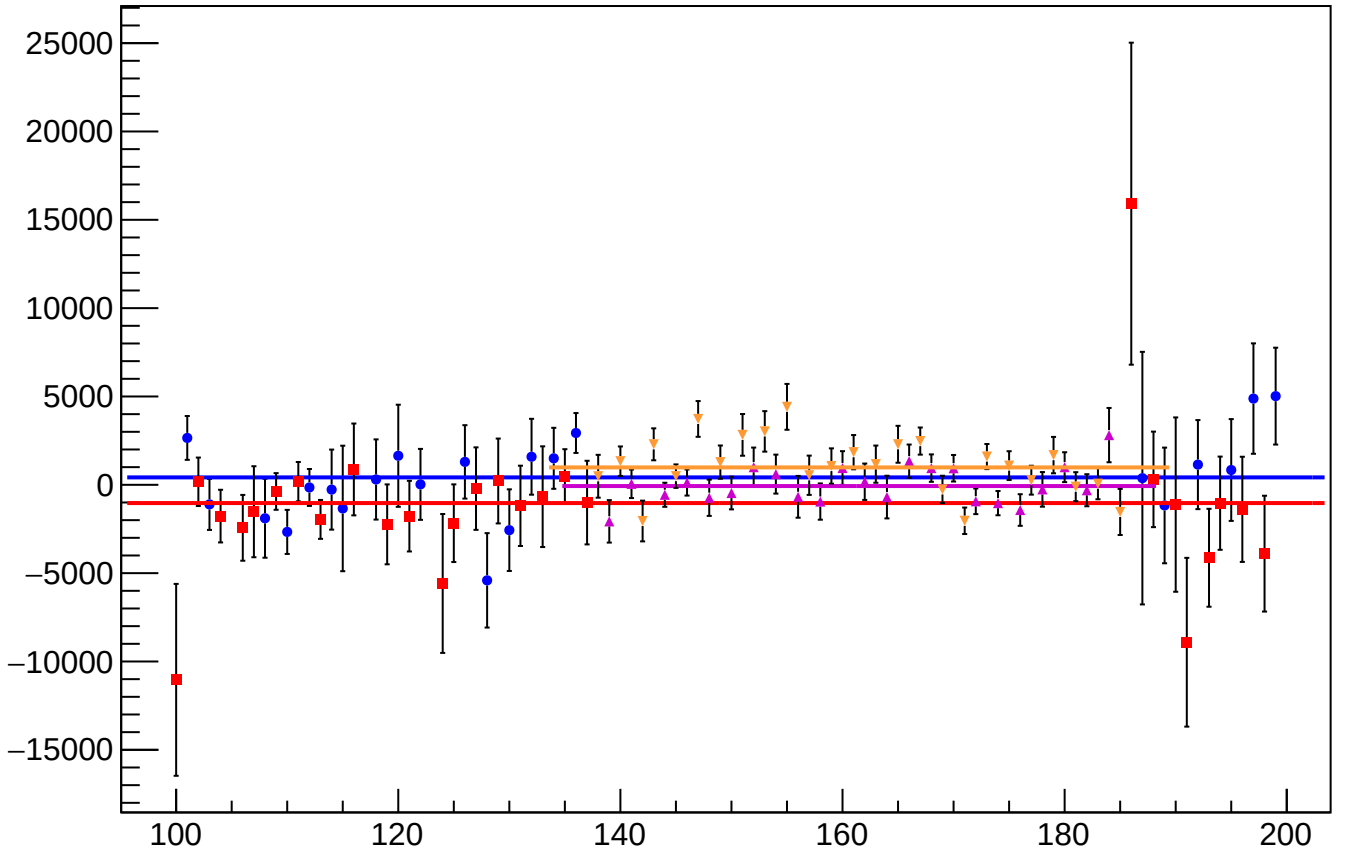
Left: 788.342+/-0.092 χ^2/NDF: 2218294.3/47

Right: 1211.837+/-0.193 χ^2/NDF: 8740403.9/48

In: 867.058+/-0.120 χ^2/NDF:6803904.4/44

Out: 867.901+/-0.116 χ^2/NDF:8083224.7/51

All: 867.492+/-0.083 χ^2/NDF: 14887154.7/96



Right In: 420.400+/-400.134 χ^2/NDF: 29.8/21

Left Out: 985.656+/-183.601 χ^2/NDF:63.7/24

Right Out: -1032.893+/-381.586 χ^2/NDF: 19.7/26

Left In: -70.089+/-188.036 χ^2/NDF:24.4/22

Left: 470.380+/-131.365 χ^2/NDF: 104.3/47

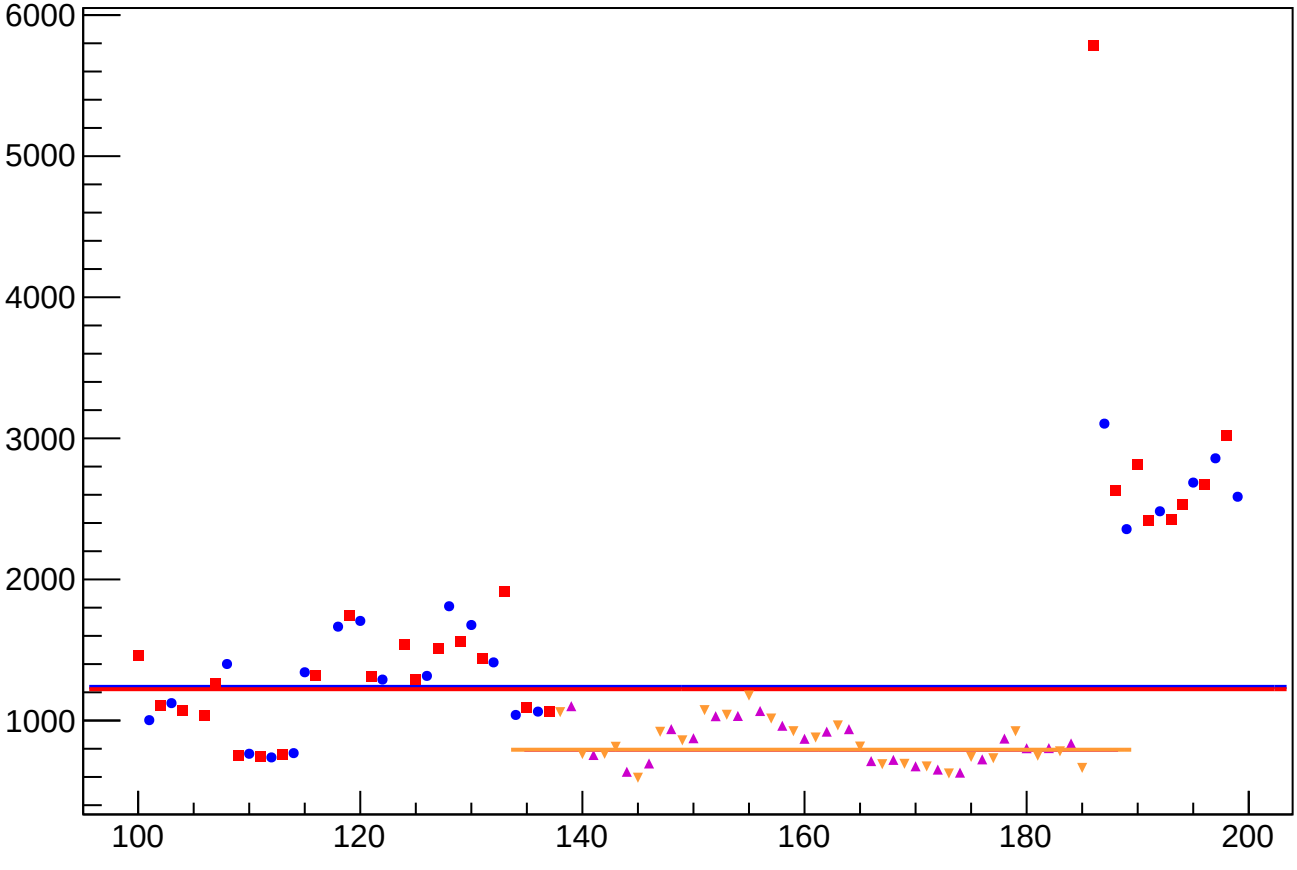
Right: -340.710+/-276.147 χ^2/NDF: 56.5/48

In: 18.635+/-170.181 χ^2/NDF:55.5/44

Out: 606.195+/-165.446 χ^2/NDF:106.1/51

All: 320.703+/-118.627 χ^2/NDF: 167.8/96

asym_sam_3748_avg_rms vs Slug, Sign Corrected



Right In: 1238.516+/-0.283 χ^2/NDF: 3691399.4/21

Left Out: 793.051+/-0.130 χ^2/NDF:1193972.3/24

Right Out: 1222.108+/-0.270 χ^2/NDF: 4873246.3/26

Left In: 791.155+/-0.133 χ^2/NDF:1049107.7/22

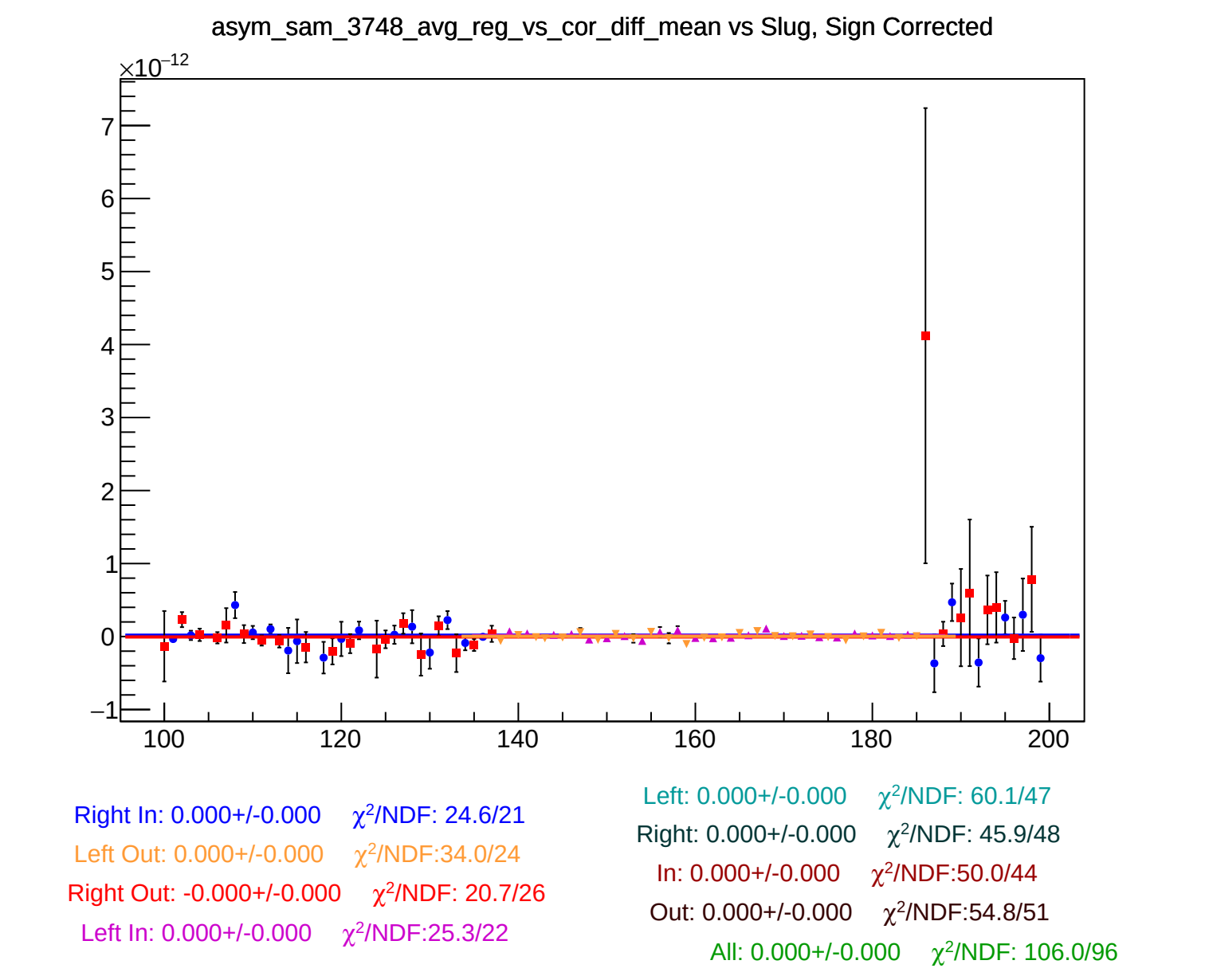
Left: 792.126+/-0.093 χ^2/NDF: 2243184.1/47

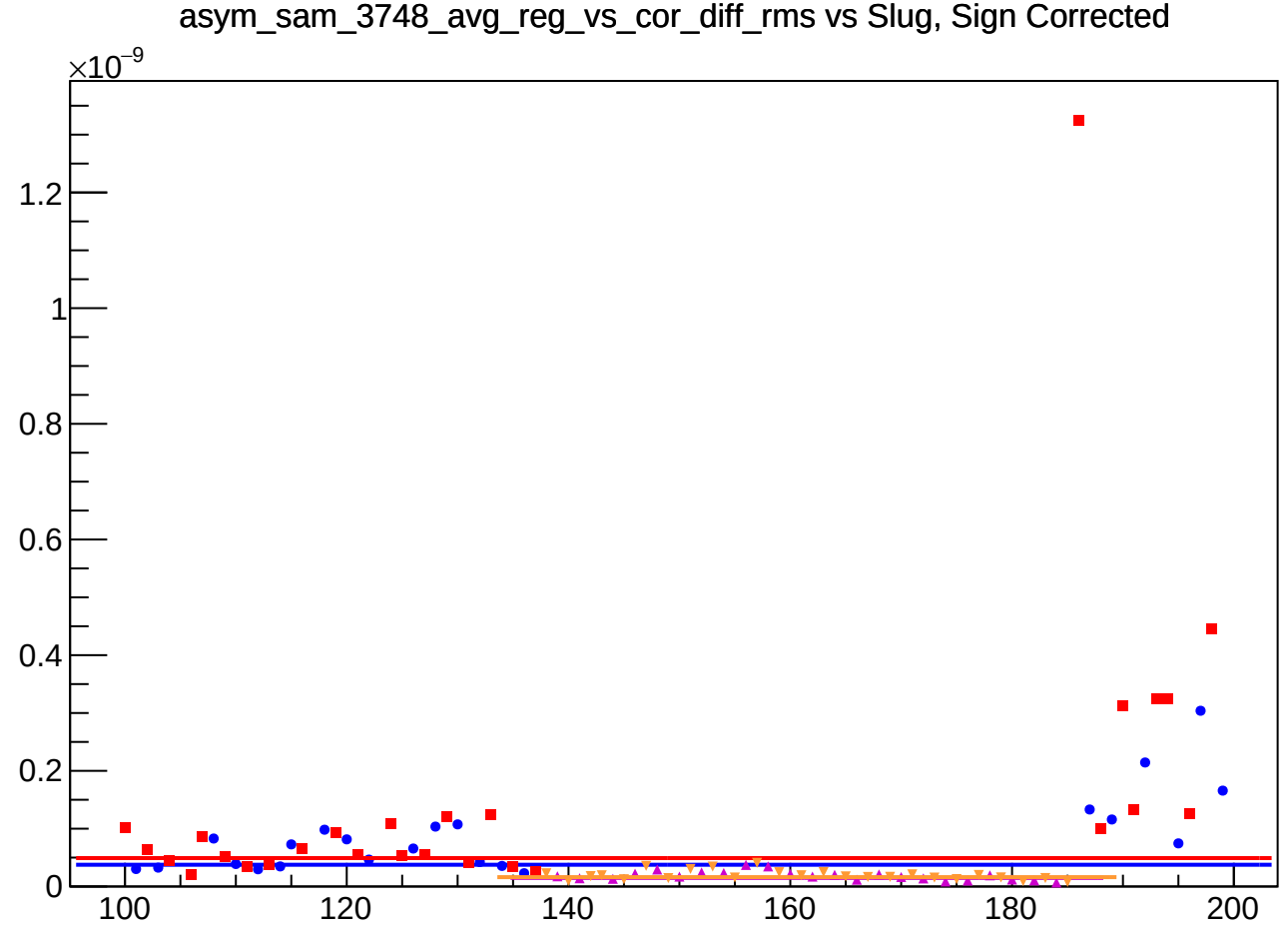
Right: 1229.923+/-0.195 χ^2/NDF: 8566407.0/48

In: 872.078+/-0.120 χ^2/NDF:6788255.4/44

Out: 873.708+/-0.117 χ^2/NDF:8120449.6/51

All: 872.916+/-0.084 χ^2/NDF: 14908799.4/96


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: 24.6/21
Left Out: 0.000+/-0.000 χ²/NDF:34.0/24
Right Out: -0.000+/-0.000 χ²/NDF: 20.7/26
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: 45.9/48
In: 0.000+/-0.000 χ²/NDF:50.0/44
Out: 0.000+/-0.000 χ²/NDF:54.8/51
All: 0.000+/-0.000 χ²/NDF: 106.0/96



Right In: 0.000+/-0.000 χ^2/NDF: 3051412.9/21

Left Out: 0.000+/-0.000 χ^2/NDF:1725685.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4076004.5/26

Left In: 0.000+/-0.000 χ^2/NDF:1661952.2/22

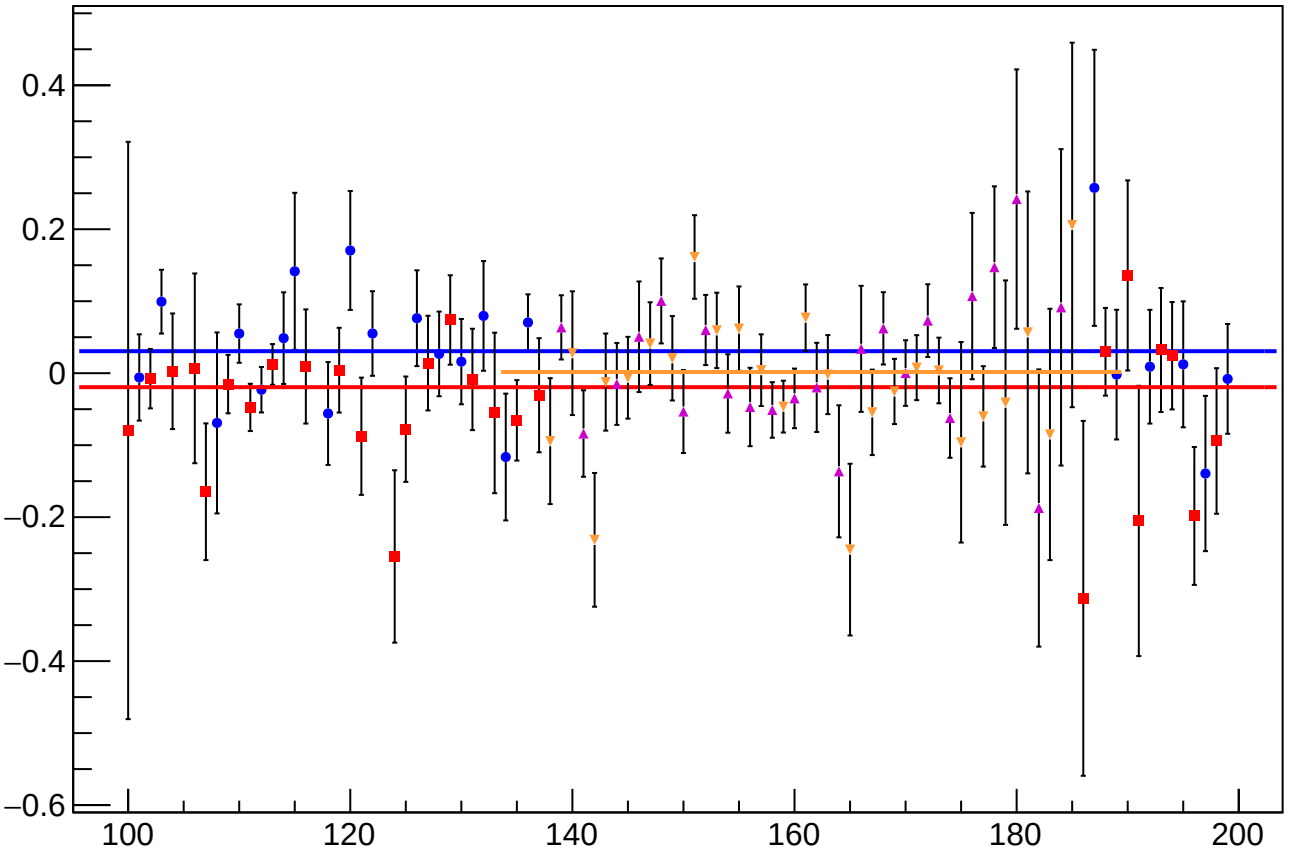
Left: 0.000+/-0.000 χ^2/NDF: 3428363.2/47

Right: 0.000+/-0.000 χ^2/NDF: 7356644.5/48

In: 0.000+/-0.000 χ^2/NDF:6772377.5/44

Out: 0.000+/-0.000 χ^2/NDF:8759922.4/51

All: 0.000+/-0.000 χ^2/NDF: 15579583.6/96



Right In: 0.031+/-0.013 χ^2/NDF: 21.5/21

Left Out: 0.002+/-0.012 χ^2/NDF:30.4/24

Right Out: -0.019+/-0.012 χ^2/NDF: 22.5/26

Left In: 0.002+/-0.012 χ^2/NDF:26.1/22

Left: 0.002+/-0.009 χ^2/NDF: 56.5/47

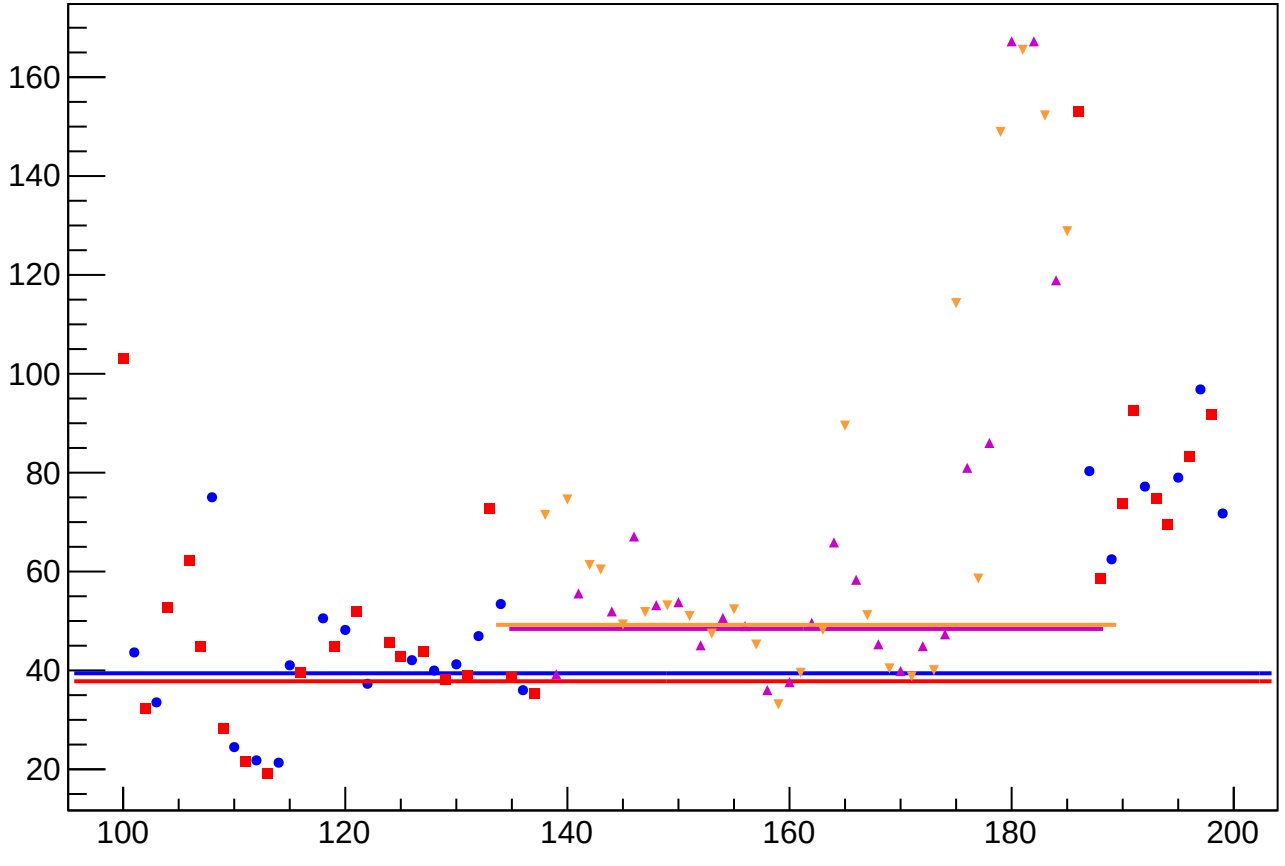
Right: 0.004+/-0.009 χ^2/NDF: 51.8/48

In: 0.015+/-0.009 χ^2/NDF:50.1/44

Out: -0.009+/-0.009 χ^2/NDF:54.4/51

All: 0.003+/-0.006 χ^2/NDF: 108.3/96

asym_sam_3748_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 39.422+/-0.009 χ^2/NDF: 3440027.1/21

Left Out: 49.216+/-0.009 χ^2/NDF:4171670.0/24

Right Out: 37.804+/-0.009 χ^2/NDF: 4767626.5/26

Left In: 48.392+/-0.009 χ^2/NDF:3033240.8/22

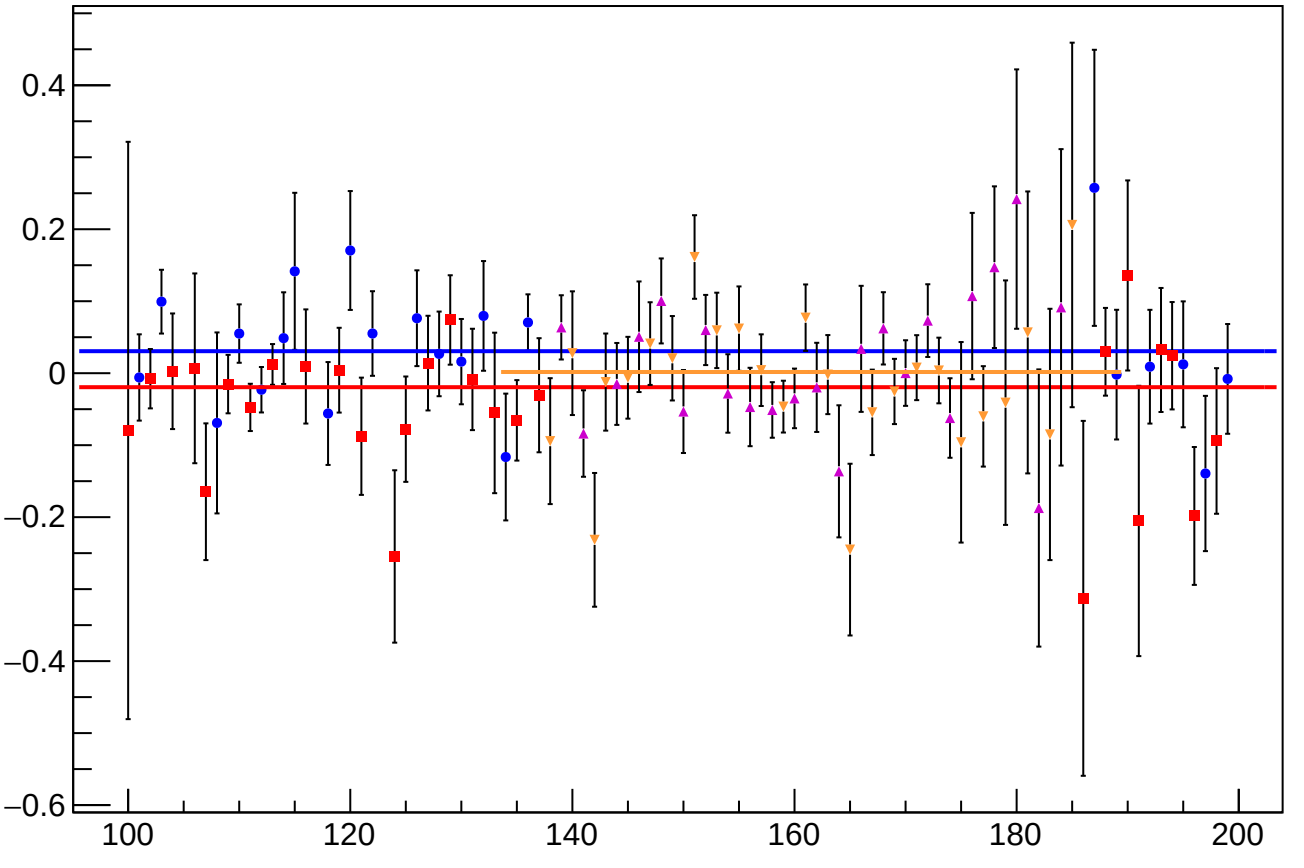
Left: 48.807+/-0.006 χ^2/NDF: 7209372.0/47

Right: 38.560+/-0.006 χ^2/NDF: 8224038.2/48

In: 44.143+/-0.006 χ^2/NDF:6971495.3/44

Out: 43.473+/-0.006 χ^2/NDF:9806092.1/51

All: 43.796+/-0.004 χ^2/NDF: 16783352.6/96



Right In: 0.031+/-0.013 χ^2/NDF: 21.5/21

Left Out: 0.002+/-0.012 χ^2/NDF:30.4/24

Right Out: -0.019+/-0.012 χ^2/NDF: 22.5/26

Left In: 0.002+/-0.012 χ^2/NDF:26.1/22

Left: 0.002+/-0.009 χ^2/NDF: 56.5/47

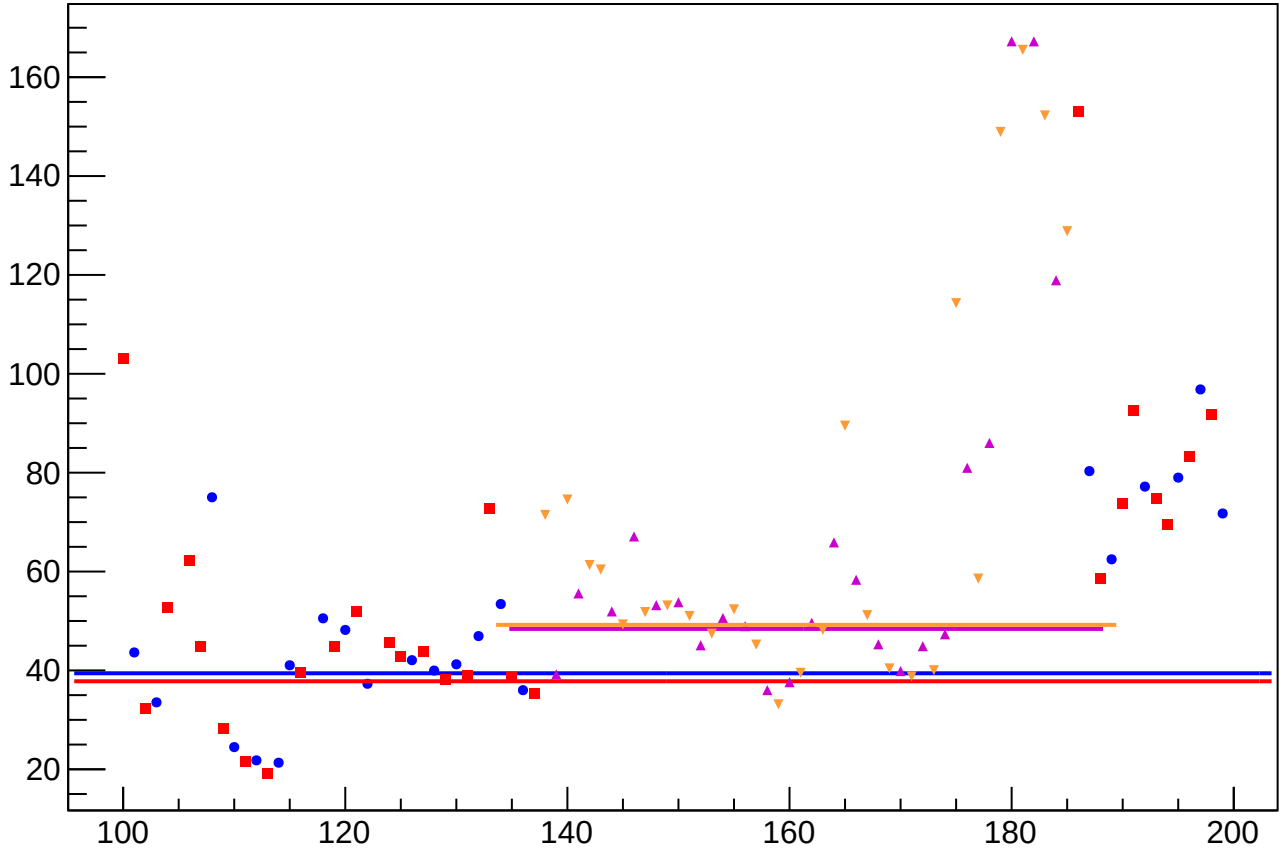
Right: 0.004+/-0.009 χ^2/NDF: 51.8/48

In: 0.015+/-0.009 χ^2/NDF:50.1/44

Out: -0.009+/-0.009 χ^2/NDF:54.4/51

All: 0.003+/-0.006 χ^2/NDF: 108.3/96

asym_sam_3748_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 39.422+/-0.009 χ^2/NDF: 3440027.1/21

Left Out: 49.216+/-0.009 χ^2/NDF:4171670.0/24

Right Out: 37.804+/-0.009 χ^2/NDF: 4767626.5/26

Left In: 48.392+/-0.009 χ^2/NDF:3033240.8/22

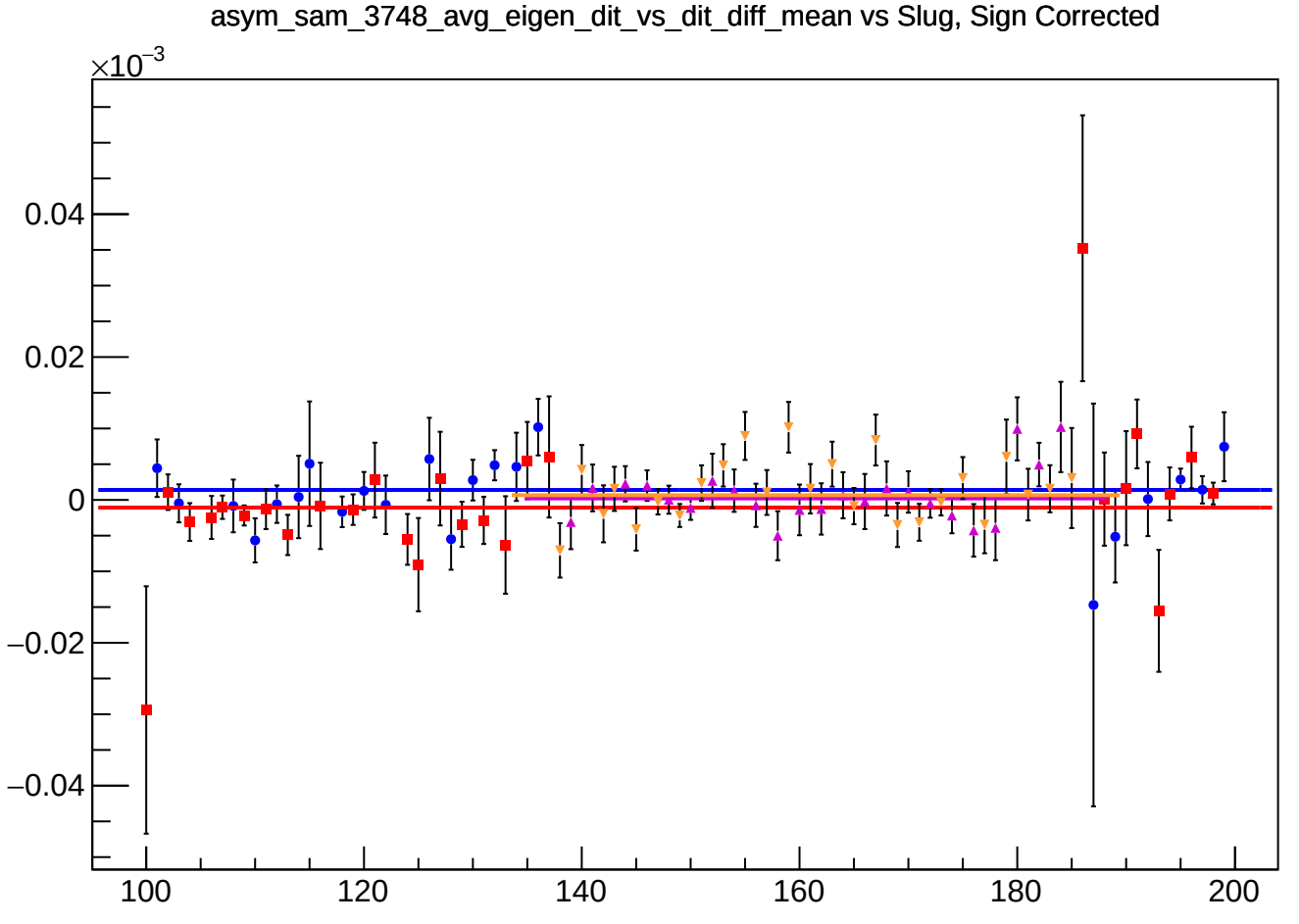
Left: 48.807+/-0.006 χ^2/NDF: 7209372.0/47

Right: 38.560+/-0.006 χ^2/NDF: 8224038.2/48

In: 44.143+/-0.006 χ^2/NDF:6971495.3/44

Out: 43.473+/-0.006 χ^2/NDF:9806092.1/51

All: 43.796+/-0.004 χ^2/NDF: 16783352.6/96



Right In: 0.000+/-0.000 χ^2/NDF: 25.1/21

Left Out: 0.000+/-0.000 χ^2/NDF:41.7/24

Right Out: -0.000+/-0.000 χ^2/NDF: 30.3/26

Left In: 0.000+/-0.000 χ^2/NDF:19.8/22

Left: 0.000+/-0.000 χ^2/NDF: 61.7/47

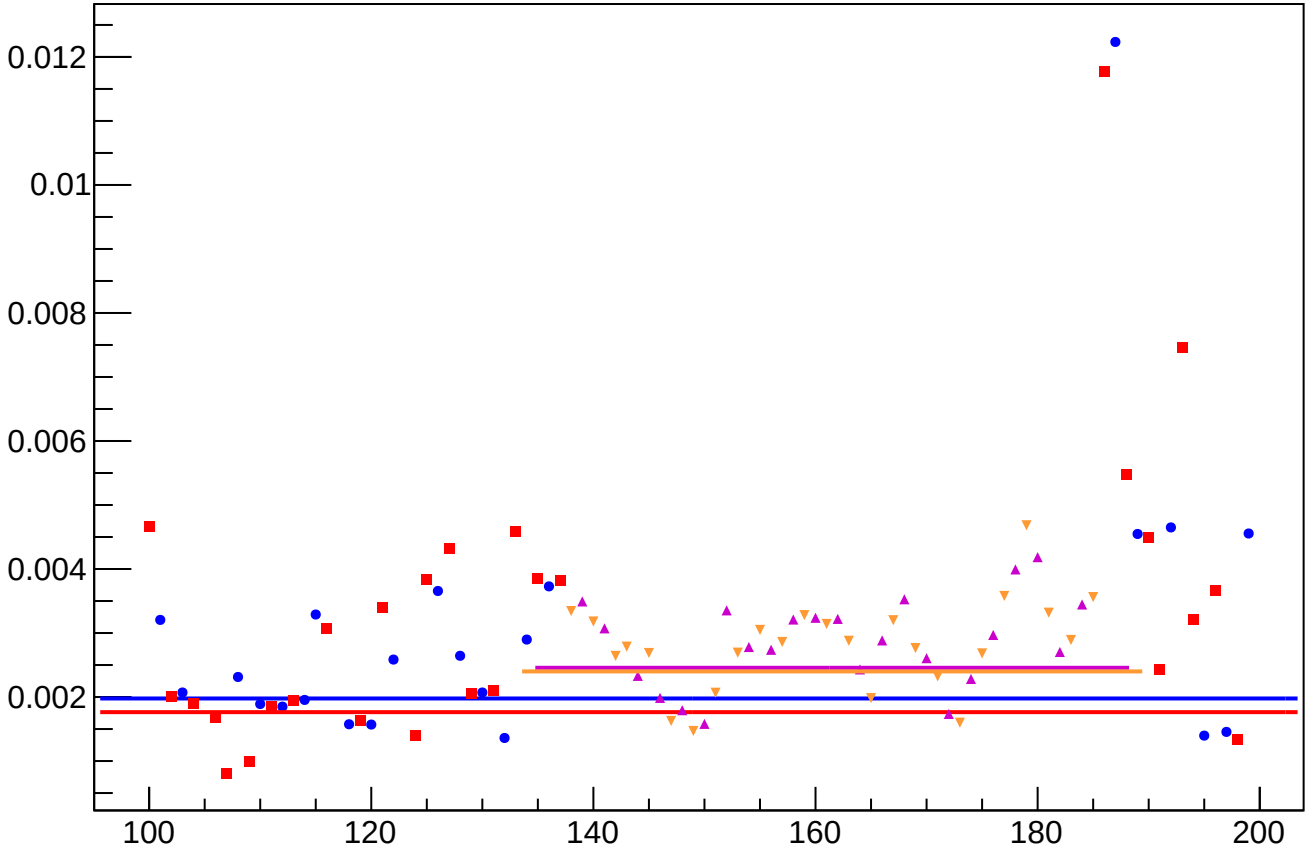
Right: 0.000+/-0.000 χ^2/NDF: 63.3/48

In: 0.000+/-0.000 χ^2/NDF:46.7/44

Out: -0.000+/-0.000 χ^2/NDF:76.4/51

All: 0.000+/-0.000 χ^2/NDF: 125.5/96

asym_sam_3748_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 3400520.1/21

Left Out: 0.002+/-0.000 χ^2/NDF:3123870.1/24

Right Out: 0.002+/-0.000 χ^2/NDF: 6244988.3/26

Left In: 0.002+/-0.000 χ^2/NDF:2629718.7/22

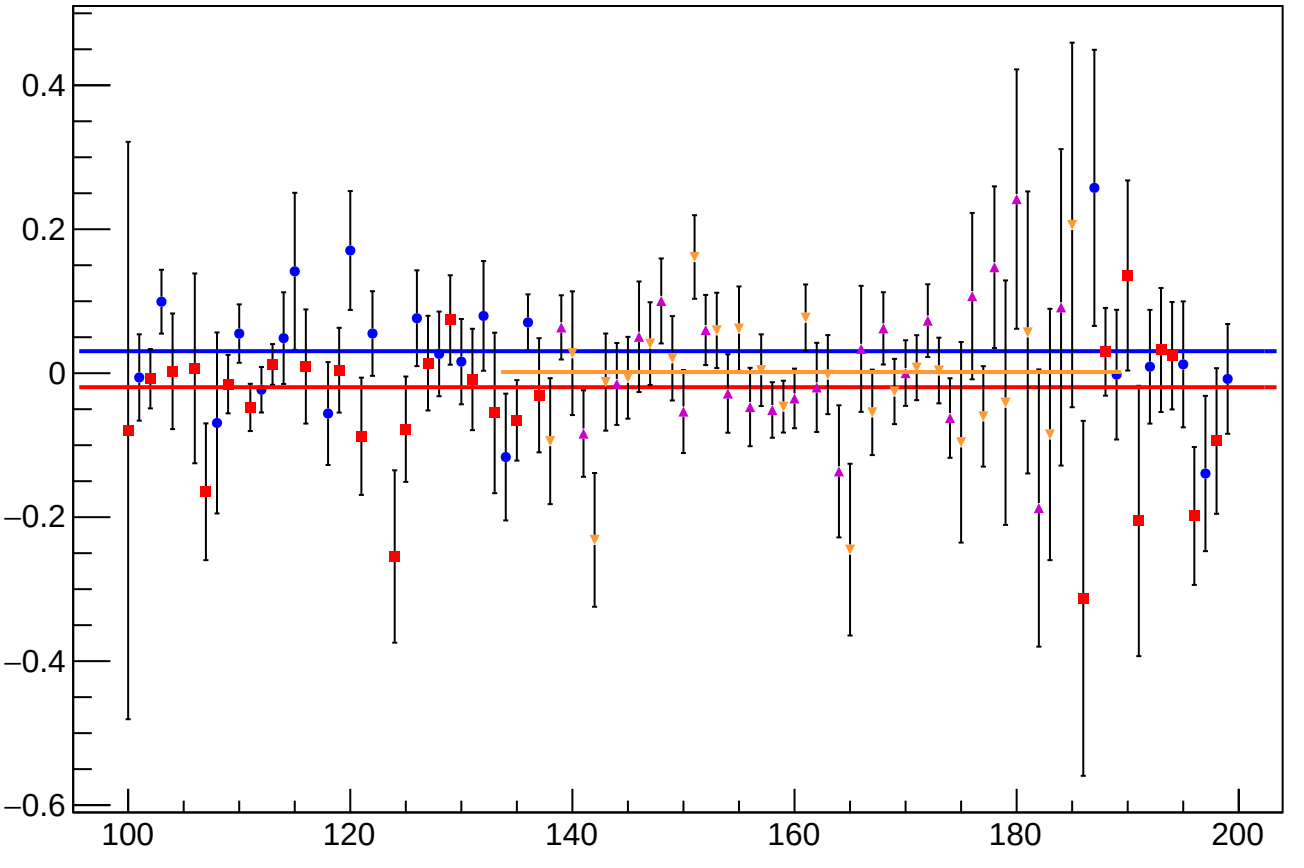
Left: 0.002+/-0.000 χ^2/NDF: 5762873.5/47

Right: 0.002+/-0.000 χ^2/NDF: 9763091.7/48

In: 0.002+/-0.000 χ^2/NDF:6612256.8/44

Out: 0.002+/-0.000 χ^2/NDF:10568025.9/51

All: 0.002+/-0.000 χ^2/NDF: 17297843.4/96



Right In: 0.031+/-0.013 χ^2/NDF: 21.5/21

Left Out: 0.002+/-0.012 χ^2/NDF:30.4/24

Right Out: -0.019+/-0.012 χ^2/NDF: 22.5/26

Left In: 0.002+/-0.012 χ^2/NDF:26.1/22

Left: 0.002+/-0.009 χ^2/NDF: 56.5/47

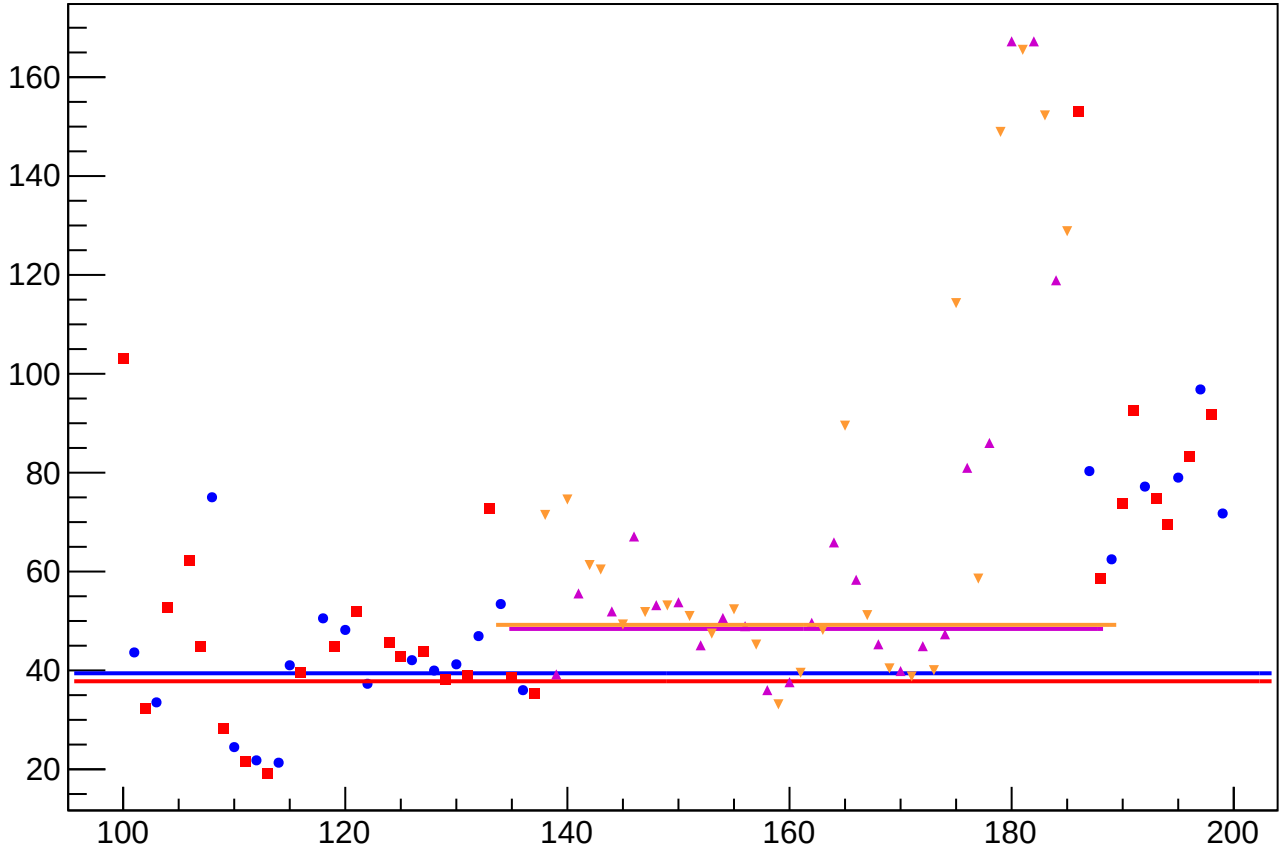
Right: 0.004+/-0.009 χ^2/NDF: 51.8/48

In: 0.015+/-0.009 χ^2/NDF:50.1/44

Out: -0.009+/-0.009 χ^2/NDF:54.4/51

All: 0.003+/-0.006 χ^2/NDF: 108.3/96

asym_sam_3748_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 39.422+/-0.009 χ^2/NDF: 3439928.5/21

Left Out: 49.217+/-0.009 χ^2/NDF:4171640.8/24

Right Out: 37.805+/-0.009 χ^2/NDF: 4767576.9/26

Left In: 48.393+/-0.009 χ^2/NDF:3033208.4/22

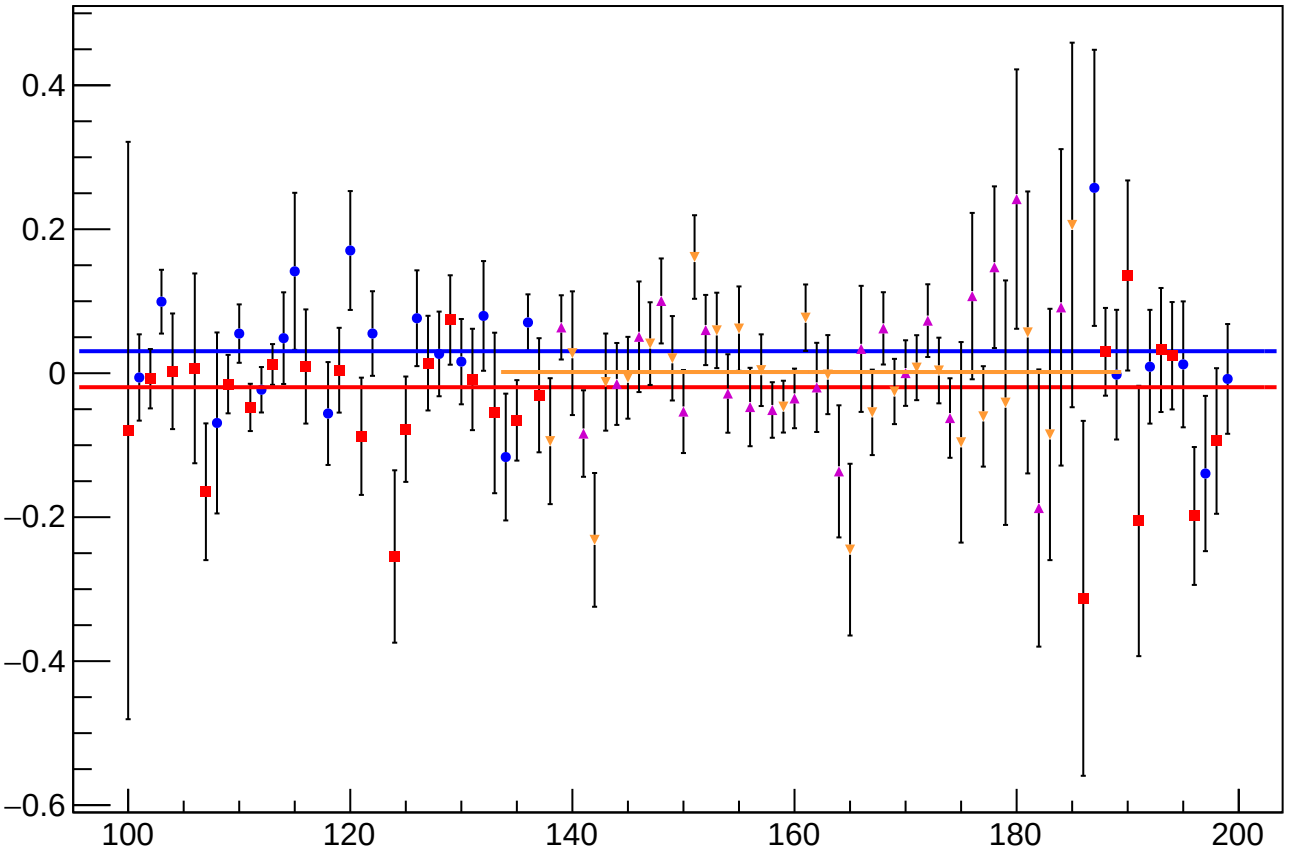
Left: 48.807+/-0.006 χ^2/NDF: 7209310.4/47

Right: 38.561+/-0.006 χ^2/NDF: 8223888.0/48

In: 44.143+/-0.006 χ^2/NDF:6971376.1/44

Out: 43.474+/-0.006 χ^2/NDF:9806014.3/51

All: 43.797+/-0.004 χ^2/NDF: 16783154.4/96



Right In: 0.031+/-0.013 χ^2/NDF: 21.5/21

Left Out: 0.002+/-0.012 χ^2/NDF:30.4/24

Right Out: -0.019+/-0.012 χ^2/NDF: 22.5/26

Left In: 0.002+/-0.012 χ^2/NDF:26.1/22

Left: 0.002+/-0.009 χ^2/NDF: 56.5/47

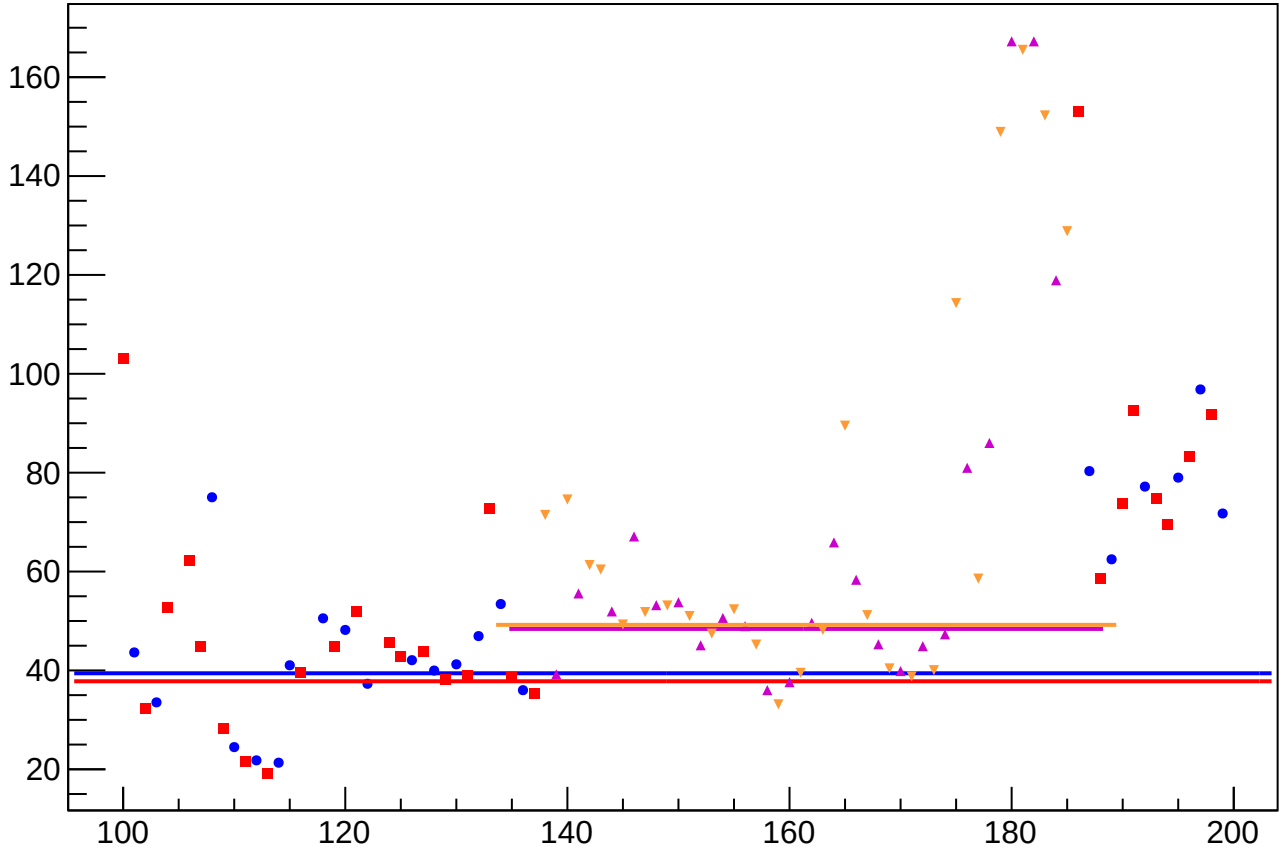
Right: 0.004+/-0.009 χ^2/NDF: 51.8/48

In: 0.015+/-0.009 χ^2/NDF:50.1/44

Out: -0.009+/-0.009 χ^2/NDF:54.4/51

All: 0.003+/-0.006 χ^2/NDF: 108.3/96

asym_sam_3748_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 39.422+/-0.009 χ^2/NDF: 3439928.5/21

Left Out: 49.217+/-0.009 χ^2/NDF:4171640.8/24

Right Out: 37.805+/-0.009 χ^2/NDF: 4767576.9/26

Left In: 48.393+/-0.009 χ^2/NDF:3033208.4/22

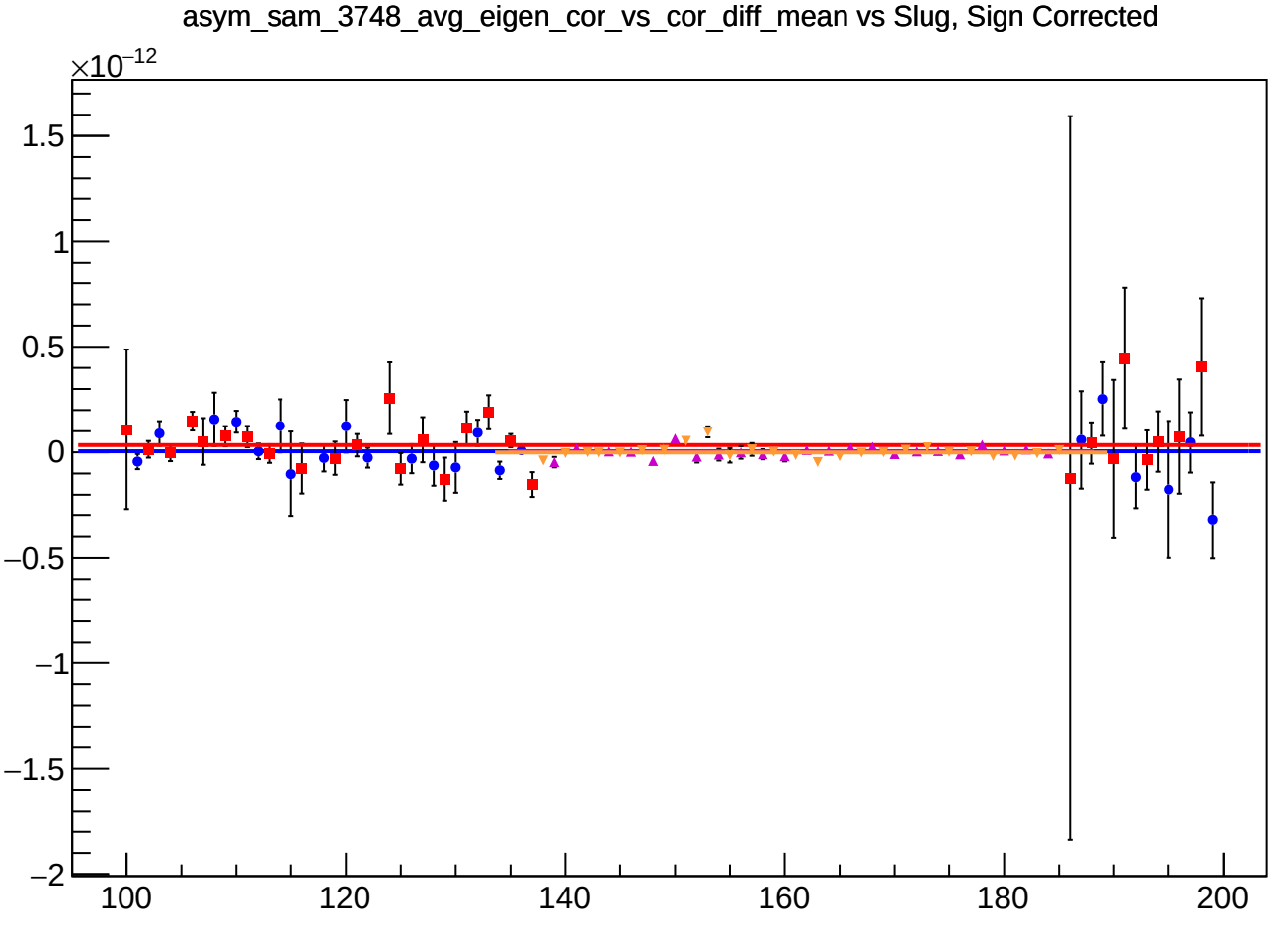
Left: 48.807+/-0.006 χ^2/NDF: 7209310.4/47

Right: 38.561+/-0.006 χ^2/NDF: 8223888.0/48

In: 44.143+/-0.006 χ^2/NDF:6971376.1/44

Out: 43.474+/-0.006 χ^2/NDF:9806014.3/51

All: 43.797+/-0.004 χ^2/NDF: 16783154.4/96



Right In: 0.000+/-0.000 χ^2/NDF: 30.0/21

Left Out: -0.000+/-0.000 χ^2/NDF:37.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 36.6/26

Left In: 0.000+/-0.000 χ^2/NDF:28.4/22

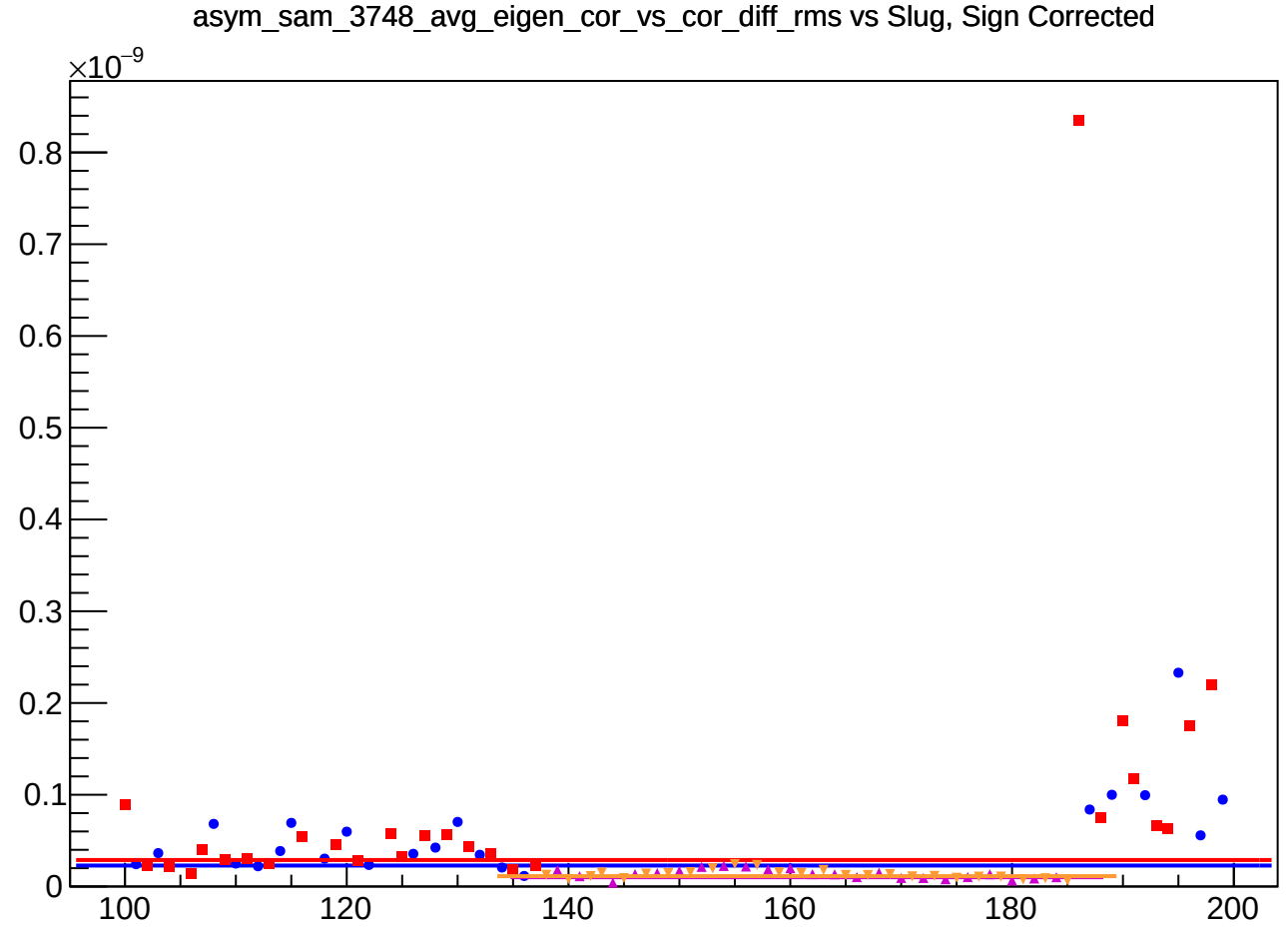
Left: 0.000+/-0.000 χ^2/NDF: 67.2/47

Right: 0.000+/-0.000 χ^2/NDF: 69.6/48

In: 0.000+/-0.000 χ^2/NDF:58.4/44

Out: 0.000+/-0.000 χ^2/NDF:80.6/51

All: 0.000+/-0.000 χ^2/NDF: 139.8/96



Right In: 0.000+/-0.000 χ^2/NDF: 4440190.7/21

Left Out: 0.000+/-0.000 χ^2/NDF:2206266.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4171572.3/26

Left In: 0.000+/-0.000 χ^2/NDF:4024430.8/22

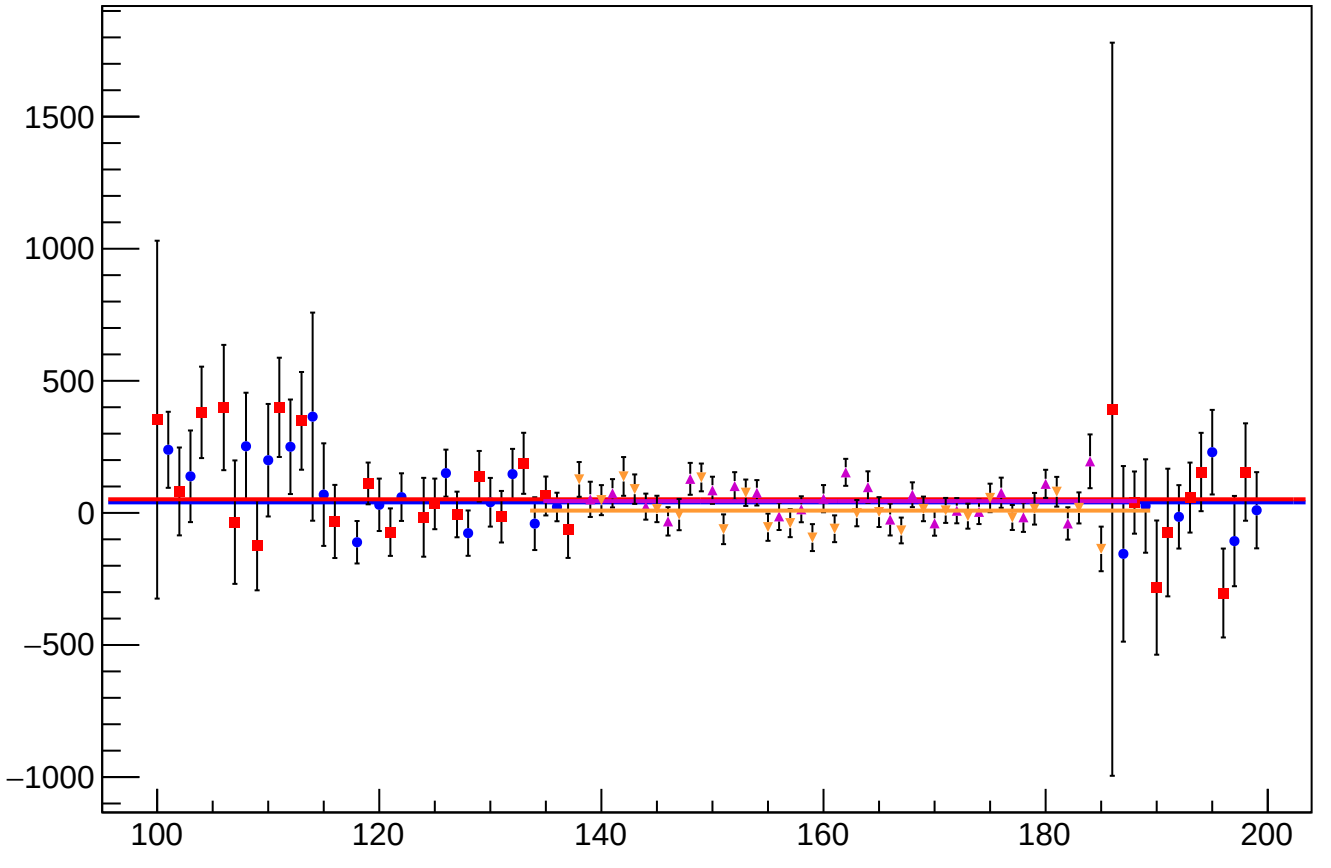
Left: 0.000+/-0.000 χ^2/NDF: 6357070.7/47

Right: 0.000+/-0.000 χ^2/NDF: 8861831.8/48

In: 0.000+/-0.000 χ^2/NDF:10817856.6/44

Out: 0.000+/-0.000 χ^2/NDF:9932248.1/51

All: 0.000+/-0.000 χ^2/NDF: 20923257.4/96



Right In: 39.892+/-23.998 χ^2/NDF: 17.7/21

Left Out: 8.756+/-10.770 χ^2/NDF:34.6/24

Right Out: 51.551+/-24.581 χ^2/NDF: 27.8/26

Left In: 44.541+/-11.149 χ^2/NDF:27.0/22

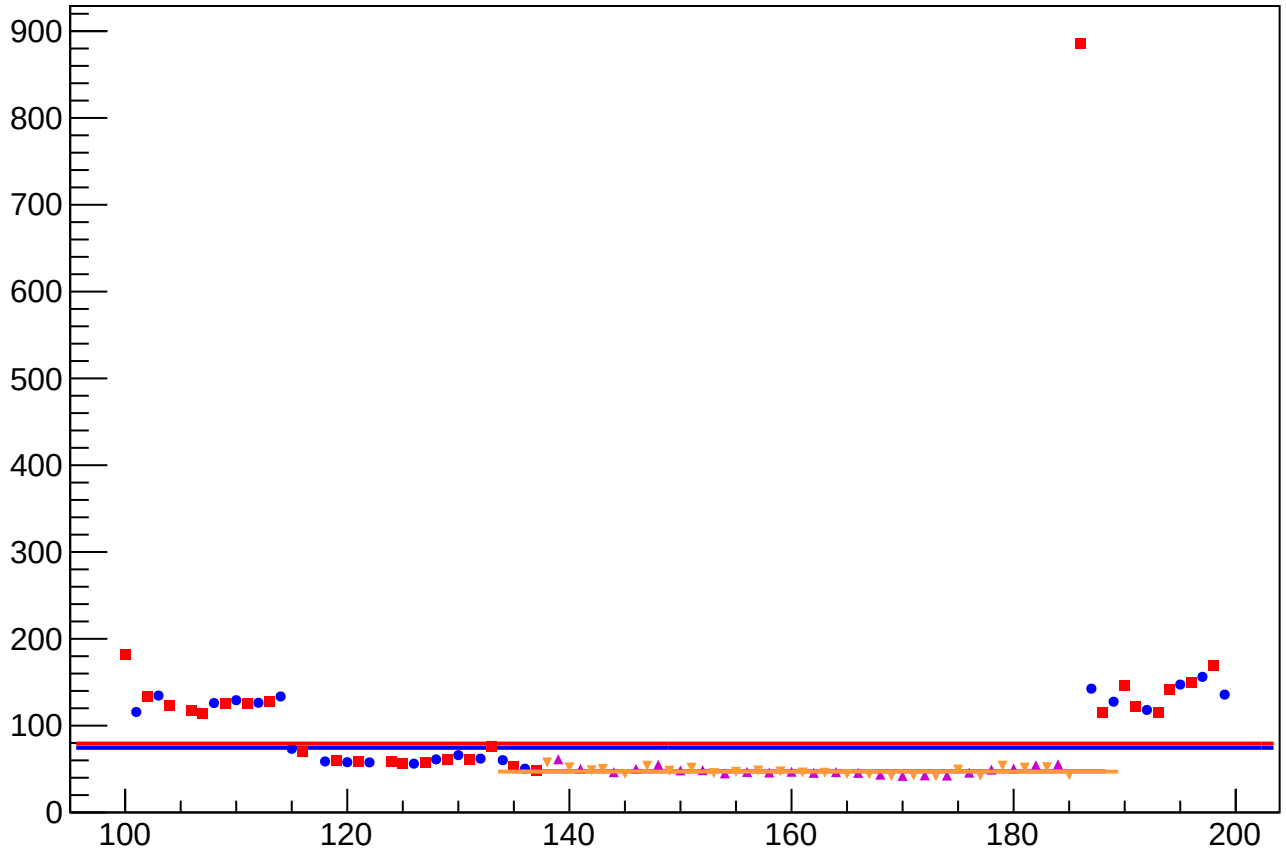
Left: 26.030+/-7.746 χ^2/NDF: 66.9/47

Right: 45.582+/-17.172 χ^2/NDF: 45.7/48

In: 43.716+/-10.111 χ^2/NDF:44.8/44

Out: 15.648+/-9.864 χ^2/NDF:65.0/51

All: 29.335+/-7.061 χ^2/NDF: 113.7/96



Right In: 74.470+/-0.017 χ^2/NDF: 3465662.8/21

Left Out: 47.064+/-0.008 χ^2/NDF:287590.7/24

Right Out: 79.329+/-0.017 χ^2/NDF: 4338385.4/26

Left In: 47.384+/-0.008 χ^2/NDF:271036.5/22

Left: 47.218+/-0.005 χ^2/NDF: 559476.9/47

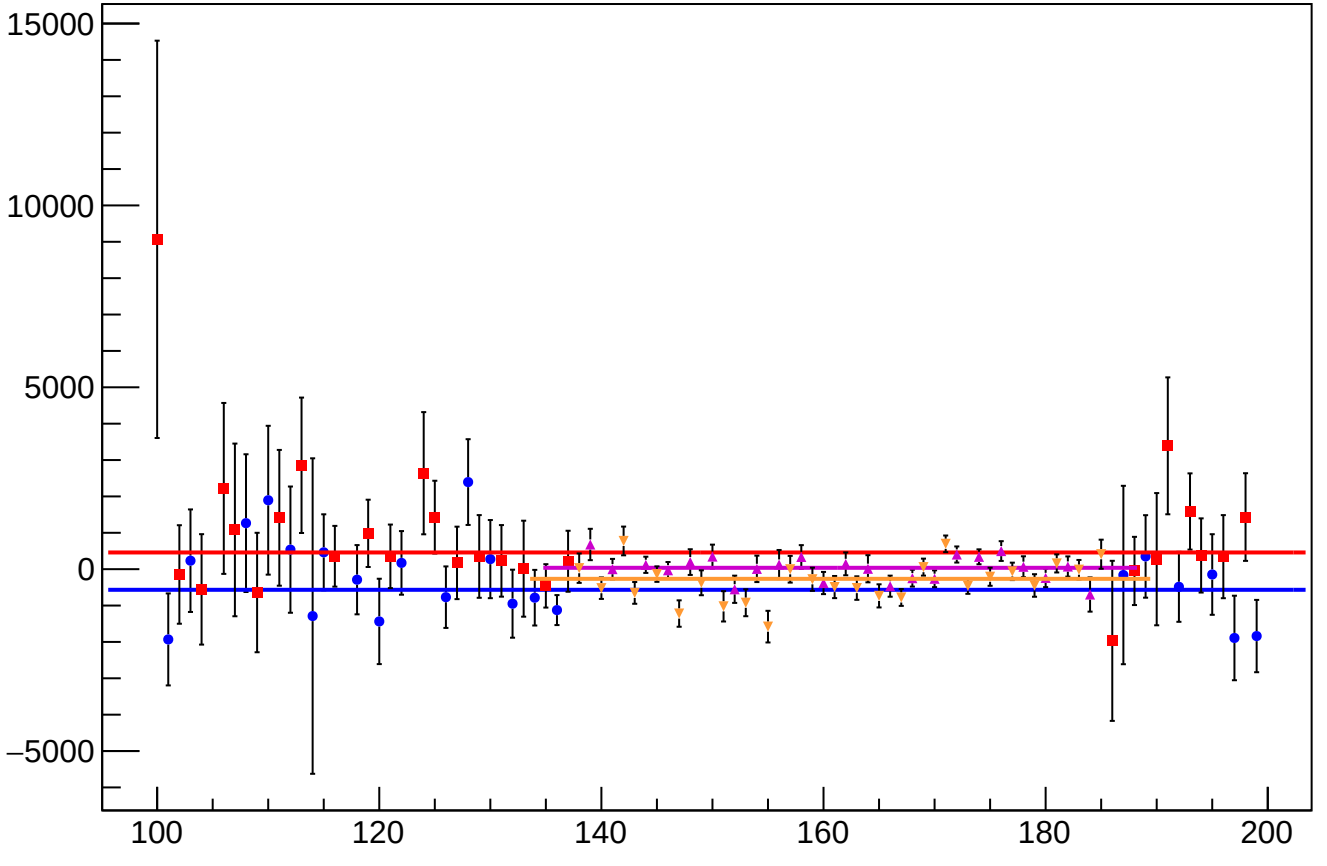
Right: 76.842+/-0.012 χ^2/NDF: 7844060.0/48

In: 52.192+/-0.007 χ^2/NDF:5832304.0/44

Out: 52.260+/-0.007 χ^2/NDF:7516992.7/51

All: 52.227+/-0.005 χ^2/NDF: 13349343.9/96

asym_sam_1526_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -567.175+/-211.272 χ^2/NDF: 19.5/21

Left Out: -265.684+/-58.031 χ^2/NDF:69.8/24

Right Out: 459.238+/-221.036 χ^2/NDF: 17.6/26

Left In: 37.530+/-59.159 χ^2/NDF:26.6/22

Left: -116.996+/-41.427 χ^2/NDF: 109.8/47

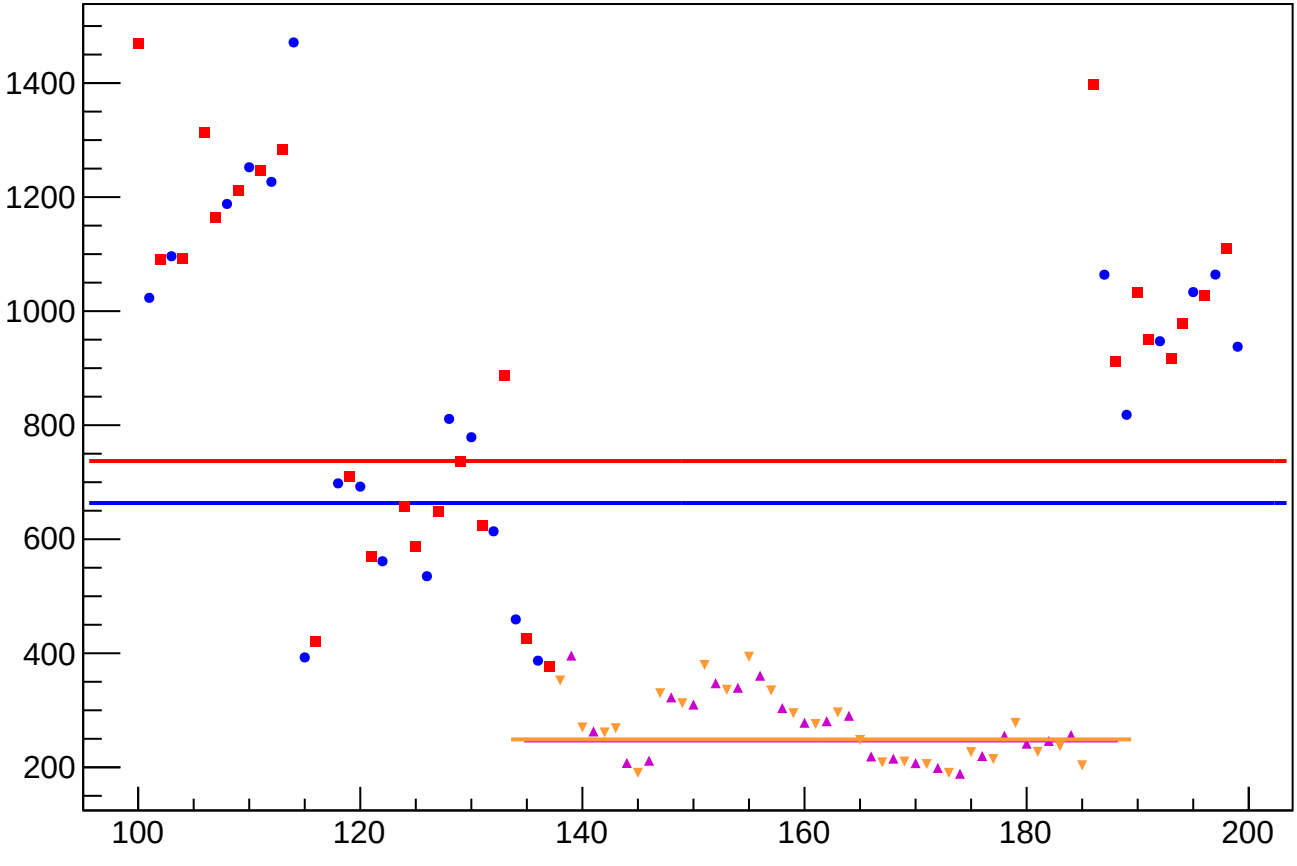
Right: -77.137+/-152.727 χ^2/NDF: 48.3/48

In: -6.437+/-56.968 χ^2/NDF:53.7/44

Out: -218.938+/-56.129 χ^2/NDF:97.5/51

All: -114.264+/-39.983 χ^2/NDF: 158.2/96

asym_sam_1526_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 663.507+/-0.149 χ^2/NDF: 3140981.0/21

Left Out: 248.891+/-0.041 χ^2/NDF:1663709.5/24

Right Out: 737.129+/-0.156 χ^2/NDF: 3167816.5/26

Left In: 247.109+/-0.042 χ^2/NDF:1484450.6/22

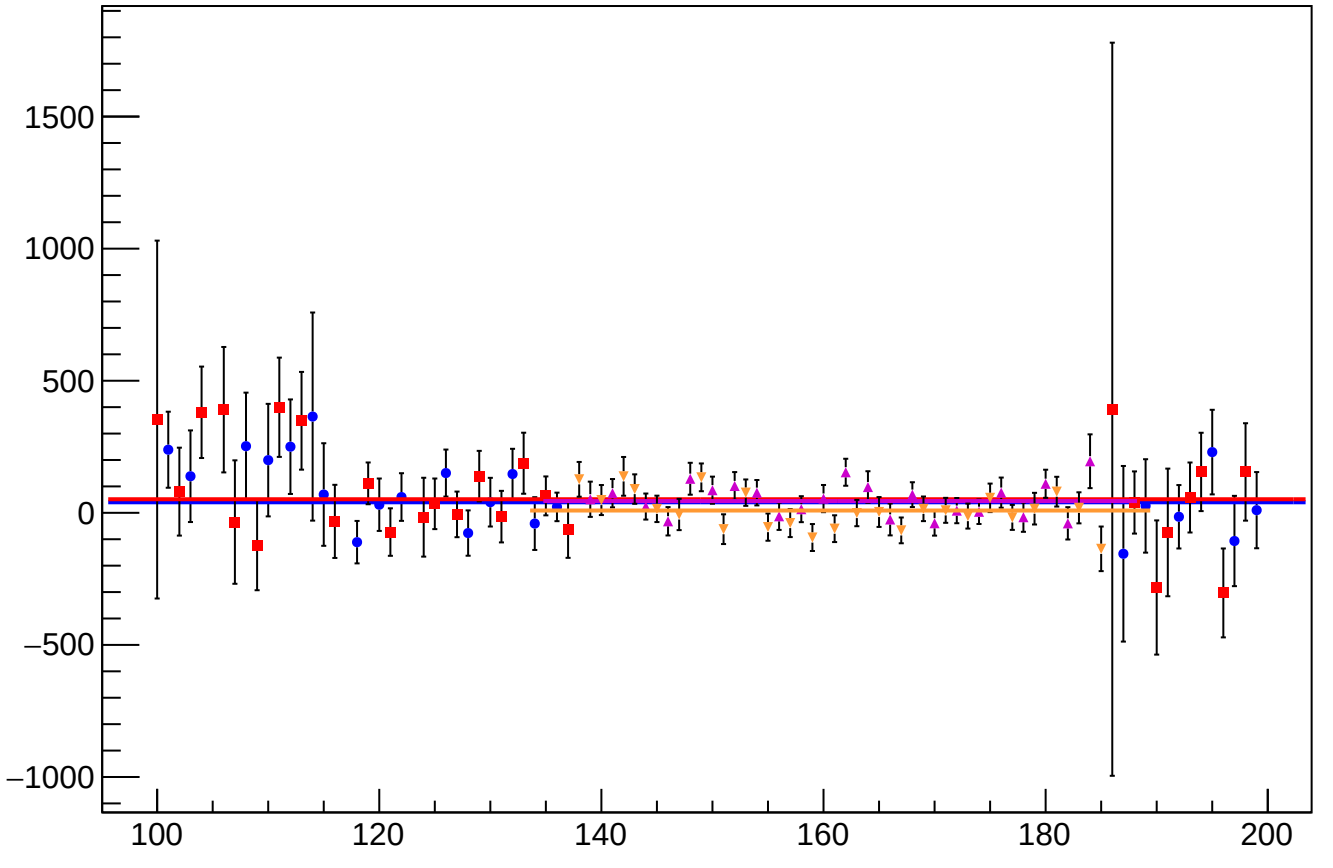
Left: 248.017+/-0.029 χ^2/NDF: 3149084.7/47

Right: 698.656+/-0.108 χ^2/NDF: 6424747.5/48

In: 277.384+/-0.040 χ^2/NDF:11829498.8/44

Out: 280.374+/-0.040 χ^2/NDF:13960455.7/51

All: 278.902+/-0.028 χ^2/NDF: 25792749.9/96



Right In: 39.885+/-23.998 χ^2/NDF: 17.7/21

Left Out: 8.758+/-10.770 χ^2/NDF:34.6/24

Right Out: 51.424+/-24.581 χ^2/NDF: 27.7/26

Left In: 44.540+/-11.149 χ^2/NDF:27.0/22

Left: 26.030+/-7.746 χ^2/NDF: 66.9/47

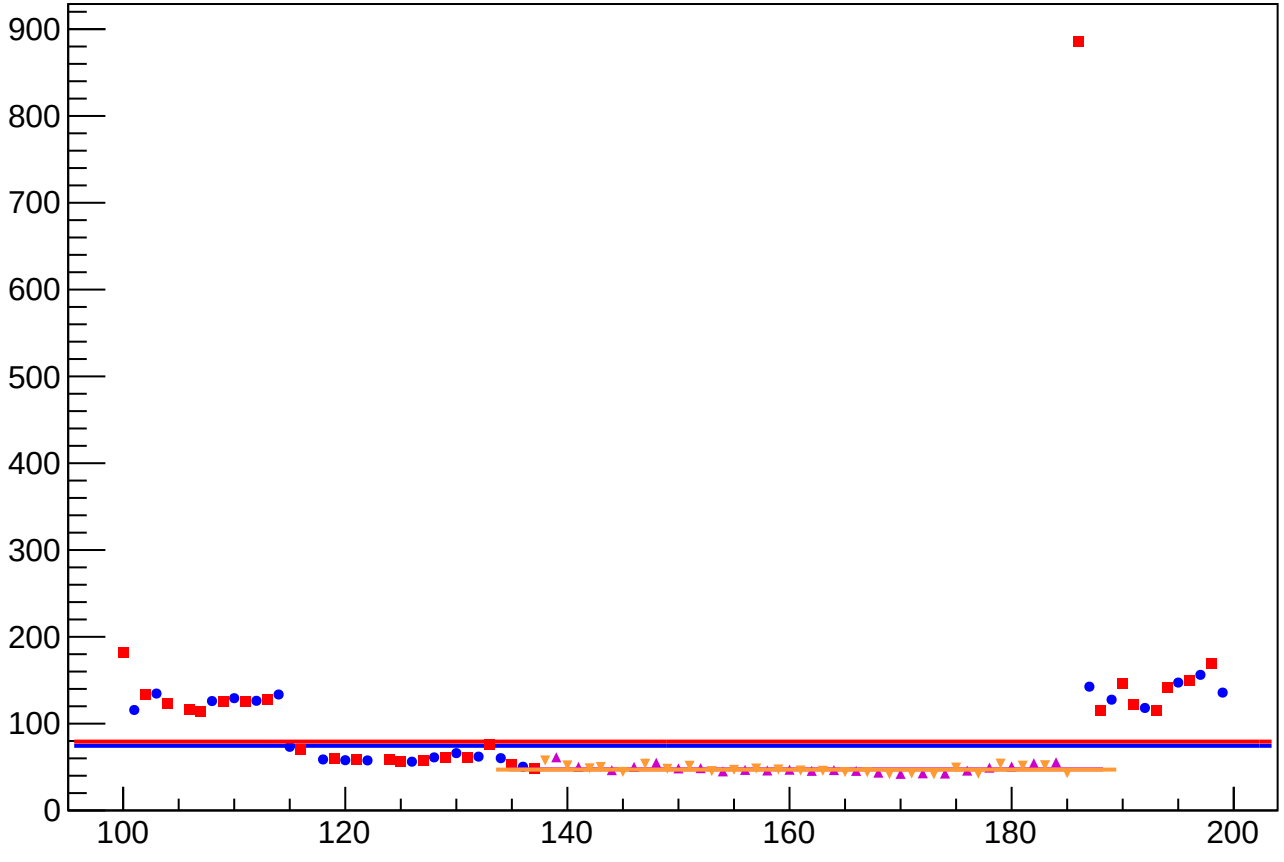
Right: 45.516+/-17.172 χ^2/NDF: 45.6/48

In: 43.714+/-10.111 χ^2/NDF:44.8/44

Out: 15.629+/-9.864 χ^2/NDF:64.9/51

All: 29.325+/-7.061 χ^2/NDF: 113.6/96

cor_asym_sam_1526_avg_rms vs Slug, Sign Corrected



Right In: 74.470+/-0.017 χ^2/NDF: 3465665.1/21

Left Out: 47.064+/-0.008 χ^2/NDF:287590.7/24

Right Out: 79.318+/-0.017 χ^2/NDF: 4335876.2/26

Left In: 47.384+/-0.008 χ^2/NDF:271036.5/22

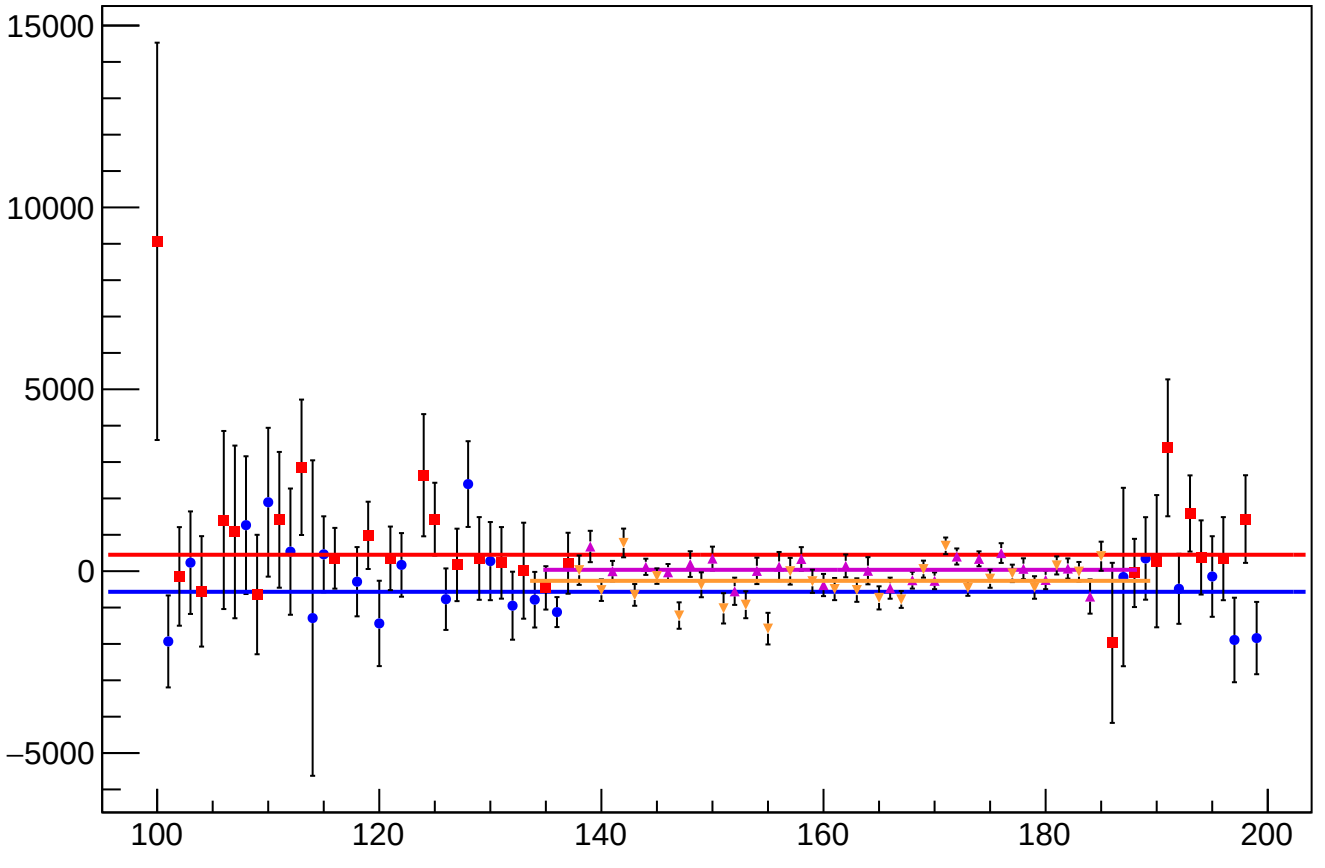
Left: 47.218+/-0.005 χ^2/NDF: 559476.9/47

Right: 76.836+/-0.012 χ^2/NDF: 7841362.6/48

In: 52.192+/-0.007 χ^2/NDF:5832306.0/44

Out: 52.258+/-0.007 χ^2/NDF:7512300.6/51

All: 52.226+/-0.005 χ^2/NDF: 13344651.1/96



Right In: -567.163+/-211.273 χ^2/NDF: 19.5/21

Left Out: -265.680+/-58.031 χ^2/NDF:69.8/24

Right Out: 451.453+/-221.117 χ^2/NDF: 17.2/26

Left In: 37.527+/-59.159 χ^2/NDF:26.6/22

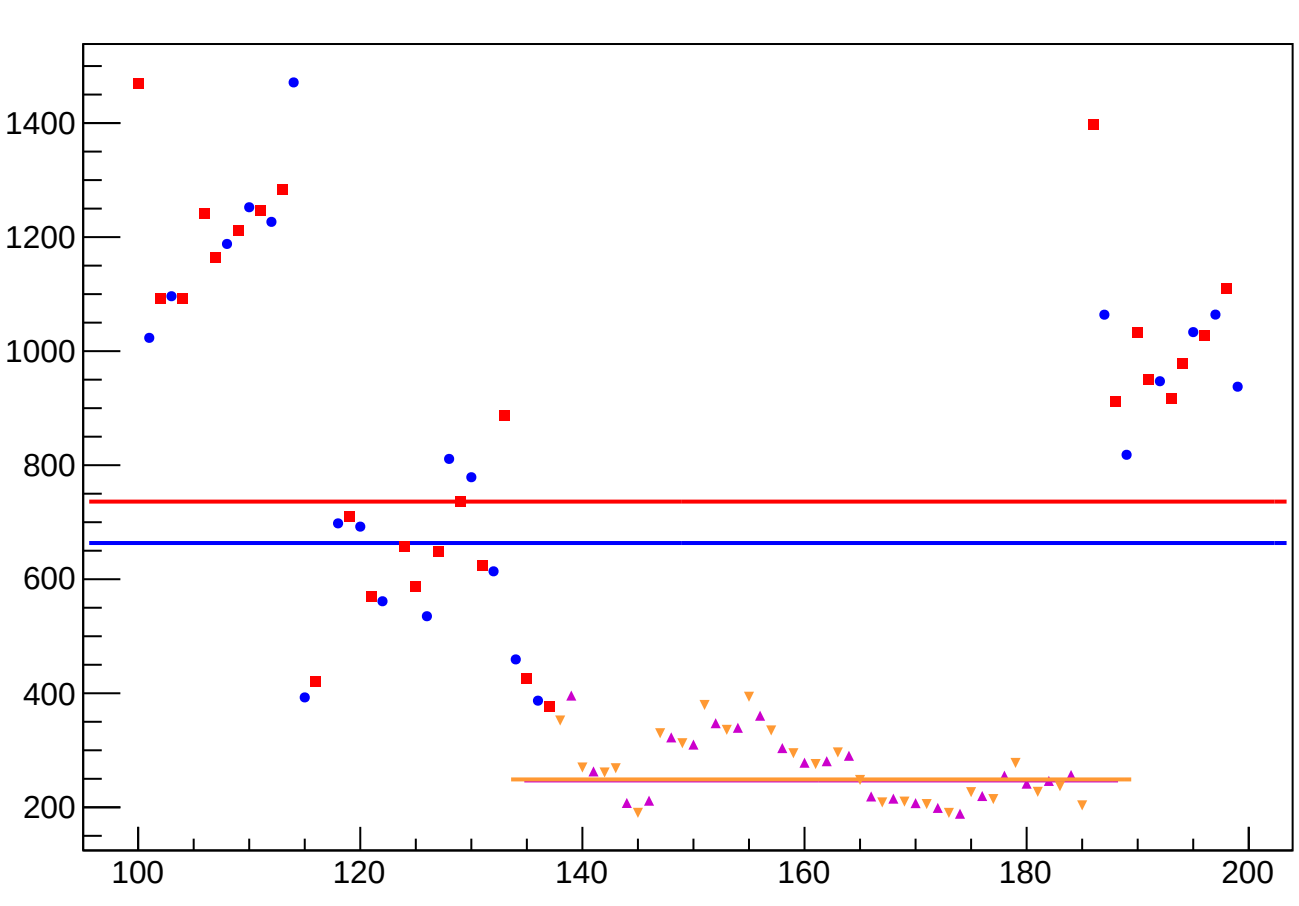
Left: -116.996+/-41.427 χ^2/NDF: 109.8/47

Right: -81.034+/-152.754 χ^2/NDF: 47.7/48

In: -6.439+/-56.968 χ^2/NDF:53.7/44

Out: -219.468+/-56.130 χ^2/NDF:96.8/51

All: -114.532+/-39.983 χ^2/NDF: 157.6/96



Right In: 663.507+/-0.149 χ^2/NDF: 3141019.4/21

Left Out: 248.891+/-0.041 χ^2/NDF:1663717.9/24

Right Out: 736.148+/-0.156 χ^2/NDF: 3132796.2/26

Left In: 247.109+/-0.042 χ^2/NDF:1484445.1/22

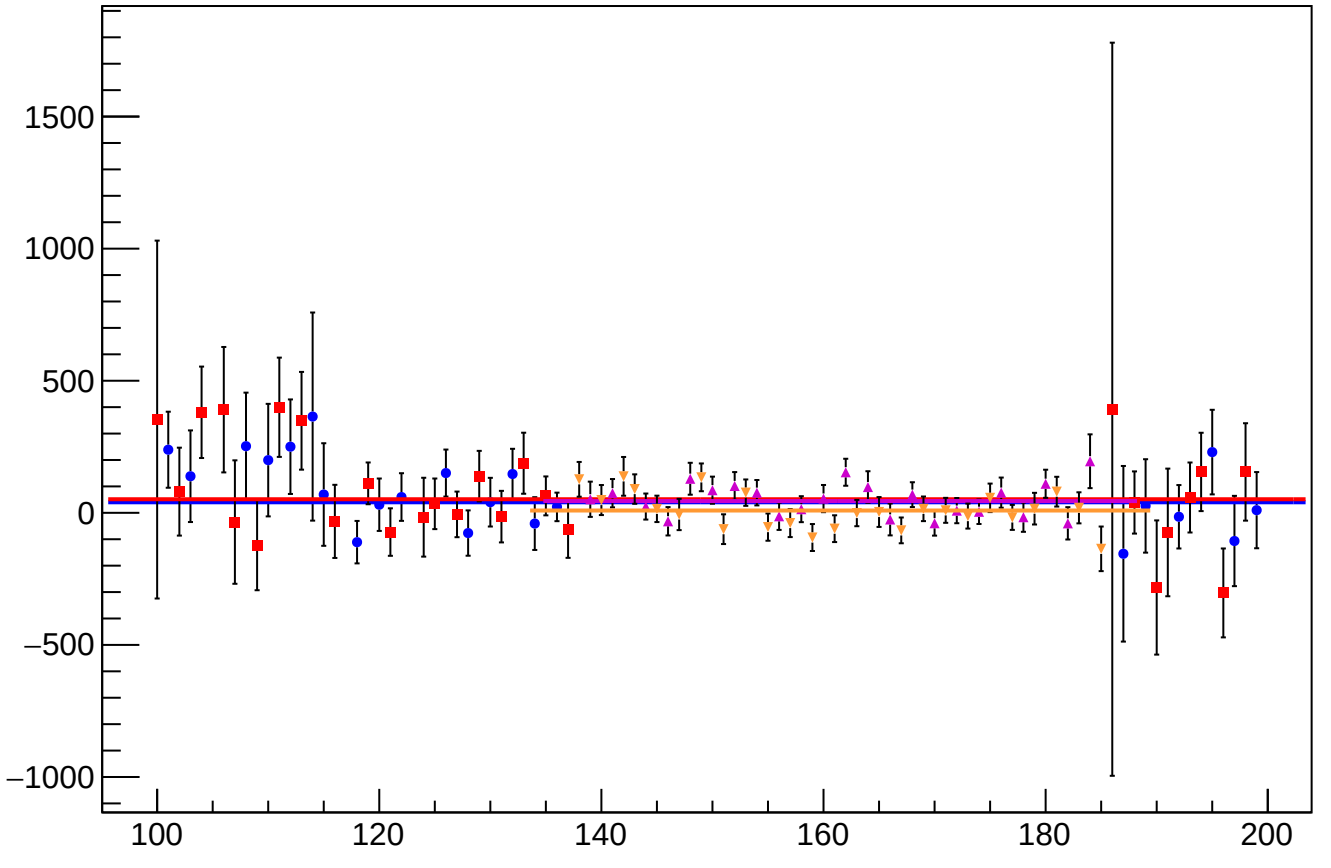
Left: 248.017+/-0.029 χ^2/NDF: 3149087.2/47

Right: 698.175+/-0.108 χ^2/NDF: 6386654.5/48

In: 277.384+/-0.040 χ^2/NDF:11829509.0/44

Out: 280.289+/-0.040 χ^2/NDF:13882570.4/51

All: 278.858+/-0.028 χ^2/NDF: 25714717.9/96



Right In: 39.885+/-23.998 χ^2/NDF: 17.7/21

Left Out: 8.758+/-10.770 χ^2/NDF:34.6/24

Right Out: 51.424+/-24.581 χ^2/NDF: 27.7/26

Left In: 44.540+/-11.149 χ^2/NDF:27.0/22

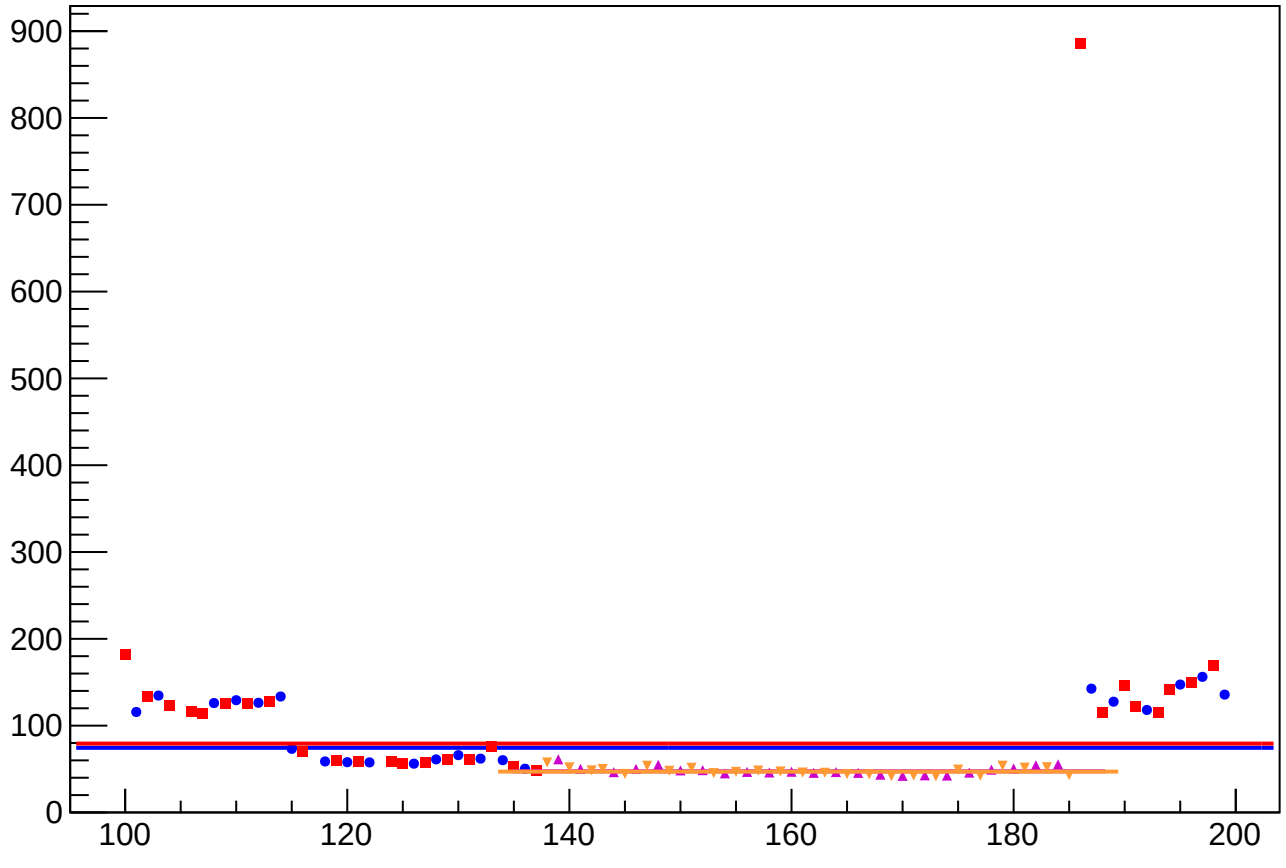
Left: 26.030+/-7.746 χ^2/NDF: 66.9/47

Right: 45.516+/-17.172 χ^2/NDF: 45.6/48

In: 43.714+/-10.111 χ^2/NDF:44.8/44

Out: 15.629+/-9.864 χ^2/NDF:64.9/51

All: 29.325+/-7.061 χ^2/NDF: 113.6/96



Right In: 74.470+/-0.017 χ^2/NDF: 3465665.1/21

Left Out: 47.064+/-0.008 χ^2/NDF:287590.7/24

Right Out: 79.318+/-0.017 χ^2/NDF: 4335876.2/26

Left In: 47.384+/-0.008 χ^2/NDF:271036.5/22

Left: 47.218+/-0.005 χ^2/NDF: 559476.9/47

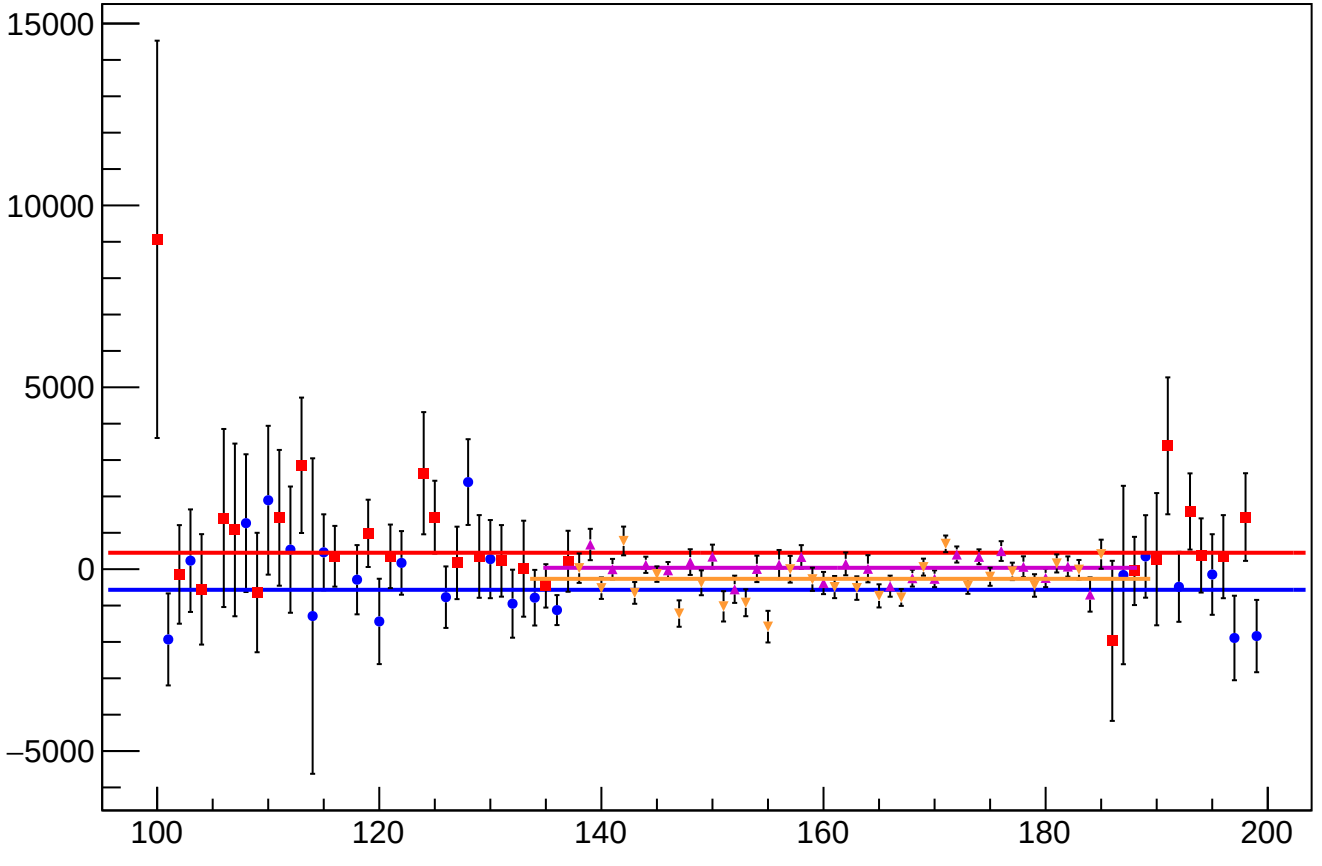
Right: 76.836+/-0.012 χ^2/NDF: 7841362.6/48

In: 52.192+/-0.007 χ^2/NDF:5832306.0/44

Out: 52.258+/-0.007 χ^2/NDF:7512300.6/51

All: 52.226+/-0.005 χ^2/NDF: 13344651.1/96

asym_sam_1526_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -567.163+/-211.273 χ^2/NDF: 19.5/21

Left Out: -265.680+/-58.031 χ^2/NDF:69.8/24

Right Out: 451.453+/-221.117 χ^2/NDF: 17.2/26

Left In: 37.527+/-59.159 χ^2/NDF:26.6/22

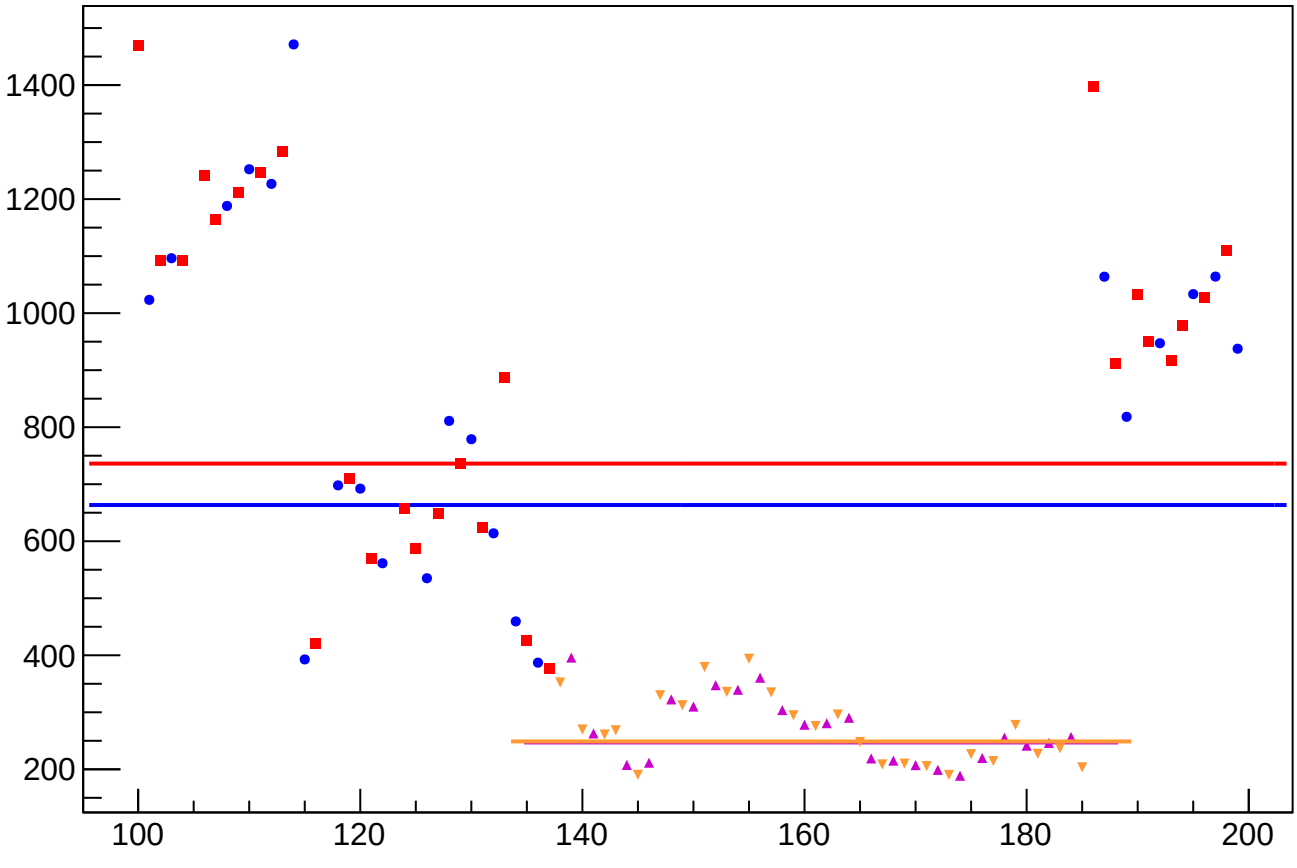
Left: -116.996+/-41.427 χ^2/NDF: 109.8/47

Right: -81.034+/-152.754 χ^2/NDF: 47.7/48

In: -6.439+/-56.968 χ^2/NDF:53.7/44

Out: -219.468+/-56.130 χ^2/NDF:96.8/51

All: -114.532+/-39.983 χ^2/NDF: 157.6/96



Right In: 663.507+/-0.149 χ^2/NDF: 3141019.4/21

Left Out: 248.891+/-0.041 χ^2/NDF:1663717.9/24

Right Out: 736.148+/-0.156 χ^2/NDF: 3132796.2/26

Left In: 247.109+/-0.042 χ^2/NDF:1484445.1/22

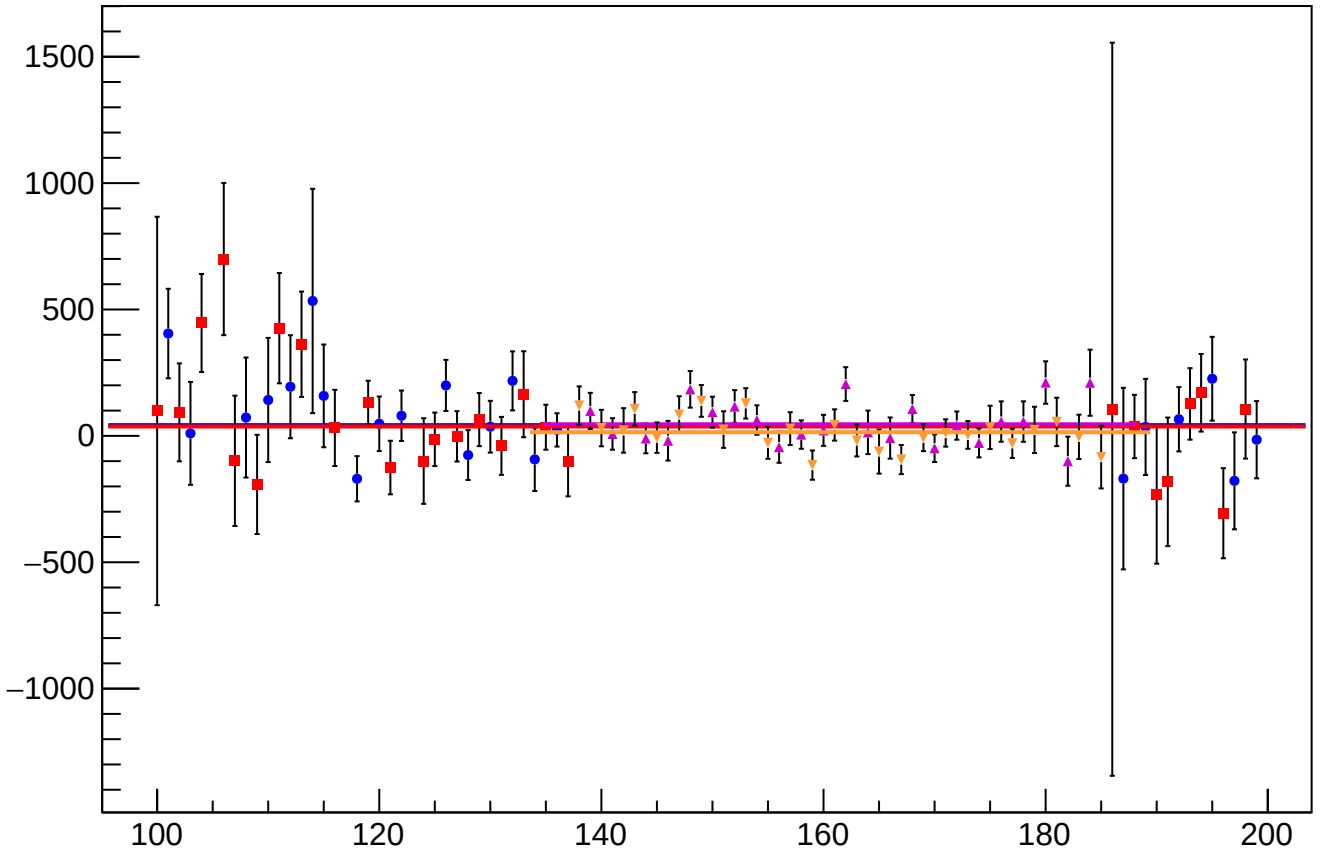
Left: 248.017+/-0.029 χ^2/NDF: 3149087.2/47

Right: 698.175+/-0.108 χ^2/NDF: 6386654.5/48

In: 277.384+/-0.040 χ^2/NDF:11829509.0/44

Out: 280.289+/-0.040 χ^2/NDF:13882570.4/51

All: 278.858+/-0.028 χ^2/NDF: 25714717.9/96



Right In: 42.451+/-27.508 χ^2/NDF: 22.7/21

Left Out: 14.498+/-13.454 χ^2/NDF:24.5/24

Right Out: 37.145+/-28.093 χ^2/NDF: 30.0/26

Left In: 45.806+/-13.931 χ^2/NDF:30.7/22

Left: 29.607+/-9.678 χ^2/NDF: 57.9/47

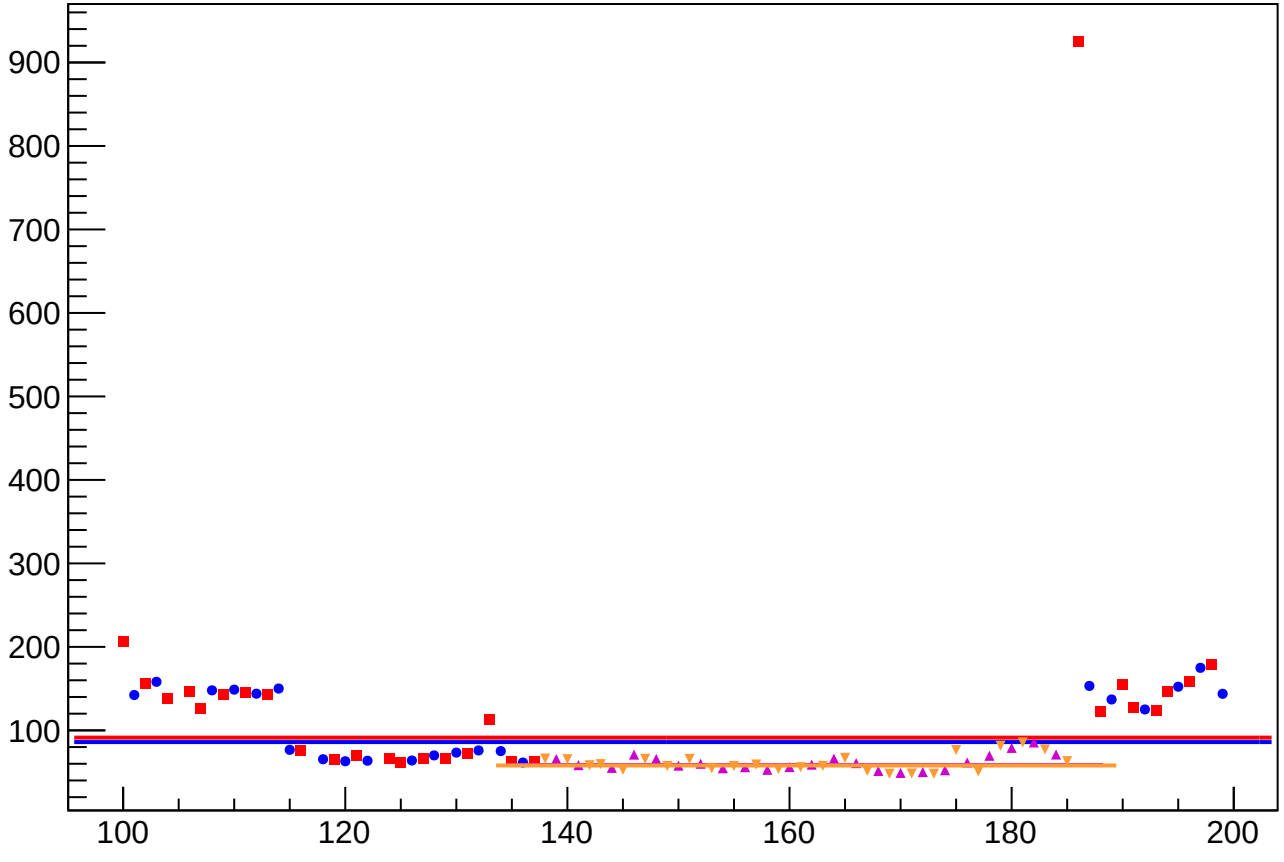
Right: 39.854+/-19.655 χ^2/NDF: 52.7/48

In: 45.121+/-12.428 χ^2/NDF:53.4/44

Out: 18.724+/-12.134 χ^2/NDF:55.1/51

All: 31.607+/-8.682 χ^2/NDF: 110.8/96

dit_asym_sam_1526_avg_rms vs Slug, Sign Corrected



Right In: 85.970+/-0.019 χ^2/NDF: 3148024.0/21

Left Out: 57.965+/-0.010 χ^2/NDF:896947.4/24

Right Out: 91.313+/-0.020 χ^2/NDF: 3952881.6/26

Left In: 58.479+/-0.010 χ^2/NDF:649919.9/22

Left: 58.213+/-0.007 χ^2/NDF: 1548274.7/47

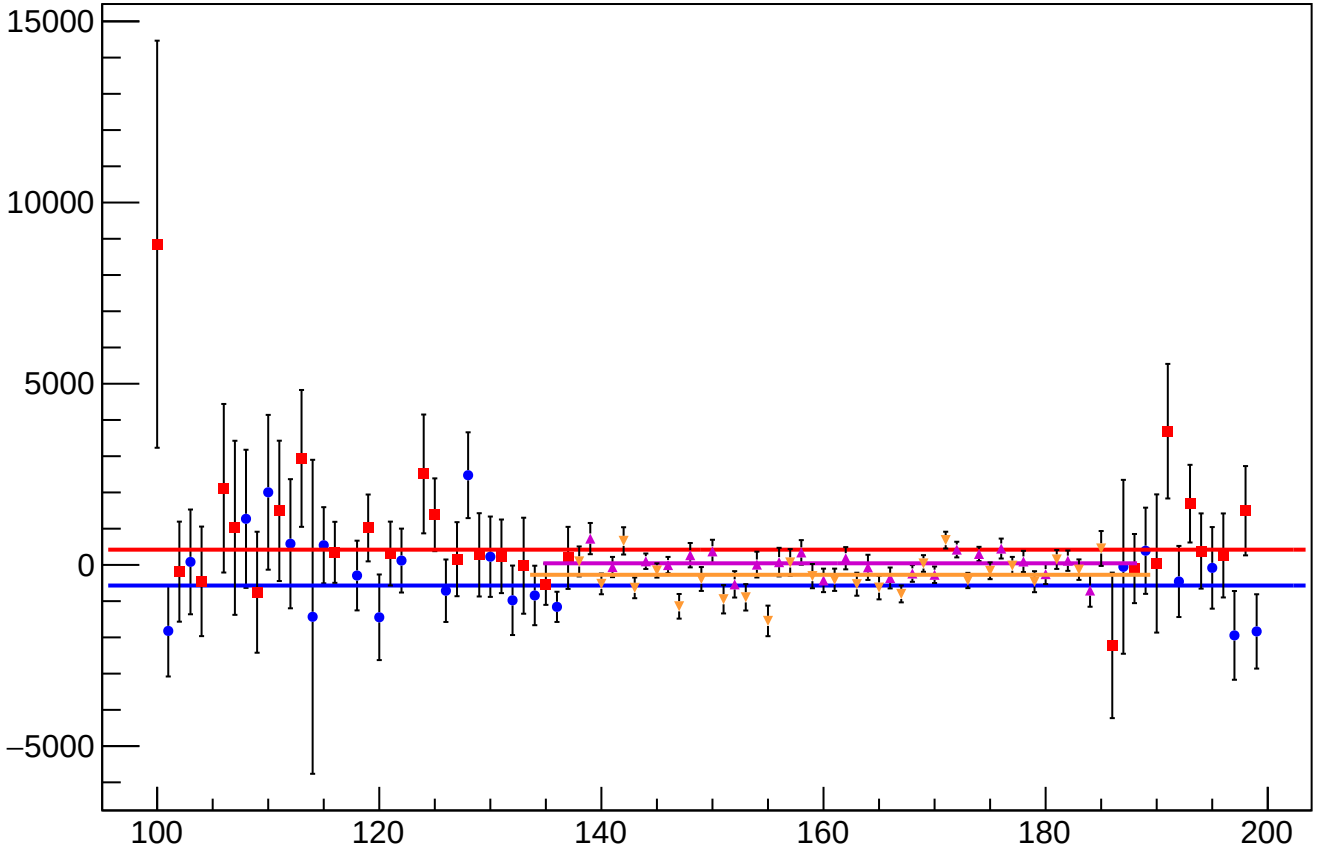
Right: 88.586+/-0.014 χ^2/NDF: 7137839.6/48

In: 64.091+/-0.009 χ^2/NDF:5387758.6/44

Out: 64.187+/-0.009 χ^2/NDF:7142297.1/51

All: 64.140+/-0.006 χ^2/NDF: 12530117.2/96

asym_sam_1526_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -568.922+/-215.677 χ^2/NDF: 19.5/21

Left Out: -272.513+/-57.274 χ^2/NDF:65.8/24

Right Out: 420.755+/-221.953 χ^2/NDF: 19.4/26

Left In: 44.553+/-58.614 χ^2/NDF:26.5/22

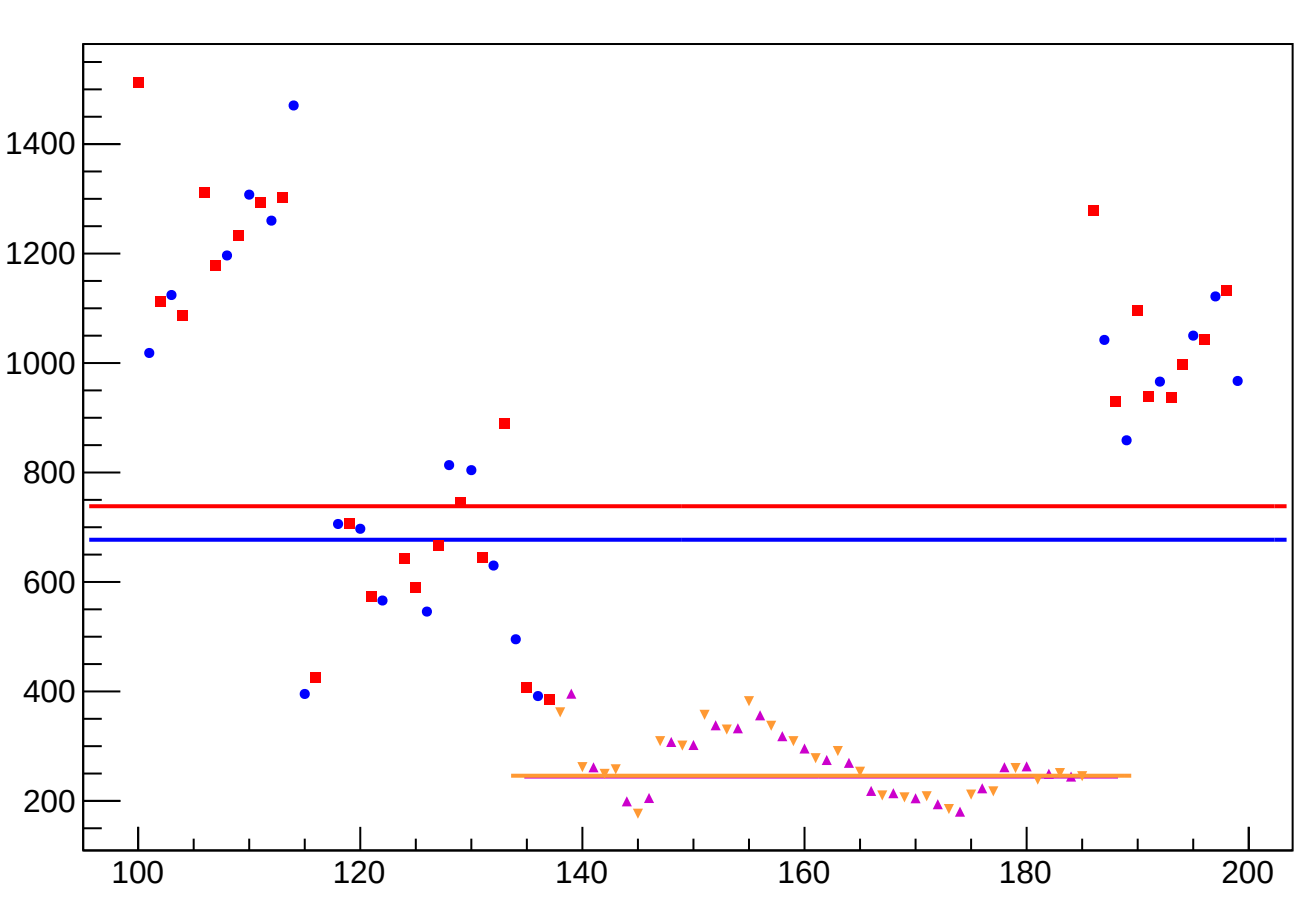
Left: -117.646+/-40.964 χ^2/NDF: 107.2/47

Right: -88.272+/-154.678 χ^2/NDF: 49.1/48

In: 2.359+/-56.563 χ^2/NDF:53.6/44

Out: -229.232+/-55.457 χ^2/NDF:94.3/51

All: -115.721+/-39.599 χ^2/NDF: 156.4/96



Right In: 677.146+/-0.153 χ^2/NDF: 3172091.4/21

Left Out: 246.017+/-0.040 χ^2/NDF:1680565.1/24

Right Out: 738.384+/-0.157 χ^2/NDF: 3317886.6/26

Left In: 244.450+/-0.041 χ^2/NDF:1596988.0/22

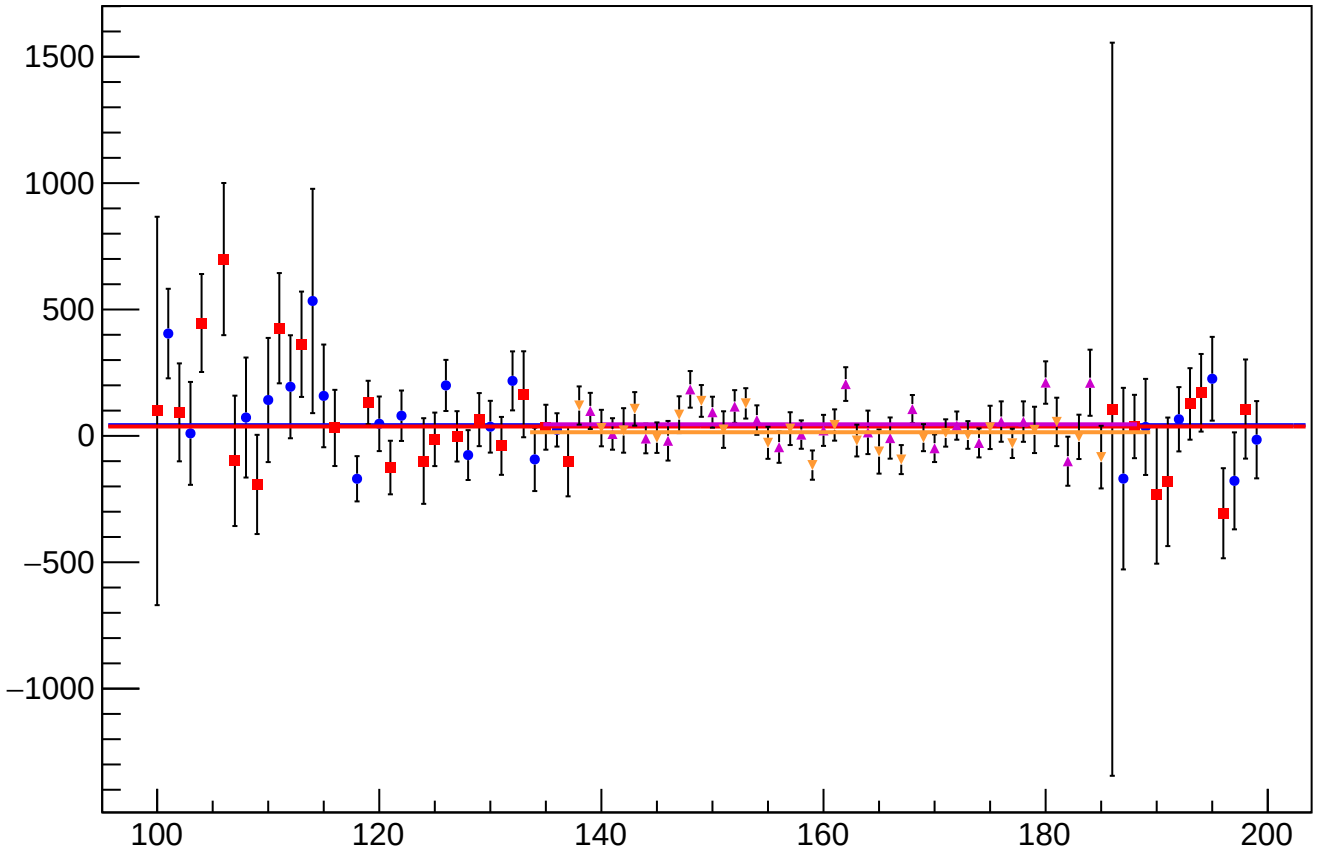
Left: 245.251+/-0.029 χ^2/NDF: 3278284.0/47

Right: 706.887+/-0.109 χ^2/NDF: 6568285.7/48

In: 274.210+/-0.040 χ^2/NDF:12265251.4/44

Out: 276.755+/-0.039 χ^2/NDF:14226086.9/51

All: 275.508+/-0.028 χ^2/NDF: 26493403.3/96



Right In: 42.452+/-27.508 χ^2/NDF: 22.7/21

Left Out: 14.498+/-13.454 χ^2/NDF:24.5/24

Right Out: 37.145+/-28.093 χ^2/NDF: 30.0/26

Left In: 45.805+/-13.931 χ^2/NDF:30.7/22

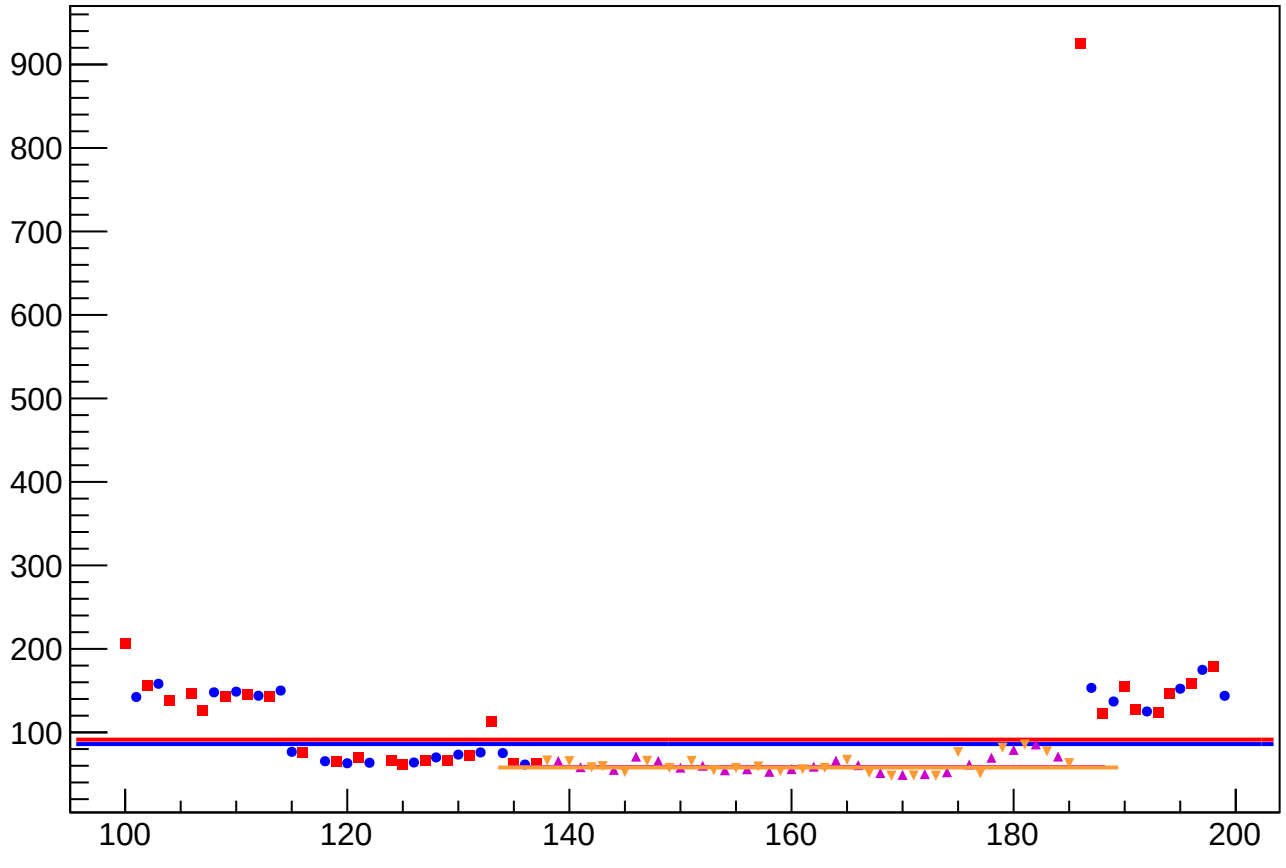
Left: 29.606+/-9.678 χ^2/NDF: 57.9/47

Right: 39.854+/-19.654 χ^2/NDF: 52.7/48

In: 45.121+/-12.428 χ^2/NDF:53.4/44

Out: 18.723+/-12.134 χ^2/NDF:55.1/51

All: 31.606+/-8.682 χ^2/NDF: 110.8/96



Right In: 85.970+/-0.019 χ^2/NDF: 3148022.4/21

Left Out: 57.965+/-0.010 χ^2/NDF:896952.8/24

Right Out: 91.313+/-0.020 χ^2/NDF: 3952887.4/26

Left In: 58.479+/-0.010 χ^2/NDF:649911.4/22

Left: 58.213+/-0.007 χ^2/NDF: 1548272.0/47

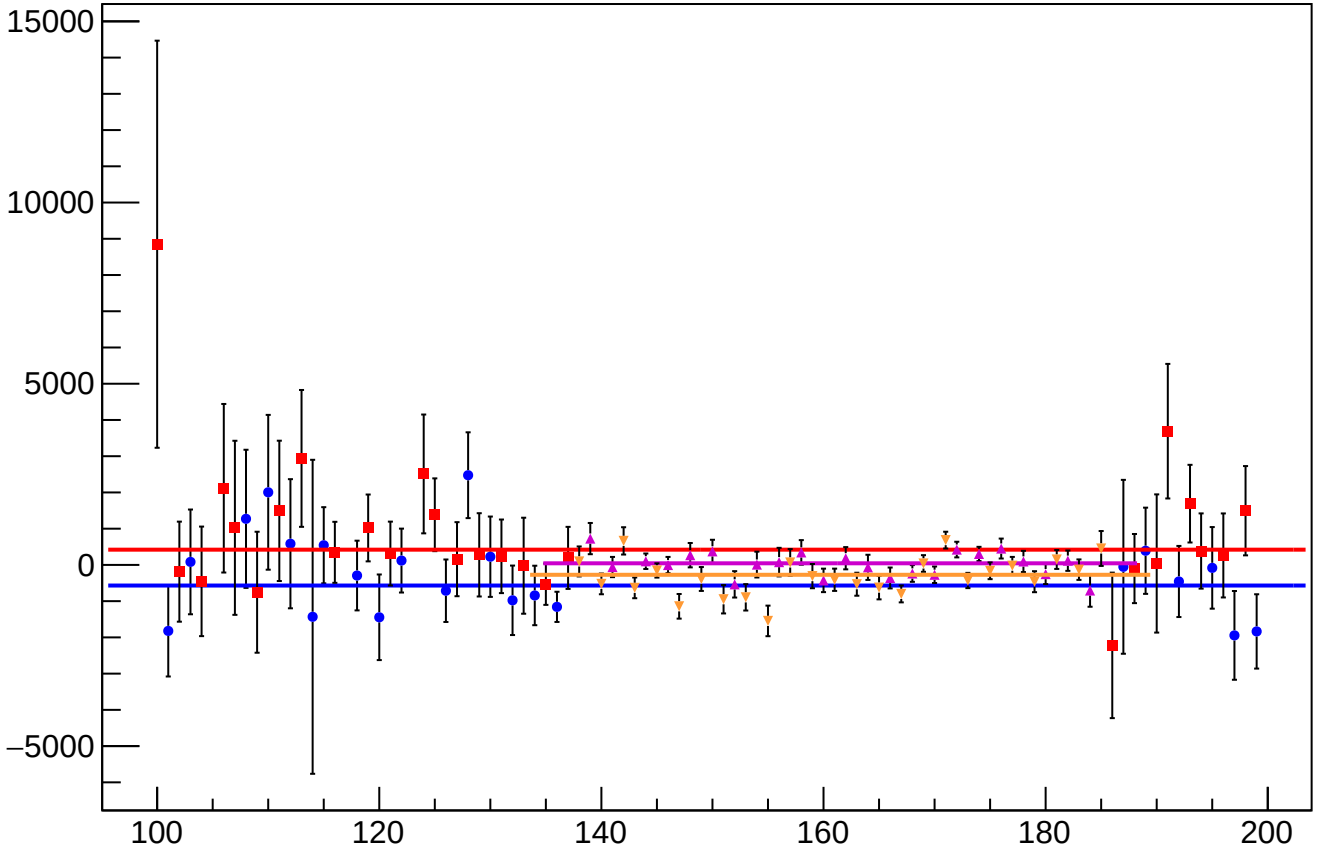
Right: 88.585+/-0.014 χ^2/NDF: 7137844.4/48

In: 64.091+/-0.009 χ^2/NDF:5387697.8/44

Out: 64.187+/-0.009 χ^2/NDF:7142263.1/51

All: 64.140+/-0.006 χ^2/NDF: 12530022.4/96

asym_sam_1526_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -568.920+/-215.677 χ^2/NDF: 19.5/21

Left Out: -272.512+/-57.274 χ^2/NDF:65.8/24

Right Out: 420.756+/-221.953 χ^2/NDF: 19.4/26

Left In: 44.552+/-58.614 χ^2/NDF:26.5/22

Left: -117.646+/-40.964 χ^2/NDF: 107.2/47

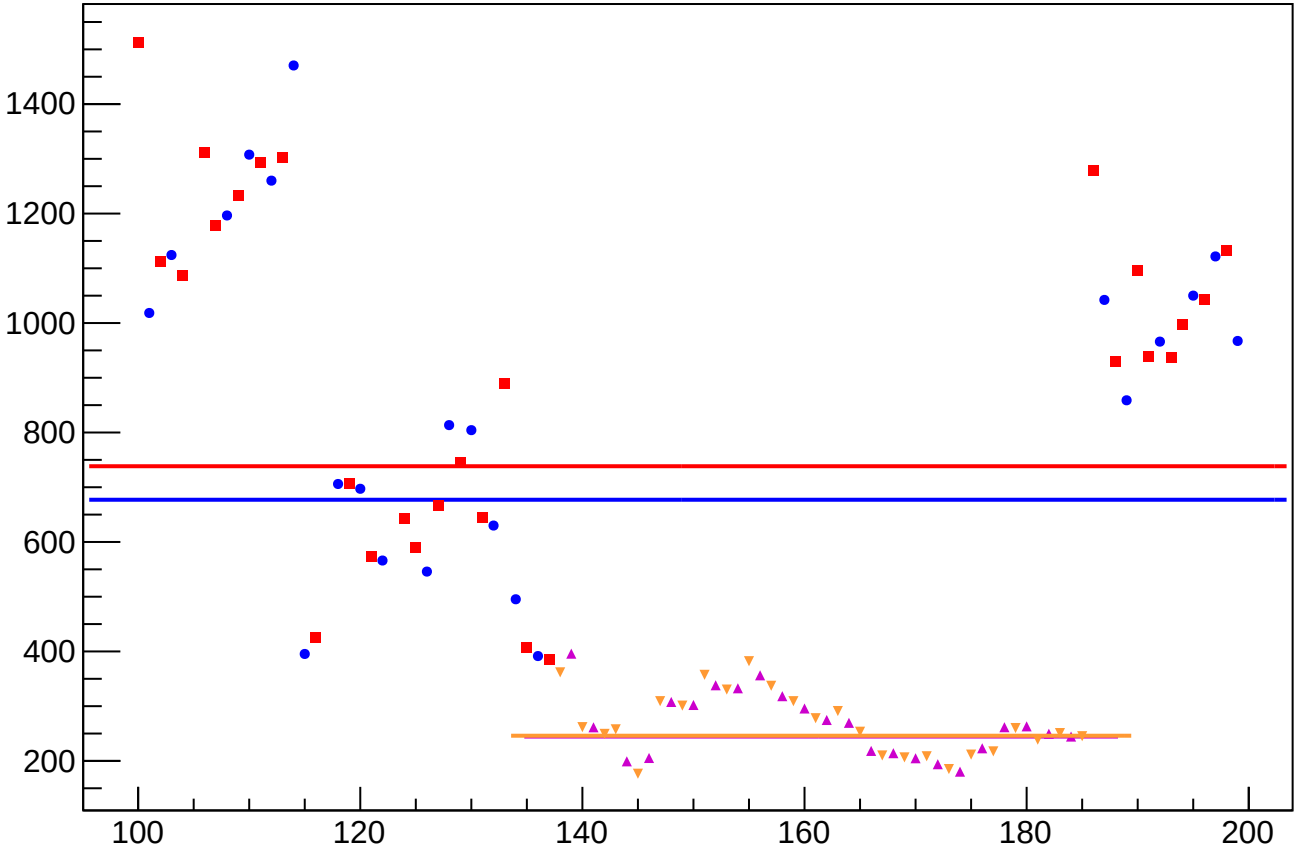
Right: -88.271+/-154.678 χ^2/NDF: 49.1/48

In: 2.359+/-56.563 χ^2/NDF:53.6/44

Out: -229.231+/-55.457 χ^2/NDF:94.3/51

All: -115.721+/-39.599 χ^2/NDF: 156.4/96

asym_sam_1526_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 677.145+/-0.153 χ^2/NDF: 3172075.2/21

Left Out: 246.016+/-0.040 χ^2/NDF:1680566.1/24

Right Out: 738.383+/-0.157 χ^2/NDF: 3317869.8/26

Left In: 244.450+/-0.041 χ^2/NDF:1596977.8/22

Left: 245.251+/-0.029 χ^2/NDF: 3278274.7/47

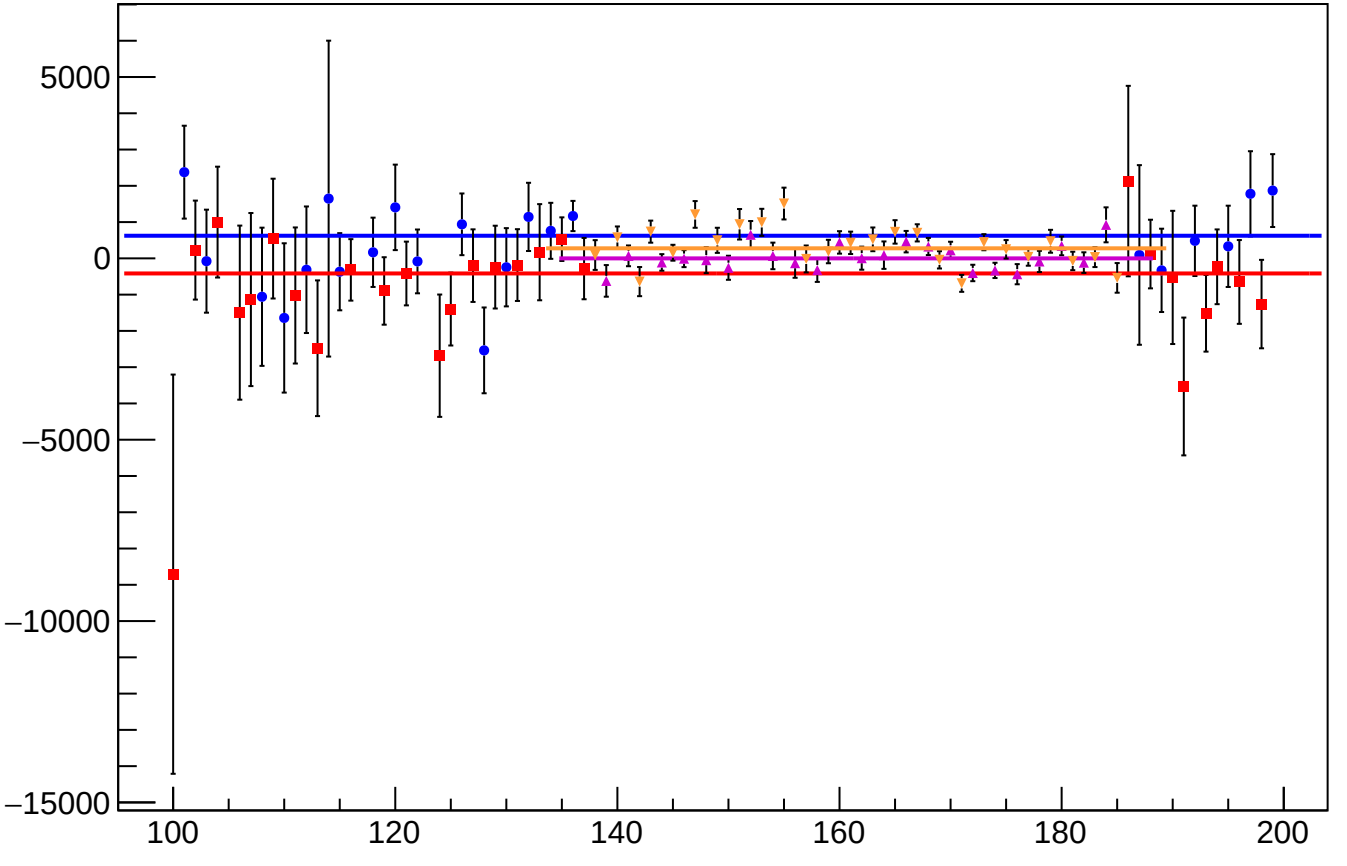
Right: 706.886+/-0.109 χ^2/NDF: 6568252.8/48

In: 274.210+/-0.040 χ^2/NDF:12265231.8/44

Out: 276.755+/-0.039 χ^2/NDF:14226087.3/51

All: 275.507+/-0.028 χ^2/NDF: 26493383.9/96

asym_sam_1526_avg_mean vs Slug, Sign Corrected



Right In: 623.593+/-213.129 χ^2/NDF: 19.9/21

Left Out: 277.077+/-59.149 χ^2/NDF:64.1/24

Right Out: -415.882+/-223.099 χ^2/NDF: 16.8/26

Left In: -0.556+/-60.356 χ^2/NDF:28.1/22

Left: 141.066+/-42.245 χ^2/NDF: 103.0/47

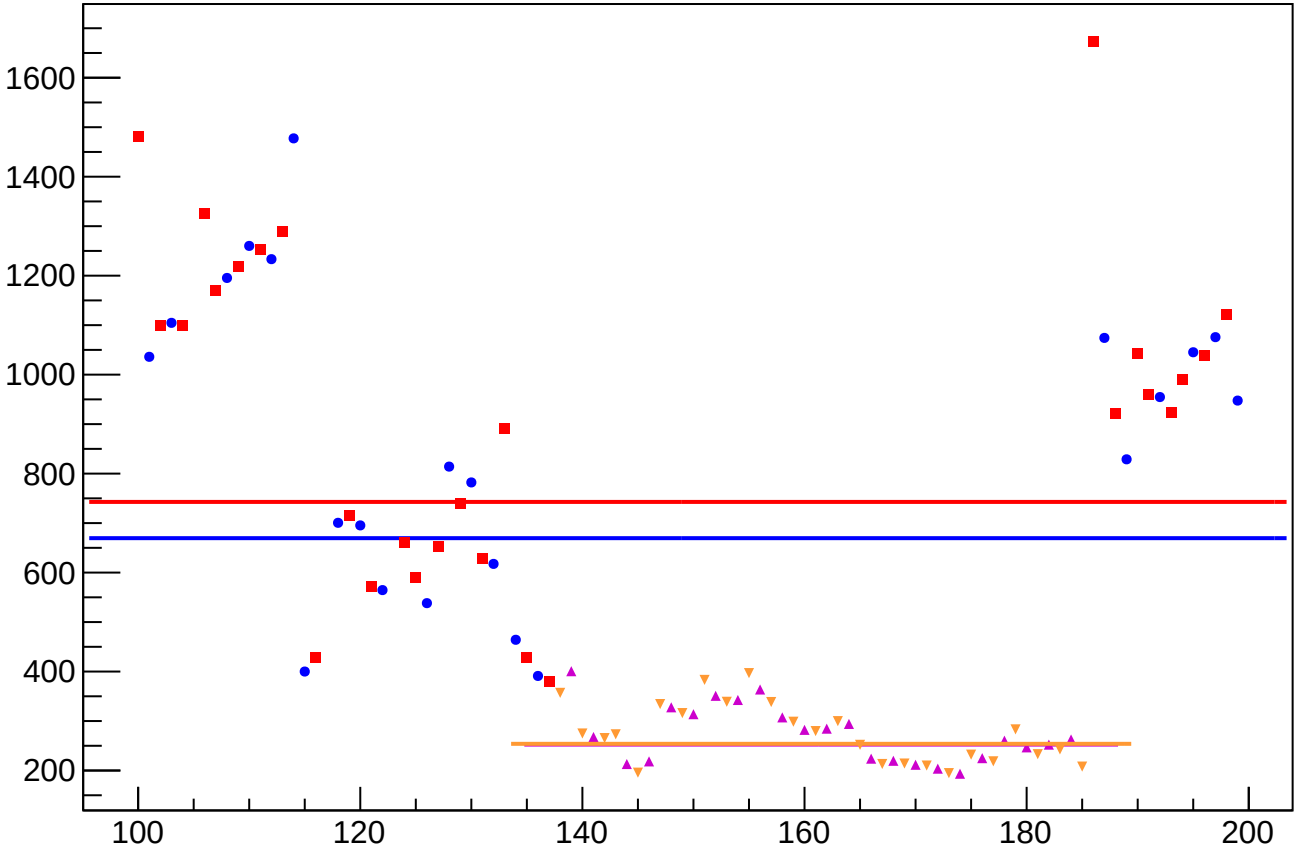
Right: 127.602+/-154.109 χ^2/NDF: 48.0/48

In: 45.783+/-58.072 χ^2/NDF:56.0/44

Out: 231.568+/-57.173 χ^2/NDF:89.8/51

All: 140.125+/-40.742 χ^2/NDF: 151.1/96

asym_sam_1526_avg_rms vs Slug, Sign Corrected



Right In: 669.554+/-0.151 χ^2/NDF: 3128526.5/21

Left Out: 253.953+/-0.042 χ^2/NDF:1590761.5/24

Right Out: 742.796+/-0.158 χ^2/NDF: 3234407.5/26

Left In: 252.390+/-0.043 χ^2/NDF:1412169.8/22

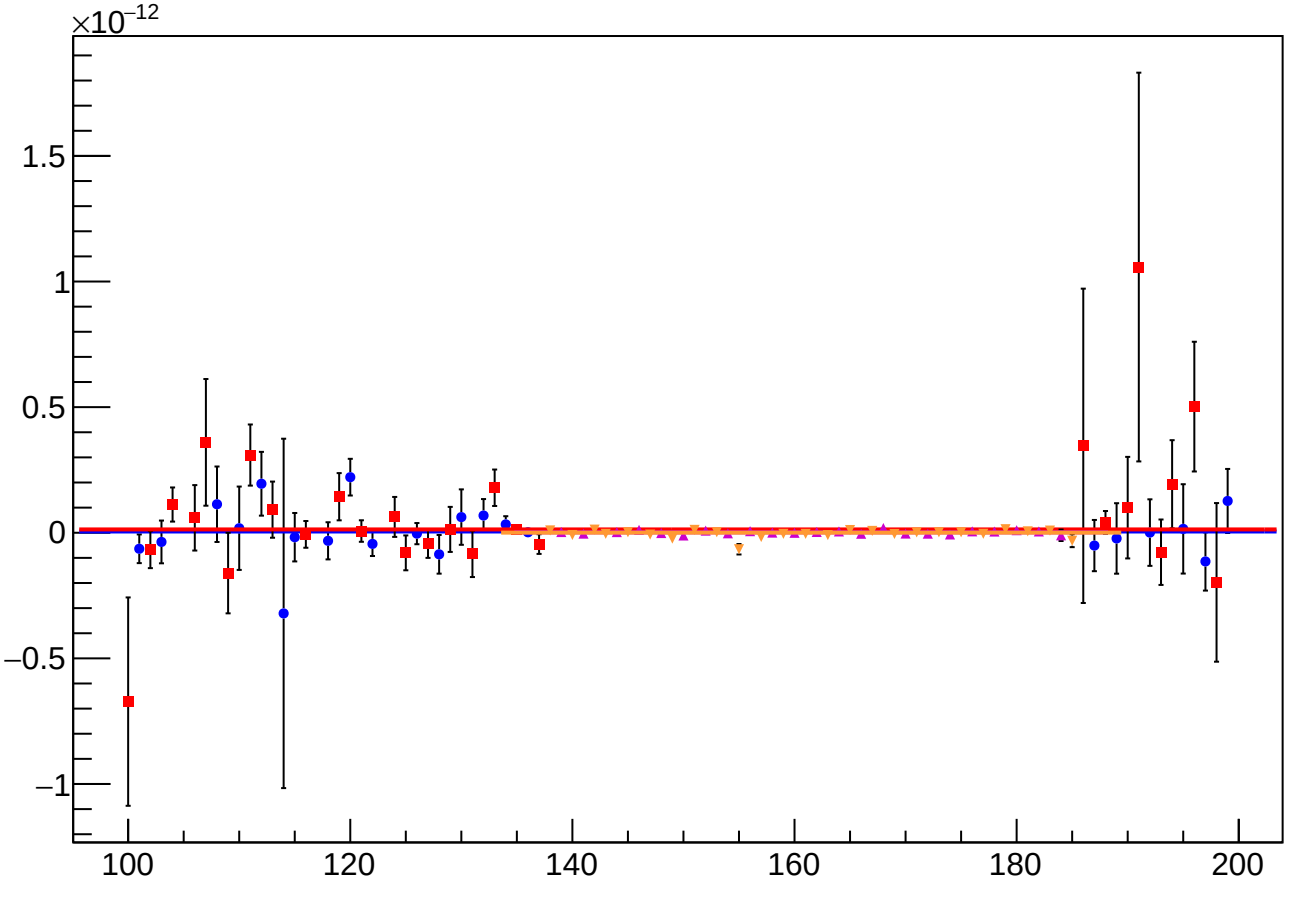
Left: 253.187+/-0.030 χ^2/NDF: 3003615.8/47

Right: 704.502+/-0.109 χ^2/NDF: 6475636.5/48

In: 283.361+/-0.041 χ^2/NDF:11634100.6/44

Out: 286.057+/-0.040 χ^2/NDF:13796783.6/51

All: 284.730+/-0.029 χ^2/NDF: 25433073.1/96



Right In: 0.000+/-0.000 χ^2/NDF: 20.6/21

Left Out: 0.000+/-0.000 χ^2/NDF:26.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 37.8/26

Left In: 0.000+/-0.000 χ^2/NDF:14.0/22

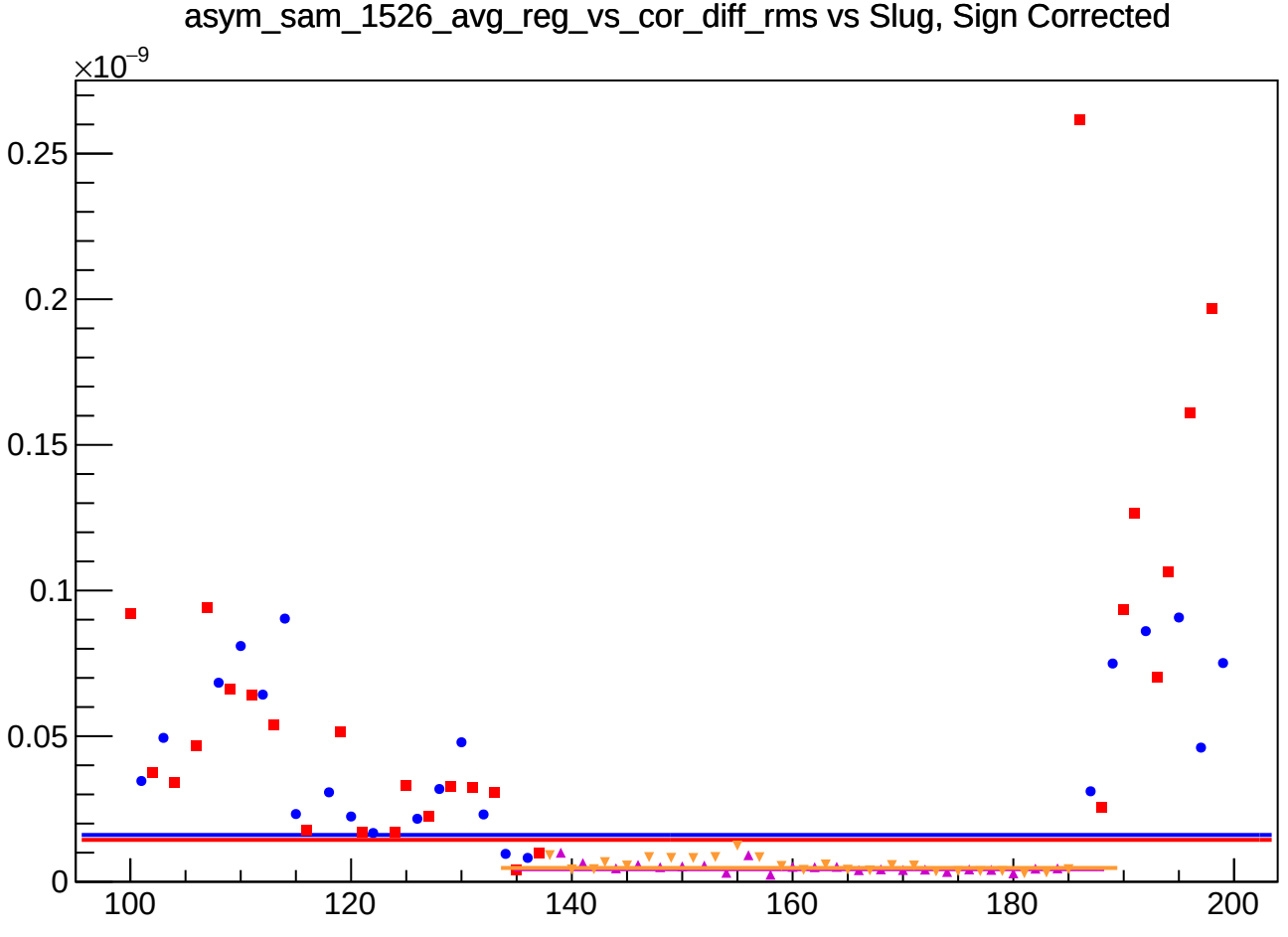
Left: 0.000+/-0.000 χ^2/NDF: 41.0/47

Right: 0.000+/-0.000 χ^2/NDF: 58.6/48

In: 0.000+/-0.000 χ^2/NDF:34.6/44

Out: 0.000+/-0.000 χ^2/NDF:66.2/51

All: 0.000+/-0.000 χ^2/NDF: 100.9/96



Right In: 0.000+/-0.000 χ^2/NDF: 4423512.5/21

Left Out: 0.000+/-0.000 χ^2/NDF:1613401.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6561012.9/26

Left In: 0.000+/-0.000 χ^2/NDF:983290.8/22

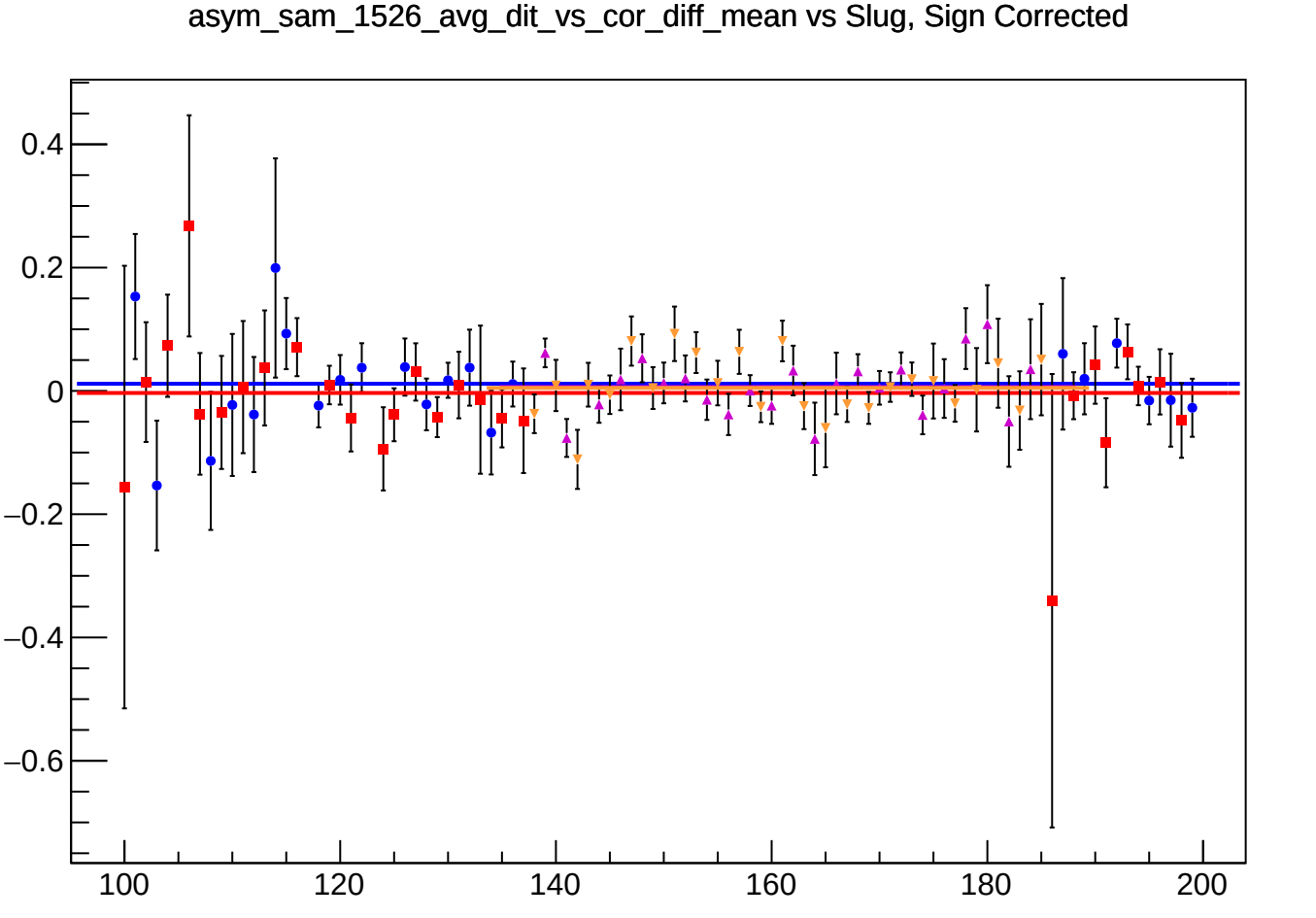
Left: 0.000+/-0.000 χ^2/NDF: 2651852.5/47

Right: 0.000+/-0.000 χ^2/NDF: 11011615.6/48

In: 0.000+/-0.000 χ^2/NDF:7927352.7/44

Out: 0.000+/-0.000 χ^2/NDF:9901400.4/51

All: 0.000+/-0.000 χ^2/NDF: 17874374.2/96



Right In: 0.012+/-0.011 χ^2/NDF: 17.4/21

Left Out: 0.005+/-0.007 χ^2/NDF:34.0/24

Right Out: -0.003+/-0.011 χ^2/NDF: 18.3/26

Left In: 0.006+/-0.007 χ^2/NDF:31.0/22

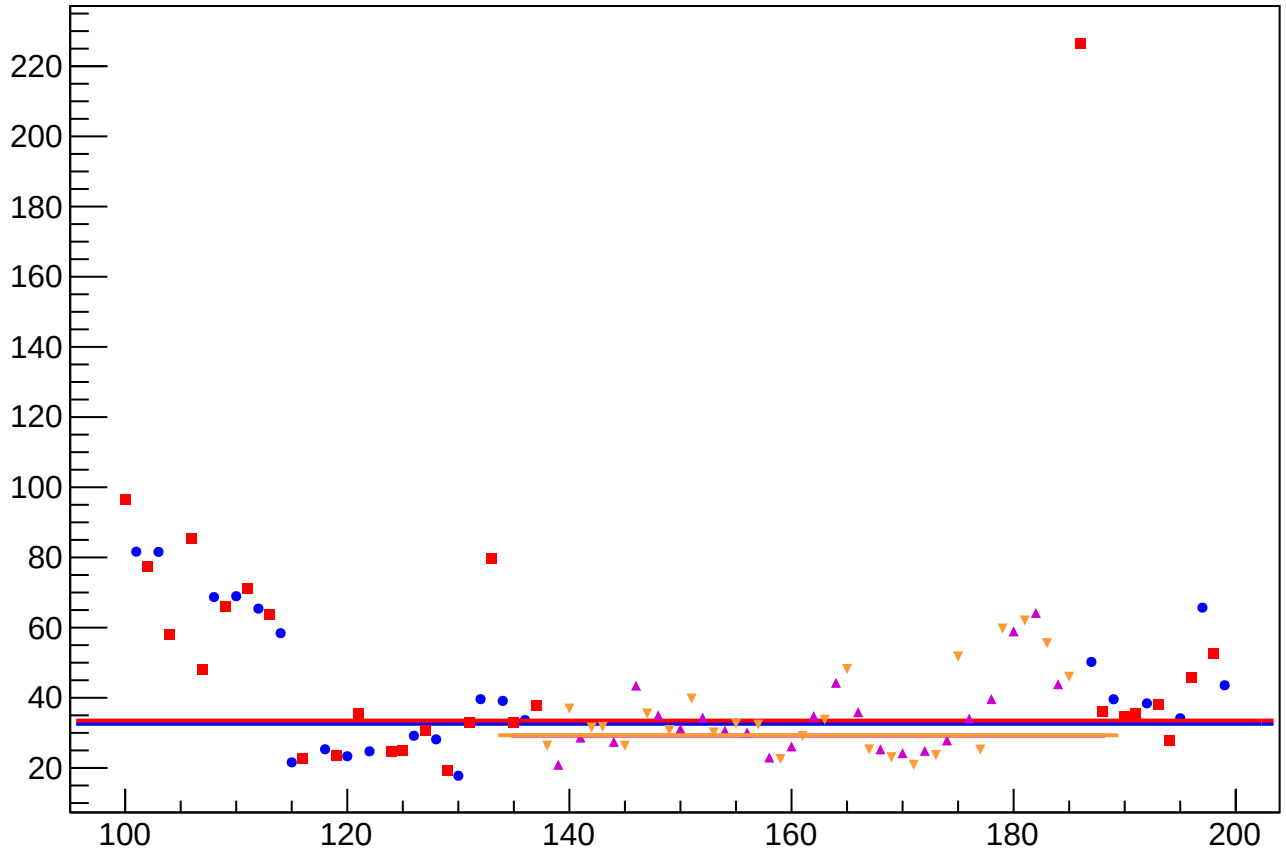
Left: 0.006+/-0.005 χ^2/NDF: 65.0/47

Right: 0.004+/-0.008 χ^2/NDF: 36.6/48

In: 0.008+/-0.006 χ^2/NDF:48.5/44

Out: 0.002+/-0.006 χ^2/NDF:52.6/51

All: 0.005+/-0.004 χ^2/NDF: 101.6/96



Right In: 32.599+/-0.008 χ^2/NDF: 3170755.1/21

Left Out: 29.338+/-0.005 χ^2/NDF:2687159.2/24

Right Out: 33.494+/-0.007 χ^2/NDF: 3646355.8/26

Left In: 29.226+/-0.005 χ^2/NDF:2097657.8/22

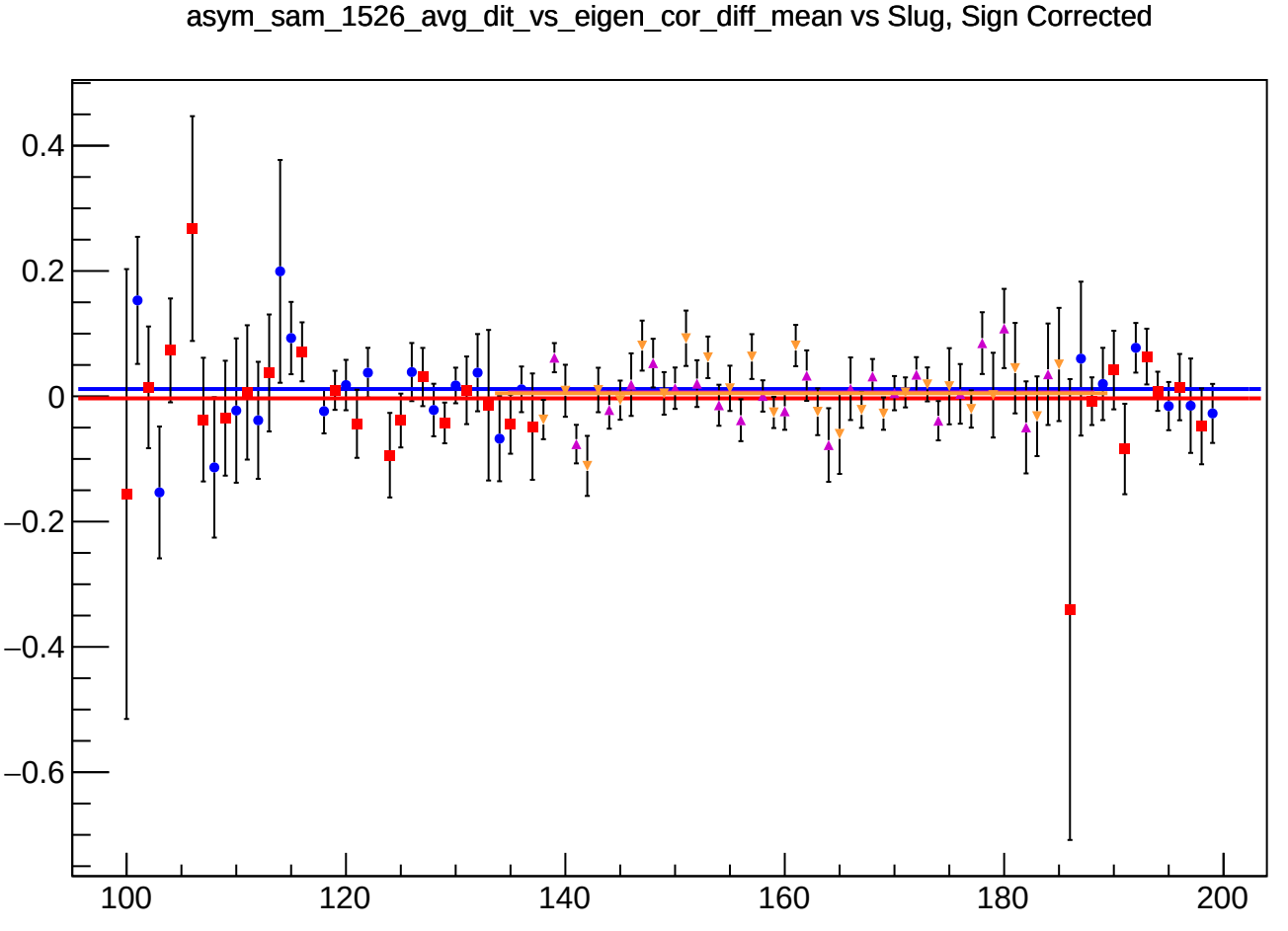
Left: 29.283+/-0.004 χ^2/NDF: 4785056.4/47

Right: 33.056+/-0.005 χ^2/NDF: 6824181.8/48

In: 30.282+/-0.004 χ^2/NDF:5403520.2/44

Out: 30.637+/-0.004 χ^2/NDF:6547443.7/51

All: 30.463+/-0.003 χ^2/NDF: 11954507.5/96



Right In: 0.012+/-0.011 χ^2/NDF: 17.4/21

Left Out: 0.005+/-0.007 χ^2/NDF:34.0/24

Right Out: -0.003+/-0.011 χ^2/NDF: 18.3/26

Left In: 0.006+/-0.007 χ^2/NDF:31.0/22

Left: 0.006+/-0.005 χ^2/NDF: 65.0/47

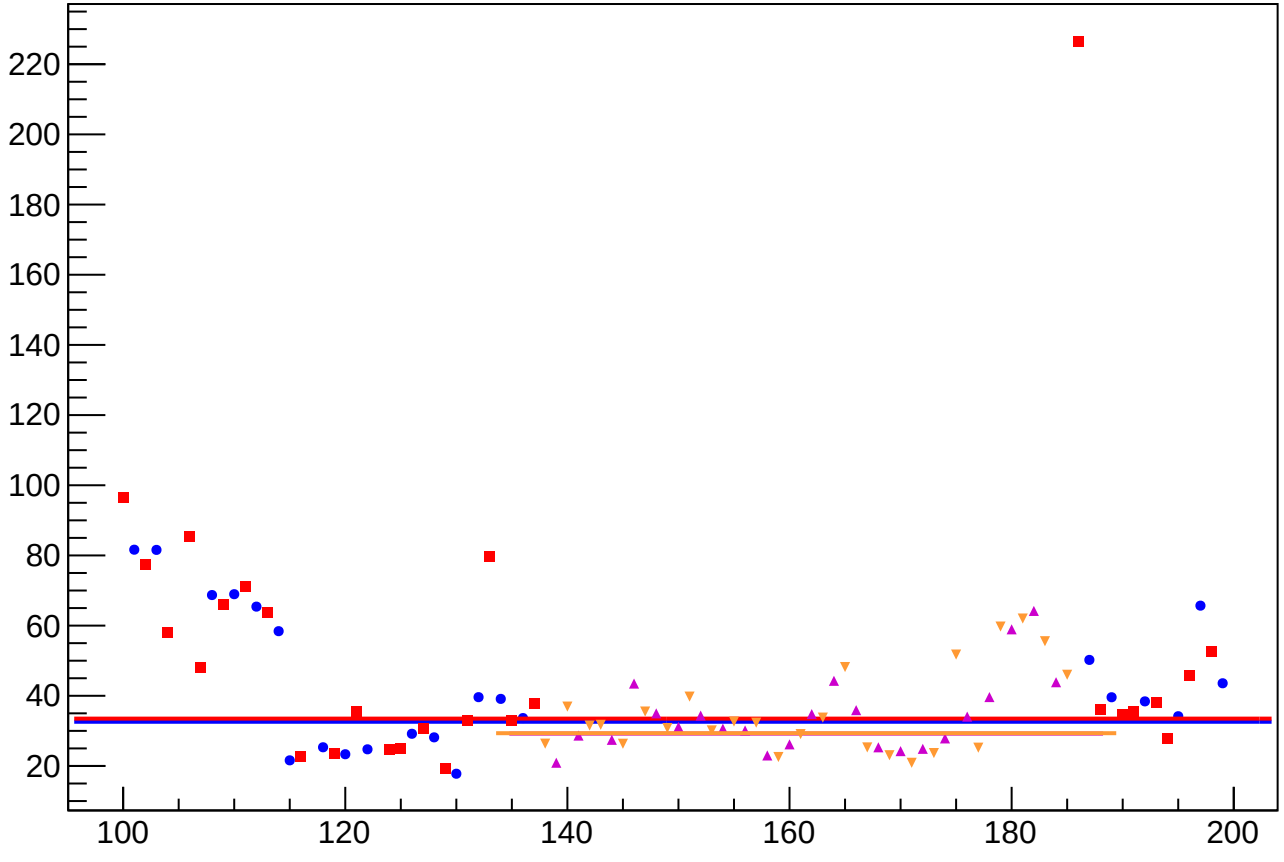
Right: 0.004+/-0.008 χ^2/NDF: 36.6/48

In: 0.008+/-0.006 χ^2/NDF:48.5/44

Out: 0.002+/-0.006 χ^2/NDF:52.6/51

All: 0.005+/-0.004 χ^2/NDF: 101.6/96

asym_sam_1526_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 32.599+/-0.008 χ^2/NDF: 3170755.1/21

Left Out: 29.338+/-0.005 χ^2/NDF:2687159.2/24

Right Out: 33.494+/-0.007 χ^2/NDF: 3646355.8/26

Left In: 29.226+/-0.005 χ^2/NDF:2097657.8/22

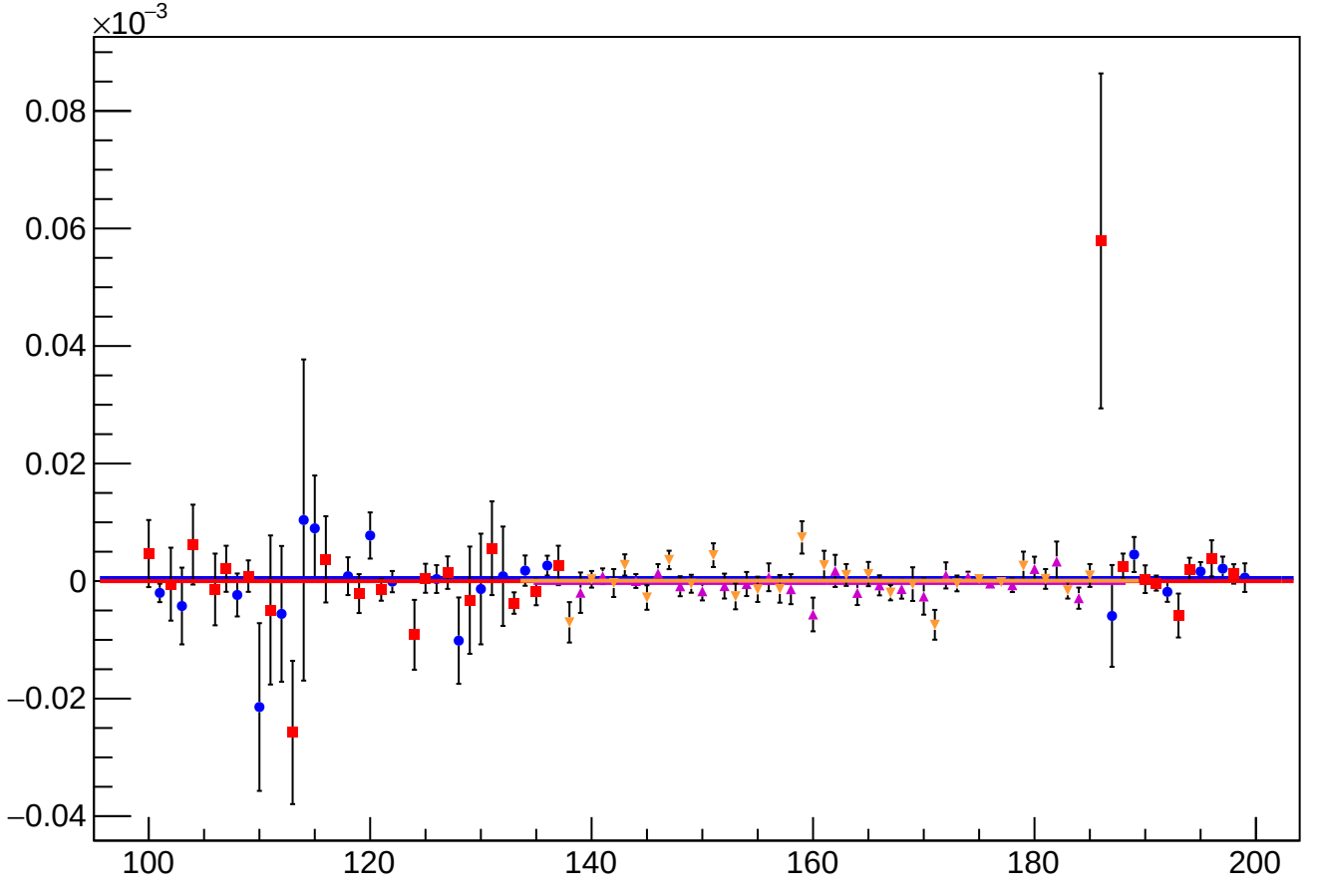
Left: 29.283+/-0.004 χ^2/NDF: 4785056.4/47

Right: 33.056+/-0.005 χ^2/NDF: 6824181.8/48

In: 30.282+/-0.004 χ^2/NDF:5403520.2/44

Out: 30.637+/-0.004 χ^2/NDF:6547443.7/51

All: 30.463+/-0.003 χ^2/NDF: 11954507.5/96



Right In: 0.000+/-0.000 χ^2/NDF: 20.3/21

Left Out: 0.000+/-0.000 χ^2/NDF:43.7/24

Right Out: -0.000+/-0.000 χ^2/NDF: 28.0/26

Left In: -0.000+/-0.000 χ^2/NDF:15.5/22

Left: -0.000+/-0.000 χ^2/NDF: 60.1/47

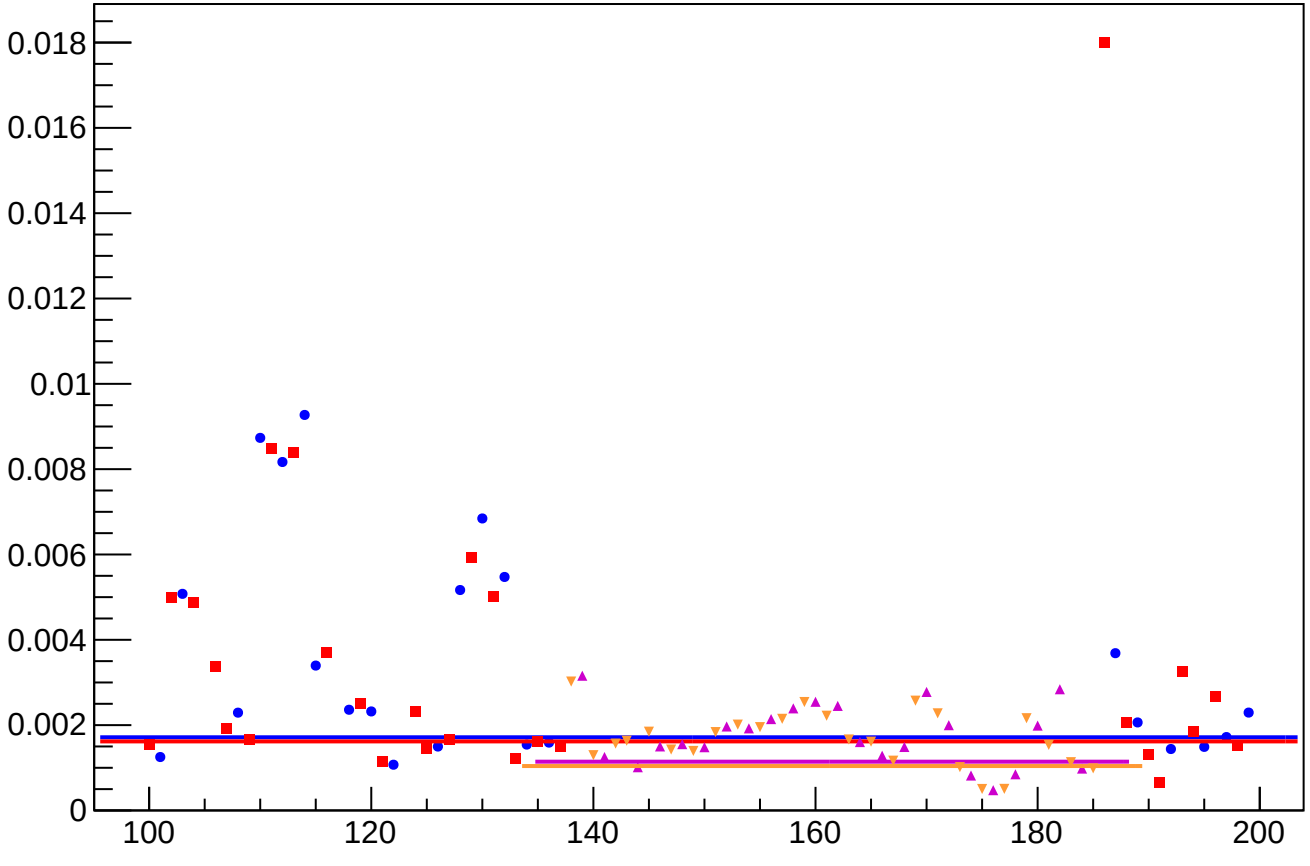
Right: 0.000+/-0.000 χ^2/NDF: 48.7/48

In: -0.000+/-0.000 χ^2/NDF:37.3/44

Out: 0.000+/-0.000 χ^2/NDF:71.7/51

All: -0.000+/-0.000 χ^2/NDF: 109.3/96

asym_sam_1526_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 4268799.2/21

Left Out: 0.001+/-0.000 χ^2/NDF:9825407.0/24

Right Out: 0.002+/-0.000 χ^2/NDF: 6411526.7/26

Left In: 0.001+/-0.000 χ^2/NDF:8291862.8/22

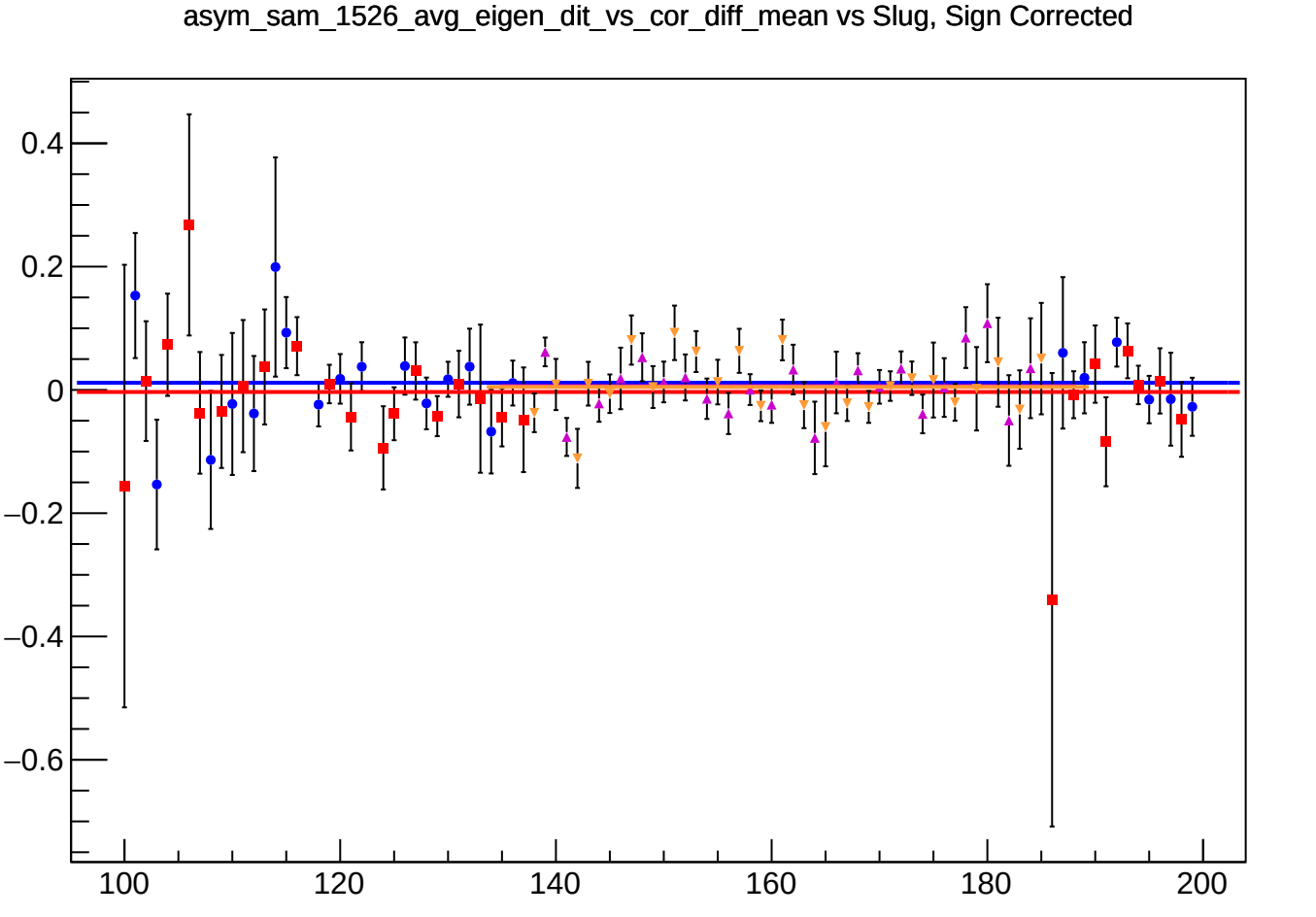
Left: 0.001+/-0.000 χ^2/NDF: 18236927.4/47

Right: 0.002+/-0.000 χ^2/NDF: 10710296.8/48

In: 0.001+/-0.000 χ^2/NDF:14080331.0/44

Out: 0.001+/-0.000 χ^2/NDF:18061718.7/51

All: 0.001+/-0.000 χ^2/NDF: 32311749.8/96



Right In: 0.012+/-0.011 χ^2/NDF: 17.4/21

Left Out: 0.005+/-0.007 χ^2/NDF:34.0/24

Right Out: -0.003+/-0.011 χ^2/NDF: 18.3/26

Left In: 0.006+/-0.007 χ^2/NDF:31.0/22

Left: 0.006+/-0.005 χ^2/NDF: 65.0/47

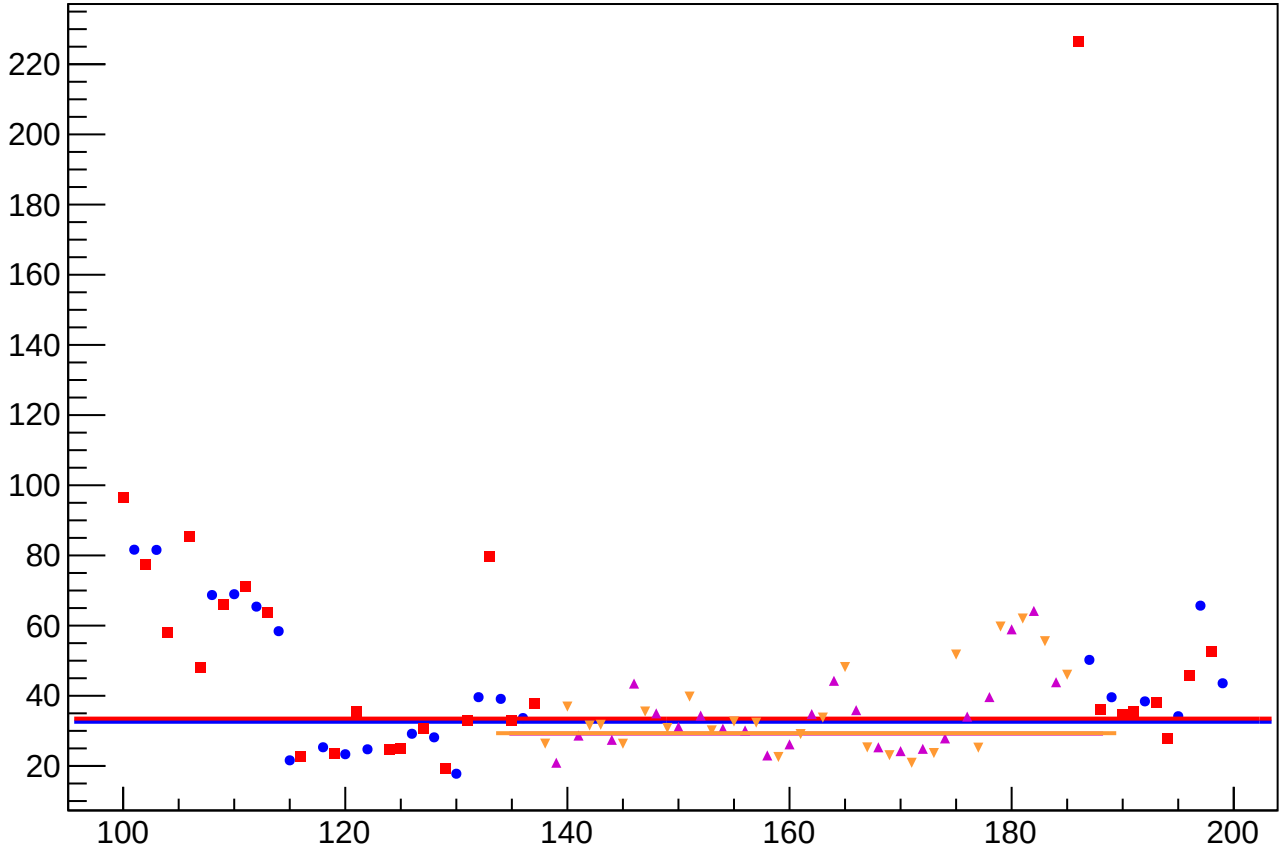
Right: 0.004+/-0.008 χ^2/NDF: 36.6/48

In: 0.008+/-0.006 χ^2/NDF:48.5/44

Out: 0.002+/-0.006 χ^2/NDF:52.6/51

All: 0.005+/-0.004 χ^2/NDF: 101.6/96

asym_sam_1526_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 32.598+/-0.008 χ^2/NDF: 3171055.5/21

Left Out: 29.338+/-0.005 χ^2/NDF:2687200.3/24

Right Out: 33.493+/-0.007 χ^2/NDF: 3646559.5/26

Left In: 29.227+/-0.005 χ^2/NDF:2097621.4/22

Left: 29.283+/-0.004 χ^2/NDF: 4785060.1/47

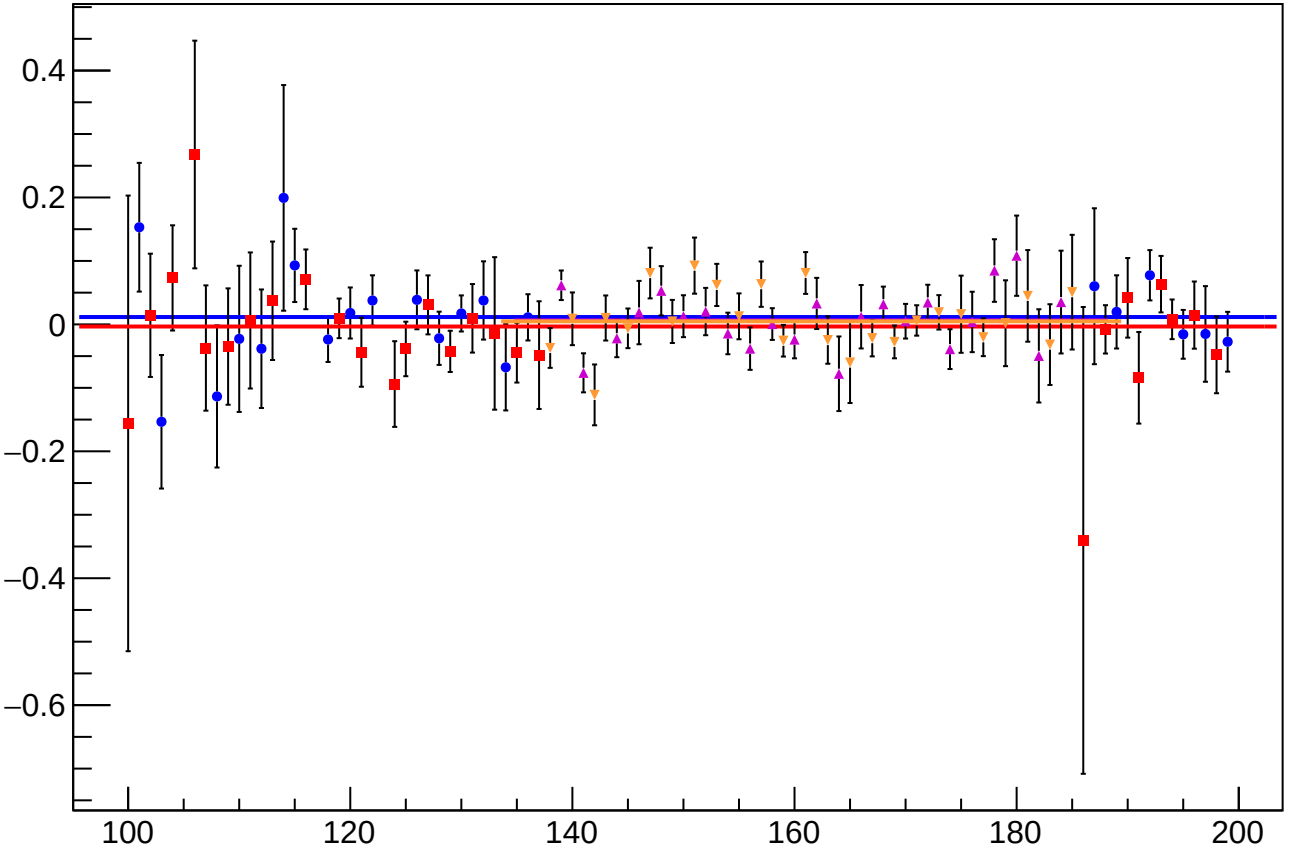
Right: 33.055+/-0.005 χ^2/NDF: 6824690.0/48

In: 30.282+/-0.004 χ^2/NDF:5403670.1/44

Out: 30.637+/-0.004 χ^2/NDF:6547588.8/51

All: 30.463+/-0.003 χ^2/NDF: 11954800.8/96

asym_sam_1526_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.012+/-0.011 χ^2/NDF: 17.4/21

Left Out: 0.005+/-0.007 χ^2/NDF:34.0/24

Right Out: -0.003+/-0.011 χ^2/NDF: 18.3/26

Left In: 0.006+/-0.007 χ^2/NDF:31.0/22

Left: 0.006+/-0.005 χ^2/NDF: 65.0/47

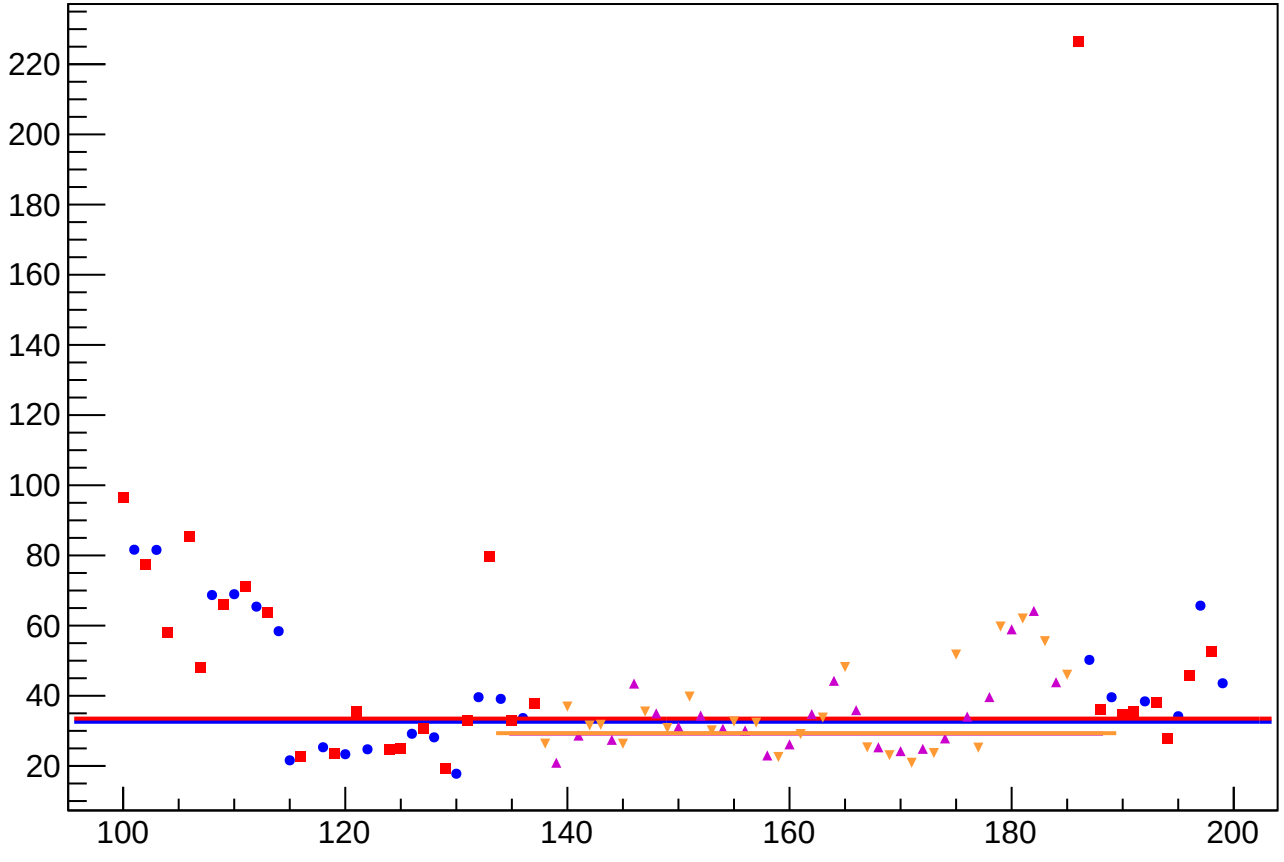
Right: 0.004+/-0.008 χ^2/NDF: 36.6/48

In: 0.008+/-0.006 χ^2/NDF:48.5/44

Out: 0.002+/-0.006 χ^2/NDF:52.6/51

All: 0.005+/-0.004 χ^2/NDF: 101.6/96

asym_sam_1526_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 32.598+/-0.008 χ^2/NDF: 3171055.5/21

Left Out: 29.338+/-0.005 χ^2/NDF:2687200.3/24

Right Out: 33.493+/-0.007 χ^2/NDF: 3646559.5/26

Left In: 29.227+/-0.005 χ^2/NDF:2097621.4/22

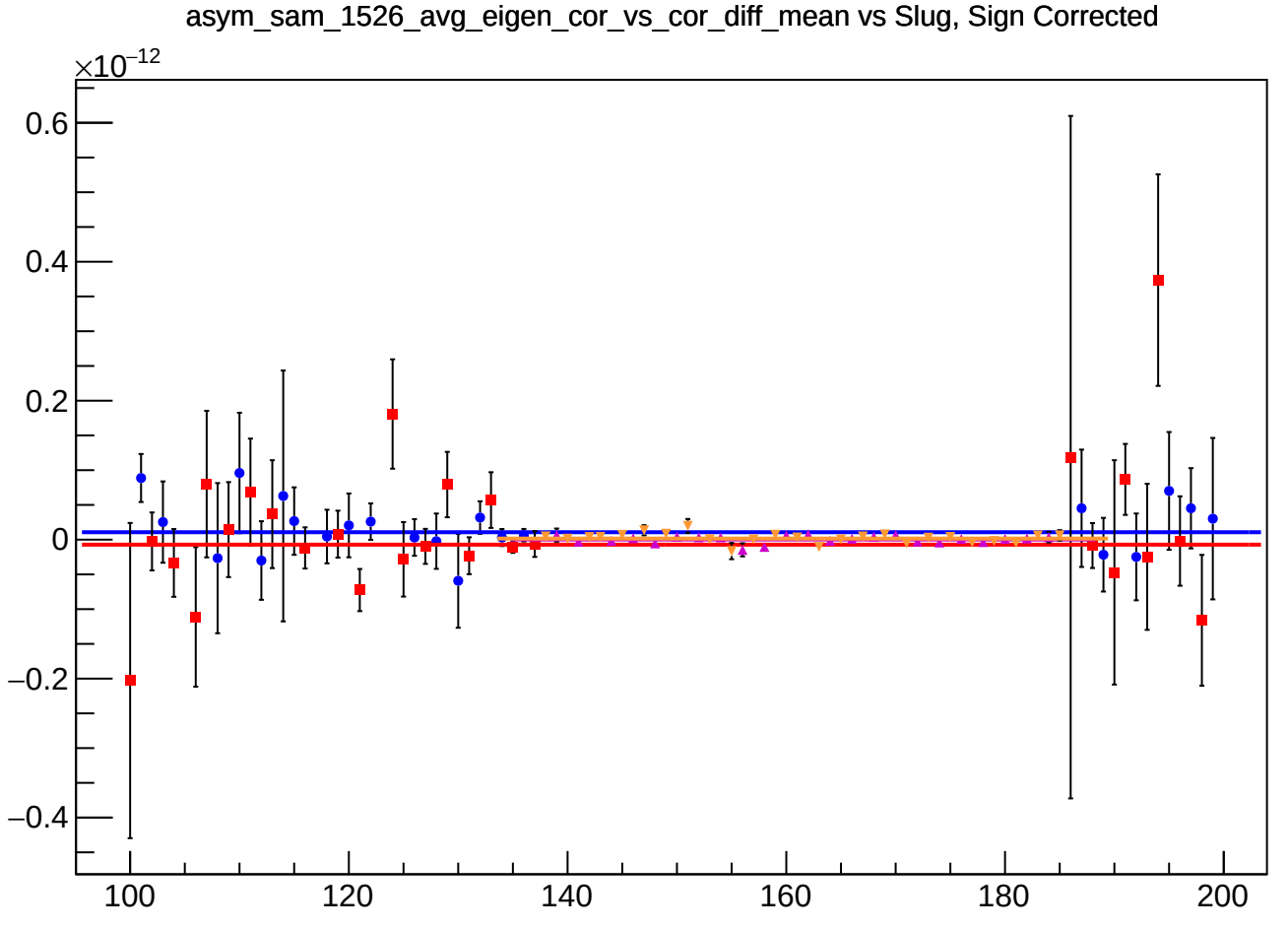
Left: 29.283+/-0.004 χ^2/NDF: 4785060.1/47

Right: 33.055+/-0.005 χ^2/NDF: 6824690.0/48

In: 30.282+/-0.004 χ^2/NDF:5403670.1/44

Out: 30.637+/-0.004 χ^2/NDF:6547588.8/51

All: 30.463+/-0.003 χ^2/NDF: 11954800.8/96



Right In: 0.000+/-0.000 χ^2/NDF: 11.8/21

Left Out: 0.000+/-0.000 χ^2/NDF:35.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 32.6/26

Left In: 0.000+/-0.000 χ^2/NDF:18.6/22

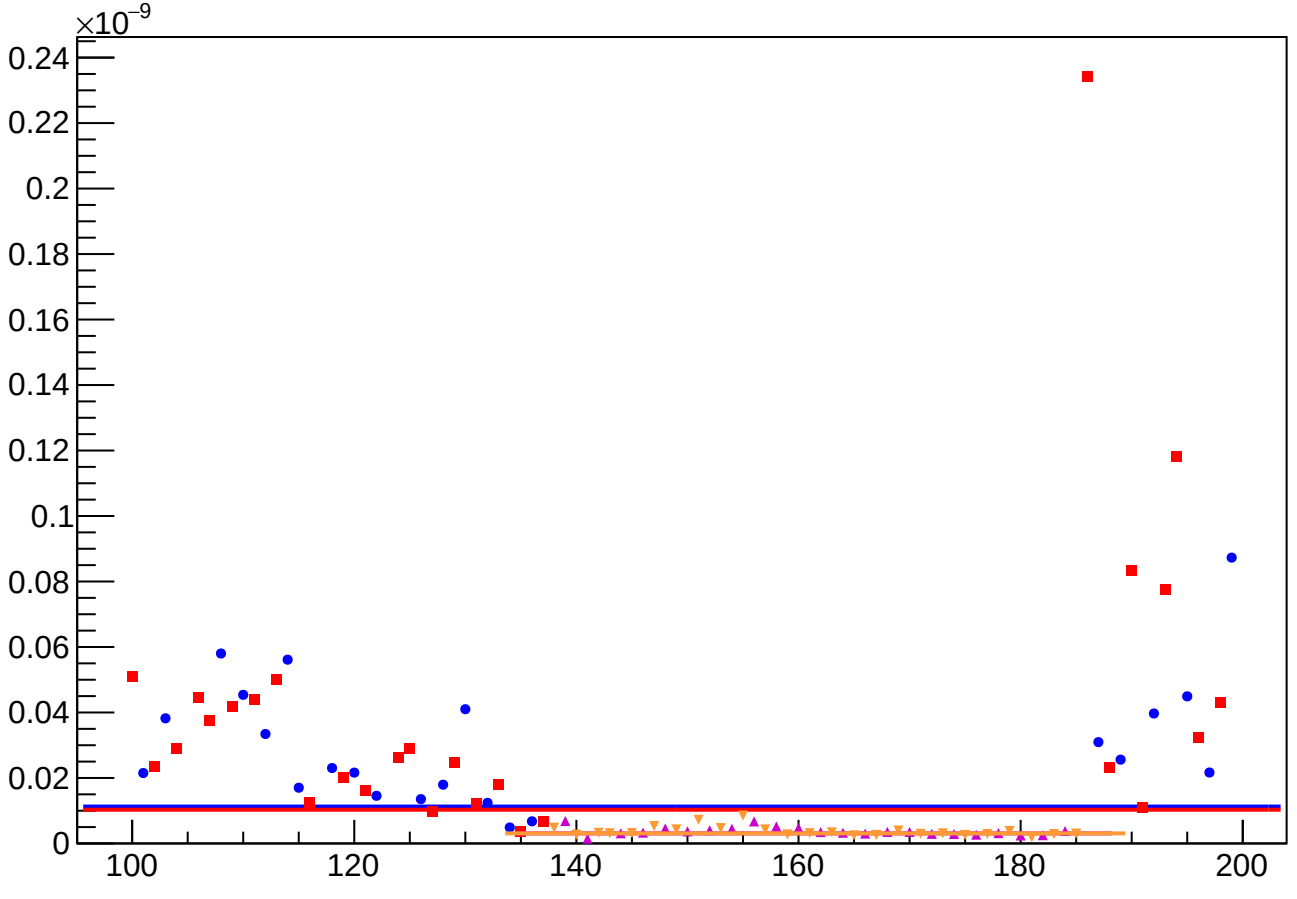
Left: 0.000+/-0.000 χ^2/NDF: 54.6/47

Right: 0.000+/-0.000 χ^2/NDF: 49.2/48

In: 0.000+/-0.000 χ^2/NDF:33.5/44

Out: 0.000+/-0.000 χ^2/NDF:69.9/51

All: 0.000+/-0.000 χ^2/NDF: 103.8/96



Right In: 0.000+/-0.000 χ^2/NDF: 5475851.1/21

Left Out: 0.000+/-0.000 χ^2/NDF:2024861.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8043655.4/26

Left In: 0.000+/-0.000 χ^2/NDF:2149738.1/22

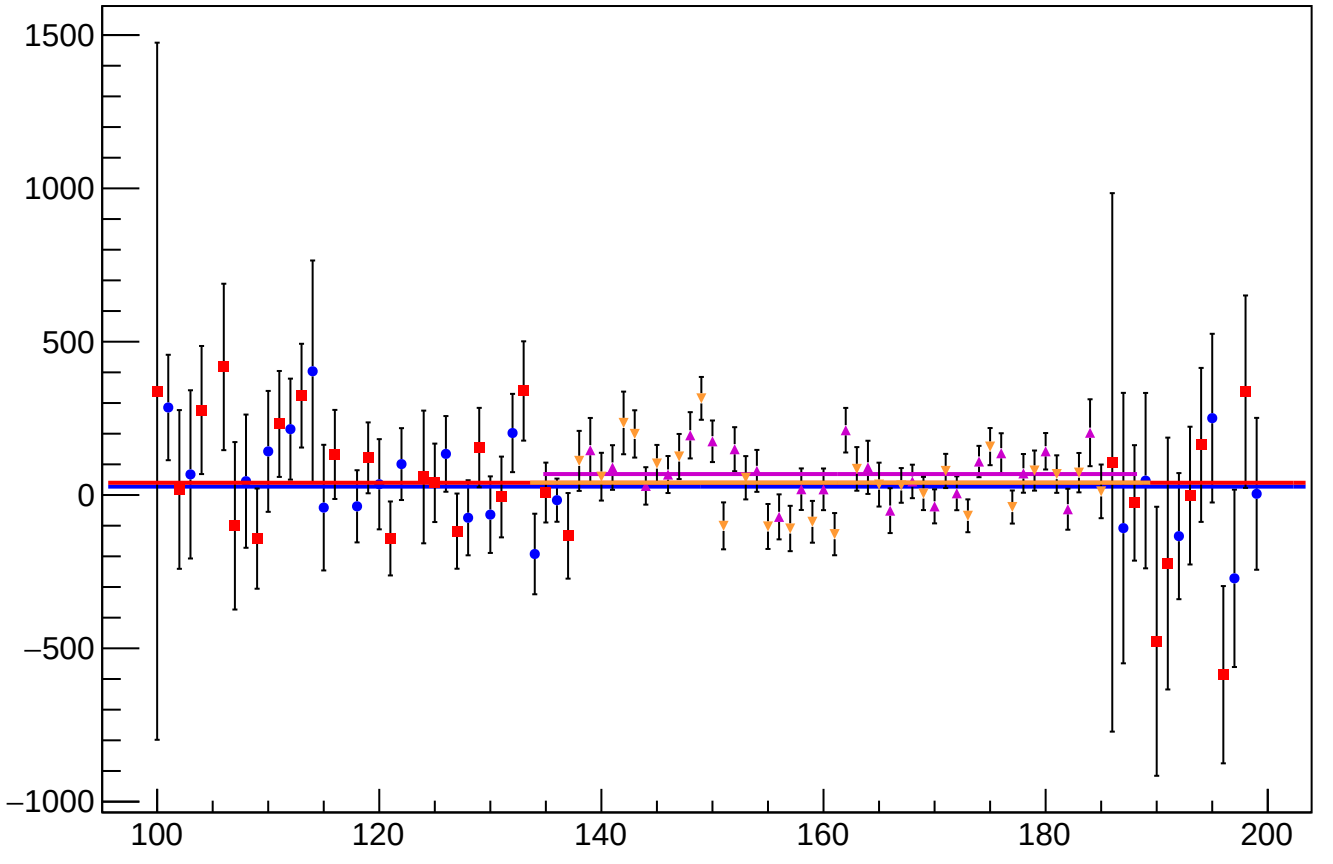
Left: 0.000+/-0.000 χ^2/NDF: 4174620.9/47

Right: 0.000+/-0.000 χ^2/NDF: 13547202.1/48

In: 0.000+/-0.000 χ^2/NDF:11422348.8/44

Out: 0.000+/-0.000 χ^2/NDF:13159404.8/51

All: 0.000+/-0.000 χ^2/NDF: 24582873.1/96



Right In: 27.371+/-32.382 χ^2/NDF: 15.3/21

Left Out: 40.342+/-13.402 χ^2/NDF:59.4/24

Right Out: 39.966+/-32.938 χ^2/NDF: 27.5/26

Left In: 68.344+/-13.866 χ^2/NDF:31.8/22

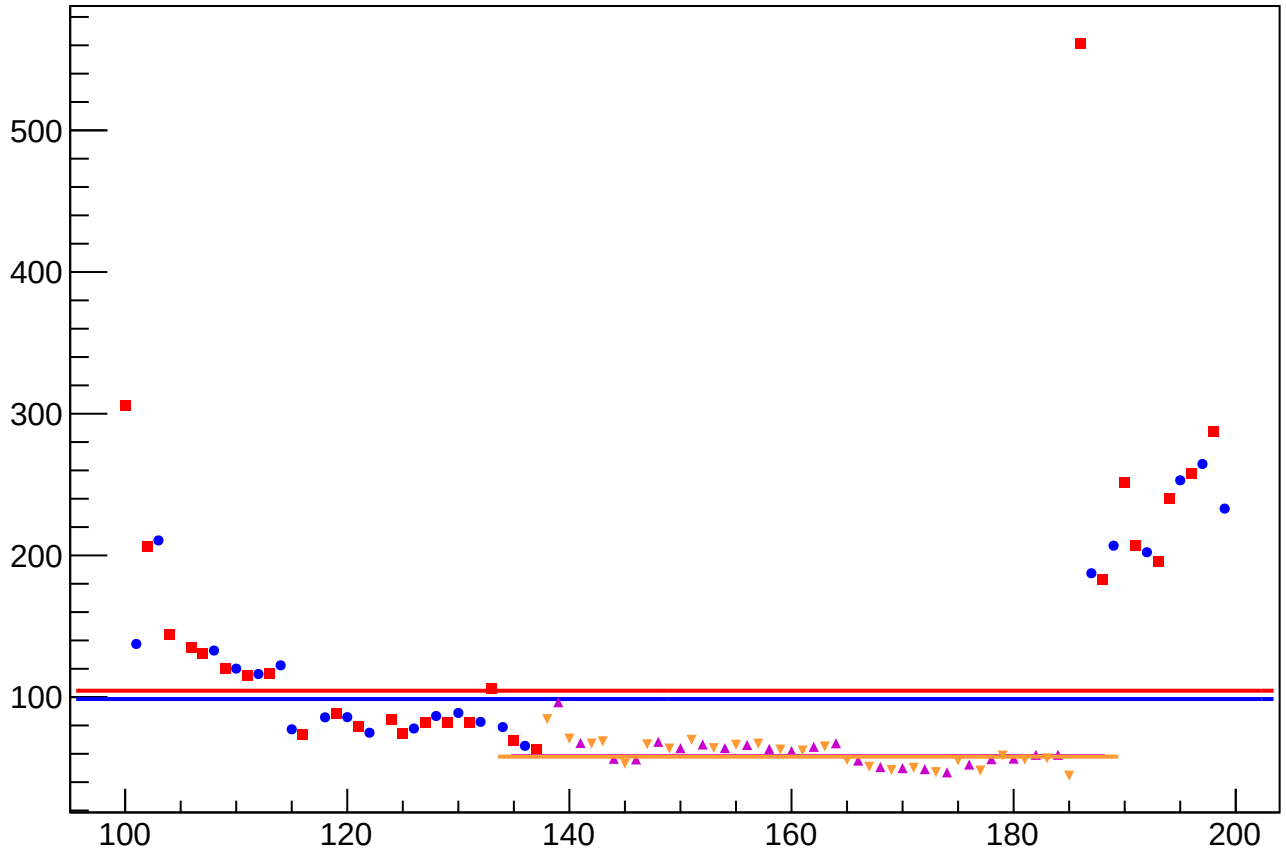
Left: 53.866+/-9.637 χ^2/NDF: 93.3/47

Right: 33.561+/-23.092 χ^2/NDF: 42.8/48

In: 61.996+/-12.747 χ^2/NDF:48.4/44

Out: 40.289+/-12.414 χ^2/NDF:86.9/51

All: 50.855+/-8.893 χ^2/NDF: 136.8/96



Right In: 98.653+/-0.023 χ^2/NDF: 4040412.8/21

Left Out: 57.996+/-0.009 χ^2/NDF:807648.8/24

Right Out: 104.524+/-0.023 χ^2/NDF: 4883088.0/26

Left In: 58.397+/-0.010 χ^2/NDF:735208.2/22

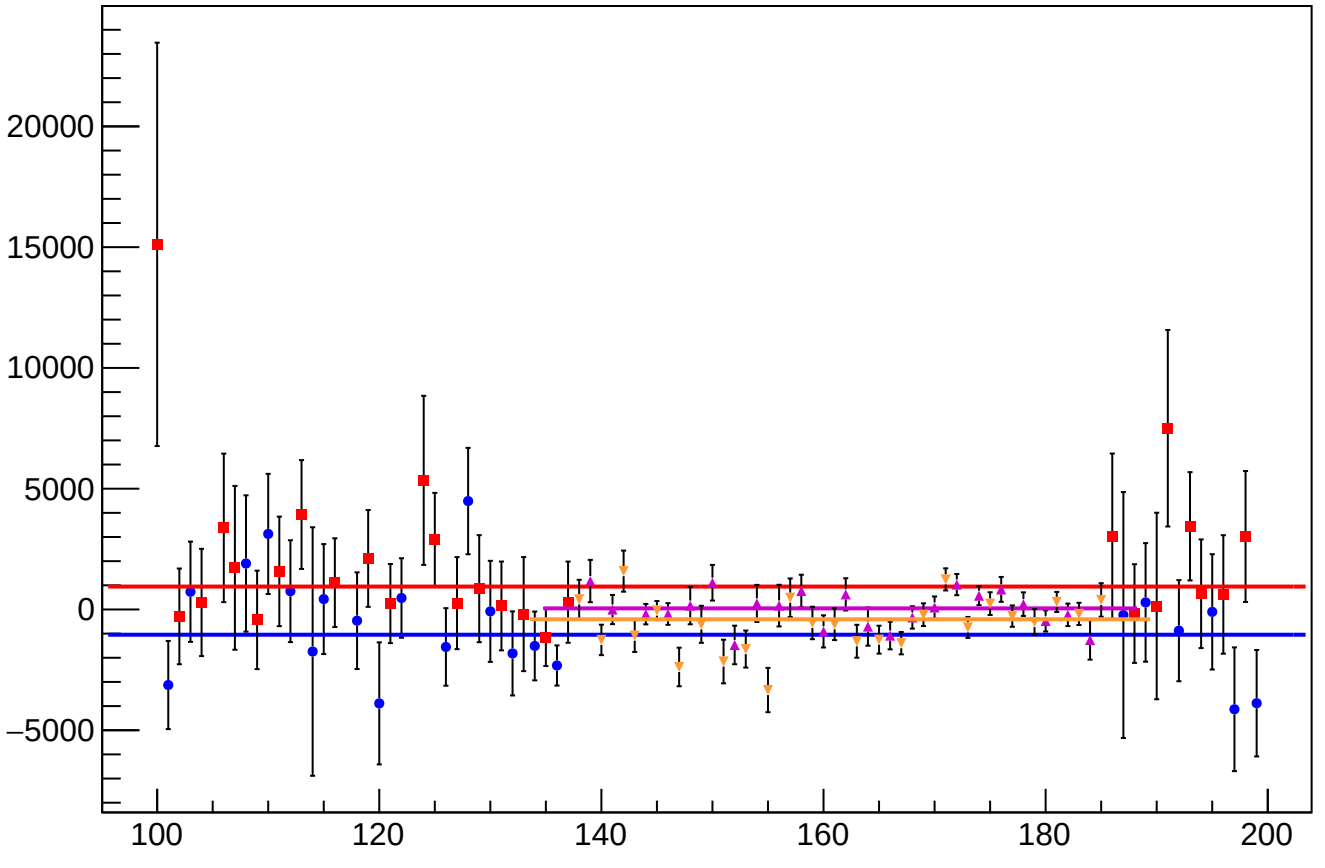
Left: 58.189+/-0.007 χ^2/NDF: 1543722.5/47

Right: 101.539+/-0.016 χ^2/NDF: 8955809.5/48

In: 64.634+/-0.009 χ^2/NDF:7387616.1/44

Out: 64.605+/-0.009 χ^2/NDF:9114853.0/51

All: 64.619+/-0.006 χ^2/NDF: 16502474.8/96



Right In: -1045.705+/-404.528 χ^2/NDF: 22.2/21

Left Out: -406.322+/-113.468 χ^2/NDF:63.2/24

Right Out: 948.406+/-418.135 χ^2/NDF: 18.4/26

Left In: 44.831+/-115.765 χ^2/NDF:31.1/22

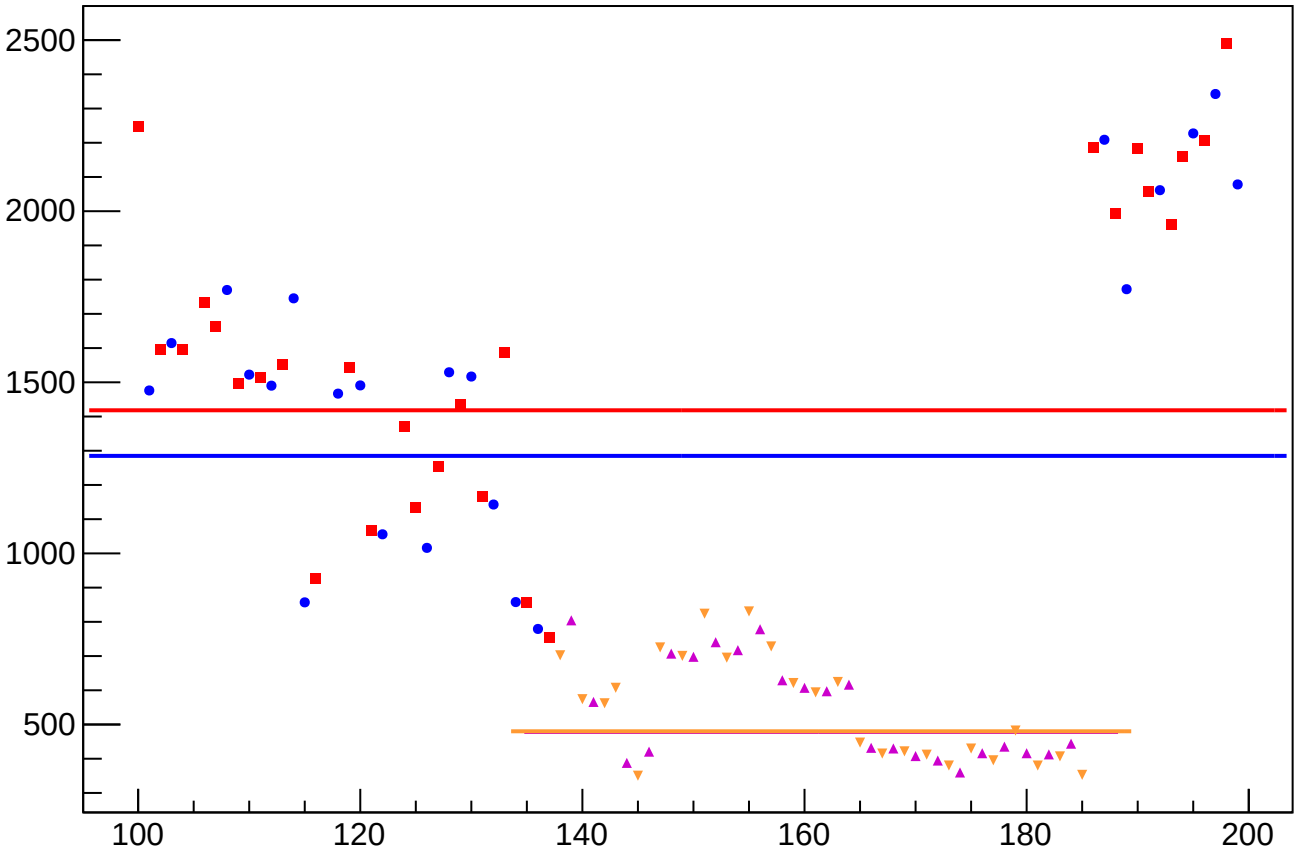
Left: -185.266+/-81.034 χ^2/NDF: 102.0/47

Right: -81.624+/-290.736 χ^2/NDF: 52.3/48

In: -37.718+/-111.297 χ^2/NDF:60.0/44

Out: -313.403+/-109.507 χ^2/NDF:91.3/51

All: -177.795+/-78.058 χ^2/NDF: 154.4/96



Right In: 1284.982+/-0.286 χ^2/NDF: 2694044.5/21

Left Out: 480.162+/-0.080 χ^2/NDF:2582213.9/24

Right Out: 1418.216+/-0.296 χ^2/NDF: 2434731.4/26

Left In: 478.084+/-0.082 χ^2/NDF:2215520.4/22

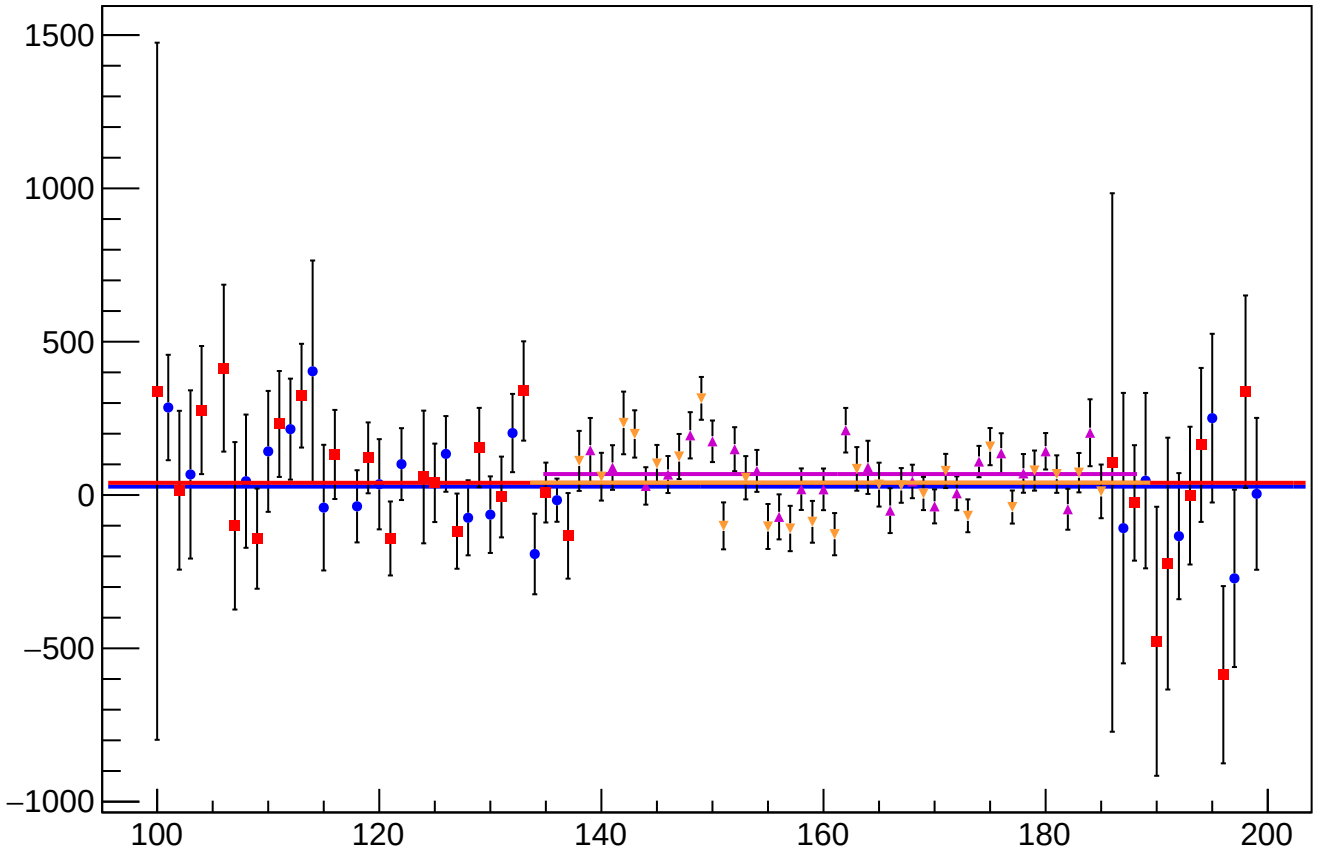
Left: 479.144+/-0.057 χ^2/NDF: 4798063.1/47

Right: 1349.396+/-0.206 χ^2/NDF: 5233664.6/48

In: 539.162+/-0.079 χ^2/NDF:12264616.1/44

Out: 544.502+/-0.077 χ^2/NDF:14392438.3/51

All: 541.875+/-0.055 χ^2/NDF: 26659393.1/96



Right In: 27.362+/-32.382 χ^2/NDF: 15.3/21

Left Out: 40.344+/-13.402 χ^2/NDF:59.4/24

Right Out: 39.830+/-32.939 χ^2/NDF: 27.4/26

Left In: 68.343+/-13.866 χ^2/NDF:31.7/22

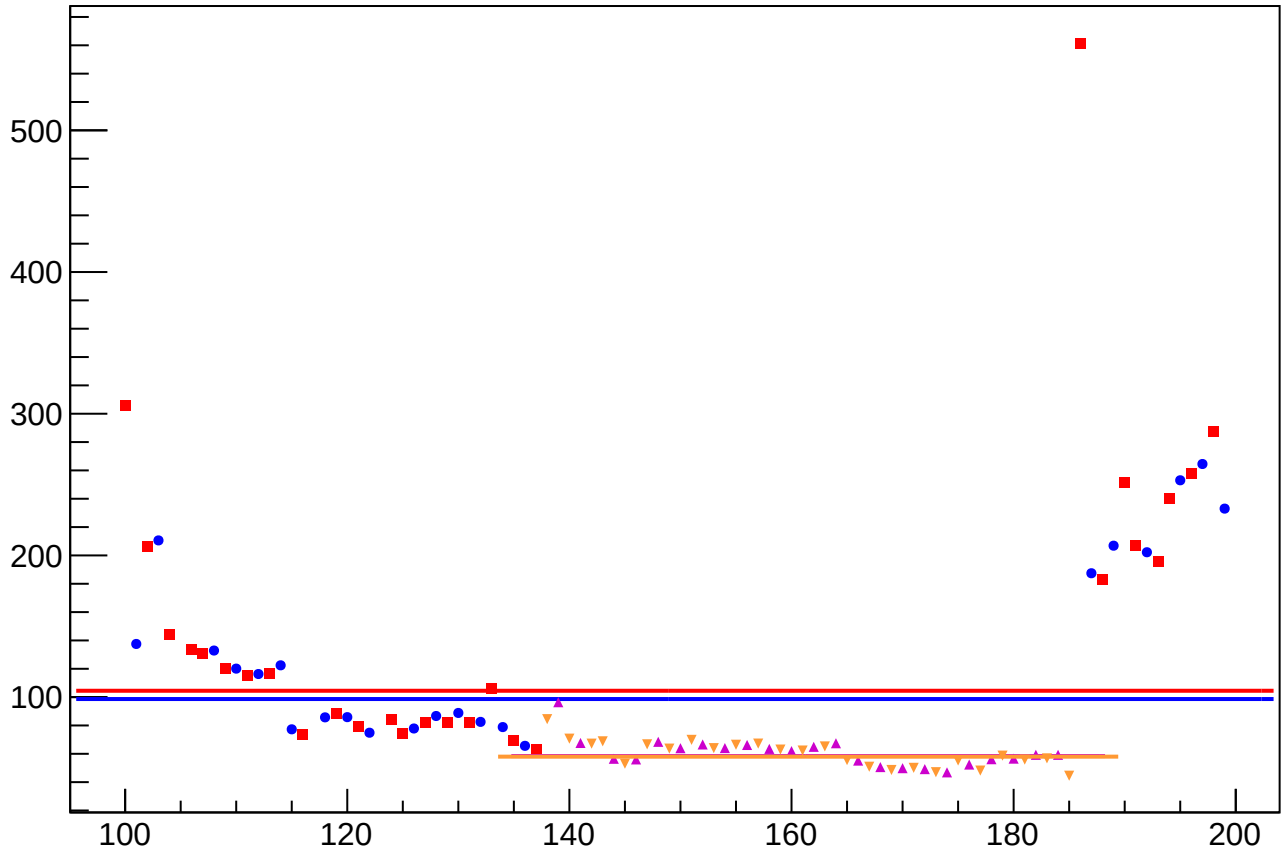
Left: 53.867+/-9.637 χ^2/NDF: 93.3/47

Right: 33.490+/-23.092 χ^2/NDF: 42.8/48

In: 61.993+/-12.747 χ^2/NDF:48.4/44

Out: 40.271+/-12.414 χ^2/NDF:86.8/51

All: 50.845+/-8.893 χ^2/NDF: 136.7/96



Right In: 98.653+/-0.023 χ^2/NDF: 4040415.8/21

Left Out: 57.996+/-0.009 χ^2/NDF:807648.7/24

Right Out: 104.492+/-0.023 χ^2/NDF: 4880107.6/26

Left In: 58.397+/-0.010 χ^2/NDF:735208.2/22

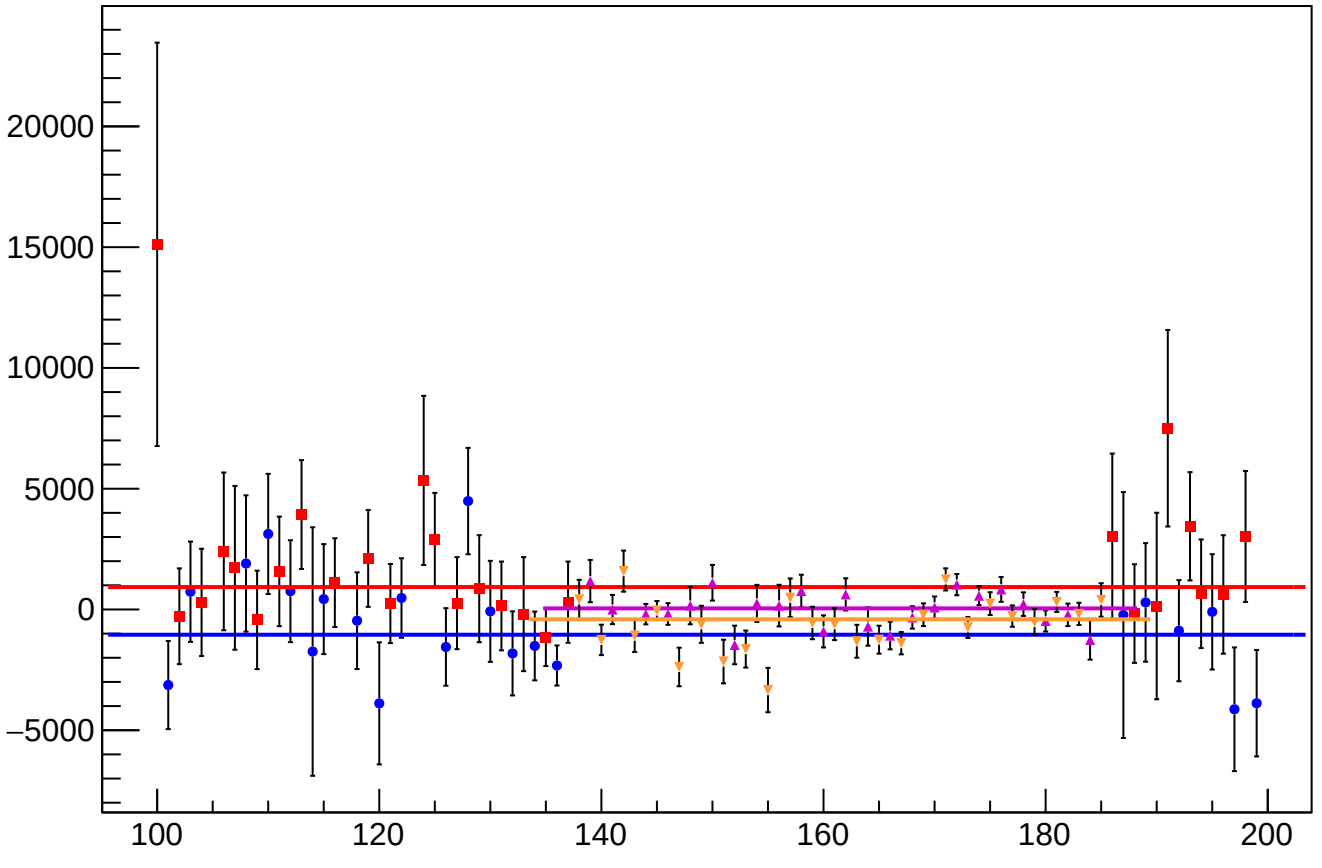
Left: 58.189+/-0.007 χ^2/NDF: 1543722.4/47

Right: 101.523+/-0.016 χ^2/NDF: 8952484.1/48

In: 64.634+/-0.009 χ^2/NDF:7387618.4/44

Out: 64.599+/-0.009 χ^2/NDF:9106910.0/51

All: 64.616+/-0.006 χ^2/NDF: 16494536.1/96



Right In: -1045.680+/-404.529 χ^2/NDF: 22.2/21

Left Out: -406.320+/-113.468 χ^2/NDF:63.2/24

Right Out: 927.613+/-418.590 χ^2/NDF: 17.9/26

Left In: 44.830+/-115.765 χ^2/NDF:31.1/22

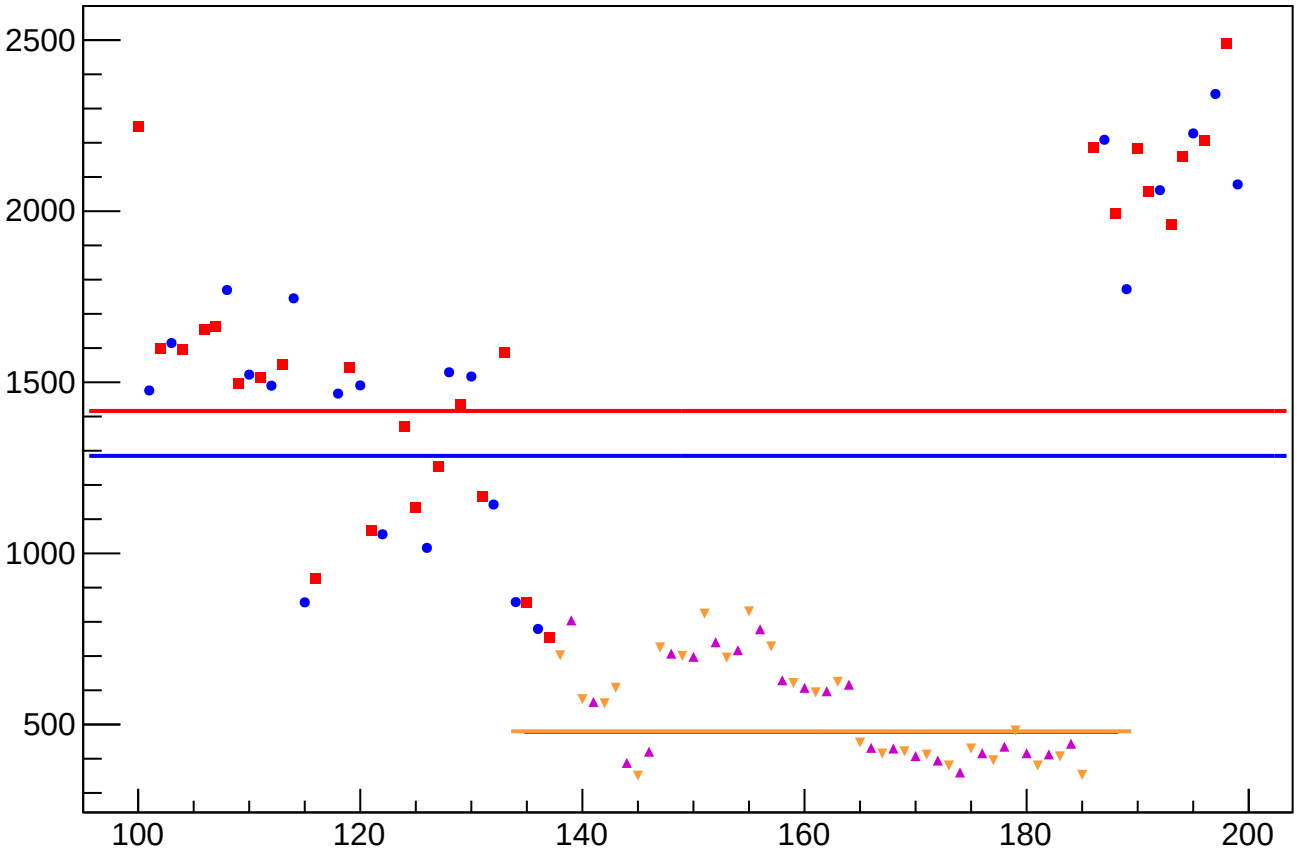
Left: -185.266+/-81.034 χ^2/NDF: 102.0/47

Right: -92.733+/-290.889 χ^2/NDF: 51.6/48

In: -37.717+/-111.297 χ^2/NDF:60.0/44

Out: -315.012+/-109.515 χ^2/NDF:90.6/51

All: -178.602+/-78.061 χ^2/NDF: 153.7/96



Right In: 1284.984+/-0.286 χ^2/NDF: 2694074.6/21

Left Out: 480.162+/-0.080 χ^2/NDF:2582209.1/24

Right Out: 1416.308+/-0.296 χ^2/NDF: 2424398.5/26

Left In: 478.084+/-0.082 χ^2/NDF:2215518.9/22

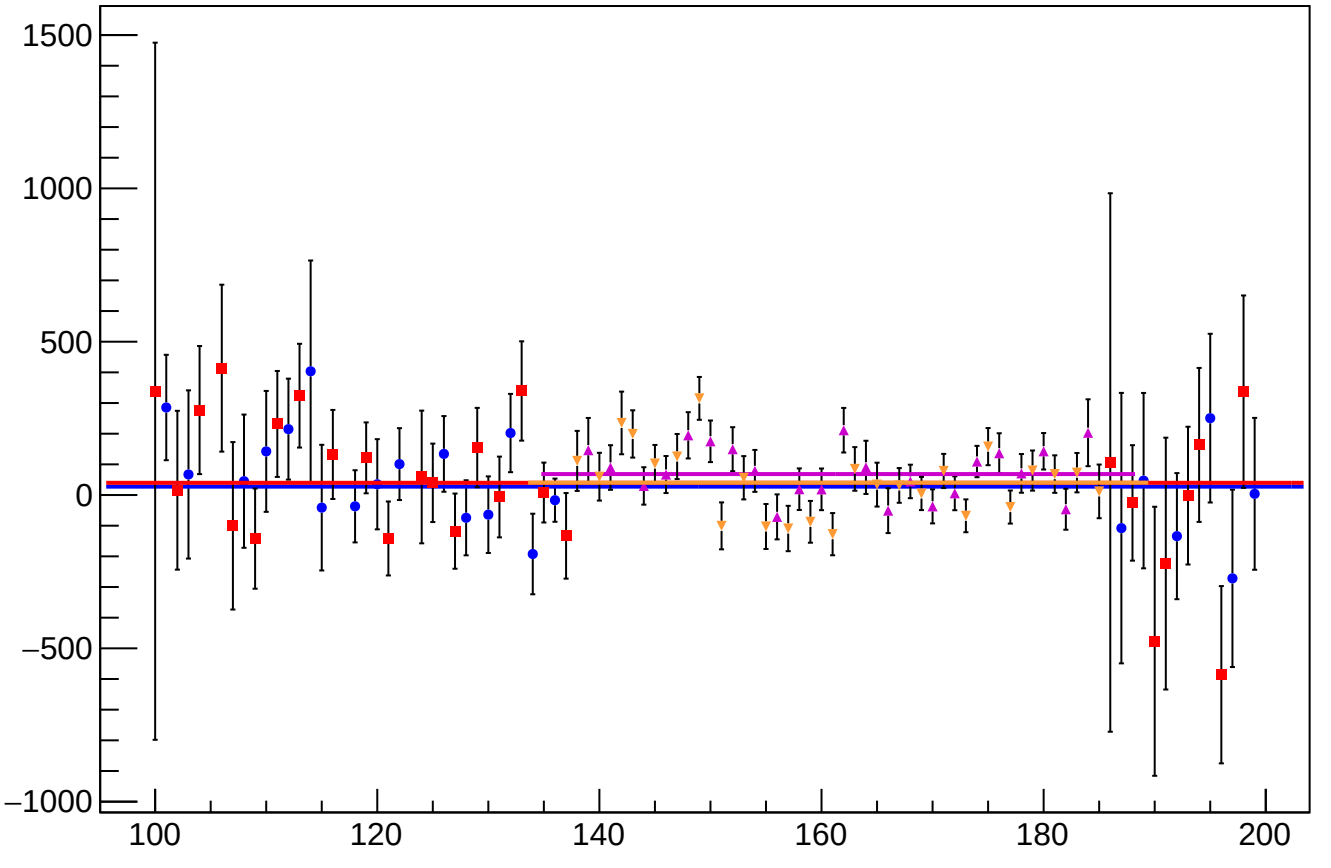
Left: 479.144+/-0.057 χ^2/NDF: 4798056.8/47

Right: 1348.403+/-0.206 χ^2/NDF: 5220262.3/48

In: 539.163+/-0.079 χ^2/NDF:12264642.3/44

Out: 544.241+/-0.077 χ^2/NDF:14325120.7/51

All: 541.743+/-0.055 χ^2/NDF: 26591878.6/96



Right In: 27.362+/-32.382 χ^2/NDF: 15.3/21

Left Out: 40.344+/-13.402 χ^2/NDF:59.4/24

Right Out: 39.830+/-32.939 χ^2/NDF: 27.4/26

Left In: 68.343+/-13.866 χ^2/NDF:31.7/22

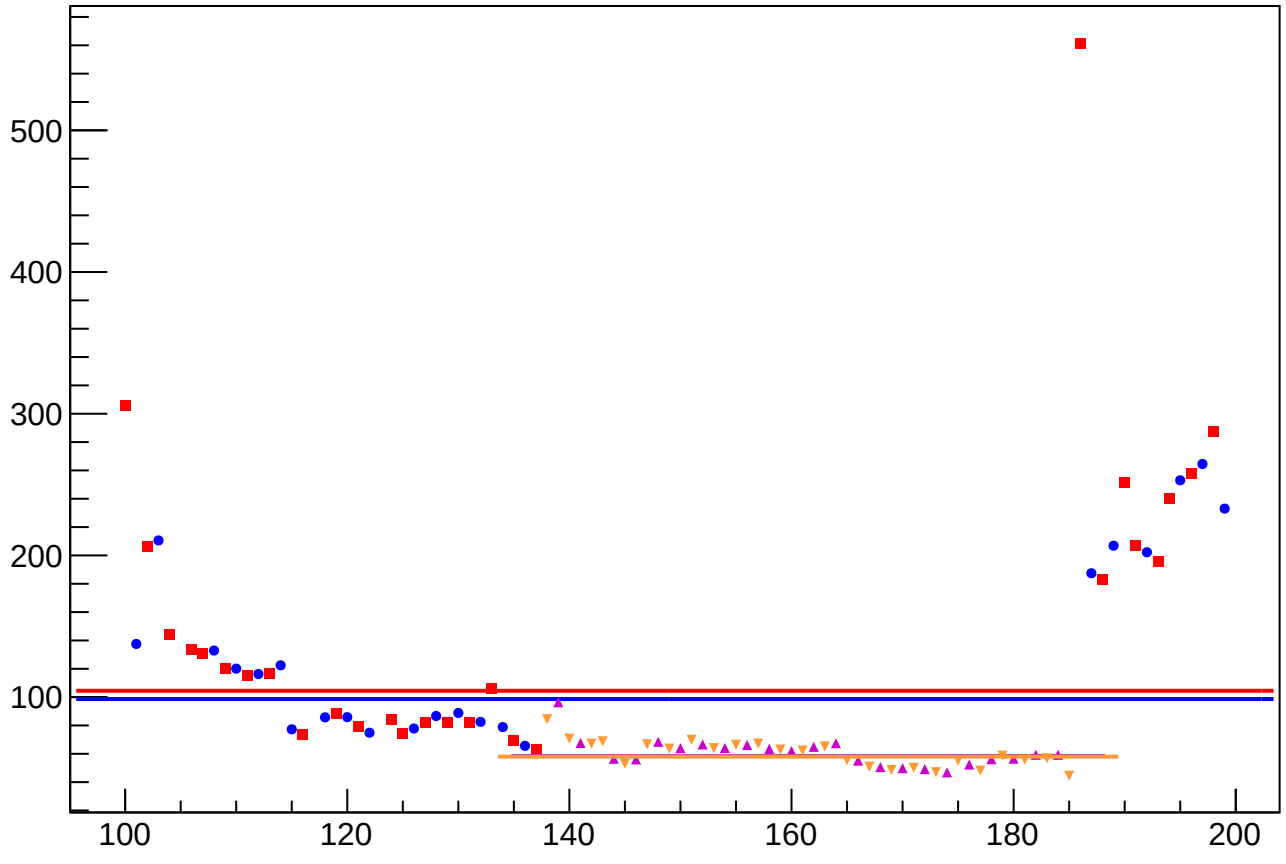
Left: 53.867+/-9.637 χ^2/NDF: 93.3/47

Right: 33.490+/-23.092 χ^2/NDF: 42.8/48

In: 61.993+/-12.747 χ^2/NDF:48.4/44

Out: 40.271+/-12.414 χ^2/NDF:86.8/51

All: 50.845+/-8.893 χ^2/NDF: 136.7/96



Right In: 98.653+/-0.023 χ^2/NDF: 4040415.8/21

Left Out: 57.996+/-0.009 χ^2/NDF:807648.7/24

Right Out: 104.492+/-0.023 χ^2/NDF: 4880107.6/26

Left In: 58.397+/-0.010 χ^2/NDF:735208.2/22

Left: 58.189+/-0.007 χ^2/NDF: 1543722.4/47

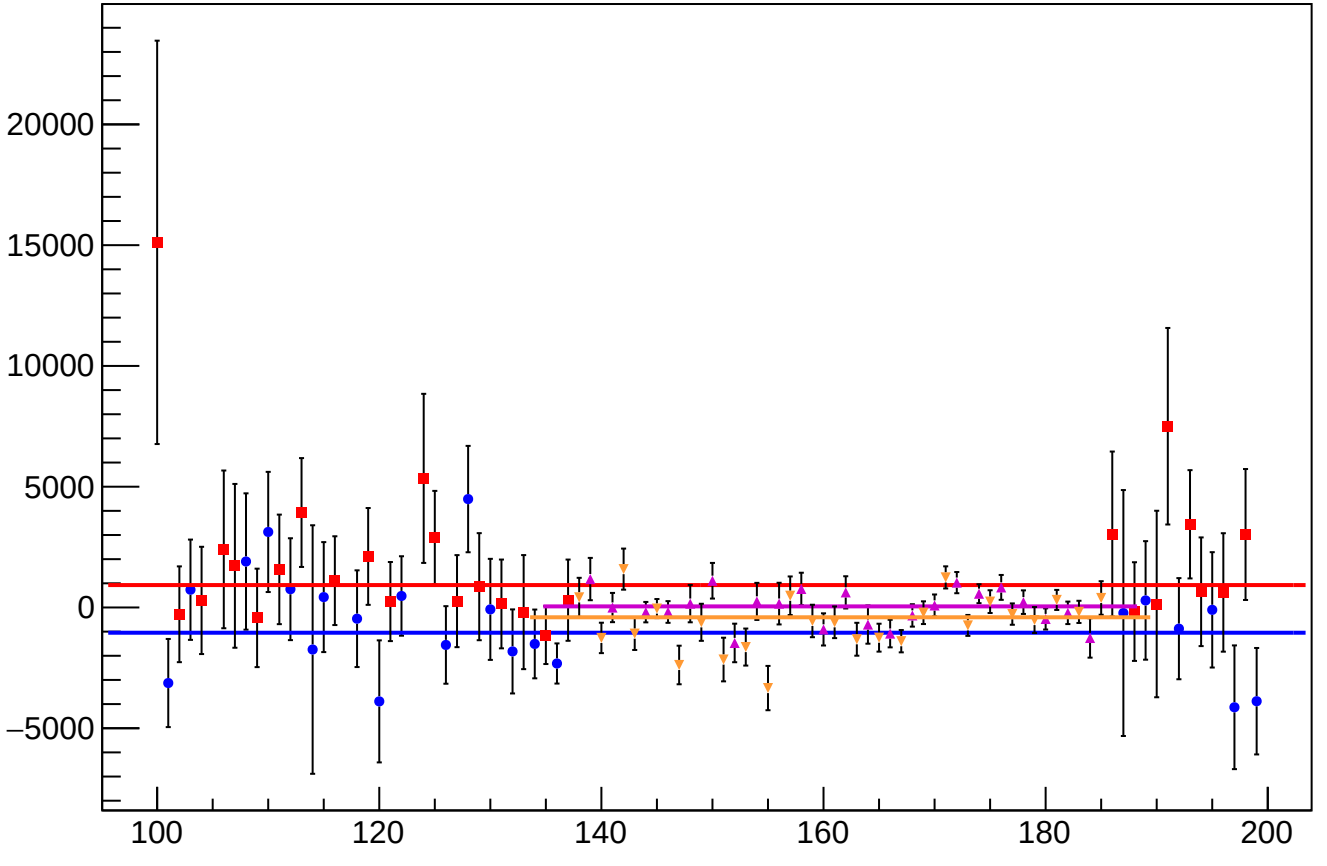
Right: 101.523+/-0.016 χ^2/NDF: 8952484.1/48

In: 64.634+/-0.009 χ^2/NDF:7387618.4/44

Out: 64.599+/-0.009 χ^2/NDF:9106910.0/51

All: 64.616+/-0.006 χ^2/NDF: 16494536.1/96

asym_sam_3726_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -1045.680+/-404.529 χ^2/NDF: 22.2/21

Left Out: -406.320+/-113.468 χ^2/NDF:63.2/24

Right Out: 927.613+/-418.590 χ^2/NDF: 17.9/26

Left In: 44.830+/-115.765 χ^2/NDF:31.1/22

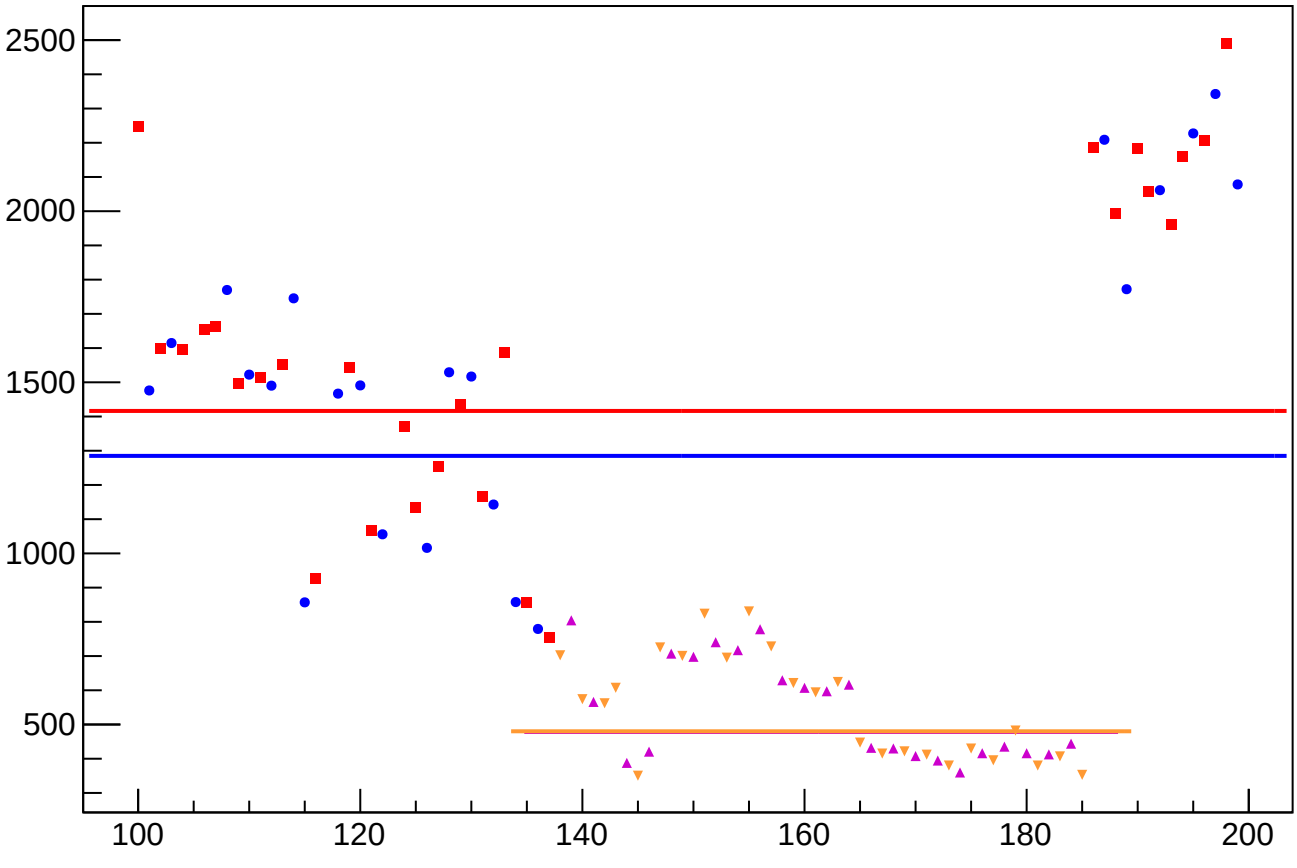
Left: -185.266+/-81.034 χ^2/NDF: 102.0/47

Right: -92.733+/-290.889 χ^2/NDF: 51.6/48

In: -37.717+/-111.297 χ^2/NDF:60.0/44

Out: -315.012+/-109.515 χ^2/NDF:90.6/51

All: -178.602+/-78.061 χ^2/NDF: 153.7/96



Right In: 1284.984+/-0.286 χ^2/NDF: 2694074.6/21

Left Out: 480.162+/-0.080 χ^2/NDF:2582209.1/24

Right Out: 1416.308+/-0.296 χ^2/NDF: 2424398.5/26

Left In: 478.084+/-0.082 χ^2/NDF:2215518.9/22

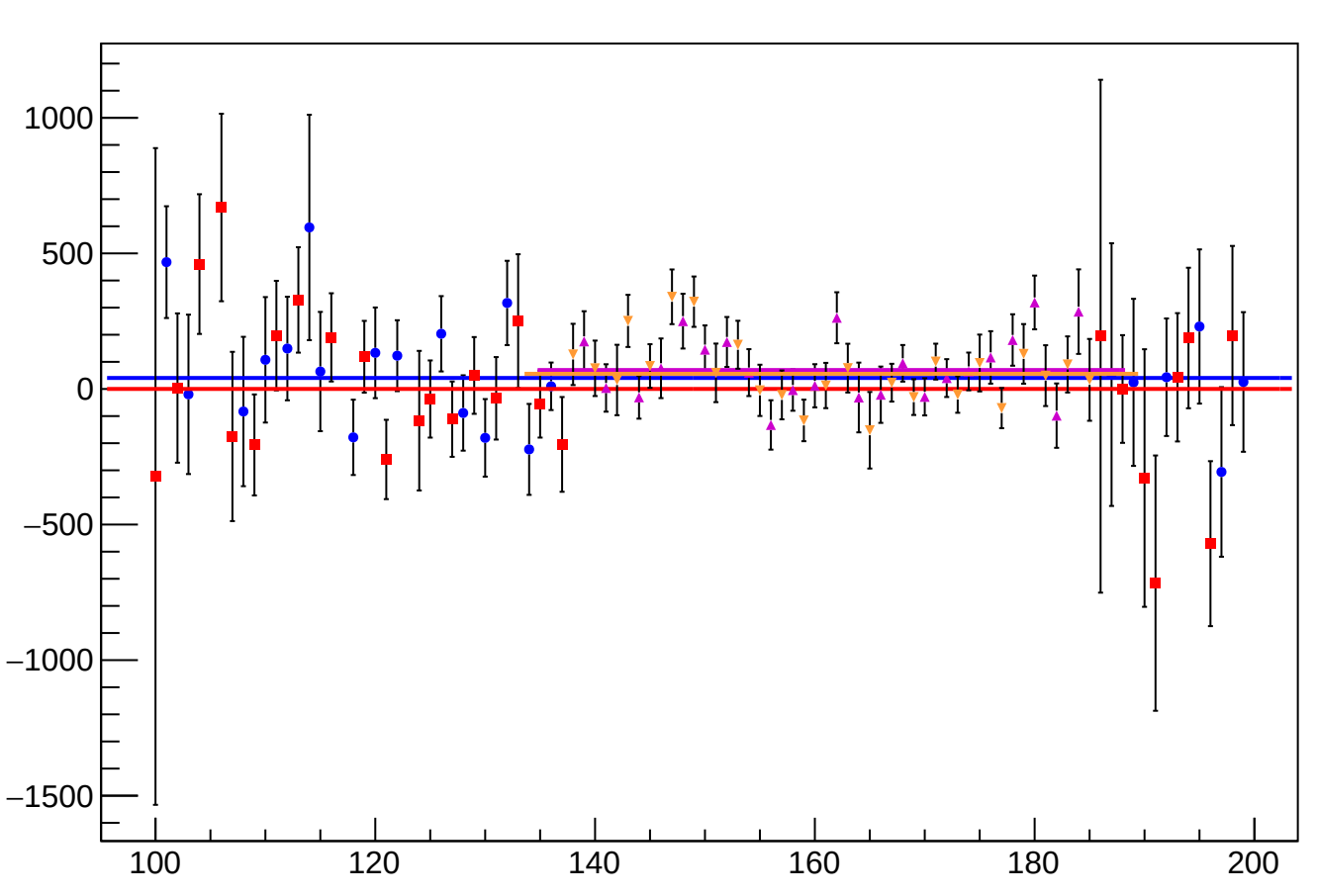
Left: 479.144+/-0.057 χ^2/NDF: 4798056.8/47

Right: 1348.403+/-0.206 χ^2/NDF: 5220262.3/48

In: 539.163+/-0.079 χ^2/NDF:12264642.3/44

Out: 544.241+/-0.077 χ^2/NDF:14325120.7/51

All: 541.743+/-0.055 χ^2/NDF: 26591878.6/96



Right In: 40.557+/-37.785 χ^2/NDF: 22.0/21

Left Out: 55.949+/-17.949 χ^2/NDF:38.3/24

Right Out: 0.098+/-38.312 χ^2/NDF: 28.7/26

Left In: 69.844+/-18.497 χ^2/NDF:34.5/22

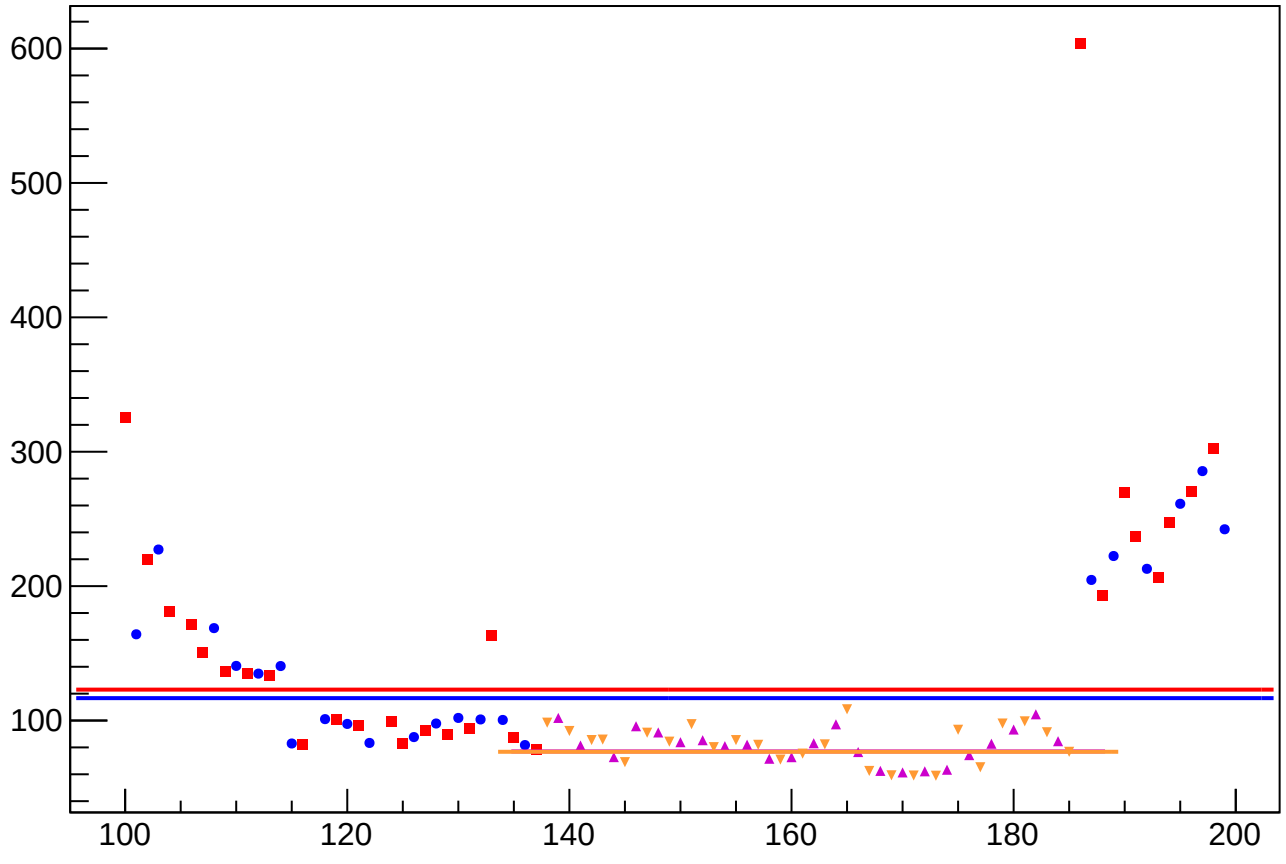
Left: 62.687+/-12.881 χ^2/NDF: 73.1/47

Right: 20.607+/-26.903 χ^2/NDF: 51.2/48

In: 64.182+/-16.613 χ^2/NDF:57.0/44

Out: 45.896+/-16.254 χ^2/NDF:68.7/51

All: 54.840+/-11.618 χ^2/NDF: 126.3/96



Right In: 116.660+/-0.027 χ^2/NDF: 3511030.2/21

Left Out: 76.744+/-0.013 χ^2/NDF:1234629.1/24

Right Out: 123.001+/-0.027 χ^2/NDF: 4379473.1/26

Left In: 77.018+/-0.013 χ^2/NDF:858871.7/22

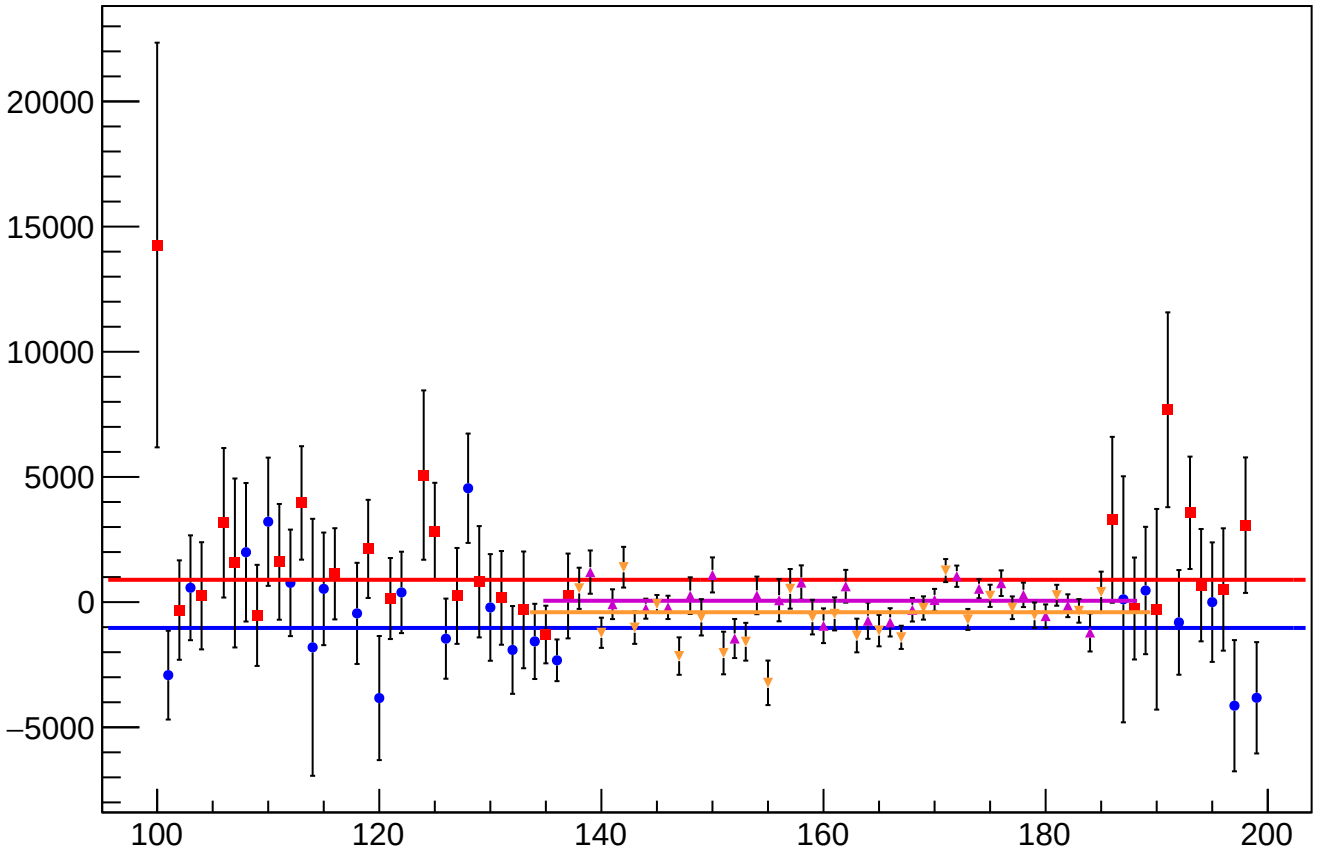
Left: 76.877+/-0.009 χ^2/NDF: 2093727.3/47

Right: 119.787+/-0.019 χ^2/NDF: 7918278.8/48

In: 84.681+/-0.012 χ^2/NDF:6145727.8/44

Out: 85.069+/-0.011 χ^2/NDF:8004920.7/51

All: 84.879+/-0.008 χ^2/NDF: 14151207.4/96



Right In: -1031.589+/-406.558 χ^2/NDF: 22.1/21

Left Out: -403.375+/-111.773 χ^2/NDF:60.7/24

Right Out: 891.519+/-414.424 χ^2/NDF: 19.8/26

Left In: 54.192+/-114.223 χ^2/NDF:30.7/22

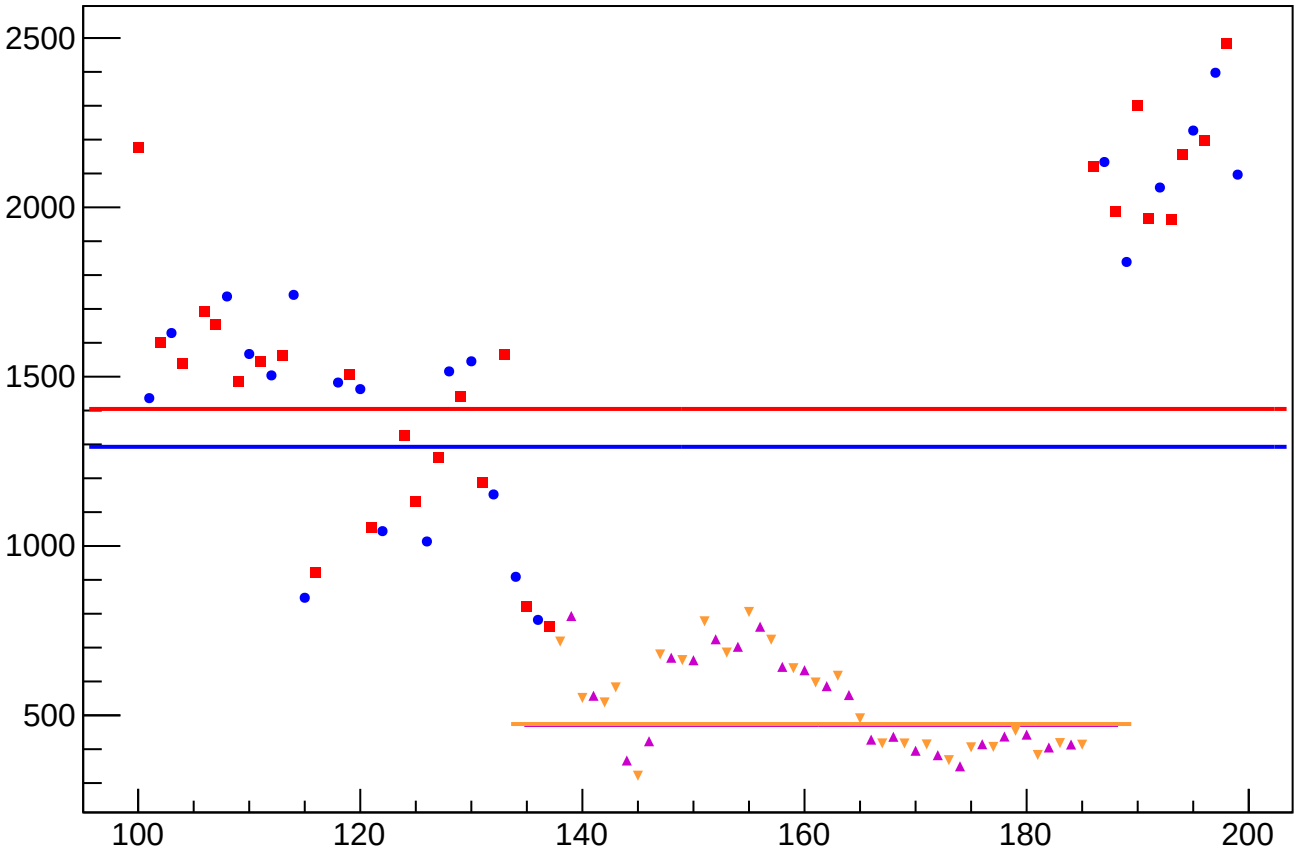
Left: -179.552+/-79.888 χ^2/NDF: 99.6/47

Right: -88.459+/-290.221 χ^2/NDF: 52.9/48

In: -25.243+/-109.966 χ^2/NDF:59.4/44

Out: -315.569+/-107.917 χ^2/NDF:89.6/51

All: -173.136+/-77.023 χ^2/NDF: 152.6/96



Right In: 1292.861+/-0.287 χ^2/NDF: 2674534.9/21

Left Out: 474.294+/-0.079 χ^2/NDF:2538995.4/24

Right Out: 1404.726+/-0.293 χ^2/NDF: 2501166.6/26

Left In: 471.456+/-0.081 χ^2/NDF:2209343.4/22

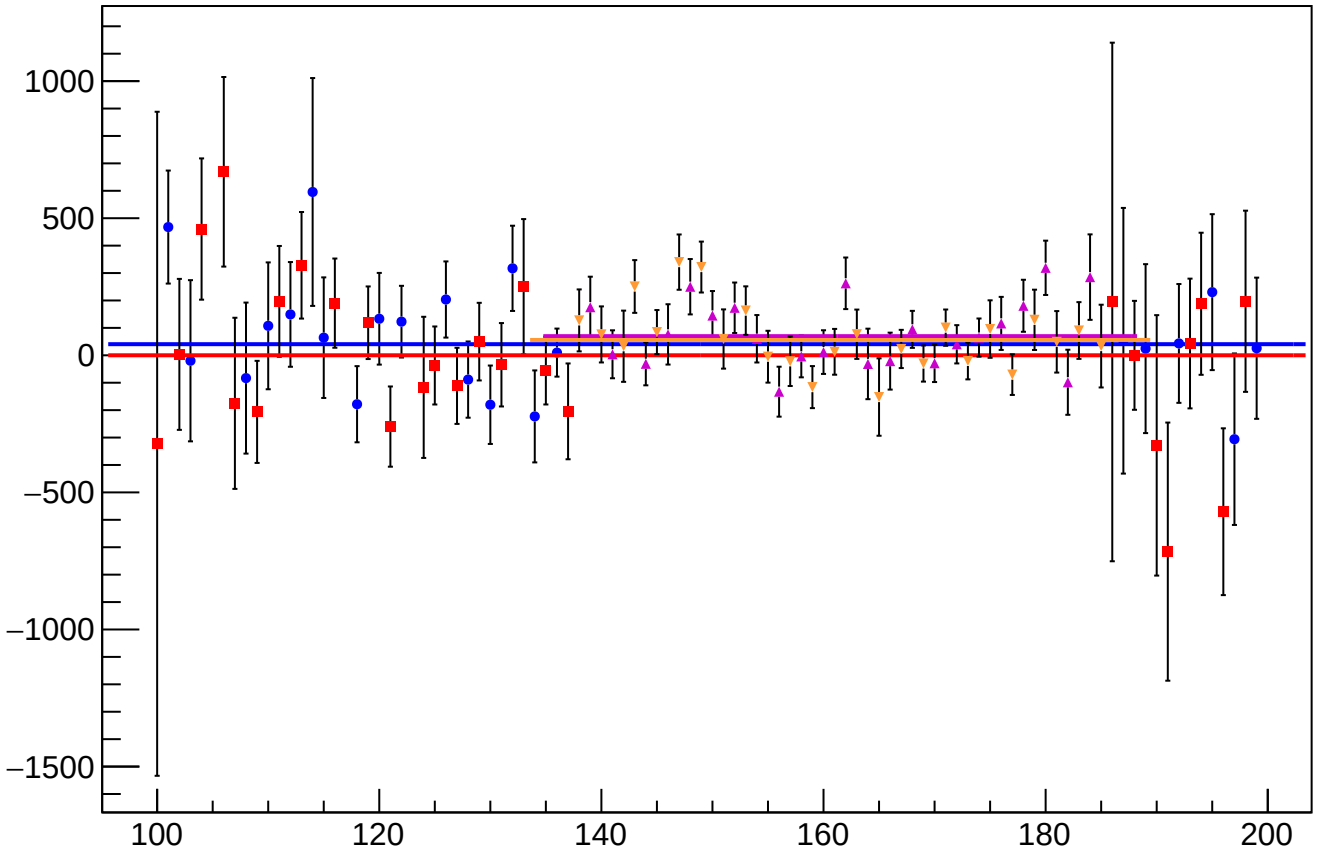
Left: 472.906+/-0.056 χ^2/NDF: 4748969.5/47

Right: 1347.722+/-0.205 χ^2/NDF: 5249958.0/48

In: 531.549+/-0.078 χ^2/NDF:12450550.6/44

Out: 537.386+/-0.076 χ^2/NDF:14437685.0/51

All: 534.522+/-0.054 χ^2/NDF: 26891105.7/96



Right In: 40.557+/-37.785 χ^2/NDF: 22.0/21

Left Out: 55.948+/-17.949 χ^2/NDF:38.3/24

Right Out: 0.096+/-38.312 χ^2/NDF: 28.7/26

Left In: 69.843+/-18.497 χ^2/NDF:34.5/22

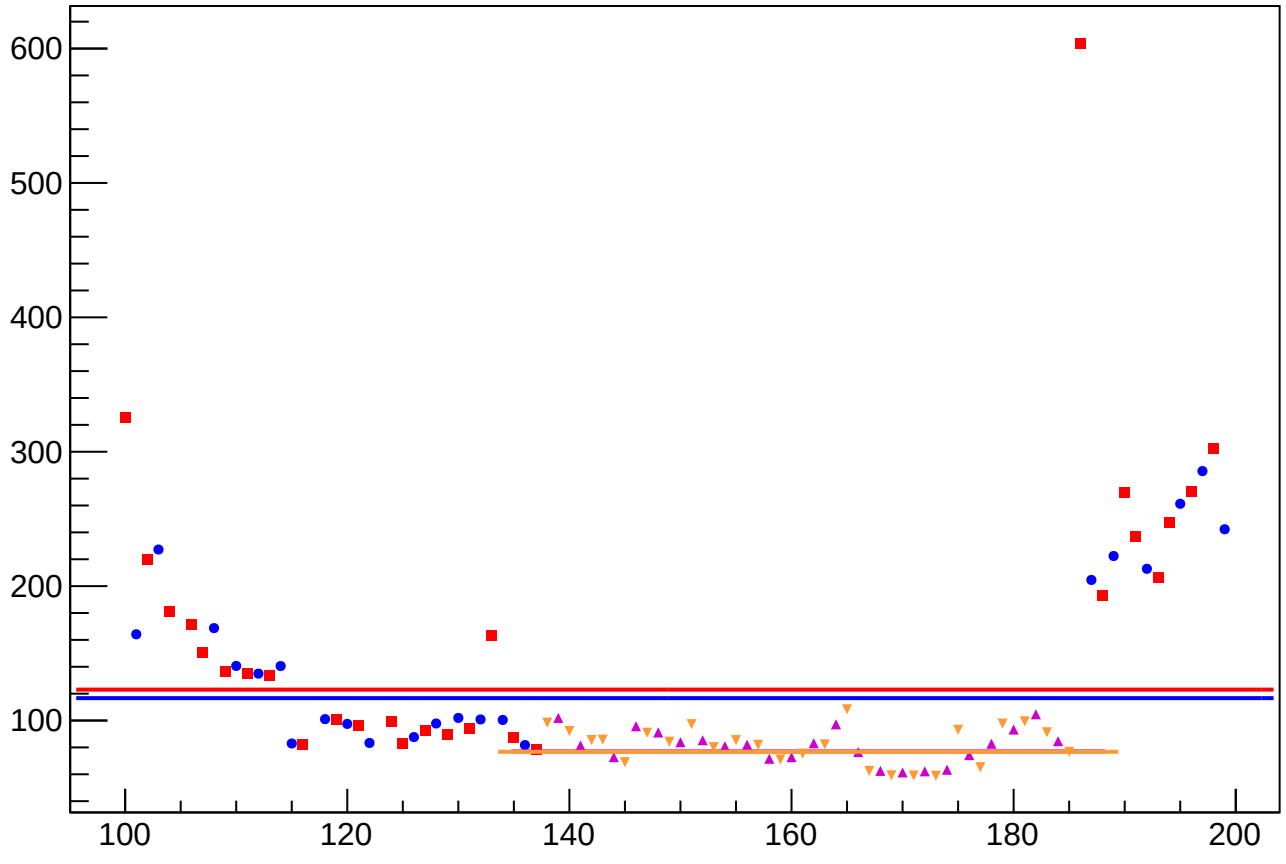
Left: 62.687+/-12.881 χ^2/NDF: 73.1/47

Right: 20.606+/-26.903 χ^2/NDF: 51.2/48

In: 64.182+/-16.613 χ^2/NDF:57.0/44

Out: 45.895+/-16.254 χ^2/NDF:68.7/51

All: 54.839+/-11.618 χ^2/NDF: 126.3/96



Right In: 116.660+/-0.027 χ^2/NDF: 3511033.9/21

Left Out: 76.744+/-0.013 χ^2/NDF:1234627.7/24

Right Out: 123.001+/-0.027 χ^2/NDF: 4379478.5/26

Left In: 77.018+/-0.013 χ^2/NDF:858863.2/22

Left: 76.877+/-0.009 χ^2/NDF: 2093717.5/47

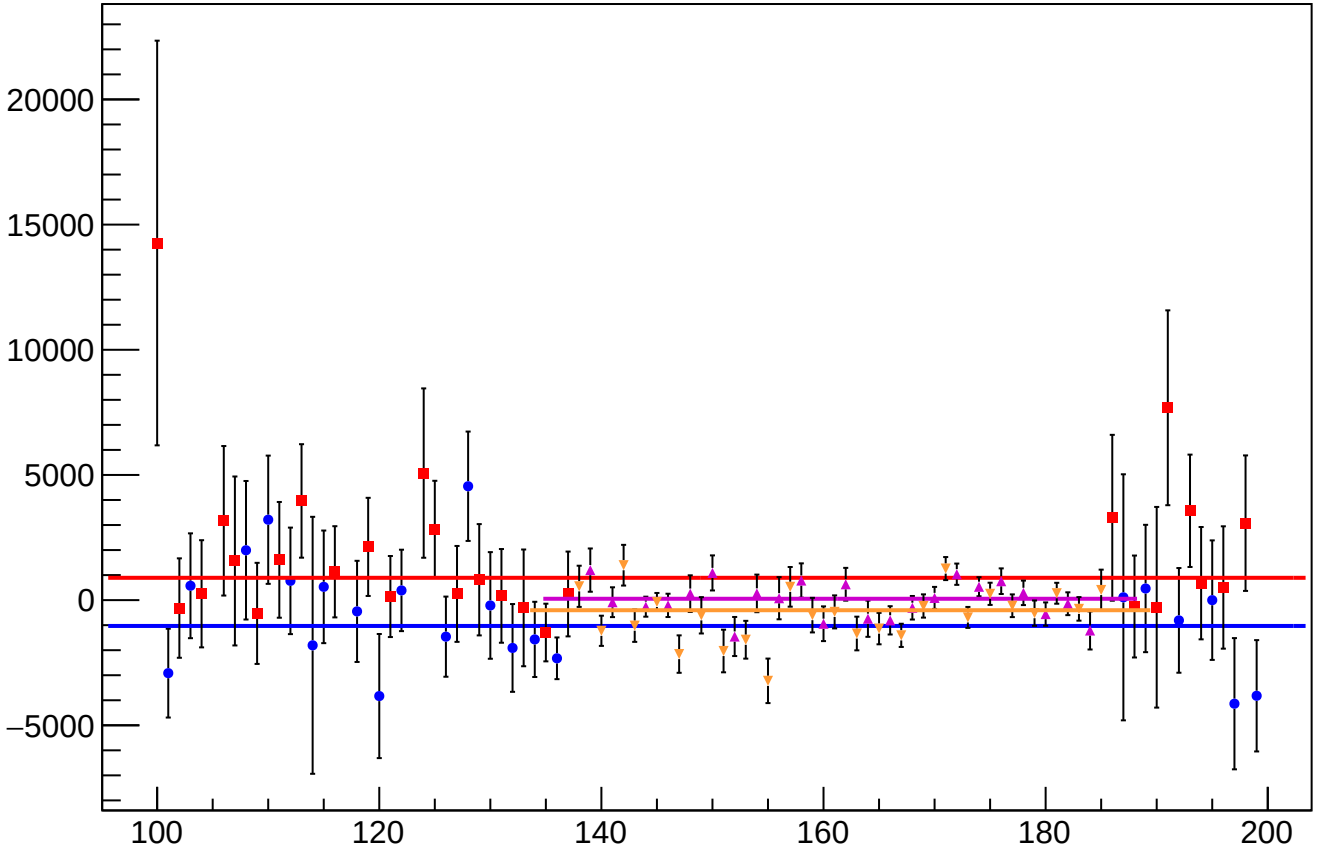
Right: 119.787+/-0.019 χ^2/NDF: 7918289.4/48

In: 84.681+/-0.012 χ^2/NDF:6145677.4/44

Out: 85.070+/-0.011 χ^2/NDF:8004888.0/51

All: 84.880+/-0.008 χ^2/NDF: 14151124.2/96

asym_sam_3726_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -1031.585+/-406.558 χ^2/NDF: 22.1/21

Left Out: -403.375+/-111.773 χ^2/NDF:60.7/24

Right Out: 891.519+/-414.424 χ^2/NDF: 19.8/26

Left In: 54.192+/-114.223 χ^2/NDF:30.7/22

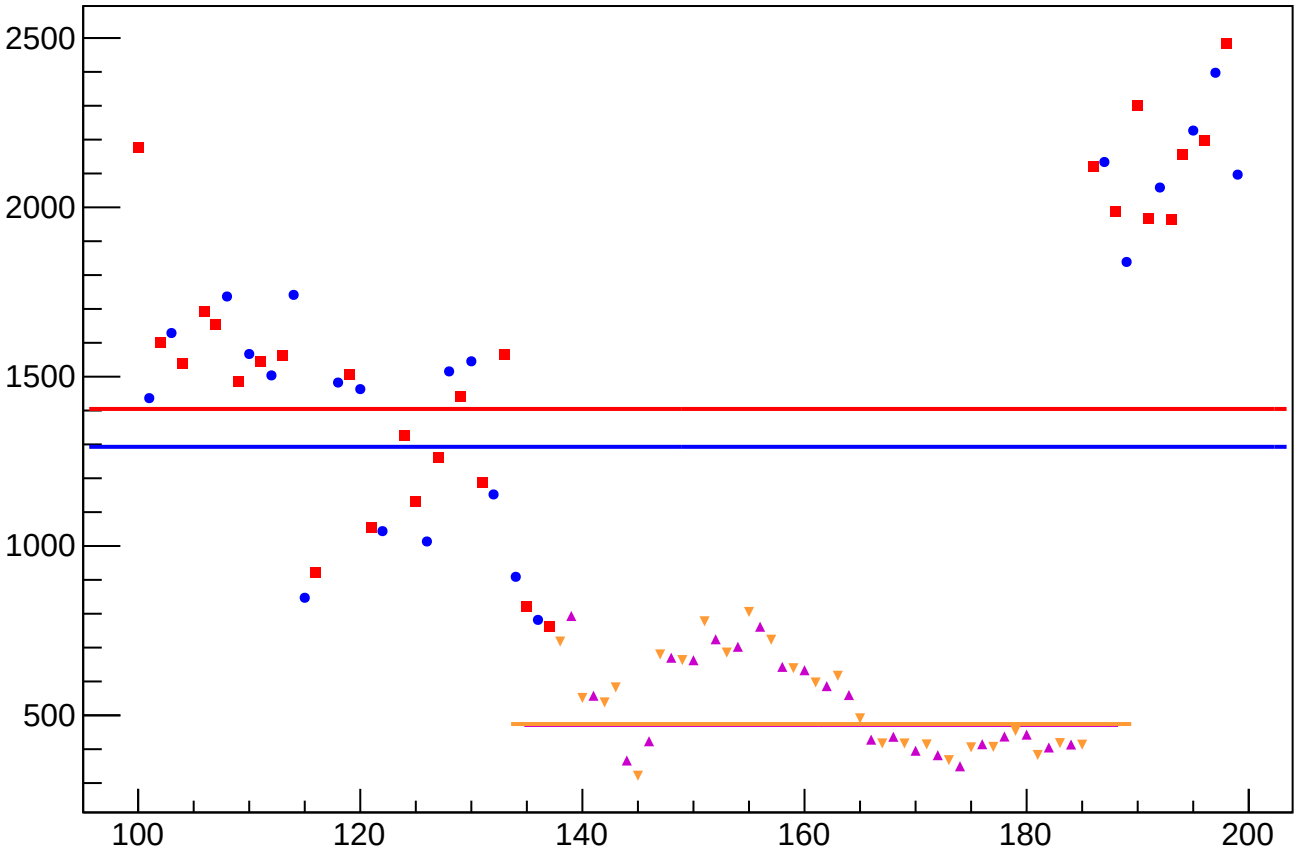
Left: -179.551+/-79.888 χ^2/NDF: 99.6/47

Right: -88.457+/-290.221 χ^2/NDF: 52.9/48

In: -25.243+/-109.966 χ^2/NDF:59.4/44

Out: -315.569+/-107.917 χ^2/NDF:89.6/51

All: -173.135+/-77.023 χ^2/NDF: 152.6/96



Right In: 1292.860+/-0.287 χ^2/NDF: 2674524.7/21

Left Out: 474.294+/-0.079 χ^2/NDF:2538999.2/24

Right Out: 1404.724+/-0.293 χ^2/NDF: 2501162.0/26

Left In: 471.456+/-0.081 χ^2/NDF:2209338.4/22

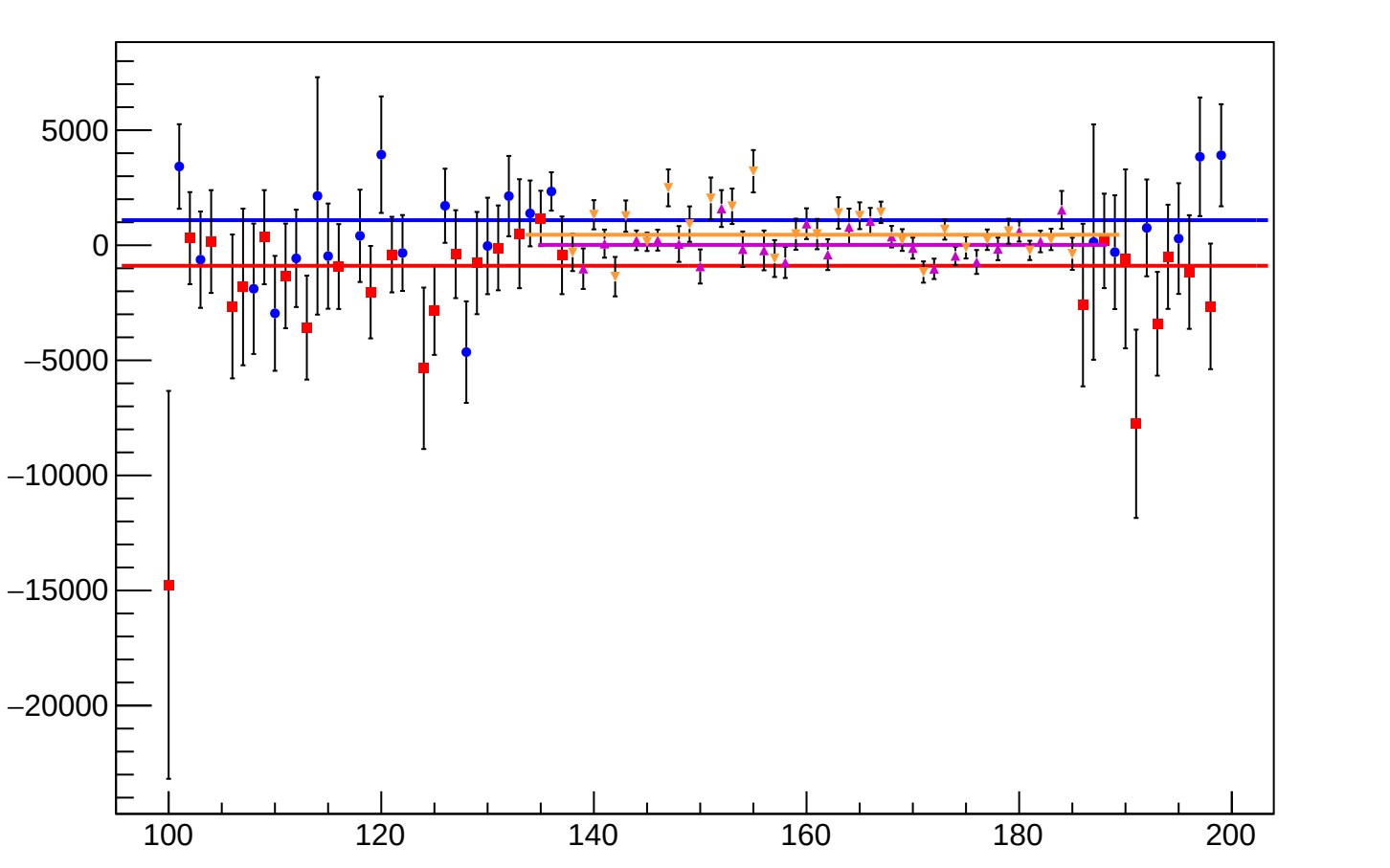
Left: 472.905+/-0.056 χ^2/NDF: 4748968.3/47

Right: 1347.720+/-0.205 χ^2/NDF: 5249942.7/48

In: 531.549+/-0.078 χ^2/NDF:12450531.5/44

Out: 537.386+/-0.076 χ^2/NDF:14437678.1/51

All: 534.522+/-0.054 χ^2/NDF: 26891079.5/96



Right In: 1089.347+/-406.274 χ^2/NDF: 22.3/21

Left Out: 457.286+/-114.351 χ^2/NDF:59.4/24

Right Out: -891.936+/-420.062 χ^2/NDF: 17.2/26

Left In: 15.089+/-116.701 χ^2/NDF:30.3/22

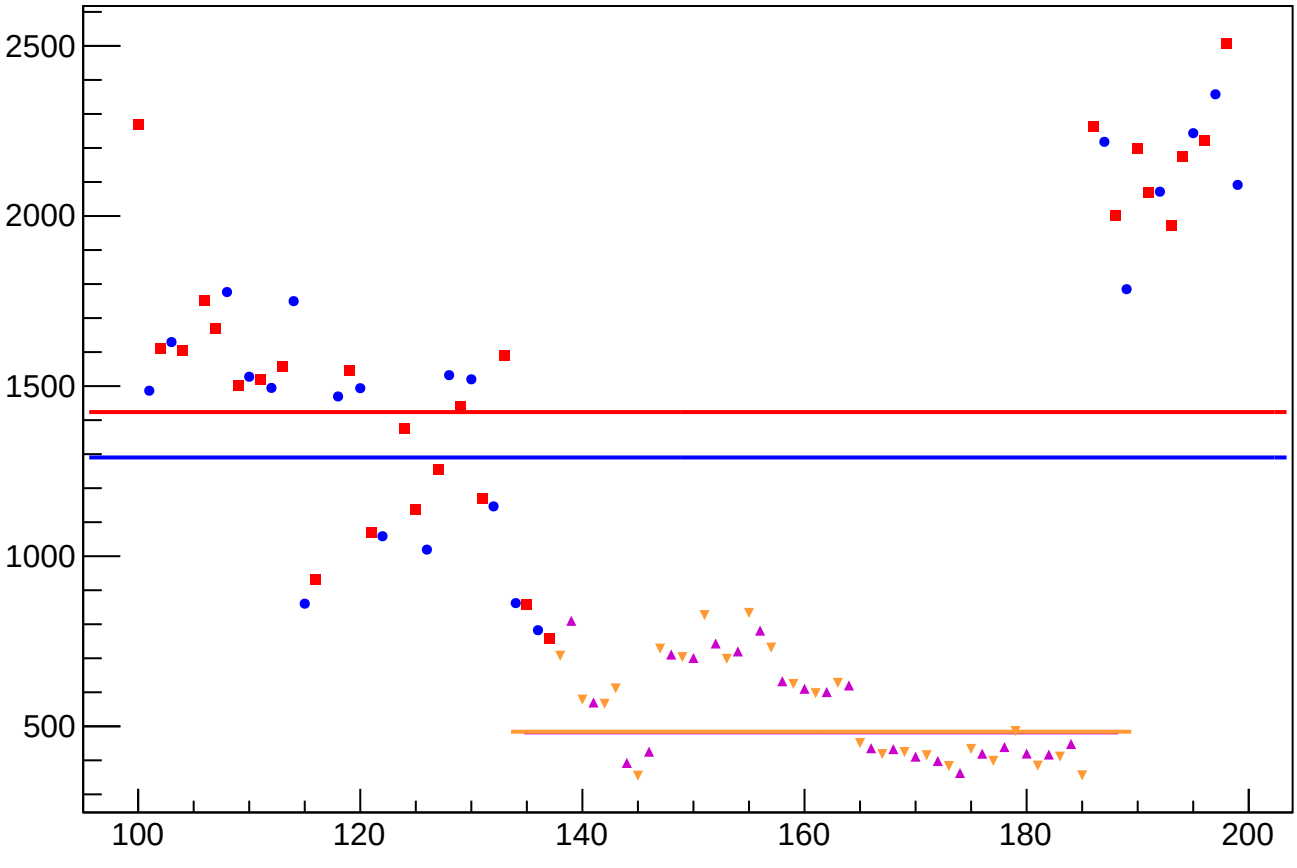
Left: 240.684+/-81.677 χ^2/NDF: 97.0/47

Right: 131.756+/-292.032 χ^2/NDF: 51.0/48

In: 96.971+/-112.165 χ^2/NDF:59.1/44

Out: 364.198+/-110.336 χ^2/NDF:86.2/51

All: 232.781+/-78.658 χ^2/NDF: 148.1/96



Right In: 1290.279+/-0.287 χ^2/NDF: 2702576.3/21

Left Out: 484.128+/-0.081 χ^2/NDF:2548479.4/24

Right Out: 1423.690+/-0.297 χ^2/NDF: 2462921.9/26

Left In: 482.160+/-0.083 χ^2/NDF:2186689.9/22

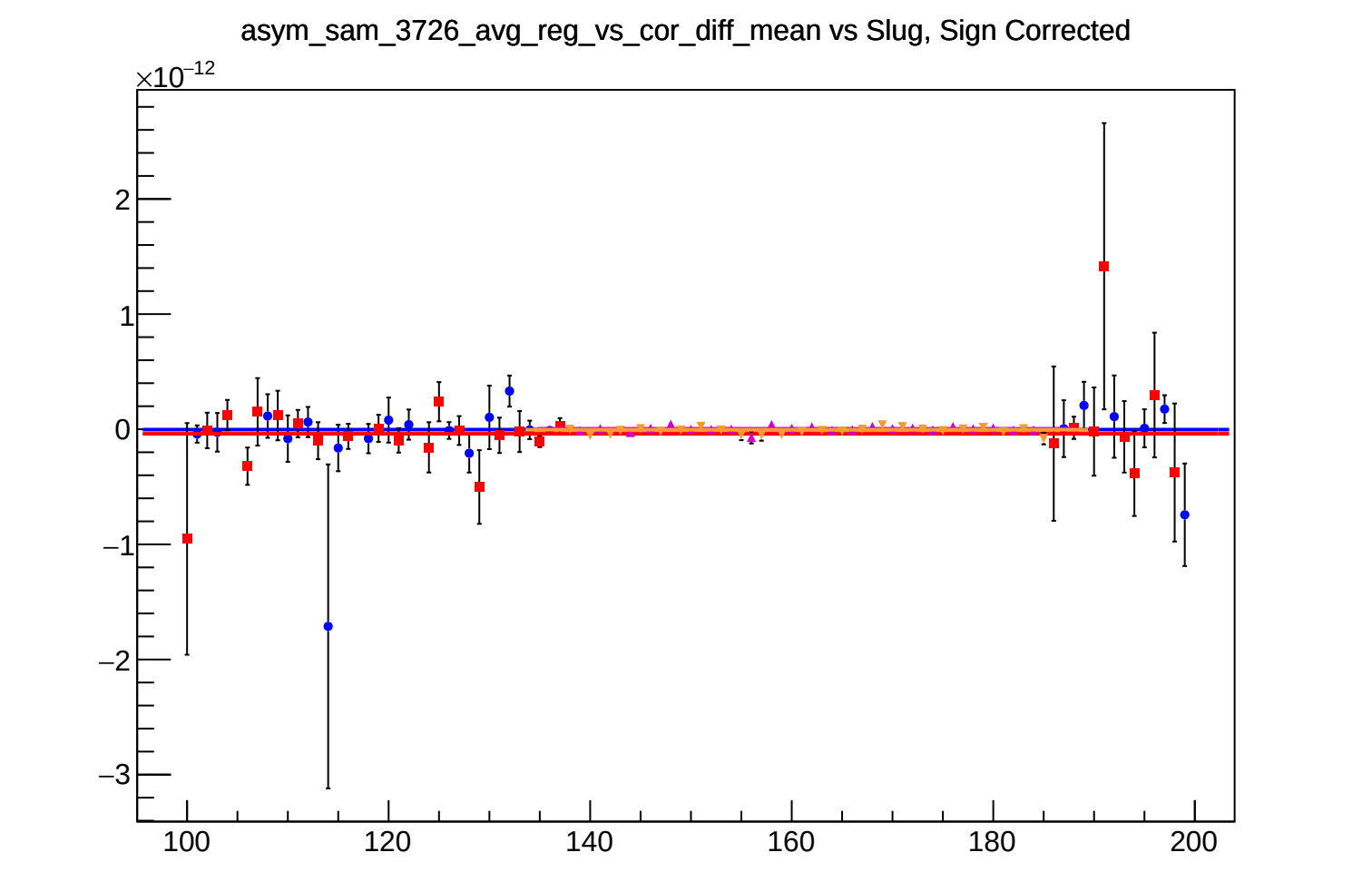
Left: 483.164+/-0.058 χ^2/NDF: 4735459.6/47

Right: 1354.759+/-0.206 χ^2/NDF: 5269731.9/48

In: 543.756+/-0.079 χ^2/NDF:12199169.9/44

Out: 548.952+/-0.078 χ^2/NDF:14326919.2/51

All: 546.397+/-0.056 χ^2/NDF: 26528270.2/96



Right In: -0.000+/-0.000 χ^2/NDF: 17.9/21

Left Out: -0.000+/-0.000 χ^2/NDF:31.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 18.8/26

Left In: 0.000+/-0.000 χ^2/NDF:15.0/22

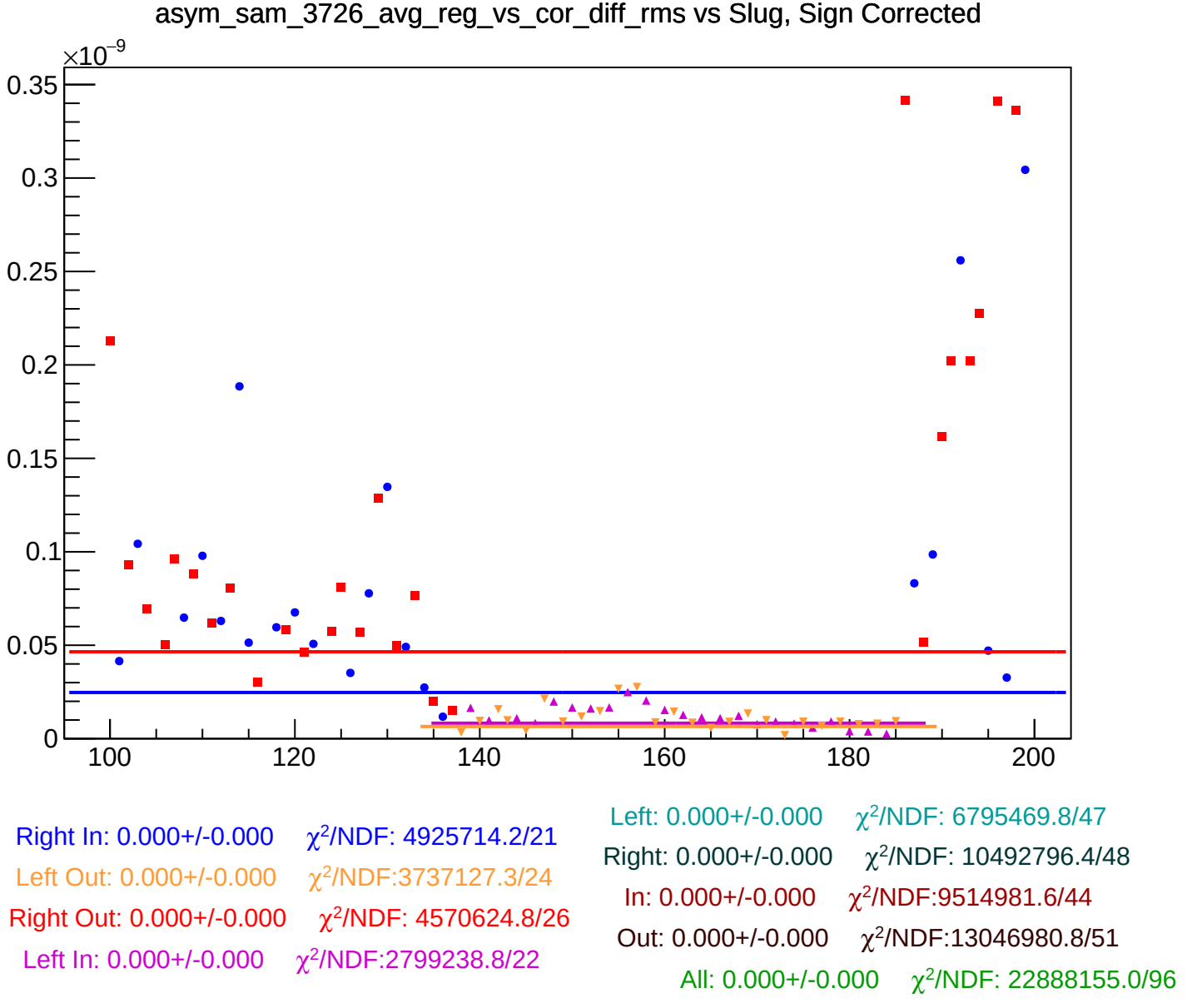
Left: -0.000+/-0.000 χ^2/NDF: 49.2/47

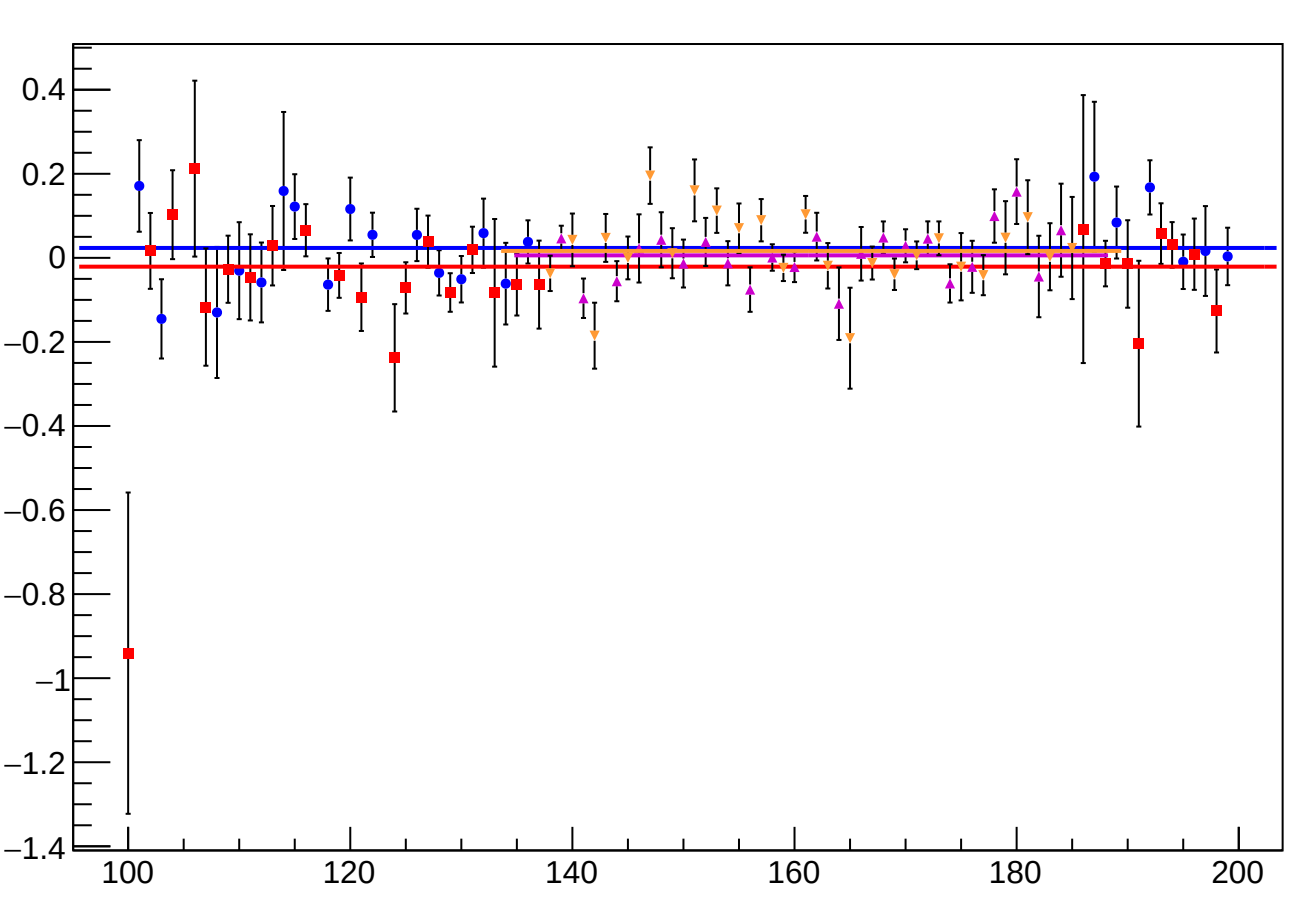
Right: -0.000+/-0.000 χ^2/NDF: 38.1/48

In: 0.000+/-0.000 χ^2/NDF:33.1/44

Out: -0.000+/-0.000 χ^2/NDF:51.7/51

All: -0.000+/-0.000 χ^2/NDF: 88.2/96


asym_sam_3726_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 4925714.2/21
Left Out: 0.000+/-0.000 χ²/NDF:3737127.3/24
Right Out: 0.000+/-0.000 χ²/NDF: 4570624.8/26
Left In: 0.000+/-0.000 χ²/NDF:2799238.8/22
Left: 0.000+/-0.000 χ²/NDF: 6795469.8/47
Right: 0.000+/-0.000 χ²/NDF: 10492796.4/48
In: 0.000+/-0.000 χ²/NDF:9514981.6/44
Out: 0.000+/-0.000 χ²/NDF:13046980.8/51
All: 0.000+/-0.000 χ²/NDF: 22888155.0/96



Right In: 0.024+/-0.016 χ^2/NDF: 24.0/21

Left Out: 0.016+/-0.010 χ^2/NDF:41.1/24

Right Out: -0.021+/-0.015 χ^2/NDF: 24.1/26

Left In: 0.006+/-0.010 χ^2/NDF:26.0/22

Left: 0.011+/-0.007 χ^2/NDF: 67.5/47

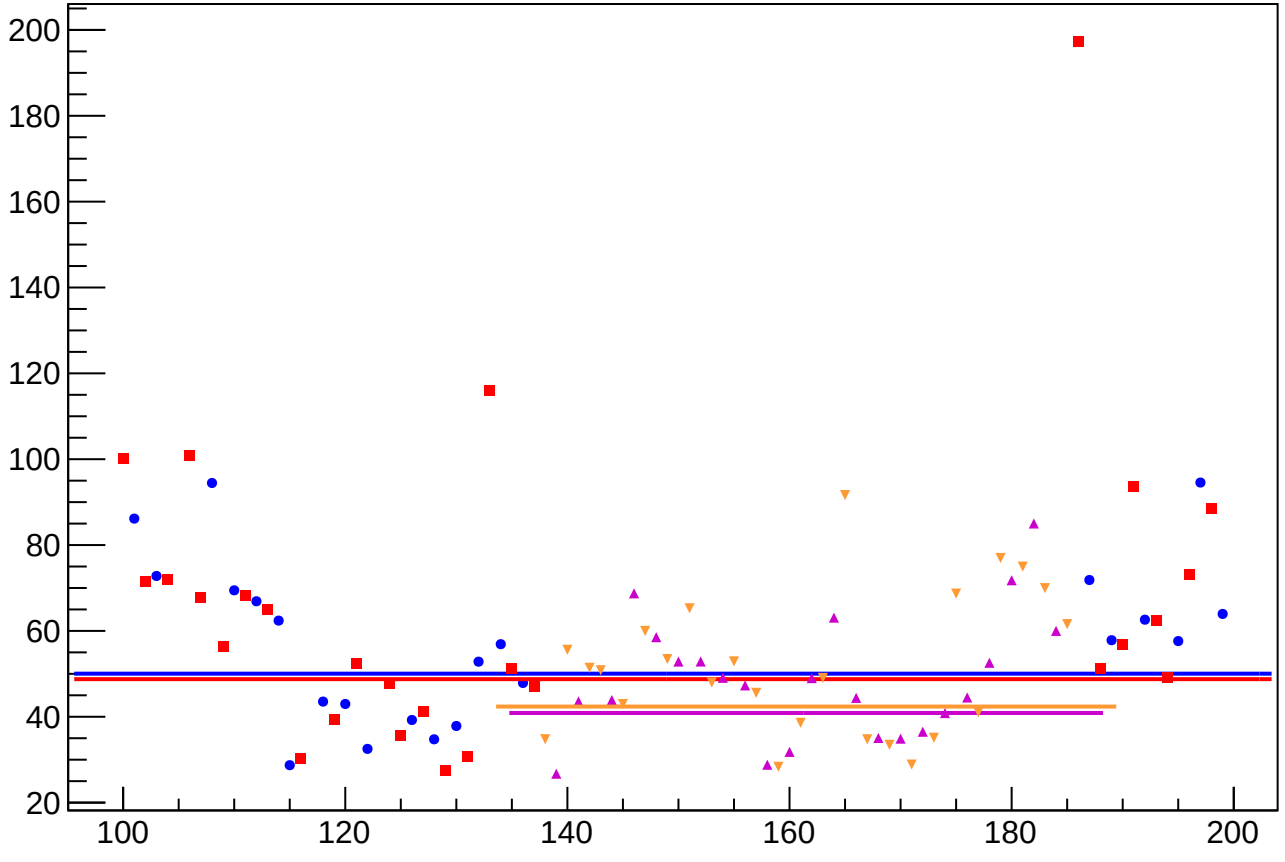
Right: 0.000+/-0.011 χ^2/NDF: 52.2/48

In: 0.011+/-0.009 χ^2/NDF:50.8/44

Out: 0.005+/-0.009 χ^2/NDF:69.3/51

All: 0.008+/-0.006 χ^2/NDF: 120.4/96

asym_sam_3726_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 50.039+/-0.011 χ^2/NDF: 1955319.3/21

Left Out: 42.375+/-0.007 χ^2/NDF:3190972.5/24

Right Out: 48.759+/-0.011 χ^2/NDF: 2992916.7/26

Left In: 40.881+/-0.007 χ^2/NDF:2678327.2/22

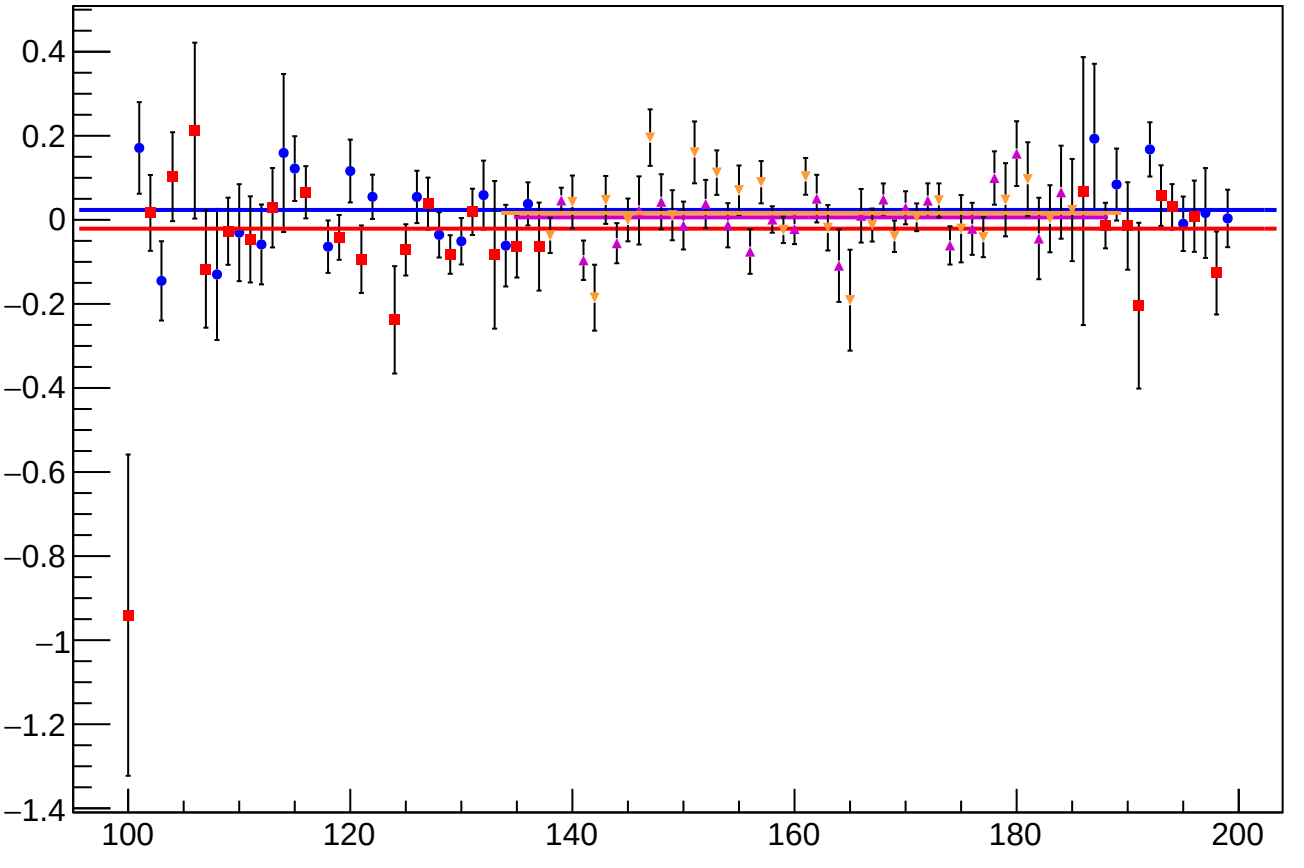
Left: 41.623+/-0.005 χ^2/NDF: 5890281.6/47

Right: 49.365+/-0.008 χ^2/NDF: 4955014.3/48

In: 43.568+/-0.006 χ^2/NDF:5099201.9/44

Out: 44.410+/-0.006 χ^2/NDF:6426583.9/51

All: 43.994+/-0.004 χ^2/NDF: 11535402.0/96



Right In: 0.024+/-0.016 χ^2/NDF: 24.0/21

Left Out: 0.016+/-0.010 χ^2/NDF:41.1/24

Right Out: -0.021+/-0.015 χ^2/NDF: 24.1/26

Left In: 0.006+/-0.010 χ^2/NDF:26.0/22

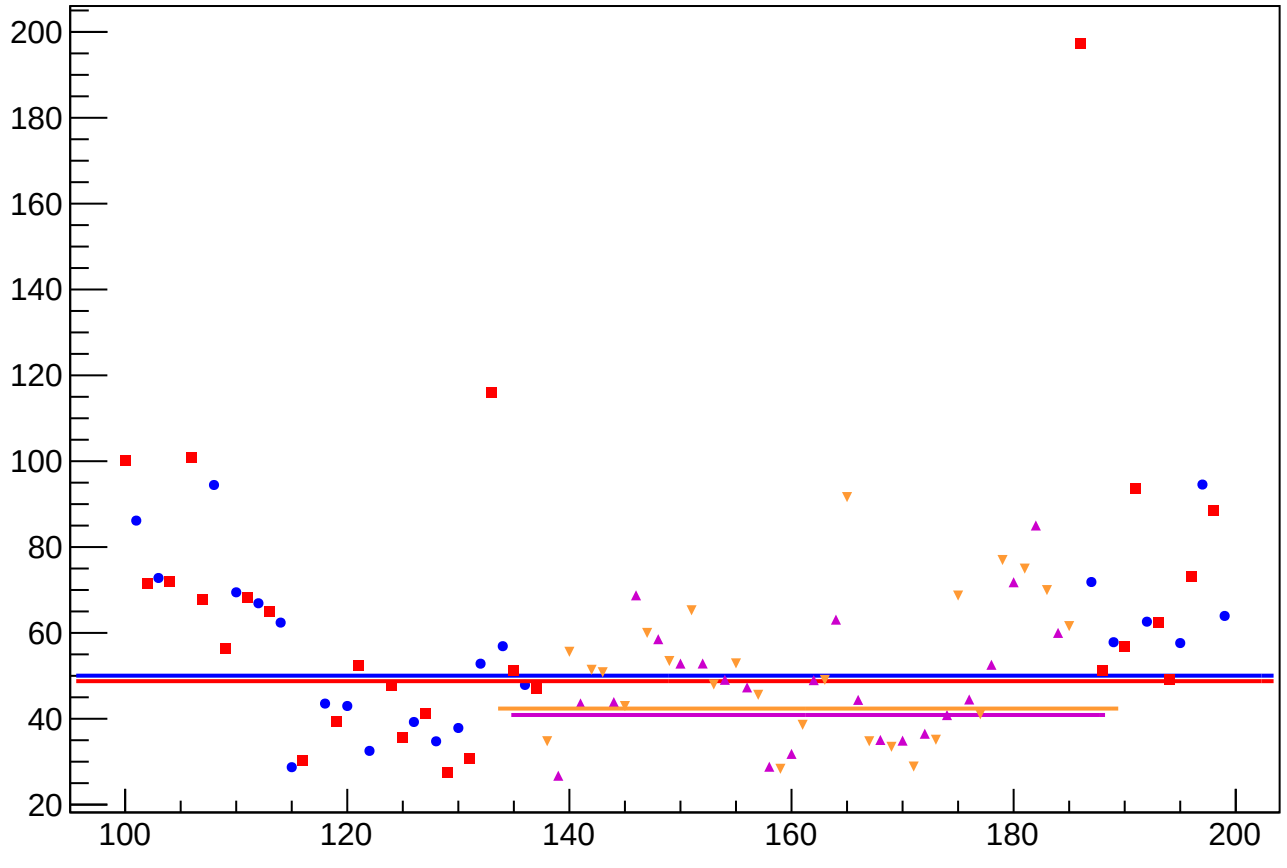
Left: 0.011+/-0.007 χ^2/NDF: 67.5/47

Right: 0.000+/-0.011 χ^2/NDF: 52.2/48

In: 0.011+/-0.009 χ^2/NDF:50.8/44

Out: 0.005+/-0.009 χ^2/NDF:69.3/51

All: 0.008+/-0.006 χ^2/NDF: 120.4/96



Right In: 50.039+/-0.011 χ^2/NDF: 1955319.3/21

Left Out: 42.375+/-0.007 χ^2/NDF:3190972.5/24

Right Out: 48.759+/-0.011 χ^2/NDF: 2992916.7/26

Left In: 40.881+/-0.007 χ^2/NDF:2678327.2/22

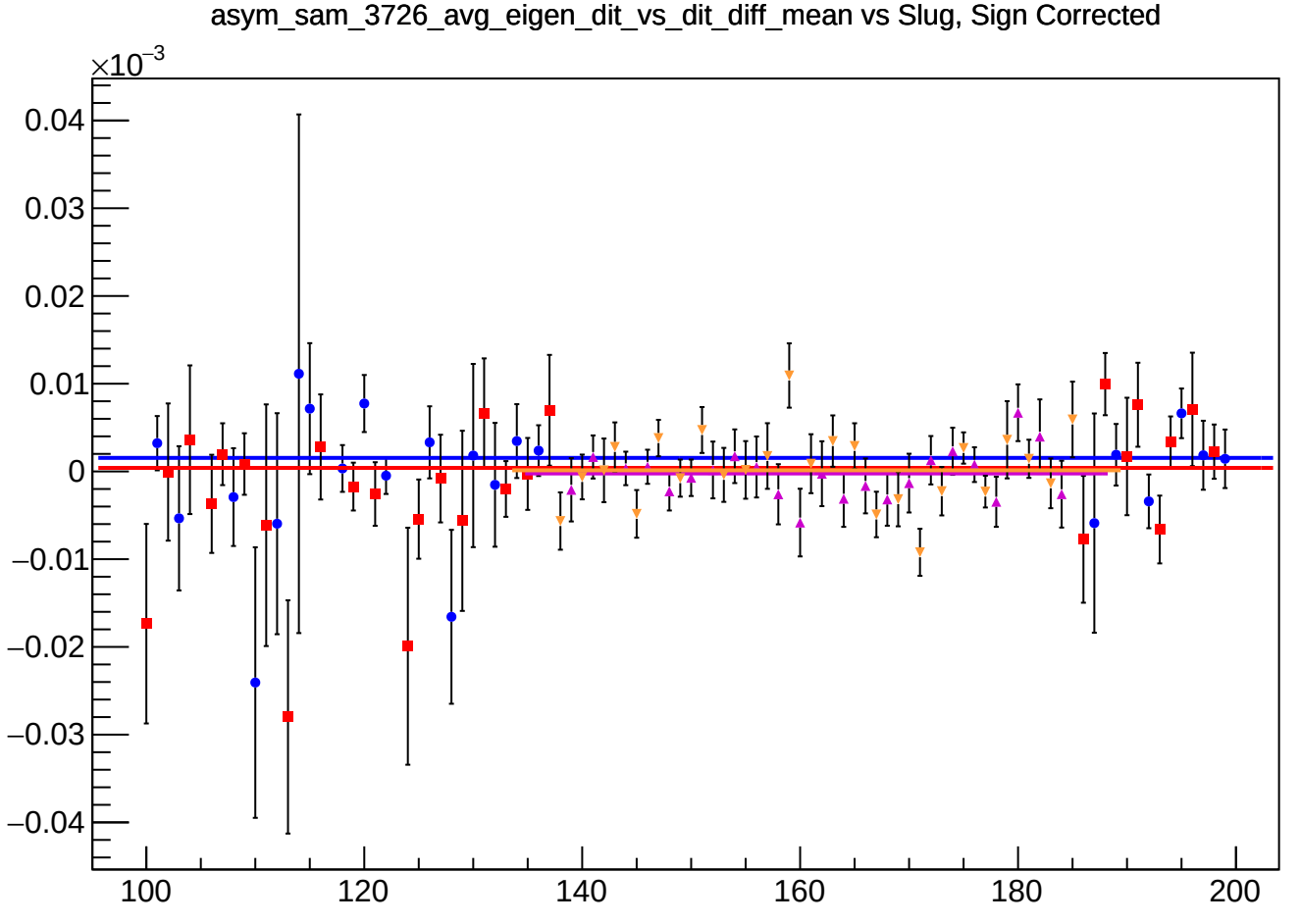
Left: 41.623+/-0.005 χ^2/NDF: 5890281.6/47

Right: 49.365+/-0.008 χ^2/NDF: 4955014.3/48

In: 43.568+/-0.006 χ^2/NDF:5099201.9/44

Out: 44.410+/-0.006 χ^2/NDF:6426583.9/51

All: 43.994+/-0.004 χ^2/NDF: 11535402.0/96



Right In: 0.000+/-0.000 χ^2/NDF: 20.4/21

Left Out: 0.000+/-0.000 χ^2/NDF:49.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 33.1/26

Left In: -0.000+/-0.000 χ^2/NDF:15.8/22

Left: -0.000+/-0.000 χ^2/NDF: 66.0/47

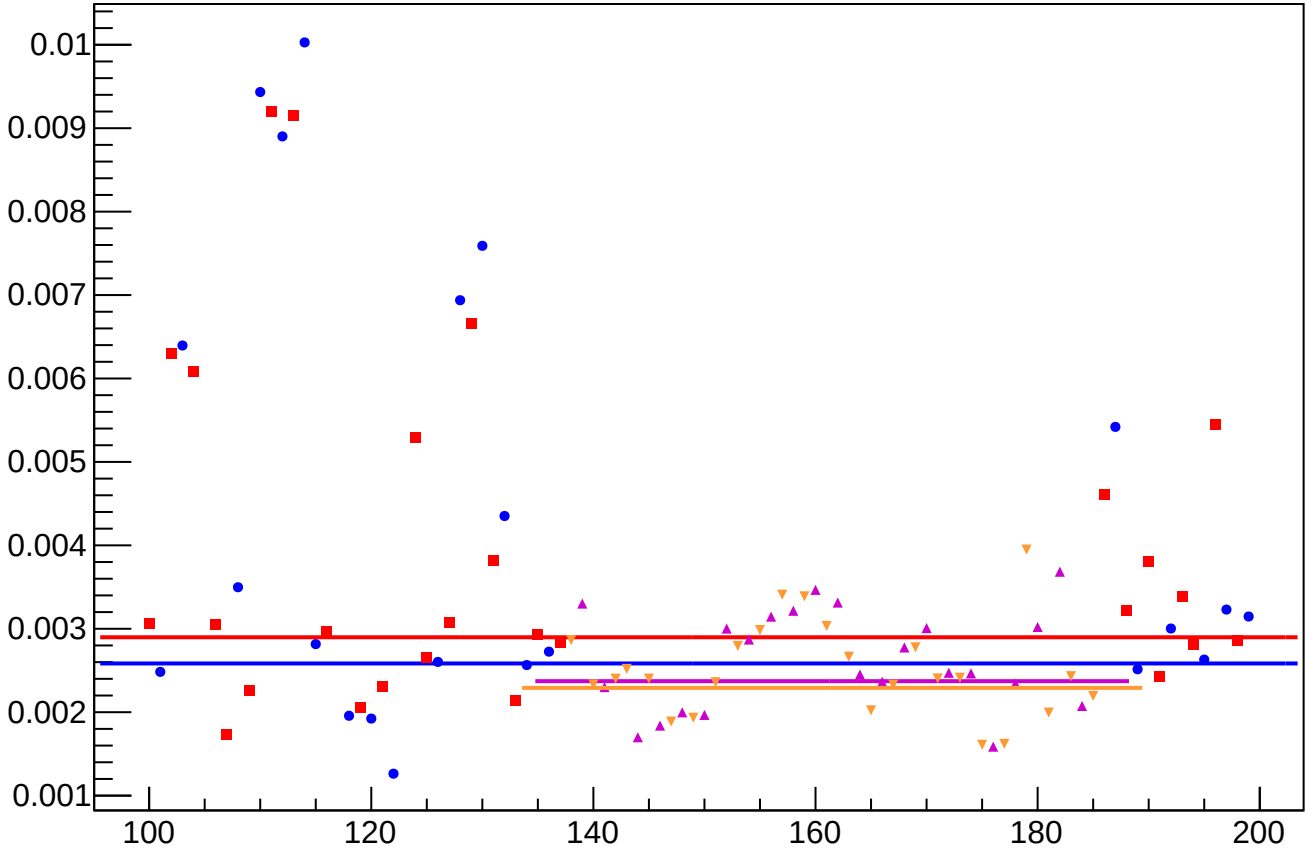
Right: 0.000+/-0.000 χ^2/NDF: 54.4/48

In: 0.000+/-0.000 χ^2/NDF:39.2/44

Out: 0.000+/-0.000 χ^2/NDF:83.1/51

All: 0.000+/-0.000 χ^2/NDF: 122.4/96

asym_sam_3726_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 3737160.2/21

Left Out: 0.002+/-0.000 χ^2/NDF:1818891.6/24

Right Out: 0.003+/-0.000 χ^2/NDF: 3082042.5/26

Left In: 0.002+/-0.000 χ^2/NDF:2020314.6/22

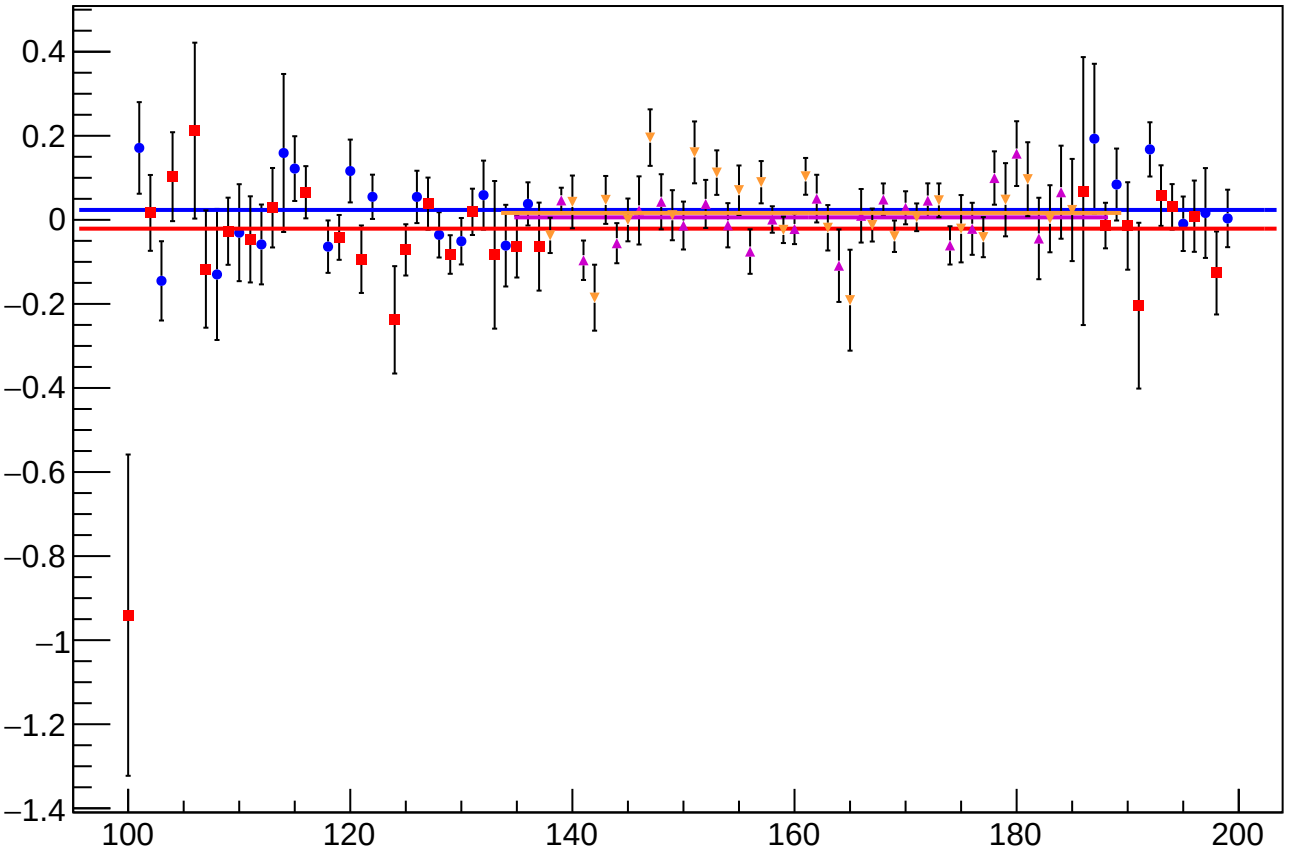
Left: 0.002+/-0.000 χ^2/NDF: 3859926.5/47

Right: 0.003+/-0.000 χ^2/NDF: 6950396.9/48

In: 0.002+/-0.000 χ^2/NDF:5843290.9/44

Out: 0.002+/-0.000 χ^2/NDF:5585666.8/51

All: 0.002+/-0.000 χ^2/NDF: 11429990.5/96



Right In: 0.024+/-0.016 χ^2/NDF: 24.0/21

Left Out: 0.016+/-0.010 χ^2/NDF:41.1/24

Right Out: -0.021+/-0.015 χ^2/NDF: 24.1/26

Left In: 0.006+/-0.010 χ^2/NDF:26.0/22

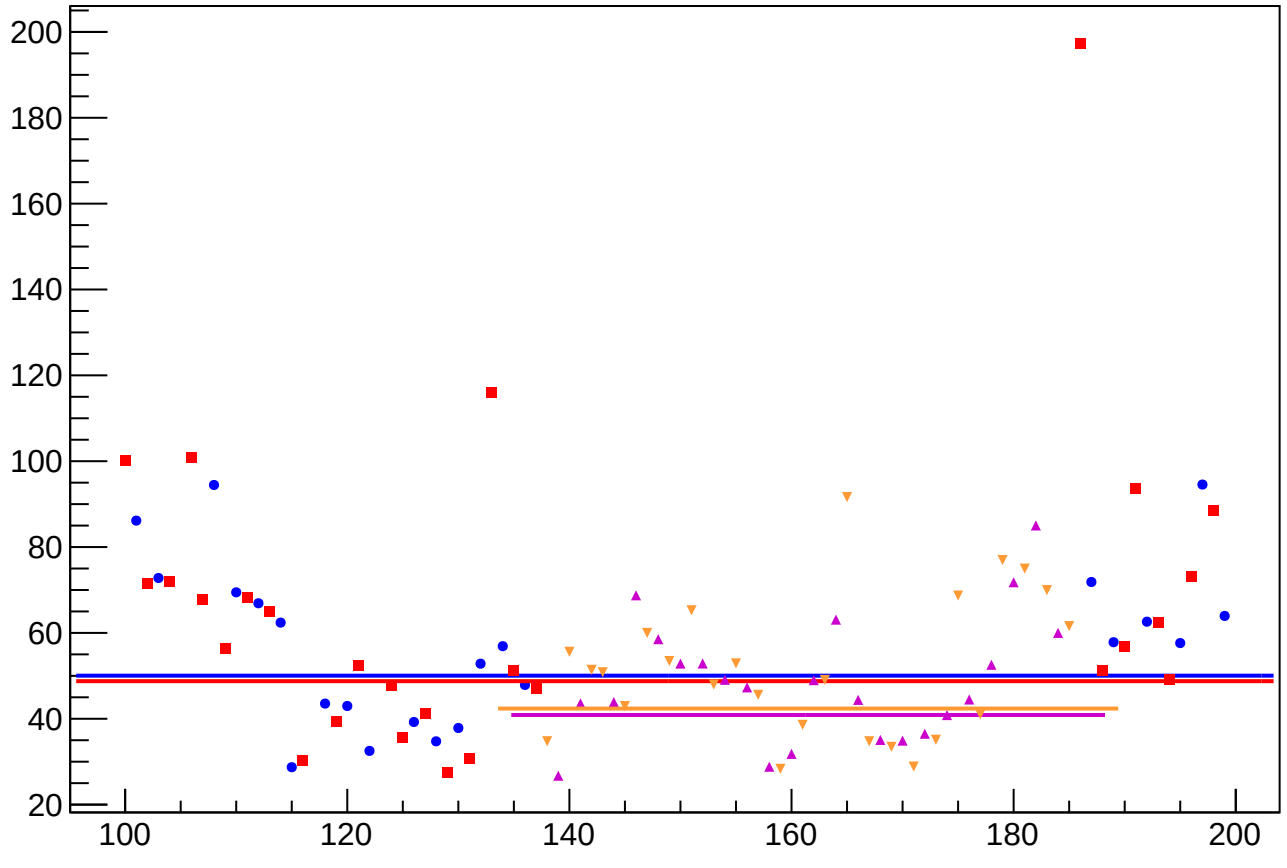
Left: 0.011+/-0.007 χ^2/NDF: 67.5/47

Right: 0.000+/-0.011 χ^2/NDF: 52.2/48

In: 0.011+/-0.009 χ^2/NDF:50.8/44

Out: 0.005+/-0.009 χ^2/NDF:69.3/51

All: 0.008+/-0.006 χ^2/NDF: 120.4/96



Right In: 50.039+/-0.011 χ^2/NDF: 1955266.6/21

Left Out: 42.375+/-0.007 χ^2/NDF:3190999.9/24

Right Out: 48.759+/-0.011 χ^2/NDF: 2992797.6/26

Left In: 40.881+/-0.007 χ^2/NDF:2678344.3/22

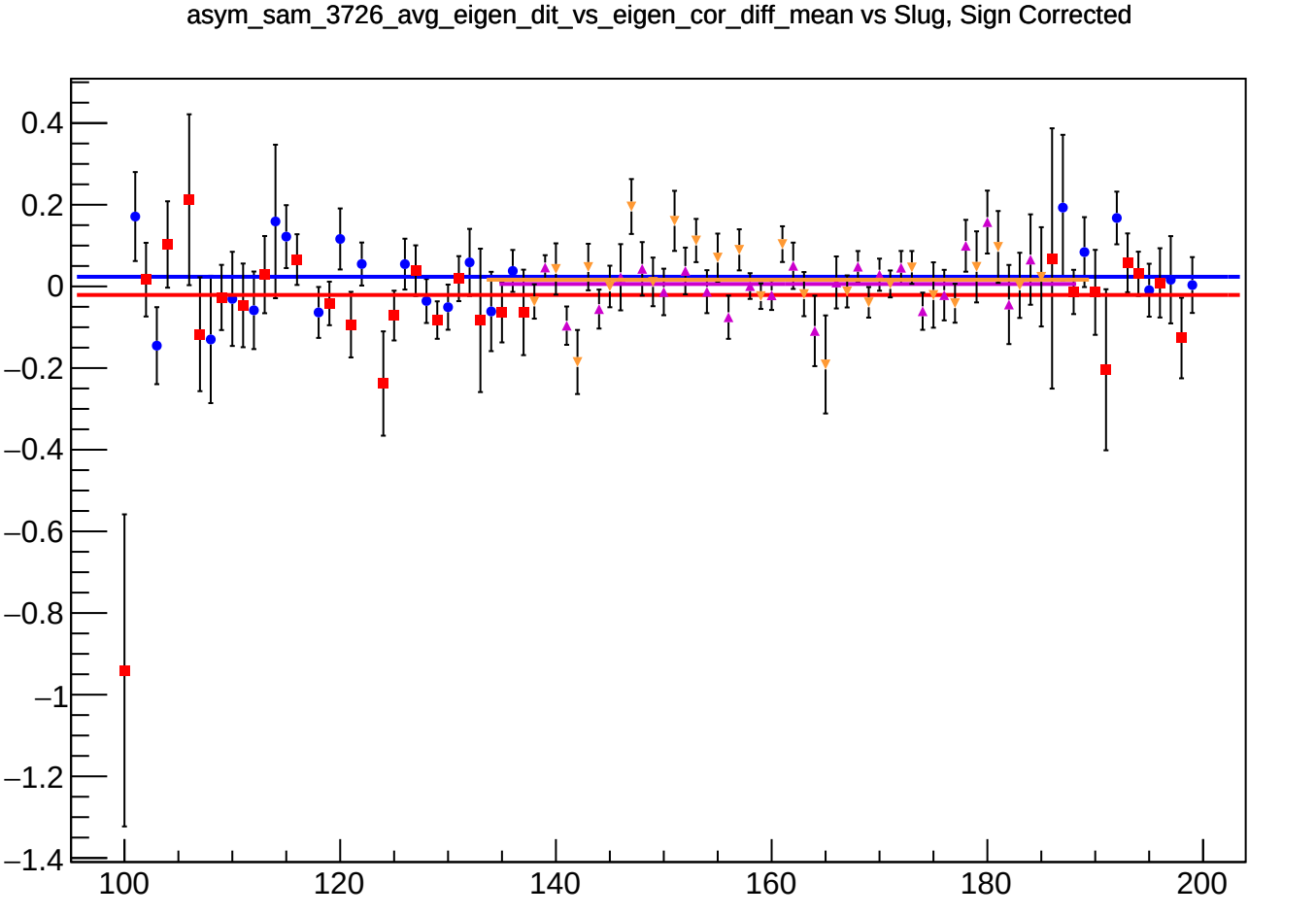
Left: 41.623+/-0.005 χ^2/NDF: 5890324.4/47

Right: 49.365+/-0.008 χ^2/NDF: 4954839.2/48

In: 43.568+/-0.006 χ^2/NDF:5099128.2/44

Out: 44.410+/-0.006 χ^2/NDF:6426488.7/51

All: 43.994+/-0.004 χ^2/NDF: 11535233.5/96



Right In: 0.024+/-0.016 χ^2/NDF: 24.0/21

Left Out: 0.016+/-0.010 χ^2/NDF:41.1/24

Right Out: -0.021+/-0.015 χ^2/NDF: 24.1/26

Left In: 0.006+/-0.010 χ^2/NDF:26.0/22

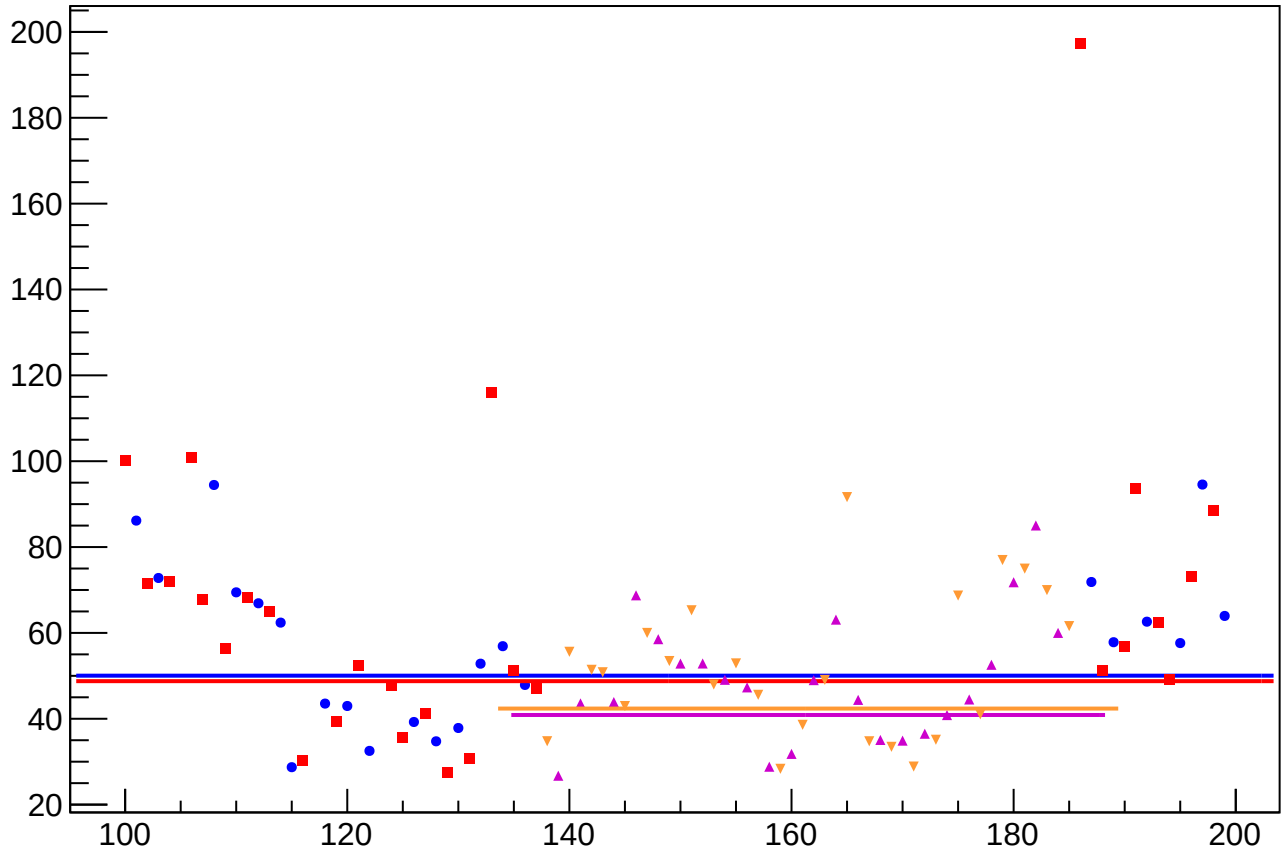
Left: 0.011+/-0.007 χ^2/NDF: 67.5/47

Right: 0.000+/-0.011 χ^2/NDF: 52.2/48

In: 0.011+/-0.009 χ^2/NDF:50.8/44

Out: 0.005+/-0.009 χ^2/NDF:69.3/51

All: 0.008+/-0.006 χ^2/NDF: 120.4/96



Right In: 50.039+/-0.011 χ^2/NDF: 1955266.6/21

Left Out: 42.375+/-0.007 χ^2/NDF:3190999.9/24

Right Out: 48.759+/-0.011 χ^2/NDF: 2992797.6/26

Left In: 40.881+/-0.007 χ^2/NDF:2678344.3/22

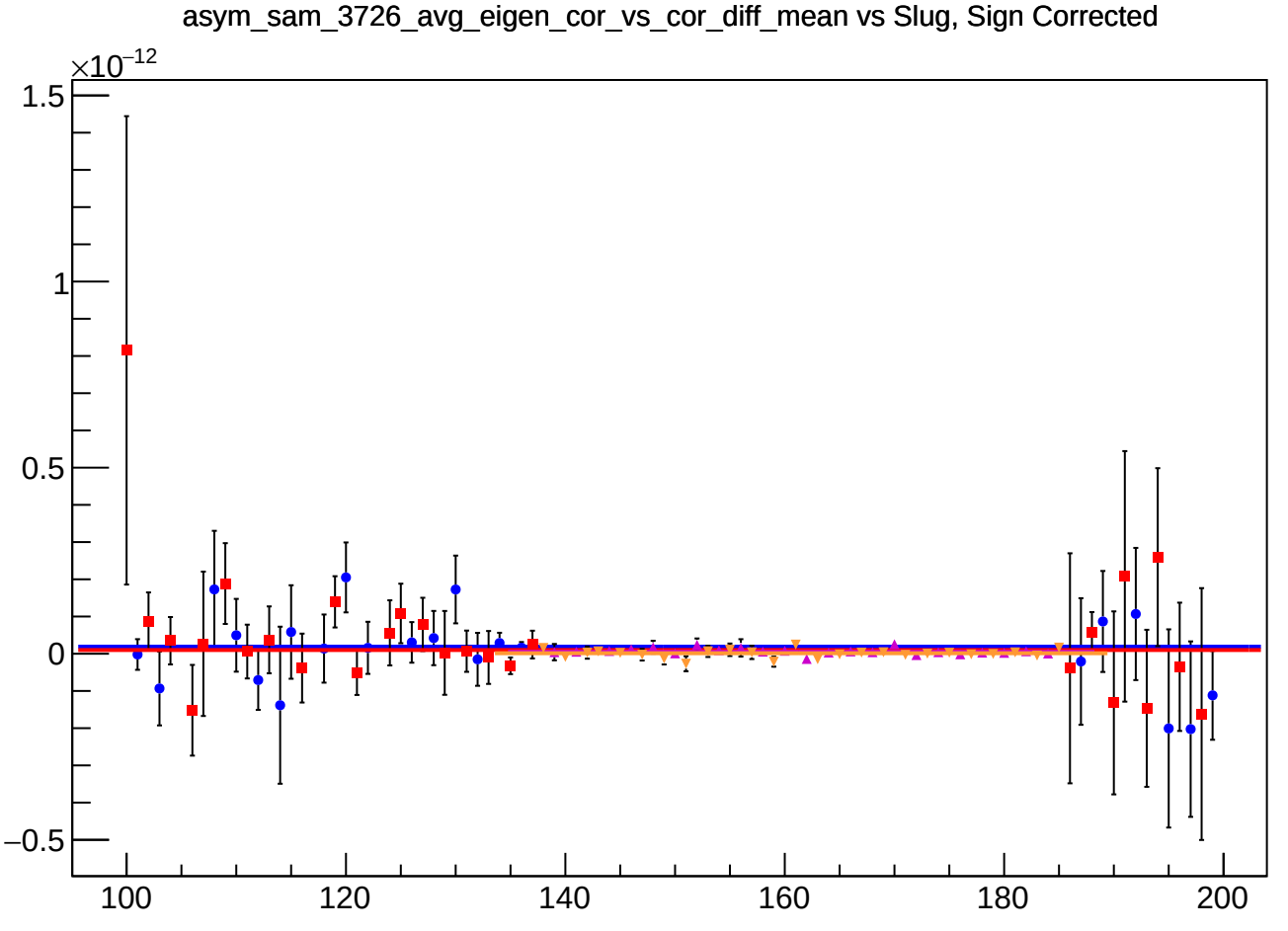
Left: 41.623+/-0.005 χ^2/NDF: 5890324.4/47

Right: 49.365+/-0.008 χ^2/NDF: 4954839.2/48

In: 43.568+/-0.006 χ^2/NDF:5099128.2/44

Out: 44.410+/-0.006 χ^2/NDF:6426488.7/51

All: 43.994+/-0.004 χ^2/NDF: 11535233.5/96



Right In: 0.000+/-0.000 χ^2/NDF: 15.1/21

Left Out: 0.000+/-0.000 χ^2/NDF:19.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 22.2/26

Left In: 0.000+/-0.000 χ^2/NDF:13.2/22

Left: 0.000+/-0.000 χ^2/NDF: 35.1/47

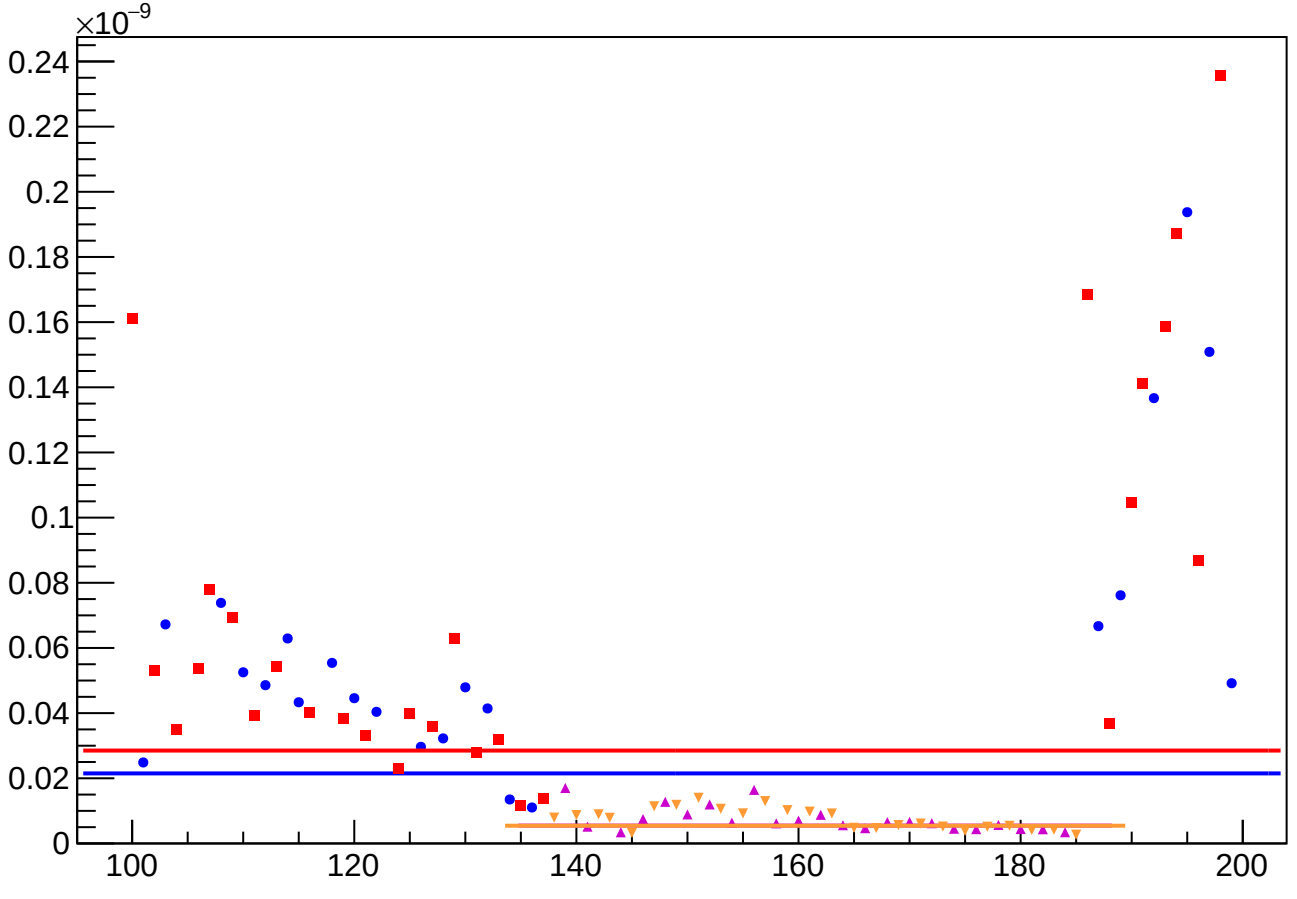
Right: 0.000+/-0.000 χ^2/NDF: 37.6/48

In: 0.000+/-0.000 χ^2/NDF:29.8/44

Out: 0.000+/-0.000 χ^2/NDF:42.3/51

All: 0.000+/-0.000 χ^2/NDF: 74.7/96

asym_sam_3726_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 6150448.8/21

Left Out: 0.000+/-0.000 χ^2/NDF:3789045.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6293418.1/26

Left In: 0.000+/-0.000 χ^2/NDF:2801443.3/22

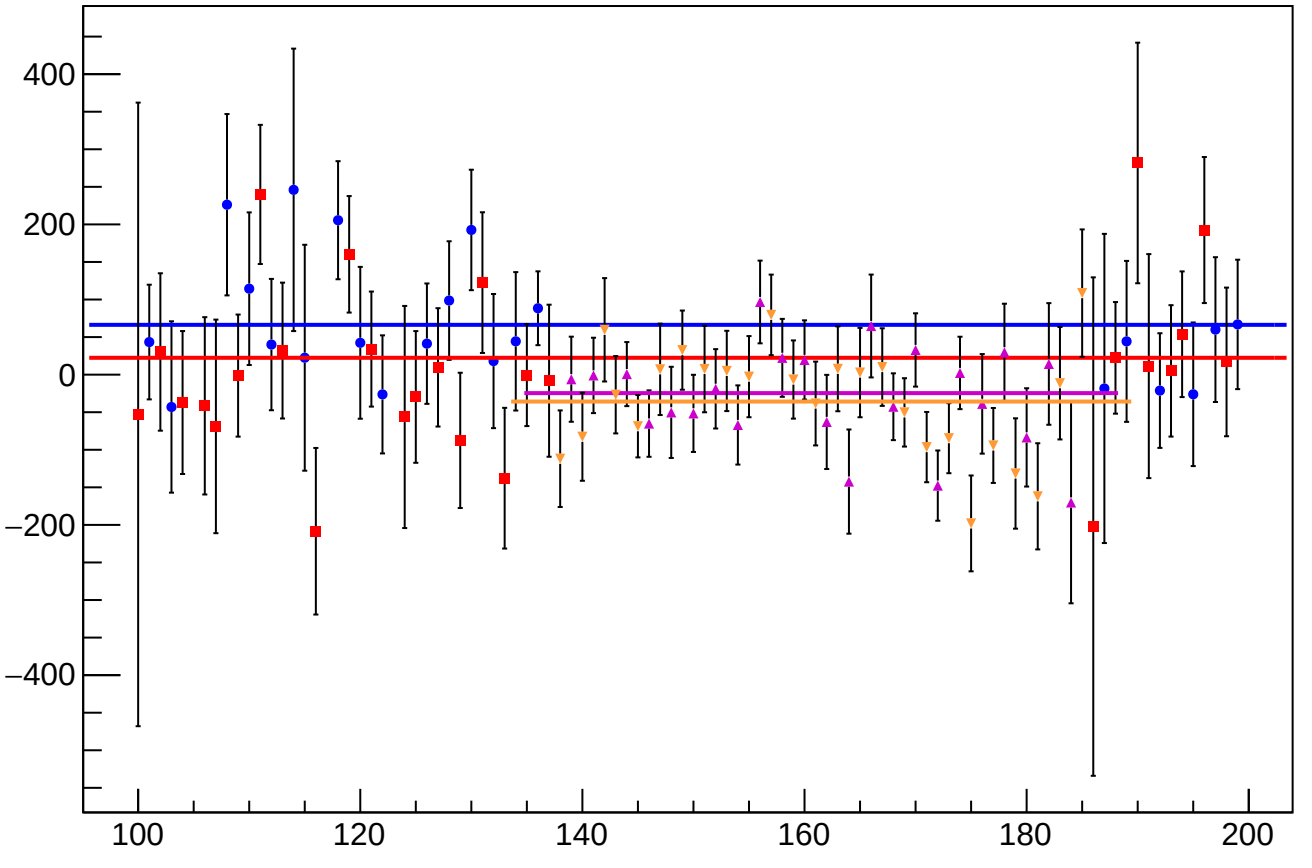
Left: 0.000+/-0.000 χ^2/NDF: 6590870.1/47

Right: 0.000+/-0.000 χ^2/NDF: 12777539.5/48

In: 0.000+/-0.000 χ^2/NDF:13064823.6/44

Out: 0.000+/-0.000 χ^2/NDF:16121251.9/51

All: 0.000+/-0.000 χ^2/NDF: 29186968.0/96



Right In: 66.308+/-18.888 χ^2/NDF: 14.4/21

Left Out: -35.787+/-11.119 χ^2/NDF:33.7/24

Right Out: 22.439+/-18.583 χ^2/NDF: 27.0/26

Left In: -24.572+/-11.471 χ^2/NDF:25.7/22

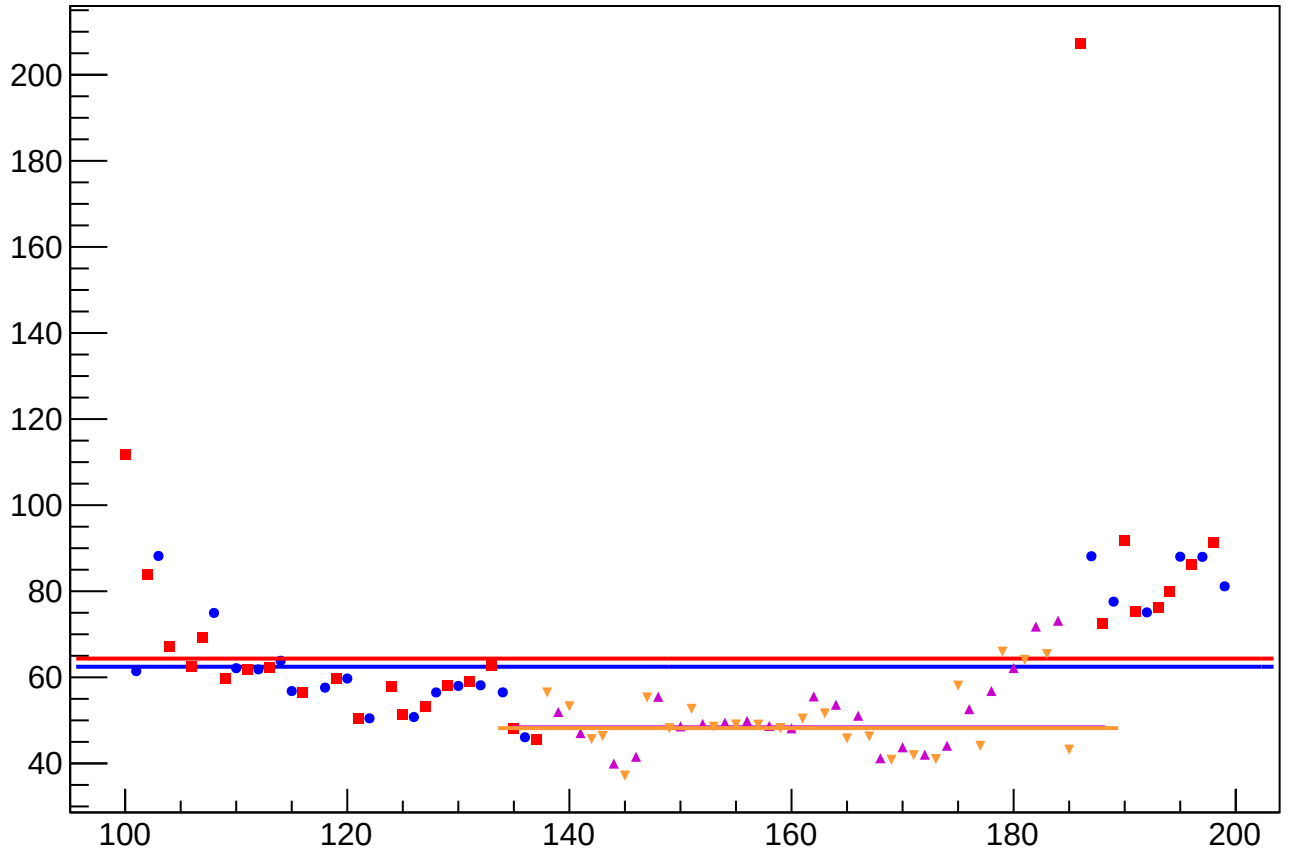
Left: -30.354+/-7.984 χ^2/NDF: 59.9/47

Right: 44.016+/-13.247 χ^2/NDF: 44.2/48

In: -0.085+/-9.805 χ^2/NDF:57.1/44

Out: -20.436+/-9.542 χ^2/NDF:67.9/51

All: -10.537+/-6.838 χ^2/NDF: 127.2/96



Right In: 62.461+/-0.013 χ^2/NDF: 981263.5/21

Left Out: 48.198+/-0.008 χ^2/NDF:780285.2/24

Right Out: 64.356+/-0.013 χ^2/NDF: 1299383.2/26

Left In: 48.381+/-0.008 χ^2/NDF:695381.8/22

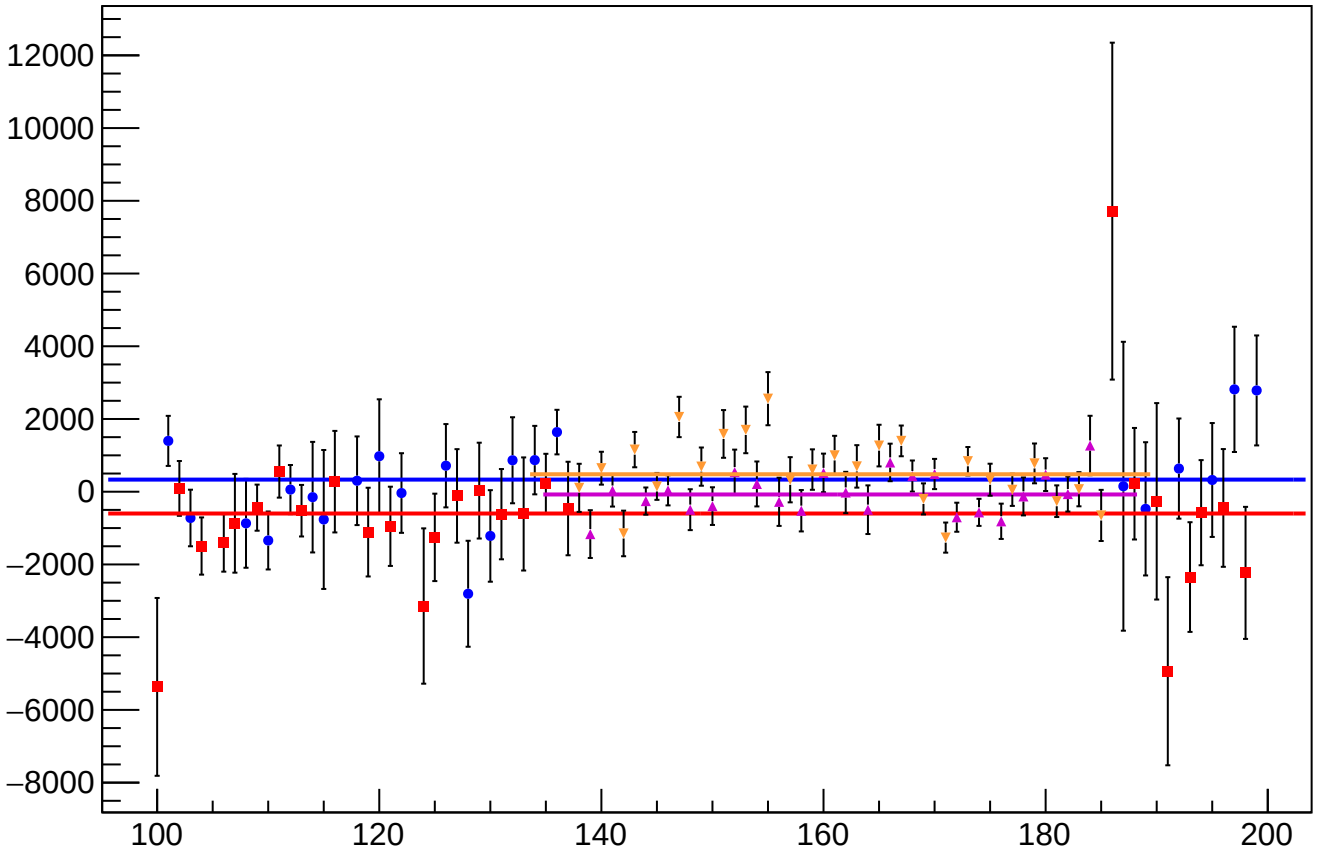
Left: 48.287+/-0.006 χ^2/NDF: 1475927.4/47

Right: 63.424+/-0.009 χ^2/NDF: 2290873.4/48

In: 52.174+/-0.007 χ^2/NDF:2488591.5/44

Out: 52.458+/-0.007 χ^2/NDF:3193037.9/51

All: 52.320+/-0.005 χ^2/NDF: 5682489.6/96



Right In: 333.044+/-227.885 χ^2/NDF: 26.8/21

Left Out: 480.215+/-100.526 χ^2/NDF:69.2/24

Right Out: -599.527+/-214.539 χ^2/NDF: 21.9/26

Left In: -75.662+/-103.128 χ^2/NDF:24.5/22

Left: 209.379+/-71.985 χ^2/NDF: 108.6/47

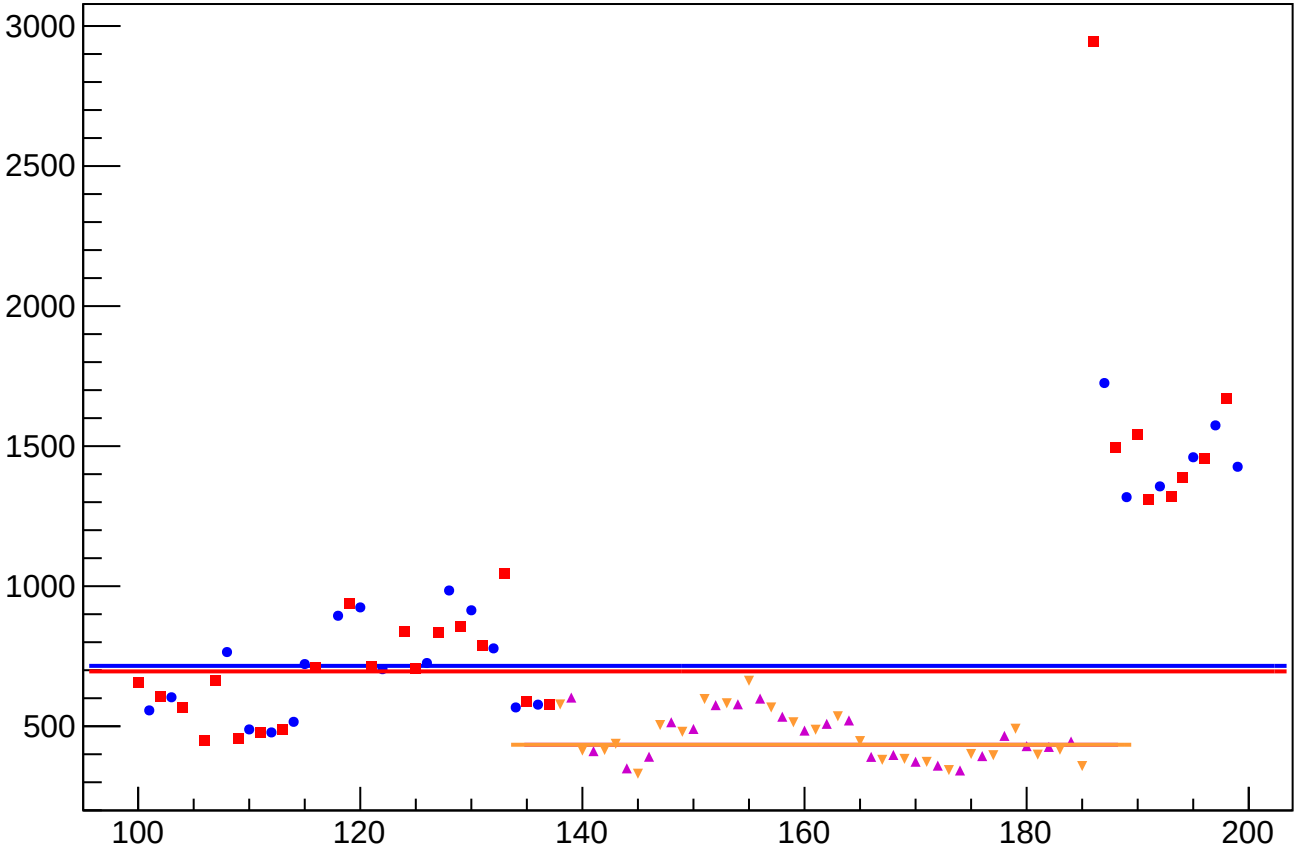
Right: -161.346+/-156.207 χ^2/NDF: 57.6/48

In: -6.188+/-93.955 χ^2/NDF:53.9/44

Out: 285.832+/-91.028 χ^2/NDF:111.9/51

All: 144.441+/-65.377 χ^2/NDF: 170.8/96

asym_sam_15_48_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 715.533+/-0.161 χ^2/NDF: 3119502.2/21

Left Out: 433.945+/-0.071 χ^2/NDF:1243704.6/24

Right Out: 695.785+/-0.152 χ^2/NDF: 4366586.7/26

Left In: 433.722+/-0.073 χ^2/NDF:1094788.8/22

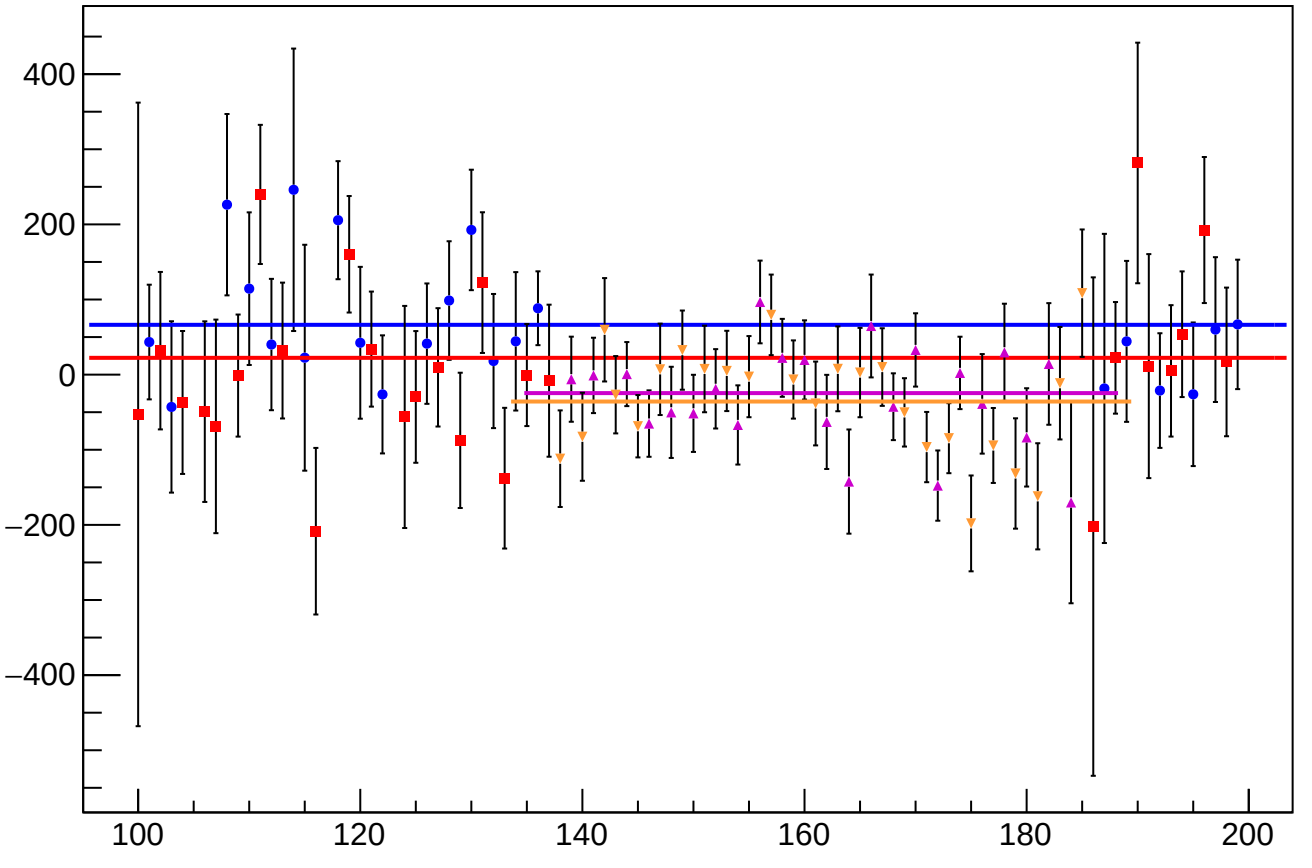
Left: 433.836+/-0.051 χ^2/NDF: 2338498.1/47

Right: 705.064+/-0.110 χ^2/NDF: 7494051.3/48

In: 481.625+/-0.066 χ^2/NDF:6752935.6/44

Out: 481.083+/-0.064 χ^2/NDF:8053079.5/51

All: 481.346+/-0.046 χ^2/NDF: 14806049.4/96



Right In: 66.311+/-18.889 χ^2/NDF: 14.4/21

Left Out: -35.792+/-11.119 χ^2/NDF:33.7/24

Right Out: 22.368+/-18.592 χ^2/NDF: 27.1/26

Left In: -24.573+/-11.471 χ^2/NDF:25.7/22

Left: -30.357+/-7.984 χ^2/NDF: 59.9/47

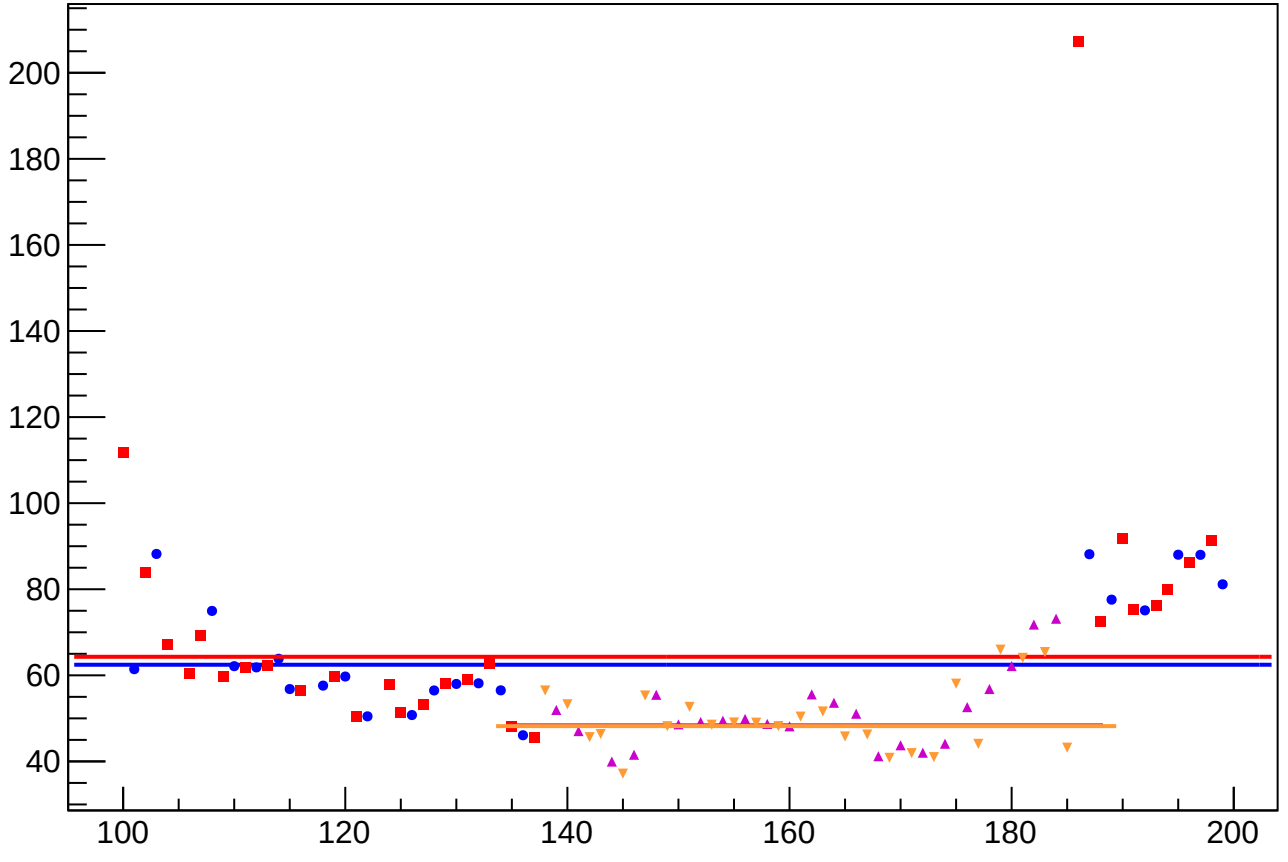
Right: 43.992+/-13.250 χ^2/NDF: 44.3/48

In: -0.085+/-9.805 χ^2/NDF:57.1/44

Out: -20.469+/-9.543 χ^2/NDF:68.0/51

All: -10.553+/-6.838 χ^2/NDF: 127.3/96

cor_asym_sam_15_48_dd_rms vs Slug, Sign Corrected



Right In: 62.461+/-0.013 χ^2/NDF: 981266.9/21

Left Out: 48.198+/-0.008 χ^2/NDF:780285.2/24

Right Out: 64.309+/-0.013 χ^2/NDF: 1301197.6/26

Left In: 48.381+/-0.008 χ^2/NDF:695381.8/22

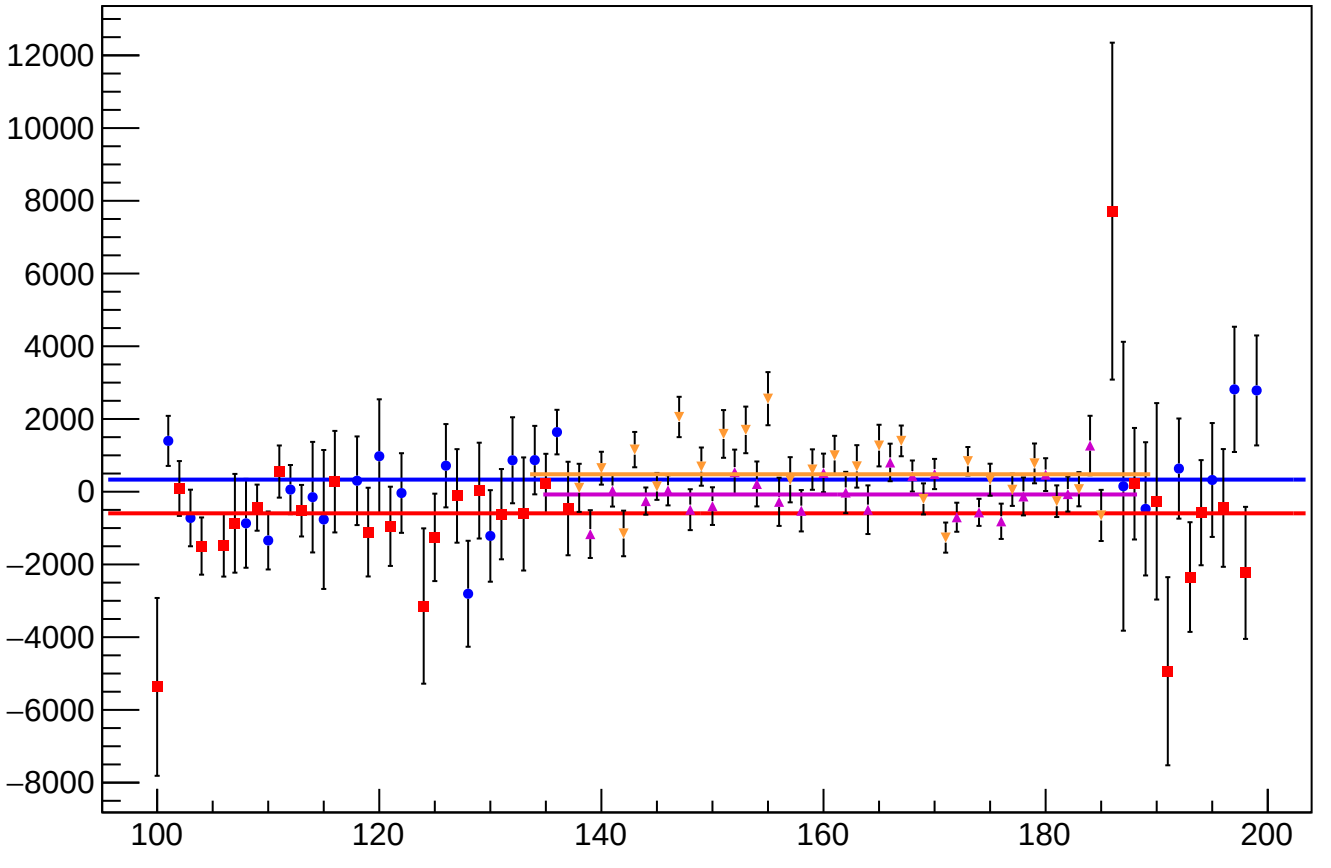
Left: 48.287+/-0.006 χ^2/NDF: 1475927.4/47

Right: 63.400+/-0.009 χ^2/NDF: 2292190.9/48

In: 52.174+/-0.007 χ^2/NDF:2488595.4/44

Out: 52.443+/-0.007 χ^2/NDF:3187695.8/51

All: 52.312+/-0.005 χ^2/NDF: 5677061.9/96



Right In: 333.080+/-227.886 χ^2/NDF: 26.8/21

Left Out: 480.210+/-100.526 χ^2/NDF:69.2/24

Right Out: -594.256+/-215.810 χ^2/NDF: 21.9/26

Left In: -75.665+/-103.128 χ^2/NDF:24.5/22

Left: 209.376+/-71.985 χ^2/NDF: 108.6/47

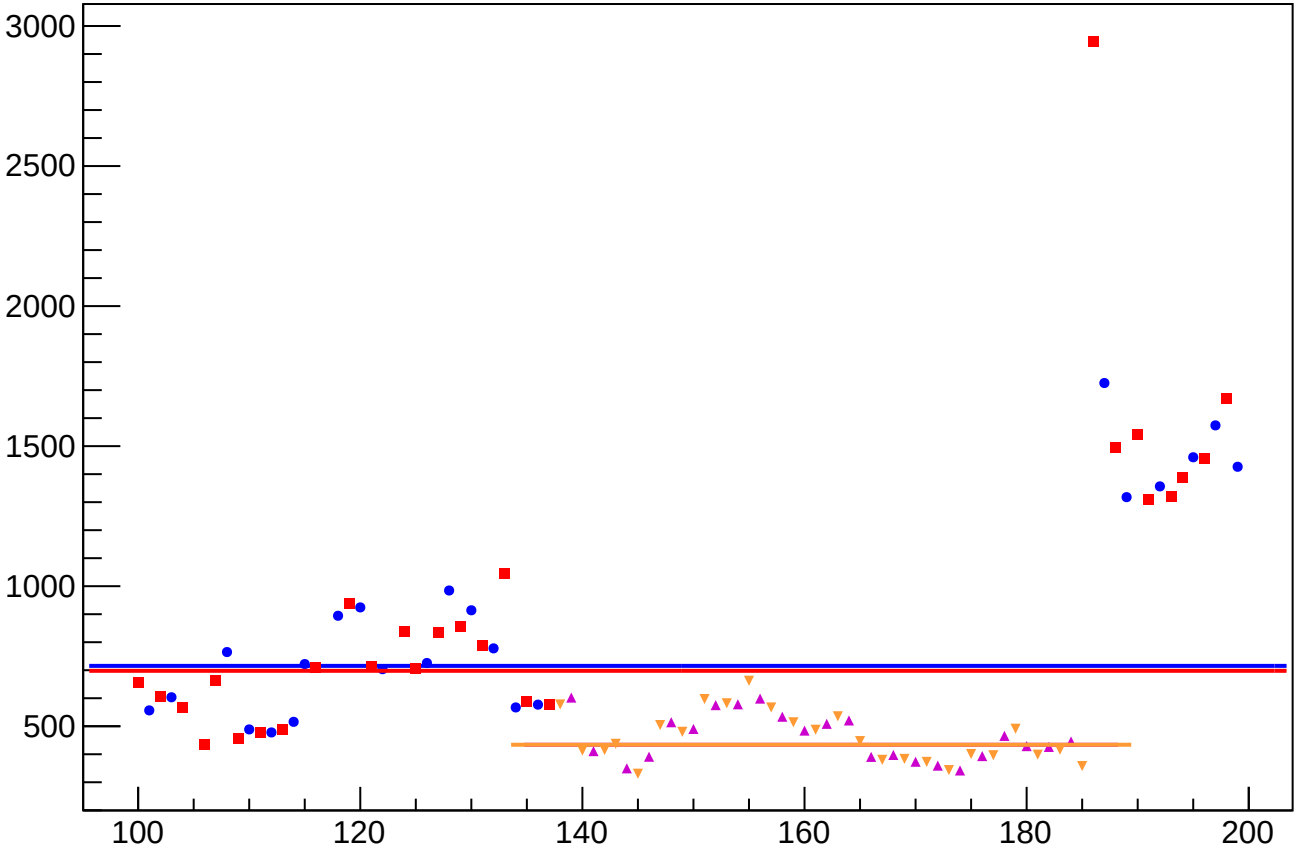
Right: -155.809+/-156.696 χ^2/NDF: 57.4/48

In: -6.185+/-93.955 χ^2/NDF:53.9/44

Out: 288.643+/-91.125 χ^2/NDF:111.5/51

All: 145.737+/-65.413 χ^2/NDF: 170.5/96

asym_sam_15_48_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 715.538+/-0.161 χ^2/NDF: 3119461.4/21

Left Out: 433.945+/-0.071 χ^2/NDF:1243702.1/24

Right Out: 697.919+/-0.153 χ^2/NDF: 4353041.2/26

Left In: 433.722+/-0.073 χ^2/NDF:1094788.4/22

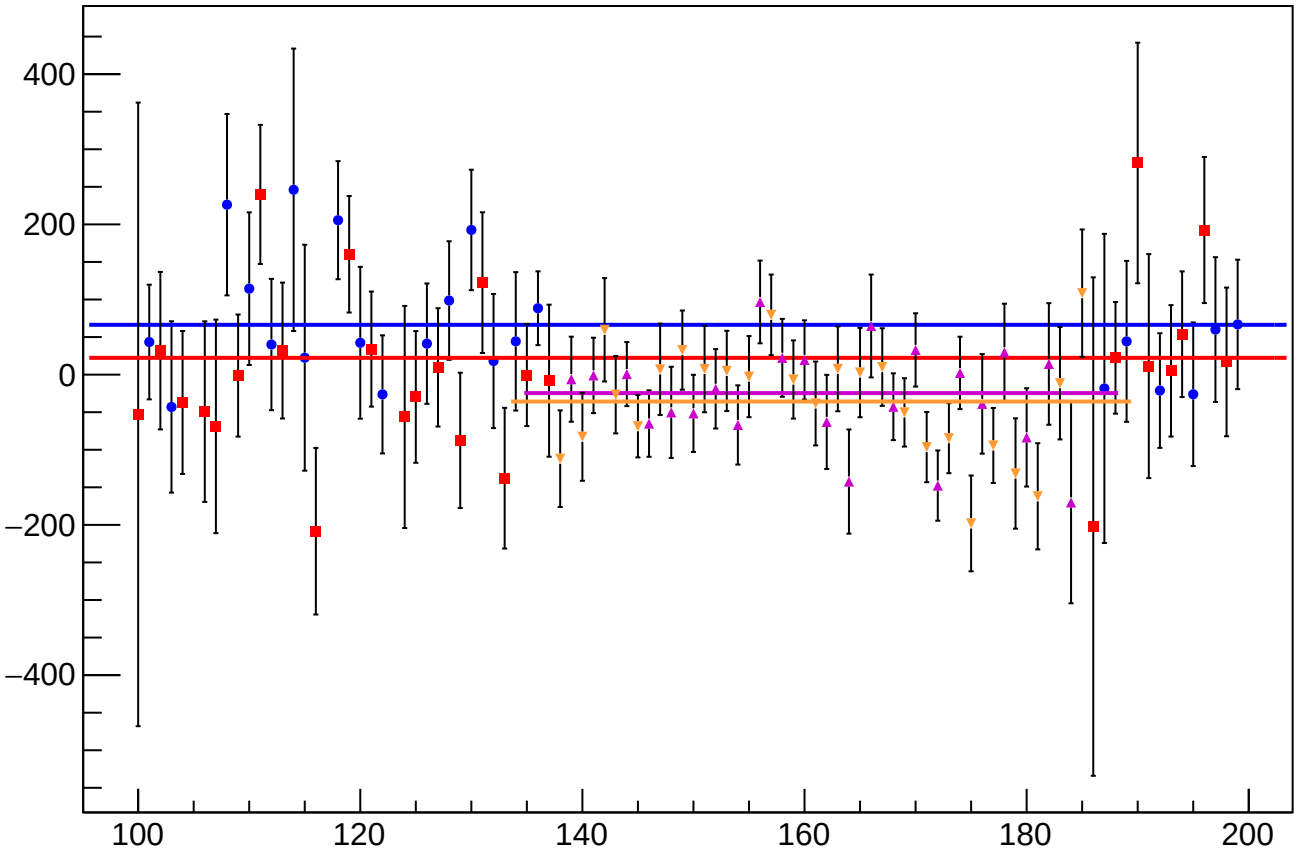
Left: 433.836+/-0.051 χ^2/NDF: 2338495.3/47

Right: 706.249+/-0.111 χ^2/NDF: 7478805.6/48

In: 481.626+/-0.066 χ^2/NDF:6752961.1/44

Out: 481.009+/-0.064 χ^2/NDF:8055566.2/51

All: 481.308+/-0.046 χ^2/NDF: 14808571.7/96



Right In: 66.311+/-18.889 χ^2/NDF: 14.4/21

Left Out: -35.792+/-11.119 χ^2/NDF:33.7/24

Right Out: 22.368+/-18.592 χ^2/NDF: 27.1/26

Left In: -24.573+/-11.471 χ^2/NDF:25.7/22

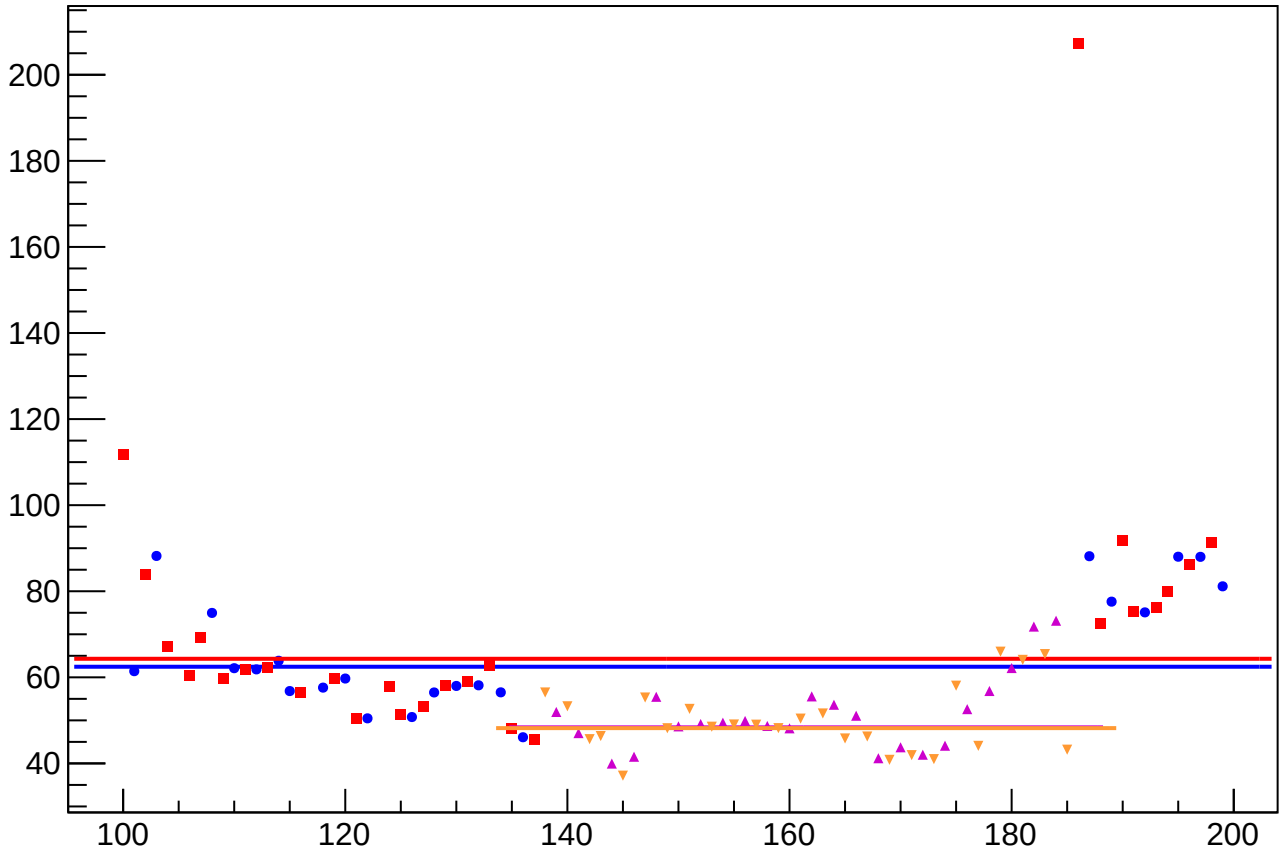
Left: -30.357+/-7.984 χ^2/NDF: 59.9/47

Right: 43.992+/-13.250 χ^2/NDF: 44.3/48

In: -0.085+/-9.805 χ^2/NDF:57.1/44

Out: -20.469+/-9.543 χ^2/NDF:68.0/51

All: -10.553+/-6.838 χ^2/NDF: 127.3/96



Right In: 62.461+/-0.013 χ^2/NDF: 981266.9/21

Left Out: 48.198+/-0.008 χ^2/NDF:780285.2/24

Right Out: 64.309+/-0.013 χ^2/NDF: 1301197.6/26

Left In: 48.381+/-0.008 χ^2/NDF:695381.8/22

Left: 48.287+/-0.006 χ^2/NDF: 1475927.4/47

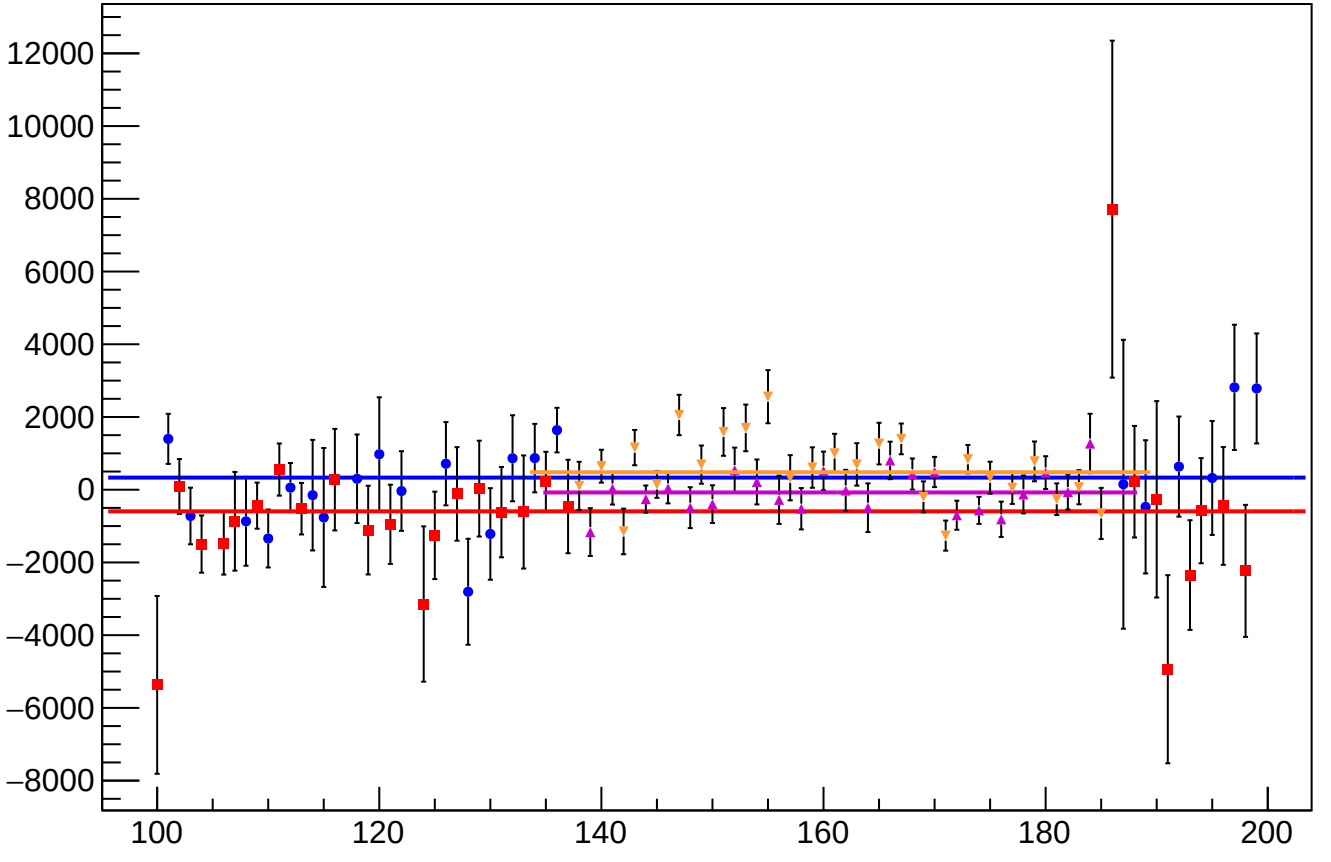
Right: 63.400+/-0.009 χ^2/NDF: 2292190.9/48

In: 52.174+/-0.007 χ^2/NDF:2488595.4/44

Out: 52.443+/-0.007 χ^2/NDF:3187695.8/51

All: 52.312+/-0.005 χ^2/NDF: 5677061.9/96

asym_sam_15_48_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 333.080+/-227.886 χ^2/NDF: 26.8/21

Left Out: 480.210+/-100.526 χ^2/NDF:69.2/24

Right Out: -594.256+/-215.810 χ^2/NDF: 21.9/26

Left In: -75.665+/-103.128 χ^2/NDF:24.5/22

Left: 209.376+/-71.985 χ^2/NDF: 108.6/47

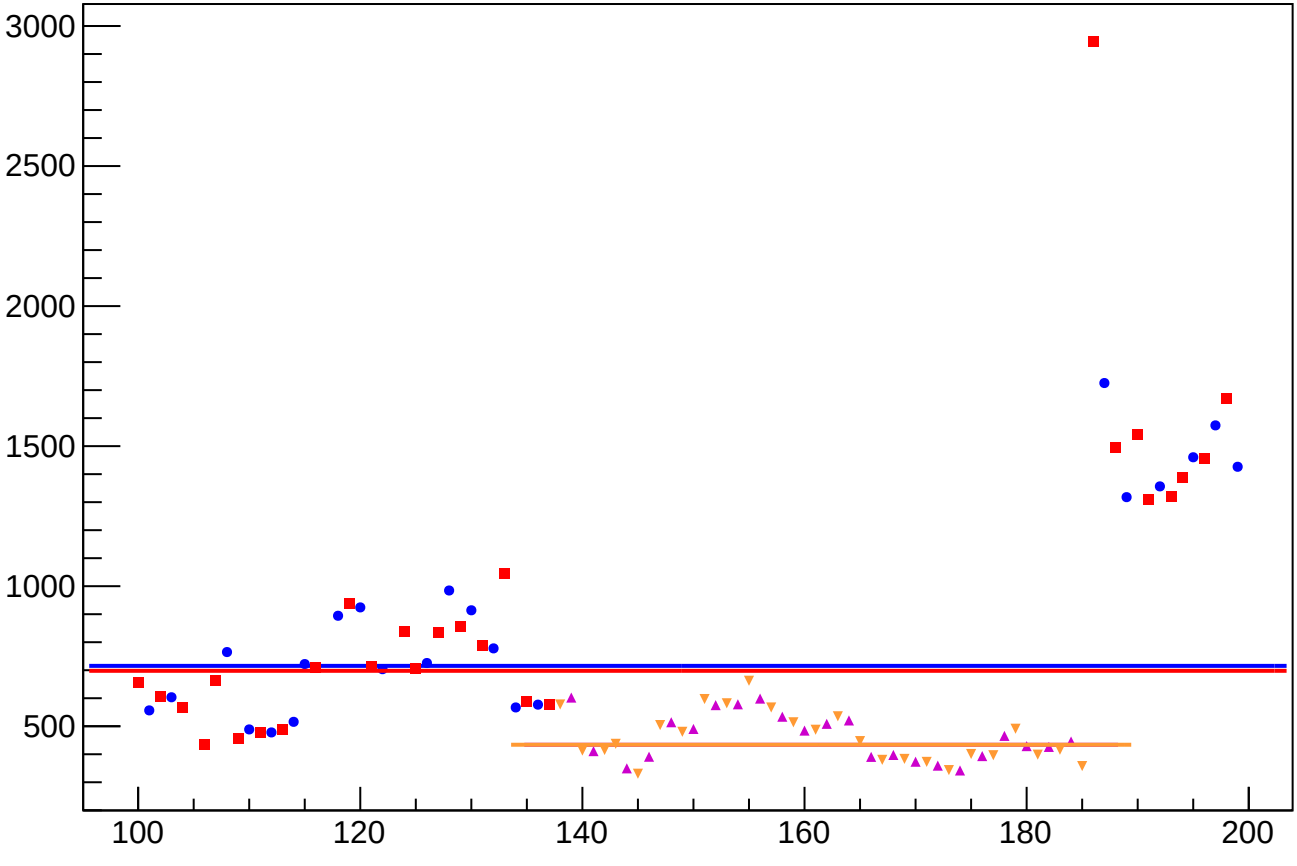
Right: -155.809+/-156.696 χ^2/NDF: 57.4/48

In: -6.185+/-93.955 χ^2/NDF:53.9/44

Out: 288.643+/-91.125 χ^2/NDF:111.5/51

All: 145.737+/-65.413 χ^2/NDF: 170.5/96

asym_sam_15_48_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 715.538+/-0.161 χ^2/NDF: 3119461.4/21

Left Out: 433.945+/-0.071 χ^2/NDF:1243702.1/24

Right Out: 697.919+/-0.153 χ^2/NDF: 4353041.2/26

Left In: 433.722+/-0.073 χ^2/NDF:1094788.4/22

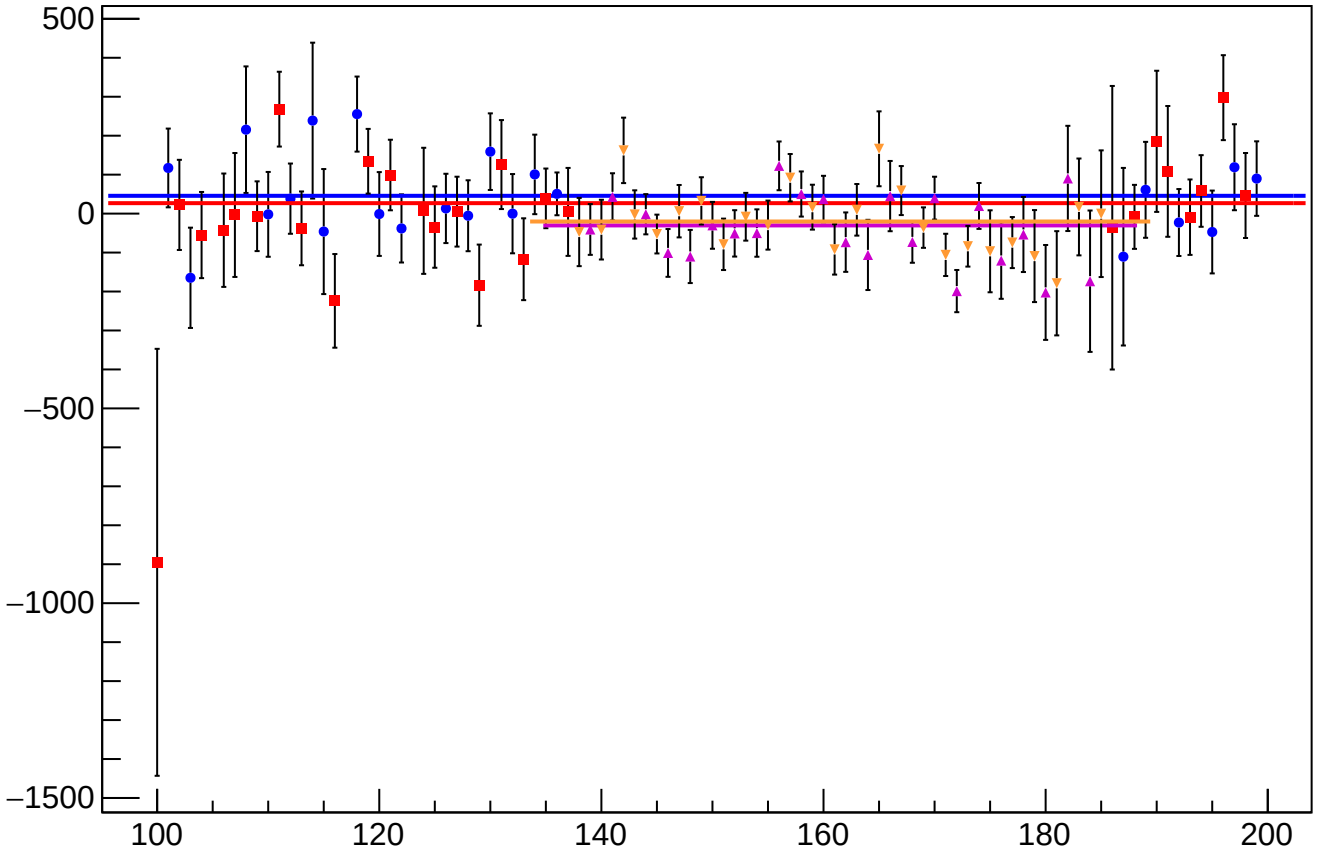
Left: 433.836+/-0.051 χ^2/NDF: 2338495.3/47

Right: 706.249+/-0.111 χ^2/NDF: 7478805.6/48

In: 481.626+/-0.066 χ^2/NDF:6752961.1/44

Out: 481.009+/-0.064 χ^2/NDF:8055566.2/51

All: 481.308+/-0.046 χ^2/NDF: 14808571.7/96



Right In: 45.676+/-21.478 χ^2/NDF: 16.4/21

Left Out: -20.270+/-13.636 χ^2/NDF:25.1/24

Right Out: 26.832+/-20.829 χ^2/NDF: 32.1/26

Left In: -30.318+/-13.979 χ^2/NDF:32.6/22

Left: -25.169+/-9.761 χ^2/NDF: 58.0/47

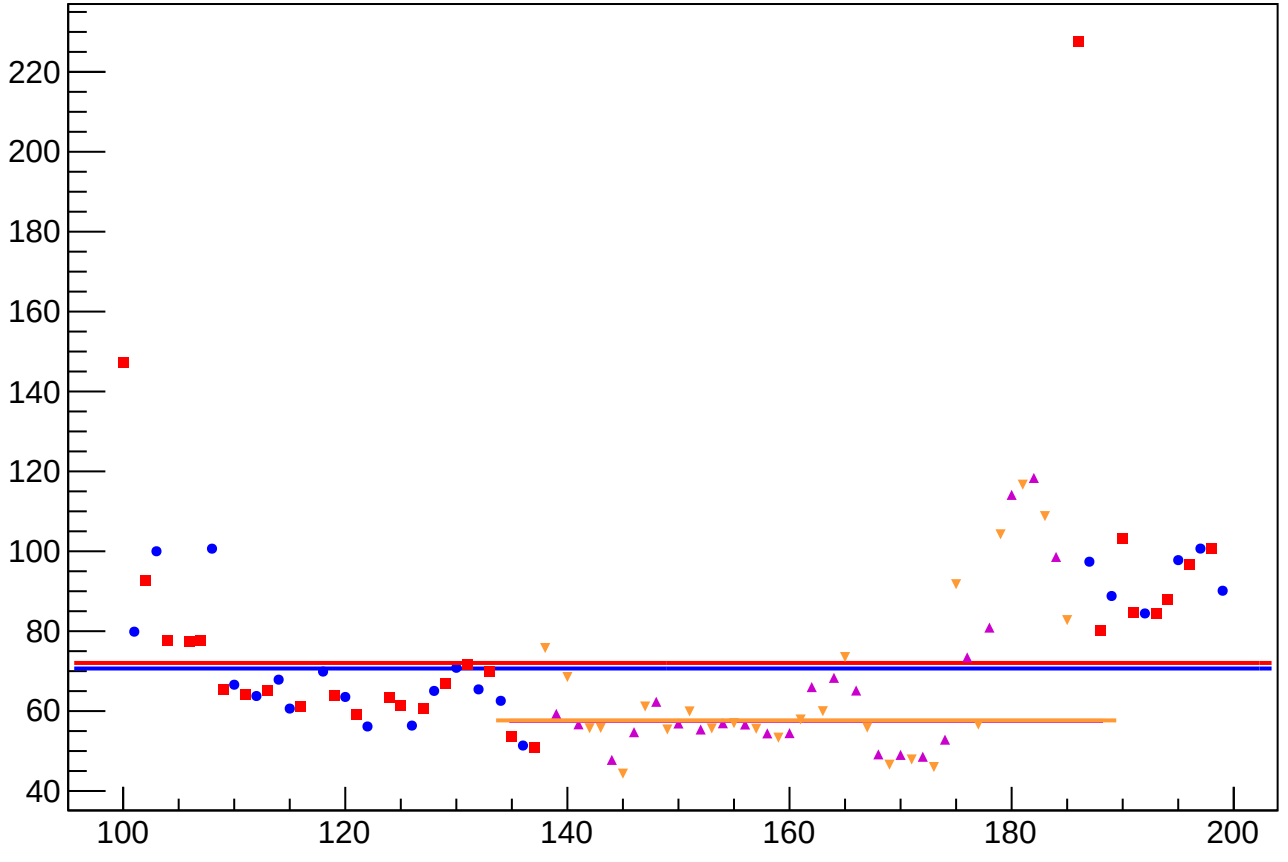
Right: 35.965+/-14.952 χ^2/NDF: 48.9/48

In: -7.706+/-11.716 χ^2/NDF:57.8/44

Out: -6.138+/-11.409 χ^2/NDF:60.8/51

All: -6.901+/-8.174 χ^2/NDF: 118.6/96

dit_asym_sam_15_48_dd_rms vs Slug, Sign Corrected



Right In: 70.660+/-0.015 χ^2/NDF: 1082644.0/21

Left Out: 57.668+/-0.010 χ^2/NDF:1909743.5/24

Right Out: 72.051+/-0.015 χ^2/NDF: 1260698.1/26

Left In: 57.539+/-0.010 χ^2/NDF:1443279.4/22

Left: 57.605+/-0.007 χ^2/NDF: 3353109.9/47

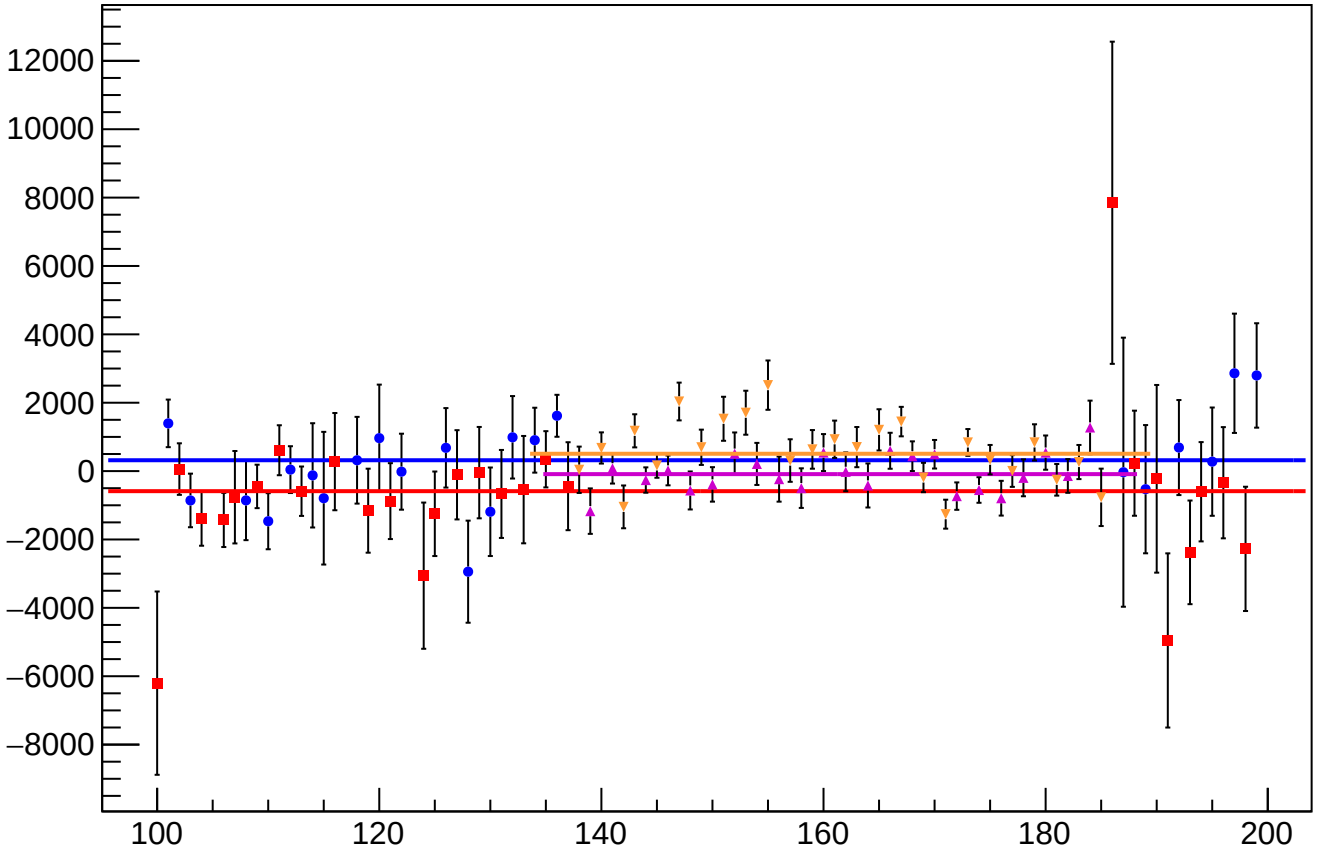
Right: 71.376+/-0.011 χ^2/NDF: 2347664.8/48

In: 61.443+/-0.008 χ^2/NDF:3050152.3/44

Out: 61.983+/-0.008 χ^2/NDF:3837944.4/51

All: 61.720+/-0.006 χ^2/NDF: 6890277.7/96

asym_sam_15_48_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 317.655+/-230.346 χ^2/NDF: 27.7/21

Left Out: 507.171+/-101.776 χ^2/NDF:65.8/24

Right Out: -586.887+/-216.666 χ^2/NDF: 22.6/26

Left In: -88.471+/-104.542 χ^2/NDF:23.3/22

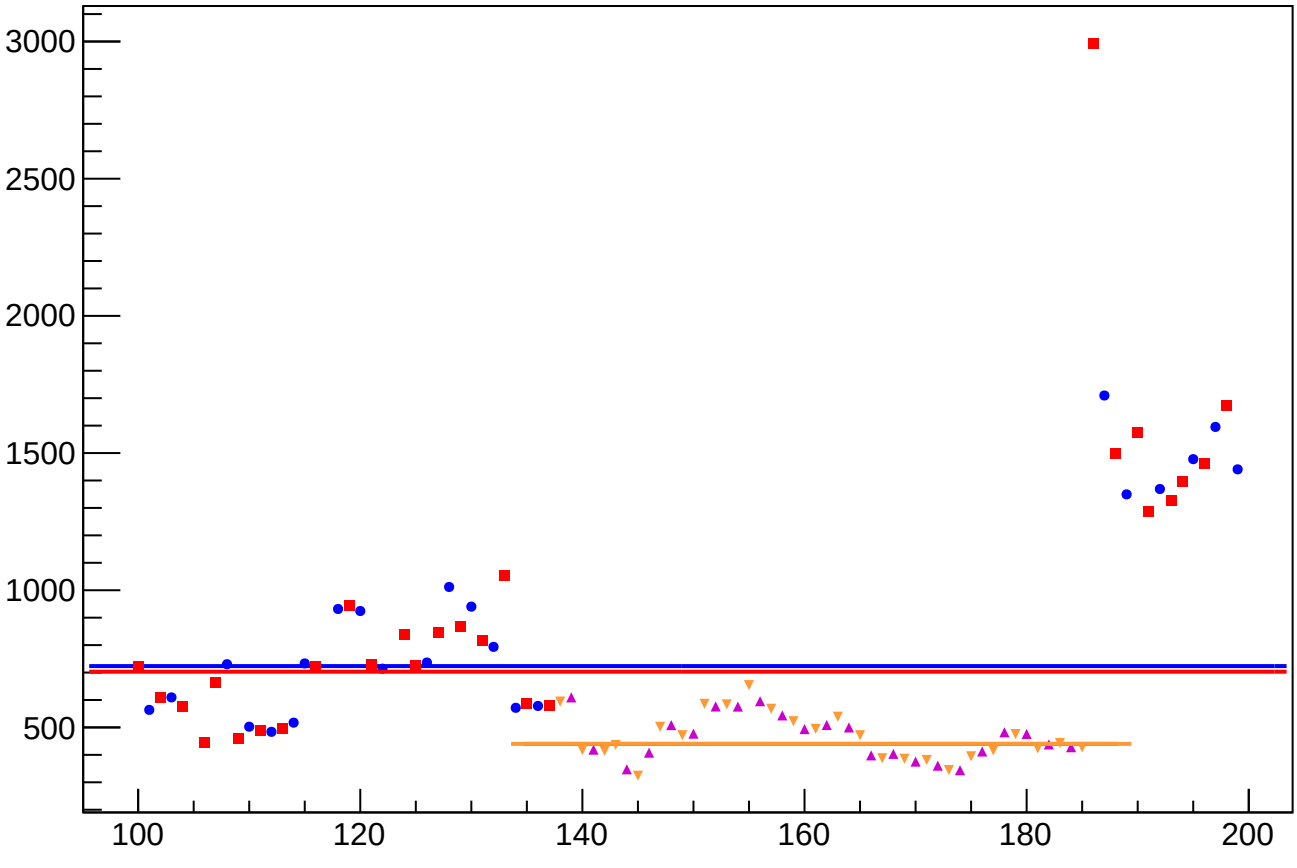
Left: 217.331+/-72.925 χ^2/NDF: 105.8/47

Right: -162.272+/-157.821 χ^2/NDF: 58.5/48

In: -19.107+/-95.196 χ^2/NDF:53.6/44

Out: 309.401+/-92.119 χ^2/NDF:109.3/51

All: 150.542+/-66.199 χ^2/NDF: 169.0/96



Right In: 723.531+/-0.163 χ^2/NDF: 3135644.2/21

Left Out: 440.075+/-0.072 χ^2/NDF:1196985.5/24

Right Out: 703.116+/-0.153 χ^2/NDF: 4357983.0/26

Left In: 439.877+/-0.074 χ^2/NDF:1061910.1/22

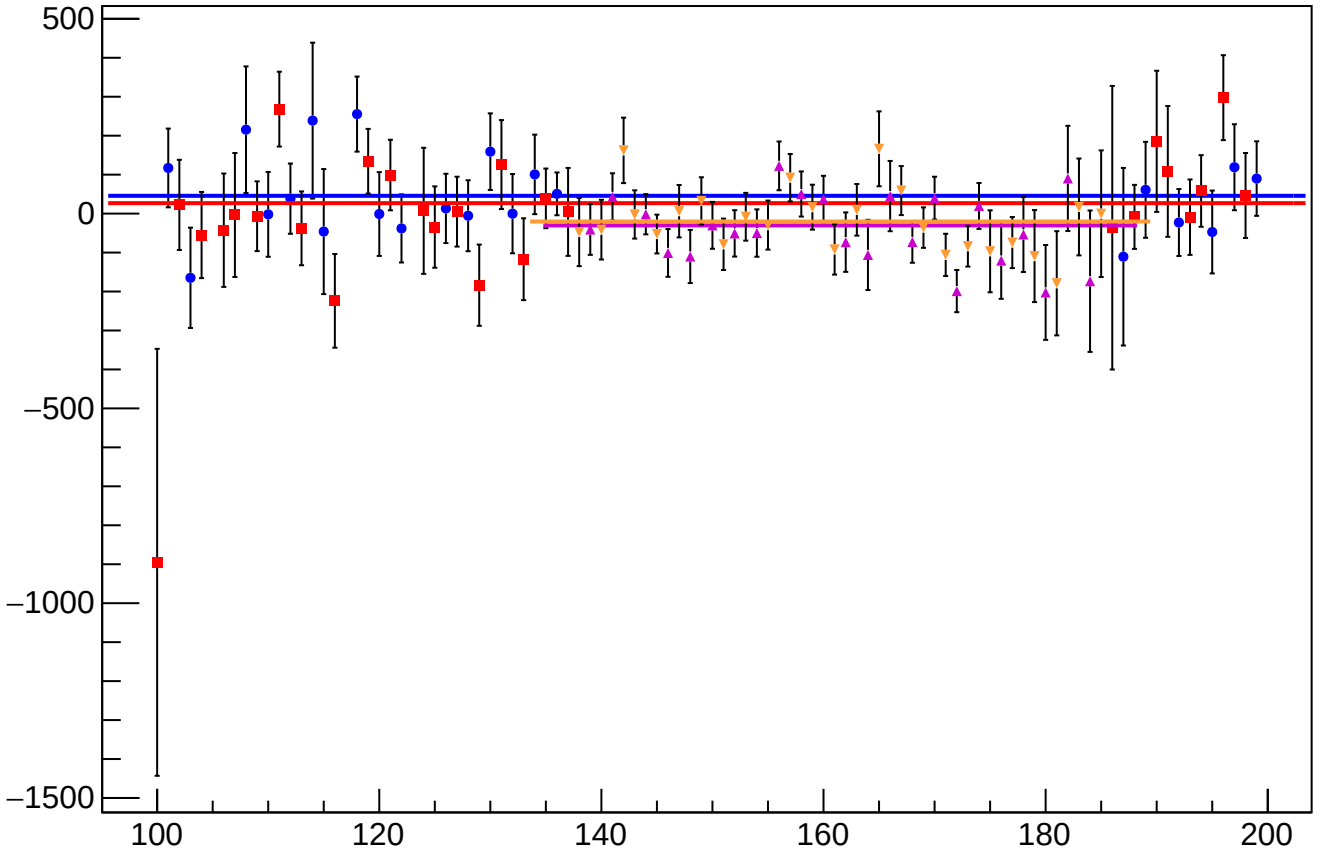
Left: 439.979+/-0.052 χ^2/NDF: 2258899.3/47

Right: 712.699+/-0.112 χ^2/NDF: 7501962.3/48

In: 488.324+/-0.067 χ^2/NDF:6712365.1/44

Out: 487.624+/-0.065 χ^2/NDF:7969875.6/51

All: 487.963+/-0.047 χ^2/NDF: 14682296.4/96



Right In: 45.675+/-21.478 χ^2/NDF: 16.4/21

Left Out: -20.271+/-13.636 χ^2/NDF:25.1/24

Right Out: 26.832+/-20.829 χ^2/NDF: 32.1/26

Left In: -30.318+/-13.979 χ^2/NDF:32.6/22

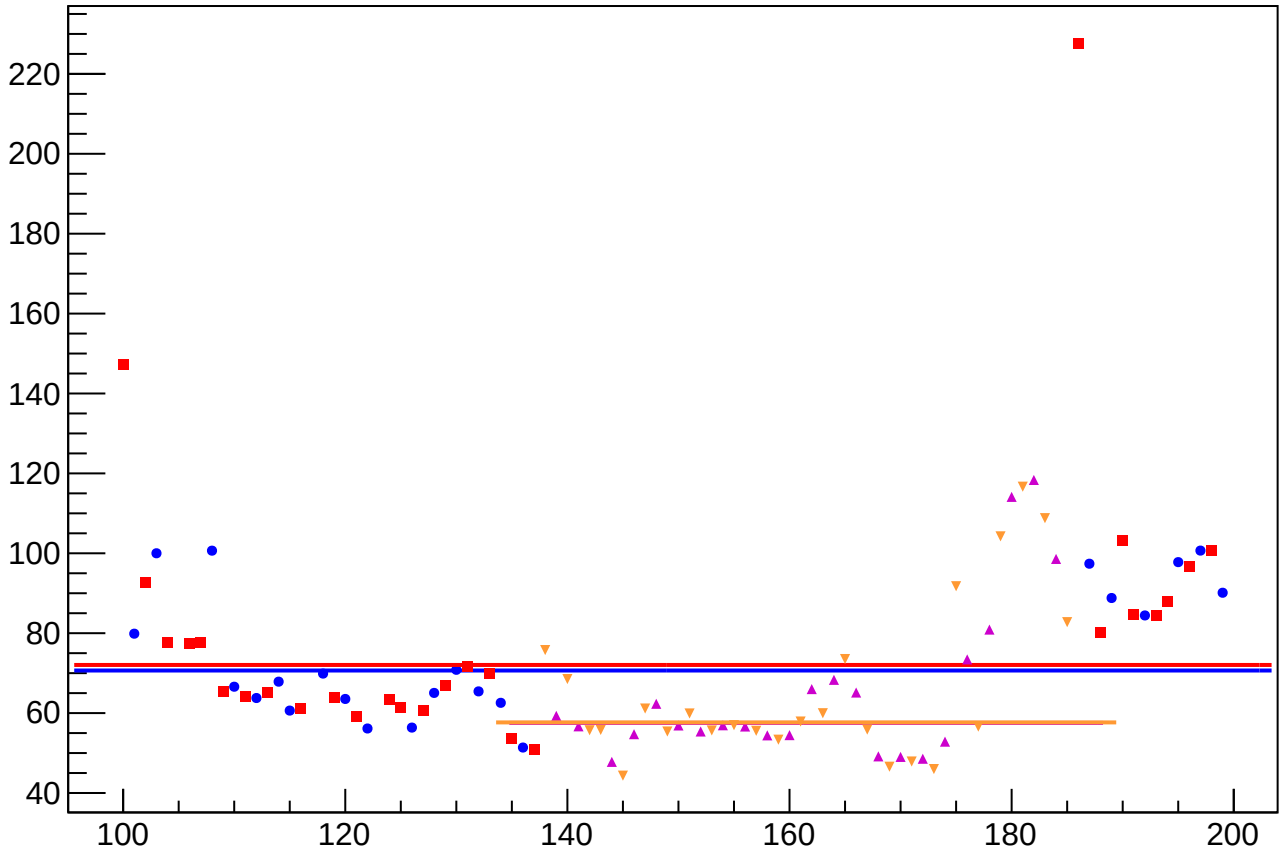
Left: -25.170+/-9.761 χ^2/NDF: 58.0/47

Right: 35.964+/-14.952 χ^2/NDF: 48.9/48

In: -7.707+/-11.716 χ^2/NDF:57.8/44

Out: -6.138+/-11.409 χ^2/NDF:60.8/51

All: -6.902+/-8.174 χ^2/NDF: 118.6/96



Right In: 70.659+/-0.015 χ^2/NDF: 1082639.0/21

Left Out: 57.668+/-0.010 χ^2/NDF:1909739.8/24

Right Out: 72.050+/-0.015 χ^2/NDF: 1260710.4/26

Left In: 57.539+/-0.010 χ^2/NDF:1443262.3/22

Left: 57.605+/-0.007 χ^2/NDF: 3353089.2/47

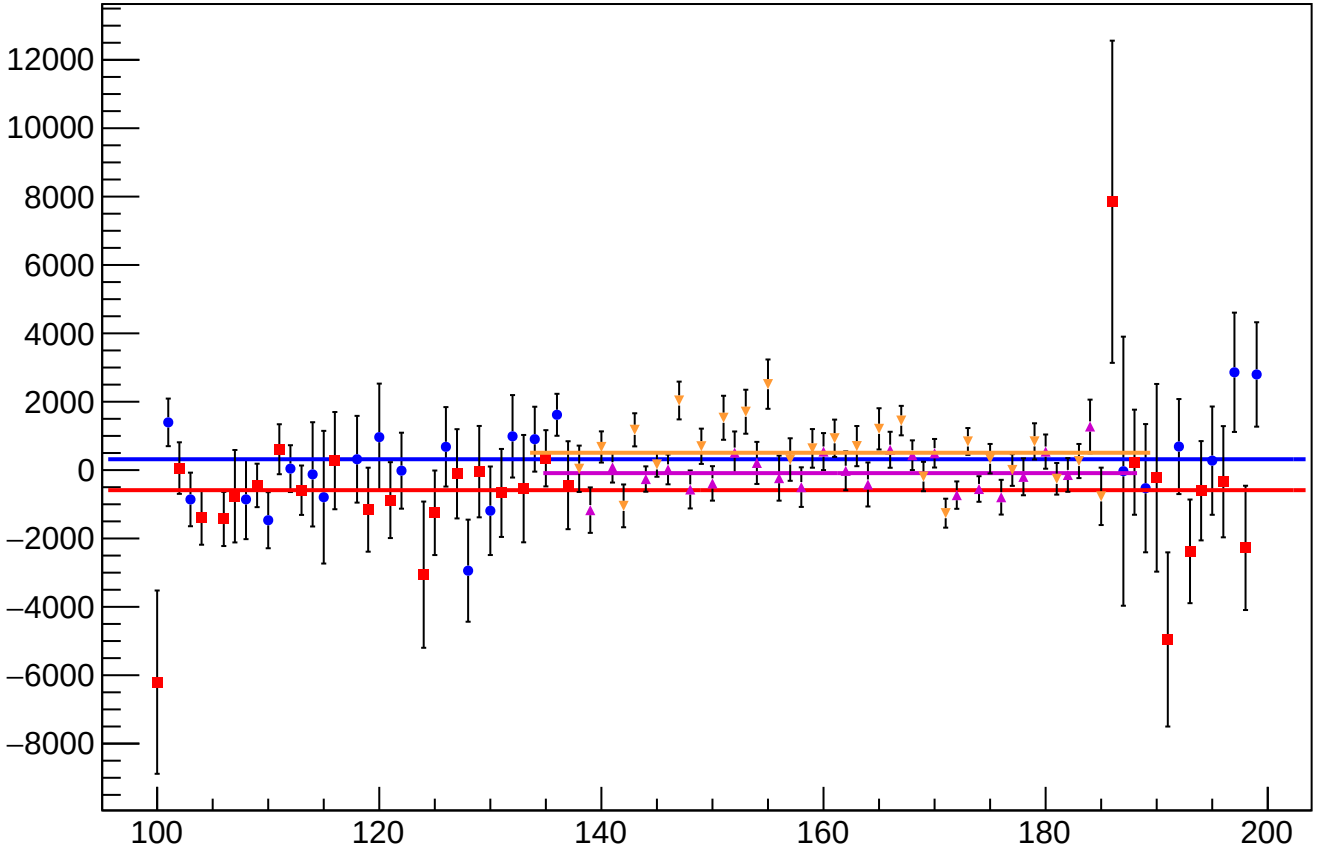
Right: 71.376+/-0.011 χ^2/NDF: 2347672.0/48

In: 61.443+/-0.008 χ^2/NDF:3050117.1/44

Out: 61.983+/-0.008 χ^2/NDF:3837929.5/51

All: 61.720+/-0.006 χ^2/NDF: 6890228.0/96

asym_sam_15_48_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 317.655+/-230.346 χ^2/NDF: 27.7/21

Left Out: 507.170+/-101.776 χ^2/NDF:65.8/24

Right Out: -586.886+/-216.666 χ^2/NDF: 22.6/26

Left In: -88.471+/-104.541 χ^2/NDF:23.3/22

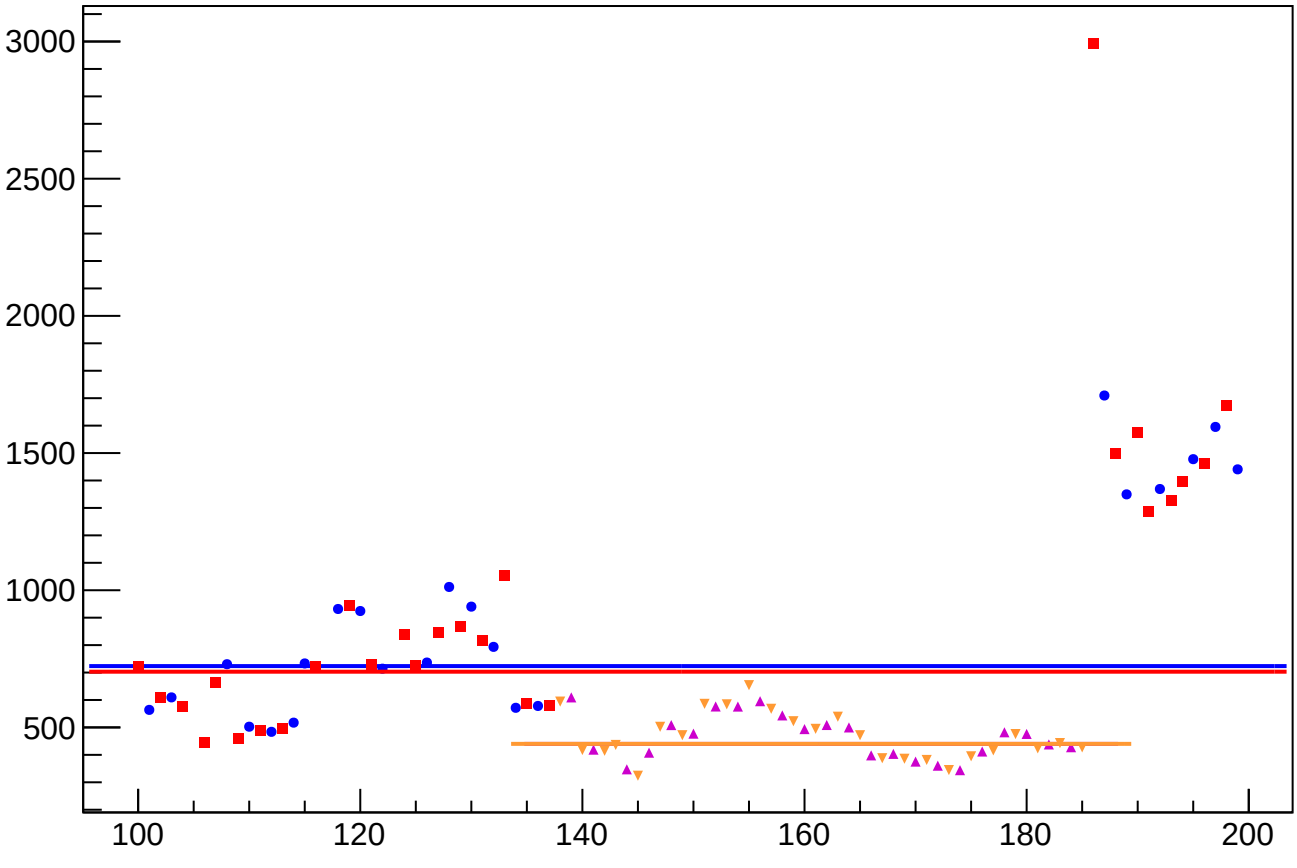
Left: 217.331+/-72.925 χ^2/NDF: 105.8/47

Right: -162.272+/-157.821 χ^2/NDF: 58.5/48

In: -19.107+/-95.196 χ^2/NDF:53.6/44

Out: 309.401+/-92.119 χ^2/NDF:109.3/51

All: 150.542+/-66.199 χ^2/NDF: 169.0/96



Right In: 723.530+/-0.163 χ^2/NDF: 3135648.0/21

Left Out: 440.074+/-0.072 χ^2/NDF:1196993.4/24

Right Out: 703.115+/-0.153 χ^2/NDF: 4357985.1/26

Left In: 439.876+/-0.074 χ^2/NDF:1061916.6/22

Left: 439.978+/-0.052 χ^2/NDF: 2258913.7/47

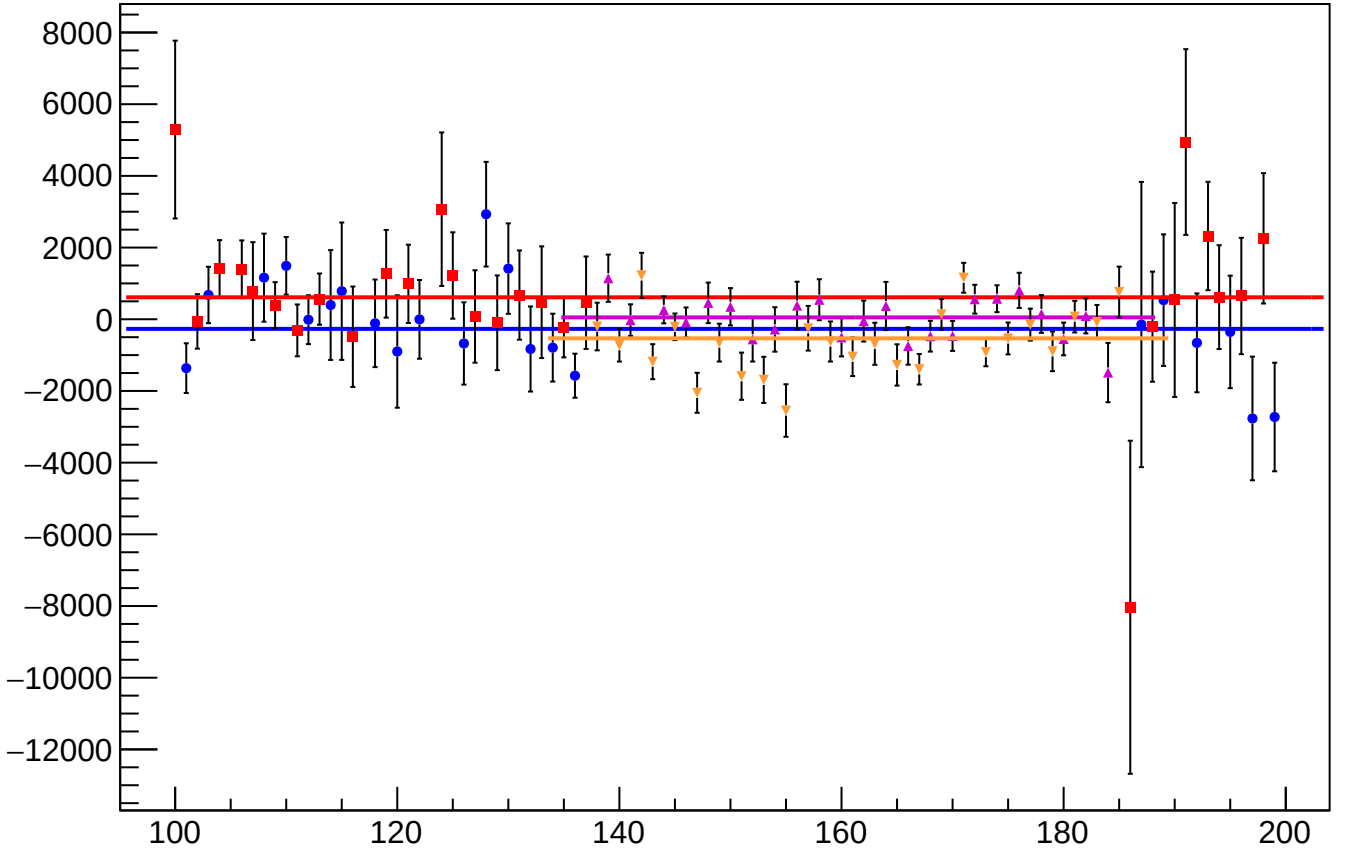
Right: 712.698+/-0.112 χ^2/NDF: 7501968.1/48

In: 488.323+/-0.067 χ^2/NDF:6712388.1/44

Out: 487.623+/-0.065 χ^2/NDF:7969896.8/51

All: 487.961+/-0.047 χ^2/NDF: 14682340.7/96

asym_sam_15_48_dd_mean vs Slug, Sign Corrected



Right In: -267.837+/-229.082 χ^2/NDF: 27.7/21

Left Out: -531.569+/-101.245 χ^2/NDF:65.6/24

Right Out: 612.438+/-215.965 χ^2/NDF: 20.8/26

Left In: 52.554+/-103.870 χ^2/NDF:24.1/22

Left: -246.981+/-72.501 χ^2/NDF: 105.9/47

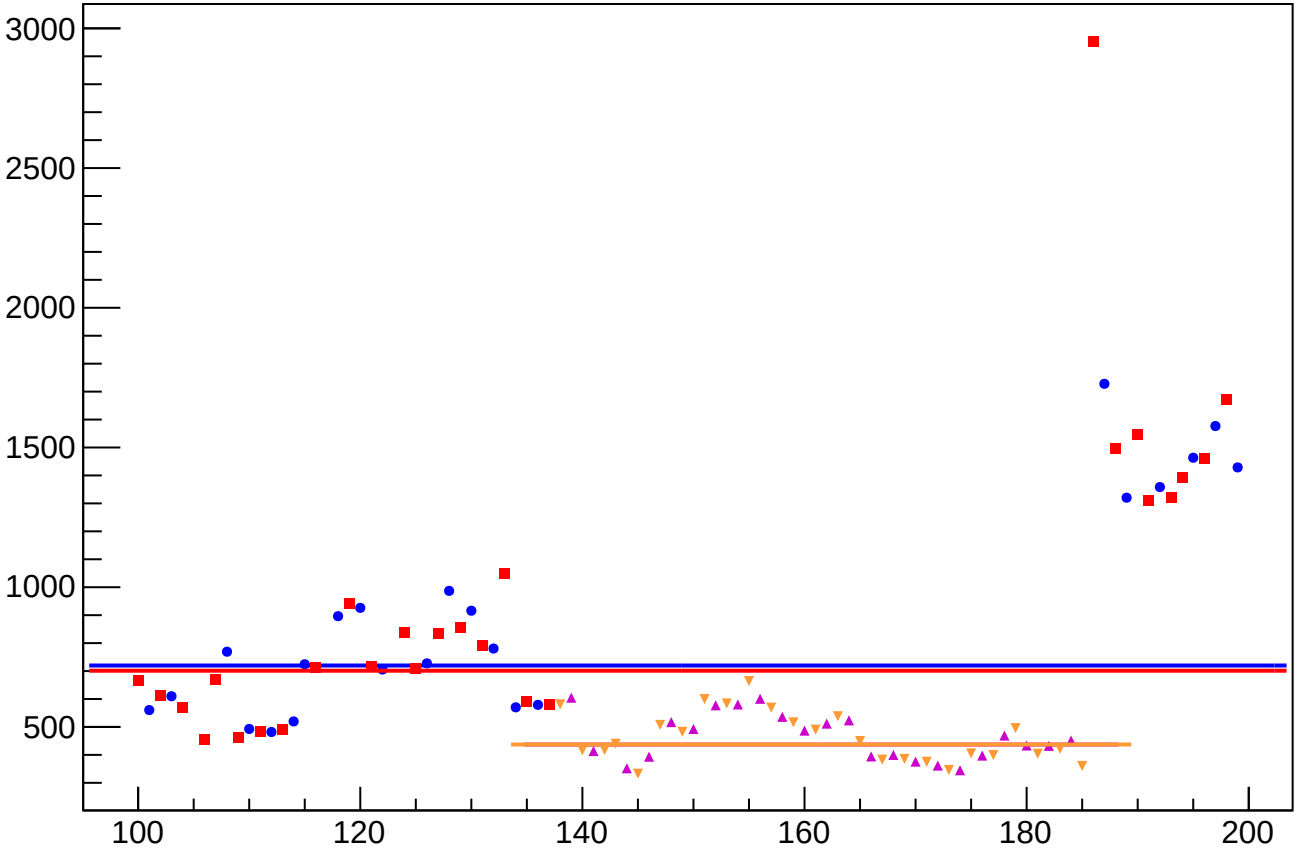
Right: 198.223+/-157.143 χ^2/NDF: 56.4/48

In: -2.082+/-94.600 χ^2/NDF:53.4/44

Out: -325.444+/-91.671 χ^2/NDF:109.4/51

All: -168.846+/-65.832 χ^2/NDF: 168.8/96

asym_sam_15_48_dd_rms vs Slug, Sign Corrected



Right In: 719.862+/-0.162 χ^2/NDF: 3089519.8/21

Left Out: 437.157+/-0.072 χ^2/NDF:1227453.3/24

Right Out: 701.256+/-0.153 χ^2/NDF: 4314771.7/26

Left In: 436.937+/-0.073 χ^2/NDF:1080038.0/22

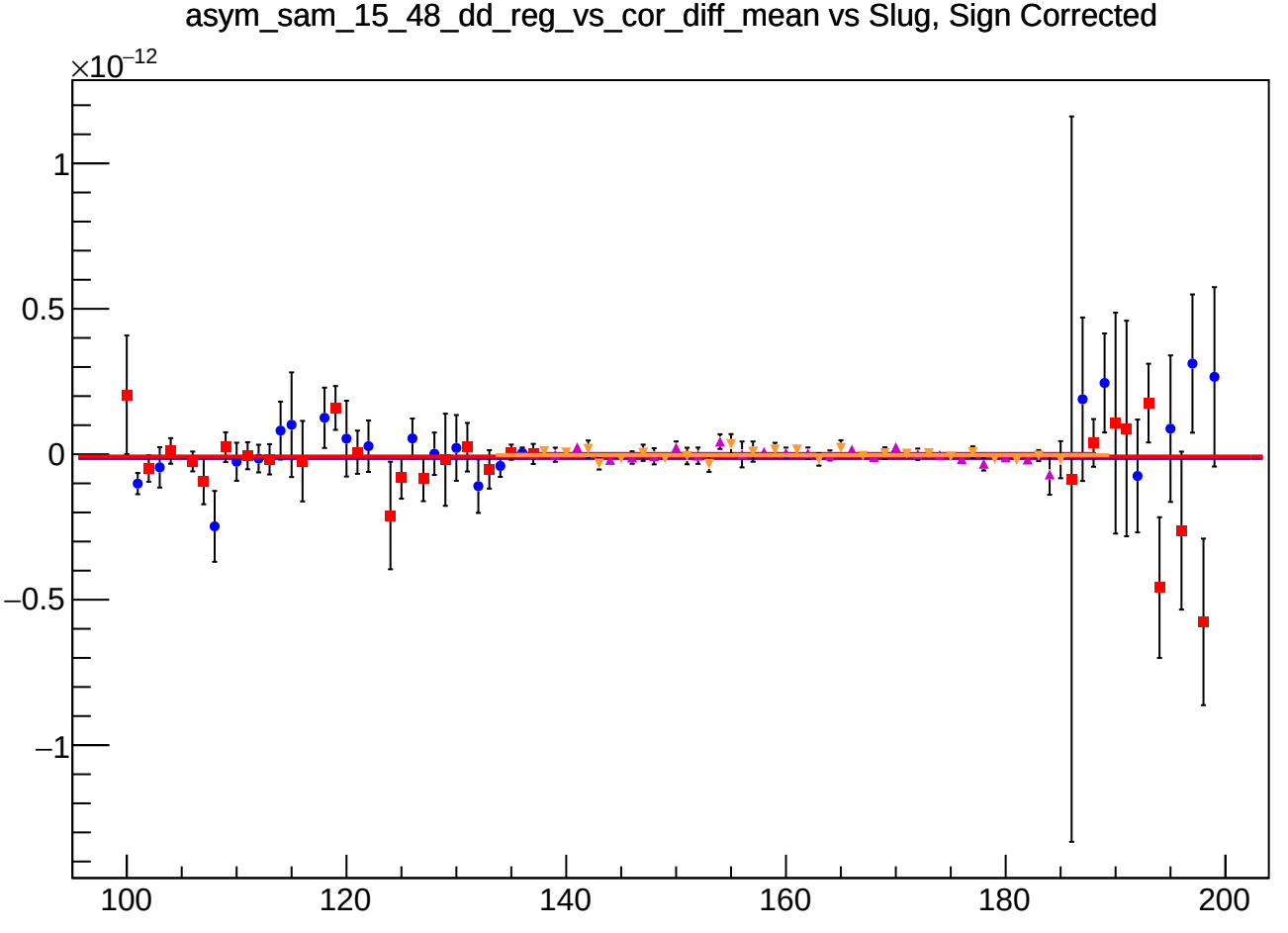
Left: 437.050+/-0.051 χ^2/NDF: 2307495.9/47

Right: 710.011+/-0.111 χ^2/NDF: 7411277.3/48

In: 485.184+/-0.067 χ^2/NDF:6699968.5/44

Out: 484.742+/-0.065 χ^2/NDF:7994202.4/51

All: 484.956+/-0.047 χ^2/NDF: 14694193.5/96



Right In: -0.000+/-0.000 χ^2/NDF: 22.7/21

Left Out: -0.000+/-0.000 χ^2/NDF:14.3/24

Right Out: -0.000+/-0.000 χ^2/NDF: 23.6/26

Left In: 0.000+/-0.000 χ^2/NDF:22.0/22

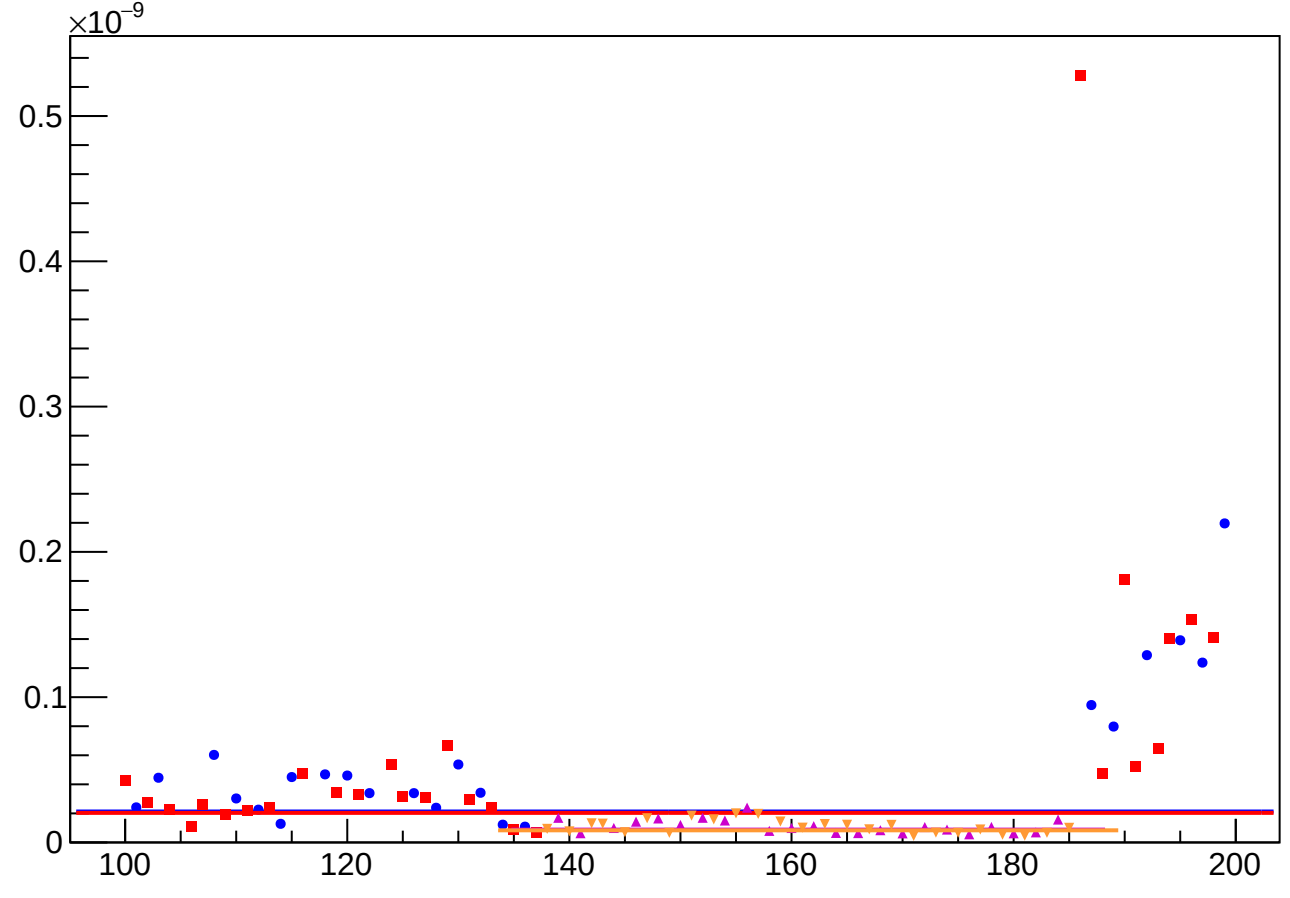
Left: -0.000+/-0.000 χ^2/NDF: 37.2/47

Right: -0.000+/-0.000 χ^2/NDF: 46.4/48

In: 0.000+/-0.000 χ^2/NDF:45.9/44

Out: -0.000+/-0.000 χ^2/NDF:38.1/51

All: -0.000+/-0.000 χ^2/NDF: 84.5/96



Right In: 0.000+/-0.000 χ^2/NDF: 4401850.6/21

Left Out: 0.000+/-0.000 χ^2/NDF:2207304.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3957712.0/26

Left In: 0.000+/-0.000 χ^2/NDF:1644276.1/22

Left: 0.000+/-0.000 χ^2/NDF: 3869791.0/47

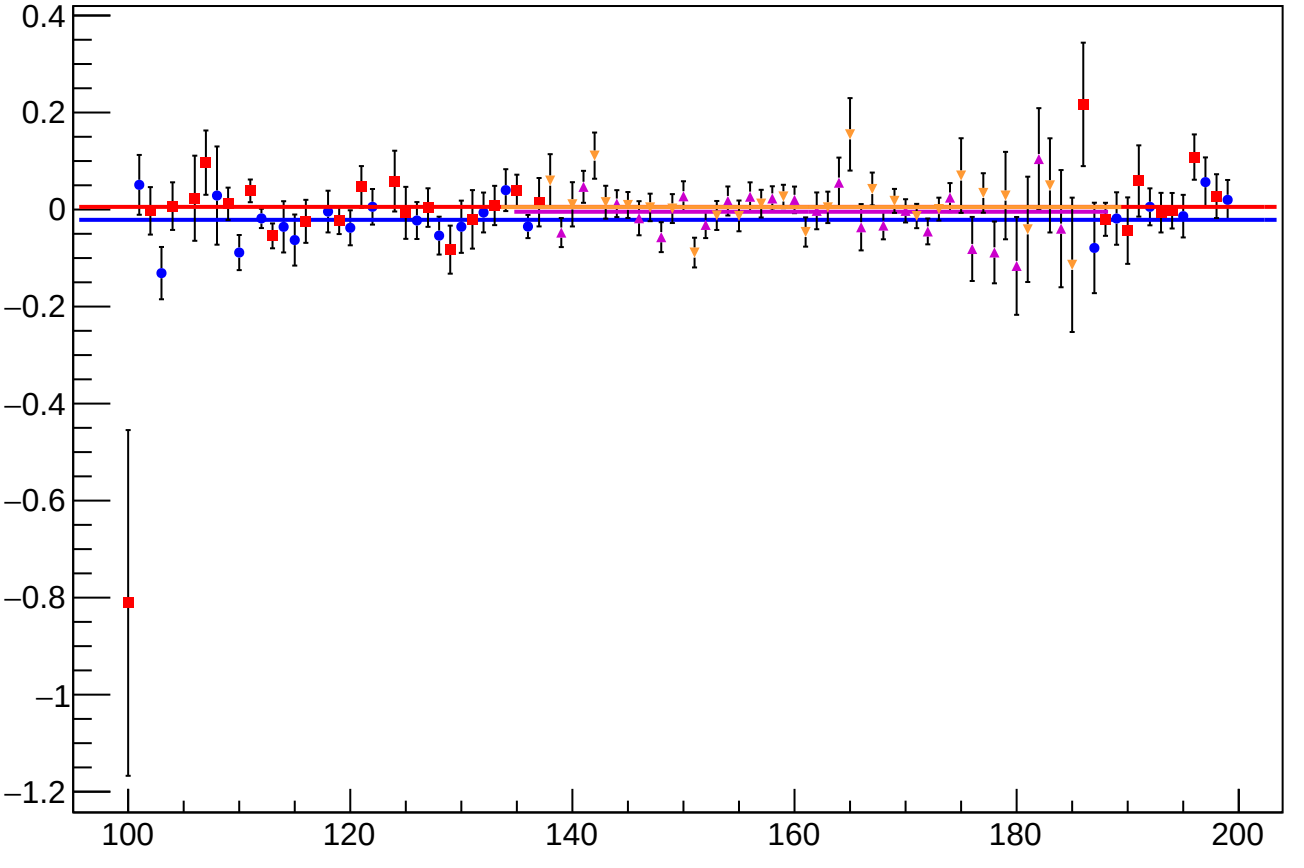
Right: 0.000+/-0.000 χ^2/NDF: 8365446.1/48

In: 0.000+/-0.000 χ^2/NDF:7881730.4/44

Out: 0.000+/-0.000 χ^2/NDF:8038103.1/51

All: 0.000+/-0.000 χ^2/NDF: 15946267.0/96

asym_sam_15_48_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.021+/-0.008 χ^2/NDF: 18.4/21

Left Out: 0.005+/-0.007 χ^2/NDF:28.4/24

Right Out: 0.005+/-0.008 χ^2/NDF: 31.8/26

Left In: -0.005+/-0.007 χ^2/NDF:25.1/22

Left: 0.000+/-0.005 χ^2/NDF: 54.5/47

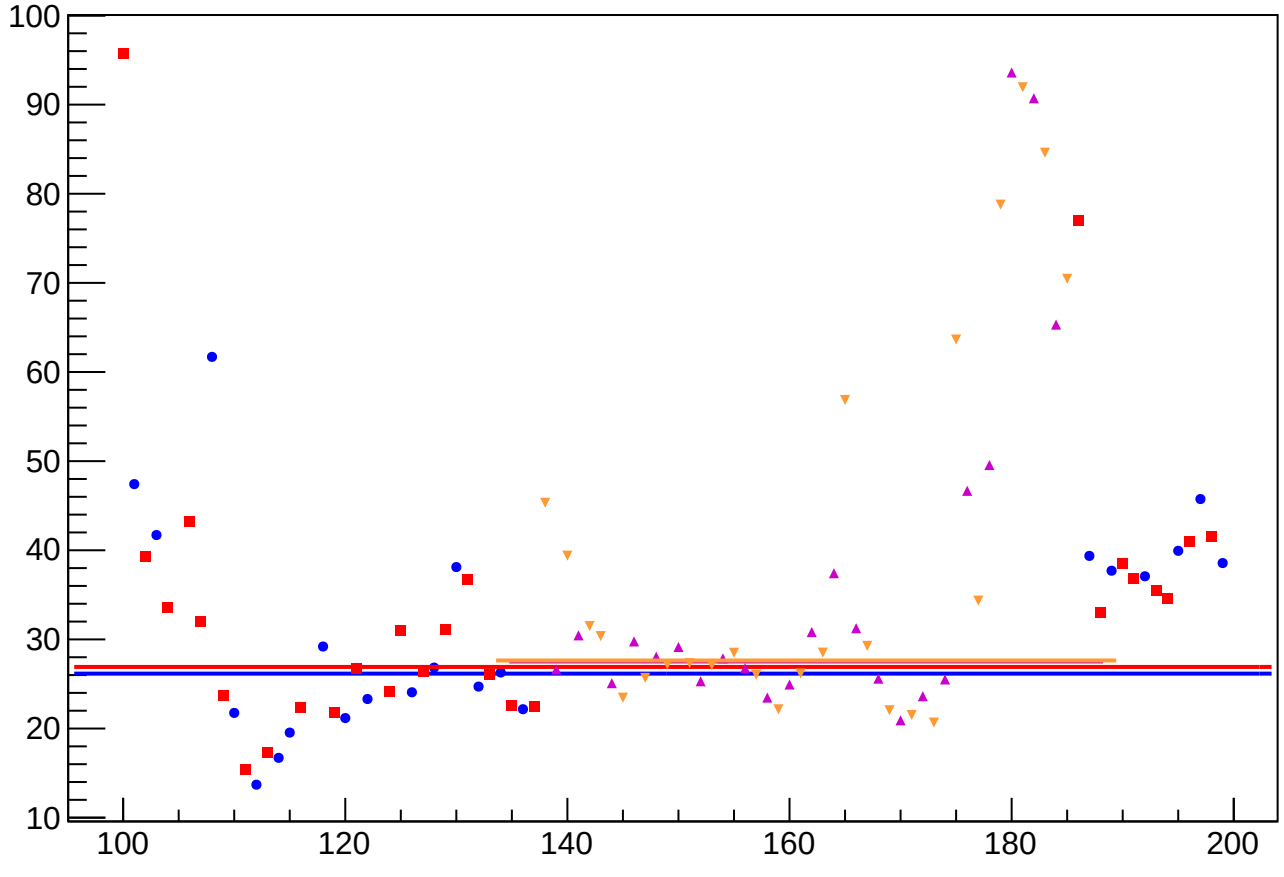
Right: -0.007+/-0.006 χ^2/NDF: 55.3/48

In: -0.011+/-0.005 χ^2/NDF:45.8/44

Out: 0.005+/-0.005 χ^2/NDF:60.2/51

All: -0.003+/-0.004 χ^2/NDF: 110.8/96

asym_sam_15_48_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 26.161+/-0.006 χ^2/NDF: 2753463.8/21

Left Out: 27.635+/-0.005 χ^2/NDF:3974084.8/24

Right Out: 26.912+/-0.006 χ^2/NDF: 2362280.4/26

Left In: 27.524+/-0.005 χ^2/NDF:2634540.9/22

Left: 27.581+/-0.003 χ^2/NDF: 6608881.9/47

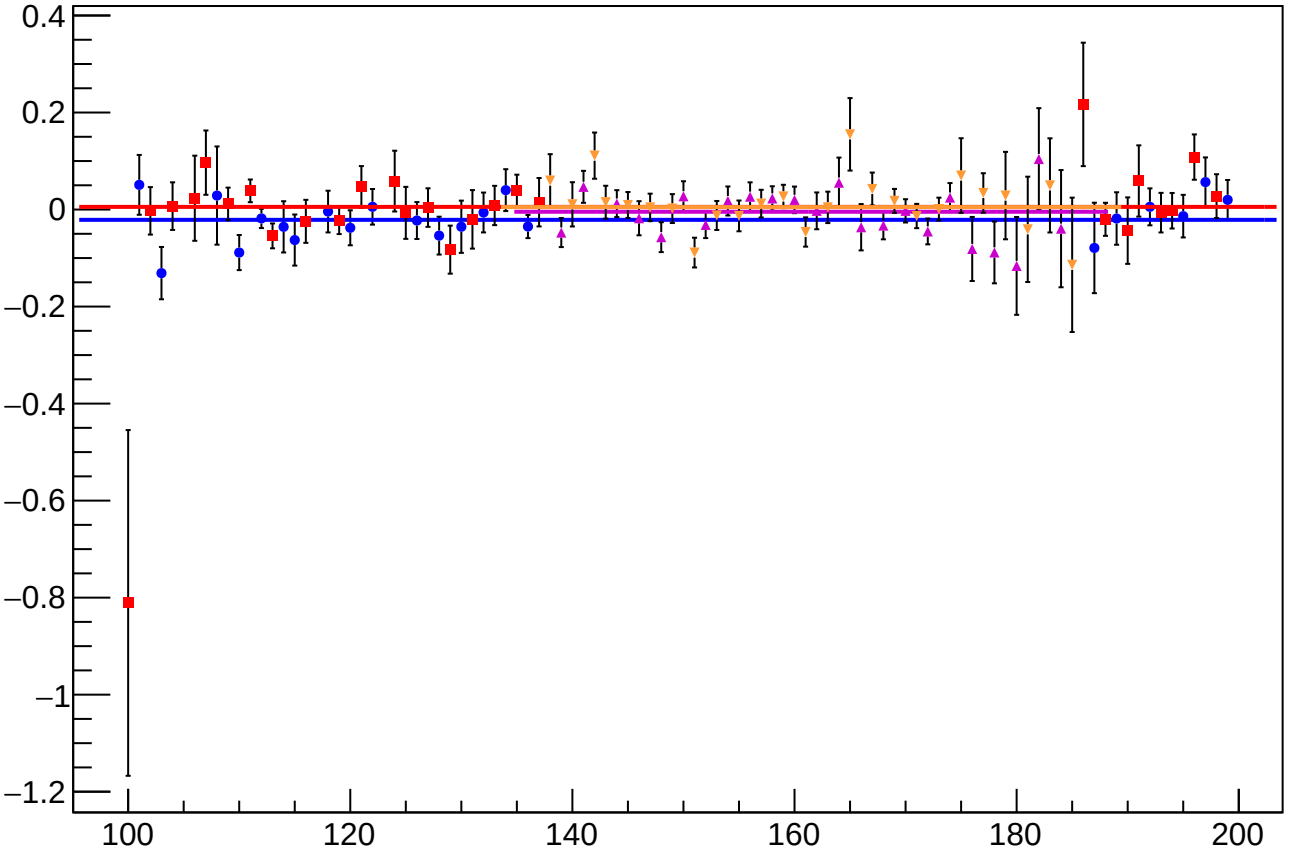
Right: 26.552+/-0.004 χ^2/NDF: 5123952.8/48

In: 26.972+/-0.004 χ^2/NDF:5418884.7/44

Out: 27.334+/-0.004 χ^2/NDF:6345635.3/51

All: 27.158+/-0.003 χ^2/NDF: 11769172.8/96

asym_sam_15_48_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.021+/-0.008 χ^2/NDF: 18.4/21

Left Out: 0.005+/-0.007 χ^2/NDF:28.4/24

Right Out: 0.005+/-0.008 χ^2/NDF: 31.8/26

Left In: -0.005+/-0.007 χ^2/NDF:25.1/22

Left: 0.000+/-0.005 χ^2/NDF: 54.5/47

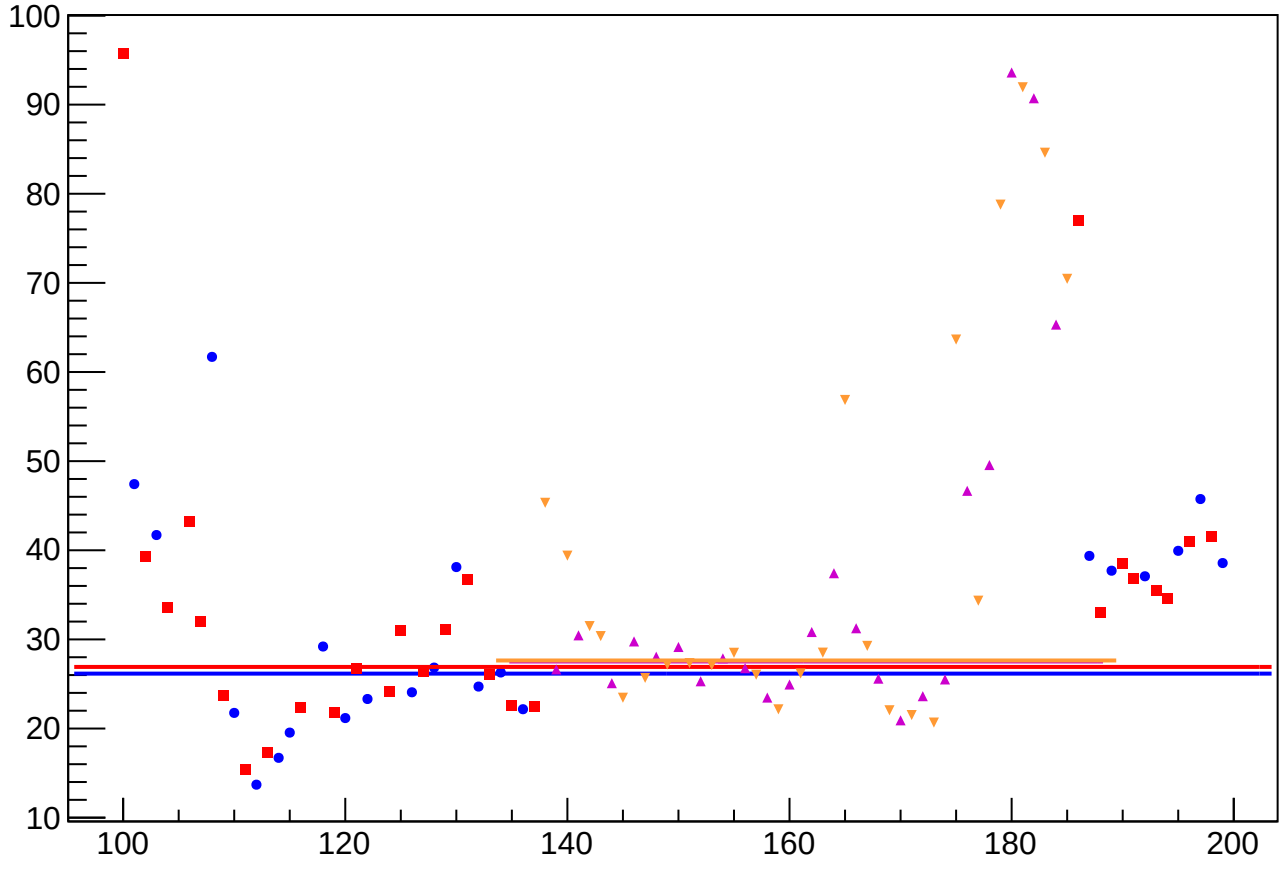
Right: -0.007+/-0.006 χ^2/NDF: 55.3/48

In: -0.011+/-0.005 χ^2/NDF:45.8/44

Out: 0.005+/-0.005 χ^2/NDF:60.2/51

All: -0.003+/-0.004 χ^2/NDF: 110.8/96

asym_sam_15_48_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 26.161+/-0.006 χ^2/NDF: 2753463.8/21

Left Out: 27.635+/-0.005 χ^2/NDF:3974084.8/24

Right Out: 26.912+/-0.006 χ^2/NDF: 2362280.4/26

Left In: 27.524+/-0.005 χ^2/NDF:2634540.9/22

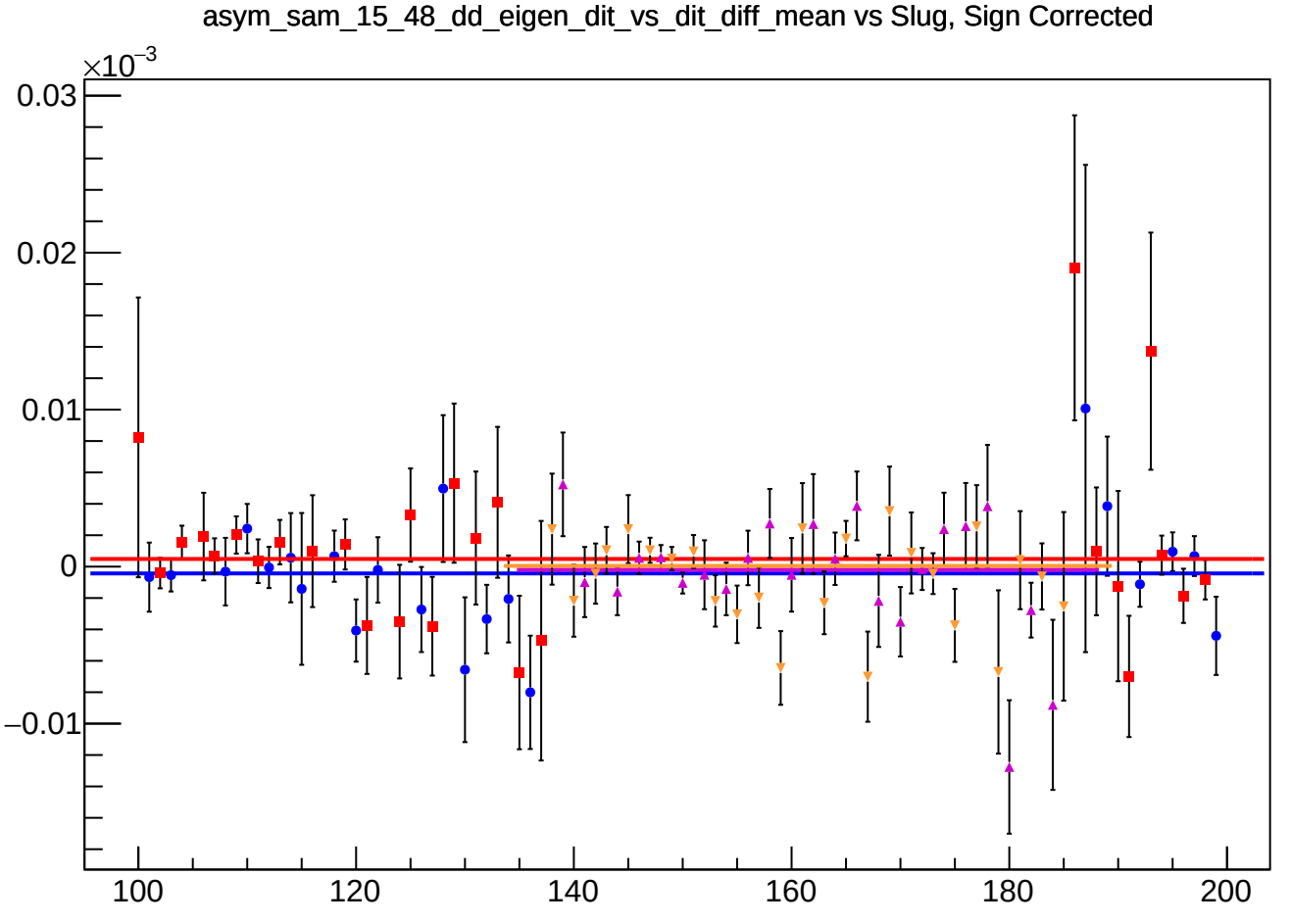
Left: 27.581+/-0.003 χ^2/NDF: 6608881.9/47

Right: 26.552+/-0.004 χ^2/NDF: 5123952.8/48

In: 26.972+/-0.004 χ^2/NDF:5418884.7/44

Out: 27.334+/-0.004 χ^2/NDF:6345635.3/51

All: 27.158+/-0.003 χ^2/NDF: 11769172.8/96



Right In: -0.000+/-0.000 χ^2/NDF: 23.9/21

Left Out: 0.000+/-0.000 χ^2/NDF:37.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 29.1/26

Left In: -0.000+/-0.000 χ^2/NDF:33.3/22

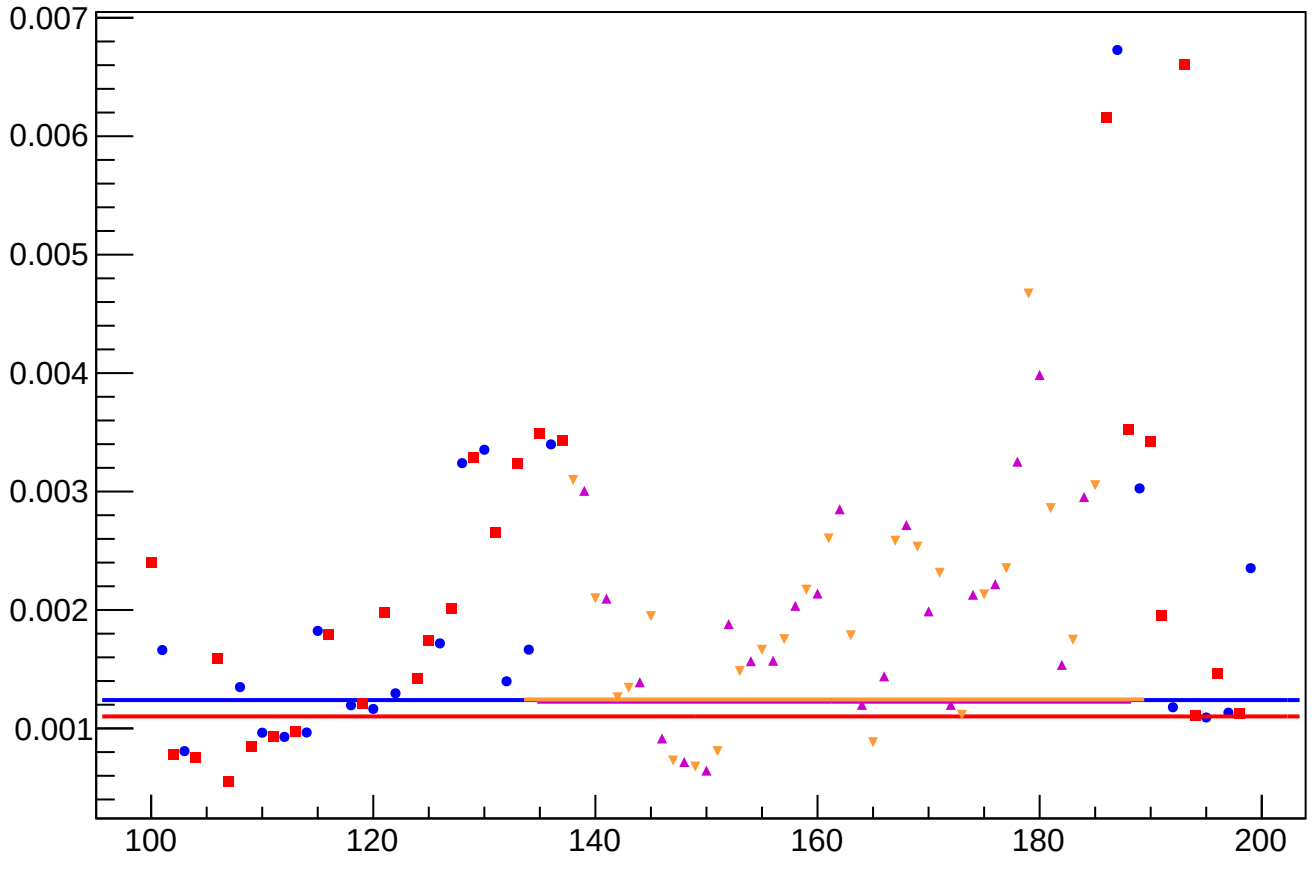
Left: -0.000+/-0.000 χ^2/NDF: 70.5/47

Right: 0.000+/-0.000 χ^2/NDF: 55.9/48

In: -0.000+/-0.000 χ^2/NDF:57.4/44

Out: 0.000+/-0.000 χ^2/NDF:67.0/51

All: -0.000+/-0.000 χ^2/NDF: 126.6/96



Right In: 0.001+/-0.000 χ^2/NDF: 3293139.5/21

Left Out: 0.001+/-0.000 χ^2/NDF:8341059.1/24

Right Out: 0.001+/-0.000 χ^2/NDF: 6182407.1/26

Left In: 0.001+/-0.000 χ^2/NDF:7822849.8/22

Left: 0.001+/-0.000 χ^2/NDF: 16167353.6/47

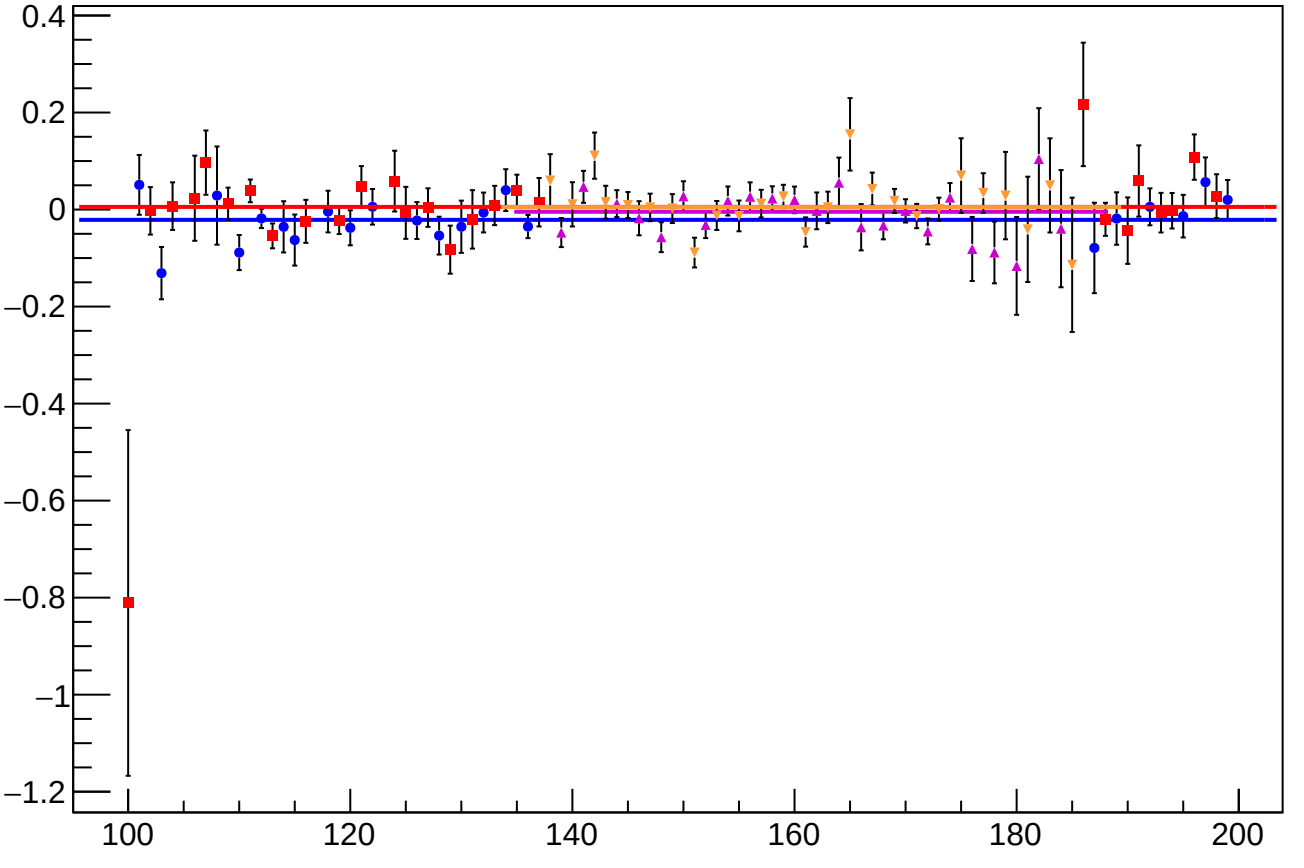
Right: 0.001+/-0.000 χ^2/NDF: 9602576.6/48

In: 0.001+/-0.000 χ^2/NDF:11117402.0/44

Out: 0.001+/-0.000 χ^2/NDF:14695576.2/51

All: 0.001+/-0.000 χ^2/NDF: 25852273.7/96

asym_sam_15_48_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.021+/-0.008 χ^2/NDF: 18.4/21

Left Out: 0.005+/-0.007 χ^2/NDF:28.4/24

Right Out: 0.005+/-0.008 χ^2/NDF: 31.8/26

Left In: -0.005+/-0.007 χ^2/NDF:25.1/22

Left: 0.000+/-0.005 χ^2/NDF: 54.5/47

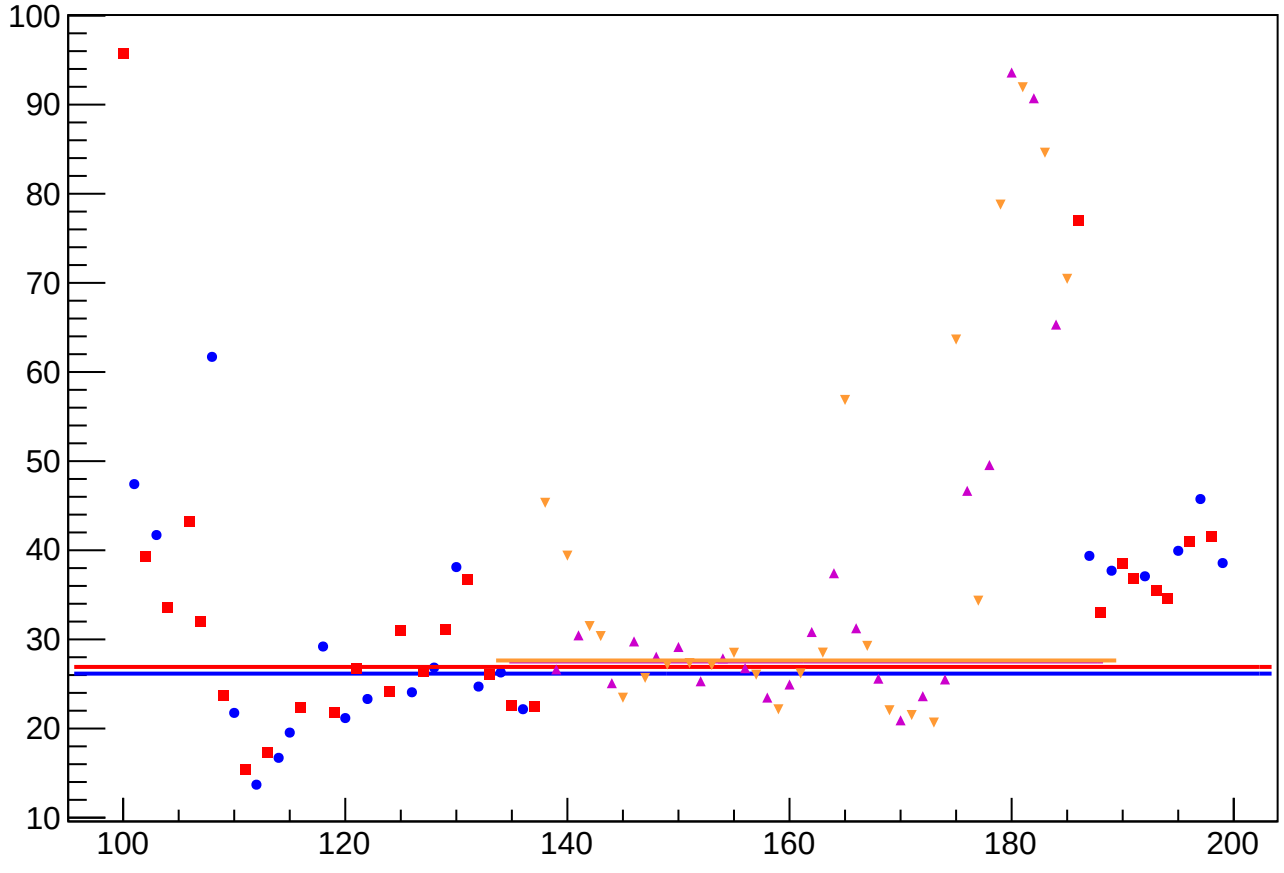
Right: -0.007+/-0.006 χ^2/NDF: 55.3/48

In: -0.011+/-0.005 χ^2/NDF:45.8/44

Out: 0.005+/-0.005 χ^2/NDF:60.2/51

All: -0.003+/-0.004 χ^2/NDF: 110.8/96

asym_sam_15_48_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 26.161+/-0.006 χ^2/NDF: 2753480.7/21

Left Out: 27.635+/-0.005 χ^2/NDF:3974025.3/24

Right Out: 26.912+/-0.006 χ^2/NDF: 2362374.5/26

Left In: 27.524+/-0.005 χ^2/NDF:2634508.8/22

Left: 27.581+/-0.003 χ^2/NDF: 6608790.9/47

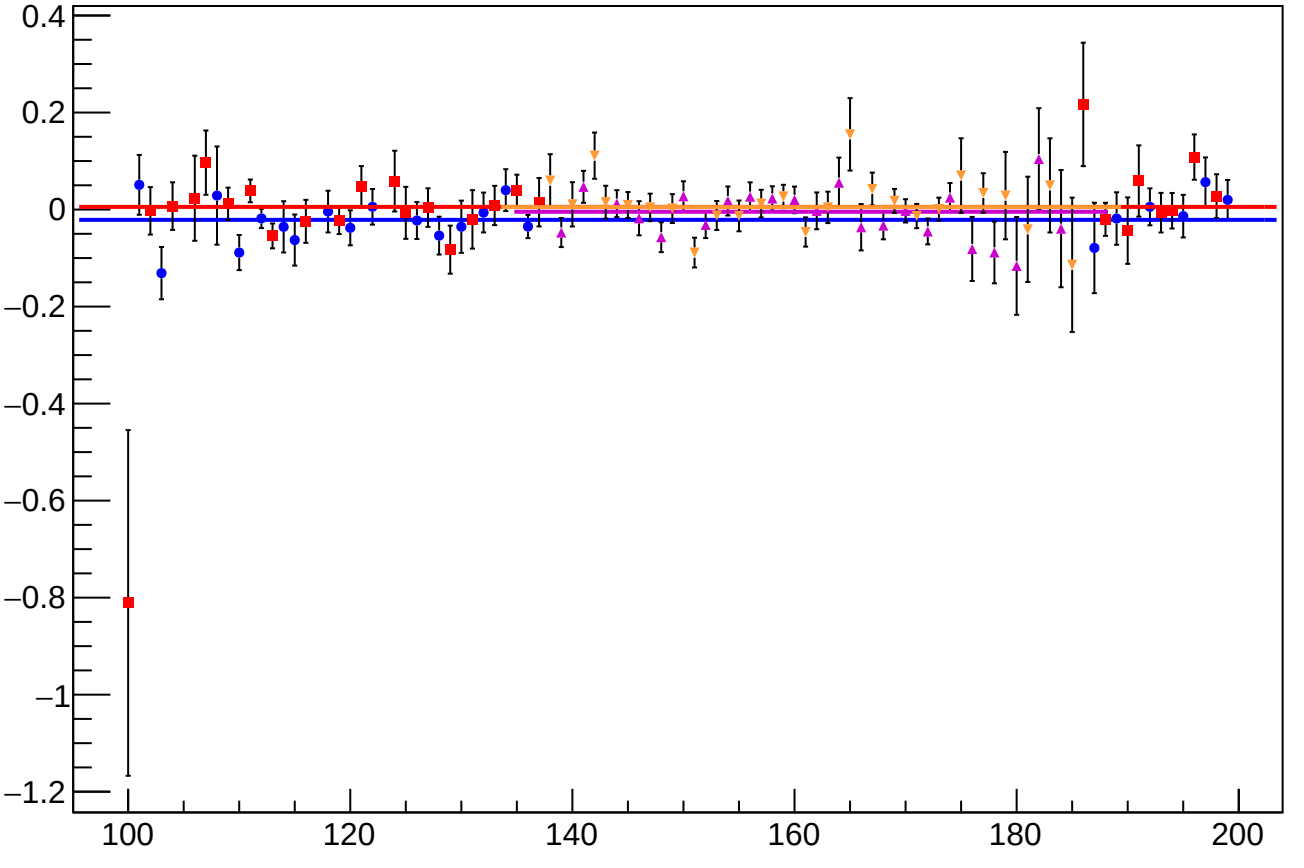
Right: 26.552+/-0.004 χ^2/NDF: 5124063.7/48

In: 26.972+/-0.004 χ^2/NDF:5418888.5/44

Out: 27.334+/-0.004 χ^2/NDF:6345684.3/51

All: 27.158+/-0.003 χ^2/NDF: 11769227.5/96

asym_sam_15_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.021+/-0.008 χ^2/NDF: 18.4/21

Left Out: 0.005+/-0.007 χ^2/NDF:28.4/24

Right Out: 0.005+/-0.008 χ^2/NDF: 31.8/26

Left In: -0.005+/-0.007 χ^2/NDF:25.1/22

Left: 0.000+/-0.005 χ^2/NDF: 54.5/47

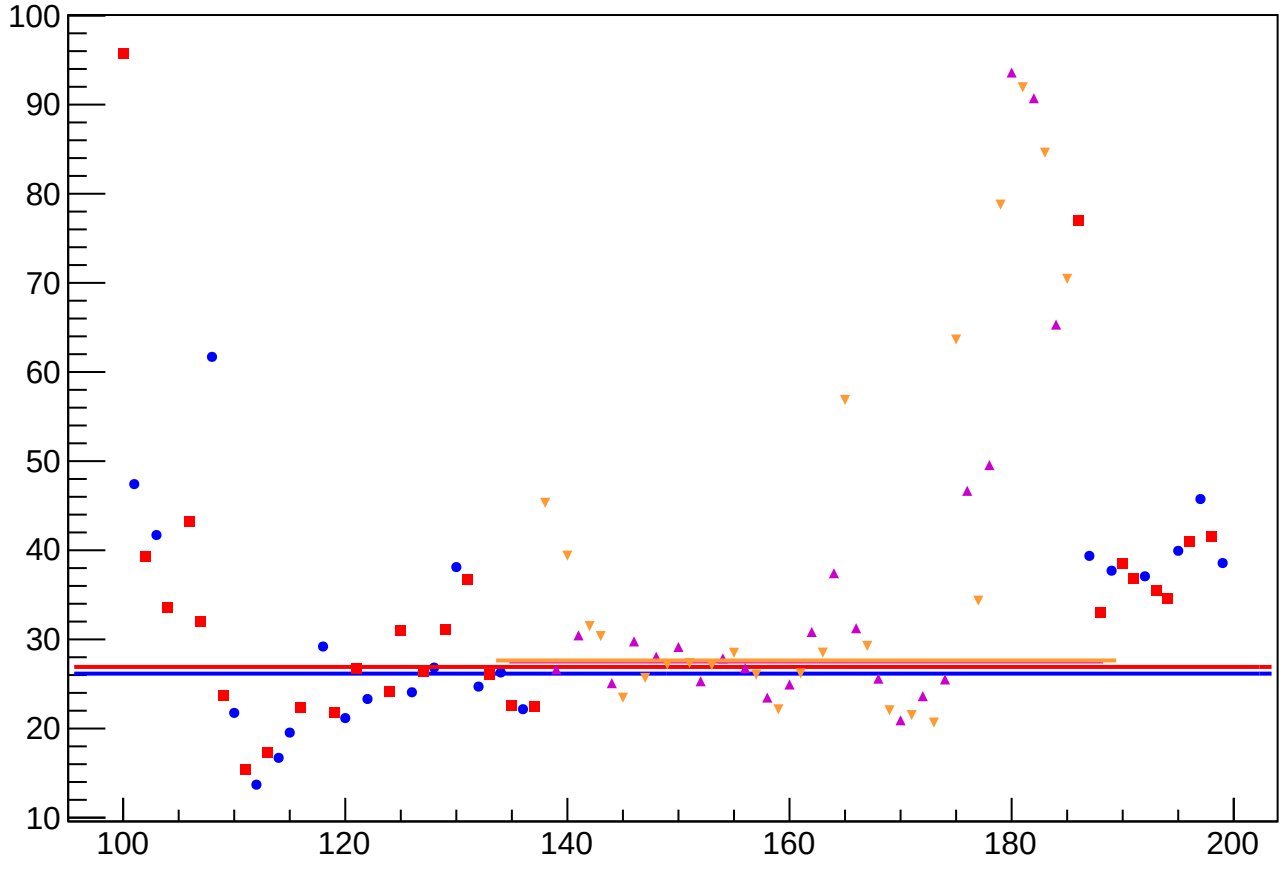
Right: -0.007+/-0.006 χ^2/NDF: 55.3/48

In: -0.011+/-0.005 χ^2/NDF:45.8/44

Out: 0.005+/-0.005 χ^2/NDF:60.2/51

All: -0.003+/-0.004 χ^2/NDF: 110.8/96

asym_sam_15_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 26.161+/-0.006 χ^2/NDF: 2753480.7/21

Left Out: 27.635+/-0.005 χ^2/NDF:3974025.3/24

Right Out: 26.912+/-0.006 χ^2/NDF: 2362374.5/26

Left In: 27.524+/-0.005 χ^2/NDF:2634508.8/22

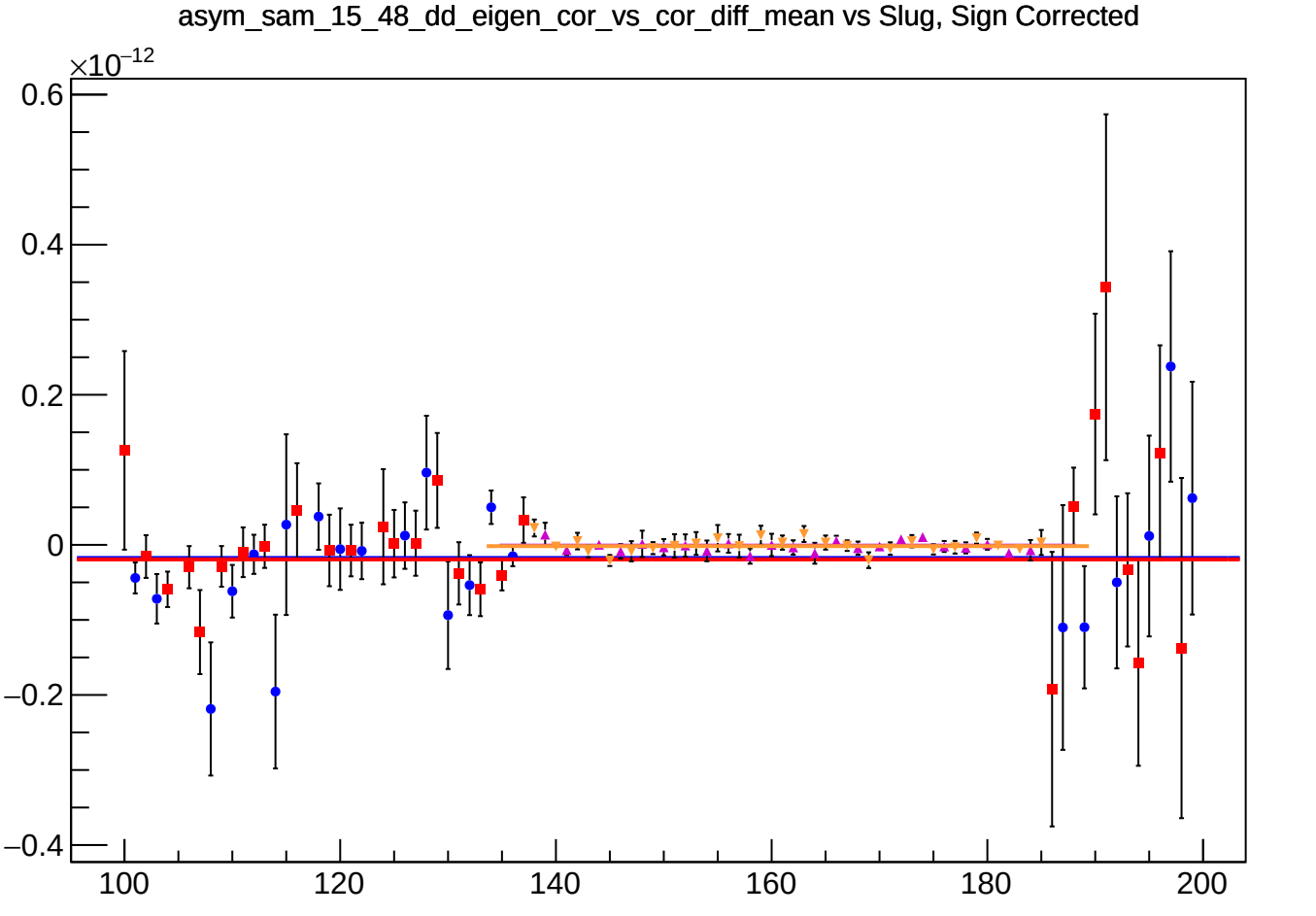
Left: 27.581+/-0.003 χ^2/NDF: 6608790.9/47

Right: 26.552+/-0.004 χ^2/NDF: 5124063.7/48

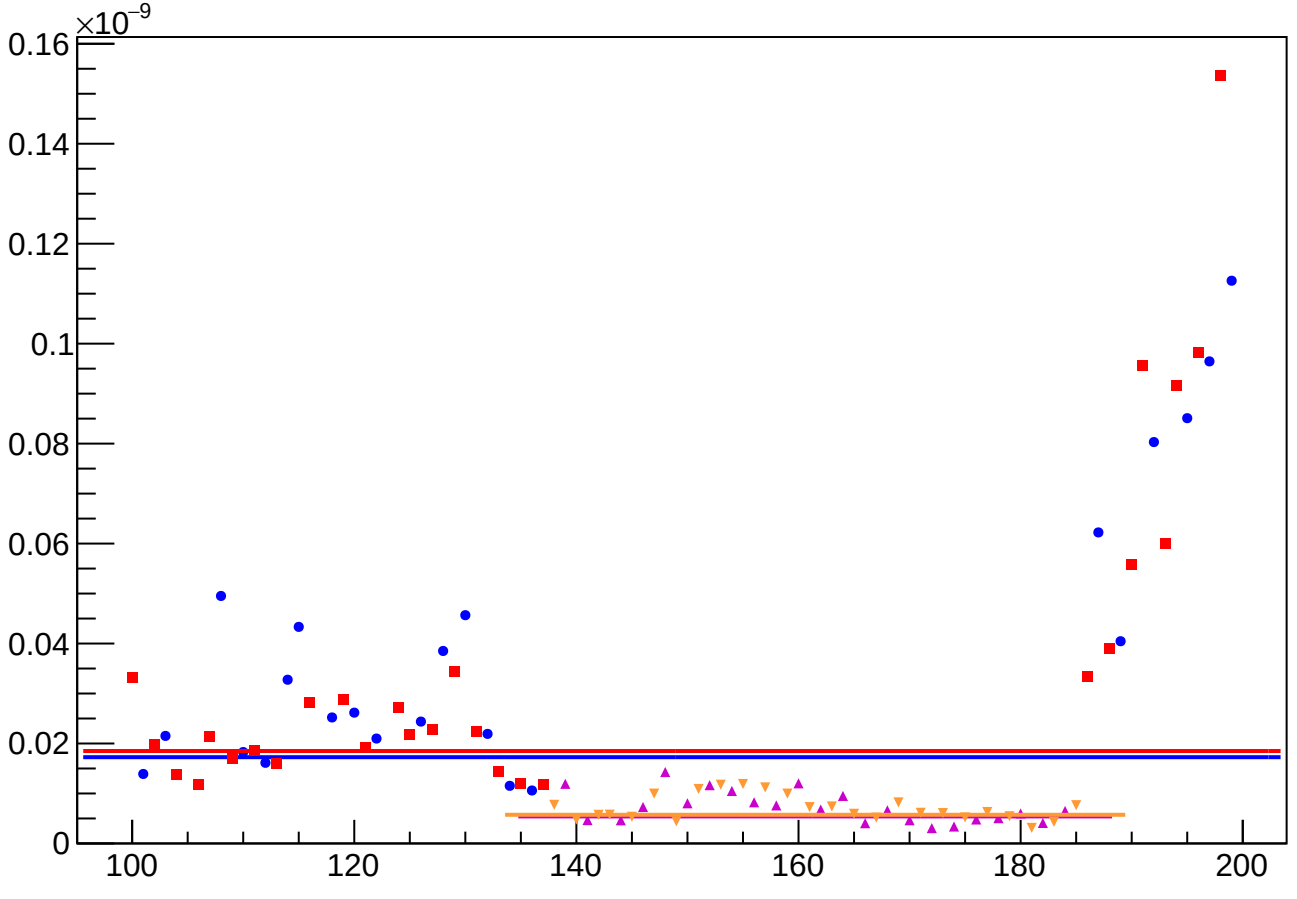
In: 26.972+/-0.004 χ^2/NDF:5418888.5/44

Out: 27.334+/-0.004 χ^2/NDF:6345684.3/51

All: 27.158+/-0.003 χ^2/NDF: 11769227.5/96


asym_sam_15_48_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.6
0.4
0.2
0
−0.2
−0.4
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 34.6/21
Left Out: -0.000+/-0.000 χ²/NDF:24.4/24
Right Out: -0.000+/-0.000 χ²/NDF: 27.7/26
Left In: -0.000+/-0.000 χ²/NDF:16.5/22
Left: -0.000+/-0.000 χ²/NDF: 41.0/47
Right: -0.000+/-0.000 χ²/NDF: 62.4/48
In: -0.000+/-0.000 χ²/NDF:55.5/44
Out: -0.000+/-0.000 χ²/NDF:57.1/51
All: -0.000+/-0.000 χ²/NDF: 112.8/96

asym_sam_15_48_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 4539589.8/21

Left Out: 0.000+/-0.000 χ^2/NDF:2645460.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3856867.4/26

Left In: 0.000+/-0.000 χ^2/NDF:3476696.9/22

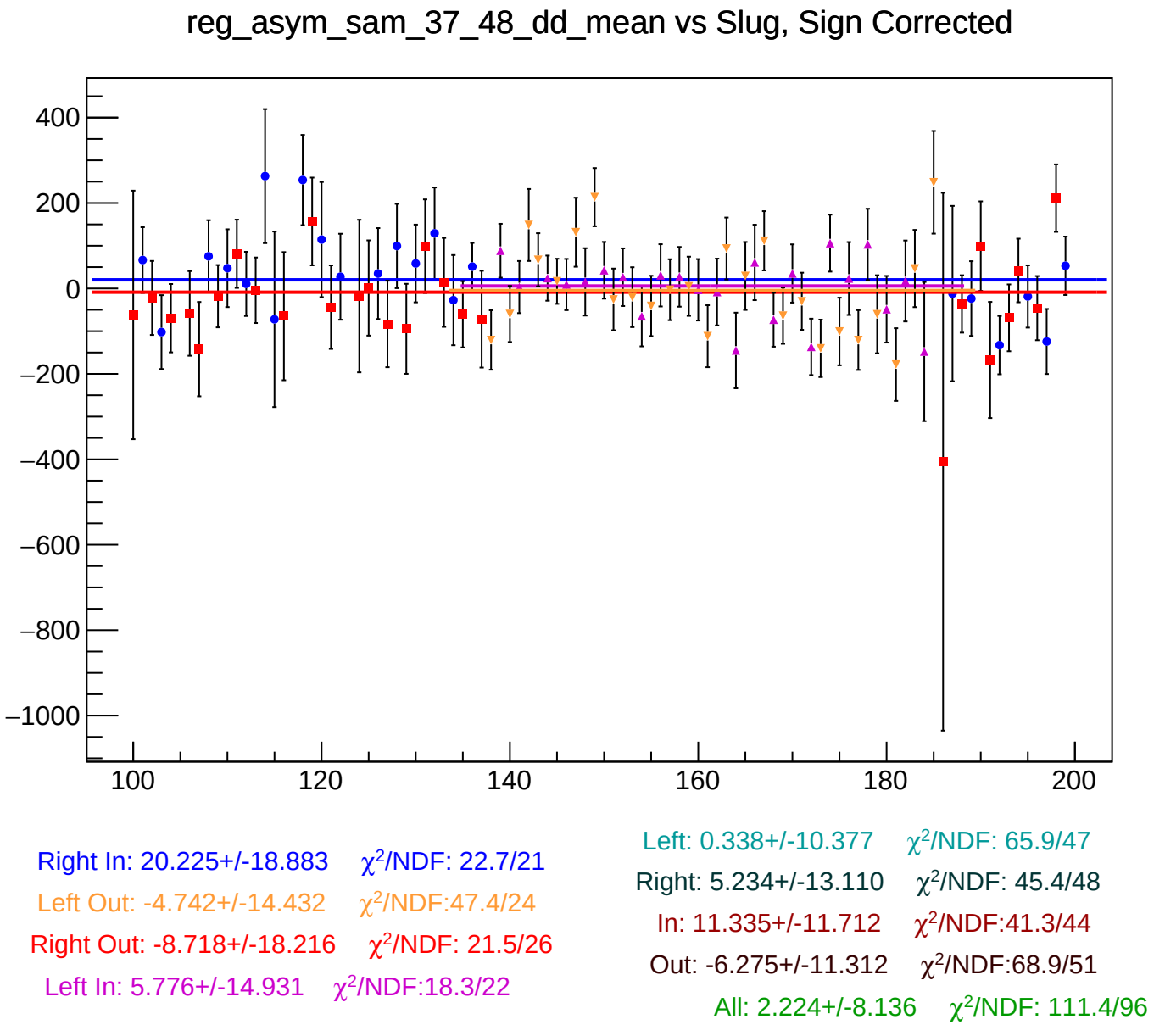
Left: 0.000+/-0.000 χ^2/NDF: 6159899.5/47

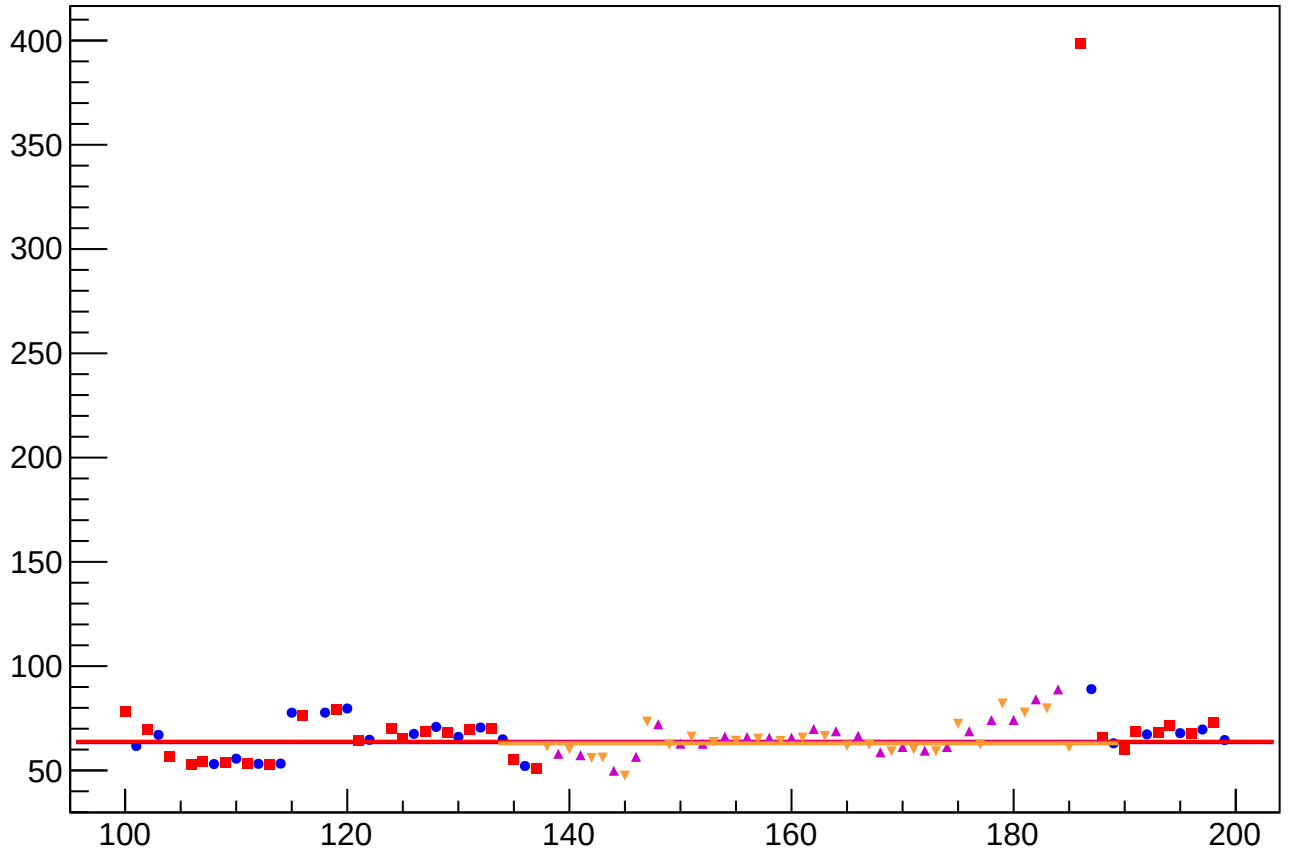
Right: 0.000+/-0.000 χ^2/NDF: 8422310.2/48

In: 0.000+/-0.000 χ^2/NDF:12562327.0/44

Out: 0.000+/-0.000 χ^2/NDF:11697159.8/51

All: 0.000+/-0.000 χ^2/NDF: 24308126.4/96


reg_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: 20.225+/-18.883 χ²/NDF: 22.7/21
Left Out: -4.742+/-14.432 χ²/NDF:47.4/24
Right Out: -8.718+/-18.216 χ²/NDF: 21.5/26
Left In: 5.776+/-14.931 χ²/NDF:18.3/22
Left: 0.338+/-10.377 χ²/NDF: 65.9/47
Right: 5.234+/-13.110 χ²/NDF: 45.4/48
In: 11.335+/-11.712 χ²/NDF:41.3/44
Out: -6.275+/-11.312 χ²/NDF:68.9/51
All: 2.224+/-8.136 χ²/NDF: 111.4/96



Right In: 63.522+/-0.013 χ^2/NDF: 337194.1/21

Left Out: 62.976+/-0.010 χ^2/NDF:526859.8/24

Right Out: 63.786+/-0.013 χ^2/NDF: 947787.0/26

Left In: 63.365+/-0.011 χ^2/NDF:496926.2/22

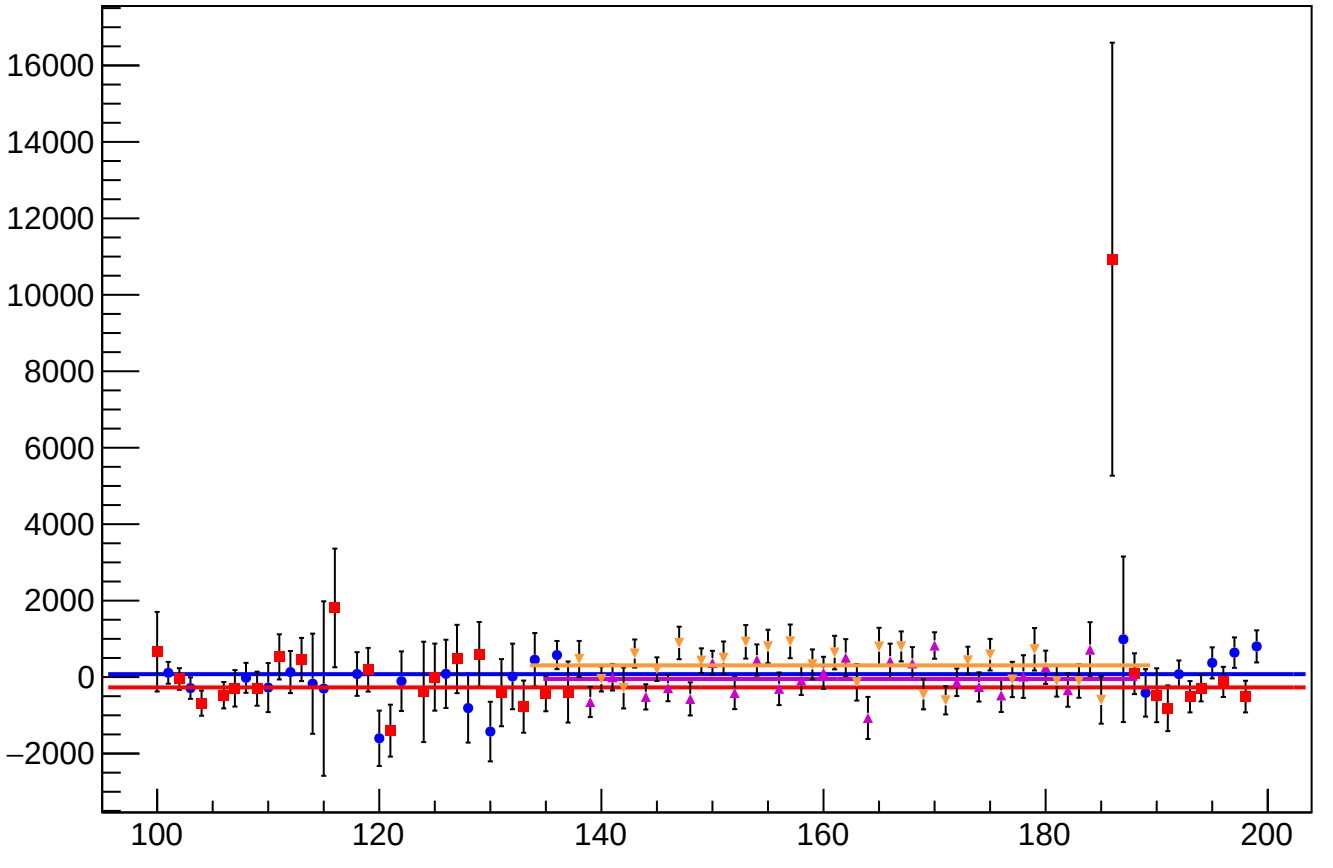
Left: 63.164+/-0.007 χ^2/NDF: 1024488.5/47

Right: 63.659+/-0.009 χ^2/NDF: 1285184.5/48

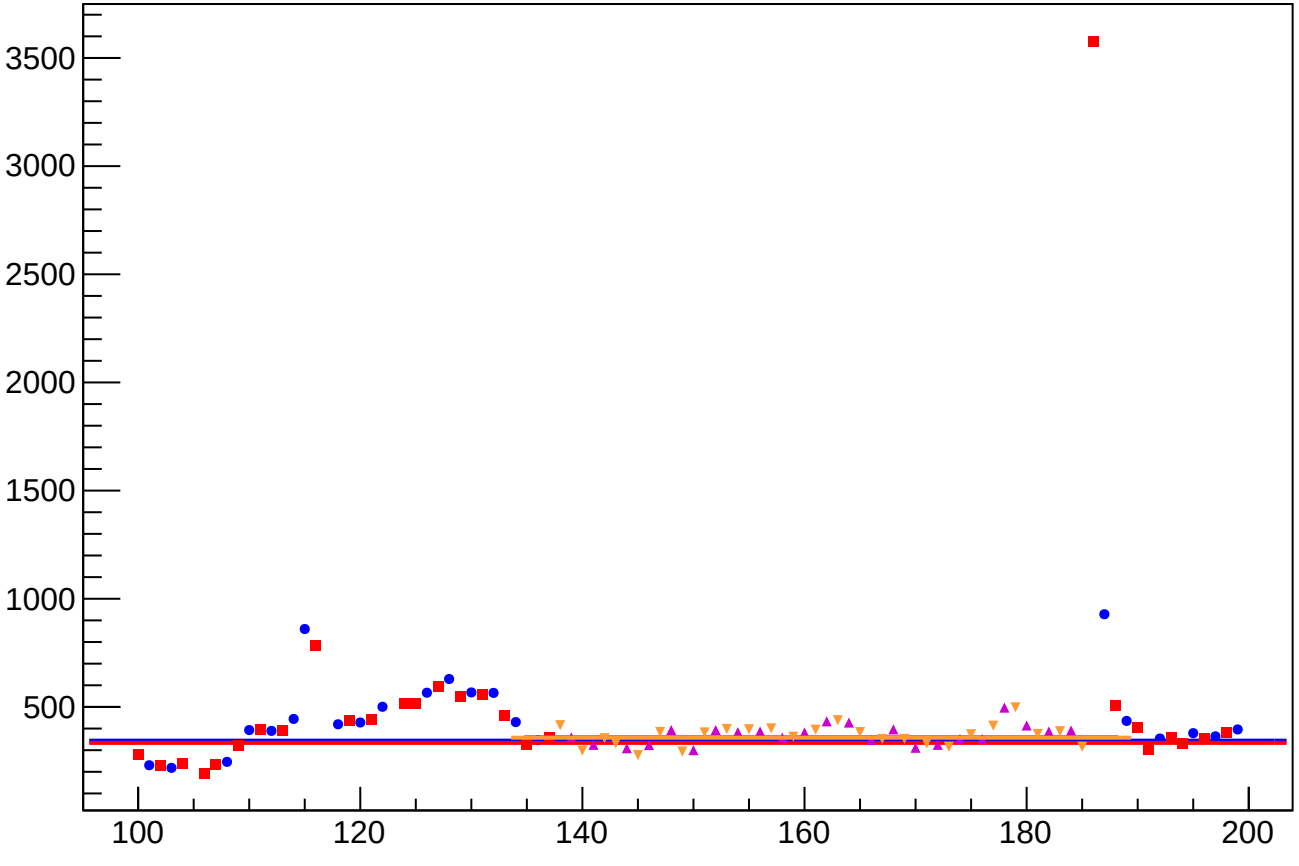
In: 63.425+/-0.008 χ^2/NDF:834204.5/44

Out: 63.289+/-0.008 χ^2/NDF:1477076.8/51

All: 63.355+/-0.006 χ^2/NDF: 2311422.9/96


asym_sam_37_48_dd_reg_correction_mean vs Slug, Sign Corrected
16000
14000
12000
10000
8000
6000
4000
2000
0
−2000
100
120
140
160
180
200
Right In: 76.913+/-106.583 χ²/NDF: 20.7/21
Left Out: 307.183+/-82.361 χ²/NDF:30.6/24
Right Out: -269.785+/-99.382 χ²/NDF: 20.7/26
Left In: -50.030+/-84.838 χ²/NDF:27.3/22
Left: 133.867+/-59.094 χ²/NDF: 67.0/47
Right: -108.543+/-72.686 χ²/NDF: 47.1/48
In: -0.795+/-66.377 χ²/NDF:48.8/44
Out: 72.264+/-63.415 χ²/NDF:71.3/51
All: 37.401+/-45.853 χ²/NDF: 120.8/96

asym_sam_37_48_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 344.072+/-0.075 χ^2/NDF: 2012453.7/21

Left Out: 357.731+/-0.058 χ^2/NDF:683730.4/24

Right Out: 333.728+/-0.070 χ^2/NDF: 2778348.4/26

Left In: 359.350+/-0.060 χ^2/NDF:519759.9/22

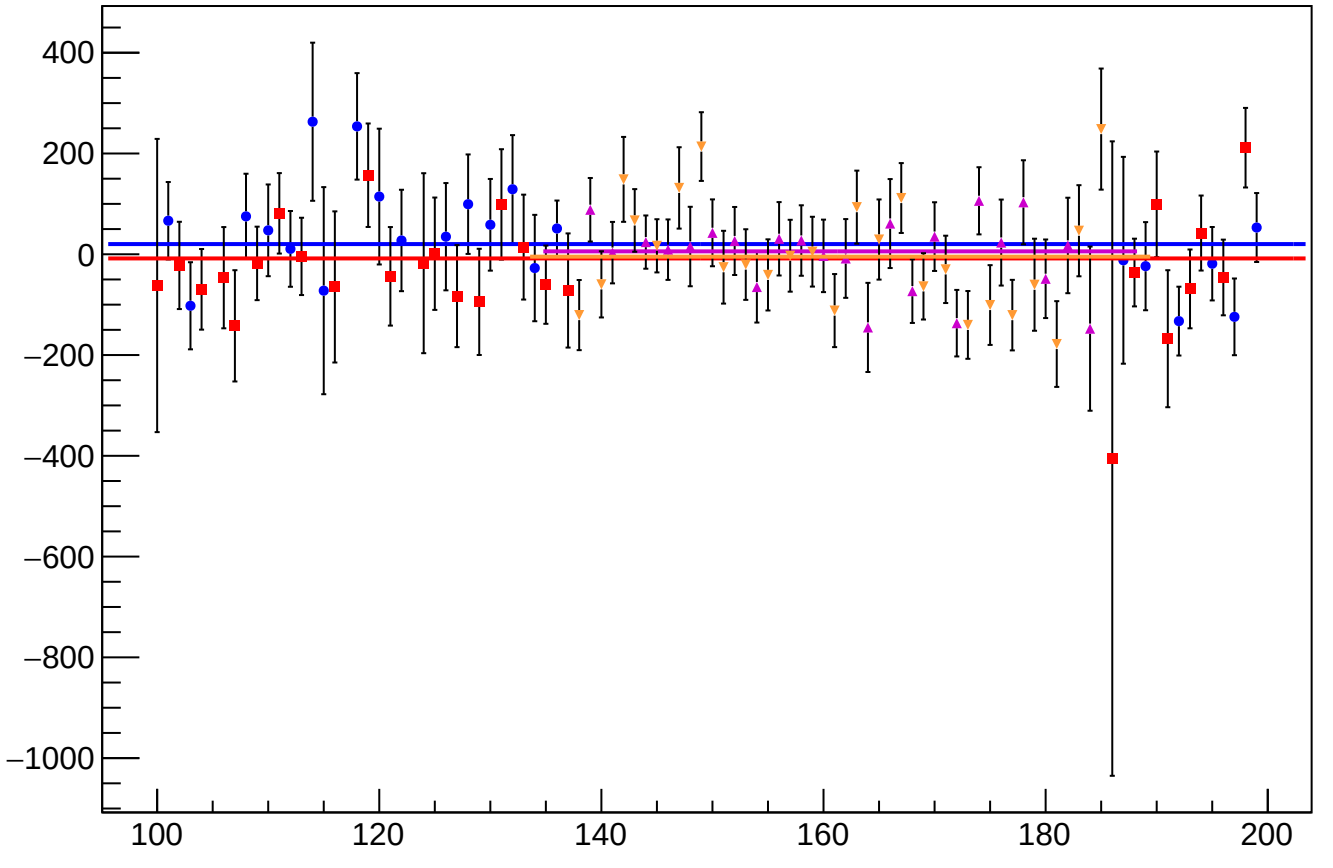
Left: 358.517+/-0.042 χ^2/NDF: 1203865.1/47

Right: 338.539+/-0.051 χ^2/NDF: 4800879.0/48

In: 353.424+/-0.047 χ^2/NDF:2557369.4/44

Out: 347.958+/-0.045 χ^2/NDF:3531245.5/51

All: 350.567+/-0.032 χ^2/NDF: 6095706.1/96



Right In: 20.219+/-18.883 χ^2/NDF: 22.7/21

Left Out: -4.748+/-14.432 χ^2/NDF:47.4/24

Right Out: -8.277+/-18.225 χ^2/NDF: 21.4/26

Left In: 5.775+/-14.931 χ^2/NDF:18.3/22

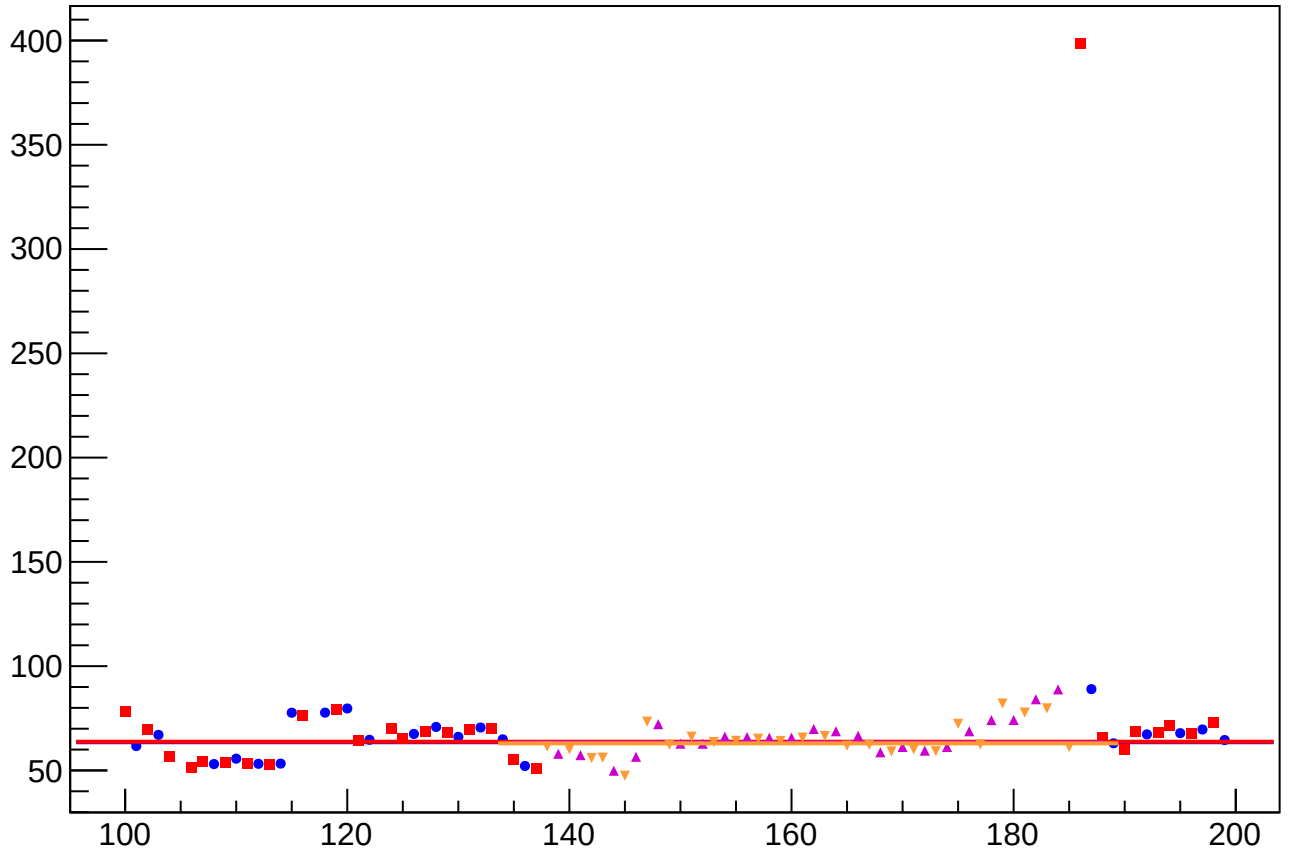
Left: 0.335+/-10.377 χ^2/NDF: 65.9/47

Right: 5.466+/-13.113 χ^2/NDF: 45.3/48

In: 11.332+/-11.712 χ^2/NDF:41.3/44

Out: -6.108+/-11.314 χ^2/NDF:68.8/51

All: 2.311+/-8.137 χ^2/NDF: 111.3/96



Right In: 63.522+/-0.013 χ^2/NDF: 337194.2/21

Left Out: 62.976+/-0.010 χ^2/NDF:526859.8/24

Right Out: 63.762+/-0.013 χ^2/NDF: 952043.4/26

Left In: 63.365+/-0.011 χ^2/NDF:496926.2/22

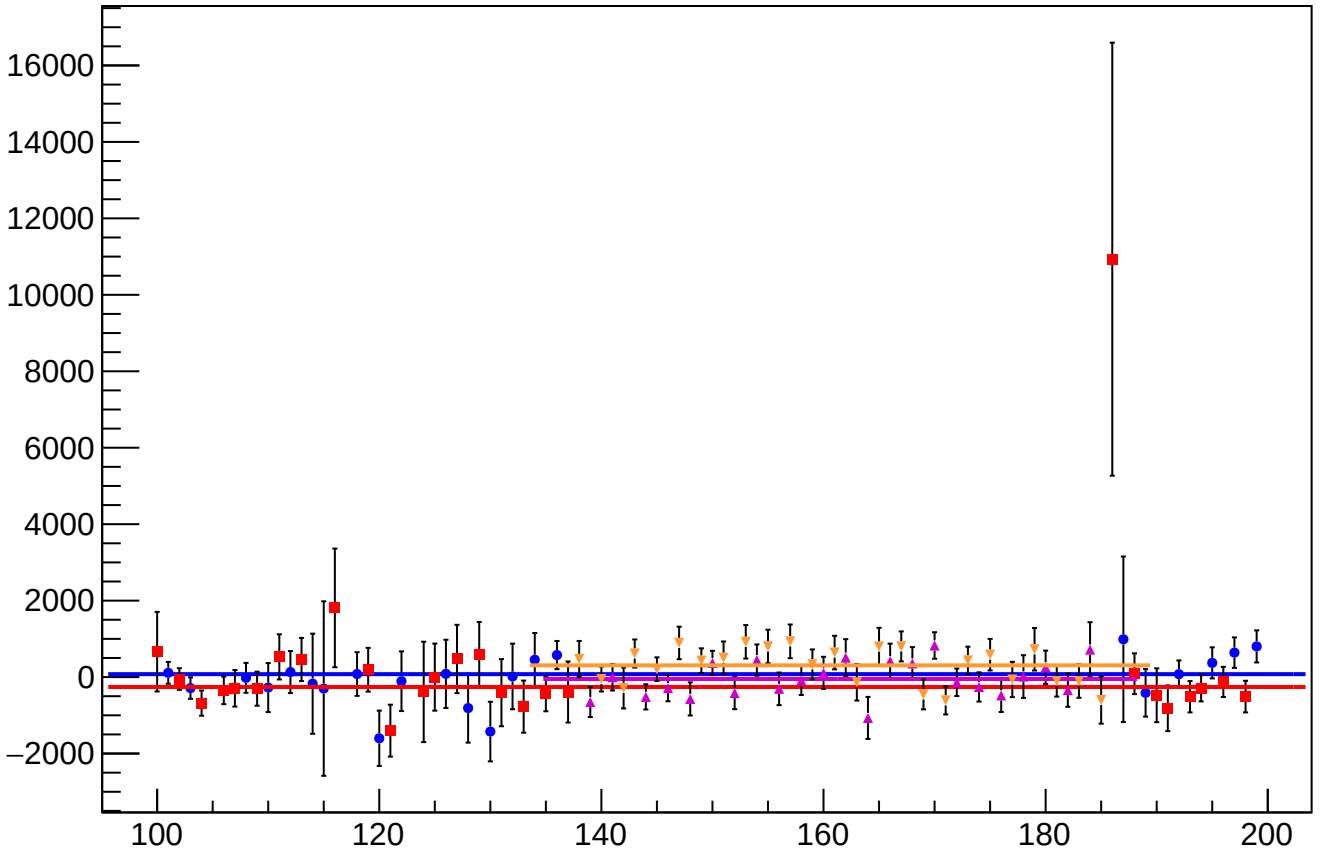
Left: 63.164+/-0.007 χ^2/NDF: 1024488.6/47

Right: 63.646+/-0.009 χ^2/NDF: 1289405.9/48

In: 63.425+/-0.008 χ^2/NDF:834204.7/44

Out: 63.279+/-0.008 χ^2/NDF:1481190.7/51

All: 63.350+/-0.006 χ^2/NDF: 2315556.9/96



Right In: 76.923+/-106.583 χ^2/NDF: 20.7/21

Left Out: 307.177+/-82.361 χ^2/NDF:30.6/24

Right Out: -258.779+/-99.752 χ^2/NDF: 20.4/26

Left In: -50.029+/-84.838 χ^2/NDF:27.3/22

Left: 133.864+/-59.094 χ^2/NDF: 67.0/47

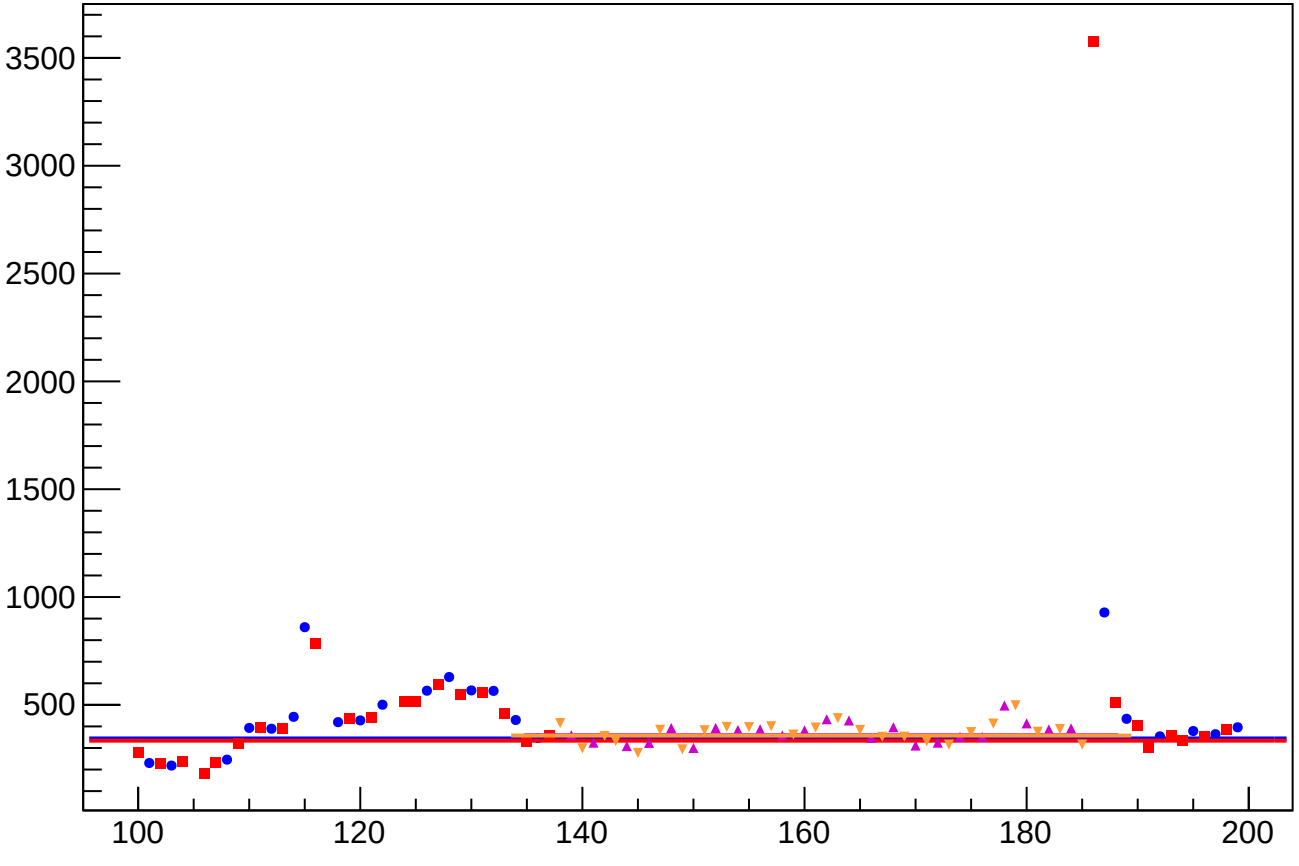
Right: -102.030+/-72.831 χ^2/NDF: 46.4/48

In: -0.791+/-66.377 χ^2/NDF:48.8/44

Out: 77.756+/-63.511 χ^2/NDF:70.2/51

All: 40.216+/-45.889 χ^2/NDF: 119.7/96

asym_sam_37_48_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 344.074+/-0.075 χ^2/NDF: 2012379.0/21

Left Out: 357.732+/-0.058 χ^2/NDF:683726.4/24

Right Out: 334.001+/-0.071 χ^2/NDF: 2795171.7/26

Left In: 359.350+/-0.060 χ^2/NDF:519762.7/22

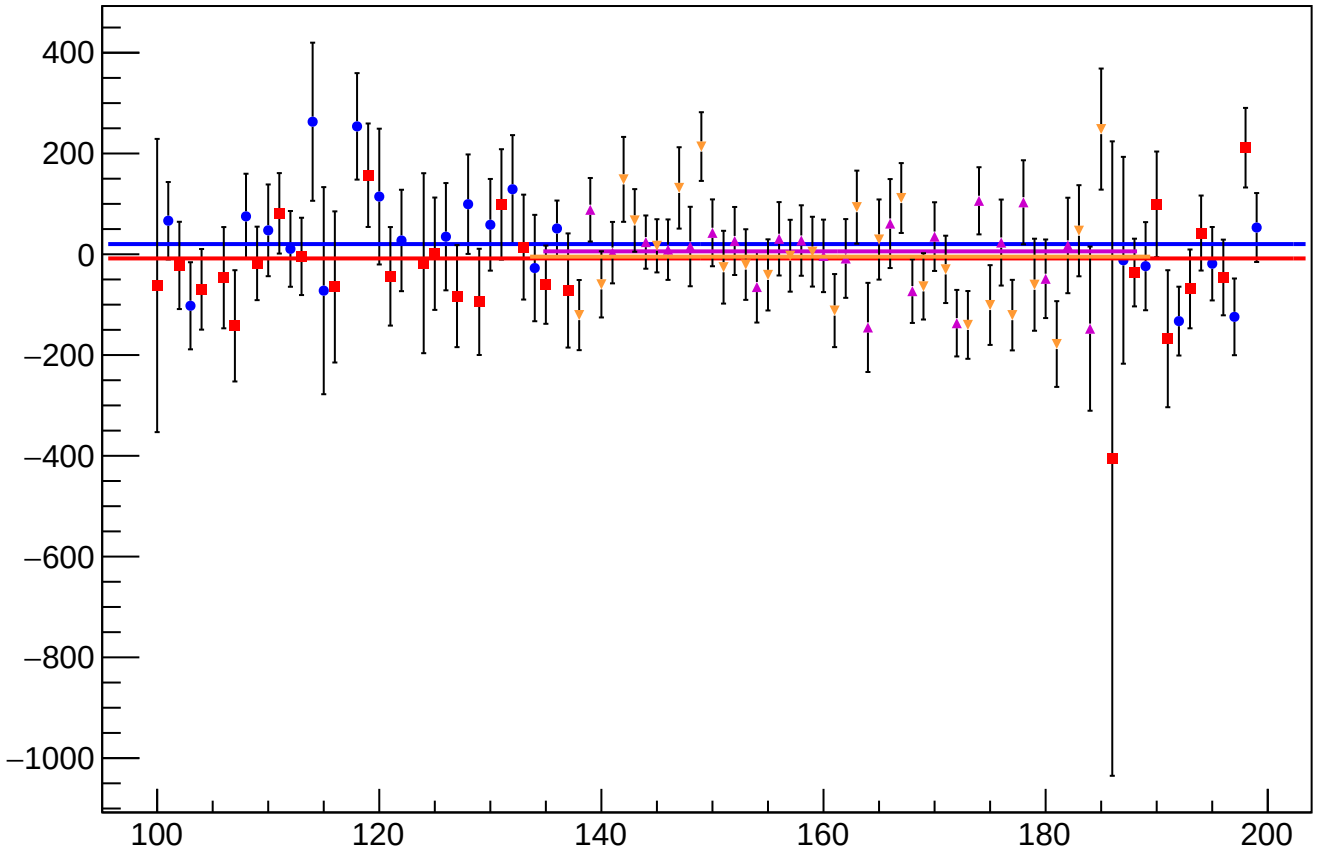
Left: 358.517+/-0.042 χ^2/NDF: 1203863.9/47

Right: 338.704+/-0.051 χ^2/NDF: 4817073.4/48

In: 353.425+/-0.047 χ^2/NDF:2557290.8/44

Out: 348.112+/-0.045 χ^2/NDF:3546203.0/51

All: 350.651+/-0.032 χ^2/NDF: 6110184.0/96



Right In: 20.219+/-18.883 χ^2/NDF: 22.7/21

Left Out: -4.748+/-14.432 χ^2/NDF:47.4/24

Right Out: -8.277+/-18.225 χ^2/NDF: 21.4/26

Left In: 5.775+/-14.931 χ^2/NDF:18.3/22

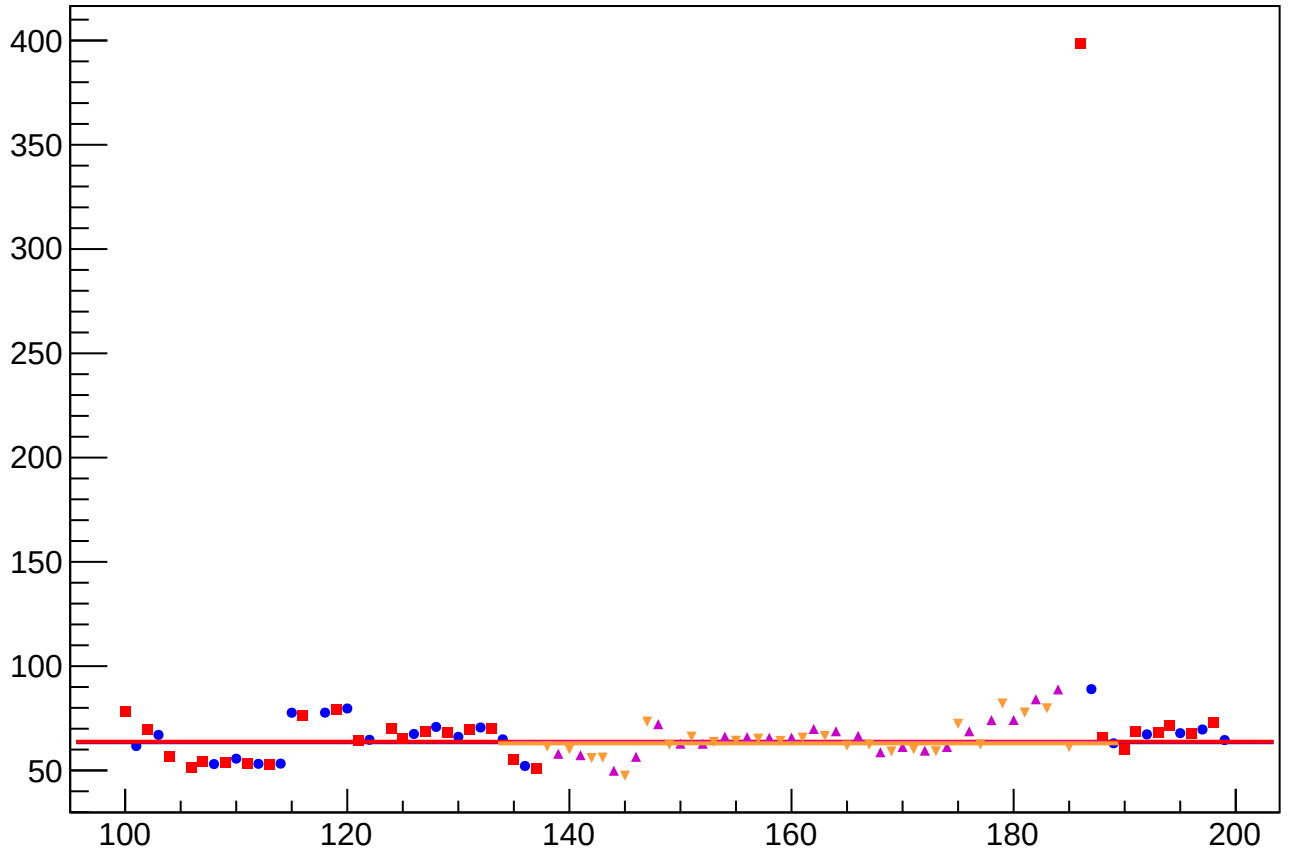
Left: 0.335+/-10.377 χ^2/NDF: 65.9/47

Right: 5.466+/-13.113 χ^2/NDF: 45.3/48

In: 11.332+/-11.712 χ^2/NDF:41.3/44

Out: -6.108+/-11.314 χ^2/NDF:68.8/51

All: 2.311+/-8.137 χ^2/NDF: 111.3/96



Right In: 63.522+/-0.013 χ^2/NDF: 337194.2/21

Left Out: 62.976+/-0.010 χ^2/NDF:526859.8/24

Right Out: 63.762+/-0.013 χ^2/NDF: 952043.4/26

Left In: 63.365+/-0.011 χ^2/NDF:496926.2/22

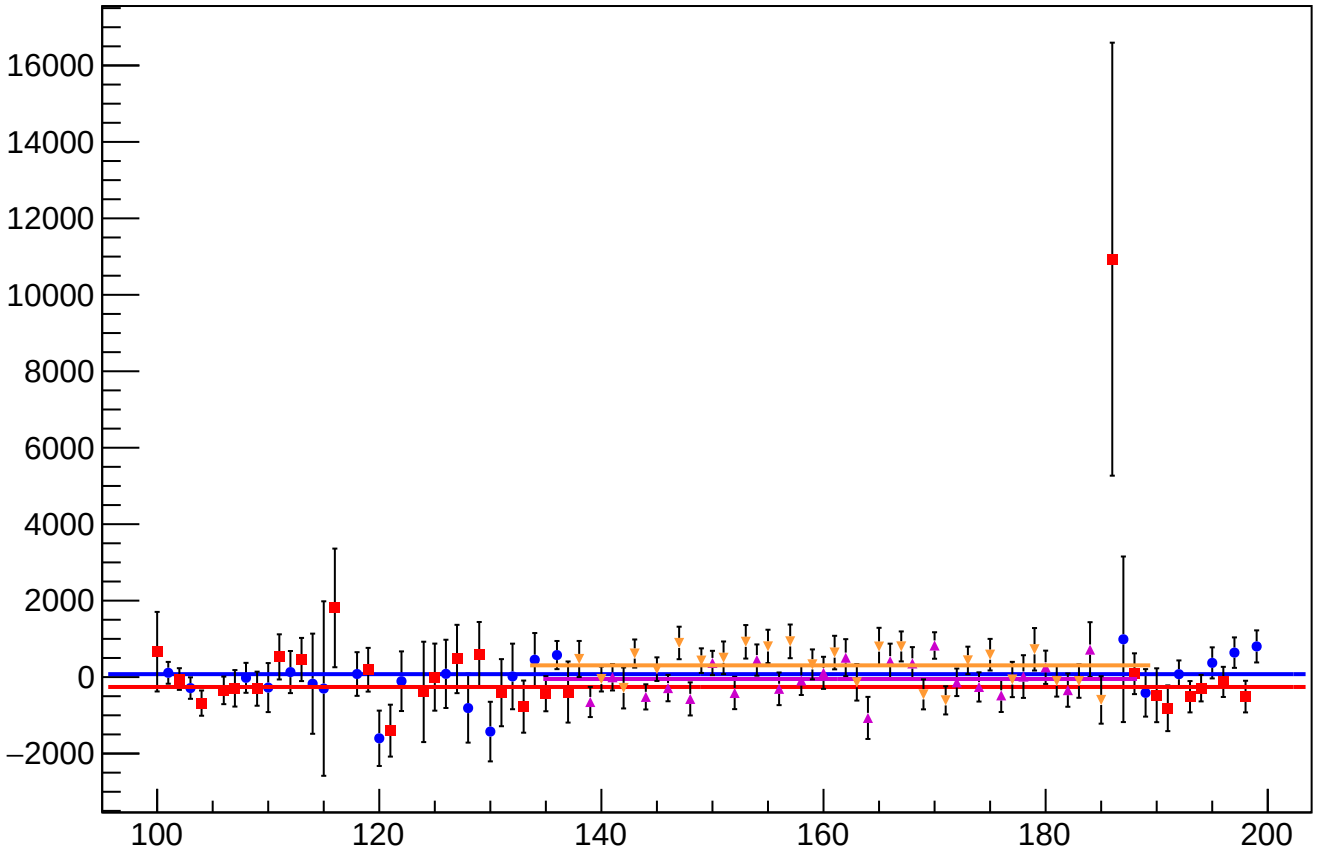
Left: 63.164+/-0.007 χ^2/NDF: 1024488.6/47

Right: 63.646+/-0.009 χ^2/NDF: 1289405.9/48

In: 63.425+/-0.008 χ^2/NDF:834204.7/44

Out: 63.279+/-0.008 χ^2/NDF:1481190.7/51

All: 63.350+/-0.006 χ^2/NDF: 2315556.9/96



Right In: 76.923+/-106.583 χ^2/NDF: 20.7/21

Left Out: 307.177+/-82.361 χ^2/NDF:30.6/24

Right Out: -258.779+/-99.752 χ^2/NDF: 20.4/26

Left In: -50.029+/-84.838 χ^2/NDF:27.3/22

Left: 133.864+/-59.094 χ^2/NDF: 67.0/47

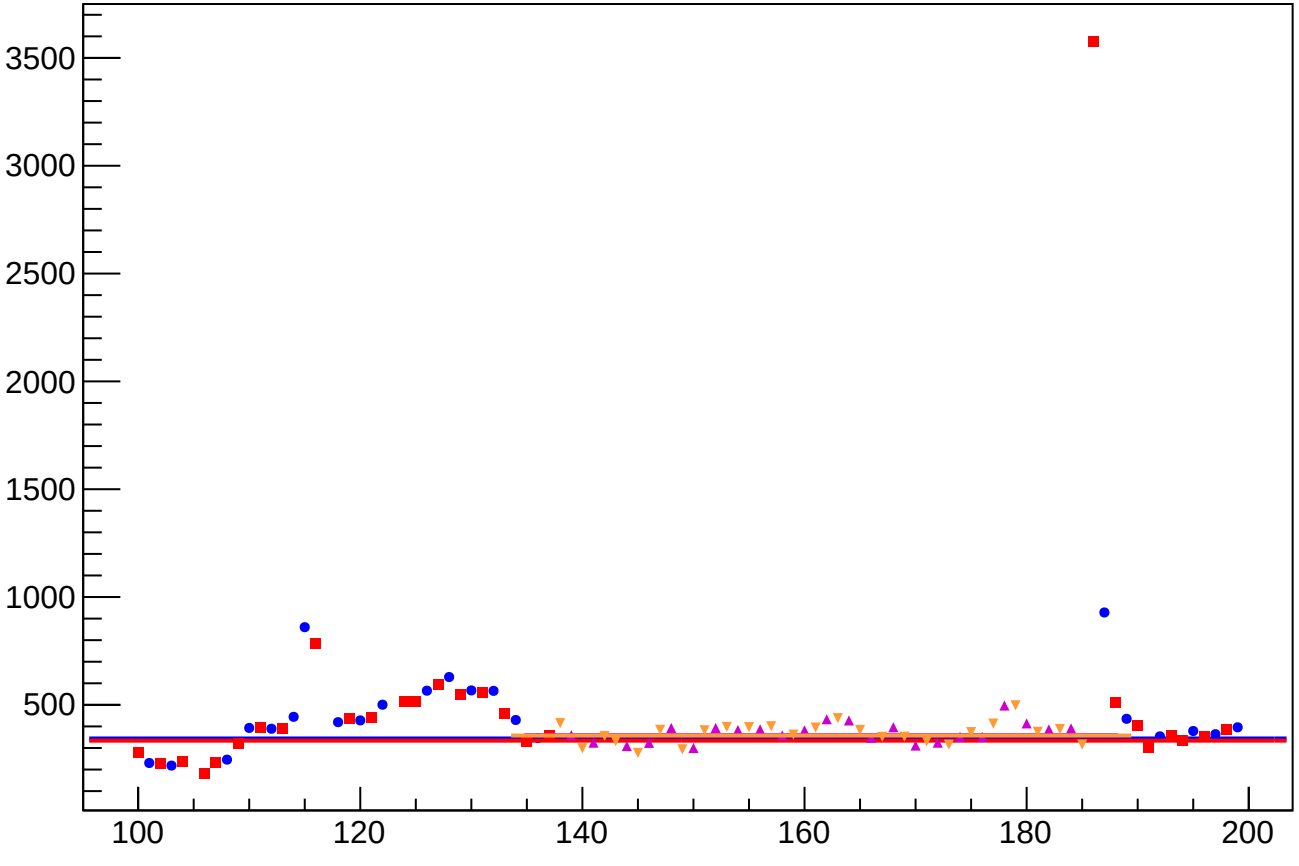
Right: -102.030+/-72.831 χ^2/NDF: 46.4/48

In: -0.791+/-66.377 χ^2/NDF:48.8/44

Out: 77.756+/-63.511 χ^2/NDF:70.2/51

All: 40.216+/-45.889 χ^2/NDF: 119.7/96

asym_sam_37_48_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 344.074+/-0.075 χ^2/NDF: 2012379.0/21

Left Out: 357.732+/-0.058 χ^2/NDF:683726.4/24

Right Out: 334.001+/-0.071 χ^2/NDF: 2795171.7/26

Left In: 359.350+/-0.060 χ^2/NDF:519762.7/22

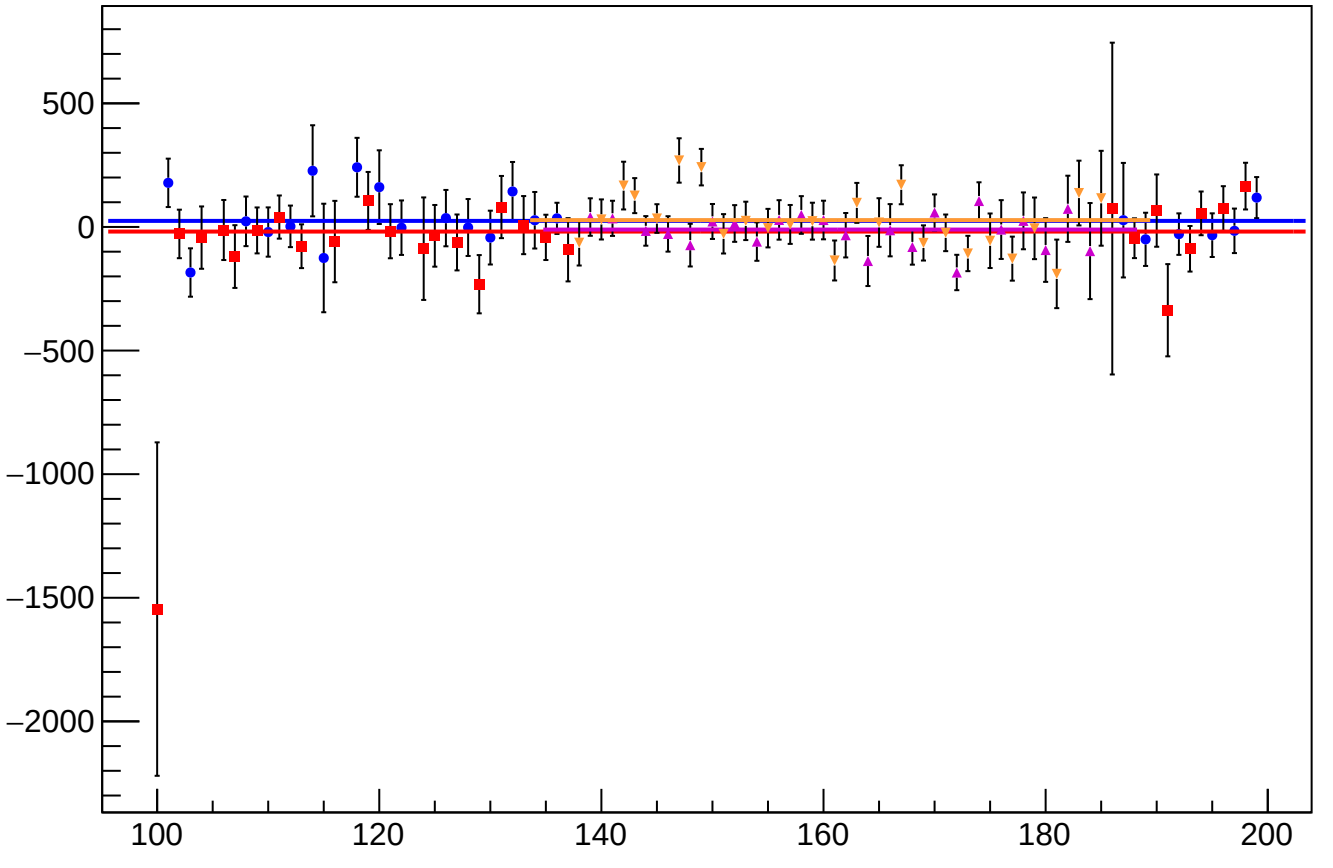
Left: 358.517+/-0.042 χ^2/NDF: 1203863.9/47

Right: 338.704+/-0.051 χ^2/NDF: 4817073.4/48

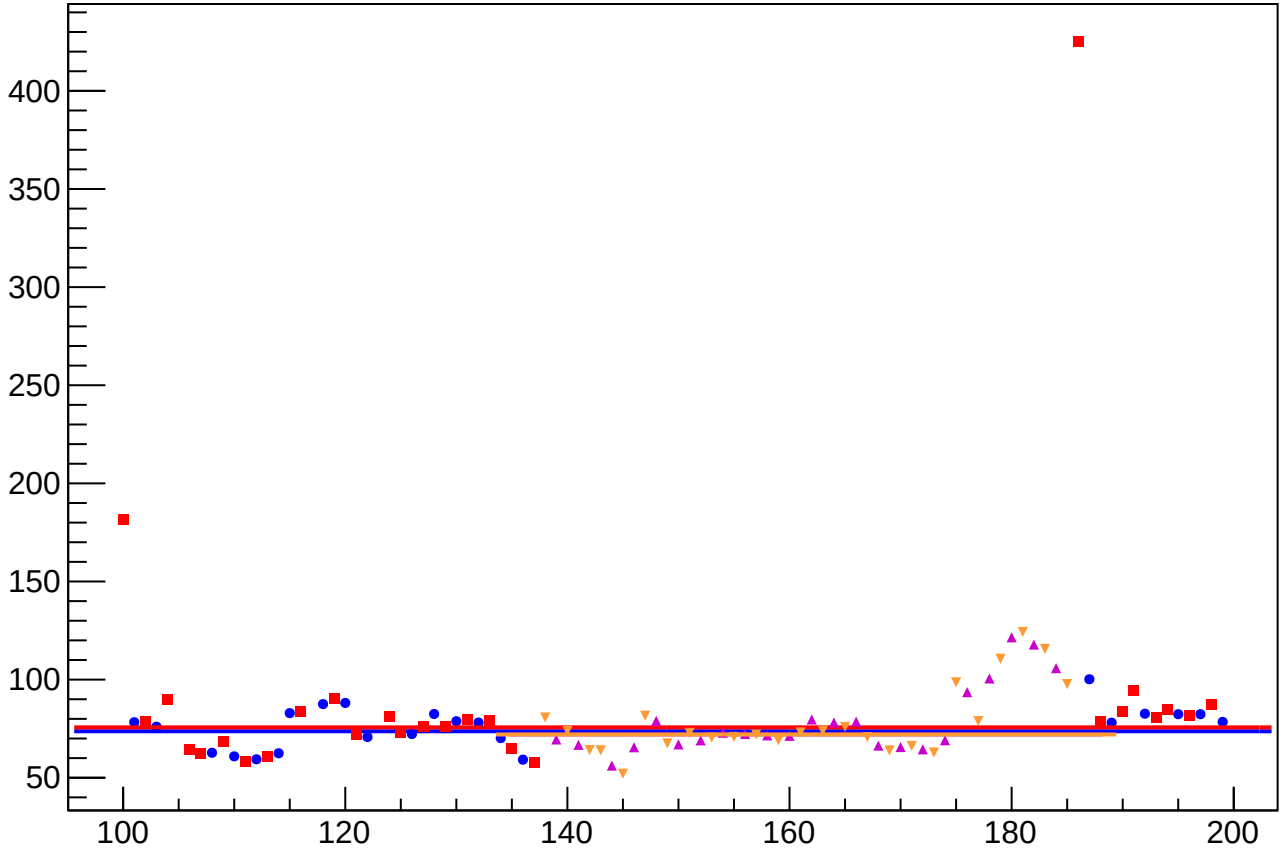
In: 353.425+/-0.047 χ^2/NDF:2557290.8/44

Out: 348.112+/-0.045 χ^2/NDF:3546203.0/51

All: 350.651+/-0.032 χ^2/NDF: 6110184.0/96


dit_asym_sam_37_48_dd_mean vs Slug, Sign Corrected
500
0
−500
−1000
−1500
−2000
100
120
140
160
180
200
Right In: 24.530+/-21.946 χ²/NDF: 17.4/21
Left Out: 27.627+/-16.742 χ²/NDF:42.4/24
Right Out: -18.623+/-21.658 χ²/NDF: 22.0/26
Left In: -10.521+/-17.225 χ²/NDF:16.1/22
Left: 9.095+/-12.006 χ²/NDF: 60.9/47
Right: 2.668+/-15.415 χ²/NDF: 41.4/48
In: 2.841+/-13.550 χ²/NDF:35.1/44
Out: 10.327+/-13.246 χ²/NDF:67.2/51
All: 6.669+/-9.472 χ²/NDF: 102.5/96

dit_asym_sam_37_48_dd_rms vs Slug, Sign Corrected



Right In: 73.674+/-0.016 χ^2/NDF: 401507.5/21

Left Out: 72.041+/-0.012 χ^2/NDF:1269471.8/24

Right Out: 75.677+/-0.015 χ^2/NDF: 1013280.0/26

Left In: 72.092+/-0.012 χ^2/NDF:1058857.2/22

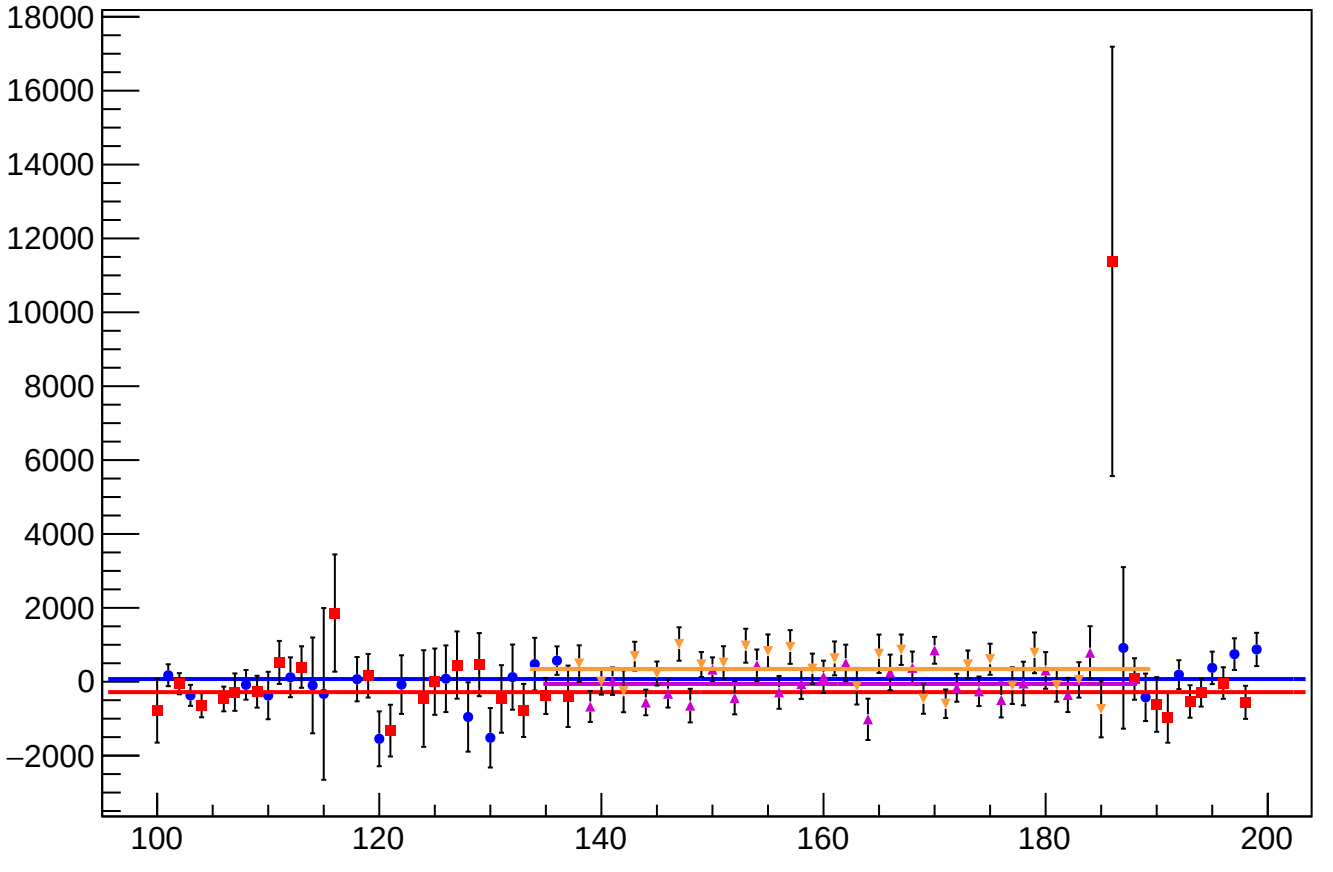
Left: 72.066+/-0.008 χ^2/NDF: 2328338.2/47

Right: 74.688+/-0.011 χ^2/NDF: 1423227.9/48

In: 72.695+/-0.010 χ^2/NDF:1466792.6/44

Out: 73.401+/-0.009 χ^2/NDF:2318037.6/51

All: 73.056+/-0.007 χ^2/NDF: 3787604.4/96



Right In: 72.583+/-110.881 χ^2/NDF: 22.0/21

Left Out: 345.973+/-86.822 χ^2/NDF:28.9/24

Right Out: -281.607+/-102.218 χ^2/NDF: 19.2/26

Left In: -59.908+/-89.411 χ^2/NDF:25.8/22

Left: 148.994+/-62.288 χ^2/NDF: 65.4/47

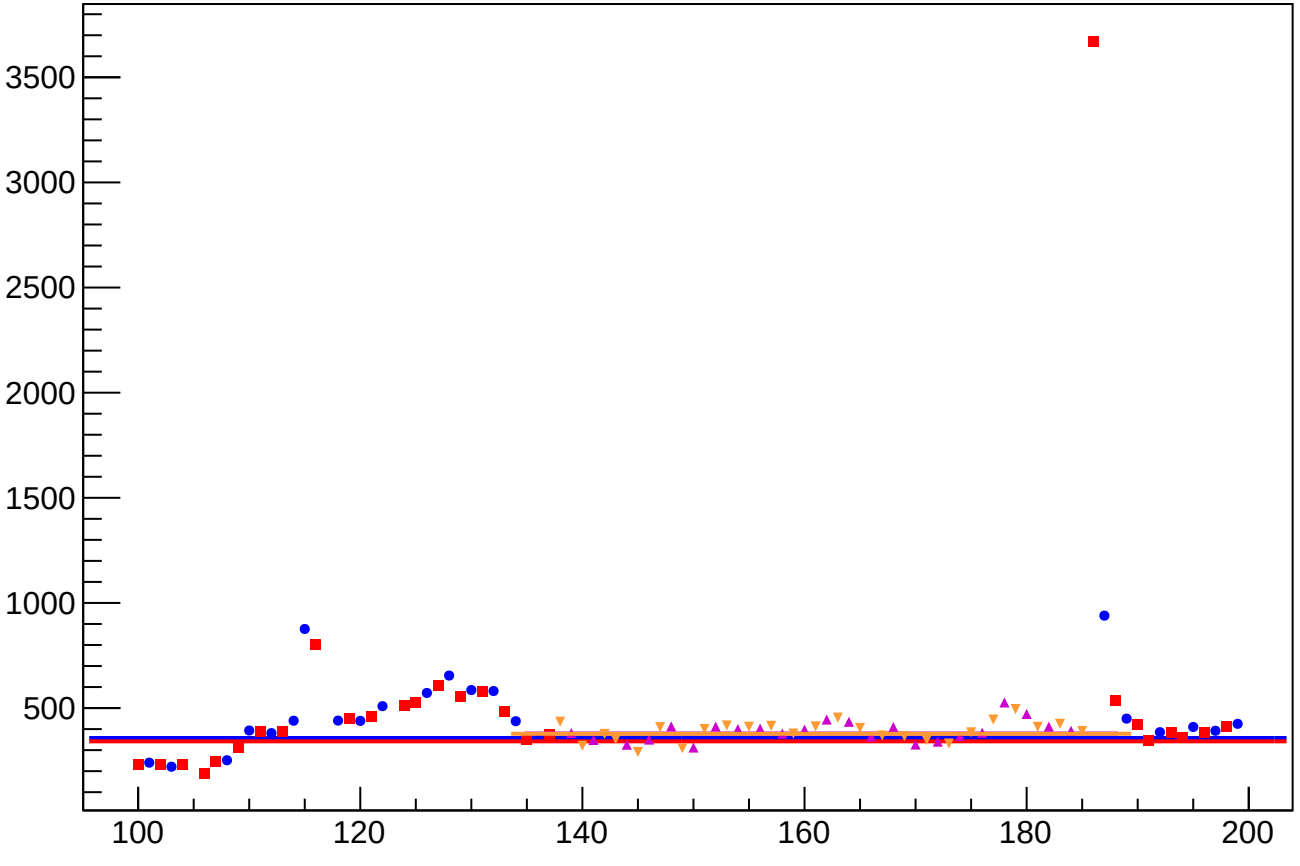
Right: -118.888+/-75.155 χ^2/NDF: 46.8/48

In: -7.704+/-69.602 χ^2/NDF:48.8/44

Out: 82.957+/-66.173 χ^2/NDF:70.1/51

All: 39.914+/-47.958 χ^2/NDF: 119.7/96

asym_sam_37_48_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 357.662+/-0.078 χ^2/NDF: 2070587.9/21

Left Out: 377.797+/-0.061 χ^2/NDF:636714.9/24

Right Out: 341.760+/-0.072 χ^2/NDF: 3026863.6/26

Left In: 378.869+/-0.063 χ^2/NDF:527685.1/22

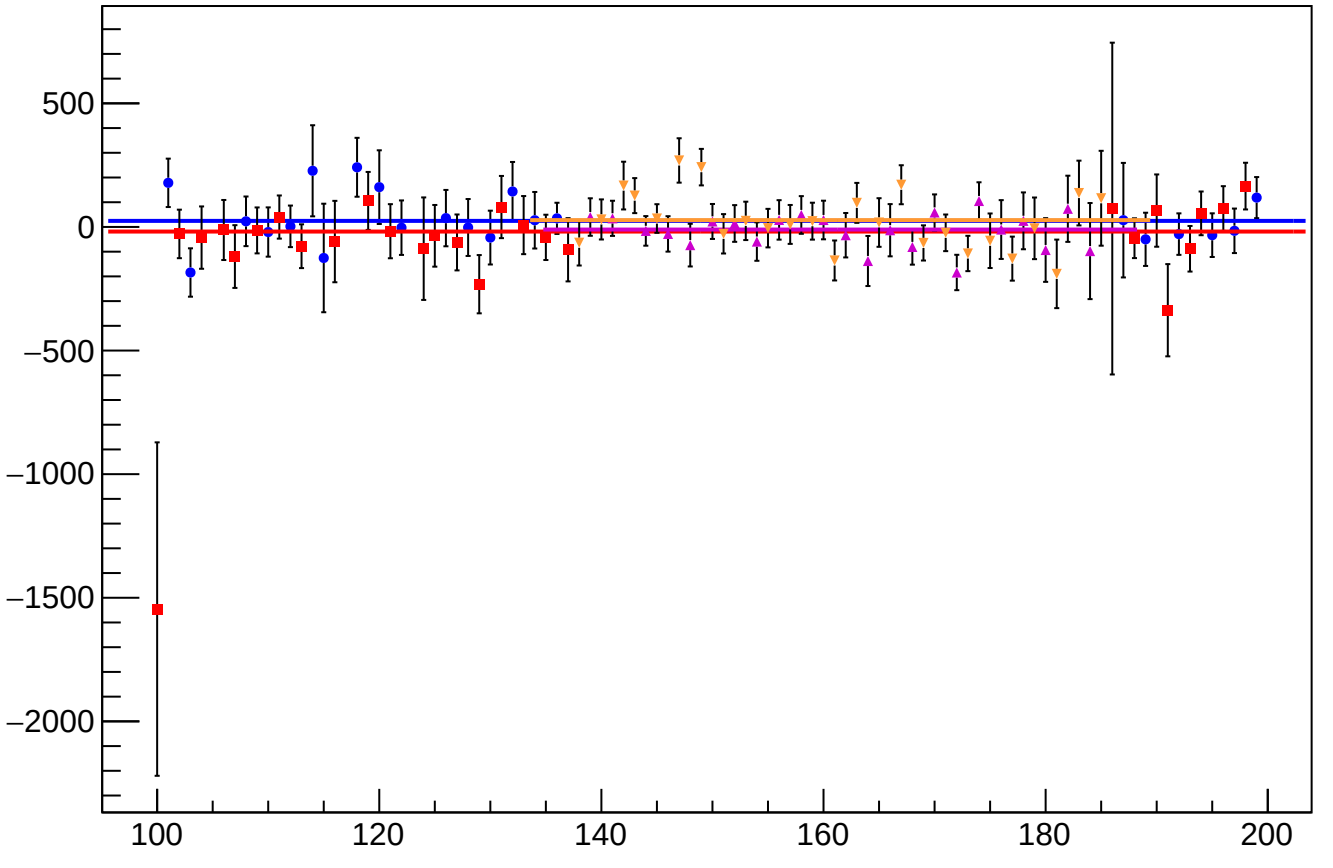
Left: 378.317+/-0.044 χ^2/NDF: 1164548.1/47

Right: 349.066+/-0.053 χ^2/NDF: 5119688.5/48

In: 370.513+/-0.049 χ^2/NDF:2642606.8/44

Out: 362.694+/-0.047 χ^2/NDF:3807978.7/51

All: 366.406+/-0.034 χ^2/NDF: 6463843.1/96



Right In: 24.530+/-21.946 χ^2/NDF: 17.4/21

Left Out: 27.626+/-16.742 χ^2/NDF:42.4/24

Right Out: -18.623+/-21.658 χ^2/NDF: 22.0/26

Left In: -10.521+/-17.225 χ^2/NDF:16.1/22

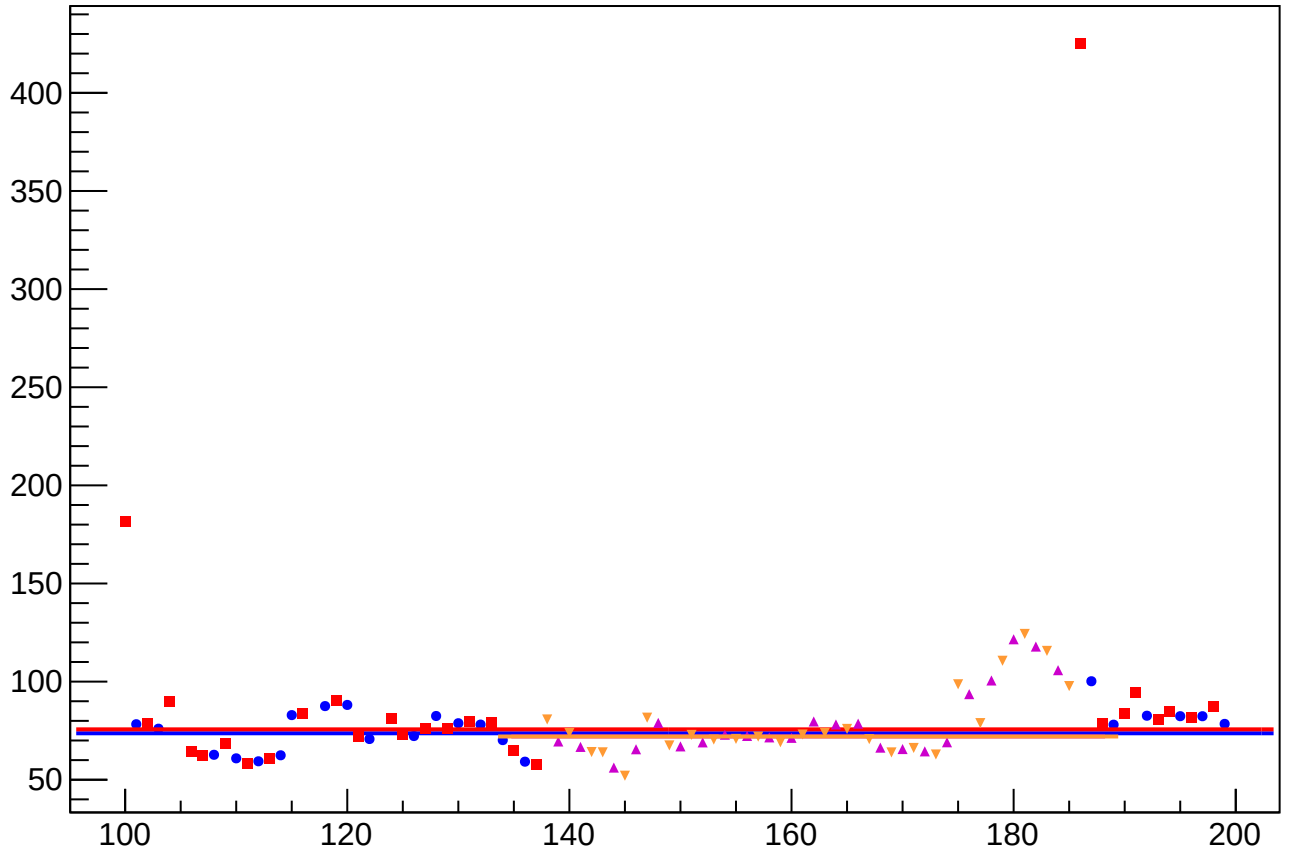
Left: 9.095+/-12.006 χ^2/NDF: 60.9/47

Right: 2.668+/-15.415 χ^2/NDF: 41.4/48

In: 2.841+/-13.550 χ^2/NDF:35.1/44

Out: 10.326+/-13.246 χ^2/NDF:67.2/51

All: 6.668+/-9.472 χ^2/NDF: 102.5/96



Right In: 73.674+/-0.016 χ^2/NDF: 401504.9/21

Left Out: 72.041+/-0.012 χ^2/NDF:1269479.1/24

Right Out: 75.677+/-0.015 χ^2/NDF: 1013277.8/26

Left In: 72.092+/-0.012 χ^2/NDF:1058847.4/22

Left: 72.066+/-0.008 χ^2/NDF: 2328335.7/47

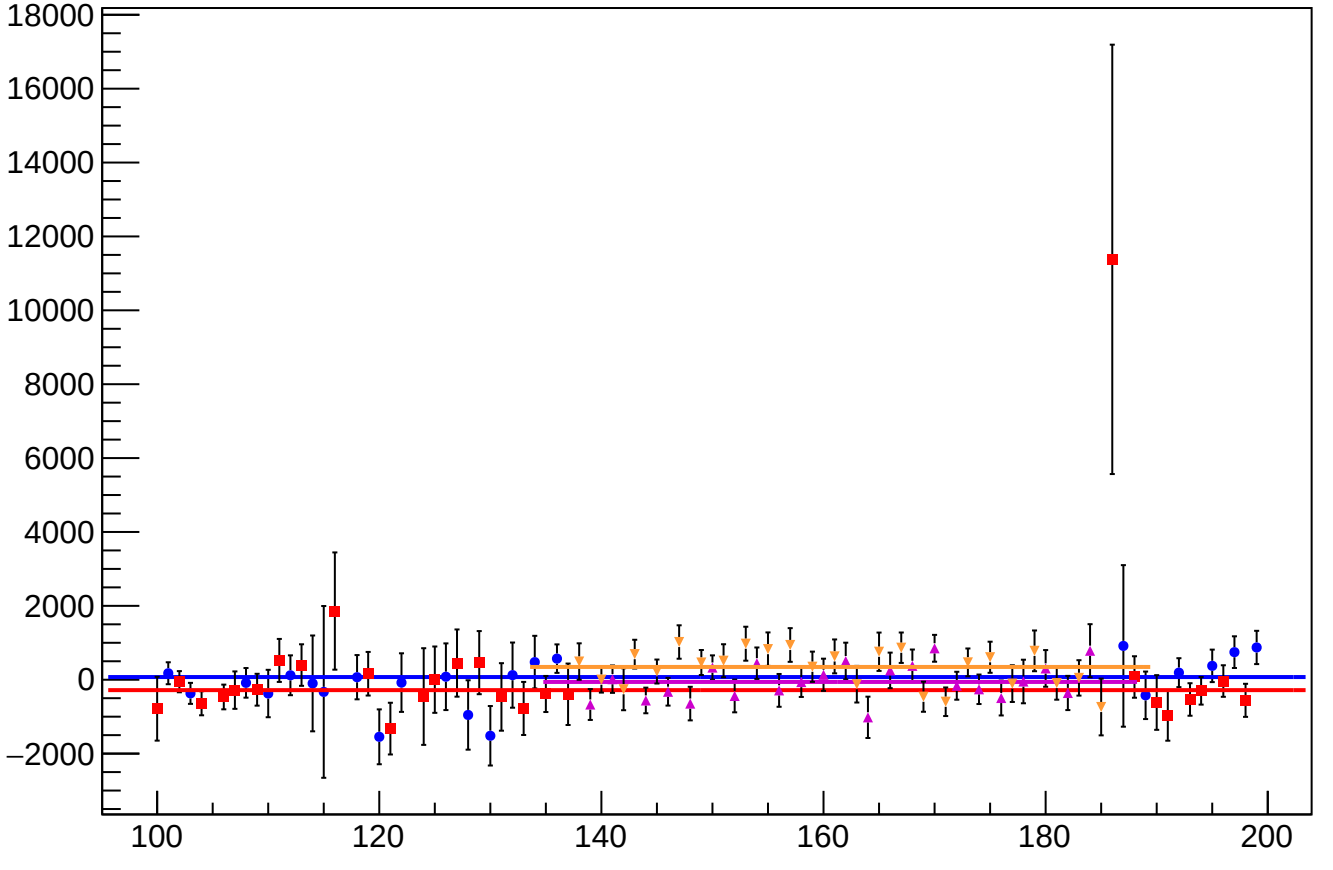
Right: 74.688+/-0.011 χ^2/NDF: 1423222.4/48

In: 72.695+/-0.010 χ^2/NDF:1466780.8/44

Out: 73.401+/-0.009 χ^2/NDF:2318042.4/51

All: 73.056+/-0.007 χ^2/NDF: 3787597.2/96

asym_sam_37_48_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 72.582+/-110.881 χ^2/NDF: 22.0/21

Left Out: 345.972+/-86.822 χ^2/NDF:28.9/24

Right Out: -281.607+/-102.218 χ^2/NDF: 19.2/26

Left In: -59.907+/-89.411 χ^2/NDF:25.8/22

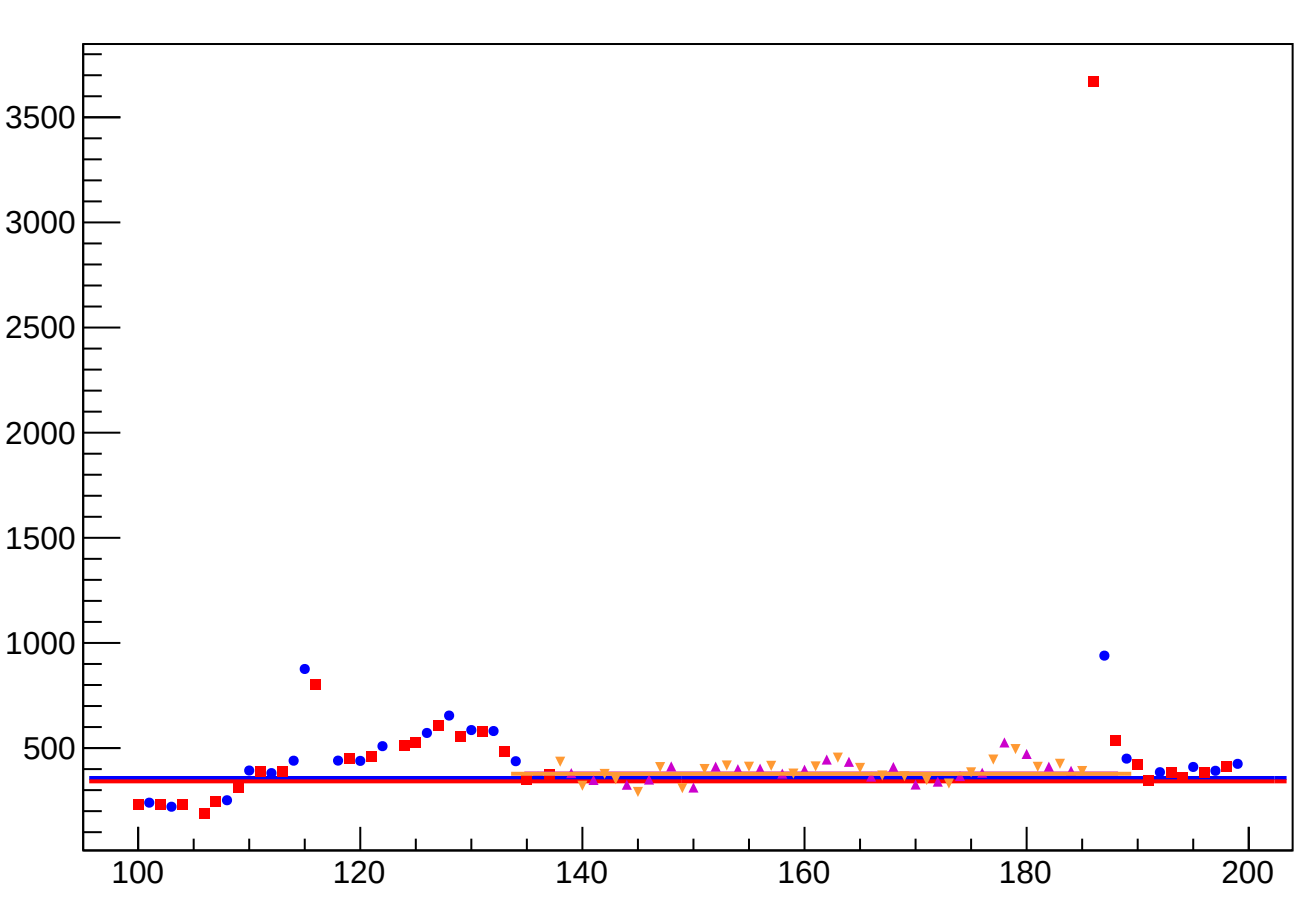
Left: 148.994+/-62.288 χ^2/NDF: 65.4/47

Right: -118.888+/-75.155 χ^2/NDF: 46.8/48

In: -7.704+/-69.602 χ^2/NDF:48.8/44

Out: 82.956+/-66.173 χ^2/NDF:70.1/51

All: 39.914+/-47.958 χ^2/NDF: 119.7/96



Right In: 357.662+/-0.078 χ^2/NDF: 2070583.4/21

Left Out: 377.796+/-0.061 χ^2/NDF:636714.9/24

Right Out: 341.760+/-0.072 χ^2/NDF: 3026853.2/26

Left In: 378.869+/-0.063 χ^2/NDF:527680.9/22

Left: 378.317+/-0.044 χ^2/NDF: 1164543.9/47

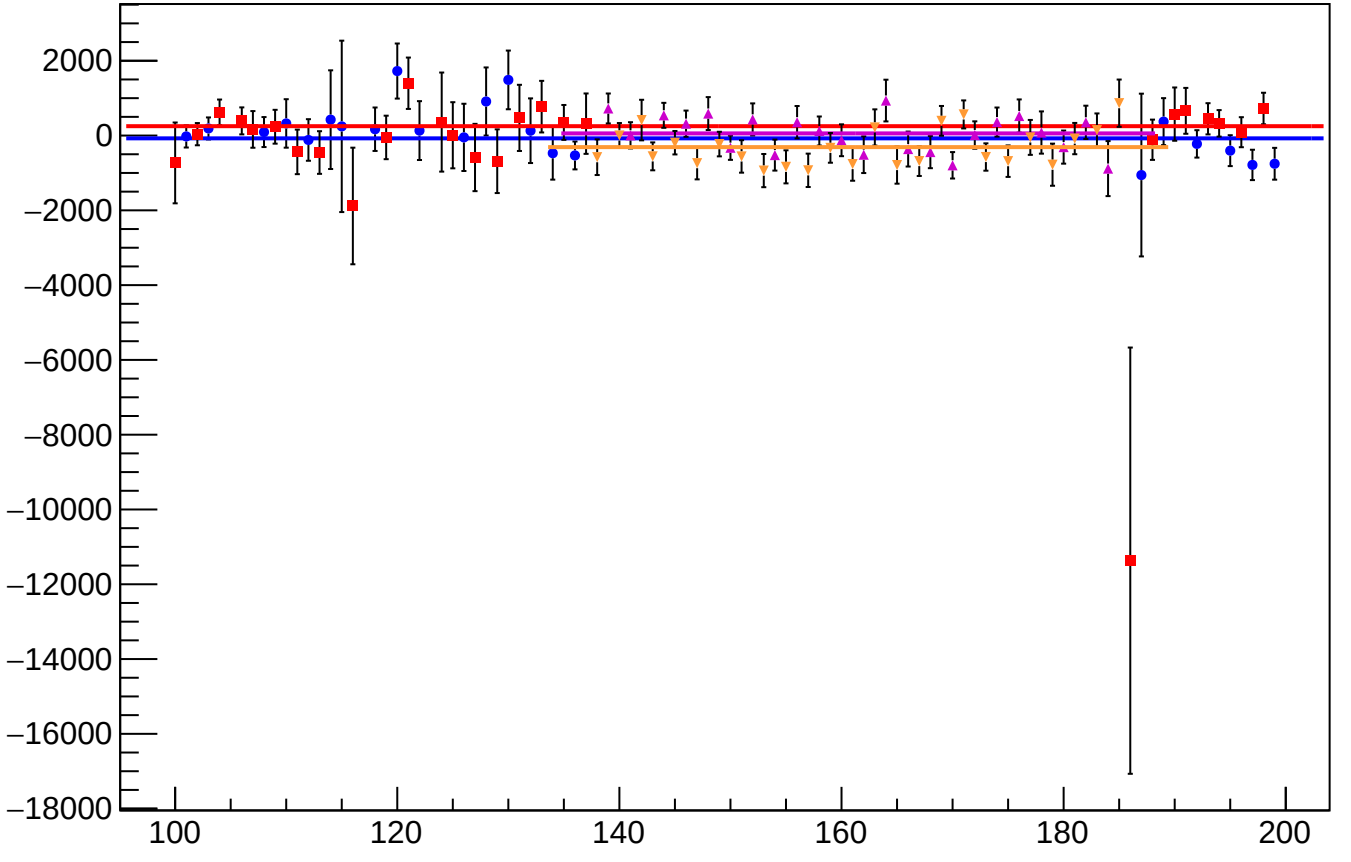
Right: 349.066+/-0.053 χ^2/NDF: 5119674.3/48

In: 370.513+/-0.049 χ^2/NDF:2642596.5/44

Out: 362.694+/-0.047 χ^2/NDF:3807966.9/51

All: 366.406+/-0.034 χ^2/NDF: 6463821.6/96

asym_sam_37_48_dd_mean vs Slug, Sign Corrected



Right In: -74.747+/-109.012 χ^2/NDF: 21.9/21

Left Out: -309.330+/-83.706 χ^2/NDF:30.0/24

Right Out: 250.707+/-101.830 χ^2/NDF: 20.3/26

Left In: 57.543+/-86.225 χ^2/NDF:28.0/22

Left: -131.331+/-60.060 χ^2/NDF: 67.3/47

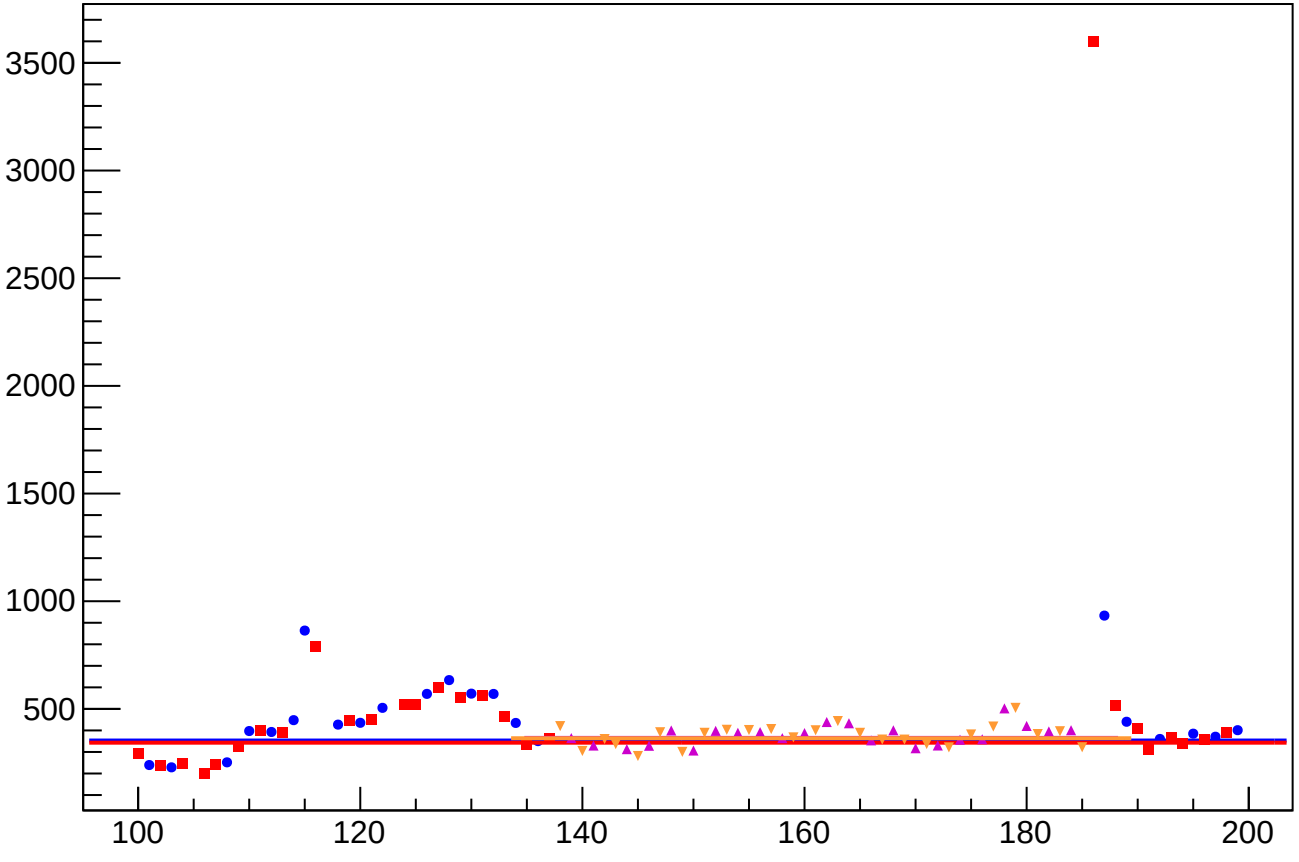
Right: 99.053+/-74.414 χ^2/NDF: 47.0/48

In: 6.631+/-67.627 χ^2/NDF:50.8/44

Out: -83.504+/-64.663 χ^2/NDF:68.3/51

All: -40.455+/-46.736 χ^2/NDF: 120.0/96

asym_sam_37_48_dd_rms vs Slug, Sign Corrected



Right In: 353.066+/-0.077 χ^2/NDF: 1874427.1/21

Left Out: 363.714+/-0.059 χ^2/NDF:669244.7/24

Right Out: 343.159+/-0.072 χ^2/NDF: 2623038.4/26

Left In: 365.324+/-0.061 χ^2/NDF:509496.4/22

Left: 364.495+/-0.042 χ^2/NDF: 1179100.0/47

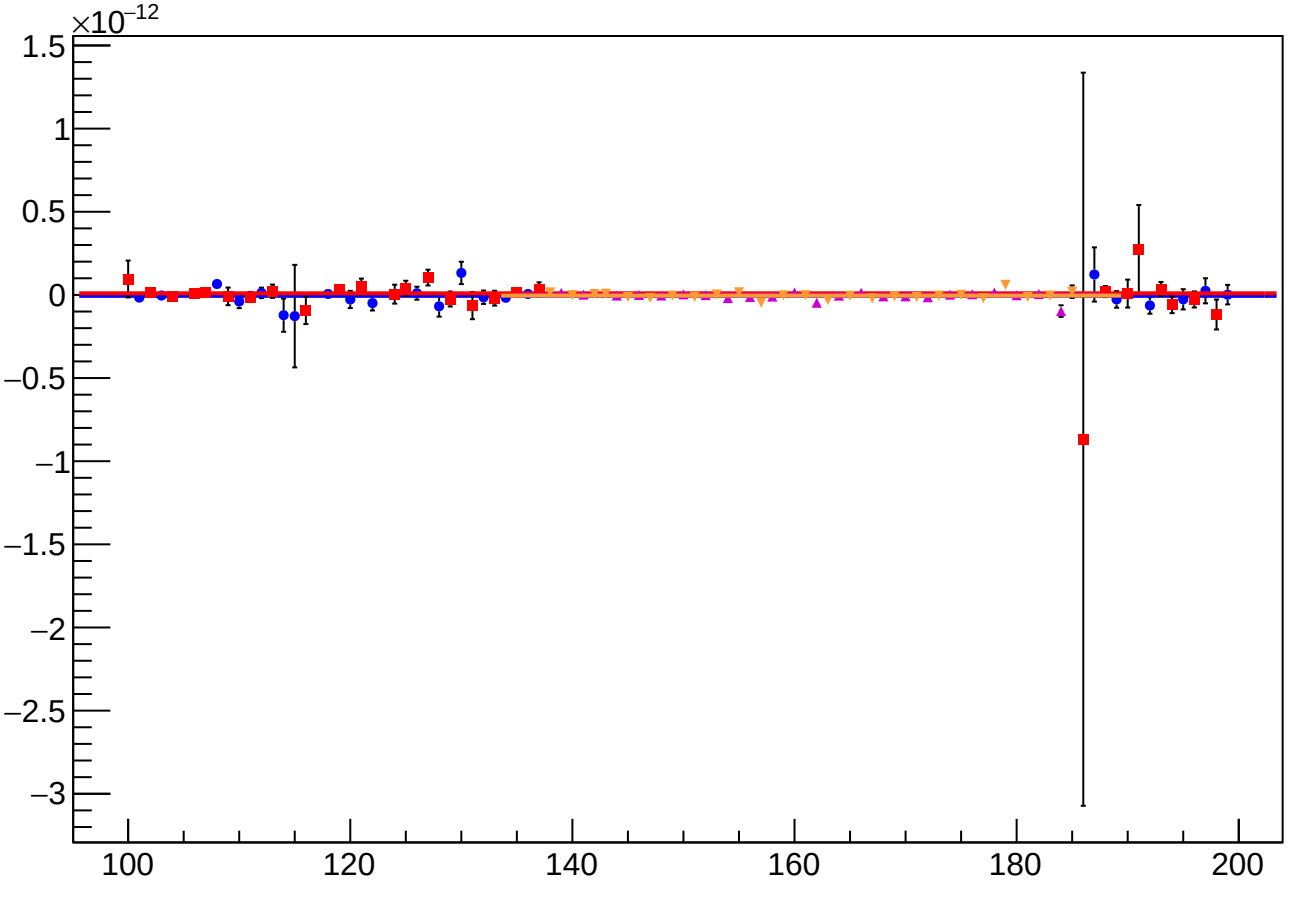
Right: 347.775+/-0.053 χ^2/NDF: 4506287.1/48

In: 360.606+/-0.048 χ^2/NDF:2399479.8/44

Out: 355.425+/-0.046 χ^2/NDF:3340916.1/51

All: 357.900+/-0.033 χ^2/NDF: 5746528.2/96

asym_sam_37_48_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 19.0/21

Left Out: -0.000+/-0.000 χ^2/NDF:21.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 18.6/26

Left In: -0.000+/-0.000 χ^2/NDF:21.7/22

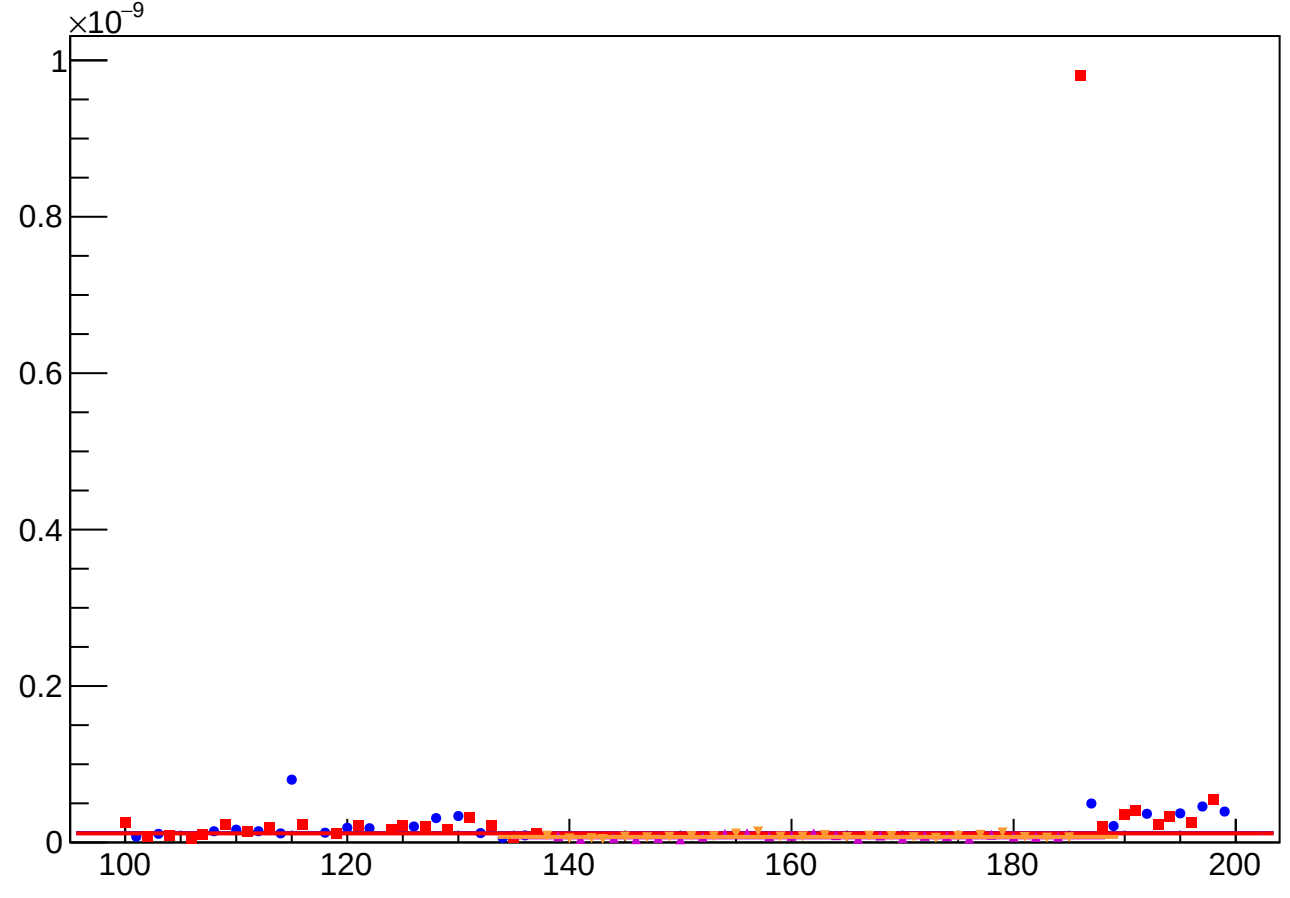
Left: -0.000+/-0.000 χ^2/NDF: 44.3/47

Right: 0.000+/-0.000 χ^2/NDF: 40.6/48

In: -0.000+/-0.000 χ^2/NDF:41.1/44

Out: -0.000+/-0.000 χ^2/NDF:44.8/51

All: -0.000+/-0.000 χ^2/NDF: 85.9/96



Right In: 0.000+/-0.000 χ^2/NDF: 3150523.3/21

Left Out: 0.000+/-0.000 χ^2/NDF:872904.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3418854.7/26

Left In: 0.000+/-0.000 χ^2/NDF:1216388.8/22

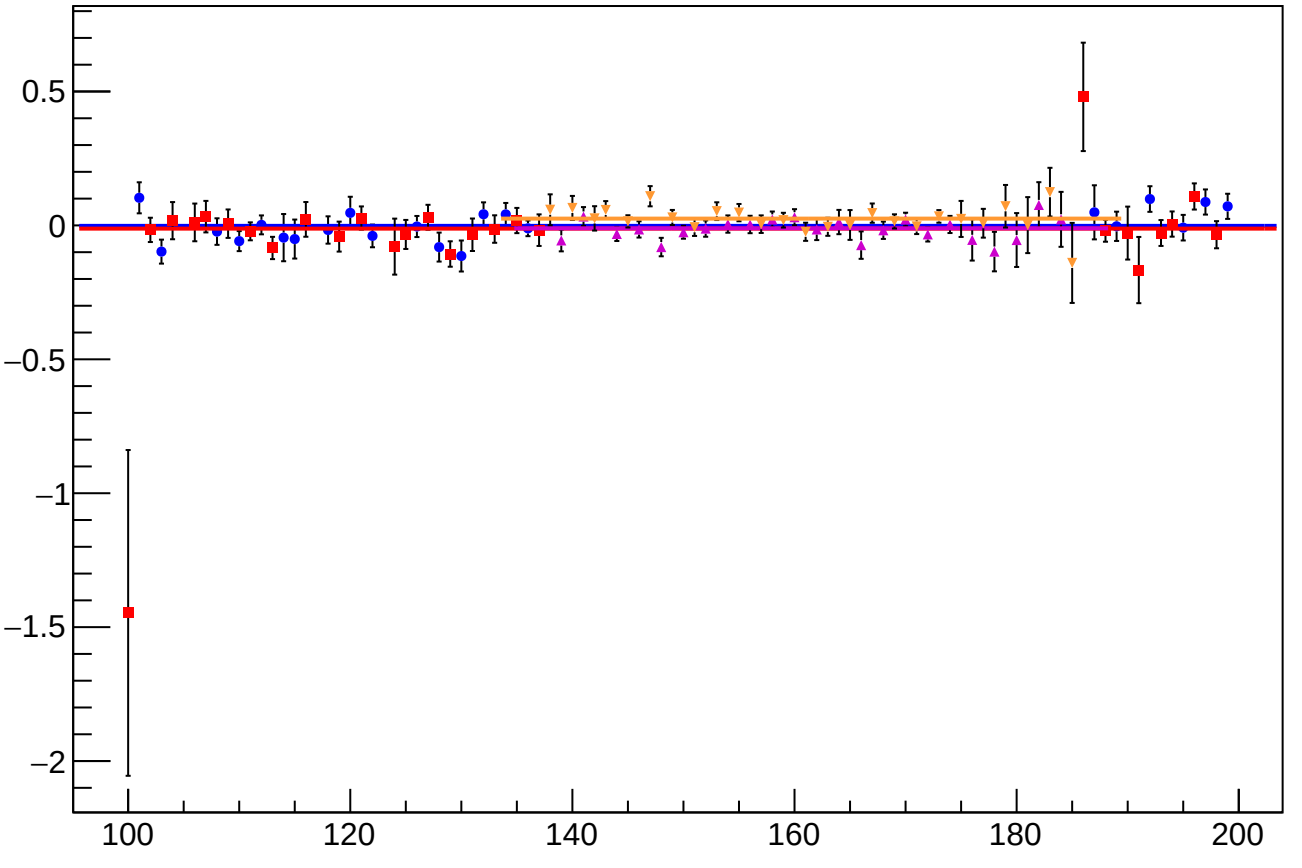
Left: 0.000+/-0.000 χ^2/NDF: 2149252.2/47

Right: 0.000+/-0.000 χ^2/NDF: 6572054.4/48

In: 0.000+/-0.000 χ^2/NDF:5676787.1/44

Out: 0.000+/-0.000 χ^2/NDF:5206676.3/51

All: 0.000+/-0.000 χ^2/NDF: 10934967.0/96



Right In: -0.002+/-0.010 χ^2/NDF: 31.3/21

Left Out: 0.025+/-0.007 χ^2/NDF:17.4/24

Right Out: -0.012+/-0.010 χ^2/NDF: 31.1/26

Left In: -0.011+/-0.007 χ^2/NDF:19.0/22

Left: 0.008+/-0.005 χ^2/NDF: 49.0/47

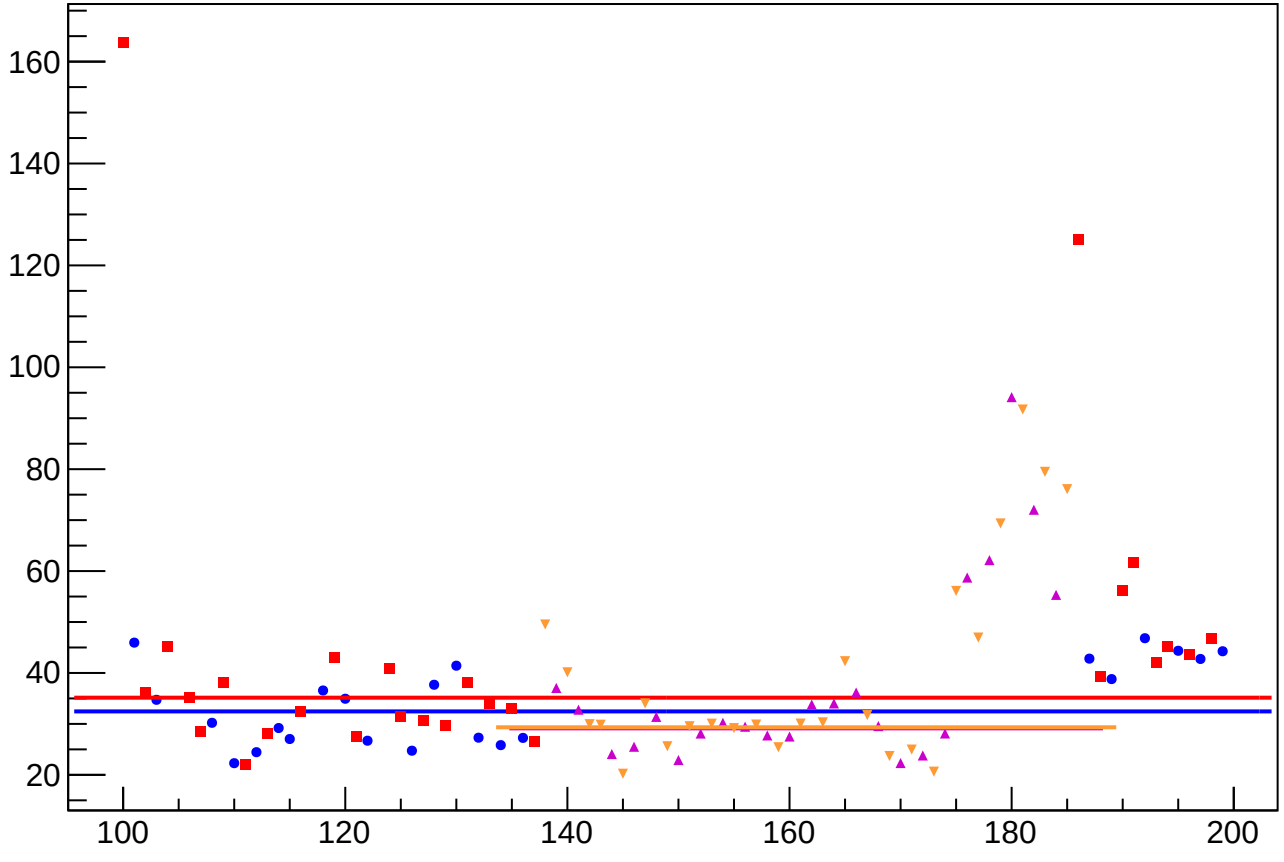
Right: -0.007+/-0.007 χ^2/NDF: 62.9/48

In: -0.008+/-0.006 χ^2/NDF:50.8/44

Out: 0.013+/-0.006 χ^2/NDF:57.3/51

All: 0.003+/-0.004 χ^2/NDF: 114.4/96

asym_sam_37_48_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 32.453+/-0.007 χ^2/NDF: 1292570.7/21

Left Out: 29.335+/-0.005 χ^2/NDF:3874774.5/24

Right Out: 35.147+/-0.007 χ^2/NDF: 1637693.3/26

Left In: 29.125+/-0.005 χ^2/NDF:2839115.6/22

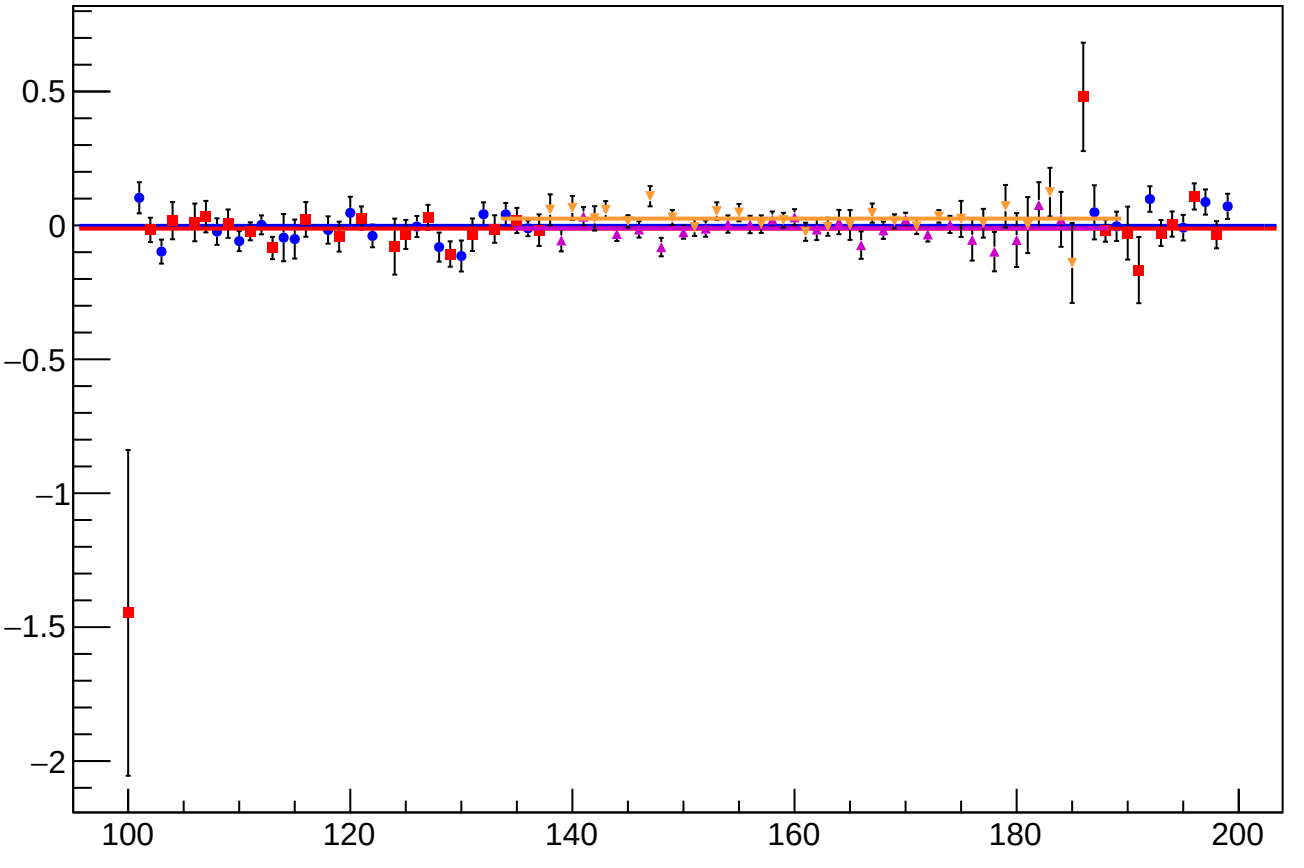
Left: 29.231+/-0.004 χ^2/NDF: 6714732.4/47

Right: 33.752+/-0.005 χ^2/NDF: 3000185.1/48

In: 30.280+/-0.004 χ^2/NDF:4276102.7/44

Out: 31.219+/-0.004 χ^2/NDF:5937430.7/51

All: 30.749+/-0.003 χ^2/NDF: 10238867.0/96



Right In: -0.002+/-0.010 χ^2/NDF: 31.3/21

Left Out: 0.025+/-0.007 χ^2/NDF:17.4/24

Right Out: -0.012+/-0.010 χ^2/NDF: 31.1/26

Left In: -0.011+/-0.007 χ^2/NDF:19.0/22

Left: 0.008+/-0.005 χ^2/NDF: 49.0/47

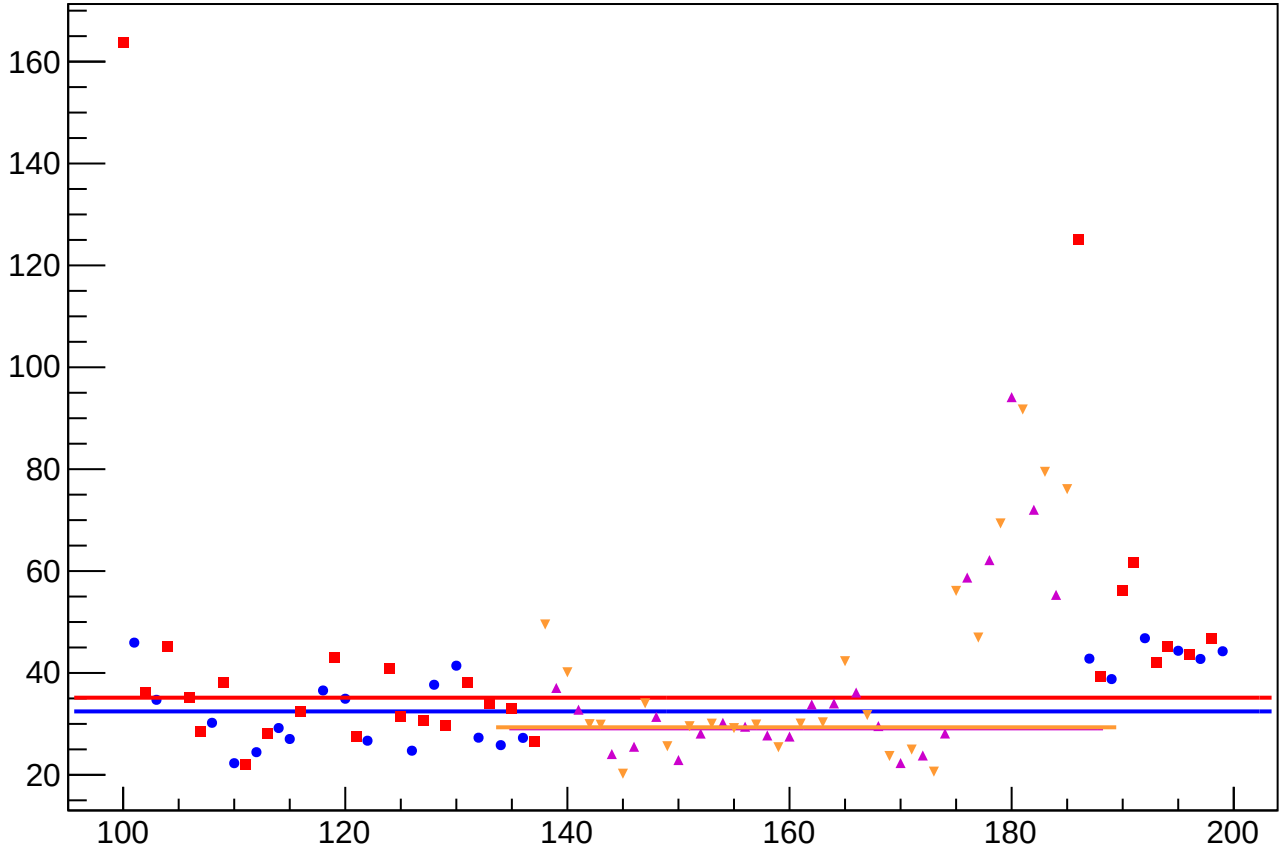
Right: -0.007+/-0.007 χ^2/NDF: 62.9/48

In: -0.008+/-0.006 χ^2/NDF:50.8/44

Out: 0.013+/-0.006 χ^2/NDF:57.3/51

All: 0.003+/-0.004 χ^2/NDF: 114.4/96

asym_sam_37_48_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 32.453+/-0.007 χ^2/NDF: 1292570.7/21

Left Out: 29.335+/-0.005 χ^2/NDF:3874774.5/24

Right Out: 35.147+/-0.007 χ^2/NDF: 1637693.3/26

Left In: 29.125+/-0.005 χ^2/NDF:2839115.6/22

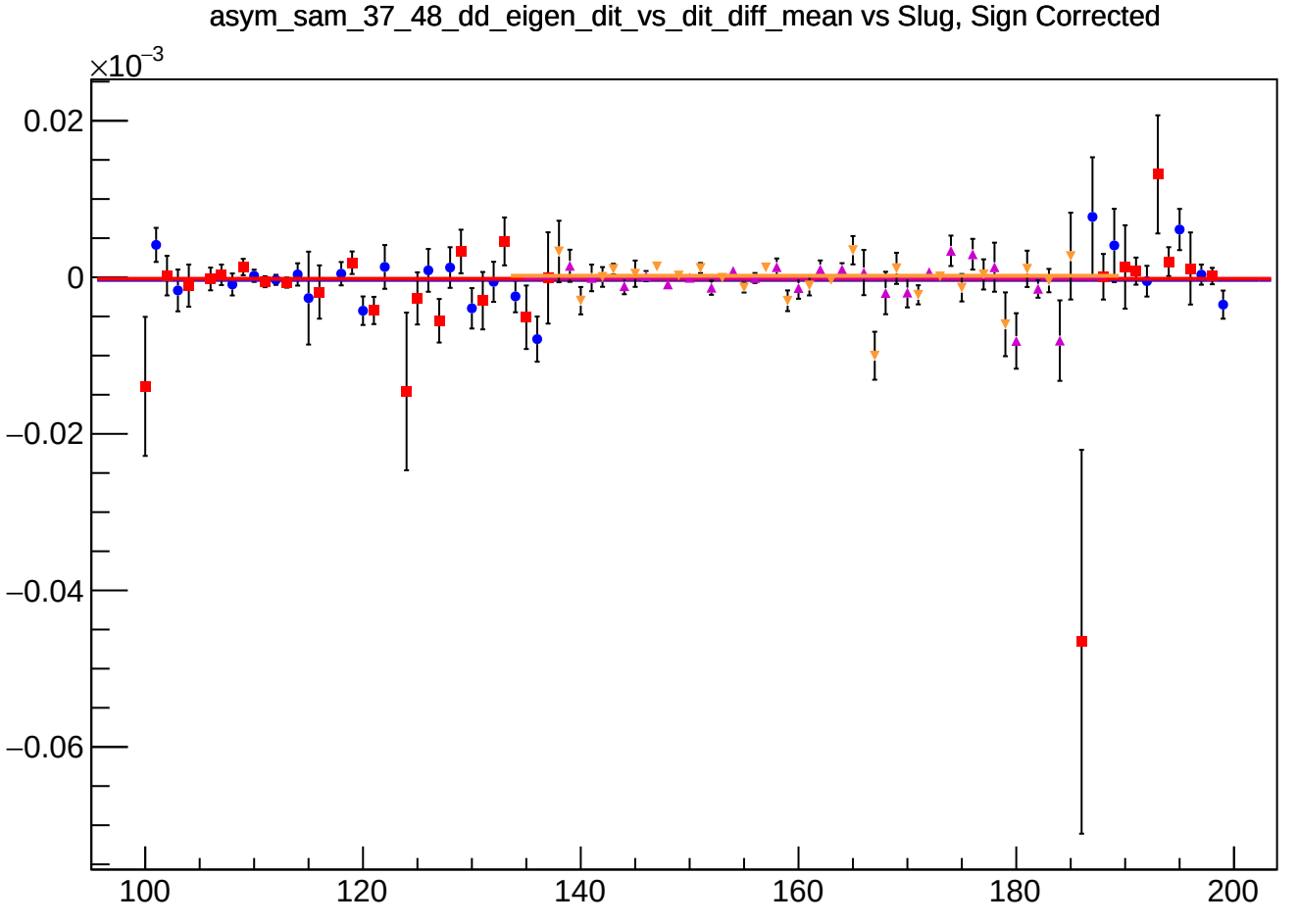
Left: 29.231+/-0.004 χ^2/NDF: 6714732.4/47

Right: 33.752+/-0.005 χ^2/NDF: 3000185.1/48

In: 30.280+/-0.004 χ^2/NDF:4276102.7/44

Out: 31.219+/-0.004 χ^2/NDF:5937430.7/51

All: 30.749+/-0.003 χ^2/NDF: 10238867.0/96



Right In: -0.000+/-0.000 χ^2/NDF: 32.6/21

Left Out: 0.000+/-0.000 χ^2/NDF:52.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 34.3/26

Left In: -0.000+/-0.000 χ^2/NDF:32.9/22

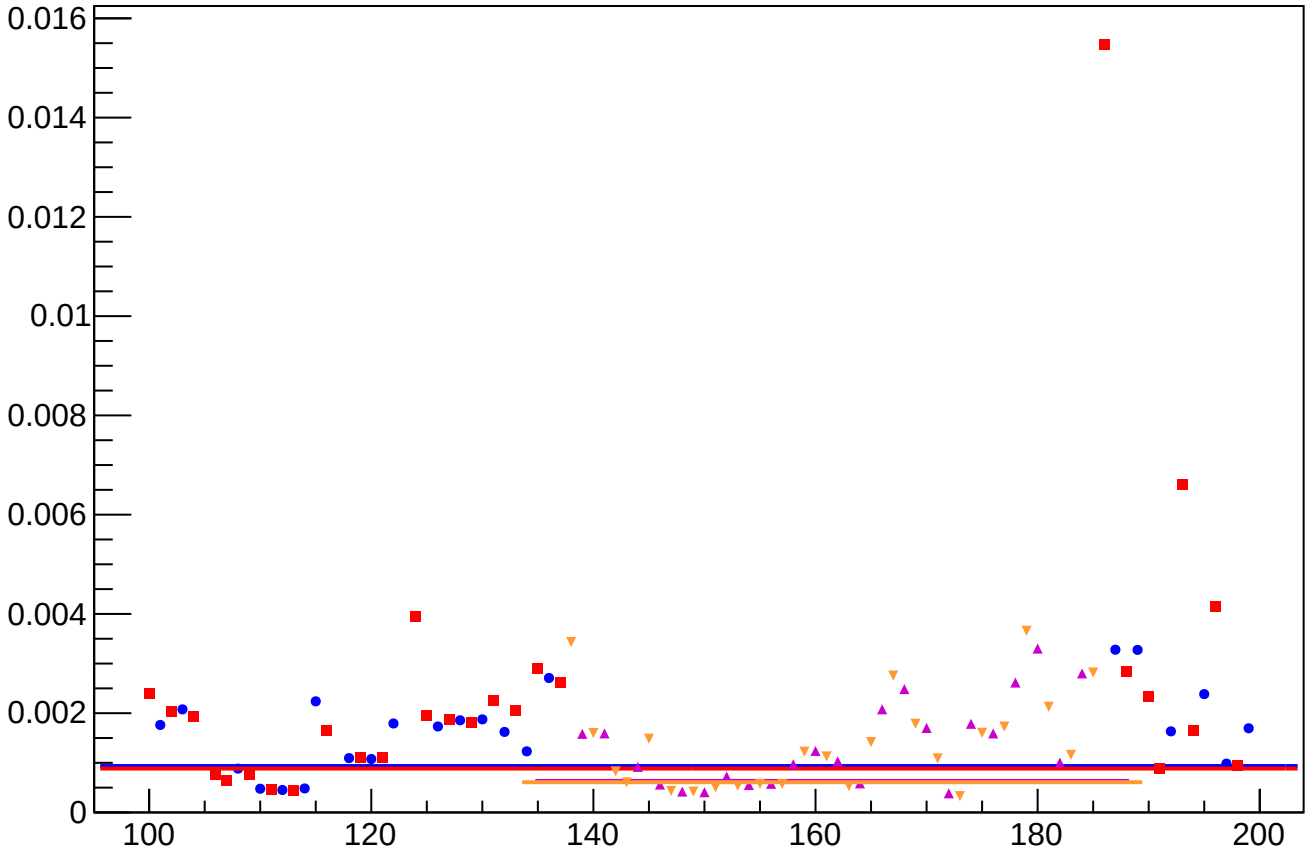
Left: 0.000+/-0.000 χ^2/NDF: 86.2/47

Right: -0.000+/-0.000 χ^2/NDF: 67.0/48

In: -0.000+/-0.000 χ^2/NDF:66.3/44

Out: 0.000+/-0.000 χ^2/NDF:88.1/51

All: 0.000+/-0.000 χ^2/NDF: 155.1/96



Right In: 0.001+/-0.000 χ^2/NDF: 6536448.8/21

Left Out: 0.001+/-0.000 χ^2/NDF:10964161.2/24

Right Out: 0.001+/-0.000 χ^2/NDF: 9082716.0/26

Left In: 0.001+/-0.000 χ^2/NDF:9376124.7/22

Left: 0.001+/-0.000 χ^2/NDF: 20361960.5/47

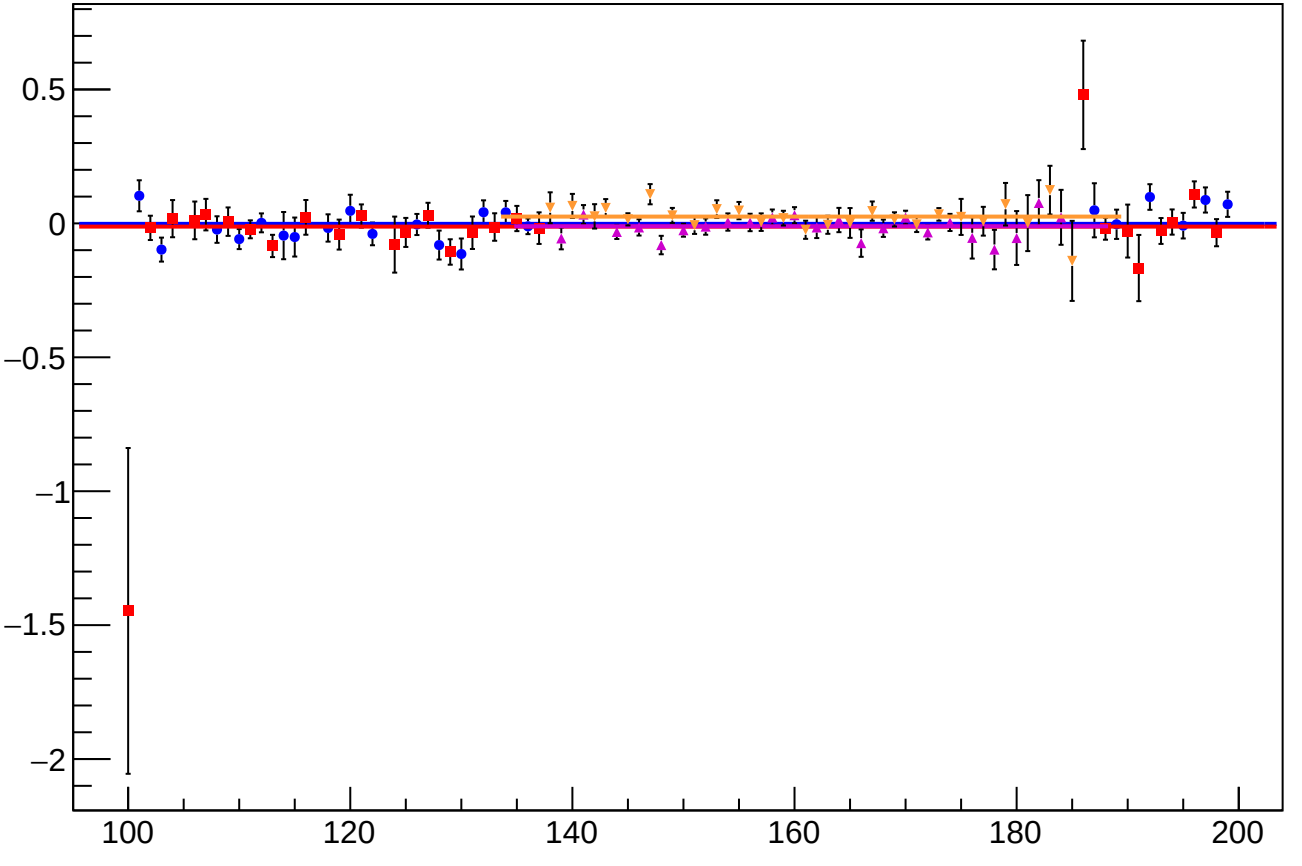
Right: 0.001+/-0.000 χ^2/NDF: 15642344.7/48

In: 0.001+/-0.000 χ^2/NDF:17124111.4/44

Out: 0.001+/-0.000 χ^2/NDF:21228760.5/51

All: 0.001+/-0.000 χ^2/NDF: 38394412.3/96

asym_sam_37_48_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.002+/-0.010 χ^2/NDF: 31.3/21

Left Out: 0.025+/-0.007 χ^2/NDF:17.4/24

Right Out: -0.012+/-0.010 χ^2/NDF: 31.1/26

Left In: -0.011+/-0.007 χ^2/NDF:19.0/22

Left: 0.008+/-0.005 χ^2/NDF: 49.0/47

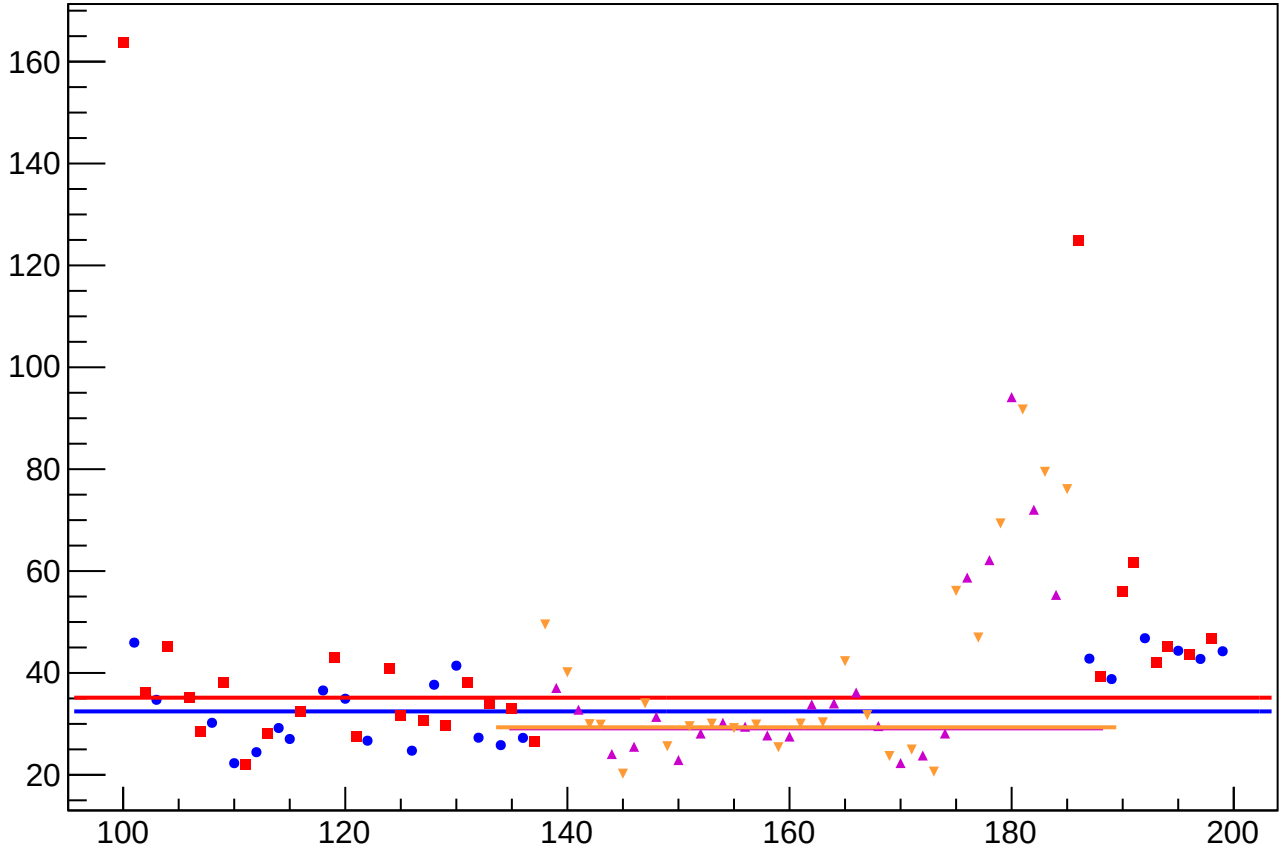
Right: -0.007+/-0.007 χ^2/NDF: 62.9/48

In: -0.008+/-0.006 χ^2/NDF:50.8/44

Out: 0.013+/-0.006 χ^2/NDF:57.3/51

All: 0.003+/-0.004 χ^2/NDF: 114.4/96

asym_sam_37_48_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 32.453+/-0.007 χ^2/NDF: 1292518.0/21

Left Out: 29.334+/-0.005 χ^2/NDF:3874839.0/24

Right Out: 35.147+/-0.007 χ^2/NDF: 1637591.8/26

Left In: 29.124+/-0.005 χ^2/NDF:2839078.4/22

Left: 29.231+/-0.004 χ^2/NDF: 6714759.4/47

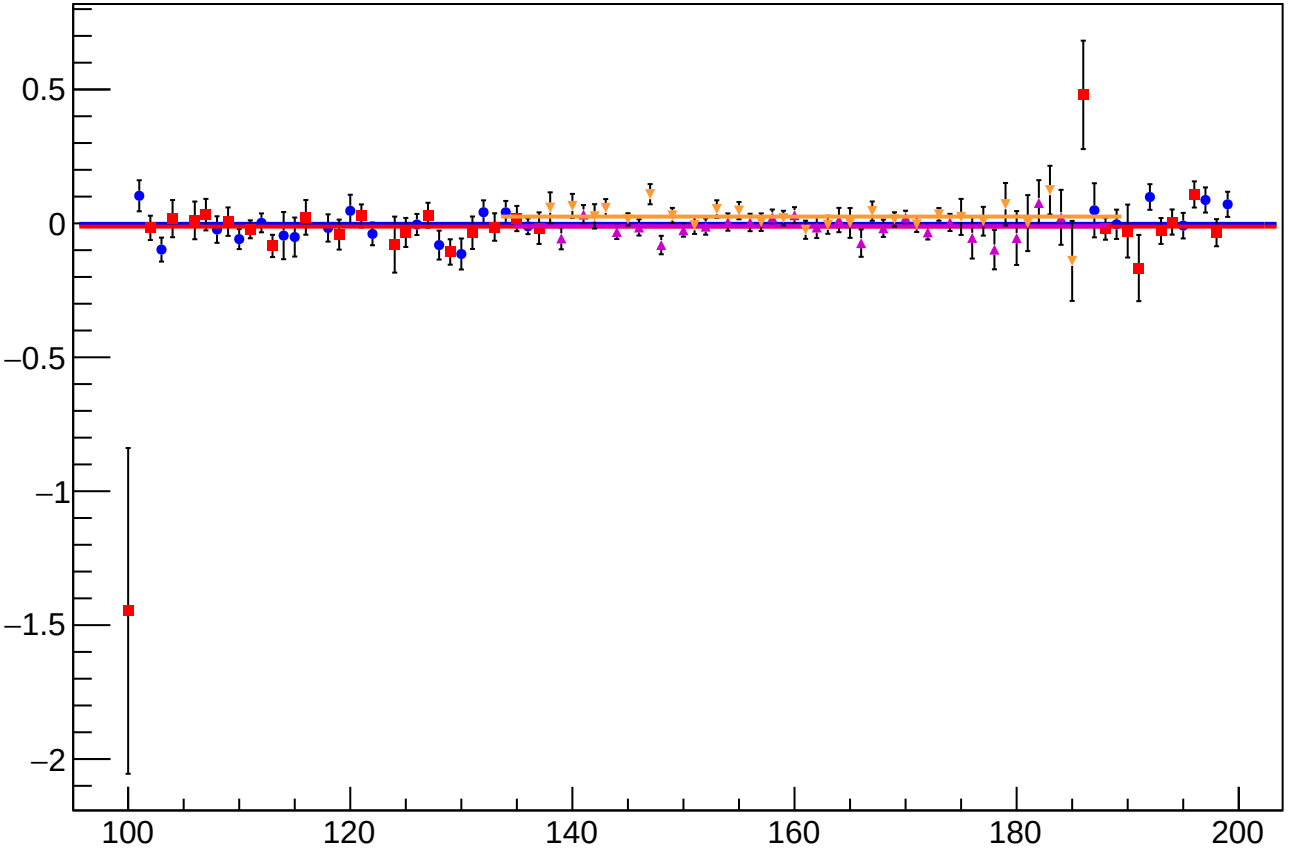
Right: 33.752+/-0.005 χ^2/NDF: 3000032.5/48

In: 30.280+/-0.004 χ^2/NDF:4276034.4/44

Out: 31.218+/-0.004 χ^2/NDF:5937441.2/51

All: 30.748+/-0.003 χ^2/NDF: 10238807.8/96

asym_sam_37_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.002+/-0.010 χ^2/NDF: 31.3/21

Left Out: 0.025+/-0.007 χ^2/NDF:17.4/24

Right Out: -0.012+/-0.010 χ^2/NDF: 31.1/26

Left In: -0.011+/-0.007 χ^2/NDF:19.0/22

Left: 0.008+/-0.005 χ^2/NDF: 49.0/47

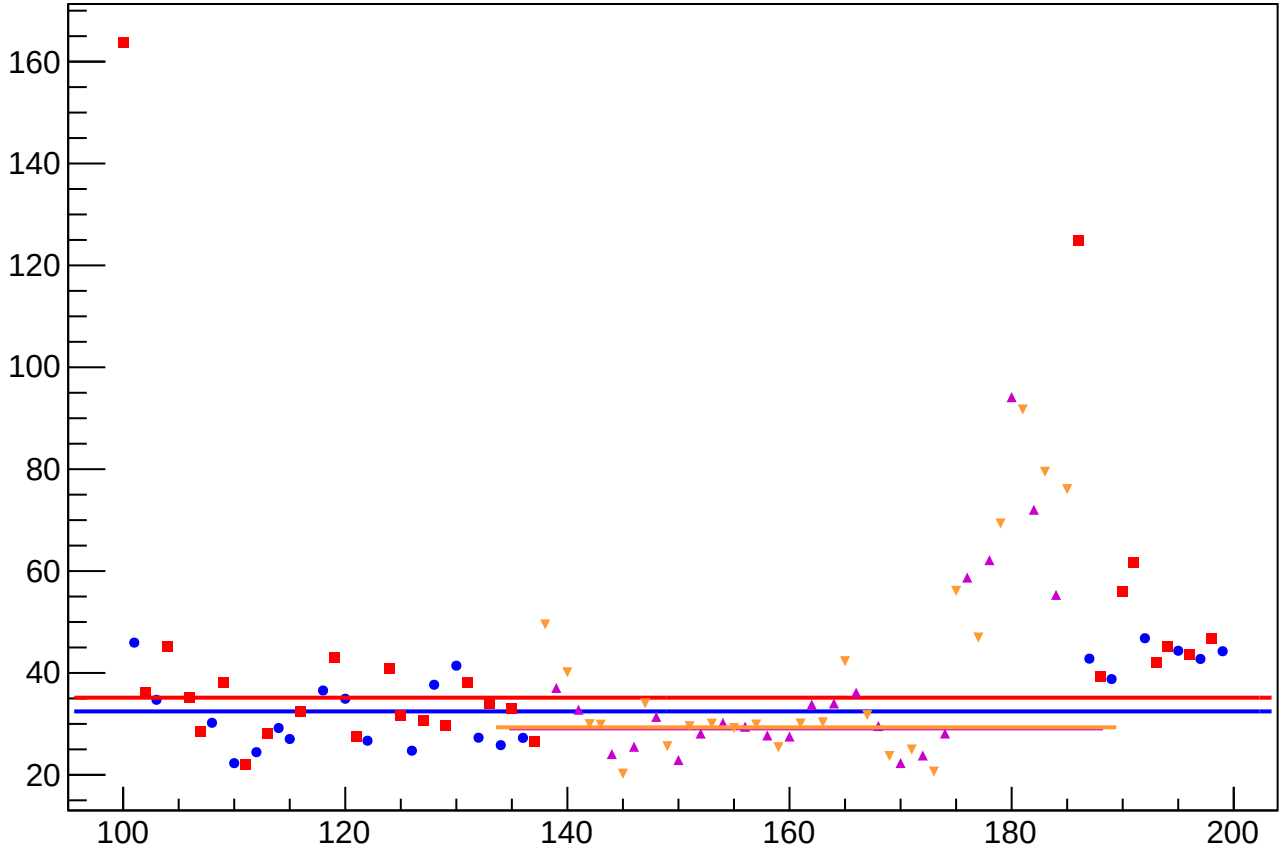
Right: -0.007+/-0.007 χ^2/NDF: 62.9/48

In: -0.008+/-0.006 χ^2/NDF:50.8/44

Out: 0.013+/-0.006 χ^2/NDF:57.3/51

All: 0.003+/-0.004 χ^2/NDF: 114.4/96

asym_sam_37_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 32.453+/-0.007 χ^2/NDF: 1292518.0/21

Left Out: 29.334+/-0.005 χ^2/NDF:3874839.0/24

Right Out: 35.147+/-0.007 χ^2/NDF: 1637591.8/26

Left In: 29.124+/-0.005 χ^2/NDF:2839078.4/22

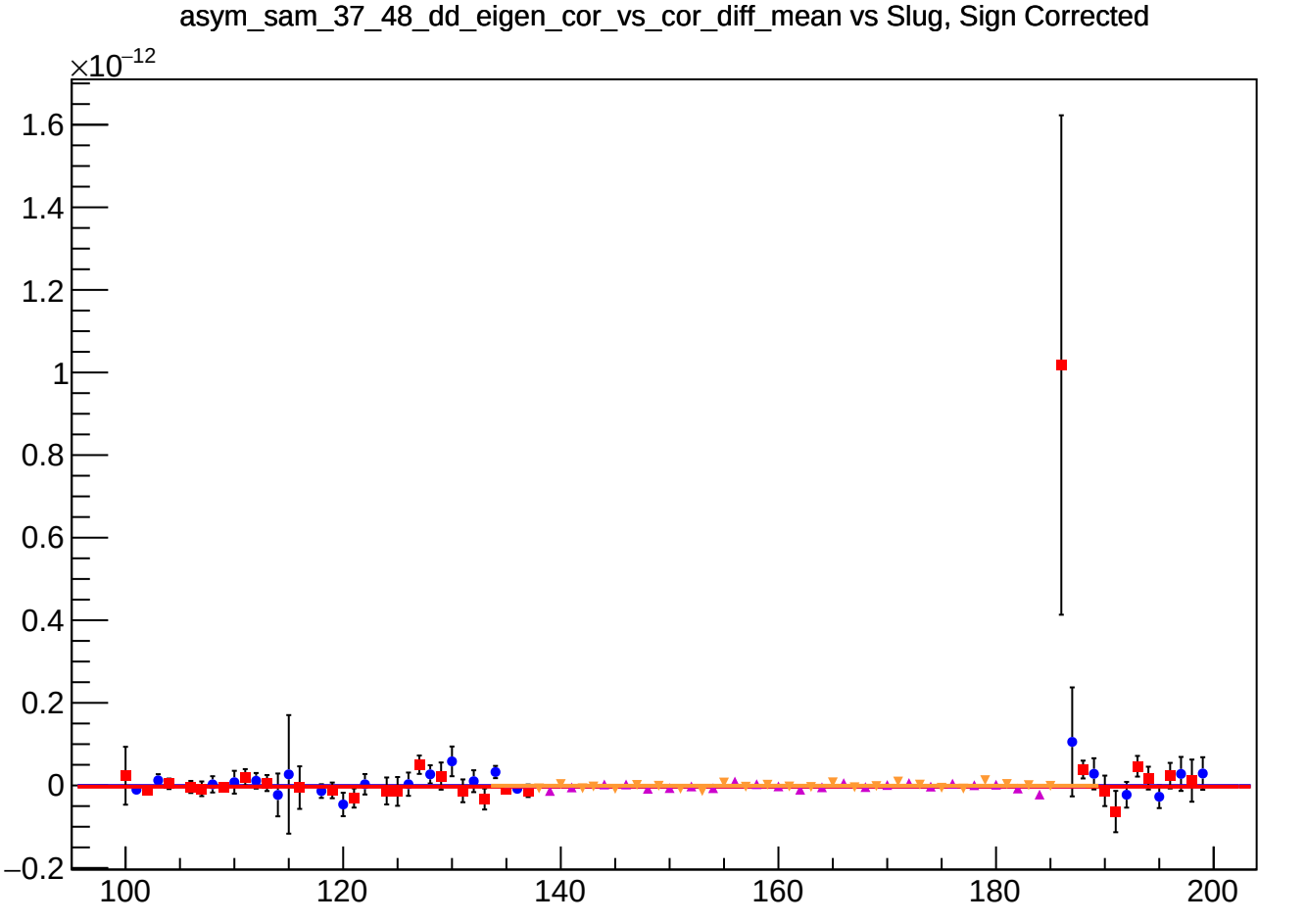
Left: 29.231+/-0.004 χ^2/NDF: 6714759.4/47

Right: 33.752+/-0.005 χ^2/NDF: 3000032.5/48

In: 30.280+/-0.004 χ^2/NDF:4276034.4/44

Out: 31.218+/-0.004 χ^2/NDF:5937441.2/51

All: 30.748+/-0.003 χ^2/NDF: 10238807.8/96



Right In: -0.000+/-0.000 χ^2/NDF: 20.7/21

Left Out: -0.000+/-0.000 χ^2/NDF:15.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 27.2/26

Left In: -0.000+/-0.000 χ^2/NDF:16.5/22

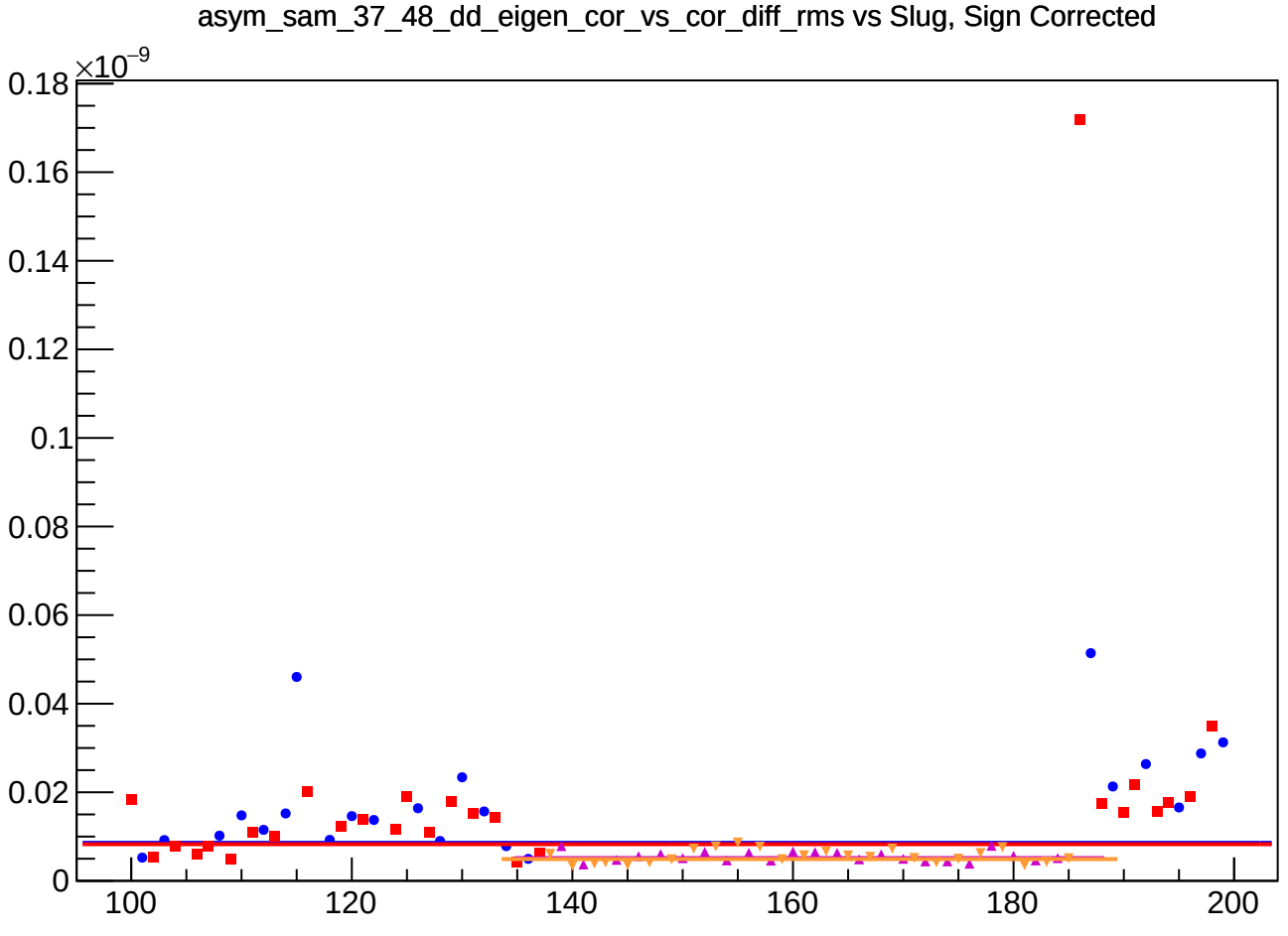
Left: -0.000+/-0.000 χ^2/NDF: 31.8/47

Right: -0.000+/-0.000 χ^2/NDF: 47.9/48

In: -0.000+/-0.000 χ^2/NDF:37.2/44

Out: -0.000+/-0.000 χ^2/NDF:42.6/51

All: -0.000+/-0.000 χ^2/NDF: 79.9/96



Right In: 0.000+/-0.000 χ^2/NDF: 4550763.5/21

Left Out: 0.000+/-0.000 χ^2/NDF:1871499.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4069751.2/26

Left In: 0.000+/-0.000 χ^2/NDF:976775.4/22

Left: 0.000+/-0.000 χ^2/NDF: 2874002.6/47

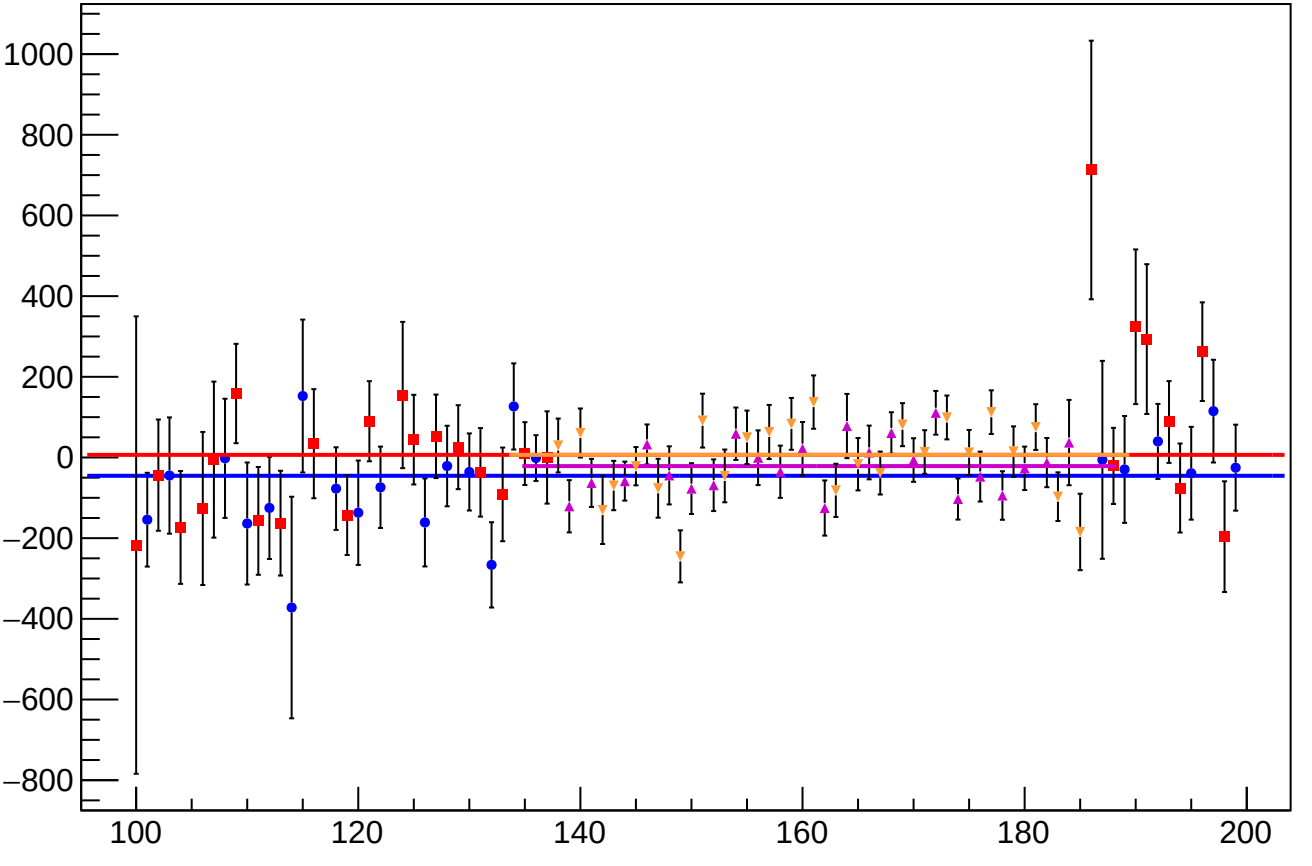
Right: 0.000+/-0.000 χ^2/NDF: 8628188.3/48

In: 0.000+/-0.000 χ^2/NDF:7019306.4/44

Out: 0.000+/-0.000 χ^2/NDF:7546337.2/51

All: 0.000+/-0.000 χ^2/NDF: 14595198.1/96

reg_asym_sam_15_26_dd_mean vs Slug, Sign Corrected



Right In: -45.362+/-23.804 χ^2/NDF: 16.4/21

Left Out: 6.523+/-12.287 χ^2/NDF:50.6/24

Right Out: 6.518+/-23.740 χ^2/NDF: 29.9/26

Left In: -21.336+/-12.649 χ^2/NDF:25.4/22

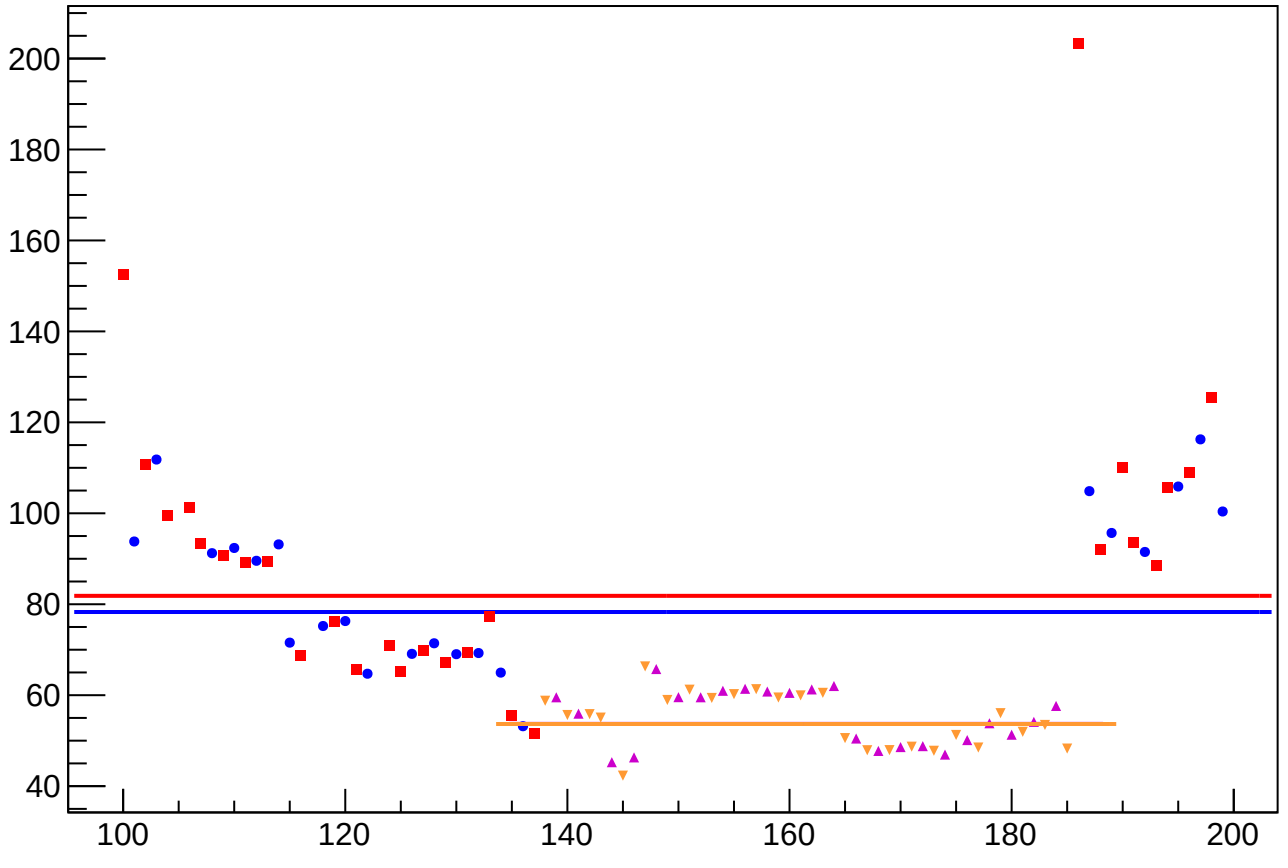
Left: -7.002+/-8.814 χ^2/NDF: 78.5/47

Right: -19.352+/-16.809 χ^2/NDF: 48.7/48

In: -26.626+/-11.170 χ^2/NDF:42.6/44

Out: 6.522+/-10.912 χ^2/NDF:80.5/51

All: -9.665+/-7.806 χ^2/NDF: 127.6/96



Right In: 78.293+/-0.017 χ^2/NDF: 1196912.7/21

Left Out: 53.666+/-0.009 χ^2/NDF:472206.8/24

Right Out: 81.848+/-0.017 χ^2/NDF: 1564192.5/26

Left In: 53.695+/-0.009 χ^2/NDF:471343.7/22

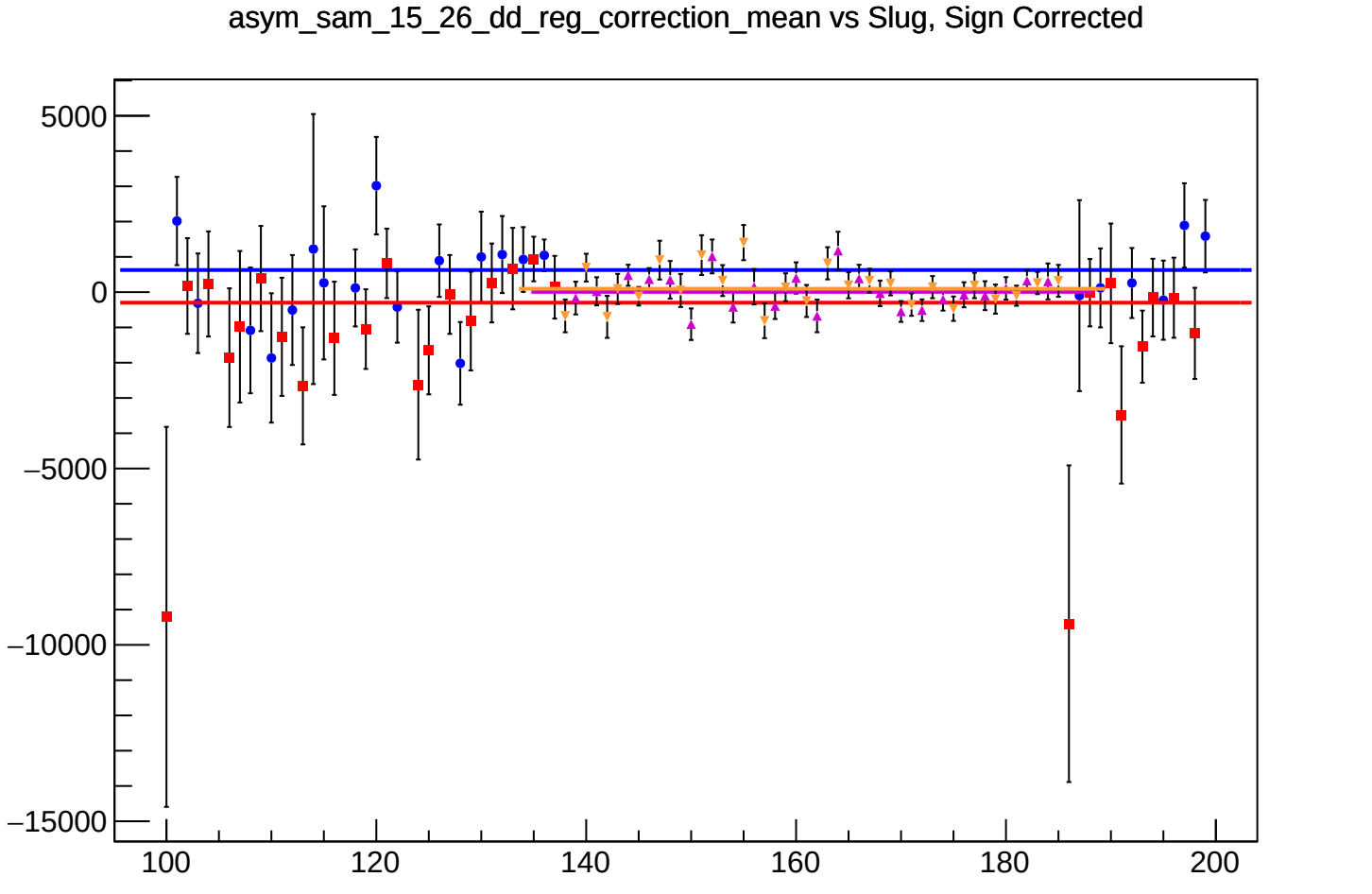
Left: 53.680+/-0.006 χ^2/NDF: 943555.9/47

Right: 80.075+/-0.012 χ^2/NDF: 2783472.7/48

In: 59.111+/-0.008 χ^2/NDF:3333657.2/44

Out: 59.620+/-0.008 χ^2/NDF:4259493.9/51

All: 59.372+/-0.006 χ^2/NDF: 7595277.0/96



Right In: 627.538+/-232.879 χ^2/NDF: 18.7/21

Left Out: 95.456+/-77.134 χ^2/NDF:33.2/24

Right Out: -298.713+/-240.505 χ^2/NDF: 24.9/26

Left In: 7.879+/-79.125 χ^2/NDF:32.3/22

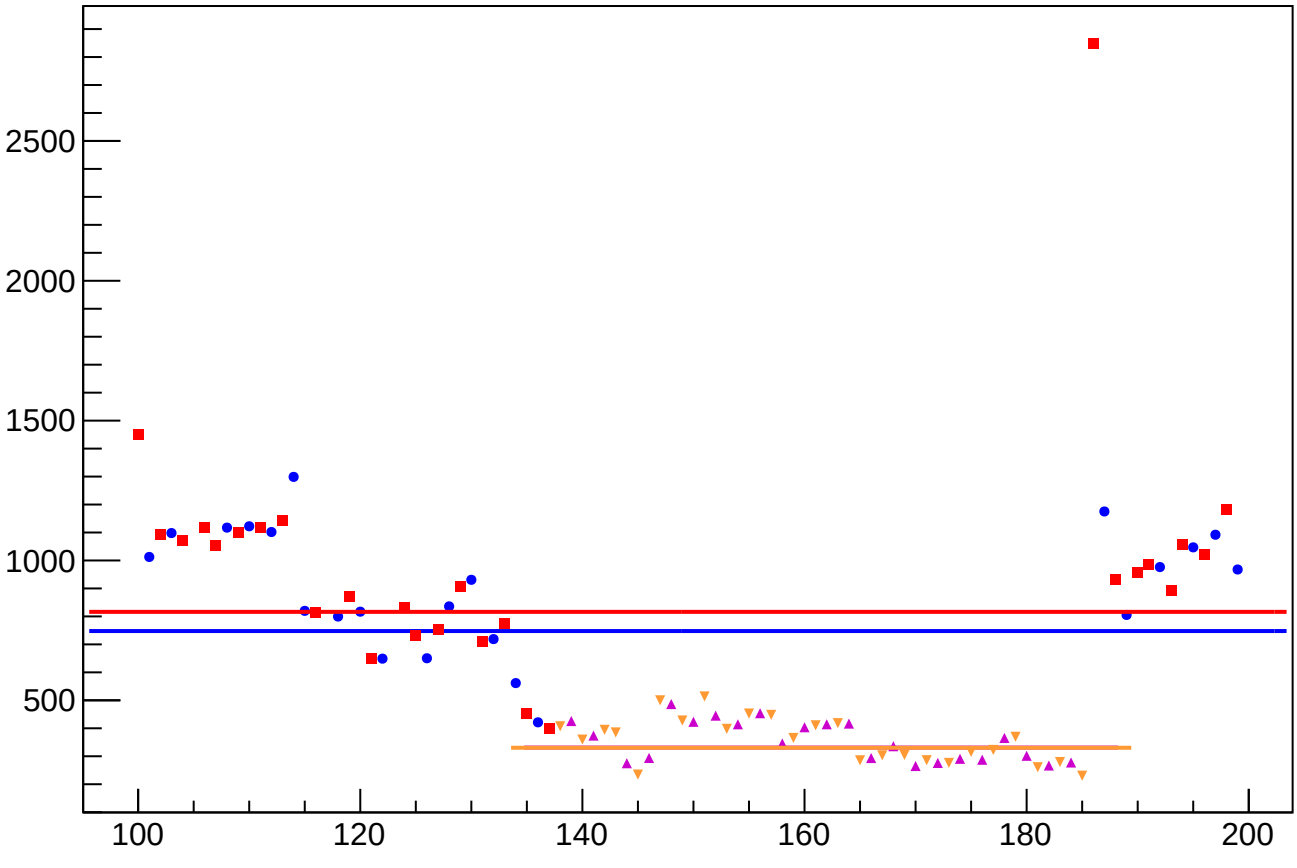
Left: 52.783+/-55.233 χ^2/NDF: 66.1/47

Right: 179.330+/-167.302 χ^2/NDF: 51.3/48

In: 72.011+/-74.919 χ^2/NDF:57.3/44

Out: 58.693+/-73.449 χ^2/NDF:60.5/51

All: 65.220+/-52.448 χ^2/NDF: 117.9/96



Right In: 747.686+/-0.165 χ^2/NDF: 2327947.4/21

Left Out: 330.405+/-0.055 χ^2/NDF:1752470.5/24

Right Out: 816.288+/-0.170 χ^2/NDF: 2471484.6/26

Left In: 331.059+/-0.056 χ^2/NDF:1325602.5/22

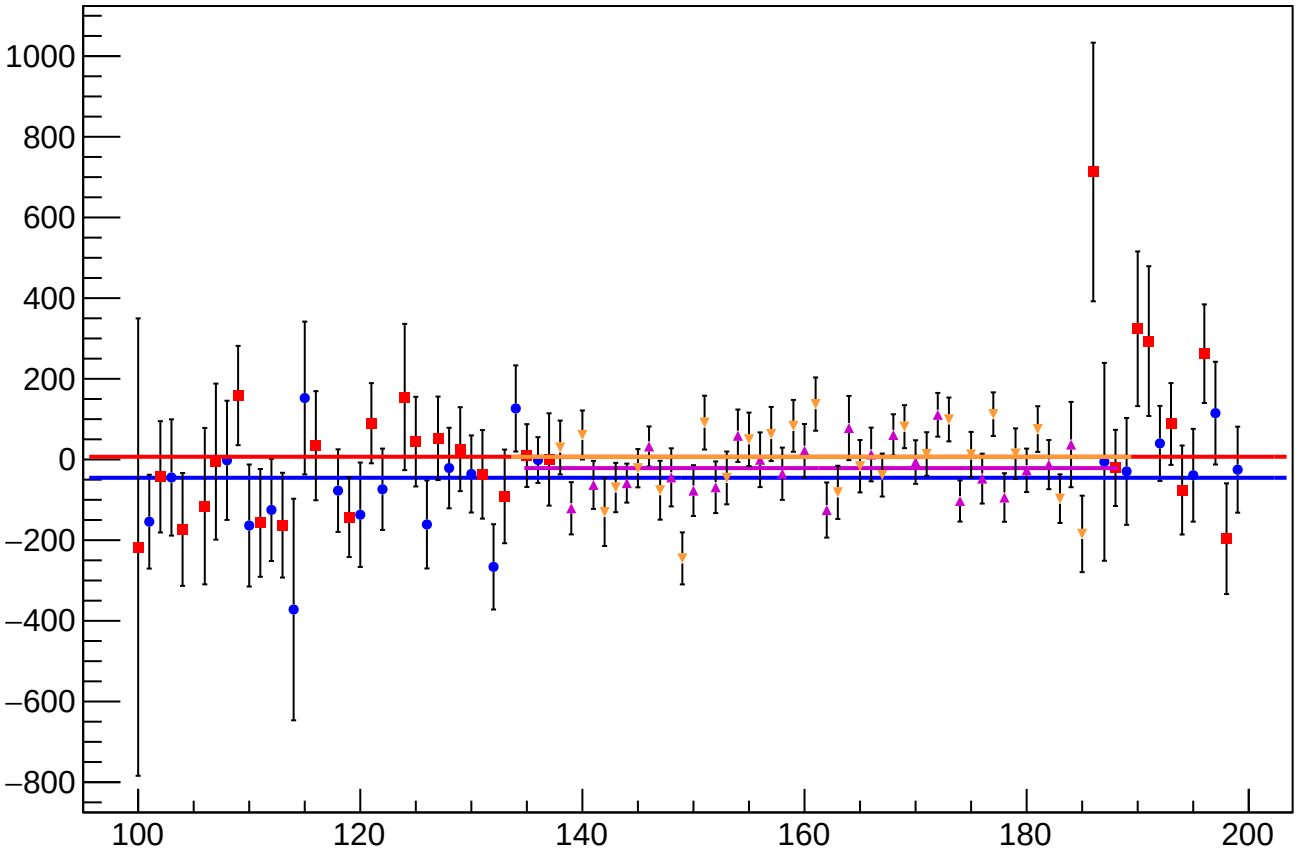
Left: 330.724+/-0.039 χ^2/NDF: 3078142.9/47

Right: 780.883+/-0.118 χ^2/NDF: 4883415.3/48

In: 374.178+/-0.053 χ^2/NDF:9392301.6/44

Out: 375.722+/-0.052 χ^2/NDF:11625522.3/51

All: 374.965+/-0.037 χ^2/NDF: 21018257.0/96



Right In: -45.354+/-23.804 χ^2/NDF: 16.4/21

Left Out: 6.526+/-12.287 χ^2/NDF:50.6/24

Right Out: 6.796+/-23.748 χ^2/NDF: 29.8/26

Left In: -21.335+/-12.649 χ^2/NDF:25.4/22

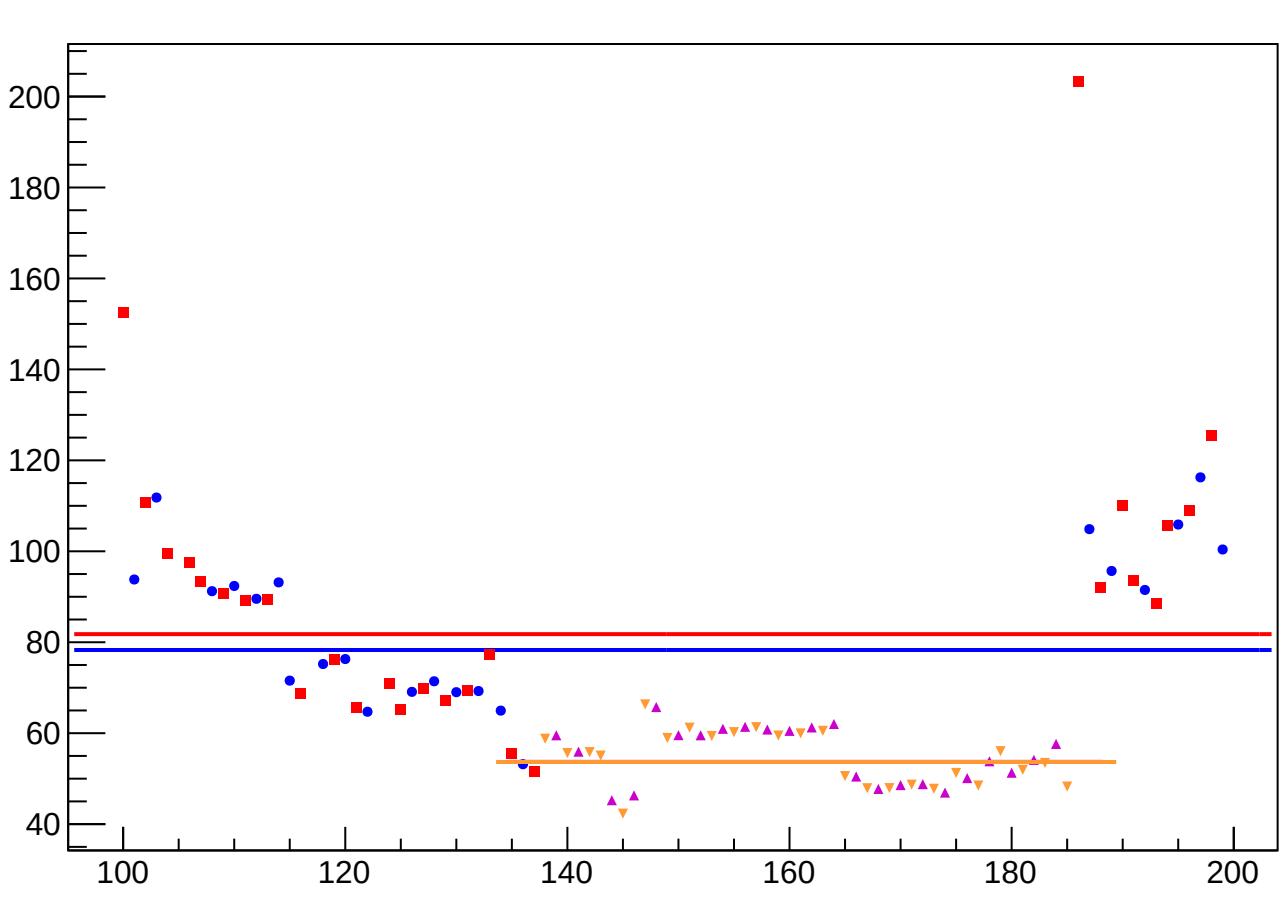
Left: -7.000+/-8.814 χ^2/NDF: 78.5/47

Right: -19.218+/-16.812 χ^2/NDF: 48.6/48

In: -26.624+/-11.170 χ^2/NDF:42.6/44

Out: 6.583+/-10.913 χ^2/NDF:80.4/51

All: -9.634+/-7.806 χ^2/NDF: 127.5/96



Right In: 78.293+/-0.017 χ^2/NDF: 1196915.0/21

Left Out: 53.666+/-0.009 χ^2/NDF:472206.8/24

Right Out: 81.781+/-0.017 χ^2/NDF: 1556678.5/26

Left In: 53.695+/-0.009 χ^2/NDF:471343.7/22

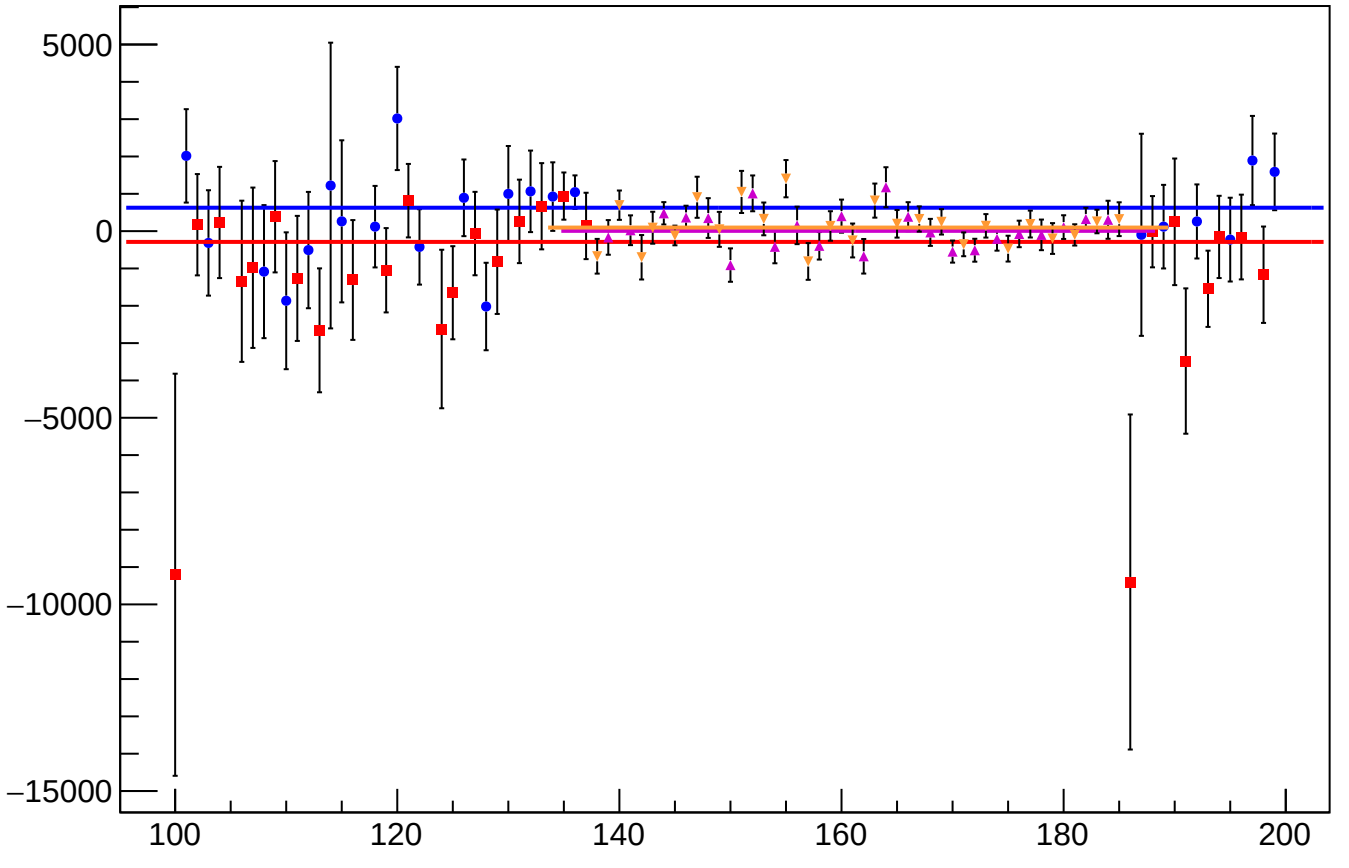
Left: 53.680+/-0.006 χ^2/NDF: 943555.9/47

Right: 80.041+/-0.012 χ^2/NDF: 2775113.4/48

In: 59.111+/-0.008 χ^2/NDF:3333659.8/44

Out: 59.603+/-0.008 χ^2/NDF:4240143.2/51

All: 59.363+/-0.006 χ^2/NDF: 7575785.0/96



Right In: 627.532+/-232.880 χ^2/NDF: 18.7/21

Left Out: 95.458+/-77.134 χ^2/NDF:33.2/24

Right Out: -288.418+/-240.820 χ^2/NDF: 24.5/26

Left In: 7.875+/-79.125 χ^2/NDF:32.3/22

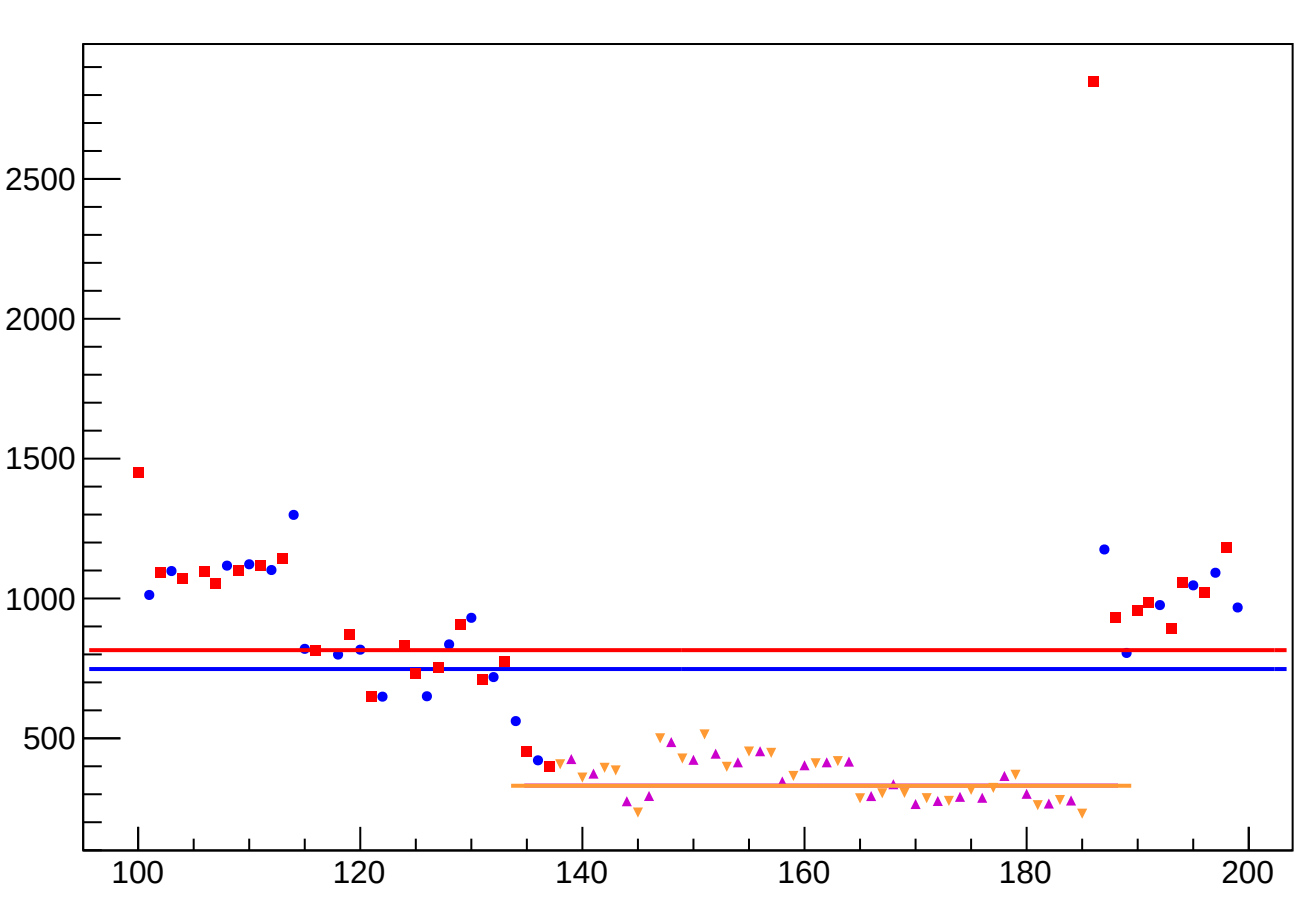
Left: 52.783+/-55.233 χ^2/NDF: 66.1/47

Right: 184.906+/-167.407 χ^2/NDF: 50.7/48

In: 72.007+/-74.919 χ^2/NDF:57.3/44

Out: 59.741+/-73.458 χ^2/NDF:60.0/51

All: 65.753+/-52.452 χ^2/NDF: 117.4/96



Right In: 747.687+/-0.165 χ^2/NDF: 2327970.0/21

Left Out: 330.405+/-0.055 χ^2/NDF:1752469.2/24

Right Out: 815.240+/-0.170 χ^2/NDF: 2457996.4/26

Left In: 331.058+/-0.056 χ^2/NDF:1325610.1/22

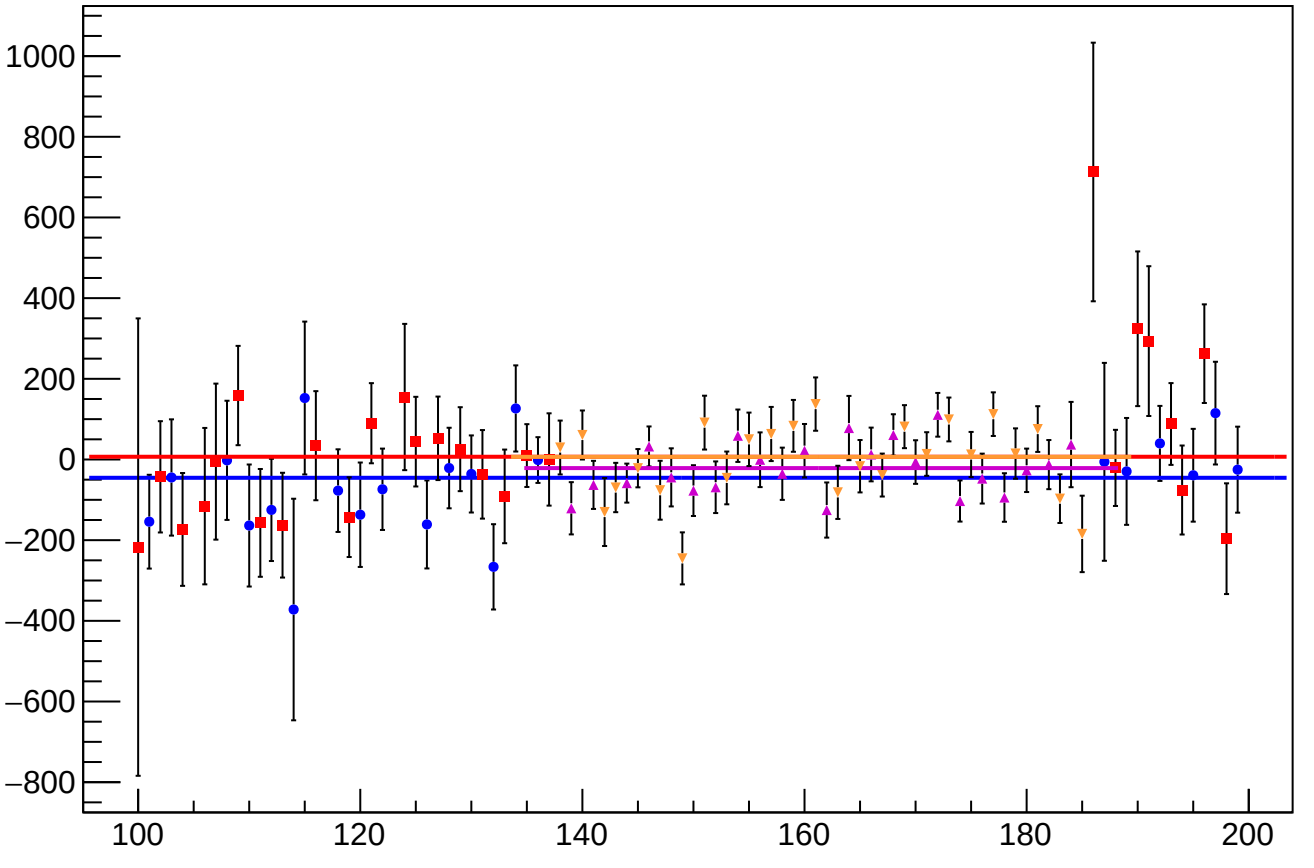
Left: 330.724+/-0.039 χ^2/NDF: 3078149.1/47

Right: 780.331+/-0.118 χ^2/NDF: 4867290.2/48

In: 374.178+/-0.053 χ^2/NDF:9392333.2/44

Out: 375.517+/-0.052 χ^2/NDF:11562687.8/51

All: 374.861+/-0.037 χ^2/NDF: 20955346.9/96



Right In: -45.354+/-23.804 χ^2/NDF: 16.4/21

Left Out: 6.526+/-12.287 χ^2/NDF:50.6/24

Right Out: 6.796+/-23.748 χ^2/NDF: 29.8/26

Left In: -21.335+/-12.649 χ^2/NDF:25.4/22

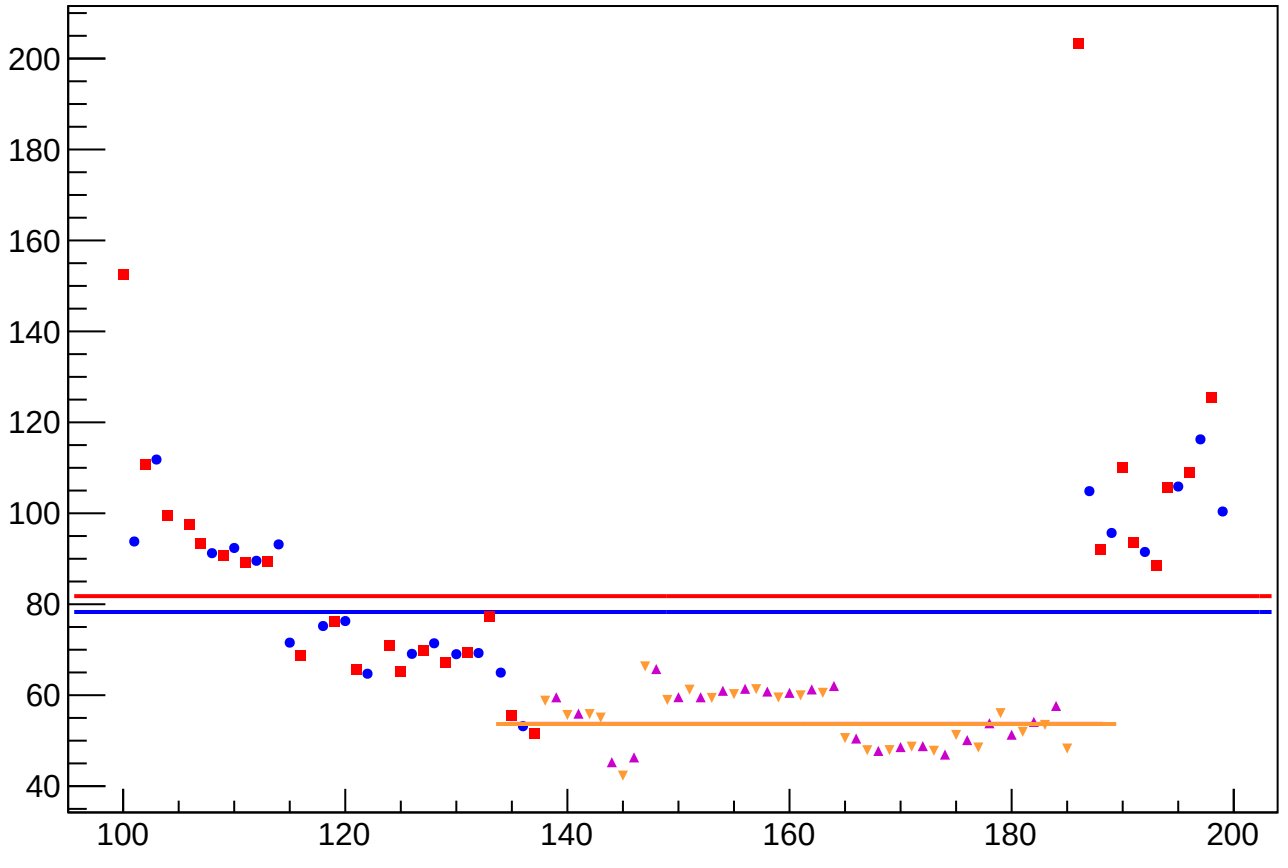
Left: -7.000+/-8.814 χ^2/NDF: 78.5/47

Right: -19.218+/-16.812 χ^2/NDF: 48.6/48

In: -26.624+/-11.170 χ^2/NDF:42.6/44

Out: 6.583+/-10.913 χ^2/NDF:80.4/51

All: -9.634+/-7.806 χ^2/NDF: 127.5/96



Right In: 78.293+/-0.017 χ^2/NDF: 1196915.0/21

Left Out: 53.666+/-0.009 χ^2/NDF:472206.8/24

Right Out: 81.781+/-0.017 χ^2/NDF: 1556678.5/26

Left In: 53.695+/-0.009 χ^2/NDF:471343.7/22

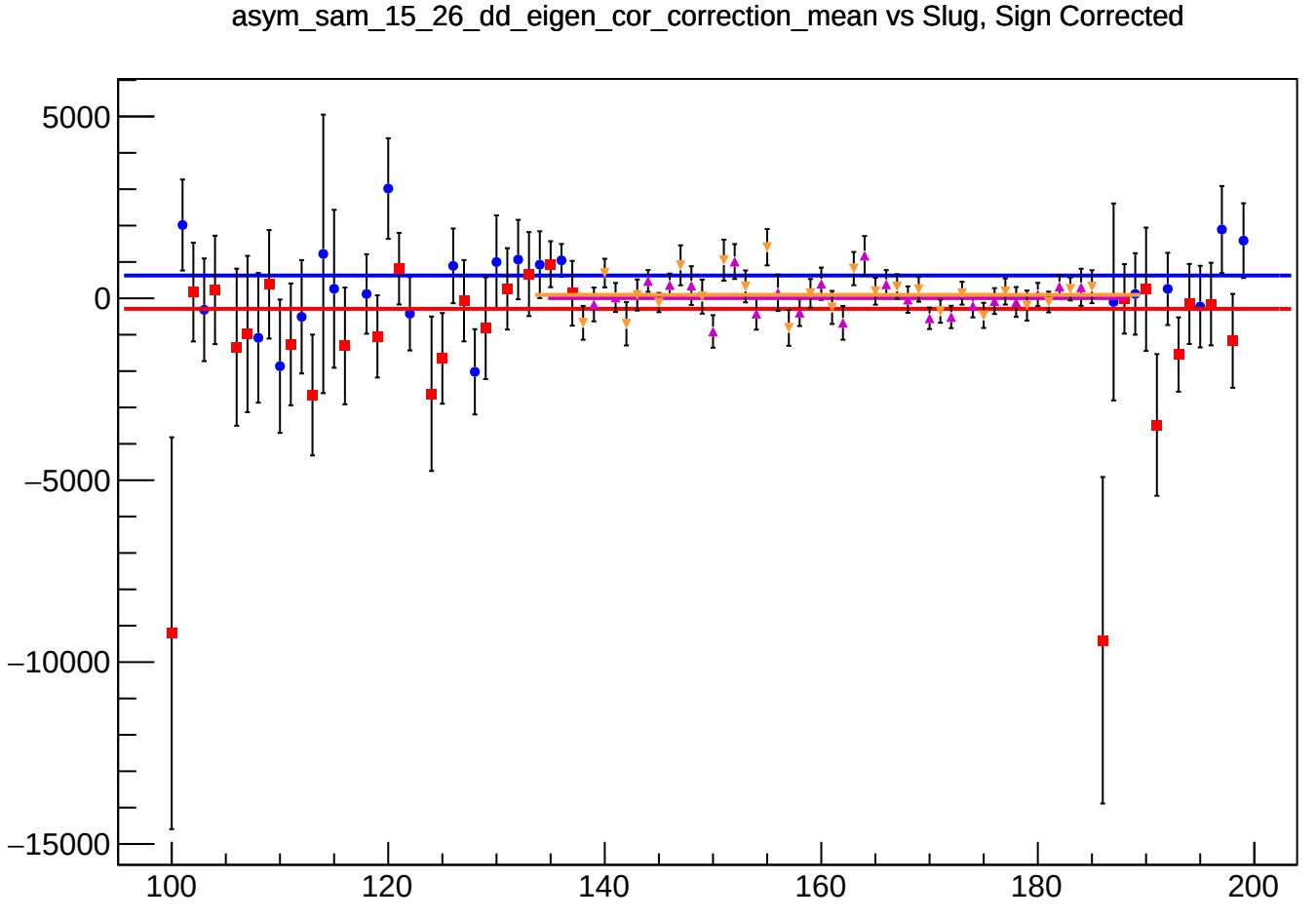
Left: 53.680+/-0.006 χ^2/NDF: 943555.9/47

Right: 80.041+/-0.012 χ^2/NDF: 2775113.4/48

In: 59.111+/-0.008 χ^2/NDF:3333659.8/44

Out: 59.603+/-0.008 χ^2/NDF:4240143.2/51

All: 59.363+/-0.006 χ^2/NDF: 7575785.0/96



Right In: 627.532+/-232.880 χ^2/NDF: 18.7/21

Left Out: 95.458+/-77.134 χ^2/NDF:33.2/24

Right Out: -288.418+/-240.820 χ^2/NDF: 24.5/26

Left In: 7.875+/-79.125 χ^2/NDF:32.3/22

Left: 52.783+/-55.233 χ^2/NDF: 66.1/47

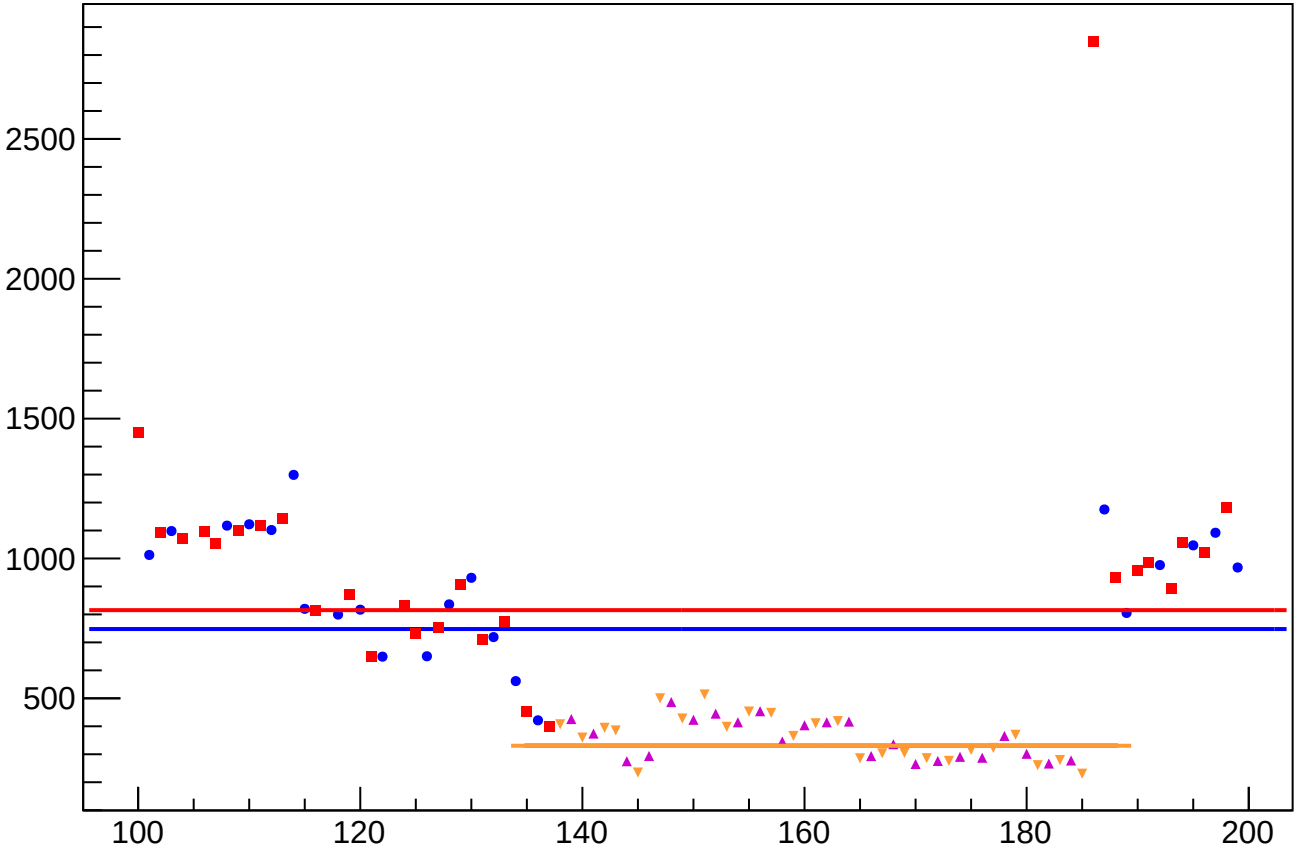
Right: 184.906+/-167.407 χ^2/NDF: 50.7/48

In: 72.007+/-74.919 χ^2/NDF:57.3/44

Out: 59.741+/-73.458 χ^2/NDF:60.0/51

All: 65.753+/-52.452 χ^2/NDF: 117.4/96

asym_sam_15_26_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 747.687+/-0.165 χ^2/NDF: 2327970.0/21

Left Out: 330.405+/-0.055 χ^2/NDF:1752469.2/24

Right Out: 815.240+/-0.170 χ^2/NDF: 2457996.4/26

Left In: 331.058+/-0.056 χ^2/NDF:1325610.1/22

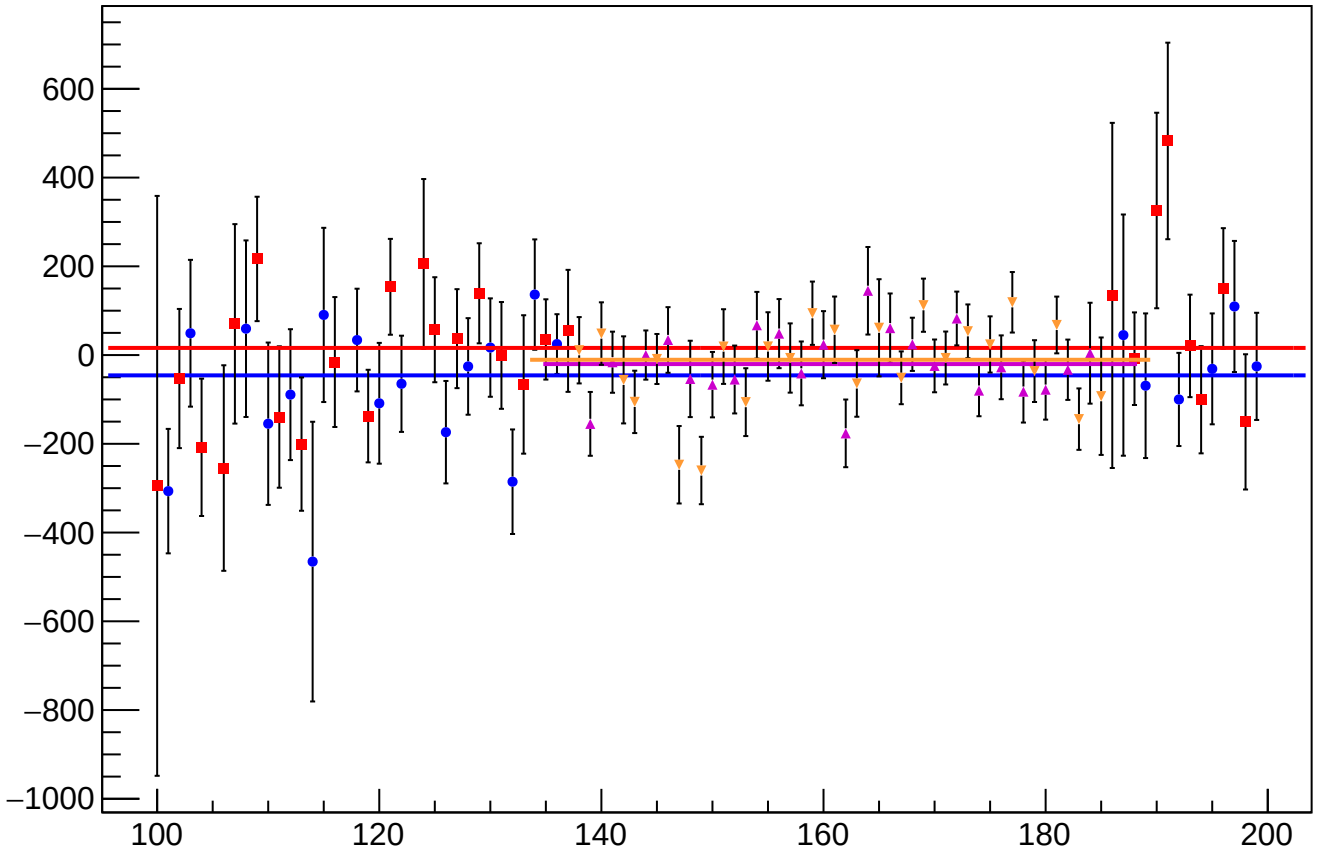
Left: 330.724+/-0.039 χ^2/NDF: 3078149.1/47

Right: 780.331+/-0.118 χ^2/NDF: 4867290.2/48

In: 374.178+/-0.053 χ^2/NDF:9392333.2/44

Out: 375.517+/-0.052 χ^2/NDF:11562687.8/51

All: 374.861+/-0.037 χ^2/NDF: 20955346.9/96



Right In: -45.765+/-27.148 χ^2/NDF: 18.0/21

Left Out: -10.614+/-14.311 χ^2/NDF:42.2/24

Right Out: 16.102+/-26.676 χ^2/NDF: 25.3/26

Left In: -20.306+/-14.750 χ^2/NDF:21.7/22

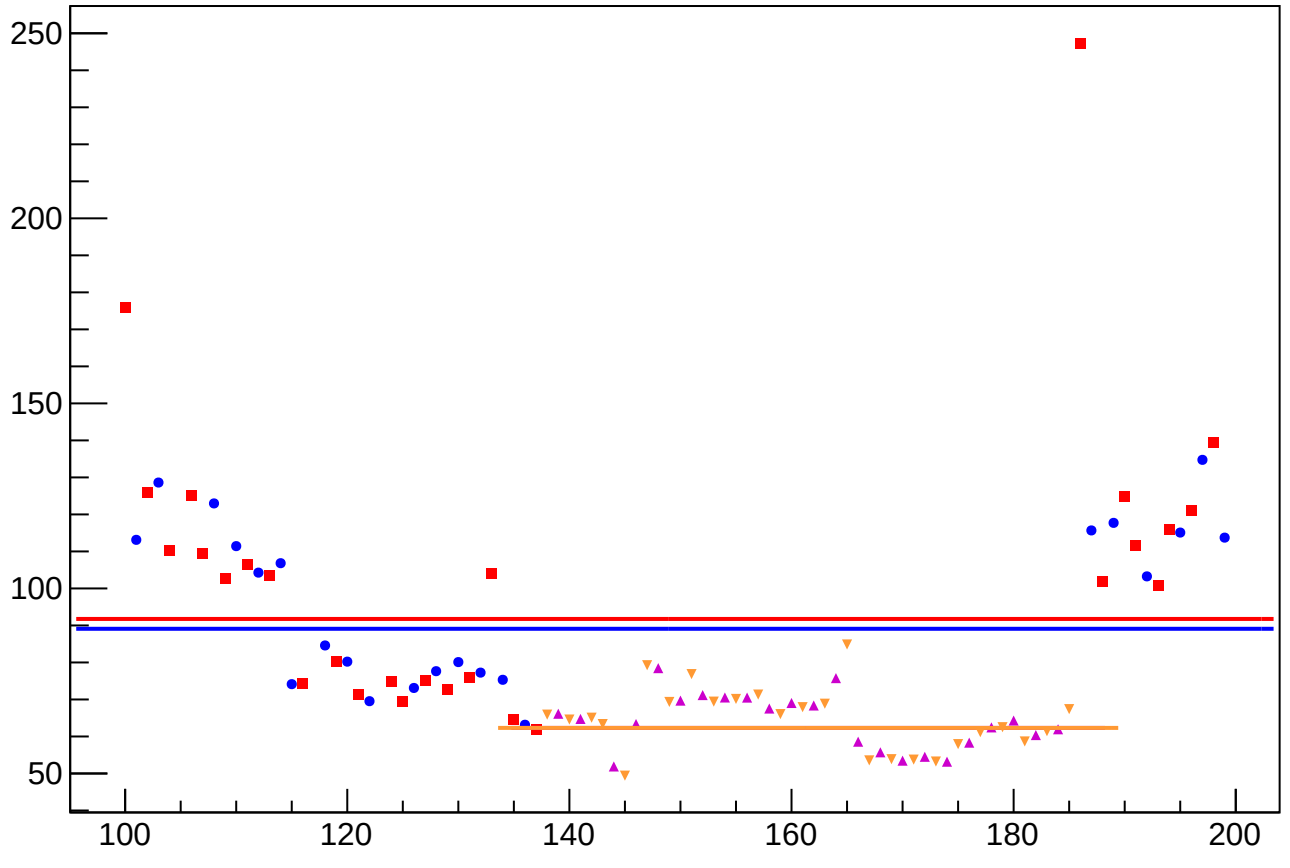
Left: -15.313+/-10.271 χ^2/NDF: 64.1/47

Right: -14.288+/-19.027 χ^2/NDF: 45.9/48

In: -26.108+/-12.961 χ^2/NDF:40.4/44

Out: -4.643+/-12.611 χ^2/NDF:68.3/51

All: -15.082+/-9.038 χ^2/NDF: 110.0/96



Right In: 89.098+/-0.019 χ^2/NDF: 1269458.3/21

Left Out: 62.316+/-0.010 χ^2/NDF:636269.1/24

Right Out: 91.759+/-0.019 χ^2/NDF: 1668090.8/26

Left In: 62.310+/-0.010 χ^2/NDF:484549.5/22

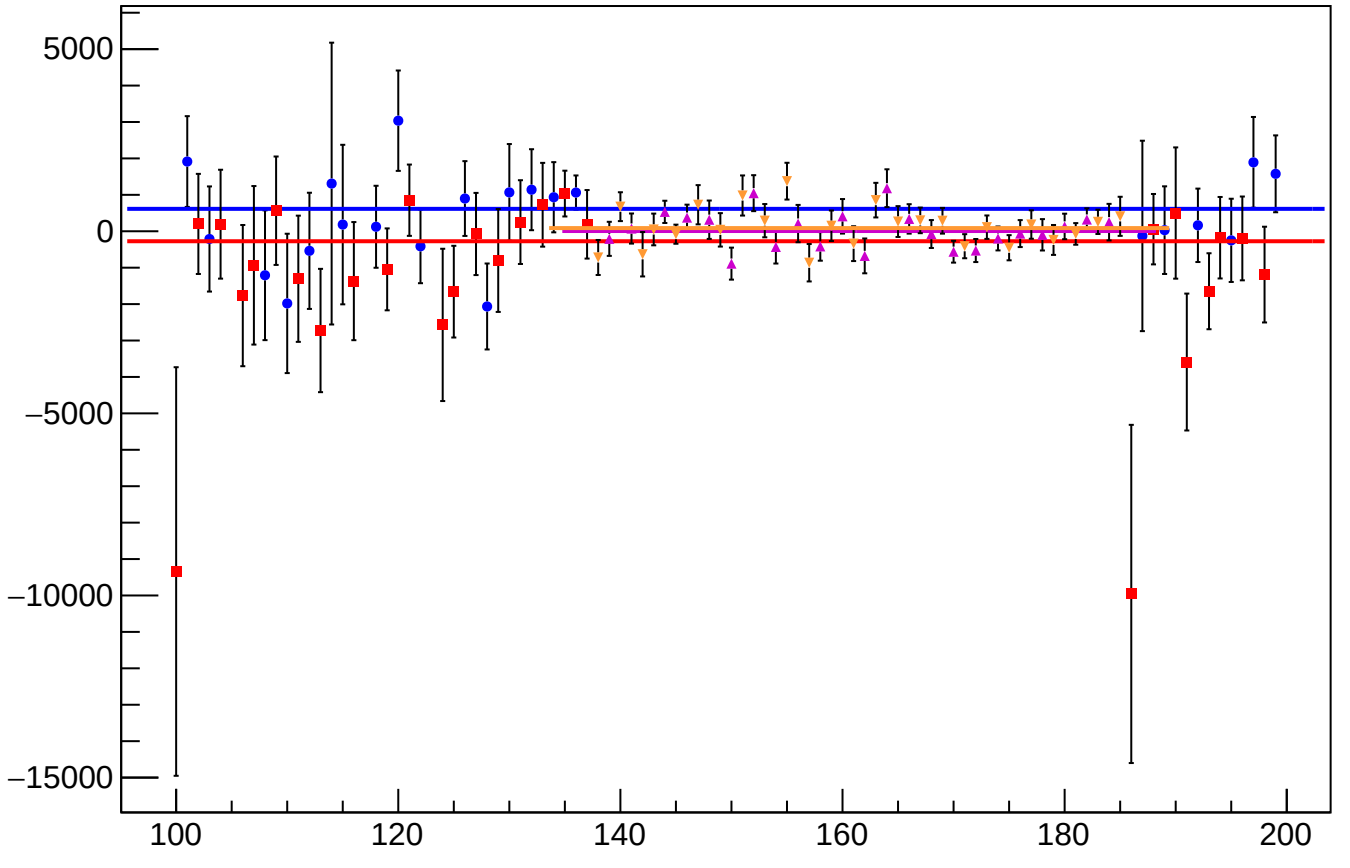
Left: 62.313+/-0.007 χ^2/NDF: 1120818.8/47

Right: 90.452+/-0.013 χ^2/NDF: 2947326.5/48

In: 68.415+/-0.009 χ^2/NDF:3257374.9/44

Out: 68.896+/-0.009 χ^2/NDF:4196263.4/51

All: 68.662+/-0.006 χ^2/NDF: 7455051.2/96



Right In: 615.267+/-239.387 χ^2/NDF: 18.8/21

Left Out: 86.985+/-79.837 χ^2/NDF:31.7/24

Right Out: -274.023+/-243.141 χ^2/NDF: 26.7/26

Left In: 6.497+/-82.111 χ^2/NDF:32.4/22

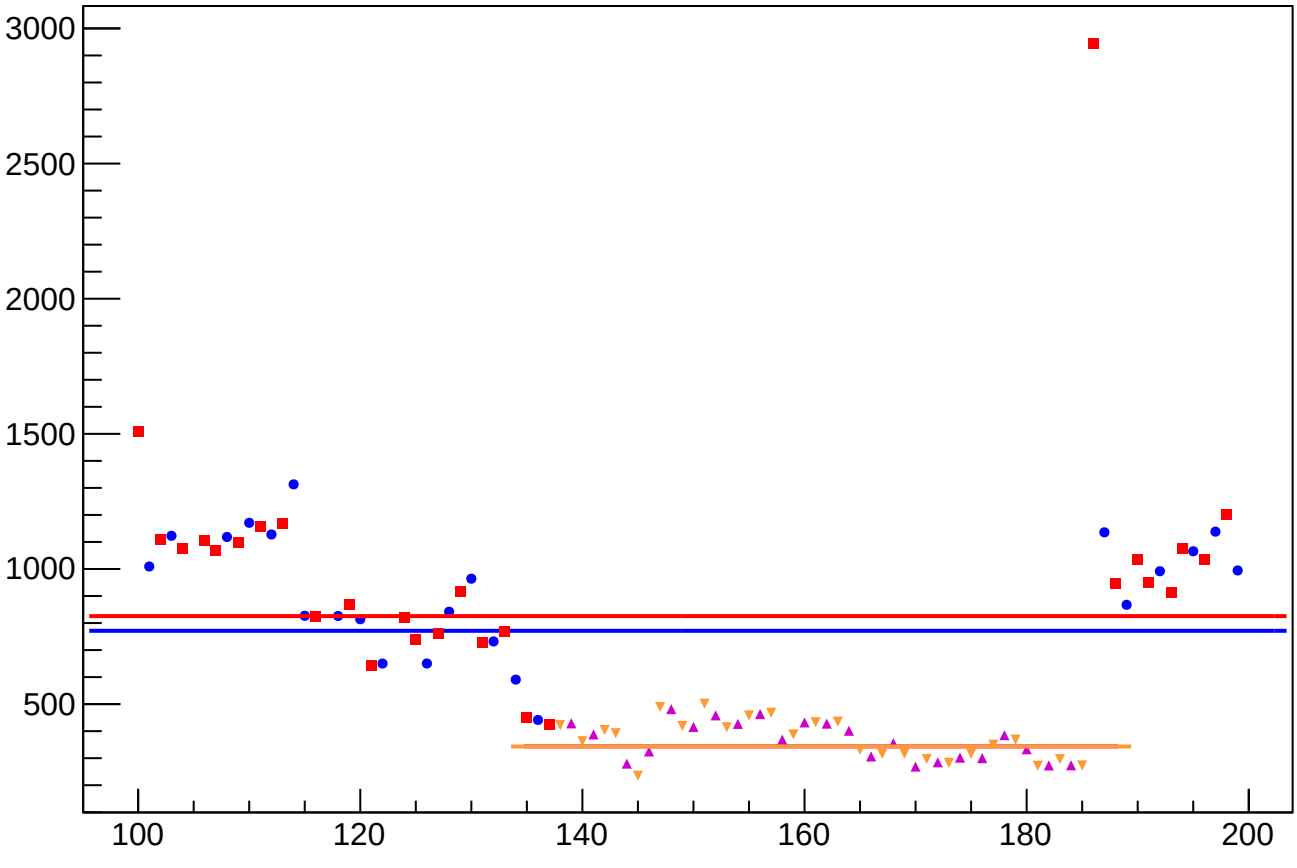
Left: 47.871+/-57.240 χ^2/NDF: 64.6/47

Right: 177.541+/-170.584 χ^2/NDF: 52.2/48

In: 70.580+/-77.669 χ^2/NDF:57.0/44

Out: 51.850+/-75.852 χ^2/NDF:60.3/51

All: 60.994+/-54.266 χ^2/NDF: 117.3/96



Right In: 771.329+/-0.169 χ^2/NDF: 2207816.9/21

Left Out: 343.225+/-0.056 χ^2/NDF:1595394.3/24

Right Out: 825.572+/-0.172 χ^2/NDF: 2483056.9/26

Left In: 343.717+/-0.058 χ^2/NDF:1258376.8/22

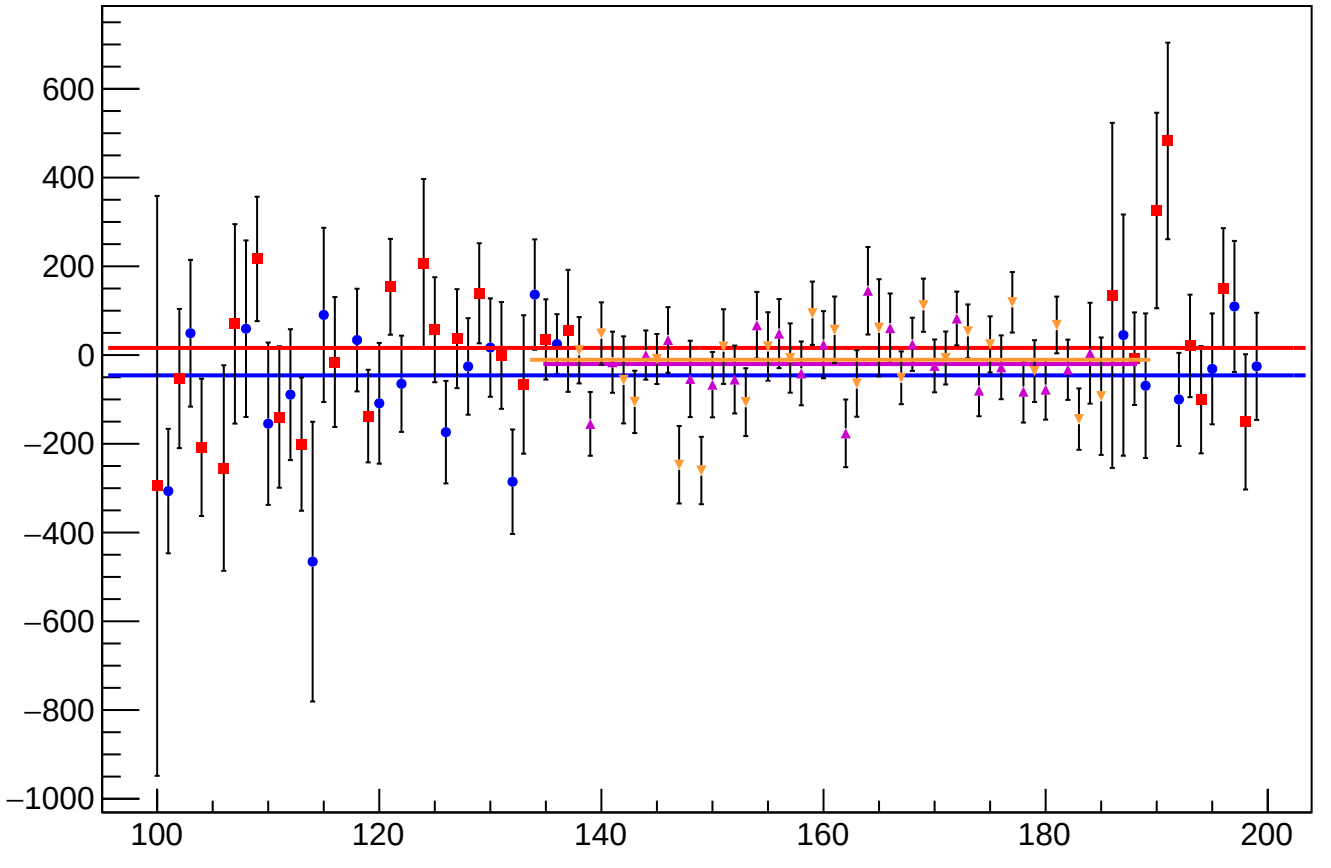
Left: 343.464+/-0.040 χ^2/NDF: 2853808.0/47

Right: 798.028+/-0.121 χ^2/NDF: 4741419.4/48

In: 388.730+/-0.055 χ^2/NDF:9176009.1/44

Out: 390.169+/-0.054 χ^2/NDF:11183453.2/51

All: 389.466+/-0.038 χ^2/NDF: 20359813.4/96



Right In: -45.765+/-27.148 χ^2/NDF: 18.0/21

Left Out: -10.613+/-14.311 χ^2/NDF:42.2/24

Right Out: 16.102+/-26.676 χ^2/NDF: 25.3/26

Left In: -20.306+/-14.750 χ^2/NDF:21.7/22

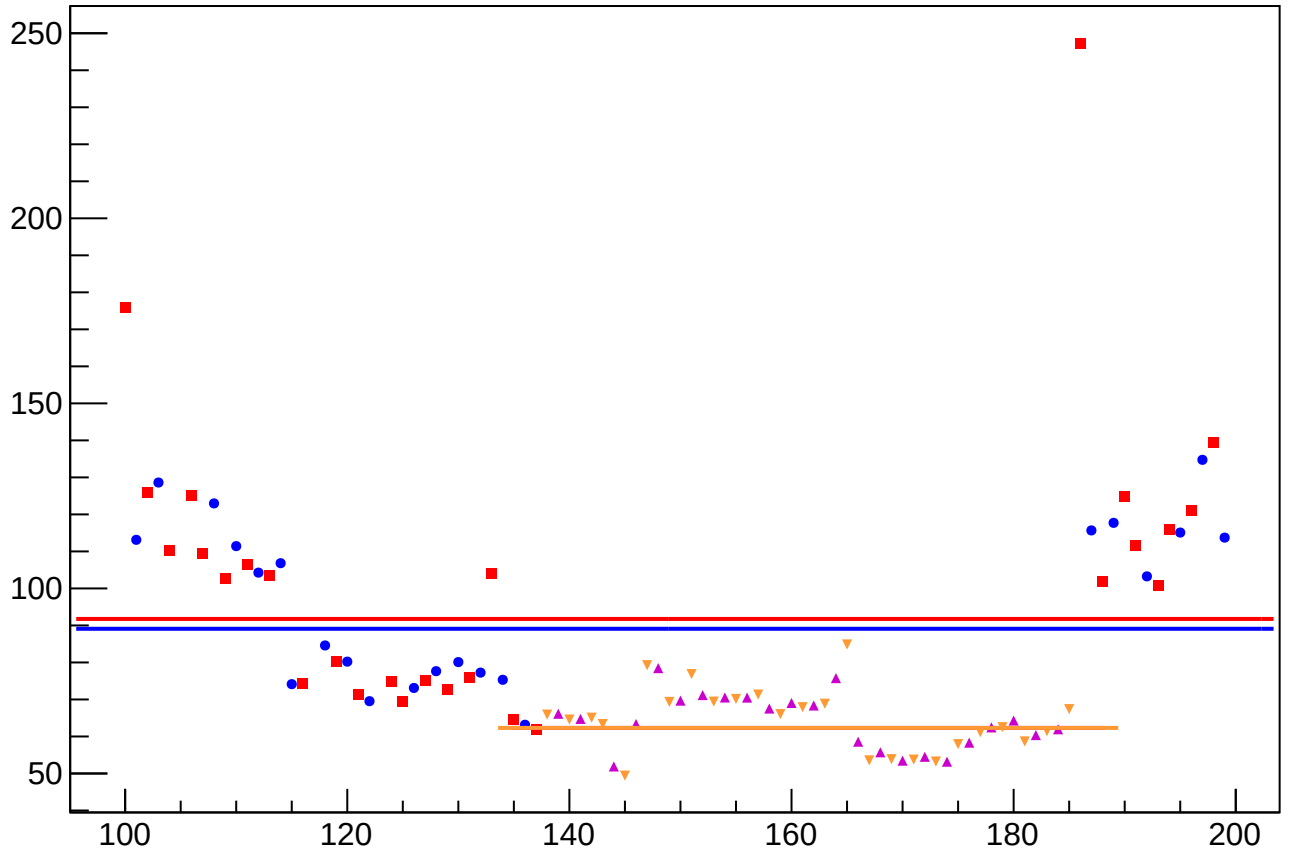
Left: -15.313+/-10.271 χ^2/NDF: 64.1/47

Right: -14.288+/-19.027 χ^2/NDF: 45.9/48

In: -26.108+/-12.961 χ^2/NDF:40.4/44

Out: -4.643+/-12.611 χ^2/NDF:68.3/51

All: -15.082+/-9.038 χ^2/NDF: 110.0/96



Right In: 89.097+/-0.019 χ^2/NDF: 1269473.4/21

Left Out: 62.316+/-0.010 χ^2/NDF:636268.2/24

Right Out: 91.758+/-0.019 χ^2/NDF: 1668082.3/26

Left In: 62.311+/-0.010 χ^2/NDF:484544.3/22

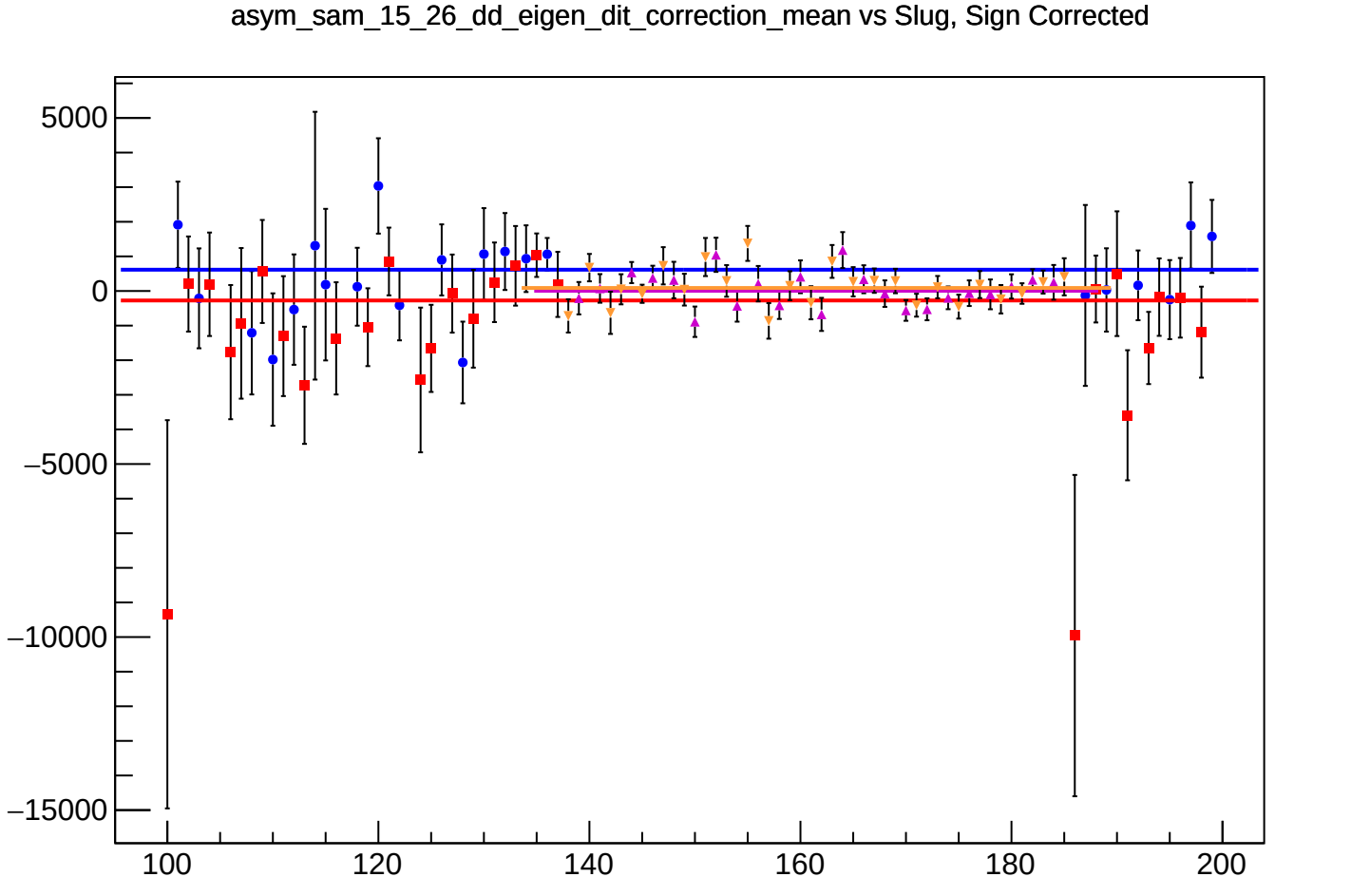
Left: 62.314+/-0.007 χ^2/NDF: 1120812.6/47

Right: 90.451+/-0.013 χ^2/NDF: 2947334.2/48

In: 68.416+/-0.009 χ^2/NDF:3257326.7/44

Out: 68.896+/-0.009 χ^2/NDF:4196222.3/51

All: 68.662+/-0.006 χ^2/NDF: 7454961.4/96



Right In: 615.266+/-239.387 χ^2/NDF: 18.8/21

Left Out: 86.985+/-79.837 χ^2/NDF:31.7/24

Right Out: -274.024+/-243.141 χ^2/NDF: 26.7/26

Left In: 6.497+/-82.111 χ^2/NDF:32.4/22

Left: 47.871+/-57.240 χ^2/NDF: 64.6/47

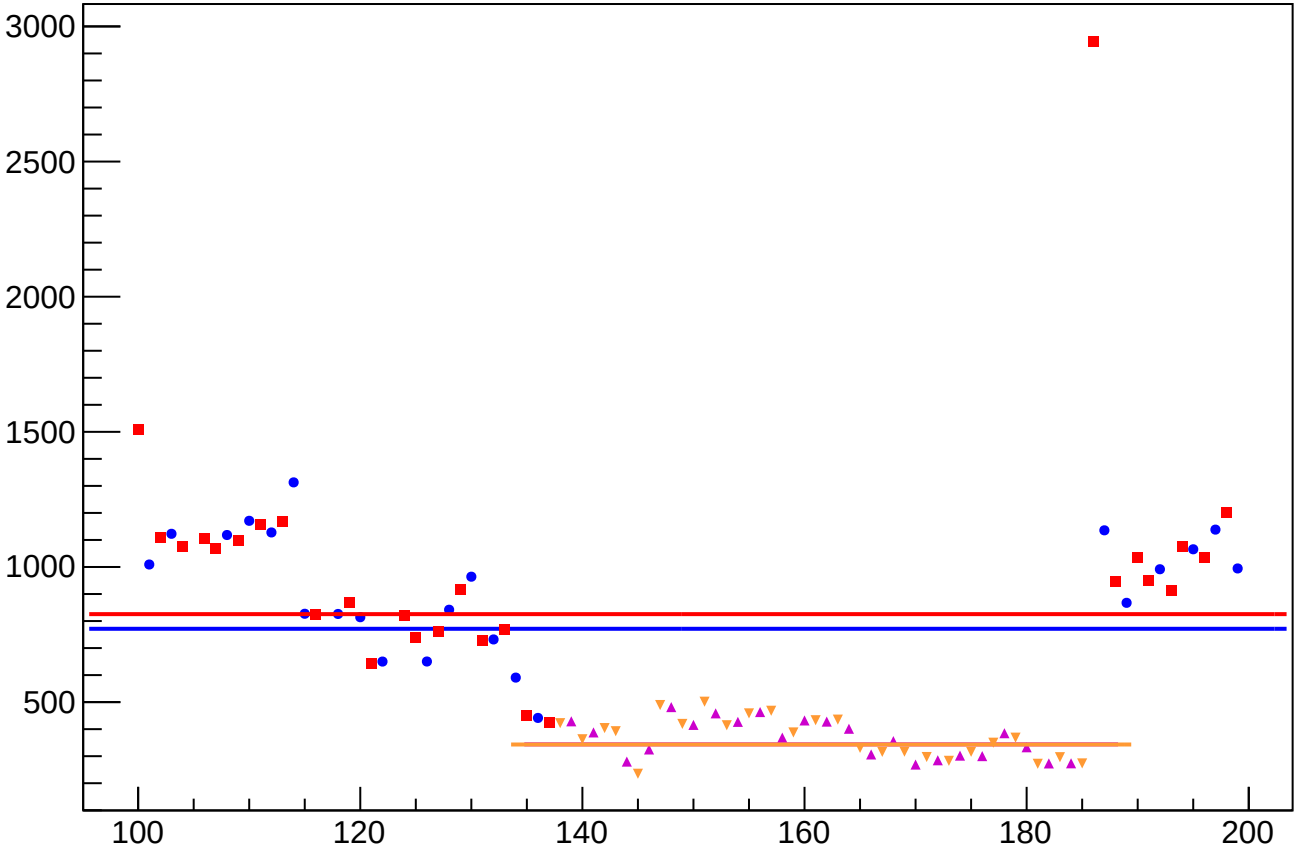
Right: 177.540+/-170.584 χ^2/NDF: 52.2/48

In: 70.581+/-77.669 χ^2/NDF:57.0/44

Out: 51.850+/-75.852 χ^2/NDF:60.3/51

All: 60.994+/-54.266 χ^2/NDF: 117.3/96

asym_sam_15_26_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 771.328+/-0.169 χ^2/NDF: 2207807.9/21

Left Out: 343.225+/-0.056 χ^2/NDF:1595415.4/24

Right Out: 825.571+/-0.172 χ^2/NDF: 2483052.4/26

Left In: 343.717+/-0.058 χ^2/NDF:1258392.0/22

Left: 343.464+/-0.040 χ^2/NDF: 2853844.3/47

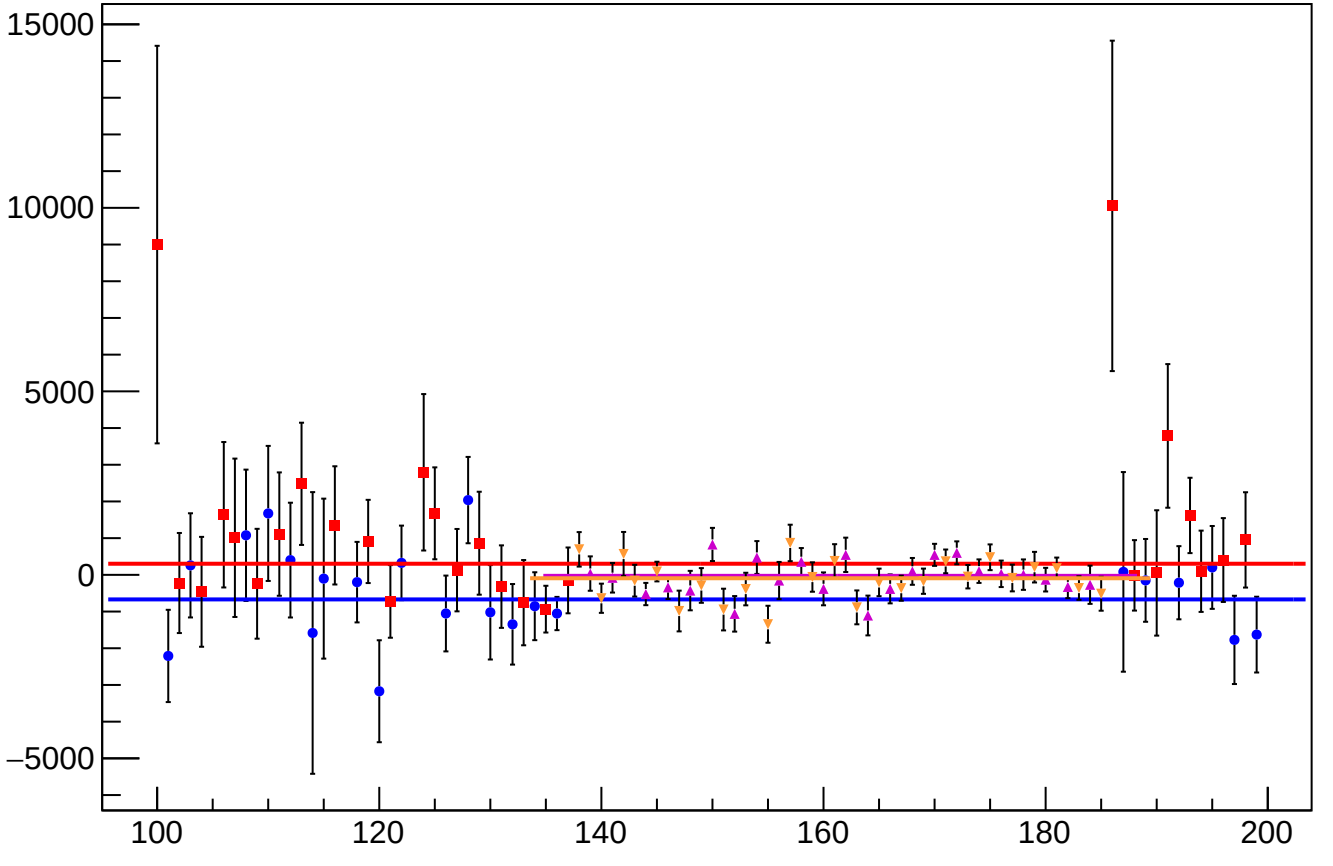
Right: 798.028+/-0.121 χ^2/NDF: 4741405.8/48

In: 388.730+/-0.055 χ^2/NDF:9176001.9/44

Out: 390.169+/-0.054 χ^2/NDF:11183457.1/51

All: 389.467+/-0.038 χ^2/NDF: 20359810.2/96

asym_sam_15_26_dd_mean vs Slug, Sign Corrected



Right In: -669.352+/-234.291 χ^2/NDF: 18.9/21

Left Out: -92.671+/-78.184 χ^2/NDF:34.2/24

Right Out: 302.738+/-241.835 χ^2/NDF: 25.3/26

Left In: -27.173+/-80.207 χ^2/NDF:30.9/22

Left: -60.759+/-55.986 χ^2/NDF: 65.4/47

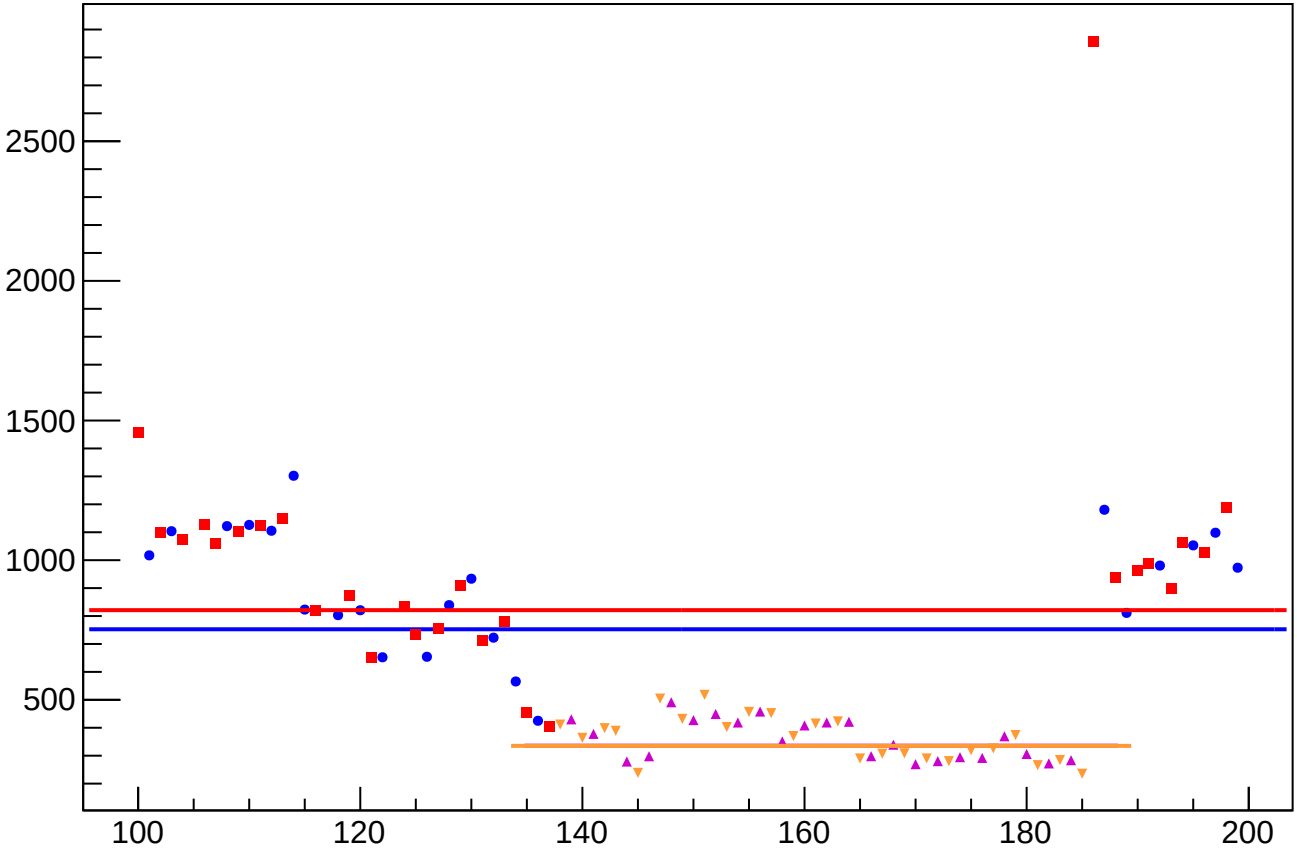
Right: -198.705+/-168.272 χ^2/NDF: 52.5/48

In: -94.540+/-75.884 χ^2/NDF:56.6/44

Out: -55.254+/-74.393 χ^2/NDF:61.9/51

All: -74.507+/-53.123 χ^2/NDF: 118.6/96

asym_sam_15_26_dd_rms vs Slug, Sign Corrected



Right In: 752.616+/-0.166 χ^2/NDF: 2307067.7/21

Left Out: 335.150+/-0.055 χ^2/NDF:1706014.2/24

Right Out: 821.067+/-0.171 χ^2/NDF: 2457508.8/26

Left In: 335.787+/-0.057 χ^2/NDF:1291376.5/22

Left: 335.460+/-0.040 χ^2/NDF: 2997455.5/47

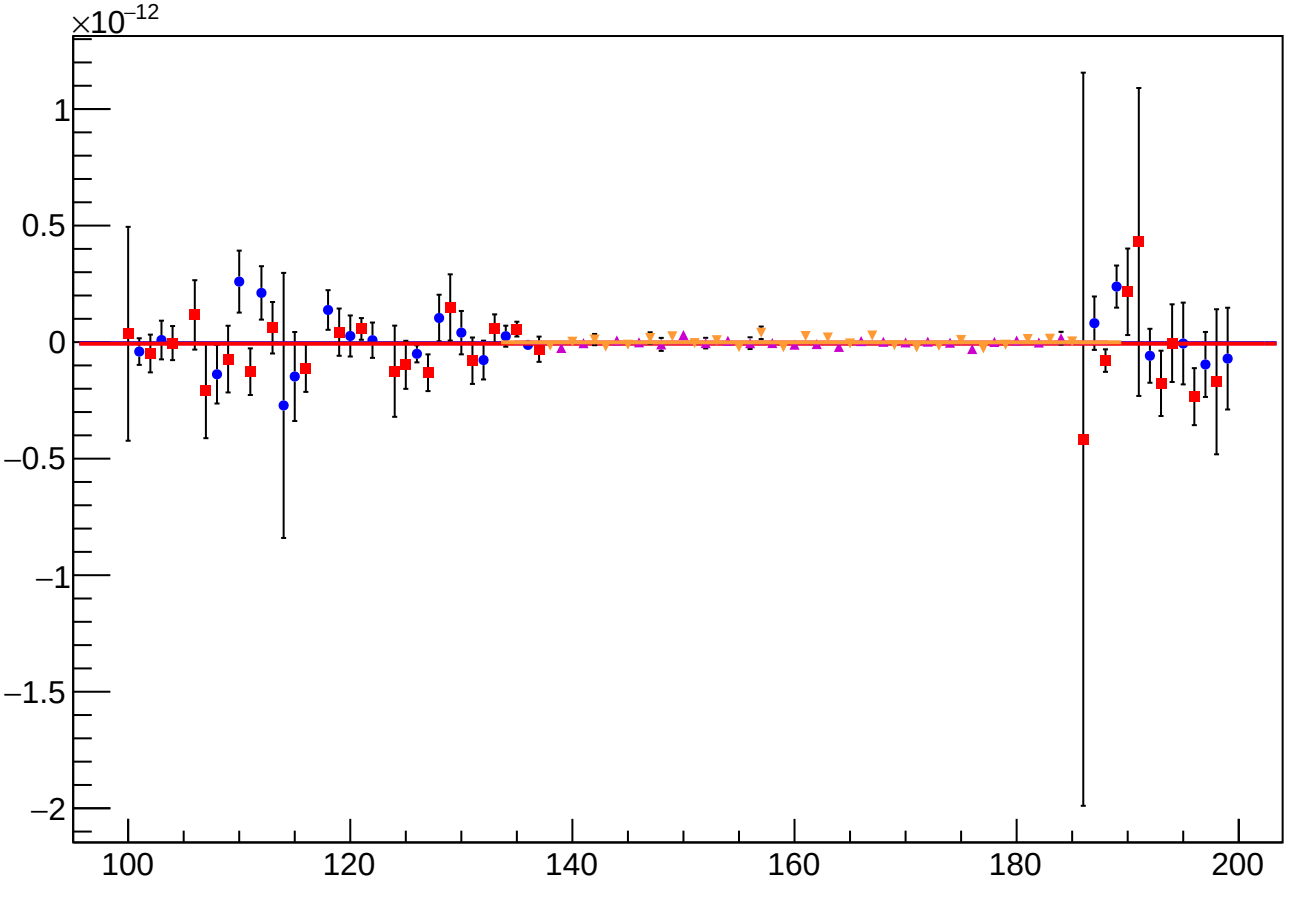
Right: 785.757+/-0.119 χ^2/NDF: 4847230.9/48

In: 379.514+/-0.054 χ^2/NDF:9264807.9/44

Out: 381.132+/-0.053 χ^2/NDF:11473957.5/51

All: 380.339+/-0.038 χ^2/NDF: 20739229.1/96

asym_sam_15_26_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 25.8/21

Left Out: -0.000+/-0.000 χ^2/NDF:33.3/24

Right Out: -0.000+/-0.000 χ^2/NDF: 27.1/26

Left In: -0.000+/-0.000 χ^2/NDF:14.8/22

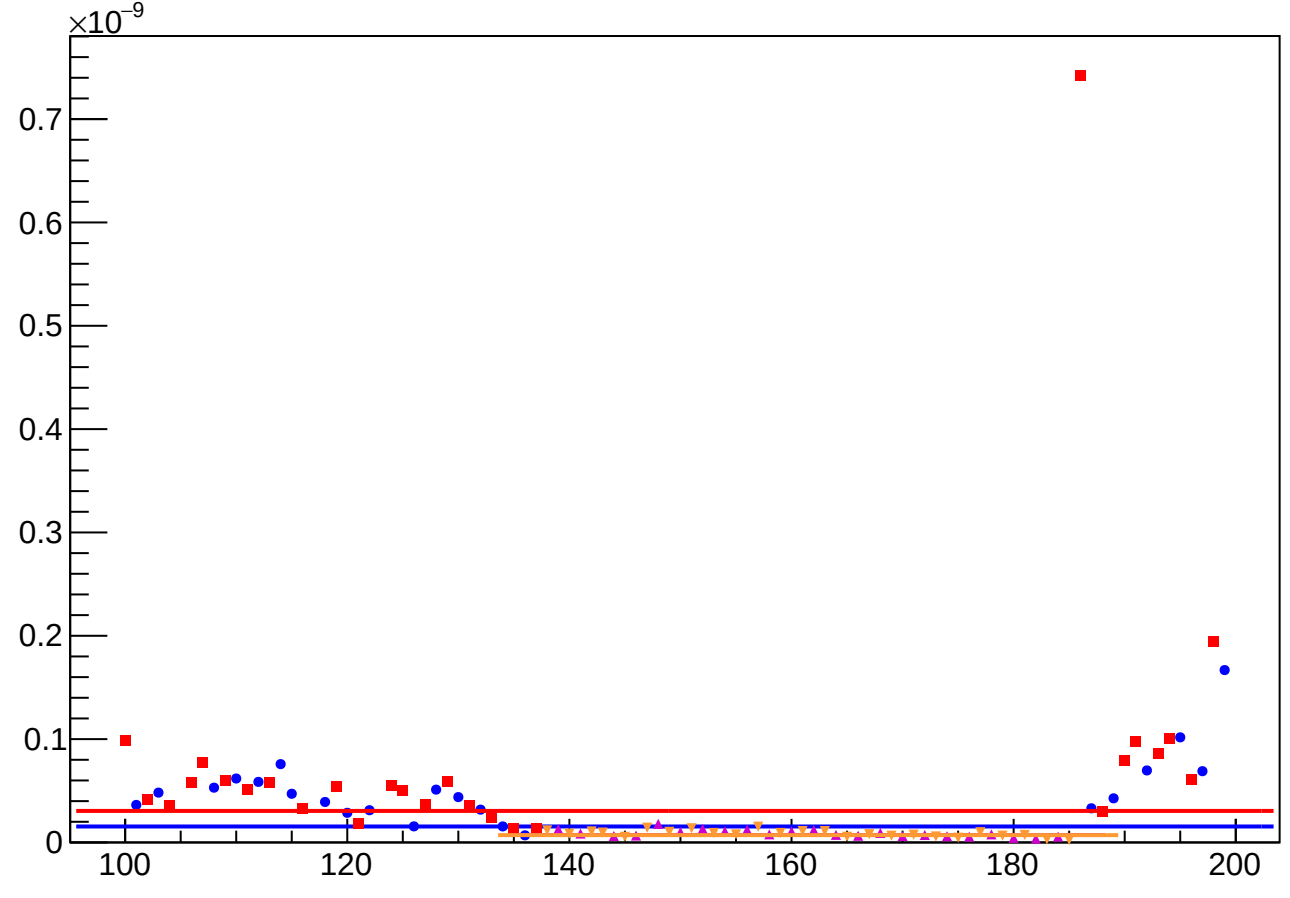
Left: -0.000+/-0.000 χ^2/NDF: 48.1/47

Right: -0.000+/-0.000 χ^2/NDF: 53.0/48

In: -0.000+/-0.000 χ^2/NDF:40.6/44

Out: -0.000+/-0.000 χ^2/NDF:60.5/51

All: -0.000+/-0.000 χ^2/NDF: 101.2/96



Right In: 0.000+/-0.000 χ^2/NDF: 5519631.5/21

Left Out: 0.000+/-0.000 χ^2/NDF:2000233.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3722371.3/26

Left In: 0.000+/-0.000 χ^2/NDF:1604062.0/22

Left: 0.000+/-0.000 χ^2/NDF: 3606525.6/47

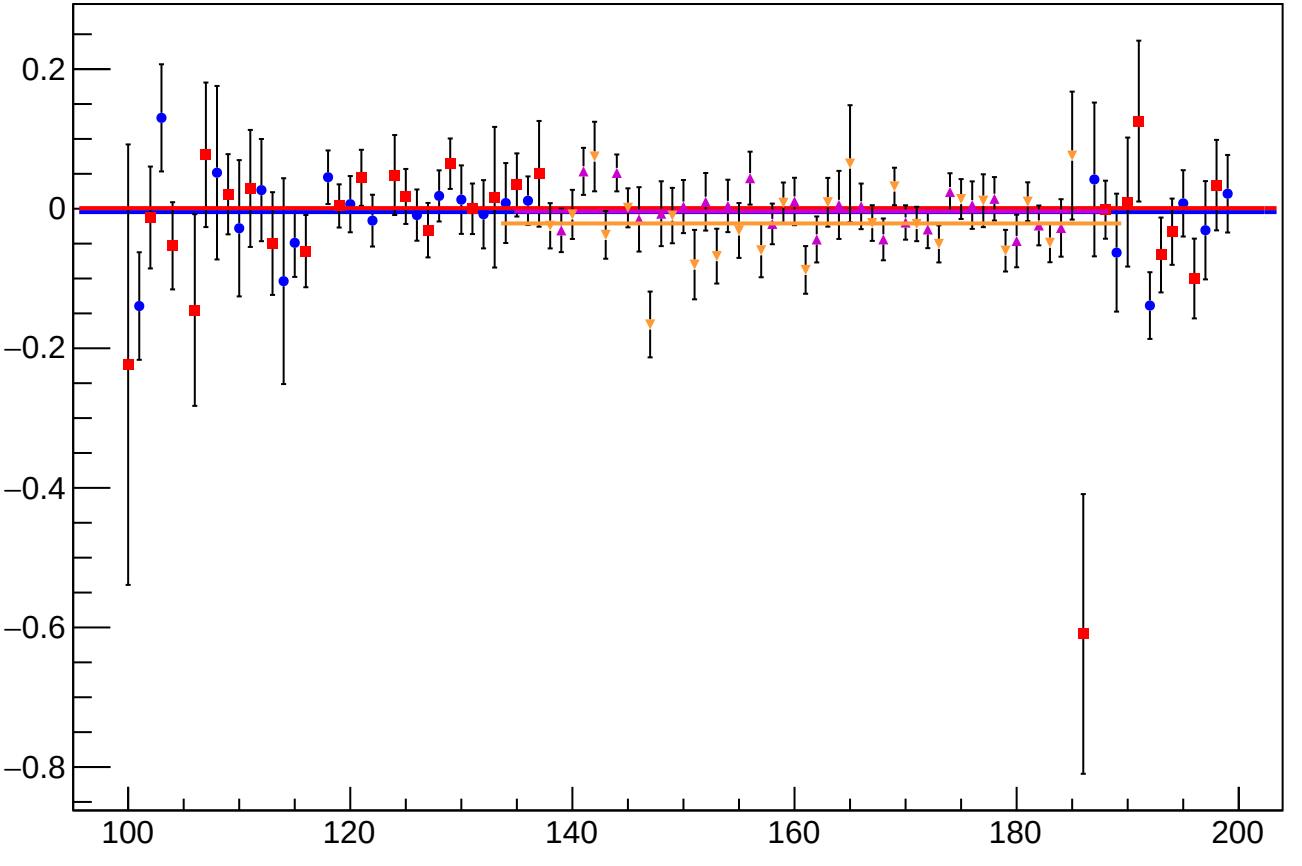
Right: 0.000+/-0.000 χ^2/NDF: 10511744.1/48

In: 0.000+/-0.000 χ^2/NDF:8315115.5/44

Out: 0.000+/-0.000 χ^2/NDF:9937281.9/51

All: 0.000+/-0.000 χ^2/NDF: 18252668.4/96

asym_sam_15_26_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.005+/-0.011 χ^2/NDF: 19.5/21

Left Out: -0.021+/-0.007 χ^2/NDF:37.2/24

Right Out: 0.001+/-0.010 χ^2/NDF: 27.8/26

Left In: -0.004+/-0.007 χ^2/NDF:18.7/22

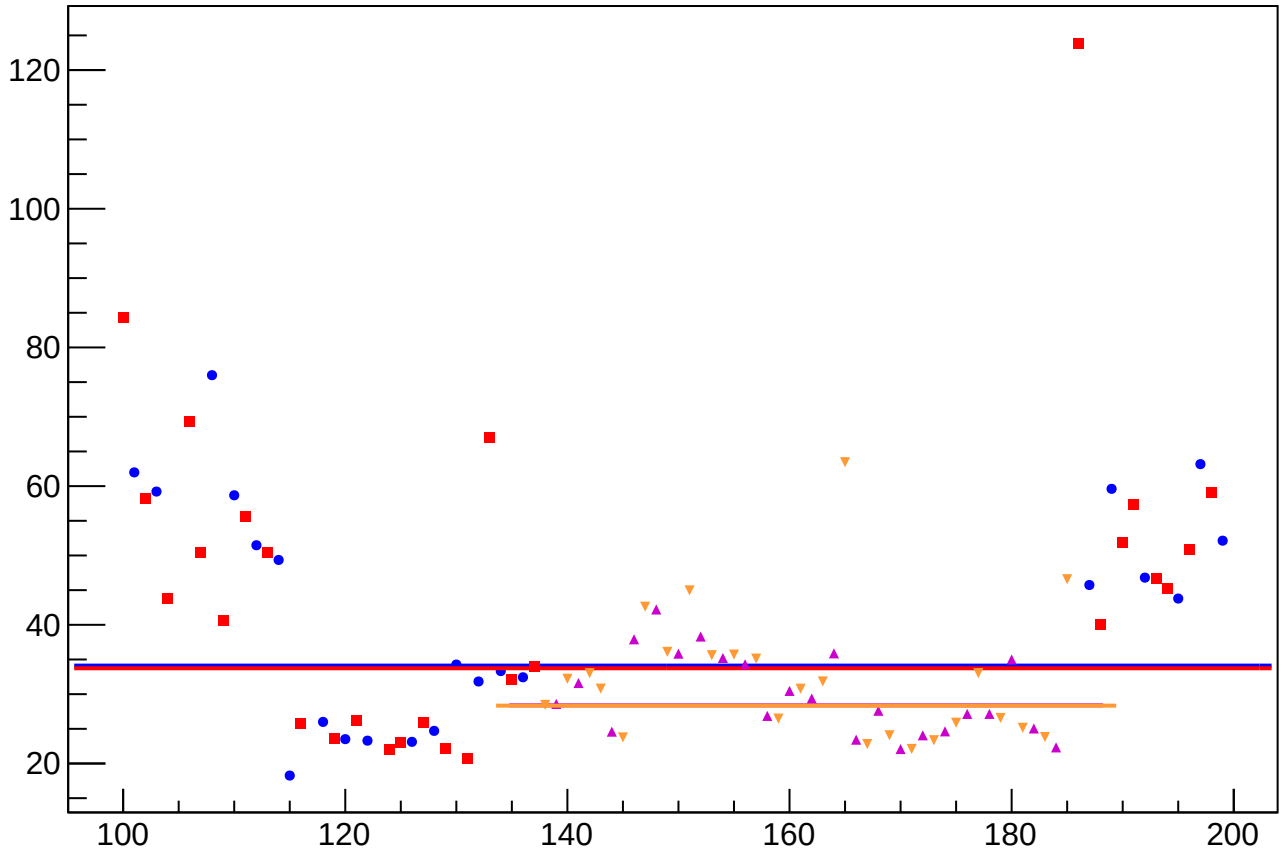
Left: -0.013+/-0.005 χ^2/NDF: 59.1/47

Right: -0.002+/-0.008 χ^2/NDF: 47.4/48

In: -0.004+/-0.006 χ^2/NDF:38.2/44

Out: -0.015+/-0.006 χ^2/NDF:68.1/51

All: -0.010+/-0.004 χ^2/NDF: 108.0/96



Right In: 34.117+/-0.008 χ^2/NDF: 2870957.4/21

Left Out: 28.342+/-0.005 χ^2/NDF:1733592.1/24

Right Out: 33.733+/-0.007 χ^2/NDF: 3442055.3/26

Left In: 28.389+/-0.005 χ^2/NDF:1098849.1/22

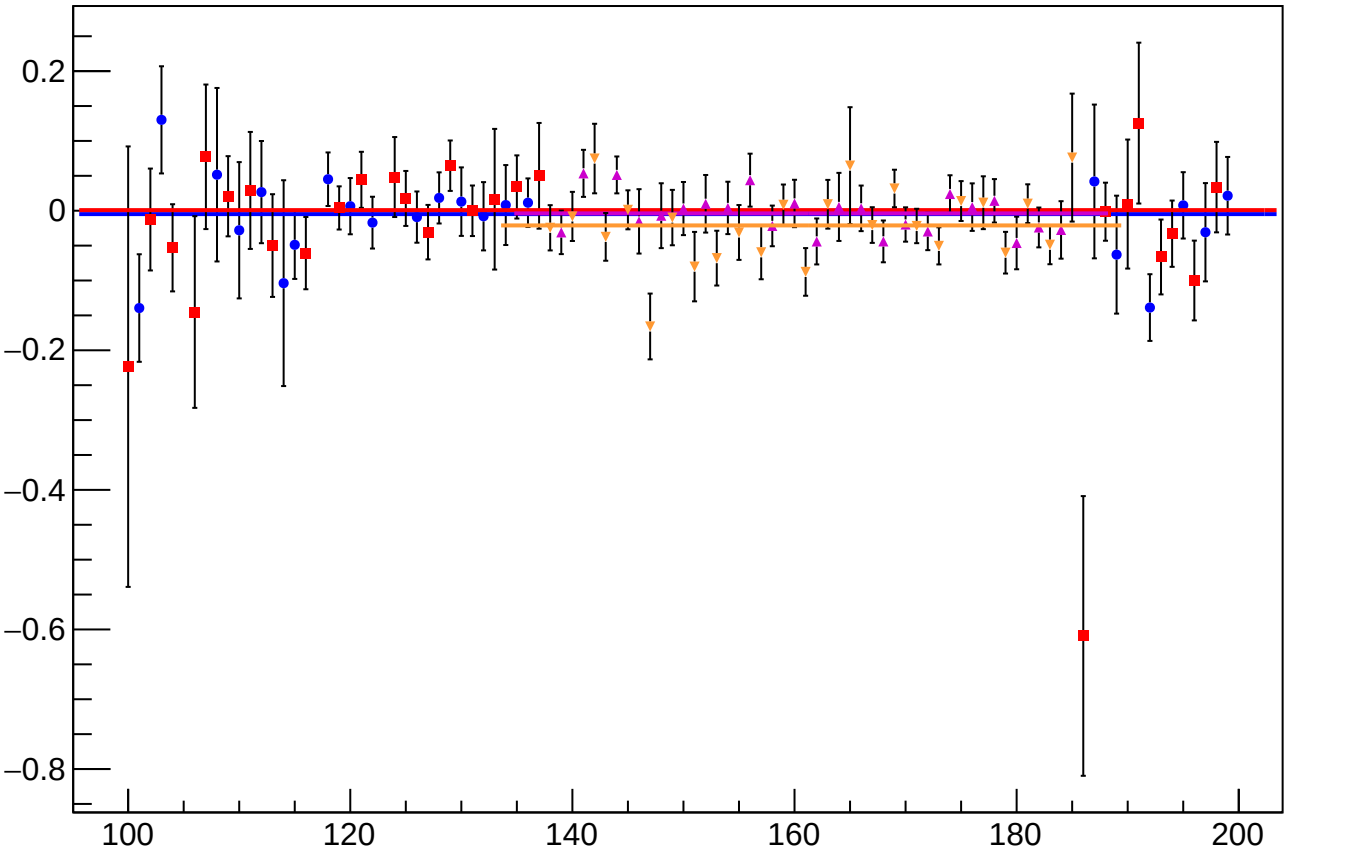
Left: 28.365+/-0.003 χ^2/NDF: 2832490.4/47

Right: 33.914+/-0.005 χ^2/NDF: 6314299.0/48

In: 29.992+/-0.004 χ^2/NDF:4359992.2/44

Out: 29.919+/-0.004 χ^2/NDF:5557920.4/51

All: 29.954+/-0.003 χ^2/NDF: 9918077.2/96



Right In: -0.005+/-0.011 χ^2/NDF: 19.5/21

Left Out: -0.021+/-0.007 χ^2/NDF:37.2/24

Right Out: 0.001+/-0.010 χ^2/NDF: 27.8/26

Left In: -0.004+/-0.007 χ^2/NDF:18.7/22

Left: -0.013+/-0.005 χ^2/NDF: 59.1/47

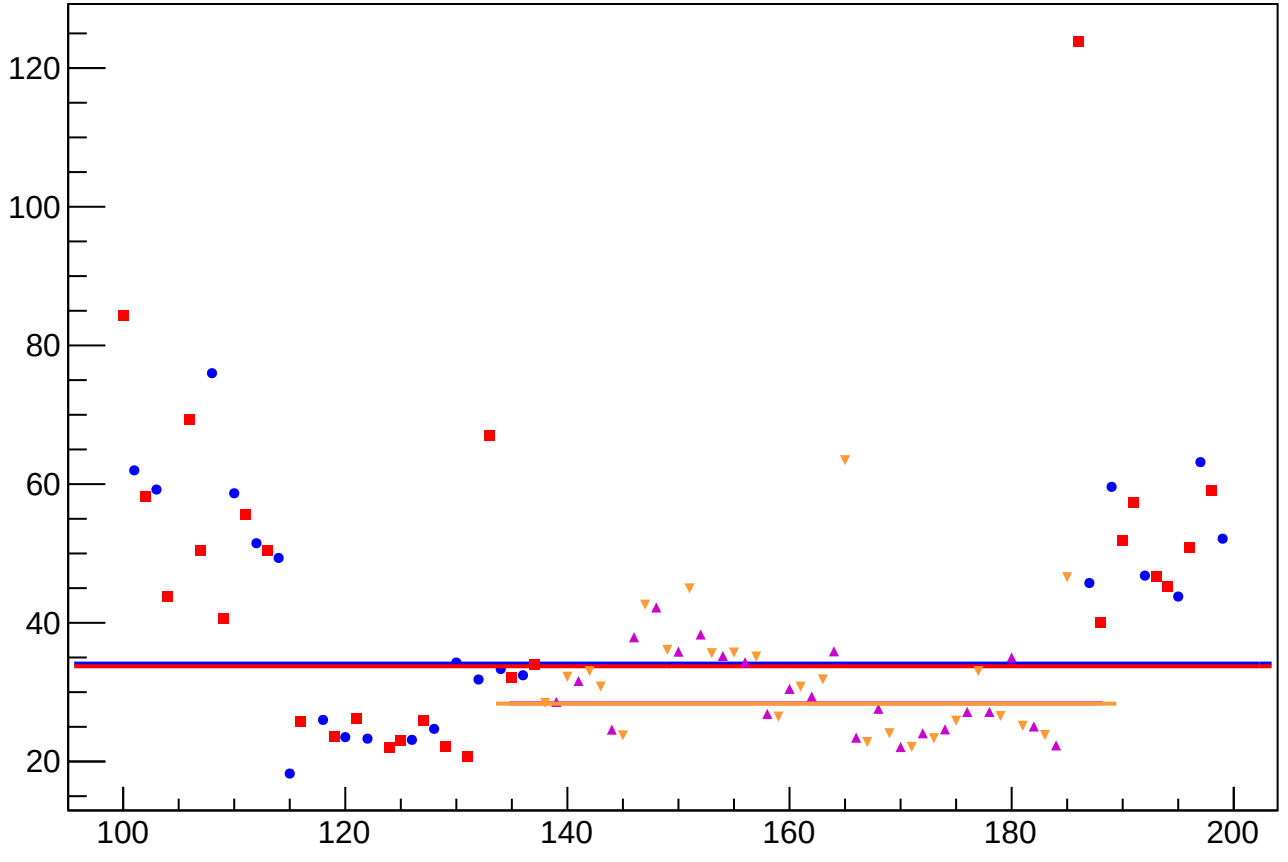
Right: -0.002+/-0.008 χ^2/NDF: 47.4/48

In: -0.004+/-0.006 χ^2/NDF:38.2/44

Out: -0.015+/-0.006 χ^2/NDF:68.1/51

All: -0.010+/-0.004 χ^2/NDF: 108.0/96

asym_sam_15_26_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.117+/-0.008 χ^2/NDF: 2870957.4/21

Left Out: 28.342+/-0.005 χ^2/NDF:1733592.1/24

Right Out: 33.733+/-0.007 χ^2/NDF: 3442055.3/26

Left In: 28.389+/-0.005 χ^2/NDF:1098849.1/22

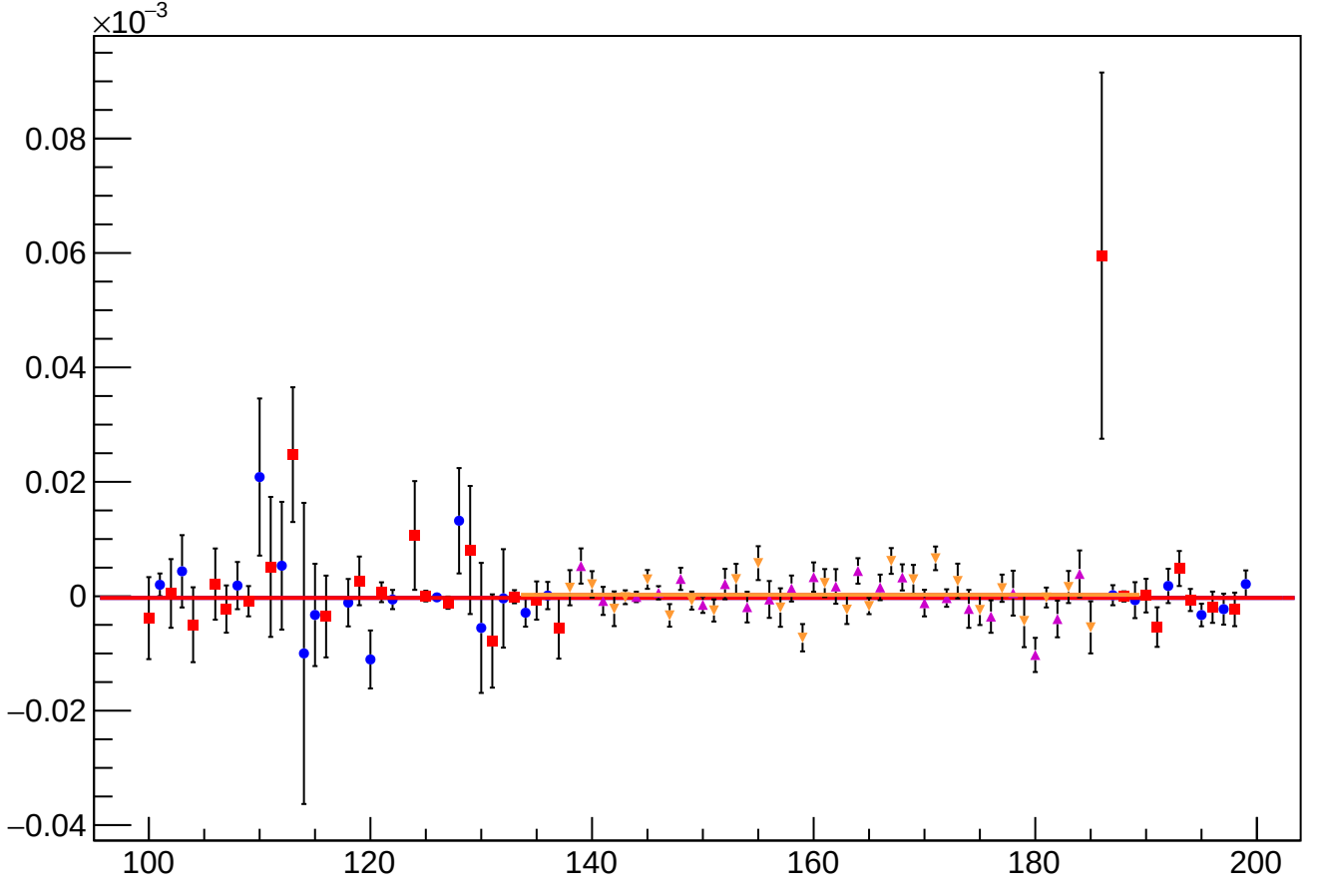
Left: 28.365+/-0.003 χ^2/NDF: 2832490.4/47

Right: 33.914+/-0.005 χ^2/NDF: 6314299.0/48

In: 29.992+/-0.004 χ^2/NDF:4359992.2/44

Out: 29.919+/-0.004 χ^2/NDF:5557920.4/51

All: 29.954+/-0.003 χ^2/NDF: 9918077.2/96



Right In: -0.000+/-0.000 χ^2/NDF: 17.6/21

Left Out: 0.000+/-0.000 χ^2/NDF:50.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 20.9/26

Left In: 0.000+/-0.000 χ^2/NDF:33.2/22

Left: 0.000+/-0.000 χ^2/NDF: 84.0/47

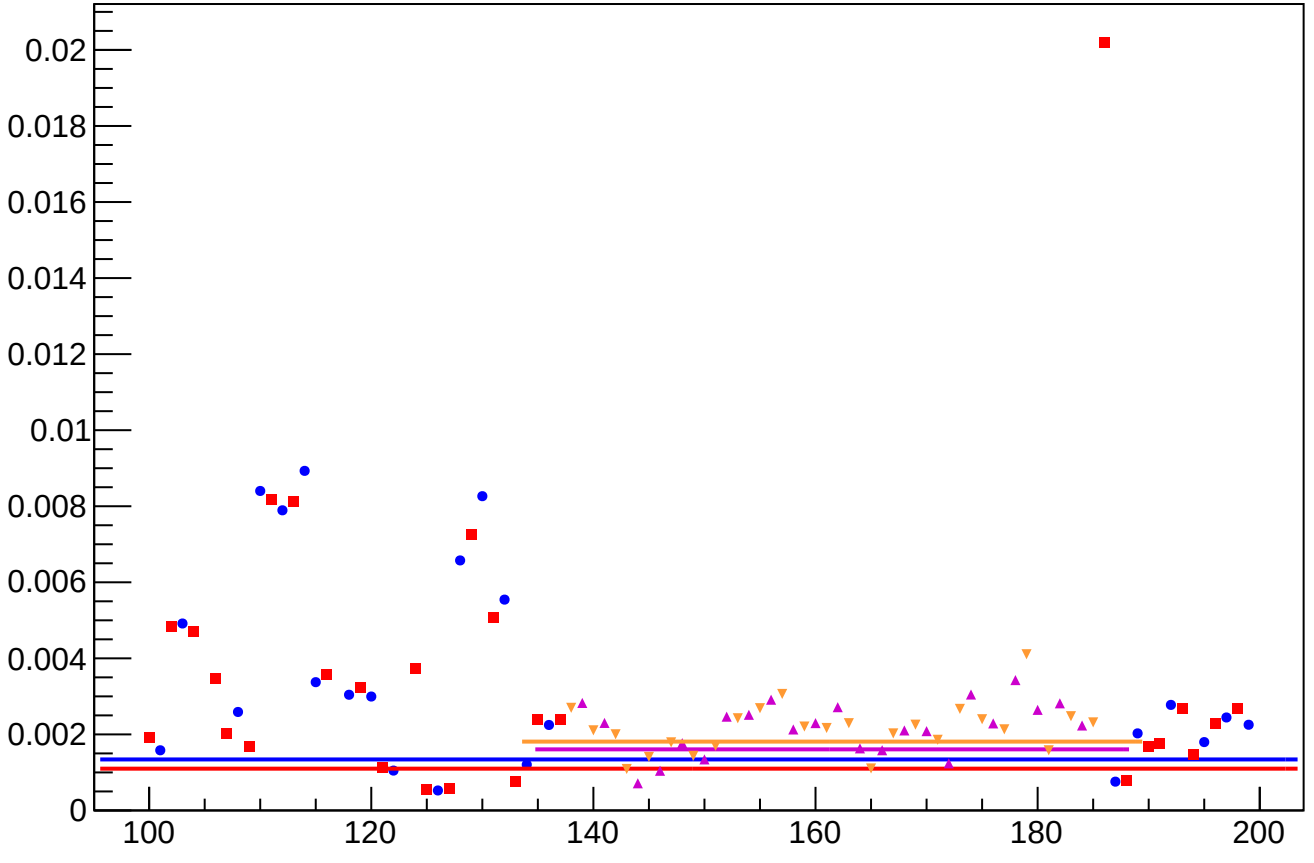
Right: -0.000+/-0.000 χ^2/NDF: 38.4/48

In: 0.000+/-0.000 χ^2/NDF:51.4/44

Out: -0.000+/-0.000 χ^2/NDF:72.5/51

All: -0.000+/-0.000 χ^2/NDF: 123.9/96

asym_sam_15_26_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 8550828.4/21

Left Out: 0.002+/-0.000 χ^2/NDF:3433566.6/24

Right Out: 0.001+/-0.000 χ^2/NDF: 9683486.2/26

Left In: 0.002+/-0.000 χ^2/NDF:6034225.5/22

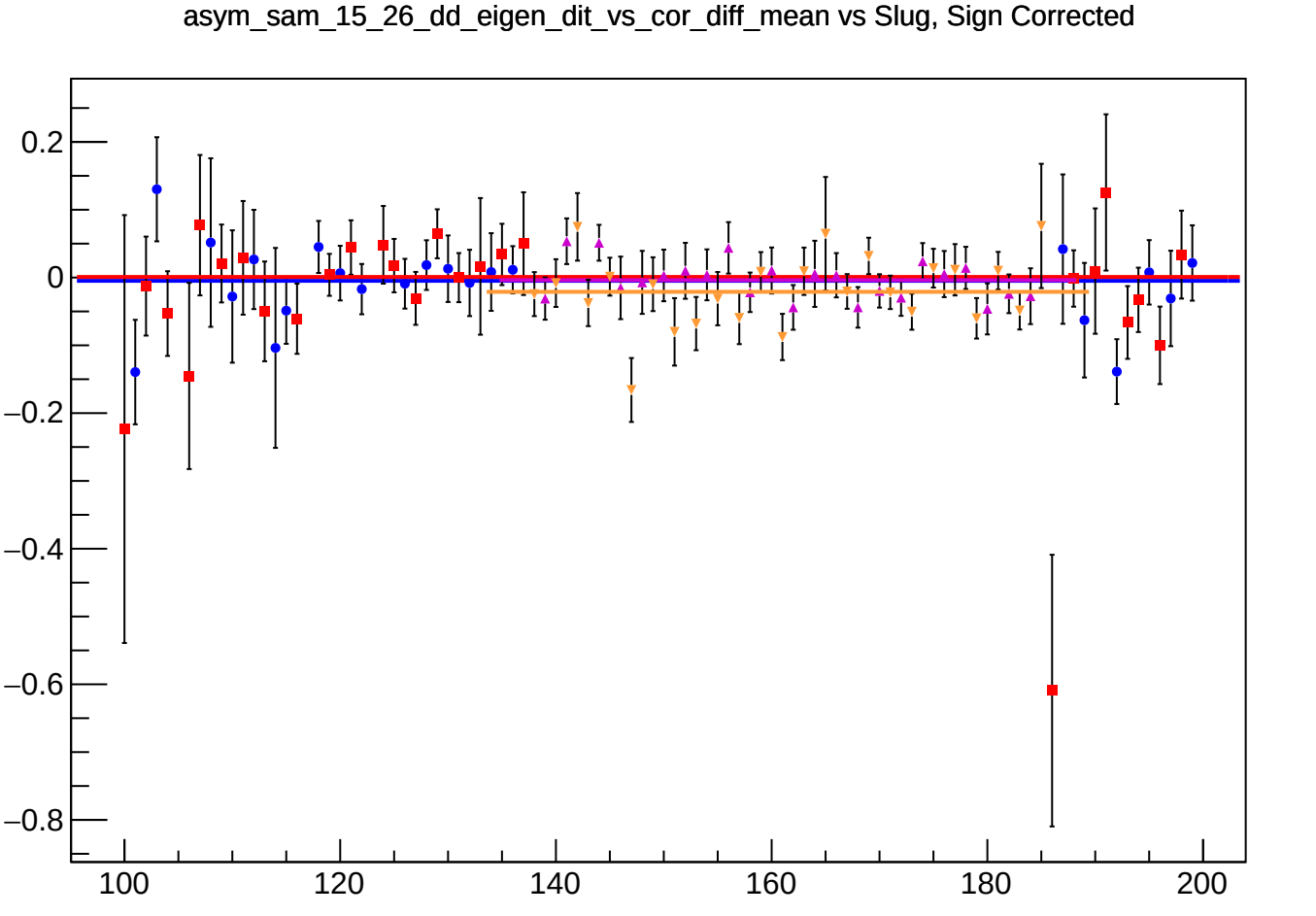
Left: 0.002+/-0.000 χ^2/NDF: 9693636.7/47

Right: 0.001+/-0.000 χ^2/NDF: 18501882.4/48

In: 0.001+/-0.000 χ^2/NDF:14900174.4/44

Out: 0.001+/-0.000 χ^2/NDF:15908566.4/51

All: 0.001+/-0.000 χ^2/NDF: 30844865.2/96



Right In: -0.005+/-0.011 χ^2/NDF: 19.5/21

Left Out: -0.021+/-0.007 χ^2/NDF:37.2/24

Right Out: 0.001+/-0.010 χ^2/NDF: 27.8/26

Left In: -0.004+/-0.007 χ^2/NDF:18.7/22

Left: -0.013+/-0.005 χ^2/NDF: 59.1/47

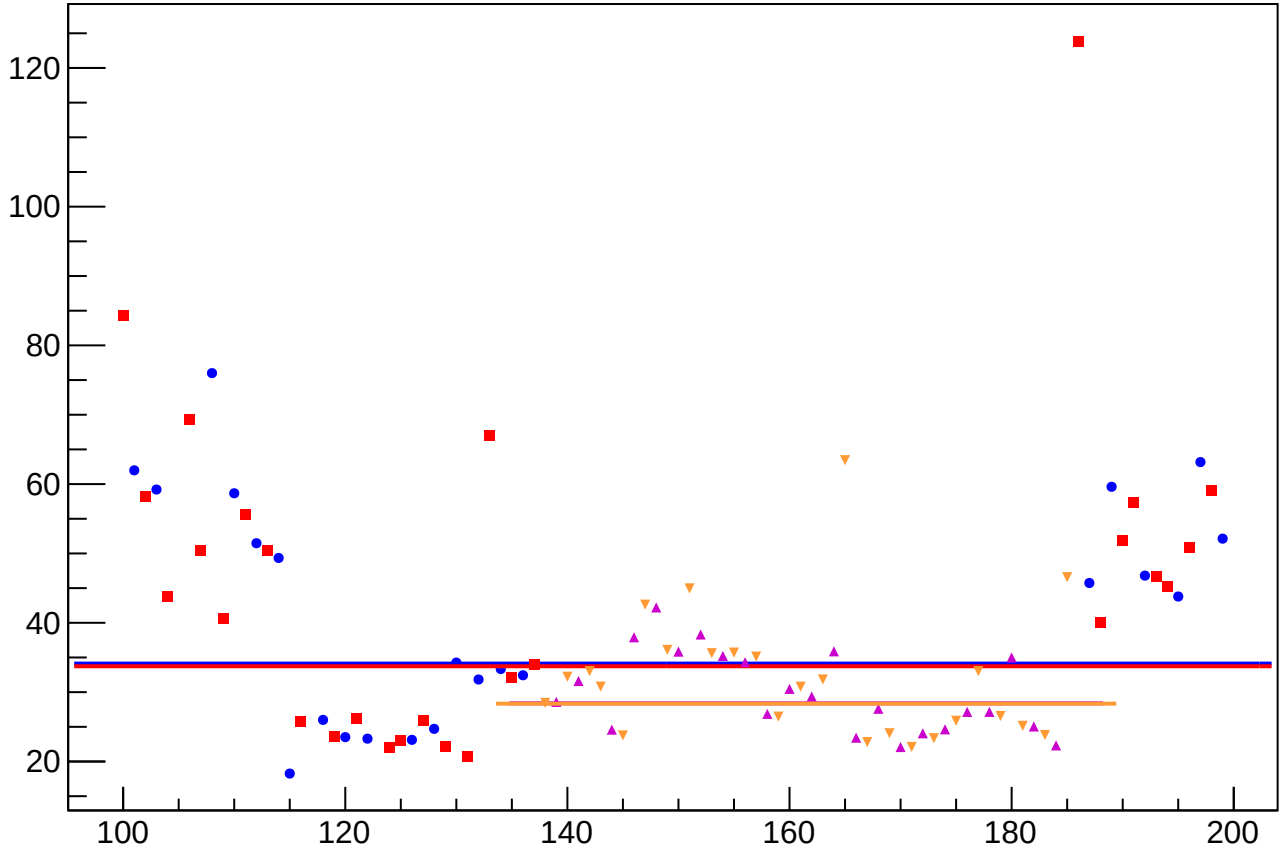
Right: -0.002+/-0.008 χ^2/NDF: 47.4/48

In: -0.004+/-0.006 χ^2/NDF:38.2/44

Out: -0.015+/-0.006 χ^2/NDF:68.1/51

All: -0.010+/-0.004 χ^2/NDF: 108.0/96

asym_sam_15_26_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.117+/-0.008 χ^2/NDF: 2870819.1/21

Left Out: 28.342+/-0.005 χ^2/NDF:1733585.3/24

Right Out: 33.733+/-0.007 χ^2/NDF: 3442101.4/26

Left In: 28.389+/-0.005 χ^2/NDF:1098852.1/22

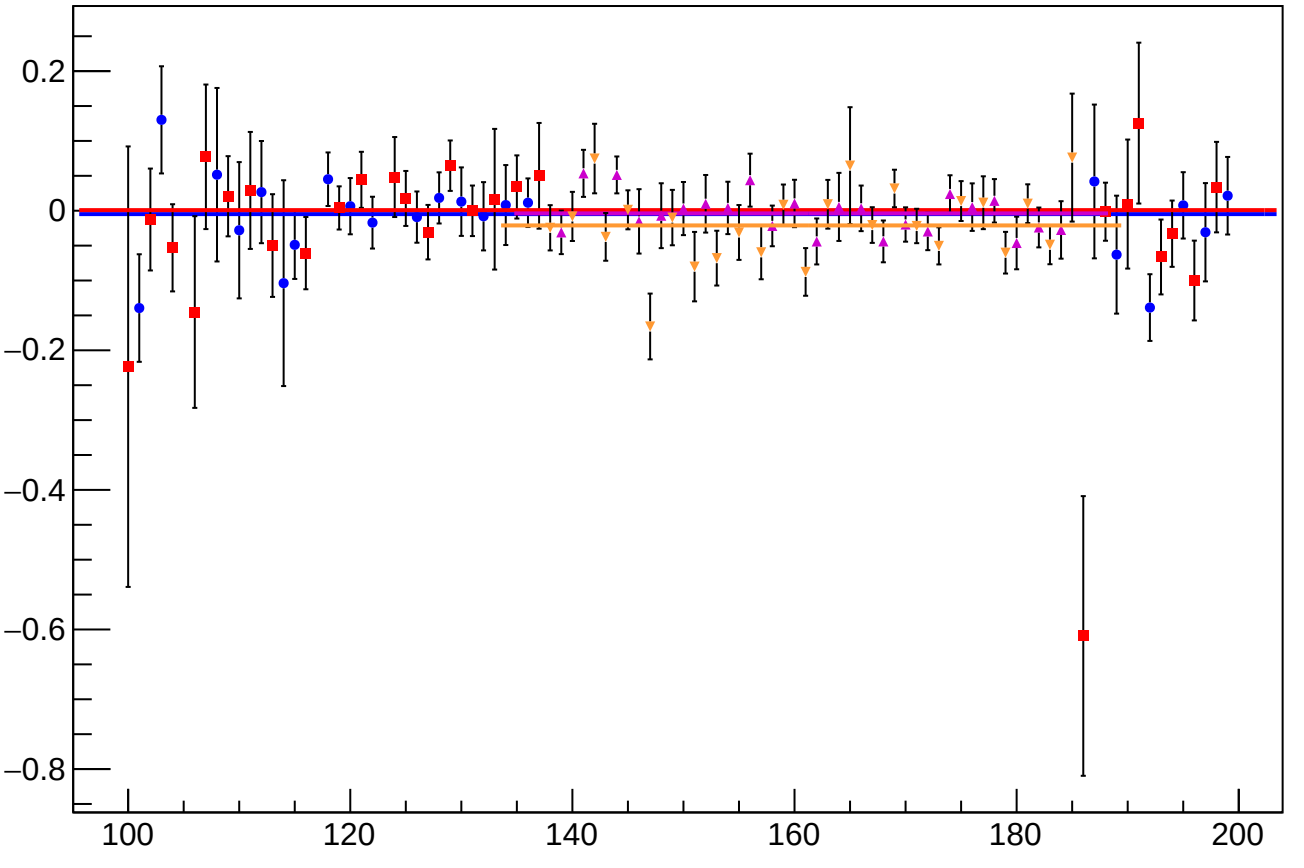
Left: 28.365+/-0.003 χ^2/NDF: 2832487.2/47

Right: 33.914+/-0.005 χ^2/NDF: 6314210.5/48

In: 29.993+/-0.004 χ^2/NDF:4359826.4/44

Out: 29.919+/-0.004 χ^2/NDF:5557882.5/51

All: 29.954+/-0.003 χ^2/NDF: 9917874.9/96



Right In: -0.005+/-0.011 χ^2/NDF: 19.5/21

Left Out: -0.021+/-0.007 χ^2/NDF:37.2/24

Right Out: 0.001+/-0.010 χ^2/NDF: 27.8/26

Left In: -0.004+/-0.007 χ^2/NDF:18.7/22

Left: -0.013+/-0.005 χ^2/NDF: 59.1/47

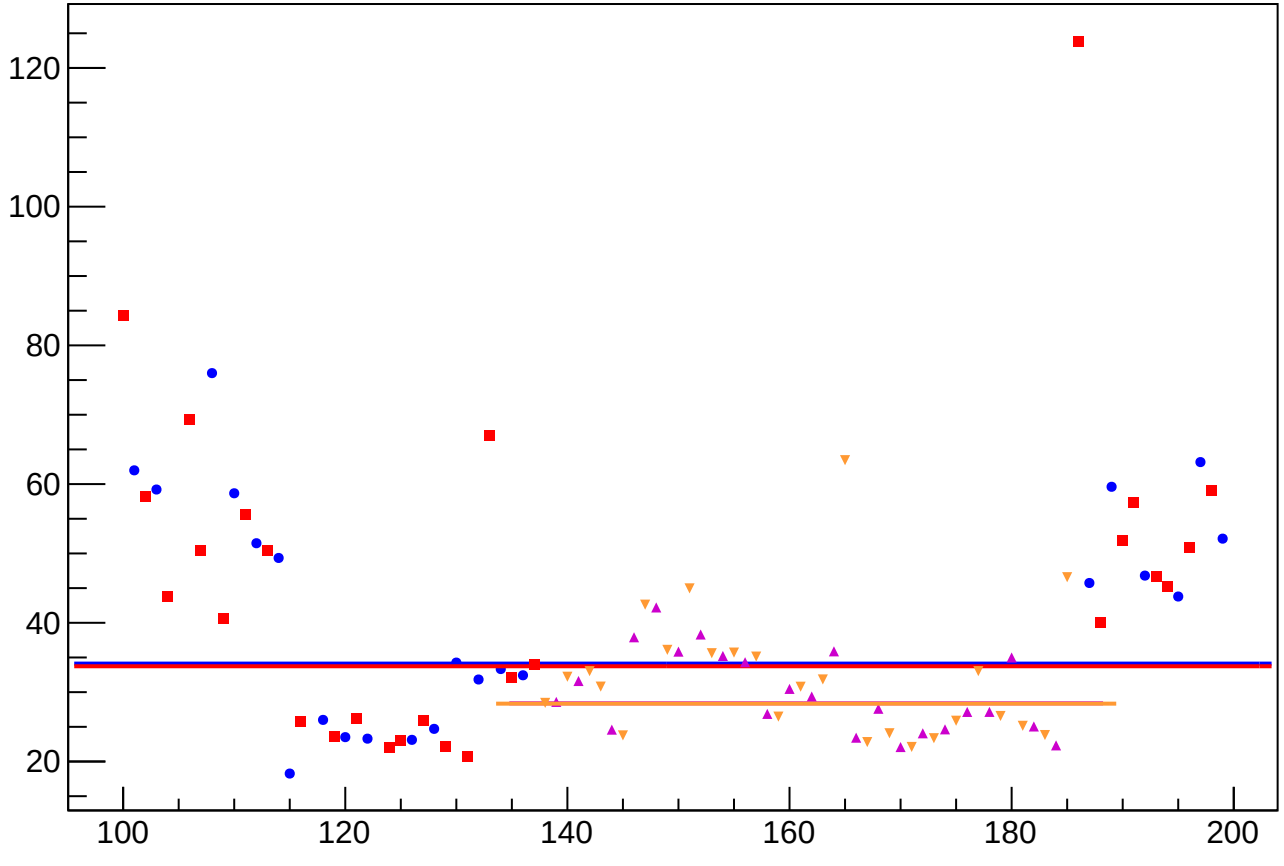
Right: -0.002+/-0.008 χ^2/NDF: 47.4/48

In: -0.004+/-0.006 χ^2/NDF:38.2/44

Out: -0.015+/-0.006 χ^2/NDF:68.1/51

All: -0.010+/-0.004 χ^2/NDF: 108.0/96

asym_sam_15_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.117+/-0.008 χ^2/NDF: 2870819.1/21

Left Out: 28.342+/-0.005 χ^2/NDF:1733585.3/24

Right Out: 33.733+/-0.007 χ^2/NDF: 3442101.4/26

Left In: 28.389+/-0.005 χ^2/NDF:1098852.1/22

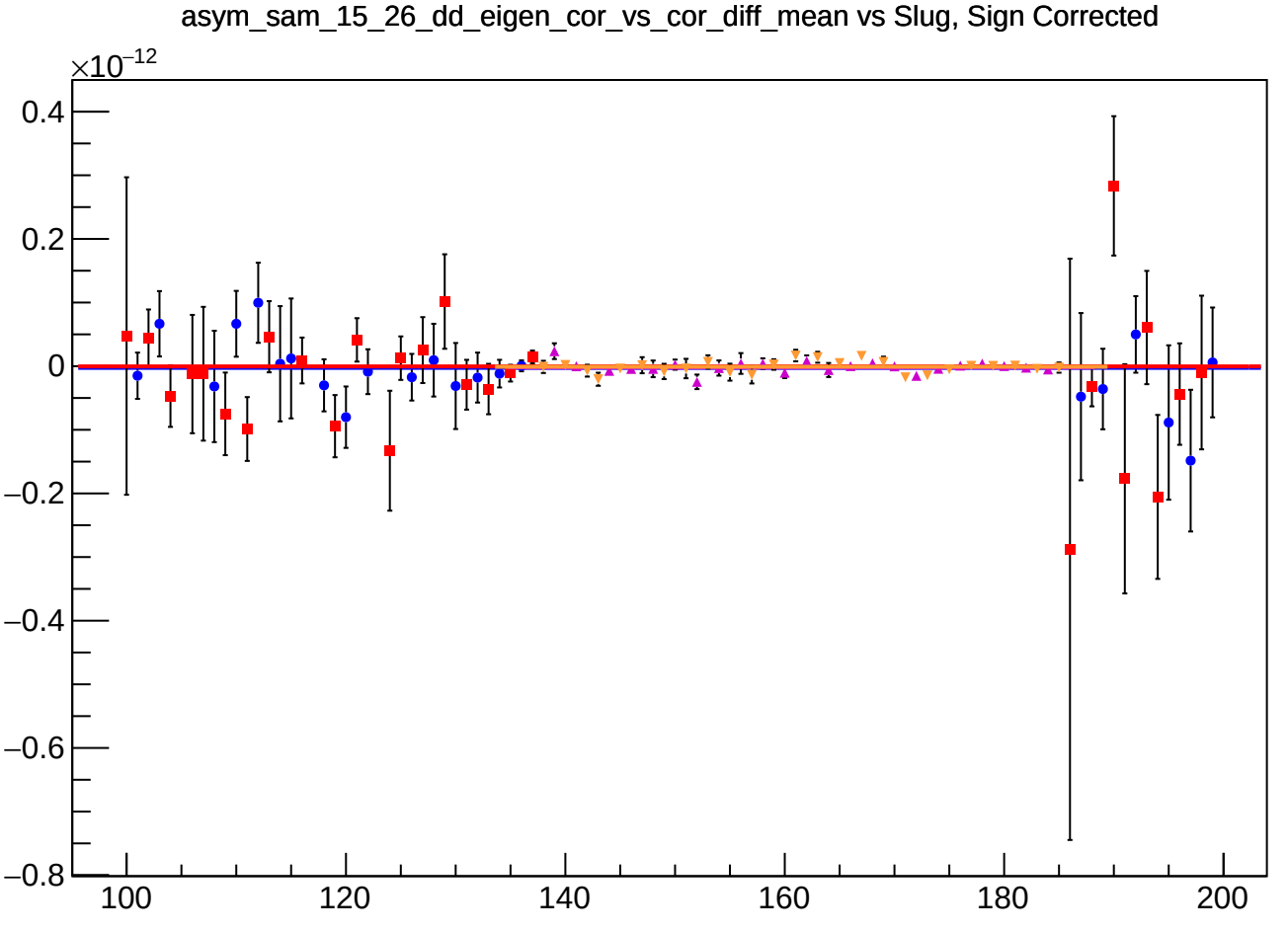
Left: 28.365+/-0.003 χ^2/NDF: 2832487.2/47

Right: 33.914+/-0.005 χ^2/NDF: 6314210.5/48

In: 29.993+/-0.004 χ^2/NDF:4359826.4/44

Out: 29.919+/-0.004 χ^2/NDF:5557882.5/51

All: 29.954+/-0.003 χ^2/NDF: 9917874.9/96



Right In: -0.000+/-0.000 χ^2/NDF: 13.8/21

Left Out: -0.000+/-0.000 χ^2/NDF:34.1/24

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

Left In: -0.000+/-0.000 χ^2/NDF:19.5/22

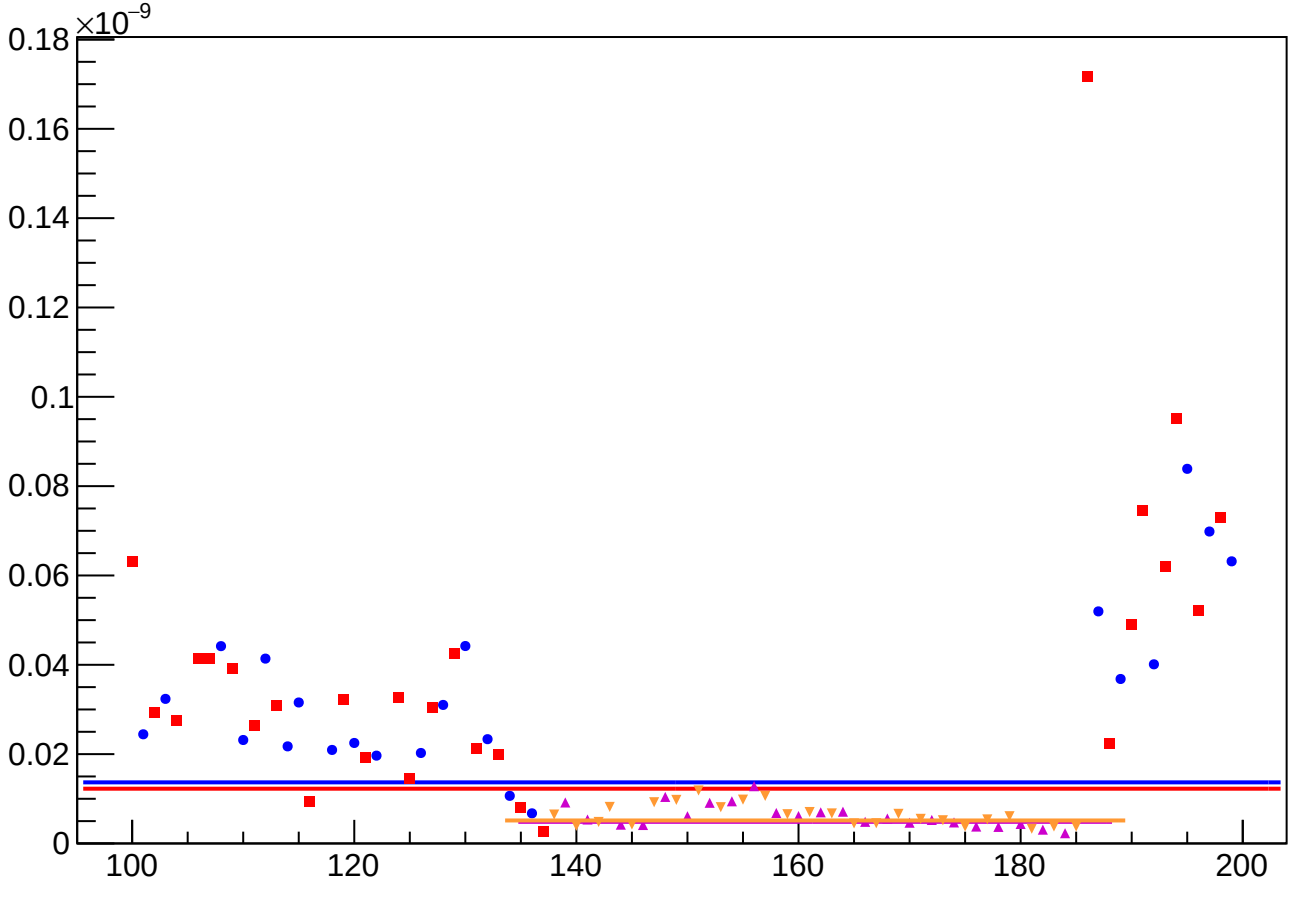
Left: -0.000+/-0.000 χ^2/NDF: 53.8/47

Right: -0.000+/-0.000 χ^2/NDF: 47.7/48

In: -0.000+/-0.000 χ^2/NDF:33.4/44

Out: -0.000+/-0.000 χ^2/NDF:68.0/51

All: -0.000+/-0.000 χ^2/NDF: 101.6/96



Right In: 0.000+/-0.000 χ^2/NDF: 6187661.5/21

Left Out: 0.000+/-0.000 χ^2/NDF:3035355.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8284991.2/26

Left In: 0.000+/-0.000 χ^2/NDF:3040812.9/22

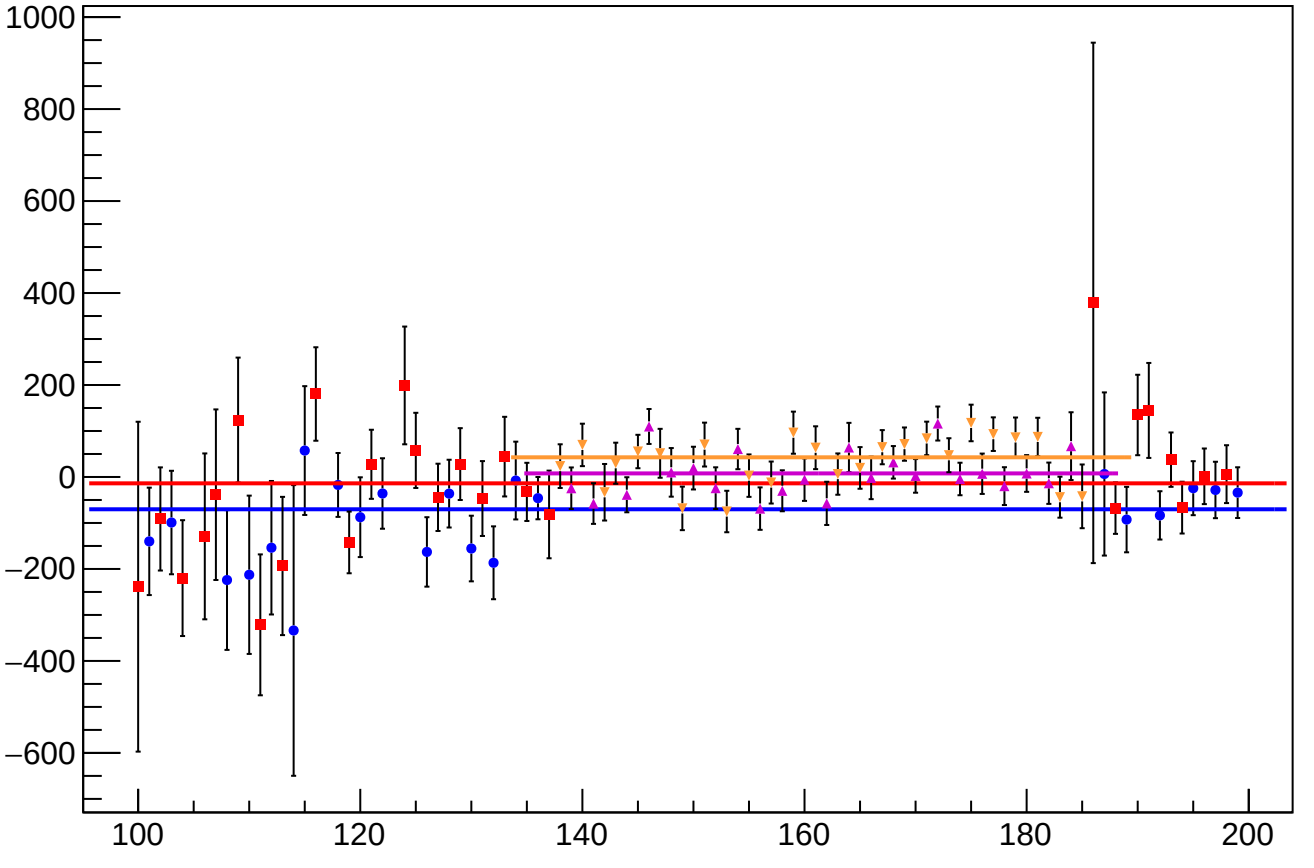
Left: 0.000+/-0.000 χ^2/NDF: 6121355.4/47

Right: 0.000+/-0.000 χ^2/NDF: 14519421.0/48

In: 0.000+/-0.000 χ^2/NDF:12570436.0/44

Out: 0.000+/-0.000 χ^2/NDF:13638540.0/51

All: 0.000+/-0.000 χ^2/NDF: 26243513.3/96



Right In: -70.230+/-16.546 χ^2/NDF: 12.8/21

Left Out: 42.765+/-8.698 χ^2/NDF:34.7/24

Right Out: -13.823+/-16.378 χ^2/NDF: 31.7/26

Left In: 7.783+/-8.974 χ^2/NDF:30.6/22

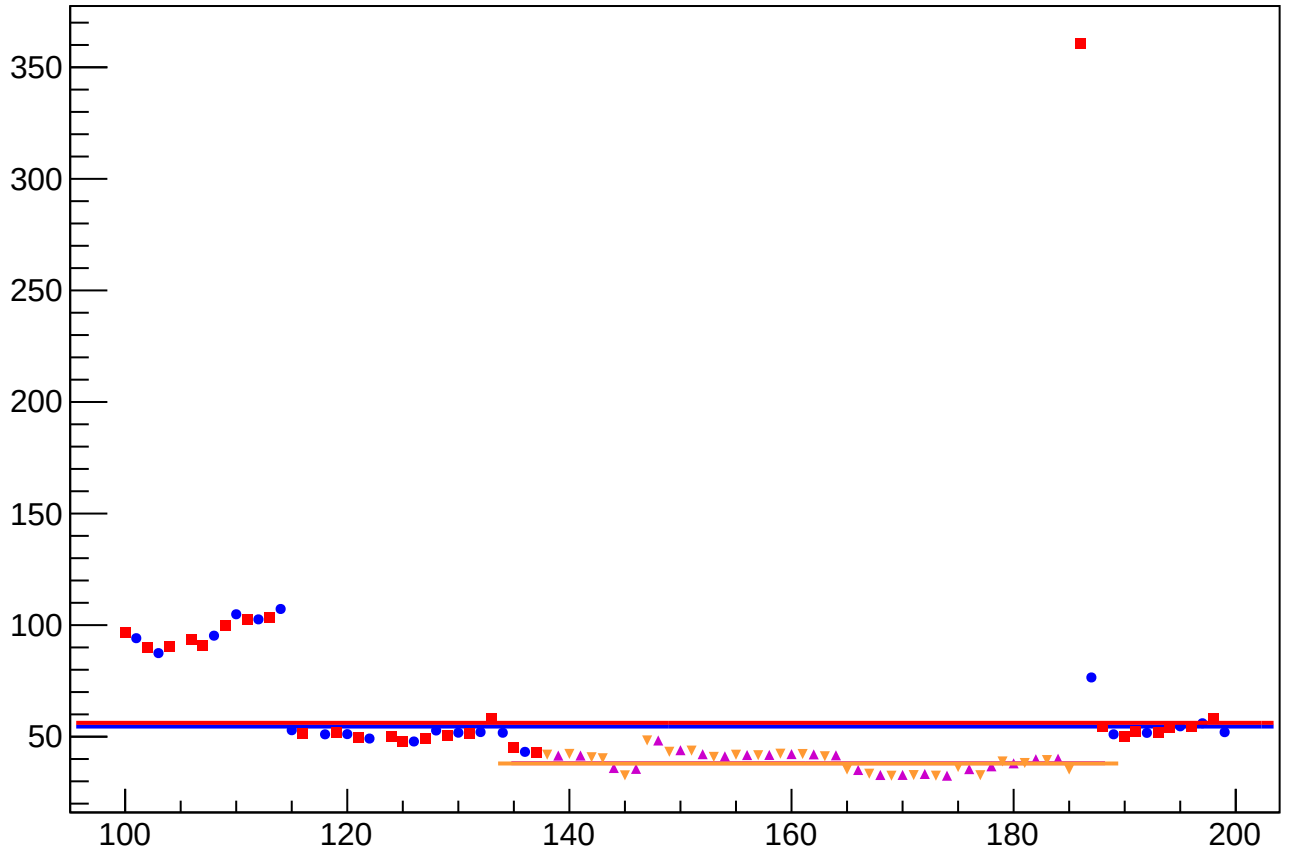
Left: 25.821+/-6.246 χ^2/NDF: 73.2/47

Right: -41.738+/-11.640 χ^2/NDF: 50.4/48

In: -9.950+/-7.889 χ^2/NDF:60.6/44

Out: 30.315+/-7.682 χ^2/NDF:75.8/51

All: 10.718+/-5.504 χ^2/NDF: 149.7/96



Right In: 54.547+/-0.012 χ^2/NDF: 1201072.9/21

Left Out: 37.990+/-0.006 χ^2/NDF:513605.5/24

Right Out: 56.210+/-0.012 χ^2/NDF: 1899712.2/26

Left In: 38.133+/-0.006 χ^2/NDF:428309.7/22

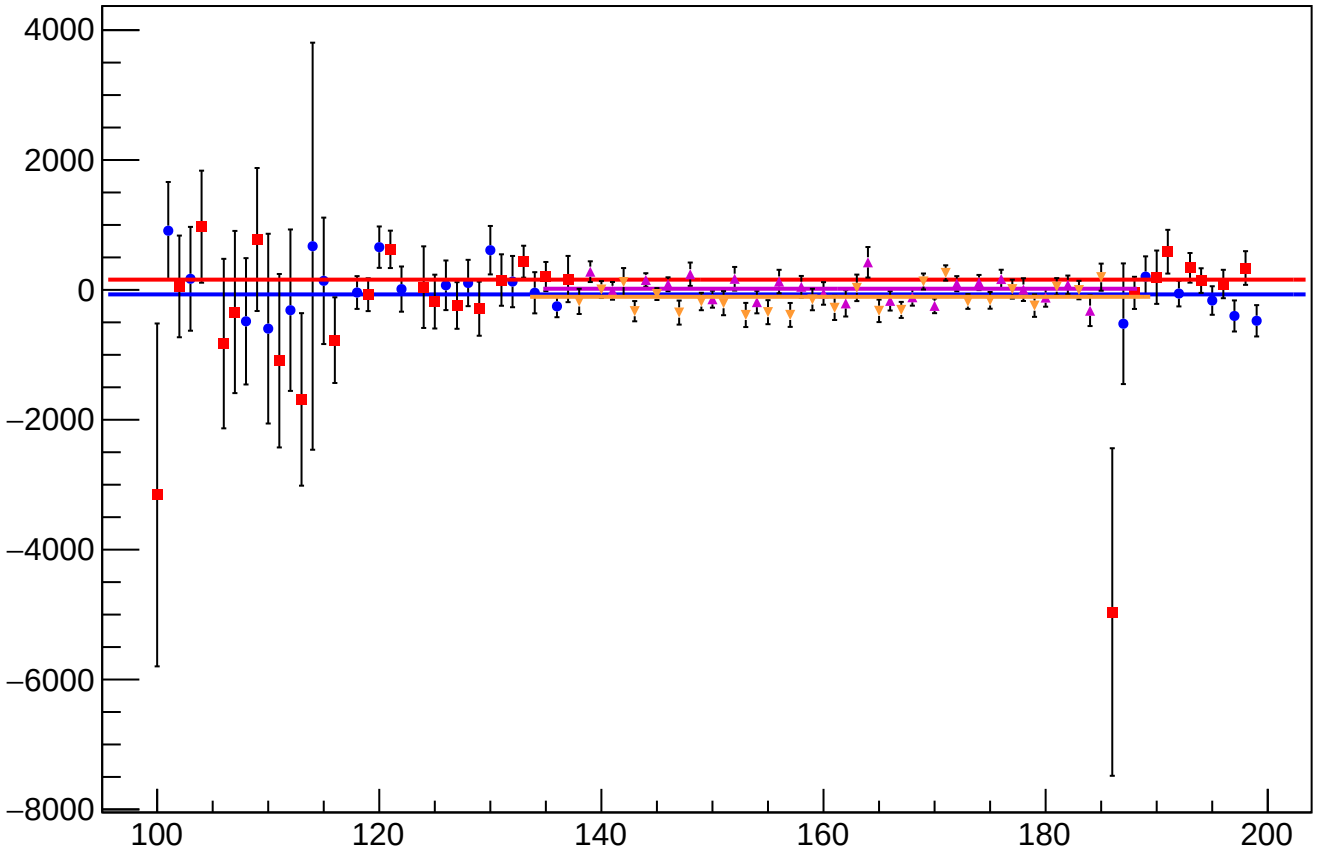
Left: 38.059+/-0.004 χ^2/NDF: 942176.9/47

Right: 55.387+/-0.008 χ^2/NDF: 3110995.6/48

In: 41.864+/-0.006 χ^2/NDF:3150175.4/44

Out: 41.998+/-0.005 χ^2/NDF:4344088.5/51

All: 41.933+/-0.004 χ^2/NDF: 7494562.7/96



Right In: -69.546+/-69.582 χ^2/NDF: 18.6/21

Left Out: -106.506+/-29.563 χ^2/NDF:37.6/24

Right Out: 157.886+/-66.980 χ^2/NDF: 23.8/26

Left In: 17.517+/-30.185 χ^2/NDF:28.2/22

Left: -45.786+/-21.121 χ^2/NDF: 74.5/47

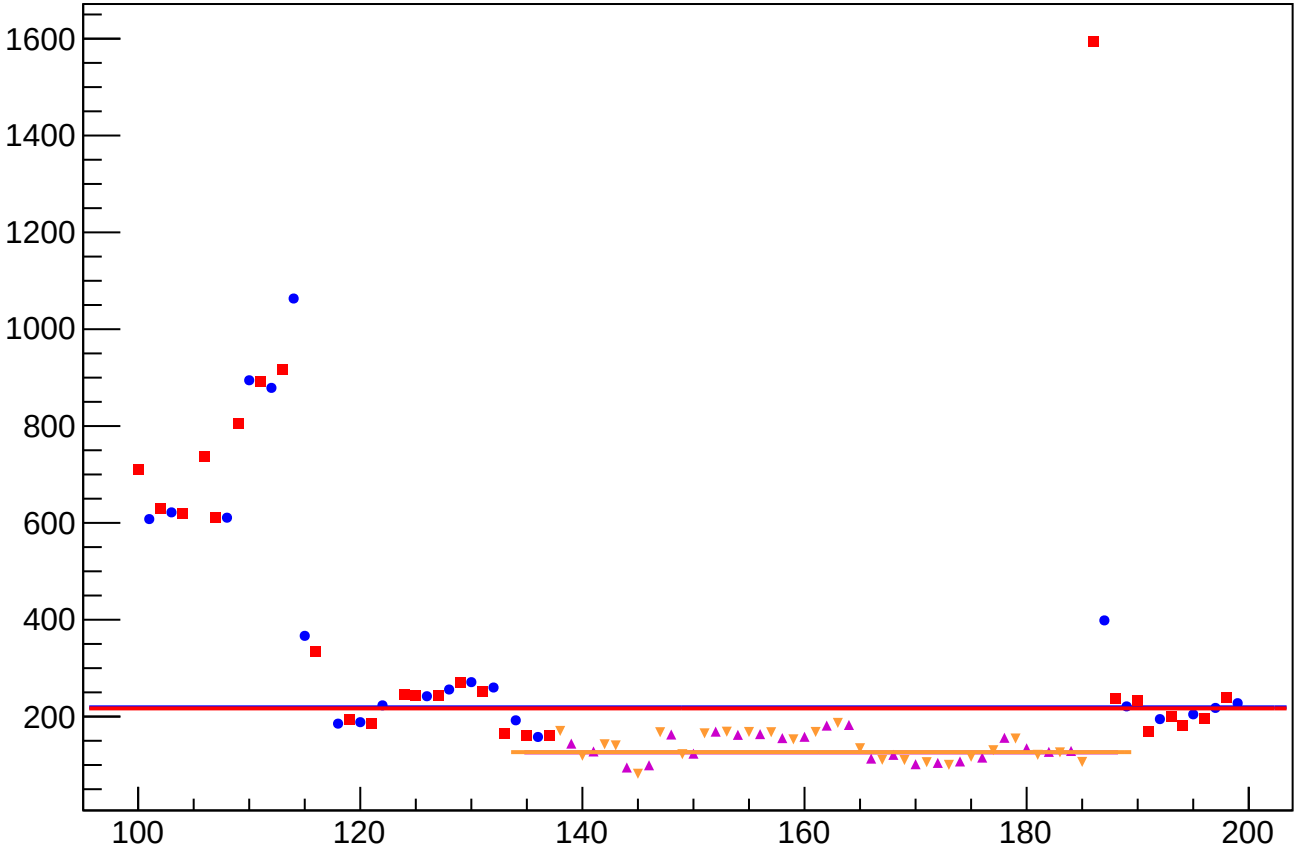
Right: 48.501+/-48.256 χ^2/NDF: 48.0/48

In: 3.727+/-27.692 χ^2/NDF:48.2/44

Out: -63.398+/-27.046 χ^2/NDF:74.5/51

All: -30.627+/-19.349 χ^2/NDF: 125.7/96

asym_sam_37_26_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 219.091+/-0.049 χ^2/NDF: 3089874.2/21

Left Out: 126.561+/-0.021 χ^2/NDF:1758158.3/24

Right Out: 216.870+/-0.047 χ^2/NDF: 4427774.0/26

Left In: 126.013+/-0.021 χ^2/NDF:1410655.7/22

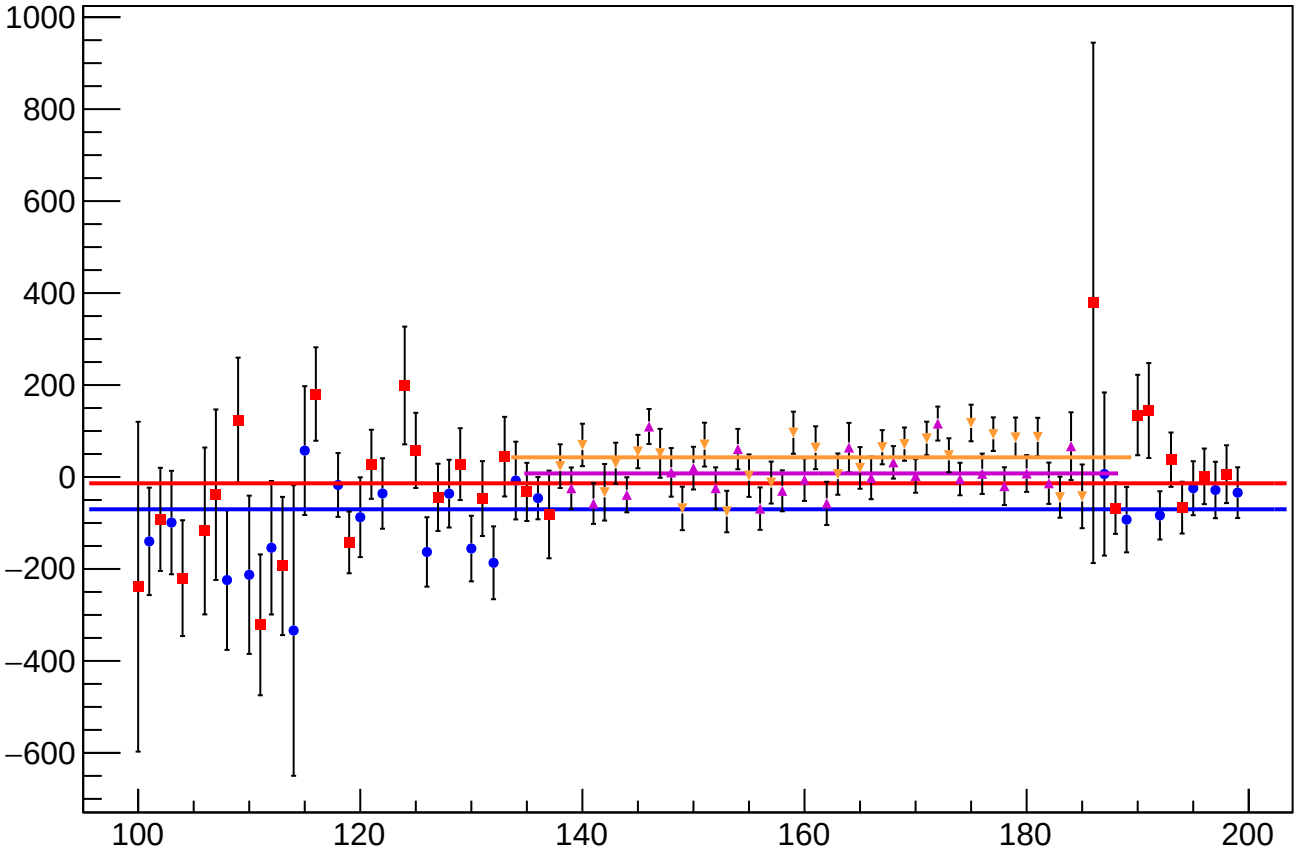
Left: 126.293+/-0.015 χ^2/NDF: 3169149.7/47

Right: 217.938+/-0.034 χ^2/NDF: 7518705.4/48

In: 140.755+/-0.020 χ^2/NDF:7512420.2/44

Out: 141.285+/-0.019 χ^2/NDF:9228940.8/51

All: 141.027+/-0.014 χ^2/NDF: 16741736.1/96



Right In: -70.227+/-16.546 χ^2/NDF: 12.8/21

Left Out: 42.767+/-8.698 χ^2/NDF:34.7/24

Right Out: -13.737+/-16.379 χ^2/NDF: 31.7/26

Left In: 7.785+/-8.974 χ^2/NDF:30.6/22

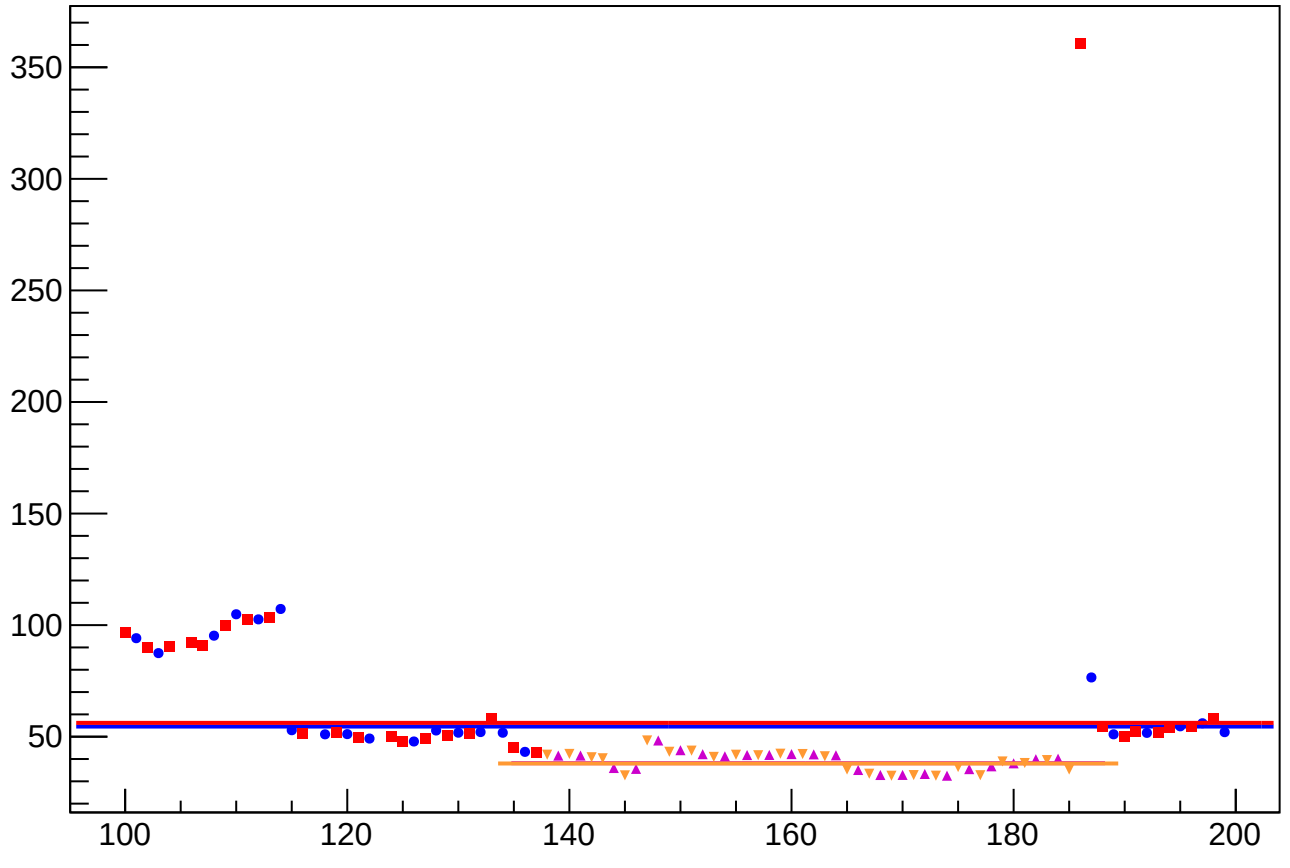
Left: 25.822+/-6.246 χ^2/NDF: 73.2/47

Right: -41.694+/-11.640 χ^2/NDF: 50.4/48

In: -9.948+/-7.889 χ^2/NDF:60.6/44

Out: 30.337+/-7.682 χ^2/NDF:75.7/51

All: 10.729+/-5.504 χ^2/NDF: 149.7/96



Right In: 54.547+/-0.012 χ^2/NDF: 1201073.2/21

Left Out: 37.990+/-0.006 χ^2/NDF:513605.5/24

Right Out: 56.194+/-0.012 χ^2/NDF: 1891996.3/26

Left In: 38.133+/-0.006 χ^2/NDF:428309.7/22

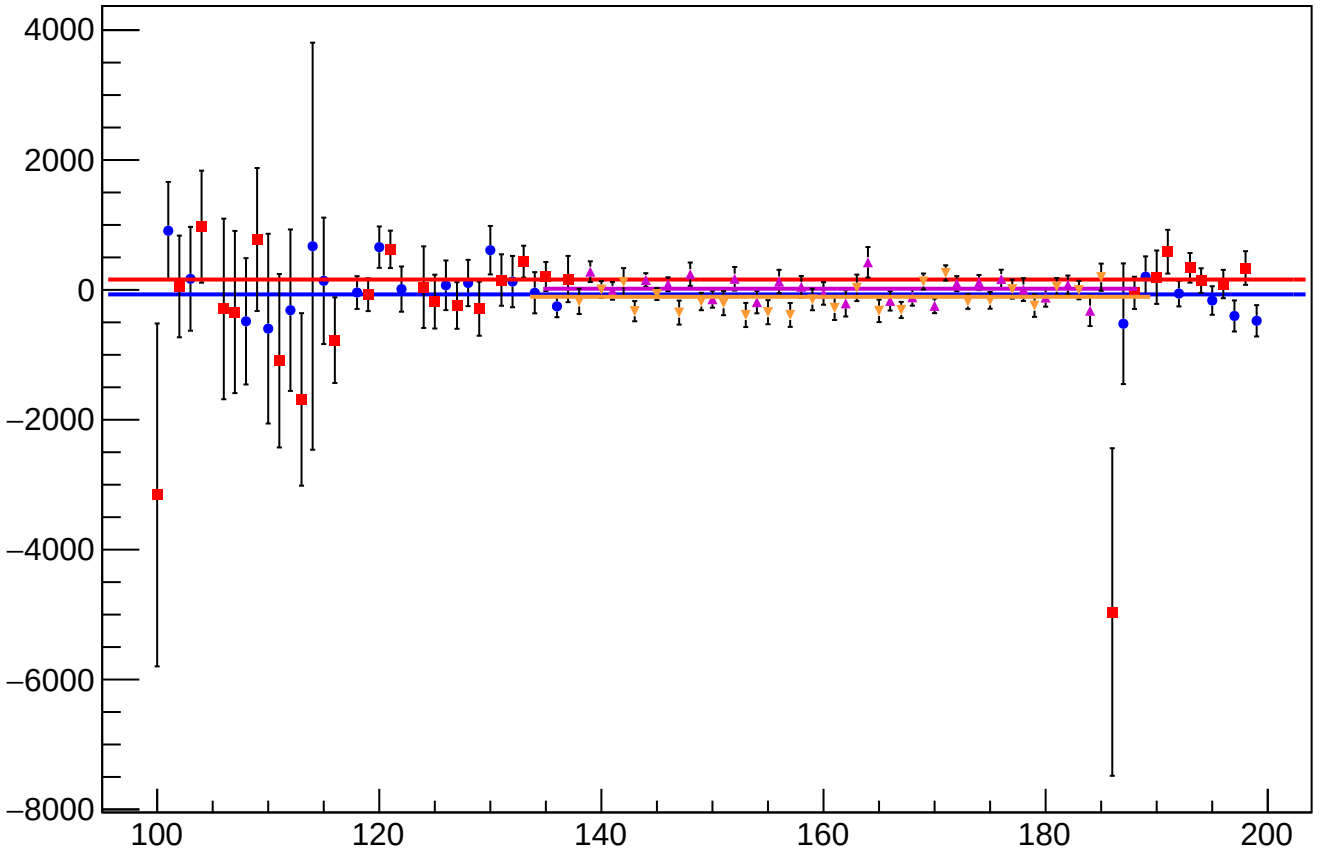
Left: 38.059+/-0.004 χ^2/NDF: 942176.9/47

Right: 55.379+/-0.008 χ^2/NDF: 3103083.5/48

In: 41.864+/-0.006 χ^2/NDF:3150175.6/44

Out: 41.995+/-0.005 χ^2/NDF:4332815.0/51

All: 41.931+/-0.004 χ^2/NDF: 7483272.5/96



Right In: -69.544+/-69.582 χ^2/NDF: 18.6/21

Left Out: -106.505+/-29.563 χ^2/NDF:37.6/24

Right Out: 159.412+/-66.991 χ^2/NDF: 23.4/26

Left In: 17.517+/-30.185 χ^2/NDF:28.2/22

Left: -45.785+/-21.121 χ^2/NDF: 74.5/47

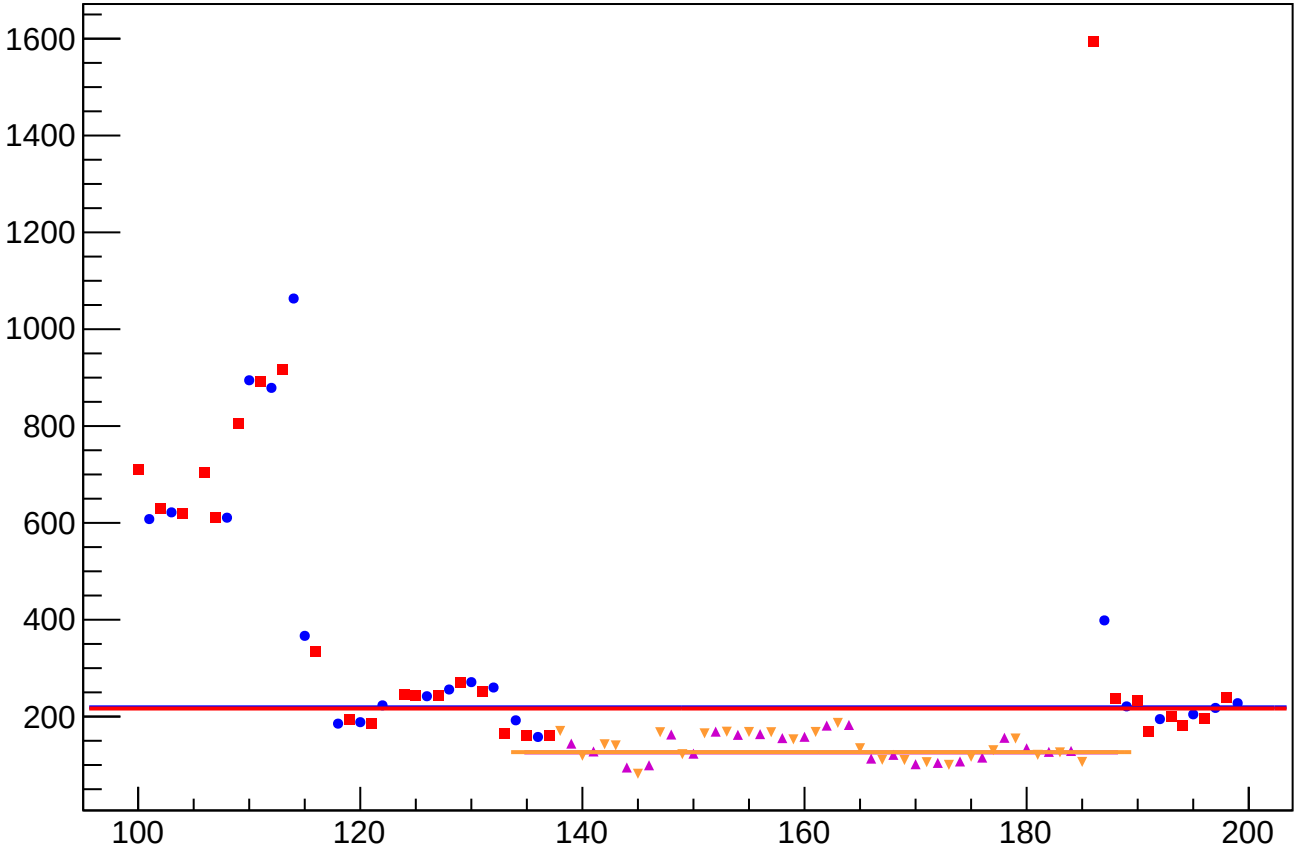
Right: 49.276+/-48.260 χ^2/NDF: 47.6/48

In: 3.728+/-27.692 χ^2/NDF:48.2/44

Out: -63.160+/-27.047 χ^2/NDF:74.2/51

All: -30.504+/-19.349 χ^2/NDF: 125.4/96

asym_sam_37_26_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 219.091+/-0.049 χ^2/NDF: 3089879.1/21

Left Out: 126.561+/-0.021 χ^2/NDF:1758151.9/24

Right Out: 216.633+/-0.047 χ^2/NDF: 4356886.6/26

Left In: 126.013+/-0.021 χ^2/NDF:1410664.0/22

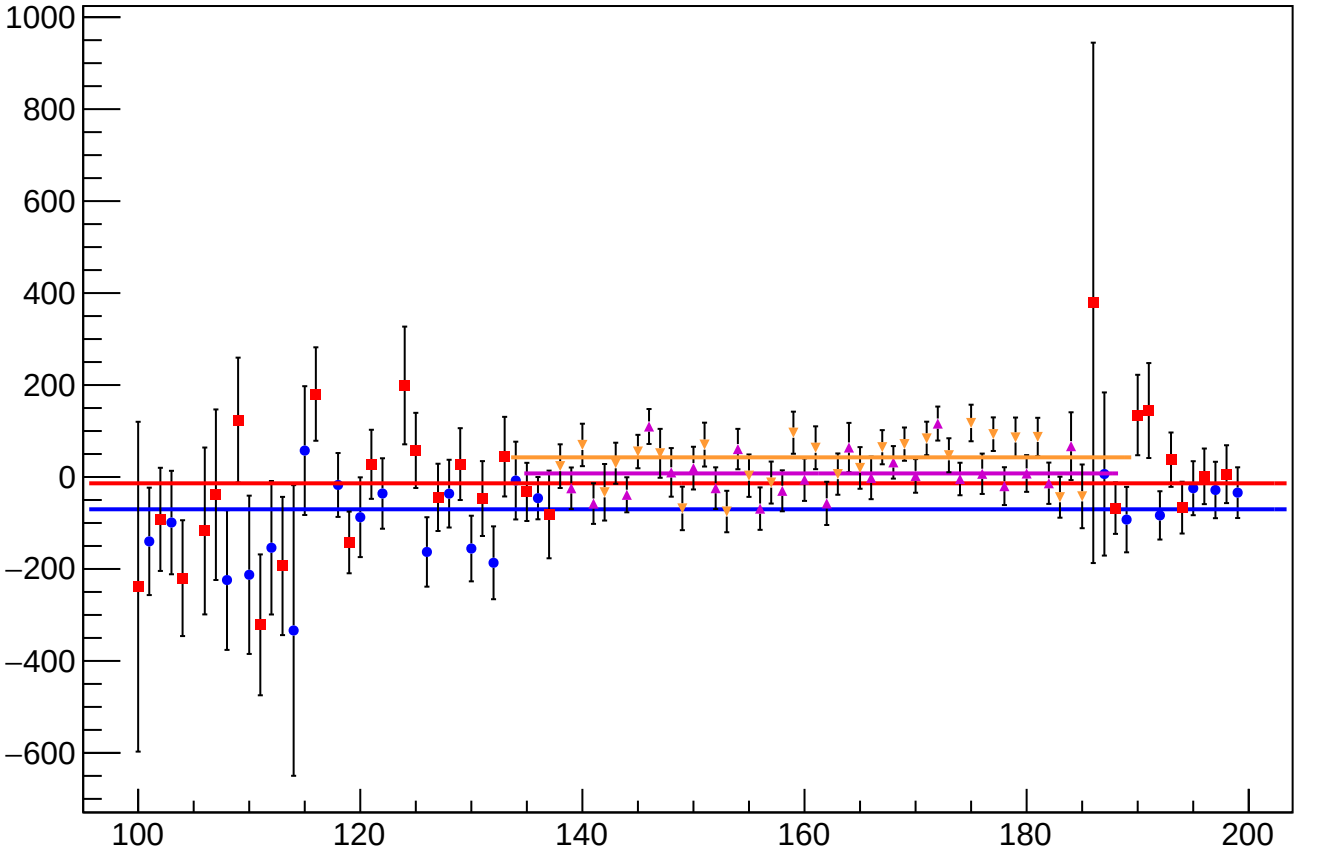
Left: 126.293+/-0.015 χ^2/NDF: 3169151.8/47

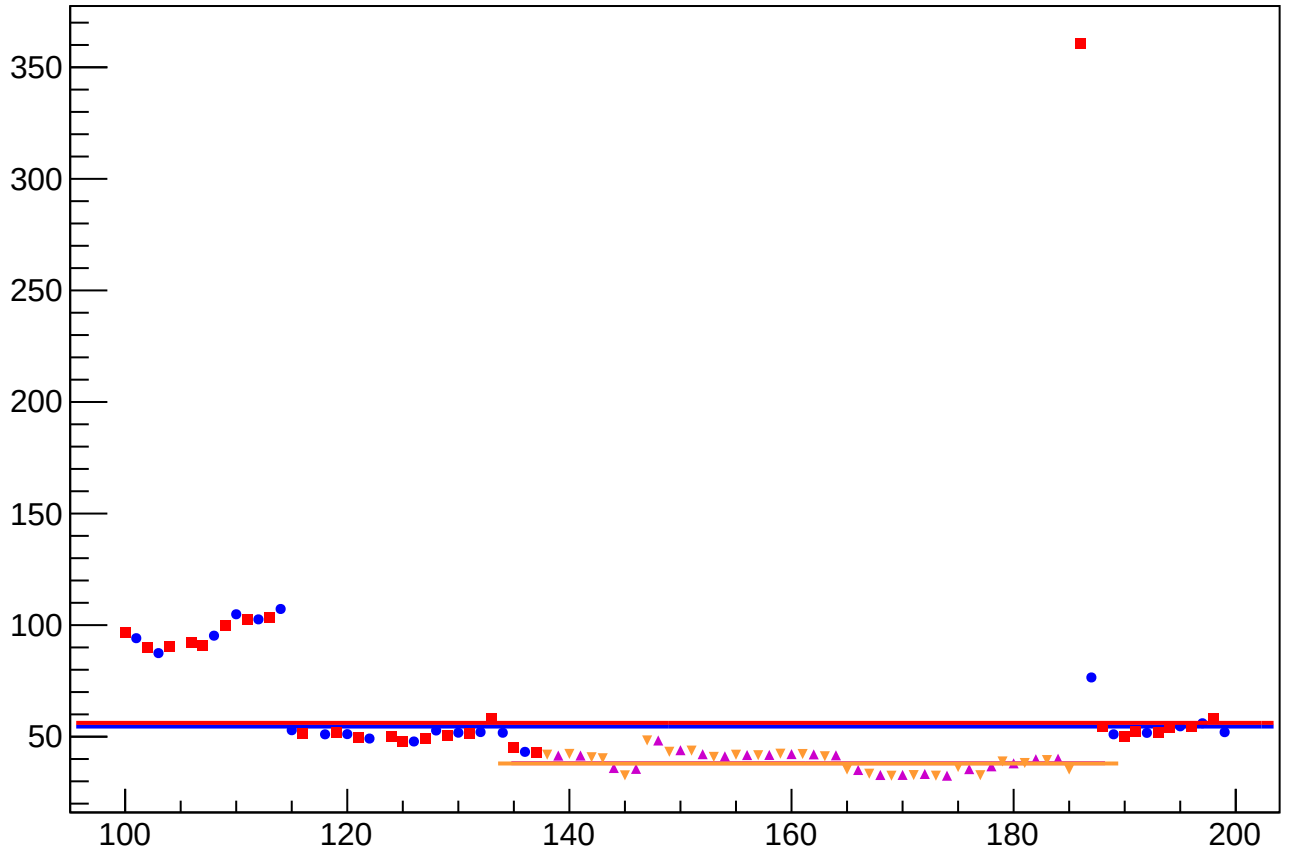
Right: 217.815+/-0.034 χ^2/NDF: 7448061.1/48

In: 140.755+/-0.020 χ^2/NDF:7512438.7/44

Out: 141.243+/-0.019 χ^2/NDF:9141233.7/51

All: 141.005+/-0.014 χ^2/NDF: 16653989.6/96


eigen_cor_asym_sam_37_26_dd_mean vs Slug, Sign Corrected
1000
800
600
400
200
0
−200
−400
−600
100
120
140
160
180
200
Right In: -70.227+/-16.546 χ²/NDF: 12.8/21
Left Out: 42.767+/-8.698 χ²/NDF:34.7/24
Right Out: -13.737+/-16.379 χ²/NDF: 31.7/26
Left In: 7.785+/-8.974 χ²/NDF:30.6/22
Left: 25.822+/-6.246 χ²/NDF: 73.2/47
Right: -41.694+/-11.640 χ²/NDF: 50.4/48
In: -9.948+/-7.889 χ²/NDF:60.6/44
Out: 30.337+/-7.682 χ²/NDF:75.7/51
All: 10.729+/-5.504 χ²/NDF: 149.7/96



Right In: 54.547+/-0.012 χ^2/NDF: 1201073.2/21

Left Out: 37.990+/-0.006 χ^2/NDF:513605.5/24

Right Out: 56.194+/-0.012 χ^2/NDF: 1891996.3/26

Left In: 38.133+/-0.006 χ^2/NDF:428309.7/22

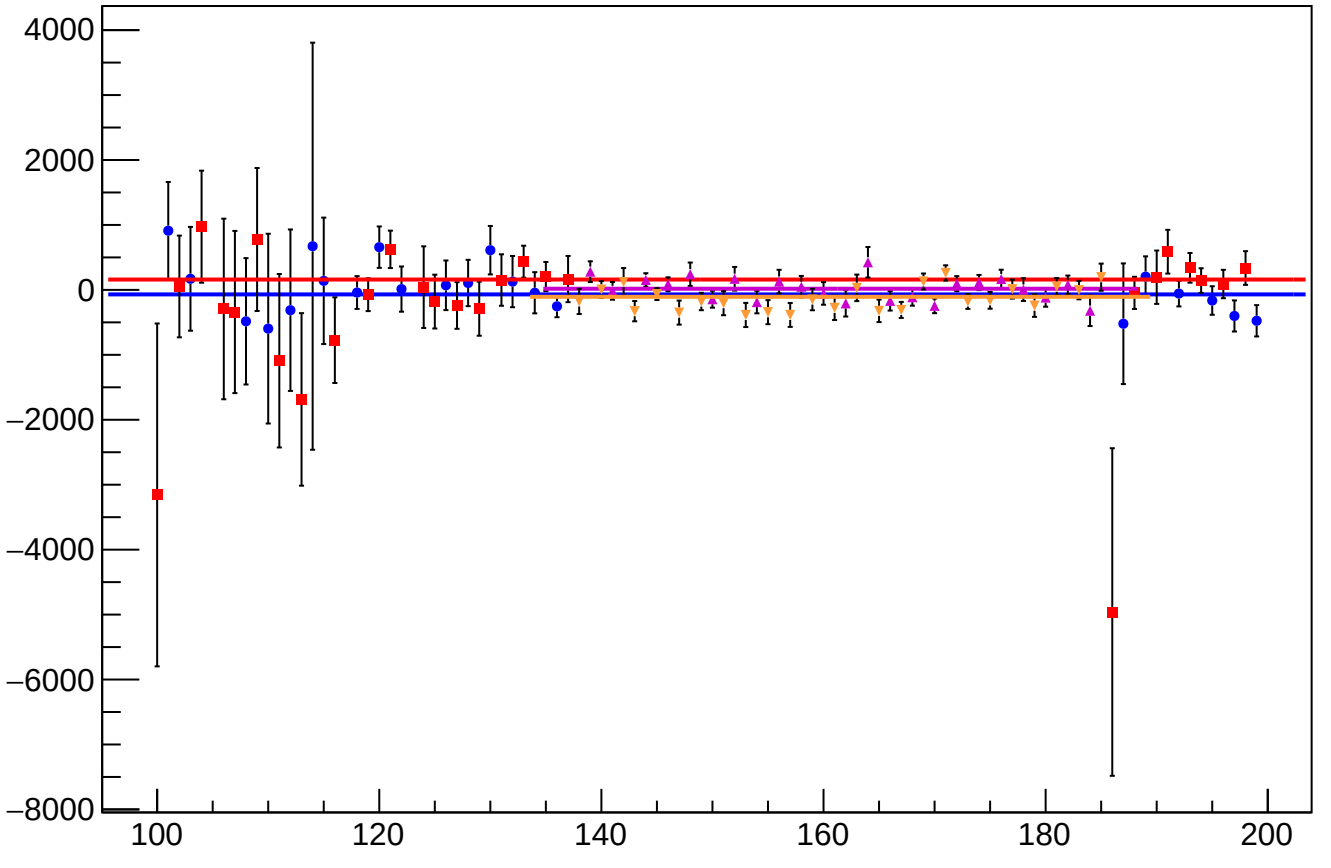
Left: 38.059+/-0.004 χ^2/NDF: 942176.9/47

Right: 55.379+/-0.008 χ^2/NDF: 3103083.5/48

In: 41.864+/-0.006 χ^2/NDF:3150175.6/44

Out: 41.995+/-0.005 χ^2/NDF:4332815.0/51

All: 41.931+/-0.004 χ^2/NDF: 7483272.5/96



Right In: -69.544+/-69.582 χ^2/NDF: 18.6/21

Left Out: -106.505+/-29.563 χ^2/NDF:37.6/24

Right Out: 159.412+/-66.991 χ^2/NDF: 23.4/26

Left In: 17.517+/-30.185 χ^2/NDF:28.2/22

Left: -45.785+/-21.121 χ^2/NDF: 74.5/47

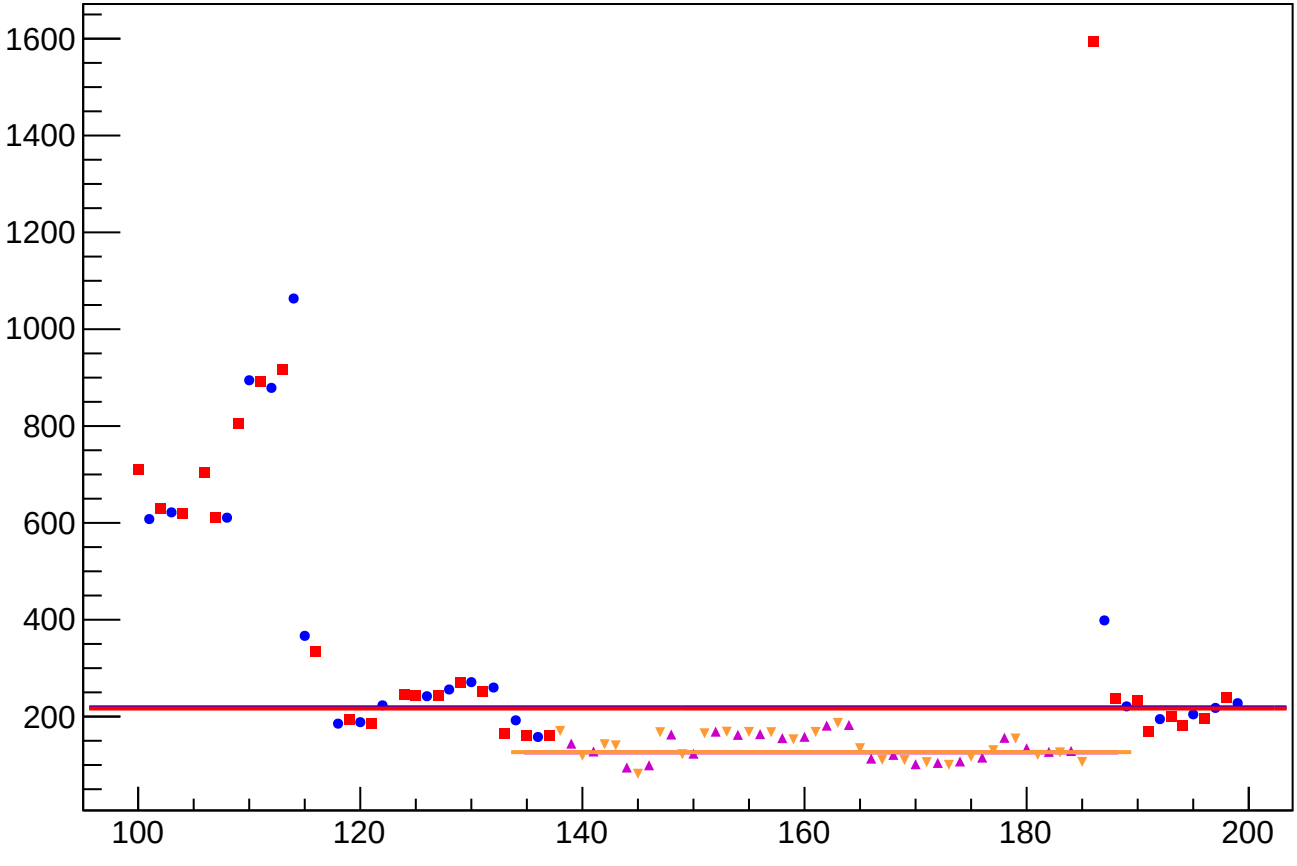
Right: 49.276+/-48.260 χ^2/NDF: 47.6/48

In: 3.728+/-27.692 χ^2/NDF:48.2/44

Out: -63.160+/-27.047 χ^2/NDF:74.2/51

All: -30.504+/-19.349 χ^2/NDF: 125.4/96

asym_sam_37_26_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 219.091+/-0.049 χ^2/NDF: 3089879.1/21

Left Out: 126.561+/-0.021 χ^2/NDF:1758151.9/24

Right Out: 216.633+/-0.047 χ^2/NDF: 4356886.6/26

Left In: 126.013+/-0.021 χ^2/NDF:1410664.0/22

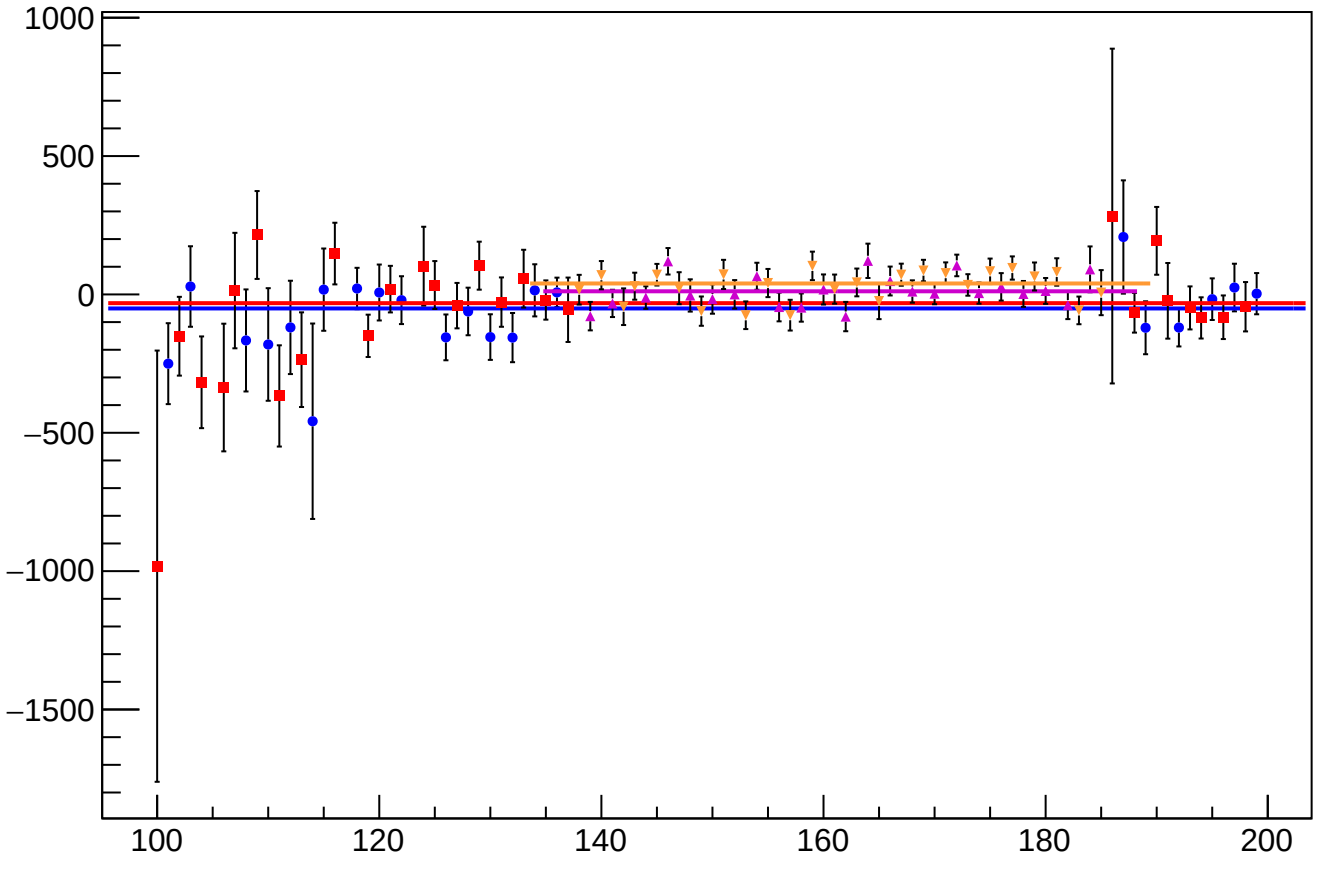
Left: 126.293+/-0.015 χ^2/NDF: 3169151.8/47

Right: 217.815+/-0.034 χ^2/NDF: 7448061.1/48

In: 140.755+/-0.020 χ^2/NDF:7512438.7/44

Out: 141.243+/-0.019 χ^2/NDF:9141233.7/51

All: 141.005+/-0.014 χ^2/NDF: 16653989.6/96



Right In: -50.709+/-19.972 χ^2/NDF: 16.9/21

Left Out: 39.563+/-9.745 χ^2/NDF:29.6/24

Right Out: -31.559+/-19.882 χ^2/NDF: 29.1/26

Left In: 11.306+/-10.077 χ^2/NDF:27.9/22

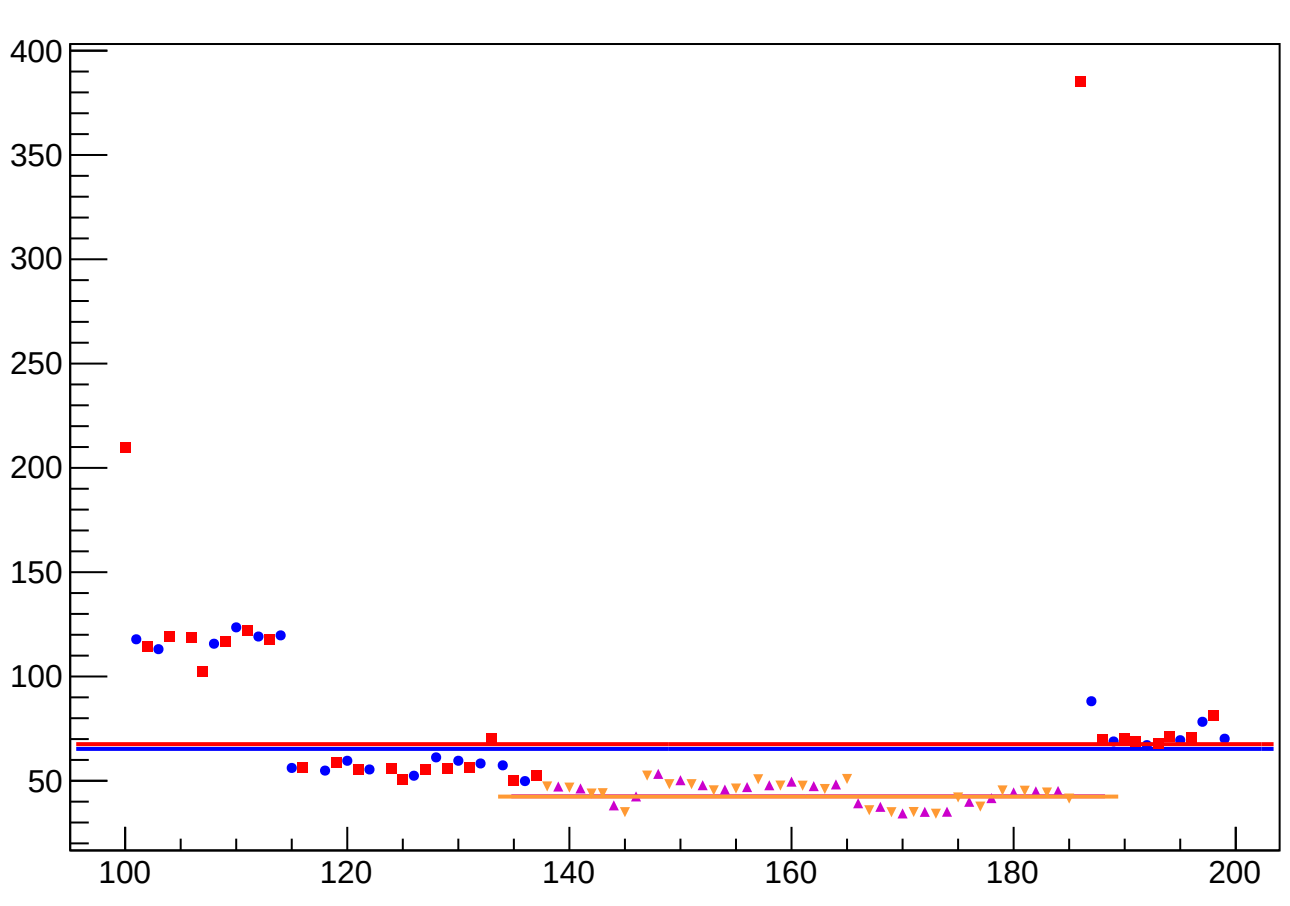
Left: 25.908+/-7.005 χ^2/NDF: 61.6/47

Right: -41.091+/-14.091 χ^2/NDF: 46.5/48

In: -1.278+/-8.997 χ^2/NDF:52.5/44

Out: 25.787+/-8.751 χ^2/NDF:69.0/51

All: 12.629+/-6.273 χ^2/NDF: 126.2/96



Right In: 65.290+/-0.014 χ^2/NDF: 1464119.8/21

Left Out: 42.426+/-0.007 χ^2/NDF:698766.0/24

Right Out: 67.564+/-0.014 χ^2/NDF: 2228328.8/26

Left In: 42.579+/-0.007 χ^2/NDF:589897.0/22

Left: 42.500+/-0.005 χ^2/NDF: 1288900.7/47

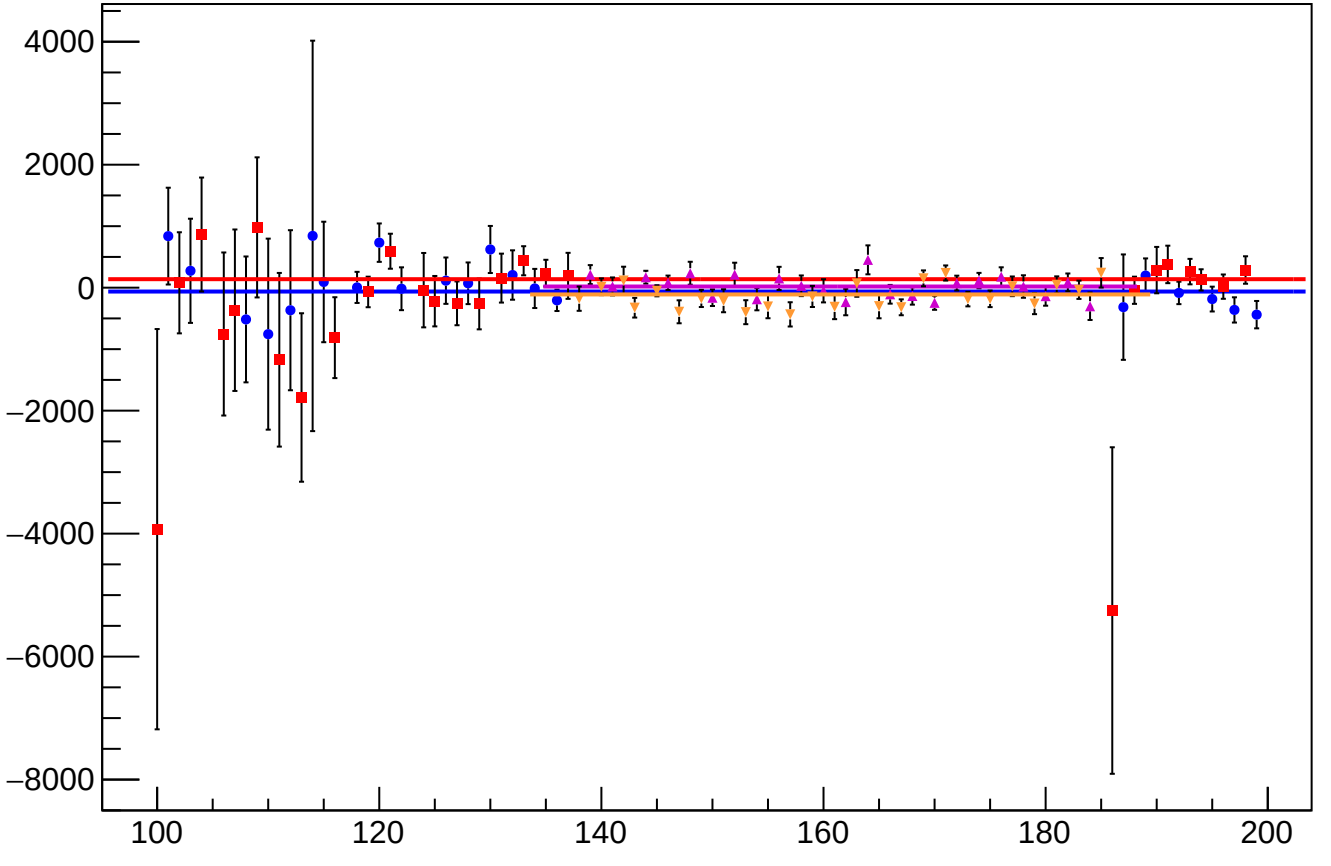
Right: 66.432+/-0.010 χ^2/NDF: 3705475.2/48

In: 47.187+/-0.006 χ^2/NDF:4115355.8/44

Out: 47.296+/-0.006 χ^2/NDF:5504895.9/51

All: 47.243+/-0.004 χ^2/NDF: 9620400.1/96

asym_sam_37_26_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: -62.938+/-66.715 χ^2/NDF: 19.6/21

Left Out: -109.869+/-30.759 χ^2/NDF:36.3/24

Right Out: 138.057+/-62.932 χ^2/NDF: 23.1/26

Left In: 18.838+/-31.477 χ^2/NDF:27.2/22

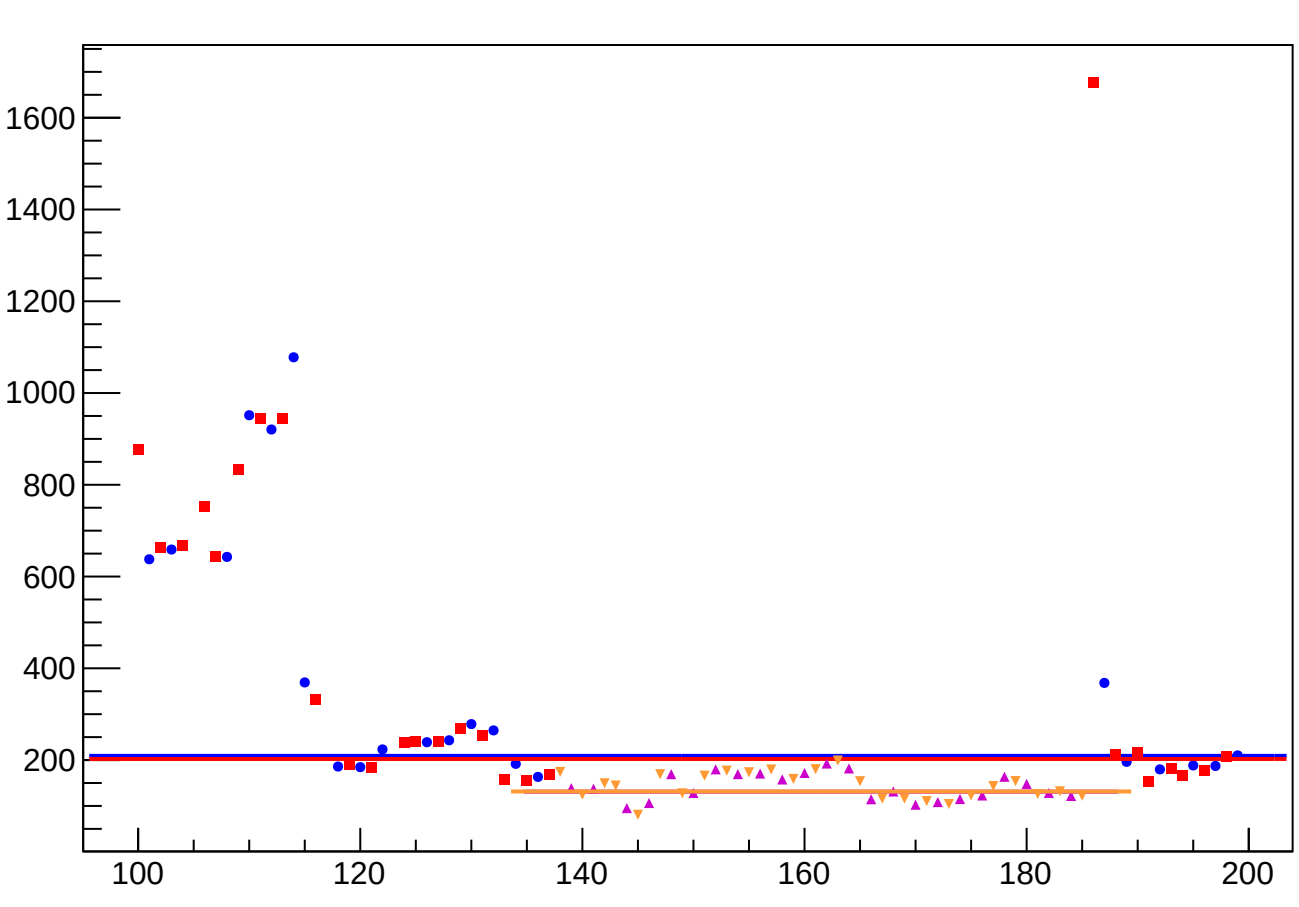
Left: -47.000+/-21.999 χ^2/NDF: 72.0/47

Right: 43.420+/-45.779 χ^2/NDF: 47.5/48

In: 3.949+/-28.467 χ^2/NDF:48.1/44

Out: -62.064+/-27.635 χ^2/NDF:71.9/51

All: -30.037+/-19.828 χ^2/NDF: 122.7/96



Right In: 209.135+/-0.047 χ^2/NDF: 3256186.8/21

Left Out: 131.515+/-0.022 χ^2/NDF:1902958.8/24

Right Out: 202.393+/-0.044 χ^2/NDF: 4754892.1/26

Left In: 131.074+/-0.022 χ^2/NDF:1467806.6/22

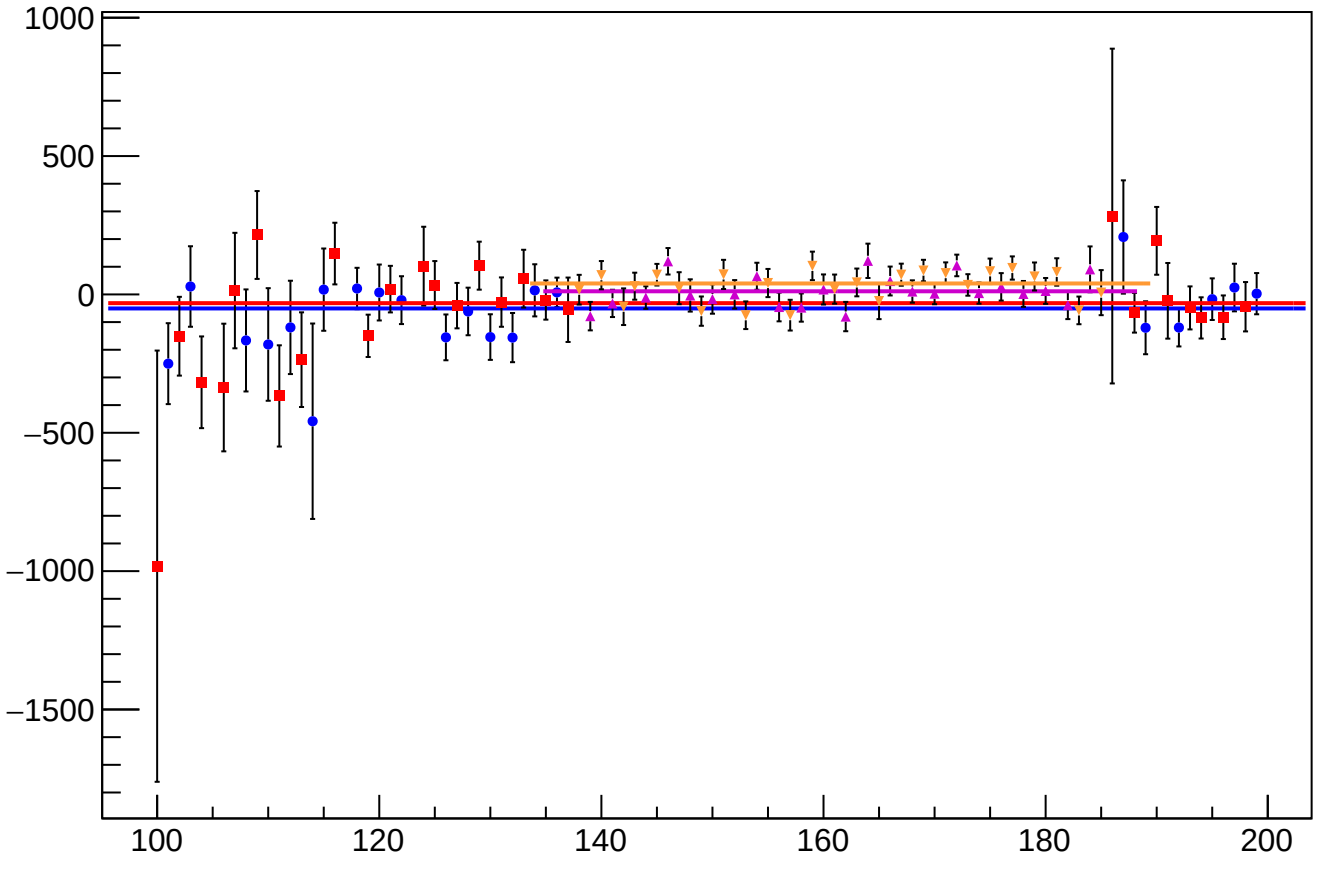
Left: 131.300+/-0.016 χ^2/NDF: 3370966.4/47

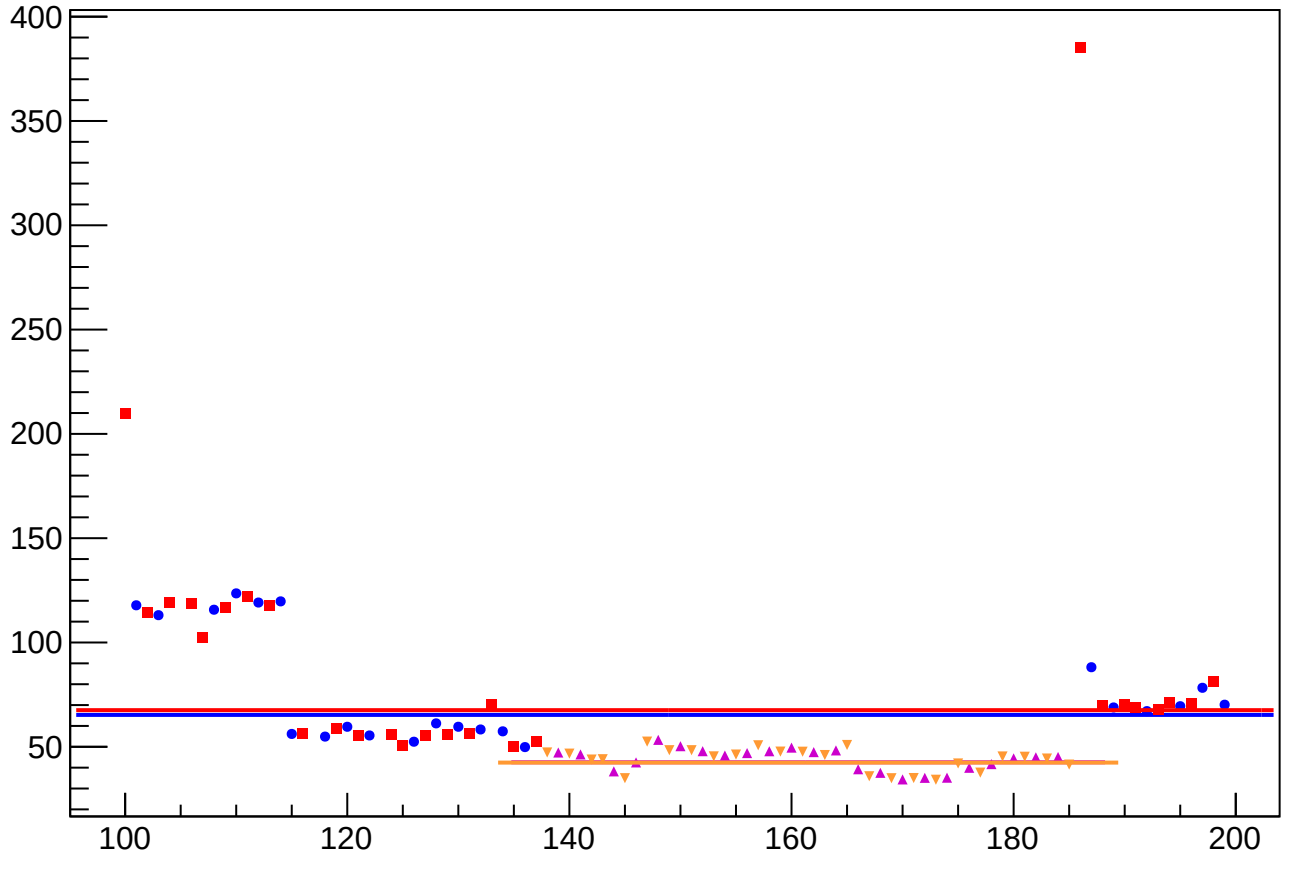
Right: 205.567+/-0.032 χ^2/NDF: 8021886.9/48

In: 145.287+/-0.020 χ^2/NDF:6963561.4/44

Out: 145.182+/-0.020 χ^2/NDF:8705575.7/51

All: 145.233+/-0.014 χ^2/NDF: 15669151.0/96


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: -50.710+/-19.972 χ²/NDF: 16.9/21
Left Out: 39.564+/-9.745 χ²/NDF:29.6/24
Right Out: -31.560+/-19.882 χ²/NDF: 29.1/26
Left In: 11.306+/-10.077 χ²/NDF:27.9/22
Left: 25.908+/-7.005 χ²/NDF: 61.6/47
Right: -41.092+/-14.091 χ²/NDF: 46.5/48
In: -1.278+/-8.997 χ²/NDF:52.5/44
Out: 25.787+/-8.751 χ²/NDF:69.0/51
All: 12.630+/-6.273 χ²/NDF: 126.2/96



Right In: 65.290+/-0.014 χ^2/NDF: 1464124.4/21

Left Out: 42.426+/-0.007 χ^2/NDF:698784.4/24

Right Out: 67.564+/-0.014 χ^2/NDF: 2228326.2/26

Left In: 42.579+/-0.007 χ^2/NDF:589901.9/22

Left: 42.500+/-0.005 χ^2/NDF: 1288924.2/47

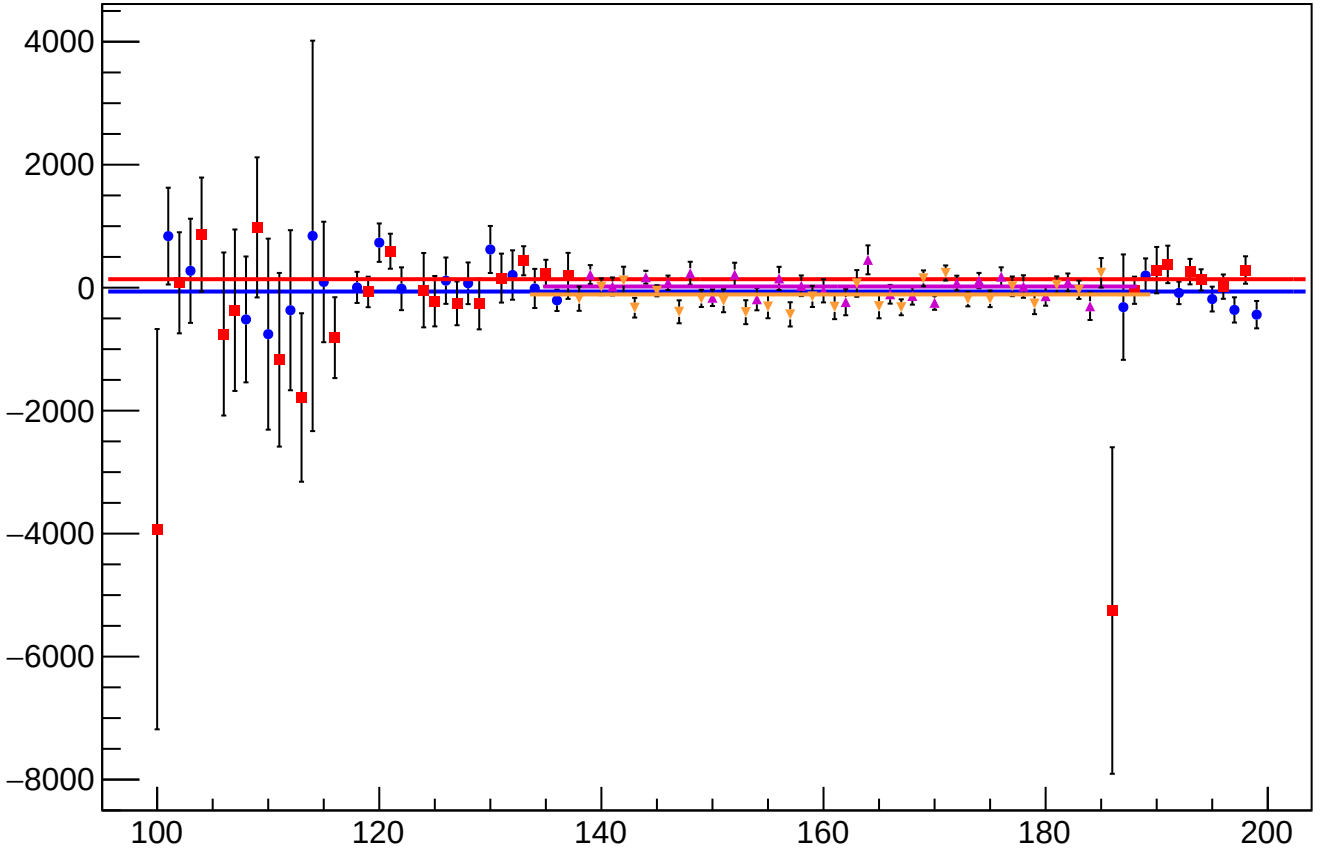
Right: 66.432+/-0.010 χ^2/NDF: 3705479.2/48

In: 47.187+/-0.006 χ^2/NDF:4115330.4/44

Out: 47.296+/-0.006 χ^2/NDF:5504918.9/51

All: 47.243+/-0.004 χ^2/NDF: 9620397.6/96

asym_sam_37_26_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -62.937+/-66.715 χ^2/NDF: 19.6/21

Left Out: -109.869+/-30.759 χ^2/NDF:36.3/24

Right Out: 138.056+/-62.932 χ^2/NDF: 23.1/26

Left In: 18.838+/-31.477 χ^2/NDF:27.2/22

Left: -47.000+/-21.999 χ^2/NDF: 72.0/47

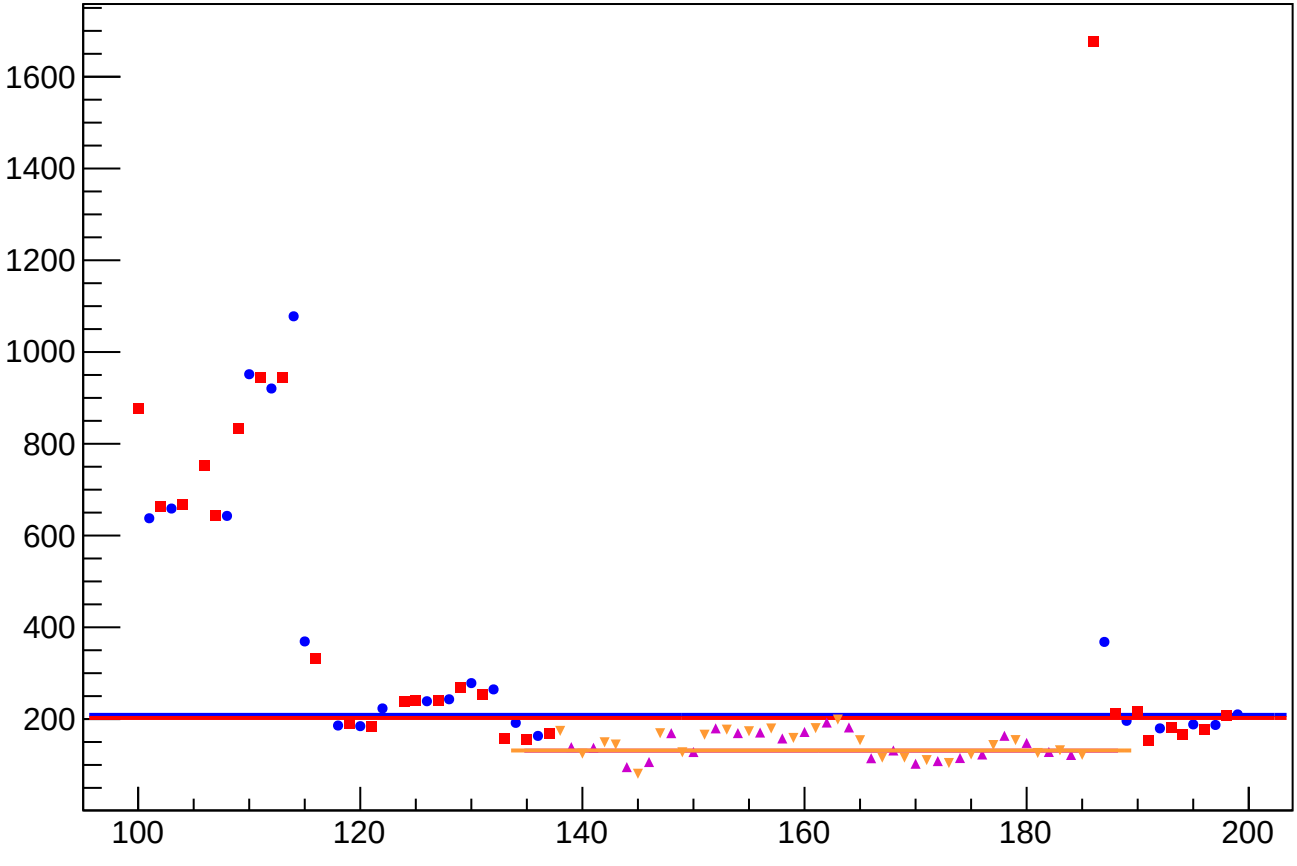
Right: 43.419+/-45.779 χ^2/NDF: 47.5/48

In: 3.949+/-28.467 χ^2/NDF:48.1/44

Out: -62.063+/-27.635 χ^2/NDF:71.9/51

All: -30.037+/-19.828 χ^2/NDF: 122.7/96

asym_sam_37_26_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 209.134+/-0.047 χ^2/NDF: 3256182.2/21

Left Out: 131.515+/-0.022 χ^2/NDF:1902951.8/24

Right Out: 202.392+/-0.044 χ^2/NDF: 4754891.9/26

Left In: 131.074+/-0.022 χ^2/NDF:1467810.7/22

Left: 131.300+/-0.016 χ^2/NDF: 3370963.6/47

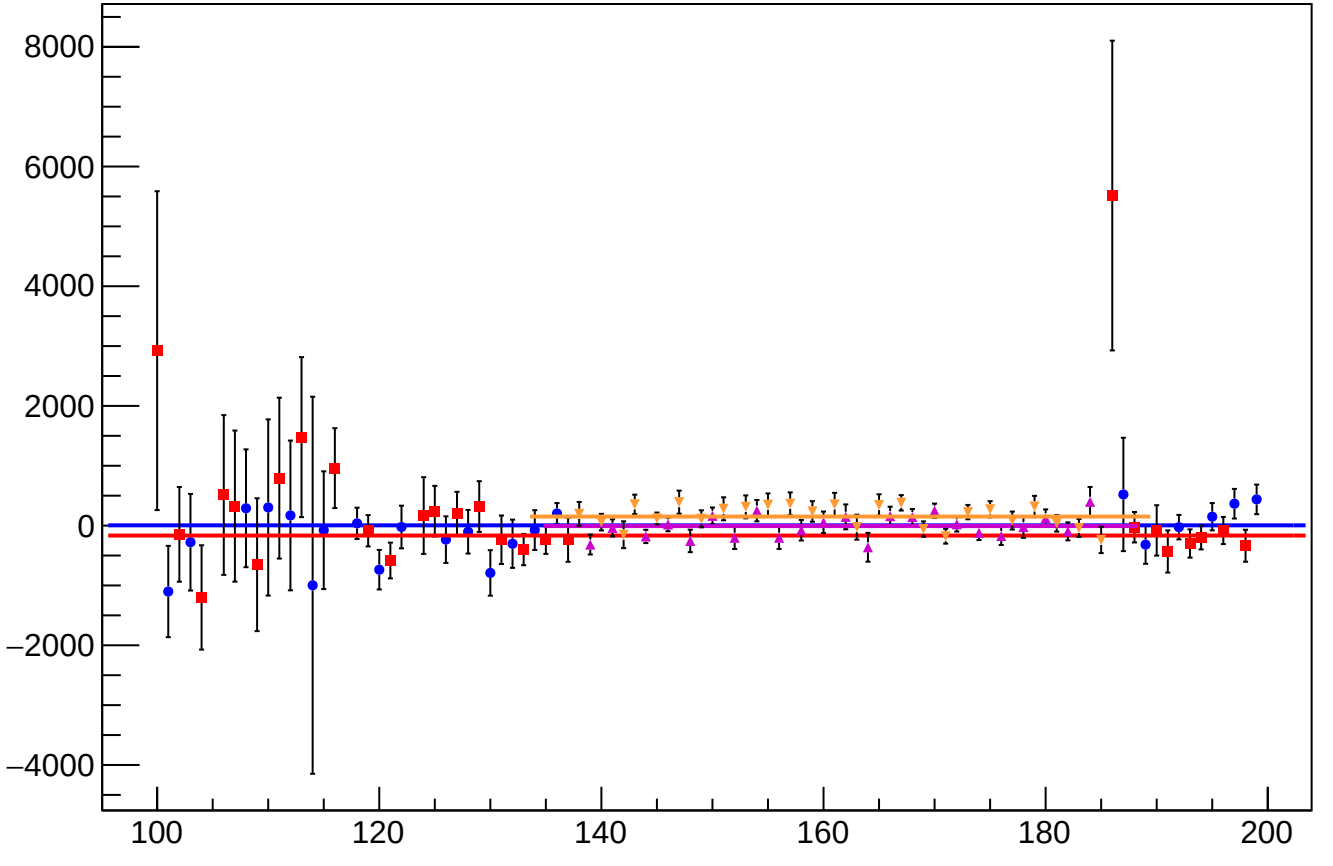
Right: 205.567+/-0.032 χ^2/NDF: 8021881.7/48

In: 145.287+/-0.020 χ^2/NDF:6963522.8/44

Out: 145.182+/-0.020 χ^2/NDF:8705533.8/51

All: 145.233+/-0.014 χ^2/NDF: 15669070.5/96

asym_sam_37_26_dd_mean vs Slug, Sign Corrected



Right In: 4.327+/-71.820 χ^2/NDF: 21.2/21

Left Out: 151.108+/-30.952 χ^2/NDF:33.1/24

Right Out: -166.208+/-69.361 χ^2/NDF: 21.3/26

Left In: -7.941+/-31.621 χ^2/NDF:29.5/22

Left: 73.285+/-22.119 χ^2/NDF: 75.5/47

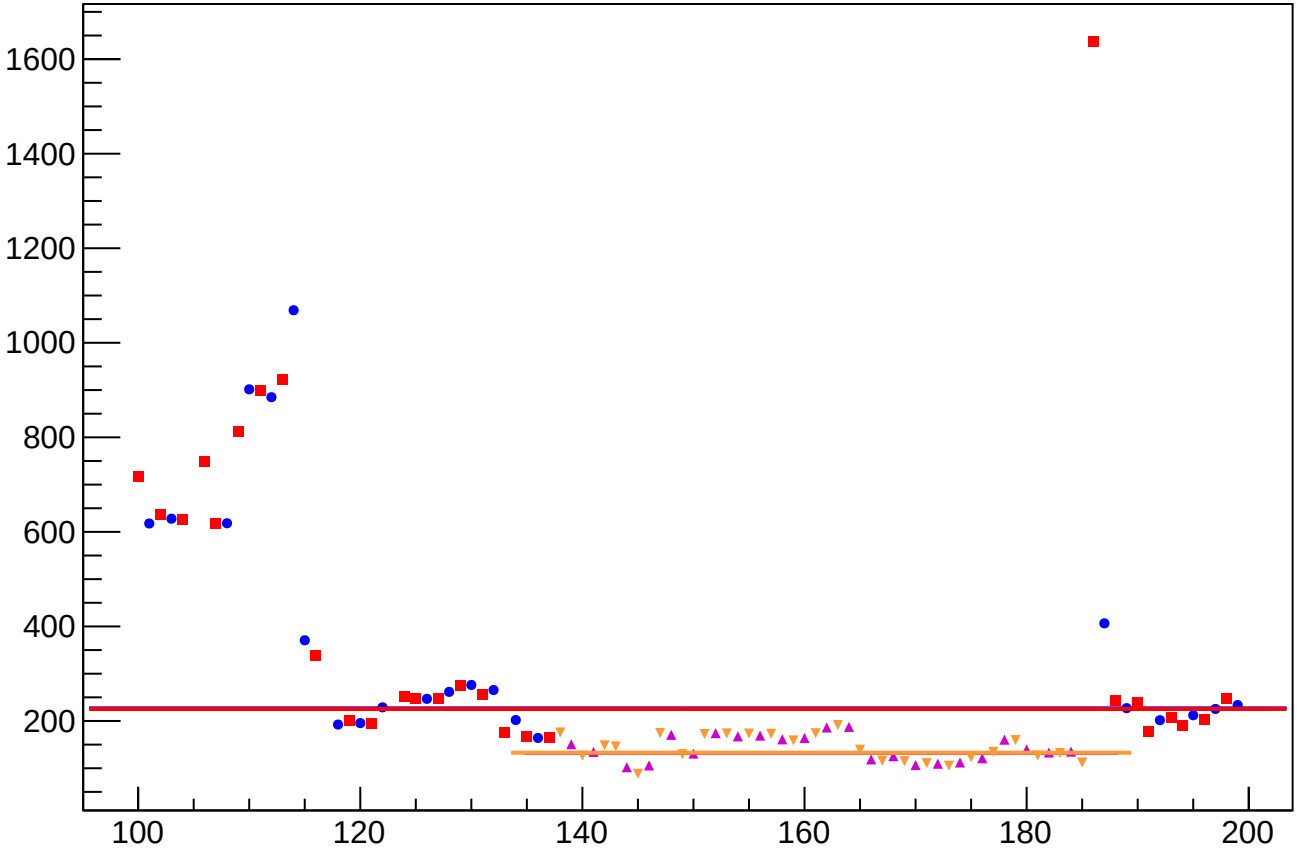
Right: -83.910+/-49.892 χ^2/NDF: 45.5/48

In: -5.949+/-28.940 χ^2/NDF:50.7/44

Out: 98.414+/-28.265 χ^2/NDF:71.9/51

All: 47.464+/-20.221 χ^2/NDF: 129.2/96

asym_sam_37_26_dd_rms vs Slug, Sign Corrected



Right In: 226.700+/-0.051 χ^2/NDF: 3003578.6/21

Left Out: 132.876+/-0.022 χ^2/NDF:1592310.5/24

Right Out: 225.346+/-0.049 χ^2/NDF: 4296841.1/26

Left In: 132.342+/-0.022 χ^2/NDF:1277761.6/22

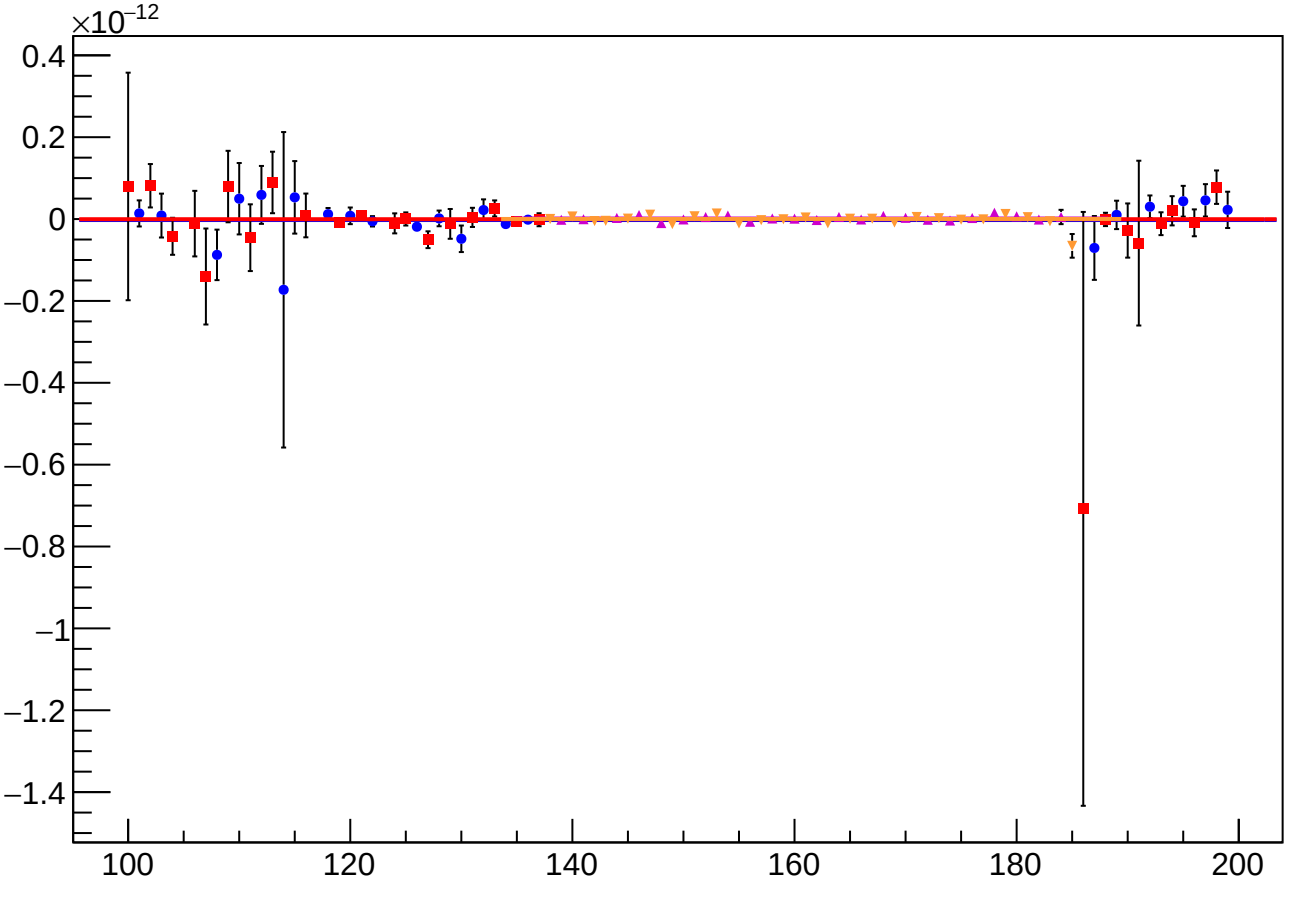
Left: 132.614+/-0.016 χ^2/NDF: 2870363.4/47

Right: 225.999+/-0.035 χ^2/NDF: 7300787.5/48

In: 147.663+/-0.020 χ^2/NDF:7173020.0/44

Out: 148.232+/-0.020 χ^2/NDF:8853570.3/51

All: 147.954+/-0.014 χ^2/NDF: 16026985.4/96



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/21

Left Out: 0.000+/-0.000 χ^2/NDF:32.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 23.5/26

Left In: 0.000+/-0.000 χ^2/NDF:14.9/22

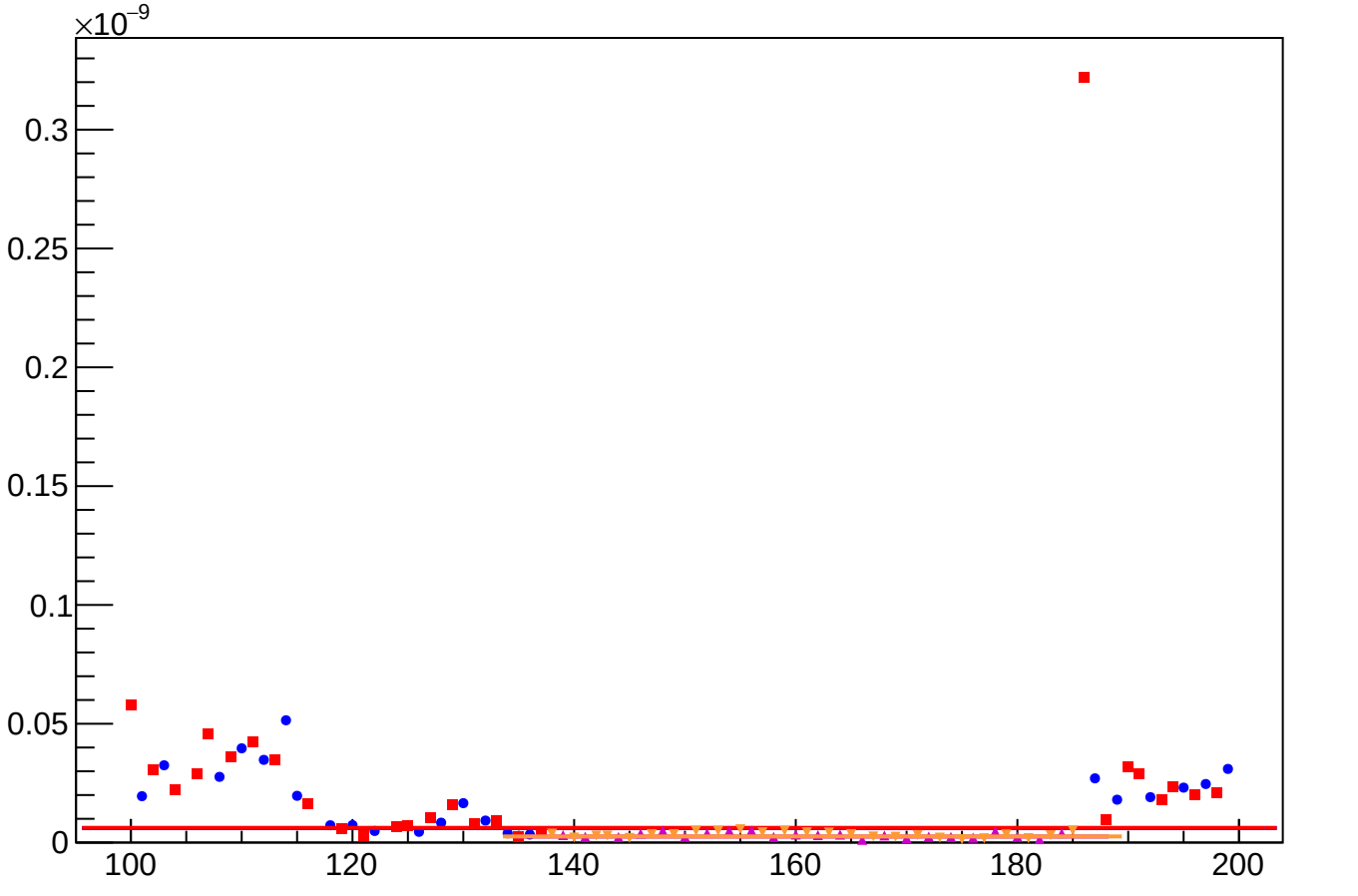
Left: 0.000+/-0.000 χ^2/NDF: 47.6/47

Right: -0.000+/-0.000 χ^2/NDF: 40.9/48

In: 0.000+/-0.000 χ^2/NDF:33.1/44

Out: 0.000+/-0.000 χ^2/NDF:55.8/51

All: 0.000+/-0.000 χ^2/NDF: 89.2/96



Right In: 0.000+/-0.000 χ^2/NDF: 5057013.6/21

Left Out: 0.000+/-0.000 χ^2/NDF:2174042.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5628477.2/26

Left In: 0.000+/-0.000 χ^2/NDF:1530752.8/22

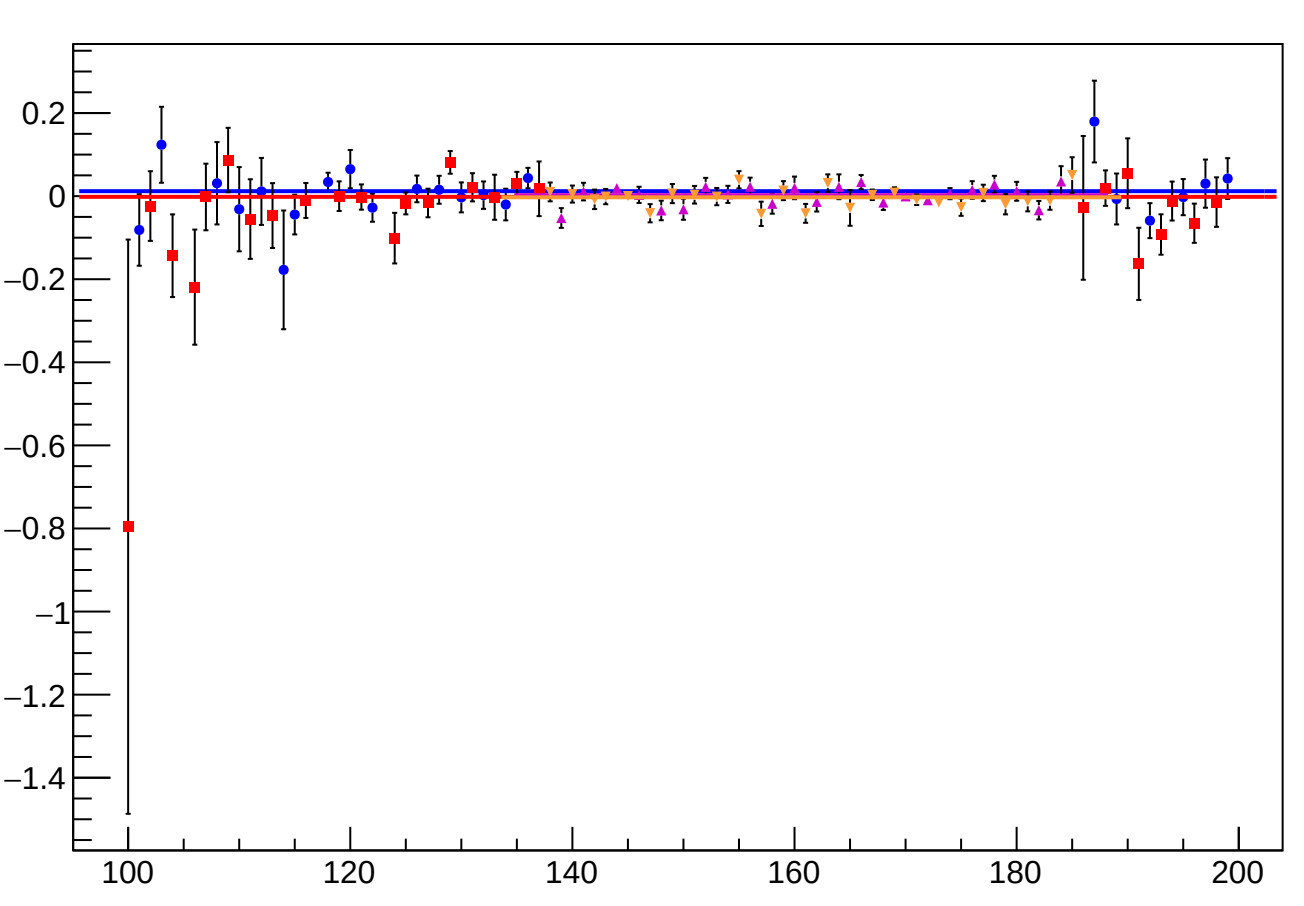
Left: 0.000+/-0.000 χ^2/NDF: 3707099.3/47

Right: 0.000+/-0.000 χ^2/NDF: 10686680.8/48

In: 0.000+/-0.000 χ^2/NDF:8391994.2/44

Out: 0.000+/-0.000 χ^2/NDF:9538823.3/51

All: 0.000+/-0.000 χ^2/NDF: 17931140.4/96



Right In: 0.012+/-0.009 χ^2/NDF: 18.8/21

Left Out: -0.003+/-0.004 χ^2/NDF:22.6/24

Right Out: -0.002+/-0.009 χ^2/NDF: 31.6/26

Left In: 0.002+/-0.004 χ^2/NDF:26.9/22

Left: -0.000+/-0.003 χ^2/NDF: 50.5/47

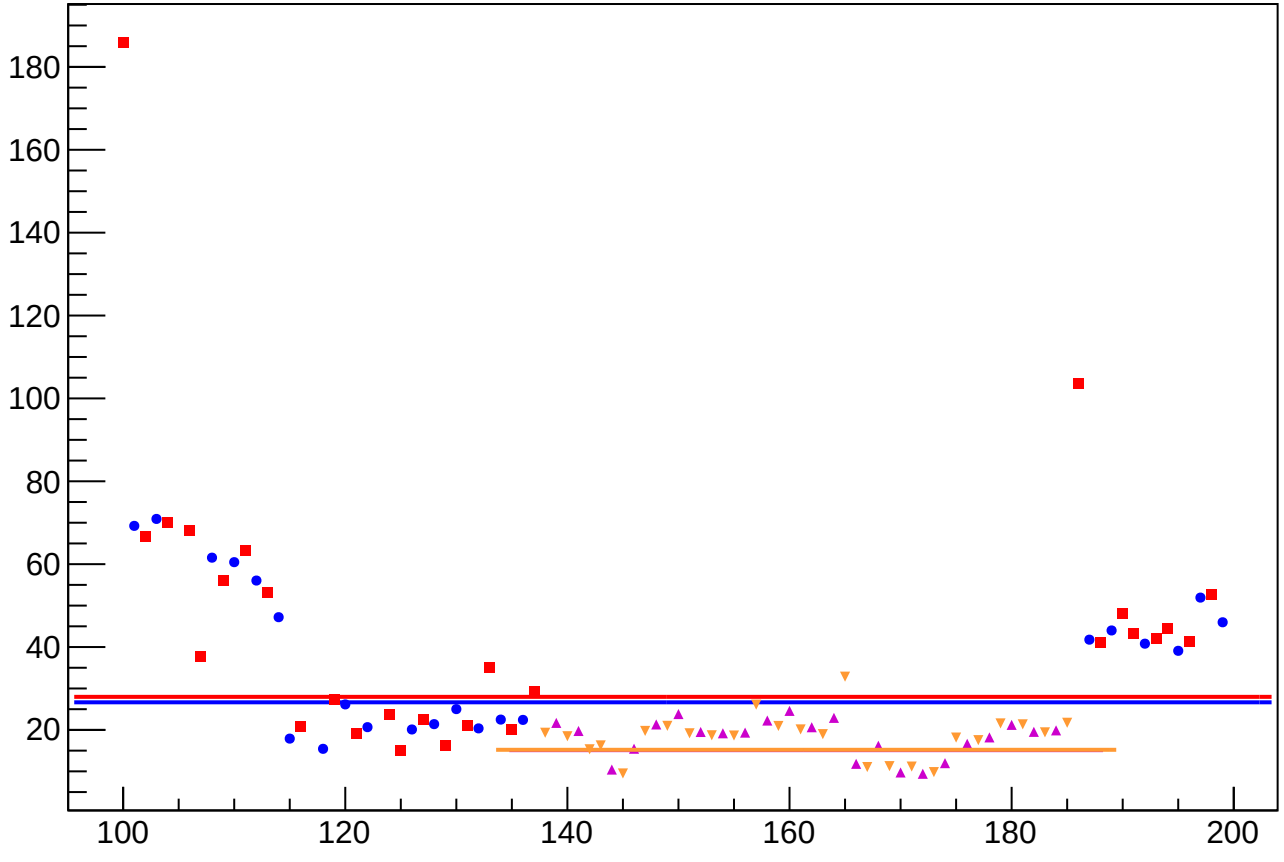
Right: 0.005+/-0.006 χ^2/NDF: 51.5/48

In: 0.004+/-0.004 χ^2/NDF:46.7/44

Out: -0.003+/-0.003 χ^2/NDF:54.3/51

All: 0.000+/-0.002 χ^2/NDF: 102.7/96

asym_sam_37_26_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 26.660+/-0.006 χ^2/NDF: 3947679.2/21

Left Out: 15.202+/-0.003 χ^2/NDF:3441921.2/24

Right Out: 27.980+/-0.006 χ^2/NDF: 4905851.0/26

Left In: 15.116+/-0.003 χ^2/NDF:3402288.3/22

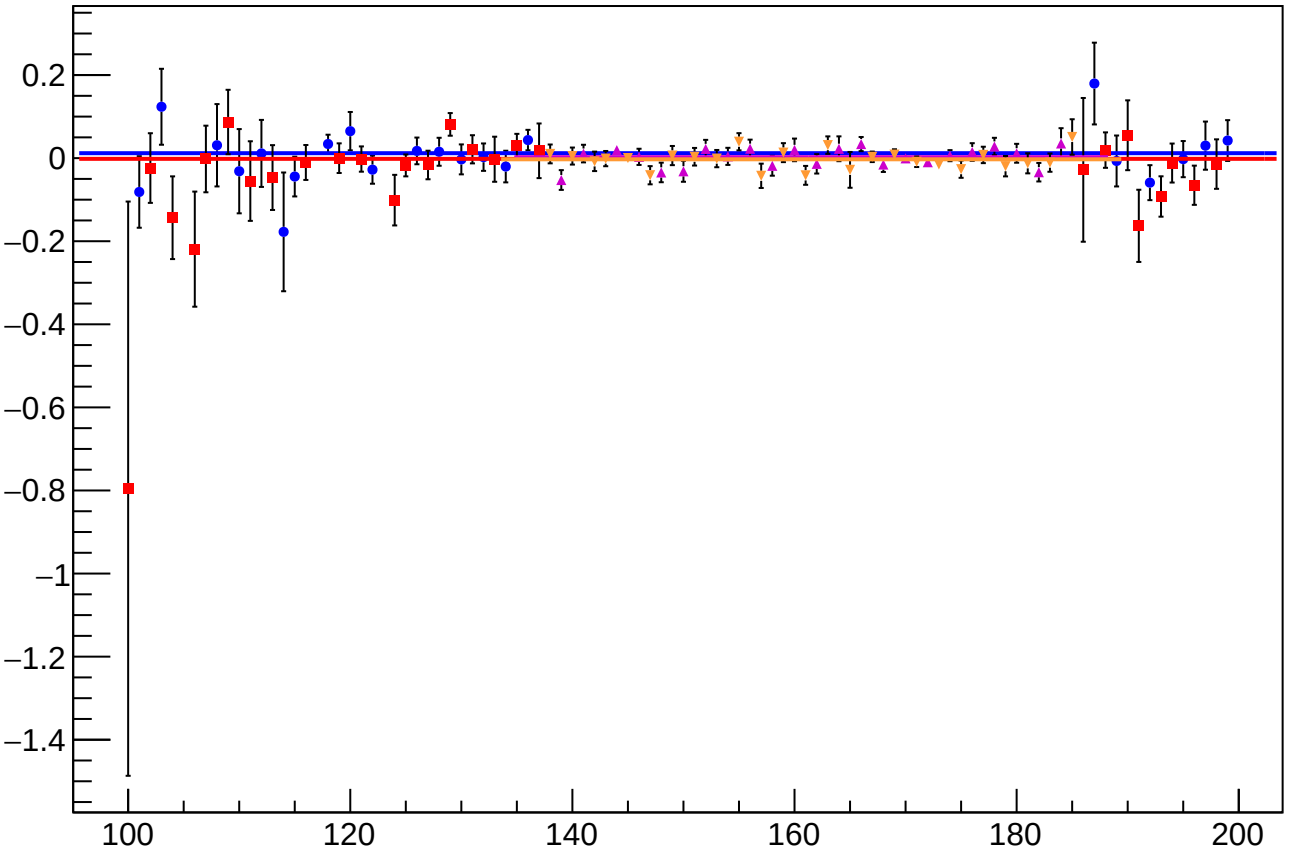
Left: 15.161+/-0.002 χ^2/NDF: 6844723.3/47

Right: 27.316+/-0.004 χ^2/NDF: 8875130.6/48

In: 16.900+/-0.002 χ^2/NDF:10164256.3/44

Out: 17.052+/-0.002 χ^2/NDF:11791817.4/51

All: 16.978+/-0.002 χ^2/NDF: 21957975.9/96



Right In: 0.012+/-0.009 χ^2/NDF: 18.8/21

Left Out: -0.003+/-0.004 χ^2/NDF:22.6/24

Right Out: -0.002+/-0.009 χ^2/NDF: 31.6/26

Left In: 0.002+/-0.004 χ^2/NDF:26.9/22

Left: -0.000+/-0.003 χ^2/NDF: 50.5/47

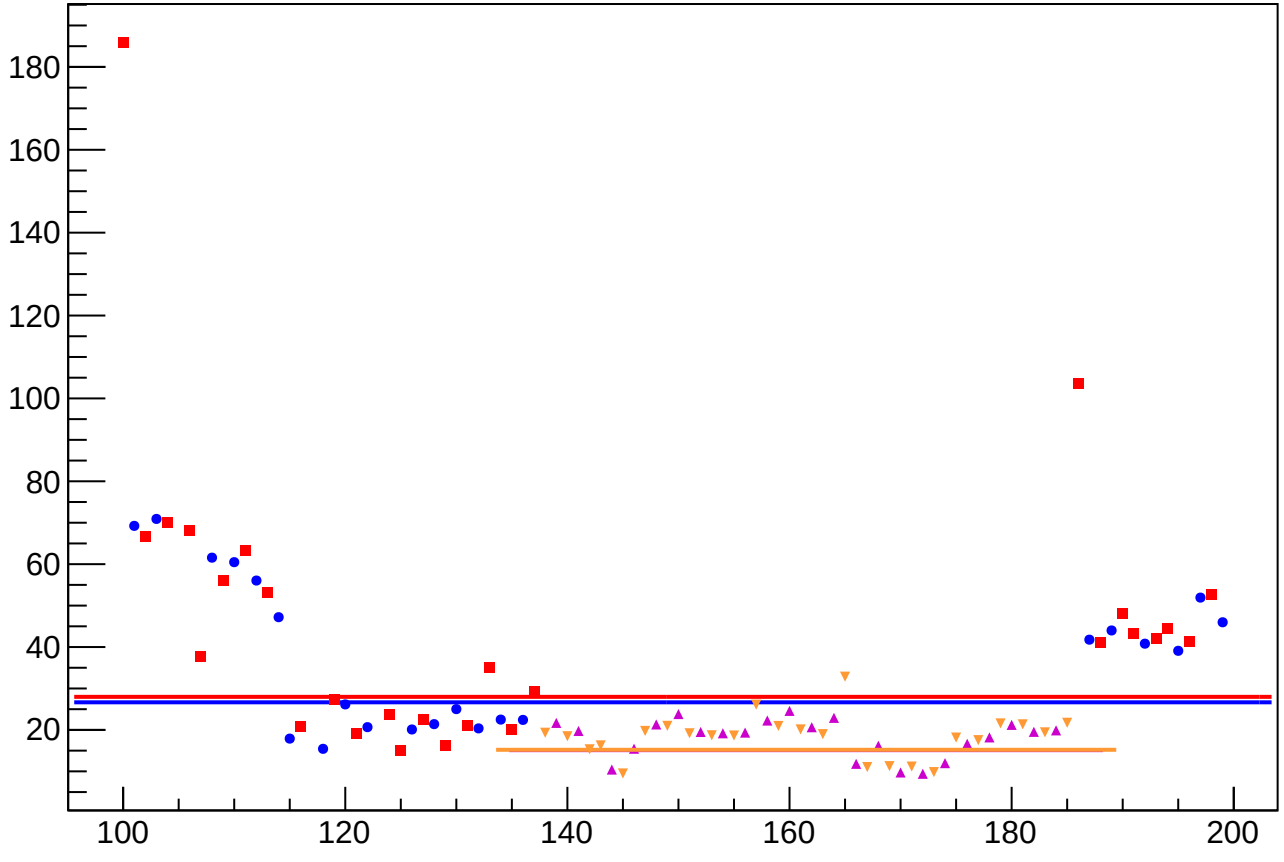
Right: 0.005+/-0.006 χ^2/NDF: 51.5/48

In: 0.004+/-0.004 χ^2/NDF:46.7/44

Out: -0.003+/-0.003 χ^2/NDF:54.3/51

All: 0.000+/-0.002 χ^2/NDF: 102.7/96

asym_sam_37_26_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 26.660+/-0.006 χ^2/NDF: 3947679.2/21

Left Out: 15.202+/-0.003 χ^2/NDF:3441921.2/24

Right Out: 27.980+/-0.006 χ^2/NDF: 4905851.0/26

Left In: 15.116+/-0.003 χ^2/NDF:3402288.3/22

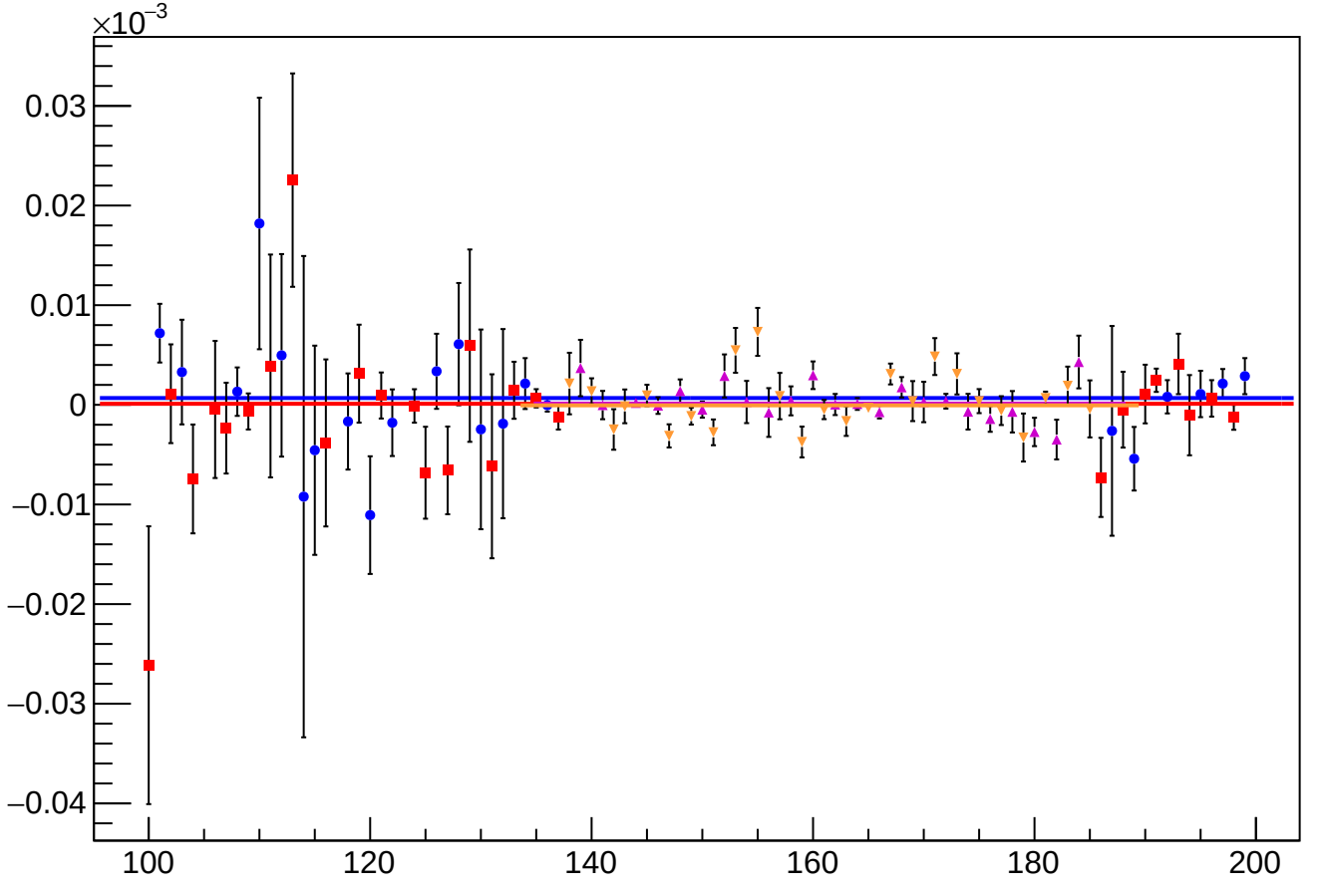
Left: 15.161+/-0.002 χ^2/NDF: 6844723.3/47

Right: 27.316+/-0.004 χ^2/NDF: 8875130.6/48

In: 16.900+/-0.002 χ^2/NDF:10164256.3/44

Out: 17.052+/-0.002 χ^2/NDF:11791817.4/51

All: 16.978+/-0.002 χ^2/NDF: 21957975.9/96



Right In: 0.000+/-0.000 χ^2/NDF: 21.7/21

Left Out: -0.000+/-0.000 χ^2/NDF:62.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 29.0/26

Left In: 0.000+/-0.000 χ^2/NDF:25.5/22

Left: 0.000+/-0.000 χ^2/NDF: 88.7/47

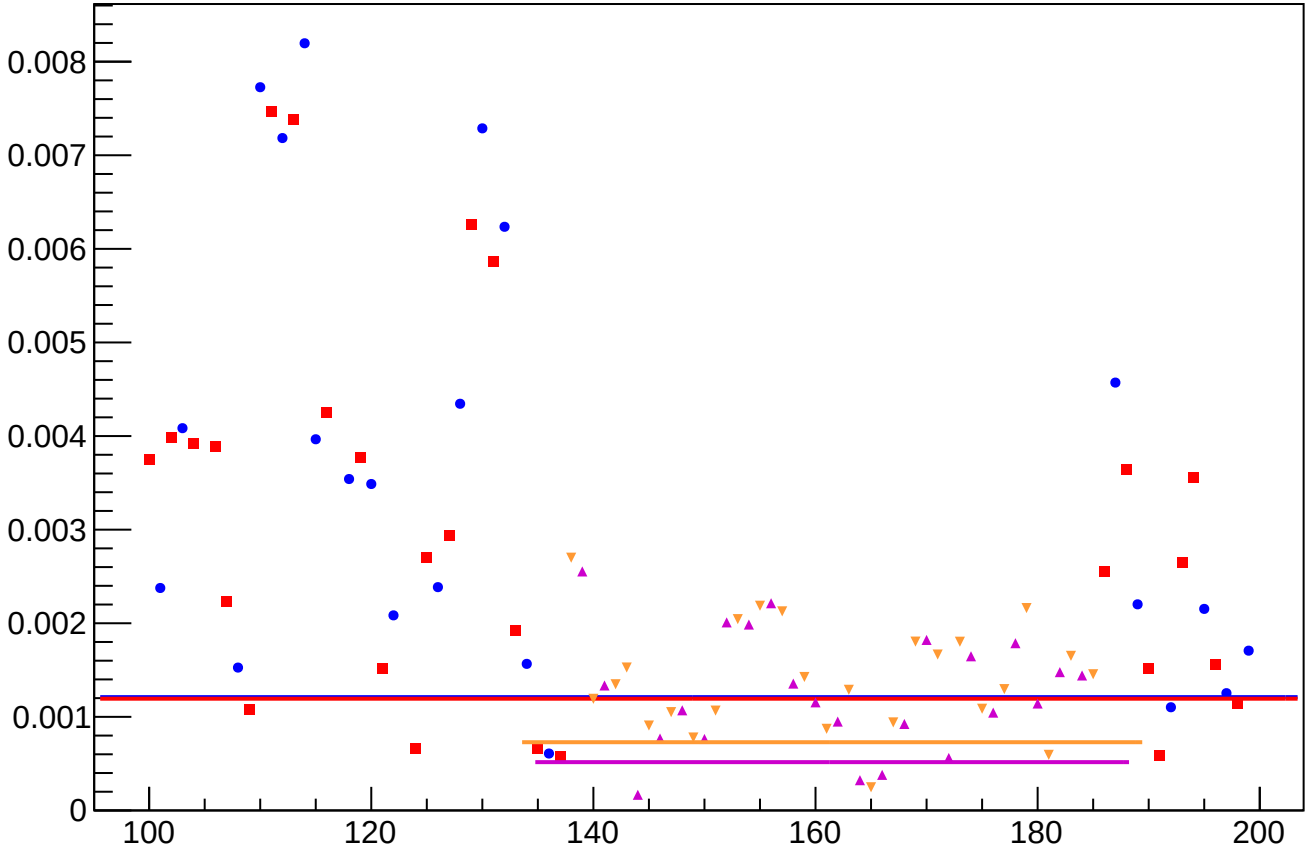
Right: 0.000+/-0.000 χ^2/NDF: 51.5/48

In: 0.000+/-0.000 χ^2/NDF:48.4/44

Out: -0.000+/-0.000 χ^2/NDF:91.9/51

All: 0.000+/-0.000 χ^2/NDF: 141.0/96

asym_sam_37_26_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 8050228.7/21

Left Out: 0.001+/-0.000 χ^2/NDF:13120515.6/24

Right Out: 0.001+/-0.000 χ^2/NDF: 9686011.6/26

Left In: 0.001+/-0.000 χ^2/NDF:15027708.0/22

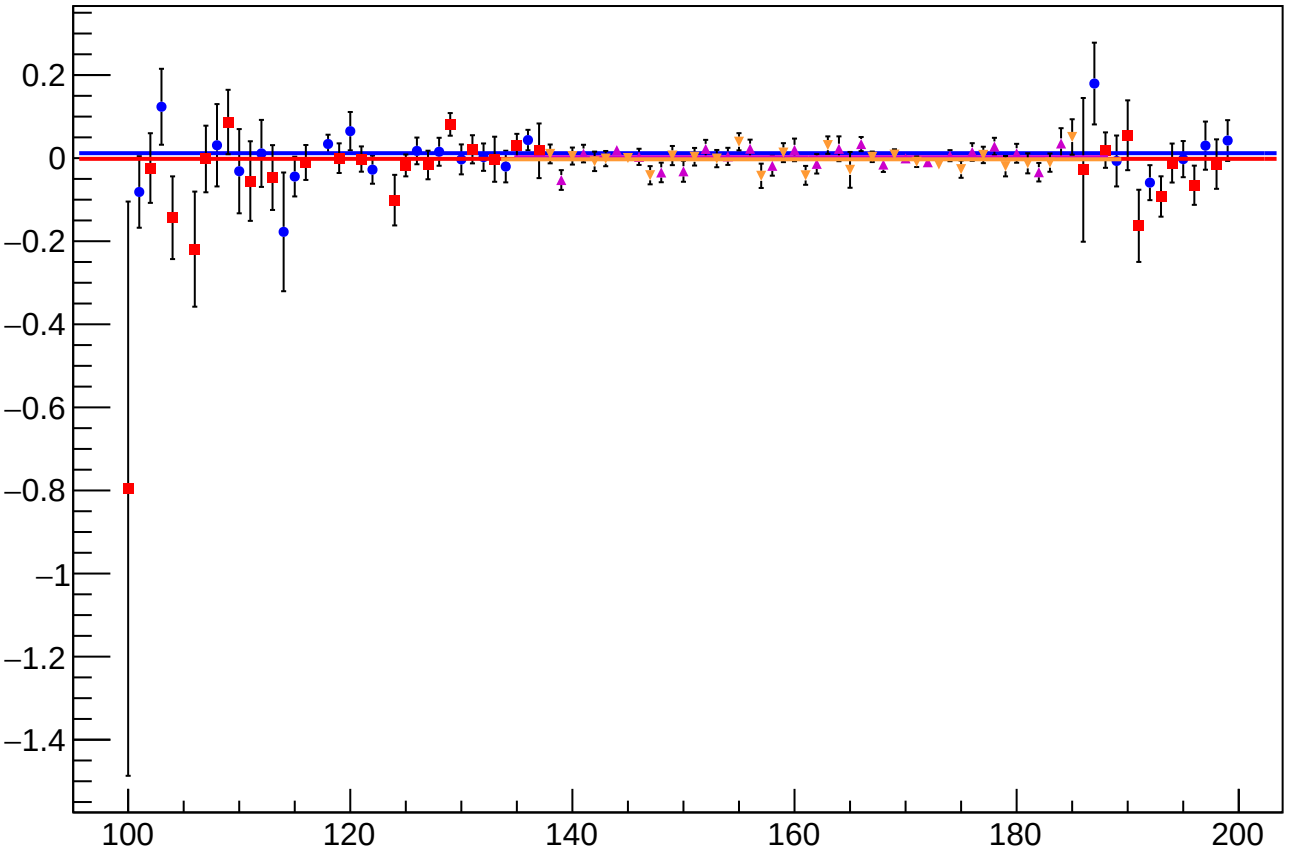
Left: 0.001+/-0.000 χ^2/NDF: 29374928.0/47

Right: 0.001+/-0.000 χ^2/NDF: 17737569.1/48

In: 0.001+/-0.000 χ^2/NDF:26962232.4/44

Out: 0.001+/-0.000 χ^2/NDF:24637479.3/51

All: 0.001+/-0.000 χ^2/NDF: 53049030.6/96



Right In: 0.012+/-0.009 χ^2/NDF: 18.8/21

Left Out: -0.003+/-0.004 χ^2/NDF:22.6/24

Right Out: -0.002+/-0.009 χ^2/NDF: 31.6/26

Left In: 0.002+/-0.004 χ^2/NDF:26.9/22

Left: -0.000+/-0.003 χ^2/NDF: 50.5/47

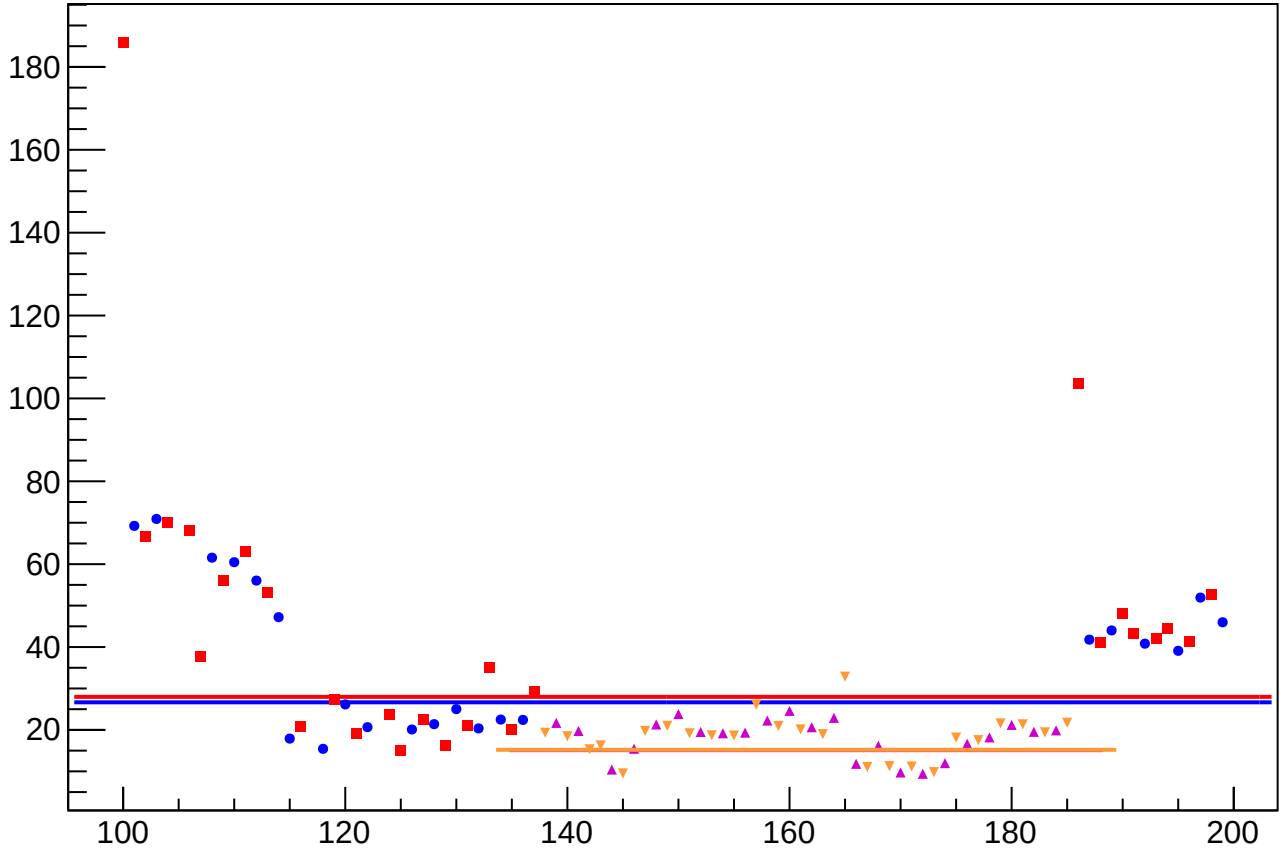
Right: 0.005+/-0.006 χ^2/NDF: 51.5/48

In: 0.004+/-0.004 χ^2/NDF:46.7/44

Out: -0.003+/-0.003 χ^2/NDF:54.3/51

All: 0.000+/-0.002 χ^2/NDF: 102.7/96

asym_sam_37_26_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 26.659+/-0.006 χ^2/NDF: 3948007.8/21

Left Out: 15.202+/-0.003 χ^2/NDF:3442015.2/24

Right Out: 27.979+/-0.006 χ^2/NDF: 4906041.4/26

Left In: 15.117+/-0.003 χ^2/NDF:3402318.1/22

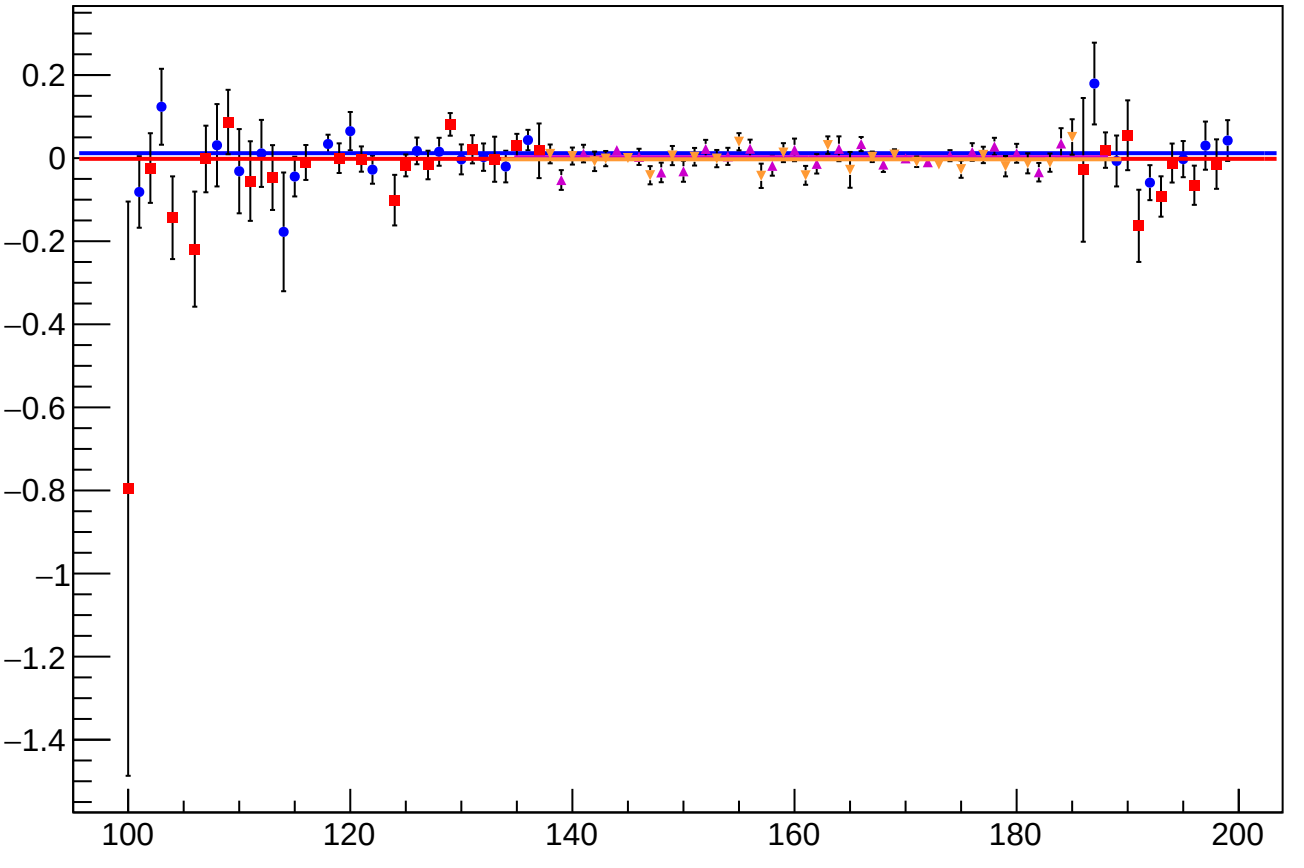
Left: 15.161+/-0.002 χ^2/NDF: 6844846.5/47

Right: 27.315+/-0.004 χ^2/NDF: 8875675.9/48

In: 16.900+/-0.002 χ^2/NDF:10164098.2/44

Out: 17.052+/-0.002 χ^2/NDF:11791860.9/51

All: 16.978+/-0.002 χ^2/NDF: 21957861.5/96



Right In: 0.012+/-0.009 χ^2/NDF: 18.8/21

Left Out: -0.003+/-0.004 χ^2/NDF:22.6/24

Right Out: -0.002+/-0.009 χ^2/NDF: 31.6/26

Left In: 0.002+/-0.004 χ^2/NDF:26.9/22

Left: -0.000+/-0.003 χ^2/NDF: 50.5/47

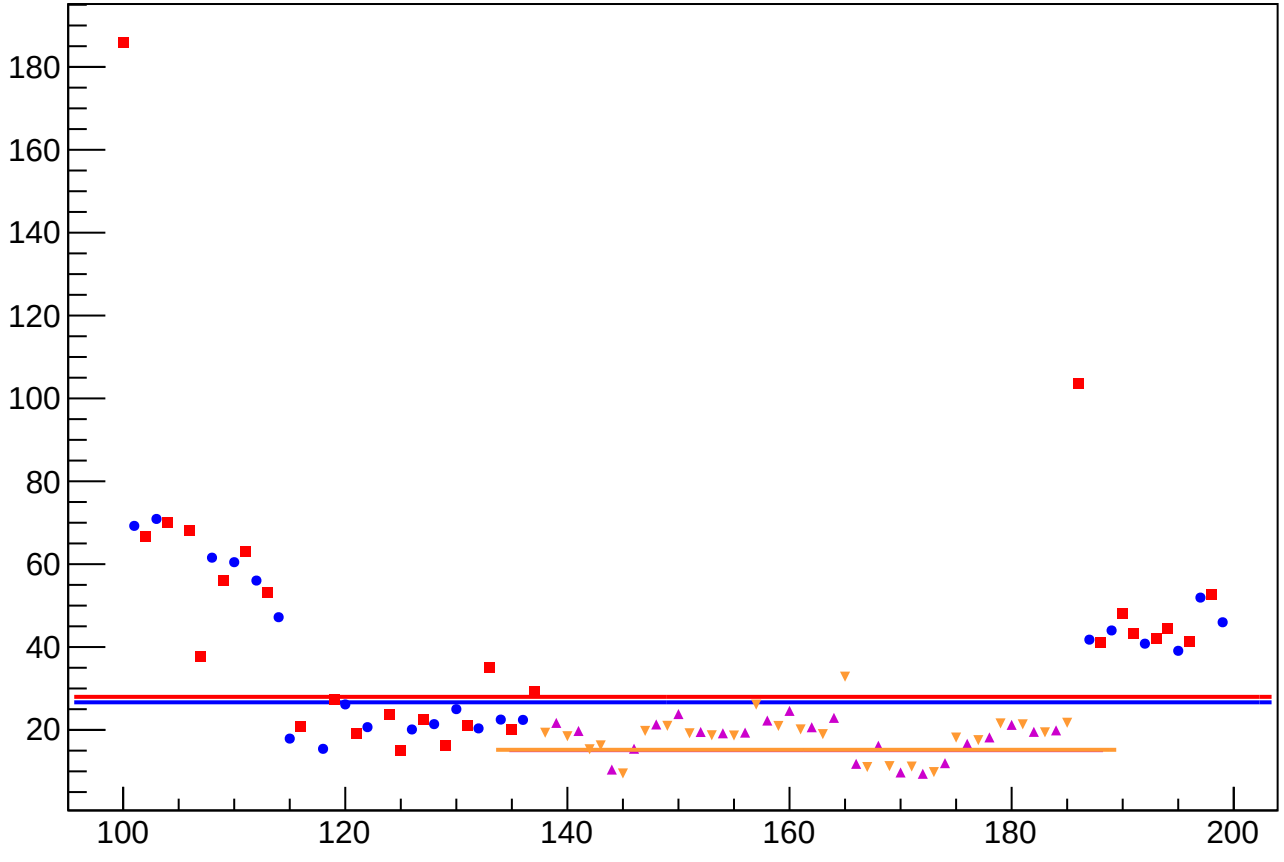
Right: 0.005+/-0.006 χ^2/NDF: 51.5/48

In: 0.004+/-0.004 χ^2/NDF:46.7/44

Out: -0.003+/-0.003 χ^2/NDF:54.3/51

All: 0.000+/-0.002 χ^2/NDF: 102.7/96

asym_sam_37_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 26.659+/-0.006 χ^2/NDF: 3948007.8/21

Left Out: 15.202+/-0.003 χ^2/NDF:3442015.2/24

Right Out: 27.979+/-0.006 χ^2/NDF: 4906041.4/26

Left In: 15.117+/-0.003 χ^2/NDF:3402318.1/22

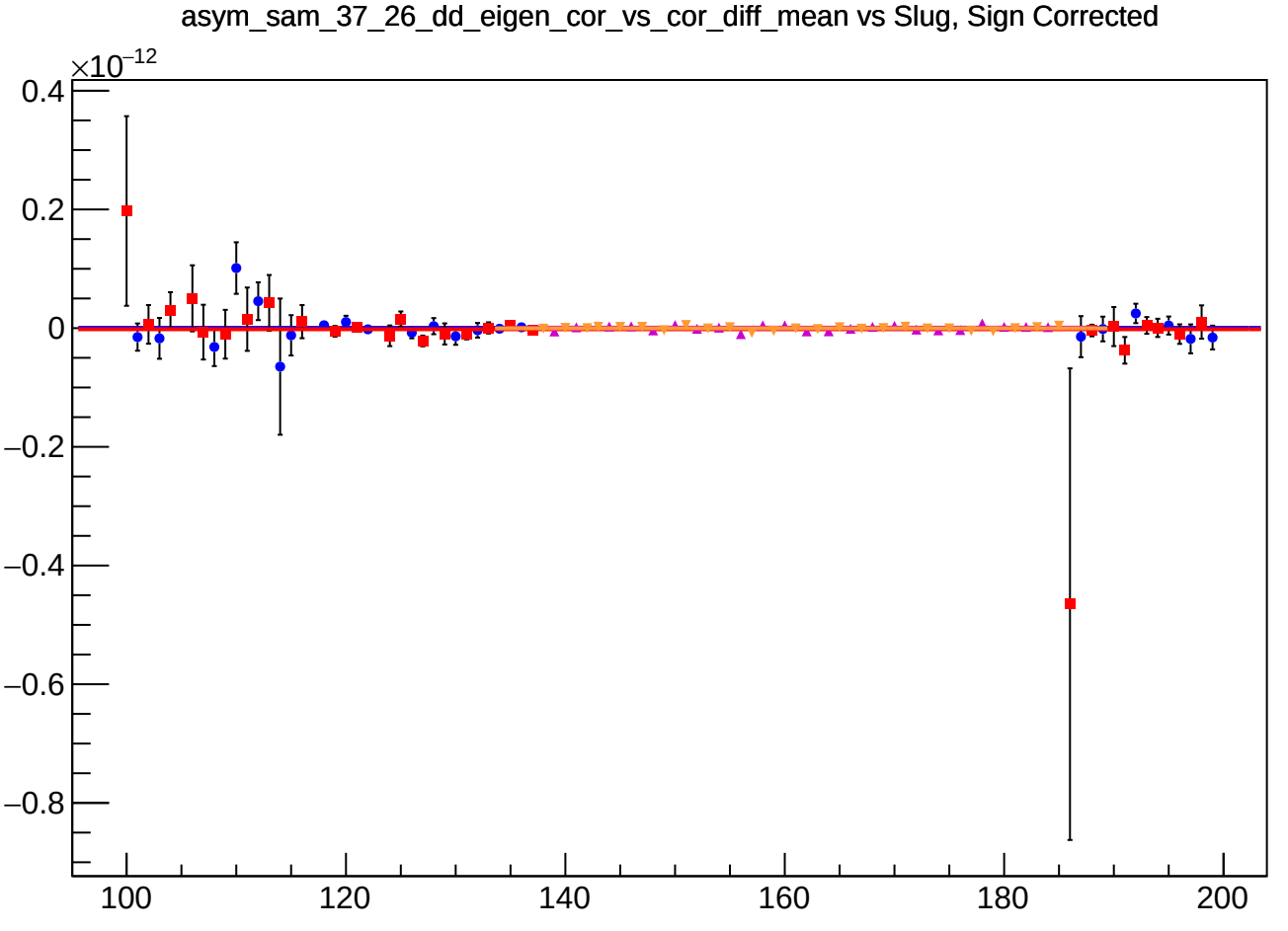
Left: 15.161+/-0.002 χ^2/NDF: 6844846.5/47

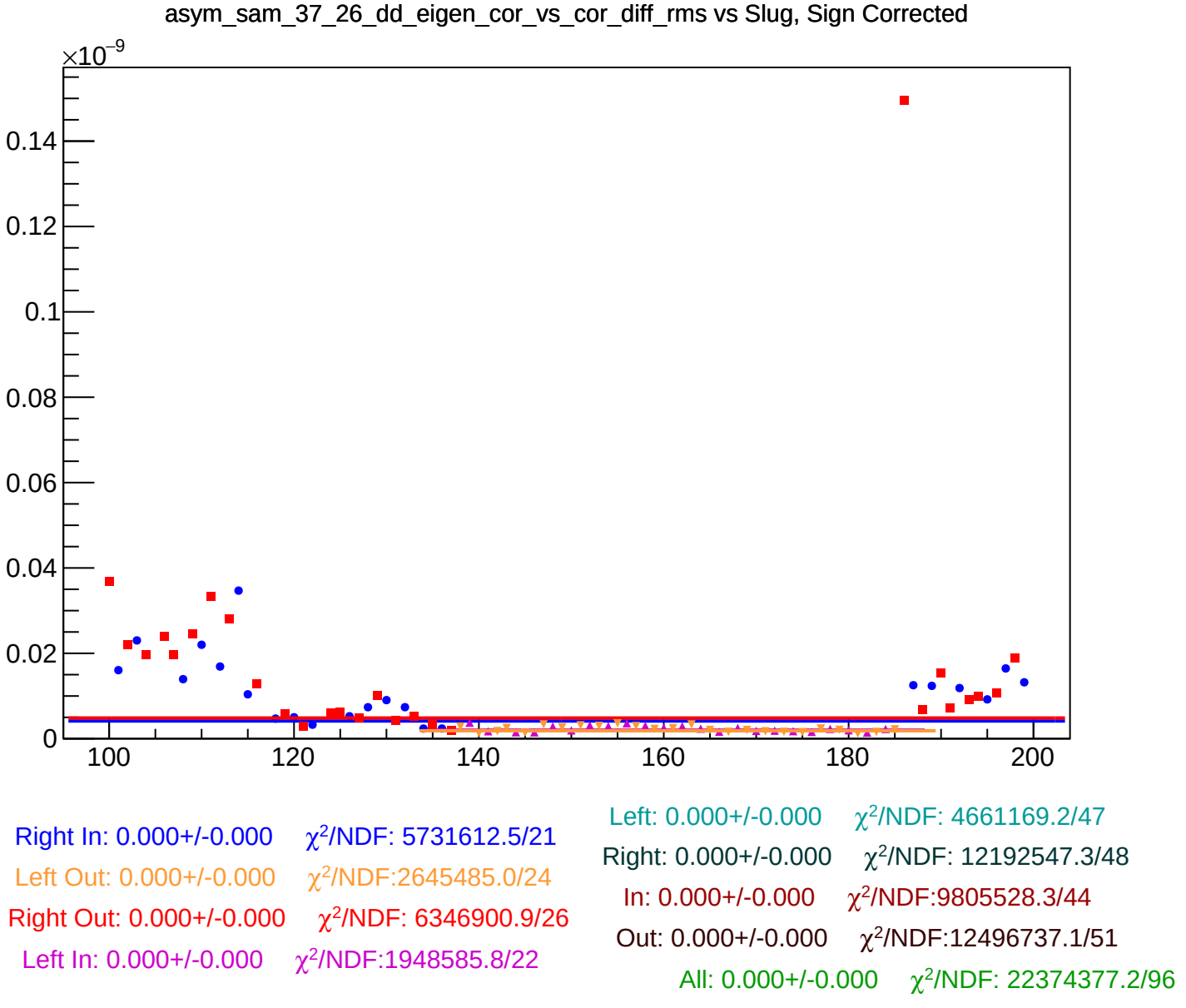
Right: 27.315+/-0.004 χ^2/NDF: 8875675.9/48

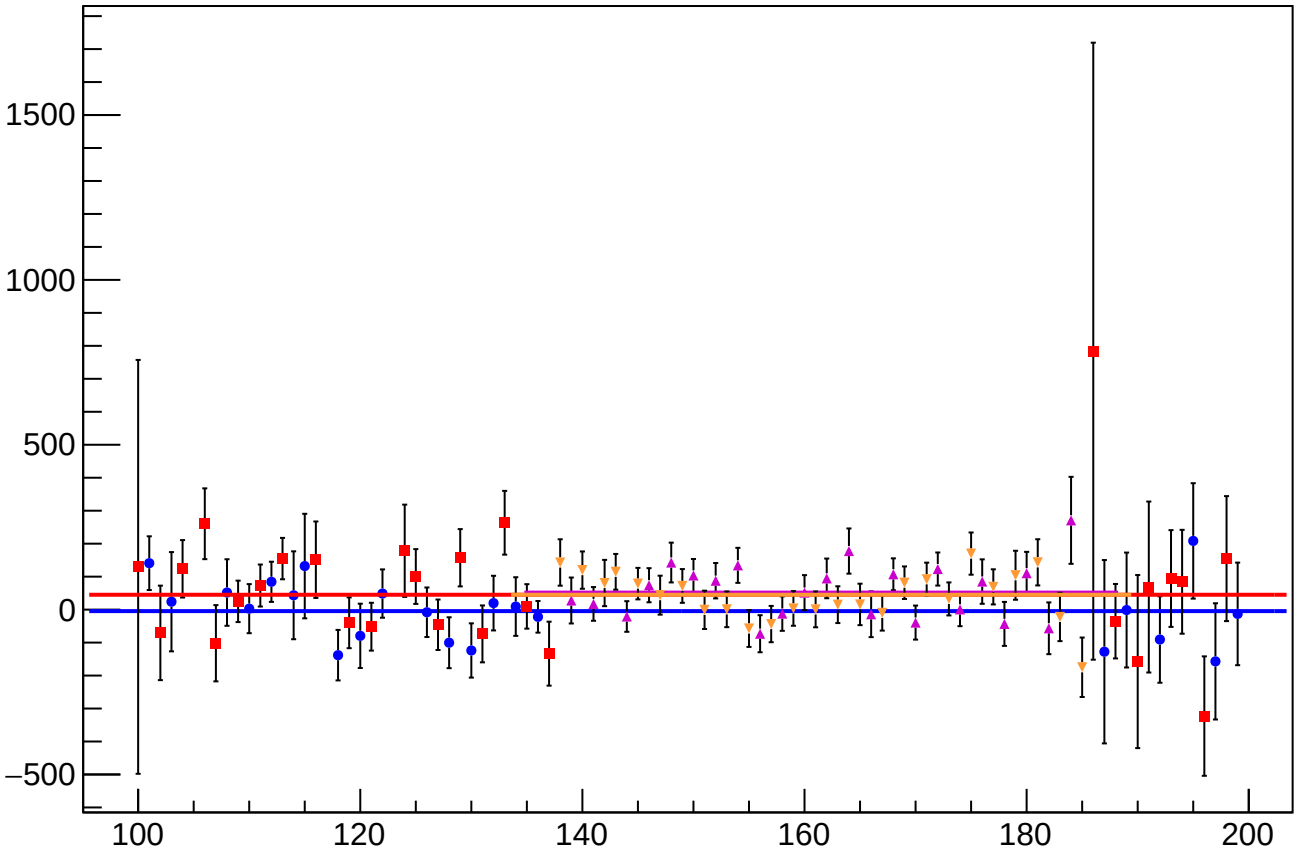
In: 16.900+/-0.002 χ^2/NDF:10164098.2/44

Out: 17.052+/-0.002 χ^2/NDF:11791860.9/51

All: 16.978+/-0.002 χ^2/NDF: 21957861.5/96


asym_sam_37_26_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
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: 16.6/21
Left Out: -0.000+/-0.000 χ²/NDF:21.4/24
Right Out: -0.000+/-0.000 χ²/NDF: 20.2/26
Left In: 0.000+/-0.000 χ²/NDF:39.5/22
Left: 0.000+/-0.000 χ²/NDF: 62.7/47
Right: -0.000+/-0.000 χ²/NDF: 37.5/48
In: 0.000+/-0.000 χ²/NDF:56.2/44
Out: -0.000+/-0.000 χ²/NDF:42.1/51
All: 0.000+/-0.000 χ²/NDF: 100.5/96


asym_sam_37_26_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 5731612.5/21
Left Out: 0.000+/-0.000 χ²/NDF:2645485.0/24
Right Out: 0.000+/-0.000 χ²/NDF: 6346900.9/26
Left In: 0.000+/-0.000 χ²/NDF:1948585.8/22
Left: 0.000+/-0.000 χ²/NDF: 4661169.2/47
Right: 0.000+/-0.000 χ²/NDF: 12192547.3/48
In: 0.000+/-0.000 χ²/NDF:9805528.3/44
Out: 0.000+/-0.000 χ²/NDF:12496737.1/51
All: 0.000+/-0.000 χ²/NDF: 22374377.2/96



Right In: -4.534+/-19.204 χ^2/NDF: 17.5/21

Left Out: 45.093+/-11.495 χ^2/NDF:31.3/24

Right Out: 45.064+/-18.727 χ^2/NDF: 35.8/26

Left In: 51.616+/-11.929 χ^2/NDF:35.9/22

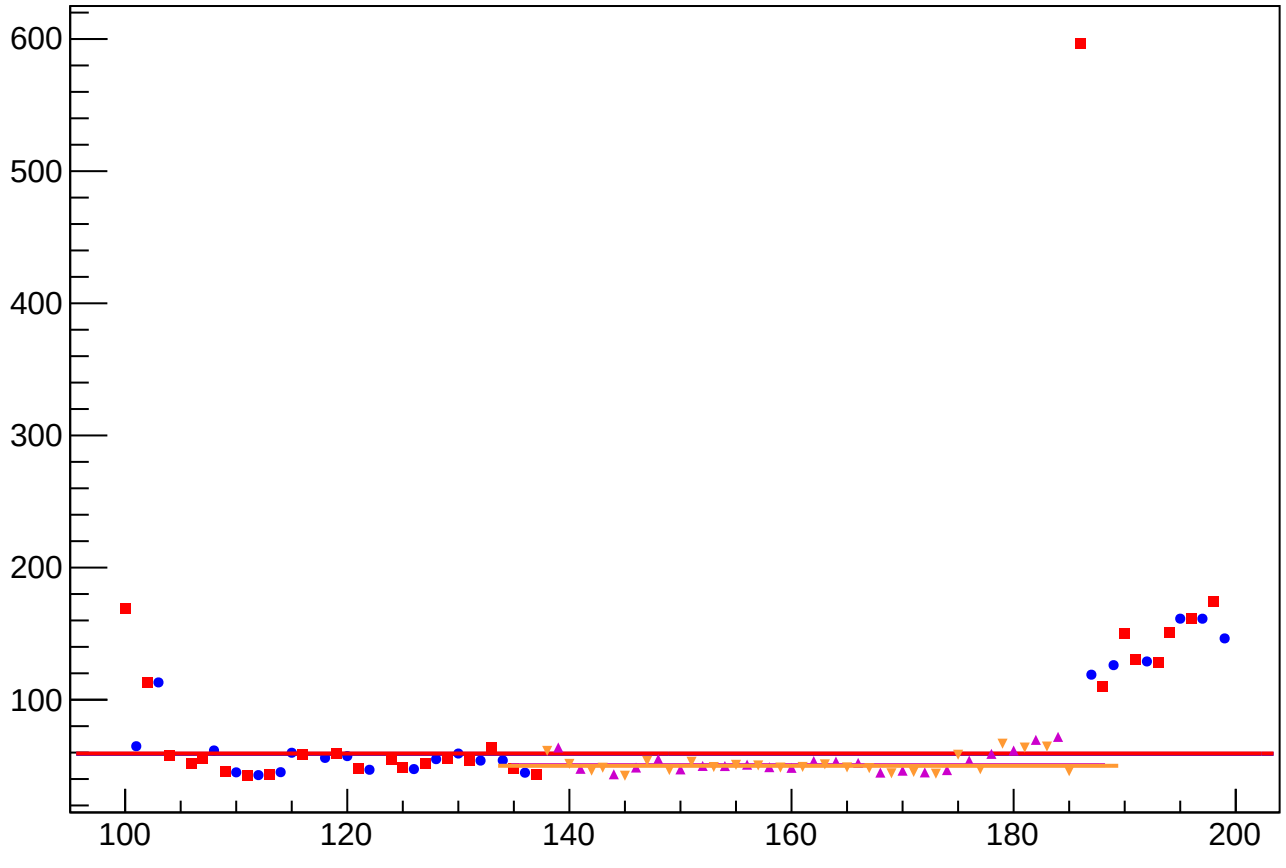
Left: 48.233+/-8.277 χ^2/NDF: 67.4/47

Right: 20.889+/-13.407 χ^2/NDF: 56.7/48

In: 35.983+/-10.133 χ^2/NDF:59.5/44

Out: 45.085+/-9.796 χ^2/NDF:67.1/51

All: 40.688+/-7.043 χ^2/NDF: 127.0/96



Right In: 59.044+/-0.014 χ^2/NDF: 3748768.8/21

Left Out: 50.021+/-0.008 χ^2/NDF:509100.0/24

Right Out: 59.312+/-0.013 χ^2/NDF: 4890537.0/26

Left In: 50.512+/-0.008 χ^2/NDF:503409.2/22

Left: 50.258+/-0.006 χ^2/NDF: 1014266.6/47

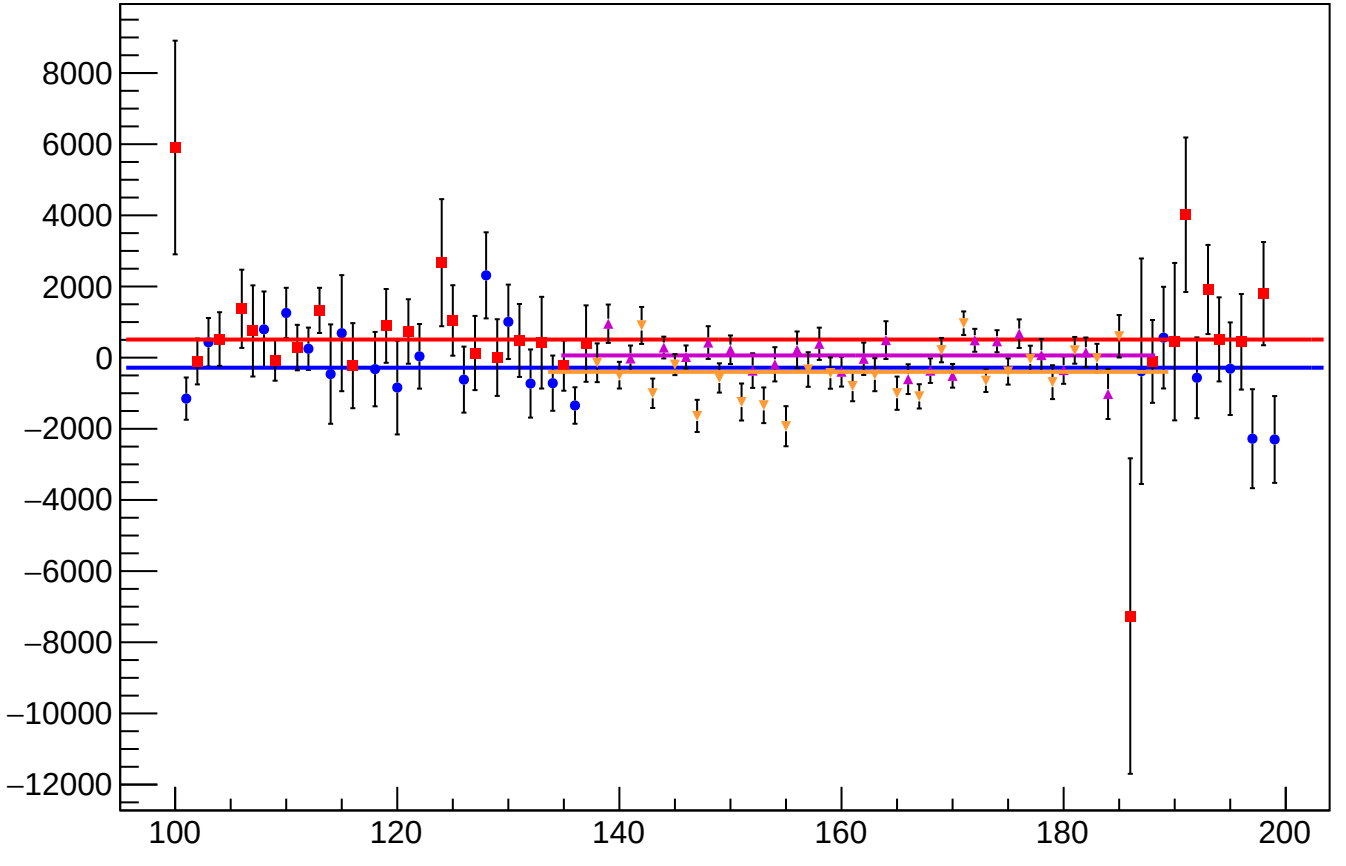
Right: 59.181+/-0.009 χ^2/NDF: 8639506.1/48

In: 52.887+/-0.007 χ^2/NDF:4537015.9/44

Out: 52.564+/-0.007 χ^2/NDF:5757221.7/51

All: 52.720+/-0.005 χ^2/NDF: 10295293.5/96

asym_sam_1357_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -282.571+/-193.341 χ^2/NDF: 26.8/21

Left Out: -399.363+/-82.064 χ^2/NDF:65.4/24

Right Out: 509.036+/-190.226 χ^2/NDF: 19.4/26

Left In: 62.038+/-83.892 χ^2/NDF:23.9/22

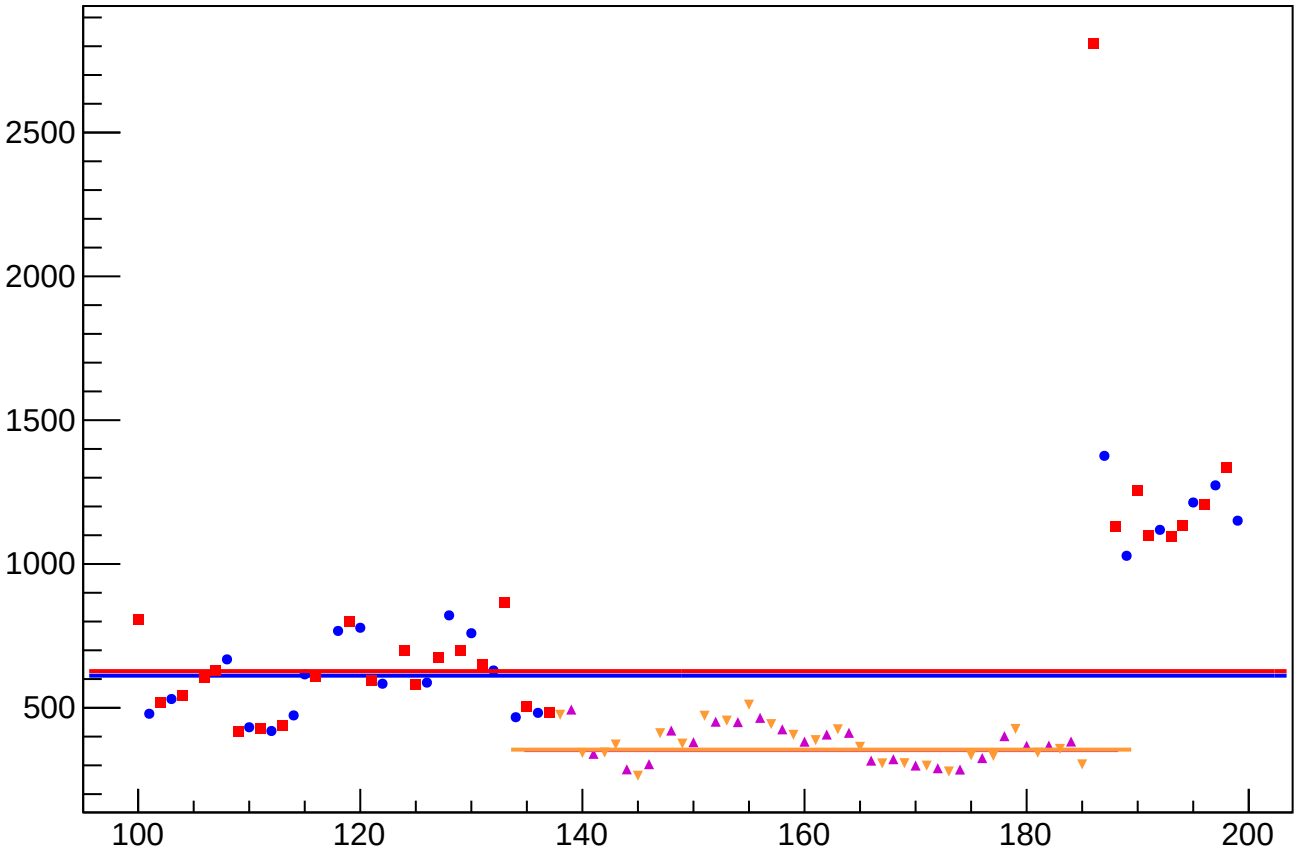
Left: -173.746+/-58.664 χ^2/NDF: 104.8/47

Right: 119.661+/-135.598 χ^2/NDF: 54.7/48

In: 7.437+/-76.960 χ^2/NDF:53.4/44

Out: -256.831+/-75.351 χ^2/NDF:104.0/51

All: -127.488+/-53.841 χ^2/NDF: 163.4/96



Right In: 611.848+/-0.137 χ^2/NDF: 2823320.1/21

Left Out: 354.670+/-0.058 χ^2/NDF:1145465.6/24

Right Out: 627.685+/-0.135 χ^2/NDF: 3592823.5/26

Left In: 353.110+/-0.059 χ^2/NDF:1004127.0/22

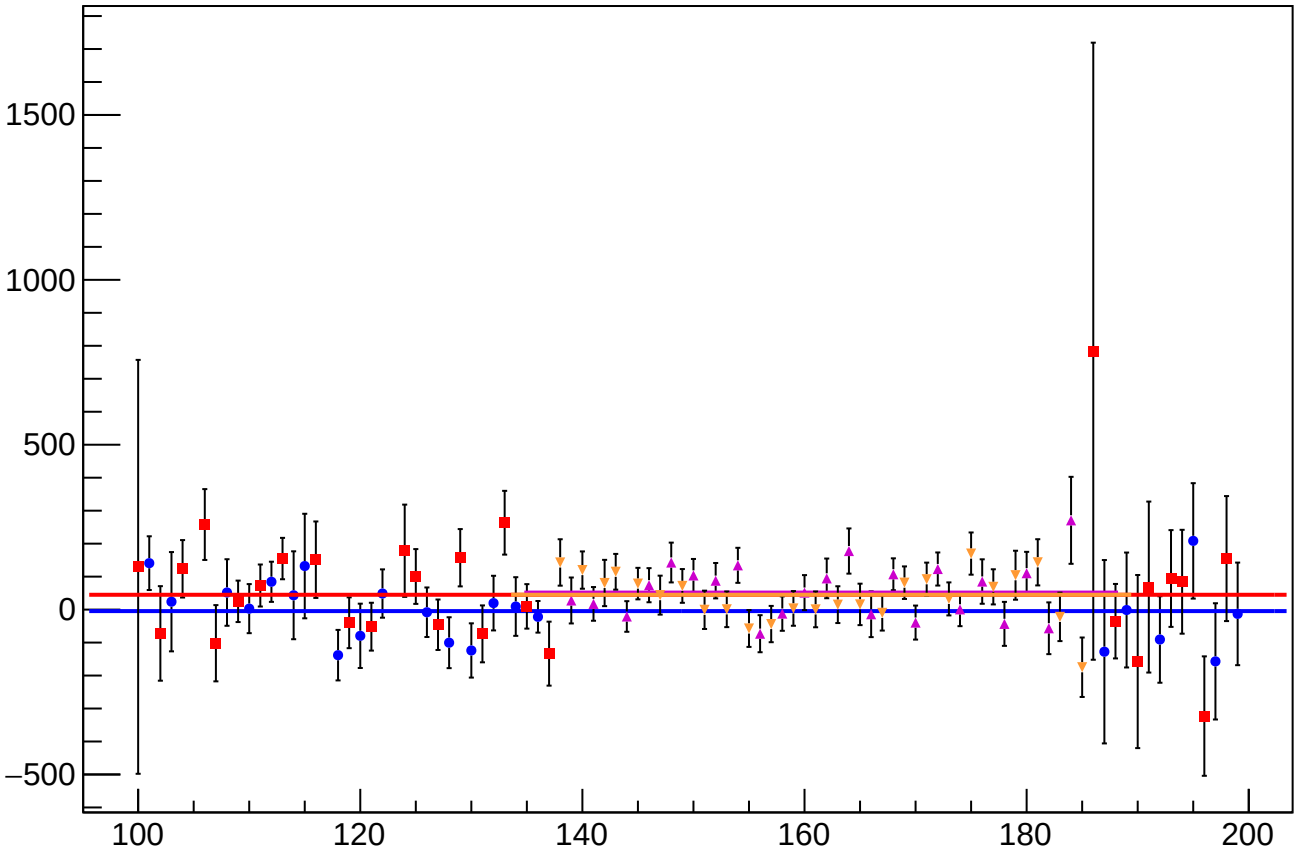
Left: 353.907+/-0.041 χ^2/NDF: 2149946.0/47

Right: 619.895+/-0.096 χ^2/NDF: 6422962.7/48

In: 394.106+/-0.054 χ^2/NDF:6841726.7/44

Out: 397.507+/-0.053 χ^2/NDF:8211569.7/51

All: 395.842+/-0.038 χ^2/NDF: 15055291.5/96



Right In: -4.538+/-19.204 χ^2/NDF: 17.5/21

Left Out: 45.096+/-11.495 χ^2/NDF:31.3/24

Right Out: 44.957+/-18.727 χ^2/NDF: 35.7/26

Left In: 51.616+/-11.929 χ^2/NDF:35.8/22

Left: 48.235+/-8.277 χ^2/NDF: 67.3/47

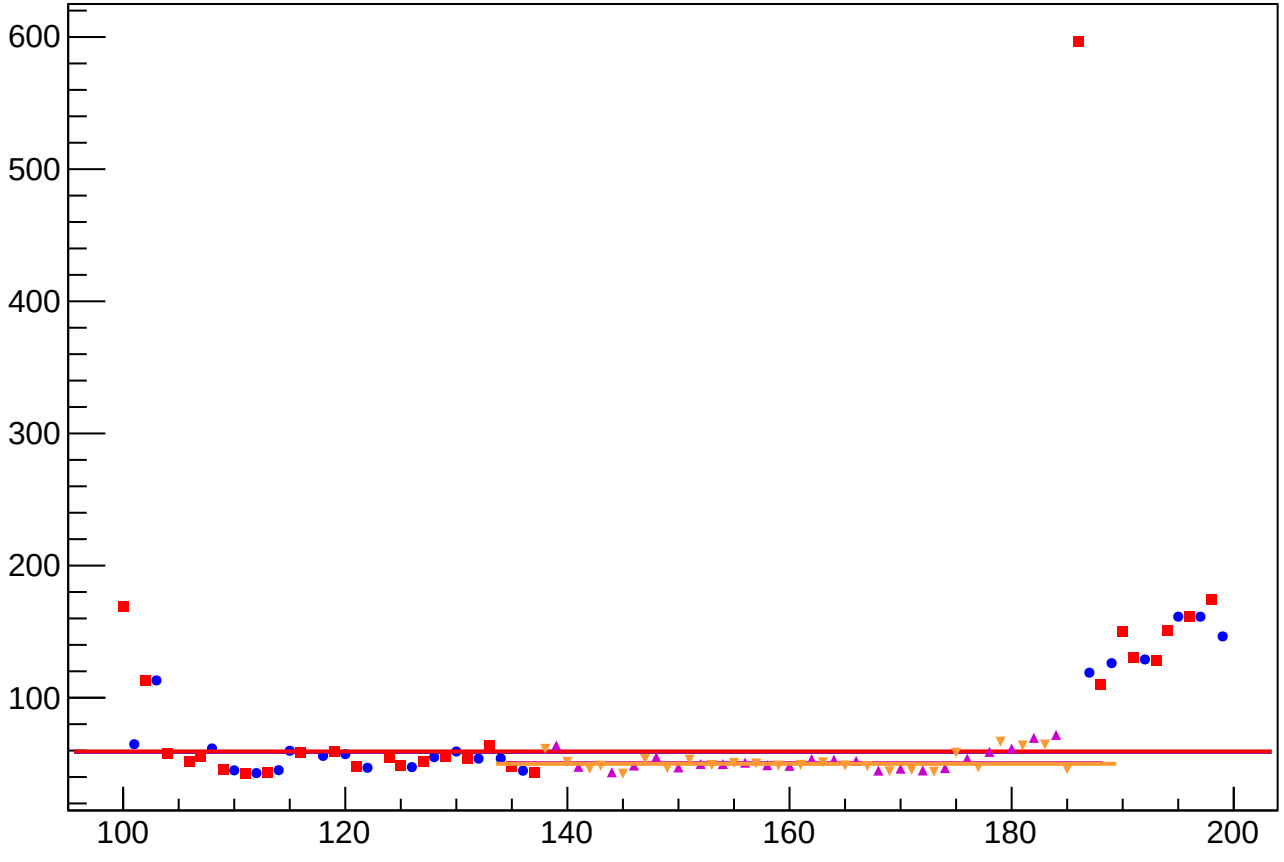
Right: 20.831+/-13.408 χ^2/NDF: 56.6/48

In: 35.982+/-10.133 χ^2/NDF:59.5/44

Out: 45.058+/-9.796 χ^2/NDF:67.0/51

All: 40.673+/-7.043 χ^2/NDF: 126.9/96

cor_asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 59.044+/-0.014 χ^2/NDF: 3748771.1/21

Left Out: 50.021+/-0.008 χ^2/NDF:509100.0/24

Right Out: 59.303+/-0.013 χ^2/NDF: 4891571.6/26

Left In: 50.512+/-0.008 χ^2/NDF:503409.2/22

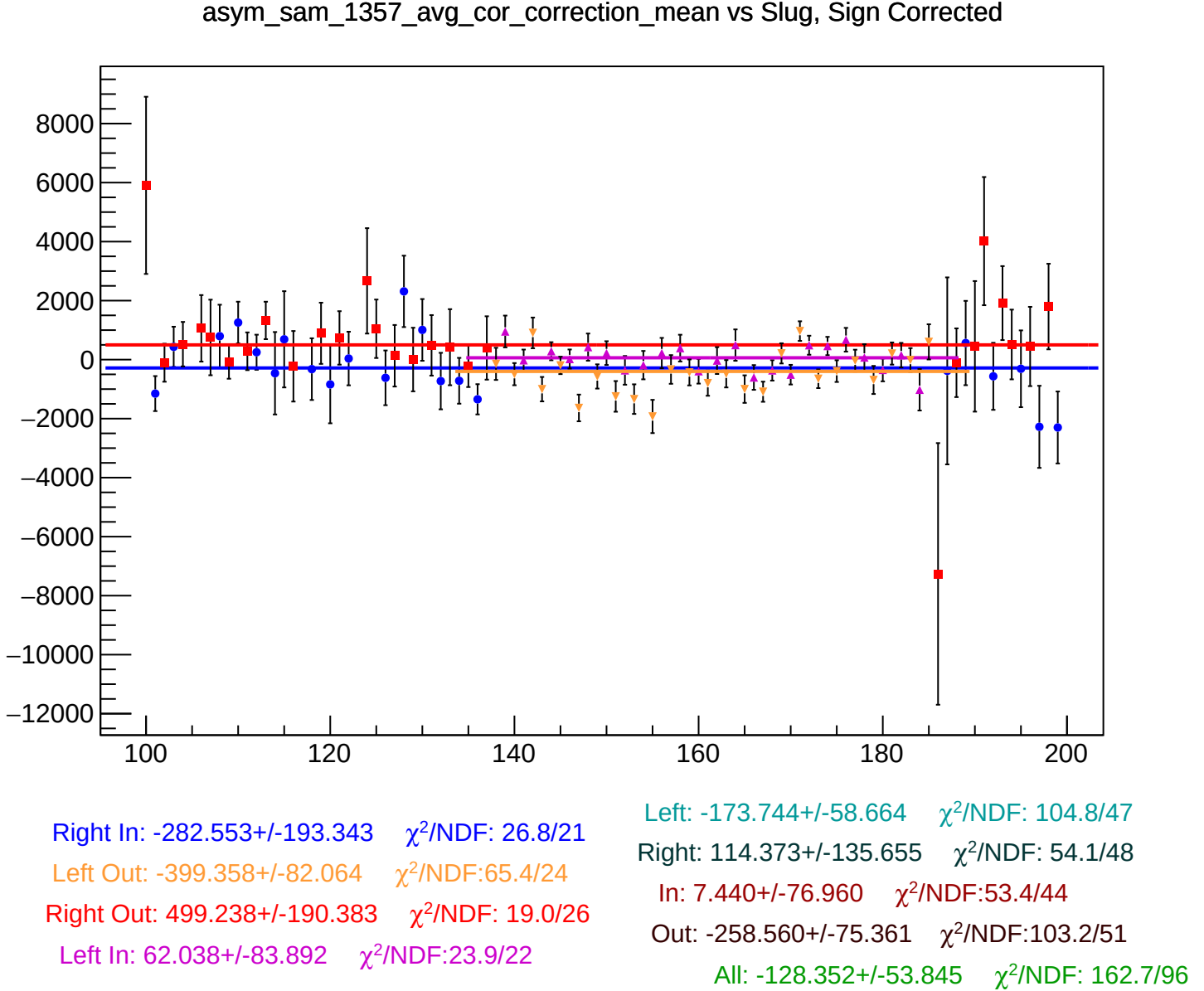
Left: 50.258+/-0.006 χ^2/NDF: 1014266.6/47

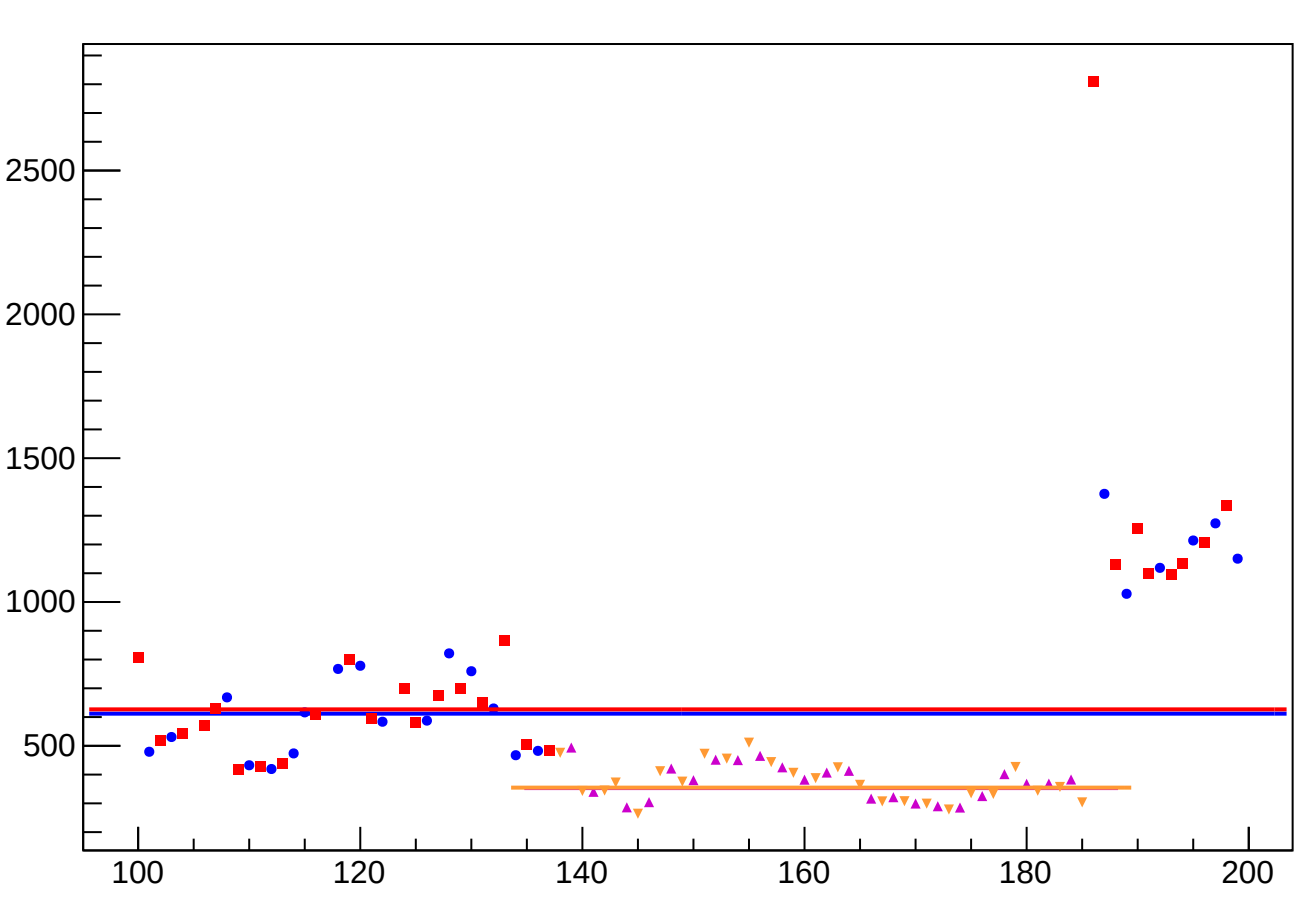
Right: 59.177+/-0.009 χ^2/NDF: 8640529.8/48

In: 52.887+/-0.007 χ^2/NDF:4537018.2/44

Out: 52.561+/-0.007 χ^2/NDF:5757550.2/51

All: 52.719+/-0.005 χ^2/NDF: 10295641.0/96


asym_sam_1357_avg_cor_correction_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
100
120
140
160
180
200
Right In: -282.553+/-193.343 χ²/NDF: 26.8/21
Left Out: -399.358+/-82.064 χ²/NDF:65.4/24
Right Out: 499.238+/-190.383 χ²/NDF: 19.0/26
Left In: 62.038+/-83.892 χ²/NDF:23.9/22
Left: -173.744+/-58.664 χ²/NDF: 104.8/47
Right: 114.373+/-135.655 χ²/NDF: 54.1/48
In: 7.440+/-76.960 χ²/NDF:53.4/44
Out: -258.560+/-75.361 χ²/NDF:103.2/51
All: -128.352+/-53.845 χ²/NDF: 162.7/96



Right In: 611.854+/-0.137 χ^2/NDF: 2823274.1/21

Left Out: 354.670+/-0.058 χ^2/NDF:1145468.3/24

Right Out: 626.766+/-0.135 χ^2/NDF: 3596504.7/26

Left In: 353.110+/-0.059 χ^2/NDF:1004126.9/22

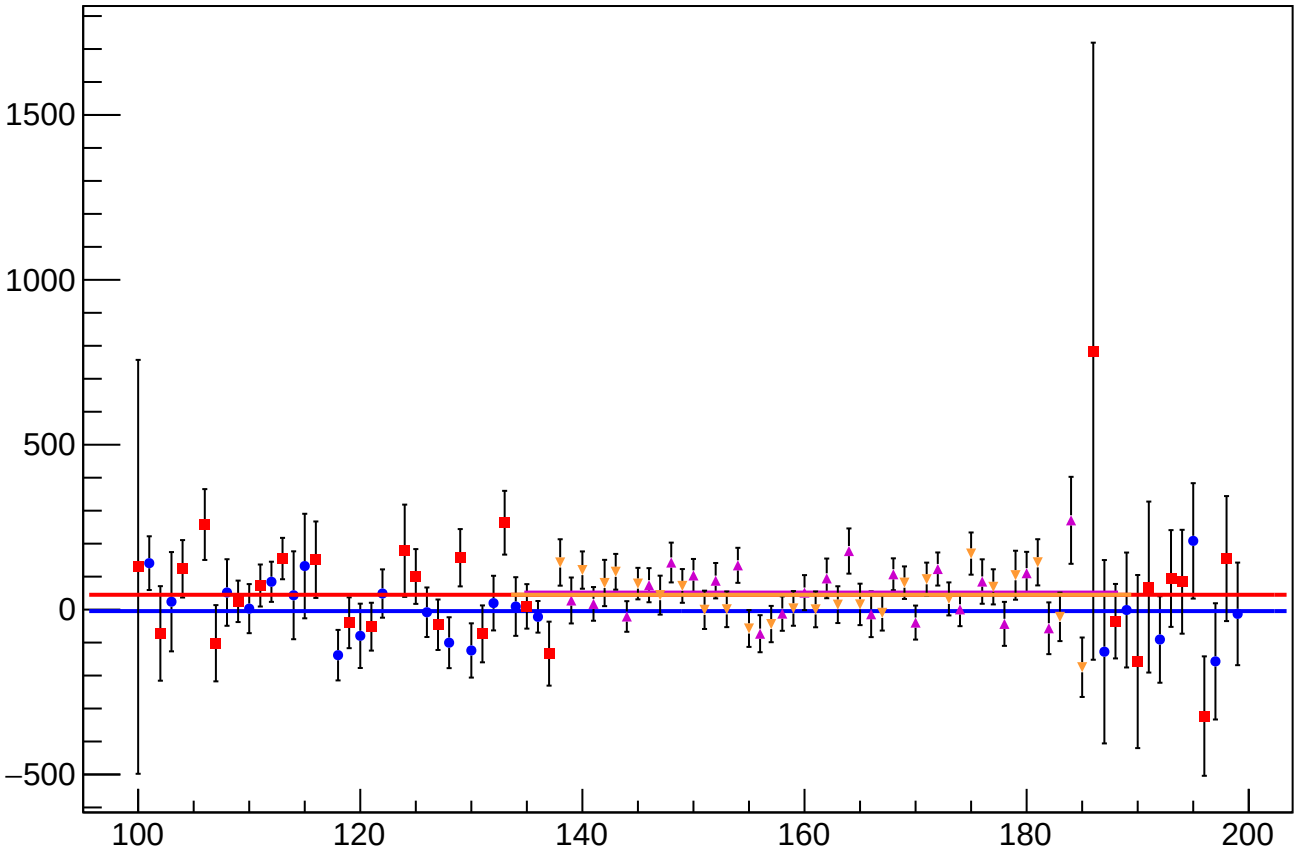
Left: 353.907+/-0.041 χ^2/NDF: 2149948.5/47

Right: 619.425+/-0.096 χ^2/NDF: 6425819.6/48

In: 394.106+/-0.054 χ^2/NDF:6841775.5/44

Out: 397.304+/-0.053 χ^2/NDF:8187124.7/51

All: 395.738+/-0.038 χ^2/NDF: 15030663.0/96



Right In: -4.538+/-19.204 χ^2/NDF: 17.5/21

Left Out: 45.096+/-11.495 χ^2/NDF:31.3/24

Right Out: 44.957+/-18.727 χ^2/NDF: 35.7/26

Left In: 51.616+/-11.929 χ^2/NDF:35.8/22

Left: 48.235+/-8.277 χ^2/NDF: 67.3/47

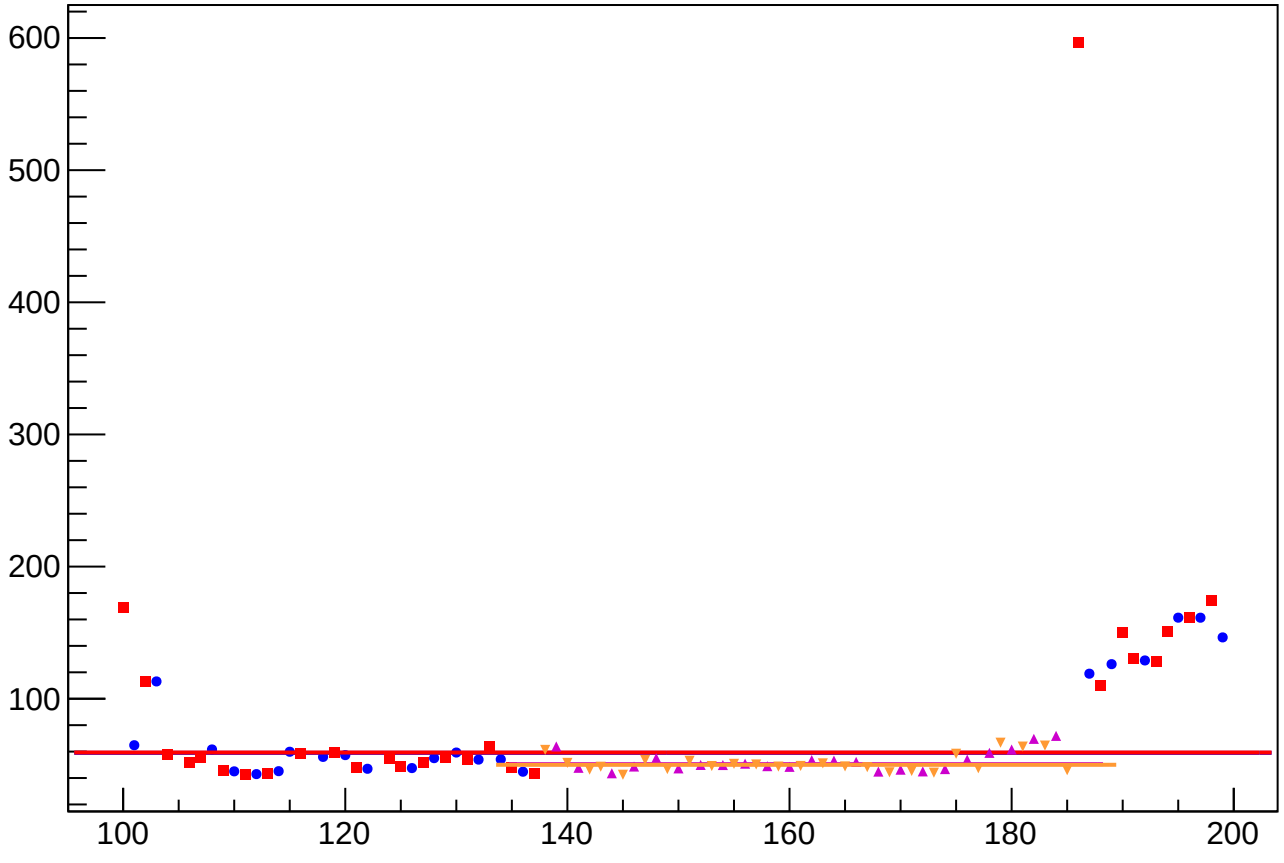
Right: 20.831+/-13.408 χ^2/NDF: 56.6/48

In: 35.982+/-10.133 χ^2/NDF:59.5/44

Out: 45.058+/-9.796 χ^2/NDF:67.0/51

All: 40.673+/-7.043 χ^2/NDF: 126.9/96

eigen_cor_asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 59.044+/-0.014 χ^2/NDF: 3748771.1/21

Left Out: 50.021+/-0.008 χ^2/NDF:509100.0/24

Right Out: 59.303+/-0.013 χ^2/NDF: 4891571.6/26

Left In: 50.512+/-0.008 χ^2/NDF:503409.2/22

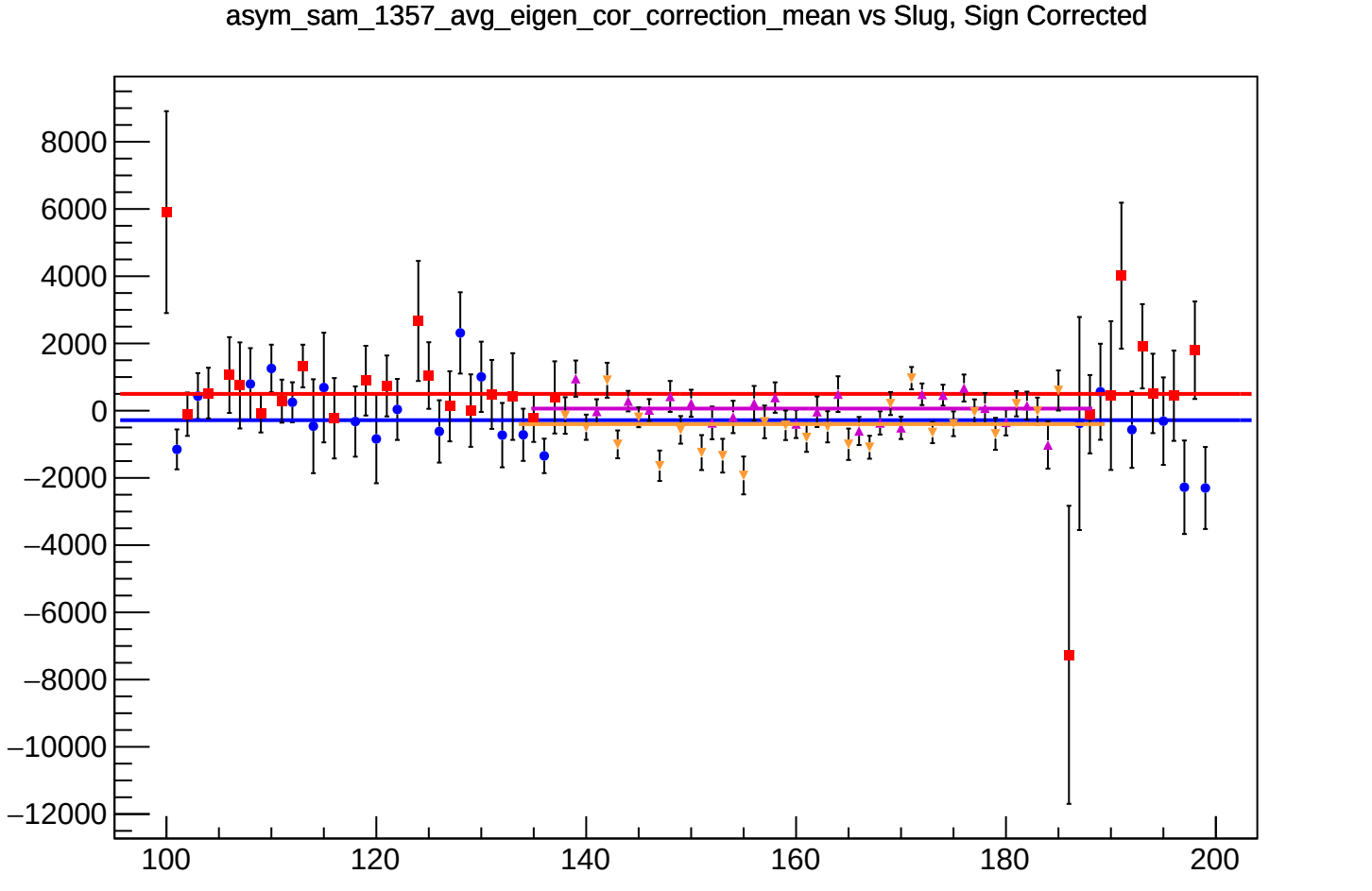
Left: 50.258+/-0.006 χ^2/NDF: 1014266.6/47

Right: 59.177+/-0.009 χ^2/NDF: 8640529.8/48

In: 52.887+/-0.007 χ^2/NDF:4537018.2/44

Out: 52.561+/-0.007 χ^2/NDF:5757550.2/51

All: 52.719+/-0.005 χ^2/NDF: 10295641.0/96



Right In: -282.553+/-193.343 χ^2/NDF: 26.8/21

Left Out: -399.358+/-82.064 χ^2/NDF:65.4/24

Right Out: 499.238+/-190.383 χ^2/NDF: 19.0/26

Left In: 62.038+/-83.892 χ^2/NDF:23.9/22

Left: -173.744+/-58.664 χ^2/NDF: 104.8/47

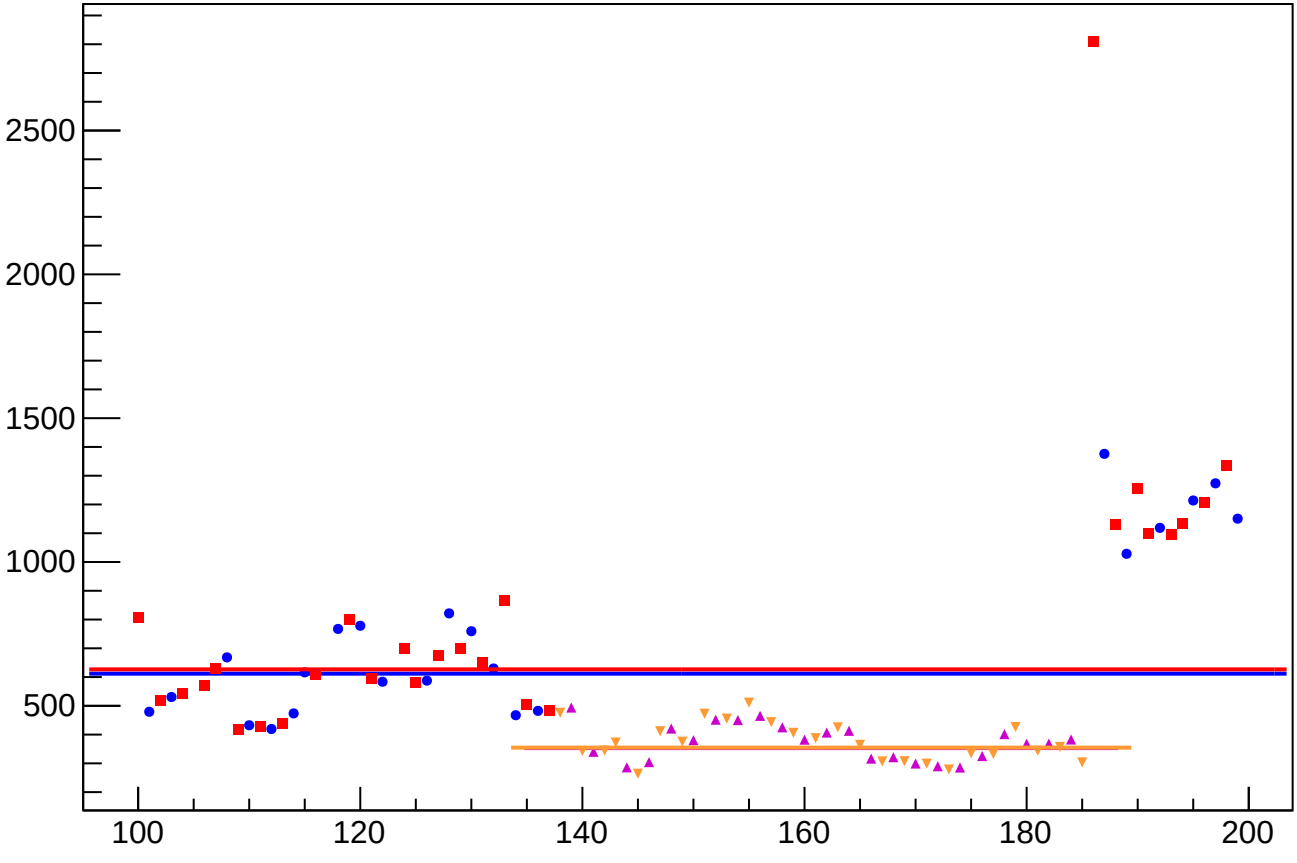
Right: 114.373+/-135.655 χ^2/NDF: 54.1/48

In: 7.440+/-76.960 χ^2/NDF:53.4/44

Out: -258.560+/-75.361 χ^2/NDF:103.2/51

All: -128.352+/-53.845 χ^2/NDF: 162.7/96

asym_sam_1357_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 611.854+/-0.137 χ^2/NDF: 2823274.1/21

Left Out: 354.670+/-0.058 χ^2/NDF:1145468.3/24

Right Out: 626.766+/-0.135 χ^2/NDF: 3596504.7/26

Left In: 353.110+/-0.059 χ^2/NDF:1004126.9/22

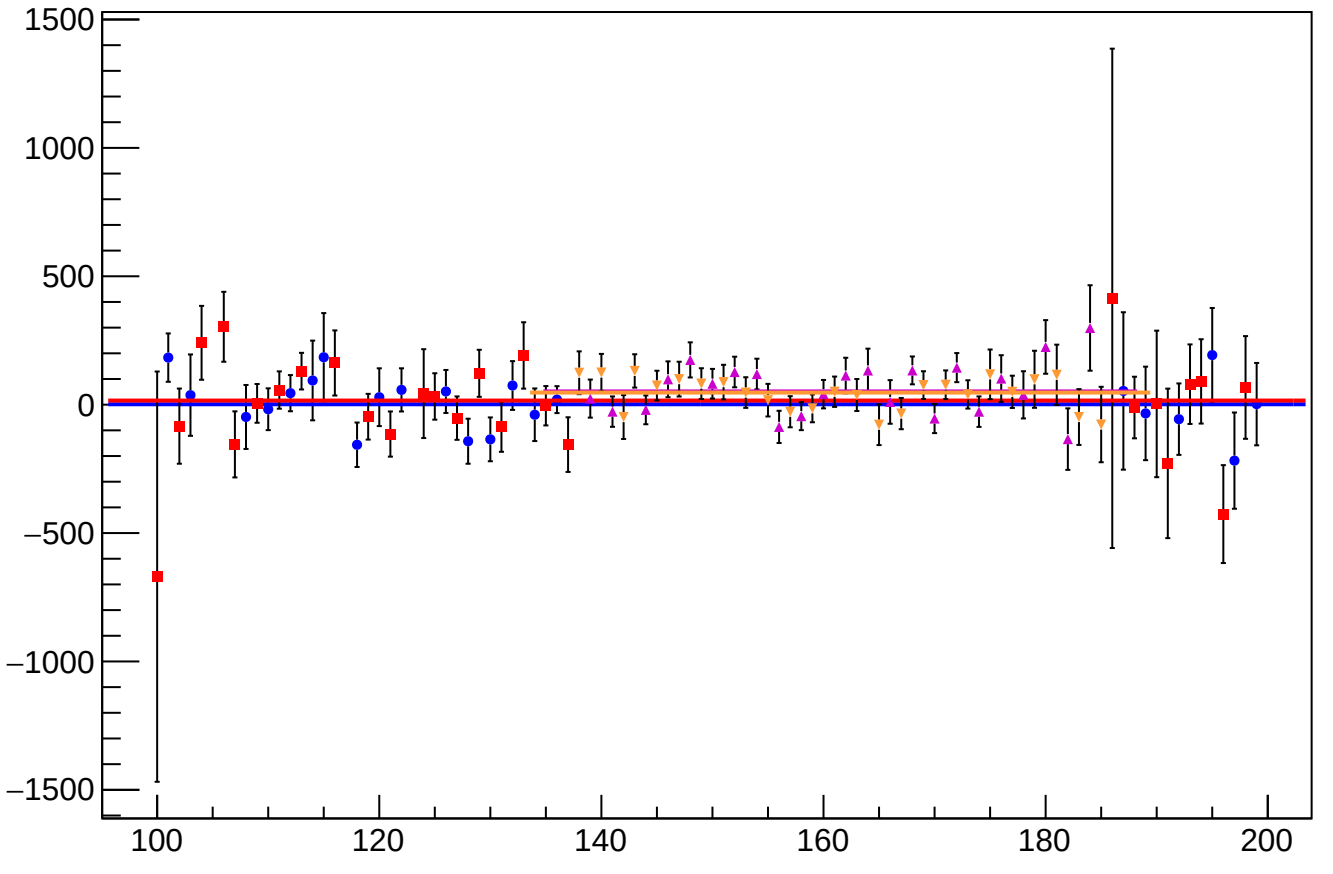
Left: 353.907+/-0.041 χ^2/NDF: 2149948.5/47

Right: 619.425+/-0.096 χ^2/NDF: 6425819.6/48

In: 394.106+/-0.054 χ^2/NDF:6841775.5/44

Out: 397.304+/-0.053 χ^2/NDF:8187124.7/51

All: 395.738+/-0.038 χ^2/NDF: 15030663.0/96



Right In: 1.552+/-21.475 χ^2/NDF: 18.9/21

Left Out: 47.151+/-13.511 χ^2/NDF:17.0/24

Right Out: 16.072+/-21.542 χ^2/NDF: 31.2/26

Left In: 51.652+/-13.934 χ^2/NDF:38.2/22

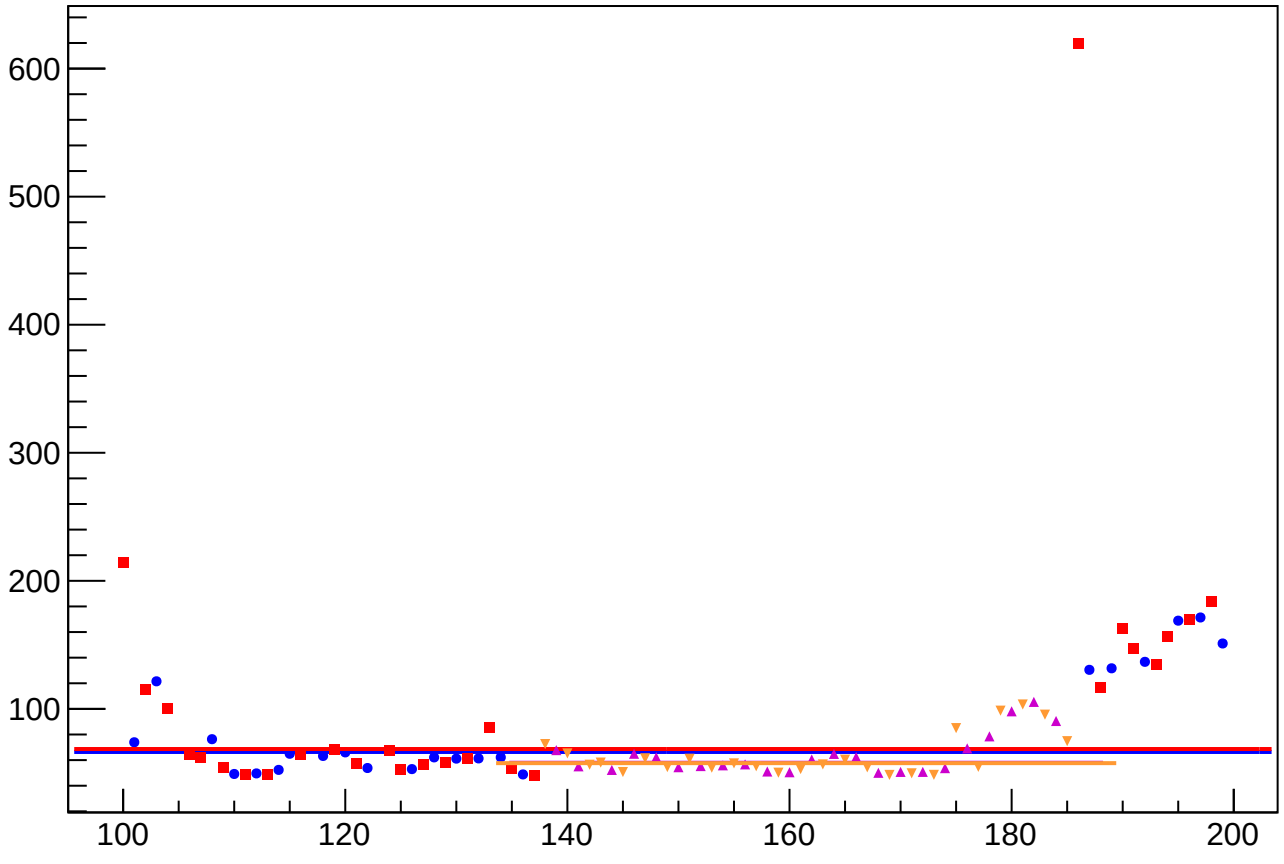
Left: 49.332+/-9.700 χ^2/NDF: 55.2/47

Right: 8.789+/-15.209 χ^2/NDF: 50.3/48

In: 36.809+/-11.689 χ^2/NDF:60.9/44

Out: 38.376+/-11.446 χ^2/NDF:49.7/51

All: 37.609+/-8.178 χ^2/NDF: 110.6/96



Right In: 66.359+/-0.015 χ^2/NDF: 3497538.3/21

Left Out: 57.631+/-0.010 χ^2/NDF:1365448.6/24

Right Out: 68.665+/-0.015 χ^2/NDF: 4606287.0/26

Left In: 57.940+/-0.010 χ^2/NDF:1124523.3/22

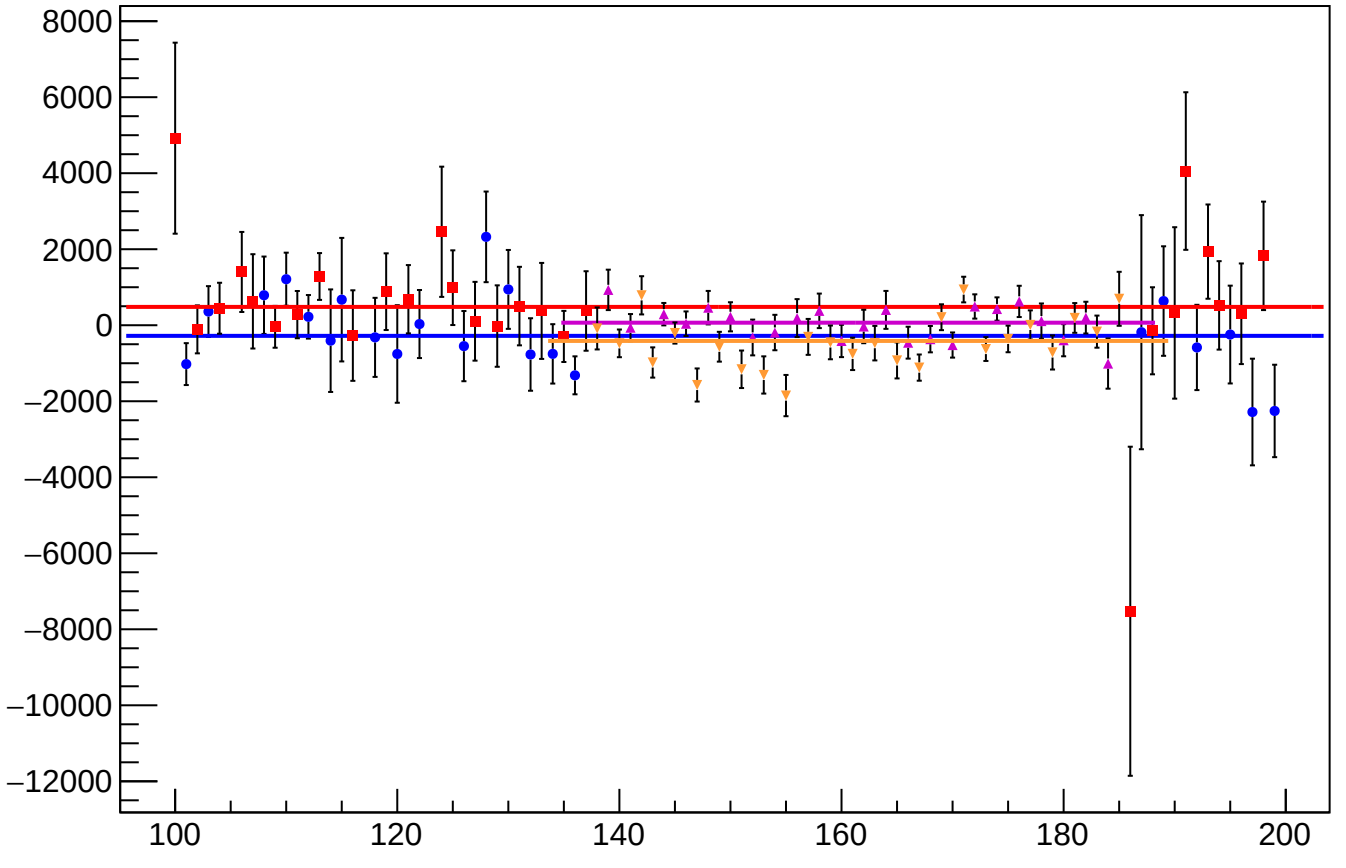
Left: 57.781+/-0.007 χ^2/NDF: 2490479.3/47

Right: 67.508+/-0.011 χ^2/NDF: 8115319.1/48

In: 60.434+/-0.008 χ^2/NDF:4838374.6/44

Out: 60.746+/-0.008 χ^2/NDF:6348306.4/51

All: 60.593+/-0.006 χ^2/NDF: 11187407.7/96



Right In: -279.399+/-188.917 χ^2/NDF: 26.1/21

Left Out: -413.053+/-81.134 χ^2/NDF:61.3/24

Right Out: 482.333+/-184.235 χ^2/NDF: 20.4/26

Left In: 66.637+/-83.082 χ^2/NDF:22.9/22

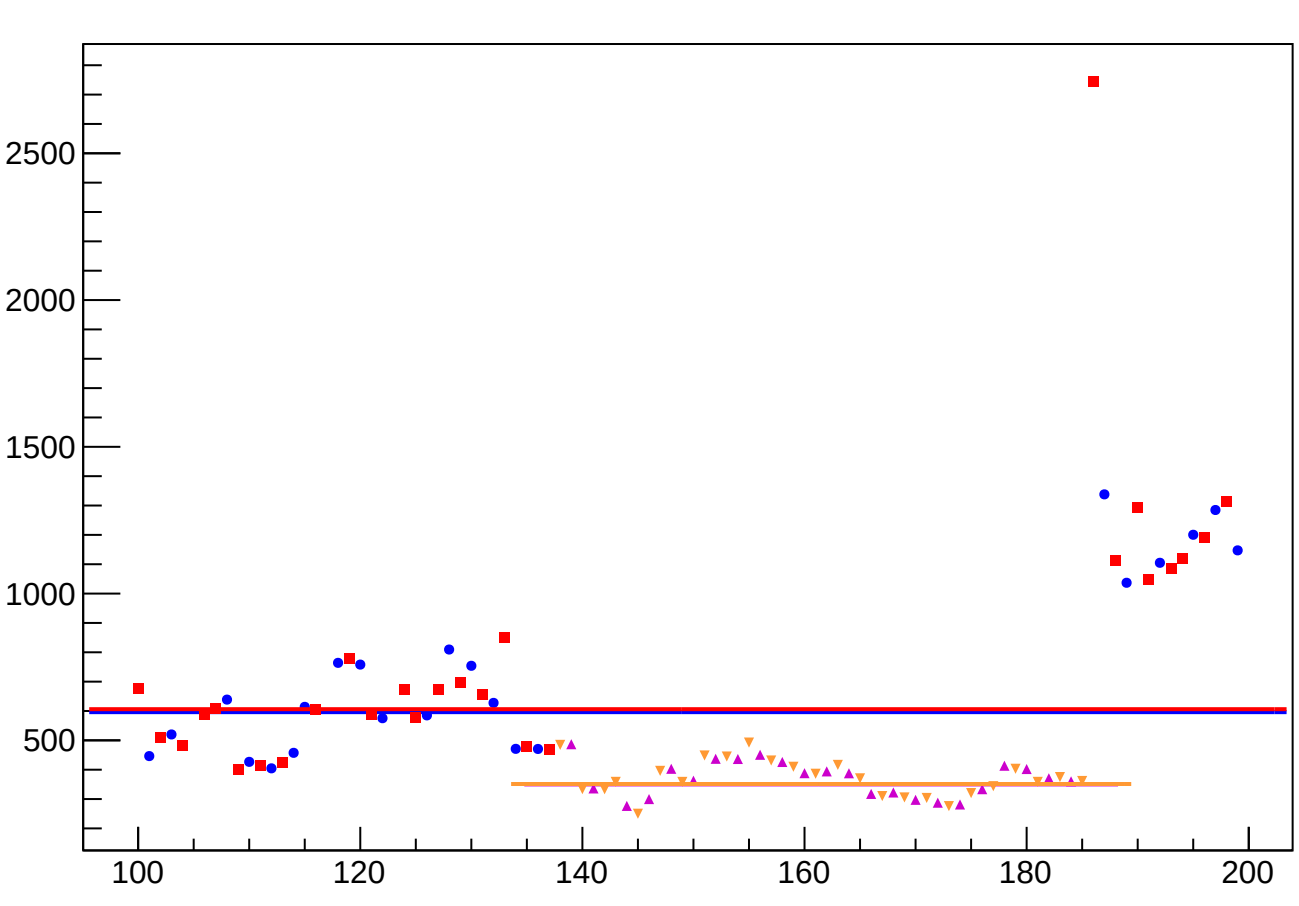
Left: -178.896+/-58.047 χ^2/NDF: 101.3/47

Right: 111.022+/-131.898 χ^2/NDF: 54.8/48

In: 10.558+/-76.052 χ^2/NDF:51.8/44

Out: -267.610+/-74.253 χ^2/NDF:101.5/51

All: -131.856+/-53.129 χ^2/NDF: 160.2/96



Right In: 596.052+/-0.134 χ^2/NDF: 2962826.5/21

Left Out: 351.264+/-0.057 χ^2/NDF:1118247.7/24

Right Out: 606.194+/-0.130 χ^2/NDF: 3756677.2/26

Left In: 349.813+/-0.059 χ^2/NDF:990366.6/22

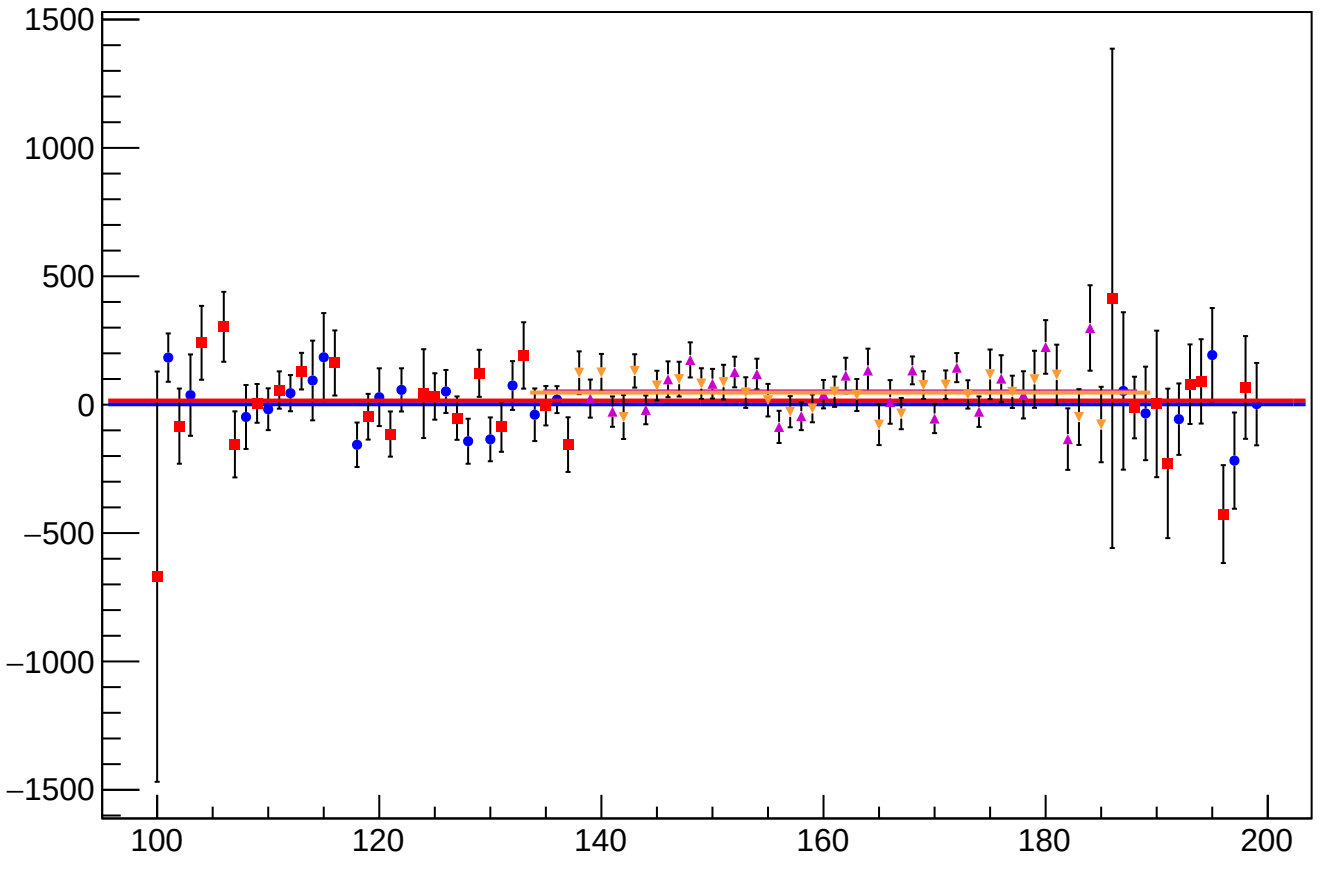
Left: 350.556+/-0.041 χ^2/NDF: 2108926.7/47

Right: 601.251+/-0.093 χ^2/NDF: 6722458.0/48

In: 389.719+/-0.054 χ^2/NDF:6800384.9/44

Out: 392.674+/-0.053 χ^2/NDF:8082274.9/51

All: 391.232+/-0.038 χ^2/NDF: 14884205.6/96



Right In: 1.552+/-21.475 χ^2/NDF: 18.9/21

Left Out: 47.151+/-13.511 χ^2/NDF:17.0/24

Right Out: 16.070+/-21.542 χ^2/NDF: 31.2/26

Left In: 51.651+/-13.934 χ^2/NDF:38.2/22

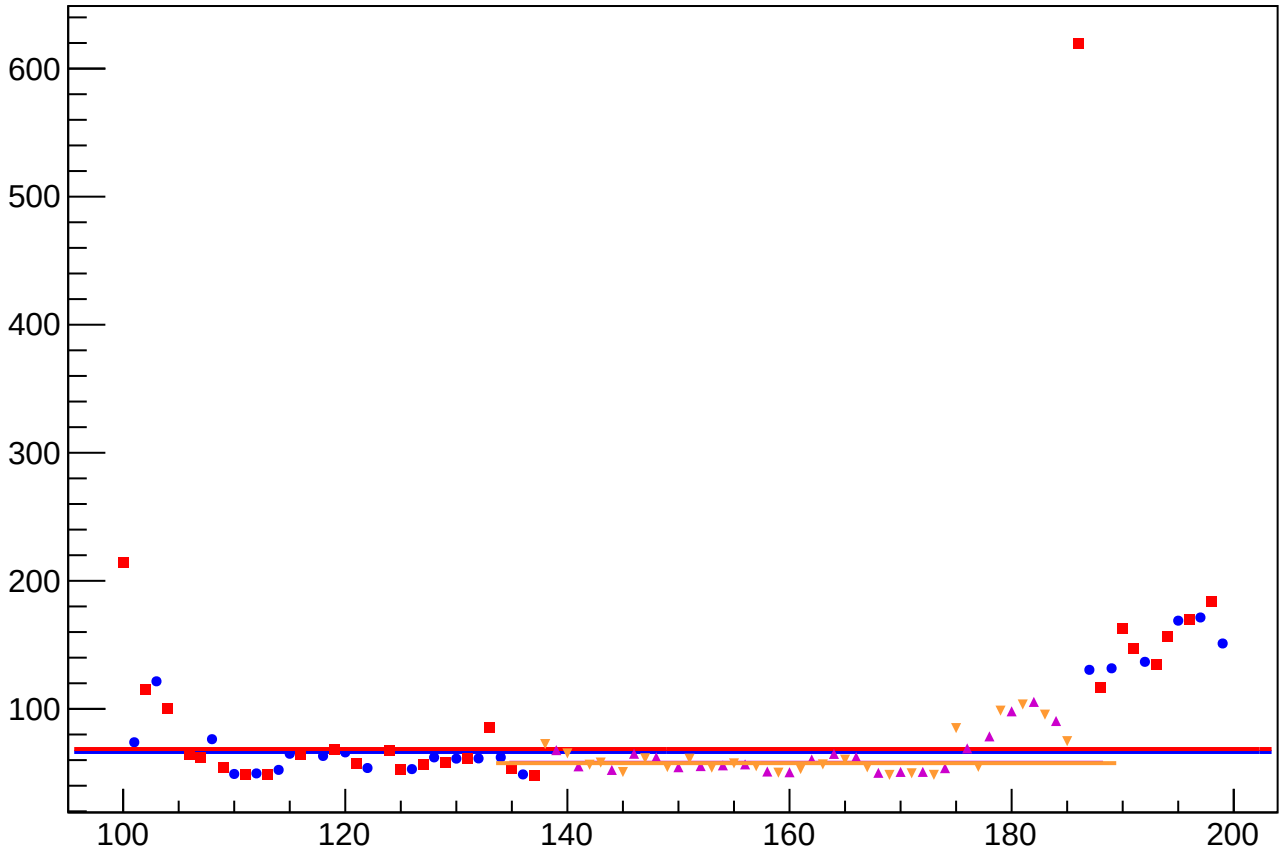
Left: 49.332+/-9.700 χ^2/NDF: 55.2/47

Right: 8.788+/-15.209 χ^2/NDF: 50.3/48

In: 36.809+/-11.689 χ^2/NDF:60.9/44

Out: 38.376+/-11.446 χ^2/NDF:49.7/51

All: 37.609+/-8.178 χ^2/NDF: 110.6/96



Right In: 66.359+/-0.015 χ^2/NDF: 3497525.8/21

Left Out: 57.631+/-0.010 χ^2/NDF:1365443.1/24

Right Out: 68.665+/-0.015 χ^2/NDF: 4606279.7/26

Left In: 57.940+/-0.010 χ^2/NDF:1124509.8/22

Left: 57.781+/-0.007 χ^2/NDF: 2490460.5/47

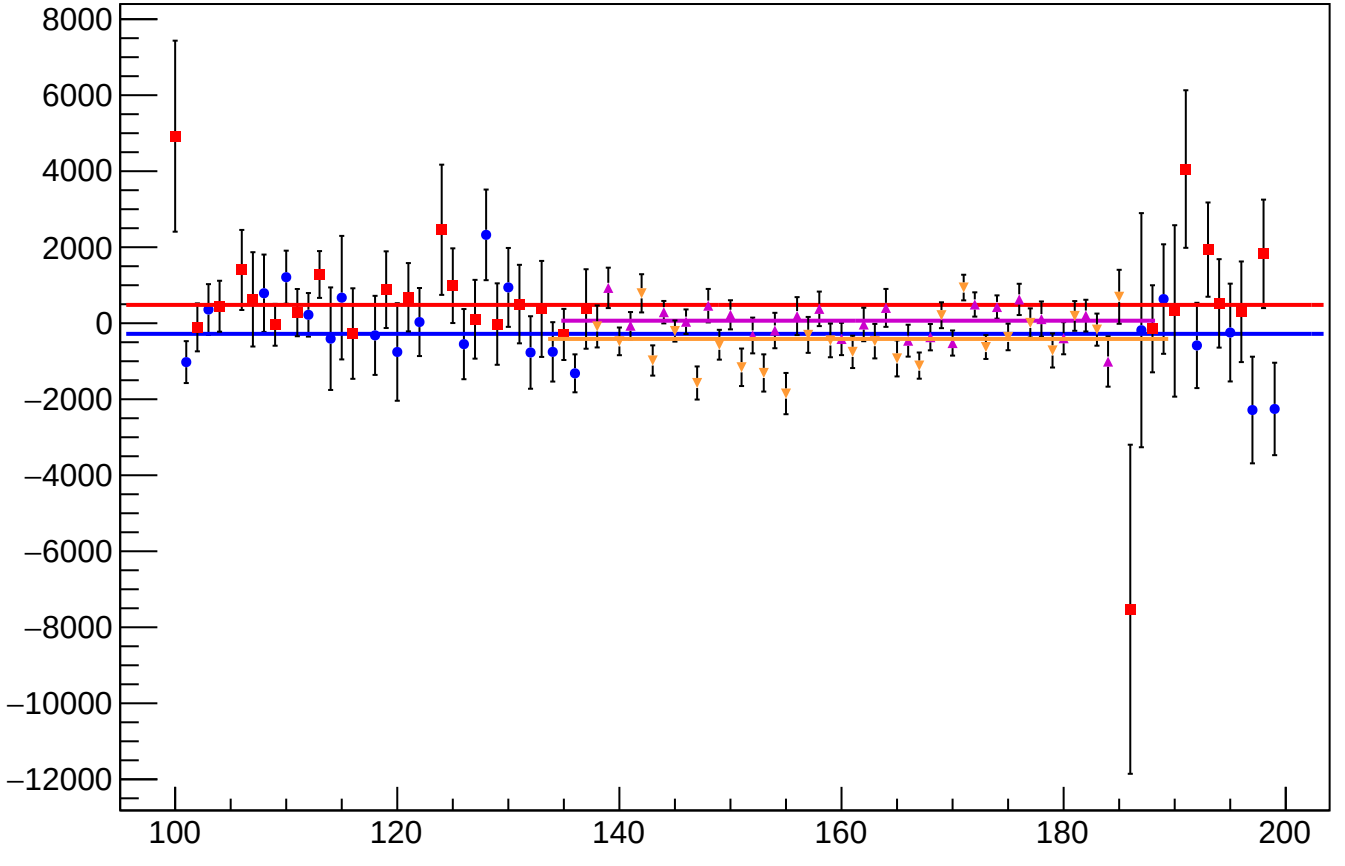
Right: 67.508+/-0.011 χ^2/NDF: 8115299.6/48

In: 60.434+/-0.008 χ^2/NDF:4838347.6/44

Out: 60.746+/-0.008 χ^2/NDF:6348296.2/51

All: 60.594+/-0.006 χ^2/NDF: 11187370.4/96

asym_sam_1357_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -279.399+/-188.916 χ^2/NDF: 26.1/21

Left Out: -413.053+/-81.134 χ^2/NDF:61.3/24

Right Out: 482.332+/-184.235 χ^2/NDF: 20.4/26

Left In: 66.637+/-83.082 χ^2/NDF:22.9/22

Left: -178.896+/-58.047 χ^2/NDF: 101.3/47

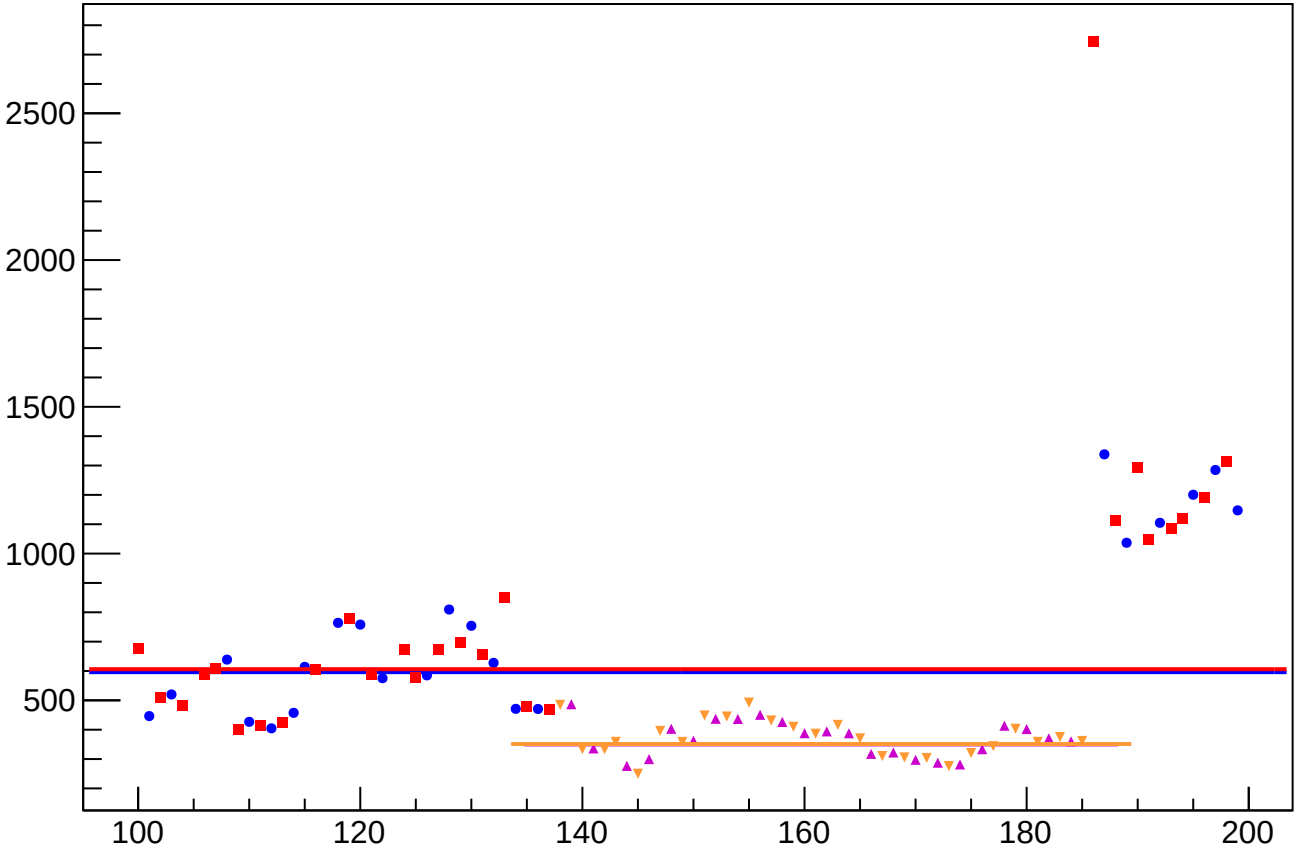
Right: 111.022+/-131.898 χ^2/NDF: 54.8/48

In: 10.557+/-76.052 χ^2/NDF:51.8/44

Out: -267.610+/-74.253 χ^2/NDF:101.5/51

All: -131.856+/-53.129 χ^2/NDF: 160.2/96

asym_sam_1357_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 596.051+/-0.134 χ^2/NDF: 2962832.9/21

Left Out: 351.264+/-0.057 χ^2/NDF:1118243.1/24

Right Out: 606.193+/-0.130 χ^2/NDF: 3756681.3/26

Left In: 349.813+/-0.059 χ^2/NDF:990359.9/22

Left: 350.555+/-0.041 χ^2/NDF: 2108915.4/47

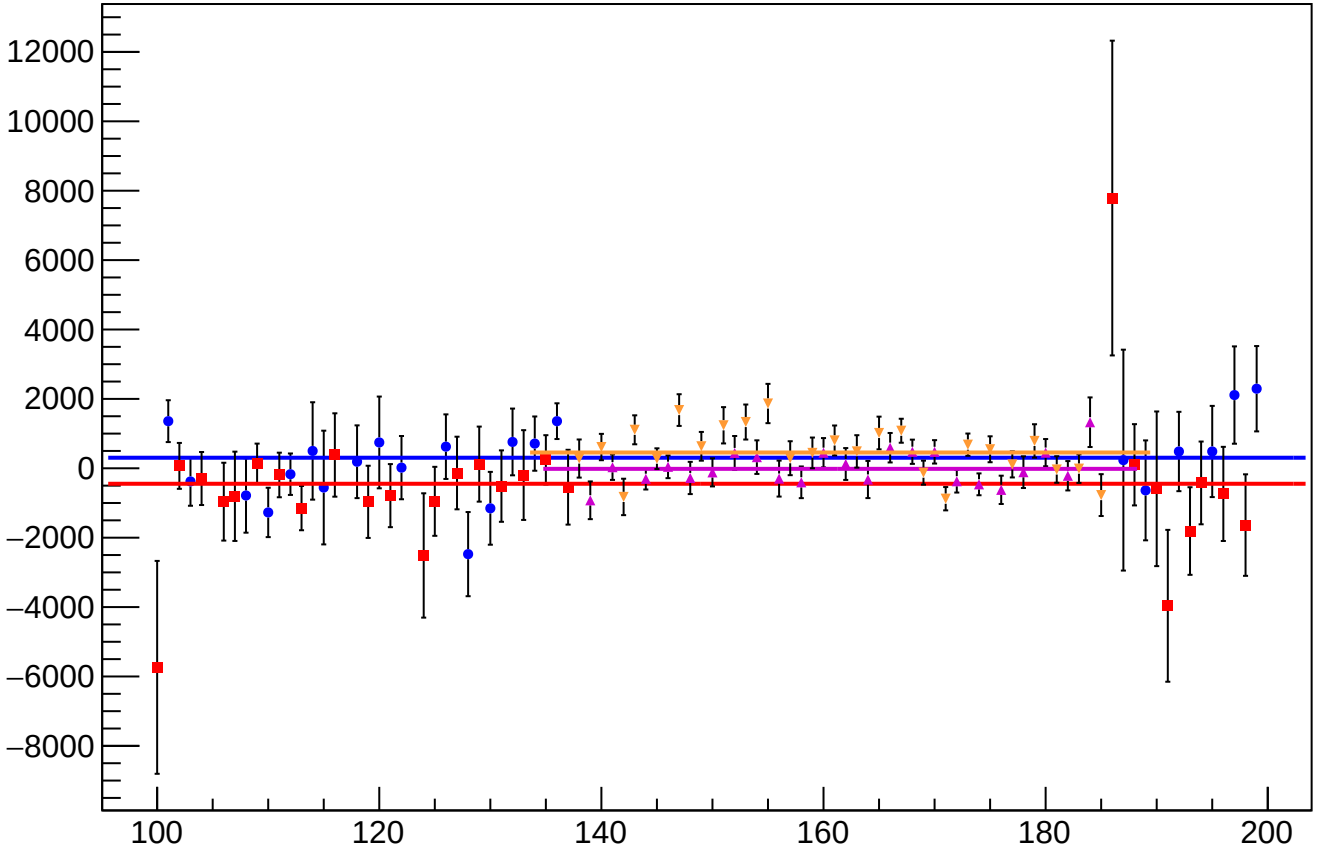
Right: 601.249+/-0.093 χ^2/NDF: 6722468.5/48

In: 389.719+/-0.054 χ^2/NDF:6800370.6/44

Out: 392.674+/-0.053 χ^2/NDF:8082263.5/51

All: 391.232+/-0.038 χ^2/NDF: 14884179.7/96

asym_sam_1357_avg_mean vs Slug, Sign Corrected



Right In: 304.492+/-194.916 χ^2/NDF: 27.8/21

Left Out: 455.234+/-82.961 χ^2/NDF:60.8/24

Right Out: -445.956+/-191.778 χ^2/NDF: 18.1/26

Left In: -16.073+/-84.830 χ^2/NDF:24.9/22

Left: 224.832+/-59.312 χ^2/NDF: 101.5/47

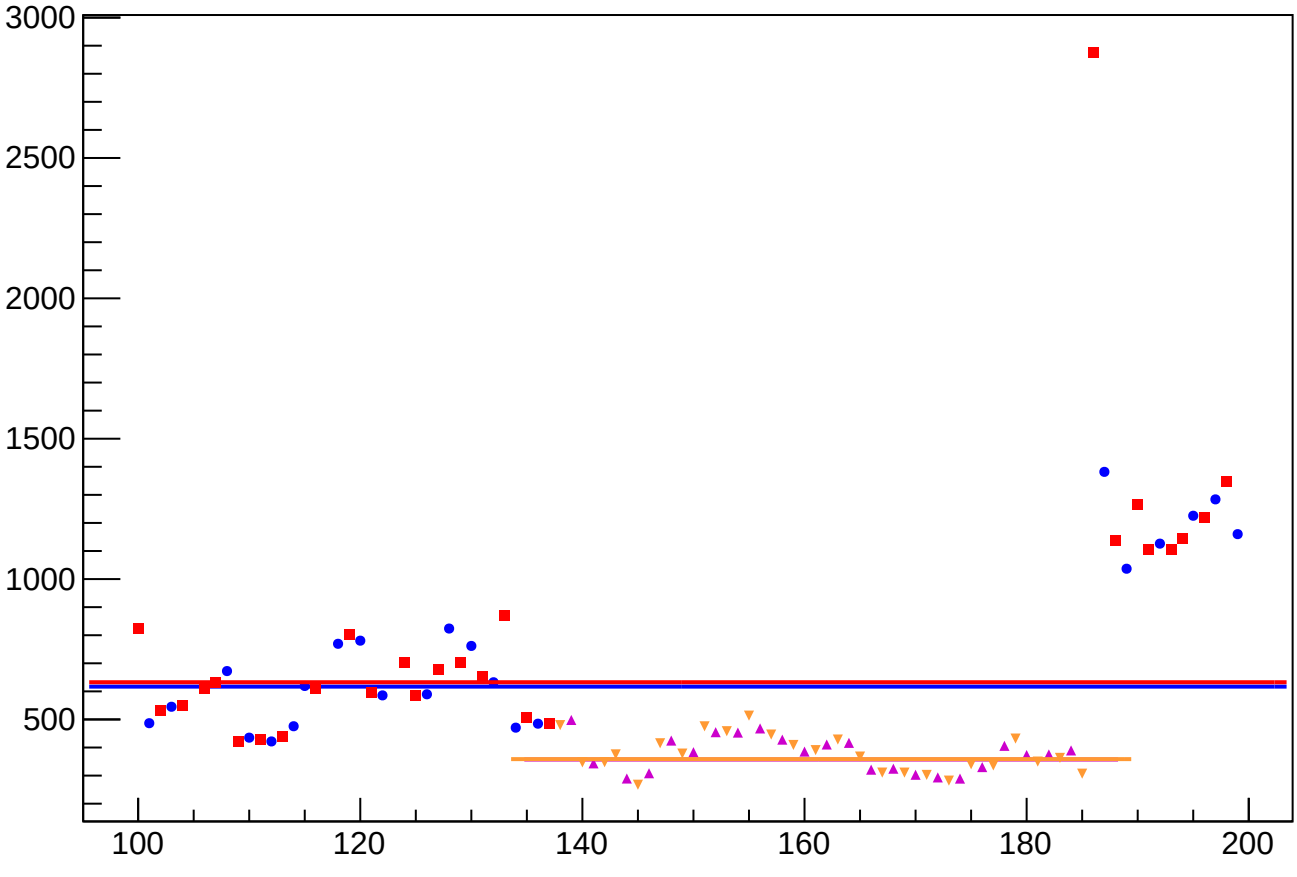
Right: -76.822+/-136.703 χ^2/NDF: 53.4/48

In: 34.977+/-77.783 χ^2/NDF:54.9/44

Out: 313.177+/-76.142 χ^2/NDF:97.5/51

All: 177.043+/-54.411 χ^2/NDF: 159.0/96

asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 616.960+/-0.138 χ^2/NDF: 2812958.9/21

Left Out: 358.677+/-0.059 χ^2/NDF:1119535.1/24

Right Out: 632.586+/-0.136 χ^2/NDF: 3591665.9/26

Left In: 357.182+/-0.060 χ^2/NDF:981641.8/22

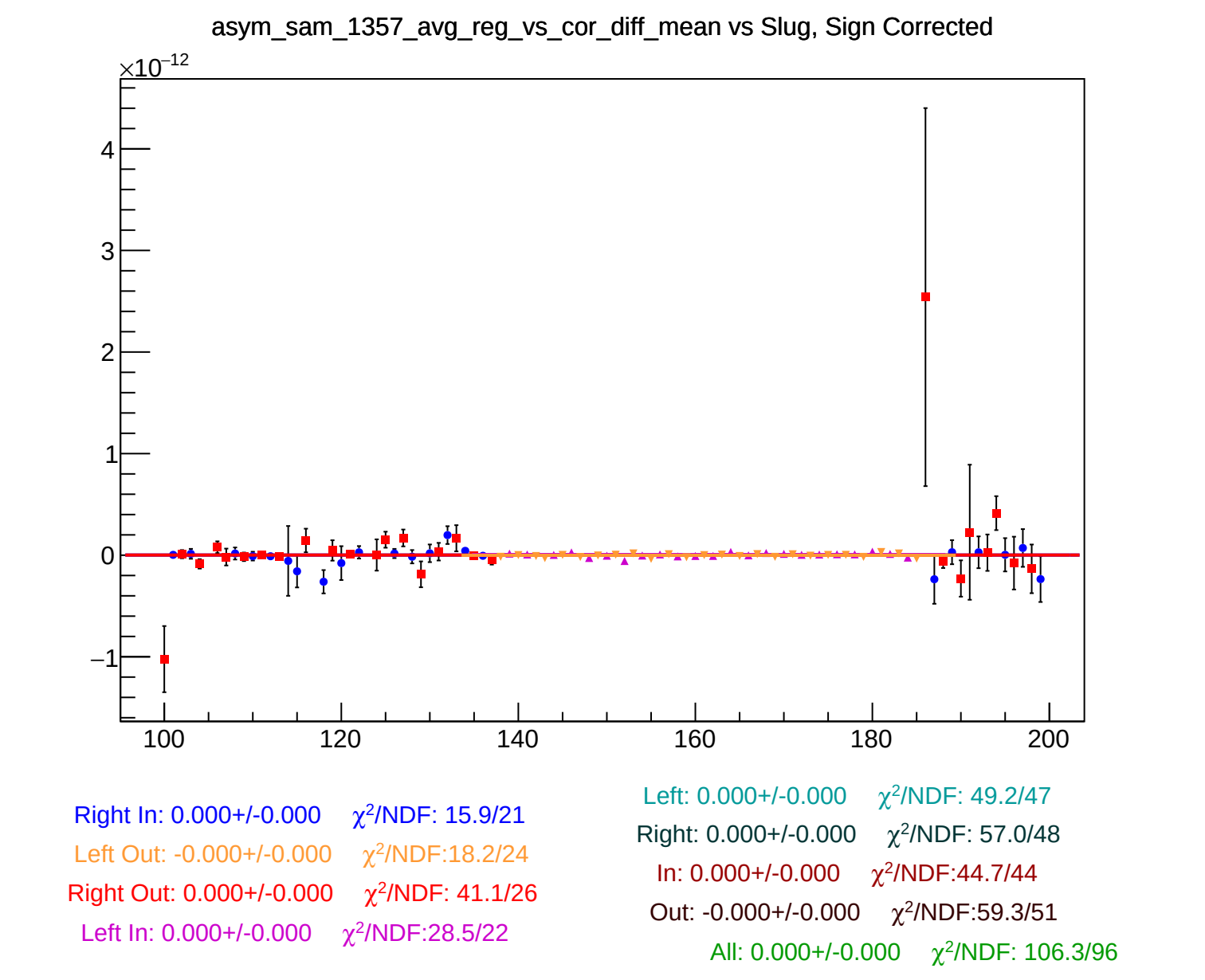
Left: 357.946+/-0.042 χ^2/NDF: 2101494.2/47

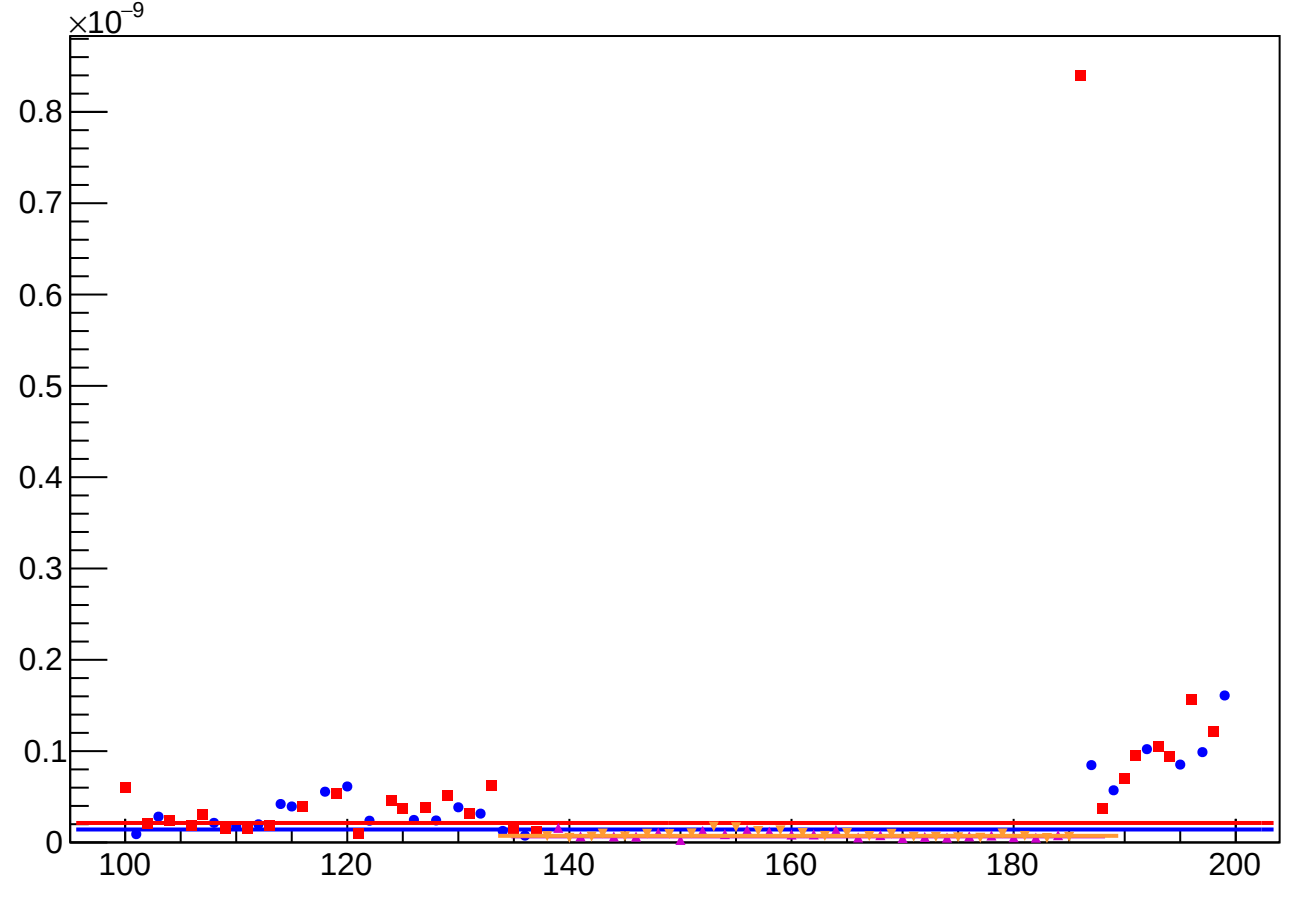
Right: 624.900+/-0.097 χ^2/NDF: 6411155.9/48

In: 398.552+/-0.055 χ^2/NDF:6781421.6/44

Out: 401.854+/-0.054 χ^2/NDF:8147956.9/51

All: 400.238+/-0.038 χ^2/NDF: 14931219.3/96


asym_sam_1357_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
4
3
2
1
0
−1
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 15.9/21
Left Out: -0.000+/-0.000 χ²/NDF:18.2/24
Right Out: 0.000+/-0.000 χ²/NDF: 41.1/26
Left In: 0.000+/-0.000 χ²/NDF:28.5/22
Left: 0.000+/-0.000 χ²/NDF: 49.2/47
Right: 0.000+/-0.000 χ²/NDF: 57.0/48
In: 0.000+/-0.000 χ²/NDF:44.7/44
Out: -0.000+/-0.000 χ²/NDF:59.3/51
All: 0.000+/-0.000 χ²/NDF: 106.3/96



Right In: 0.000+/-0.000 χ^2/NDF: 4504057.2/21

Left Out: 0.000+/-0.000 χ^2/NDF:1438289.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3802739.7/26

Left In: 0.000+/-0.000 χ^2/NDF:1746143.3/22

Left: 0.000+/-0.000 χ^2/NDF: 3229339.0/47

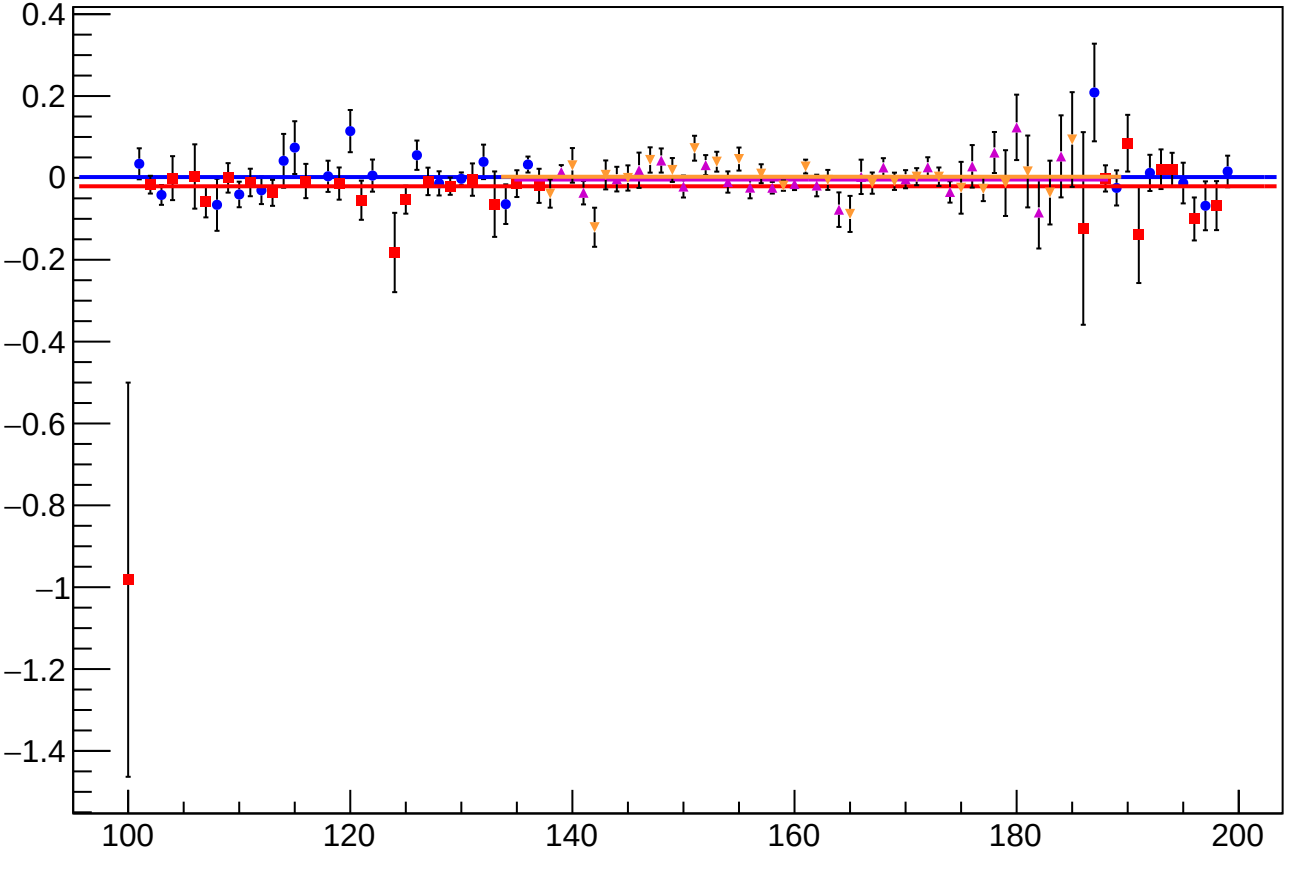
Right: 0.000+/-0.000 χ^2/NDF: 8768819.9/48

In: 0.000+/-0.000 χ^2/NDF:7527904.5/44

Out: 0.000+/-0.000 χ^2/NDF:7916561.0/51

All: 0.000+/-0.000 χ^2/NDF: 15509062.8/96

asym_sam_1357_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.002+/-0.007 χ^2/NDF: 27.0/21

Left Out: 0.003+/-0.005 χ^2/NDF:32.8/24

Right Out: -0.020+/-0.008 χ^2/NDF: 19.3/26

Left In: -0.004+/-0.005 χ^2/NDF:24.6/22

Left: -0.001+/-0.004 χ^2/NDF: 58.2/47

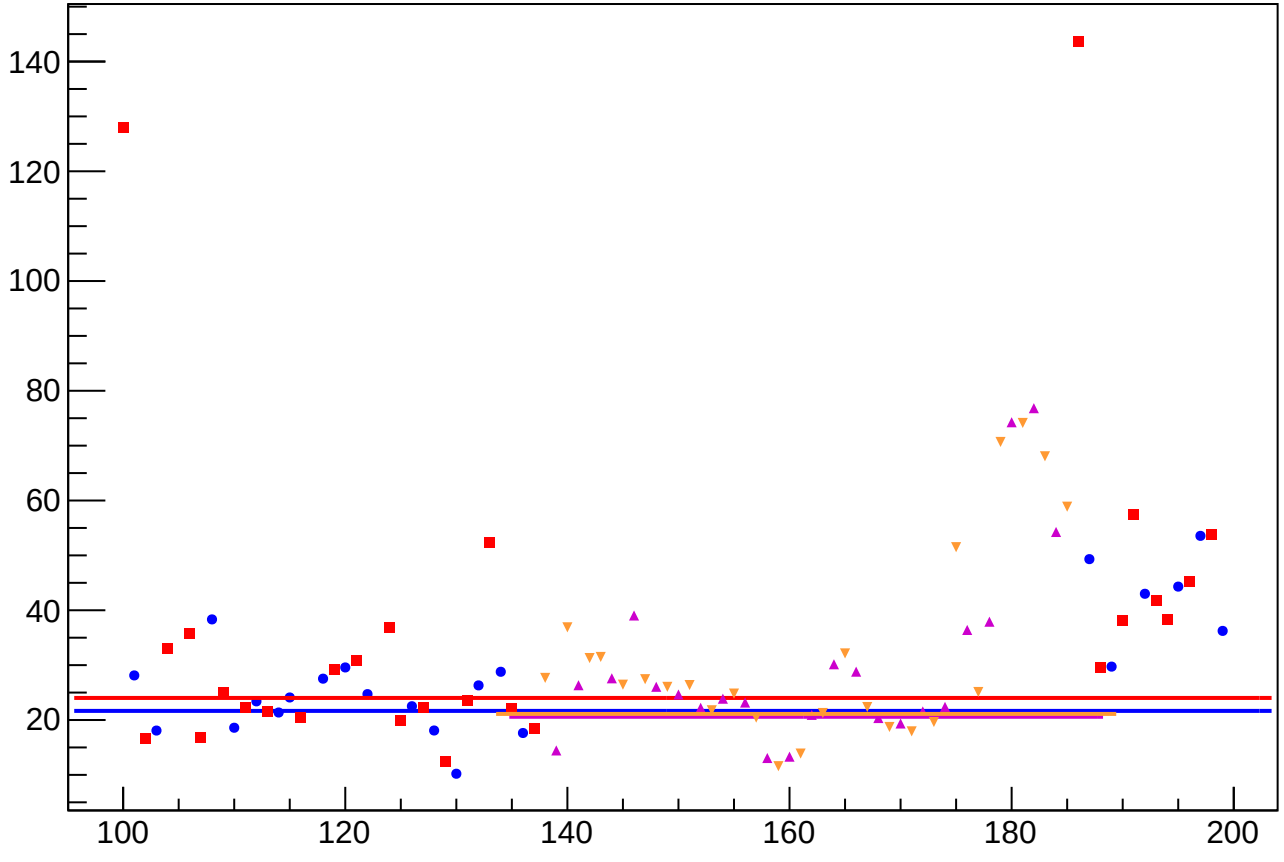
Right: -0.009+/-0.005 χ^2/NDF: 50.8/48

In: -0.002+/-0.004 χ^2/NDF:52.0/44

Out: -0.005+/-0.004 χ^2/NDF:58.2/51

All: -0.003+/-0.003 χ^2/NDF: 110.5/96

asym_sam_1357_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 21.661+/-0.005 χ^2/NDF: 3554064.0/21

Left Out: 21.109+/-0.004 χ^2/NDF:5546528.5/24

Right Out: 24.022+/-0.005 χ^2/NDF: 3727156.1/26

Left In: 20.591+/-0.004 χ^2/NDF:4599493.5/22

Left: 20.849+/-0.003 χ^2/NDF: 10155046.5/47

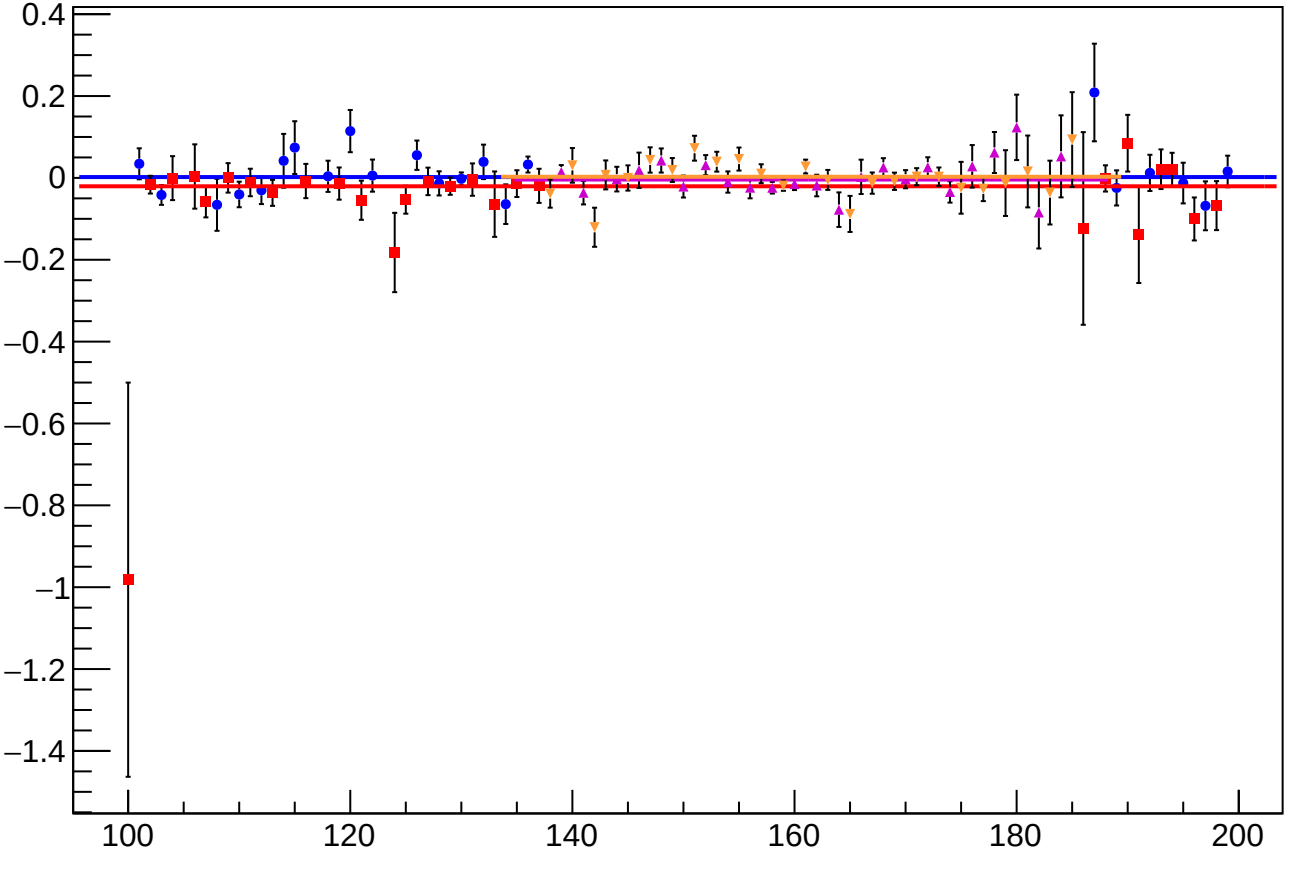
Right: 22.776+/-0.004 χ^2/NDF: 7380770.7/48

In: 20.974+/-0.003 χ^2/NDF:8181296.1/44

Out: 22.084+/-0.003 χ^2/NDF:9464799.2/51

All: 21.517+/-0.002 χ^2/NDF: 17709630.6/96

asym_sam_1357_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.002+/-0.007 χ^2/NDF: 27.0/21

Left Out: 0.003+/-0.005 χ^2/NDF:32.8/24

Right Out: -0.020+/-0.008 χ^2/NDF: 19.3/26

Left In: -0.004+/-0.005 χ^2/NDF:24.6/22

Left: -0.001+/-0.004 χ^2/NDF: 58.2/47

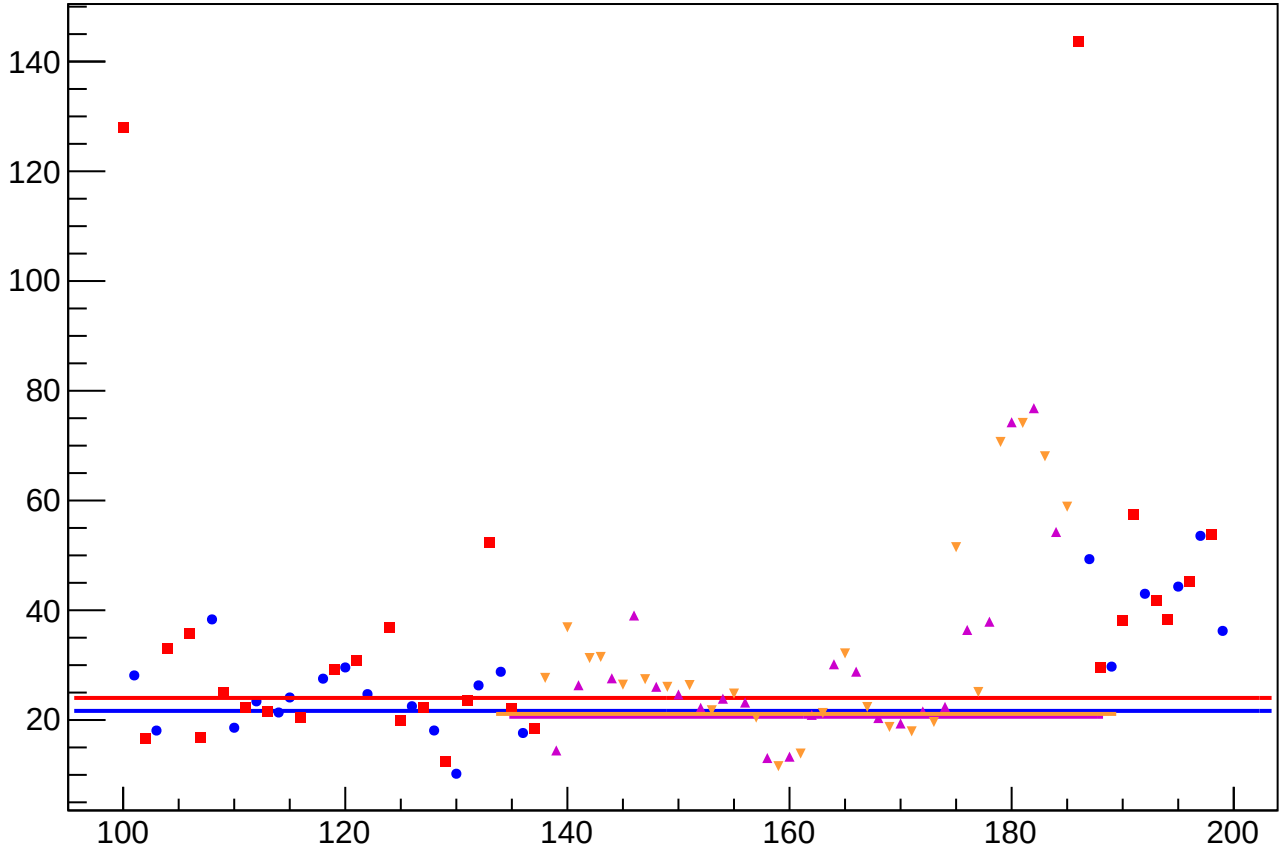
Right: -0.009+/-0.005 χ^2/NDF: 50.8/48

In: -0.002+/-0.004 χ^2/NDF:52.0/44

Out: -0.005+/-0.004 χ^2/NDF:58.2/51

All: -0.003+/-0.003 χ^2/NDF: 110.5/96

asym_sam_1357_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 21.661+/-0.005 χ^2/NDF: 3554064.0/21

Left Out: 21.109+/-0.004 χ^2/NDF:5546528.5/24

Right Out: 24.022+/-0.005 χ^2/NDF: 3727156.1/26

Left In: 20.591+/-0.004 χ^2/NDF:4599493.5/22

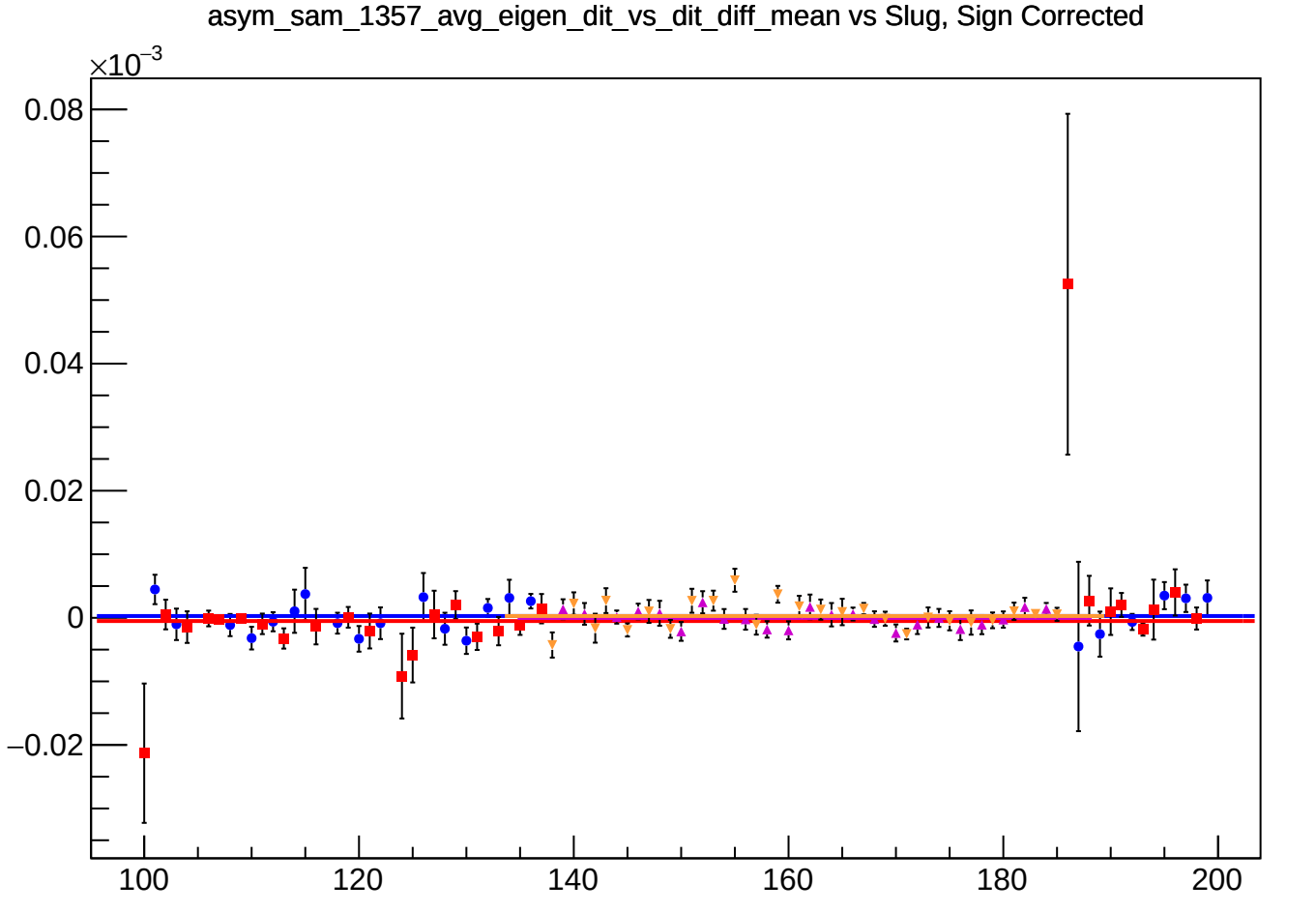
Left: 20.849+/-0.003 χ^2/NDF: 10155046.5/47

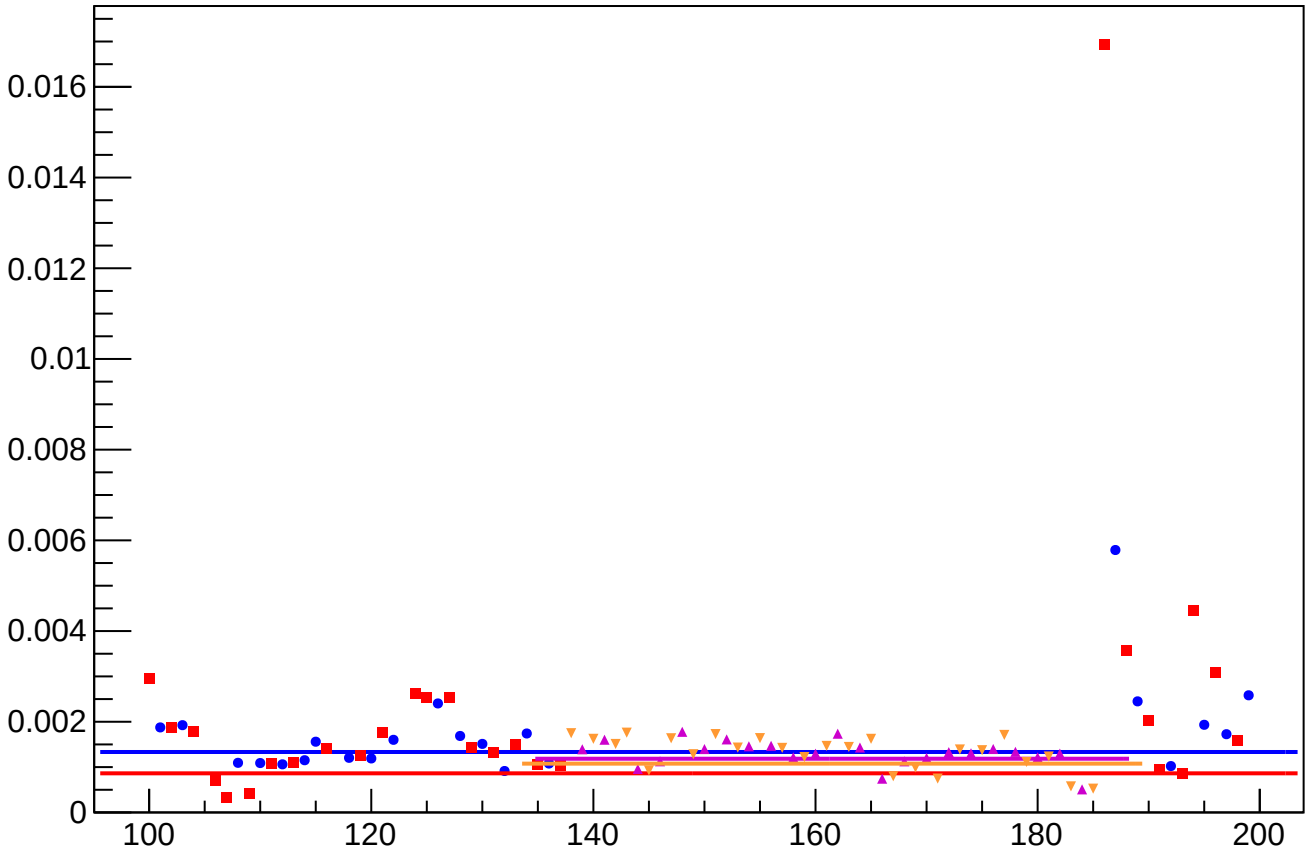
Right: 22.776+/-0.004 χ^2/NDF: 7380770.7/48

In: 20.974+/-0.003 χ^2/NDF:8181296.1/44

Out: 22.084+/-0.003 χ^2/NDF:9464799.2/51

All: 21.517+/-0.002 χ^2/NDF: 17709630.6/96


asym_sam_1357_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.08
0.06
0.04
0.02
0
−0.02
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 30.0/21
Left Out: 0.000+/-0.000 χ²/NDF:52.6/24
Right Out: -0.000+/-0.000 χ²/NDF: 25.7/26
Left In: -0.000+/-0.000 χ²/NDF:19.8/22
Left: 0.000+/-0.000 χ²/NDF: 73.0/47
Right: -0.000+/-0.000 χ²/NDF: 58.0/48
In: 0.000+/-0.000 χ²/NDF:50.2/44
Out: -0.000+/-0.000 χ²/NDF:82.1/51
All: 0.000+/-0.000 χ²/NDF: 132.5/96



Right In: 0.001+/-0.000 χ^2/NDF: 2133674.7/21

Left Out: 0.001+/-0.000 χ^2/NDF:4545392.2/24

Right Out: 0.001+/-0.000 χ^2/NDF: 8990853.9/26

Left In: 0.001+/-0.000 χ^2/NDF:2456537.2/22

Left: 0.001+/-0.000 χ^2/NDF: 7155644.5/47

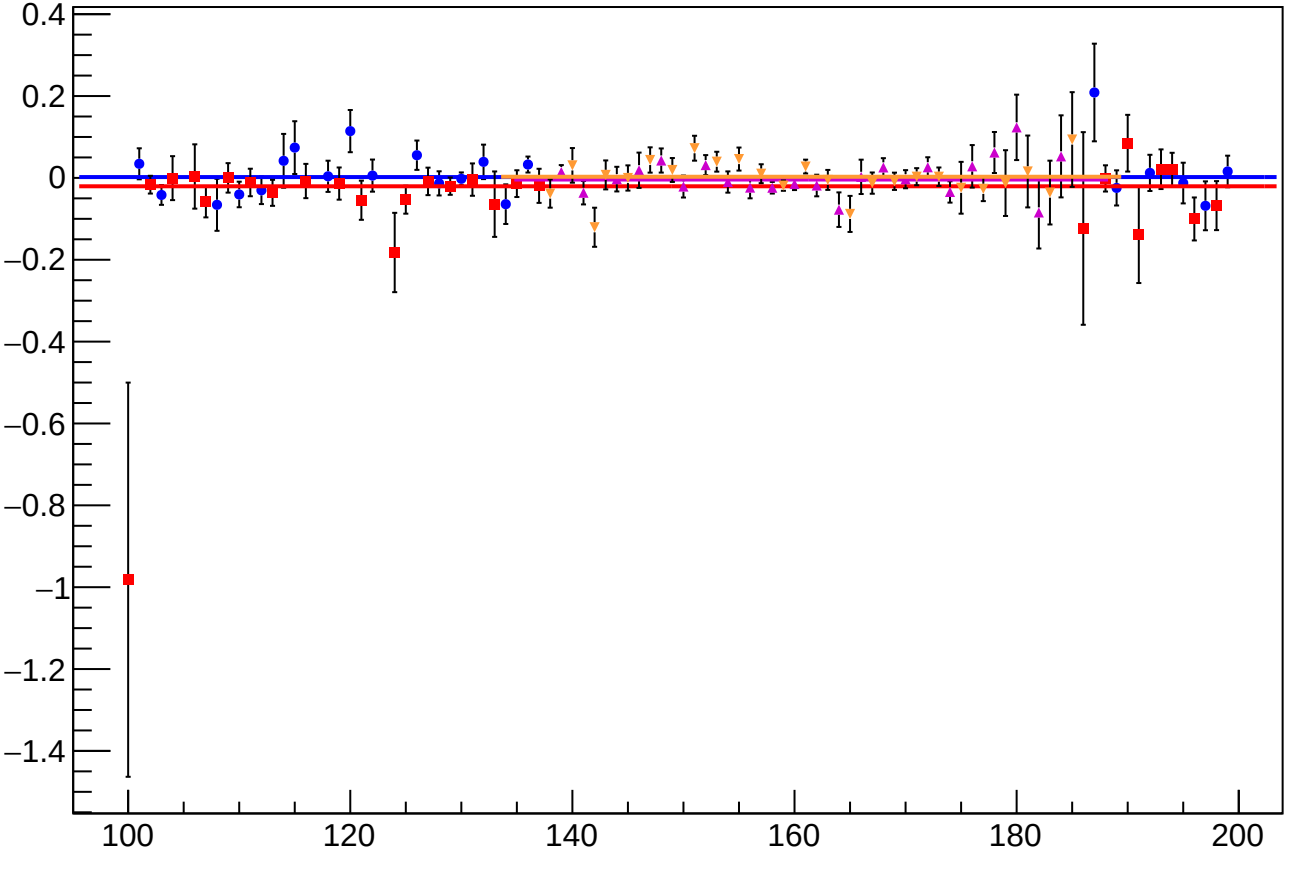
Right: 0.001+/-0.000 χ^2/NDF: 12724707.9/48

In: 0.001+/-0.000 χ^2/NDF:4756181.1/44

Out: 0.001+/-0.000 χ^2/NDF:14095800.9/51

All: 0.001+/-0.000 χ^2/NDF: 20090286.8/96

asym_sam_1357_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.002+/-0.007 χ^2/NDF: 27.0/21

Left Out: 0.003+/-0.005 χ^2/NDF:32.8/24

Right Out: -0.020+/-0.008 χ^2/NDF: 19.3/26

Left In: -0.004+/-0.005 χ^2/NDF:24.6/22

Left: -0.001+/-0.004 χ^2/NDF: 58.2/47

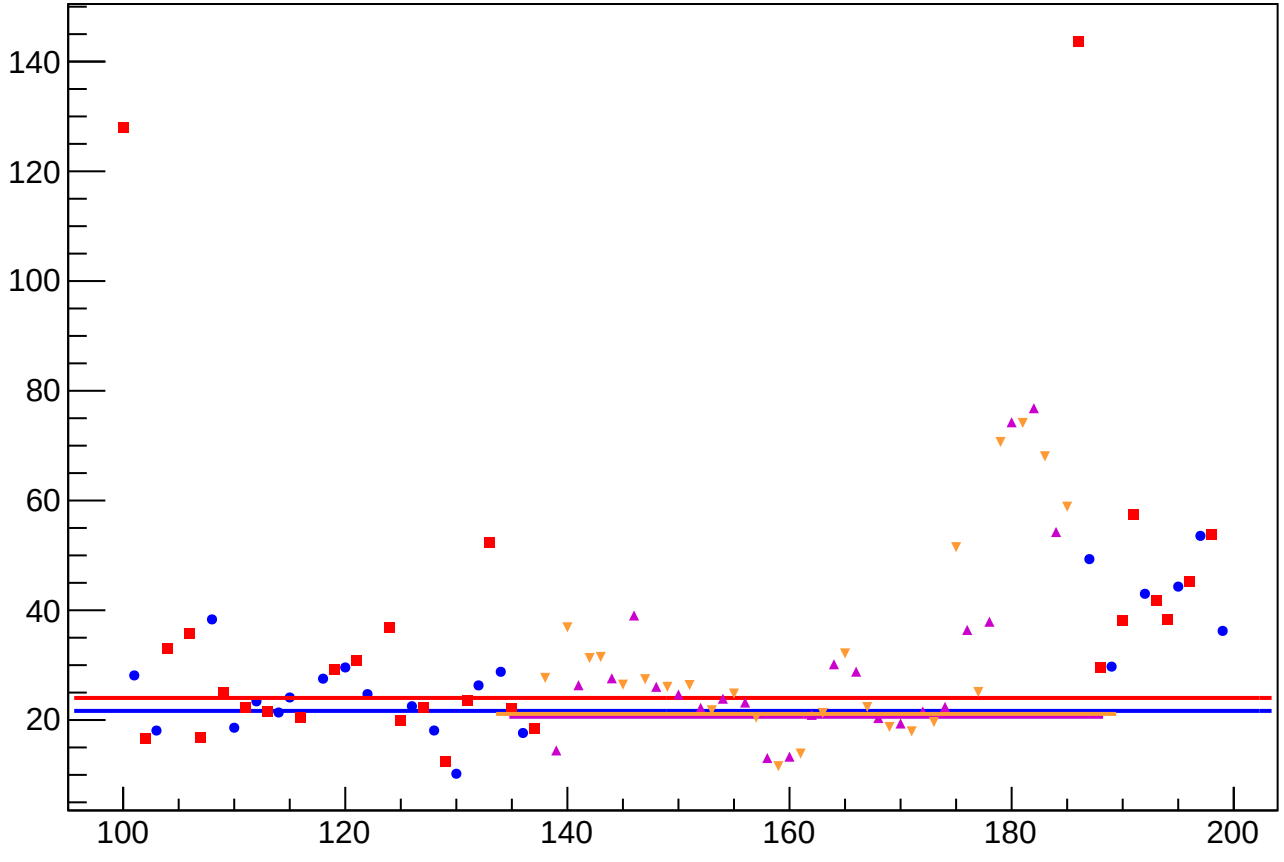
Right: -0.009+/-0.005 χ^2/NDF: 50.8/48

In: -0.002+/-0.004 χ^2/NDF:52.0/44

Out: -0.005+/-0.004 χ^2/NDF:58.2/51

All: -0.003+/-0.003 χ^2/NDF: 110.5/96

asym_sam_1357_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 21.661+/-0.005 χ^2/NDF: 3553862.1/21

Left Out: 21.109+/-0.004 χ^2/NDF:5546663.4/24

Right Out: 24.022+/-0.005 χ^2/NDF: 3727127.8/26

Left In: 20.592+/-0.004 χ^2/NDF:4599496.2/22

Left: 20.849+/-0.003 χ^2/NDF: 10155178.1/47

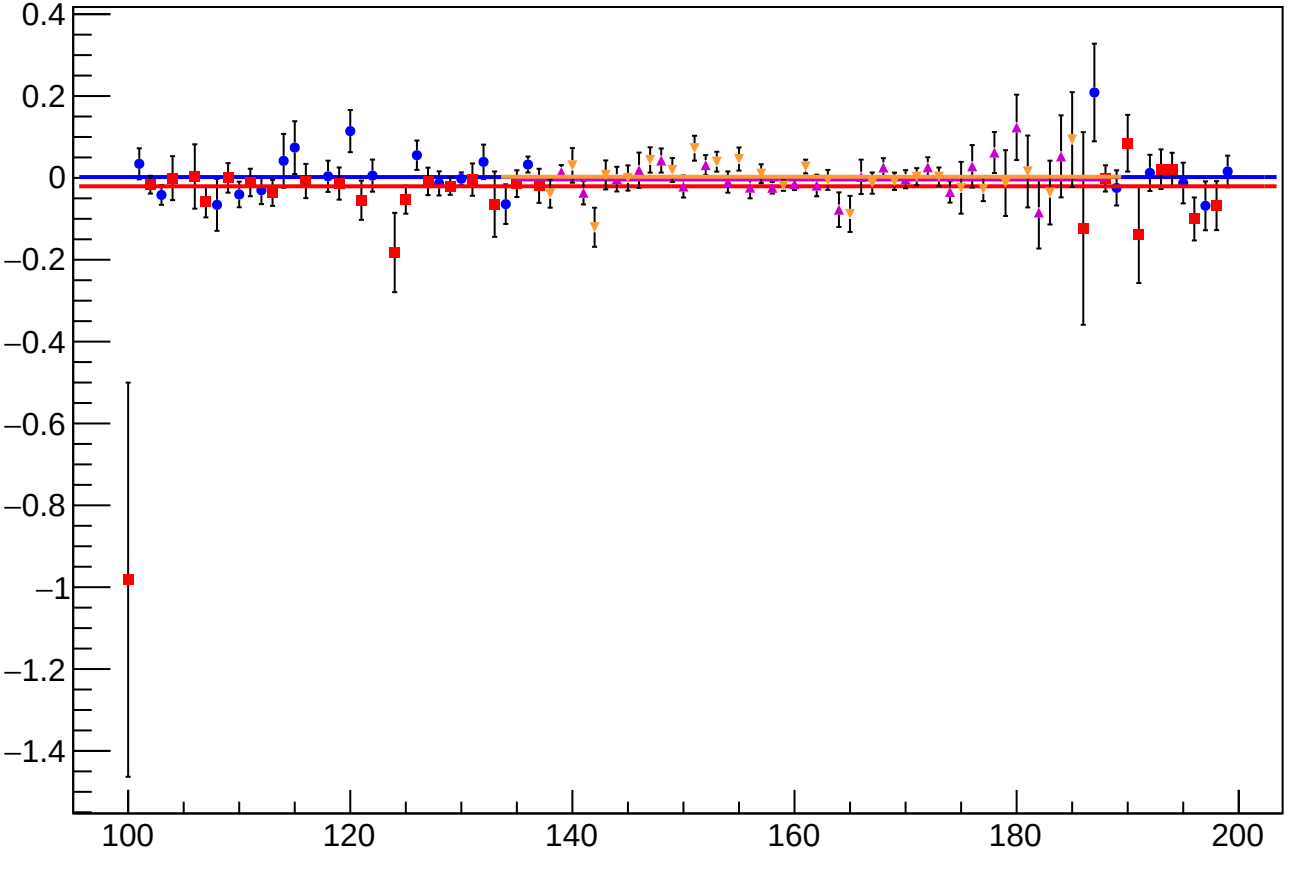
Right: 22.777+/-0.004 χ^2/NDF: 7380521.1/48

In: 20.975+/-0.003 χ^2/NDF:8181107.5/44

Out: 22.084+/-0.003 χ^2/NDF:9464927.1/51

All: 21.518+/-0.002 χ^2/NDF: 17709546.8/96

asym_sam_1357_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.002+/-0.007 χ^2/NDF: 27.0/21

Left Out: 0.003+/-0.005 χ^2/NDF:32.8/24

Right Out: -0.020+/-0.008 χ^2/NDF: 19.3/26

Left In: -0.004+/-0.005 χ^2/NDF:24.6/22

Left: -0.001+/-0.004 χ^2/NDF: 58.2/47

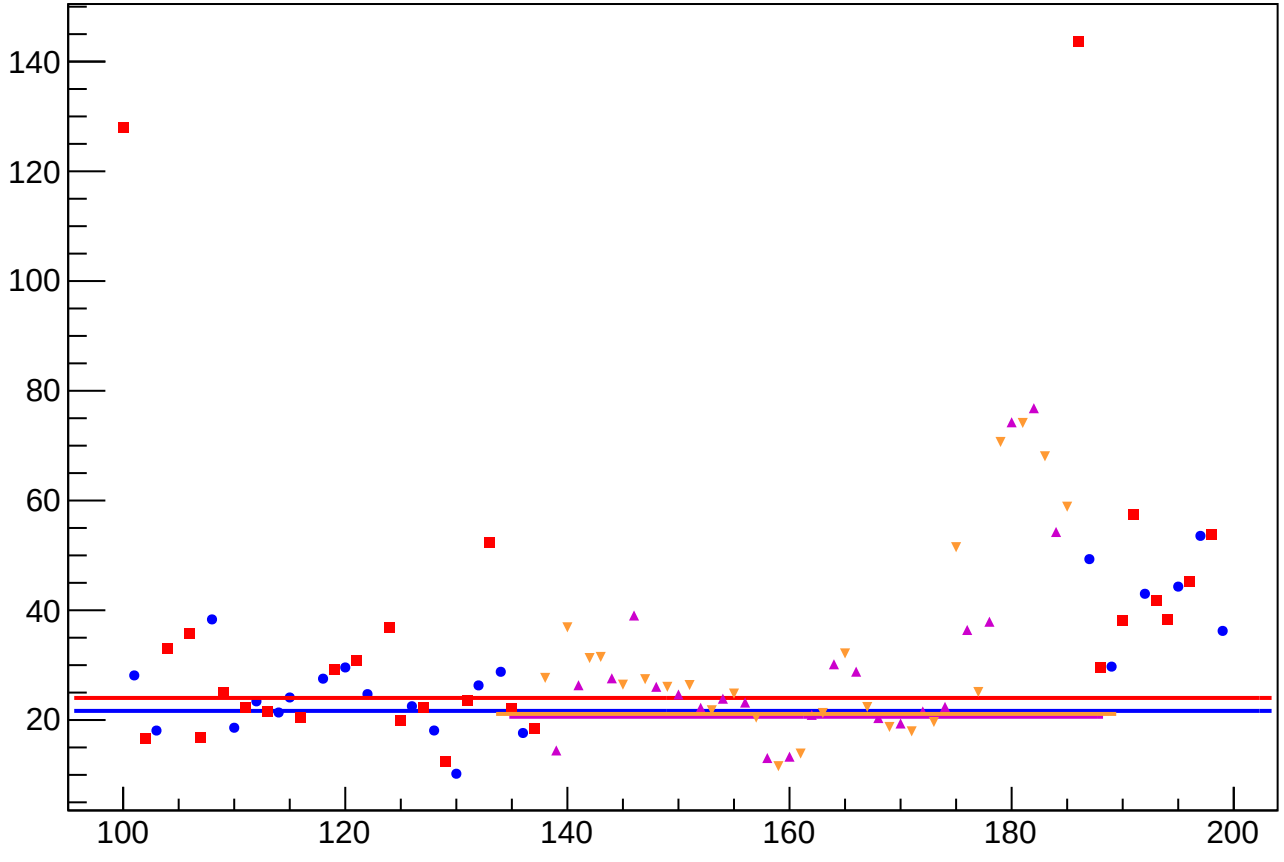
Right: -0.009+/-0.005 χ^2/NDF: 50.8/48

In: -0.002+/-0.004 χ^2/NDF:52.0/44

Out: -0.005+/-0.004 χ^2/NDF:58.2/51

All: -0.003+/-0.003 χ^2/NDF: 110.5/96

asym_sam_1357_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 21.661+/-0.005 χ^2/NDF: 3553862.1/21

Left Out: 21.109+/-0.004 χ^2/NDF:5546663.4/24

Right Out: 24.022+/-0.005 χ^2/NDF: 3727127.8/26

Left In: 20.592+/-0.004 χ^2/NDF:4599496.2/22

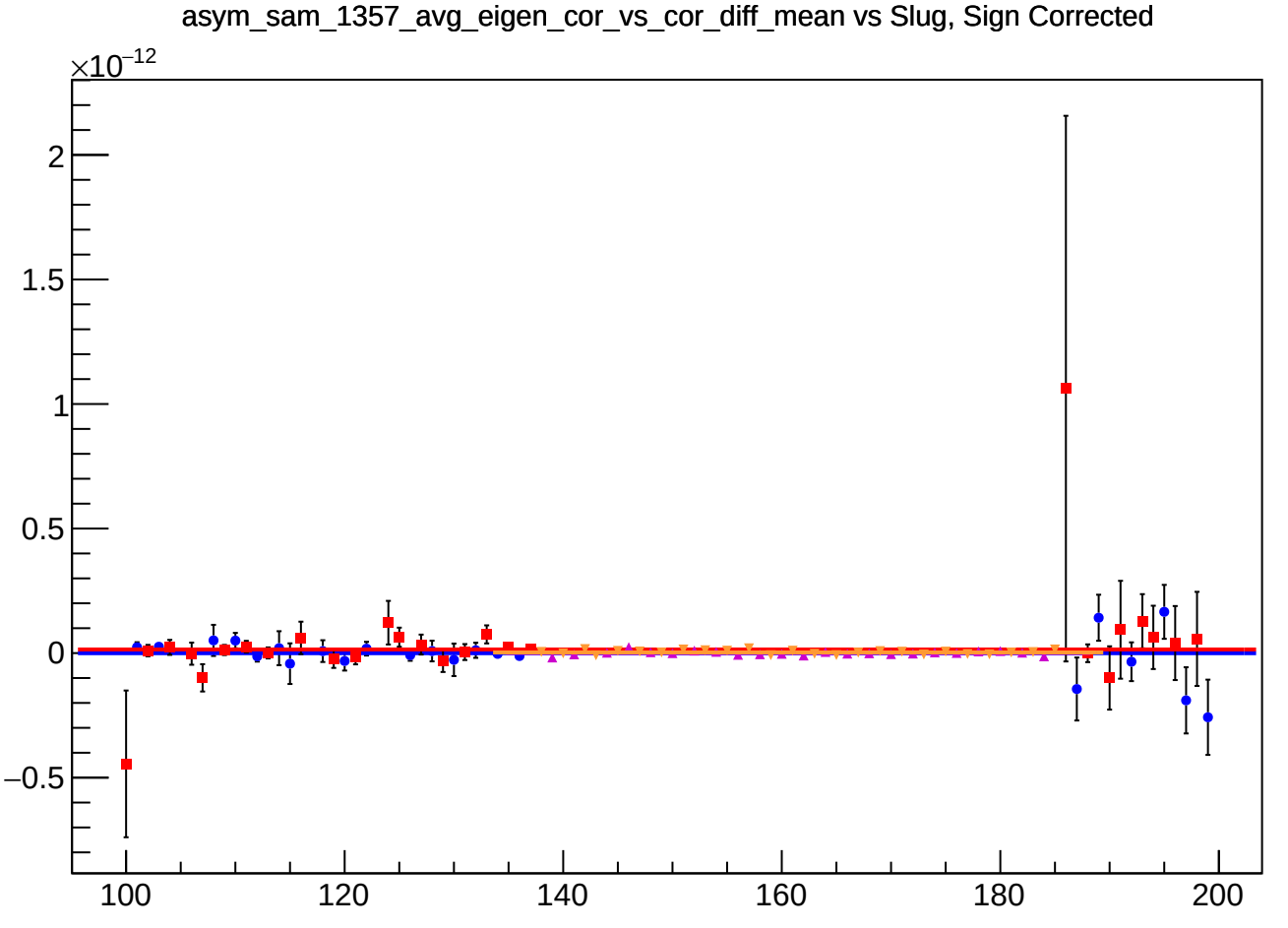
Left: 20.849+/-0.003 χ^2/NDF: 10155178.1/47

Right: 22.777+/-0.004 χ^2/NDF: 7380521.1/48

In: 20.975+/-0.003 χ^2/NDF:8181107.5/44

Out: 22.084+/-0.003 χ^2/NDF:9464927.1/51

All: 21.518+/-0.002 χ^2/NDF: 17709546.8/96



Right In: -0.000+/-0.000 χ^2/NDF: 21.7/21

Left Out: 0.000+/-0.000 χ^2/NDF:20.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 21.0/26

Left In: 0.000+/-0.000 χ^2/NDF:21.4/22

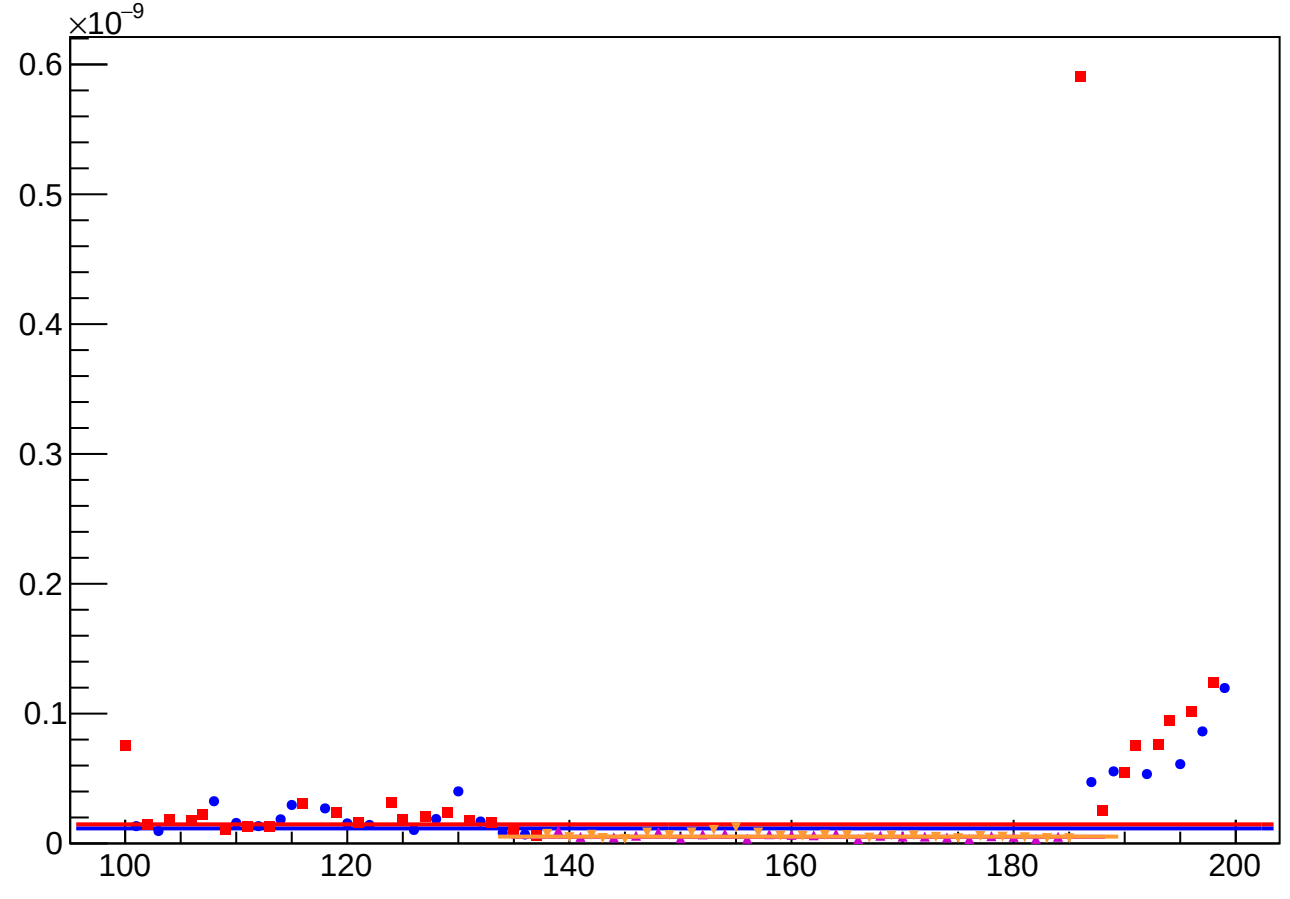
Left: 0.000+/-0.000 χ^2/NDF: 42.7/47

Right: 0.000+/-0.000 χ^2/NDF: 45.8/48

In: 0.000+/-0.000 χ^2/NDF:43.1/44

Out: 0.000+/-0.000 χ^2/NDF:44.9/51

All: 0.000+/-0.000 χ^2/NDF: 89.5/96



Right In: 0.000+/-0.000 χ^2/NDF: 5149958.1/21

Left Out: 0.000+/-0.000 χ^2/NDF:2053779.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5387924.5/26

Left In: 0.000+/-0.000 χ^2/NDF:1700889.7/22

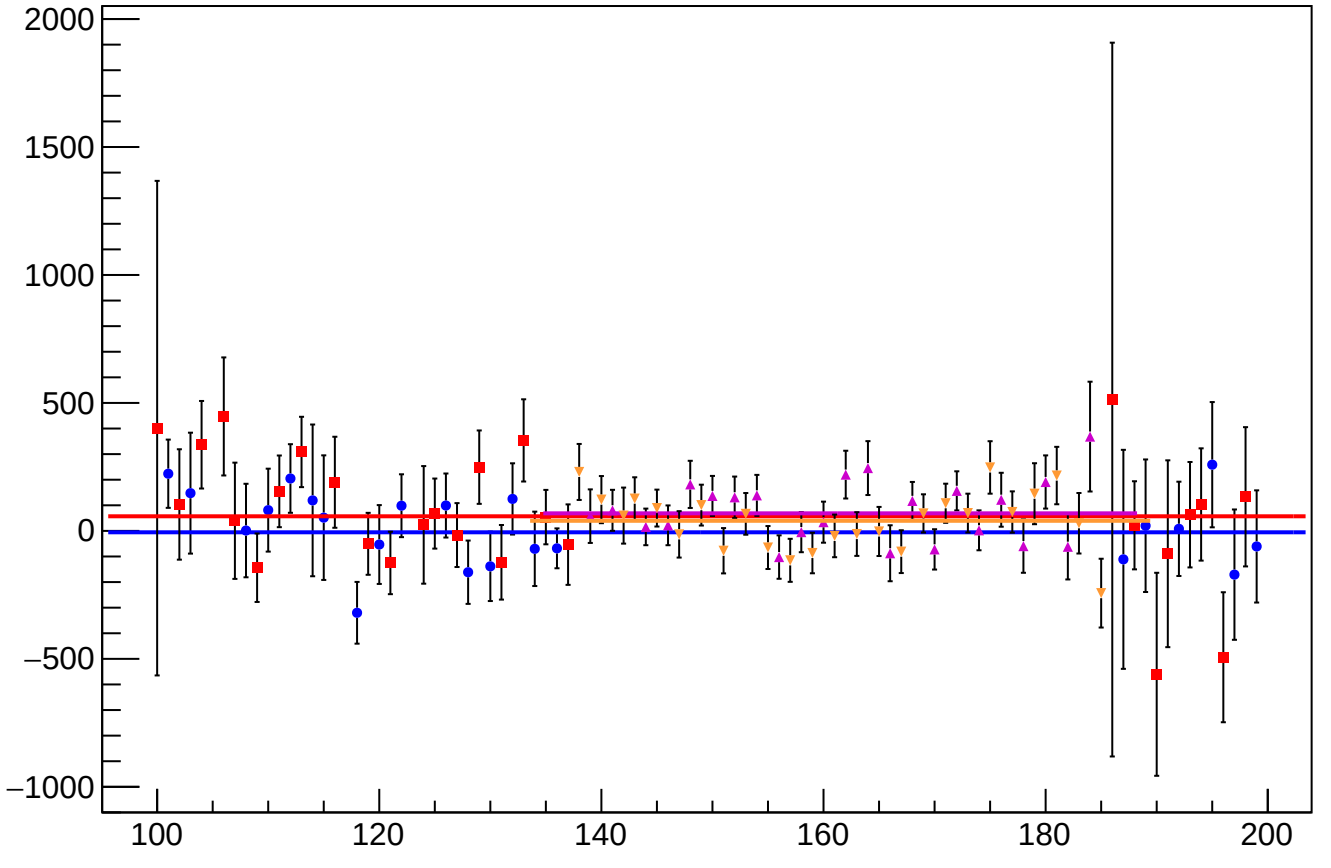
Left: 0.000+/-0.000 χ^2/NDF: 3769522.8/47

Right: 0.000+/-0.000 χ^2/NDF: 10811294.9/48

In: 0.000+/-0.000 χ^2/NDF:9393983.2/44

Out: 0.000+/-0.000 χ^2/NDF:11578957.8/51

All: 0.000+/-0.000 χ^2/NDF: 20998012.2/96



Right In: -5.485+/-32.386 χ^2/NDF: 20.7/21

Left Out: 39.477+/-17.666 χ^2/NDF:31.9/24

Right Out: 57.058+/-32.559 χ^2/NDF: 30.5/26

Left In: 68.620+/-18.317 χ^2/NDF:29.0/22

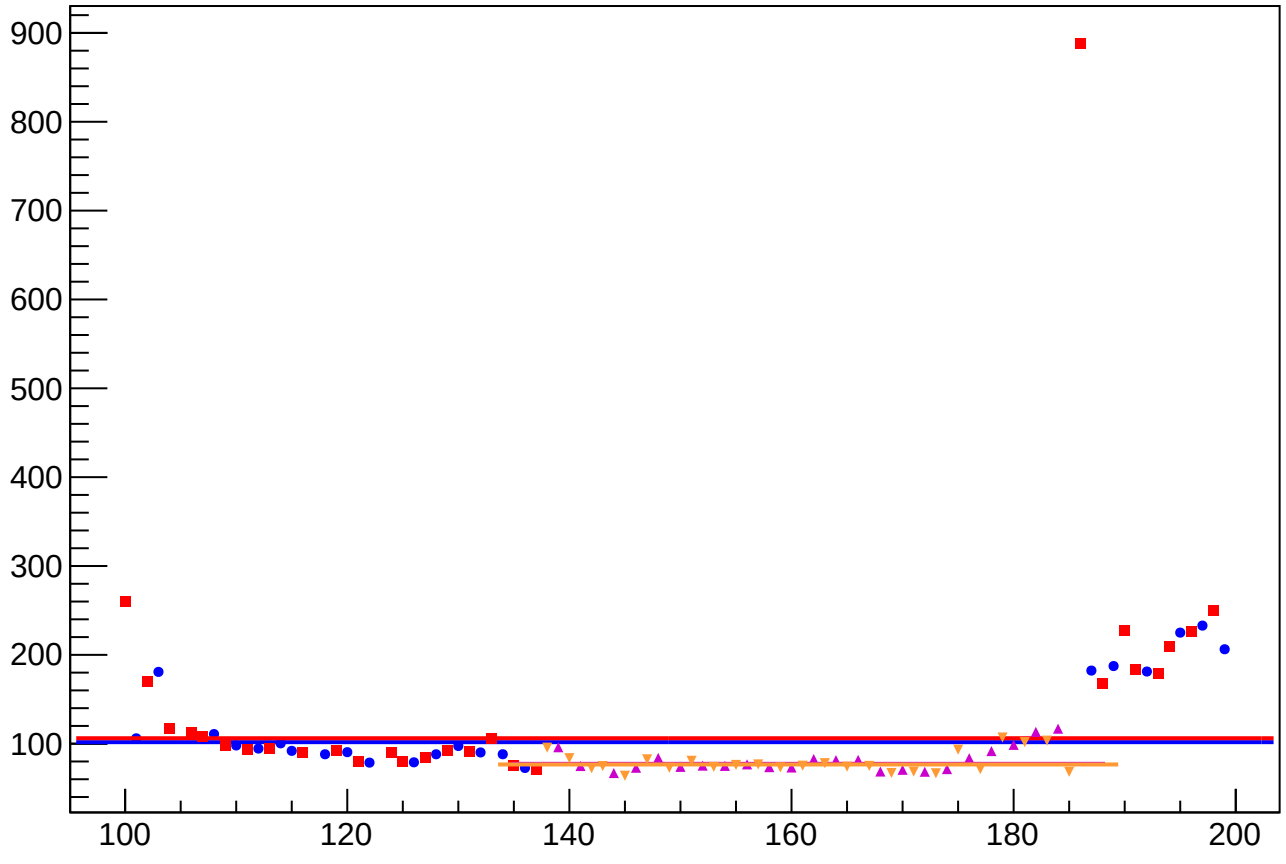
Left: 53.521+/-12.716 χ^2/NDF: 62.3/47

Right: 25.619+/-22.961 χ^2/NDF: 53.0/48

In: 50.659+/-15.944 χ^2/NDF:53.6/44

Out: 43.476+/-15.528 χ^2/NDF:62.7/51

All: 46.973+/-11.124 χ^2/NDF: 116.4/96



Right In: 101.734+/-0.023 χ^2/NDF: 2904827.9/21

Left Out: 76.646+/-0.012 χ^2/NDF:654608.6/24

Right Out: 106.170+/-0.023 χ^2/NDF: 3728218.4/26

Left In: 77.348+/-0.013 χ^2/NDF:590414.8/22

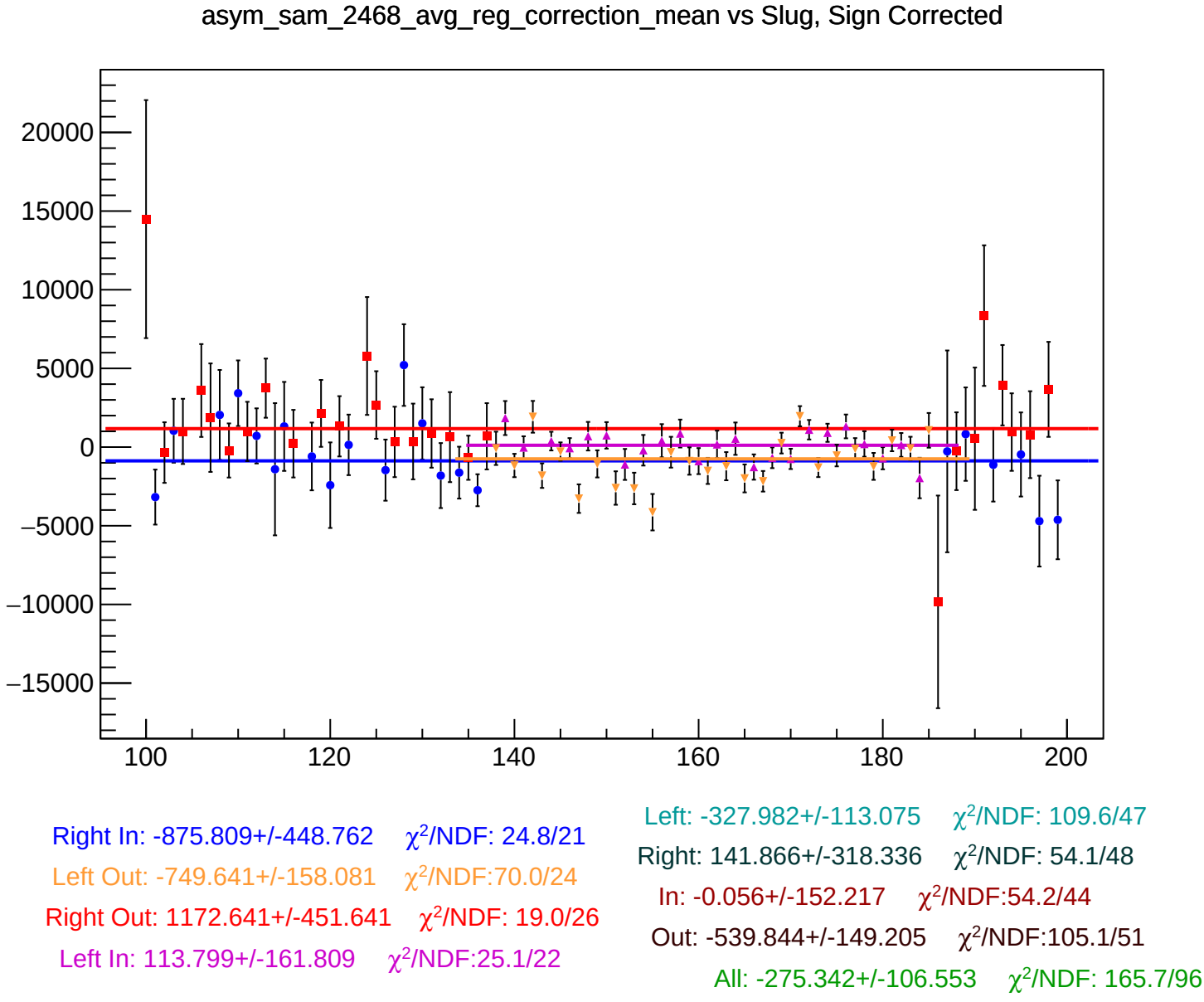
Left: 76.985+/-0.009 χ^2/NDF: 1246545.0/47

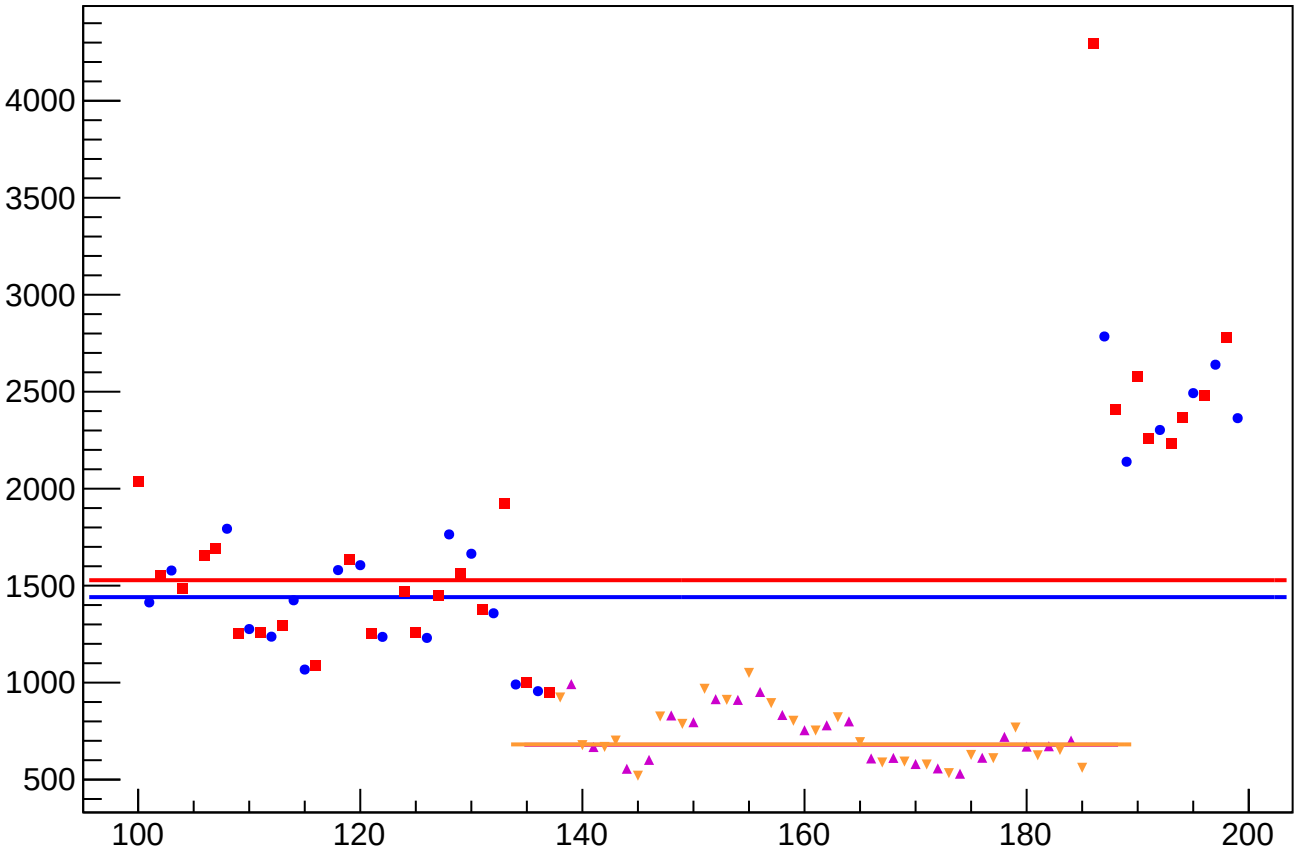
Right: 103.940+/-0.016 χ^2/NDF: 6651707.4/48

In: 83.259+/-0.011 χ^2/NDF:4354387.8/44

Out: 83.361+/-0.011 χ^2/NDF:5653274.0/51

All: 83.311+/-0.008 χ^2/NDF: 10007704.4/96


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: -875.809+/-448.762 χ²/NDF: 24.8/21
Left Out: -749.641+/-158.081 χ²/NDF:70.0/24
Right Out: 1172.641+/-451.641 χ²/NDF: 19.0/26
Left In: 113.799+/-161.809 χ²/NDF:25.1/22
Left: -327.982+/-113.075 χ²/NDF: 109.6/47
Right: 141.866+/-318.336 χ²/NDF: 54.1/48
In: -0.056+/-152.217 χ²/NDF:54.2/44
Out: -539.844+/-149.205 χ²/NDF:105.1/51
All: -275.342+/-106.553 χ²/NDF: 165.7/96



Right In: 1440.828+/-0.317 χ^2/NDF: 2231012.1/21

Left Out: 681.427+/-0.112 χ^2/NDF:1334213.4/24

Right Out: 1528.092+/-0.319 χ^2/NDF: 2503666.4/26

Left In: 679.413+/-0.114 χ^2/NDF:1185267.0/22

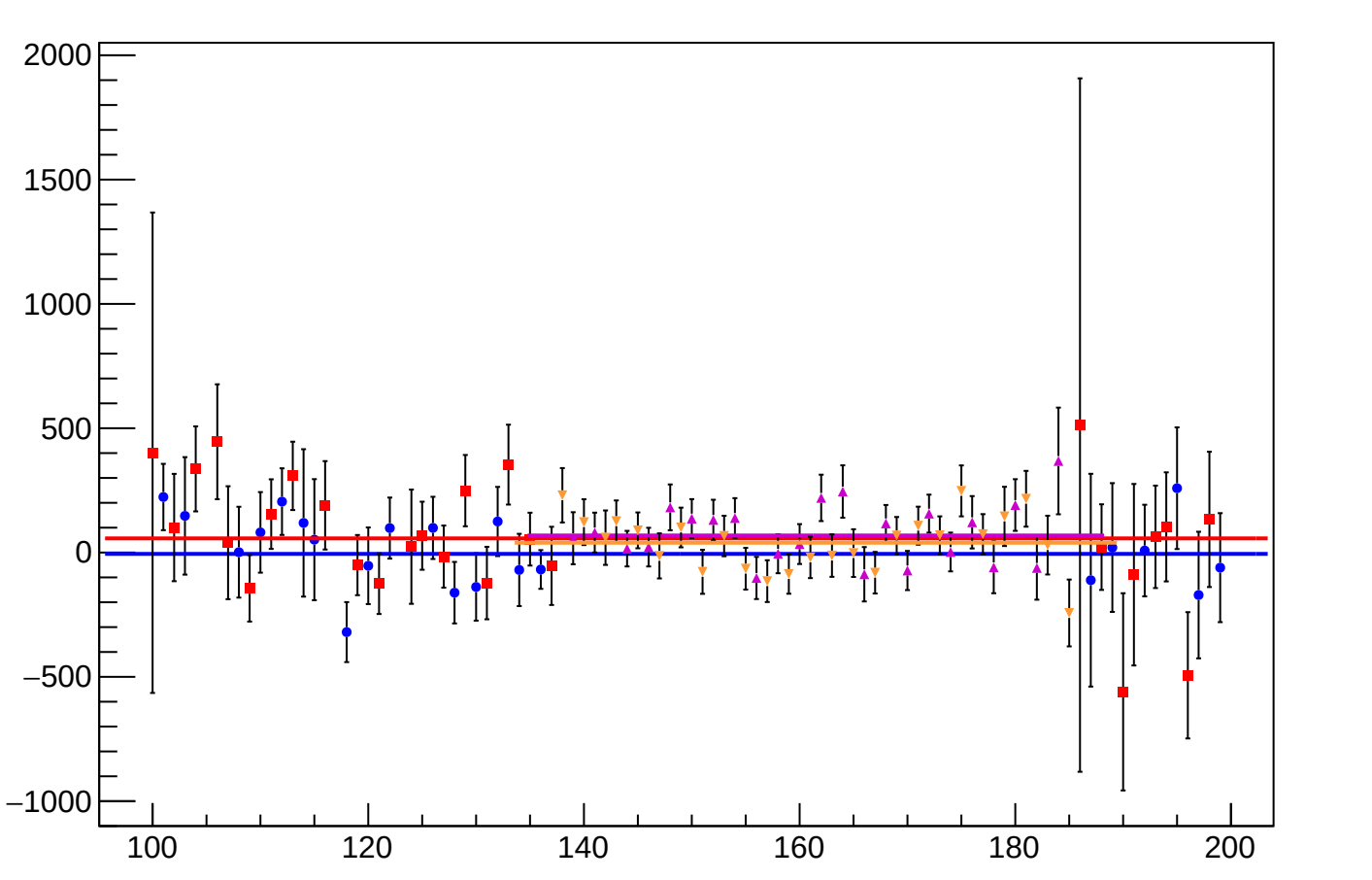
Left: 680.443+/-0.080 χ^2/NDF: 2519638.8/47

Right: 1484.181+/-0.225 χ^2/NDF: 4772249.5/48

In: 767.015+/-0.108 χ^2/NDF:8511446.7/44

Out: 773.831+/-0.106 χ^2/NDF:10099357.1/51

All: 770.491+/-0.075 χ^2/NDF: 18612849.0/96



Right In: -5.494+/-32.386 χ^2/NDF: 20.7/21

Left Out: 39.484+/-17.666 χ^2/NDF:31.9/24

Right Out: 56.931+/-32.561 χ^2/NDF: 30.5/26

Left In: 68.620+/-18.317 χ^2/NDF:29.0/22

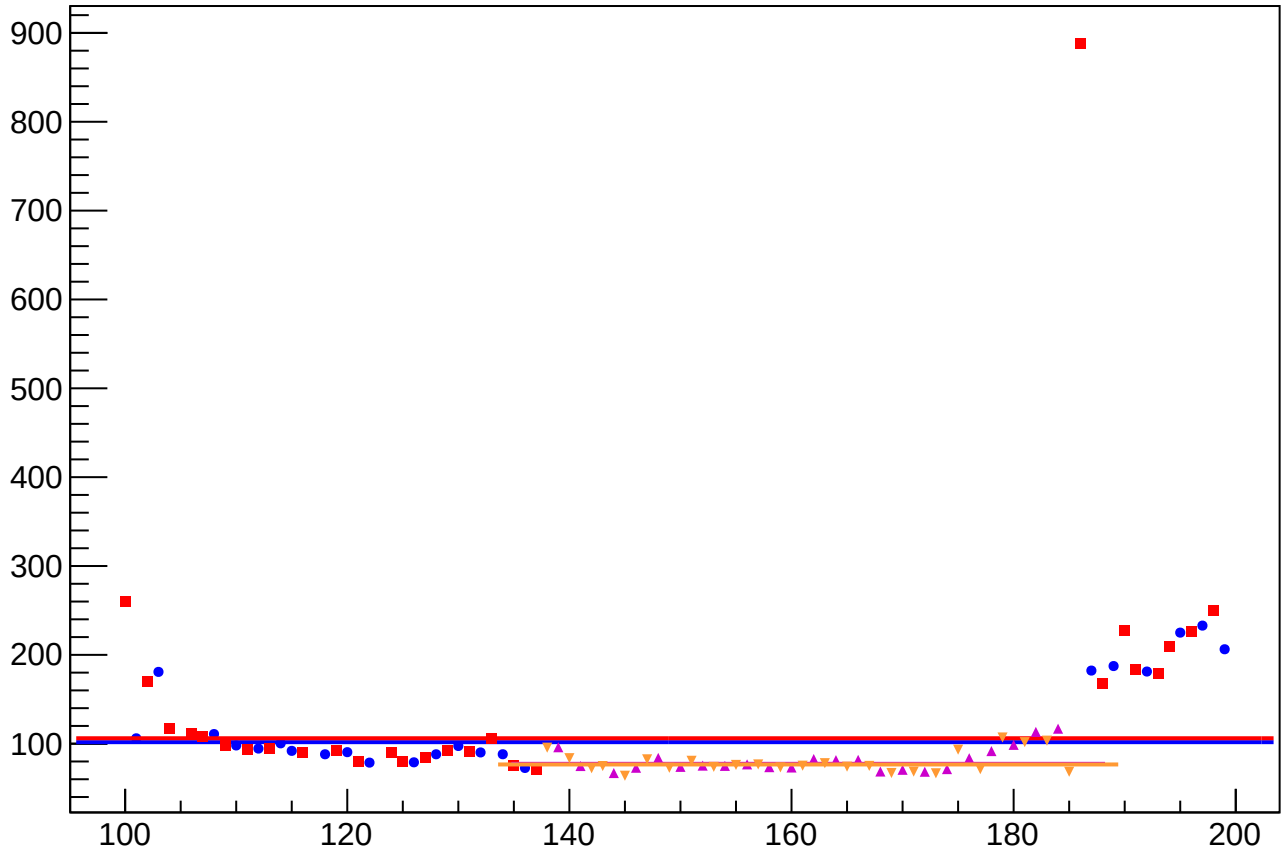
Left: 53.525+/-12.716 χ^2/NDF: 62.3/47

Right: 25.550+/-22.962 χ^2/NDF: 53.0/48

In: 50.657+/-15.944 χ^2/NDF:53.6/44

Out: 43.452+/-15.528 χ^2/NDF:62.7/51

All: 46.960+/-11.124 χ^2/NDF: 116.4/96



Right In: 101.734+/-0.023 χ^2/NDF: 2904831.4/21

Left Out: 76.646+/-0.012 χ^2/NDF:654608.7/24

Right Out: 106.144+/-0.023 χ^2/NDF: 3727881.5/26

Left In: 77.348+/-0.013 χ^2/NDF:590414.8/22

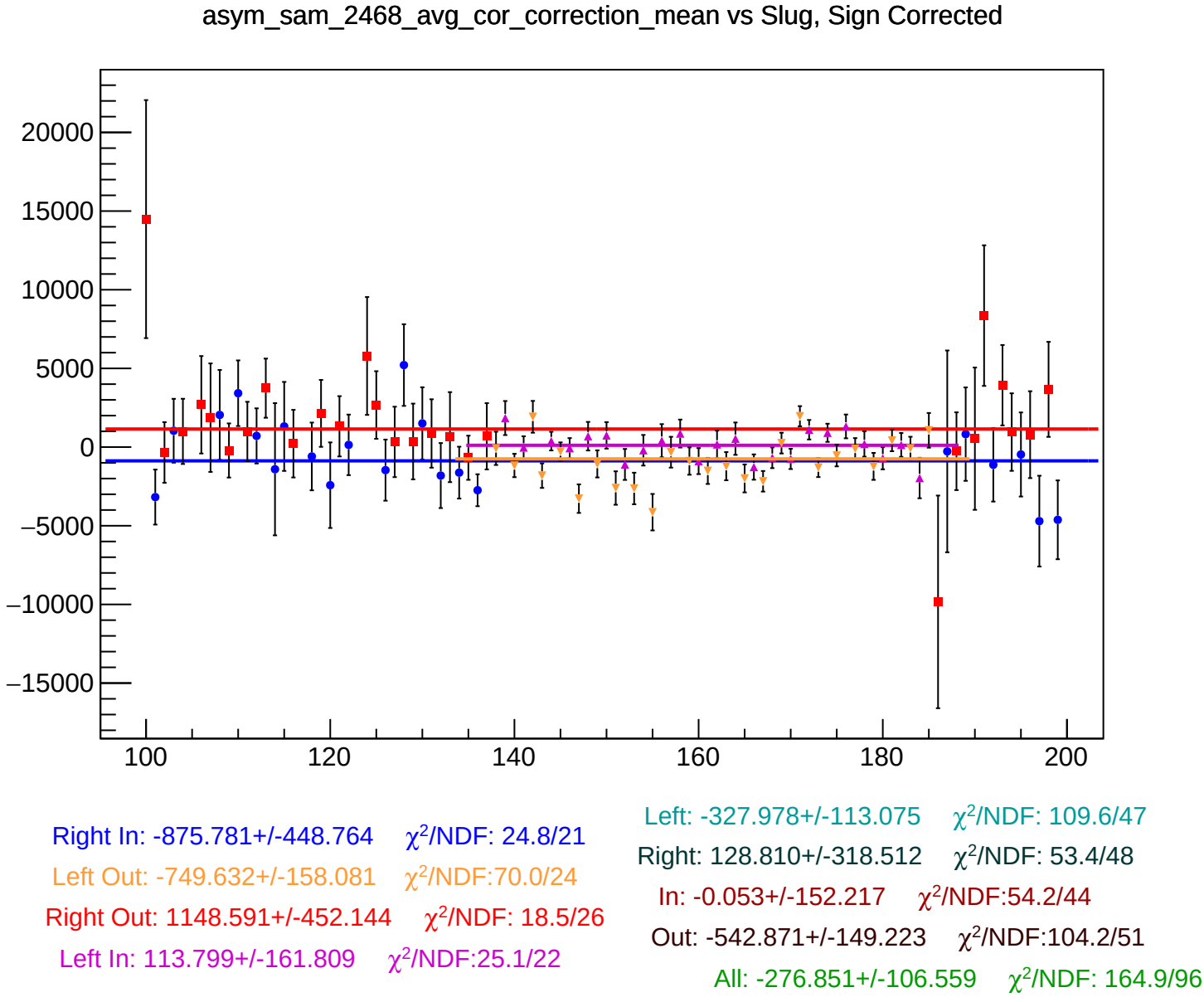
Left: 76.985+/-0.009 χ^2/NDF: 1246545.1/47

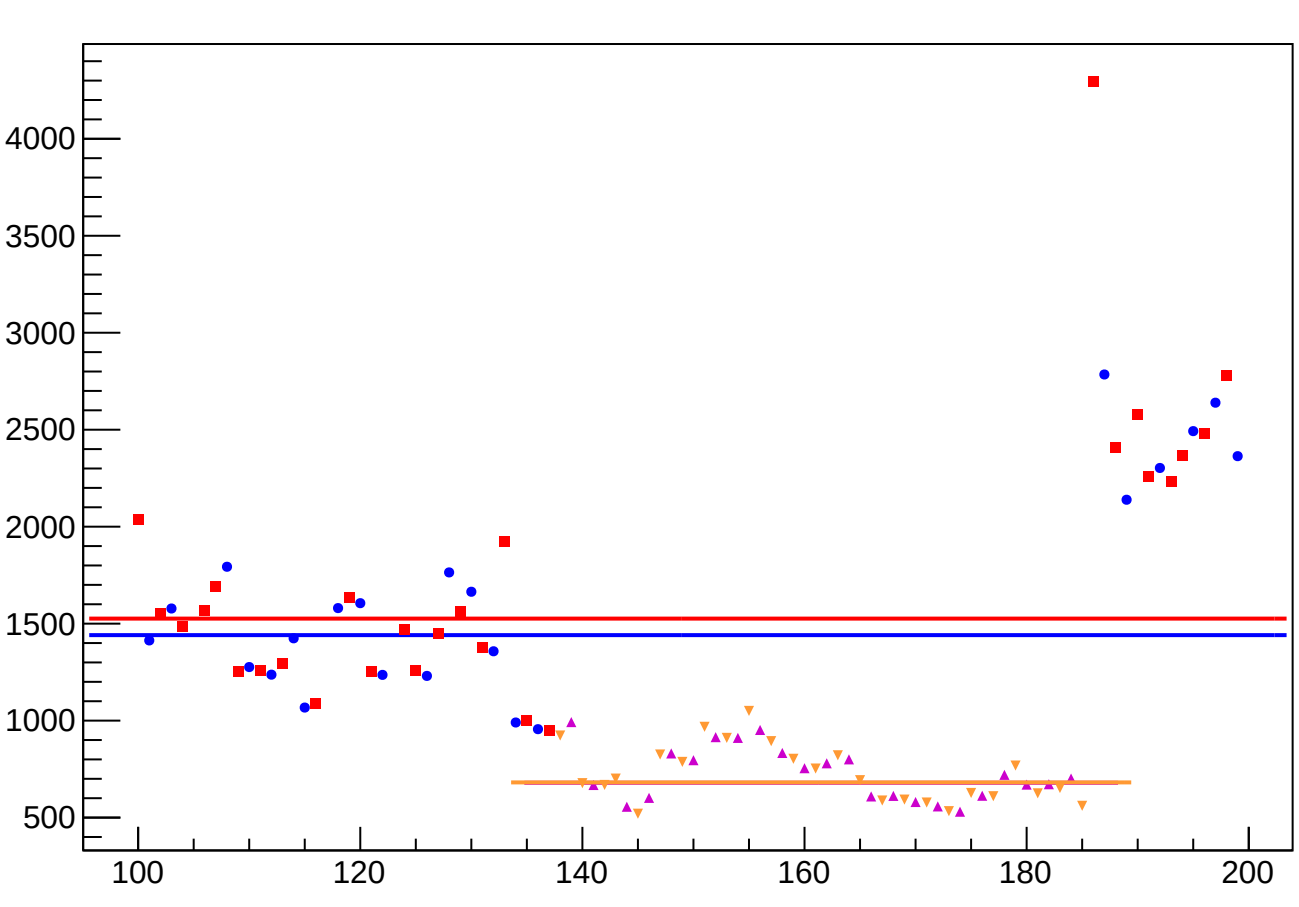
Right: 103.927+/-0.016 χ^2/NDF: 6651152.2/48

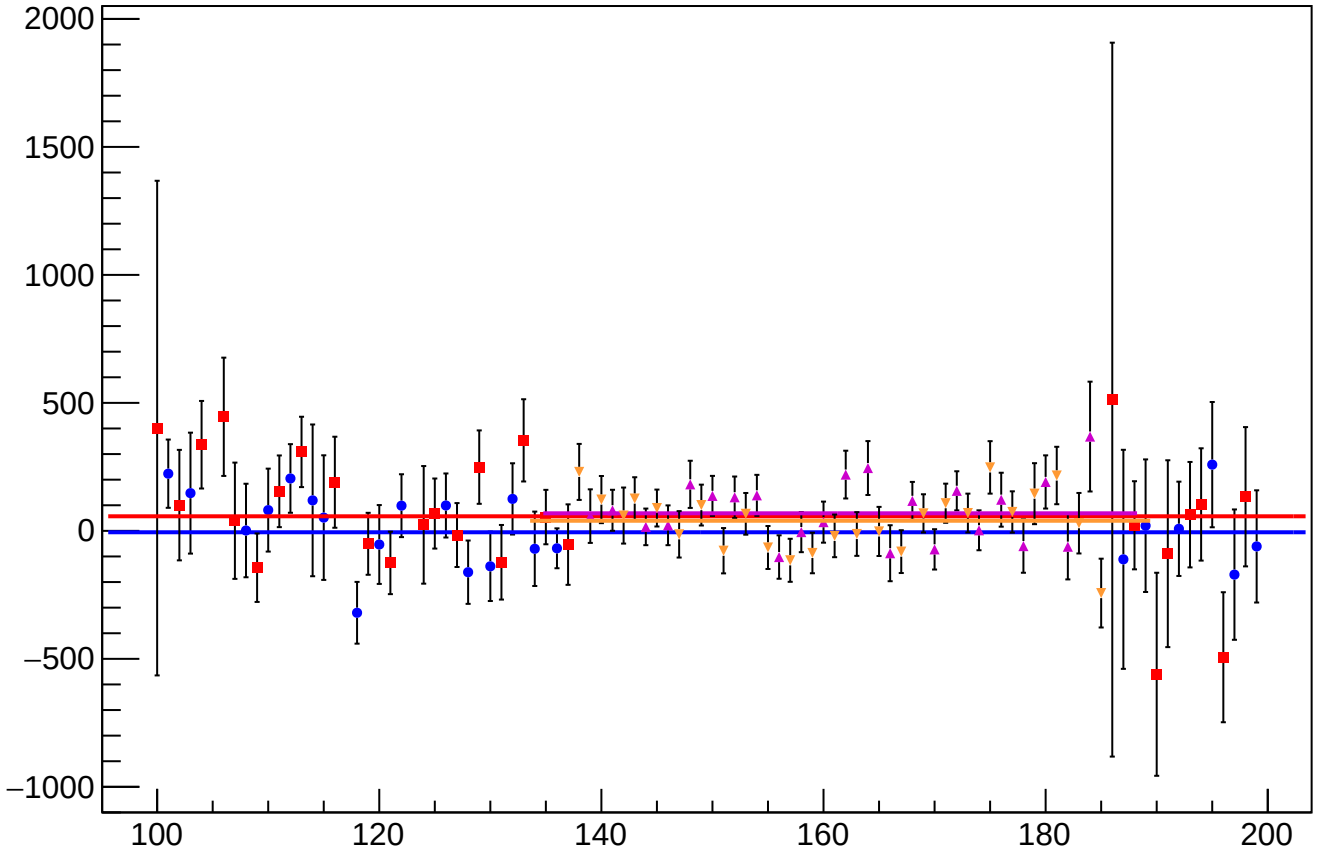
In: 83.259+/-0.011 χ^2/NDF:4354391.4/44

Out: 83.355+/-0.011 χ^2/NDF:5650576.0/51

All: 83.308+/-0.008 χ^2/NDF: 10005004.7/96


asym_sam_2468_avg_cor_correction_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
−15000
100
120
140
160
180
200
Right In: -875.781+/-448.764 χ²/NDF: 24.8/21
Left Out: -749.632+/-158.081 χ²/NDF:70.0/24
Right Out: 1148.591+/-452.144 χ²/NDF: 18.5/26
Left In: 113.799+/-161.809 χ²/NDF:25.1/22
Left: -327.978+/-113.075 χ²/NDF: 109.6/47
Right: 128.810+/-318.512 χ²/NDF: 53.4/48
In: -0.053+/-152.217 χ²/NDF:54.2/44
Out: -542.871+/-149.223 χ²/NDF:104.2/51
All: -276.851+/-106.559 χ²/NDF: 164.9/96


asym_sam_2468_avg_cor_correction_rms vs Slug, Sign Corrected
4000
3500
3000
2500
2000
1500
1000
500
100
120
140
160
180
200
Right In: 1440.832+/-0.317 χ²/NDF: 2231028.1/21
Left Out: 681.426+/-0.112 χ²/NDF:1334214.9/24
Right Out: 1526.031+/-0.320 χ²/NDF: 2500289.9/26
Left In: 679.414+/-0.114 χ²/NDF:1185265.0/22
Left: 680.443+/-0.080 χ²/NDF: 2519638.2/47
Right: 1483.112+/-0.225 χ²/NDF: 4767090.9/48
In: 767.015+/-0.108 χ²/NDF:8511480.2/44
Out: 773.424+/-0.106 χ²/NDF:10053187.5/51
All: 770.283+/-0.075 χ²/NDF: 18566475.2/96



Right In: -5.494+/-32.386 χ^2/NDF: 20.7/21

Left Out: 39.484+/-17.666 χ^2/NDF:31.9/24

Right Out: 56.931+/-32.561 χ^2/NDF: 30.5/26

Left In: 68.620+/-18.317 χ^2/NDF:29.0/22

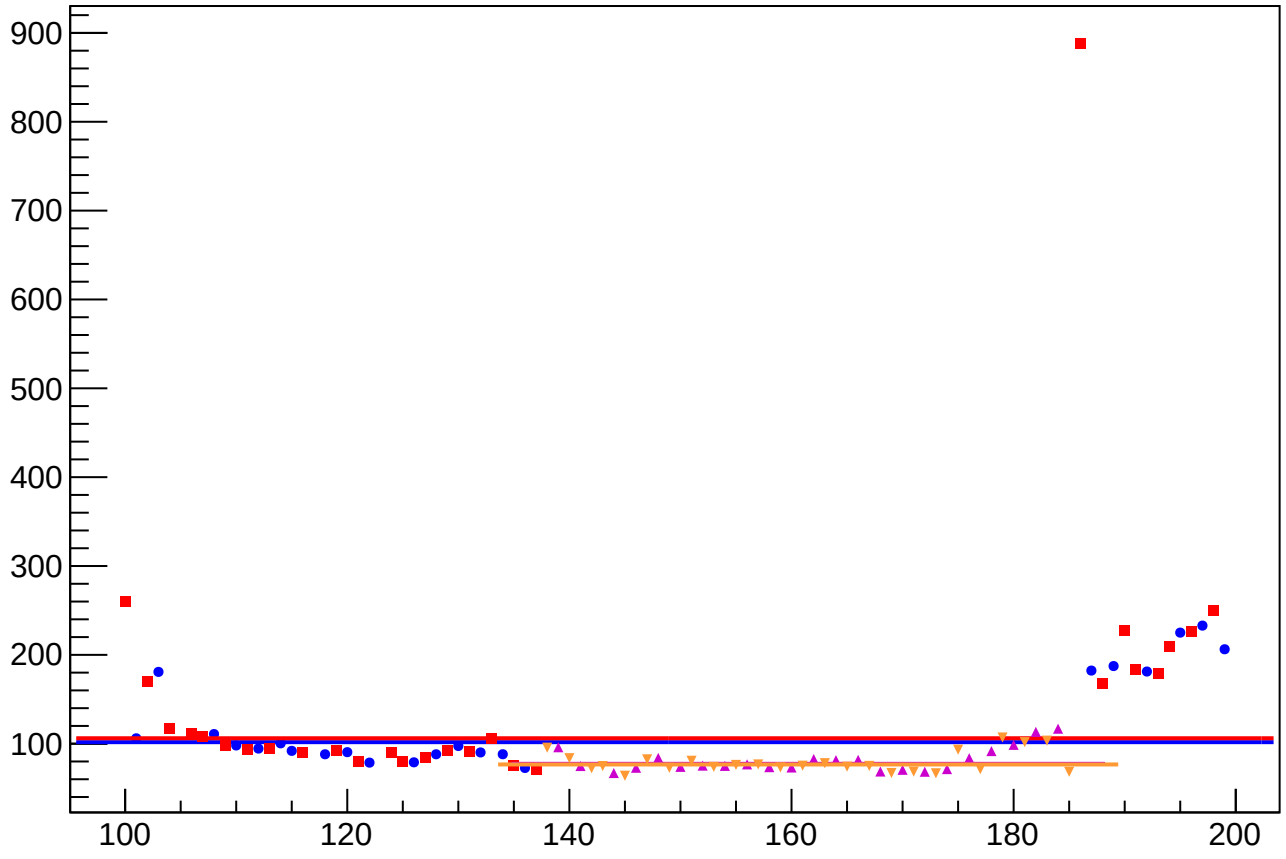
Left: 53.525+/-12.716 χ^2/NDF: 62.3/47

Right: 25.550+/-22.962 χ^2/NDF: 53.0/48

In: 50.657+/-15.944 χ^2/NDF:53.6/44

Out: 43.452+/-15.528 χ^2/NDF:62.7/51

All: 46.960+/-11.124 χ^2/NDF: 116.4/96



Right In: 101.734+/-0.023 χ^2/NDF: 2904831.4/21

Left Out: 76.646+/-0.012 χ^2/NDF:654608.7/24

Right Out: 106.144+/-0.023 χ^2/NDF: 3727881.5/26

Left In: 77.348+/-0.013 χ^2/NDF:590414.8/22

Left: 76.985+/-0.009 χ^2/NDF: 1246545.1/47

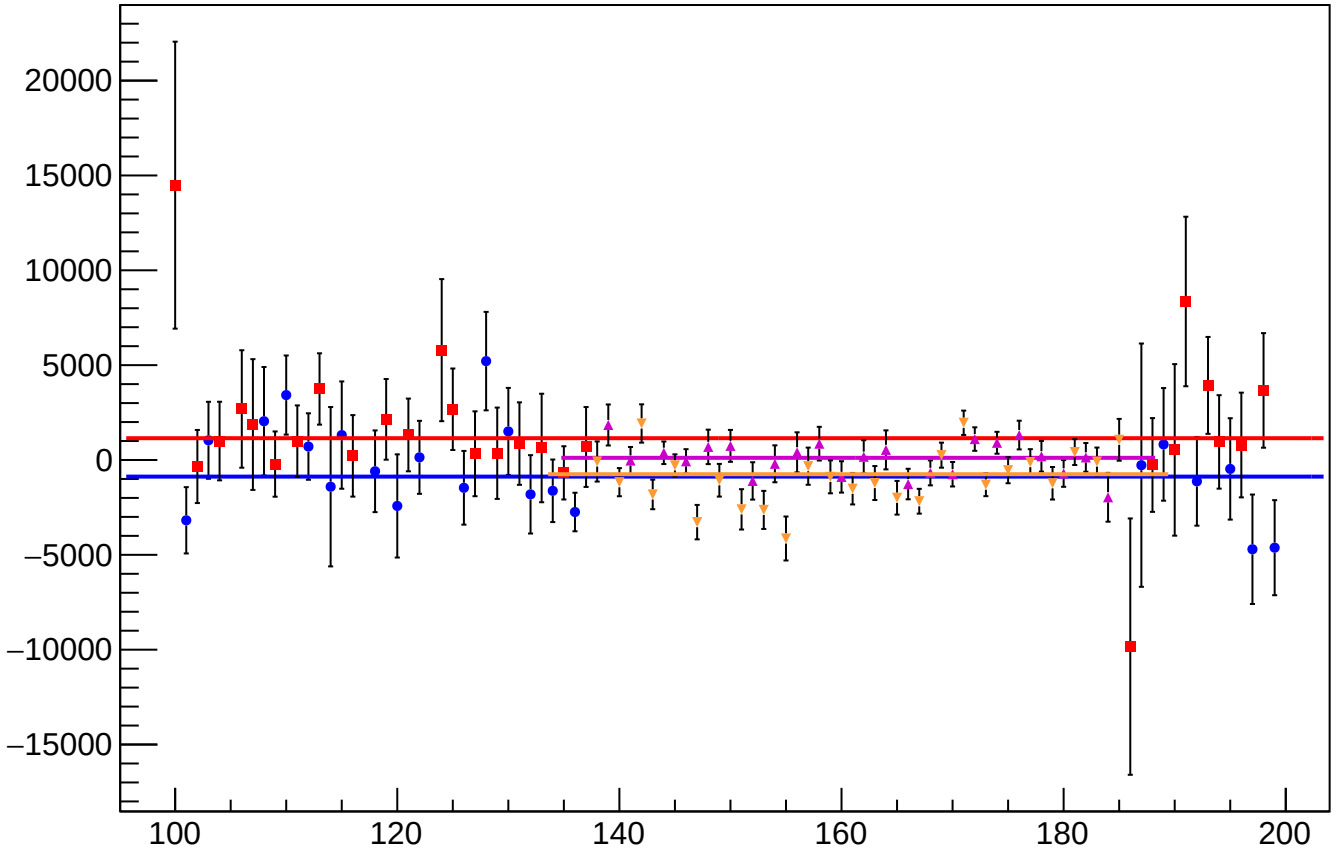
Right: 103.927+/-0.016 χ^2/NDF: 6651152.2/48

In: 83.259+/-0.011 χ^2/NDF:4354391.4/44

Out: 83.355+/-0.011 χ^2/NDF:5650576.0/51

All: 83.308+/-0.008 χ^2/NDF: 10005004.7/96

asym_sam_2468_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -875.781+/-448.764 χ^2/NDF: 24.8/21

Left Out: -749.632+/-158.081 χ^2/NDF:70.0/24

Right Out: 1148.591+/-452.144 χ^2/NDF: 18.5/26

Left In: 113.799+/-161.809 χ^2/NDF:25.1/22

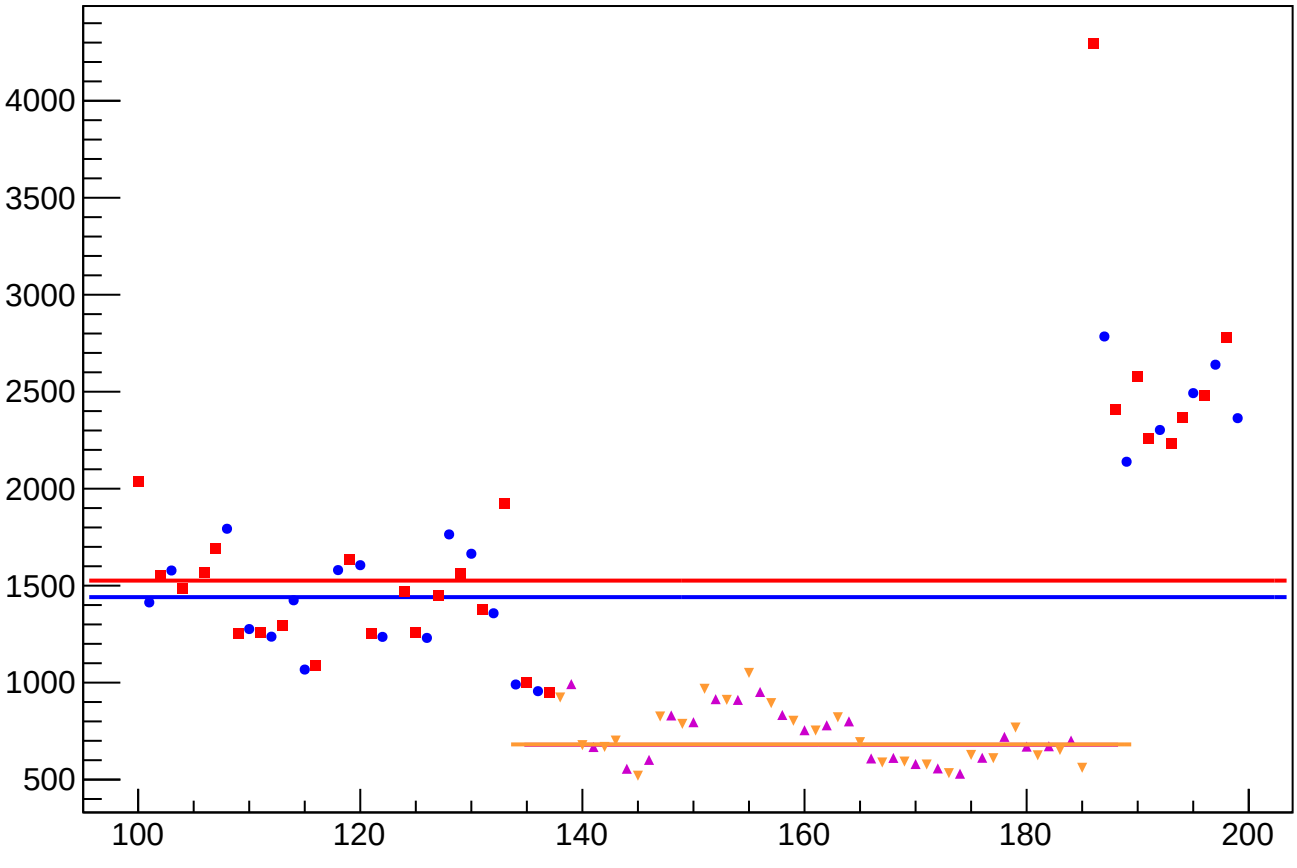
Left: -327.978+/-113.075 χ^2/NDF: 109.6/47

Right: 128.810+/-318.512 χ^2/NDF: 53.4/48

In: -0.053+/-152.217 χ^2/NDF:54.2/44

Out: -542.871+/-149.223 χ^2/NDF:104.2/51

All: -276.851+/-106.559 χ^2/NDF: 164.9/96



Right In: 1440.832+/-0.317 χ^2/NDF: 2231028.1/21

Left Out: 681.426+/-0.112 χ^2/NDF:1334214.9/24

Right Out: 1526.031+/-0.320 χ^2/NDF: 2500289.9/26

Left In: 679.414+/-0.114 χ^2/NDF:1185265.0/22

Left: 680.443+/-0.080 χ^2/NDF: 2519638.2/47

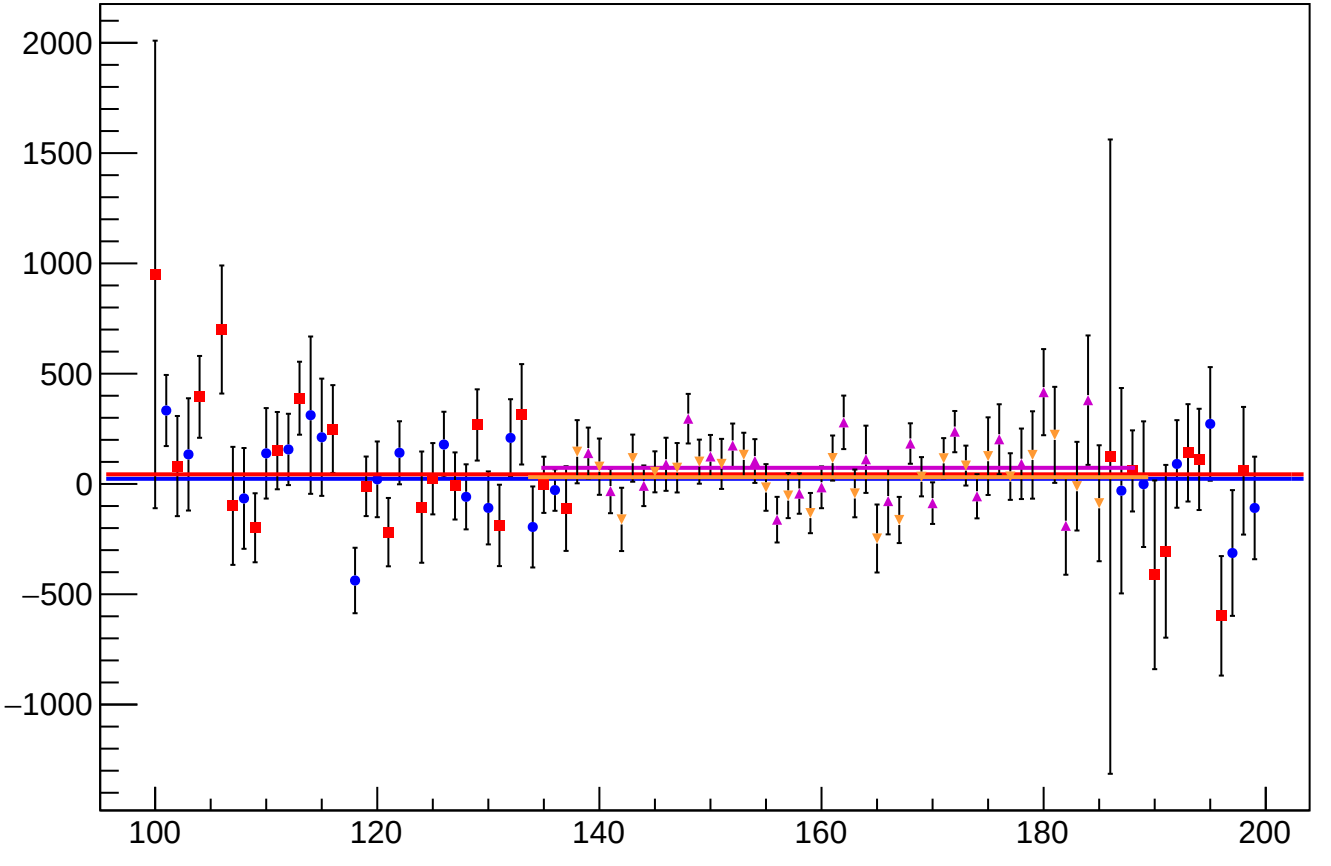
Right: 1483.112+/-0.225 χ^2/NDF: 4767090.9/48

In: 767.015+/-0.108 χ^2/NDF:8511480.2/44

Out: 773.424+/-0.106 χ^2/NDF:10053187.5/51

All: 770.283+/-0.075 χ^2/NDF: 18566475.2/96

dit_asym_sam_2468_avg_mean vs Slug, Sign Corrected



Right In: 23.405+/-38.440 χ^2/NDF: 24.2/21

Left Out: 30.684+/-22.856 χ^2/NDF:19.9/24

Right Out: 43.680+/-38.153 χ^2/NDF: 35.0/26

Left In: 73.147+/-23.510 χ^2/NDF:34.5/22

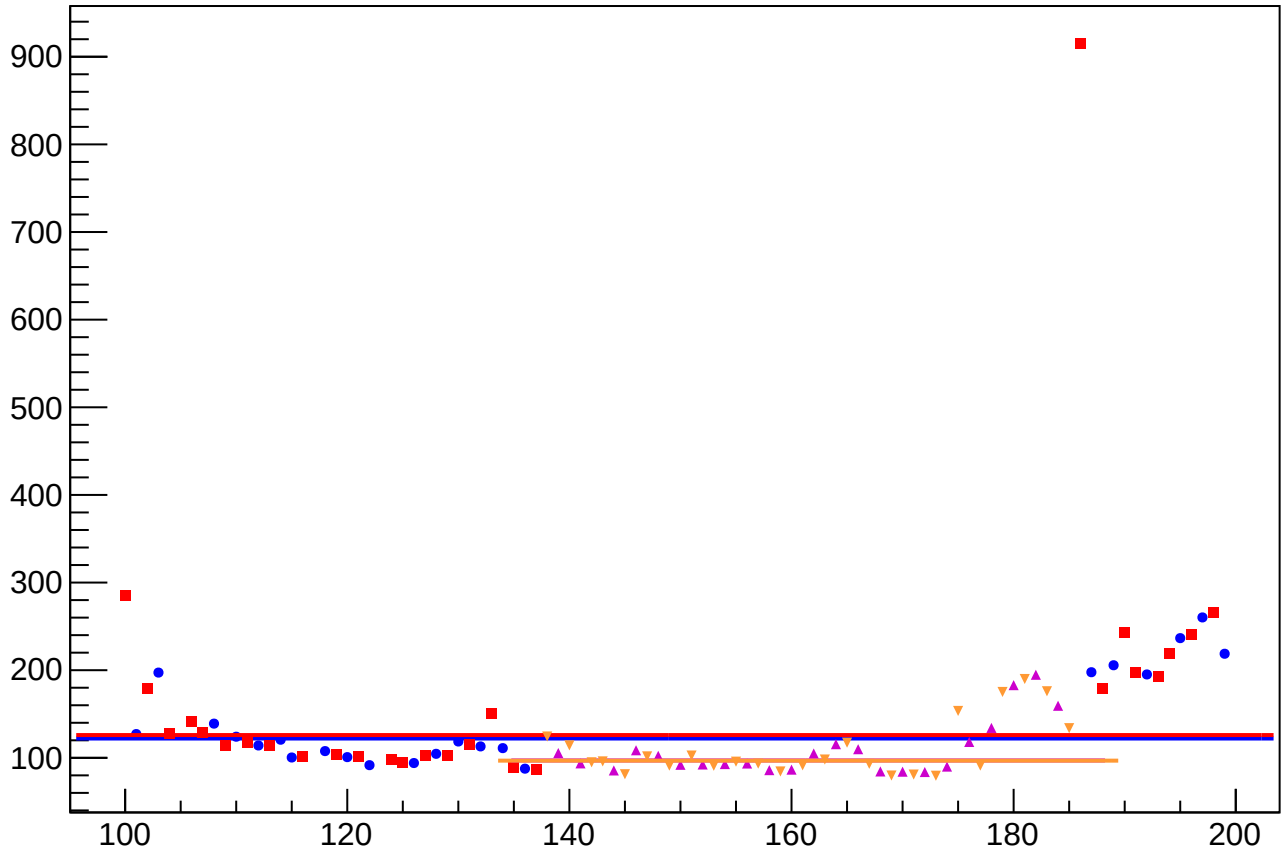
Left: 51.316+/-16.388 χ^2/NDF: 56.1/47

Right: 33.618+/-27.079 χ^2/NDF: 59.3/48

In: 59.606+/-20.057 χ^2/NDF:59.9/44

Out: 34.116+/-19.607 χ^2/NDF:55.0/51

All: 46.572+/-14.020 χ^2/NDF: 115.7/96



Right In: 122.040+/-0.027 χ^2/NDF: 2434077.6/21

Left Out: 96.794+/-0.016 χ^2/NDF:1720415.9/24

Right Out: 125.984+/-0.027 χ^2/NDF: 3116902.0/26

Left In: 97.017+/-0.017 χ^2/NDF:1321187.5/22

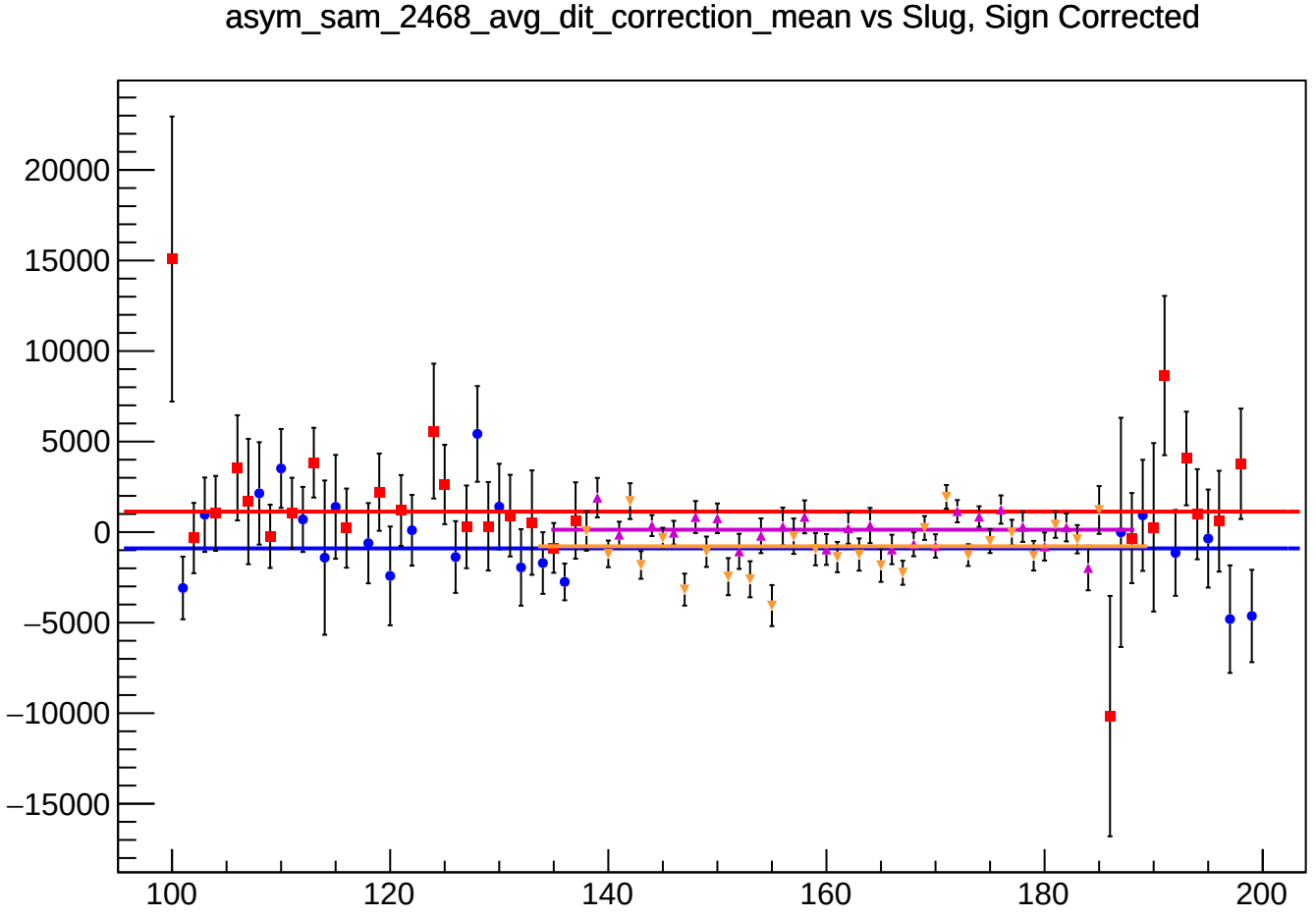
Left: 96.902+/-0.012 χ^2/NDF: 3041695.3/47

Right: 124.027+/-0.019 χ^2/NDF: 5561587.3/48

In: 103.829+/-0.014 χ^2/NDF:4372056.0/44

Out: 104.503+/-0.014 χ^2/NDF:5698809.0/51

All: 104.174+/-0.010 χ^2/NDF: 10072021.1/96



Right In: -900.227+/-455.346 χ^2/NDF: 24.5/21

Left Out: -783.756+/-158.329 χ^2/NDF:66.3/24

Right Out: 1132.810+/-456.071 χ^2/NDF: 20.1/26

Left In: 131.380+/-162.409 χ^2/NDF:24.3/22

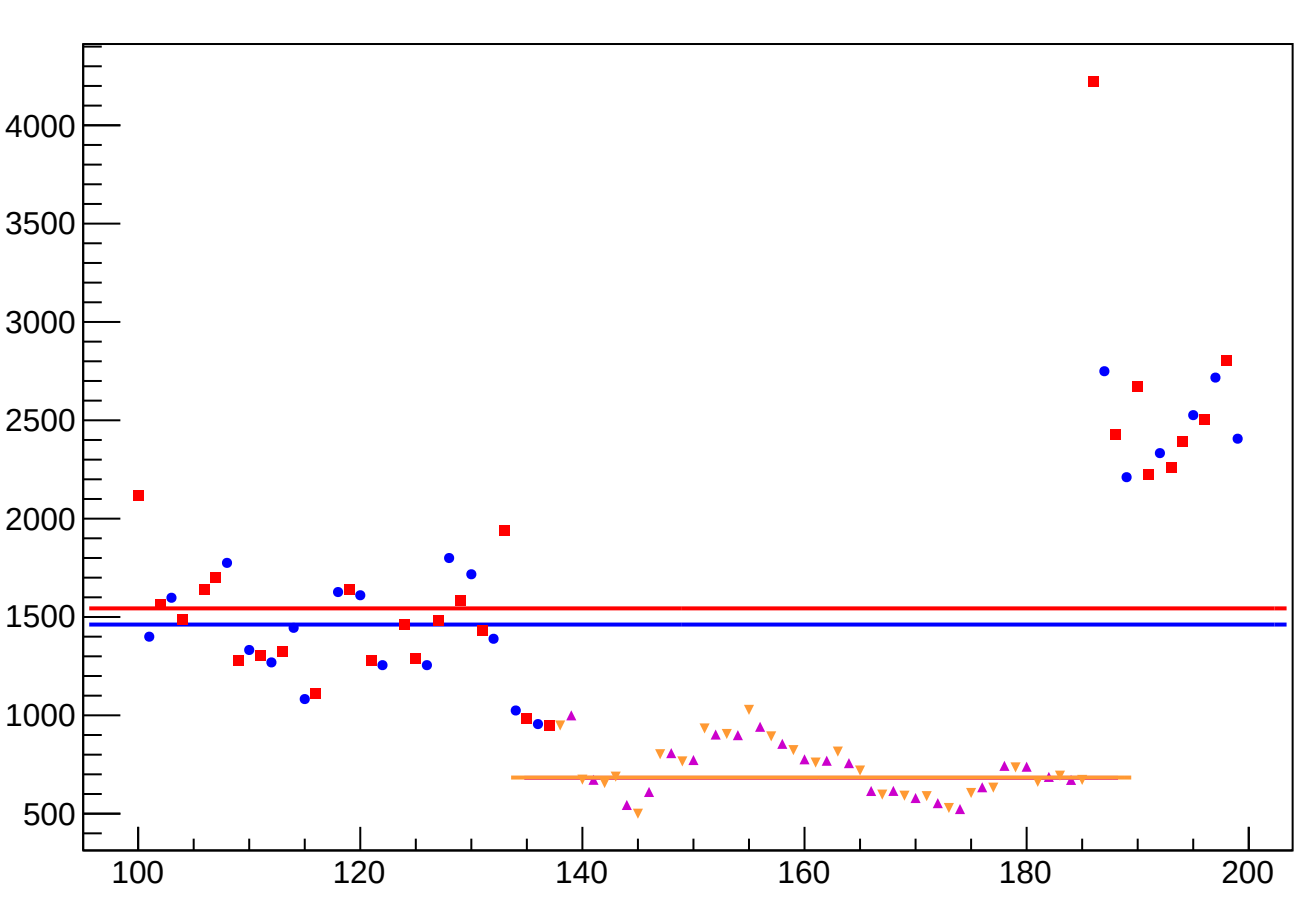
Left: -337.829+/-113.371 χ^2/NDF: 106.9/47

Right: 114.674+/-322.234 χ^2/NDF: 54.6/48

In: 14.955+/-152.971 χ^2/NDF:53.4/44

Out: -577.617+/-149.572 χ^2/NDF:102.2/51

All: -287.987+/-106.945 χ^2/NDF: 163.2/96



Right In: 1461.504+/-0.322 χ^2/NDF: 2263432.8/21

Left Out: 683.698+/-0.112 χ^2/NDF:1297969.4/24

Right Out: 1543.758+/-0.322 χ^2/NDF: 2516118.5/26

Left In: 681.961+/-0.115 χ^2/NDF:1186135.0/22

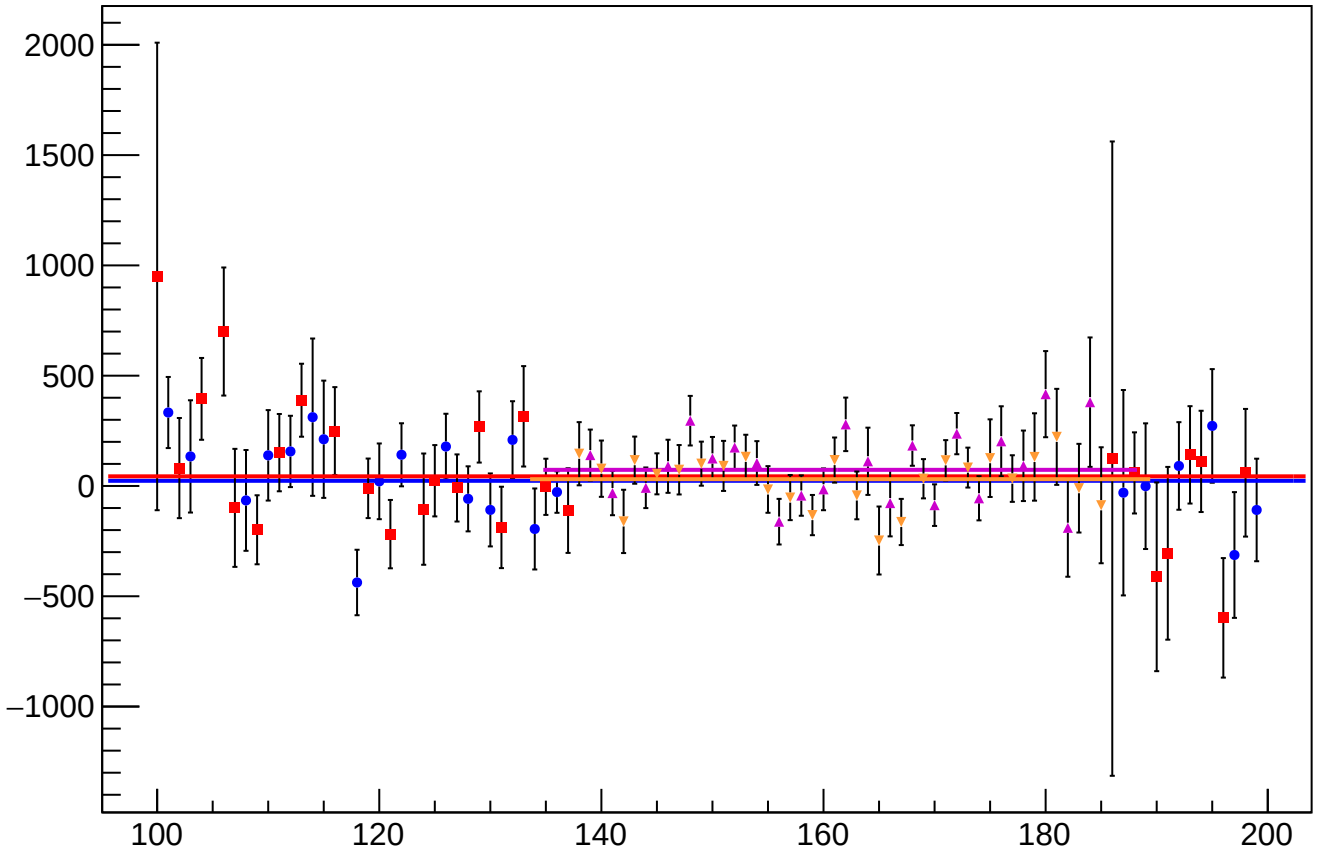
Left: 682.852+/-0.080 χ^2/NDF: 2484221.6/47

Right: 1502.566+/-0.228 χ^2/NDF: 4812130.8/48

In: 769.939+/-0.108 χ^2/NDF:8649764.0/44

Out: 776.203+/-0.106 χ^2/NDF:10161609.5/51

All: 773.141+/-0.076 χ^2/NDF: 18813087.7/96



Right In: 23.406+/-38.440 χ^2/NDF: 24.2/21

Left Out: 30.684+/-22.856 χ^2/NDF:19.9/24

Right Out: 43.678+/-38.153 χ^2/NDF: 35.0/26

Left In: 73.146+/-23.510 χ^2/NDF:34.5/22

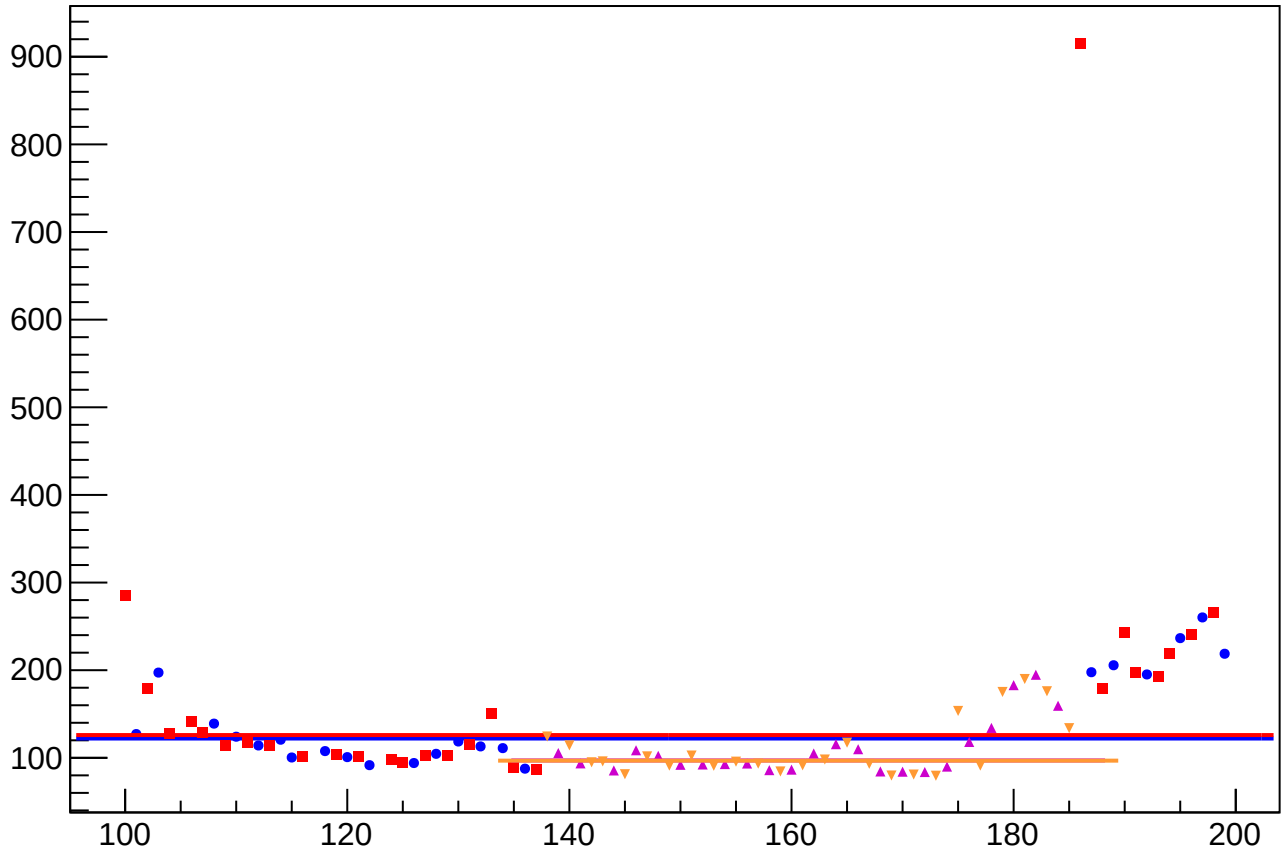
Left: 51.316+/-16.388 χ^2/NDF: 56.1/47

Right: 33.618+/-27.079 χ^2/NDF: 59.3/48

In: 59.605+/-20.057 χ^2/NDF:59.9/44

Out: 34.116+/-19.607 χ^2/NDF:55.0/51

All: 46.572+/-14.020 χ^2/NDF: 115.7/96



Right In: 122.039+/-0.027 χ^2/NDF: 2434087.1/21

Left Out: 96.795+/-0.016 χ^2/NDF:1720415.9/24

Right Out: 125.983+/-0.027 χ^2/NDF: 3116921.0/26

Left In: 97.017+/-0.017 χ^2/NDF:1321171.2/22

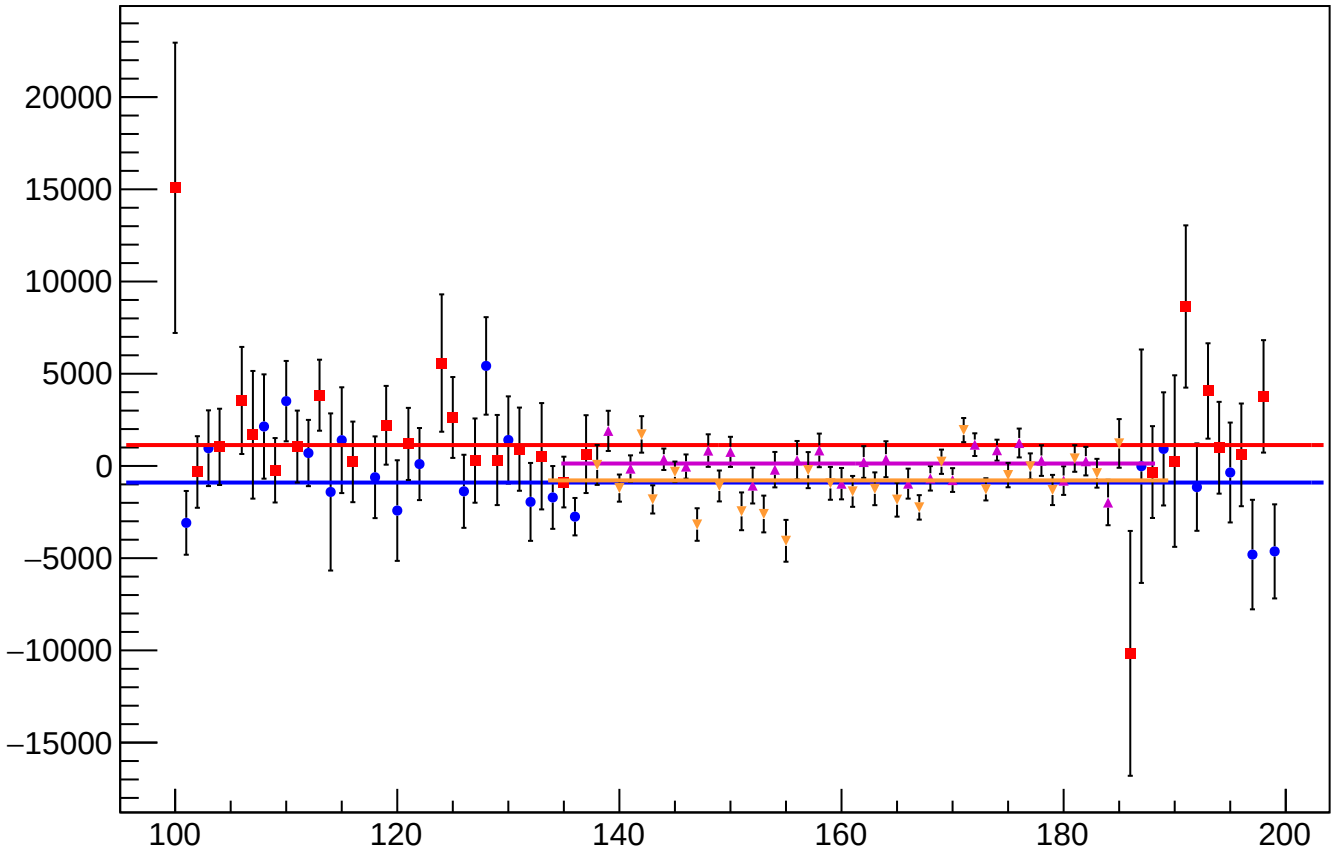
Left: 96.903+/-0.012 χ^2/NDF: 3041679.0/47

Right: 124.026+/-0.019 χ^2/NDF: 5561616.6/48

In: 103.829+/-0.014 χ^2/NDF:4371997.7/44

Out: 104.503+/-0.014 χ^2/NDF:5698774.1/51

All: 104.174+/-0.010 χ^2/NDF: 10071928.0/96



Right In: -900.221+/-455.345 χ^2/NDF: 24.5/21

Left Out: -783.754+/-158.328 χ^2/NDF:66.3/24

Right Out: 1132.809+/-456.070 χ^2/NDF: 20.1/26

Left In: 131.379+/-162.409 χ^2/NDF:24.3/22

Left: -337.829+/-113.370 χ^2/NDF: 106.9/47

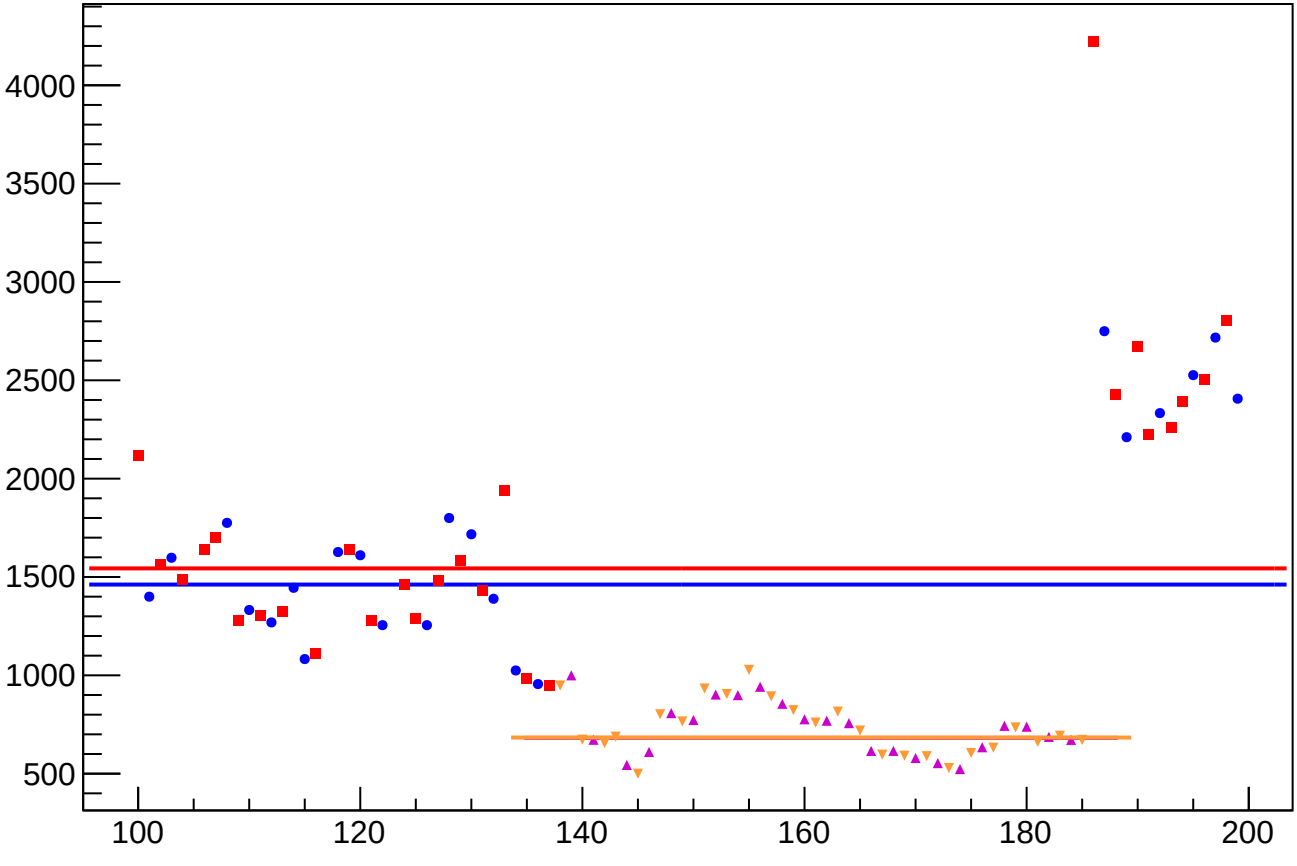
Right: 114.676+/-322.233 χ^2/NDF: 54.6/48

In: 14.955+/-152.970 χ^2/NDF:53.4/44

Out: -577.616+/-149.572 χ^2/NDF:102.2/51

All: -287.986+/-106.944 χ^2/NDF: 163.2/96

asym_sam_2468_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1461.501+/-0.322 χ^2/NDF: 2263436.6/21

Left Out: 683.696+/-0.112 χ^2/NDF:1297975.5/24

Right Out: 1543.755+/-0.322 χ^2/NDF: 2516125.1/26

Left In: 681.960+/-0.115 χ^2/NDF:1186136.6/22

Left: 682.850+/-0.080 χ^2/NDF: 2484229.4/47

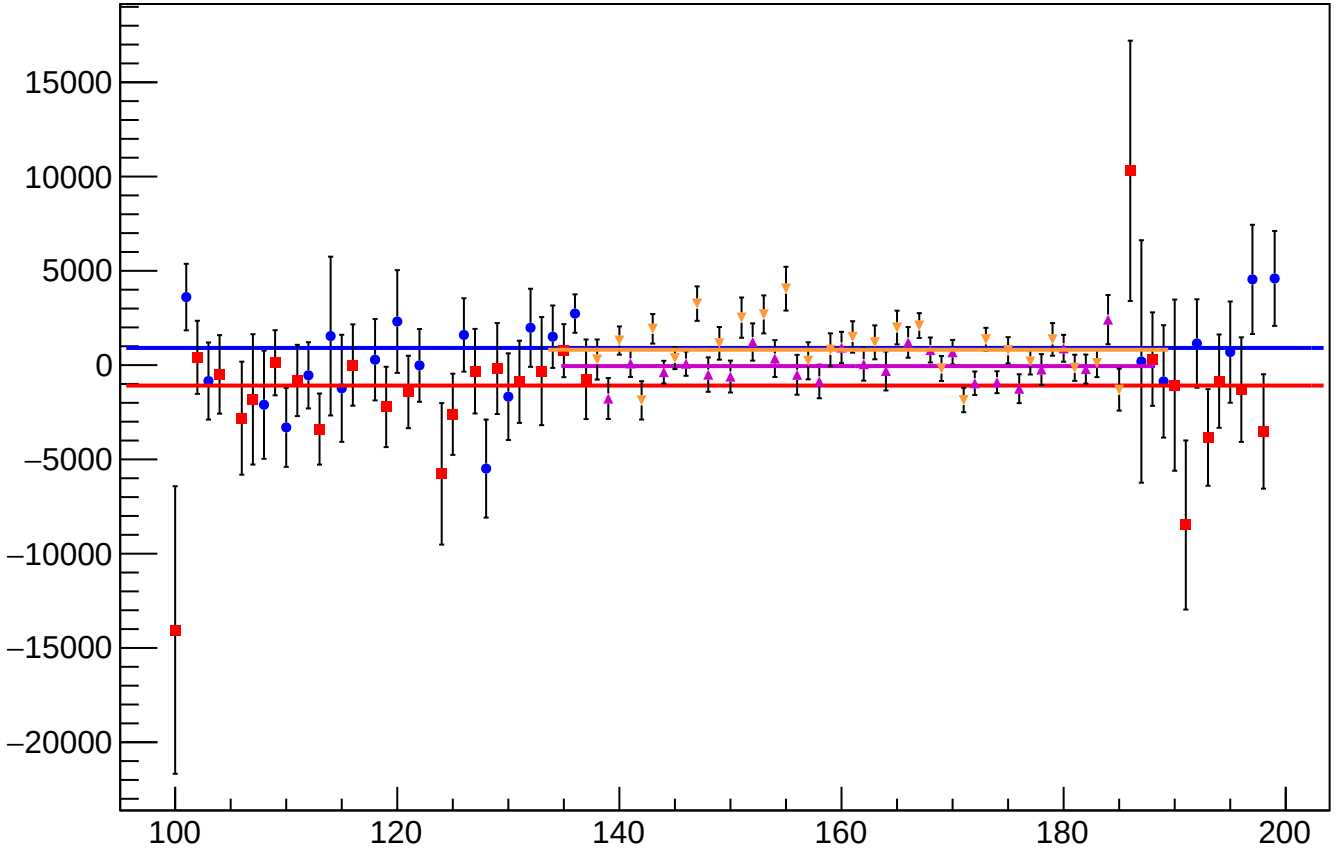
Right: 1502.562+/-0.228 χ^2/NDF: 4812141.0/48

In: 769.937+/-0.108 χ^2/NDF:8649768.9/44

Out: 776.201+/-0.106 χ^2/NDF:10161620.0/51

All: 773.140+/-0.076 χ^2/NDF: 18813103.1/96

asym_sam_2468_avg_mean vs Slug, Sign Corrected



Right In: 910.922+/-450.400 χ^2/NDF: 25.2/21

Left Out: 814.067+/-159.256 χ^2/NDF:65.8/24

Right Out: -1084.359+/-453.250 χ^2/NDF: 18.2/26

Left In: -52.290+/-163.036 χ^2/NDF:25.4/22

Left: 391.048+/-113.924 χ^2/NDF: 105.6/47

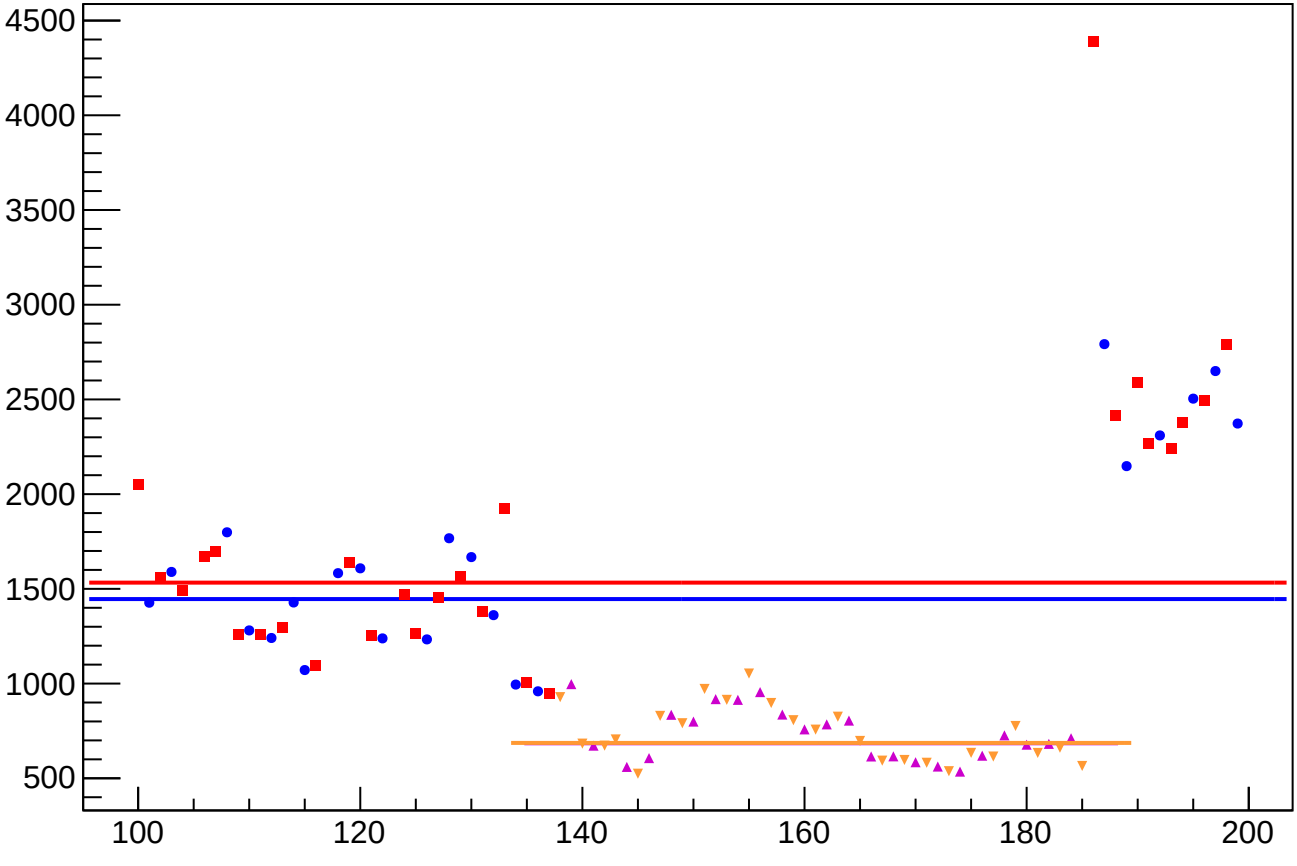
Right: -80.427+/-319.484 χ^2/NDF: 53.2/48

In: 59.298+/-153.301 χ^2/NDF:54.7/44

Out: 605.448+/-150.251 χ^2/NDF:99.6/51

All: 337.861+/-107.306 χ^2/NDF: 160.8/96

asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 1446.097+/-0.318 χ^2/NDF: 2231968.2/21

Left Out: 686.700+/-0.113 χ^2/NDF:1312231.8/24

Right Out: 1532.877+/-0.320 χ^2/NDF: 2515007.3/26

Left In: 684.763+/-0.115 χ^2/NDF:1165205.5/22

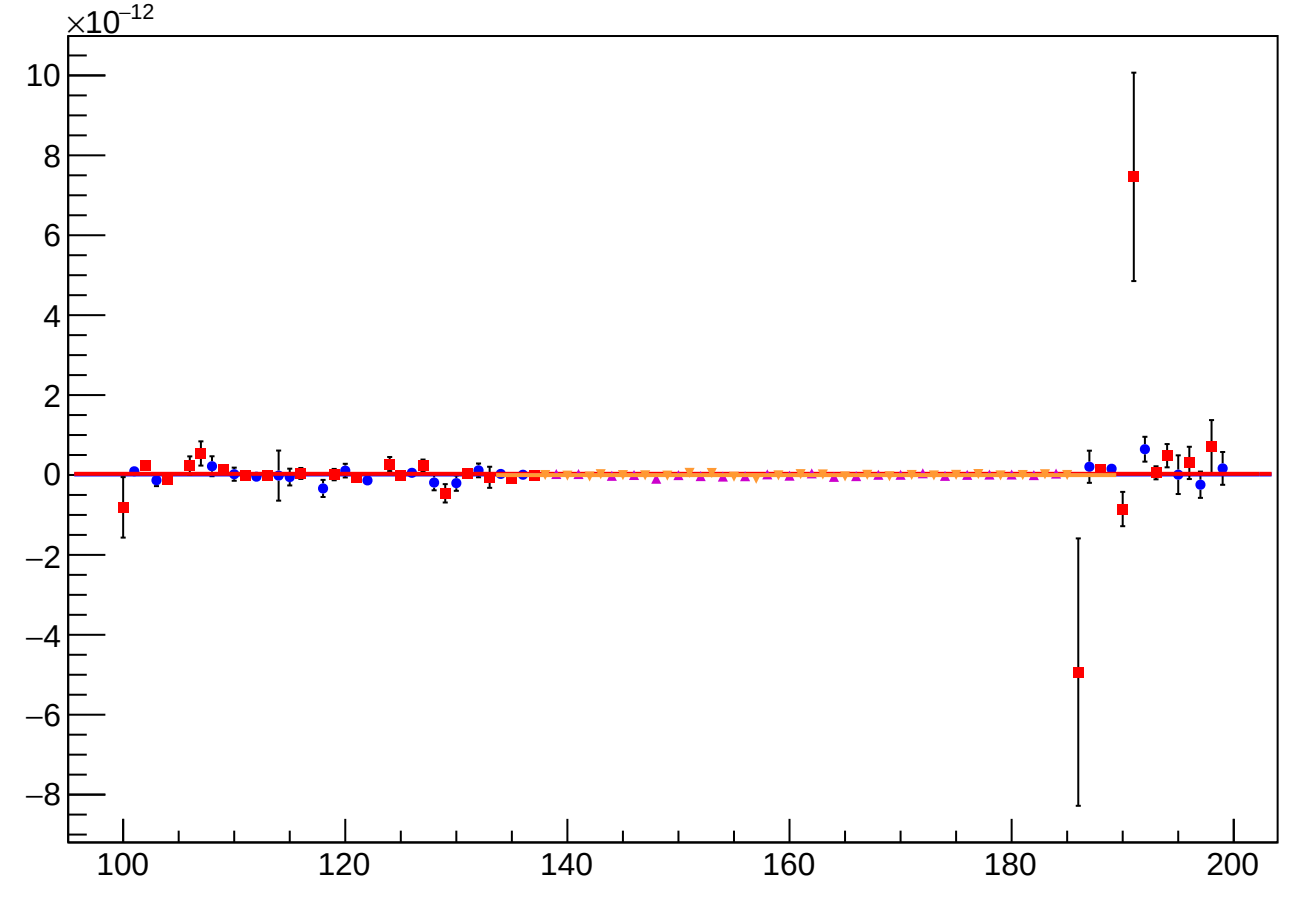
Left: 685.754+/-0.081 χ^2/NDF: 2477581.6/47

Right: 1489.213+/-0.226 χ^2/NDF: 4783865.0/48

In: 772.964+/-0.108 χ^2/NDF:8449703.4/44

Out: 779.687+/-0.106 χ^2/NDF:10031947.3/51

All: 776.393+/-0.076 χ^2/NDF: 18483612.6/96



Right In: 0.000+/-0.000 χ^2/NDF: 18.1/21

Left Out: -0.000+/-0.000 χ^2/NDF:16.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 43.9/26

Left In: -0.000+/-0.000 χ^2/NDF:20.5/22

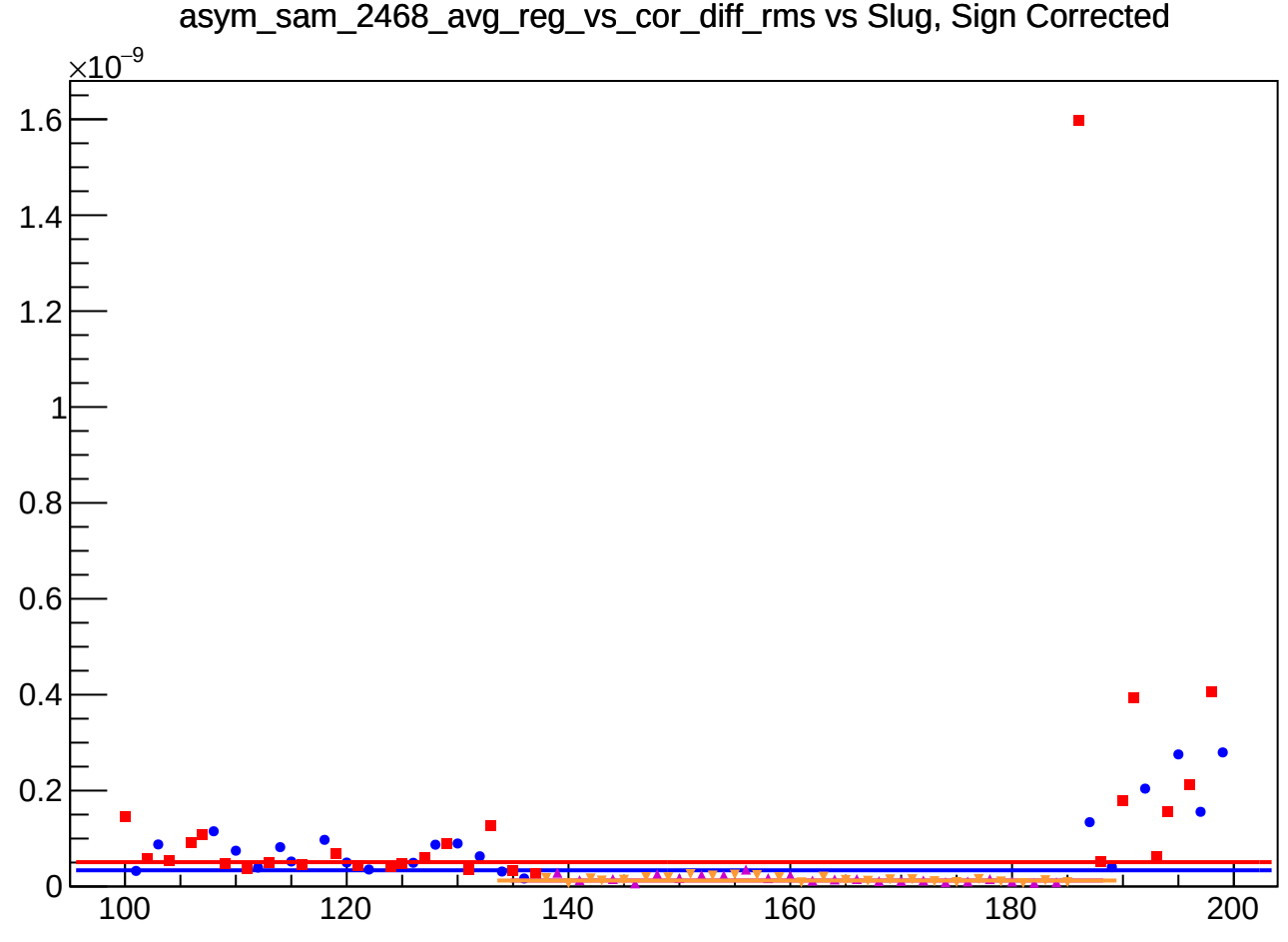
Left: -0.000+/-0.000 χ^2/NDF: 37.1/47

Right: 0.000+/-0.000 χ^2/NDF: 62.3/48

In: 0.000+/-0.000 χ^2/NDF:39.0/44

Out: -0.000+/-0.000 χ^2/NDF:61.8/51

All: -0.000+/-0.000 χ^2/NDF: 100.9/96



Right In: 0.000+/-0.000 χ^2/NDF: 4170998.0/21

Left Out: 0.000+/-0.000 χ^2/NDF:1742020.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2544547.6/26

Left In: 0.000+/-0.000 χ^2/NDF:1961578.1/22

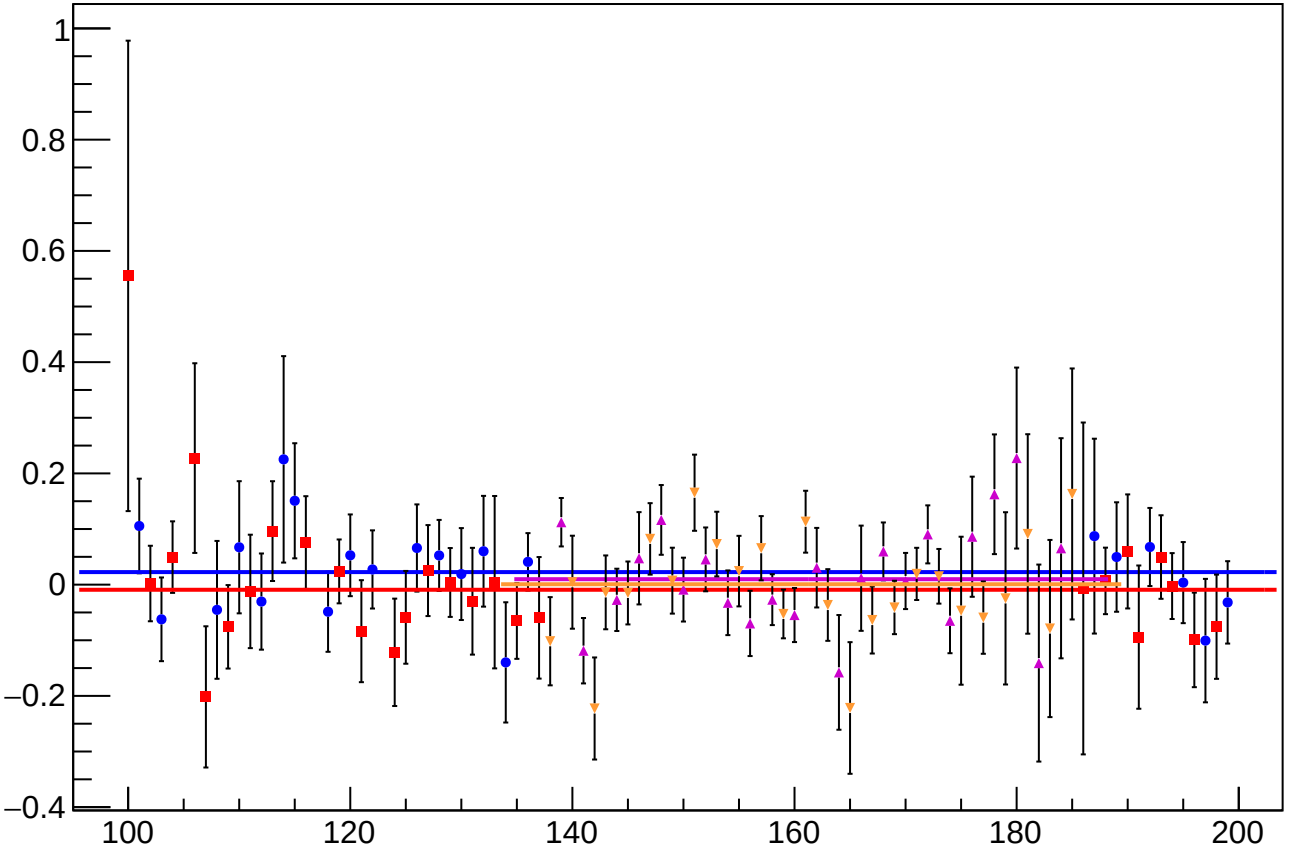
Left: 0.000+/-0.000 χ^2/NDF: 3704338.4/47

Right: 0.000+/-0.000 χ^2/NDF: 7210650.9/48

In: 0.000+/-0.000 χ^2/NDF:8029435.7/44

Out: 0.000+/-0.000 χ^2/NDF:8217551.2/51

All: 0.000+/-0.000 χ^2/NDF: 16247139.8/96



Right In: 0.023+/-0.018 χ^2/NDF: 12.4/21

Left Out: 0.001+/-0.013 χ^2/NDF:31.7/24

Right Out: -0.009+/-0.016 χ^2/NDF: 17.2/26

Left In: 0.010+/-0.013 χ^2/NDF:31.9/22

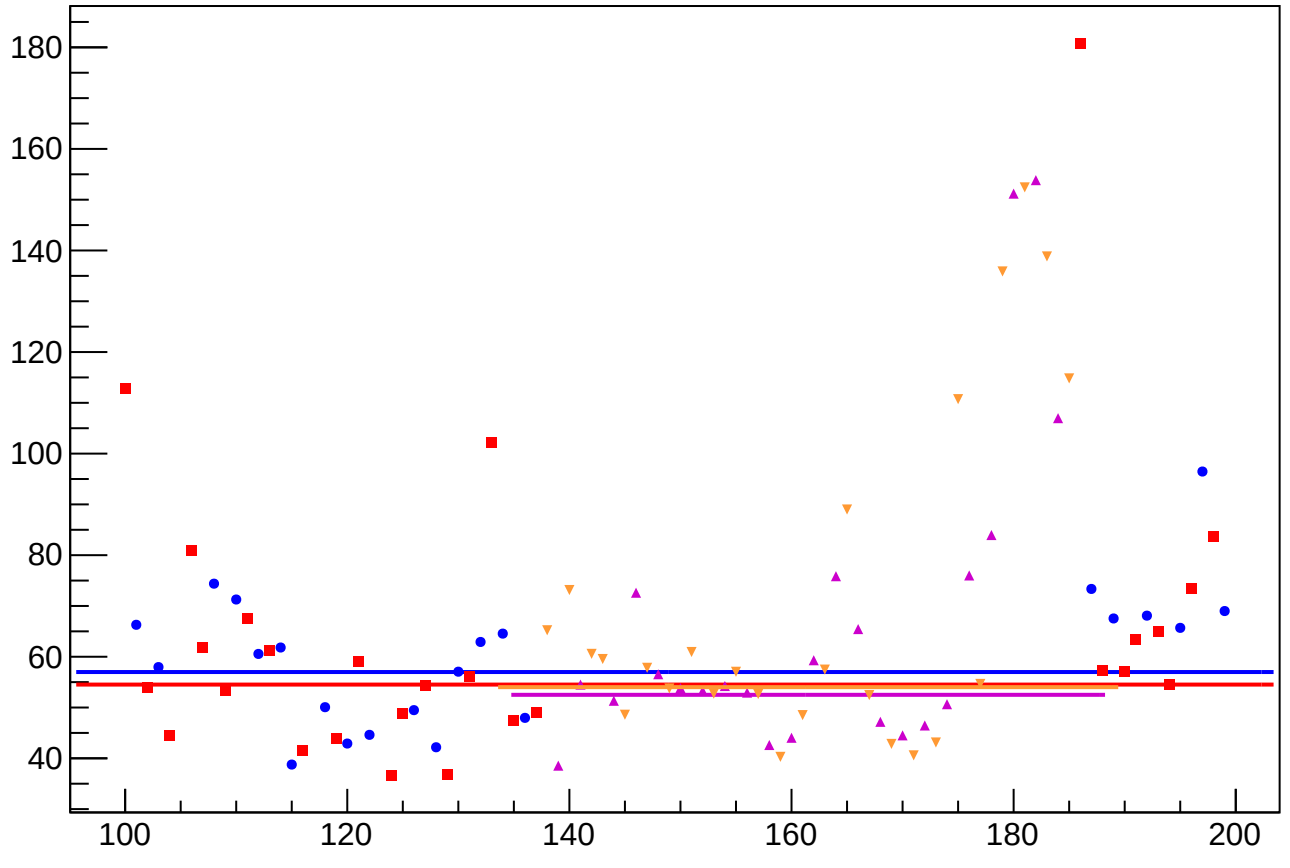
Left: 0.005+/-0.009 χ^2/NDF: 63.8/47

Right: 0.005+/-0.012 χ^2/NDF: 31.3/48

In: 0.014+/-0.011 χ^2/NDF:44.7/44

Out: -0.003+/-0.010 χ^2/NDF:49.1/51

All: 0.005+/-0.007 χ^2/NDF: 95.2/96



Right In: 56.990+/-0.013 χ^2/NDF: 941684.3/21

Left Out: 54.014+/-0.009 χ^2/NDF:3227550.5/24

Right Out: 54.519+/-0.011 χ^2/NDF: 1469996.7/26

Left In: 52.502+/-0.009 χ^2/NDF:2557763.5/22

Left: 53.257+/-0.007 χ^2/NDF: 5798378.9/47

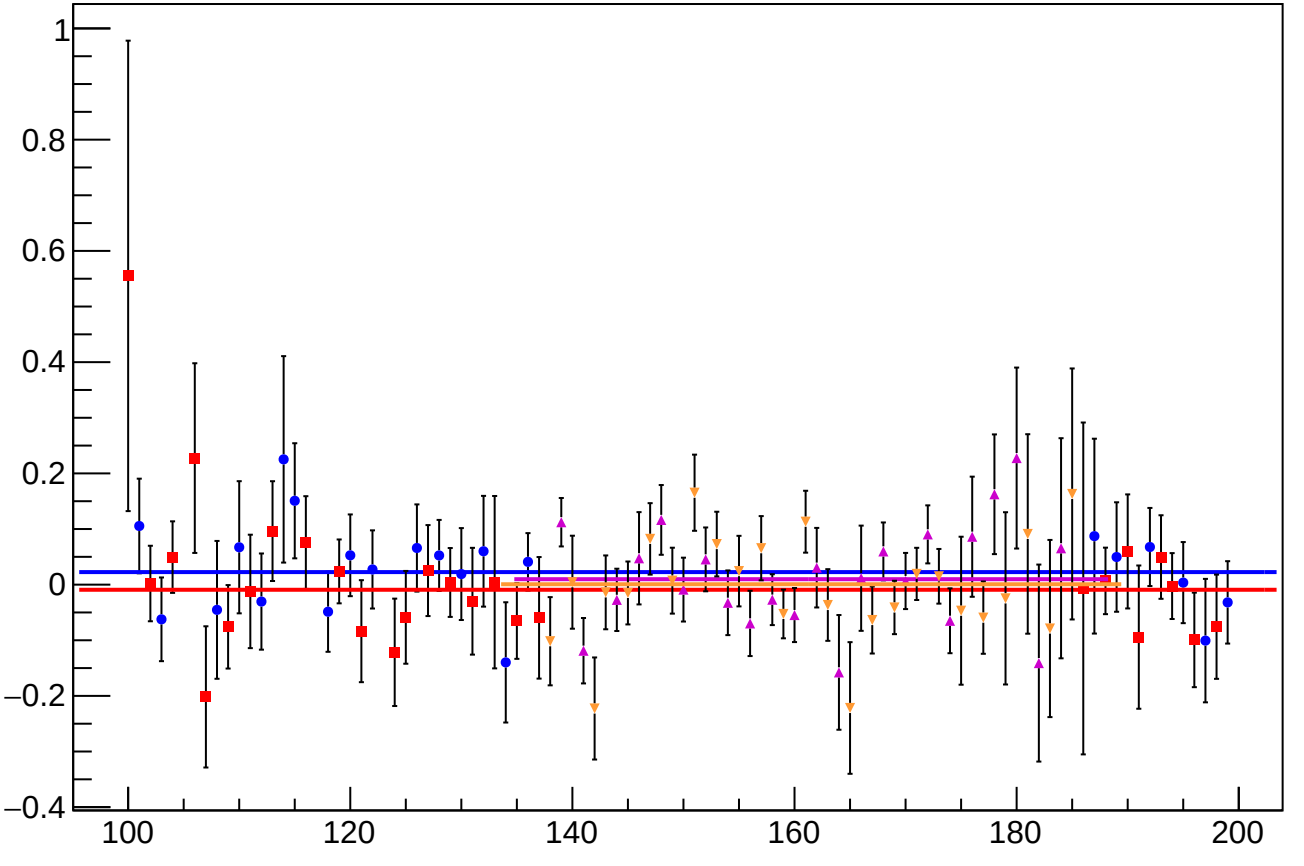
Right: 55.647+/-0.008 χ^2/NDF: 2432864.1/48

In: 54.109+/-0.007 χ^2/NDF:3582000.5/44

Out: 54.216+/-0.007 χ^2/NDF:4698708.1/51

All: 54.164+/-0.005 χ^2/NDF: 8280812.3/96

asym_sam_2468_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.023+/-0.018 χ^2/NDF: 12.4/21

Left Out: 0.001+/-0.013 χ^2/NDF:31.7/24

Right Out: -0.009+/-0.016 χ^2/NDF: 17.2/26

Left In: 0.010+/-0.013 χ^2/NDF:31.9/22

Left: 0.005+/-0.009 χ^2/NDF: 63.8/47

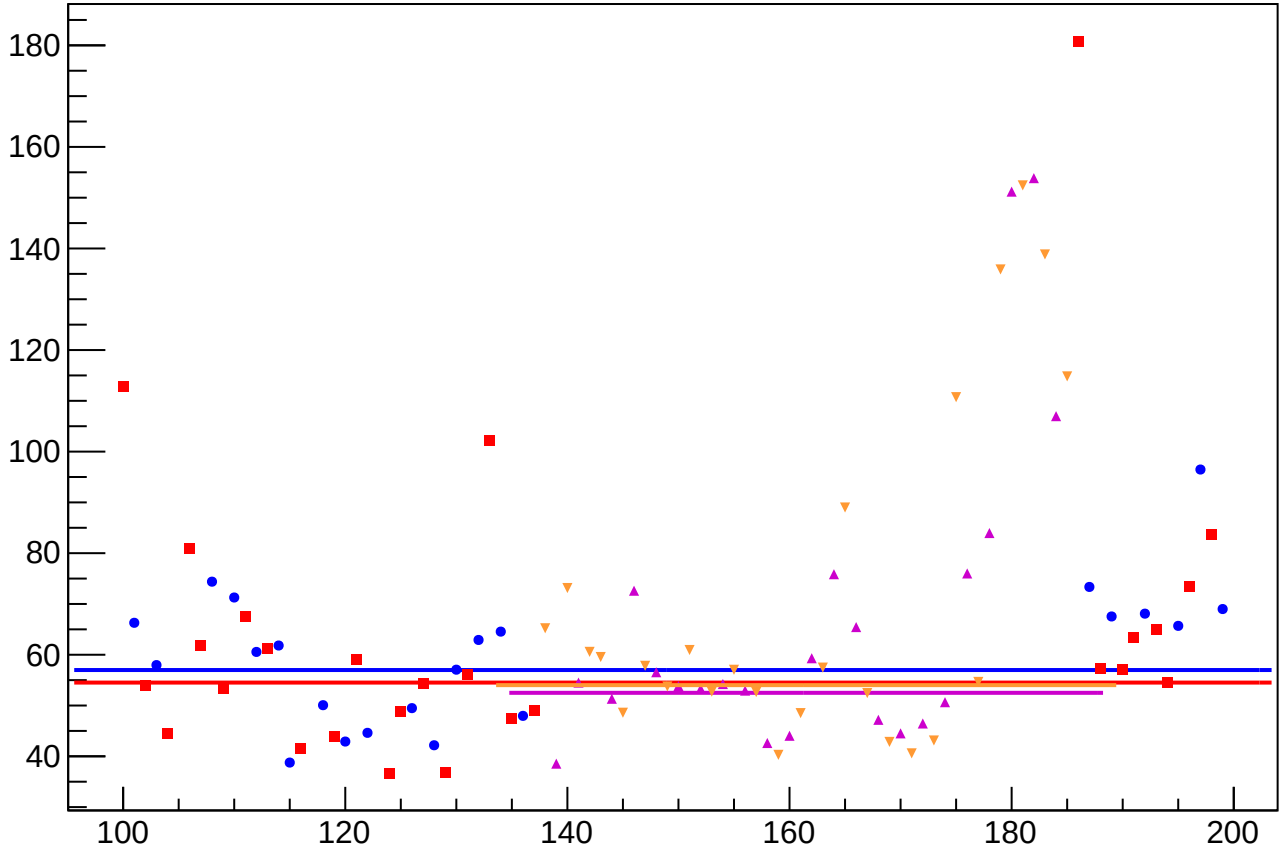
Right: 0.005+/-0.012 χ^2/NDF: 31.3/48

In: 0.014+/-0.011 χ^2/NDF:44.7/44

Out: -0.003+/-0.010 χ^2/NDF:49.1/51

All: 0.005+/-0.007 χ^2/NDF: 95.2/96

asym_sam_2468_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 56.990+/-0.013 χ^2/NDF: 941684.3/21

Left Out: 54.014+/-0.009 χ^2/NDF:3227550.5/24

Right Out: 54.519+/-0.011 χ^2/NDF: 1469996.7/26

Left In: 52.502+/-0.009 χ^2/NDF:2557763.5/22

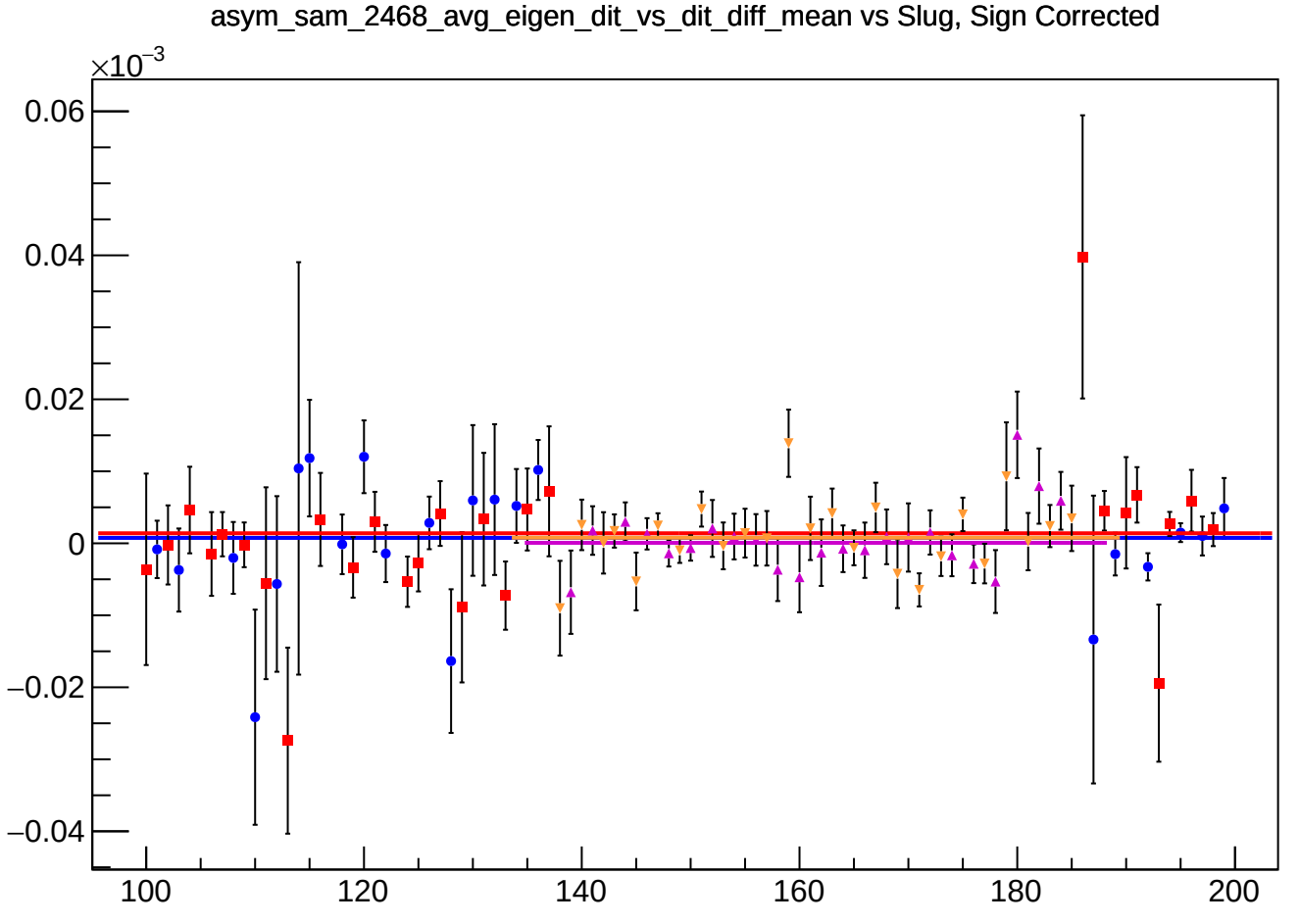
Left: 53.257+/-0.007 χ^2/NDF: 5798378.9/47

Right: 55.647+/-0.008 χ^2/NDF: 2432864.1/48

In: 54.109+/-0.007 χ^2/NDF:3582000.5/44

Out: 54.216+/-0.007 χ^2/NDF:4698708.1/51

All: 54.164+/-0.005 χ^2/NDF: 8280812.3/96



Right In: 0.000+/-0.000 χ^2/NDF: 27.9/21

Left Out: 0.000+/-0.000 χ^2/NDF:38.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 30.6/26

Left In: 0.000+/-0.000 χ^2/NDF:20.2/22

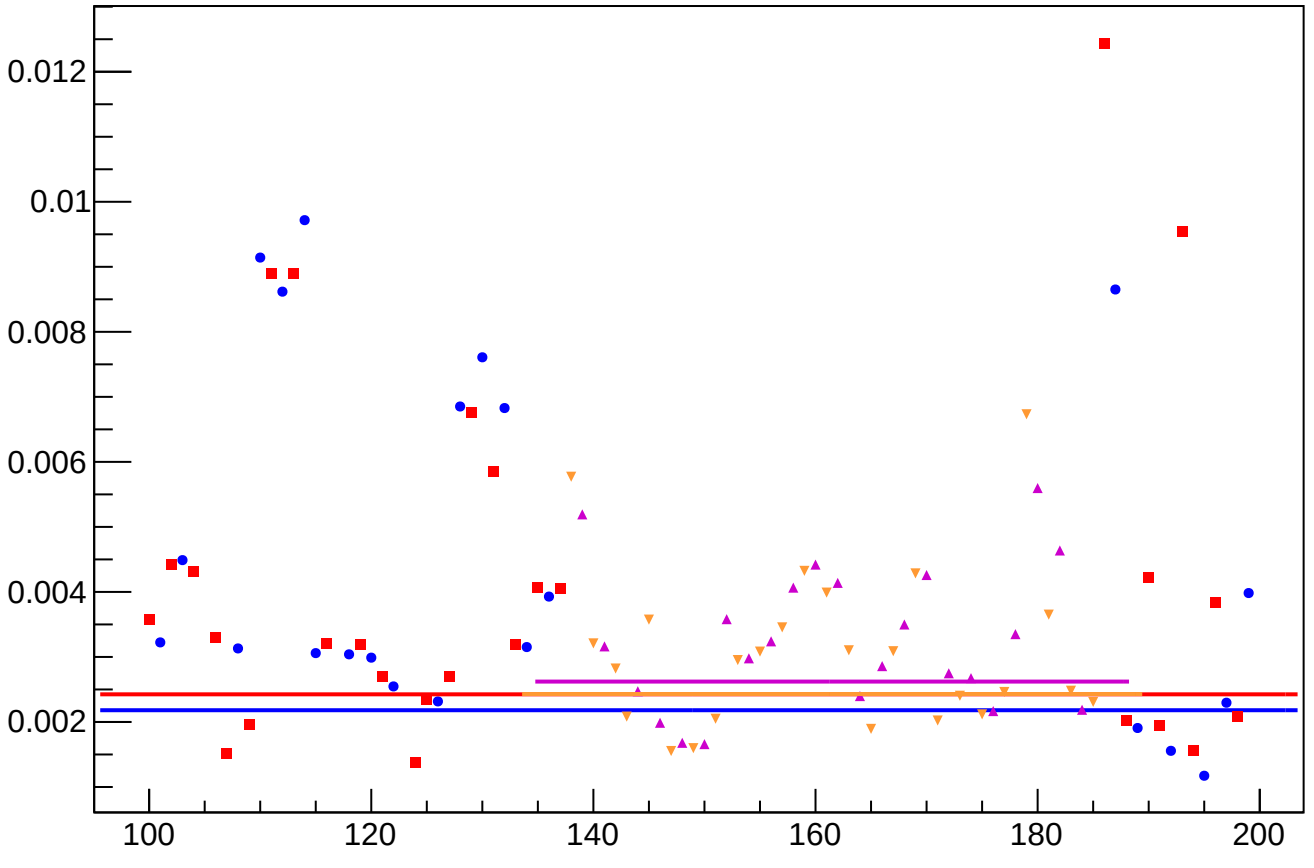
Left: 0.000+/-0.000 χ^2/NDF: 58.9/47

Right: 0.000+/-0.000 χ^2/NDF: 58.8/48

In: 0.000+/-0.000 χ^2/NDF:48.6/44

Out: 0.000+/-0.000 χ^2/NDF:69.1/51

All: 0.000+/-0.000 χ^2/NDF: 118.5/96



Right In: 0.002+/-0.000 χ^2/NDF: 5634737.3/21

Left Out: 0.002+/-0.000 χ^2/NDF:4218362.5/24

Right Out: 0.002+/-0.000 χ^2/NDF: 5264702.6/26

Left In: 0.003+/-0.000 χ^2/NDF:3955310.5/22

Left: 0.003+/-0.000 χ^2/NDF: 8267035.6/47

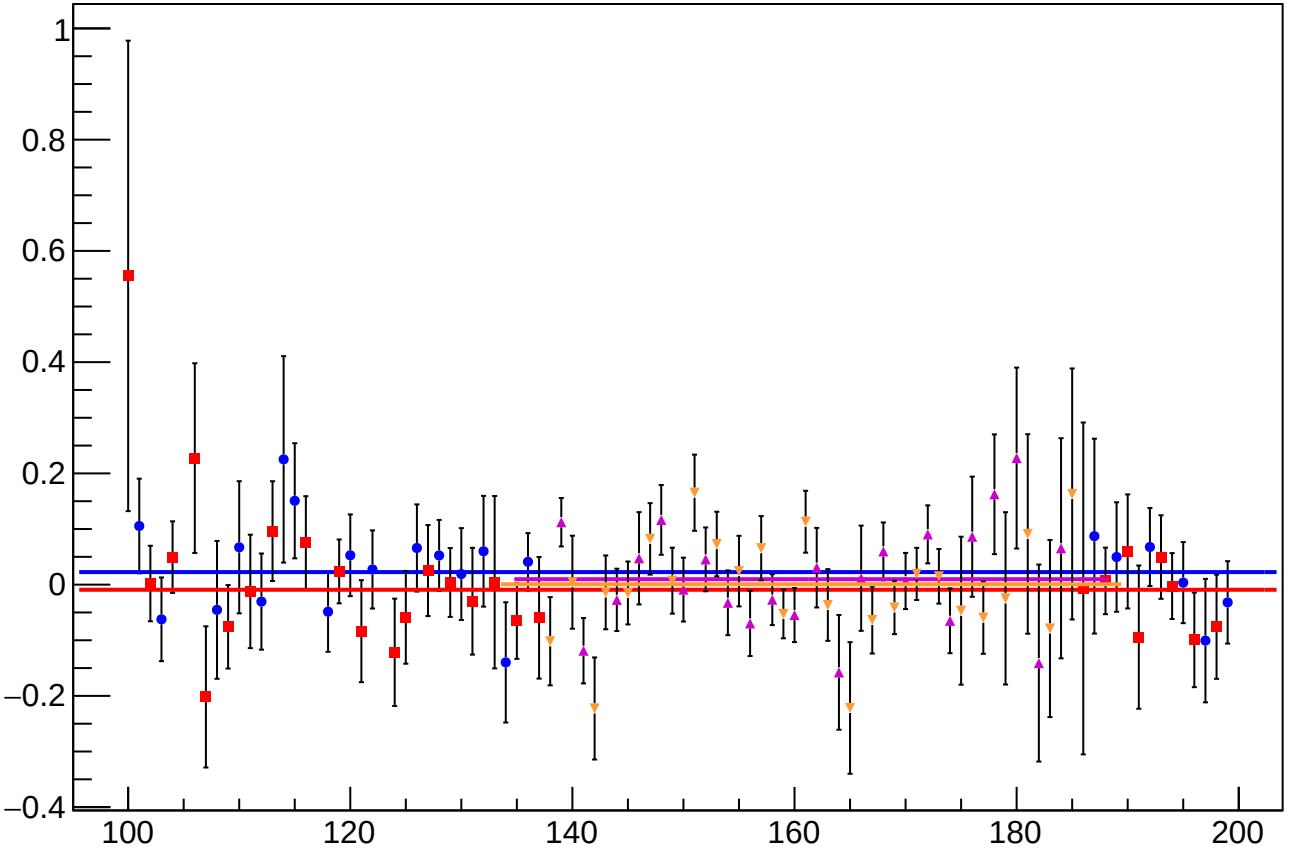
Right: 0.002+/-0.000 χ^2/NDF: 10997501.5/48

In: 0.002+/-0.000 χ^2/NDF:9968184.9/44

Out: 0.002+/-0.000 χ^2/NDF:9483107.6/51

All: 0.002+/-0.000 χ^2/NDF: 19451431.6/96

asym_sam_2468_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.023+/-0.018 χ^2/NDF: 12.4/21

Left Out: 0.001+/-0.013 χ^2/NDF:31.7/24

Right Out: -0.009+/-0.016 χ^2/NDF: 17.2/26

Left In: 0.010+/-0.013 χ^2/NDF:31.9/22

Left: 0.005+/-0.009 χ^2/NDF: 63.8/47

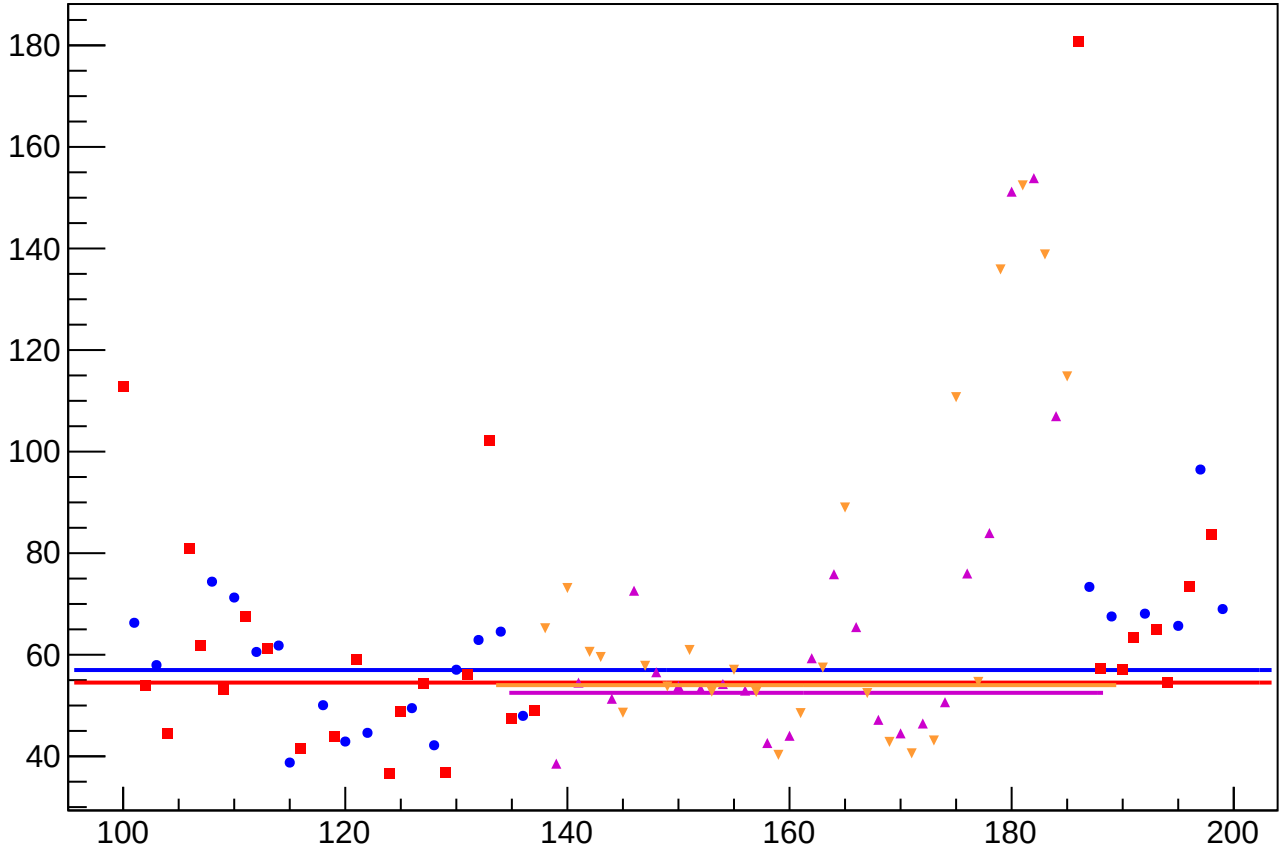
Right: 0.005+/-0.012 χ^2/NDF: 31.3/48

In: 0.014+/-0.011 χ^2/NDF:44.7/44

Out: -0.003+/-0.010 χ^2/NDF:49.1/51

All: 0.005+/-0.007 χ^2/NDF: 95.2/96

asym_sam_2468_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 56.989+/-0.013 χ^2/NDF: 941677.3/21

Left Out: 54.014+/-0.009 χ^2/NDF:3227569.4/24

Right Out: 54.518+/-0.011 χ^2/NDF: 1470035.0/26

Left In: 52.502+/-0.009 χ^2/NDF:2557805.6/22

Left: 53.257+/-0.007 χ^2/NDF: 5798440.6/47

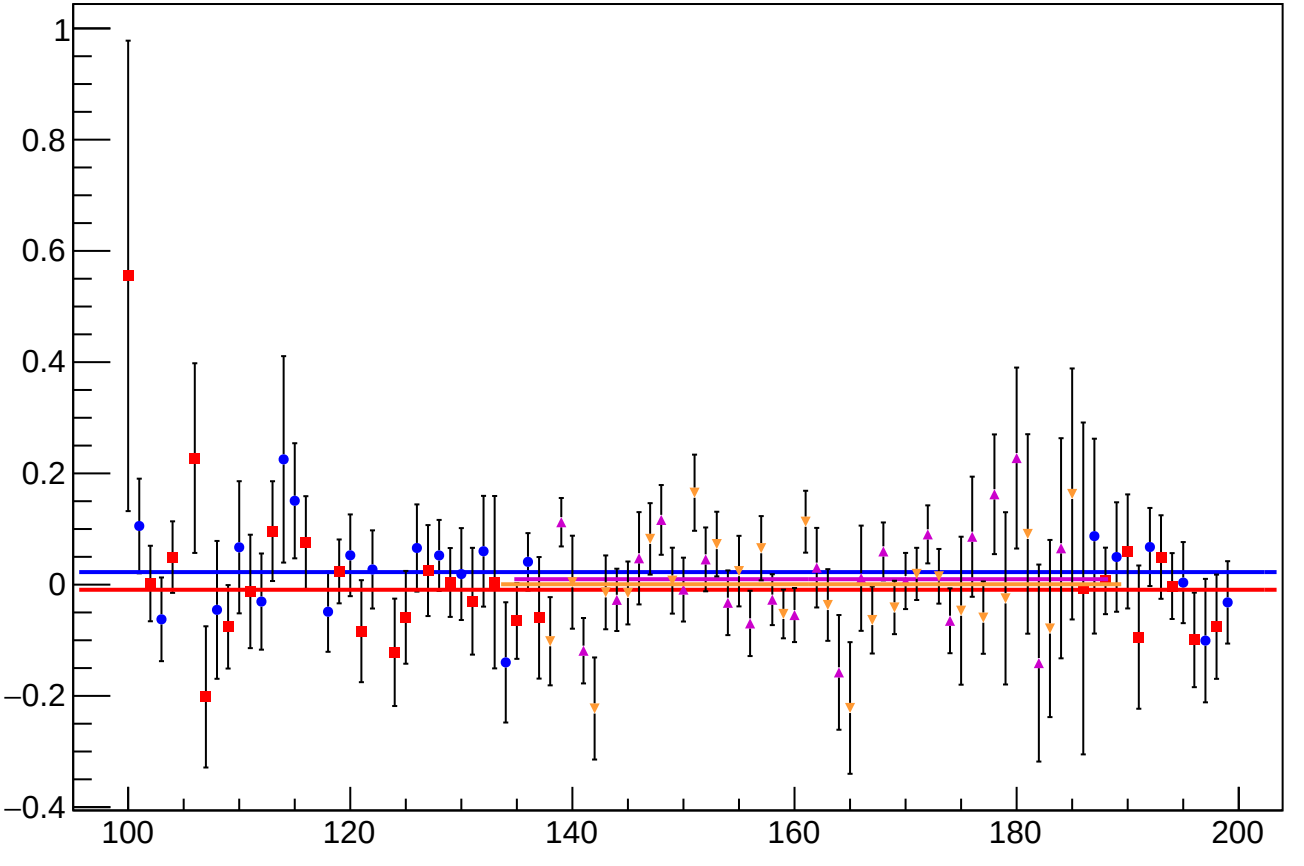
Right: 55.647+/-0.008 χ^2/NDF: 2432893.4/48

In: 54.109+/-0.007 χ^2/NDF:3581987.3/44

Out: 54.216+/-0.007 χ^2/NDF:4698759.4/51

All: 54.164+/-0.005 χ^2/NDF: 8280850.4/96

asym_sam_2468_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.023+/-0.018 χ^2/NDF: 12.4/21

Left Out: 0.001+/-0.013 χ^2/NDF:31.7/24

Right Out: -0.009+/-0.016 χ^2/NDF: 17.2/26

Left In: 0.010+/-0.013 χ^2/NDF:31.9/22

Left: 0.005+/-0.009 χ^2/NDF: 63.8/47

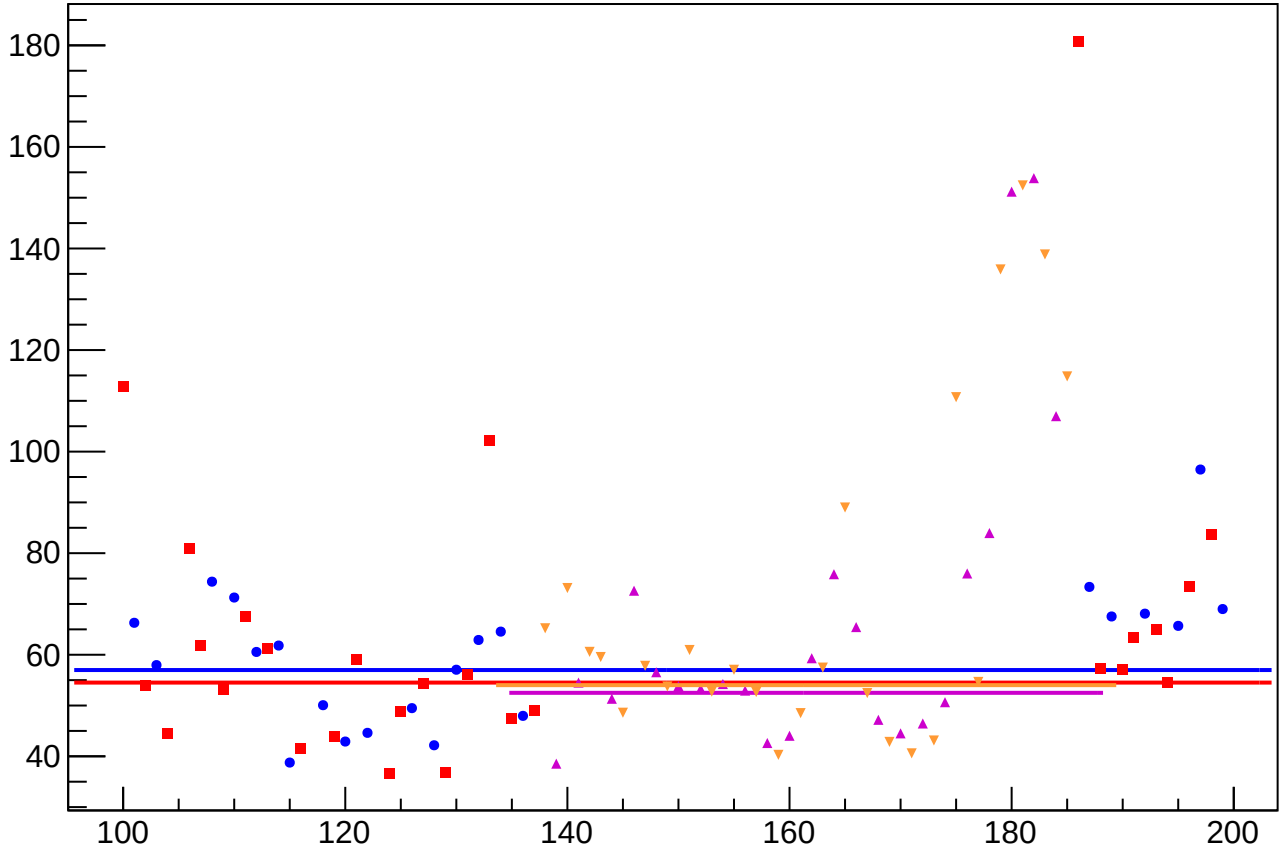
Right: 0.005+/-0.012 χ^2/NDF: 31.3/48

In: 0.014+/-0.011 χ^2/NDF:44.7/44

Out: -0.003+/-0.010 χ^2/NDF:49.1/51

All: 0.005+/-0.007 χ^2/NDF: 95.2/96

asym_sam_2468_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 56.989+/-0.013 χ^2/NDF: 941677.3/21

Left Out: 54.014+/-0.009 χ^2/NDF:3227569.4/24

Right Out: 54.518+/-0.011 χ^2/NDF: 1470035.0/26

Left In: 52.502+/-0.009 χ^2/NDF:2557805.6/22

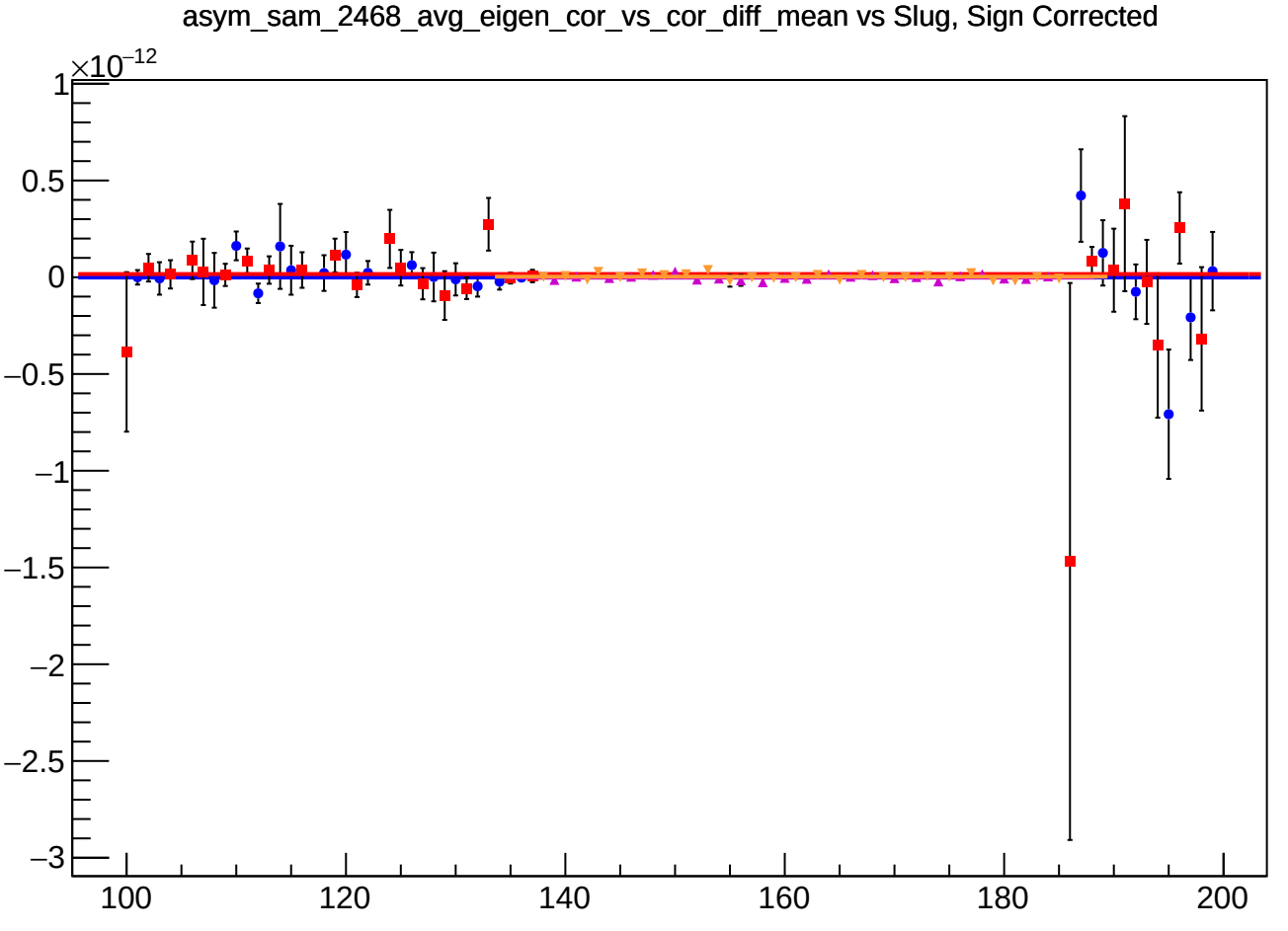
Left: 53.257+/-0.007 χ^2/NDF: 5798440.6/47

Right: 55.647+/-0.008 χ^2/NDF: 2432893.4/48

In: 54.109+/-0.007 χ^2/NDF:3581987.3/44

Out: 54.216+/-0.007 χ^2/NDF:4698759.4/51

All: 54.164+/-0.005 χ^2/NDF: 8280850.4/96



Right In: -0.000+/-0.000 χ^2/NDF: 20.6/21

Left Out: 0.000+/-0.000 χ^2/NDF:21.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 19.9/26

Left In: -0.000+/-0.000 χ^2/NDF:15.3/22

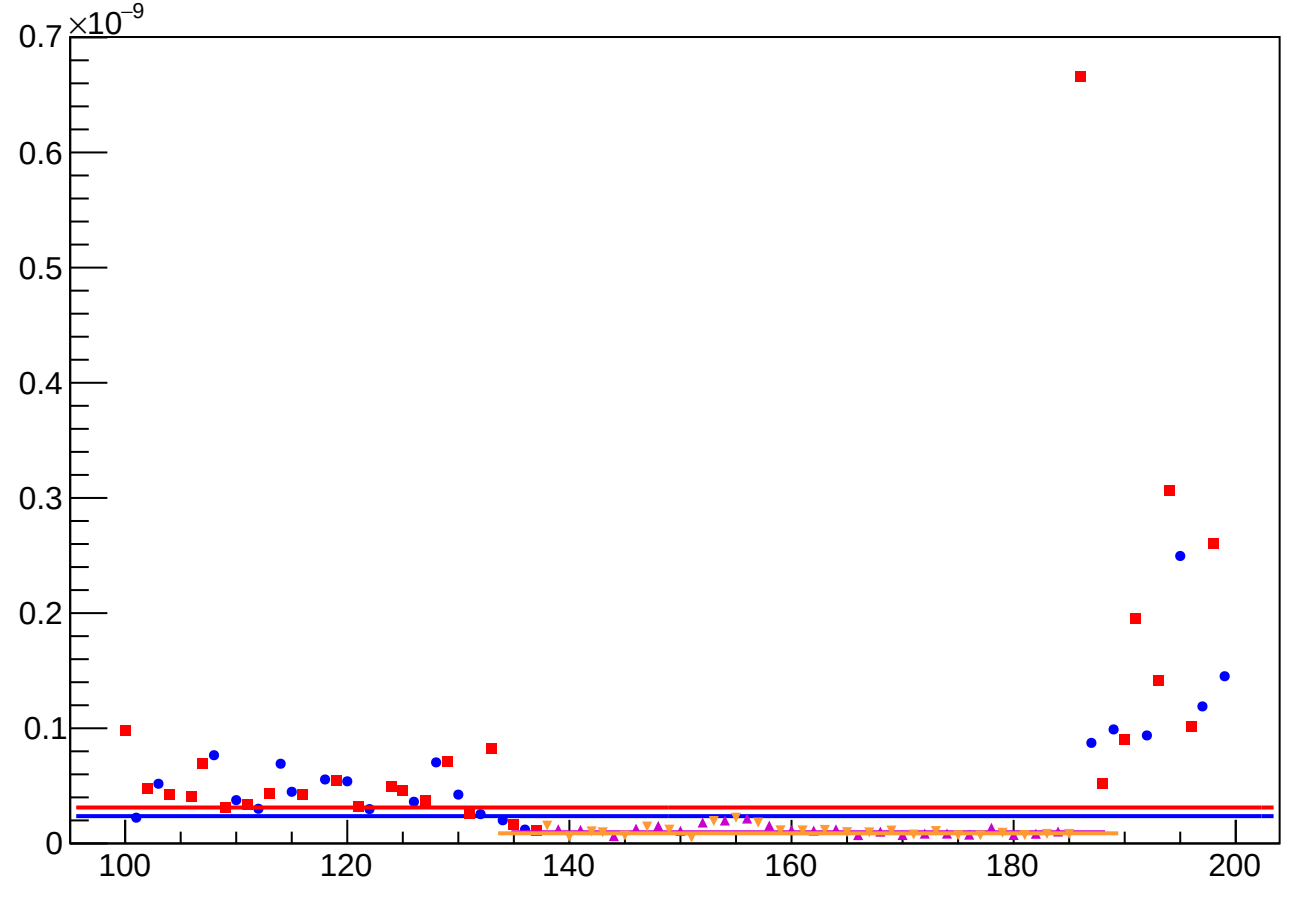
Left: 0.000+/-0.000 χ^2/NDF: 38.5/47

Right: 0.000+/-0.000 χ^2/NDF: 41.4/48

In: -0.000+/-0.000 χ^2/NDF:35.9/44

Out: 0.000+/-0.000 χ^2/NDF:42.6/51

All: 0.000+/-0.000 χ^2/NDF: 80.3/96



Right In: 0.000+/-0.000 χ^2/NDF: 5617149.9/21

Left Out: 0.000+/-0.000 χ^2/NDF:2517075.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6115243.5/26

Left In: 0.000+/-0.000 χ^2/NDF:2320113.6/22

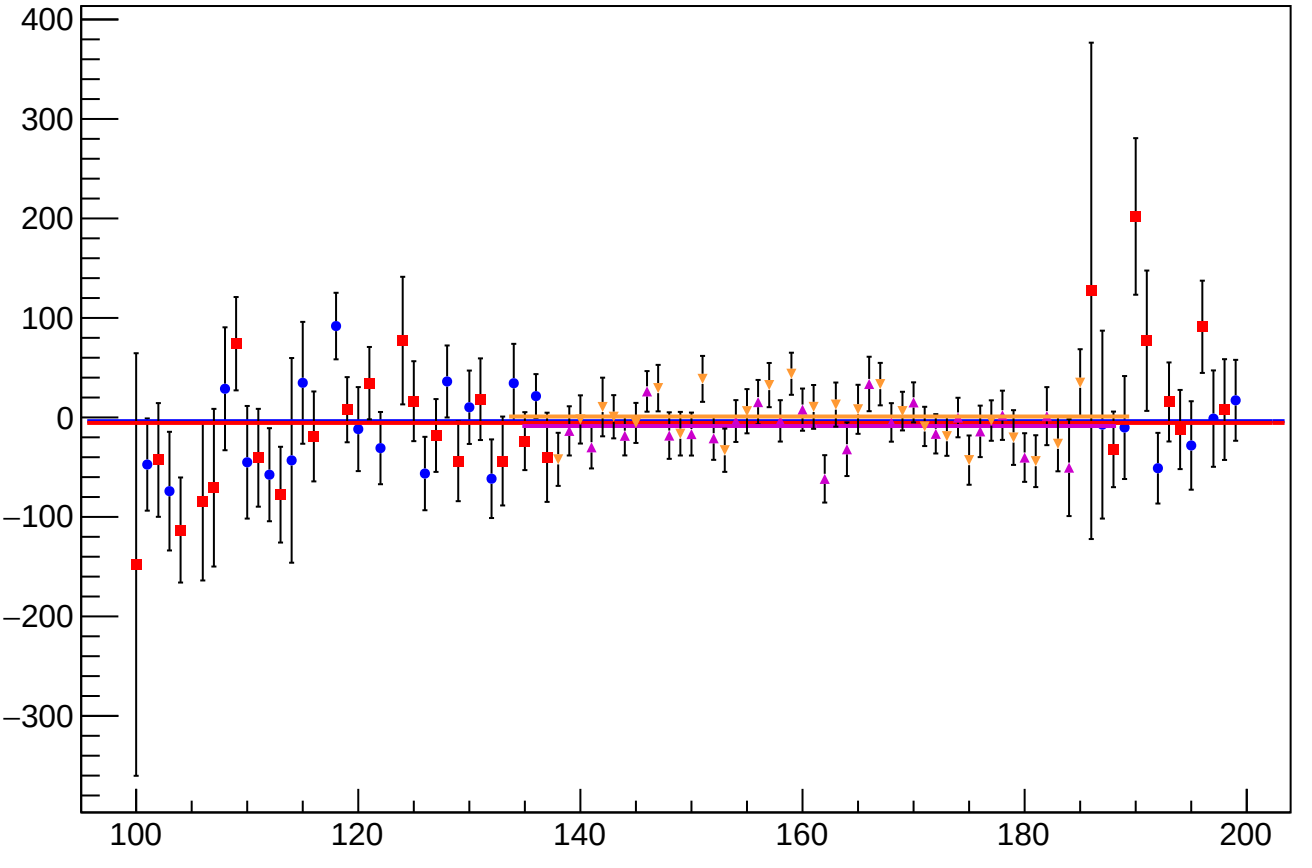
Left: 0.000+/-0.000 χ^2/NDF: 4948206.8/47

Right: 0.000+/-0.000 χ^2/NDF: 12064983.8/48

In: 0.000+/-0.000 χ^2/NDF:10568146.2/44

Out: 0.000+/-0.000 χ^2/NDF:13528060.2/51

All: 0.000+/-0.000 χ^2/NDF: 24216739.3/96



Right In: -3.764+/-8.866 χ^2/NDF: 23.8/21

Left Out: 0.917+/-4.574 χ^2/NDF:29.2/24

Right Out: -5.512+/-8.881 χ^2/NDF: 32.7/26

Left In: -8.600+/-4.724 χ^2/NDF:19.4/22

Left: -3.689+/-3.286 χ^2/NDF: 50.7/47

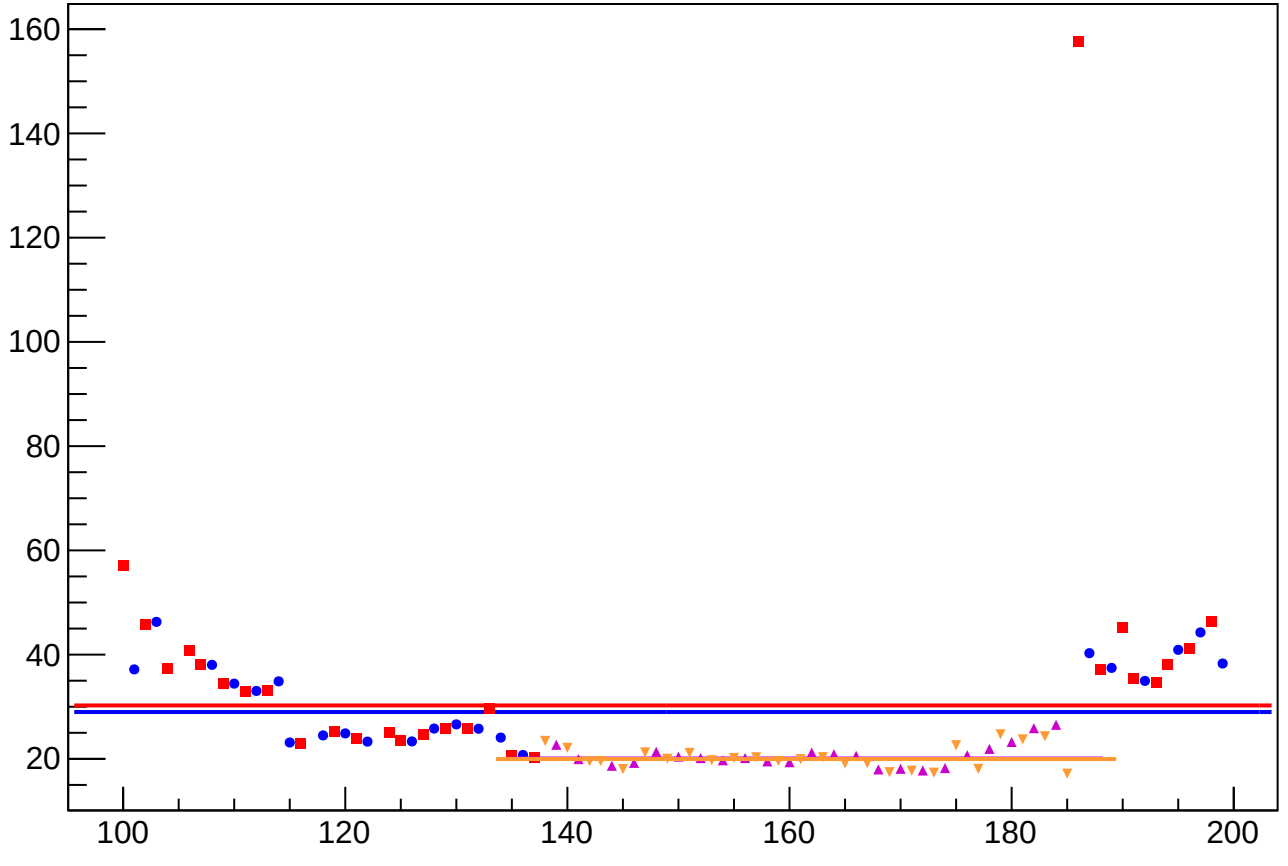
Right: -4.637+/-6.275 χ^2/NDF: 56.5/48

In: -7.531+/-4.169 χ^2/NDF:43.4/44

Out: -0.431+/-4.066 χ^2/NDF:62.3/51

All: -3.893+/-2.911 χ^2/NDF: 107.2/96

reg_asym_sam_1357_2468_dd_rms vs Slug, Sign Corrected



Right In: 28.987+/-0.006 χ^2/NDF: 1413372.1/21

Left Out: 19.969+/-0.003 χ^2/NDF:386763.9/24

Right Out: 30.247+/-0.006 χ^2/NDF: 2025988.5/26

Left In: 20.072+/-0.003 χ^2/NDF:301705.2/22

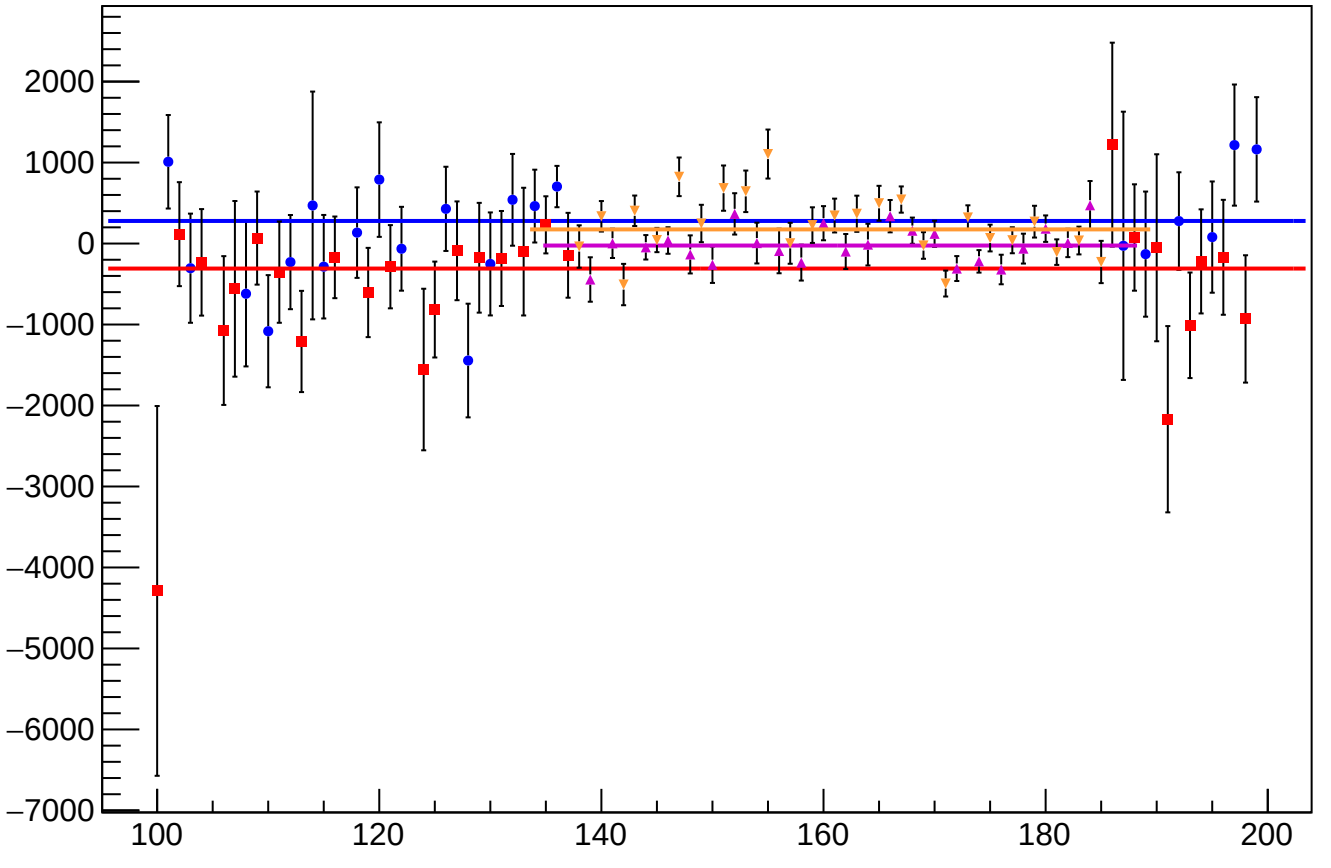
Left: 20.019+/-0.002 χ^2/NDF: 688968.6/47

Right: 29.616+/-0.004 χ^2/NDF: 3459517.4/48

In: 22.043+/-0.003 χ^2/NDF:3289801.0/44

Out: 22.123+/-0.003 χ^2/NDF:4529869.4/51

All: 22.084+/-0.002 χ^2/NDF: 7820049.3/96



Right In: 278.947+/-123.016 χ^2/NDF: 23.6/21

Left Out: 174.693+/-39.049 χ^2/NDF:71.2/24

Right Out: -308.903+/-125.117 χ^2/NDF: 18.5/26

Left In: -24.589+/-40.070 χ^2/NDF:26.9/22

Left: 77.623+/-27.966 χ^2/NDF: 110.8/47

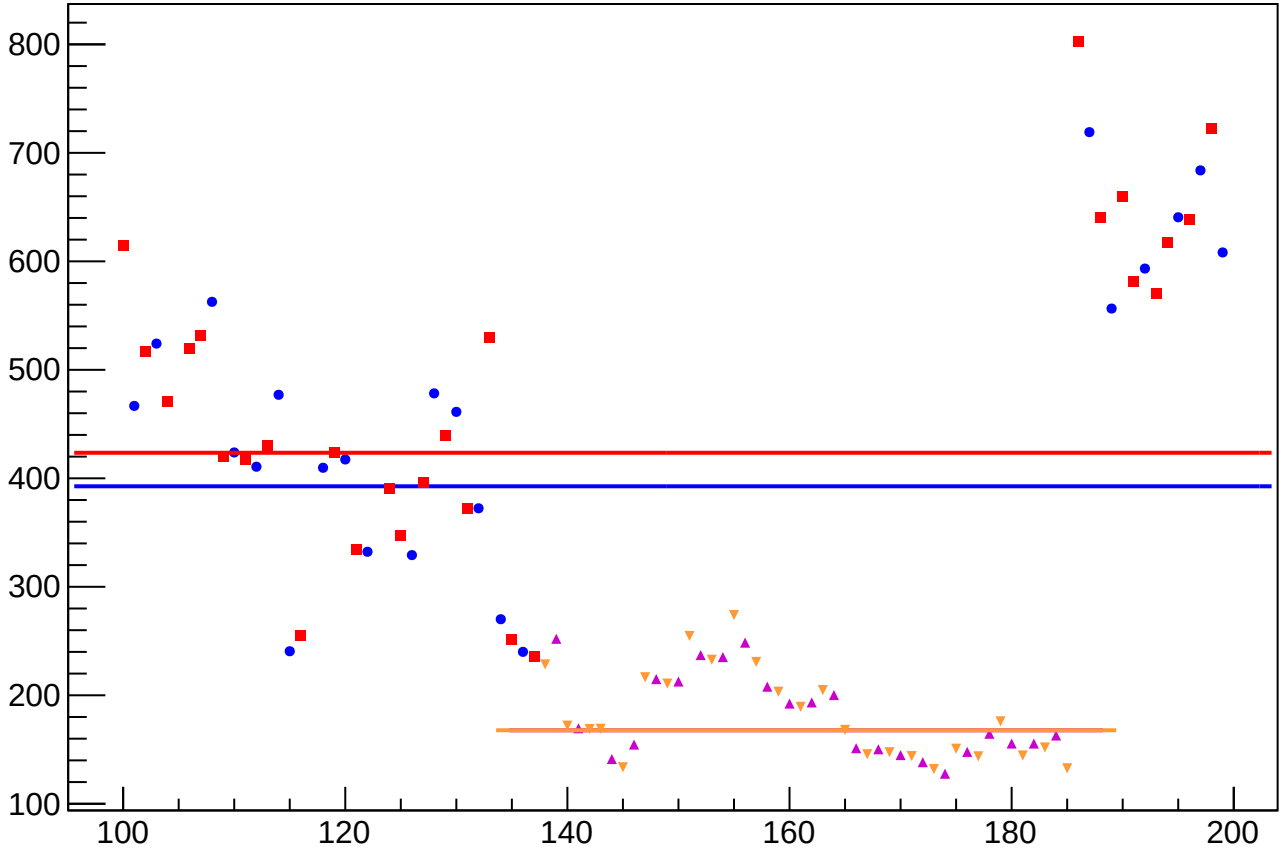
Right: -10.000+/-87.719 χ^2/NDF: 53.3/48

In: 4.527+/-38.100 χ^2/NDF:56.0/44

Out: 131.768+/-37.276 χ^2/NDF:103.3/51

All: 69.539+/-26.645 χ^2/NDF: 165.0/96

asym_sam_1357_2468_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 392.644+/-0.087 χ^2/NDF: 2464349.0/21

Left Out: 167.754+/-0.028 χ^2/NDF:1578232.9/24

Right Out: 423.550+/-0.088 χ^2/NDF: 2494876.8/26

Left In: 167.748+/-0.028 χ^2/NDF:1403124.0/22

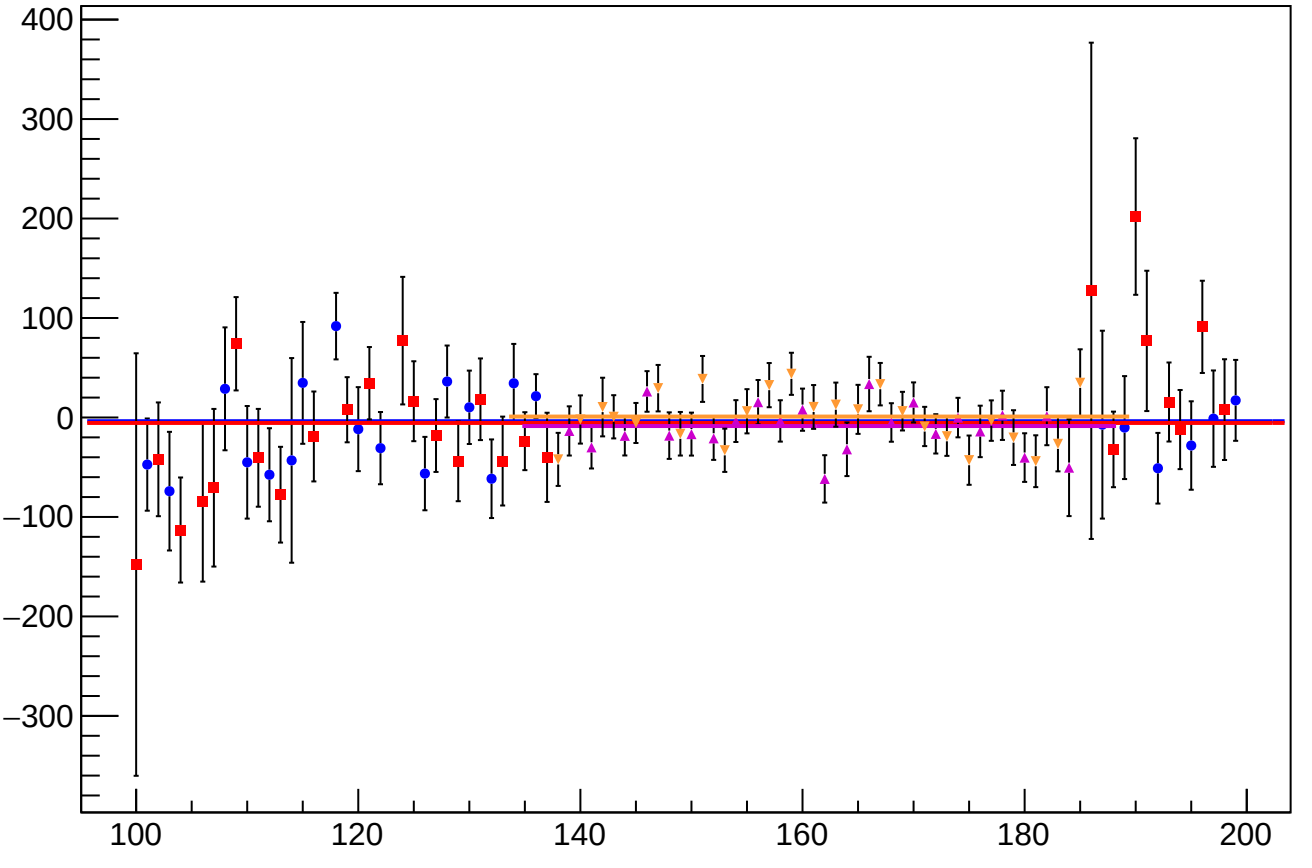
Left: 167.751+/-0.020 χ^2/NDF: 2981357.0/47

Right: 407.836+/-0.062 χ^2/NDF: 5021277.9/48

In: 189.321+/-0.027 χ^2/NDF:9910831.2/44

Out: 190.459+/-0.026 χ^2/NDF:11690726.0/51

All: 189.903+/-0.019 χ^2/NDF: 21602468.6/96



Right In: -3.762+/-8.866 χ^2/NDF: 23.8/21

Left Out: 0.915+/-4.574 χ^2/NDF:29.2/24

Right Out: -5.481+/-8.882 χ^2/NDF: 32.7/26

Left In: -8.600+/-4.724 χ^2/NDF:19.4/22

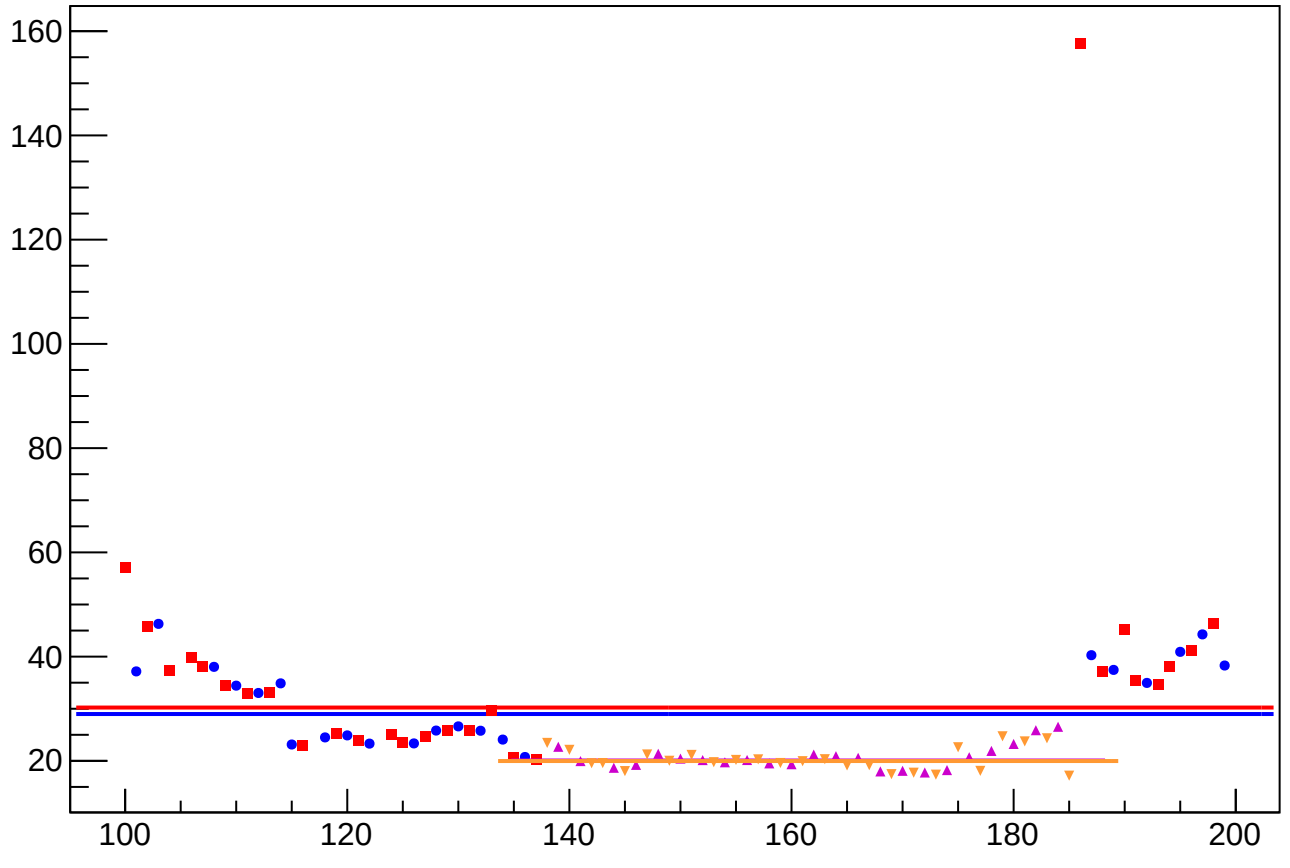
Left: -3.690+/-3.286 χ^2/NDF: 50.7/47

Right: -4.620+/-6.275 χ^2/NDF: 56.5/48

In: -7.531+/-4.169 χ^2/NDF:43.4/44

Out: -0.426+/-4.066 χ^2/NDF:62.3/51

All: -3.890+/-2.911 χ^2/NDF: 107.2/96



Right In: 28.987+/-0.006 χ^2/NDF: 1413375.3/21

Left Out: 19.969+/-0.003 χ^2/NDF:386763.9/24

Right Out: 30.231+/-0.006 χ^2/NDF: 2018764.0/26

Left In: 20.072+/-0.003 χ^2/NDF:301705.2/22

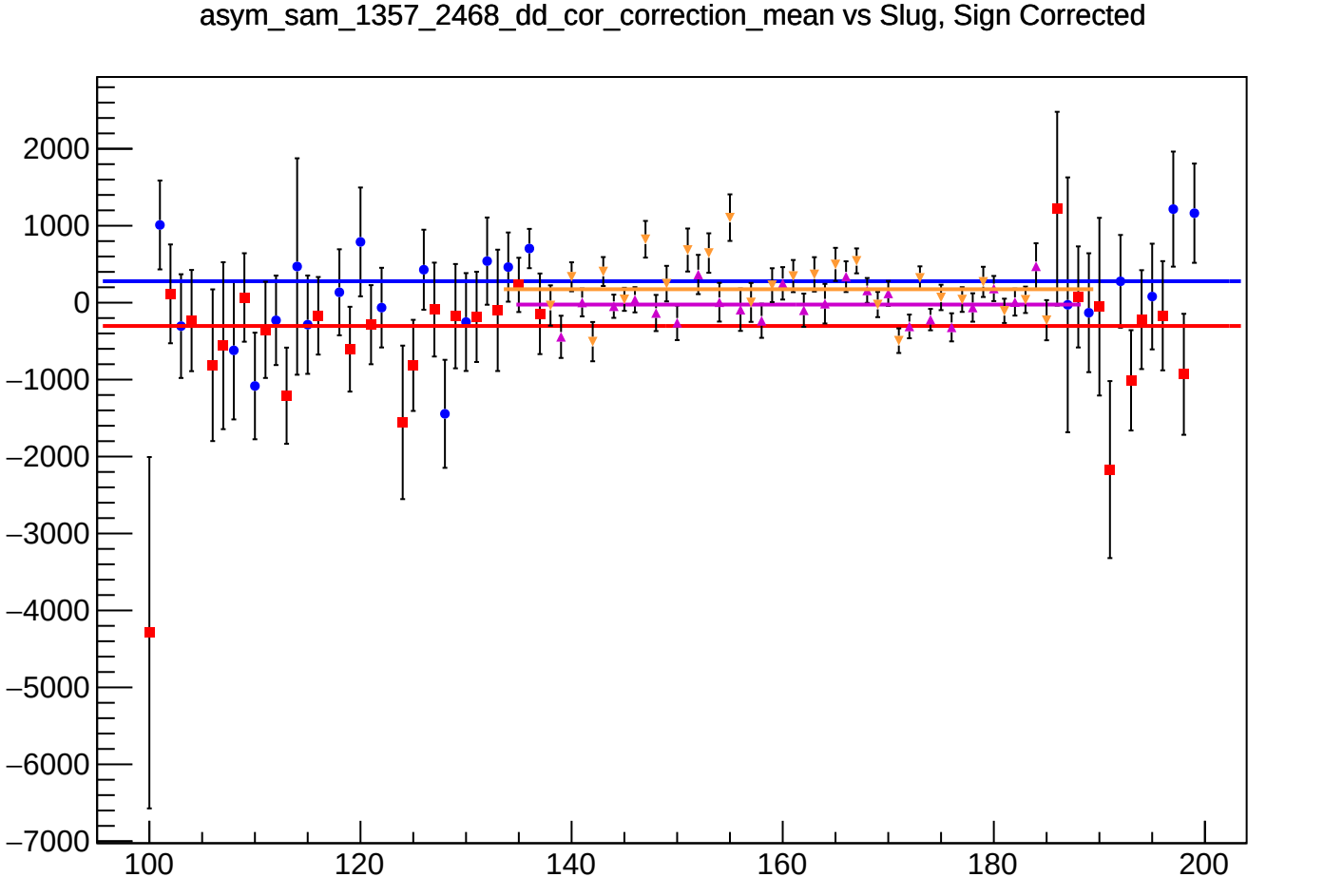
Left: 20.019+/-0.002 χ^2/NDF: 688968.7/47

Right: 29.608+/-0.004 χ^2/NDF: 3451796.9/48

In: 22.043+/-0.003 χ^2/NDF:3289804.4/44

Out: 22.120+/-0.003 χ^2/NDF:4515798.8/51

All: 22.082+/-0.002 χ^2/NDF: 7805948.0/96



Right In: 278.942+/-123.016 χ^2/NDF: 23.6/21

Left Out: 174.691+/-39.049 χ^2/NDF:71.2/24

Right Out: -302.884+/-125.272 χ^2/NDF: 18.0/26

Left In: -24.590+/-40.070 χ^2/NDF:26.9/22

Left: 77.622+/-27.966 χ^2/NDF: 110.8/47

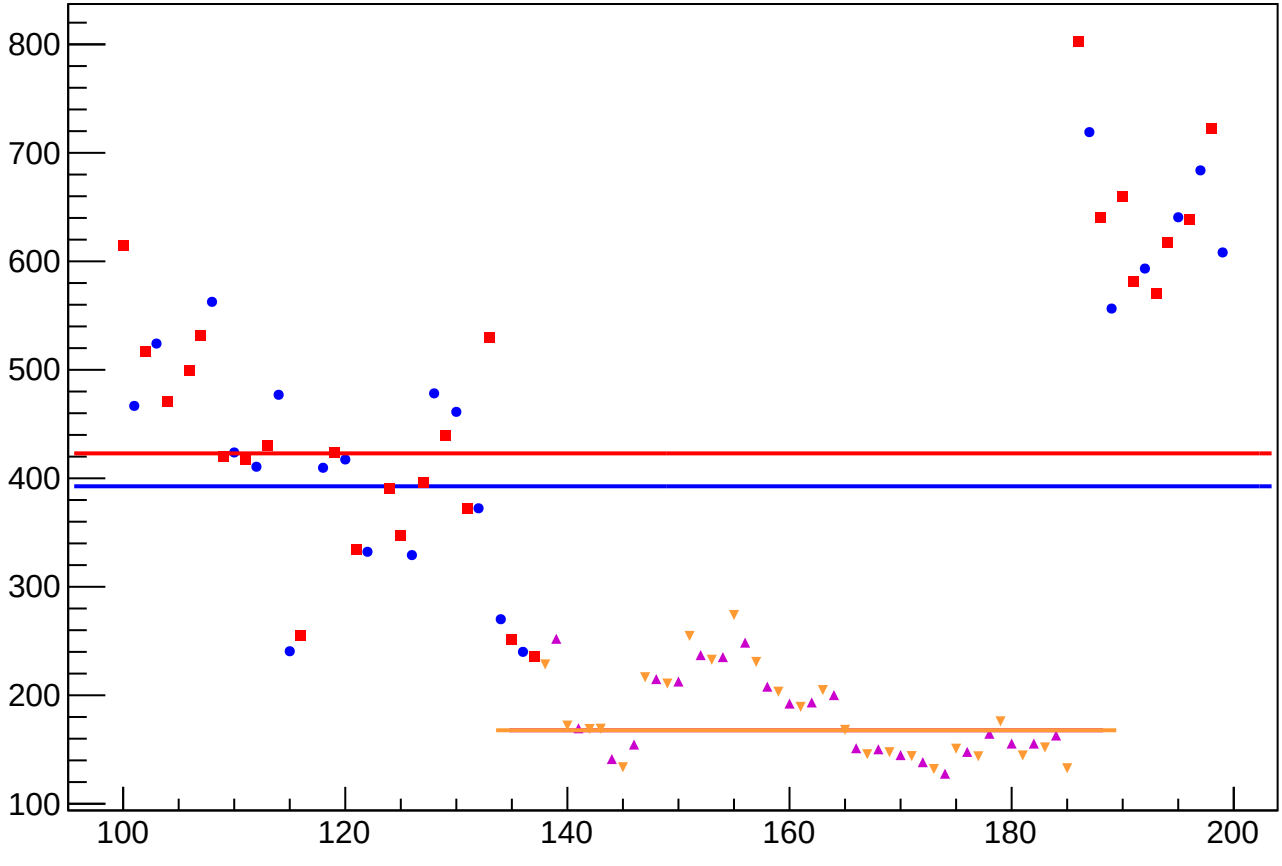
Right: -6.684+/-87.772 χ^2/NDF: 52.6/48

In: 4.526+/-38.100 χ^2/NDF:56.0/44

Out: 132.397+/-37.280 χ^2/NDF:102.5/51

All: 69.852+/-26.646 χ^2/NDF: 164.2/96

asym_sam_1357_2468_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 392.644+/-0.087 χ^2/NDF: 2464374.6/21

Left Out: 167.754+/-0.028 χ^2/NDF:1578231.3/24

Right Out: 422.992+/-0.089 χ^2/NDF: 2484910.8/26

Left In: 167.748+/-0.028 χ^2/NDF:1403120.1/22

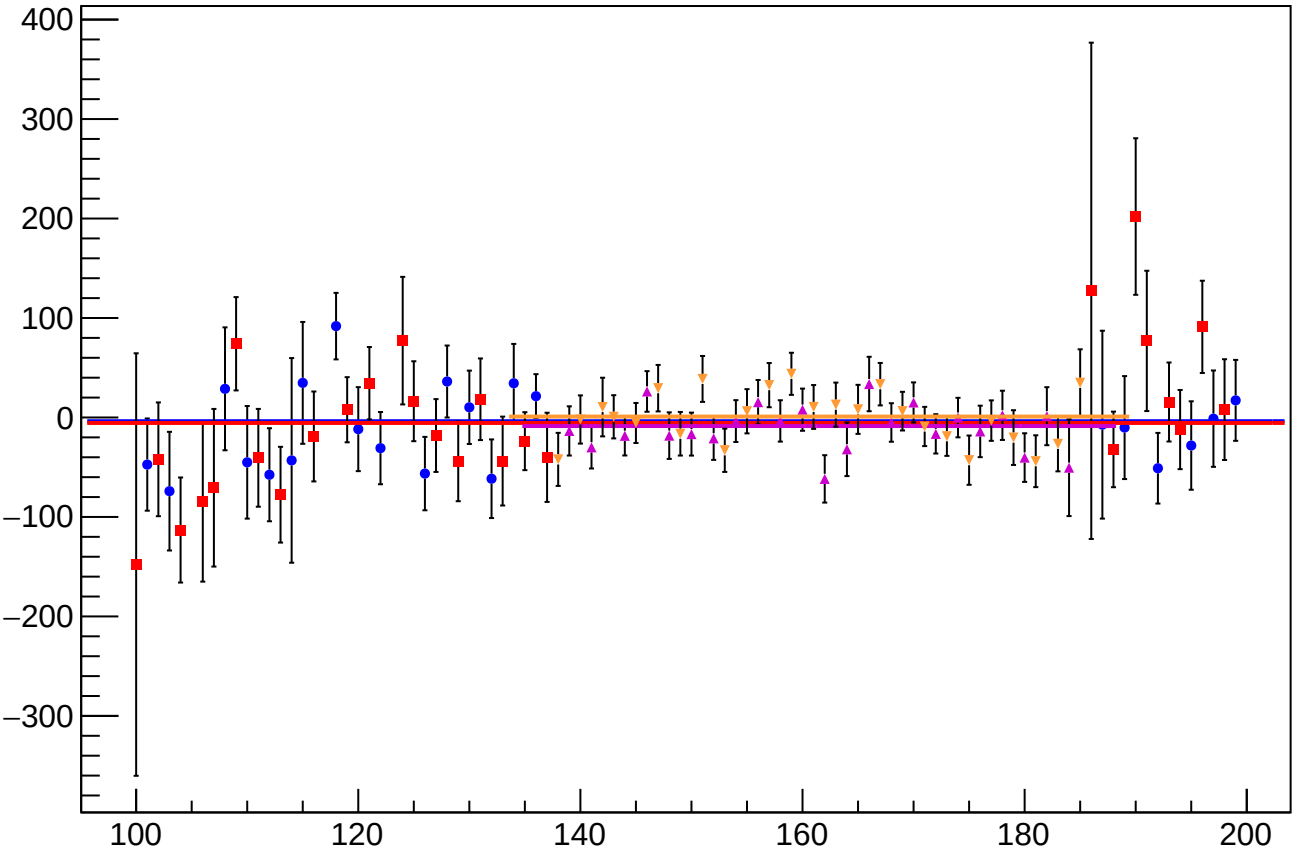
Left: 167.751+/-0.020 χ^2/NDF: 2981351.5/47

Right: 407.543+/-0.062 χ^2/NDF: 5009040.6/48

In: 189.321+/-0.027 χ^2/NDF:9910844.7/44

Out: 190.358+/-0.026 χ^2/NDF:11630435.4/51

All: 189.851+/-0.019 χ^2/NDF: 21542037.1/96



Right In: -3.762+/-8.866 χ^2/NDF: 23.8/21

Left Out: 0.915+/-4.574 χ^2/NDF:29.2/24

Right Out: -5.481+/-8.882 χ^2/NDF: 32.7/26

Left In: -8.600+/-4.724 χ^2/NDF:19.4/22

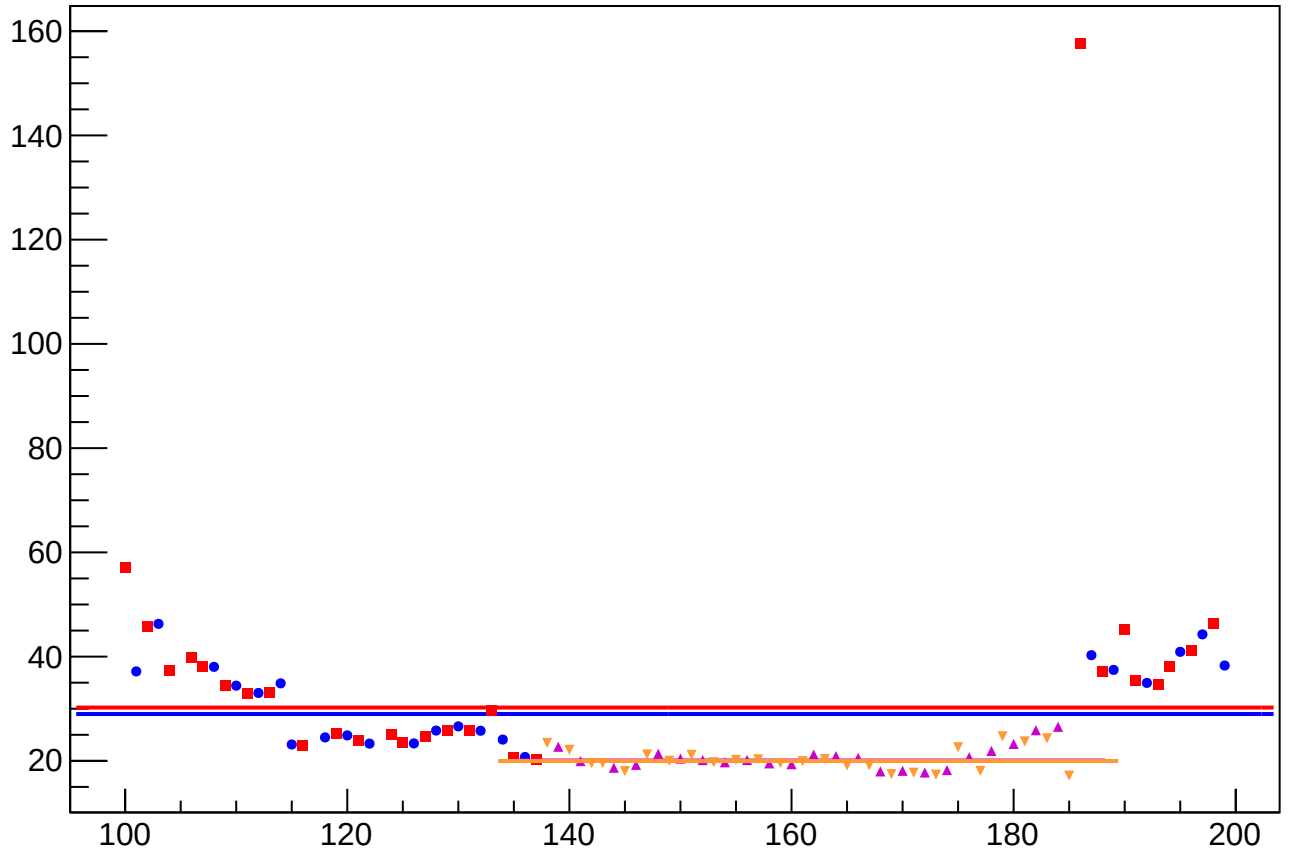
Left: -3.690+/-3.286 χ^2/NDF: 50.7/47

Right: -4.620+/-6.275 χ^2/NDF: 56.5/48

In: -7.531+/-4.169 χ^2/NDF:43.4/44

Out: -0.426+/-4.066 χ^2/NDF:62.3/51

All: -3.890+/-2.911 χ^2/NDF: 107.2/96



Right In: 28.987+/-0.006 χ^2/NDF: 1413375.3/21

Left Out: 19.969+/-0.003 χ^2/NDF:386763.9/24

Right Out: 30.231+/-0.006 χ^2/NDF: 2018764.0/26

Left In: 20.072+/-0.003 χ^2/NDF:301705.2/22

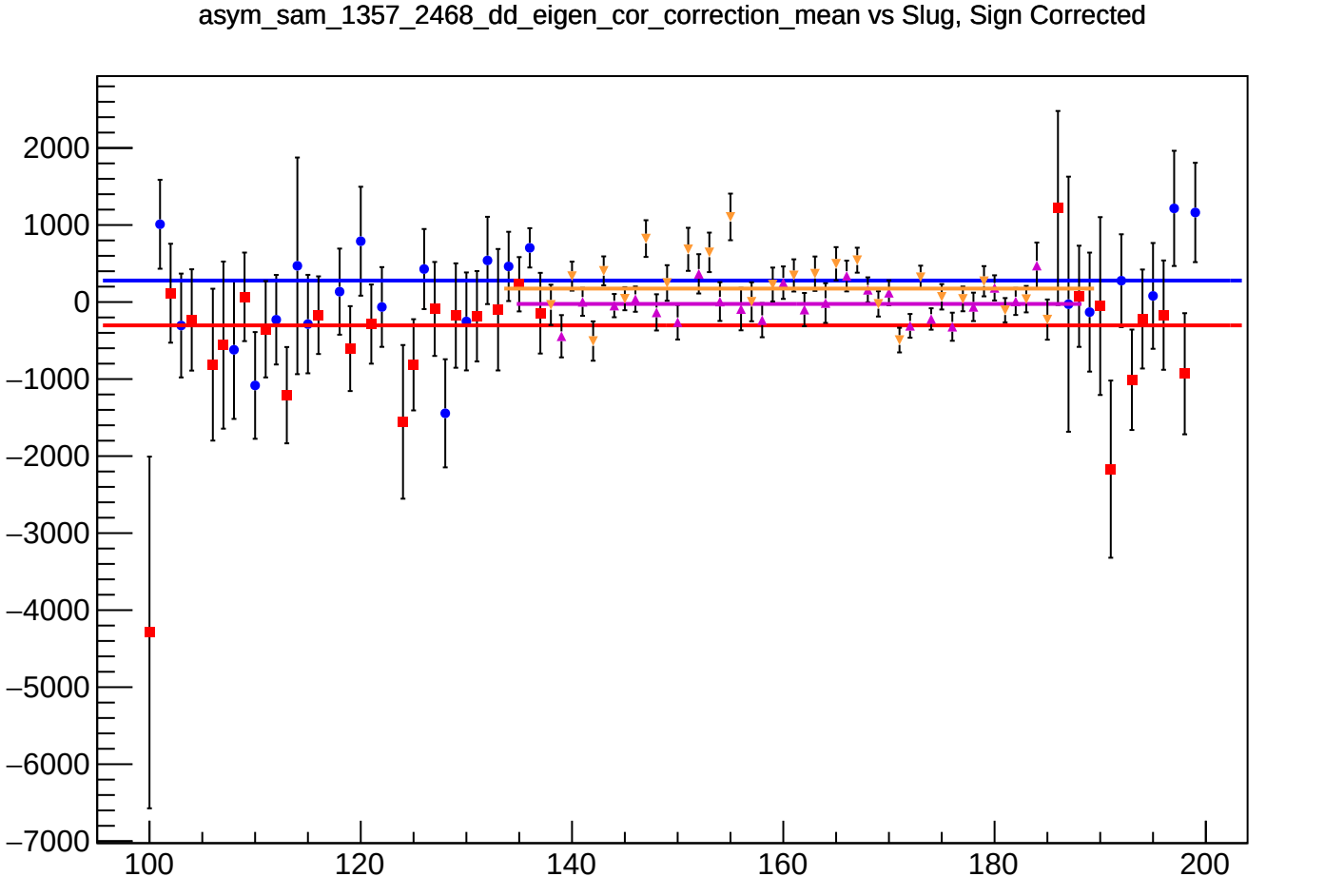
Left: 20.019+/-0.002 χ^2/NDF: 688968.7/47

Right: 29.608+/-0.004 χ^2/NDF: 3451796.9/48

In: 22.043+/-0.003 χ^2/NDF:3289804.4/44

Out: 22.120+/-0.003 χ^2/NDF:4515798.8/51

All: 22.082+/-0.002 χ^2/NDF: 7805948.0/96



Right In: 278.942+/-123.016 χ^2/NDF: 23.6/21

Left Out: 174.691+/-39.049 χ^2/NDF:71.2/24

Right Out: -302.884+/-125.272 χ^2/NDF: 18.0/26

Left In: -24.590+/-40.070 χ^2/NDF:26.9/22

Left: 77.622+/-27.966 χ^2/NDF: 110.8/47

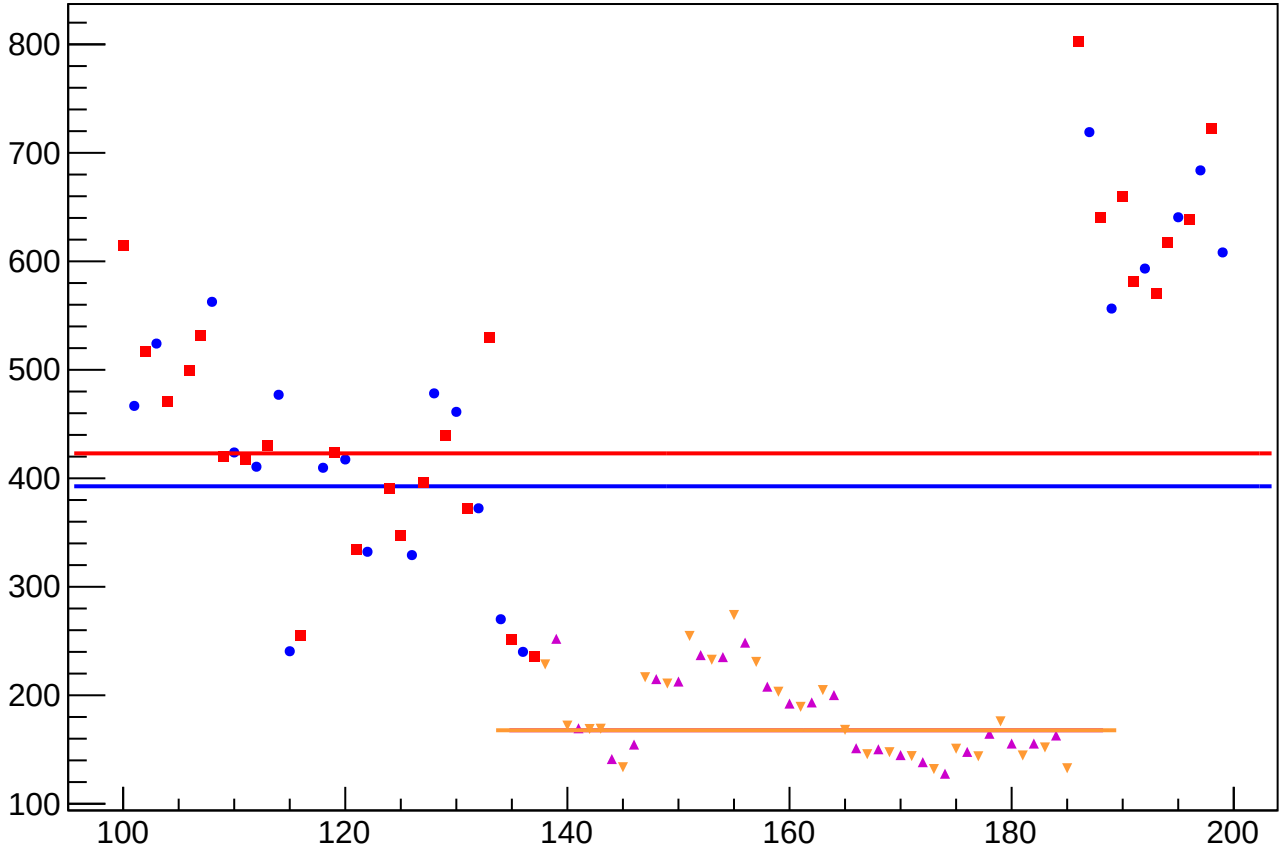
Right: -6.684+/-87.772 χ^2/NDF: 52.6/48

In: 4.526+/-38.100 χ^2/NDF:56.0/44

Out: 132.397+/-37.280 χ^2/NDF:102.5/51

All: 69.852+/-26.646 χ^2/NDF: 164.2/96

asym_sam_1357_2468_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 392.644+/-0.087 χ^2/NDF: 2464374.6/21

Left Out: 167.754+/-0.028 χ^2/NDF:1578231.3/24

Right Out: 422.992+/-0.089 χ^2/NDF: 2484910.8/26

Left In: 167.748+/-0.028 χ^2/NDF:1403120.1/22

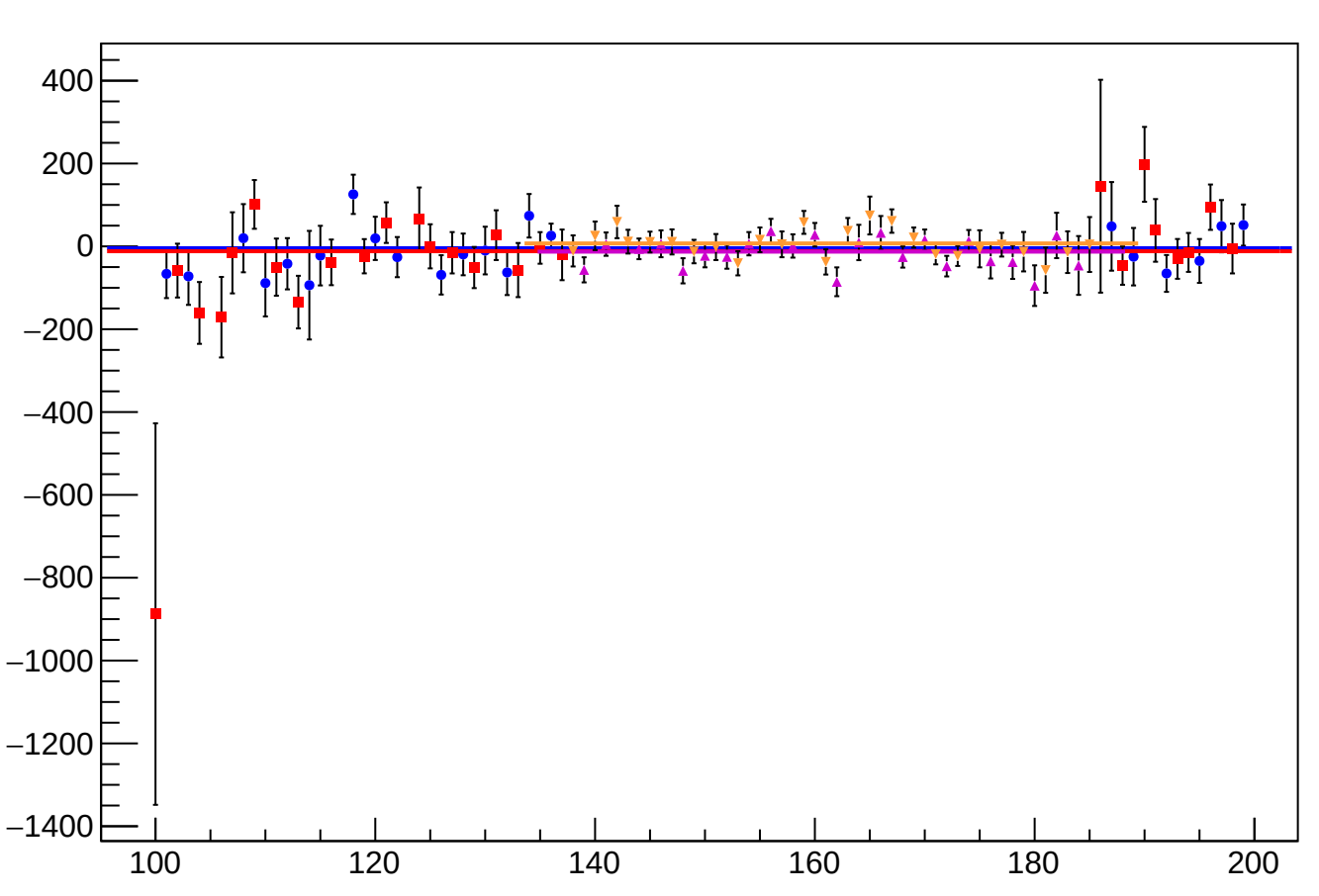
Left: 167.751+/-0.020 χ^2/NDF: 2981351.5/47

Right: 407.543+/-0.062 χ^2/NDF: 5009040.6/48

In: 189.321+/-0.027 χ^2/NDF:9910844.7/44

Out: 190.358+/-0.026 χ^2/NDF:11630435.4/51

All: 189.851+/-0.019 χ^2/NDF: 21542037.1/96



Right In: -4.417+/-11.634 χ^2/NDF: 23.0/21

Left Out: 7.079+/-6.333 χ^2/NDF:22.7/24

Right Out: -11.743+/-11.334 χ^2/NDF: 34.3/26

Left In: -12.697+/-6.513 χ^2/NDF:25.6/22

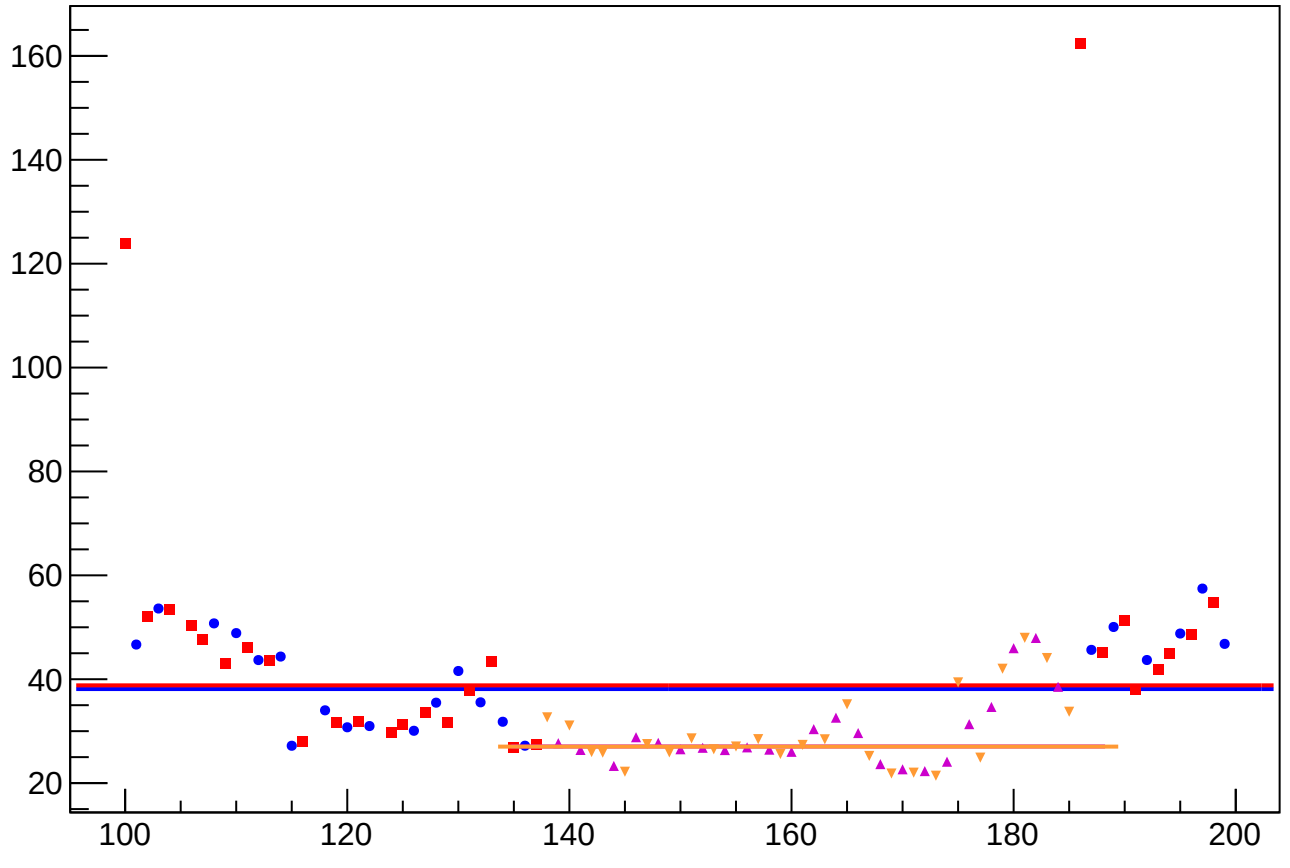
Left: -2.531+/-4.541 χ^2/NDF: 53.1/47

Right: -8.176+/-8.118 χ^2/NDF: 57.5/48

In: -10.721+/-5.683 χ^2/NDF:49.0/44

Out: 2.601+/-5.529 χ^2/NDF:59.1/51

All: -3.876+/-3.963 χ^2/NDF: 110.9/96



Right In: 38.108+/-0.008 χ^2/NDF: 1208032.6/21

Left Out: 27.026+/-0.004 χ^2/NDF:1430523.7/24

Right Out: 38.821+/-0.008 χ^2/NDF: 1682816.9/26

Left In: 27.052+/-0.005 χ^2/NDF:1044359.4/22

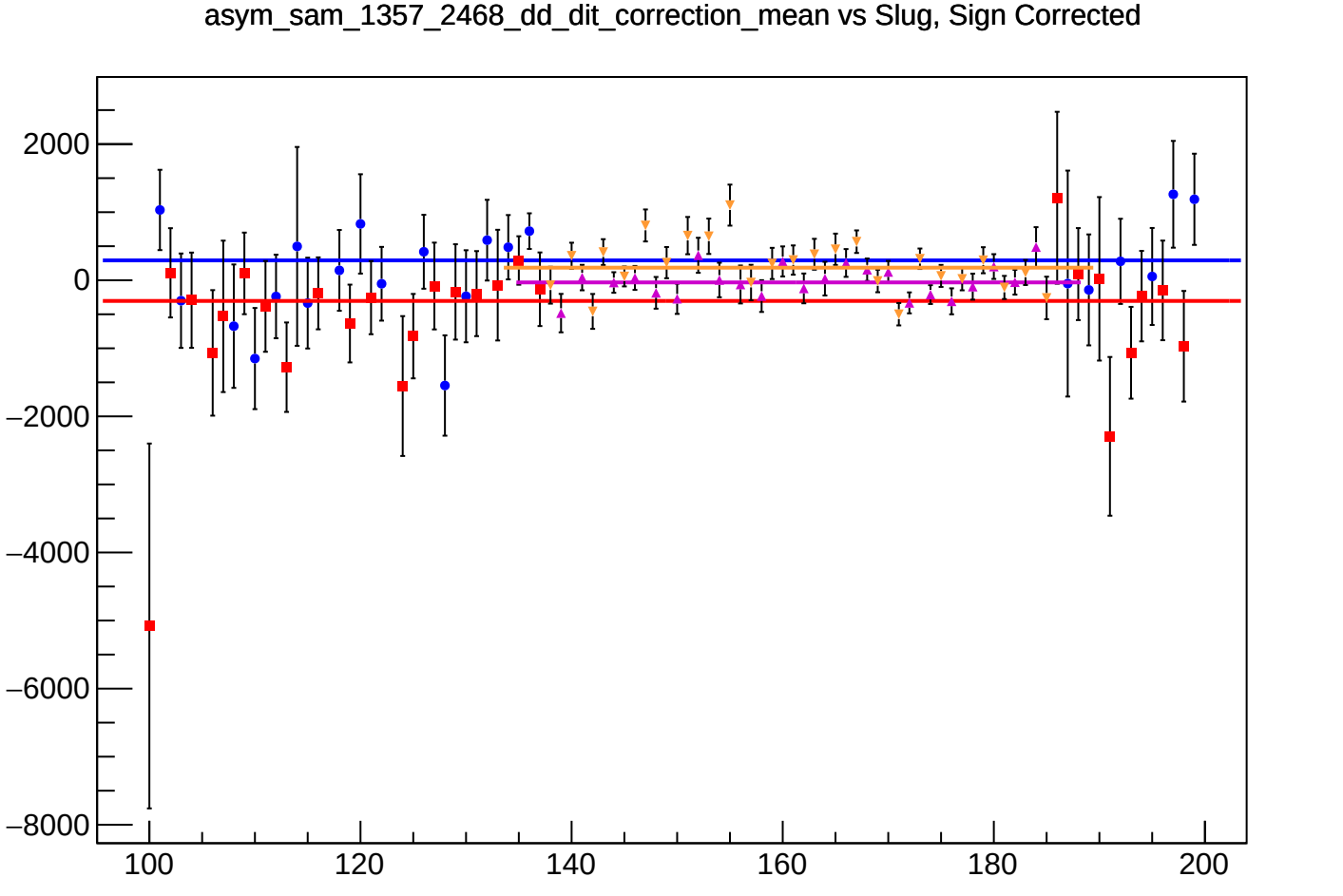
Left: 27.039+/-0.003 χ^2/NDF: 2474899.1/47

Right: 38.474+/-0.006 χ^2/NDF: 2894706.3/48

In: 29.690+/-0.004 χ^2/NDF:3627522.3/44

Out: 29.833+/-0.004 χ^2/NDF:4763845.3/51

All: 29.764+/-0.003 χ^2/NDF: 8392010.3/96



Right In: 291.769+/-127.967 χ^2/NDF: 23.6/21

Left Out: 184.675+/-39.832 χ^2/NDF:67.7/24

Right Out: -303.903+/-129.684 χ^2/NDF: 19.5/26

Left In: -31.891+/-40.975 χ^2/NDF:26.4/22

Left: 79.454+/-28.561 χ^2/NDF: 108.4/47

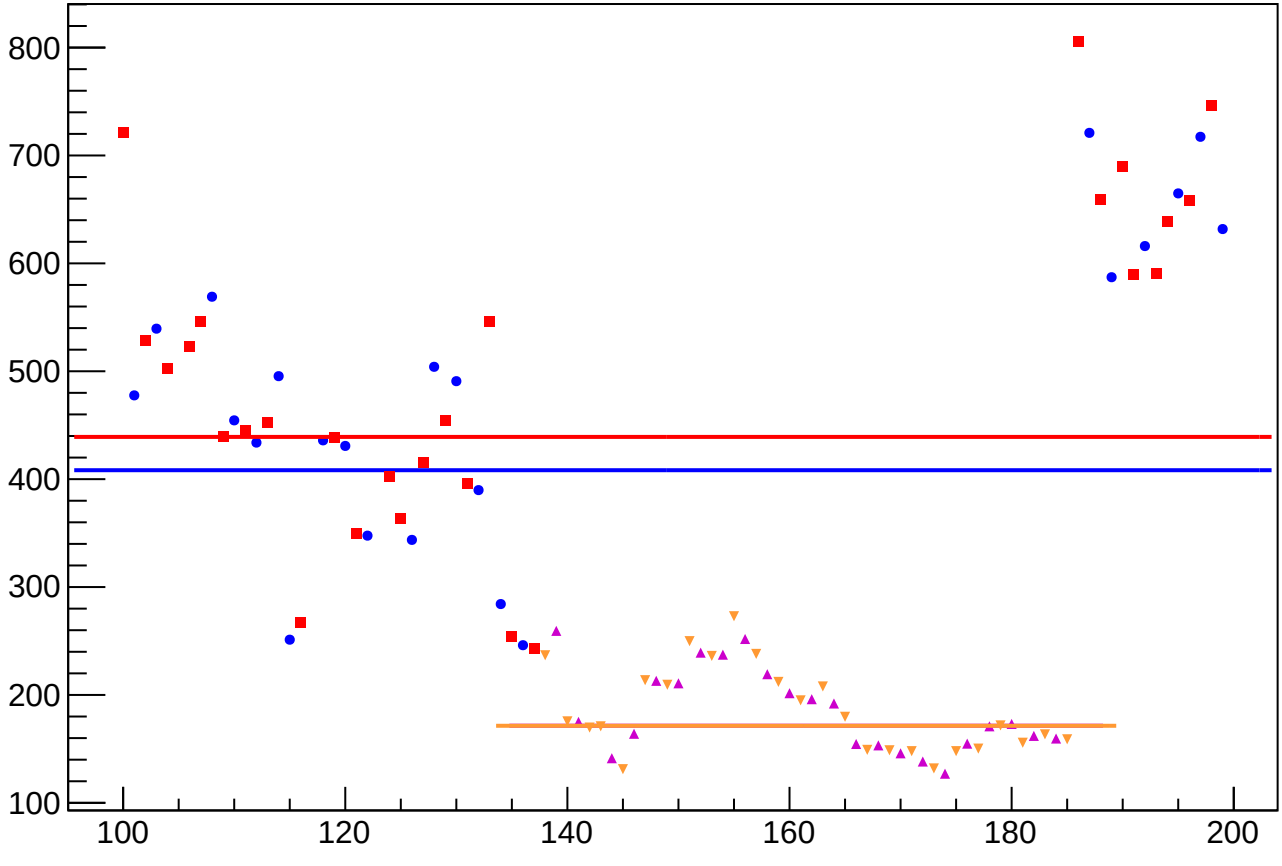
Right: -2.098+/-91.088 χ^2/NDF: 53.8/48

In: -1.793+/-39.023 χ^2/NDF:55.8/44

Out: 142.556+/-38.076 χ^2/NDF:100.1/51

All: 72.154+/-27.253 χ^2/NDF: 162.9/96

asym_sam_1357_2468_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 408.290+/-0.090 χ^2/NDF: 2503118.7/21

Left Out: 171.427+/-0.028 χ^2/NDF:1526852.0/24

Right Out: 439.158+/-0.092 χ^2/NDF: 2506723.1/26

Left In: 171.490+/-0.029 χ^2/NDF:1415769.4/22

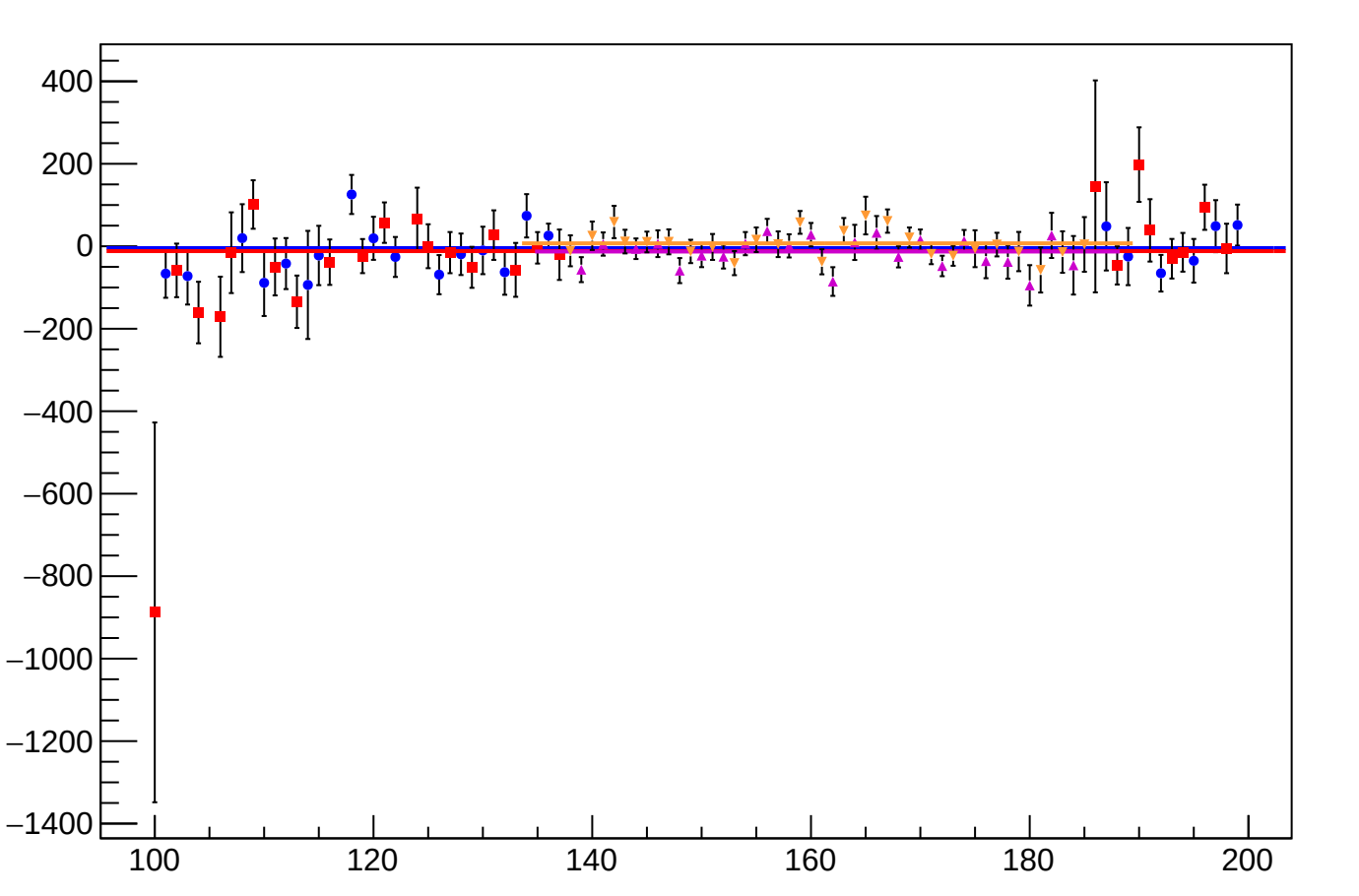
Left: 171.457+/-0.020 χ^2/NDF: 2942623.8/47

Right: 423.518+/-0.064 χ^2/NDF: 5067252.2/48

In: 193.511+/-0.028 χ^2/NDF:10130531.7/44

Out: 194.507+/-0.027 χ^2/NDF:11822939.4/51

All: 194.021+/-0.019 χ^2/NDF: 21954138.9/96



Right In: -4.418+/-11.634 χ^2/NDF: 23.0/21

Left Out: 7.079+/-6.333 χ^2/NDF:22.7/24

Right Out: -11.743+/-11.334 χ^2/NDF: 34.3/26

Left In: -12.697+/-6.513 χ^2/NDF:25.6/22

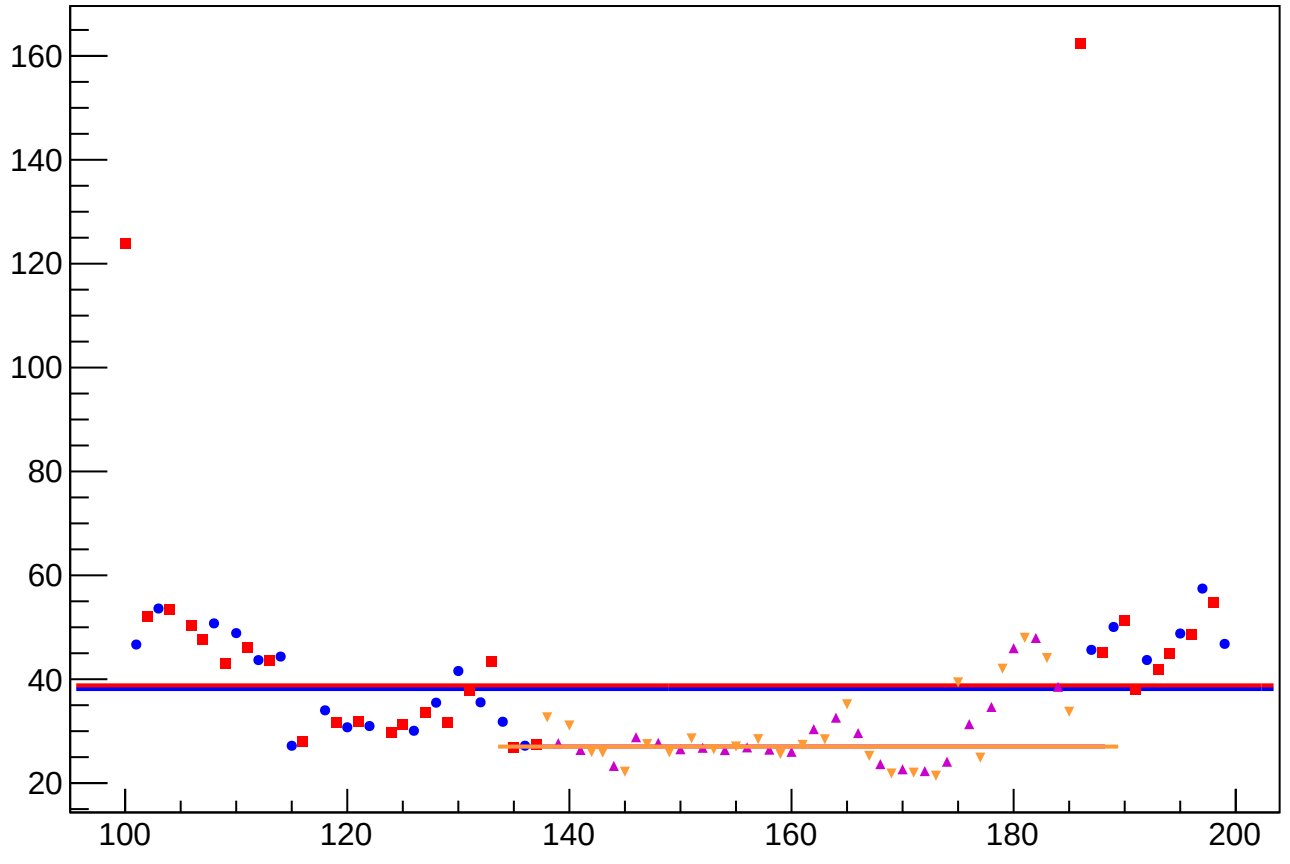
Left: -2.531+/-4.541 χ^2/NDF: 53.1/47

Right: -8.176+/-8.118 χ^2/NDF: 57.5/48

In: -10.721+/-5.683 χ^2/NDF:49.0/44

Out: 2.601+/-5.529 χ^2/NDF:59.1/51

All: -3.876+/-3.963 χ^2/NDF: 110.9/96



Right In: 38.107+/-0.008 χ^2/NDF: 1208032.3/21

Left Out: 27.026+/-0.004 χ^2/NDF:1430534.9/24

Right Out: 38.821+/-0.008 χ^2/NDF: 1682824.0/26

Left In: 27.052+/-0.005 χ^2/NDF:1044338.2/22

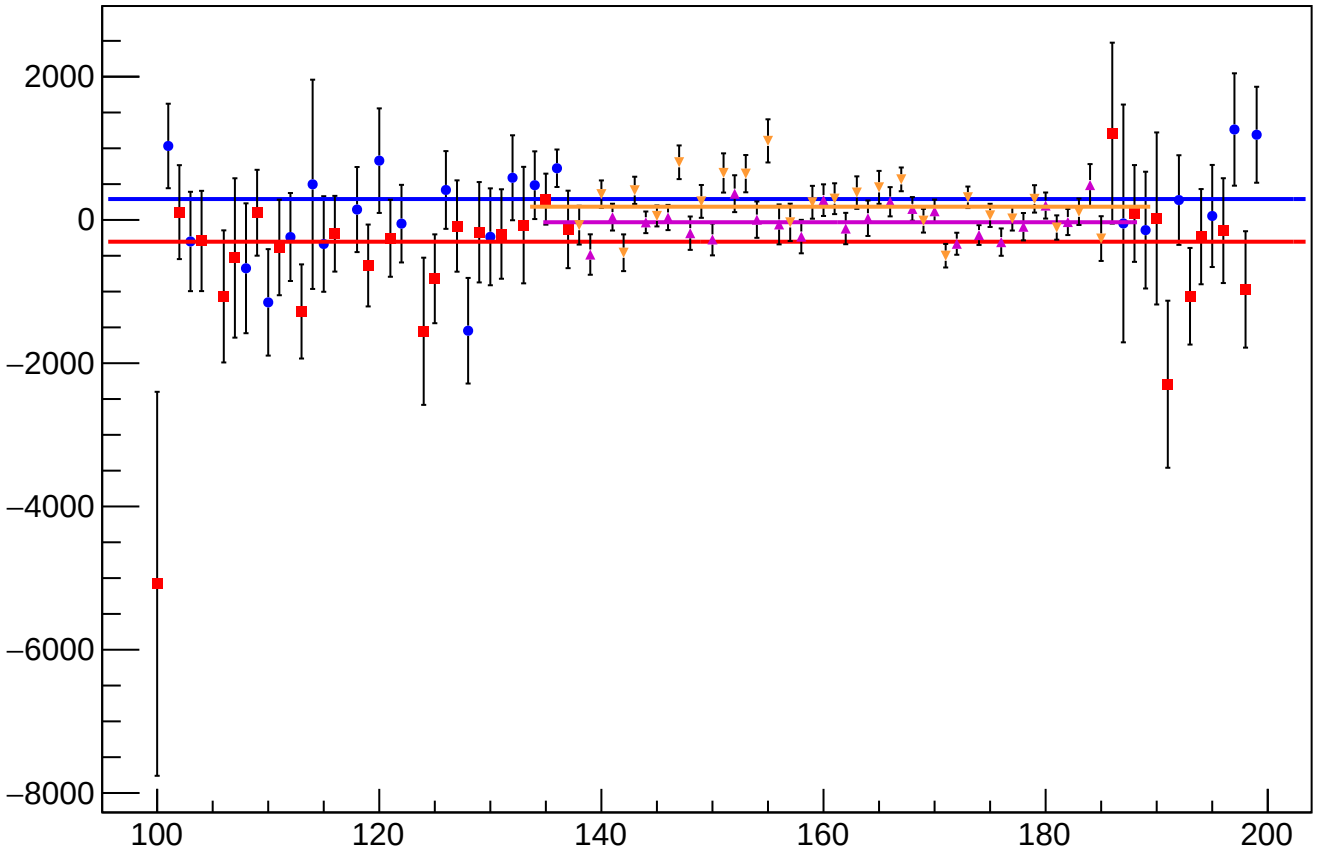
Left: 27.039+/-0.003 χ^2/NDF: 2474889.1/47

Right: 38.473+/-0.006 χ^2/NDF: 2894713.9/48

In: 29.690+/-0.004 χ^2/NDF:3627398.0/44

Out: 29.833+/-0.004 χ^2/NDF:4763753.6/51

All: 29.764+/-0.003 χ^2/NDF: 8391794.5/96



Right In: 291.767+/-127.967 χ^2/NDF: 23.6/21

Left Out: 184.674+/-39.832 χ^2/NDF:67.7/24

Right Out: -303.903+/-129.684 χ^2/NDF: 19.5/26

Left In: -31.891+/-40.975 χ^2/NDF:26.4/22

Left: 79.454+/-28.561 χ^2/NDF: 108.4/47

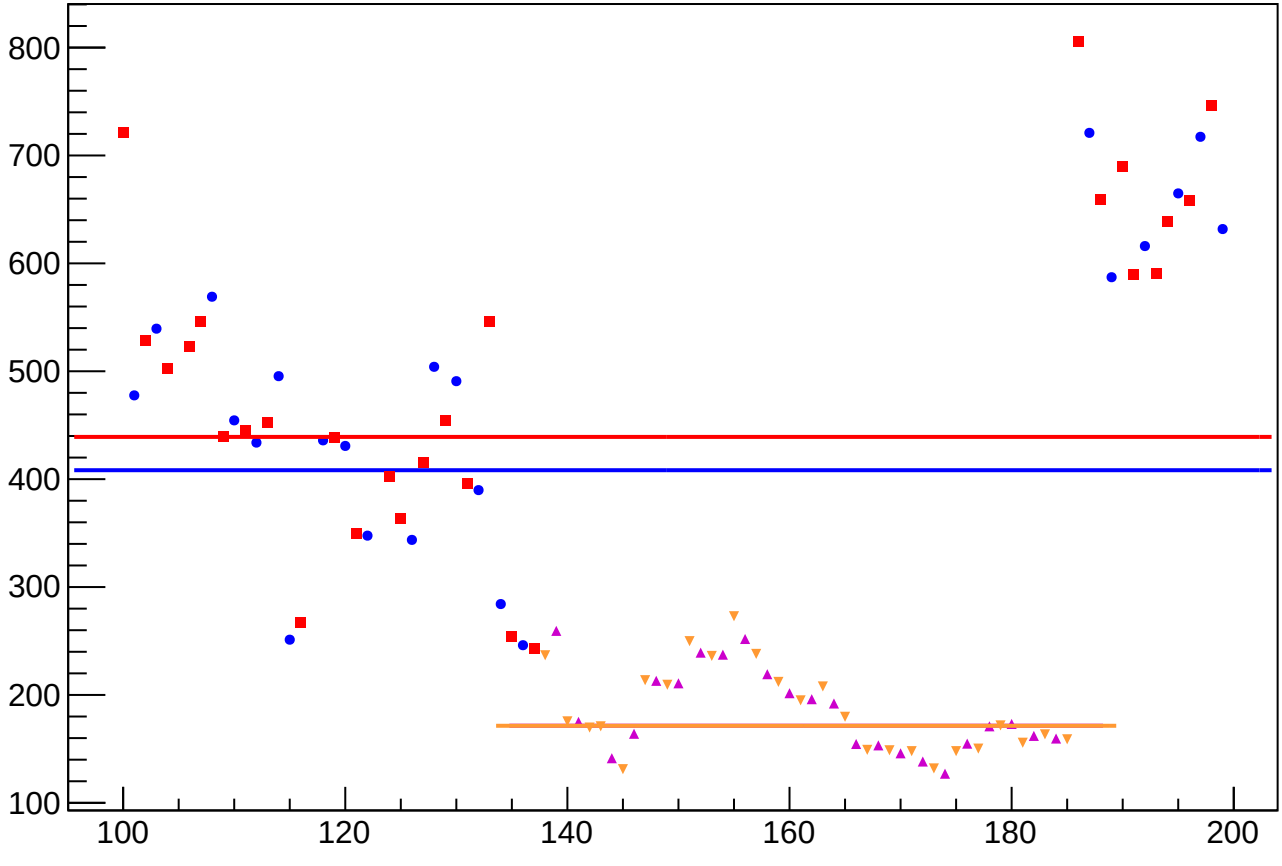
Right: -2.099+/-91.087 χ^2/NDF: 53.8/48

In: -1.793+/-39.023 χ^2/NDF:55.8/44

Out: 142.556+/-38.076 χ^2/NDF:100.1/51

All: 72.154+/-27.253 χ^2/NDF: 162.9/96

asym_sam_1357_2468_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 408.289+/-0.090 χ^2/NDF: 2503121.7/21

Left Out: 171.426+/-0.028 χ^2/NDF:1526868.9/24

Right Out: 439.157+/-0.092 χ^2/NDF: 2506730.3/26

Left In: 171.489+/-0.029 χ^2/NDF:1415782.1/22

Left: 171.457+/-0.020 χ^2/NDF: 2942653.5/47

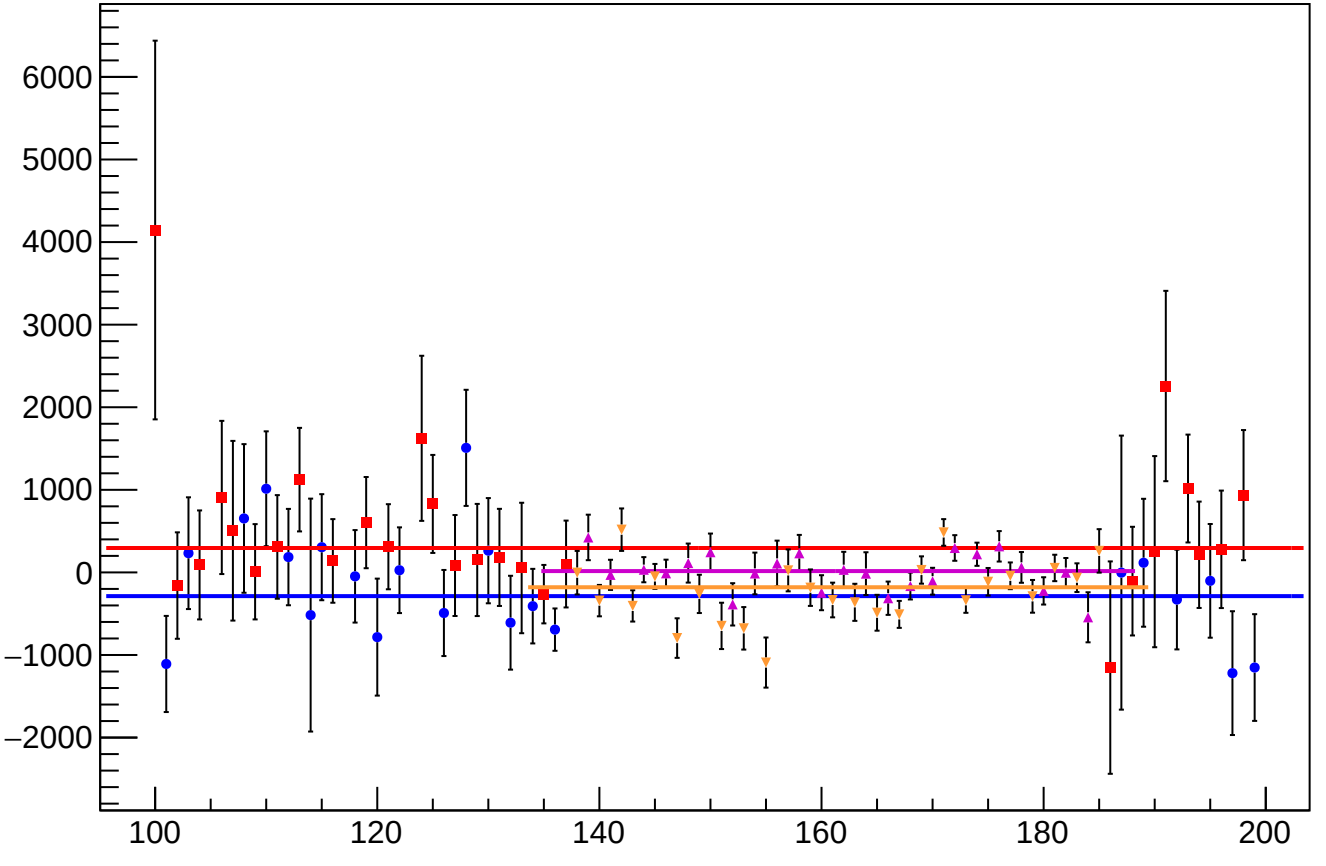
Right: 423.517+/-0.064 χ^2/NDF: 5067262.6/48

In: 193.510+/-0.028 χ^2/NDF:10130560.0/44

Out: 194.506+/-0.027 χ^2/NDF:11822972.6/51

All: 194.020+/-0.019 χ^2/NDF: 21954200.5/96

asym_sam_1357_2468_dd_mean vs Slug, Sign Corrected



Right In: -287.120+/-123.421 χ^2/NDF: 23.8/21

Left Out: -179.656+/-39.364 χ^2/NDF:67.1/24

Right Out: 295.492+/-125.512 χ^2/NDF: 18.2/26

Left In: 16.057+/-40.396 χ^2/NDF:26.6/22

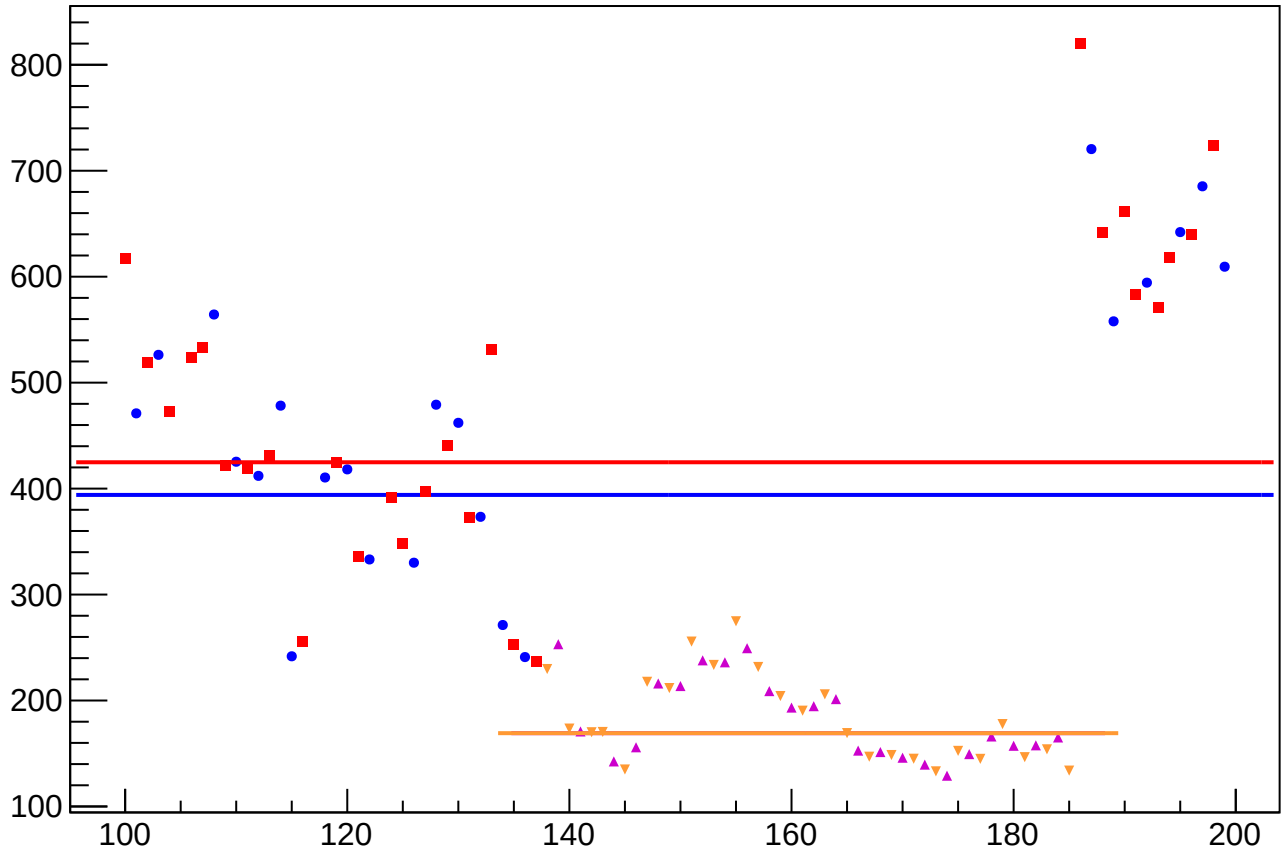
Left: -84.333+/-28.192 χ^2/NDF: 105.8/47

Right: -0.708+/-88.002 χ^2/NDF: 53.0/48

In: -13.279+/-38.392 χ^2/NDF:55.8/44

Out: -137.106+/-37.560 χ^2/NDF:98.4/51

All: -76.549+/-26.848 χ^2/NDF: 159.5/96



Right In: 394.040+/-0.087 χ^2/NDF: 2456867.8/21

Left Out: 169.182+/-0.028 χ^2/NDF:1547748.9/24

Right Out: 424.860+/-0.089 χ^2/NDF: 2496648.2/26

Left In: 169.187+/-0.029 χ^2/NDF:1374439.5/22

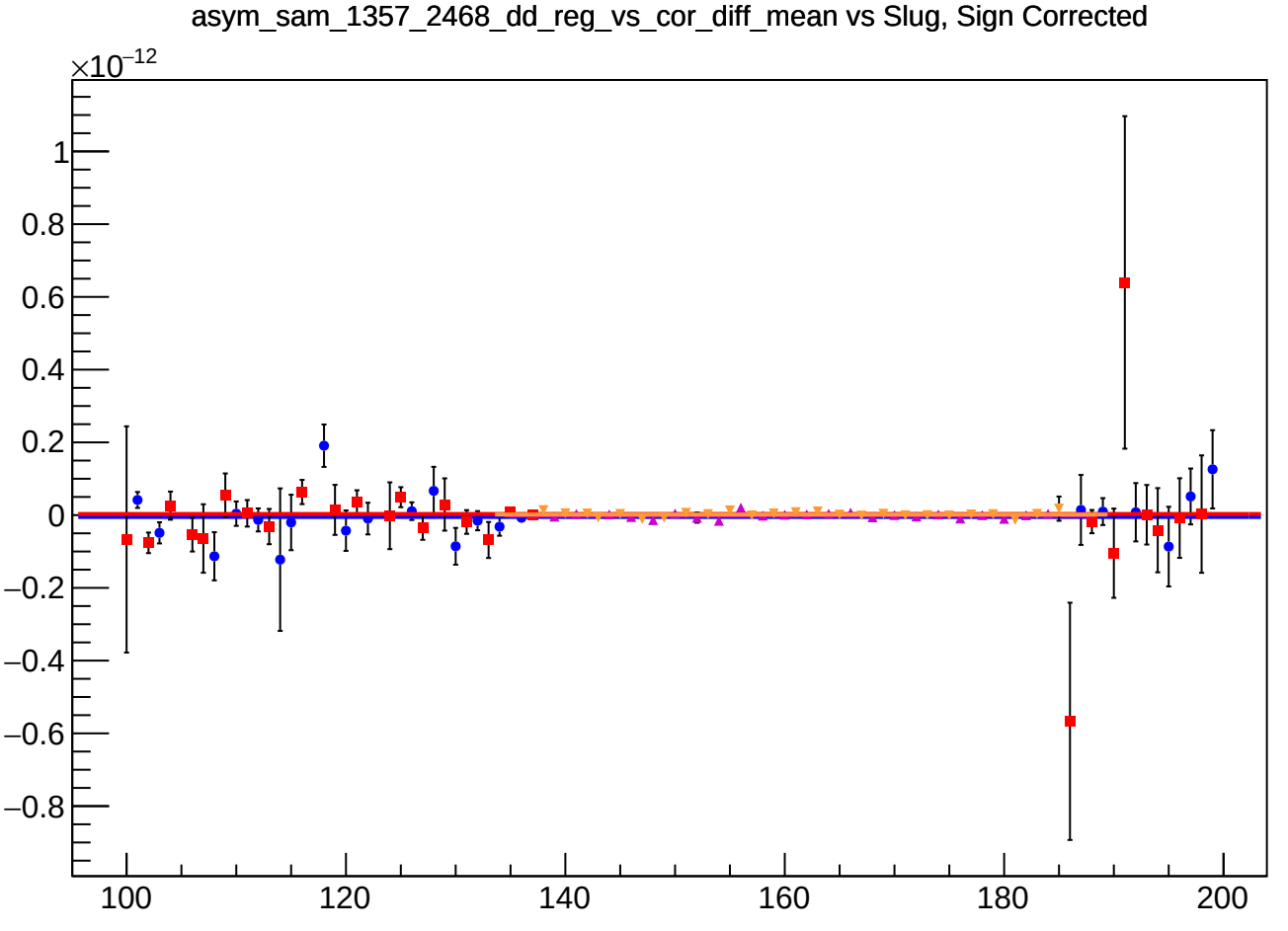
Left: 169.184+/-0.020 χ^2/NDF: 2922188.4/47

Right: 409.191+/-0.062 χ^2/NDF: 5014828.4/48

In: 190.944+/-0.027 χ^2/NDF:9827127.2/44

Out: 192.078+/-0.027 χ^2/NDF:11600570.5/51

All: 191.523+/-0.019 χ^2/NDF: 21428589.0/96



Right In: -0.000+/-0.000 χ^2/NDF: 30.1/21

Left Out: 0.000+/-0.000 χ^2/NDF:18.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 29.4/26

Left In: -0.000+/-0.000 χ^2/NDF:19.7/22

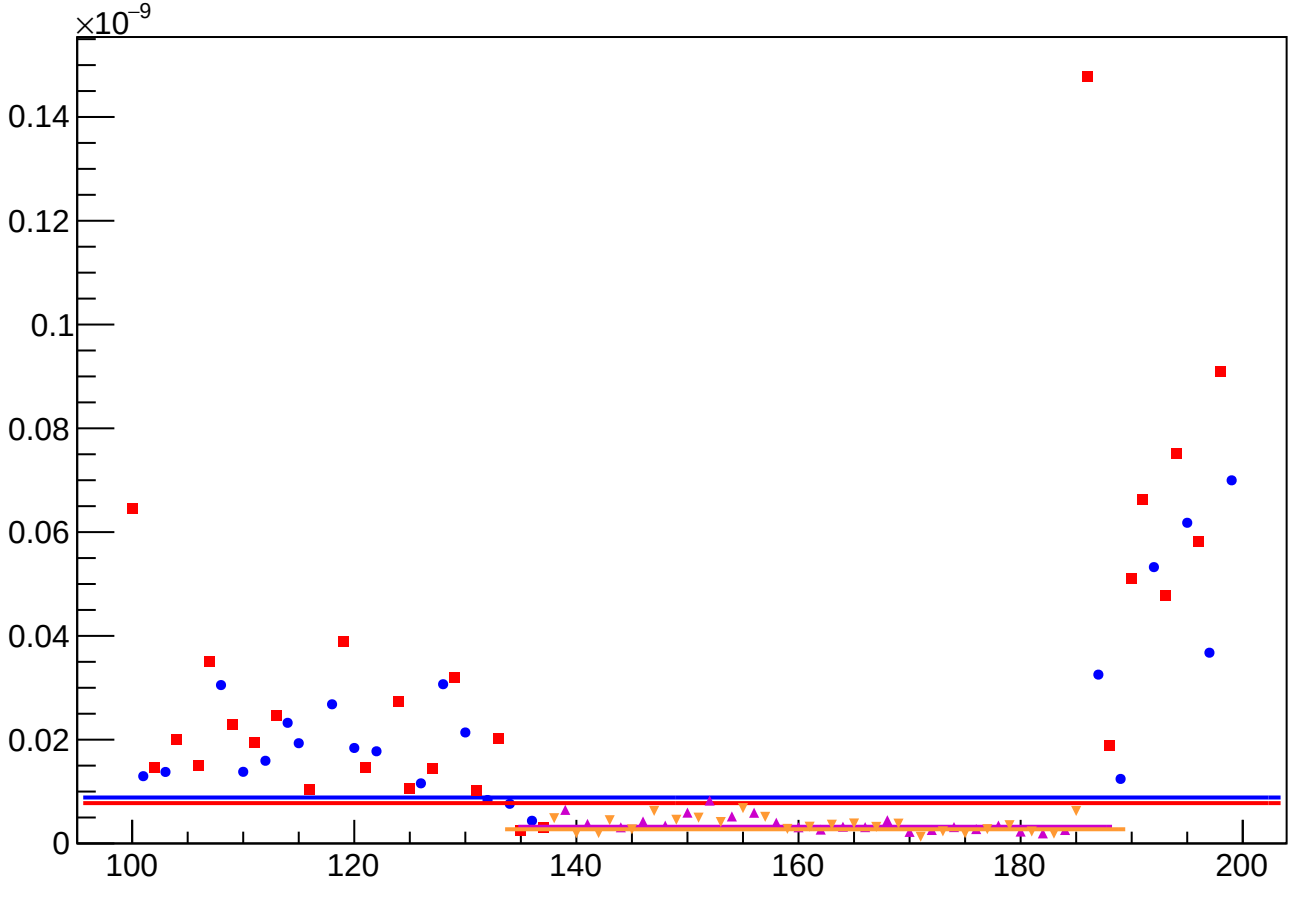
Left: 0.000+/-0.000 χ^2/NDF: 41.2/47

Right: -0.000+/-0.000 χ^2/NDF: 60.6/48

In: -0.000+/-0.000 χ^2/NDF:50.2/44

Out: 0.000+/-0.000 χ^2/NDF:48.3/51

All: 0.000+/-0.000 χ^2/NDF: 101.9/96



Right In: 0.000+/-0.000 χ^2/NDF: 4126045.0/21

Left Out: 0.000+/-0.000 χ^2/NDF:1923193.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6450750.5/26

Left In: 0.000+/-0.000 χ^2/NDF:1355602.1/22

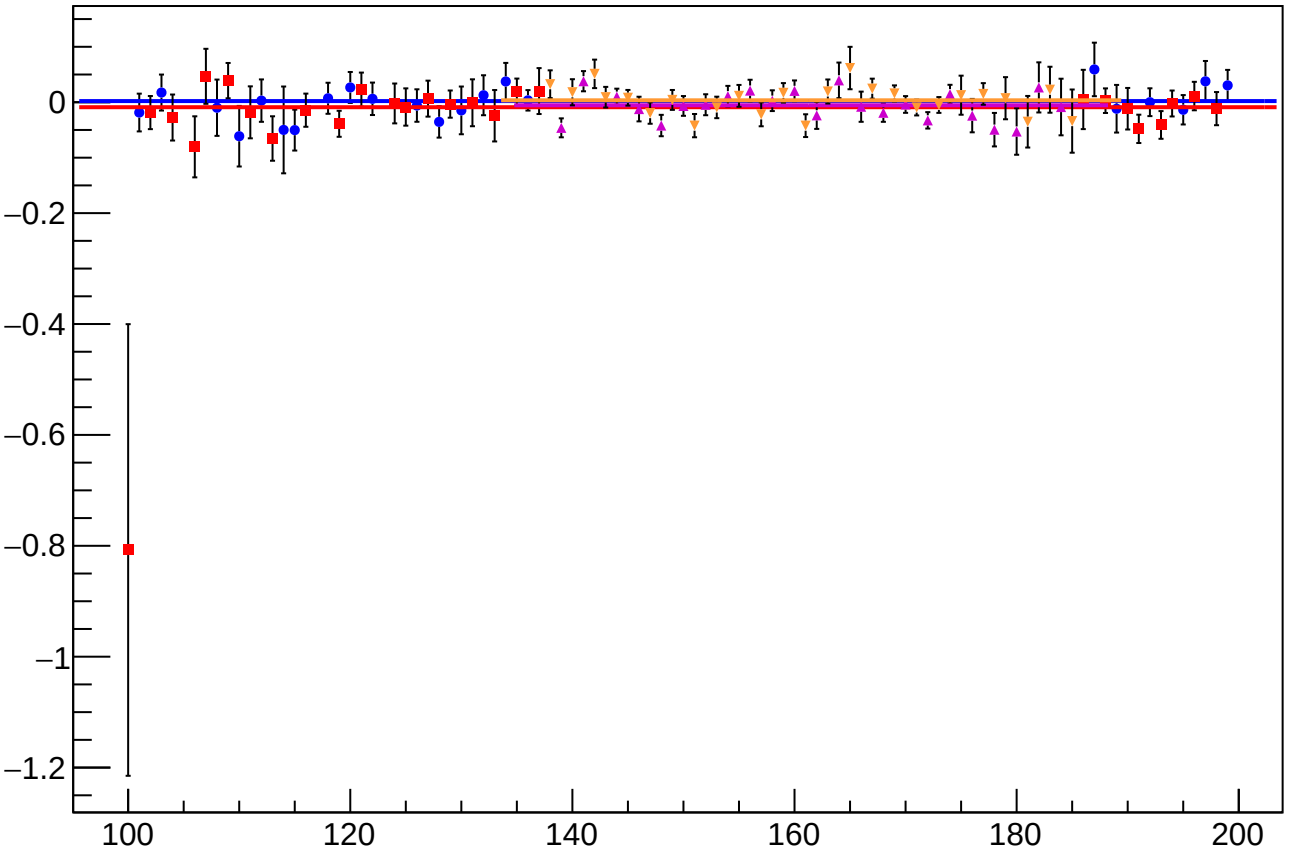
Left: 0.000+/-0.000 χ^2/NDF: 3427530.5/47

Right: 0.000+/-0.000 χ^2/NDF: 10615490.9/48

In: 0.000+/-0.000 χ^2/NDF:7419037.3/44

Out: 0.000+/-0.000 χ^2/NDF:10014383.1/51

All: 0.000+/-0.000 χ^2/NDF: 17651010.5/96



Right In: 0.002+/-0.007 χ^2/NDF: 12.3/21

Left Out: 0.003+/-0.004 χ^2/NDF:26.9/24

Right Out: -0.009+/-0.006 χ^2/NDF: 21.4/26

Left In: -0.005+/-0.004 χ^2/NDF:33.2/22

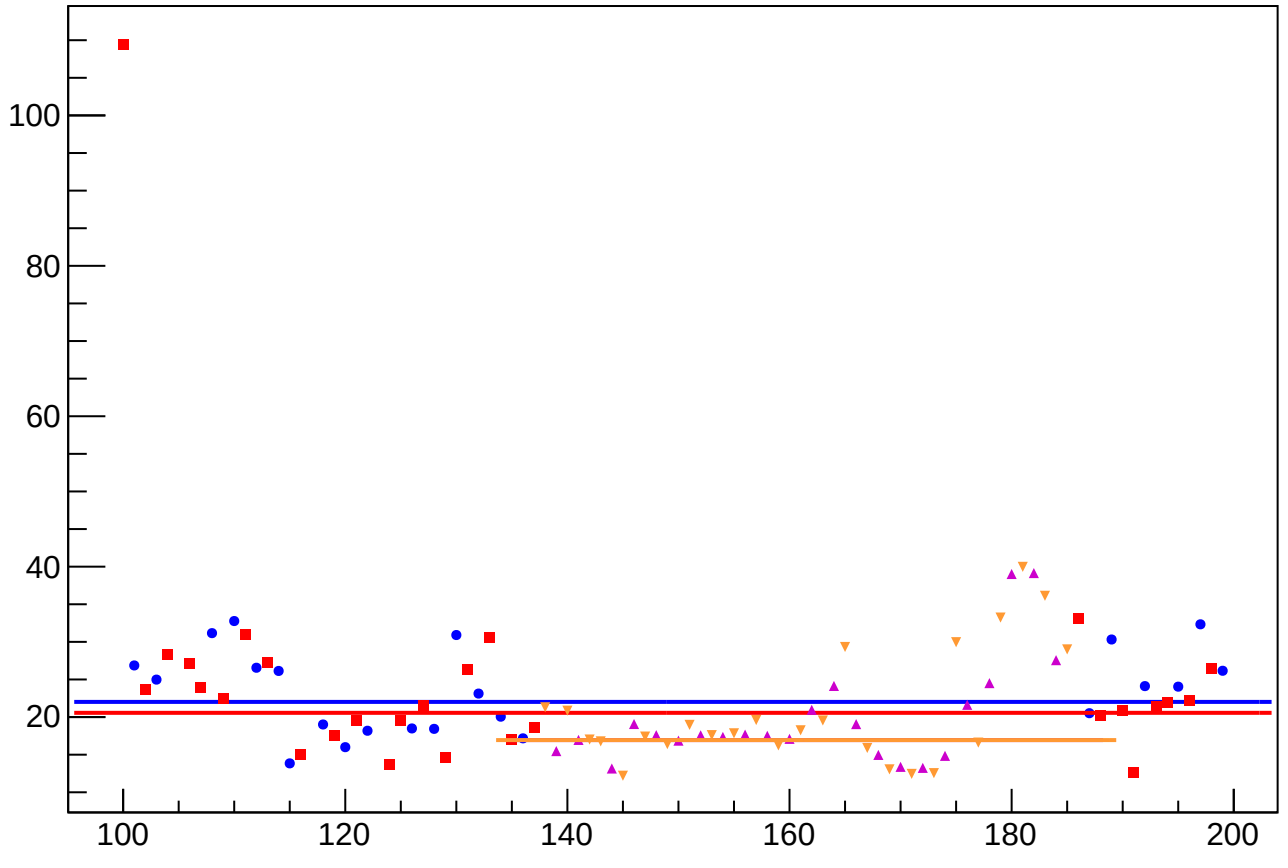
Left: -0.001+/-0.003 χ^2/NDF: 62.5/47

Right: -0.004+/-0.005 χ^2/NDF: 35.1/48

In: -0.003+/-0.004 χ^2/NDF:46.4/44

Out: -0.000+/-0.003 χ^2/NDF:51.2/51

All: -0.002+/-0.002 χ^2/NDF: 98.0/96



Right In: 22.018+/-0.005 χ^2/NDF: 1079027.4/21

Left Out: 16.939+/-0.003 χ^2/NDF:2836877.8/24

Right Out: 20.565+/-0.004 χ^2/NDF: 1267332.1/26

Left In: 16.943+/-0.003 χ^2/NDF:1941845.2/22

Left: 16.941+/-0.002 χ^2/NDF: 4778723.9/47

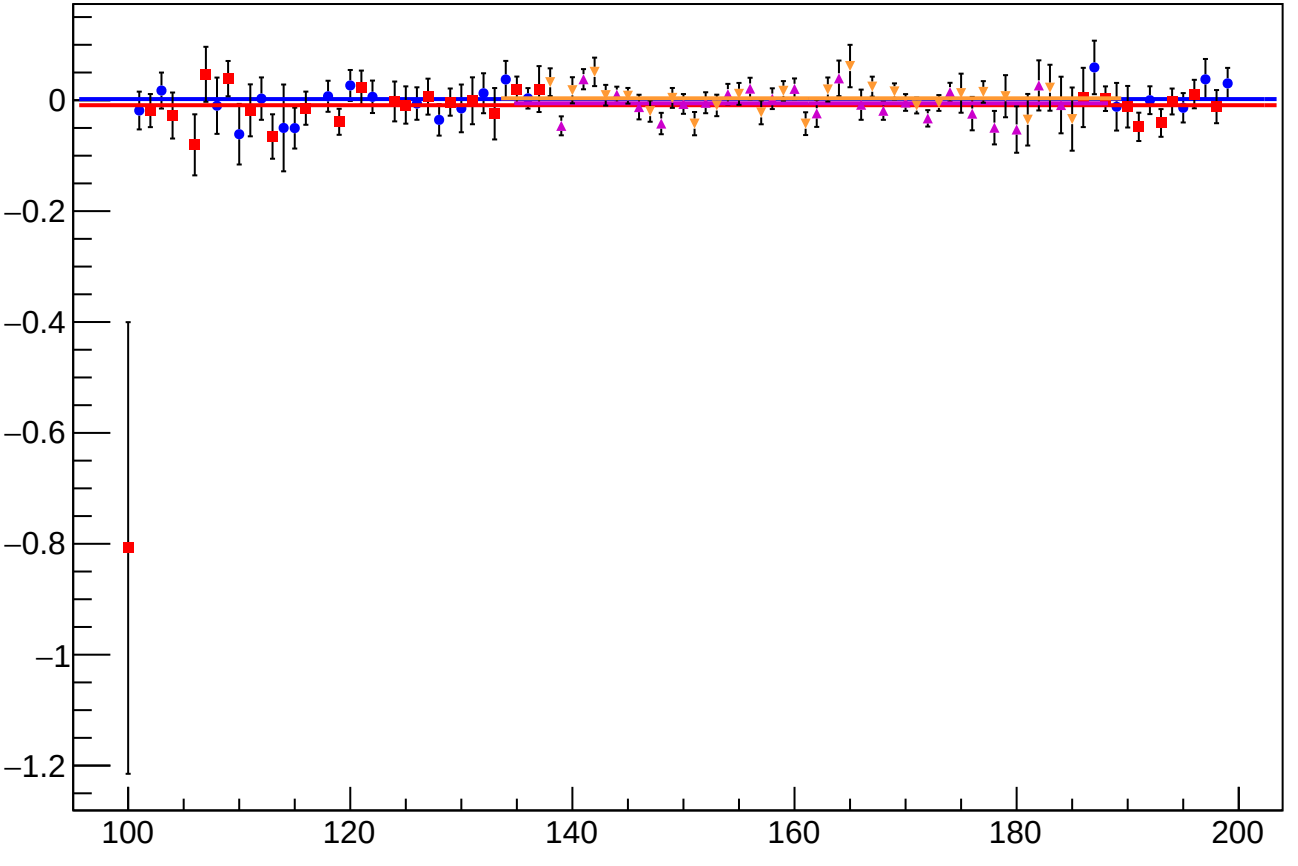
Right: 21.210+/-0.003 χ^2/NDF: 2396621.2/48

In: 18.329+/-0.003 χ^2/NDF:3822026.0/44

Out: 18.061+/-0.002 χ^2/NDF:4590431.6/51

All: 18.188+/-0.002 χ^2/NDF: 8418378.7/96

asym_sam_1357_2468_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.002+/-0.007 χ^2/NDF: 12.3/21

Left Out: 0.003+/-0.004 χ^2/NDF:26.9/24

Right Out: -0.009+/-0.006 χ^2/NDF: 21.4/26

Left In: -0.005+/-0.004 χ^2/NDF:33.2/22

Left: -0.001+/-0.003 χ^2/NDF: 62.5/47

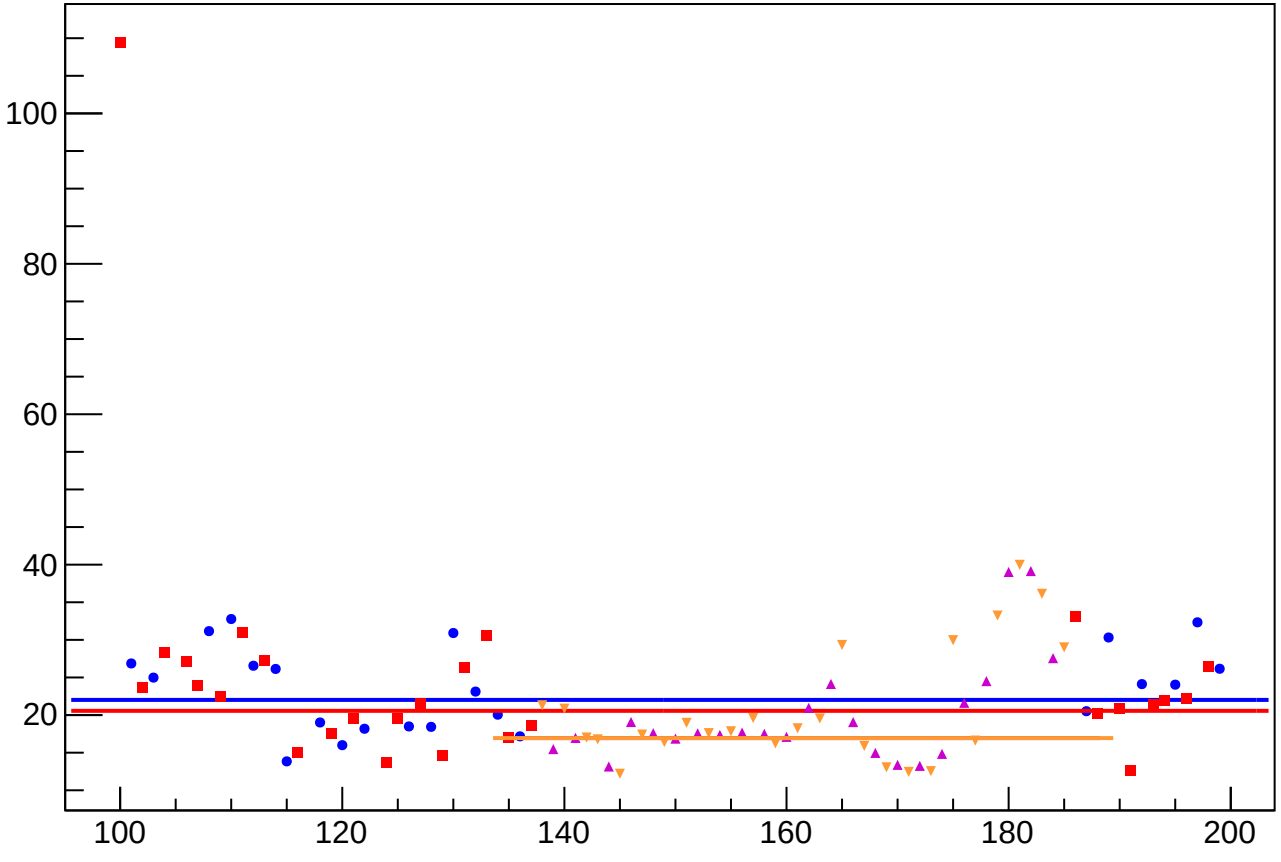
Right: -0.004+/-0.005 χ^2/NDF: 35.1/48

In: -0.003+/-0.004 χ^2/NDF:46.4/44

Out: -0.000+/-0.003 χ^2/NDF:51.2/51

All: -0.002+/-0.002 χ^2/NDF: 98.0/96

asym_sam_1357_2468_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 22.018+/-0.005 χ^2/NDF: 1079027.4/21

Left Out: 16.939+/-0.003 χ^2/NDF:2836877.8/24

Right Out: 20.565+/-0.004 χ^2/NDF: 1267332.1/26

Left In: 16.943+/-0.003 χ^2/NDF:1941845.2/22

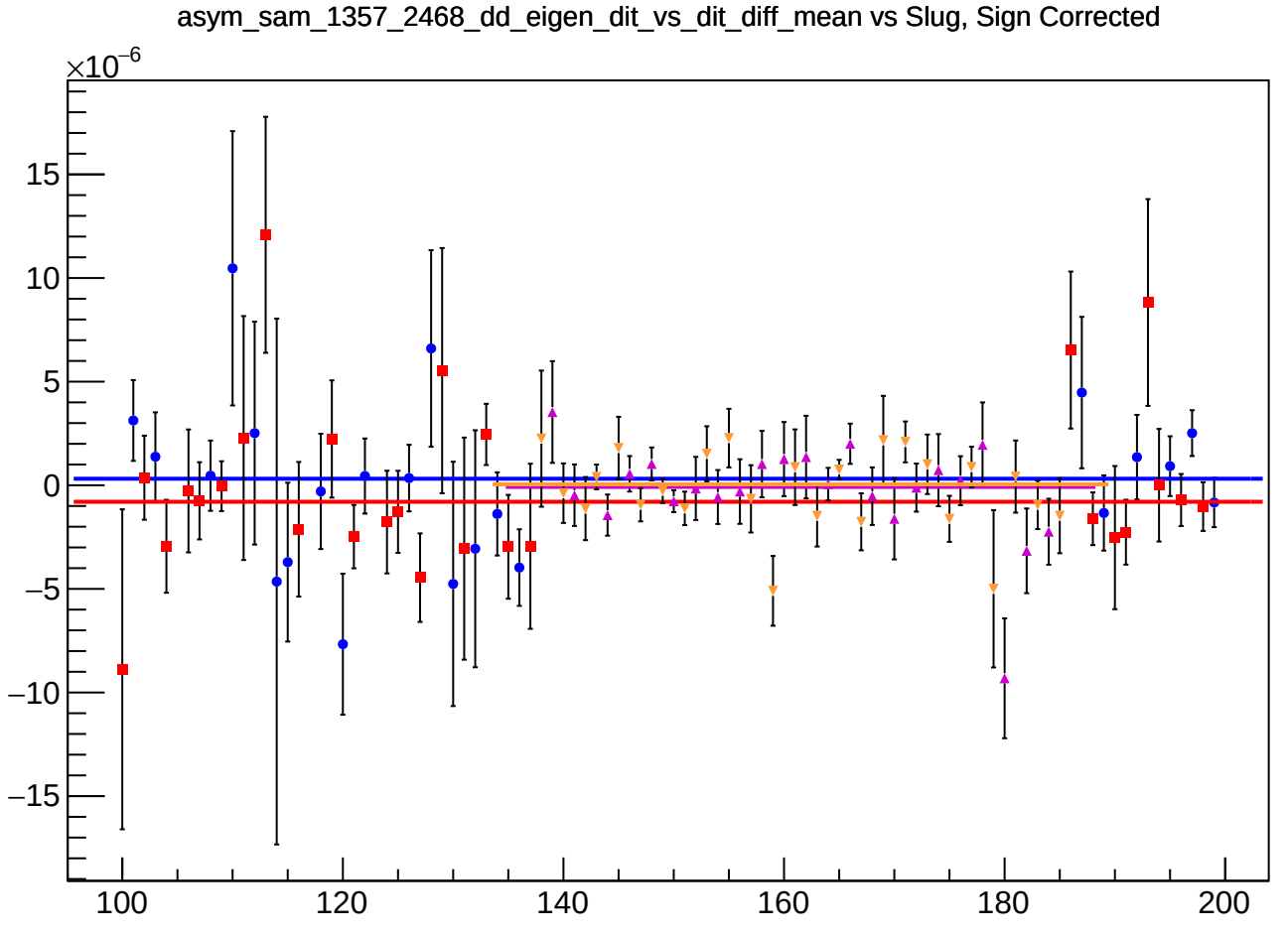
Left: 16.941+/-0.002 χ^2/NDF: 4778723.9/47

Right: 21.210+/-0.003 χ^2/NDF: 2396621.2/48

In: 18.329+/-0.003 χ^2/NDF:3822026.0/44

Out: 18.061+/-0.002 χ^2/NDF:4590431.6/51

All: 18.188+/-0.002 χ^2/NDF: 8418378.7/96



Right In: 0.000+/-0.000 χ^2/NDF: 28.1/21

Left Out: 0.000+/-0.000 χ^2/NDF:37.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 30.2/26

Left In: -0.000+/-0.000 χ^2/NDF:31.0/22

Left: -0.000+/-0.000 χ^2/NDF: 68.3/47

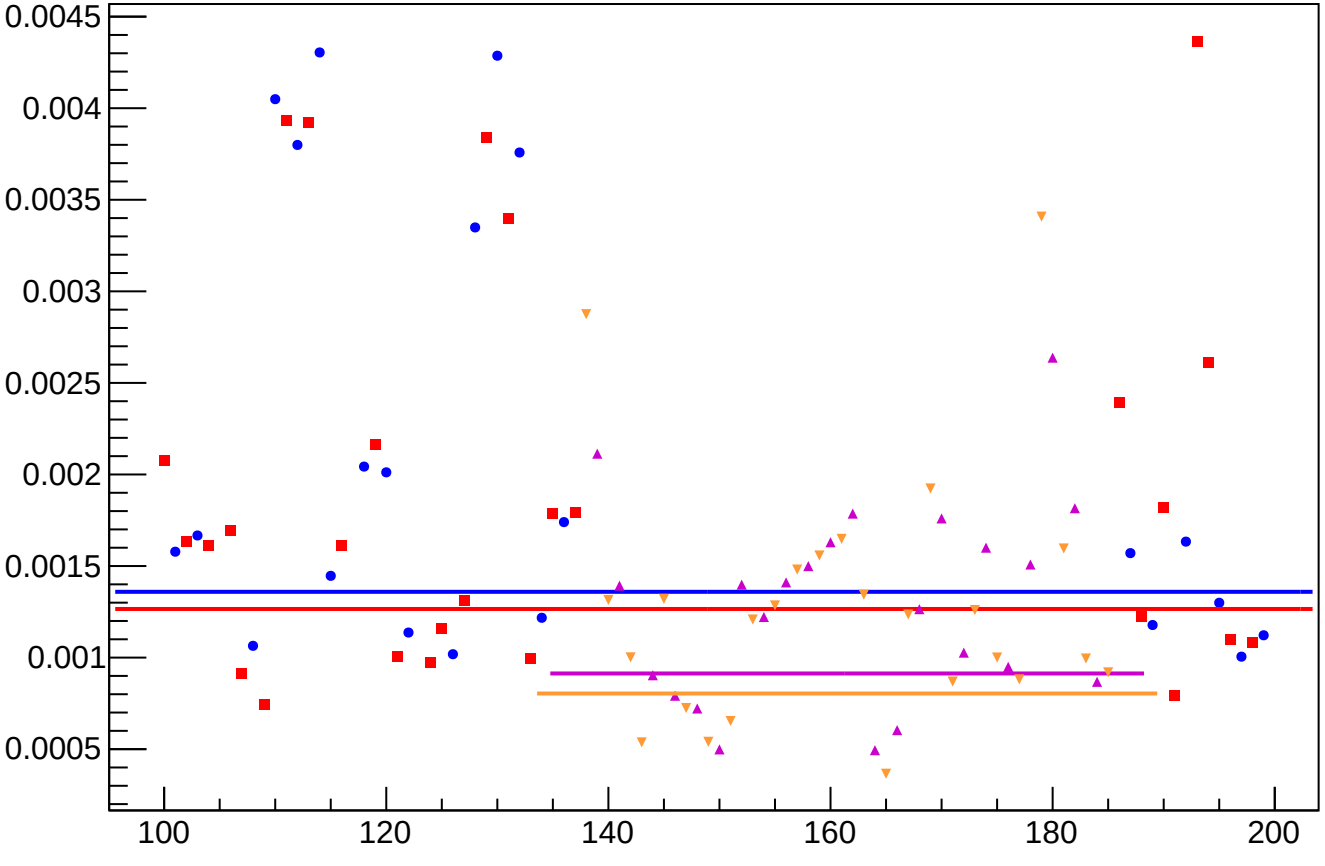
Right: -0.000+/-0.000 χ^2/NDF: 61.7/48

In: 0.000+/-0.000 χ^2/NDF:59.6/44

Out: -0.000+/-0.000 χ^2/NDF:70.8/51

All: -0.000+/-0.000 χ^2/NDF: 130.8/96

asym_sam_1357_2468_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 2935949.5/21

Left Out: 0.001+/-0.000 χ^2/NDF:8261261.7/24

Right Out: 0.001+/-0.000 χ^2/NDF: 4430007.8/26

Left In: 0.001+/-0.000 χ^2/NDF:6446479.8/22

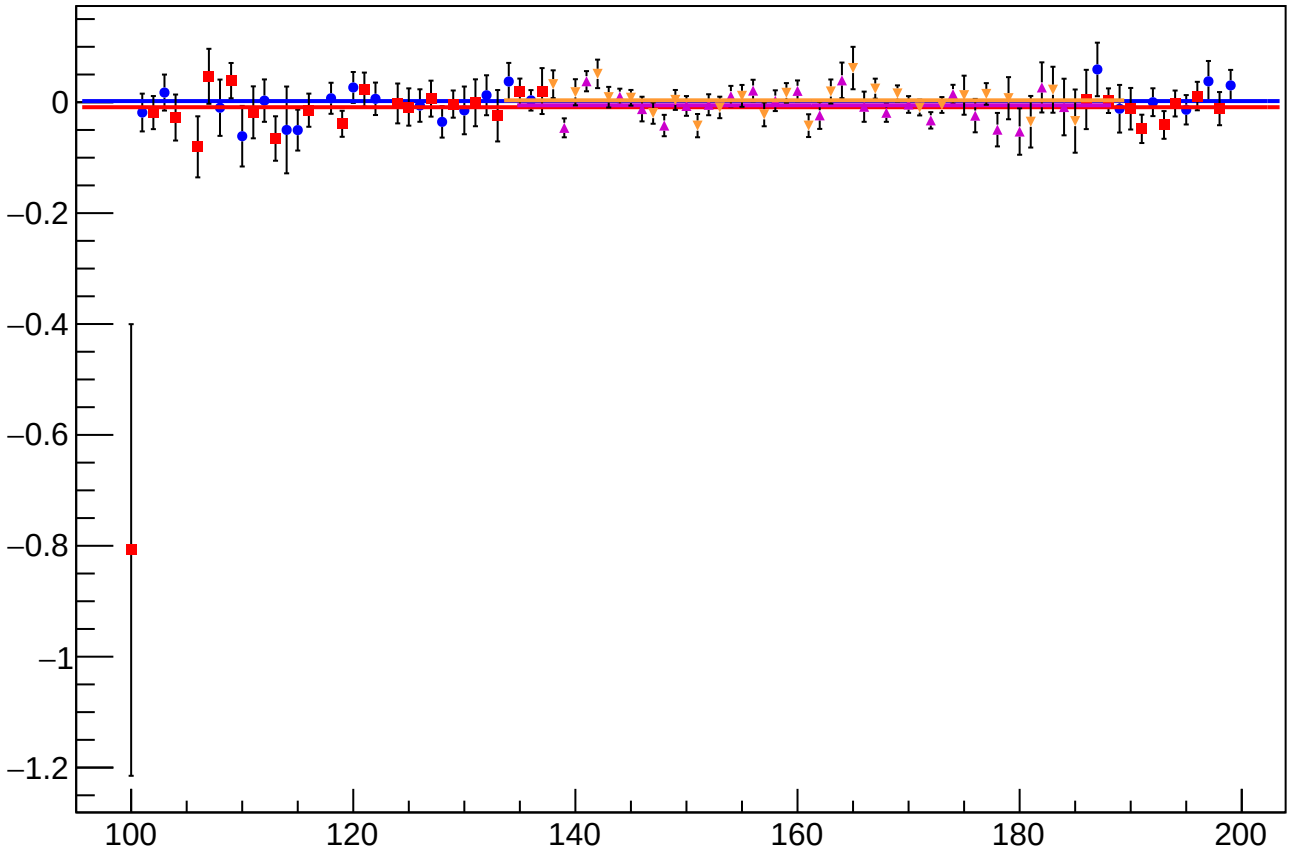
Left: 0.001+/-0.000 χ^2/NDF: 14939708.4/47

Right: 0.001+/-0.000 χ^2/NDF: 7415877.9/48

In: 0.001+/-0.000 χ^2/NDF:10947084.9/44

Out: 0.001+/-0.000 χ^2/NDF:14810625.9/51

All: 0.001+/-0.000 χ^2/NDF: 26080963.8/96



Right In: 0.002+/-0.007 χ^2/NDF: 12.3/21

Left Out: 0.003+/-0.004 χ^2/NDF:26.9/24

Right Out: -0.009+/-0.006 χ^2/NDF: 21.4/26

Left In: -0.005+/-0.004 χ^2/NDF:33.2/22

Left: -0.001+/-0.003 χ^2/NDF: 62.5/47

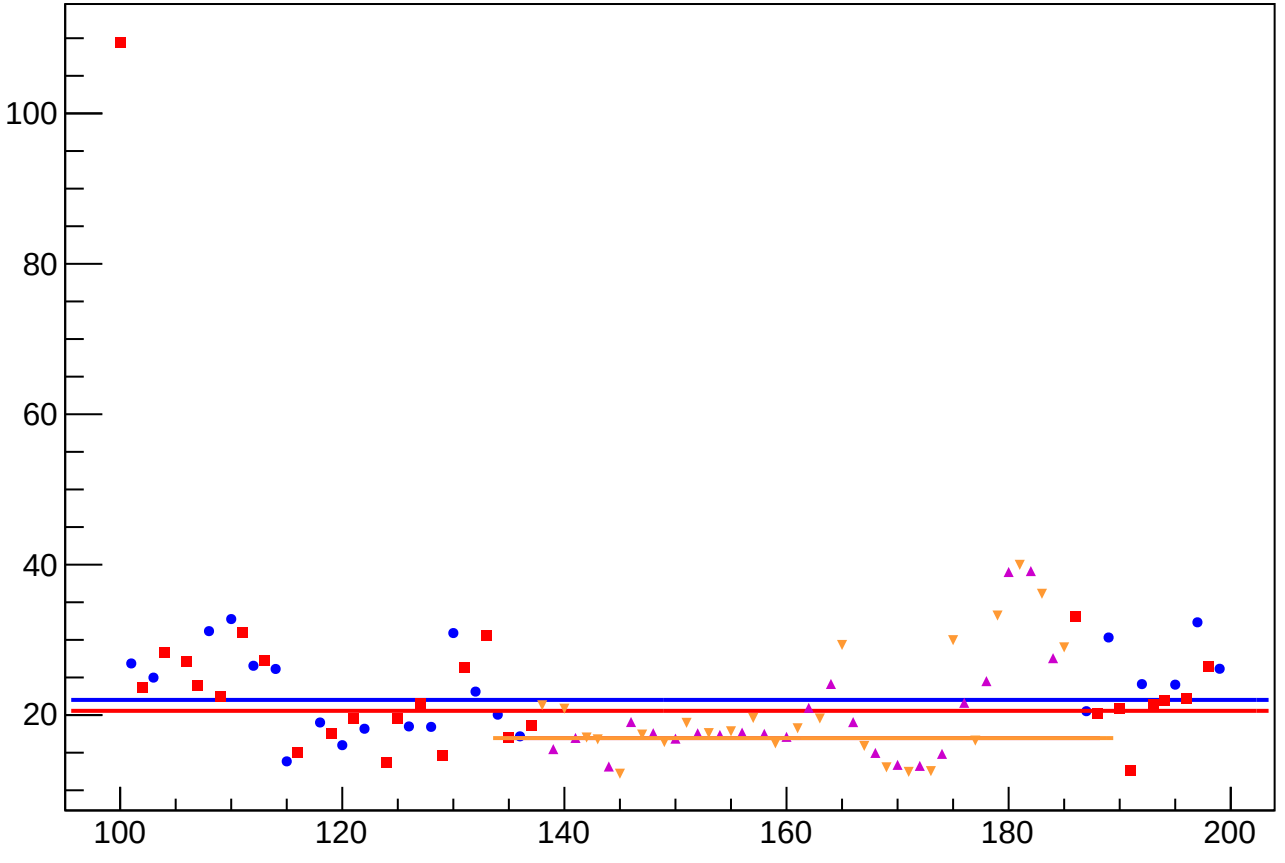
Right: -0.004+/-0.005 χ^2/NDF: 35.1/48

In: -0.003+/-0.004 χ^2/NDF:46.4/44

Out: -0.000+/-0.003 χ^2/NDF:51.2/51

All: -0.002+/-0.002 χ^2/NDF: 98.0/96

asym_sam_1357_2468_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 22.018+/-0.005 χ^2/NDF: 1078985.8/21

Left Out: 16.939+/-0.003 χ^2/NDF:2836863.1/24

Right Out: 20.564+/-0.004 χ^2/NDF: 1267354.9/26

Left In: 16.943+/-0.003 χ^2/NDF:1941834.9/22

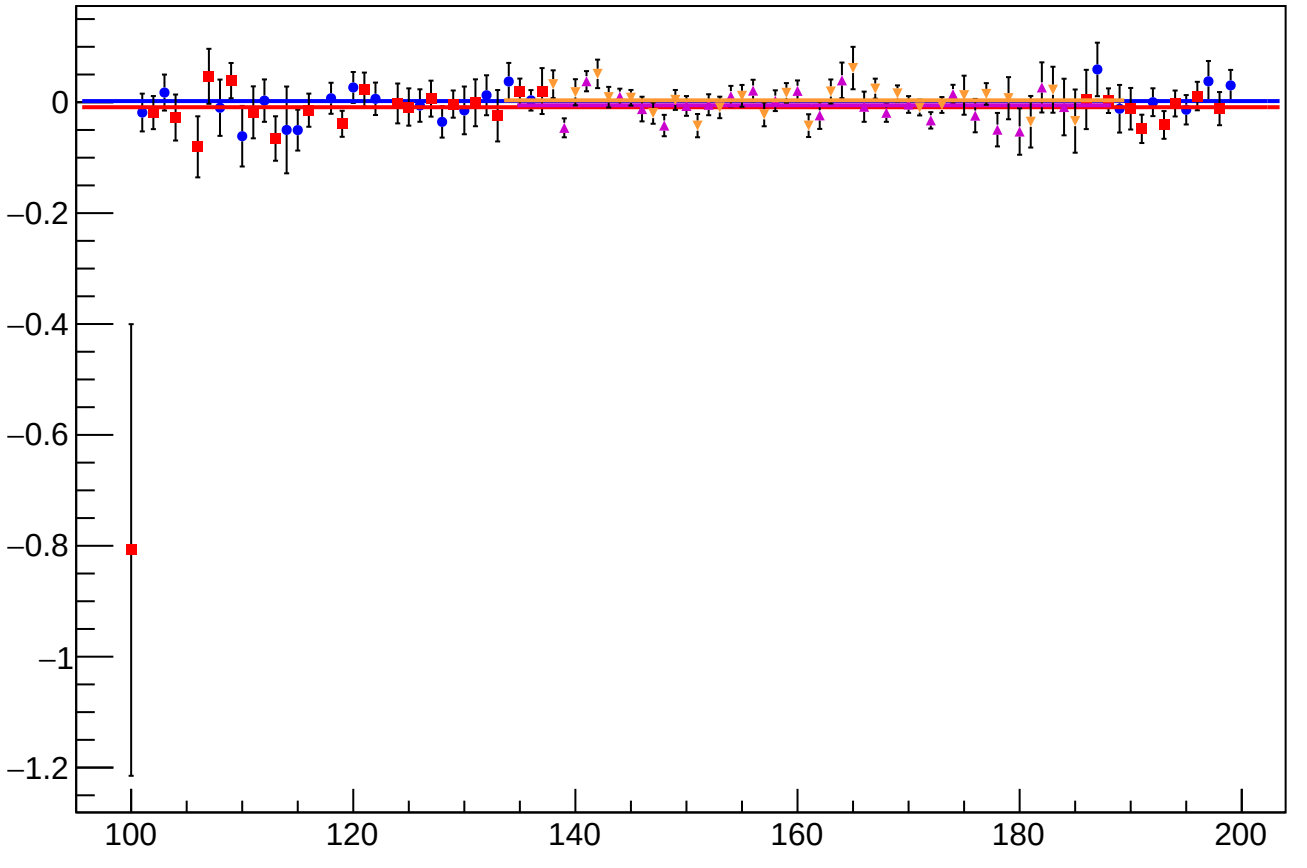
Left: 16.941+/-0.002 χ^2/NDF: 4778698.8/47

Right: 21.210+/-0.003 χ^2/NDF: 2396603.8/48

In: 18.329+/-0.003 χ^2/NDF:3821826.6/44

Out: 18.061+/-0.002 χ^2/NDF:4590291.8/51

All: 18.188+/-0.002 χ^2/NDF: 8418038.7/96



Right In: 0.002+/-0.007 χ^2/NDF: 12.3/21

Left Out: 0.003+/-0.004 χ^2/NDF:26.9/24

Right Out: -0.009+/-0.006 χ^2/NDF: 21.4/26

Left In: -0.005+/-0.004 χ^2/NDF:33.2/22

Left: -0.001+/-0.003 χ^2/NDF: 62.5/47

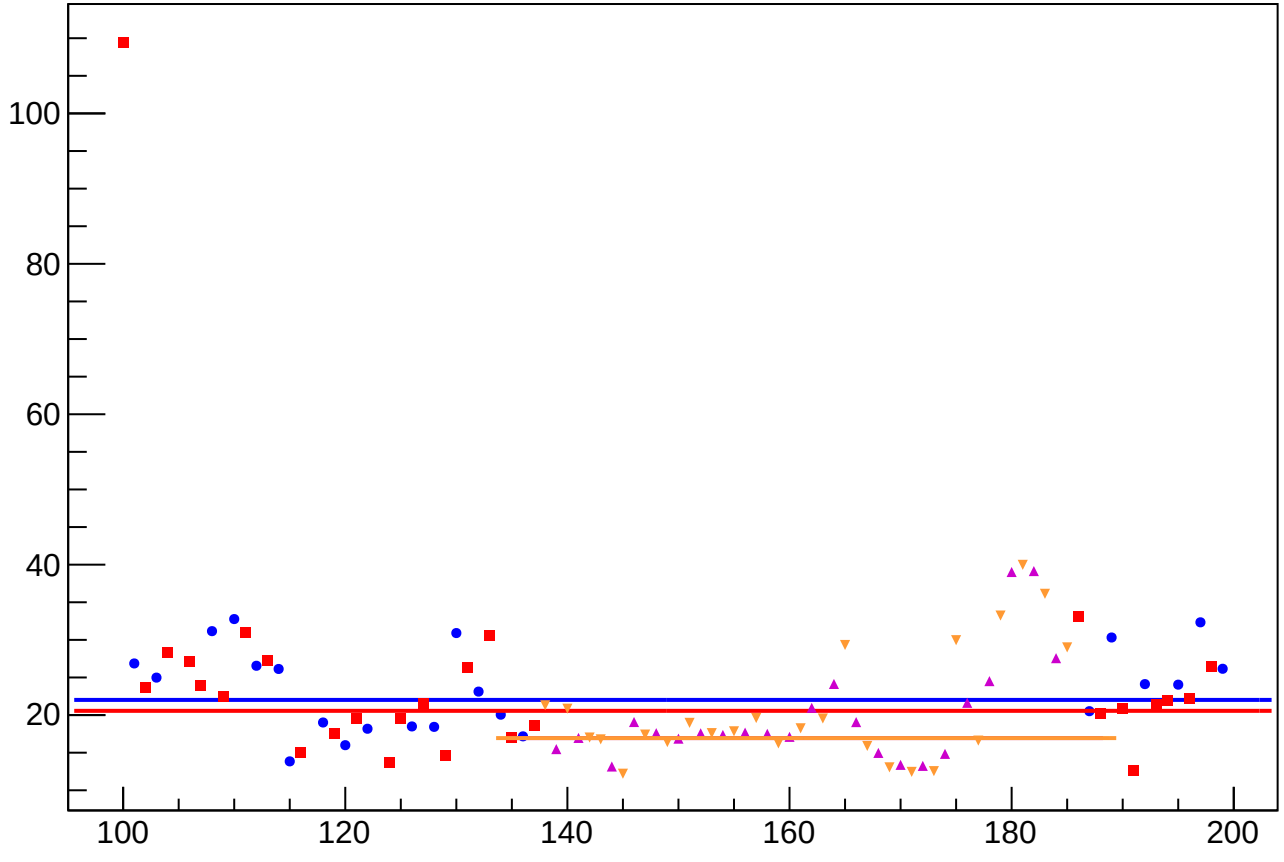
Right: -0.004+/-0.005 χ^2/NDF: 35.1/48

In: -0.003+/-0.004 χ^2/NDF:46.4/44

Out: -0.000+/-0.003 χ^2/NDF:51.2/51

All: -0.002+/-0.002 χ^2/NDF: 98.0/96

asym_sam_1357_2468_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 22.018+/-0.005 χ^2/NDF: 1078985.8/21

Left Out: 16.939+/-0.003 χ^2/NDF:2836863.1/24

Right Out: 20.564+/-0.004 χ^2/NDF: 1267354.9/26

Left In: 16.943+/-0.003 χ^2/NDF:1941834.9/22

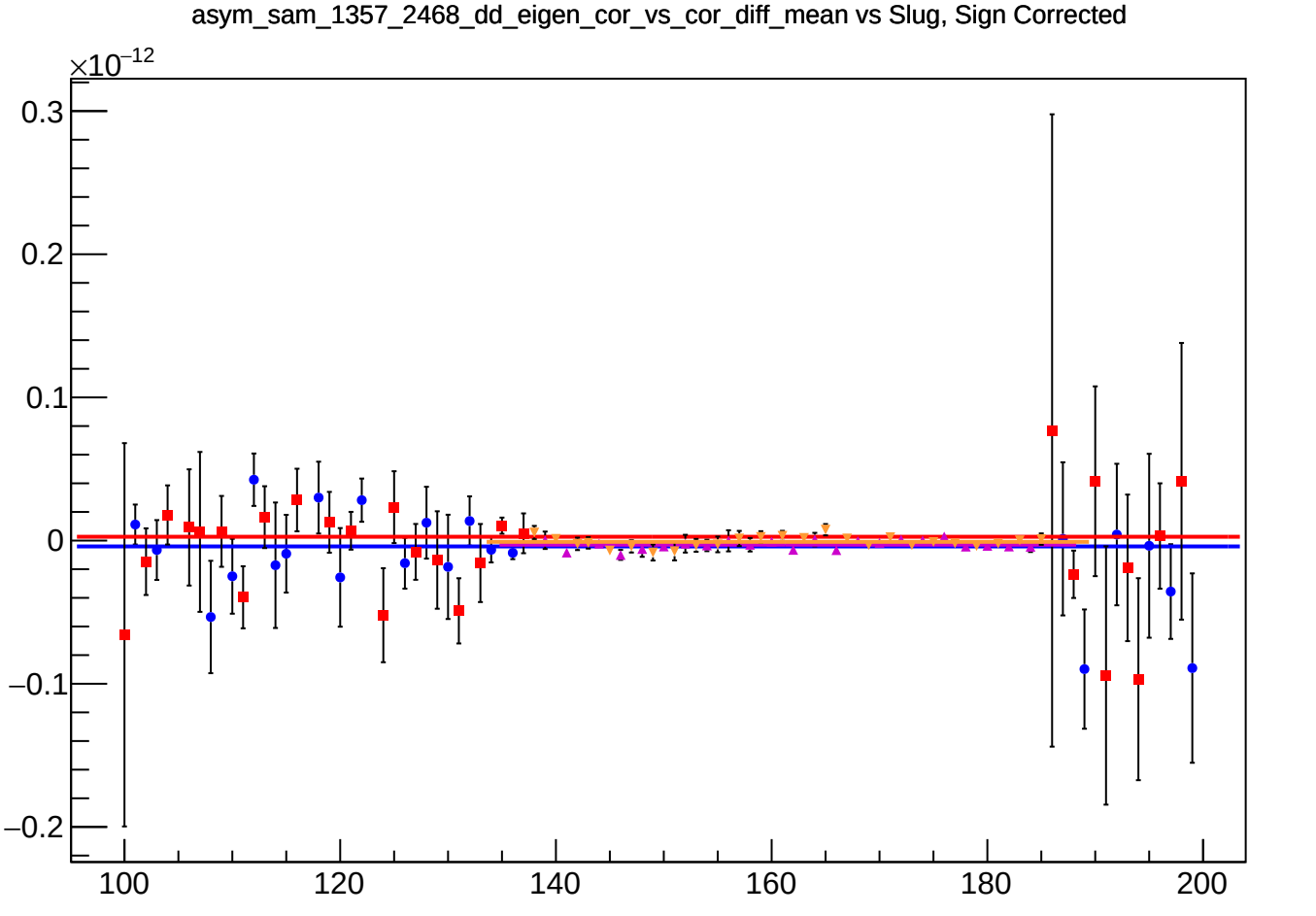
Left: 16.941+/-0.002 χ^2/NDF: 4778698.8/47

Right: 21.210+/-0.003 χ^2/NDF: 2396603.8/48

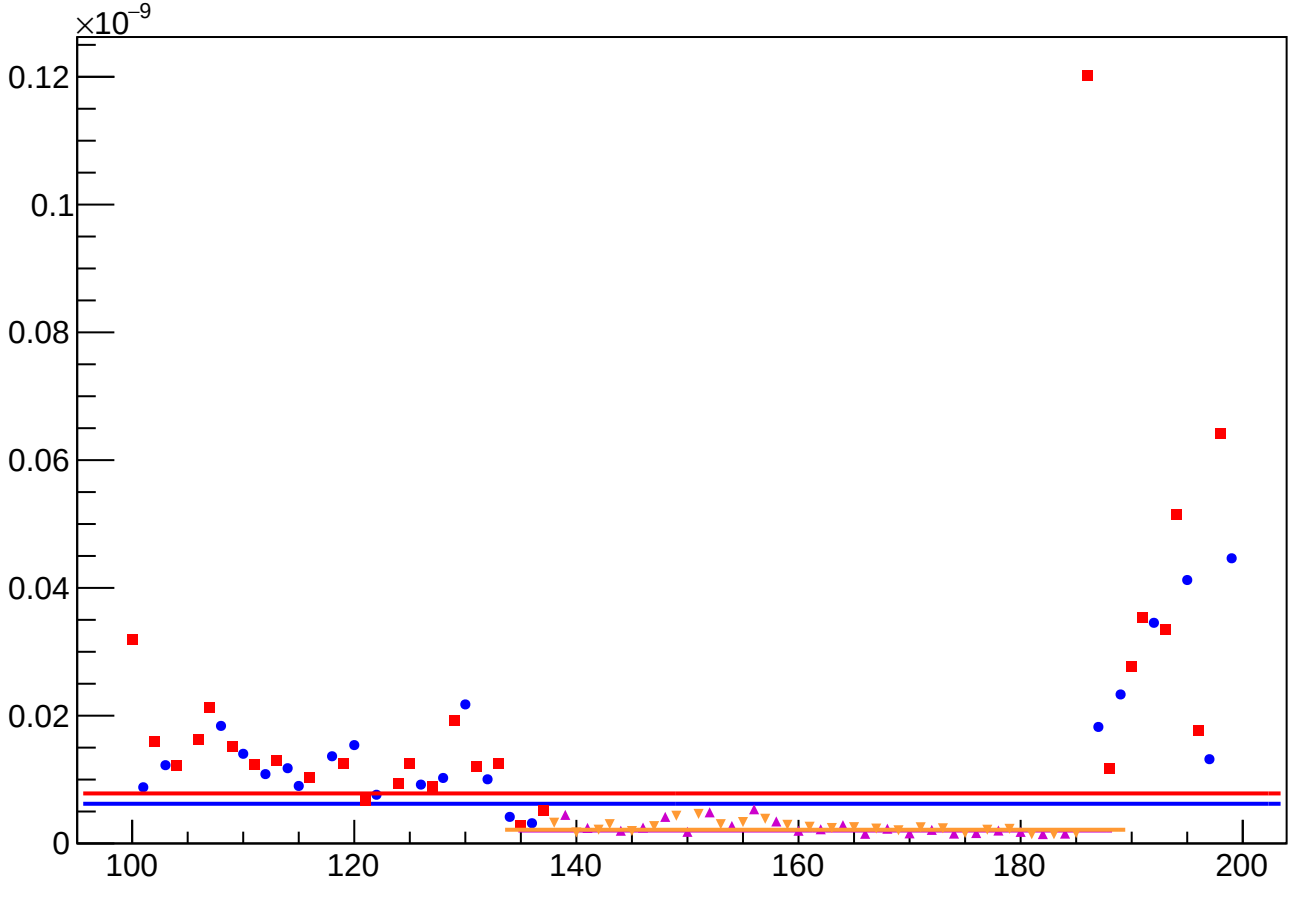
In: 18.329+/-0.003 χ^2/NDF:3821826.6/44

Out: 18.061+/-0.002 χ^2/NDF:4590291.8/51

All: 18.188+/-0.002 χ^2/NDF: 8418038.7/96


asym_sam_1357_2468_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.3
0.2
0.1
0
−0.1
−0.2
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 26.9/21
Left Out: -0.000+/-0.000 χ²/NDF:23.6/24
Right Out: 0.000+/-0.000 χ²/NDF: 25.3/26
Left In: -0.000+/-0.000 χ²/NDF:23.1/22
Left: -0.000+/-0.000 χ²/NDF: 51.6/47
Right: -0.000+/-0.000 χ²/NDF: 54.1/48
In: -0.000+/-0.000 χ²/NDF:50.1/44
Out: -0.000+/-0.000 χ²/NDF:49.8/51
All: -0.000+/-0.000 χ²/NDF: 105.7/96

asym_sam_1357_2468_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 5211737.1/21

Left Out: 0.000+/-0.000 χ^2/NDF:2184835.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6288224.7/26

Left In: 0.000+/-0.000 χ^2/NDF:2375362.0/22

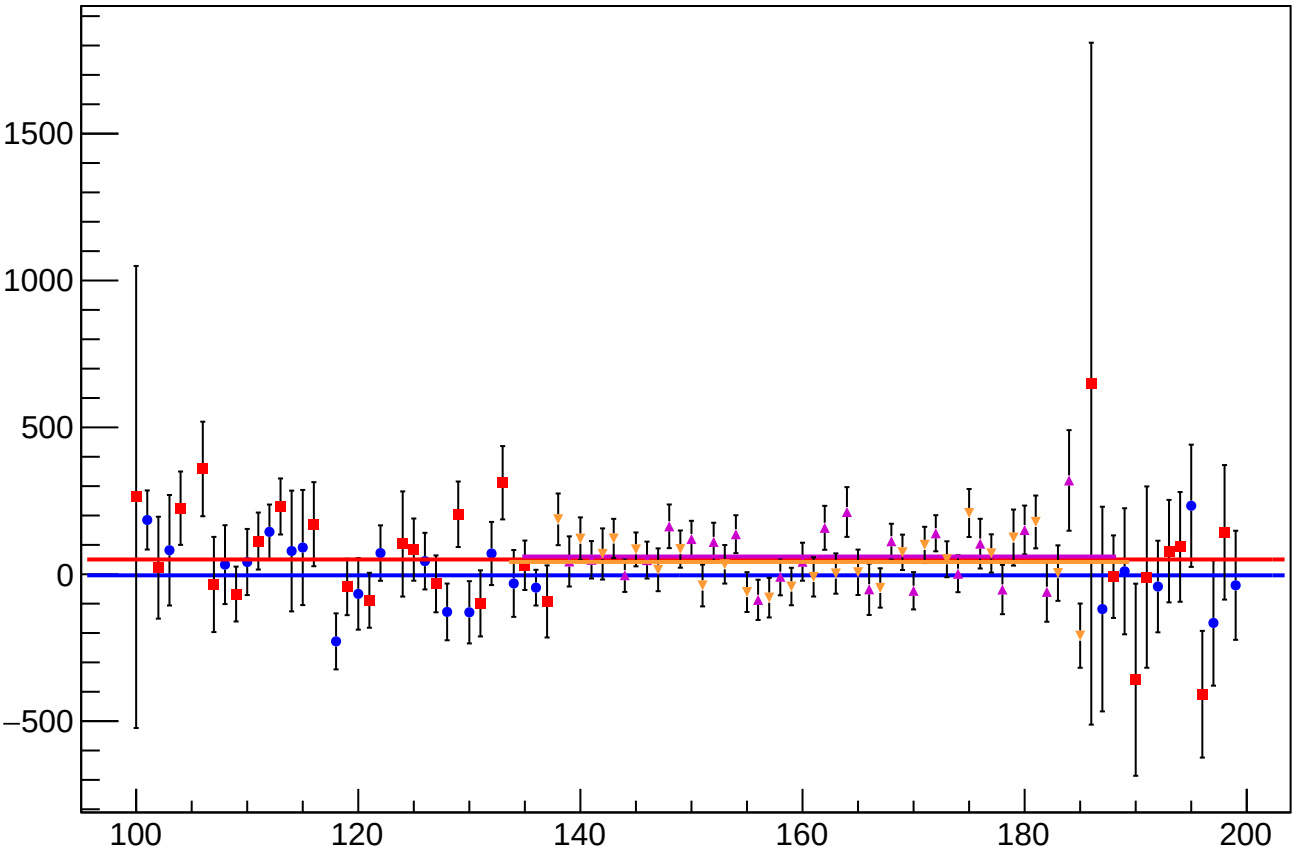
Left: 0.000+/-0.000 χ^2/NDF: 4598686.8/47

Right: 0.000+/-0.000 χ^2/NDF: 11716799.0/48

In: 0.000+/-0.000 χ^2/NDF:10867636.8/44

Out: 0.000+/-0.000 χ^2/NDF:13016460.5/51

All: 0.000+/-0.000 χ^2/NDF: 23926905.4/96



Right In: -3.645+/-24.996 χ^2/NDF: 19.8/21

Left Out: 42.012+/-14.181 χ^2/NDF:32.0/24

Right Out: 50.360+/-24.921 χ^2/NDF: 32.6/26

Left In: 60.376+/-14.714 χ^2/NDF:32.2/22

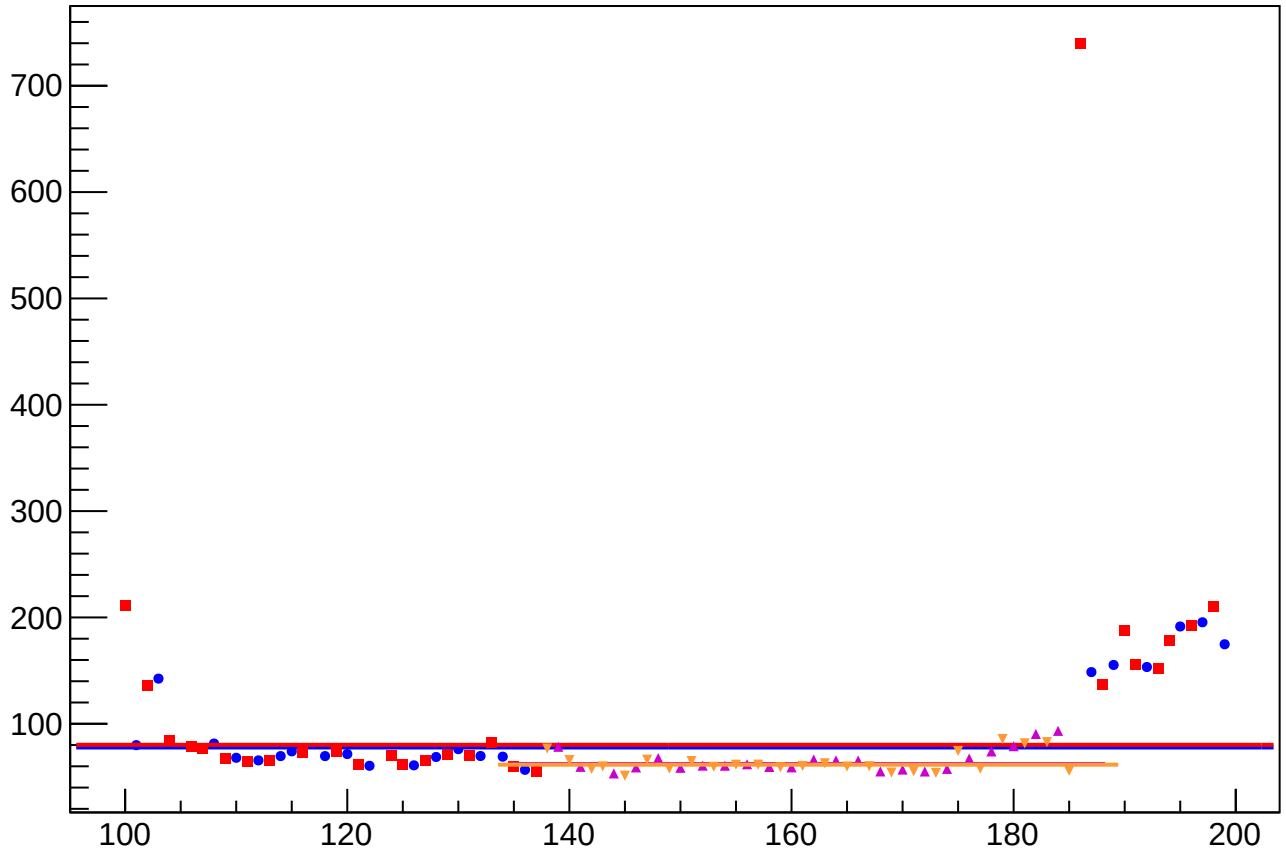
Left: 50.856+/-10.211 χ^2/NDF: 65.0/47

Right: 23.438+/-17.649 χ^2/NDF: 54.7/48

In: 43.902+/-12.680 χ^2/NDF:56.8/44

Out: 44.054+/-12.325 χ^2/NDF:64.8/51

All: 43.980+/-8.838 χ^2/NDF: 121.6/96



Right In: 77.711+/-0.018 χ^2/NDF: 3286540.9/21

Left Out: 61.544+/-0.010 χ^2/NDF:637834.8/24

Right Out: 80.214+/-0.018 χ^2/NDF: 4225111.8/26

Left In: 62.144+/-0.010 χ^2/NDF:596754.9/22

Left: 61.833+/-0.007 χ^2/NDF: 1236316.2/47

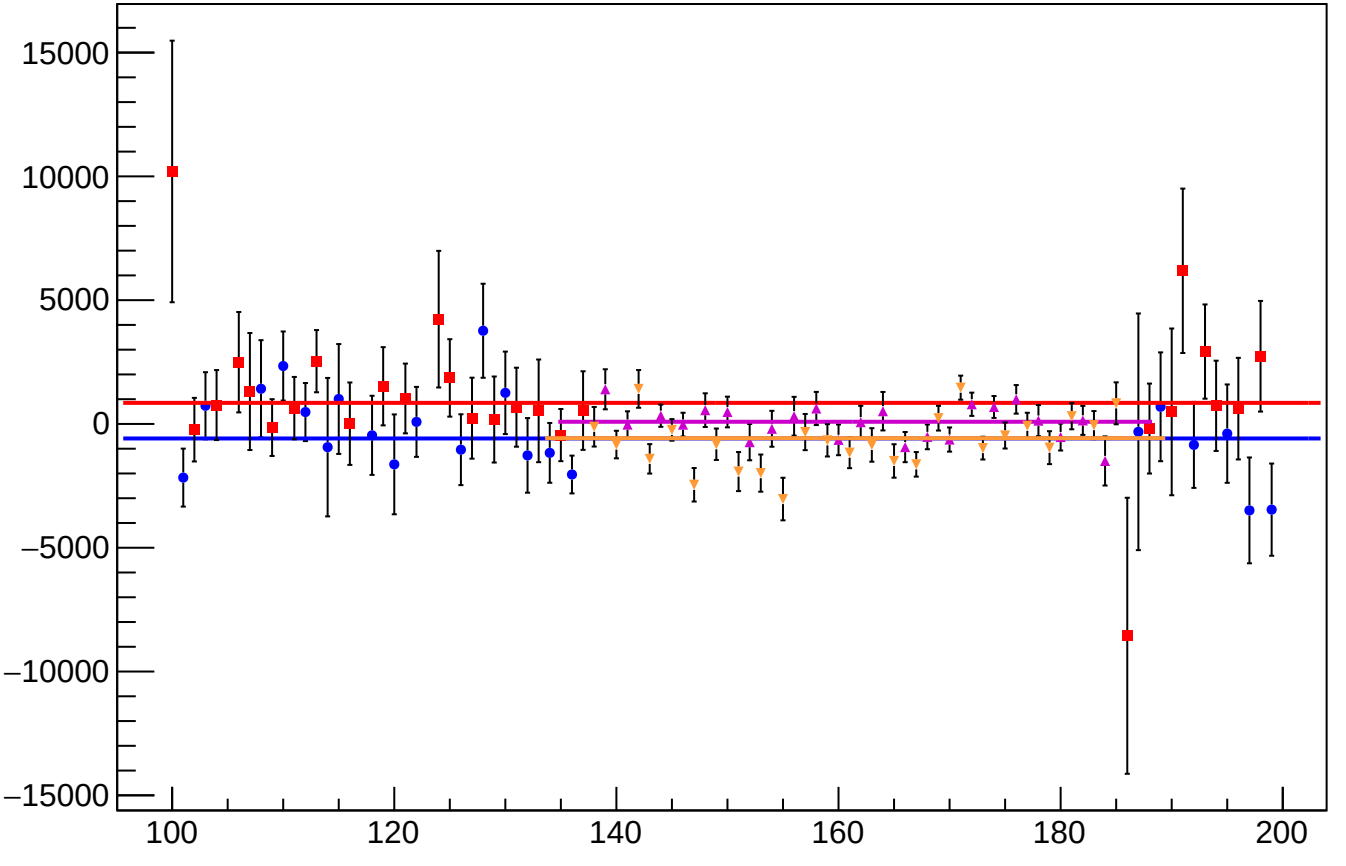
Right: 78.966+/-0.012 χ^2/NDF: 7521712.0/48

In: 66.150+/-0.009 χ^2/NDF:4459315.0/44

Out: 66.111+/-0.009 χ^2/NDF:5710844.7/51

All: 66.130+/-0.006 χ^2/NDF: 10170169.7/96

asym_sam_12345678_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -586.493+/-323.444 χ^2/NDF: 25.3/21

Left Out: -574.818+/-119.736 χ^2/NDF:68.8/24

Right Out: 851.655+/-323.564 χ^2/NDF: 19.1/26

Left In: 88.334+/-122.492 χ^2/NDF:24.6/22

Left: -250.787+/-85.624 χ^2/NDF: 108.4/47

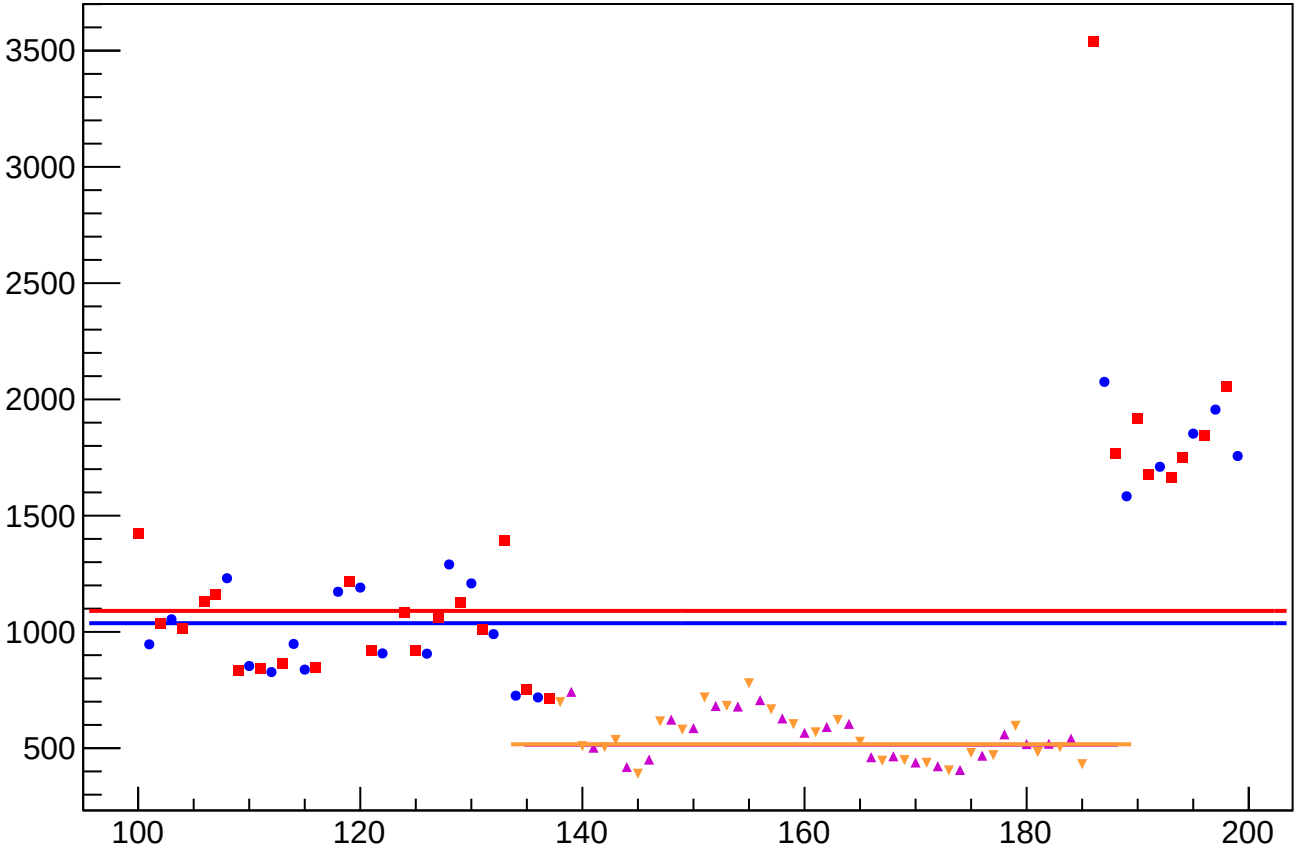
Right: 132.313+/-228.752 χ^2/NDF: 54.3/48

In: 3.688+/-114.553 χ^2/NDF:53.7/44

Out: -403.005+/-112.294 χ^2/NDF:104.9/51

All: -203.707+/-80.190 χ^2/NDF: 165.1/96

asym_sam_12345678_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 1037.466+/-0.229 χ^2/NDF: 2273231.3/21

Left Out: 516.635+/-0.085 χ^2/NDF:1265161.0/24

Right Out: 1090.418+/-0.229 χ^2/NDF: 2676781.9/26

Left In: 514.781+/-0.087 χ^2/NDF:1120436.1/22

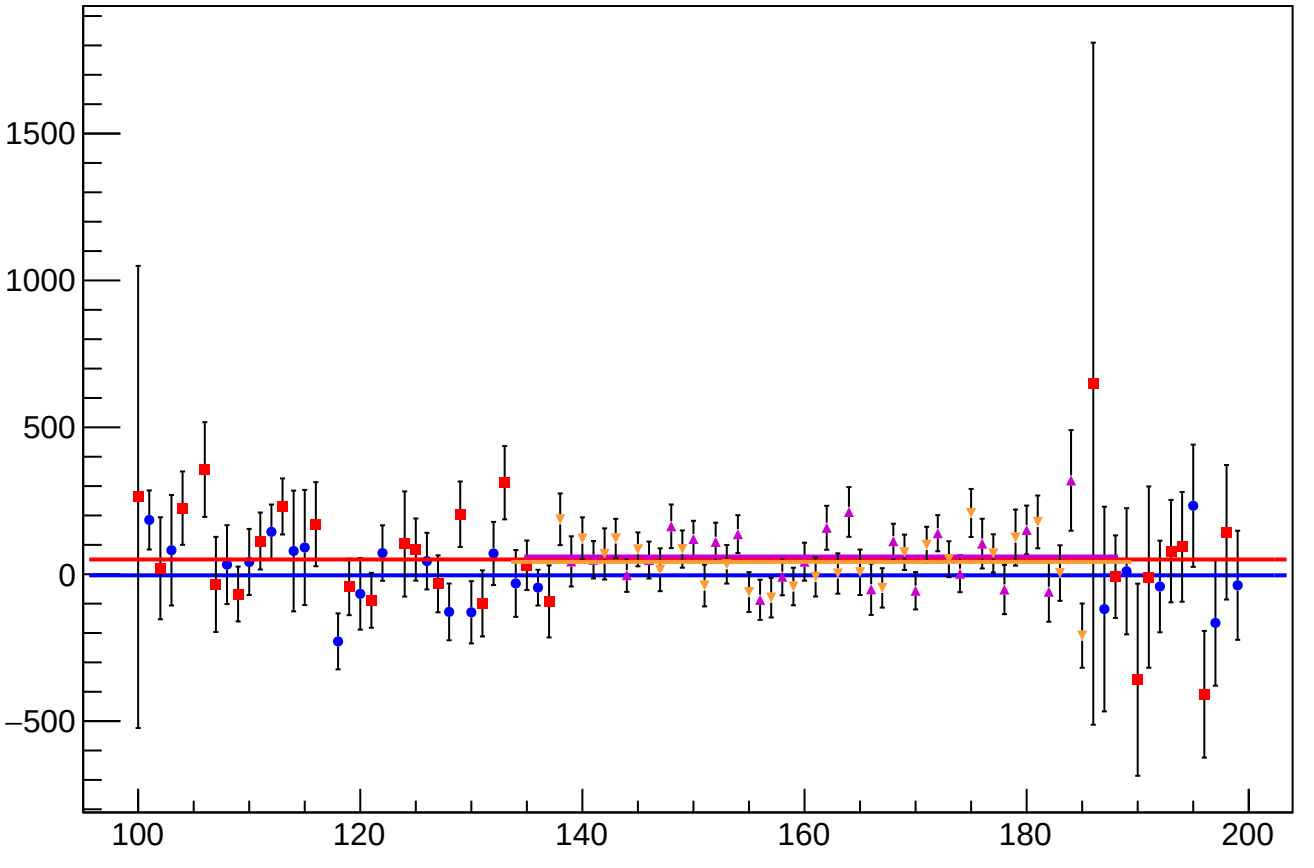
Left: 515.729+/-0.061 χ^2/NDF: 2385831.5/47

Right: 1063.932+/-0.162 χ^2/NDF: 4976805.5/48

In: 580.343+/-0.081 χ^2/NDF:7961453.1/44

Out: 585.745+/-0.079 χ^2/NDF:9473748.1/51

All: 583.098+/-0.057 χ^2/NDF: 17437469.3/96



Right In: -3.652+/-24.996 χ^2/NDF: 19.8/21

Left Out: 42.017+/-14.181 χ^2/NDF:32.0/24

Right Out: 50.249+/-24.922 χ^2/NDF: 32.6/26

Left In: 60.376+/-14.714 χ^2/NDF:32.2/22

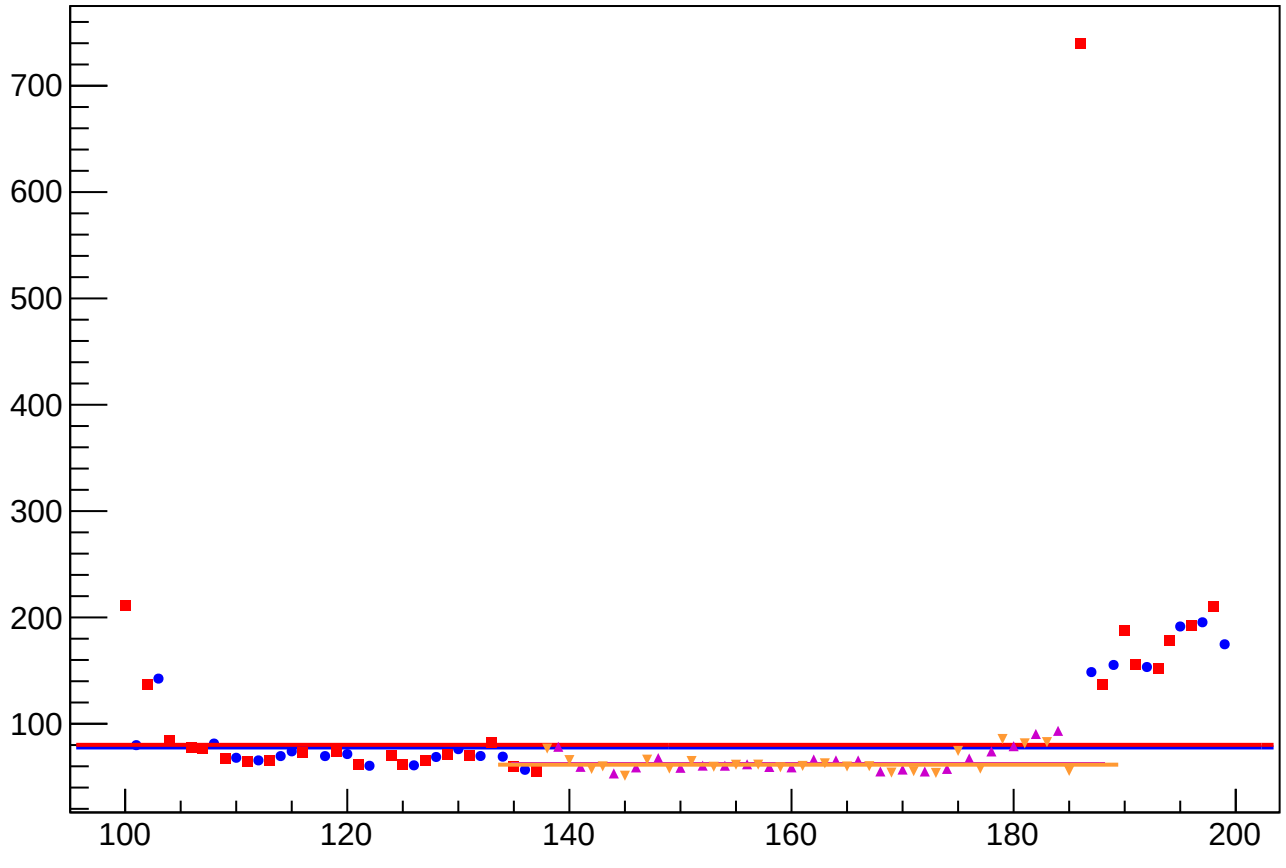
Left: 50.858+/-10.211 χ^2/NDF: 65.0/47

Right: 23.378+/-17.649 χ^2/NDF: 54.7/48

In: 43.900+/-12.680 χ^2/NDF:56.8/44

Out: 44.031+/-12.325 χ^2/NDF:64.7/51

All: 43.967+/-8.838 χ^2/NDF: 121.5/96



Right In: 77.711+/-0.018 χ^2/NDF: 3286544.0/21

Left Out: 61.544+/-0.010 χ^2/NDF:637834.9/24

Right Out: 80.197+/-0.018 χ^2/NDF: 4225643.3/26

Left In: 62.144+/-0.010 χ^2/NDF:596754.9/22

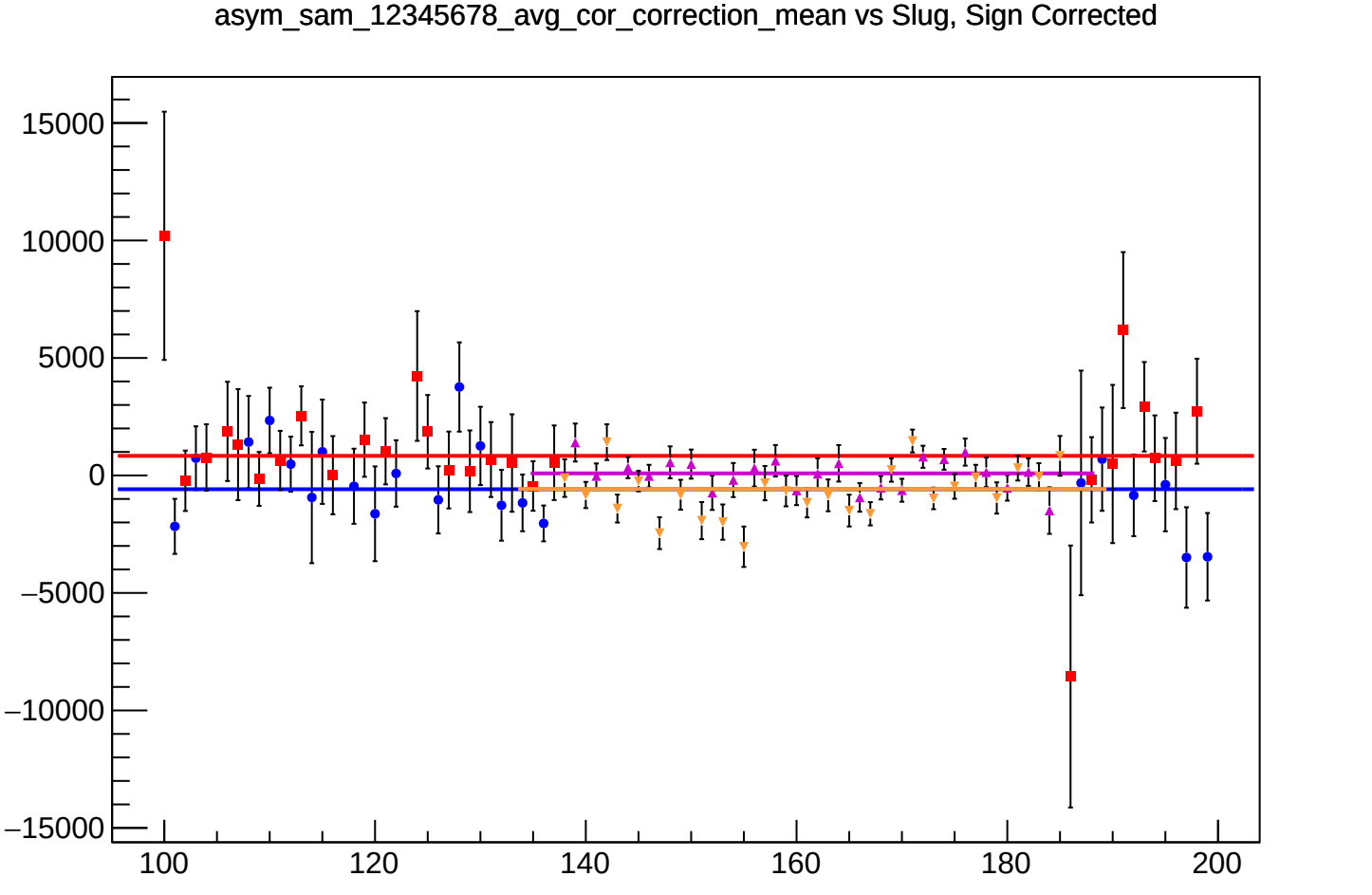
Left: 61.833+/-0.007 χ^2/NDF: 1236316.3/47

Right: 78.958+/-0.012 χ^2/NDF: 7522114.7/48

In: 66.150+/-0.009 χ^2/NDF:4459318.1/44

Out: 66.106+/-0.009 χ^2/NDF:5709839.5/51

All: 66.128+/-0.006 χ^2/NDF: 10169169.8/96



Right In: -586.469+/-323.445 χ^2/NDF: 25.3/21

Left Out: -574.811+/-119.736 χ^2/NDF:68.8/24

Right Out: 834.242+/-323.900 χ^2/NDF: 18.6/26

Left In: 88.333+/-122.492 χ^2/NDF:24.6/22

Left: -250.783+/-85.624 χ^2/NDF: 108.4/47

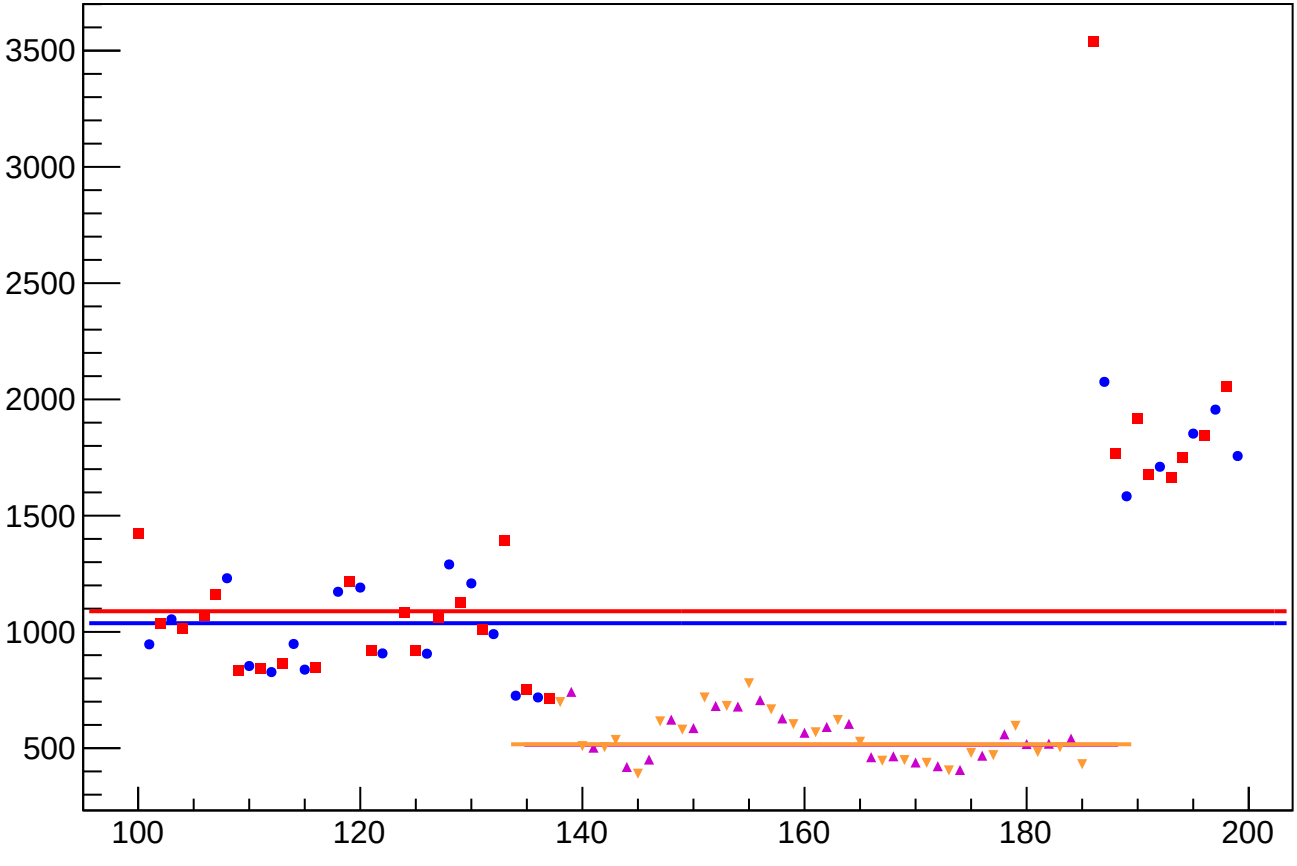
Right: 122.889+/-228.871 χ^2/NDF: 53.6/48

In: 3.691+/-114.553 χ^2/NDF:53.7/44

Out: -405.405+/-112.308 χ^2/NDF:104.1/51

All: -204.905+/-80.196 χ^2/NDF: 164.3/96

asym_sam_12345678_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 1037.470+/-0.229 χ^2/NDF: 2273236.6/21

Left Out: 516.635+/-0.085 χ^2/NDF:1265163.0/24

Right Out: 1088.914+/-0.229 χ^2/NDF: 2675985.0/26

Left In: 514.781+/-0.087 χ^2/NDF:1120434.8/22

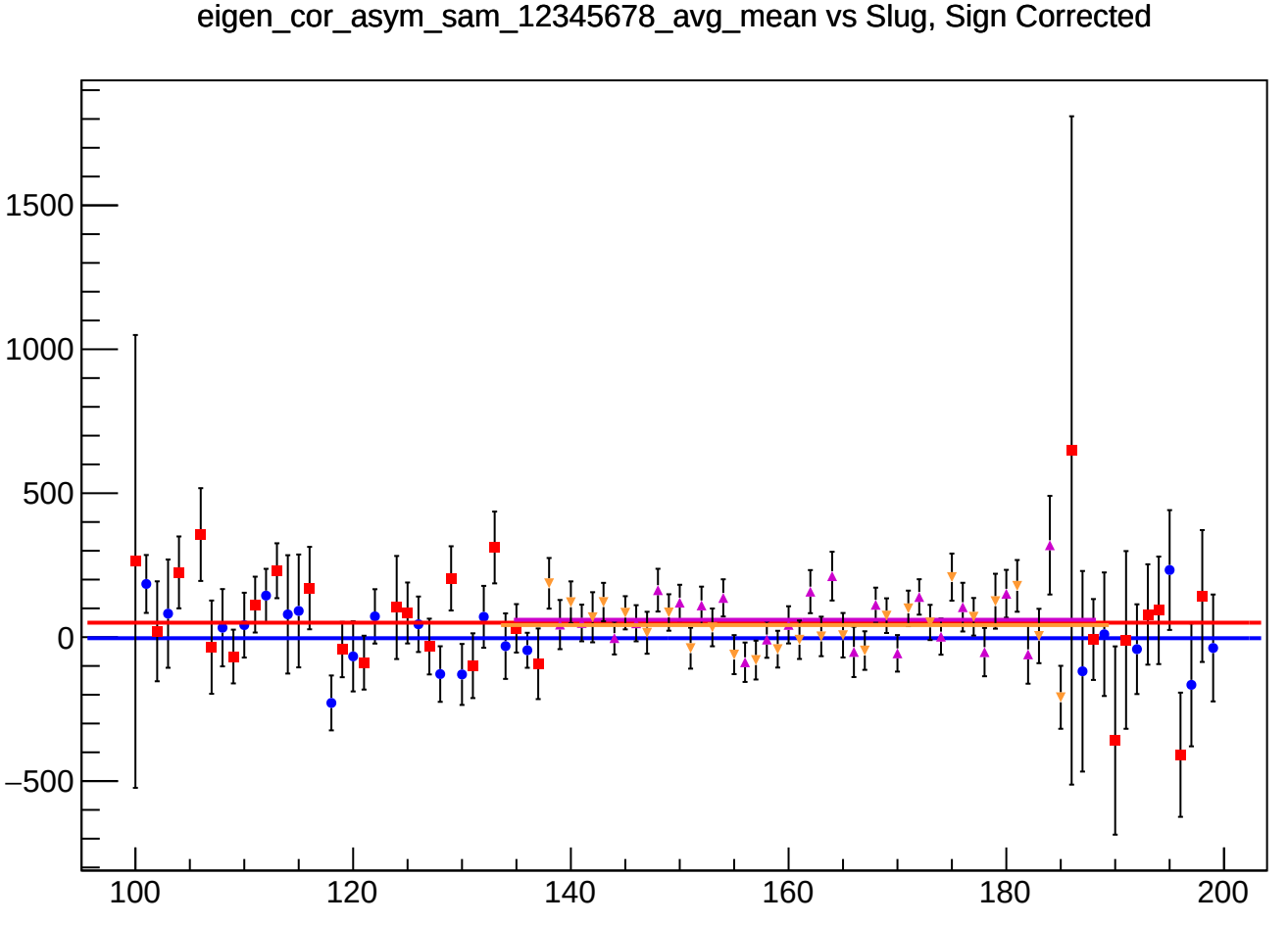
Left: 515.729+/-0.061 χ^2/NDF: 2385832.1/47

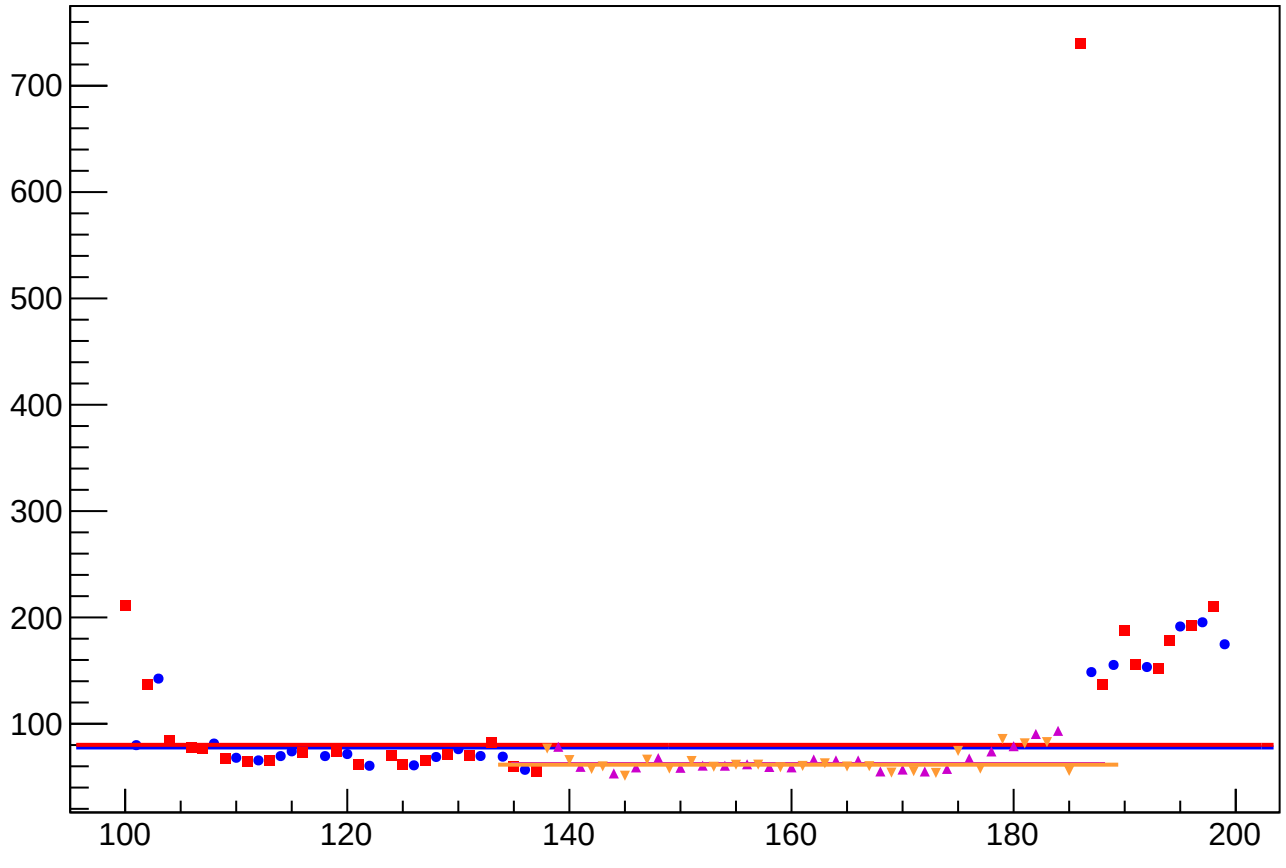
Right: 1063.156+/-0.162 χ^2/NDF: 4974482.9/48

In: 580.343+/-0.081 χ^2/NDF:7961494.5/44

Out: 585.438+/-0.079 χ^2/NDF:9433969.9/51

All: 582.941+/-0.057 χ^2/NDF: 17397481.7/96


eigen_cor_asym_sam_12345678_avg_mean vs Slug, Sign Corrected
1500
1000
500
0
−500
100
120
140
160
180
200
Right In: -3.652+/-24.996 χ²/NDF: 19.8/21
Left Out: 42.017+/-14.181 χ²/NDF:32.0/24
Right Out: 50.249+/-24.922 χ²/NDF: 32.6/26
Left In: 60.376+/-14.714 χ²/NDF:32.2/22
Left: 50.858+/-10.211 χ²/NDF: 65.0/47
Right: 23.378+/-17.649 χ²/NDF: 54.7/48
In: 43.900+/-12.680 χ²/NDF:56.8/44
Out: 44.031+/-12.325 χ²/NDF:64.7/51
All: 43.967+/-8.838 χ²/NDF: 121.5/96



Right In: 77.711+/-0.018 χ^2/NDF: 3286544.0/21

Left Out: 61.544+/-0.010 χ^2/NDF:637834.9/24

Right Out: 80.197+/-0.018 χ^2/NDF: 4225643.3/26

Left In: 62.144+/-0.010 χ^2/NDF:596754.9/22

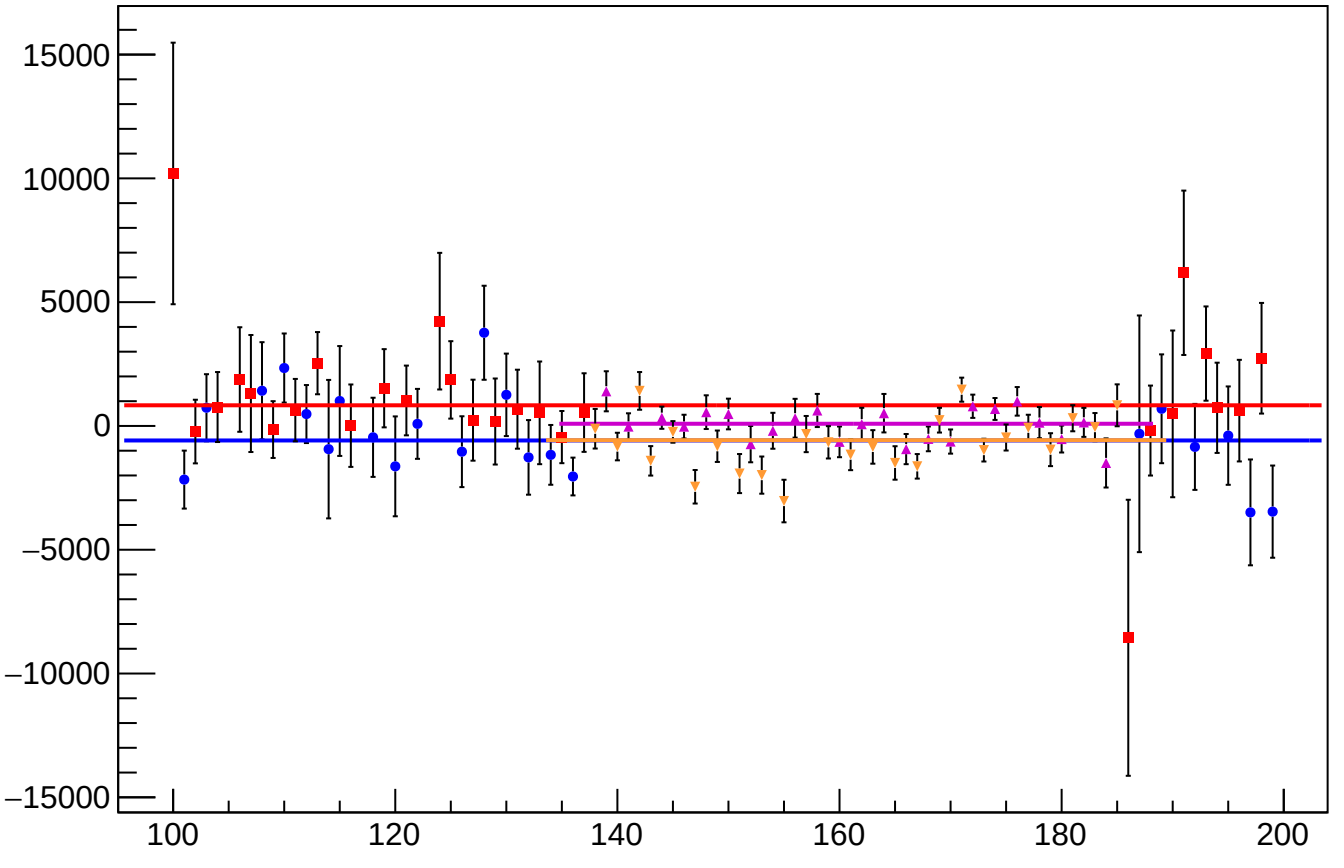
Left: 61.833+/-0.007 χ^2/NDF: 1236316.3/47

Right: 78.958+/-0.012 χ^2/NDF: 7522114.7/48

In: 66.150+/-0.009 χ^2/NDF:4459318.1/44

Out: 66.106+/-0.009 χ^2/NDF:5709839.5/51

All: 66.128+/-0.006 χ^2/NDF: 10169169.8/96



Right In: -586.469+/-323.445 χ^2/NDF: 25.3/21

Left Out: -574.811+/-119.736 χ^2/NDF:68.8/24

Right Out: 834.242+/-323.900 χ^2/NDF: 18.6/26

Left In: 88.333+/-122.492 χ^2/NDF:24.6/22

Left: -250.783+/-85.624 χ^2/NDF: 108.4/47

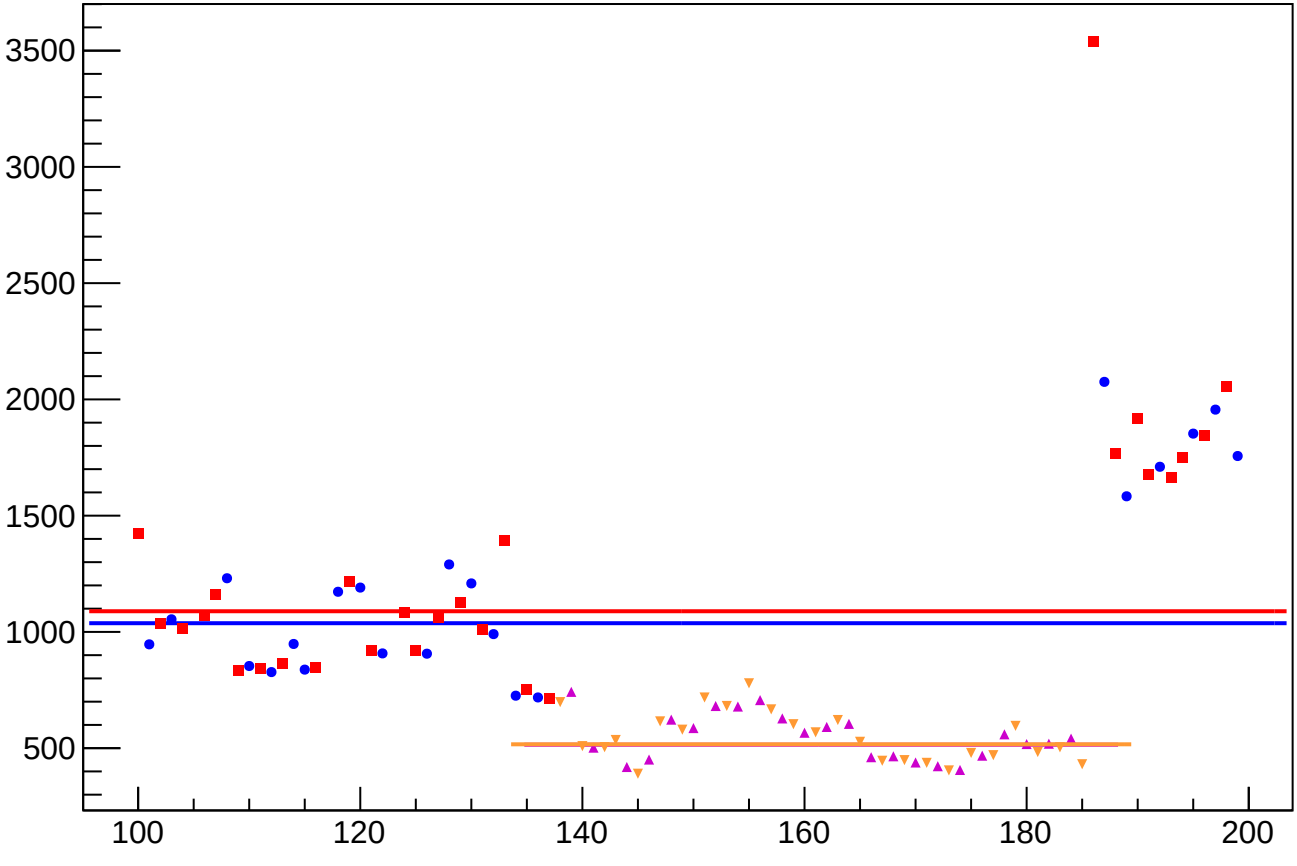
Right: 122.889+/-228.871 χ^2/NDF: 53.6/48

In: 3.691+/-114.553 χ^2/NDF:53.7/44

Out: -405.405+/-112.308 χ^2/NDF:104.1/51

All: -204.905+/-80.196 χ^2/NDF: 164.3/96

asym_sam_12345678_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1037.470+/-0.229 χ^2/NDF: 2273236.6/21

Left Out: 516.635+/-0.085 χ^2/NDF:1265163.0/24

Right Out: 1088.914+/-0.229 χ^2/NDF: 2675985.0/26

Left In: 514.781+/-0.087 χ^2/NDF:1120434.8/22

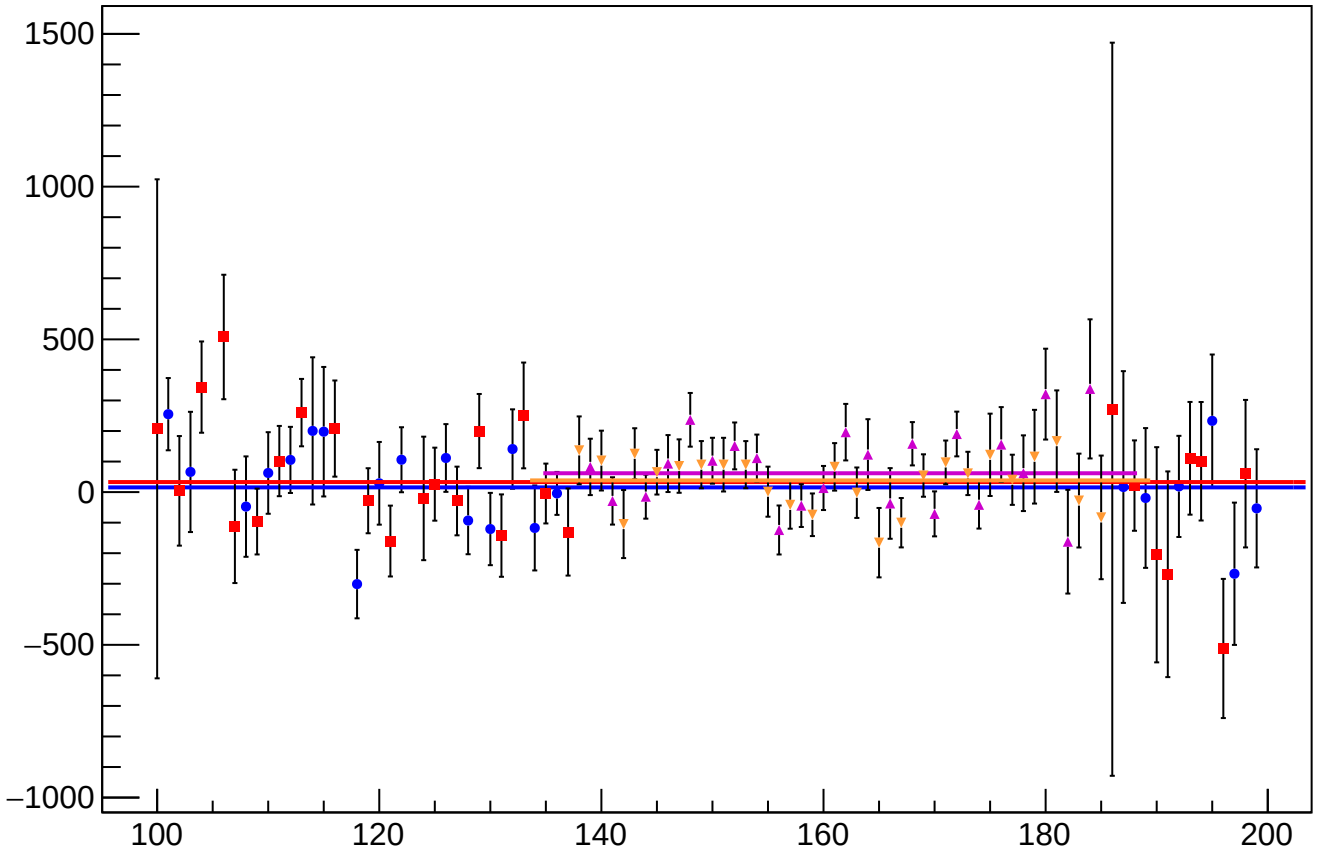
Left: 515.729+/-0.061 χ^2/NDF: 2385832.1/47

Right: 1063.156+/-0.162 χ^2/NDF: 4974482.9/48

In: 580.343+/-0.081 χ^2/NDF:7961494.5/44

Out: 585.438+/-0.079 χ^2/NDF:9433969.9/51

All: 582.941+/-0.057 χ^2/NDF: 17397481.7/96



Right In: 15.441+/-28.691 χ^2/NDF: 22.8/21

Left Out: 38.281+/-17.669 χ^2/NDF:18.8/24

Right Out: 32.890+/-28.675 χ^2/NDF: 35.2/26

Left In: 61.723+/-18.192 χ^2/NDF:36.7/22

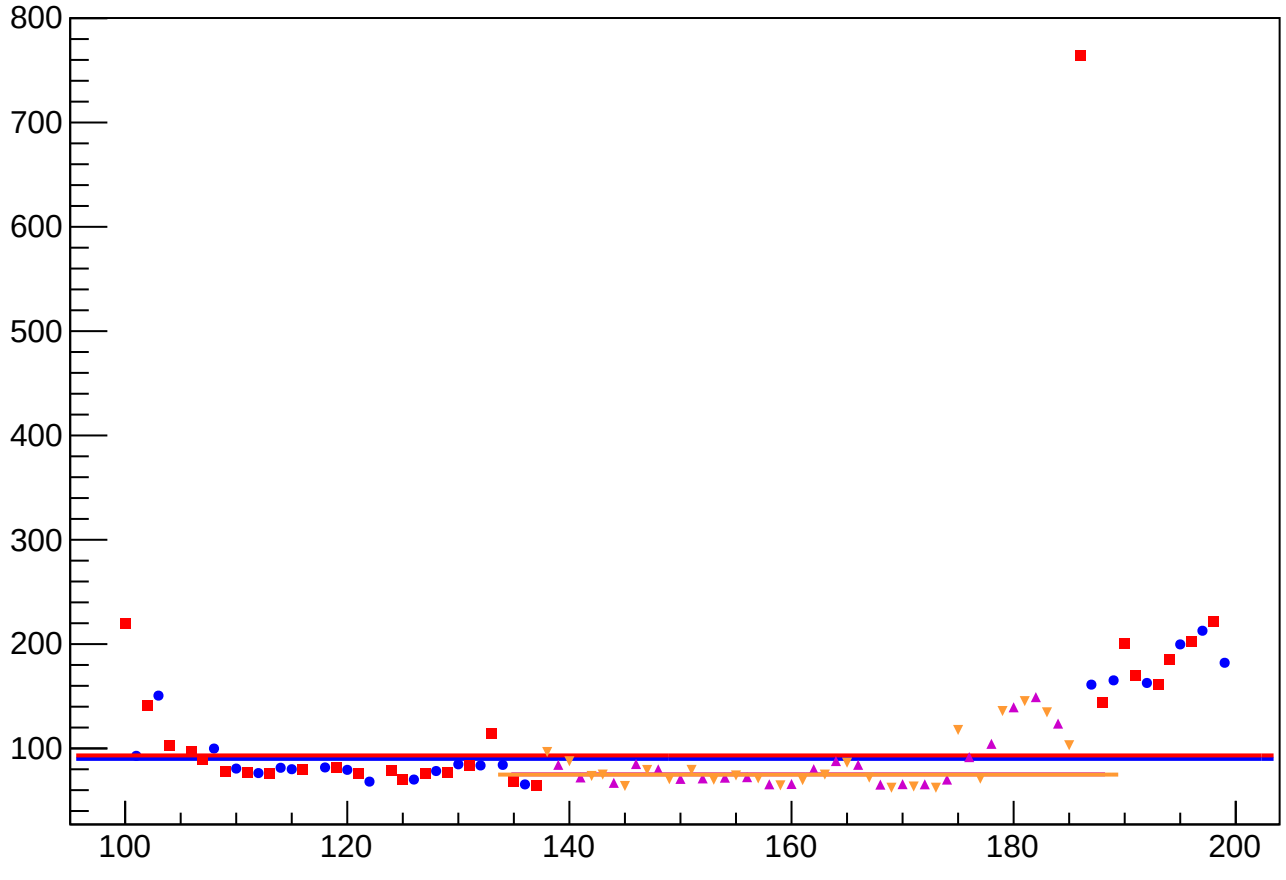
Left: 49.661+/-12.675 χ^2/NDF: 56.4/47

Right: 24.170+/-20.282 χ^2/NDF: 58.1/48

In: 48.453+/-15.364 χ^2/NDF:61.4/44

Out: 36.798+/-15.043 χ^2/NDF:54.0/51

All: 42.502+/-10.749 χ^2/NDF: 115.7/96



Right In: 89.980+/-0.020 χ^2/NDF: 2887499.2/21

Left Out: 74.903+/-0.012 χ^2/NDF:1661552.1/24

Right Out: 93.275+/-0.020 χ^2/NDF: 3728148.5/26

Left In: 75.156+/-0.013 χ^2/NDF:1312543.0/22

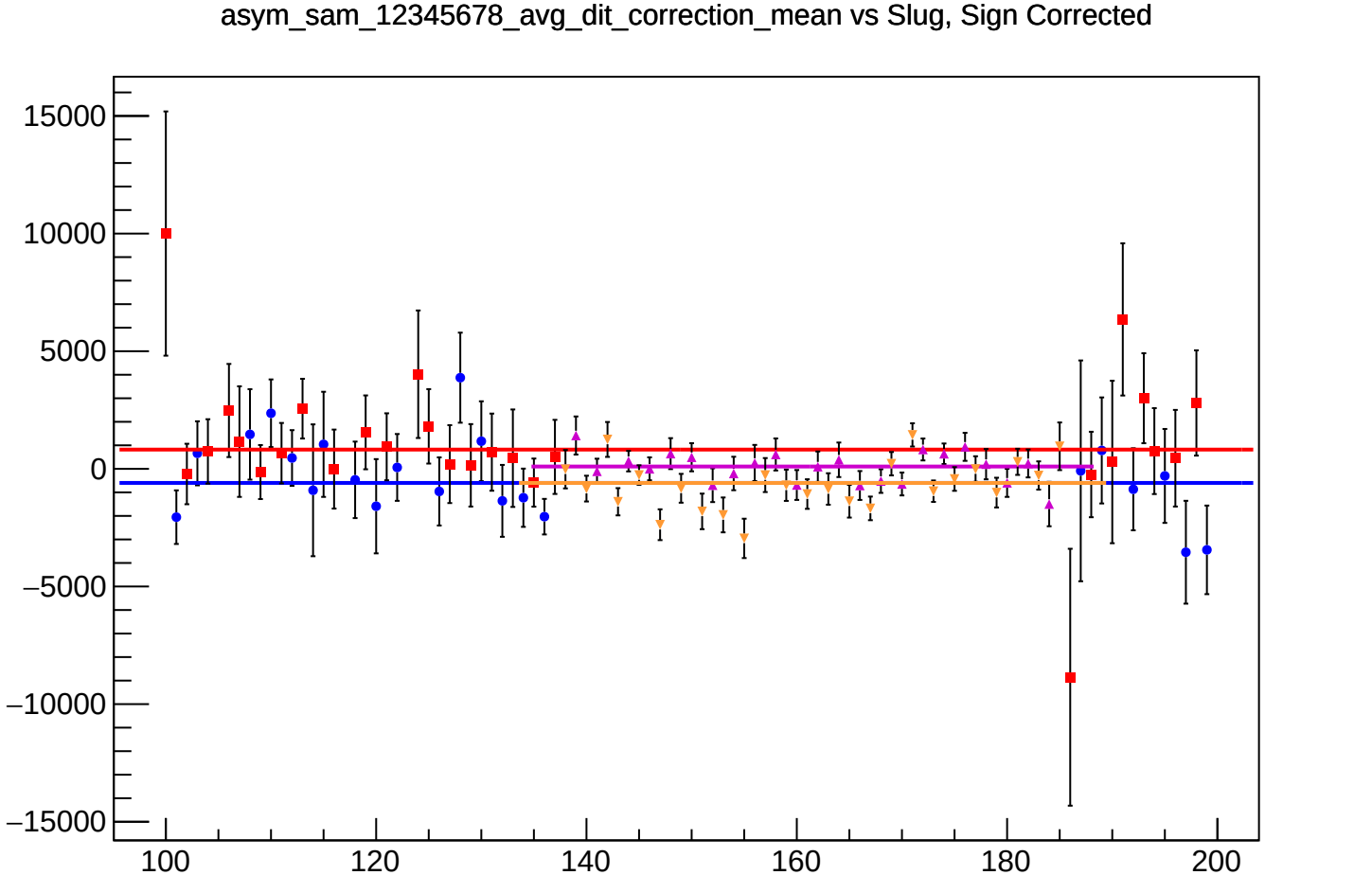
Left: 75.025+/-0.009 χ^2/NDF: 2974293.9/47

Right: 91.628+/-0.014 χ^2/NDF: 6628839.2/48

In: 79.406+/-0.011 χ^2/NDF:4580876.6/44

Out: 79.959+/-0.011 χ^2/NDF:5984735.5/51

All: 79.688+/-0.008 χ^2/NDF: 10566932.3/96



Right In: -597.633+/-324.909 χ^2/NDF: 25.0/21

Left Out: -598.826+/-119.324 χ^2/NDF:65.0/24

Right Out: 818.914+/-323.233 χ^2/NDF: 20.1/26

Left In: 99.102+/-122.310 χ^2/NDF:23.7/22

Left: -258.487+/-85.411 χ^2/NDF: 105.4/47

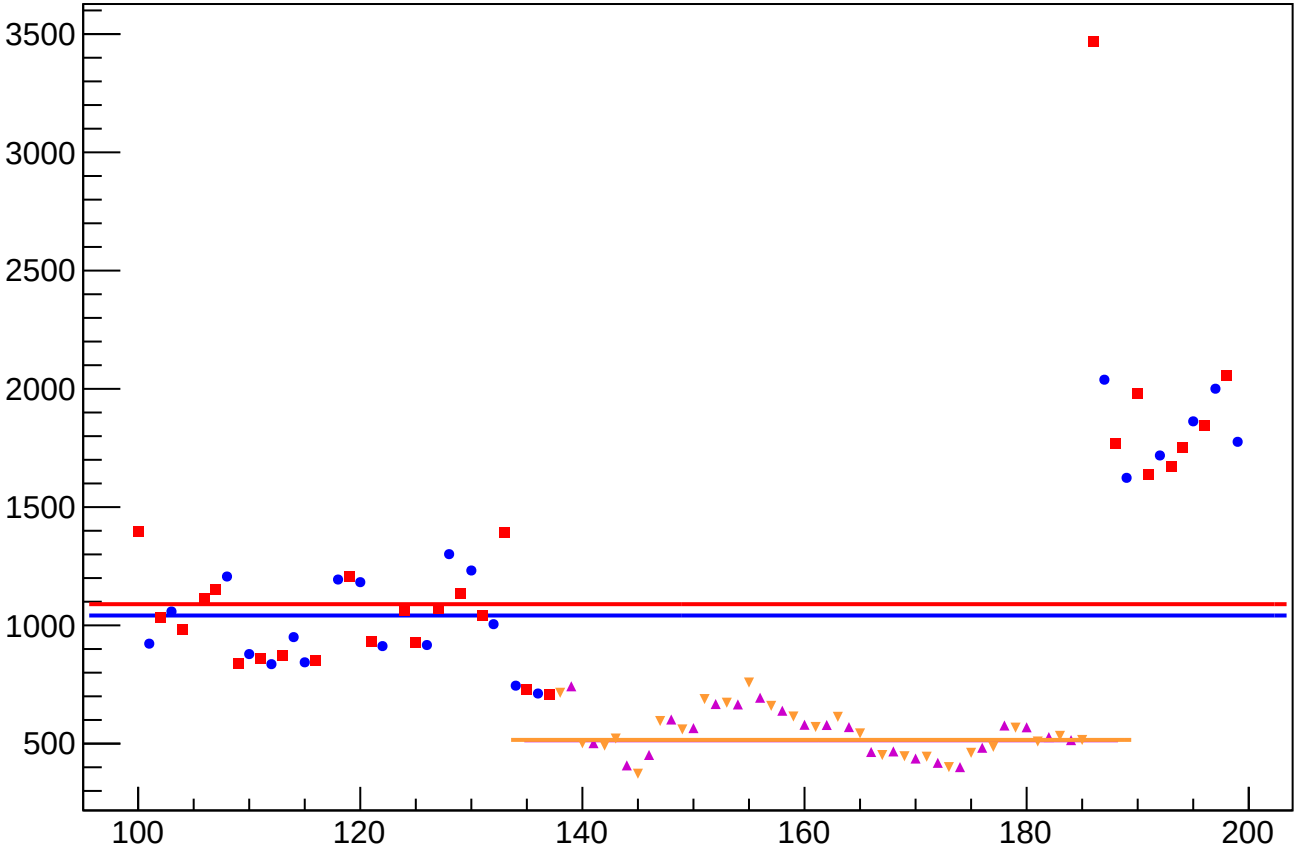
Right: 114.302+/-229.150 χ^2/NDF: 54.7/48

In: 12.622+/-114.468 χ^2/NDF:52.7/44

Out: -428.793+/-111.940 χ^2/NDF:102.1/51

All: -213.014+/-80.032 χ^2/NDF: 162.4/96

asym_sam_12345678_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 1041.696+/-0.230 χ^2/NDF: 2310409.4/21

Left Out: 515.762+/-0.084 χ^2/NDF:1232478.6/24

Right Out: 1089.598+/-0.229 χ^2/NDF: 2699681.0/26

Left In: 514.088+/-0.086 χ^2/NDF:1116884.3/22

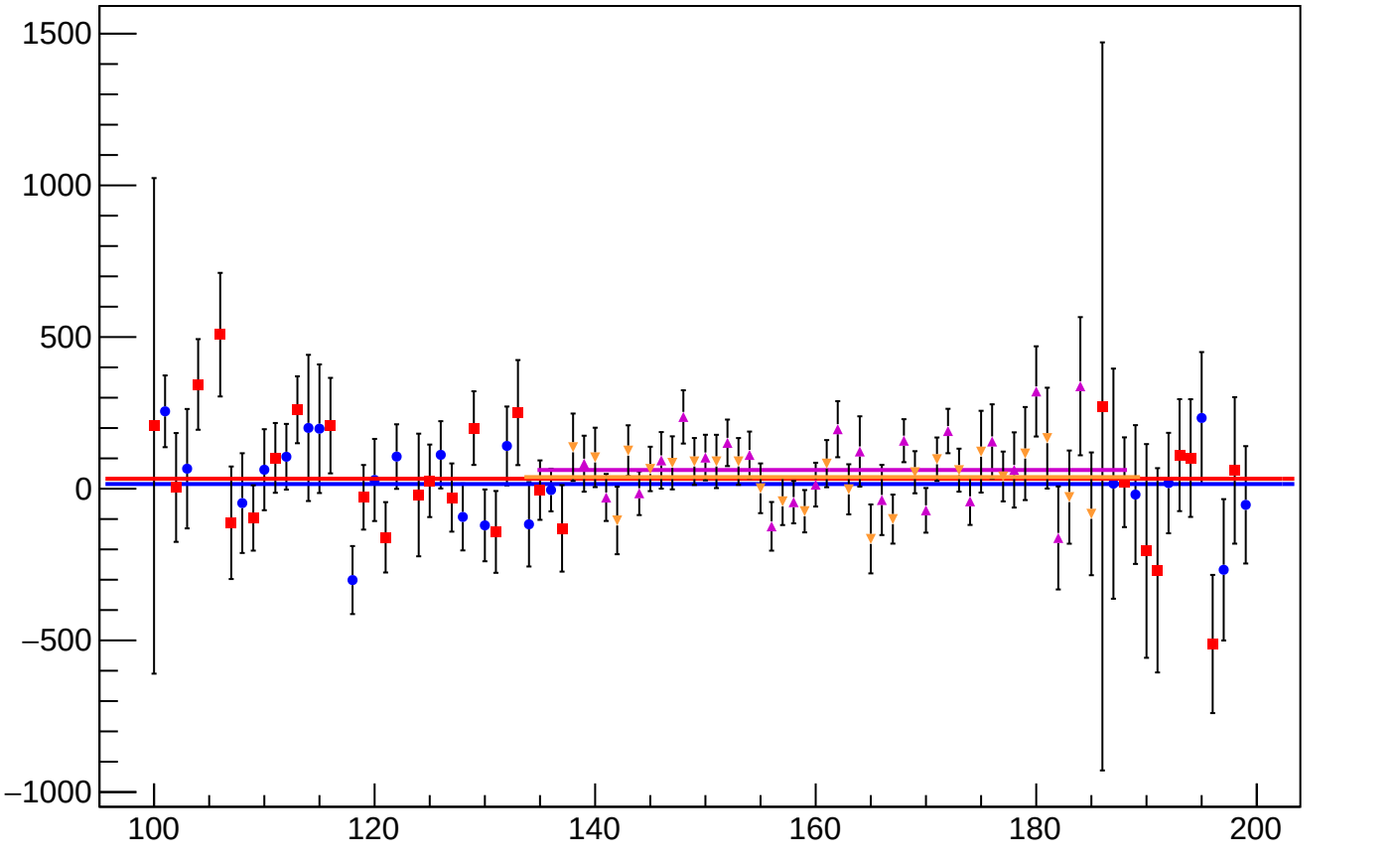
Left: 514.945+/-0.060 χ^2/NDF: 2349554.8/47

Right: 1065.771+/-0.162 χ^2/NDF: 5031939.7/48

In: 579.575+/-0.081 χ^2/NDF:8046569.0/44

Out: 584.583+/-0.079 χ^2/NDF:9479573.4/51

All: 582.135+/-0.057 χ^2/NDF: 17528099.3/96



Right In: 15.441+/-28.691 χ^2/NDF: 22.8/21

Left Out: 38.282+/-17.670 χ^2/NDF:18.8/24

Right Out: 32.888+/-28.675 χ^2/NDF: 35.2/26

Left In: 61.723+/-18.192 χ^2/NDF:36.7/22

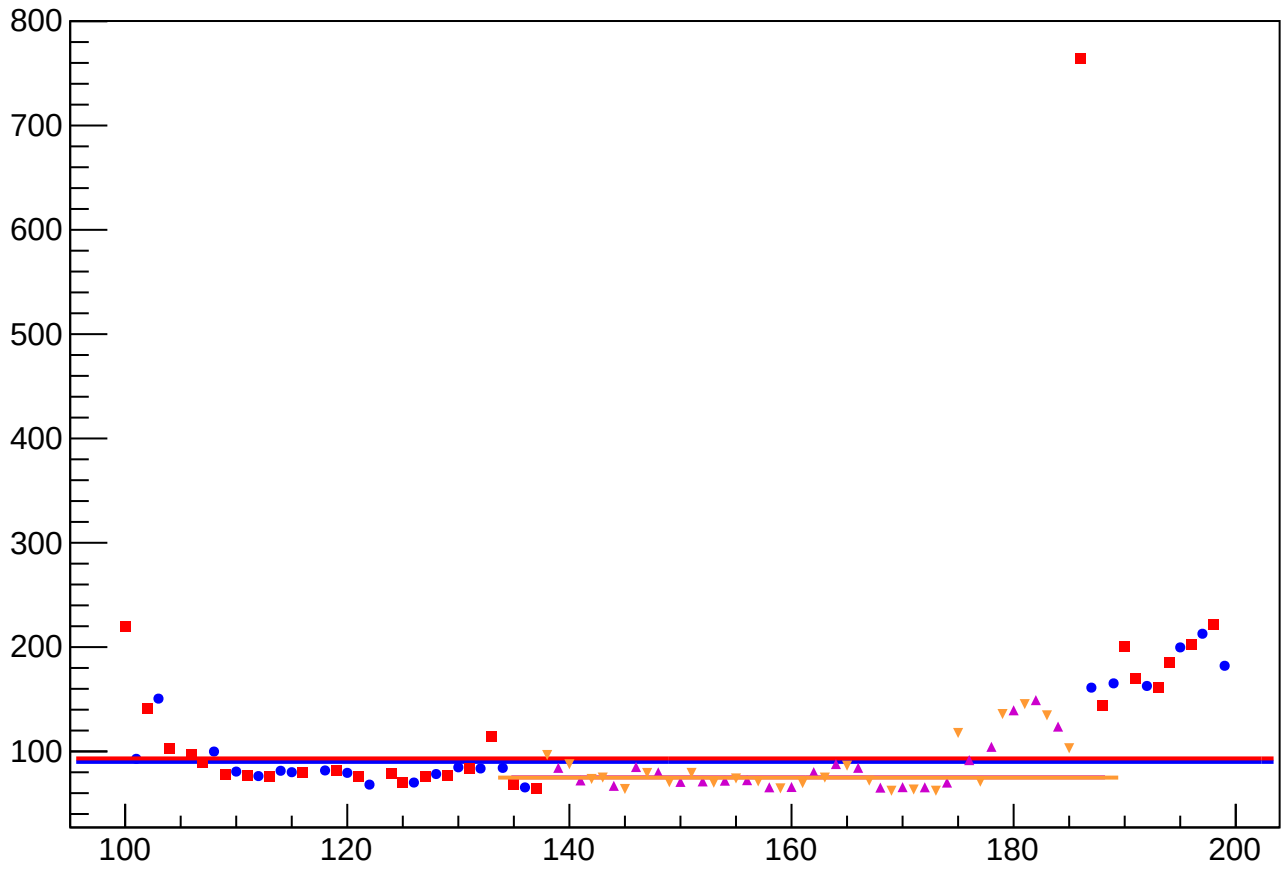
Left: 49.661+/-12.675 χ^2/NDF: 56.4/47

Right: 24.170+/-20.282 χ^2/NDF: 58.1/48

In: 48.452+/-15.364 χ^2/NDF:61.4/44

Out: 36.797+/-15.043 χ^2/NDF:54.0/51

All: 42.502+/-10.749 χ^2/NDF: 115.7/96



Right In: 89.980+/-0.020 χ^2/NDF: 2887504.7/21

Left Out: 74.903+/-0.012 χ^2/NDF:1661550.3/24

Right Out: 93.274+/-0.020 χ^2/NDF: 3728168.1/26

Left In: 75.156+/-0.013 χ^2/NDF:1312527.7/22

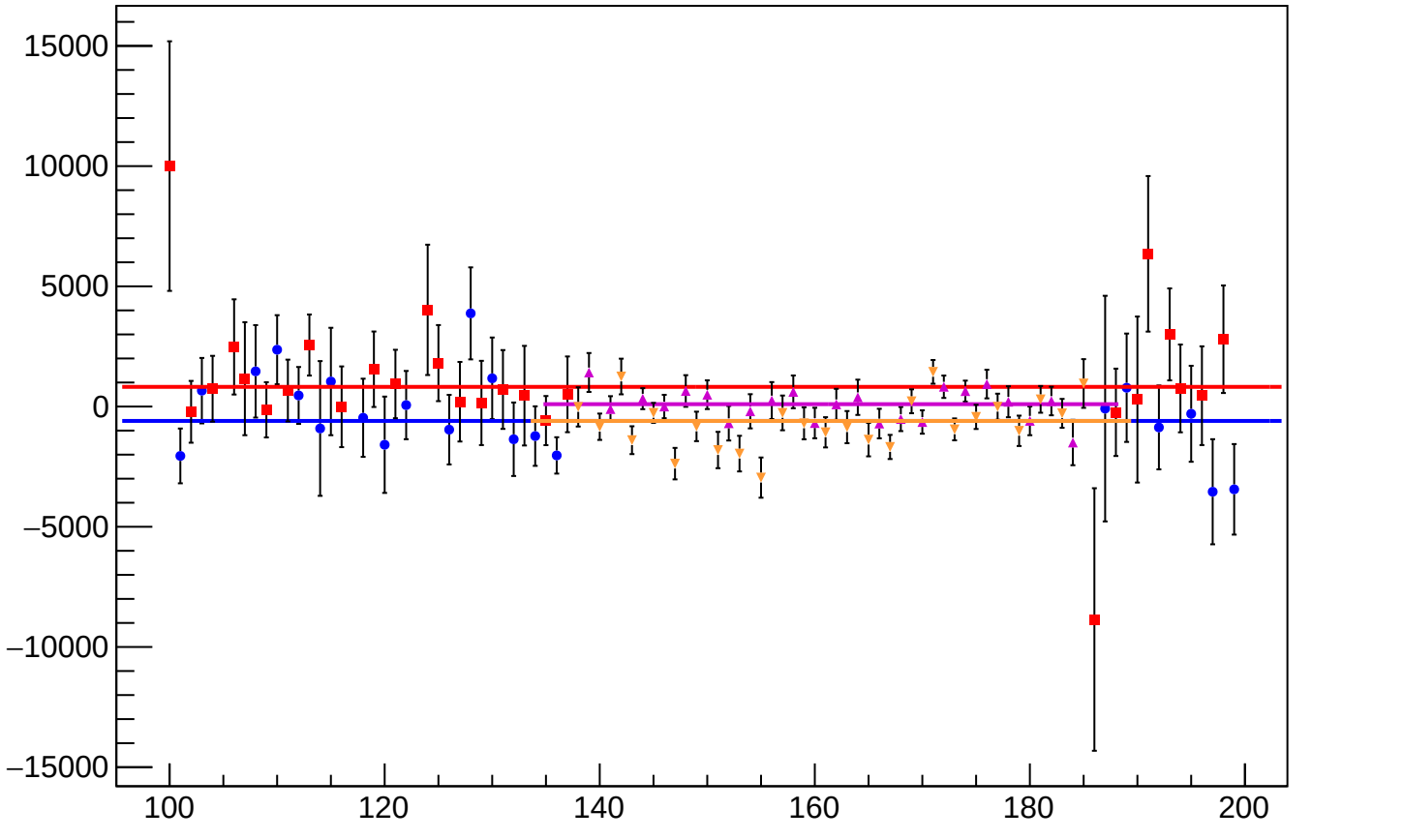
Left: 75.026+/-0.009 χ^2/NDF: 2974276.9/47

Right: 91.628+/-0.014 χ^2/NDF: 6628864.9/48

In: 79.406+/-0.011 χ^2/NDF:4580841.1/44

Out: 79.959+/-0.011 χ^2/NDF:5984726.3/51

All: 79.689+/-0.008 χ^2/NDF: 10566887.6/96



Right In: -597.630+/-324.908 χ^2/NDF: 25.0/21

Left Out: -598.825+/-119.324 χ^2/NDF:65.0/24

Right Out: 818.913+/-323.233 χ^2/NDF: 20.1/26

Left In: 99.101+/-122.310 χ^2/NDF:23.7/22

Left: -258.487+/-85.411 χ^2/NDF: 105.4/47

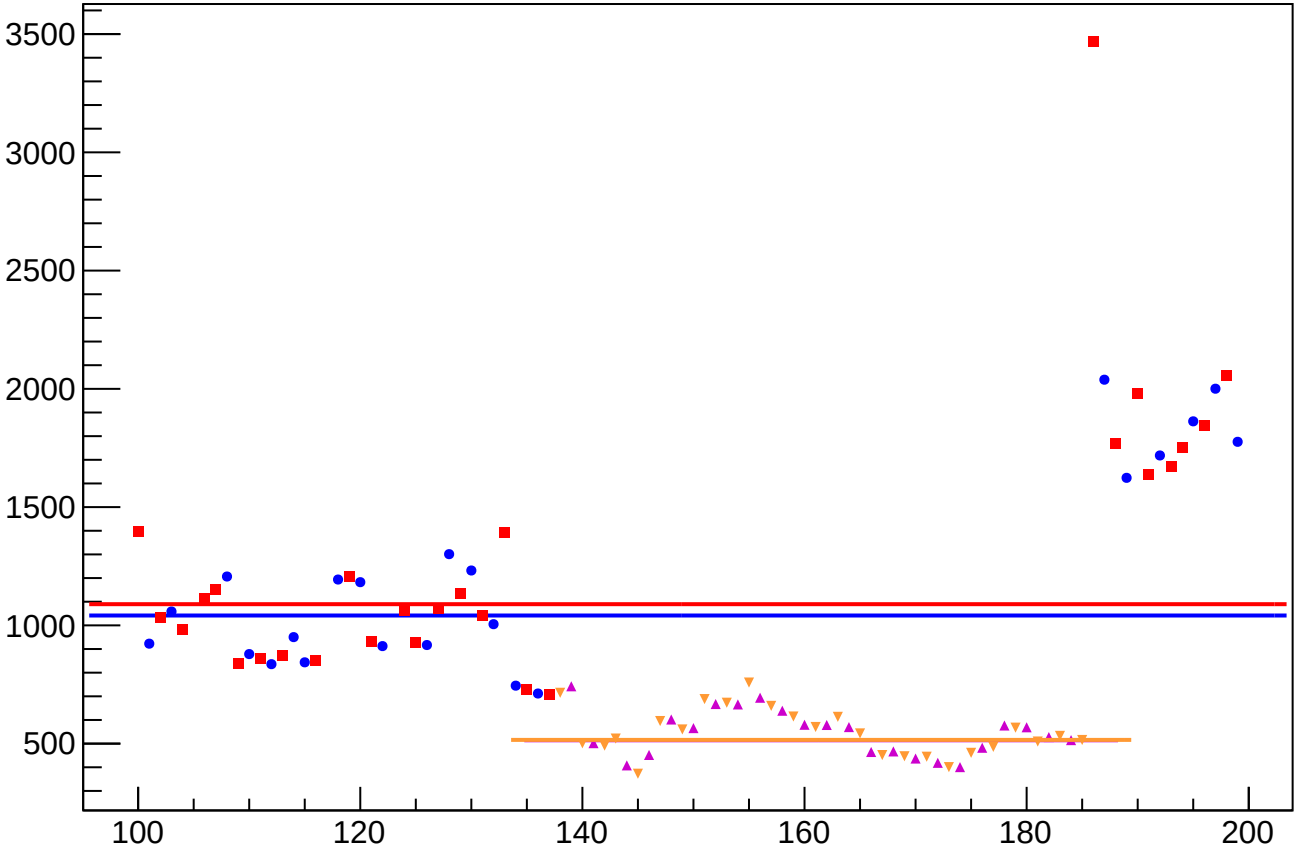
Right: 114.303+/-229.150 χ^2/NDF: 54.7/48

In: 12.622+/-114.468 χ^2/NDF:52.7/44

Out: -428.792+/-111.940 χ^2/NDF:102.1/51

All: -213.014+/-80.032 χ^2/NDF: 162.4/96

asym_sam_12345678_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1041.693+/-0.230 χ^2/NDF: 2310414.1/21

Left Out: 515.761+/-0.084 χ^2/NDF:1232481.1/24

Right Out: 1089.596+/-0.229 χ^2/NDF: 2699687.9/26

Left In: 514.087+/-0.086 χ^2/NDF:1116882.7/22

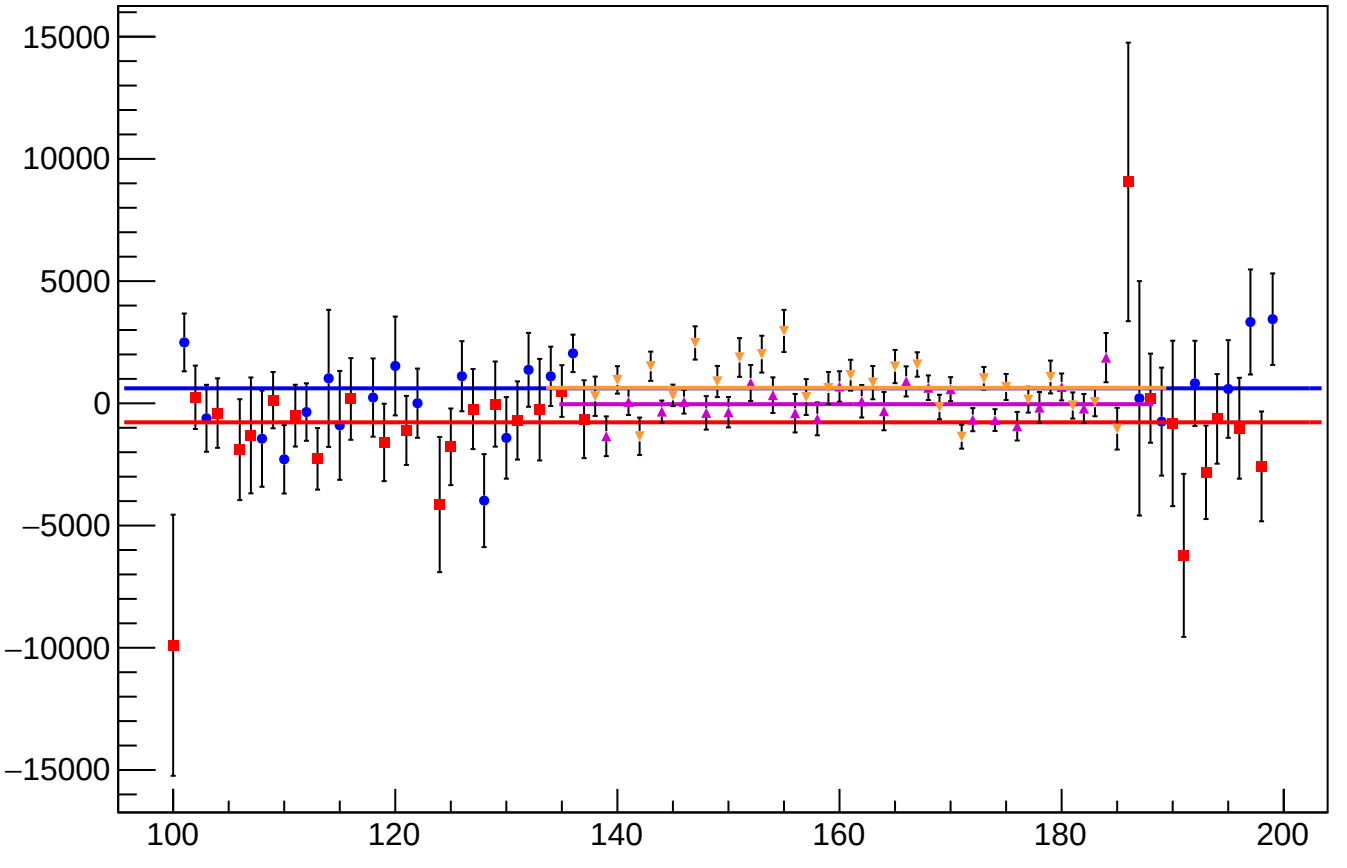
Left: 514.944+/-0.060 χ^2/NDF: 2349555.7/47

Right: 1065.768+/-0.162 χ^2/NDF: 5031951.1/48

In: 579.574+/-0.081 χ^2/NDF:8046566.4/44

Out: 584.582+/-0.079 χ^2/NDF:9479576.1/51

All: 582.134+/-0.057 χ^2/NDF: 17528099.3/96



Right In: 614.240+/-324.860 χ^2/NDF: 25.9/21

Left Out: 634.783+/-120.717 χ^2/NDF:64.5/24

Right Out: -776.307+/-324.956 χ^2/NDF: 18.1/26

Left In: -34.808+/-123.517 χ^2/NDF:25.1/22

Left: 307.664+/-86.333 χ^2/NDF: 104.6/47

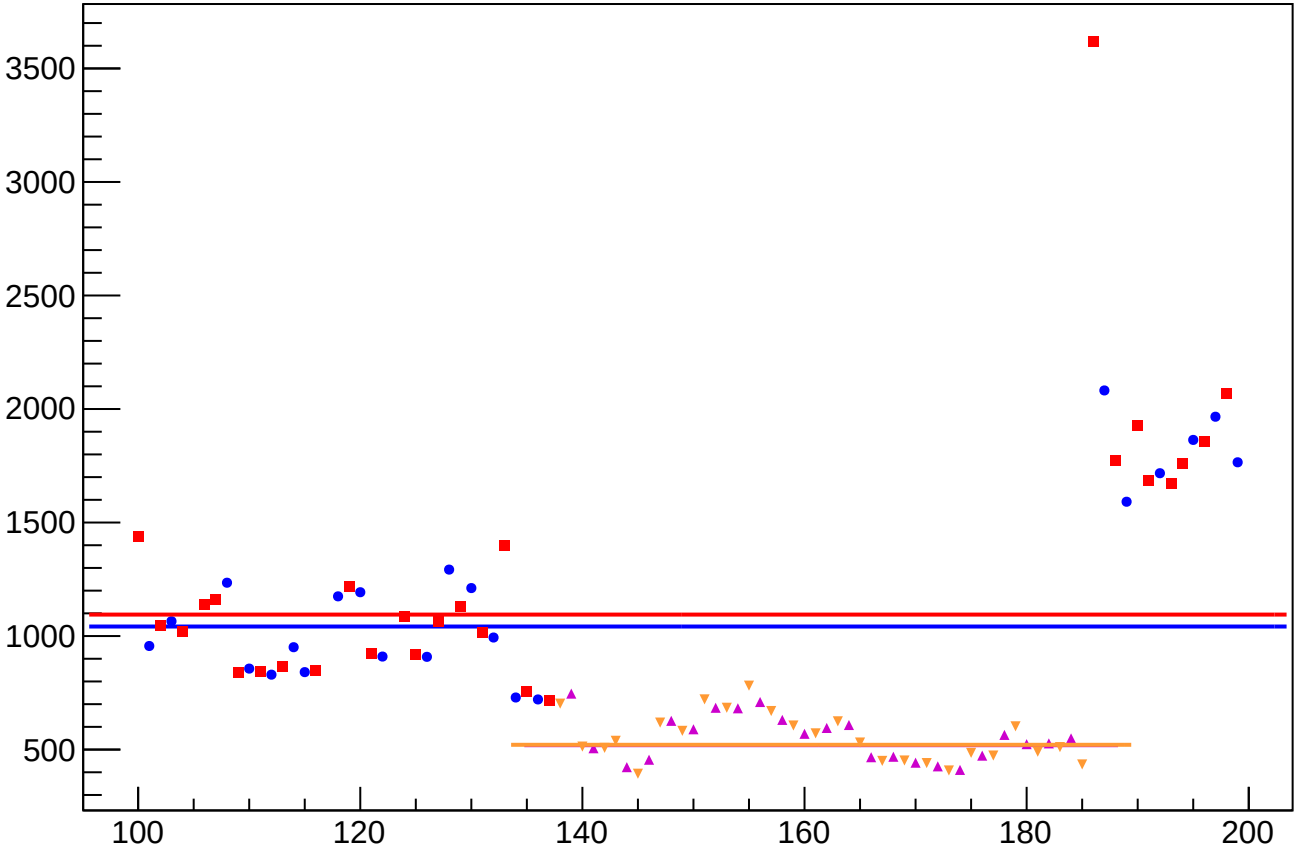
Right: -80.828+/-229.745 χ^2/NDF: 53.2/48

In: 47.170+/-115.454 χ^2/NDF:54.5/44

Out: 463.664+/-113.161 χ^2/NDF:99.2/51

All: 259.594+/-80.815 χ^2/NDF: 160.4/96

asym_sam_12345678_avg_rms vs Slug, Sign Corrected



Right In: 1041.964+/-0.230 χ^2/NDF: 2275400.4/21

Left Out: 521.025+/-0.085 χ^2/NDF:1243003.9/24

Right Out: 1094.529+/-0.230 χ^2/NDF: 2689707.1/26

Left In: 519.239+/-0.087 χ^2/NDF:1100553.3/22

Left: 520.153+/-0.061 χ^2/NDF: 2343771.0/47

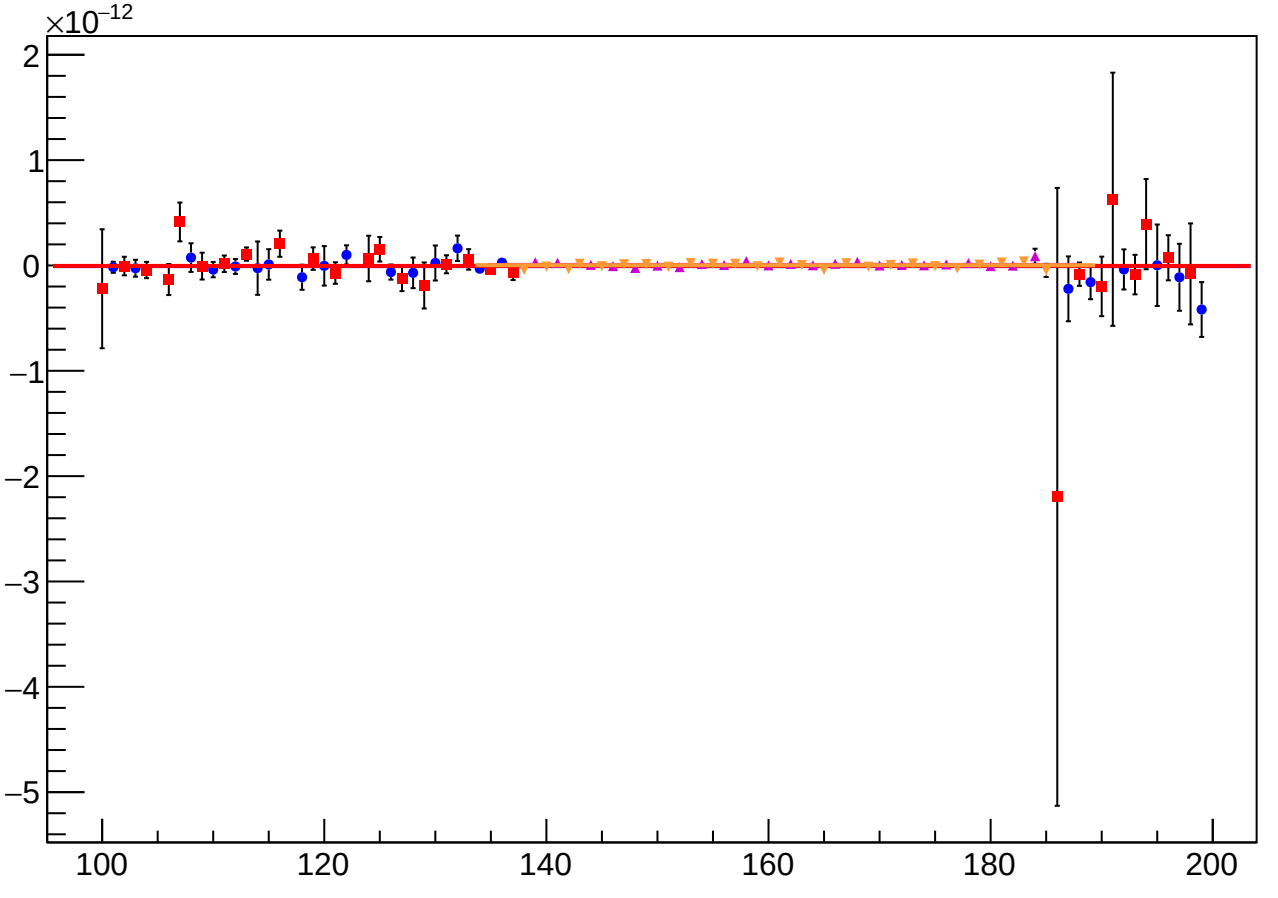
Right: 1068.239+/-0.162 χ^2/NDF: 4991282.1/48

In: 585.262+/-0.082 χ^2/NDF:7900157.3/44

Out: 590.572+/-0.080 χ^2/NDF:9406783.4/51

All: 587.971+/-0.057 χ^2/NDF: 17309098.3/96

asym_sam_12345678_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 11.1/21

Left Out: 0.000+/-0.000 χ^2/NDF:22.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 22.5/26

Left In: 0.000+/-0.000 χ^2/NDF:10.8/22

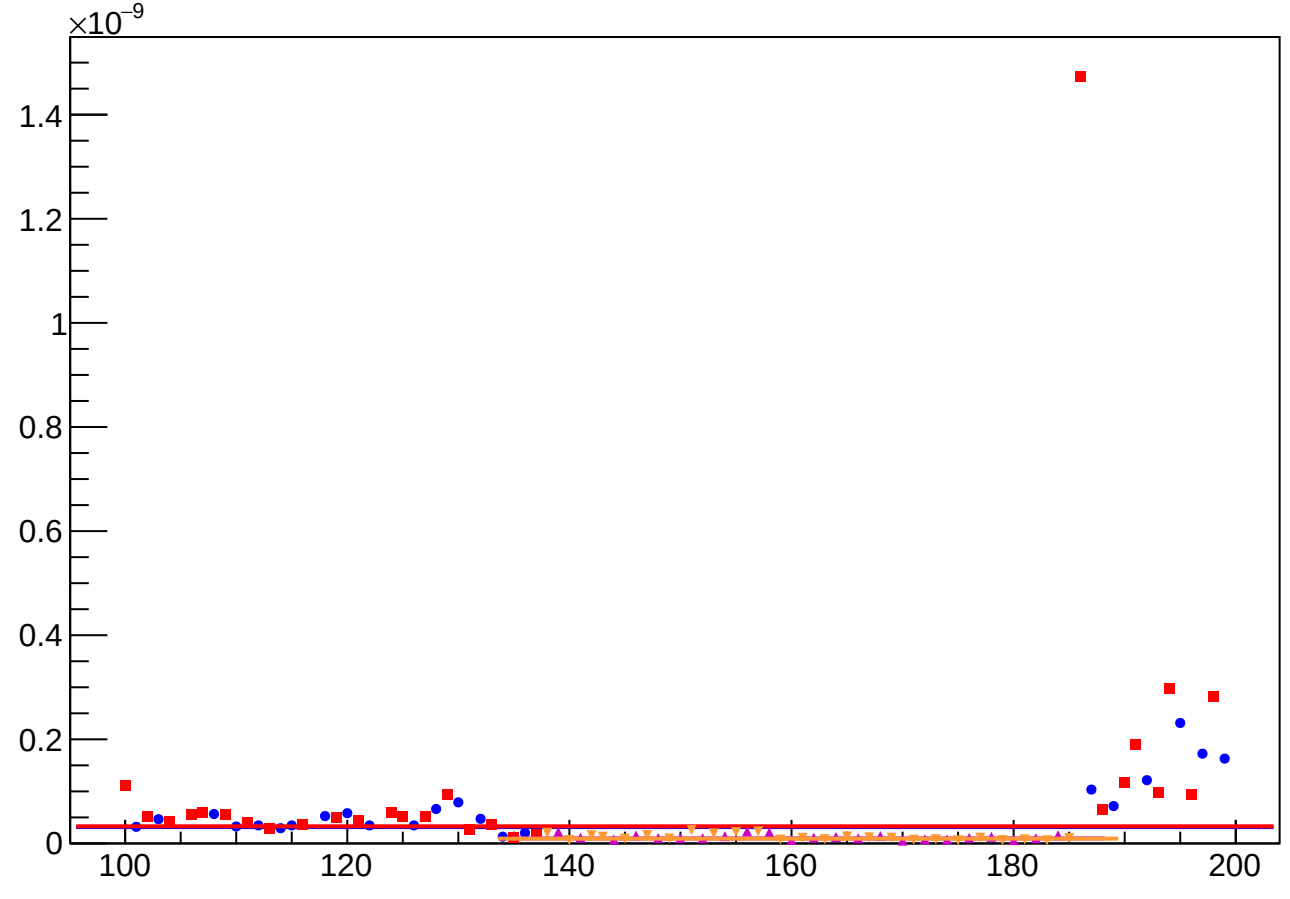
Left: 0.000+/-0.000 χ^2/NDF: 33.4/47

Right: -0.000+/-0.000 χ^2/NDF: 33.6/48

In: 0.000+/-0.000 χ^2/NDF:22.3/44

Out: 0.000+/-0.000 χ^2/NDF:45.0/51

All: 0.000+/-0.000 χ^2/NDF: 67.5/96



Right In: 0.000+/-0.000 χ^2/NDF: 3328814.5/21

Left Out: 0.000+/-0.000 χ^2/NDF:2137290.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4303205.2/26

Left In: 0.000+/-0.000 χ^2/NDF:1614718.4/22

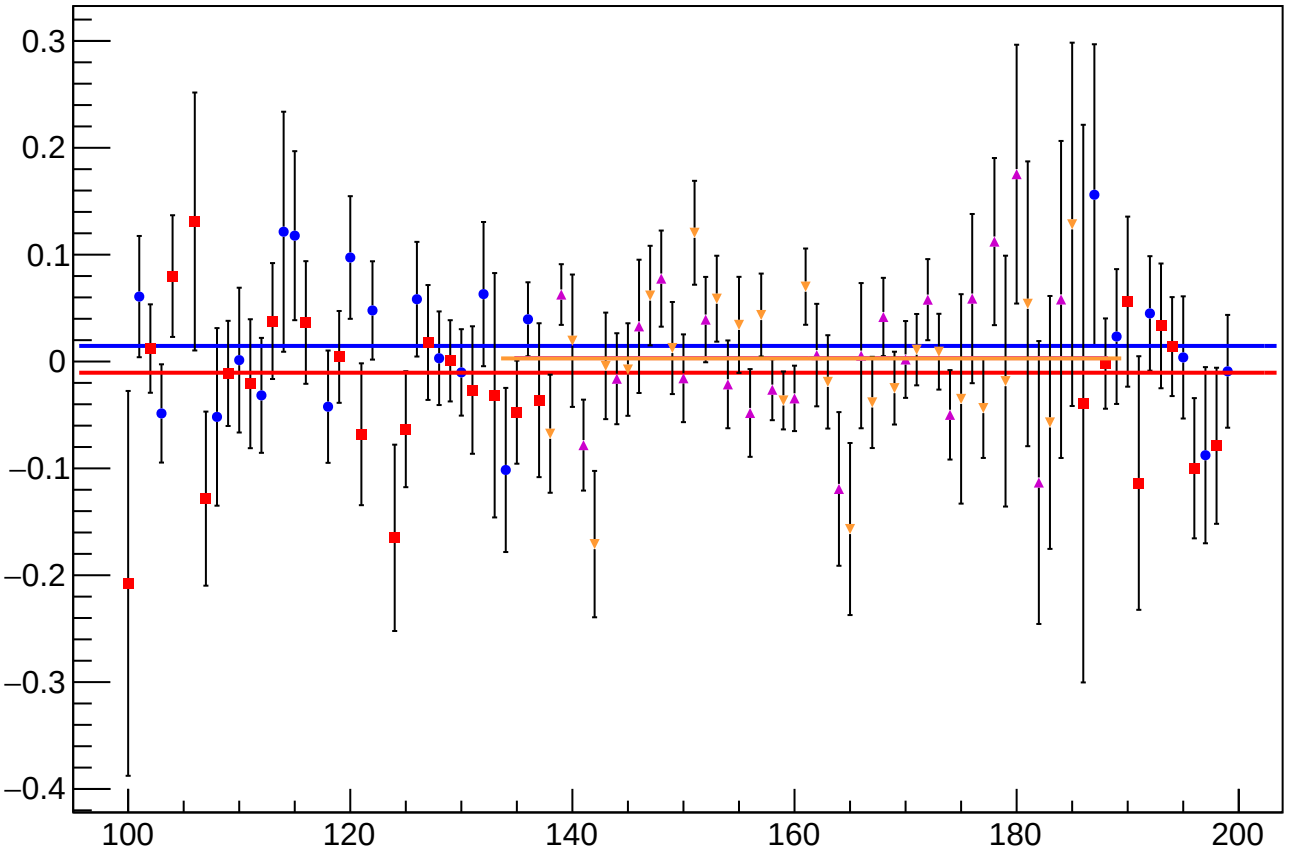
Left: 0.000+/-0.000 χ^2/NDF: 3761199.7/47

Right: 0.000+/-0.000 χ^2/NDF: 7638886.4/48

In: 0.000+/-0.000 χ^2/NDF:7931525.2/44

Out: 0.000+/-0.000 χ^2/NDF:9525689.0/51

All: 0.000+/-0.000 χ^2/NDF: 17477175.3/96



Right In: 0.015+/-0.012 χ^2/NDF: 17.9/21

Left Out: 0.003+/-0.009 χ^2/NDF:32.9/24

Right Out: -0.010+/-0.011 χ^2/NDF: 20.2/26

Left In: 0.003+/-0.009 χ^2/NDF:29.8/22

Left: 0.003+/-0.007 χ^2/NDF: 62.7/47

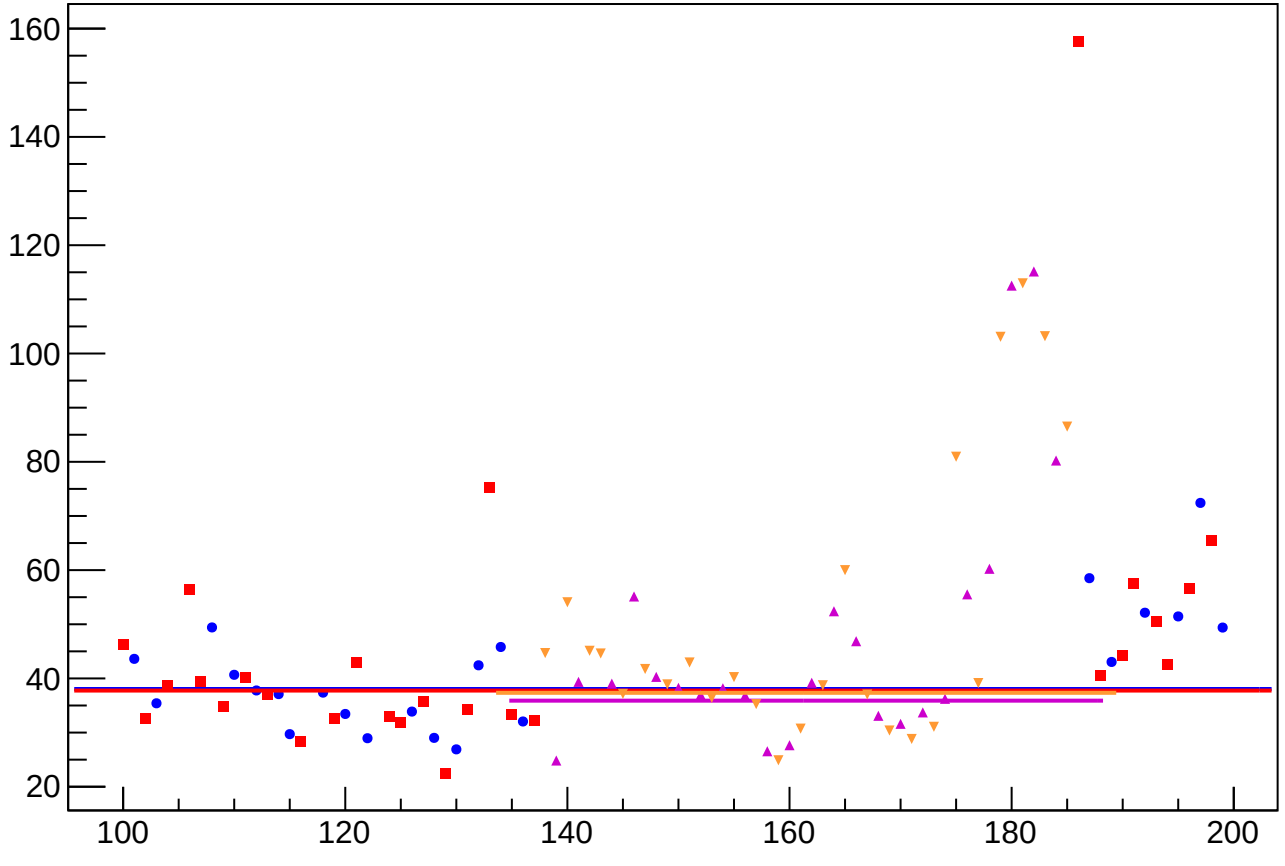
Right: 0.001+/-0.008 χ^2/NDF: 40.4/48

In: 0.007+/-0.007 χ^2/NDF:48.3/44

Out: -0.002+/-0.007 χ^2/NDF:53.9/51

All: 0.002+/-0.005 χ^2/NDF: 103.1/96

asym_sam_12345678_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 38.047+/-0.008 χ^2/NDF: 1260674.5/21

Left Out: 37.344+/-0.007 χ^2/NDF:3696647.0/24

Right Out: 37.760+/-0.008 χ^2/NDF: 1870740.7/26

Left In: 35.896+/-0.006 χ^2/NDF:3138291.6/22

Left: 36.612+/-0.005 χ^2/NDF: 6859658.6/47

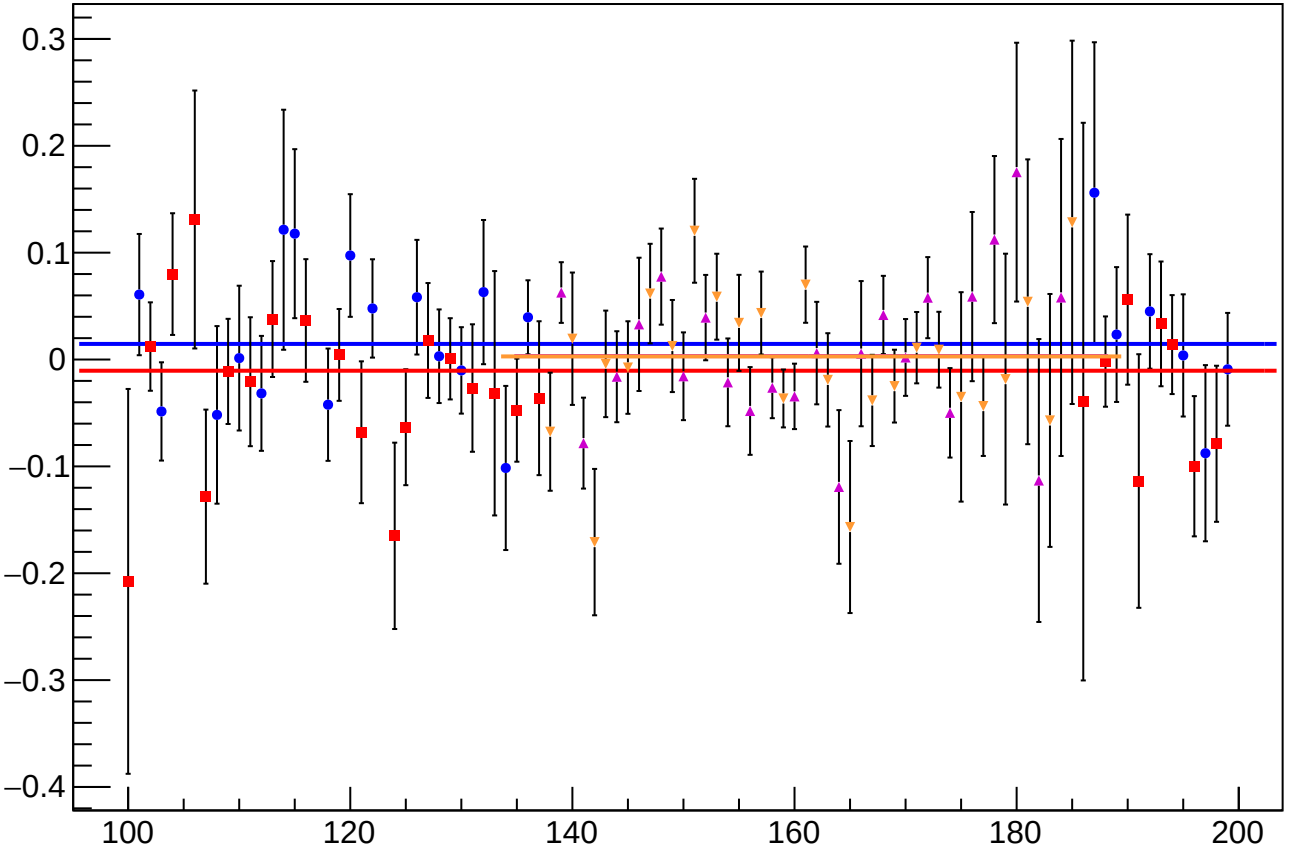
Right: 37.897+/-0.006 χ^2/NDF: 3132022.7/48

In: 36.694+/-0.005 χ^2/NDF:4439915.2/44

Out: 37.510+/-0.005 χ^2/NDF:5568995.4/51

All: 37.106+/-0.004 χ^2/NDF: 10021645.6/96

asym_sam_12345678_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.015+/-0.012 χ^2/NDF: 17.9/21

Left Out: 0.003+/-0.009 χ^2/NDF:32.9/24

Right Out: -0.010+/-0.011 χ^2/NDF: 20.2/26

Left In: 0.003+/-0.009 χ^2/NDF:29.8/22

Left: 0.003+/-0.007 χ^2/NDF: 62.7/47

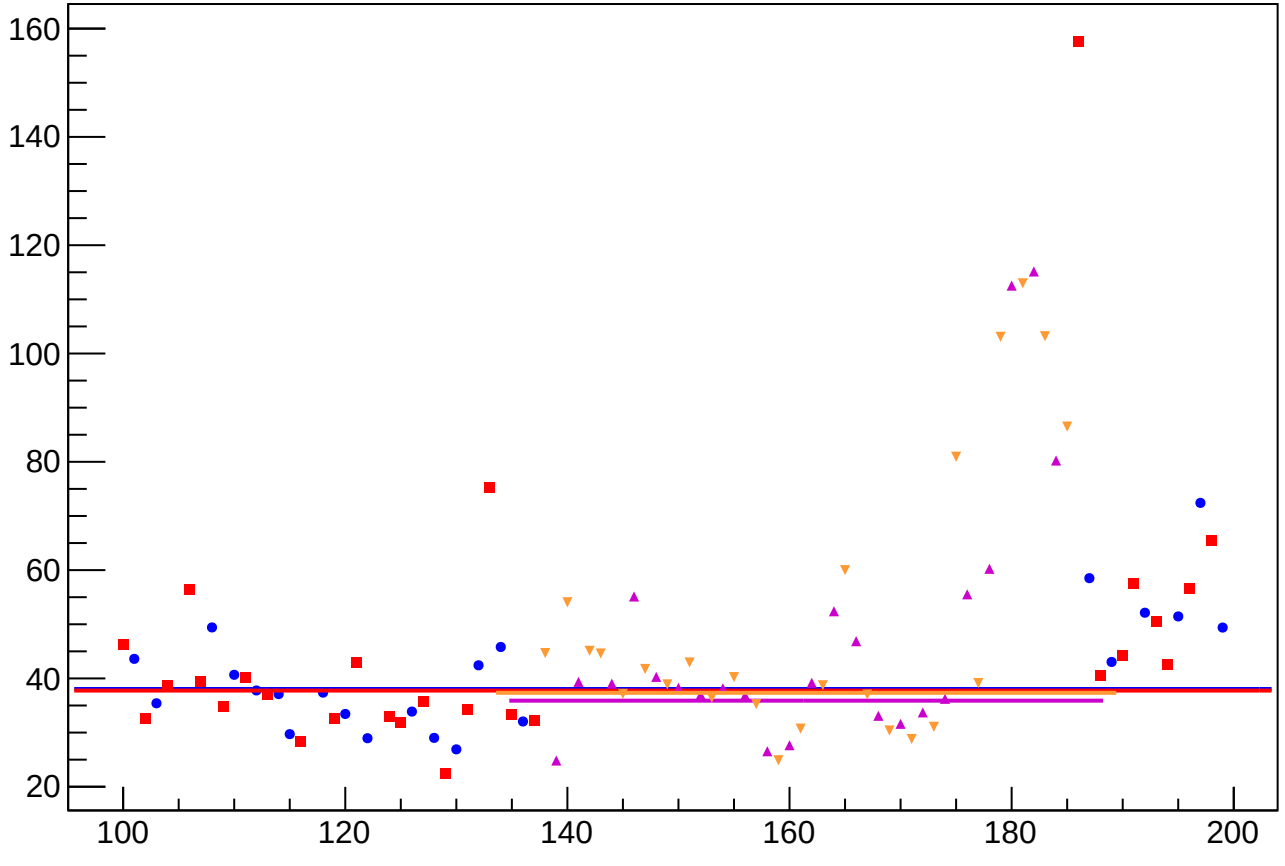
Right: 0.001+/-0.008 χ^2/NDF: 40.4/48

In: 0.007+/-0.007 χ^2/NDF:48.3/44

Out: -0.002+/-0.007 χ^2/NDF:53.9/51

All: 0.002+/-0.005 χ^2/NDF: 103.1/96

asym_sam_12345678_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 38.047+/-0.008 χ^2/NDF: 1260674.5/21

Left Out: 37.344+/-0.007 χ^2/NDF:3696647.0/24

Right Out: 37.760+/-0.008 χ^2/NDF: 1870740.7/26

Left In: 35.896+/-0.006 χ^2/NDF:3138291.6/22

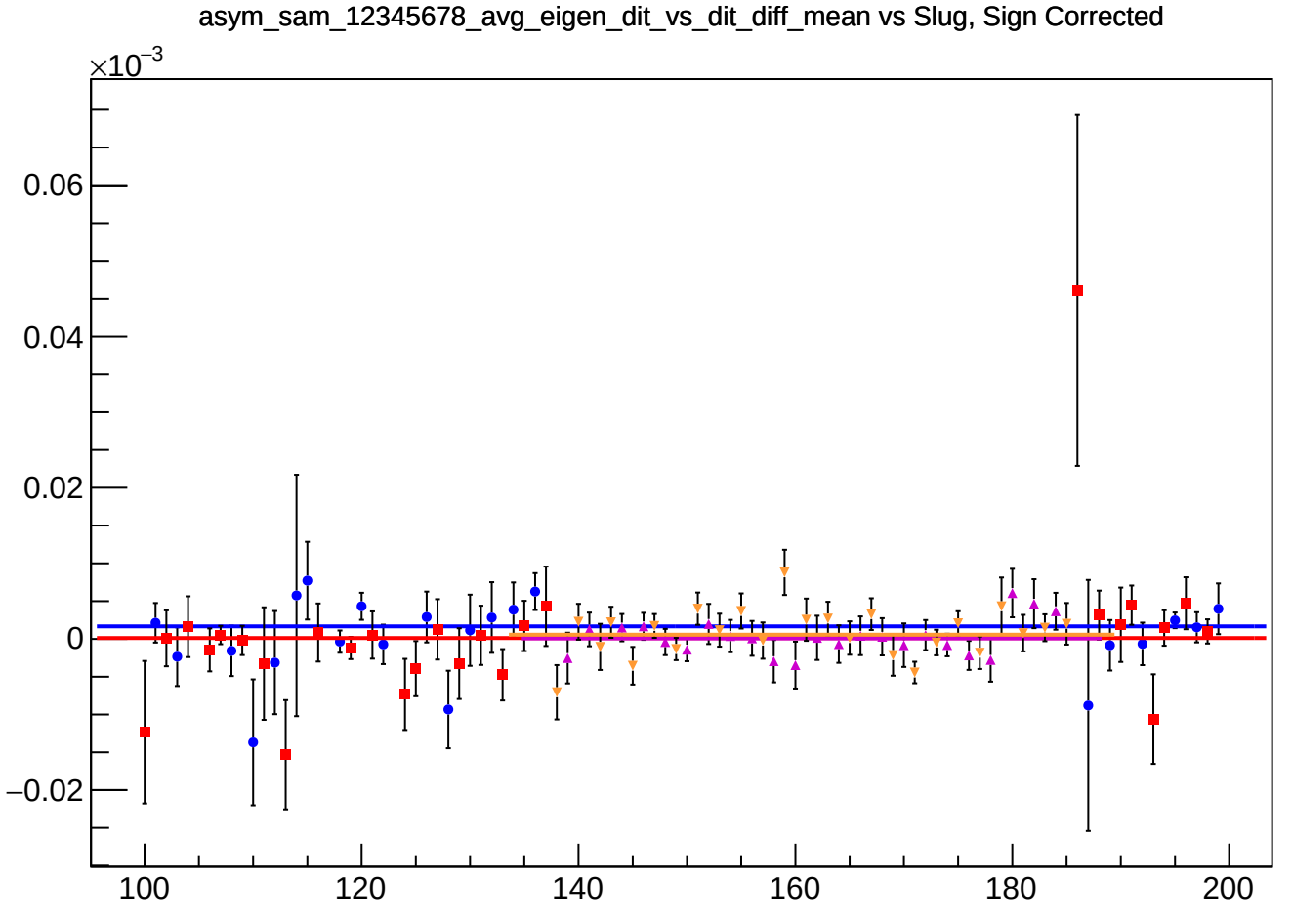
Left: 36.612+/-0.005 χ^2/NDF: 6859658.6/47

Right: 37.897+/-0.006 χ^2/NDF: 3132022.7/48

In: 36.694+/-0.005 χ^2/NDF:4439915.2/44

Out: 37.510+/-0.005 χ^2/NDF:5568995.4/51

All: 37.106+/-0.004 χ^2/NDF: 10021645.6/96



Right In: 0.000+/-0.000 χ^2/NDF: 23.8/21

Left Out: 0.000+/-0.000 χ^2/NDF:43.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 28.7/26

Left In: 0.000+/-0.000 χ^2/NDF:16.9/22

Left: 0.000+/-0.000 χ^2/NDF: 61.1/47

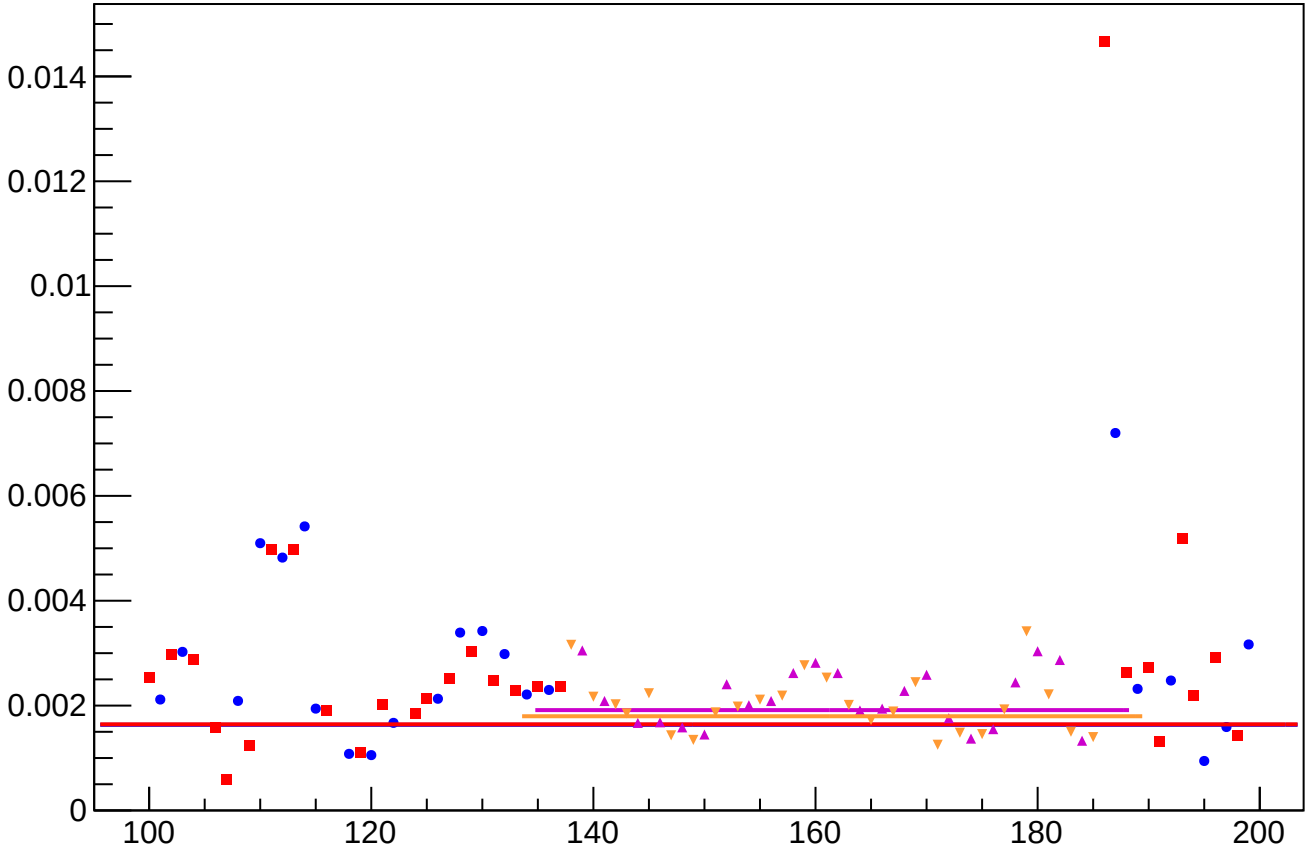
Right: 0.000+/-0.000 χ^2/NDF: 56.4/48

In: 0.000+/-0.000 χ^2/NDF:45.6/44

Out: 0.000+/-0.000 χ^2/NDF:72.6/51

All: 0.000+/-0.000 χ^2/NDF: 118.6/96

asym_sam_12345678_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 4483520.2/21

Left Out: 0.002+/-0.000 χ^2/NDF:2279340.7/24

Right Out: 0.002+/-0.000 χ^2/NDF: 5861821.4/26

Left In: 0.002+/-0.000 χ^2/NDF:2171715.8/22

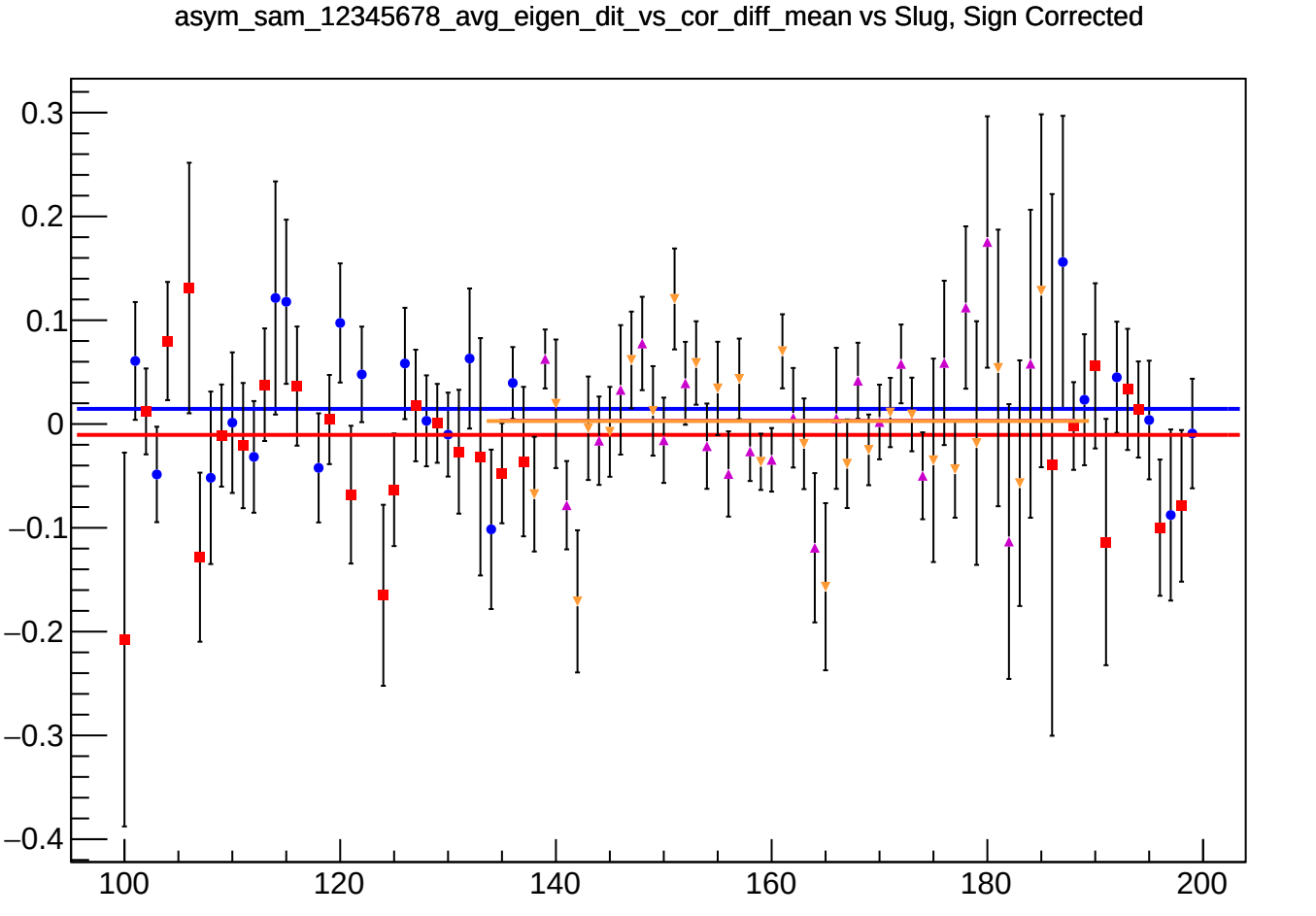
Left: 0.002+/-0.000 χ^2/NDF: 4520286.4/47

Right: 0.002+/-0.000 χ^2/NDF: 10345620.7/48

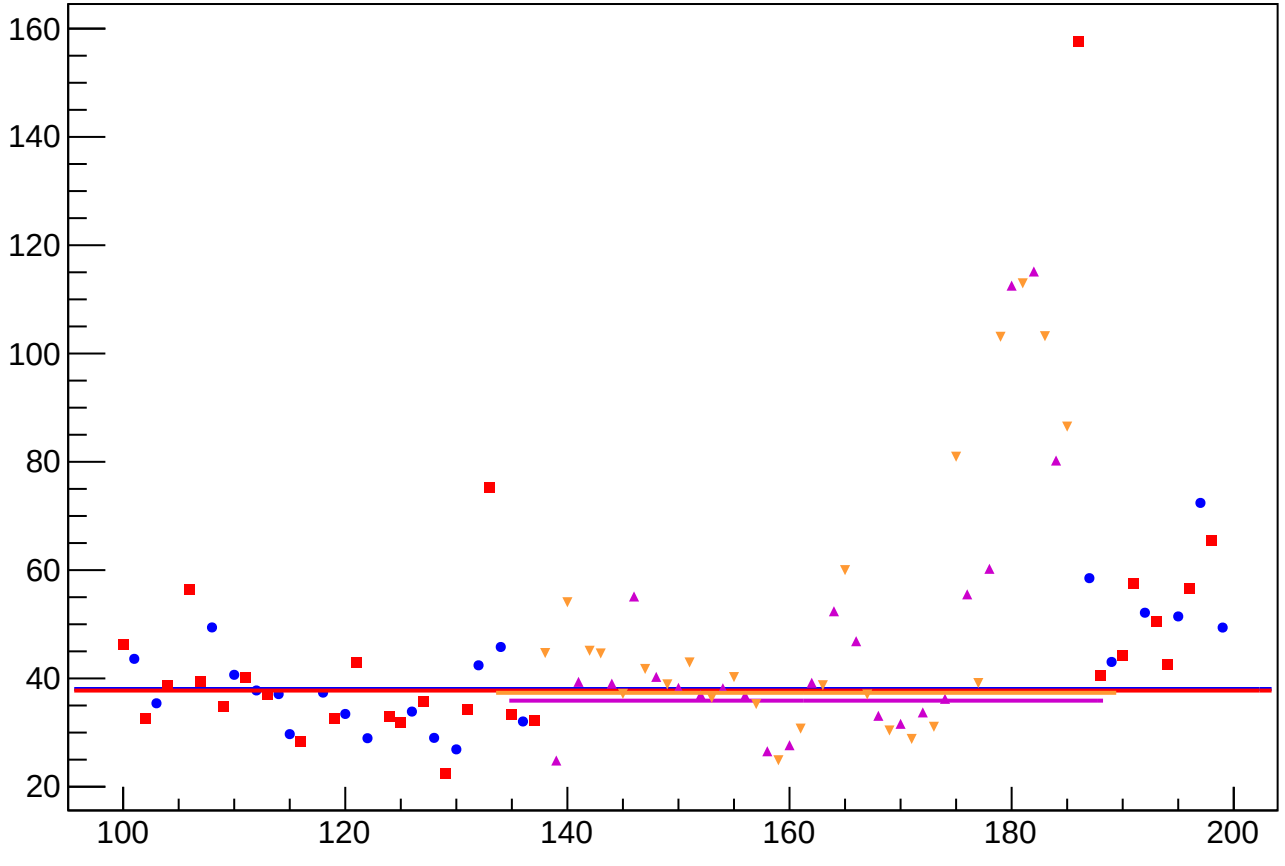
In: 0.002+/-0.000 χ^2/NDF:6955856.8/44

Out: 0.002+/-0.000 χ^2/NDF:8241018.3/51

All: 0.002+/-0.000 χ^2/NDF: 15226338.9/96


asym_sam_12345678_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
100
120
140
160
180
200
Right In: 0.015+/-0.012 χ²/NDF: 17.9/21
Left Out: 0.003+/-0.009 χ²/NDF:32.9/24
Right Out: -0.010+/-0.011 χ²/NDF: 20.2/26
Left In: 0.003+/-0.009 χ²/NDF:29.8/22
Left: 0.003+/-0.007 χ²/NDF: 62.7/47
Right: 0.001+/-0.008 χ²/NDF: 40.4/48
In: 0.007+/-0.007 χ²/NDF:48.3/44
Out: -0.002+/-0.007 χ²/NDF:53.9/51
All: 0.002+/-0.005 χ²/NDF: 103.1/96

asym_sam_12345678_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 38.047+/-0.008 χ^2/NDF: 1260776.8/21

Left Out: 37.344+/-0.007 χ^2/NDF:3696697.3/24

Right Out: 37.760+/-0.008 χ^2/NDF: 1870828.3/26

Left In: 35.896+/-0.006 χ^2/NDF:3138307.4/22

Left: 36.612+/-0.005 χ^2/NDF: 6859720.7/47

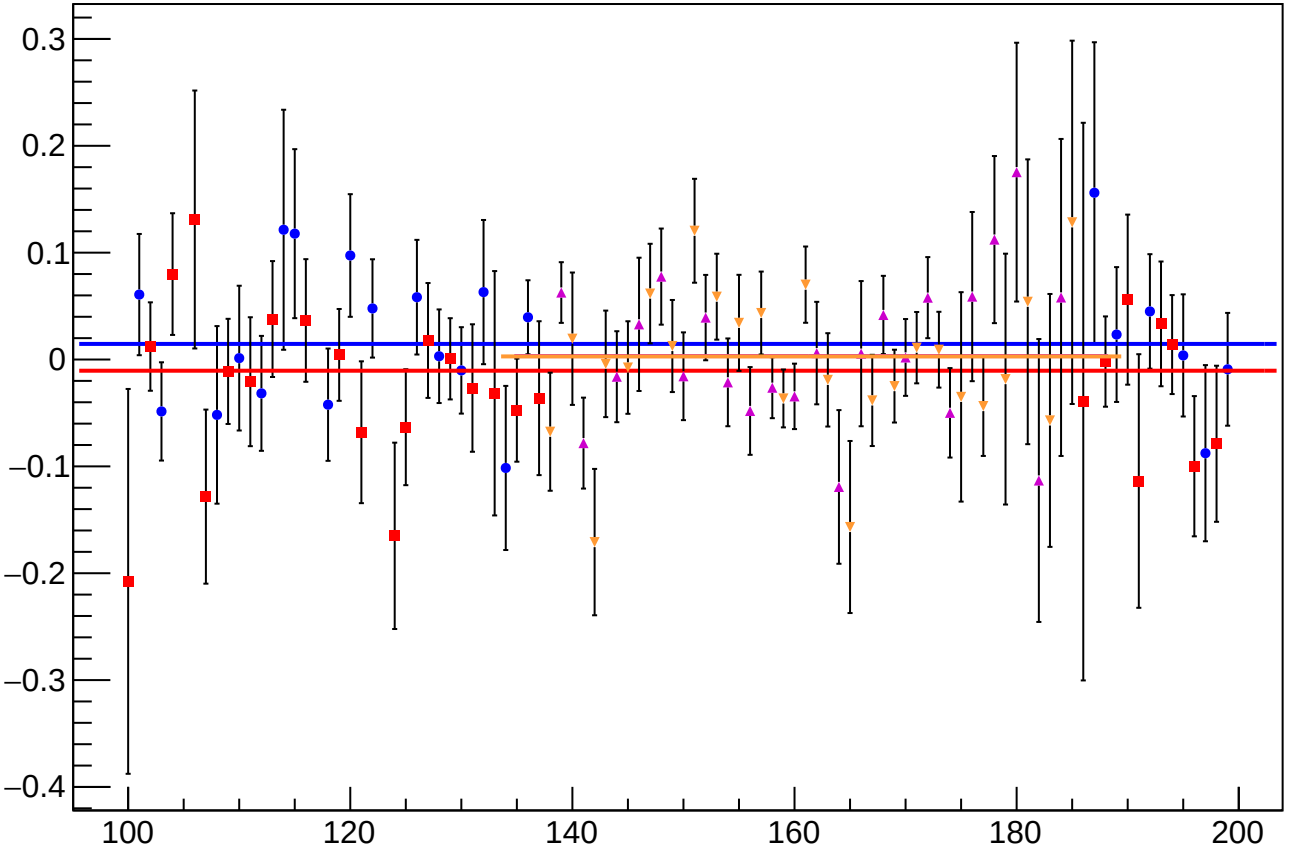
Right: 37.896+/-0.006 χ^2/NDF: 3132211.2/48

In: 36.694+/-0.005 χ^2/NDF:4439993.5/44

Out: 37.510+/-0.005 χ^2/NDF:5569128.4/51

All: 37.107+/-0.004 χ^2/NDF: 10021857.6/96

asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.015+/-0.012 χ^2/NDF: 17.9/21

Left Out: 0.003+/-0.009 χ^2/NDF:32.9/24

Right Out: -0.010+/-0.011 χ^2/NDF: 20.2/26

Left In: 0.003+/-0.009 χ^2/NDF:29.8/22

Left: 0.003+/-0.007 χ^2/NDF: 62.7/47

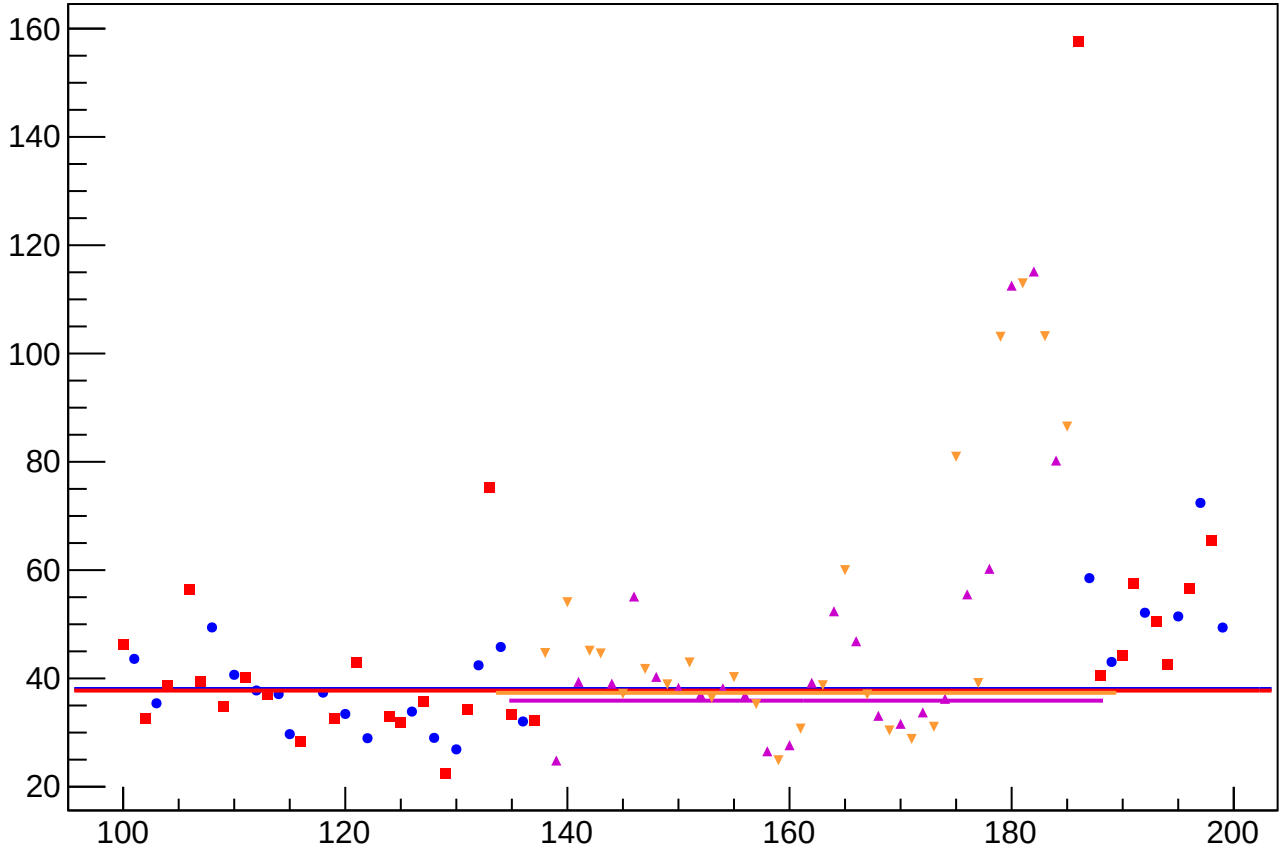
Right: 0.001+/-0.008 χ^2/NDF: 40.4/48

In: 0.007+/-0.007 χ^2/NDF:48.3/44

Out: -0.002+/-0.007 χ^2/NDF:53.9/51

All: 0.002+/-0.005 χ^2/NDF: 103.1/96

asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 38.047+/-0.008 χ^2/NDF: 1260776.8/21

Left Out: 37.344+/-0.007 χ^2/NDF:3696697.3/24

Right Out: 37.760+/-0.008 χ^2/NDF: 1870828.3/26

Left In: 35.896+/-0.006 χ^2/NDF:3138307.4/22

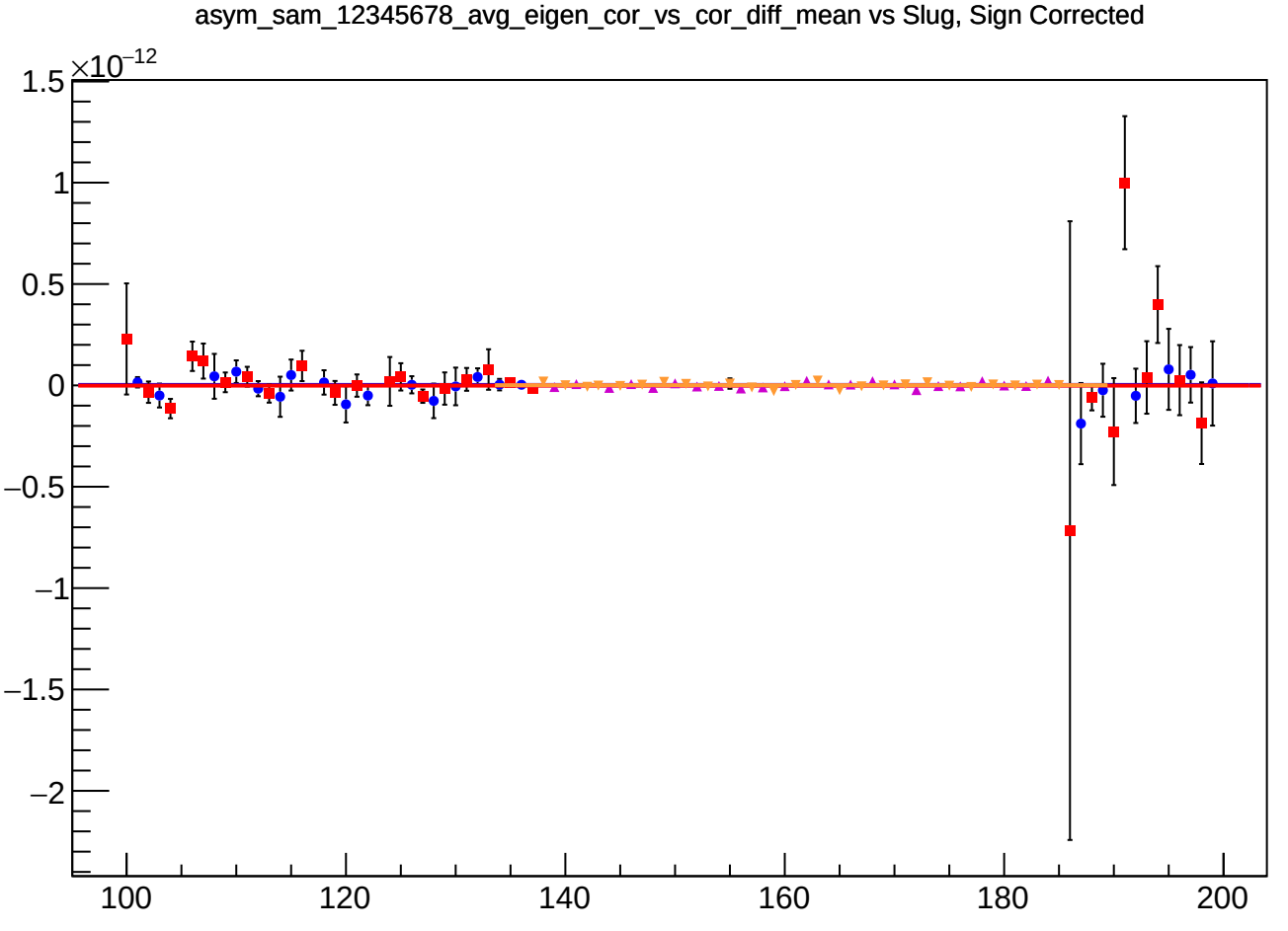
Left: 36.612+/-0.005 χ^2/NDF: 6859720.7/47

Right: 37.896+/-0.006 χ^2/NDF: 3132211.2/48

In: 36.694+/-0.005 χ^2/NDF:4439993.5/44

Out: 37.510+/-0.005 χ^2/NDF:5569128.4/51

All: 37.107+/-0.004 χ^2/NDF: 10021857.6/96



Right In: 0.000+/-0.000 χ^2/NDF: 9.1/21

Left Out: 0.000+/-0.000 χ^2/NDF:21.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 38.0/26

Left In: 0.000+/-0.000 χ^2/NDF:29.2/22

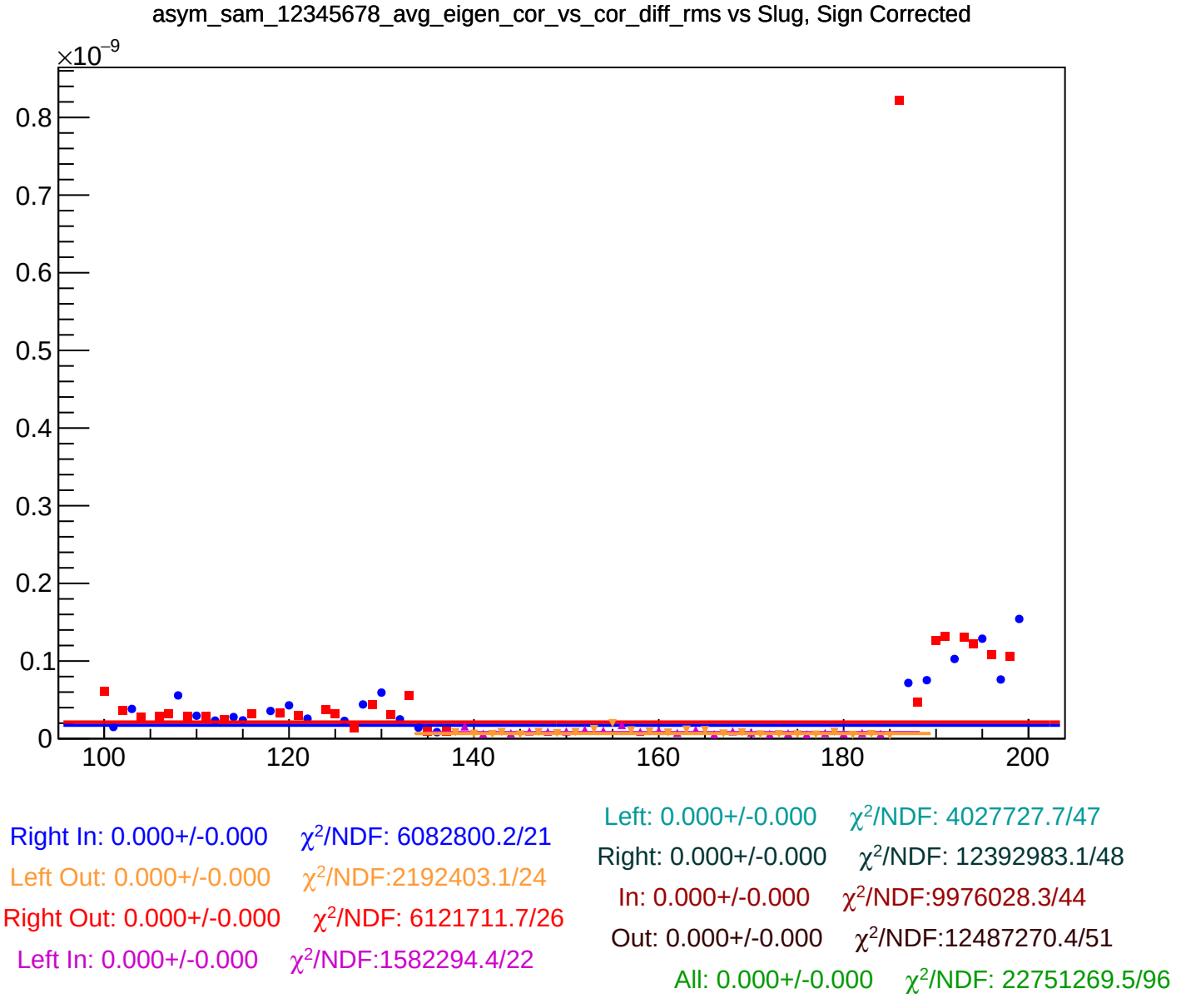
Left: 0.000+/-0.000 χ^2/NDF: 50.6/47

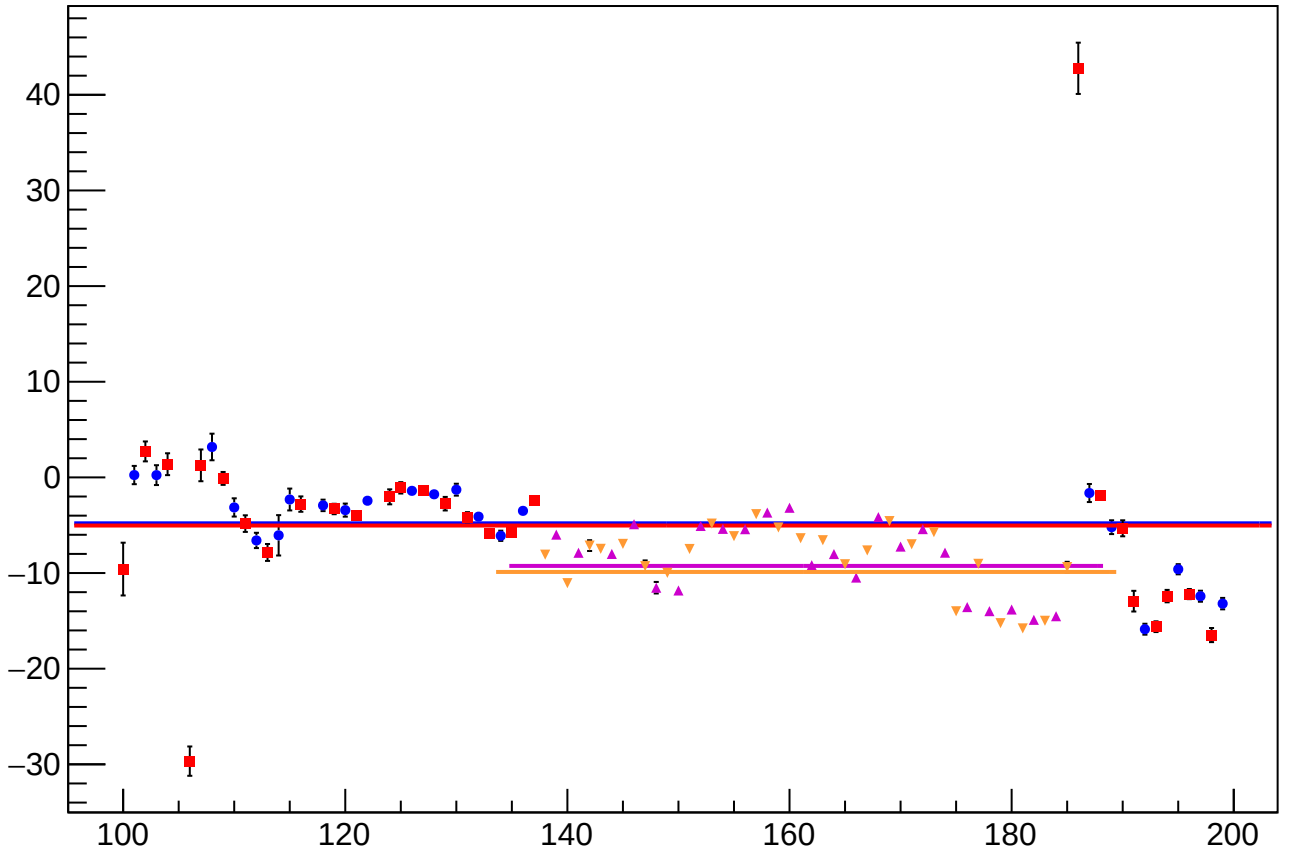
Right: 0.000+/-0.000 χ^2/NDF: 47.1/48

In: 0.000+/-0.000 χ^2/NDF:38.3/44

Out: 0.000+/-0.000 χ^2/NDF:59.4/51

All: 0.000+/-0.000 χ^2/NDF: 97.7/96


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: 6082800.2/21
Left Out: 0.000+/-0.000 χ²/NDF:2192403.1/24
Right Out: 0.000+/-0.000 χ²/NDF: 6121711.7/26
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: 12392983.1/48
In: 0.000+/-0.000 χ²/NDF:9976028.3/44
Out: 0.000+/-0.000 χ²/NDF:12487270.4/51
All: 0.000+/-0.000 χ²/NDF: 22751269.5/96



Right In: -4.802+/-0.119 χ^2/NDF: 1135.6/21

Left Out: -9.886+/-0.070 χ^2/NDF:3206.9/24

Right Out: -5.033+/-0.116 χ^2/NDF: 1999.6/26

Left In: -9.255+/-0.072 χ^2/NDF:3067.6/22

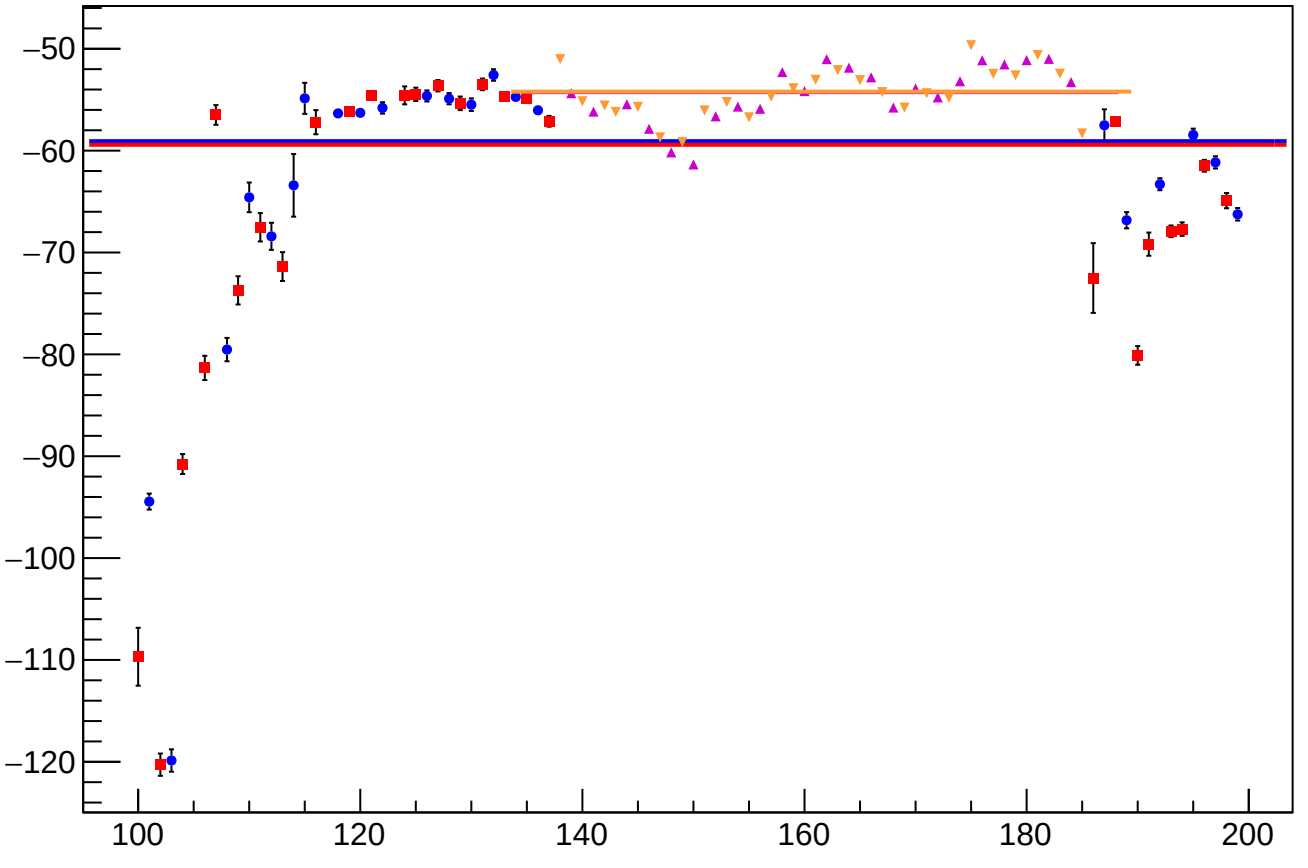
Left: -9.580+/-0.050 χ^2/NDF: 6314.6/47

Right: -4.921+/-0.083 χ^2/NDF: 3137.1/48

In: -8.077+/-0.061 χ^2/NDF:5225.3/44

Out: -8.610+/-0.060 χ^2/NDF:6487.9/51

All: -8.351+/-0.043 χ^2/NDF: 11751.9/96



Right In: -59.068+/-0.122 χ^2/NDF: 6464.1/21

Left Out: -54.206+/-0.056 χ^2/NDF:1857.6/24

Right Out: -59.425+/-0.121 χ^2/NDF: 6996.4/26

Left In: -54.257+/-0.058 χ^2/NDF:2489.9/22

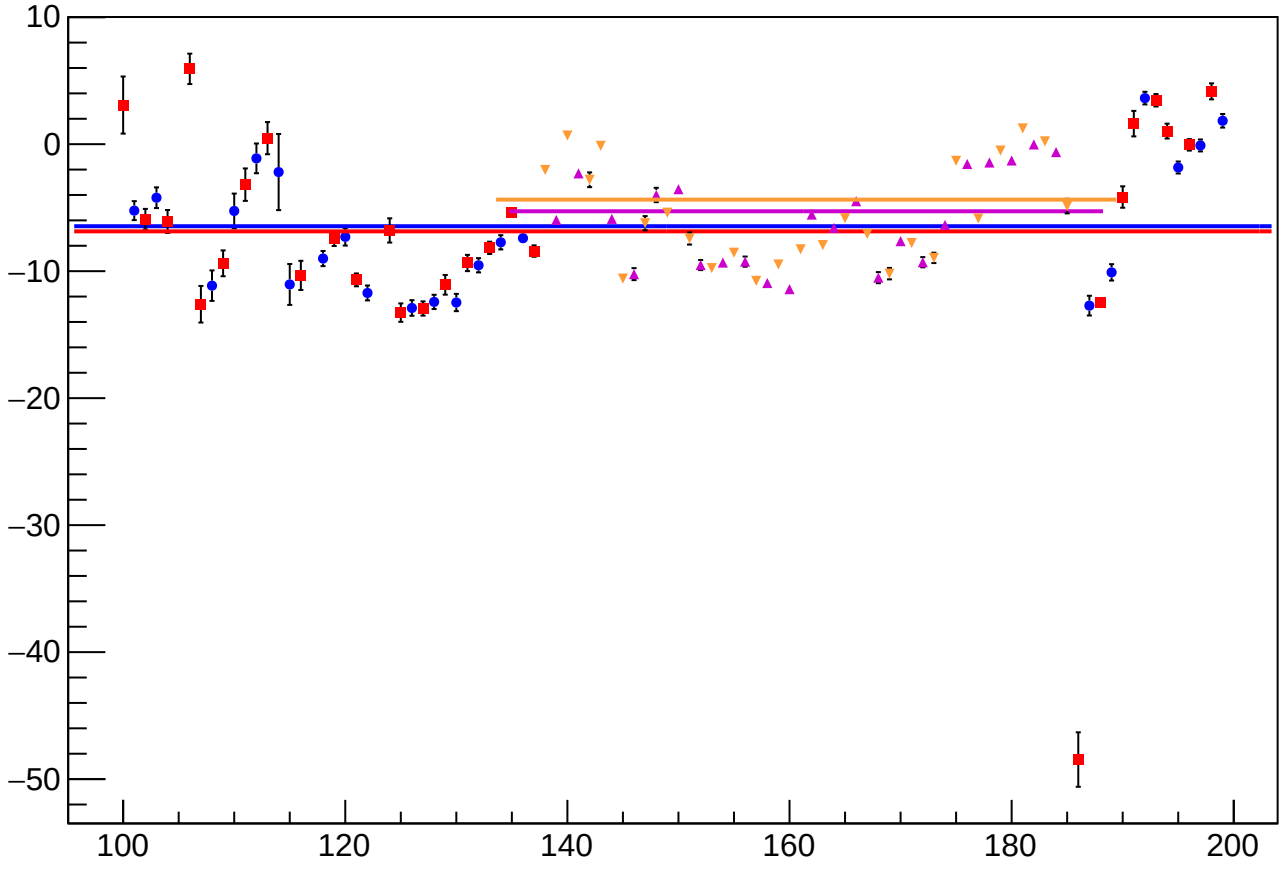
Left: -54.230+/-0.040 χ^2/NDF: 4347.9/47

Right: -59.248+/-0.086 χ^2/NDF: 13464.9/48

In: -55.154+/-0.053 χ^2/NDF:10222.3/44

Out: -55.126+/-0.051 χ^2/NDF:10393.9/51

All: -55.139+/-0.036 χ^2/NDF: 20616.4/96



Right In: -6.461+/-0.121 χ^2/NDF: 1536.1/21

Left Out: -4.366+/-0.069 χ^2/NDF:3701.4/24

Right Out: -6.865+/-0.116 χ^2/NDF: 2623.2/26

Left In: -5.283+/-0.071 χ^2/NDF:2750.2/22

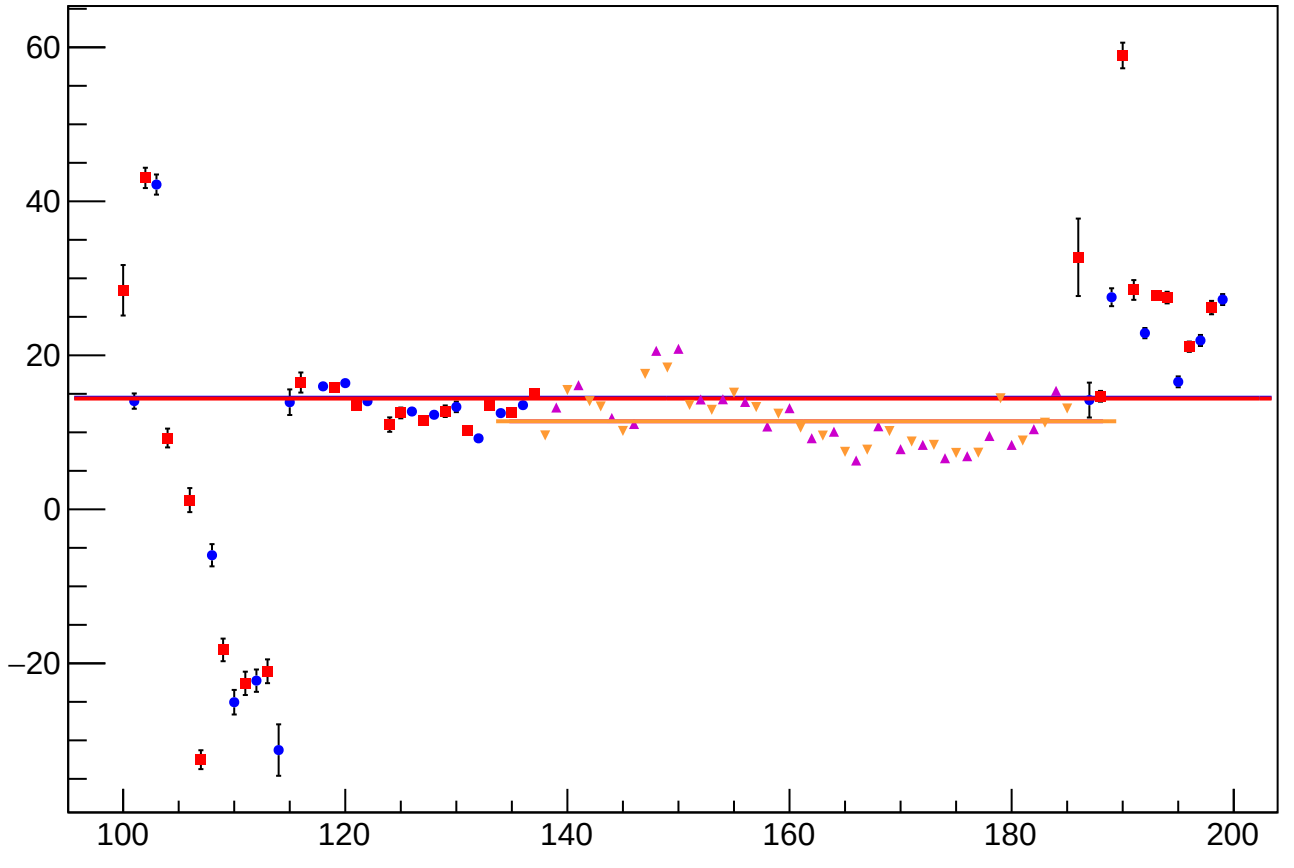
Left: -4.813+/-0.050 χ^2/NDF: 6536.9/47

Right: -6.672+/-0.084 χ^2/NDF: 4165.2/48

In: -5.585+/-0.061 χ^2/NDF:4356.9/44

Out: -5.023+/-0.059 χ^2/NDF:6667.0/51

All: -5.296+/-0.043 χ^2/NDF: 11067.2/96



Right In: 14.493+/-0.137 χ^2/NDF: 2972.8/21

Left Out: 11.438+/-0.062 χ^2/NDF:2435.7/24

Right Out: 14.390+/-0.138 χ^2/NDF: 5670.5/26

Left In: 11.441+/-0.064 χ^2/NDF:3358.4/22

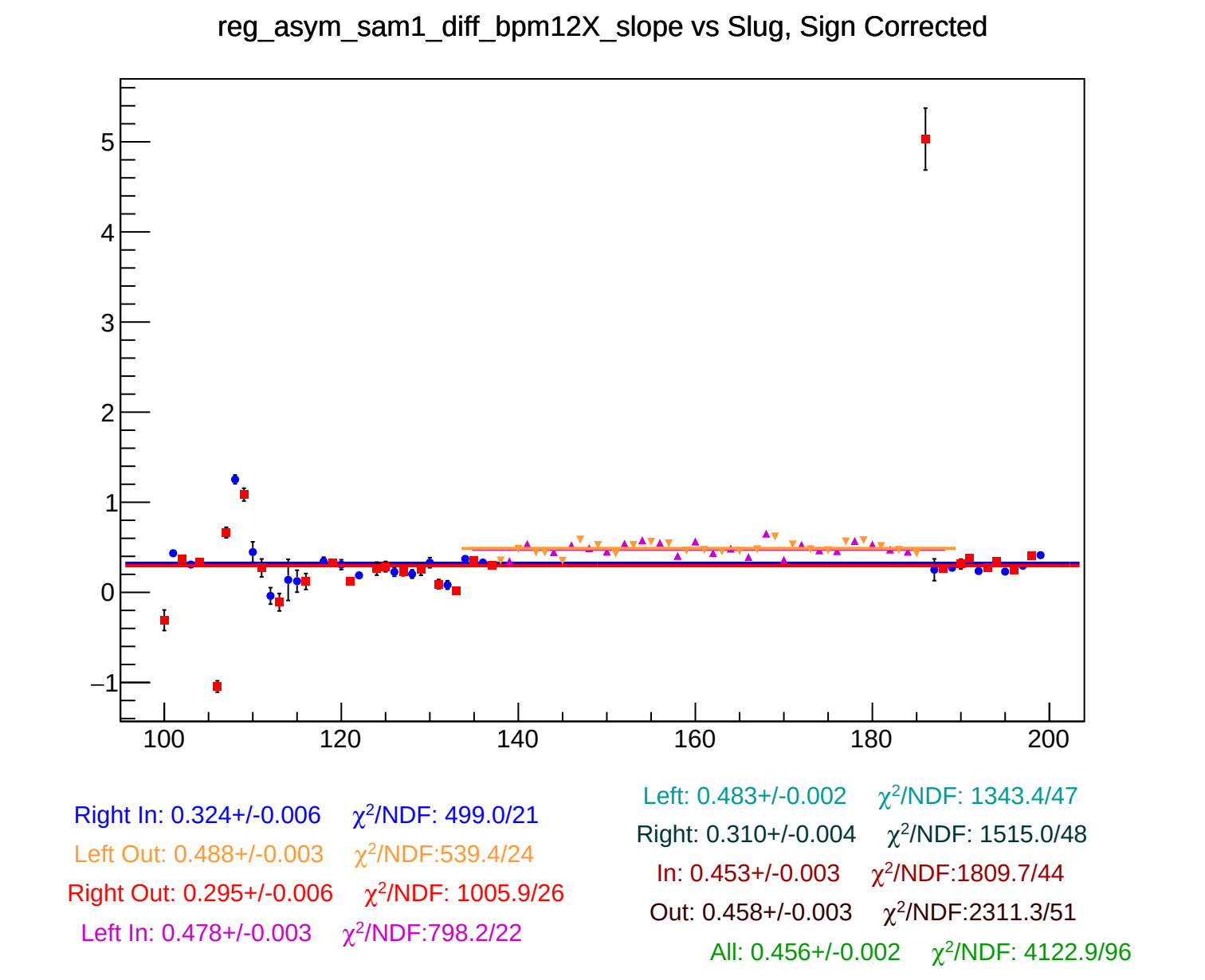
Left: 11.439+/-0.045 χ^2/NDF: 5794.1/47

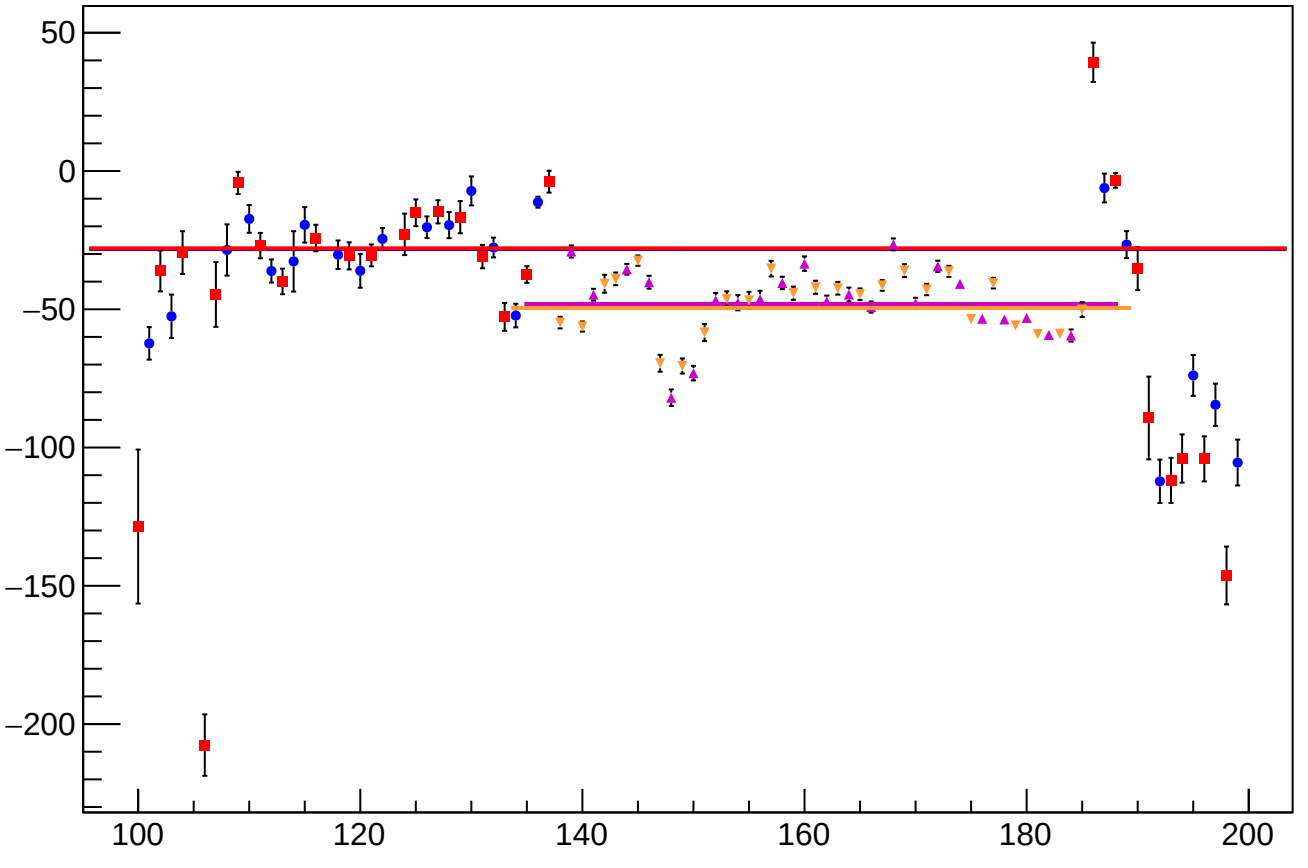
Right: 14.442+/-0.097 χ^2/NDF: 8643.5/48

In: 11.991+/-0.058 χ^2/NDF:6738.8/44

Out: 11.932+/-0.057 χ^2/NDF:8486.1/51

All: 11.961+/-0.041 χ^2/NDF: 15225.4/96


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: 0.324+/-0.006 χ²/NDF: 499.0/21
Left Out: 0.488+/-0.003 χ²/NDF:539.4/24
Right Out: 0.295+/-0.006 χ²/NDF: 1005.9/26
Left In: 0.478+/-0.003 χ²/NDF:798.2/22
Left: 0.483+/-0.002 χ²/NDF: 1343.4/47
Right: 0.310+/-0.004 χ²/NDF: 1515.0/48
In: 0.453+/-0.003 χ²/NDF:1809.7/44
Out: 0.458+/-0.003 χ²/NDF:2311.3/51
All: 0.456+/-0.002 χ²/NDF: 4122.9/96



Right In: -28.223+/-1.004 χ^2/NDF: 496.6/21

Left Out: -49.516+/-0.402 χ^2/NDF:576.3/24

Right Out: -27.962+/-0.995 χ^2/NDF: 1004.6/26

Left In: -48.087+/-0.418 χ^2/NDF:706.2/22

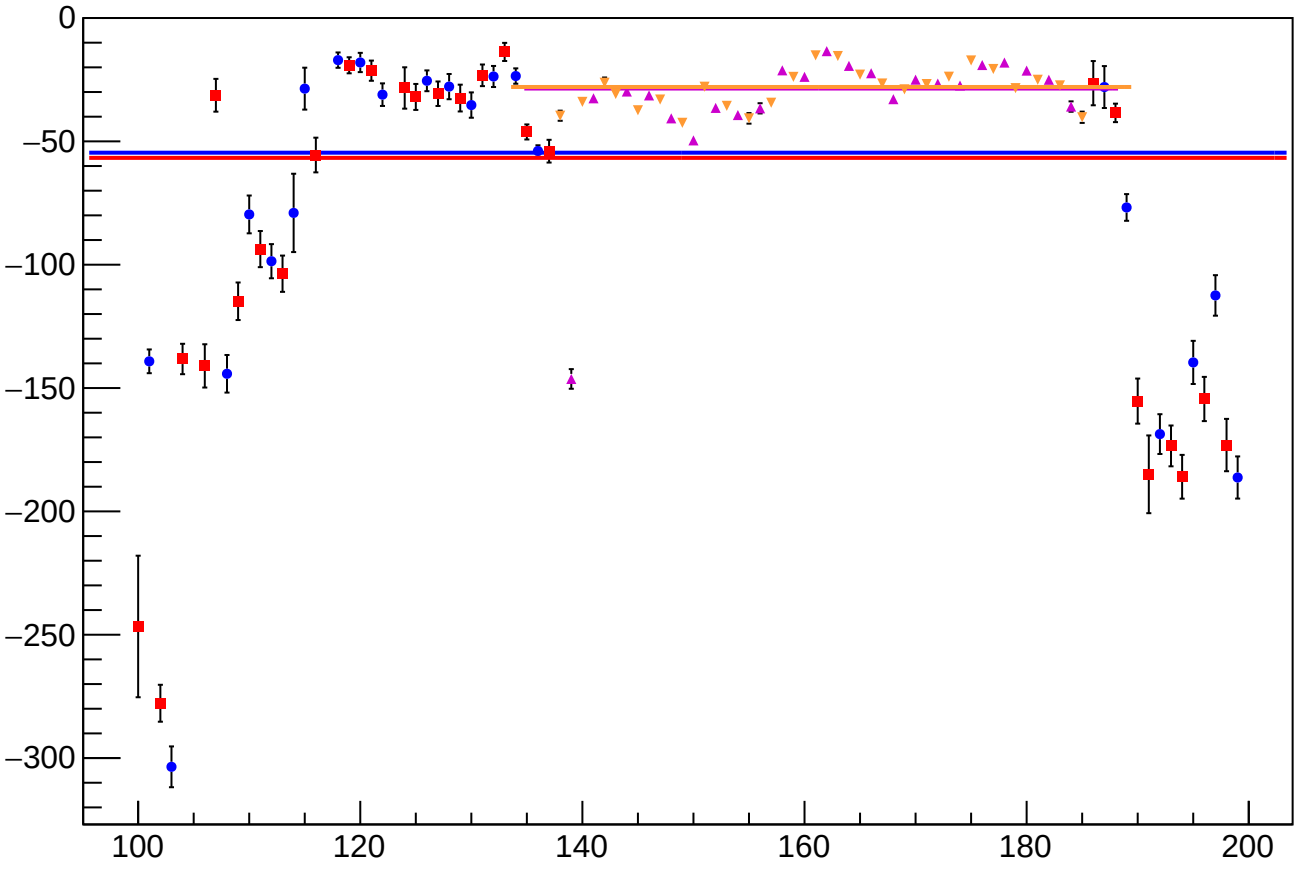
Left: -48.829+/-0.290 χ^2/NDF: 1288.6/47

Right: -28.091+/-0.707 χ^2/NDF: 1501.3/48

In: -45.145+/-0.386 χ^2/NDF:1536.4/44

Out: -46.487+/-0.373 χ^2/NDF:1984.3/51

All: -45.839+/-0.268 χ^2/NDF: 3526.9/96



Right In: -54.593+/-1.037 χ^2/NDF: 2524.2/21

Left Out: -27.957+/-0.321 χ^2/NDF:497.7/24

Right Out: -56.690+/-1.076 χ^2/NDF: 2687.5/26

Left In: -28.592+/-0.334 χ^2/NDF:1480.6/22

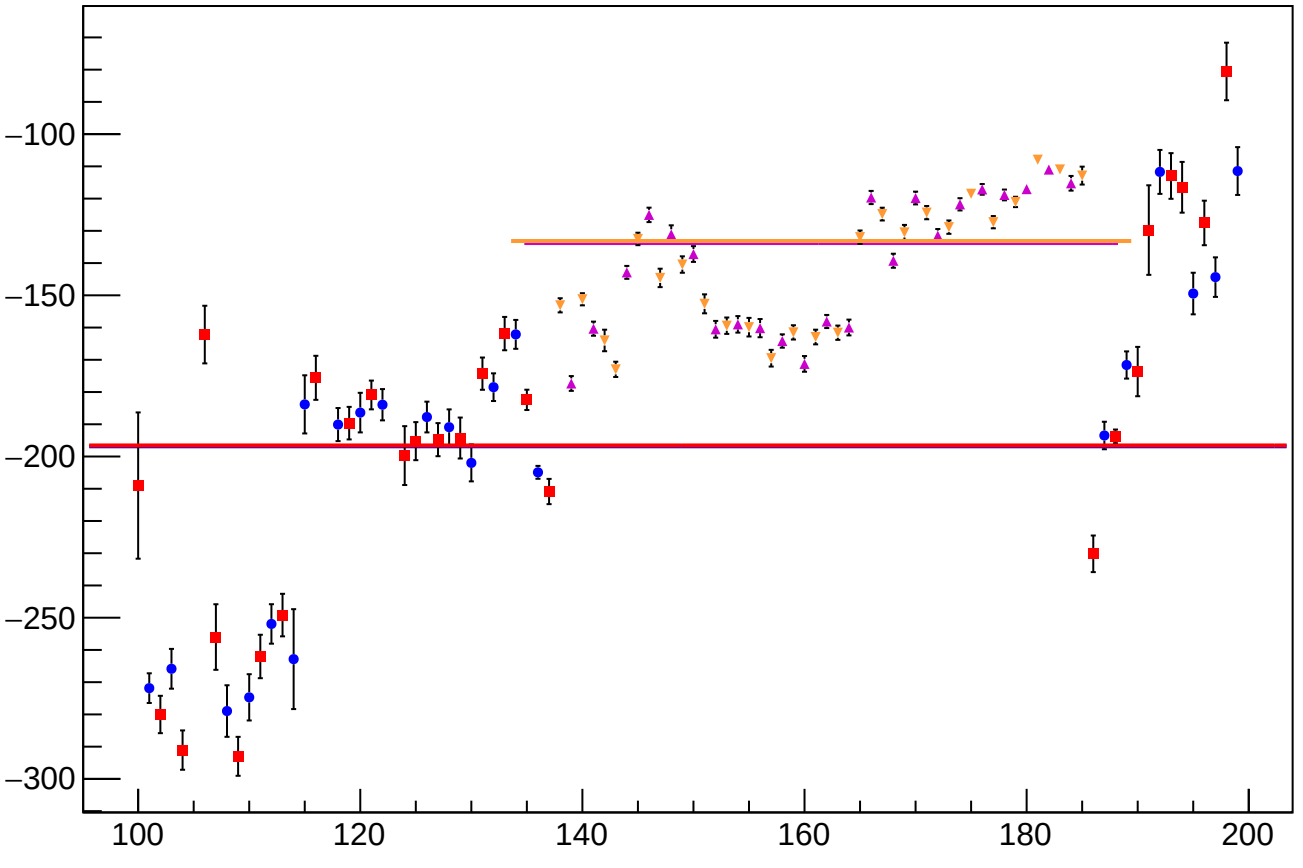
Left: -28.263+/-0.231 χ^2/NDF: 1980.2/47

Right: -55.603+/-0.747 χ^2/NDF: 5213.7/48

In: -31.031+/-0.318 χ^2/NDF:4574.6/44

Out: -30.306+/-0.308 χ^2/NDF:3839.9/51

All: -30.657+/-0.221 χ^2/NDF: 8417.2/96



Right In: -196.829+/-1.042 χ^2/NDF: 1278.8/21

Left Out: -133.155+/-0.403 χ^2/NDF:2530.7/24

Right Out: -196.571+/-1.024 χ^2/NDF: 1611.8/26

Left In: -133.777+/-0.417 χ^2/NDF:2440.7/22

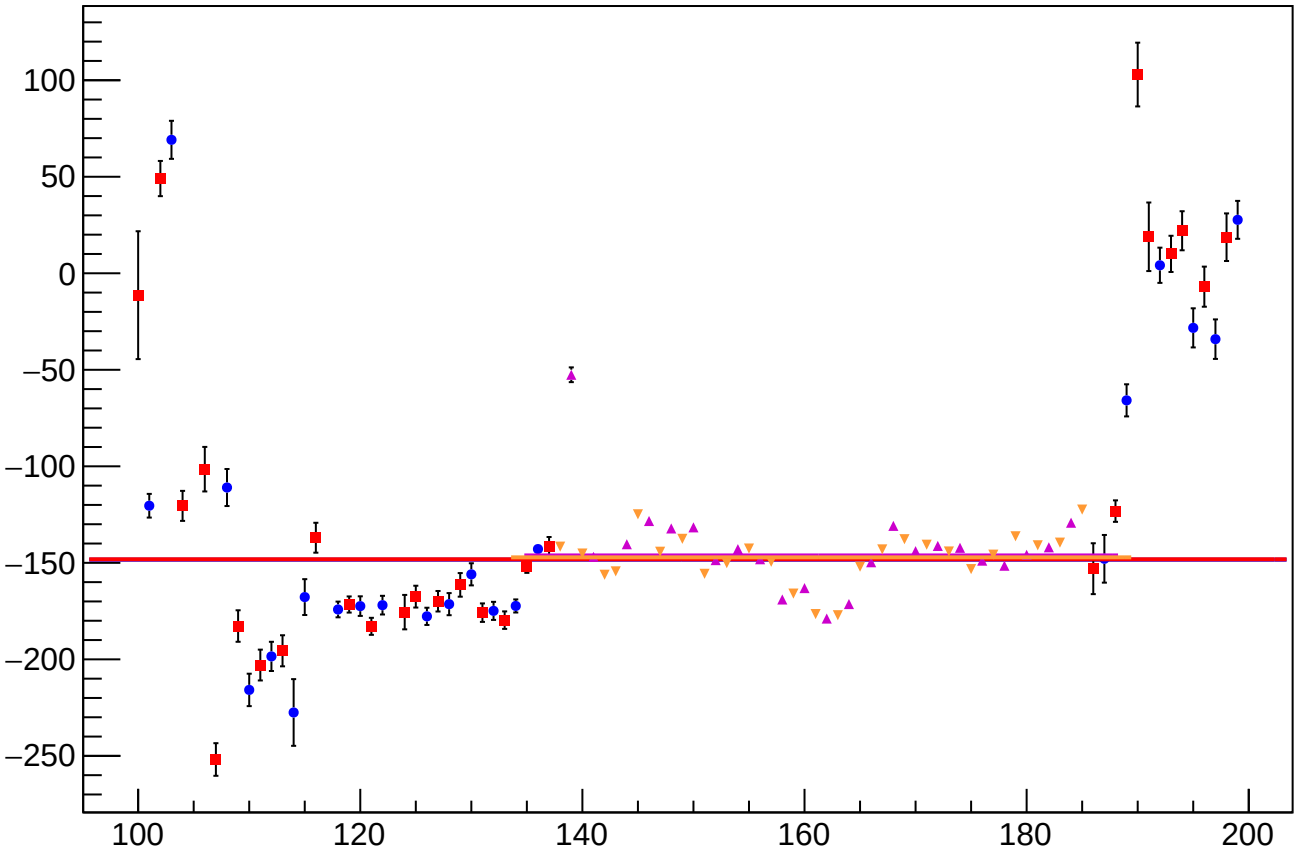
Left: -133.455+/-0.290 χ^2/NDF: 4972.5/47

Right: -196.698+/-0.730 χ^2/NDF: 2890.6/48

In: -142.485+/-0.387 χ^2/NDF:6877.3/44

Out: -141.660+/-0.375 χ^2/NDF:7464.9/51

All: -142.060+/-0.269 χ^2/NDF: 14344.6/96



Right In: -148.368+/-1.172 χ^2/NDF: 1855.7/21

Left Out: -147.167+/-0.358 χ^2/NDF:1245.6/24

Right Out: -148.171+/-1.238 χ^2/NDF: 2263.5/26

Left In: -146.173+/-0.371 χ^2/NDF:1793.8/22

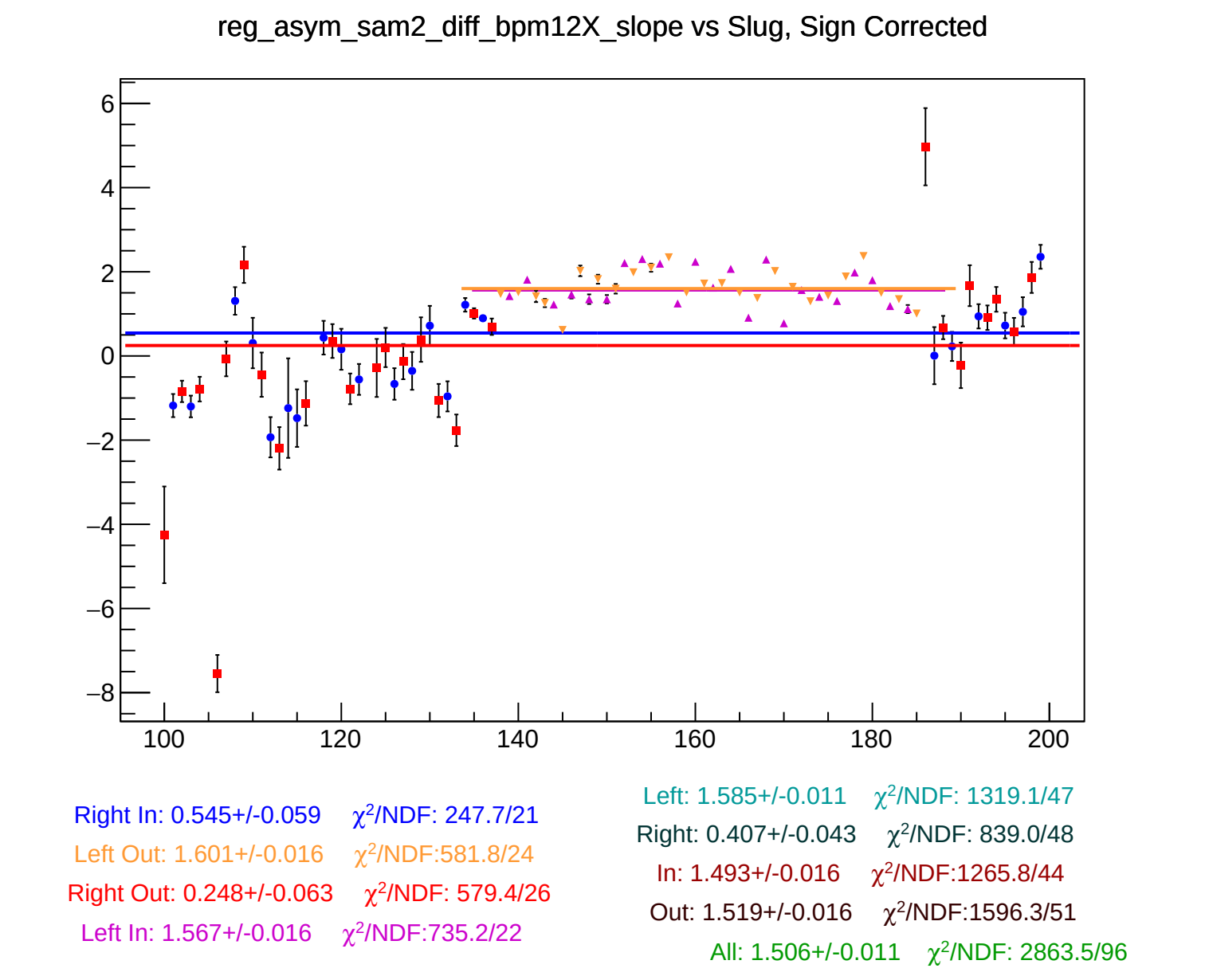
Left: -146.687+/-0.258 χ^2/NDF: 3043.1/47

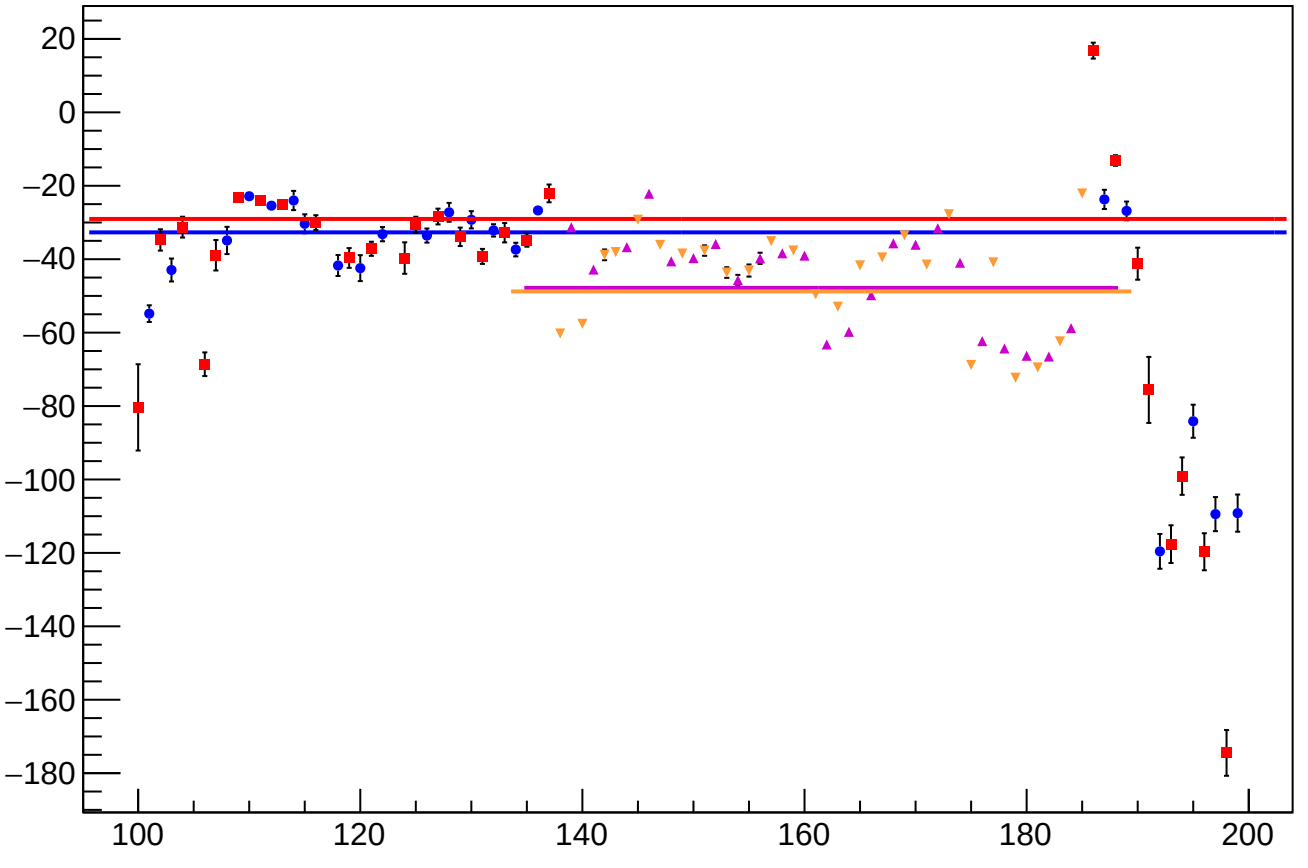
Right: -148.275+/-0.851 χ^2/NDF: 4119.2/48

In: -146.373+/-0.353 χ^2/NDF:3652.7/44

Out: -147.244+/-0.344 χ^2/NDF:3509.7/51

All: -146.820+/-0.246 χ^2/NDF: 7165.5/96


reg_asym_sam2_diff_bpm12X_slope vs Slug, Sign Corrected
6
4
2
0
−2
−4
−6
−8
100
120
140
160
180
200
Right In: 0.545+/-0.059 χ²/NDF: 247.7/21
Left Out: 1.601+/-0.016 χ²/NDF:581.8/24
Right Out: 0.248+/-0.063 χ²/NDF: 579.4/26
Left In: 1.567+/-0.016 χ²/NDF:735.2/22
Left: 1.585+/-0.011 χ²/NDF: 1319.1/47
Right: 0.407+/-0.043 χ²/NDF: 839.0/48
In: 1.493+/-0.016 χ²/NDF:1265.8/44
Out: 1.519+/-0.016 χ²/NDF:1596.3/51
All: 1.506+/-0.011 χ²/NDF: 2863.5/96



Right In: -32.690+/-0.445 χ^2/NDF: 1263.5/21

Left Out: -48.783+/-0.167 χ^2/NDF:8953.8/24

Right Out: -29.031+/-0.414 χ^2/NDF: 2289.2/26

Left In: -47.822+/-0.170 χ^2/NDF:7223.0/22

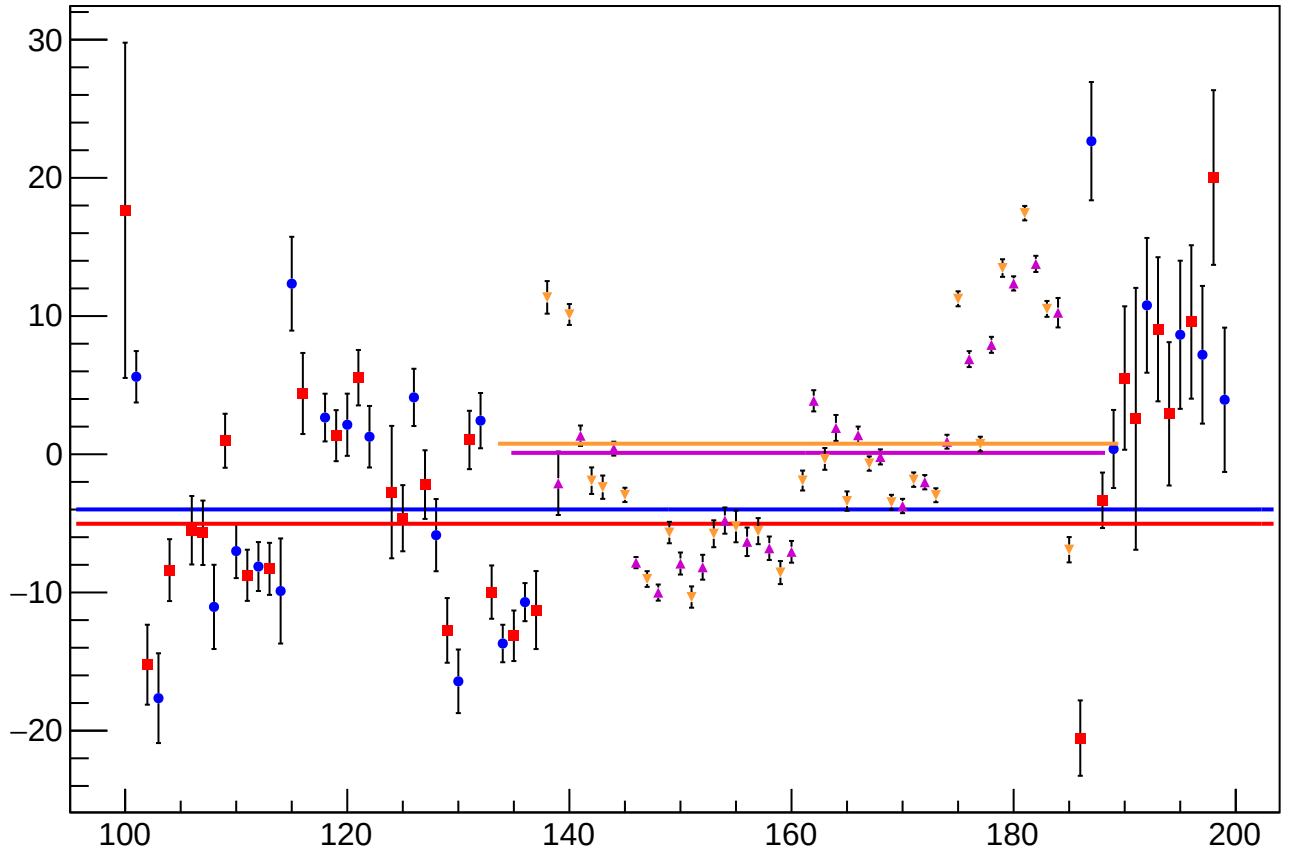
Left: -48.311+/-0.119 χ^2/NDF: 16193.1/47

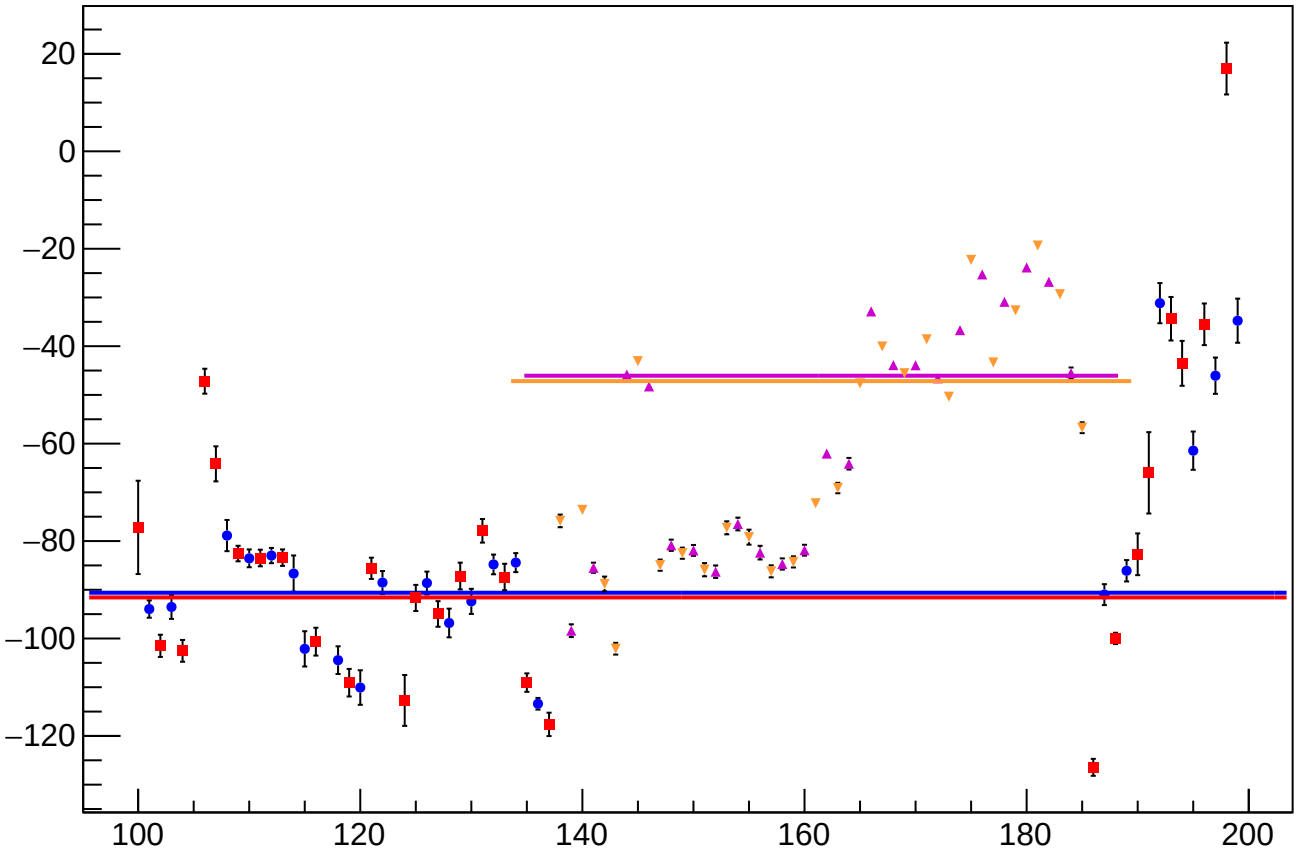
Right: -30.729+/-0.303 χ^2/NDF: 3589.0/48

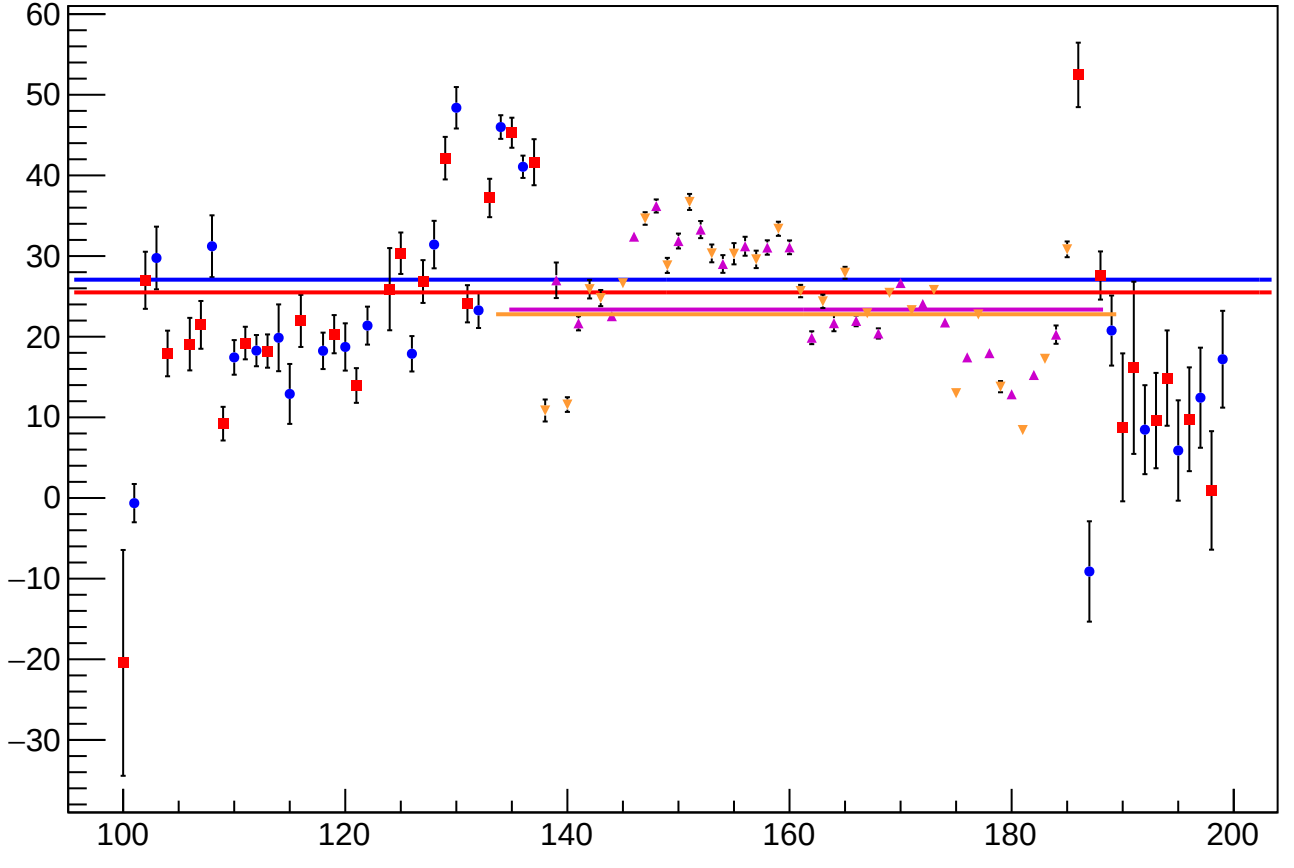
In: -45.896+/-0.159 χ^2/NDF:9495.3/44

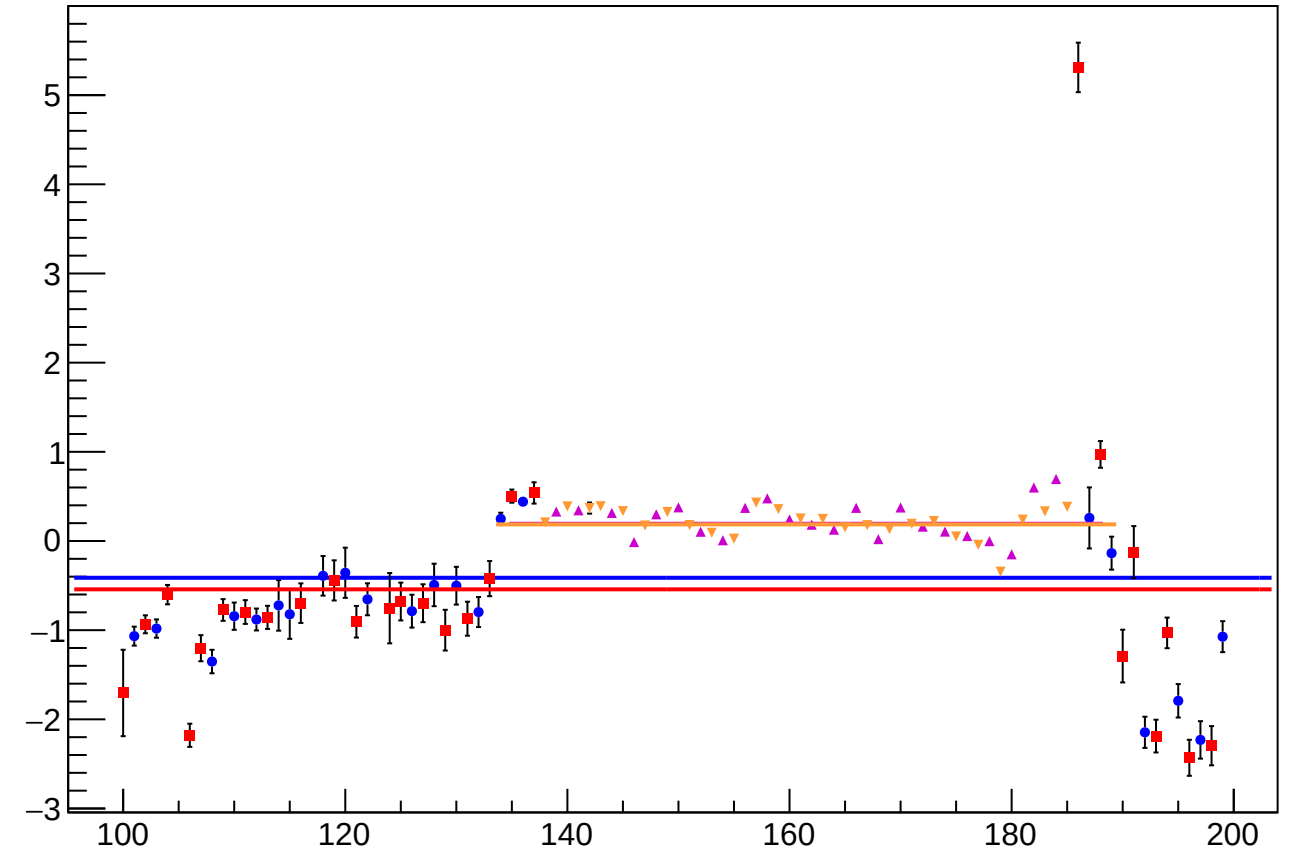
Out: -46.027+/-0.155 χ^2/NDF:13200.3/51

All: -45.963+/-0.111 χ^2/NDF: 22696.0/96


reg_asym_sam3_diff_bpm4aY_slope vs Slug, Sign Corrected
30
20
10
0
−10
−20
100
120
140
160
180
200
Right In: -3.991+/-0.489 χ²/NDF: 304.3/21
Left Out: 0.765+/-0.132 χ²/NDF:3467.2/24
Right Out: -5.029+/-0.487 χ²/NDF: 206.7/26
Left In: 0.102+/-0.133 χ²/NDF:2721.8/22
Left: 0.435+/-0.094 χ²/NDF: 6201.6/47
Right: -4.512+/-0.345 χ²/NDF: 513.3/48
In: -0.180+/-0.128 χ²/NDF:3091.4/44
Out: 0.368+/-0.128 χ²/NDF:3805.5/51
All: 0.095+/-0.090 χ²/NDF: 6906.1/96


reg_asym_sam3_diff_bpm4eX_slope vs Slug, Sign Corrected
20
0
−20
−40
−60
−80
−100
−120
100
120
140
160
180
200
Right In: -90.605+/-0.492 χ²/NDF: 1071.7/21
Left Out: -47.167+/-0.168 χ²/NDF:17658.5/24
Right Out: -91.571+/-0.460 χ²/NDF: 2126.3/26
Left In: -46.058+/-0.170 χ²/NDF:14769.8/22
Left: -46.621+/-0.119 χ²/NDF: 32449.9/47
Right: -91.120+/-0.336 χ²/NDF: 3200.1/48
In: -50.823+/-0.161 χ²/NDF:23172.8/44
Out: -52.366+/-0.157 χ²/NDF:28008.2/51
All: -51.611+/-0.112 χ²/NDF: 51228.0/96


reg_asym_sam3_diff_bpm4eY_slope vs Slug, Sign Corrected
60
50
40
30
20
10
0
−10
−20
−30
100
120
140
160
180
200
Right In: 27.071+/-0.552 χ²/NDF: 653.3/21
Left Out: 22.782+/-0.147 χ²/NDF:2412.9/24
Right Out: 25.494+/-0.562 χ²/NDF: 432.4/26
Left In: 23.366+/-0.149 χ²/NDF:1785.4/22
Left: 23.071+/-0.105 χ²/NDF: 4206.1/47
Right: 26.297+/-0.394 χ²/NDF: 1089.7/48
In: 23.617+/-0.144 χ²/NDF:2480.7/44
Out: 22.956+/-0.143 χ²/NDF:2867.1/51
All: 23.284+/-0.101 χ²/NDF: 5358.4/96



Right In: -0.413+/-0.029 χ^2/NDF: 723.6/21

Left Out: 0.186+/-0.007 χ^2/NDF:645.7/24

Right Out: -0.542+/-0.030 χ^2/NDF: 1304.9/26

Left In: 0.193+/-0.007 χ^2/NDF:938.2/22

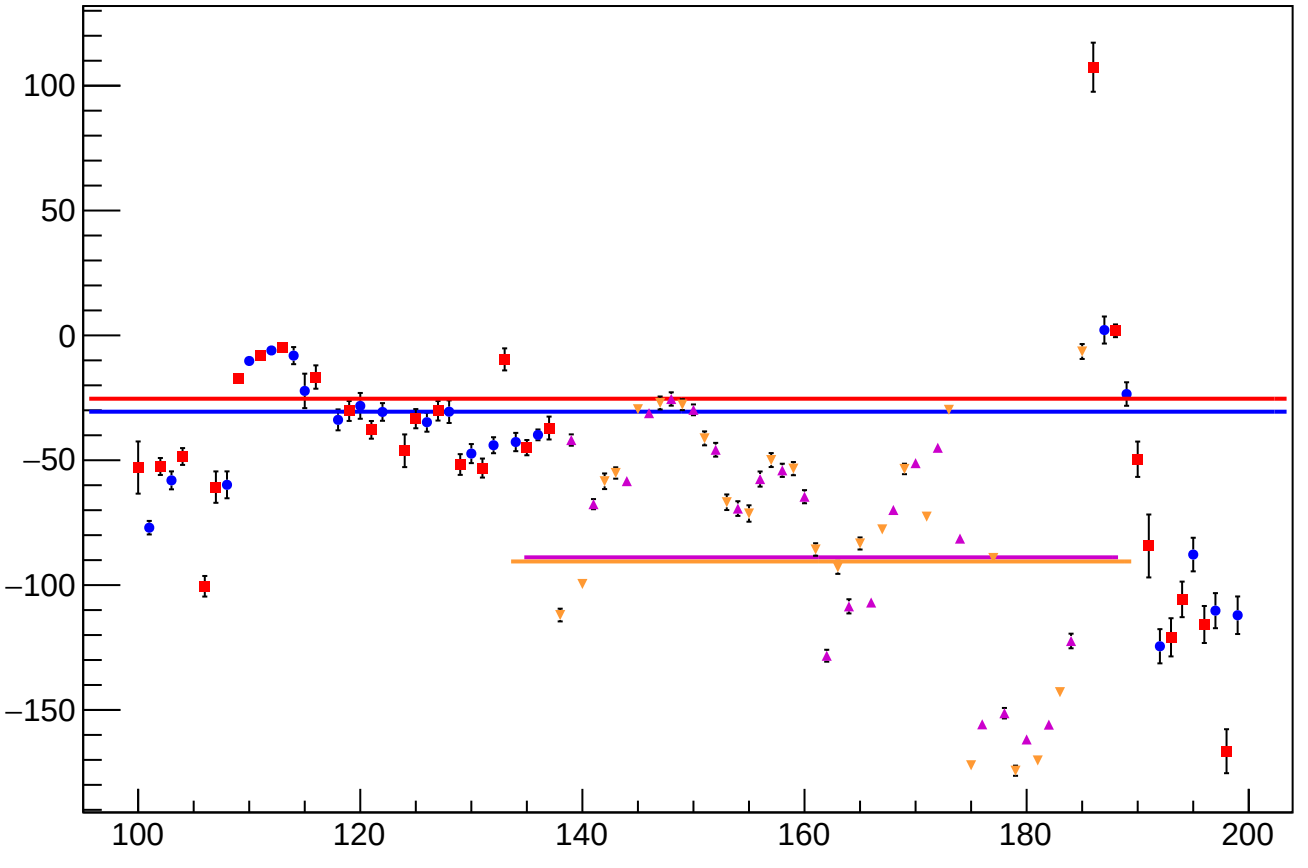
Left: 0.190+/-0.005 χ^2/NDF: 1584.4/47

Right: -0.474+/-0.021 χ^2/NDF: 2038.3/48

In: 0.162+/-0.007 χ^2/NDF:2086.5/44

Out: 0.153+/-0.006 χ^2/NDF:2515.6/51

All: 0.157+/-0.005 χ^2/NDF: 4603.1/96



Right In: -30.556+/-0.699 χ^2/NDF: 1452.6/21

Left Out: -90.534+/-0.421 χ^2/NDF:15358.6/24

Right Out: -25.358+/-0.628 χ^2/NDF: 2010.2/26

Left In: -88.888+/-0.435 χ^2/NDF:11815.7/22

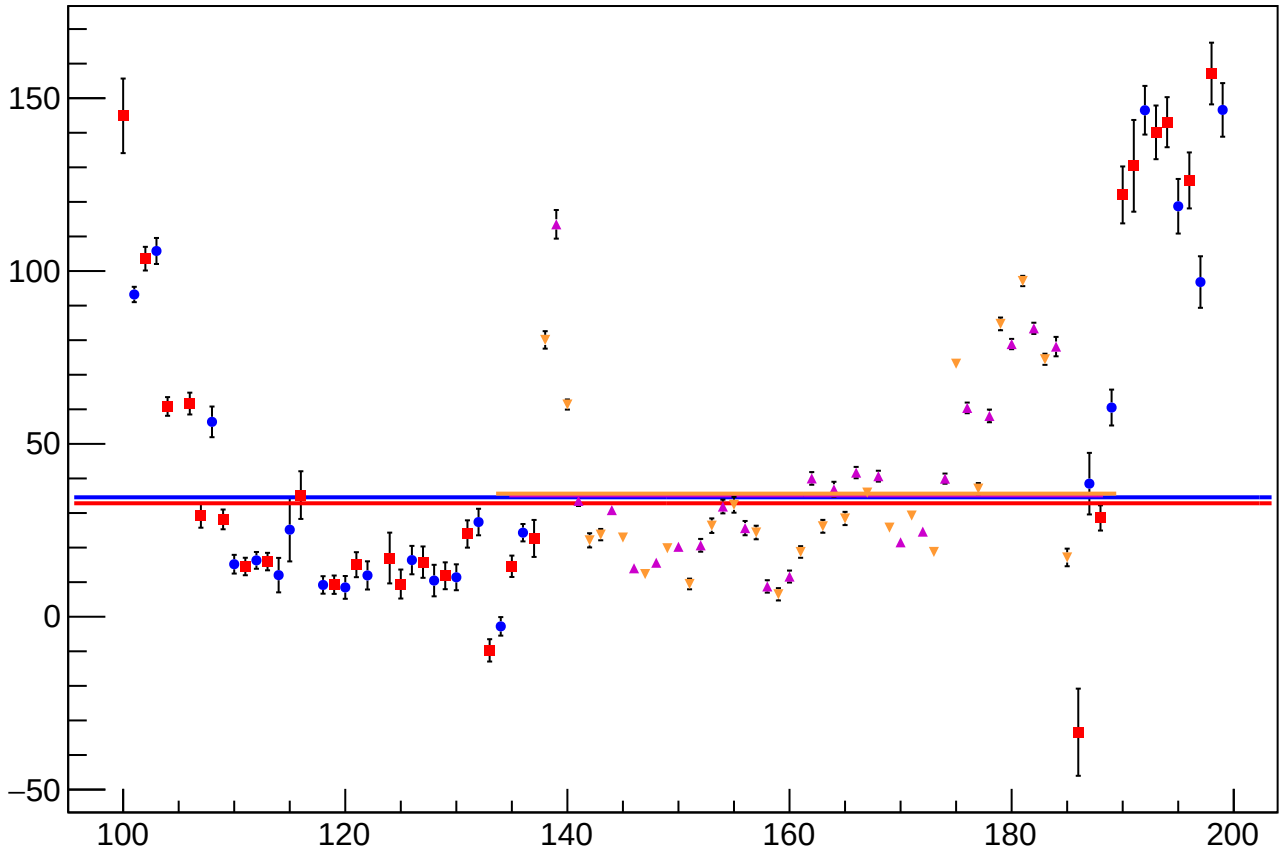
Left: -89.736+/-0.302 χ^2/NDF: 27181.7/47

Right: -27.682+/-0.467 χ^2/NDF: 3493.5/48

In: -72.614+/-0.369 χ^2/NDF:18296.6/44

Out: -70.315+/-0.350 χ^2/NDF:24793.8/51

All: -71.403+/-0.254 χ^2/NDF: 43110.9/96



Right In: 34.549+/-0.777 χ^2/NDF: 2373.7/21

Left Out: 35.612+/-0.326 χ^2/NDF:5973.0/24

Right Out: 32.818+/-0.758 χ^2/NDF: 2175.9/26

Left In: 35.112+/-0.336 χ^2/NDF:4144.4/22

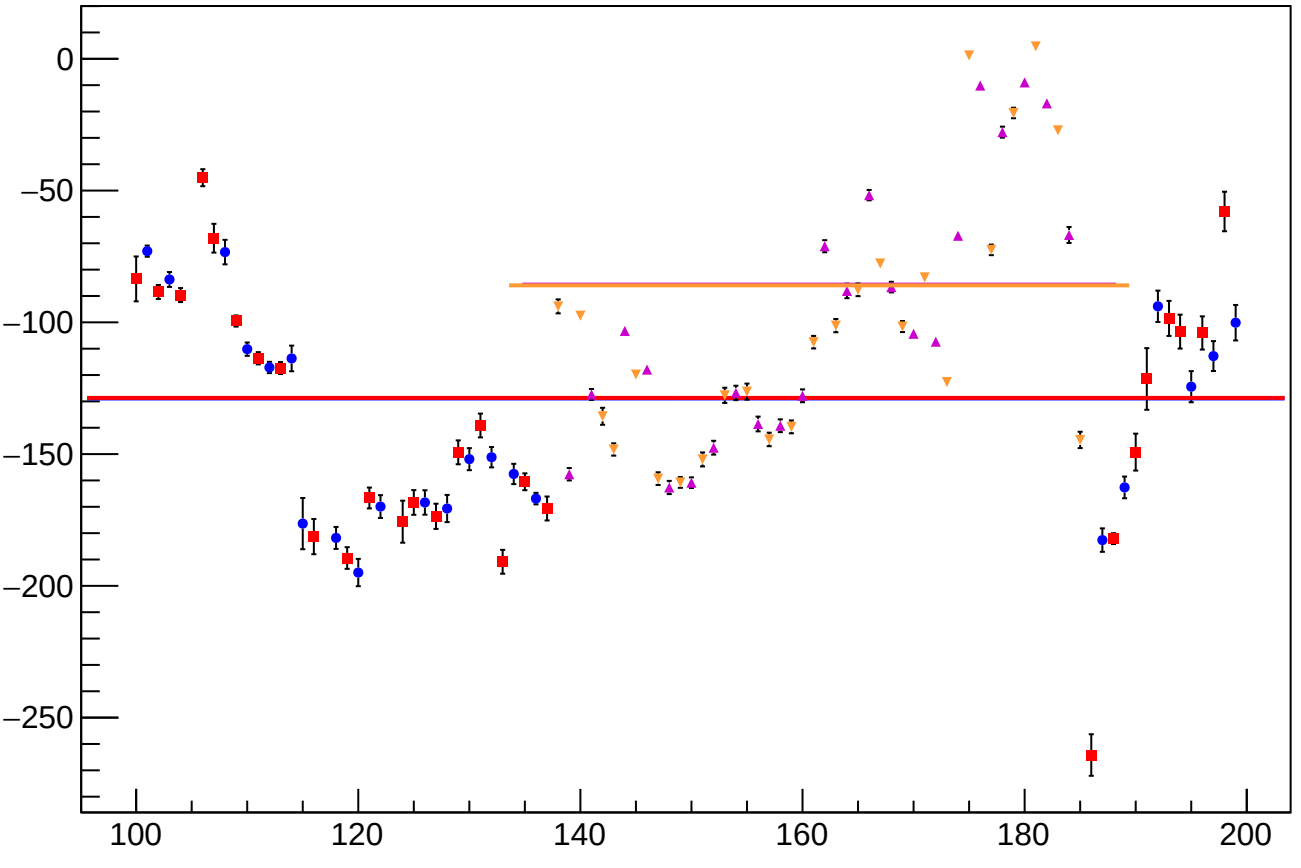
Left: 35.370+/-0.234 χ^2/NDF: 10118.6/47

Right: 33.662+/-0.543 χ^2/NDF: 4552.1/48

In: 35.023+/-0.309 χ^2/NDF:6518.5/44

Out: 35.176+/-0.299 χ^2/NDF:8160.3/51

All: 35.102+/-0.215 χ^2/NDF: 14679.0/96



Right In: -128.881+/-0.773 χ^2/NDF: 2456.7/21

Left Out: -85.969+/-0.421 χ^2/NDF:16232.5/24

Right Out: -128.679+/-0.718 χ^2/NDF: 3602.8/26

Left In: -85.705+/-0.432 χ^2/NDF:13758.7/22

Left: -85.841+/-0.302 χ^2/NDF: 29991.4/47

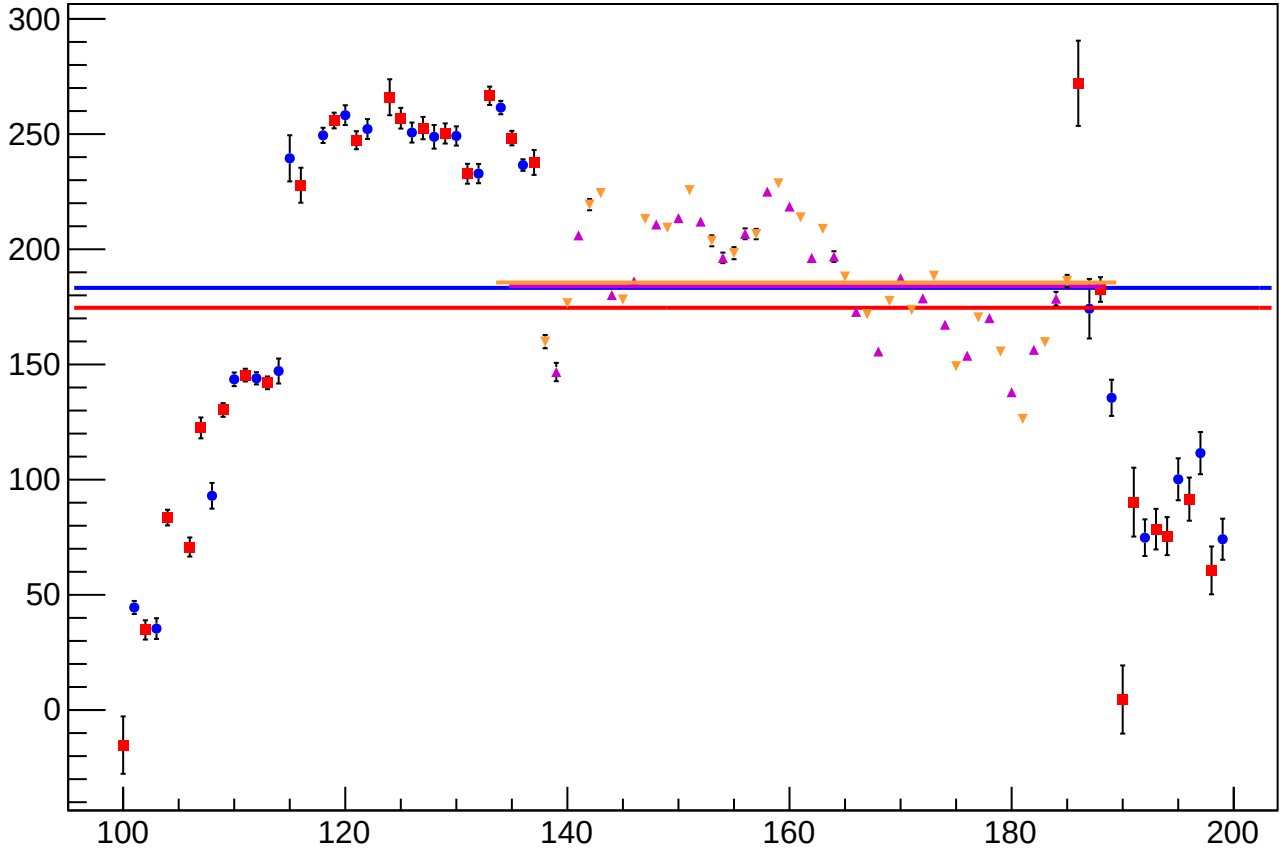
Right: -128.773+/-0.526 χ^2/NDF: 6059.5/48

In: -95.997+/-0.377 χ^2/NDF:18591.1/44

Out: -96.890+/-0.363 χ^2/NDF:22469.5/51

All: -96.461+/-0.262 χ^2/NDF: 41063.5/96

reg_asym_sam4_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 183.249+/-0.891 χ^2/NDF: 7663.5/21

Left Out: 185.583+/-0.367 χ^2/NDF:5354.7/24

Right Out: 174.607+/-0.874 χ^2/NDF: 7348.3/26

Left In: 183.940+/-0.378 χ^2/NDF:3873.5/22

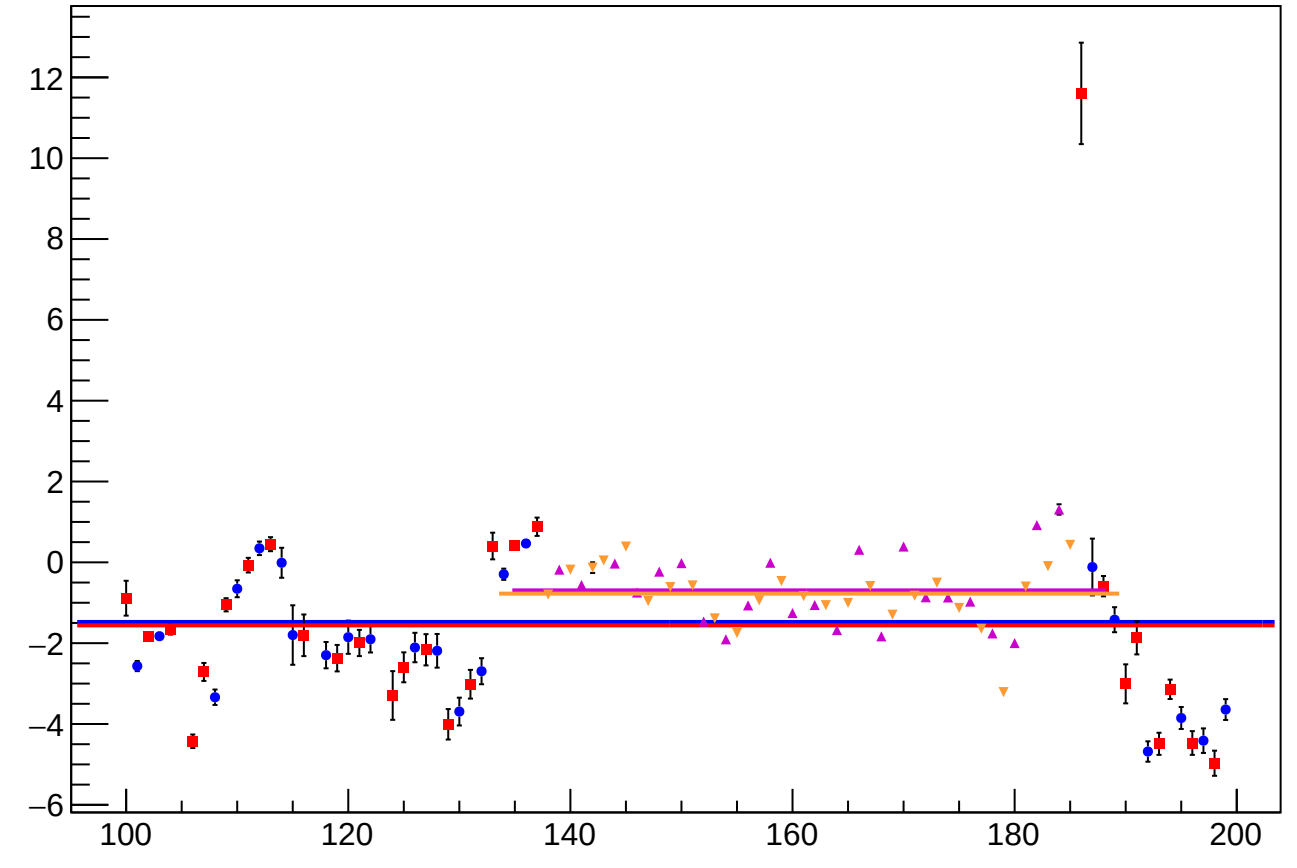
Left: 184.786+/-0.263 χ^2/NDF: 9238.0/47

Right: 178.849+/-0.624 χ^2/NDF: 15059.7/48

In: 183.835+/-0.348 χ^2/NDF:11537.5/44

Out: 183.941+/-0.338 χ^2/NDF:12837.0/51

All: 183.889+/-0.242 χ^2/NDF: 24374.6/96



Right In: -1.475+/-0.045 χ^2/NDF: 1240.7/21

Left Out: -0.774+/-0.016 χ^2/NDF:1822.9/24

Right Out: -1.560+/-0.044 χ^2/NDF: 1541.8/26

Left In: -0.694+/-0.017 χ^2/NDF:2565.3/22

Left: -0.735+/-0.012 χ^2/NDF: 4399.9/47

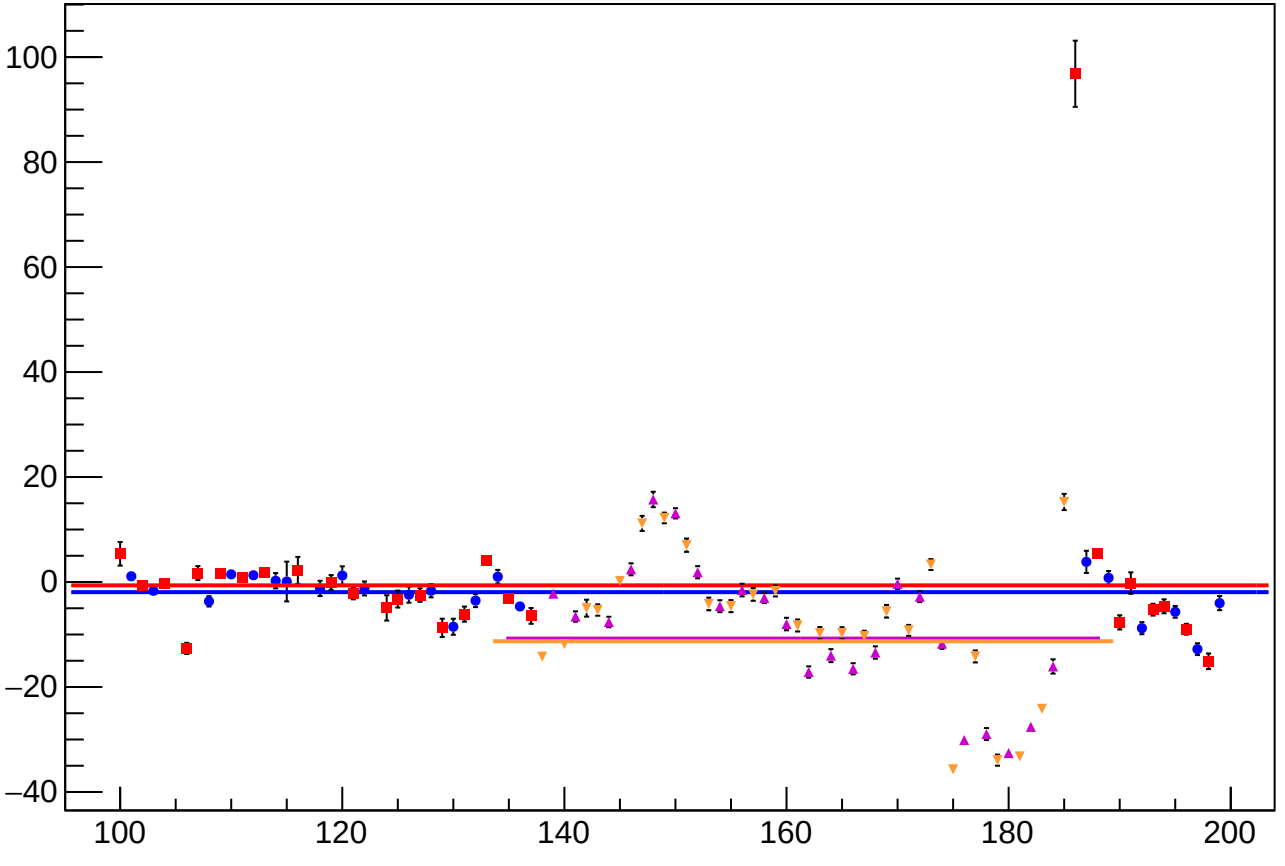
Right: -1.518+/-0.031 χ^2/NDF: 2784.4/48

In: -0.790+/-0.016 χ^2/NDF:4074.3/44

Out: -0.871+/-0.015 χ^2/NDF:3648.1/51

All: -0.832+/-0.011 χ^2/NDF: 7736.0/96

reg_asym_sam5_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -1.931+/-0.228 χ^2/NDF: 272.5/21

Left Out: -11.283+/-0.208 χ^2/NDF:4500.3/24

Right Out: -0.638+/-0.195 χ^2/NDF: 833.2/26

Left In: -10.776+/-0.213 χ^2/NDF:3699.2/22

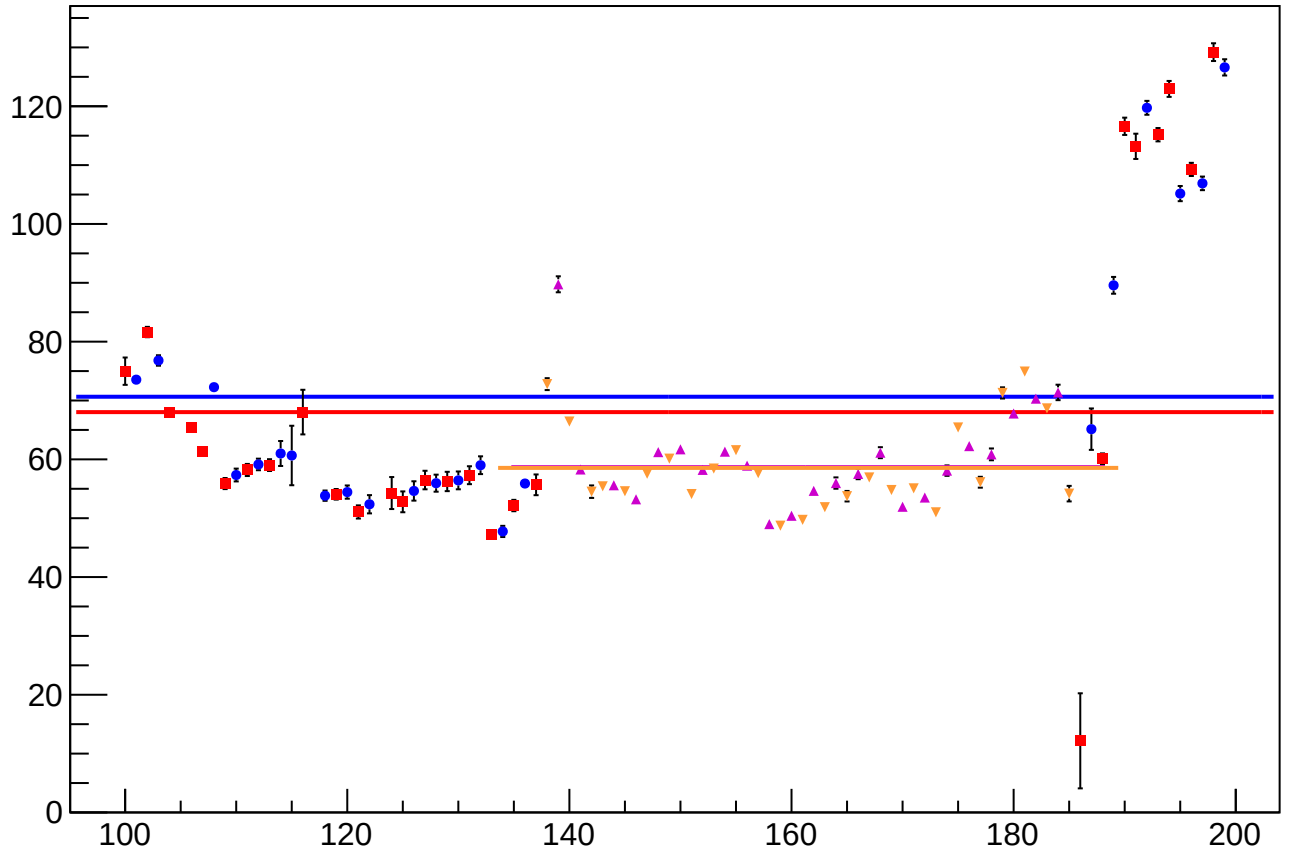
Left: -11.036+/-0.149 χ^2/NDF: 8202.4/47

Right: -1.187+/-0.148 χ^2/NDF: 1124.2/48

In: -6.637+/-0.156 χ^2/NDF:4775.8/44

Out: -5.631+/-0.142 χ^2/NDF:6724.6/51

All: -6.090+/-0.105 χ^2/NDF: 11523.1/96



Right In: 70.641+/-0.240 χ^2/NDF: 7591.3/21

Left Out: 58.550+/-0.161 χ^2/NDF:1902.5/24

Right Out: 68.027+/-0.217 χ^2/NDF: 10746.4/26

Left In: 58.679+/-0.168 χ^2/NDF:1613.4/22

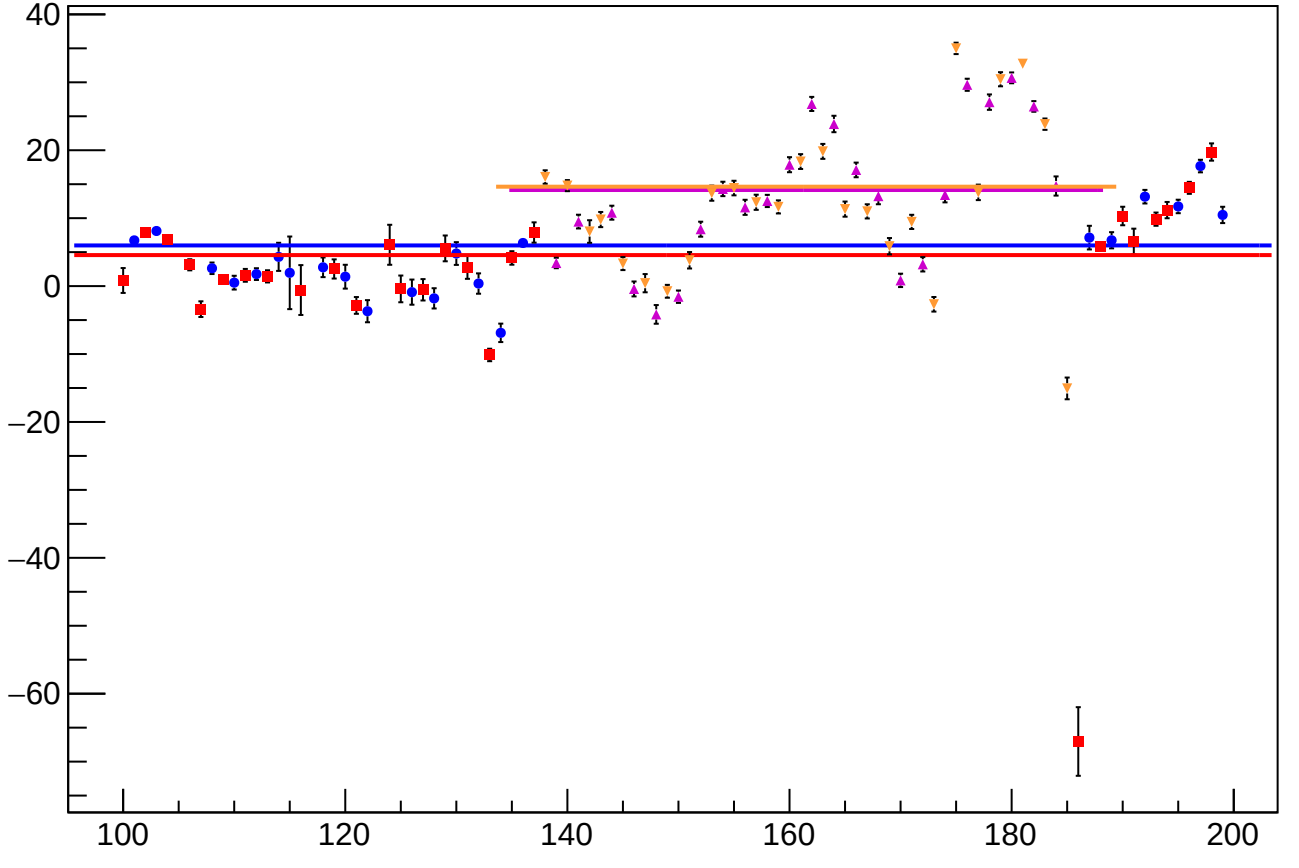
Left: 58.612+/-0.116 χ^2/NDF: 3516.3/47

Right: 69.203+/-0.161 χ^2/NDF: 18402.9/48

In: 62.625+/-0.138 χ^2/NDF:10869.6/44

Out: 61.918+/-0.129 χ^2/NDF:13878.0/51

All: 62.249+/-0.094 χ^2/NDF: 24761.5/96



Right In: 5.986+/-0.229 χ^2/NDF: 533.9/21

Left Out: 14.634+/-0.207 χ^2/NDF:2962.1/24

Right Out: 4.565+/-0.200 χ^2/NDF: 1013.9/26

Left In: 14.146+/-0.211 χ^2/NDF:2541.2/22

Left: 14.395+/-0.148 χ^2/NDF: 5506.0/47

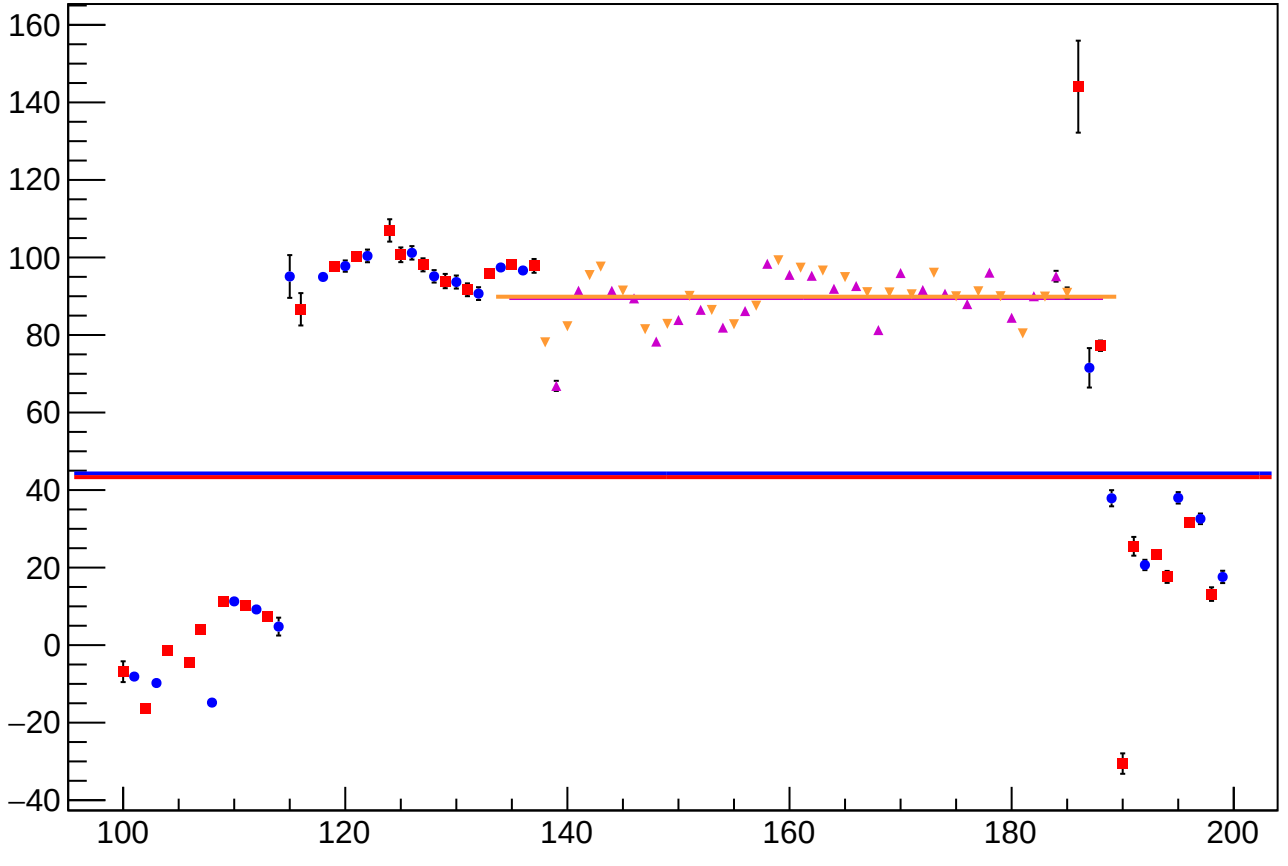
Right: 5.182+/-0.151 χ^2/NDF: 1569.6/48

In: 10.389+/-0.155 χ^2/NDF:3762.0/44

Out: 9.439+/-0.144 χ^2/NDF:5200.4/51

All: 9.878+/-0.105 χ^2/NDF: 8982.6/96

reg_asym_sam5_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 44.276+/-0.280 χ^2/NDF: 27716.8/21

Left Out: 89.875+/-0.181 χ^2/NDF:1065.4/24

Right Out: 43.329+/-0.257 χ^2/NDF: 31434.5/26

Left In: 89.541+/-0.188 χ^2/NDF:1095.3/22

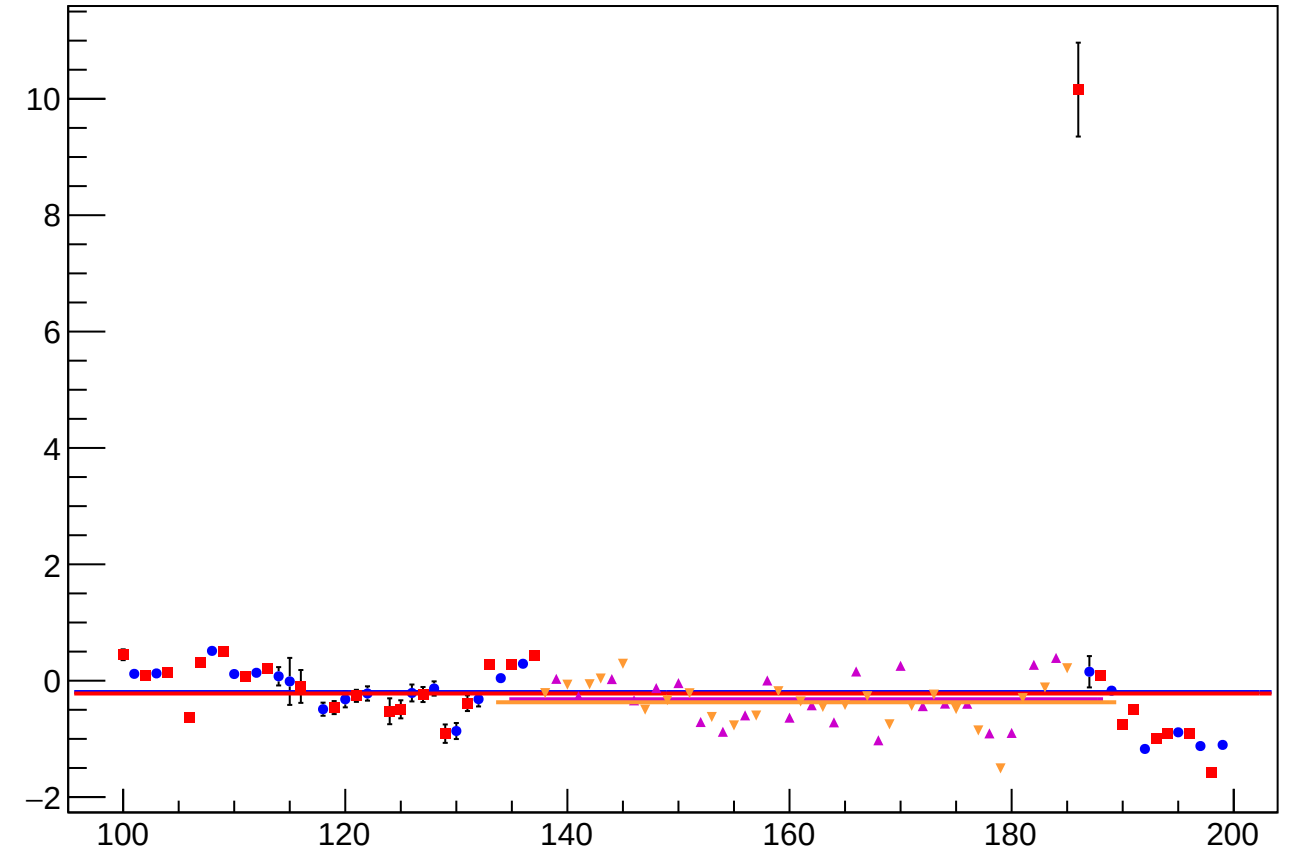
Left: 89.714+/-0.130 χ^2/NDF: 2162.3/47

Right: 43.761+/-0.189 χ^2/NDF: 59157.4/48

In: 75.522+/-0.156 χ^2/NDF:46856.6/44

Out: 74.407+/-0.148 χ^2/NDF:54470.3/51

All: 74.935+/-0.107 χ^2/NDF: 101353.9/96



Right In: -0.195+/-0.012 χ^2/NDF: 2585.3/21

Left Out: -0.371+/-0.008 χ^2/NDF:1769.5/24

Right Out: -0.220+/-0.011 χ^2/NDF: 2968.2/26

Left In: -0.319+/-0.008 χ^2/NDF:2441.1/22

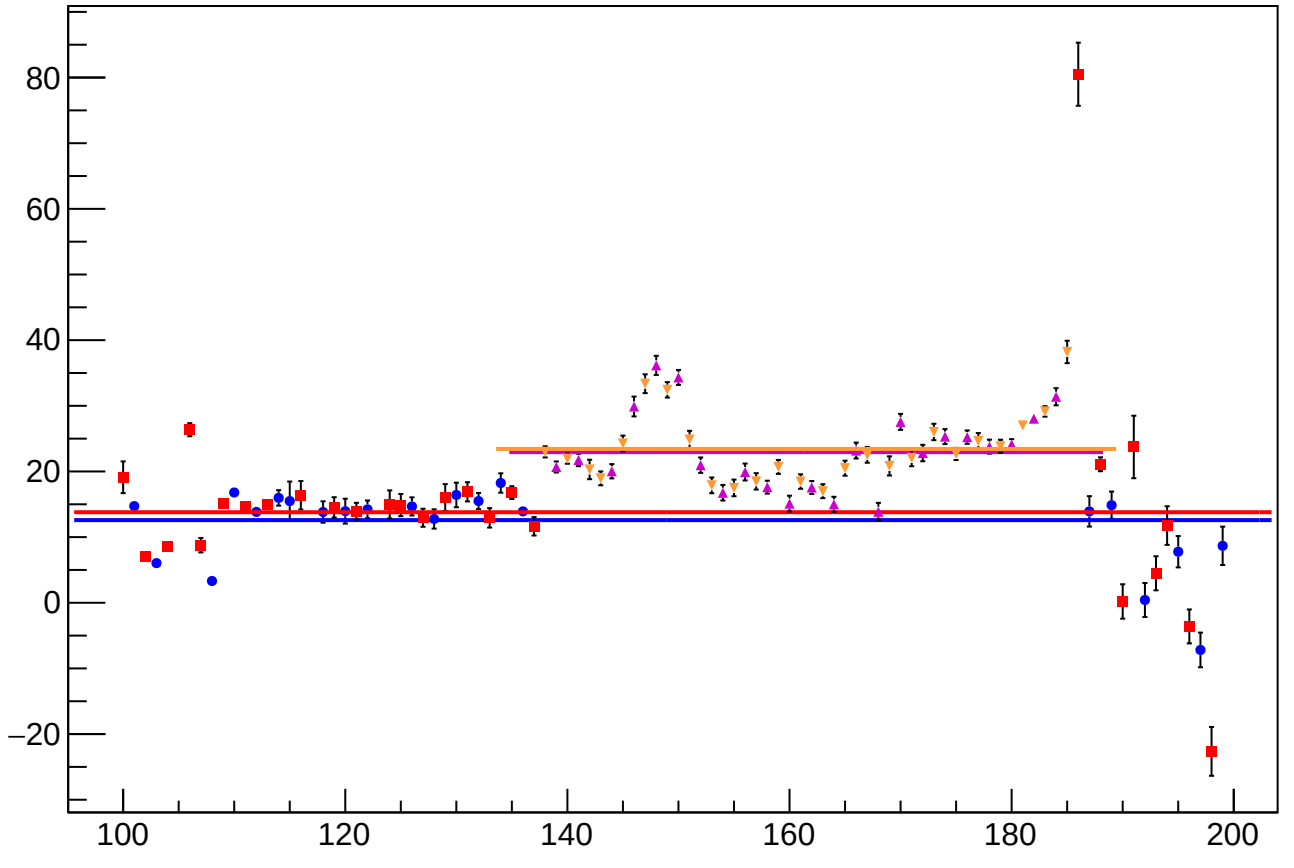
Left: -0.345+/-0.006 χ^2/NDF: 4230.8/47

Right: -0.208+/-0.008 χ^2/NDF: 5556.0/48

In: -0.279+/-0.007 χ^2/NDF:5102.9/44

Out: -0.318+/-0.006 χ^2/NDF:4859.7/51

All: -0.299+/-0.005 χ^2/NDF: 9980.5/96



Right In: 12.590+/-0.209 χ^2/NDF: 474.8/21

Left Out: 23.431+/-0.216 χ^2/NDF:427.8/24

Right Out: 13.792+/-0.198 χ^2/NDF: 830.1/26

Left In: 22.949+/-0.225 χ^2/NDF:565.2/22

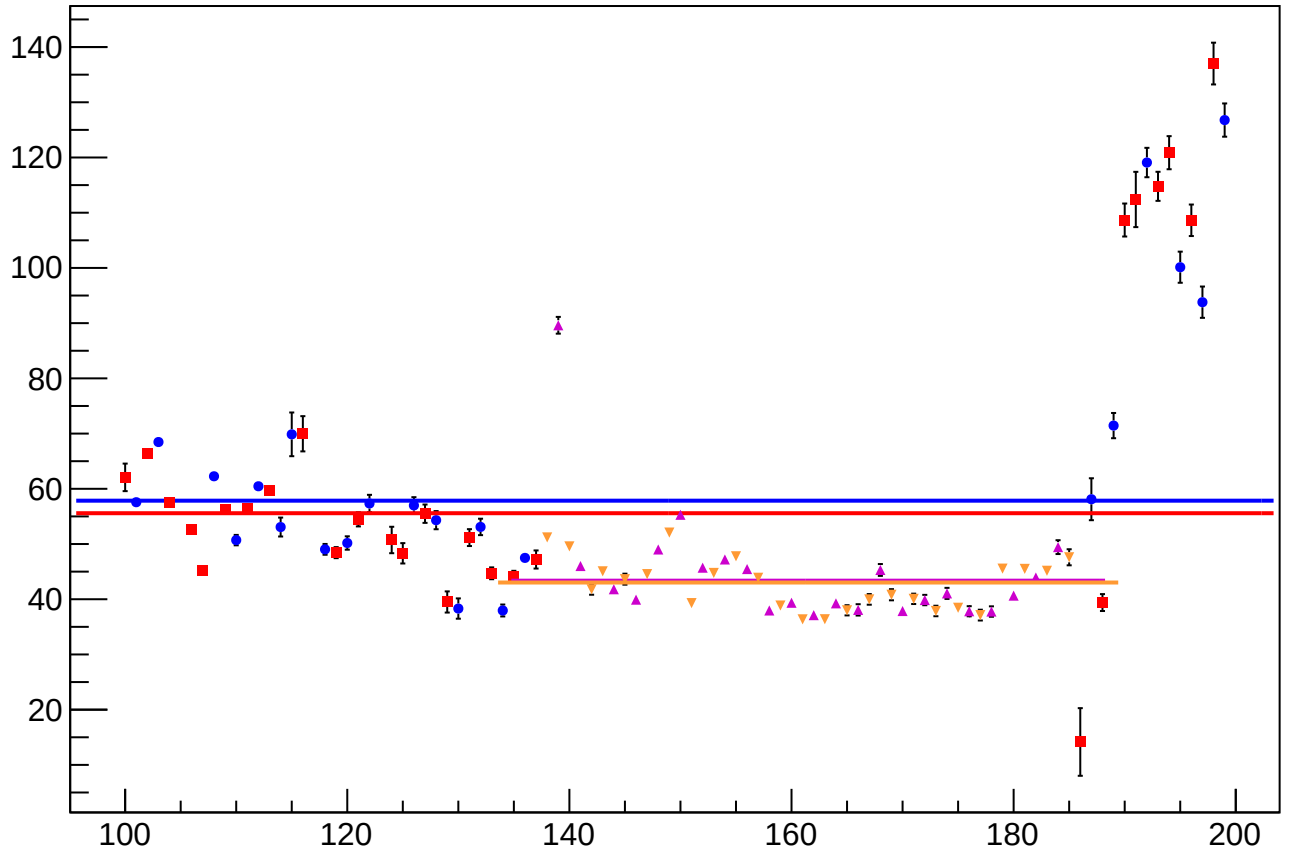
Left: 23.201+/-0.156 χ^2/NDF: 995.5/47

Right: 13.226+/-0.144 χ^2/NDF: 1322.3/48

In: 17.387+/-0.153 χ^2/NDF:2174.4/44

Out: 18.187+/-0.146 χ^2/NDF:2342.9/51

All: 17.807+/-0.106 χ^2/NDF: 4531.6/96



Right In: 57.849+/-0.218 χ^2/NDF: 2603.5/21

Left Out: 43.029+/-0.167 χ^2/NDF:780.7/24

Right Out: 55.580+/-0.219 χ^2/NDF: 3438.5/26

Left In: 43.361+/-0.177 χ^2/NDF:1683.3/22

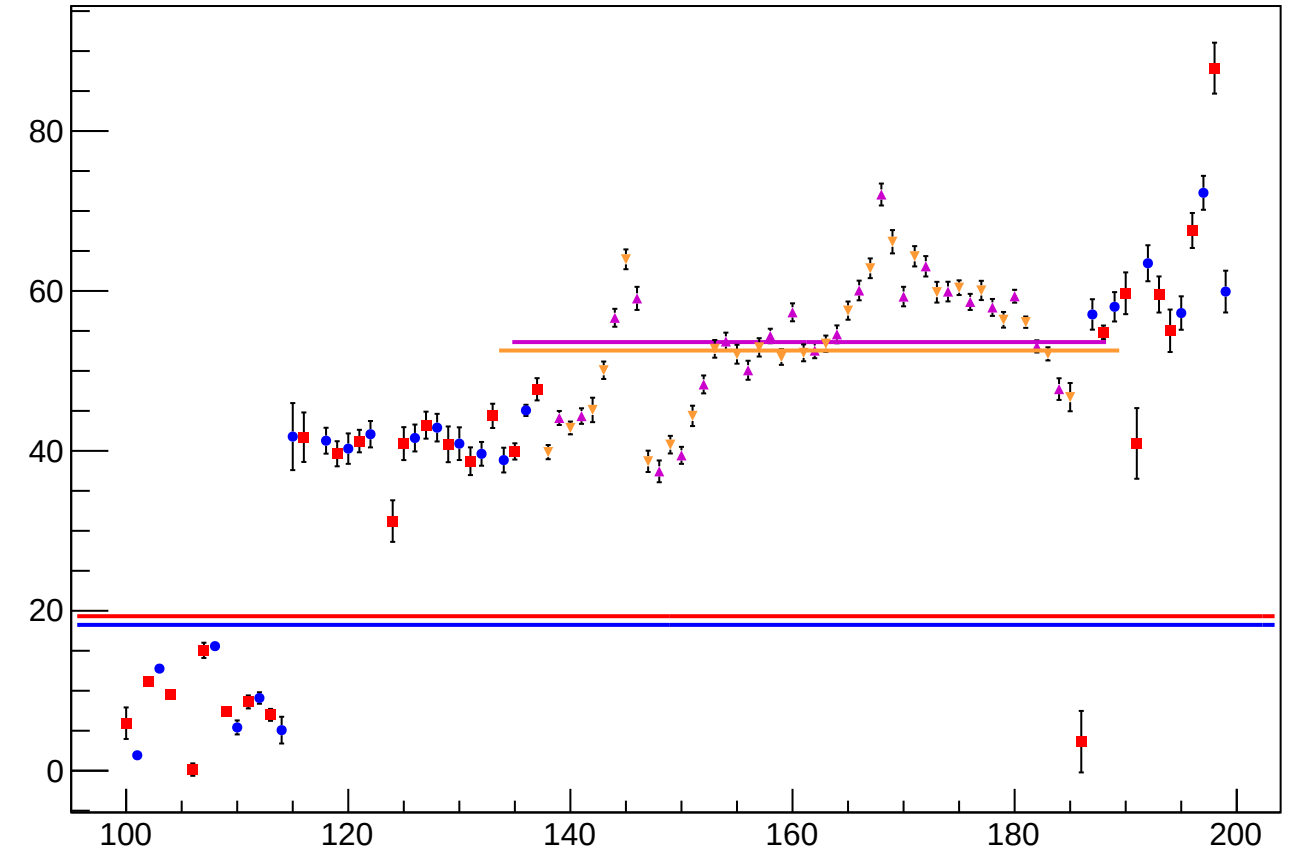
Left: 43.186+/-0.122 χ^2/NDF: 2465.8/47

Right: 56.720+/-0.154 χ^2/NDF: 6096.1/48

In: 49.127+/-0.137 χ^2/NDF:6951.4/44

Out: 47.659+/-0.133 χ^2/NDF:6295.7/51

All: 48.369+/-0.096 χ^2/NDF: 13306.0/96



Right In: 18.238+/-0.208 χ^2/NDF: 7871.7/21

Left Out: 52.550+/-0.215 χ^2/NDF:1186.2/24

Right Out: 19.323+/-0.208 χ^2/NDF: 7667.3/26

Left In: 53.605+/-0.223 χ^2/NDF:1015.9/22

Left: 53.057+/-0.155 χ^2/NDF: 2213.7/47

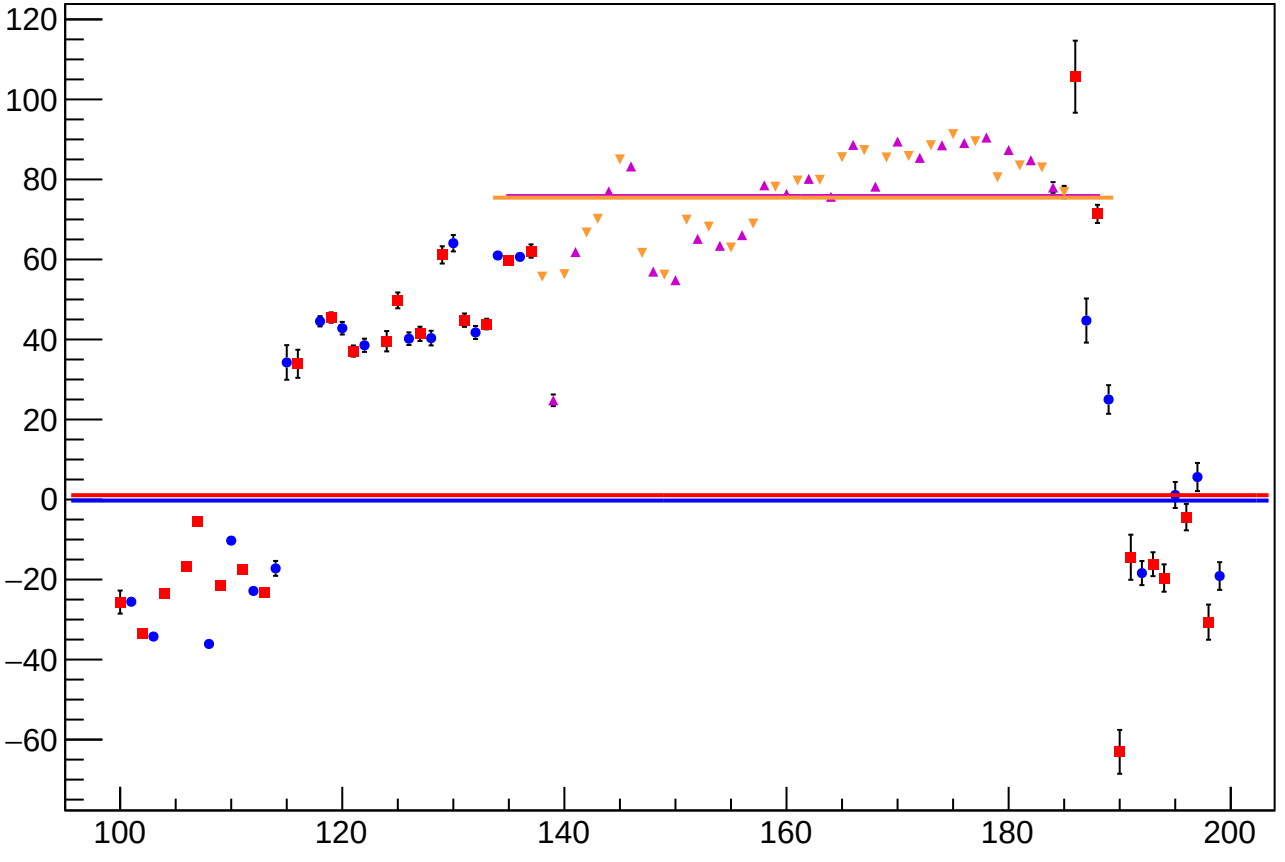
Right: 18.779+/-0.147 χ^2/NDF: 15552.6/48

In: 34.665+/-0.152 χ^2/NDF:22369.6/44

Out: 35.422+/-0.149 χ^2/NDF:21213.1/51

All: 35.050+/-0.107 χ^2/NDF: 43595.4/96

reg_asym_sam6_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.263+/-0.257 χ^2/NDF: 21216.3/21

Left Out: 75.448+/-0.188 χ^2/NDF:3469.1/24

Right Out: 1.081+/-0.258 χ^2/NDF: 17393.6/26

Left In: 75.844+/-0.197 χ^2/NDF:4265.6/22

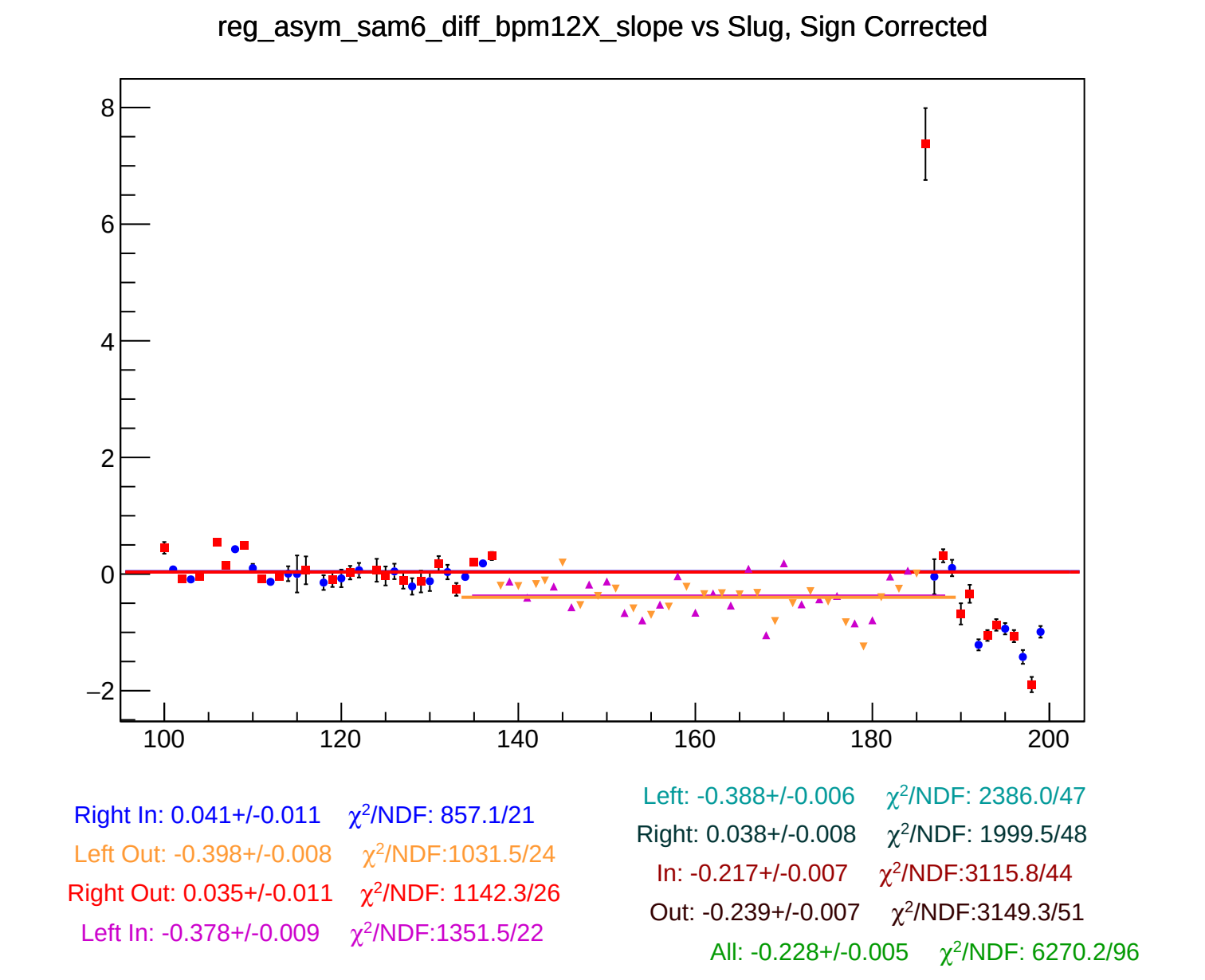
Left: 75.637+/-0.136 χ^2/NDF: 7736.7/47

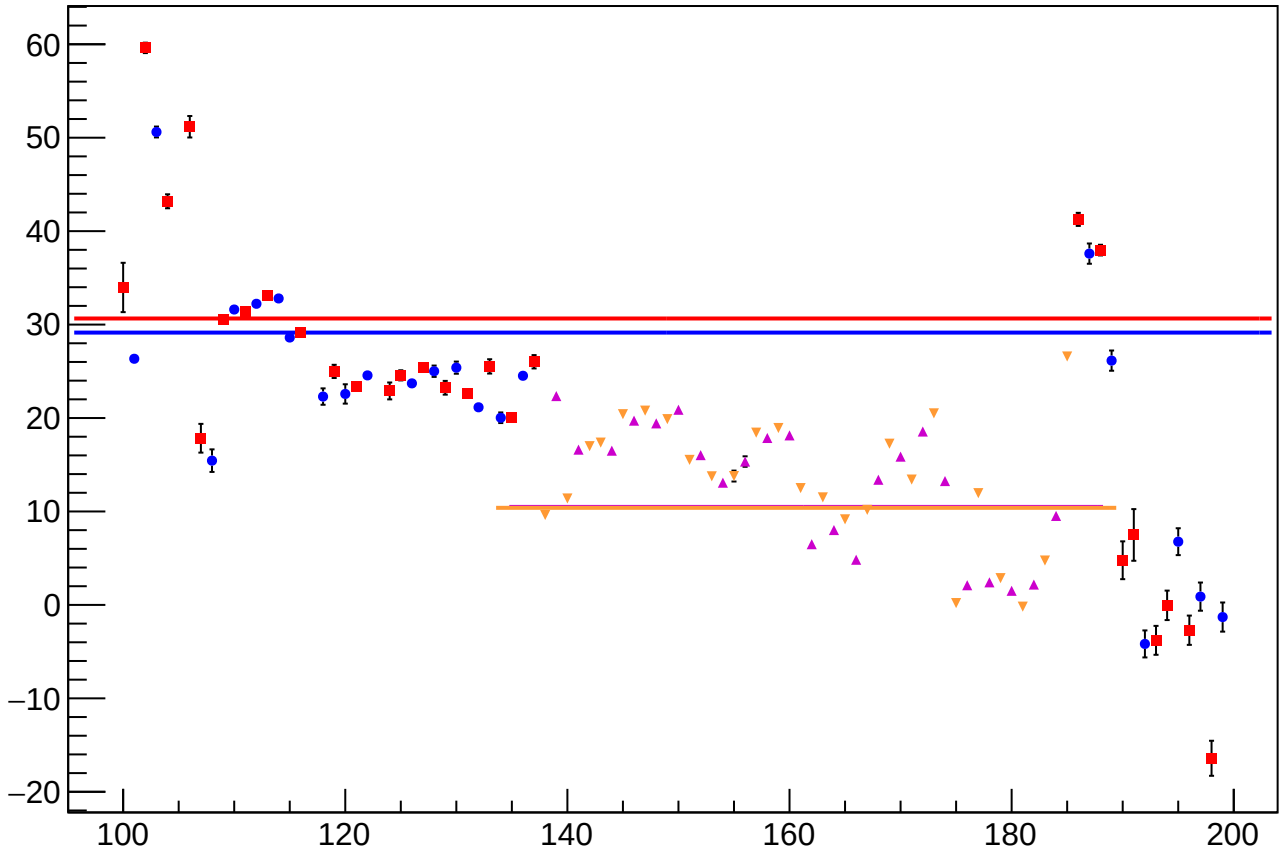
Right: 0.407+/-0.182 χ^2/NDF: 38623.5/48

In: 47.660+/-0.157 χ^2/NDF:80609.1/44

Out: 49.618+/-0.152 χ^2/NDF:75015.0/51

All: 48.666+/-0.109 χ^2/NDF: 155704.6/96


reg_asym_sam6_diff_bpm12X_slope vs Slug, Sign Corrected
8
6
4
2
0
−2
100
120
140
160
180
200
Right In: 0.041+/-0.011 χ²/NDF: 857.1/21
Left Out: -0.398+/-0.008 χ²/NDF:1031.5/24
Right Out: 0.035+/-0.011 χ²/NDF: 1142.3/26
Left In: -0.378+/-0.009 χ²/NDF:1351.5/22
Left: -0.388+/-0.006 χ²/NDF: 2386.0/47
Right: 0.038+/-0.008 χ²/NDF: 1999.5/48
In: -0.217+/-0.007 χ²/NDF:3115.8/44
Out: -0.239+/-0.007 χ²/NDF:3149.3/51
All: -0.228+/-0.005 χ²/NDF: 6270.2/96



Right In: 29.143+/-0.091 χ^2/NDF: 4965.3/21

Left Out: 10.390+/-0.064 χ^2/NDF:13792.8/24

Right Out: 30.652+/-0.078 χ^2/NDF: 7667.4/26

Left In: 10.488+/-0.067 χ^2/NDF:11498.1/22

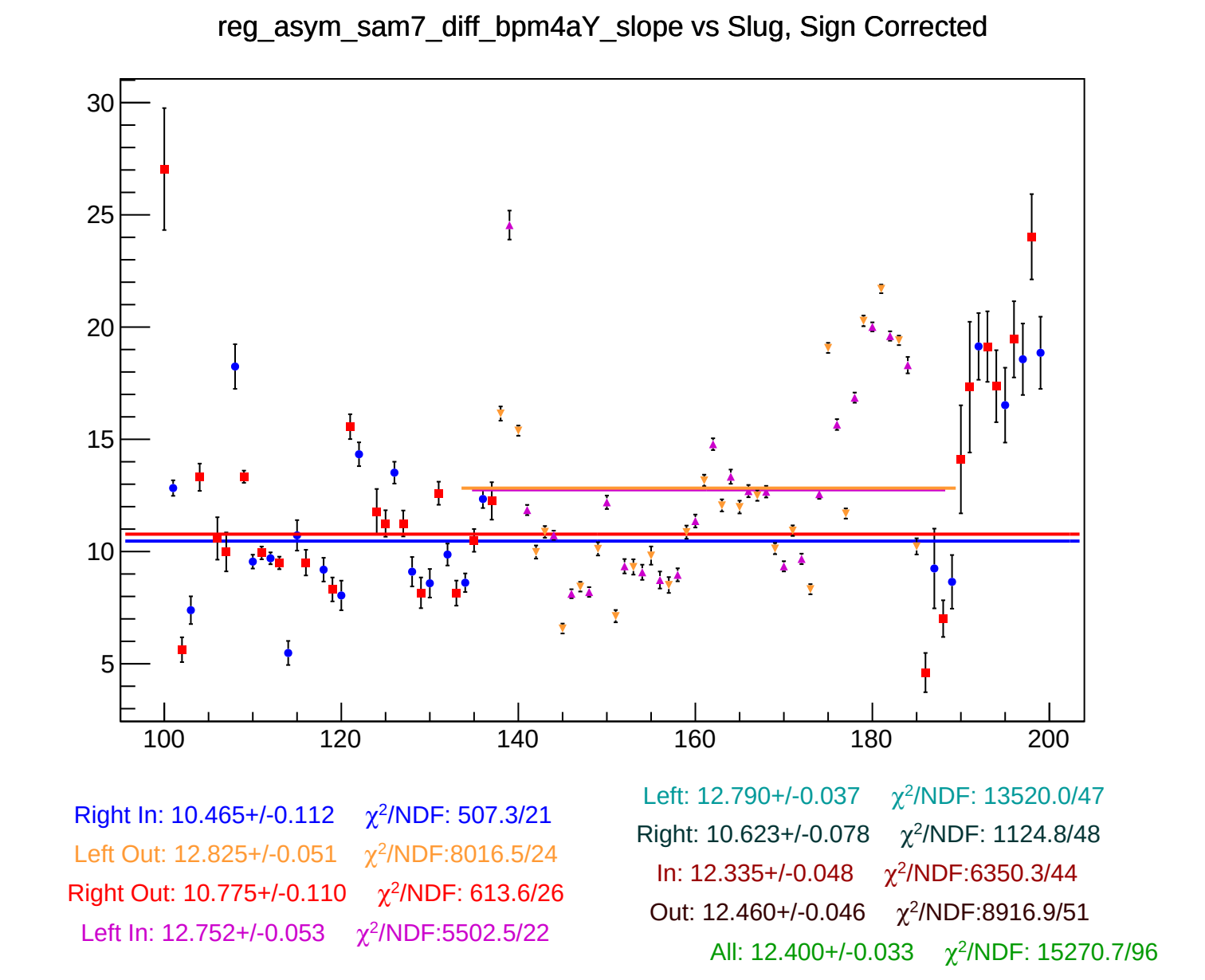
Left: 10.437+/-0.046 χ^2/NDF: 25292.1/47

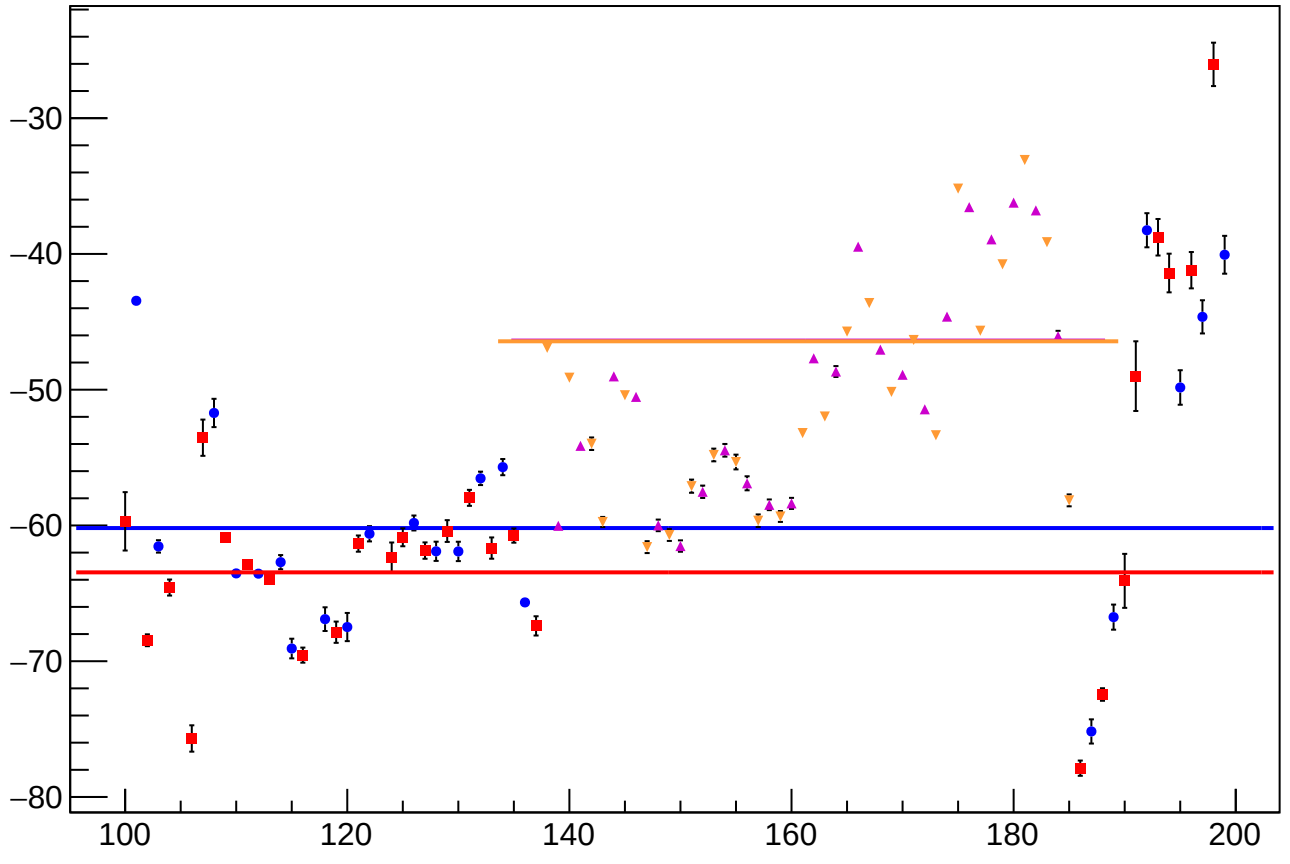
Right: 30.006+/-0.059 χ^2/NDF: 12791.2/48

In: 17.054+/-0.054 χ^2/NDF:43928.4/44

Out: 18.511+/-0.050 χ^2/NDF:61474.9/51

All: 17.841+/-0.036 χ^2/NDF: 105799.4/96


reg_asym_sam7_diff_bpm4aY_slope vs Slug, Sign Corrected
30
25
20
15
10
5
100
120
140
160
180
200
Right In: 10.465+/-0.112 χ2/NDF: 507.3/21
Left Out: 12.825+/-0.051 χ2/NDF:8016.5/24
Right Out: 10.775+/-0.110 χ2/NDF: 613.6/26
Left In: 12.752+/-0.053 χ2/NDF:5502.5/22
Left: 12.790+/-0.037 χ2/NDF: 13520.0/47
Right: 10.623+/-0.078 χ2/NDF: 1124.8/48
In: 12.335+/-0.048 χ2/NDF:6350.3/44
Out: 12.460+/-0.046 χ2/NDF:8916.9/51
All: 12.400+/-0.033 χ2/NDF: 15270.7/96



Right In: -60.192+/-0.110 χ^2/NDF: 4674.4/21

Left Out: -46.435+/-0.064 χ^2/NDF:18170.4/24

Right Out: -63.455+/-0.101 χ^2/NDF: 3328.7/26

Left In: -46.383+/-0.067 χ^2/NDF:15080.6/22

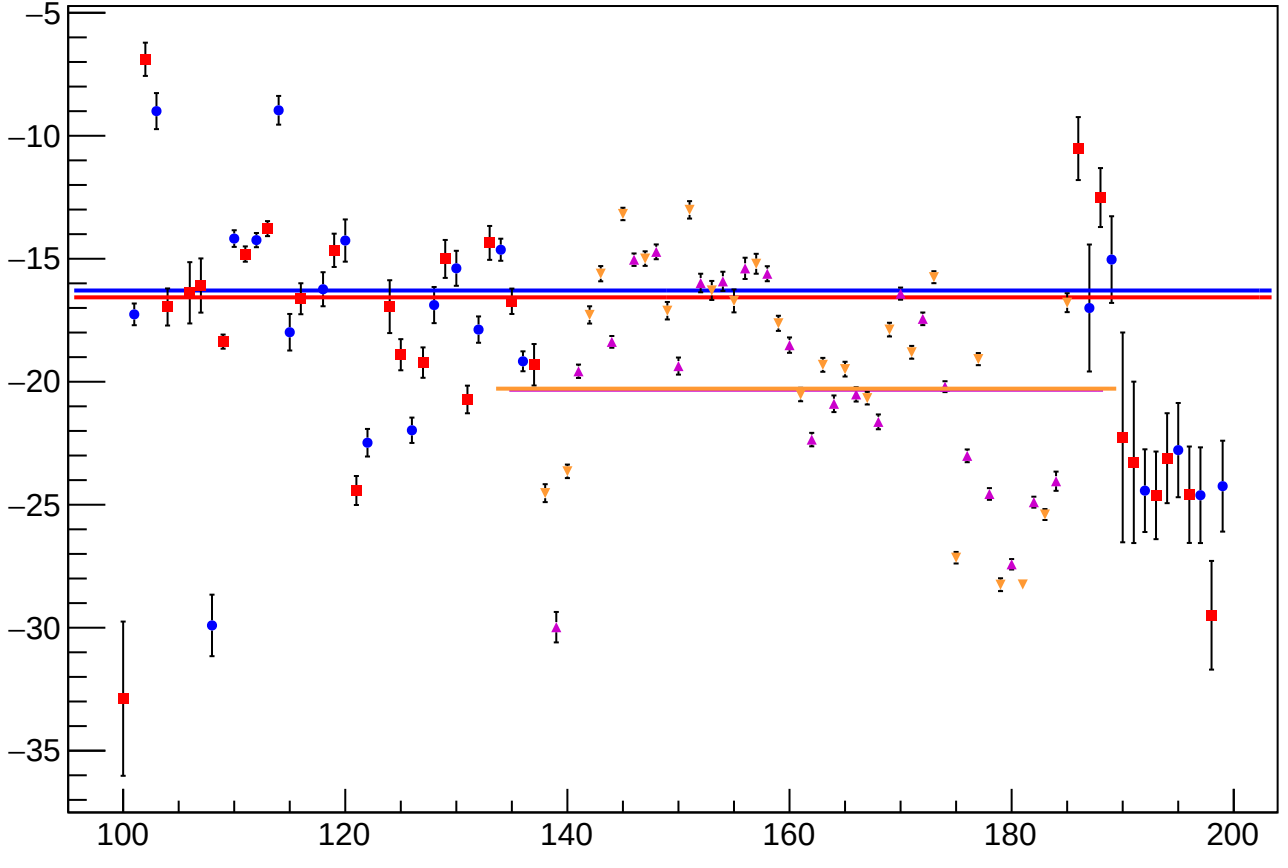
Left: -46.410+/-0.046 χ^2/NDF: 33251.4/47

Right: -61.950+/-0.074 χ^2/NDF: 8480.4/48

In: -50.121+/-0.057 χ^2/NDF:31321.9/44

Out: -51.327+/-0.054 χ^2/NDF:41560.4/51

All: -50.753+/-0.039 χ^2/NDF: 73116.6/96



Right In: -16.291+/-0.125 χ^2/NDF: 870.7/21

Left Out: -20.281+/-0.057 χ^2/NDF:7019.5/24

Right Out: -16.569+/-0.122 χ^2/NDF: 808.8/26

Left In: -20.324+/-0.059 χ^2/NDF:4272.7/22

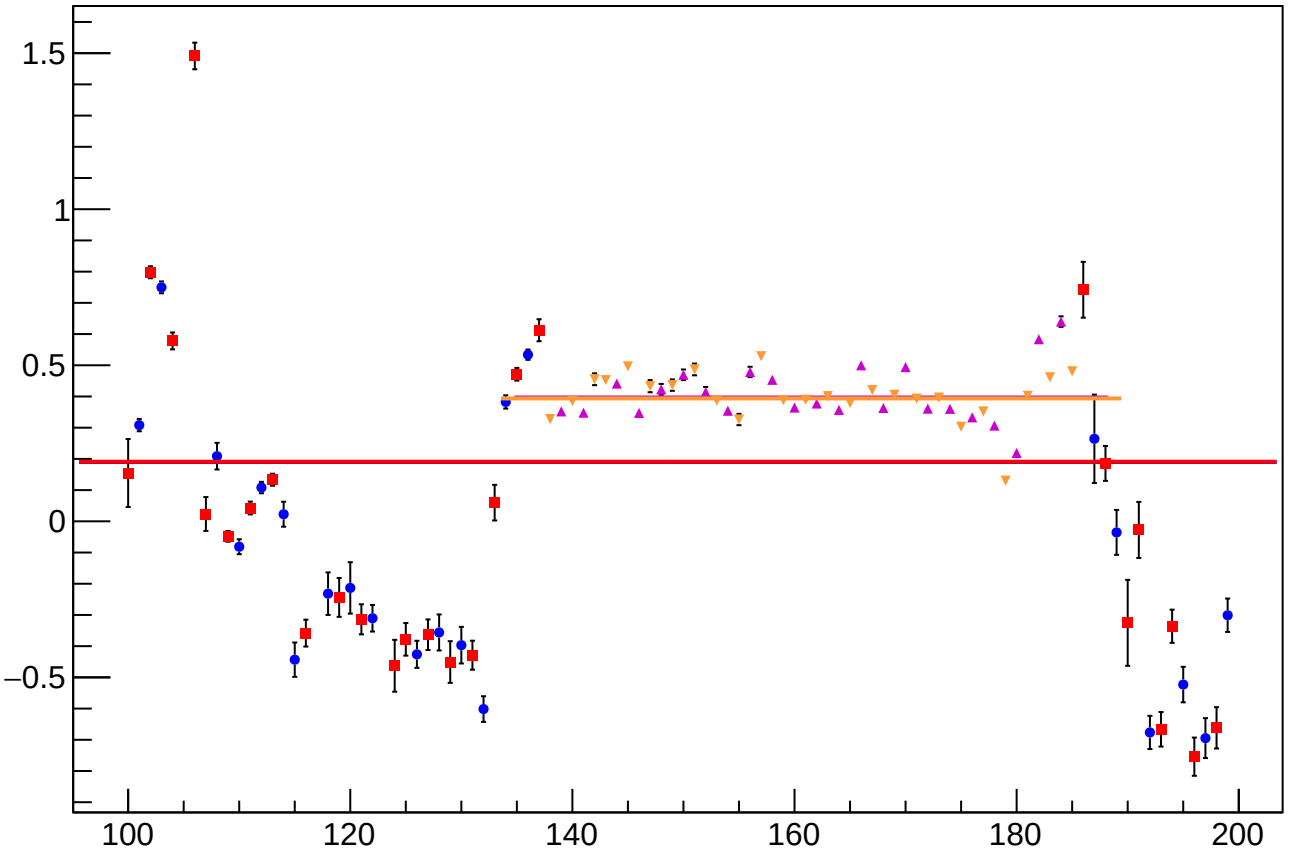
Left: -20.302+/-0.041 χ^2/NDF: 11292.4/47

Right: -16.433+/-0.088 χ^2/NDF: 1682.0/48

In: -19.593+/-0.053 χ^2/NDF:5989.0/44

Out: -19.617+/-0.052 χ^2/NDF:8585.5/51

All: -19.605+/-0.037 χ^2/NDF: 14574.6/96



Right In: 0.190+/-0.007 χ^2/NDF: 3386.6/21

Left Out: 0.394+/-0.003 χ^2/NDF:946.9/24

Right Out: 0.191+/-0.007 χ^2/NDF: 4436.0/26

Left In: 0.397+/-0.003 χ^2/NDF:1295.7/22

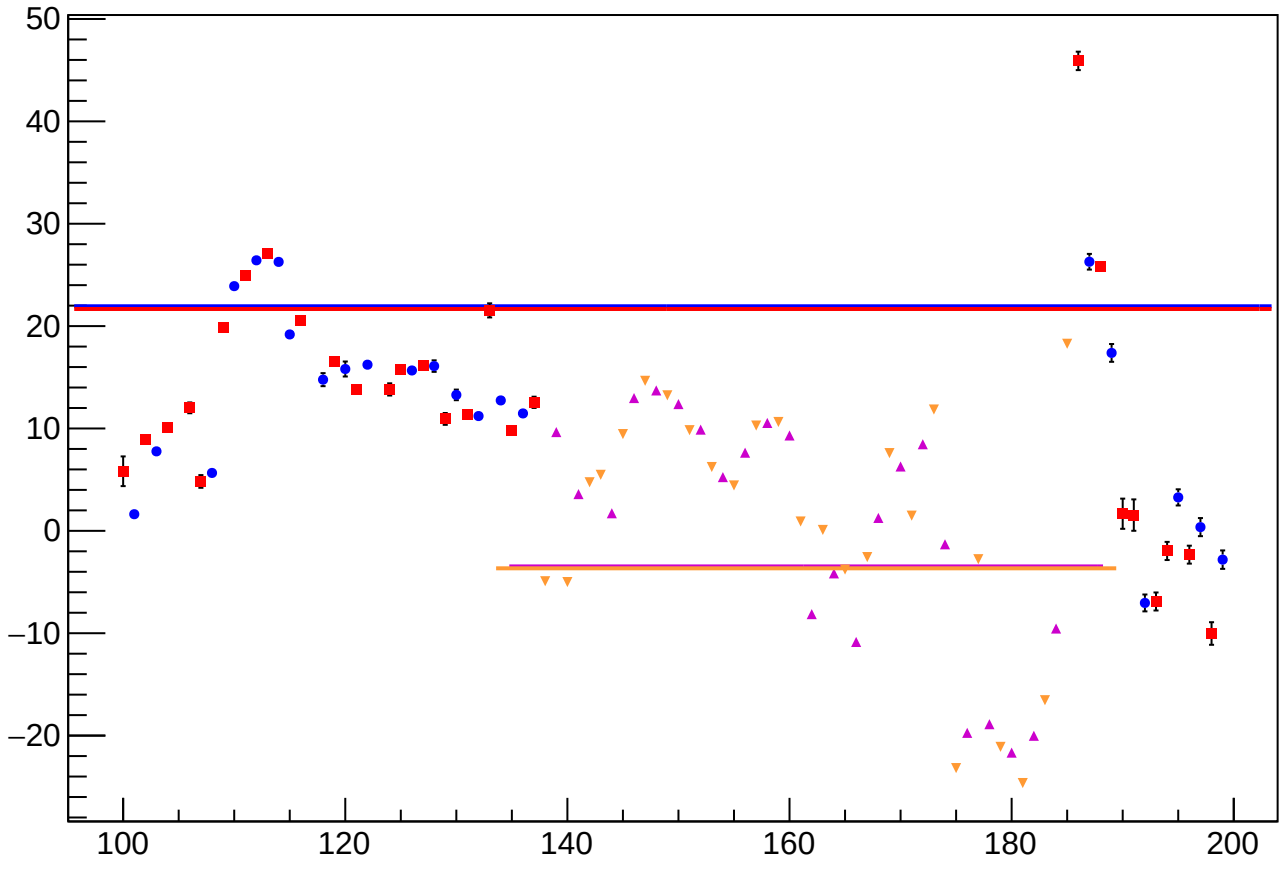
Left: 0.395+/-0.002 χ^2/NDF: 2243.2/47

Right: 0.191+/-0.005 χ^2/NDF: 7822.5/48

In: 0.370+/-0.002 χ^2/NDF:5482.2/44

Out: 0.369+/-0.002 χ^2/NDF:6164.0/51

All: 0.369+/-0.002 χ^2/NDF: 11646.4/96



Right In: 21.937+/-0.056 χ^2/NDF: 15595.8/21

Left Out: -3.660+/-0.055 χ^2/NDF:56739.4/24

Right Out: 21.672+/-0.046 χ^2/NDF: 15235.0/26

Left In: -3.475+/-0.057 χ^2/NDF:45103.9/22

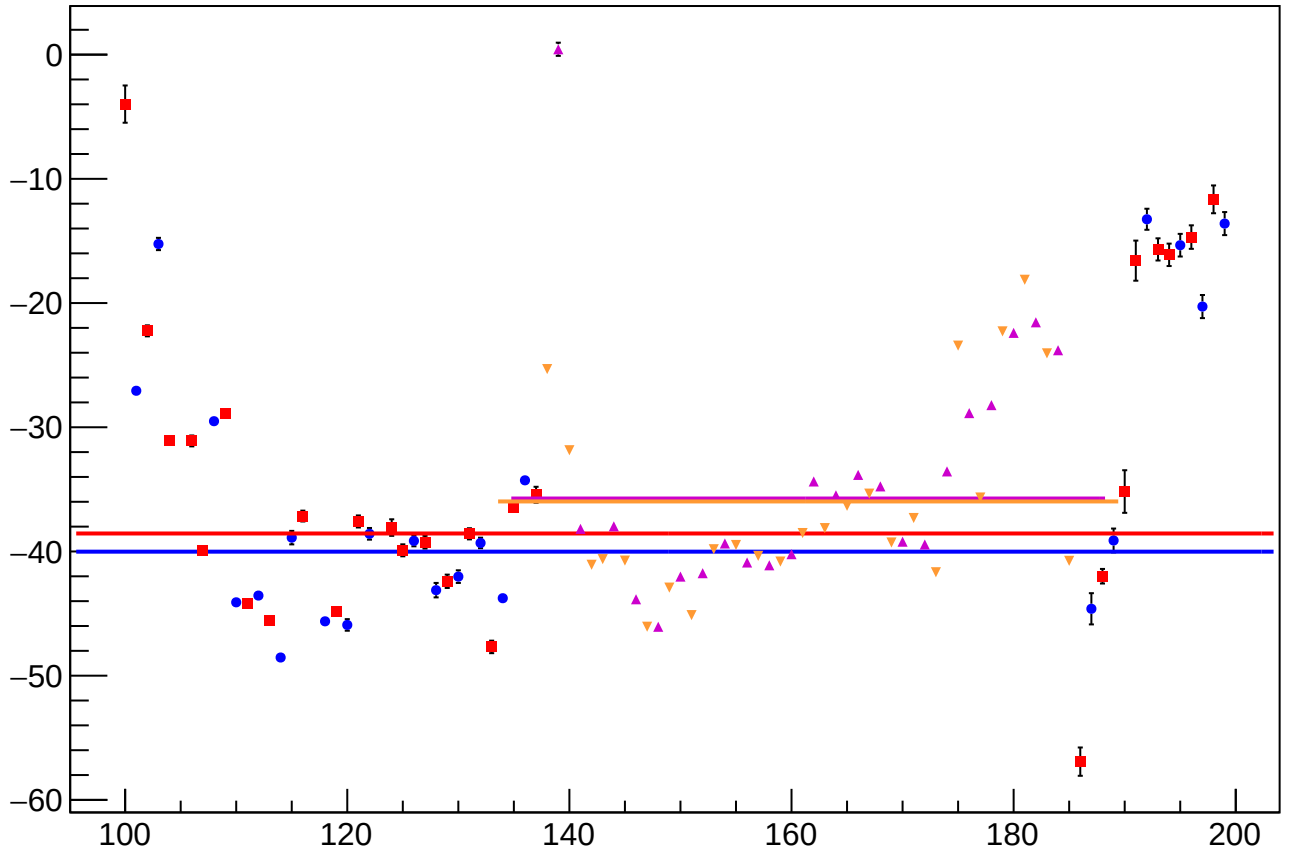
Left: -3.573+/-0.040 χ^2/NDF: 101848.8/47

Right: 21.778+/-0.035 χ^2/NDF: 30844.3/48

In: 9.595+/-0.040 χ^2/NDF:161455.5/44

Out: 11.230+/-0.035 χ^2/NDF:198798.3/51

All: 10.521+/-0.026 χ^2/NDF: 361200.2/96



Right In: -40.016+/-0.075 χ^2/NDF: 10867.3/21

Left Out: -35.973+/-0.042 χ^2/NDF:33609.3/24

Right Out: -38.552+/-0.070 χ^2/NDF: 13111.9/26

Left In: -35.737+/-0.045 χ^2/NDF:27154.8/22

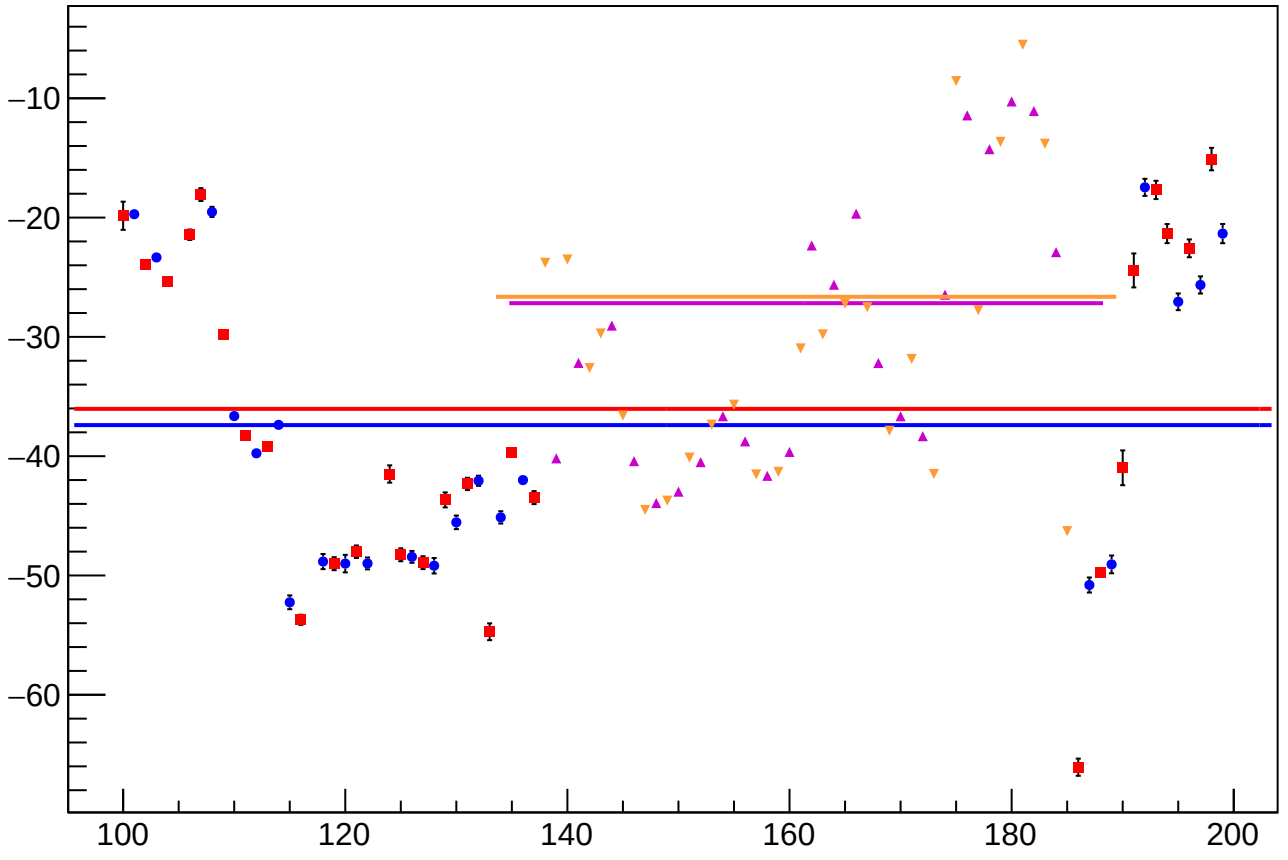
Left: -35.862+/-0.031 χ^2/NDF: 60778.7/47

Right: -39.228+/-0.051 χ^2/NDF: 24183.8/48

In: -36.866+/-0.039 χ^2/NDF:40414.3/44

Out: -36.673+/-0.036 χ^2/NDF:47724.2/51

All: -36.763+/-0.026 χ^2/NDF: 88151.8/96



Right In: -37.395+/-0.071 χ^2/NDF: 13223.5/21

Left Out: -26.639+/-0.055 χ^2/NDF:50051.9/24

Right Out: -36.034+/-0.062 χ^2/NDF: 18561.2/26

Left In: -27.176+/-0.057 χ^2/NDF:40990.1/22

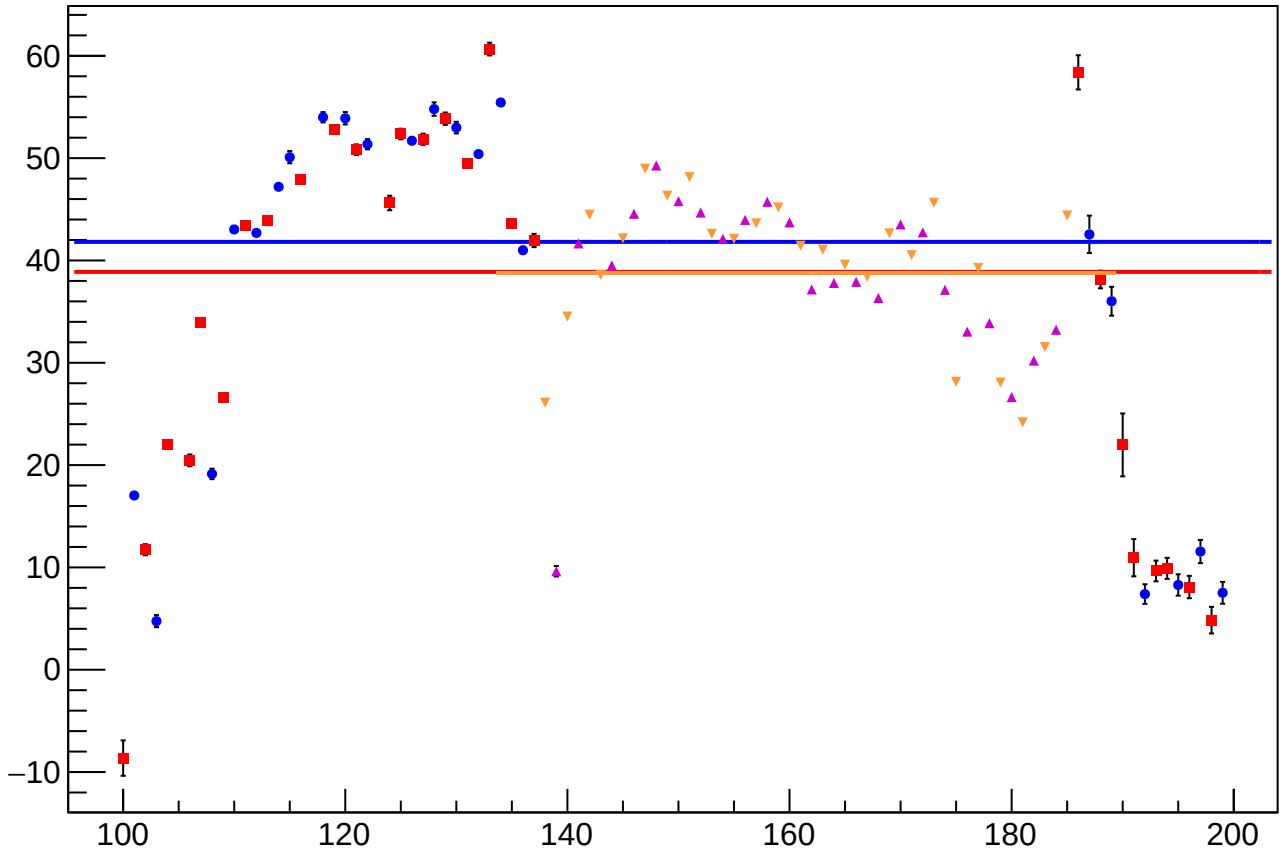
Left: -26.895+/-0.039 χ^2/NDF: 91088.1/47

Right: -36.619+/-0.047 χ^2/NDF: 31991.5/48

In: -31.167+/-0.045 χ^2/NDF:66667.0/44

Out: -30.739+/-0.041 χ^2/NDF:81541.5/51

All: -30.934+/-0.030 χ^2/NDF: 148258.2/96



Right In: 41.816+/-0.084 χ^2/NDF: 18962.1/21

Left Out: 38.777+/-0.048 χ^2/NDF:21070.6/24

Right Out: 38.885+/-0.077 χ^2/NDF: 21556.3/26

Left In: 38.791+/-0.050 χ^2/NDF:16240.7/22

Left: 38.784+/-0.035 χ^2/NDF: 37311.3/47

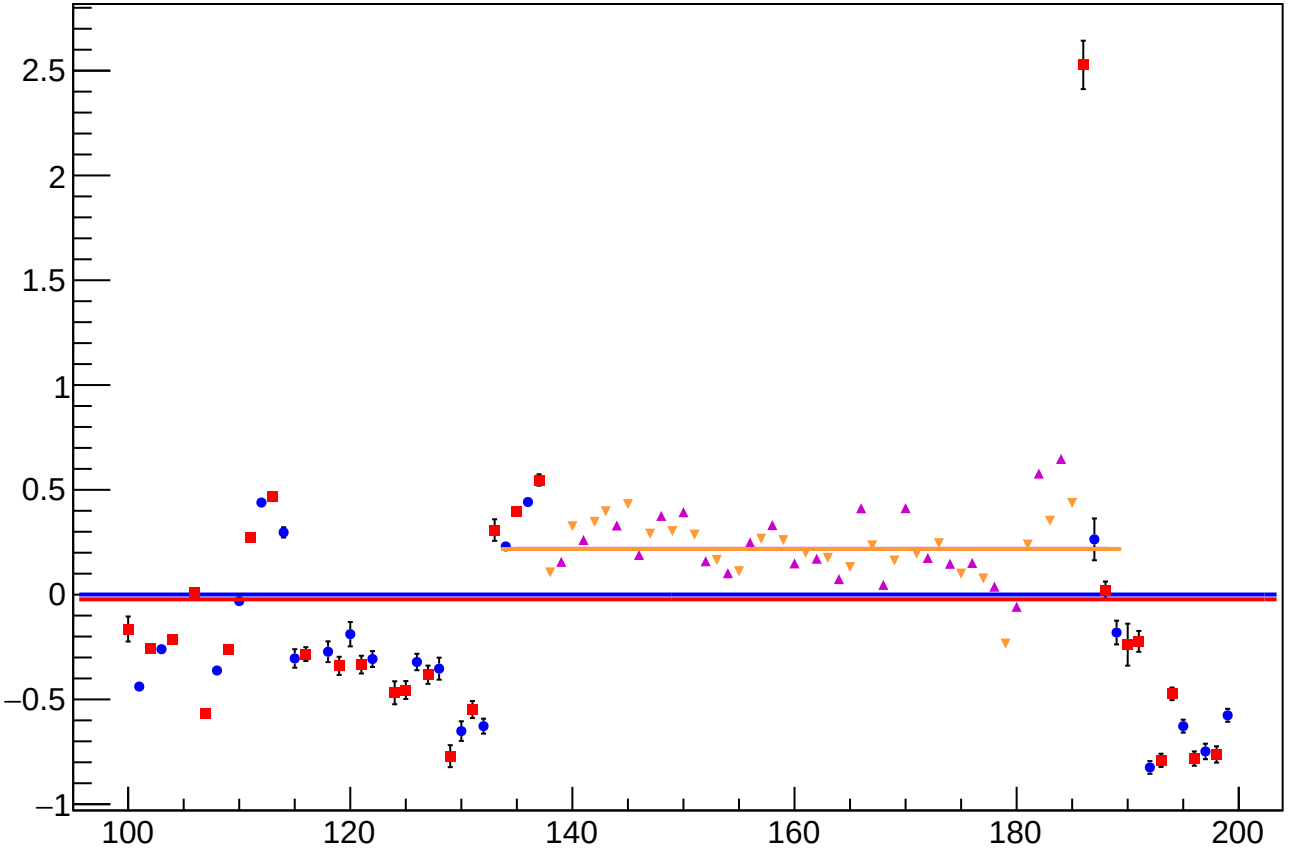
Right: 40.227+/-0.057 χ^2/NDF: 41183.5/48

In: 39.591+/-0.043 χ^2/NDF:36163.5/44

Out: 38.807+/-0.041 χ^2/NDF:42628.3/51

All: 39.176+/-0.030 χ^2/NDF: 78967.4/96

reg_asym_sam8_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.001+/-0.005 χ^2/NDF: 7599.9/21

Left Out: 0.218+/-0.002 χ^2/NDF:4075.0/24

Right Out: -0.023+/-0.004 χ^2/NDF: 8696.6/26

Left In: 0.218+/-0.002 χ^2/NDF:5312.2/22

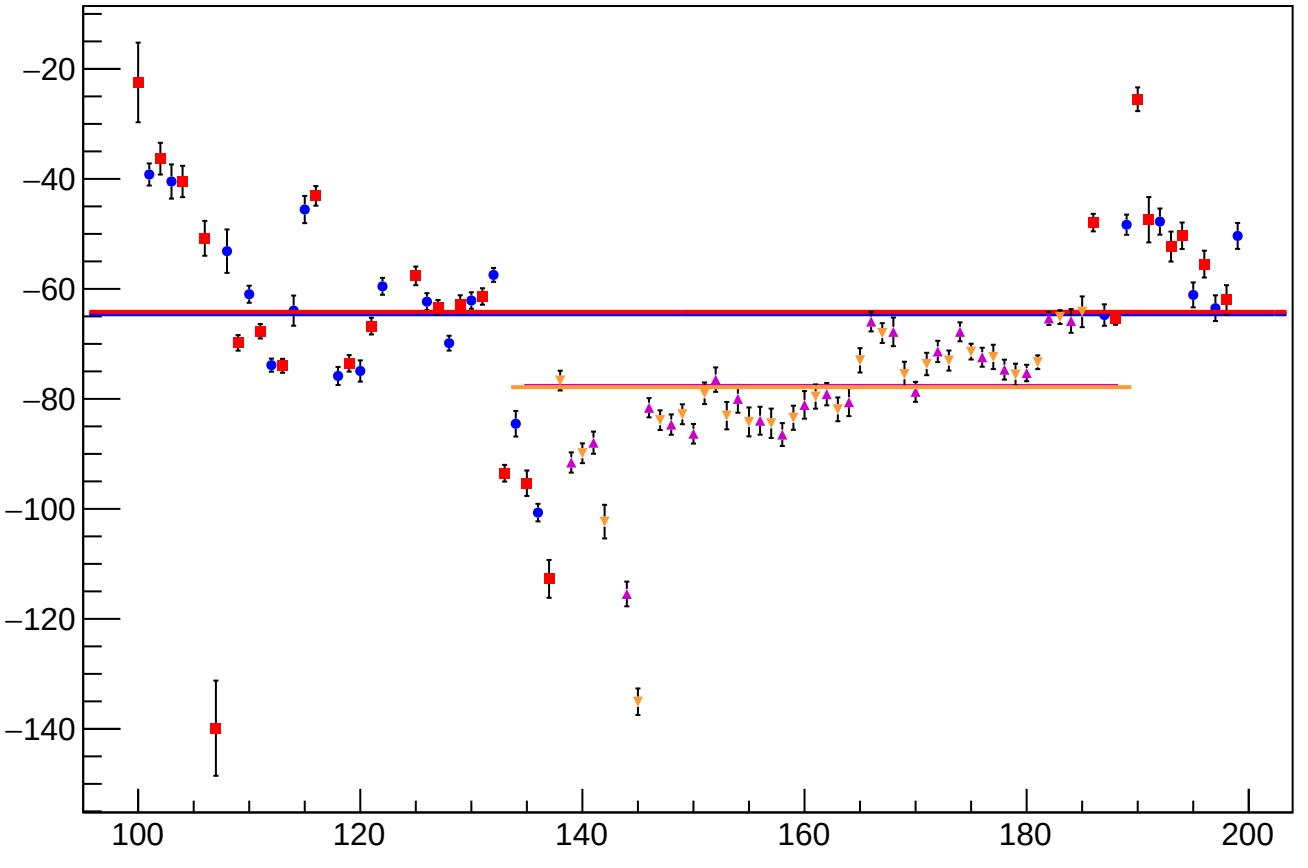
Left: 0.218+/-0.002 χ^2/NDF: 9387.2/47

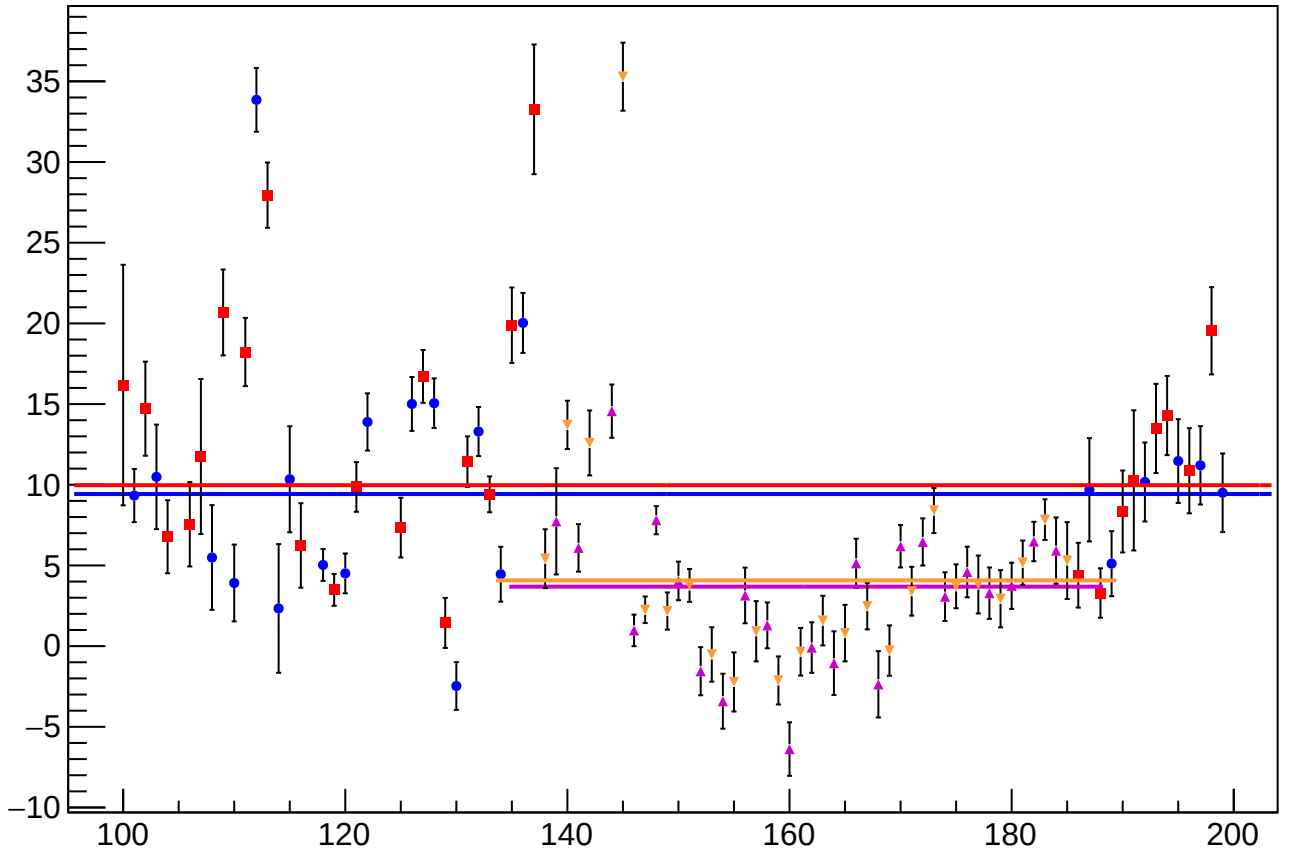
Right: -0.012+/-0.003 χ^2/NDF: 16310.2/48

In: 0.177+/-0.002 χ^2/NDF:14718.6/44

Out: 0.168+/-0.002 χ^2/NDF:15372.6/51

All: 0.172+/-0.001 χ^2/NDF: 30102.0/96


reg_asym_usl_diff_bpm1X_slope vs Slug, Sign Corrected
−20
−40
−60
−80
−100
−120
−140
100
120
140
160
180
200
Right In: -64.615+/-0.383 χ²/NDF: 1242.8/21
Left Out: -77.867+/-0.394 χ²/NDF:932.3/23
Right Out: -64.172+/-0.358 χ²/NDF: 1836.1/25
Left In: -77.643+/-0.396 χ²/NDF:693.3/22
Left: -77.756+/-0.279 χ²/NDF: 1625.8/46
Right: -64.378+/-0.262 χ²/NDF: 3079.6/47
In: -70.913+/-0.276 χ²/NDF:2493.9/44
Out: -70.363+/-0.265 χ²/NDF:3430.1/49
All: -70.627+/-0.191 χ²/NDF: 5926.1/94



Right In: 9.426+/-0.394 χ^2/NDF: 347.8/21

Left Out: 4.073+/-0.297 χ^2/NDF:370.6/23

Right Out: 9.973+/-0.385 χ^2/NDF: 308.6/25

Left In: 3.686+/-0.302 χ^2/NDF:182.6/22

Left: 3.883+/-0.212 χ^2/NDF: 554.0/46

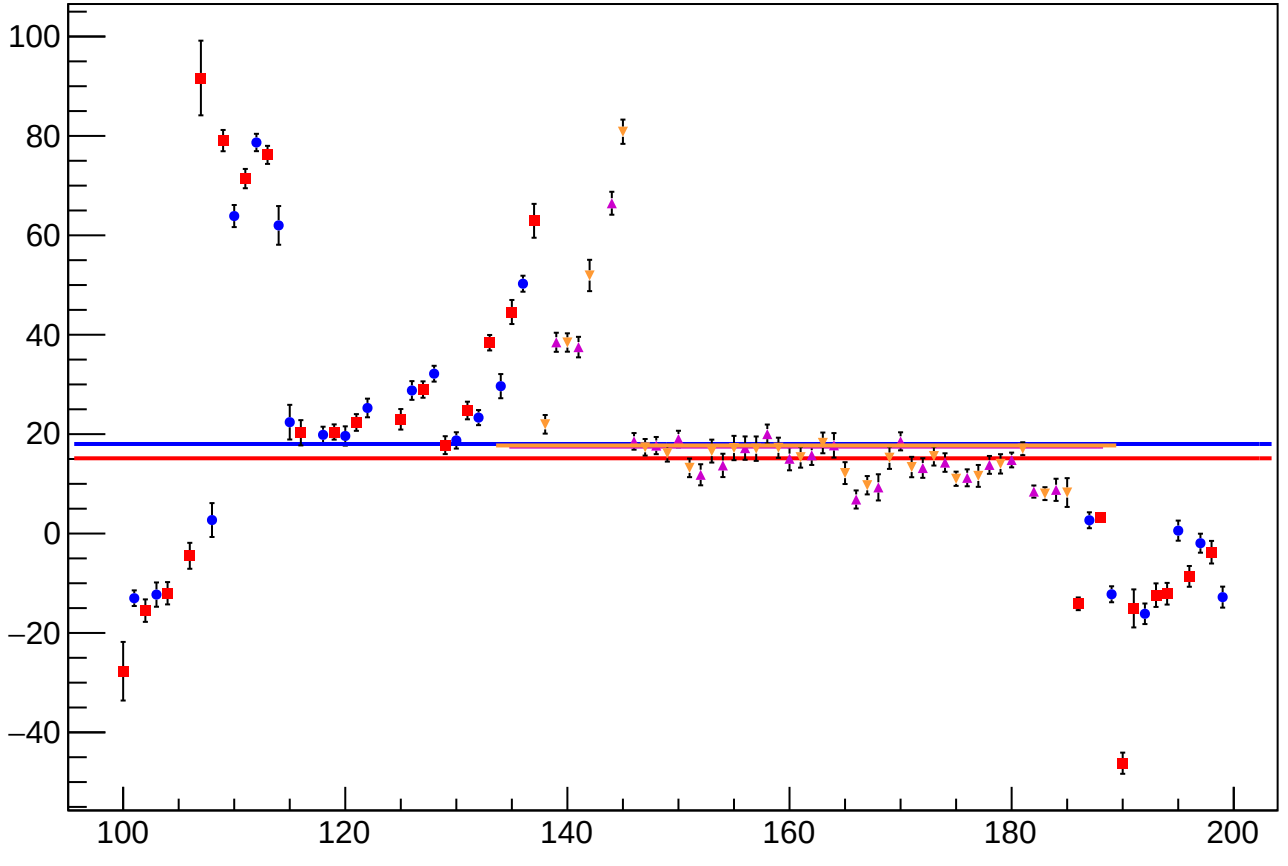
Right: 9.705+/-0.275 χ^2/NDF: 657.4/47

In: 5.810+/-0.239 χ^2/NDF:664.4/44

Out: 6.268+/-0.235 χ^2/NDF:826.2/49

All: 6.043+/-0.168 χ^2/NDF: 1492.5/94

reg_asym_usl_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 18.019+/-0.407 χ^2/NDF: 4003.9/21

Left Out: 17.723+/-0.391 χ^2/NDF:1058.3/23

Right Out: 15.140+/-0.373 χ^2/NDF: 6208.2/25

Left In: 17.491+/-0.393 χ^2/NDF:820.7/22

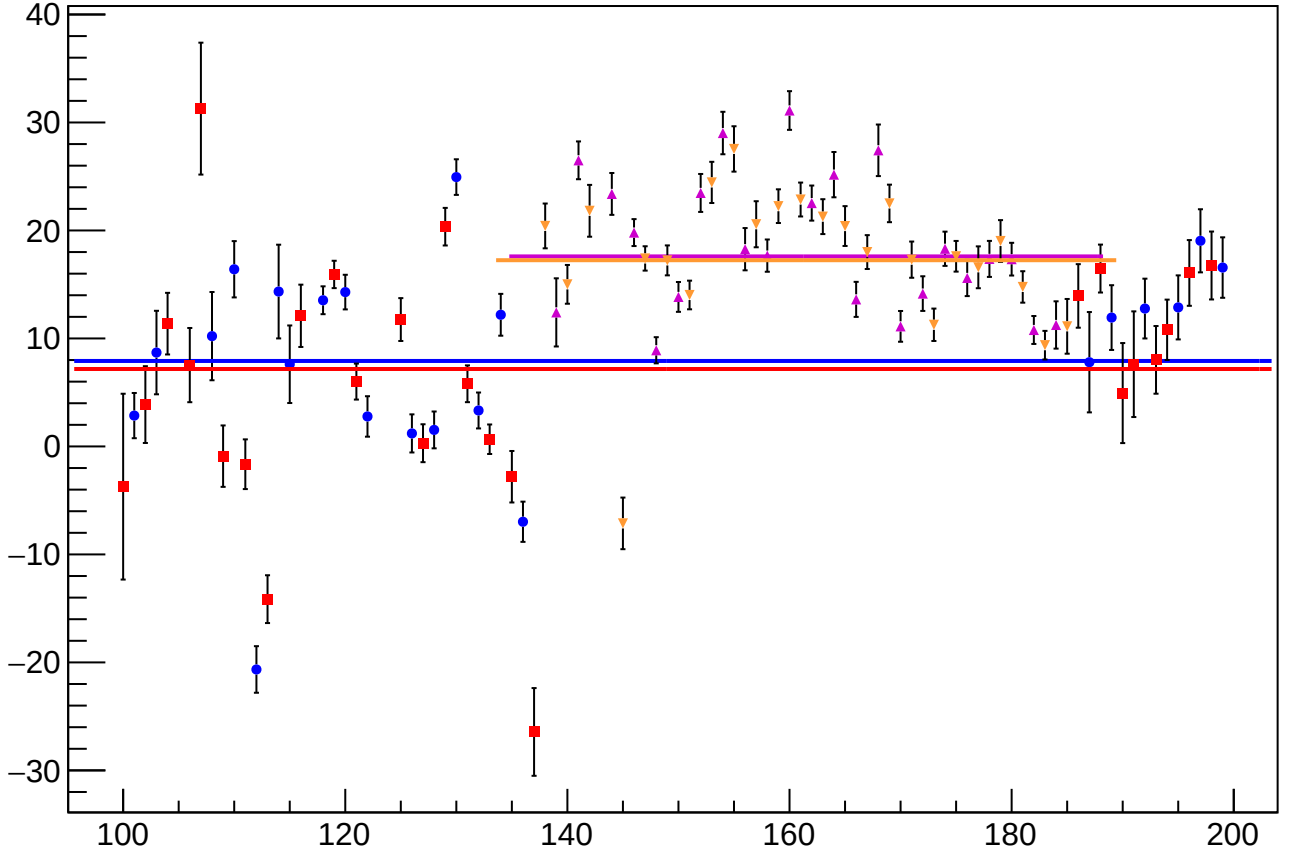
Left: 17.608+/-0.277 χ^2/NDF: 1879.2/46

Right: 16.454+/-0.275 χ^2/NDF: 10239.4/47

In: 17.746+/-0.282 χ^2/NDF:4825.5/44

Out: 16.369+/-0.270 χ^2/NDF:7289.4/49

All: 17.026+/-0.195 χ^2/NDF: 12127.3/94



Right In: 7.915+/-0.460 χ^2/NDF: 480.1/21

Left Out: 17.245+/-0.338 χ^2/NDF:260.8/23

Right Out: 7.171+/-0.456 χ^2/NDF: 416.8/25

Left In: 17.597+/-0.342 χ^2/NDF:309.7/22

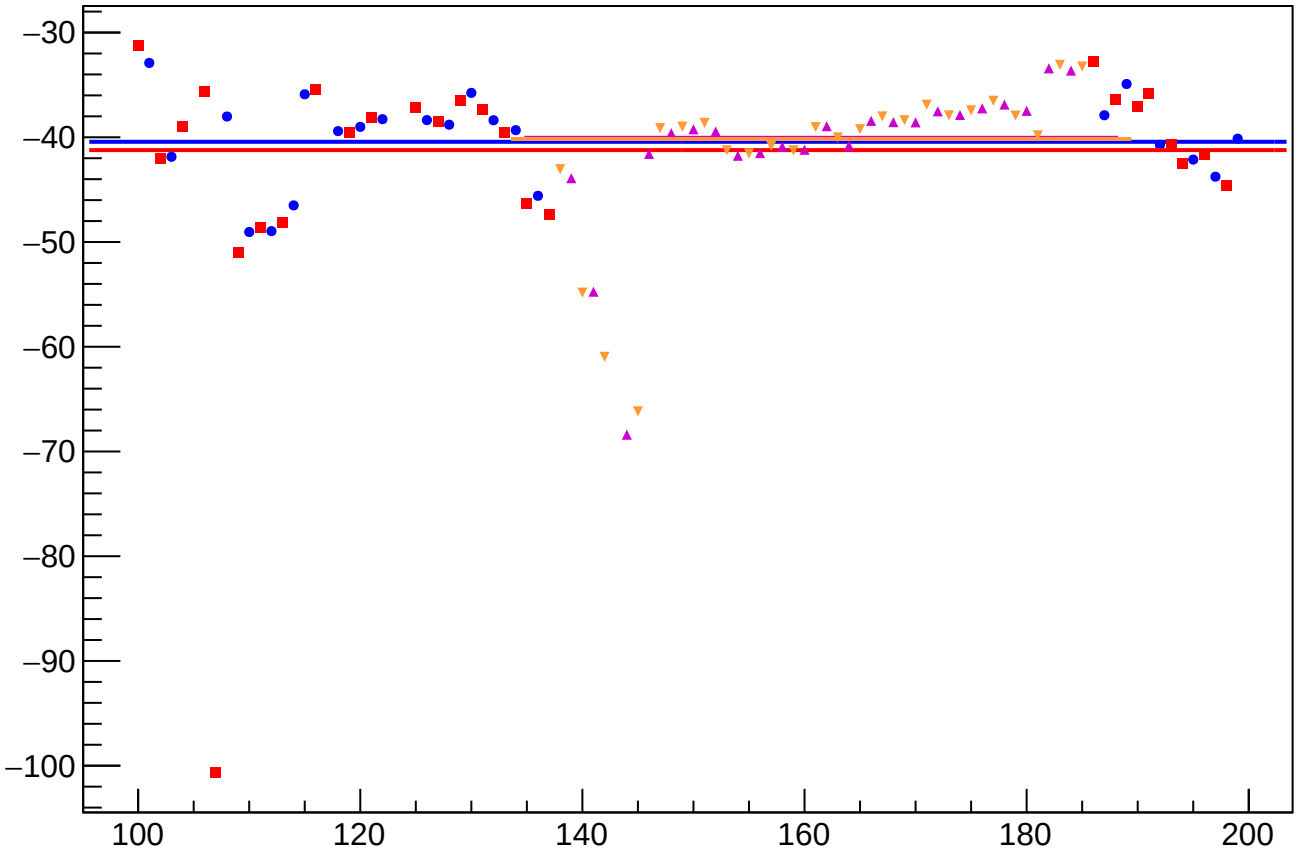
Left: 17.419+/-0.241 χ^2/NDF: 571.0/46

Right: 7.539+/-0.324 χ^2/NDF: 898.2/47

In: 14.151+/-0.275 χ^2/NDF:1074.6/44

Out: 13.667+/-0.272 χ^2/NDF:992.9/49

All: 13.906+/-0.193 χ^2/NDF: 2069.1/94



Right In: -40.431+/-0.025 χ^2/NDF: 24703.6/21

Left Out: -40.165+/-0.015 χ^2/NDF:163335.9/23

Right Out: -41.225+/-0.024 χ^2/NDF: 67297.7/25

Left In: -40.050+/-0.015 χ^2/NDF:136438.5/22

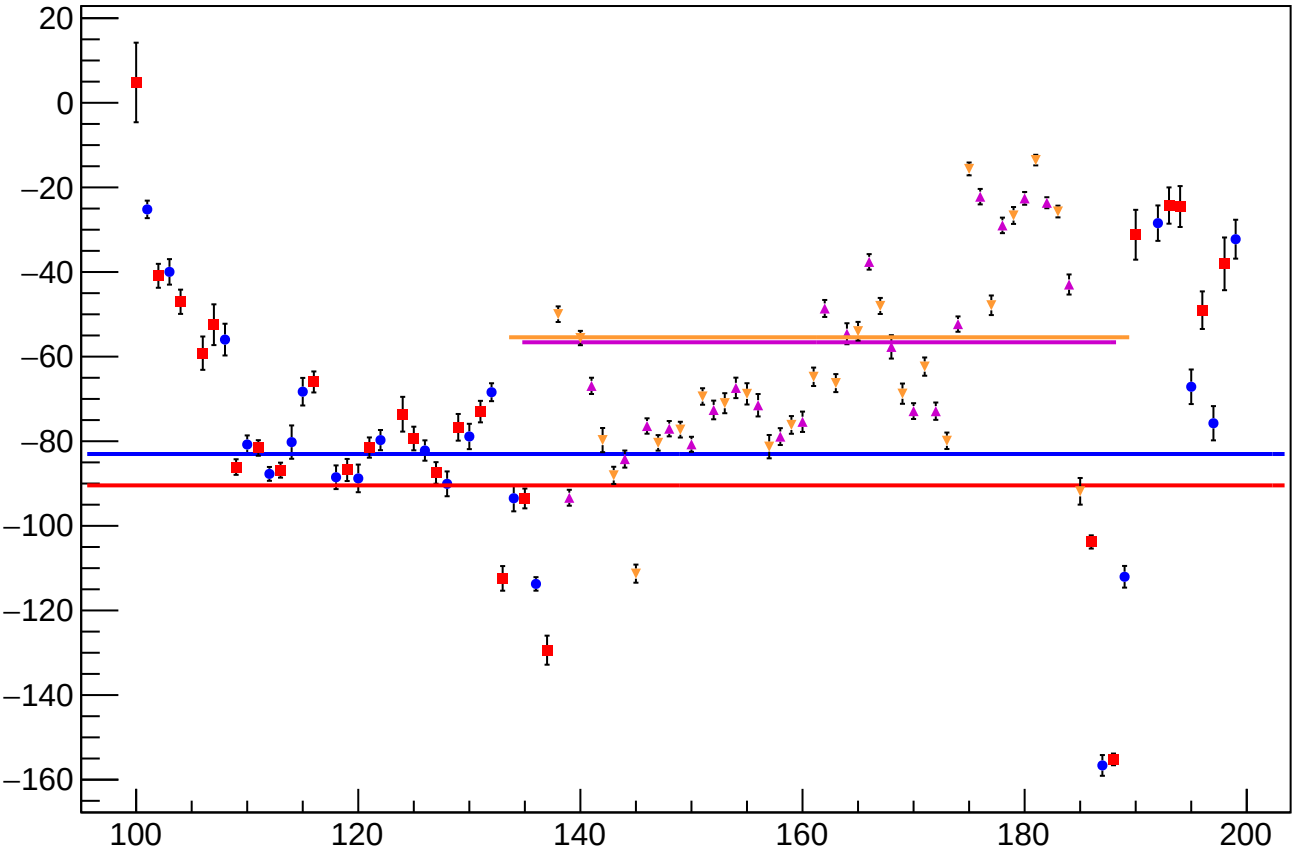
Left: -40.107+/-0.011 χ^2/NDF: 299802.1/46

Right: -40.833+/-0.017 χ^2/NDF: 92522.8/47

In: -40.156+/-0.013 χ^2/NDF:161312.7/44

Out: -40.467+/-0.013 χ^2/NDF:231981.2/49

All: -40.312+/-0.009 χ^2/NDF: 393578.6/94



Right In: -83.019+/-0.557 χ^2/NDF: 2850.3/21

Left Out: -55.424+/-0.393 χ^2/NDF:4525.3/24

Right Out: -90.436+/-0.508 χ^2/NDF: 4147.0/25

Left In: -56.609+/-0.404 χ^2/NDF:3350.3/22

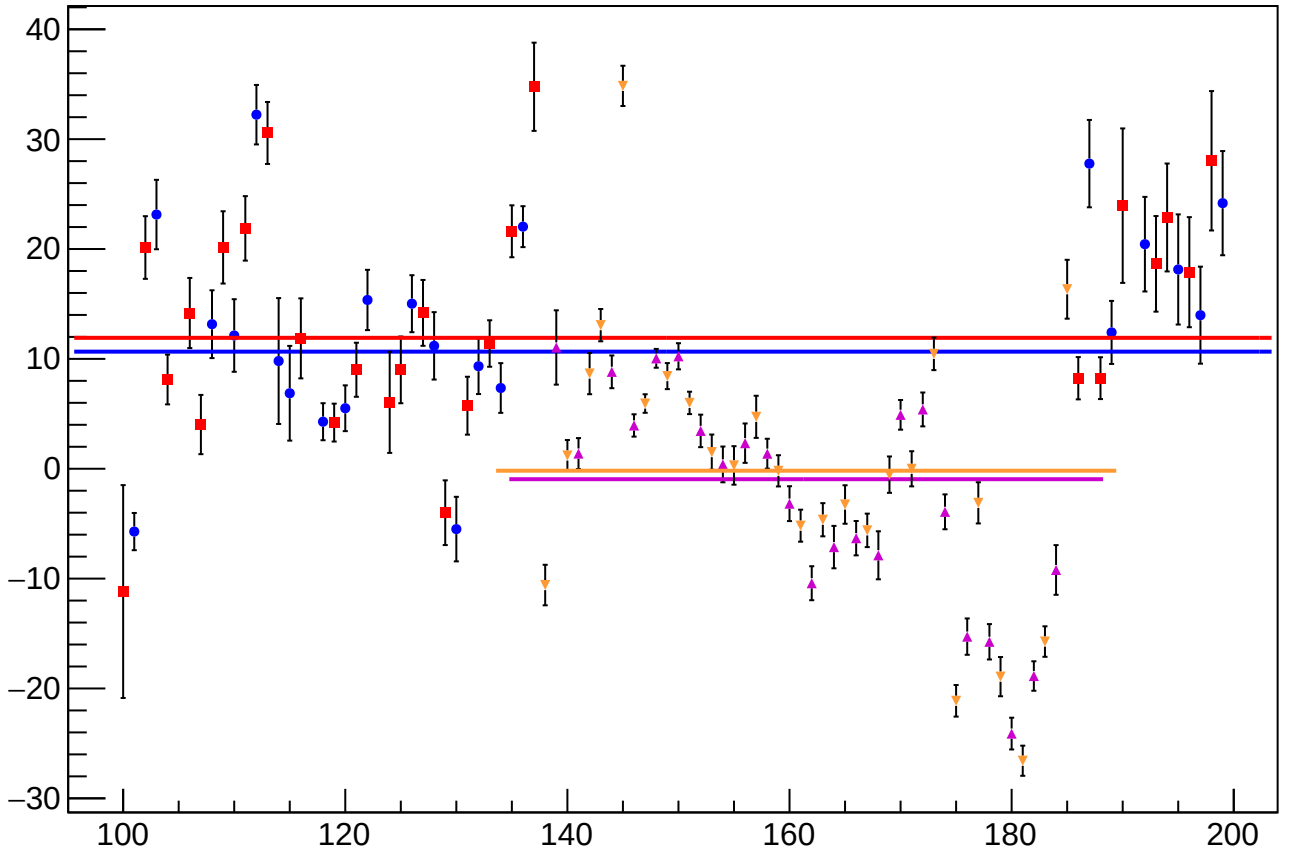
Left: -56.001+/-0.282 χ^2/NDF: 7880.0/47

Right: -87.070+/-0.375 χ^2/NDF: 7094.1/47

In: -65.703+/-0.327 χ^2/NDF:7673.8/44

Out: -68.548+/-0.311 χ^2/NDF:11643.1/50

All: -67.197+/-0.225 χ^2/NDF: 19356.6/95



Right In: 10.659+/-0.581 χ^2/NDF: 305.3/21

Left Out: -0.179+/-0.294 χ^2/NDF:1598.6/24

Right Out: 11.916+/-0.560 χ^2/NDF: 221.4/25

Left In: -0.952+/-0.304 χ^2/NDF:1069.6/22

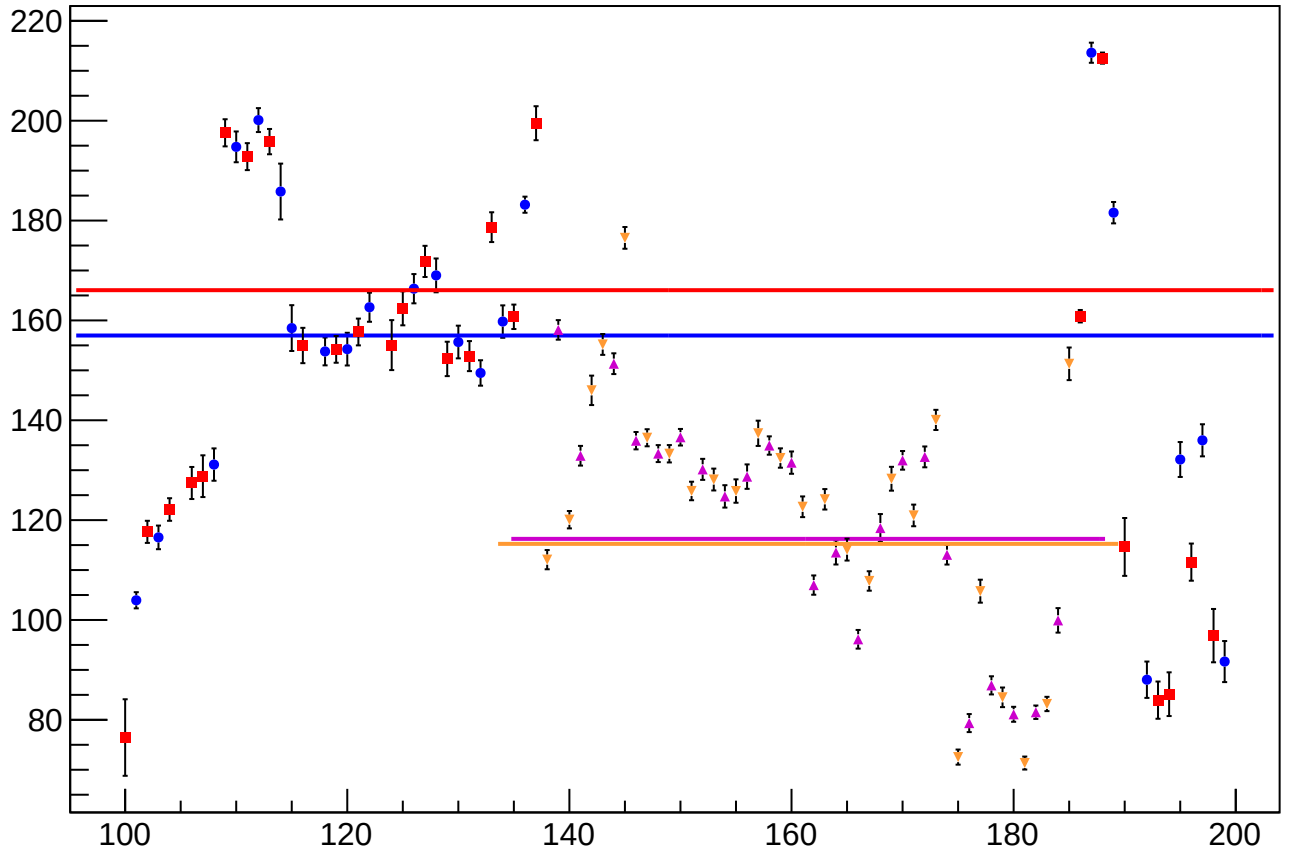
Left: -0.553+/-0.211 χ^2/NDF: 2671.5/47

Right: 11.311+/-0.403 χ^2/NDF: 529.1/47

In: 1.546+/-0.269 χ^2/NDF:1688.6/44

Out: 2.437+/-0.260 χ^2/NDF:2185.8/50

All: 2.007+/-0.187 χ^2/NDF: 3880.1/95



Right In: 156.977+/-0.572 χ^2/NDF: 3857.1/21

Left Out: 115.243+/-0.390 χ^2/NDF:4836.5/24

Right Out: 166.056+/-0.509 χ^2/NDF: 4847.4/25

Left In: 116.246+/-0.399 χ^2/NDF:3637.3/22

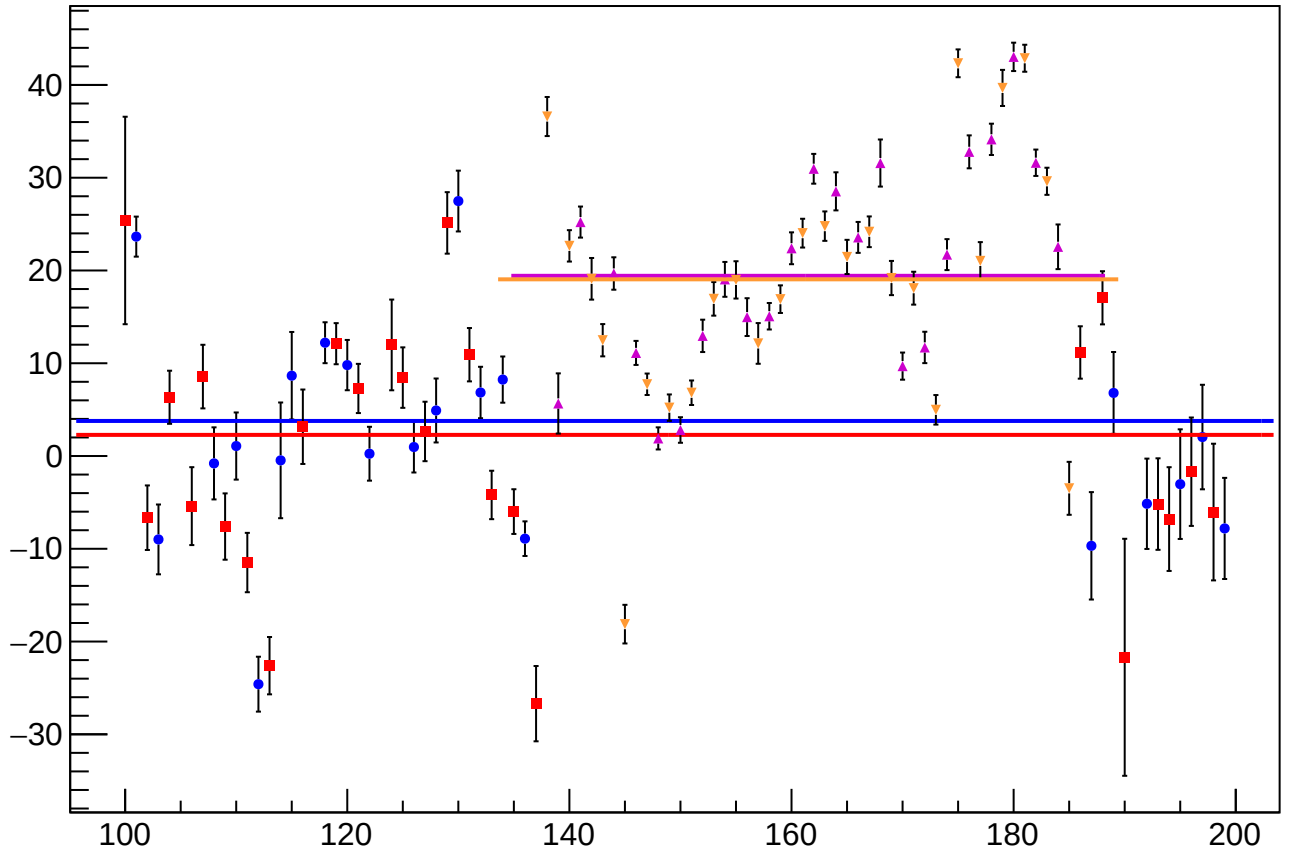
Left: 115.733+/-0.279 χ^2/NDF: 8477.1/47

Right: 162.041+/-0.380 χ^2/NDF: 8845.4/47

In: 129.600+/-0.327 χ^2/NDF:10908.2/44

Out: 134.065+/-0.310 χ^2/NDF:15960.9/50

All: 131.955+/-0.225 χ^2/NDF: 26967.3/95



Right In: 3.780+/-0.677 χ^2/NDF: 332.1/21

Left Out: 19.046+/-0.336 χ^2/NDF:1545.8/24

Right Out: 2.278+/-0.668 χ^2/NDF: 313.5/25

Left In: 19.425+/-0.346 χ^2/NDF:1077.2/22

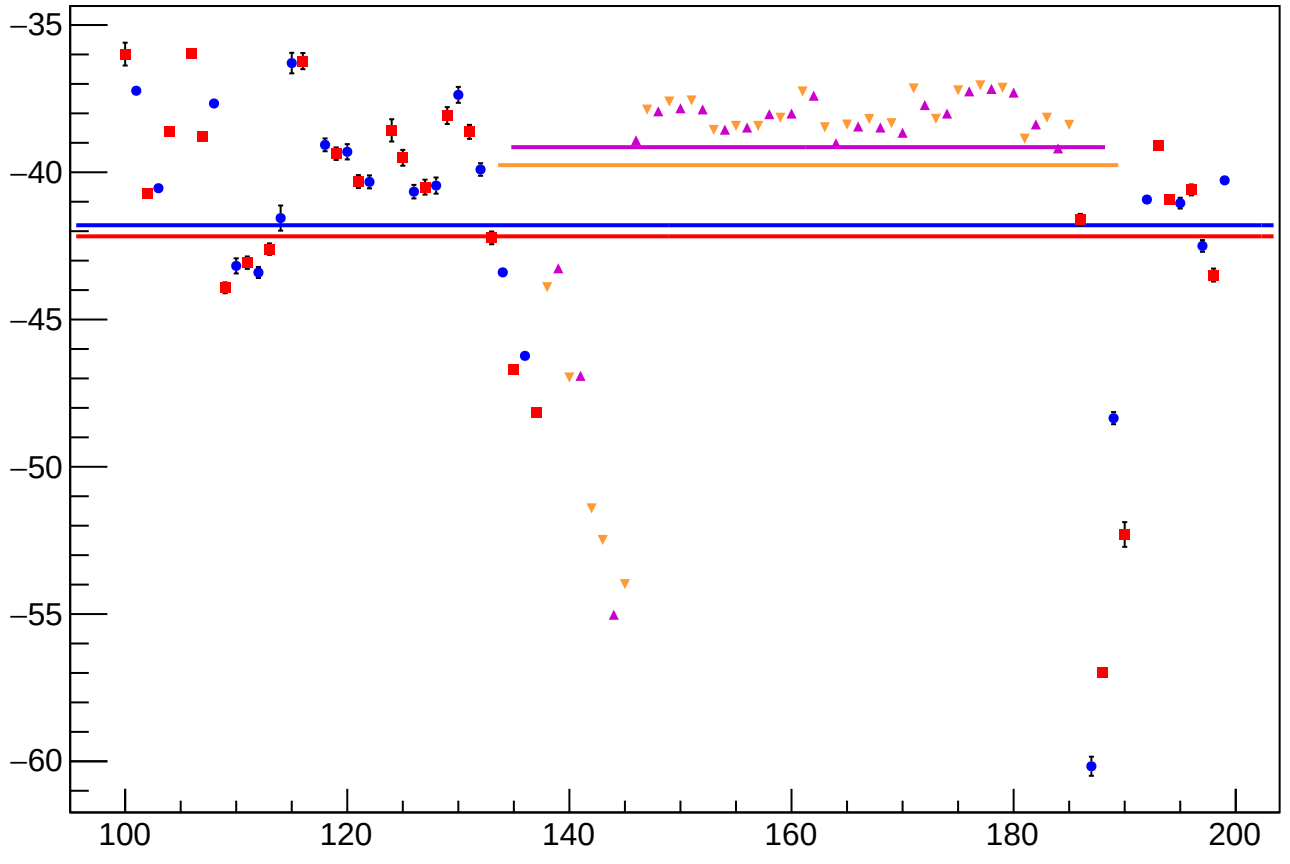
Left: 19.230+/-0.241 χ^2/NDF: 2623.6/47

Right: 3.018+/-0.476 χ^2/NDF: 648.0/47

In: 16.193+/-0.308 χ^2/NDF:1832.4/44

Out: 15.657+/-0.300 χ^2/NDF:2362.3/50

All: 15.918+/-0.215 χ^2/NDF: 4196.3/95



Right In: -41.798+/-0.034 χ^2/NDF: 12352.5/21

Left Out: -39.758+/-0.015 χ^2/NDF:81865.0/24

Right Out: -42.175+/-0.034 χ^2/NDF: 19051.7/25

Left In: -39.147+/-0.016 χ^2/NDF:46907.5/22

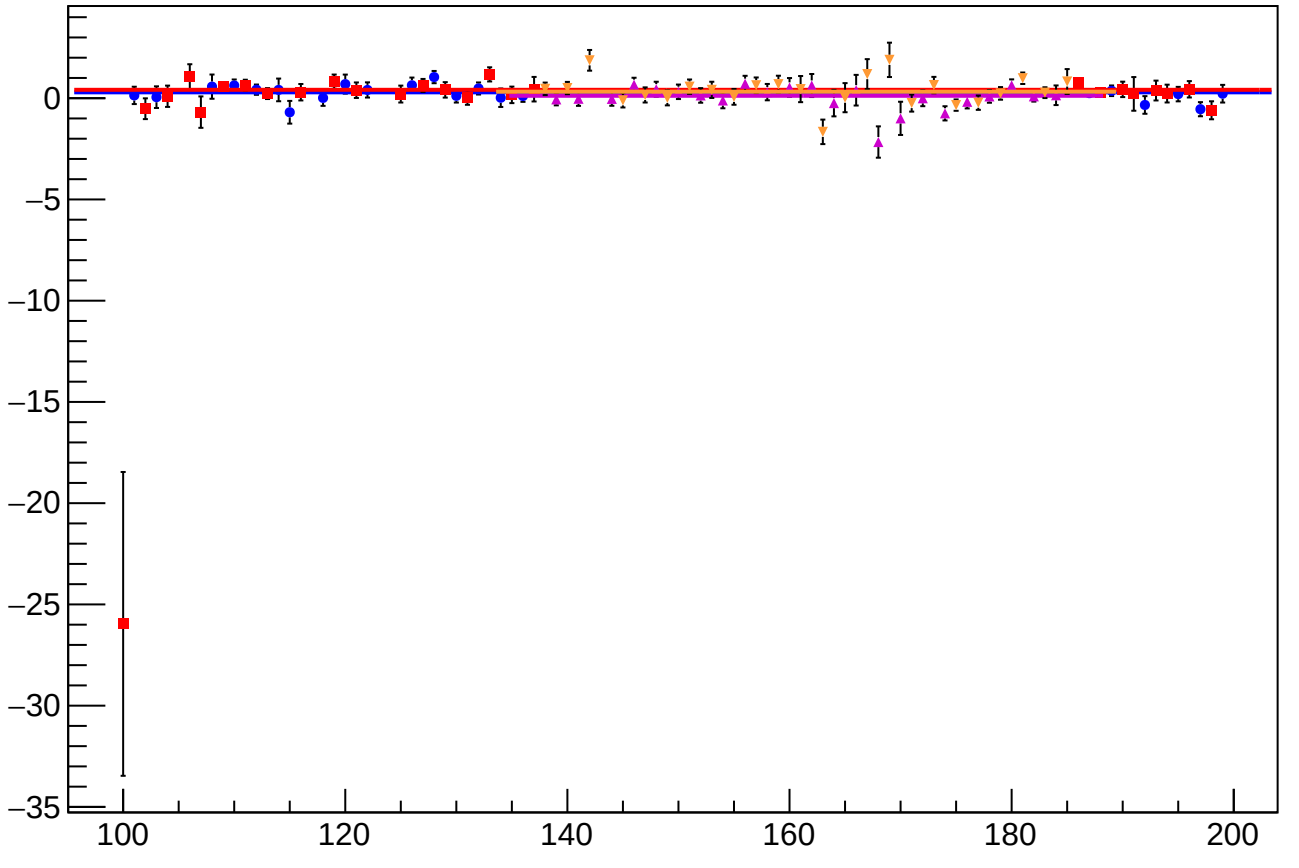
Left: -39.456+/-0.011 χ^2/NDF: 129547.1/47

Right: -41.985+/-0.024 χ^2/NDF: 31464.6/47

In: -39.606+/-0.014 χ^2/NDF:64252.9/44

Out: -40.163+/-0.014 χ^2/NDF:105020.2/50

All: -39.887+/-0.010 χ^2/NDF: 170047.4/95



Right In: 0.290+/-0.075 χ^2/NDF: 23.0/21

Left Out: 0.321+/-0.078 χ^2/NDF:46.9/23

Right Out: 0.415+/-0.064 χ^2/NDF: 40.1/25

Left In: 0.120+/-0.079 χ^2/NDF:30.0/22

Left: 0.222+/-0.056 χ^2/NDF: 80.1/46

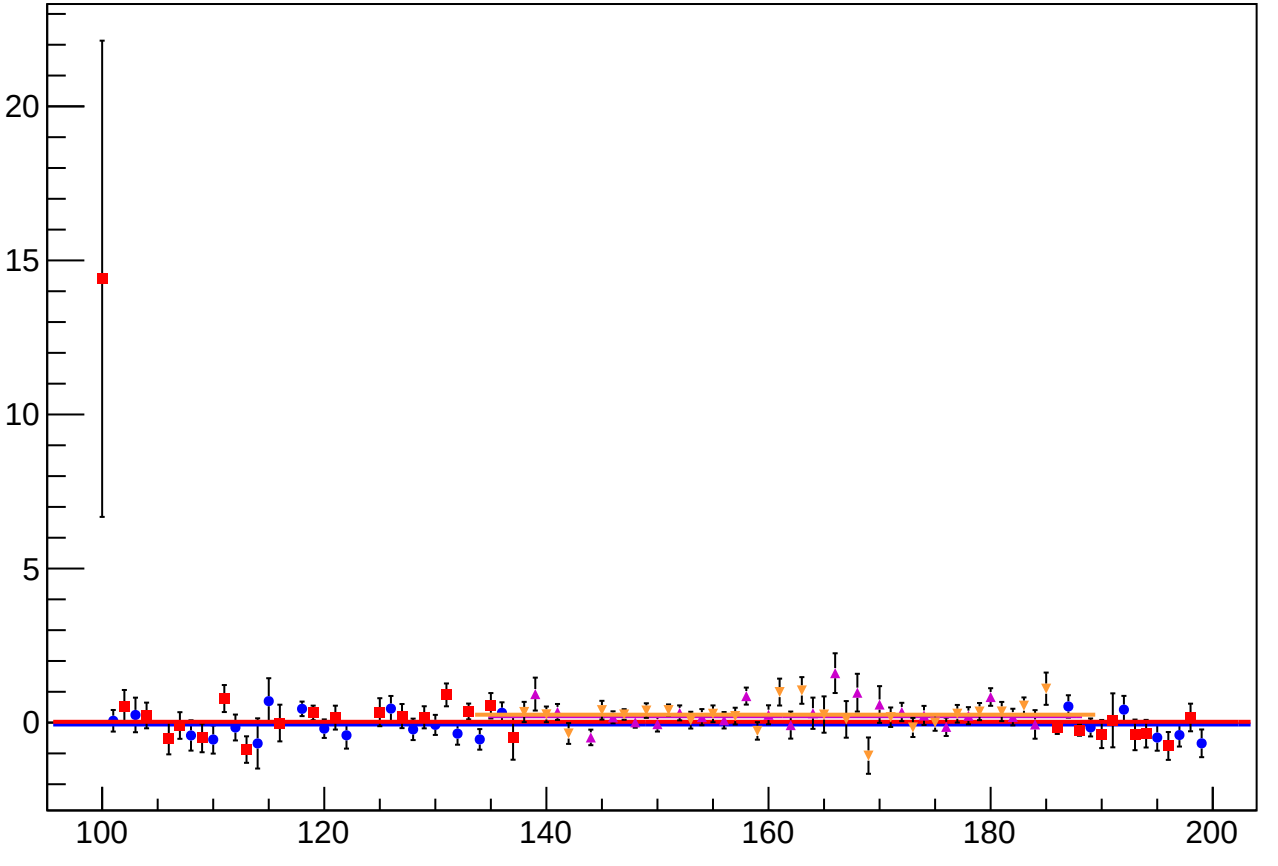
Right: 0.362+/-0.048 χ^2/NDF: 64.7/47

In: 0.210+/-0.054 χ^2/NDF:55.4/44

Out: 0.377+/-0.049 χ^2/NDF:87.9/49

All: 0.302+/-0.037 χ^2/NDF: 148.4/94

reg_asym_dsl_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.061+/-0.080 χ^2/NDF: 22.6/21

Left Out: 0.257+/-0.059 χ^2/NDF:26.5/23

Right Out: 0.026+/-0.073 χ^2/NDF: 34.5/25

Left In: 0.207+/-0.060 χ^2/NDF:31.9/22

Left: 0.232+/-0.042 χ^2/NDF: 58.7/46

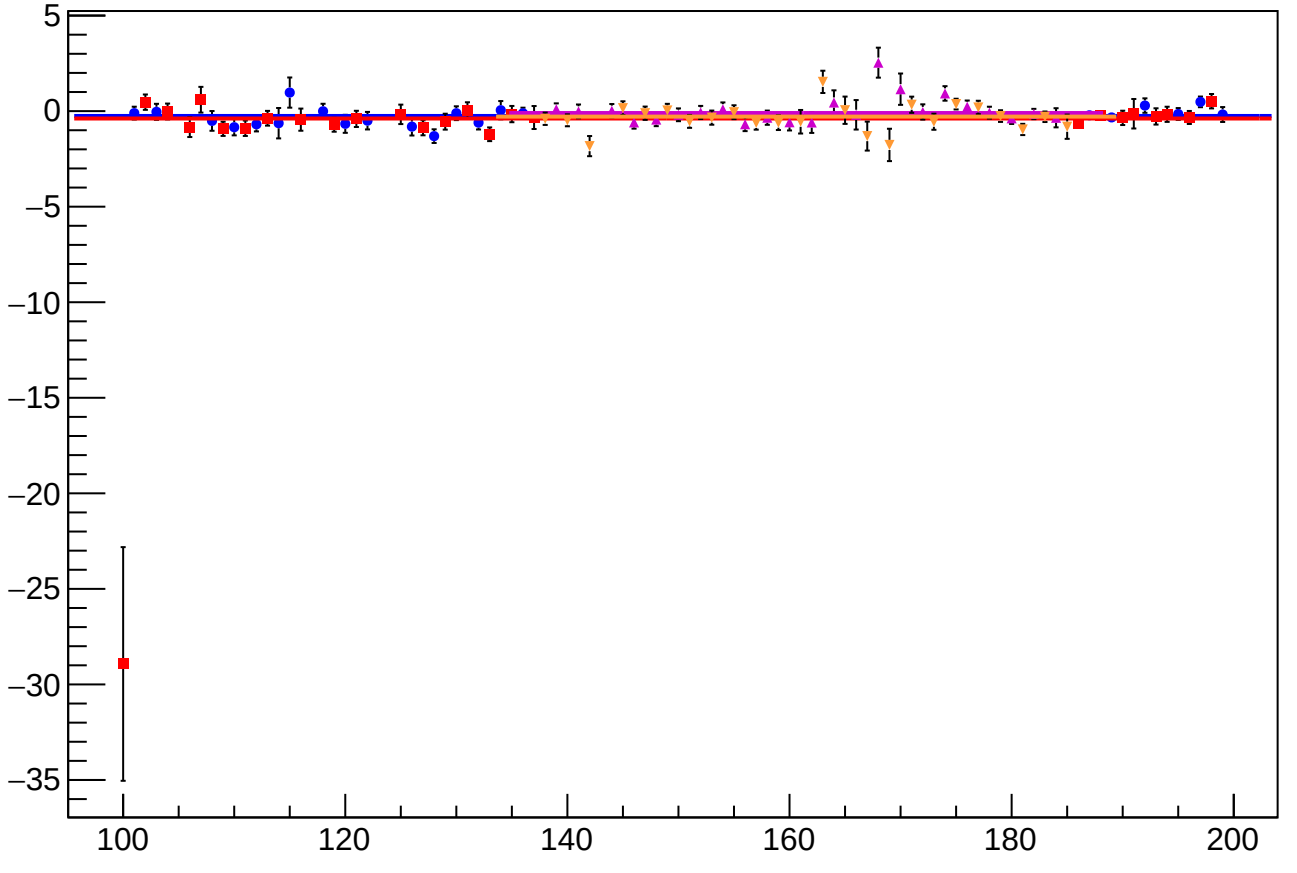
Right: -0.013+/-0.054 χ^2/NDF: 57.7/47

In: 0.110+/-0.048 χ^2/NDF:61.6/44

Out: 0.165+/-0.046 χ^2/NDF:67.0/49

All: 0.139+/-0.033 χ^2/NDF: 129.3/94

reg_asym_dsl_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -0.253+/-0.074 χ^2/NDF: 29.3/21

Left Out: -0.286+/-0.077 χ^2/NDF:45.0/23

Right Out: -0.386+/-0.060 χ^2/NDF: 54.6/25

Left In: -0.100+/-0.078 χ^2/NDF:33.2/22

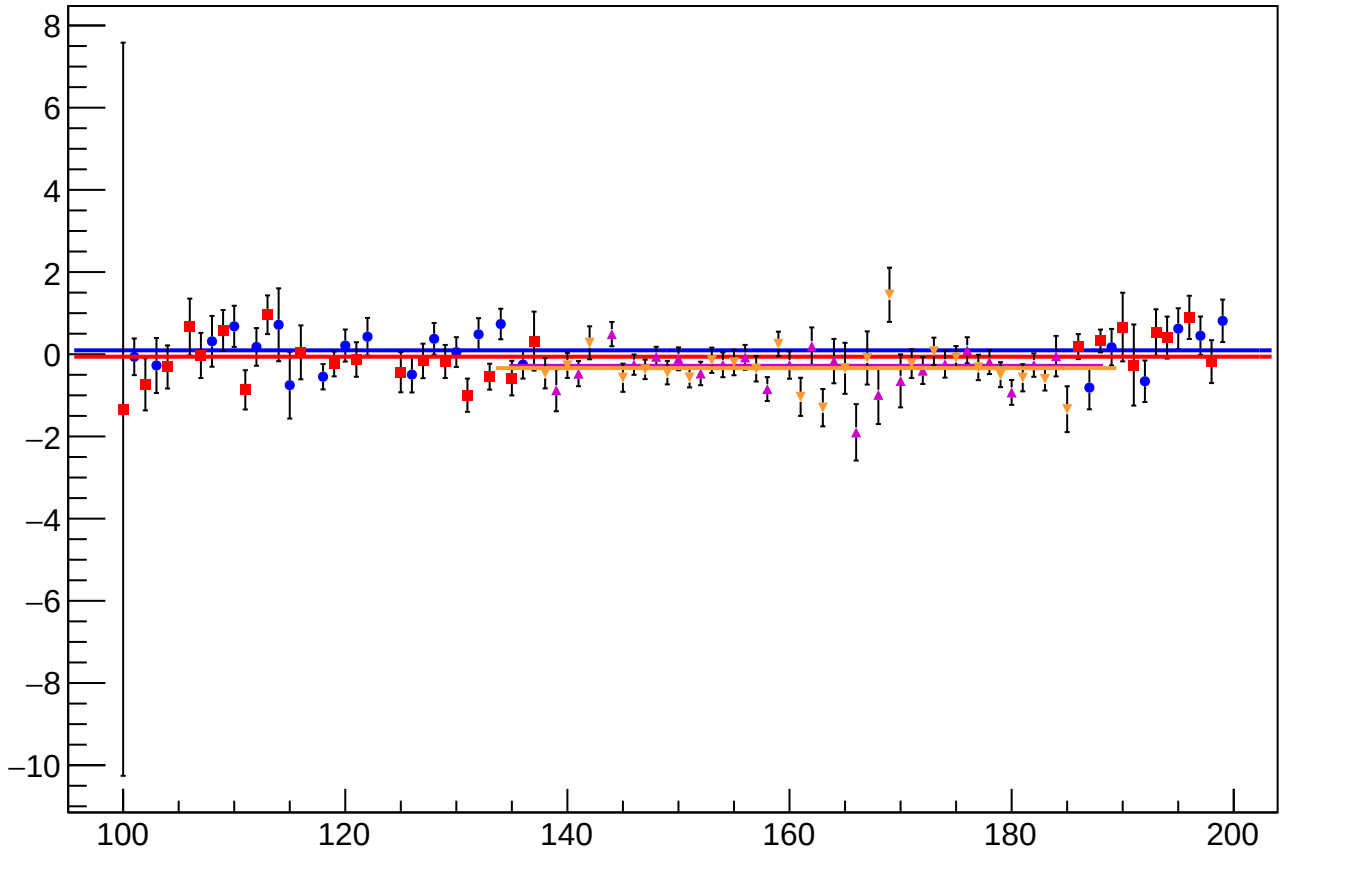
Left: -0.194+/-0.055 χ^2/NDF: 81.1/46

Right: -0.333+/-0.047 χ^2/NDF: 85.9/47

In: -0.181+/-0.054 χ^2/NDF:64.6/44

Out: -0.348+/-0.048 χ^2/NDF:100.7/49

All: -0.275+/-0.036 χ^2/NDF: 170.7/94



Right In: 0.095+/-0.095 χ^2/NDF: 24.7/21

Left Out: -0.337+/-0.068 χ^2/NDF:30.1/23

Right Out: -0.060+/-0.090 χ^2/NDF: 31.0/25

Left In: -0.282+/-0.069 χ^2/NDF:29.0/22

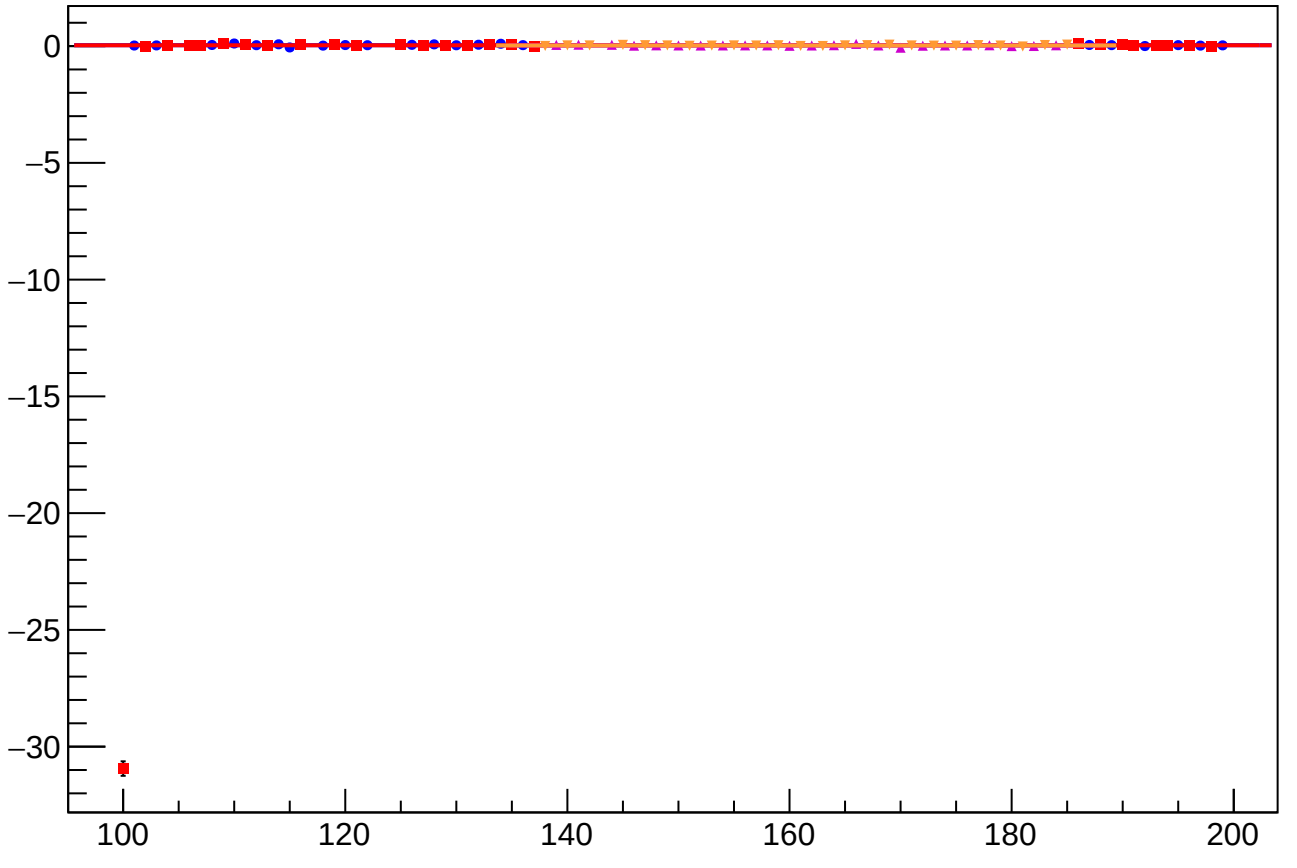
Left: -0.310+/-0.048 χ^2/NDF: 59.4/46

Right: 0.013+/-0.065 χ^2/NDF: 57.1/47

In: -0.152+/-0.056 χ^2/NDF:64.0/44

Out: -0.236+/-0.054 χ^2/NDF:67.1/49

All: -0.195+/-0.039 χ^2/NDF: 132.3/94



Right In: 0.040+/-0.005 χ^2/NDF: 28.3/21

Left Out: 0.028+/-0.003 χ^2/NDF:27.6/23

Right Out: 0.036+/-0.004 χ^2/NDF: 10043.3/25

Left In: 0.029+/-0.003 χ^2/NDF:38.9/22

Left: 0.029+/-0.002 χ^2/NDF: 66.6/46

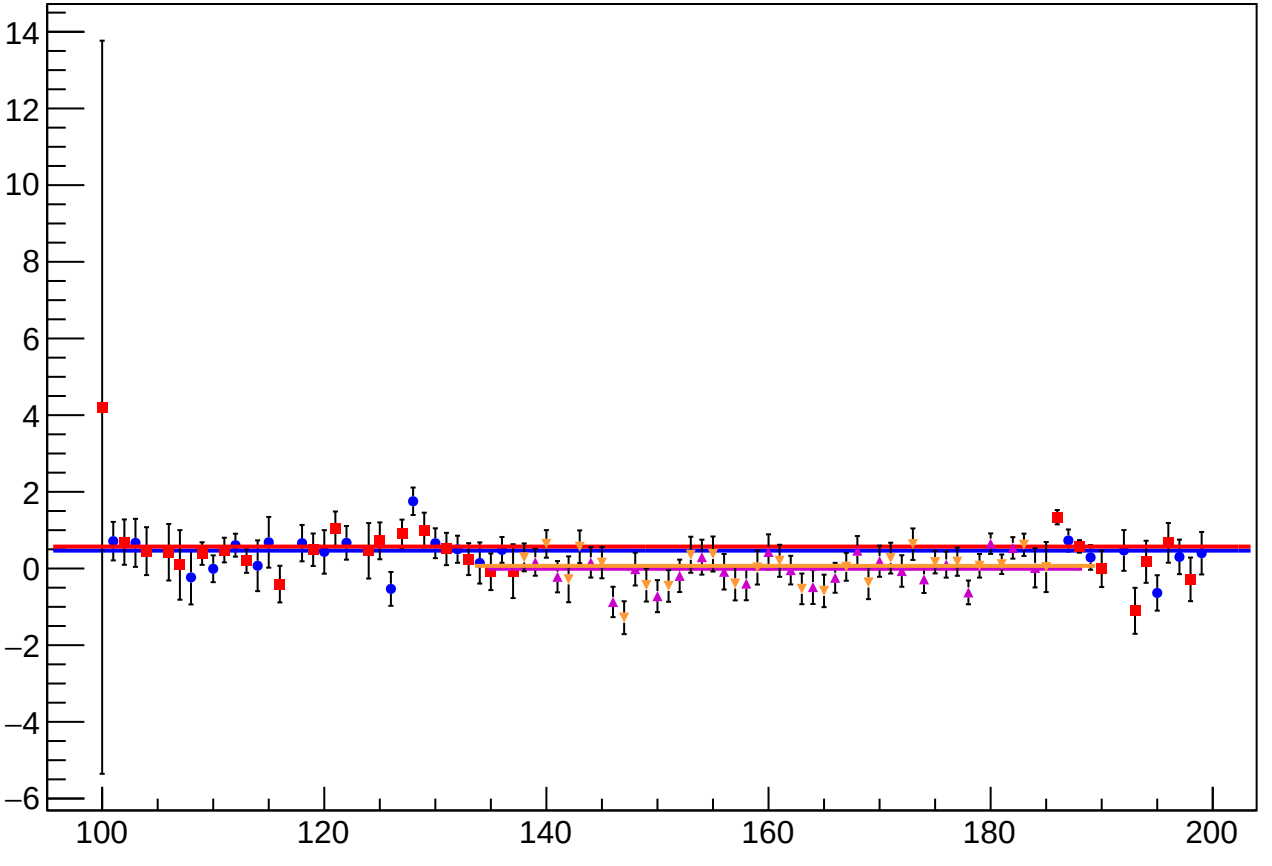
Right: 0.038+/-0.003 χ^2/NDF: 10071.9/47

In: 0.033+/-0.003 χ^2/NDF:70.5/44

Out: 0.030+/-0.003 χ^2/NDF:10072.9/49

All: 0.031+/-0.002 χ^2/NDF: 10143.8/94

reg_asym_dsr_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.467+/-0.090 χ^2/NDF: 29.9/21

Left Out: 0.069+/-0.077 χ^2/NDF:31.1/24

Right Out: 0.572+/-0.076 χ^2/NDF: 41.7/25

Left In: -0.006+/-0.079 χ^2/NDF:28.5/22

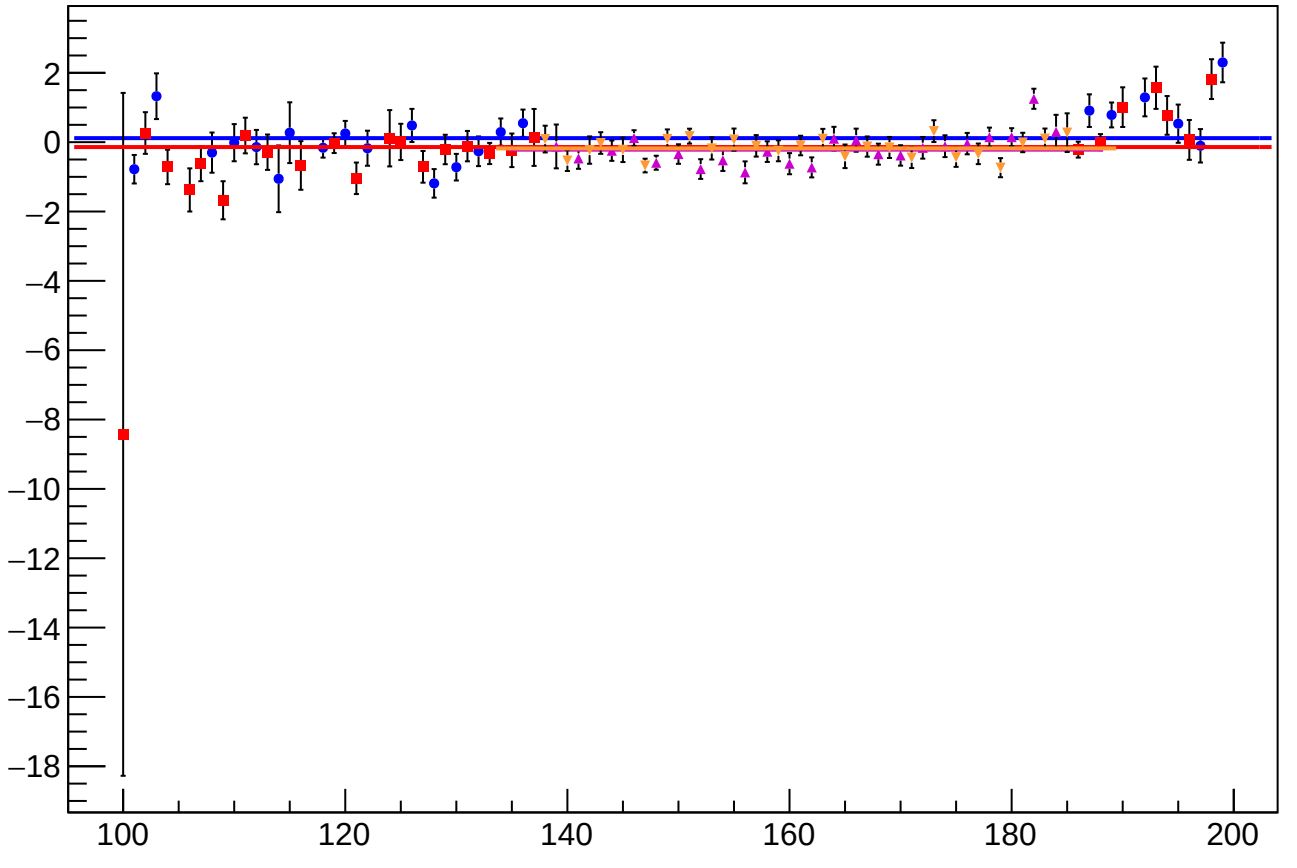
Left: 0.032+/-0.055 χ^2/NDF: 60.1/47

Right: 0.528+/-0.058 χ^2/NDF: 72.4/47

In: 0.201+/-0.060 χ^2/NDF:73.9/44

Out: 0.325+/-0.054 χ^2/NDF:94.5/50

All: 0.269+/-0.040 χ^2/NDF: 170.8/95



Right In: 0.116+/-0.097 χ^2/NDF: 55.8/21

Left Out: -0.180+/-0.059 χ^2/NDF:24.7/24

Right Out: -0.141+/-0.087 χ^2/NDF: 49.5/25

Left In: -0.216+/-0.062 χ^2/NDF:53.6/22

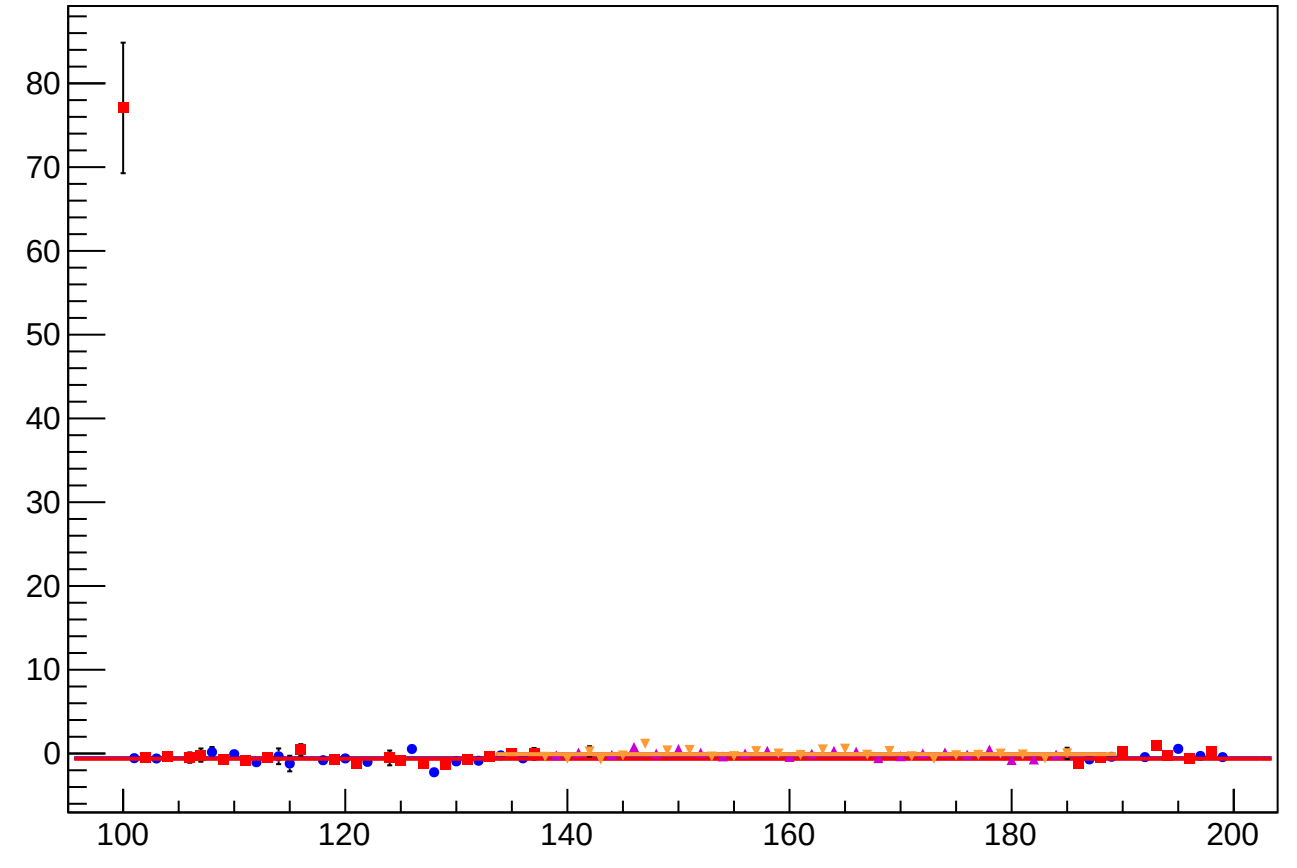
Left: -0.197+/-0.043 χ^2/NDF: 78.5/47

Right: -0.026+/-0.065 χ^2/NDF: 109.1/47

In: -0.120+/-0.052 χ^2/NDF:117.7/44

Out: -0.168+/-0.049 χ^2/NDF:74.3/50

All: -0.145+/-0.036 χ^2/NDF: 192.5/95



Right In: -0.564+/-0.091 χ^2/NDF: 35.7/21

Left Out: -0.077+/-0.077 χ^2/NDF:30.0/24

Right Out: -0.624+/-0.072 χ^2/NDF: 139.8/25

Left In: -0.075+/-0.079 χ^2/NDF:28.3/22

Left: -0.076+/-0.055 χ^2/NDF: 58.3/47

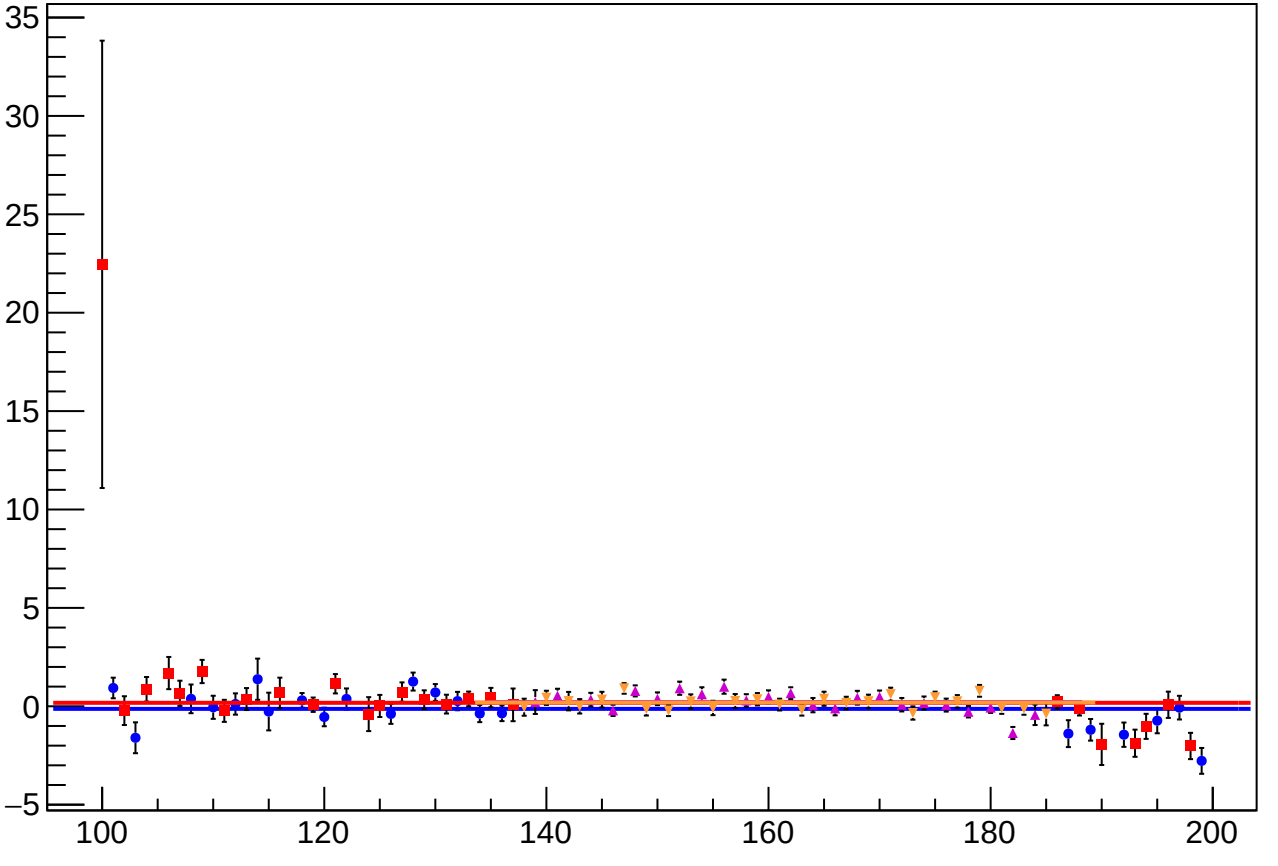
Right: -0.601+/-0.056 χ^2/NDF: 175.8/47

In: -0.286+/-0.059 χ^2/NDF:80.6/44

Out: -0.368+/-0.053 χ^2/NDF:196.8/50

All: -0.332+/-0.039 χ^2/NDF: 278.5/95

reg_asym_dsr_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.131+/-0.114 χ^2/NDF: 56.7/21

Left Out: 0.193+/-0.067 χ^2/NDF:25.9/24

Right Out: 0.176+/-0.107 χ^2/NDF: 52.1/25

Left In: 0.215+/-0.069 χ^2/NDF:55.1/22

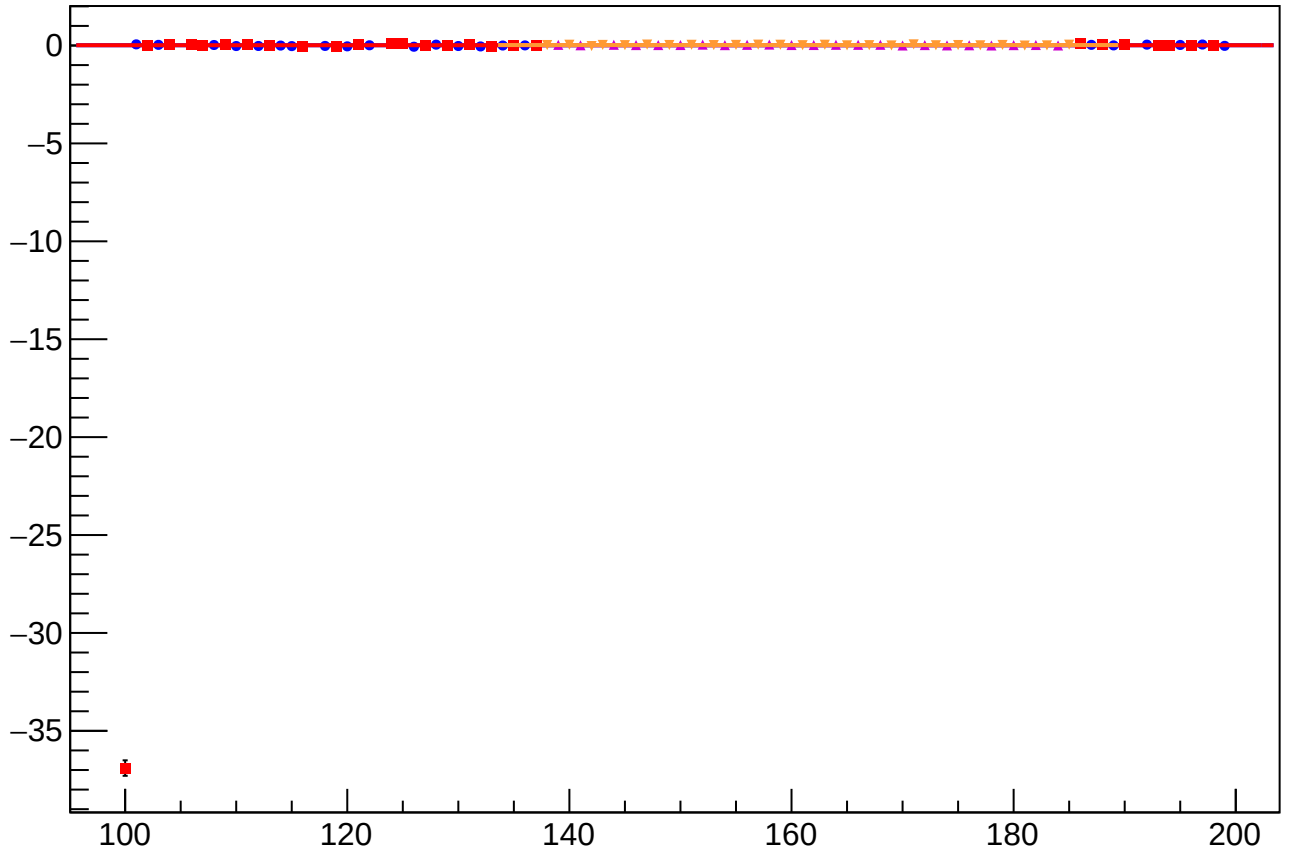
Left: 0.204+/-0.048 χ^2/NDF: 81.0/47

Right: 0.033+/-0.078 χ^2/NDF: 112.7/47

In: 0.122+/-0.059 χ^2/NDF:118.5/44

Out: 0.188+/-0.057 χ^2/NDF:78.0/50

All: 0.157+/-0.041 χ^2/NDF: 197.2/95



Right In: 0.013+/-0.006 χ^2/NDF: 27.7/21

Left Out: 0.024+/-0.003 χ^2/NDF:30.2/24

Right Out: 0.015+/-0.005 χ^2/NDF: 8775.7/25

Left In: 0.024+/-0.003 χ^2/NDF:18.0/22

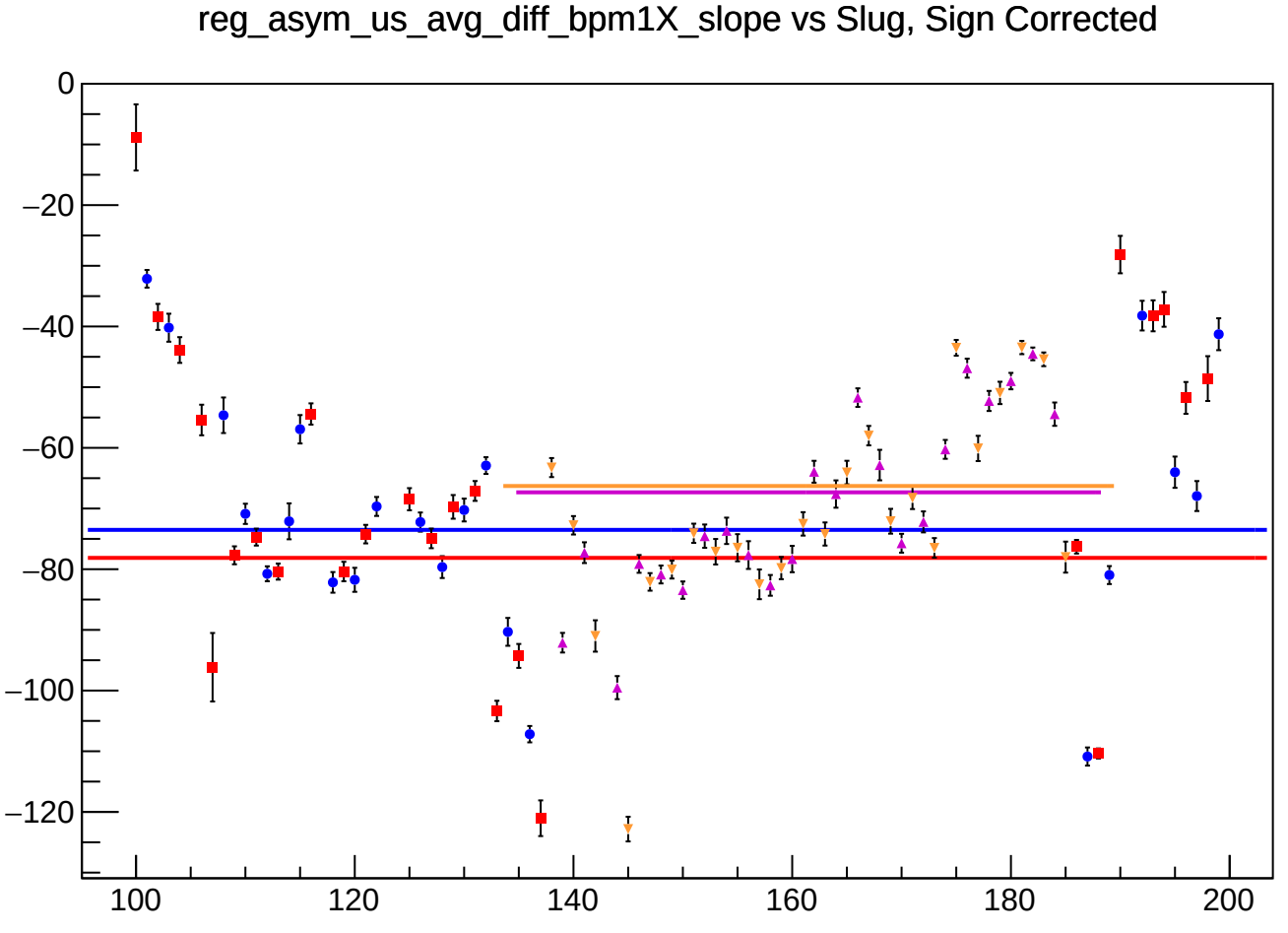
Left: 0.024+/-0.002 χ^2/NDF: 48.2/47

Right: 0.014+/-0.004 χ^2/NDF: 8803.4/47

In: 0.022+/-0.003 χ^2/NDF:48.7/44

Out: 0.022+/-0.003 χ^2/NDF:8808.1/50

All: 0.022+/-0.002 χ^2/NDF: 8856.8/95



Right In: -73.517+/-0.381 χ^2/NDF: 2972.5/21

Left Out: -66.289+/-0.344 χ^2/NDF:2550.4/23

Right Out: -78.135+/-0.348 χ^2/NDF: 4052.9/24

Left In: -67.331+/-0.345 χ^2/NDF:2102.6/22

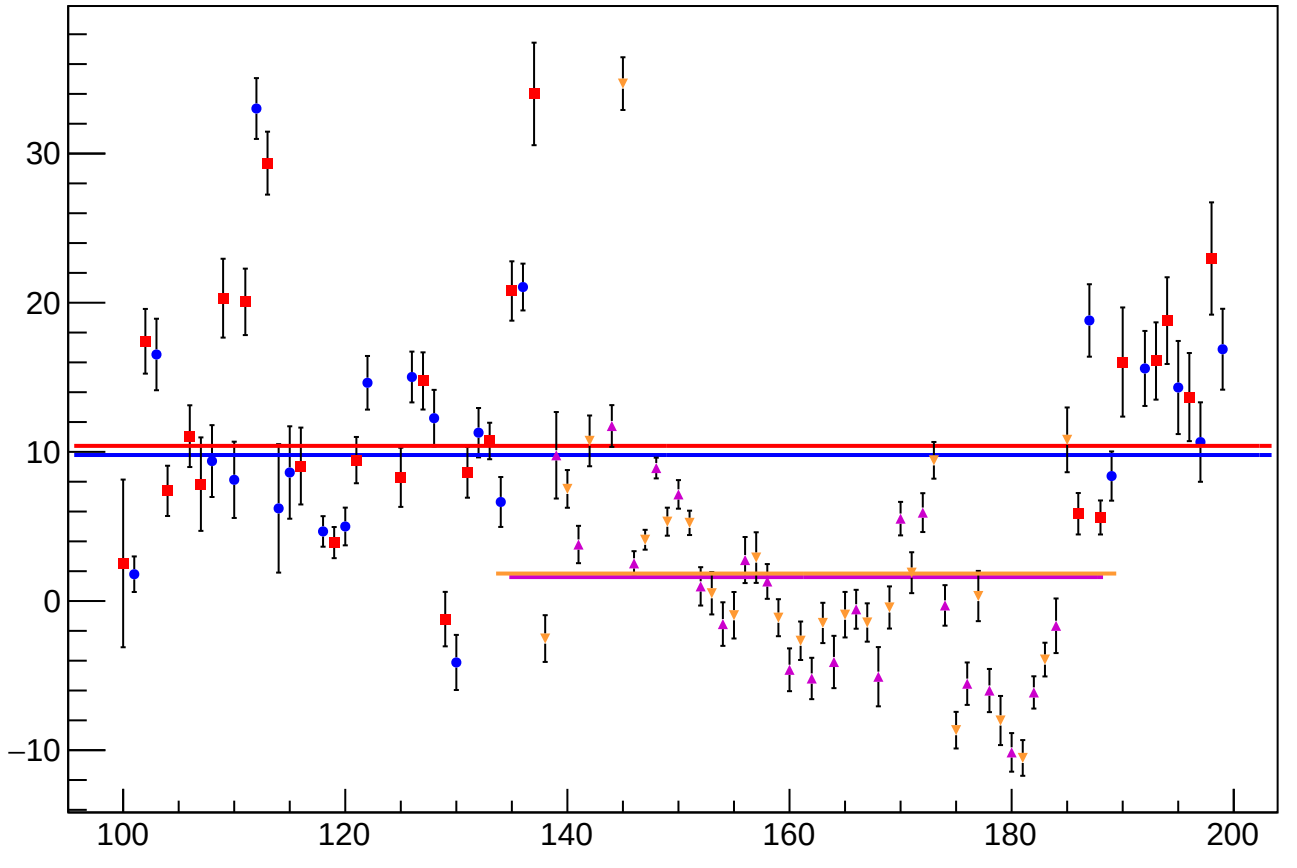
Left: -66.808+/-0.244 χ^2/NDF: 4657.6/46

Right: -76.033+/-0.257 χ^2/NDF: 7105.5/46

In: -70.119+/-0.256 χ^2/NDF:5220.0/44

Out: -72.136+/-0.245 χ^2/NDF:7189.3/48

All: -71.173+/-0.177 χ^2/NDF: 12441.8/93



Right In: 9.789+/-0.389 χ^2/NDF: 383.2/21

Left Out: 1.842+/-0.254 χ^2/NDF:781.5/23

Right Out: 10.402+/-0.379 χ^2/NDF: 347.8/24

Left In: 1.605+/-0.258 χ^2/NDF:496.6/22

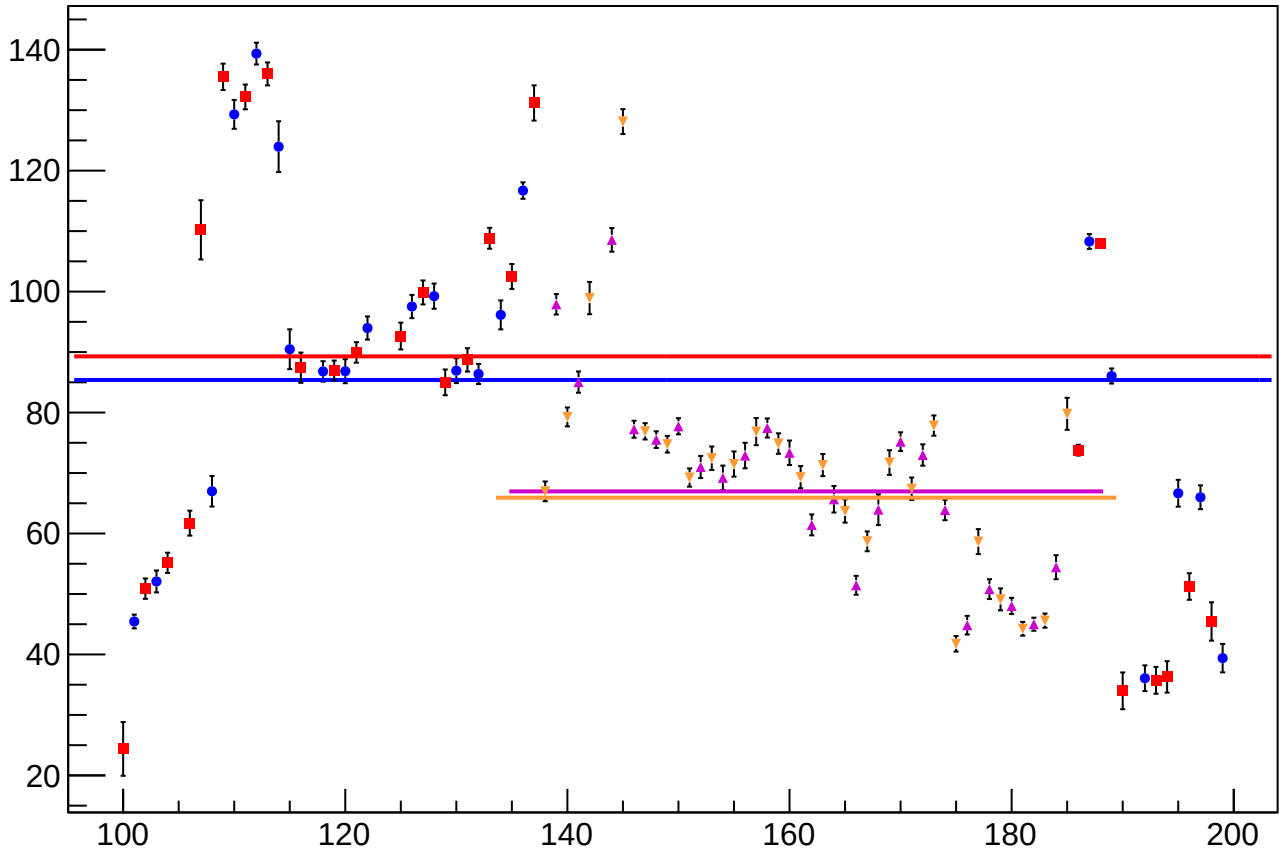
Left: 1.726+/-0.181 χ^2/NDF: 1278.5/46

Right: 10.104+/-0.271 χ^2/NDF: 732.2/46

In: 4.111+/-0.215 χ^2/NDF:1186.9/44

Out: 4.506+/-0.211 χ^2/NDF:1481.4/48

All: 4.312+/-0.151 χ^2/NDF: 2670.0/93



Right In: 85.389+/-0.386 χ^2/NDF: 5031.0/21

Left Out: 65.923+/-0.341 χ^2/NDF:2555.6/23

Right Out: 89.288+/-0.342 χ^2/NDF: 6164.3/24

Left In: 66.964+/-0.341 χ^2/NDF:2221.3/22

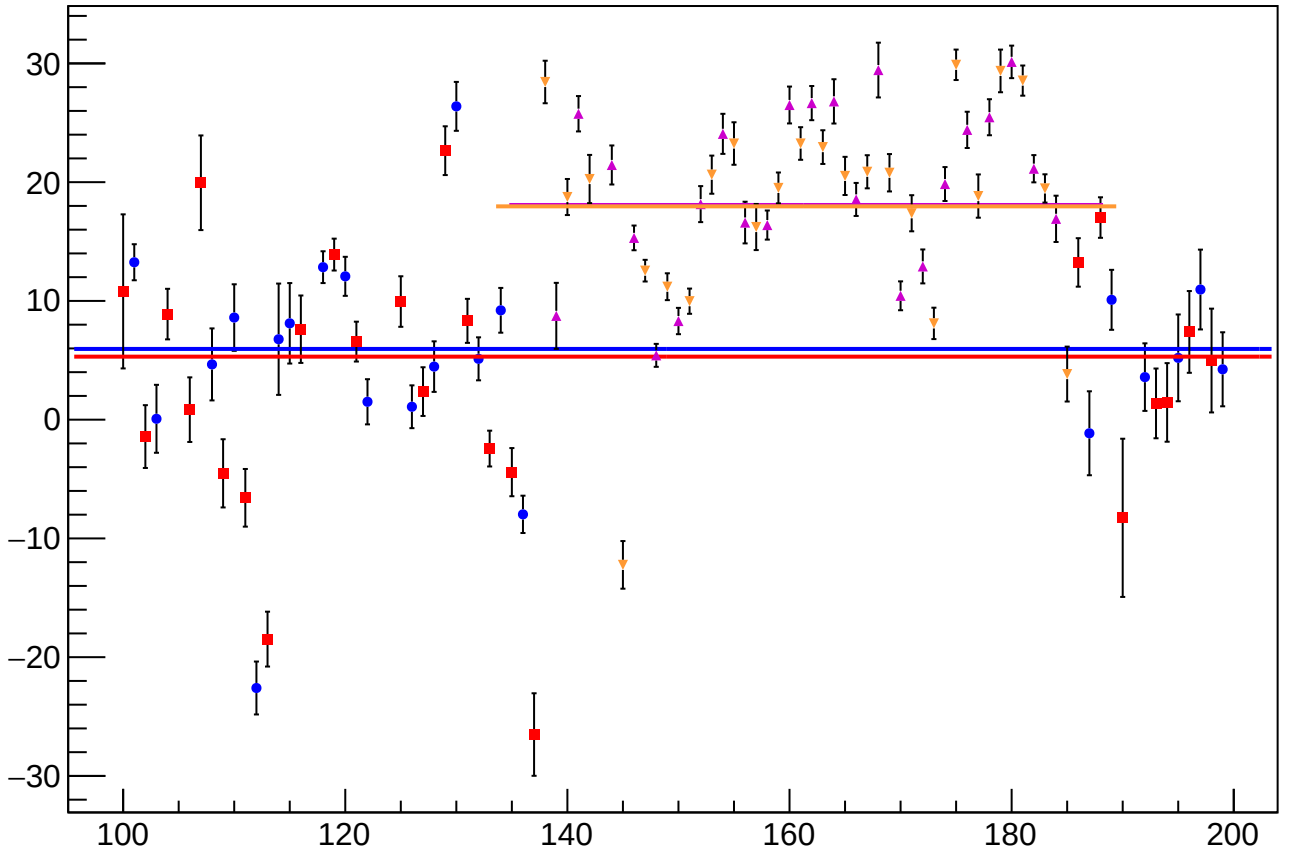
Left: 66.442+/-0.241 χ^2/NDF: 4781.6/46

Right: 87.572+/-0.256 χ^2/NDF: 11252.5/46

In: 75.055+/-0.256 χ^2/NDF:8532.7/44

Out: 77.560+/-0.241 χ^2/NDF:11064.8/48

All: 76.379+/-0.175 χ^2/NDF: 19648.3/93



Right In: 5.957+/-0.461 χ^2/NDF: 436.8/21

Left Out: 17.963+/-0.292 χ^2/NDF:732.1/23

Right Out: 5.308+/-0.456 χ^2/NDF: 494.0/24

Left In: 18.079+/-0.295 χ^2/NDF:605.0/22

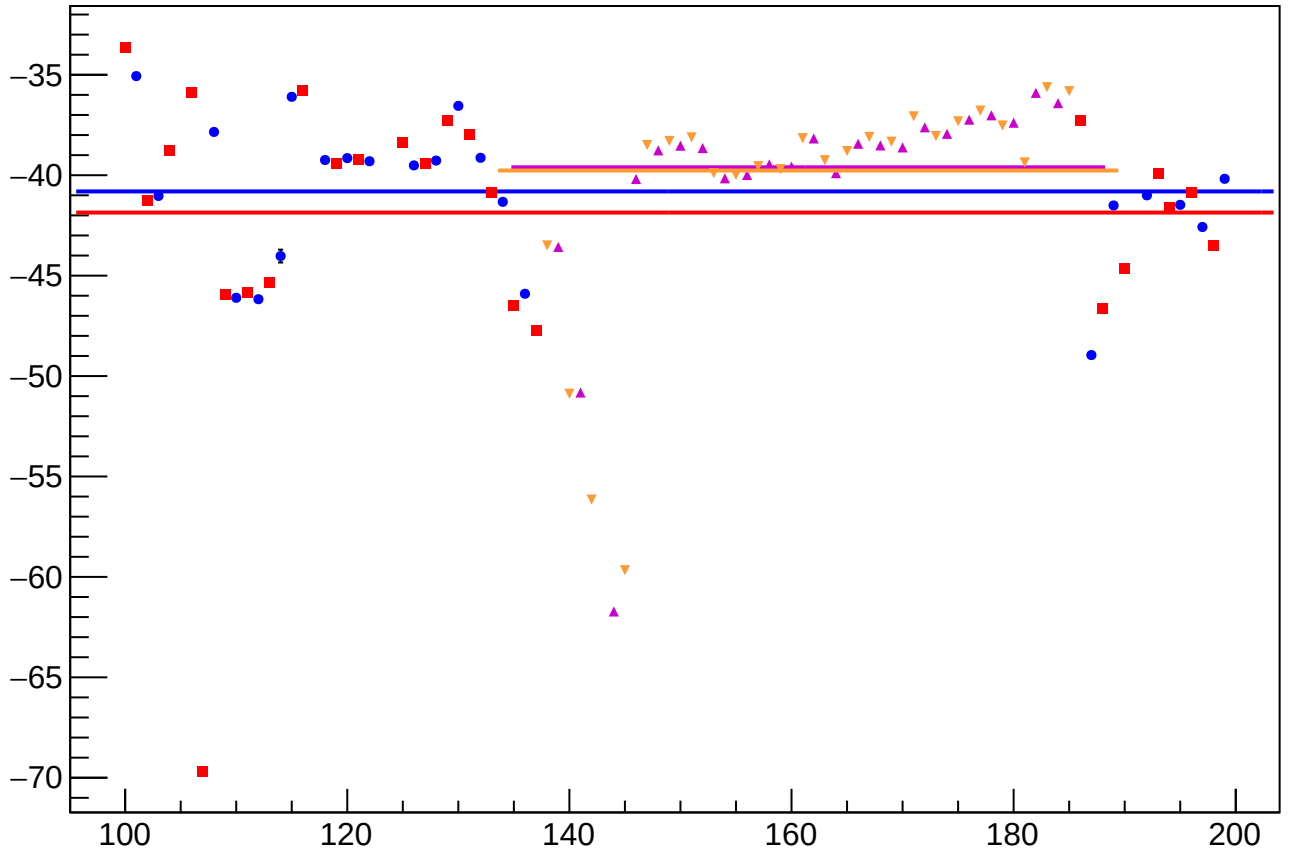
Left: 18.020+/-0.207 χ^2/NDF: 1337.2/46

Right: 5.629+/-0.324 χ^2/NDF: 931.8/46

In: 14.556+/-0.248 χ^2/NDF:1533.1/44

Out: 14.288+/-0.246 χ^2/NDF:1771.7/48

All: 14.421+/-0.175 χ^2/NDF: 3305.4/93



Right In: -40.807+/-0.024 χ^2/NDF: 20318.6/21

Left Out: -39.765+/-0.013 χ^2/NDF:129895.4/23

Right Out: -41.859+/-0.024 χ^2/NDF: 41622.2/24

Left In: -39.606+/-0.013 χ^2/NDF:106639.2/22

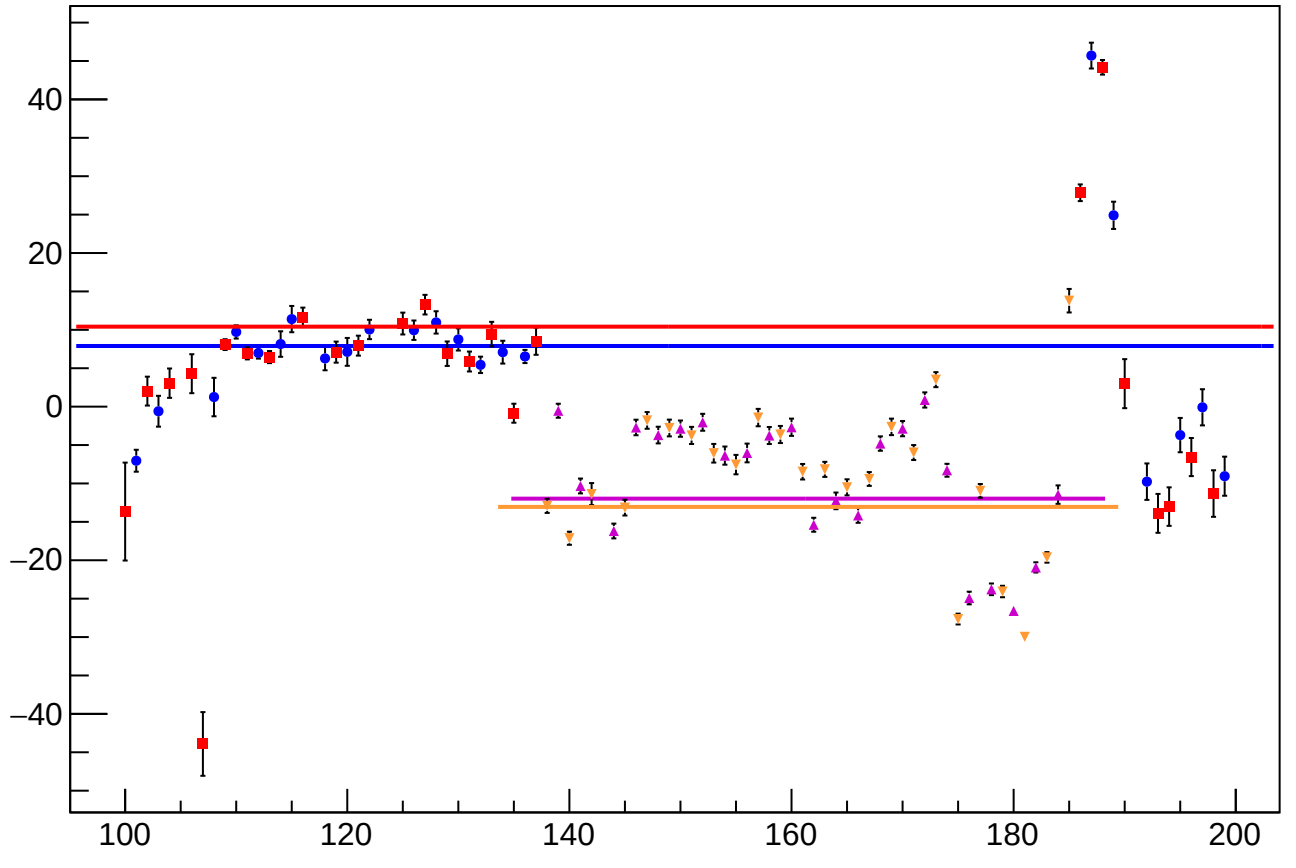
Left: -39.685+/-0.009 χ^2/NDF: 236604.6/46

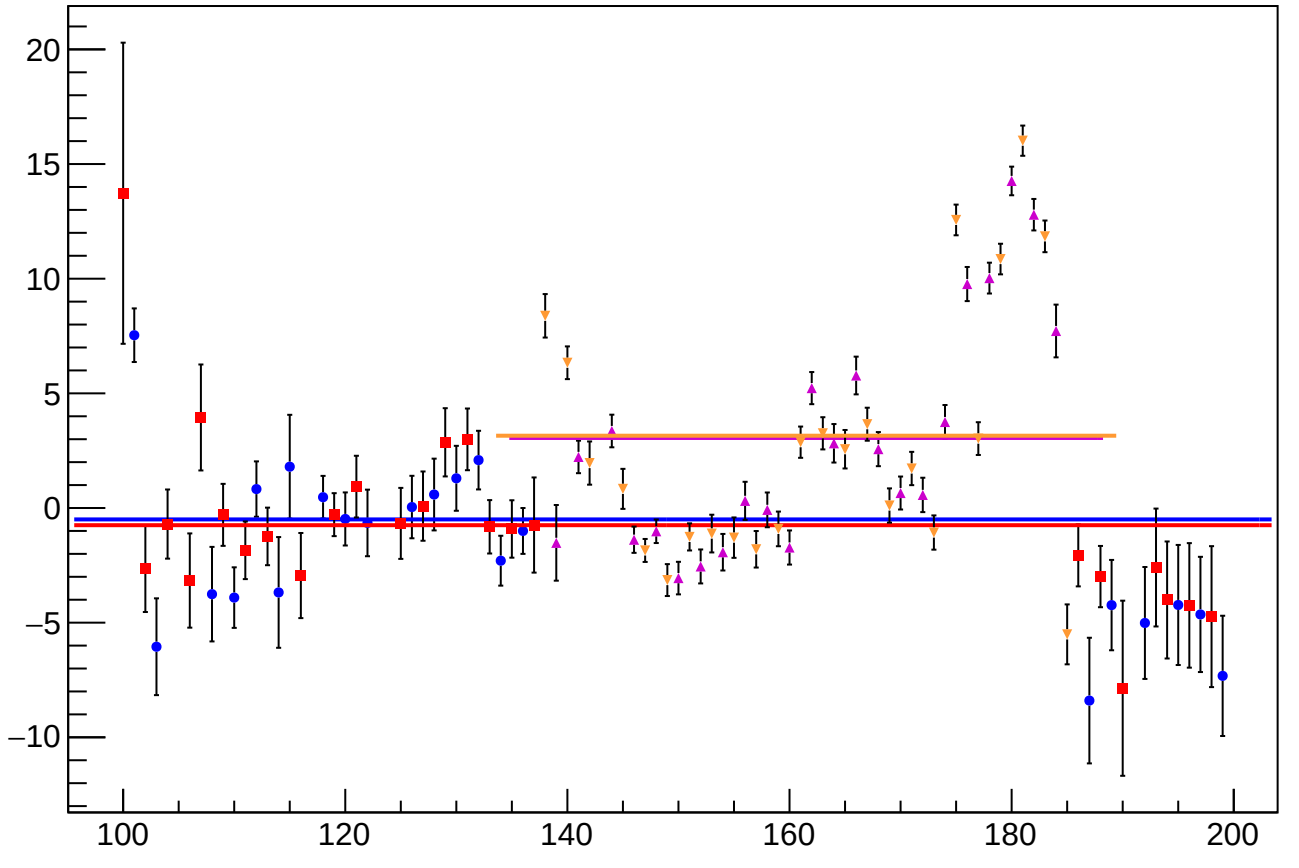
Right: -41.331+/-0.017 χ^2/NDF: 62904.8/46

In: -39.893+/-0.012 χ^2/NDF:128881.0/44

Out: -40.267+/-0.012 χ^2/NDF:177305.6/48

All: -40.078+/-0.008 χ^2/NDF: 306697.3/93


reg_asym_us_dd_diff_bpm1X_slope vs Slug, Sign Corrected
40
20
0
−20
−40
100
120
140
160
180
200
Right In: 7.896+/-0.291 χ²/NDF: 900.3/21
Left Out: -13.054+/-0.193 χ²/NDF:2868.1/23
Right Out: 10.413+/-0.268 χ²/NDF: 2201.4/24
Left In: -11.978+/-0.195 χ²/NDF:2176.6/22
Left: -12.524+/-0.137 χ²/NDF: 5060.1/46
Right: 9.255+/-0.197 χ²/NDF: 3142.2/46
In: -5.787+/-0.162 χ²/NDF:6296.7/44
Out: -5.067+/-0.157 χ²/NDF:10113.8/48
All: -5.414+/-0.113 χ²/NDF: 16420.7/93



Right In: -0.497+/-0.315 χ^2/NDF: 104.6/21

Left Out: 3.153+/-0.149 χ^2/NDF:1385.1/23

Right Out: -0.749+/-0.314 χ^2/NDF: 42.3/24

Left In: 3.055+/-0.152 χ^2/NDF:1145.0/22

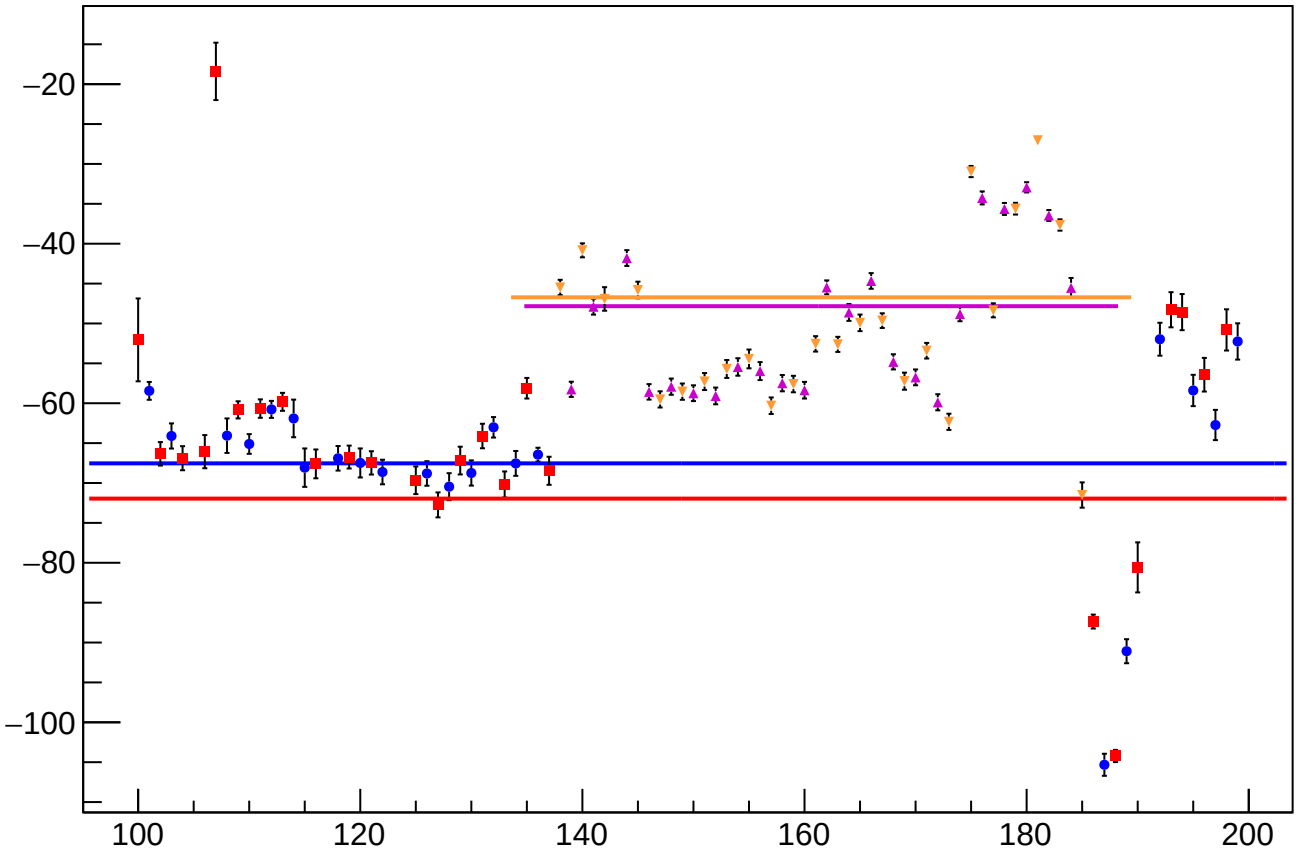
Left: 3.105+/-0.106 χ^2/NDF: 2530.3/46

Right: -0.624+/-0.222 χ^2/NDF: 147.2/46

In: 2.382+/-0.137 χ^2/NDF:1353.0/44

Out: 2.434+/-0.135 χ^2/NDF:1553.5/48

All: 2.409+/-0.096 χ^2/NDF: 2906.6/93



Right In: -67.538+/-0.318 χ^2/NDF: 1264.7/21

Left Out: -46.724+/-0.192 χ^2/NDF:3446.1/23

Right Out: -71.956+/-0.294 χ^2/NDF: 3209.1/24

Left In: -47.835+/-0.194 χ^2/NDF:2557.6/22

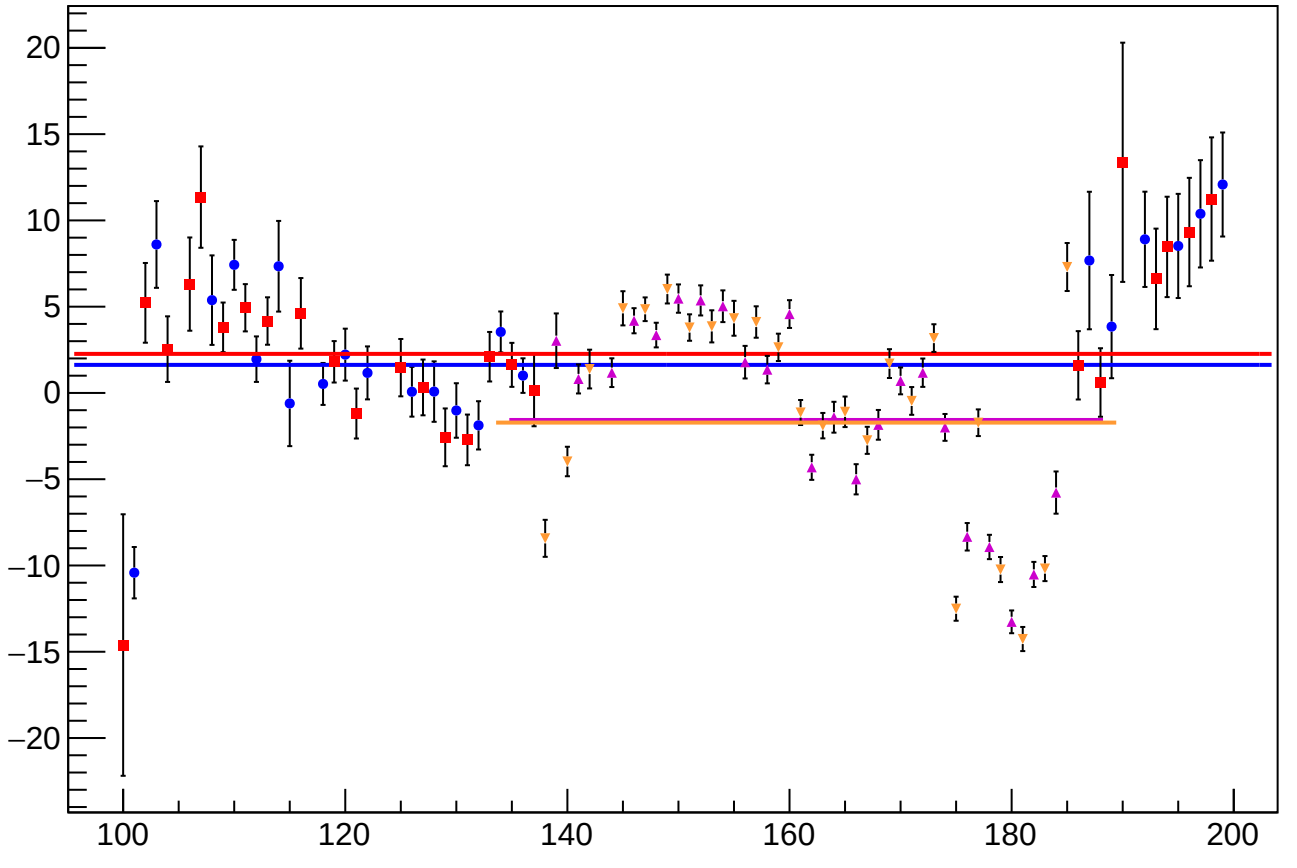
Left: -47.273+/-0.136 χ^2/NDF: 6020.3/46

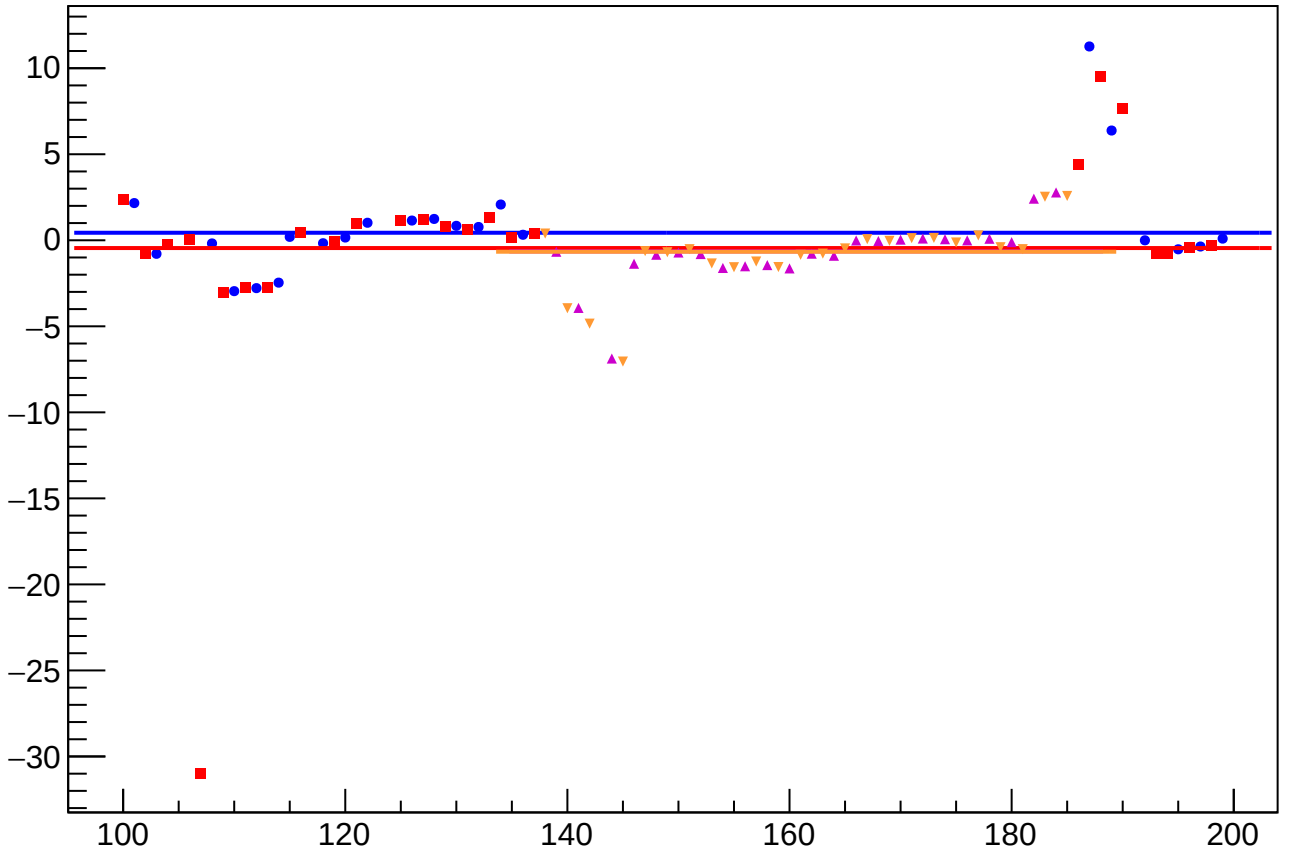
Right: -69.920+/-0.216 χ^2/NDF: 4578.1/46

In: -53.181+/-0.165 χ^2/NDF:6625.5/44

Out: -54.254+/-0.160 χ^2/NDF:11833.9/48

All: -53.735+/-0.115 χ^2/NDF: 18481.0/93


reg_asym_us_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
20
15
10
5
0
−5
−10
−15
−20
100
120
140
160
180
200
Right In: 1.626+/-0.360 χ²/NDF: 146.9/21
Left Out: -1.718+/-0.168 χ²/NDF:1406.1/23
Right Out: 2.264+/-0.364 χ²/NDF: 76.8/24
Left In: -1.567+/-0.171 χ²/NDF:1117.7/22
Left: -1.644+/-0.120 χ²/NDF: 2524.2/46
Right: 1.941+/-0.256 χ²/NDF: 225.3/46
In: -0.981+/-0.154 χ²/NDF:1328.9/44
Out: -1.021+/-0.152 χ²/NDF:1581.4/48
All: -1.001+/-0.108 χ²/NDF: 2910.3/93



Right In: 0.437+/-0.019 χ^2/NDF: 9631.2/21

Left Out: -0.666+/-0.008 χ^2/NDF:55276.7/23

Right Out: -0.452+/-0.019 χ^2/NDF: 59941.1/24

Left In: -0.646+/-0.008 χ^2/NDF:45569.5/22

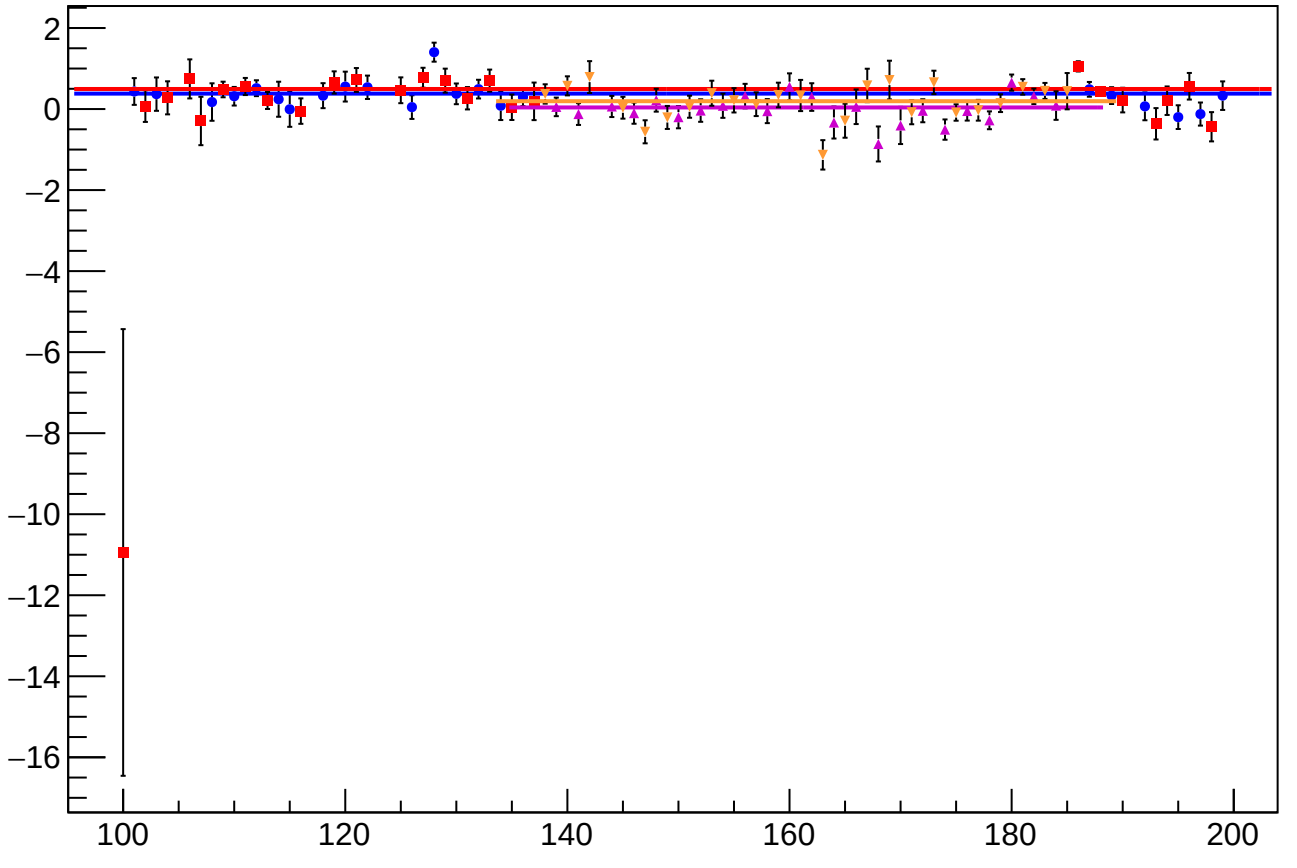
Left: -0.656+/-0.005 χ^2/NDF: 100849.5/46

Right: 0.006+/-0.014 χ^2/NDF: 70651.4/46

In: -0.496+/-0.007 χ^2/NDF:58045.9/44

Out: -0.638+/-0.007 χ^2/NDF:115323.1/48

All: -0.567+/-0.005 χ^2/NDF: 173572.3/93



Right In: 0.381+/-0.059 χ^2/NDF: 32.0/21

Left Out: 0.194+/-0.057 χ^2/NDF:44.2/23

Right Out: 0.495+/-0.050 χ^2/NDF: 52.2/24

Left In: 0.039+/-0.058 χ^2/NDF:30.5/22

Left: 0.118+/-0.040 χ^2/NDF: 78.4/46

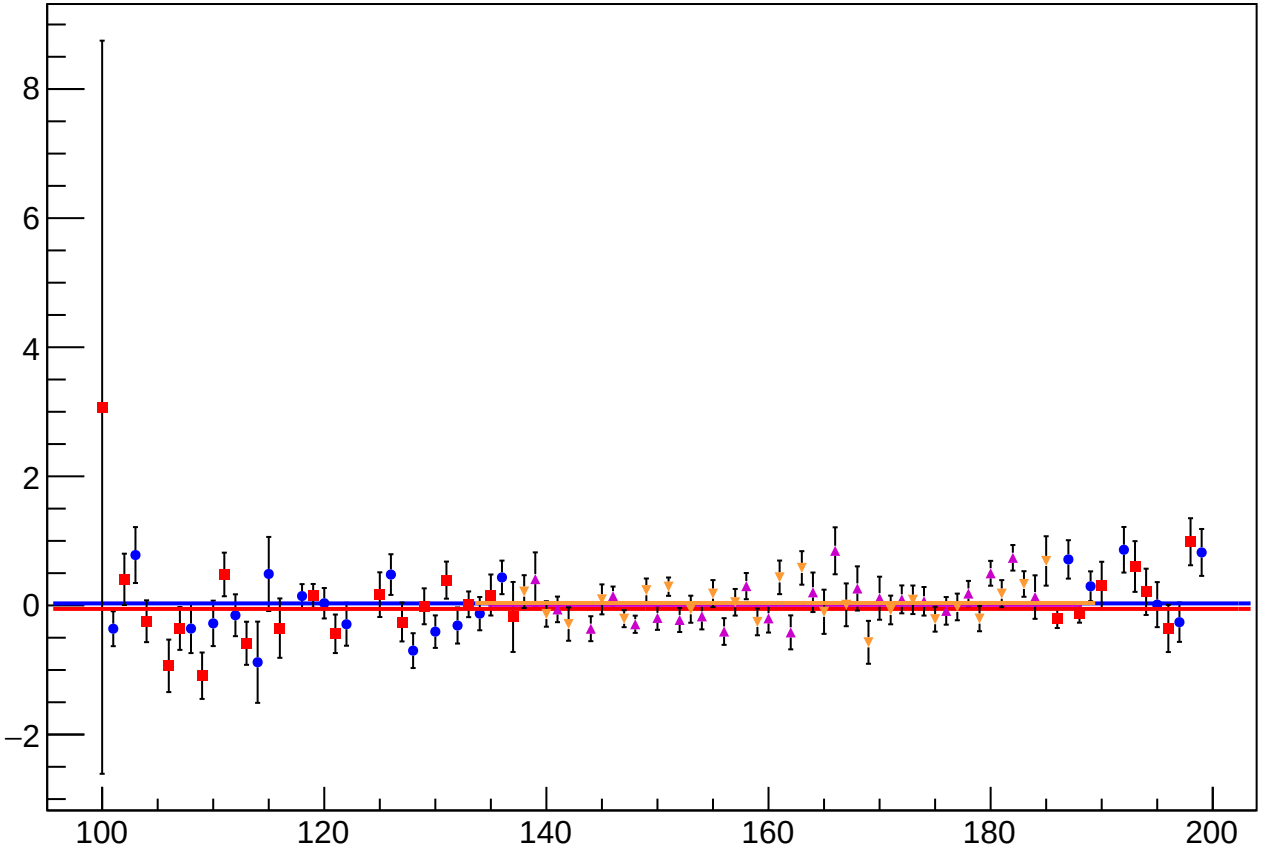
Right: 0.447+/-0.038 χ^2/NDF: 86.4/46

In: 0.207+/-0.041 χ^2/NDF:79.8/44

Out: 0.364+/-0.037 χ^2/NDF:112.3/48

All: 0.293+/-0.028 χ^2/NDF: 200.1/93

reg_asym_ds_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.031+/-0.063 χ^2/NDF: 45.7/21

Left Out: 0.038+/-0.043 χ^2/NDF:32.8/23

Right Out: -0.054+/-0.057 χ^2/NDF: 42.2/24

Left In: 0.008+/-0.044 χ^2/NDF:51.4/22

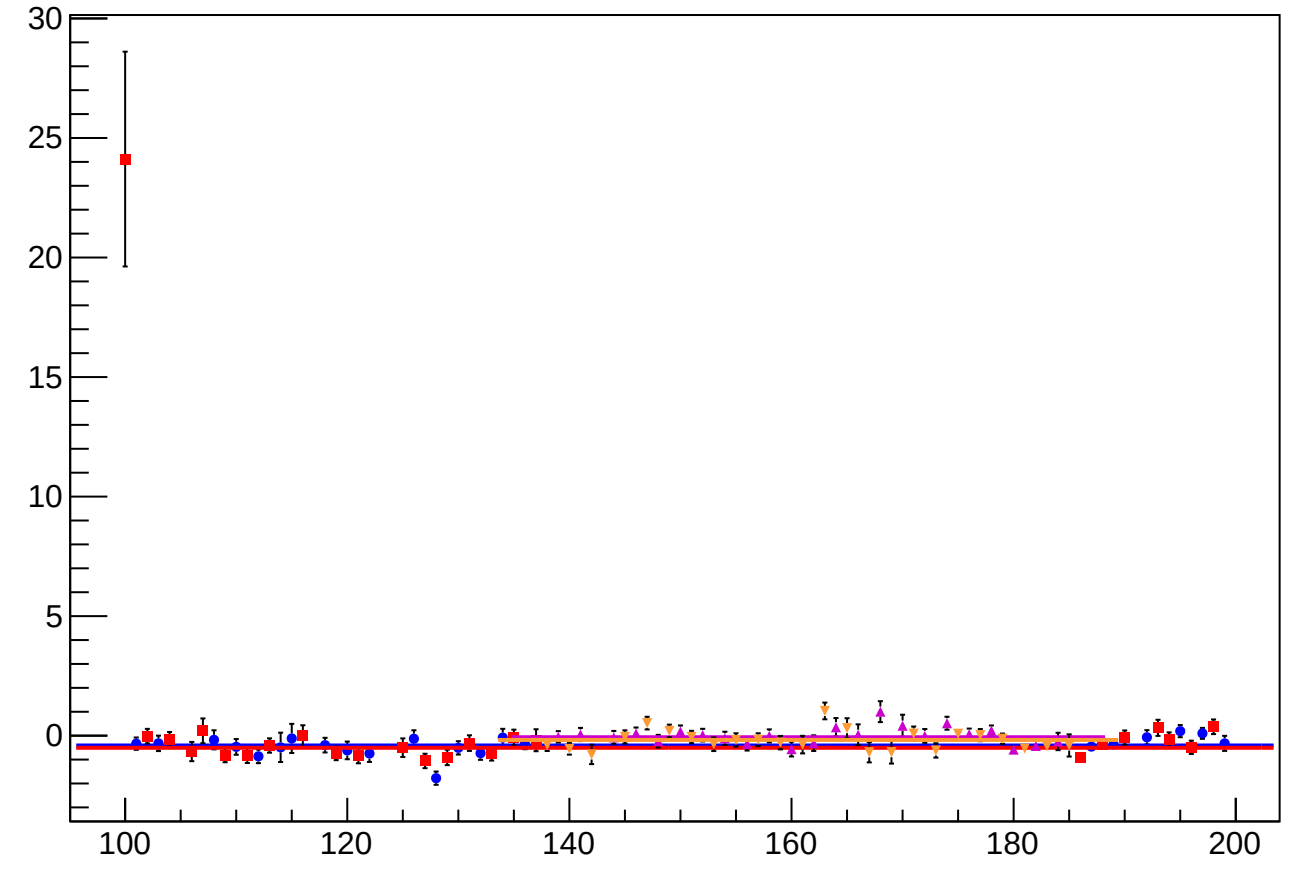
Left: 0.023+/-0.031 χ^2/NDF: 84.4/46

Right: -0.016+/-0.042 χ^2/NDF: 89.0/46

In: 0.016+/-0.036 χ^2/NDF:97.2/44

Out: 0.004+/-0.034 χ^2/NDF:76.7/48

All: 0.010+/-0.025 χ^2/NDF: 173.9/93



Right In: -0.411+/-0.059 χ^2/NDF: 43.8/21

Left Out: -0.178+/-0.056 χ^2/NDF:42.1/23

Right Out: -0.507+/-0.047 χ^2/NDF: 83.4/24

Left In: -0.066+/-0.057 χ^2/NDF:31.4/22

Left: -0.123+/-0.040 χ^2/NDF: 75.5/46

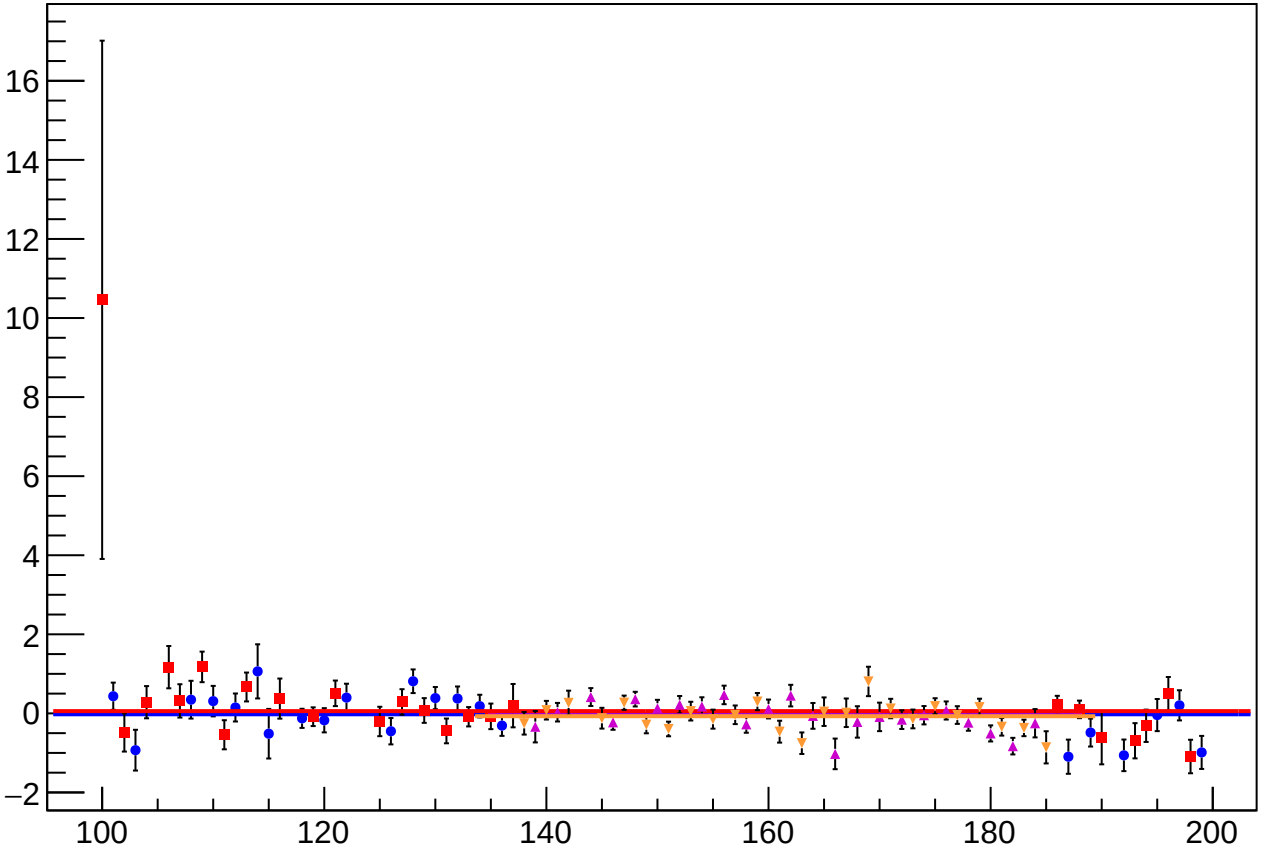
Right: -0.469+/-0.037 χ^2/NDF: 128.9/46

In: -0.233+/-0.041 χ^2/NDF:93.1/44

Out: -0.371+/-0.036 χ^2/NDF:145.6/48

All: -0.310+/-0.027 χ^2/NDF: 245.0/93

reg_asym_ds_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.023+/-0.074 χ^2/NDF: 46.7/21

Left Out: -0.072+/-0.049 χ^2/NDF:37.7/23

Right Out: 0.057+/-0.070 χ^2/NDF: 43.0/24

Left In: -0.047+/-0.050 χ^2/NDF:50.5/22

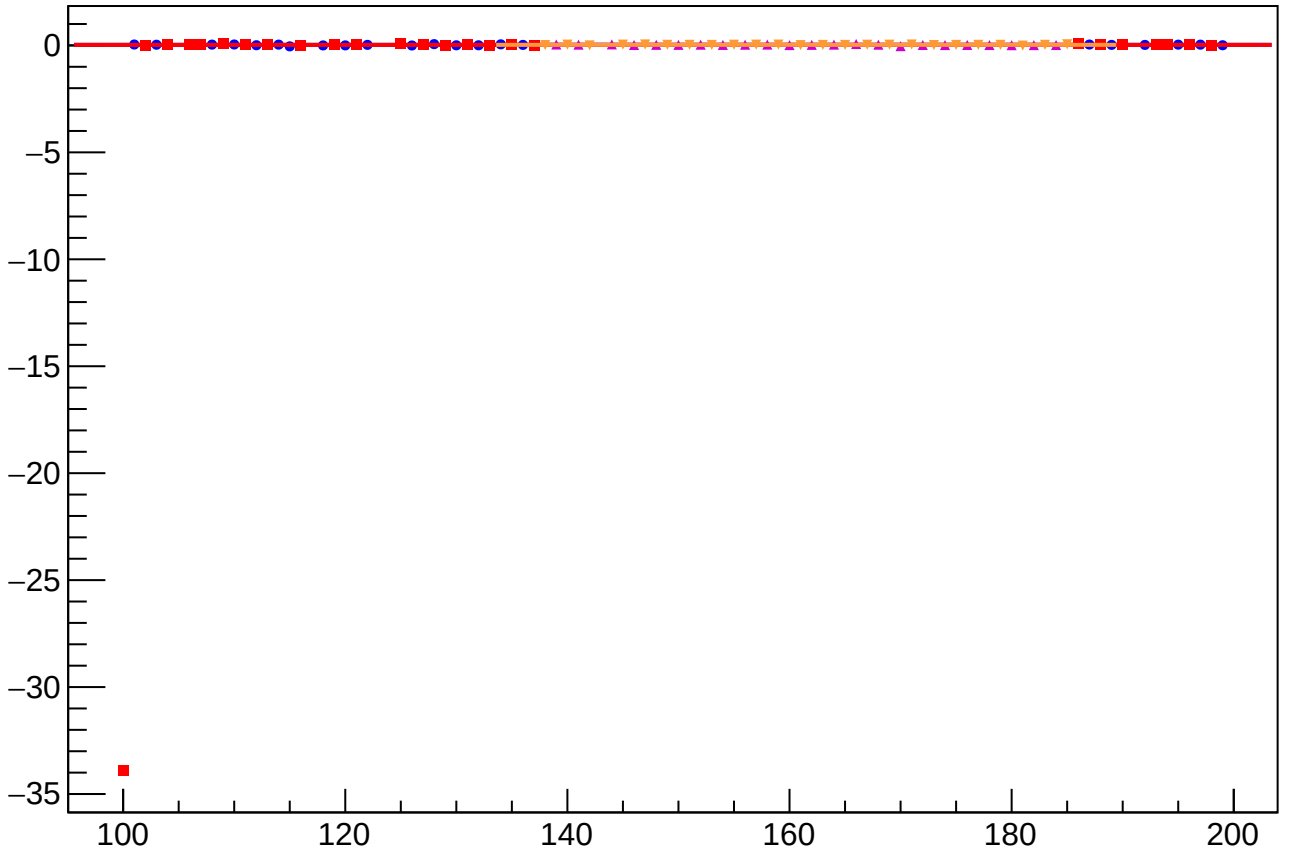
Left: -0.060+/-0.035 χ^2/NDF: 88.3/46

Right: 0.020+/-0.051 χ^2/NDF: 90.4/46

In: -0.040+/-0.042 χ^2/NDF:97.3/44

Out: -0.029+/-0.040 χ^2/NDF:83.0/48

All: -0.034+/-0.029 χ^2/NDF: 180.3/93



Right In: 0.027+/-0.004 χ^2/NDF: 18.6/21

Left Out: 0.026+/-0.002 χ^2/NDF:31.4/23

Right Out: 0.024+/-0.004 χ^2/NDF: 22306.4/24

Left In: 0.026+/-0.002 χ^2/NDF:39.5/22

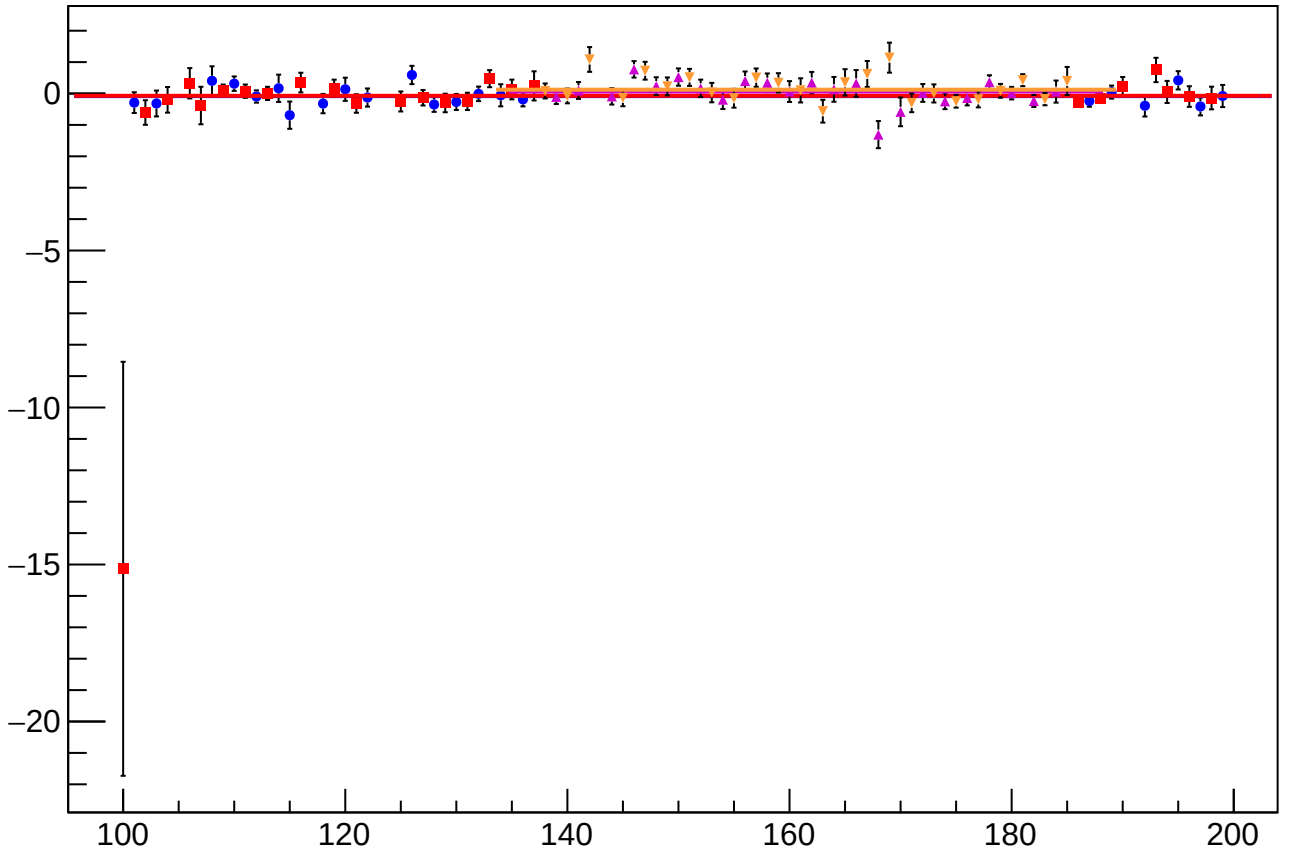
Left: 0.026+/-0.002 χ^2/NDF: 70.9/46

Right: 0.025+/-0.003 χ^2/NDF: 22325.3/46

In: 0.026+/-0.002 χ^2/NDF:58.1/44

Out: 0.026+/-0.002 χ^2/NDF:22338.2/48

All: 0.026+/-0.001 χ^2/NDF: 22396.3/93



Right In: -0.083+/-0.059 χ^2/NDF: 21.8/21

Left Out: 0.122+/-0.057 χ^2/NDF:39.6/23

Right Out: -0.073+/-0.050 χ^2/NDF: 28.5/24

Left In: 0.063+/-0.058 χ^2/NDF:34.2/22

Left: 0.093+/-0.040 χ^2/NDF: 74.4/46

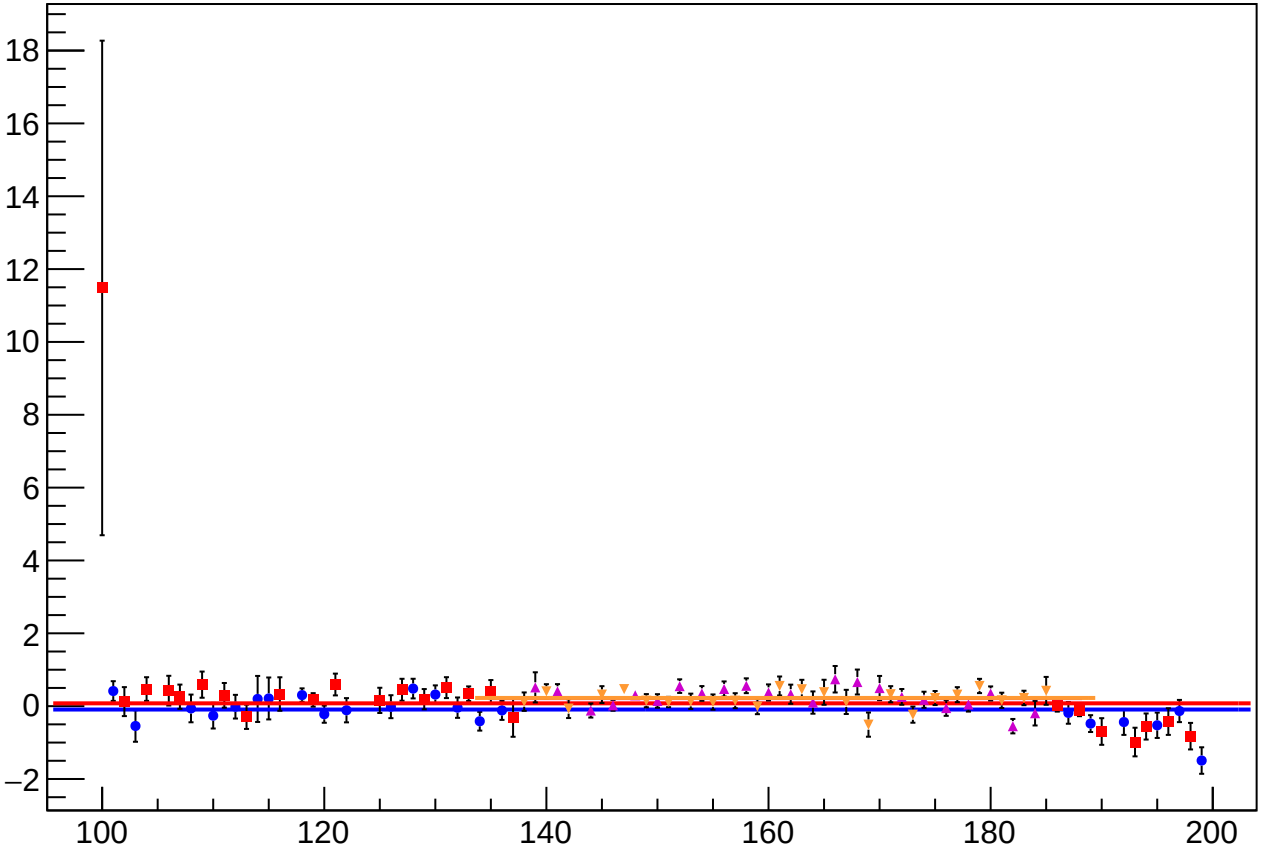
Right: -0.077+/-0.038 χ^2/NDF: 50.3/46

In: -0.008+/-0.041 χ^2/NDF:59.2/44

Out: 0.012+/-0.037 χ^2/NDF:74.8/48

All: 0.003+/-0.028 χ^2/NDF: 134.1/93

reg_asym_ds_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.093+/-0.063 χ^2/NDF: 39.4/21

Left Out: 0.225+/-0.043 χ^2/NDF:24.1/23

Right Out: 0.077+/-0.057 χ^2/NDF: 44.9/24

Left In: 0.221+/-0.044 χ^2/NDF:39.3/22

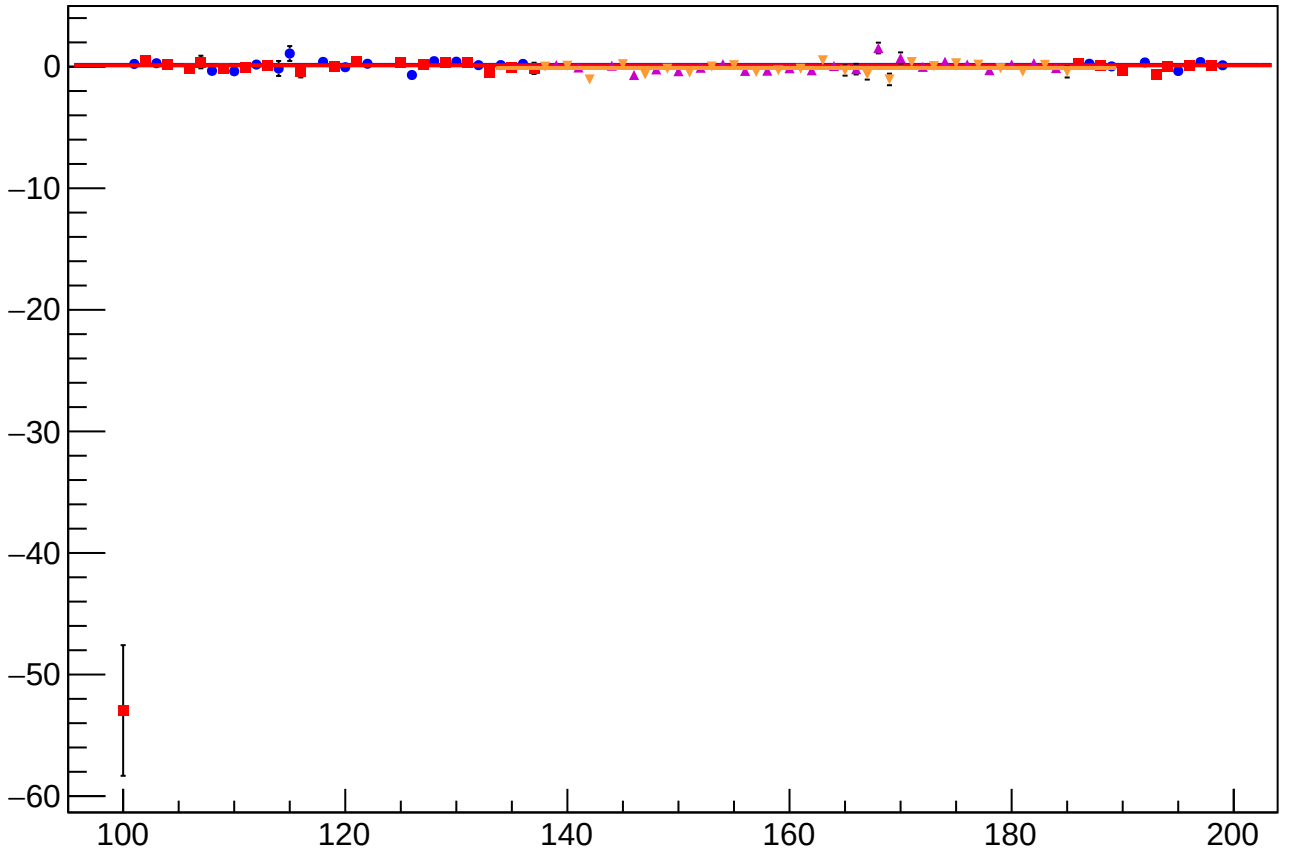
Left: 0.223+/-0.031 χ^2/NDF: 63.4/46

Right: 0.001+/-0.042 χ^2/NDF: 88.3/46

In: 0.117+/-0.036 χ^2/NDF:95.4/44

Out: 0.171+/-0.034 χ^2/NDF:73.2/48

All: 0.146+/-0.025 χ^2/NDF: 169.8/93



Right In: 0.147+/-0.059 χ^2/NDF: 21.9/21

Left Out: -0.105+/-0.056 χ^2/NDF:37.6/23

Right Out: 0.112+/-0.047 χ^2/NDF: 118.4/24

Left In: -0.009+/-0.057 χ^2/NDF:38.0/22

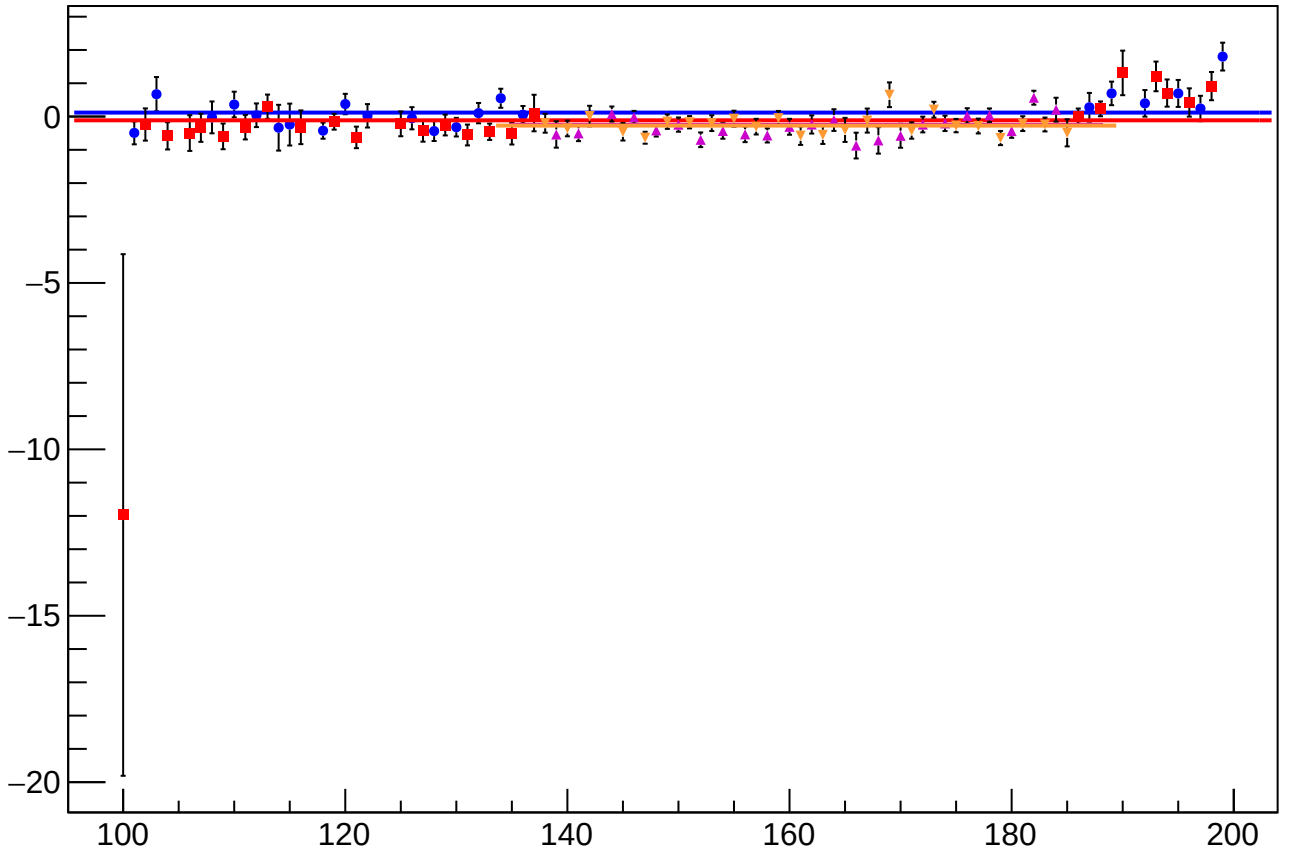
Left: -0.058+/-0.040 χ^2/NDF: 77.0/46

Right: 0.126+/-0.037 χ^2/NDF: 140.5/46

In: 0.067+/-0.041 χ^2/NDF:63.6/44

Out: 0.022+/-0.036 χ^2/NDF:164.7/48

All: 0.042+/-0.027 χ^2/NDF: 228.9/93



Right In: 0.119+/-0.074 χ^2/NDF: 41.5/21

Left Out: -0.272+/-0.049 χ^2/NDF:24.8/23

Right Out: -0.114+/-0.070 χ^2/NDF: 44.7/24

Left In: -0.254+/-0.050 χ^2/NDF:40.6/22

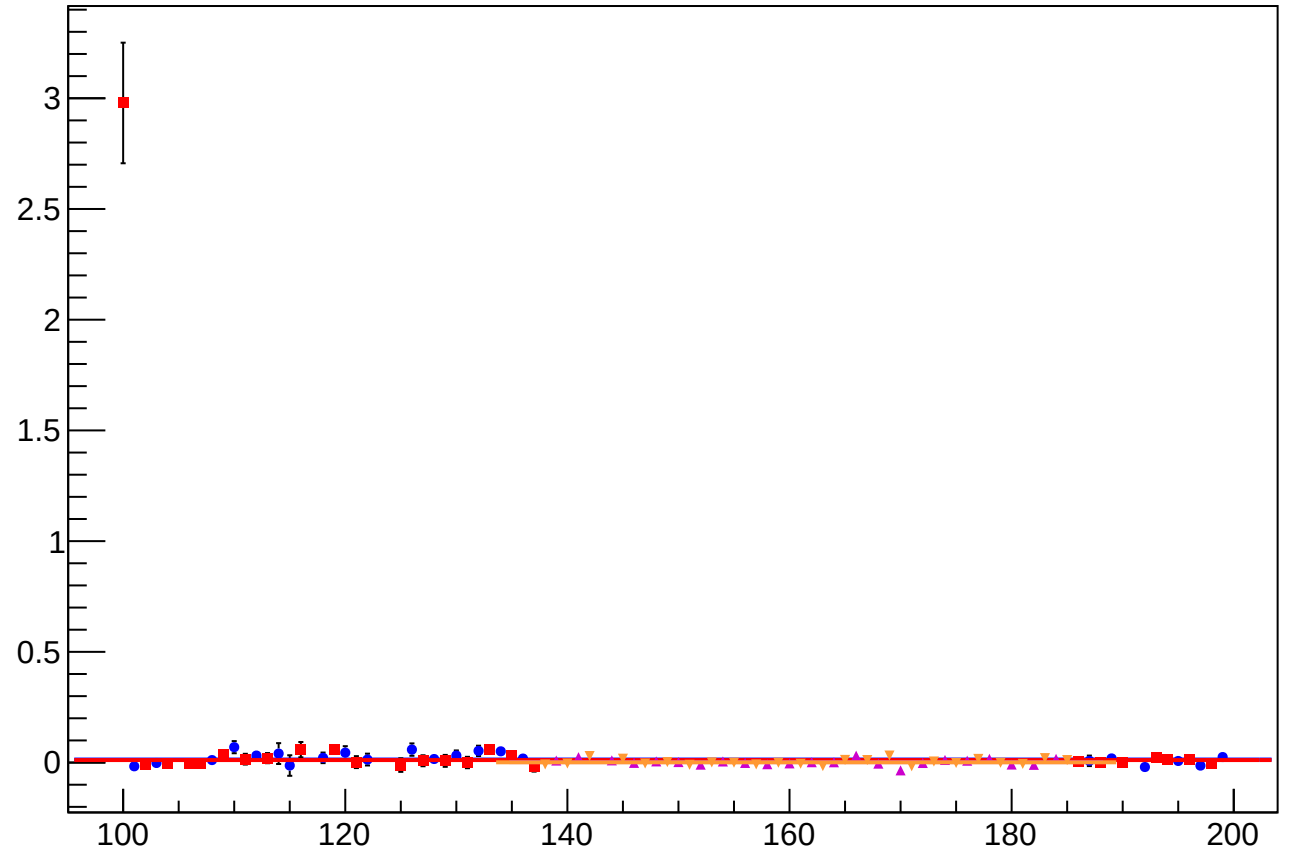
Left: -0.263+/-0.035 χ^2/NDF: 65.5/46

Right: -0.004+/-0.051 χ^2/NDF: 91.3/46

In: -0.137+/-0.042 χ^2/NDF:99.3/44

Out: -0.220+/-0.040 χ^2/NDF:72.9/48

All: -0.180+/-0.029 χ^2/NDF: 174.2/93



Right In: 0.014+/-0.004 χ^2/NDF: 37.9/21

Left Out: 0.001+/-0.002 χ^2/NDF:26.7/23

Right Out: 0.011+/-0.004 χ^2/NDF: 145.2/24

Left In: 0.002+/-0.002 χ^2/NDF:24.6/22

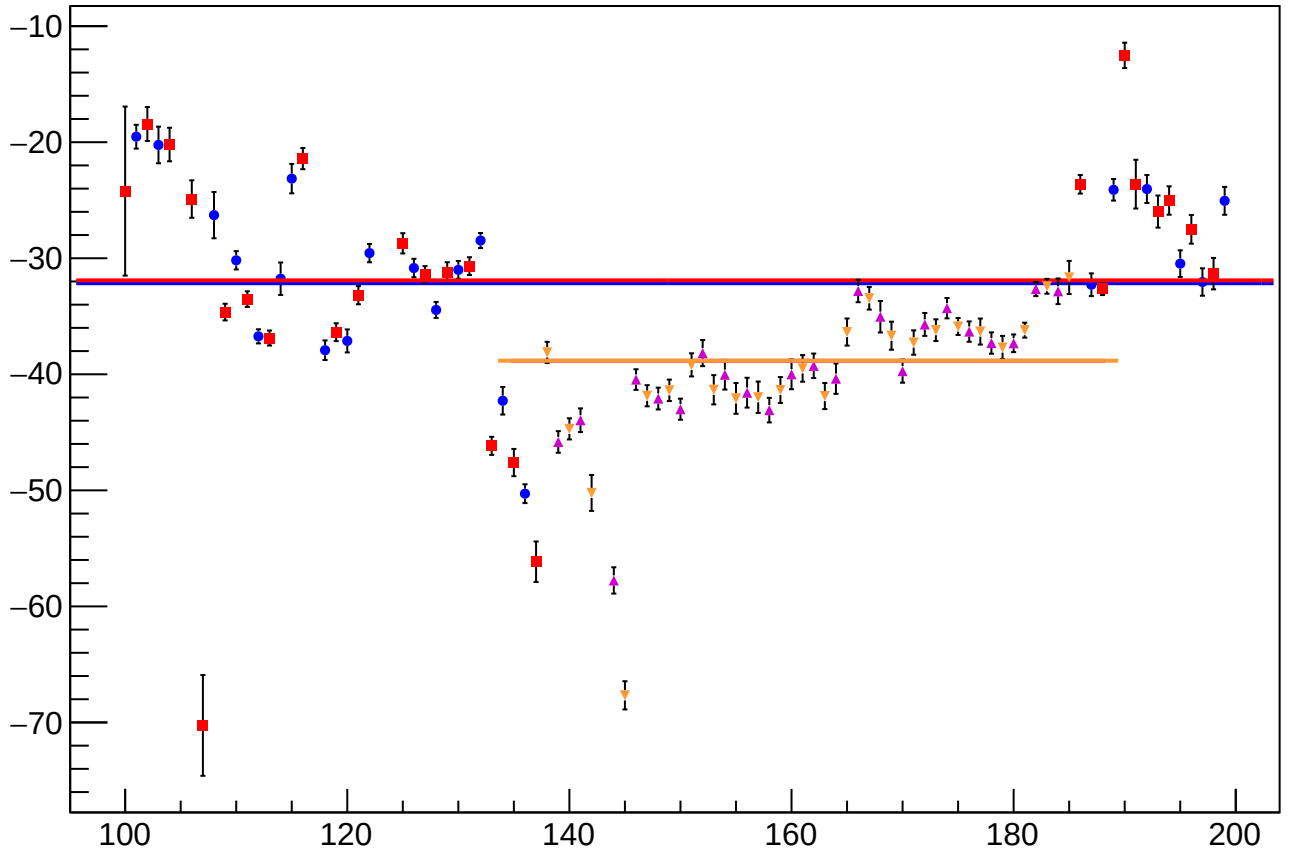
Left: 0.002+/-0.002 χ^2/NDF: 51.5/46

Right: 0.012+/-0.003 χ^2/NDF: 183.3/46

In: 0.005+/-0.002 χ^2/NDF:69.5/44

Out: 0.004+/-0.002 χ^2/NDF:177.8/48

All: 0.005+/-0.001 χ^2/NDF: 247.5/93



Right In: -32.150+/-0.196 χ^2/NDF: 1192.0/21

Left Out: -38.829+/-0.202 χ^2/NDF:917.0/23

Right Out: -31.909+/-0.183 χ^2/NDF: 1720.7/25

Left In: -38.837+/-0.203 χ^2/NDF:653.4/22

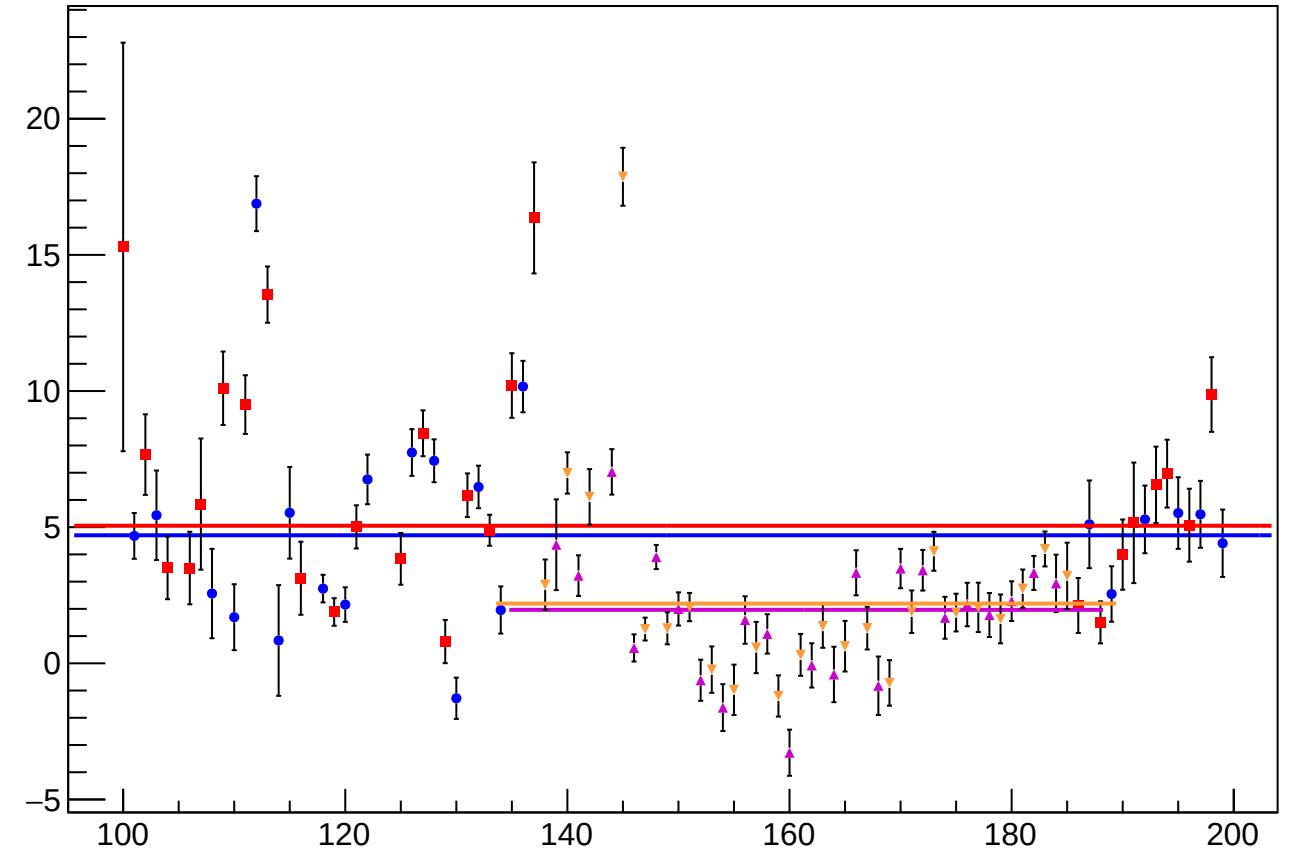
Left: -38.833+/-0.143 χ^2/NDF: 1570.4/46

Right: -32.021+/-0.134 χ^2/NDF: 2913.5/47

In: -35.366+/-0.141 χ^2/NDF:2406.5/44

Out: -35.021+/-0.135 χ^2/NDF:3283.3/49

All: -35.186+/-0.098 χ^2/NDF: 5692.9/94



Right In: 4.702+/-0.201 χ^2/NDF: 335.2/21

Left Out: 2.195+/-0.152 χ^2/NDF:365.1/23

Right Out: 5.052+/-0.197 χ^2/NDF: 292.3/25

Left In: 1.964+/-0.155 χ^2/NDF:173.2/22

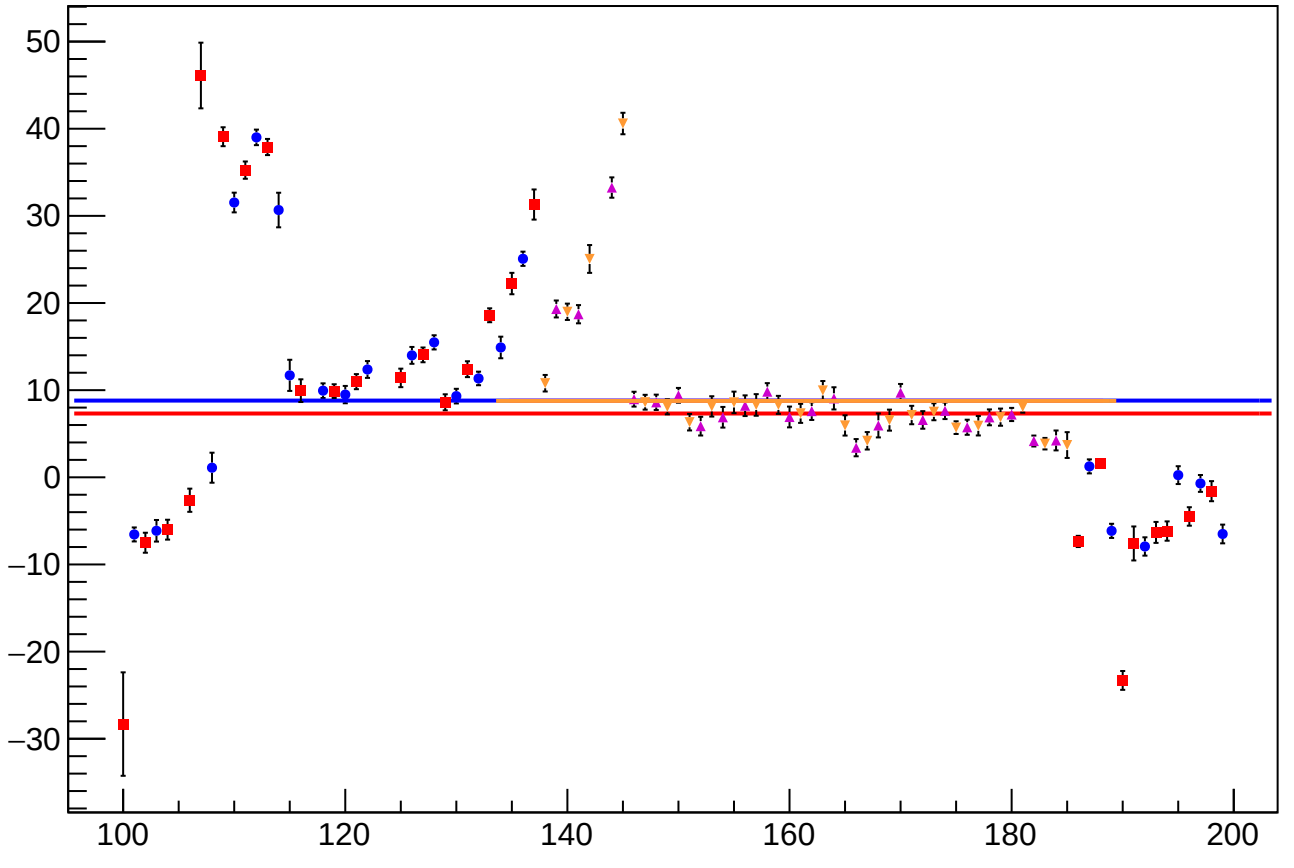
Left: 2.081+/-0.109 χ^2/NDF: 539.4/46

Right: 4.881+/-0.141 χ^2/NDF: 629.0/47

In: 2.982+/-0.123 χ^2/NDF:624.8/44

Out: 3.262+/-0.120 χ^2/NDF:789.1/49

All: 3.125+/-0.086 χ^2/NDF: 1416.6/94



Right In: 8.804+/-0.207 χ^2/NDF: 3799.7/21

Left Out: 8.766+/-0.200 χ^2/NDF:1035.4/23

Right Out: 7.320+/-0.190 χ^2/NDF: 5934.0/25

Left In: 8.773+/-0.201 χ^2/NDF:795.1/22

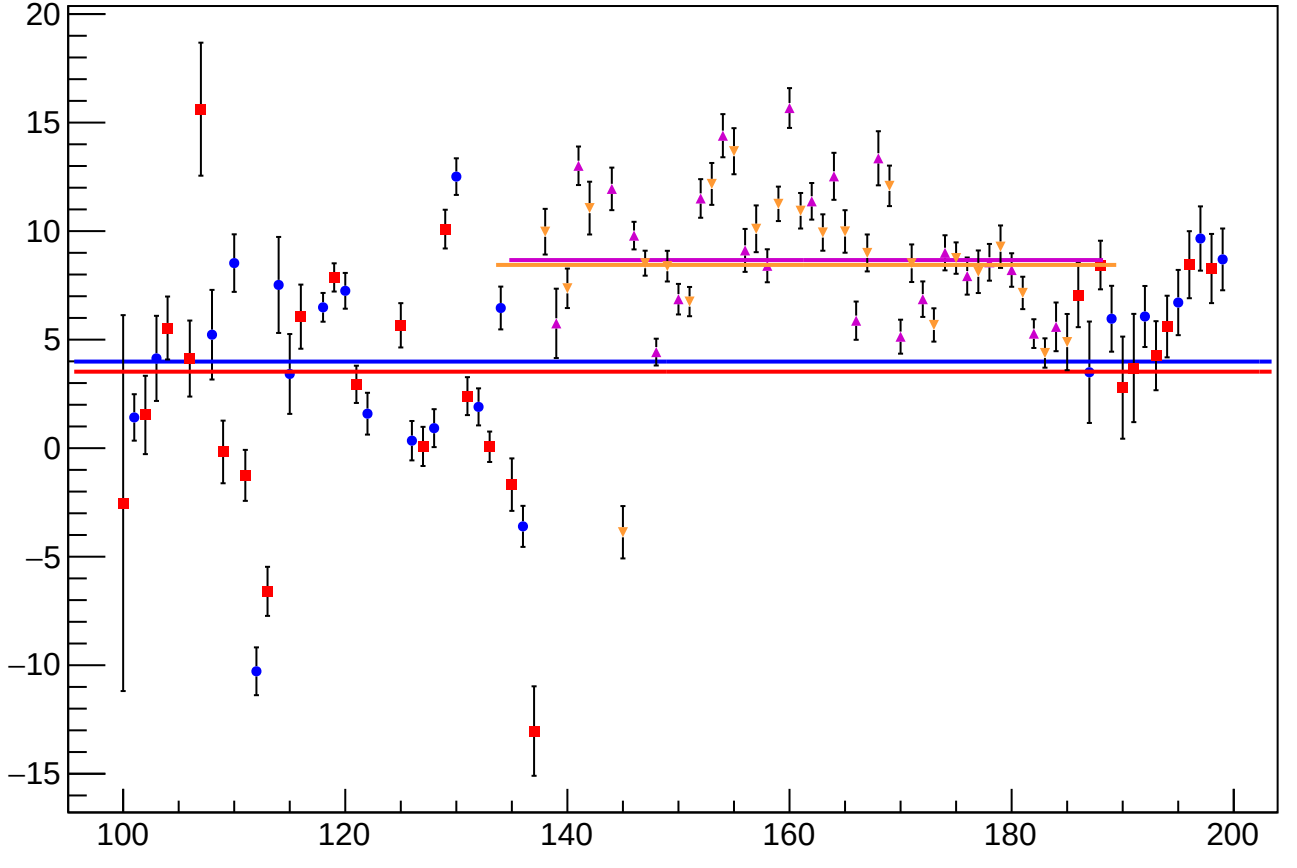
Left: 8.769+/-0.142 χ^2/NDF: 1830.5/46

Right: 7.998+/-0.140 χ^2/NDF: 9761.6/47

In: 8.788+/-0.144 χ^2/NDF:4594.8/44

Out: 8.004+/-0.138 χ^2/NDF:6996.8/49

All: 8.378+/-0.100 χ^2/NDF: 11607.0/94



Right In: 3.990+/-0.235 χ^2/NDF: 464.5/21

Left Out: 8.442+/-0.174 χ^2/NDF:264.2/23

Right Out: 3.524+/-0.233 χ^2/NDF: 399.3/25

Left In: 8.666+/-0.176 χ^2/NDF:304.8/22

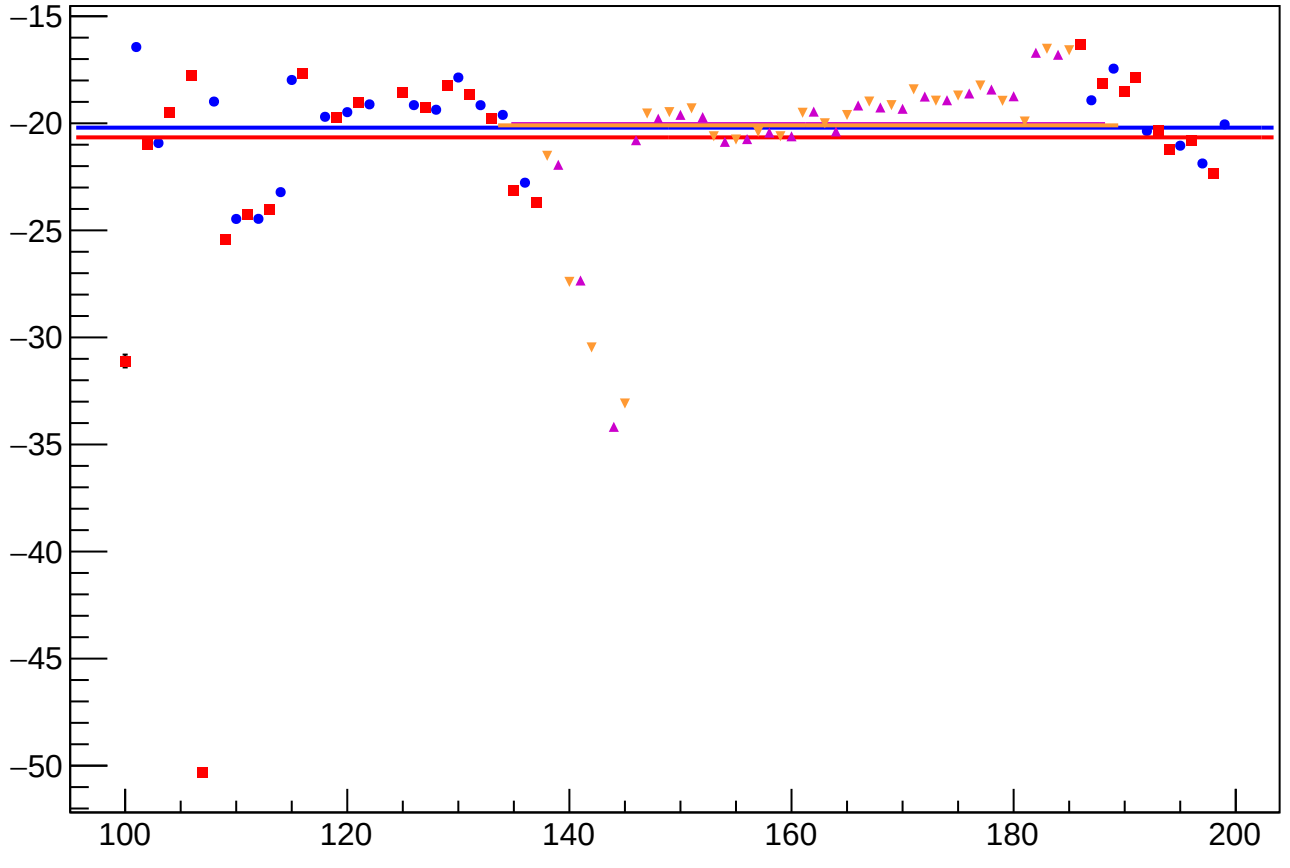
Left: 8.553+/-0.123 χ^2/NDF: 569.8/46

Right: 3.755+/-0.166 χ^2/NDF: 865.8/47

In: 6.993+/-0.141 χ^2/NDF:1022.9/44

Out: 6.688+/-0.139 χ^2/NDF:950.0/49

All: 6.839+/-0.099 χ^2/NDF: 1975.3/94



Right In: -20.203+/-0.013 χ^2/NDF: 23758.9/21

Left Out: -20.096+/-0.008 χ^2/NDF:159293.0/23

Right Out: -20.657+/-0.012 χ^2/NDF: 66204.1/25

Left In: -20.037+/-0.008 χ^2/NDF:132291.6/22

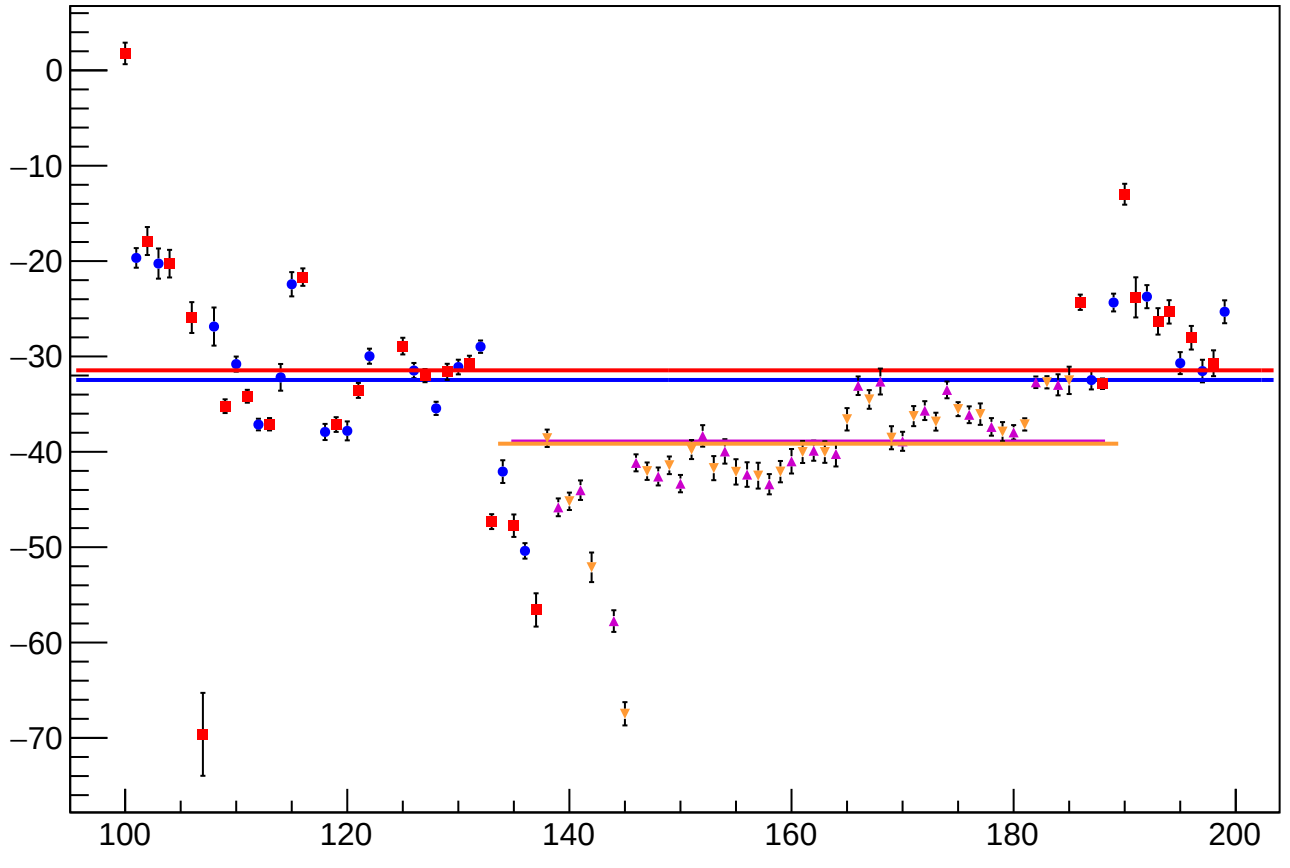
Left: -20.067+/-0.006 χ^2/NDF: 291612.1/46

Right: -20.433+/-0.009 χ^2/NDF: 90618.8/47

In: -20.084+/-0.007 χ^2/NDF:156175.1/44

Out: -20.258+/-0.007 χ^2/NDF:226943.5/49

All: -20.171+/-0.005 χ^2/NDF: 383454.7/94



Right In: -32.466+/-0.196 χ^2/NDF: 1198.7/21

Left Out: -39.148+/-0.202 χ^2/NDF:898.8/23

Right Out: -31.456+/-0.181 χ^2/NDF: 2648.1/25

Left In: -38.921+/-0.204 χ^2/NDF:684.4/22

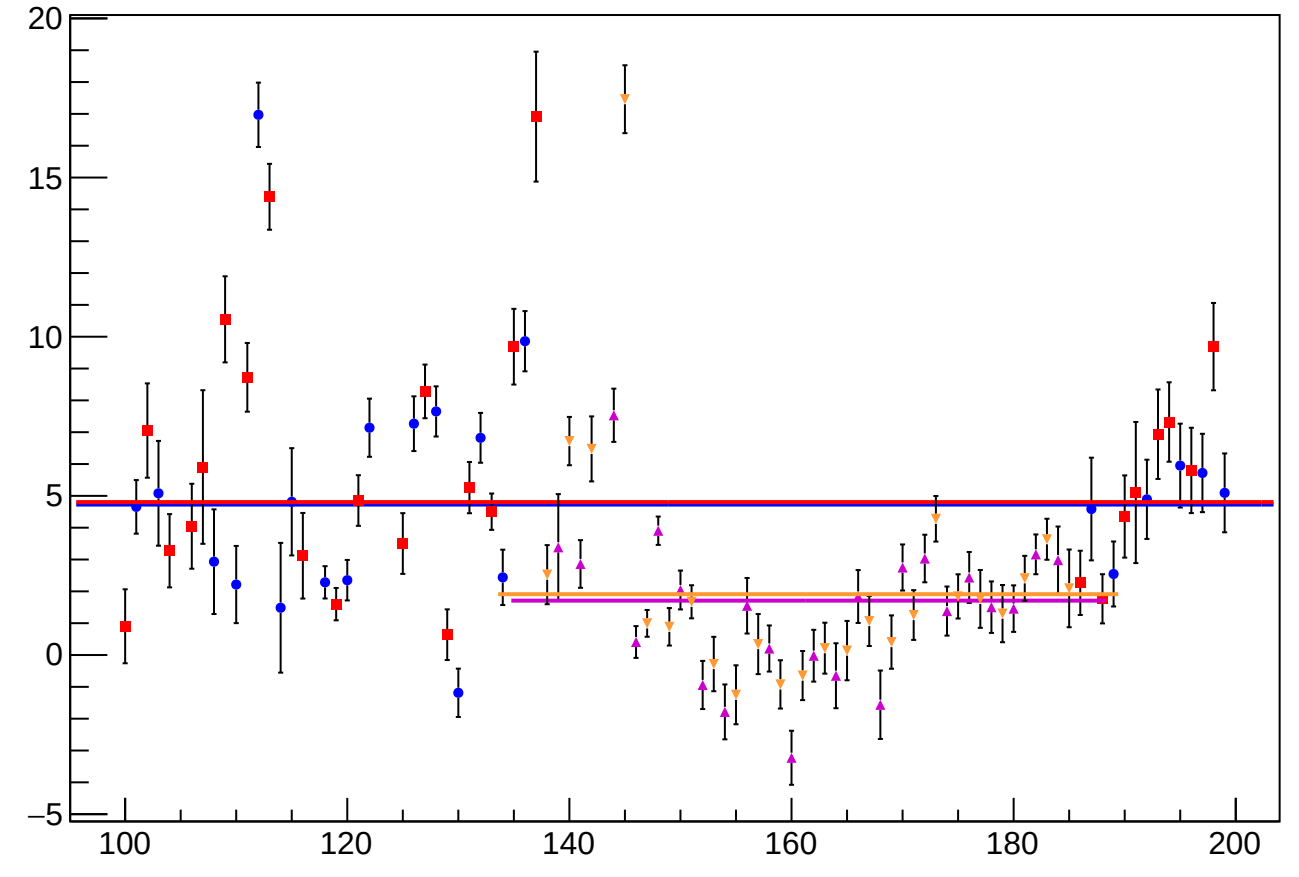
Left: -39.036+/-0.144 χ^2/NDF: 1583.8/46

Right: -31.920+/-0.133 χ^2/NDF: 3861.2/47

In: -35.571+/-0.141 χ^2/NDF:2403.9/44

Out: -34.866+/-0.135 χ^2/NDF:4350.6/49

All: -35.202+/-0.098 χ^2/NDF: 6767.5/94



Right In: 4.727+/-0.202 χ^2/NDF: 331.9/21

Left Out: 1.911+/-0.152 χ^2/NDF:359.3/23

Right Out: 4.804+/-0.195 χ^2/NDF: 314.8/25

Left In: 1.709+/-0.155 χ^2/NDF:182.6/22

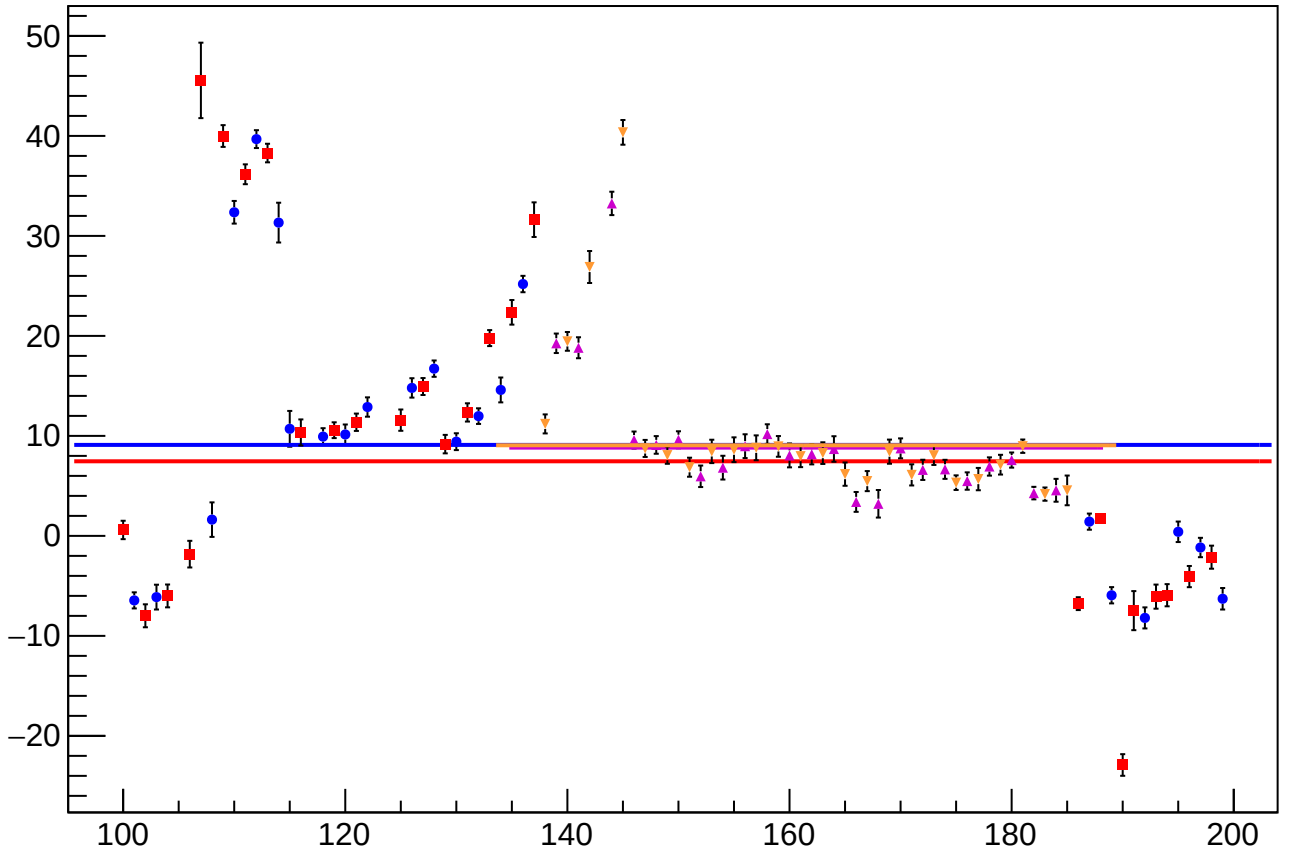
Left: 1.811+/-0.109 χ^2/NDF: 542.8/46

Right: 4.767+/-0.140 χ^2/NDF: 646.7/47

In: 2.830+/-0.123 χ^2/NDF:655.4/44

Out: 3.010+/-0.120 χ^2/NDF:811.0/49

All: 2.922+/-0.086 χ^2/NDF: 1467.4/94



Right In: 9.099+/-0.208 χ^2/NDF: 3910.5/21

Left Out: 9.061+/-0.201 χ^2/NDF:1033.5/23

Right Out: 7.459+/-0.186 χ^2/NDF: 6058.6/25

Left In: 8.826+/-0.202 χ^2/NDF:801.4/22

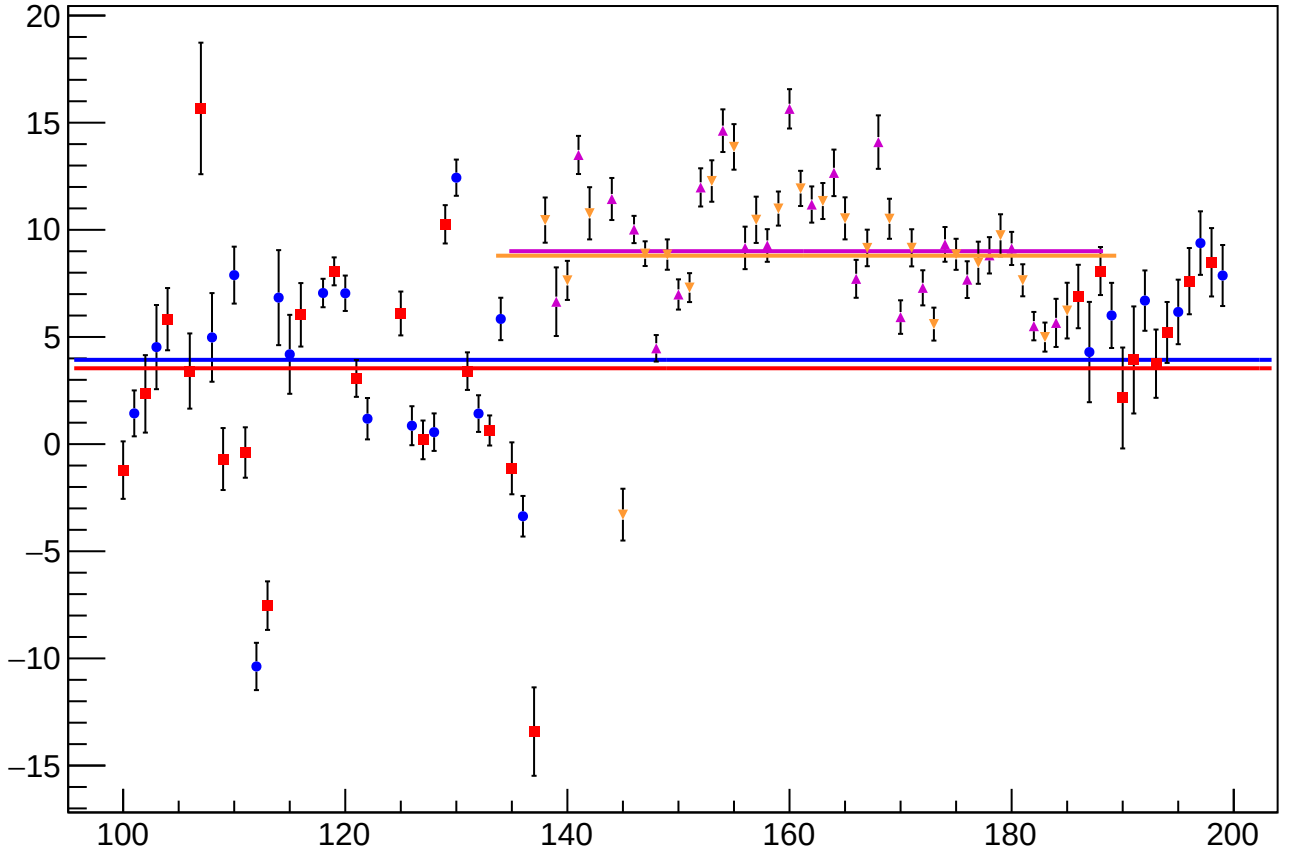
Left: 8.944+/-0.142 χ^2/NDF: 1835.6/46

Right: 8.190+/-0.139 χ^2/NDF: 10003.6/47

In: 8.958+/-0.145 χ^2/NDF:4712.8/44

Out: 8.200+/-0.137 χ^2/NDF:7126.3/49

All: 8.557+/-0.099 χ^2/NDF: 11853.5/94



Right In: 3.933+/-0.236 χ^2/NDF: 457.0/21

Left Out: 8.793+/-0.174 χ^2/NDF:244.1/23

Right Out: 3.539+/-0.230 χ^2/NDF: 413.3/25

Left In: 9.004+/-0.176 χ^2/NDF:289.6/22

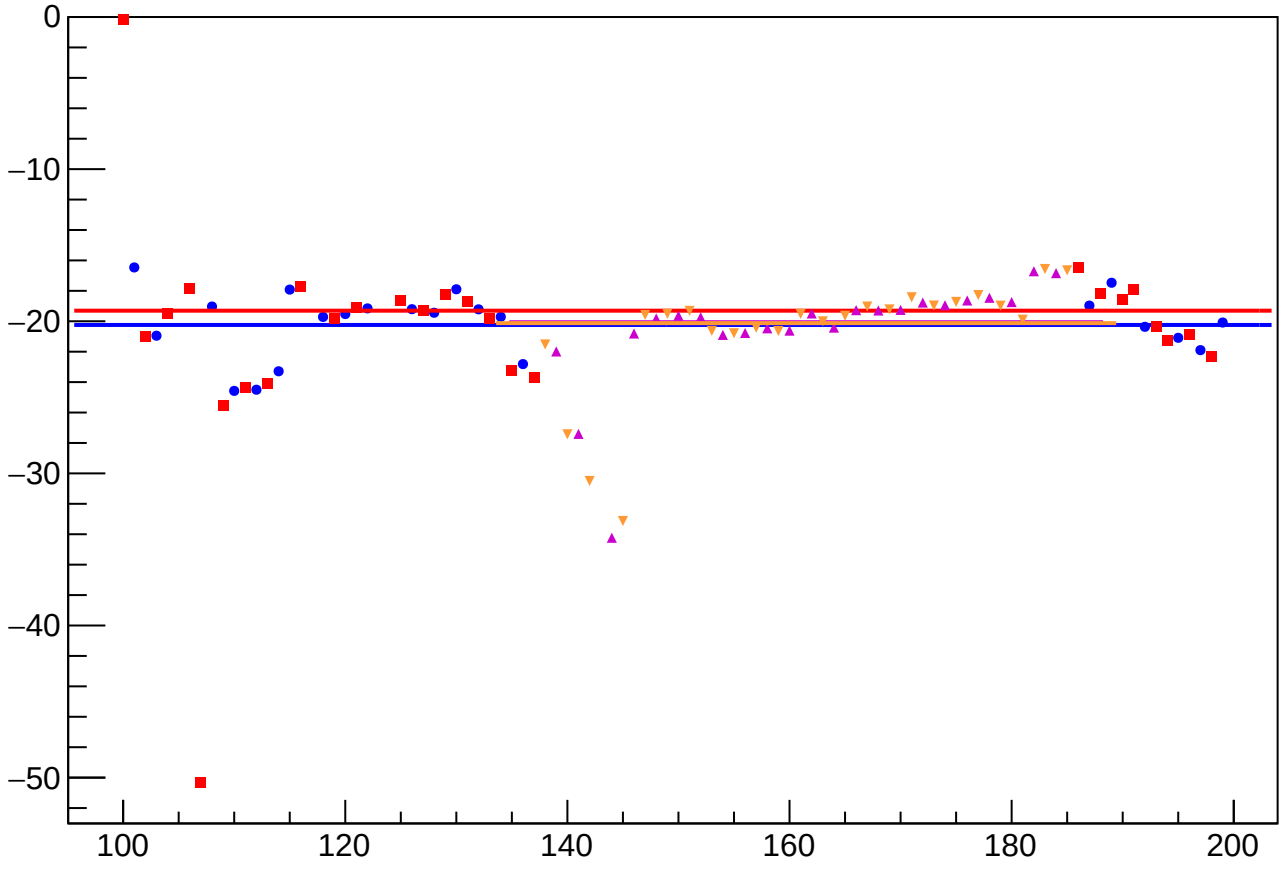
Left: 8.897+/-0.124 χ^2/NDF: 534.4/46

Right: 3.731+/-0.165 χ^2/NDF: 871.7/47

In: 7.190+/-0.141 χ^2/NDF:1043.5/44

Out: 6.884+/-0.139 χ^2/NDF:989.2/49

All: 7.035+/-0.099 χ^2/NDF: 2035.0/94



Right In: -20.243+/-0.013 χ^2/NDF: 23767.4/21

Left Out: -20.123+/-0.008 χ^2/NDF:158578.7/23

Right Out: -19.304+/-0.012 χ^2/NDF: 245599.1/25

Left In: -20.063+/-0.008 χ^2/NDF:132690.0/22

Left: -20.093+/-0.006 χ^2/NDF: 291297.6/46

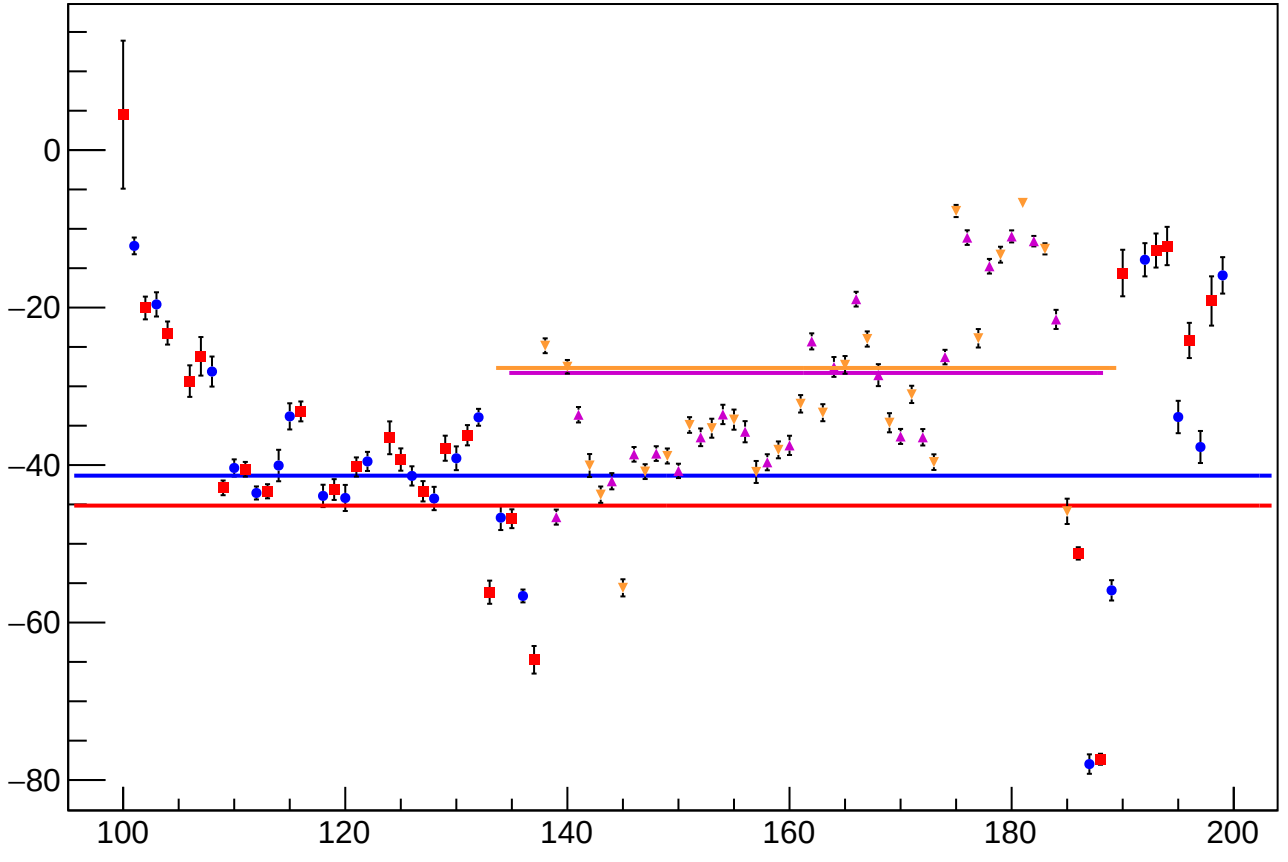
Right: -19.752+/-0.009 χ^2/NDF: 272252.5/47

In: -20.114+/-0.007 χ^2/NDF:156602.9/44

Out: -19.876+/-0.007 χ^2/NDF:407393.2/49

All: -19.994+/-0.005 χ^2/NDF: 564631.7/94

reg_asym_right_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -41.346+/-0.283 χ^2/NDF: 2766.0/21

Left Out: -27.668+/-0.200 χ^2/NDF:4396.9/24

Right Out: -45.149+/-0.257 χ^2/NDF: 3973.6/25

Left In: -28.303+/-0.206 χ^2/NDF:3273.4/22

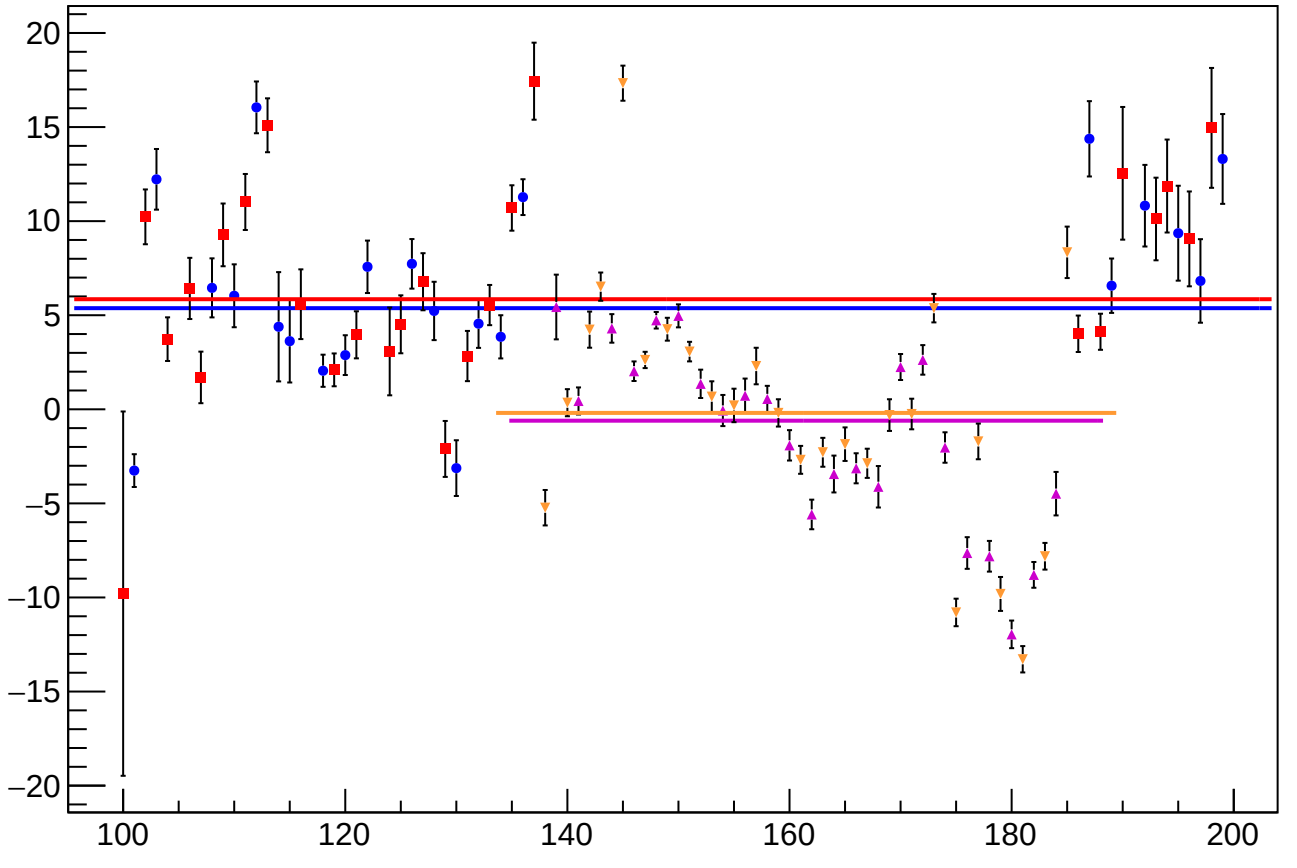
Left: -27.977+/-0.144 χ^2/NDF: 7675.2/47

Right: -43.425+/-0.190 χ^2/NDF: 6838.4/47

In: -32.819+/-0.166 χ^2/NDF:7430.7/44

Out: -34.266+/-0.158 χ^2/NDF:11240.7/50

All: -33.579+/-0.115 χ^2/NDF: 18711.1/95



Right In: 5.375+/-0.295 χ^2/NDF: 318.9/21

Left Out: -0.192+/-0.150 χ^2/NDF:1545.3/24

Right Out: 5.851+/-0.284 χ^2/NDF: 217.6/25

Left In: -0.605+/-0.155 χ^2/NDF:974.6/22

Left: -0.391+/-0.108 χ^2/NDF: 2523.5/47

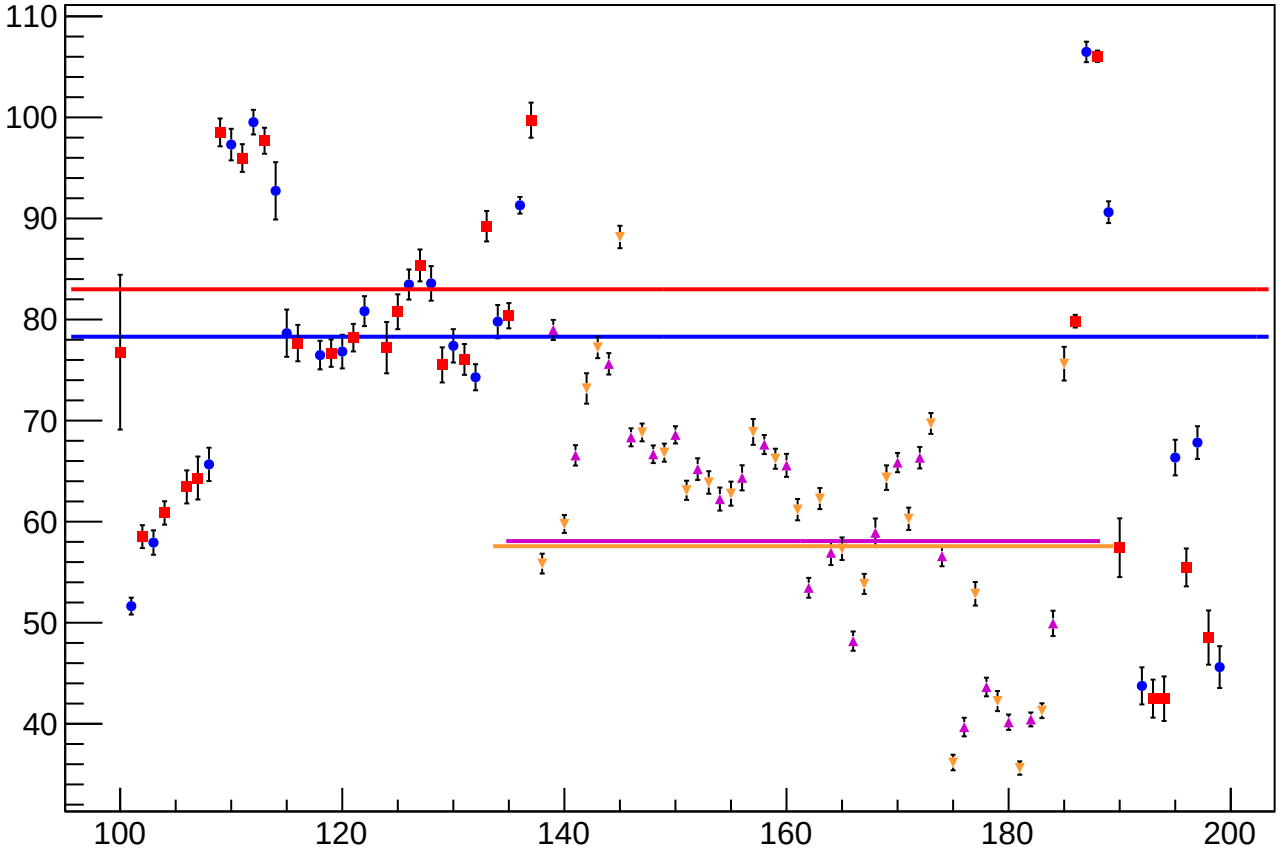
Right: 5.622+/-0.205 χ^2/NDF: 537.9/47

In: 0.691+/-0.137 χ^2/NDF:1615.5/44

Out: 1.127+/-0.133 χ^2/NDF:2116.7/50

All: 0.917+/-0.095 χ^2/NDF: 3737.4/95

reg_asym_right_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 78.299+/-0.290 χ^2/NDF: 3728.3/21

Left Out: 57.573+/-0.199 χ^2/NDF:4685.5/24

Right Out: 82.992+/-0.258 χ^2/NDF: 4597.0/25

Left In: 58.080+/-0.203 χ^2/NDF:3558.6/22

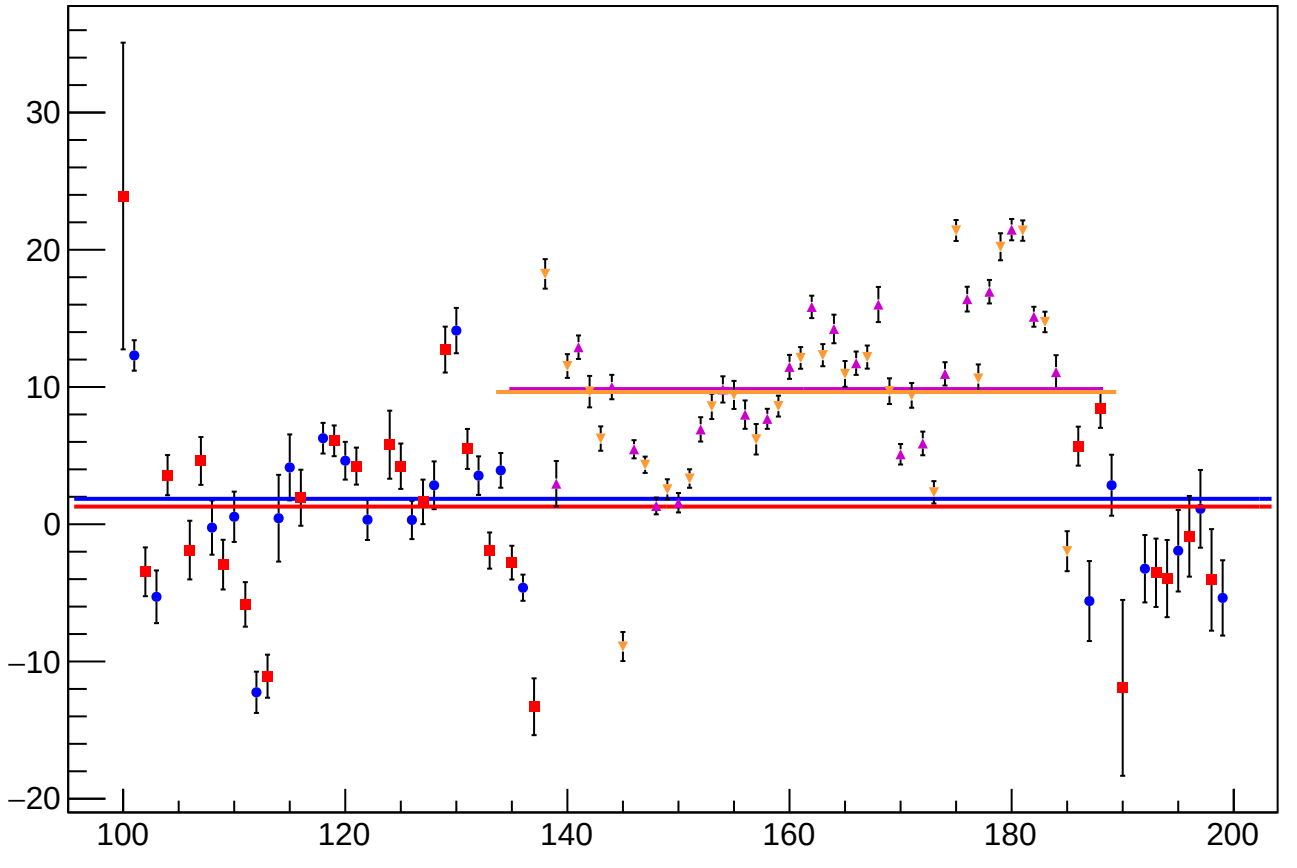
Left: 57.821+/-0.142 χ^2/NDF: 8247.2/47

Right: 80.920+/-0.193 χ^2/NDF: 8471.5/47

In: 64.746+/-0.167 χ^2/NDF:10542.6/44

Out: 67.058+/-0.158 χ^2/NDF:15372.2/50

All: 65.967+/-0.114 χ^2/NDF: 26016.6/95



Right In: 1.853+/-0.344 χ^2/NDF: 340.4/21

Left Out: 9.636+/-0.171 χ^2/NDF:1491.5/24

Right Out: 1.287+/-0.339 χ^2/NDF: 306.1/25

Left In: 9.849+/-0.176 χ^2/NDF:993.0/22

Left: 9.740+/-0.123 χ^2/NDF: 2485.2/47

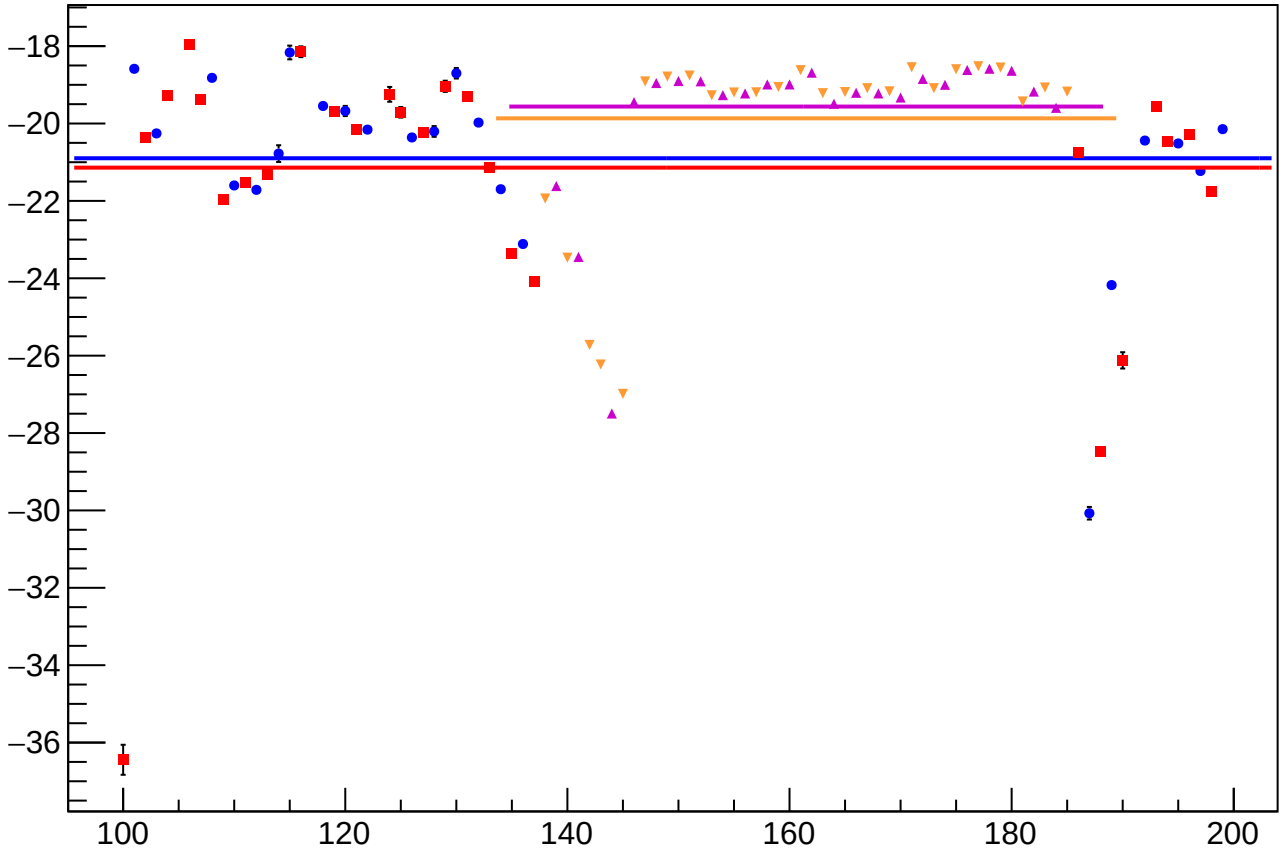
Right: 1.566+/-0.242 χ^2/NDF: 648.0/47

In: 8.187+/-0.157 χ^2/NDF:1761.1/44

Out: 7.936+/-0.153 χ^2/NDF:2280.7/50

All: 8.058+/-0.110 χ^2/NDF: 4043.1/95

reg_asym_right_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -20.898+/-0.017 χ^2/NDF: 12010.0/21

Left Out: -19.866+/-0.008 χ^2/NDF:78894.3/24

Right Out: -21.141+/-0.018 χ^2/NDF: 19943.2/25

Left In: -19.562+/-0.008 χ^2/NDF:45172.6/22

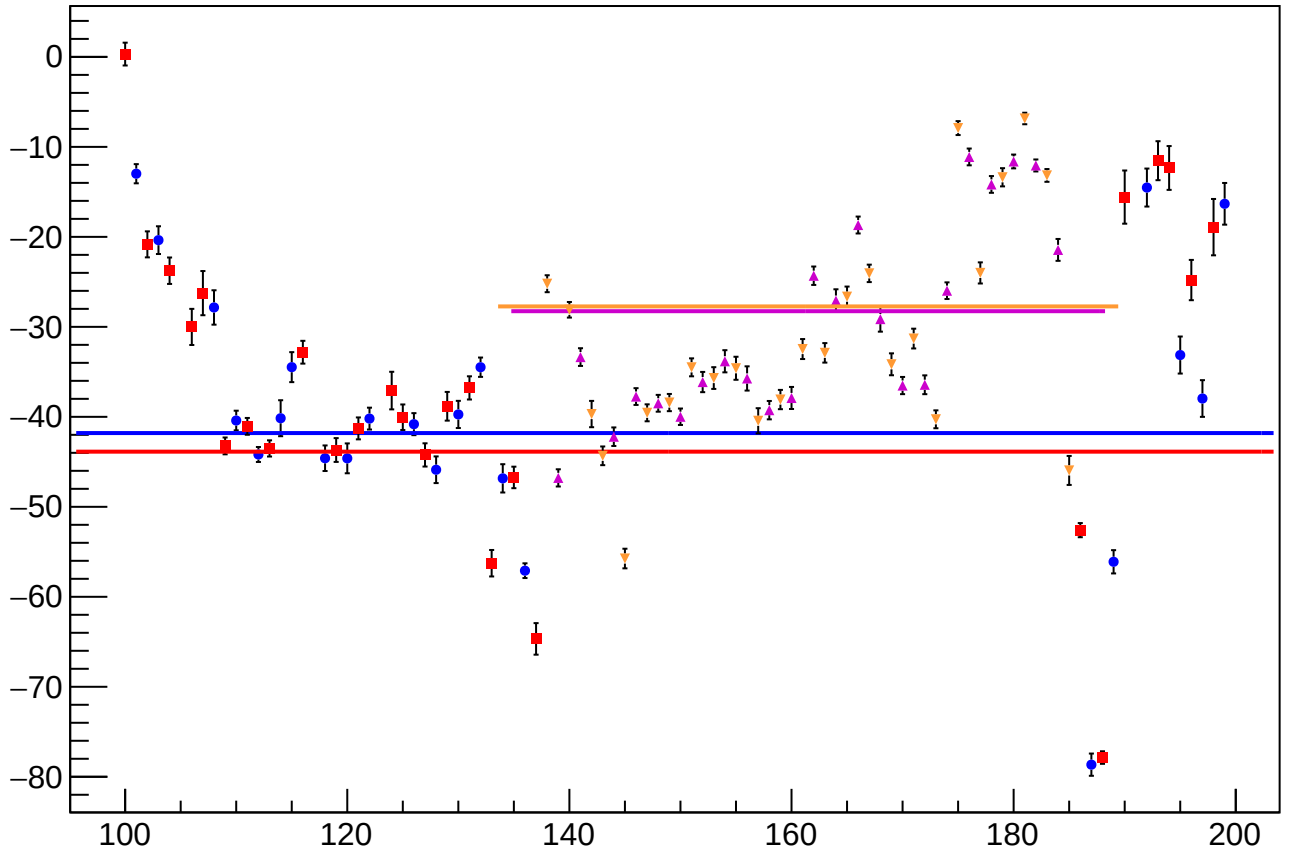
Left: -19.716+/-0.006 χ^2/NDF: 124807.4/47

Right: -21.018+/-0.012 χ^2/NDF: 32050.1/47

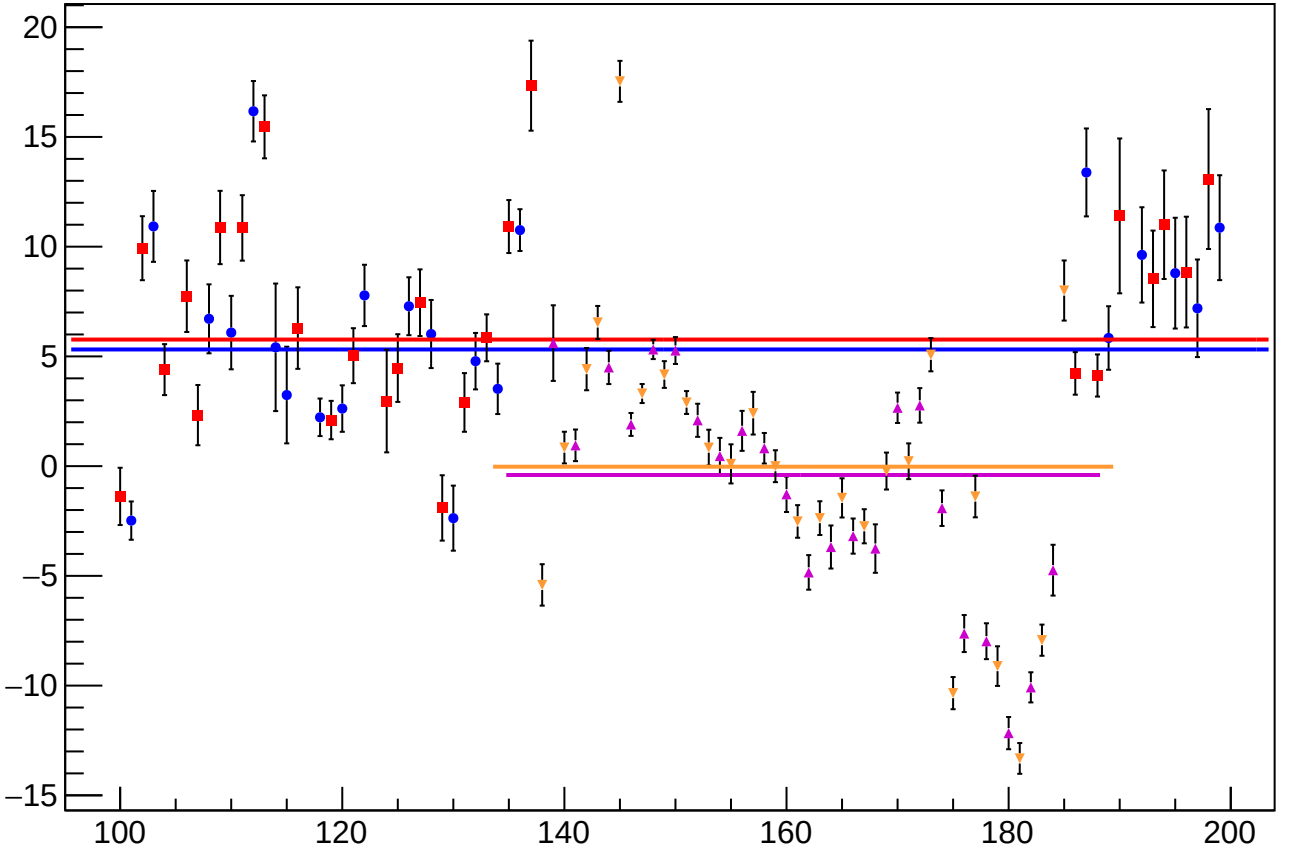
In: -19.794+/-0.007 χ^2/NDF:62086.6/44

Out: -20.080+/-0.007 χ^2/NDF:103240.1/50

All: -19.938+/-0.005 χ^2/NDF: 166113.6/95


reg_asym_right_dd_diff_bpm1X_slope vs Slug, Sign Corrected
0
−10
−20
−30
−40
−50
−60
−70
−80
100
120
140
160
180
200
Right In: -41.803+/-0.283 χ²/NDF: 2753.4/21
Left Out: -27.729+/-0.201 χ²/NDF:4299.7/24
Right Out: -43.870+/-0.253 χ²/NDF: 5243.0/25
Left In: -28.260+/-0.206 χ²/NDF:3172.7/22
Left: -27.988+/-0.144 χ²/NDF: 7475.8/47
Right: -42.954+/-0.189 χ²/NDF: 8026.1/47
In: -32.952+/-0.167 χ²/NDF:7421.1/44
Out: -33.973+/-0.157 χ²/NDF:12043.3/50
All: -33.492+/-0.114 χ²/NDF: 19484.3/95

reg_asym_right_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 5.316+/-0.295 χ^2/NDF: 271.3/21

Left Out: -0.026+/-0.150 χ^2/NDF:1531.8/24

Right Out: 5.768+/-0.278 χ^2/NDF: 237.2/25

Left In: -0.404+/-0.155 χ^2/NDF:1084.1/22

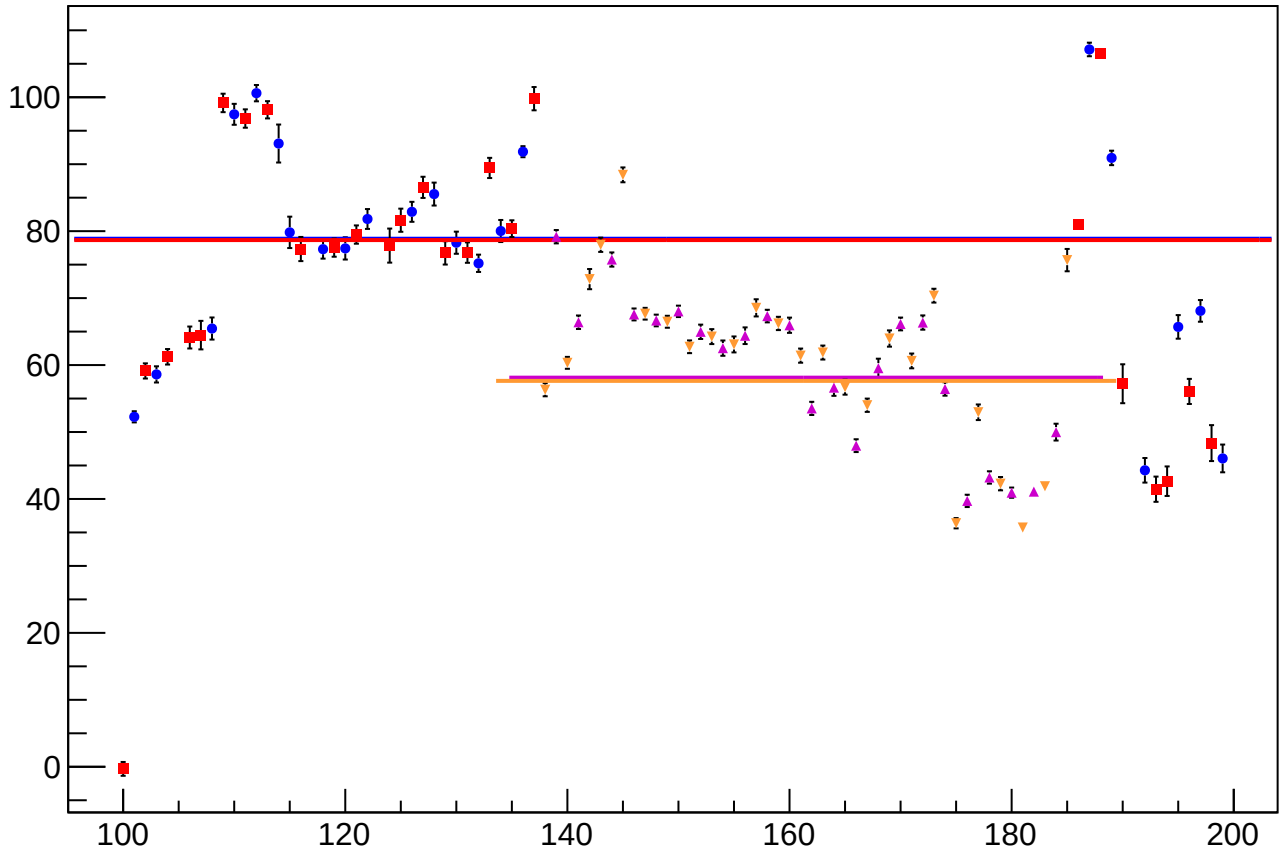
Left: -0.208+/-0.108 χ^2/NDF: 2618.9/47

Right: 5.556+/-0.202 χ^2/NDF: 509.8/47

In: 0.837+/-0.138 χ^2/NDF:1649.1/44

Out: 1.284+/-0.132 χ^2/NDF:2105.0/50

All: 1.069+/-0.095 χ^2/NDF: 3759.6/95



Right In: 78.868+/-0.291 χ^2/NDF: 3739.8/21

Left Out: 57.638+/-0.199 χ^2/NDF:4612.7/24

Right Out: 78.668+/-0.251 χ^2/NDF: 10823.7/25

Left In: 58.117+/-0.204 χ^2/NDF:3443.9/22

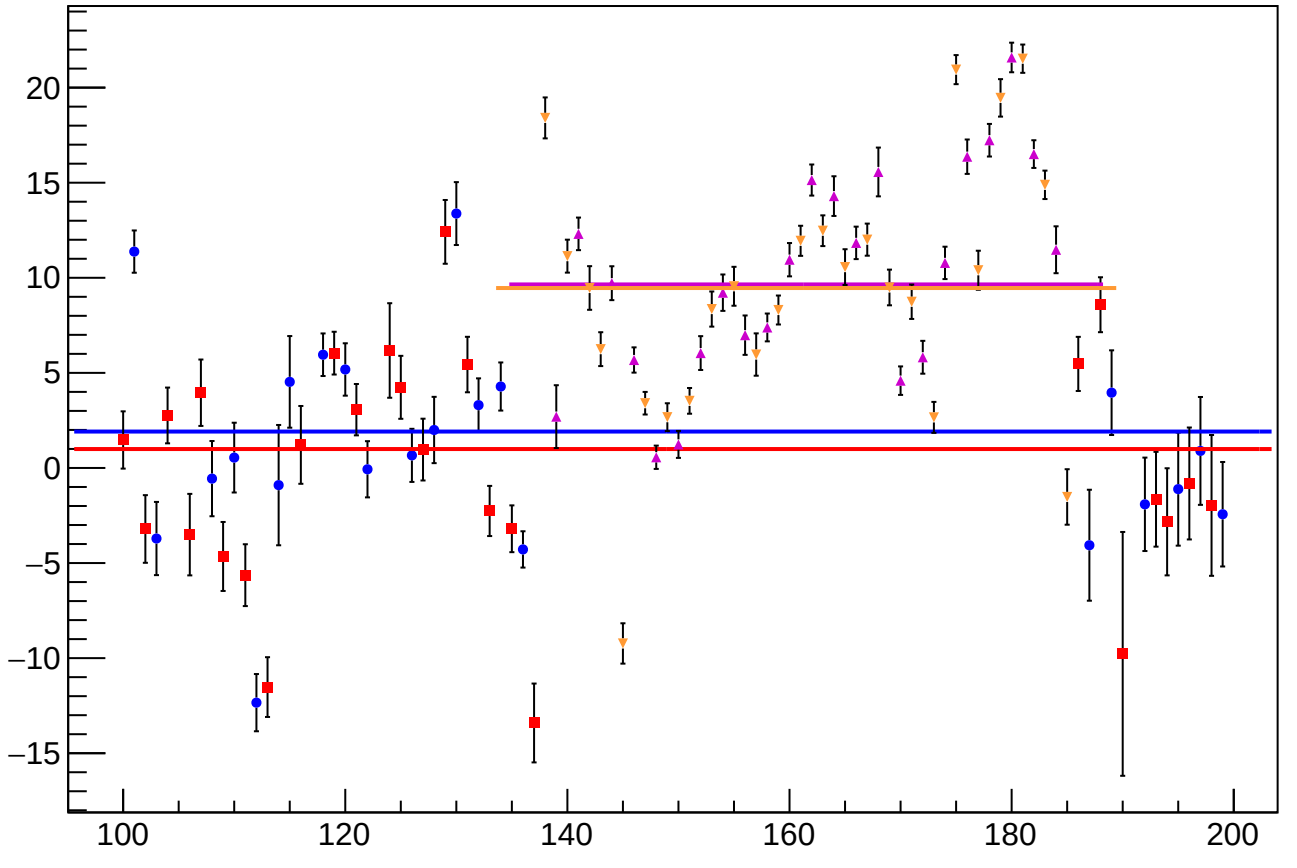
Left: 57.872+/-0.142 χ^2/NDF: 8059.4/47

Right: 78.753+/-0.190 χ^2/NDF: 14563.7/47

In: 64.962+/-0.167 χ^2/NDF:10601.9/44

Out: 65.781+/-0.156 χ^2/NDF:19749.0/50

All: 65.399+/-0.114 χ^2/NDF: 30363.7/95



Right In: 1.915+/-0.345 χ^2/NDF: 301.9/21

Left Out: 9.461+/-0.172 χ^2/NDF:1483.1/24

Right Out: 0.995+/-0.331 χ^2/NDF: 300.8/25

Left In: 9.650+/-0.177 χ^2/NDF:1078.5/22

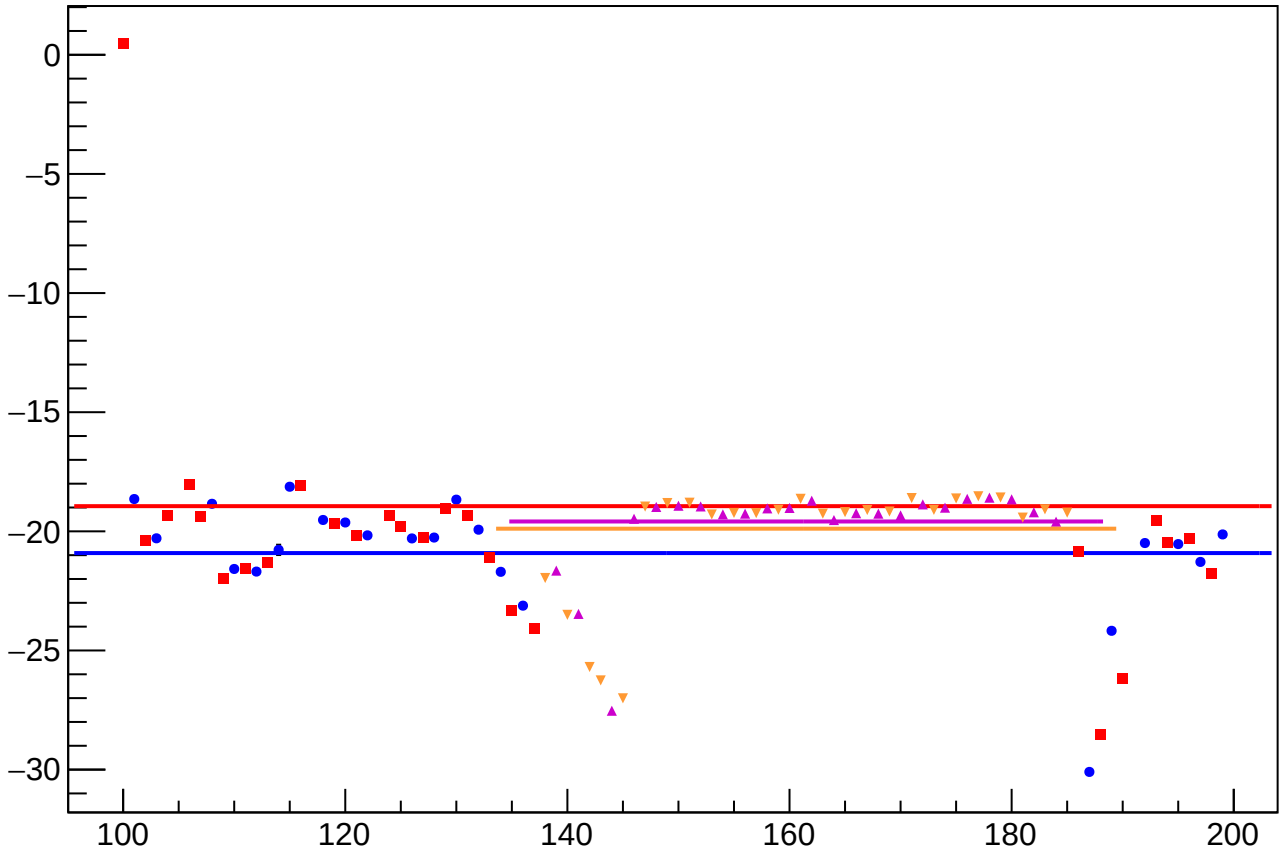
Left: 9.553+/-0.123 χ^2/NDF: 2562.3/47

Right: 1.437+/-0.239 χ^2/NDF: 606.5/47

In: 8.041+/-0.157 χ^2/NDF:1779.5/44

Out: 7.670+/-0.152 χ^2/NDF:2298.6/50

All: 7.850+/-0.109 χ^2/NDF: 4081.0/95



Right In: -20.912+/-0.017 χ^2/NDF: 11884.9/21

Left Out: -19.889+/-0.008 χ^2/NDF:78512.6/24

Right Out: -18.943+/-0.017 χ^2/NDF: 171251.7/25

Left In: -19.586+/-0.008 χ^2/NDF:45085.3/22

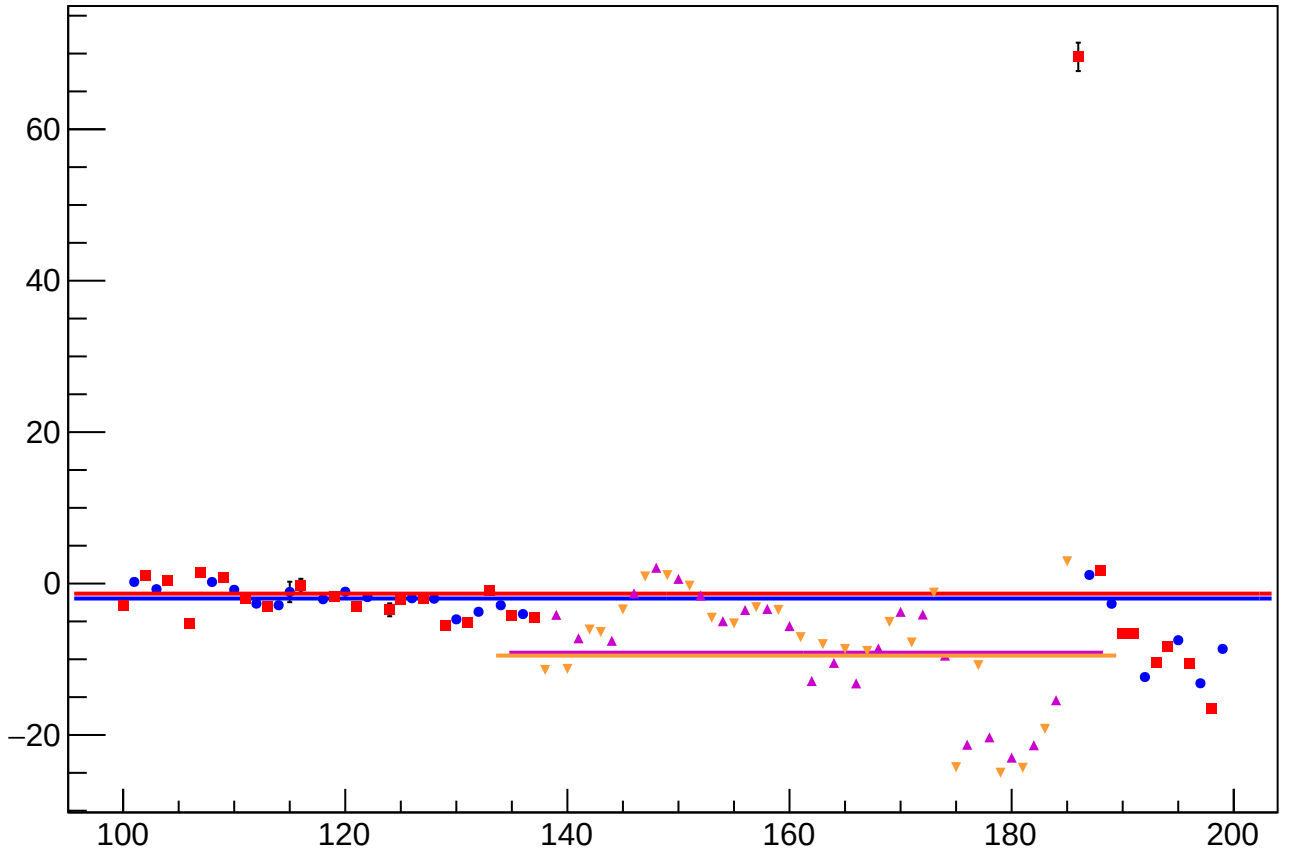
Left: -19.739+/-0.006 χ^2/NDF: 124326.8/47

Right: -19.886+/-0.012 χ^2/NDF: 189830.8/47

In: -19.817+/-0.007 χ^2/NDF:61783.5/44

Out: -19.716+/-0.007 χ^2/NDF:252398.4/50

All: -19.765+/-0.005 χ^2/NDF: 314280.4/95



Right In: -1.977+/-0.052 χ^2/NDF: 3060.4/21

Left Out: -9.512+/-0.073 χ^2/NDF:12916.4/24

Right Out: -1.330+/-0.047 χ^2/NDF: 6196.9/26

Left In: -9.131+/-0.075 χ^2/NDF:10390.6/22

Left: -9.327+/-0.052 χ^2/NDF: 23320.3/47

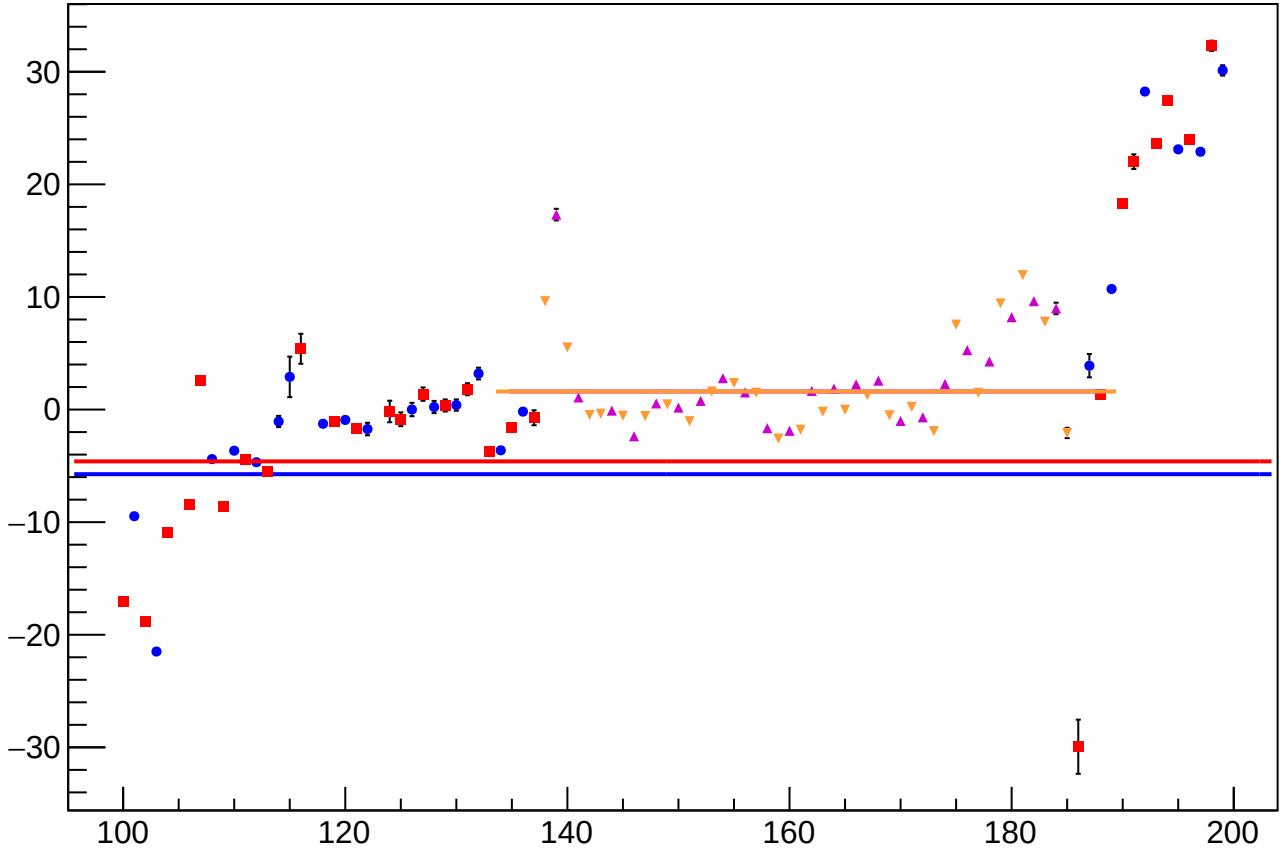
Right: -1.623+/-0.035 χ^2/NDF: 9343.1/48

In: -4.290+/-0.043 χ^2/NDF:19645.3/44

Out: -3.747+/-0.039 χ^2/NDF:28054.2/51

All: -3.998+/-0.029 χ^2/NDF: 47787.2/96

reg_asym_sam_15_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -5.738+/-0.054 χ^2/NDF: 43189.8/21

Left Out: 1.606+/-0.055 χ^2/NDF:4677.2/24

Right Out: -4.602+/-0.053 χ^2/NDF: 47451.1/26

Left In: 1.605+/-0.058 χ^2/NDF:3656.4/22

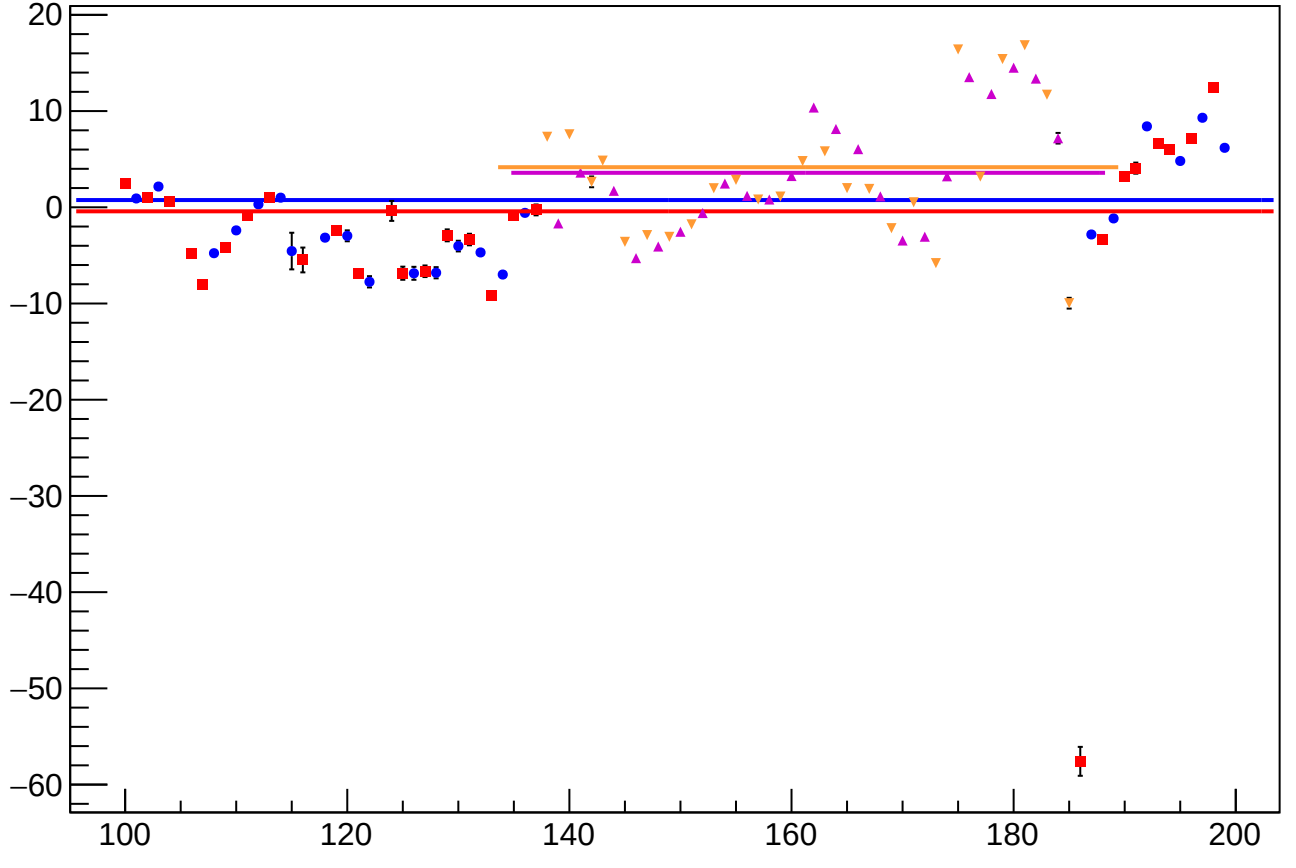
Left: 1.605+/-0.040 χ^2/NDF: 8333.6/47

Right: -5.163+/-0.038 χ^2/NDF: 90863.6/48

In: -2.295+/-0.039 χ^2/NDF:55456.2/44

Out: -1.595+/-0.038 χ^2/NDF:58656.0/51

All: -1.936+/-0.028 χ^2/NDF: 114273.6/96



Right In: 0.752+/-0.050 χ^2/NDF: 3953.9/21

Left Out: 4.167+/-0.072 χ^2/NDF:9246.5/24

Right Out: -0.419+/-0.048 χ^2/NDF: 7615.1/26

Left In: 3.584+/-0.074 χ^2/NDF:7228.4/22

Left: 3.883+/-0.052 χ^2/NDF: 16506.8/47

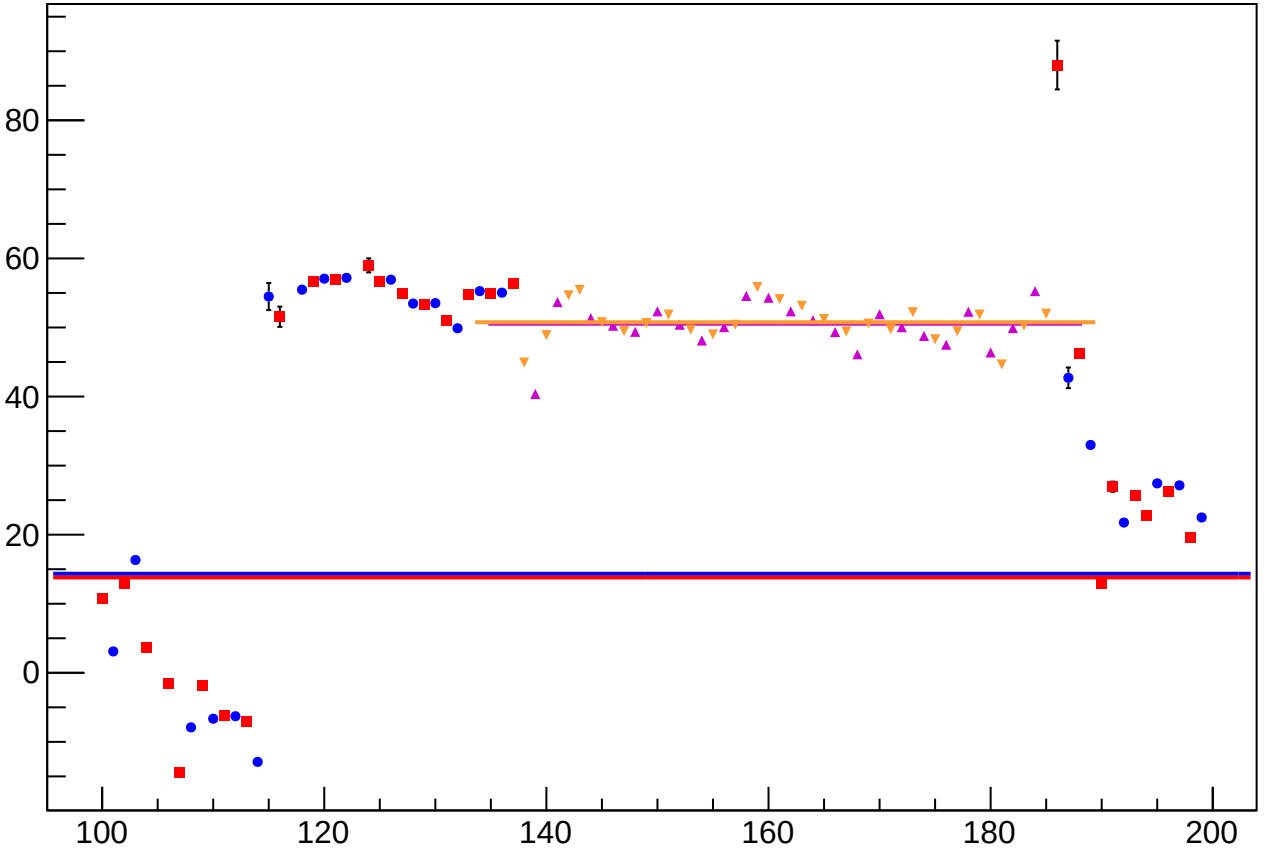
Right: 0.143+/-0.034 χ^2/NDF: 11859.6/48

In: 1.631+/-0.041 χ^2/NDF:12193.6/44

Out: 0.973+/-0.040 χ^2/NDF:19679.0/51

All: 1.290+/-0.029 χ^2/NDF: 32004.7/96

reg_asym_sam_15_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 14.340+/-0.065 χ^2/NDF: 112402.1/21

Left Out: 50.761+/-0.062 χ^2/NDF:1748.6/24

Right Out: 13.810+/-0.064 χ^2/NDF: 128784.4/26

Left In: 50.550+/-0.065 χ^2/NDF:1717.7/22

Left: 50.659+/-0.045 χ^2/NDF: 3471.7/47

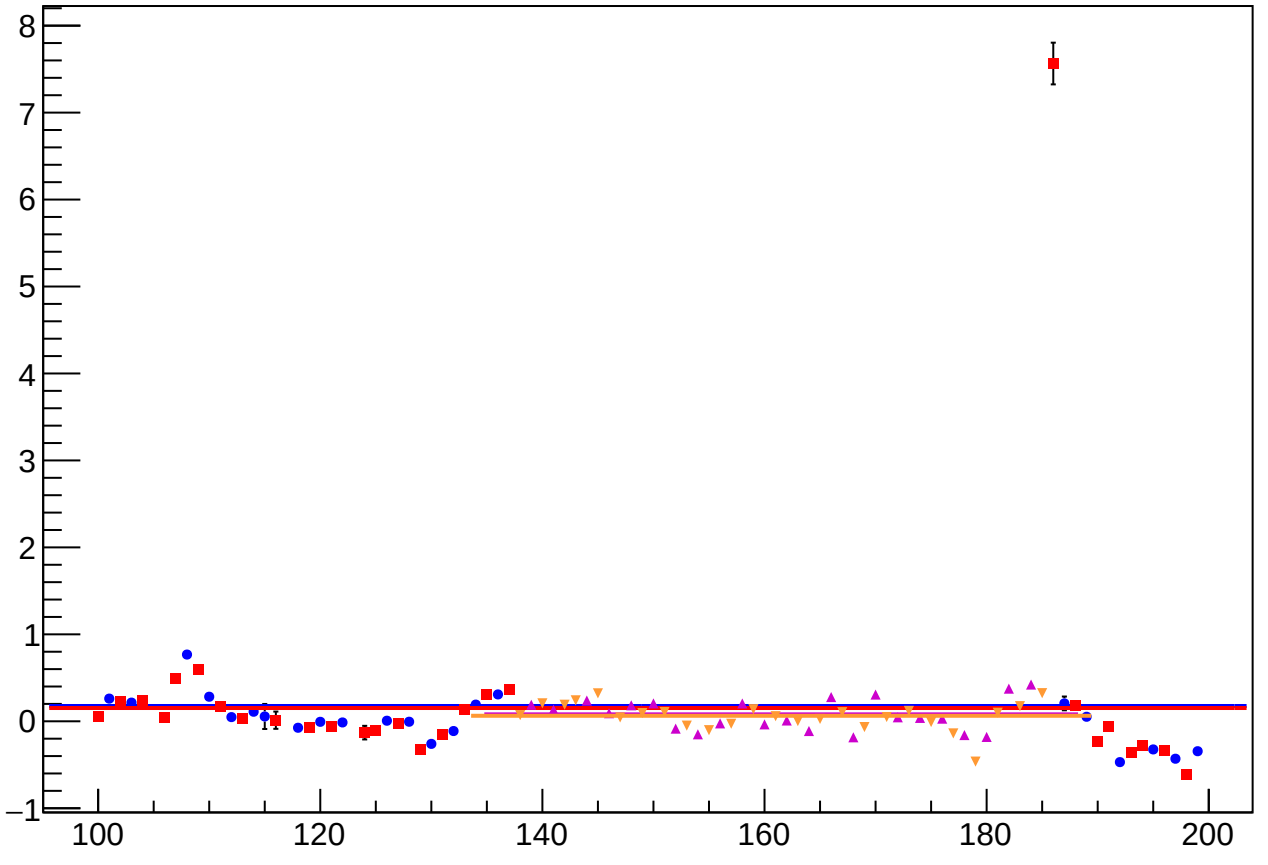
Right: 14.071+/-0.045 χ^2/NDF: 241220.6/48

In: 32.436+/-0.046 χ^2/NDF:270473.1/44

Out: 32.658+/-0.045 χ^2/NDF:302118.6/51

All: 32.550+/-0.032 χ^2/NDF: 572603.7/96

reg_asym_sam_15_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.176+/-0.003 χ^2/NDF: 11470.6/21

Left Out: 0.063+/-0.003 χ^2/NDF:2566.7/24

Right Out: 0.153+/-0.002 χ^2/NDF: 10688.1/26

Left In: 0.080+/-0.003 χ^2/NDF:3446.5/22

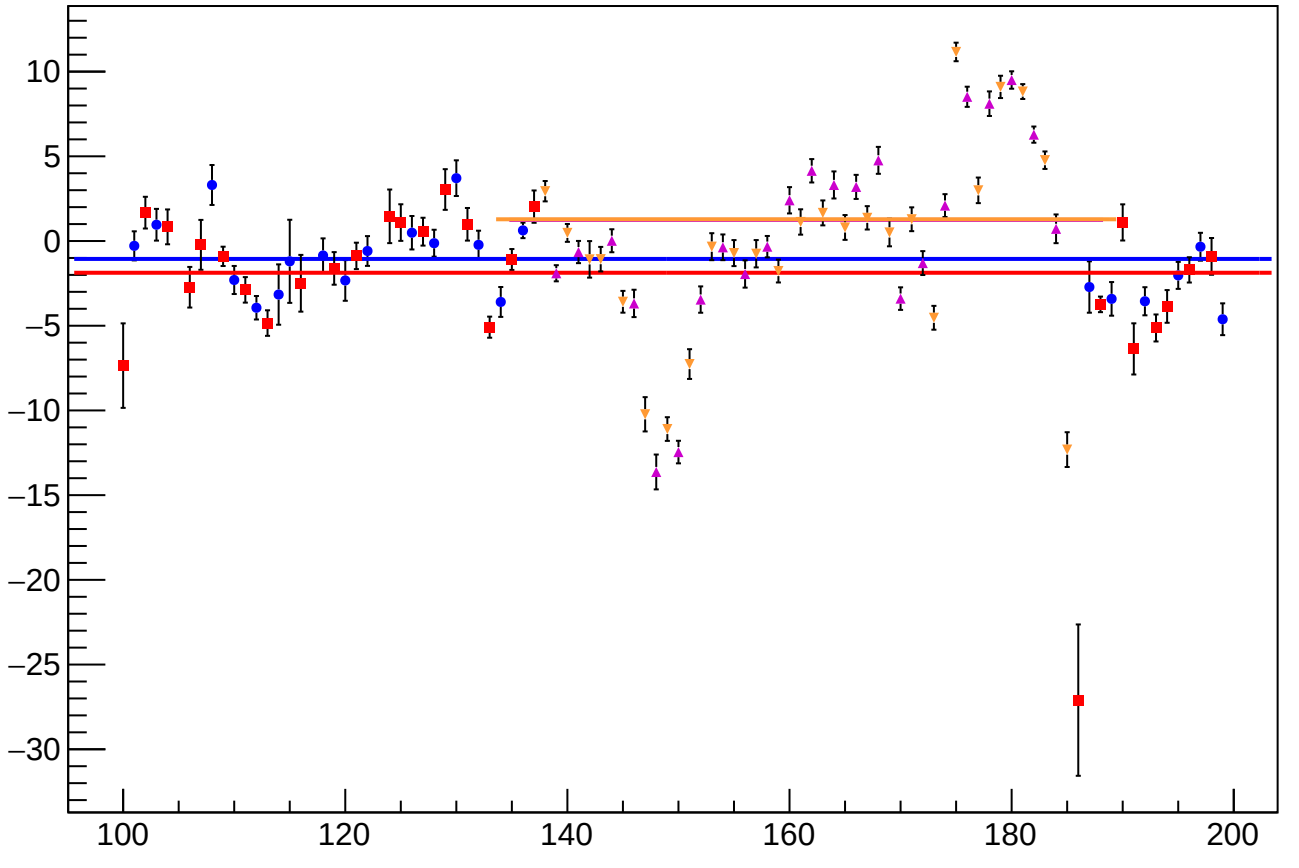
Left: 0.071+/-0.002 χ^2/NDF: 6029.9/47

Right: 0.164+/-0.002 χ^2/NDF: 22200.5/48

In: 0.132+/-0.002 χ^2/NDF:15550.4/44

Out: 0.113+/-0.002 χ^2/NDF:13823.7/51

All: 0.122+/-0.001 χ^2/NDF: 29426.5/96



Right In: -1.057+/-0.188 χ^2/NDF: 121.3/21

Left Out: 1.283+/-0.137 χ^2/NDF:1715.5/24

Right Out: -1.874+/-0.168 χ^2/NDF: 227.9/26

Left In: 1.247+/-0.140 χ^2/NDF:1512.4/22

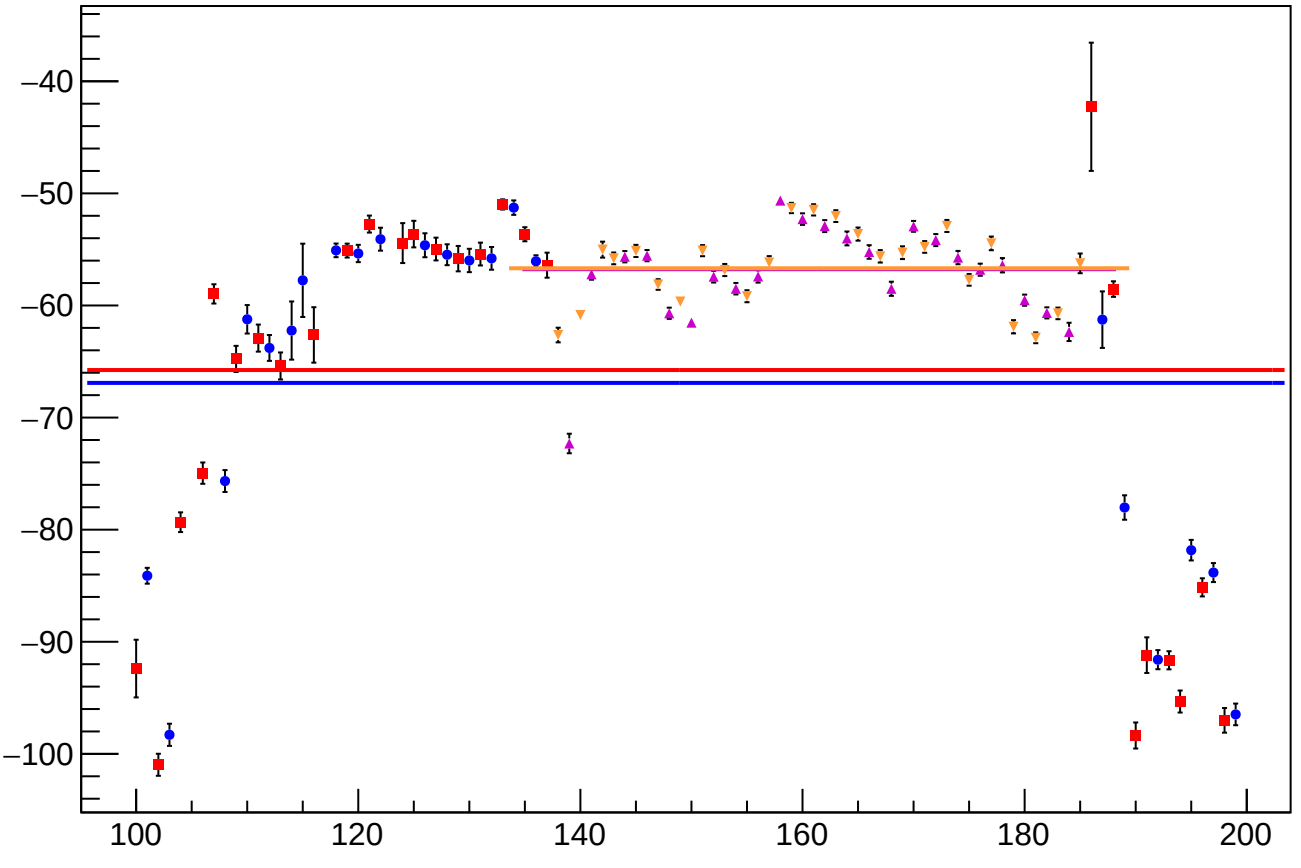
Left: 1.265+/-0.098 χ^2/NDF: 3228.0/47

Right: -1.510+/-0.125 χ^2/NDF: 359.6/48

In: 0.421+/-0.112 χ^2/NDF:1730.1/44

Out: 0.026+/-0.106 χ^2/NDF:2155.0/51

All: 0.212+/-0.077 χ^2/NDF: 3891.6/96



Right In: -66.906+/-0.193 χ^2/NDF: 6540.8/21

Left Out: -56.680+/-0.107 χ^2/NDF:1014.5/24

Right Out: -65.759+/-0.178 χ^2/NDF: 8792.6/26

Left In: -56.765+/-0.112 χ^2/NDF:1108.9/22

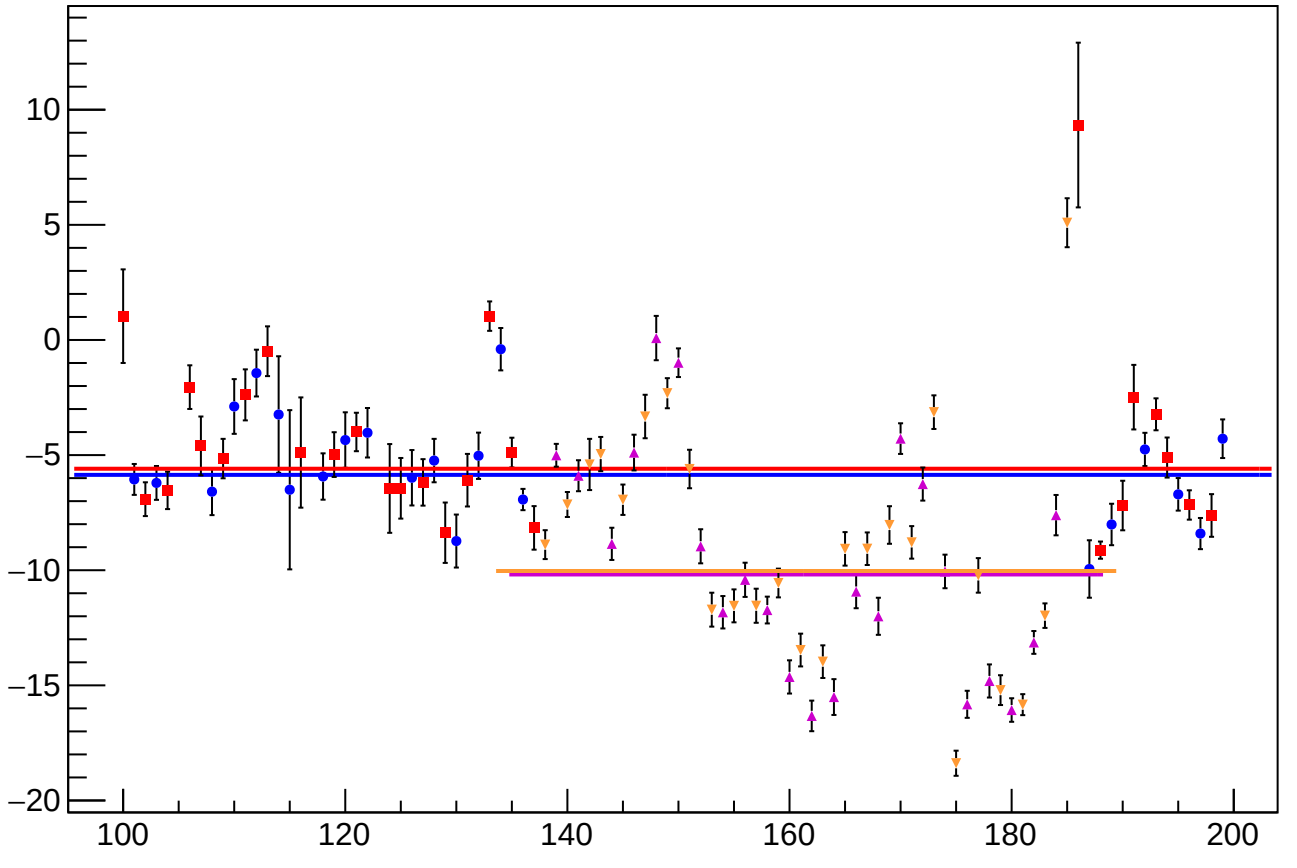
Left: -56.721+/-0.077 χ^2/NDF: 2123.6/47

Right: -66.286+/-0.131 χ^2/NDF: 15352.5/48

In: -59.321+/-0.097 χ^2/NDF:9717.2/44

Out: -59.099+/-0.092 χ^2/NDF:11717.0/51

All: -59.204+/-0.067 χ^2/NDF: 21437.0/96



Right In: -5.858+/-0.188 χ^2/NDF: 117.4/21

Left Out: -10.034+/-0.136 χ^2/NDF:1182.4/24

Right Out: -5.592+/-0.167 χ^2/NDF: 323.7/26

Left In: -10.184+/-0.139 χ^2/NDF:1142.6/22

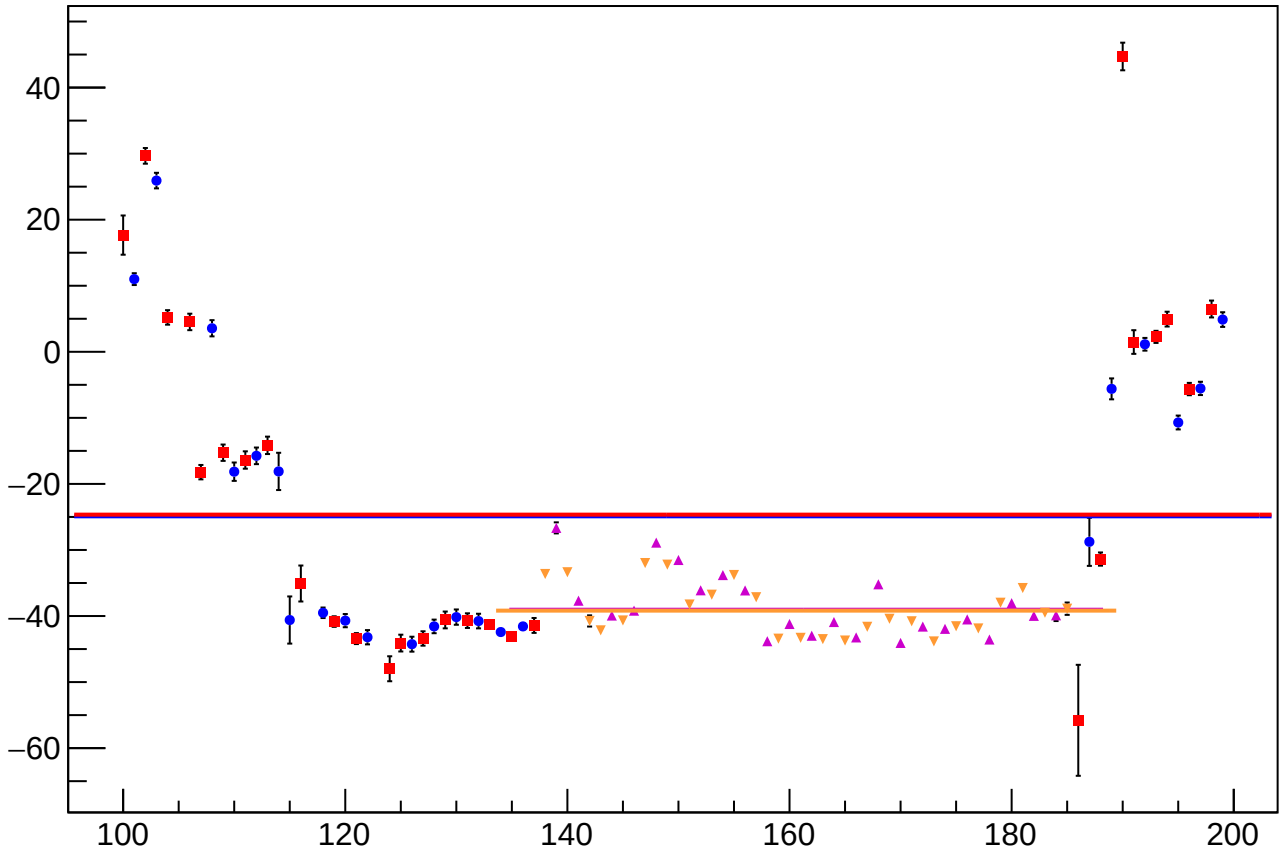
Left: -10.107+/-0.097 χ^2/NDF: 2325.6/47

Right: -5.710+/-0.125 χ^2/NDF: 442.3/48

In: -8.653+/-0.112 χ^2/NDF:1602.3/44

Out: -8.260+/-0.106 χ^2/NDF:1930.9/51

All: -8.445+/-0.077 χ^2/NDF: 3539.7/96



Right In: -24.906+/-0.222 χ^2/NDF: 9613.0/21

Left Out: -39.183+/-0.120 χ^2/NDF:1034.1/24

Right Out: -24.650+/-0.209 χ^2/NDF: 11642.0/26

Left In: -39.044+/-0.124 χ^2/NDF:1226.4/22

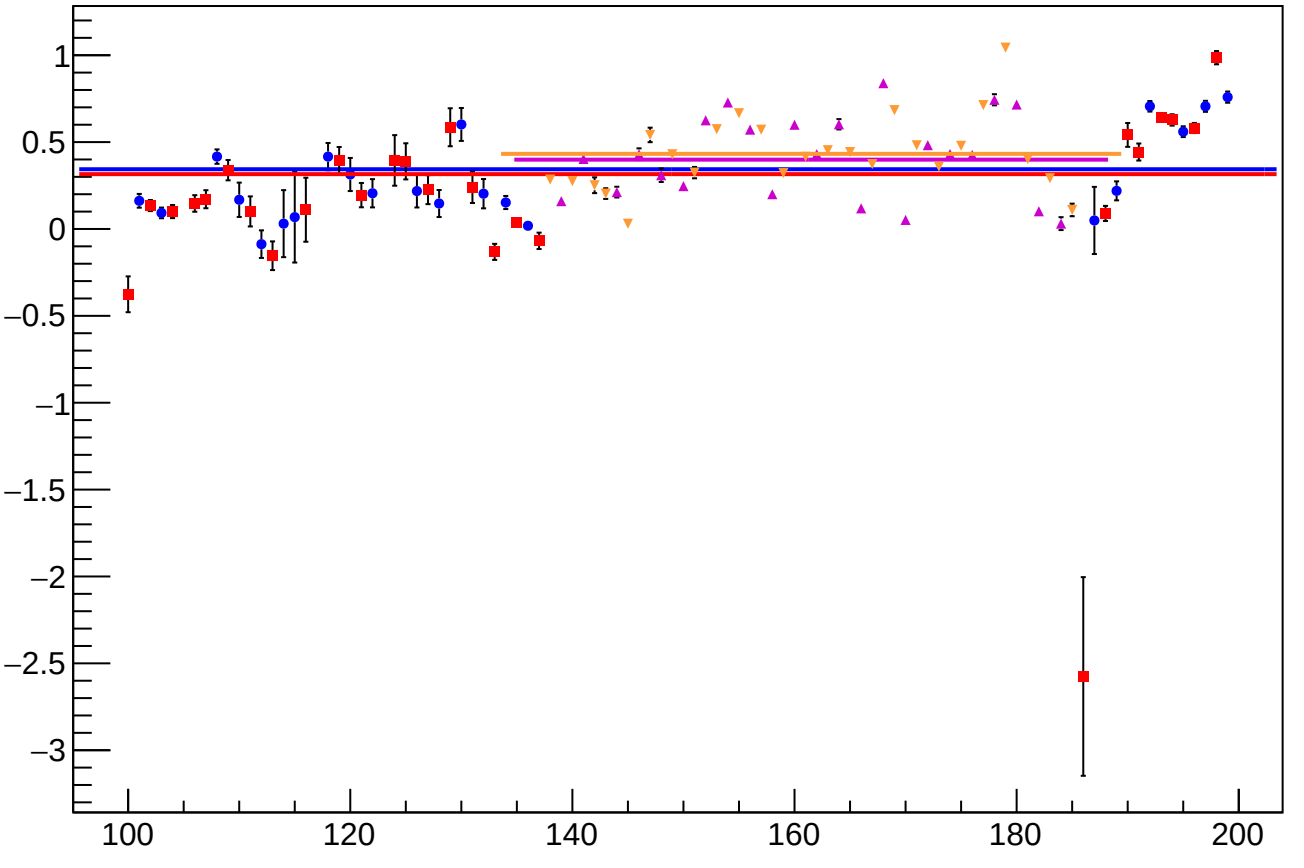
Left: -39.116+/-0.086 χ^2/NDF: 2261.1/47

Right: -24.770+/-0.152 χ^2/NDF: 21255.7/48

In: -35.667+/-0.108 χ^2/NDF:13932.6/44

Out: -35.568+/-0.104 χ^2/NDF:16324.2/51

All: -35.615+/-0.075 χ^2/NDF: 30257.2/96



Right In: 0.344+/-0.010 χ^2/NDF: 897.8/21

Left Out: 0.432+/-0.005 χ^2/NDF:1368.7/24

Right Out: 0.316+/-0.009 χ^2/NDF: 1146.3/26

Left In: 0.399+/-0.005 χ^2/NDF:1923.8/22

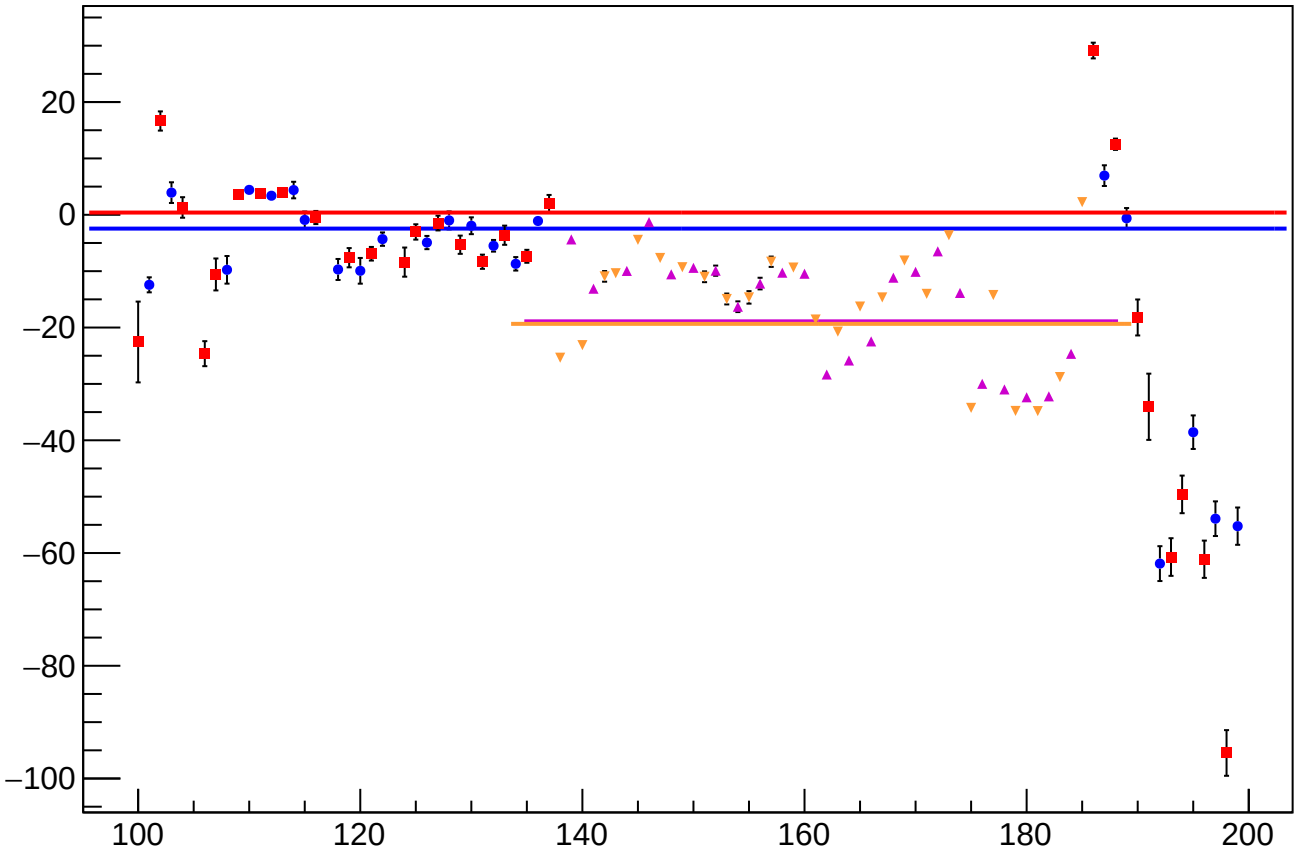
Left: 0.416+/-0.004 χ^2/NDF: 3312.1/47

Right: 0.329+/-0.007 χ^2/NDF: 2048.6/48

In: 0.386+/-0.005 χ^2/NDF:2846.7/44

Out: 0.403+/-0.005 χ^2/NDF:2635.4/51

All: 0.395+/-0.003 χ^2/NDF: 5489.2/96



Right In: -2.448+/-0.270 χ^2/NDF: 1433.7/21

Left Out: -19.347+/-0.113 χ^2/NDF:10394.7/24

Right Out: 0.397+/-0.249 χ^2/NDF: 2625.7/26

Left In: -18.902+/-0.116 χ^2/NDF:8286.2/22

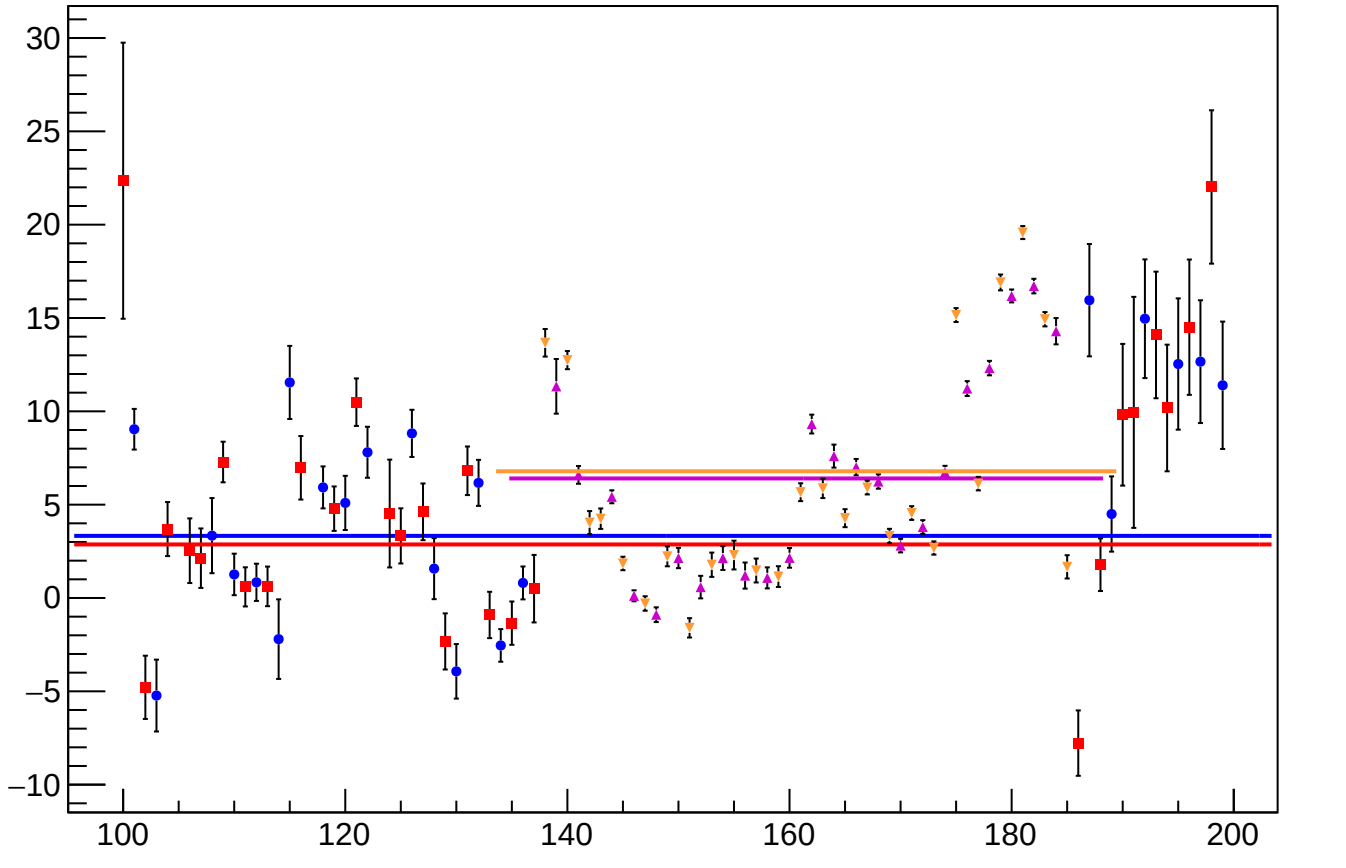
Left: -19.130+/-0.081 χ^2/NDF: 18688.5/47

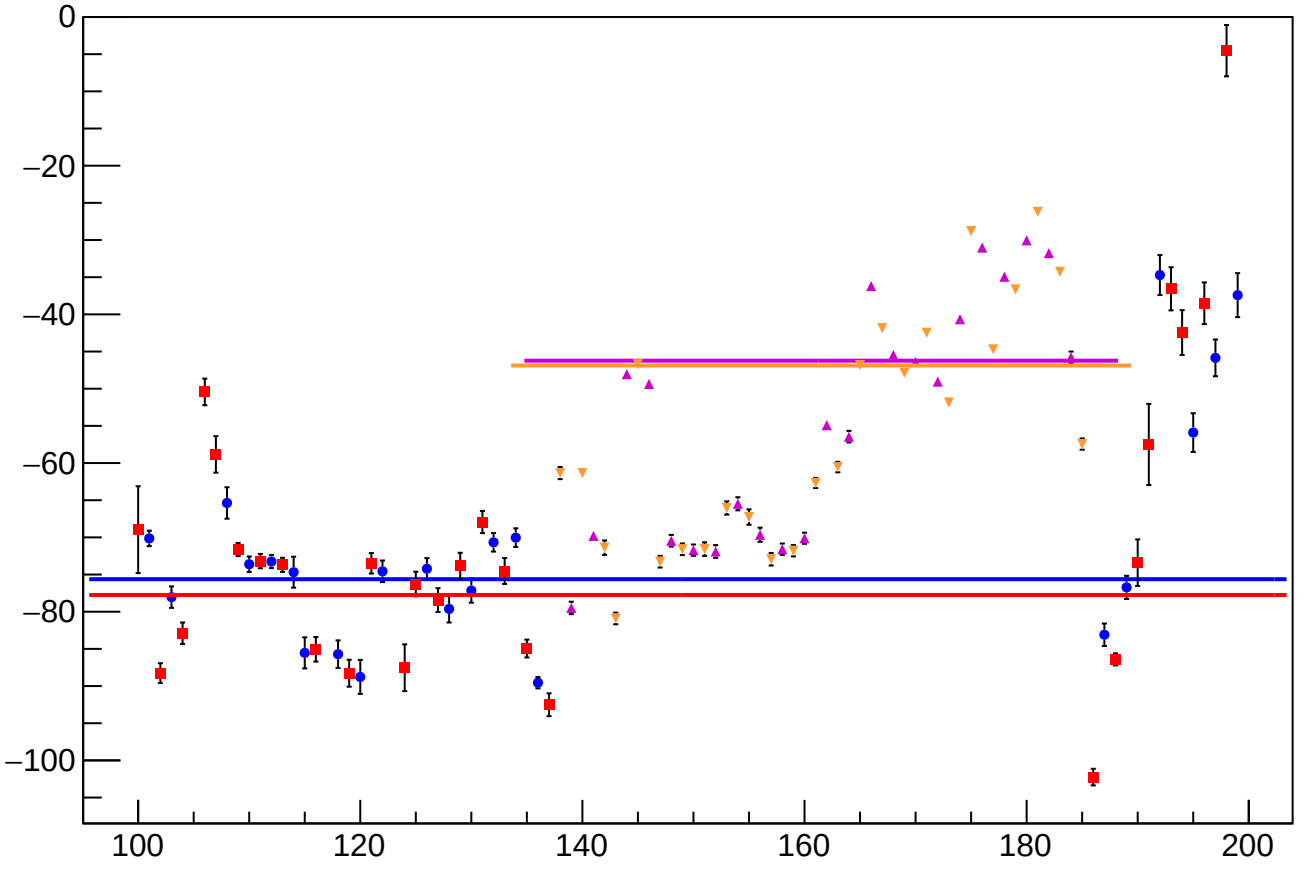
Right: -0.913+/-0.183 χ^2/NDF: 4119.3/48

In: -16.333+/-0.107 χ^2/NDF:12853.3/44

Out: -15.966+/-0.103 χ^2/NDF:18215.3/51

All: -16.143+/-0.074 χ^2/NDF: 31074.8/96


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: 3.328+/-0.303 χ²/NDF: 254.0/21
Left Out: 6.788+/-0.090 χ²/NDF:4632.5/24
Right Out: 2.869+/-0.303 χ²/NDF: 234.8/26
Left In: 6.404+/-0.091 χ²/NDF:3410.4/22
Left: 6.598+/-0.064 χ²/NDF: 8051.9/47
Right: 3.099+/-0.214 χ²/NDF: 489.9/48
In: 6.149+/-0.087 χ²/NDF:3759.0/44
Out: 6.470+/-0.086 χ²/NDF:5020.6/51
All: 6.311+/-0.061 χ²/NDF: 8786.4/96



Right In: -75.626+/-0.304 χ^2/NDF: 1149.8/21

Left Out: -46.883+/-0.114 χ^2/NDF:17974.5/24

Right Out: -77.746+/-0.287 χ^2/NDF: 2302.6/26

Left In: -46.231+/-0.116 χ^2/NDF:15169.3/22

Left: -46.563+/-0.081 χ^2/NDF: 33159.8/47

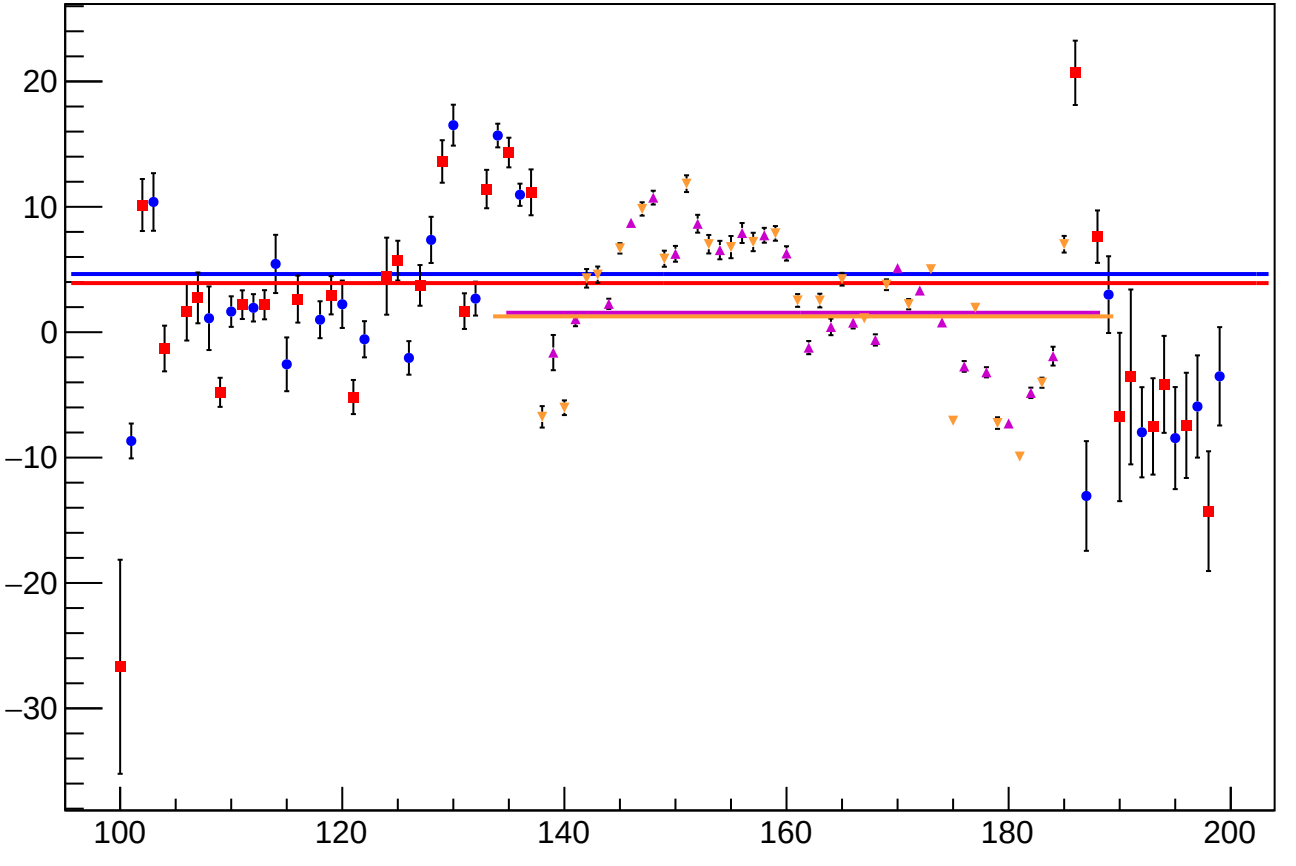
Right: -76.749+/-0.209 χ^2/NDF: 3478.1/48

In: -49.978+/-0.109 χ^2/NDF:24466.6/44

Out: -51.091+/-0.106 χ^2/NDF:30288.7/51

All: -50.549+/-0.076 χ^2/NDF: 54809.1/96

reg_asym_sam_37_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 4.639+/-0.341 χ^2/NDF: 464.7/21

Left Out: 1.261+/-0.100 χ^2/NDF:3445.7/24

Right Out: 3.917+/-0.347 χ^2/NDF: 376.1/26

Left In: 1.551+/-0.102 χ^2/NDF:2335.7/22

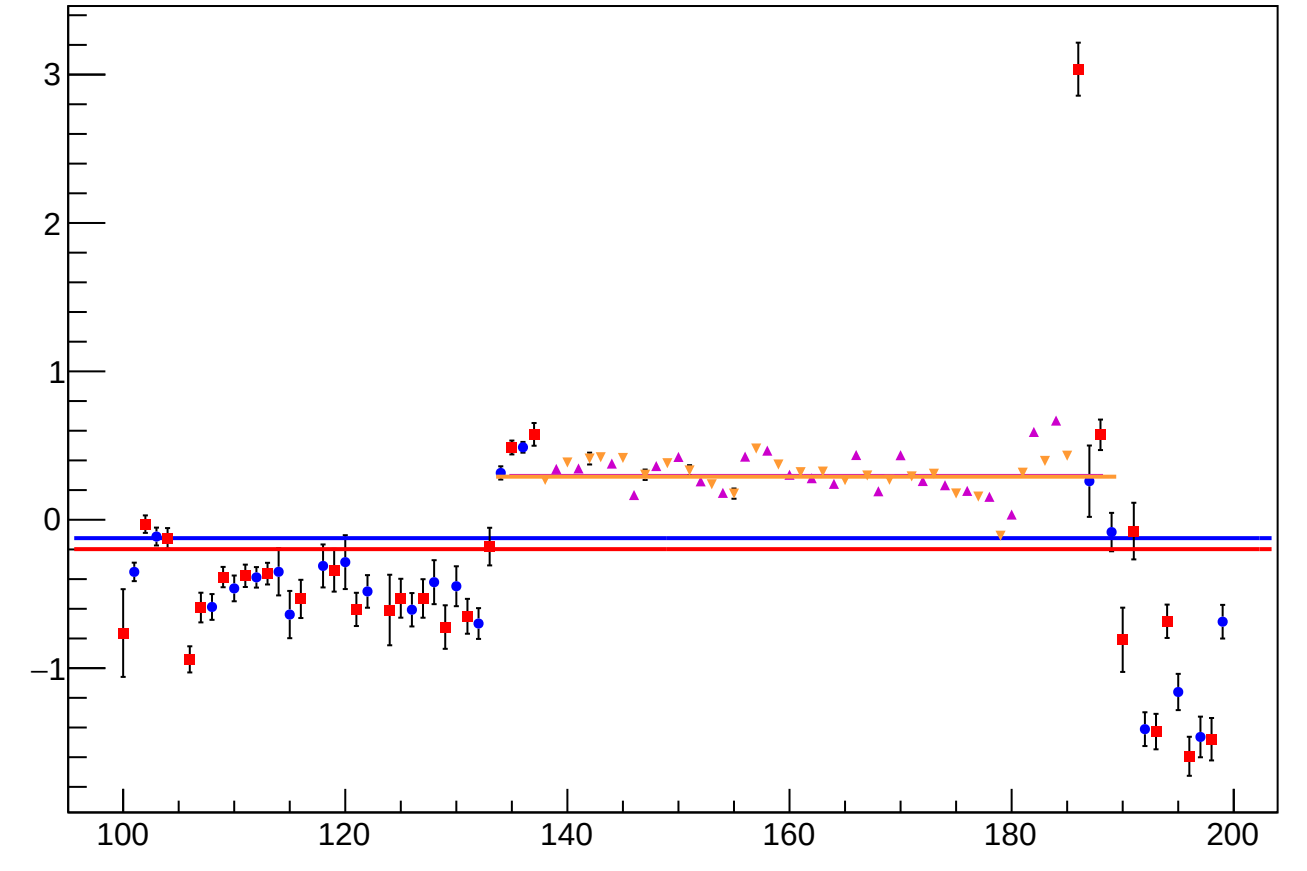
Left: 1.404+/-0.072 χ^2/NDF: 5785.4/47

Right: 4.284+/-0.243 χ^2/NDF: 842.9/48

In: 1.805+/-0.098 χ^2/NDF:2875.6/44

Out: 1.467+/-0.096 χ^2/NDF:3875.8/51

All: 1.633+/-0.069 χ^2/NDF: 6757.5/96



Right In: -0.124+/-0.018 χ^2/NDF: 862.4/21

Left Out: 0.290+/-0.004 χ^2/NDF:719.3/24

Right Out: -0.198+/-0.019 χ^2/NDF: 1209.1/26

Left In: 0.295+/-0.005 χ^2/NDF:1035.4/22

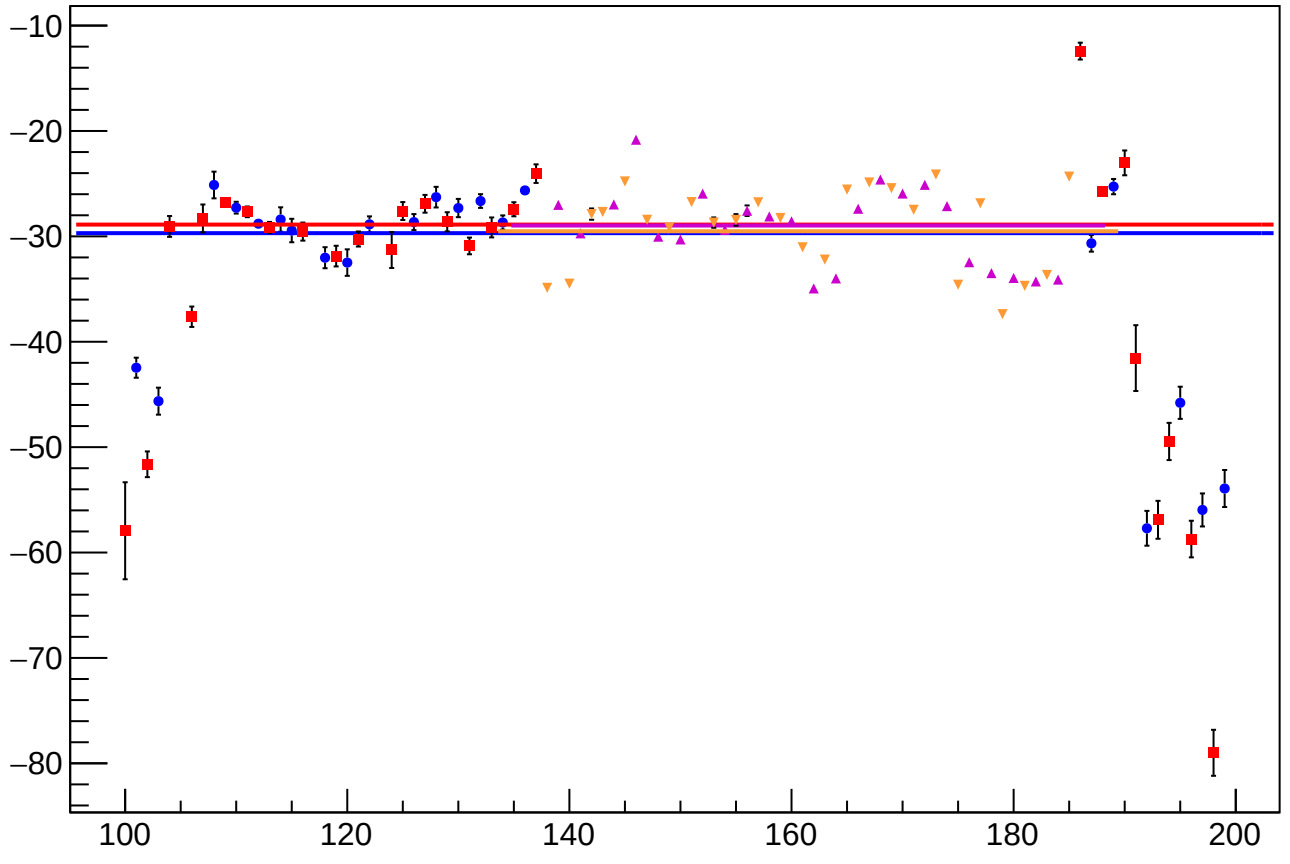
Left: 0.293+/-0.003 χ^2/NDF: 1755.3/47

Right: -0.159+/-0.013 χ^2/NDF: 2079.8/48

In: 0.270+/-0.004 χ^2/NDF:2415.7/44

Out: 0.264+/-0.004 χ^2/NDF:2577.3/51

All: 0.267+/-0.003 χ^2/NDF: 4993.9/96



Right In: -29.696+/-0.172 χ^2/NDF: 1424.1/21

Left Out: -29.516+/-0.056 χ^2/NDF:6088.5/24

Right Out: -28.883+/-0.160 χ^2/NDF: 2276.4/26

Left In: -28.971+/-0.057 χ^2/NDF:5348.6/22

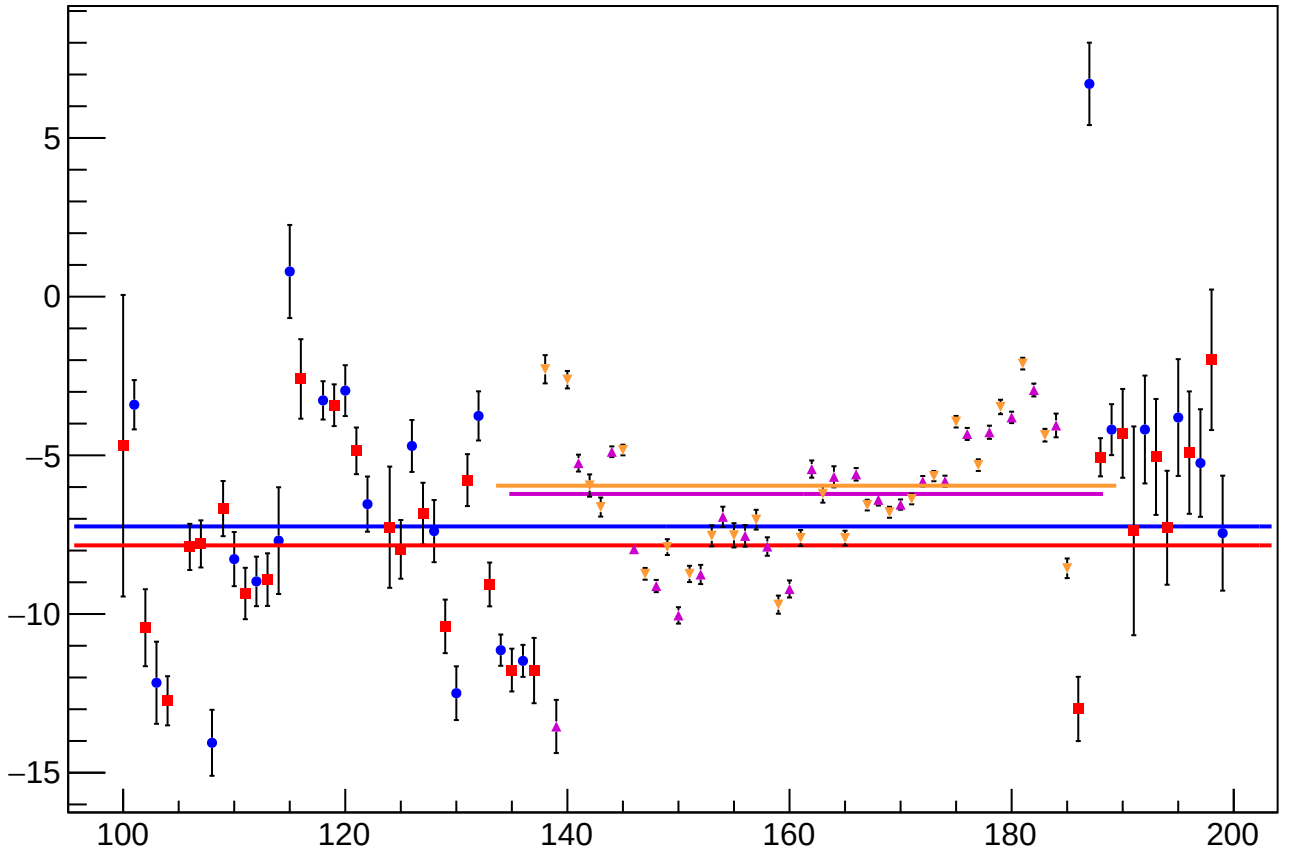
Left: -29.247+/-0.040 χ^2/NDF: 11483.3/47

Right: -29.260+/-0.117 χ^2/NDF: 3712.4/48

In: -29.043+/-0.054 χ^2/NDF:6788.7/44

Out: -29.446+/-0.053 χ^2/NDF:8378.8/51

All: -29.248+/-0.038 χ^2/NDF: 15195.8/96



Right In: -7.240+/-0.183 χ^2/NDF: 530.5/21

Left Out: -5.956+/-0.044 χ^2/NDF:1857.8/24

Right Out: -7.838+/-0.179 χ^2/NDF: 264.8/26

Left In: -6.217+/-0.044 χ^2/NDF:1741.8/22

Left: -6.087+/-0.031 χ^2/NDF: 3616.9/47

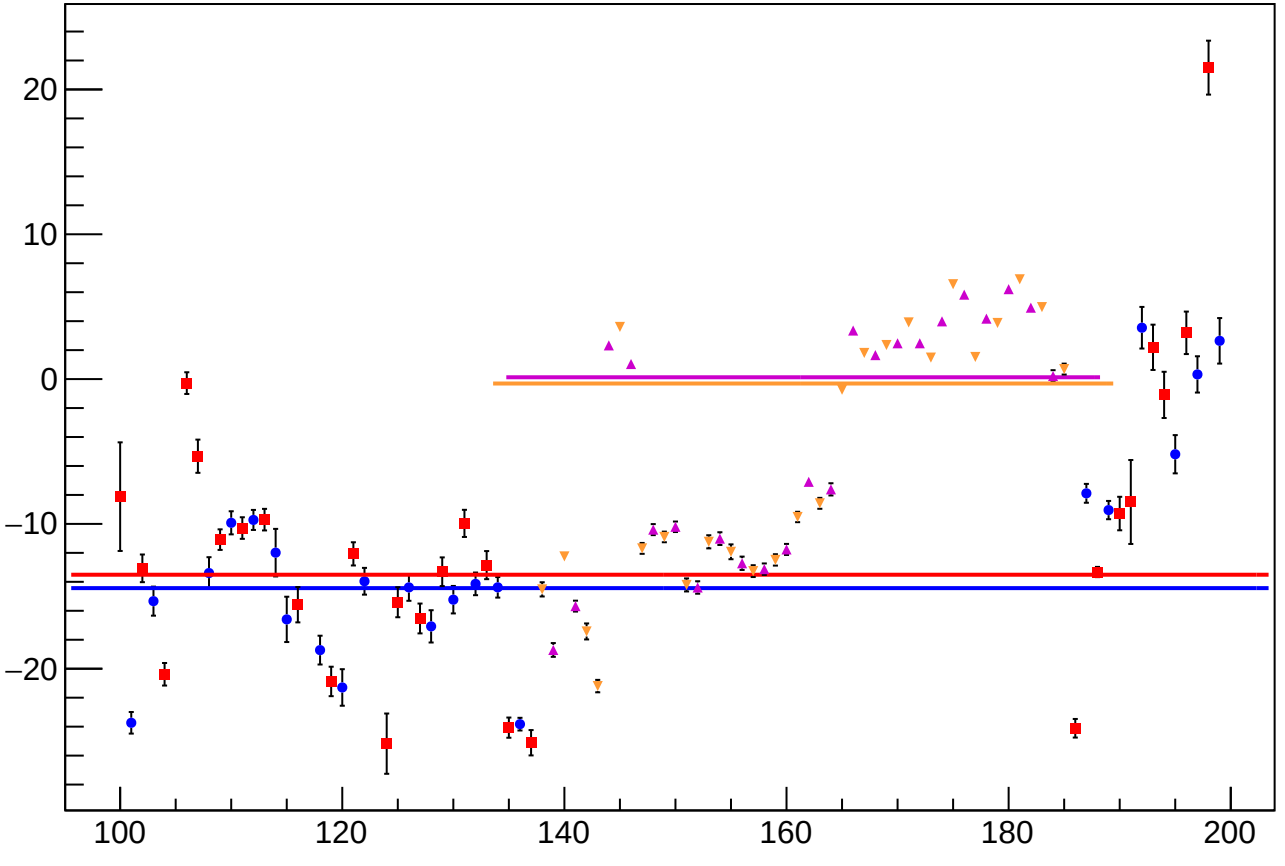
Right: -7.546+/-0.128 χ^2/NDF: 800.7/48

In: -6.273+/-0.043 χ^2/NDF:2301.7/44

Out: -6.066+/-0.043 χ^2/NDF:2226.9/51

All: -6.170+/-0.030 χ^2/NDF: 4540.2/96

reg_asym_sam_37_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -14.435+/-0.183 χ^2/NDF: 1391.4/21

Left Out: -0.306+/-0.057 χ^2/NDF:17181.6/24

Right Out: -13.510+/-0.167 χ^2/NDF: 1954.5/26

Left In: 0.125+/-0.057 χ^2/NDF:13838.6/22

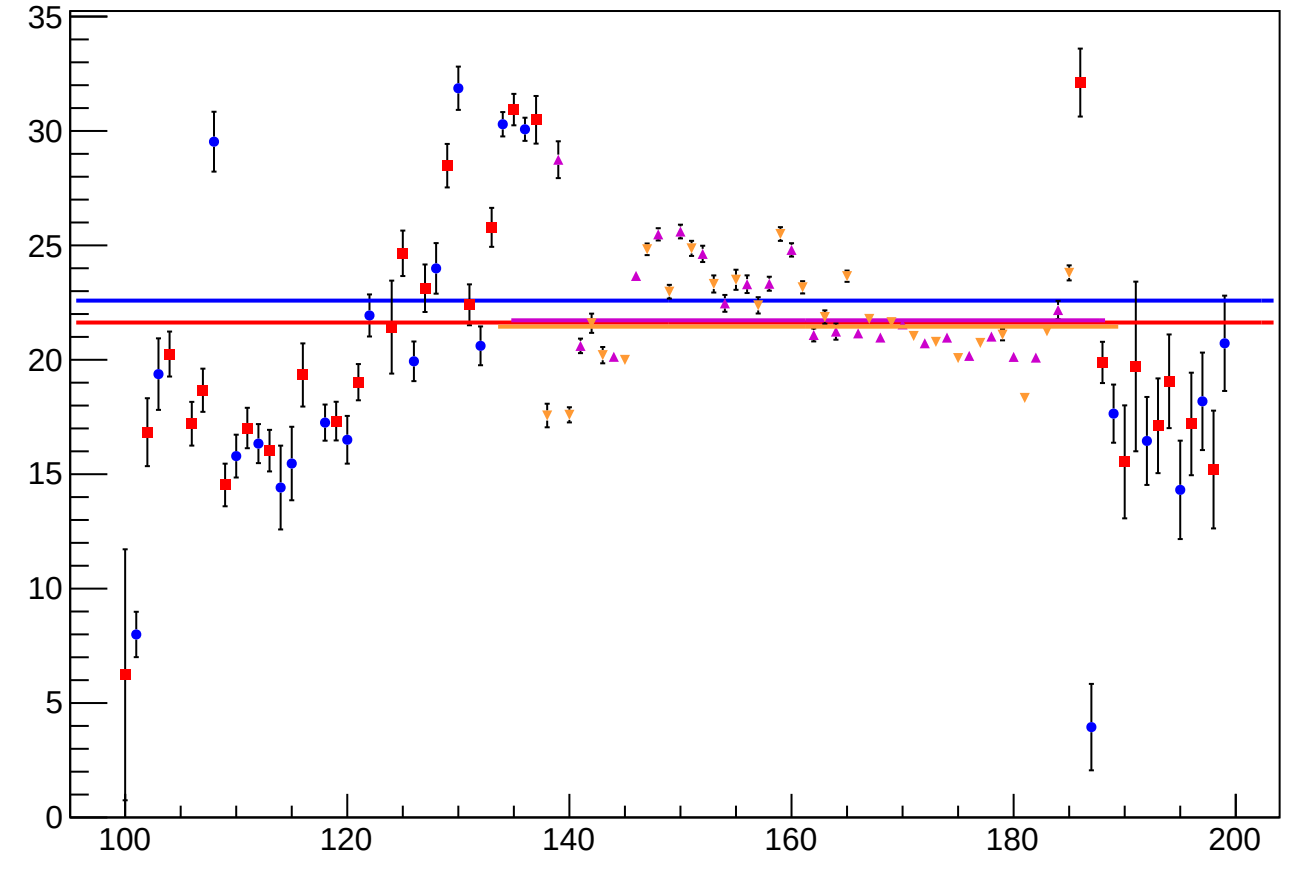
Left: -0.092+/-0.040 χ^2/NDF: 31049.0/47

Right: -13.930+/-0.124 χ^2/NDF: 3359.8/48

In: -1.159+/-0.054 χ^2/NDF:20985.4/44

Out: -1.659+/-0.054 χ^2/NDF:24722.4/51

All: -1.413+/-0.038 χ^2/NDF: 45750.6/96



Right In: 22.586+/-0.209 χ^2/NDF: 1159.0/21

Left Out: 21.447+/-0.050 χ^2/NDF:1325.2/24

Right Out: 21.628+/-0.210 χ^2/NDF: 634.9/26

Left In: 21.725+/-0.050 χ^2/NDF:1173.7/22

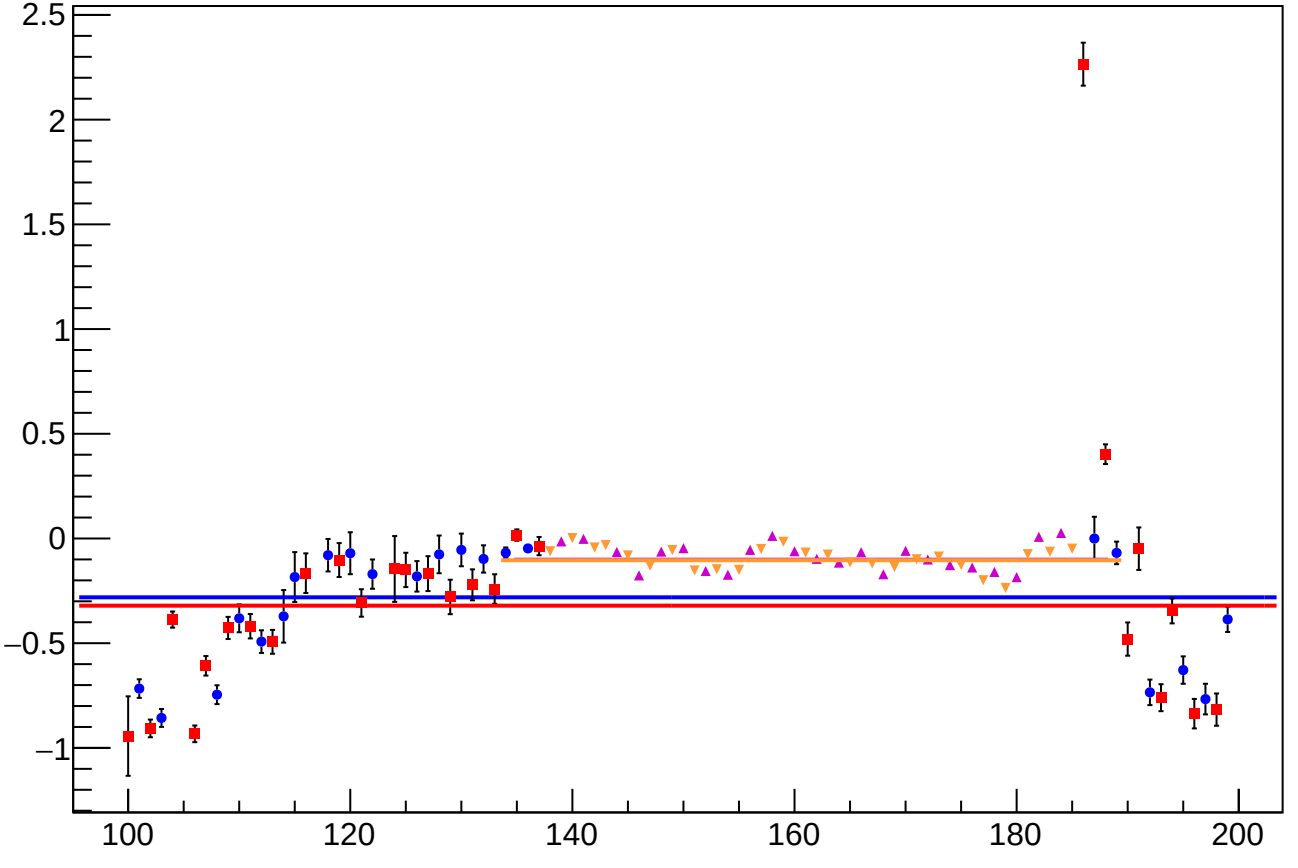
Left: 21.586+/-0.035 χ^2/NDF: 2514.7/47

Right: 22.110+/-0.148 χ^2/NDF: 1804.3/48

In: 21.771+/-0.048 χ^2/NDF:2348.8/44

Out: 21.456+/-0.048 χ^2/NDF:1960.8/51

All: 21.614+/-0.034 χ^2/NDF: 4330.8/96



Right In: -0.281+/-0.011 χ^2/NDF: 794.3/21

Left Out: -0.104+/-0.002 χ^2/NDF:547.4/24

Right Out: -0.321+/-0.011 χ^2/NDF: 1739.7/26

Left In: -0.101+/-0.002 χ^2/NDF:757.6/22

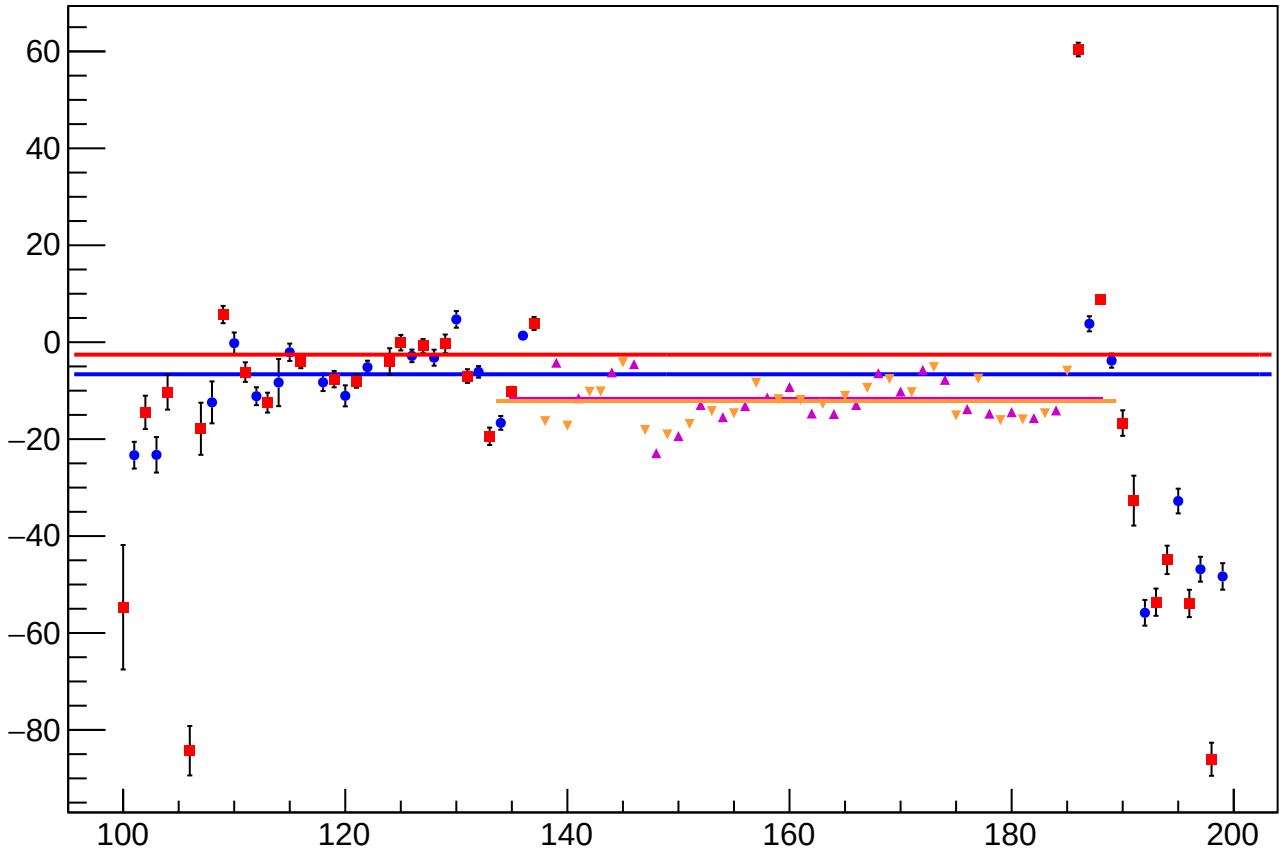
Left: -0.103+/-0.002 χ^2/NDF: 1305.7/47

Right: -0.300+/-0.008 χ^2/NDF: 2540.7/48

In: -0.109+/-0.002 χ^2/NDF:1822.7/44

Out: -0.112+/-0.002 χ^2/NDF:2660.9/51

All: -0.110+/-0.002 χ^2/NDF: 4484.8/96



Right In: -6.618+/-0.347 χ^2/NDF: 1307.4/21

Left Out: -12.143+/-0.092 χ^2/NDF:2130.5/24

Right Out: -2.566+/-0.340 χ^2/NDF: 4265.7/26

Left In: -11.698+/-0.094 χ^2/NDF:1951.0/22

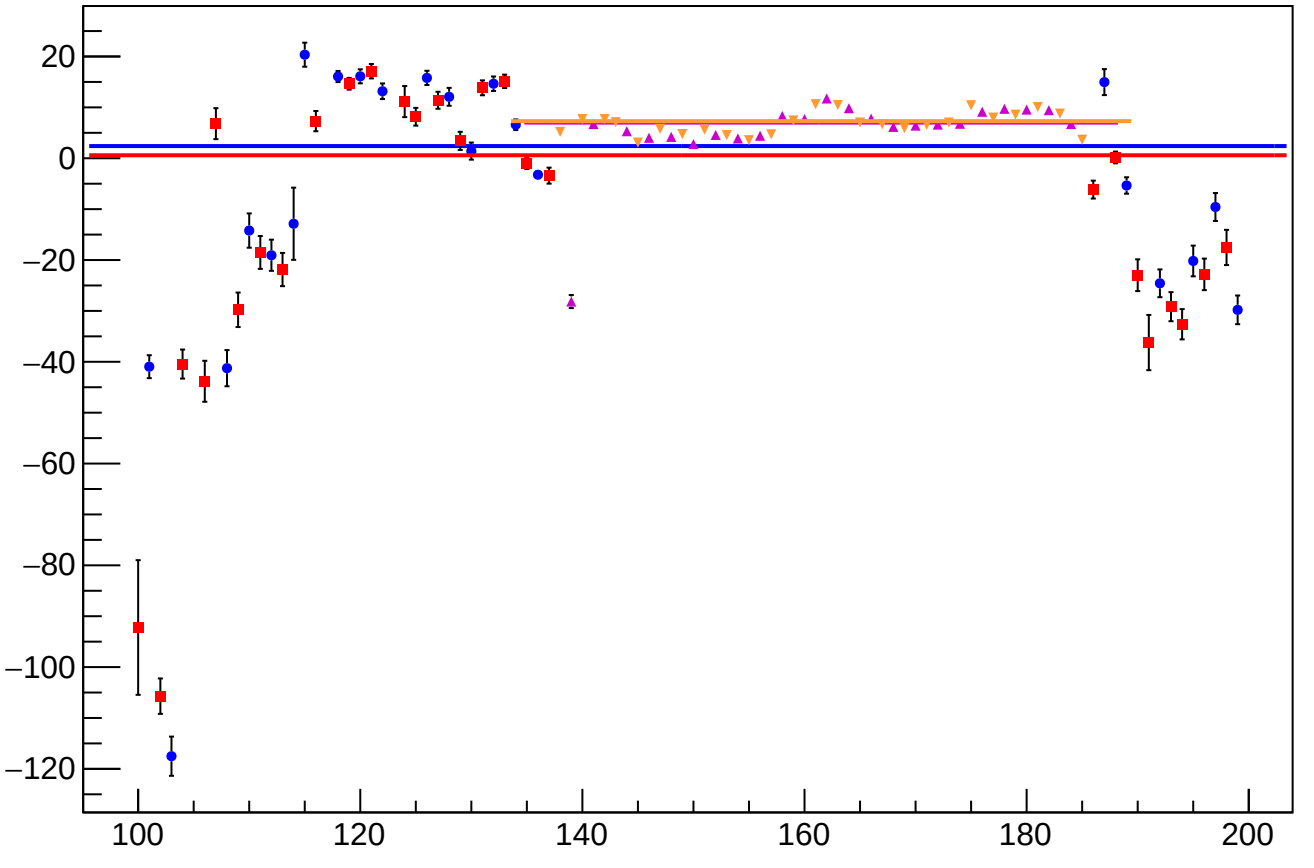
Left: -11.927+/-0.066 χ^2/NDF: 4092.9/47

Right: -4.554+/-0.243 χ^2/NDF: 5642.7/48

In: -11.348+/-0.091 χ^2/NDF:3458.5/44

Out: -11.497+/-0.088 χ^2/NDF:7135.3/51

All: -11.424+/-0.063 χ^2/NDF: 10595.2/96



Right In: 2.397+/-0.358 χ^2/NDF: 2543.5/21

Left Out: 7.297+/-0.075 χ^2/NDF:822.9/24

Right Out: 0.589+/-0.372 χ^2/NDF: 2497.4/26

Left In: 7.004+/-0.076 χ^2/NDF:1576.0/22

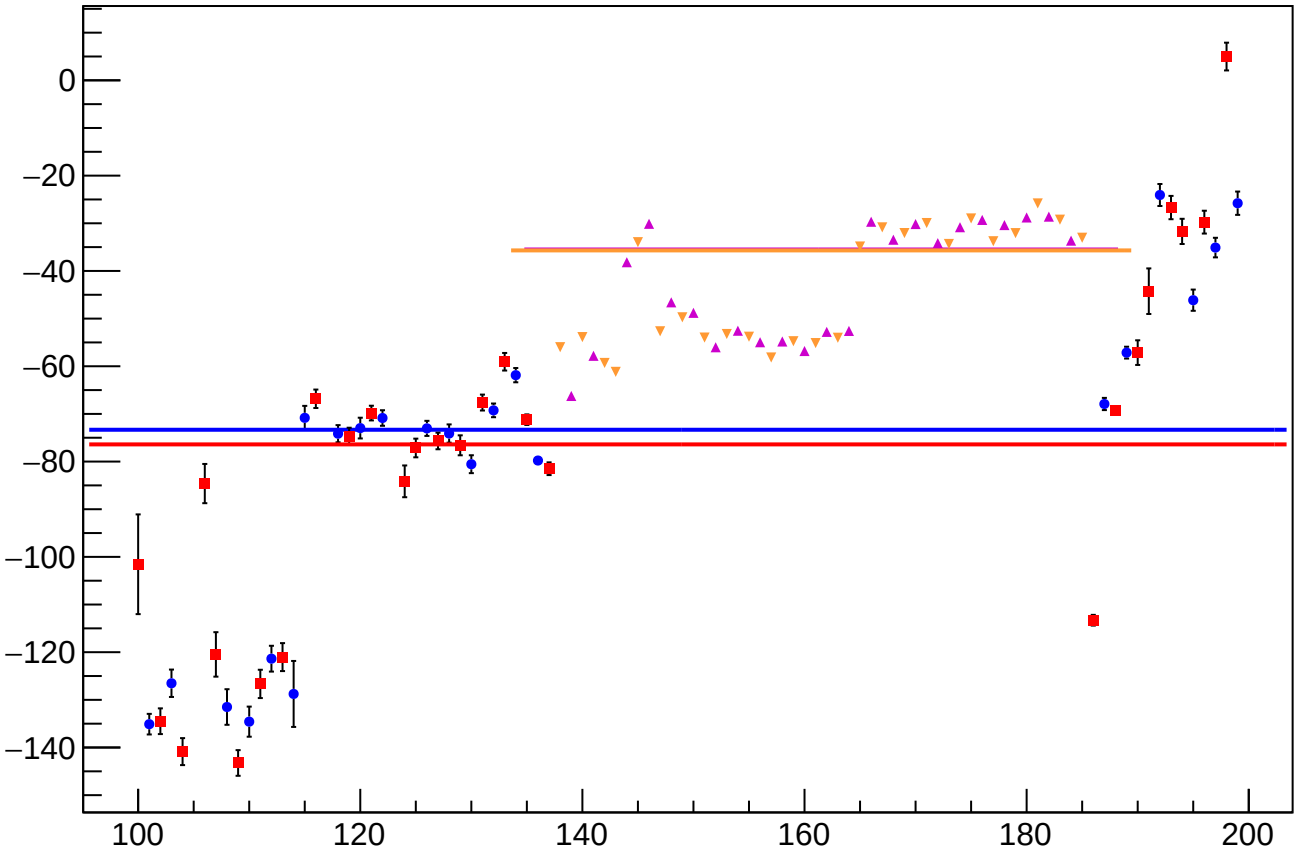
Left: 7.153+/-0.053 χ^2/NDF: 2406.4/47

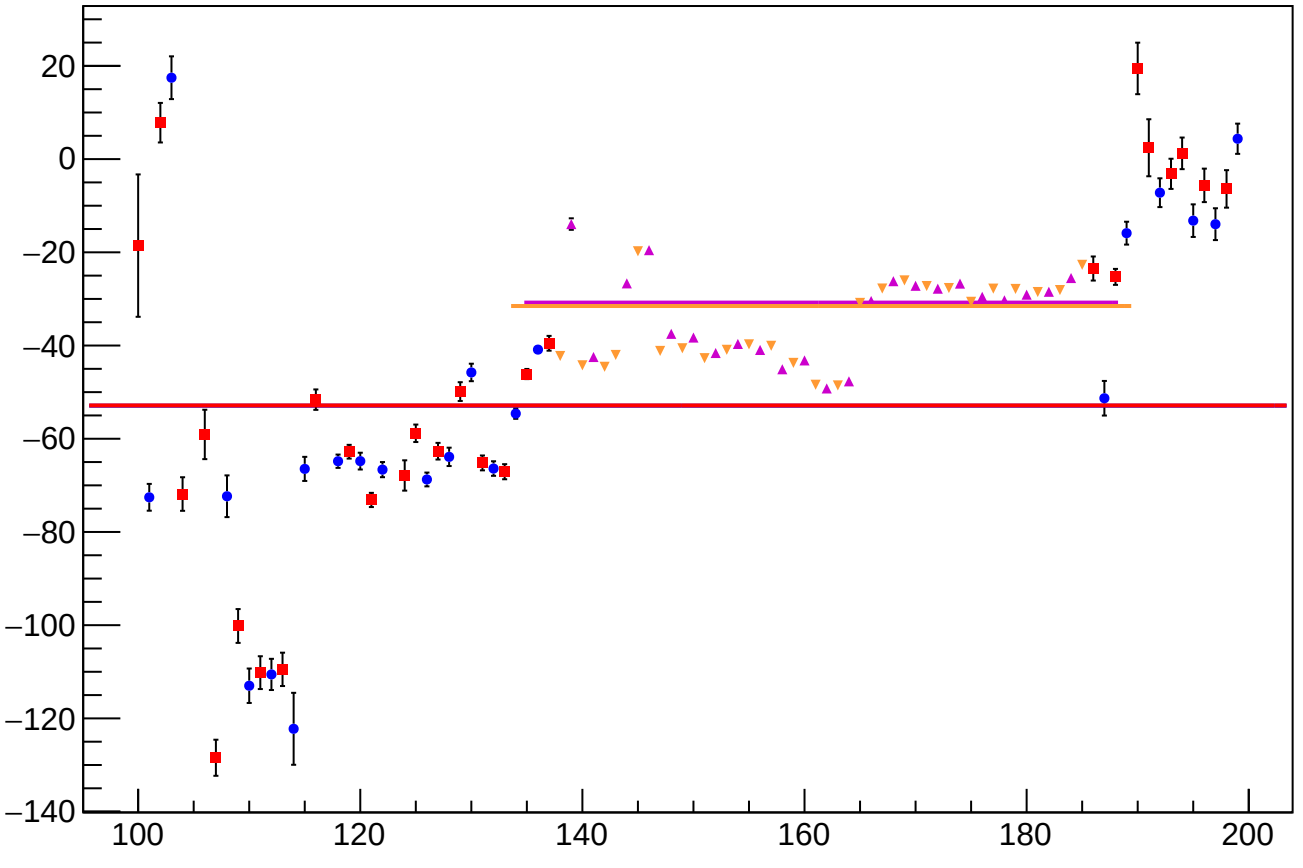
Right: 1.526+/-0.258 χ^2/NDF: 5053.1/48

In: 6.806+/-0.074 χ^2/NDF:4277.7/44

Out: 7.035+/-0.073 χ^2/NDF:3633.1/51

All: 6.922+/-0.052 χ^2/NDF: 7915.6/96


reg_asym_sam_26_avg_diff_bpm4eX_slope vs Slug, Sign Corrected
0
−20
−40
−60
−80
−100
−120
−140
100
120
140
160
180
200
Right In: -73.325+/-0.358 χ²/NDF: 3846.5/21
Left Out: -35.690+/-0.092 χ²/NDF:12778.3/24
Right Out: -76.396+/-0.342 χ²/NDF: 5570.0/26
Left In: -35.497+/-0.095 χ²/NDF:11162.0/22
Left: -35.596+/-0.066 χ²/NDF: 23942.5/47
Right: -74.932+/-0.247 χ²/NDF: 9455.1/48
In: -37.966+/-0.091 χ²/NDF:25448.8/44
Out: -38.455+/-0.089 χ²/NDF:31578.7/51
All: -38.217+/-0.064 χ²/NDF: 57042.1/96



Right In: -52.905+/-0.404 χ^2/NDF: 2640.9/21

Left Out: -31.520+/-0.083 χ^2/NDF:8457.7/24

Right Out: -52.855+/-0.430 χ^2/NDF: 3276.1/26

Left In: -30.789+/-0.084 χ^2/NDF:7548.8/22

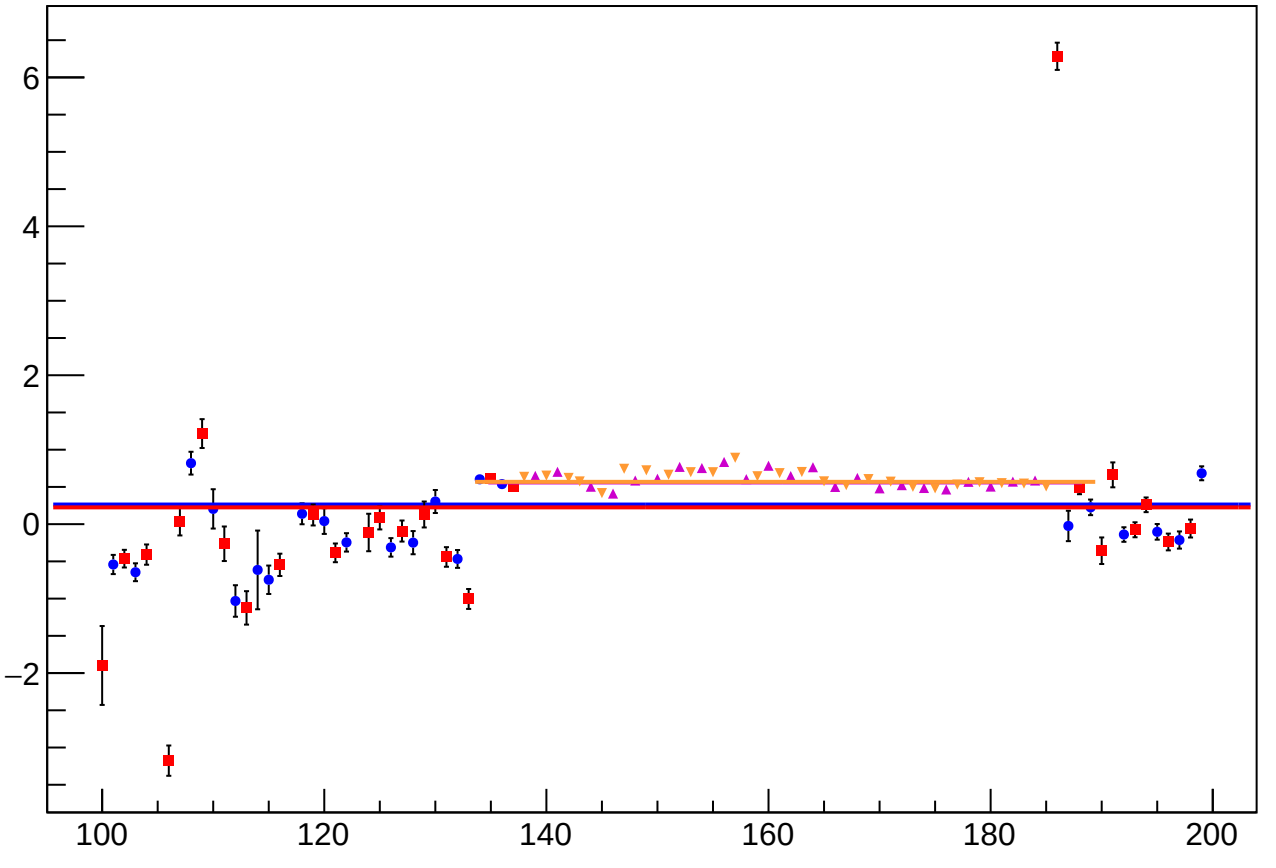
Left: -31.161+/-0.059 χ^2/NDF: 16044.8/47

Right: -52.881+/-0.295 χ^2/NDF: 5917.0/48

In: -31.711+/-0.083 χ^2/NDF:13059.8/44

Out: -32.281+/-0.081 χ^2/NDF:14103.7/51

All: -32.001+/-0.058 χ^2/NDF: 27187.7/96



Right In: 0.263+/-0.020 χ^2/NDF: 446.0/21

Left Out: 0.568+/-0.004 χ^2/NDF:554.5/24

Right Out: 0.225+/-0.022 χ^2/NDF: 1841.2/26

Left In: 0.560+/-0.004 χ^2/NDF:671.5/22

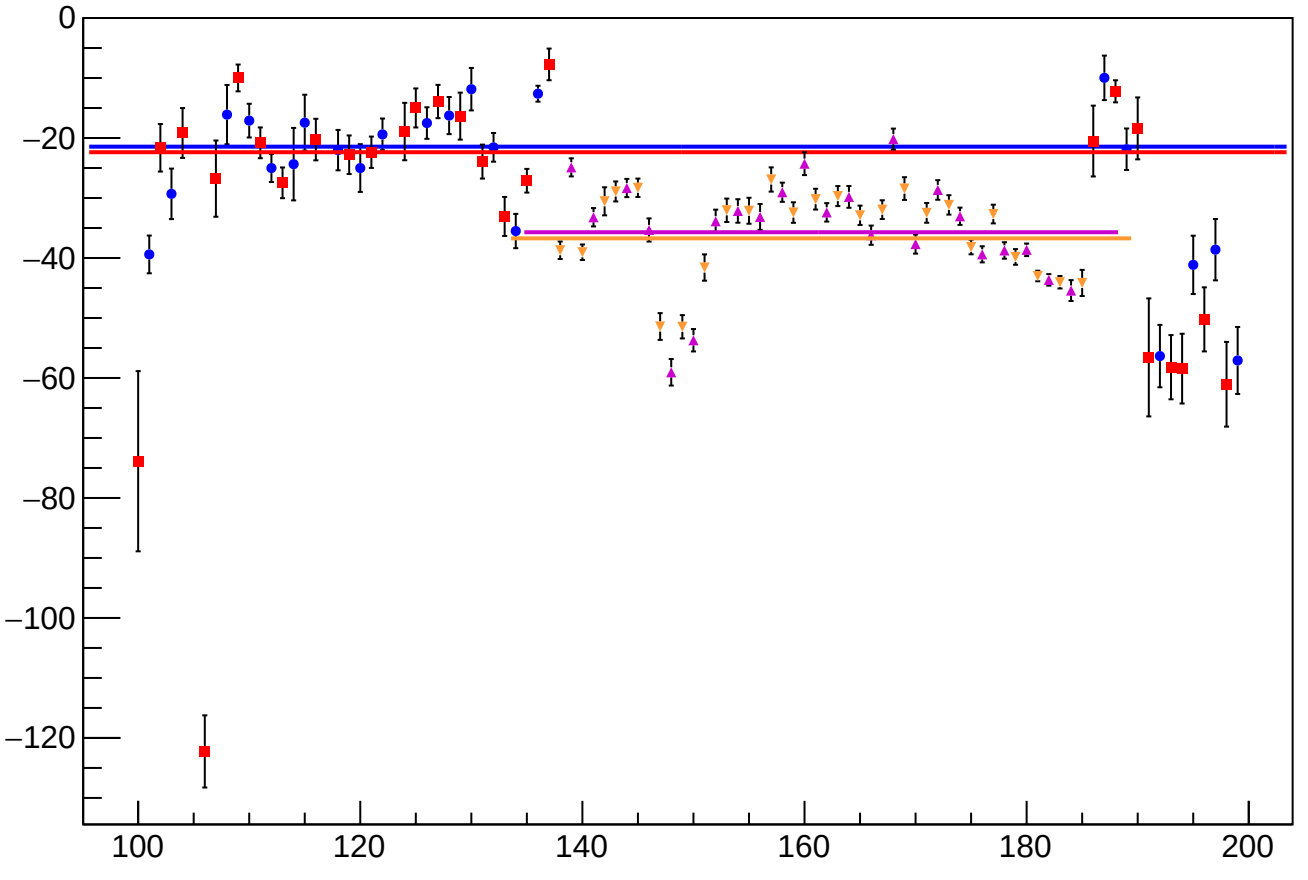
Left: 0.564+/-0.003 χ^2/NDF: 1228.5/47

Right: 0.246+/-0.015 χ^2/NDF: 2288.8/48

In: 0.550+/-0.004 χ^2/NDF:1321.3/44

Out: 0.559+/-0.004 χ^2/NDF:2625.8/51

All: 0.555+/-0.003 χ^2/NDF: 3950.1/96



Right In: -21.444+/-0.649 χ^2/NDF: 248.4/21

Left Out: -36.724+/-0.310 χ^2/NDF:420.8/24

Right Out: -22.368+/-0.638 χ^2/NDF: 572.9/26

Left In: -35.706+/-0.323 χ^2/NDF:578.6/22

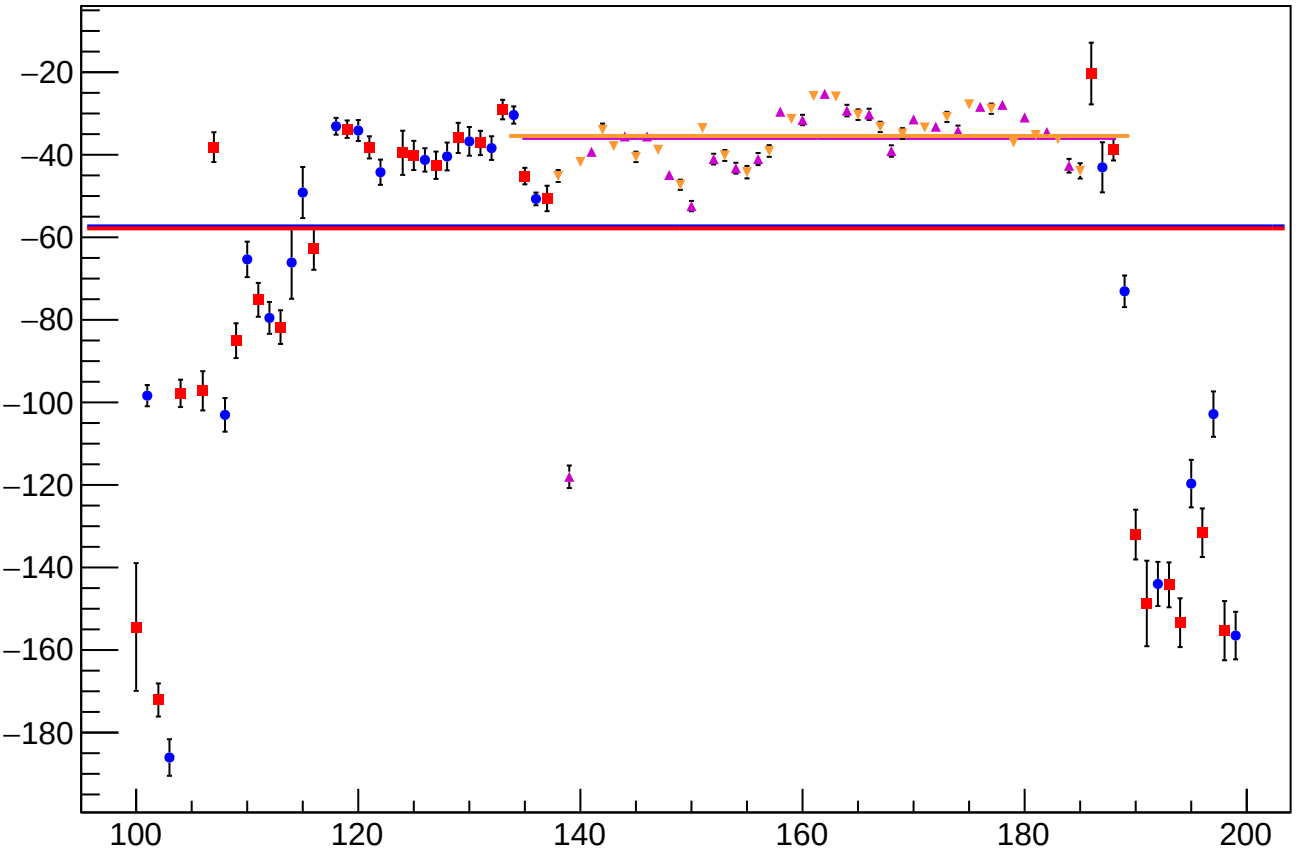
Left: -36.236+/-0.224 χ^2/NDF: 1004.6/47

Right: -21.914+/-0.455 χ^2/NDF: 822.3/48

In: -32.869+/-0.289 χ^2/NDF:1214.4/44

Out: -33.981+/-0.279 χ^2/NDF:1402.9/51

All: -33.445+/-0.201 χ^2/NDF: 2624.9/96



Right In: -57.358+/-0.671 χ^2/NDF: 2596.8/21

Left Out: -35.442+/-0.245 χ^2/NDF:537.8/24

Right Out: -57.841+/-0.691 χ^2/NDF: 2870.7/26

Left In: -35.913+/-0.256 χ^2/NDF:1543.1/22

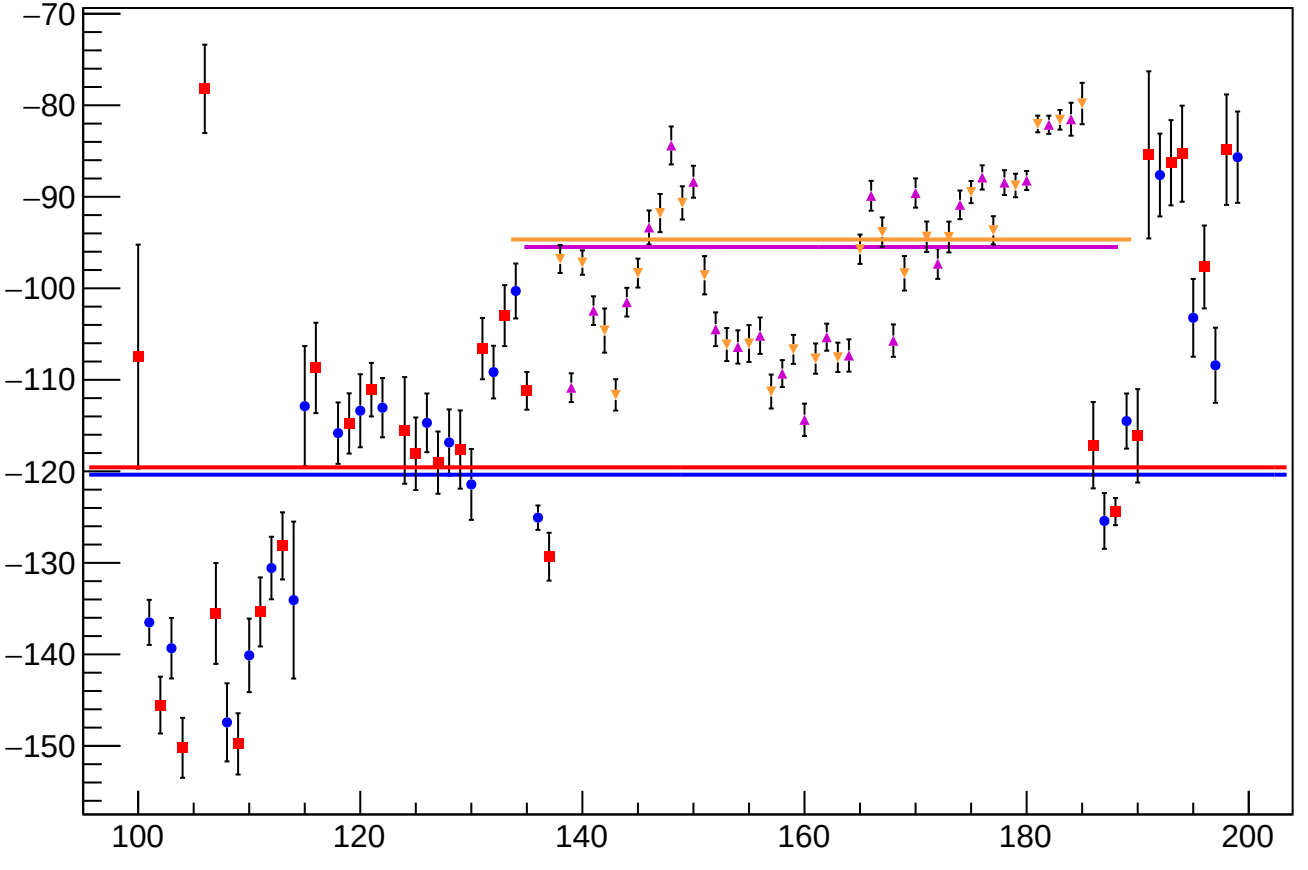
Left: -35.667+/-0.177 χ^2/NDF: 2082.7/47

Right: -57.593+/-0.481 χ^2/NDF: 5467.8/48

In: -38.637+/-0.239 χ^2/NDF:5030.4/44

Out: -37.944+/-0.231 χ^2/NDF:4343.2/51

All: -38.278+/-0.166 χ^2/NDF: 9377.9/96



Right In: -120.365+/-0.674 χ^2/NDF: 371.5/21

Left Out: -94.663+/-0.310 χ^2/NDF:900.1/24

Right Out: -119.560+/-0.664 χ^2/NDF: 606.8/26

Left In: -95.489+/-0.321 χ^2/NDF:970.1/22

Left: -95.061+/-0.223 χ^2/NDF: 1873.6/47

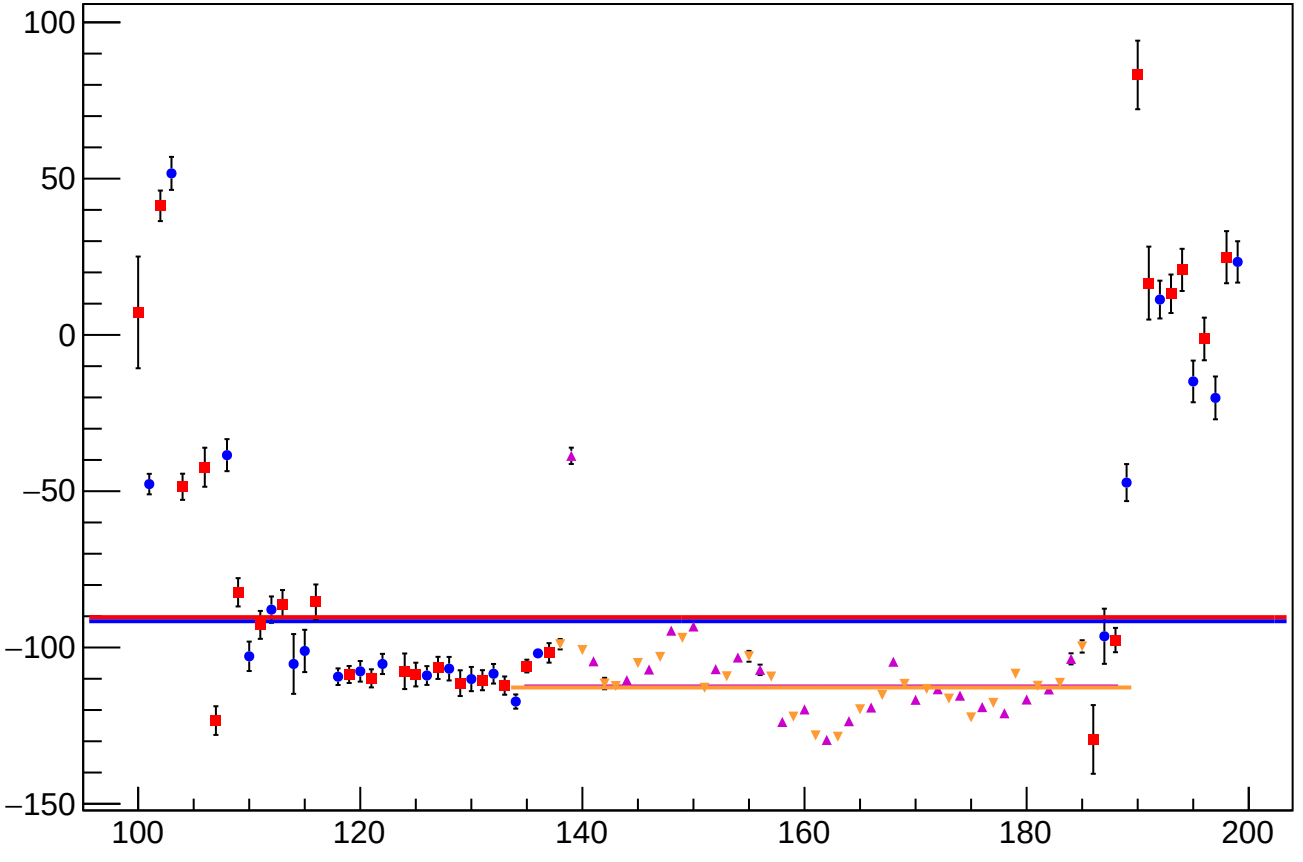
Right: -119.957+/-0.473 χ^2/NDF: 979.0/48

In: -100.089+/-0.290 χ^2/NDF:2450.9/44

Out: -99.112+/-0.281 χ^2/NDF:2660.8/51

All: -99.585+/-0.202 χ^2/NDF: 5117.5/96

reg_asym_sam_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -91.593+/-0.761 χ^2/NDF: 2281.5/21

Left Out: -112.794+/-0.274 χ^2/NDF:936.4/24

Right Out: -90.289+/-0.795 χ^2/NDF: 2574.5/26

Left In: -112.465+/-0.285 χ^2/NDF:1788.6/22

Left: -112.636+/-0.197 χ^2/NDF: 2725.7/47

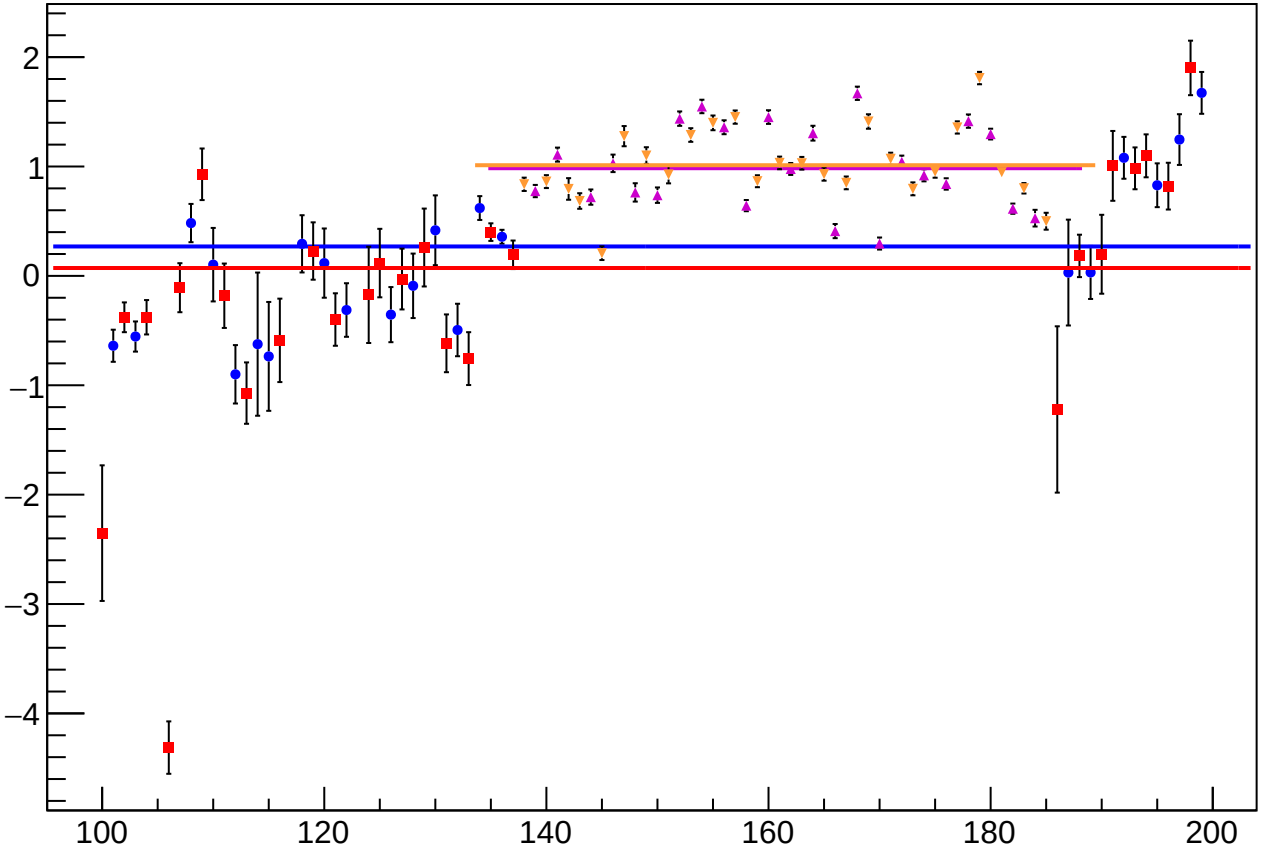
Right: -90.970+/-0.550 χ^2/NDF: 4857.4/48

In: -109.902+/-0.267 χ^2/NDF:4729.5/44

Out: -110.404+/-0.259 χ^2/NDF:4227.2/51

All: -110.160+/-0.186 χ^2/NDF: 8958.5/96

reg_asym_sam_26_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.269+/-0.038 χ^2/NDF: 235.5/21

Left Out: 1.012+/-0.012 χ^2/NDF:691.2/24

Right Out: 0.072+/-0.040 χ^2/NDF: 572.6/26

Left In: 0.984+/-0.013 χ^2/NDF:900.0/22

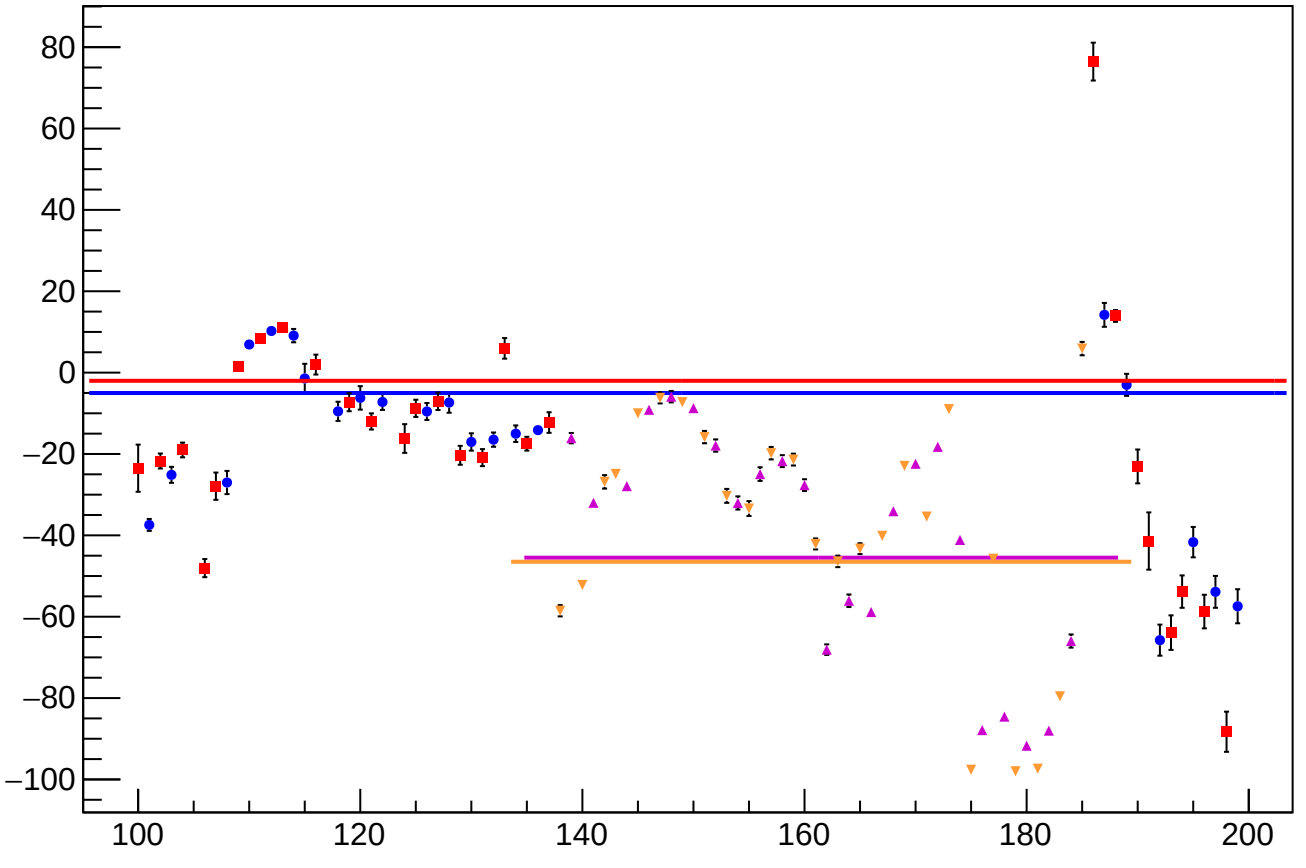
Left: 0.998+/-0.009 χ^2/NDF: 1593.6/47

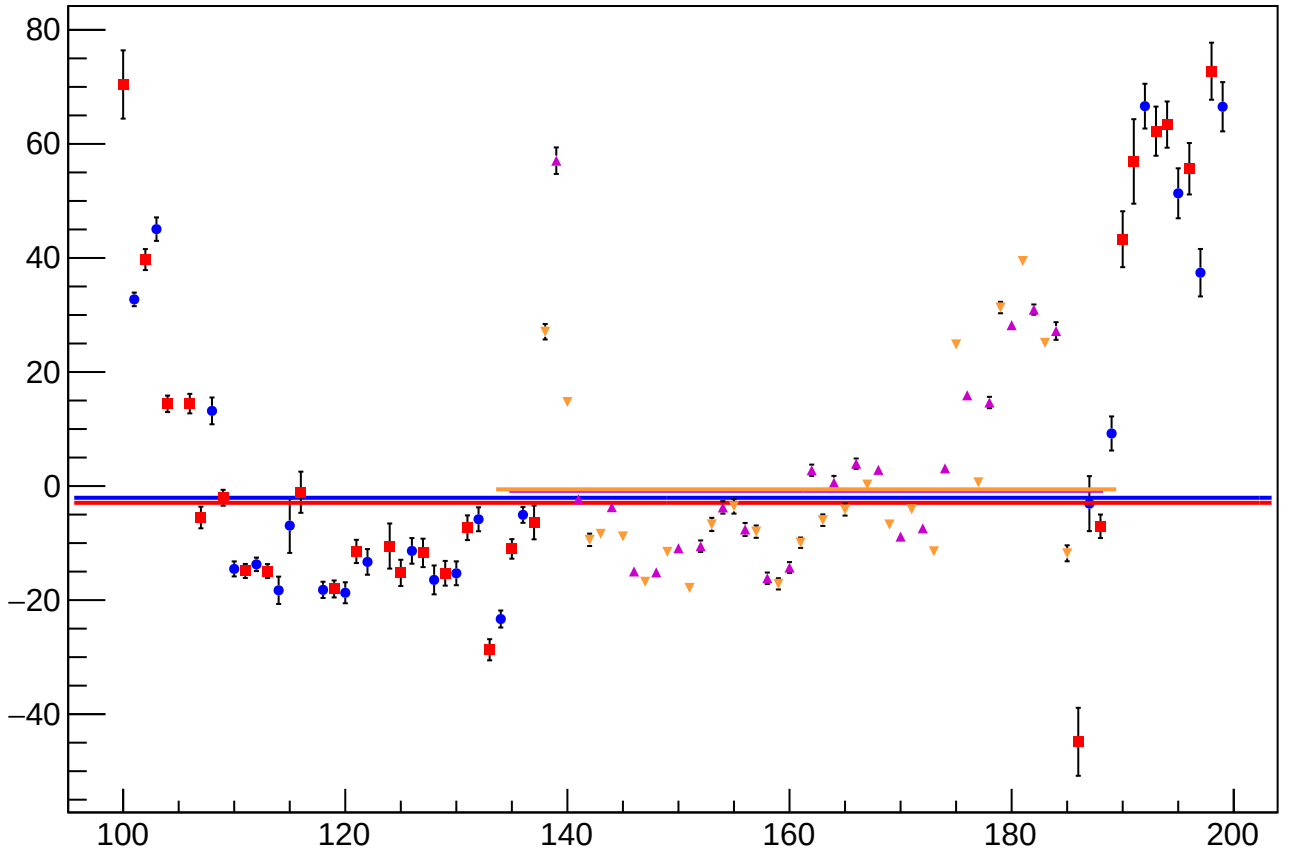
Right: 0.176+/-0.027 χ^2/NDF: 821.0/48

In: 0.913+/-0.012 χ^2/NDF:1461.4/44

Out: 0.930+/-0.012 χ^2/NDF:1774.7/51

All: 0.921+/-0.008 χ^2/NDF: 3237.2/96


reg_asym_sam_48_avg_diff_bpm1X_slope vs Slug, Sign Corrected
80
60
40
20
0
−20
−40
−60
−80
−100
100
120
140
160
180
200
Right In: -5.013+/-0.364 χ²/NDF: 2249.6/21
Left Out: -46.493+/-0.230 χ²/NDF:20046.7/24
Right Out: -2.013+/-0.324 χ²/NDF: 2864.8/26
Left In: -45.487+/-0.238 χ²/NDF:15571.1/22
Left: -46.006+/-0.165 χ²/NDF: 35627.0/47
Right: -3.338+/-0.242 χ²/NDF: 5152.4/48
In: -33.375+/-0.199 χ²/NDF:26497.9/44
Out: -31.558+/-0.188 χ²/NDF:35460.4/51
All: -32.412+/-0.136 χ²/NDF: 62002.5/96



Right In: -2.055+/-0.416 χ^2/NDF: 2997.5/21

Left Out: -0.572+/-0.177 χ^2/NDF:8451.5/24

Right Out: -2.939+/-0.404 χ^2/NDF: 2647.0/26

Left In: -0.828+/-0.183 χ^2/NDF:6116.6/22

Left: -0.696+/-0.127 χ^2/NDF: 14569.0/47

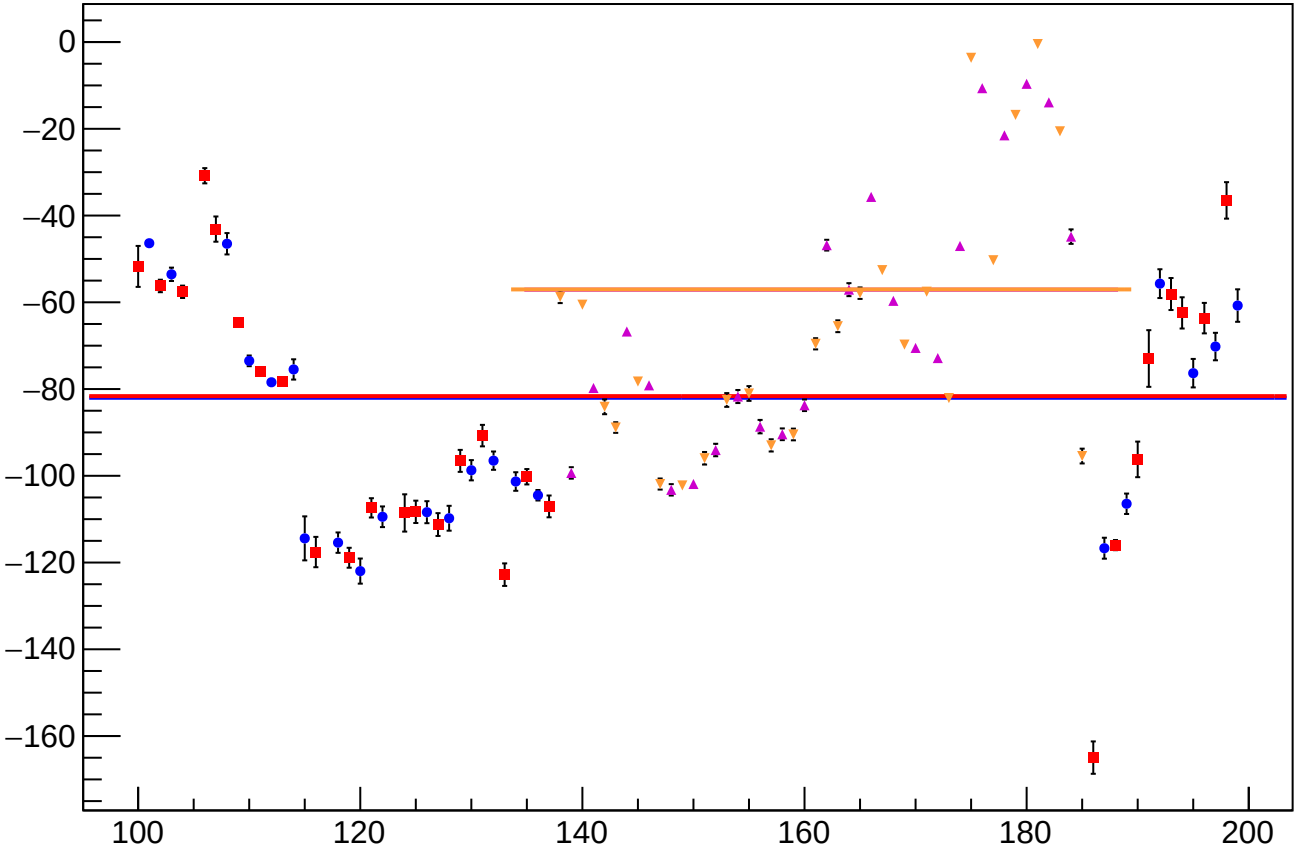
Right: -2.511+/-0.290 χ^2/NDF: 5646.9/48

In: -1.027+/-0.168 χ^2/NDF:9121.4/44

Out: -0.955+/-0.162 χ^2/NDF:11127.3/51

All: -0.990+/-0.117 χ^2/NDF: 20248.8/96

reg_asym_sam_48_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -82.006+/-0.411 χ^2/NDF: 3300.8/21

Left Out: -57.029+/-0.230 χ^2/NDF:20309.3/24

Right Out: -81.635+/-0.380 χ^2/NDF: 4818.0/26

Left In: -57.091+/-0.237 χ^2/NDF:17167.8/22

Left: -57.059+/-0.165 χ^2/NDF: 37477.1/47

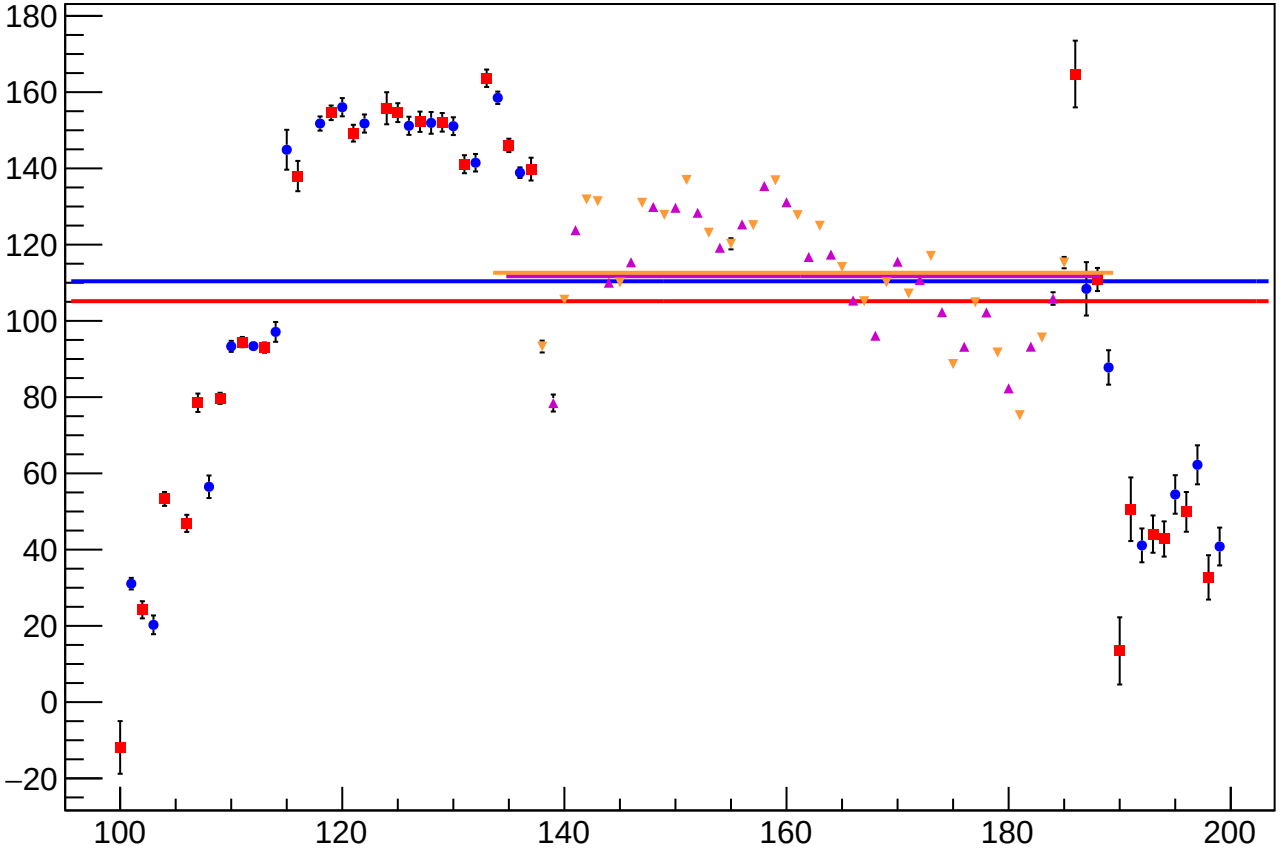
Right: -81.806+/-0.279 χ^2/NDF: 8119.3/48

In: -63.284+/-0.205 χ^2/NDF:23225.4/44

Out: -63.623+/-0.197 χ^2/NDF:28197.7/51

All: -63.461+/-0.142 χ^2/NDF: 51424.5/96

reg_asym_sam_48_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 110.390+/-0.476 χ^2/NDF: 8911.7/21

Left Out: 112.625+/-0.200 χ^2/NDF:6708.0/24

Right Out: 105.165+/-0.463 χ^2/NDF: 8375.1/26

Left In: 111.720+/-0.206 χ^2/NDF:4896.8/22

Left: 112.186+/-0.143 χ^2/NDF: 11614.7/47

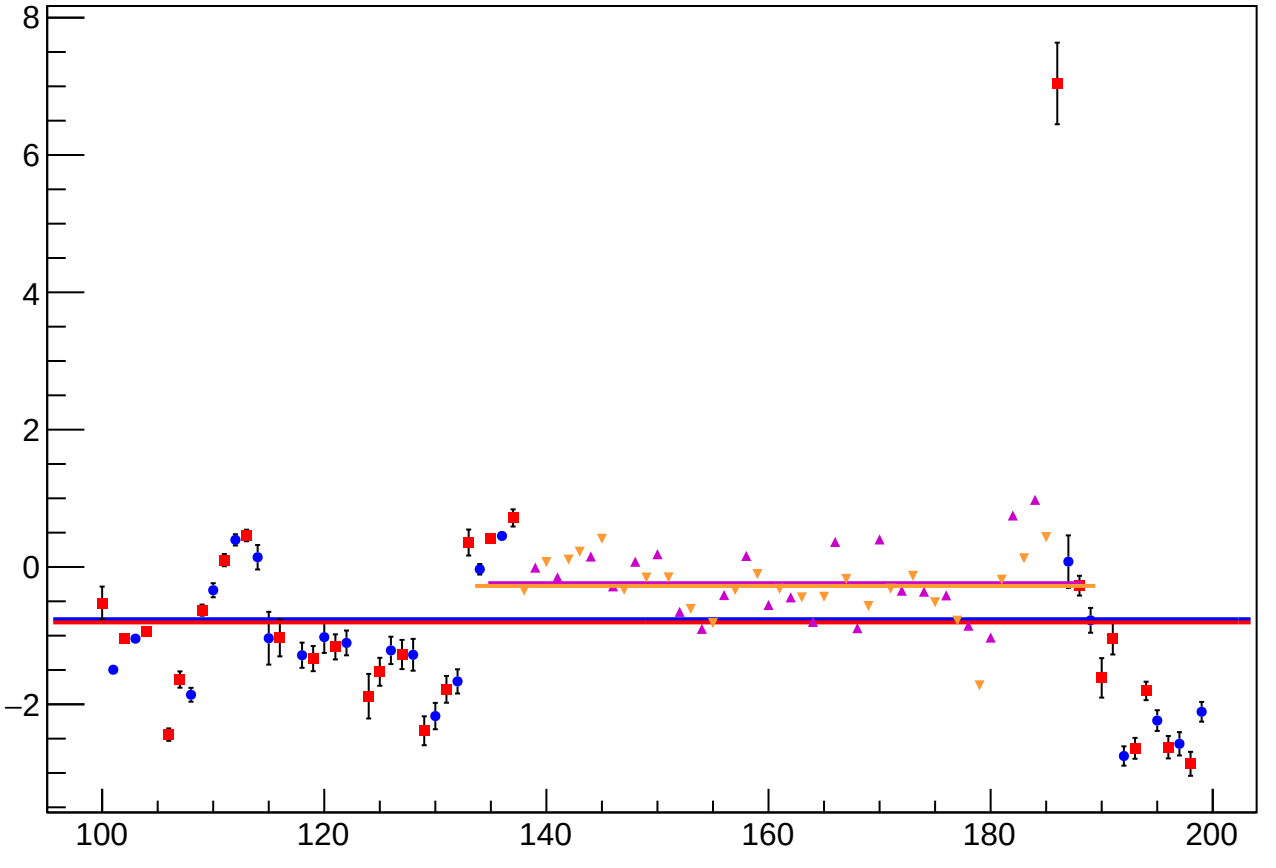
Right: 107.710+/-0.332 χ^2/NDF: 17348.7/48

In: 111.510+/-0.189 χ^2/NDF:13815.1/44

Out: 111.454+/-0.184 χ^2/NDF:15301.5/51

All: 111.481+/-0.132 χ^2/NDF: 29116.6/96

reg_asym_sam_48_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.761+/-0.024 χ^2/NDF: 1656.4/21

Left Out: -0.276+/-0.009 χ^2/NDF:2122.4/24

Right Out: -0.807+/-0.023 χ^2/NDF: 2012.9/26

Left In: -0.236+/-0.009 χ^2/NDF:2961.3/22

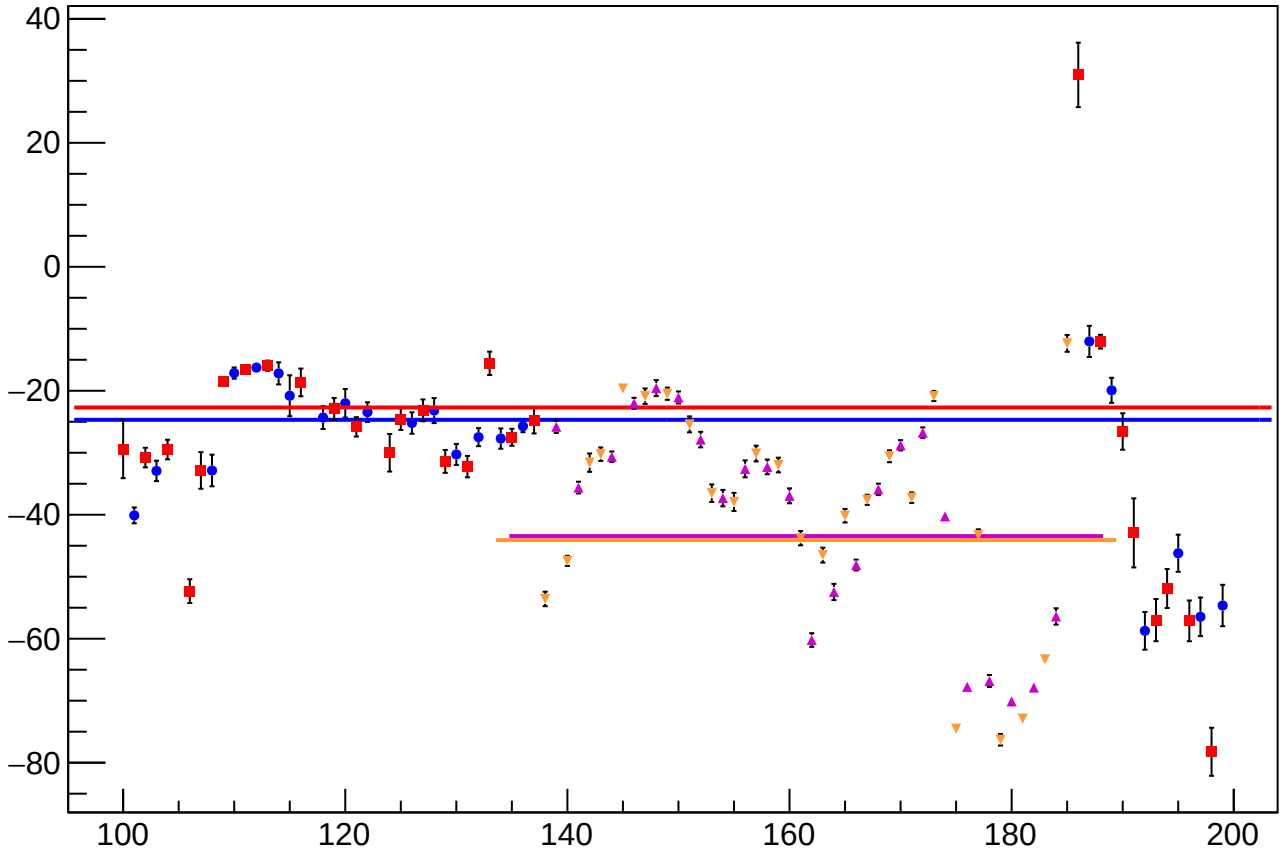
Left: -0.257+/-0.006 χ^2/NDF: 5093.1/47

Right: -0.785+/-0.017 χ^2/NDF: 3671.1/48

In: -0.303+/-0.009 χ^2/NDF:5030.9/44

Out: -0.344+/-0.008 χ^2/NDF:4584.2/51

All: -0.324+/-0.006 χ^2/NDF: 9626.9/96



Right In: -24.685+/-0.332 χ^2/NDF: 808.9/21

Left Out: -44.087+/-0.193 χ^2/NDF:10340.4/24

Right Out: -22.698+/-0.302 χ^2/NDF: 1268.3/26

Left In: -43.444+/-0.199 χ^2/NDF:7820.5/22

Left: -43.775+/-0.138 χ^2/NDF: 18166.3/47

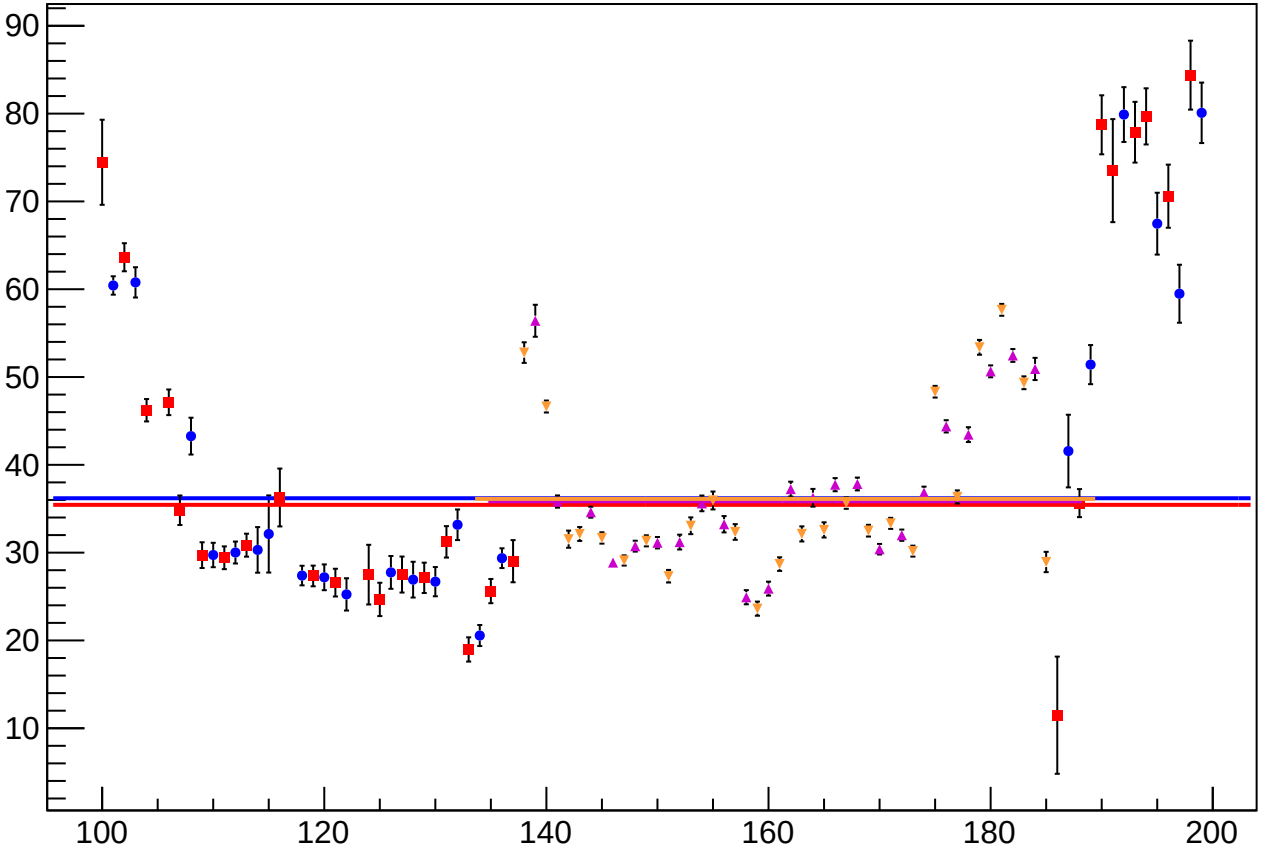
Right: -23.595+/-0.223 χ^2/NDF: 2096.8/48

In: -38.502+/-0.171 χ^2/NDF:10977.3/44

Out: -37.870+/-0.163 χ^2/NDF:15178.1/51

All: -38.171+/-0.118 χ^2/NDF: 26162.6/96

reg_asym_sam_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 36.195+/-0.360 χ^2/NDF: 1757.0/21

Left Out: 36.123+/-0.150 χ^2/NDF:3558.5/24

Right Out: 35.444+/-0.352 χ^2/NDF: 1735.0/26

Left In: 35.852+/-0.155 χ^2/NDF:2293.5/22

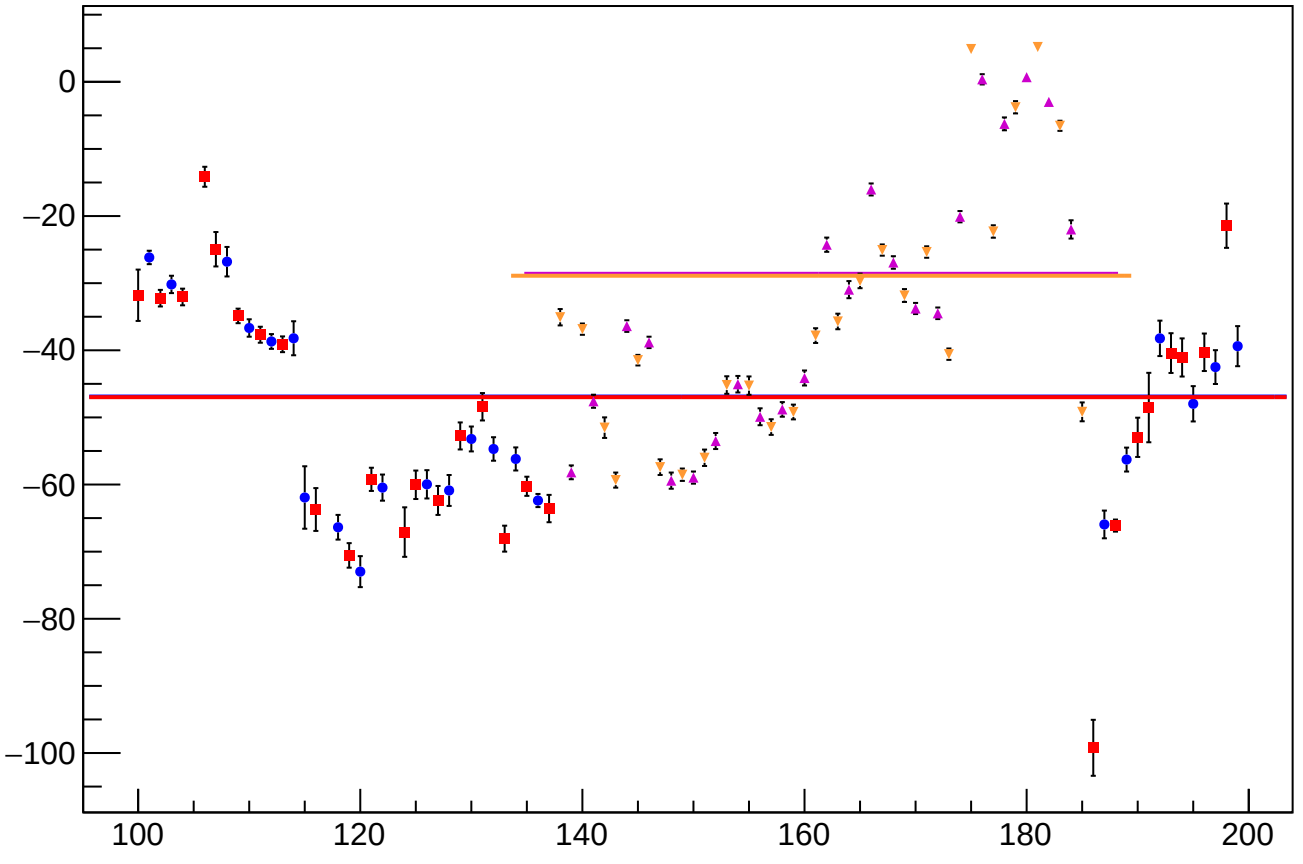
Left: 35.992+/-0.108 χ^2/NDF: 5853.6/47

Right: 35.811+/-0.252 χ^2/NDF: 3494.3/48

In: 35.906+/-0.142 χ^2/NDF:4051.3/44

Out: 36.019+/-0.138 χ^2/NDF:5296.7/51

All: 35.964+/-0.099 χ^2/NDF: 9348.3/96



Right In: -46.890+/-0.361 χ^2/NDF: 1626.3/21

Left Out: -28.891+/-0.193 χ^2/NDF:11798.4/24

Right Out: -46.983+/-0.335 χ^2/NDF: 2425.9/26

Left In: -28.605+/-0.198 χ^2/NDF:10014.7/22

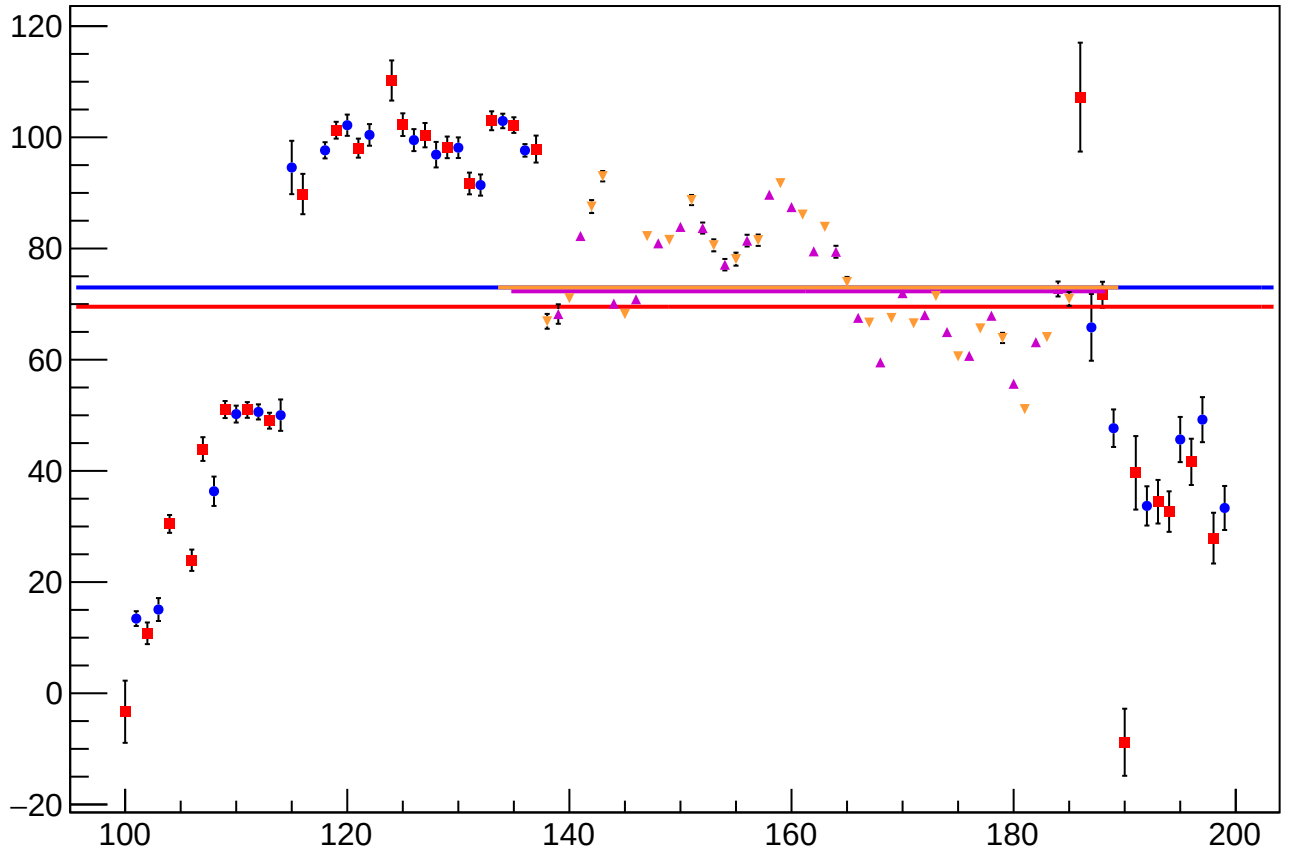
Left: -28.751+/-0.138 χ^2/NDF: 21814.2/47

Right: -46.940+/-0.246 χ^2/NDF: 4052.2/48

In: -32.832+/-0.173 χ^2/NDF:13617.2/44

Out: -33.384+/-0.167 χ^2/NDF:16412.1/51

All: -33.118+/-0.120 χ^2/NDF: 30034.6/96



Right In: 72.995+/-0.413 χ^2/NDF: 6212.9/21

Left Out: 73.002+/-0.168 χ^2/NDF:4052.4/24

Right Out: 69.528+/-0.408 χ^2/NDF: 6164.0/26

Left In: 72.302+/-0.173 χ^2/NDF:2912.6/22

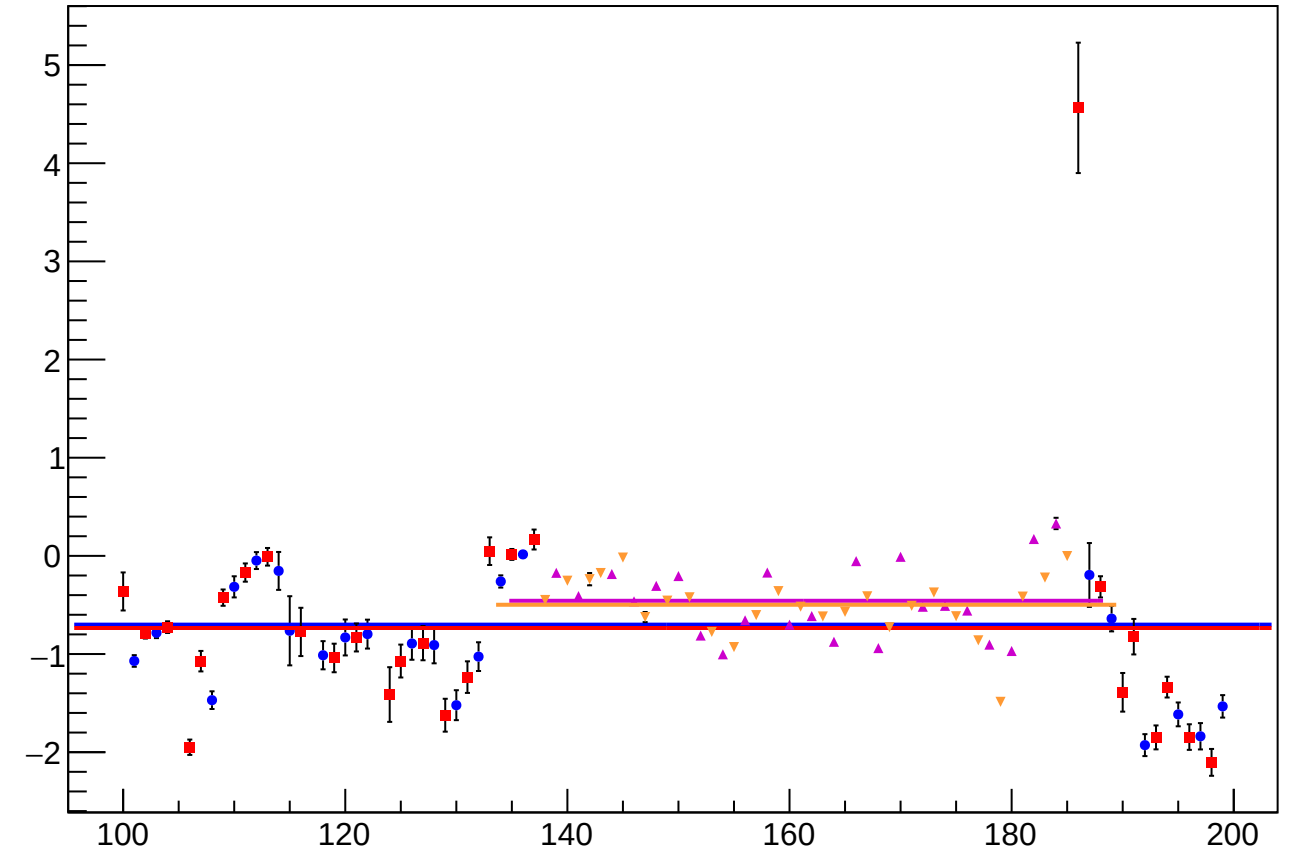
Left: 72.662+/-0.121 χ^2/NDF: 6973.3/47

Right: 71.239+/-0.290 χ^2/NDF: 12412.5/48

In: 72.406+/-0.160 χ^2/NDF:9127.8/44

Out: 72.496+/-0.156 χ^2/NDF:10278.4/51

All: 72.452+/-0.112 χ^2/NDF: 19406.4/96



Right In: -0.701+/-0.021 χ^2/NDF: 836.0/21

Left Out: -0.498+/-0.008 χ^2/NDF:1482.9/24

Right Out: -0.735+/-0.020 χ^2/NDF: 1096.7/26

Left In: -0.458+/-0.008 χ^2/NDF:2103.1/22

Left: -0.478+/-0.005 χ^2/NDF: 3600.2/47

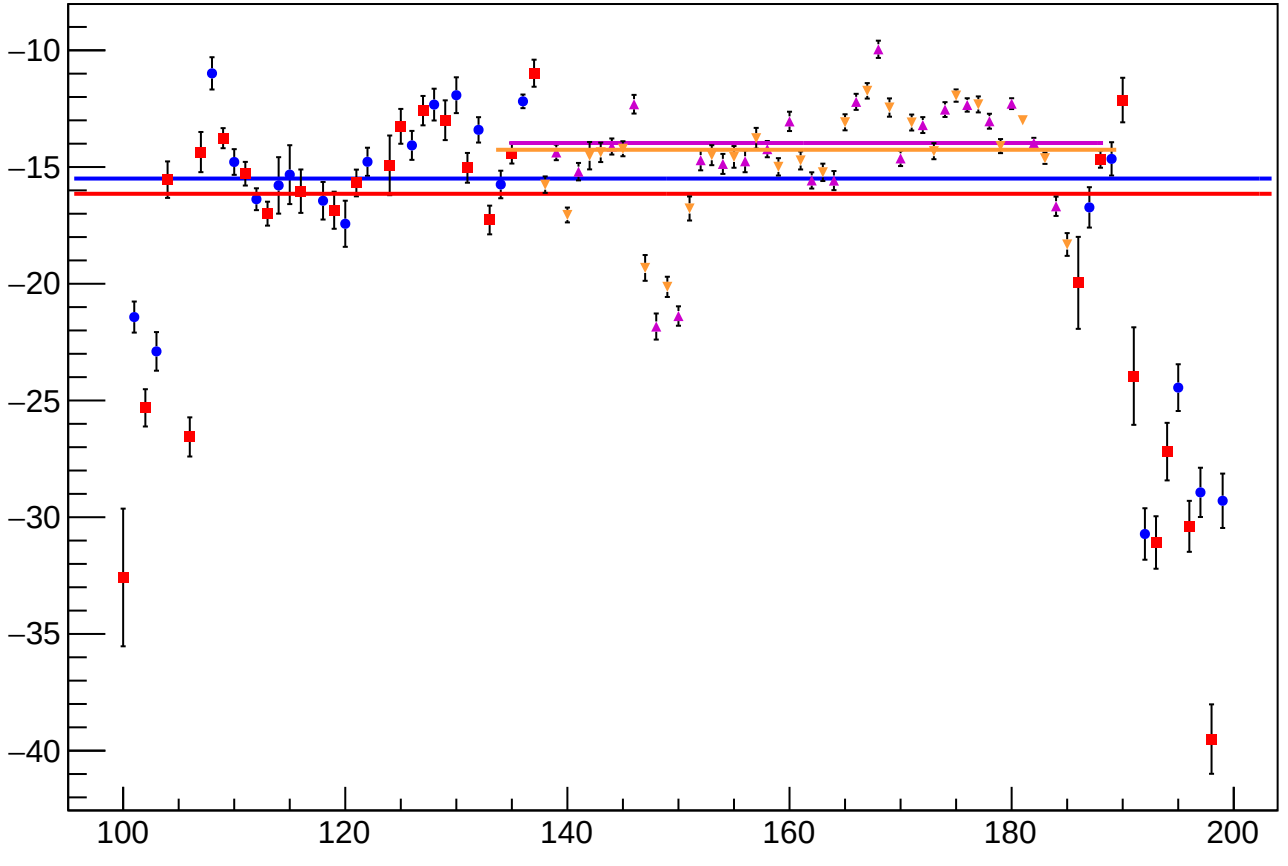
Right: -0.718+/-0.014 χ^2/NDF: 1934.2/48

In: -0.487+/-0.007 χ^2/NDF:3062.0/44

Out: -0.527+/-0.007 χ^2/NDF:2699.9/51

All: -0.507+/-0.005 χ^2/NDF: 5777.4/96

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -15.494+/-0.139 χ^2/NDF: 982.7/21

Left Out: -14.261+/-0.070 χ^2/NDF:724.0/24

Right Out: -16.146+/-0.133 χ^2/NDF: 1248.0/26

Left In: -13.970+/-0.072 χ^2/NDF:907.7/22

Left: -14.120+/-0.050 χ^2/NDF: 1640.2/47

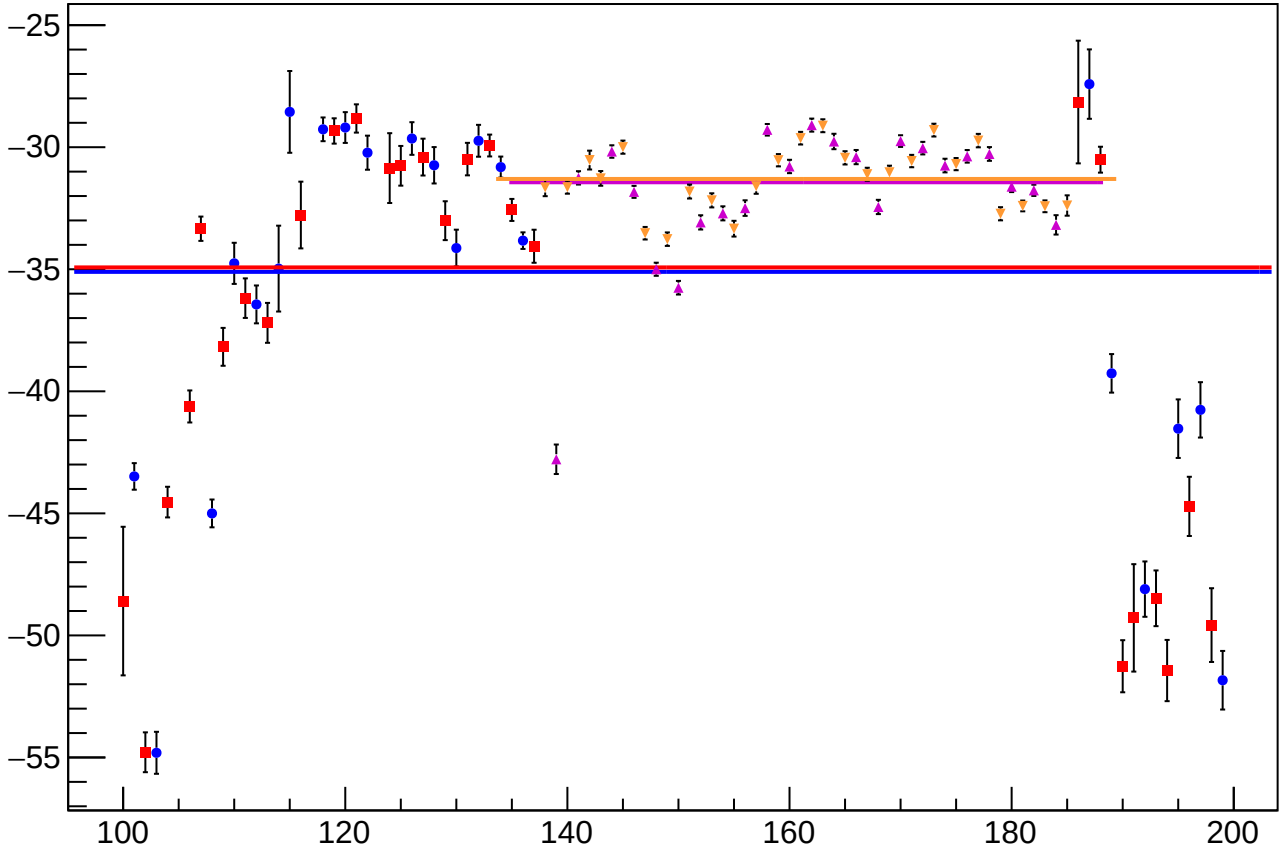
Right: -15.834+/-0.096 χ^2/NDF: 2242.1/48

In: -14.291+/-0.064 χ^2/NDF:1984.8/44

Out: -14.665+/-0.062 χ^2/NDF:2129.0/51

All: -14.484+/-0.044 χ^2/NDF: 4131.5/96

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -35.106+/-0.145 χ^2/NDF: 2083.0/21

Left Out: -31.301+/-0.055 χ^2/NDF:553.1/24

Right Out: -34.924+/-0.142 χ^2/NDF: 2290.3/26

Left In: -31.436+/-0.057 χ^2/NDF:1214.8/22

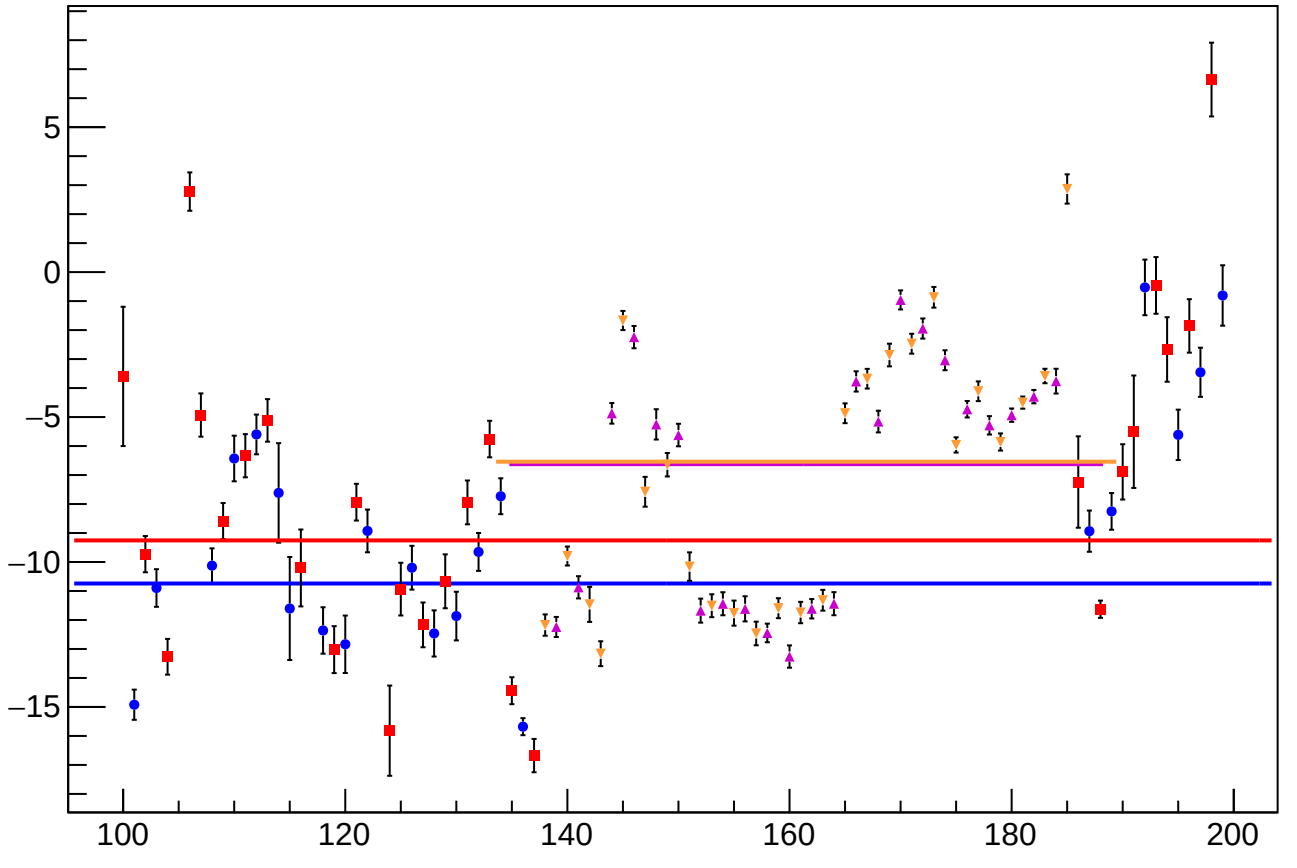
Left: -31.366+/-0.040 χ^2/NDF: 1770.8/47

Right: -35.014+/-0.102 χ^2/NDF: 4374.1/48

In: -31.932+/-0.053 χ^2/NDF:3852.5/44

Out: -31.775+/-0.051 χ^2/NDF:3407.3/51

All: -31.851+/-0.037 χ^2/NDF: 7264.3/96



Right In: -10.742+/-0.144 χ^2/NDF: 821.7/21

Left Out: -6.540+/-0.070 χ^2/NDF:3242.5/24

Right Out: -9.255+/-0.137 χ^2/NDF: 1262.0/26

Left In: -6.625+/-0.071 χ^2/NDF:2908.0/22

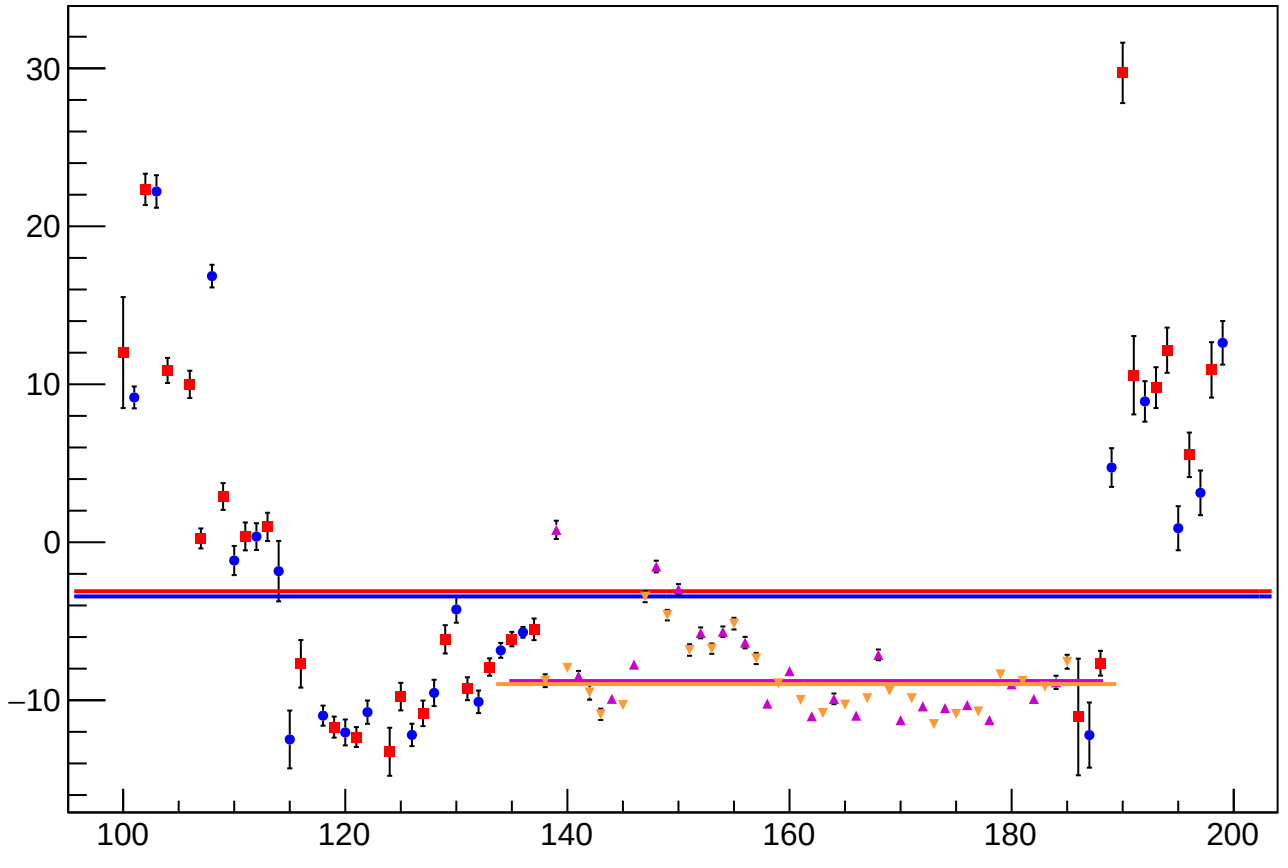
Left: -6.581+/-0.050 χ^2/NDF: 6151.3/47

Right: -9.960+/-0.099 χ^2/NDF: 2139.6/48

In: -7.438+/-0.064 χ^2/NDF:4385.2/44

Out: -7.097+/-0.062 χ^2/NDF:4817.4/51

All: -7.262+/-0.045 χ^2/NDF: 9217.2/96



Right In: -3.429+/-0.165 χ^2/NDF: 2864.7/21

Left Out: -8.977+/-0.061 χ^2/NDF:972.0/24

Right Out: -3.101+/-0.166 χ^2/NDF: 2810.8/26

Left In: -8.785+/-0.063 χ^2/NDF:1685.0/22

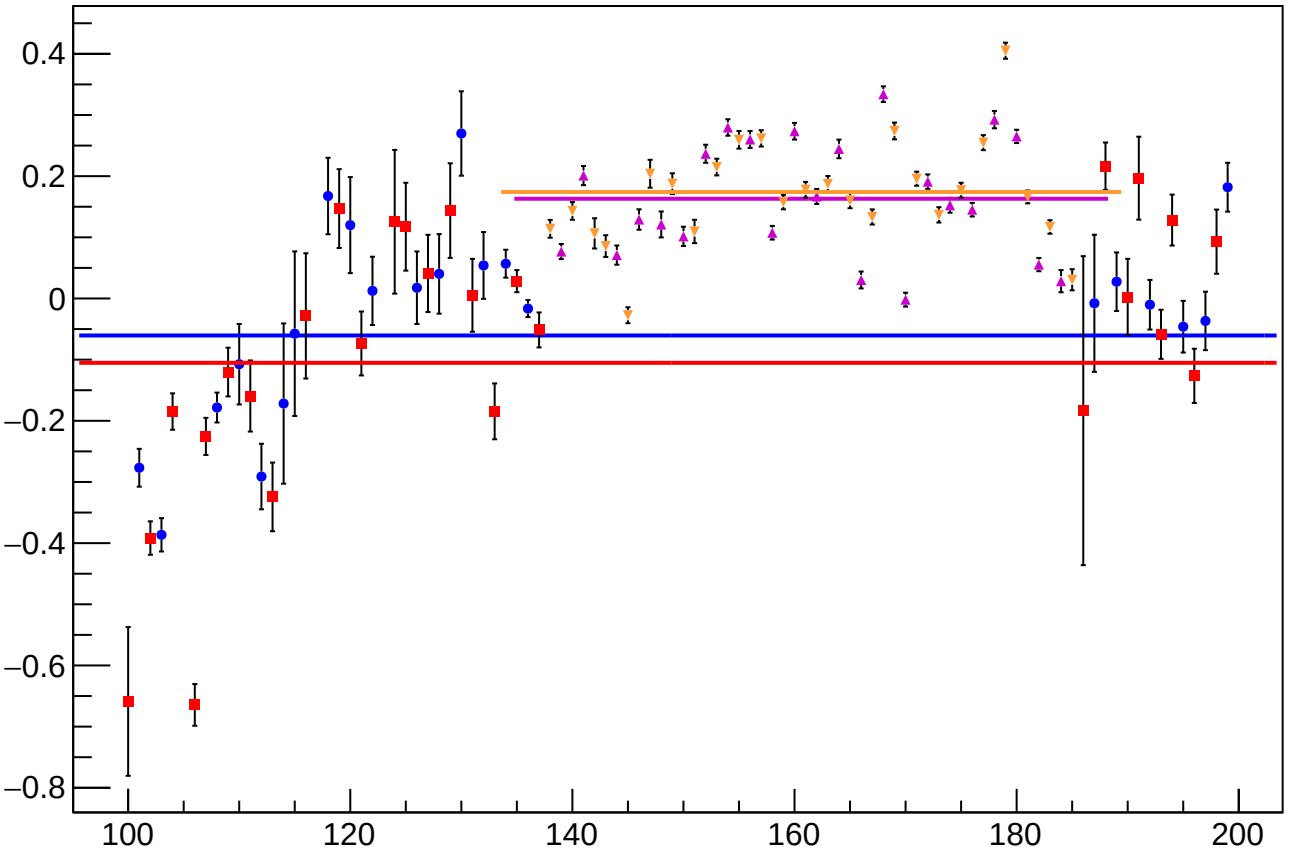
Left: -8.884+/-0.044 χ^2/NDF: 2661.8/47

Right: -3.266+/-0.117 χ^2/NDF: 5677.4/48

In: -8.094+/-0.059 χ^2/NDF:5470.9/44

Out: -8.269+/-0.058 χ^2/NDF:4885.6/51

All: -8.183+/-0.041 χ^2/NDF: 10361.0/96



Right In: -0.060+/-0.008 χ^2/NDF: 365.5/21

Left Out: 0.174+/-0.003 χ^2/NDF:922.9/24

Right Out: -0.105+/-0.008 χ^2/NDF: 687.3/26

Left In: 0.163+/-0.003 χ^2/NDF:1195.1/22

Left: 0.169+/-0.002 χ^2/NDF: 2126.1/47

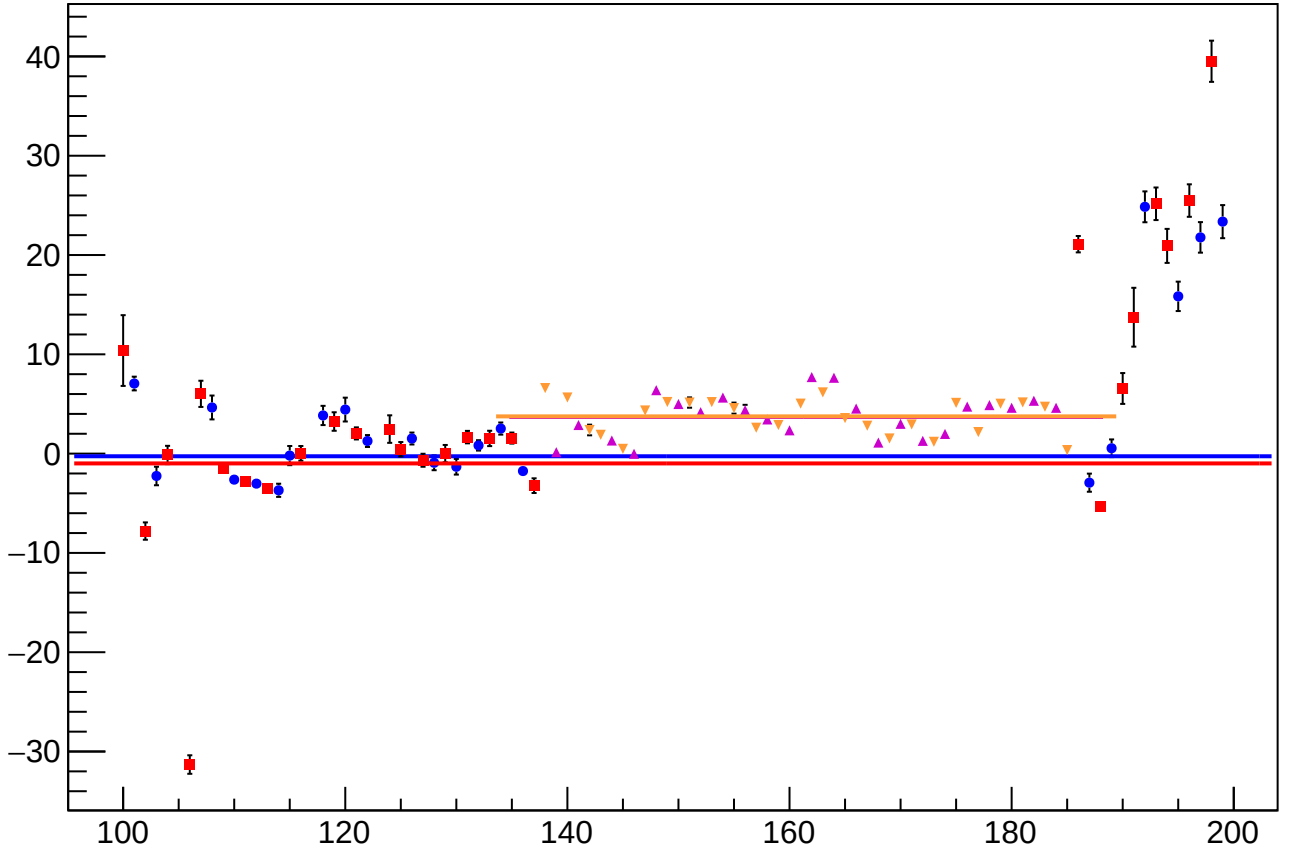
Right: -0.082+/-0.006 χ^2/NDF: 1068.6/48

In: 0.138+/-0.003 χ^2/NDF:2287.3/44

Out: 0.146+/-0.003 χ^2/NDF:2687.2/51

All: 0.142+/-0.002 χ^2/NDF: 4978.6/96

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -0.266+/-0.132 χ^2/NDF: 1196.2/21

Left Out: 3.750+/-0.062 χ^2/NDF:809.8/24

Right Out: -0.987+/-0.121 χ^2/NDF: 3286.2/26

Left In: 3.688+/-0.064 χ^2/NDF:953.3/22

Left: 3.720+/-0.044 χ^2/NDF: 1763.6/47

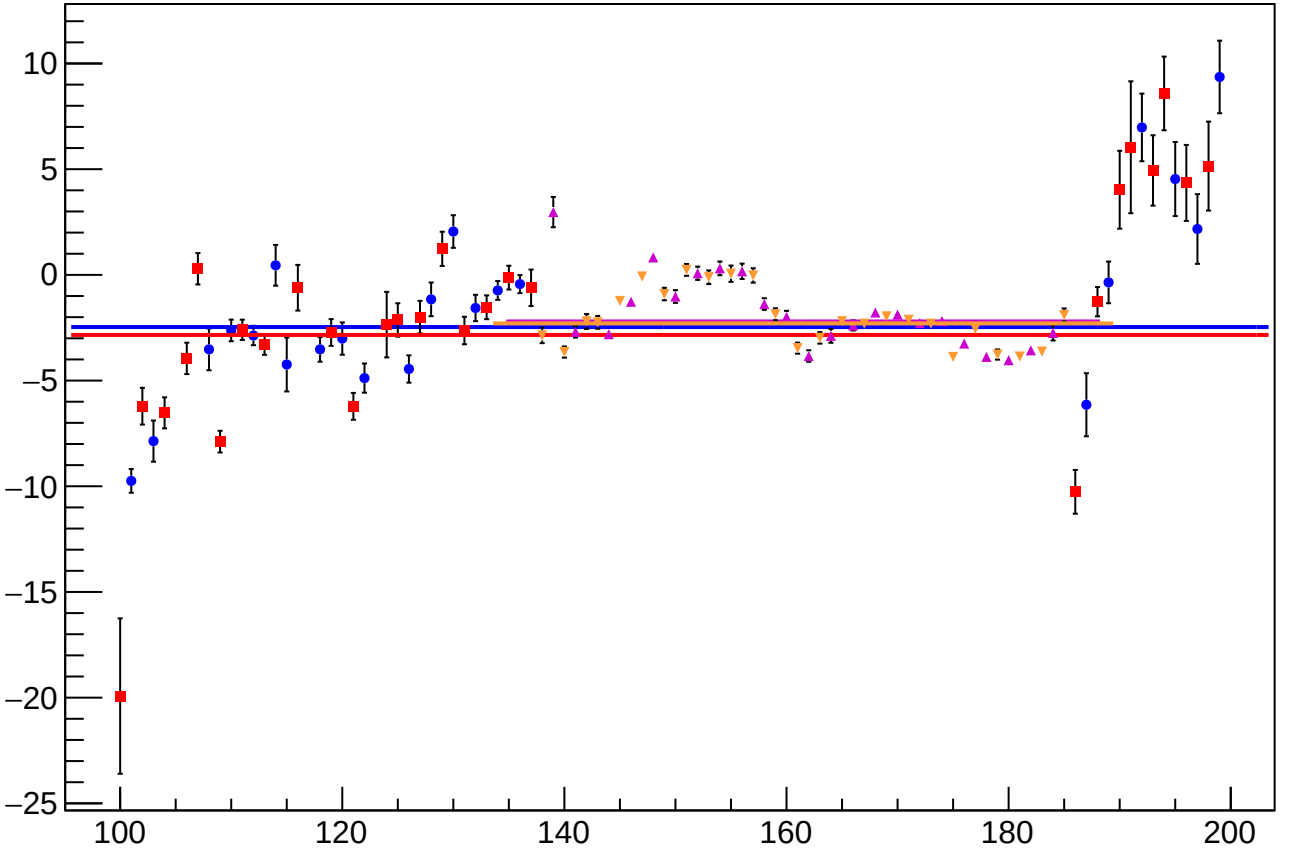
Right: -0.657+/-0.089 χ^2/NDF: 4498.7/48

In: 2.934+/-0.057 χ^2/NDF:2879.8/44

Out: 2.767+/-0.055 χ^2/NDF:5308.2/51

All: 2.847+/-0.040 χ^2/NDF: 8192.3/96

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -2.468+/-0.151 χ^2/NDF: 430.6/21

Left Out: -2.294+/-0.050 χ^2/NDF:631.5/24

Right Out: -2.841+/-0.149 χ^2/NDF: 448.7/26

Left In: -2.204+/-0.051 χ^2/NDF:724.7/22

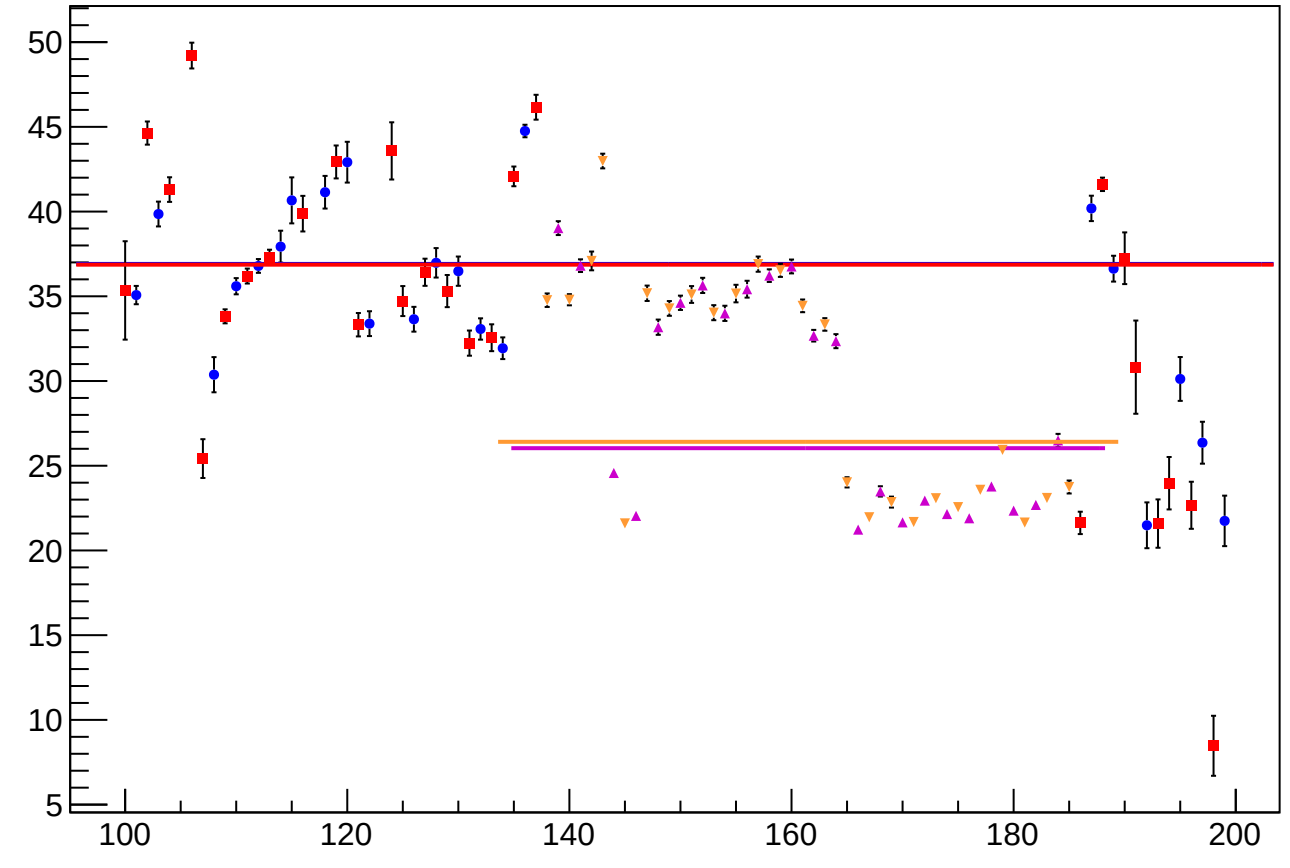
Left: -2.250+/-0.035 χ^2/NDF: 1357.8/47

Right: -2.656+/-0.106 χ^2/NDF: 882.4/48

In: -2.231+/-0.048 χ^2/NDF:1158.0/44

Out: -2.349+/-0.047 χ^2/NDF:1092.2/51

All: -2.291+/-0.034 χ^2/NDF: 2253.3/96



Right In: 36.910+/-0.150 χ^2/NDF: 1071.5/21

Left Out: 26.411+/-0.062 χ^2/NDF:9222.2/24

Right Out: 36.867+/-0.141 χ^2/NDF: 2221.8/26

Left In: 26.036+/-0.064 χ^2/NDF:7842.9/22

Left: 26.228+/-0.045 χ^2/NDF: 17082.8/47

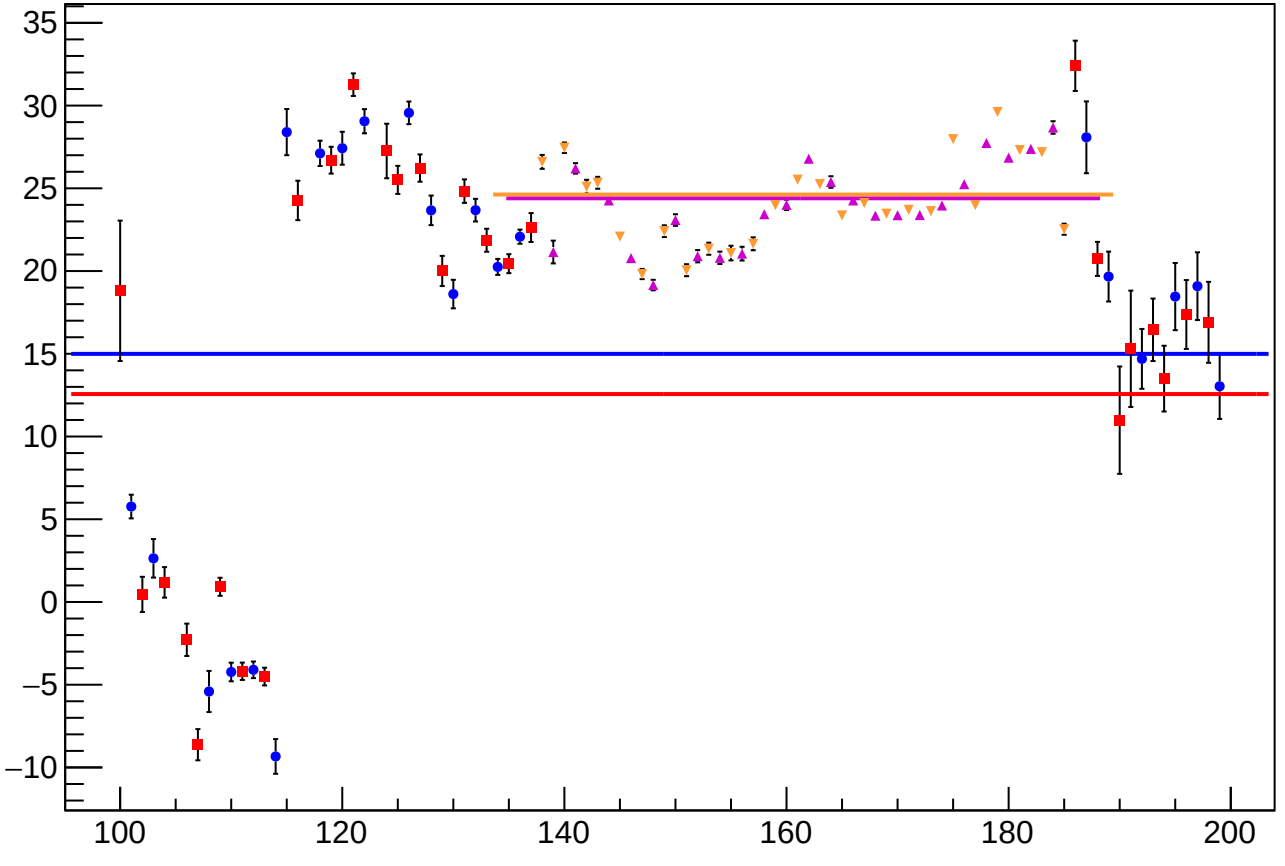
Right: 36.887+/-0.103 χ^2/NDF: 3293.3/48

In: 27.706+/-0.059 χ^2/NDF:13364.3/44

Out: 28.119+/-0.057 χ^2/NDF:16047.8/51

All: 27.919+/-0.041 χ^2/NDF: 29437.5/96

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 14.995+/-0.170 χ^2/NDF: 5741.4/21

Left Out: 24.624+/-0.055 χ^2/NDF:1950.7/24

Right Out: 12.566+/-0.170 χ^2/NDF: 6364.6/26

Left In: 24.397+/-0.056 χ^2/NDF:1715.6/22

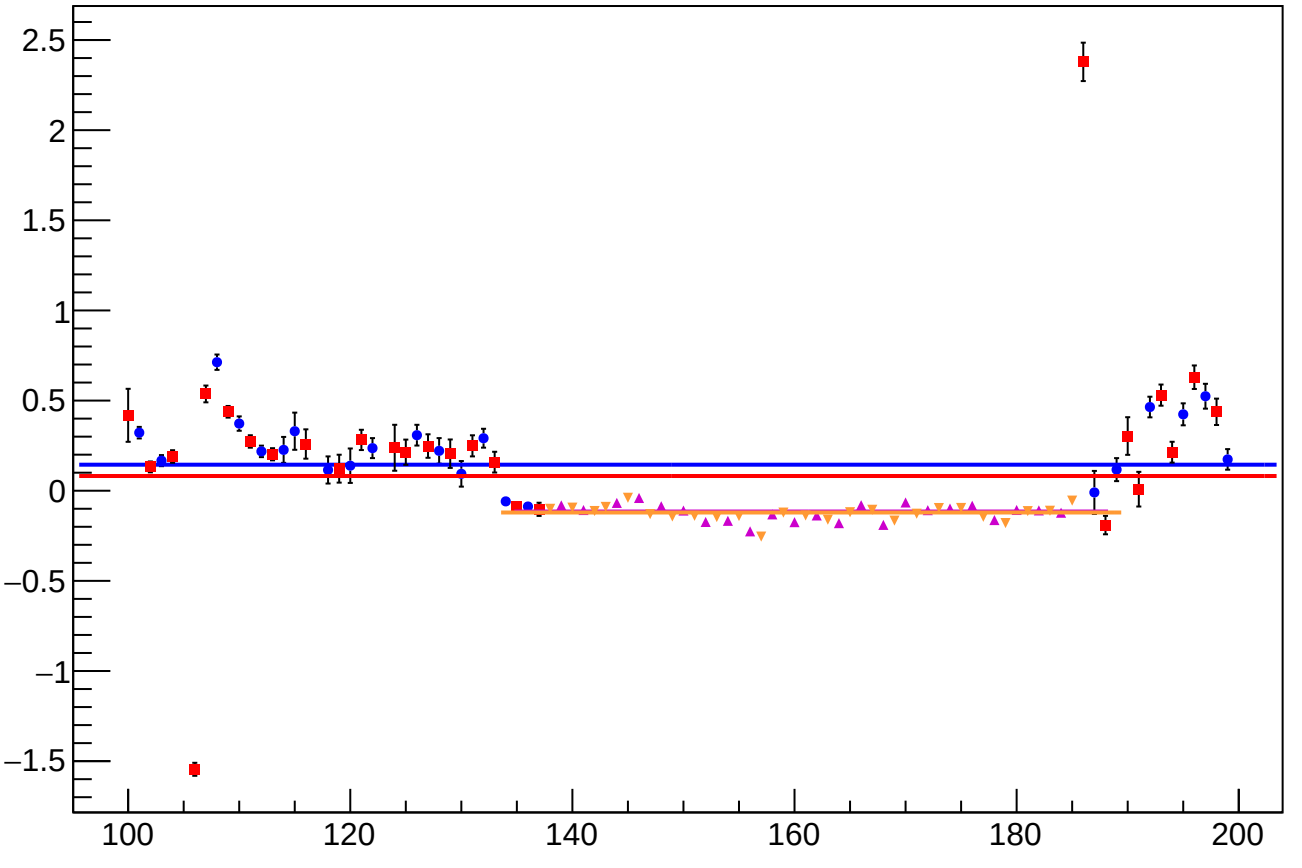
Left: 24.513+/-0.039 χ^2/NDF: 3674.6/47

Right: 13.786+/-0.120 χ^2/NDF: 12208.1/48

In: 23.459+/-0.054 χ^2/NDF:10224.2/44

Out: 23.479+/-0.052 χ^2/NDF:12851.2/51

All: 23.469+/-0.037 χ^2/NDF: 23075.4/96



Right In: 0.144+/-0.009 χ^2/NDF: 610.0/21

Left Out: -0.121+/-0.002 χ^2/NDF:262.9/24

Right Out: 0.082+/-0.009 χ^2/NDF: 3092.8/26

Left In: -0.115+/-0.003 χ^2/NDF:290.7/22

Left: -0.118+/-0.002 χ^2/NDF: 556.0/47

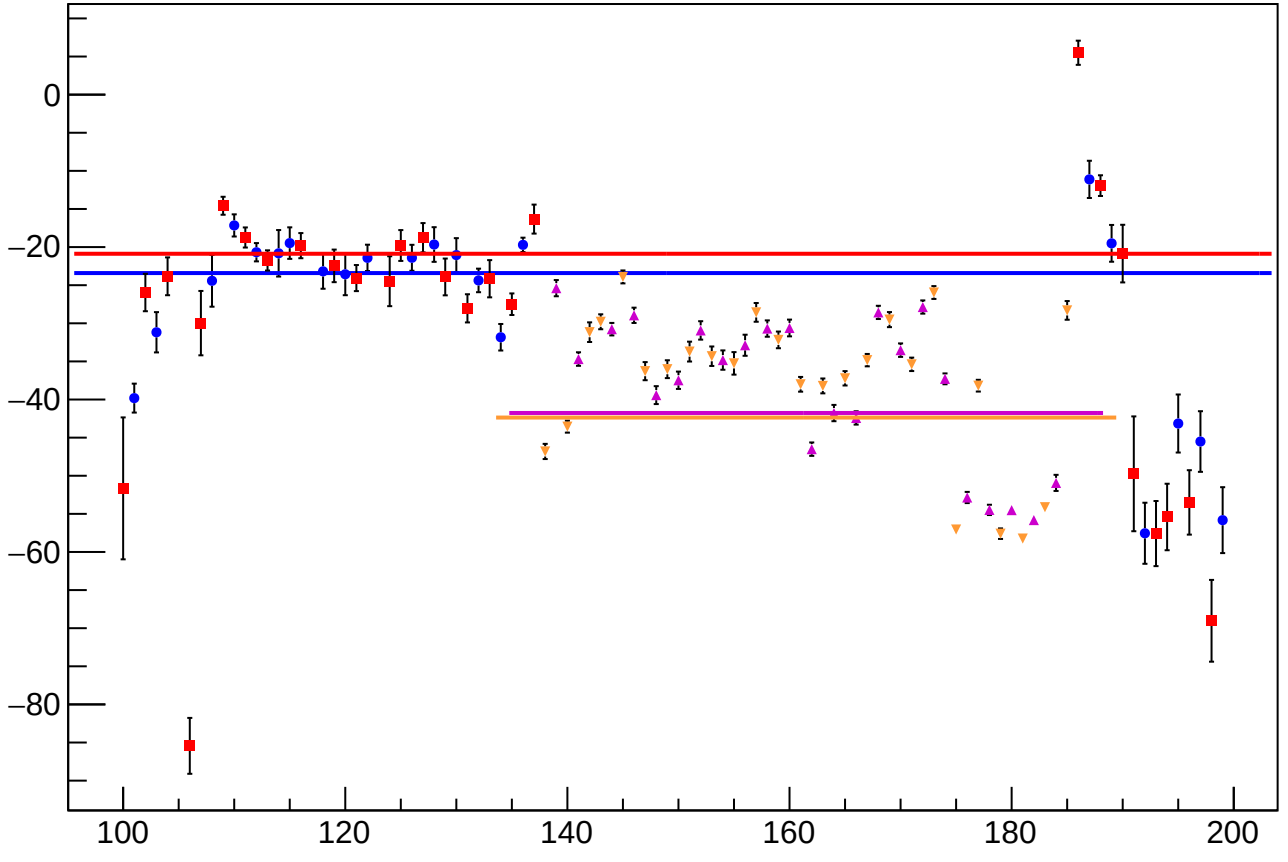
Right: 0.114+/-0.006 χ^2/NDF: 3727.3/48

In: -0.096+/-0.002 χ^2/NDF:1693.7/44

Out: -0.107+/-0.002 χ^2/NDF:3819.3/51

All: -0.102+/-0.002 χ^2/NDF: 5523.3/96

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -23.409+/-0.412 χ^2/NDF: 371.8/21

Left Out: -42.366+/-0.175 χ^2/NDF:4477.3/24

Right Out: -20.876+/-0.392 χ^2/NDF: 1027.4/26

Left In: -41.764+/-0.182 χ^2/NDF:3459.2/22

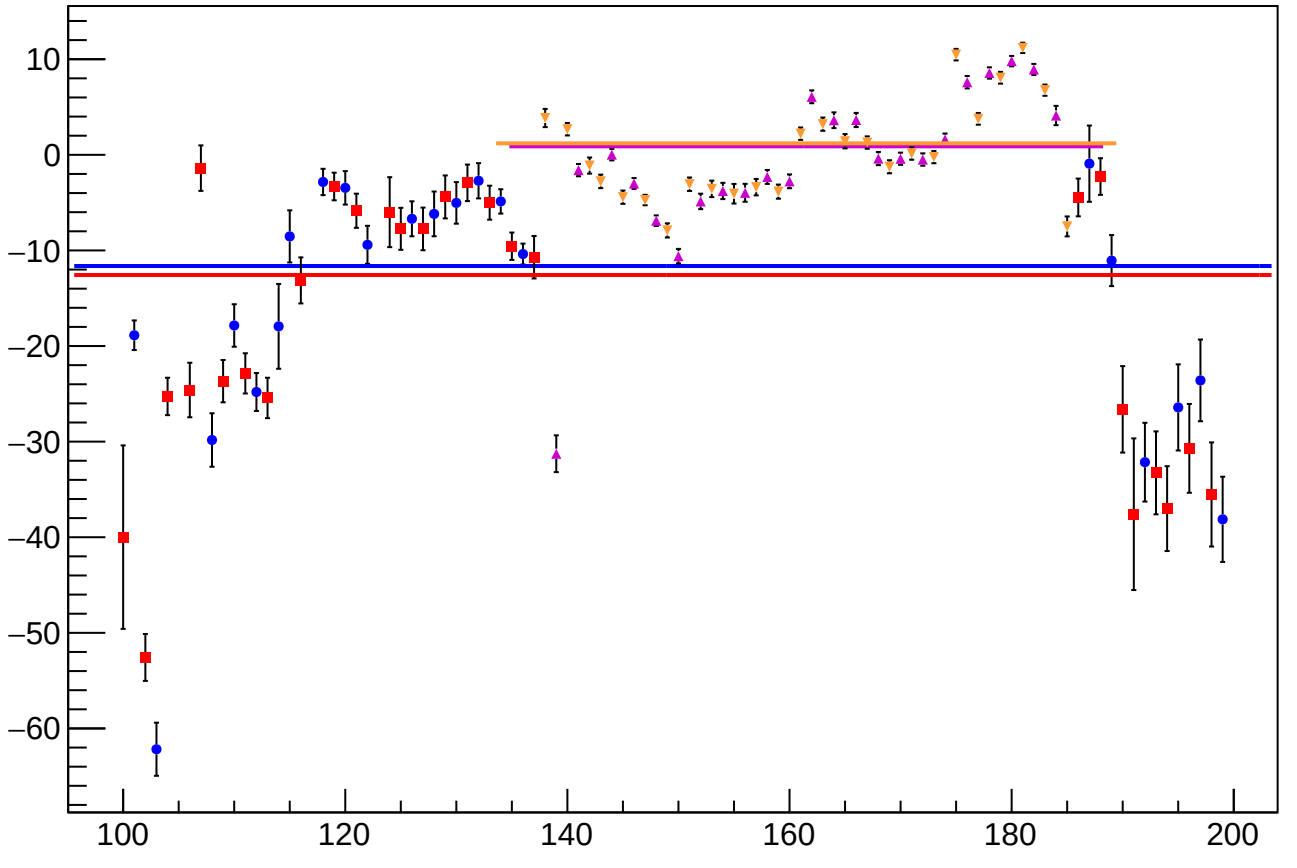
Left: -42.076+/-0.126 χ^2/NDF: 7942.1/47

Right: -22.079+/-0.284 χ^2/NDF: 1419.0/48

In: -38.778+/-0.166 χ^2/NDF:5490.7/44

Out: -38.789+/-0.160 χ^2/NDF:8008.8/51

All: -38.784+/-0.115 χ^2/NDF: 13499.5/96



Right In: -11.630+/-0.435 χ^2/NDF: 675.4/21

Left Out: 1.203+/-0.138 χ^2/NDF:1463.6/24

Right Out: -12.569+/-0.443 χ^2/NDF: 723.8/26

Left In: 0.889+/-0.143 χ^2/NDF:1763.7/22

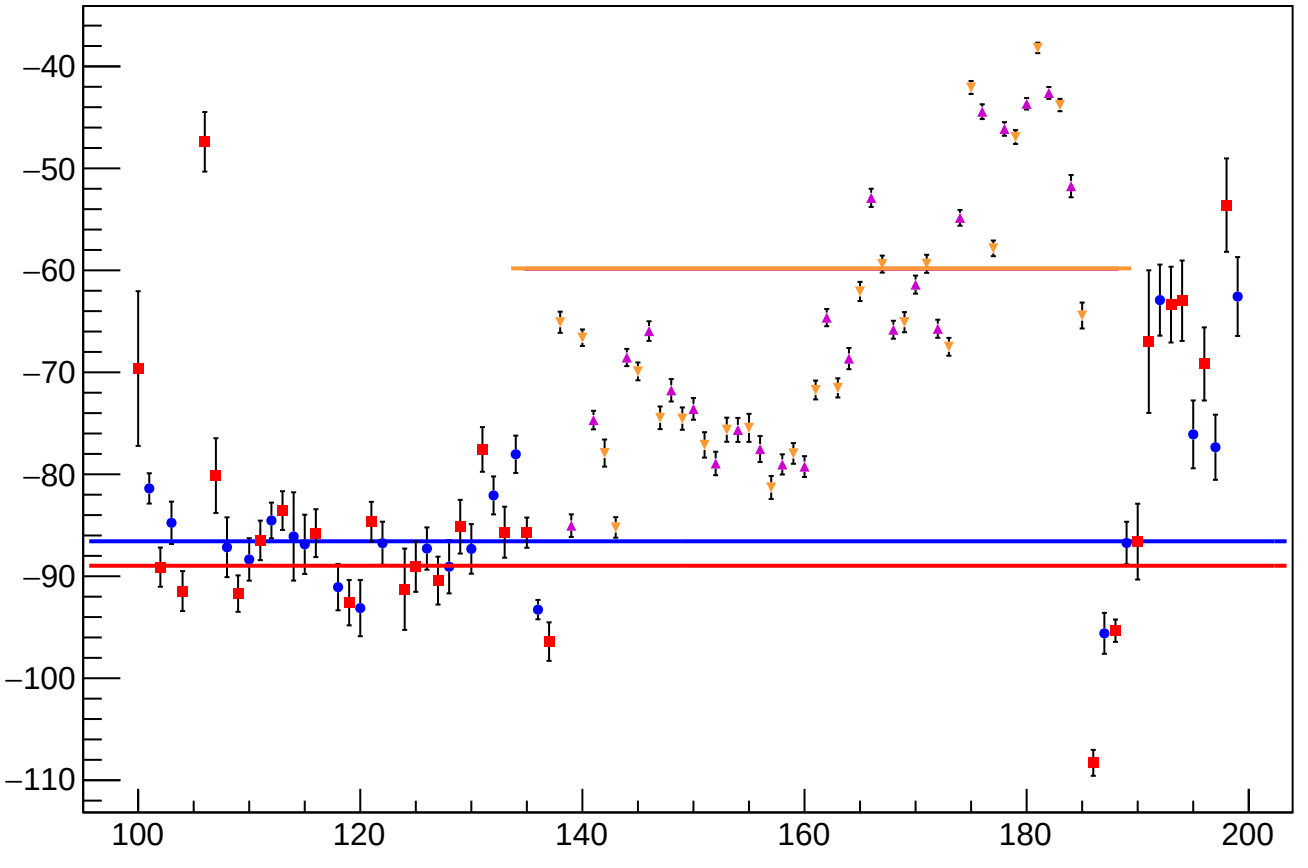
Left: 1.051+/-0.099 χ^2/NDF: 3229.8/47

Right: -12.091+/-0.310 χ^2/NDF: 1401.5/48

In: -0.330+/-0.136 χ^2/NDF:3186.4/44

Out: -0.018+/-0.132 χ^2/NDF:3068.6/51

All: -0.170+/-0.095 χ^2/NDF: 6257.7/96



Right In: -86.569+/-0.441 χ^2/NDF: 226.6/21

Left Out: -59.809+/-0.175 χ^2/NDF:6645.1/24

Right Out: -88.967+/-0.418 χ^2/NDF: 746.5/26

Left In: -59.846+/-0.181 χ^2/NDF:5534.1/22

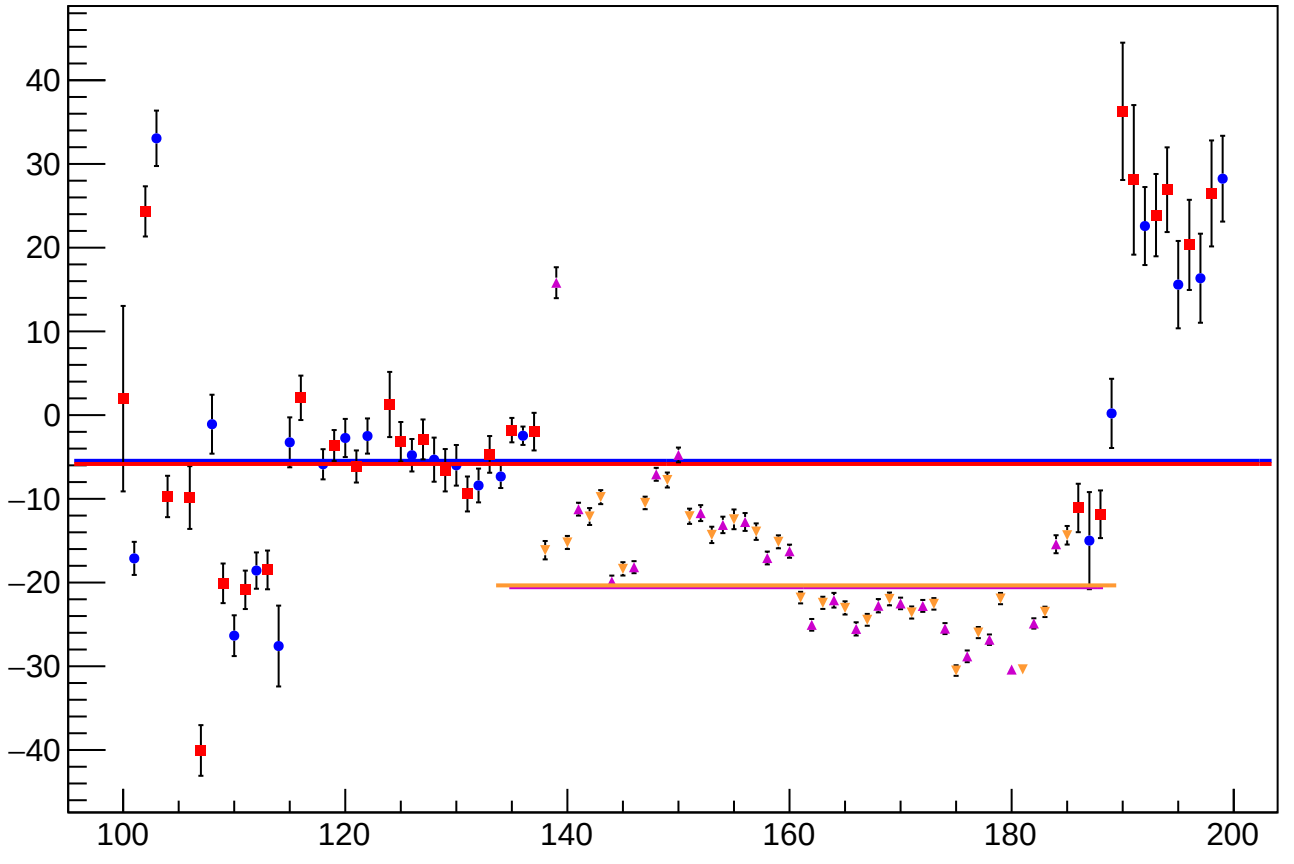
Left: -59.827+/-0.126 χ^2/NDF: 12179.2/47

Right: -87.831+/-0.303 χ^2/NDF: 988.7/48

In: -63.703+/-0.167 χ^2/NDF:8904.9/44

Out: -64.165+/-0.162 χ^2/NDF:11524.3/51

All: -63.942+/-0.116 χ^2/NDF: 20433.2/96



Right In: -5.460+/-0.493 χ^2/NDF: 435.6/21

Left Out: -20.339+/-0.155 χ^2/NDF:1701.1/24

Right Out: -5.834+/-0.512 χ^2/NDF: 549.5/26

Left In: -20.555+/-0.160 χ^2/NDF:2193.8/22

Left: -20.444+/-0.111 χ^2/NDF: 3895.8/47

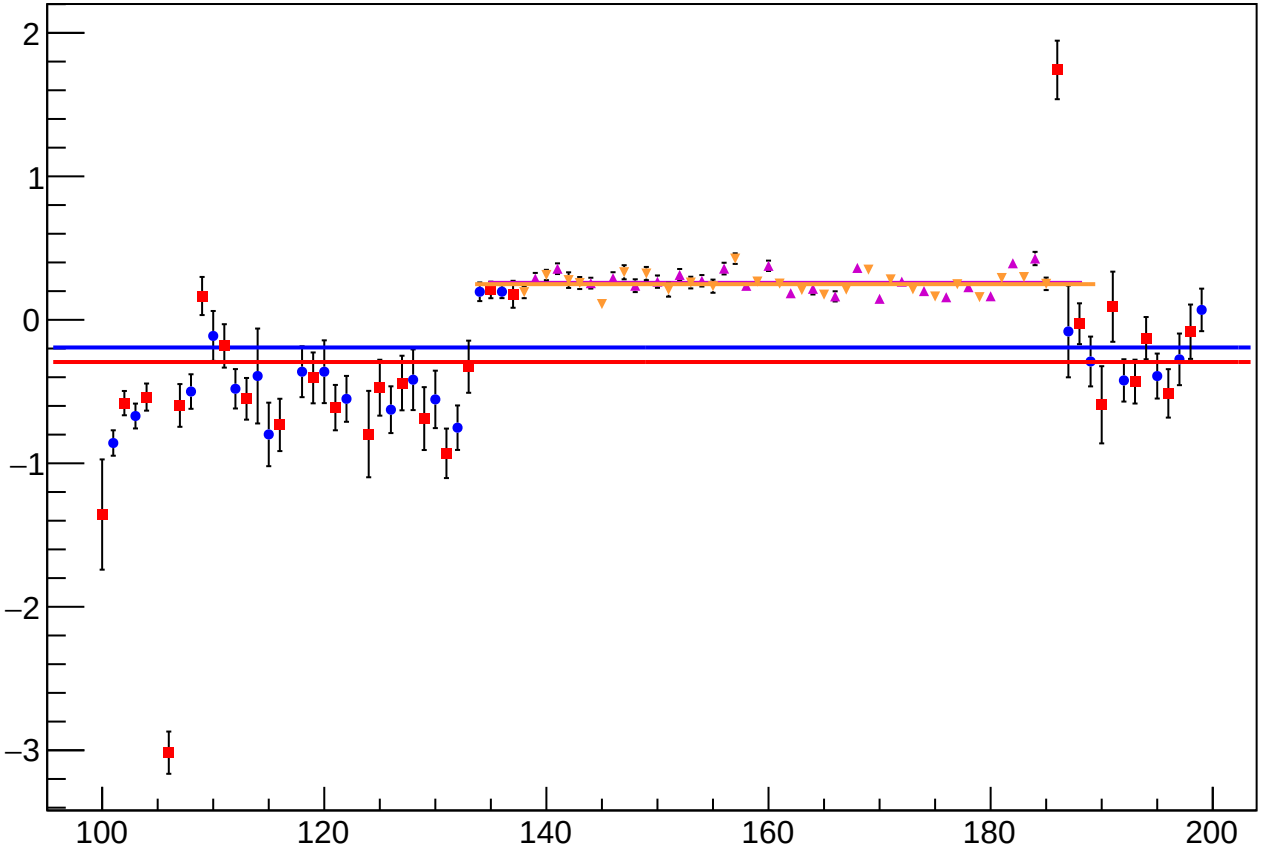
Right: -5.640+/-0.355 χ^2/NDF: 985.3/48

In: -19.121+/-0.152 χ^2/NDF:3479.2/44

Out: -19.126+/-0.148 χ^2/NDF:2986.7/51

All: -19.124+/-0.106 χ^2/NDF: 6465.9/96

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.193+/-0.025 χ^2/NDF: 255.2/21

Left Out: 0.249+/-0.007 χ^2/NDF:93.2/24

Right Out: -0.294+/-0.027 χ^2/NDF: 631.9/26

Left In: 0.258+/-0.007 χ^2/NDF:134.3/22

Left: 0.253+/-0.005 χ^2/NDF: 228.3/47

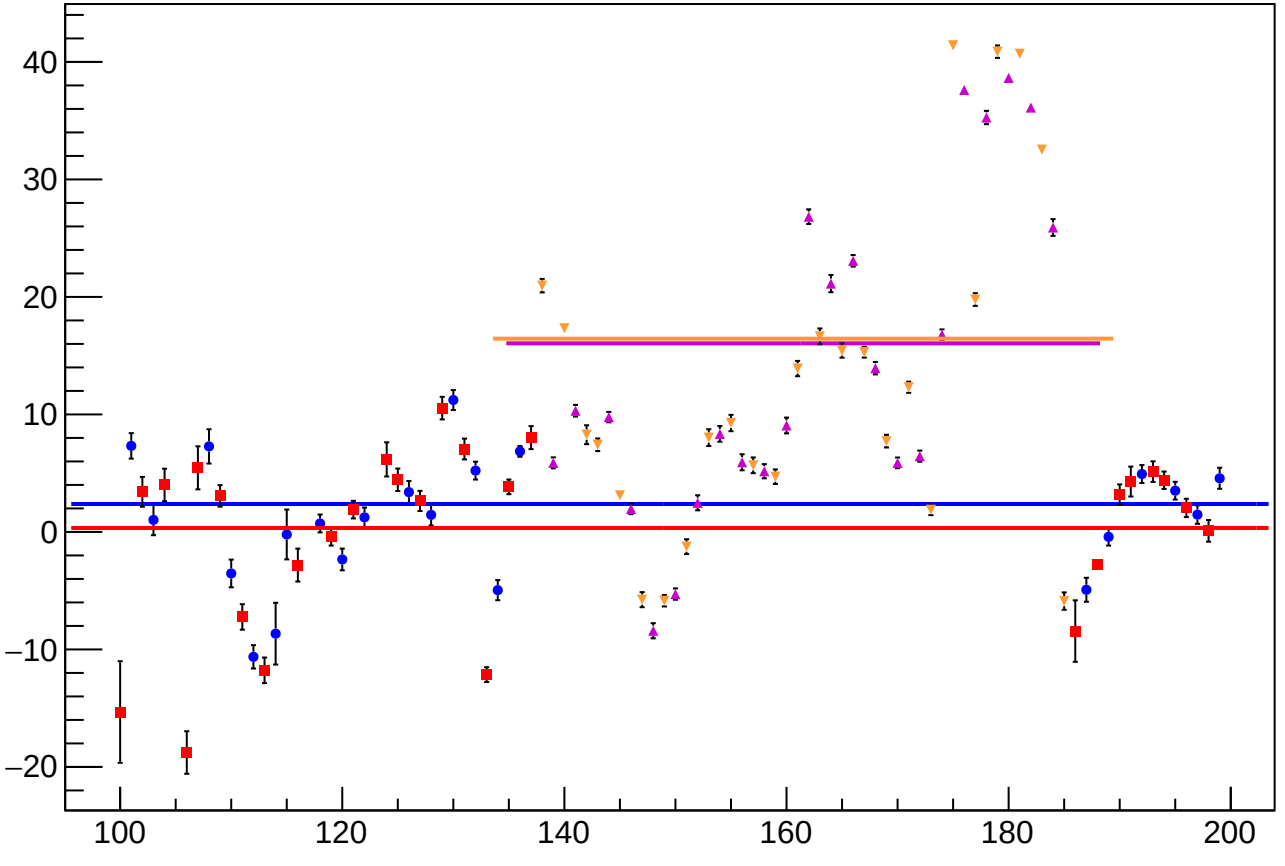
Right: -0.240+/-0.018 χ^2/NDF: 894.9/48

In: 0.224+/-0.007 χ^2/NDF:689.9/44

Out: 0.214+/-0.007 χ^2/NDF:1116.1/51

All: 0.219+/-0.005 χ^2/NDF: 1807.0/96

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 2.379+/-0.186 χ^2/NDF: 660.2/21

Left Out: 16.449+/-0.104 χ^2/NDF:21400.3/24

Right Out: 0.338+/-0.168 χ^2/NDF: 1194.4/26

Left In: 16.051+/-0.107 χ^2/NDF:17625.1/22

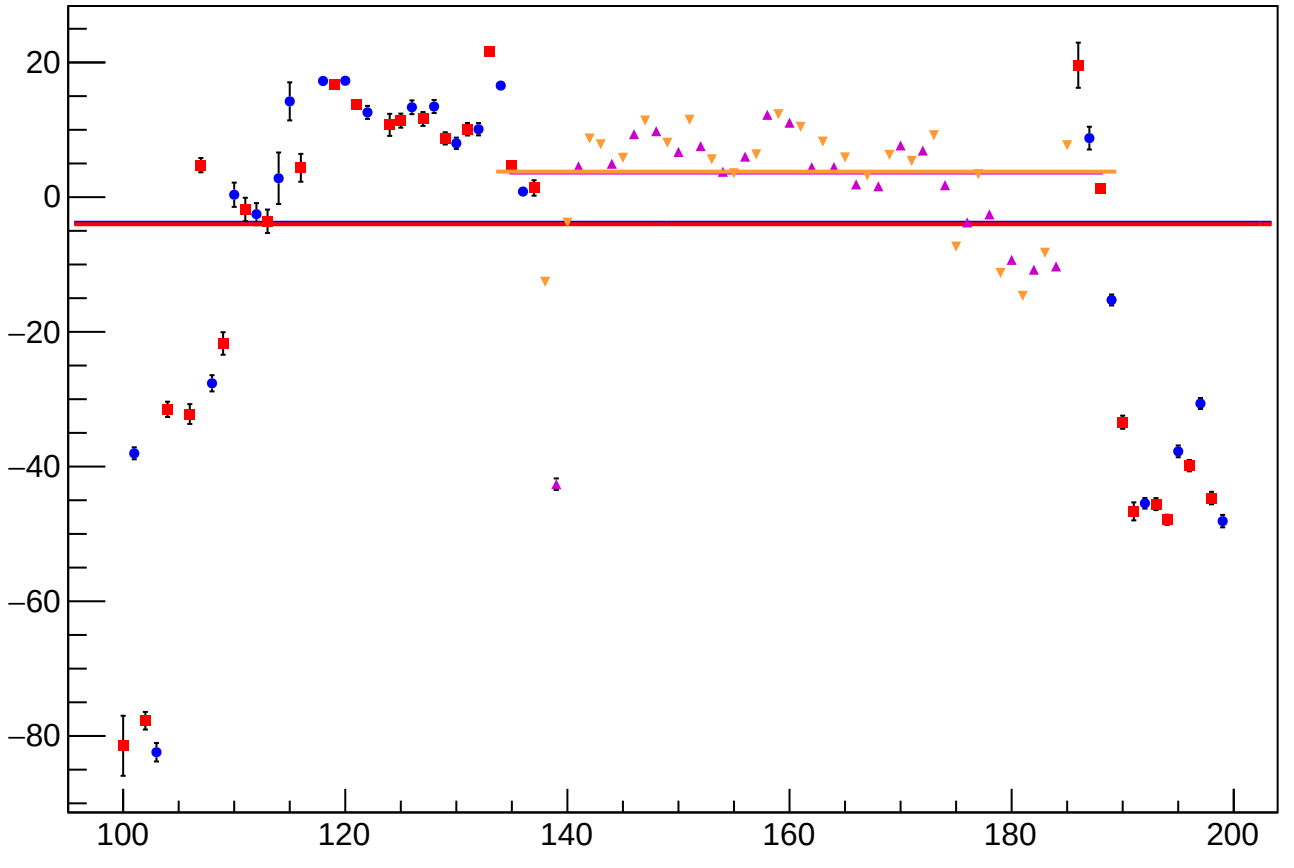
Left: 16.256+/-0.075 χ^2/NDF: 39032.5/47

Right: 1.258+/-0.125 χ^2/NDF: 1921.0/48

In: 12.629+/-0.093 χ^2/NDF:22353.8/44

Out: 11.993+/-0.088 χ^2/NDF:29231.6/51

All: 12.296+/-0.064 χ^2/NDF: 51610.0/96



Right In: -3.797+/-0.182 χ^2/NDF: 18979.6/21

Left Out: 3.790+/-0.080 χ^2/NDF:9100.7/24

Right Out: -4.017+/-0.173 χ^2/NDF: 22717.8/26

Left In: 3.649+/-0.083 χ^2/NDF:8310.7/22

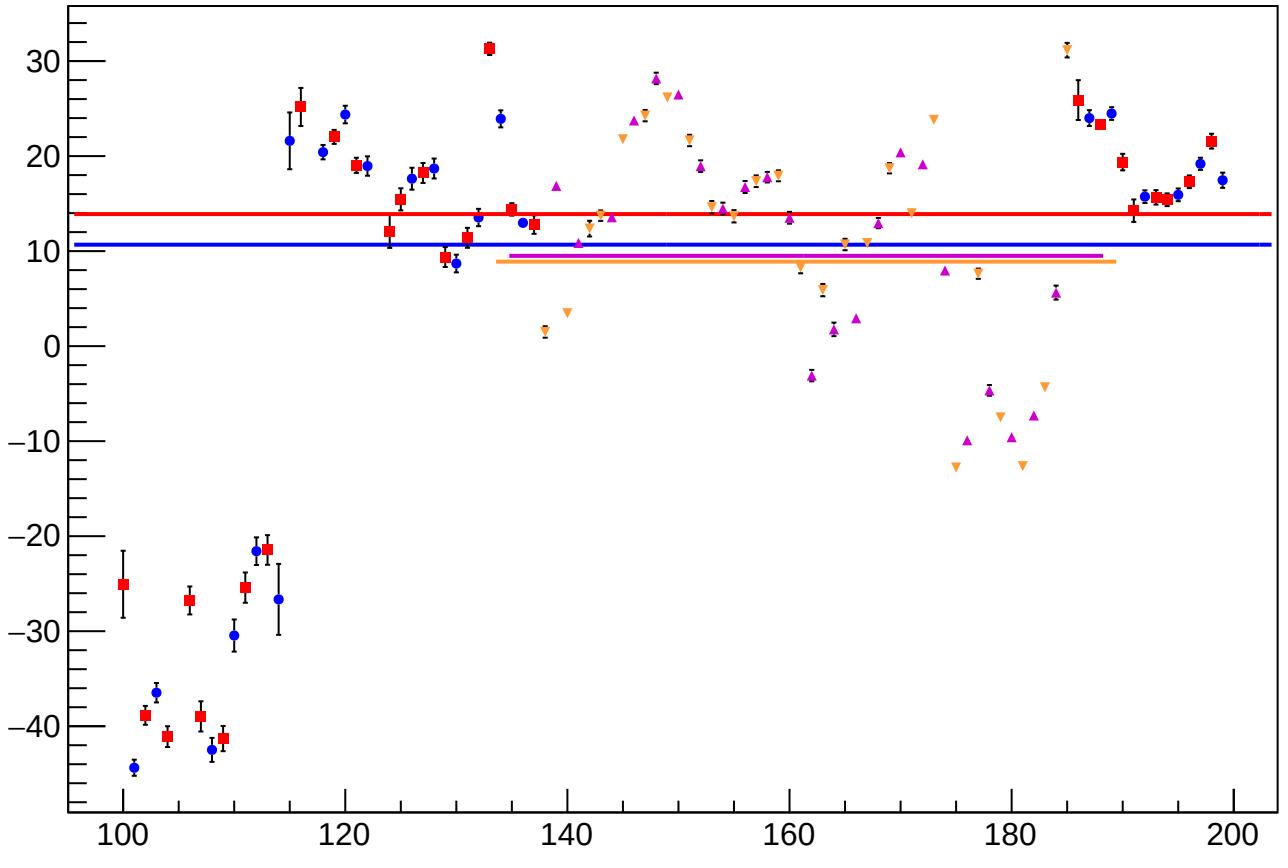
Left: 3.722+/-0.058 χ^2/NDF: 17412.8/47

Right: -3.913+/-0.125 χ^2/NDF: 41698.2/48

In: 2.368+/-0.075 χ^2/NDF:28676.4/44

Out: 2.408+/-0.073 χ^2/NDF:33500.5/51

All: 2.389+/-0.052 χ^2/NDF: 62177.0/96



Right In: 10.677+/-0.183 χ^2/NDF: 11158.6/21

Left Out: 8.892+/-0.104 χ^2/NDF:15428.1/24

Right Out: 13.896+/-0.162 χ^2/NDF: 12332.9/26

Left In: 9.500+/-0.107 χ^2/NDF:13040.9/22

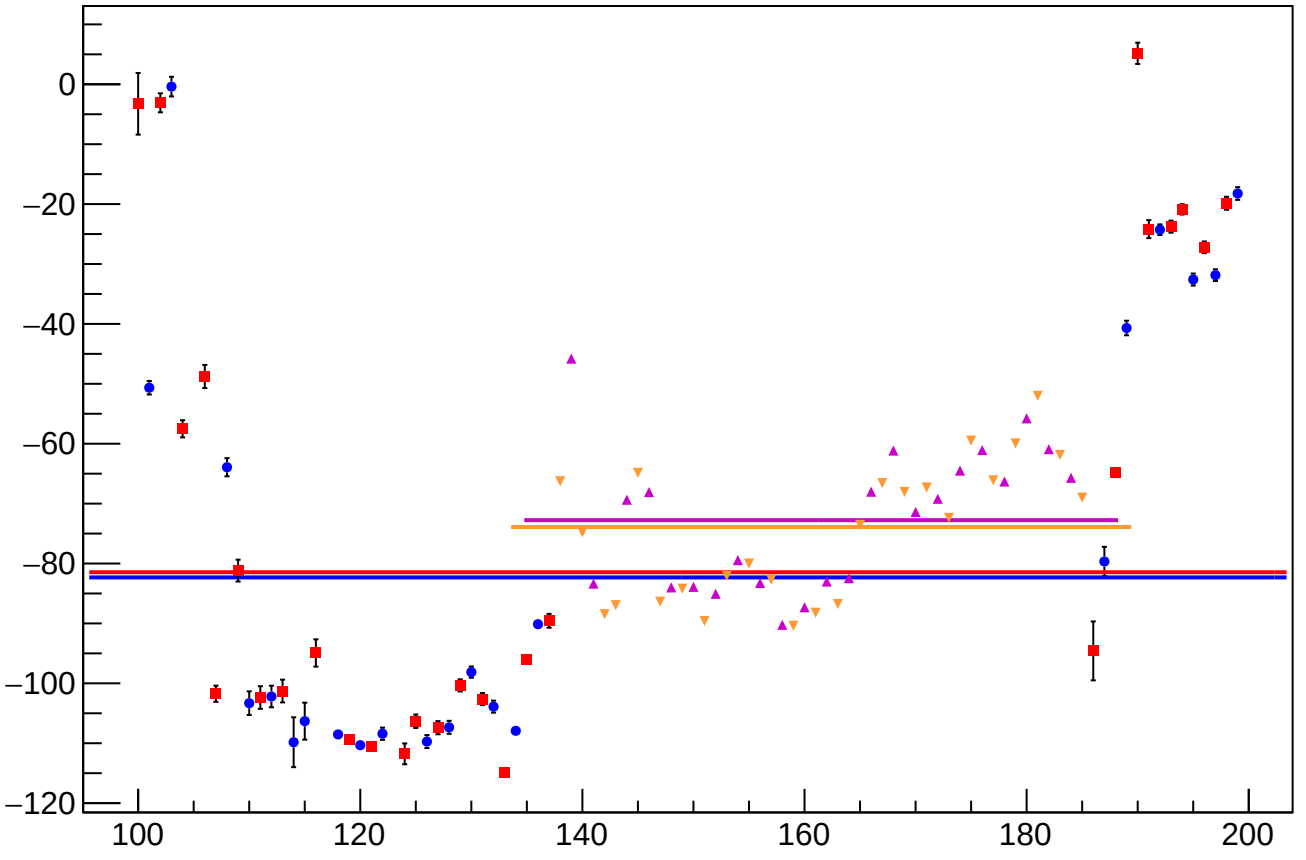
Left: 9.188+/-0.074 χ^2/NDF: 28485.8/47

Right: 12.484+/-0.121 χ^2/NDF: 23665.4/48

In: 9.798+/-0.092 χ^2/NDF:24230.4/44

Out: 10.350+/-0.087 χ^2/NDF:28439.5/51

All: 10.089+/-0.063 χ^2/NDF: 52688.9/96



Right In: -82.320+/-0.212 χ^2/NDF: 25343.6/21

Left Out: -73.907+/-0.090 χ^2/NDF:15567.0/24

Right Out: -81.458+/-0.205 χ^2/NDF: 32131.0/26

Left In: -72.763+/-0.093 χ^2/NDF:12612.6/22

Left: -73.353+/-0.065 χ^2/NDF: 28257.1/47

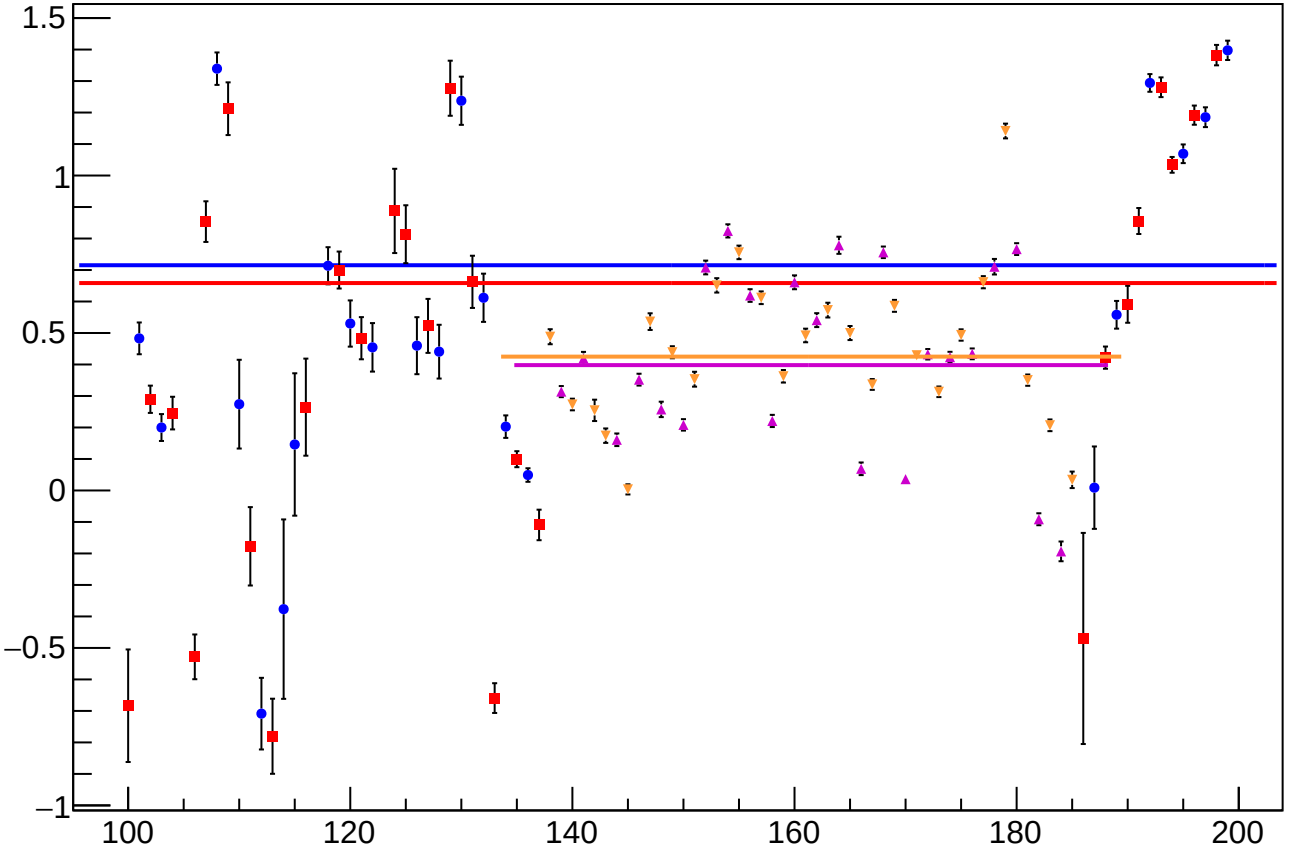
Right: -81.873+/-0.147 χ^2/NDF: 57483.1/48

In: -74.309+/-0.085 χ^2/NDF:39652.4/44

Out: -75.140+/-0.083 χ^2/NDF:48835.4/51

All: -74.737+/-0.059 χ^2/NDF: 88536.6/96

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.715+/-0.010 χ^2/NDF: 3078.7/21

Left Out: 0.425+/-0.004 χ^2/NDF:3035.4/24

Right Out: 0.659+/-0.009 χ^2/NDF: 3805.4/26

Left In: 0.398+/-0.004 χ^2/NDF:4271.0/22

Left: 0.412+/-0.003 χ^2/NDF: 7328.2/47

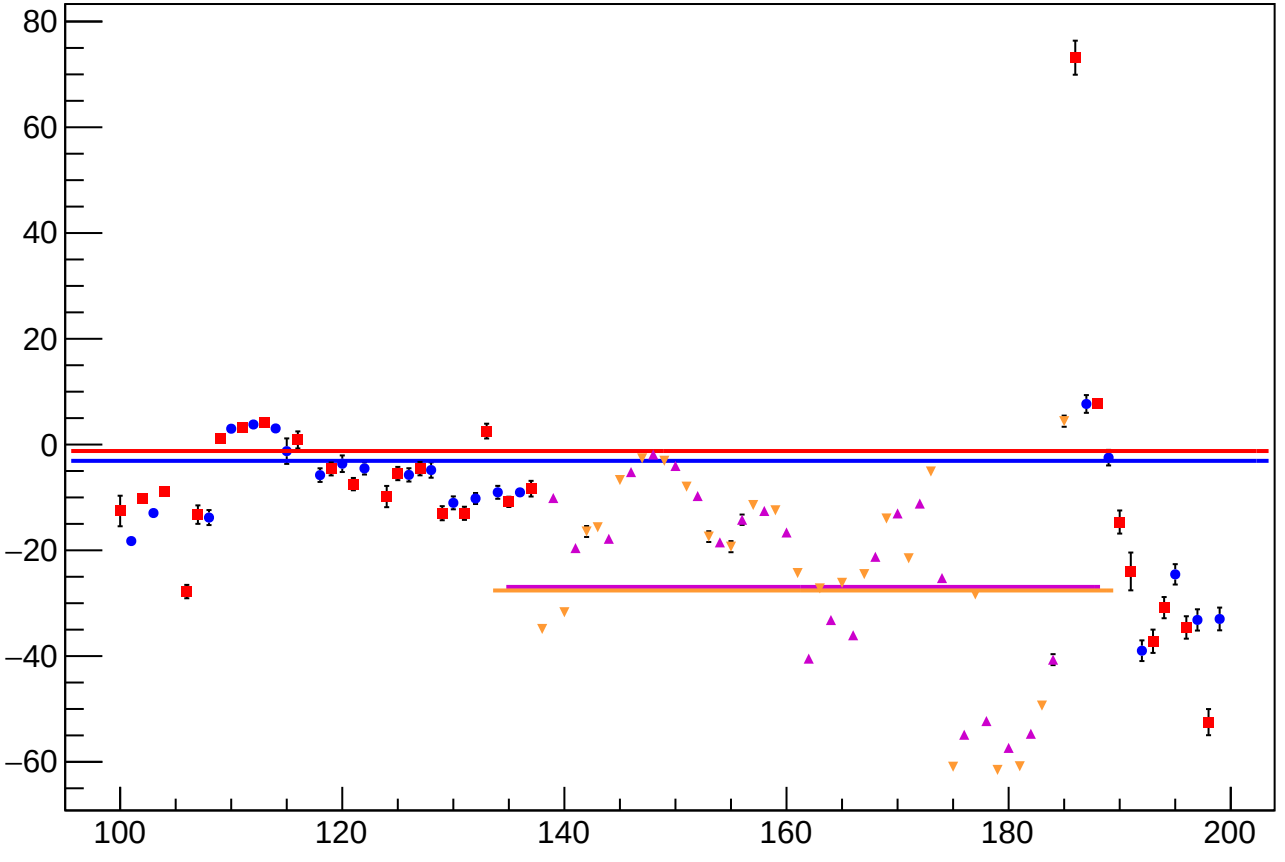
Right: 0.686+/-0.007 χ^2/NDF: 6901.9/48

In: 0.447+/-0.004 χ^2/NDF:8261.8/44

Out: 0.462+/-0.004 χ^2/NDF:7370.6/51

All: 0.455+/-0.003 χ^2/NDF: 15640.8/96

reg_asym_sam_1548_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -3.080+/-0.186 χ^2/NDF: 2433.8/21

Left Out: -27.594+/-0.144 χ^2/NDF:19761.6/24

Right Out: -1.222+/-0.164 χ^2/NDF: 3380.9/26

Left In: -26.918+/-0.149 χ^2/NDF:15536.6/22

Left: -27.267+/-0.104 χ^2/NDF: 35308.8/47

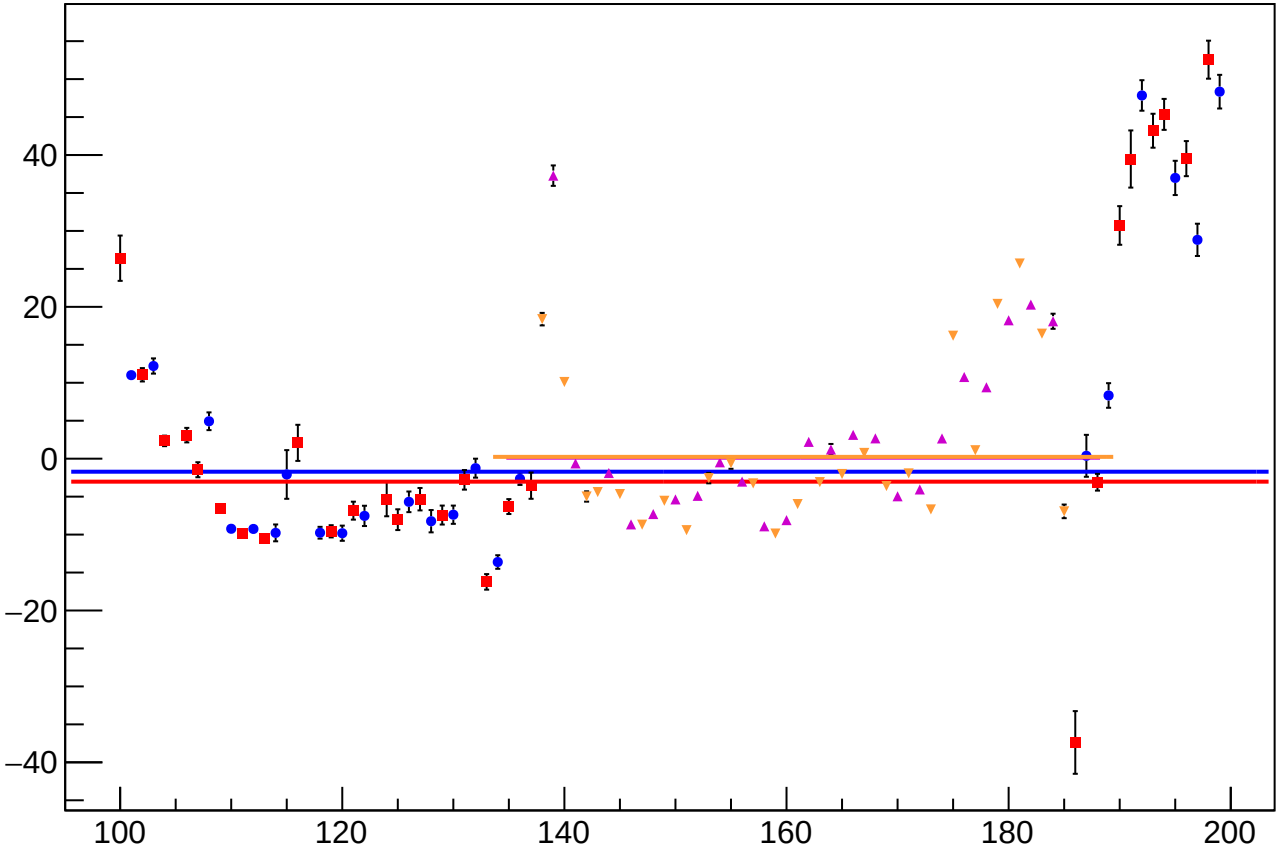
Right: -2.033+/-0.123 χ^2/NDF: 5871.0/48

In: -17.577+/-0.116 χ^2/NDF:27972.3/44

Out: -16.056+/-0.108 χ^2/NDF:37754.0/51

All: -16.761+/-0.079 χ^2/NDF: 65817.9/96

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -1.717+/-0.218 χ^2/NDF: 3168.2/21

Left Out: 0.238+/-0.110 χ^2/NDF:8035.6/24

Right Out: -3.028+/-0.209 χ^2/NDF: 3267.4/26

Left In: 0.131+/-0.114 χ^2/NDF:5837.4/22

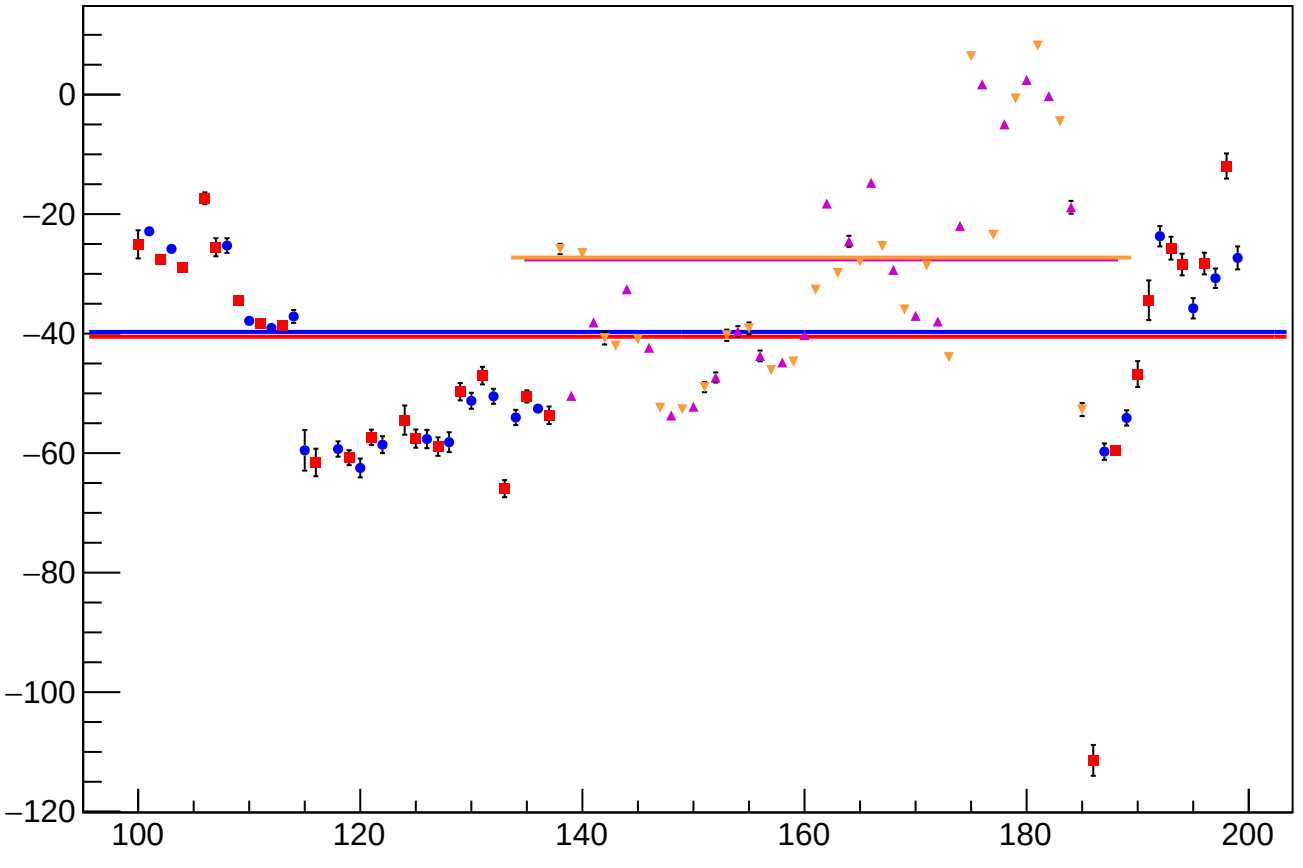
Left: 0.187+/-0.079 χ^2/NDF: 13873.5/47

Right: -2.399+/-0.151 χ^2/NDF: 6454.4/48

In: -0.268+/-0.101 χ^2/NDF:9061.9/44

Out: -0.471+/-0.098 χ^2/NDF:11493.4/51

All: -0.373+/-0.070 χ^2/NDF: 20557.4/96



Right In: -39.715+/-0.212 χ^2/NDF: 3462.1/21

Left Out: -27.271+/-0.144 χ^2/NDF:18526.9/24

Right Out: -40.516+/-0.195 χ^2/NDF: 4888.9/26

Left In: -27.583+/-0.148 χ^2/NDF:15648.7/22

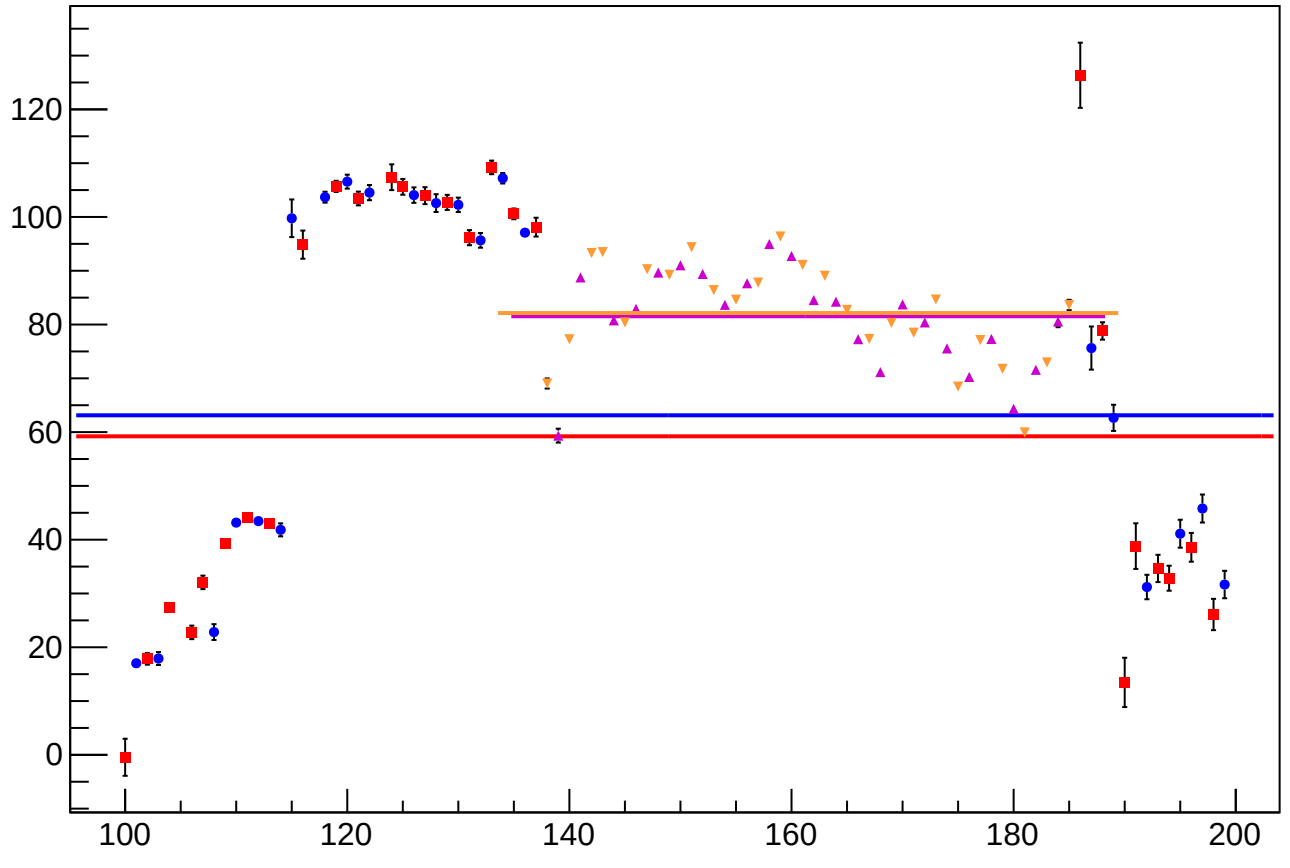
Left: -27.423+/-0.103 χ^2/NDF: 34177.9/47

Right: -40.150+/-0.144 χ^2/NDF: 8358.6/48

In: -31.553+/-0.122 χ^2/NDF:21303.8/44

Out: -31.938+/-0.116 χ^2/NDF:26401.3/51

All: -31.755+/-0.084 χ^2/NDF: 47710.4/96



Right In: 63.126+/-0.250 χ^2/NDF: 19089.0/21

Left Out: 82.134+/-0.125 χ^2/NDF:5375.9/24

Right Out: 59.219+/-0.241 χ^2/NDF: 18241.3/26

Left In: 81.539+/-0.129 χ^2/NDF:4043.0/22

Left: 81.846+/-0.090 χ^2/NDF: 9429.9/47

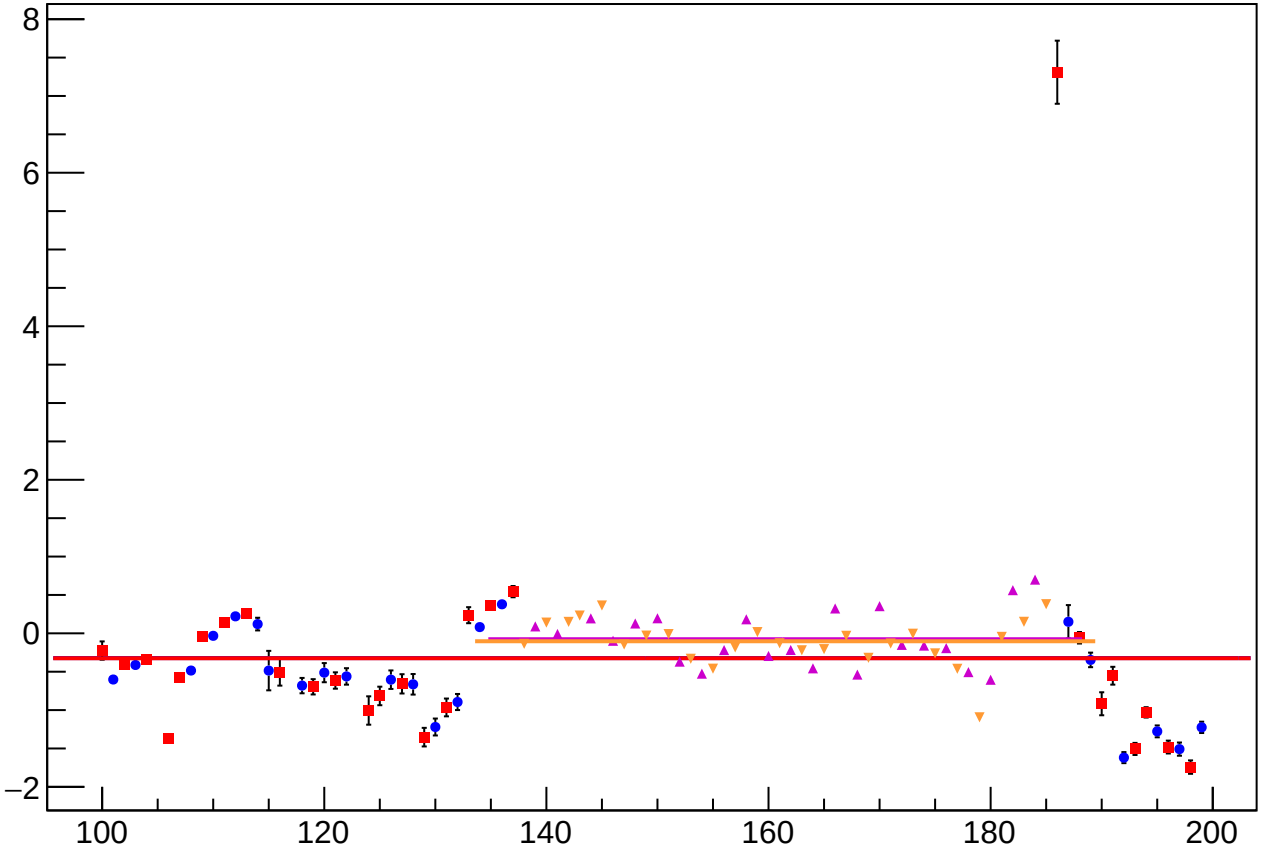
Right: 61.095+/-0.173 χ^2/NDF: 37456.8/48

In: 77.678+/-0.115 χ^2/NDF:27407.2/44

Out: 77.278+/-0.111 χ^2/NDF:30766.3/51

All: 77.471+/-0.080 χ^2/NDF: 58179.8/96

reg_asym_sam_1548_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.322+/-0.013 χ^2/NDF: 1835.6/21

Left Out: -0.103+/-0.006 χ^2/NDF:2408.2/24

Right Out: -0.325+/-0.012 χ^2/NDF: 2604.1/26

Left In: -0.077+/-0.006 χ^2/NDF:3320.8/22

Left: -0.090+/-0.004 χ^2/NDF: 5739.7/47

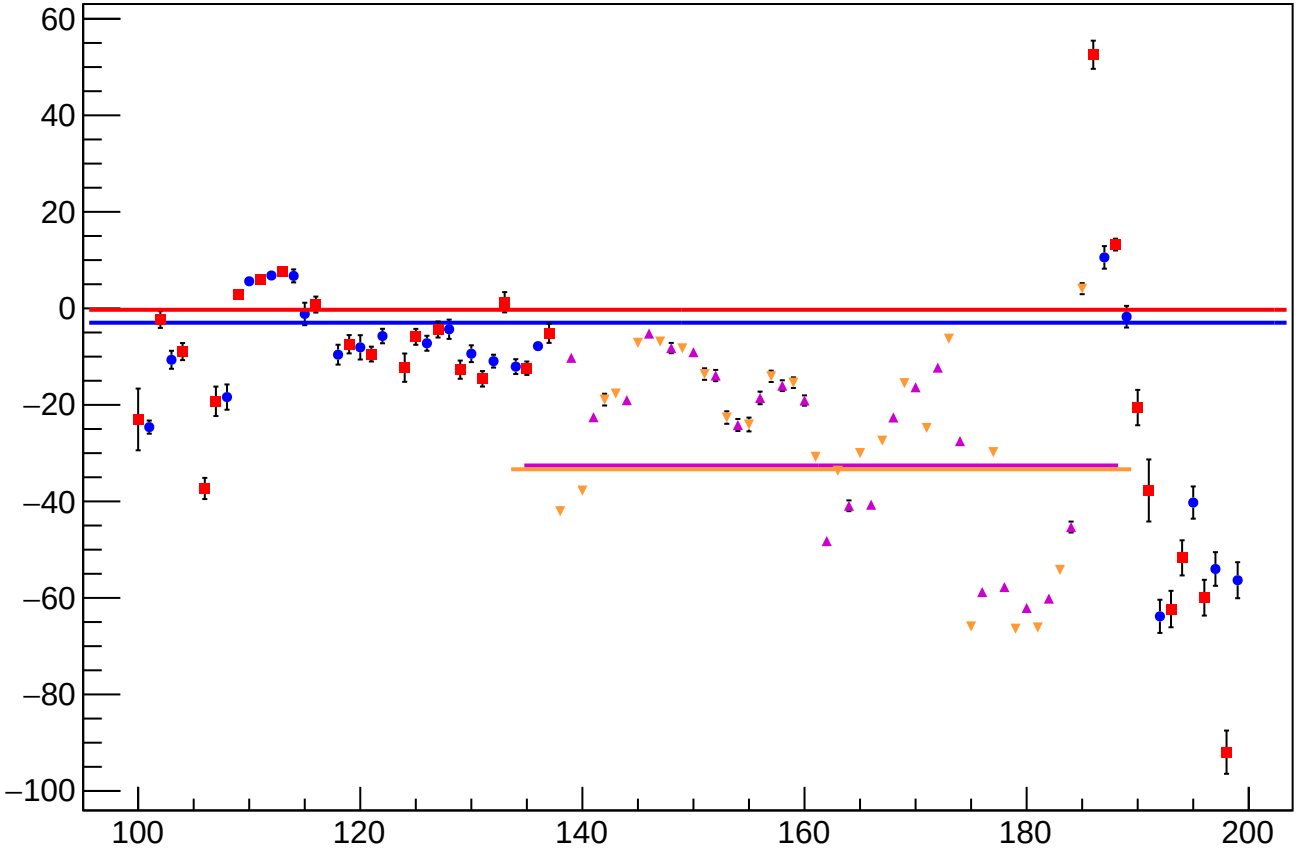
Right: -0.324+/-0.009 χ^2/NDF: 4439.7/48

In: -0.119+/-0.005 χ^2/NDF:5473.3/44

Out: -0.143+/-0.005 χ^2/NDF:5291.1/51

All: -0.131+/-0.004 χ^2/NDF: 10774.8/96

reg_asym_sam_3748_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -2.971+/-0.298 χ^2/NDF: 1809.0/21

Left Out: -33.346+/-0.165 χ^2/NDF:17989.6/24

Right Out: -0.295+/-0.270 χ^2/NDF: 2594.9/26

Left In: -32.559+/-0.169 χ^2/NDF:13896.0/22

Left: -32.964+/-0.118 χ^2/NDF: 31896.7/47

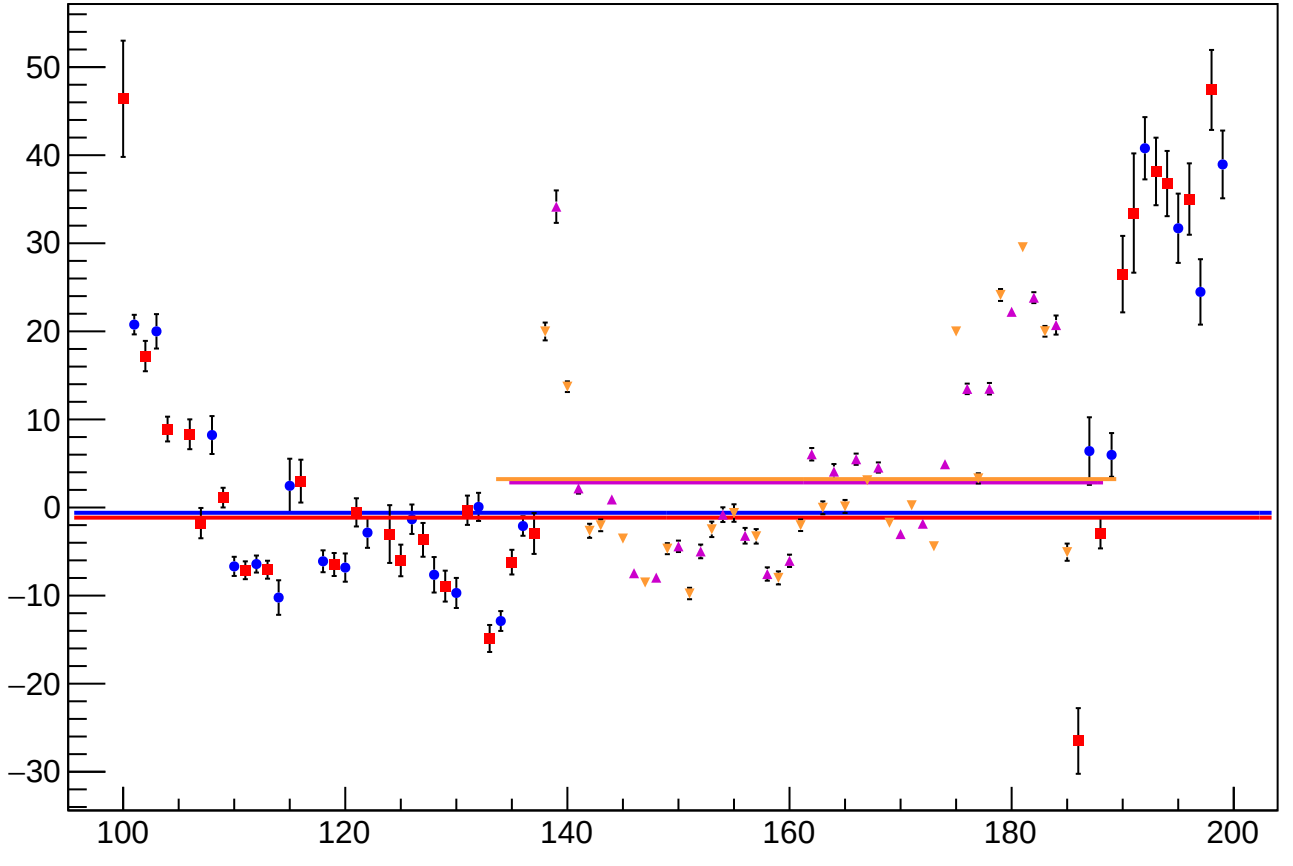
Right: -1.500+/-0.200 χ^2/NDF: 4448.2/48

In: -25.338+/-0.147 χ^2/NDF:23147.7/44

Out: -24.379+/-0.141 χ^2/NDF:31522.2/51

All: -24.836+/-0.102 χ^2/NDF: 54692.0/96

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.599+/-0.345 χ^2/NDF: 1154.9/21

Left Out: 3.224+/-0.128 χ^2/NDF:7675.6/24

Right Out: -1.149+/-0.340 χ^2/NDF: 980.9/26

Left In: 2.845+/-0.131 χ^2/NDF:5455.5/22

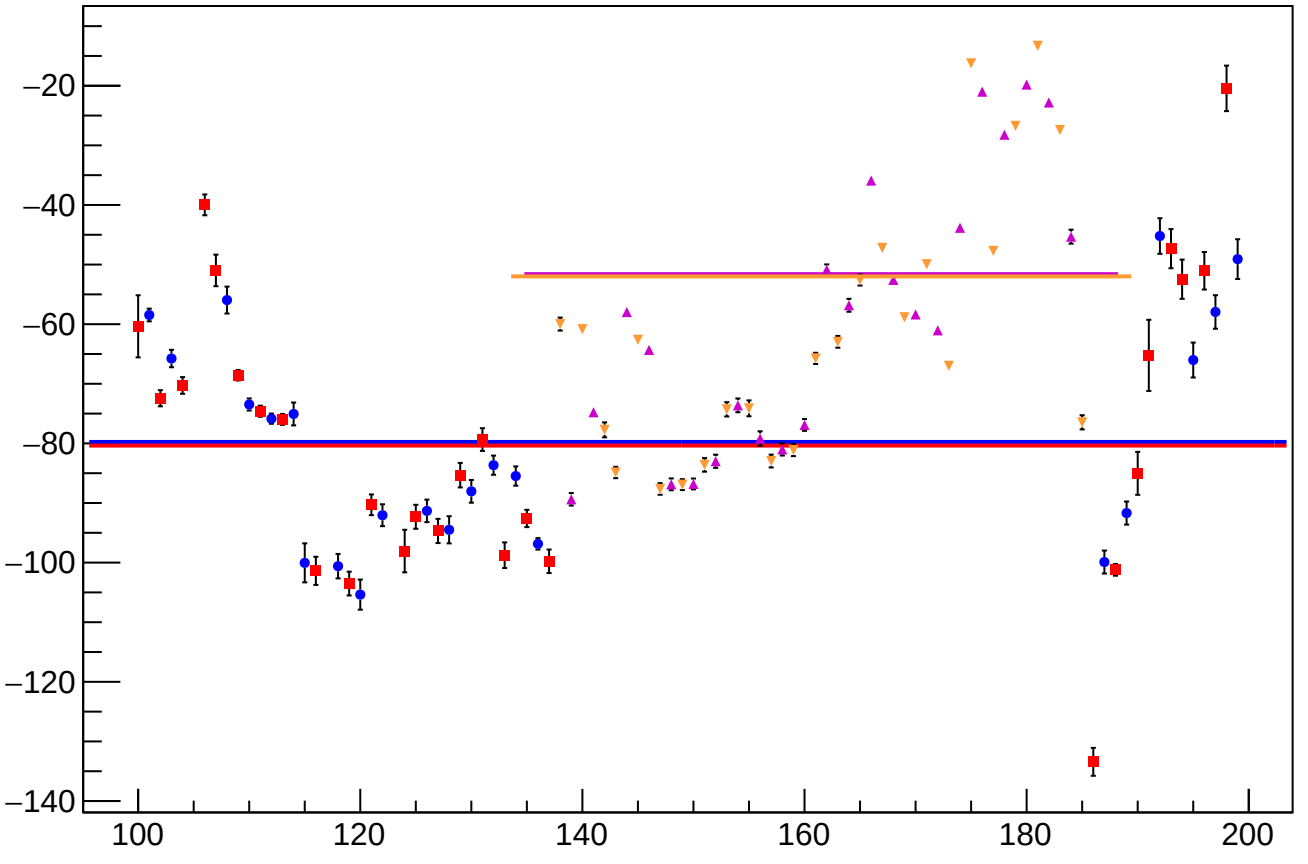
Left: 3.039+/-0.092 χ^2/NDF: 13135.4/47

Right: -0.878+/-0.242 χ^2/NDF: 2137.1/48

In: 2.410+/-0.123 χ^2/NDF:6697.4/44

Out: 2.680+/-0.120 χ^2/NDF:8801.5/51

All: 2.548+/-0.086 χ^2/NDF: 15501.4/96



Right In: -79.756+/-0.343 χ^2/NDF: 1836.0/21

Left Out: -51.982+/-0.165 χ^2/NDF:20887.7/24

Right Out: -80.366+/-0.321 χ^2/NDF: 3080.8/26

Left In: -51.612+/-0.169 χ^2/NDF:17624.2/22

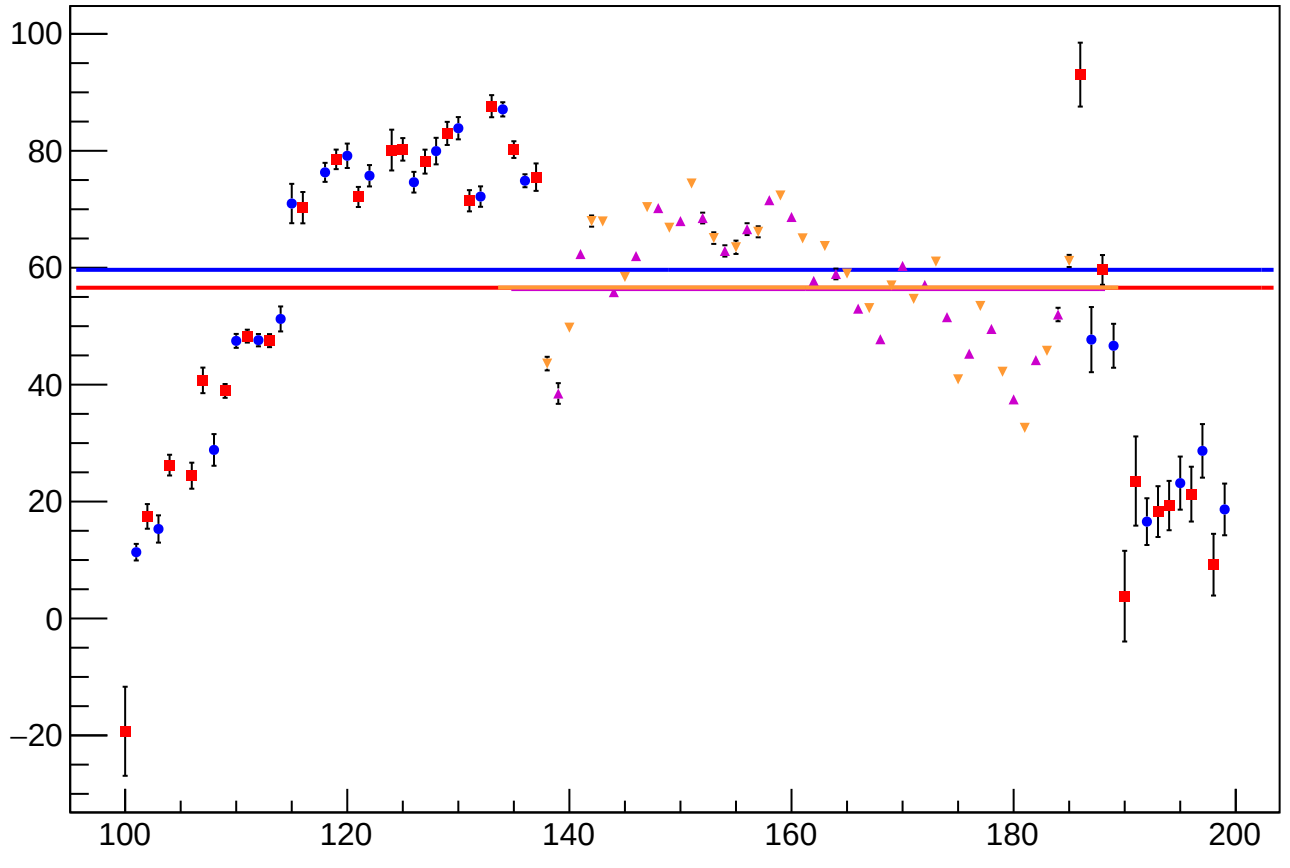
Left: -51.802+/-0.118 χ^2/NDF: 38514.3/47

Right: -80.081+/-0.234 χ^2/NDF: 4918.5/48

In: -57.120+/-0.152 χ^2/NDF:24883.4/44

Out: -57.891+/-0.147 χ^2/NDF:30142.5/51

All: -57.518+/-0.105 χ^2/NDF: 55039.3/96



Right In: 59.641+/-0.391 χ^2/NDF: 3572.0/21

Left Out: 56.612+/-0.144 χ^2/NDF:5666.2/24

Right Out: 56.579+/-0.387 χ^2/NDF: 3187.5/26

Left In: 56.348+/-0.147 χ^2/NDF:3968.7/22

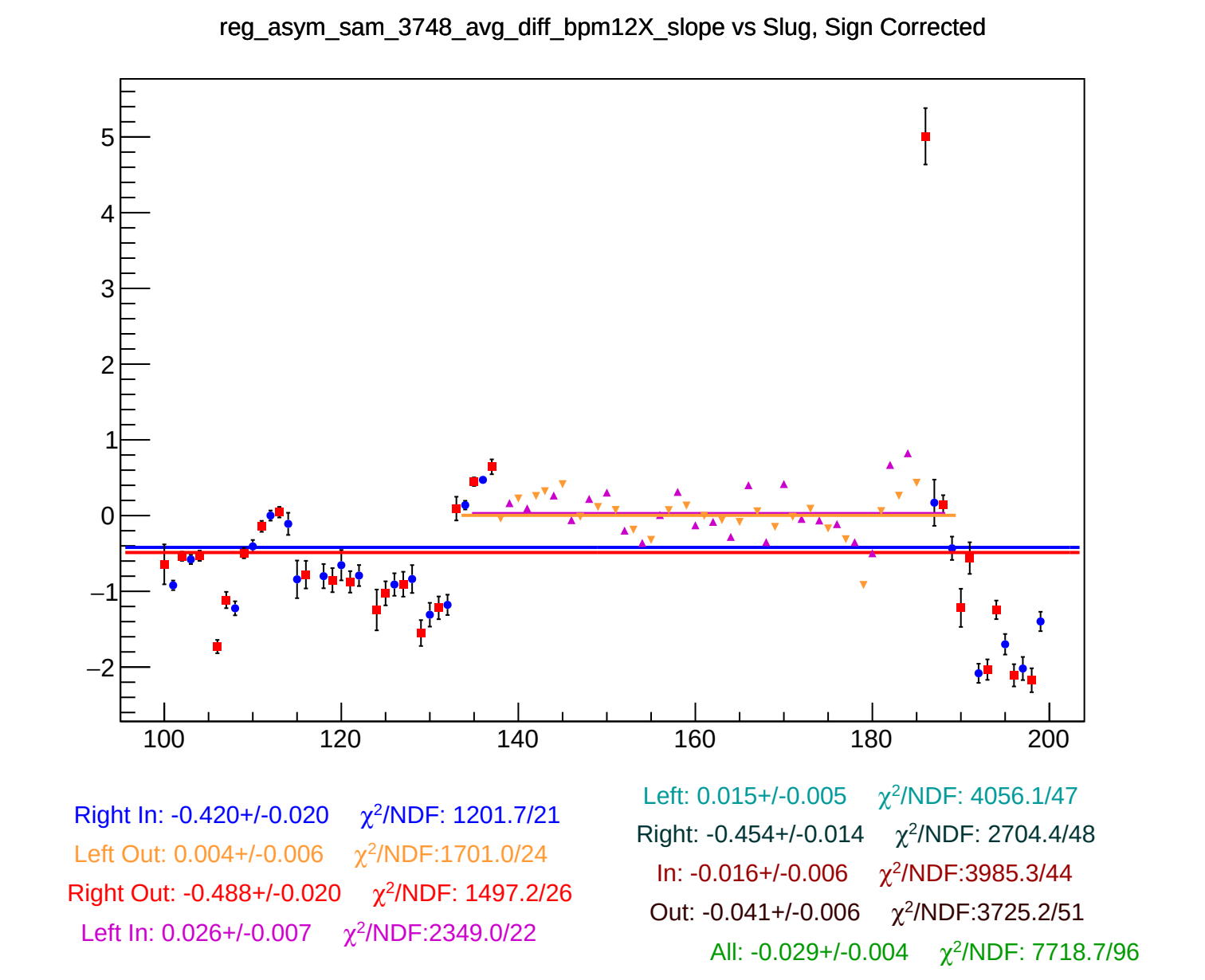
Left: 56.483+/-0.103 χ^2/NDF: 9636.5/47

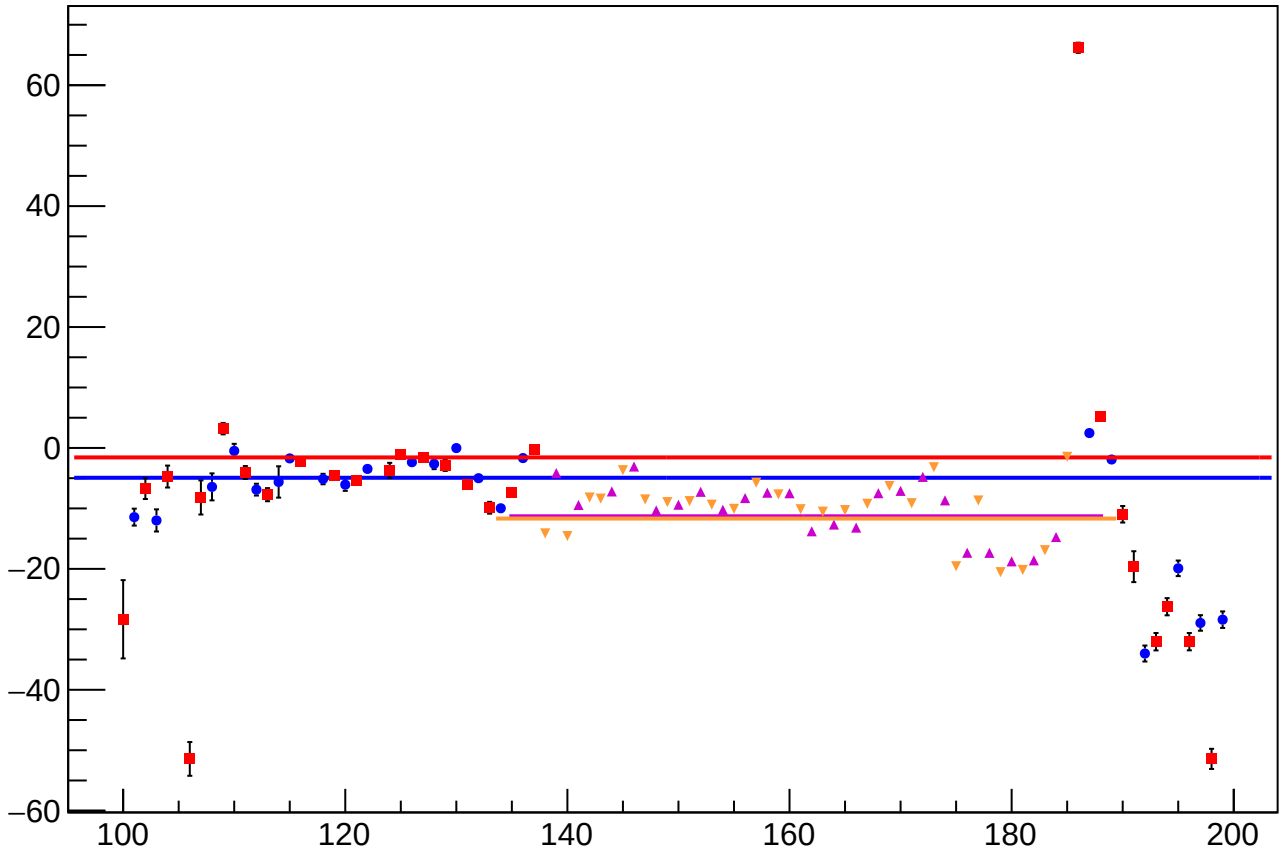
Right: 58.097+/-0.275 χ^2/NDF: 6790.5/48

In: 56.758+/-0.138 χ^2/NDF:7602.8/44

Out: 56.608+/-0.135 χ^2/NDF:8853.7/51

All: 56.681+/-0.096 χ^2/NDF: 16457.2/96


reg_asym_sam_3748_avg_diff_bpm12X_slope vs Slug, Sign Corrected
5
4
3
2
1
0
−1
−2
100
120
140
160
180
200
Right In: -0.420+/-0.020 χ²/NDF: 1201.7/21
Left Out: 0.004+/-0.006 χ²/NDF:1701.0/24
Right Out: -0.488+/-0.020 χ²/NDF: 1497.2/26
Left In: 0.026+/-0.007 χ²/NDF:2349.0/22
Left: 0.015+/-0.005 χ²/NDF: 4056.1/47
Right: -0.454+/-0.014 χ²/NDF: 2704.4/48
In: -0.016+/-0.006 χ²/NDF:3985.3/44
Out: -0.041+/-0.006 χ²/NDF:3725.2/51
All: -0.029+/-0.004 χ²/NDF: 7718.7/96



Right In: -4.931+/-0.173 χ^2/NDF: 1642.0/21

Left Out: -11.680+/-0.053 χ^2/NDF:12602.3/24

Right Out: -1.565+/-0.170 χ^2/NDF: 9623.7/26

Left In: -11.301+/-0.054 χ^2/NDF:9229.2/22

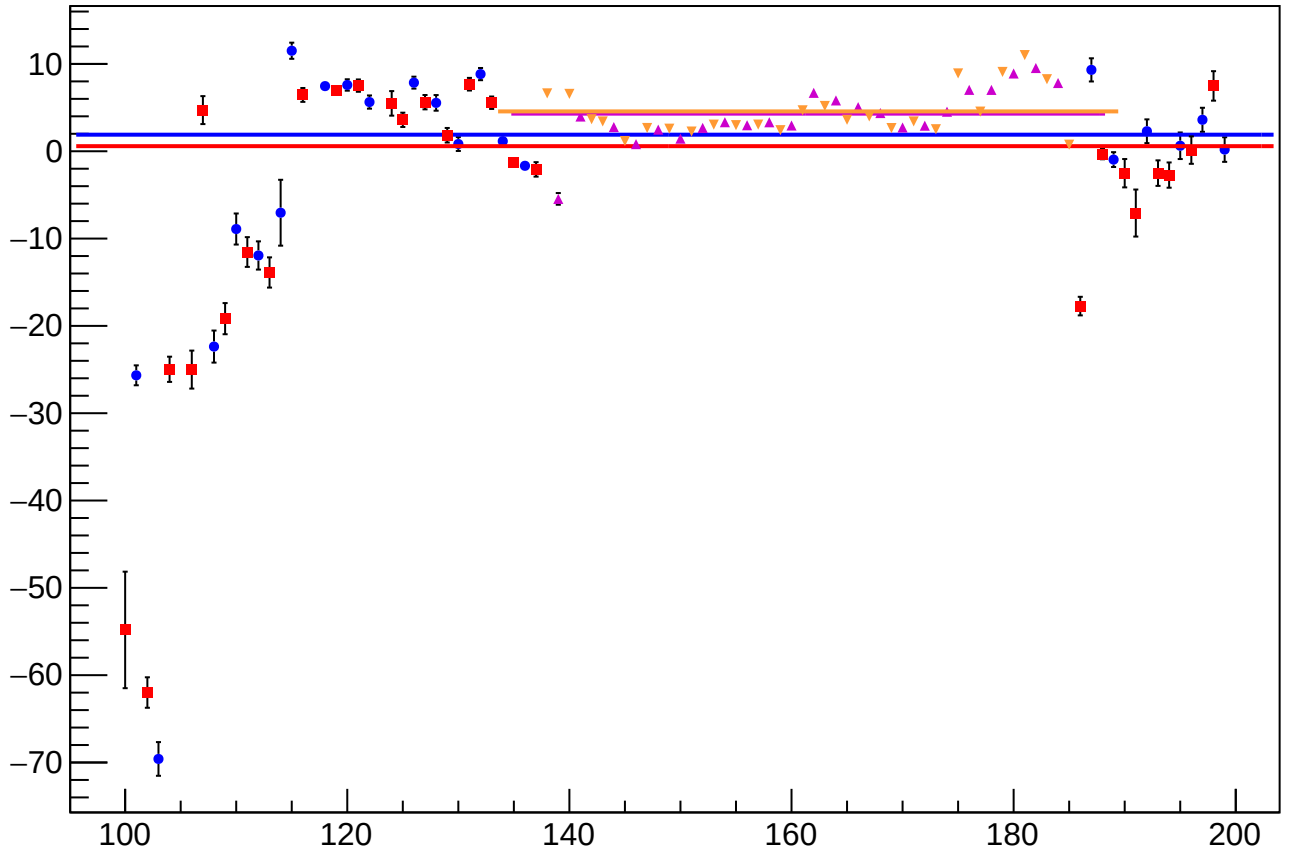
Left: -11.495+/-0.038 χ^2/NDF: 21856.8/47

Right: -3.222+/-0.121 χ^2/NDF: 11458.6/48

In: -10.734+/-0.052 χ^2/NDF:12110.0/44

Out: -10.795+/-0.050 χ^2/NDF:25453.9/51

All: -10.766+/-0.036 χ^2/NDF: 37564.6/96



Right In: 1.897+/-0.177 χ^2/NDF: 2884.5/21

Left Out: 4.564+/-0.041 χ^2/NDF:4356.3/24

Right Out: 0.583+/-0.186 χ^2/NDF: 2917.1/26

Left In: 4.308+/-0.042 χ^2/NDF:3609.0/22

Left: 4.438+/-0.030 χ^2/NDF: 7984.1/47

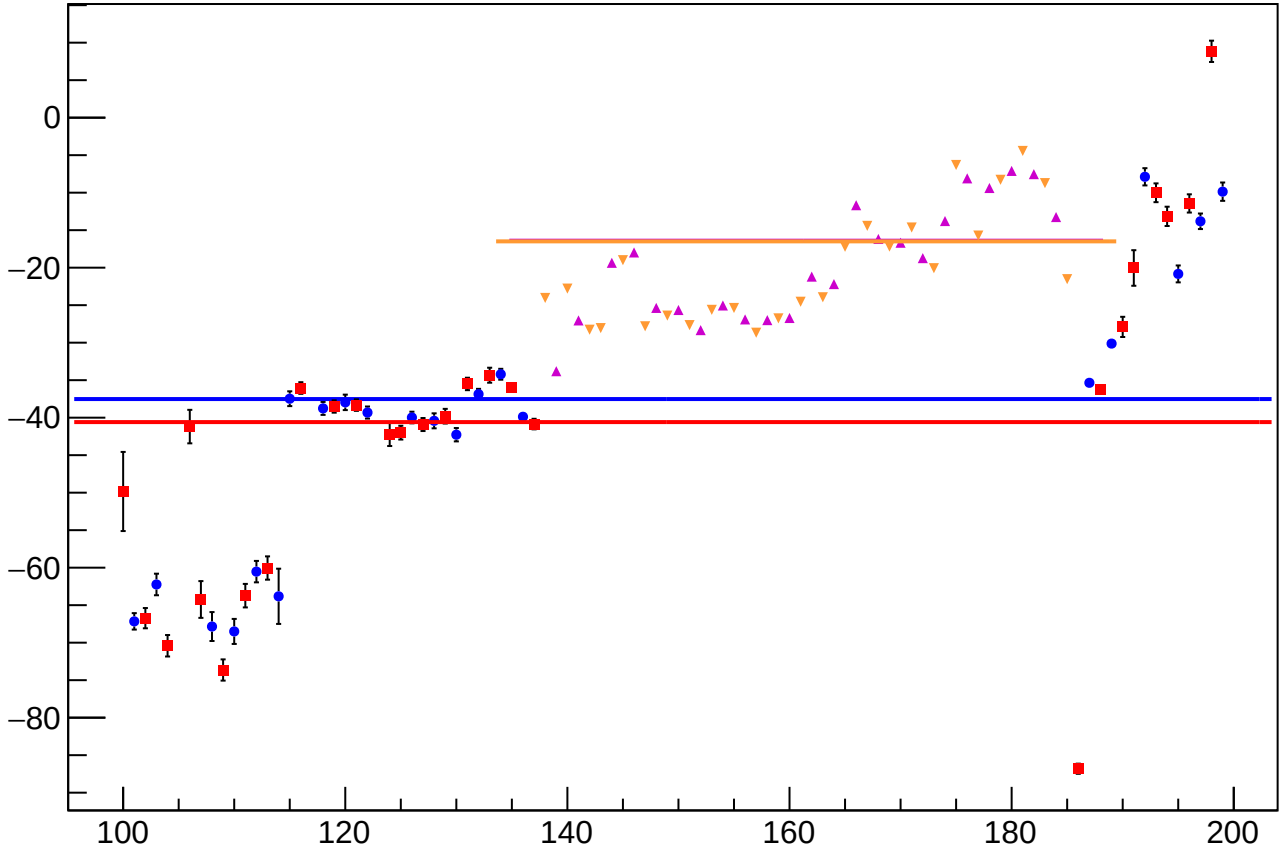
Right: 1.273+/-0.128 χ^2/NDF: 5827.8/48

In: 4.179+/-0.041 χ^2/NDF:6669.1/44

Out: 4.376+/-0.040 χ^2/NDF:7710.5/51

All: 4.279+/-0.029 χ^2/NDF: 14391.3/96

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -37.518+/-0.180 χ^2/NDF: 4106.0/21

Left Out: -16.492+/-0.053 χ^2/NDF:21982.6/24

Right Out: -40.589+/-0.174 χ^2/NDF: 9868.6/26

Left In: -16.403+/-0.054 χ^2/NDF:18032.3/22

Left: -16.448+/-0.038 χ^2/NDF: 40016.4/47

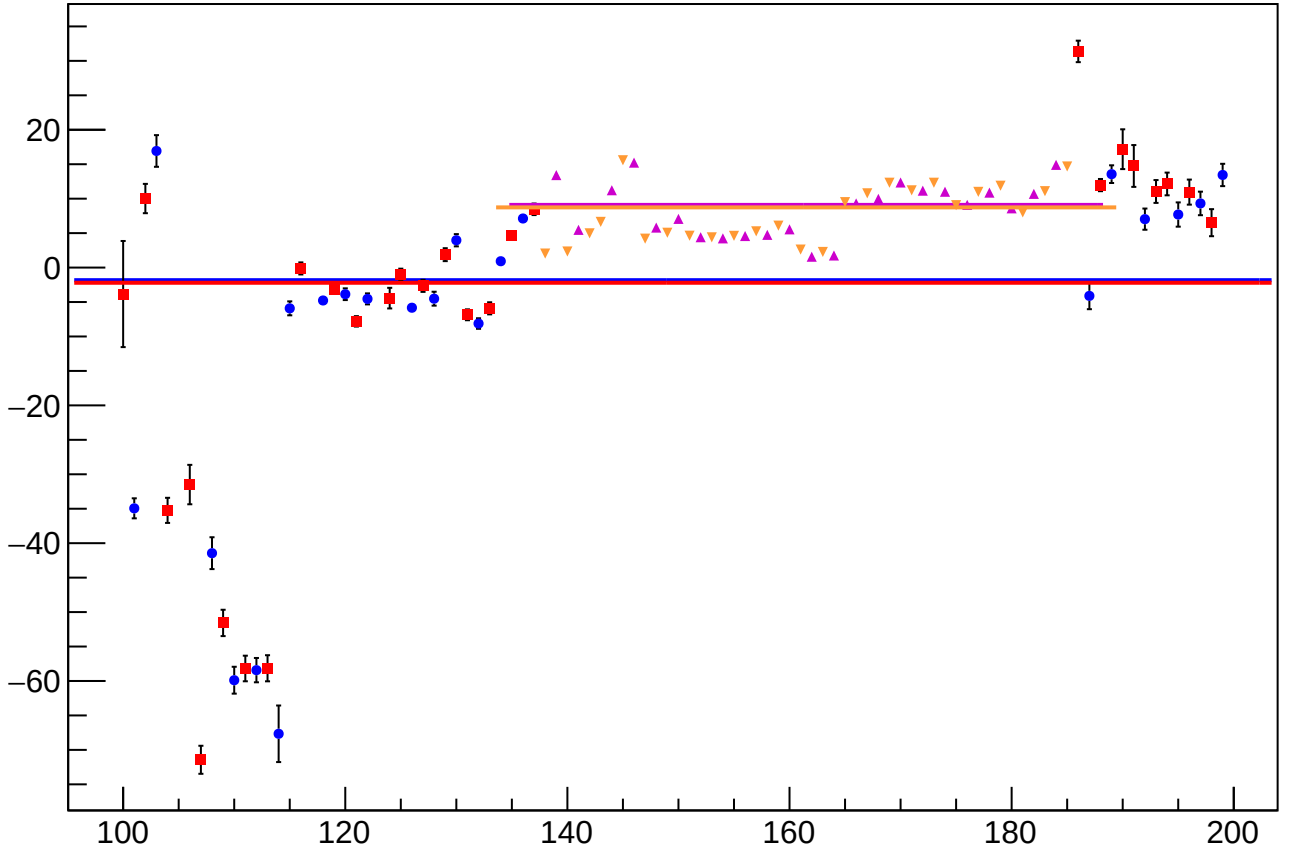
Right: -39.103+/-0.125 χ^2/NDF: 14125.2/48

In: -18.144+/-0.052 χ^2/NDF:34786.5/44

Out: -18.521+/-0.051 χ^2/NDF:49398.0/51

All: -18.337+/-0.036 χ^2/NDF: 84211.8/96

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.829+/-0.200 χ^2/NDF: 4092.3/21

Left Out: 8.735+/-0.046 χ^2/NDF:6875.5/24

Right Out: -2.203+/-0.214 χ^2/NDF: 5532.3/26

Left In: 9.096+/-0.047 χ^2/NDF:5739.5/22

Left: 8.912+/-0.033 χ^2/NDF: 12645.1/47

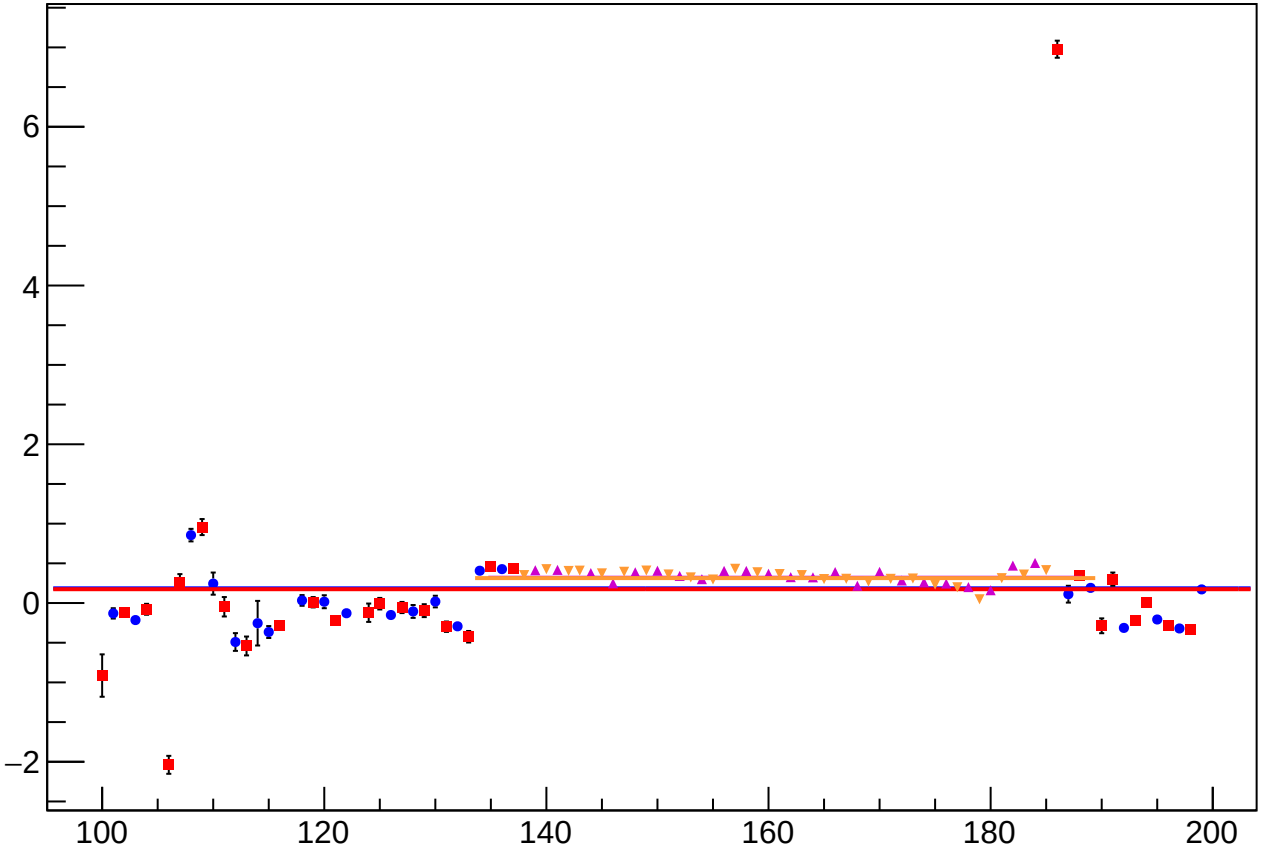
Right: -2.003+/-0.146 χ^2/NDF: 9626.3/48

In: 8.520+/-0.046 χ^2/NDF:12669.4/44

Out: 8.248+/-0.045 χ^2/NDF:14902.2/51

All: 8.382+/-0.032 χ^2/NDF: 27589.6/96

reg_asym_sam_1526_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.185+/-0.010 χ^2/NDF: 903.7/21

Left Out: 0.314+/-0.002 χ^2/NDF:1602.1/24

Right Out: 0.174+/-0.011 χ^2/NDF: 5276.7/26

Left In: 0.319+/-0.002 χ^2/NDF:1787.8/22

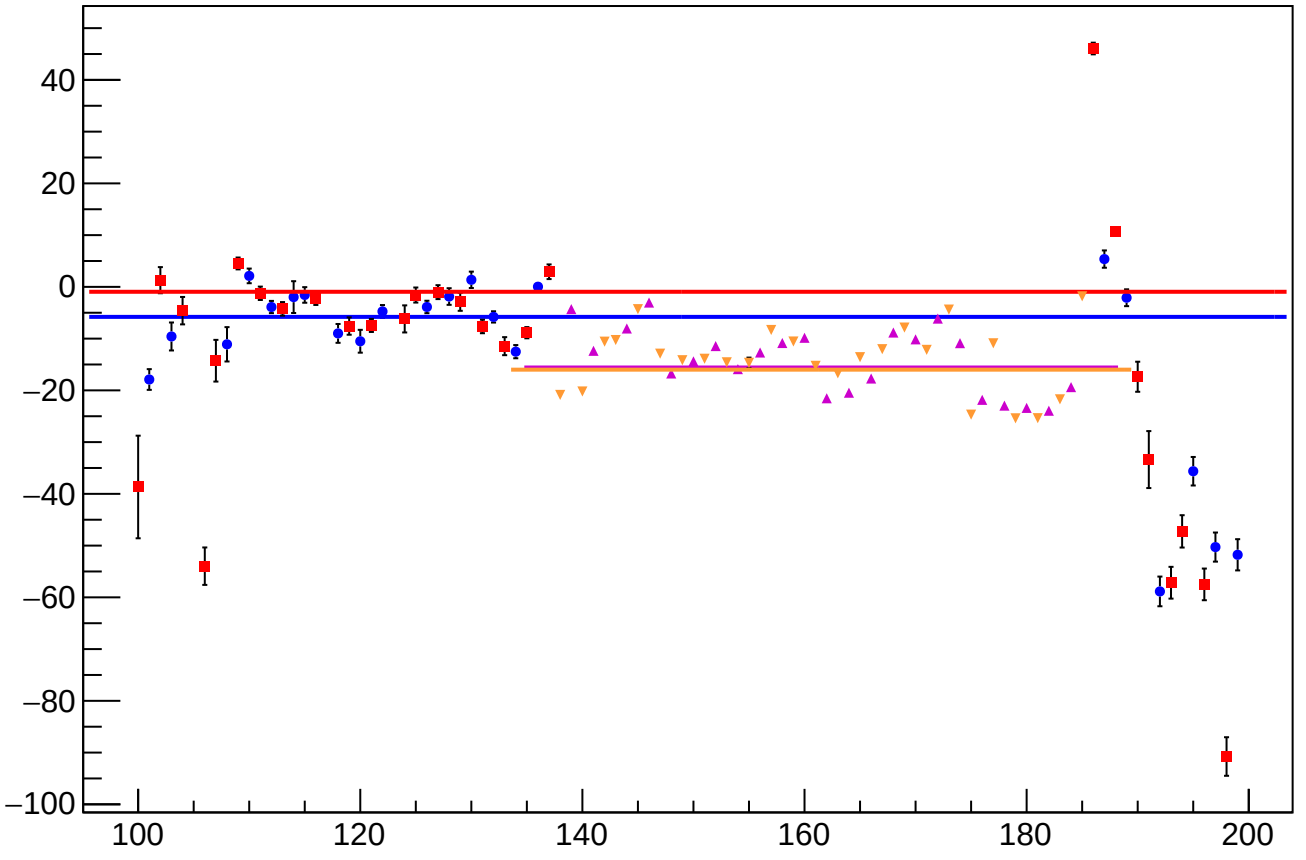
Left: 0.316+/-0.001 χ^2/NDF: 3392.4/47

Right: 0.180+/-0.008 χ^2/NDF: 6180.9/48

In: 0.313+/-0.002 χ^2/NDF:2855.2/44

Out: 0.309+/-0.002 χ^2/NDF:7028.5/51

All: 0.311+/-0.001 χ^2/NDF: 9885.5/96



Right In: -5.799+/-0.323 χ^2/NDF: 1209.7/21

Left Out: -16.000+/-0.099 χ^2/NDF:5962.8/24

Right Out: -0.948+/-0.310 χ^2/NDF: 3885.3/26

Left In: -15.582+/-0.102 χ^2/NDF:4759.9/22

Left: -15.797+/-0.071 χ^2/NDF: 10731.3/47

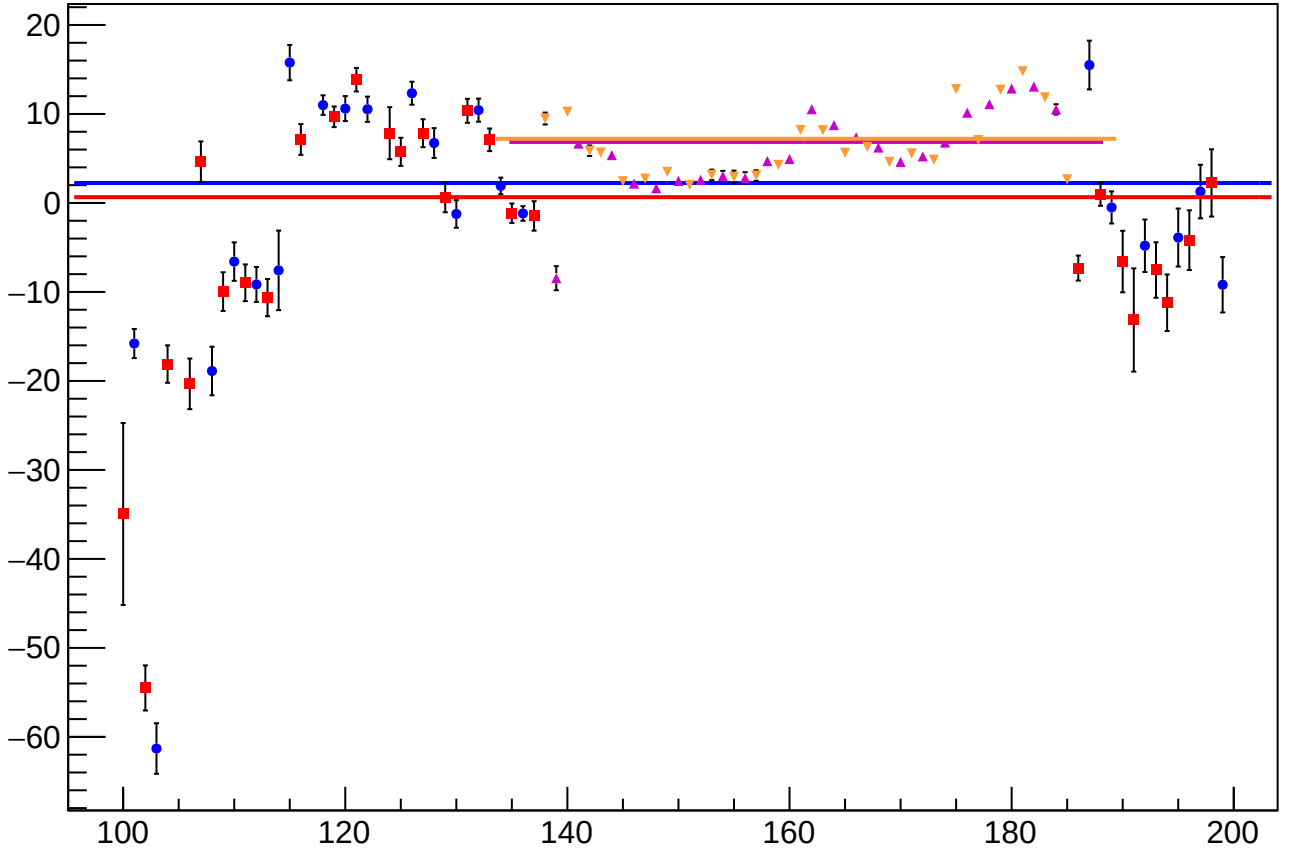
Right: -3.275+/-0.224 χ^2/NDF: 5212.3/48

In: -14.696+/-0.097 χ^2/NDF:6803.1/44

Out: -14.599+/-0.095 χ^2/NDF:11983.2/51

All: -14.646+/-0.068 χ^2/NDF: 18786.8/96

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.242+/-0.339 χ^2/NDF: 1095.7/21

Left Out: 7.212+/-0.080 χ^2/NDF:2455.9/24

Right Out: 0.654+/-0.347 χ^2/NDF: 1056.3/26

Left In: 6.856+/-0.081 χ^2/NDF:2156.4/22

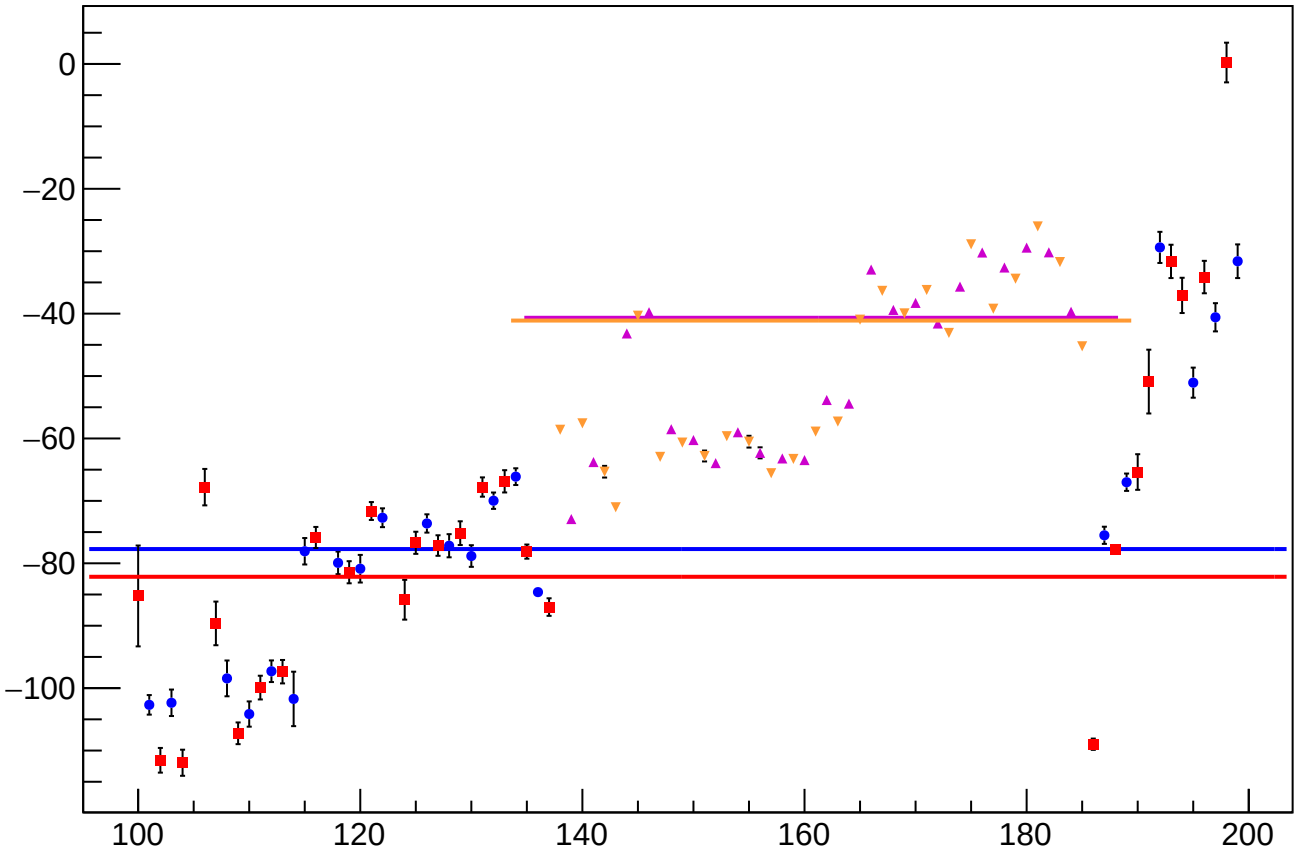
Left: 7.036+/-0.057 χ^2/NDF: 4622.1/47

Right: 1.467+/-0.242 χ^2/NDF: 2162.7/48

In: 6.606+/-0.079 χ^2/NDF:3427.7/44

Out: 6.880+/-0.078 χ^2/NDF:3851.3/51

All: 6.745+/-0.055 χ^2/NDF: 7285.1/96



Right In: -77.717+/-0.343 χ^2/NDF: 2118.0/21

Left Out: -41.111+/-0.100 χ^2/NDF:16000.8/24

Right Out: -82.160+/-0.323 χ^2/NDF: 3712.2/26

Left In: -40.665+/-0.102 χ^2/NDF:13541.3/22

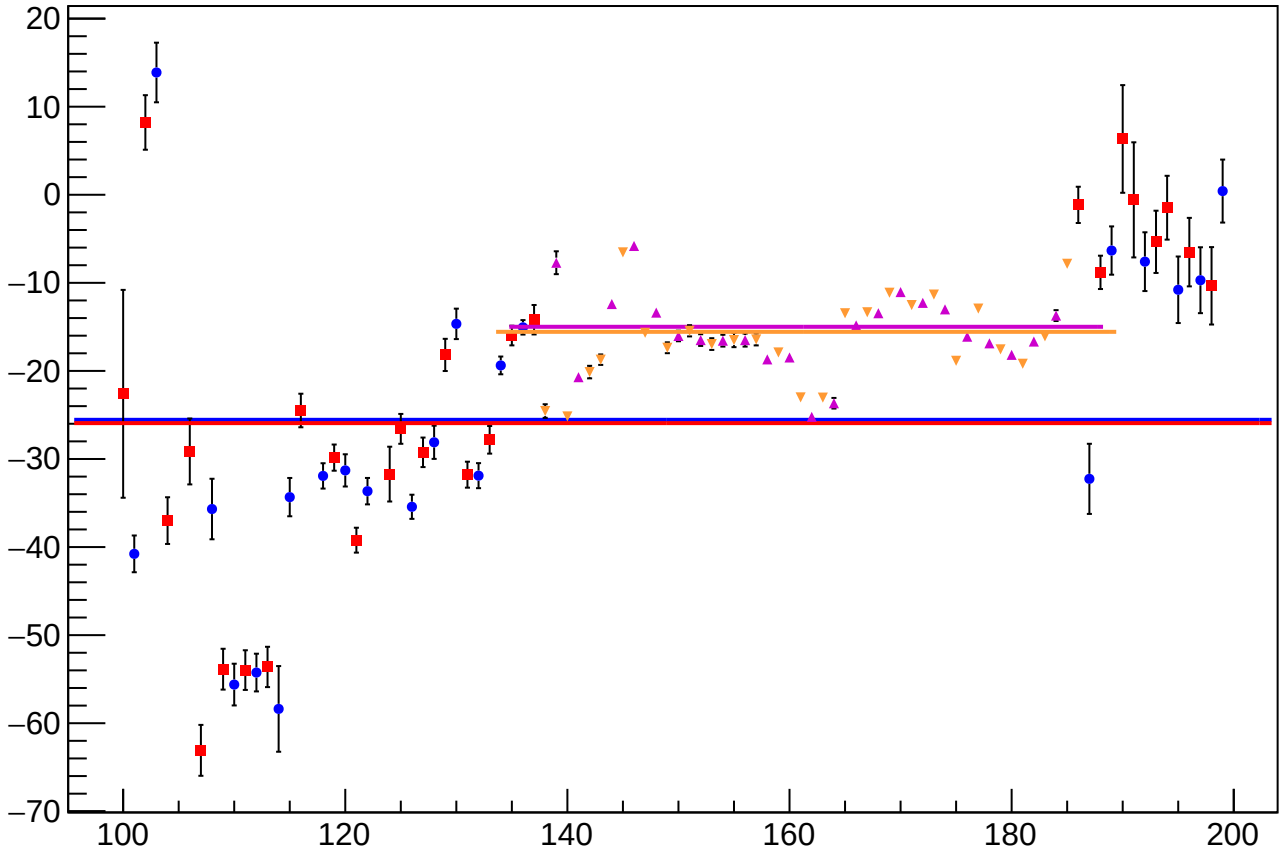
Left: -40.893+/-0.071 χ^2/NDF: 29551.8/47

Right: -80.075+/-0.235 χ^2/NDF: 5919.0/48

In: -43.682+/-0.098 χ^2/NDF:26357.5/44

Out: -44.703+/-0.096 χ^2/NDF:34459.0/51

All: -44.205+/-0.068 χ^2/NDF: 60872.2/96



Right In: -25.552+/-0.381 χ^2/NDF: 1140.3/21

Left Out: -15.562+/-0.089 χ^2/NDF:2549.5/24

Right Out: -25.928+/-0.401 χ^2/NDF: 1405.6/26

Left In: -14.990+/-0.090 χ^2/NDF:2150.9/22

Left: -15.281+/-0.063 χ^2/NDF: 4720.8/47

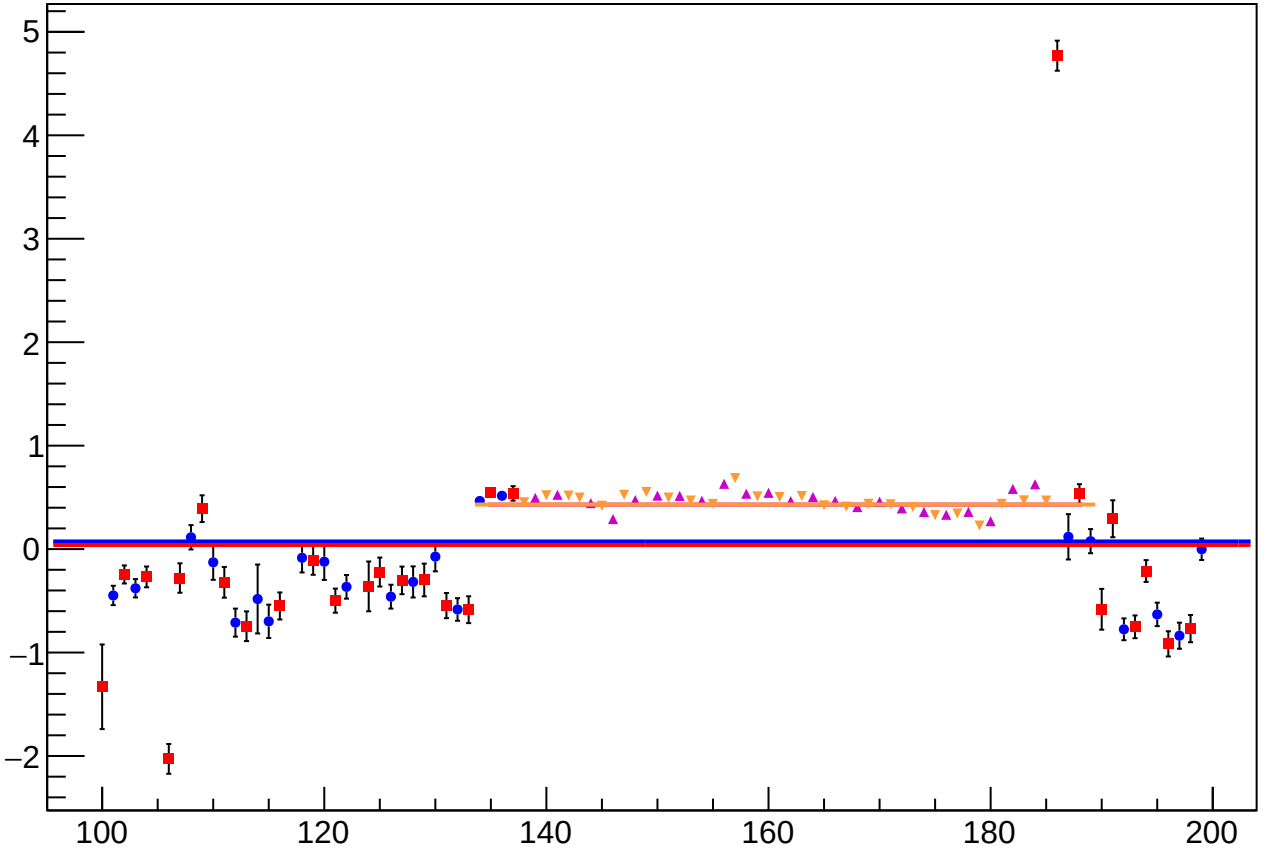
Right: -25.731+/-0.276 χ^2/NDF: 2546.3/48

In: -15.552+/-0.088 χ^2/NDF:4019.6/44

Out: -16.048+/-0.087 χ^2/NDF:4592.2/51

All: -15.803+/-0.062 χ^2/NDF: 8627.9/96

reg_asym_sam_3726_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.074+/-0.020 χ^2/NDF: 595.9/21

Left Out: 0.431+/-0.004 χ^2/NDF:418.4/24

Right Out: 0.040+/-0.021 χ^2/NDF: 1833.1/26

Left In: 0.430+/-0.004 χ^2/NDF:583.6/22

Left: 0.430+/-0.003 χ^2/NDF: 1002.0/47

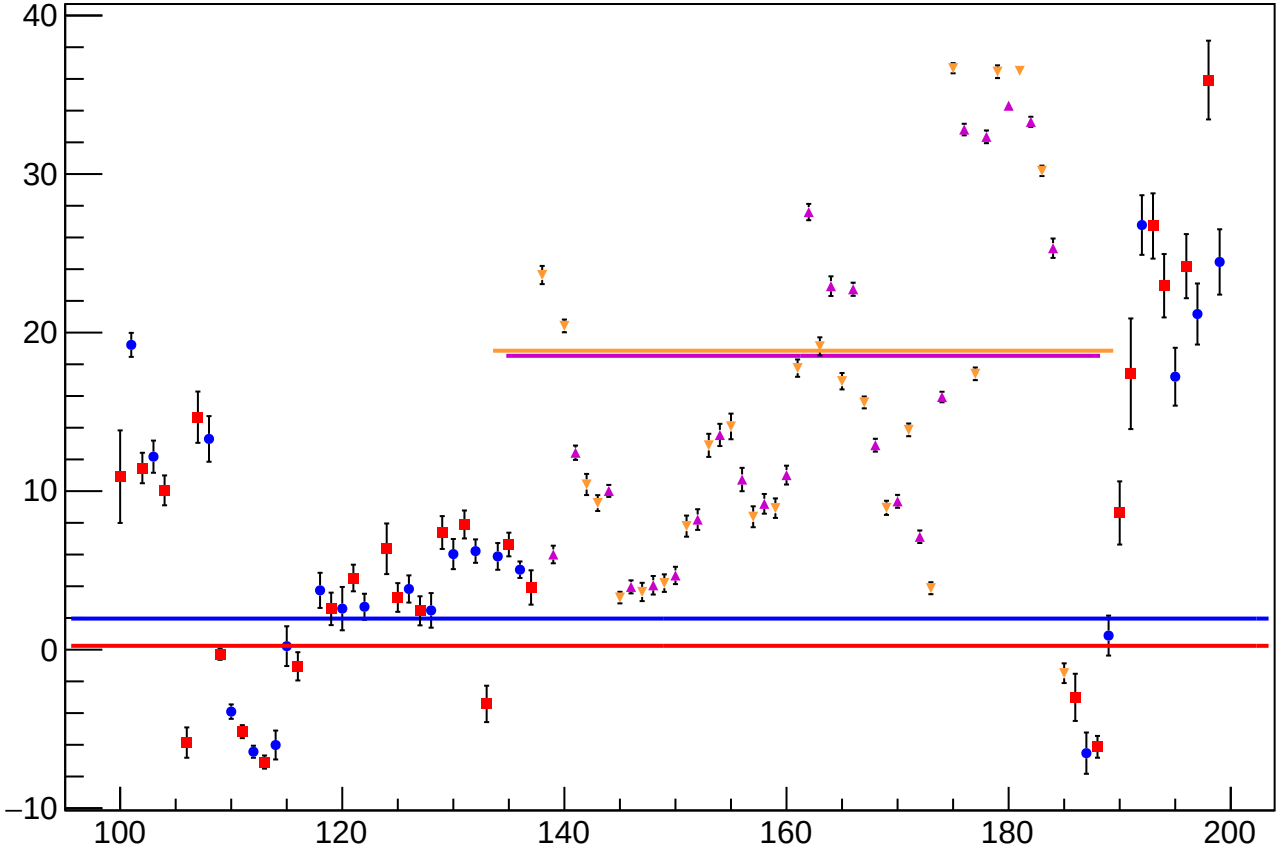
Right: 0.058+/-0.014 χ^2/NDF: 2430.4/48

In: 0.415+/-0.004 χ^2/NDF:1496.0/44

Out: 0.418+/-0.004 χ^2/NDF:2575.8/51

All: 0.417+/-0.003 χ^2/NDF: 4071.9/96

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 1.961+/-0.176 χ^2/NDF: 2037.1/21

Left Out: 18.858+/-0.090 χ^2/NDF:18374.1/24

Right Out: 0.243+/-0.159 χ^2/NDF: 1924.9/26

Left In: 18.535+/-0.093 χ^2/NDF:14066.0/22

Left: 18.701+/-0.065 χ^2/NDF: 32446.3/47

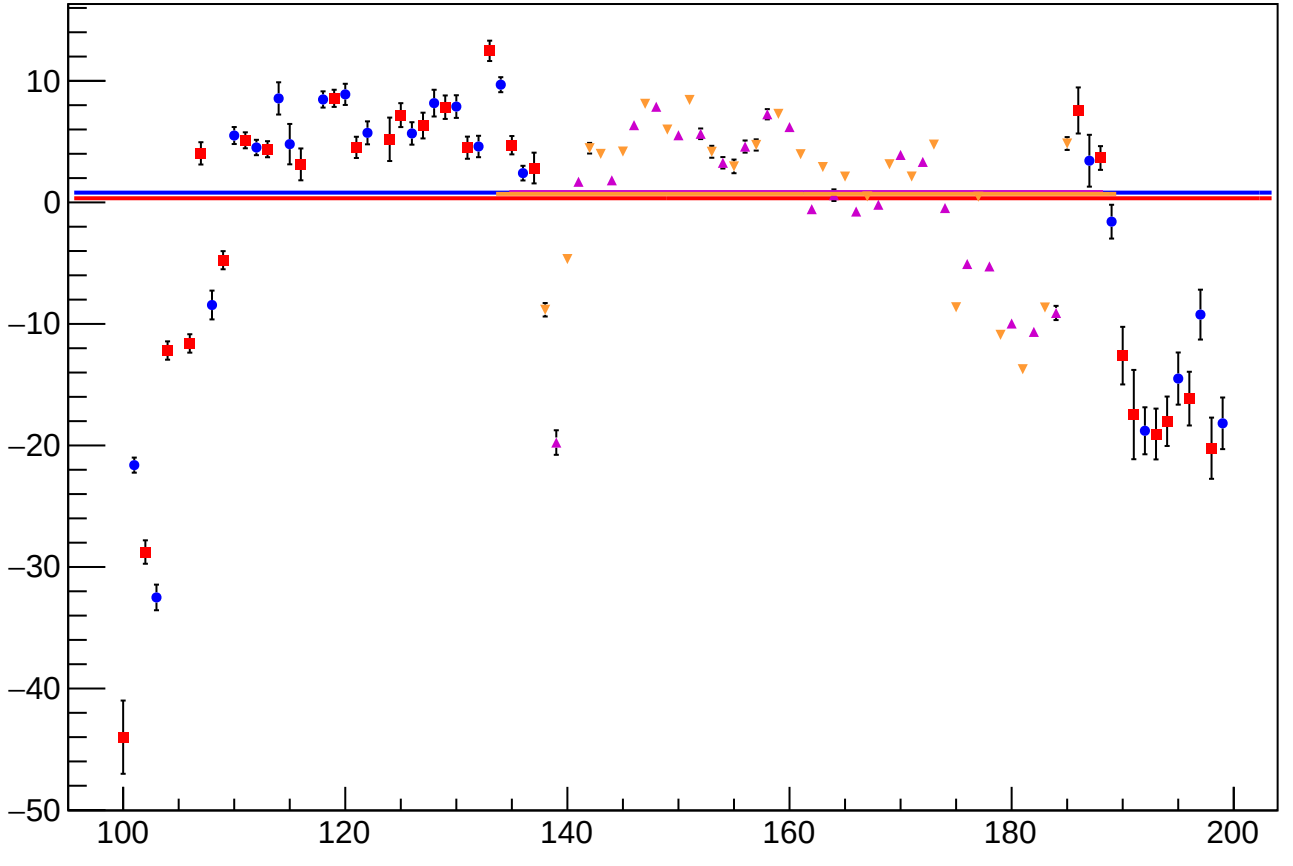
Right: 1.014+/-0.118 χ^2/NDF: 4014.3/48

In: 14.916+/-0.082 χ^2/NDF:23002.9/44

Out: 14.317+/-0.079 χ^2/NDF:30641.4/51

All: 14.602+/-0.057 χ^2/NDF: 53672.0/96

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.804+/-0.197 χ^2/NDF: 3352.4/21

Left Out: 0.702+/-0.071 χ^2/NDF:8237.8/24

Right Out: 0.340+/-0.193 χ^2/NDF: 2753.9/26

Left In: 0.847+/-0.072 χ^2/NDF:6045.4/22

Left: 0.773+/-0.051 χ^2/NDF: 14285.2/47

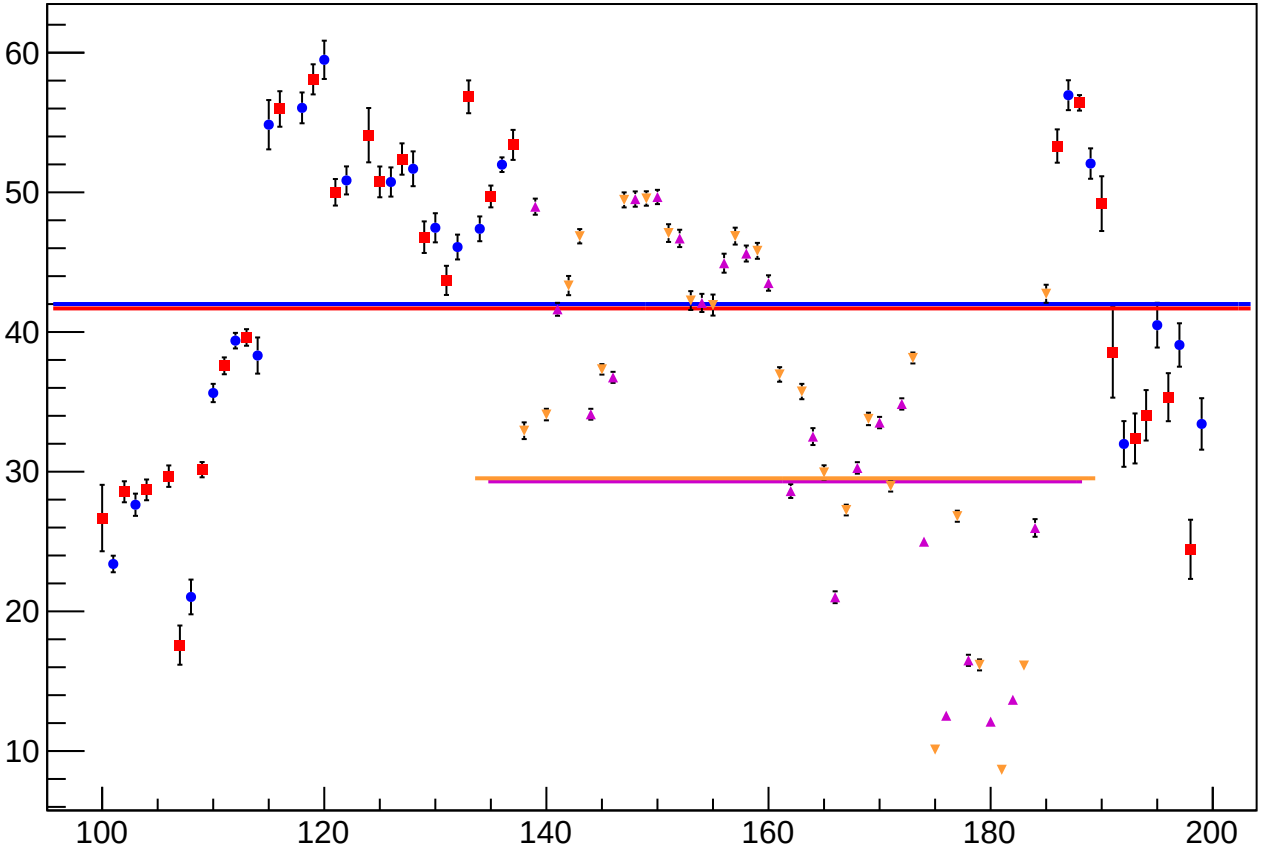
Right: 0.568+/-0.138 χ^2/NDF: 6109.1/48

In: 0.842+/-0.068 χ^2/NDF:9397.8/44

Out: 0.659+/-0.066 χ^2/NDF:10994.8/51

All: 0.748+/-0.047 χ^2/NDF: 20396.3/96

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 42.004+/-0.197 χ^2/NDF: 3098.3/21

Left Out: 29.526+/-0.091 χ^2/NDF:21083.7/24

Right Out: 41.689+/-0.183 χ^2/NDF: 3679.5/26

Left In: 29.306+/-0.093 χ^2/NDF:17870.3/22

Left: 29.419+/-0.065 χ^2/NDF: 38956.9/47

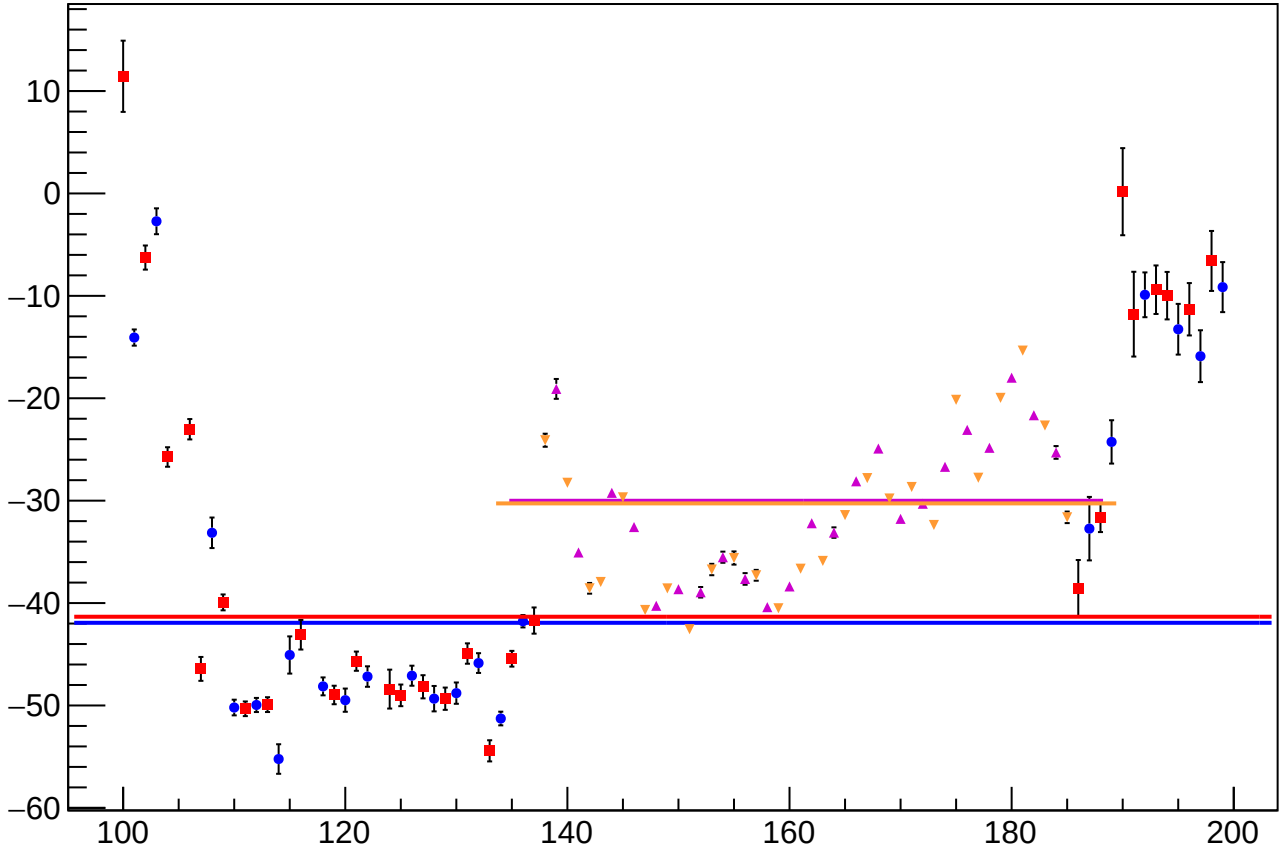
Right: 41.835+/-0.134 χ^2/NDF: 6779.1/48

In: 31.621+/-0.084 χ^2/NDF:24360.8/44

Out: 31.914+/-0.081 χ^2/NDF:28302.8/51

All: 31.773+/-0.058 χ^2/NDF: 52669.9/96

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -41.927+/-0.223 χ^2/NDF: 3733.0/21

Left Out: -30.268+/-0.079 χ^2/NDF:8500.0/24

Right Out: -41.335+/-0.221 χ^2/NDF: 3334.7/26

Left In: -30.012+/-0.081 χ^2/NDF:6083.1/22

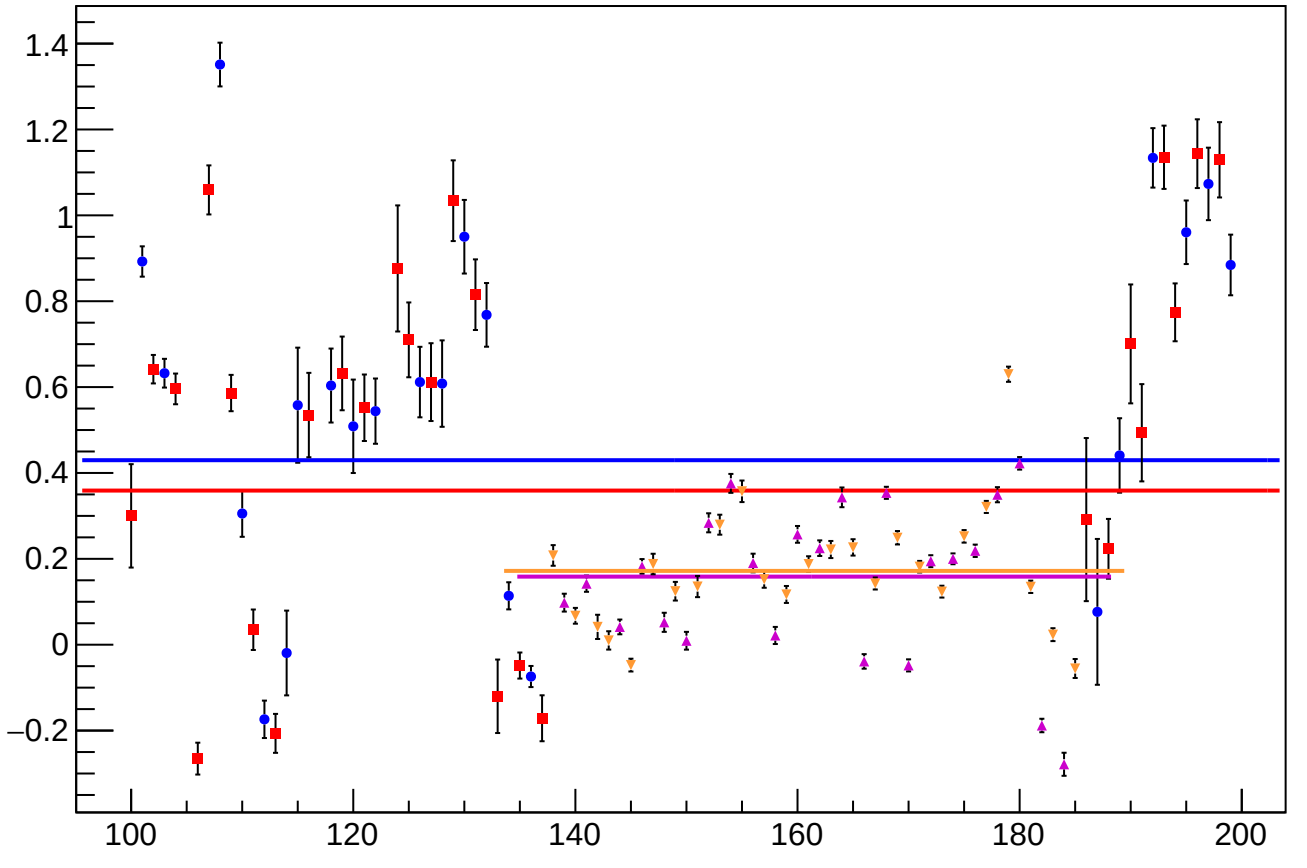
Left: -30.143+/-0.057 χ^2/NDF: 14588.2/47

Right: -41.628+/-0.157 χ^2/NDF: 7071.3/48

In: -31.406+/-0.076 χ^2/NDF:12328.1/44

Out: -31.526+/-0.075 χ^2/NDF:14051.6/51

All: -31.467+/-0.053 χ^2/NDF: 26381.0/96



Right In: 0.430+/-0.011 χ^2/NDF: 1605.2/21

Left Out: 0.172+/-0.004 χ^2/NDF:1501.3/24

Right Out: 0.359+/-0.011 χ^2/NDF: 1563.2/26

Left In: 0.159+/-0.004 χ^2/NDF:2187.4/22

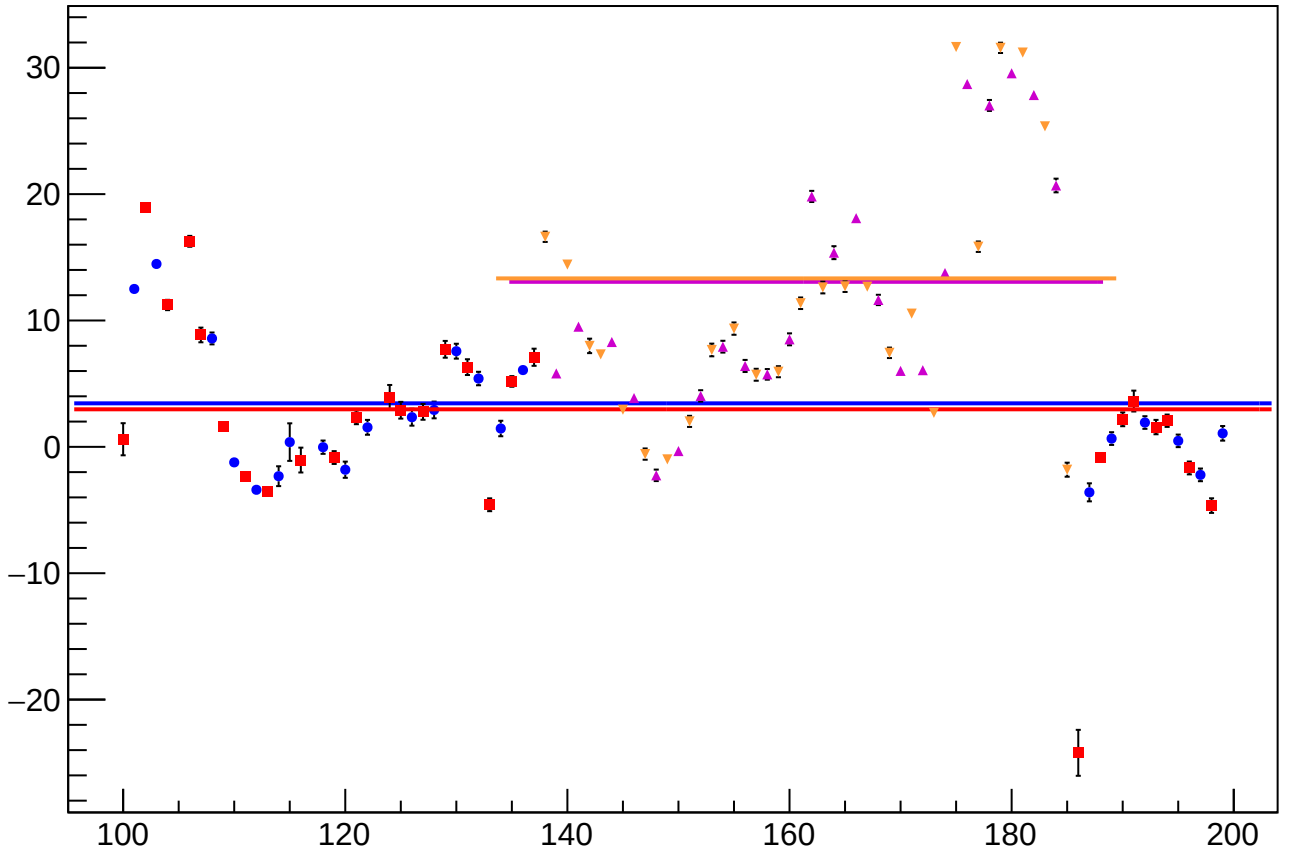
Left: 0.165+/-0.003 χ^2/NDF: 3695.7/47

Right: 0.394+/-0.008 χ^2/NDF: 3187.8/48

In: 0.183+/-0.003 χ^2/NDF:4301.6/44

Out: 0.189+/-0.003 χ^2/NDF:3315.3/51

All: 0.186+/-0.002 χ^2/NDF: 7618.2/96



Right In: 3.443+/-0.103 χ^2/NDF: 3010.8/21

Left Out: 13.331+/-0.077 χ^2/NDF:19432.7/24

Right Out: 2.971+/-0.092 χ^2/NDF: 5076.3/26

Left In: 13.061+/-0.079 χ^2/NDF:15559.8/22

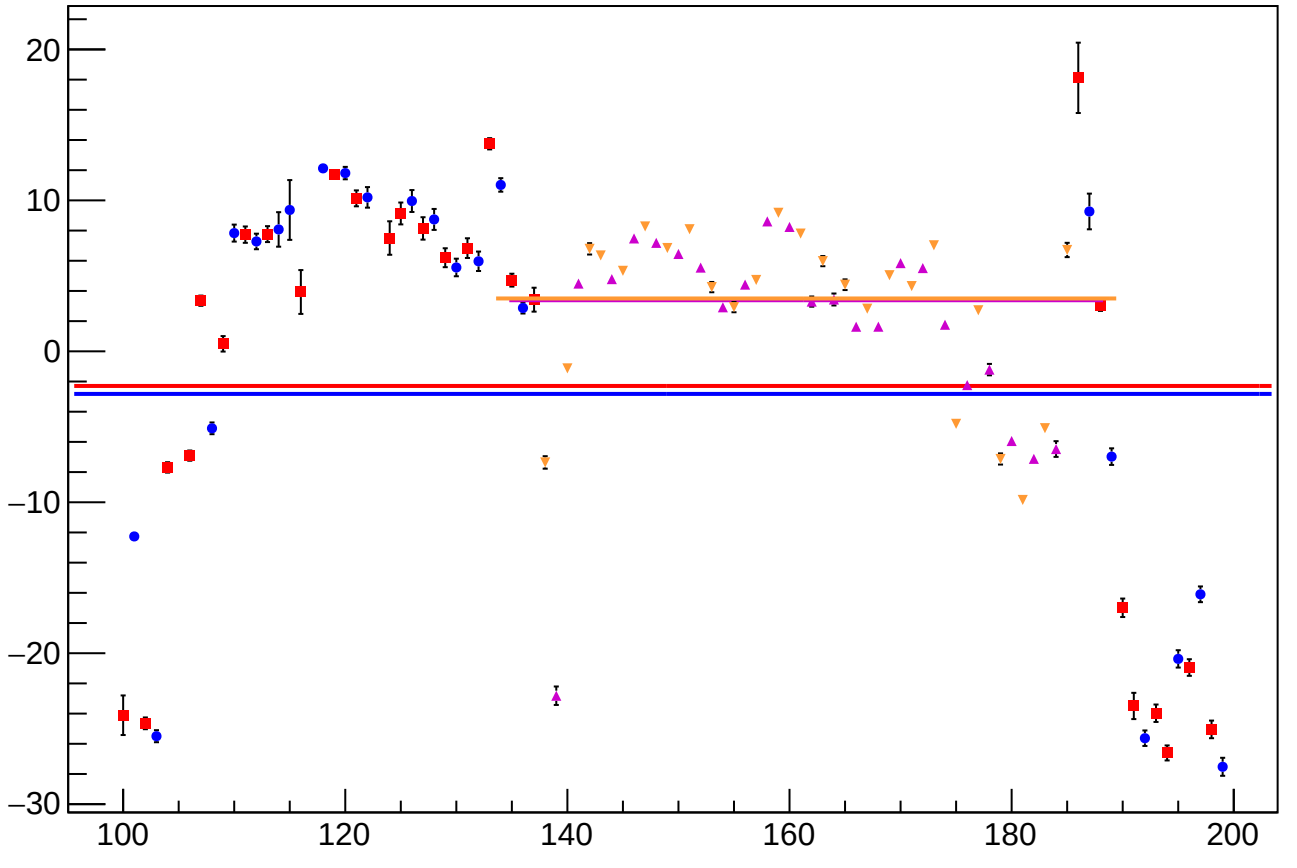
Left: 13.200+/-0.055 χ^2/NDF: 34998.5/47

Right: 3.180+/-0.069 χ^2/NDF: 8098.8/48

In: 9.487+/-0.063 χ^2/NDF:24034.4/44

Out: 9.076+/-0.059 χ^2/NDF:31987.1/51

All: 9.268+/-0.043 χ^2/NDF: 56044.2/96



Right In: -2.822+/-0.104 χ^2/NDF: 16817.7/21

Left Out: 3.502+/-0.059 χ^2/NDF:7911.7/24

Right Out: -2.294+/-0.097 χ^2/NDF: 18417.4/26

Left In: 3.385+/-0.061 χ^2/NDF:6707.6/22

Left: 3.446+/-0.042 χ^2/NDF: 14621.2/47

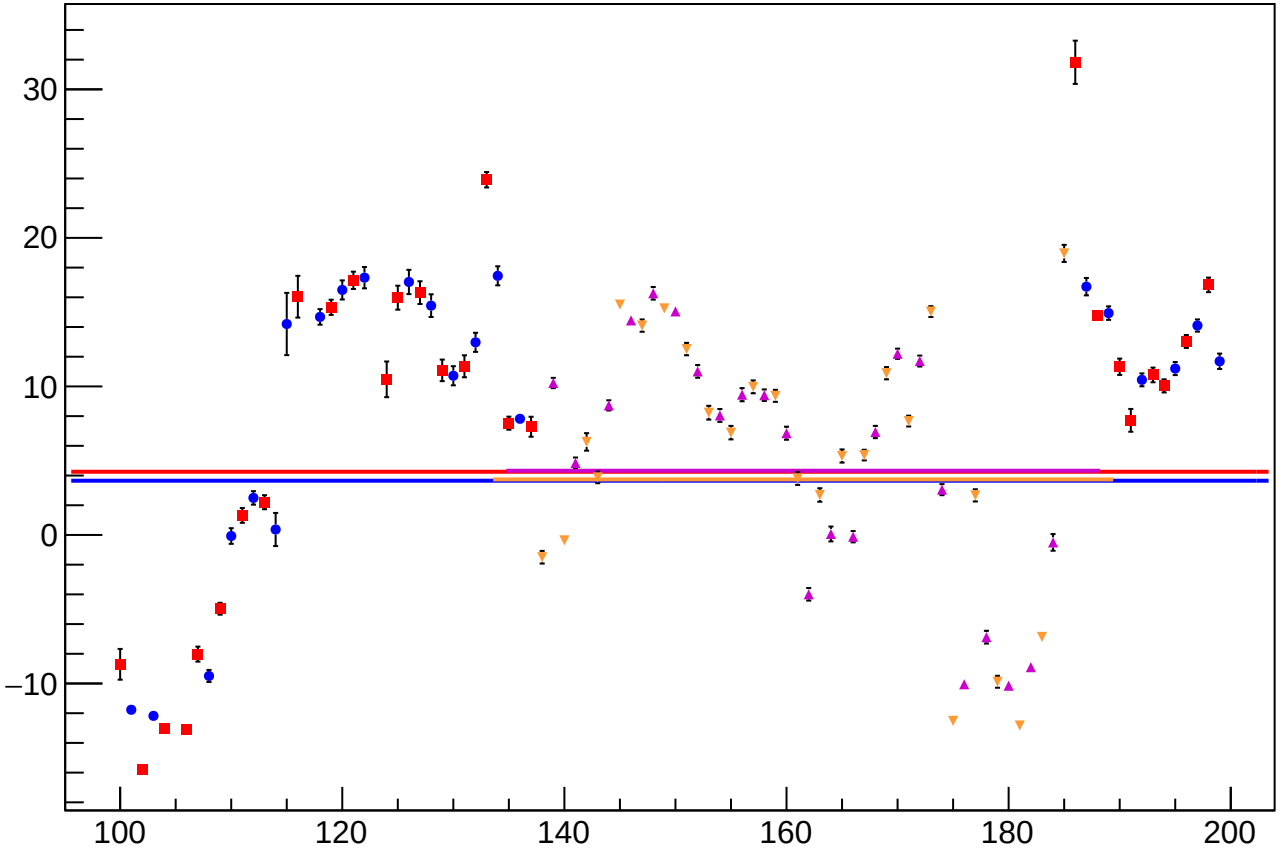
Right: -2.539+/-0.071 χ^2/NDF: 35248.7/48

In: 1.805+/-0.053 χ^2/NDF:26160.0/44

Out: 1.962+/-0.050 χ^2/NDF:28932.0/51

All: 1.888+/-0.036 χ^2/NDF: 55096.7/96

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 3.652+/-0.101 χ^2/NDF: 12764.1/21

Left Out: 3.738+/-0.076 χ^2/NDF:15586.7/24

Right Out: 4.255+/-0.090 χ^2/NDF: 19109.1/26

Left In: 4.322+/-0.079 χ^2/NDF:12483.3/22

Left: 4.022+/-0.055 χ^2/NDF: 28098.5/47

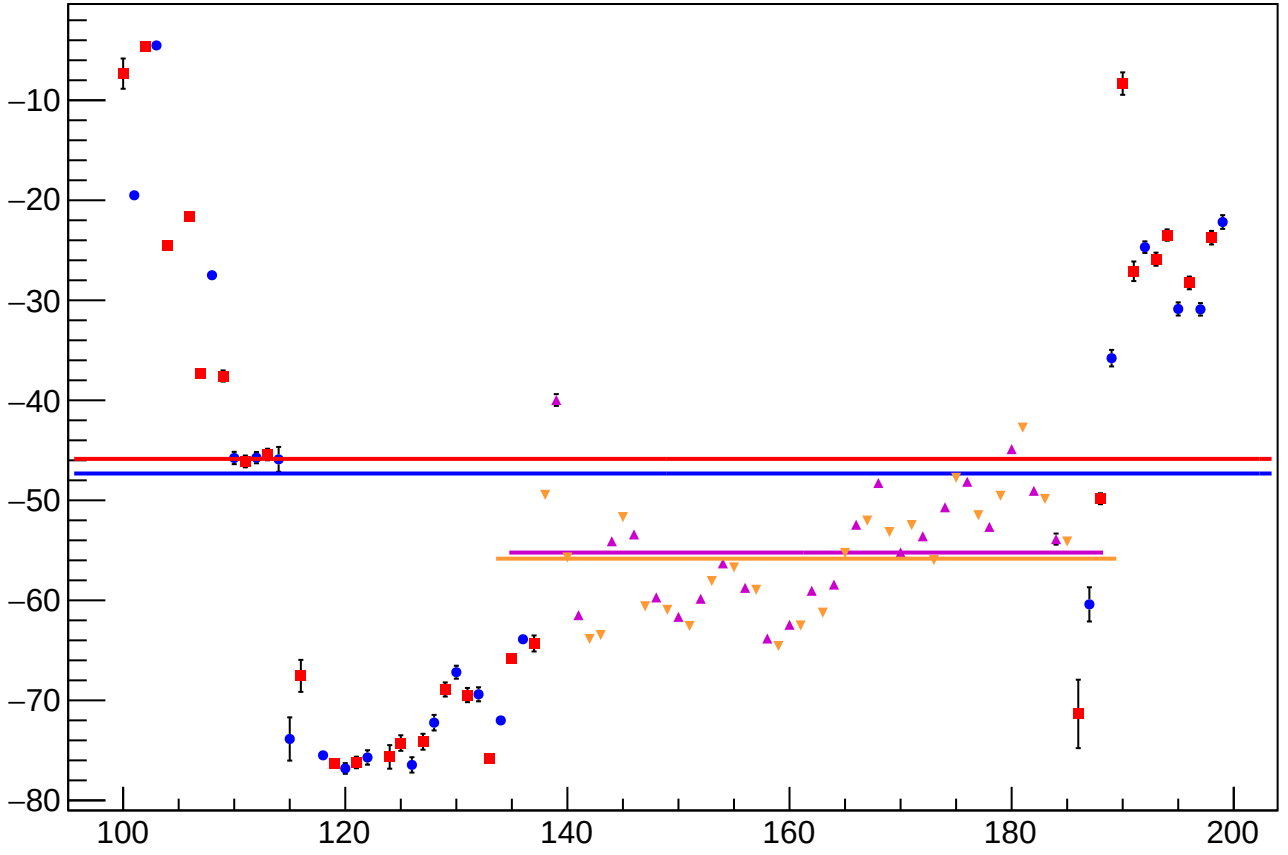
Right: 3.987+/-0.067 χ^2/NDF: 31893.0/48

In: 4.069+/-0.062 χ^2/NDF:25274.9/44

Out: 3.953+/-0.058 χ^2/NDF:34714.9/51

All: 4.008+/-0.043 χ^2/NDF: 59991.7/96

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -47.318+/-0.123 χ^2/NDF: 39035.2/21

Left Out: -55.832+/-0.066 χ^2/NDF:7592.5/24

Right Out: -45.856+/-0.116 χ^2/NDF: 40799.4/26

Left In: -55.222+/-0.069 χ^2/NDF:6343.0/22

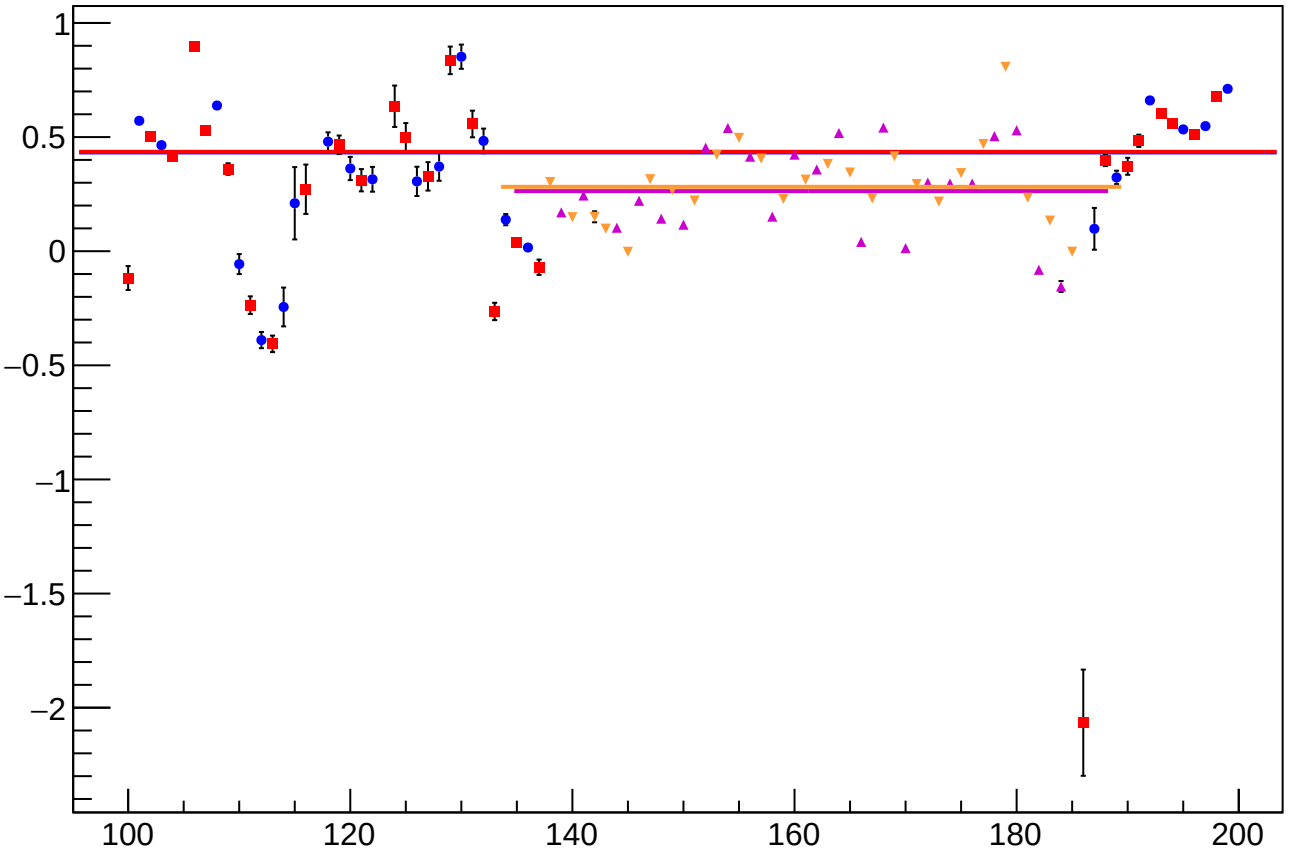
Left: -55.538+/-0.048 χ^2/NDF: 13976.2/47

Right: -46.546+/-0.085 χ^2/NDF: 79909.1/48

In: -53.344+/-0.060 χ^2/NDF:48523.2/44

Out: -53.384+/-0.058 χ^2/NDF:53941.4/51

All: -53.365+/-0.042 χ^2/NDF: 102464.9/96



Right In: 0.433+/-0.005 χ^2/NDF: 2425.8/21

Left Out: 0.282+/-0.003 χ^2/NDF:2712.4/24

Right Out: 0.435+/-0.005 χ^2/NDF: 3284.2/26

Left In: 0.263+/-0.003 χ^2/NDF:3835.8/22

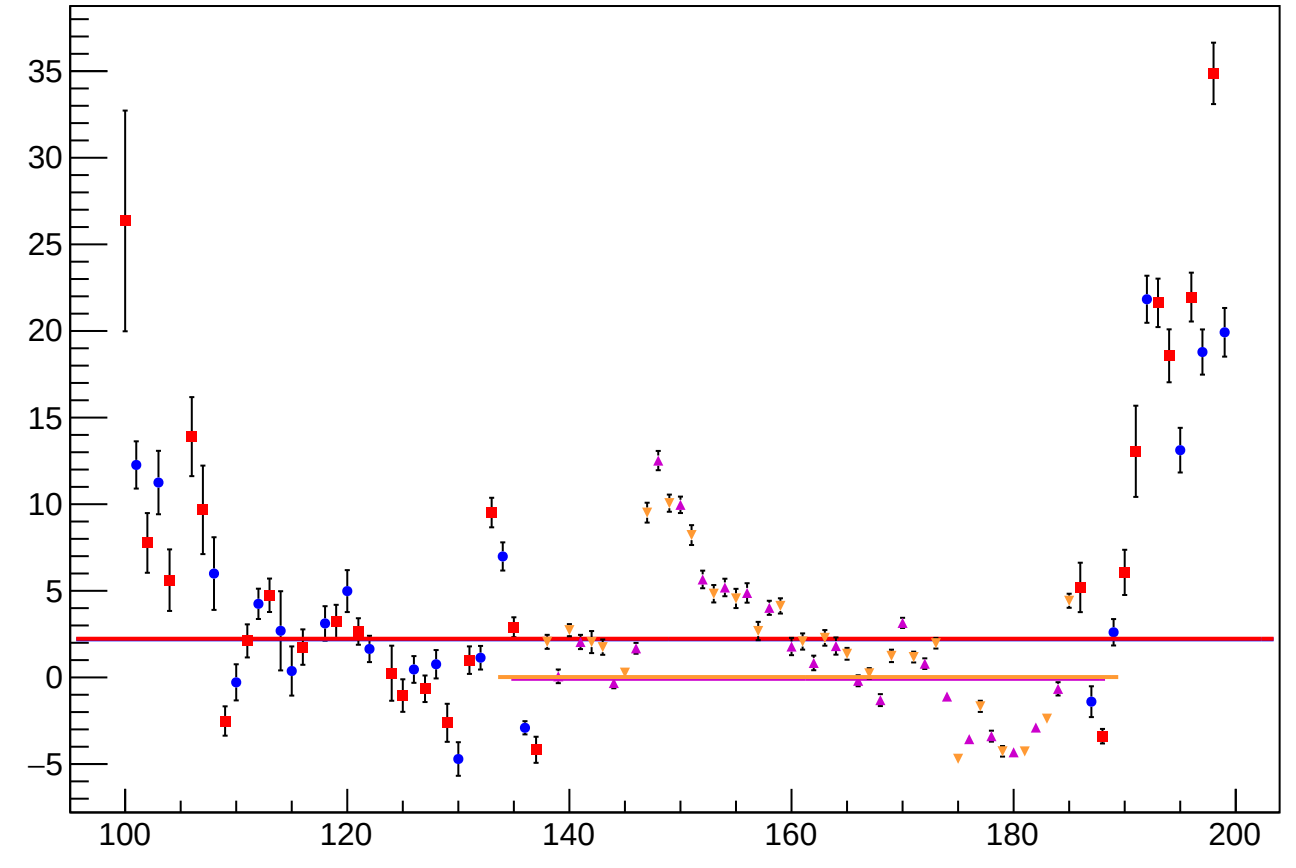
Left: 0.273+/-0.002 χ^2/NDF: 6568.0/47

Right: 0.434+/-0.004 χ^2/NDF: 5710.1/48

In: 0.306+/-0.003 χ^2/NDF:7048.3/44

Out: 0.323+/-0.003 χ^2/NDF:6710.6/51

All: 0.315+/-0.002 χ^2/NDF: 13782.0/96



Right In: 2.199+/-0.191 χ^2/NDF: 994.6/21

Left Out: 0.022+/-0.069 χ^2/NDF:2759.3/24

Right Out: 2.234+/-0.186 χ^2/NDF: 1349.7/26

Left In: -0.080+/-0.071 χ^2/NDF:2464.5/22

Left: -0.027+/-0.049 χ^2/NDF: 5224.9/47

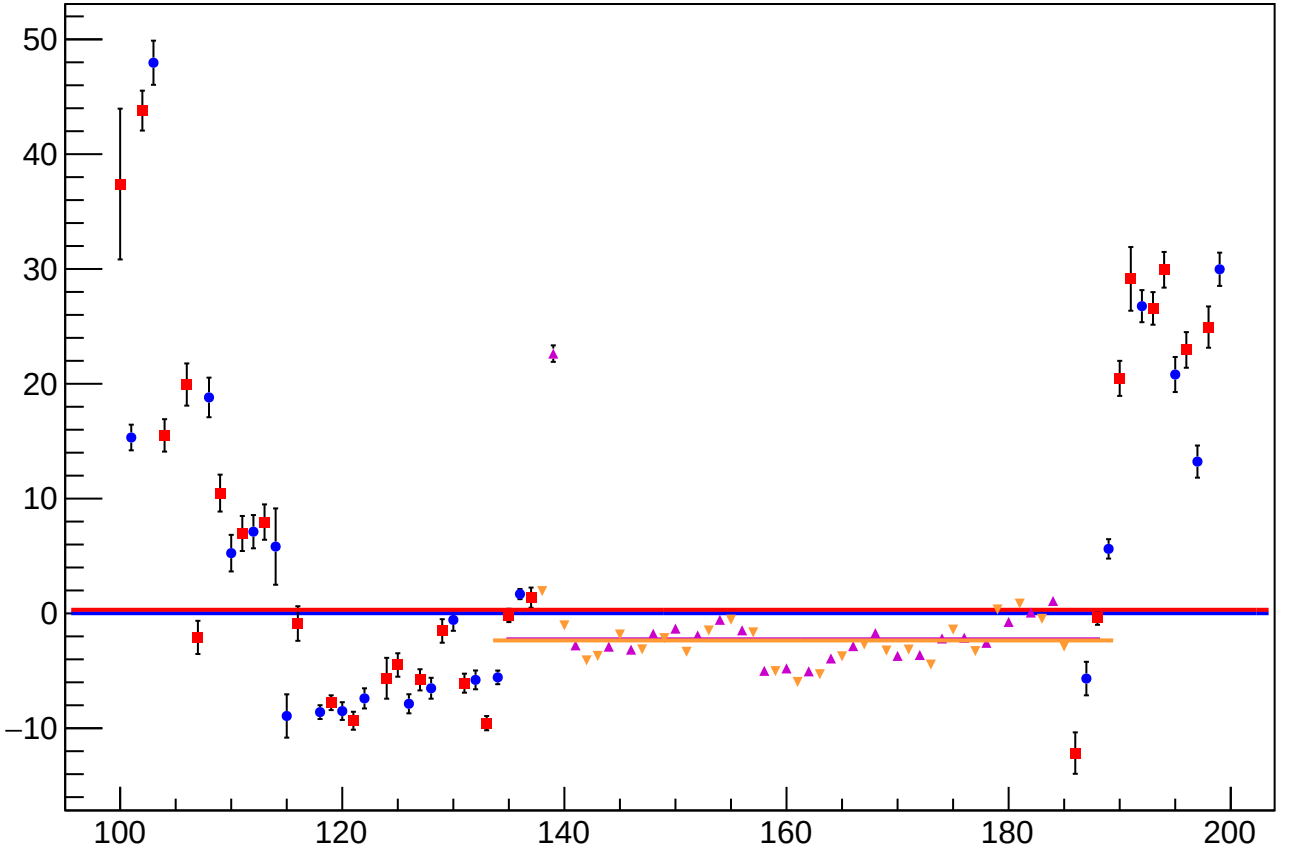
Right: 2.217+/-0.133 χ^2/NDF: 2344.3/48

In: 0.195+/-0.066 χ^2/NDF:3584.2/44

Out: 0.285+/-0.064 χ^2/NDF:4233.1/51

All: 0.241+/-0.046 χ^2/NDF: 7818.3/96

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.018+/-0.199 χ^2/NDF: 2811.0/21

Left Out: -2.352+/-0.055 χ^2/NDF:1125.6/24

Right Out: 0.317+/-0.202 χ^2/NDF: 3116.5/26

Left In: -2.257+/-0.056 χ^2/NDF:1877.2/22

Left: -2.306+/-0.039 χ^2/NDF: 3004.4/47

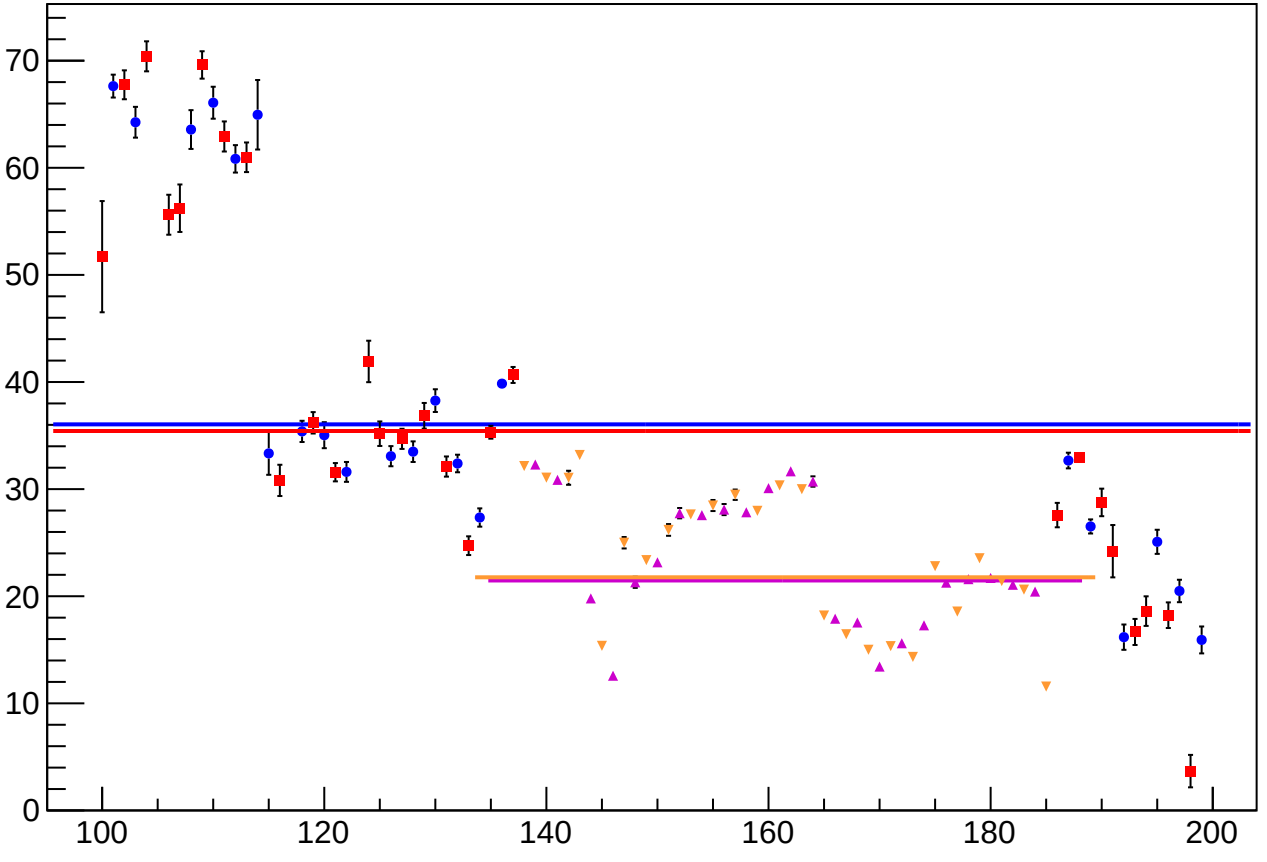
Right: 0.164+/-0.142 χ^2/NDF: 5928.7/48

In: -2.087+/-0.054 χ^2/NDF:4809.7/44

Out: -2.168+/-0.053 χ^2/NDF:4404.0/51

All: -2.128+/-0.038 χ^2/NDF: 9214.8/96

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 36.047+/-0.197 χ^2/NDF: 3704.1/21

Left Out: 21.768+/-0.069 χ^2/NDF:6814.2/24

Right Out: 35.427+/-0.187 χ^2/NDF: 4287.0/26

Left In: 21.472+/-0.071 χ^2/NDF:5787.4/22

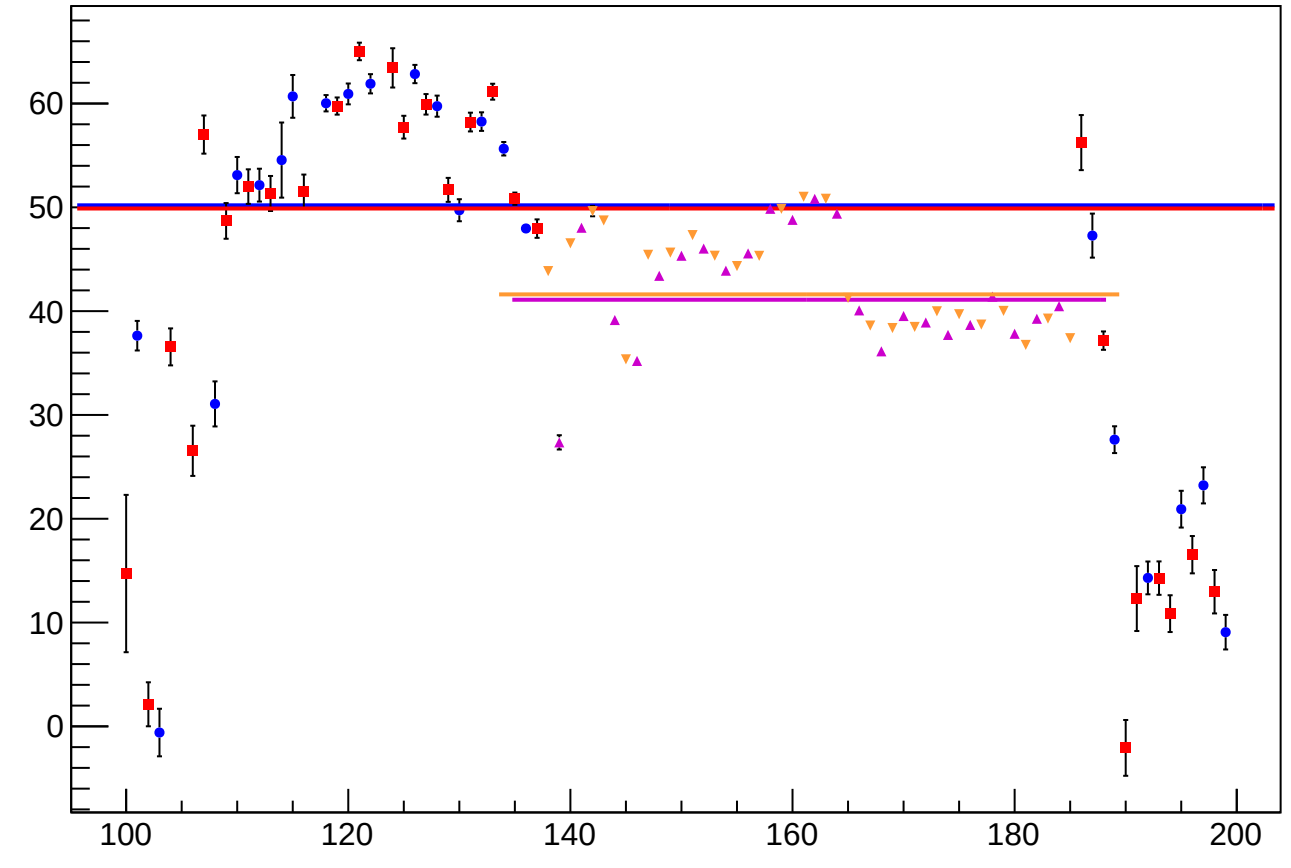
Left: 21.623+/-0.049 χ^2/NDF: 12610.6/47

Right: 35.722+/-0.136 χ^2/NDF: 7996.4/48

In: 23.139+/-0.066 χ^2/NDF:14363.8/44

Out: 23.397+/-0.065 χ^2/NDF:15792.8/51

All: 23.271+/-0.046 χ^2/NDF: 30164.3/96



Right In: 50.194+/-0.225 χ^2/NDF: 3526.9/21

Left Out: 41.613+/-0.061 χ^2/NDF:5776.0/24

Right Out: 49.887+/-0.235 χ^2/NDF: 4036.8/26

Left In: 41.098+/-0.063 χ^2/NDF:5478.0/22

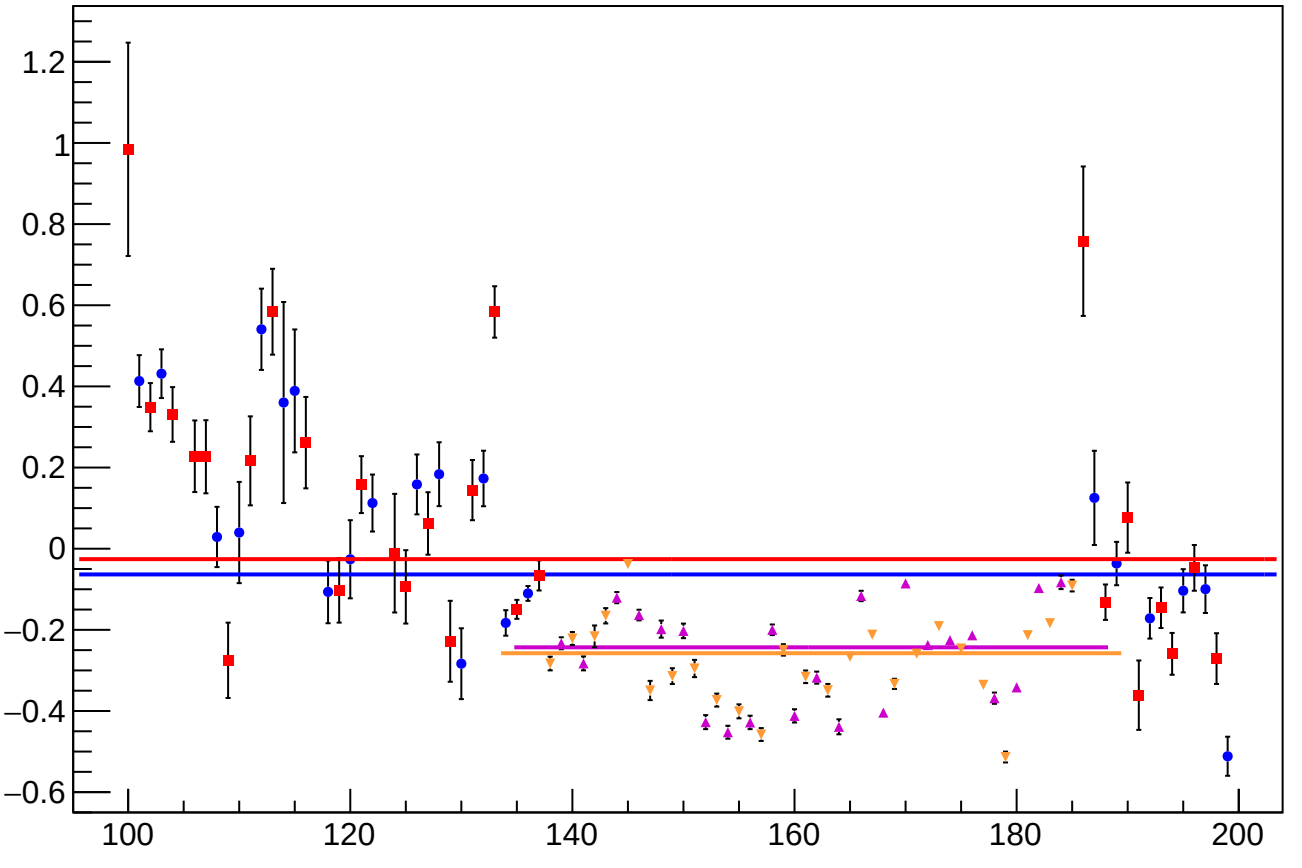
Left: 41.361+/-0.044 χ^2/NDF: 11288.6/47

Right: 50.047+/-0.162 χ^2/NDF: 7564.6/48

In: 41.752+/-0.060 χ^2/NDF:10520.5/44

Out: 42.140+/-0.059 χ^2/NDF:10975.8/51

All: 41.950+/-0.042 χ^2/NDF: 21517.4/96



Right In: -0.063+/-0.011 χ^2/NDF: 334.1/21

Left Out: -0.258+/-0.003 χ^2/NDF:1515.1/24

Right Out: -0.026+/-0.012 χ^2/NDF: 373.8/26

Left In: -0.243+/-0.003 χ^2/NDF:1811.8/22

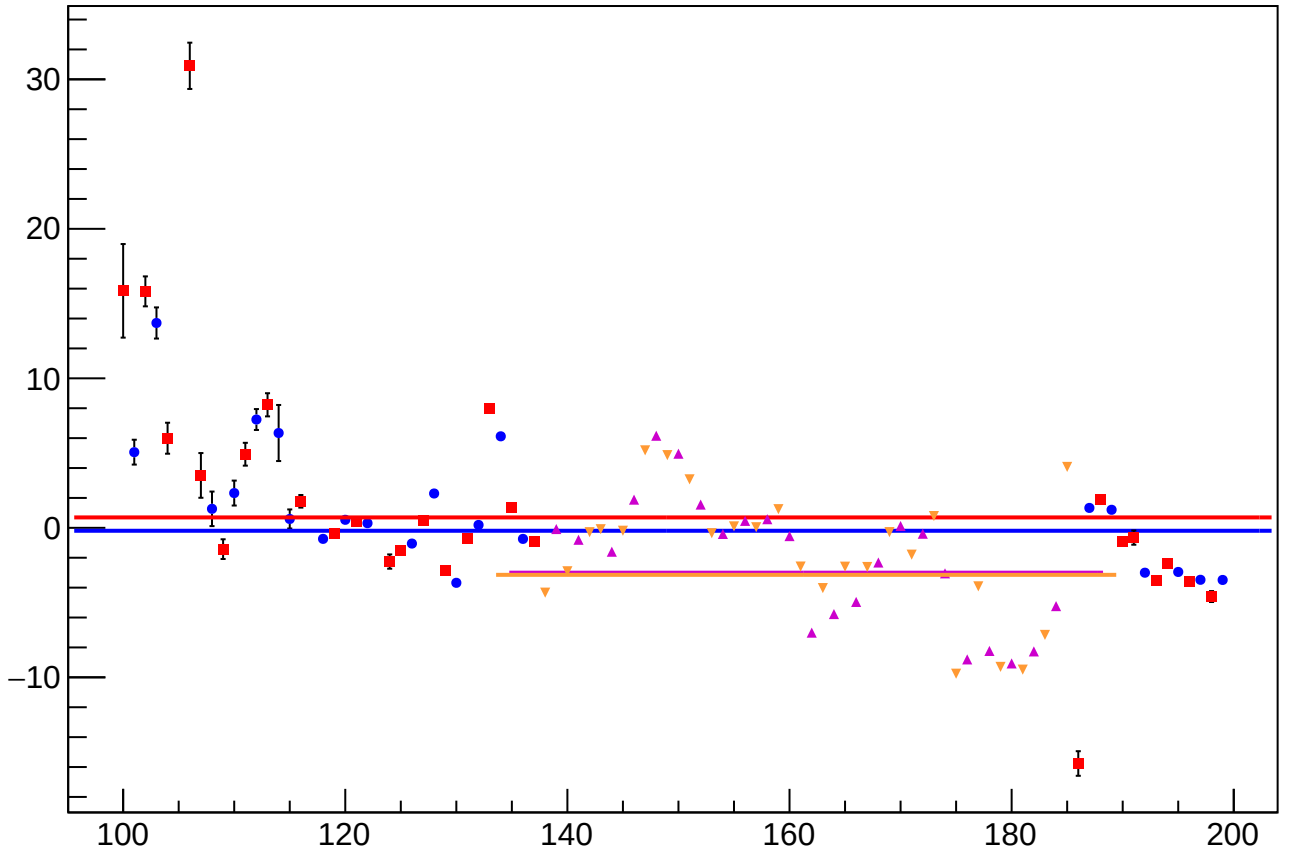
Left: -0.250+/-0.002 χ^2/NDF: 3340.9/47

Right: -0.046+/-0.008 χ^2/NDF: 713.2/48

In: -0.233+/-0.003 χ^2/NDF:2389.0/44

Out: -0.246+/-0.003 χ^2/NDF:2251.4/51

All: -0.239+/-0.002 χ^2/NDF: 4653.0/96



Right In: -0.196+/-0.064 χ^2/NDF: 1635.4/21

Left Out: -3.144+/-0.028 χ^2/NDF:25358.6/24

Right Out: 0.697+/-0.059 χ^2/NDF: 3795.7/26

Left In: -2.999+/-0.028 χ^2/NDF:22425.0/22

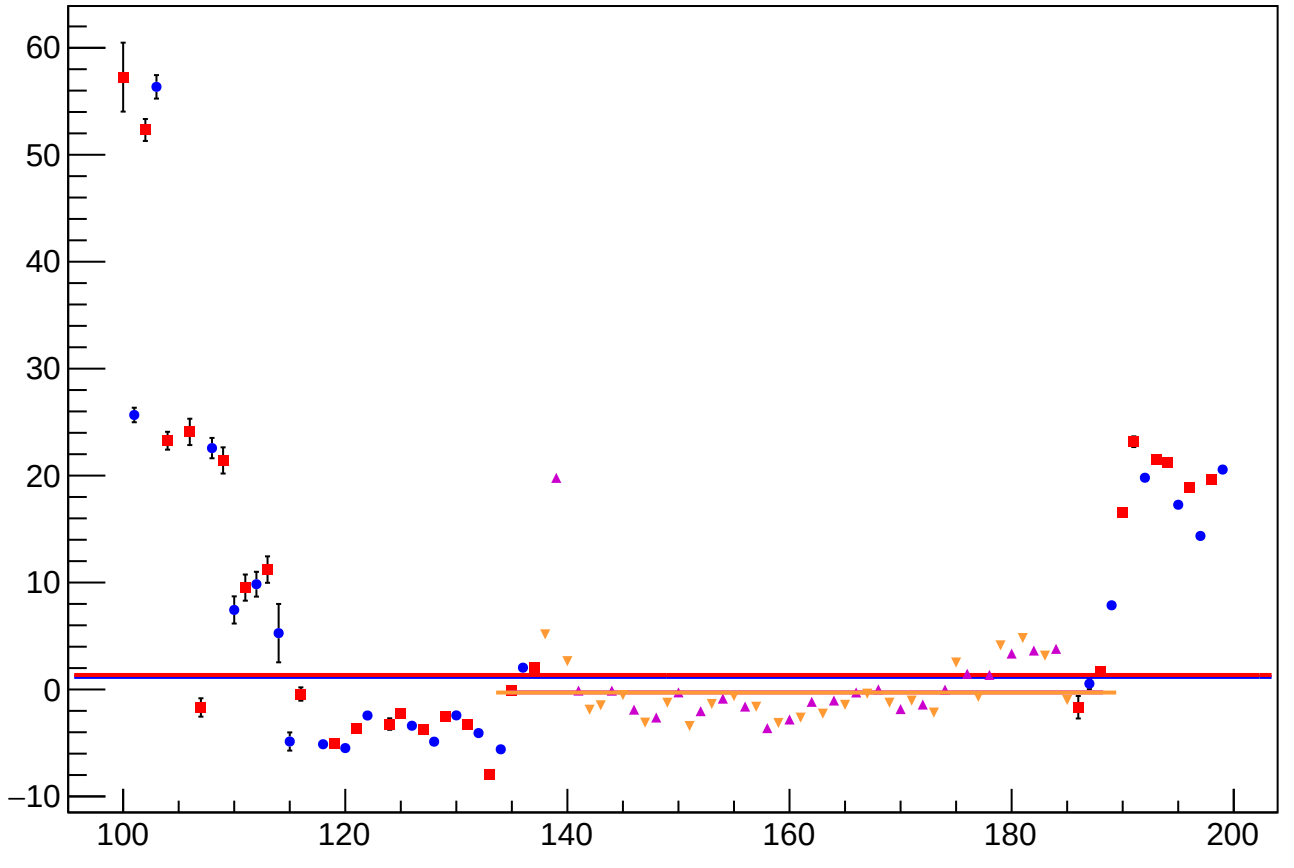
Left: -3.074+/-0.020 χ^2/NDF: 47797.0/47

Right: 0.291+/-0.043 χ^2/NDF: 5536.5/48

In: -2.540+/-0.026 χ^2/NDF:25650.7/44

Out: -2.443+/-0.025 χ^2/NDF:32659.3/51

All: -2.489+/-0.018 χ^2/NDF: 58317.2/96



Right In: 1.178+/-0.062 χ^2/NDF: 22447.4/21

Left Out: -0.288+/-0.022 χ^2/NDF:12198.2/24

Right Out: 1.357+/-0.059 χ^2/NDF: 29938.8/26

Left In: -0.271+/-0.022 χ^2/NDF:13220.8/22

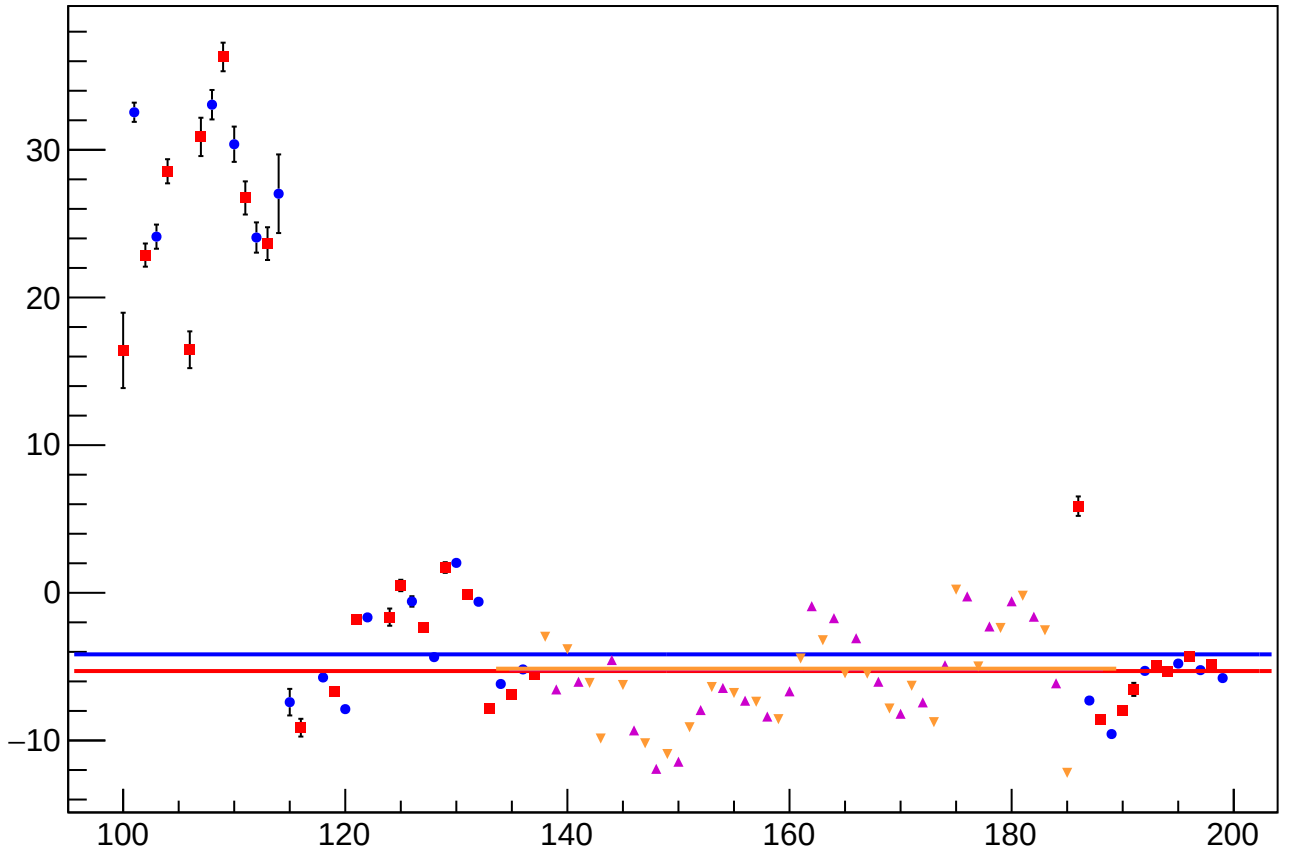
Left: -0.280+/-0.016 χ^2/NDF: 25419.3/47

Right: 1.272+/-0.043 χ^2/NDF: 52390.5/48

In: -0.106+/-0.021 χ^2/NDF:36148.8/44

Out: -0.092+/-0.020 χ^2/NDF:42814.2/51

All: -0.099+/-0.015 χ^2/NDF: 78963.2/96



Right In: -4.168+/-0.064 χ^2/NDF: 9376.3/21

Left Out: -5.138+/-0.028 χ^2/NDF:14626.0/24

Right Out: -5.298+/-0.056 χ^2/NDF: 10479.2/26

Left In: -5.177+/-0.028 χ^2/NDF:13963.7/22

Left: -5.157+/-0.020 χ^2/NDF: 28590.7/47

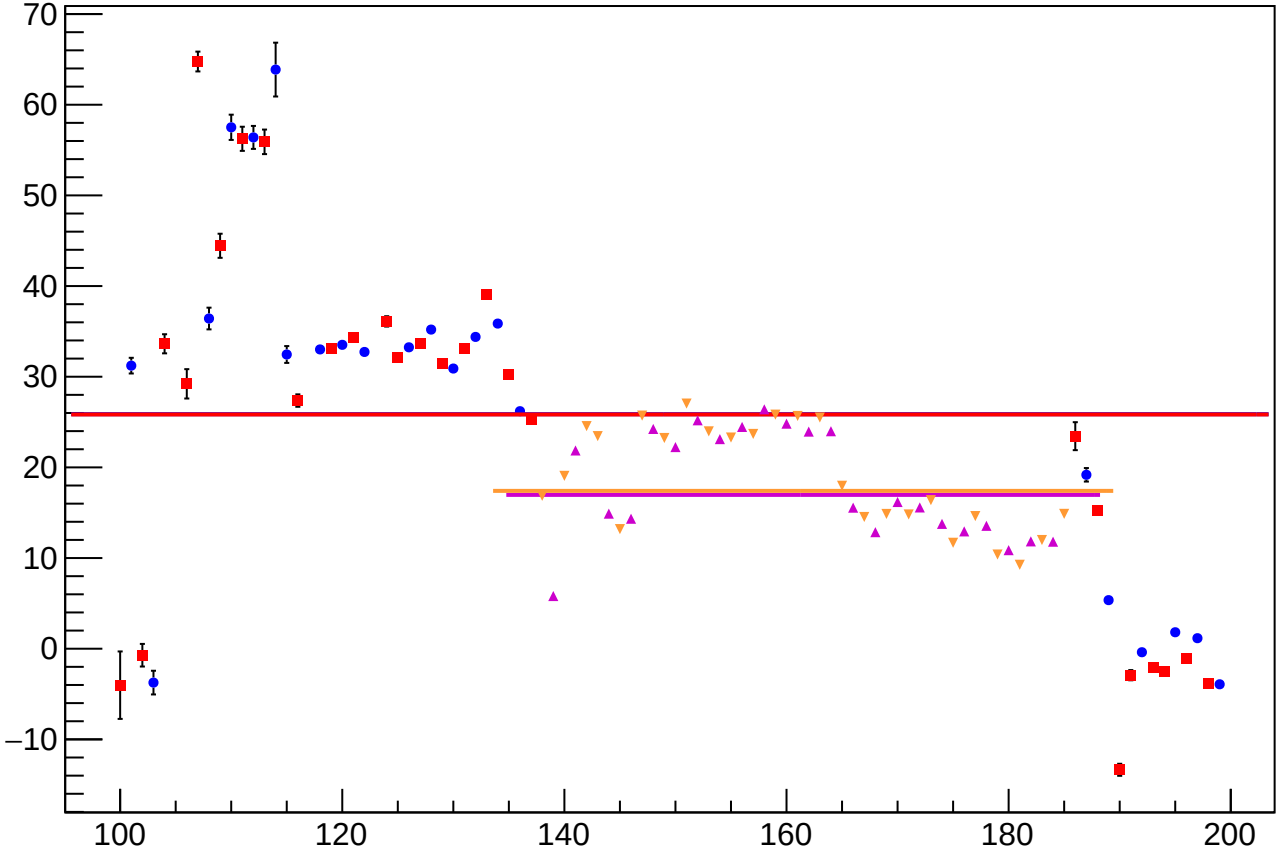
Right: -4.807+/-0.042 χ^2/NDF: 20031.8/48

In: -5.011+/-0.026 χ^2/NDF:23547.8/44

Out: -5.169+/-0.025 χ^2/NDF:25111.8/51

All: -5.094+/-0.018 χ^2/NDF: 48678.9/96

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 25.867+/-0.073 χ^2/NDF: 32553.1/21

Left Out: 17.409+/-0.024 χ^2/NDF:50630.8/24

Right Out: 25.837+/-0.070 χ^2/NDF: 45757.2/26

Left In: 16.967+/-0.025 χ^2/NDF:39939.4/22

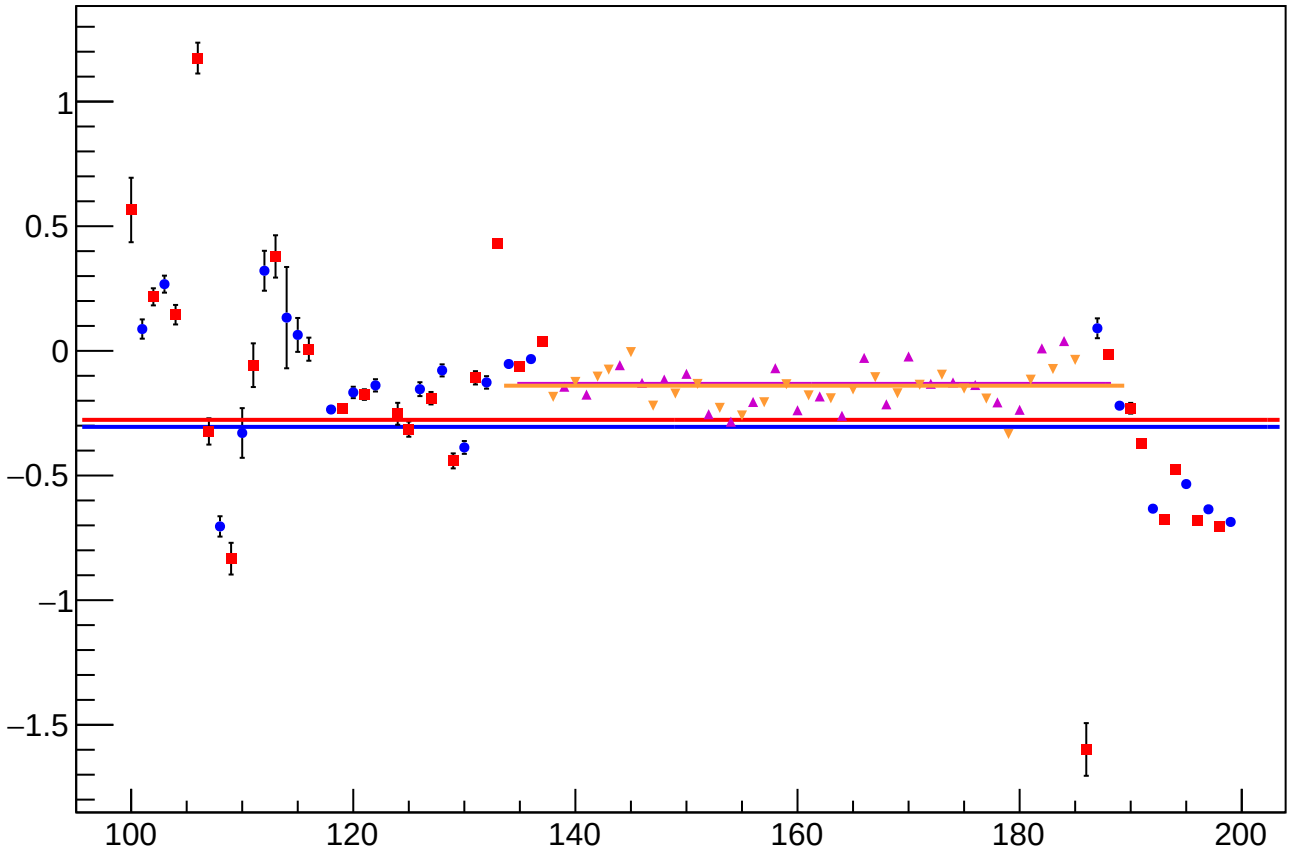
Left: 17.193+/-0.017 χ^2/NDF: 90729.6/47

Right: 25.852+/-0.051 χ^2/NDF: 78310.4/48

In: 17.912+/-0.024 χ^2/NDF:85932.8/44

Out: 18.317+/-0.023 χ^2/NDF:109187.9/51

All: 18.119+/-0.017 χ^2/NDF: 195270.9/96



Right In: -0.305+/-0.004 χ^2/NDF: 6263.2/21

Left Out: -0.140+/-0.001 χ^2/NDF:4108.2/24

Right Out: -0.277+/-0.003 χ^2/NDF: 9507.3/26

Left In: -0.133+/-0.001 χ^2/NDF:5529.7/22

Left: -0.136+/-0.001 χ^2/NDF: 9659.1/47

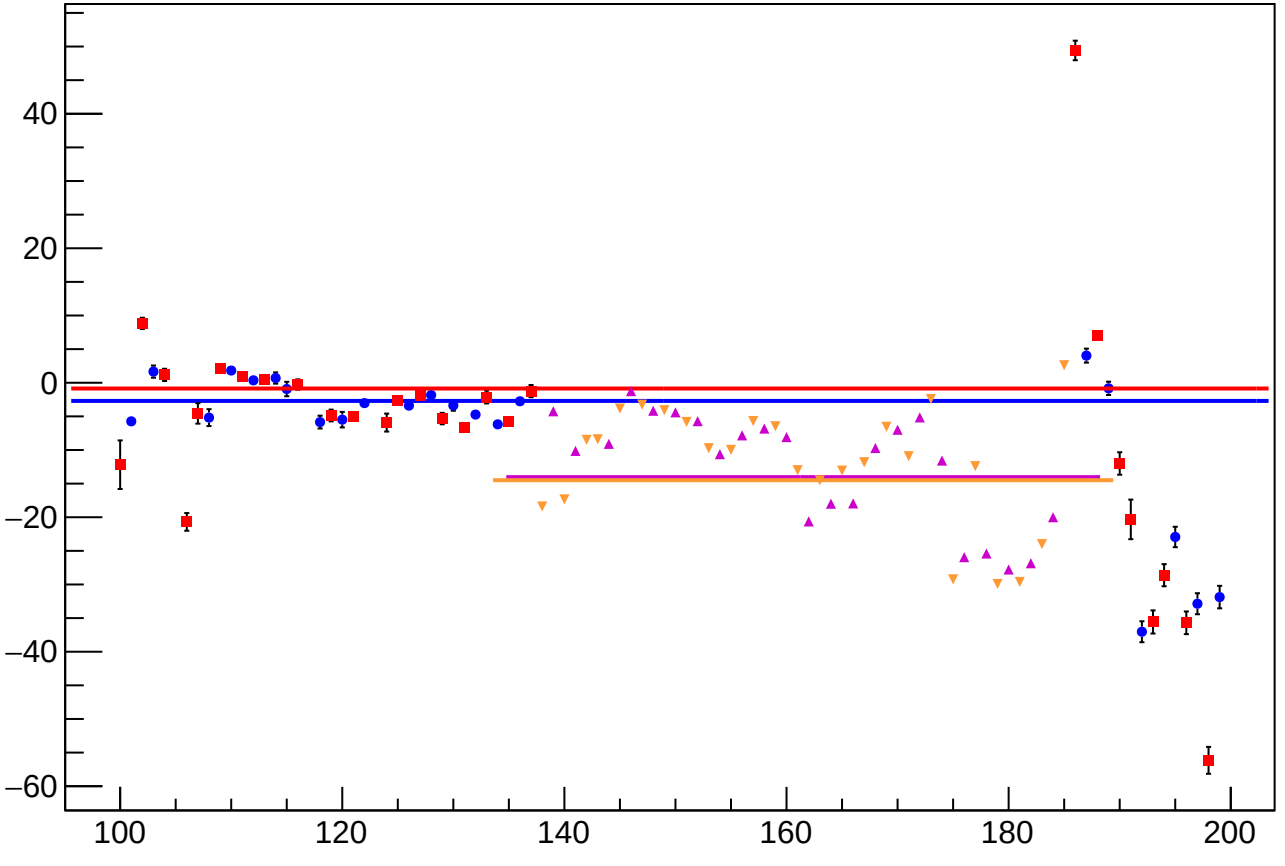
Right: -0.290+/-0.002 χ^2/NDF: 15803.3/48

In: -0.148+/-0.001 χ^2/NDF:13966.6/44

Out: -0.152+/-0.001 χ^2/NDF:15055.0/51

All: -0.150+/-0.001 χ^2/NDF: 29029.3/96

reg_asym_sam_1357_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -2.702+/-0.151 χ^2/NDF: 1716.5/21

Left Out: -14.494+/-0.075 χ^2/NDF:17232.7/24

Right Out: -0.856+/-0.140 χ^2/NDF: 4124.6/26

Left In: -14.038+/-0.077 χ^2/NDF:13482.5/22

Left: -14.272+/-0.054 χ^2/NDF: 30733.3/47

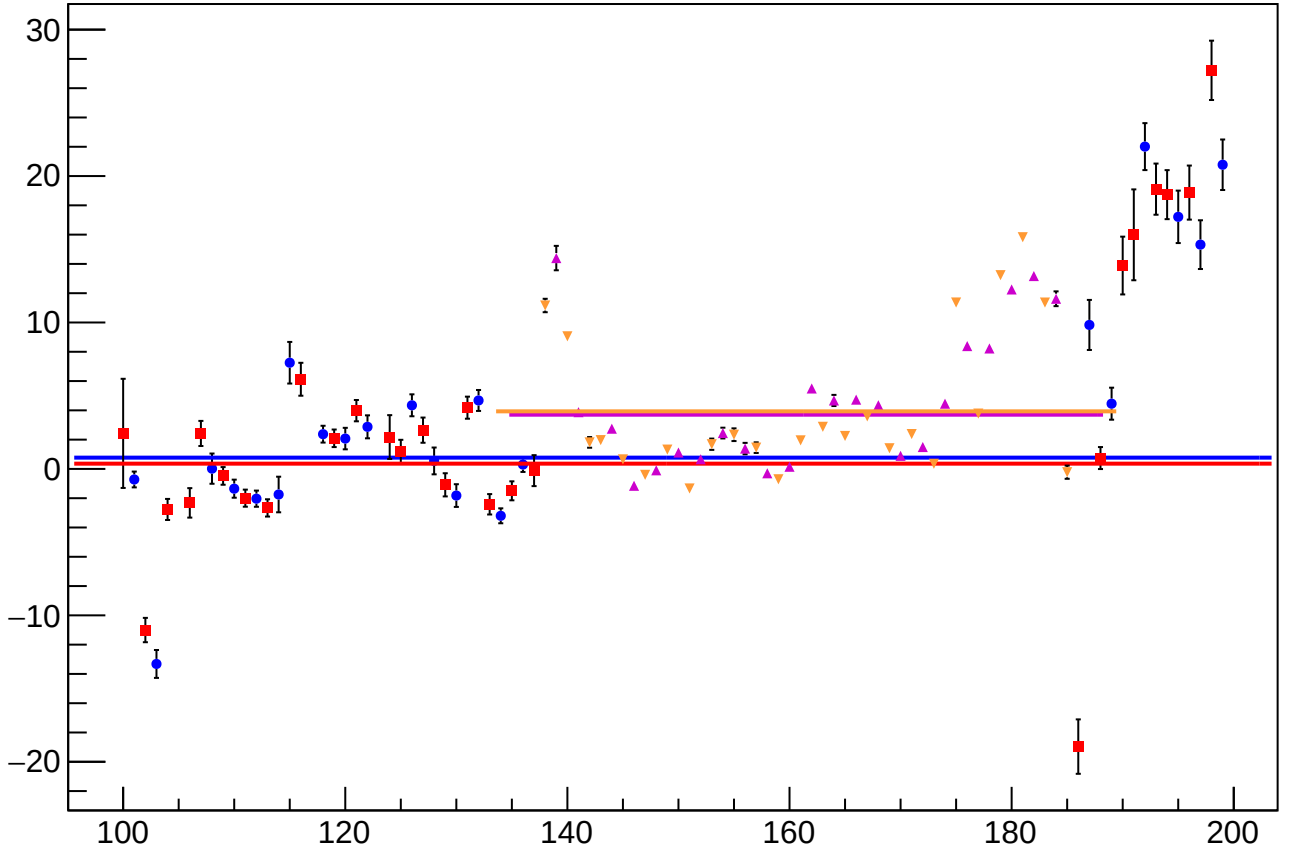
Right: -1.709+/-0.102 χ^2/NDF: 5921.7/48

In: -11.699+/-0.068 χ^2/NDF:19692.7/44

Out: -11.457+/-0.066 χ^2/NDF:28767.9/51

All: -11.573+/-0.047 χ^2/NDF: 48467.1/96

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.770+/-0.167 χ^2/NDF: 943.0/21

Left Out: 3.932+/-0.058 χ^2/NDF:6979.2/24

Right Out: 0.359+/-0.168 χ^2/NDF: 1078.4/26

Left In: 3.703+/-0.059 χ^2/NDF:4788.5/22

Left: 3.820+/-0.041 χ^2/NDF: 11775.3/47

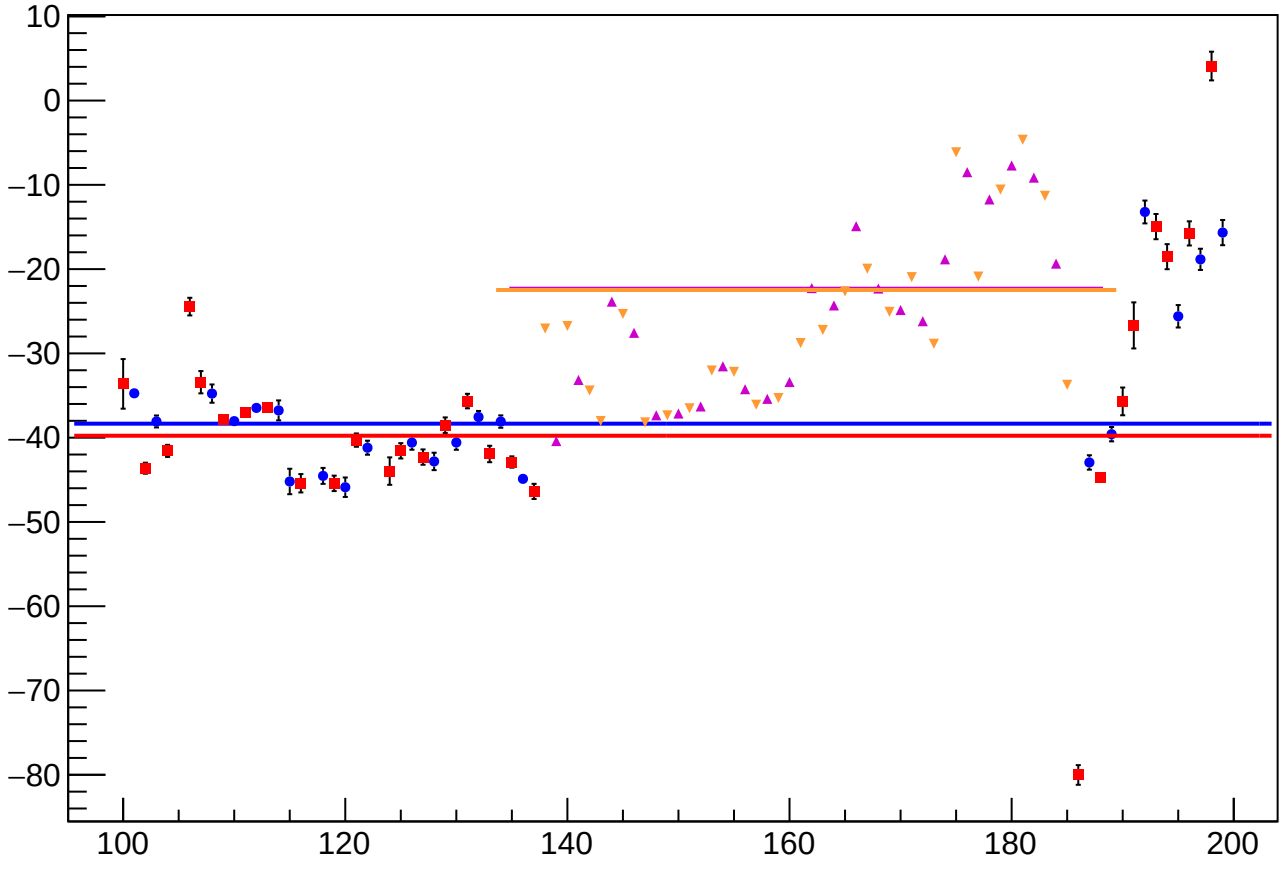
Right: 0.566+/-0.118 χ^2/NDF: 2024.4/48

In: 3.374+/-0.056 χ^2/NDF:6006.3/44

Out: 3.552+/-0.055 χ^2/NDF:8462.3/51

All: 3.465+/-0.039 χ^2/NDF: 14473.8/96

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -38.339+/-0.167 χ^2/NDF: 1384.5/21

Left Out: -22.478+/-0.075 χ^2/NDF:20417.4/24

Right Out: -39.770+/-0.160 χ^2/NDF: 3334.3/26

Left In: -22.322+/-0.077 χ^2/NDF:17133.3/22

Left: -22.402+/-0.054 χ^2/NDF: 37552.8/47

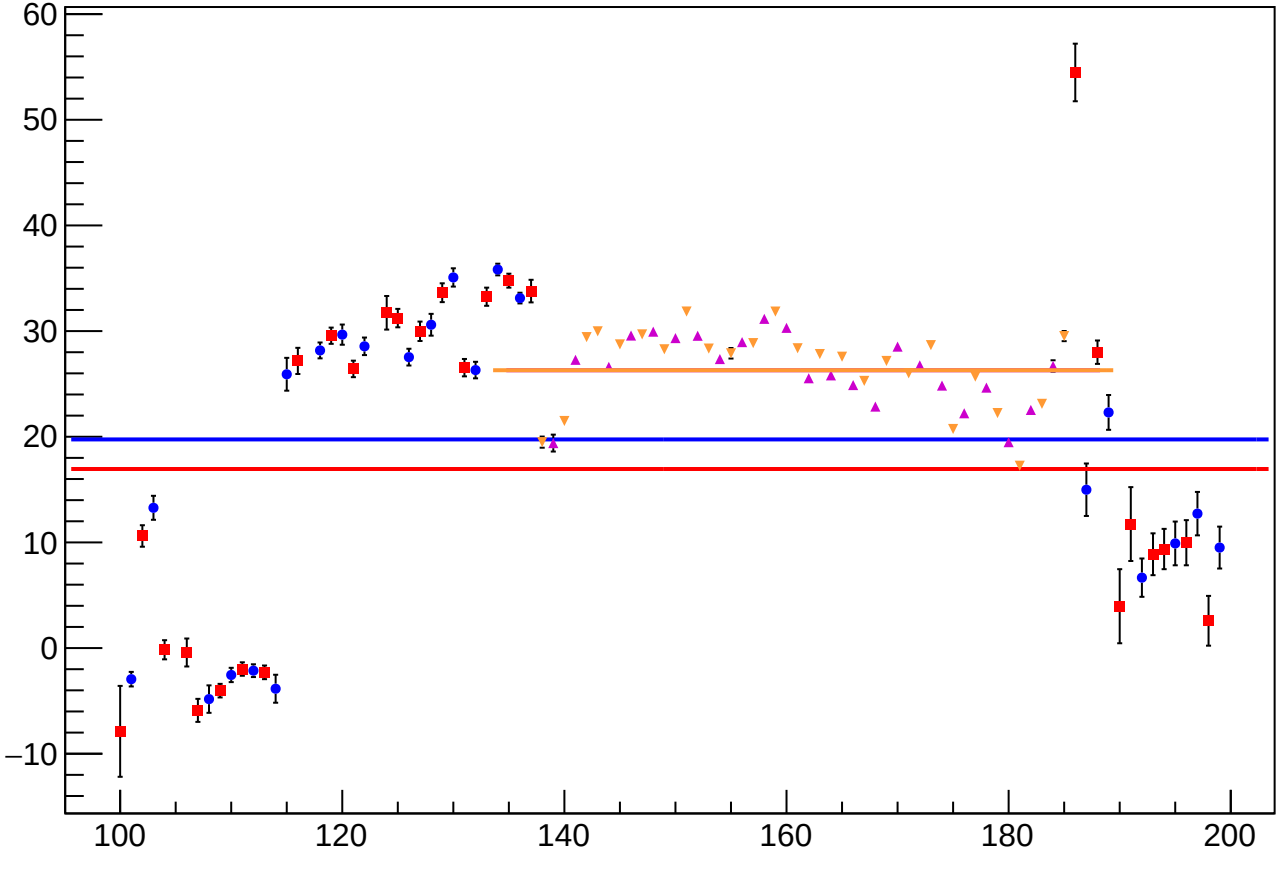
Right: -39.085+/-0.116 χ^2/NDF: 4756.9/48

In: -25.096+/-0.070 χ^2/NDF:26094.3/44

Out: -25.570+/-0.068 χ^2/NDF:33312.9/51

All: -25.339+/-0.049 χ^2/NDF: 59431.1/96

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 19.747+/-0.189 χ^2/NDF: 6807.7/21

Left Out: 26.296+/-0.065 χ^2/NDF:3307.8/24

Right Out: 16.948+/-0.192 χ^2/NDF: 7125.3/26

Left In: 26.292+/-0.067 χ^2/NDF:2185.8/22

Left: 26.294+/-0.047 χ^2/NDF: 5493.5/47

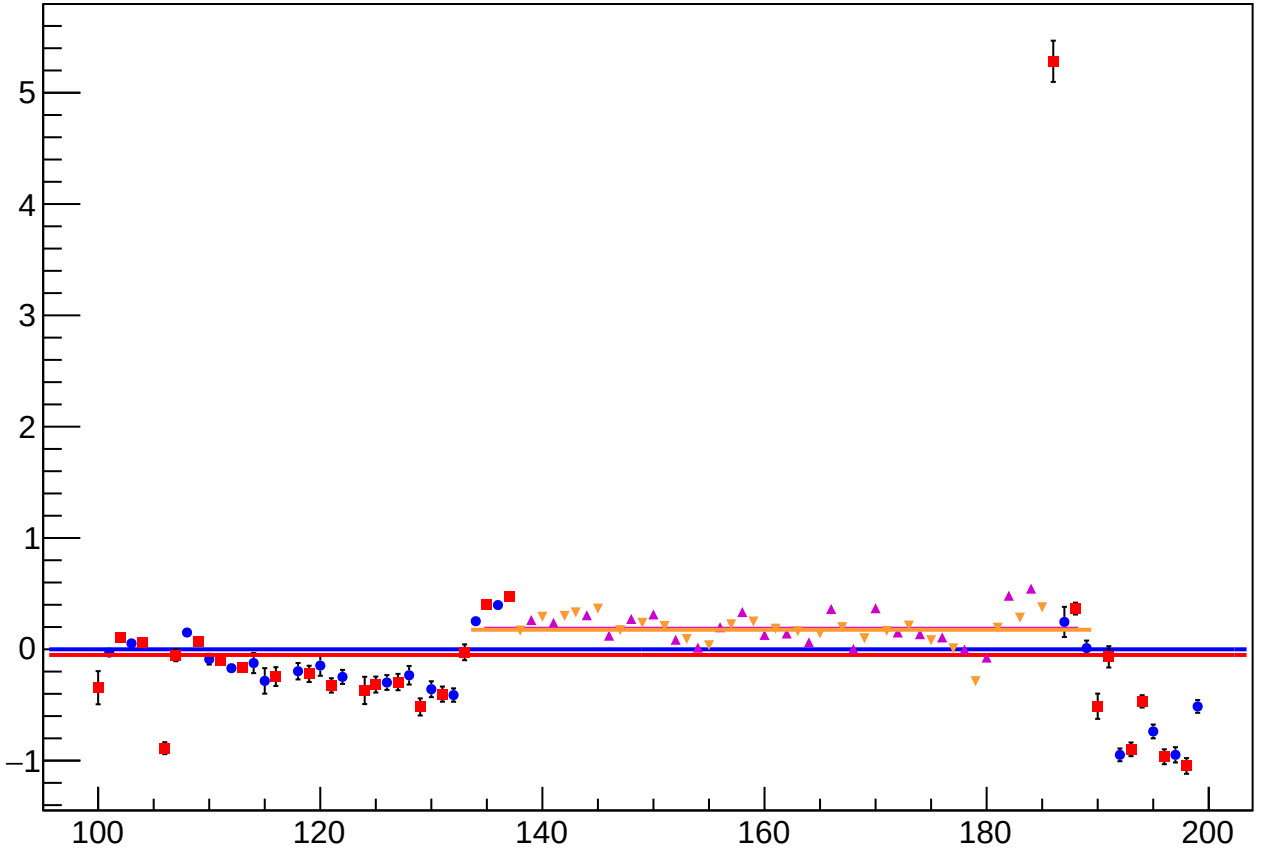
Right: 18.368+/-0.135 χ^2/NDF: 14040.8/48

In: 25.570+/-0.063 χ^2/NDF:10058.2/44

Out: 25.333+/-0.062 χ^2/NDF:12558.5/51

All: 25.449+/-0.044 χ^2/NDF: 22624.0/96

reg_asym_sam_1357_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.000+/-0.010 χ^2/NDF: 1325.4/21

Left Out: 0.176+/-0.003 χ^2/NDF:1935.6/24

Right Out: -0.051+/-0.010 χ^2/NDF: 2403.3/26

Left In: 0.185+/-0.003 χ^2/NDF:2538.5/22

Left: 0.180+/-0.002 χ^2/NDF: 4479.2/47

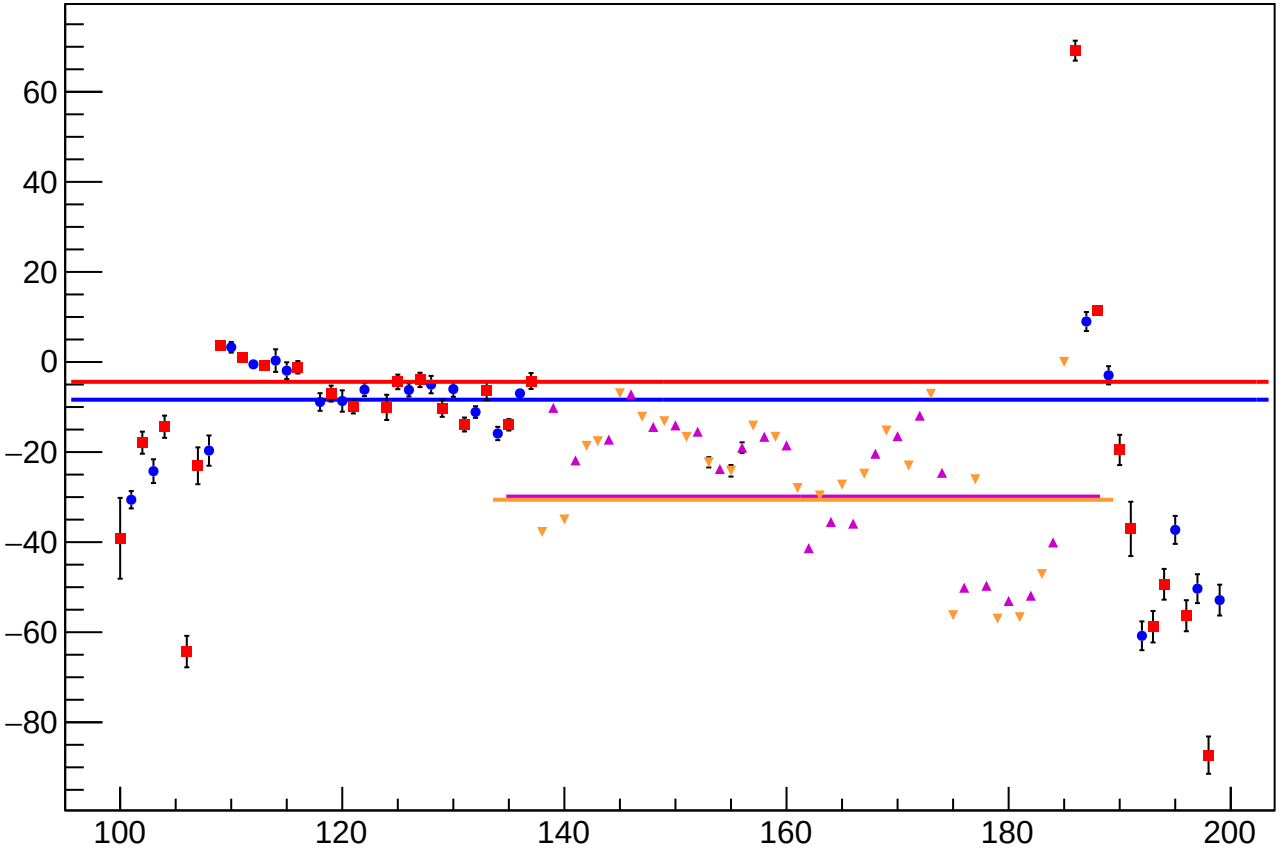
Right: -0.025+/-0.007 χ^2/NDF: 3741.9/48

In: 0.169+/-0.003 χ^2/NDF:4195.3/44

Out: 0.158+/-0.003 χ^2/NDF:4803.8/51

All: 0.164+/-0.002 χ^2/NDF: 9006.7/96

reg_asym_sam_2468_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -8.369+/-0.355 χ^2/NDF: 1177.0/21

Left Out: -30.587+/-0.142 χ^2/NDF:16046.0/24

Right Out: -4.399+/-0.337 χ^2/NDF: 3010.5/26

Left In: -29.878+/-0.146 χ^2/NDF:12034.7/22

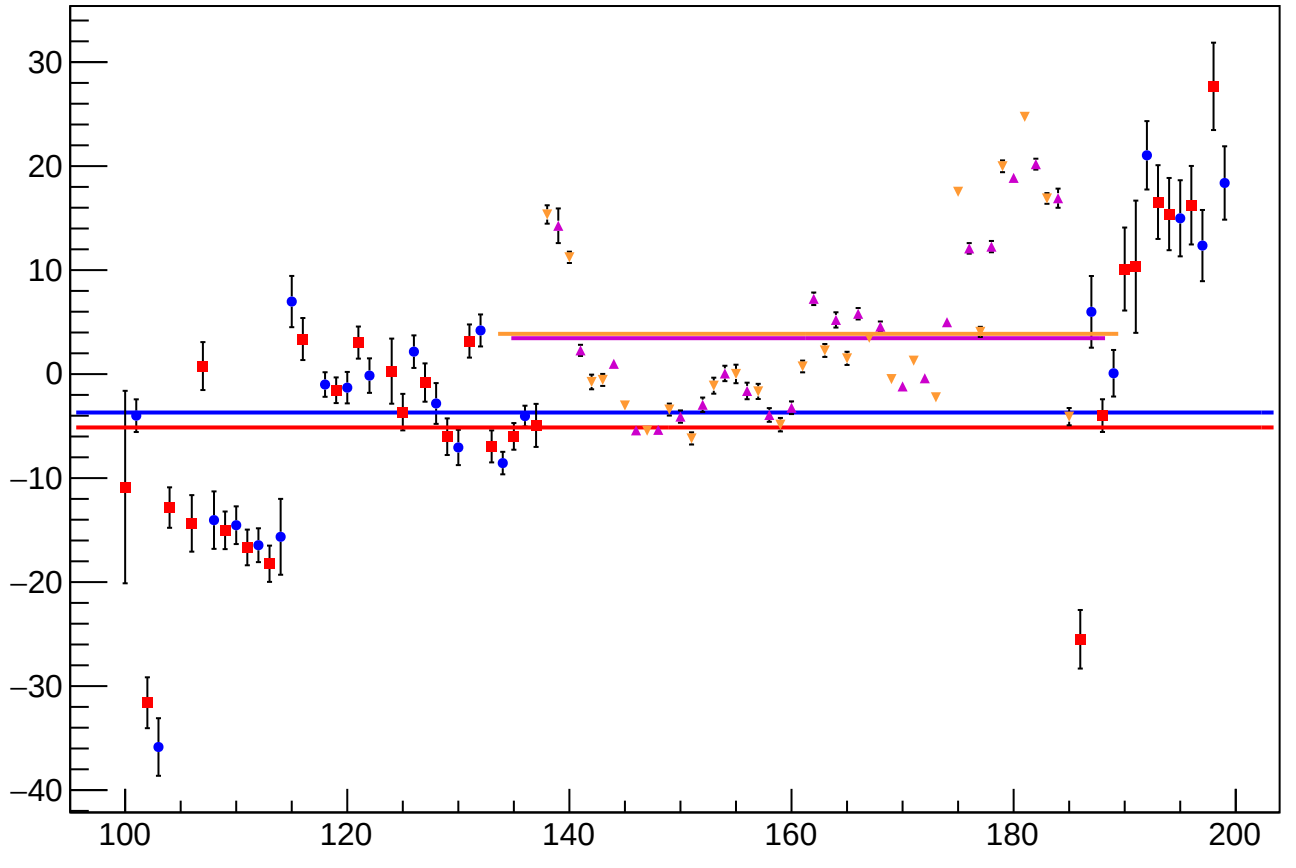
Left: -30.242+/-0.102 χ^2/NDF: 28092.8/47

Right: -6.284+/-0.245 χ^2/NDF: 4253.3/48

In: -26.756+/-0.135 χ^2/NDF:16352.5/44

Out: -26.641+/-0.131 χ^2/NDF:24172.1/51

All: -26.697+/-0.094 χ^2/NDF: 40525.0/96



Right In: -3.693+/-0.378 χ^2/NDF: 507.2/21

Left Out: 3.873+/-0.111 χ^2/NDF:6542.0/24

Right Out: -5.130+/-0.387 χ^2/NDF: 613.9/26

Left In: 3.453+/-0.114 χ^2/NDF:4693.7/22

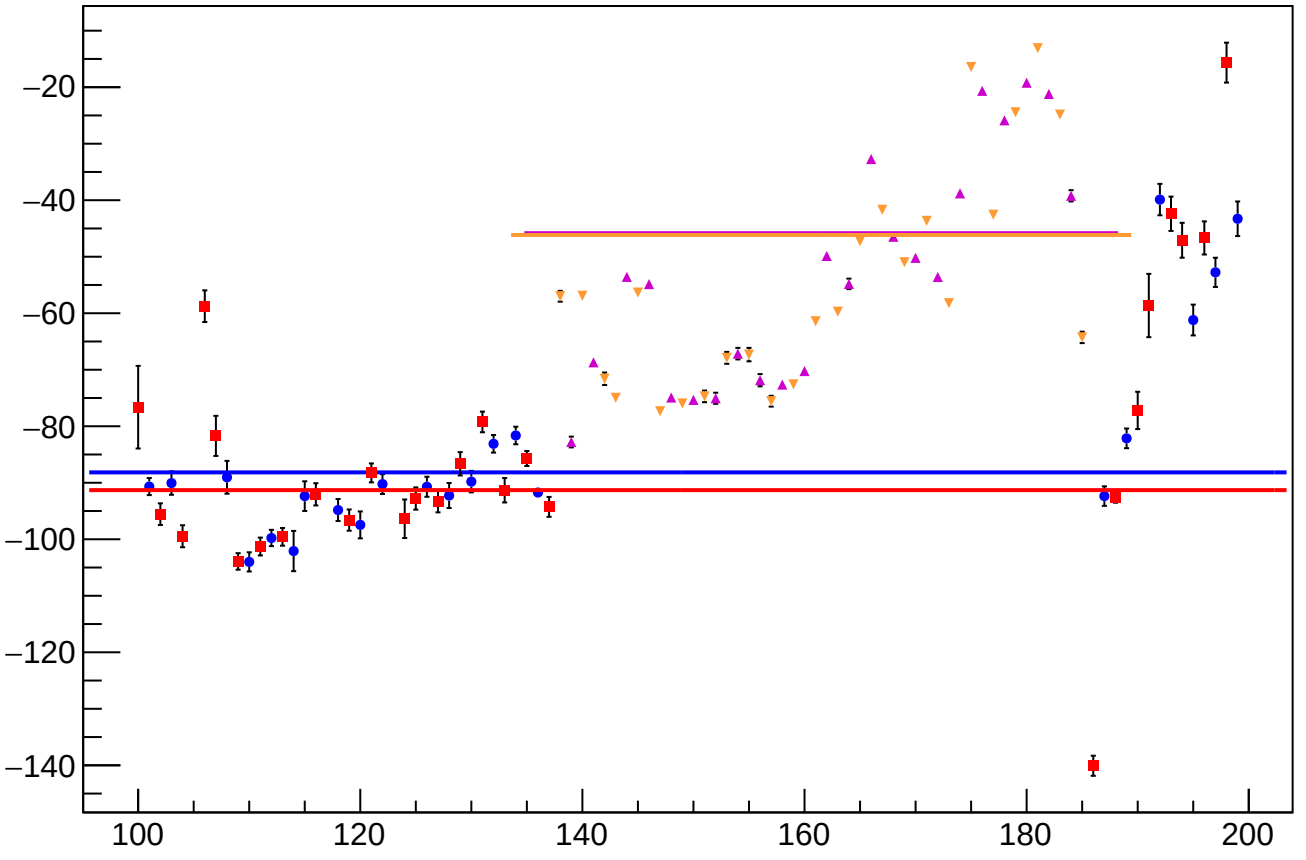
Left: 3.667+/-0.079 χ^2/NDF: 11242.7/47

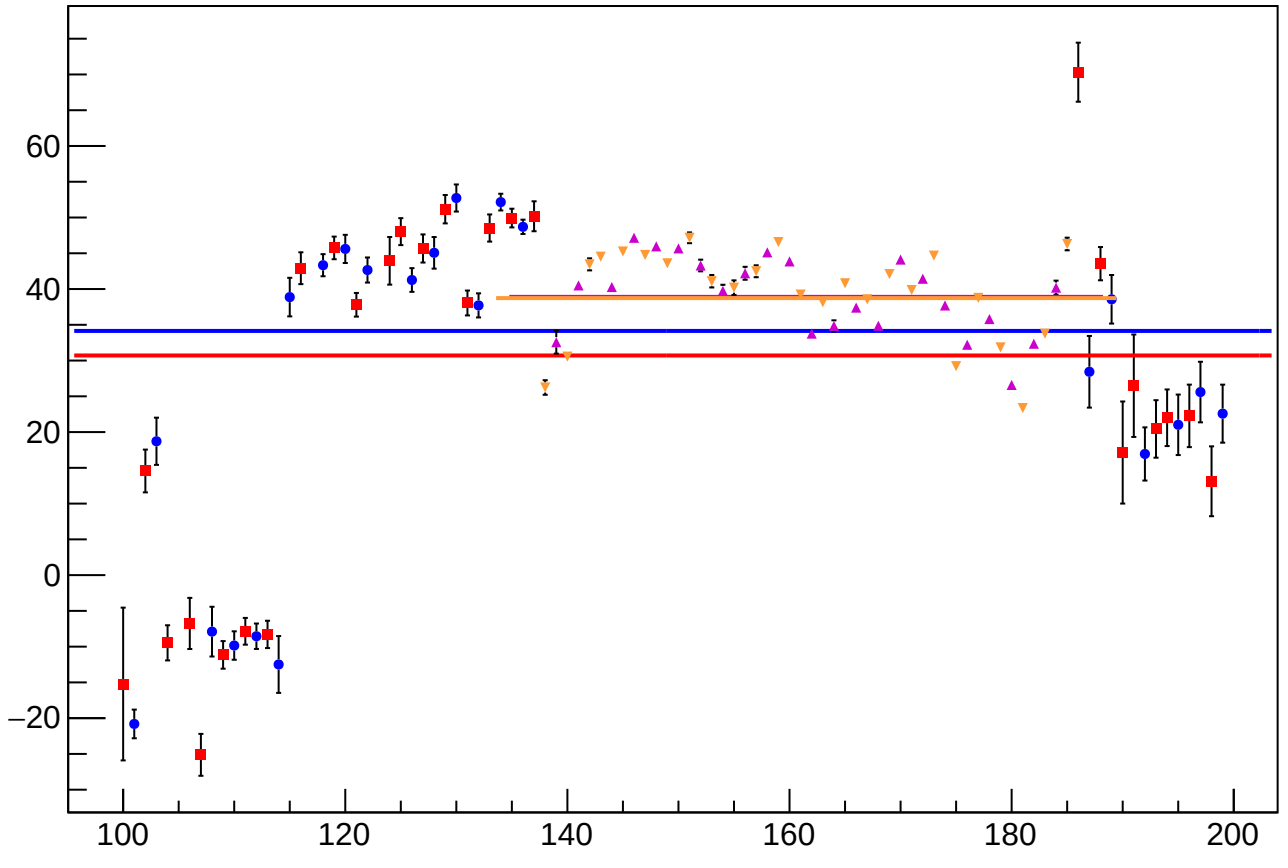
Right: -4.393+/-0.270 χ^2/NDF: 1128.2/48

In: 2.859+/-0.109 χ^2/NDF:5529.4/44

Out: 3.187+/-0.107 χ^2/NDF:7655.4/51

All: 3.026+/-0.076 χ^2/NDF: 13189.4/96


reg_asym_sam_2468_avg_diff_bpm4eX_slope vs Slug, Sign Corrected
−20
−40
−60
−80
−100
−120
−140
100
120
140
160
180
200
Right In: -88.163+/-0.385 χ²/NDF: 1072.7/21
Left Out: -46.153+/-0.142 χ²/NDF:21455.9/24
Right Out: -91.302+/-0.371 χ²/NDF: 2358.2/26
Left In: -45.833+/-0.146 χ²/NDF:17924.6/22
Left: -45.997+/-0.102 χ²/NDF: 39383.0/47
Right: -89.791+/-0.267 χ²/NDF: 3465.4/48
In: -51.155+/-0.137 χ²/NDF:29564.1/44
Out: -51.957+/-0.133 χ²/NDF:36734.0/51
All: -51.567+/-0.095 χ²/NDF: 66315.8/96



Right In: 34.143+/-0.427 χ^2/NDF: 2857.1/21

Left Out: 38.730+/-0.125 χ^2/NDF:2781.7/24

Right Out: 30.710+/-0.443 χ^2/NDF: 3066.6/26

Left In: 38.905+/-0.127 χ^2/NDF:1971.6/22

Left: 38.816+/-0.089 χ^2/NDF: 4754.3/47

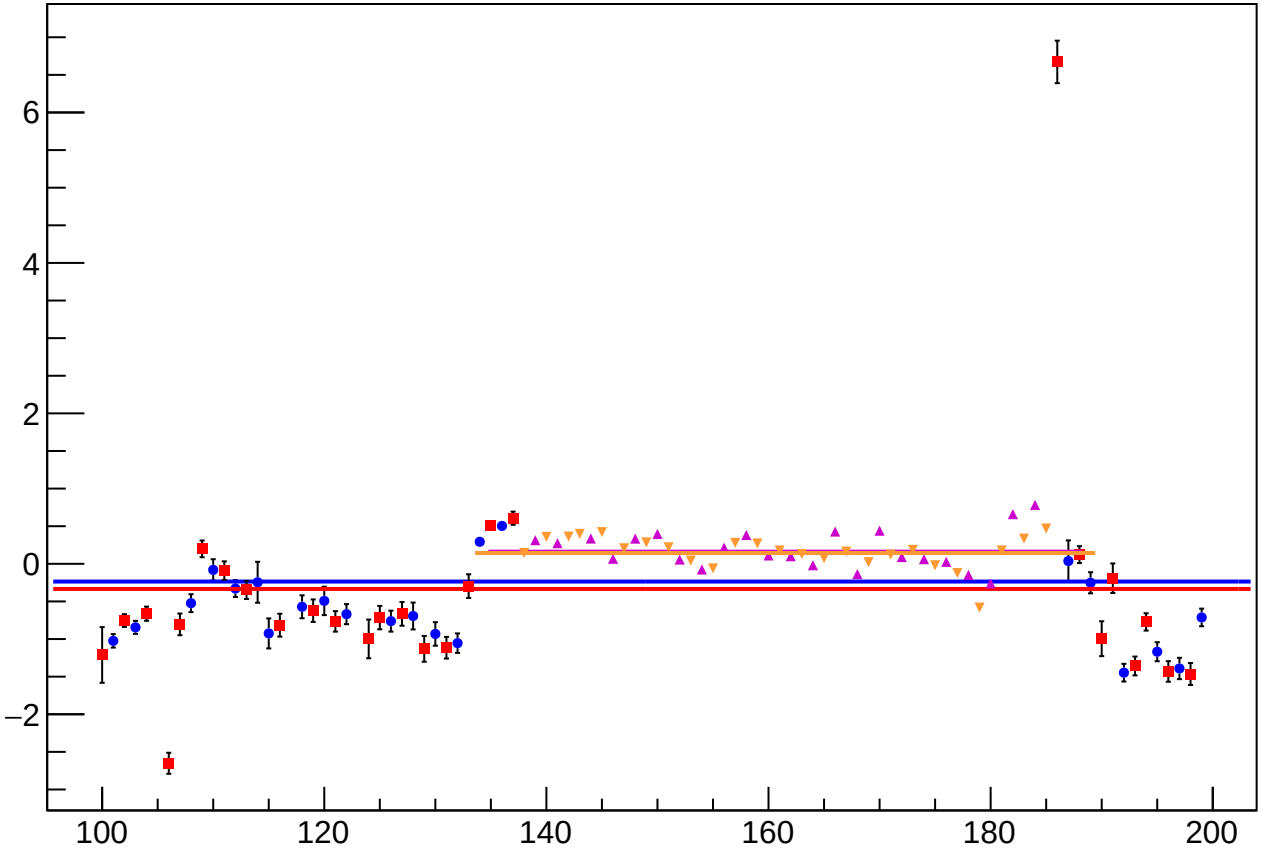
Right: 32.493+/-0.307 χ^2/NDF: 5954.8/48

In: 38.515+/-0.122 χ^2/NDF:4943.1/44

Out: 38.144+/-0.120 χ^2/NDF:6151.5/51

All: 38.326+/-0.086 χ^2/NDF: 11099.3/96

reg_asym_sam_2468_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.236+/-0.022 χ^2/NDF: 907.4/21

Left Out: 0.144+/-0.006 χ^2/NDF:1442.8/24

Right Out: -0.334+/-0.023 χ^2/NDF: 1674.5/26

Left In: 0.161+/-0.006 χ^2/NDF:1918.8/22

Left: 0.152+/-0.004 χ^2/NDF: 3366.6/47

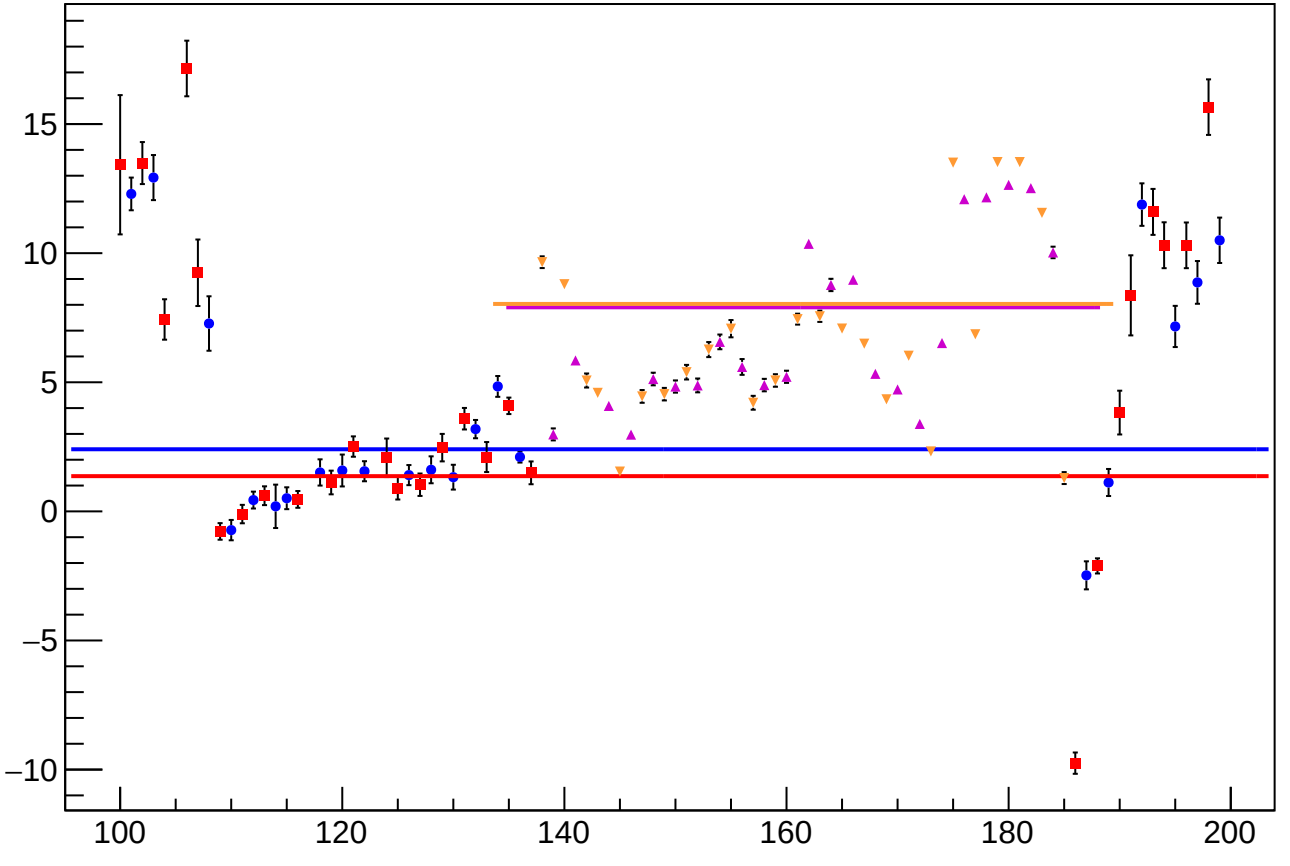
Right: -0.282+/-0.016 χ^2/NDF: 2591.3/48

In: 0.136+/-0.006 χ^2/NDF:3129.8/44

Out: 0.118+/-0.005 χ^2/NDF:3509.8/51

All: 0.127+/-0.004 χ^2/NDF: 6645.2/96

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 2.405+/-0.098 χ^2/NDF: 1004.5/21

Left Out: 8.034+/-0.035 χ^2/NDF:13924.1/24

Right Out: 1.364+/-0.094 χ^2/NDF: 2153.7/26

Left In: 7.903+/-0.036 χ^2/NDF:10017.8/22

Left: 7.970+/-0.025 χ^2/NDF: 23948.8/47

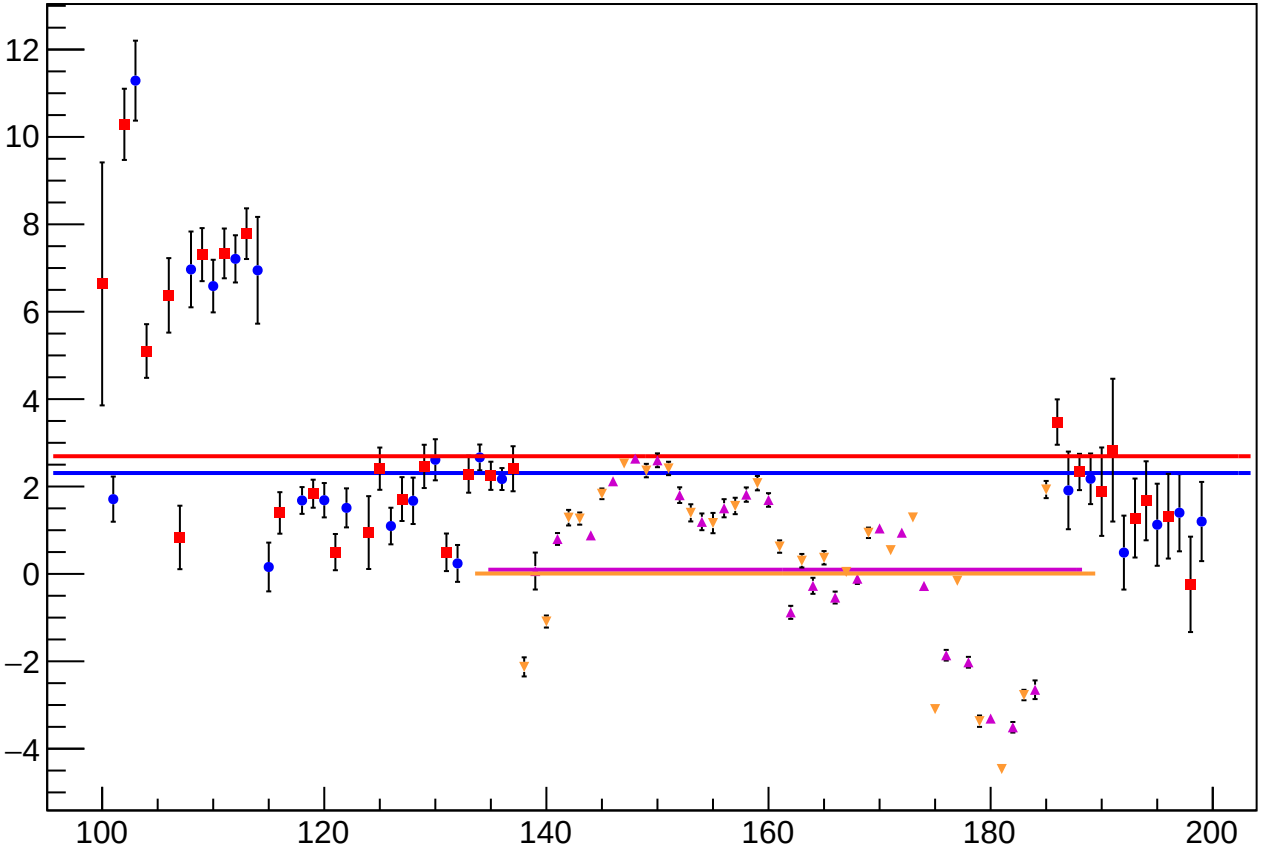
Right: 1.860+/-0.068 χ^2/NDF: 3217.0/48

In: 7.259+/-0.034 χ^2/NDF:13785.7/44

Out: 7.229+/-0.033 χ^2/NDF:20531.4/51

All: 7.243+/-0.023 χ^2/NDF: 34317.5/96

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.309+/-0.103 χ^2/NDF: 343.6/21

Left Out: 0.009+/-0.027 χ^2/NDF:5761.2/24

Right Out: 2.693+/-0.106 χ^2/NDF: 428.2/26

Left In: 0.096+/-0.028 χ^2/NDF:4433.3/22

Left: 0.051+/-0.020 χ^2/NDF: 10199.5/47

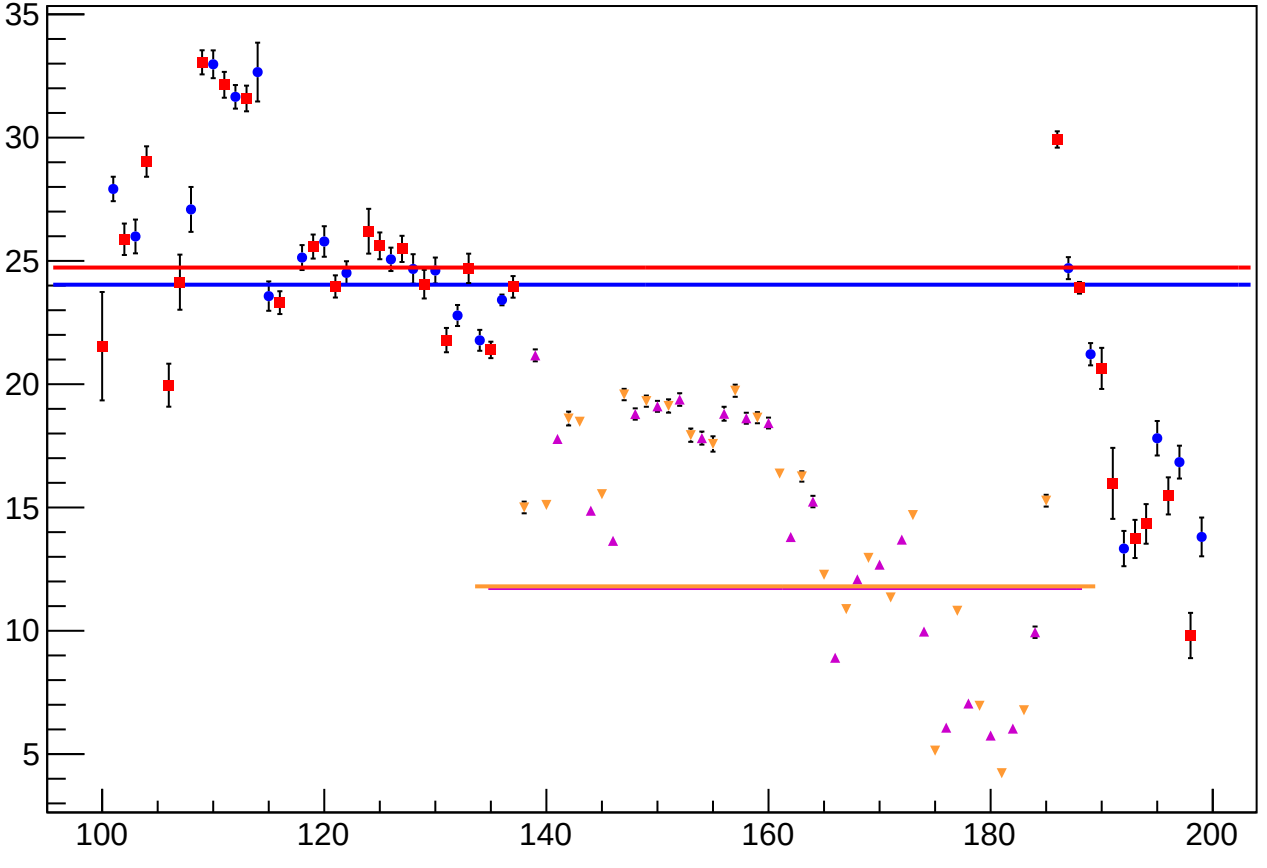
Right: 2.496+/-0.074 χ^2/NDF: 778.5/48

In: 0.250+/-0.027 χ^2/NDF:5207.2/44

Out: 0.179+/-0.027 χ^2/NDF:6794.6/51

All: 0.214+/-0.019 χ^2/NDF: 12005.3/96

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 24.035+/-0.105 χ^2/NDF: 1334.4/21

Left Out: 11.802+/-0.035 χ^2/NDF:21479.5/24

Right Out: 24.731+/-0.100 χ^2/NDF: 2014.9/26

Left In: 11.735+/-0.036 χ^2/NDF:17999.5/22

Left: 11.769+/-0.025 χ^2/NDF: 39480.8/47

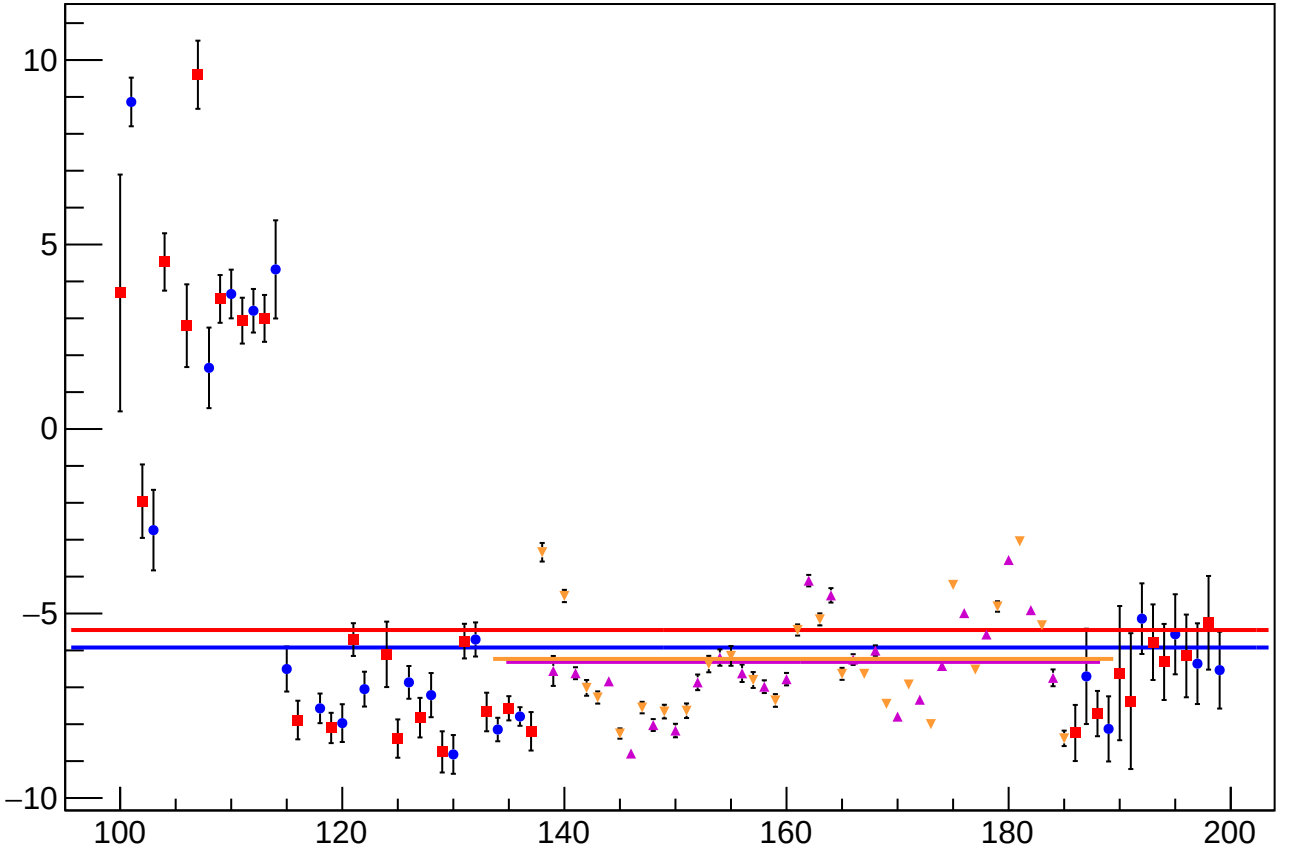
Right: 24.401+/-0.072 χ^2/NDF: 3372.2/48

In: 13.010+/-0.034 χ^2/NDF:31562.8/44

Out: 13.203+/-0.033 χ^2/NDF:38412.5/51

All: 13.109+/-0.024 χ^2/NDF: 69992.0/96

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -5.921+/-0.116 χ^2/NDF: 1259.4/21

Left Out: -6.231+/-0.031 χ^2/NDF:2450.1/24

Right Out: -5.448+/-0.121 χ^2/NDF: 1324.7/26

Left In: -6.311+/-0.031 χ^2/NDF:2030.2/22

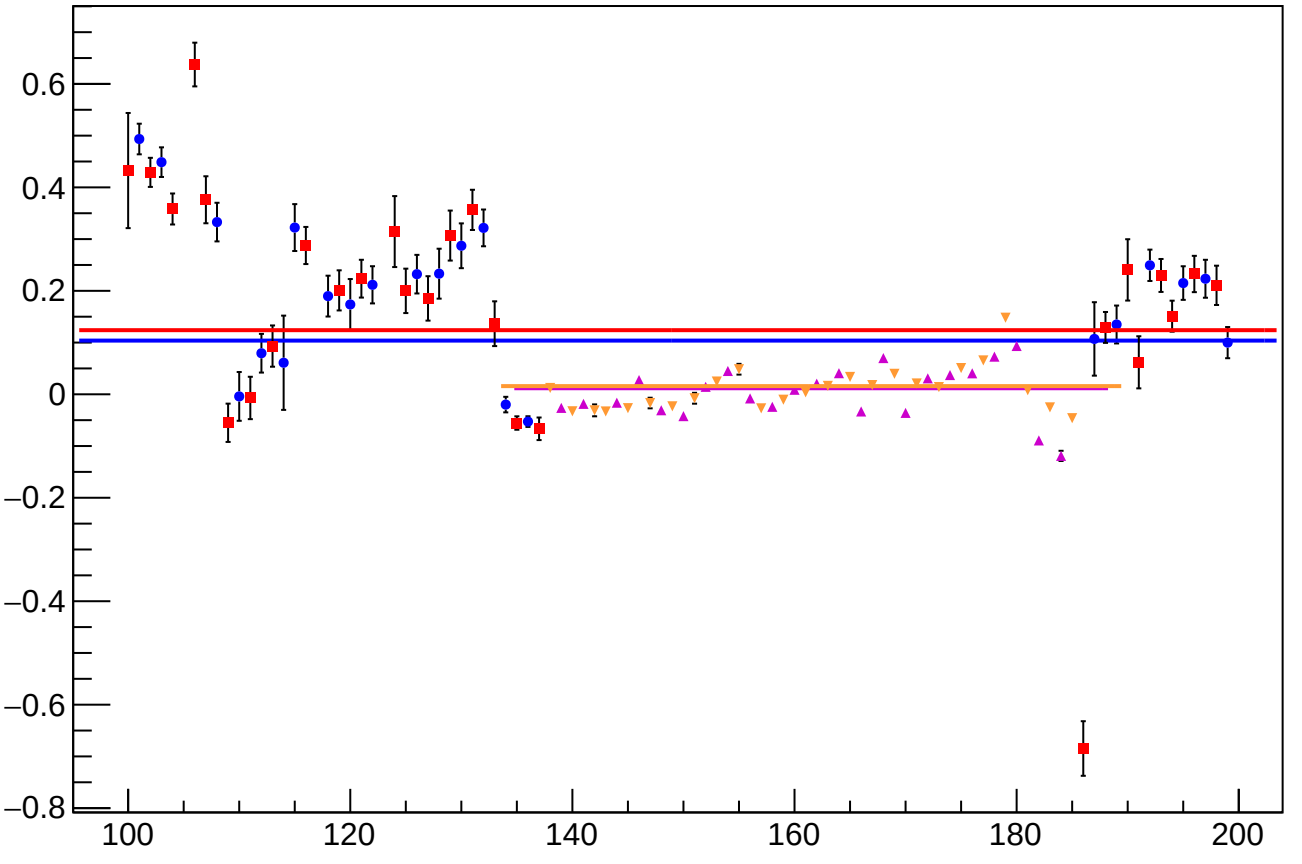
Left: -6.270+/-0.022 χ^2/NDF: 4483.6/47

Right: -5.695+/-0.084 χ^2/NDF: 2592.1/48

In: -6.285+/-0.030 χ^2/NDF:3300.1/44

Out: -6.183+/-0.030 χ^2/NDF:3813.9/51

All: -6.233+/-0.021 χ^2/NDF: 7119.7/96



Right In: 0.104+/-0.006 χ^2/NDF: 820.2/21

Left Out: 0.016+/-0.001 χ^2/NDF:933.4/24

Right Out: 0.124+/-0.006 χ^2/NDF: 1029.2/26

Left In: 0.012+/-0.001 χ^2/NDF:1297.5/22

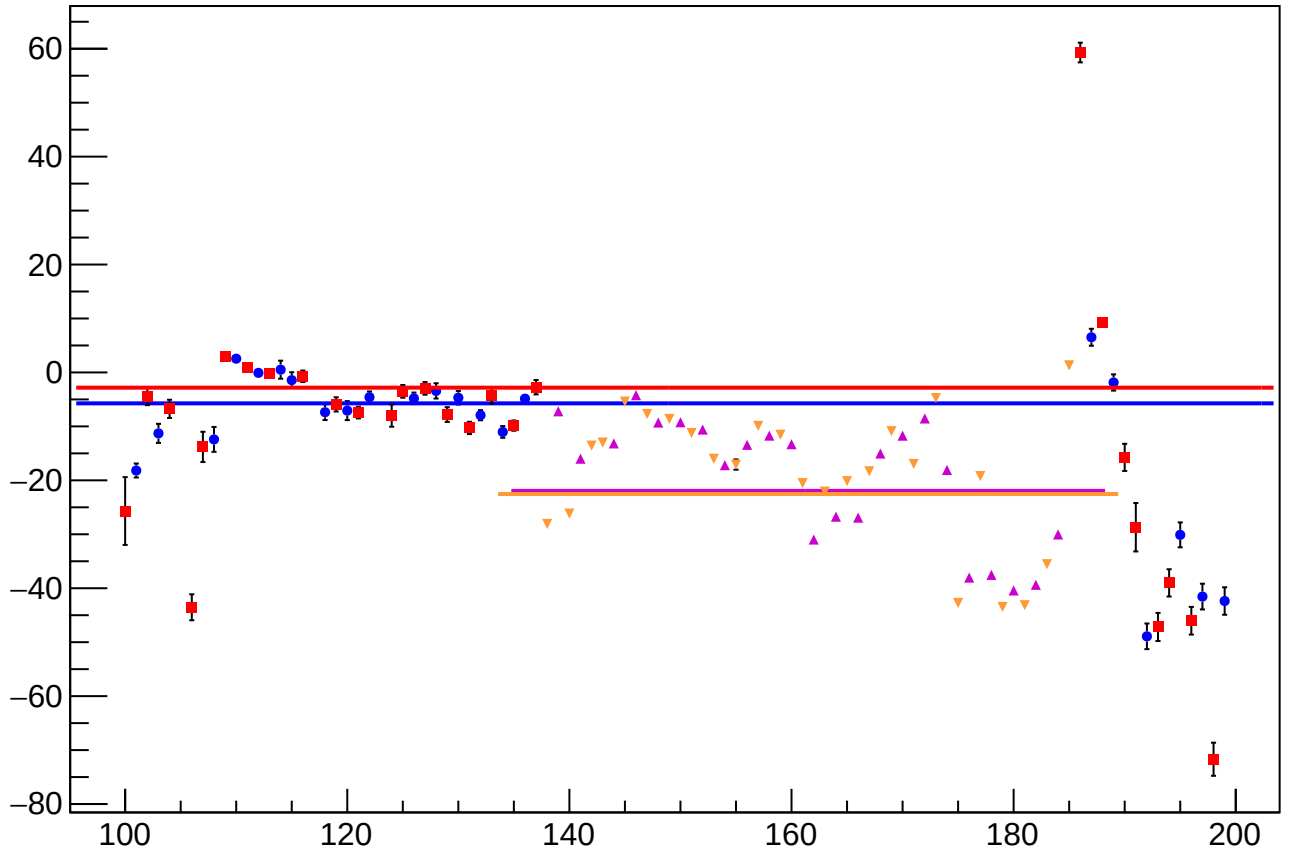
Left: 0.014+/-0.001 χ^2/NDF: 2235.3/47

Right: 0.113+/-0.004 χ^2/NDF: 1854.7/48

In: 0.016+/-0.001 χ^2/NDF:2341.6/44

Out: 0.021+/-0.001 χ^2/NDF:2235.2/51

All: 0.019+/-0.001 χ^2/NDF: 4581.3/96



Right In: -5.729+/-0.255 χ^2/NDF: 1295.2/21

Left Out: -22.538+/-0.108 χ^2/NDF:16540.6/24

Right Out: -2.821+/-0.241 χ^2/NDF: 3299.8/26

Left In: -21.957+/-0.111 χ^2/NDF:12585.3/22

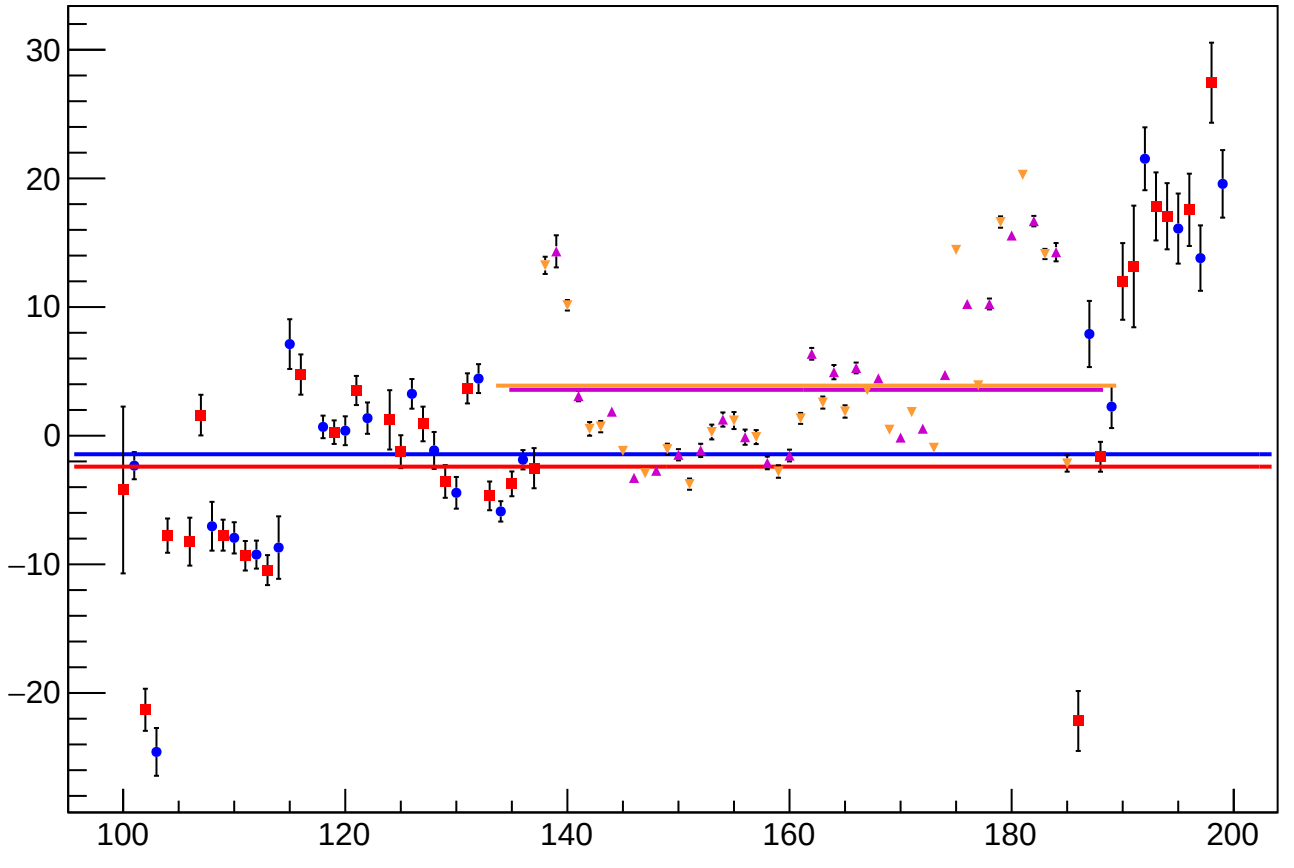
Left: -22.255+/-0.078 χ^2/NDF: 29139.9/47

Right: -4.193+/-0.175 χ^2/NDF: 4663.9/48

In: -19.359+/-0.102 χ^2/NDF:17291.1/44

Out: -19.230+/-0.099 χ^2/NDF:25421.9/51

All: -19.292+/-0.071 χ^2/NDF: 42713.9/96



Right In: -1.442+/-0.274 χ^2/NDF: 616.8/21

Left Out: 3.891+/-0.084 χ^2/NDF:6724.1/24

Right Out: -2.406+/-0.279 χ^2/NDF: 734.7/26

Left In: 3.565+/-0.086 χ^2/NDF:4739.4/22

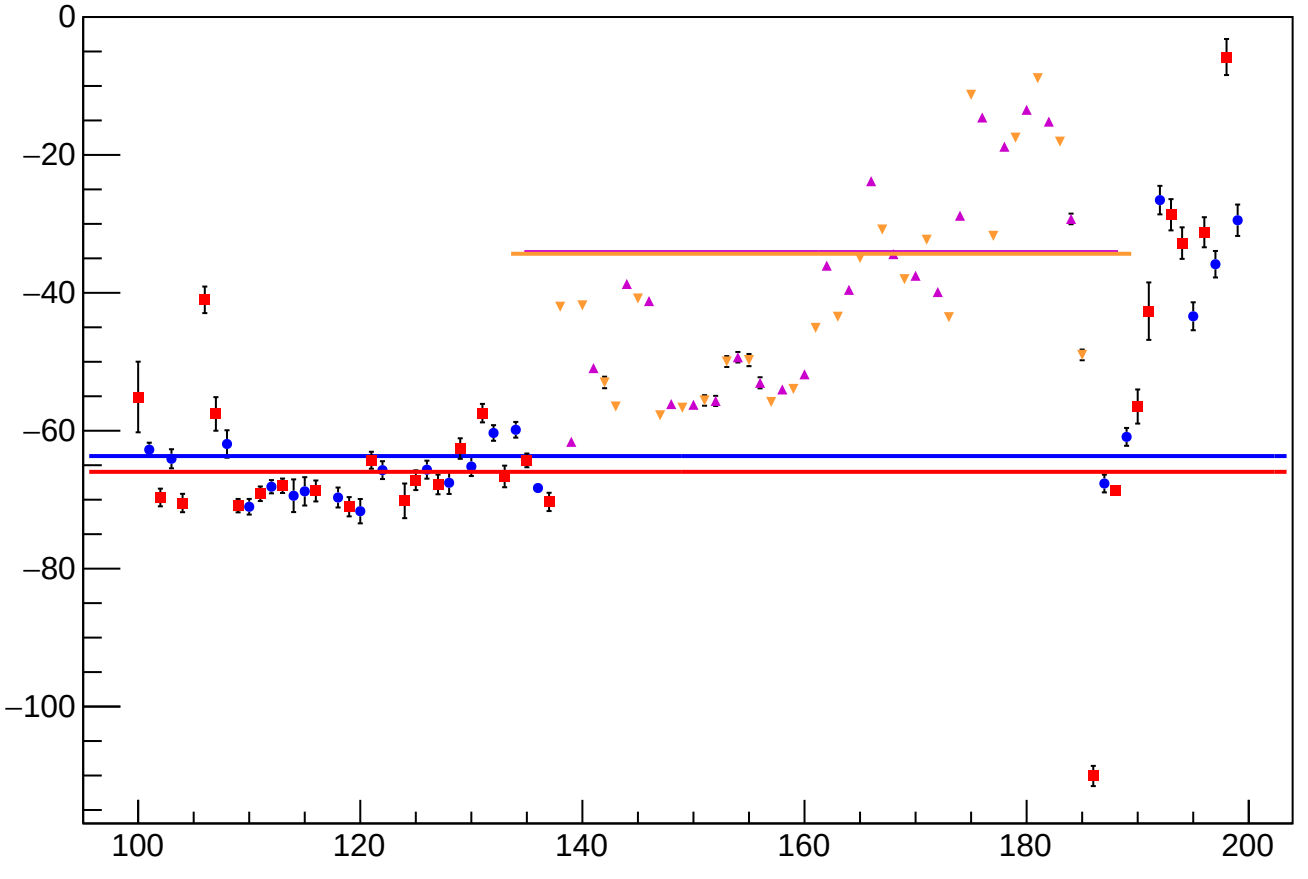
Left: 3.732+/-0.060 χ^2/NDF: 11470.7/47

Right: -1.914+/-0.195 χ^2/NDF: 1357.5/48

In: 3.113+/-0.082 χ^2/NDF:5661.0/44

Out: 3.366+/-0.081 χ^2/NDF:7924.4/51

All: 3.242+/-0.058 χ^2/NDF: 13590.2/96



Right In: -63.673+/-0.278 χ^2/NDF: 1068.7/21

Left Out: -34.334+/-0.108 χ^2/NDF:21200.8/24

Right Out: -65.960+/-0.268 χ^2/NDF: 2556.8/26

Left In: -34.091+/-0.111 χ^2/NDF:17726.5/22

Left: -34.216+/-0.077 χ^2/NDF: 38929.7/47

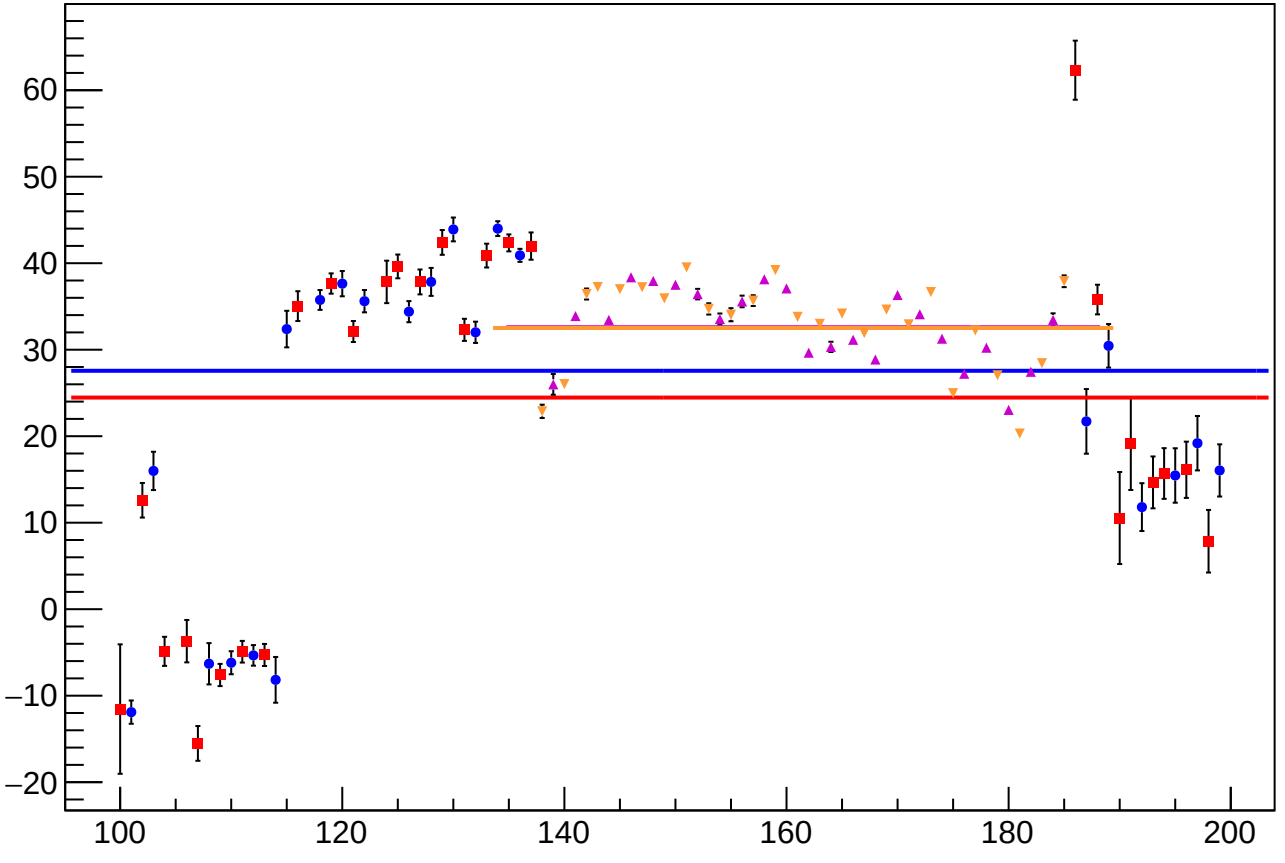
Right: -64.859+/-0.193 χ^2/NDF: 3660.6/48

In: -38.155+/-0.103 χ^2/NDF:28561.3/44

Out: -38.778+/-0.100 χ^2/NDF:35747.2/51

All: -38.475+/-0.072 χ^2/NDF: 64327.3/96

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 27.564+/-0.309 χ^2/NDF: 3803.4/21

Left Out: 32.511+/-0.095 χ^2/NDF:2938.0/24

Right Out: 24.466+/-0.320 χ^2/NDF: 4064.0/26

Left In: 32.598+/-0.097 χ^2/NDF:2012.9/22

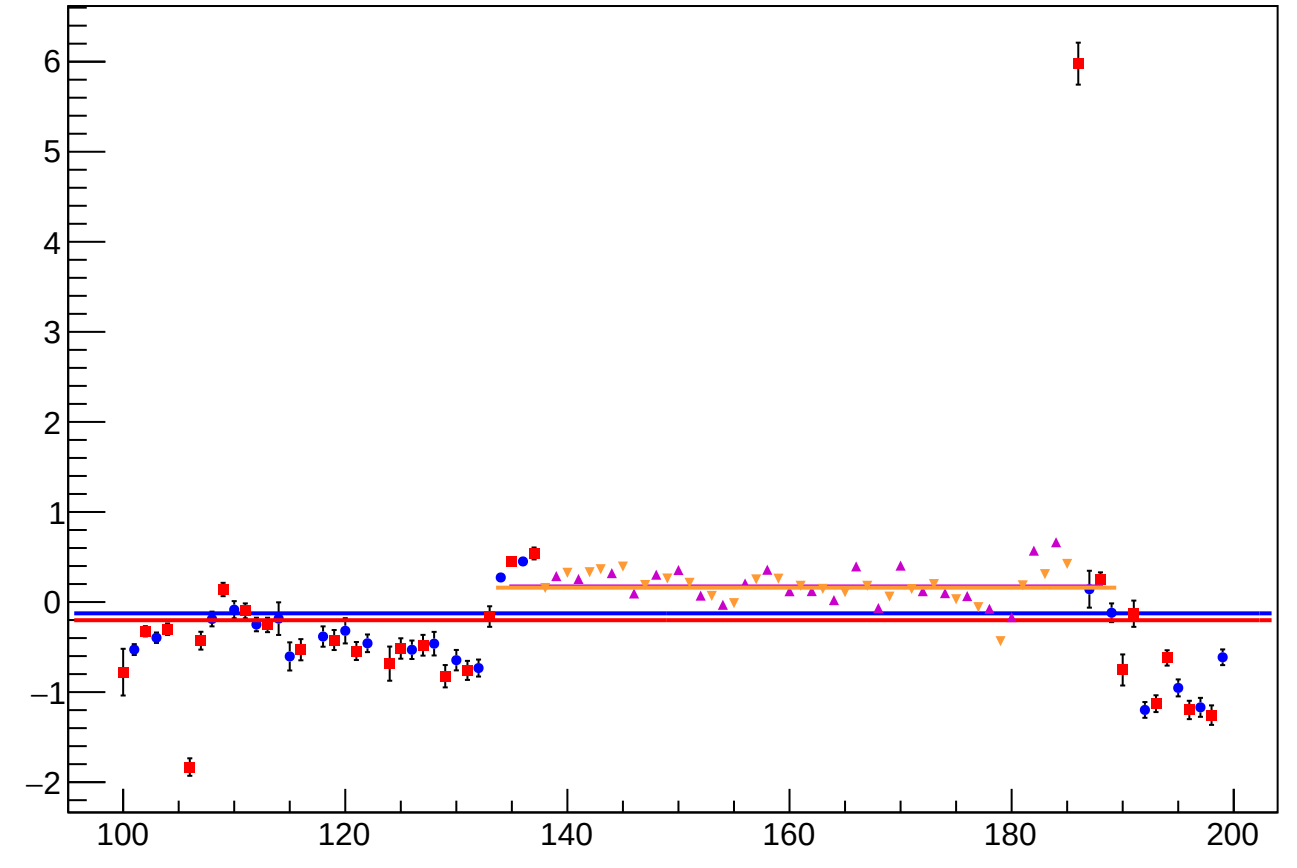
Left: 32.553+/-0.068 χ^2/NDF: 4951.3/47

Right: 26.066+/-0.222 χ^2/NDF: 7915.8/48

In: 32.150+/-0.092 χ^2/NDF:6057.3/44

Out: 31.865+/-0.091 χ^2/NDF:7583.8/51

All: 32.005+/-0.065 χ^2/NDF: 13646.0/96



Right In: -0.125+/-0.016 χ^2/NDF: 990.4/21

Left Out: 0.160+/-0.004 χ^2/NDF:1613.0/24

Right Out: -0.202+/-0.017 χ^2/NDF: 1887.4/26

Left In: 0.173+/-0.004 χ^2/NDF:2129.7/22

Left: 0.166+/-0.003 χ^2/NDF: 3747.7/47

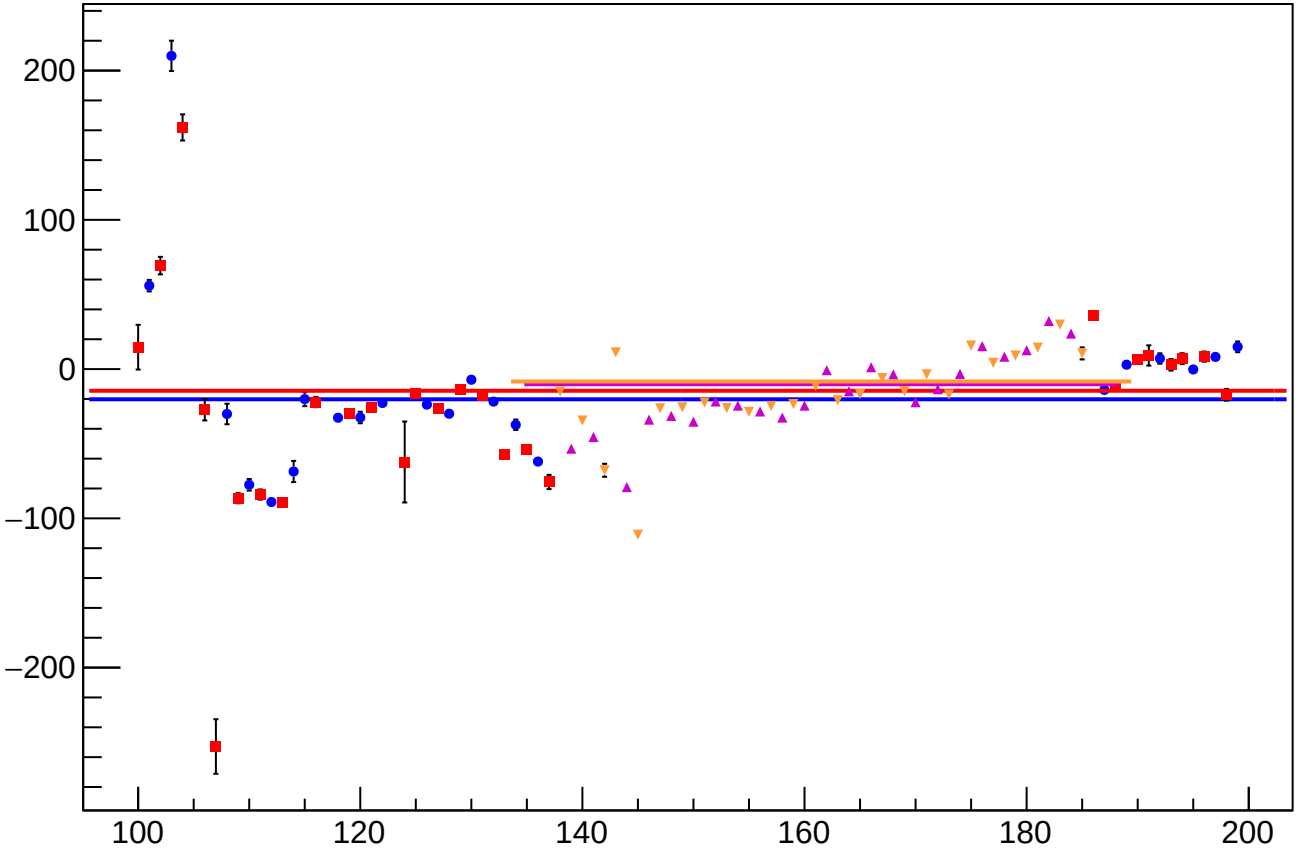
Right: -0.161+/-0.012 χ^2/NDF: 2888.6/48

In: 0.153+/-0.004 χ^2/NDF:3445.1/44

Out: 0.138+/-0.004 χ^2/NDF:3930.3/51

All: 0.145+/-0.003 χ^2/NDF: 7381.6/96

reg_asym_atl1_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -20.232+/-0.667 χ^2/NDF: 2489.1/21

Left Out: -8.298+/-0.514 χ^2/NDF:2559.6/24

Right Out: -14.519+/-0.586 χ^2/NDF: 4044.1/26

Left In: -10.183+/-0.526 χ^2/NDF:2518.4/22

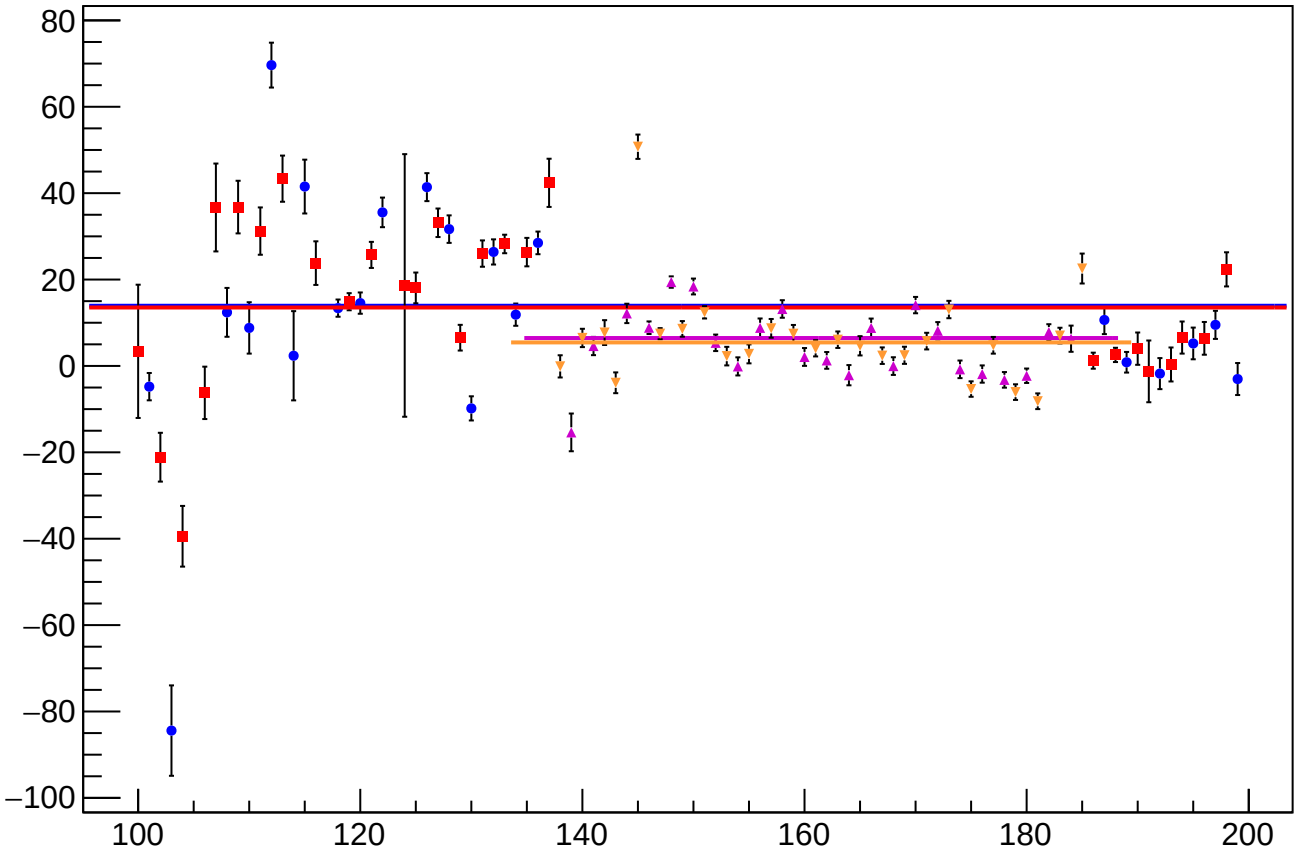
Left: -9.217+/-0.368 χ^2/NDF: 5084.6/47

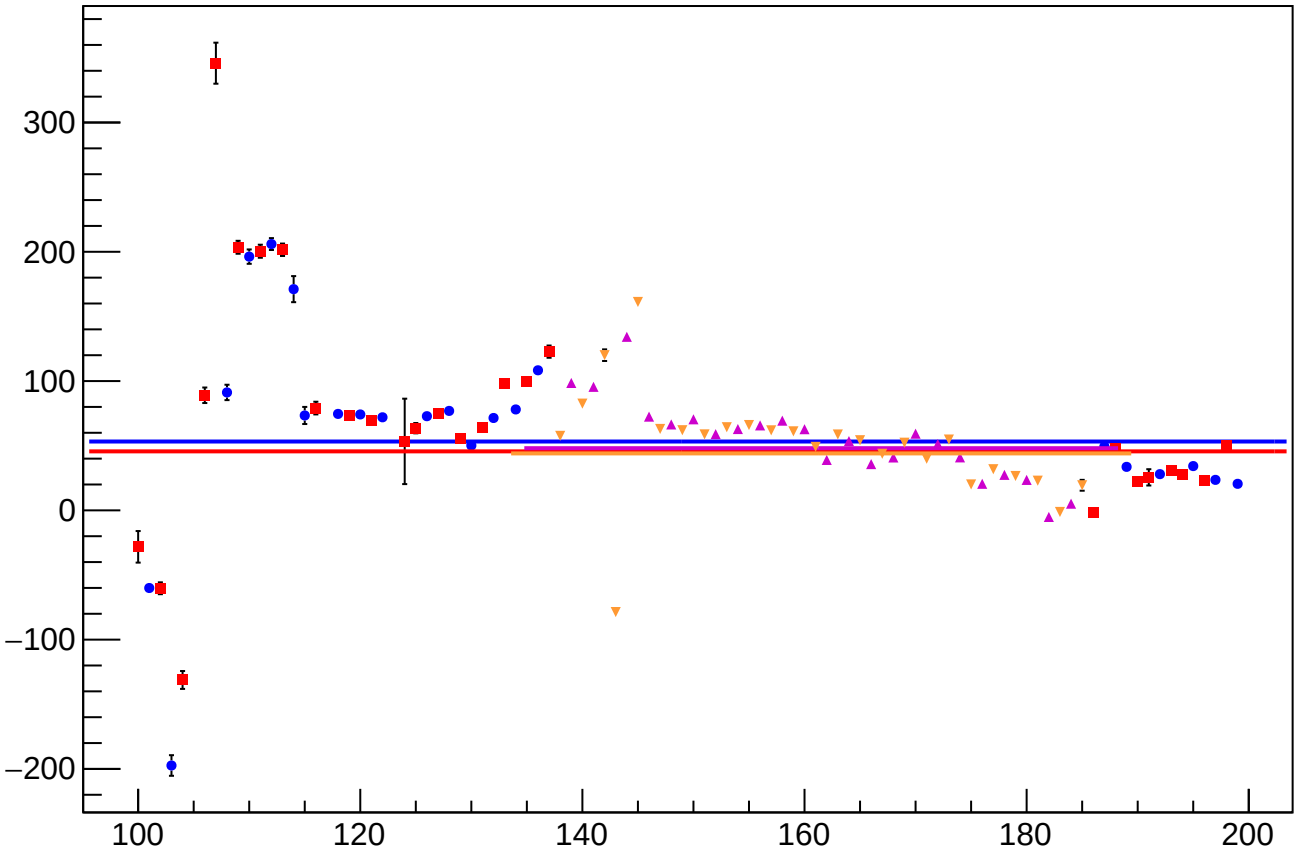
Right: -17.008+/-0.440 χ^2/NDF: 6574.5/48

In: -14.037+/-0.413 χ^2/NDF:5147.3/44

Out: -11.000+/-0.386 χ^2/NDF:6667.4/51

All: -12.416+/-0.282 χ^2/NDF: 11843.6/96


reg_asym_atl1_diff_bpm4aY_slope vs Slug, Sign Corrected
80
60
40
20
0
−20
−40
−60
−80
−100
100
120
140
160
180
200
Right In: 13.931+/-0.696 χ²/NDF: 603.4/21
Left Out: 5.445+/-0.394 χ²/NDF:493.7/24
Right Out: 13.531+/-0.653 χ²/NDF: 458.0/26
Left In: 6.461+/-0.408 χ²/NDF:336.0/22
Left: 5.936+/-0.283 χ²/NDF: 832.9/47
Right: 13.718+/-0.476 χ²/NDF: 1061.5/48
In: 8.372+/-0.352 χ²/NDF:1025.1/44
Out: 7.602+/-0.337 χ²/NDF:1064.0/51
All: 7.971+/-0.244 χ²/NDF: 2091.6/96



Right In: 53.247+/-0.654 χ^2/NDF: 5695.0/21

Left Out: 44.040+/-0.510 χ^2/NDF:4563.8/24

Right Out: 45.625+/-0.547 χ^2/NDF: 7524.3/26

Left In: 48.076+/-0.521 χ^2/NDF:3376.5/22

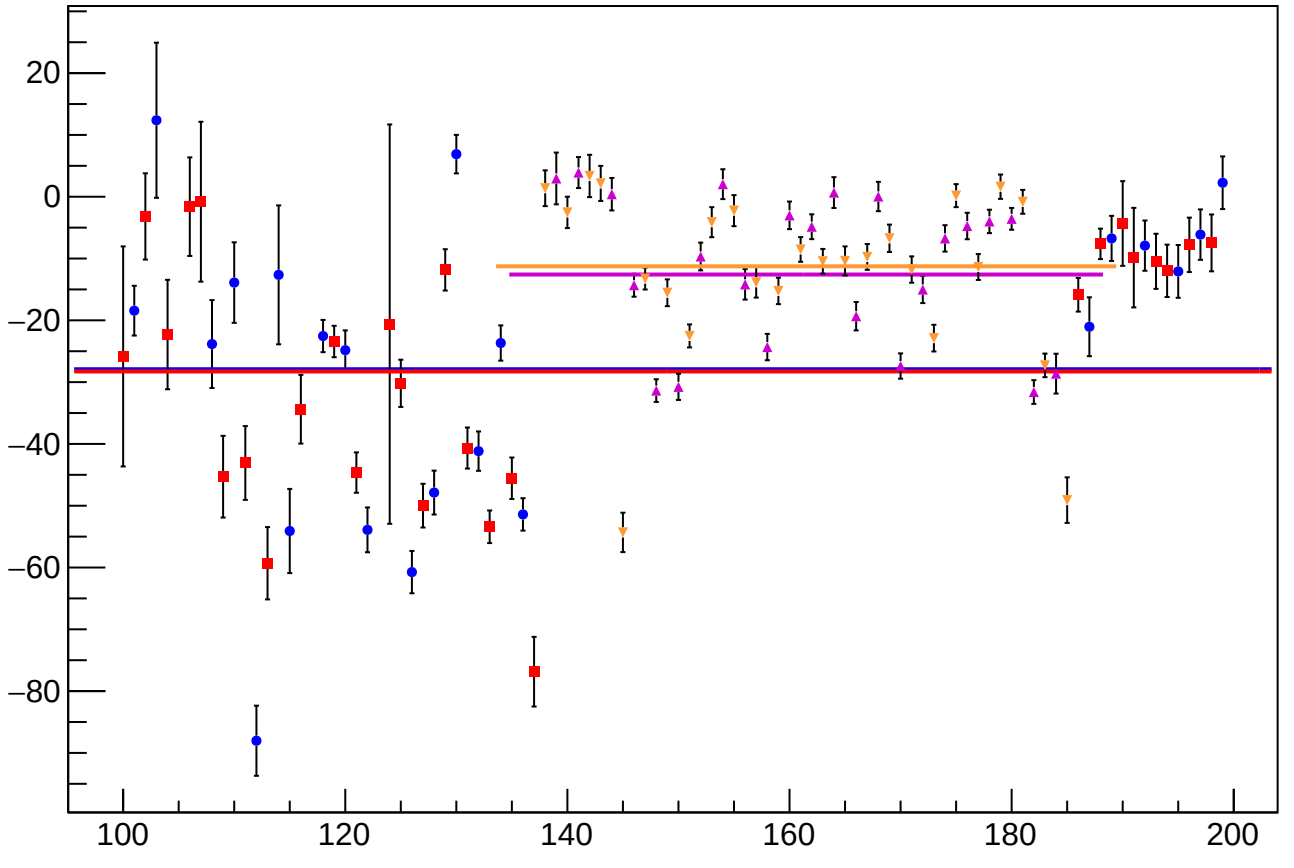
Left: 46.014+/-0.364 χ^2/NDF: 7970.9/47

Right: 48.762+/-0.419 χ^2/NDF: 13299.2/48

In: 50.086+/-0.408 χ^2/NDF:9109.7/44

Out: 44.777+/-0.373 χ^2/NDF:12092.5/51

All: 47.196+/-0.275 χ^2/NDF: 21294.6/96



Right In: -27.915+/-0.823 χ^2/NDF: 706.3/21

Left Out: -11.260+/-0.445 χ^2/NDF:643.3/24

Right Out: -28.273+/-0.802 χ^2/NDF: 548.7/26

Left In: -12.589+/-0.459 χ^2/NDF:671.8/22

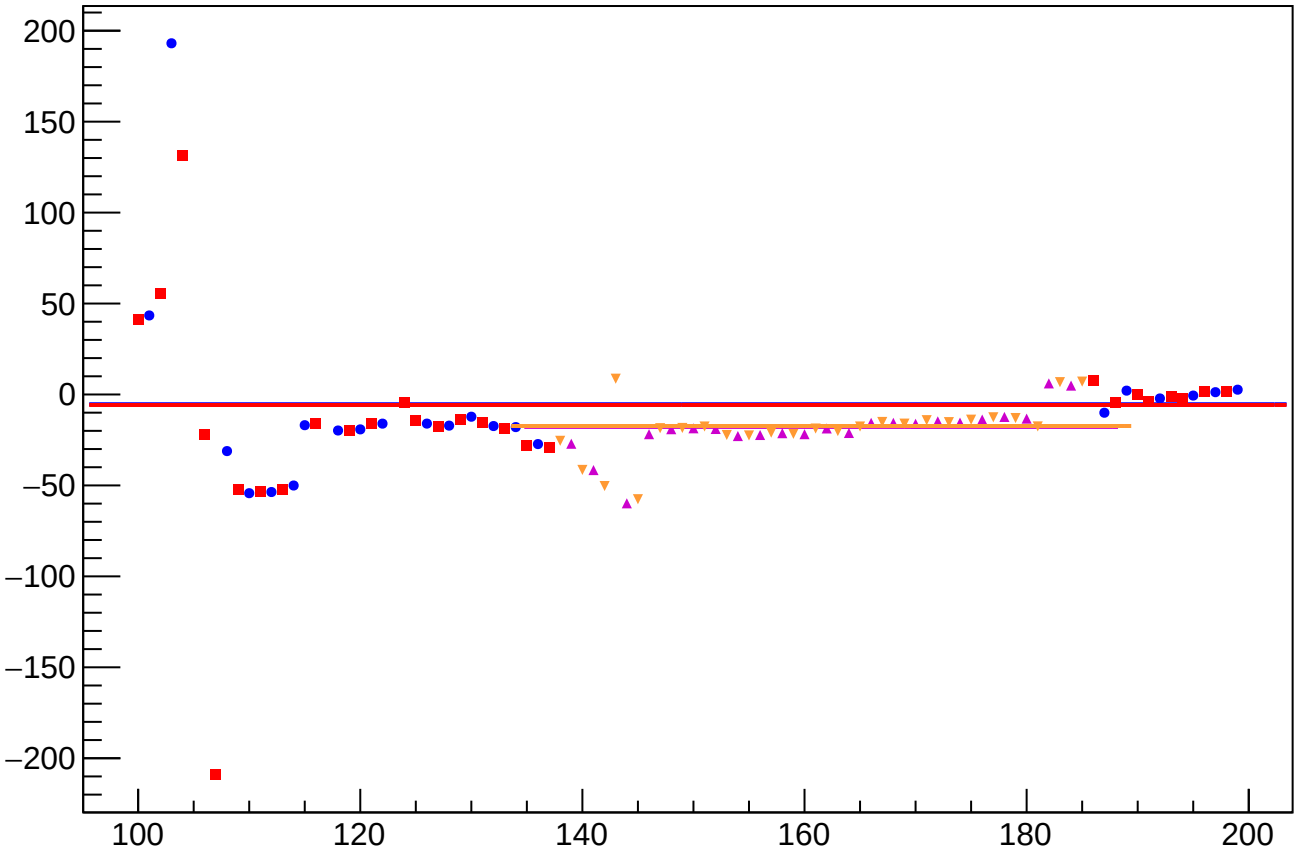
Left: -11.904+/-0.319 χ^2/NDF: 1319.4/47

Right: -28.098+/-0.575 χ^2/NDF: 1255.1/48

In: -16.223+/-0.401 χ^2/NDF:1642.7/44

Out: -15.260+/-0.389 χ^2/NDF:1535.8/51

All: -15.727+/-0.279 χ^2/NDF: 3181.4/96



Right In: -5.362+/-0.041 χ^2/NDF: 541064.9/21

Left Out: -17.330+/-0.020 χ^2/NDF:347790.9/24

Right Out: -5.775+/-0.041 χ^2/NDF: 476735.7/26

Left In: -17.829+/-0.020 χ^2/NDF:267426.0/22

Left: -17.576+/-0.014 χ^2/NDF: 615524.8/47

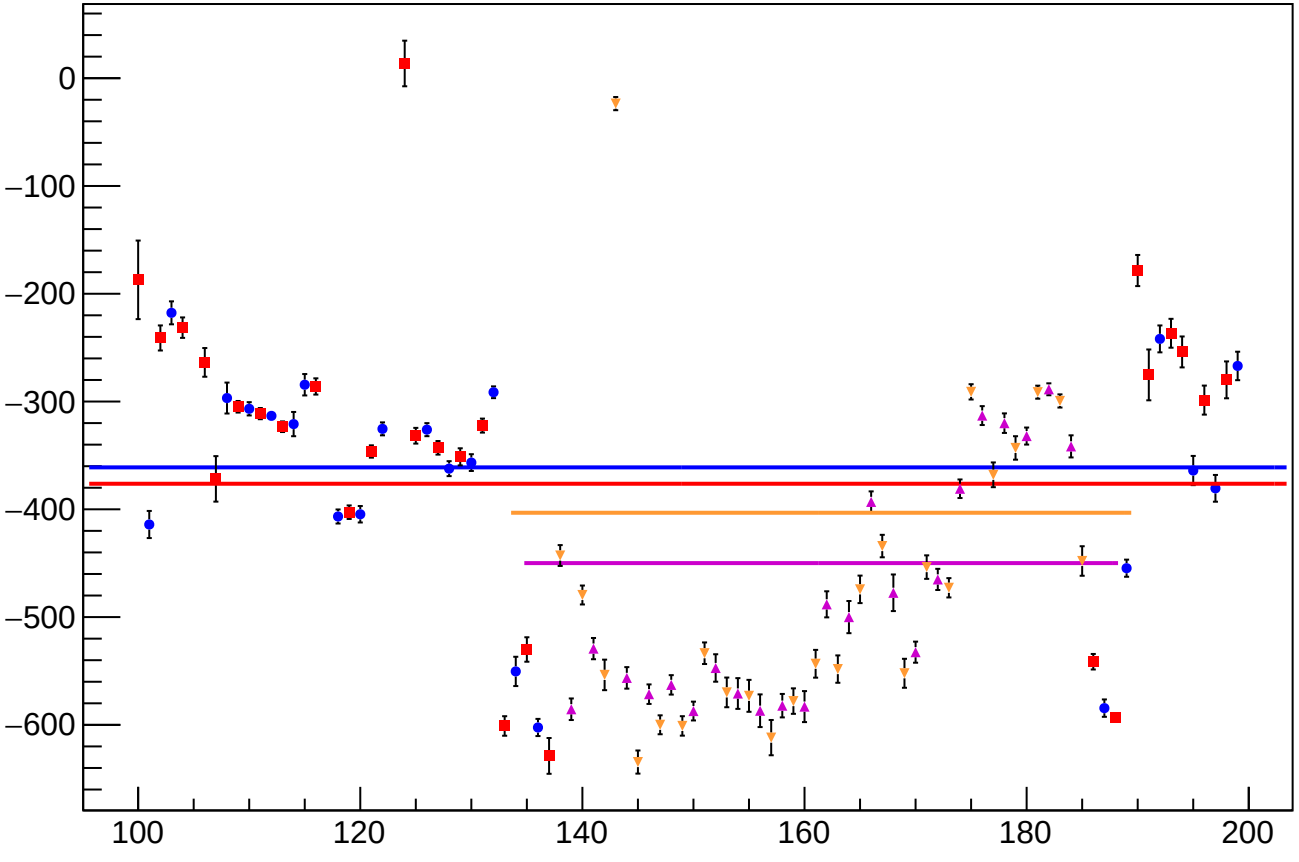
Right: -5.570+/-0.029 χ^2/NDF: 1017852.0/48

In: -15.361+/-0.018 χ^2/NDF:883245.1/44

Out: -15.075+/-0.018 χ^2/NDF:889886.3/51

All: -15.216+/-0.013 χ^2/NDF: 1773256.6/96

reg_asym_atl2_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -361.087+/-1.677 χ^2/NDF: 2955.8/21

Left Out: -403.195+/-1.928 χ^2/NDF:7750.3/24

Right Out: -376.283+/-1.538 χ^2/NDF: 6142.9/26

Left In: -449.912+/-2.043 χ^2/NDF:3218.9/22

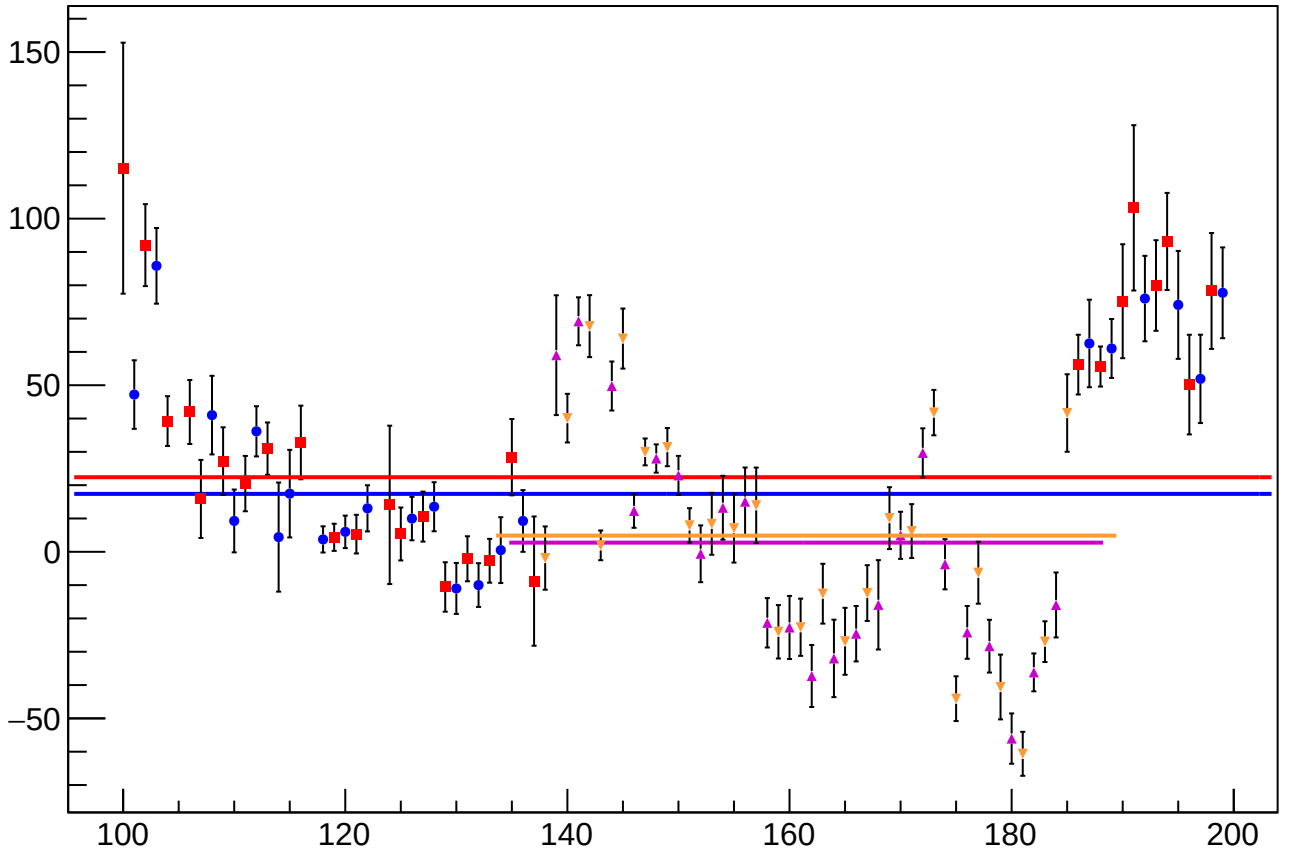
Left: -425.194+/-1.402 χ^2/NDF: 11245.8/47

Right: -369.338+/-1.134 χ^2/NDF: 9143.2/48

In: -396.836+/-1.296 χ^2/NDF:7304.0/44

Out: -386.755+/-1.202 χ^2/NDF:14012.2/51

All: -391.418+/-0.882 χ^2/NDF: 21348.8/96



Right In: 17.388+/-1.730 χ^2/NDF: 206.4/21

Left Out: 4.858+/-1.447 χ^2/NDF:457.2/24

Right Out: 22.388+/-1.681 χ^2/NDF: 256.0/26

Left In: 2.756+/-1.554 χ^2/NDF:399.6/22

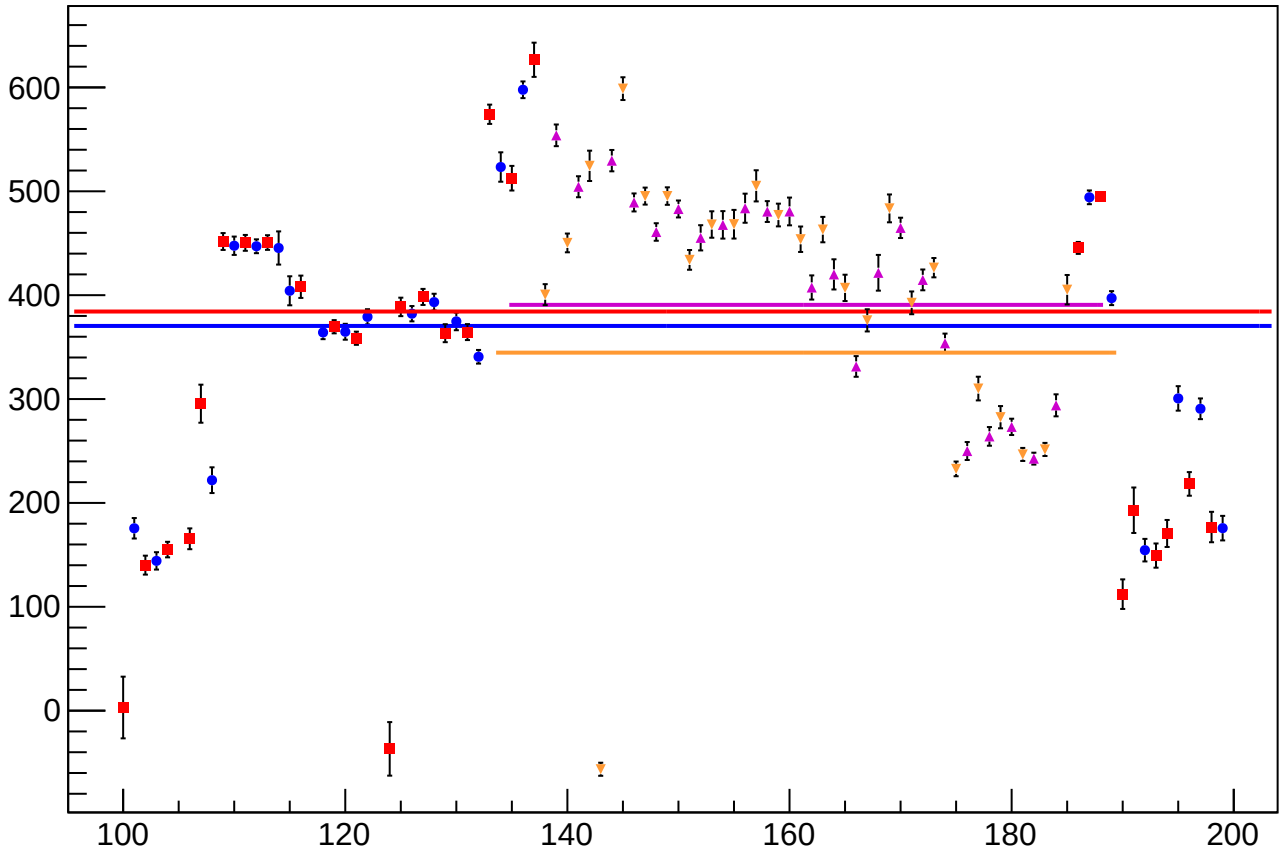
Left: 3.882+/-1.059 χ^2/NDF: 857.8/47

Right: 19.960+/-1.206 χ^2/NDF: 466.7/48

In: 9.291+/-1.156 χ^2/NDF:645.6/44

Out: 12.319+/-1.097 χ^2/NDF:775.6/51

All: 10.885+/-0.796 χ^2/NDF: 1424.9/96



Right In: 370.385+/-1.814 χ^2/NDF: 3586.0/21

Left Out: 344.680+/-1.924 χ^2/NDF:7278.2/24

Right Out: 384.260+/-1.612 χ^2/NDF: 6290.2/26

Left In: 390.672+/-2.029 χ^2/NDF:2672.8/22

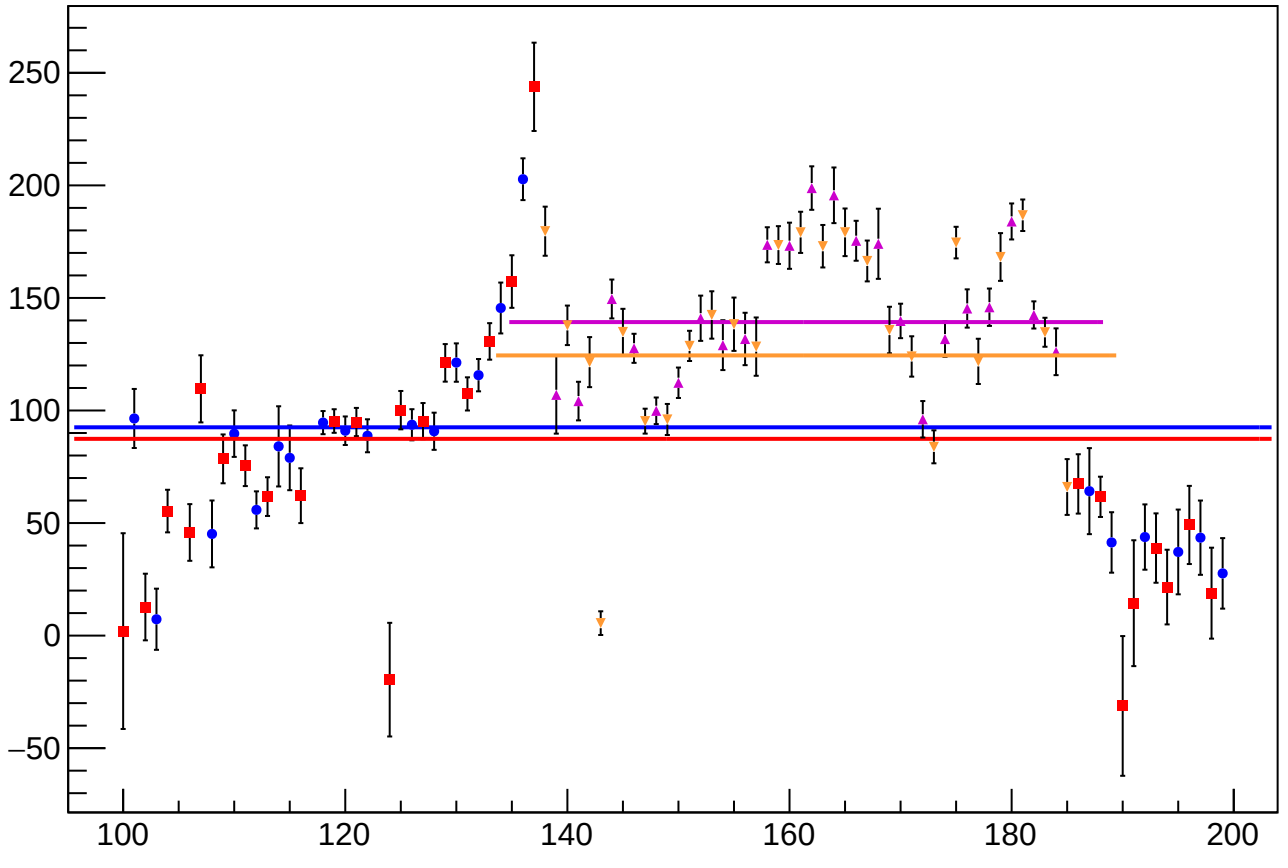
Left: 366.451+/-1.396 χ^2/NDF: 10221.5/47

Right: 378.135+/-1.205 χ^2/NDF: 9908.9/48

In: 379.394+/-1.352 χ^2/NDF:6314.4/44

Out: 367.932+/-1.236 χ^2/NDF:13817.0/51

All: 373.147+/-0.912 χ^2/NDF: 20170.5/96



Right In: 92.532+/-2.036 χ^2/NDF: 318.7/21

Left Out: 124.466+/-1.662 χ^2/NDF:937.6/24

Right Out: 87.404+/-1.989 χ^2/NDF: 320.1/26

Left In: 139.274+/-1.769 χ^2/NDF:260.9/22

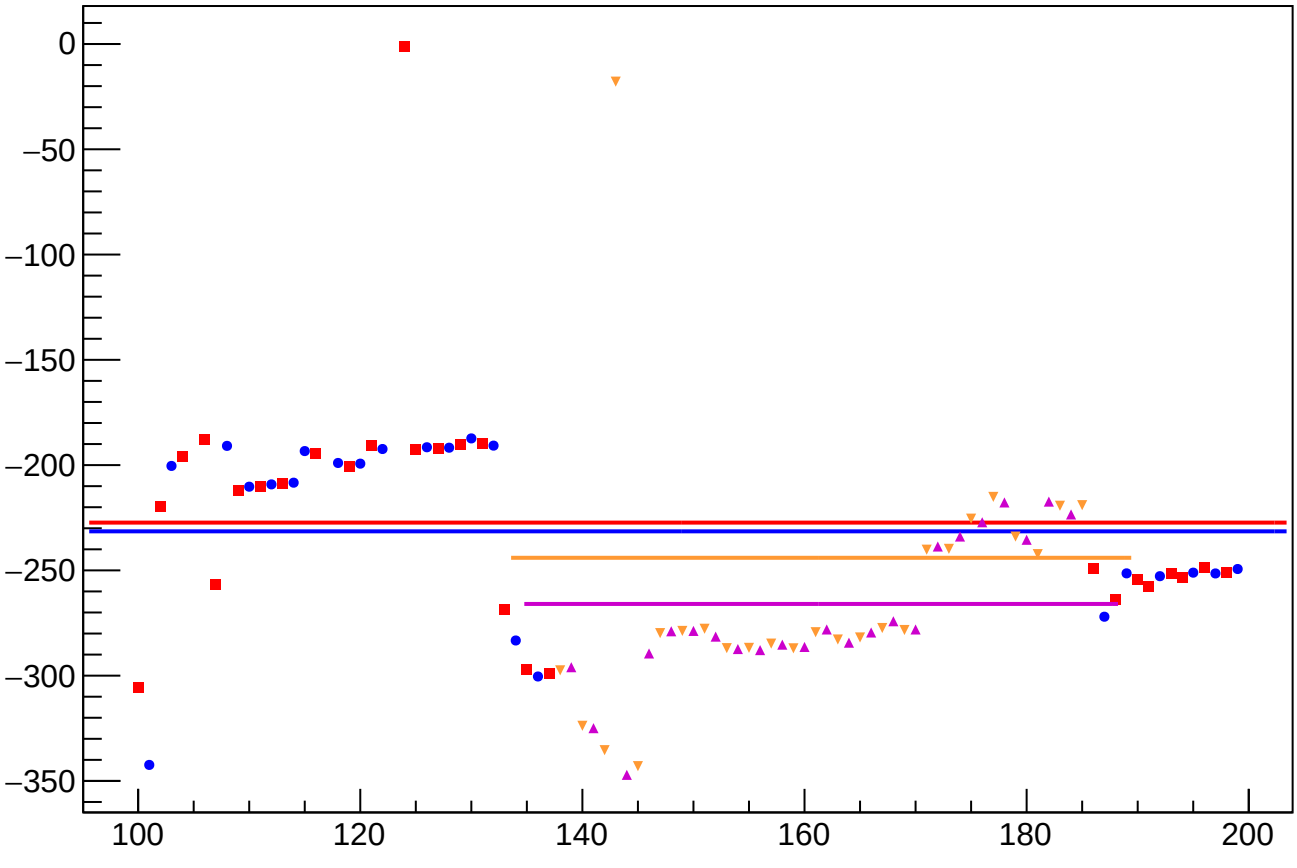
Left: 131.406+/-1.211 χ^2/NDF: 1235.7/47

Right: 89.907+/-1.423 χ^2/NDF: 642.0/48

In: 119.168+/-1.336 χ^2/NDF:879.8/44

Out: 109.227+/-1.275 χ^2/NDF:1462.2/51

All: 113.967+/-0.922 χ^2/NDF: 2370.9/96



Right In: -231.458+/-0.118 χ^2/NDF: 133518.8/21

Left Out: -244.021+/-0.077 χ^2/NDF:997959.6/24

Right Out: -227.309+/-0.113 χ^2/NDF: 106880.0/26

Left In: -265.945+/-0.081 χ^2/NDF:169943.2/22

Left: -254.542+/-0.056 χ^2/NDF: 1206480.5/47

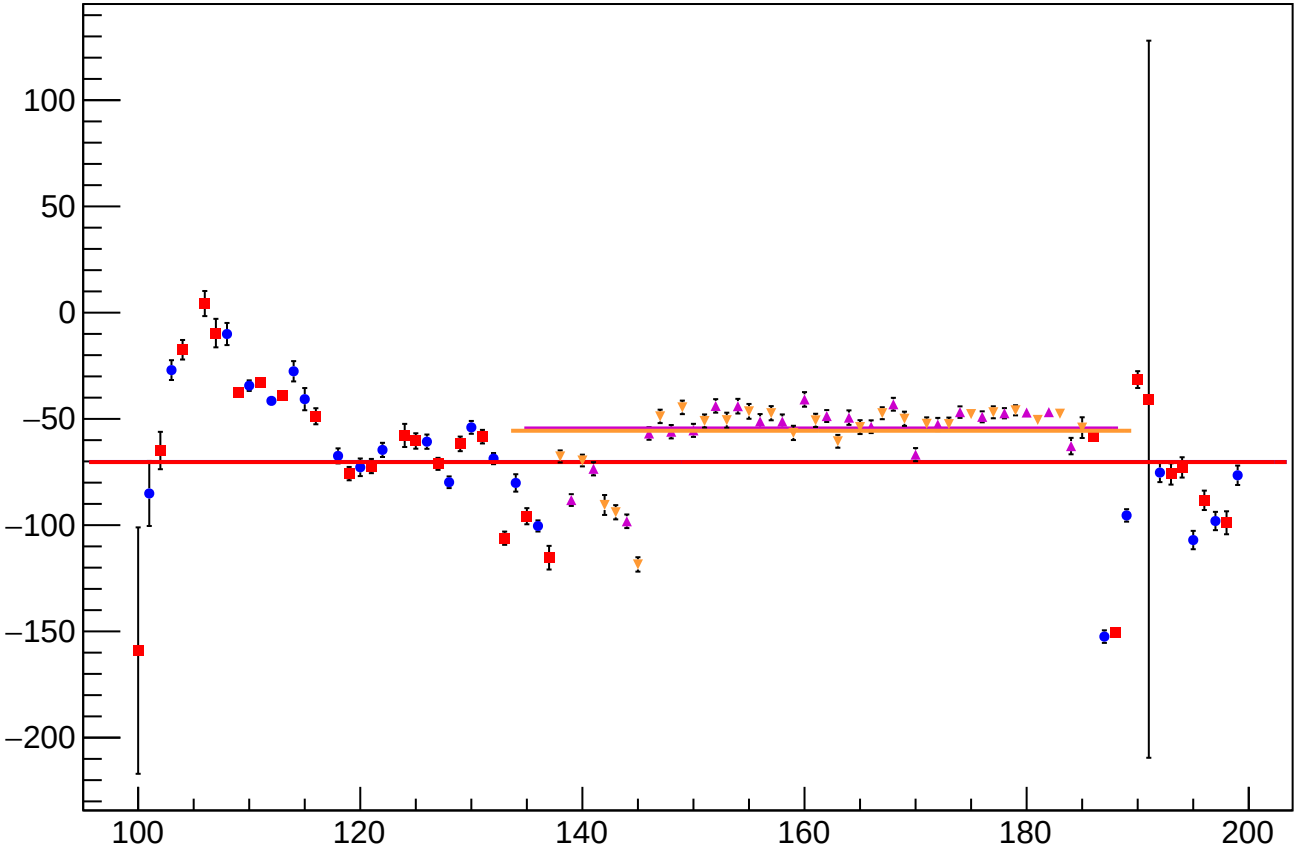
Right: -229.288+/-0.081 χ^2/NDF: 241047.3/48

In: -254.971+/-0.066 χ^2/NDF:361861.3/44

Out: -238.660+/-0.064 χ^2/NDF:1119819.5/51

All: -246.473+/-0.046 χ^2/NDF: 1513051.9/96

reg_asym_atr1_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -70.269+/-0.727 χ^2/NDF: 1874.4/21

Left Out: -55.575+/-0.590 χ^2/NDF:686.5/24

Right Out: -70.315+/-0.635 χ^2/NDF: 3758.9/26

Left In: -54.499+/-0.606 χ^2/NDF:500.4/22

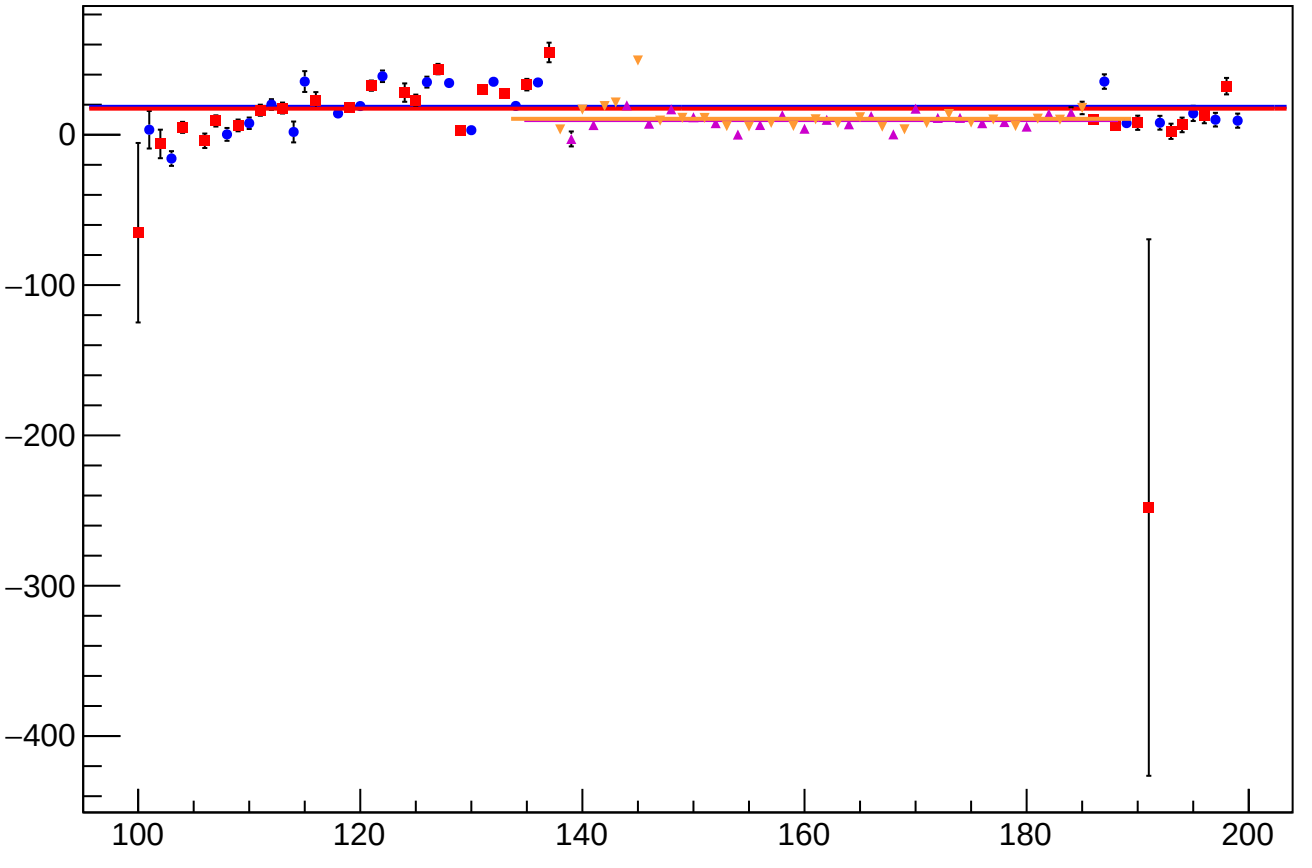
Left: -55.052+/-0.423 χ^2/NDF: 1188.5/47

Right: -70.295+/-0.478 χ^2/NDF: 5633.2/48

In: -60.963+/-0.466 χ^2/NDF:2652.1/44

Out: -62.409+/-0.432 χ^2/NDF:4734.7/51

All: -61.740+/-0.317 χ^2/NDF: 7392.0/96



Right In: 18.582+/-0.779 χ^2/NDF: 286.3/21

Left Out: 10.603+/-0.449 χ^2/NDF:255.2/24

Right Out: 17.364+/-0.710 χ^2/NDF: 301.1/26

Left In: 9.765+/-0.467 χ^2/NDF:121.0/22

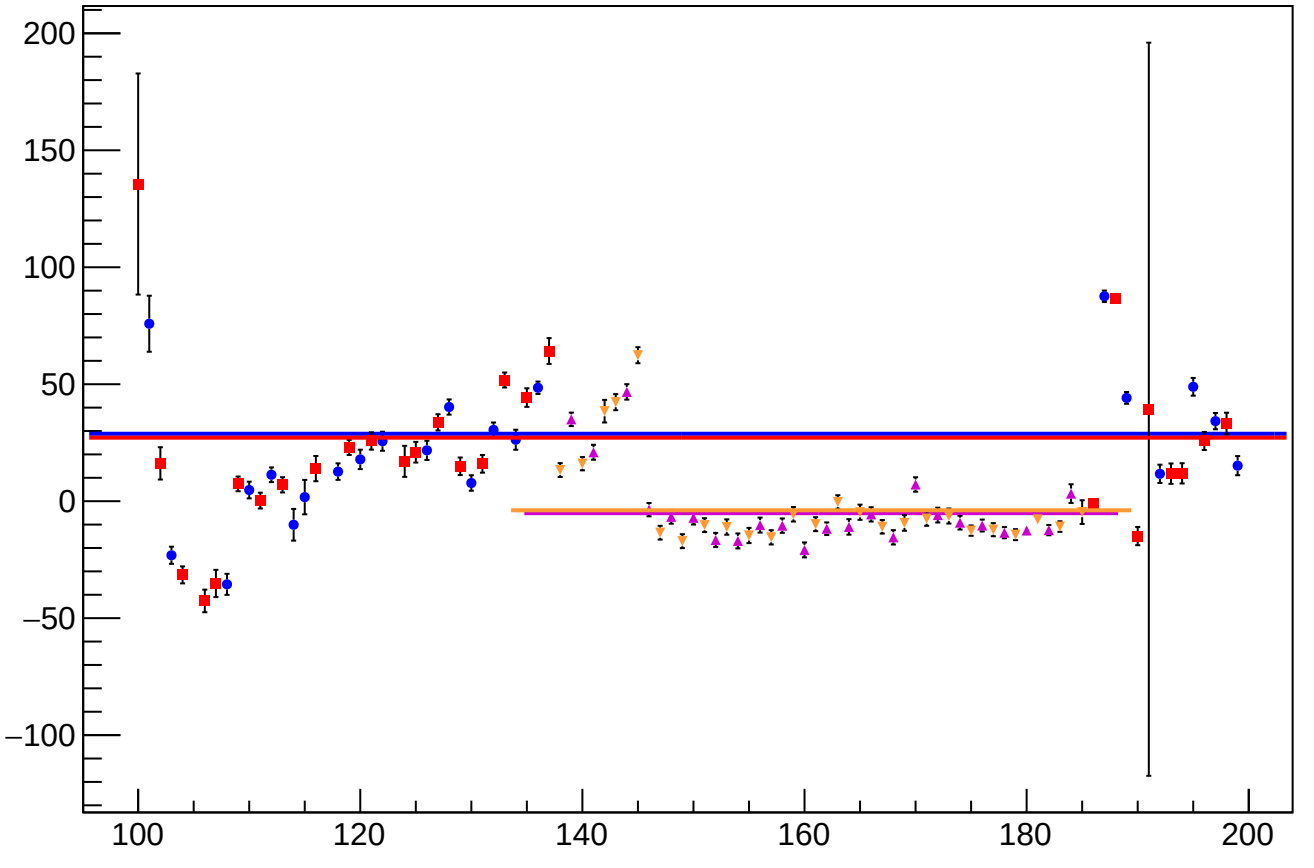
Left: 10.200+/-0.324 χ^2/NDF: 377.8/47

Right: 17.917+/-0.525 χ^2/NDF: 588.8/48

In: 12.094+/-0.401 χ^2/NDF:501.5/44

Out: 12.535+/-0.380 χ^2/NDF:621.0/51

All: 12.326+/-0.276 χ^2/NDF: 1123.1/96



Right In: 28.823+/-0.767 χ^2/NDF: 1368.0/21

Left Out: -3.895+/-0.585 χ^2/NDF:850.2/24

Right Out: 27.148+/-0.640 χ^2/NDF: 3281.1/26

Left In: -5.124+/-0.600 χ^2/NDF:649.7/22

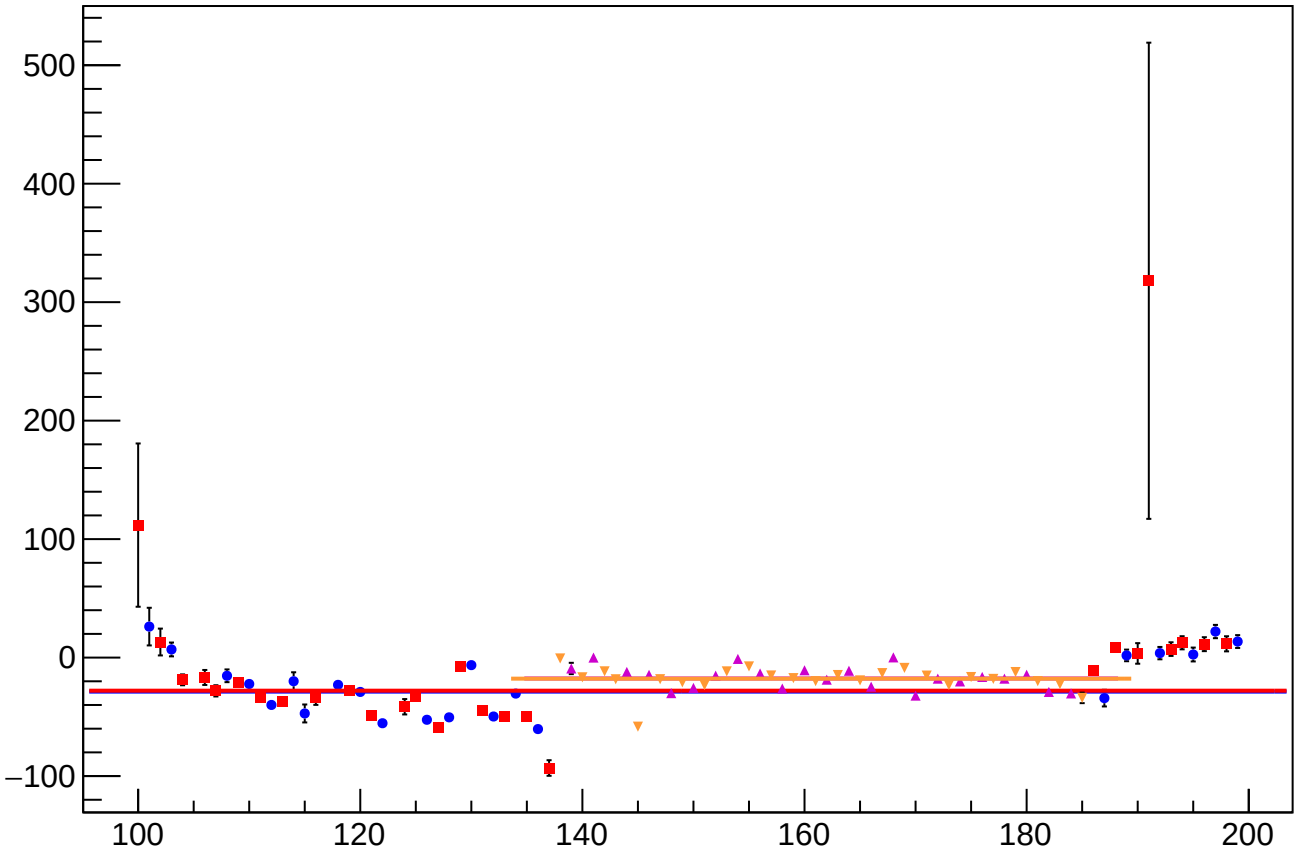
Left: -4.494+/-0.419 χ^2/NDF: 1502.0/47

Right: 27.836+/-0.492 χ^2/NDF: 4651.9/48

In: 7.747+/-0.472 χ^2/NDF:3233.1/44

Out: 10.235+/-0.432 χ^2/NDF:5412.7/51

All: 9.102+/-0.319 χ^2/NDF: 8660.8/96



Right In: -28.706+/-0.908 χ^2/NDF: 634.9/21

Left Out: -17.776+/-0.509 χ^2/NDF:251.6/24

Right Out: -27.931+/-0.855 χ^2/NDF: 712.3/26

Left In: -17.643+/-0.526 χ^2/NDF:285.9/22

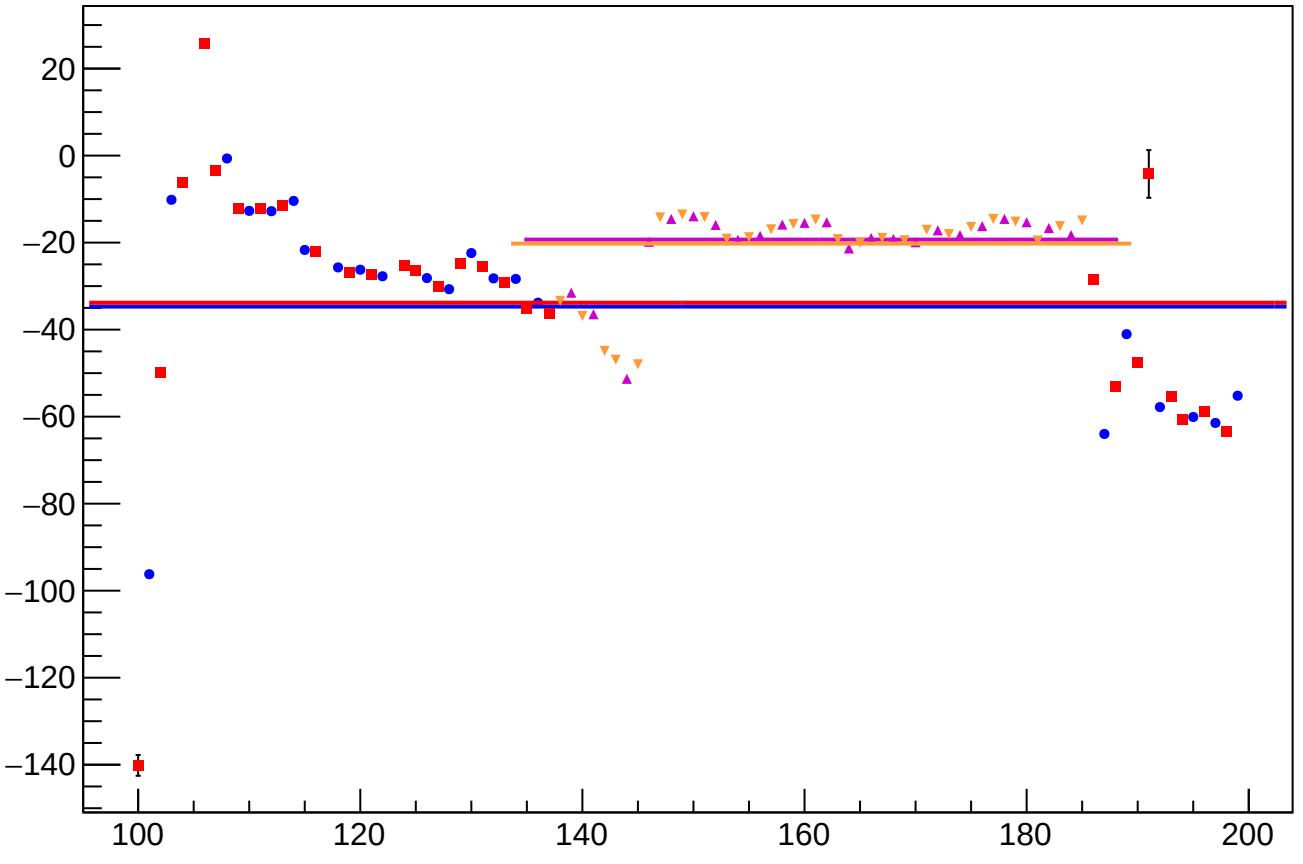
Left: -17.712+/-0.366 χ^2/NDF: 537.5/47

Right: -28.295+/-0.622 χ^2/NDF: 1347.6/48

In: -20.423+/-0.455 χ^2/NDF:1032.0/44

Out: -20.433+/-0.437 χ^2/NDF:1068.1/51

All: -20.428+/-0.315 χ^2/NDF: 2100.1/96



Right In: -34.700+/-0.046 χ^2/NDF: 175944.8/21

Left Out: -20.227+/-0.023 χ^2/NDF:147352.7/24

Right Out: -33.806+/-0.046 χ^2/NDF: 242120.4/26

Left In: -19.310+/-0.023 χ^2/NDF:93090.9/22

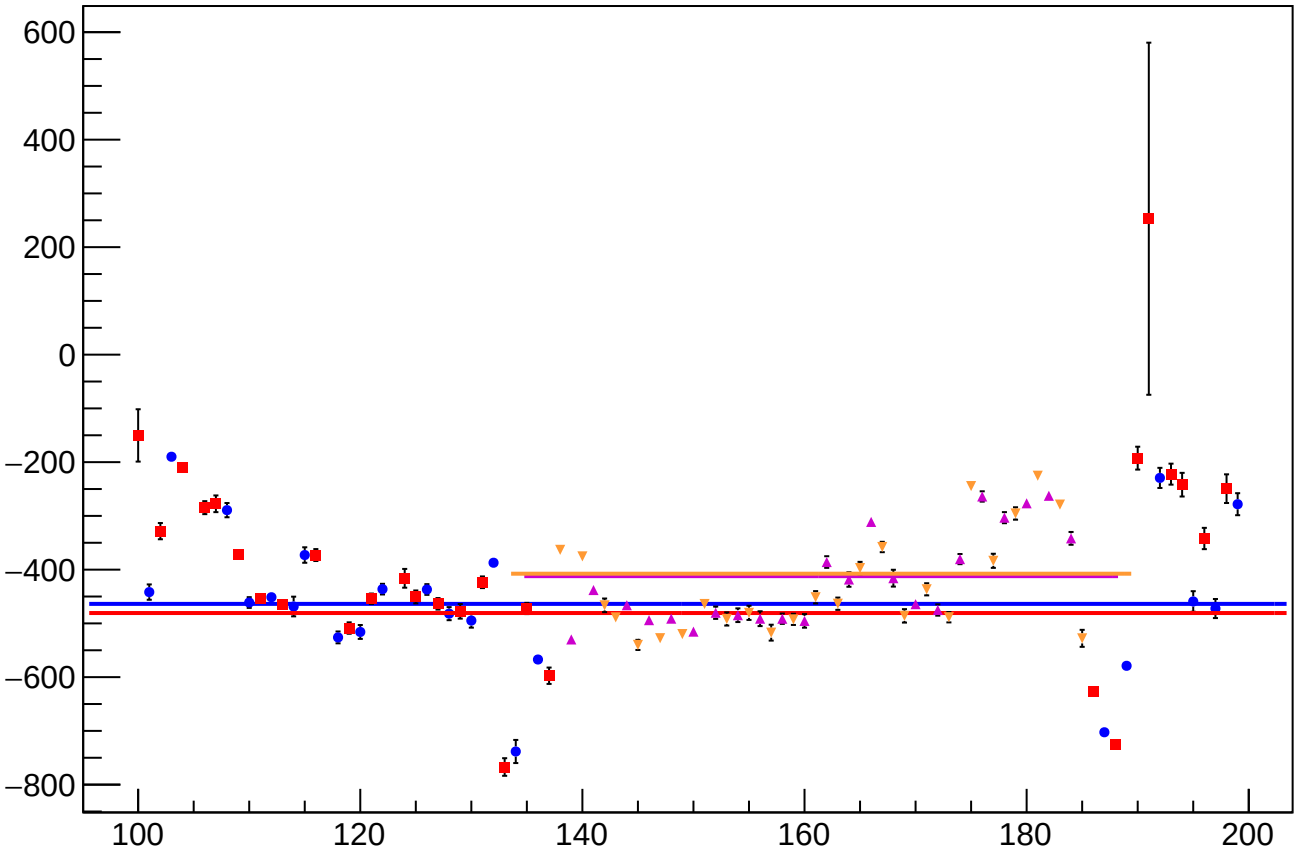
Left: -19.776+/-0.016 χ^2/NDF: 241234.1/47

Right: -34.247+/-0.033 χ^2/NDF: 418253.1/48

In: -22.396+/-0.021 χ^2/NDF:356796.2/44

Out: -22.930+/-0.020 χ^2/NDF:459731.1/51

All: -22.668+/-0.015 χ^2/NDF: 816861.8/96



Right In: -463.702+/-2.402 χ^2/NDF: 2706.0/21

Left Out: -407.554+/-1.951 χ^2/NDF:2872.6/24

Right Out: -480.714+/-2.100 χ^2/NDF: 5842.8/26

Left In: -412.102+/-2.008 χ^2/NDF:2182.3/22

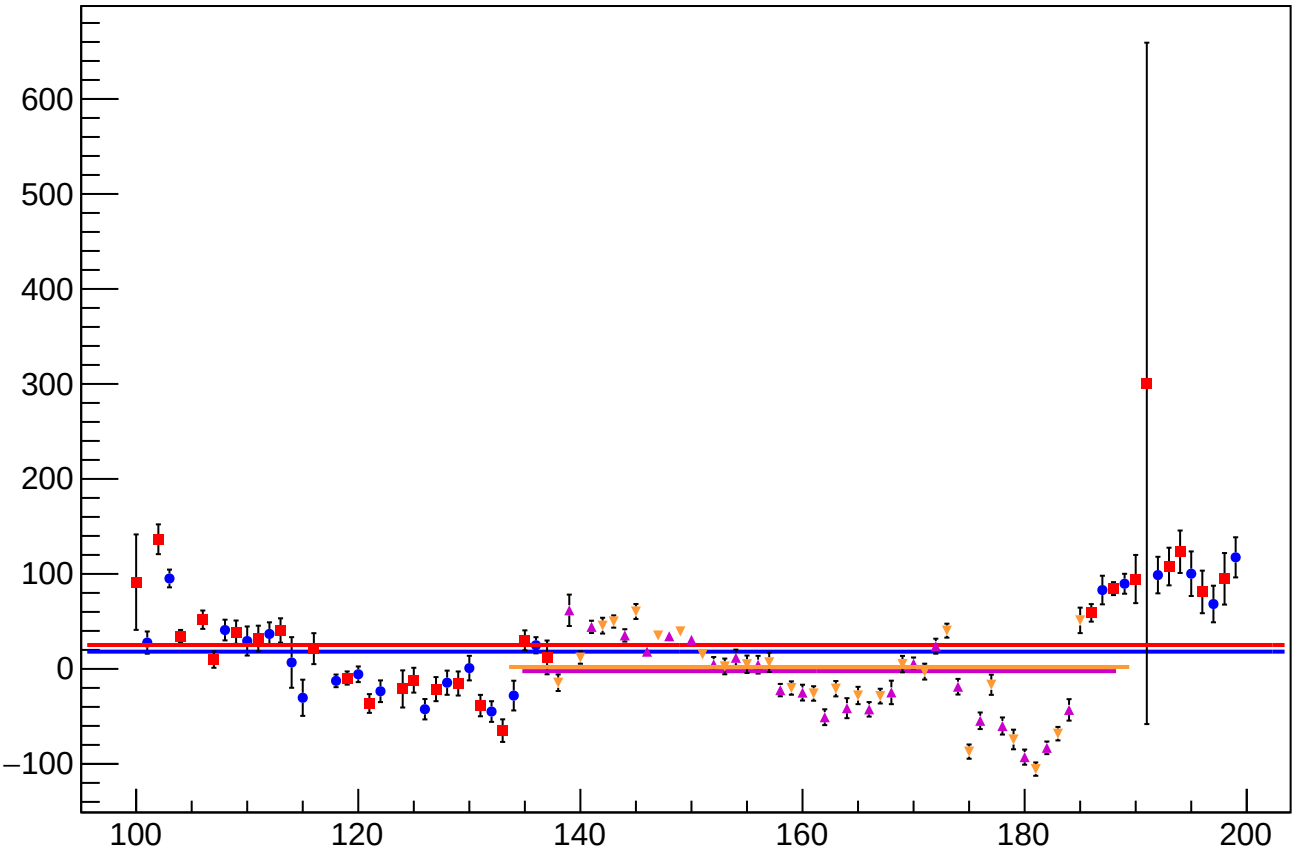
Left: -409.762+/-1.399 χ^2/NDF: 5057.5/47

Right: -473.346+/-1.581 χ^2/NDF: 8577.2/48

In: -433.328+/-1.541 χ^2/NDF:5159.9/44

Out: -441.448+/-1.429 χ^2/NDF:9366.8/51

All: -437.693+/-1.048 χ^2/NDF: 14541.6/96



Right In: 18.177+/-2.521 χ^2/NDF: 332.2/21

Left Out: 2.035+/-1.426 χ^2/NDF:910.7/24

Right Out: 25.188+/-2.260 χ^2/NDF: 406.3/26

Left In: -2.365+/-1.482 χ^2/NDF:733.4/22

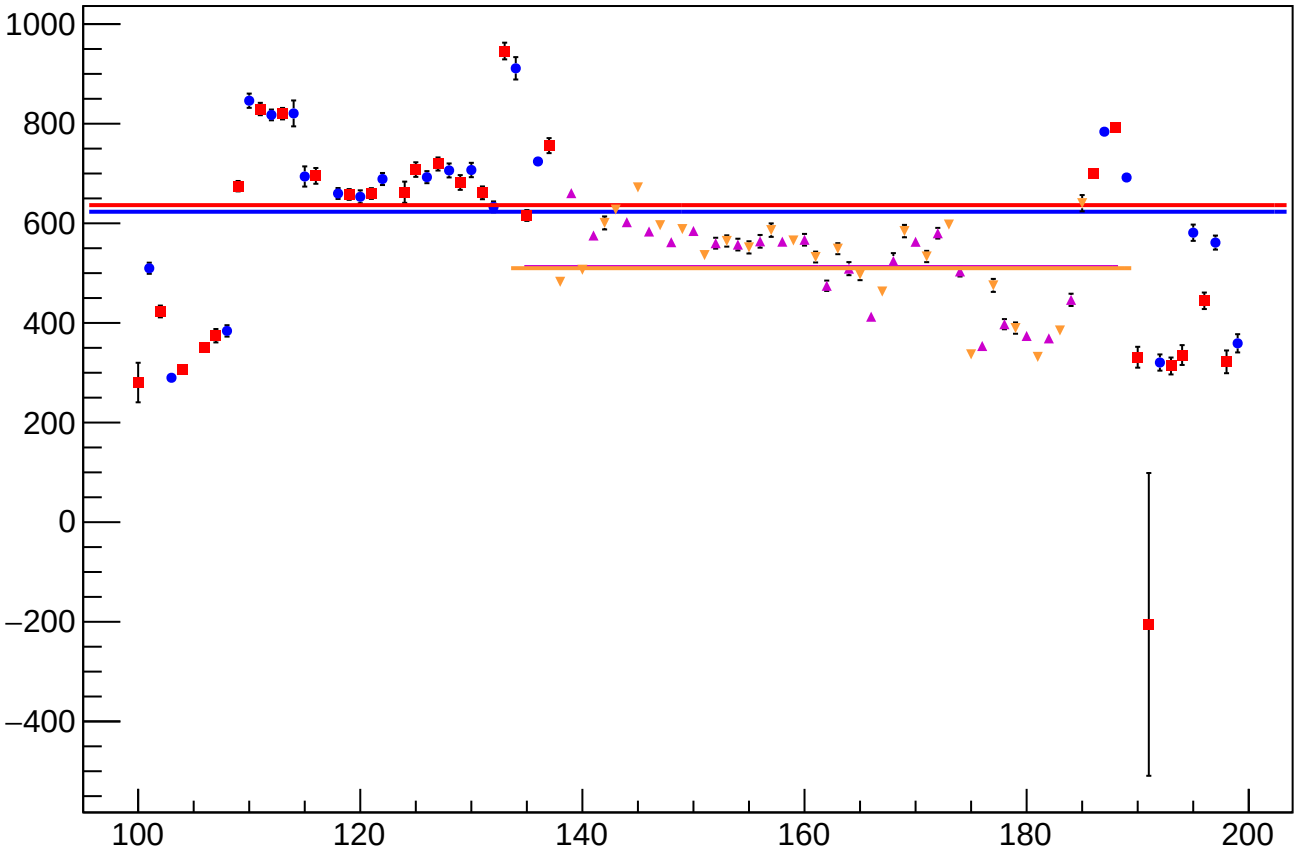
Left: -0.080+/-1.028 χ^2/NDF: 1648.7/47

Right: 22.064+/-1.683 χ^2/NDF: 742.8/48

In: 2.912+/-1.278 χ^2/NDF:1114.9/44

Out: 8.627+/-1.206 χ^2/NDF:1392.1/51

All: 5.935+/-0.877 χ^2/NDF: 2517.6/96



Right In: 623.247+/-2.434 χ^2/NDF: 5013.6/21

Left Out: 509.912+/-1.936 χ^2/NDF:2662.6/24

Right Out: 636.510+/-2.053 χ^2/NDF: 8061.8/26

Left In: 512.270+/-1.984 χ^2/NDF:2087.6/22

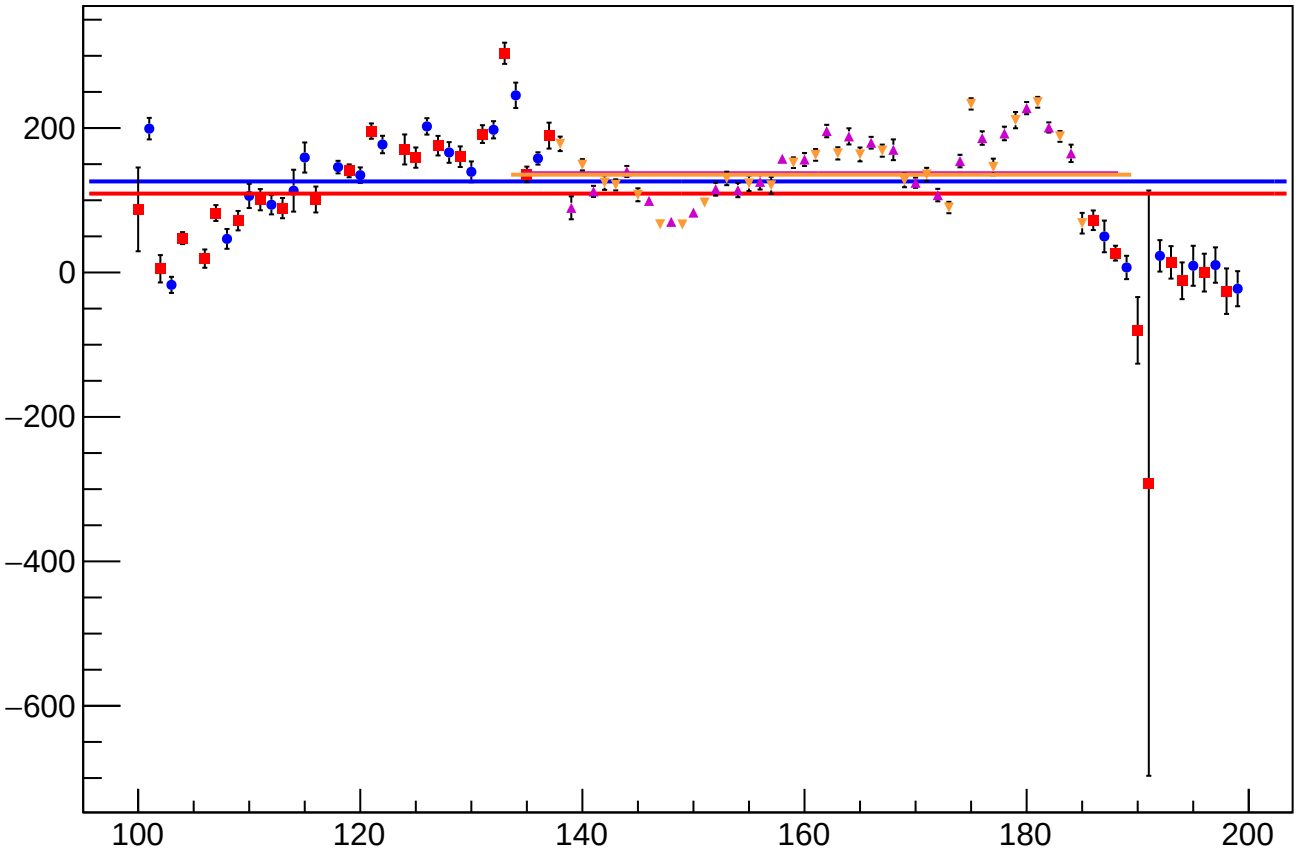
Left: 511.062+/-1.385 χ^2/NDF: 4751.0/47

Right: 630.995+/-1.569 χ^2/NDF: 13092.8/48

In: 556.575+/-1.538 χ^2/NDF:8350.5/44

Out: 569.488+/-1.408 χ^2/NDF:12737.4/51

All: 563.597+/-1.039 χ^2/NDF: 21126.3/96



Right In: 126.085+/-2.970 χ^2/NDF: 572.1/21

Left Out: 135.407+/-1.649 χ^2/NDF:923.2/24

Right Out: 109.234+/-2.731 χ^2/NDF: 701.4/26

Left In: 137.374+/-1.702 χ^2/NDF:706.0/22

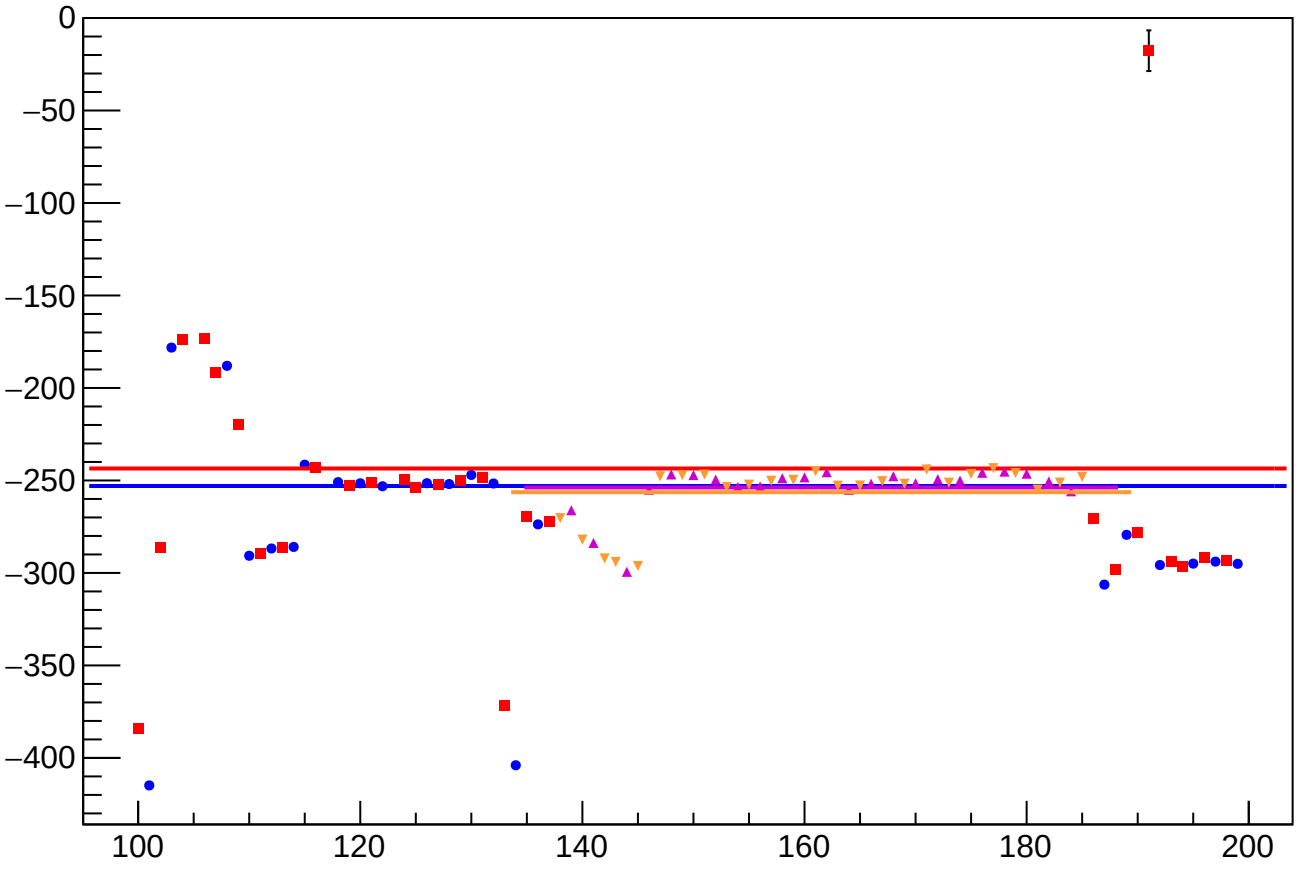
Left: 136.359+/-1.184 χ^2/NDF: 1629.8/47

Right: 116.955+/-2.010 χ^2/NDF: 1290.9/48

In: 134.582+/-1.477 χ^2/NDF:1288.9/44

Out: 128.416+/-1.412 χ^2/NDF:1691.9/51

All: 131.360+/-1.020 χ^2/NDF: 2989.9/96



Right In: -252.996+/-0.146 χ^2/NDF: 192179.1/21

Left Out: -256.344+/-0.077 χ^2/NDF:39513.4/24

Right Out: -243.531+/-0.139 χ^2/NDF: 137417.2/26

Left In: -253.817+/-0.078 χ^2/NDF:24076.7/22

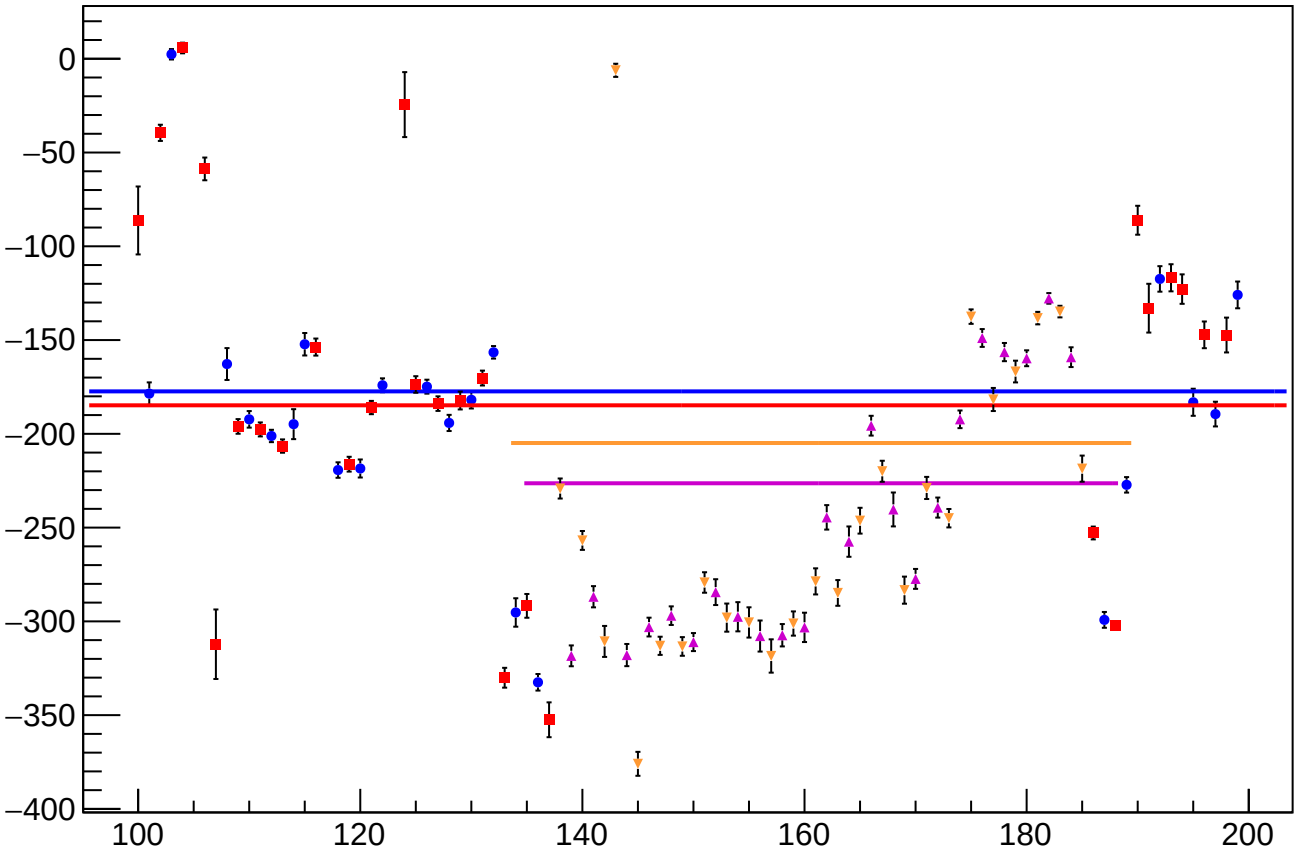
Left: -255.094+/-0.055 χ^2/NDF: 64122.7/47

Right: -248.047+/-0.101 χ^2/NDF: 331799.0/48

In: -253.635+/-0.069 χ^2/NDF:216280.5/44

Out: -253.345+/-0.067 χ^2/NDF:183411.1/51

All: -253.487+/-0.048 χ^2/NDF: 399700.7/96



Right In: -177.363+/-0.970 χ^2/NDF: 7090.9/21

Left Out: -204.891+/-1.052 χ^2/NDF:7826.3/24

Right Out: -184.794+/-0.881 χ^2/NDF: 11227.9/26

Left In: -226.365+/-1.105 χ^2/NDF:4219.0/22

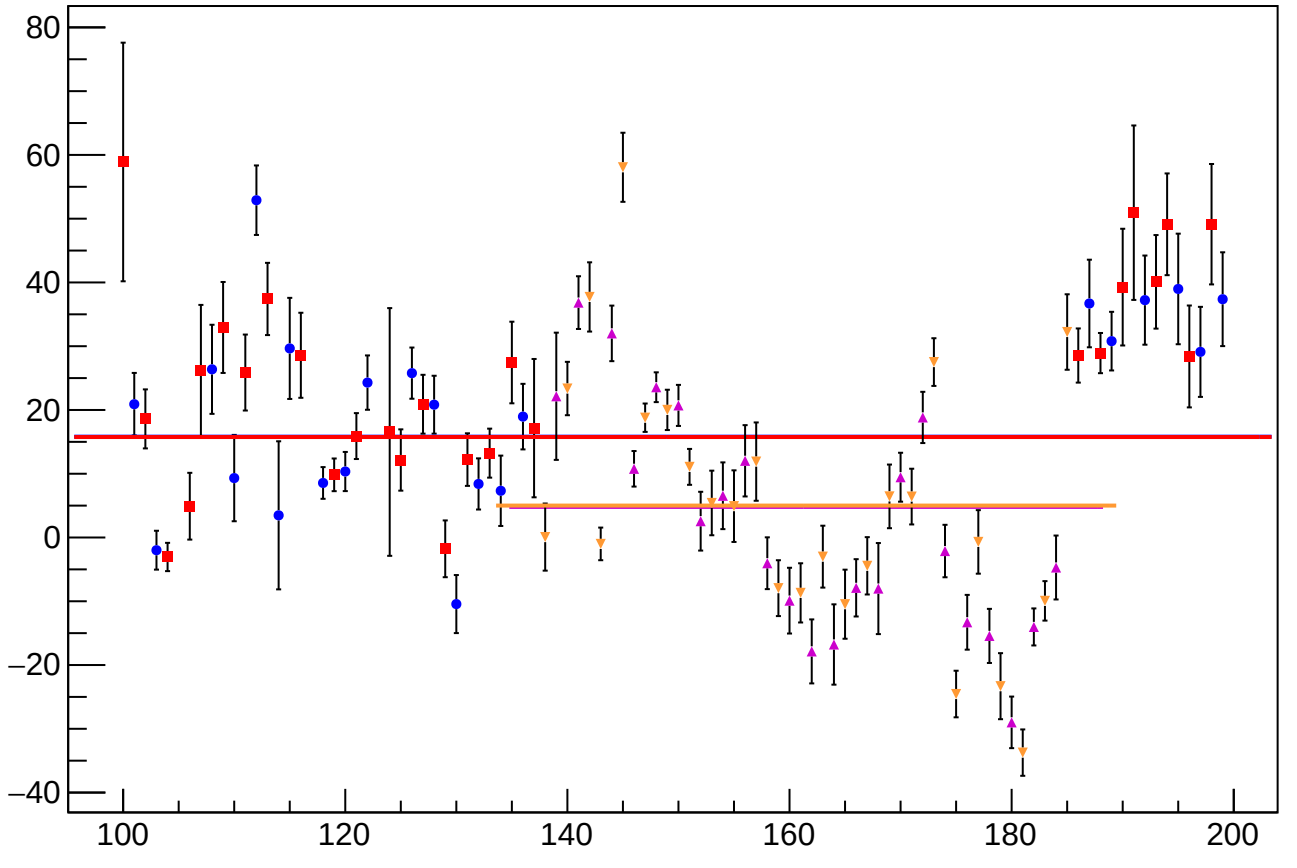
Left: -215.101+/-0.762 χ^2/NDF: 12243.4/47

Right: -181.438+/-0.652 χ^2/NDF: 18351.0/48

In: -198.697+/-0.729 χ^2/NDF:12420.4/44

Out: -193.073+/-0.675 χ^2/NDF:19268.8/51

All: -195.670+/-0.495 χ^2/NDF: 31721.2/96



Right In: 15.812+/-0.998 χ^2/NDF: 199.8/21

Left Out: 5.006+/-0.793 χ^2/NDF:548.5/24

Right Out: 15.756+/-0.926 χ^2/NDF: 220.3/26

Left In: 4.799+/-0.846 χ^2/NDF:426.3/22

Left: 4.909+/-0.579 χ^2/NDF: 974.8/47

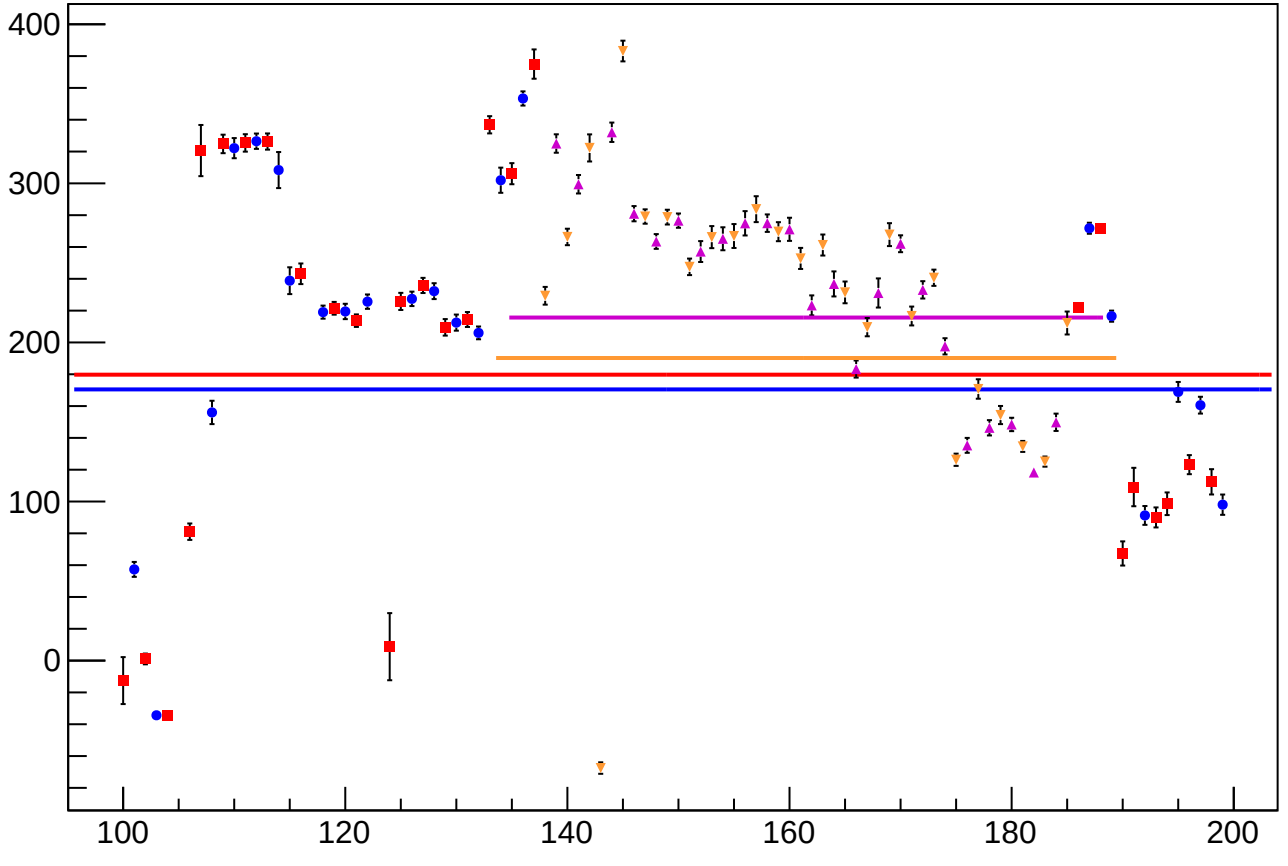
Right: 15.782+/-0.679 χ^2/NDF: 420.2/48

In: 9.406+/-0.646 χ^2/NDF:696.9/44

Out: 9.558+/-0.602 χ^2/NDF:846.6/51

All: 9.487+/-0.440 χ^2/NDF: 1543.6/96

reg_asym_atl_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 170.476+/-0.976 χ^2/NDF: 15367.1/21

Left Out: 190.219+/-1.050 χ^2/NDF:9384.0/24

Right Out: 179.735+/-0.856 χ^2/NDF: 20505.6/26

Left In: 215.649+/-1.098 χ^2/NDF:3886.0/22

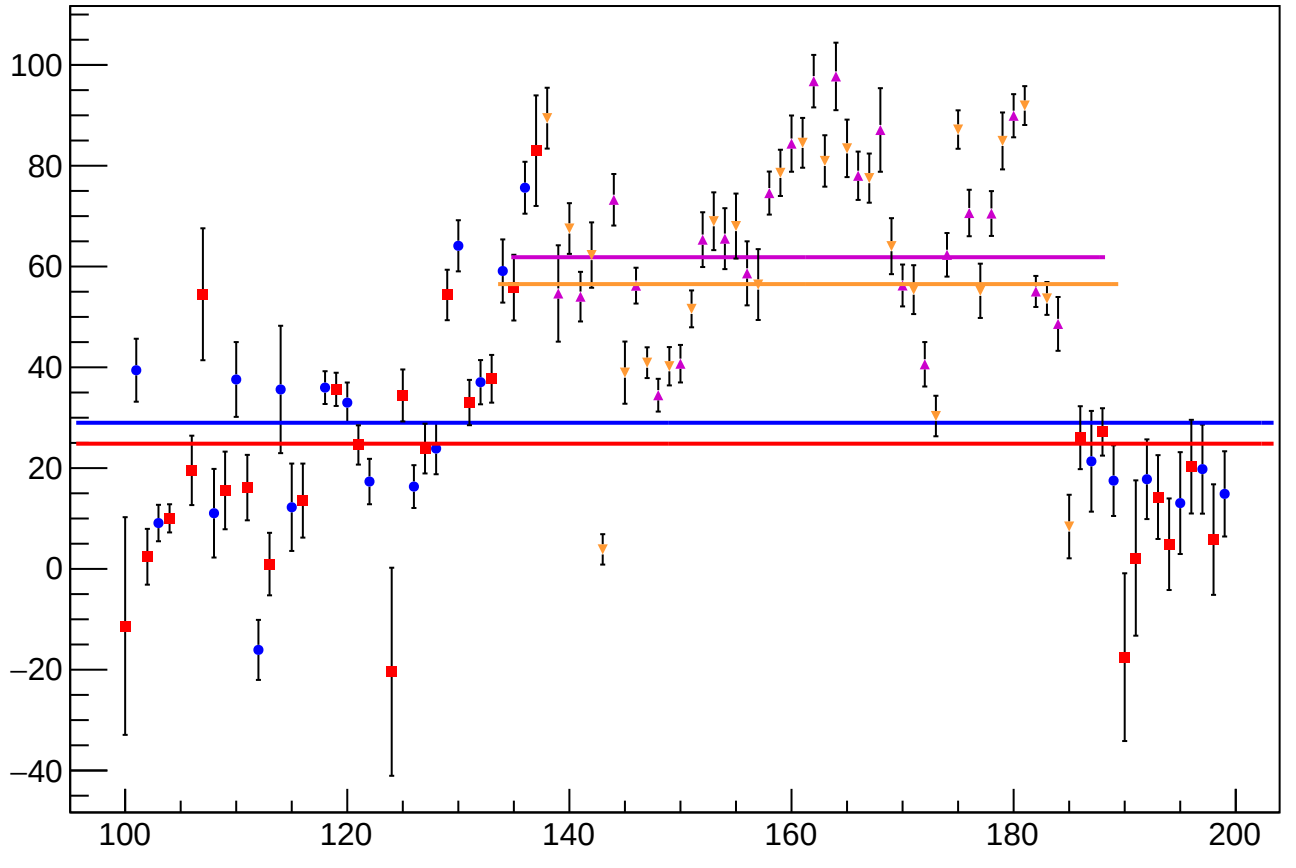
Left: 202.363+/-0.759 χ^2/NDF: 13550.1/47

Right: 175.706+/-0.644 χ^2/NDF: 35923.5/48

In: 190.401+/-0.729 χ^2/NDF:20198.7/44

Out: 183.923+/-0.664 χ^2/NDF:29949.4/51

All: 186.856+/-0.491 χ^2/NDF: 50191.2/96



Right In: 28.998+/-1.180 χ^2/NDF: 290.0/21

Left Out: 56.514+/-0.909 χ^2/NDF:798.9/24

Right Out: 24.846+/-1.115 χ^2/NDF: 207.2/26

Left In: 61.850+/-0.961 χ^2/NDF:320.7/22

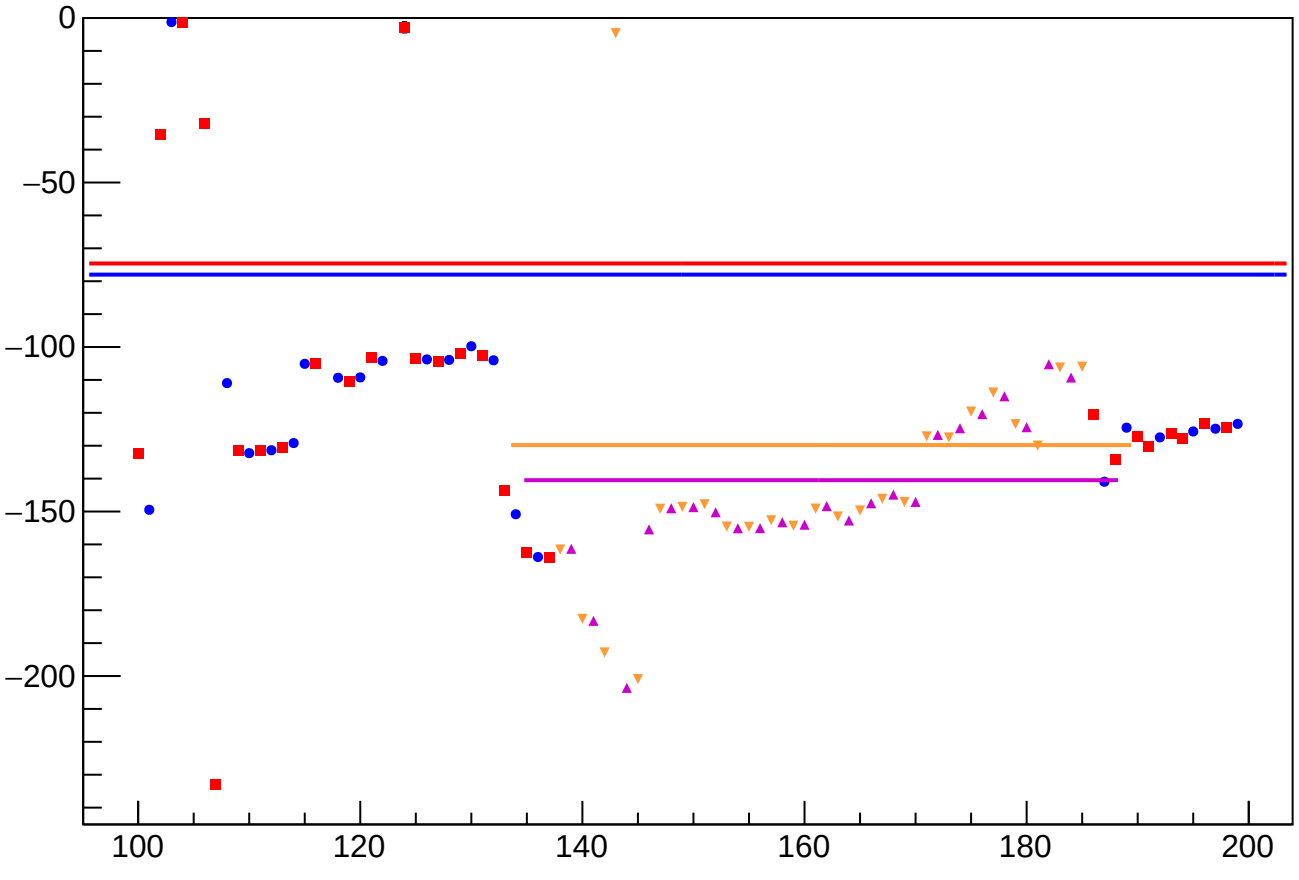
Left: 59.032+/-0.661 χ^2/NDF: 1135.8/47

Right: 26.805+/-0.810 χ^2/NDF: 503.7/48

In: 48.741+/-0.745 χ^2/NDF:1076.6/44

Out: 43.867+/-0.704 χ^2/NDF:1490.7/51

All: 46.167+/-0.512 χ^2/NDF: 2589.9/96



Right In: -77.993+/-0.056 χ^2/NDF: 1244916.7/21

Left Out: -129.810+/-0.042 χ^2/NDF:1025155.0/24

Right Out: -74.602+/-0.054 χ^2/NDF: 1179462.0/26

Left In: -140.477+/-0.044 χ^2/NDF:254660.0/22

Left: -134.957+/-0.030 χ^2/NDF: 1310696.7/47

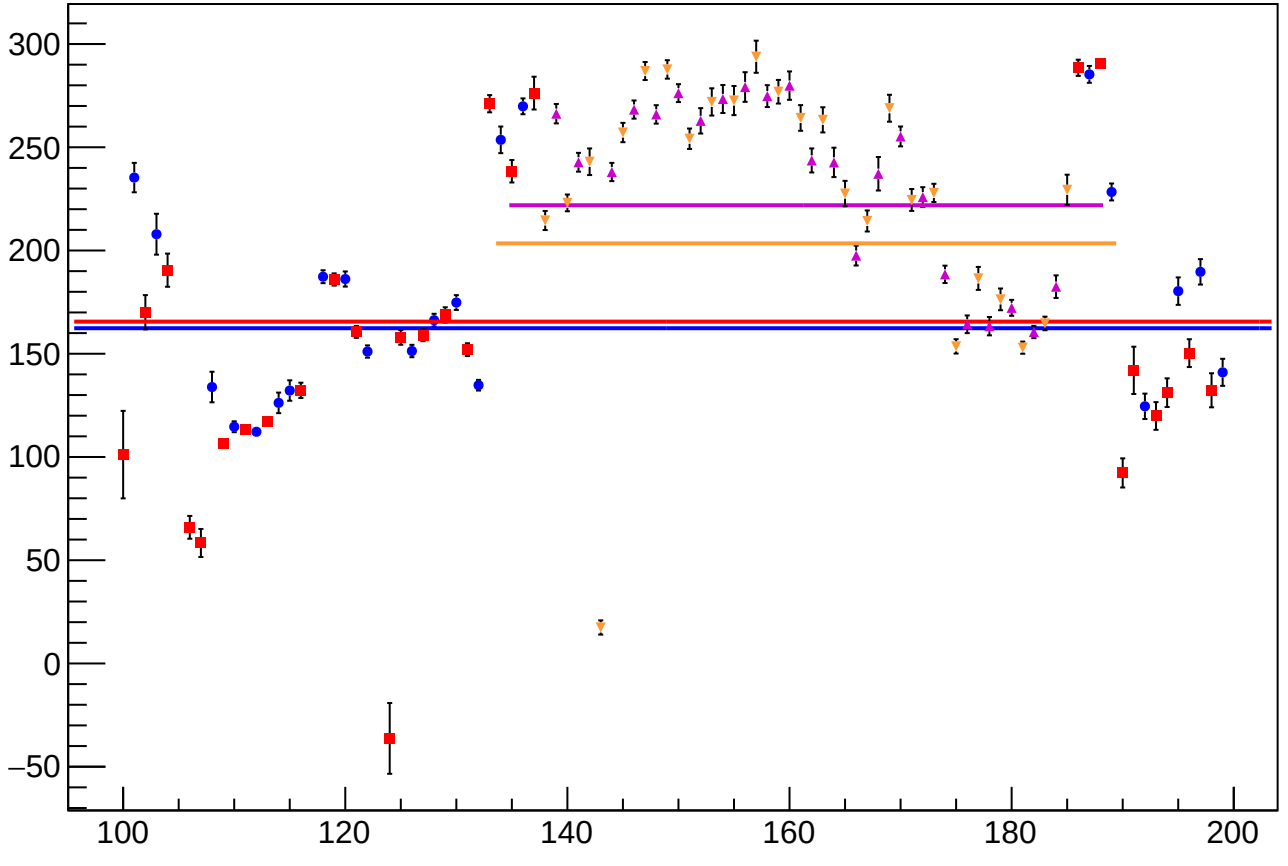
Right: -76.227+/-0.039 χ^2/NDF: 2426257.3/48

In: -117.088+/-0.035 χ^2/NDF:2265978.5/44

Out: -108.982+/-0.033 χ^2/NDF:2851403.5/51

All: -112.884+/-0.024 χ^2/NDF: 5145949.5/96

reg_asym_atl_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 162.359+/-0.805 χ^2/NDF: 3614.4/21

Left Out: 203.453+/-0.953 χ^2/NDF:5491.5/24

Right Out: 165.560+/-0.736 χ^2/NDF: 8043.4/26

Left In: 221.923+/-1.003 χ^2/NDF:1986.7/22

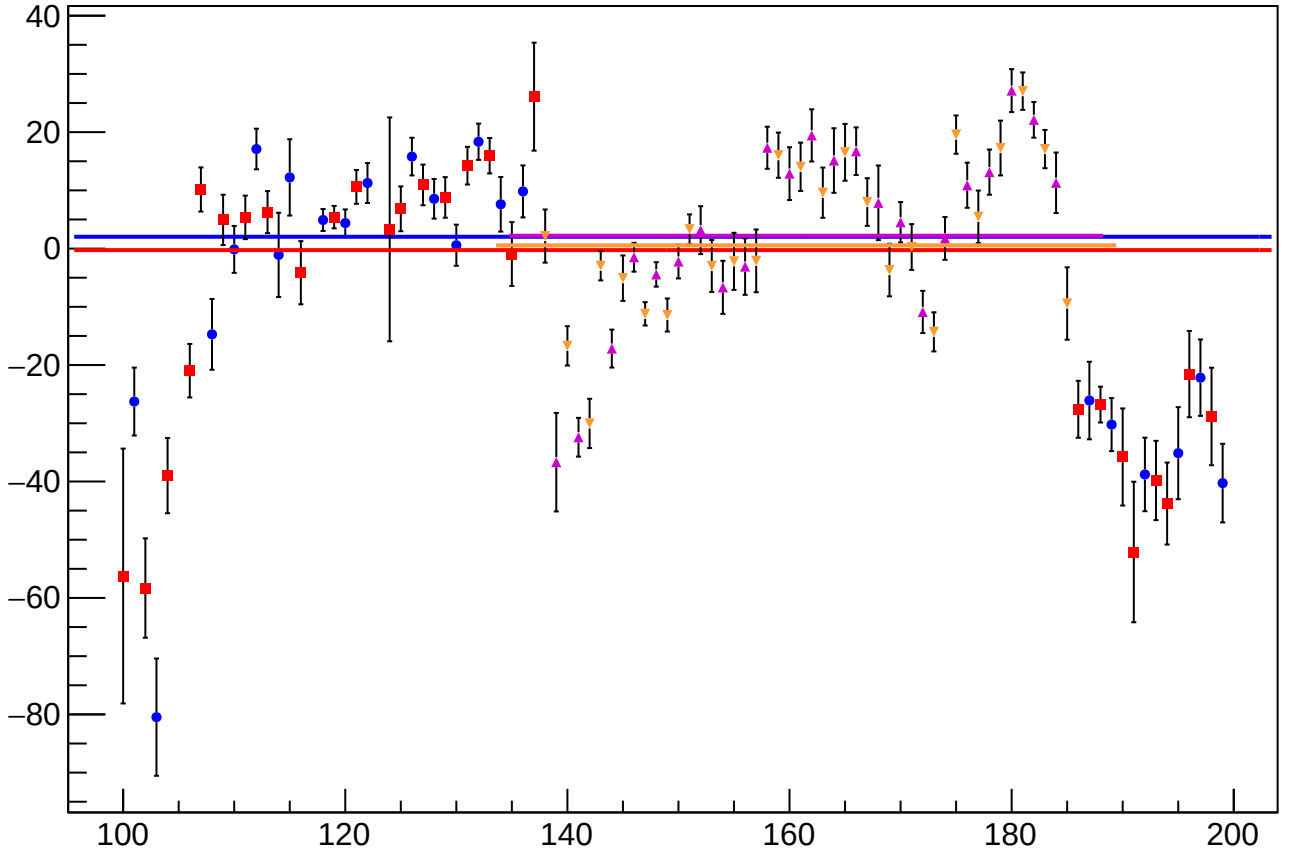
Left: 212.217+/-0.691 χ^2/NDF: 7656.5/47

Right: 164.104+/-0.543 χ^2/NDF: 11666.4/48

In: 185.706+/-0.628 χ^2/NDF:7745.8/44

Out: 179.710+/-0.582 χ^2/NDF:14525.6/51

All: 182.482+/-0.427 χ^2/NDF: 22320.4/96



Right In: 2.032+/-0.839 χ^2/NDF: 369.1/21

Left Out: 0.568+/-0.716 χ^2/NDF:345.4/24

Right Out: -0.262+/-0.815 χ^2/NDF: 458.0/26

Left In: 2.210+/-0.760 χ^2/NDF:358.2/22

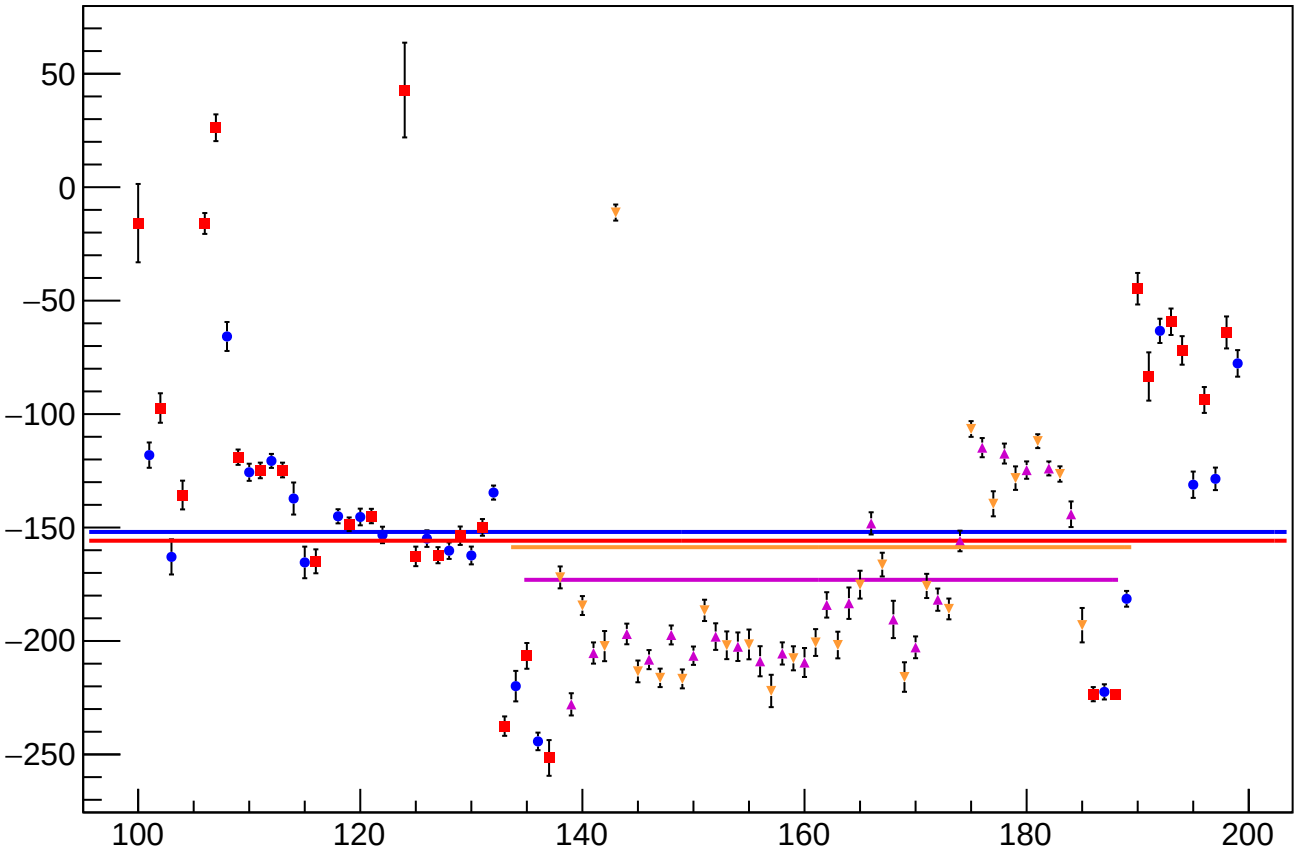
Left: 1.339+/-0.521 χ^2/NDF: 706.1/47

Right: 0.851+/-0.585 χ^2/NDF: 831.0/48

In: 2.130+/-0.563 χ^2/NDF:727.2/44

Out: 0.207+/-0.538 χ^2/NDF:804.1/51

All: 1.123+/-0.389 χ^2/NDF: 1537.4/96



Right In: -151.944+/-0.892 χ^2/NDF: 2088.5/21

Left Out: -158.658+/-0.951 χ^2/NDF:3491.8/24

Right Out: -155.814+/-0.797 χ^2/NDF: 6032.0/26

Left In: -173.043+/-0.996 χ^2/NDF:1399.9/22

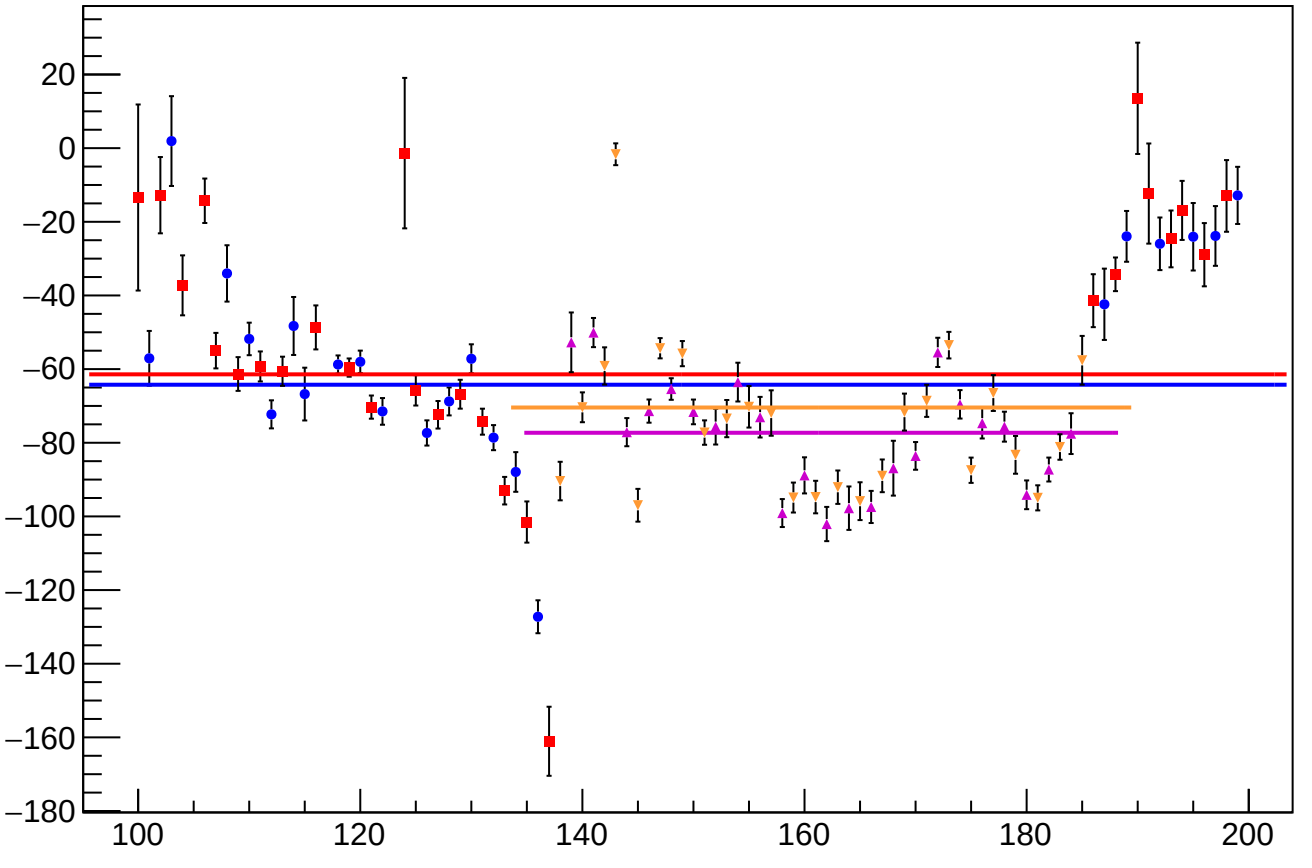
Left: -165.517+/-0.687 χ^2/NDF: 5000.9/47

Right: -154.095+/-0.594 χ^2/NDF: 8131.0/48

In: -161.338+/-0.664 χ^2/NDF:3737.6/44

Out: -156.989+/-0.611 χ^2/NDF:9529.0/51

All: -158.982+/-0.450 χ^2/NDF: 13289.8/96



Right In: -64.241+/-0.984 χ^2/NDF: 486.4/21

Left Out: -70.427+/-0.821 χ^2/NDF:901.6/24

Right Out: -61.421+/-0.959 χ^2/NDF: 553.4/26

Left In: -77.288+/-0.866 χ^2/NDF:254.3/22

Left: -73.677+/-0.596 χ^2/NDF: 1189.0/47

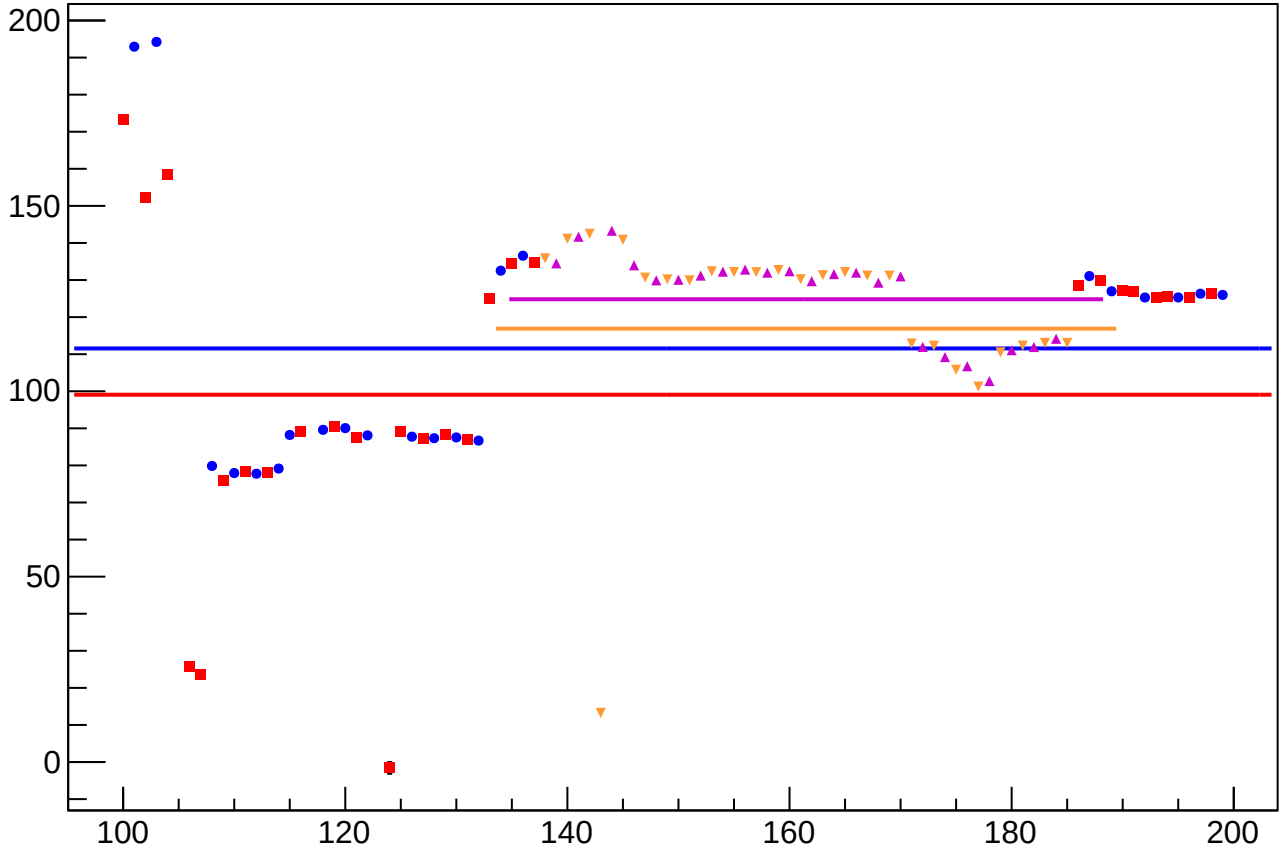
Right: -62.794+/-0.687 χ^2/NDF: 1044.0/48

In: -71.598+/-0.650 χ^2/NDF:839.8/44

Out: -66.616+/-0.624 χ^2/NDF:1505.9/51

All: -69.004+/-0.450 χ^2/NDF: 2376.2/96

reg_asym_atl_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 111.549+/-0.060 χ^2/NDF: 263850.1/21

Left Out: 116.881+/-0.038 χ^2/NDF:623110.0/24

Right Out: 99.069+/-0.055 χ^2/NDF: 477963.2/26

Left In: 124.819+/-0.039 χ^2/NDF:88116.2/22

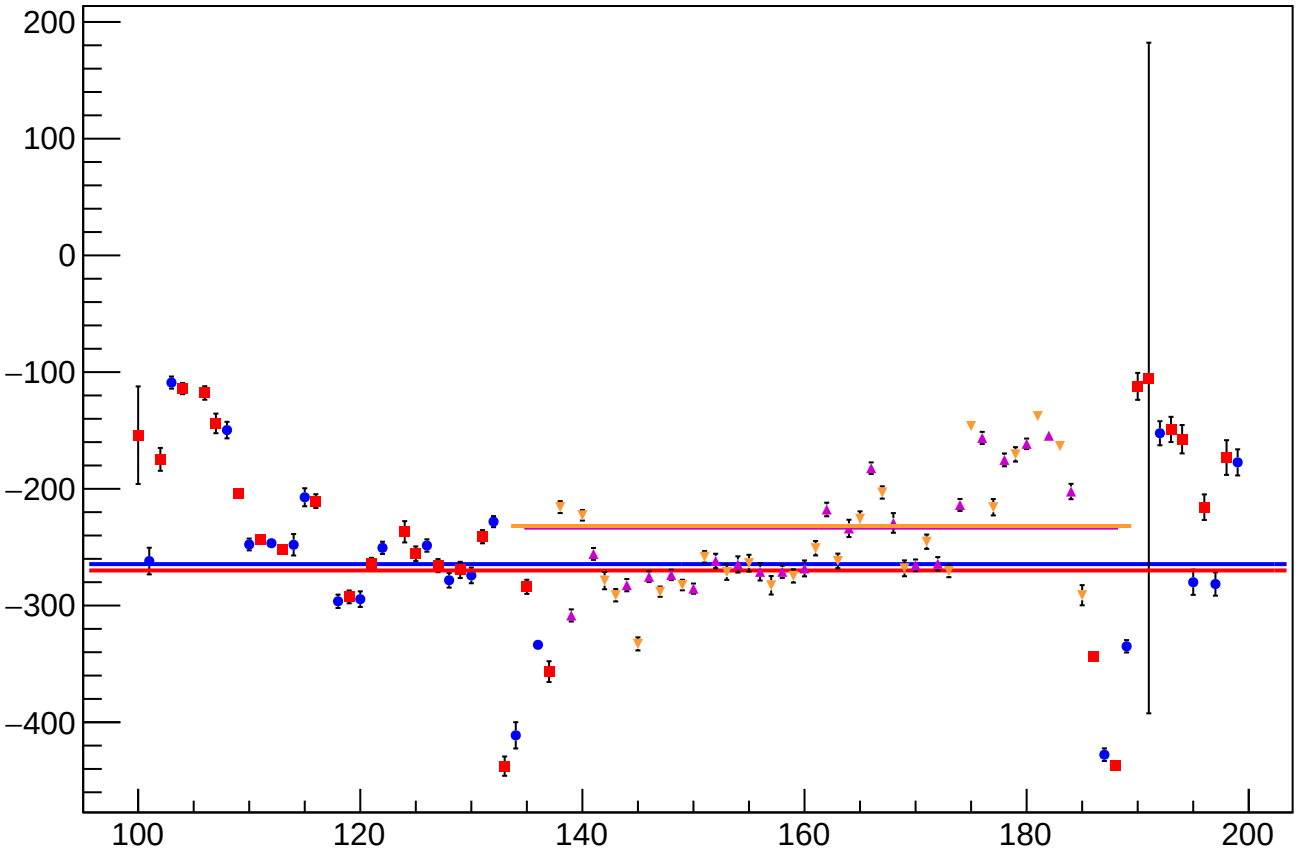
Left: 120.724+/-0.027 χ^2/NDF: 732240.4/47

Right: 104.818+/-0.041 χ^2/NDF: 765345.6/48

In: 120.807+/-0.033 χ^2/NDF:386385.4/44

Out: 111.136+/-0.031 χ^2/NDF:1171574.0/51

All: 115.747+/-0.023 χ^2/NDF: 1603310.3/96



Right In: -264.515+/-1.303 χ^2/NDF: 3096.0/21

Left Out: -231.847+/-1.080 χ^2/NDF:2676.6/24

Right Out: -269.947+/-1.133 χ^2/NDF: 7250.7/26

Left In: -233.258+/-1.108 χ^2/NDF:2067.0/22

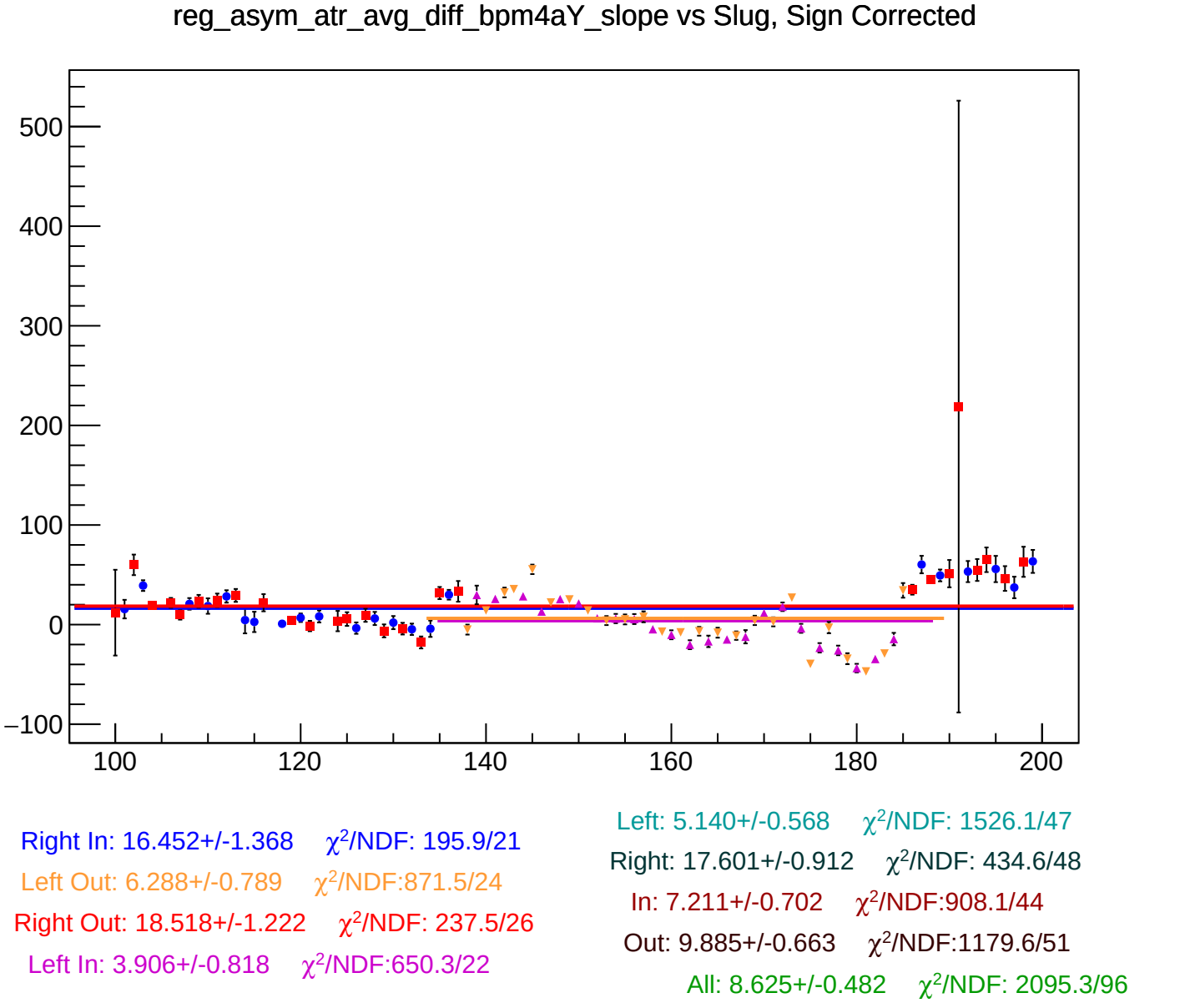
Left: -232.535+/-0.773 χ^2/NDF: 4744.4/47

Right: -267.609+/-0.855 χ^2/NDF: 10356.6/48

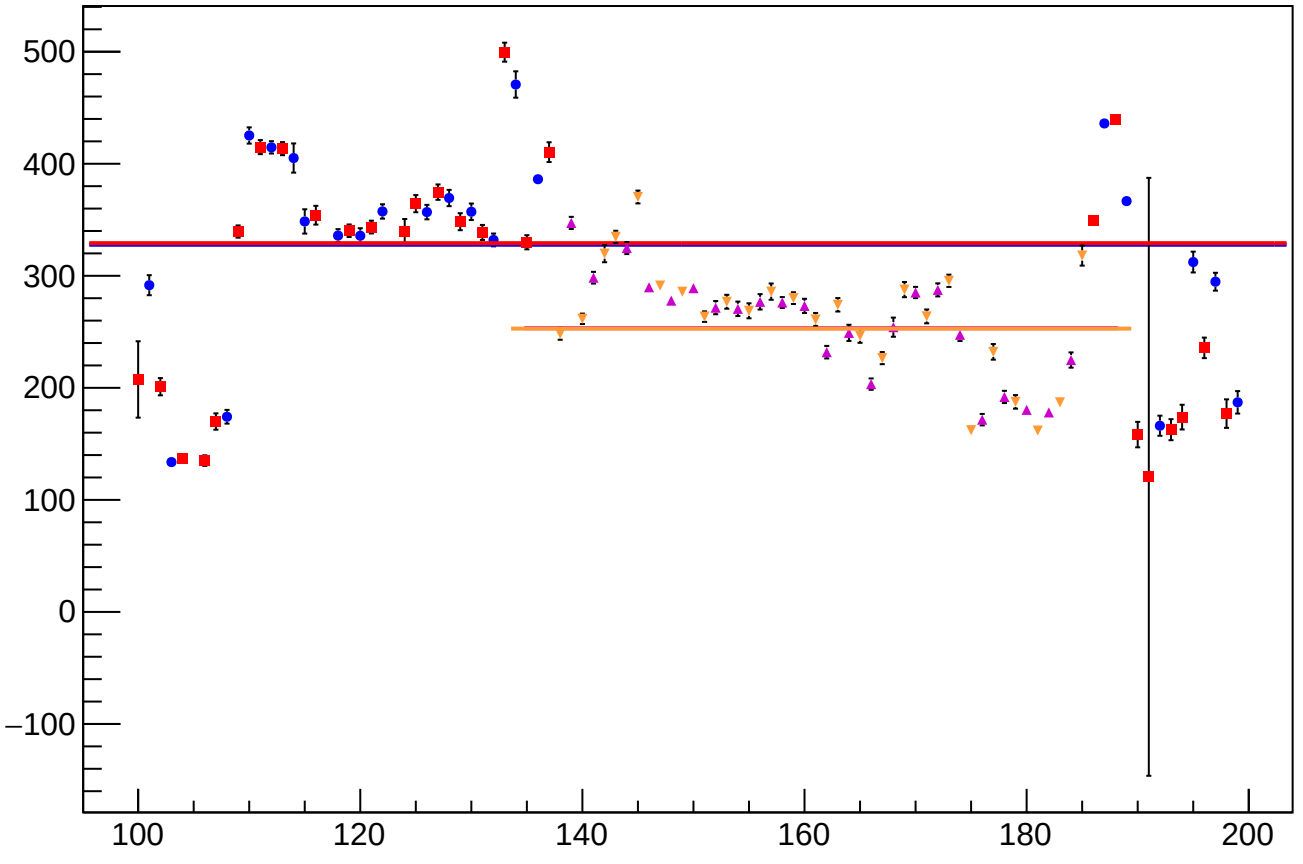
In: -246.368+/-0.844 χ^2/NDF:5497.0/44

Out: -249.992+/-0.782 χ^2/NDF:10519.8/51

All: -248.319+/-0.573 χ^2/NDF: 16026.8/96


reg_asym_atr_avg_diff_bpm4aY_slope vs Slug, Sign Corrected
500
400
300
200
100
0
−100
100
120
140
160
180
200
Right In: 16.452+/-1.368 χ²/NDF: 195.9/21
Left Out: 6.288+/-0.789 χ²/NDF:871.5/24
Right Out: 18.518+/-1.222 χ²/NDF: 237.5/26
Left In: 3.906+/-0.818 χ²/NDF:650.3/22
Left: 5.140+/-0.568 χ²/NDF: 1526.1/47
Right: 17.601+/-0.912 χ²/NDF: 434.6/48
In: 7.211+/-0.702 χ²/NDF:908.1/44
Out: 9.885+/-0.663 χ²/NDF:1179.6/51
All: 8.625+/-0.482 χ²/NDF: 2095.3/96

reg_asym_atr_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 327.720+/-1.350 χ^2/NDF: 5032.0/21

Left Out: 252.886+/-1.070 χ^2/NDF:2579.0/24

Right Out: 329.124+/-1.130 χ^2/NDF: 9305.0/26

Left In: 253.248+/-1.093 χ^2/NDF:2059.7/22

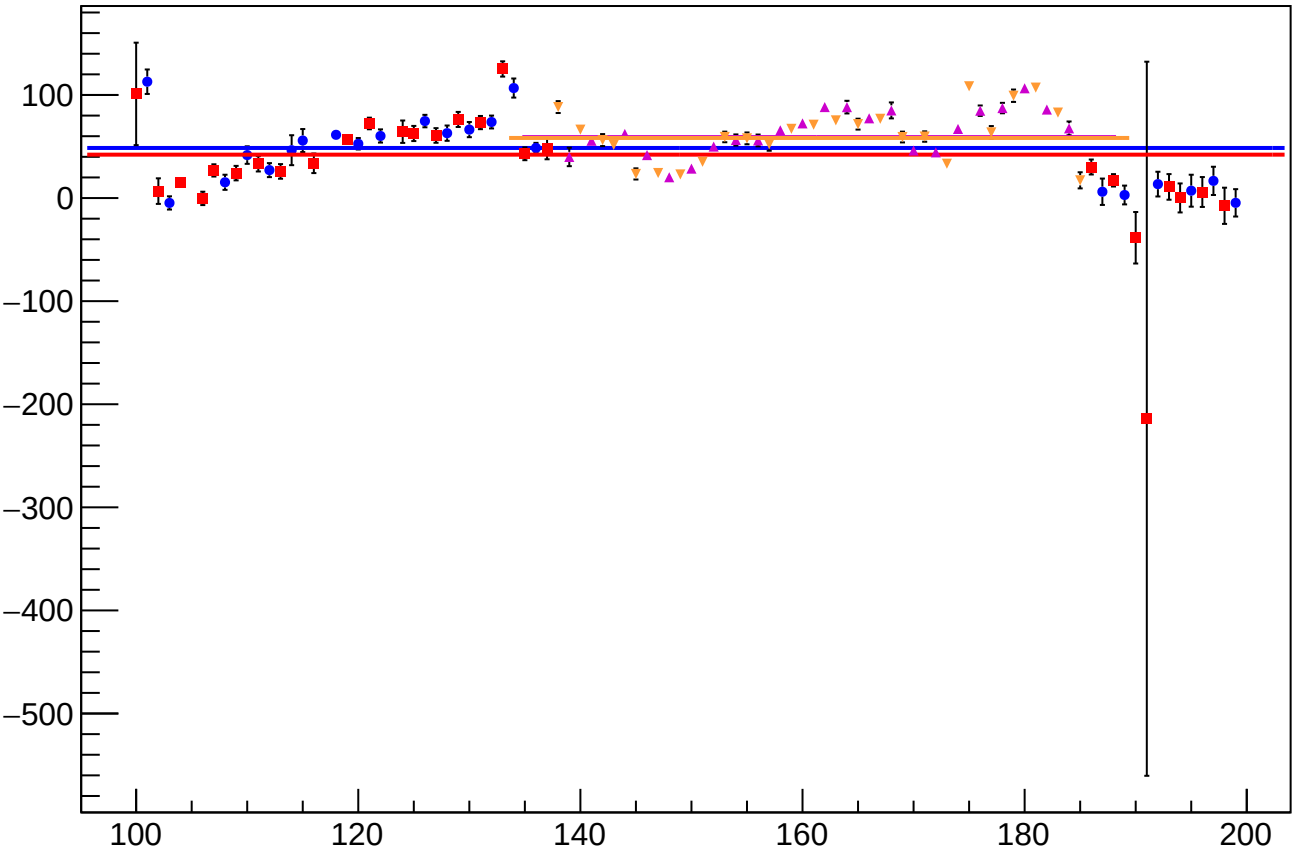
Left: 253.063+/-0.765 χ^2/NDF: 4638.7/47

Right: 328.546+/-0.867 χ^2/NDF: 14337.7/48

In: 282.743+/-0.850 χ^2/NDF:8929.0/44

Out: 288.945+/-0.777 χ^2/NDF:14283.1/51

All: 286.120+/-0.573 χ^2/NDF: 23241.1/96



Right In: 48.596+/-1.608 χ^2/NDF: 298.8/21

Left Out: 58.306+/-0.911 χ^2/NDF:850.2/24

Right Out: 42.103+/-1.472 χ^2/NDF: 394.2/26

Left In: 59.151+/-0.938 χ^2/NDF:632.4/22

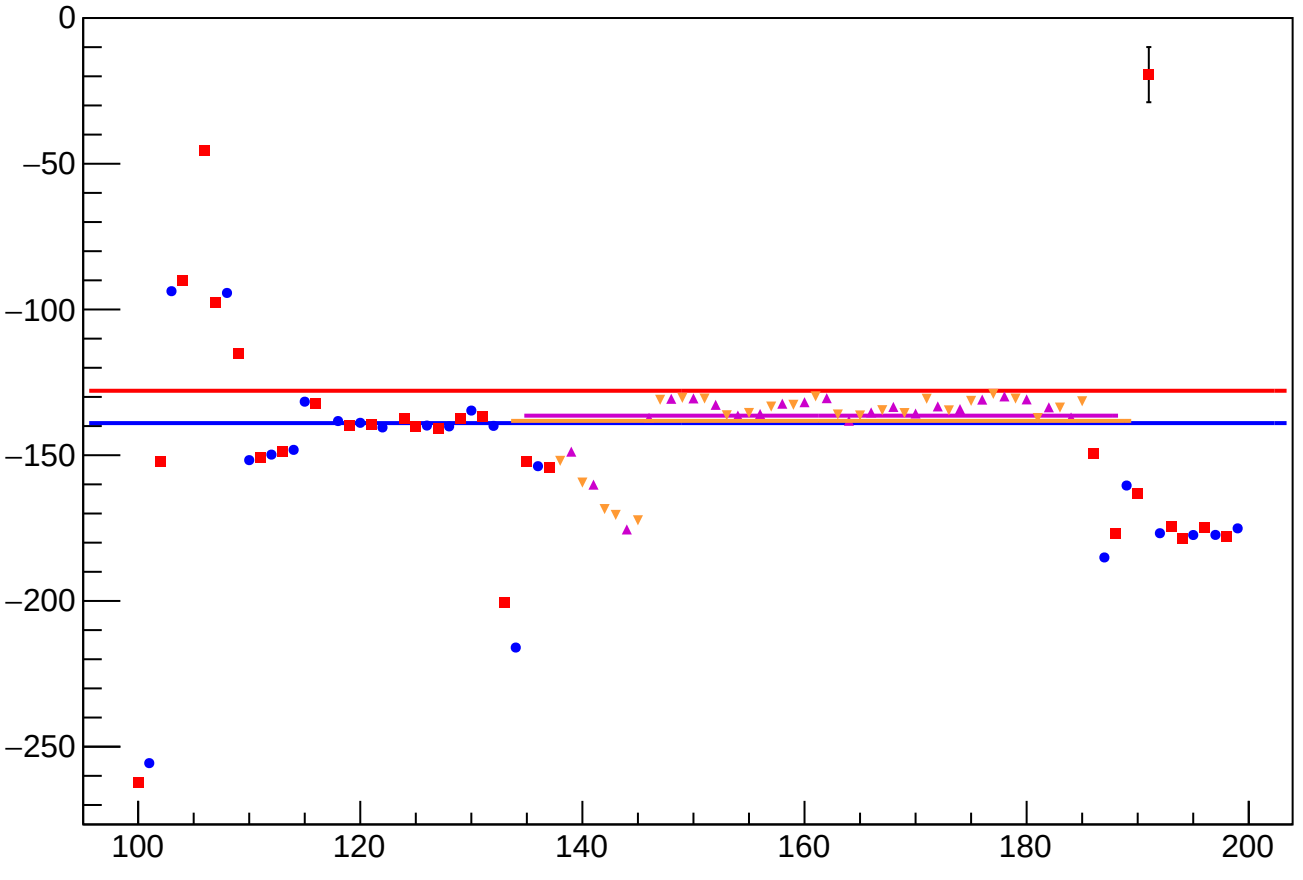
Left: 58.716+/-0.654 χ^2/NDF: 1483.1/47

Right: 45.063+/-1.086 χ^2/NDF: 701.9/48

In: 56.470+/-0.810 χ^2/NDF:963.4/44

Out: 53.814+/-0.775 χ^2/NDF:1332.0/51

All: 55.082+/-0.560 χ^2/NDF: 2301.0/96



Right In: -138.981+/-0.081 χ^2/NDF: 221846.0/21

Left Out: -138.218+/-0.042 χ^2/NDF:81828.6/24

Right Out: -127.885+/-0.076 χ^2/NDF: 302482.8/26

Left In: -136.429+/-0.043 χ^2/NDF:49792.9/22

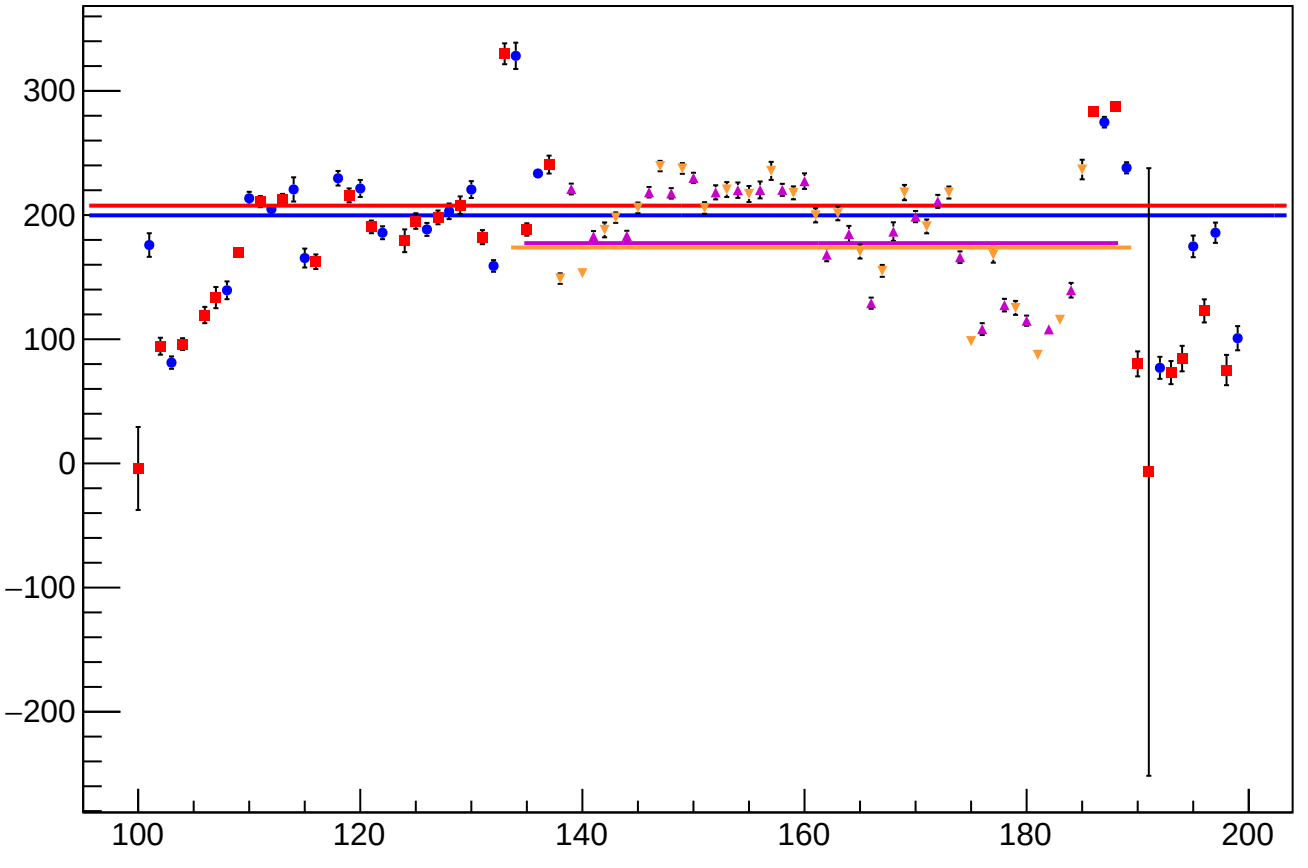
Left: -137.331+/-0.030 χ^2/NDF: 132499.5/47

Right: -133.061+/-0.056 χ^2/NDF: 534220.7/48

In: -136.982+/-0.038 χ^2/NDF:272407.2/44

Out: -135.766+/-0.037 χ^2/NDF:398335.5/51

All: -136.361+/-0.027 χ^2/NDF: 671267.7/96



Right In: 199.771+/-1.230 χ^2/NDF: 1735.4/21

Left Out: 173.862+/-0.962 χ^2/NDF:2627.6/24

Right Out: 207.598+/-1.064 χ^2/NDF: 3908.3/26

Left In: 177.403+/-0.996 χ^2/NDF:1963.0/22

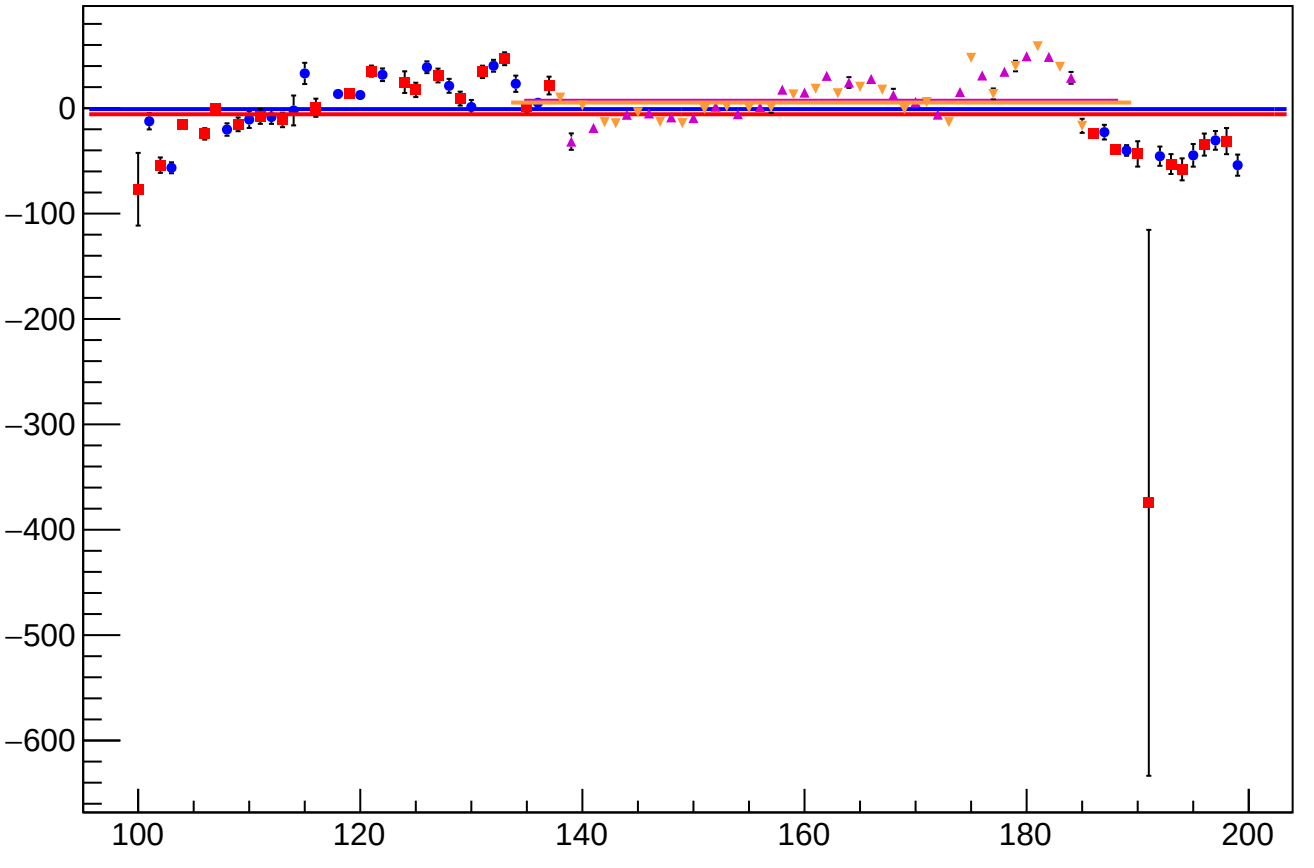
Left: 175.572+/-0.692 χ^2/NDF: 4597.1/47

Right: 204.248+/-0.805 χ^2/NDF: 5666.9/48

In: 186.255+/-0.774 χ^2/NDF:3898.2/44

Out: 189.036+/-0.714 χ^2/NDF:7088.9/51

All: 187.758+/-0.525 χ^2/NDF: 10994.2/96



Right In: -0.868+/-1.309 χ^2/NDF: 473.0/21

Left Out: 5.363+/-0.710 χ^2/NDF:810.0/24

Right Out: -5.747+/-1.167 χ^2/NDF: 551.1/26

Left In: 7.061+/-0.741 χ^2/NDF:709.7/22

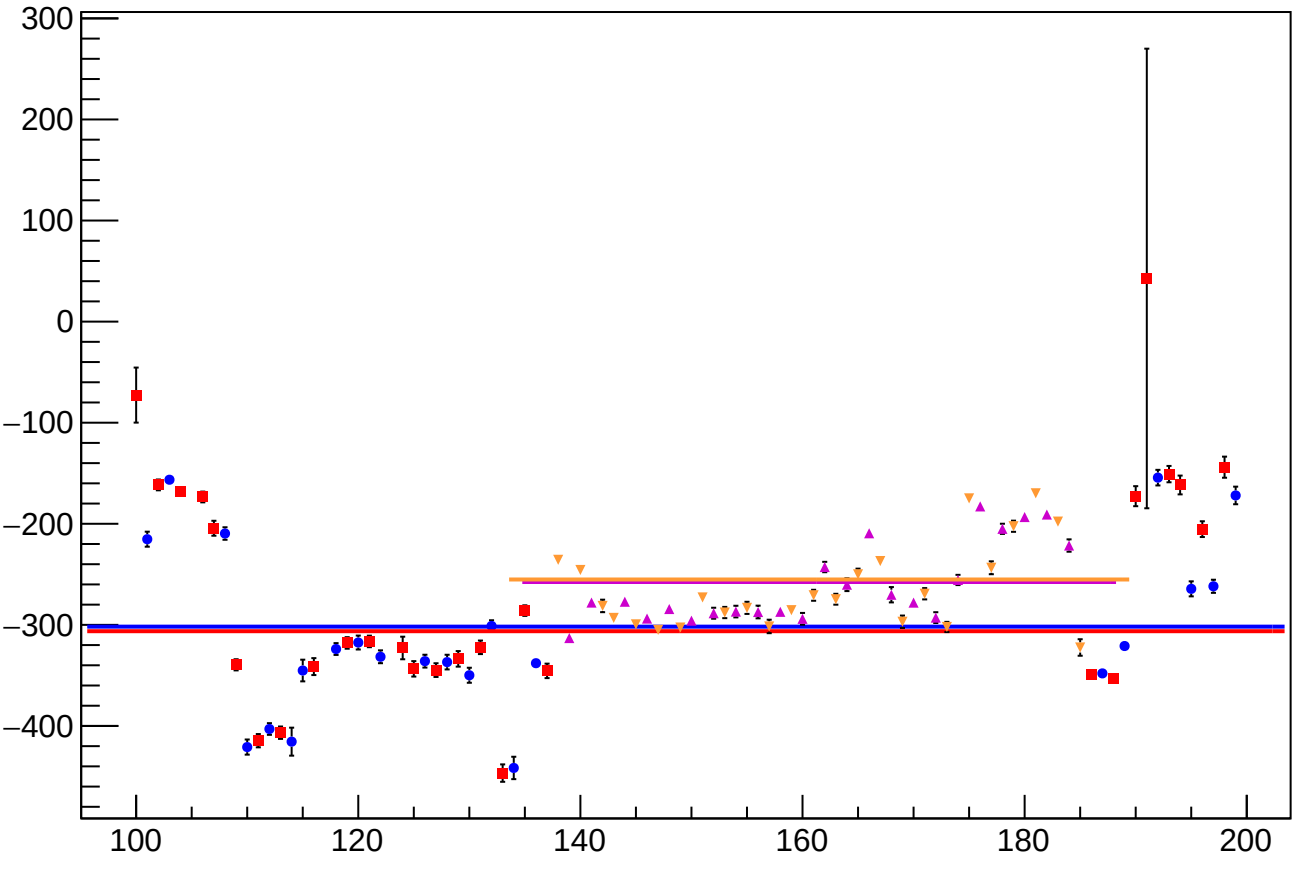
Left: 6.176+/-0.513 χ^2/NDF: 1522.4/47

Right: -3.586+/-0.871 χ^2/NDF: 1031.8/48

In: 5.135+/-0.645 χ^2/NDF:1210.4/44

Out: 2.360+/-0.607 χ^2/NDF:1427.1/51

All: 3.663+/-0.442 χ^2/NDF: 2647.3/96



Right In: -301.768+/-1.239 χ^2/NDF: 3635.7/21

Left Out: -255.122+/-0.956 χ^2/NDF:2344.8/24

Right Out: -306.275+/-1.028 χ^2/NDF: 6021.0/26

Left In: -257.600+/-0.985 χ^2/NDF:1808.1/22

Left: -256.324+/-0.686 χ^2/NDF: 4156.2/47

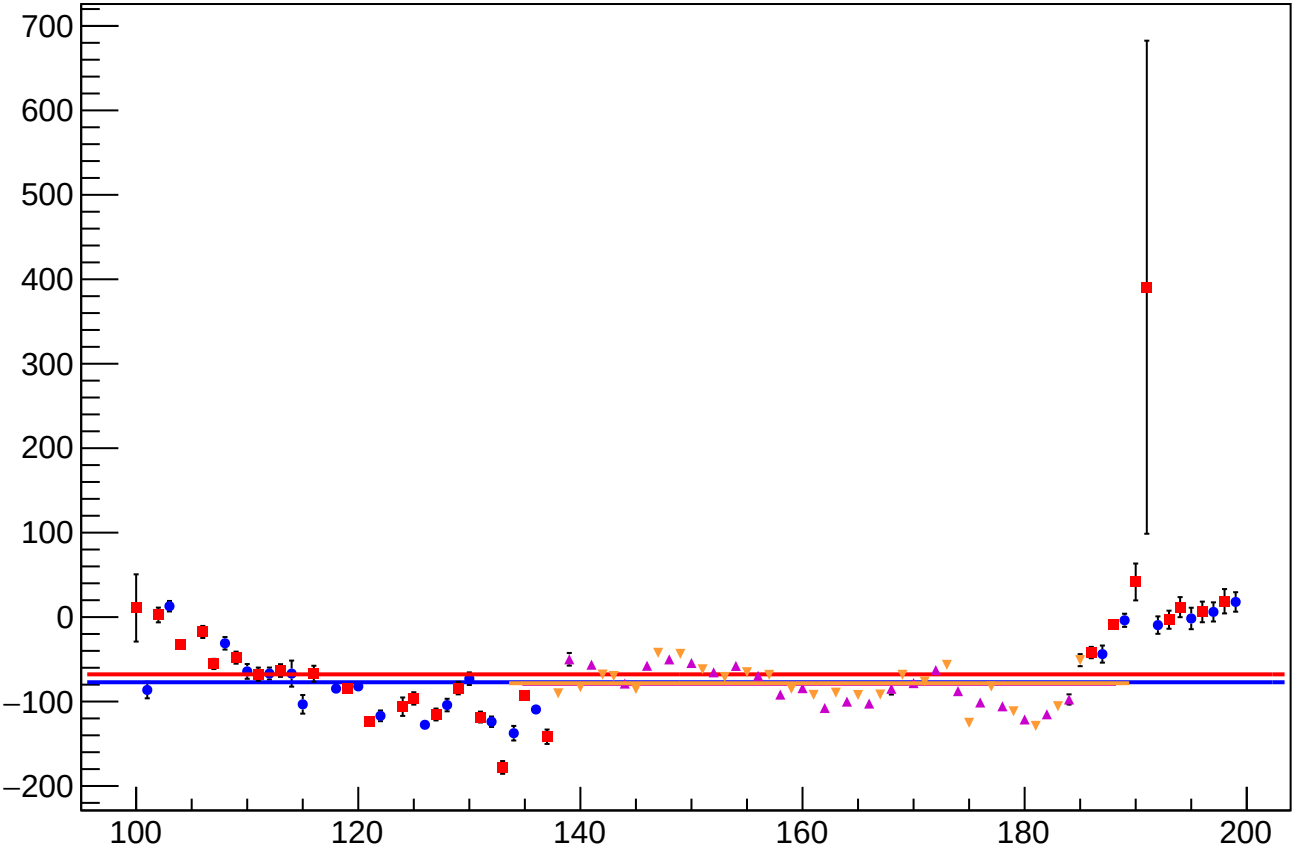
Right: -304.436+/-0.791 χ^2/NDF: 9664.6/48

In: -274.709+/-0.771 χ^2/NDF:6222.9/44

Out: -278.847+/-0.700 χ^2/NDF:9692.9/51

All: -276.976+/-0.518 χ^2/NDF: 15931.6/96

reg_asym_atr_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -77.166+/-1.539 χ^2/NDF: 855.5/21

Left Out: -78.292+/-0.819 χ^2/NDF:868.2/24

Right Out: -67.806+/-1.413 χ^2/NDF: 1094.1/26

Left In: -79.066+/-0.849 χ^2/NDF:702.6/22

Left: -78.665+/-0.589 χ^2/NDF: 1571.2/47

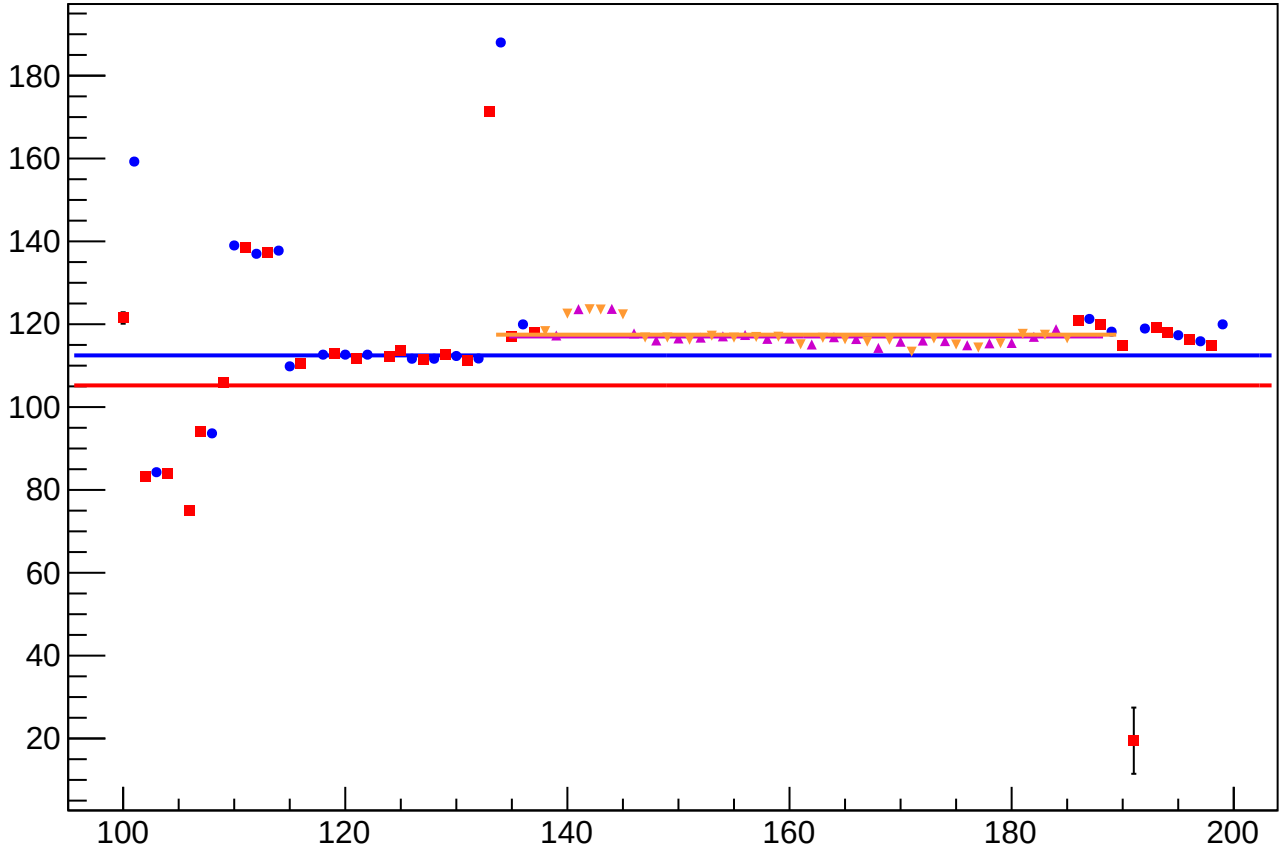
Right: -72.086+/-1.041 χ^2/NDF: 1969.6/48

In: -78.623+/-0.743 χ^2/NDF:1559.3/44

Out: -75.656+/-0.708 χ^2/NDF:2003.5/51

All: -77.068+/-0.513 χ^2/NDF: 3571.1/96

reg_asym_atr_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 112.473+/-0.075 χ^2/NDF: 85561.9/21

Left Out: 117.477+/-0.038 χ^2/NDF:4739.3/24

Right Out: 105.229+/-0.070 χ^2/NDF: 73663.6/26

Left In: 117.046+/-0.039 χ^2/NDF:3343.0/22

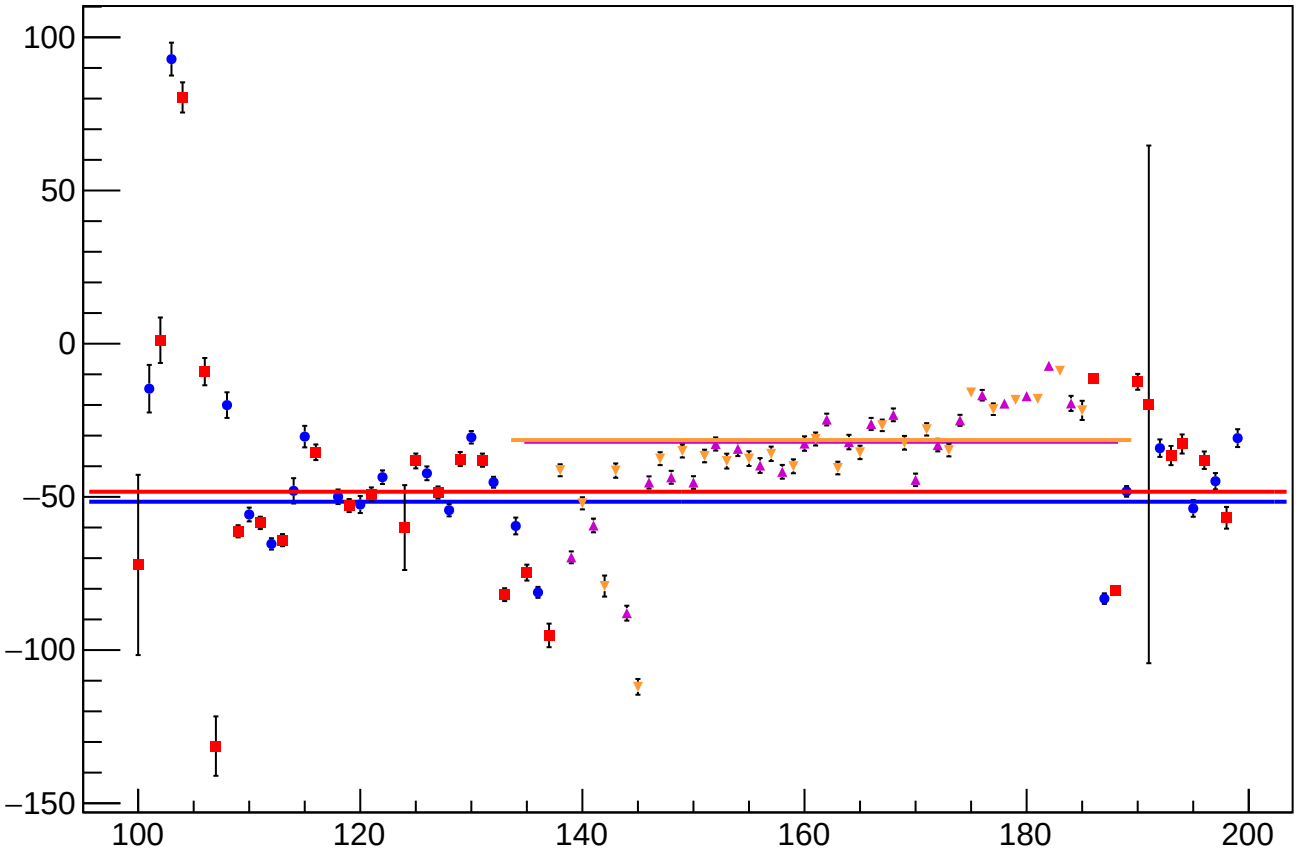
Left: 117.265+/-0.027 χ^2/NDF: 8145.5/47

Right: 108.606+/-0.051 χ^2/NDF: 164178.0/48

In: 116.092+/-0.034 χ^2/NDF:91831.4/44

Out: 114.705+/-0.033 χ^2/NDF:101903.8/51

All: 115.380+/-0.024 χ^2/NDF: 194573.1/96



Right In: -51.584+/-0.508 χ^2/NDF: 1768.3/21

Left Out: -31.452+/-0.399 χ^2/NDF:1992.2/24

Right Out: -48.319+/-0.439 χ^2/NDF: 4137.8/26

Left In: -32.015+/-0.409 χ^2/NDF:1913.4/22

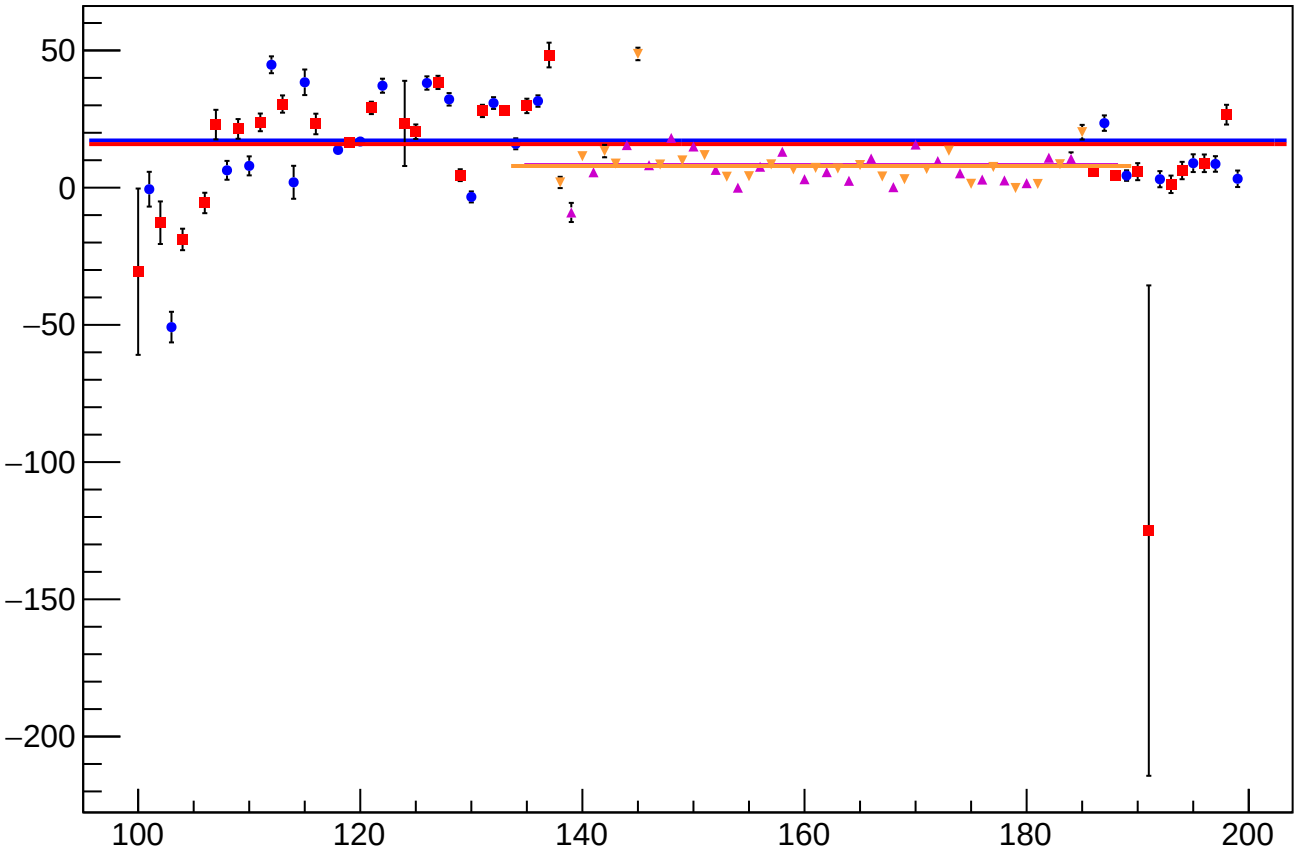
Left: -31.726+/-0.286 χ^2/NDF: 3906.6/47

Right: -49.715+/-0.332 χ^2/NDF: 5929.8/48

In: -39.712+/-0.319 χ^2/NDF:4581.7/44

Out: -39.079+/-0.295 χ^2/NDF:6938.6/51

All: -39.371+/-0.217 χ^2/NDF: 11522.4/96



Right In: 17.189+/-0.533 χ^2/NDF: 768.0/21

Left Out: 7.897+/-0.304 χ^2/NDF:490.5/24

Right Out: 15.867+/-0.489 χ^2/NDF: 674.0/26

Left In: 8.223+/-0.316 χ^2/NDF:338.8/22

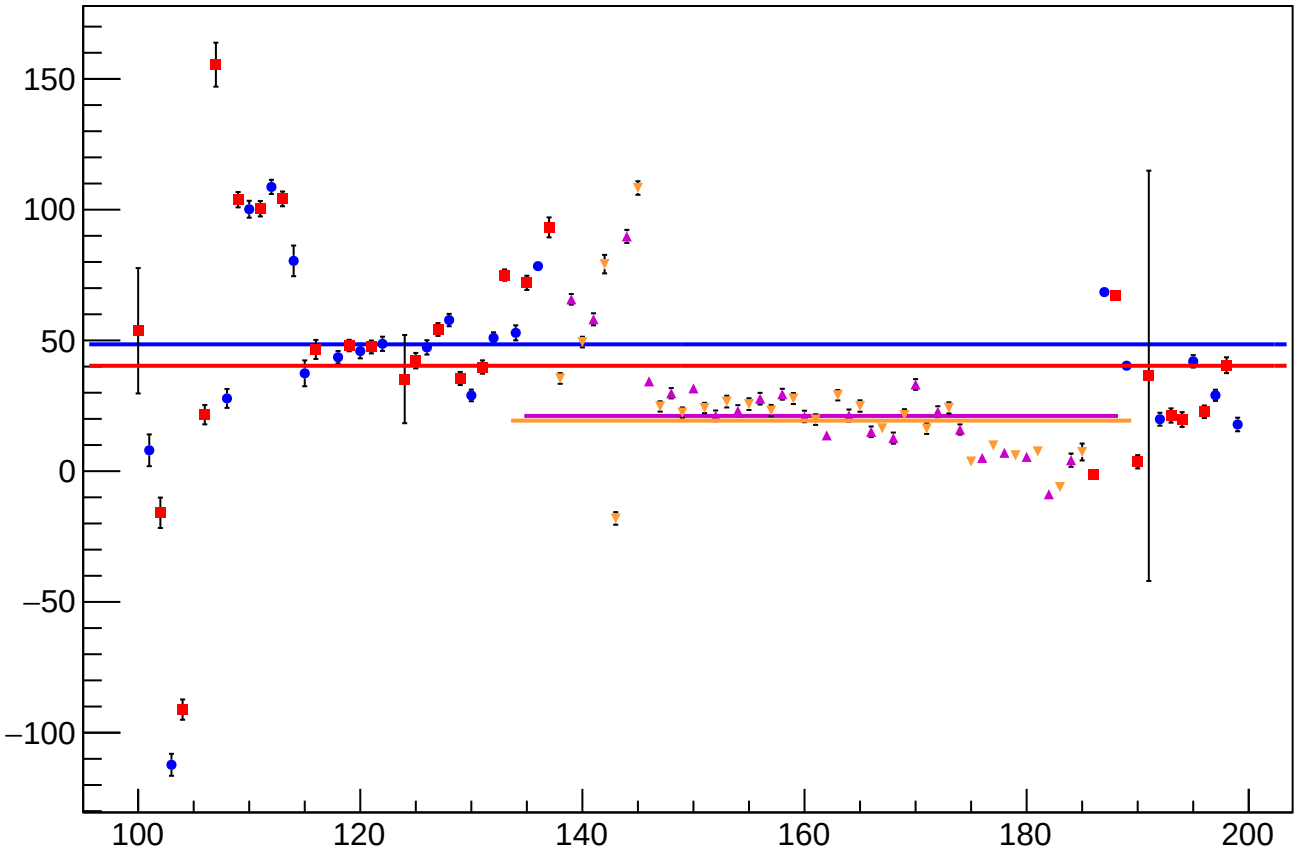
Left: 8.054+/-0.219 χ^2/NDF: 829.9/47

Right: 16.471+/-0.361 χ^2/NDF: 1445.3/48

In: 10.546+/-0.272 χ^2/NDF:1316.0/44

Out: 10.117+/-0.258 χ^2/NDF:1356.1/51

All: 10.321+/-0.187 χ^2/NDF: 2673.5/96



Right In: 48.506+/-0.518 χ^2/NDF: 3285.3/21

Left Out: 19.339+/-0.396 χ^2/NDF:2682.4/24

Right Out: 40.307+/-0.420 χ^2/NDF: 7411.0/26

Left In: 21.124+/-0.405 χ^2/NDF:2504.8/22

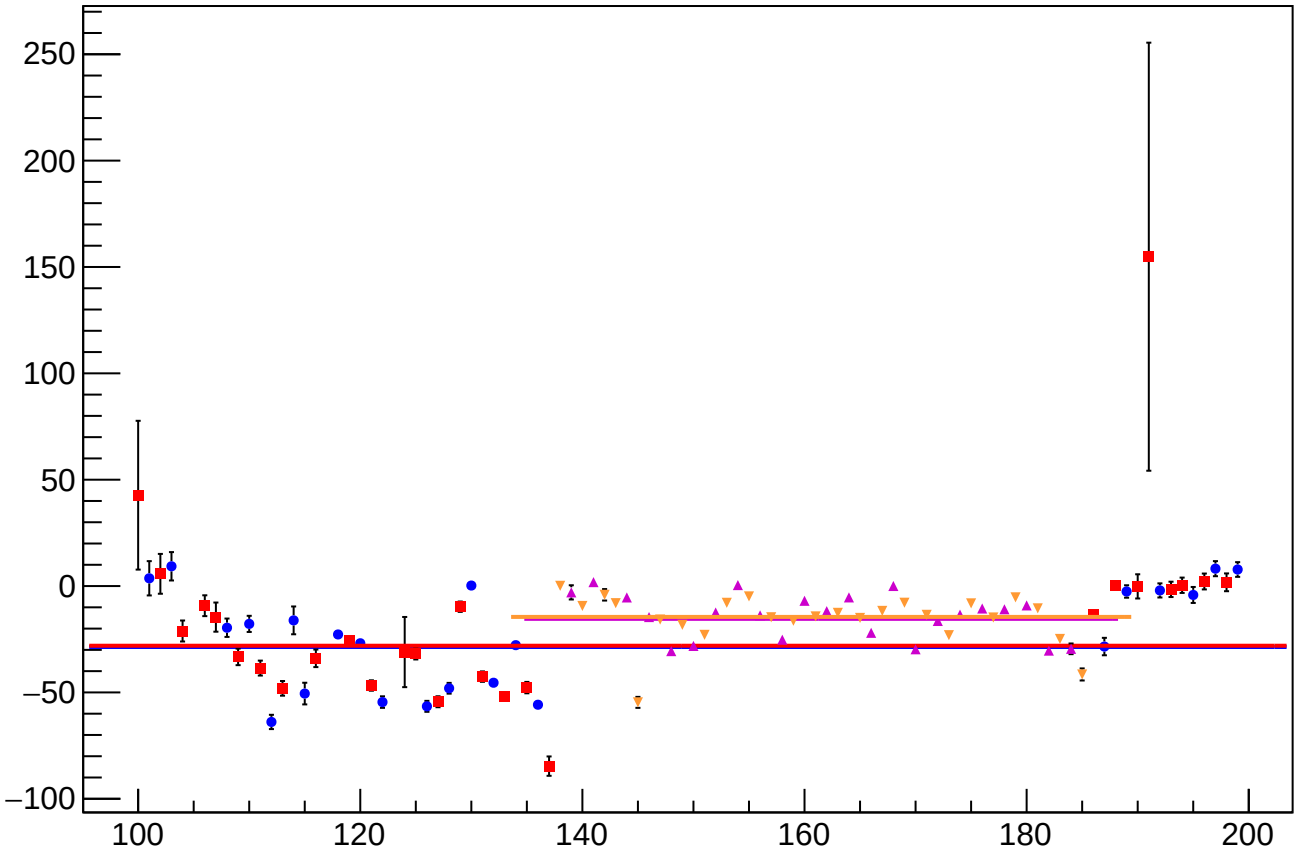
Left: 20.211+/-0.283 χ^2/NDF: 5197.1/47

Right: 43.565+/-0.326 χ^2/NDF: 10847.4/48

In: 31.511+/-0.319 χ^2/NDF:7526.0/44

Out: 29.185+/-0.288 χ^2/NDF:11412.8/51

All: 30.230+/-0.214 χ^2/NDF: 18968.0/96



Right In: -28.637+/-0.627 χ^2/NDF: 1263.7/21

Left Out: -14.502+/-0.344 χ^2/NDF:641.0/24

Right Out: -28.050+/-0.599 χ^2/NDF: 1223.3/26

Left In: -15.417+/-0.355 χ^2/NDF:798.7/22

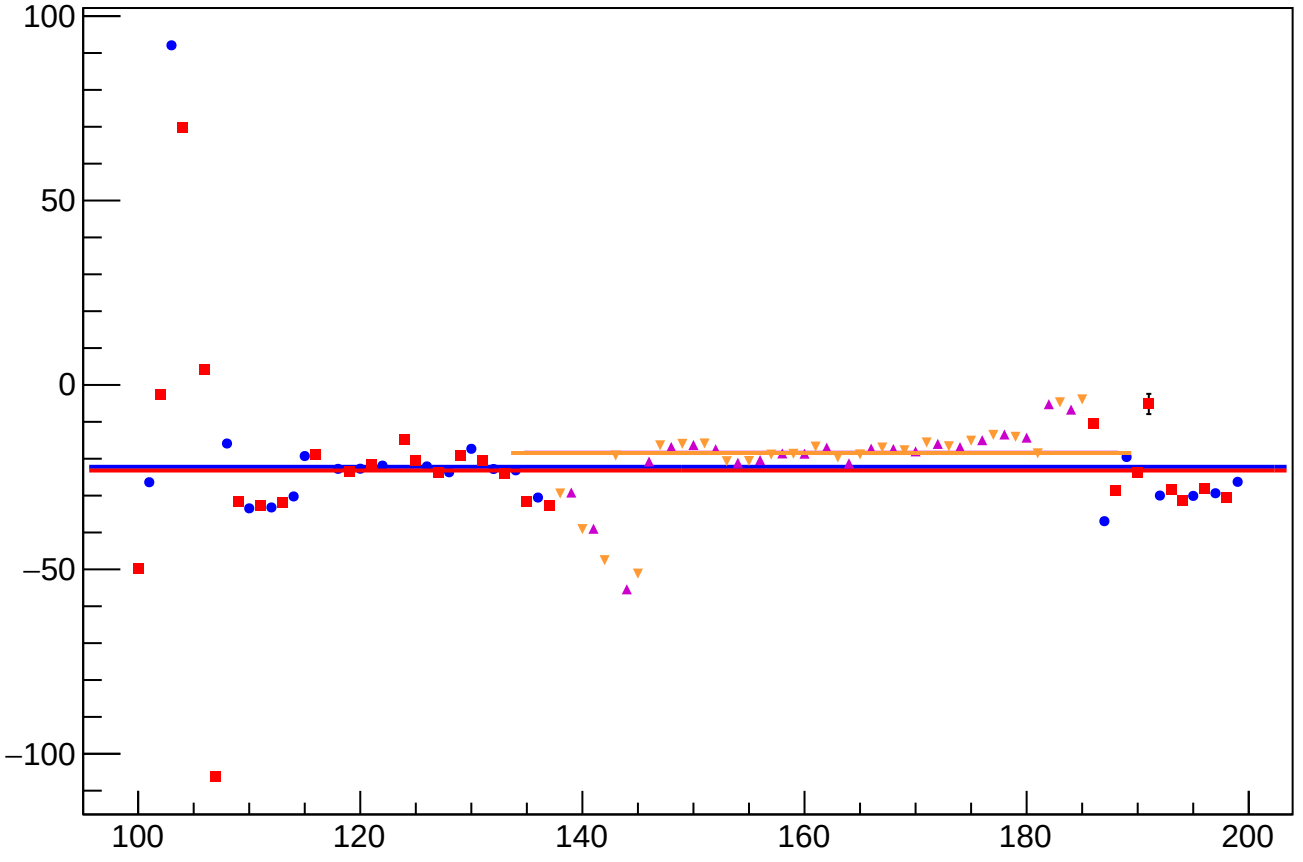
Left: -14.945+/-0.247 χ^2/NDF: 1443.2/47

Right: -28.330+/-0.433 χ^2/NDF: 2487.5/48

In: -18.629+/-0.309 χ^2/NDF:2398.8/44

Out: -17.864+/-0.298 χ^2/NDF:2249.3/51

All: -18.233+/-0.215 χ^2/NDF: 4651.3/96



Right In: -22.192+/-0.032 χ^2/NDF: 456543.0/21

Left Out: -18.450+/-0.015 χ^2/NDF:295359.2/24

Right Out: -23.196+/-0.032 χ^2/NDF: 377131.8/26

Left In: -18.378+/-0.016 χ^2/NDF:250040.9/22

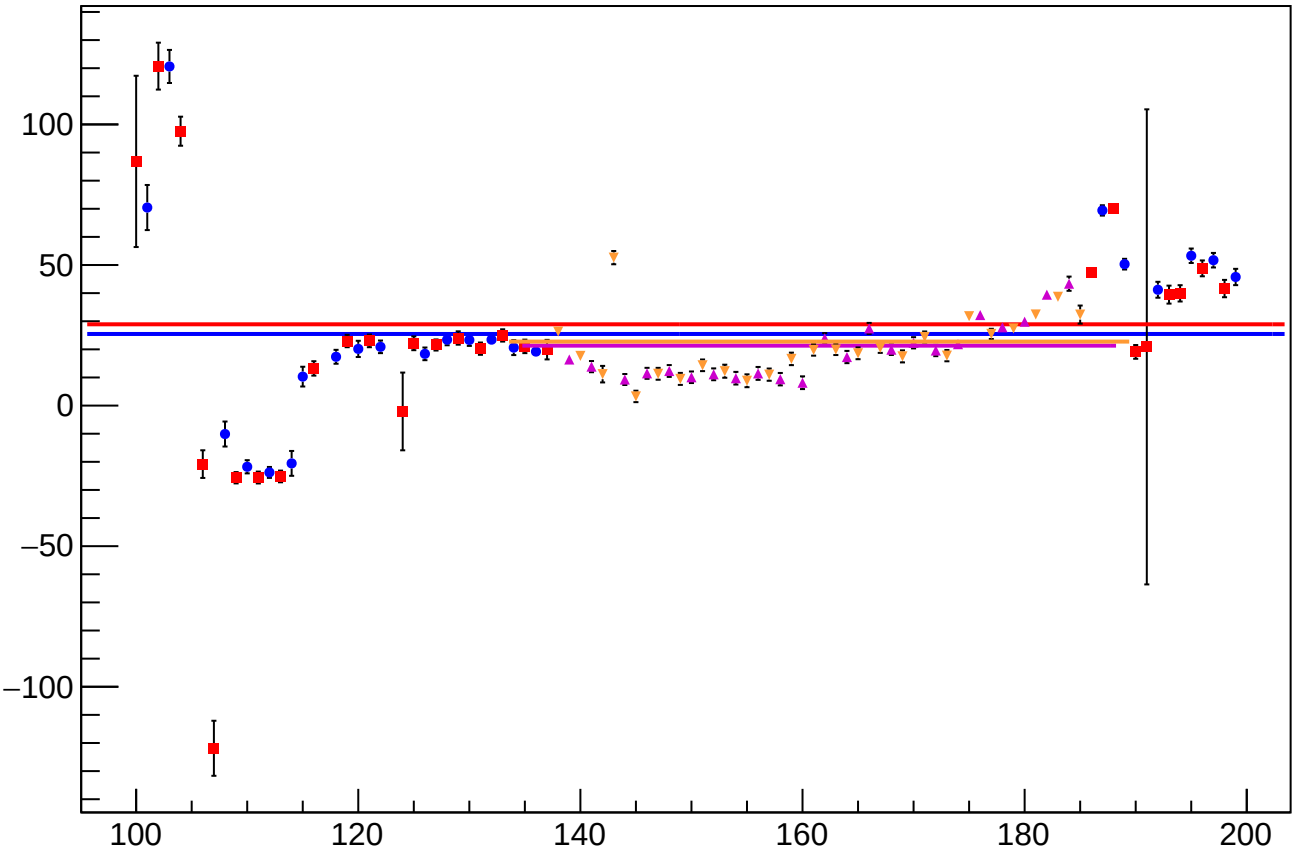
Left: -18.414+/-0.011 χ^2/NDF: 545410.6/47

Right: -22.695+/-0.023 χ^2/NDF: 834156.3/48

In: -19.108+/-0.014 χ^2/NDF:717801.5/44

Out: -19.335+/-0.014 χ^2/NDF:690026.9/51

All: -19.223+/-0.010 χ^2/NDF: 1407958.9/96



Right In: 25.471+/-0.516 χ^2/NDF: 2618.3/21

Left Out: 22.766+/-0.383 χ^2/NDF:722.8/24

Right Out: 28.913+/-0.460 χ^2/NDF: 4622.8/26

Left In: 21.325+/-0.393 χ^2/NDF:629.9/22

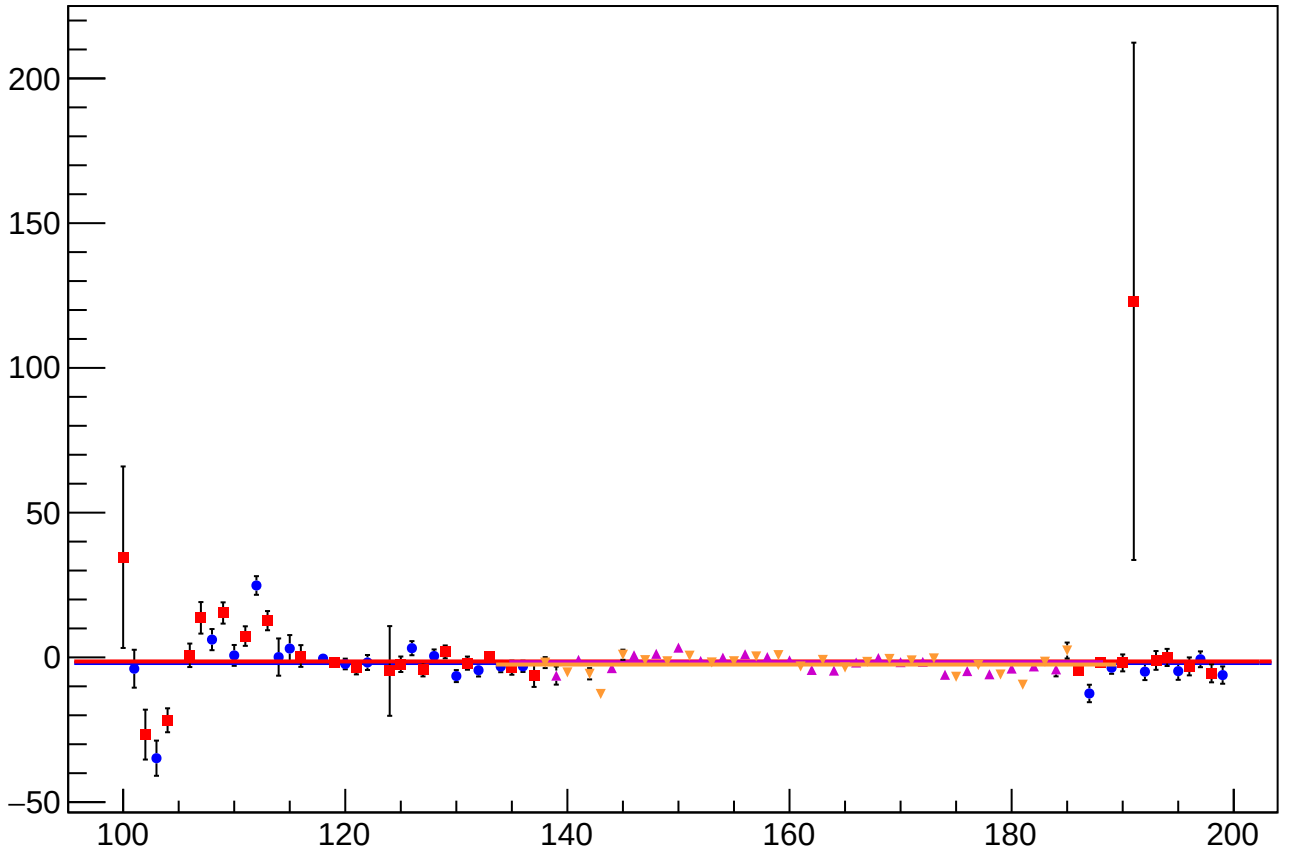
Left: 22.064+/-0.274 χ^2/NDF: 1359.6/47

Right: 27.388+/-0.343 χ^2/NDF: 7266.0/48

In: 22.848+/-0.312 χ^2/NDF:3289.1/44

Out: 25.282+/-0.294 χ^2/NDF:5451.2/51

All: 24.138+/-0.214 χ^2/NDF: 8772.6/96



Right In: -1.944+/-0.541 χ^2/NDF: 135.6/21

Left Out: -2.468+/-0.293 χ^2/NDF:116.7/24

Right Out: -1.401+/-0.510 χ^2/NDF: 103.6/26

Left In: -1.659+/-0.304 χ^2/NDF:70.2/22

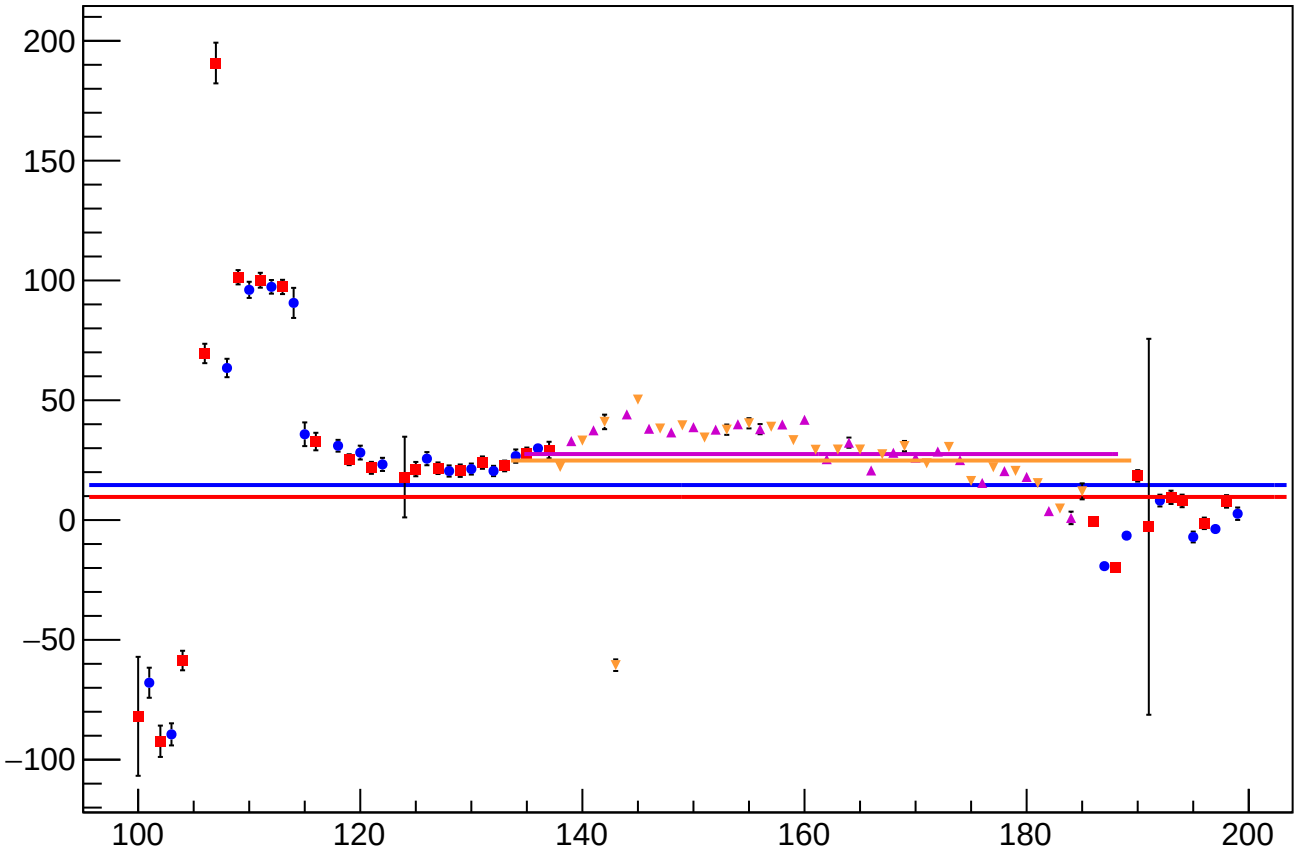
Left: -2.079+/-0.211 χ^2/NDF: 190.6/47

Right: -1.656+/-0.371 χ^2/NDF: 239.7/48

In: -1.728+/-0.265 χ^2/NDF:206.0/44

Out: -2.203+/-0.254 χ^2/NDF:223.6/51

All: -1.975+/-0.183 χ^2/NDF: 431.3/96



Right In: 14.614+/-0.528 χ^2/NDF: 3520.8/21

Left Out: 24.850+/-0.380 χ^2/NDF:2048.7/24

Right Out: 9.648+/-0.447 χ^2/NDF: 5479.5/26

Left In: 27.551+/-0.389 χ^2/NDF:881.9/22

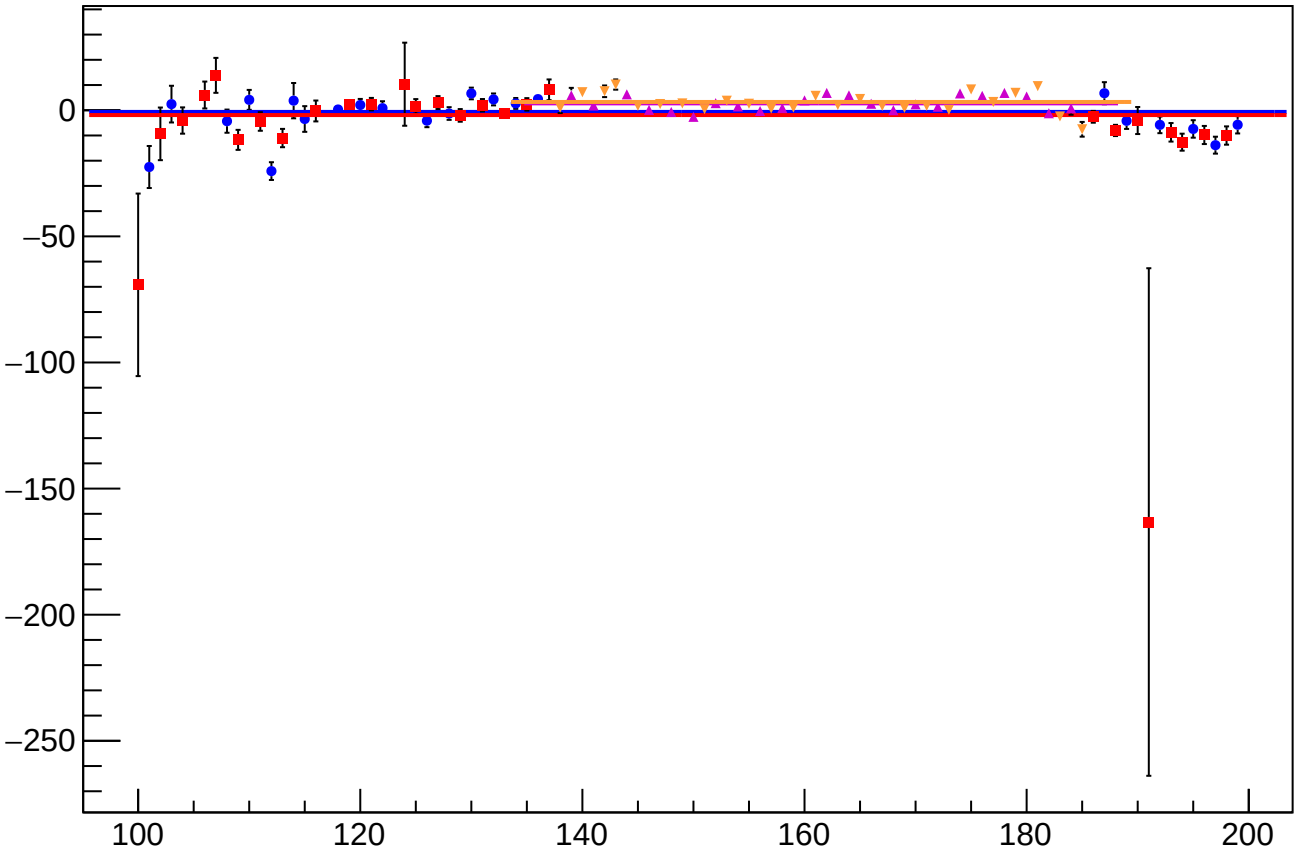
Left: 26.168+/-0.272 χ^2/NDF: 2955.3/47

Right: 11.725+/-0.341 χ^2/NDF: 9051.7/48

In: 22.997+/-0.313 χ^2/NDF:4792.3/44

Out: 18.485+/-0.290 χ^2/NDF:8199.1/51

All: 20.565+/-0.213 χ^2/NDF: 13103.3/96



Right In: -0.657+/-0.631 χ^2/NDF: 109.7/21

Left Out: 3.287+/-0.331 χ^2/NDF:106.3/24

Right Out: -1.905+/-0.616 χ^2/NDF: 83.3/26

Left In: 2.730+/-0.342 χ^2/NDF:74.5/22

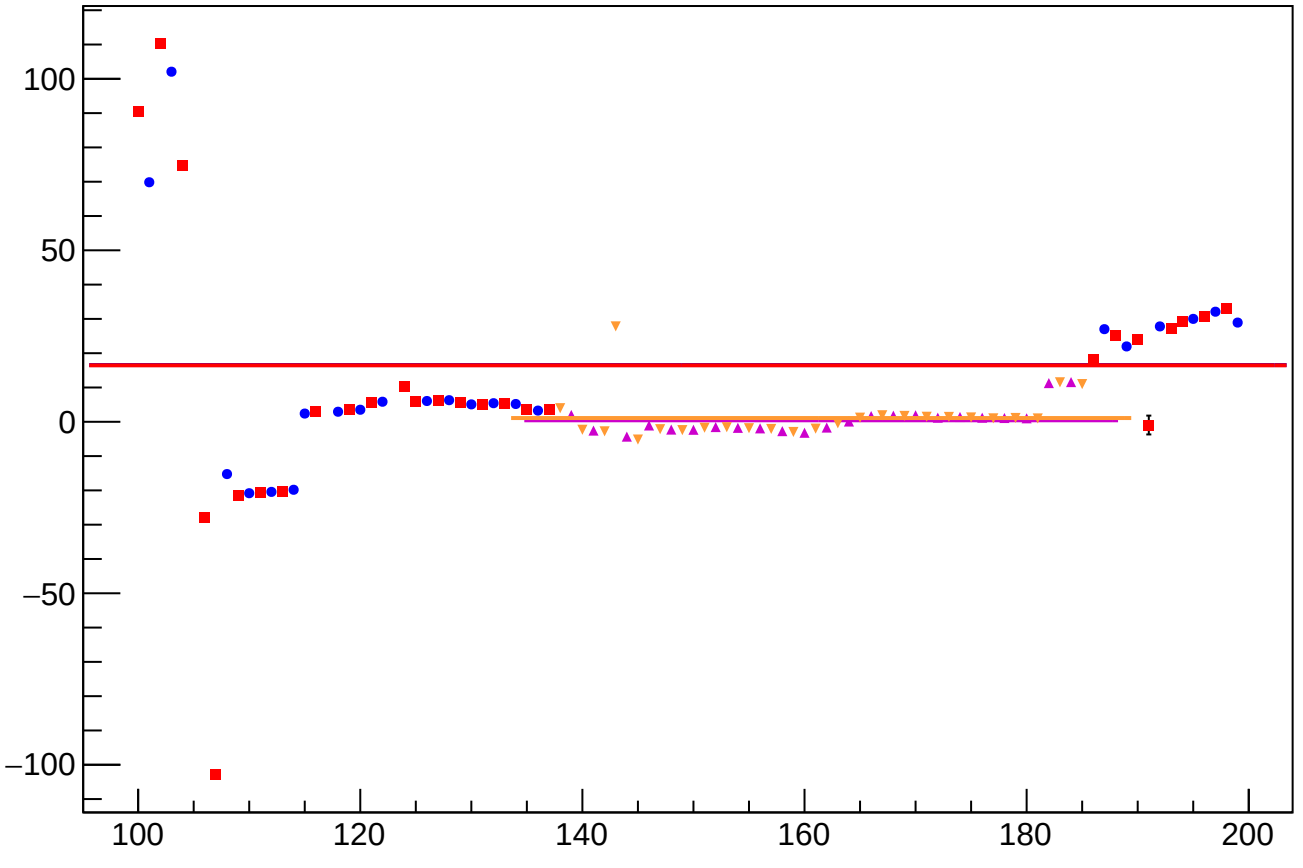
Left: 3.017+/-0.238 χ^2/NDF: 182.1/47

Right: -1.295+/-0.441 χ^2/NDF: 195.1/48

In: 1.960+/-0.301 χ^2/NDF:206.5/44

Out: 2.123+/-0.292 χ^2/NDF:244.6/51

All: 2.044+/-0.209 χ^2/NDF: 451.3/96



Right In: 16.547+/-0.032 χ^2/NDF: 439567.8/21

Left Out: 1.094+/-0.015 χ^2/NDF:128801.7/24

Right Out: 16.473+/-0.032 χ^2/NDF: 578439.8/26

Left In: 0.443+/-0.015 χ^2/NDF:53446.3/22

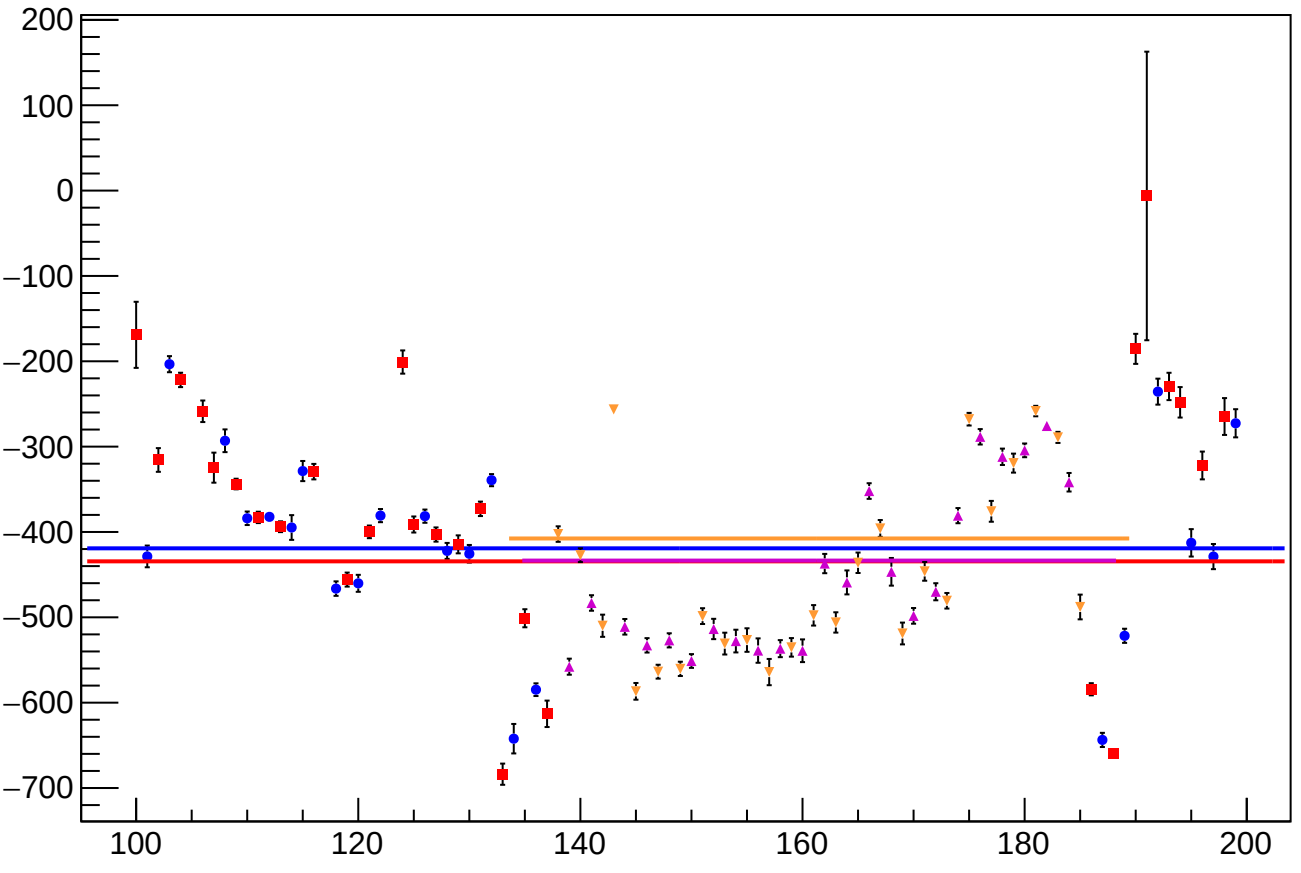
Left: 0.774+/-0.011 χ^2/NDF: 183195.5/47

Right: 16.511+/-0.023 χ^2/NDF: 1018010.2/48

In: 3.392+/-0.014 χ^2/NDF:701687.8/44

Out: 3.788+/-0.013 χ^2/NDF:895463.2/51

All: 3.593+/-0.010 χ^2/NDF: 1597578.9/96



Right In: -419.164+/-2.018 χ^2/NDF: 2731.7/21

Left Out: -407.620+/-1.868 χ^2/NDF:4005.6/24

Right Out: -434.419+/-1.798 χ^2/NDF: 6090.4/26

Left In: -433.529+/-1.993 χ^2/NDF:2724.5/22

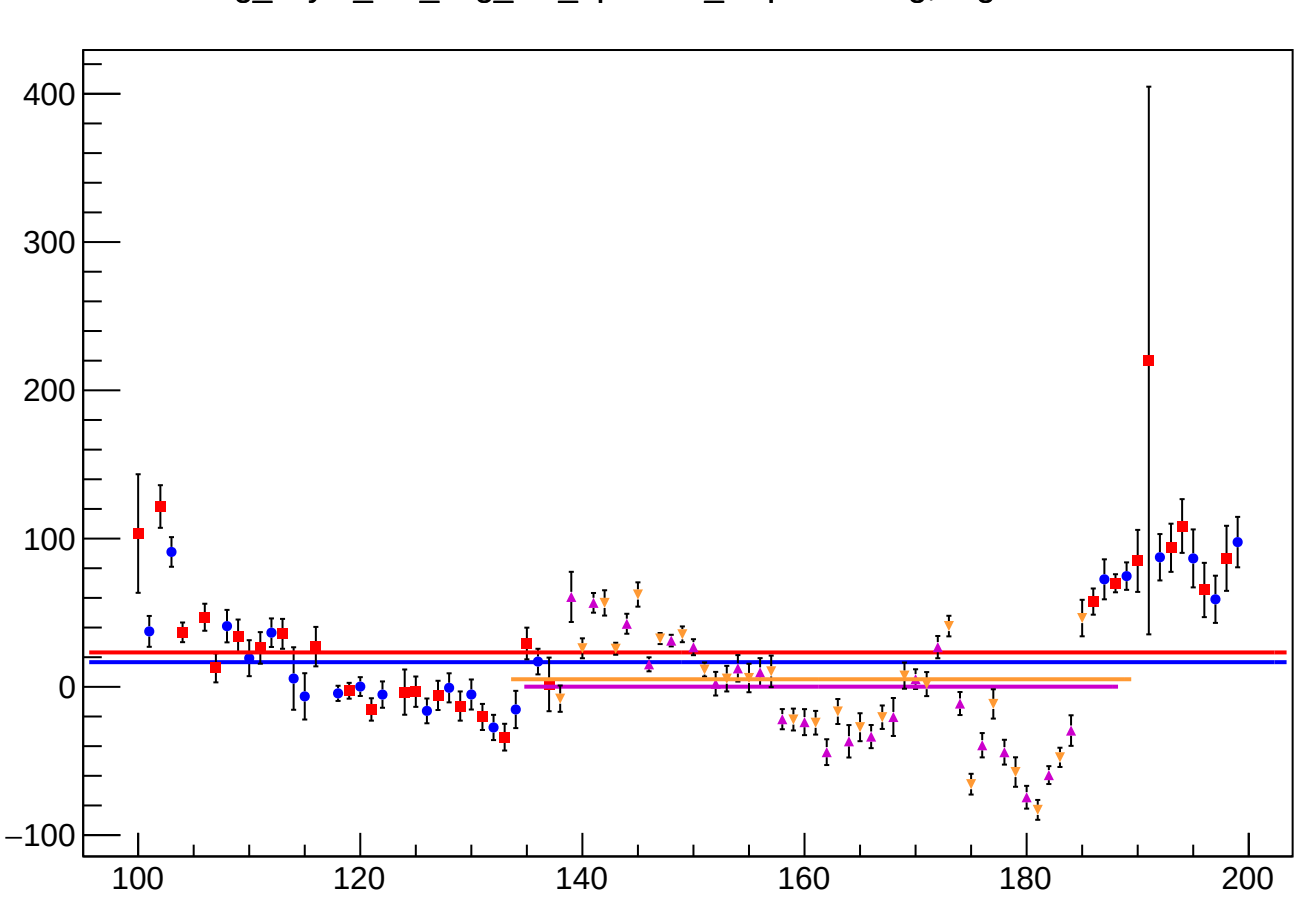
Left: -419.735+/-1.363 χ^2/NDF: 6820.1/47

Right: -427.667+/-1.343 χ^2/NDF: 8854.0/48

In: -426.435+/-1.418 χ^2/NDF:5481.9/44

Out: -421.528+/-1.295 χ^2/NDF:10202.9/51

All: -423.761+/-0.956 χ^2/NDF: 15691.3/96



Right In: 16.647+/-2.102 χ^2/NDF: 276.5/21

Left Out: 5.125+/-1.379 χ^2/NDF:689.2/24

Right Out: 23.215+/-1.957 χ^2/NDF: 351.4/26

Left In: 0.124+/-1.489 χ^2/NDF:568.6/22

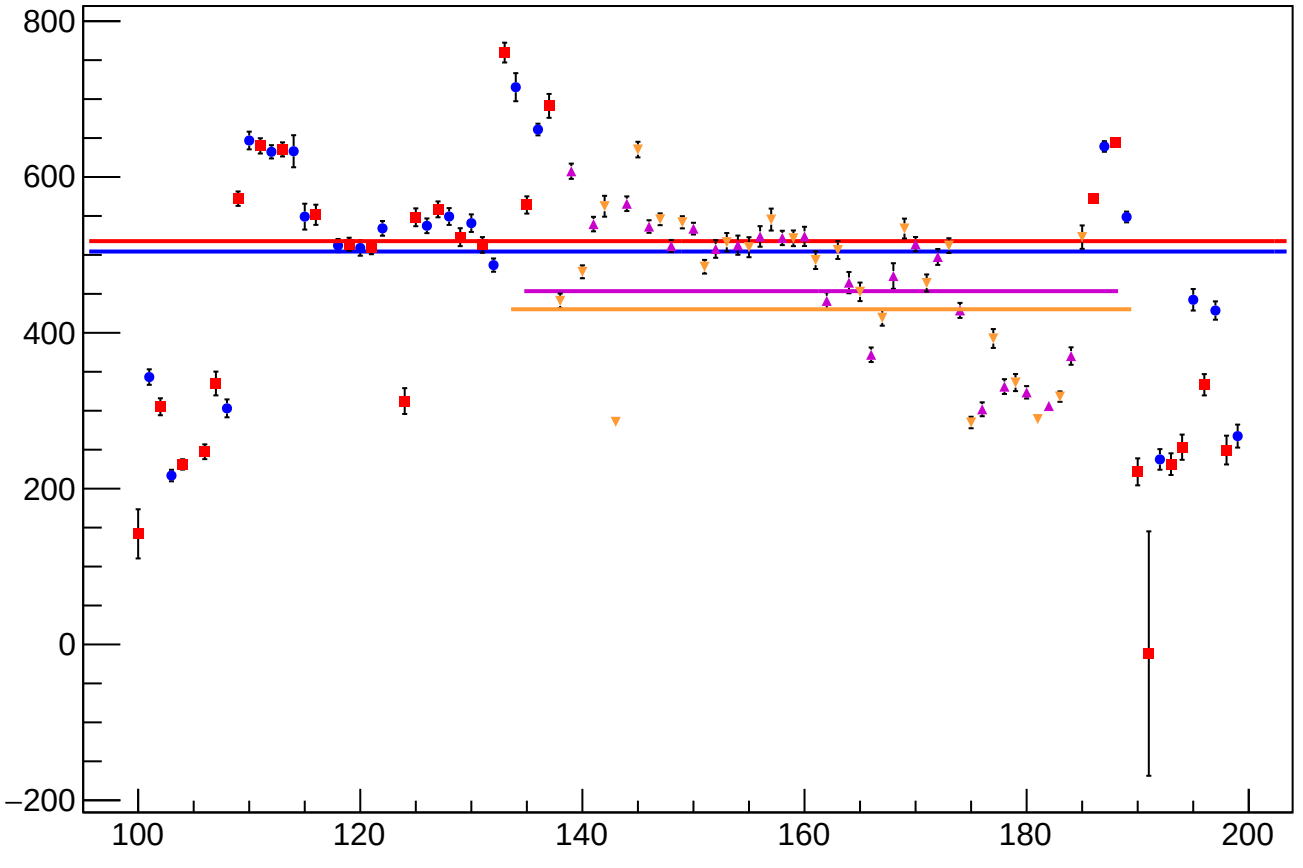
Left: 2.817+/-1.012 χ^2/NDF: 1263.8/47

Right: 20.166+/-1.432 χ^2/NDF: 633.1/48

In: 5.646+/-1.215 χ^2/NDF:886.2/44

Out: 11.125+/-1.127 χ^2/NDF:1097.7/51

All: 8.592+/-0.826 χ^2/NDF: 1994.8/96



Right In: 504.347+/-2.103 χ^2/NDF: 4293.7/21

Left Out: 430.238+/-1.861 χ^2/NDF:3405.1/24

Right Out: 517.698+/-1.809 χ^2/NDF: 7161.8/26

Left In: 453.496+/-1.974 χ^2/NDF:2419.7/22

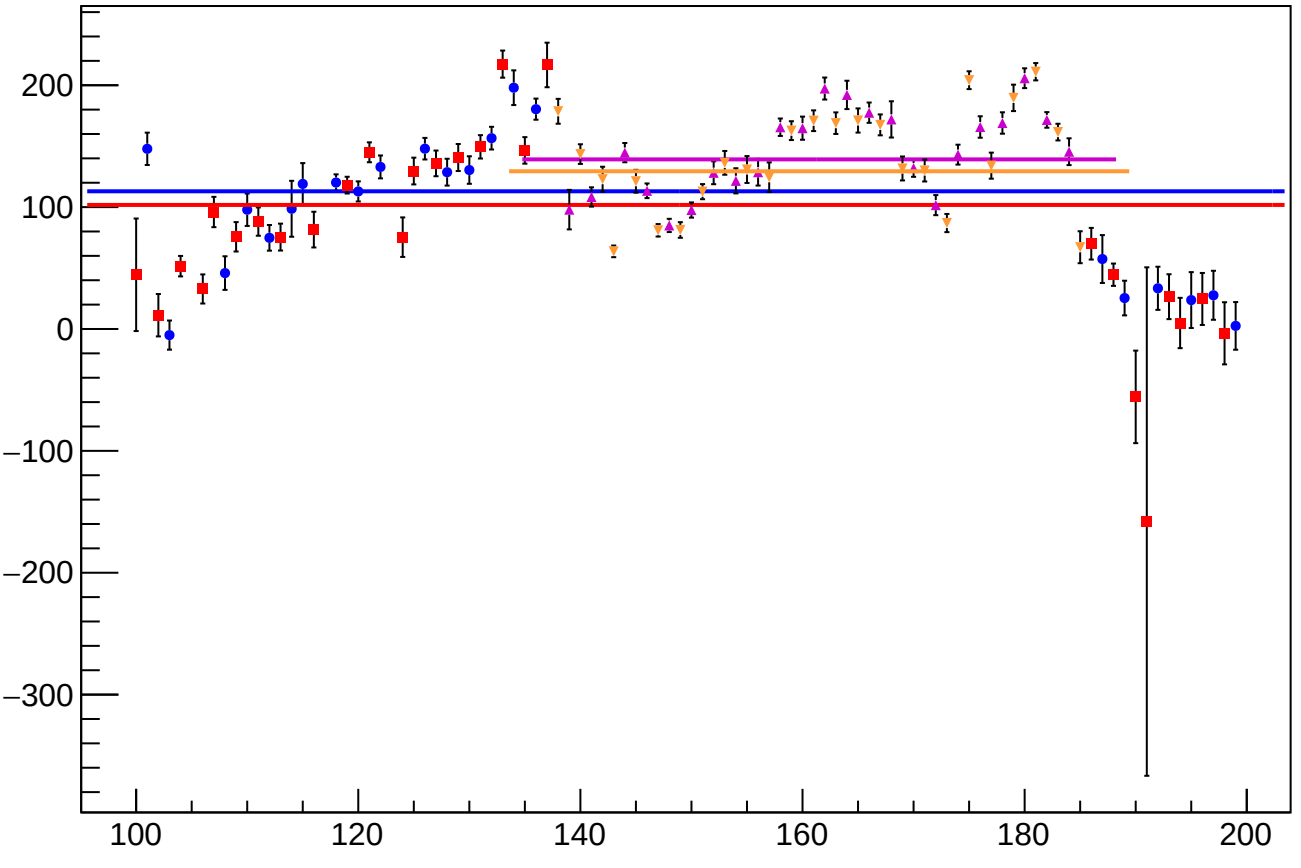
Left: 441.183+/-1.354 χ^2/NDF: 5898.2/47

Right: 512.019+/-1.372 χ^2/NDF: 11478.6/48

In: 477.311+/-1.439 χ^2/NDF:7024.2/44

Out: 475.201+/-1.297 χ^2/NDF:11702.2/51

All: 476.147+/-0.964 χ^2/NDF: 18727.6/96



Right In: 112.979+/-2.480 χ^2/NDF: 418.2/21

Left Out: 129.418+/-1.593 χ^2/NDF:814.3/24

Right Out: 101.788+/-2.344 χ^2/NDF: 498.7/26

Left In: 139.163+/-1.705 χ^2/NDF:434.2/22

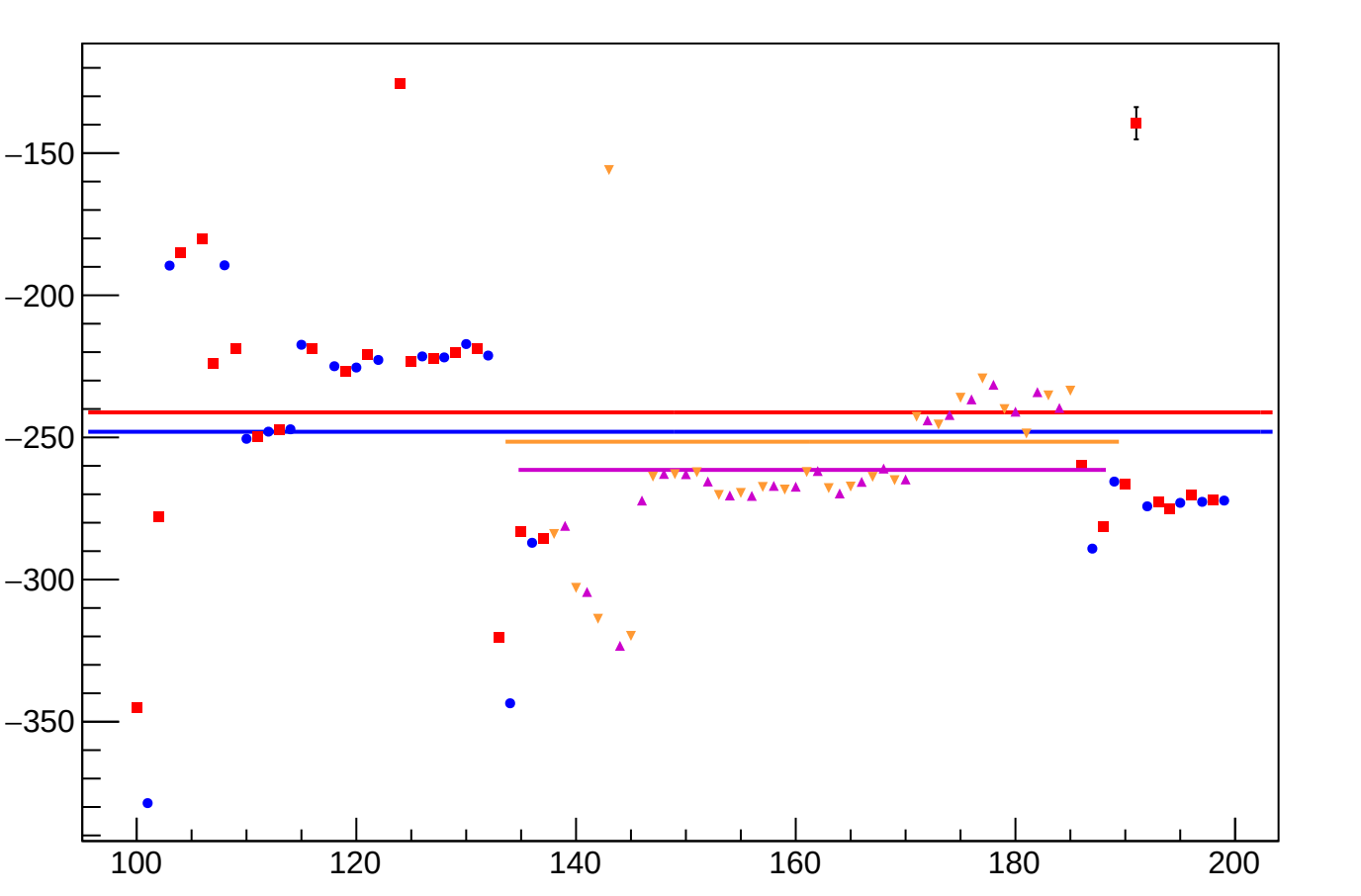
Left: 133.959+/-1.164 χ^2/NDF: 1265.9/47

Right: 107.069+/-1.703 χ^2/NDF: 927.7/48

In: 130.759+/-1.405 χ^2/NDF:928.1/44

Out: 120.692+/-1.317 χ^2/NDF:1408.1/51

All: 125.402+/-0.961 χ^2/NDF: 2363.5/96



Right In: -248.011+/-0.132 χ^2/NDF: 145352.1/21

Left Out: -251.508+/-0.075 χ^2/NDF:254924.4/24

Right Out: -241.189+/-0.127 χ^2/NDF: 106706.3/26

Left In: -261.425+/-0.078 χ^2/NDF:69557.7/22

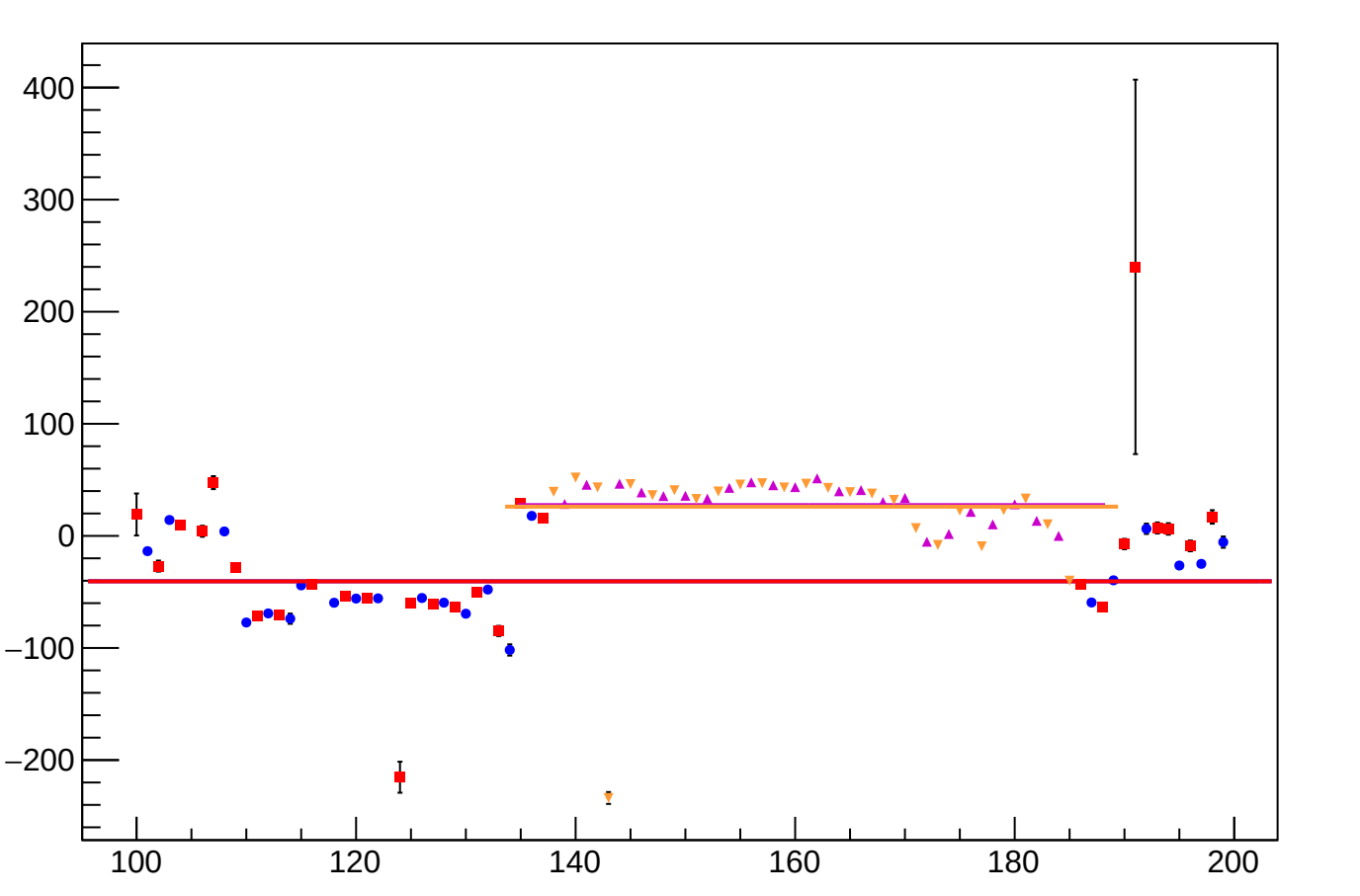
Left: -256.253+/-0.054 χ^2/NDF: 332939.5/47

Right: -244.463+/-0.091 χ^2/NDF: 253452.5/48

In: -257.952+/-0.067 χ^2/NDF:222590.8/44

Out: -248.848+/-0.064 χ^2/NDF:366564.5/51

All: -253.207+/-0.046 χ^2/NDF: 598766.4/96


reg_asym_at2_dd_diff_bpm1X_slope vs Slug, Sign Corrected
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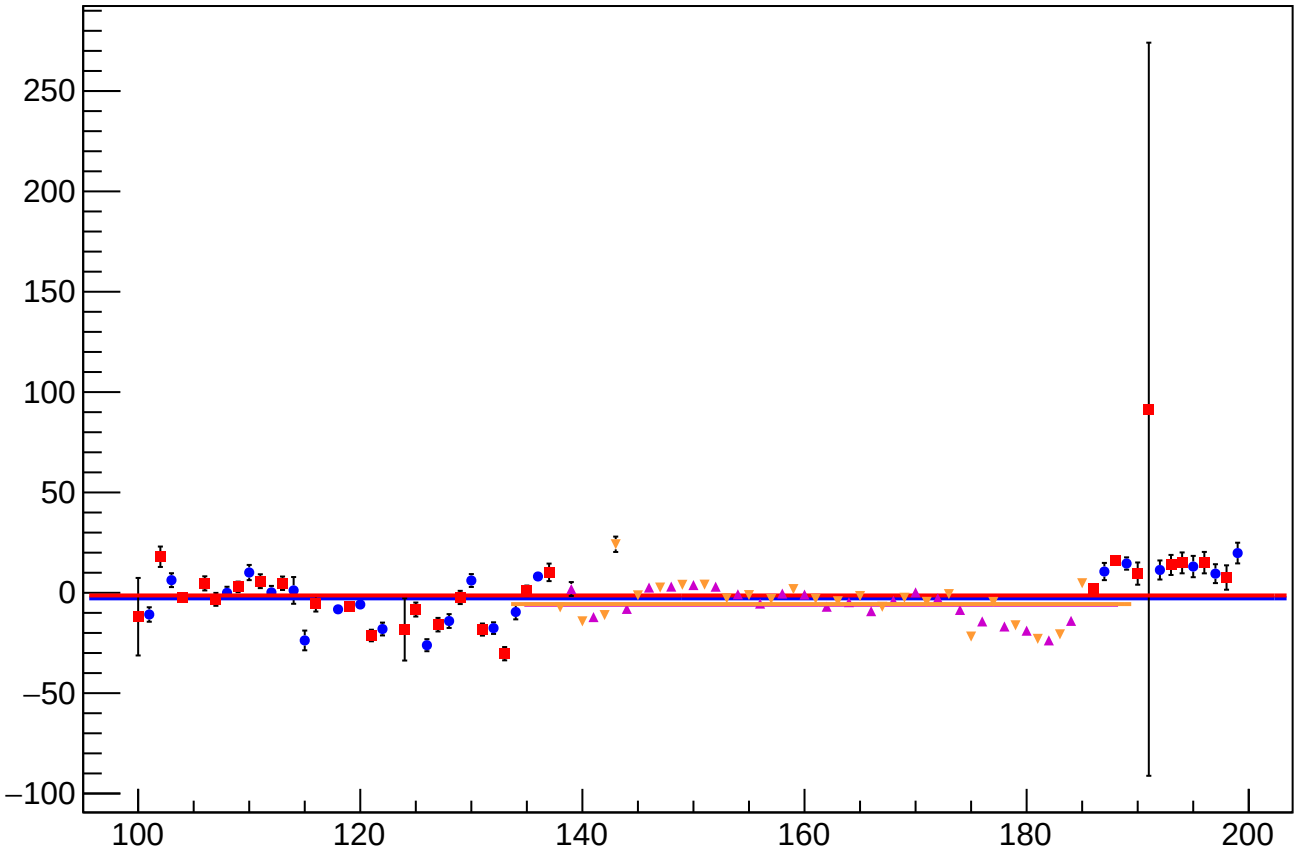
200
100
0
−100
−200
100
120
140
160
180
200
Right In: -40.481+/-0.648 χ²/NDF: 2634.9/21
Left Out: 26.087+/-0.390 χ²/NDF:4785.1/24
Right Out: -40.542+/-0.562 χ²/NDF: 3084.3/26
Left In: 27.466+/-0.396 χ²/NDF:1608.9/22
Left: 26.766+/-0.278 χ²/NDF: 6400.2/47
Right: -40.516+/-0.425 χ²/NDF: 5719.2/48
In: 9.021+/-0.338 χ²/NDF:12244.3/44
Out: 4.445+/-0.320 χ²/NDF:17365.1/51
All: 6.610+/-0.232 χ²/NDF: 29706.0/96



Right In: -2.767+/-0.692 χ^2/NDF: 297.4/21

Left Out: -5.625+/-0.302 χ^2/NDF:893.3/24

Right Out: -1.321+/-0.638 χ^2/NDF: 330.3/26

Left In: -5.940+/-0.309 χ^2/NDF:712.2/22

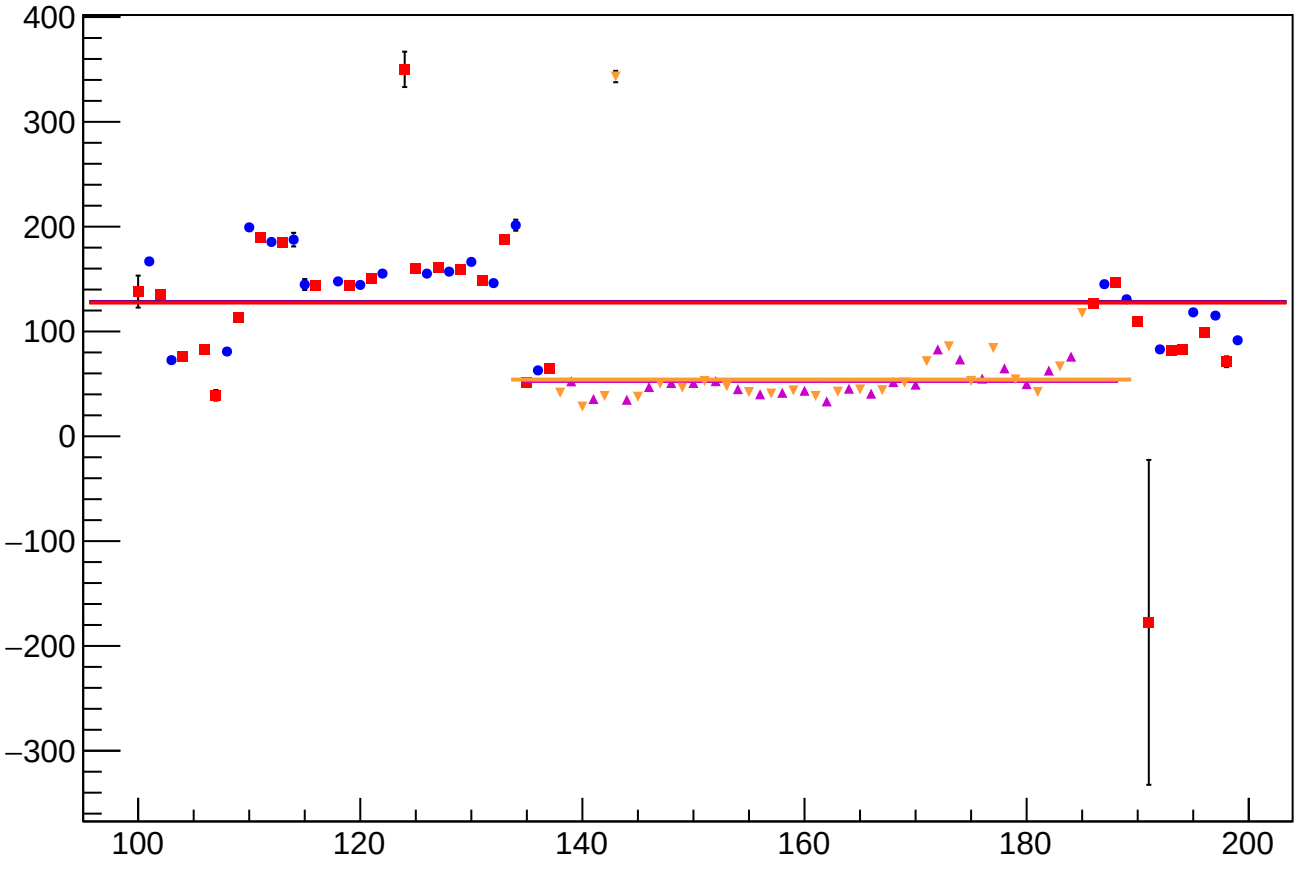
Left: -5.779+/-0.216 χ^2/NDF: 1606.1/47

Right: -1.985+/-0.469 χ^2/NDF: 630.0/48

In: -5.413+/-0.282 χ^2/NDF:1027.2/44

Out: -4.837+/-0.273 χ^2/NDF:1260.8/51

All: -5.115+/-0.196 χ^2/NDF: 2290.1/96



Right In: 128.164+/-0.671 χ^2/NDF: 3904.7/21

Left Out: 54.123+/-0.387 χ^2/NDF:4591.8/24

Right Out: 127.616+/-0.568 χ^2/NDF: 4165.4/26

Left In: 52.797+/-0.393 χ^2/NDF:978.1/22

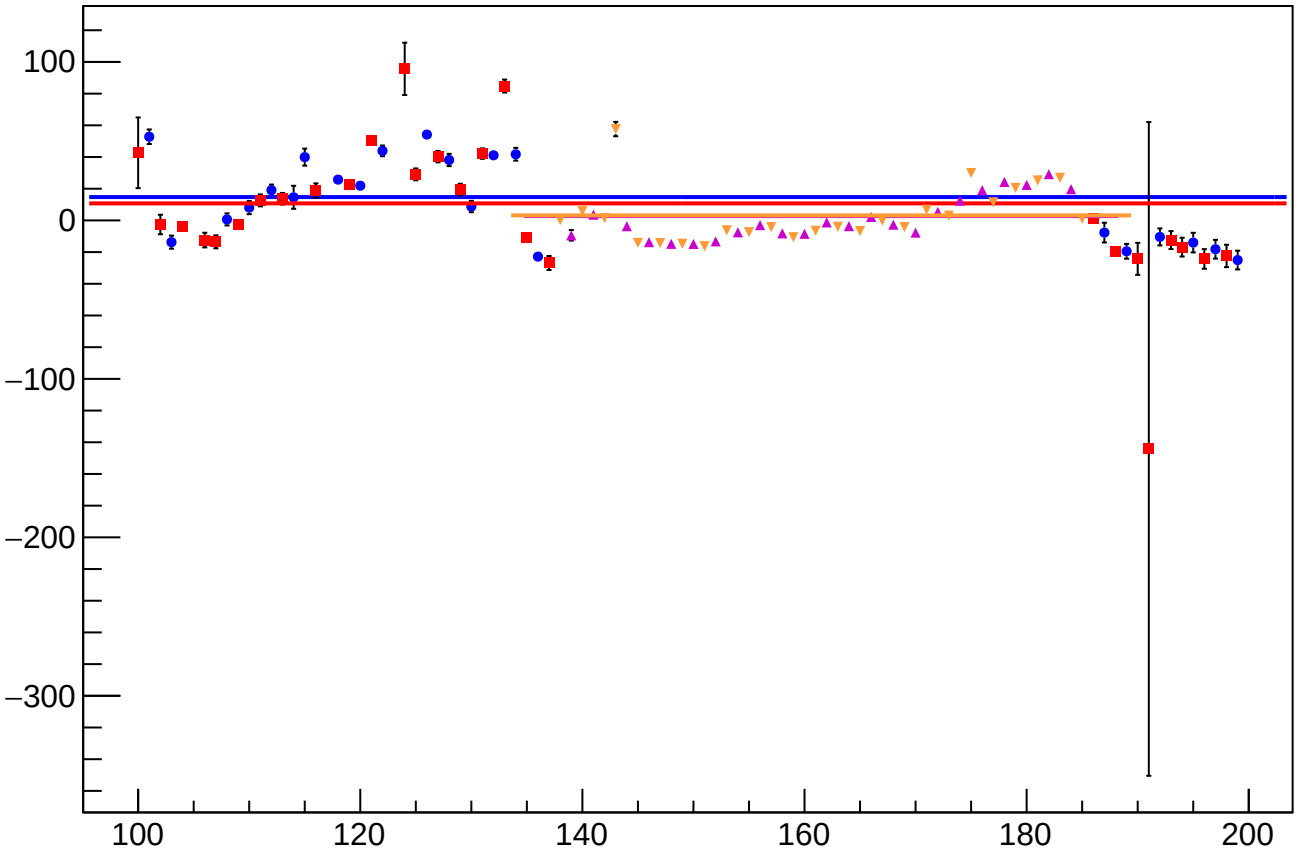
Left: 53.469+/-0.276 χ^2/NDF: 5575.7/47

Right: 127.845+/-0.434 χ^2/NDF: 8070.5/48

In: 72.003+/-0.339 χ^2/NDF:14274.0/44

Out: 77.443+/-0.320 χ^2/NDF:20184.5/51

All: 74.879+/-0.233 χ^2/NDF: 34594.7/96



Right In: 14.721+/-0.805 χ^2/NDF: 1069.1/21

Left Out: 3.155+/-0.340 χ^2/NDF:2012.4/24

Right Out: 10.744+/-0.762 χ^2/NDF: 1192.4/26

Left In: 2.722+/-0.347 χ^2/NDF:1735.2/22

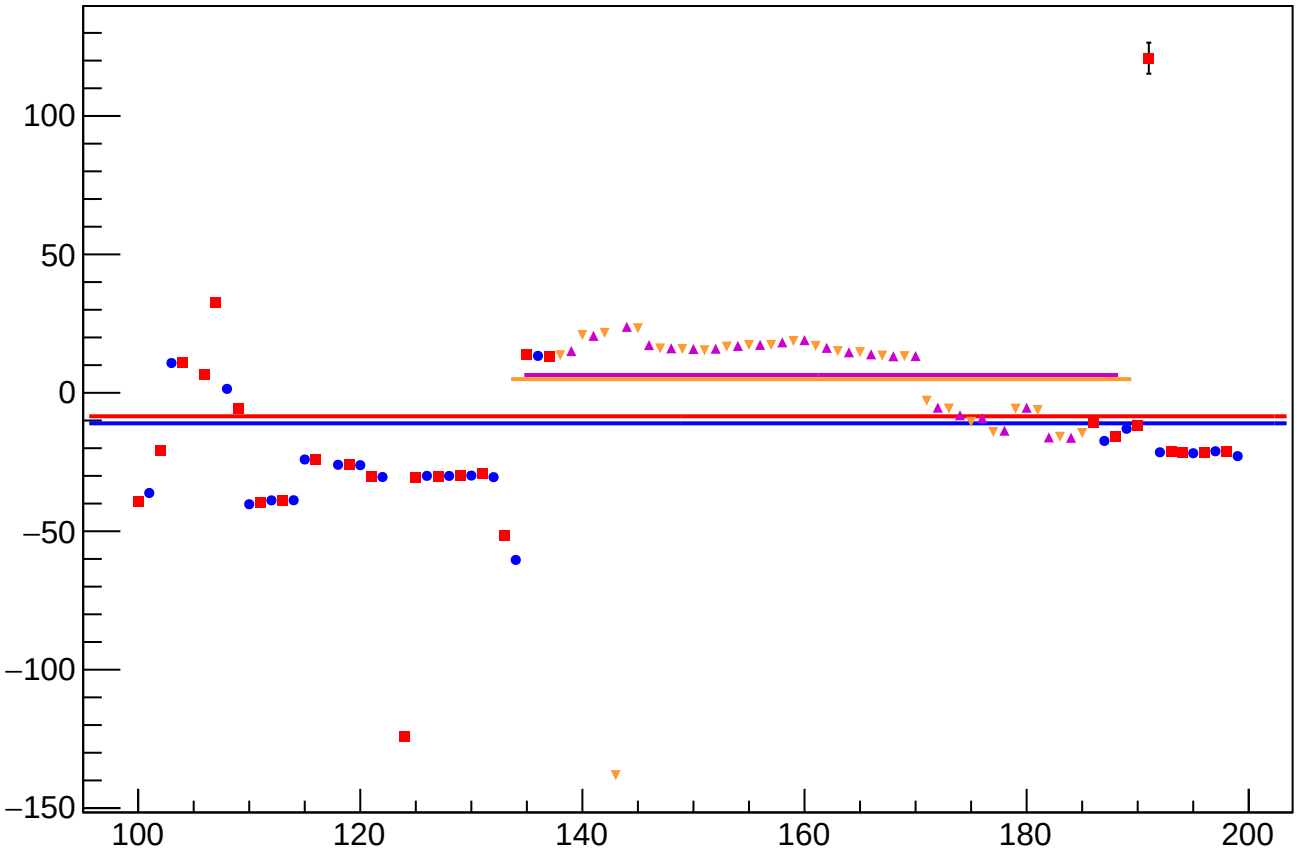
Left: 2.943+/-0.243 χ^2/NDF: 3748.4/47

Right: 12.622+/-0.553 χ^2/NDF: 2274.3/48

In: 4.598+/-0.318 χ^2/NDF:2991.5/44

Out: 4.415+/-0.310 χ^2/NDF:3287.6/51

All: 4.504+/-0.222 χ^2/NDF: 6279.3/96



Right In: -11.012+/-0.040 χ^2/NDF: 286869.8/21

Left Out: 4.946+/-0.015 χ^2/NDF:1136506.7/24

Right Out: -8.474+/-0.039 χ^2/NDF: 257485.3/26

Left In: 6.444+/-0.015 χ^2/NDF:729692.1/22

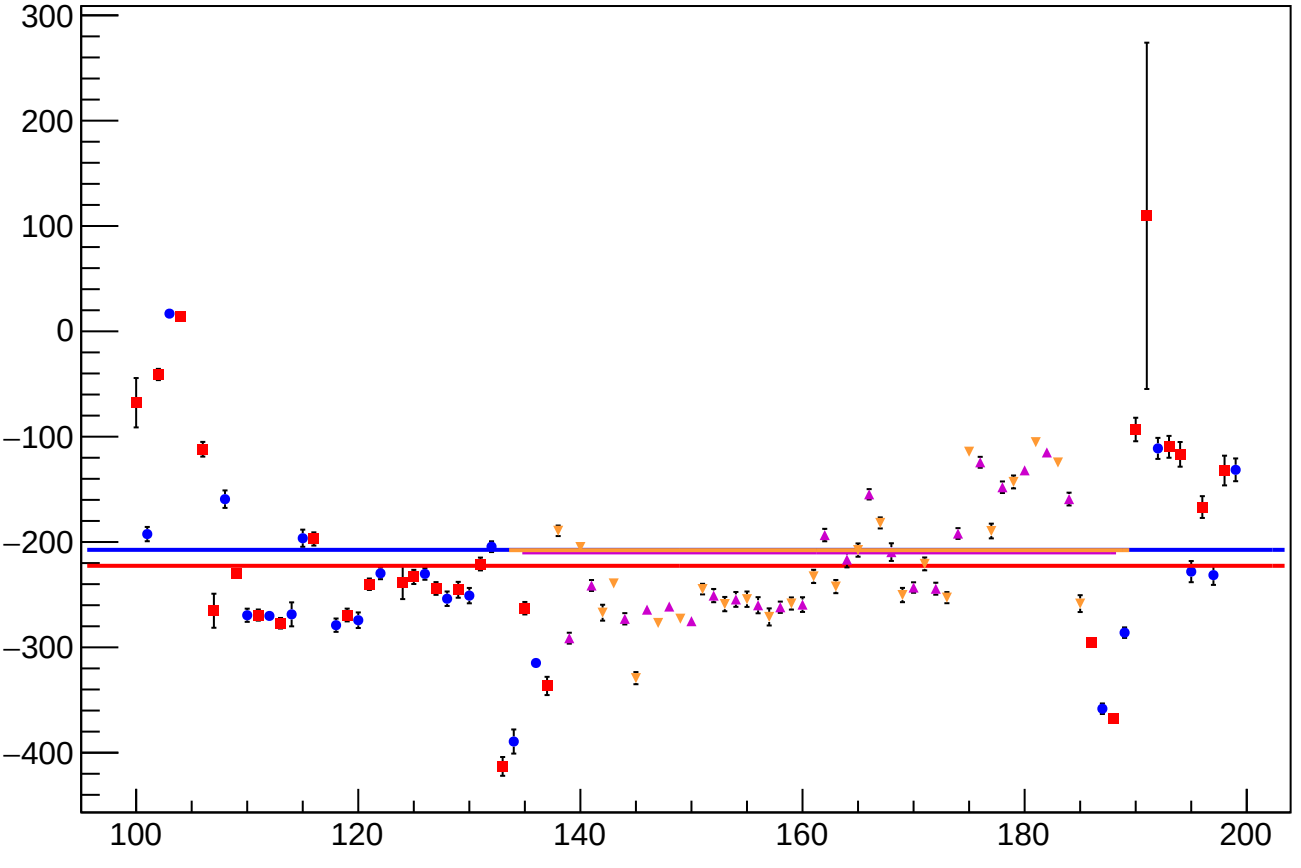
Left: 5.689+/-0.011 χ^2/NDF: 1871009.0/47

Right: -9.731+/-0.028 χ^2/NDF: 546403.4/48

In: 4.192+/-0.014 χ^2/NDF:1183721.4/44

Out: 3.208+/-0.014 χ^2/NDF:1494703.7/51

All: 3.696+/-0.010 χ^2/NDF: 2680805.9/96



Right In: -207.432+/-1.273 χ^2/NDF: 8667.1/21

Left Out: -207.745+/-1.070 χ^2/NDF:3487.2/24

Right Out: -222.588+/-1.136 χ^2/NDF: 12006.3/26

Left In: -209.875+/-1.101 χ^2/NDF:3011.9/22

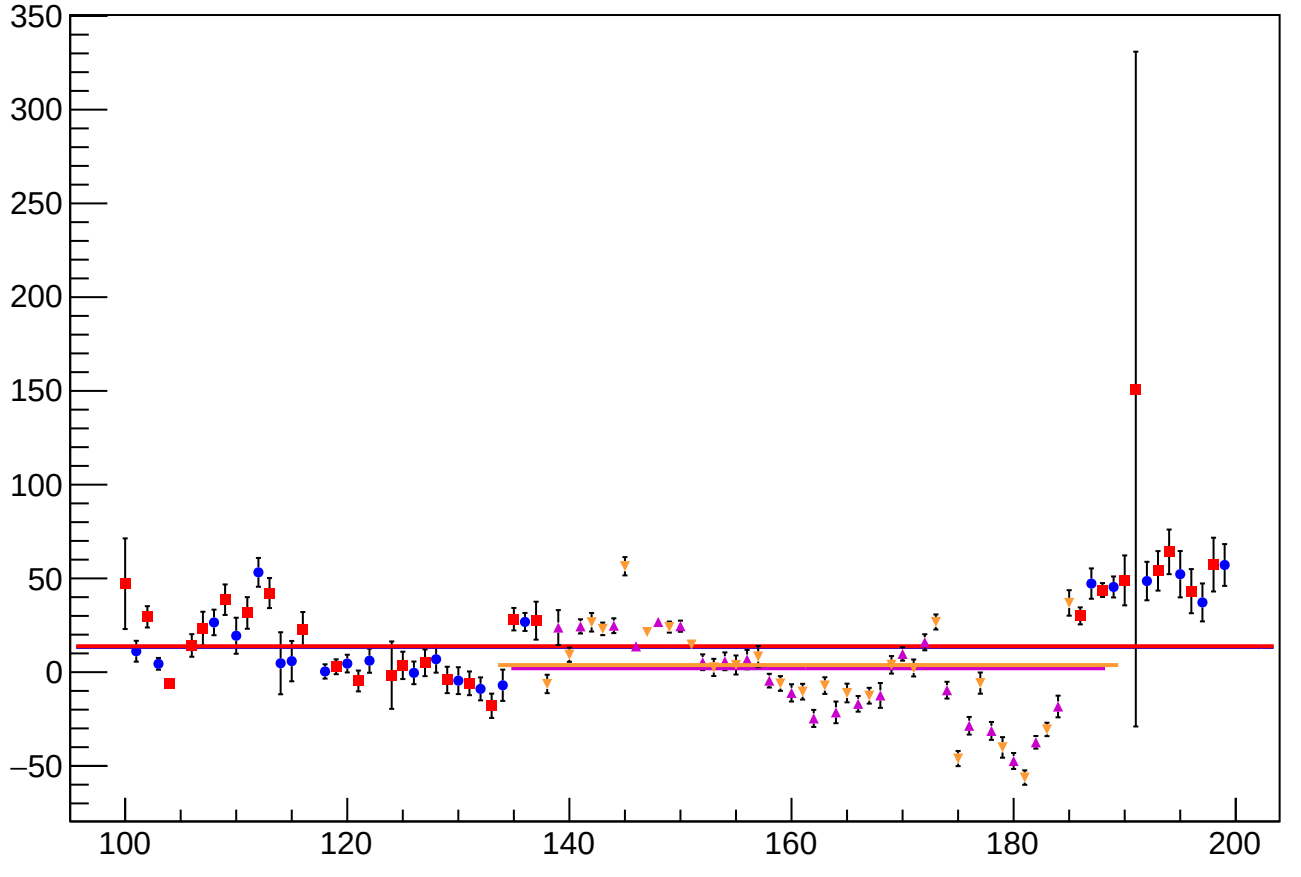
Left: -208.779+/-0.767 χ^2/NDF: 6500.9/47

Right: -215.870+/-0.848 χ^2/NDF: 20752.3/48

In: -208.829+/-0.833 χ^2/NDF:11681.1/44

Out: -214.721+/-0.779 χ^2/NDF:15584.0/51

All: -211.973+/-0.569 χ^2/NDF: 27291.7/96



Right In: 13.454+/-1.331 χ^2/NDF: 188.5/21

Left Out: 3.770+/-0.787 χ^2/NDF:972.1/24

Right Out: 13.805+/-1.195 χ^2/NDF: 310.7/26

Left In: 2.079+/-0.820 χ^2/NDF:770.2/22

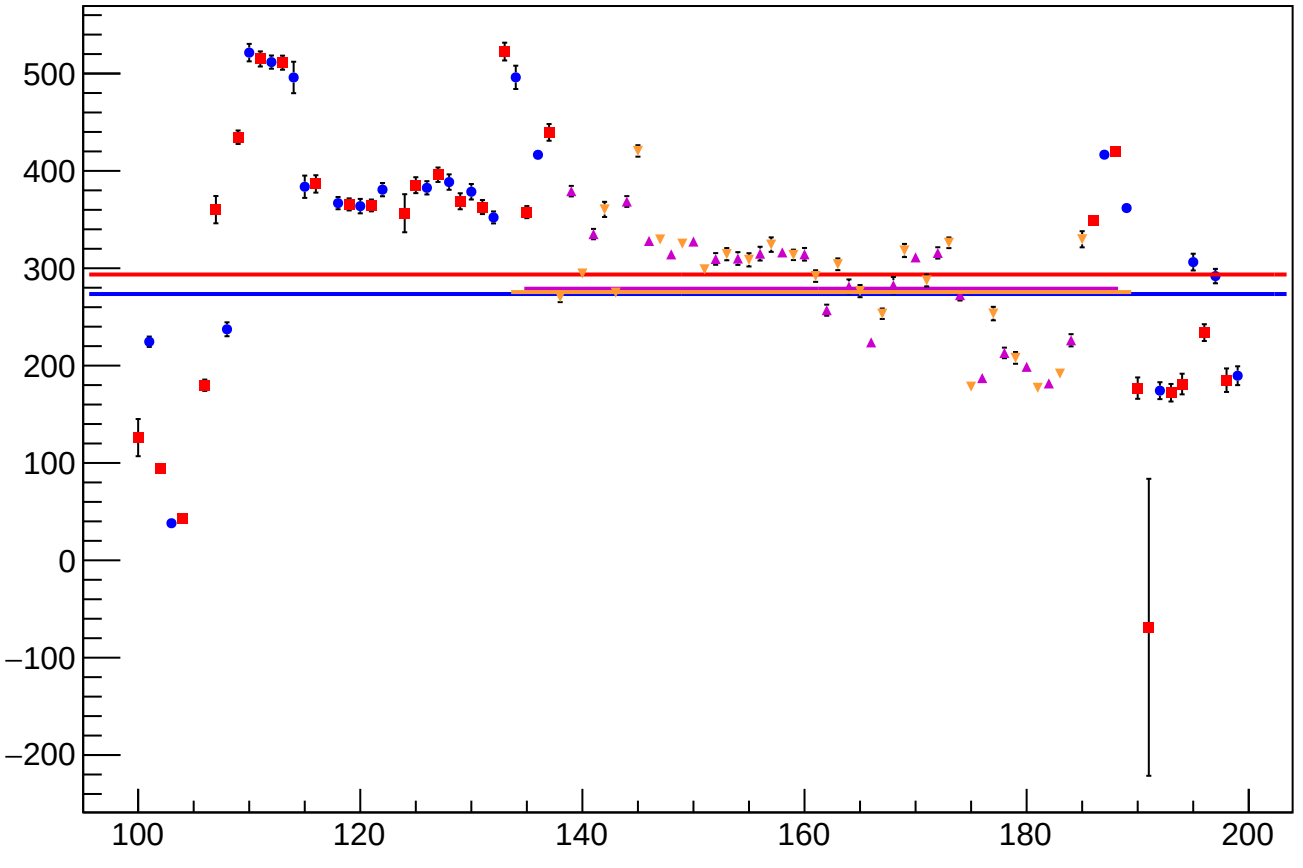
Left: 2.959+/-0.568 χ^2/NDF: 1744.5/47

Right: 13.648+/-0.889 χ^2/NDF: 499.3/48

In: 5.209+/-0.698 χ^2/NDF:1011.6/44

Out: 6.807+/-0.657 χ^2/NDF:1332.0/51

All: 6.056+/-0.479 χ^2/NDF: 2346.4/96



Right In: 273.525+/-1.224 χ^2/NDF: 17495.4/21

Left Out: 275.536+/-1.062 χ^2/NDF:3323.1/24

Right Out: 293.573+/-1.062 χ^2/NDF: 21620.4/26

Left In: 278.989+/-1.089 χ^2/NDF:3114.7/22

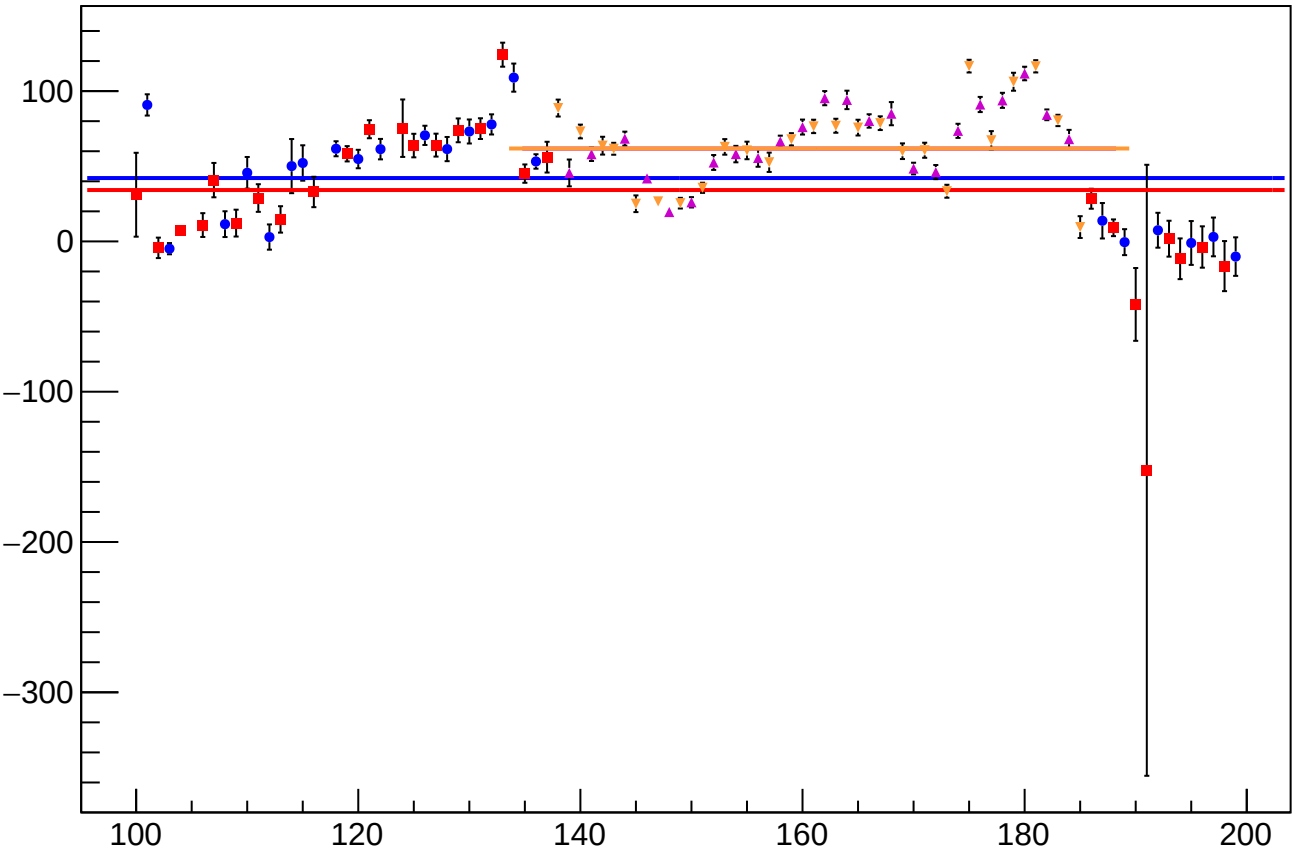
Left: 277.219+/-0.760 χ^2/NDF: 6443.0/47

Right: 284.965+/-0.802 χ^2/NDF: 39269.0/48

In: 276.575+/-0.813 χ^2/NDF:20621.2/44

Out: 284.557+/-0.751 χ^2/NDF:25087.9/51

All: 280.885+/-0.552 χ^2/NDF: 45761.1/96



Right In: 42.157+/-1.573 χ^2/NDF: 468.0/21

Left Out: 61.818+/-0.907 χ^2/NDF:959.5/24

Right Out: 34.178+/-1.458 χ^2/NDF: 493.4/26

Left In: 61.763+/-0.939 χ^2/NDF:736.0/22

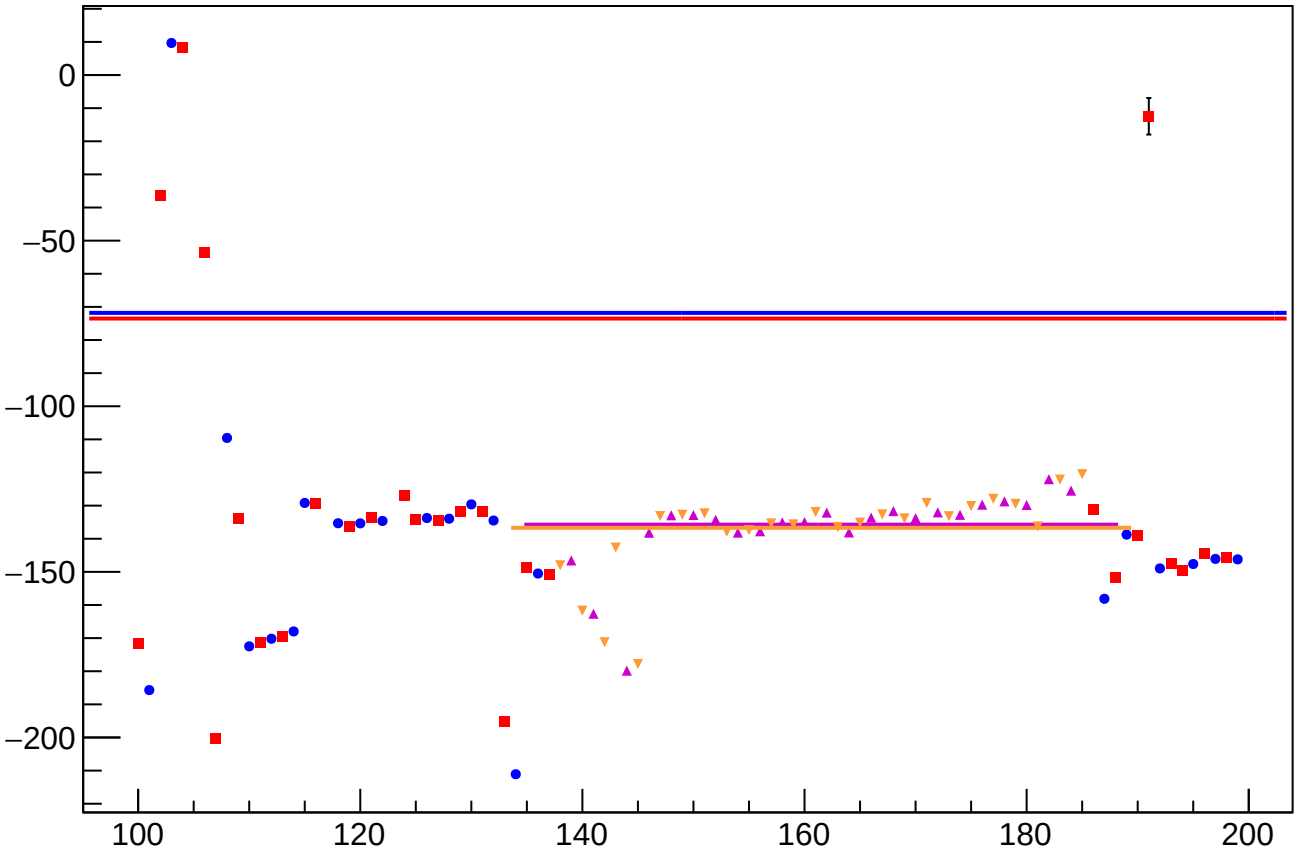
Left: 61.791+/-0.652 χ^2/NDF: 1695.5/47

Right: 37.866+/-1.069 χ^2/NDF: 975.2/48

In: 56.613+/-0.806 χ^2/NDF:1318.6/44

Out: 54.098+/-0.770 χ^2/NDF:1711.9/51

All: 55.299+/-0.557 χ^2/NDF: 3035.7/96



Right In: -71.805+/-0.067 χ^2/NDF: 1441228.0/21

Left Out: -136.695+/-0.042 χ^2/NDF:79006.9/24

Right Out: -73.515+/-0.067 χ^2/NDF: 1130925.3/26

Left In: -135.745+/-0.043 χ^2/NDF:63681.9/22

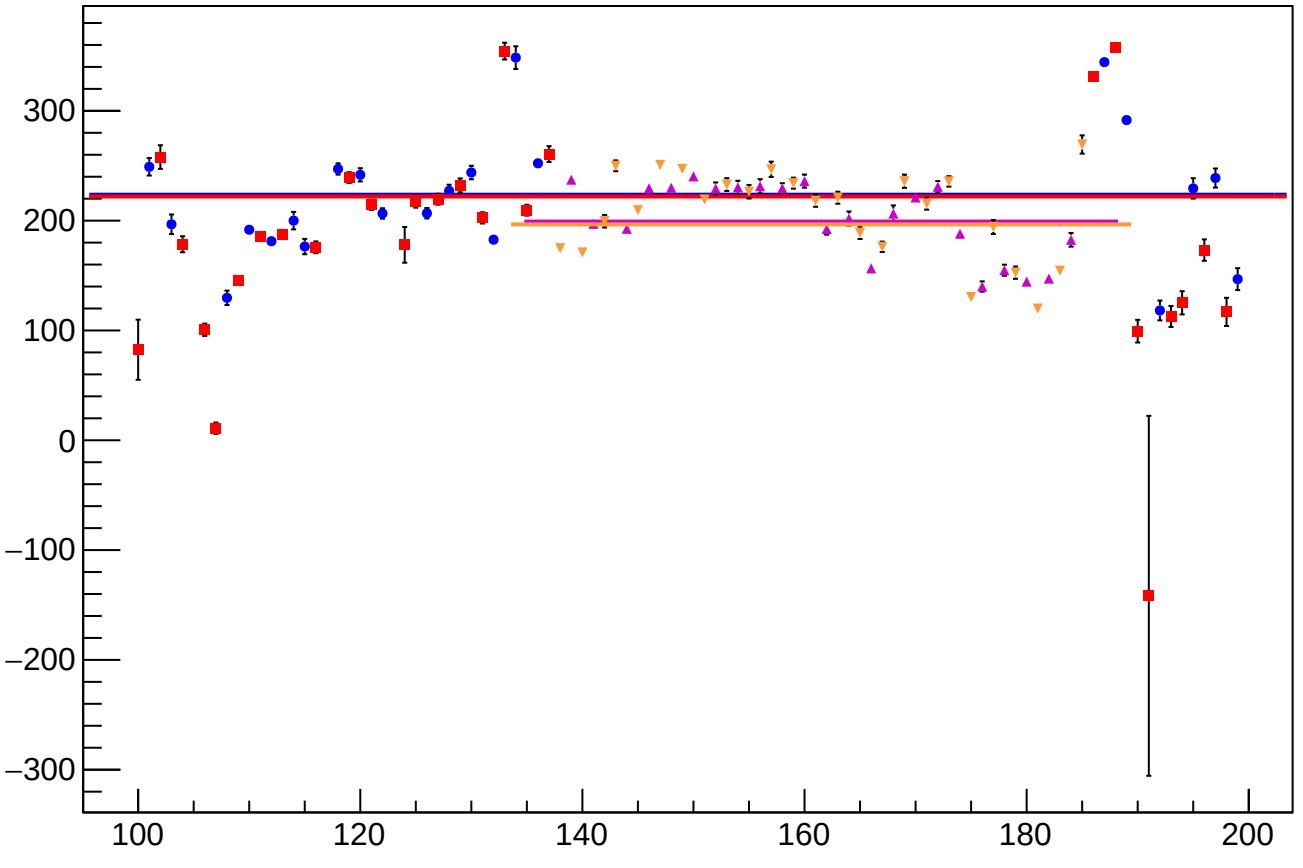
Left: -136.226+/-0.030 χ^2/NDF: 142938.0/47

Right: -72.658+/-0.047 χ^2/NDF: 2572477.6/48

In: -117.239+/-0.036 χ^2/NDF:2150734.8/44

Out: -118.805+/-0.036 χ^2/NDF:1843197.6/51

All: -118.029+/-0.025 χ^2/NDF: 3994882.8/96



Right In: 223.627+/-1.163 χ^2/NDF: 2013.6/21

Left Out: 196.615+/-0.946 χ^2/NDF:2075.5/24

Right Out: 221.975+/-1.007 χ^2/NDF: 7930.5/26

Left In: 199.153+/-0.973 χ^2/NDF:1294.6/22

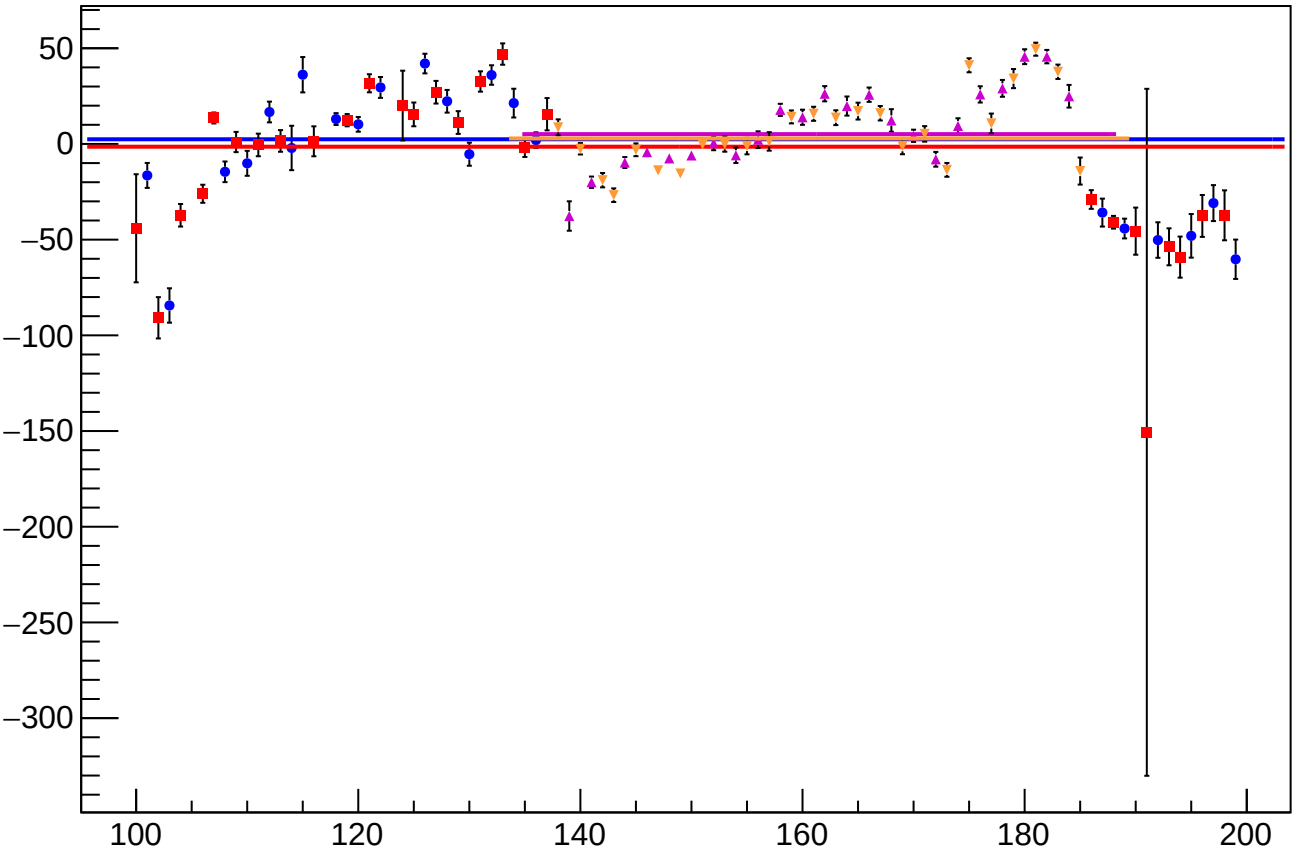
Left: 197.849+/-0.678 χ^2/NDF: 3373.6/47

Right: 222.683+/-0.761 χ^2/NDF: 9945.3/48

In: 209.230+/-0.746 χ^2/NDF:3568.9/44

Out: 208.508+/-0.690 χ^2/NDF:10342.7/51

All: 208.841+/-0.506 χ^2/NDF: 13912.1/96


reg_asym_atl1r2_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
50
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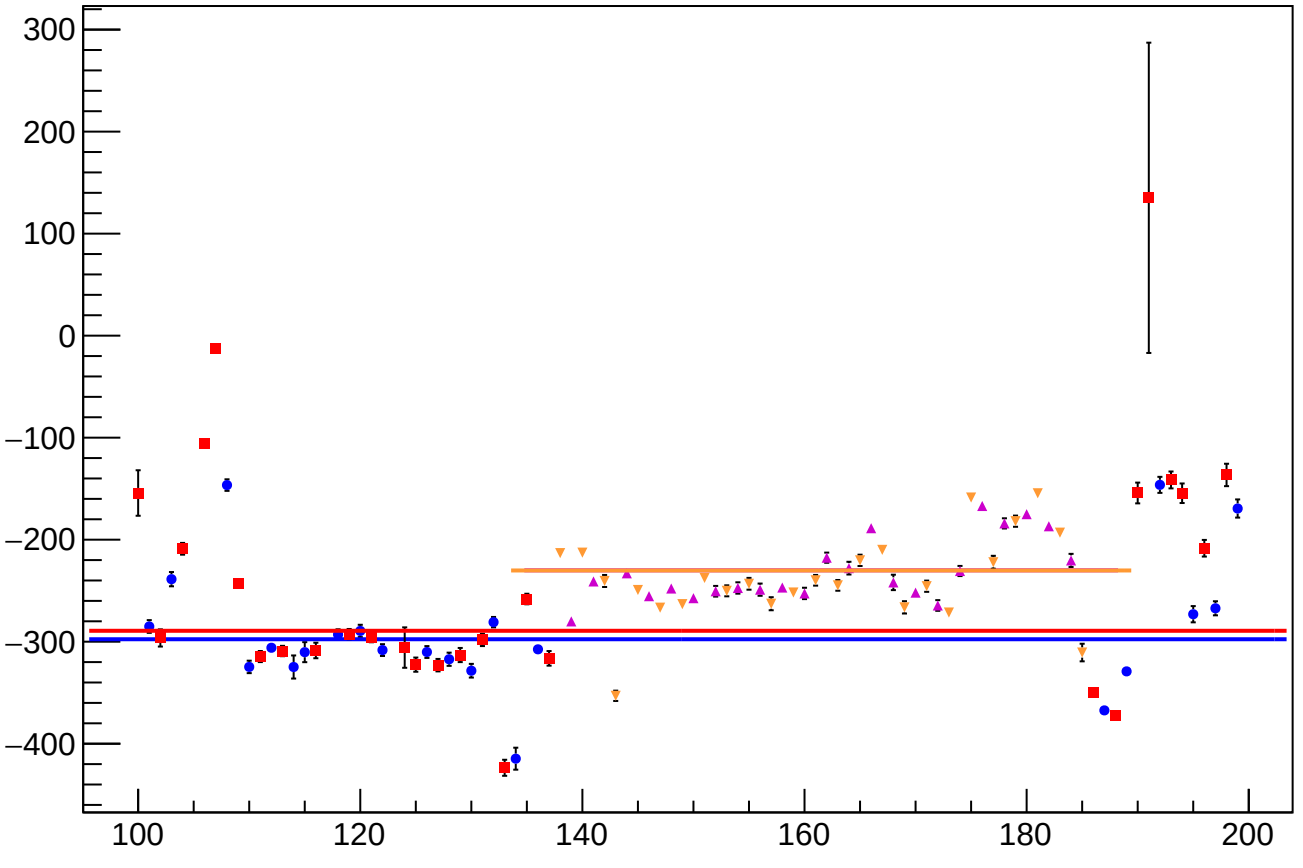
−100
−150
−200
−250
−300
100
120
140
160
180
200
Right In: 2.440+/-1.231 χ²/NDF: 509.1/21
Left Out: 2.870+/-0.693 χ²/NDF:752.8/24
Right Out: -1.440+/-1.091 χ²/NDF: 651.7/26
Left In: 5.126+/-0.718 χ²/NDF:628.6/22
Left: 3.958+/-0.499 χ²/NDF: 1386.5/47
Right: 0.267+/-0.817 χ²/NDF: 1166.4/48
In: 4.444+/-0.620 χ²/NDF:1141.3/44
Out: 1.632+/-0.585 χ²/NDF:1415.6/51
All: 2.956+/-0.426 χ²/NDF: 2567.7/96



Right In: -297.598+/-1.220 χ^2/NDF: 2025.1/21

Left Out: -230.182+/-0.939 χ^2/NDF:2181.9/24

Right Out: -289.305+/-1.019 χ^2/NDF: 9469.9/26

Left In: -230.047+/-0.961 χ^2/NDF:1094.0/22

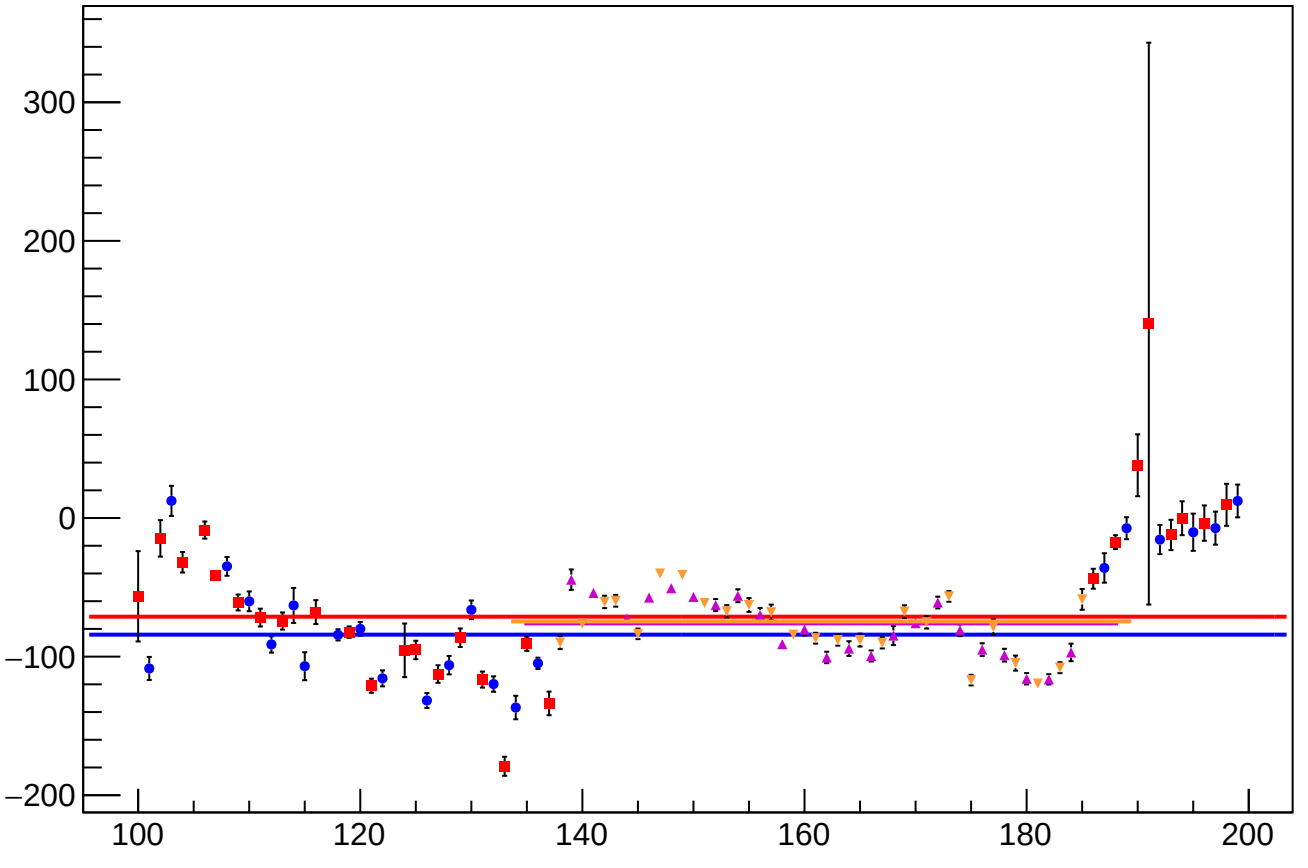
Left: -230.116+/-0.672 χ^2/NDF: 3275.9/47

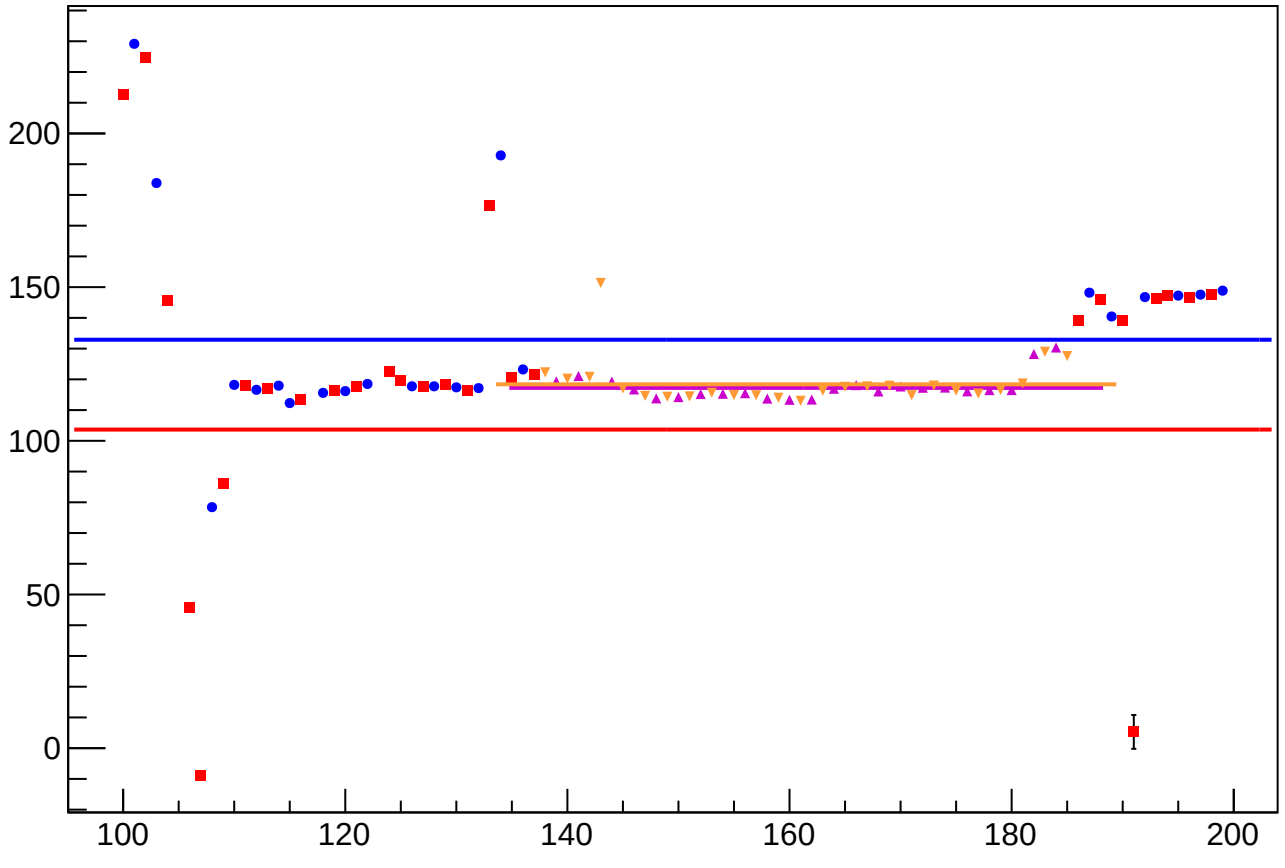
Right: -292.712+/-0.782 χ^2/NDF: 11522.2/48

In: -255.917+/-0.755 χ^2/NDF:5011.5/44

Out: -257.346+/-0.690 χ^2/NDF:13473.3/51

All: -256.695+/-0.509 χ^2/NDF: 18486.7/96


reg_asym_atl1r2_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
300
200
100
0
−100
−200
100
120
140
160
180
200
Right In: -84.154+/-1.446 χ²/NDF: 686.7/21
Left Out: -74.644+/-0.801 χ²/NDF:831.0/24
Right Out: -71.184+/-1.313 χ²/NDF: 1033.4/26
Left In: -76.025+/-0.824 χ²/NDF:646.0/22
Left: -75.315+/-0.574 χ²/NDF: 1478.5/47
Right: -77.045+/-0.972 χ²/NDF: 1764.2/48
In: -78.018+/-0.716 χ²/NDF:1356.6/44
Out: -73.706+/-0.684 χ²/NDF:1869.5/51
All: -75.762+/-0.494 χ²/NDF: 3245.0/96



Right In: 132.892+/-0.078 χ^2/NDF: 193146.5/21

Left Out: 118.382+/-0.037 χ^2/NDF:34938.1/24

Right Out: 103.662+/-0.070 χ^2/NDF: 712390.4/26

Left In: 117.225+/-0.038 χ^2/NDF:10227.9/22

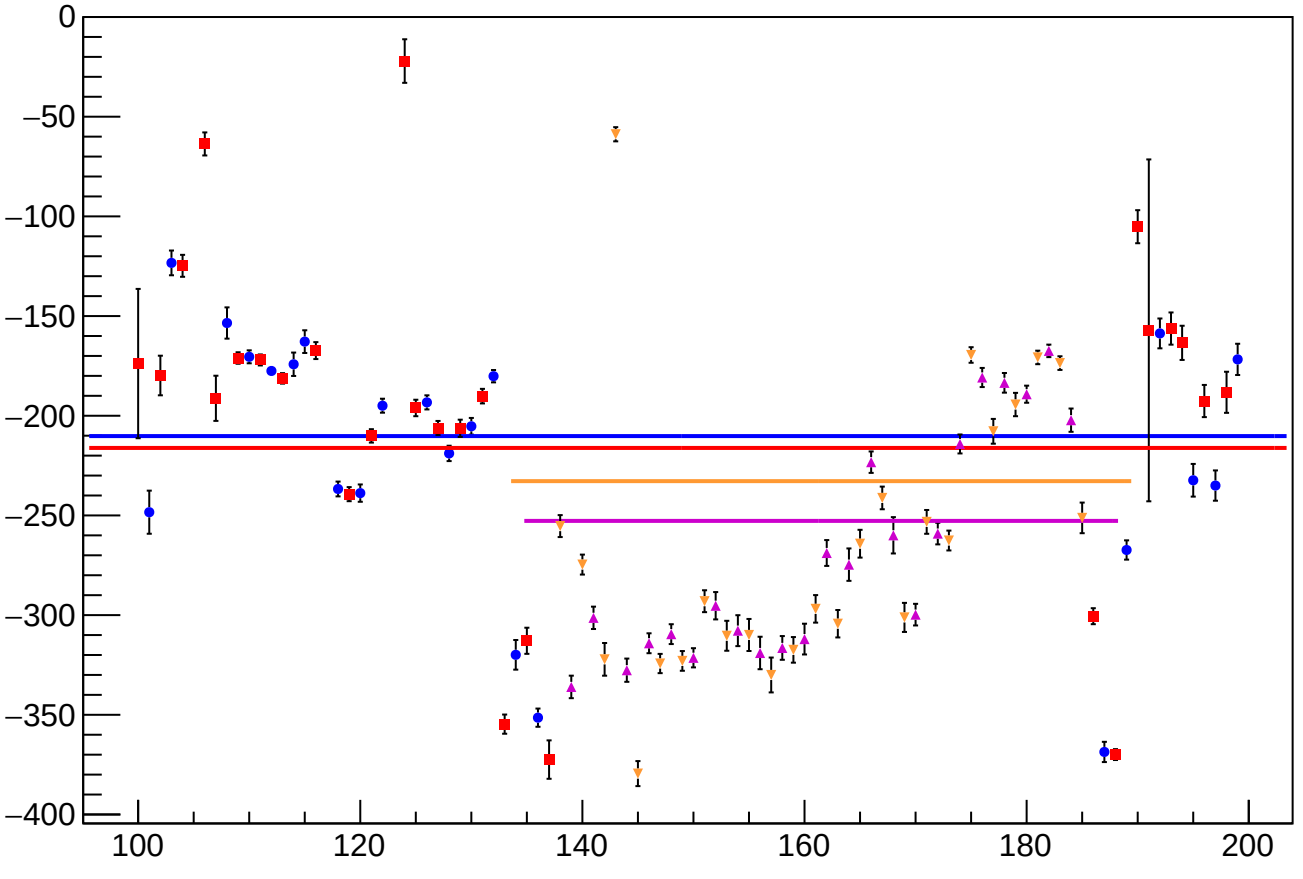
Left: 117.809+/-0.026 χ^2/NDF: 45643.3/47

Right: 116.620+/-0.052 χ^2/NDF: 983869.3/48

In: 120.184+/-0.034 χ^2/NDF:236162.7/44

Out: 115.096+/-0.033 χ^2/NDF:782137.4/51

All: 117.563+/-0.024 χ^2/NDF: 1029928.8/96



Right In: -210.201+/-0.953 χ^2/NDF: 3306.4/21

Left Out: -232.800+/-1.072 χ^2/NDF:5764.0/24

Right Out: -216.144+/-0.871 χ^2/NDF: 7456.2/26

Left In: -252.738+/-1.131 χ^2/NDF:2913.9/22

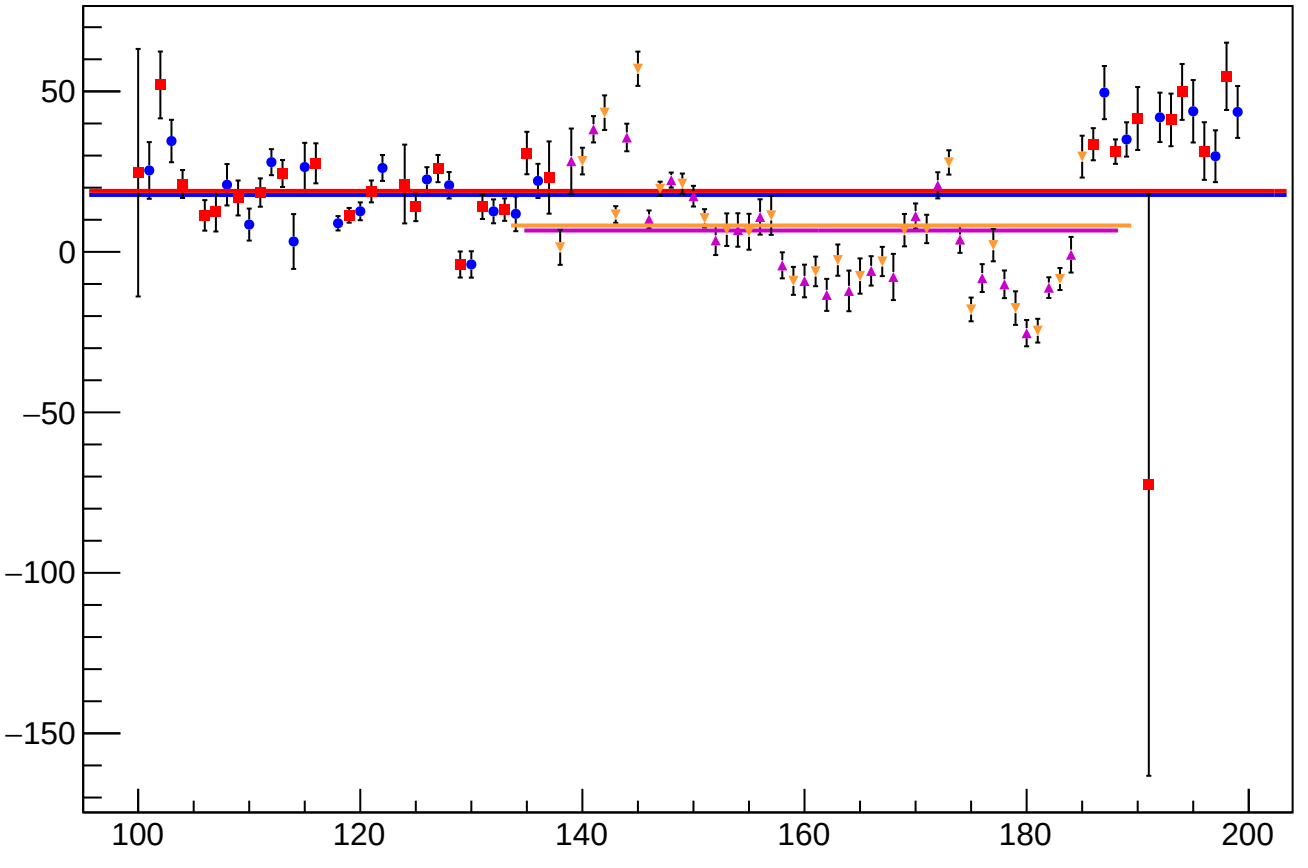
Left: -242.237+/-0.778 χ^2/NDF: 8841.6/47

Right: -213.439+/-0.643 χ^2/NDF: 10783.8/48

In: -227.864+/-0.729 χ^2/NDF:7047.9/44

Out: -222.767+/-0.676 χ^2/NDF:13365.6/51

All: -225.125+/-0.496 χ^2/NDF: 20439.7/96



Right In: 17.737+/-0.991 χ^2/NDF: 133.1/21

Left Out: 8.222+/-0.803 χ^2/NDF:457.9/24

Right Out: 19.003+/-0.954 χ^2/NDF: 130.8/26

Left In: 6.657+/-0.858 χ^2/NDF:354.8/22

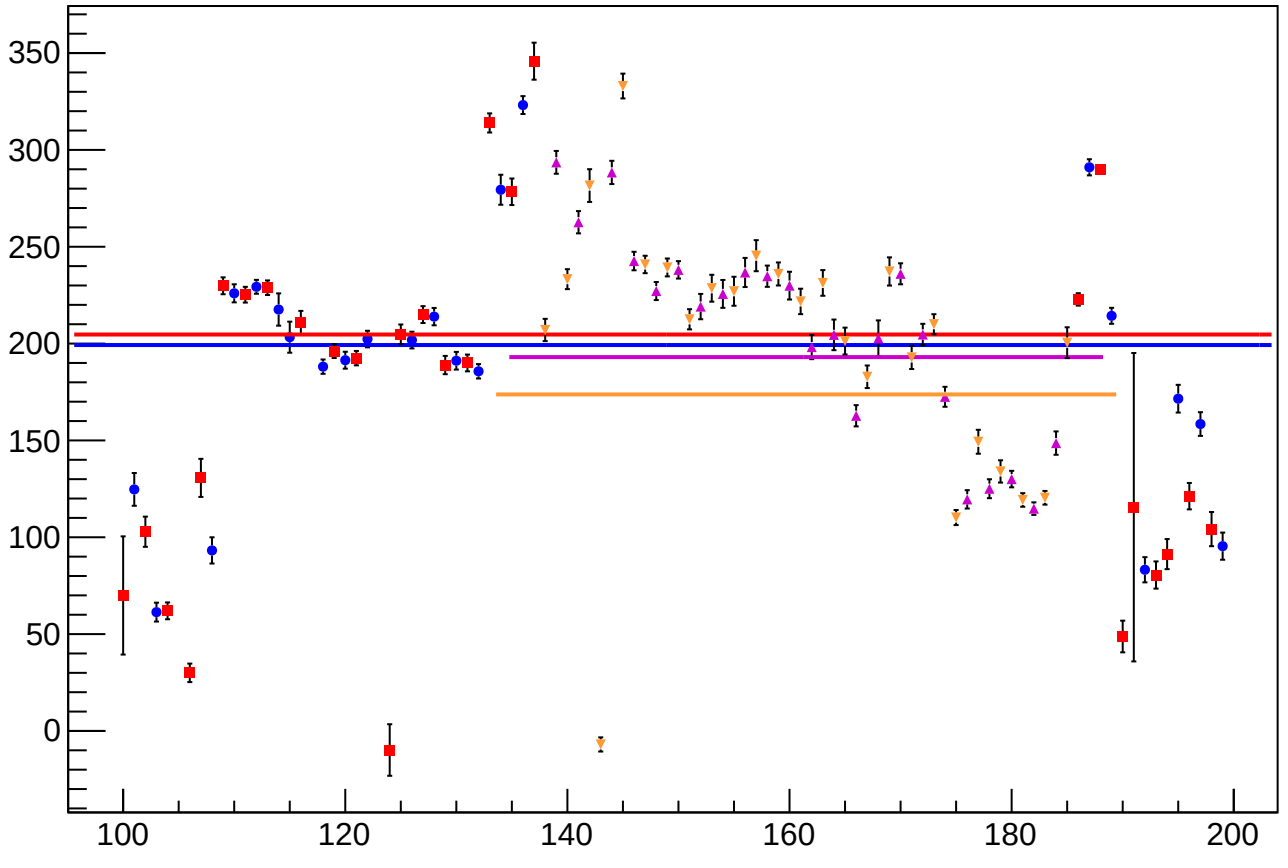
Left: 7.492+/-0.586 χ^2/NDF: 814.5/47

Right: 18.394+/-0.687 χ^2/NDF: 264.7/48

In: 11.407+/-0.649 χ^2/NDF:559.4/44

Out: 12.693+/-0.614 χ^2/NDF:663.5/51

All: 12.085+/-0.446 χ^2/NDF: 1224.9/96



Right In: 199.254+/-1.051 χ^2/NDF: 3195.3/21

Left Out: 173.752+/-1.069 χ^2/NDF:5260.7/24

Right Out: 204.682+/-0.935 χ^2/NDF: 6589.0/26

Left In: 193.026+/-1.122 χ^2/NDF:2512.0/22

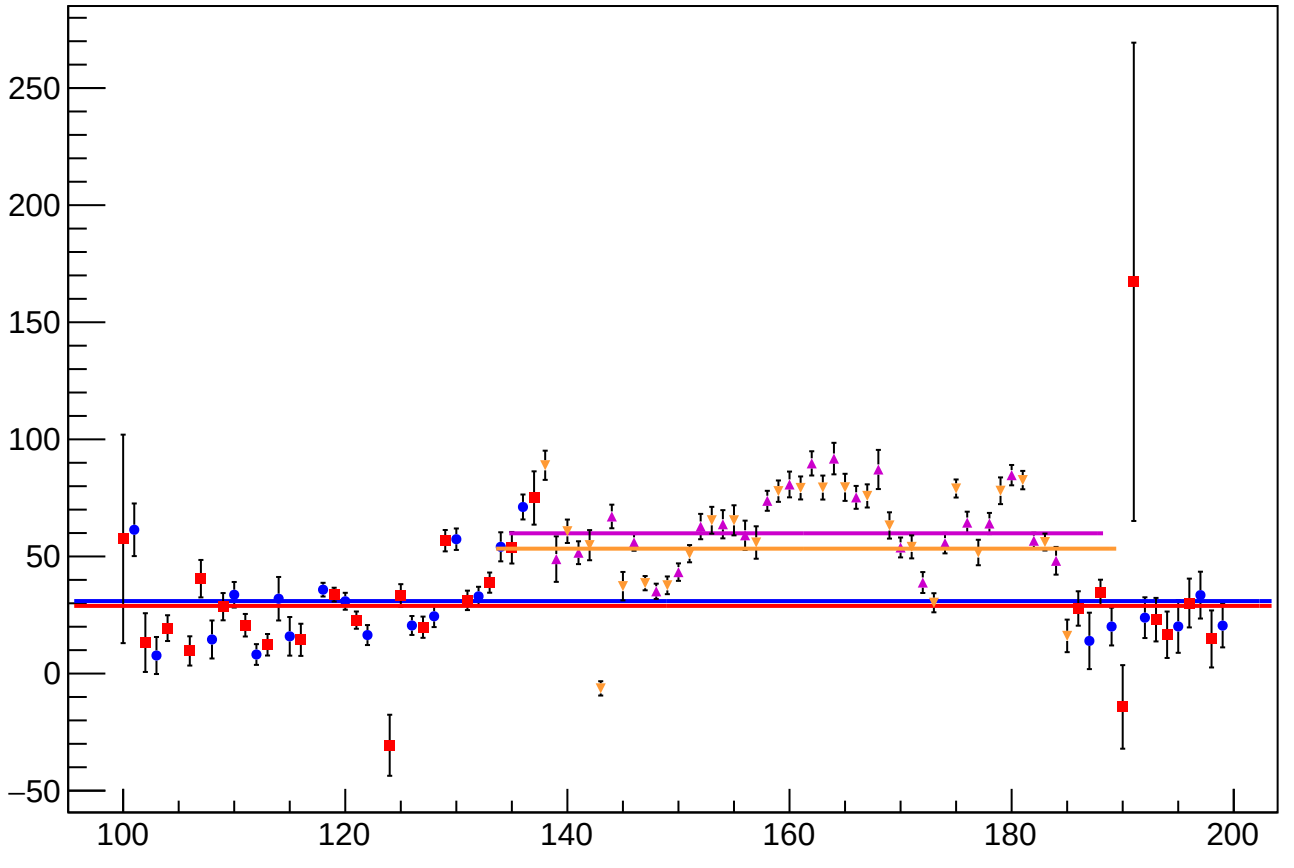
Left: 182.920+/-0.774 χ^2/NDF: 7927.5/47

Right: 202.285+/-0.698 χ^2/NDF: 9799.2/48

In: 196.344+/-0.767 χ^2/NDF:5723.7/44

Out: 191.277+/-0.703 χ^2/NDF:12324.4/51

All: 193.592+/-0.518 χ^2/NDF: 18071.8/96



Right In: 30.955+/-1.162 χ^2/NDF: 184.2/21

Left Out: 53.331+/-0.922 χ^2/NDF:778.9/24

Right Out: 28.894+/-1.125 χ^2/NDF: 153.0/26

Left In: 59.887+/-0.977 χ^2/NDF:251.2/22

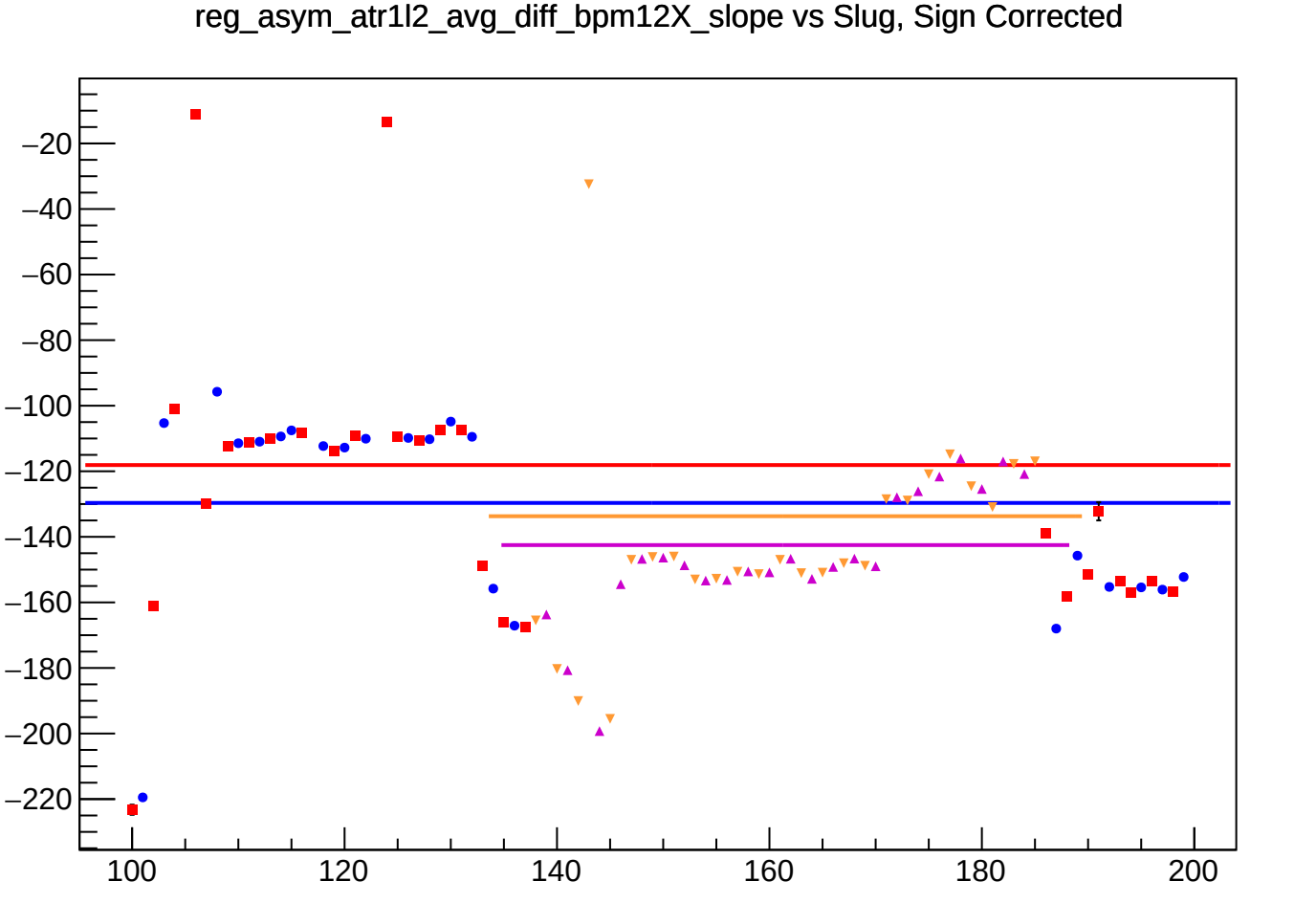
Left: 56.419+/-0.670 χ^2/NDF: 1053.9/47

Right: 29.892+/-0.808 χ^2/NDF: 338.8/48

In: 47.907+/-0.748 χ^2/NDF:798.6/44

Out: 43.522+/-0.713 χ^2/NDF:1214.0/51

All: 45.610+/-0.516 χ^2/NDF: 2030.7/96



Right In: -129.655+/-0.068 χ^2/NDF: 163882.3/21

Left Out: -133.709+/-0.043 χ^2/NDF:675925.6/24

Right Out: -118.104+/-0.064 χ^2/NDF: 465428.9/26

Left In: -142.518+/-0.044 χ^2/NDF:178481.1/22

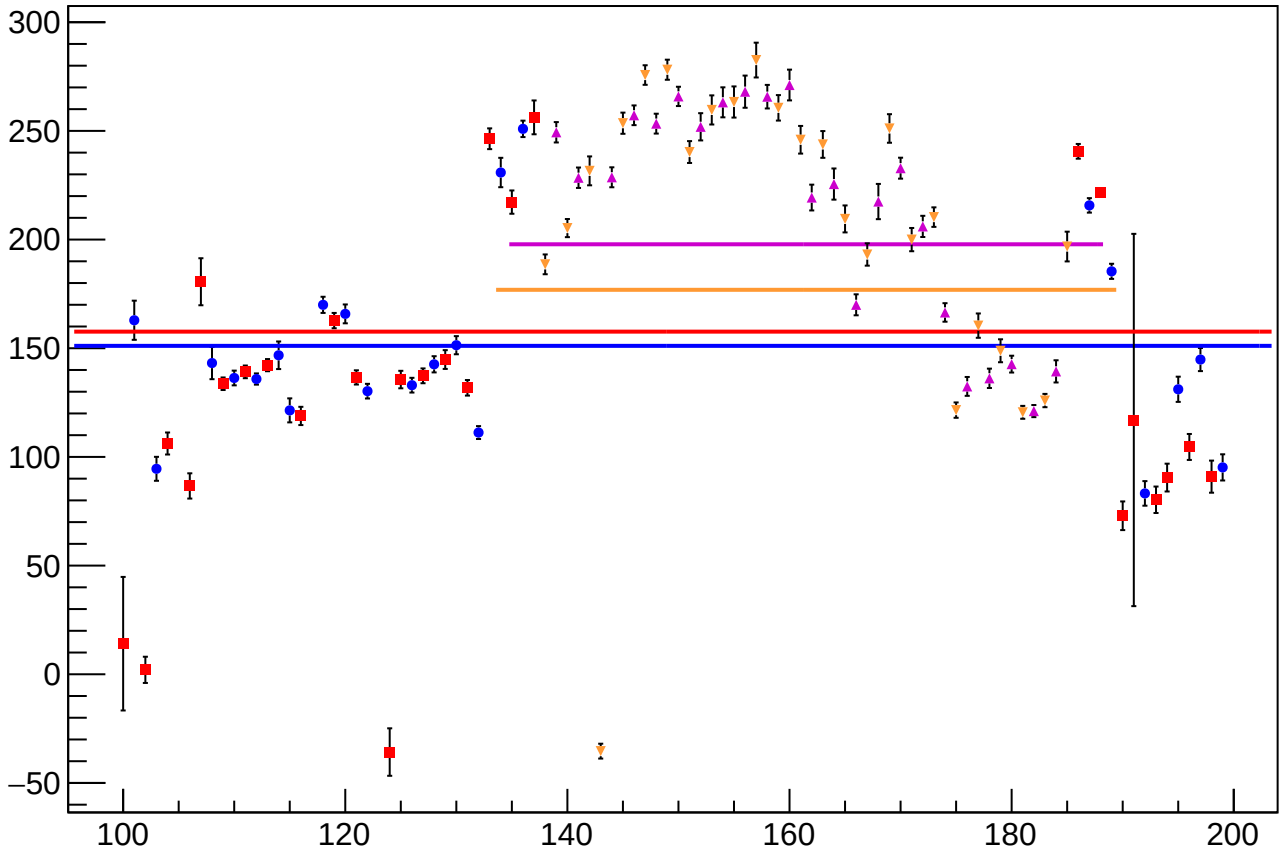
Left: -137.954+/-0.031 χ^2/NDF: 874788.8/47

Right: -123.557+/-0.047 χ^2/NDF: 644453.3/48

In: -138.688+/-0.037 χ^2/NDF:367335.5/44

Out: -128.933+/-0.036 χ^2/NDF:1181978.4/51

All: -133.605+/-0.026 χ^2/NDF: 1585107.2/96



Right In: 151.099+/-0.880 χ^2/NDF: 2035.9/21

Left Out: 176.884+/-0.958 χ^2/NDF:7424.8/24

Right Out: 157.642+/-0.789 χ^2/NDF: 4770.4/26

Left In: 197.829+/-1.006 χ^2/NDF:2968.0/22

Left: 186.838+/-0.694 χ^2/NDF: 10620.2/47

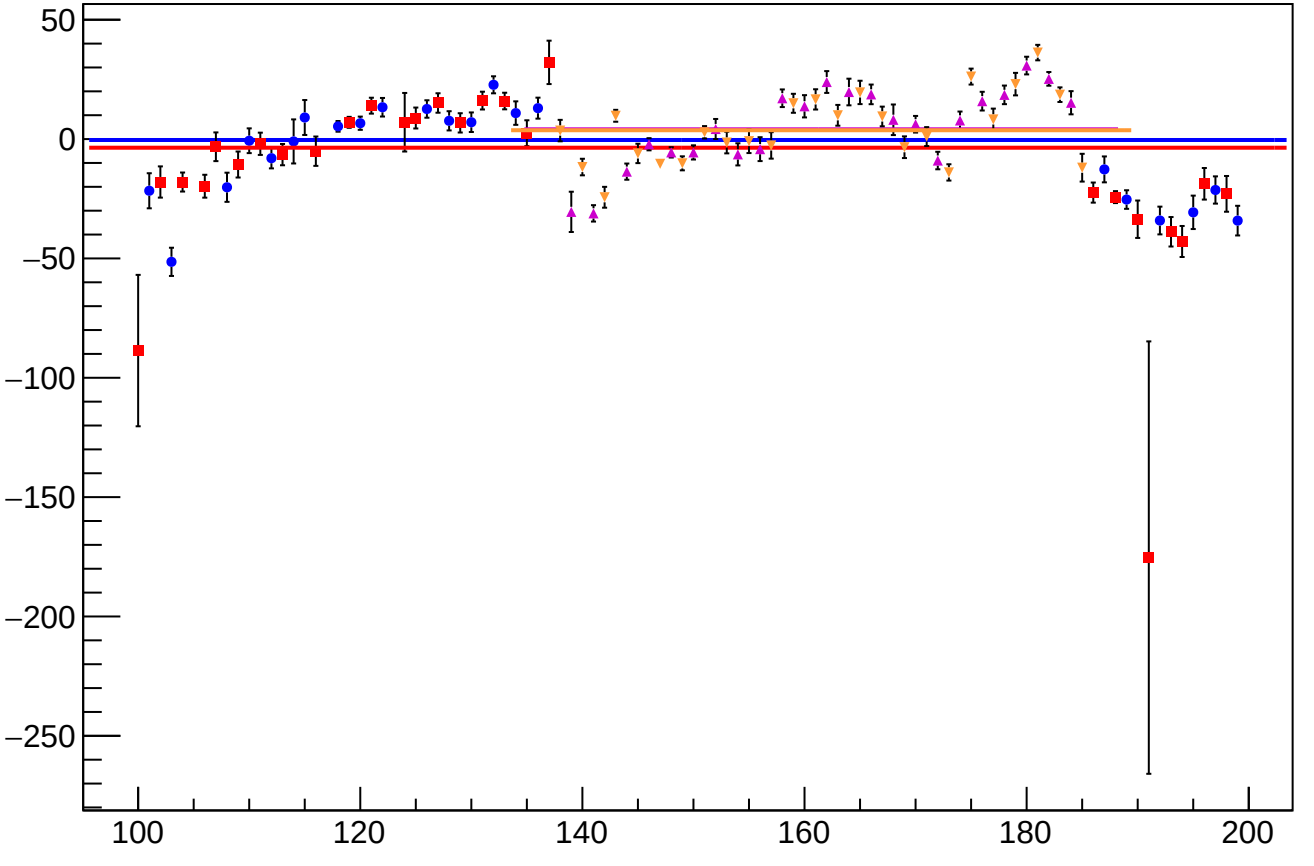
Right: 154.729+/-0.587 χ^2/NDF: 6836.9/48

In: 171.364+/-0.663 χ^2/NDF:6225.5/44

Out: 165.420+/-0.609 χ^2/NDF:12435.8/51

All: 168.141+/-0.448 χ^2/NDF: 18704.9/96

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.383+/-0.926 χ^2/NDF: 341.8/21

Left Out: 3.708+/-0.723 χ^2/NDF:400.9/24

Right Out: -3.617+/-0.877 χ^2/NDF: 388.5/26

Left In: 4.102+/-0.769 χ^2/NDF:398.9/22

Left: 3.893+/-0.527 χ^2/NDF: 800.0/47

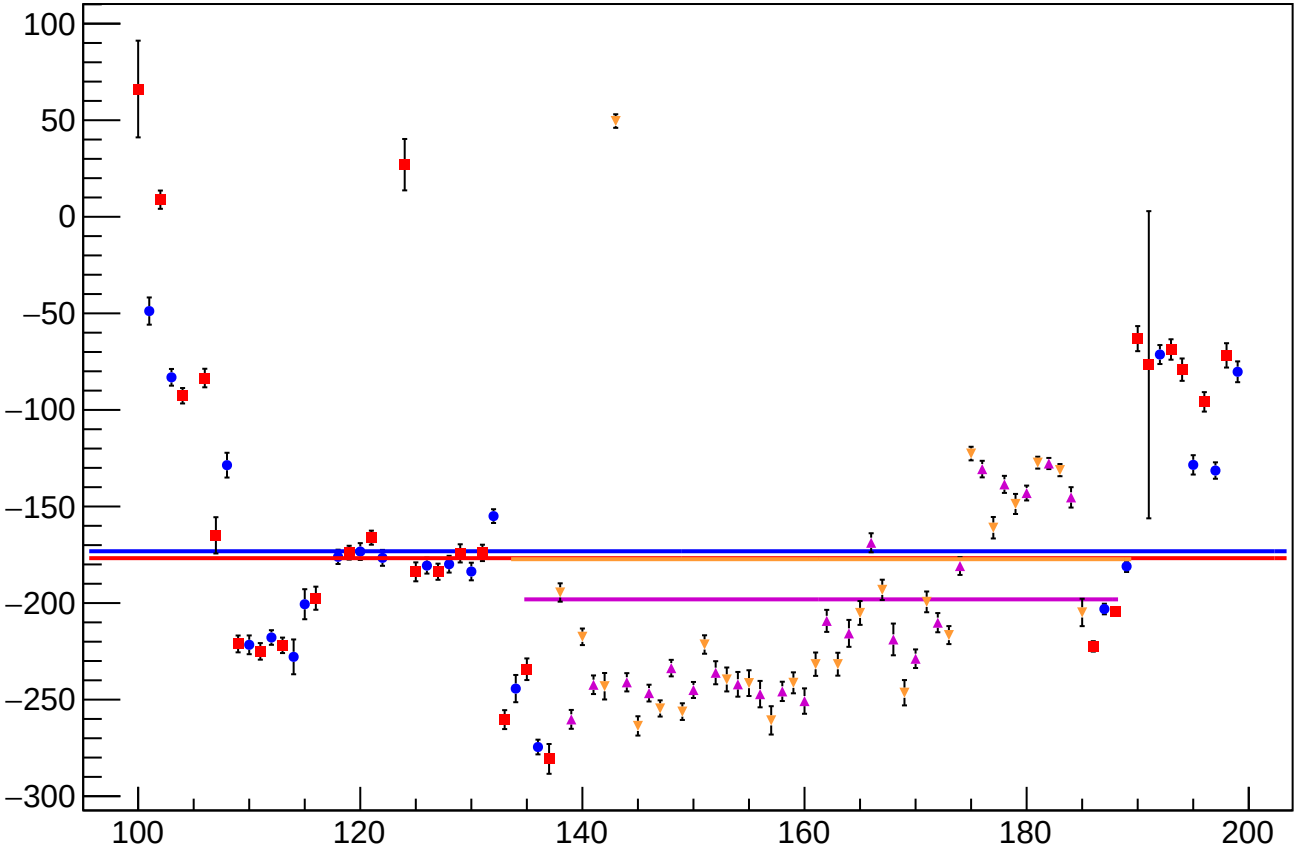
Right: -2.087+/-0.637 χ^2/NDF: 736.7/48

In: 2.272+/-0.592 χ^2/NDF:754.6/44

Out: 0.743+/-0.558 χ^2/NDF:831.0/51

All: 1.463+/-0.406 χ^2/NDF: 1589.1/96

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -173.169+/-0.923 χ^2/NDF: 2957.4/21

Left Out: -177.283+/-0.956 χ^2/NDF:7040.0/24

Right Out: -176.756+/-0.794 χ^2/NDF: 5858.4/26

Left In: -198.088+/-1.000 χ^2/NDF:2386.2/22

Left: -187.218+/-0.691 χ^2/NDF: 9652.4/47

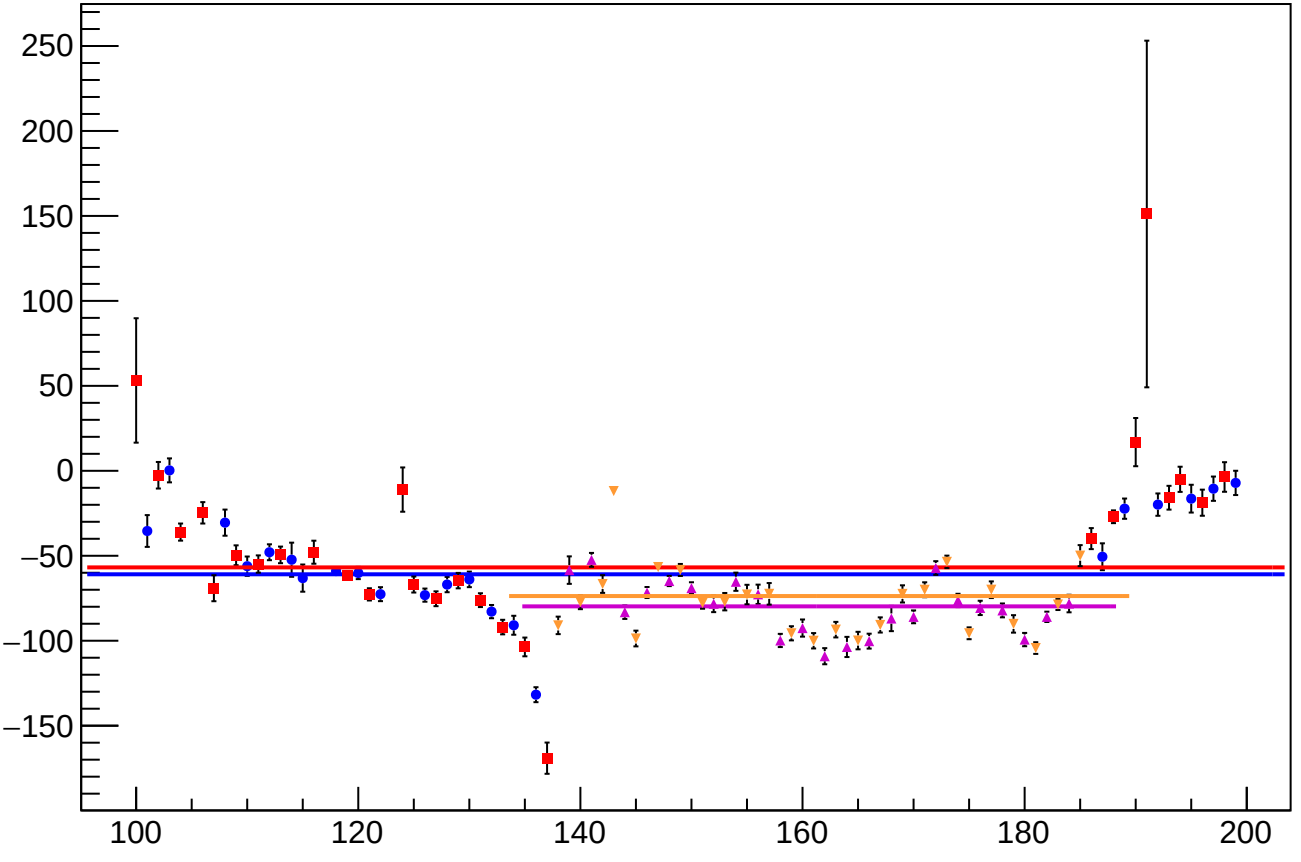
Right: -175.231+/-0.602 χ^2/NDF: 8824.5/48

In: -184.634+/-0.678 χ^2/NDF:5678.9/44

Out: -176.971+/-0.611 χ^2/NDF:12898.6/51

All: -180.402+/-0.454 χ^2/NDF: 18647.9/96

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -60.901+/-1.092 χ^2/NDF: 666.2/21

Left Out: -73.706+/-0.829 χ^2/NDF:839.6/24

Right Out: -56.842+/-1.051 χ^2/NDF: 726.1/26

Left In: -79.777+/-0.874 χ^2/NDF:277.1/22

Left: -76.581+/-0.601 χ^2/NDF: 1142.1/47

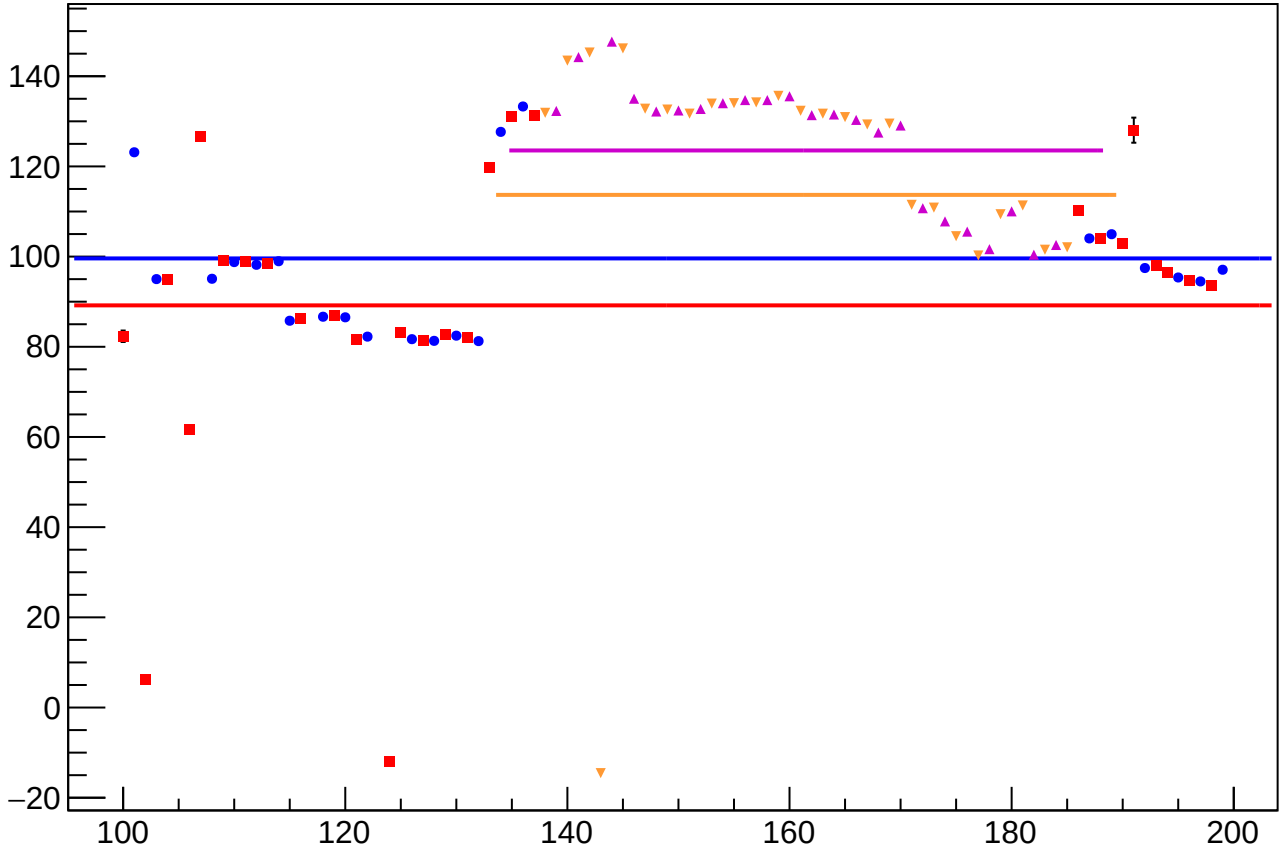
Right: -58.793+/-0.757 χ^2/NDF: 1399.5/48

In: -72.408+/-0.682 χ^2/NDF:1125.4/44

Out: -67.238+/-0.651 χ^2/NDF:1724.5/51

All: -69.700+/-0.471 χ^2/NDF: 2879.9/96

reg_asym_atr1l2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 99.596+/-0.060 χ^2/NDF: 69078.0/21

Left Out: 113.687+/-0.038 χ^2/NDF:963156.9/24

Right Out: 89.185+/-0.056 χ^2/NDF: 281658.8/26

Left In: 123.538+/-0.040 χ^2/NDF:134613.3/22

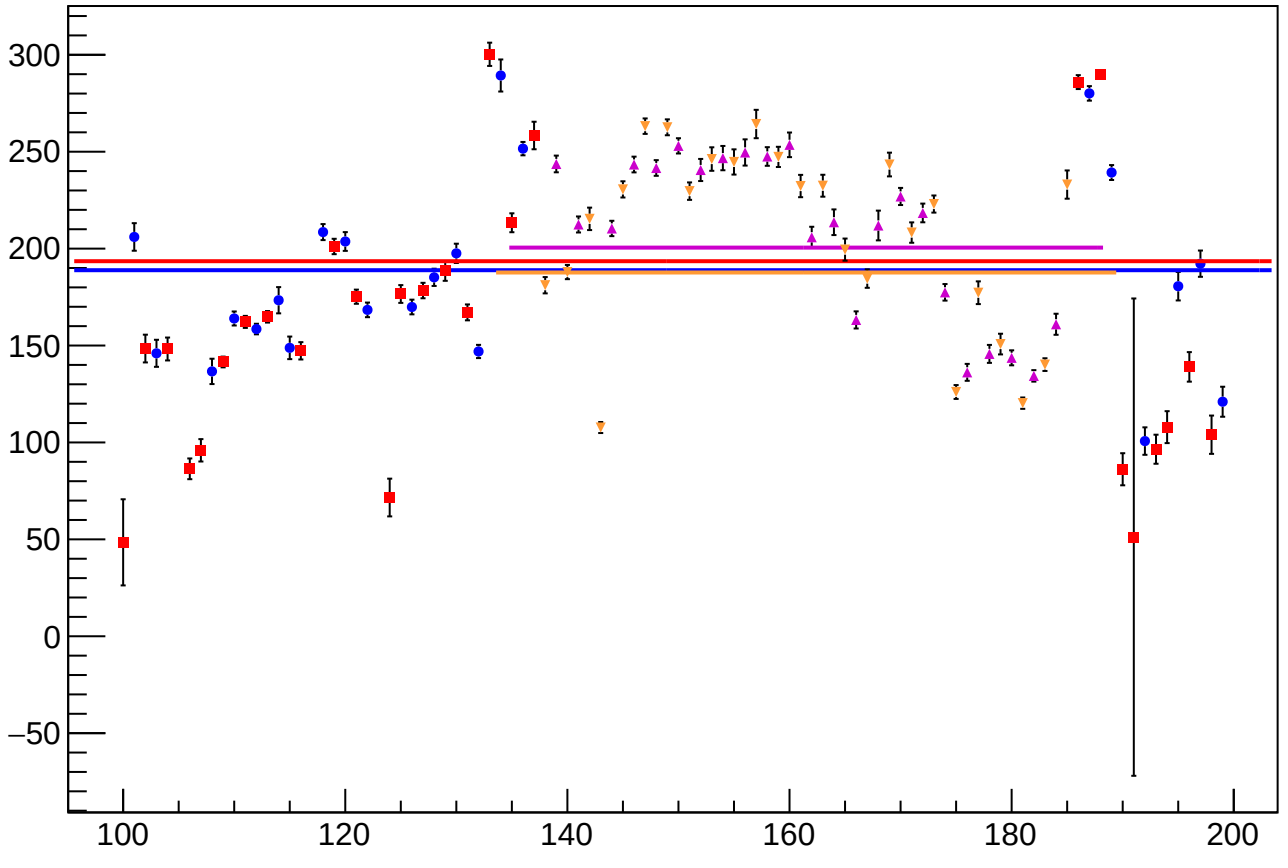
Left: 118.454+/-0.028 χ^2/NDF: 1129684.8/47

Right: 94.058+/-0.041 χ^2/NDF: 366915.5/48

In: 116.218+/-0.033 χ^2/NDF:315363.7/44

Out: 105.861+/-0.032 χ^2/NDF:1375128.6/51

All: 110.821+/-0.023 χ^2/NDF: 1741781.9/96



Right In: 188.863+/-0.972 χ^2/NDF: 2047.6/21

Left Out: 187.681+/-0.898 χ^2/NDF:3528.3/24

Right Out: 193.510+/-0.855 χ^2/NDF: 5760.6/26

Left In: 200.521+/-0.955 χ^2/NDF:2111.4/22

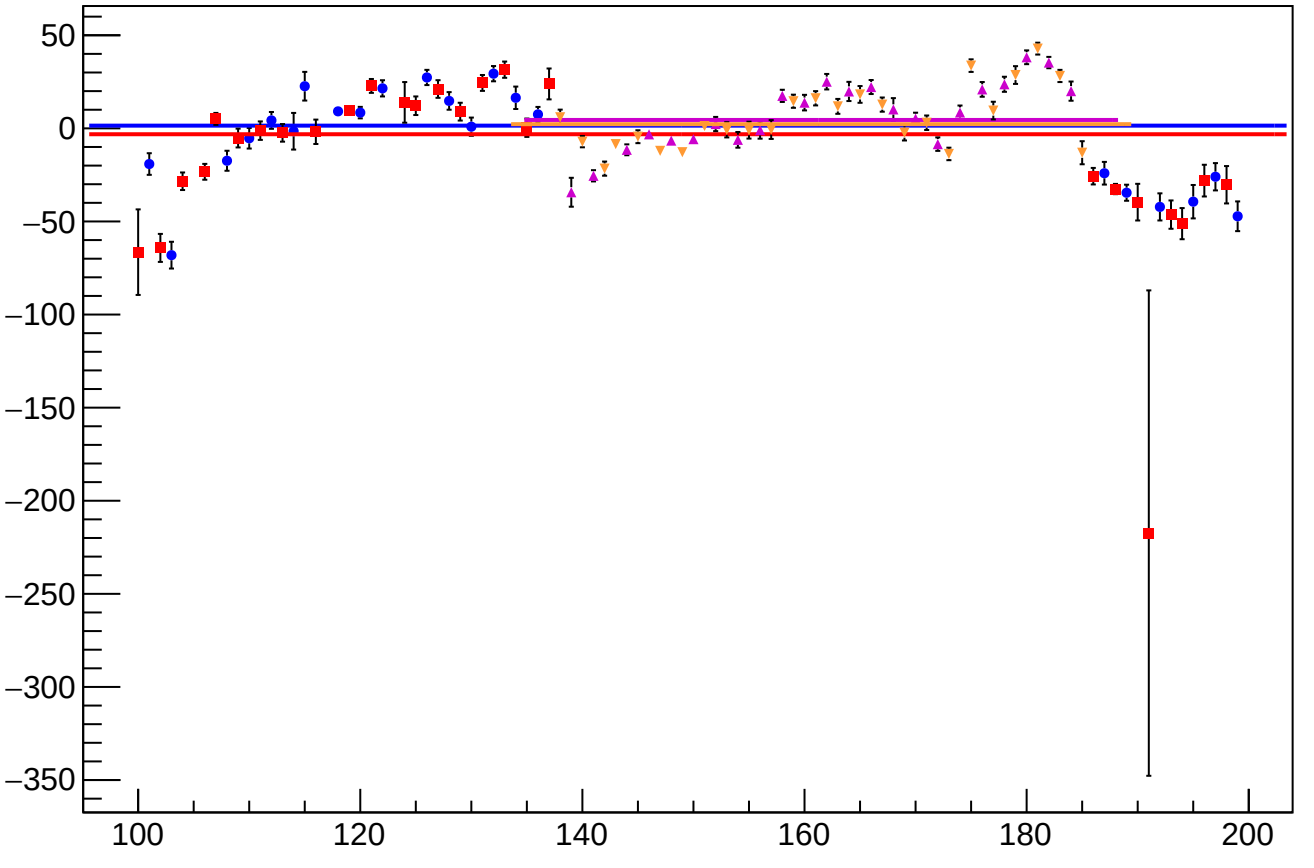
Left: 193.703+/-0.654 χ^2/NDF: 5735.7/47

Right: 191.484+/-0.642 χ^2/NDF: 7821.0/48

In: 194.796+/-0.681 χ^2/NDF:4232.2/44

Out: 190.737+/-0.619 χ^2/NDF:9311.0/51

All: 192.573+/-0.458 χ^2/NDF: 13562.6/96



Right In: 1.461+/-1.024 χ^2/NDF: 462.0/21

Left Out: 2.245+/-0.665 χ^2/NDF:600.9/24

Right Out: -3.157+/-0.939 χ^2/NDF: 602.6/26

Left In: 4.513+/-0.714 χ^2/NDF:547.1/22

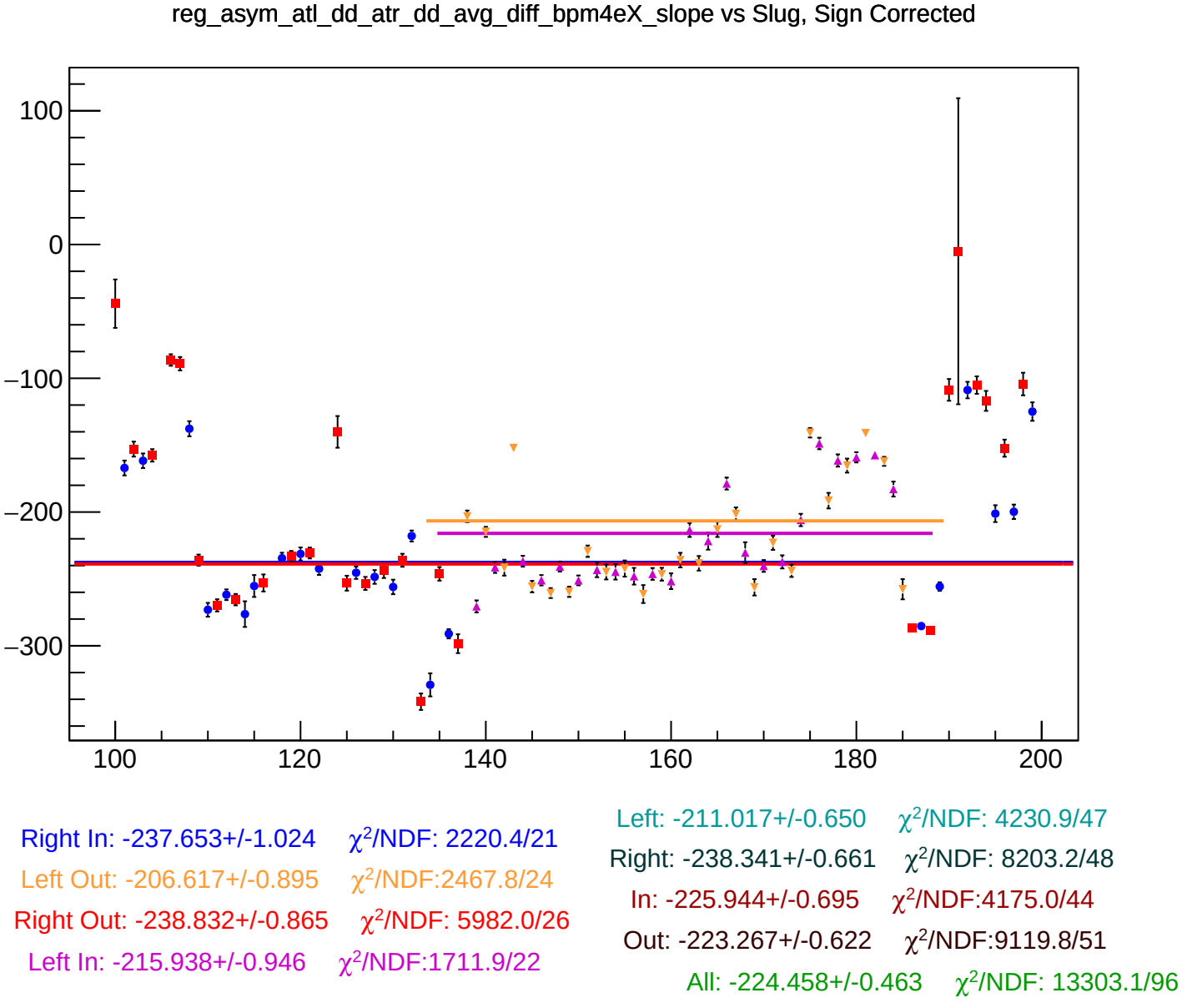
Left: 3.298+/-0.486 χ^2/NDF: 1153.4/47

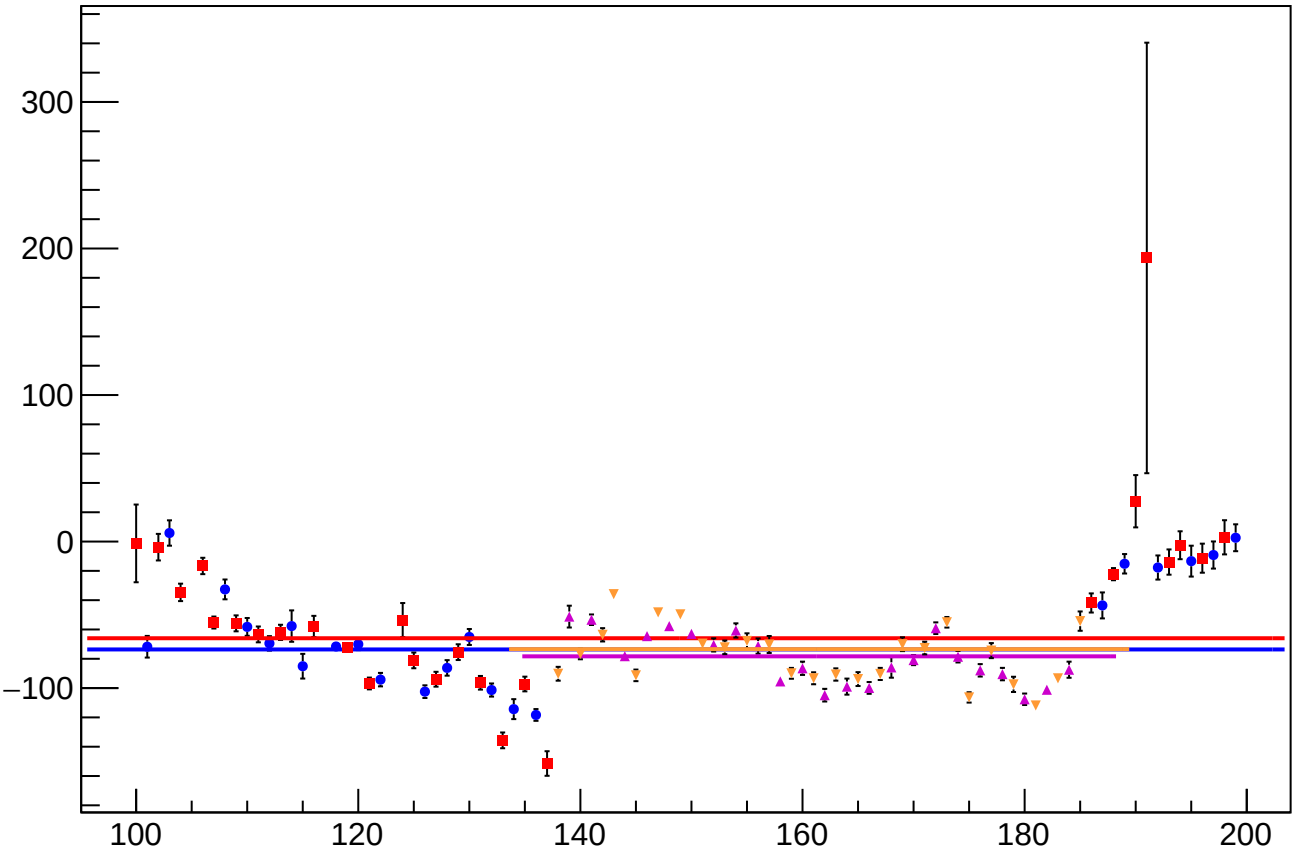
Right: -1.048+/-0.692 χ^2/NDF: 1075.7/48

In: 3.514+/-0.586 χ^2/NDF:1015.1/44

Out: 0.442+/-0.542 χ^2/NDF:1225.5/51

All: 1.860+/-0.398 χ^2/NDF: 2255.5/96


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: -237.653+/-1.024 χ²/NDF: 2220.4/21
Left Out: -206.617+/-0.895 χ²/NDF:2467.8/24
Right Out: -238.832+/-0.865 χ²/NDF: 5982.0/26
Left In: -215.938+/-0.946 χ²/NDF:1711.9/22
Left: -211.017+/-0.650 χ²/NDF: 4230.9/47
Right: -238.341+/-0.661 χ²/NDF: 8203.2/48
In: -225.944+/-0.695 χ²/NDF:4175.0/44
Out: -223.267+/-0.622 χ²/NDF:9119.8/51
All: -224.458+/-0.463 χ²/NDF: 13303.1/96



Right In: -73.623+/-1.207 χ^2/NDF: 688.9/21

Left Out: -73.426+/-0.767 χ^2/NDF:836.6/24

Right Out: -65.980+/-1.127 χ^2/NDF: 929.9/26

Left In: -78.329+/-0.817 χ^2/NDF:443.2/22

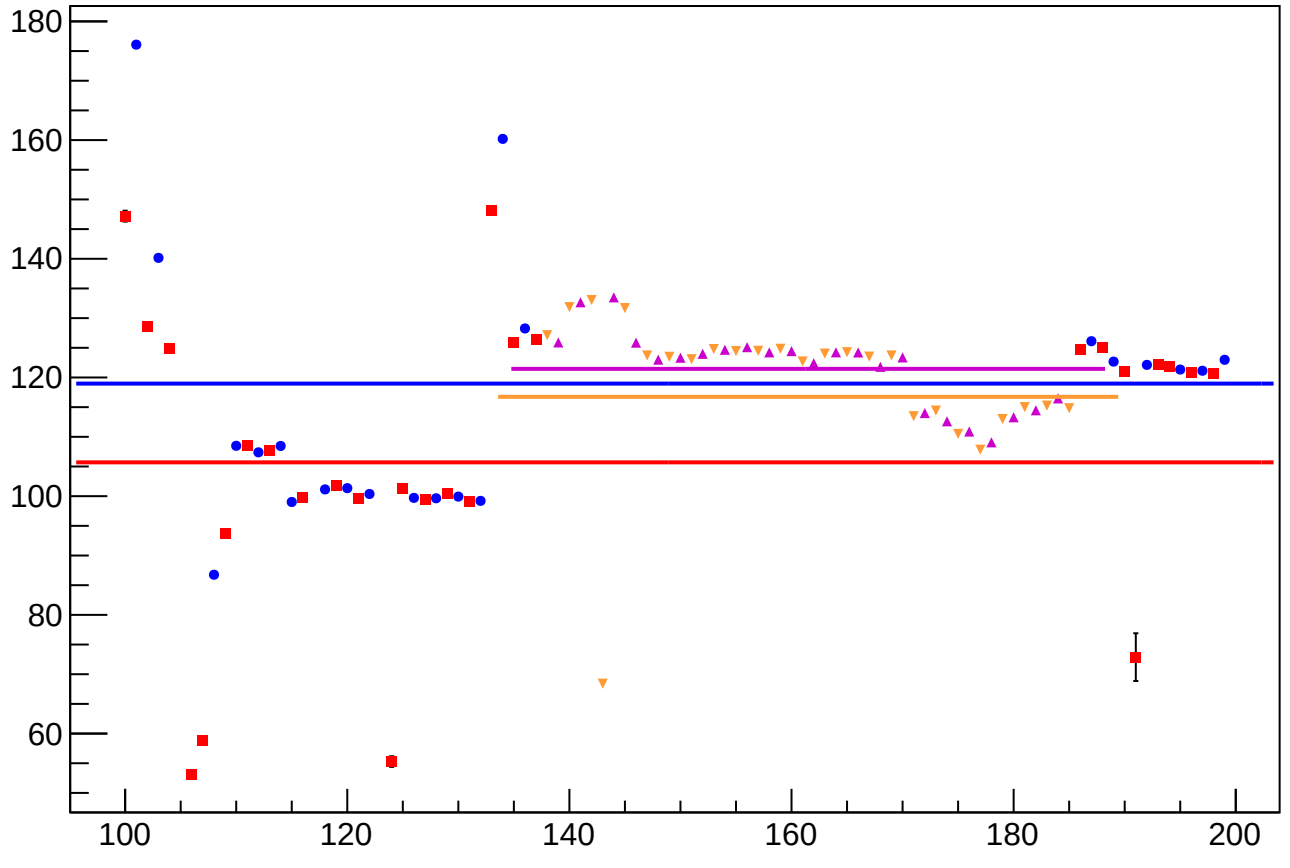
Left: -75.722+/-0.559 χ^2/NDF: 1298.9/47

Right: -69.540+/-0.824 χ^2/NDF: 1640.3/48

In: -76.849+/-0.677 χ^2/NDF:1142.6/44

Out: -71.069+/-0.634 χ^2/NDF:1796.3/51

All: -73.771+/-0.463 χ^2/NDF: 2977.8/96



Right In: 118.970+/-0.067 χ^2/NDF: 96493.2/21

Left Out: 116.740+/-0.036 χ^2/NDF:203650.9/24

Right Out: 105.698+/-0.060 χ^2/NDF: 194947.8/26

Left In: 121.455+/-0.037 χ^2/NDF:28796.4/22

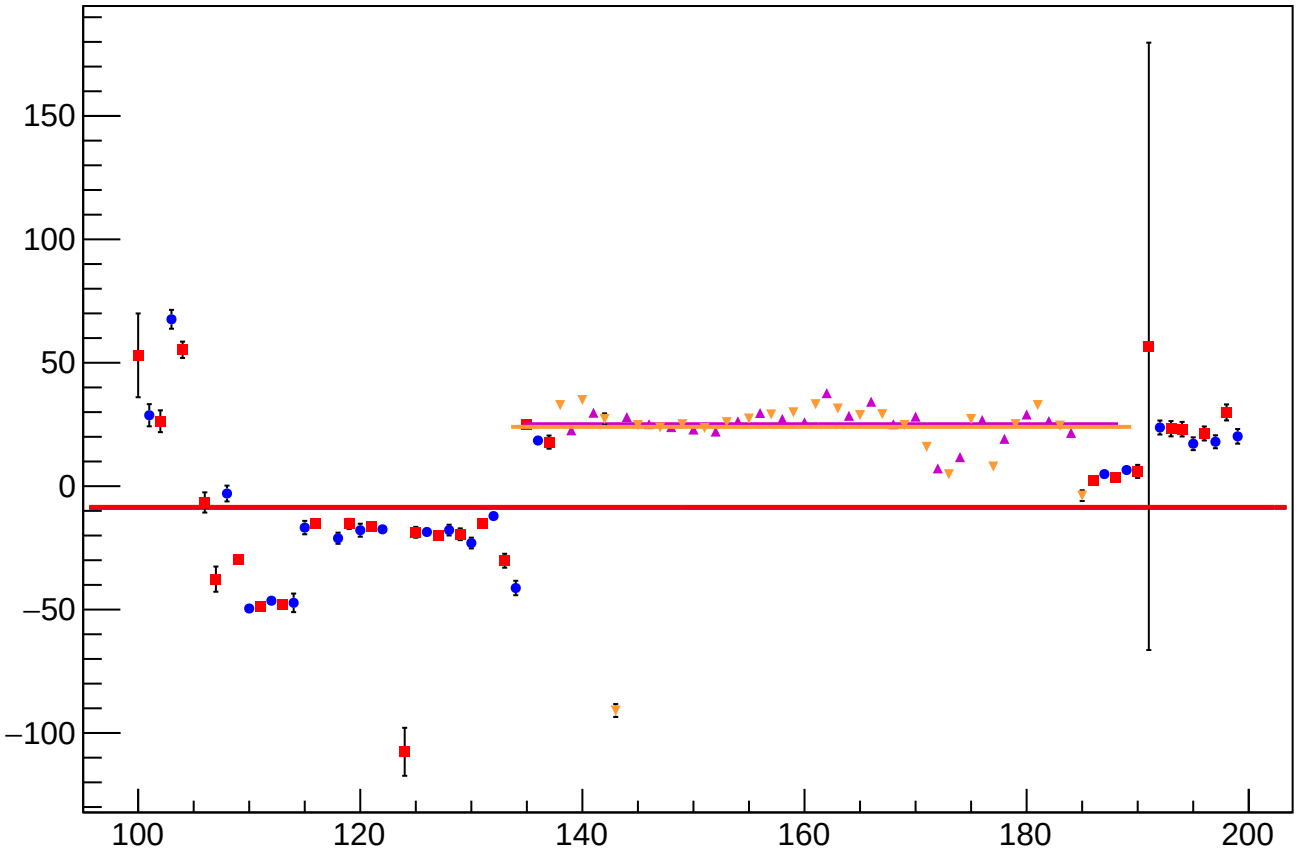
Left: 119.004+/-0.026 χ^2/NDF: 240766.9/47

Right: 111.674+/-0.045 χ^2/NDF: 313276.1/48

In: 120.862+/-0.033 χ^2/NDF:126350.3/44

Out: 113.858+/-0.031 χ^2/NDF:423406.3/51

All: 117.169+/-0.022 χ^2/NDF: 574215.9/96



Right In: -8.744+/-0.470 χ^2/NDF: 2823.3/21

Left Out: 24.025+/-0.282 χ^2/NDF:2802.2/24

Right Out: -8.386+/-0.420 χ^2/NDF: 3140.9/26

Left In: 25.089+/-0.287 χ^2/NDF:495.3/22

Left: 24.547+/-0.201 χ^2/NDF: 3304.5/47

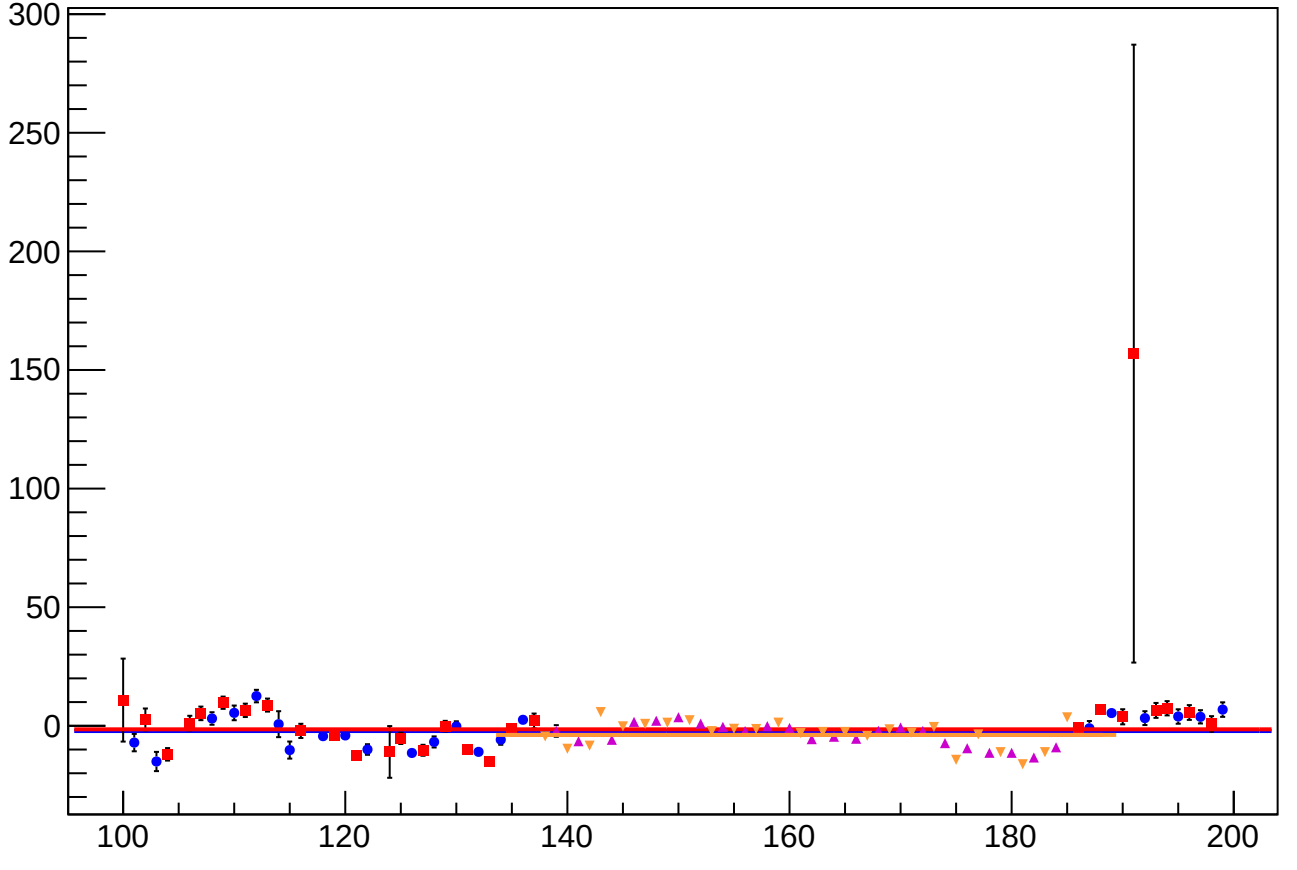
Right: -8.545+/-0.313 χ^2/NDF: 5964.6/48

In: 15.889+/-0.245 χ^2/NDF:7091.8/44

Out: 13.948+/-0.234 χ^2/NDF:10049.9/51

All: 14.874+/-0.169 χ^2/NDF: 17174.6/96

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -2.205+/-0.496 χ^2/NDF: 164.9/21

Left Out: -3.845+/-0.218 χ^2/NDF:649.4/24

Right Out: -1.478+/-0.471 χ^2/NDF: 235.1/26

Left In: -3.780+/-0.224 χ^2/NDF:509.8/22

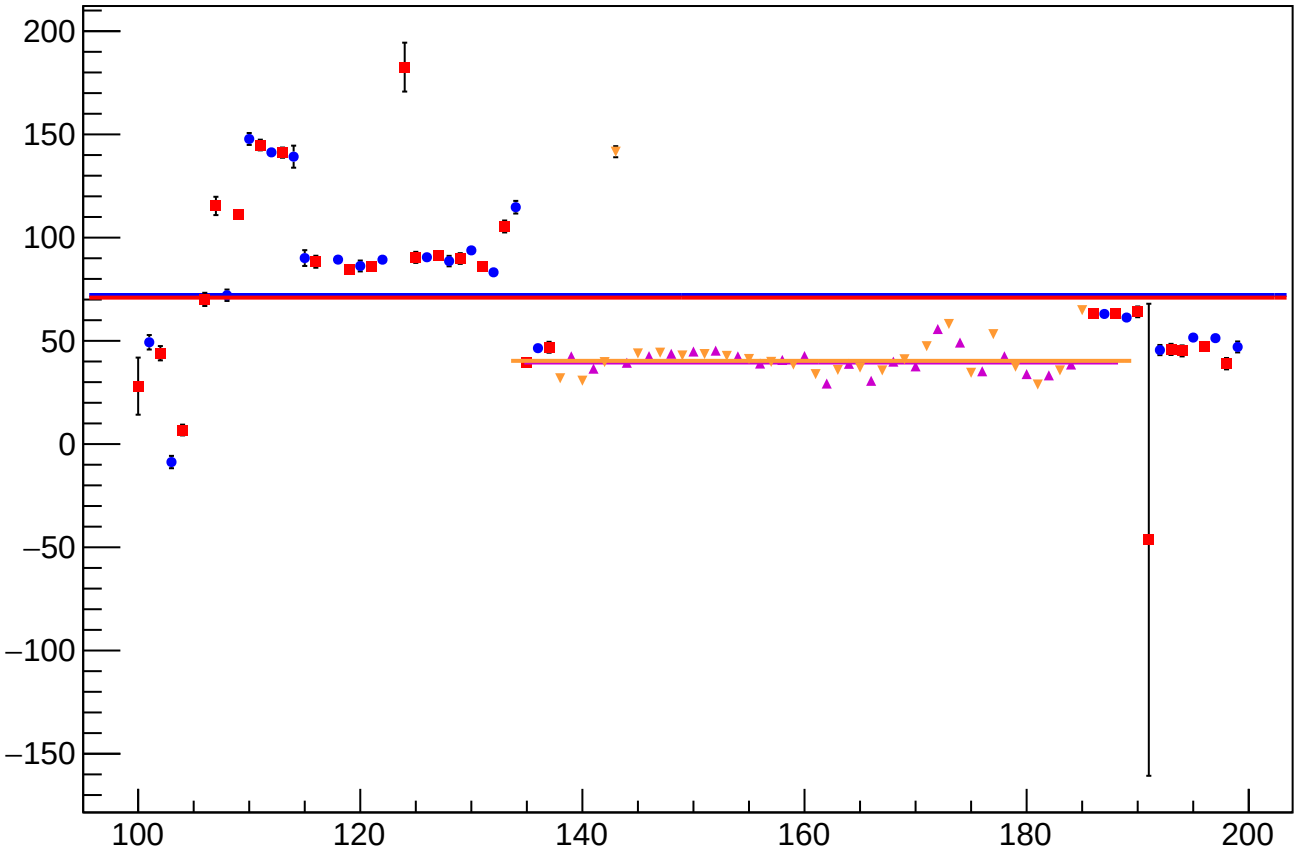
Left: -3.813+/-0.156 χ^2/NDF: 1159.2/47

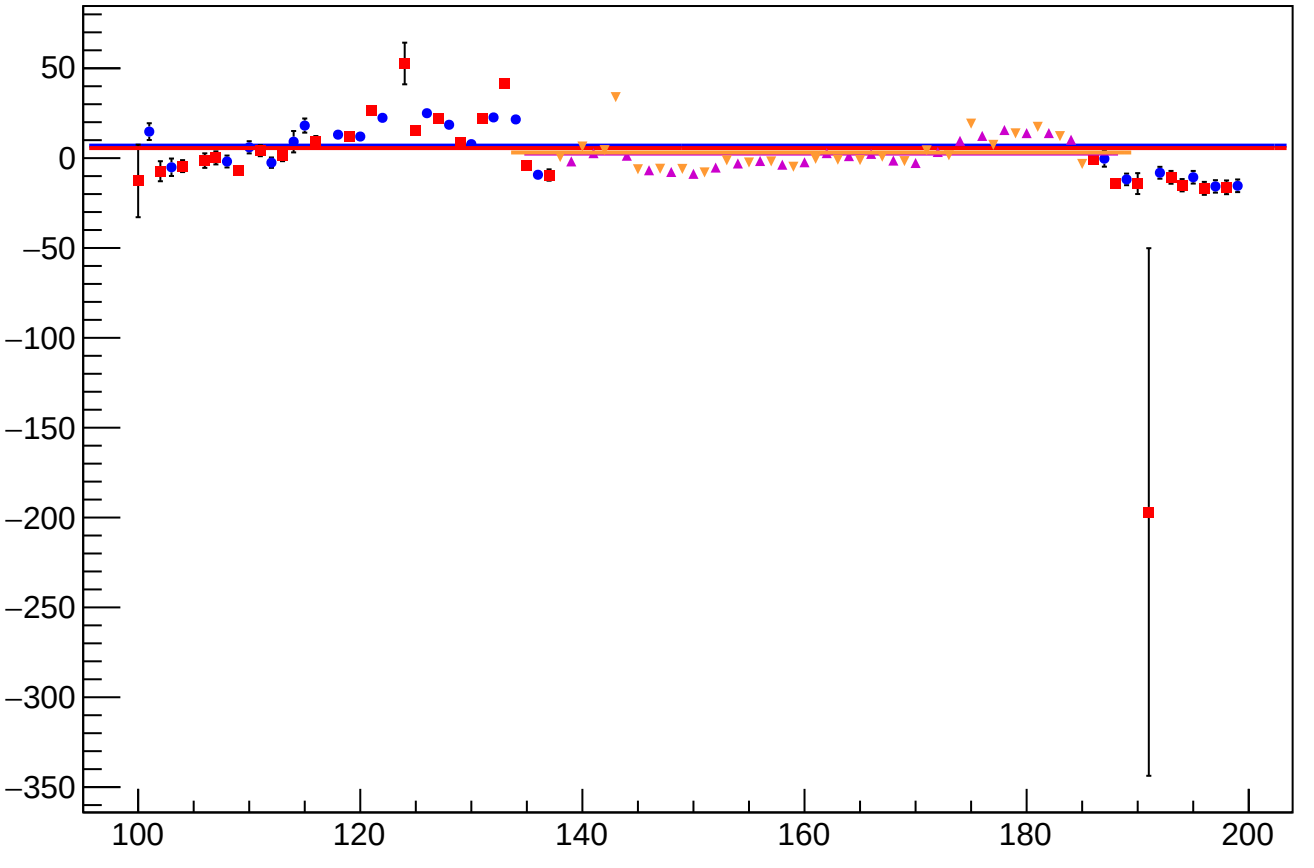
Right: -1.823+/-0.341 χ^2/NDF: 401.1/48

In: -3.514+/-0.204 χ^2/NDF:683.1/44

Out: -3.427+/-0.198 χ^2/NDF:905.3/51

All: -3.469+/-0.142 χ^2/NDF: 1588.5/96


reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs Slug, Sign Corrected
200
150
100
50
0
−50
−100
−150
100
120
140
160
180
200
Right In: 72.206+/-0.487 χ²/NDF: 3914.2/21
Left Out: 40.315+/-0.280 χ²/NDF:2182.8/24
Right Out: 70.941+/-0.418 χ²/NDF: 4218.2/26
Left In: 39.504+/-0.285 χ²/NDF:432.1/22
Left: 39.916+/-0.200 χ²/NDF: 2619.0/47
Right: 71.478+/-0.317 χ²/NDF: 8136.3/48
In: 47.843+/-0.246 χ²/NDF:7710.3/44
Out: 49.808+/-0.233 χ²/NDF:10105.2/51
All: 48.879+/-0.169 χ²/NDF: 17849.2/96



Right In: 6.960+/-0.574 χ^2/NDF: 555.2/21

Left Out: 3.142+/-0.245 χ^2/NDF:1267.0/24

Right Out: 5.587+/-0.561 χ^2/NDF: 757.8/26

Left In: 2.519+/-0.251 χ^2/NDF:968.2/22

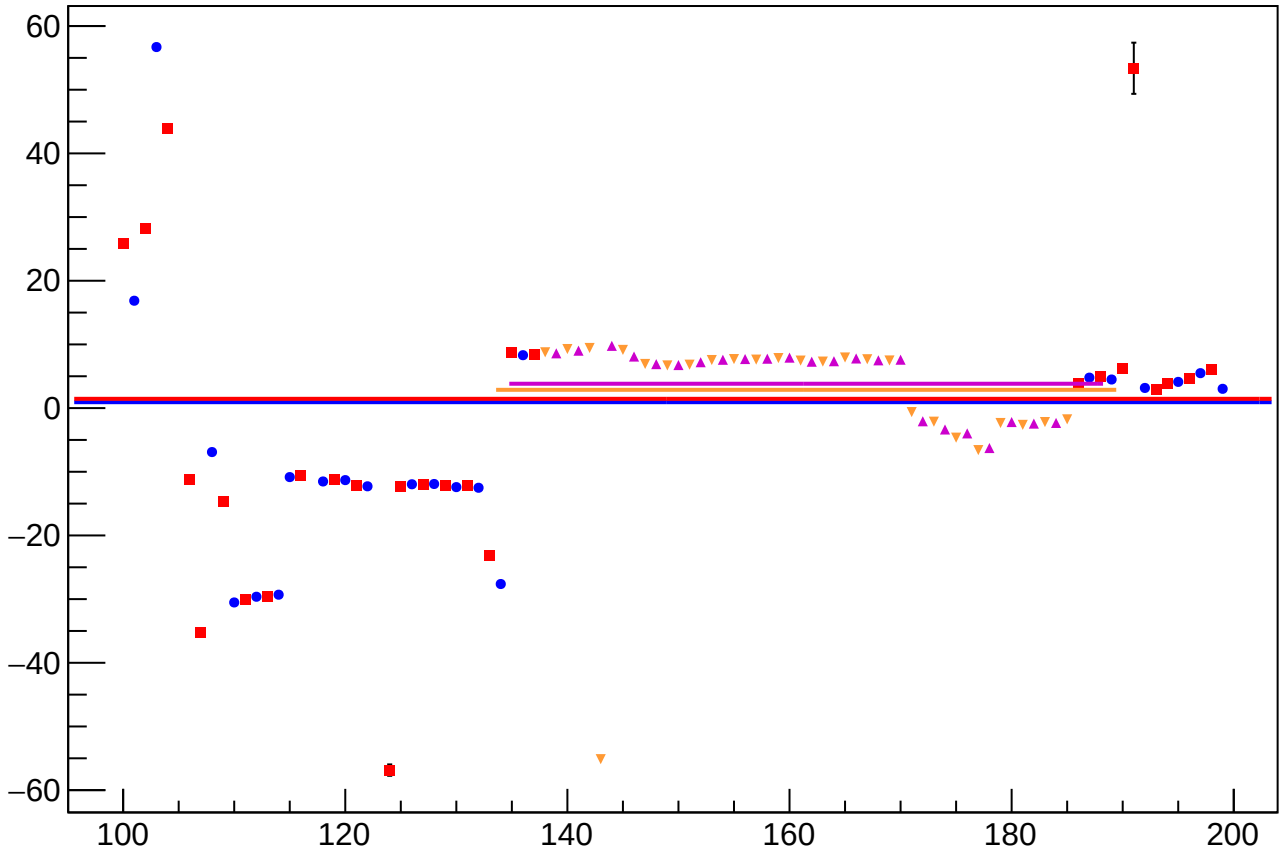
Left: 2.837+/-0.175 χ^2/NDF: 2238.3/47

Right: 6.258+/-0.401 χ^2/NDF: 1315.9/48

In: 3.231+/-0.230 χ^2/NDF:1573.6/44

Out: 3.535+/-0.225 χ^2/NDF:2040.7/51

All: 3.386+/-0.161 χ^2/NDF: 3615.2/96



Right In: 0.927+/-0.029 χ^2/NDF: 374474.2/21

Left Out: 2.870+/-0.011 χ^2/NDF:512331.0/24

Right Out: 1.457+/-0.029 χ^2/NDF: 324774.5/26

Left In: 3.825+/-0.011 χ^2/NDF:233224.7/22

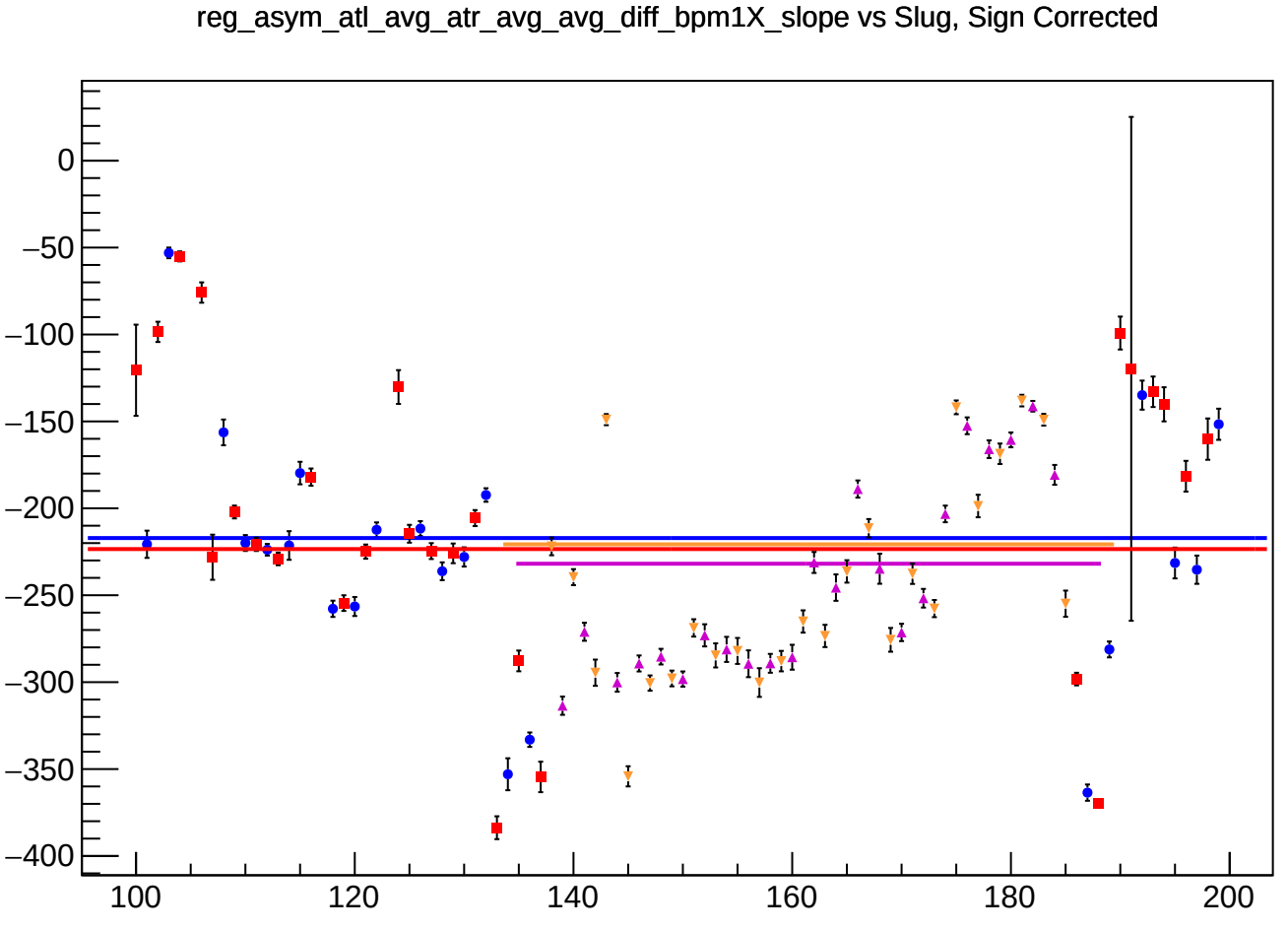
Left: 3.343+/-0.008 χ^2/NDF: 749294.8/47

Right: 1.192+/-0.020 χ^2/NDF: 699417.8/48

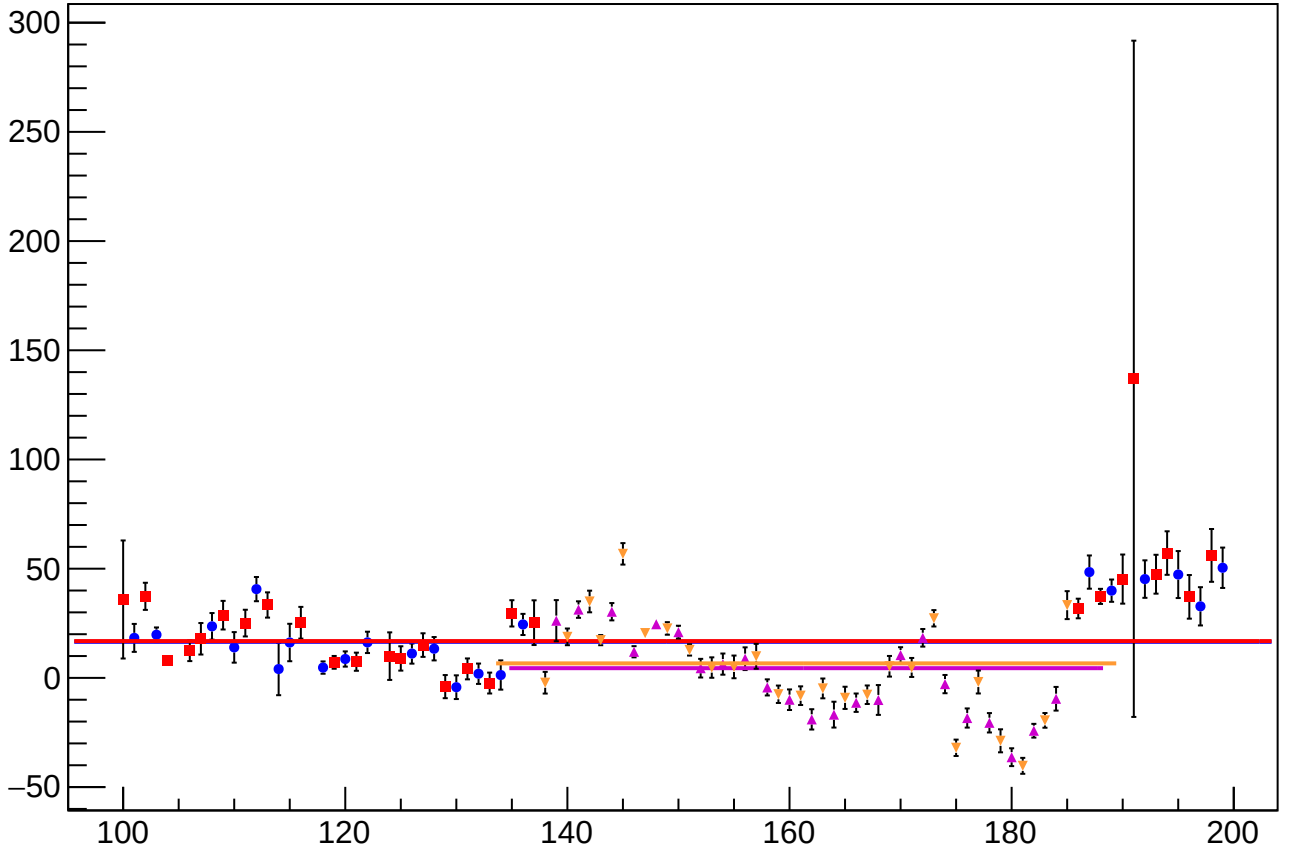
In: 3.451+/-0.010 χ^2/NDF:616494.1/44

Out: 2.690+/-0.010 χ^2/NDF:839208.0/51

All: 3.067+/-0.007 χ^2/NDF: 1458422.2/96


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: -217.098+/-1.078 χ²/NDF: 5482.7/21
Left Out: -220.723+/-1.018 χ²/NDF:4052.2/24
Right Out: -223.439+/-0.960 χ²/NDF: 9988.3/26
Left In: -231.871+/-1.077 χ²/NDF:3160.3/22
Left: -225.984+/-0.740 χ²/NDF: 7269.1/47
Right: -220.633+/-0.717 χ²/NDF: 15490.4/48
In: -224.491+/-0.762 χ²/NDF:8737.1/44
Out: -222.160+/-0.699 χ²/NDF:14044.3/51
All: -223.225+/-0.515 χ²/NDF: 22786.5/96

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 16.521+/-1.122 χ^2/NDF: 154.1/21

Left Out: 6.643+/-0.752 χ^2/NDF:735.0/24

Right Out: 16.846+/-1.012 χ^2/NDF: 200.5/26

Left In: 4.447+/-0.807 χ^2/NDF:567.1/22

Left: 5.622+/-0.550 χ^2/NDF: 1306.0/47

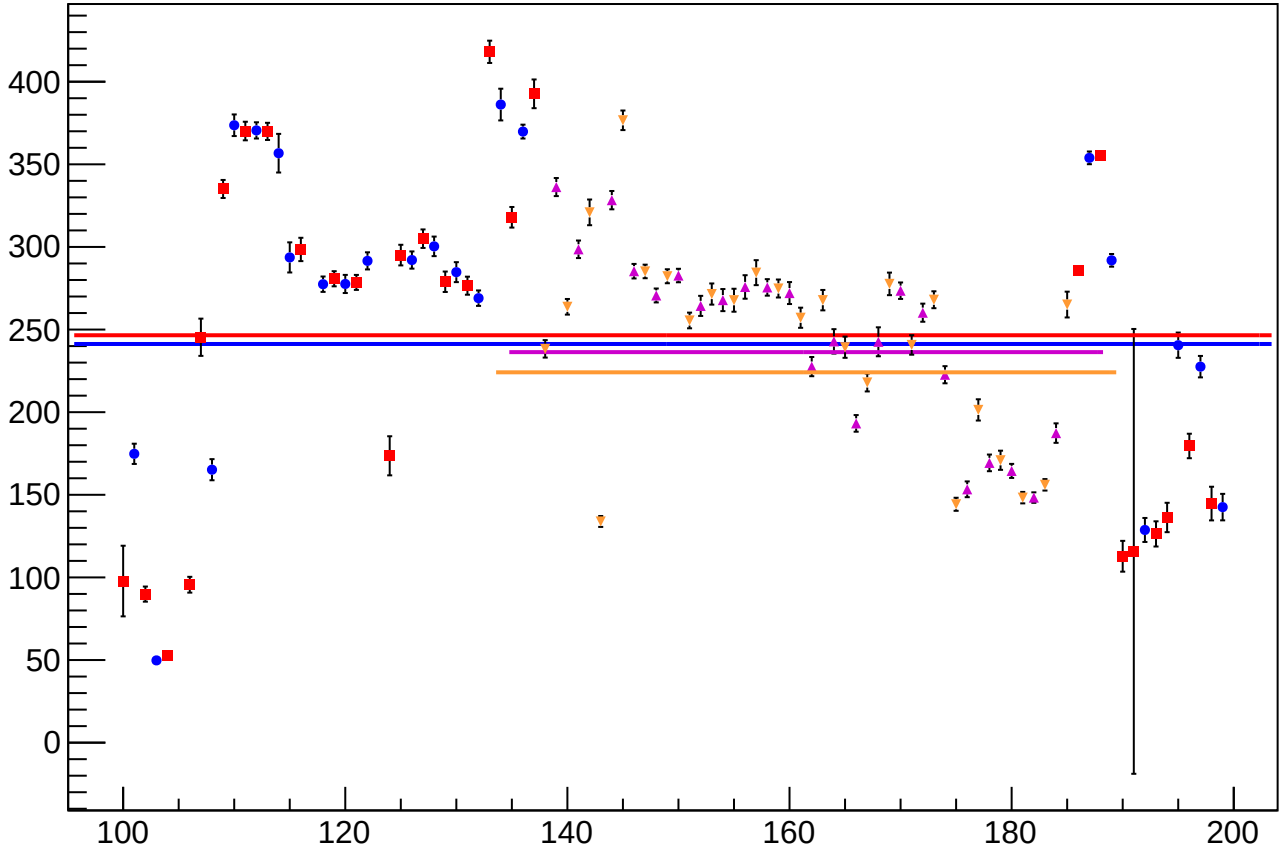
Right: 16.700+/-0.752 χ^2/NDF: 354.7/48

In: 8.562+/-0.655 χ^2/NDF:797.5/44

Out: 10.274+/-0.604 χ^2/NDF:1000.9/51

All: 9.487+/-0.444 χ^2/NDF: 1802.1/96

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 241.267+/-1.090 χ^2/NDF: 10882.0/21

Left Out: 224.123+/-1.014 χ^2/NDF:3966.6/24

Right Out: 246.556+/-0.938 χ^2/NDF: 16241.2/26

Left In: 236.342+/-1.066 χ^2/NDF:2992.9/22

Left: 229.922+/-0.735 χ^2/NDF: 7028.5/47

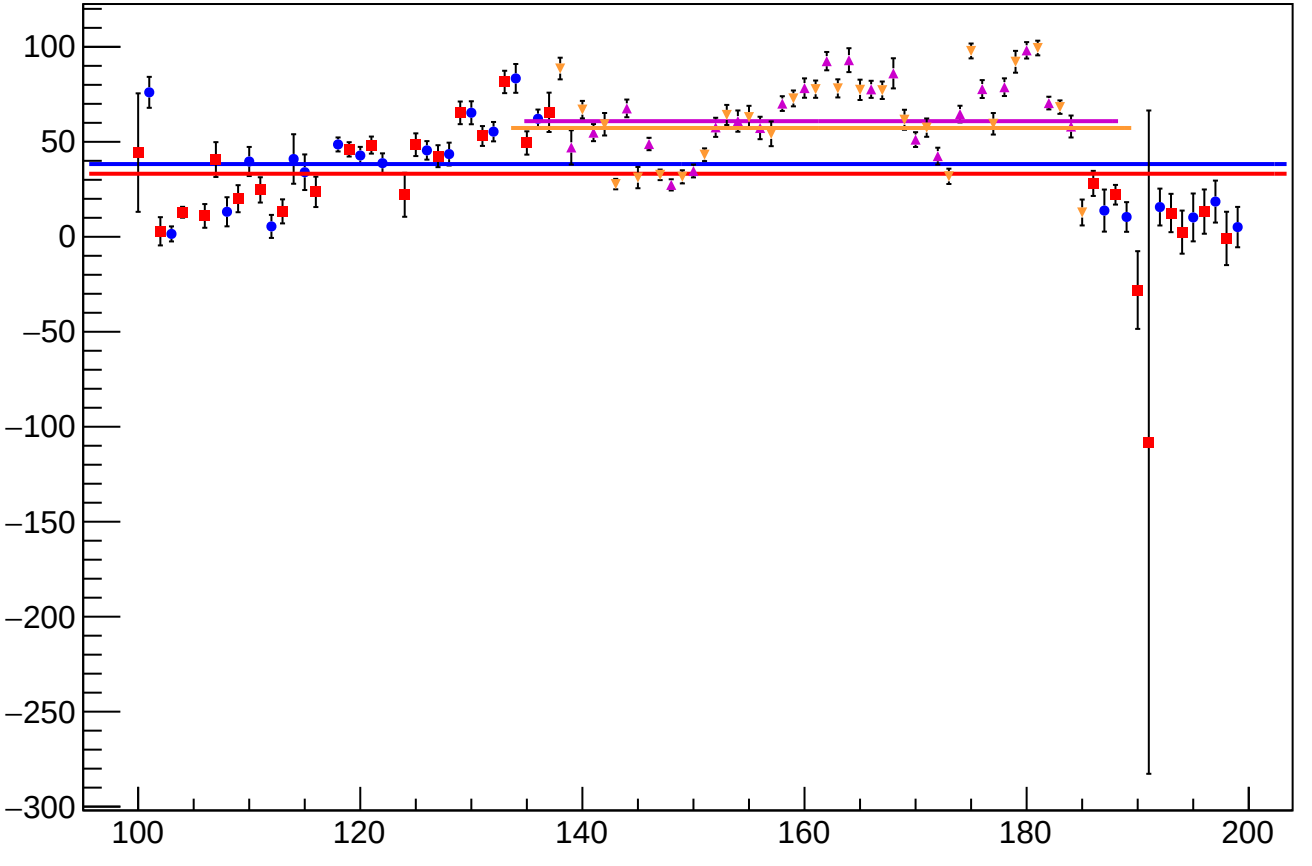
Right: 244.306+/-0.711 χ^2/NDF: 27136.7/48

In: 238.750+/-0.762 χ^2/NDF:13885.3/44

Out: 236.207+/-0.688 χ^2/NDF:20471.7/51

All: 237.349+/-0.511 χ^2/NDF: 34363.2/96

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 38.295+/-1.324 χ^2/NDF: 291.3/21

Left Out: 57.288+/-0.868 χ^2/NDF:767.9/24

Right Out: 33.193+/-1.222 χ^2/NDF: 291.9/26

Left In: 60.877+/-0.923 χ^2/NDF:454.7/22

Left: 58.973+/-0.632 χ^2/NDF: 1230.6/47

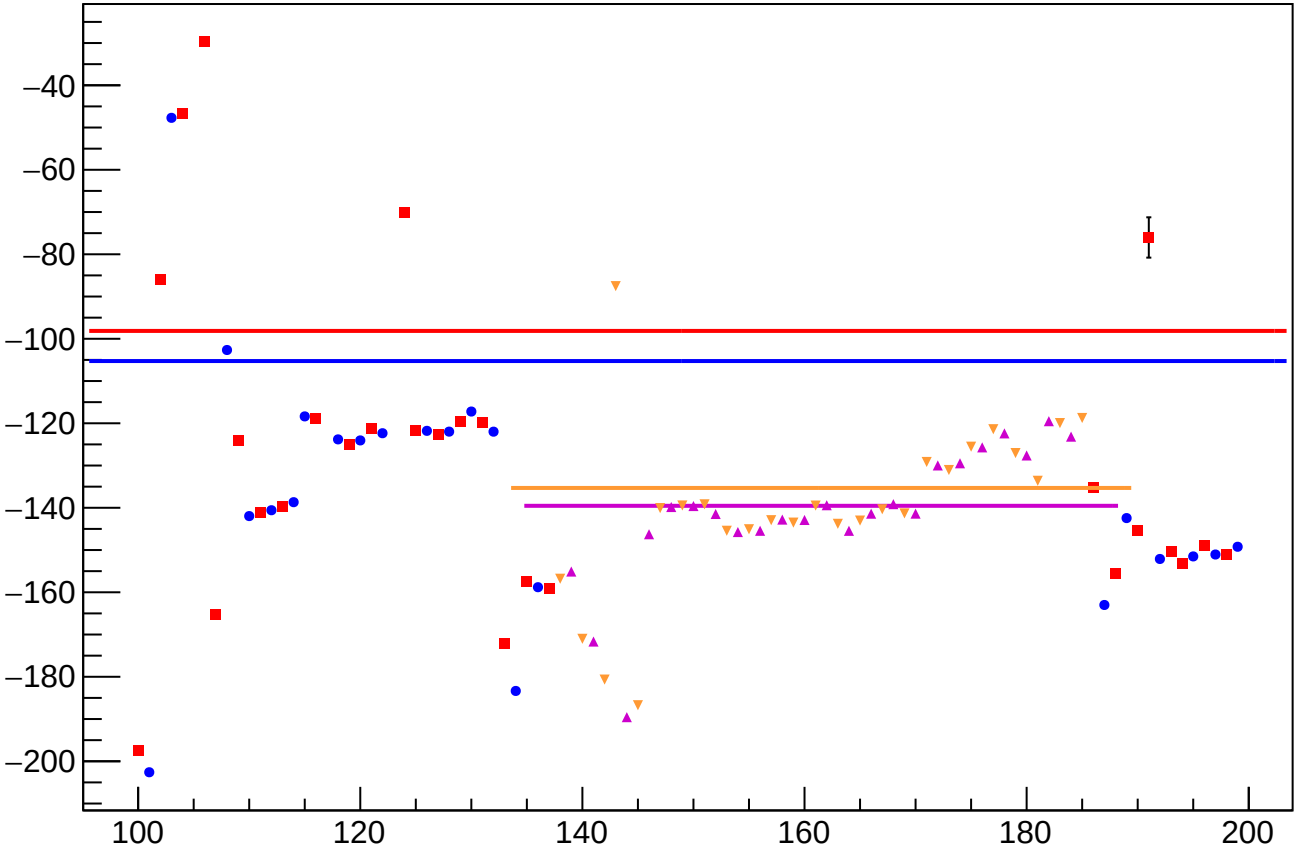
Right: 35.541+/-0.898 χ^2/NDF: 591.2/48

In: 53.496+/-0.757 χ^2/NDF:941.8/44

Out: 49.211+/-0.708 χ^2/NDF:1318.1/51

All: 51.210+/-0.517 χ^2/NDF: 2277.0/96

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -105.269+/-0.063 χ^2/NDF: 631997.1/21

Left Out: -135.305+/-0.041 χ^2/NDF:262874.5/24

Right Out: -98.139+/-0.060 χ^2/NDF: 664065.6/26

Left In: -139.533+/-0.042 χ^2/NDF:114482.7/22

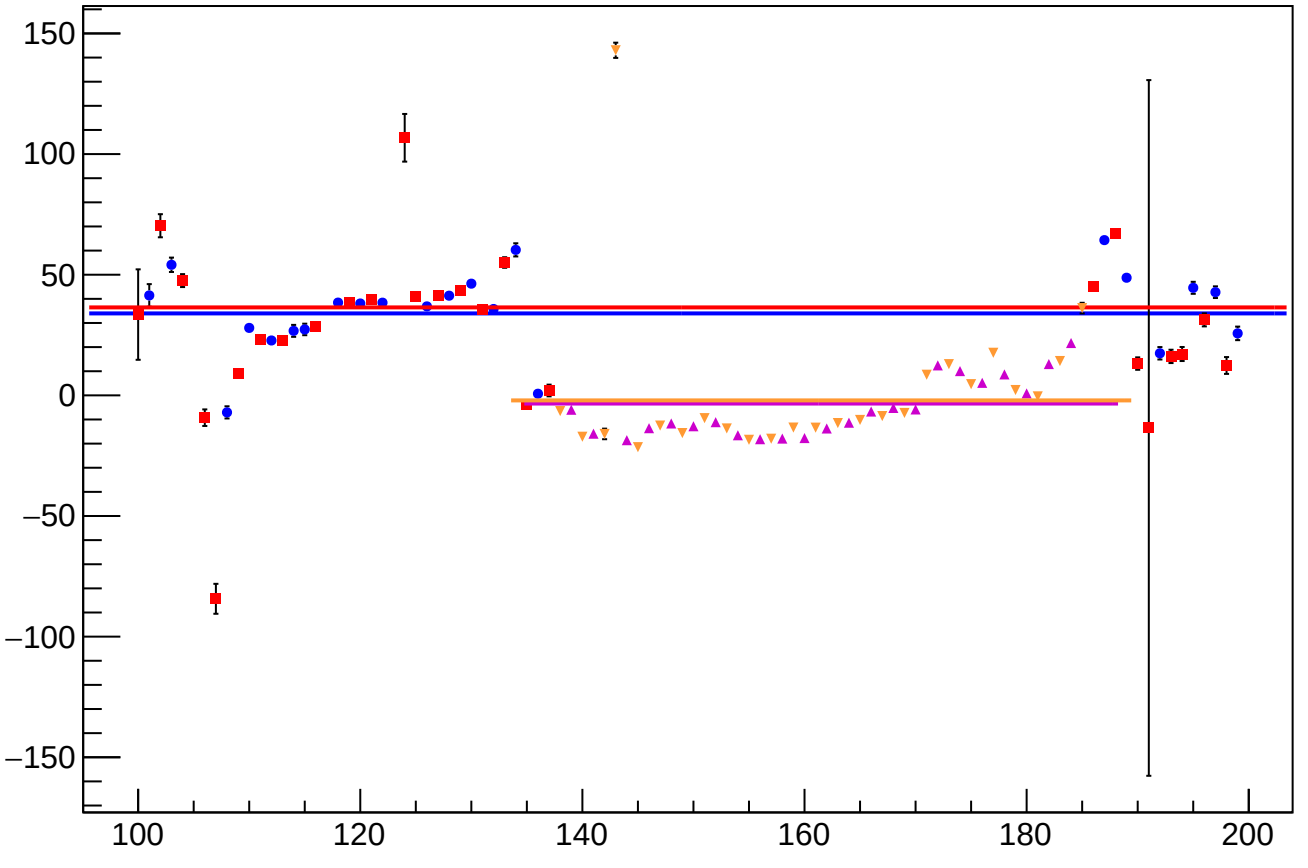
Left: -137.341+/-0.029 χ^2/NDF: 382584.2/47

Right: -101.546+/-0.043 χ^2/NDF: 1302768.1/48

In: -128.933+/-0.035 χ^2/NDF:951295.4/44

Out: -123.693+/-0.034 χ^2/NDF:1189067.0/51

All: -126.210+/-0.024 χ^2/NDF: 2152012.5/96



Right In: 33.963+/-0.370 χ^2/NDF: 2232.6/21

Left Out: -2.091+/-0.267 χ^2/NDF:4201.3/24

Right Out: 36.453+/-0.320 χ^2/NDF: 4536.4/26

Left In: -3.391+/-0.271 χ^2/NDF:1752.8/22

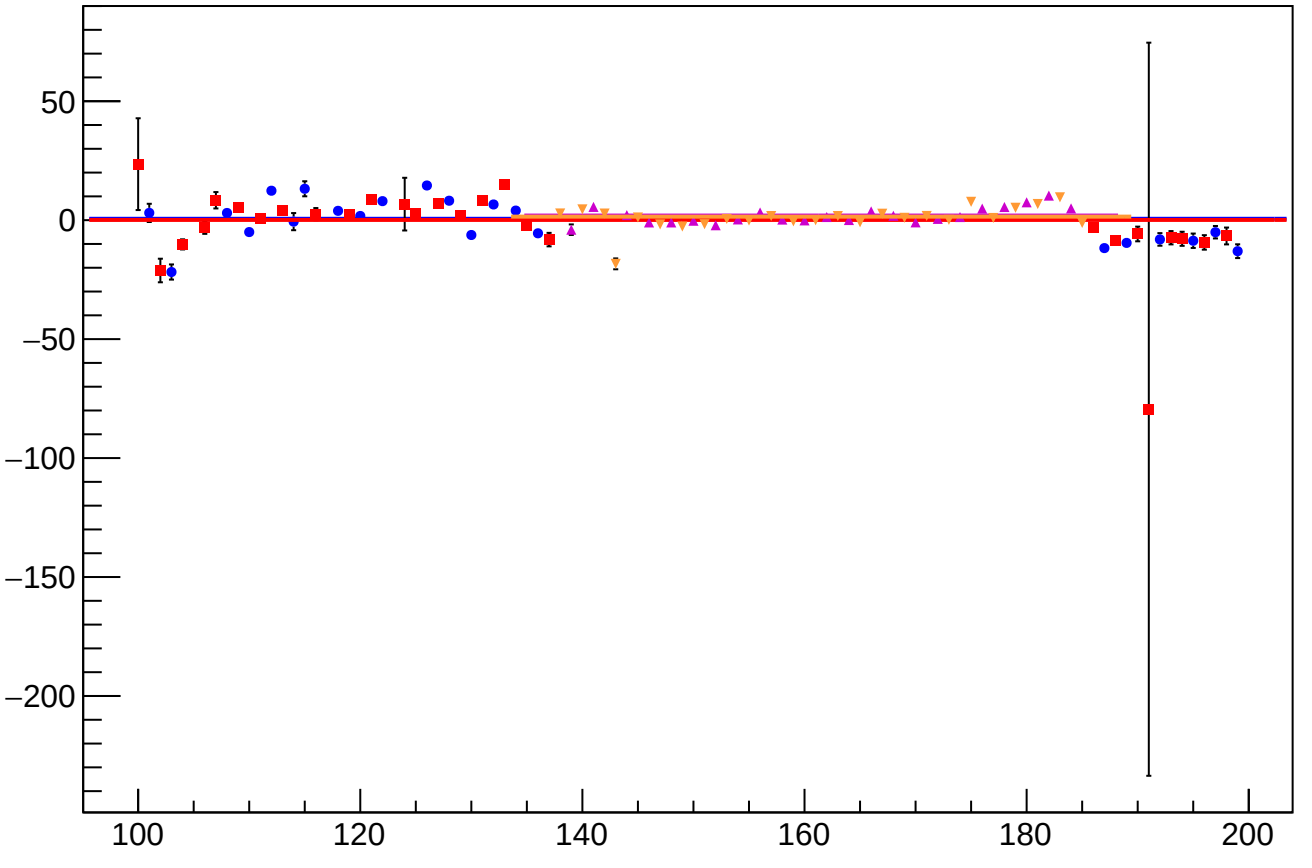
Left: -2.730+/-0.190 χ^2/NDF: 5965.8/47

Right: 35.385+/-0.242 χ^2/NDF: 6794.9/48

In: 9.688+/-0.219 χ^2/NDF:10623.6/44

Out: 13.689+/-0.205 χ^2/NDF:17284.5/51

All: 11.818+/-0.150 χ^2/NDF: 28086.3/96



Right In: 0.576+/-0.399 χ^2/NDF: 404.3/21

Left Out: 1.489+/-0.205 χ^2/NDF:328.6/24

Right Out: 0.103+/-0.370 χ^2/NDF: 348.5/26

Left In: 1.933+/-0.210 χ^2/NDF:240.7/22

Left: 1.705+/-0.147 χ^2/NDF: 571.5/47

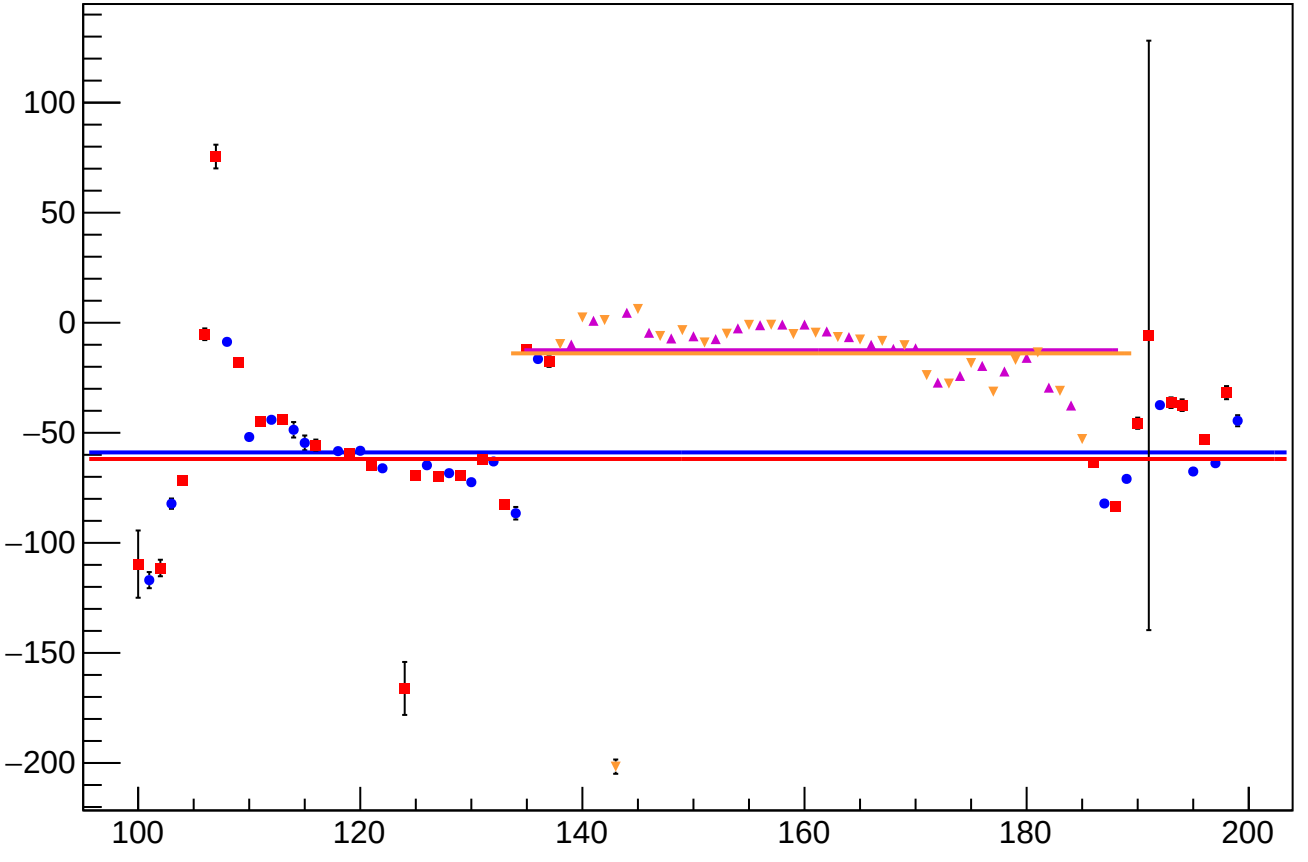
Right: 0.322+/-0.271 χ^2/NDF: 753.5/48

In: 1.637+/-0.186 χ^2/NDF:654.0/44

Out: 1.163+/-0.179 χ^2/NDF:687.8/51

All: 1.391+/-0.129 χ^2/NDF: 1345.1/96

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -58.905+/-0.385 χ^2/NDF: 3253.9/21

Left Out: -13.908+/-0.265 χ^2/NDF:5128.3/24

Right Out: -61.889+/-0.316 χ^2/NDF: 5307.7/26

Left In: -12.494+/-0.269 χ^2/NDF:1430.3/22

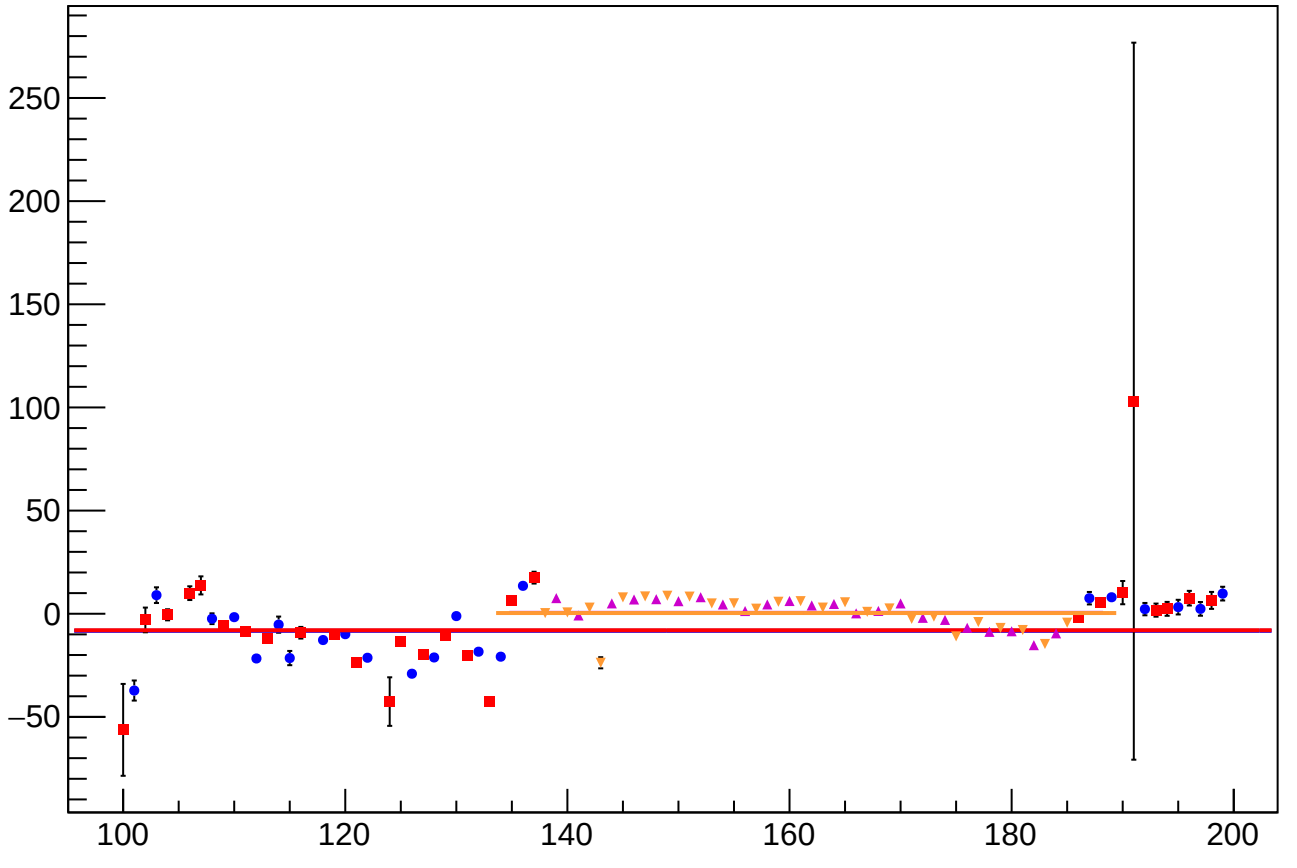
Left: -13.212+/-0.189 χ^2/NDF: 6572.6/47

Right: -60.688+/-0.244 χ^2/NDF: 8597.5/48

In: -27.677+/-0.220 χ^2/NDF:14444.0/44

Out: -33.670+/-0.203 χ^2/NDF:23968.5/51

All: -30.920+/-0.149 χ^2/NDF: 38812.6/96



Right In: -8.267+/-0.467 χ^2/NDF: 827.9/21

Left Out: 0.345+/-0.231 χ^2/NDF:921.9/24

Right Out: -8.003+/-0.448 χ^2/NDF: 864.9/26

Left In: 0.433+/-0.237 χ^2/NDF:782.1/22

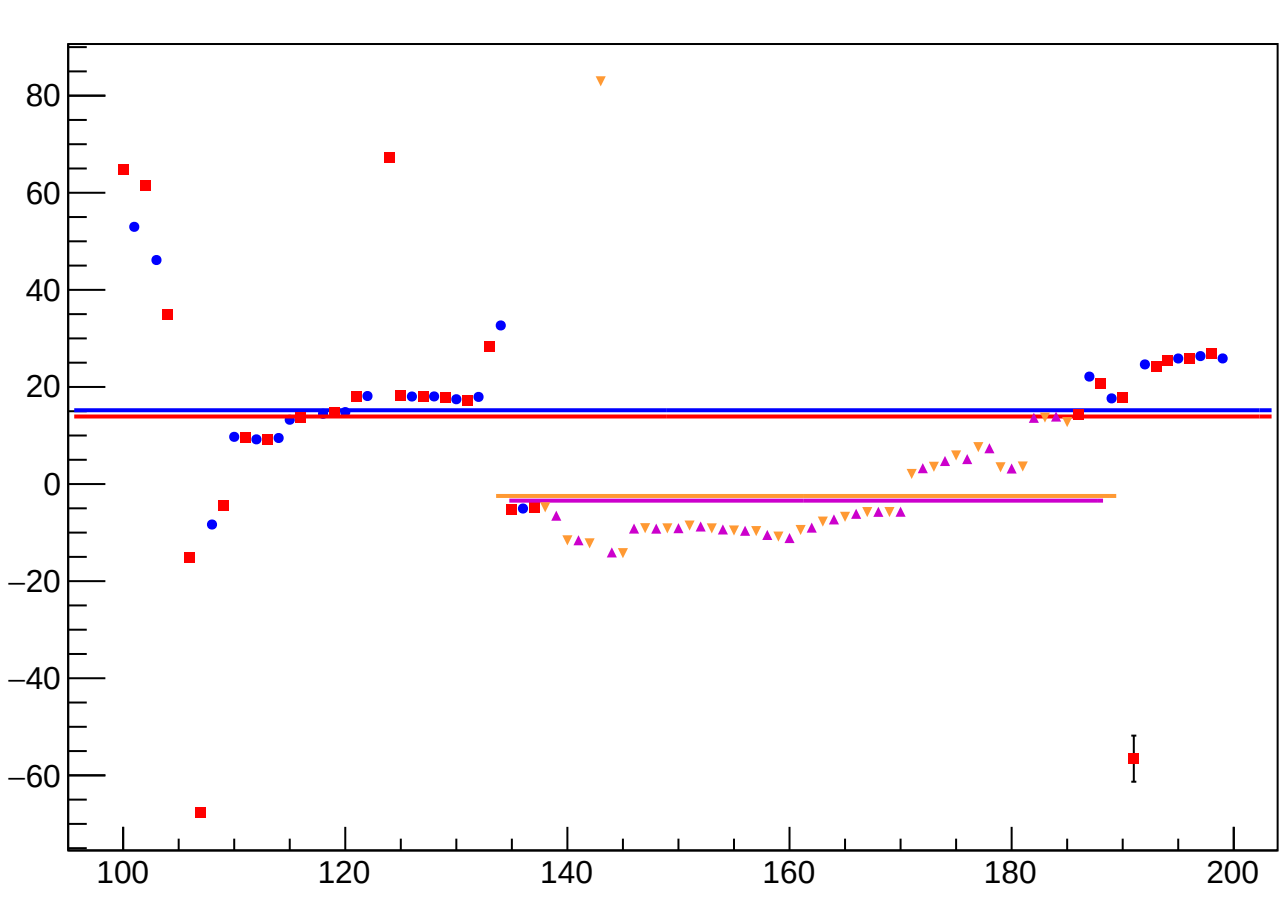
Left: 0.388+/-0.165 χ^2/NDF: 1704.0/47

Right: -8.129+/-0.323 χ^2/NDF: 1693.0/48

In: -1.343+/-0.211 χ^2/NDF:1885.9/44

Out: -1.413+/-0.206 χ^2/NDF:2060.9/51

All: -1.379+/-0.147 χ^2/NDF: 3946.9/96



Right In: 15.204+/-0.025 χ^2/NDF: 409789.3/21

Left Out: -2.452+/-0.010 χ^2/NDF:961833.3/24

Right Out: 13.914+/-0.025 χ^2/NDF: 518739.4/26

Left In: -3.418+/-0.010 χ^2/NDF:546802.2/22

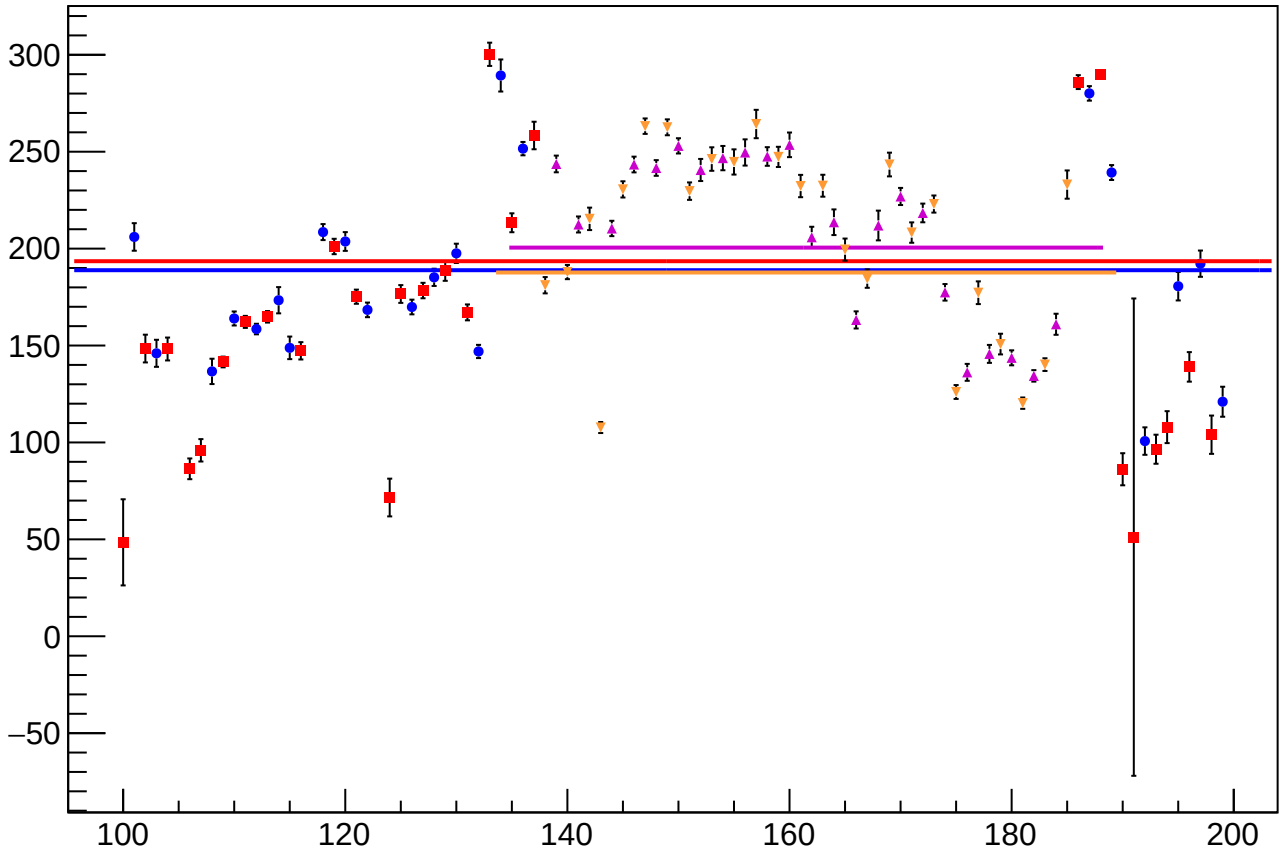
Left: -2.931+/-0.007 χ^2/NDF: 1512952.8/47

Right: 14.555+/-0.018 χ^2/NDF: 929881.7/48

In: -0.627+/-0.010 χ^2/NDF:1433358.3/44

Out: -0.008+/-0.010 χ^2/NDF:1853768.9/51

All: -0.315+/-0.007 χ^2/NDF: 3289213.7/96



Right In: 188.863+/-0.972 χ^2/NDF: 2047.6/21

Left Out: 187.681+/-0.898 χ^2/NDF:3528.3/24

Right Out: 193.510+/-0.855 χ^2/NDF: 5760.6/26

Left In: 200.521+/-0.955 χ^2/NDF:2111.4/22

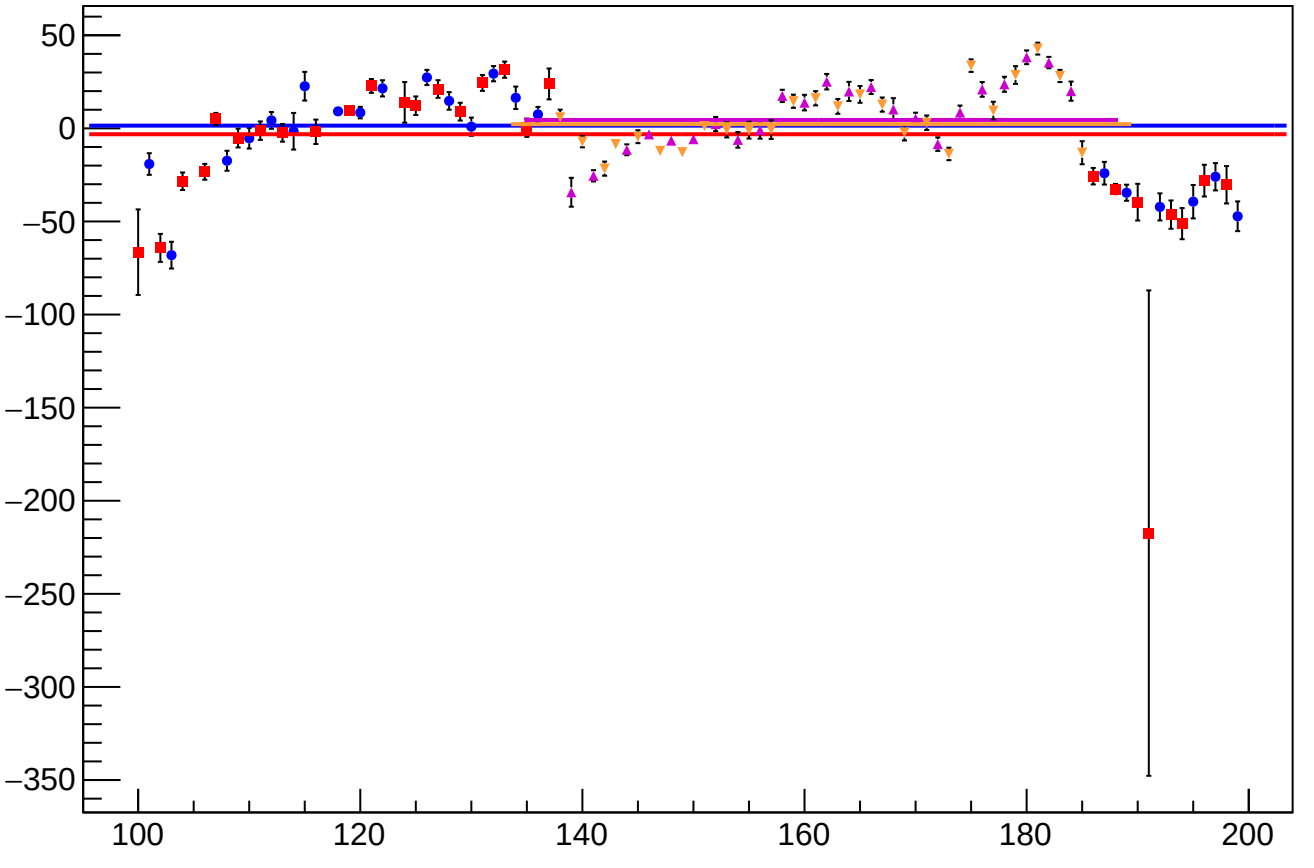
Left: 193.703+/-0.654 χ^2/NDF: 5735.7/47

Right: 191.484+/-0.642 χ^2/NDF: 7821.0/48

In: 194.796+/-0.681 χ^2/NDF:4232.2/44

Out: 190.737+/-0.619 χ^2/NDF:9311.0/51

All: 192.573+/-0.458 χ^2/NDF: 13562.6/96



Right In: 1.461+/-1.024 χ^2/NDF: 462.0/21

Left Out: 2.245+/-0.665 χ^2/NDF:600.9/24

Right Out: -3.157+/-0.939 χ^2/NDF: 602.6/26

Left In: 4.513+/-0.714 χ^2/NDF:547.1/22

Left: 3.298+/-0.486 χ^2/NDF: 1153.4/47

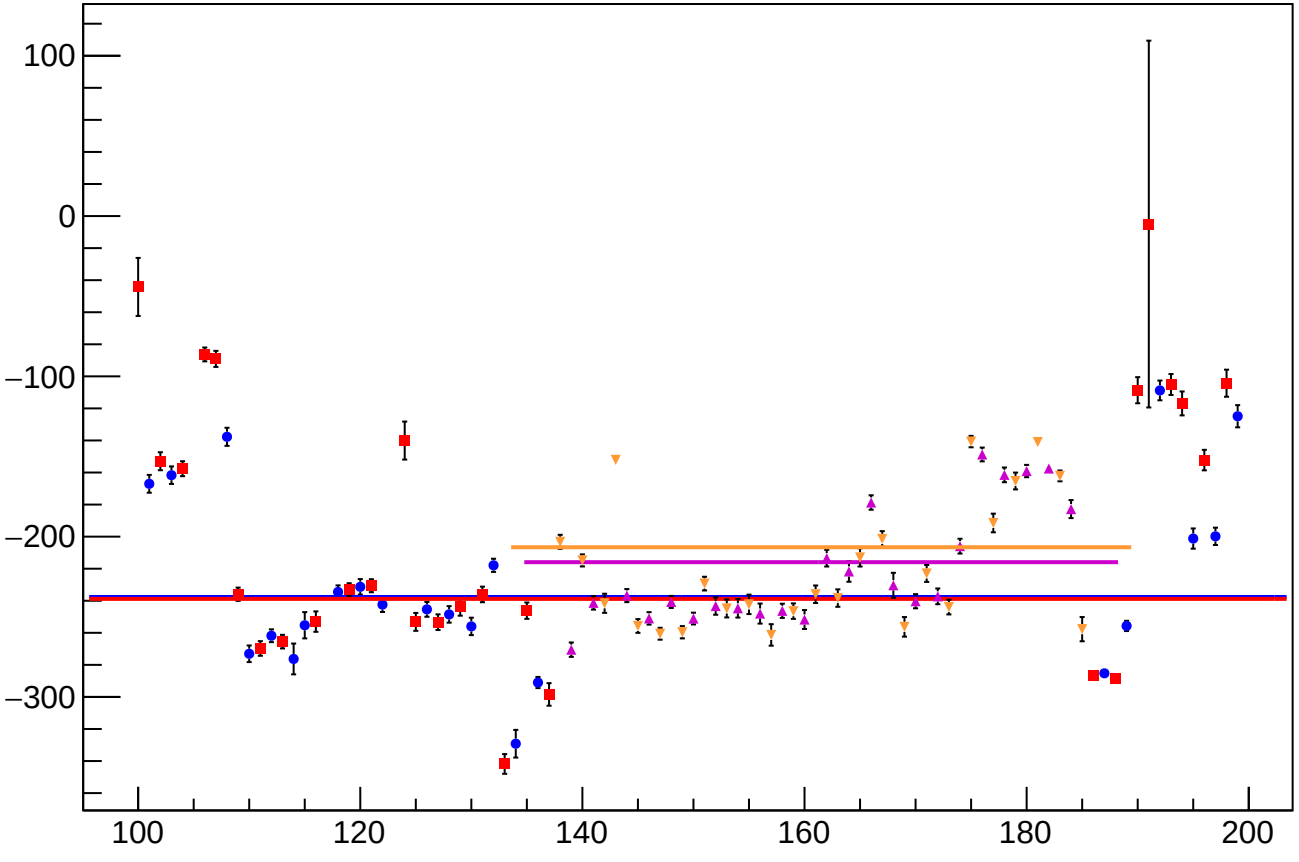
Right: -1.048+/-0.692 χ^2/NDF: 1075.7/48

In: 3.514+/-0.586 χ^2/NDF:1015.1/44

Out: 0.442+/-0.542 χ^2/NDF:1225.5/51

All: 1.860+/-0.398 χ^2/NDF: 2255.5/96

reg_asym_at1_avg_at2_avg_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -237.653+/-1.024 χ^2/NDF: 2220.4/21

Left Out: -206.617+/-0.895 χ^2/NDF:2467.8/24

Right Out: -238.832+/-0.865 χ^2/NDF: 5982.0/26

Left In: -215.938+/-0.946 χ^2/NDF:1711.9/22

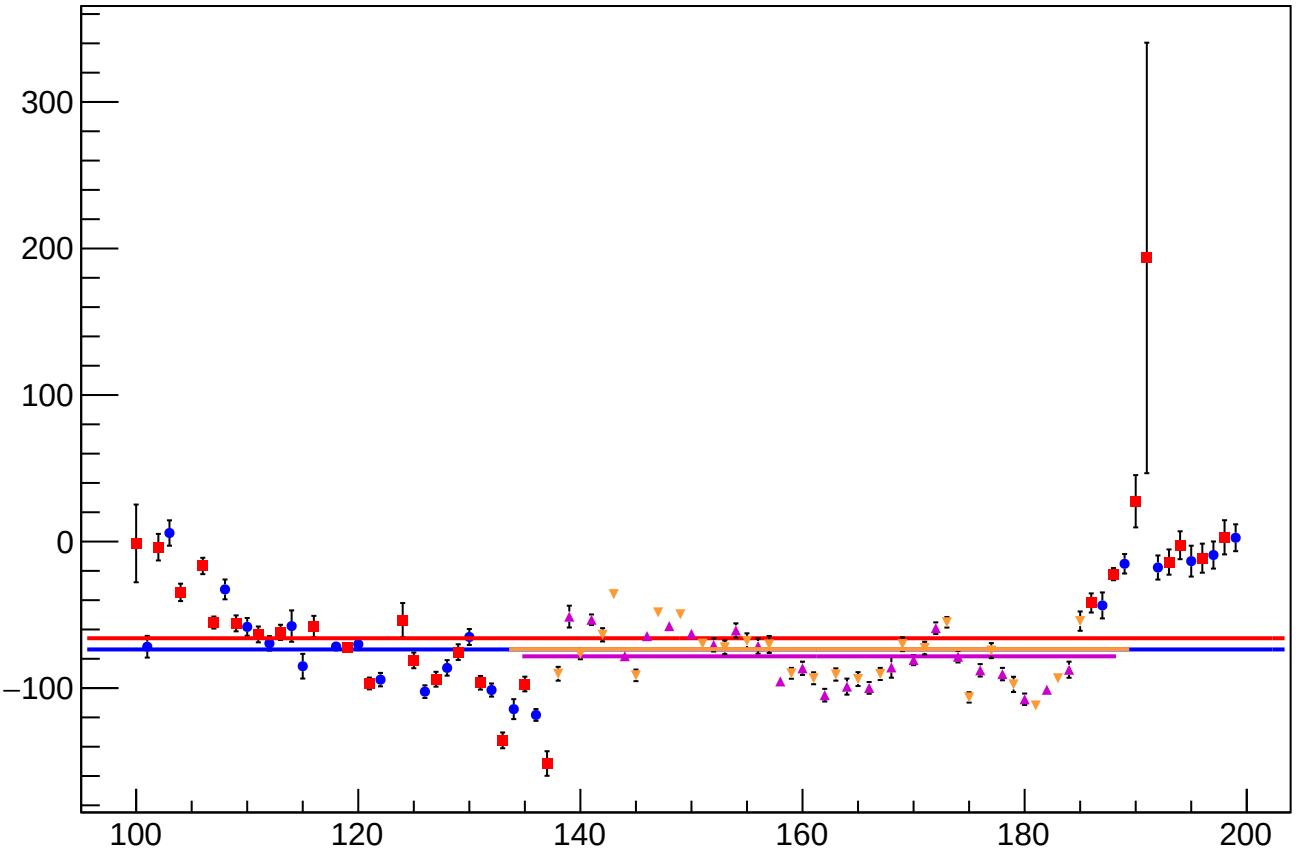
Left: -211.017+/-0.650 χ^2/NDF: 4230.9/47

Right: -238.341+/-0.661 χ^2/NDF: 8203.2/48

In: -225.944+/-0.695 χ^2/NDF:4175.0/44

Out: -223.267+/-0.622 χ^2/NDF:9119.8/51

All: -224.458+/-0.463 χ^2/NDF: 13303.1/96



Right In: -73.623+/-1.207 χ^2/NDF: 688.9/21

Left Out: -73.426+/-0.767 χ^2/NDF:836.6/24

Right Out: -65.980+/-1.127 χ^2/NDF: 929.9/26

Left In: -78.329+/-0.817 χ^2/NDF:443.2/22

Left: -75.722+/-0.559 χ^2/NDF: 1298.9/47

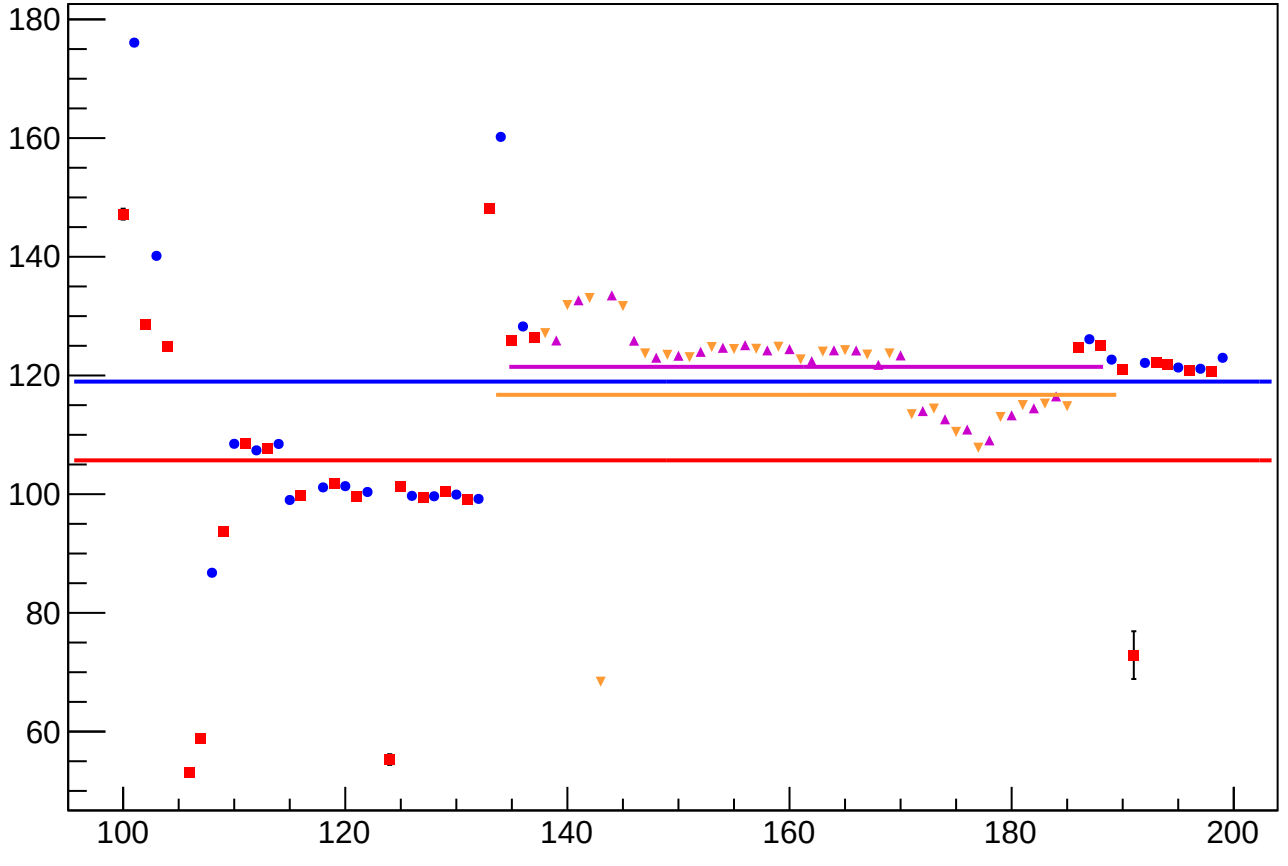
Right: -69.540+/-0.824 χ^2/NDF: 1640.3/48

In: -76.849+/-0.677 χ^2/NDF:1142.6/44

Out: -71.069+/-0.634 χ^2/NDF:1796.3/51

All: -73.771+/-0.463 χ^2/NDF: 2977.8/96

reg_asym_at1_avg_at2_avg_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 118.970+/-0.067 χ^2/NDF: 96493.2/21

Left Out: 116.740+/-0.036 χ^2/NDF:203650.9/24

Right Out: 105.698+/-0.060 χ^2/NDF: 194947.8/26

Left In: 121.455+/-0.037 χ^2/NDF:28796.4/22

Left: 119.004+/-0.026 χ^2/NDF: 240766.9/47

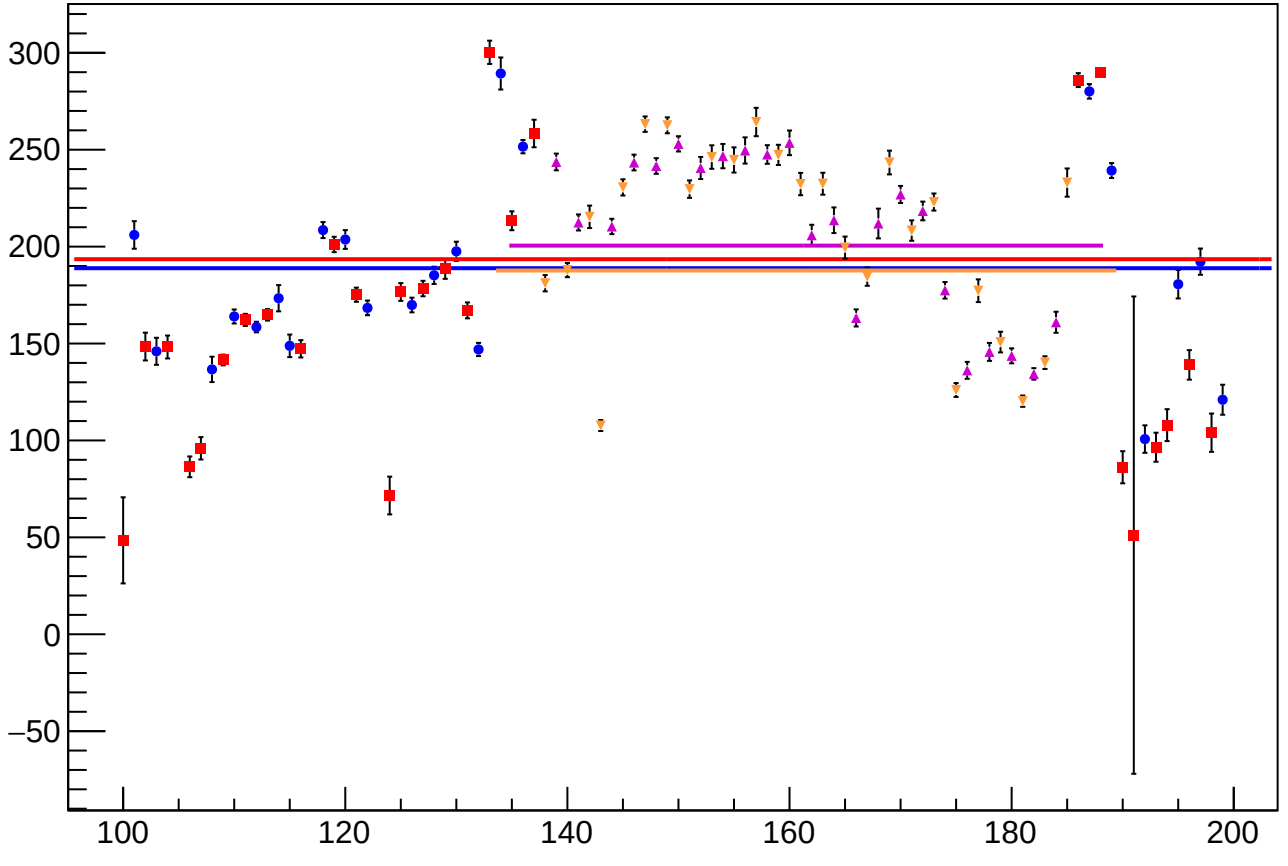
Right: 111.674+/-0.045 χ^2/NDF: 313276.1/48

In: 120.862+/-0.033 χ^2/NDF:126350.3/44

Out: 113.858+/-0.031 χ^2/NDF:423406.3/51

All: 117.169+/-0.022 χ^2/NDF: 574215.9/96

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 188.863+/-0.972 χ^2/NDF: 2047.6/21

Left Out: 187.681+/-0.898 χ^2/NDF:3528.3/24

Right Out: 193.510+/-0.855 χ^2/NDF: 5760.6/26

Left In: 200.521+/-0.955 χ^2/NDF:2111.4/22

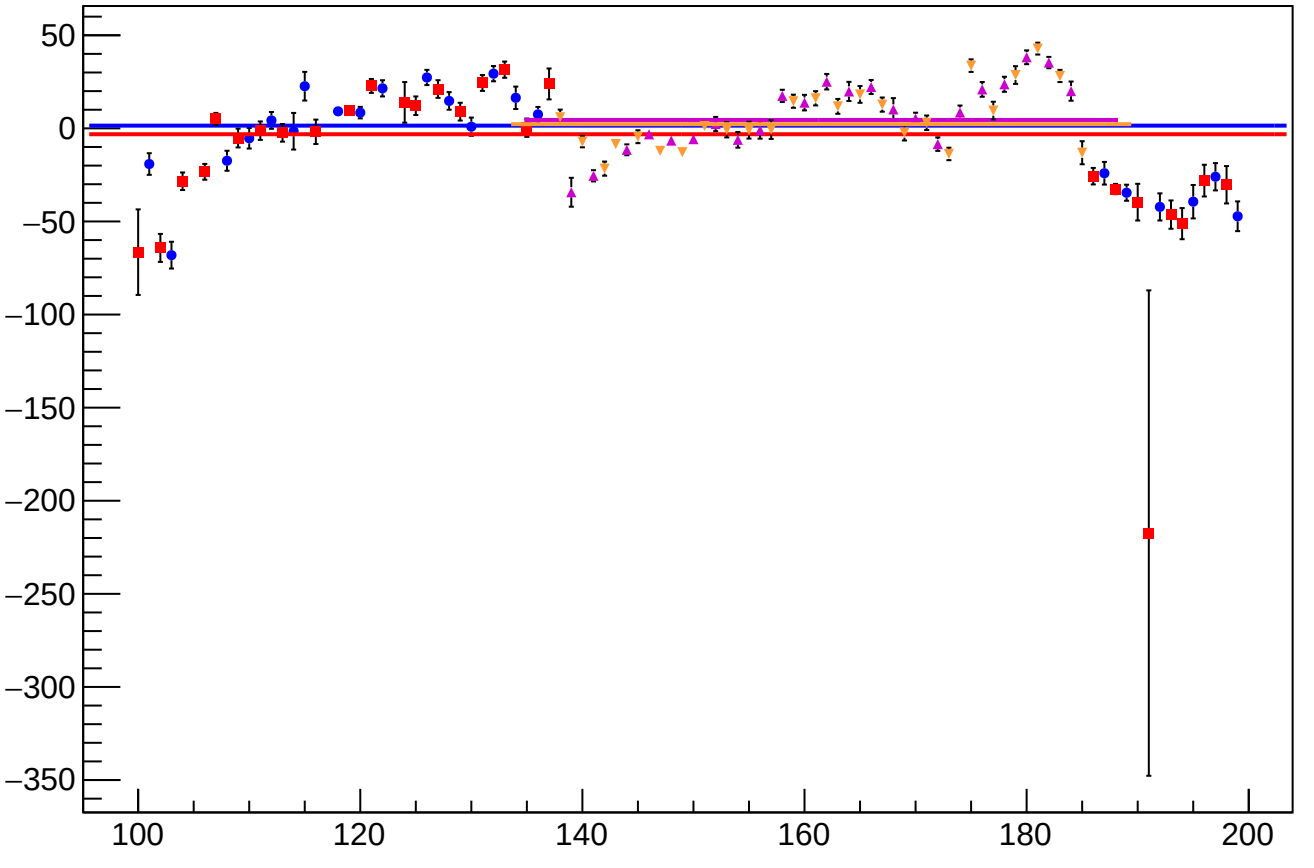
Left: 193.703+/-0.654 χ^2/NDF: 5735.7/47

Right: 191.484+/-0.642 χ^2/NDF: 7821.0/48

In: 194.796+/-0.681 χ^2/NDF:4232.2/44

Out: 190.737+/-0.619 χ^2/NDF:9311.0/51

All: 192.573+/-0.458 χ^2/NDF: 13562.6/96



Right In: 1.461+/-1.024 χ^2/NDF: 462.0/21

Left Out: 2.245+/-0.665 χ^2/NDF:600.9/24

Right Out: -3.157+/-0.939 χ^2/NDF: 602.6/26

Left In: 4.513+/-0.714 χ^2/NDF:547.1/22

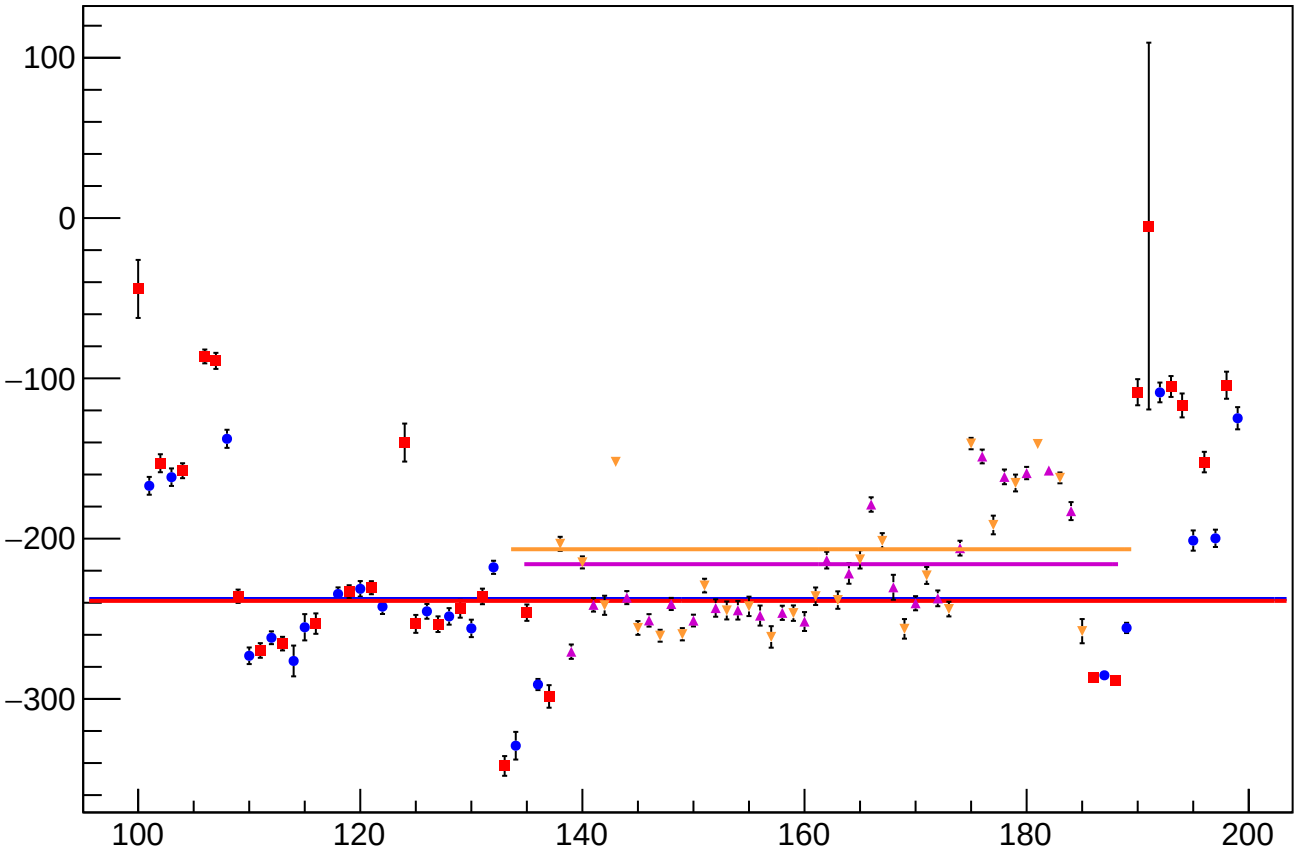
Left: 3.298+/-0.486 χ^2/NDF: 1153.4/47

Right: -1.048+/-0.692 χ^2/NDF: 1075.7/48

In: 3.514+/-0.586 χ^2/NDF:1015.1/44

Out: 0.442+/-0.542 χ^2/NDF:1225.5/51

All: 1.860+/-0.398 χ^2/NDF: 2255.5/96



Right In: -237.653+/-1.024 χ^2/NDF: 2220.4/21

Left Out: -206.617+/-0.895 χ^2/NDF:2467.8/24

Right Out: -238.832+/-0.865 χ^2/NDF: 5982.0/26

Left In: -215.938+/-0.946 χ^2/NDF:1711.9/22

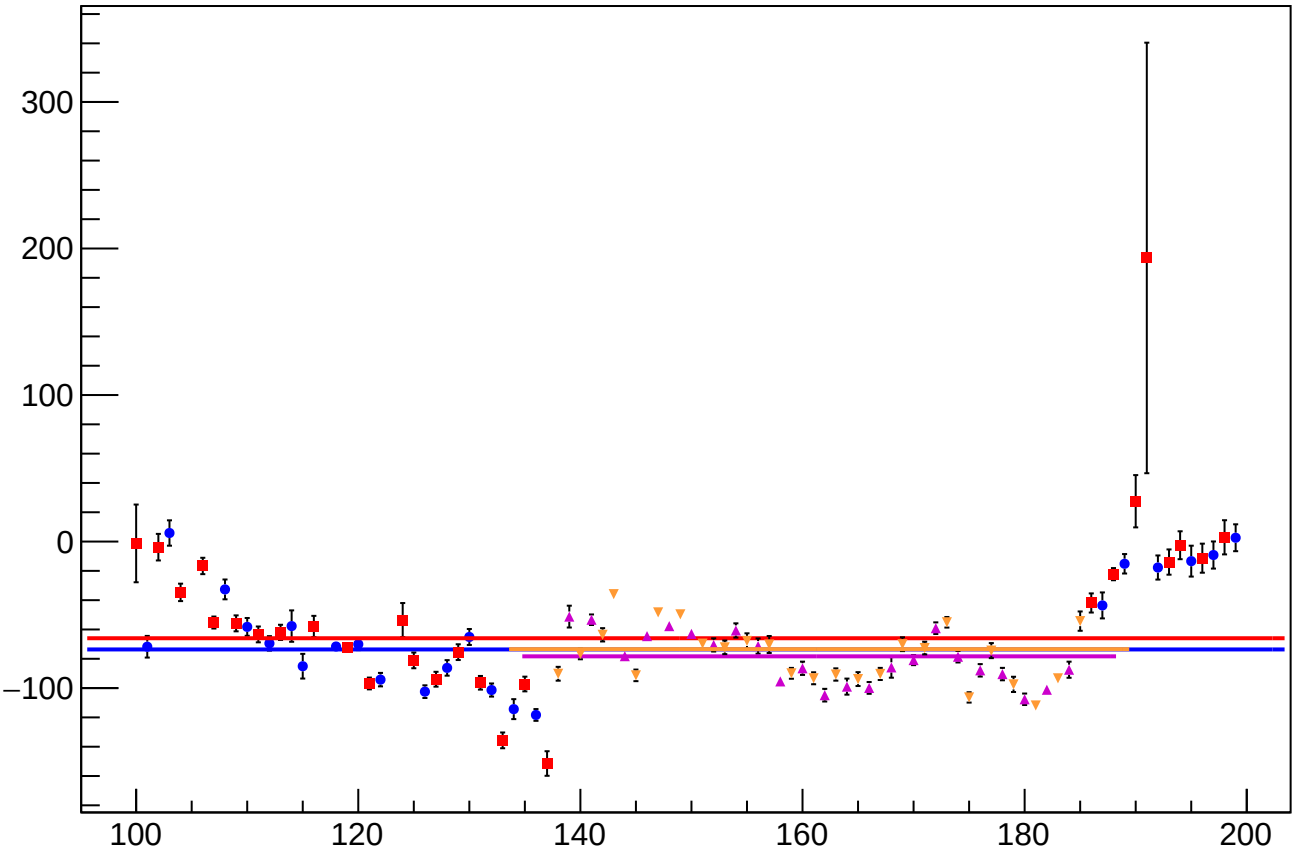
Left: -211.017+/-0.650 χ^2/NDF: 4230.9/47

Right: -238.341+/-0.661 χ^2/NDF: 8203.2/48

In: -225.944+/-0.695 χ^2/NDF:4175.0/44

Out: -223.267+/-0.622 χ^2/NDF:9119.8/51

All: -224.458+/-0.463 χ^2/NDF: 13303.1/96



Right In: -73.623+/-1.207 χ^2/NDF: 688.9/21

Left Out: -73.426+/-0.767 χ^2/NDF:836.6/24

Right Out: -65.980+/-1.127 χ^2/NDF: 929.9/26

Left In: -78.329+/-0.817 χ^2/NDF:443.2/22

Left: -75.722+/-0.559 χ^2/NDF: 1298.9/47

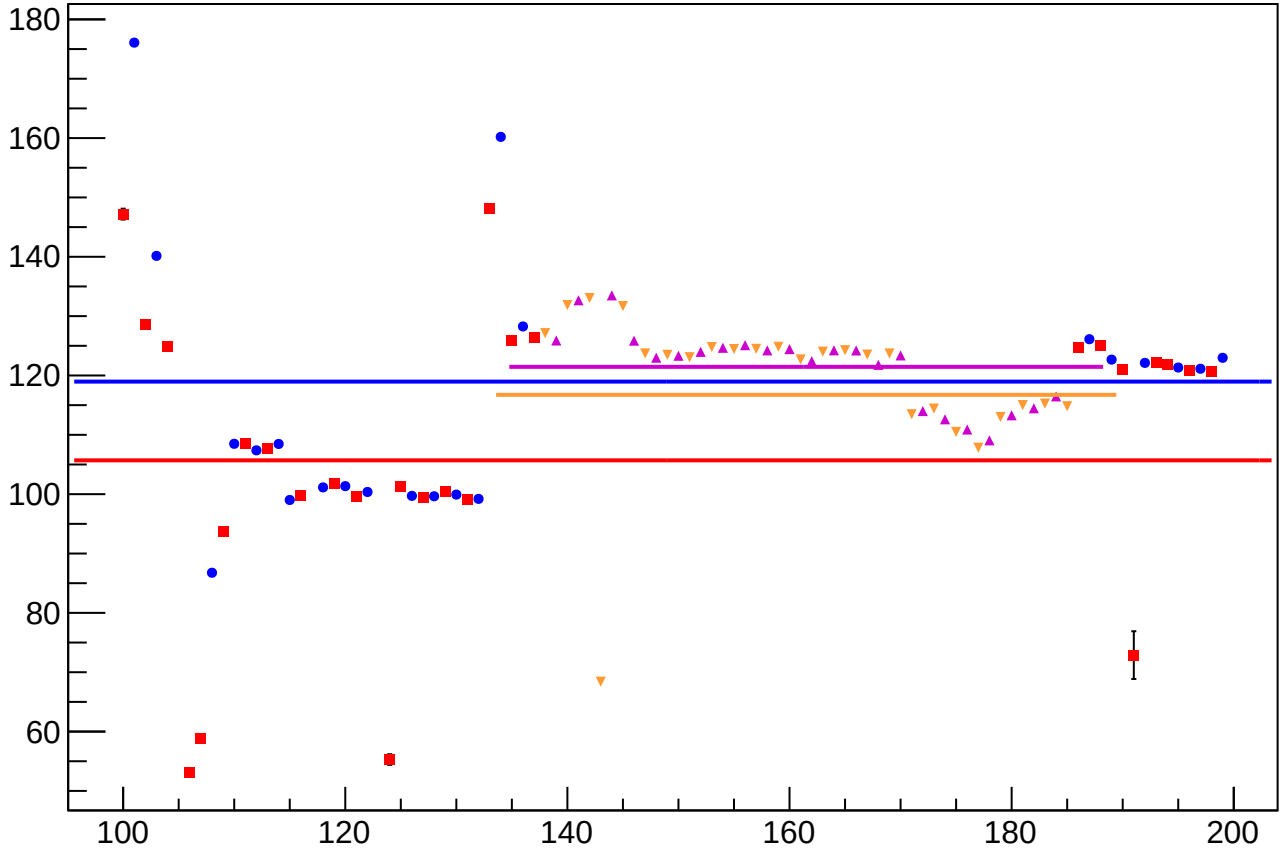
Right: -69.540+/-0.824 χ^2/NDF: 1640.3/48

In: -76.849+/-0.677 χ^2/NDF:1142.6/44

Out: -71.069+/-0.634 χ^2/NDF:1796.3/51

All: -73.771+/-0.463 χ^2/NDF: 2977.8/96

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 118.970+/-0.067 χ^2/NDF: 96493.2/21

Left Out: 116.740+/-0.036 χ^2/NDF:203650.9/24

Right Out: 105.698+/-0.060 χ^2/NDF: 194947.8/26

Left In: 121.455+/-0.037 χ^2/NDF:28796.4/22

Left: 119.004+/-0.026 χ^2/NDF: 240766.9/47

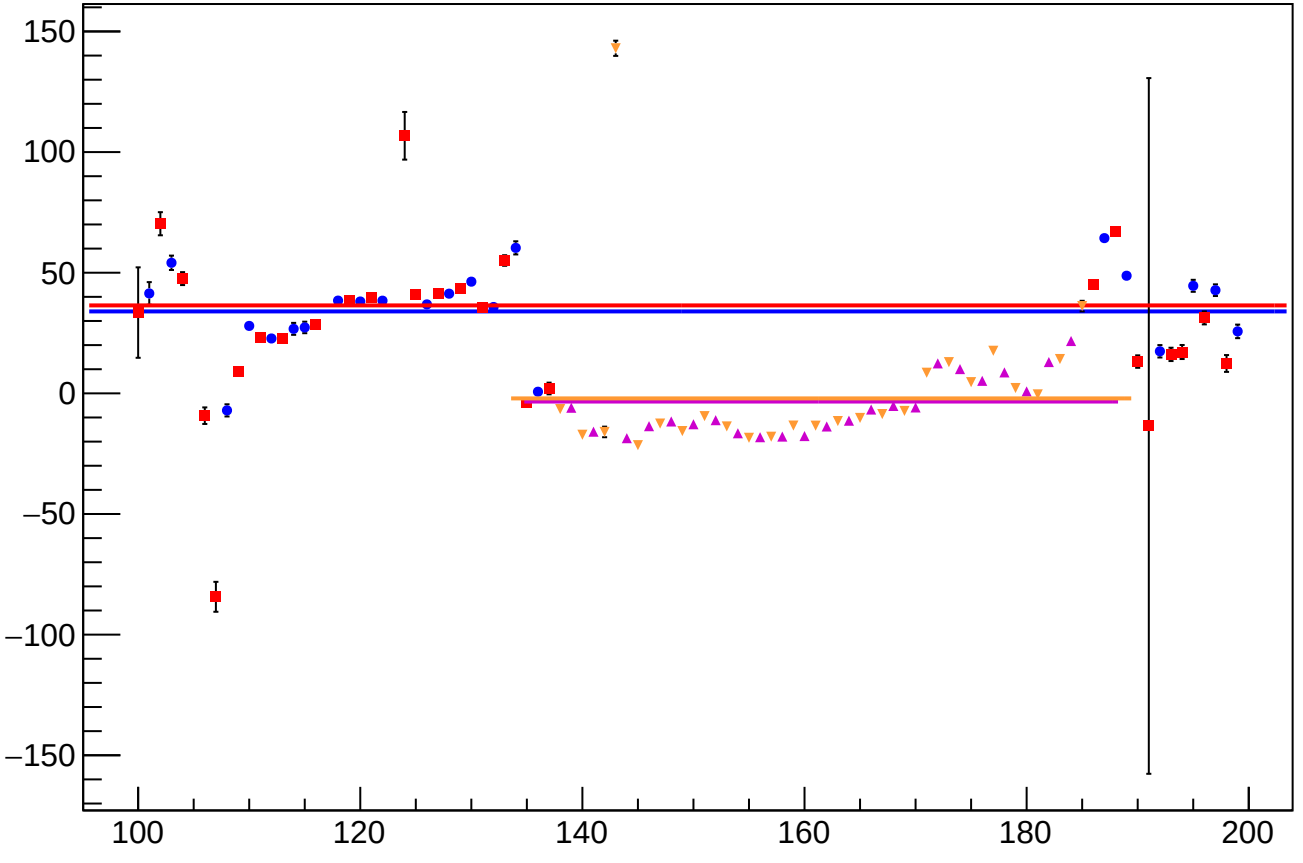
Right: 111.674+/-0.045 χ^2/NDF: 313276.1/48

In: 120.862+/-0.033 χ^2/NDF:126350.3/44

Out: 113.858+/-0.031 χ^2/NDF:423406.3/51

All: 117.169+/-0.022 χ^2/NDF: 574215.9/96

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 33.963+/-0.370 χ^2/NDF: 2232.6/21

Left Out: -2.091+/-0.267 χ^2/NDF:4201.3/24

Right Out: 36.453+/-0.320 χ^2/NDF: 4536.4/26

Left In: -3.391+/-0.271 χ^2/NDF:1752.8/22

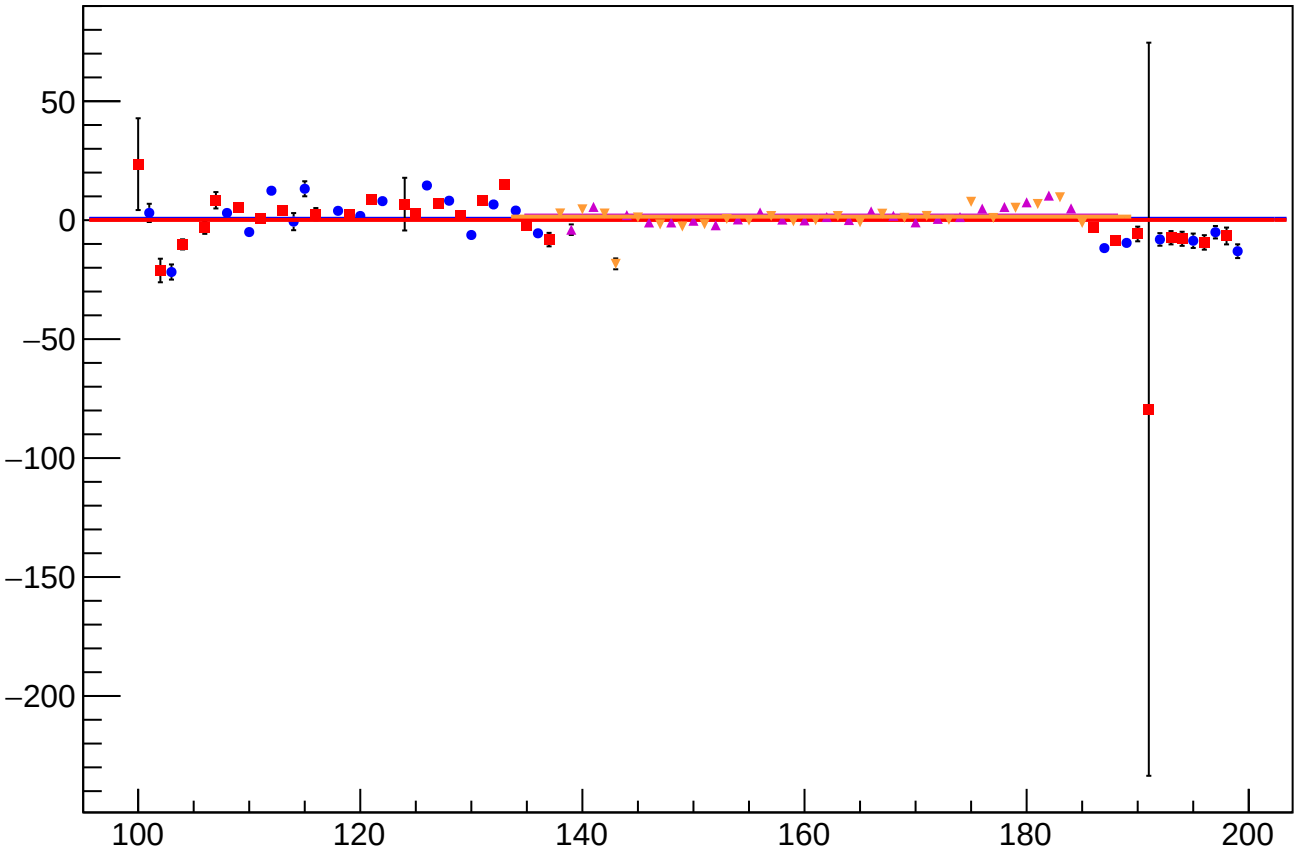
Left: -2.730+/-0.190 χ^2/NDF: 5965.8/47

Right: 35.385+/-0.242 χ^2/NDF: 6794.9/48

In: 9.688+/-0.219 χ^2/NDF:10623.6/44

Out: 13.689+/-0.205 χ^2/NDF:17284.5/51

All: 11.818+/-0.150 χ^2/NDF: 28086.3/96



Right In: 0.576+/-0.399 χ^2/NDF: 404.3/21

Left Out: 1.489+/-0.205 χ^2/NDF:328.6/24

Right Out: 0.103+/-0.370 χ^2/NDF: 348.5/26

Left In: 1.933+/-0.210 χ^2/NDF:240.7/22

Left: 1.705+/-0.147 χ^2/NDF: 571.5/47

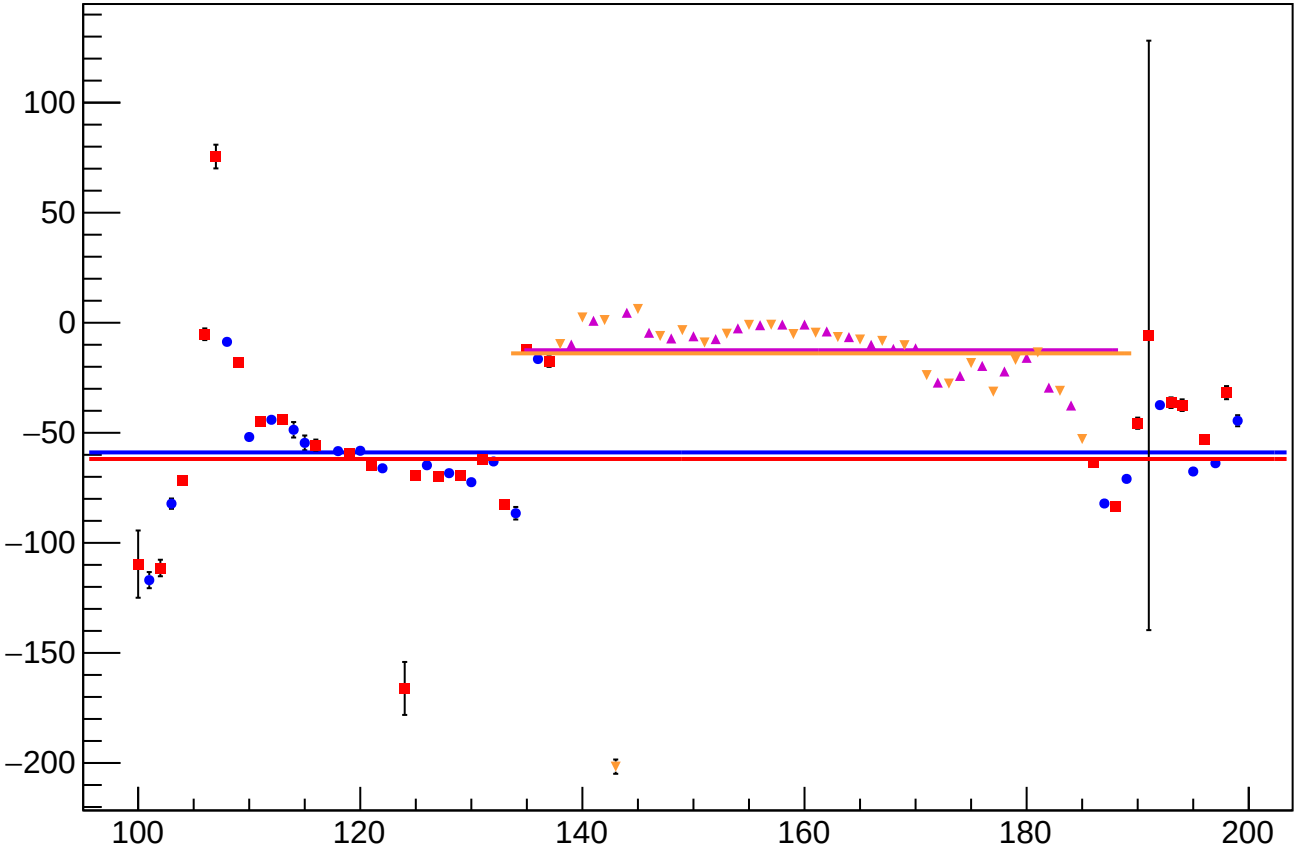
Right: 0.322+/-0.271 χ^2/NDF: 753.5/48

In: 1.637+/-0.186 χ^2/NDF:654.0/44

Out: 1.163+/-0.179 χ^2/NDF:687.8/51

All: 1.391+/-0.129 χ^2/NDF: 1345.1/96

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -58.905+/-0.385 χ^2/NDF: 3253.9/21

Left Out: -13.908+/-0.265 χ^2/NDF:5128.3/24

Right Out: -61.889+/-0.316 χ^2/NDF: 5307.7/26

Left In: -12.494+/-0.269 χ^2/NDF:1430.3/22

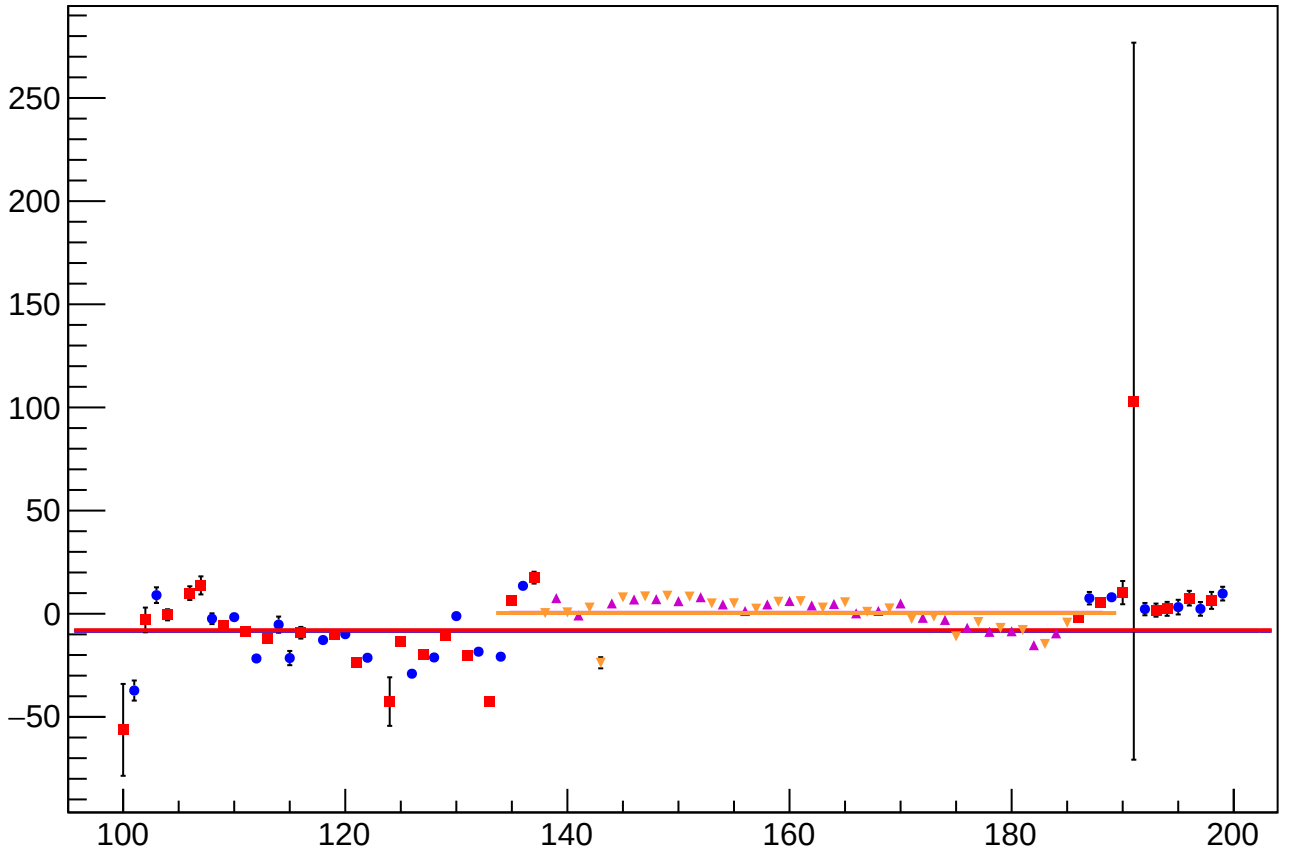
Left: -13.212+/-0.189 χ^2/NDF: 6572.6/47

Right: -60.688+/-0.244 χ^2/NDF: 8597.5/48

In: -27.677+/-0.220 χ^2/NDF:14444.0/44

Out: -33.670+/-0.203 χ^2/NDF:23968.5/51

All: -30.920+/-0.149 χ^2/NDF: 38812.6/96



Right In: -8.267+/-0.467 χ^2/NDF: 827.9/21

Left Out: 0.345+/-0.231 χ^2/NDF:921.9/24

Right Out: -8.003+/-0.448 χ^2/NDF: 864.9/26

Left In: 0.433+/-0.237 χ^2/NDF:782.1/22

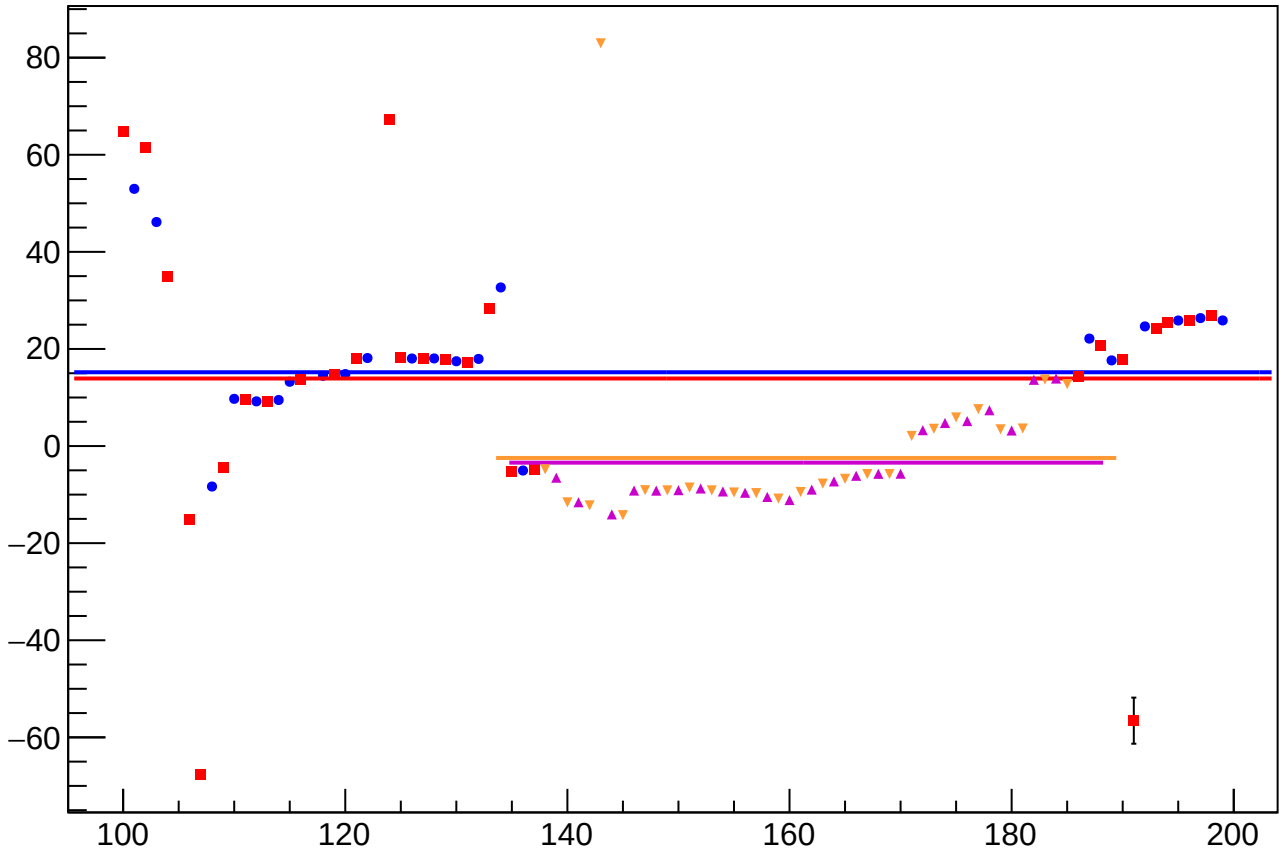
Left: 0.388+/-0.165 χ^2/NDF: 1704.0/47

Right: -8.129+/-0.323 χ^2/NDF: 1693.0/48

In: -1.343+/-0.211 χ^2/NDF:1885.9/44

Out: -1.413+/-0.206 χ^2/NDF:2060.9/51

All: -1.379+/-0.147 χ^2/NDF: 3946.9/96



Right In: 15.204+/-0.025 χ^2/NDF: 409789.3/21

Left Out: -2.452+/-0.010 χ^2/NDF:961833.3/24

Right Out: 13.914+/-0.025 χ^2/NDF: 518739.4/26

Left In: -3.418+/-0.010 χ^2/NDF:546802.2/22

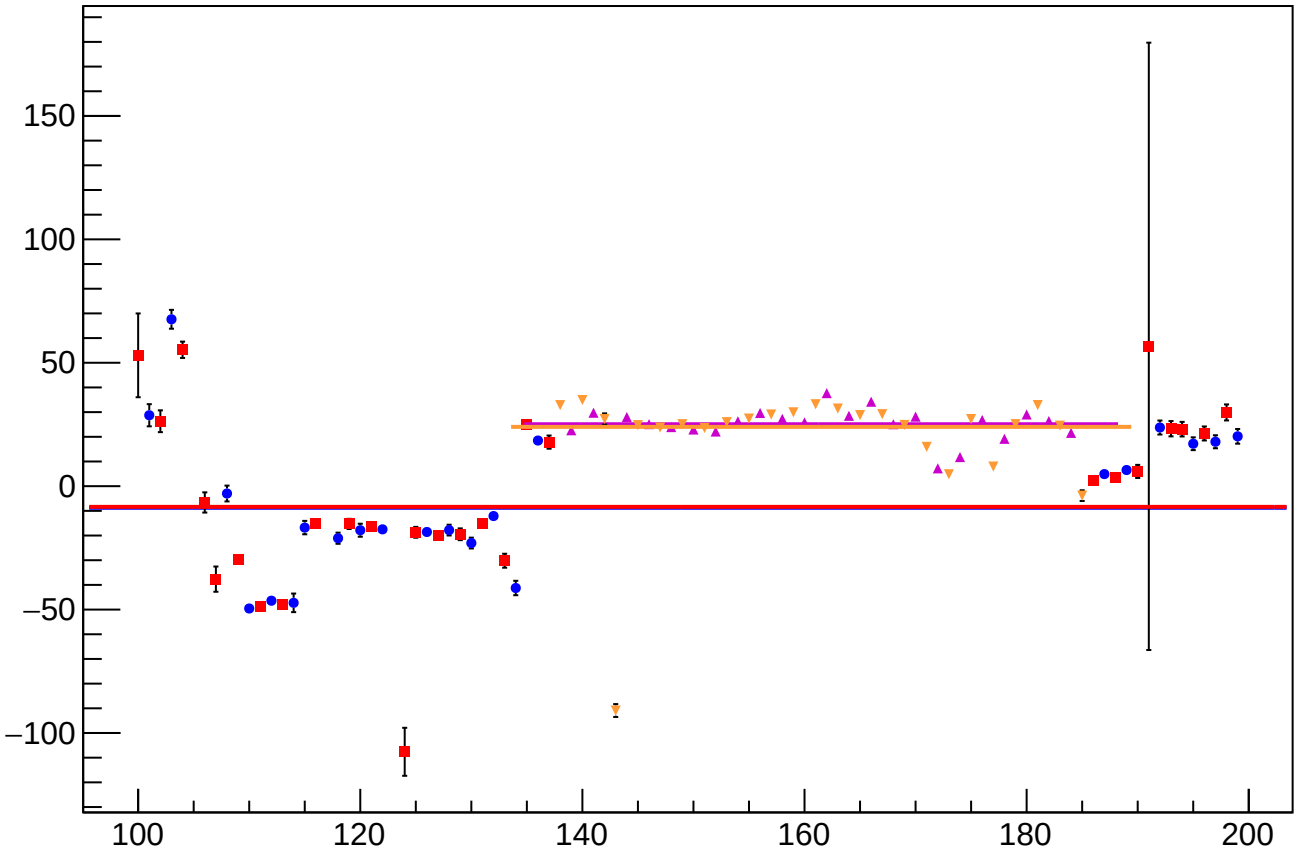
Left: -2.931+/-0.007 χ^2/NDF: 1512952.8/47

Right: 14.555+/-0.018 χ^2/NDF: 929881.7/48

In: -0.627+/-0.010 χ^2/NDF:1433358.3/44

Out: -0.008+/-0.010 χ^2/NDF:1853768.9/51

All: -0.315+/-0.007 χ^2/NDF: 3289213.7/96



Right In: -8.744+/-0.470 χ^2/NDF: 2823.3/21

Left Out: 24.025+/-0.282 χ^2/NDF:2802.2/24

Right Out: -8.386+/-0.420 χ^2/NDF: 3140.9/26

Left In: 25.089+/-0.287 χ^2/NDF:495.3/22

Left: 24.547+/-0.201 χ^2/NDF: 3304.5/47

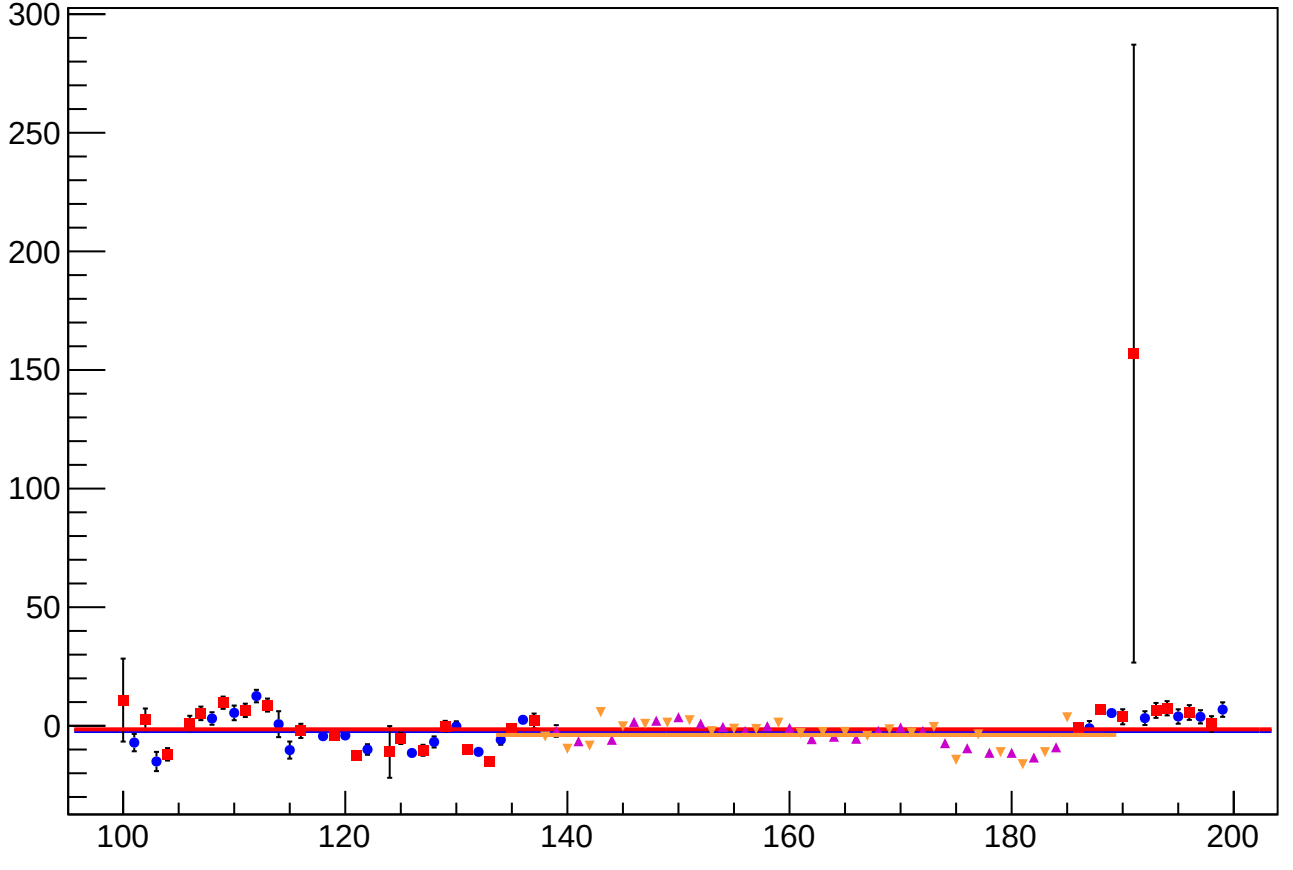
Right: -8.545+/-0.313 χ^2/NDF: 5964.6/48

In: 15.889+/-0.245 χ^2/NDF:7091.8/44

Out: 13.948+/-0.234 χ^2/NDF:10049.9/51

All: 14.874+/-0.169 χ^2/NDF: 17174.6/96

reg_asym_at1_dd_at2_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -2.205+/-0.496 χ^2/NDF: 164.9/21

Left Out: -3.845+/-0.218 χ^2/NDF:649.4/24

Right Out: -1.478+/-0.471 χ^2/NDF: 235.1/26

Left In: -3.780+/-0.224 χ^2/NDF:509.8/22

Left: -3.813+/-0.156 χ^2/NDF: 1159.2/47

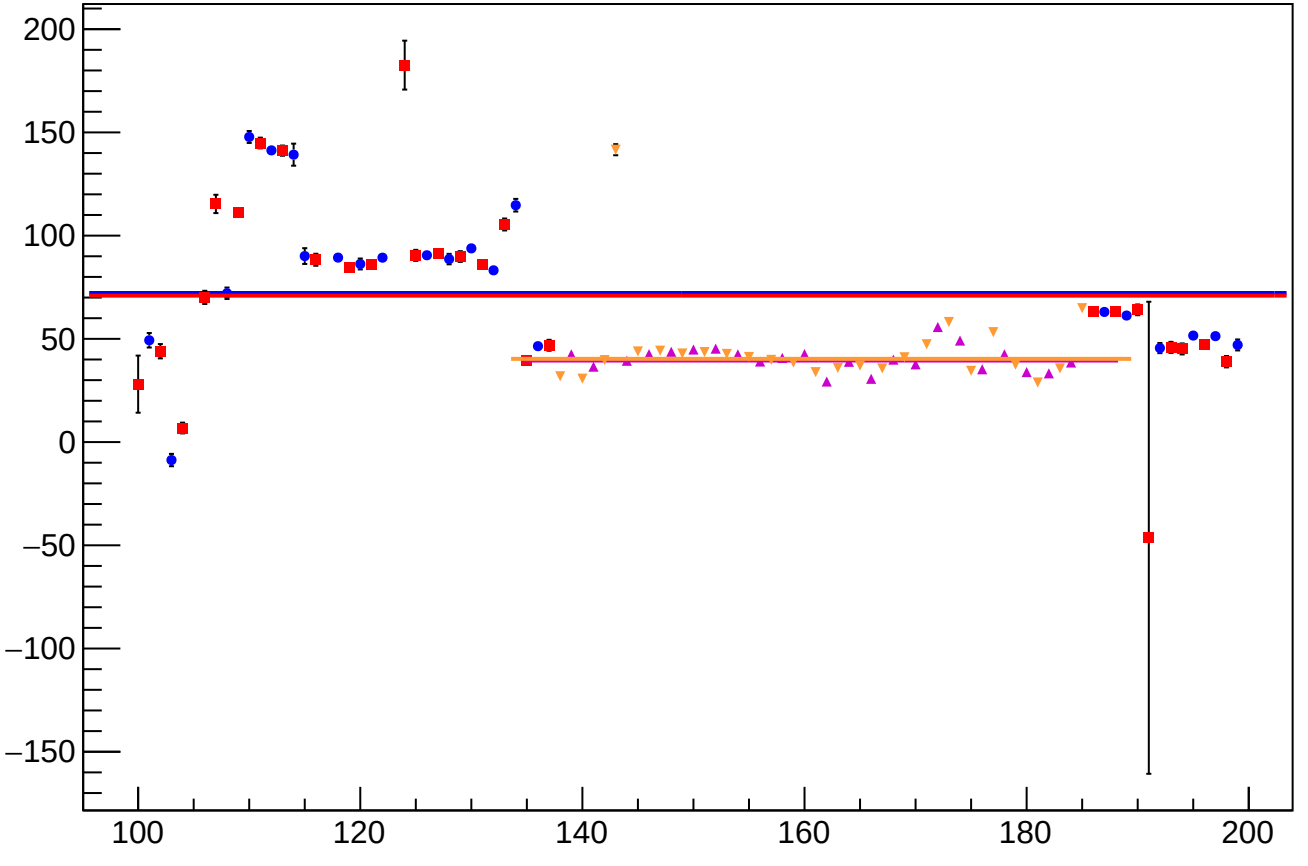
Right: -1.823+/-0.341 χ^2/NDF: 401.1/48

In: -3.514+/-0.204 χ^2/NDF:683.1/44

Out: -3.427+/-0.198 χ^2/NDF:905.3/51

All: -3.469+/-0.142 χ^2/NDF: 1588.5/96

reg_asym_at1_dd_at2_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 72.206+/-0.487 χ^2/NDF: 3914.2/21

Left Out: 40.315+/-0.280 χ^2/NDF:2182.8/24

Right Out: 70.941+/-0.418 χ^2/NDF: 4218.2/26

Left In: 39.504+/-0.285 χ^2/NDF:432.1/22

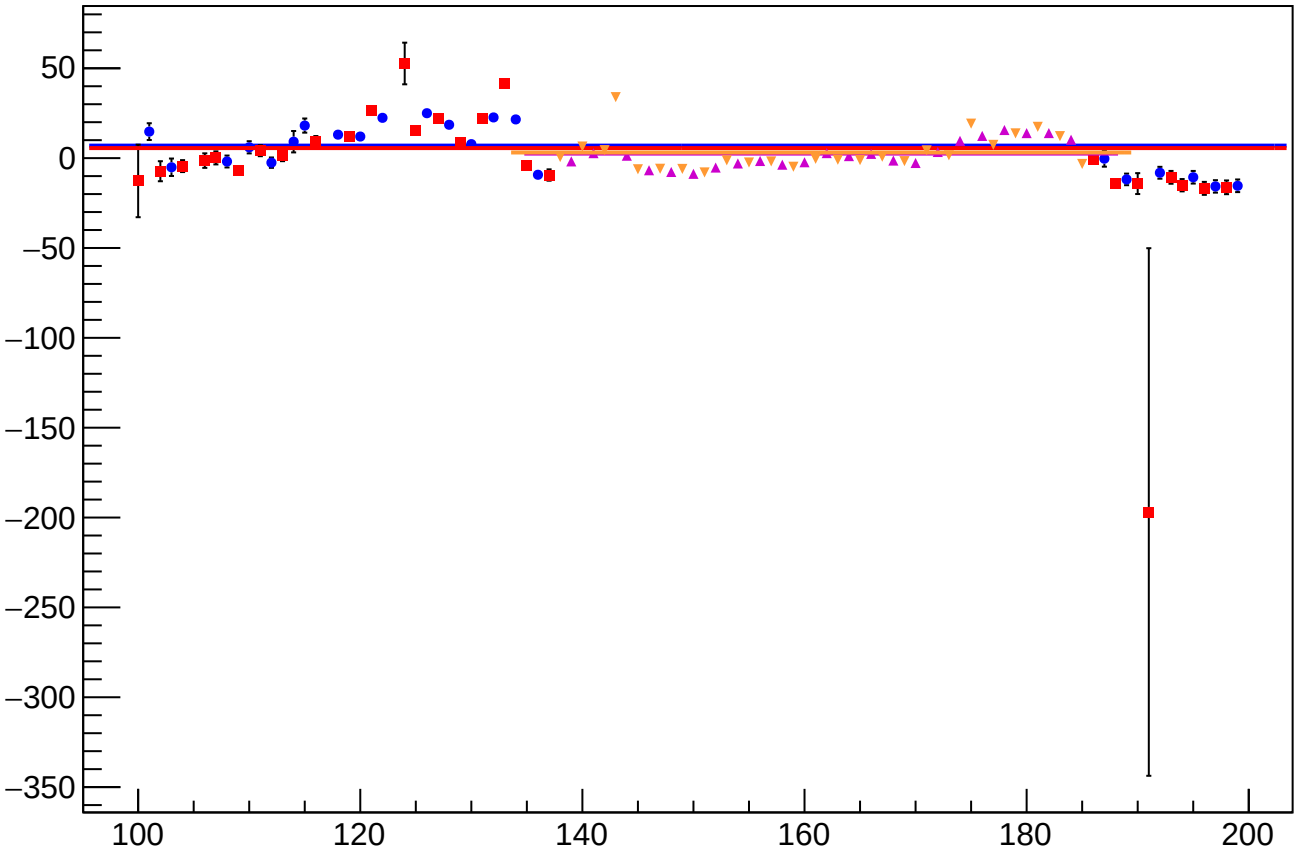
Left: 39.916+/-0.200 χ^2/NDF: 2619.0/47

Right: 71.478+/-0.317 χ^2/NDF: 8136.3/48

In: 47.843+/-0.246 χ^2/NDF:7710.3/44

Out: 49.808+/-0.233 χ^2/NDF:10105.2/51

All: 48.879+/-0.169 χ^2/NDF: 17849.2/96



Right In: 6.960+/-0.574 χ^2/NDF: 555.2/21

Left Out: 3.142+/-0.245 χ^2/NDF:1267.0/24

Right Out: 5.587+/-0.561 χ^2/NDF: 757.8/26

Left In: 2.519+/-0.251 χ^2/NDF:968.2/22

Left: 2.837+/-0.175 χ^2/NDF: 2238.3/47

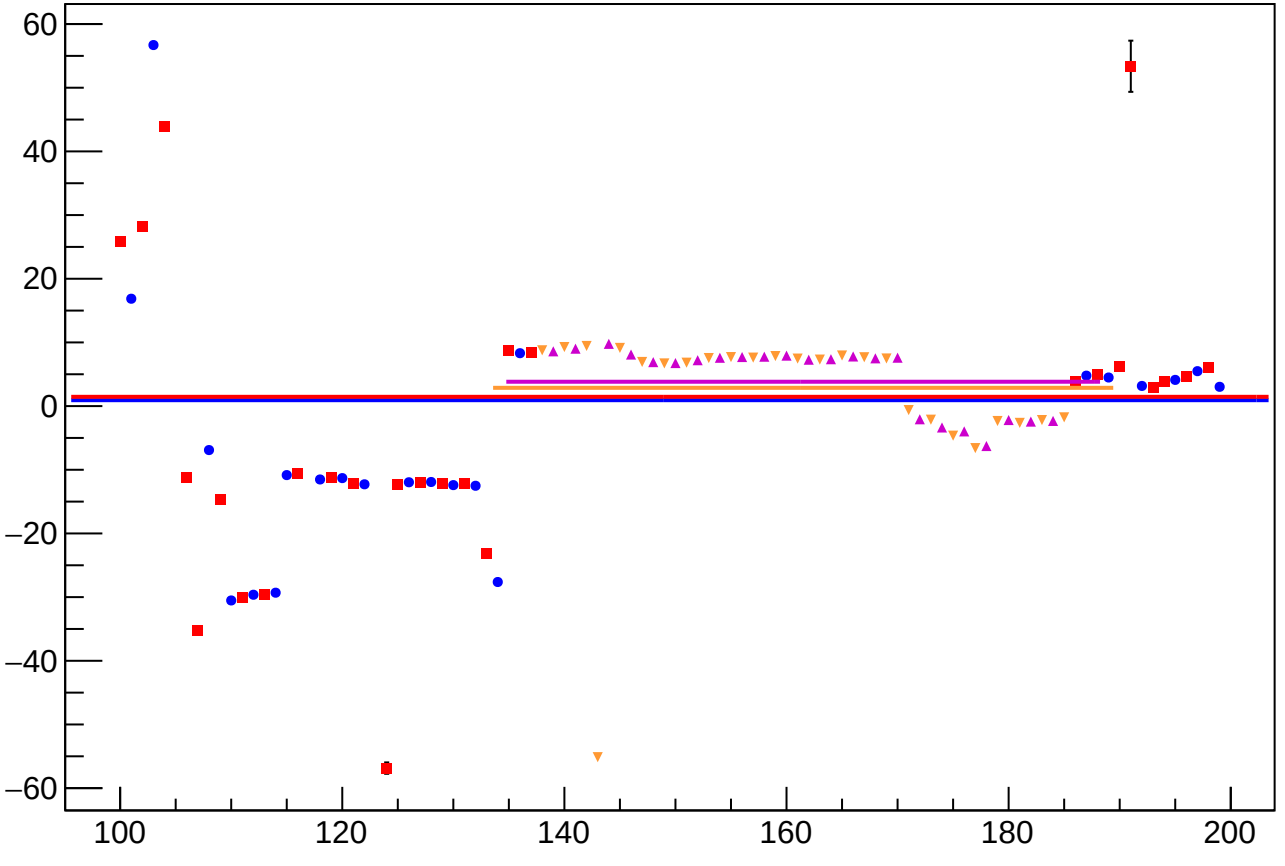
Right: 6.258+/-0.401 χ^2/NDF: 1315.9/48

In: 3.231+/-0.230 χ^2/NDF:1573.6/44

Out: 3.535+/-0.225 χ^2/NDF:2040.7/51

All: 3.386+/-0.161 χ^2/NDF: 3615.2/96

reg_asym_at1_dd_at2_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.927+/-0.029 χ^2/NDF: 374474.2/21

Left Out: 2.870+/-0.011 χ^2/NDF:512331.0/24

Right Out: 1.457+/-0.029 χ^2/NDF: 324774.5/26

Left In: 3.825+/-0.011 χ^2/NDF:233224.7/22

Left: 3.343+/-0.008 χ^2/NDF: 749294.8/47

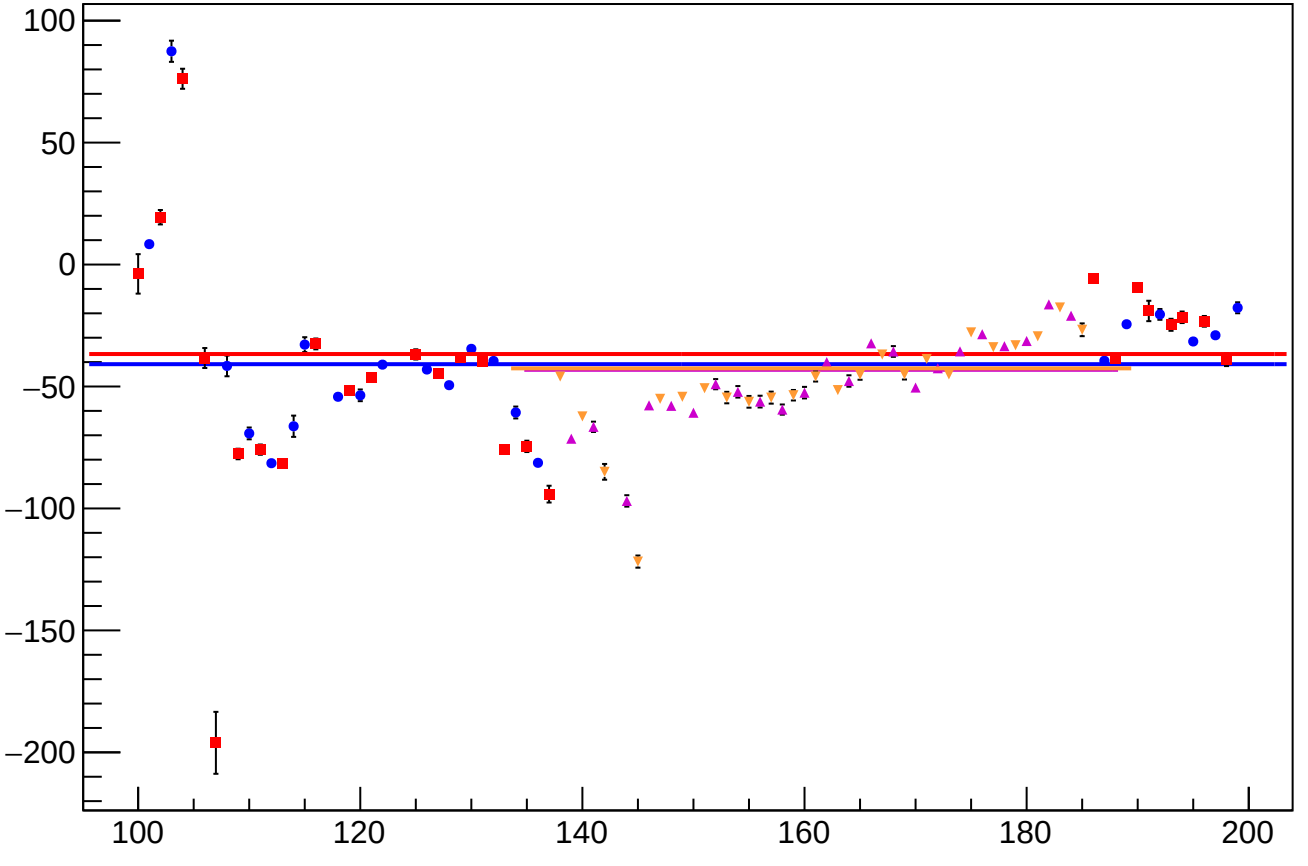
Right: 1.192+/-0.020 χ^2/NDF: 699417.8/48

In: 3.451+/-0.010 χ^2/NDF:616494.1/44

Out: 2.690+/-0.010 χ^2/NDF:839208.0/51

All: 3.067+/-0.007 χ^2/NDF: 1458422.2/96

reg_asym_usl_atl1_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -40.849+/-0.429 χ^2/NDF: 3301.1/21

Left Out: -42.560+/-0.378 χ^2/NDF:2326.4/23

Right Out: -36.689+/-0.373 χ^2/NDF: 5086.2/25

Left In: -43.152+/-0.382 χ^2/NDF:2206.6/22

Left: -42.854+/-0.269 χ^2/NDF: 4534.2/46

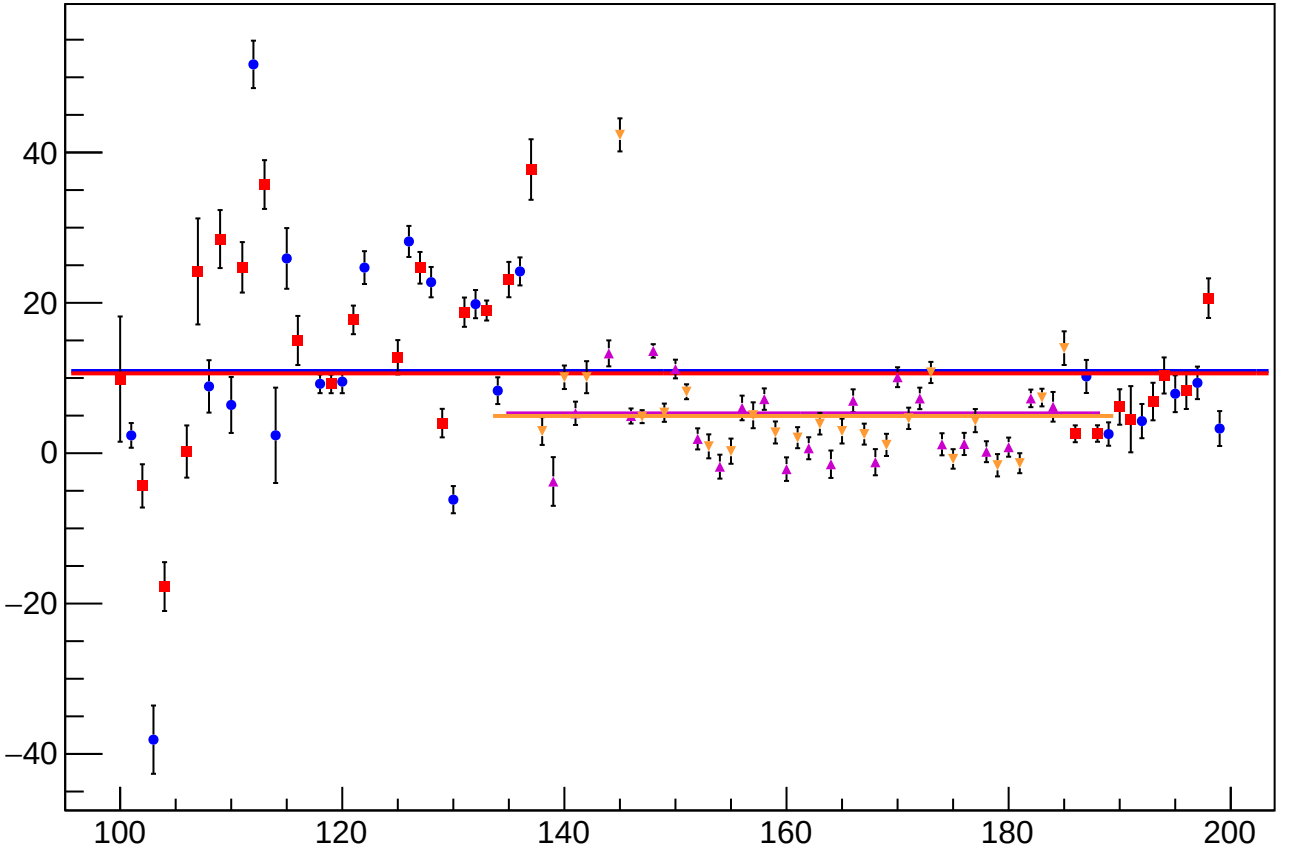
Right: -38.476+/-0.281 χ^2/NDF: 8440.9/47

In: -42.135+/-0.285 χ^2/NDF:5523.8/44

Out: -39.579+/-0.265 χ^2/NDF:7534.9/49

All: -40.766+/-0.194 χ^2/NDF: 13101.8/94

reg_asym_usl_atl1_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 10.933+/-0.443 χ^2/NDF: 689.9/21

Left Out: 4.954+/-0.288 χ^2/NDF:449.1/23

Right Out: 10.619+/-0.412 χ^2/NDF: 547.7/25

Left In: 5.292+/-0.294 χ^2/NDF:286.4/22

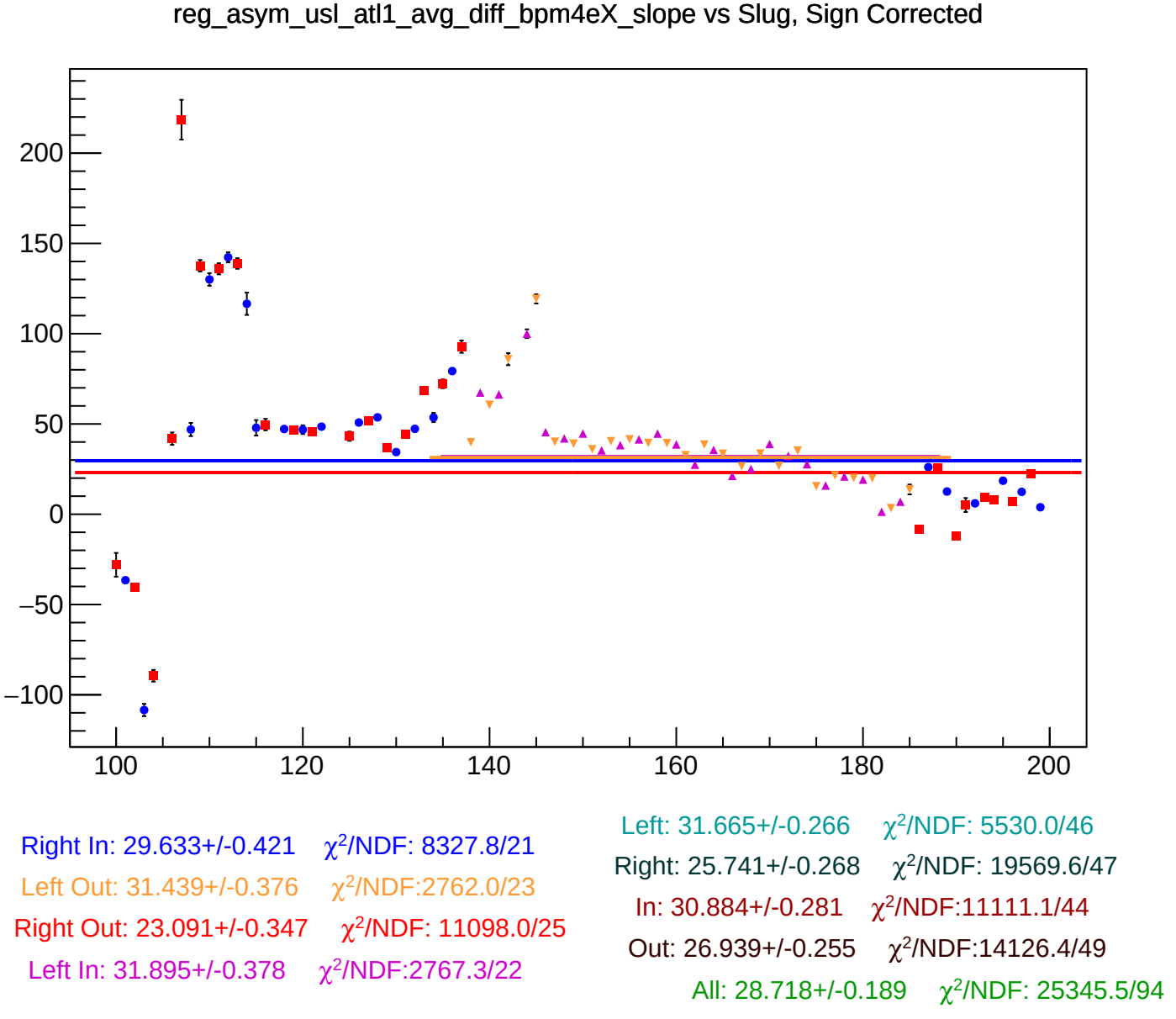
Left: 5.120+/-0.206 χ^2/NDF: 736.1/46

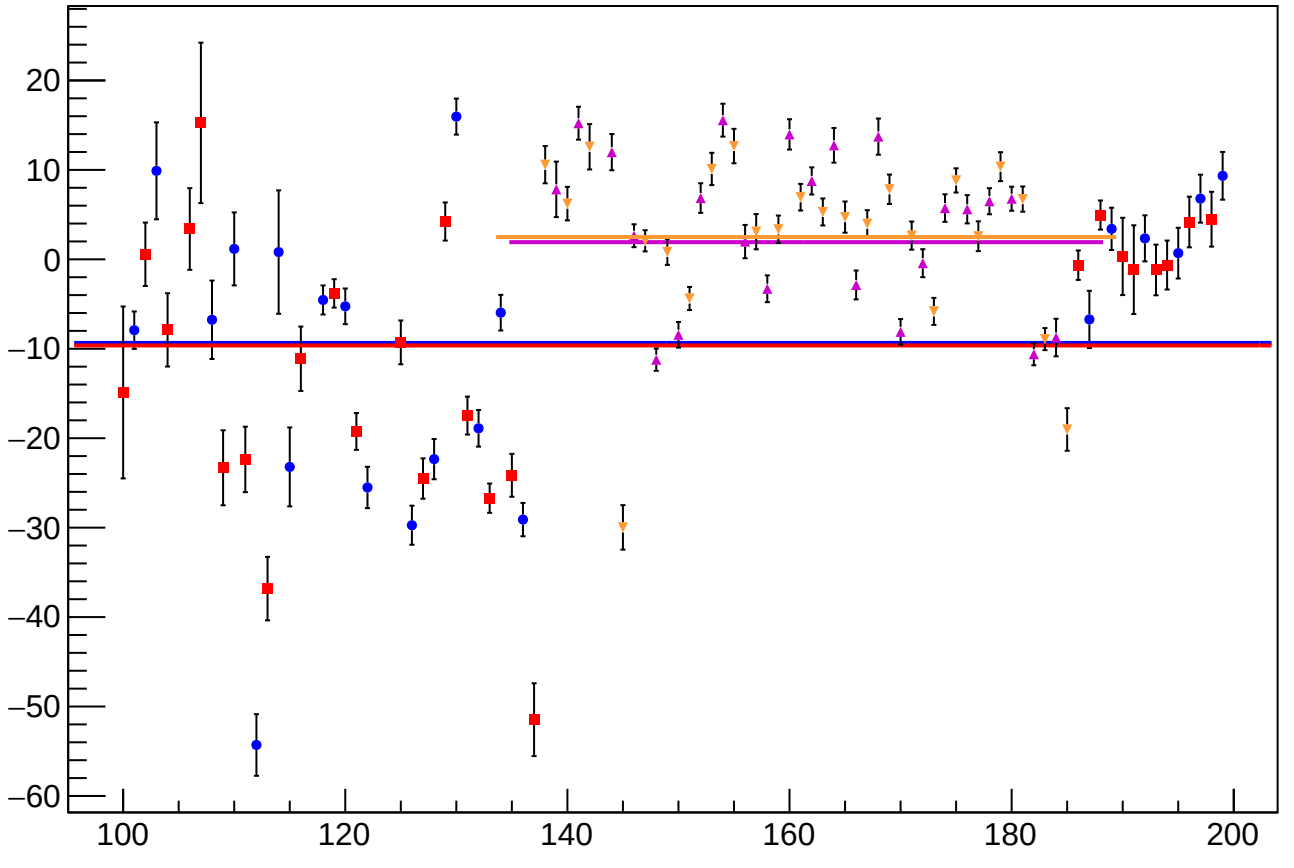
Right: 10.765+/-0.302 χ^2/NDF: 1237.9/47

In: 7.019+/-0.245 χ^2/NDF:1088.8/44

Out: 6.815+/-0.236 χ^2/NDF:1123.4/49

All: 6.913+/-0.170 χ^2/NDF: 2212.6/94


reg_asym_usl_atl1_avg_diff_bpm4eX_slope vs Slug, Sign Corrected
200
150
100
50
0
−50
−100
100
120
140
160
180
200
Right In: 29.633+/-0.421 χ²/NDF: 8327.8/21
Left Out: 31.439+/-0.376 χ²/NDF:2762.0/23
Right Out: 23.091+/-0.347 χ²/NDF: 11098.0/25
Left In: 31.895+/-0.378 χ²/NDF:2767.3/22
Left: 31.665+/-0.266 χ²/NDF: 5530.0/46
Right: 25.741+/-0.268 χ²/NDF: 19569.6/47
In: 30.884+/-0.281 χ²/NDF:11111.1/44
Out: 26.939+/-0.255 χ²/NDF:14126.4/49
All: 28.718+/-0.189 χ²/NDF: 25345.5/94



Right In: -9.345+/-0.526 χ^2/NDF: 826.9/21

Left Out: 2.494+/-0.327 χ^2/NDF:558.7/23

Right Out: -9.631+/-0.508 χ^2/NDF: 675.0/25

Left In: 1.921+/-0.332 χ^2/NDF:678.8/22

Left: 2.212+/-0.233 χ^2/NDF: 1239.1/46

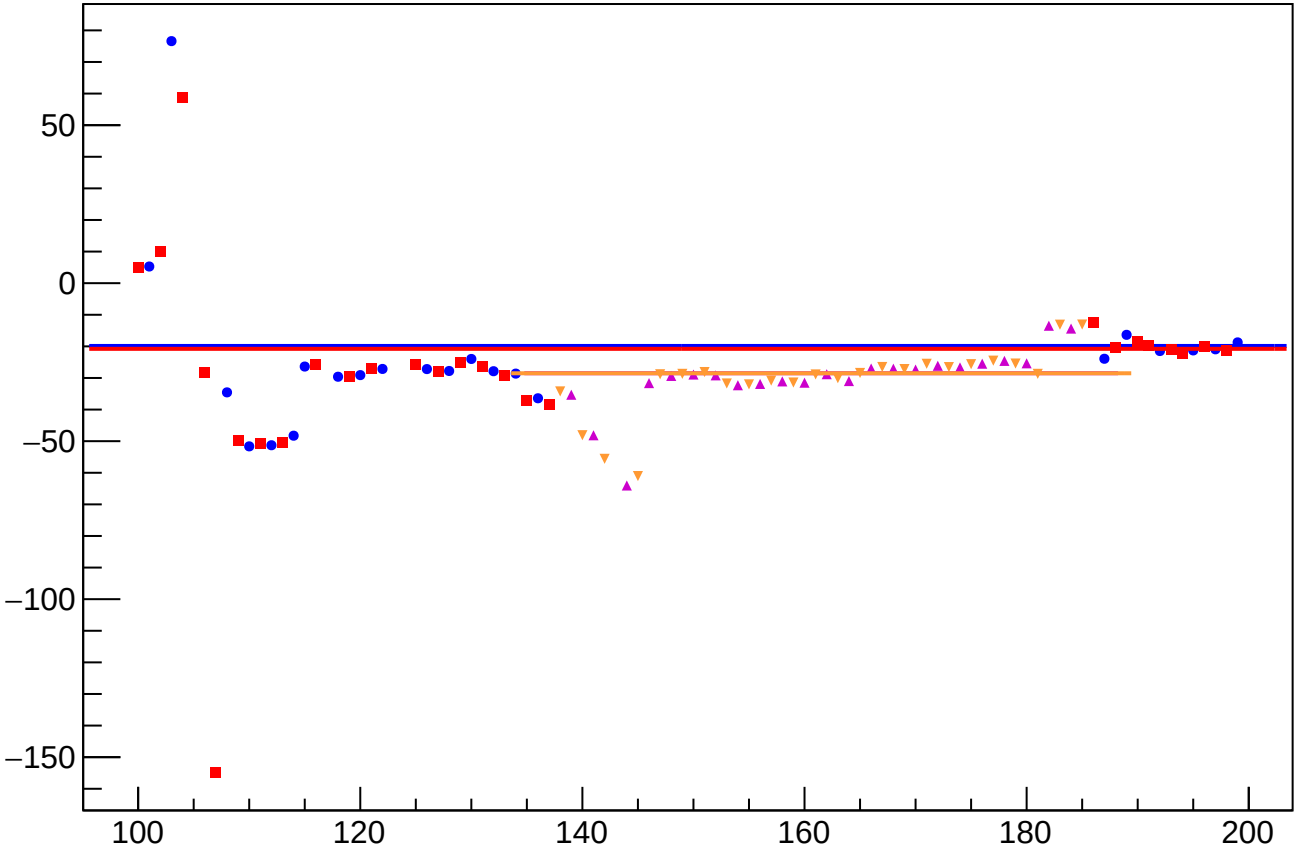
Right: -9.493+/-0.365 χ^2/NDF: 1502.0/47

In: -1.287+/-0.281 χ^2/NDF:1833.6/44

Out: -1.054+/-0.275 χ^2/NDF:1636.6/49

All: -1.168+/-0.196 χ^2/NDF: 3470.6/94

reg_asym_usl_atl1_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -19.868+/-0.026 χ^2/NDF: 649685.6/21

Left Out: -28.513+/-0.015 χ^2/NDF:333774.3/23

Right Out: -20.778+/-0.026 χ^2/NDF: 553211.1/25

Left In: -28.495+/-0.015 χ^2/NDF:287757.4/22

Left: -28.504+/-0.010 χ^2/NDF: 621532.4/46

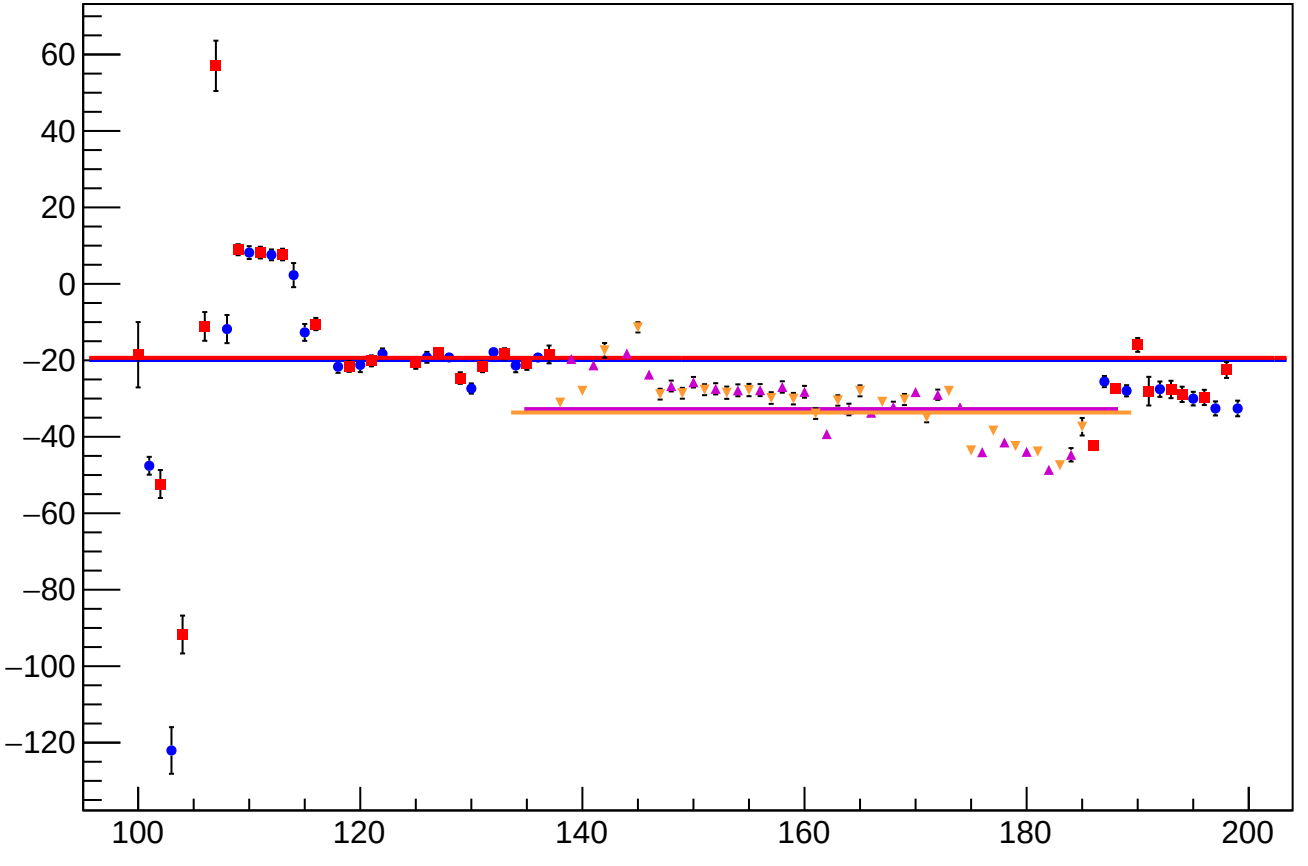
Right: -20.331+/-0.018 χ^2/NDF: 1203516.9/47

In: -26.389+/-0.013 χ^2/NDF:1020286.1/44

Out: -26.584+/-0.013 χ^2/NDF:955418.4/49

All: -26.488+/-0.009 χ^2/NDF: 1975819.8/94

reg_asym_usl_atl1_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -19.915+/-0.350 χ^2/NDF: 1359.1/21

Left Out: -33.643+/-0.265 χ^2/NDF:1015.9/23

Right Out: -19.347+/-0.327 χ^2/NDF: 2010.9/25

Left In: -32.750+/-0.269 χ^2/NDF:1143.5/22

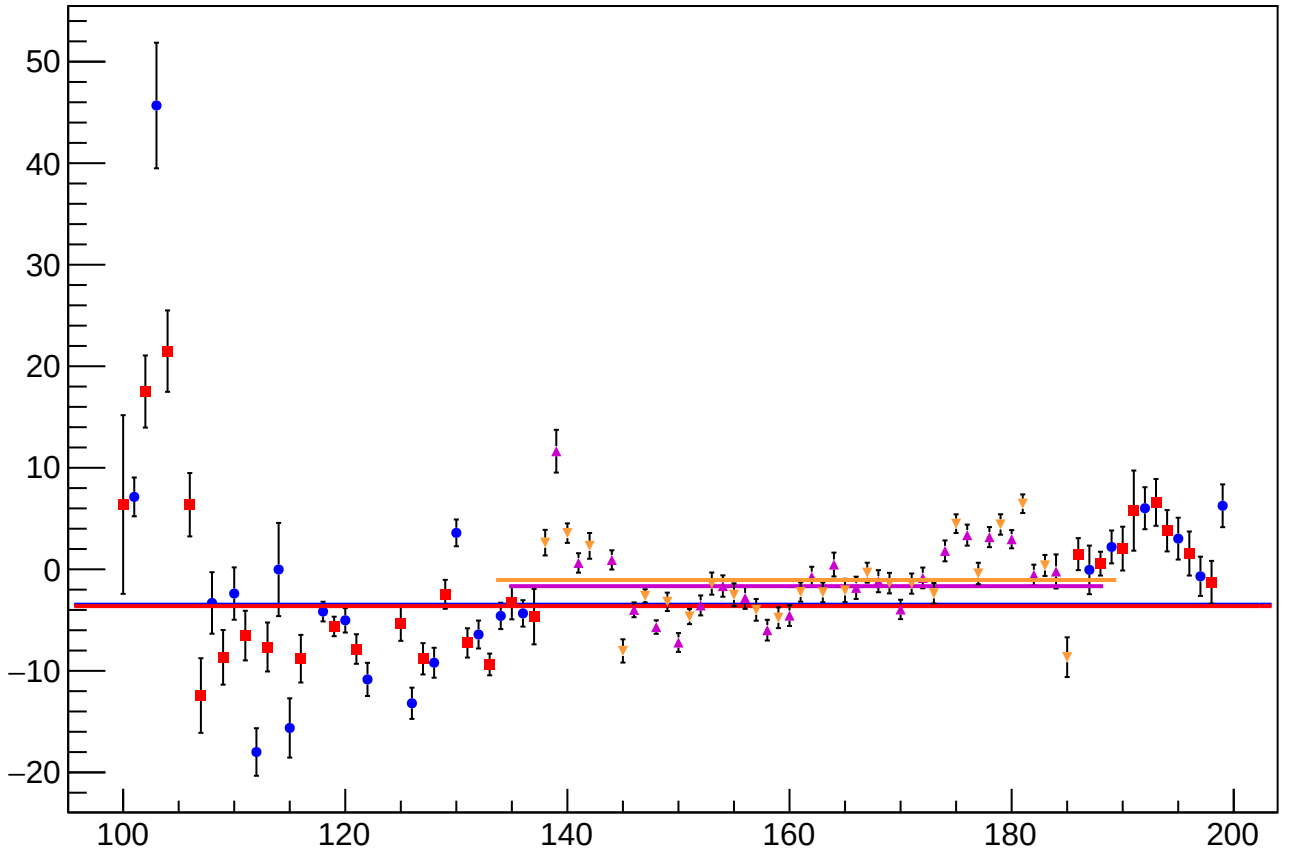
Left: -33.202+/-0.189 χ^2/NDF: 2165.0/46

Right: -19.612+/-0.239 χ^2/NDF: 3371.4/47

In: -27.996+/-0.213 χ^2/NDF:3348.6/44

Out: -27.974+/-0.206 χ^2/NDF:4179.6/49

All: -27.985+/-0.148 χ^2/NDF: 7528.2/94



Right In: -3.481+/-0.360 χ^2/NDF: 331.1/21

Left Out: -1.050+/-0.203 χ^2/NDF:289.4/23

Right Out: -3.623+/-0.354 χ^2/NDF: 241.4/25

Left In: -1.659+/-0.207 χ^2/NDF:264.4/22

Left: -1.349+/-0.145 χ^2/NDF: 558.2/46

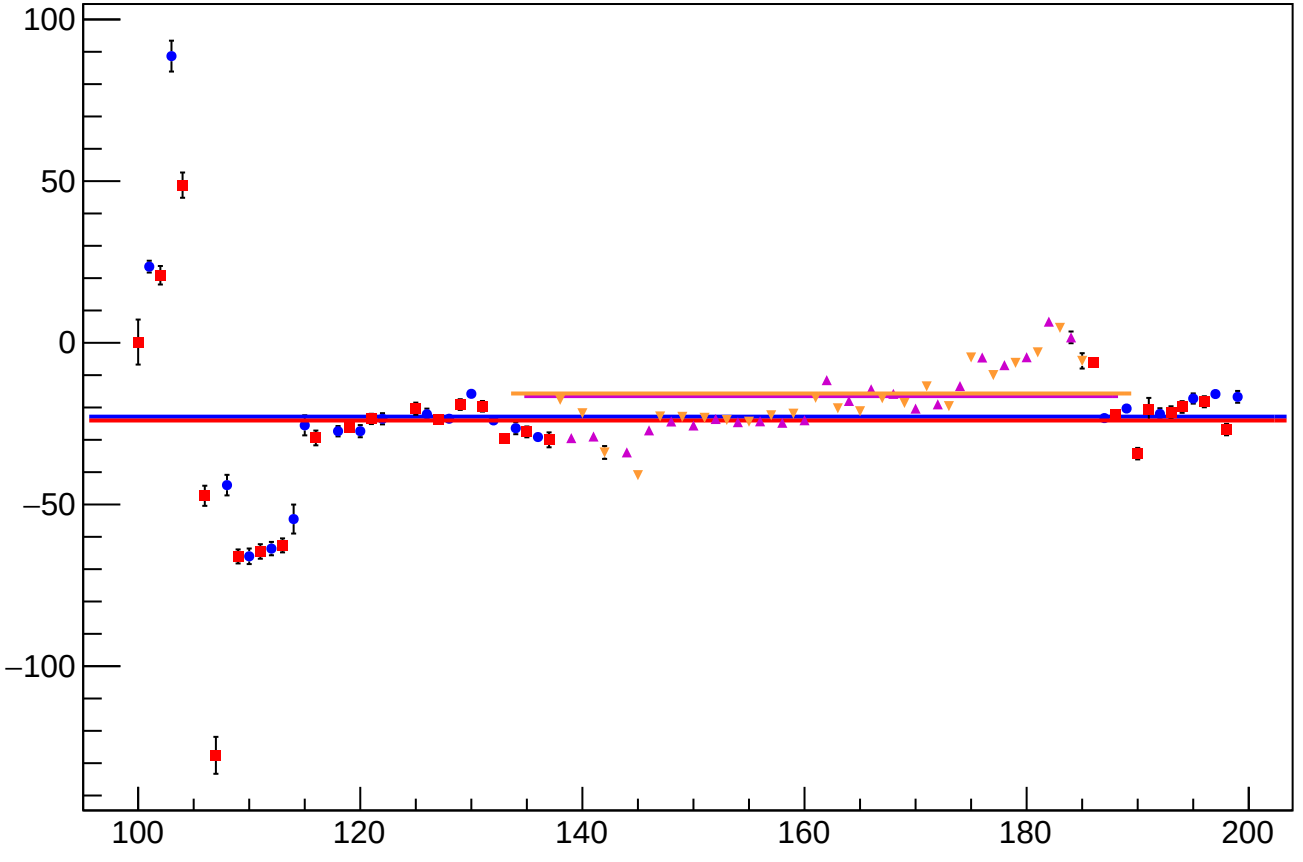
Right: -3.553+/-0.252 χ^2/NDF: 572.6/47

In: -2.111+/-0.179 χ^2/NDF:614.8/44

Out: -1.685+/-0.176 χ^2/NDF:570.5/49

All: -1.894+/-0.126 χ^2/NDF: 1188.2/94

reg_asym_usl_atl1_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -22.835+/-0.362 χ^2/NDF: 2117.5/21

Left Out: -15.674+/-0.263 χ^2/NDF:1520.8/23

Right Out: -24.023+/-0.329 χ^2/NDF: 2446.2/25

Left In: -16.480+/-0.266 χ^2/NDF:1697.7/22

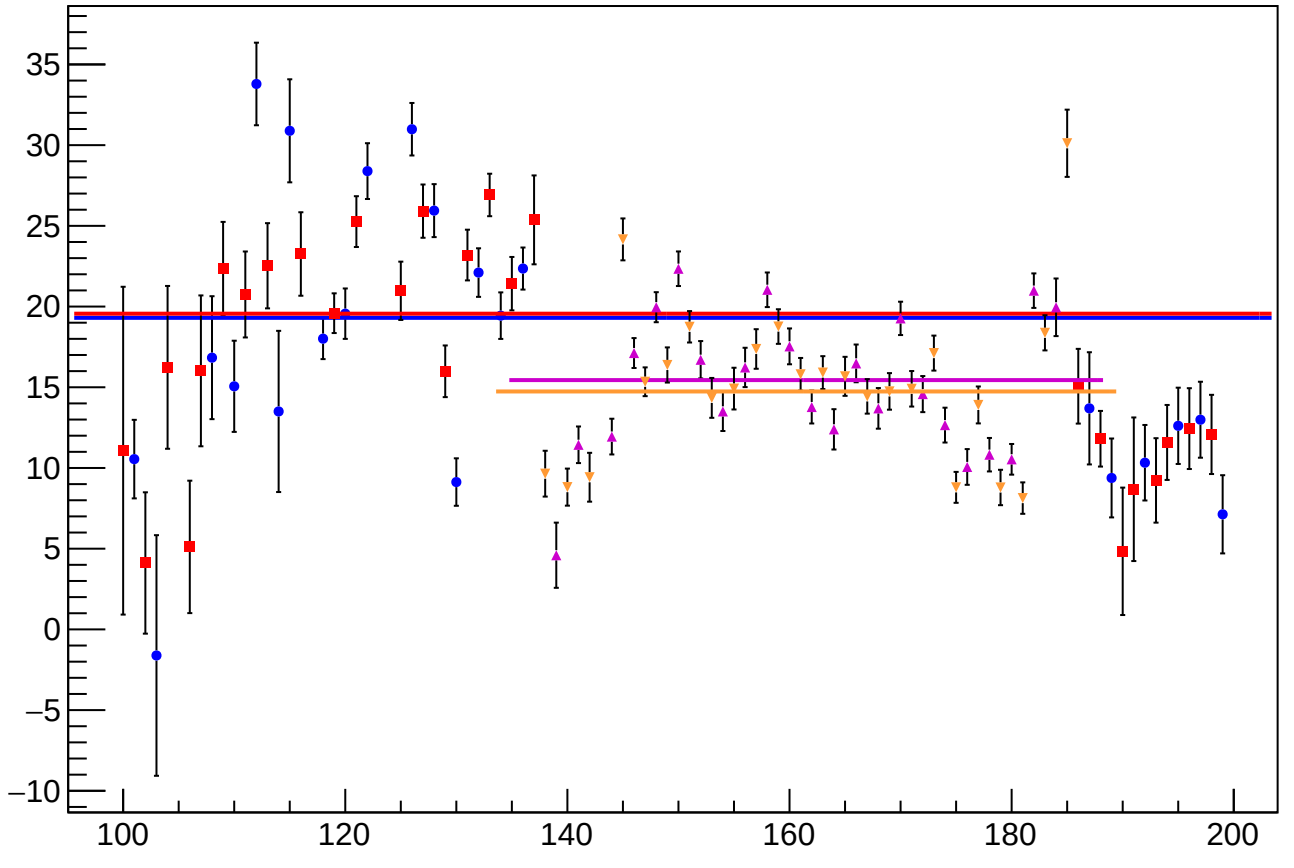
Left: -16.072+/-0.187 χ^2/NDF: 3223.1/46

Right: -23.486+/-0.244 χ^2/NDF: 4569.6/47

In: -18.705+/-0.214 χ^2/NDF:4015.1/44

Out: -18.932+/-0.205 χ^2/NDF:4360.0/49

All: -18.823+/-0.148 χ^2/NDF: 8375.8/94



Right In: 19.302+/-0.418 χ^2/NDF: 297.9/21

Left Out: 14.740+/-0.229 χ^2/NDF:331.0/23

Right Out: 19.559+/-0.420 χ^2/NDF: 195.5/25

Left In: 15.444+/-0.233 χ^2/NDF:290.4/22

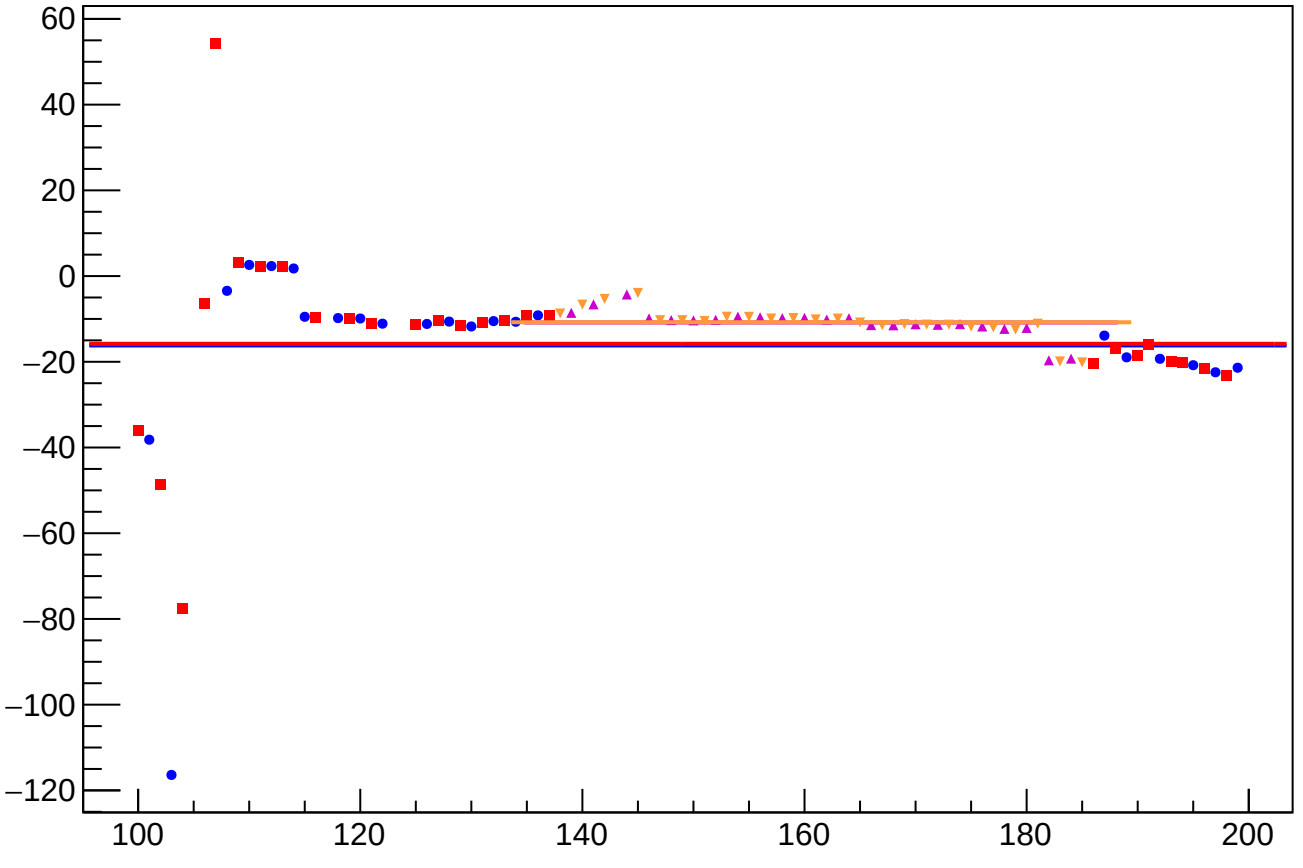
Left: 15.087+/-0.163 χ^2/NDF: 626.0/46

Right: 19.430+/-0.296 χ^2/NDF: 493.6/47

In: 16.360+/-0.204 χ^2/NDF:653.3/44

Out: 15.847+/-0.201 χ^2/NDF:627.8/49

All: 16.100+/-0.143 χ^2/NDF: 1284.3/94



Right In: -16.187+/-0.022 χ^2/NDF: 376016.8/21

Left Out: -10.778+/-0.010 χ^2/NDF:84755.9/23

Right Out: -15.804+/-0.022 χ^2/NDF: 356345.2/25

Left In: -10.834+/-0.010 χ^2/NDF:74113.9/22

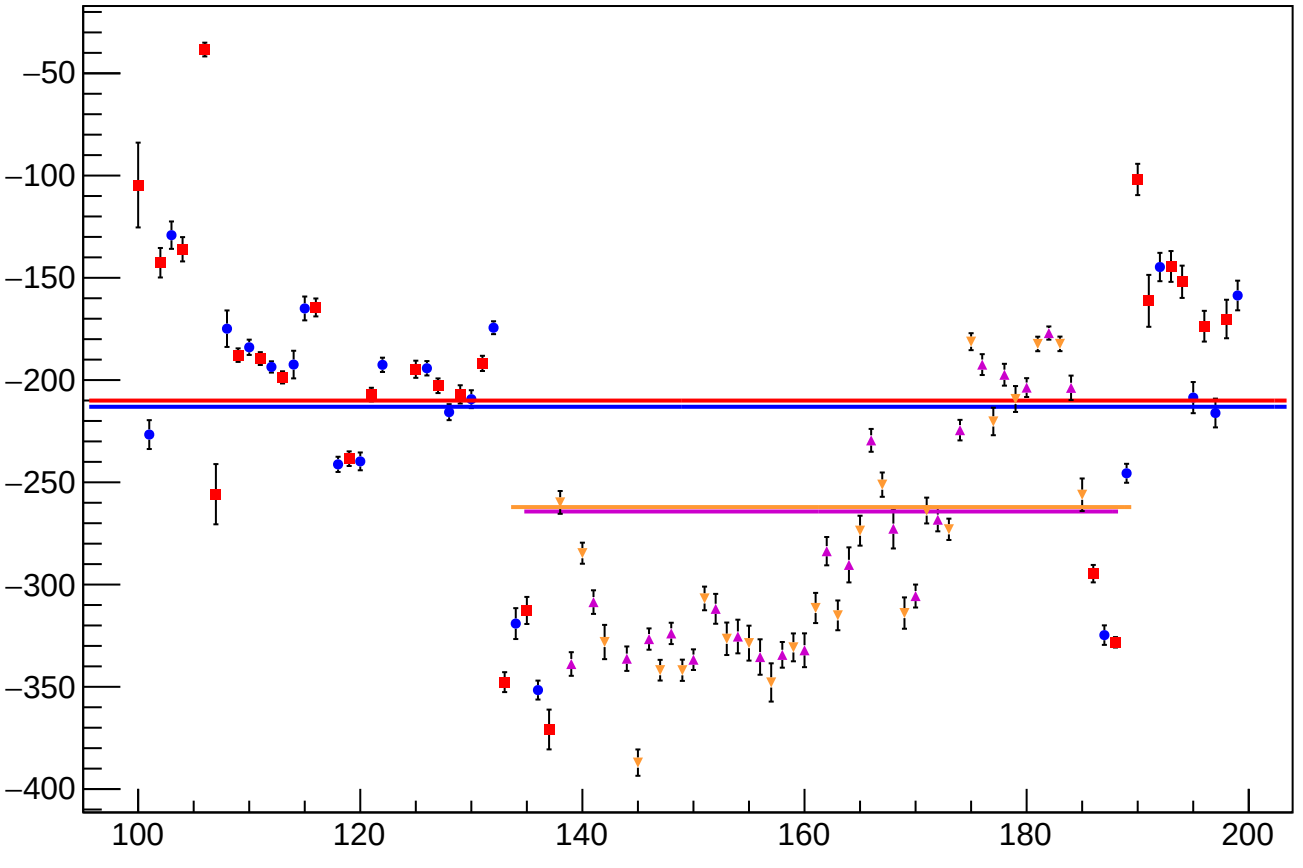
Left: -10.806+/-0.007 χ^2/NDF: 158884.9/46

Right: -15.998+/-0.015 χ^2/NDF: 732516.8/47

In: -11.822+/-0.009 χ^2/NDF:499862.4/44

Out: -11.686+/-0.009 χ^2/NDF:484250.0/49

All: -11.754+/-0.007 χ^2/NDF: 984219.2/94



Right In: -213.067+/-0.977 χ^2/NDF: 2519.0/21

Left Out: -262.110+/-1.179 χ^2/NDF:2964.6/23

Right Out: -210.024+/-0.878 χ^2/NDF: 7433.1/25

Left In: -264.272+/-1.186 χ^2/NDF:2741.9/22

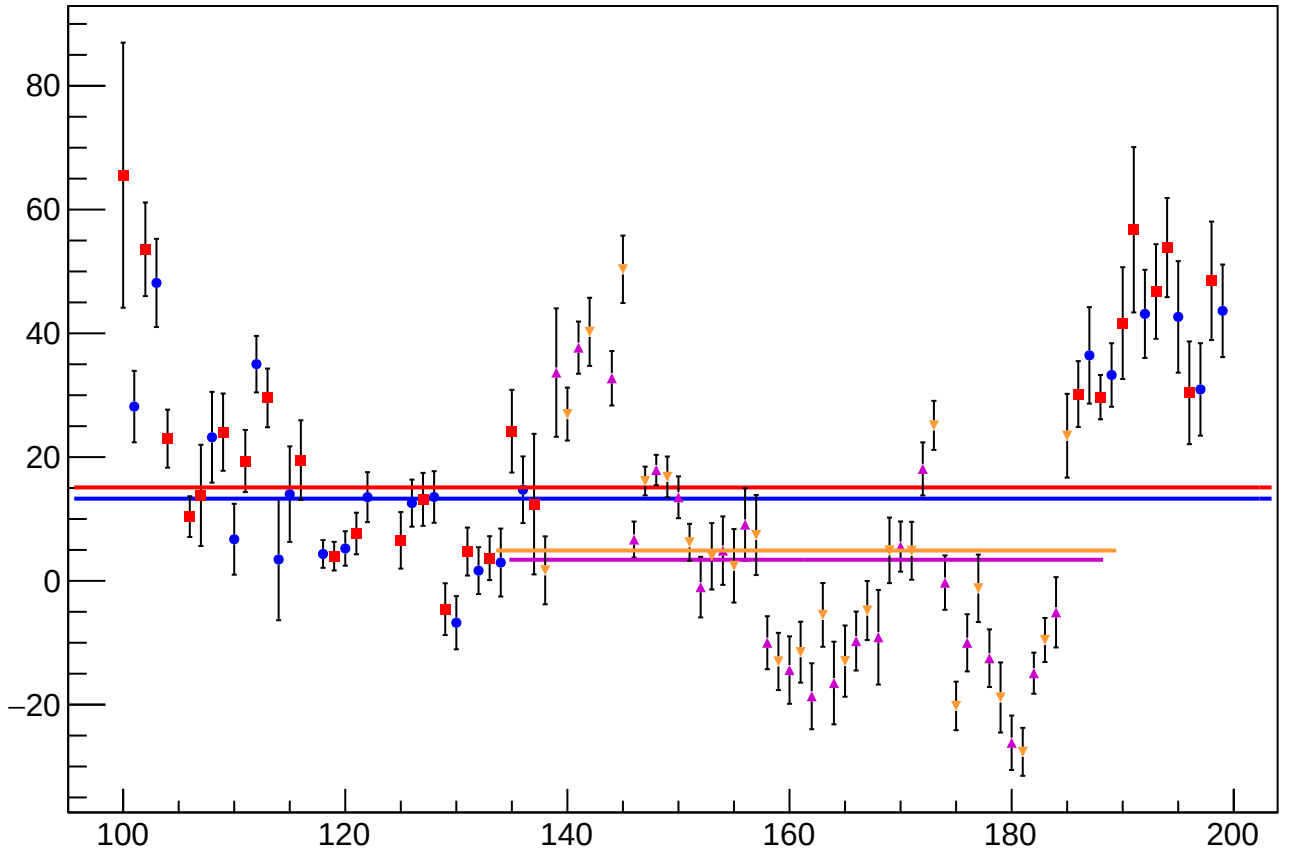
Left: -263.185+/-0.836 χ^2/NDF: 5708.1/46

Right: -211.384+/-0.653 χ^2/NDF: 9957.5/47

In: -233.784+/-0.754 χ^2/NDF:6371.5/44

Out: -228.604+/-0.704 χ^2/NDF:11652.4/49

All: -231.018+/-0.515 χ^2/NDF: 18049.1/94



Right In: 13.287+/-0.998 χ^2/NDF: 190.7/21

Left Out: 4.909+/-0.886 χ^2/NDF:398.9/23

Right Out: 15.100+/-0.950 χ^2/NDF: 221.2/25

Left In: 3.409+/-0.901 χ^2/NDF:333.3/22

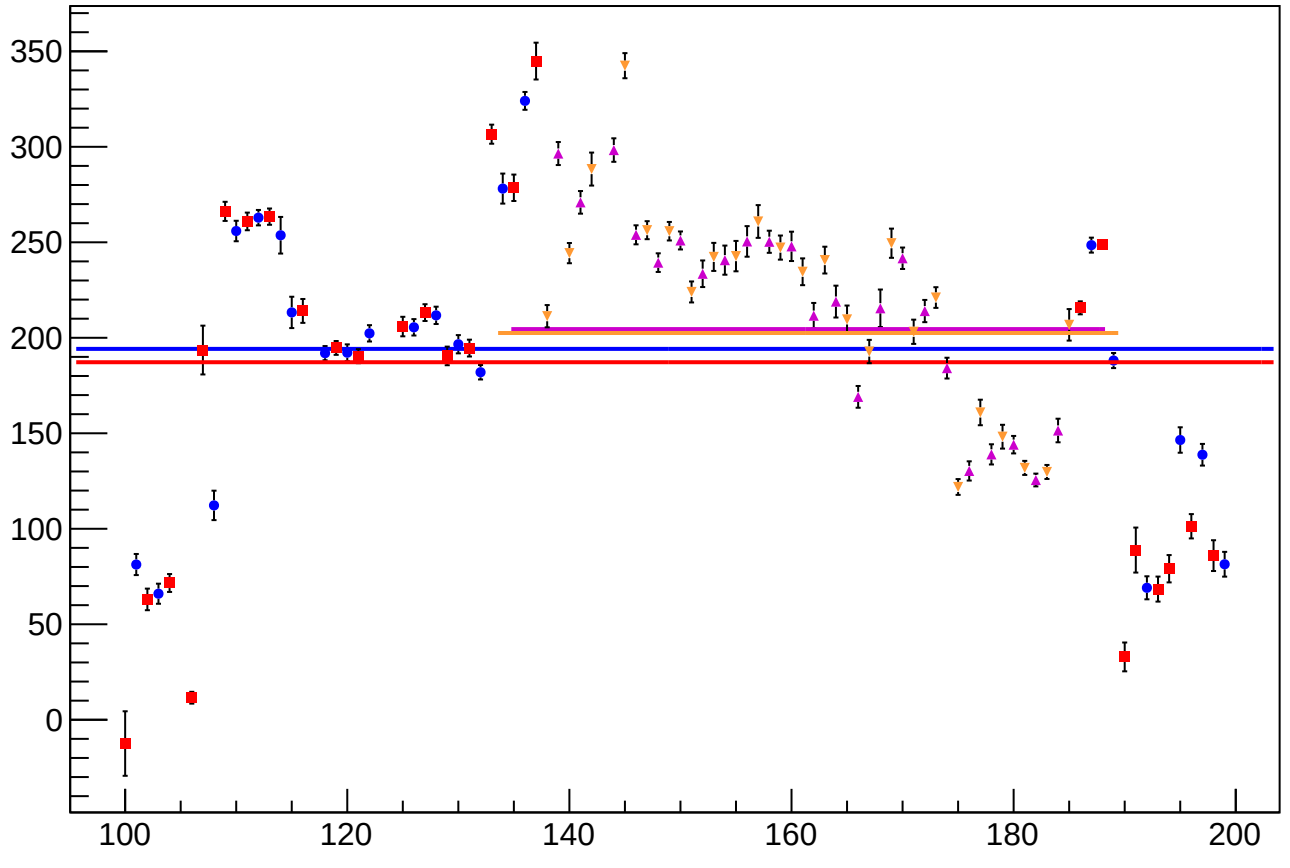
Left: 4.171+/-0.632 χ^2/NDF: 733.7/46

Right: 14.238+/-0.688 χ^2/NDF: 413.7/47

In: 7.841+/-0.669 χ^2/NDF:578.0/44

Out: 9.650+/-0.648 χ^2/NDF:681.7/49

All: 8.774+/-0.465 χ^2/NDF: 1263.4/94



Right In: 194.191+/-1.054 χ^2/NDF: 3588.2/21

Left Out: 202.511+/-1.173 χ^2/NDF:2393.5/23

Right Out: 187.205+/-0.915 χ^2/NDF: 8723.8/25

Left In: 204.560+/-1.177 χ^2/NDF:2285.7/22

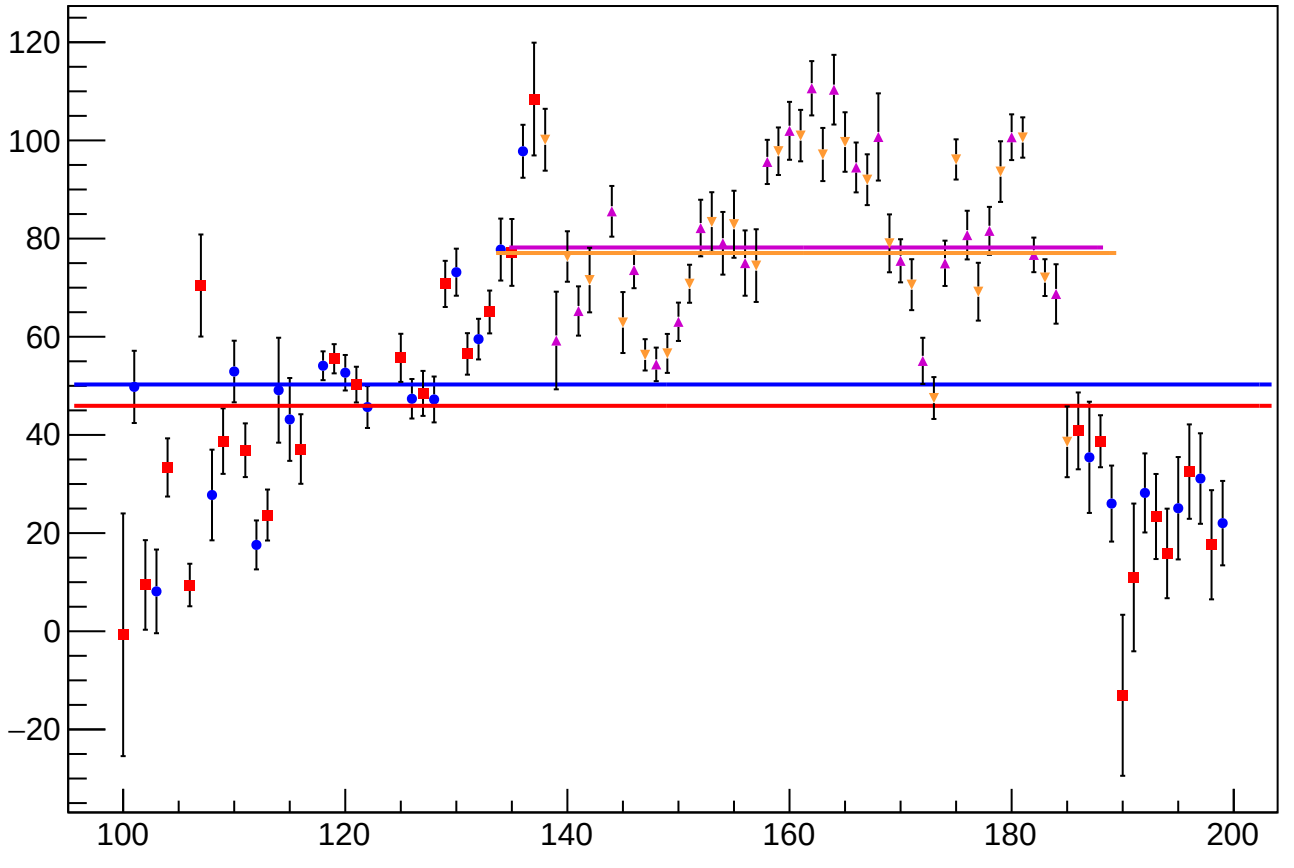
Left: 203.532+/-0.831 χ^2/NDF: 4680.7/46

Right: 190.207+/-0.691 χ^2/NDF: 12337.0/47

In: 198.807+/-0.785 χ^2/NDF:5916.9/44

Out: 192.998+/-0.721 χ^2/NDF:11223.2/49

All: 195.656+/-0.531 χ^2/NDF: 17169.7/94



Right In: 50.278+/-1.176 χ^2/NDF: 242.8/21

Left Out: 77.061+/-1.015 χ^2/NDF:311.3/23

Right Out: 45.931+/-1.130 χ^2/NDF: 291.2/25

Left In: 78.189+/-1.026 χ^2/NDF:232.5/22

Left: 77.619+/-0.721 χ^2/NDF: 544.4/46

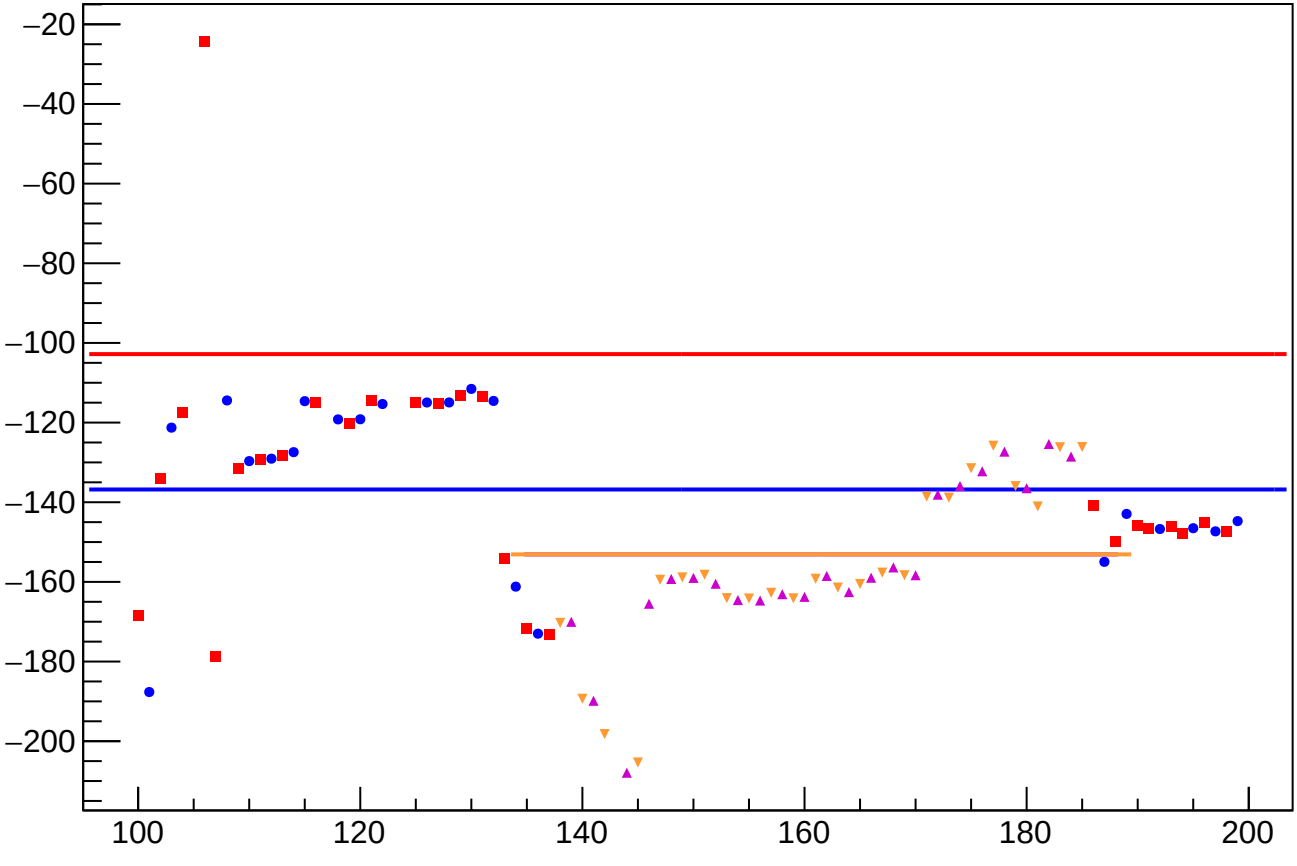
Right: 48.019+/-0.815 χ^2/NDF: 541.1/47

In: 66.131+/-0.773 χ^2/NDF:795.3/44

Out: 63.163+/-0.755 χ^2/NDF:1022.2/49

All: 64.613+/-0.540 χ^2/NDF: 1825.0/94

reg_asym_usl_atl2_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -136.797+/-0.068 χ^2/NDF: 101706.9/21

Left Out: -153.090+/-0.047 χ^2/NDF:177552.0/23

Right Out: -102.807+/-0.056 χ^2/NDF: 922576.9/25

Left In: -153.103+/-0.047 χ^2/NDF:166644.2/22

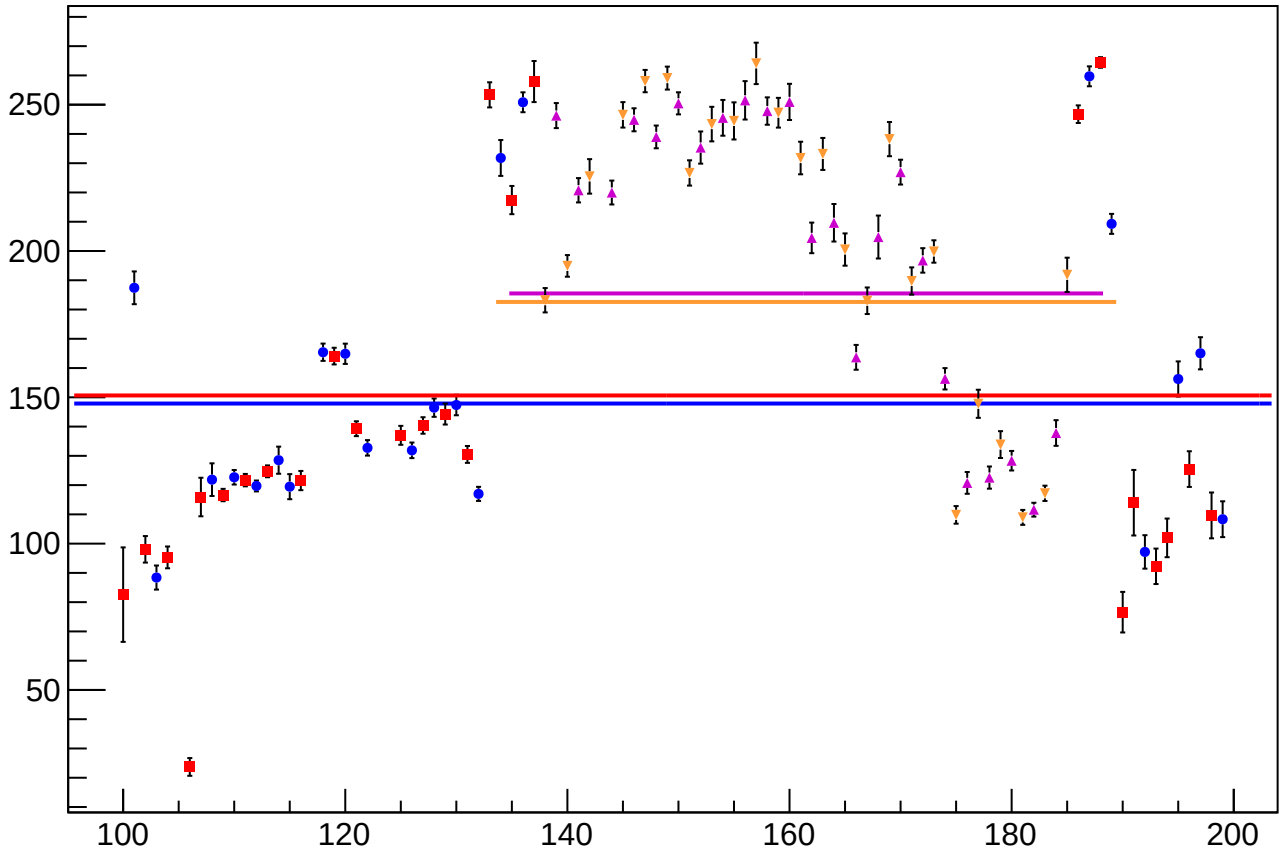
Left: -153.097+/-0.033 χ^2/NDF: 344196.2/46

Right: -116.517+/-0.043 χ^2/NDF: 1172765.5/47

In: -147.901+/-0.038 χ^2/NDF:307355.2/44

Out: -132.361+/-0.036 χ^2/NDF:1573630.7/49

All: -139.607+/-0.026 χ^2/NDF: 1968020.6/94



Right In: 147.873+/-0.723 χ^2/NDF: 3603.7/21

Left Out: 182.591+/-0.866 χ^2/NDF:4152.3/23

Right Out: 150.634+/-0.646 χ^2/NDF: 9256.2/25

Left In: 185.497+/-0.872 χ^2/NDF:3822.2/22

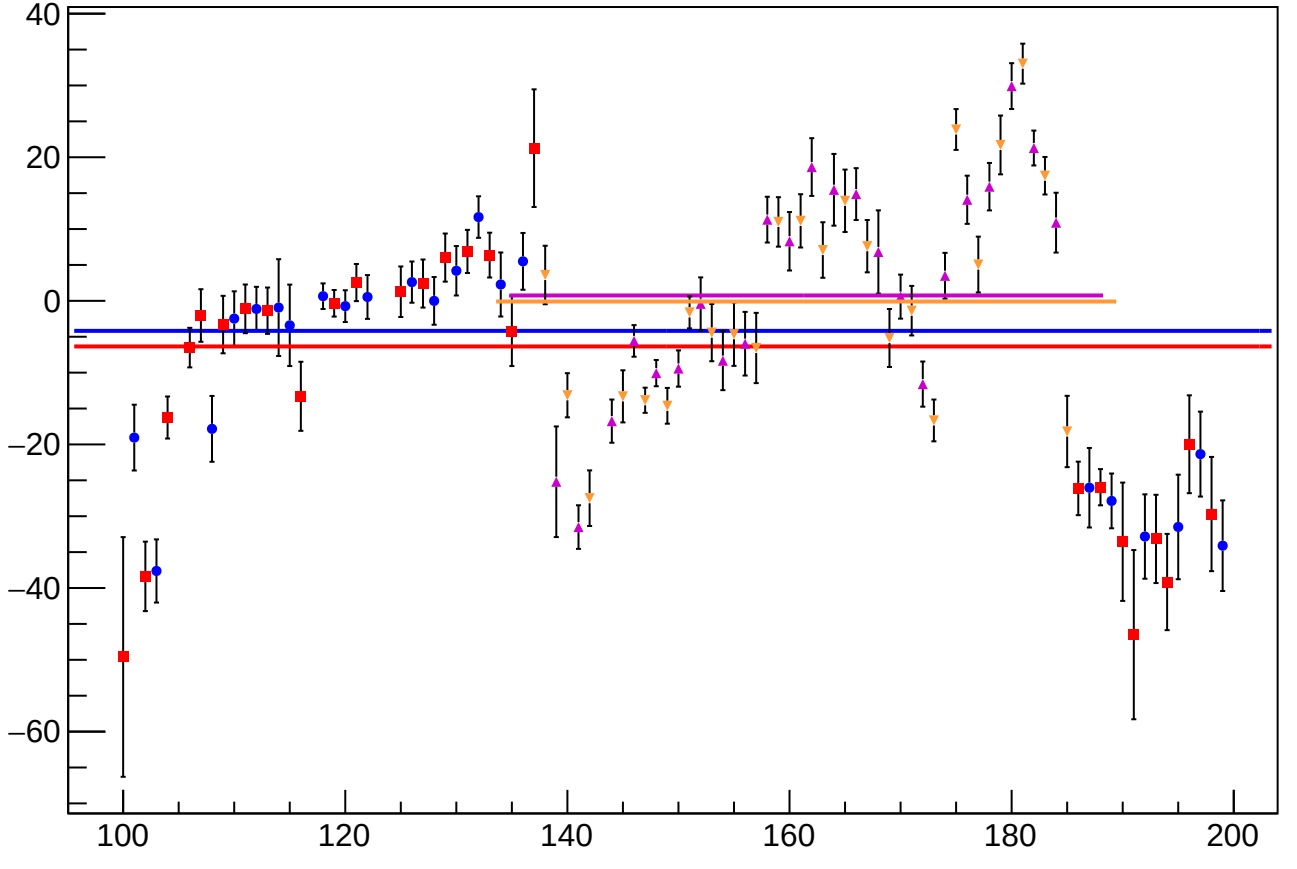
Left: 184.033+/-0.615 χ^2/NDF: 7980.1/46

Right: 149.407+/-0.482 χ^2/NDF: 12868.0/47

In: 163.185+/-0.557 χ^2/NDF:8528.9/44

Out: 162.071+/-0.518 χ^2/NDF:14283.1/49

All: 162.588+/-0.379 χ^2/NDF: 22814.1/94



Right In: -4.181+/-0.760 χ^2/NDF: 264.8/21

Left Out: -0.092+/-0.655 χ^2/NDF:555.3/23

Right Out: -6.353+/-0.713 χ^2/NDF: 332.7/25

Left In: 0.747+/-0.665 χ^2/NDF:497.8/22

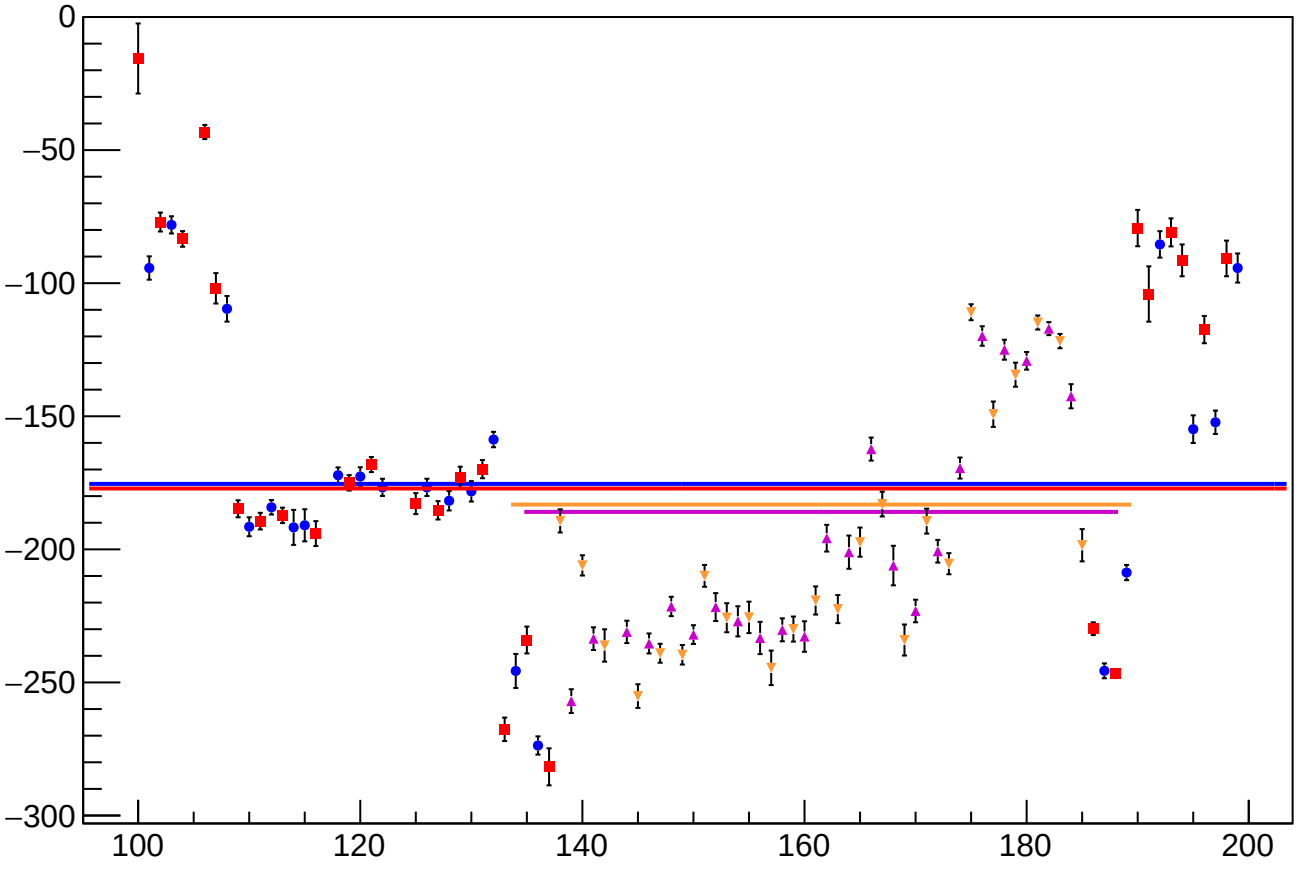
Left: 0.320+/-0.467 χ^2/NDF: 1053.9/46

Right: -5.335+/-0.520 χ^2/NDF: 601.8/47

In: -1.393+/-0.500 χ^2/NDF:786.4/44

Out: -2.955+/-0.482 χ^2/NDF:929.8/49

All: -2.203+/-0.347 χ^2/NDF: 1721.3/94



Right In: -175.402+/-0.784 χ^2/NDF: 3817.3/21

Left Out: -183.175+/-0.862 χ^2/NDF:3361.2/23

Right Out: -177.136+/-0.675 χ^2/NDF: 9360.1/25

Left In: -185.936+/-0.867 χ^2/NDF:3181.6/22

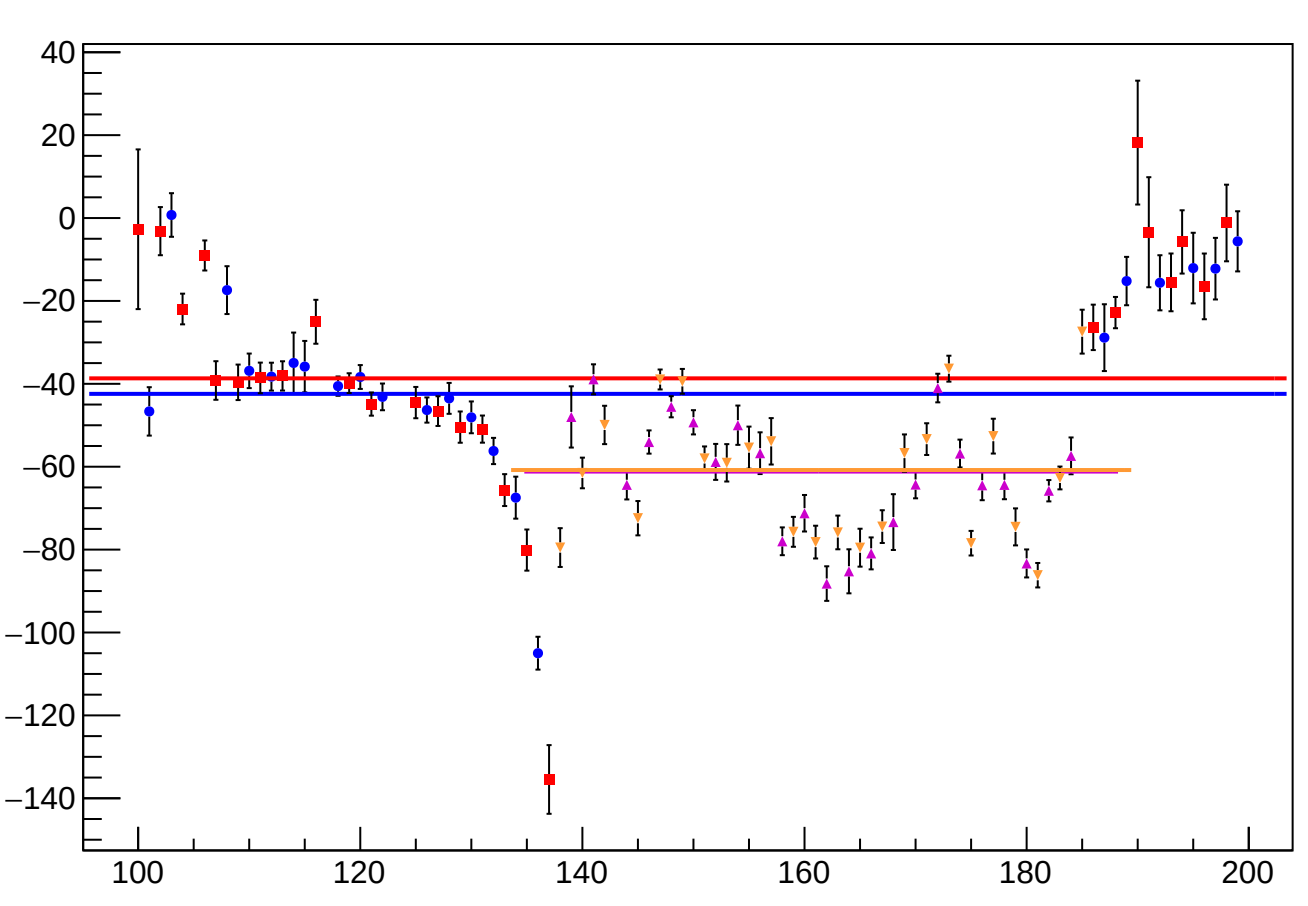
Left: -184.548+/-0.611 χ^2/NDF: 6547.8/46

Right: -176.397+/-0.511 χ^2/NDF: 13180.2/47

In: -180.137+/-0.581 χ^2/NDF:7080.1/44

Out: -179.431+/-0.532 χ^2/NDF:12751.6/49

All: -179.753+/-0.392 χ^2/NDF: 19832.6/94



Right In: -42.422+/-0.892 χ^2/NDF: 487.3/21

Left Out: -60.801+/-0.749 χ^2/NDF:474.0/23

Right Out: -38.681+/-0.849 χ^2/NDF: 524.4/25

Left In: -61.172+/-0.757 χ^2/NDF:316.9/22

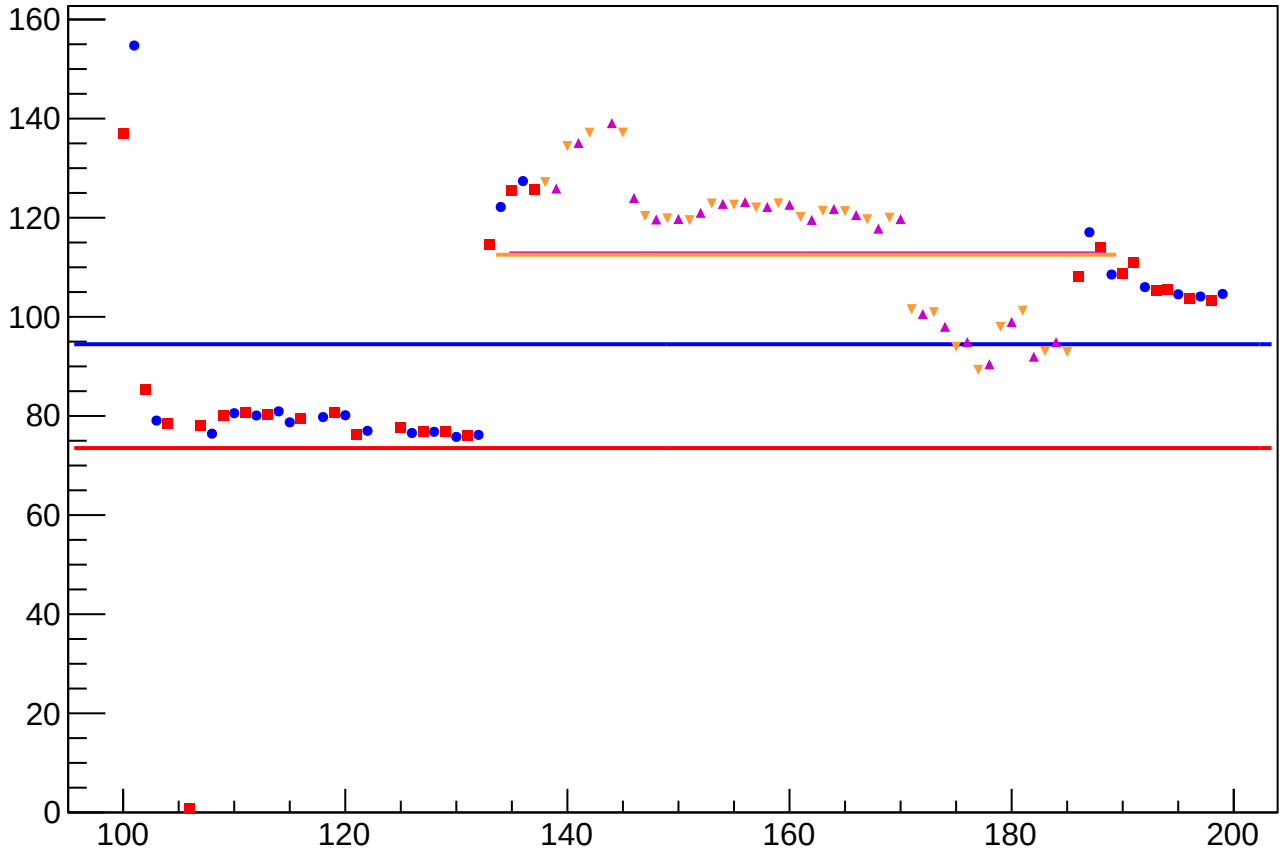
Left: -60.984+/-0.532 χ^2/NDF: 791.1/46

Right: -40.458+/-0.615 χ^2/NDF: 1020.9/47

In: -53.328+/-0.577 χ^2/NDF:1061.0/44

Out: -51.117+/-0.562 χ^2/NDF:1380.3/49

All: -52.192+/-0.402 χ^2/NDF: 2448.8/94



Right In: 94.476+/-0.051 χ^2/NDF: 178827.0/21

Left Out: 112.539+/-0.035 χ^2/NDF:174512.4/23

Right Out: 73.522+/-0.044 χ^2/NDF: 831937.6/25

Left In: 112.795+/-0.034 χ^2/NDF:171662.8/22

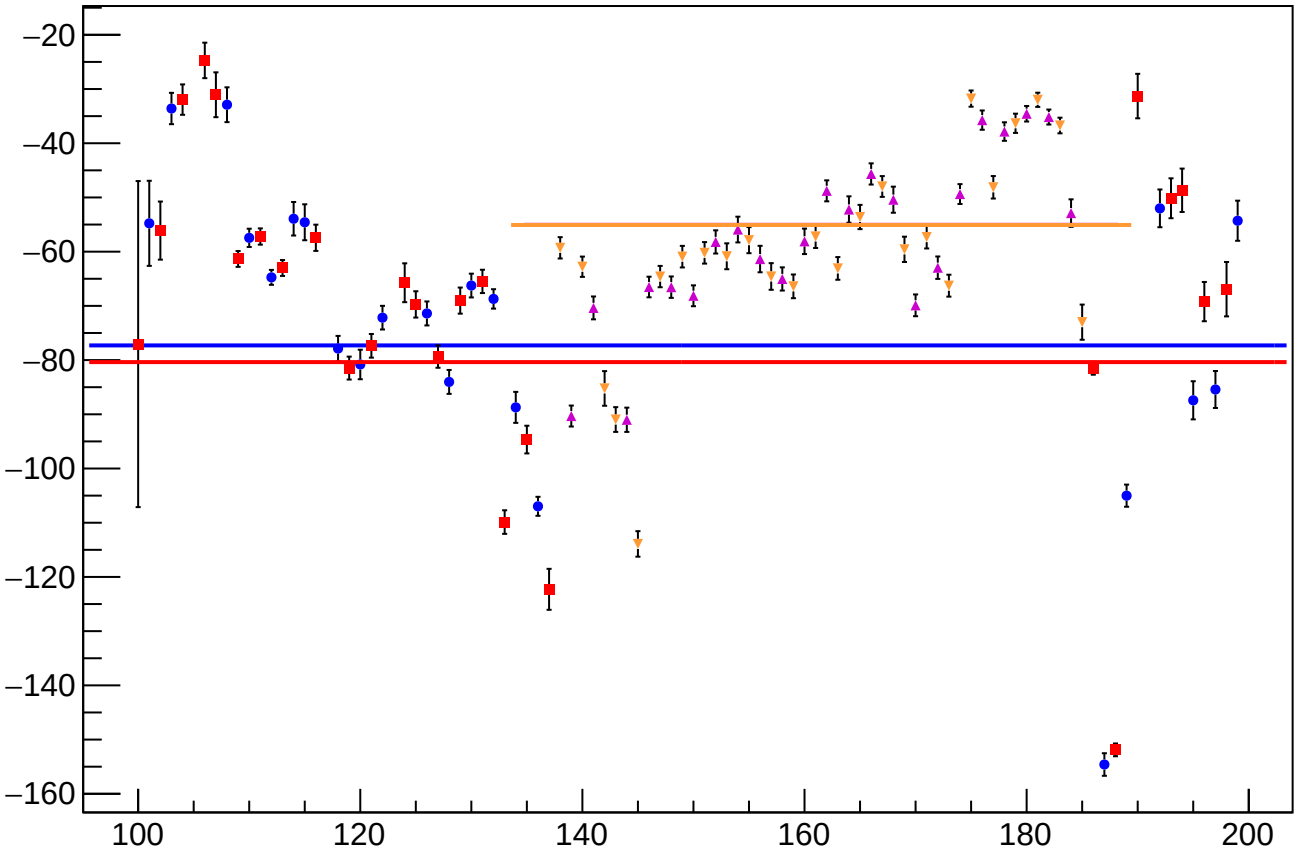
Left: 112.667+/-0.024 χ^2/NDF: 346202.6/46

Right: 82.400+/-0.033 χ^2/NDF: 1108625.4/47

In: 107.036+/-0.029 χ^2/NDF:439474.8/44

Out: 97.471+/-0.027 χ^2/NDF:1498029.8/49

All: 102.010+/-0.020 χ^2/NDF: 1996646.3/94



Right In: -77.292+/-0.500 χ^2/NDF: 2797.4/21

Left Out: -55.077+/-0.401 χ^2/NDF:2002.8/24

Right Out: -80.370+/-0.432 χ^2/NDF: 5801.6/25

Left In: -55.050+/-0.410 χ^2/NDF:1541.8/22

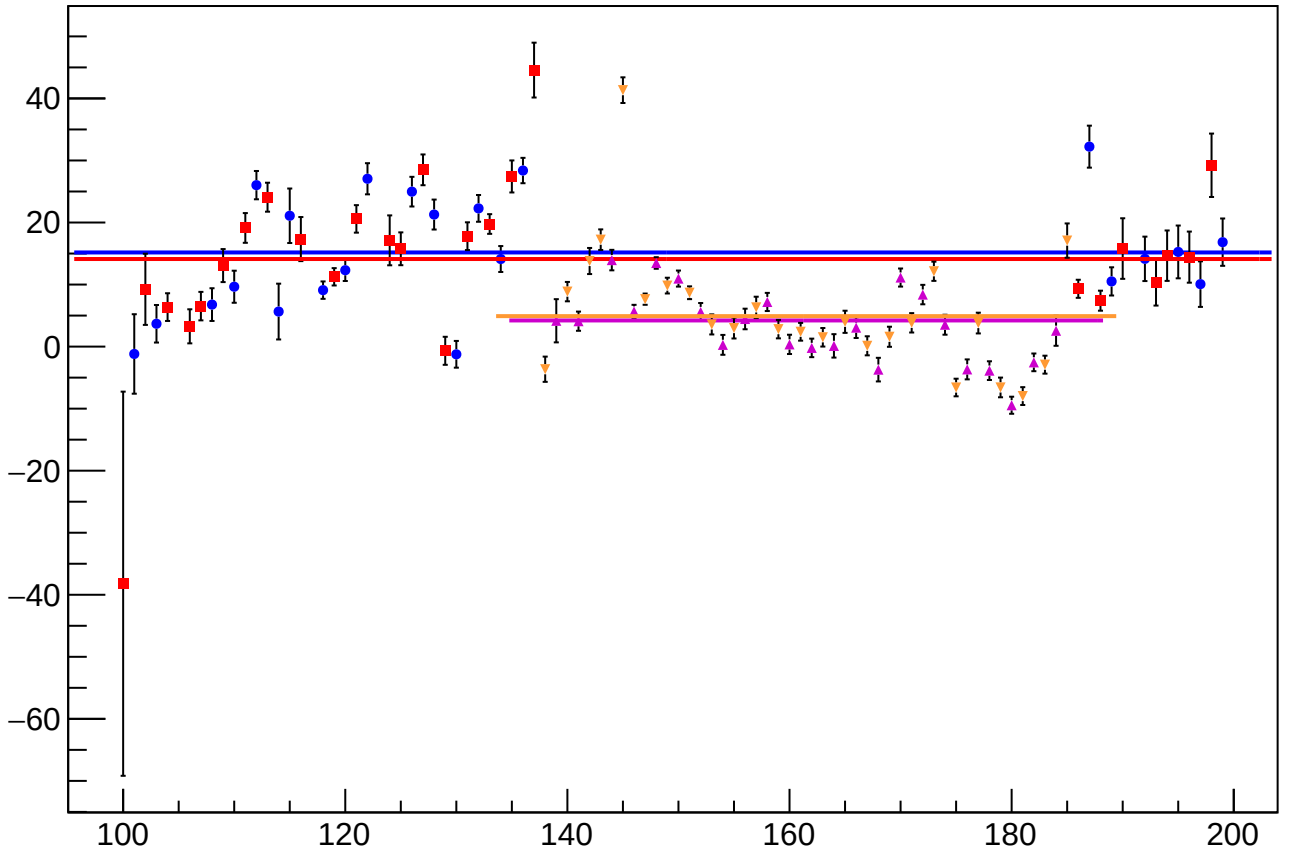
Left: -55.064+/-0.287 χ^2/NDF: 3544.6/47

Right: -79.052+/-0.327 χ^2/NDF: 8620.7/47

In: -64.015+/-0.317 χ^2/NDF:5522.7/44

Out: -66.757+/-0.294 χ^2/NDF:9645.9/50

All: -65.490+/-0.216 χ^2/NDF: 15208.8/95



Right In: 15.175+/-0.533 χ^2/NDF: 274.3/21

Left Out: 4.910+/-0.301 χ^2/NDF:741.5/24

Right Out: 14.117+/-0.480 χ^2/NDF: 283.4/25

Left In: 4.215+/-0.312 χ^2/NDF:415.1/22

Left: 4.575+/-0.217 χ^2/NDF: 1159.1/47

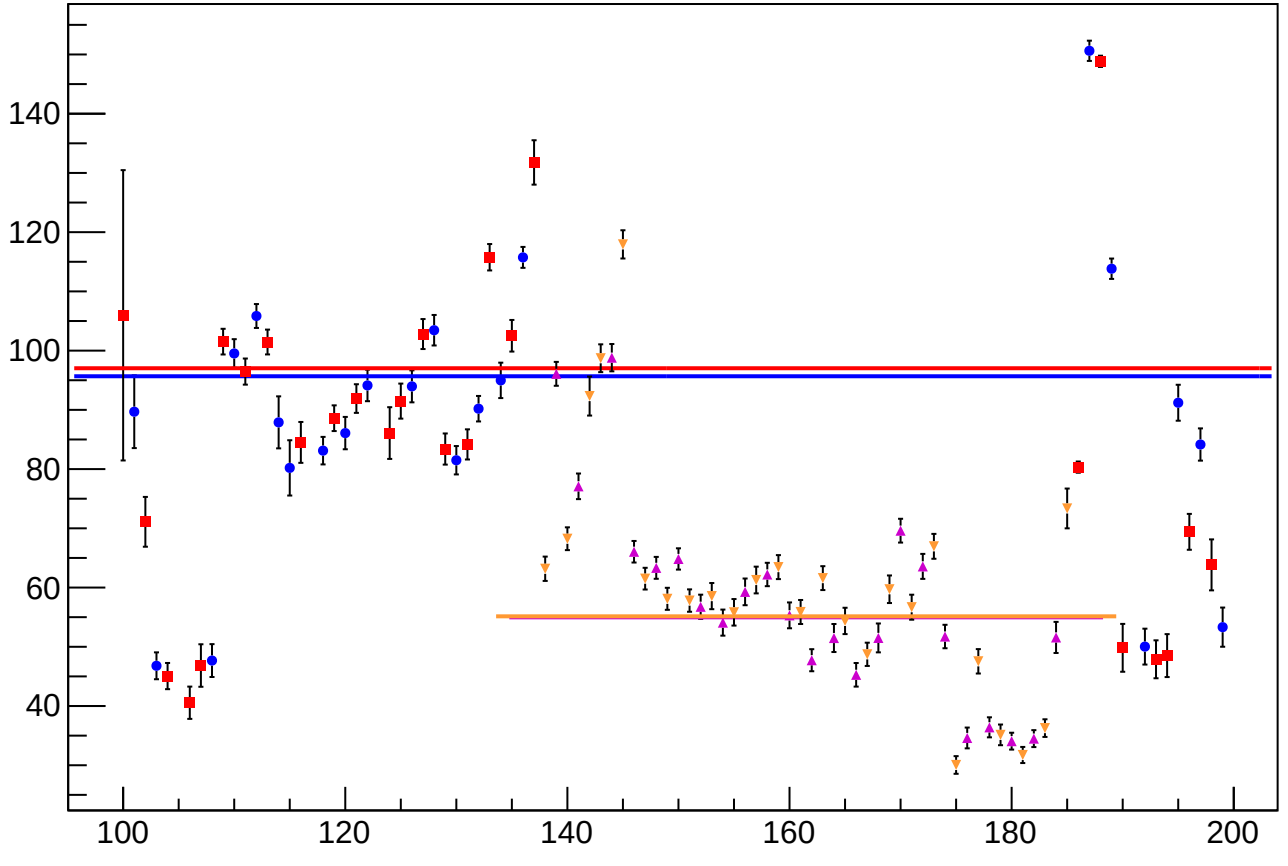
Right: 14.591+/-0.357 χ^2/NDF: 559.9/47

In: 7.017+/-0.269 χ^2/NDF:1004.1/44

Out: 7.512+/-0.255 χ^2/NDF:1288.6/50

All: 7.278+/-0.185 χ^2/NDF: 2294.5/95

reg_asym_usr_atr1_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 95.673+/-0.530 χ^2/NDF: 2584.1/21

Left Out: 55.142+/-0.397 χ^2/NDF:2242.4/24

Right Out: 97.026+/-0.436 χ^2/NDF: 5473.3/25

Left In: 54.972+/-0.406 χ^2/NDF:1780.5/22

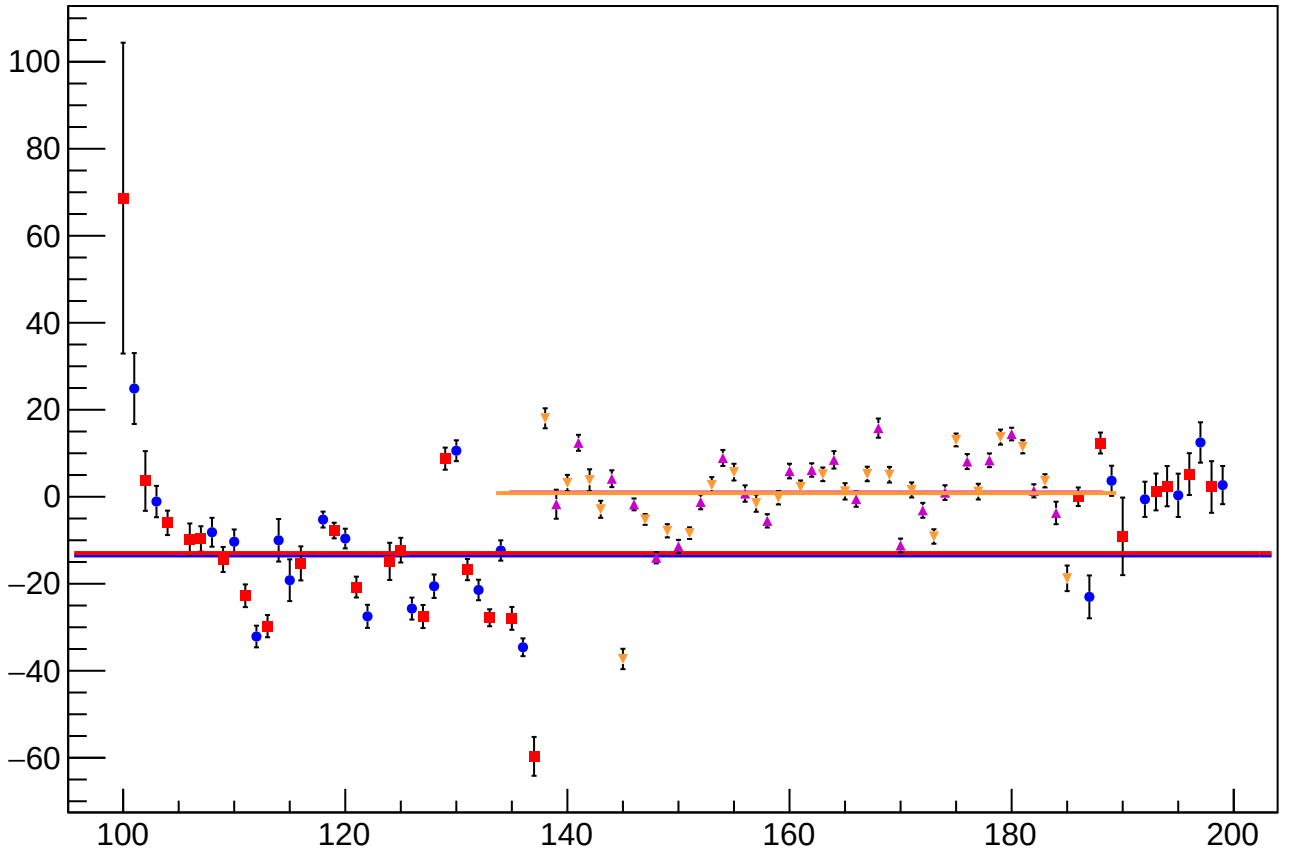
Left: 55.059+/-0.284 χ^2/NDF: 4023.0/47

Right: 96.480+/-0.337 χ^2/NDF: 8061.3/47

In: 70.006+/-0.322 χ^2/NDF:8084.3/44

Out: 74.104+/-0.294 χ^2/NDF:12757.2/50

All: 72.244+/-0.217 χ^2/NDF: 20929.9/95



Right In: -13.491+/-0.622 χ^2/NDF: 486.4/21

Left Out: 0.840+/-0.343 χ^2/NDF:717.2/24

Right Out: -12.940+/-0.578 χ^2/NDF: 592.2/25

Left In: 0.980+/-0.353 χ^2/NDF:558.5/22

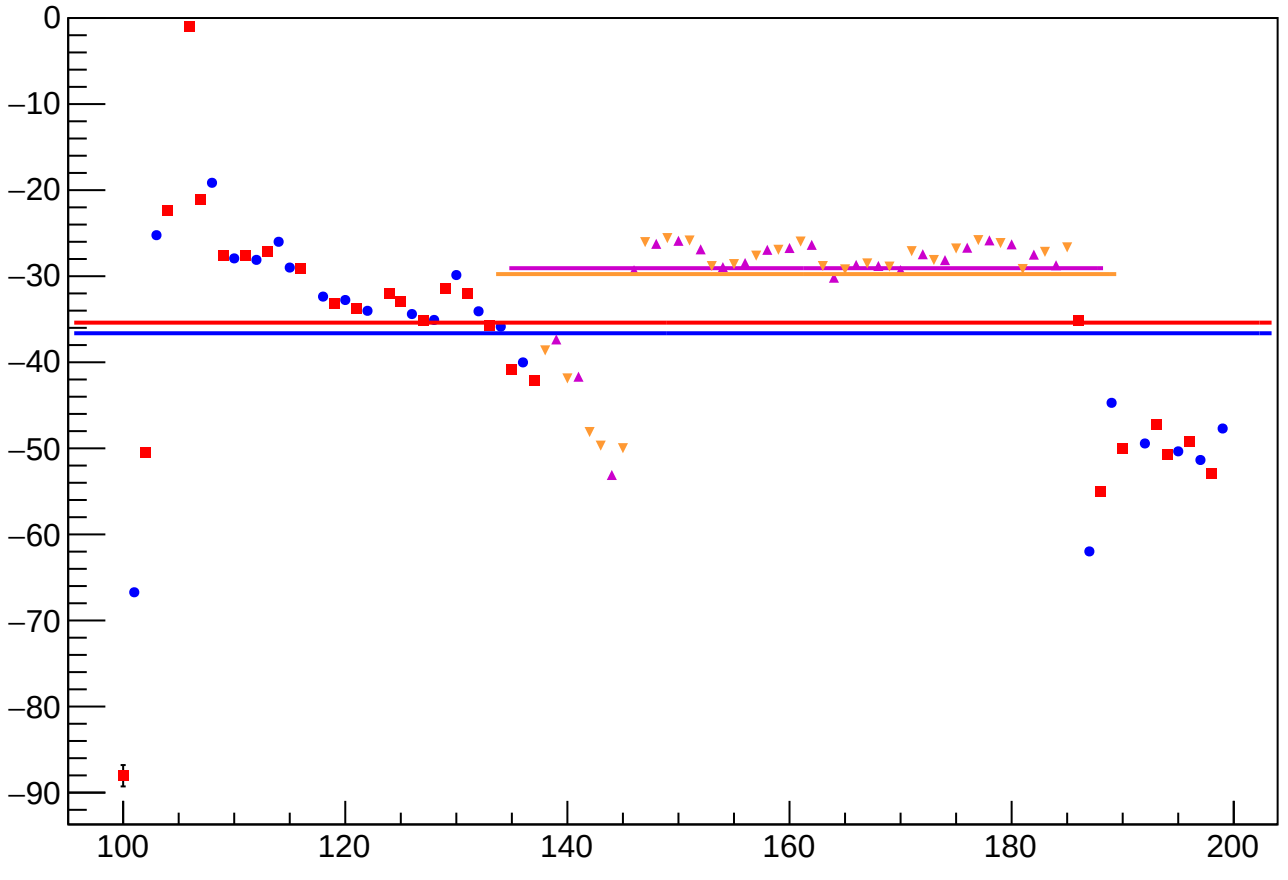
Left: 0.908+/-0.246 χ^2/NDF: 1275.8/47

Right: -13.195+/-0.424 χ^2/NDF: 1079.0/47

In: -2.548+/-0.307 χ^2/NDF:1453.8/44

Out: -2.746+/-0.295 χ^2/NDF:1729.6/50

All: -2.651+/-0.213 χ^2/NDF: 3183.7/95



Right In: -36.628+/-0.033 χ^2/NDF: 101222.3/21

Left Out: -29.754+/-0.016 χ^2/NDF:163552.5/24

Right Out: -35.395+/-0.032 χ^2/NDF: 188214.2/25

Left In: -29.067+/-0.016 χ^2/NDF:101545.6/22

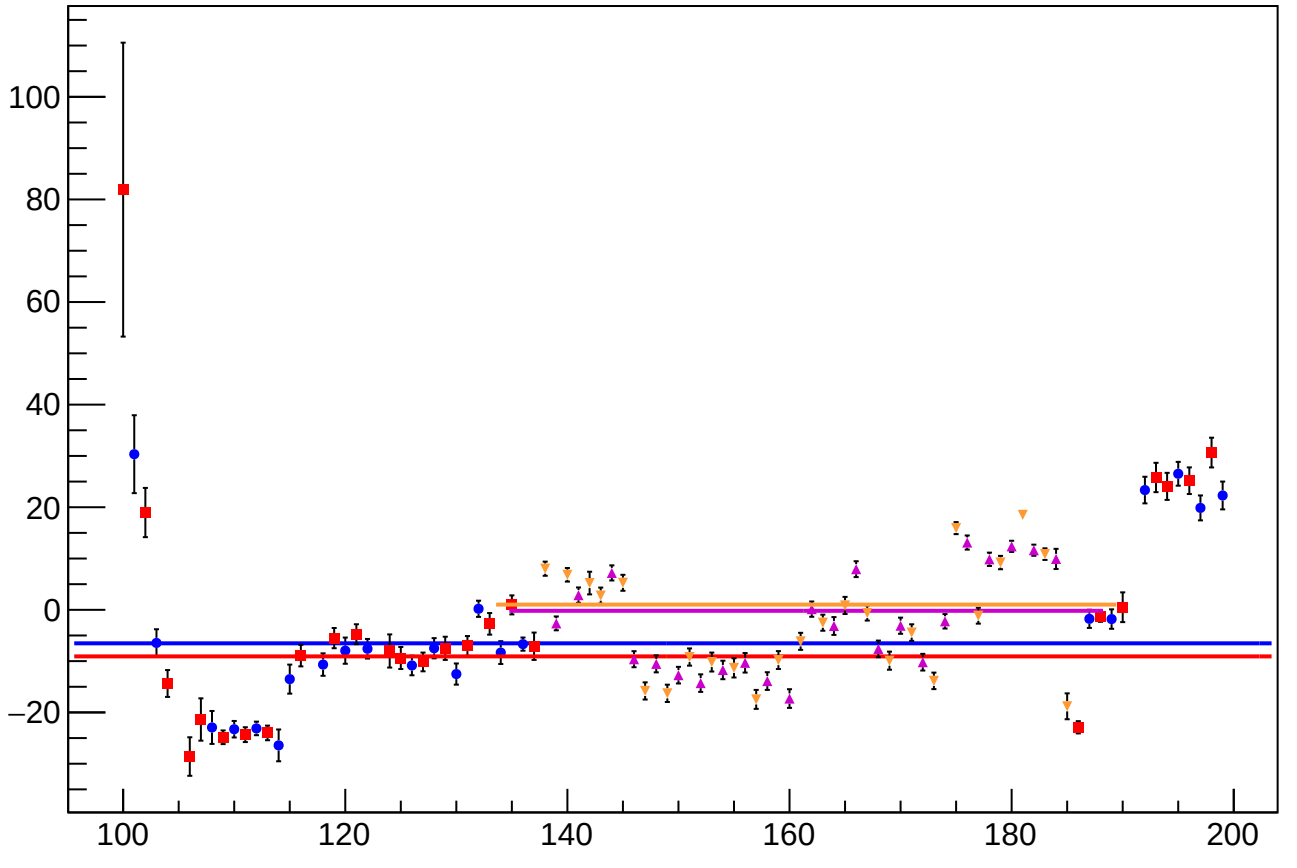
Left: -29.416+/-0.011 χ^2/NDF: 266057.0/47

Right: -35.994+/-0.023 χ^2/NDF: 290165.7/47

In: -30.496+/-0.014 χ^2/NDF:246076.3/44

Out: -30.843+/-0.014 χ^2/NDF:377092.1/50

All: -30.672+/-0.010 χ^2/NDF: 623470.1/95



Right In: -6.530+/-0.435 χ^2/NDF: 978.9/21

Left Out: 1.015+/-0.305 χ^2/NDF:1335.1/24

Right Out: -9.078+/-0.387 χ^2/NDF: 1365.8/25

Left In: -0.192+/-0.315 χ^2/NDF:982.8/22

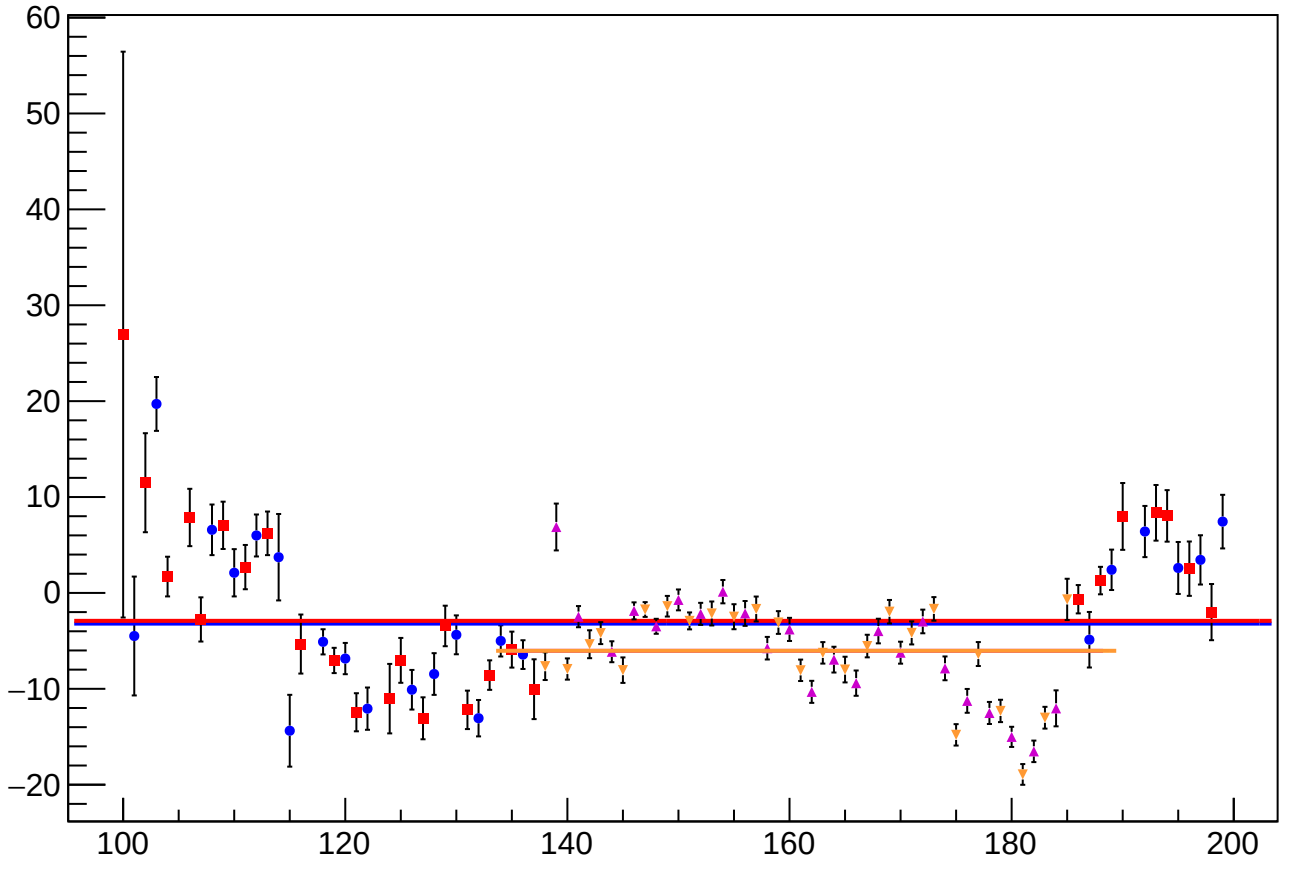
Left: 0.431+/-0.219 χ^2/NDF: 2325.4/47

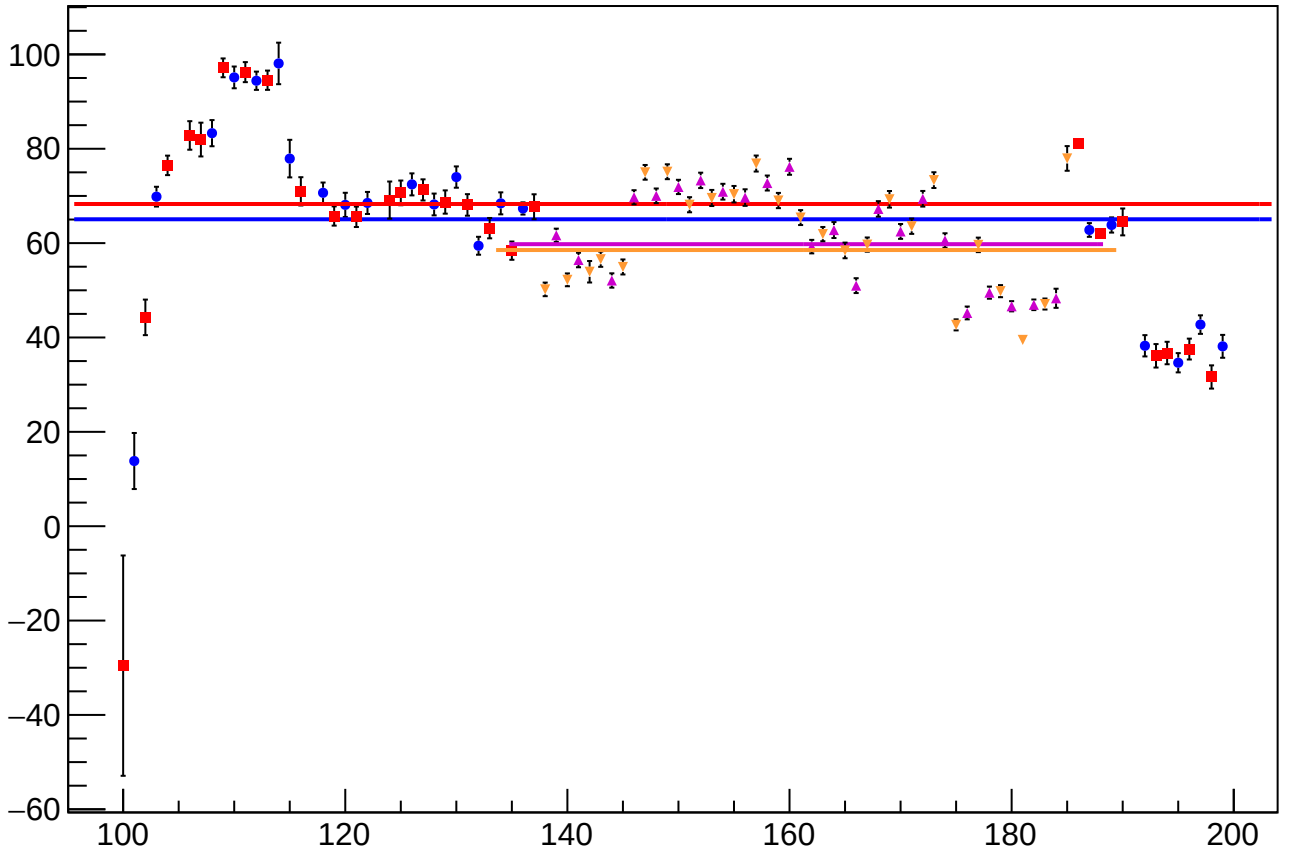
Right: -7.950+/-0.289 χ^2/NDF: 2363.8/47

In: -2.369+/-0.255 χ^2/NDF:2101.1/44

Out: -2.842+/-0.240 χ^2/NDF:3120.0/50

All: -2.620+/-0.175 χ^2/NDF: 5222.9/95


reg_asym_usr_atr1_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
60
50
40
30
20
10
0
−10
−20
100
120
140
160
180
200
Right In: -3.198+/-0.464 χ²/NDF: 233.4/21
Left Out: -6.035+/-0.233 χ²/NDF:414.9/24
Right Out: -2.912+/-0.433 χ²/NDF: 227.2/25
Left In: -6.043+/-0.243 χ²/NDF:396.2/22
Left: -6.039+/-0.168 χ²/NDF: 811.1/47
Right: -3.045+/-0.317 χ²/NDF: 460.9/47
In: -5.432+/-0.215 χ²/NDF:659.1/44
Out: -5.333+/-0.205 χ²/NDF:682.4/50
All: -5.380+/-0.149 χ²/NDF: 1341.7/95



Right In: 65.053+/-0.454 χ^2/NDF: 1259.7/21

Left Out: 58.535+/-0.303 χ^2/NDF:1449.2/24

Right Out: 68.291+/-0.390 χ^2/NDF: 1692.0/25

Left In: 59.777+/-0.312 χ^2/NDF:1070.5/22

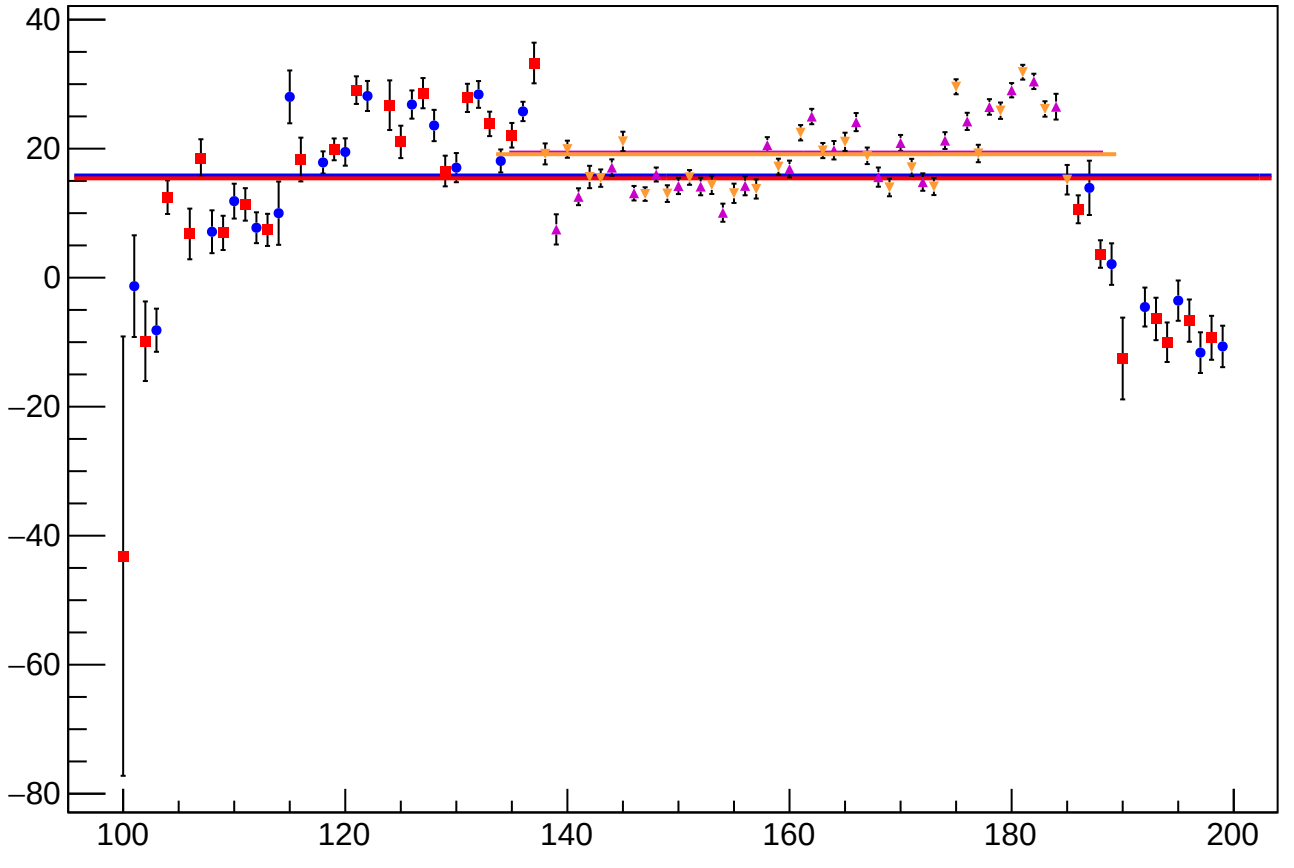
Left: 59.139+/-0.217 χ^2/NDF: 2527.9/47

Right: 66.917+/-0.296 χ^2/NDF: 2981.0/47

In: 61.466+/-0.257 χ^2/NDF:2422.0/44

Out: 62.208+/-0.239 χ^2/NDF:3531.7/50

All: 61.864+/-0.175 χ^2/NDF: 5958.2/95



Right In: 15.836+/-0.536 χ^2/NDF: 483.6/21

Left Out: 19.138+/-0.264 χ^2/NDF:433.7/24

Right Out: 15.398+/-0.516 χ^2/NDF: 506.1/25

Left In: 19.390+/-0.274 χ^2/NDF:467.7/22

Left: 19.260+/-0.190 χ^2/NDF: 901.9/47

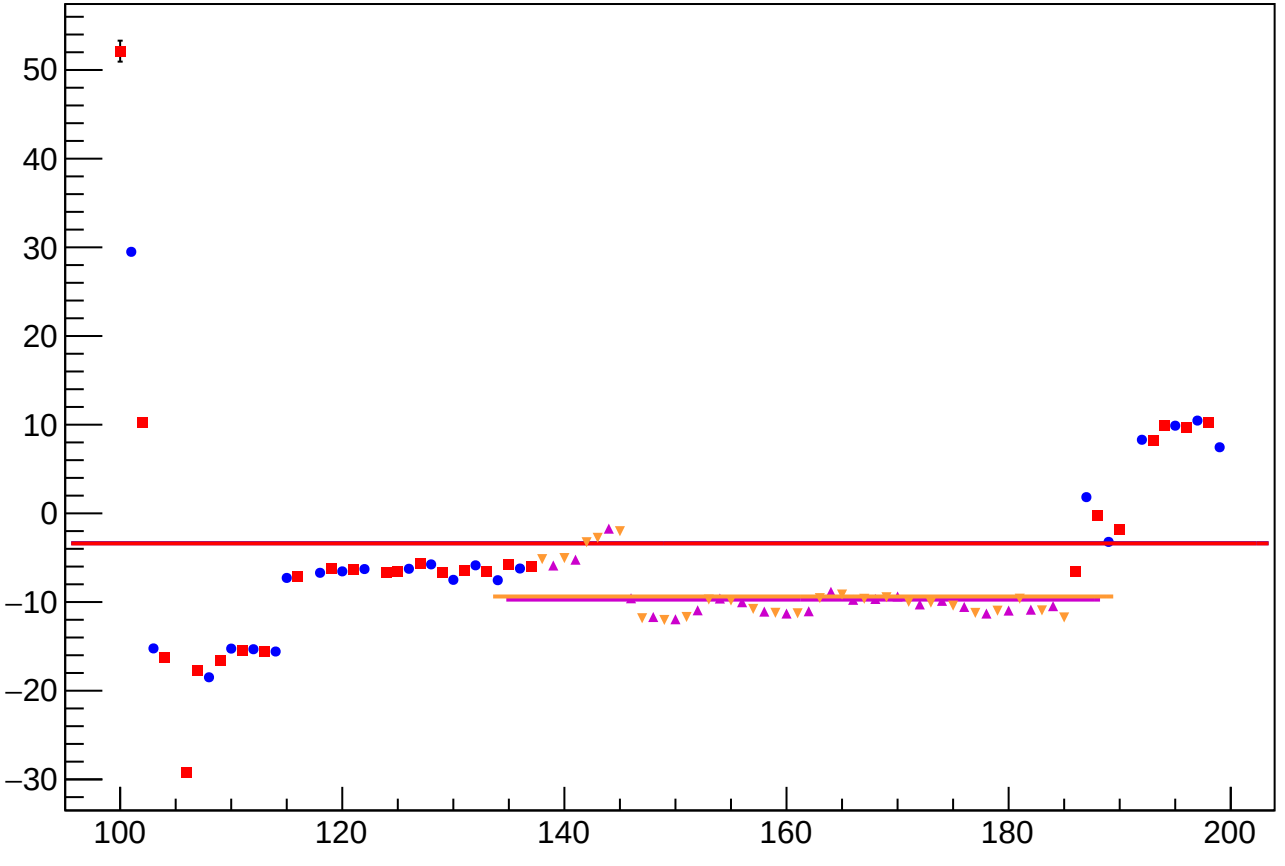
Right: 15.608+/-0.372 χ^2/NDF: 990.1/47

In: 18.655+/-0.244 χ^2/NDF:986.2/44

Out: 18.363+/-0.235 χ^2/NDF:981.4/50

All: 18.504+/-0.169 χ^2/NDF: 1968.4/95

reg_asym_usr_atr1_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -3.367+/-0.026 χ^2/NDF: 129970.9/21

Left Out: -9.375+/-0.012 χ^2/NDF:49934.3/24

Right Out: -3.388+/-0.027 χ^2/NDF: 160151.0/25

Left In: -9.726+/-0.012 χ^2/NDF:31951.7/22

Left: -9.547+/-0.008 χ^2/NDF: 82314.4/47

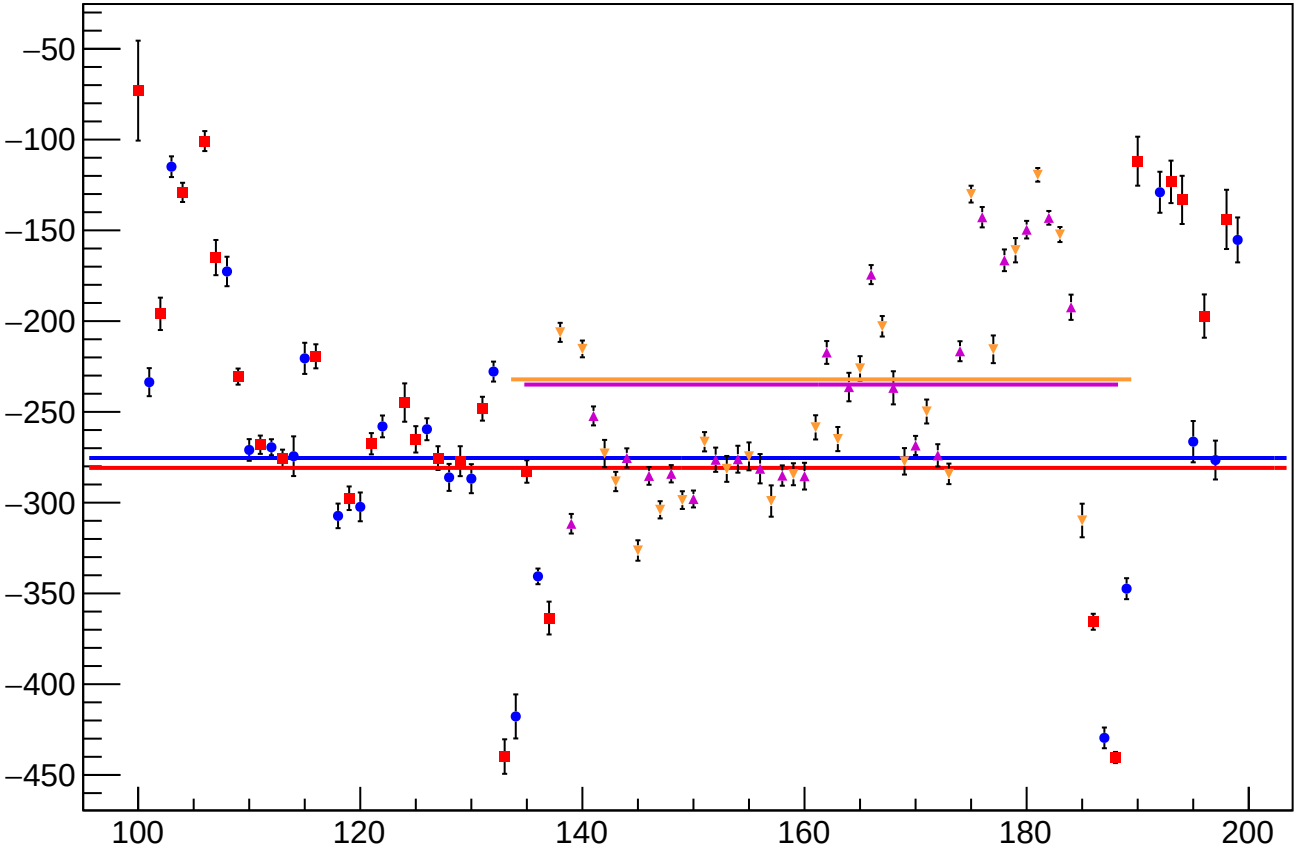
Right: -3.377+/-0.019 χ^2/NDF: 290122.2/47

In: -8.623+/-0.011 χ^2/NDF:209713.7/44

Out: -8.382+/-0.011 χ^2/NDF:252169.7/50

All: -8.501+/-0.008 χ^2/NDF: 462126.6/95

reg_asym_usr_atr2_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -275.400+/-1.450 χ^2/NDF: 2664.3/21

Left Out: -232.091+/-1.143 χ^2/NDF:3269.9/24

Right Out: -280.856+/-1.262 χ^2/NDF: 6479.2/25

Left In: -234.951+/-1.176 χ^2/NDF:2470.2/22

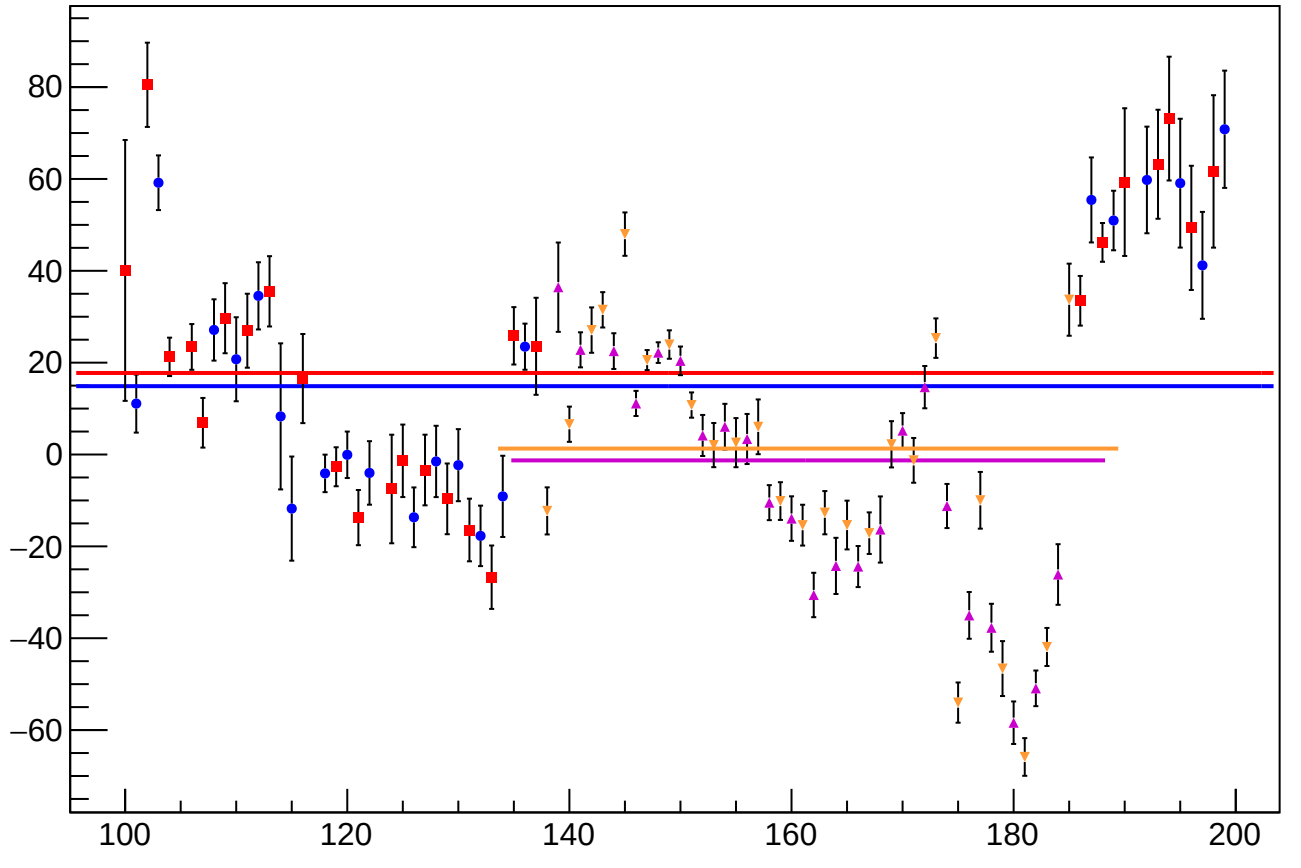
Left: -233.480+/-0.820 χ^2/NDF: 5743.2/47

Right: -278.505+/-0.952 χ^2/NDF: 9151.6/47

In: -250.993+/-0.913 χ^2/NDF:5603.9/44

Out: -254.073+/-0.847 χ^2/NDF:10569.7/50

All: -252.649+/-0.621 χ^2/NDF: 16179.7/95



Right In: 14.881+/-1.522 χ^2/NDF: 273.0/21

Left Out: 1.295+/-0.837 χ^2/NDF:1049.5/24

Right Out: 17.754+/-1.363 χ^2/NDF: 317.0/25

Left In: -1.280+/-0.869 χ^2/NDF:811.2/22

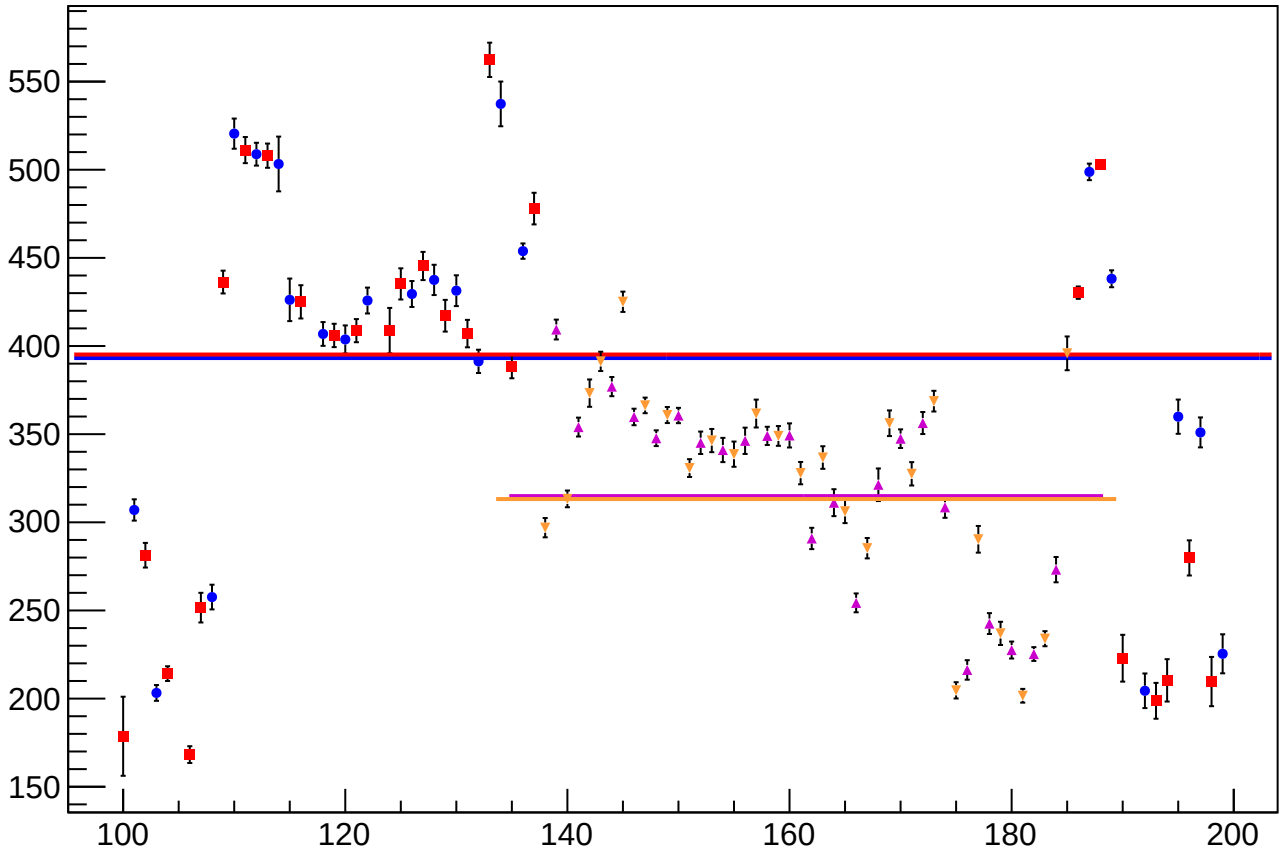
Left: 0.056+/-0.603 χ^2/NDF: 1865.2/47

Right: 16.476+/-1.015 χ^2/NDF: 591.9/47

In: 2.690+/-0.755 χ^2/NDF:1169.2/44

Out: 5.801+/-0.713 χ^2/NDF:1472.3/50

All: 4.333+/-0.518 χ^2/NDF: 2650.5/95



Right In: 393.175+/-1.472 χ^2/NDF: 4622.5/21

Left Out: 313.197+/-1.134 χ^2/NDF:3135.7/24

Right Out: 395.179+/-1.237 χ^2/NDF: 8929.4/25

Left In: 314.864+/-1.161 χ^2/NDF:2429.0/22

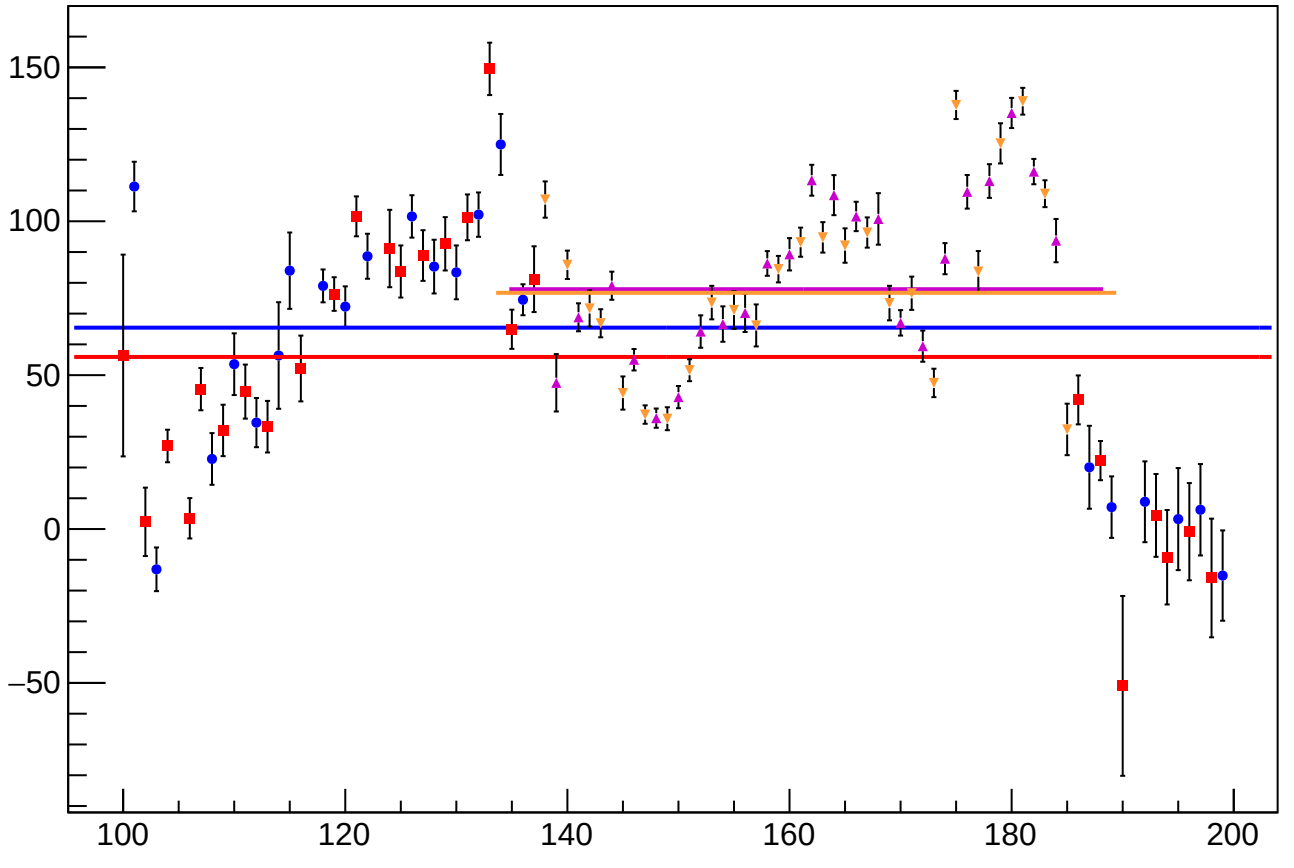
Left: 314.010+/-0.811 χ^2/NDF: 5565.8/47

Right: 394.350+/-0.947 χ^2/NDF: 13553.0/47

In: 344.903+/-0.912 χ^2/NDF:8795.7/44

Out: 350.617+/-0.836 χ^2/NDF:14450.8/50

All: 348.007+/-0.616 χ^2/NDF: 23267.8/95



Right In: 65.434+/-1.790 χ^2/NDF: 443.2/21

Left Out: 76.758+/-0.967 χ^2/NDF:1035.3/24

Right Out: 55.913+/-1.647 χ^2/NDF: 522.4/25

Left In: 77.923+/-0.997 χ^2/NDF:783.8/22

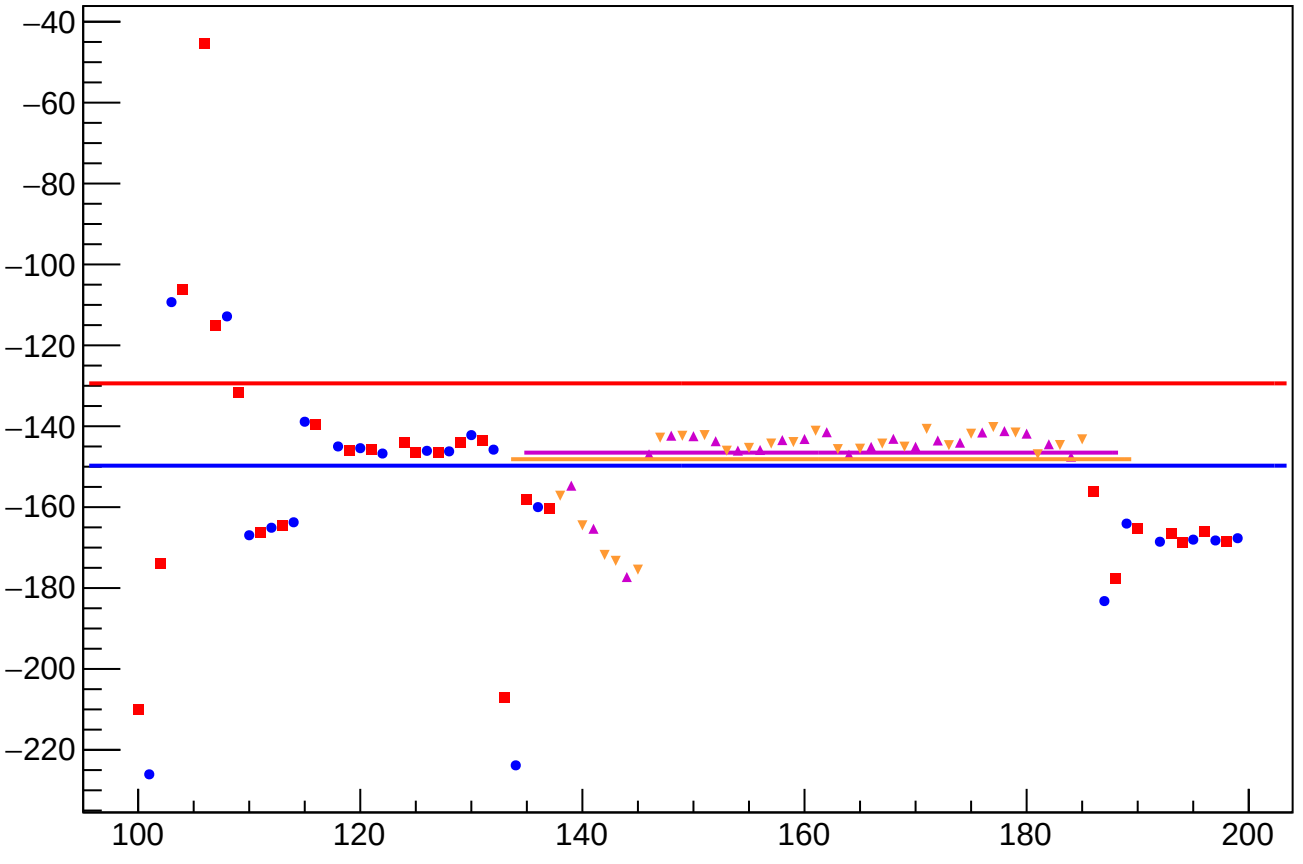
Left: 77.323+/-0.694 χ^2/NDF: 1819.9/47

Right: 60.278+/-1.212 χ^2/NDF: 980.9/47

In: 74.967+/-0.871 χ^2/NDF:1264.2/44

Out: 71.418+/-0.834 χ^2/NDF:1676.9/50

All: 73.115+/-0.602 χ^2/NDF: 2949.7/95



Right In: -149.746+/-0.088 χ^2/NDF: 143343.7/21

Left Out: -148.148+/-0.045 χ^2/NDF:48910.2/24

Right Out: -129.400+/-0.080 χ^2/NDF: 330148.2/25

Left In: -146.523+/-0.046 χ^2/NDF:29172.3/22

Left: -147.344+/-0.032 χ^2/NDF: 78725.9/47

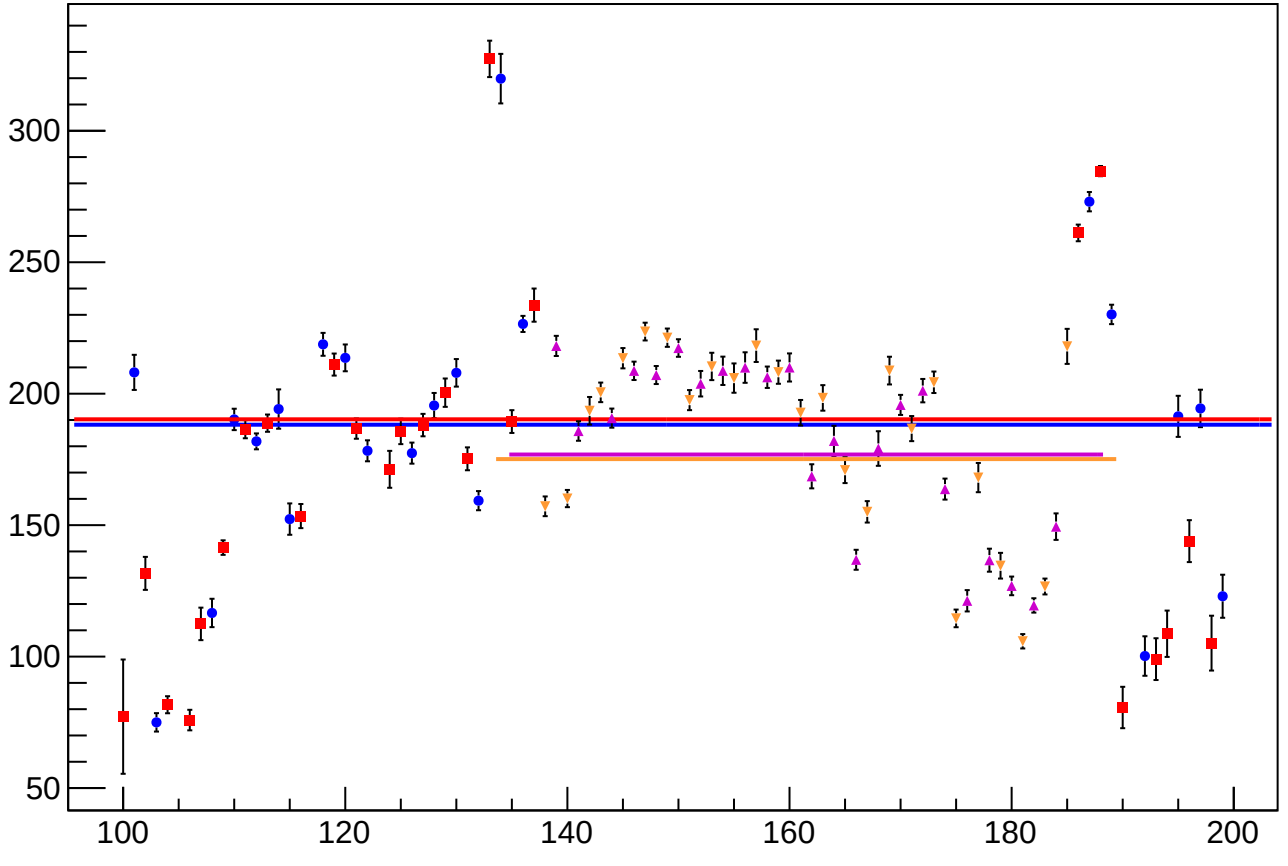
Right: -138.563+/-0.059 χ^2/NDF: 502667.0/47

In: -147.200+/-0.040 χ^2/NDF:173568.2/44

Out: -143.623+/-0.039 χ^2/NDF:420788.5/50

All: -145.357+/-0.028 χ^2/NDF: 598378.9/95

reg_asym_usr_atr2_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 188.208+/-0.971 χ^2/NDF: 2654.1/21

Left Out: 175.126+/-0.822 χ^2/NDF:2295.2/24

Right Out: 190.258+/-0.835 χ^2/NDF: 6512.5/25

Left In: 176.862+/-0.847 χ^2/NDF:1756.1/22

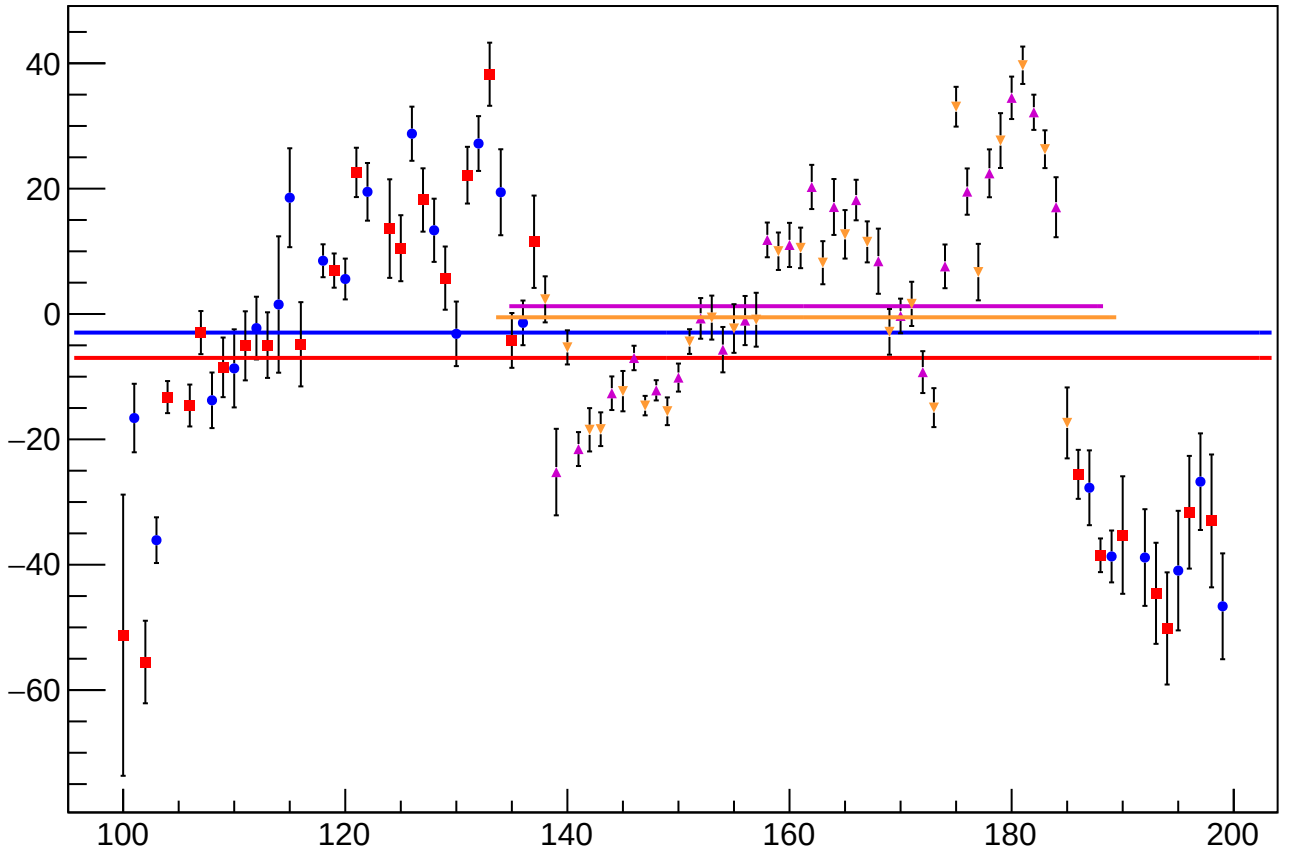
Left: 175.968+/-0.590 χ^2/NDF: 4053.4/47

Right: 189.387+/-0.633 χ^2/NDF: 9169.2/47

In: 181.762+/-0.638 χ^2/NDF:4487.7/44

Out: 182.574+/-0.586 χ^2/NDF:8974.5/50

All: 182.203+/-0.432 χ^2/NDF: 13463.1/95



Right In: -2.966+/-1.018 χ^2/NDF: 441.2/21

Left Out: -0.523+/-0.601 χ^2/NDF:724.5/24

Right Out: -7.005+/-0.898 χ^2/NDF: 559.4/25

Left In: 1.244+/-0.625 χ^2/NDF:620.6/22

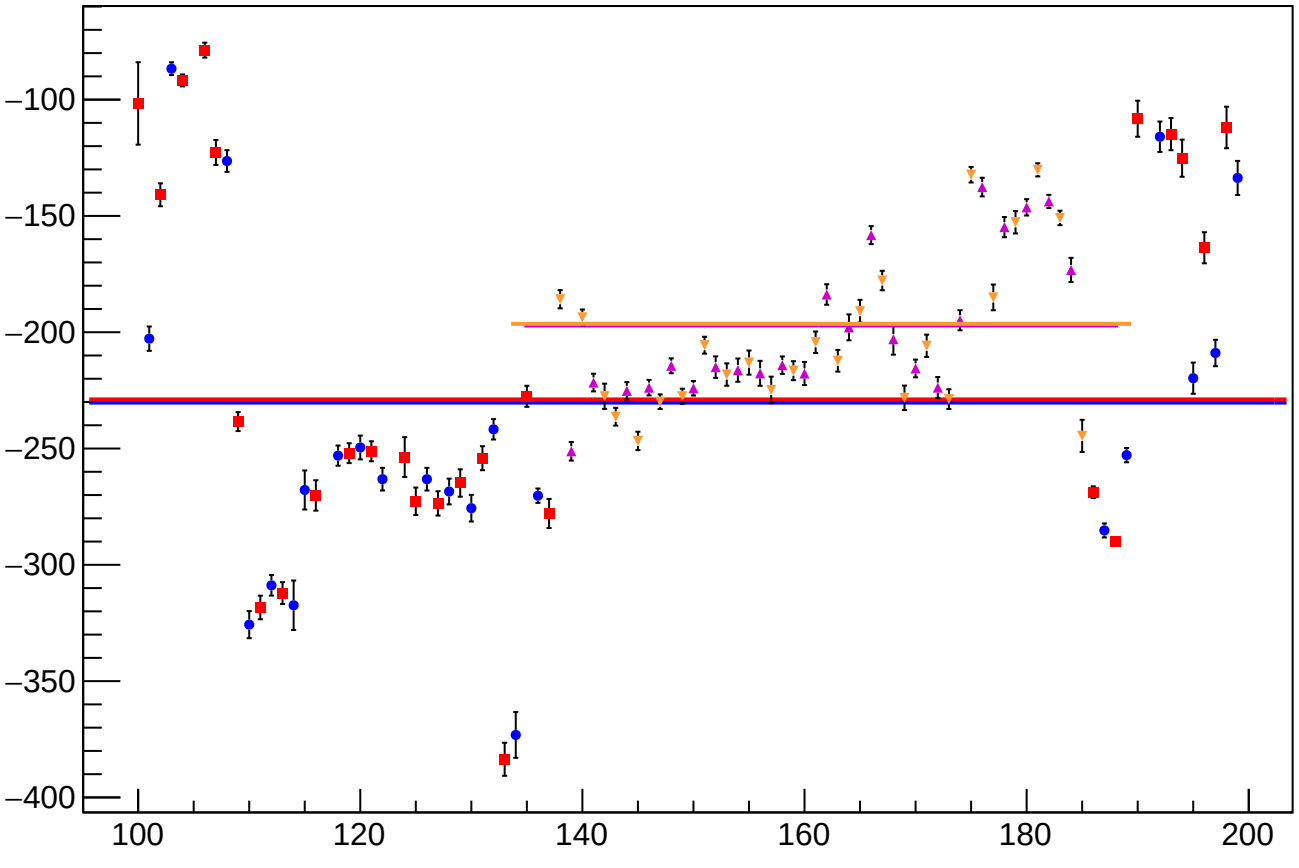
Left: 0.325+/-0.433 χ^2/NDF: 1349.2/47

Right: -5.238+/-0.673 χ^2/NDF: 1009.5/47

In: 0.091+/-0.533 χ^2/NDF:1074.2/44

Out: -2.528+/-0.499 χ^2/NDF:1319.9/50

All: -1.304+/-0.364 χ^2/NDF: 2406.9/95



Right In: -230.237+/-0.983 χ^2/NDF: 5434.4/21

Left Out: -196.380+/-0.816 χ^2/NDF:1997.7/24

Right Out: -228.892+/-0.815 χ^2/NDF: 10031.9/25

Left In: -197.128+/-0.837 χ^2/NDF:1601.5/22

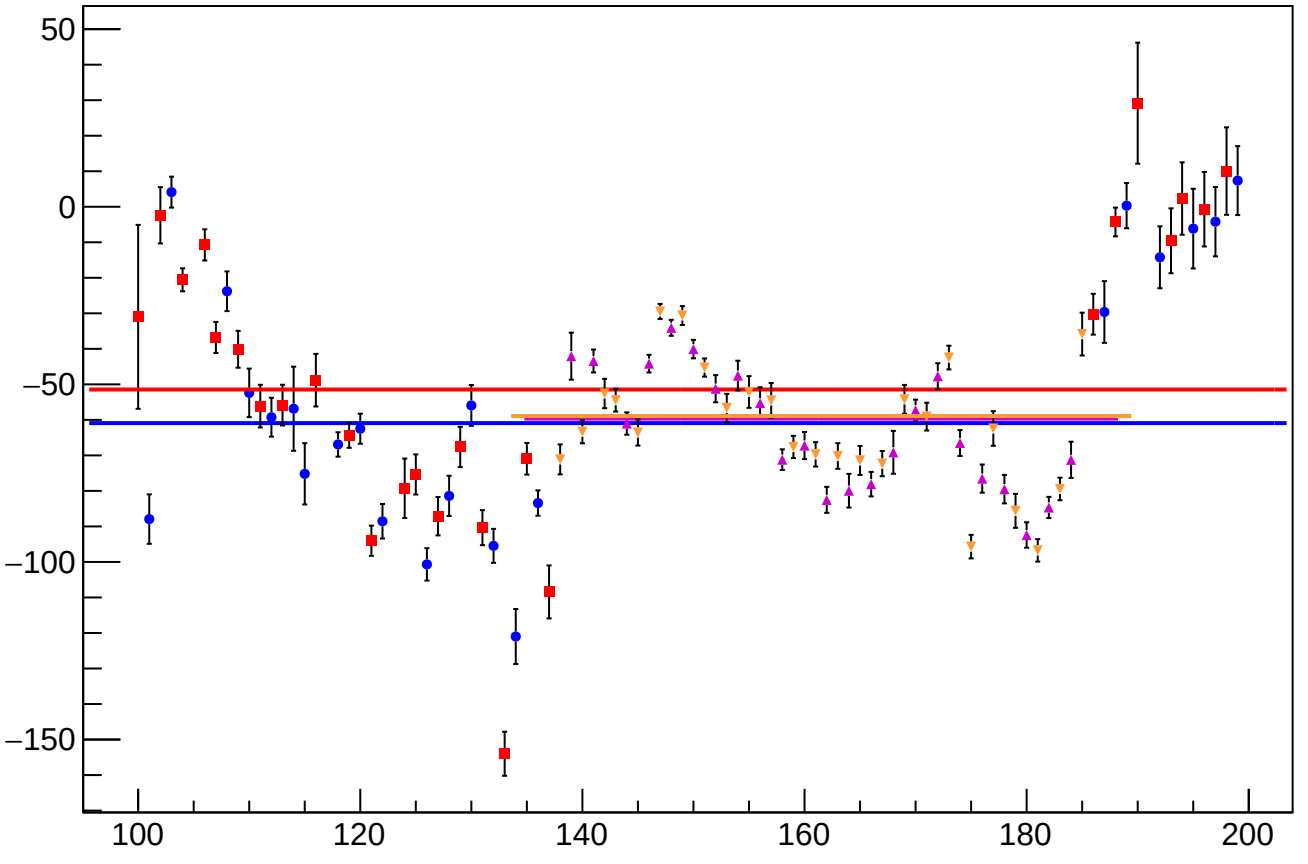
Left: -196.744+/-0.584 χ^2/NDF: 3599.6/47

Right: -229.440+/-0.627 χ^2/NDF: 15467.4/47

In: -211.044+/-0.637 χ^2/NDF:7693.8/44

Out: -212.651+/-0.577 χ^2/NDF:12824.6/50

All: -211.927+/-0.428 χ^2/NDF: 20521.9/95



Right In: -60.912+/-1.202 χ^2/NDF: 805.4/21

Left Out: -58.910+/-0.695 χ^2/NDF:782.5/24

Right Out: -51.453+/-1.088 χ^2/NDF: 1109.4/25

Left In: -59.637+/-0.718 χ^2/NDF:597.0/22

Left: -59.261+/-0.499 χ^2/NDF: 1380.0/47

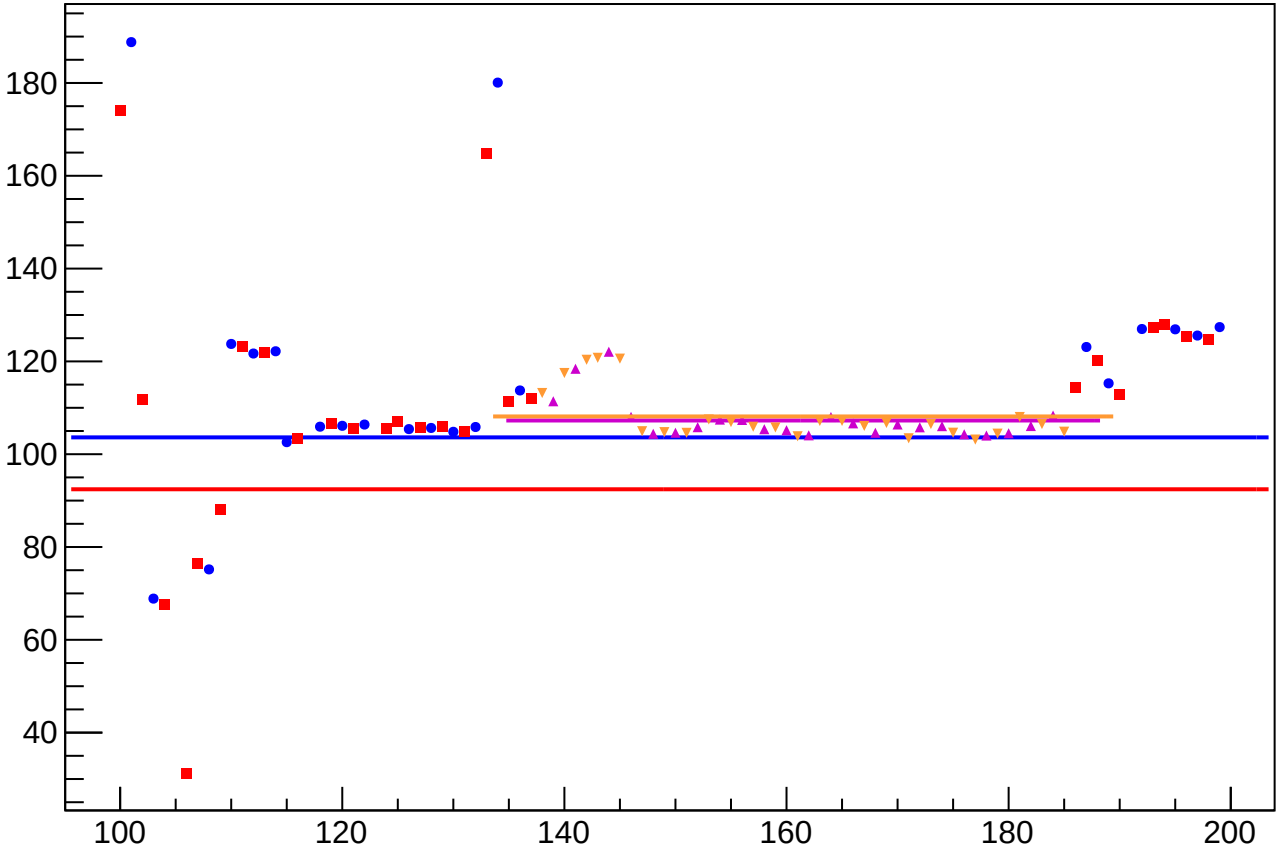
Right: -55.712+/-0.806 χ^2/NDF: 1948.8/47

In: -59.973+/-0.617 χ^2/NDF:1403.2/44

Out: -56.749+/-0.586 χ^2/NDF:1925.3/50

All: -58.277+/-0.425 χ^2/NDF: 3342.9/95

reg_asym_usr_atr2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 103.626+/-0.059 χ^2/NDF: 260881.0/21

Left Out: 108.136+/-0.032 χ^2/NDF:26420.1/24

Right Out: 92.442+/-0.054 χ^2/NDF: 353546.3/25

Left In: 107.266+/-0.033 χ^2/NDF:16879.3/22

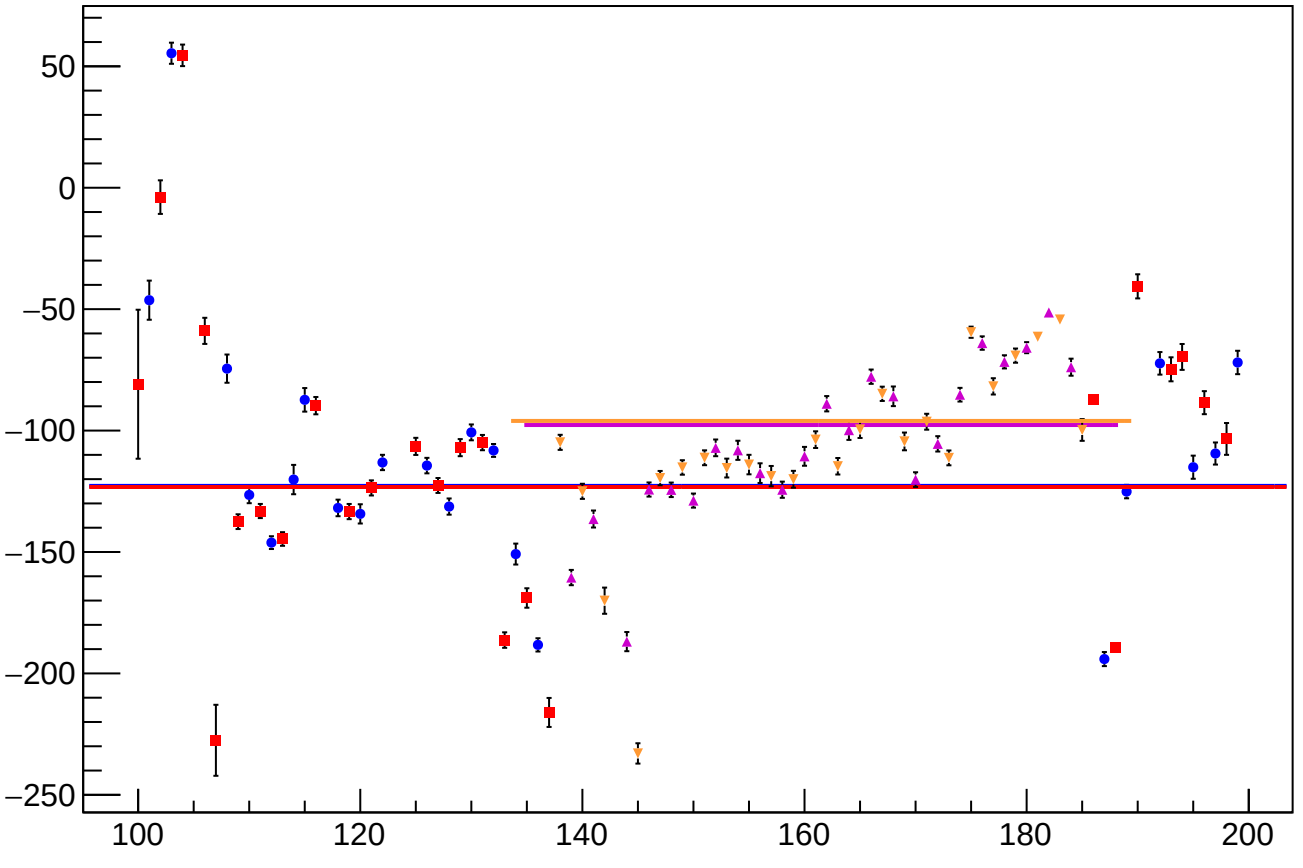
Left: 107.706+/-0.023 χ^2/NDF: 43654.4/47

Right: 97.544+/-0.040 χ^2/NDF: 633972.0/47

In: 106.405+/-0.029 χ^2/NDF:280667.3/44

Out: 103.975+/-0.028 χ^2/NDF:441966.6/50

All: 105.153+/-0.020 χ^2/NDF: 726330.5/95



Right In: -122.777+/-0.769 χ^2/NDF: 3545.9/21

Left Out: -96.026+/-0.635 χ^2/NDF:2770.9/23

Right Out: -123.230+/-0.669 χ^2/NDF: 5786.0/24

Left In: -97.713+/-0.639 χ^2/NDF:2640.9/22

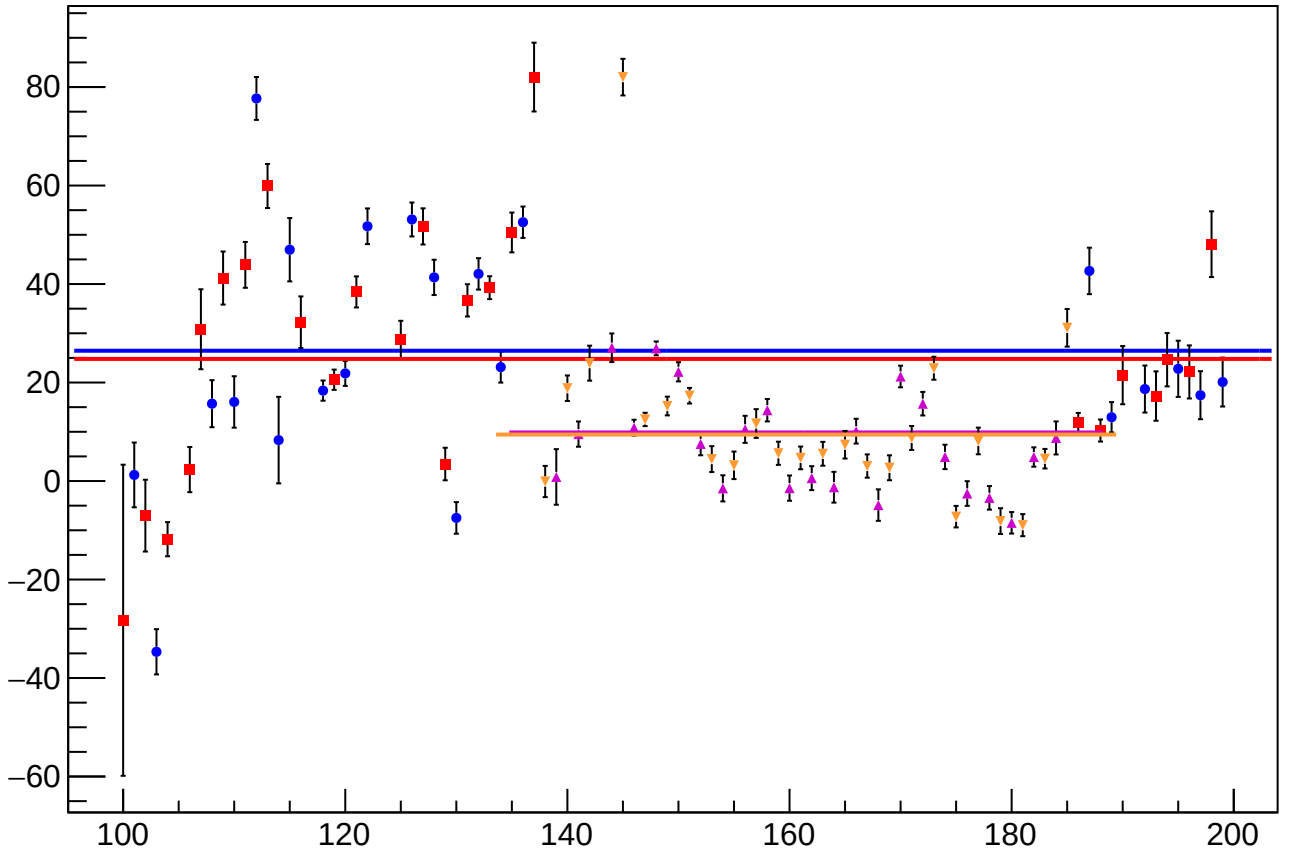
Left: -96.865+/-0.450 χ^2/NDF: 5415.3/46

Right: -123.035+/-0.505 χ^2/NDF: 9332.1/46

In: -107.944+/-0.491 χ^2/NDF:6815.7/44

Out: -108.912+/-0.461 χ^2/NDF:9426.7/48

All: -108.459+/-0.336 χ^2/NDF: 16244.4/93



Right In: 26.458+/-0.797 χ^2/NDF: 741.4/21

Left Out: 9.438+/-0.478 χ^2/NDF:736.4/23

Right Out: 24.797+/-0.732 χ^2/NDF: 624.0/24

Left In: 9.864+/-0.487 χ^2/NDF:485.4/22

Left: 9.648+/-0.341 χ^2/NDF: 1222.1/46

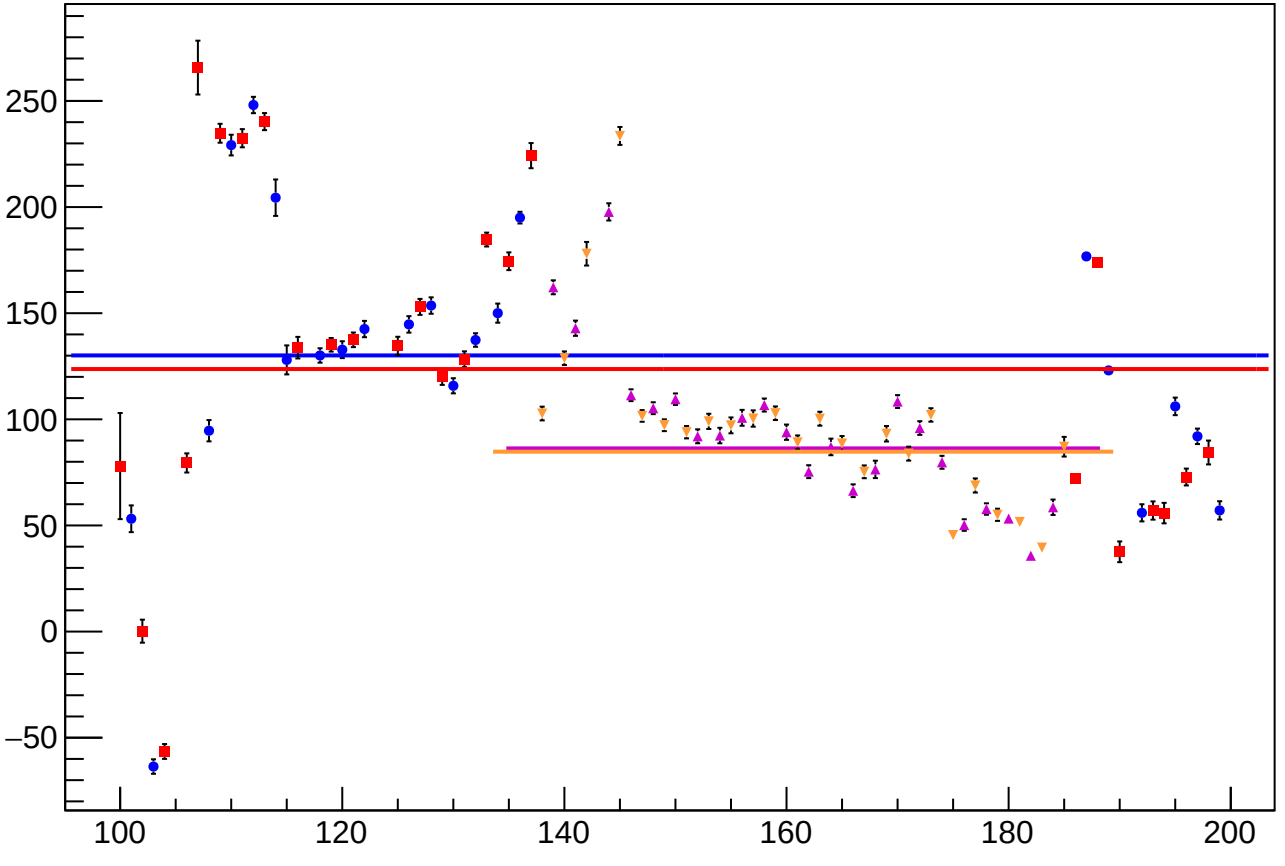
Right: 25.558+/-0.539 χ^2/NDF: 1367.8/46

In: 14.373+/-0.415 χ^2/NDF:1542.7/44

Out: 14.025+/-0.400 χ^2/NDF:1668.8/48

All: 14.192+/-0.288 χ^2/NDF: 3211.8/93

reg_asym_us_avg_at1lr_avg_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 130.107+/-0.788 χ^2/NDF: 6656.4/21

Left Out: 84.759+/-0.629 χ^2/NDF:3110.5/23

Right Out: 123.690+/-0.646 χ^2/NDF: 10332.4/24

Left In: 86.300+/-0.632 χ^2/NDF:3152.8/22

Left: 85.526+/-0.446 χ^2/NDF: 6266.2/46

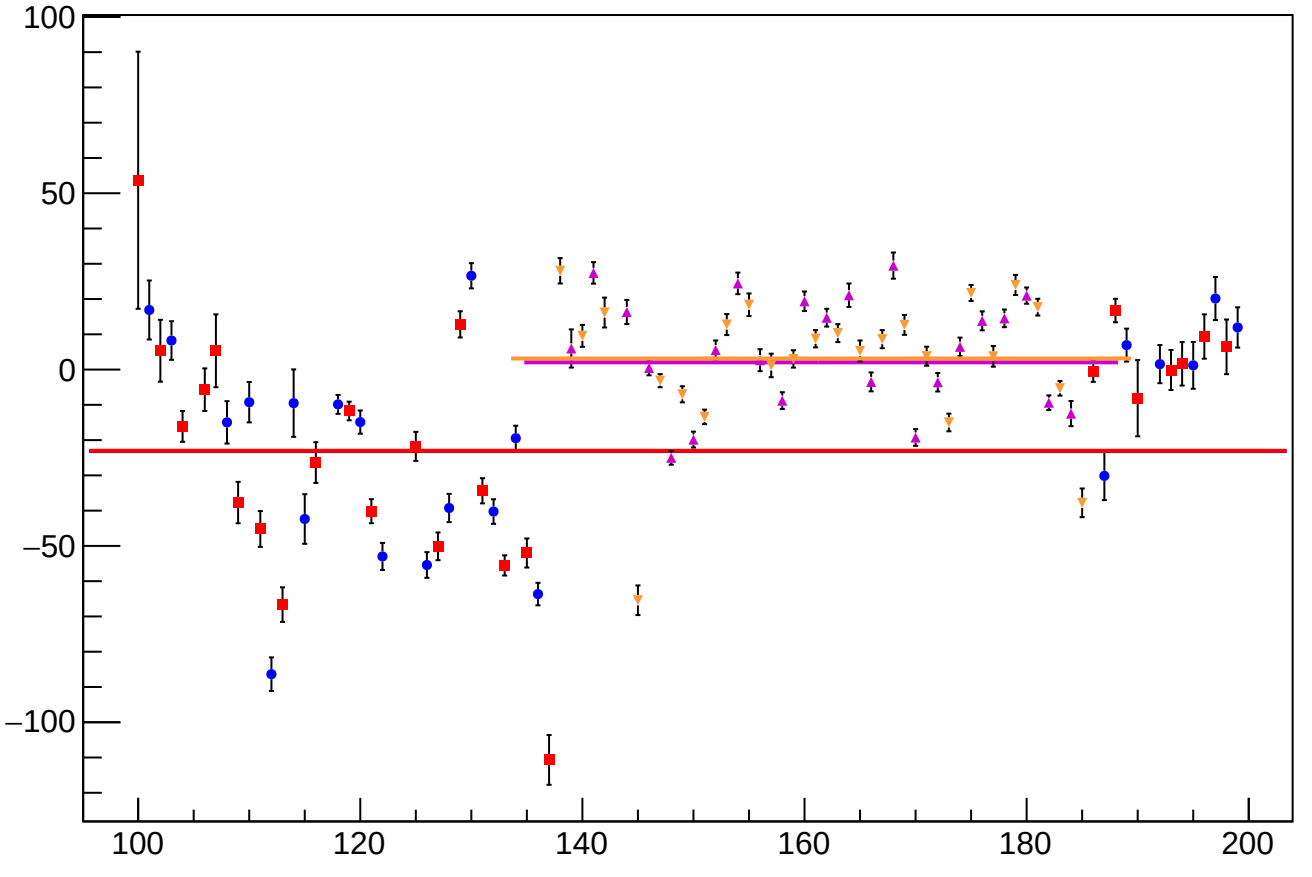
Right: 126.270+/-0.500 χ^2/NDF: 17028.4/46

In: 103.429+/-0.493 χ^2/NDF:11689.0/44

Out: 103.694+/-0.451 χ^2/NDF:15305.3/48

All: 103.574+/-0.333 χ^2/NDF: 26994.4/93

reg_asym_us_avg_at1lr_avg_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -23.103+/-0.937 χ^2/NDF: 980.1/21

Left Out: 3.151+/-0.544 χ^2/NDF:813.9/23

Right Out: -23.037+/-0.892 χ^2/NDF: 940.4/24

Left In: 2.050+/-0.551 χ^2/NDF:850.8/22

Left: 2.608+/-0.387 χ^2/NDF: 1666.7/46

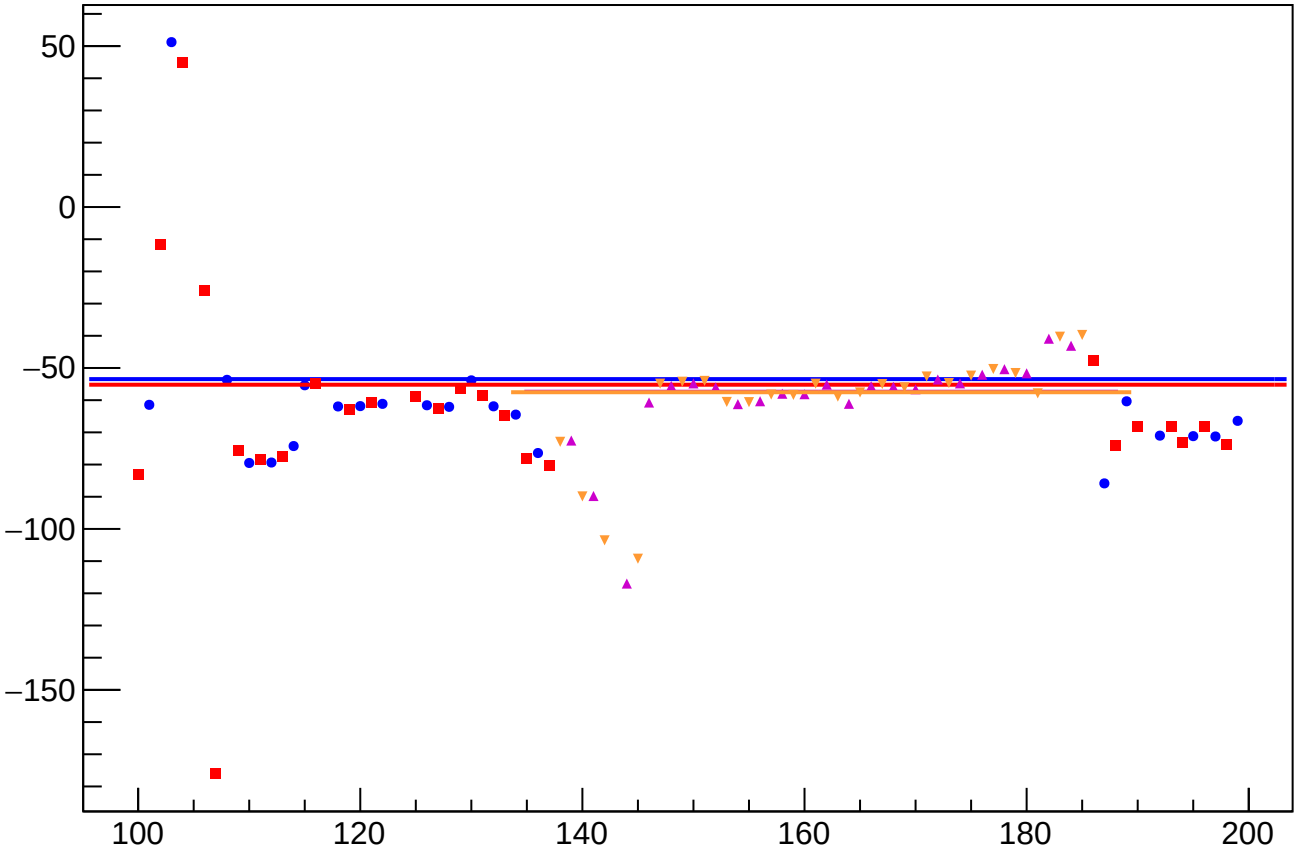
Right: -23.069+/-0.646 χ^2/NDF: 1920.5/46

In: -4.410+/-0.475 χ^2/NDF:2366.1/44

Out: -3.948+/-0.464 χ^2/NDF:2383.1/48

All: -4.174+/-0.332 χ^2/NDF: 4749.7/93

reg_asym_us_avg_at1lr_avg_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -53.456+/-0.048 χ^2/NDF: 634483.1/21

Left Out: -57.532+/-0.025 χ^2/NDF:267030.7/23

Right Out: -55.196+/-0.048 χ^2/NDF: 556111.7/24

Left In: -57.377+/-0.025 χ^2/NDF:227136.8/22

Left: -57.455+/-0.018 χ^2/NDF: 494187.3/46

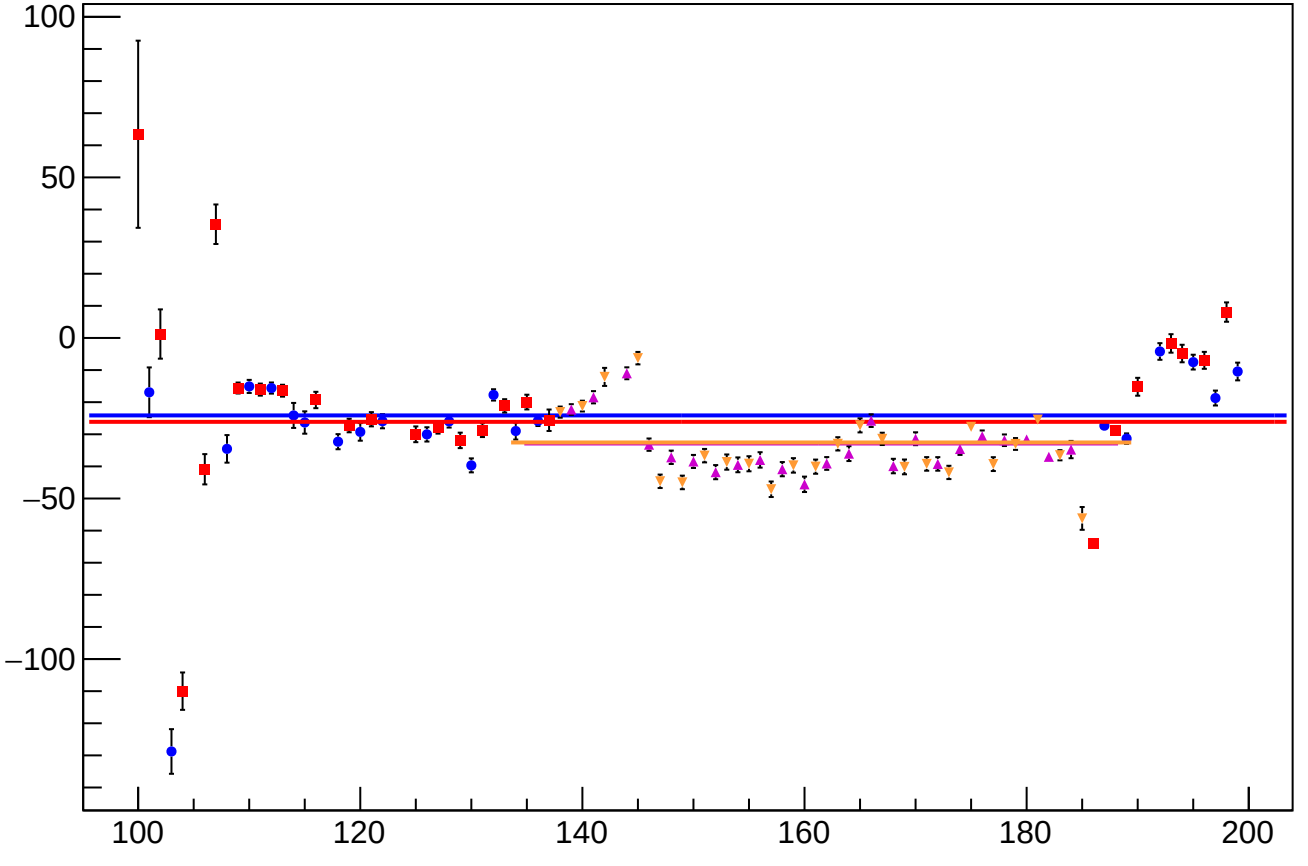
Right: -54.329+/-0.034 χ^2/NDF: 1191243.0/46

In: -56.565+/-0.022 χ^2/NDF:866817.5/44

Out: -57.045+/-0.022 χ^2/NDF:824999.2/48

All: -56.805+/-0.016 χ^2/NDF: 1692054.2/93

reg_asym_us_avg_at1lr_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -24.123+/-0.477 χ^2/NDF: 536.1/21

Left Out: -32.549+/-0.407 χ^2/NDF:603.6/23

Right Out: -26.120+/-0.427 χ^2/NDF: 1517.7/24

Left In: -32.867+/-0.411 χ^2/NDF:373.2/22

Left: -32.706+/-0.289 χ^2/NDF: 977.1/46

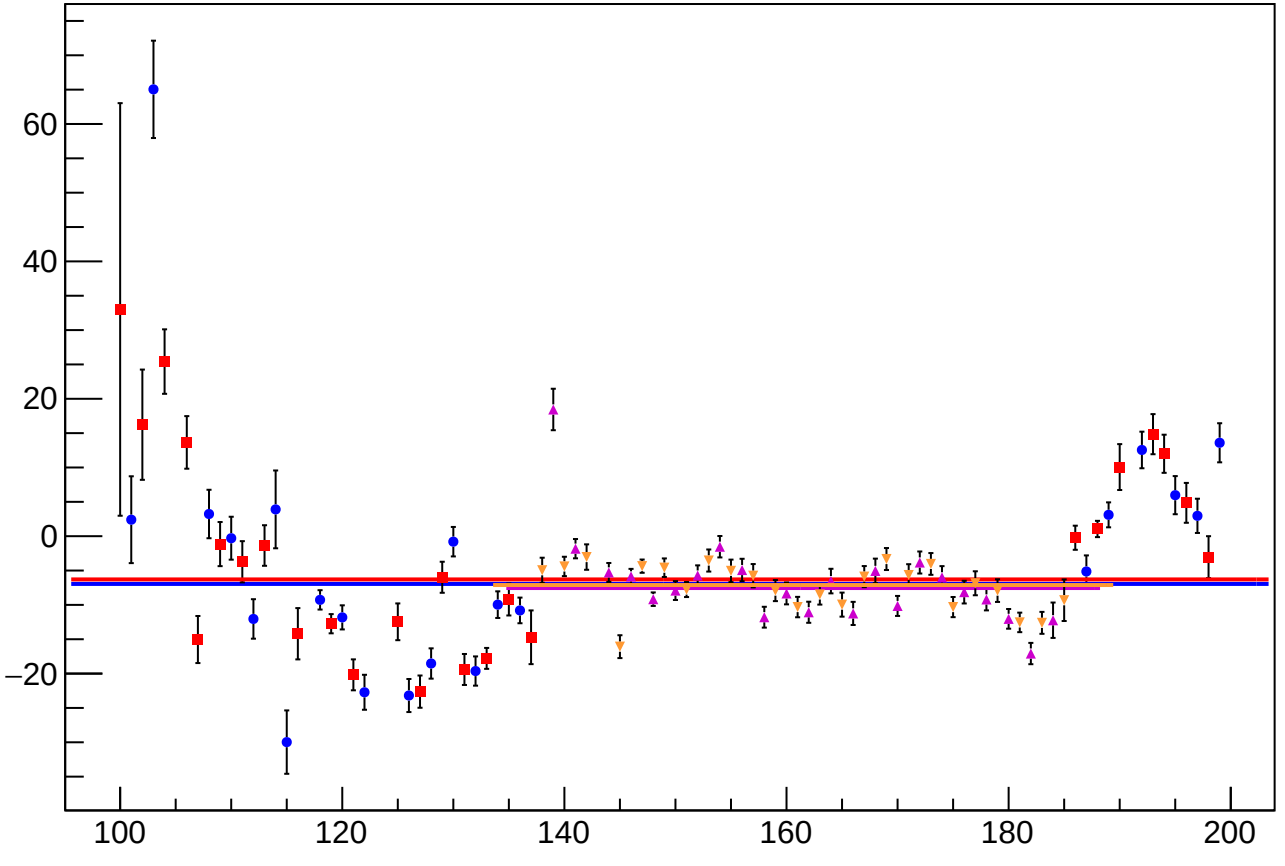
Right: -25.232+/-0.318 χ^2/NDF: 2063.5/46

In: -29.139+/-0.312 χ^2/NDF:1102.0/44

Out: -29.492+/-0.294 χ^2/NDF:2240.1/48

All: -29.326+/-0.214 χ^2/NDF: 3342.8/93

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -6.949+/-0.512 χ^2/NDF: 496.8/21

Left Out: -7.110+/-0.309 χ^2/NDF:109.5/23

Right Out: -6.293+/-0.481 χ^2/NDF: 495.6/24

Left In: -7.547+/-0.315 χ^2/NDF:199.7/22

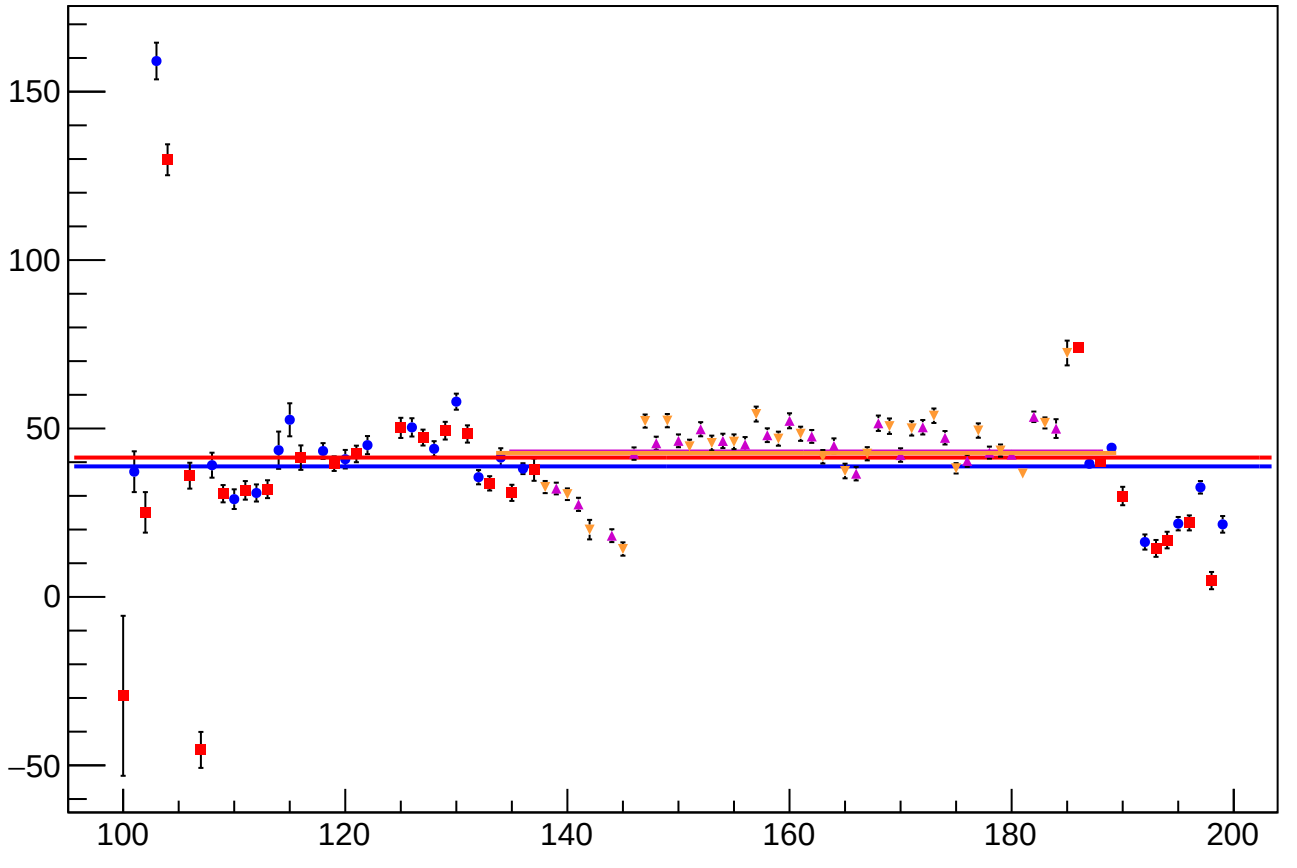
Left: -7.324+/-0.221 χ^2/NDF: 310.2/46

Right: -6.601+/-0.351 χ^2/NDF: 993.3/46

In: -7.382+/-0.268 χ^2/NDF:697.6/44

Out: -6.871+/-0.260 χ^2/NDF:607.1/48

All: -7.119+/-0.187 χ^2/NDF: 1306.5/93



Right In: 38.748+/-0.480 χ^2/NDF: 868.7/21

Left Out: 42.745+/-0.403 χ^2/NDF:631.5/23

Right Out: 41.374+/-0.412 χ^2/NDF: 2115.5/24

Left In: 43.169+/-0.407 χ^2/NDF:413.0/22

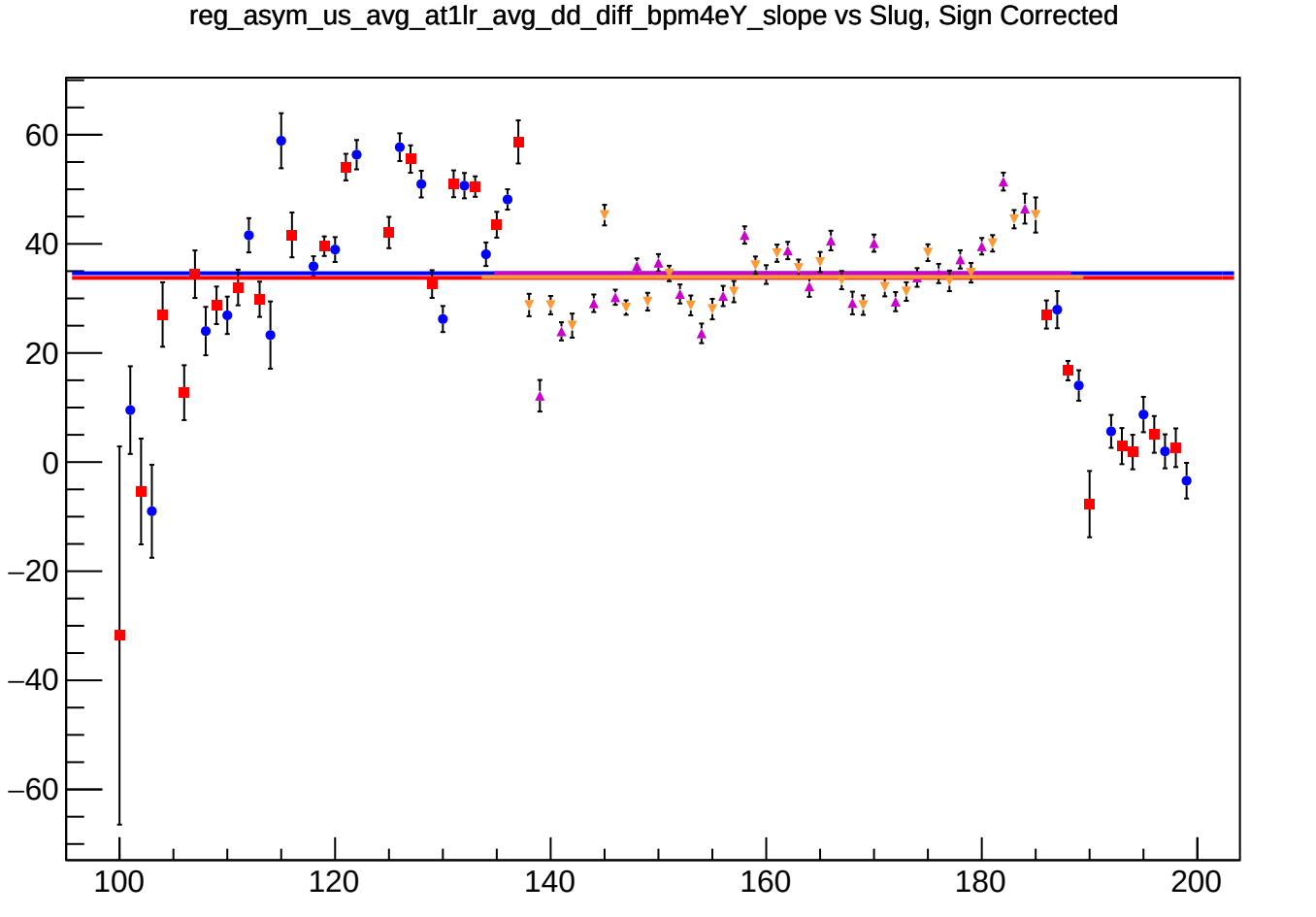
Left: 42.955+/-0.287 χ^2/NDF: 1045.1/46

Right: 40.258+/-0.313 χ^2/NDF: 3001.4/46

In: 41.317+/-0.310 χ^2/NDF:1331.1/44

Out: 42.074+/-0.288 χ^2/NDF:2752.6/48

All: 41.724+/-0.211 χ^2/NDF: 4086.9/93



Right In: 34.620+/-0.602 χ^2/NDF: 849.1/21

Left Out: 33.930+/-0.351 χ^2/NDF:216.5/23

Right Out: 33.762+/-0.585 χ^2/NDF: 878.5/24

Left In: 34.623+/-0.356 χ^2/NDF:376.1/22

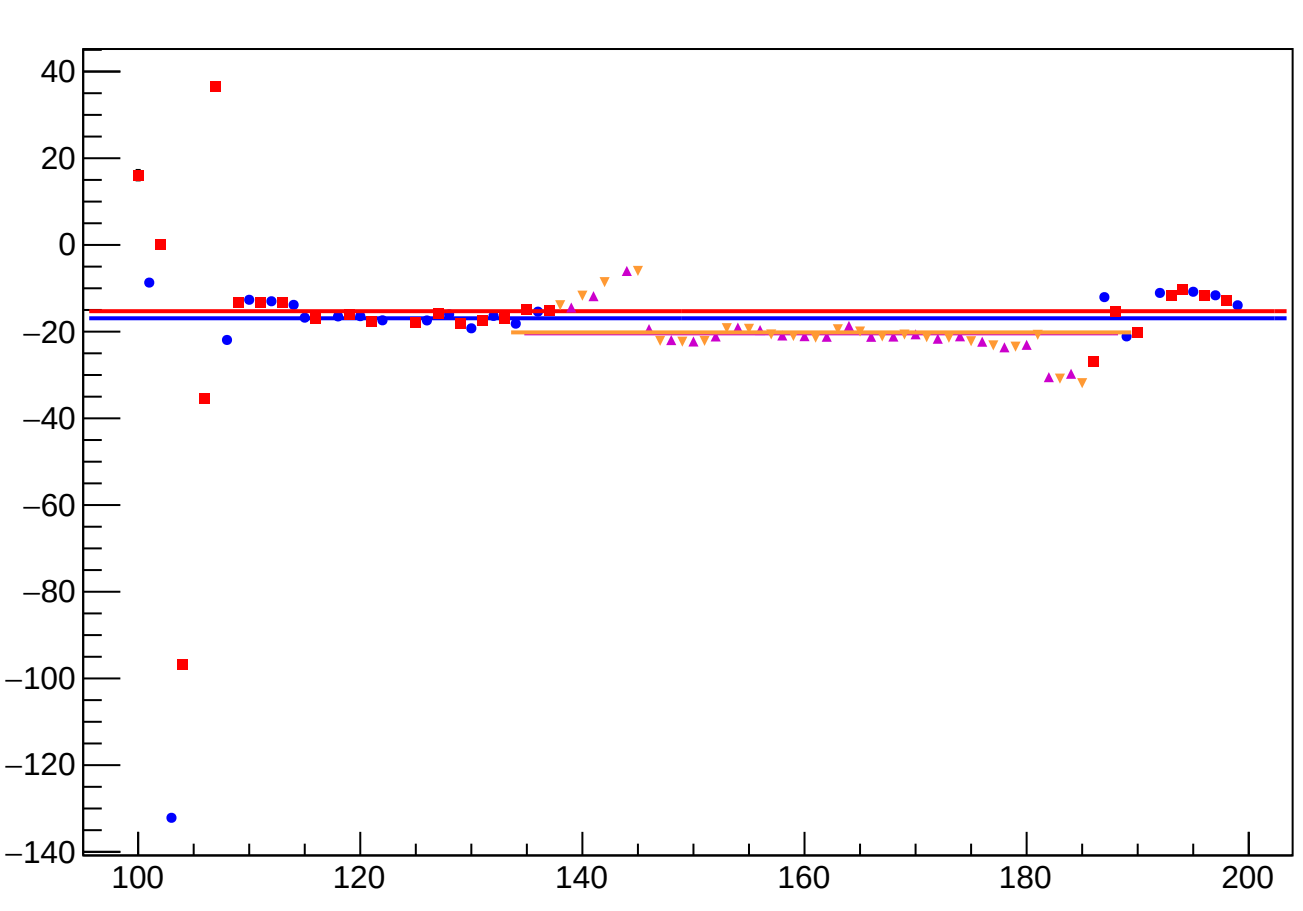
Left: 34.271+/-0.250 χ^2/NDF: 594.5/46

Right: 34.179+/-0.420 χ^2/NDF: 1728.6/46

In: 34.622+/-0.307 χ^2/NDF:1225.1/44

Out: 33.886+/-0.301 χ^2/NDF:1095.1/48

All: 34.247+/-0.215 χ^2/NDF: 2323.1/93



Right In: -16.919+/-0.031 χ^2/NDF: 265356.1/21

Left Out: -20.174+/-0.016 χ^2/NDF:99947.2/23

Right Out: -15.282+/-0.031 χ^2/NDF: 217140.3/24

Left In: -20.396+/-0.016 χ^2/NDF:81154.4/22

Left: -20.285+/-0.011 χ^2/NDF: 181200.8/46

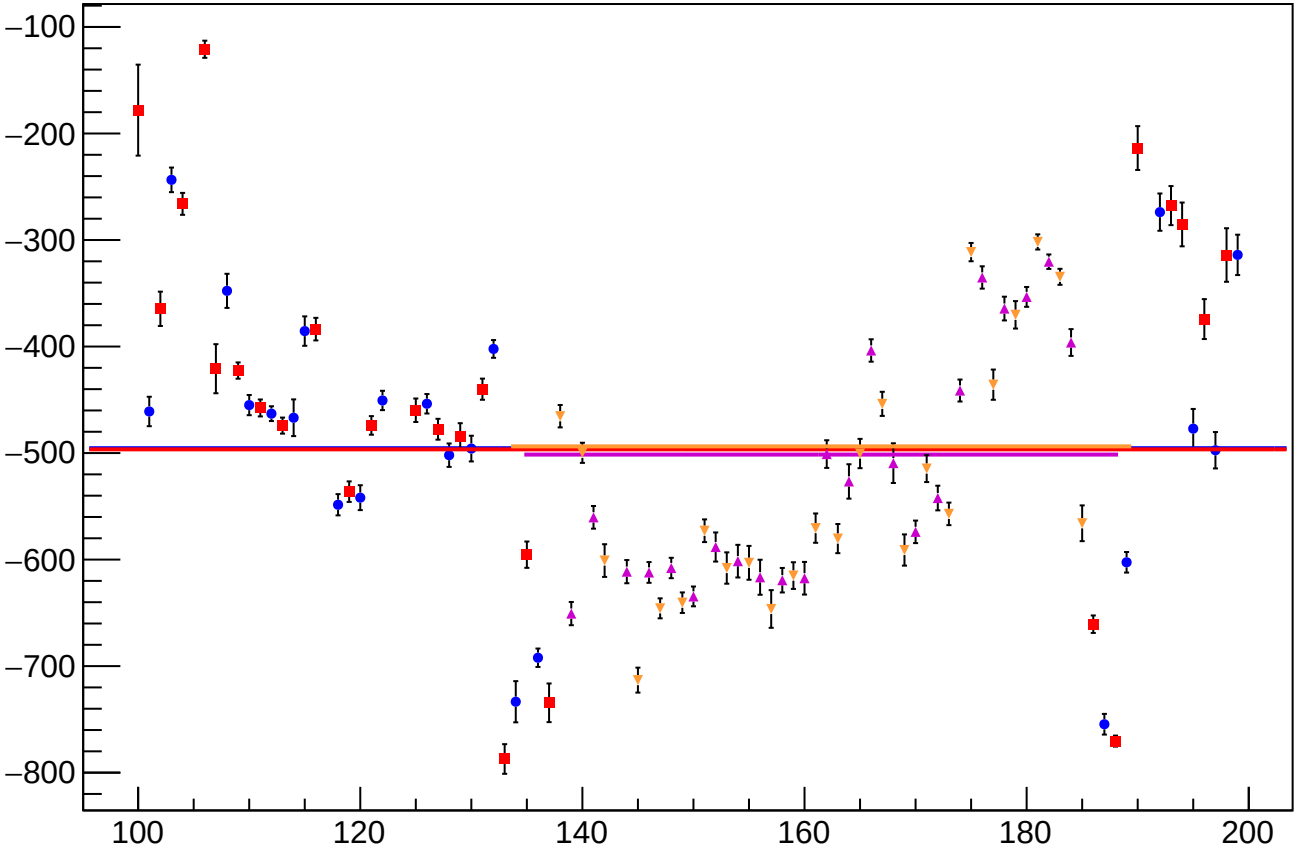
Right: -16.099+/-0.022 χ^2/NDF: 483931.1/46

In: -19.665+/-0.014 χ^2/NDF:356717.1/44

Out: -19.144+/-0.014 χ^2/NDF:337340.0/48

All: -19.404+/-0.010 χ^2/NDF: 694747.4/93

reg_asym_us_avg_at2lr_avg_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -495.436+/-2.370 χ^2/NDF: 2647.3/21

Left Out: -493.722+/-2.295 χ^2/NDF:3150.0/23

Right Out: -496.511+/-2.089 χ^2/NDF: 7555.9/24

Left In: -501.425+/-2.306 χ^2/NDF:2689.3/22

Left: -497.555+/-1.627 χ^2/NDF: 5844.9/46

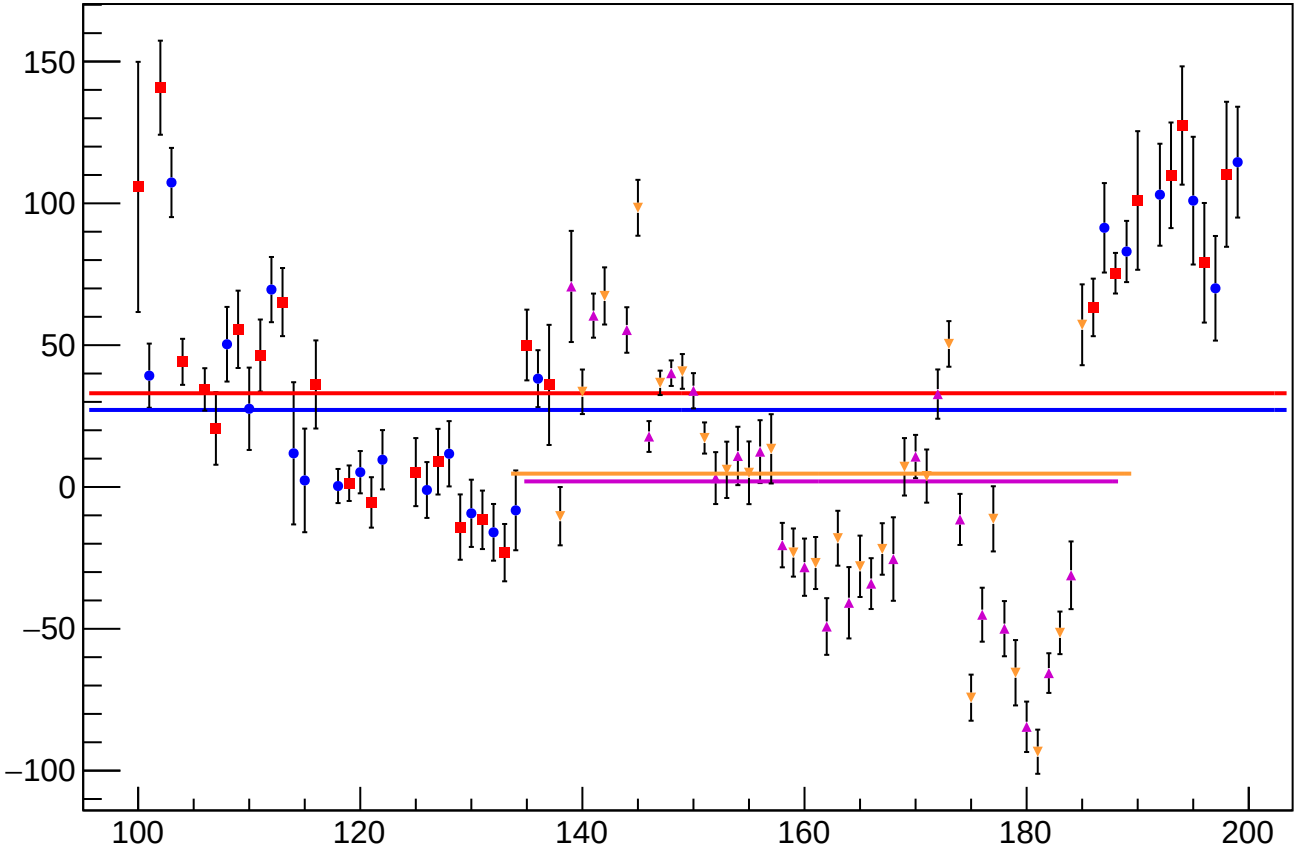
Right: -496.041+/-1.567 χ^2/NDF: 10203.3/46

In: -498.513+/-1.653 χ^2/NDF:5339.9/44

Out: -495.248+/-1.545 χ^2/NDF:10706.7/48

All: -496.770+/-1.129 χ^2/NDF: 16048.7/93

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 27.159+/-2.461 χ^2/NDF: 237.6/21

Left Out: 4.709+/-1.696 χ^2/NDF:680.3/23

Right Out: 33.048+/-2.271 χ^2/NDF: 284.2/24

Left In: 1.970+/-1.722 χ^2/NDF:560.8/22

Left: 3.360+/-1.208 χ^2/NDF: 1242.4/46

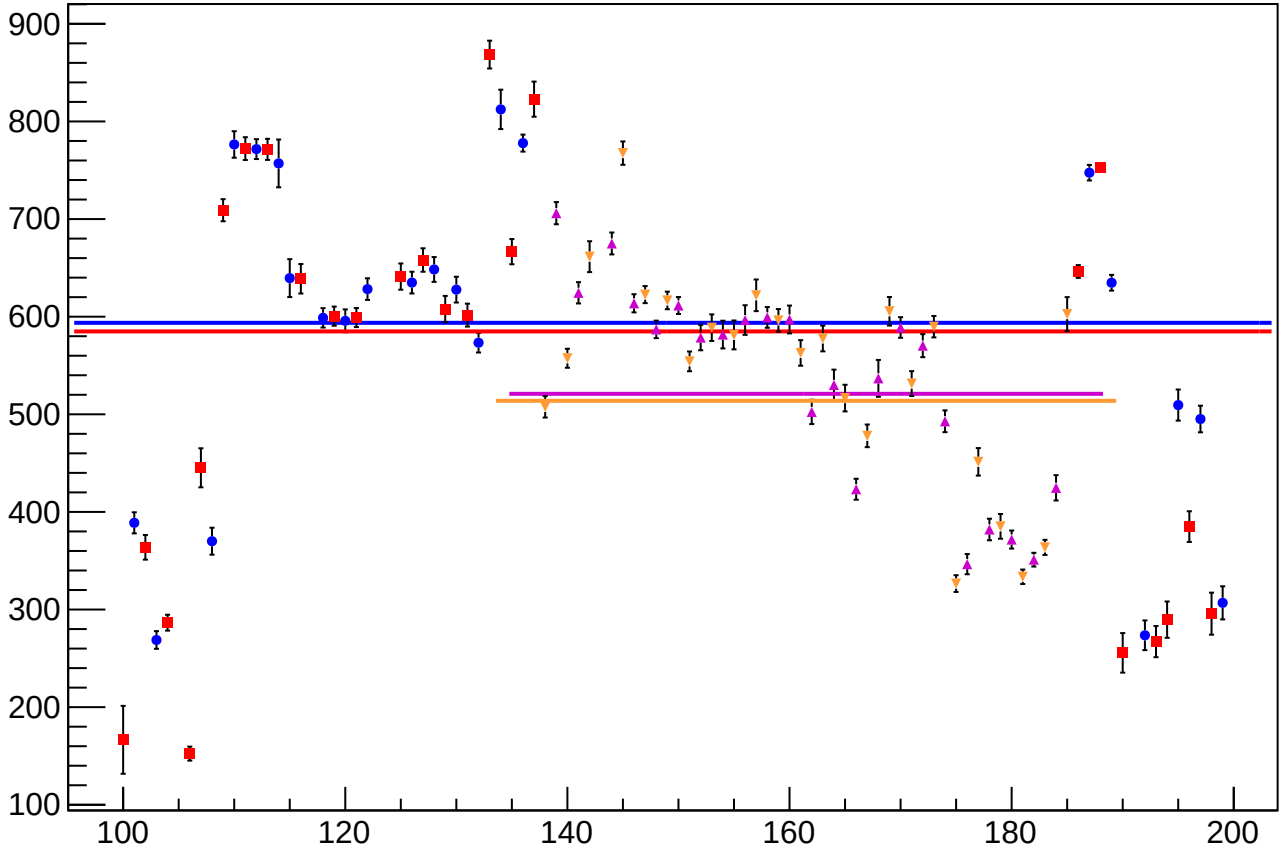
Right: 30.339+/-1.669 χ^2/NDF: 524.9/46

In: 10.251+/-1.411 χ^2/NDF:868.8/44

Out: 14.852+/-1.359 χ^2/NDF:1064.5/48

All: 12.638+/-0.979 χ^2/NDF: 1938.8/93

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 593.721+/-2.464 χ^2/NDF: 4267.5/21

Left Out: 513.833+/-2.277 χ^2/NDF:2735.5/23

Right Out: 584.905+/-2.087 χ^2/NDF: 9834.5/24

Left In: 520.990+/-2.283 χ^2/NDF:2442.8/22

Left: 517.401+/-1.612 χ^2/NDF: 5183.2/46

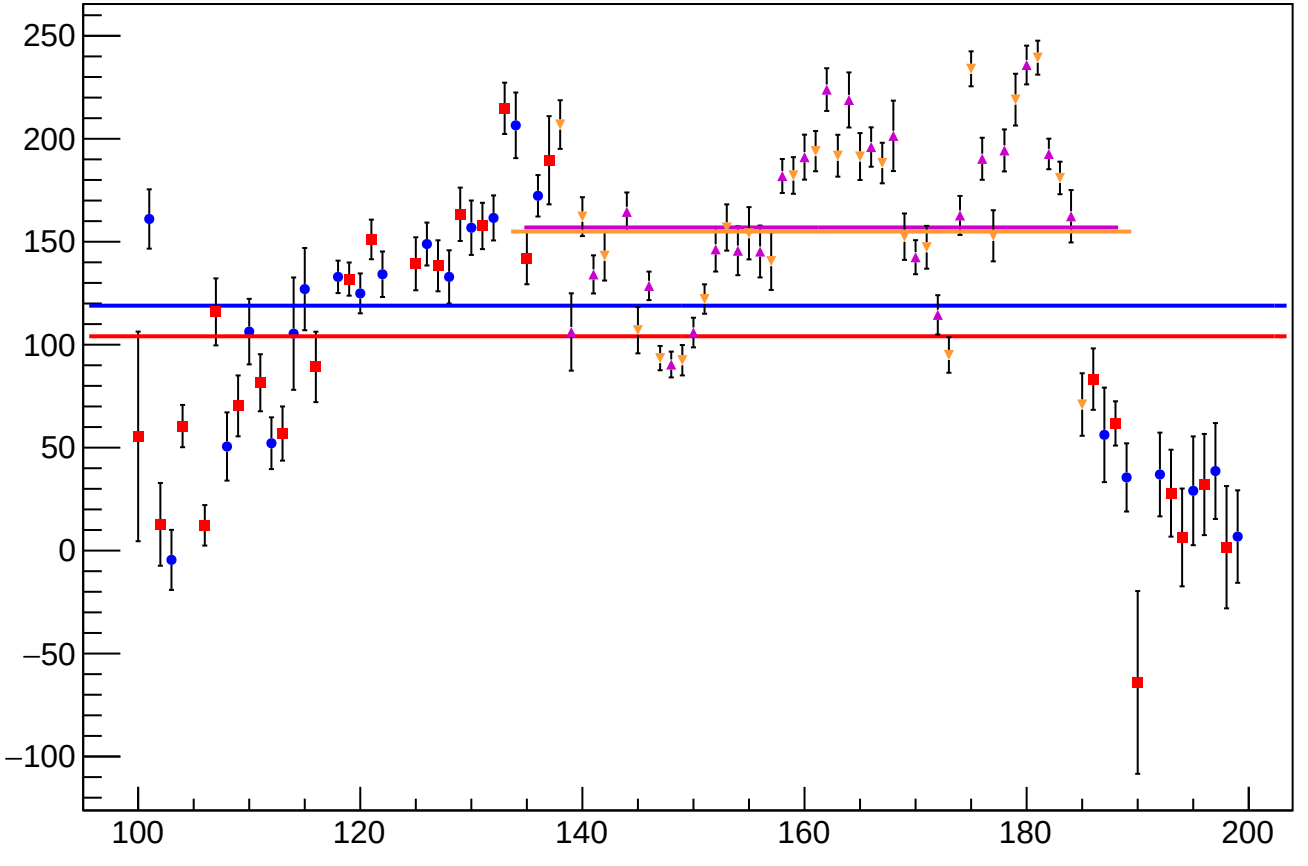
Right: 588.588+/-1.593 χ^2/NDF: 14109.5/46

In: 554.593+/-1.675 χ^2/NDF:7179.1/44

Out: 552.454+/-1.539 χ^2/NDF:13099.5/48

All: 553.433+/-1.133 χ^2/NDF: 20279.5/93

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 118.947+/-2.904 χ^2/NDF: 320.7/21

Left Out: 154.944+/-1.953 χ^2/NDF:609.0/23

Right Out: 104.083+/-2.738 χ^2/NDF: 429.4/24

Left In: 156.934+/-1.971 χ^2/NDF:443.2/22

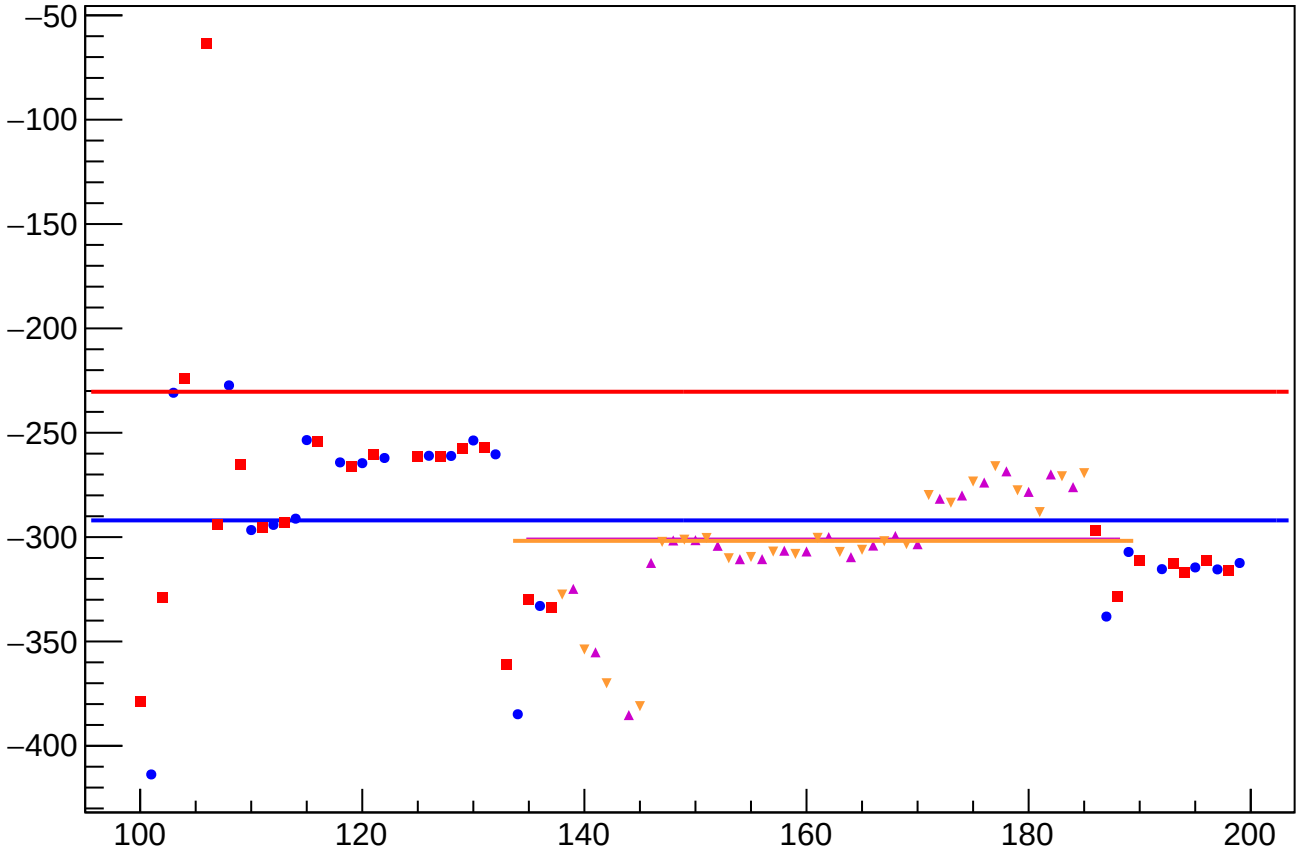
Left: 155.930+/-1.387 χ^2/NDF: 1052.7/46

Right: 111.079+/-1.992 χ^2/NDF: 763.9/46

In: 144.952+/-1.631 χ^2/NDF:881.0/44

Out: 137.794+/-1.590 χ^2/NDF:1267.1/48

All: 141.282+/-1.139 χ^2/NDF: 2158.0/93



Right In: -291.987+/-0.155 χ^2/NDF: 111638.8/21

Left Out: -301.785+/-0.091 χ^2/NDF:86719.4/23

Right Out: -230.350+/-0.133 χ^2/NDF: 647582.3/24

Left In: -301.176+/-0.090 χ^2/NDF:75325.3/22

Left: -301.478+/-0.064 χ^2/NDF: 162067.4/46

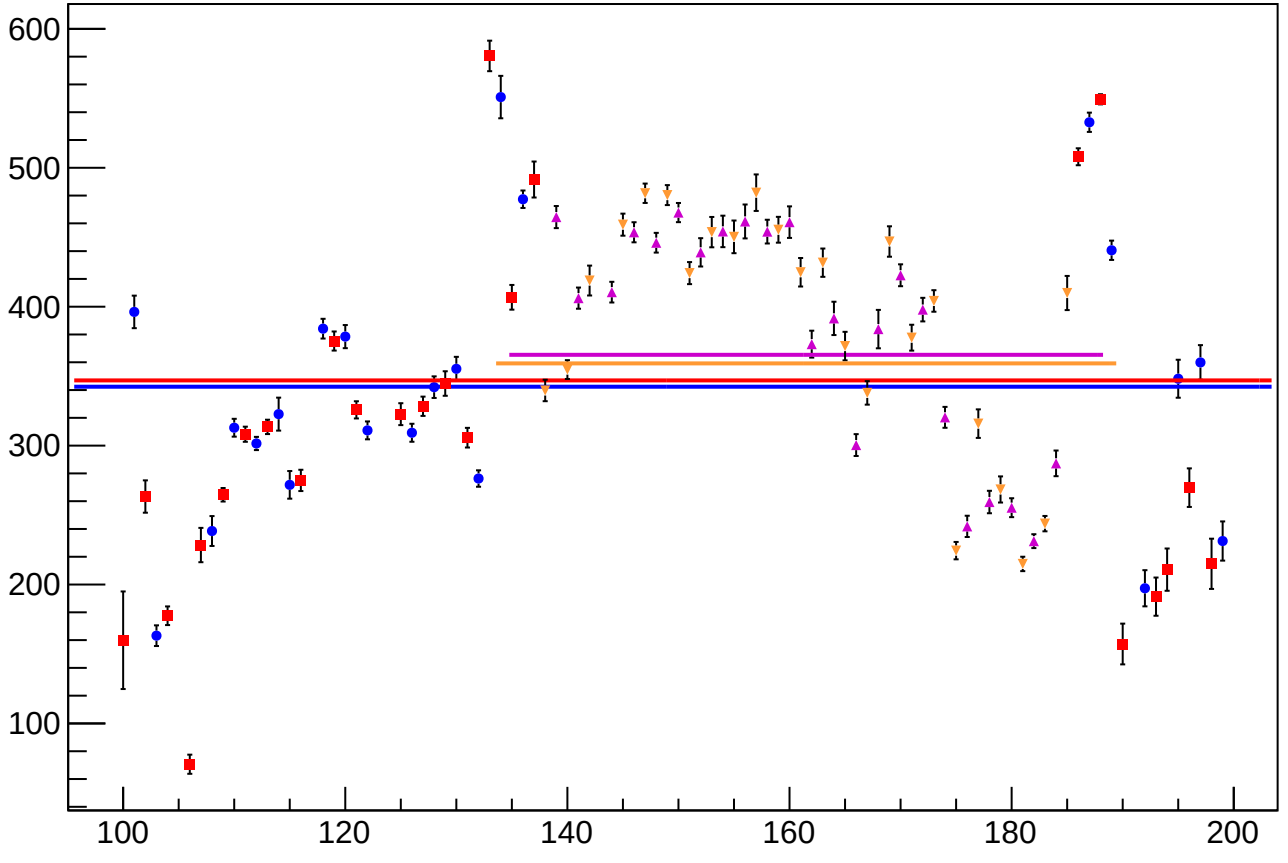
Right: -256.470+/-0.101 χ^2/NDF: 850891.9/46

In: -298.848+/-0.078 χ^2/NDF:189603.8/44

Out: -278.967+/-0.075 χ^2/NDF:932053.4/48

All: -288.532+/-0.054 χ^2/NDF: 1155553.8/93

reg_asym_us_avg_at2lr_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 342.403+/-1.680 χ^2/NDF: 2861.0/21

Left Out: 359.188+/-1.681 χ^2/NDF:3187.9/23

Right Out: 346.944+/-1.480 χ^2/NDF: 7817.5/24

Left In: 365.362+/-1.692 χ^2/NDF:2739.5/22

Left: 362.254+/-1.193 χ^2/NDF: 5934.1/46

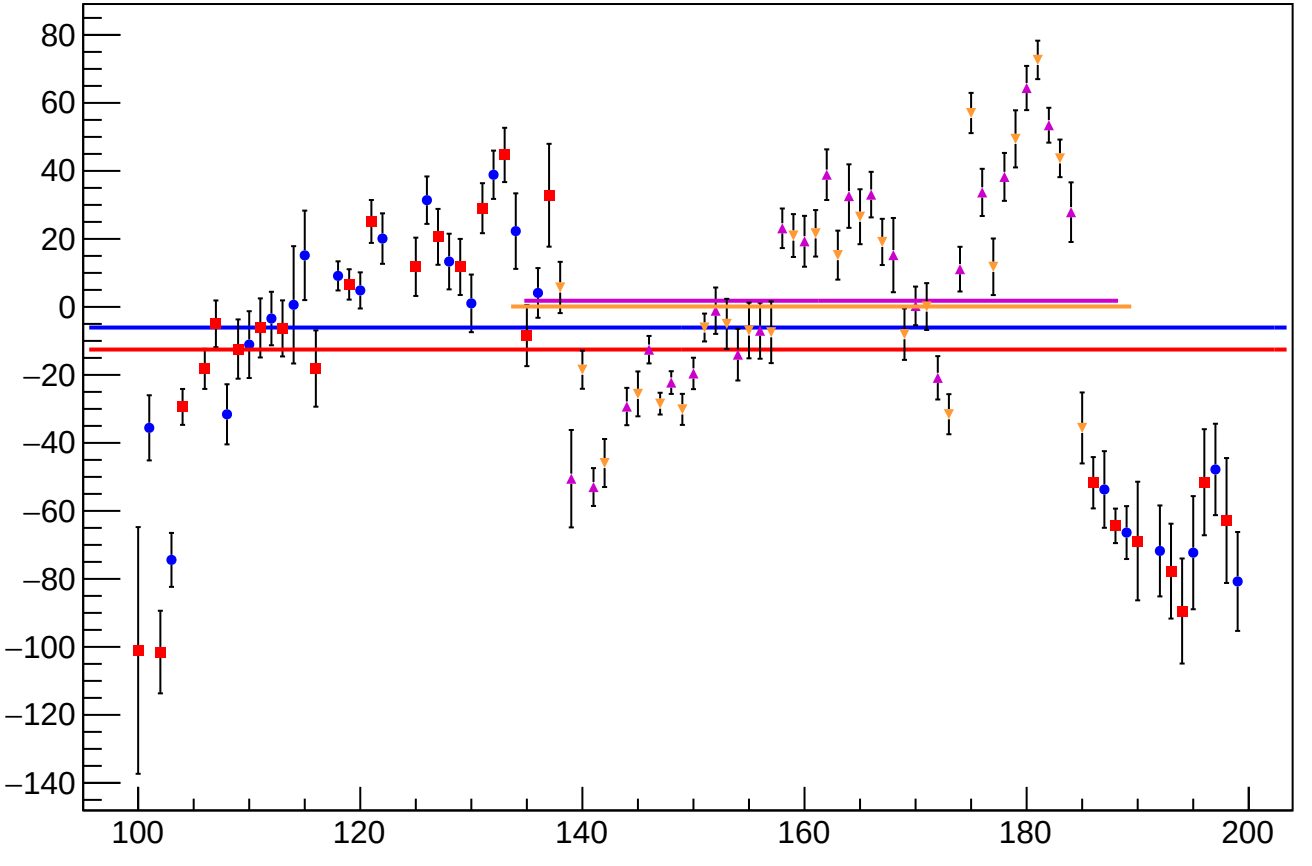
Right: 344.961+/-1.110 χ^2/NDF: 10682.6/46

In: 353.799+/-1.192 χ^2/NDF:5693.1/44

Out: 352.288+/-1.111 χ^2/NDF:11035.3/48

All: 352.990+/-0.813 χ^2/NDF: 16729.3/93

reg_asym_us_avg_at2lr_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -6.070+/-1.759 χ^2/NDF: 361.9/21

Left Out: 0.114+/-1.247 χ^2/NDF:637.9/23

Right Out: -12.542+/-1.606 χ^2/NDF: 455.0/24

Left In: 1.812+/-1.267 χ^2/NDF:577.0/22

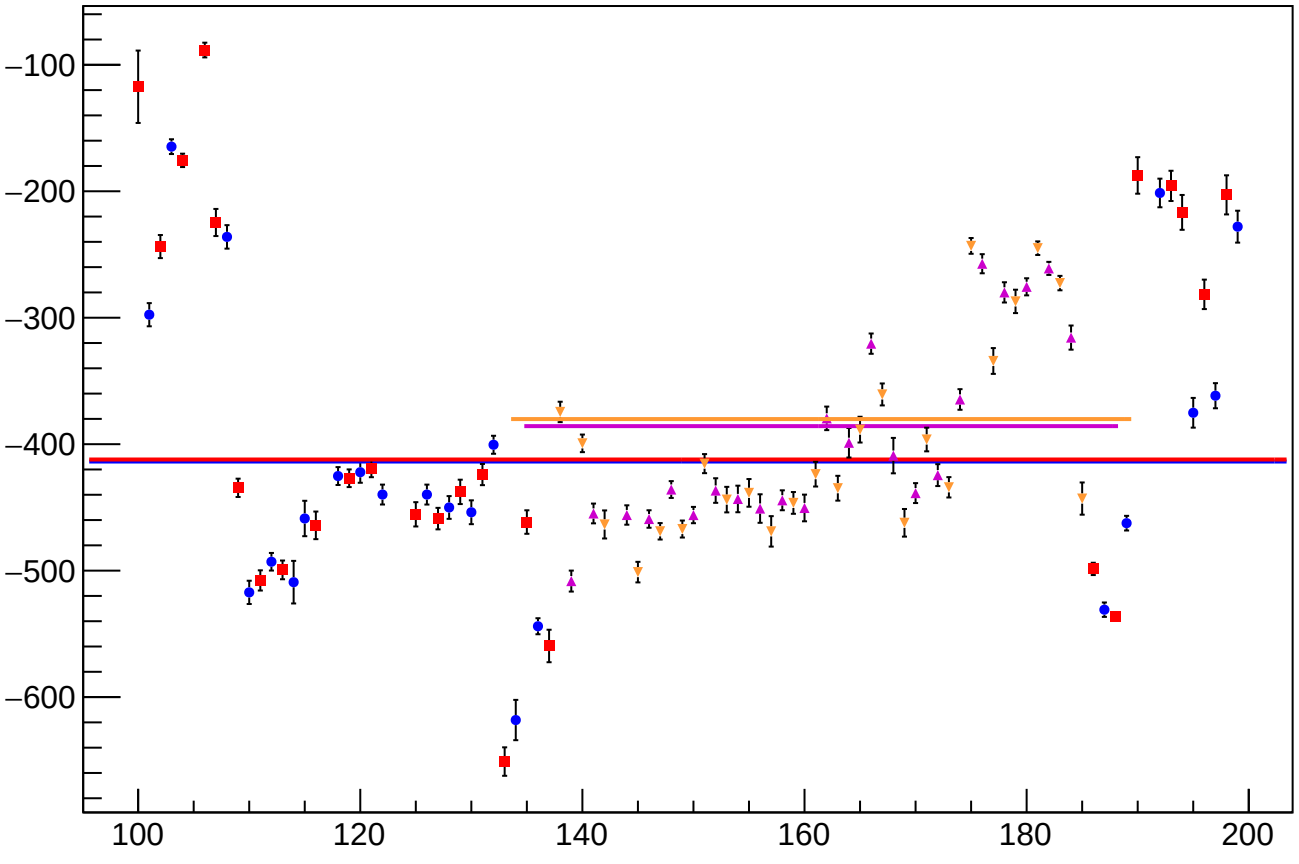
Left: 0.950+/-0.889 χ^2/NDF: 1215.9/46

Right: -9.600+/-1.186 χ^2/NDF: 824.4/46

In: -0.880+/-1.028 χ^2/NDF:952.2/44

Out: -4.646+/-0.985 χ^2/NDF:1131.7/48

All: -2.844+/-0.711 χ^2/NDF: 2090.9/93



Right In: -413.718+/-1.755 χ^2/NDF: 4389.8/21

Left Out: -380.144+/-1.670 χ^2/NDF:2618.6/23

Right Out: -412.116+/-1.487 χ^2/NDF: 10020.8/24

Left In: -385.725+/-1.677 χ^2/NDF:2361.2/22

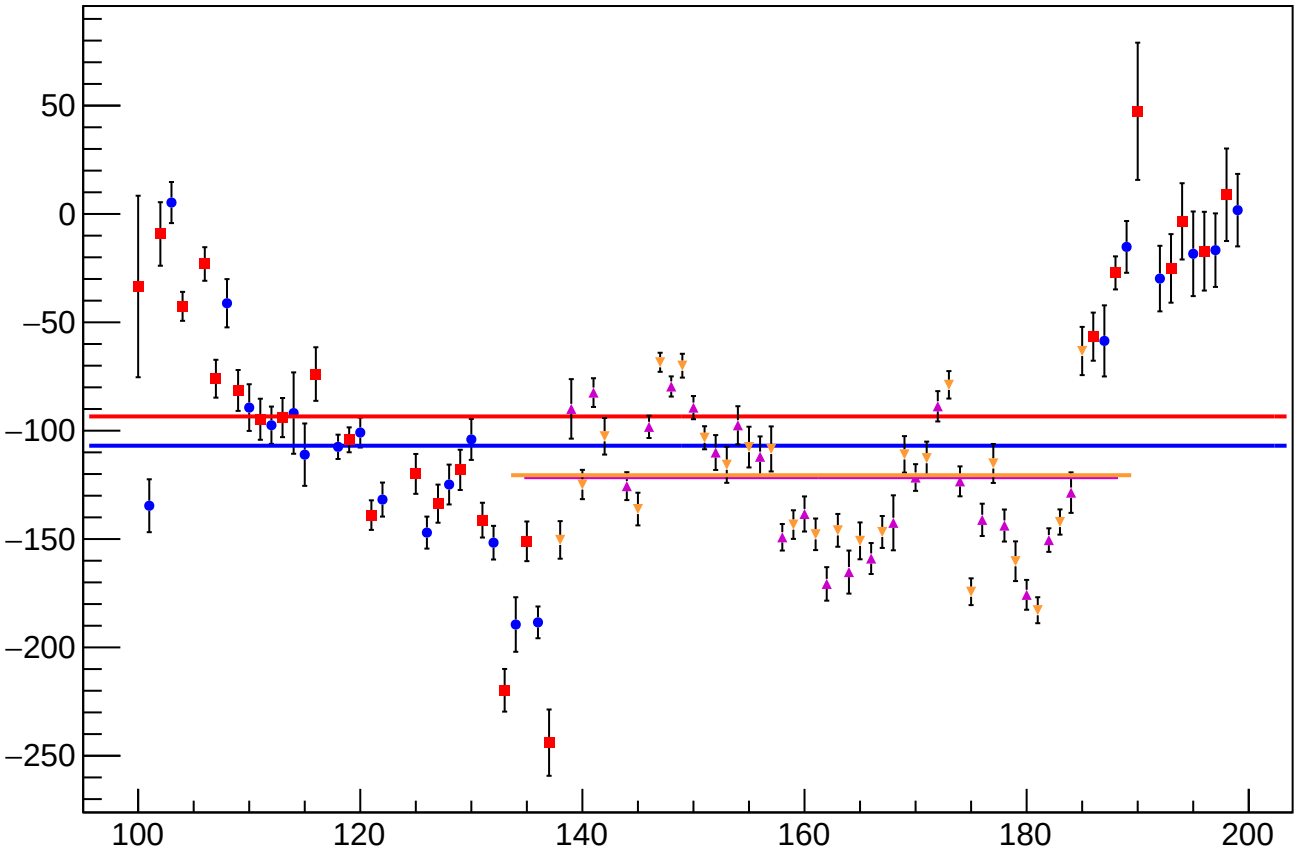
Left: -382.922+/-1.183 χ^2/NDF: 4985.4/46

Right: -412.786+/-1.135 χ^2/NDF: 14411.1/46

In: -399.082+/-1.213 χ^2/NDF:6884.0/44

Out: -397.975+/-1.110 χ^2/NDF:12844.0/48

All: -398.480+/-0.819 χ^2/NDF: 19728.4/93



Right In: -106.936+/-2.074 χ^2/NDF: 613.7/21

Left Out: -120.541+/-1.435 χ^2/NDF:611.5/23

Right Out: -93.425+/-1.933 χ^2/NDF: 796.2/24

Left In: -121.453+/-1.450 χ^2/NDF:432.6/22

Left: -120.992+/-1.020 χ^2/NDF: 1044.3/46

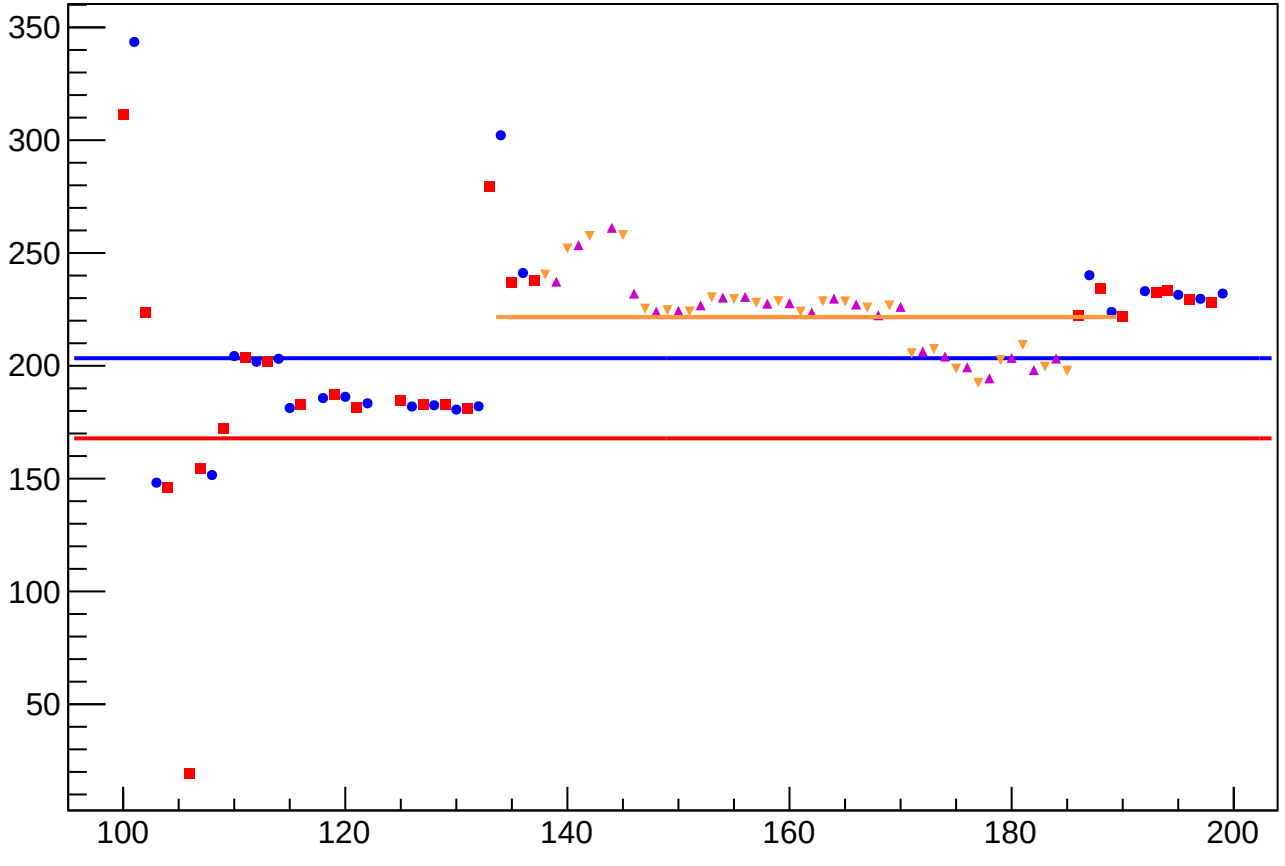
Right: -99.706+/-1.414 χ^2/NDF: 1432.6/46

In: -116.689+/-1.188 χ^2/NDF:1079.3/44

Out: -110.907+/-1.152 χ^2/NDF:1534.5/48

All: -113.709+/-0.827 χ^2/NDF: 2626.0/93

reg_asym_us_avg_at2lr_avg_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 203.368+/-0.110 χ^2/NDF: 195647.4/21

Left Out: 221.652+/-0.067 χ^2/NDF:67213.0/23

Right Out: 167.845+/-0.098 χ^2/NDF: 611263.9/24

Left In: 221.574+/-0.066 χ^2/NDF:62122.0/22

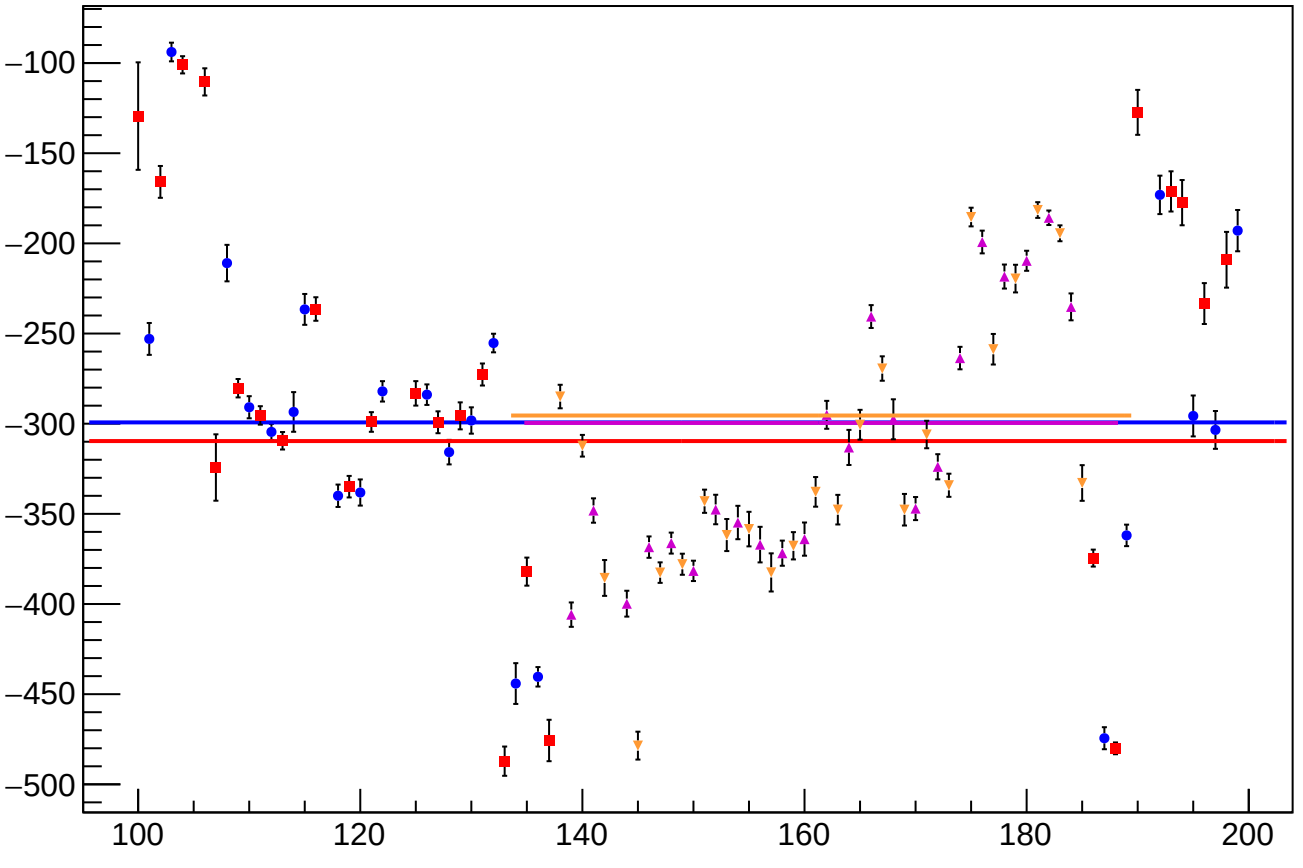
Left: 221.612+/-0.047 χ^2/NDF: 129335.7/46

Right: 183.585+/-0.073 χ^2/NDF: 865300.5/46

In: 216.713+/-0.057 χ^2/NDF:277954.9/44

Out: 204.592+/-0.055 χ^2/NDF:884947.8/48

All: 210.481+/-0.040 χ^2/NDF: 1186410.1/93



Right In: -299.281+/-1.453 χ^2/NDF: 3909.9/21

Left Out: -295.464+/-1.393 χ^2/NDF:3346.3/23

Right Out: -309.635+/-1.306 χ^2/NDF: 7385.5/24

Left In: -299.588+/-1.397 χ^2/NDF:2971.7/22

Left: -297.520+/-0.986 χ^2/NDF: 6322.4/46

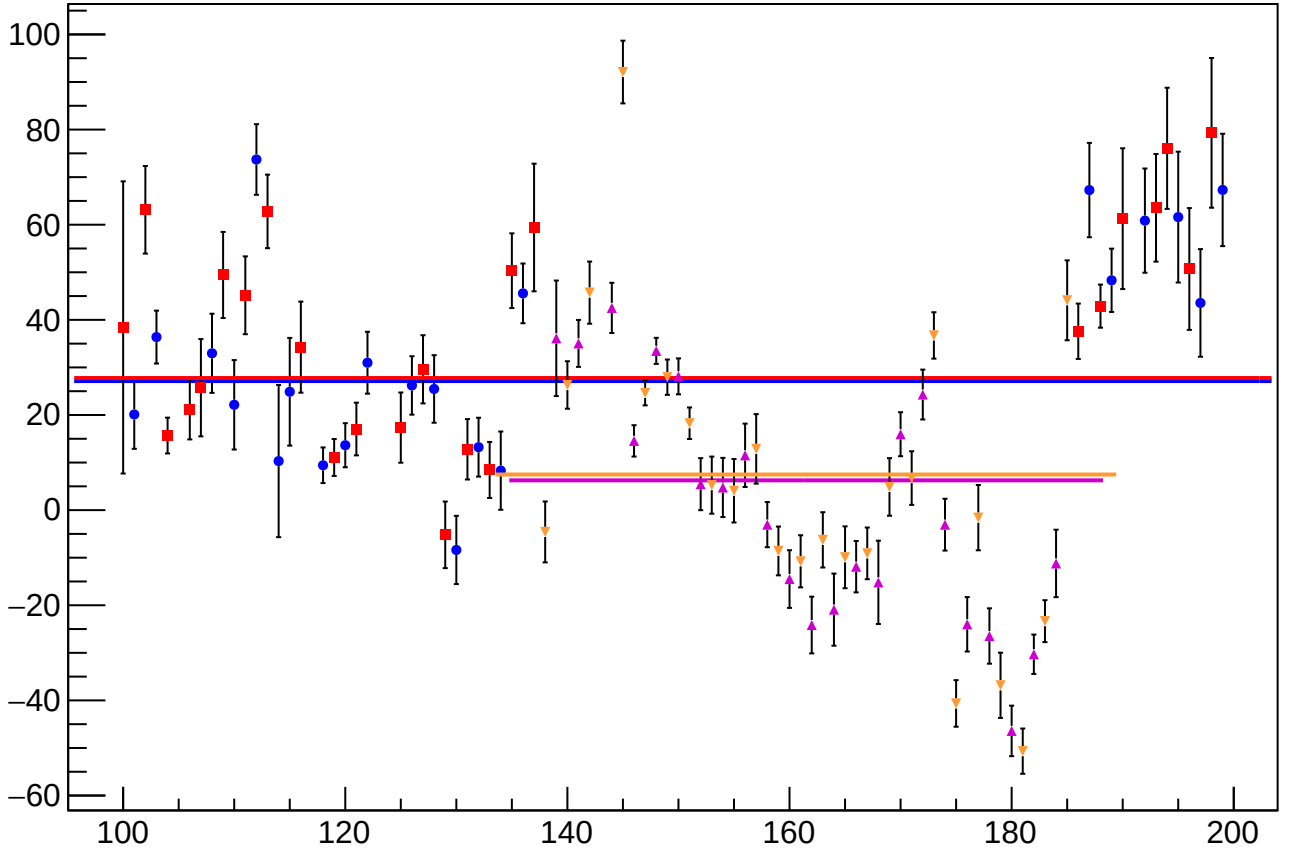
Right: -305.010+/-0.971 χ^2/NDF: 11323.5/46

In: -299.441+/-1.007 χ^2/NDF:6881.7/44

Out: -303.005+/-0.953 χ^2/NDF:10786.9/48

All: -301.322+/-0.692 χ^2/NDF: 17675.2/93

reg_asym_us_avg_atlr_avg_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 27.132+/-1.504 χ^2/NDF: 175.6/21

Left Out: 7.486+/-1.030 χ^2/NDF:738.5/23

Right Out: 27.767+/-1.397 χ^2/NDF: 191.7/24

Left In: 6.259+/-1.045 χ^2/NDF:559.4/22

Left: 6.881+/-0.733 χ^2/NDF: 1298.6/46

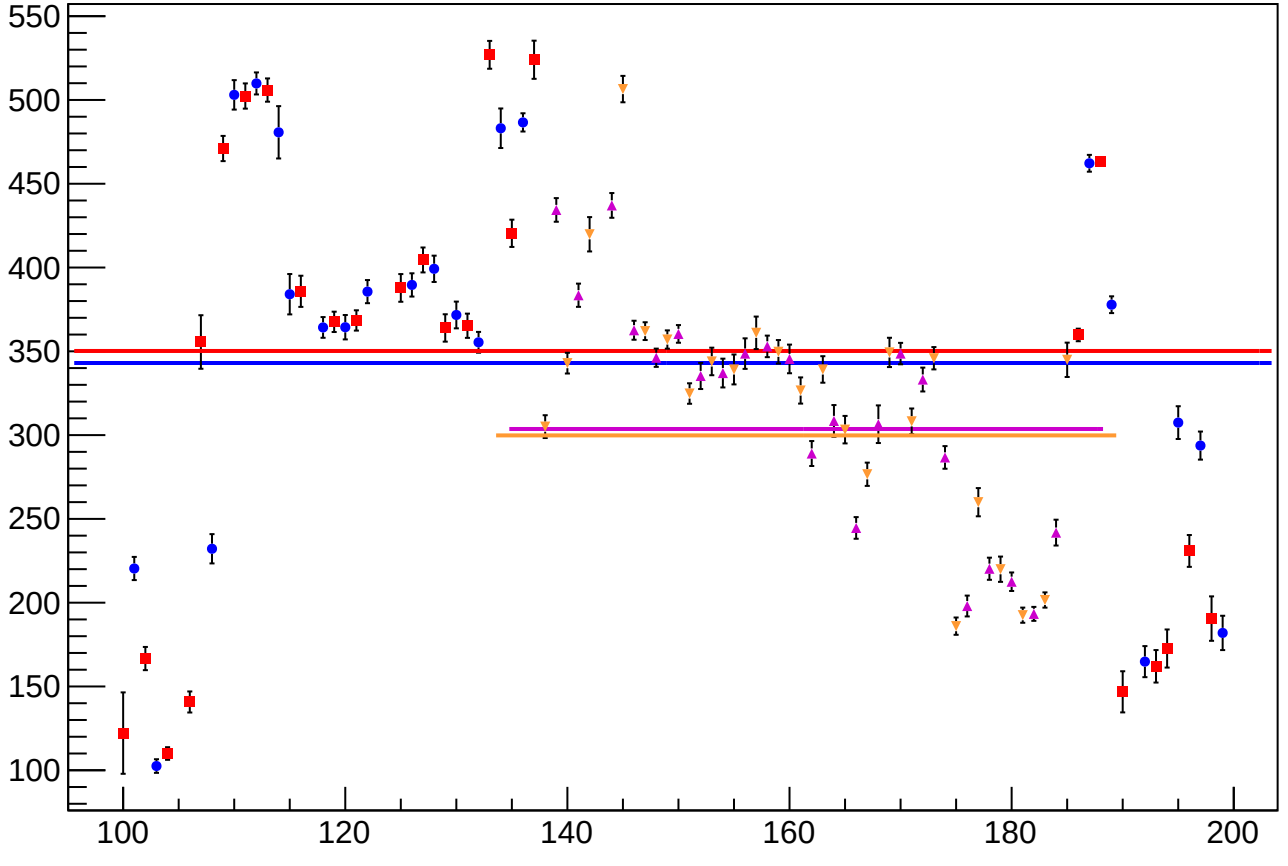
Right: 27.473+/-1.023 χ^2/NDF: 367.4/46

In: 13.054+/-0.858 χ^2/NDF:864.9/44

Out: 14.627+/-0.829 χ^2/NDF:1066.8/48

All: 13.868+/-0.596 χ^2/NDF: 1933.4/93

reg_asym_us_avg_atlr_avg_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 343.032+/-1.486 χ^2/NDF: 7326.6/21

Left Out: 299.825+/-1.381 χ^2/NDF:3076.1/23

Right Out: 350.209+/-1.285 χ^2/NDF: 11054.5/24

Left In: 303.652+/-1.383 χ^2/NDF:2872.6/22

Left: 301.736+/-0.977 χ^2/NDF: 5952.5/46

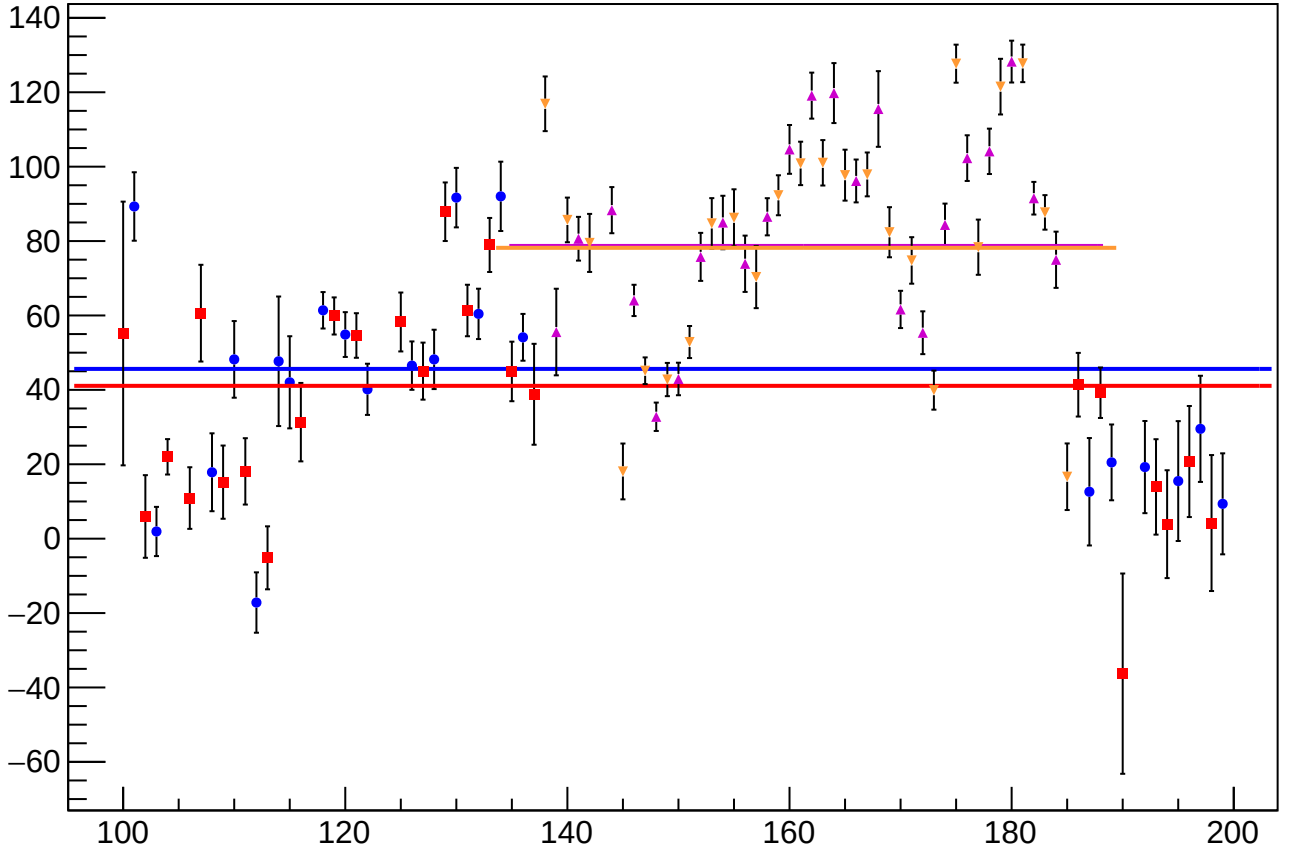
Right: 347.138+/-0.972 χ^2/NDF: 18394.5/46

In: 321.920+/-1.012 χ^2/NDF:10575.6/44

Out: 326.821+/-0.941 χ^2/NDF:14843.8/48

All: 324.549+/-0.689 χ^2/NDF: 25431.9/93

reg_asym_us_avg_atlr_avg_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 45.636+/-1.775 χ^2/NDF: 239.0/21

Left Out: 78.181+/-1.185 χ^2/NDF:663.3/23

Right Out: 41.083+/-1.684 χ^2/NDF: 206.9/24

Left In: 78.689+/-1.195 χ^2/NDF:488.6/22

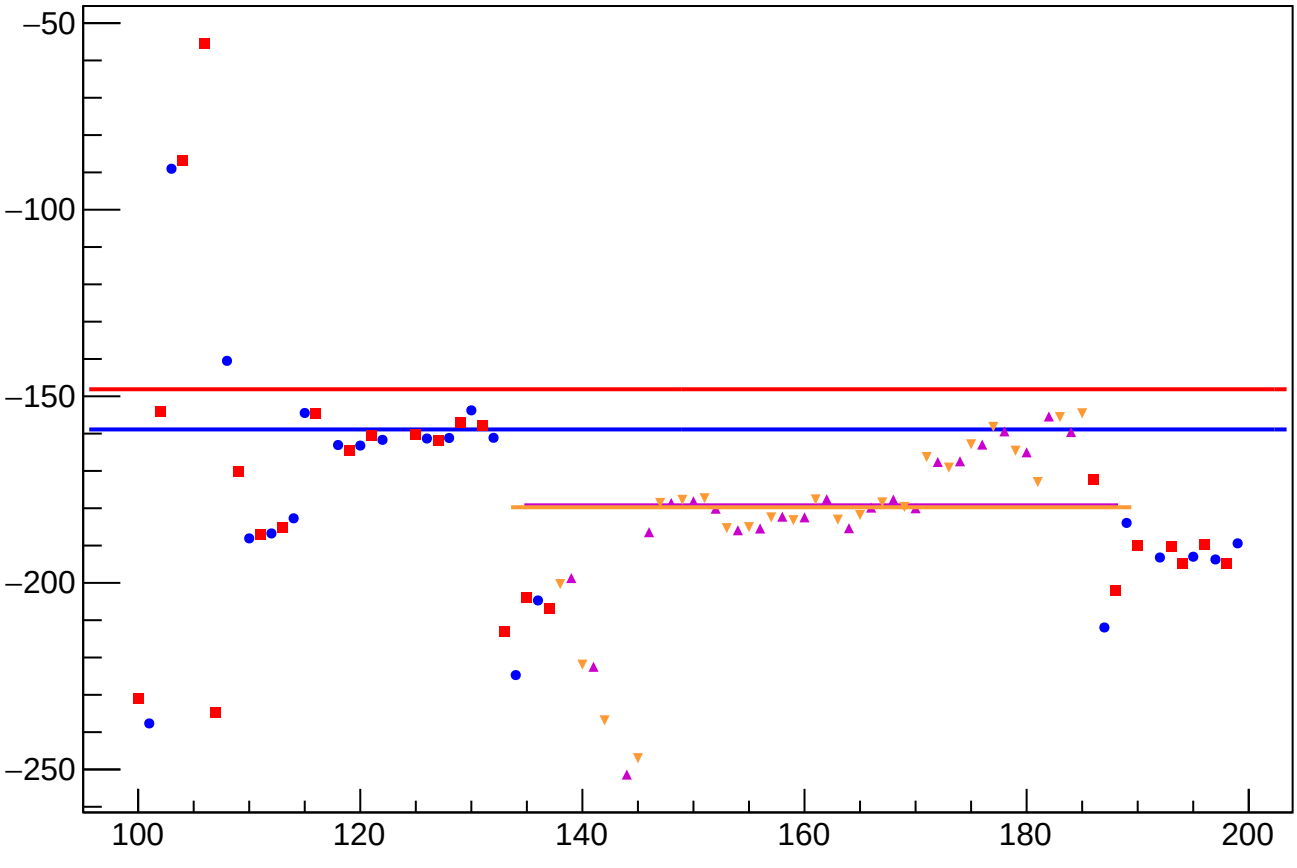
Left: 78.433+/-0.841 χ^2/NDF: 1152.0/46

Right: 43.240+/-1.222 χ^2/NDF: 449.4/46

In: 68.383+/-0.991 χ^2/NDF:966.2/44

Out: 65.905+/-0.969 χ^2/NDF:1194.8/48

All: 67.116+/-0.693 χ^2/NDF: 2164.2/93



Right In: -158.883+/-0.089 χ^2/NDF: 295524.7/21

Left Out: -179.738+/-0.055 χ^2/NDF:132199.5/23

Right Out: -148.117+/-0.085 χ^2/NDF: 397604.7/24

Left In: -179.219+/-0.055 χ^2/NDF:113522.5/22

Left: -179.476+/-0.039 χ^2/NDF: 245767.0/46

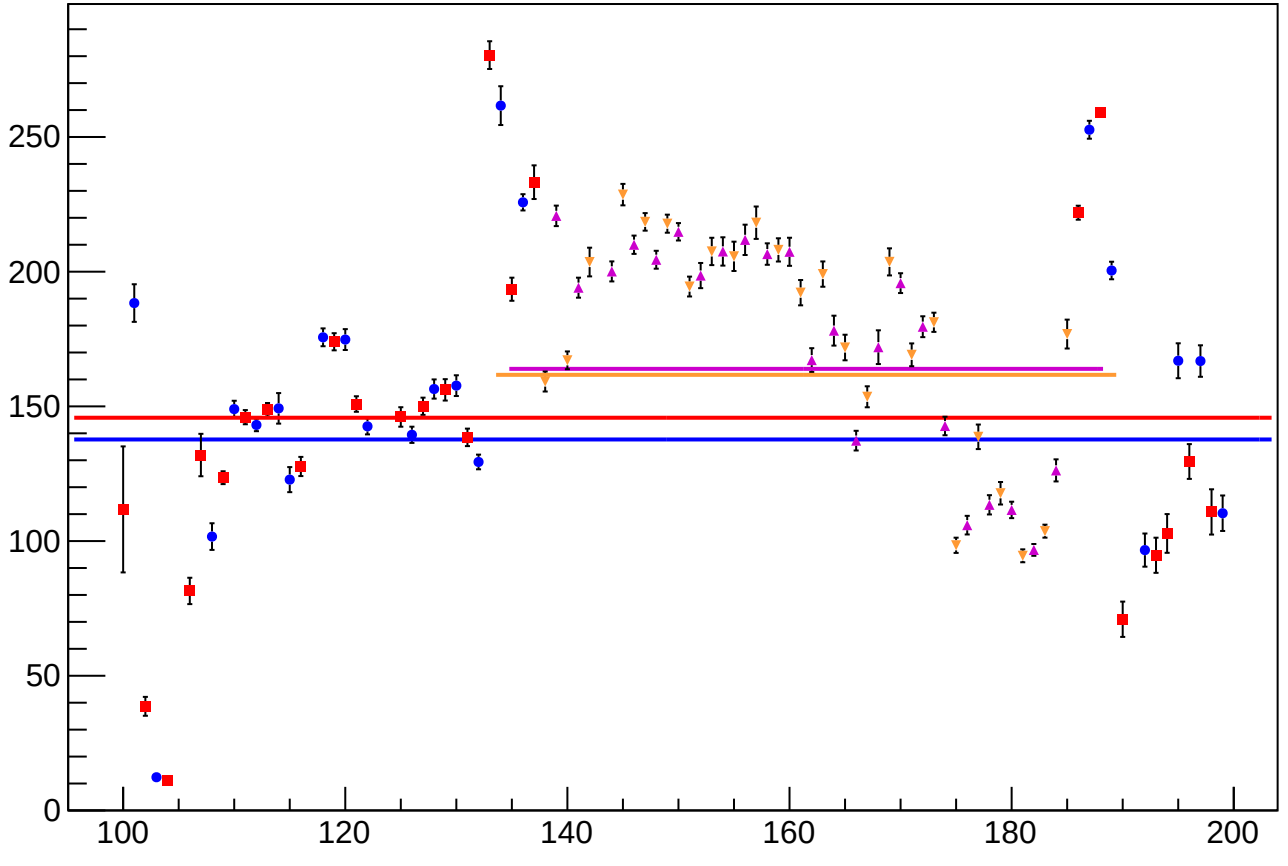
Right: -153.250+/-0.062 χ^2/NDF: 700757.9/46

In: -173.685+/-0.047 χ^2/NDF:446917.9/44

Out: -170.424+/-0.046 χ^2/NDF:627170.8/48

All: -172.044+/-0.033 χ^2/NDF: 1076562.9/93

reg_asym_us_avg_atlr_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 137.714+/-0.744 χ^2/NDF: 8008.2/21

Left Out: 161.708+/-0.776 χ^2/NDF:3587.3/23

Right Out: 145.785+/-0.668 χ^2/NDF: 13029.7/24

Left In: 163.927+/-0.779 χ^2/NDF:3335.5/22

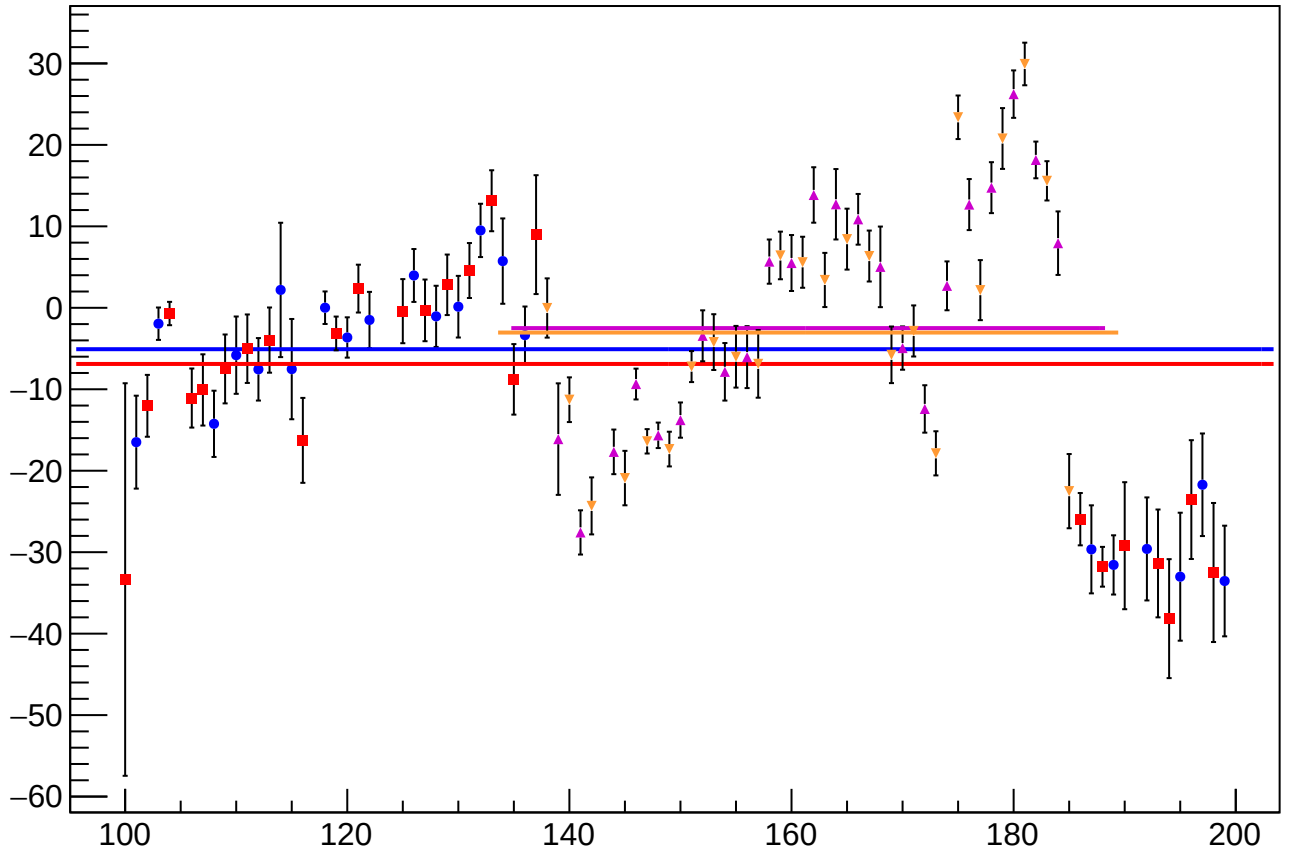
Left: 162.813+/-0.550 χ^2/NDF: 6926.9/46

Right: 142.183+/-0.497 χ^2/NDF: 21103.1/46

In: 150.208+/-0.538 χ^2/NDF:11935.9/44

Out: 152.556+/-0.506 χ^2/NDF:16858.8/48

All: 151.454+/-0.369 χ^2/NDF: 28804.8/93



Right In: -5.081+/-0.781 χ^2/NDF: 182.0/21

Left Out: -3.038+/-0.578 χ^2/NDF:654.5/23

Right Out: -6.892+/-0.700 χ^2/NDF: 292.1/24

Left In: -2.492+/-0.587 χ^2/NDF:562.9/22

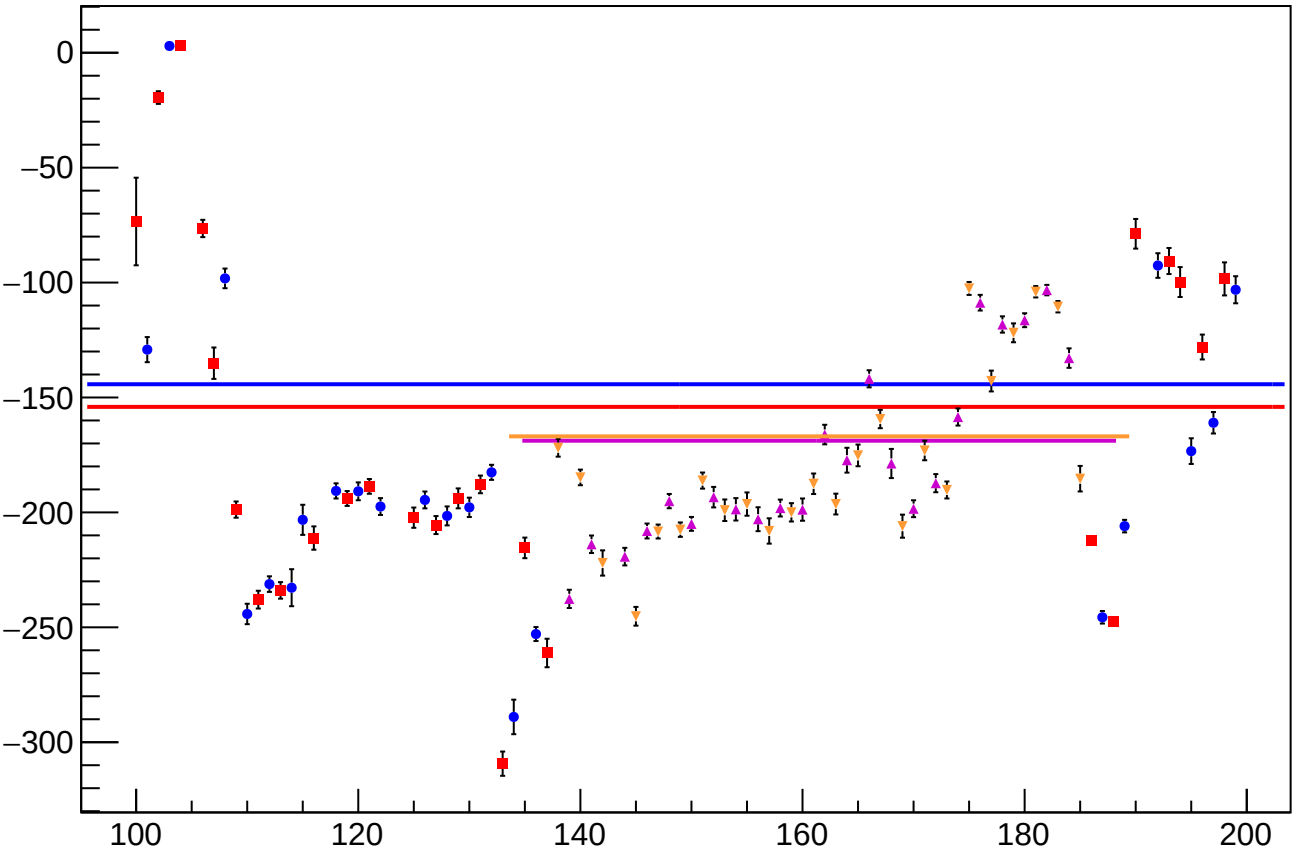
Left: -2.769+/-0.412 χ^2/NDF: 1217.8/46

Right: -6.085+/-0.521 χ^2/NDF: 477.0/46

In: -3.427+/-0.469 χ^2/NDF:751.9/44

Out: -4.601+/-0.446 χ^2/NDF:964.6/48

All: -4.044+/-0.323 χ^2/NDF: 1719.8/93



Right In: -144.240+/-0.744 χ^2/NDF: 17062.0/21

Left Out: -166.912+/-0.771 χ^2/NDF:3096.2/23

Right Out: -154.087+/-0.648 χ^2/NDF: 23585.4/24

Left In: -168.810+/-0.772 χ^2/NDF:3059.5/22

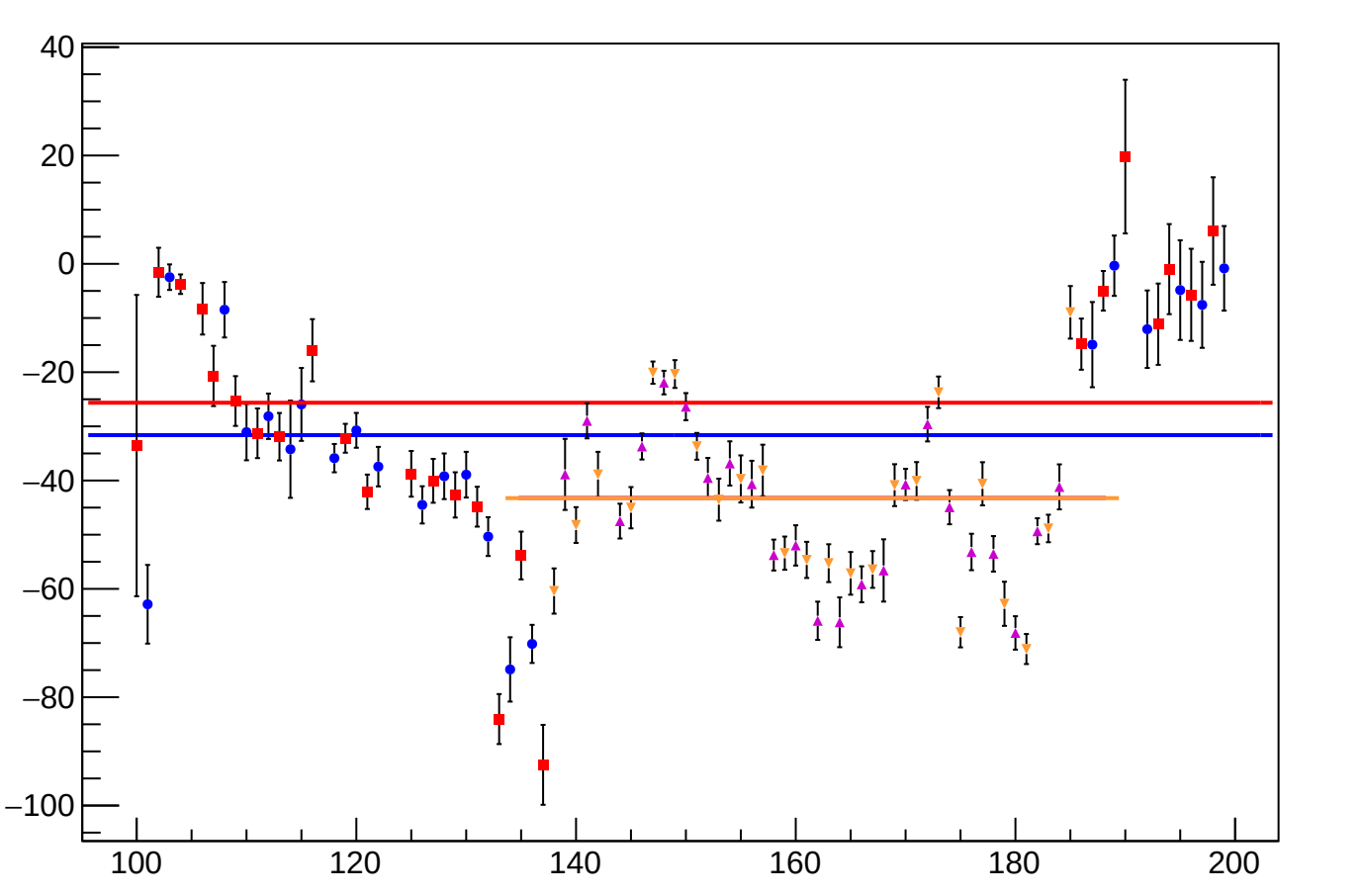
Left: -167.859+/-0.546 χ^2/NDF: 6158.8/46

Right: -149.837+/-0.489 χ^2/NDF: 40747.0/46

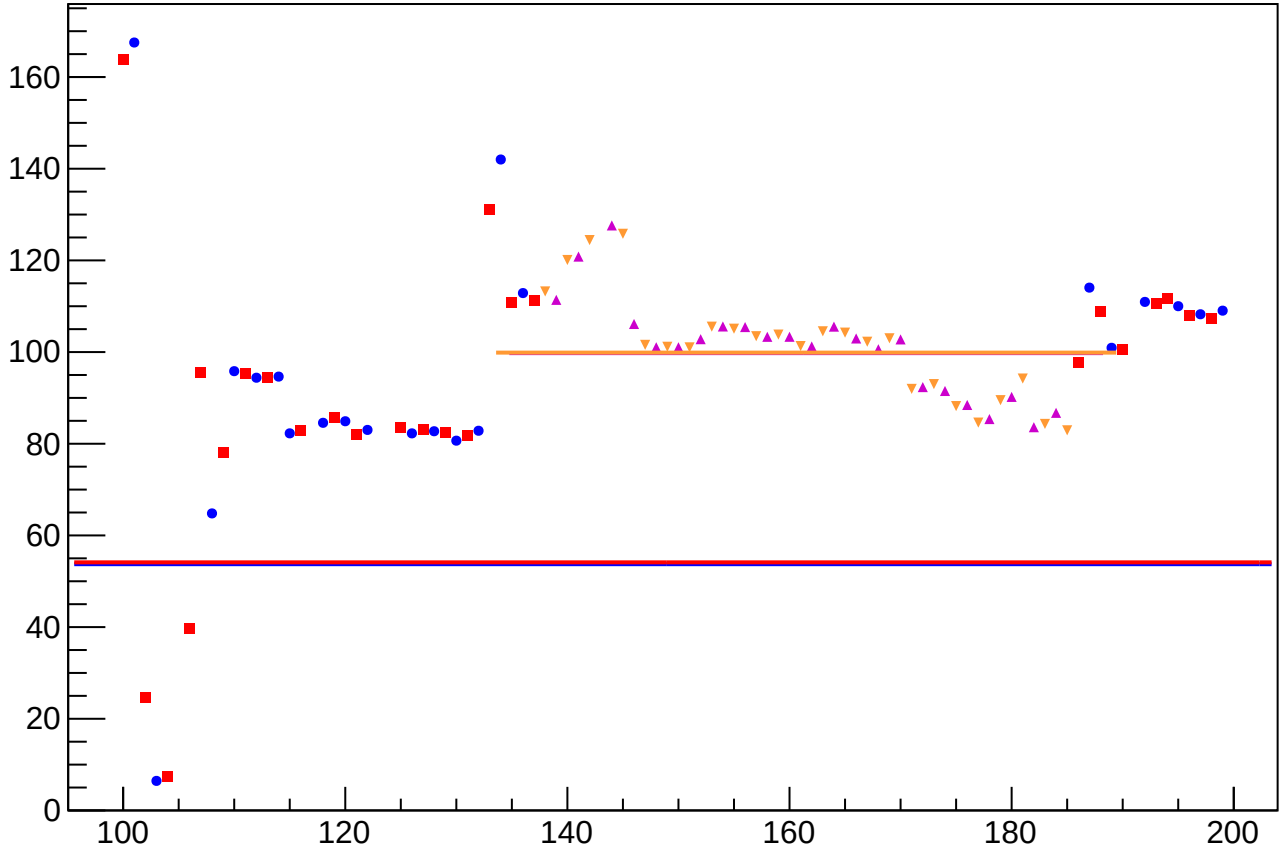
In: -156.067+/-0.536 χ^2/NDF:20646.3/44

Out: -159.402+/-0.496 χ^2/NDF:26843.8/48

All: -157.863+/-0.364 χ^2/NDF: 47510.9/93


reg_asym_us_avg_atlr_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
40
20
0
−20
−40
−60
−80
−100
100
120
140
160
180
200
Right In: -31.618+/-0.921 χ²/NDF: 495.7/21
Left Out: -43.251+/-0.664 χ²/NDF:610.2/23
Right Out: -25.637+/-0.846 χ²/NDF: 653.5/24
Left In: -43.207+/-0.670 χ²/NDF:405.8/22
Left: -43.229+/-0.472 χ²/NDF: 1016.0/46
Right: -28.376+/-0.623 χ²/NDF: 1172.1/46
In: -39.195+/-0.542 χ²/NDF:1005.1/44
Out: -36.538+/-0.522 χ²/NDF:1531.9/48
All: -37.818+/-0.376 χ²/NDF: 2549.5/93

reg_asym_us_avg_atlr_avg_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 53.727+/-0.041 χ^2/NDF: 1386117.3/21

Left Out: 99.881+/-0.031 χ^2/NDF:123588.1/23

Right Out: 54.127+/-0.041 χ^2/NDF: 1161983.3/24

Left In: 99.769+/-0.031 χ^2/NDF:113501.0/22

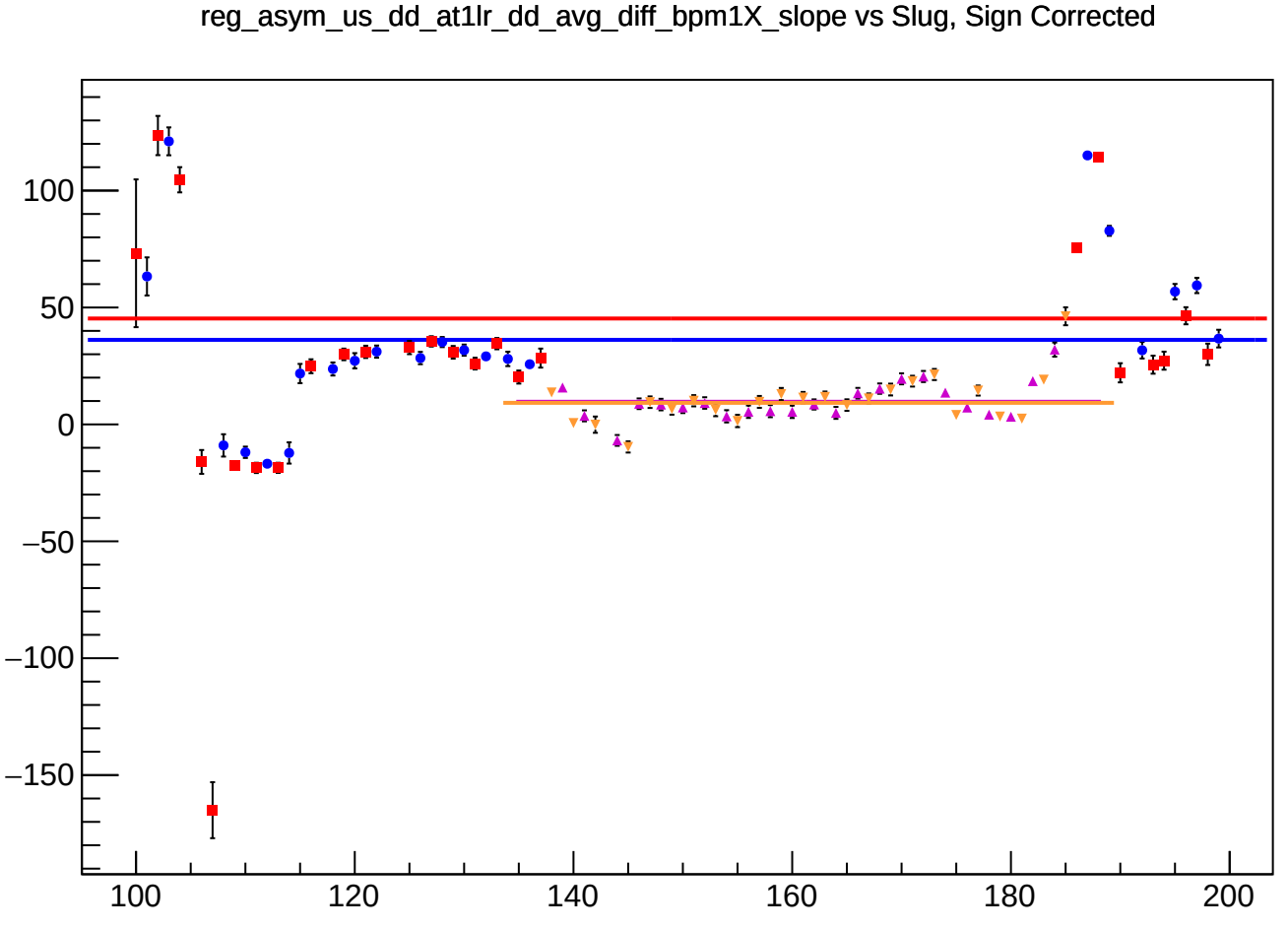
Left: 99.825+/-0.022 χ^2/NDF: 237095.8/46

Right: 53.929+/-0.029 χ^2/NDF: 2548147.5/46

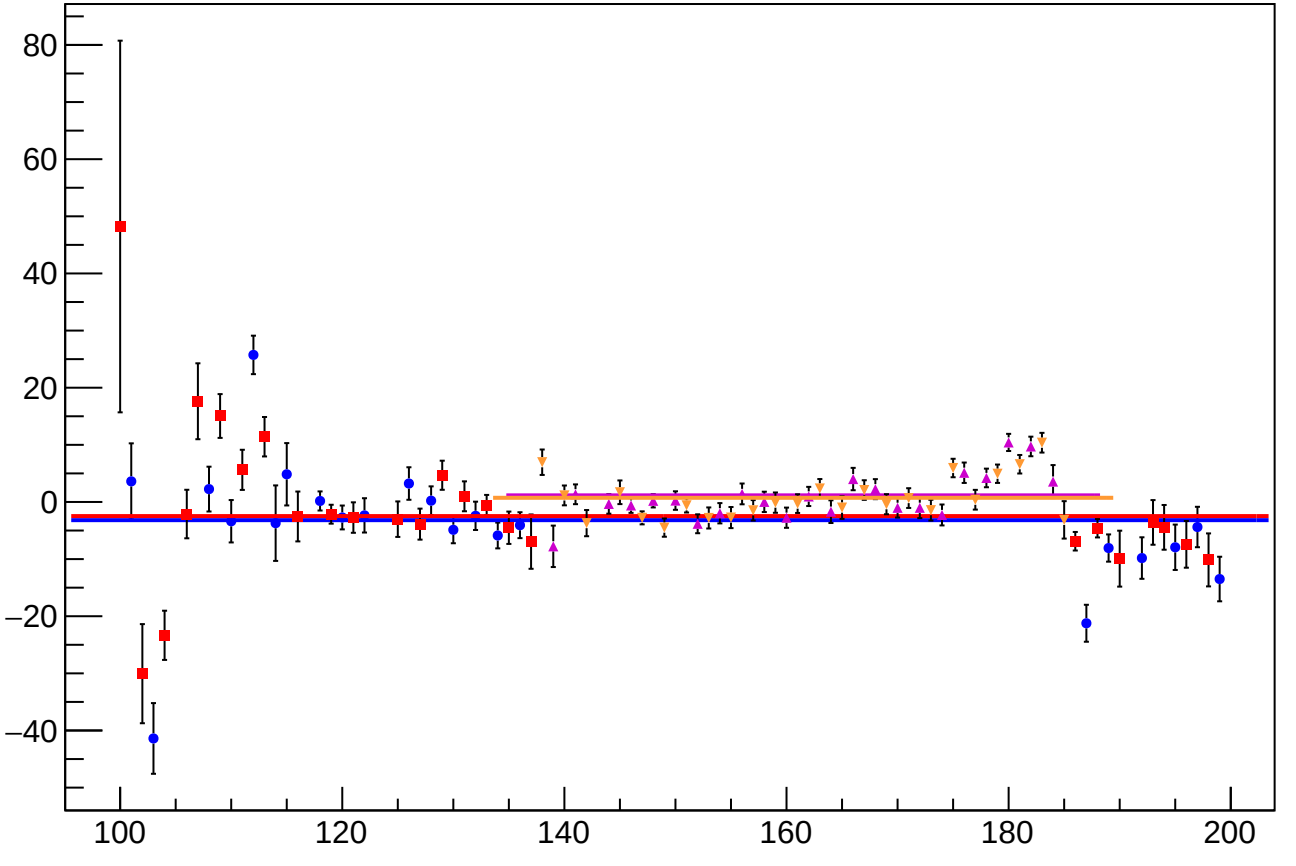
In: 83.583+/-0.025 χ^2/NDF:2298016.9/44

Out: 83.404+/-0.025 χ^2/NDF:2081978.3/48

All: 83.493+/-0.017 χ^2/NDF: 4380021.6/93


reg_asym_us_dd_at1lr_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected
100
50
0
−50
−100
−150
100
120
140
160
180
200
Right In: 36.166+/-0.584 χ²/NDF: 3740.3/21
Left Out: 9.228+/-0.456 χ²/NDF:327.5/23
Right Out: 45.292+/-0.515 χ²/NDF: 7789.8/24
Left In: 9.676+/-0.462 χ²/NDF:246.7/22
Left: 9.449+/-0.325 χ²/NDF: 574.7/46
Right: 41.306+/-0.386 χ²/NDF: 11667.4/46
In: 19.873+/-0.363 χ²/NDF:5250.5/44
Out: 25.105+/-0.341 χ²/NDF:10865.7/48
All: 22.646+/-0.249 χ²/NDF: 16226.6/93

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -3.184+/-0.620 χ^2/NDF: 177.5/21

Left Out: 0.730+/-0.350 χ^2/NDF:109.7/23

Right Out: -2.472+/-0.577 χ^2/NDF: 116.1/24

Left In: 1.156+/-0.358 χ^2/NDF:110.4/22

Left: 0.939+/-0.250 χ^2/NDF: 220.9/46

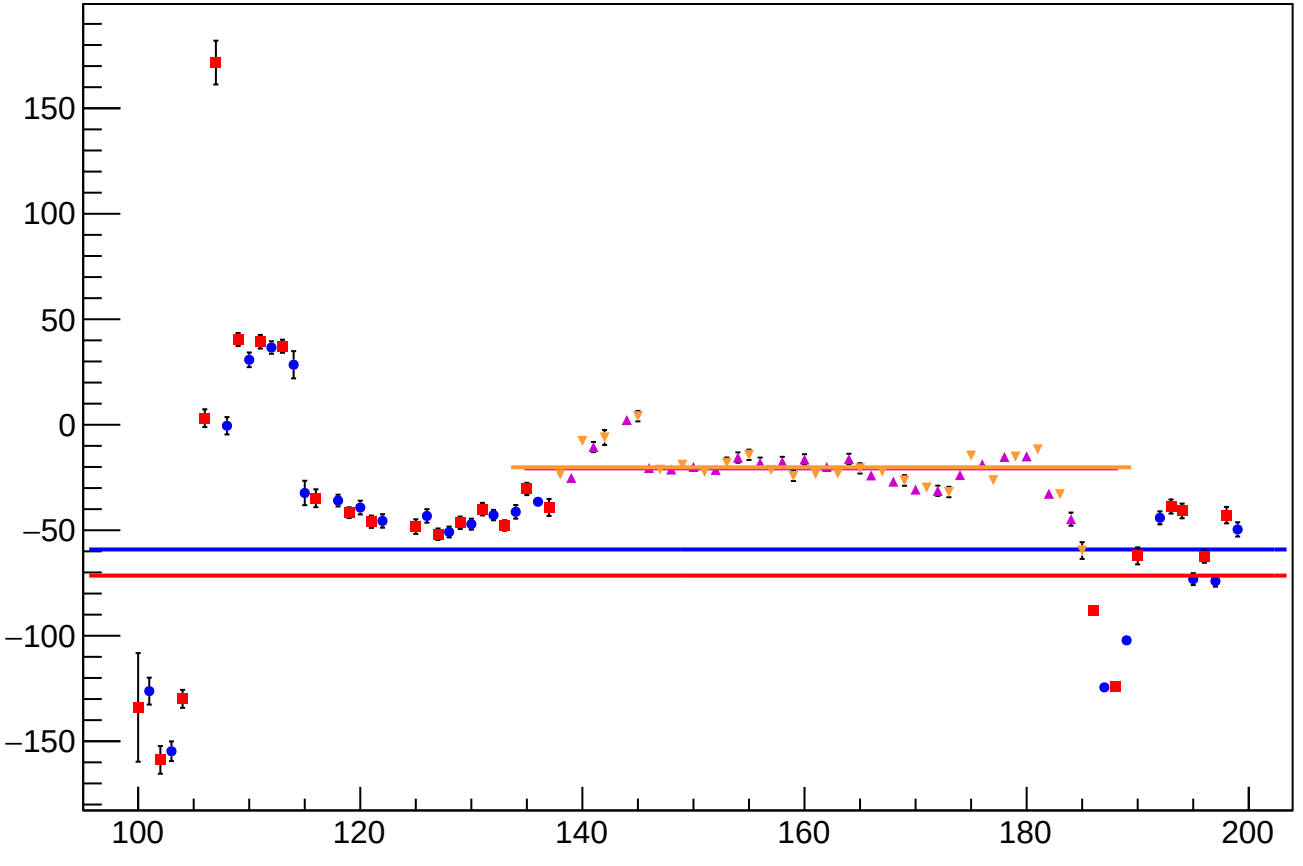
Right: -2.802+/-0.422 χ^2/NDF: 294.3/46

In: 0.073+/-0.310 χ^2/NDF:324.7/44

Out: -0.130+/-0.299 χ^2/NDF:248.4/48

All: -0.032+/-0.215 χ^2/NDF: 573.3/93

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -59.112+/-0.601 χ^2/NDF: 5309.9/21

Left Out: -20.151+/-0.452 χ^2/NDF:420.3/23

Right Out: -71.493+/-0.500 χ^2/NDF: 9507.4/24

Left In: -20.683+/-0.458 χ^2/NDF:310.5/22

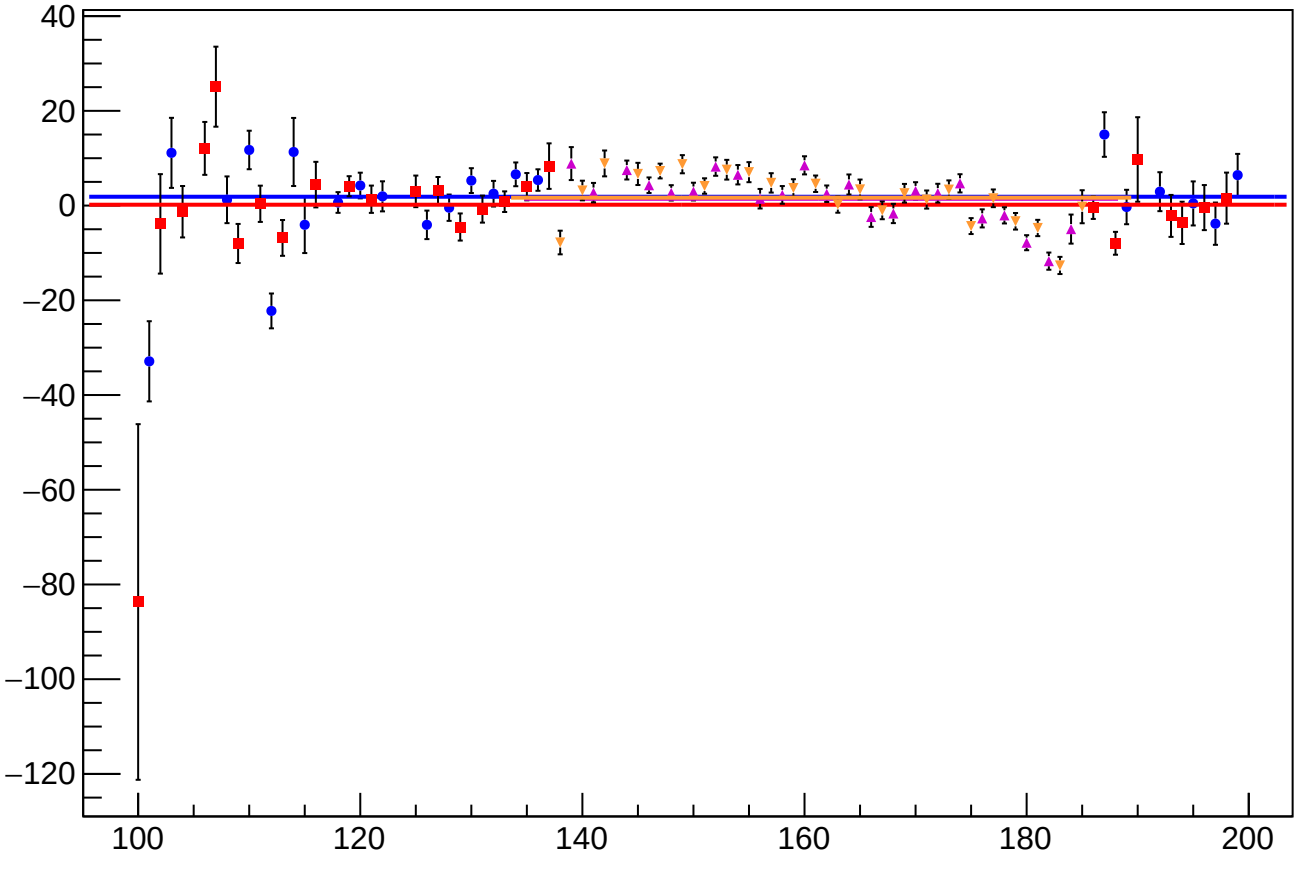
Left: -20.414+/-0.322 χ^2/NDF: 731.5/46

Right: -66.428+/-0.384 χ^2/NDF: 15068.4/46

In: -34.801+/-0.364 χ^2/NDF:8211.1/44

Out: -43.280+/-0.335 χ^2/NDF:15728.9/48

All: -39.386+/-0.247 χ^2/NDF: 24233.4/93



Right In: 1.864+/-0.725 χ^2/NDF: 94.3/21

Left Out: 1.671+/-0.395 χ^2/NDF:178.0/23

Right Out: 0.180+/-0.700 χ^2/NDF: 53.1/24

Left In: 1.428+/-0.403 χ^2/NDF:162.8/22

Left: 1.552+/-0.282 χ^2/NDF: 340.9/46

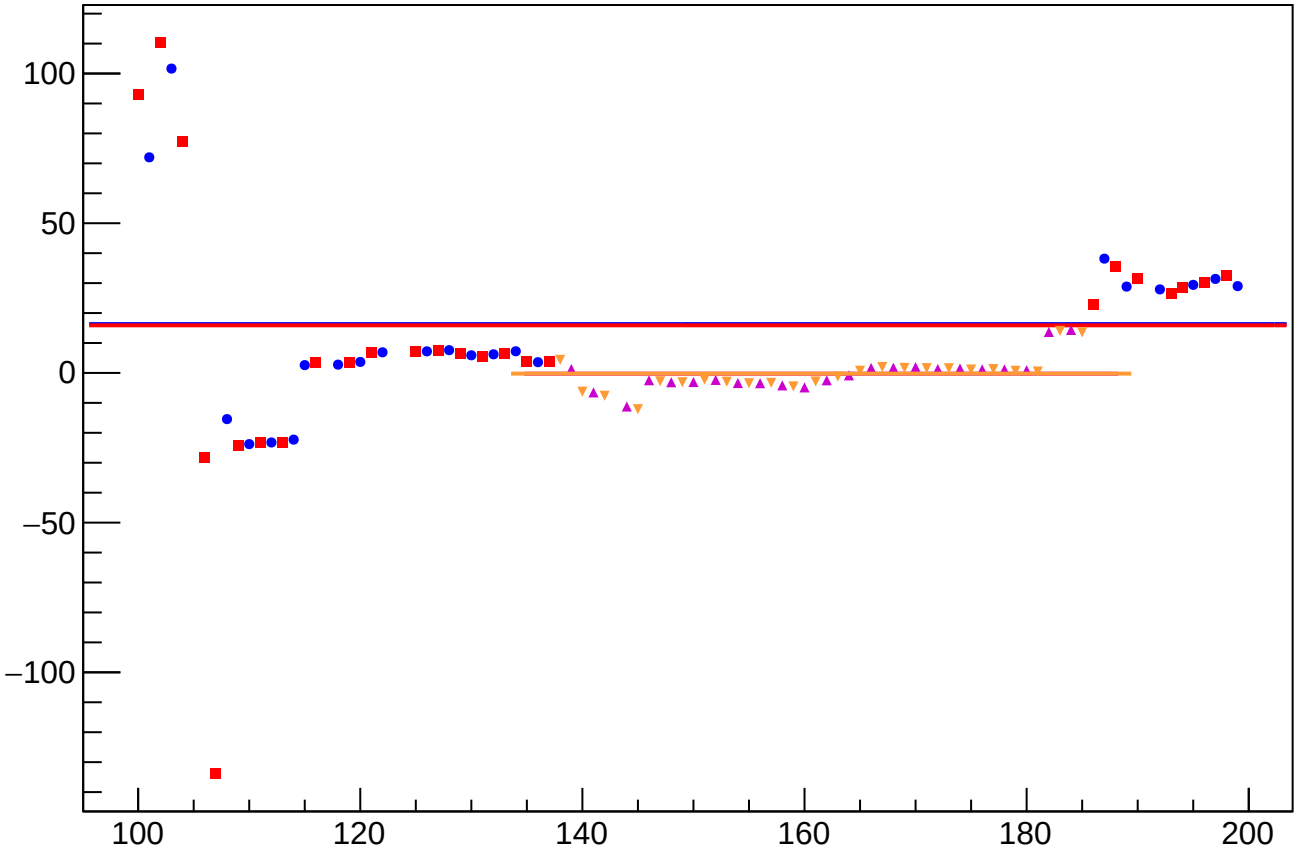
Right: 0.993+/-0.504 χ^2/NDF: 150.2/46

In: 1.531+/-0.352 χ^2/NDF:257.4/44

Out: 1.311+/-0.344 χ^2/NDF:234.5/48

All: 1.418+/-0.246 χ^2/NDF: 492.1/93

reg_asym_us_dd_at1lr_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 16.307+/-0.038 χ^2/NDF: 389996.0/21

Left Out: -0.229+/-0.018 χ^2/NDF:80976.2/23

Right Out: 15.900+/-0.038 χ^2/NDF: 557392.0/24

Left In: -0.270+/-0.018 χ^2/NDF:72783.3/22

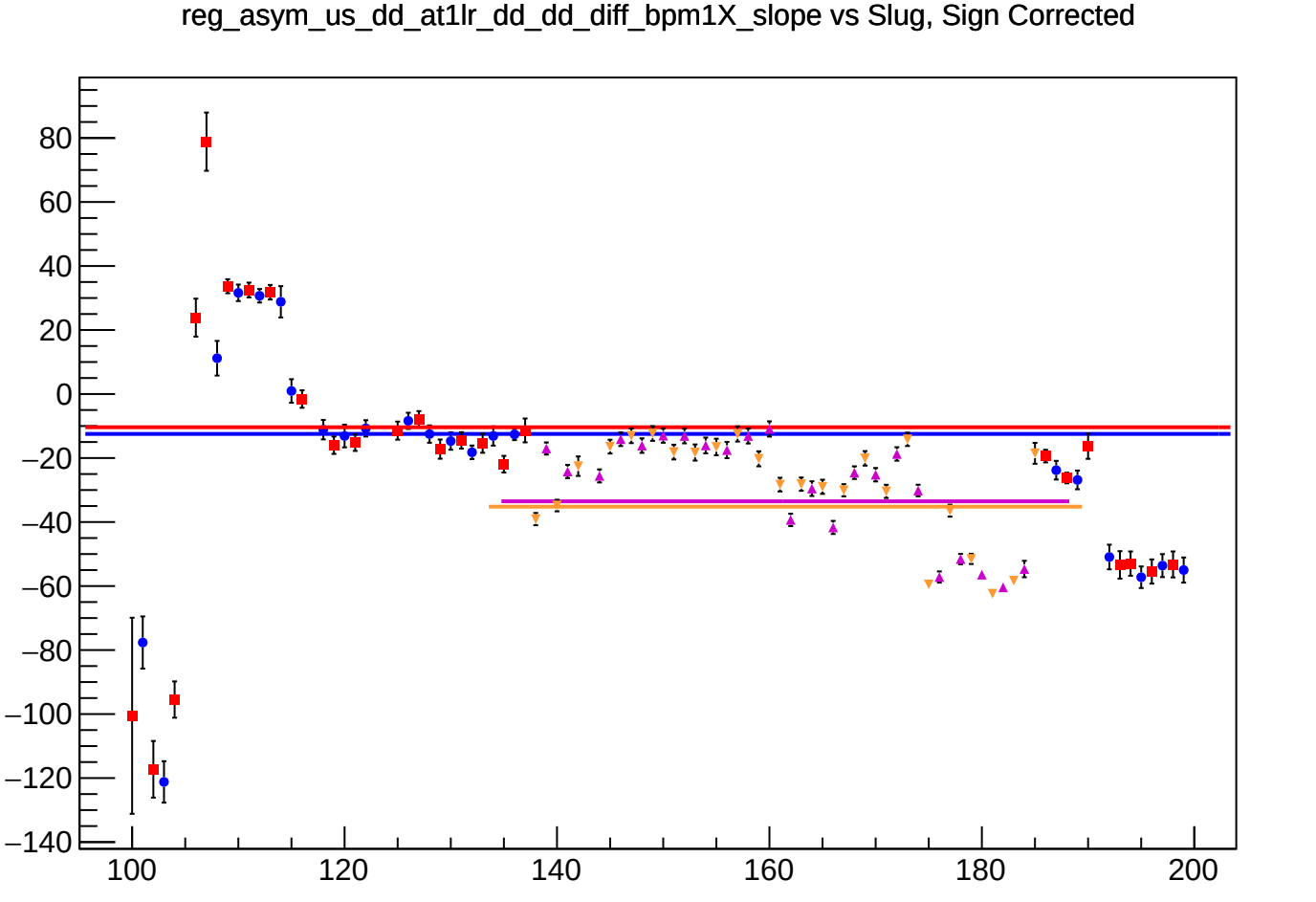
Left: -0.249+/-0.013 χ^2/NDF: 153762.2/46

Right: 16.105+/-0.027 χ^2/NDF: 947444.6/46

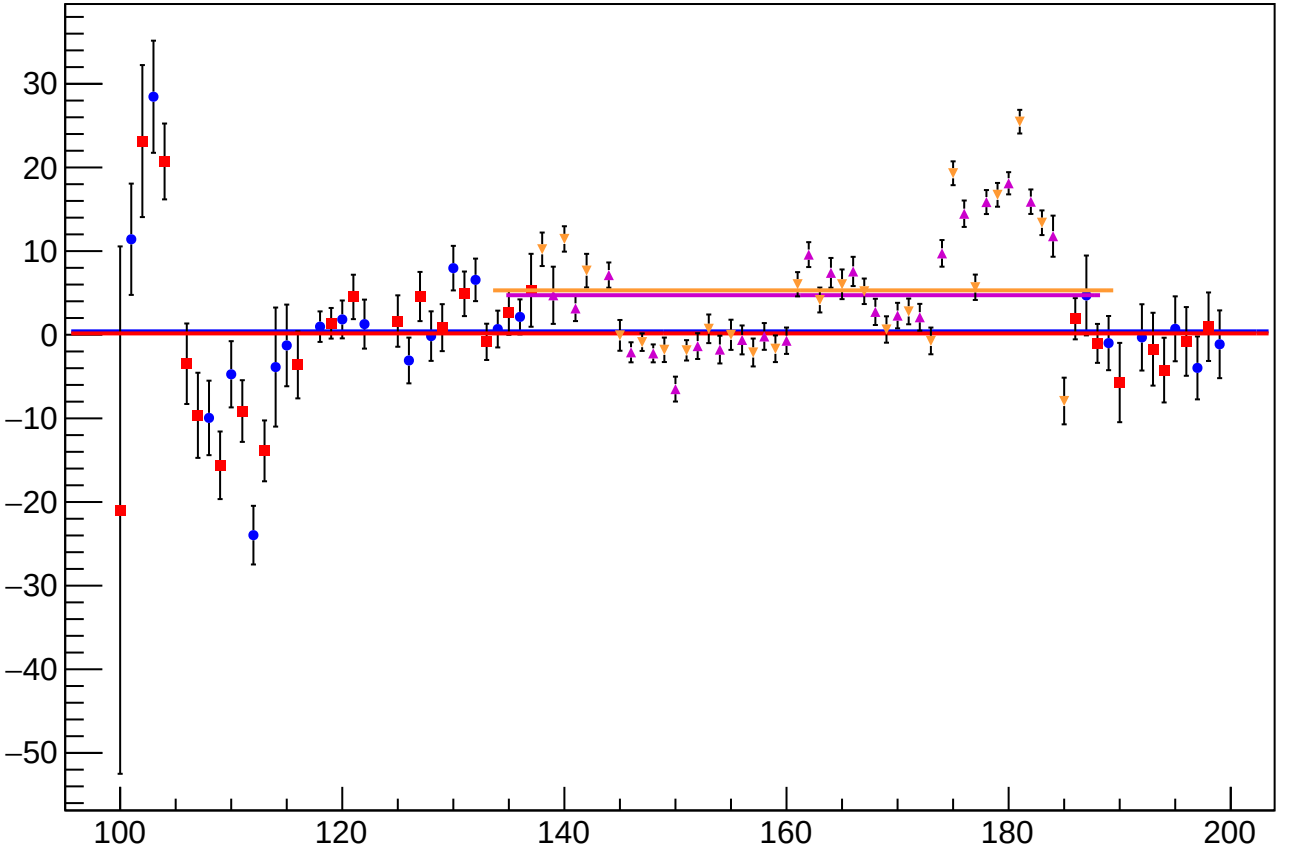
In: 2.679+/-0.016 χ^2/NDF:618142.9/44

Out: 2.582+/-0.016 χ^2/NDF:784138.1/48

All: 2.630+/-0.011 χ^2/NDF: 1402299.0/93


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: -12.467+/-0.632 χ2/NDF: 1730.0/21
Left Out: -35.201+/-0.408 χ2/NDF:1850.7/23
Right Out: -10.382+/-0.585 χ2/NDF: 2246.1/24
Left In: -33.528+/-0.414 χ2/NDF:1806.1/22
Left: -34.376+/-0.291 χ2/NDF: 3665.2/46
Right: -11.345+/-0.429 χ2/NDF: 3982.0/46
In: -27.207+/-0.346 χ2/NDF:4314.2/44
Out: -27.079+/-0.335 χ2/NDF:5306.9/48
All: -27.141+/-0.241 χ2/NDF: 9621.1/93

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.405+/-0.660 χ^2/NDF: 95.5/21

Left Out: 5.307+/-0.315 χ^2/NDF:624.4/23

Right Out: 0.158+/-0.647 χ^2/NDF: 84.2/24

Left In: 4.727+/-0.321 χ^2/NDF:496.0/22

Left: 5.023+/-0.225 χ^2/NDF: 1122.0/46

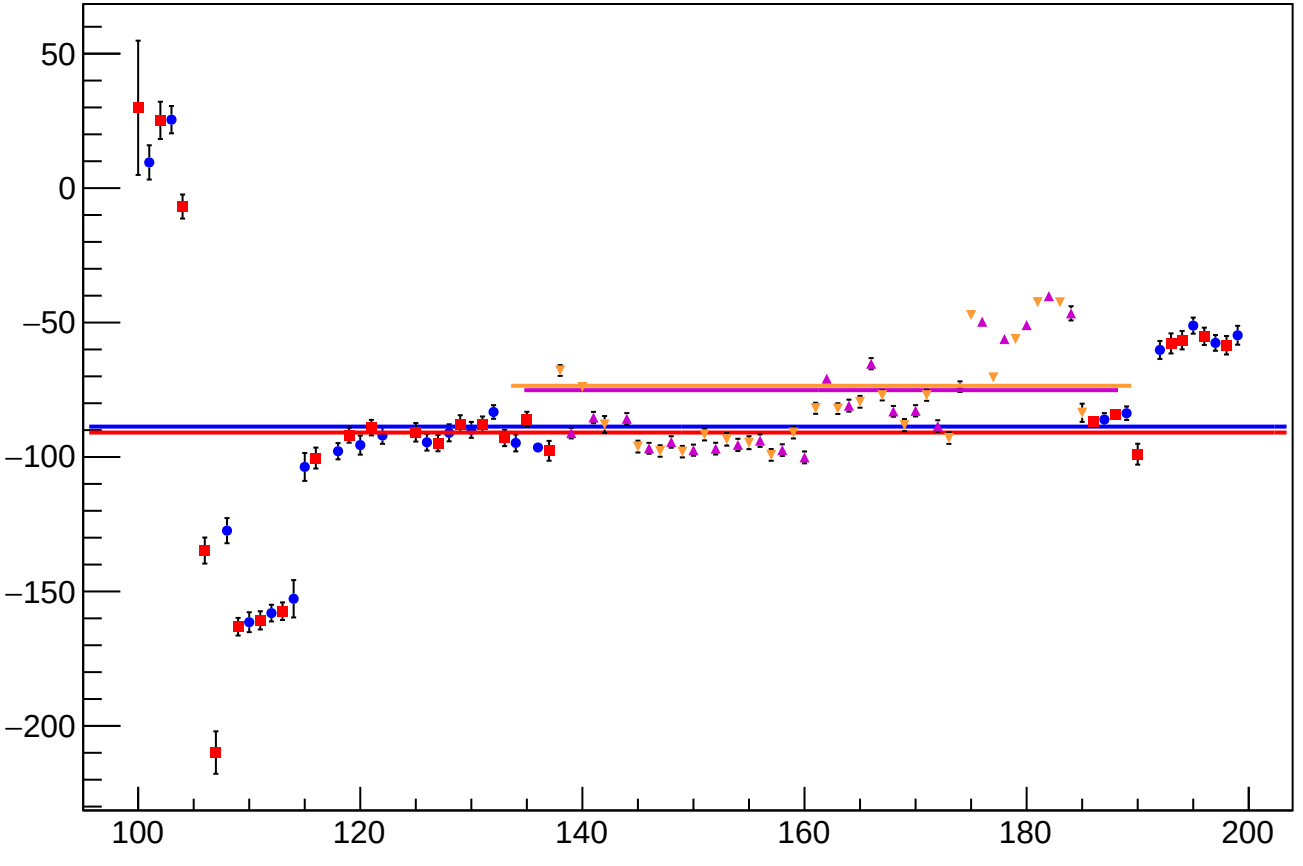
Right: 0.279+/-0.462 χ^2/NDF: 179.8/46

In: 3.900+/-0.289 χ^2/NDF:626.1/44

Out: 4.321+/-0.283 χ^2/NDF:759.8/48

All: 4.115+/-0.202 χ^2/NDF: 1386.9/93

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -88.691+/-0.668 χ^2/NDF: 2277.3/21

Left Out: -73.506+/-0.405 χ^2/NDF:2392.0/23

Right Out: -90.895+/-0.599 χ^2/NDF: 2732.4/24

Left In: -75.133+/-0.410 χ^2/NDF:2361.9/22

Left: -74.310+/-0.288 χ^2/NDF: 4761.8/46

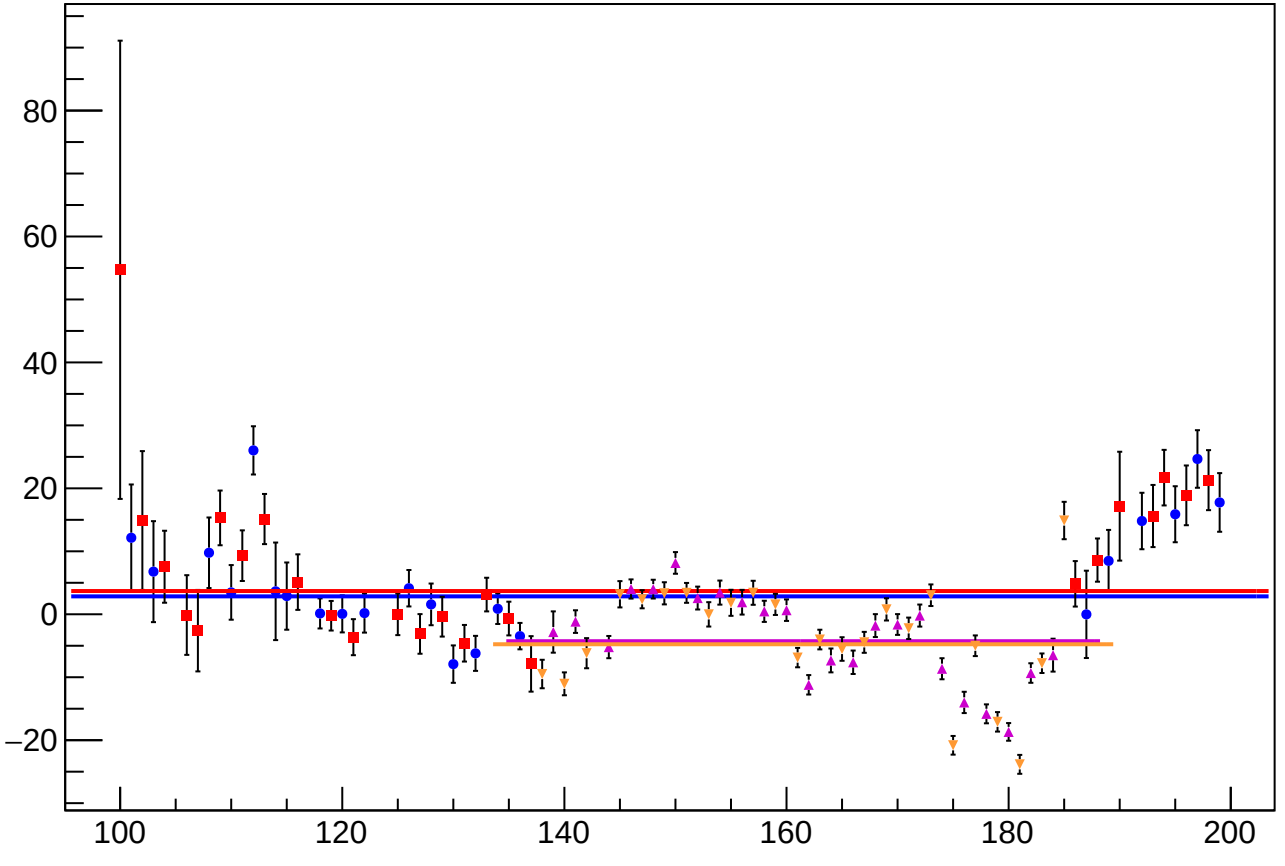
Right: -89.913+/-0.446 χ^2/NDF: 5015.7/46

In: -78.844+/-0.349 χ^2/NDF:4938.6/44

Out: -78.973+/-0.336 χ^2/NDF:5703.1/48

All: -78.911+/-0.242 χ^2/NDF: 10641.7/93

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 2.843+/-0.758 χ^2/NDF: 126.6/21

Left Out: -4.762+/-0.355 χ^2/NDF:576.9/23

Right Out: 3.691+/-0.763 χ^2/NDF: 107.9/24

Left In: -4.278+/-0.361 χ^2/NDF:424.1/22

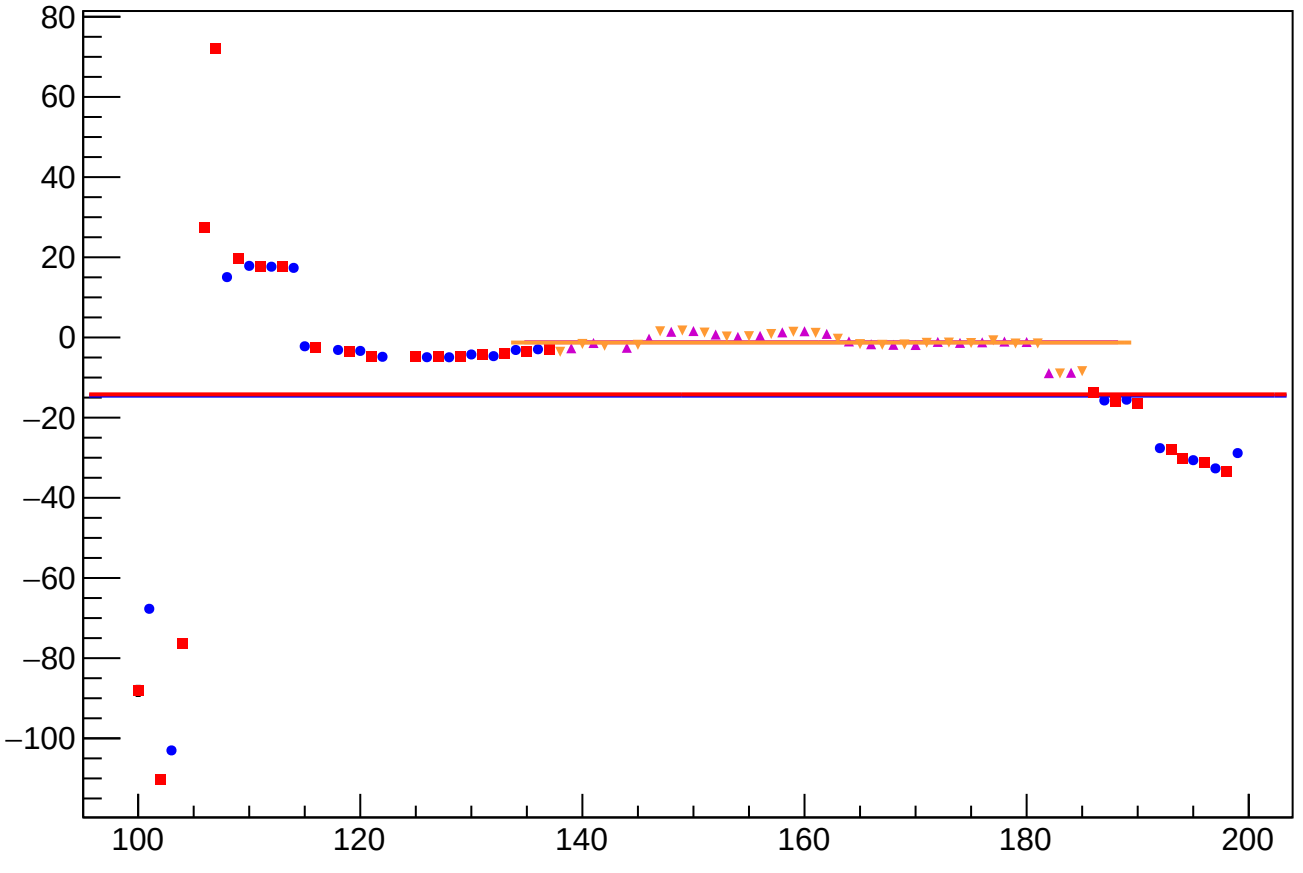
Left: -4.524+/-0.253 χ^2/NDF: 1002.0/46

Right: 3.264+/-0.538 χ^2/NDF: 235.1/46

In: -2.963+/-0.326 χ^2/NDF:622.6/44

Out: -3.258+/-0.322 χ^2/NDF:785.8/48

All: -3.113+/-0.229 χ^2/NDF: 1408.8/93



Right In: -14.513+/-0.039 χ^2/NDF: 339269.6/21

Left Out: -1.267+/-0.016 χ^2/NDF:25091.1/23

Right Out: -14.196+/-0.040 χ^2/NDF: 425710.0/24

Left In: -1.180+/-0.016 χ^2/NDF:24754.1/22

Left: -1.224+/-0.011 χ^2/NDF: 49860.2/46

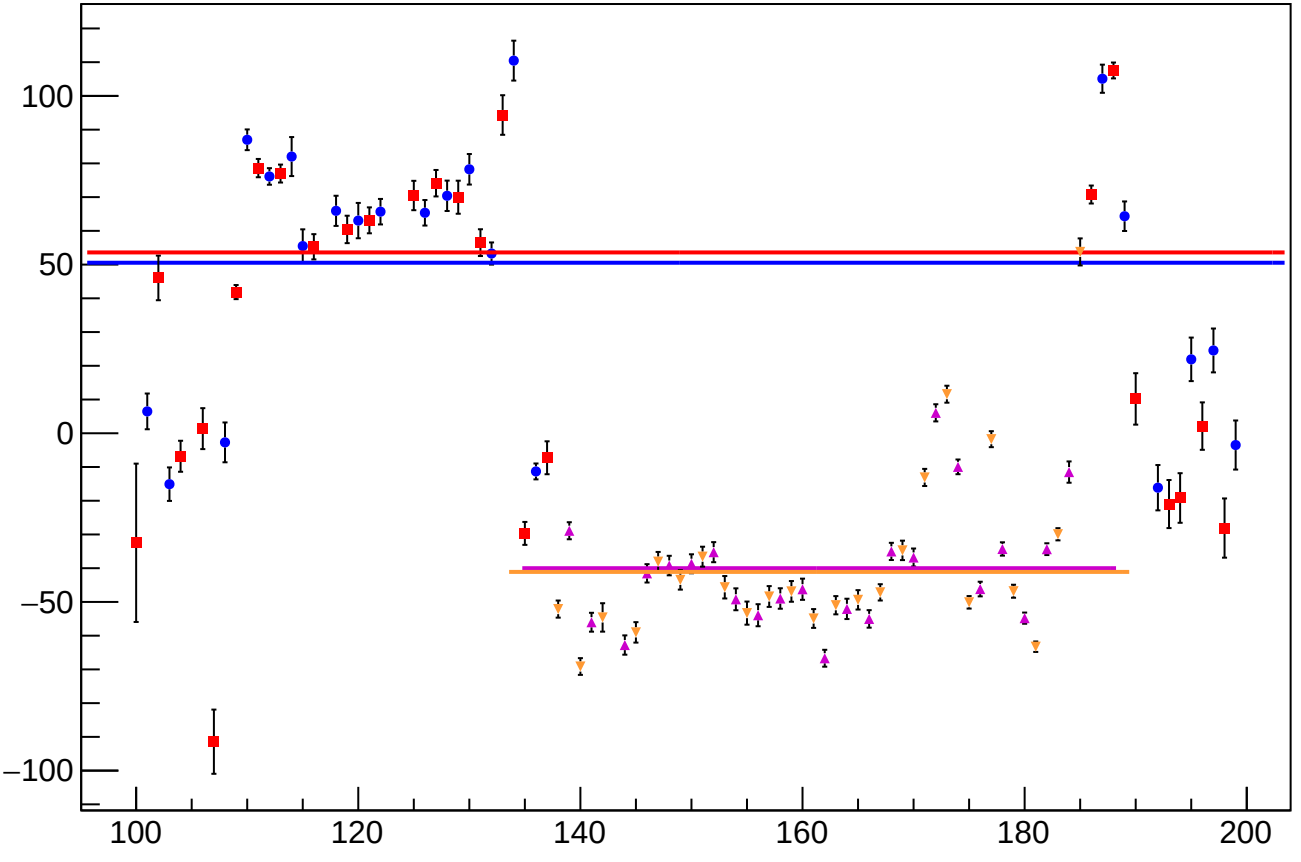
Right: -14.359+/-0.028 χ^2/NDF: 765011.8/46

In: -3.107+/-0.015 χ^2/NDF:464948.0/44

Out: -3.016+/-0.015 χ^2/NDF:540630.0/48

All: -3.061+/-0.010 χ^2/NDF: 1005597.2/93

reg_asym_us_dd_at2lr_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 50.550+/-0.887 χ^2/NDF: 1873.8/21

Left Out: -41.097+/-0.517 χ^2/NDF:1948.2/23

Right Out: 53.604+/-0.789 χ^2/NDF: 2502.2/24

Left In: -40.000+/-0.524 χ^2/NDF:1031.8/22

Left: -40.556+/-0.368 χ^2/NDF: 2982.2/46

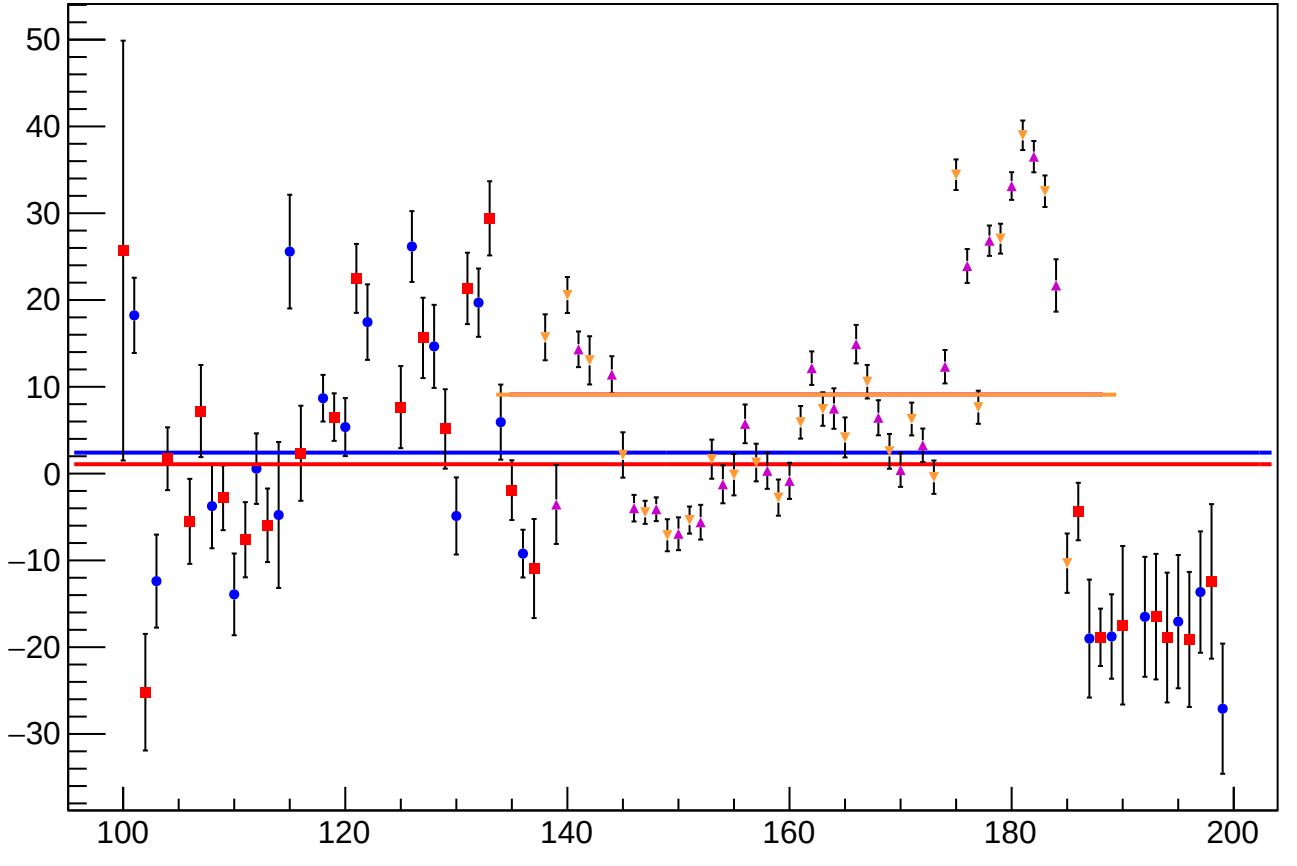
Right: 52.255+/-0.589 χ^2/NDF: 4382.6/46

In: -16.550+/-0.451 χ^2/NDF:10630.6/44

Out: -12.620+/-0.433 χ^2/NDF:14525.7/48

All: -14.502+/-0.312 χ^2/NDF: 25195.8/93

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.416+/-0.954 χ^2/NDF: 210.7/21

Left Out: 9.094+/-0.401 χ^2/NDF:1253.7/23

Right Out: 1.079+/-0.906 χ^2/NDF: 211.8/24

Left In: 9.121+/-0.409 χ^2/NDF:1051.8/22

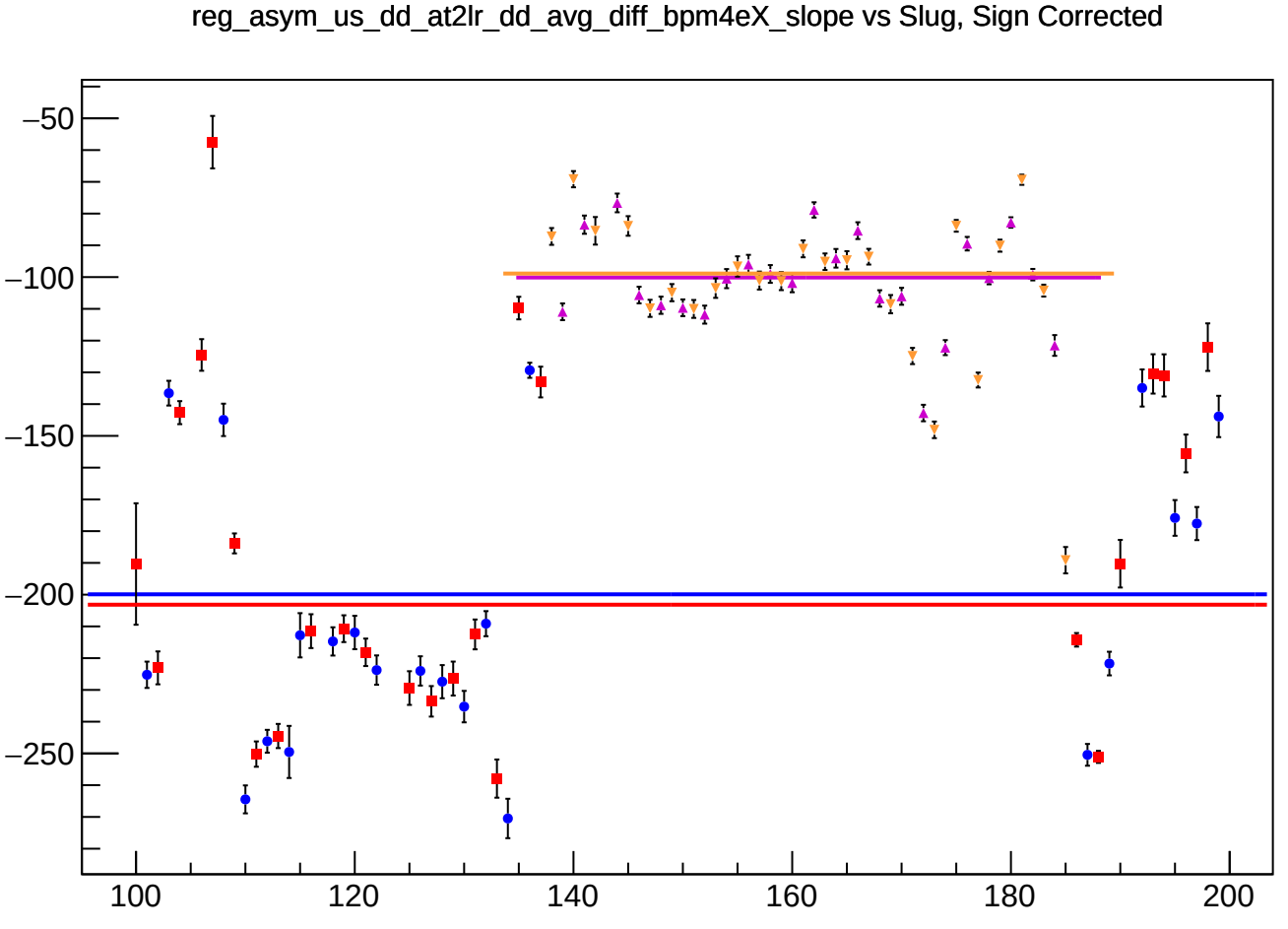
Left: 9.107+/-0.286 χ^2/NDF: 2305.5/46

Right: 1.713+/-0.657 χ^2/NDF: 423.5/46

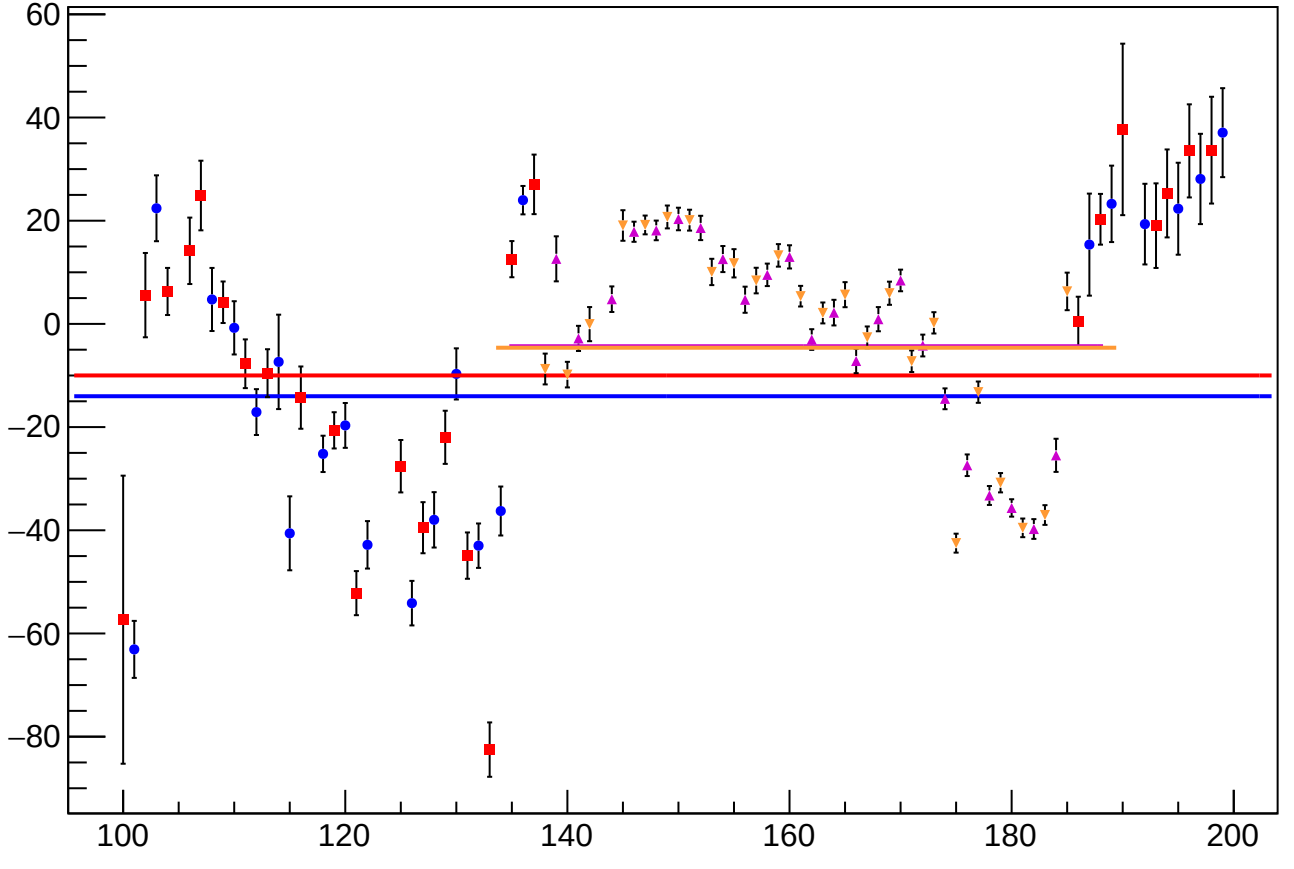
In: 8.080+/-0.376 χ^2/NDF:1304.3/44

Out: 7.780+/-0.367 χ^2/NDF:1530.9/48

All: 7.927+/-0.263 χ^2/NDF: 2835.5/93


reg_asym_us_dd_at2lr_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected
−50
−100
−150
−200
−250
100
120
140
160
180
200
Right In: -199.896+/-0.940 χ²/NDF: 2489.8/21
Left Out: -98.883+/-0.514 χ²/NDF:1824.5/23
Right Out: -203.163+/-0.825 χ²/NDF: 3343.9/24
Left In: -100.127+/-0.520 χ²/NDF:823.2/22
Left: -99.498+/-0.366 χ²/NDF: 2650.6/46
Right: -201.741+/-0.620 χ²/NDF: 5840.5/46
In: -123.495+/-0.455 χ²/NDF:11932.3/44
Out: -128.035+/-0.436 χ²/NDF:16668.5/48
All: -125.860+/-0.315 χ²/NDF: 28652.7/93

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -14.019+/-1.099 χ^2/NDF: 685.1/21

Left Out: -4.618+/-0.451 χ^2/NDF:2078.3/23

Right Out: -9.991+/-1.067 χ^2/NDF: 686.7/24

Left In: -4.328+/-0.459 χ^2/NDF:1854.2/22

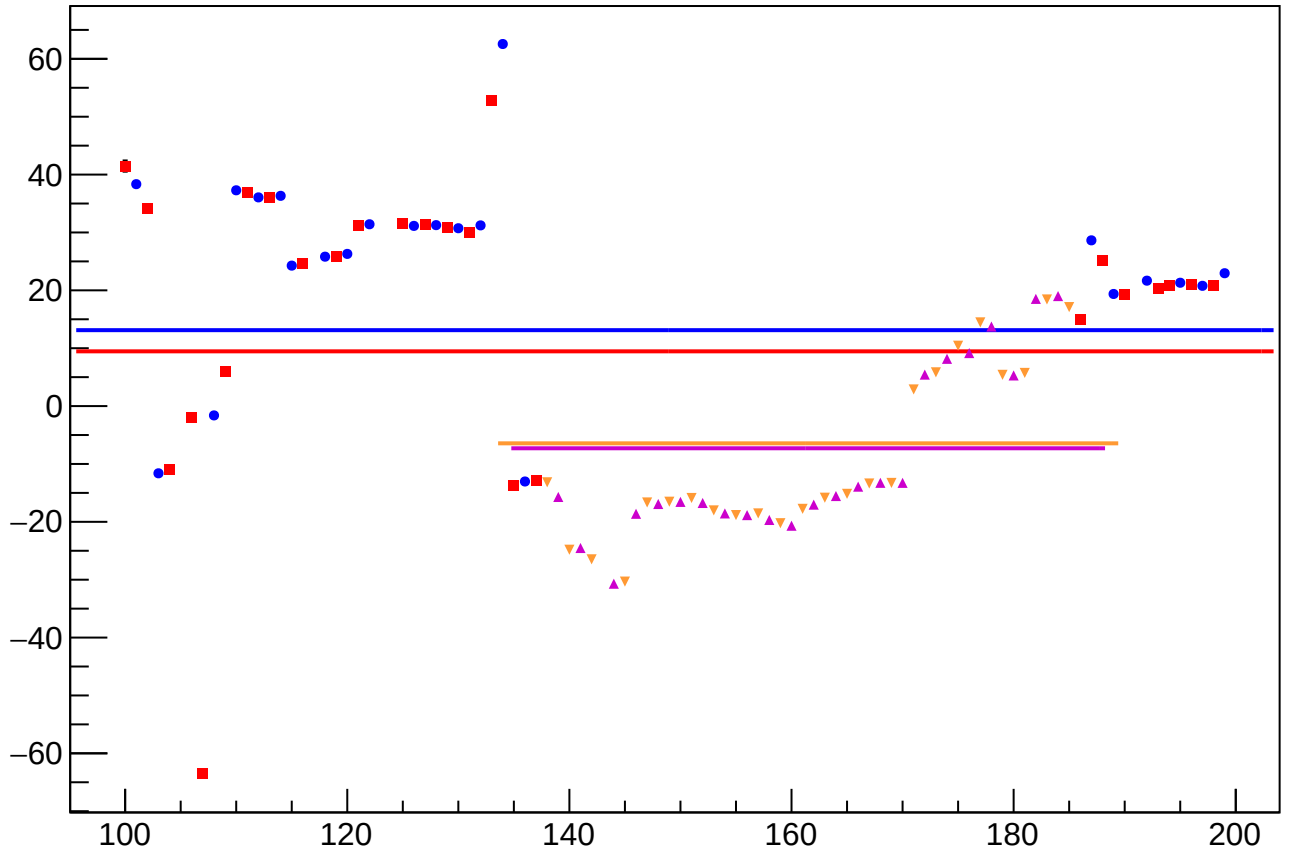
Left: -4.475+/-0.322 χ^2/NDF: 3932.7/46

Right: -11.945+/-0.765 χ^2/NDF: 1378.7/46

In: -5.766+/-0.423 χ^2/NDF:2605.5/44

Out: -5.434+/-0.416 χ^2/NDF:2786.5/48

All: -5.597+/-0.297 χ^2/NDF: 5392.3/93



Right In: 13.118+/-0.056 χ^2/NDF: 171860.7/21

Left Out: -6.437+/-0.020 χ^2/NDF:496714.6/23

Right Out: 9.459+/-0.055 χ^2/NDF: 170270.0/24

Left In: -7.292+/-0.020 χ^2/NDF:488261.5/22

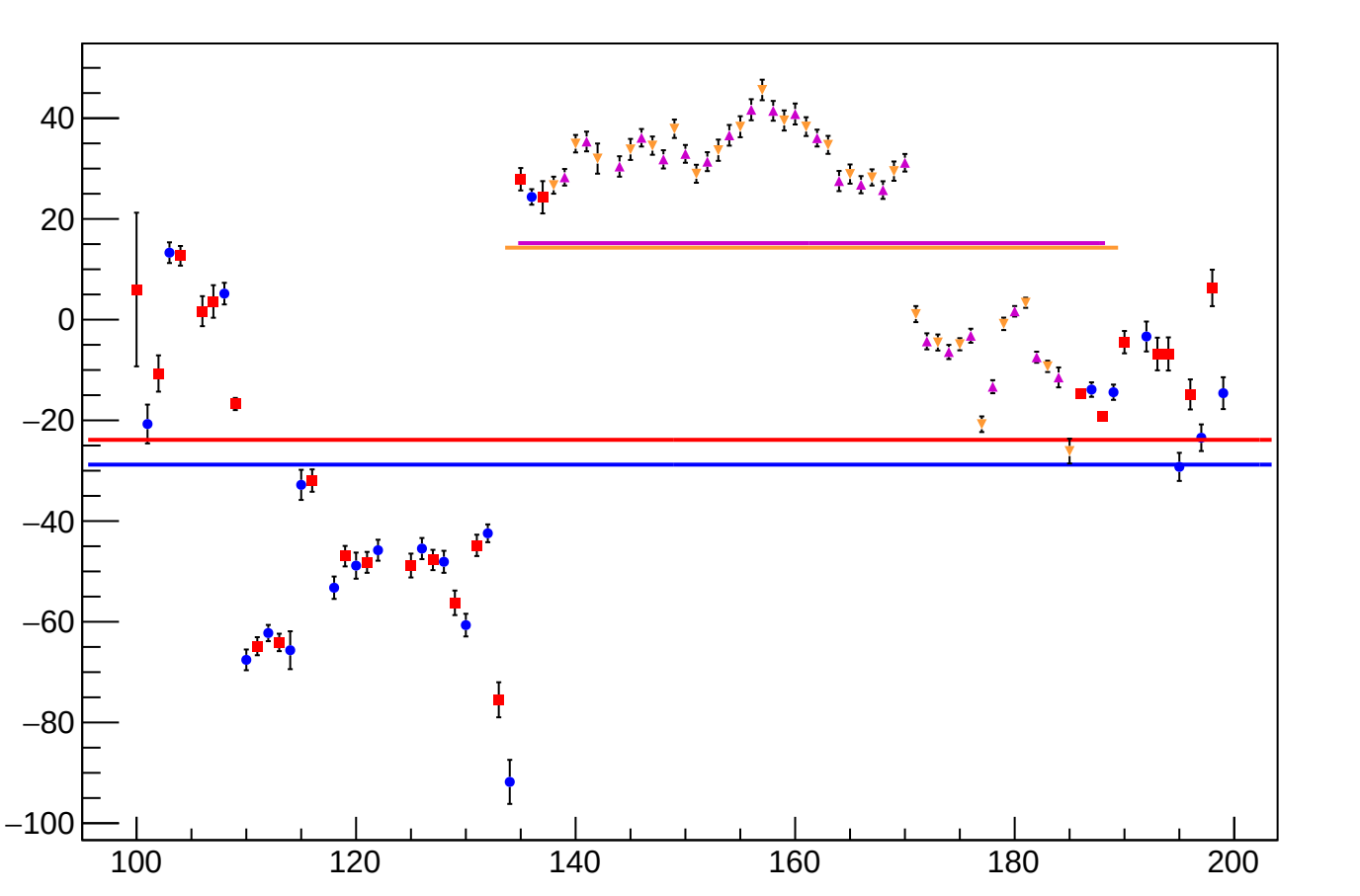
Left: -6.862+/-0.014 χ^2/NDF: 985866.7/46

Right: 11.270+/-0.039 χ^2/NDF: 344317.4/46

In: -4.892+/-0.019 χ^2/NDF:778972.3/44

Out: -4.552+/-0.019 χ^2/NDF:740484.4/48

All: -4.721+/-0.013 χ^2/NDF: 1519616.8/93



Right In: -28.791+/-0.460 χ^2/NDF: 3895.9/21

Left Out: 14.295+/-0.335 χ^2/NDF:3726.3/23

Right Out: -23.869+/-0.381 χ^2/NDF: 3736.9/24

Left In: 15.194+/-0.339 χ^2/NDF:3406.6/22

Left: 14.739+/-0.239 χ^2/NDF: 7136.5/46

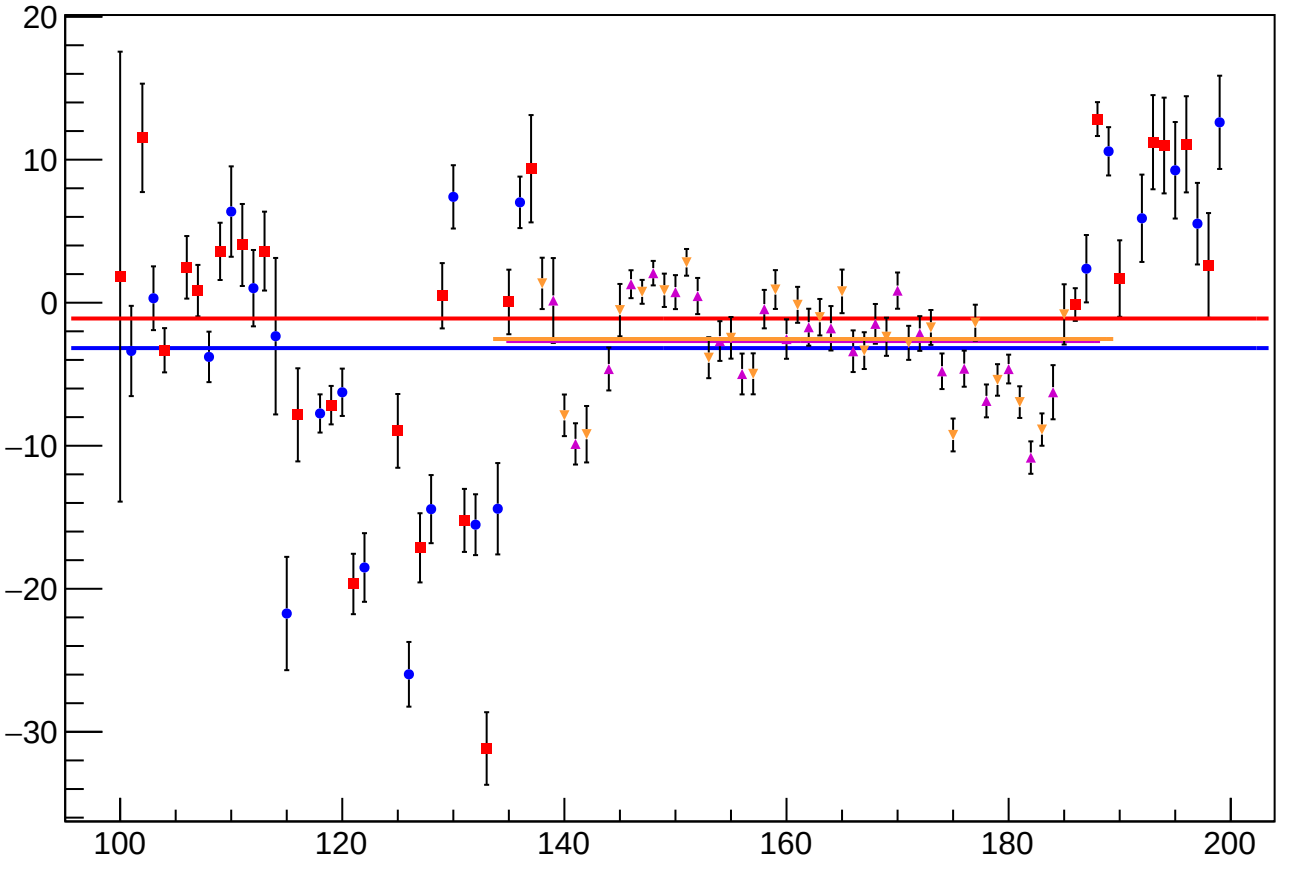
Right: -25.875+/-0.293 χ^2/NDF: 7700.7/46

In: -0.324+/-0.273 χ^2/NDF:13227.5/44

Out: -2.341+/-0.252 χ^2/NDF:13113.9/48

All: -1.415+/-0.185 χ^2/NDF: 26370.8/93

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -3.173+/-0.488 χ^2/NDF: 444.2/21

Left Out: -2.538+/-0.259 χ^2/NDF:198.4/23

Right Out: -1.104+/-0.427 χ^2/NDF: 555.3/24

Left In: -2.681+/-0.265 χ^2/NDF:182.0/22

Left: -2.608+/-0.185 χ^2/NDF: 380.6/46

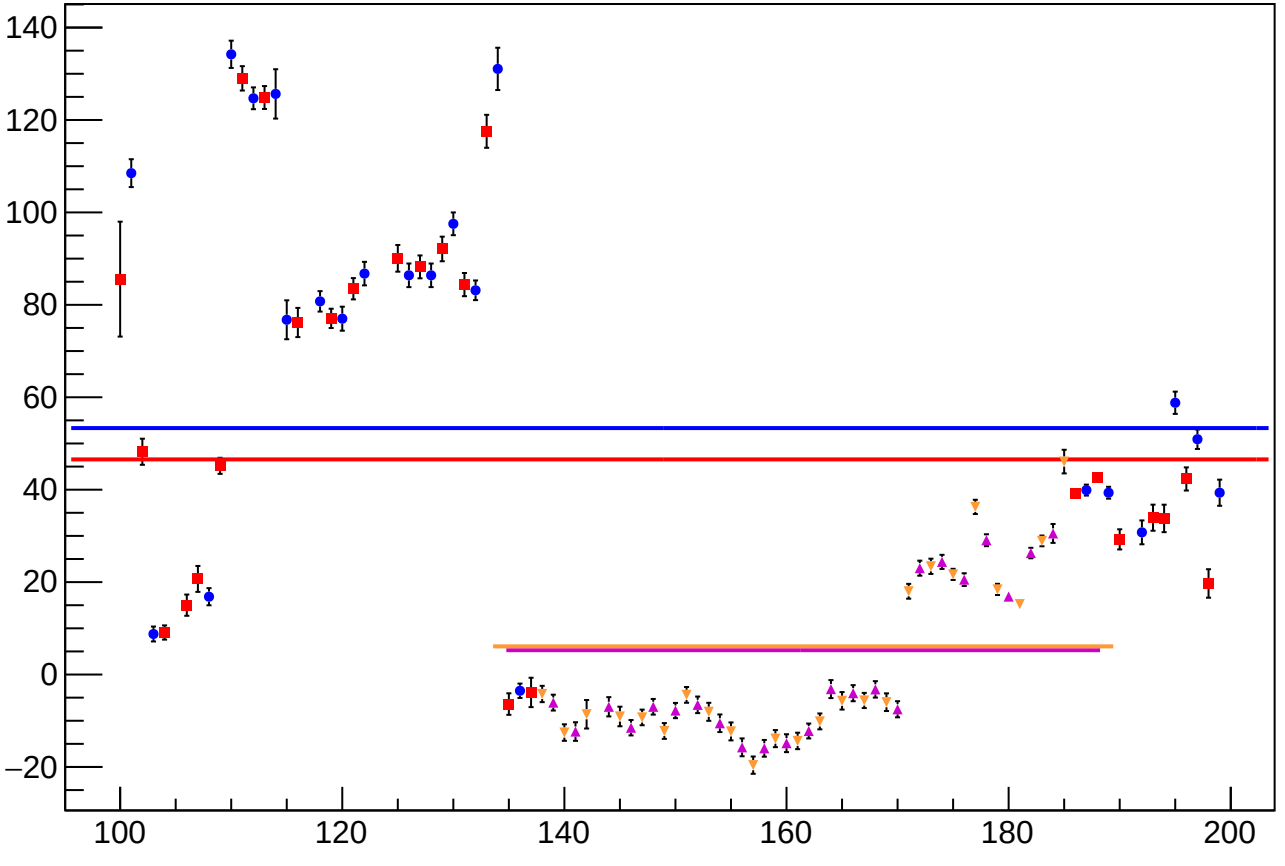
Right: -2.002+/-0.321 χ^2/NDF: 1009.6/46

In: -2.793+/-0.233 χ^2/NDF:627.0/44

Out: -2.152+/-0.221 χ^2/NDF:761.9/48

All: -2.457+/-0.160 χ^2/NDF: 1392.9/93

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 53.331+/-0.455 χ^2/NDF: 6604.4/21

Left Out: 6.095+/-0.333 χ^2/NDF:2773.9/23

Right Out: 46.556+/-0.362 χ^2/NDF: 5916.1/24

Left In: 5.269+/-0.337 χ^2/NDF:2451.2/22

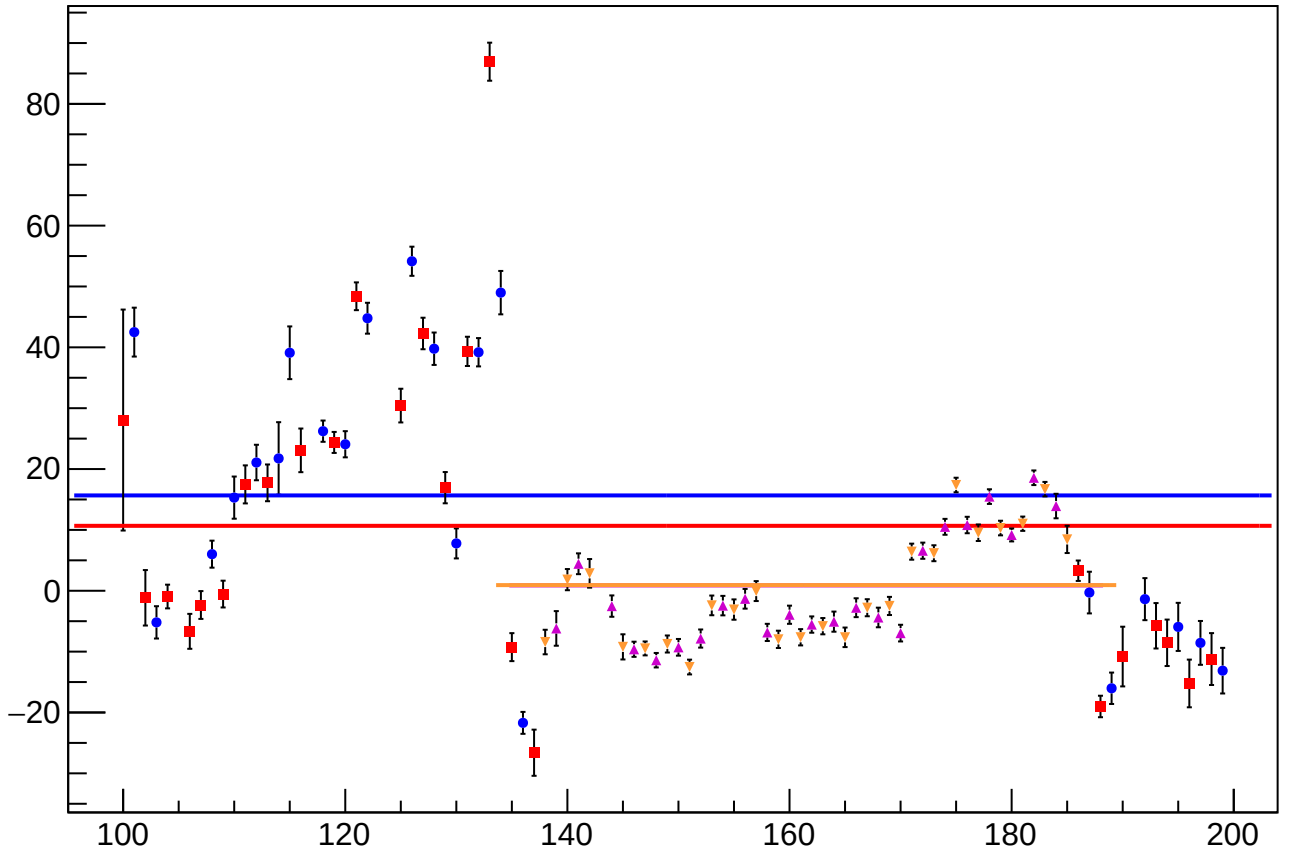
Left: 5.687+/-0.237 χ^2/NDF: 5228.1/46

Right: 49.180+/-0.283 χ^2/NDF: 12656.2/46

In: 22.247+/-0.271 χ^2/NDF:16260.6/44

Out: 24.629+/-0.245 χ^2/NDF:15458.1/48

All: 23.556+/-0.182 χ^2/NDF: 31761.2/93



Right In: 15.666+/-0.580 χ^2/NDF: 1644.1/21

Left Out: 0.929+/-0.292 χ^2/NDF:1041.7/23

Right Out: 10.671+/-0.527 χ^2/NDF: 2047.5/24

Left In: 0.878+/-0.297 χ^2/NDF:1006.0/22

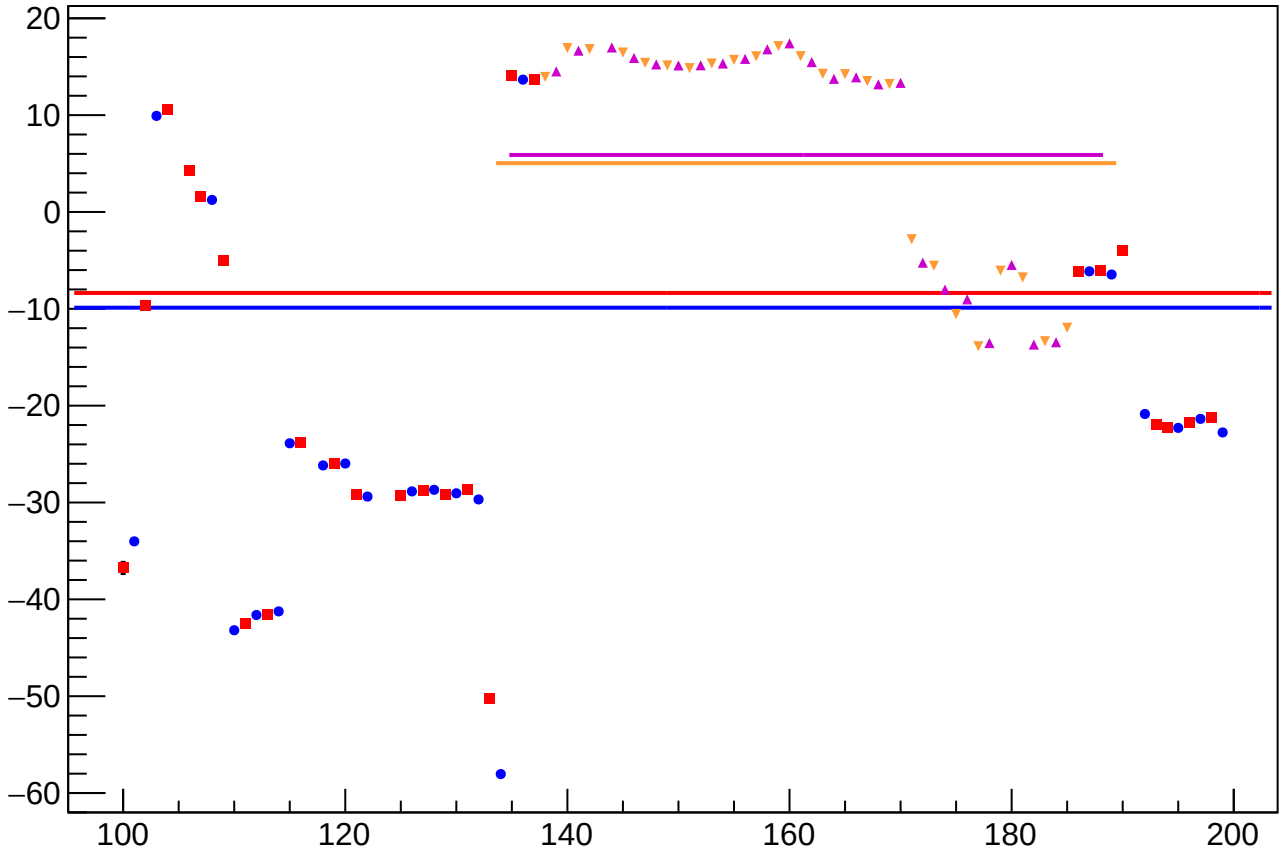
Left: 0.904+/-0.208 χ^2/NDF: 2047.7/46

Right: 12.931+/-0.390 χ^2/NDF: 3732.2/46

In: 3.953+/-0.265 χ^2/NDF:3164.8/44

Out: 3.213+/-0.255 χ^2/NDF:3350.4/48

All: 3.570+/-0.184 χ^2/NDF: 6519.3/93



Right In: -9.884+/-0.028 χ^2/NDF: 466667.8/21

Left Out: 5.042+/-0.013 χ^2/NDF:855564.2/23

Right Out: -8.363+/-0.027 χ^2/NDF: 371553.6/24

Left In: 5.886+/-0.013 χ^2/NDF:846355.0/22

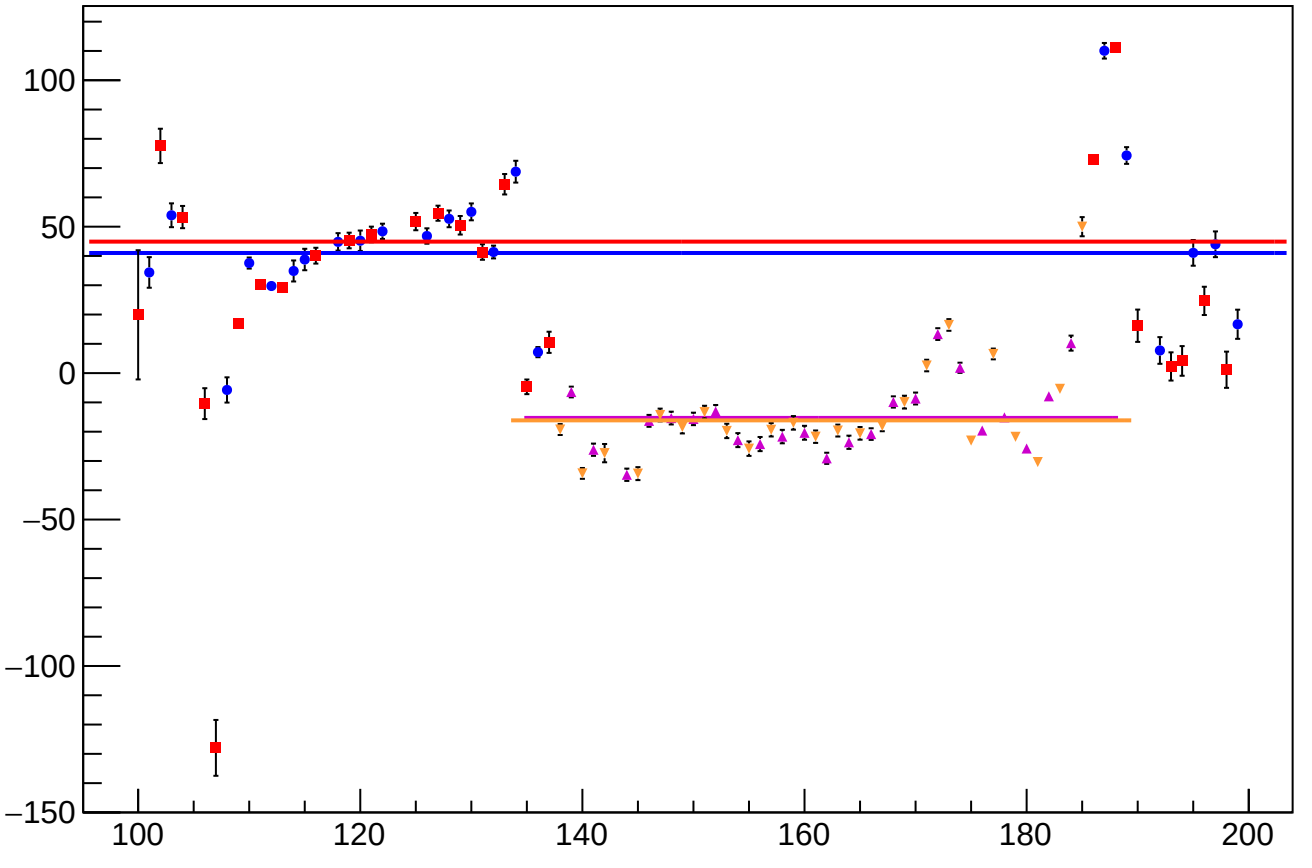
Left: 5.461+/-0.009 χ^2/NDF: 1703993.7/46

Right: -9.097+/-0.019 χ^2/NDF: 839780.8/46

In: 2.990+/-0.012 χ^2/NDF:1577270.8/44

Out: 2.464+/-0.012 χ^2/NDF:1429686.2/48

All: 2.724+/-0.008 χ^2/NDF: 3007949.2/93



Right In: 41.019+/-0.600 χ^2/NDF: 1563.3/21

Left Out: -16.132+/-0.398 χ^2/NDF:1364.9/23

Right Out: 44.895+/-0.536 χ^2/NDF: 3943.4/24

Left In: -15.295+/-0.403 χ^2/NDF:760.9/22

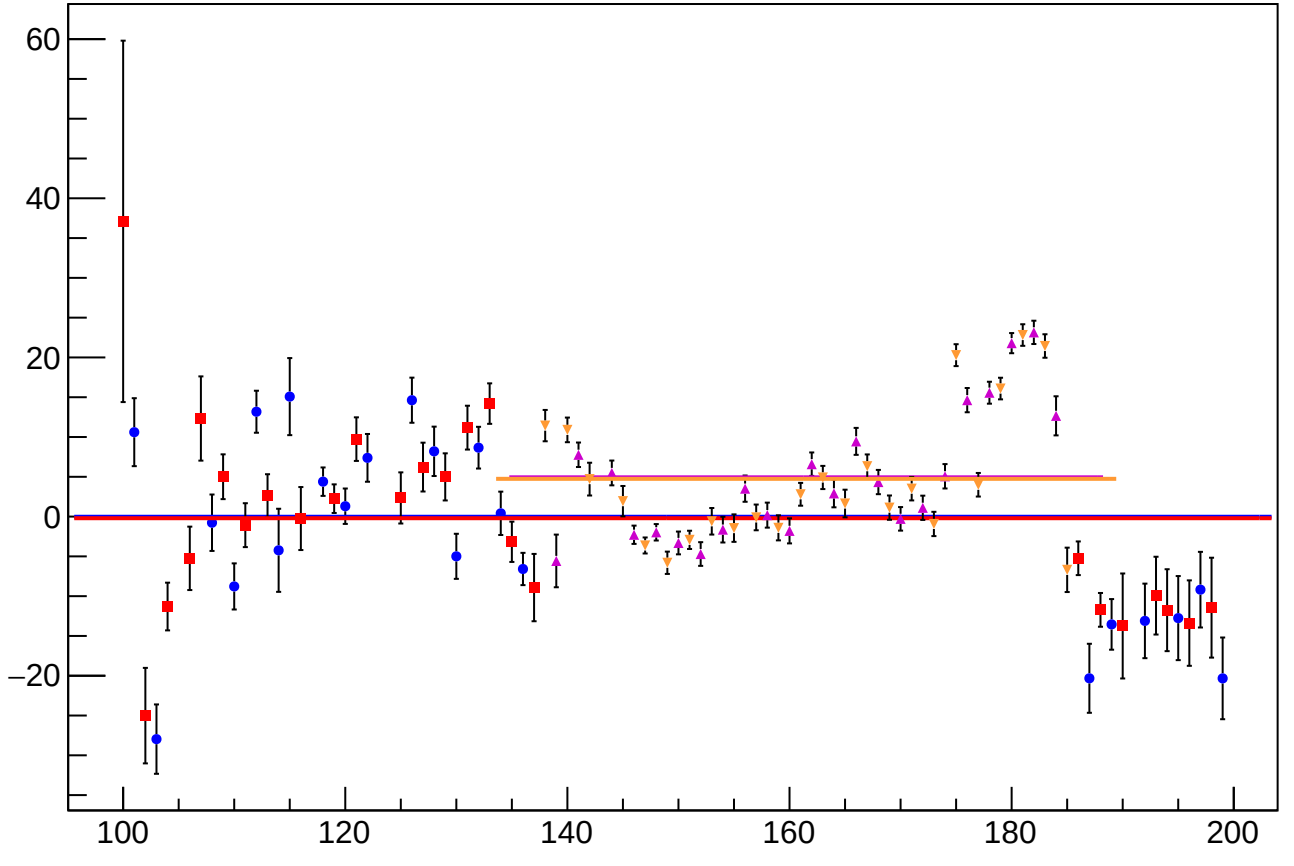
Left: -15.719+/-0.283 χ^2/NDF: 2128.0/46

Right: 43.174+/-0.400 χ^2/NDF: 5529.9/46

In: 2.219+/-0.335 χ^2/NDF:8390.9/44

Out: 5.531+/-0.320 χ^2/NDF:13658.5/48

All: 3.952+/-0.231 χ^2/NDF: 22100.6/93



Right In: -0.021+/-0.653 χ^2/NDF: 235.6/21

Left Out: 4.745+/-0.307 χ^2/NDF:793.8/23

Right Out: -0.204+/-0.625 χ^2/NDF: 180.7/24

Left In: 4.935+/-0.313 χ^2/NDF:688.4/22

Left: 4.838+/-0.219 χ^2/NDF: 1482.3/46

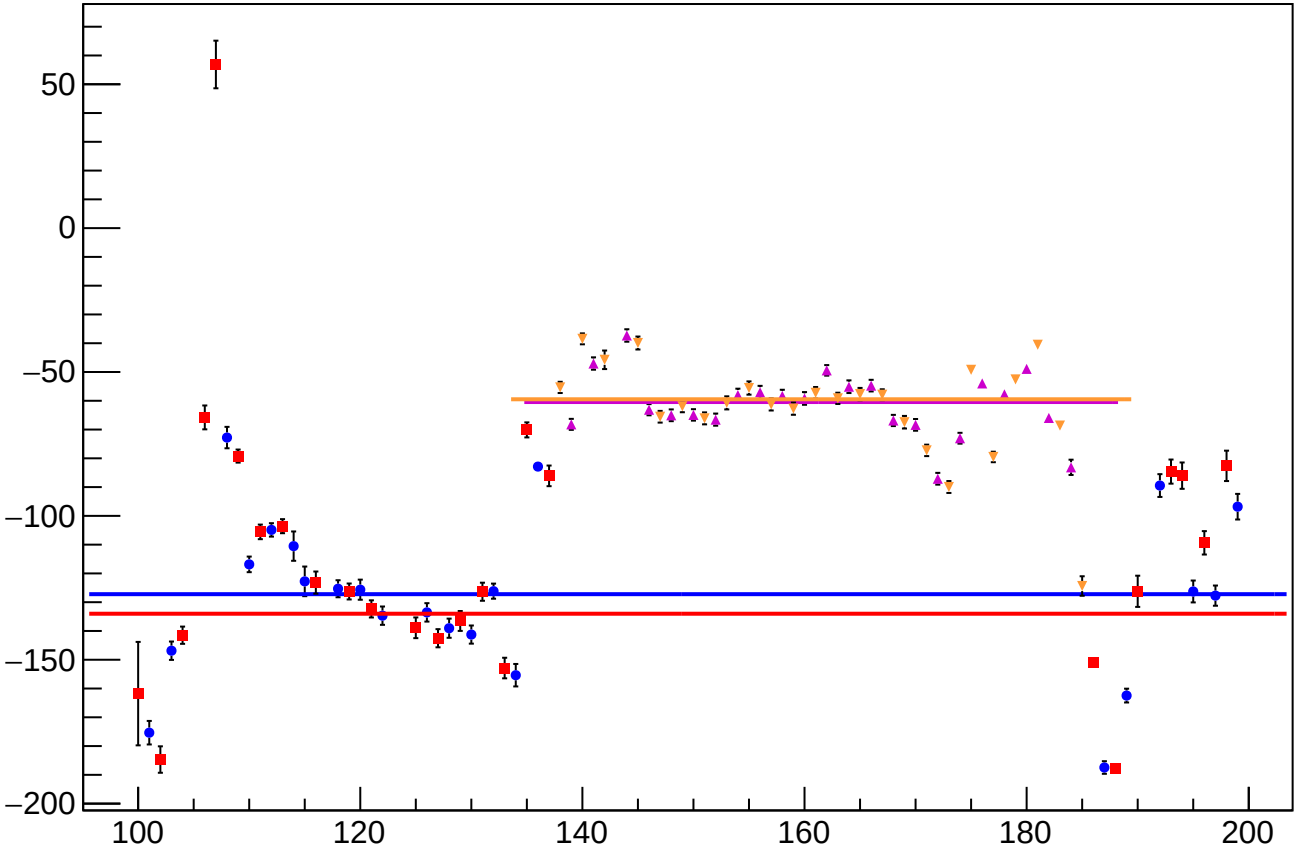
Right: -0.117+/-0.451 χ^2/NDF: 416.4/46

In: 4.008+/-0.282 χ^2/NDF:970.8/44

Out: 3.784+/-0.275 χ^2/NDF:1025.1/48

All: 3.893+/-0.197 χ^2/NDF: 1996.3/93

reg_asym_us_dd_atlr_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -127.211+/-0.646 χ^2/NDF: 2353.8/21

Left Out: -59.480+/-0.395 χ^2/NDF:1372.3/23

Right Out: -134.007+/-0.562 χ^2/NDF: 5109.3/24

Left In: -60.435+/-0.400 χ^2/NDF:668.3/22

Left: -59.952+/-0.281 χ^2/NDF: 2043.4/46

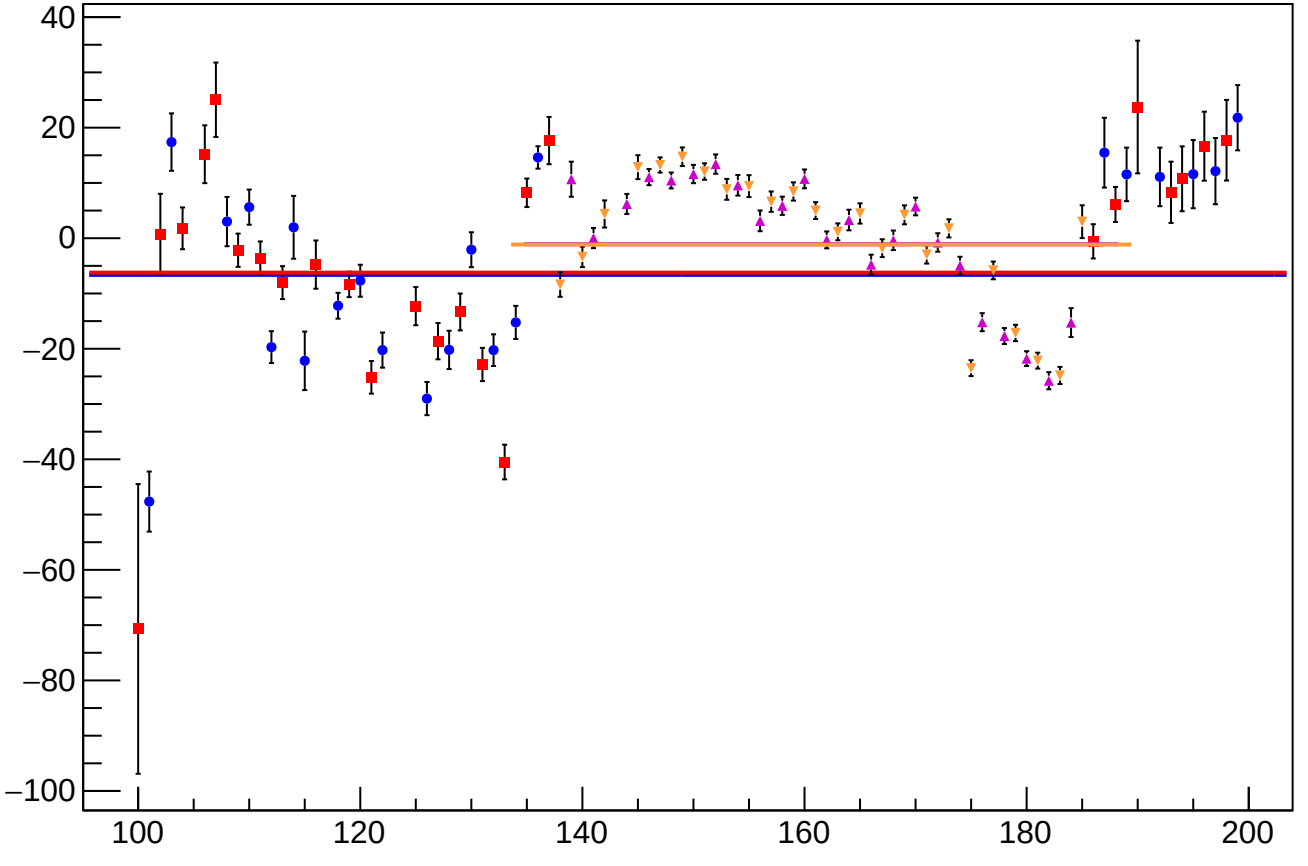
Right: -131.082+/-0.424 χ^2/NDF: 7526.1/46

In: -78.888+/-0.340 χ^2/NDF:10742.6/44

Out: -84.119+/-0.323 χ^2/NDF:18255.2/48

All: -81.636+/-0.234 χ^2/NDF: 29122.2/93

reg_asym_us_dd_atlr_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -6.630+/-0.753 χ^2/NDF: 446.3/21

Left Out: -1.144+/-0.346 χ^2/NDF:1303.0/23

Right Out: -6.230+/-0.737 χ^2/NDF: 393.6/24

Left In: -1.082+/-0.352 χ^2/NDF:1157.4/22

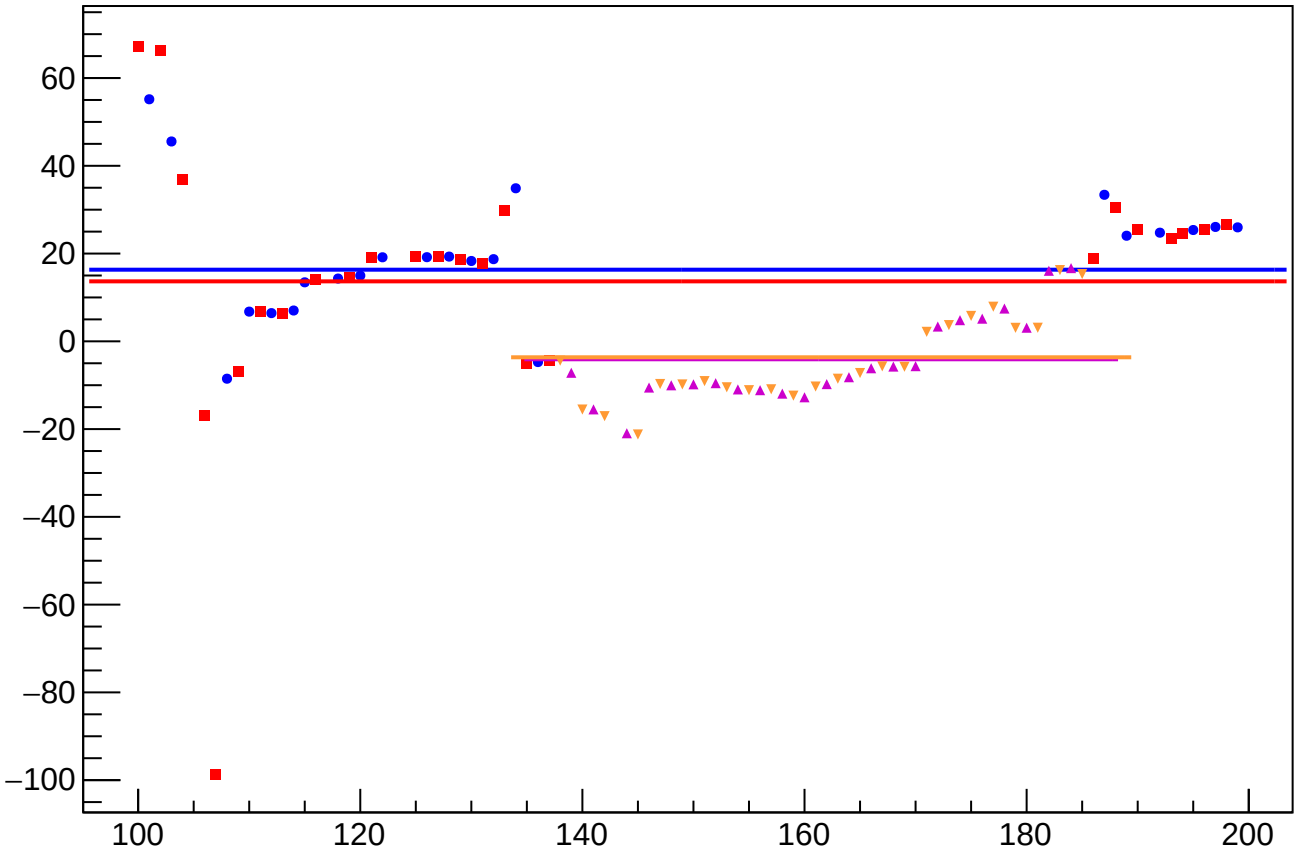
Left: -1.114+/-0.247 χ^2/NDF: 2460.4/46

Right: -6.426+/-0.527 χ^2/NDF: 840.1/46

In: -2.077+/-0.319 χ^2/NDF:1648.3/44

Out: -2.060+/-0.313 χ^2/NDF:1735.6/48

All: -2.068+/-0.223 χ^2/NDF: 3383.9/93



Right In: 16.323+/-0.040 χ^2/NDF: 201759.4/21

Left Out: -3.639+/-0.015 χ^2/NDF:345861.2/23

Right Out: 13.666+/-0.040 χ^2/NDF: 327640.9/24

Left In: -4.091+/-0.016 χ^2/NDF:333287.4/22

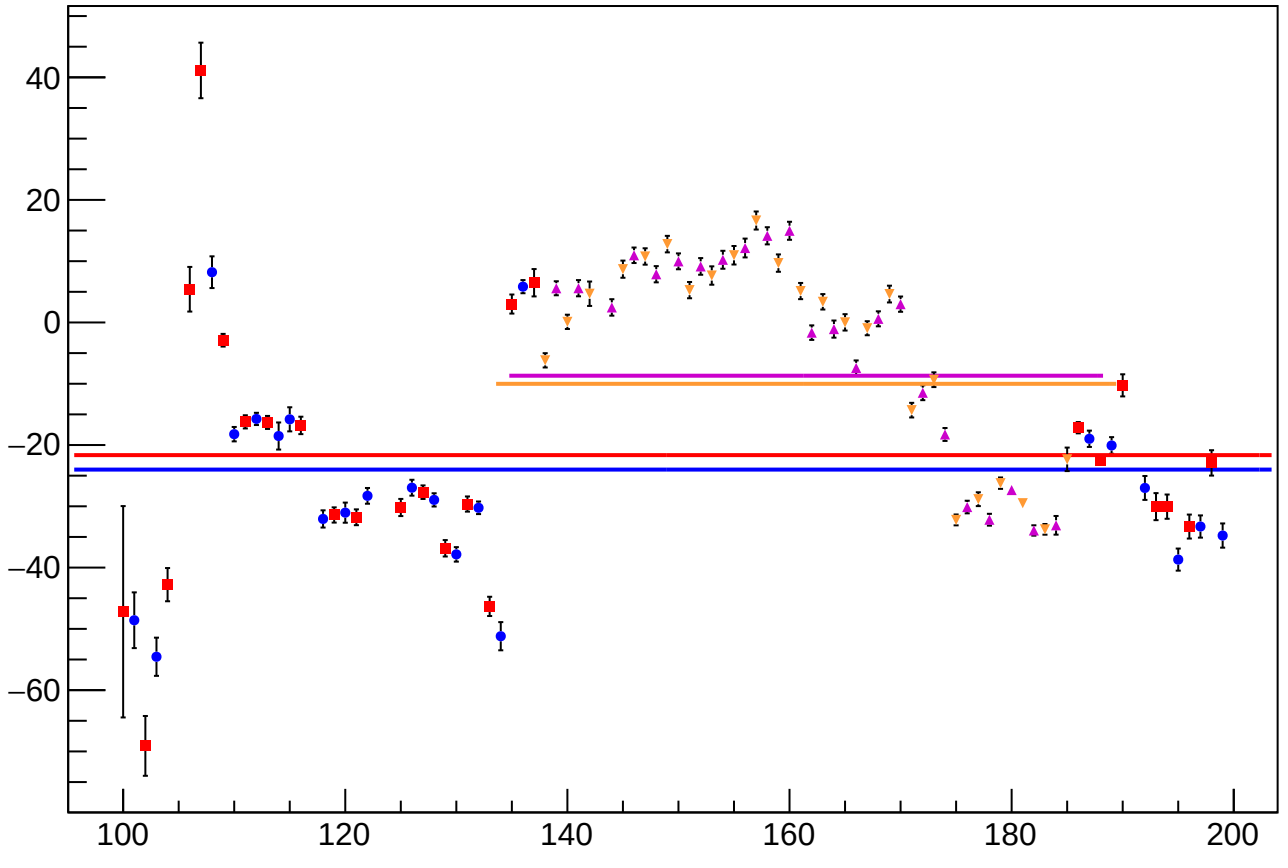
Left: -3.864+/-0.011 χ^2/NDF: 679574.3/46

Right: 15.009+/-0.028 χ^2/NDF: 531631.9/46

In: -1.365+/-0.014 χ^2/NDF:765728.1/44

Out: -1.392+/-0.014 χ^2/NDF:836392.4/48

All: -1.379+/-0.010 χ^2/NDF: 1602122.1/93



Right In: -24.008+/-0.310 χ^2/NDF: 1719.5/21

Left Out: -10.013+/-0.244 χ^2/NDF:4977.5/23

Right Out: -21.647+/-0.284 χ^2/NDF: 1946.7/24

Left In: -8.689+/-0.248 χ^2/NDF:5021.6/22

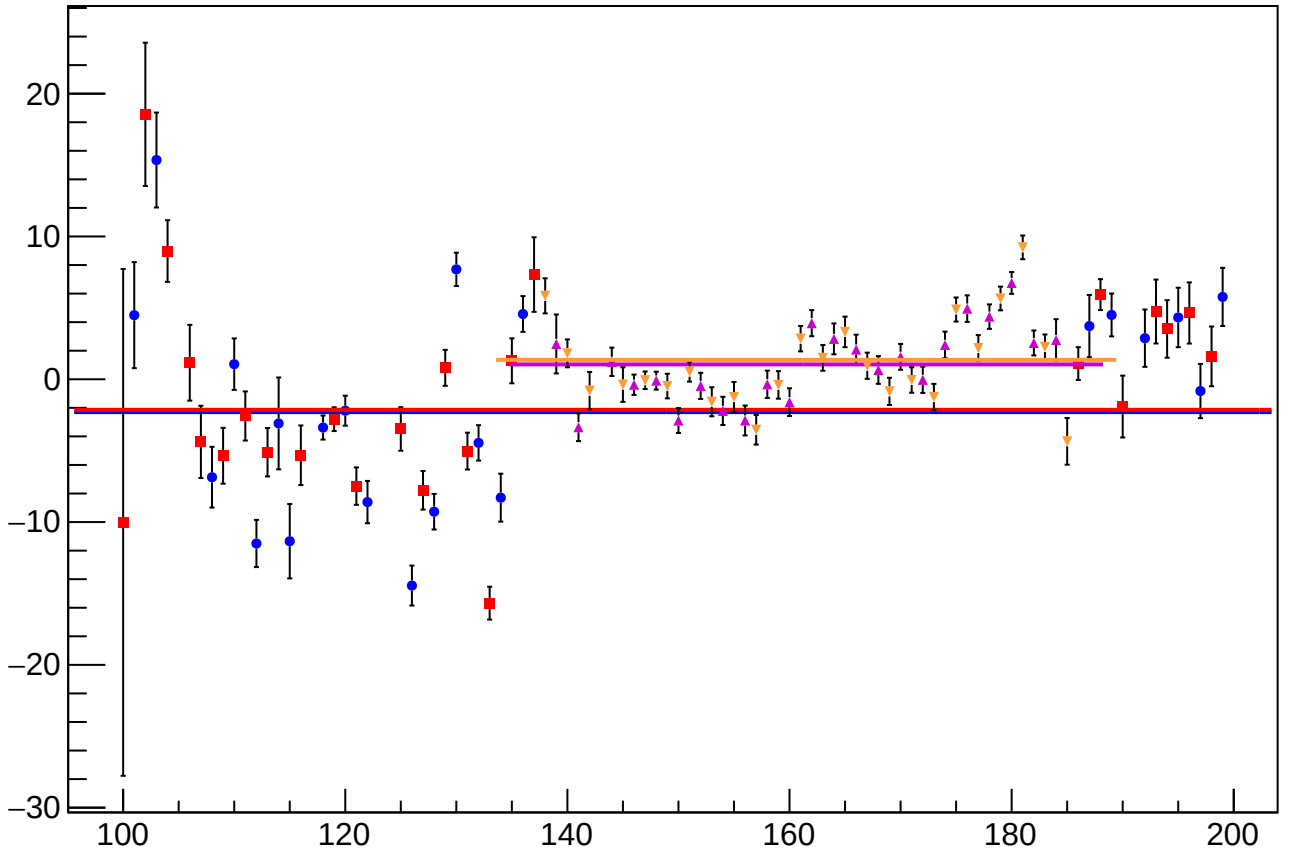
Left: -9.360+/-0.174 χ^2/NDF: 10013.6/46

Right: -22.722+/-0.209 χ^2/NDF: 3697.7/46

In: -14.649+/-0.194 χ^2/NDF:8229.5/44

Out: -14.965+/-0.185 χ^2/NDF:7889.2/48

All: -14.814+/-0.134 χ^2/NDF: 16120.1/93



Right In: -2.298+/-0.329 χ^2/NDF: 389.7/21

Left Out: 1.361+/-0.188 χ^2/NDF:240.3/23

Right Out: -2.139+/-0.316 χ^2/NDF: 350.6/24

Left In: 1.041+/-0.192 χ^2/NDF:196.1/22

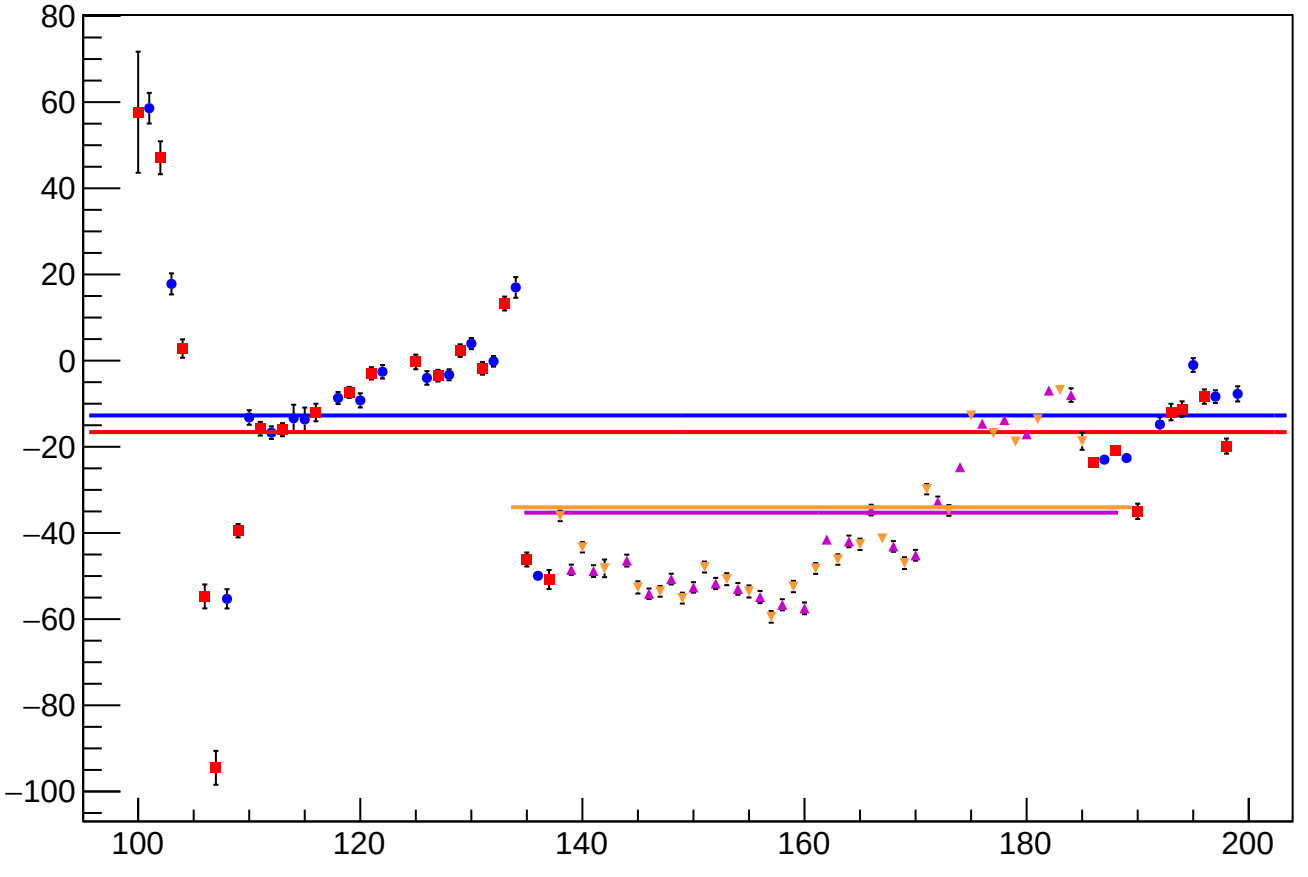
Left: 1.204+/-0.135 χ^2/NDF: 437.8/46

Right: -2.215+/-0.228 χ^2/NDF: 740.4/46

In: 0.189+/-0.166 χ^2/NDF:662.7/44

Out: 0.445+/-0.162 χ^2/NDF:681.3/48

All: 0.320+/-0.116 χ^2/NDF: 1345.2/93



Right In: -12.725+/-0.330 χ^2/NDF: 2904.8/21

Left Out: -34.036+/-0.243 χ^2/NDF:4965.7/23

Right Out: -16.588+/-0.290 χ^2/NDF: 2991.0/24

Left In: -35.285+/-0.245 χ^2/NDF:4998.0/22

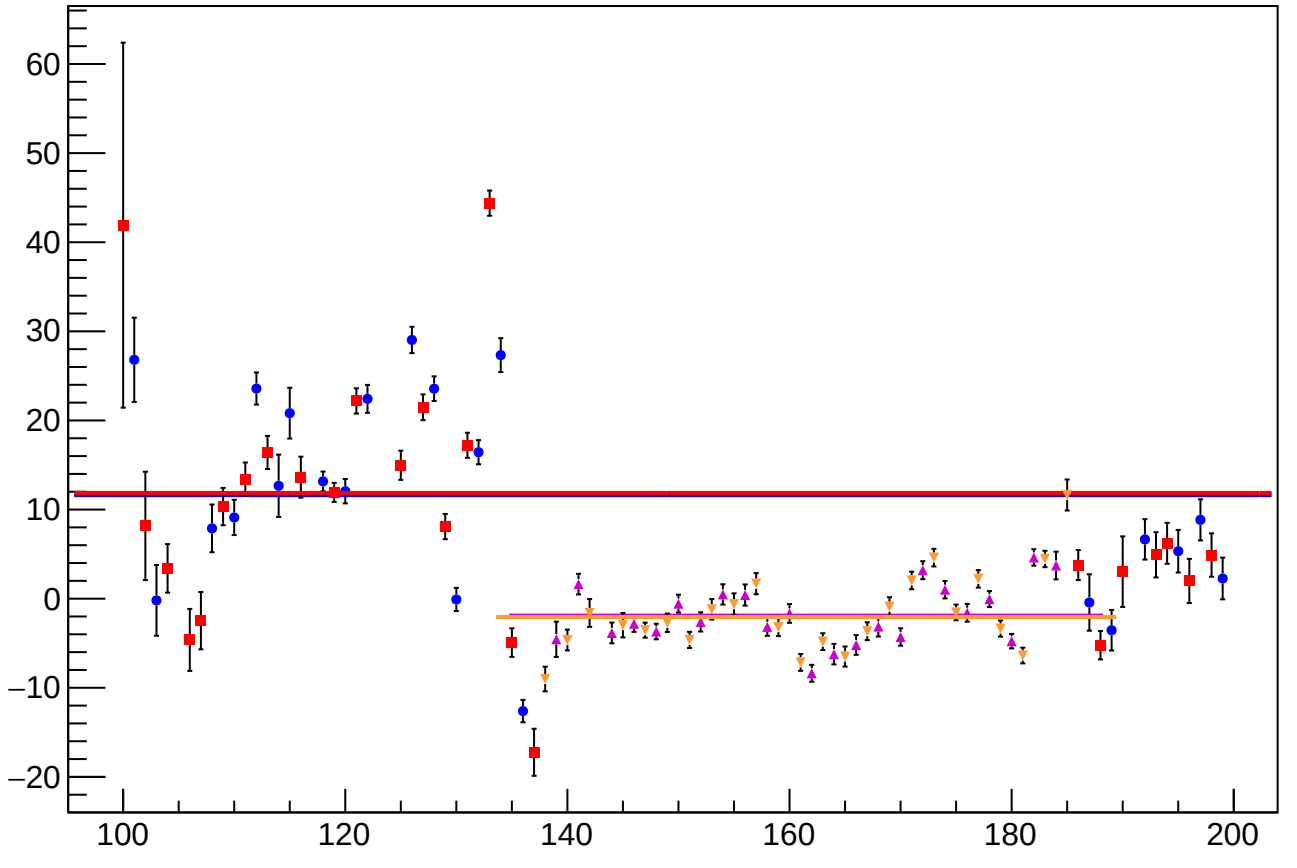
Left: -34.653+/-0.173 χ^2/NDF: 9976.8/46

Right: -14.904+/-0.218 χ^2/NDF: 5972.9/46

In: -27.261+/-0.197 χ^2/NDF:10908.1/44

Out: -26.865+/-0.186 χ^2/NDF:10083.9/48

All: -27.052+/-0.135 χ^2/NDF: 20994.1/93



Right In: 11.618+/-0.382 χ^2/NDF: 963.5/21

Left Out: -2.062+/-0.212 χ^2/NDF:332.4/23

Right Out: 11.870+/-0.376 χ^2/NDF: 1124.5/24

Left In: -1.905+/-0.216 χ^2/NDF:222.1/22

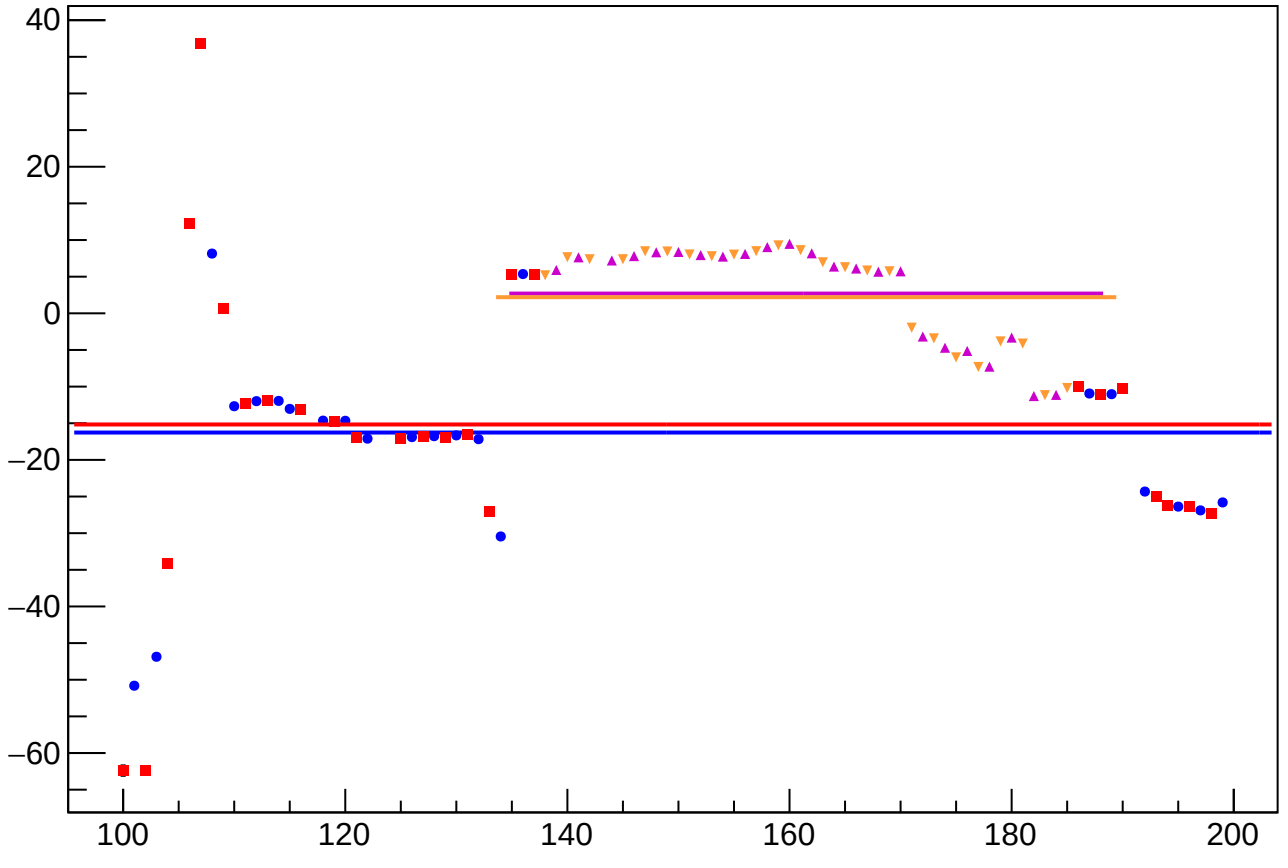
Left: -1.985+/-0.151 χ^2/NDF: 554.7/46

Right: 11.747+/-0.268 χ^2/NDF: 2088.2/46

In: 1.373+/-0.188 χ^2/NDF:2134.1/44

Out: 1.310+/-0.185 χ^2/NDF:2499.8/48

All: 1.341+/-0.132 χ^2/NDF: 4634.0/93



Right In: -16.268+/-0.021 χ^2/NDF: 468605.0/21

Left Out: 2.198+/-0.009 χ^2/NDF:508502.1/23

Right Out: -15.169+/-0.021 χ^2/NDF: 528954.3/24

Left In: 2.694+/-0.010 χ^2/NDF:498824.3/22

Left: 2.445+/-0.007 χ^2/NDF: 1008683.1/46

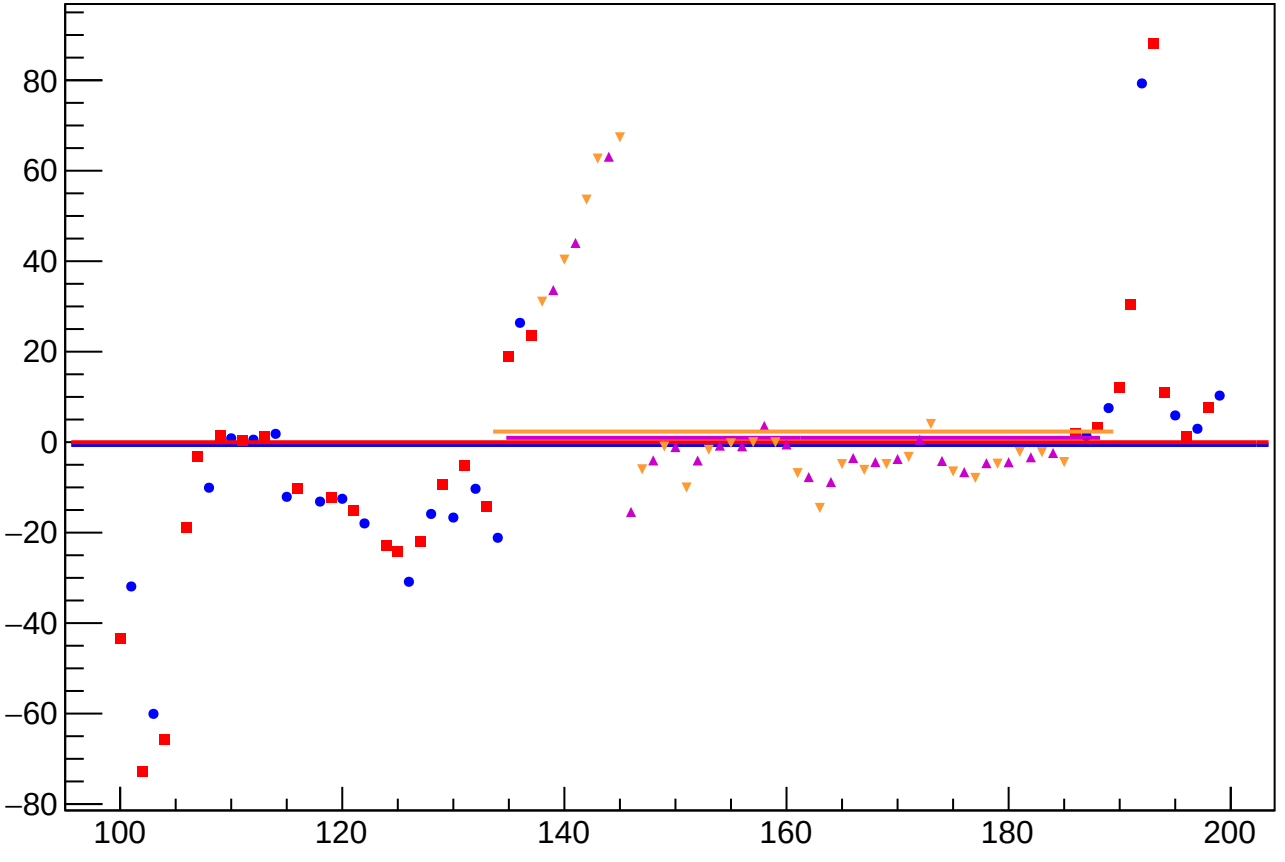
Right: -15.719+/-0.015 χ^2/NDF: 998992.5/46

In: -0.685+/-0.009 χ^2/NDF:1669650.8/44

Out: -0.859+/-0.009 χ^2/NDF:1626351.0/48

All: -0.773+/-0.006 χ^2/NDF: 3296204.2/93

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -0.622+/-0.046 χ^2/NDF: 115556.0/21

Left Out: 2.341+/-0.040 χ^2/NDF:176986.1/24

Right Out: -0.019+/-0.039 χ^2/NDF: 115902.0/26

Left In: 0.957+/-0.040 χ^2/NDF:132519.8/22

Left: 1.643+/-0.028 χ^2/NDF: 310101.9/47

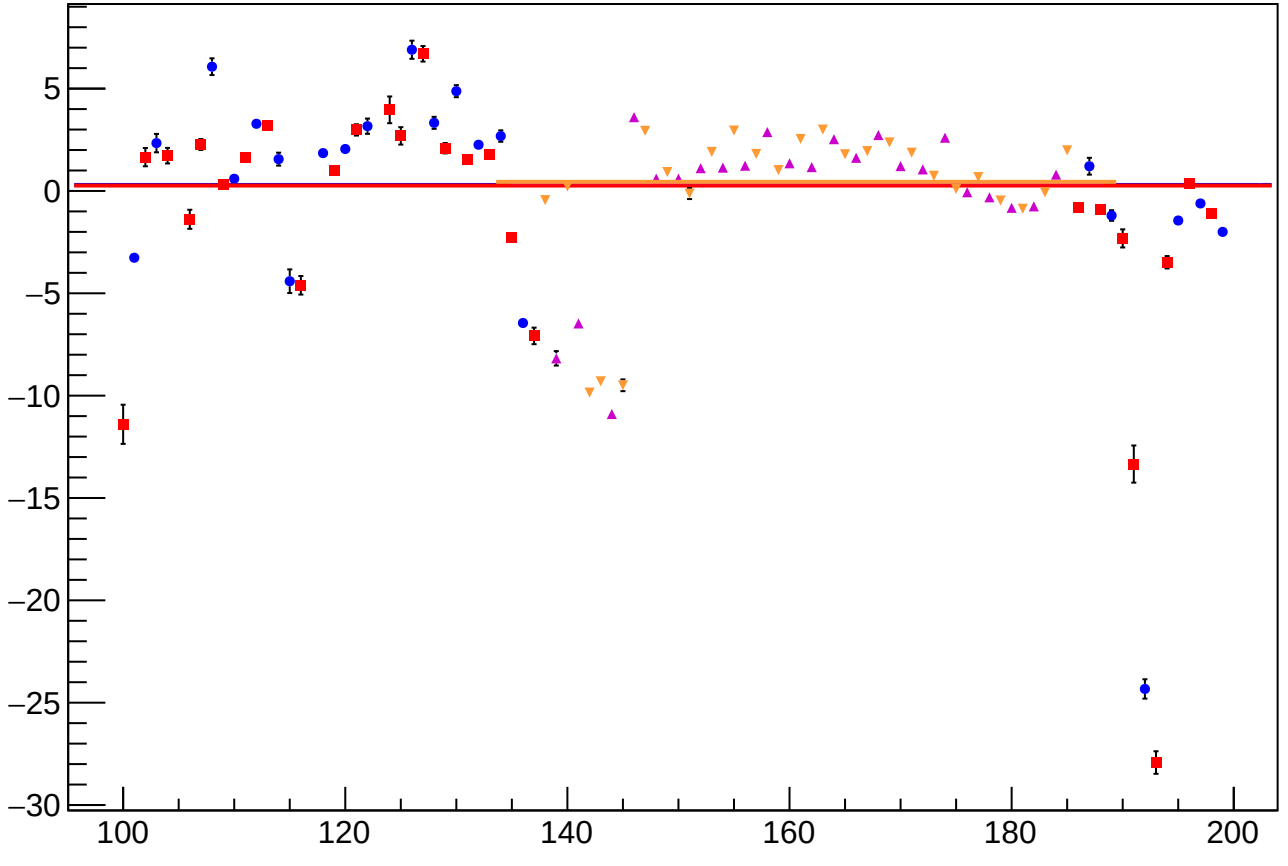
Right: -0.270+/-0.030 χ^2/NDF: 231557.7/48

In: 0.280+/-0.030 χ^2/NDF:248745.9/44

Out: 1.120+/-0.028 χ^2/NDF:294666.8/51

All: 0.732+/-0.021 χ^2/NDF: 543828.9/96

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.293+/-0.051 χ^2/NDF: 5775.1/21

Left Out: 0.446+/-0.033 χ^2/NDF:7044.3/24

Right Out: 0.264+/-0.048 χ^2/NDF: 4952.8/26

Left In: 0.427+/-0.031 χ^2/NDF:7102.3/22

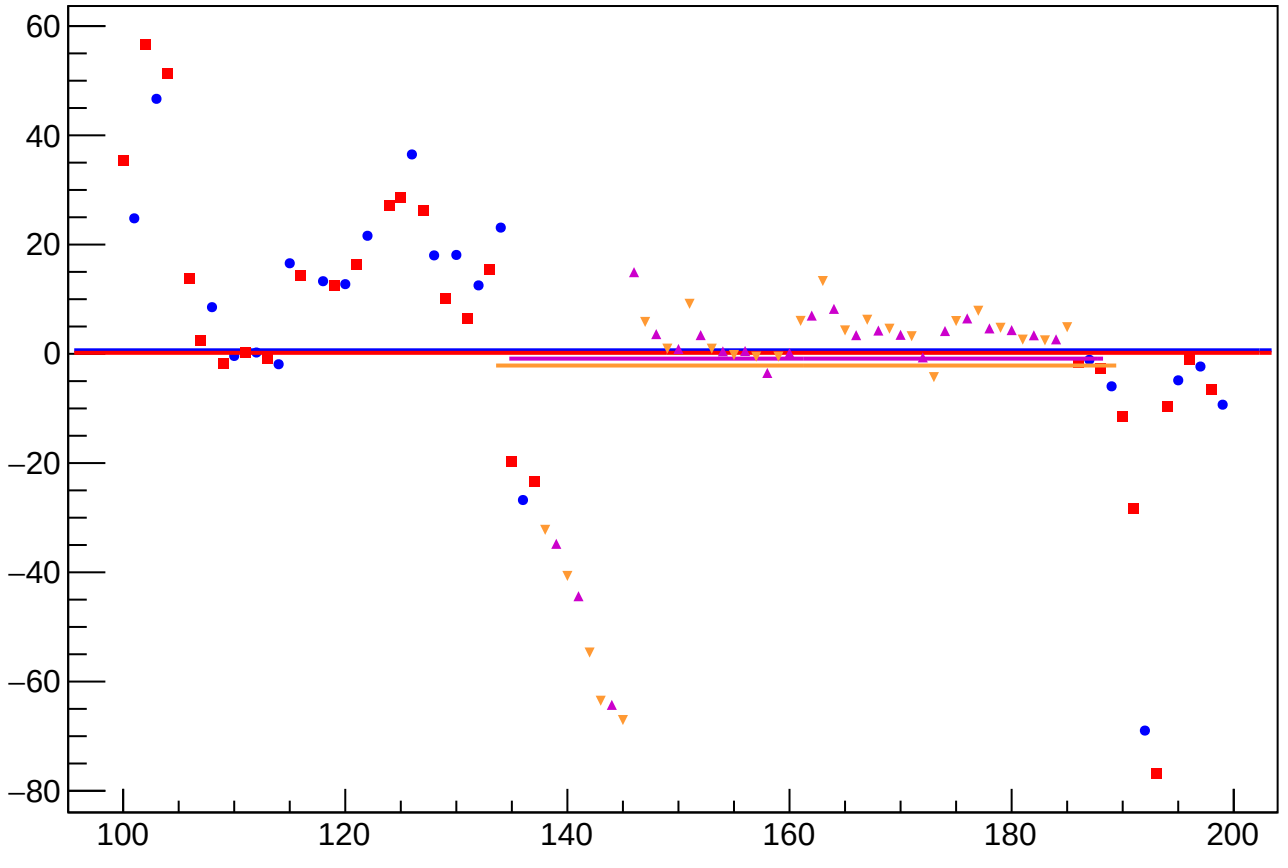
Left: 0.436+/-0.023 χ^2/NDF: 14146.8/47

Right: 0.278+/-0.035 χ^2/NDF: 10728.0/48

In: 0.391+/-0.027 χ^2/NDF:12882.4/44

Out: 0.388+/-0.027 χ^2/NDF:12006.8/51

All: 0.390+/-0.019 χ^2/NDF: 24889.2/96



Right In: 0.644+/-0.048 χ^2/NDF: 114786.7/21

Left Out: -2.143+/-0.040 χ^2/NDF:171271.2/24

Right Out: 0.182+/-0.042 χ^2/NDF: 114353.4/26

Left In: -0.881+/-0.039 χ^2/NDF:129197.8/22

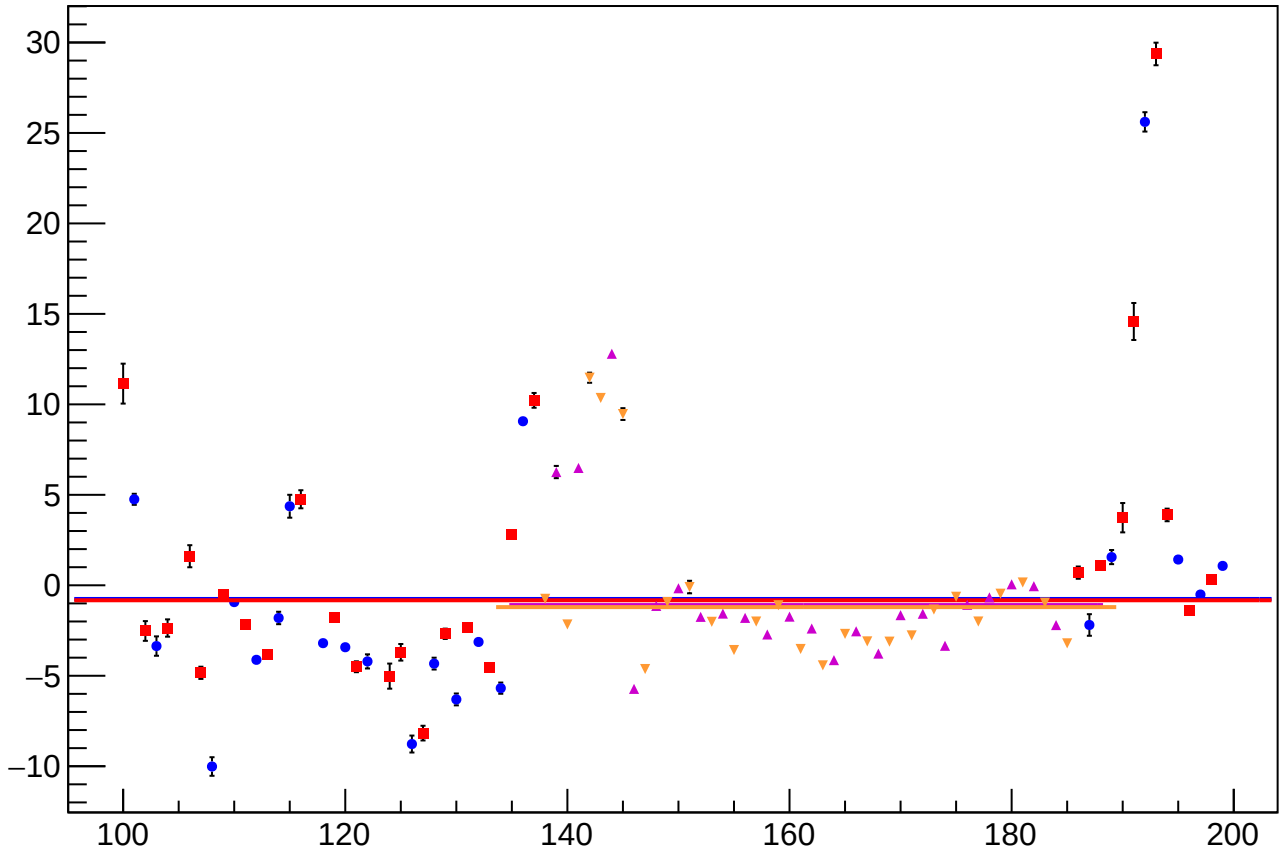
Left: -1.498+/-0.028 χ^2/NDF: 300971.3/47

Right: 0.381+/-0.032 χ^2/NDF: 229192.0/48

In: -0.274+/-0.031 χ^2/NDF:244582.4/44

Out: -1.030+/-0.029 χ^2/NDF:287221.1/51

All: -0.671+/-0.021 χ^2/NDF: 532125.0/96



Right In: -0.756+/-0.060 χ^2/NDF: 7293.5/21

Left Out: -1.206+/-0.036 χ^2/NDF:7003.0/24

Right Out: -0.827+/-0.056 χ^2/NDF: 5520.3/26

Left In: -1.094+/-0.035 χ^2/NDF:7029.2/22

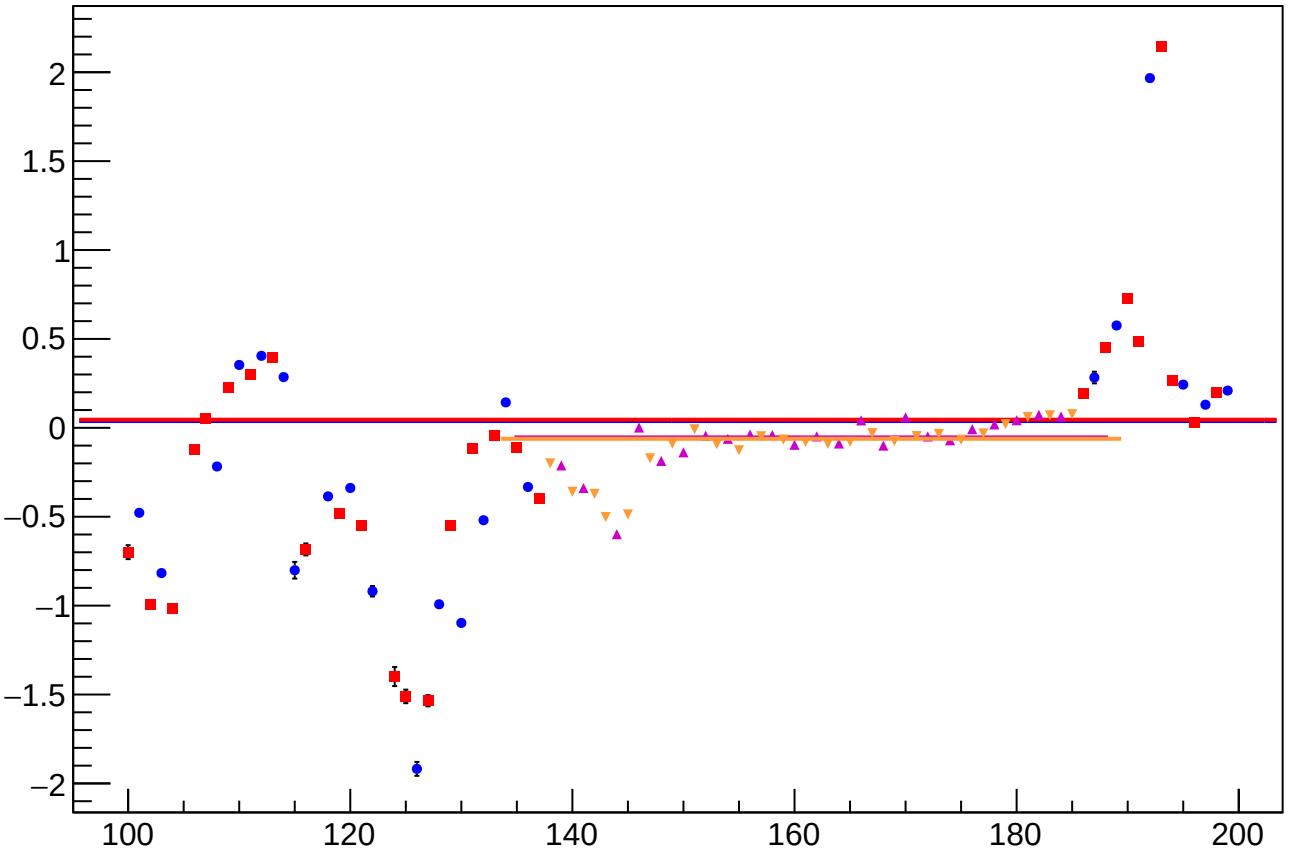
Left: -1.147+/-0.025 χ^2/NDF: 14037.2/47

Right: -0.794+/-0.041 χ^2/NDF: 12814.5/48

In: -1.009+/-0.030 χ^2/NDF:14346.2/44

Out: -1.095+/-0.031 χ^2/NDF:12555.1/51

All: -1.052+/-0.021 χ^2/NDF: 26905.4/96



Right In: 0.038+/-0.003 χ^2/NDF: 33199.4/21

Left Out: -0.062+/-0.002 χ^2/NDF:5711.9/24

Right Out: 0.046+/-0.003 χ^2/NDF: 33240.1/26

Left In: -0.054+/-0.001 χ^2/NDF:5029.9/22

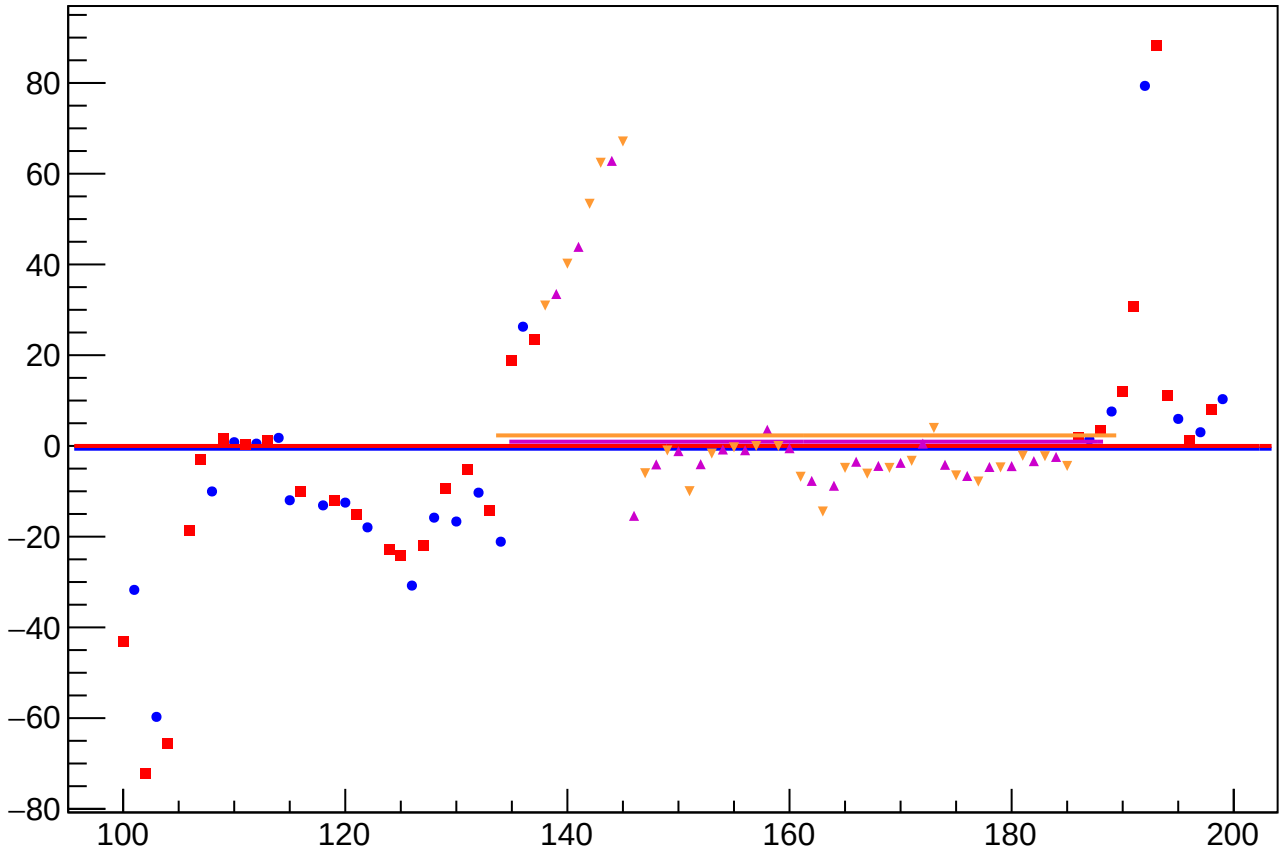
Left: -0.058+/-0.001 χ^2/NDF: 10754.7/47

Right: 0.042+/-0.002 χ^2/NDF: 66443.1/48

In: -0.034+/-0.001 χ^2/NDF:39050.1/44

Out: -0.036+/-0.001 χ^2/NDF:40062.7/51

All: -0.035+/-0.001 χ^2/NDF: 79113.5/96



Right In: -0.613+/-0.046 χ^2/NDF: 115960.0/21

Left Out: 2.318+/-0.040 χ^2/NDF:176746.3/24

Right Out: -0.005+/-0.039 χ^2/NDF: 116364.0/26

Left In: 0.935+/-0.040 χ^2/NDF:132405.3/22

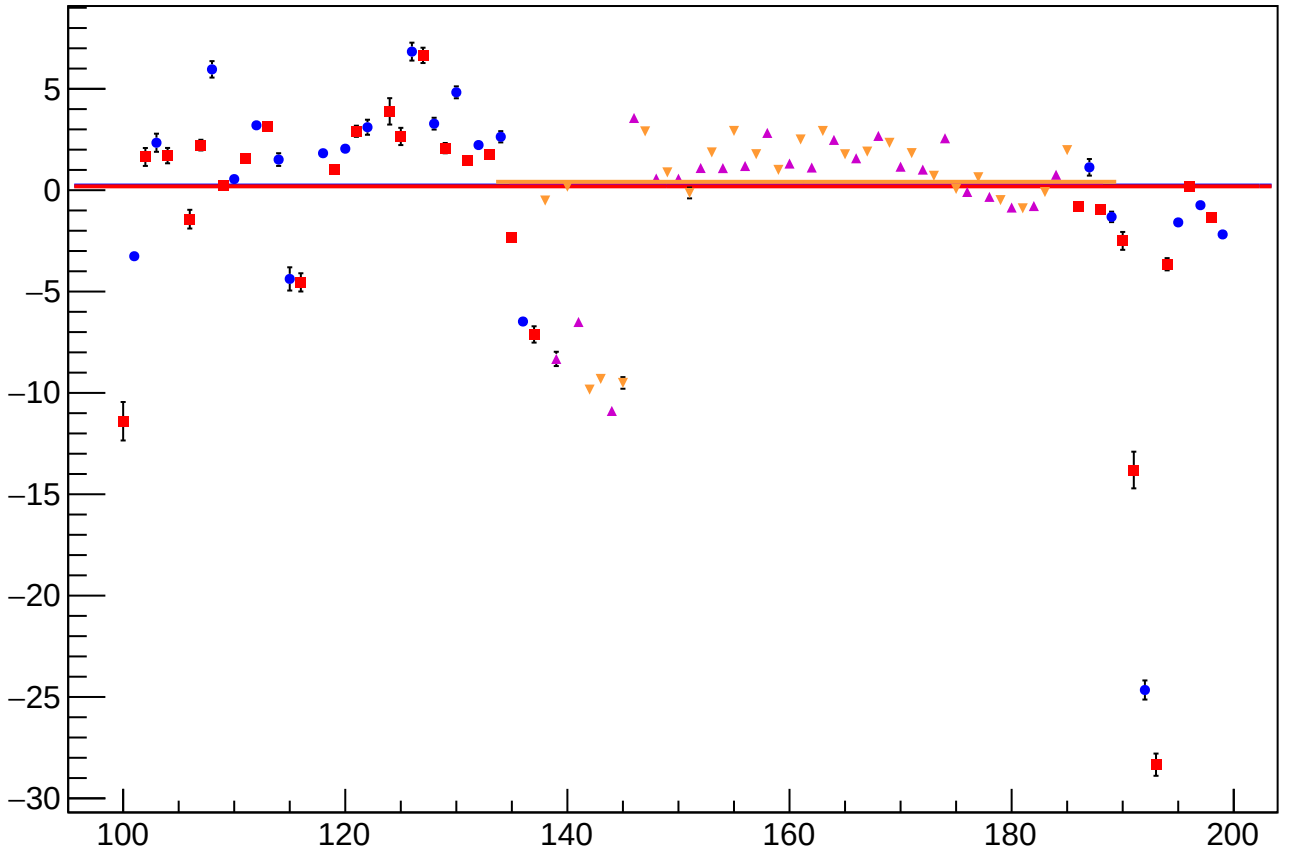
Left: 1.621+/-0.028 χ^2/NDF: 309750.0/47

Right: -0.258+/-0.030 χ^2/NDF: 232426.8/48

In: 0.269+/-0.030 χ^2/NDF:249015.6/44

Out: 1.111+/-0.028 χ^2/NDF:294850.8/51

All: 0.723+/-0.020 χ^2/NDF: 544289.1/96



Right In: 0.229+/-0.051 χ^2/NDF: 5899.2/21

Left Out: 0.414+/-0.033 χ^2/NDF:7047.2/24

Right Out: 0.190+/-0.048 χ^2/NDF: 5107.4/26

Left In: 0.389+/-0.031 χ^2/NDF:7114.2/22

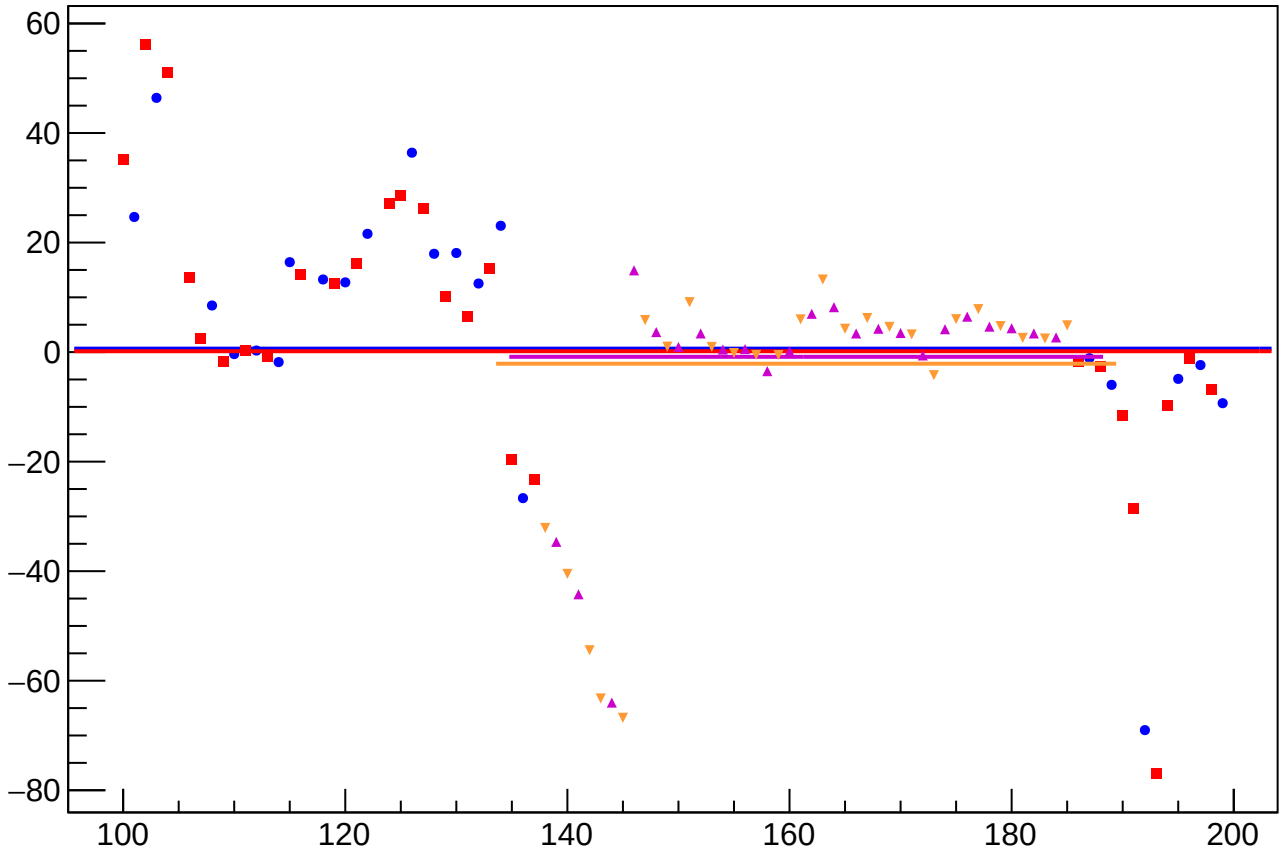
Left: 0.401+/-0.023 χ^2/NDF: 14161.7/47

Right: 0.208+/-0.035 χ^2/NDF: 11006.9/48

In: 0.345+/-0.027 χ^2/NDF:13020.6/44

Out: 0.343+/-0.027 χ^2/NDF:12169.5/51

All: 0.344+/-0.019 χ^2/NDF: 25190.1/96



Right In: 0.630+/-0.048 χ^2/NDF: 115178.4/21

Left Out: -2.119+/-0.040 χ^2/NDF:171039.7/24

Right Out: 0.159+/-0.042 χ^2/NDF: 114811.8/26

Left In: -0.859+/-0.039 χ^2/NDF:129084.9/22

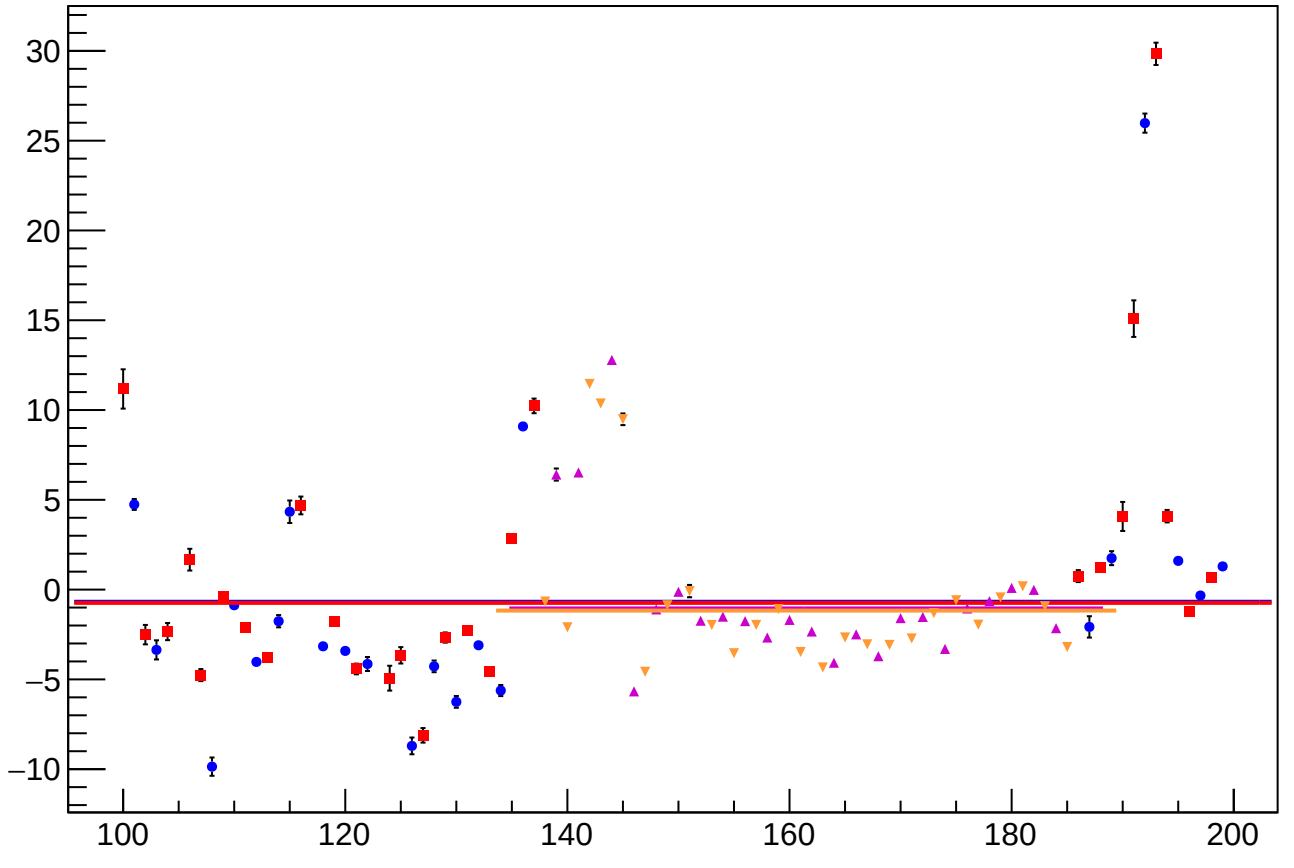
Left: -1.475+/-0.028 χ^2/NDF: 300629.4/47

Right: 0.361+/-0.032 χ^2/NDF: 230044.8/48

In: -0.265+/-0.030 χ^2/NDF:244837.5/44

Out: -1.025+/-0.029 χ^2/NDF:287401.0/51

All: -0.664+/-0.021 χ^2/NDF: 532566.3/96



Right In: -0.677+/-0.060 χ^2/NDF: 7401.9/21

Left Out: -1.167+/-0.036 χ^2/NDF:7001.4/24

Right Out: -0.738+/-0.056 χ^2/NDF: 5666.0/26

Left In: -1.048+/-0.035 χ^2/NDF:7040.7/22

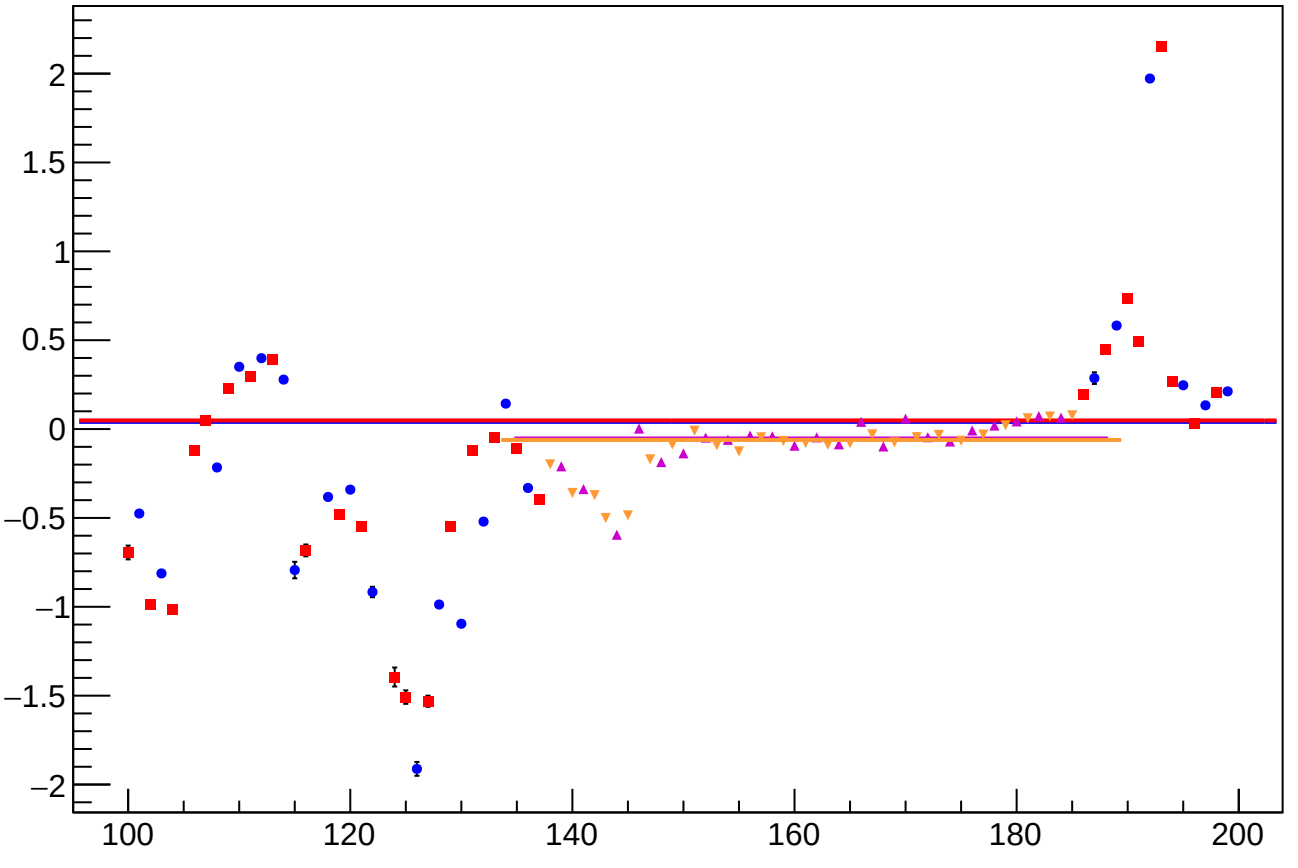
Left: -1.105+/-0.025 χ^2/NDF: 14047.8/47

Right: -0.710+/-0.041 χ^2/NDF: 13068.5/48

In: -0.955+/-0.030 χ^2/NDF:14471.4/44

Out: -1.042+/-0.030 χ^2/NDF:12708.6/51

All: -0.998+/-0.021 χ^2/NDF: 27184.2/96



Right In: 0.040+/-0.003 χ^2/NDF: 33465.9/21

Left Out: -0.061+/-0.002 χ^2/NDF:5729.4/24

Right Out: 0.049+/-0.003 χ^2/NDF: 33545.2/26

Left In: -0.053+/-0.001 χ^2/NDF:5006.2/22

Left: -0.057+/-0.001 χ^2/NDF: 10749.6/47

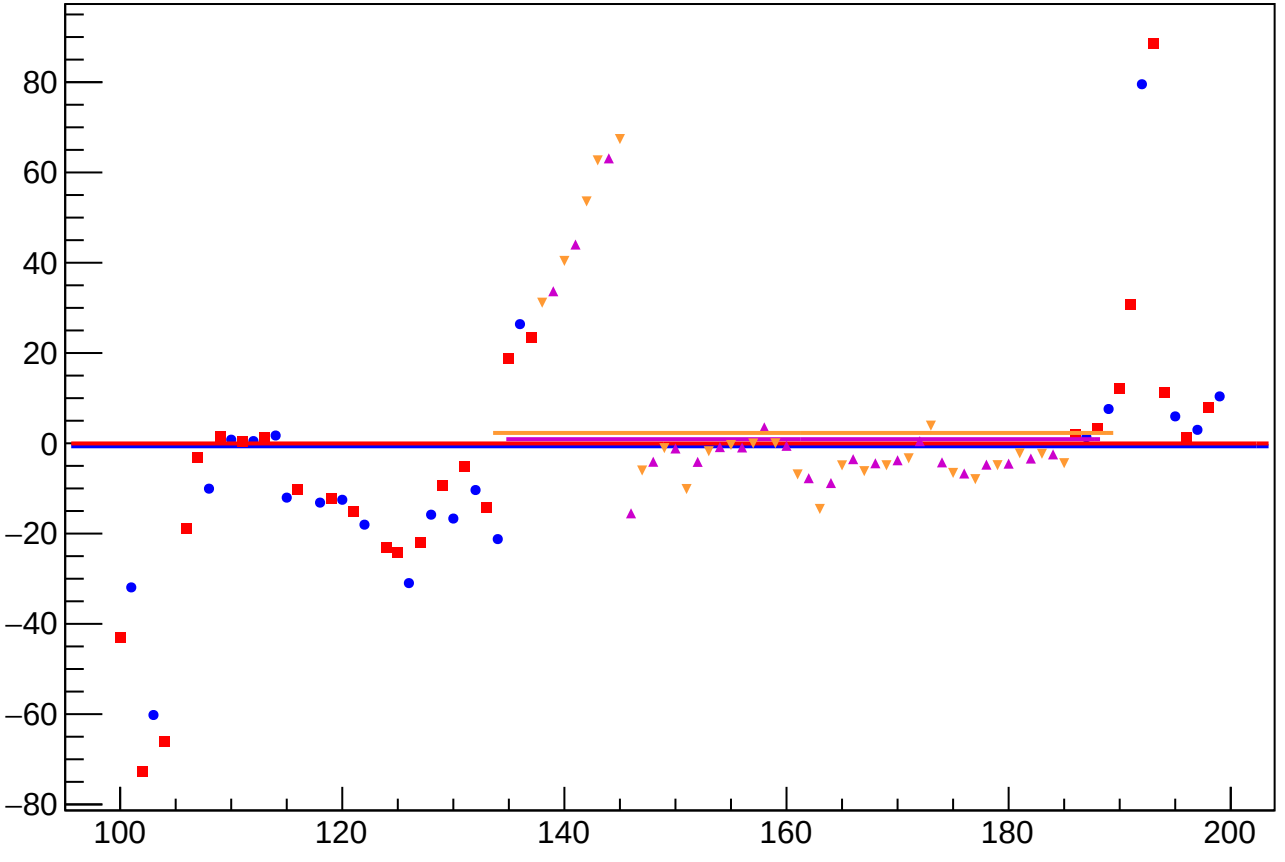
Right: 0.045+/-0.002 χ^2/NDF: 67015.4/48

In: -0.033+/-0.001 χ^2/NDF:39327.2/44

Out: -0.034+/-0.001 χ^2/NDF:40449.1/51

All: -0.034+/-0.001 χ^2/NDF: 79777.1/96

reg_asym_bcm_an_us_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -0.661+/-0.046 χ^2/NDF: 115953.7/21

Left Out: 2.296+/-0.040 χ^2/NDF:177186.2/24

Right Out: -0.033+/-0.039 χ^2/NDF: 116379.4/26

Left In: 0.912+/-0.040 χ^2/NDF:132573.8/22

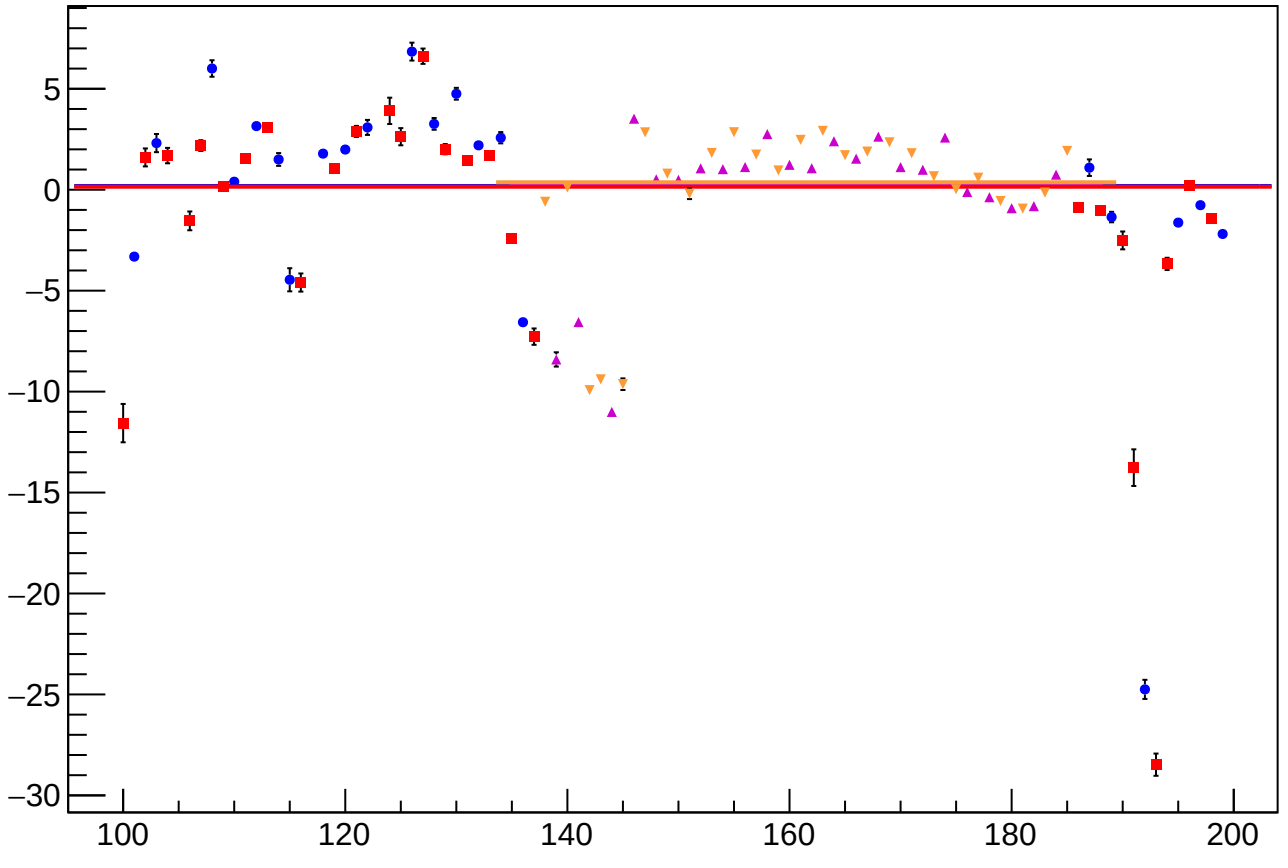
Left: 1.598+/-0.028 χ^2/NDF: 310354.3/47

Right: -0.293+/-0.030 χ^2/NDF: 232441.3/48

In: 0.238+/-0.030 χ^2/NDF:249191.6/44

Out: 1.088+/-0.028 χ^2/NDF:295298.4/51

All: 0.696+/-0.021 χ^2/NDF: 544916.2/96



Right In: 0.182+/-0.051 χ^2/NDF: 5883.5/21

Left Out: 0.368+/-0.033 χ^2/NDF:7068.0/24

Right Out: 0.150+/-0.048 χ^2/NDF: 5108.1/26

Left In: 0.337+/-0.031 χ^2/NDF:7094.3/22

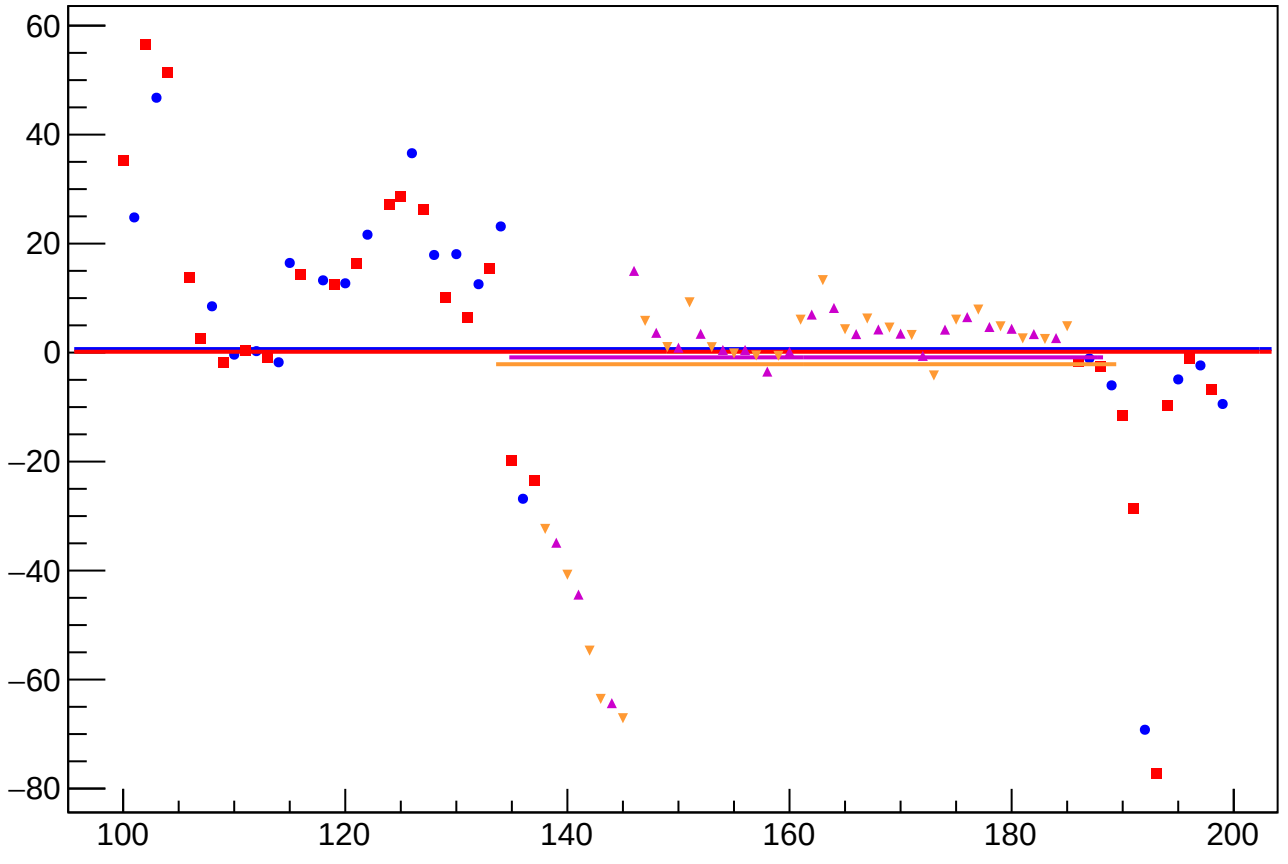
Left: 0.351+/-0.023 χ^2/NDF: 14162.7/47

Right: 0.165+/-0.035 χ^2/NDF: 10991.8/48

In: 0.294+/-0.027 χ^2/NDF:12984.4/44

Out: 0.298+/-0.027 χ^2/NDF:12190.0/51

All: 0.296+/-0.019 χ^2/NDF: 25174.4/96



Right In: 0.646+/-0.048 χ^2/NDF: 115186.5/21

Left Out: -2.133+/-0.040 χ^2/NDF:171466.8/24

Right Out: 0.155+/-0.042 χ^2/NDF: 114851.5/26

Left In: -0.871+/-0.039 χ^2/NDF:129263.4/22

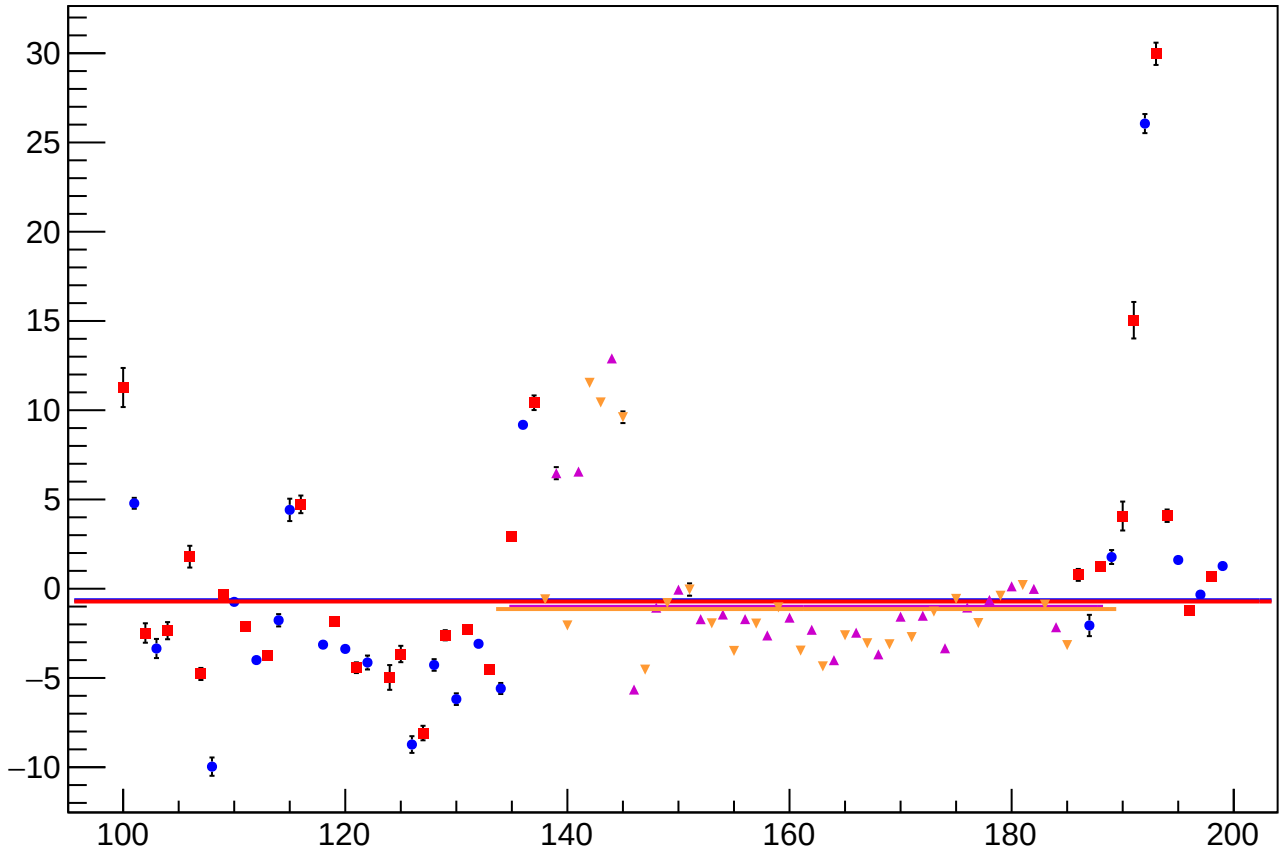
Left: -1.488+/-0.028 χ^2/NDF: 301231.6/47

Right: 0.365+/-0.032 χ^2/NDF: 230096.9/48

In: -0.268+/-0.031 χ^2/NDF:245040.8/44

Out: -1.033+/-0.029 χ^2/NDF:287868.8/51

All: -0.670+/-0.021 χ^2/NDF: 533239.3/96



Right In: -0.646+/-0.060 χ^2/NDF: 7394.4/21

Left Out: -1.140+/-0.036 χ^2/NDF:7022.9/24

Right Out: -0.716+/-0.056 χ^2/NDF: 5677.8/26

Left In: -1.013+/-0.035 χ^2/NDF:7027.2/22

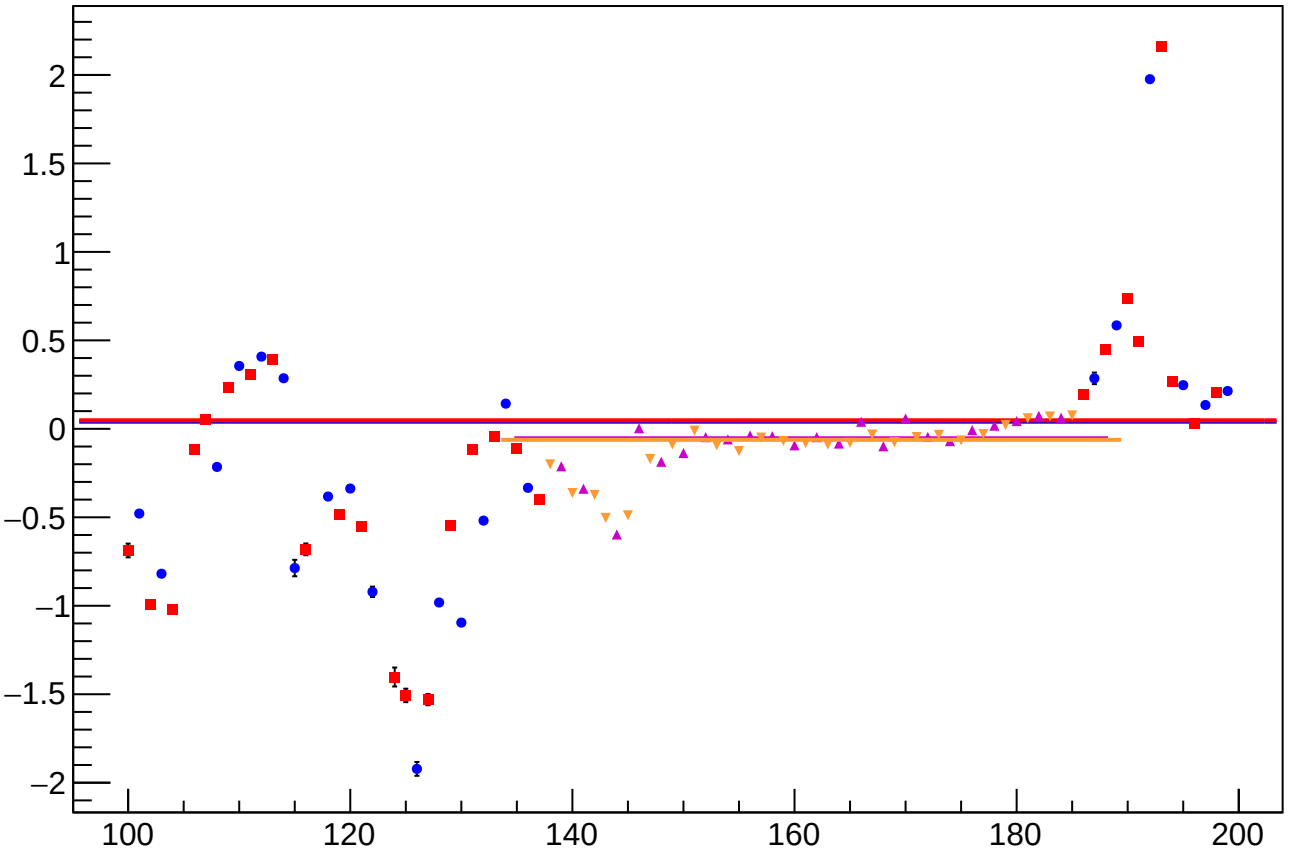
Left: -1.074+/-0.025 χ^2/NDF: 14056.4/47

Right: -0.683+/-0.041 χ^2/NDF: 13073.0/48

In: -0.921+/-0.030 χ^2/NDF:14449.5/44

Out: -1.016+/-0.031 χ^2/NDF:12740.6/51

All: -0.968+/-0.021 χ^2/NDF: 27195.0/96



Right In: 0.040+/-0.003 χ^2/NDF: 33458.9/21

Left Out: -0.062+/-0.002 χ^2/NDF:5736.1/24

Right Out: 0.048+/-0.003 χ^2/NDF: 33502.7/26

Left In: -0.053+/-0.001 χ^2/NDF:4993.7/22

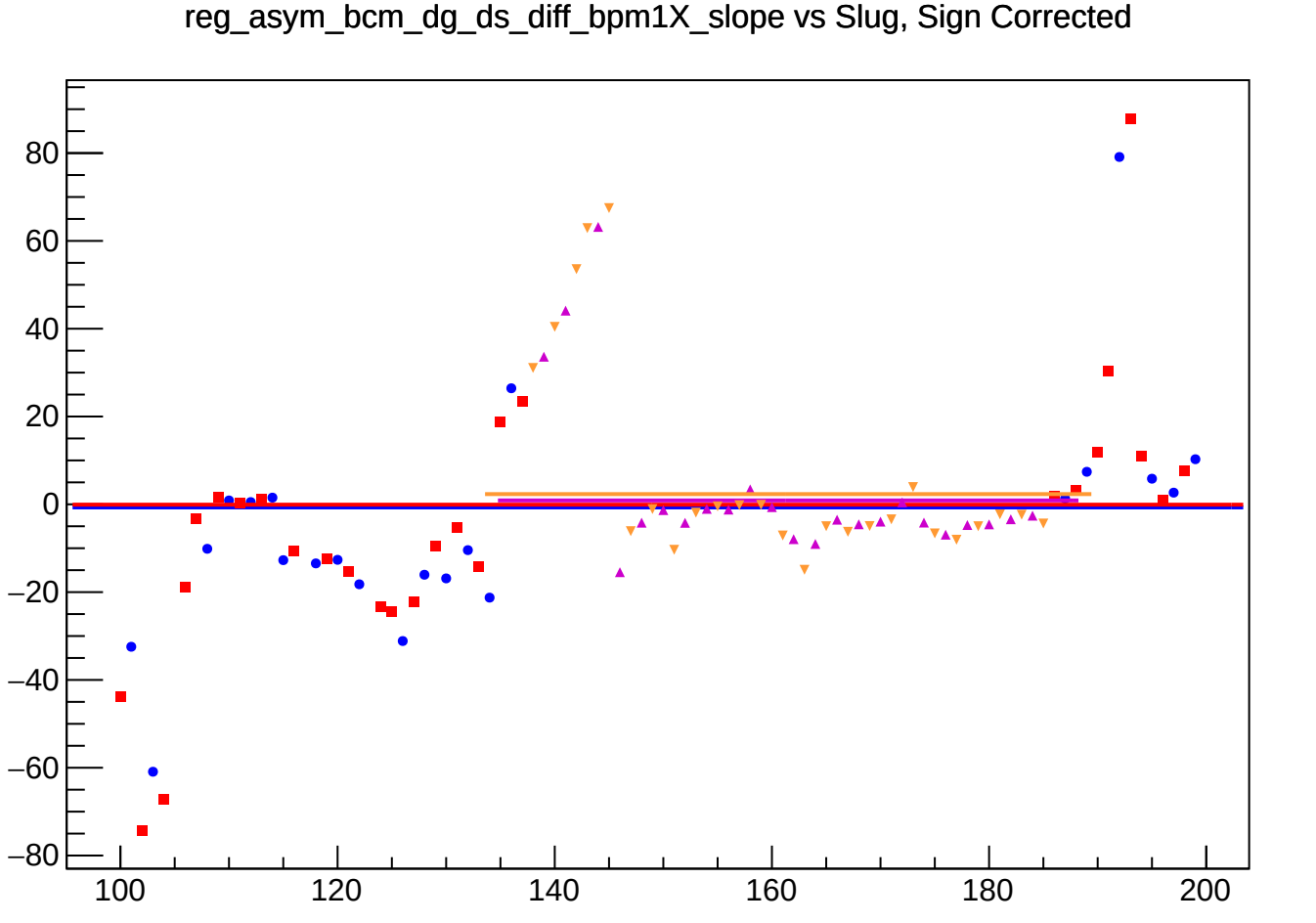
Left: -0.057+/-0.001 χ^2/NDF: 10746.2/47

Right: 0.044+/-0.002 χ^2/NDF: 66965.5/48

In: -0.033+/-0.001 χ^2/NDF:39299.6/44

Out: -0.035+/-0.001 χ^2/NDF:40413.3/51

All: -0.034+/-0.001 χ^2/NDF: 79714.3/96



Right In: -0.705+/-0.047 χ^2/NDF: 114135.6/21

Left Out: 2.329+/-0.041 χ^2/NDF:174647.6/24

Right Out: -0.083+/-0.040 χ^2/NDF: 114704.3/26

Left In: 0.887+/-0.041 χ^2/NDF:130417.3/22

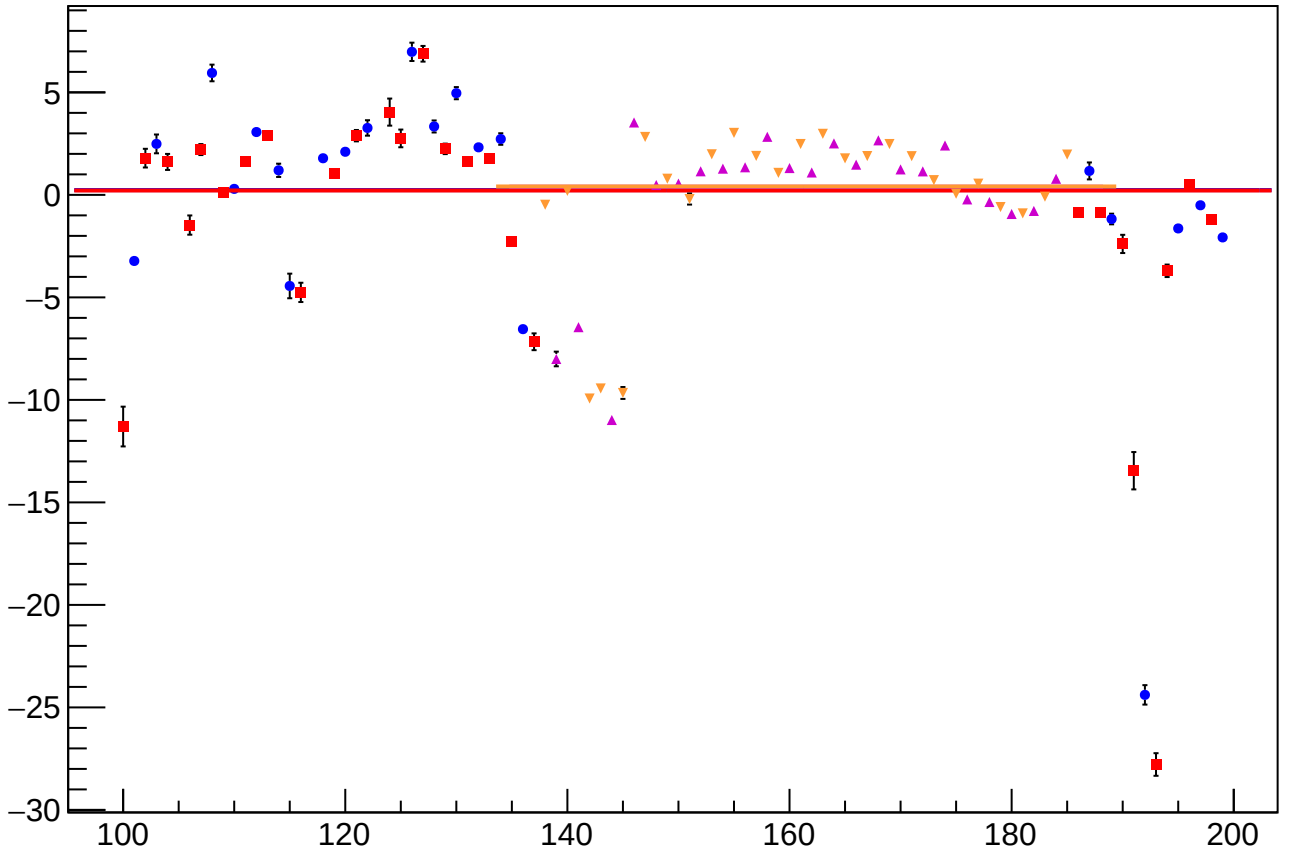
Left: 1.602+/-0.029 χ^2/NDF: 305685.7/47

Right: -0.342+/-0.030 χ^2/NDF: 228943.0/48

In: 0.201+/-0.031 χ^2/NDF:245210.6/44

Out: 1.076+/-0.028 χ^2/NDF:291143.2/51

All: 0.672+/-0.021 χ^2/NDF: 536789.8/96



Right In: 0.234+/-0.052 χ^2/NDF: 5719.9/21

Left Out: 0.410+/-0.033 χ^2/NDF:7047.9/24

Right Out: 0.214+/-0.049 χ^2/NDF: 4881.2/26

Left In: 0.396+/-0.032 χ^2/NDF:6932.0/22

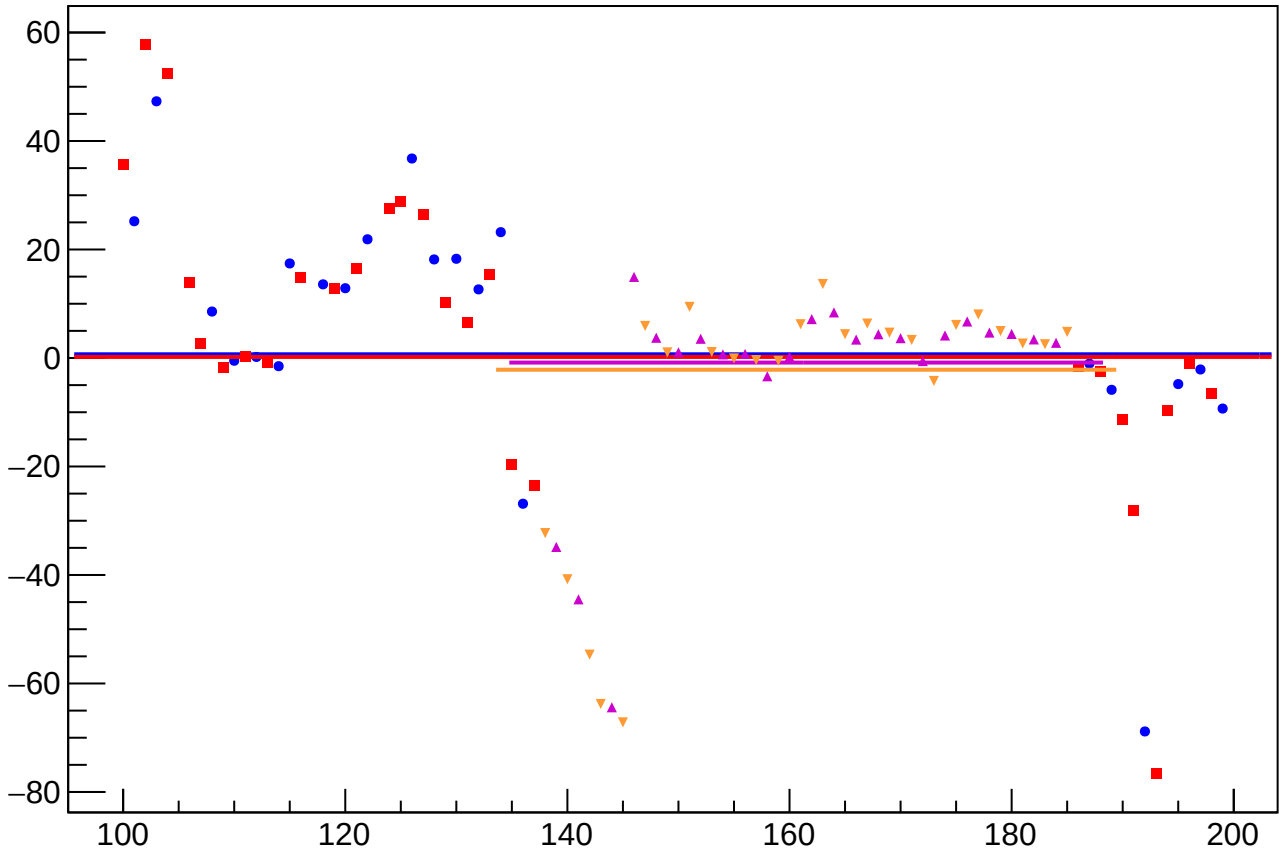
Left: 0.403+/-0.023 χ^2/NDF: 13980.0/47

Right: 0.224+/-0.036 χ^2/NDF: 10601.2/48

In: 0.352+/-0.027 χ^2/NDF:12658.9/44

Out: 0.347+/-0.028 χ^2/NDF:11940.0/51

All: 0.350+/-0.019 χ^2/NDF: 24598.9/96



Right In: 0.681+/-0.049 χ^2/NDF: 113401.3/21

Left Out: -2.163+/-0.041 χ^2/NDF:168990.2/24

Right Out: 0.197+/-0.042 χ^2/NDF: 113188.8/26

Left In: -0.843+/-0.040 χ^2/NDF:127135.3/22

Left: -1.489+/-0.029 χ^2/NDF: 296654.1/47

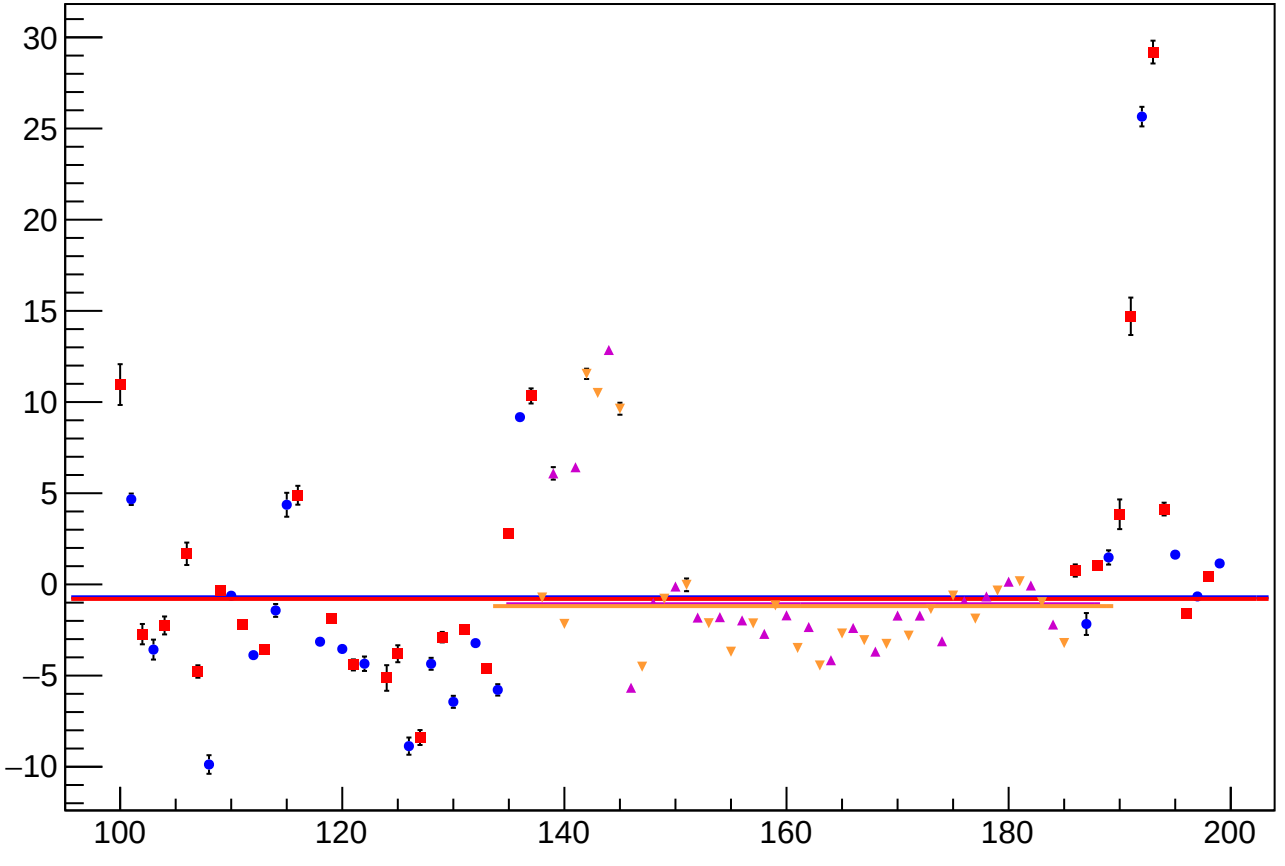
Right: 0.404+/-0.032 χ^2/NDF: 226645.9/48

In: -0.231+/-0.031 χ^2/NDF:241114.0/44

Out: -1.021+/-0.029 χ^2/NDF:283778.0/51

All: -0.647+/-0.021 χ^2/NDF: 525232.2/96

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.707+/-0.061 χ^2/NDF: 7232.5/21

Left Out: -1.190+/-0.037 χ^2/NDF:6995.9/24

Right Out: -0.795+/-0.057 χ^2/NDF: 5458.1/26

Left In: -1.089+/-0.036 χ^2/NDF:6840.8/22

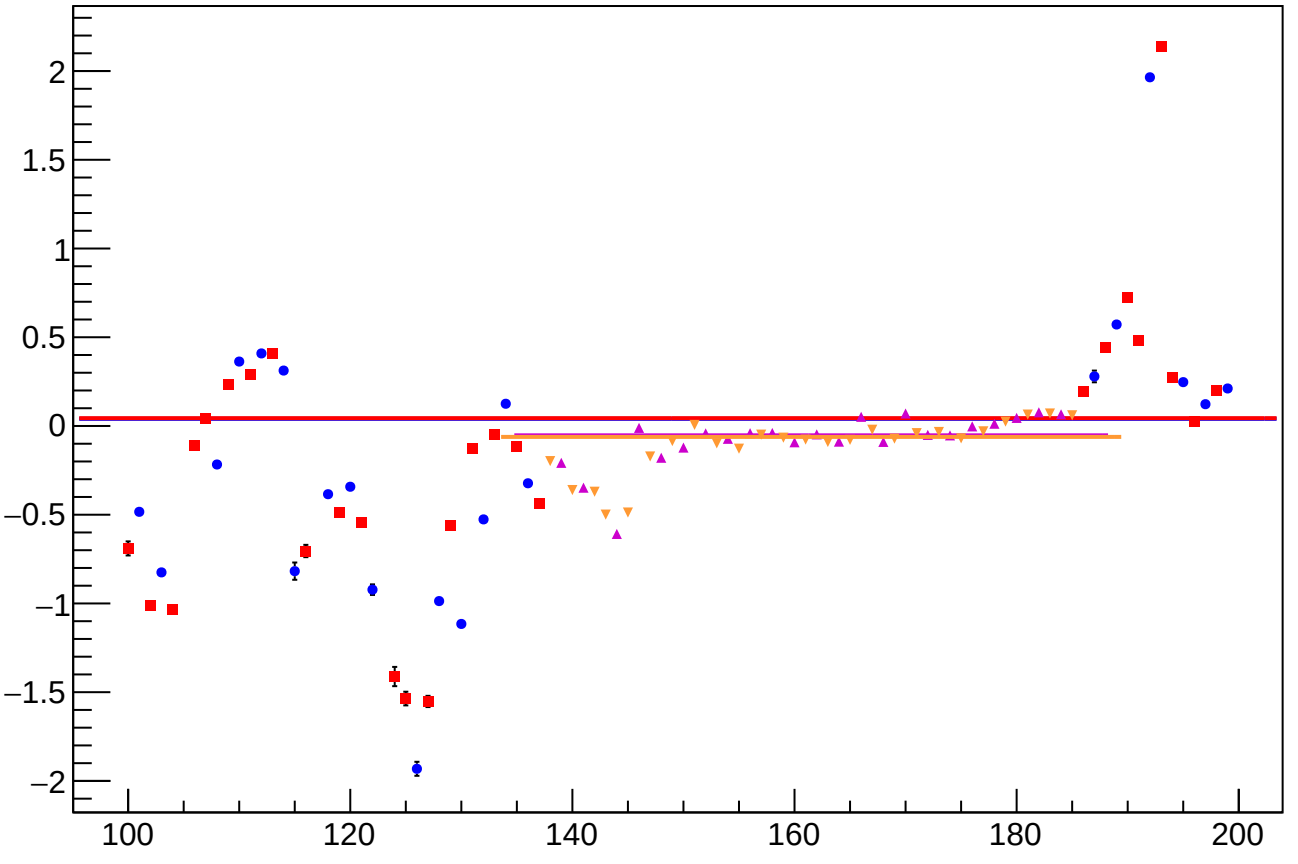
Left: -1.138+/-0.026 χ^2/NDF: 13840.6/47

Right: -0.754+/-0.042 χ^2/NDF: 12691.7/48

In: -0.993+/-0.031 χ^2/NDF:14102.4/44

Out: -1.074+/-0.031 χ^2/NDF:12487.5/51

All: -1.033+/-0.022 χ^2/NDF: 26593.4/96



Right In: 0.040+/-0.003 χ^2/NDF: 32733.8/21

Left Out: -0.062+/-0.002 χ^2/NDF:5563.5/24

Right Out: 0.044+/-0.003 χ^2/NDF: 33003.2/26

Left In: -0.053+/-0.002 χ^2/NDF:5036.0/22

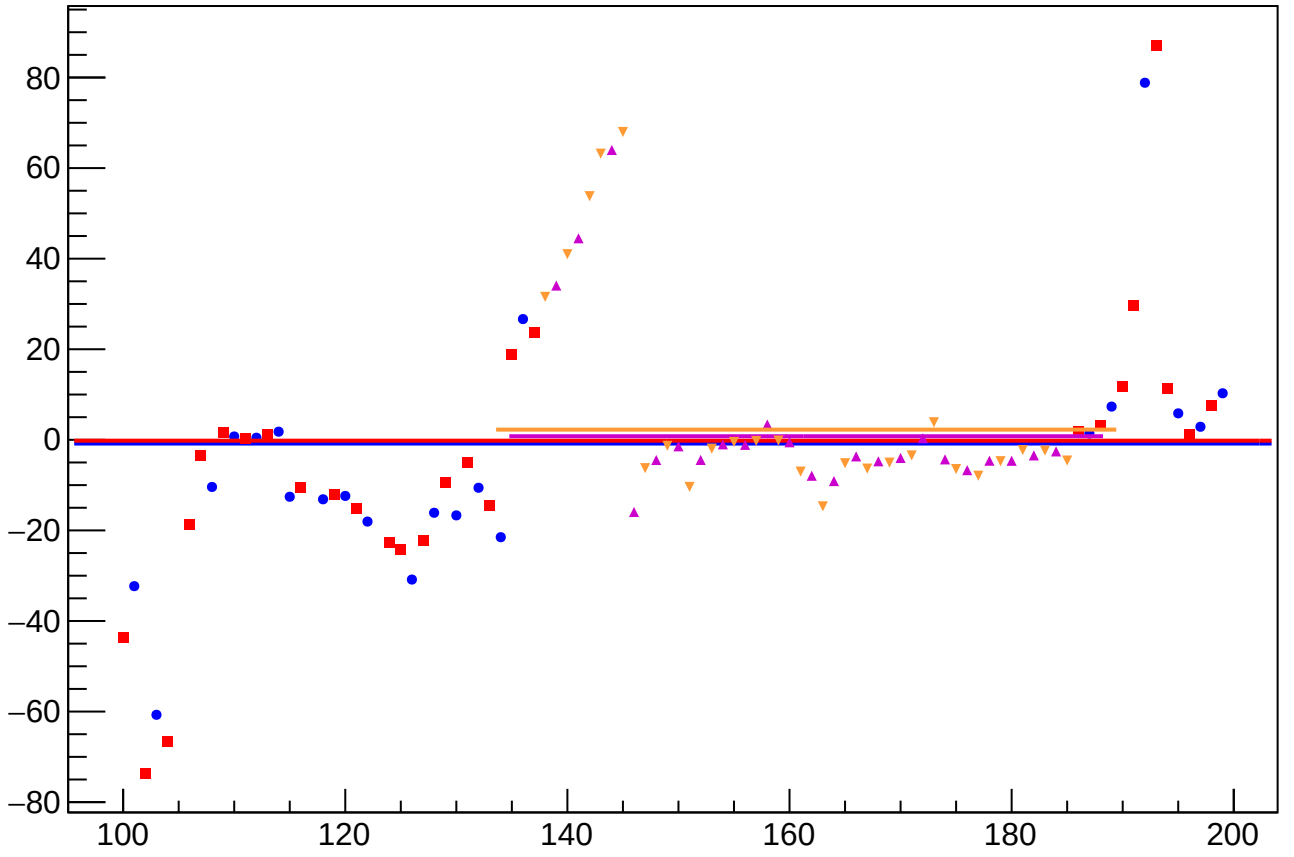
Left: -0.057+/-0.001 χ^2/NDF: 10615.2/47

Right: 0.042+/-0.002 χ^2/NDF: 65737.9/48

In: -0.032+/-0.001 χ^2/NDF:38584.5/44

Out: -0.036+/-0.001 χ^2/NDF:39610.9/51

All: -0.034+/-0.001 χ^2/NDF: 78198.4/96



Right In: -0.820+/-0.048 χ^2/NDF: 112429.7/21

Left Out: 2.255+/-0.041 χ^2/NDF:171671.4/24

Right Out: -0.184+/-0.040 χ^2/NDF: 112553.6/26

Left In: 0.794+/-0.041 χ^2/NDF:128828.3/22

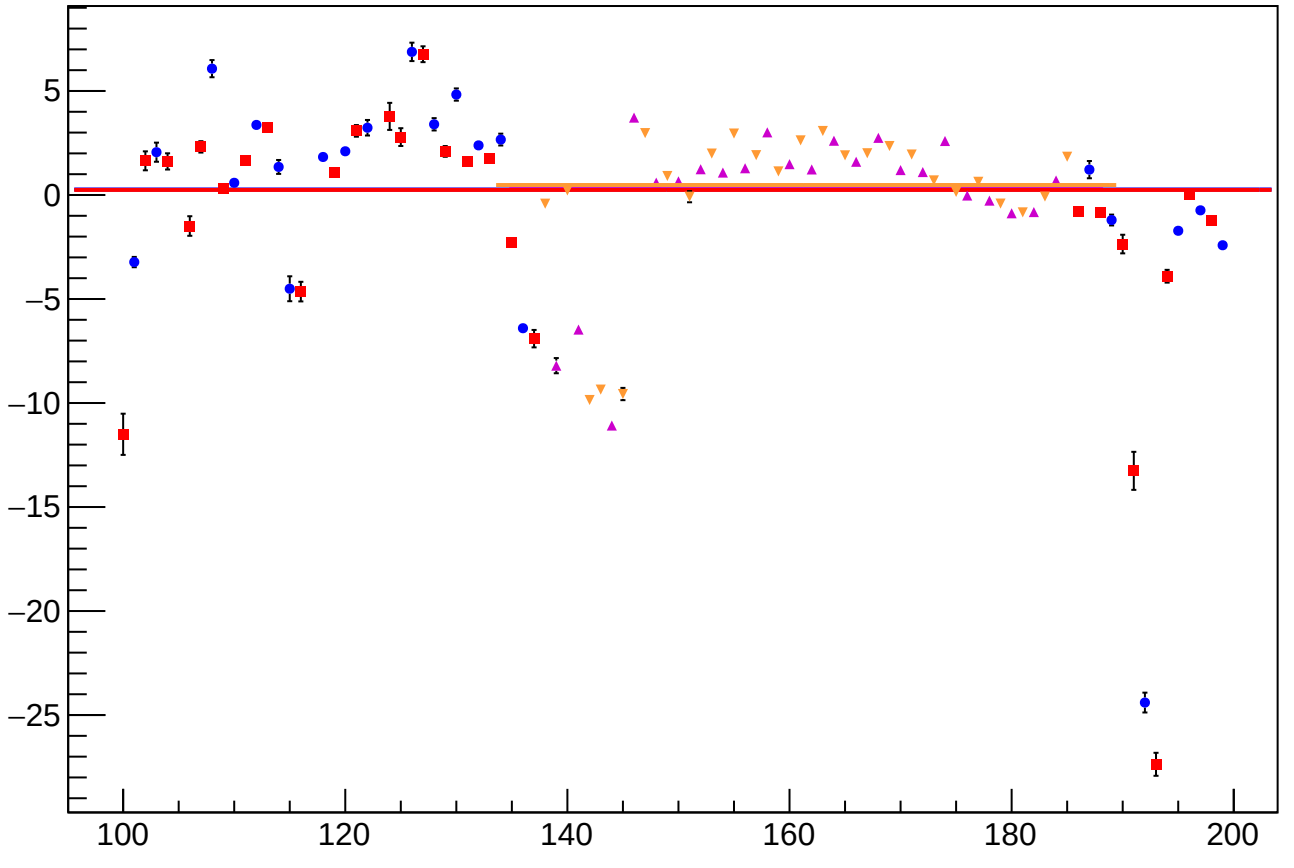
Left: 1.518+/-0.029 χ^2/NDF: 301124.7/47

Right: -0.451+/-0.031 χ^2/NDF: 225087.0/48

In: 0.103+/-0.031 χ^2/NDF:241915.6/44

Out: 1.003+/-0.029 χ^2/NDF:285998.6/51

All: 0.586+/-0.021 χ^2/NDF: 528361.5/96



Right In: 0.265+/-0.053 χ^2/NDF: 5690.6/21

Left Out: 0.479+/-0.034 χ^2/NDF:6808.1/24

Right Out: 0.244+/-0.049 χ^2/NDF: 4772.1/26

Left In: 0.440+/-0.032 χ^2/NDF:6893.7/22

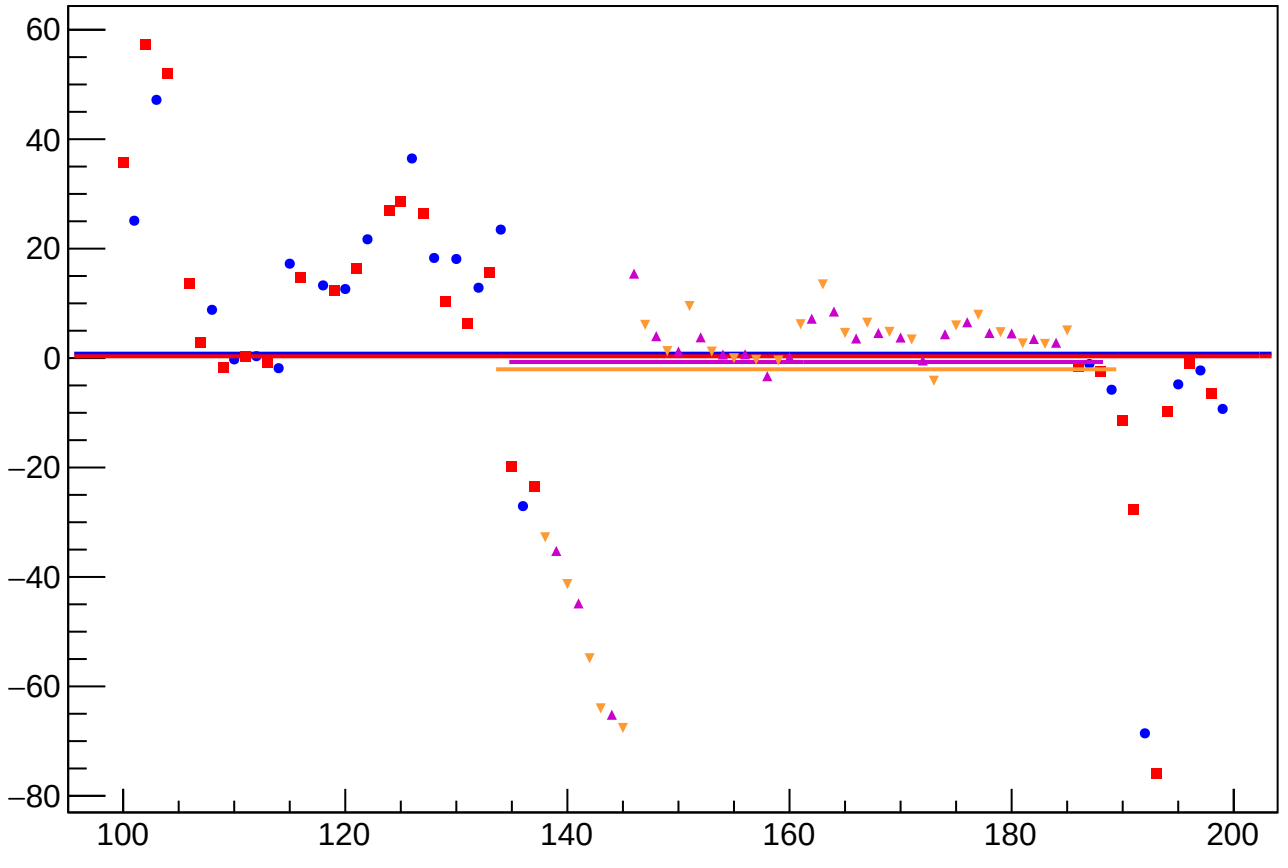
Left: 0.458+/-0.023 χ^2/NDF: 13702.5/47

Right: 0.254+/-0.036 χ^2/NDF: 10462.8/48

In: 0.392+/-0.028 χ^2/NDF:12592.4/44

Out: 0.404+/-0.028 χ^2/NDF:11595.5/51

All: 0.398+/-0.020 χ^2/NDF: 24188.0/96



Right In: 0.806+/-0.050 χ^2/NDF: 111694.4/21

Left Out: -2.051+/-0.041 χ^2/NDF:166009.6/24

Right Out: 0.324+/-0.043 χ^2/NDF: 111060.2/26

Left In: -0.720+/-0.041 χ^2/NDF:125531.3/22

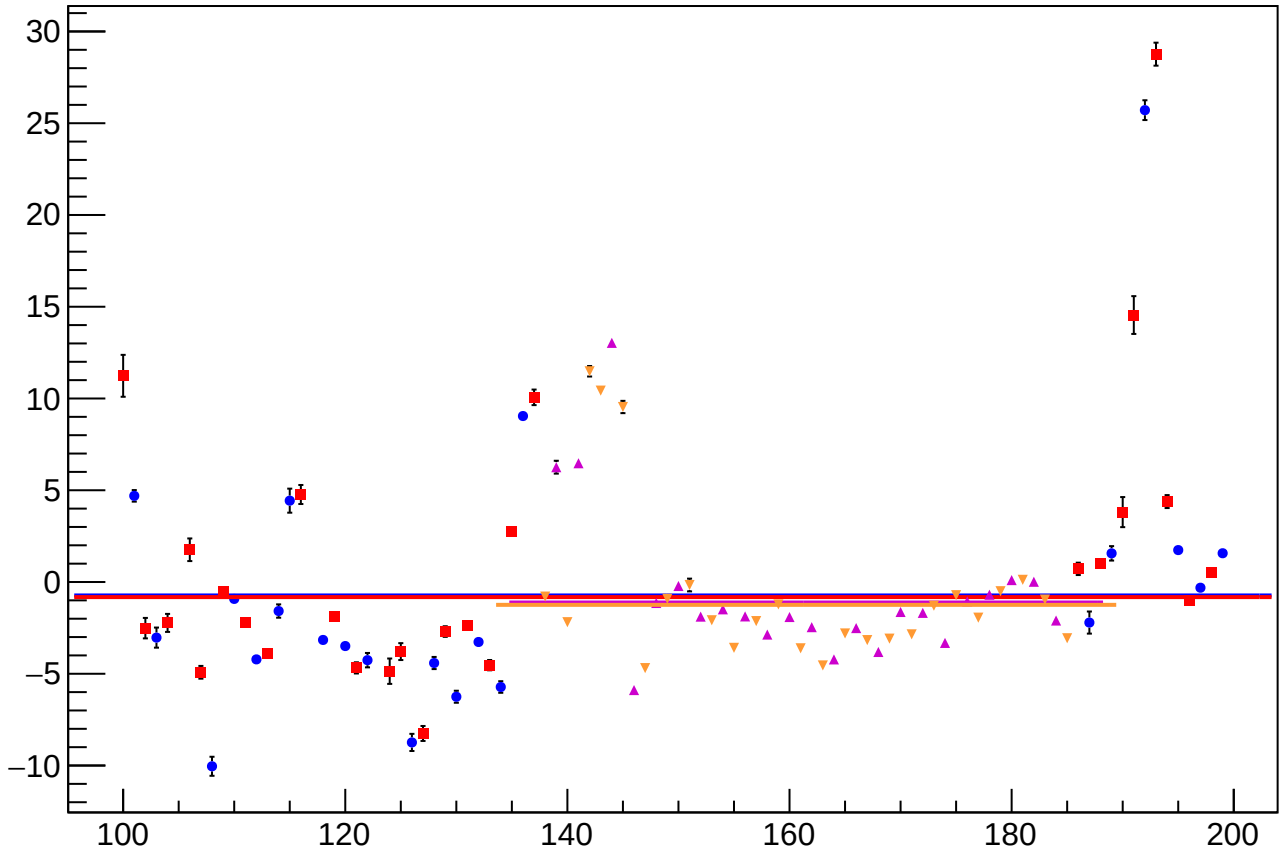
Left: -1.371+/-0.029 χ^2/NDF: 292067.4/47

Right: 0.531+/-0.033 χ^2/NDF: 222808.3/48

In: -0.110+/-0.031 χ^2/NDF:237791.4/44

Out: -0.910+/-0.030 χ^2/NDF:278646.0/51

All: -0.530+/-0.022 χ^2/NDF: 516778.2/96



Right In: -0.733+/-0.062 χ^2/NDF: 7116.6/21

Left Out: -1.244+/-0.037 χ^2/NDF:6768.7/24

Right Out: -0.823+/-0.058 χ^2/NDF: 5304.4/26

Left In: -1.117+/-0.036 χ^2/NDF:6840.3/22

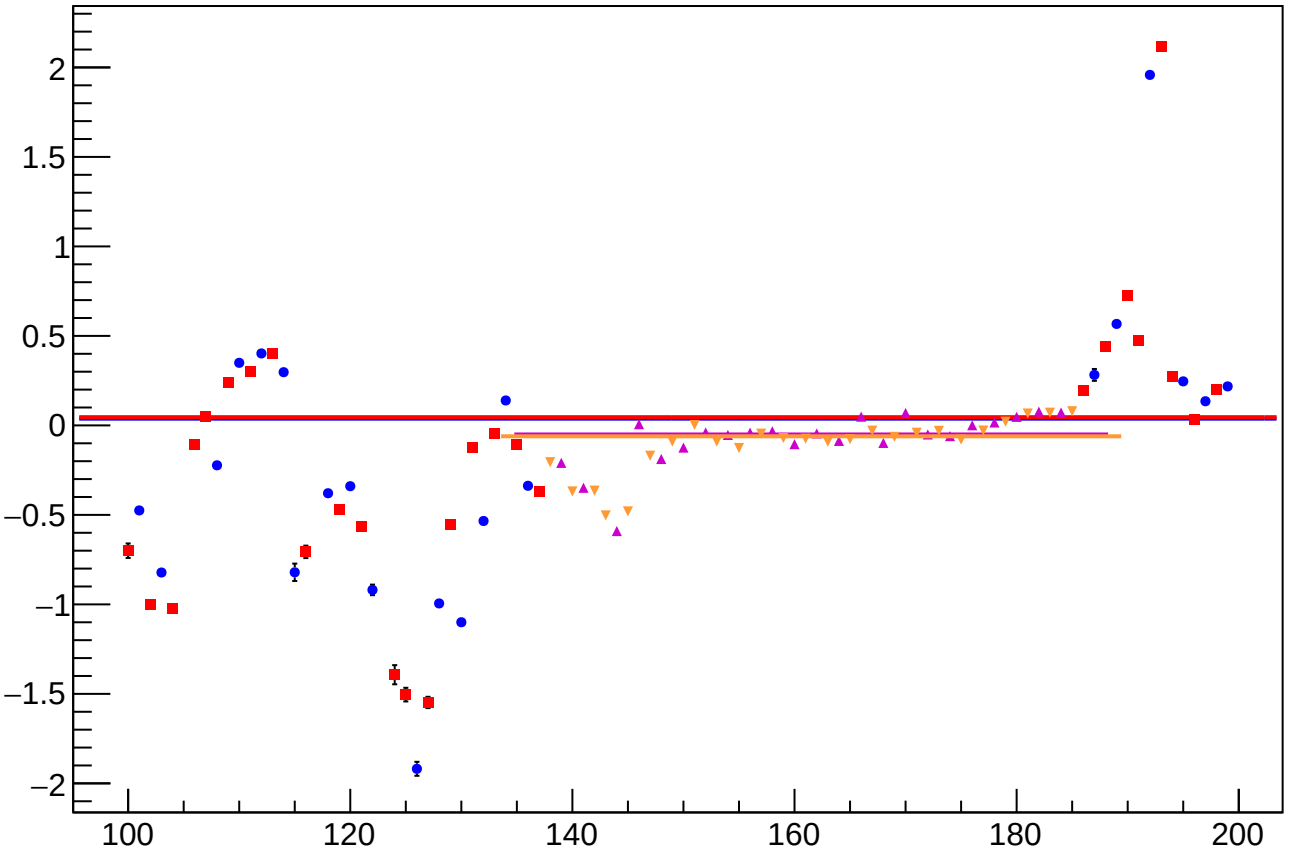
Left: -1.178+/-0.026 χ^2/NDF: 13615.0/47

Right: -0.780+/-0.042 χ^2/NDF: 12422.1/48

In: -1.020+/-0.031 χ^2/NDF:13985.8/44

Out: -1.121+/-0.031 χ^2/NDF:12110.3/51

All: -1.070+/-0.022 χ^2/NDF: 26101.3/96



Right In: 0.038+/-0.003 χ^2/NDF: 32361.7/21

Left Out: -0.061+/-0.002 χ^2/NDF:5479.8/24

Right Out: 0.046+/-0.003 χ^2/NDF: 32118.3/26

Left In: -0.051+/-0.002 χ^2/NDF:4878.7/22

Left: -0.056+/-0.001 χ^2/NDF: 10379.1/47

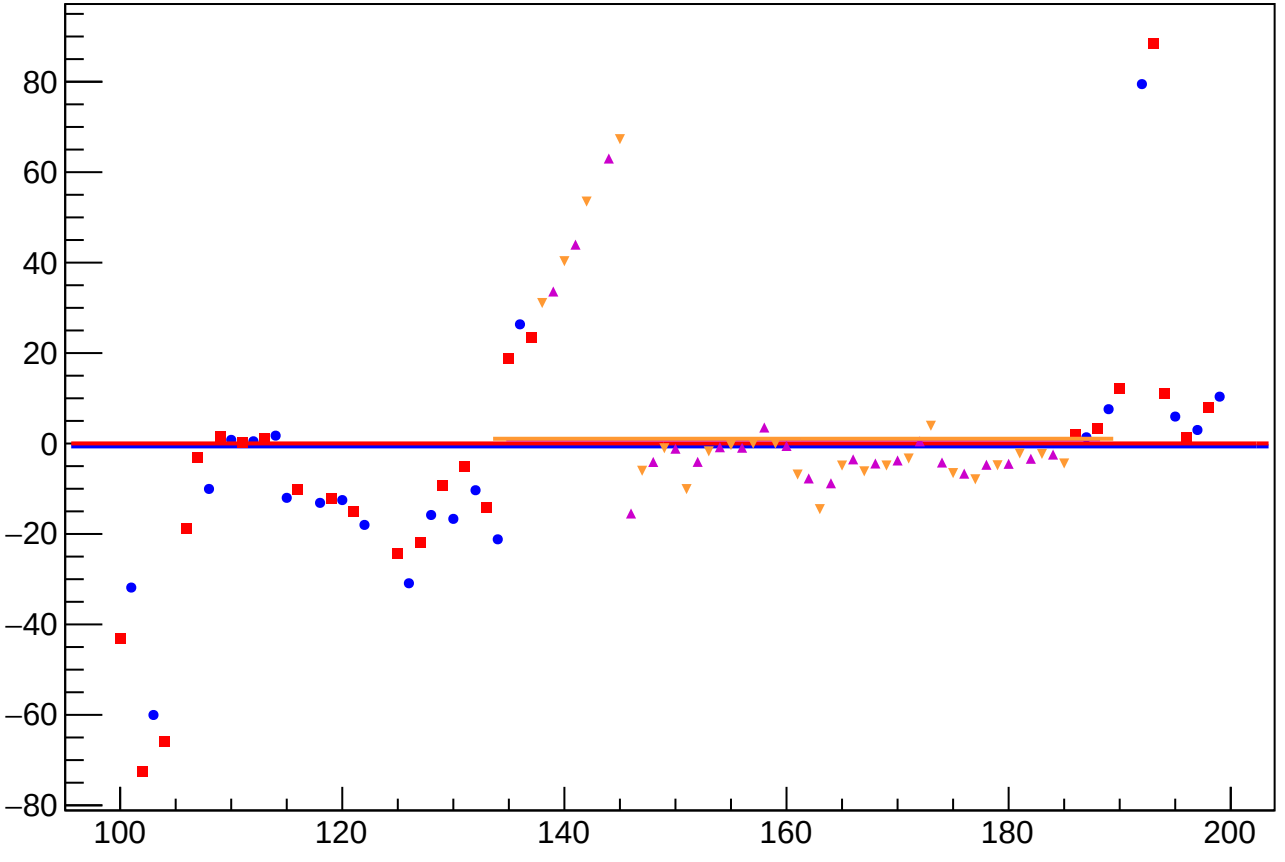
Right: 0.042+/-0.002 χ^2/NDF: 64483.9/48

In: -0.031+/-0.001 χ^2/NDF:37961.6/44

Out: -0.035+/-0.001 χ^2/NDF:38636.5/51

All: -0.033+/-0.001 χ^2/NDF: 76601.7/96

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -0.637+/-0.046 χ^2/NDF: 116168.2/21

Left Out: 1.053+/-0.041 χ^2/NDF:131031.0/23

Right Out: 0.022+/-0.039 χ^2/NDF: 113722.5/24

Left In: 0.913+/-0.040 χ^2/NDF:132807.5/22

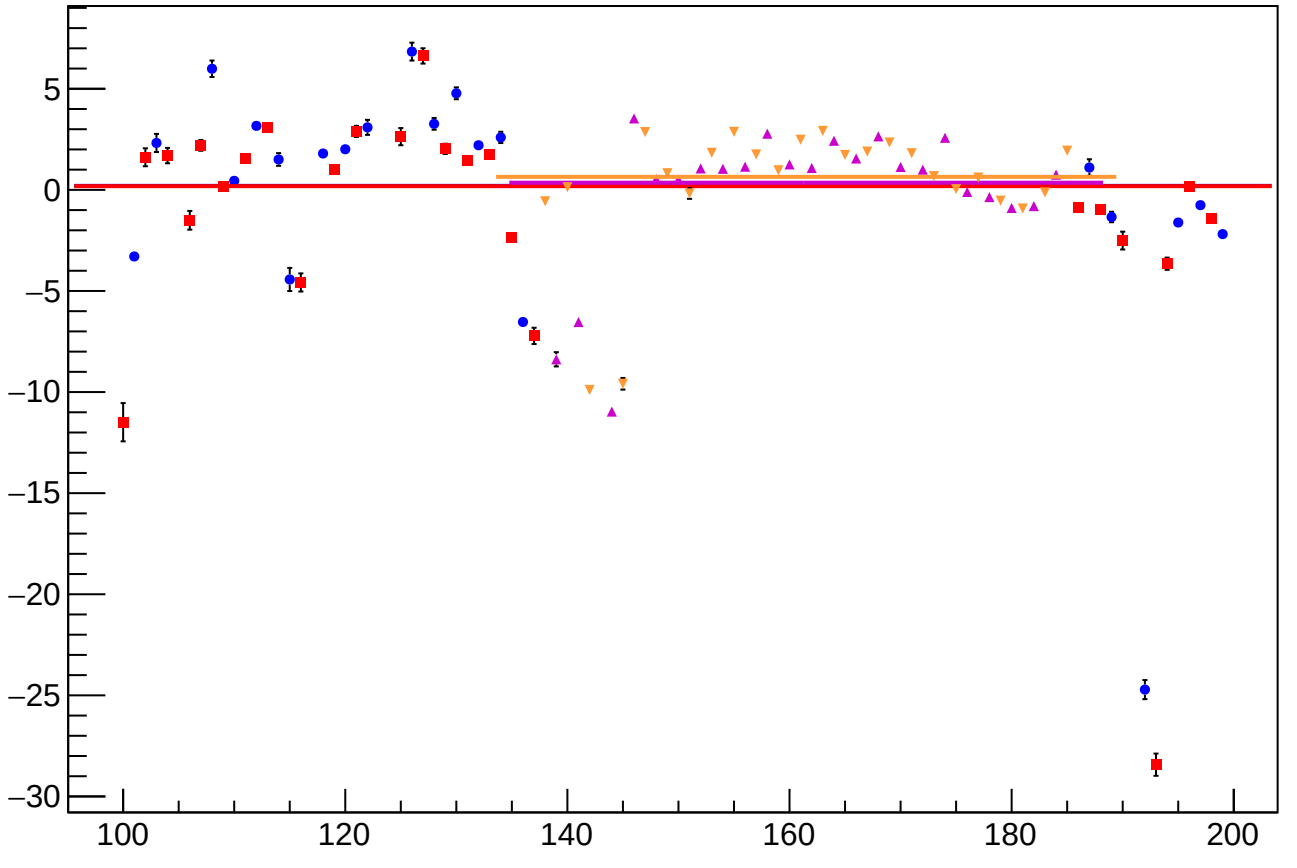
Left: 0.982+/-0.028 χ^2/NDF: 263844.6/46

Right: -0.252+/-0.030 χ^2/NDF: 230011.0/46

In: 0.247+/-0.030 χ^2/NDF:249625.9/44

Out: 0.514+/-0.028 χ^2/NDF:245091.5/48

All: 0.390+/-0.021 χ^2/NDF: 494759.4/93



Right In: 0.197+/-0.051 χ^2/NDF: 5899.8/21

Left Out: 0.644+/-0.033 χ^2/NDF:4711.1/23

Right Out: 0.184+/-0.048 χ^2/NDF: 4846.9/24

Left In: 0.355+/-0.031 χ^2/NDF:7117.0/22

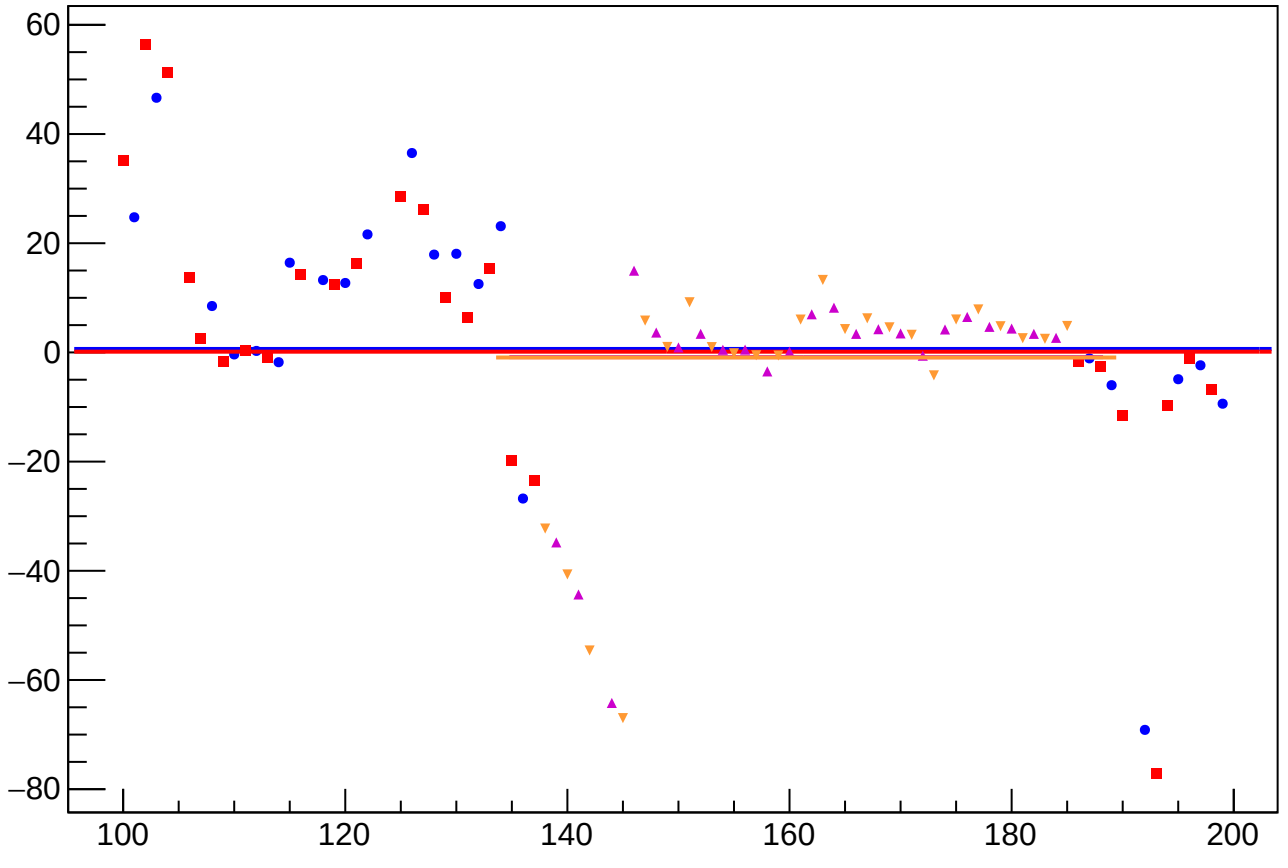
Left: 0.491+/-0.023 χ^2/NDF: 11868.0/46

Right: 0.190+/-0.035 χ^2/NDF: 10746.7/46

In: 0.312+/-0.027 χ^2/NDF:13023.7/44

Out: 0.496+/-0.027 χ^2/NDF:9619.7/48

All: 0.402+/-0.019 χ^2/NDF: 22666.5/93



Right In: 0.634+/-0.048 χ^2/NDF: 115394.8/21

Left Out: -0.929+/-0.041 χ^2/NDF:126378.7/23

Right Out: 0.135+/-0.042 χ^2/NDF: 112267.8/24

Left In: -0.860+/-0.039 χ^2/NDF:129485.0/22

Left: -0.894+/-0.028 χ^2/NDF: 255865.2/46

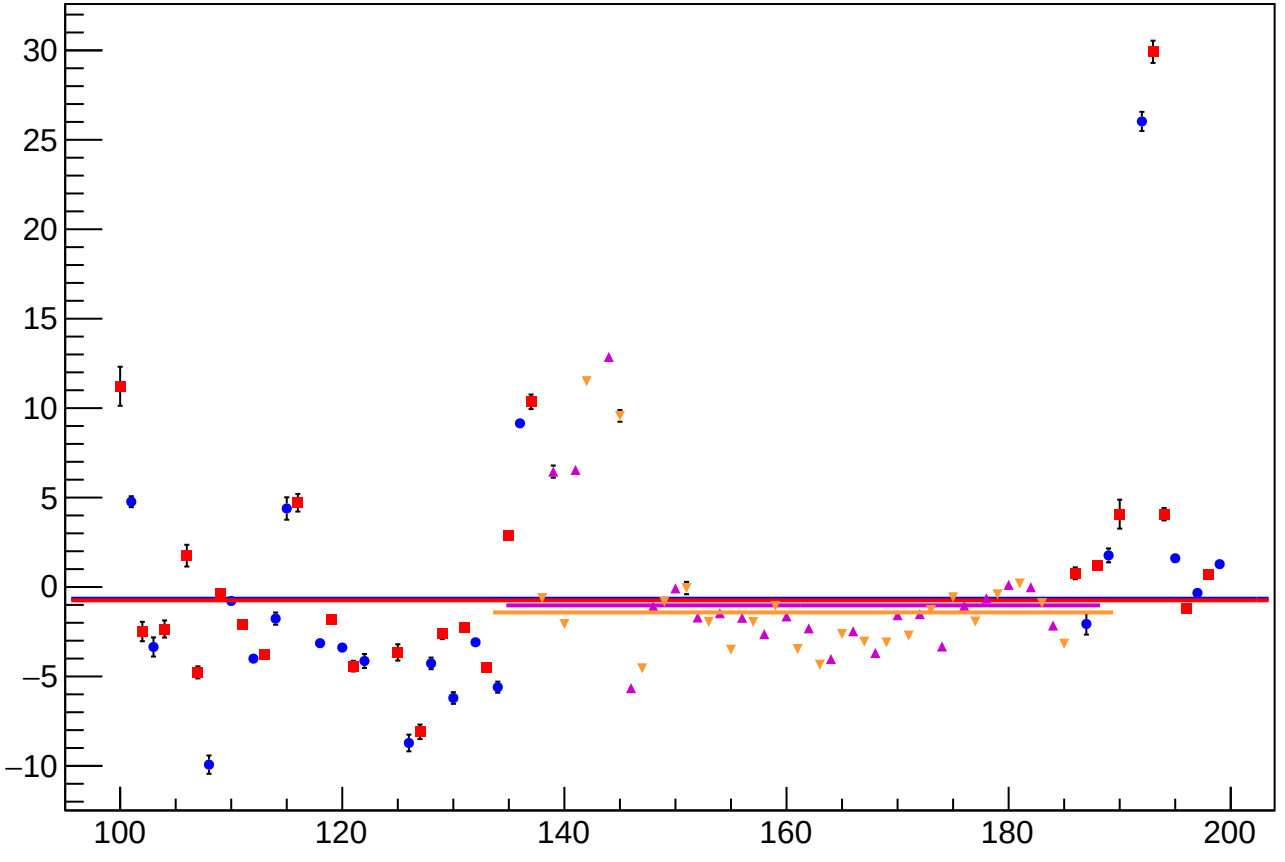
Right: 0.349+/-0.032 χ^2/NDF: 227723.5/46

In: -0.266+/-0.030 χ^2/NDF:245457.0/44

Out: -0.414+/-0.029 χ^2/NDF:238980.3/48

All: -0.343+/-0.021 χ^2/NDF: 484449.6/93

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.656+/-0.060 χ^2/NDF: 7412.2/21

Left Out: -1.420+/-0.037 χ^2/NDF:4642.0/23

Right Out: -0.744+/-0.057 χ^2/NDF: 5408.2/24

Left In: -1.026+/-0.035 χ^2/NDF:7047.1/22

Left: -1.212+/-0.025 χ^2/NDF: 11750.0/46

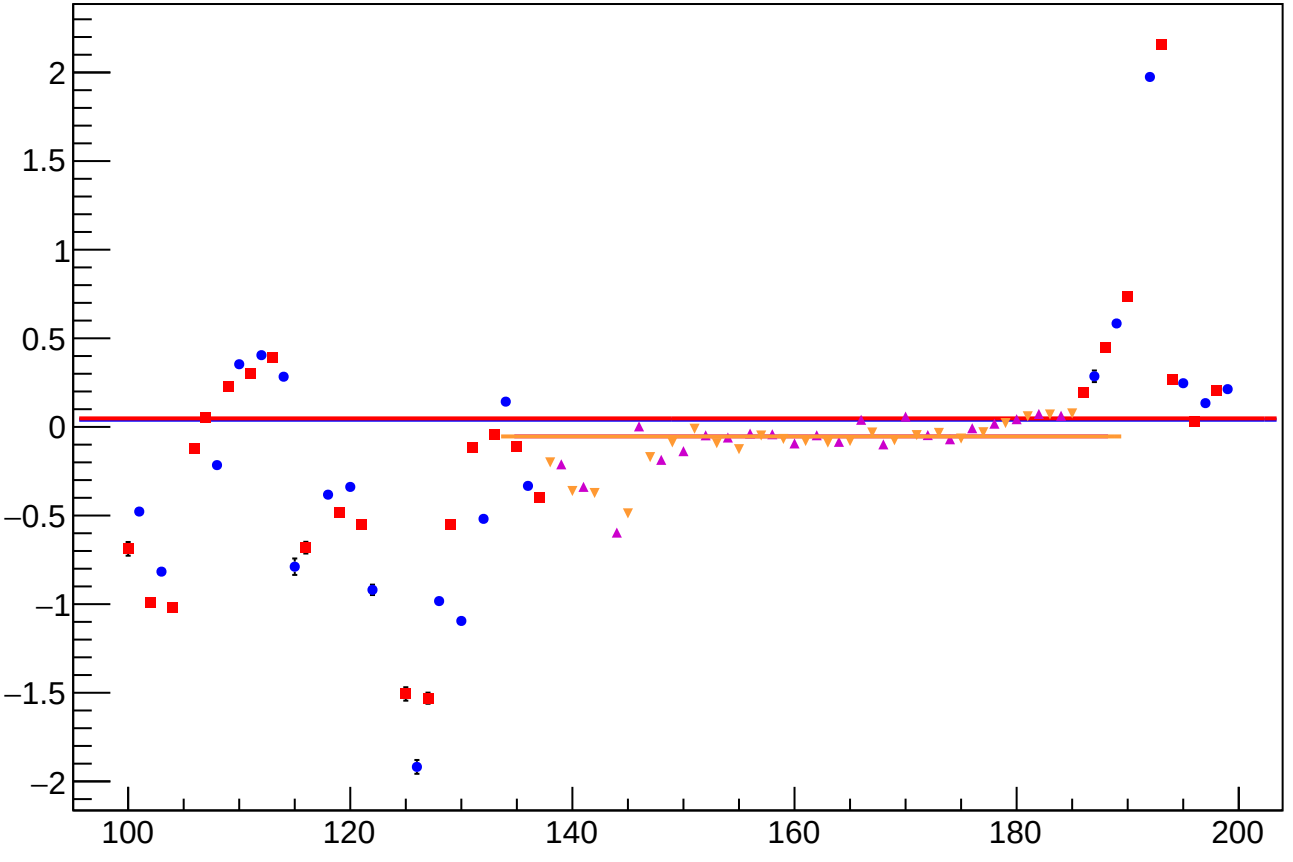
Right: -0.703+/-0.041 χ^2/NDF: 12821.5/46

In: -0.933+/-0.030 χ^2/NDF:14487.8/44

Out: -1.220+/-0.031 χ^2/NDF:10150.9/48

All: -1.073+/-0.021 χ^2/NDF: 24683.2/93

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.041+/-0.003 χ^2/NDF: 33520.3/21

Left Out: -0.054+/-0.002 χ^2/NDF:4340.0/23

Right Out: 0.048+/-0.003 χ^2/NDF: 32589.6/24

Left In: -0.053+/-0.001 χ^2/NDF:5009.7/22

Left: -0.053+/-0.001 χ^2/NDF: 9349.8/46

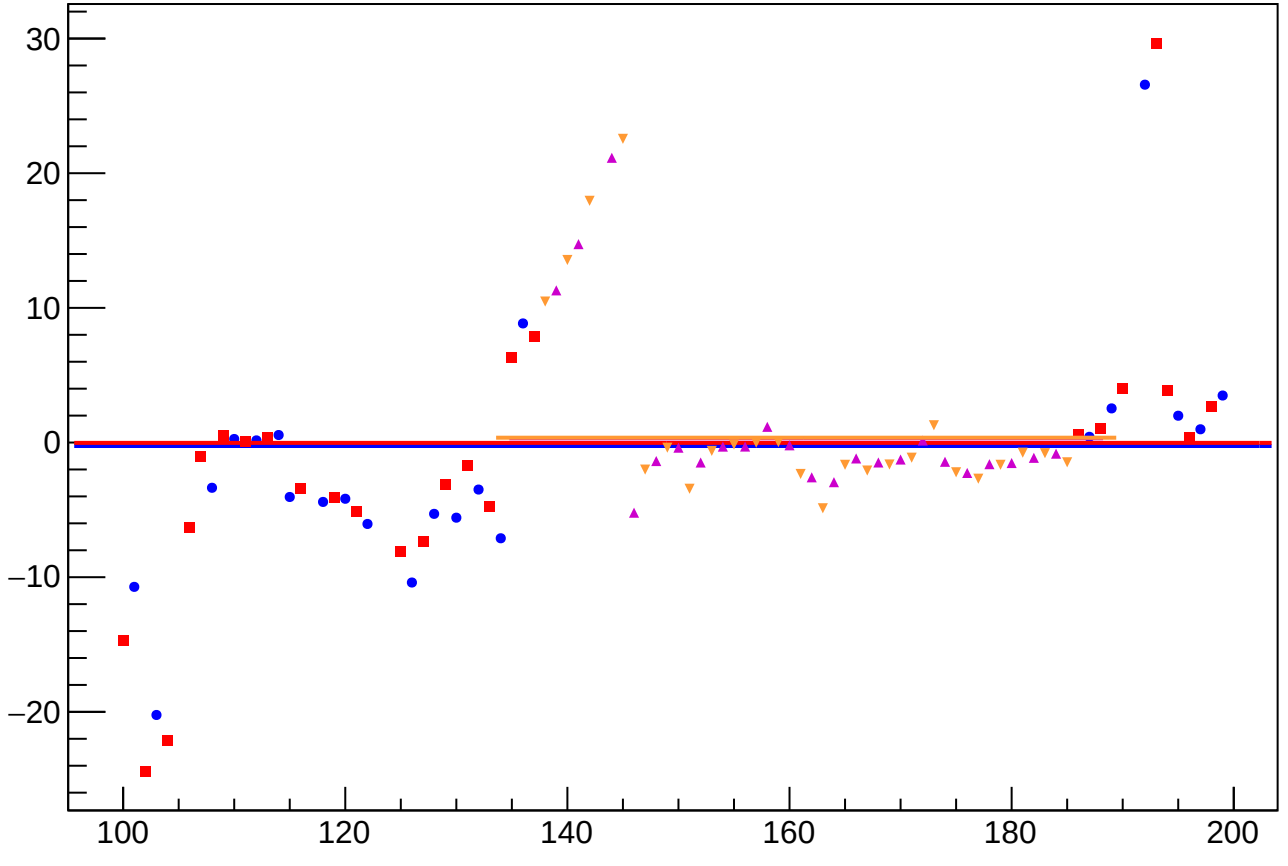
Right: 0.044+/-0.002 χ^2/NDF: 66113.3/46

In: -0.033+/-0.001 χ^2/NDF:39388.4/44

Out: -0.029+/-0.001 χ^2/NDF:37923.6/48

All: -0.031+/-0.001 χ^2/NDF: 77316.4/93

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -0.257+/-0.016 χ^2/NDF: 114107.2/21

Left Out: 0.359+/-0.014 χ^2/NDF:128829.7/23

Right Out: -0.025+/-0.013 χ^2/NDF: 111986.3/24

Left In: 0.317+/-0.014 χ^2/NDF:130224.2/22

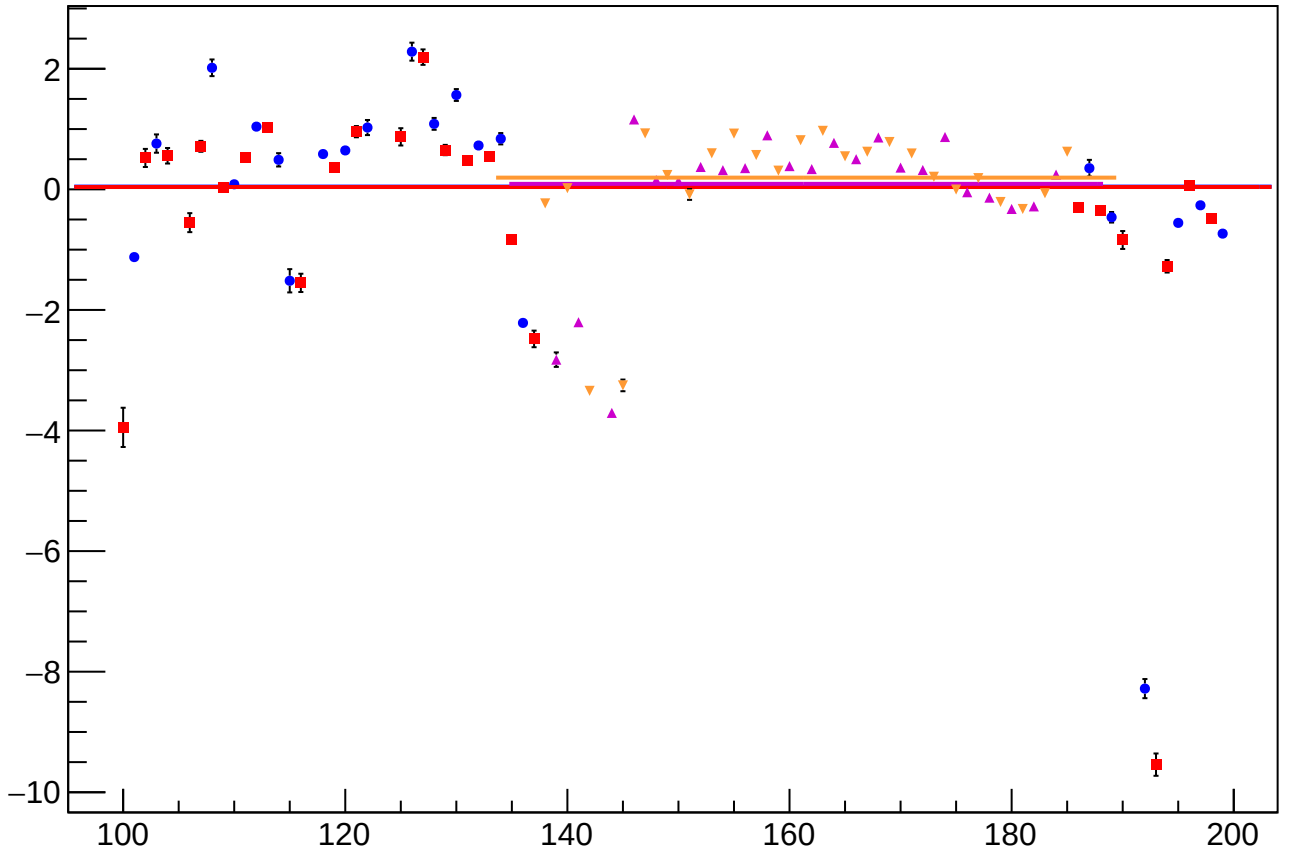
Left: 0.338+/-0.010 χ^2/NDF: 259058.4/46

Right: -0.122+/-0.010 χ^2/NDF: 226219.6/46

In: 0.072+/-0.010 χ^2/NDF:245089.8/44

Out: 0.160+/-0.010 χ^2/NDF:241212.2/48

All: 0.119+/-0.007 χ^2/NDF: 486341.4/93



Right In: 0.045+/-0.018 χ^2/NDF: 5772.7/21

Left Out: 0.194+/-0.011 χ^2/NDF:4645.0/23

Right Out: 0.039+/-0.017 χ^2/NDF: 4768.9/24

Left In: 0.091+/-0.011 χ^2/NDF:6936.4/22

Left: 0.140+/-0.008 χ^2/NDF: 11625.1/46

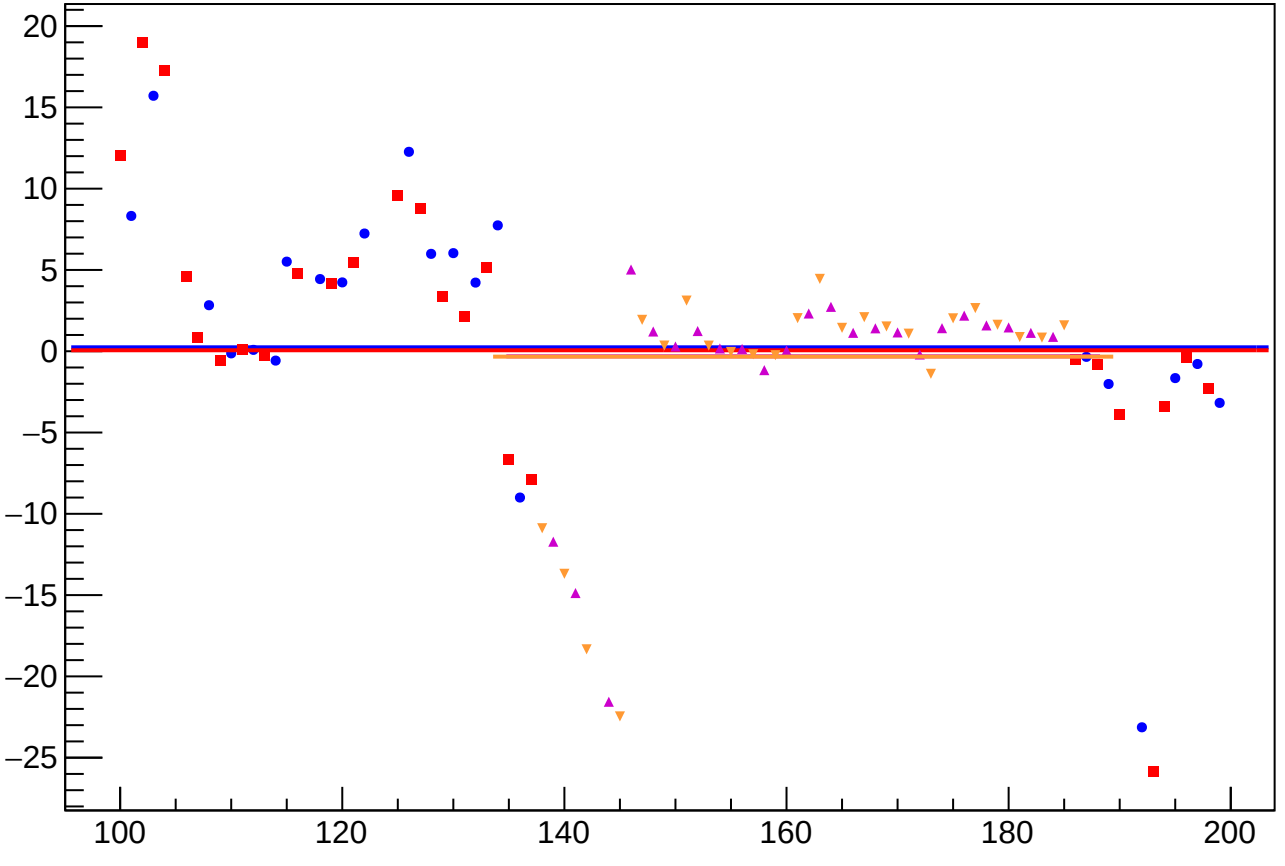
Right: 0.042+/-0.012 χ^2/NDF: 10541.7/46

In: 0.079+/-0.009 χ^2/NDF:12714.1/44

Out: 0.145+/-0.009 χ^2/NDF:9474.2/48

All: 0.111+/-0.007 χ^2/NDF: 22213.7/93

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.241+/-0.017 χ^2/NDF: 113366.7/21

Left Out: -0.332+/-0.014 χ^2/NDF:124233.4/23

Right Out: 0.060+/-0.014 χ^2/NDF: 110584.5/24

Left In: -0.314+/-0.013 χ^2/NDF:126999.2/22

Left: -0.323+/-0.010 χ^2/NDF: 251233.5/46

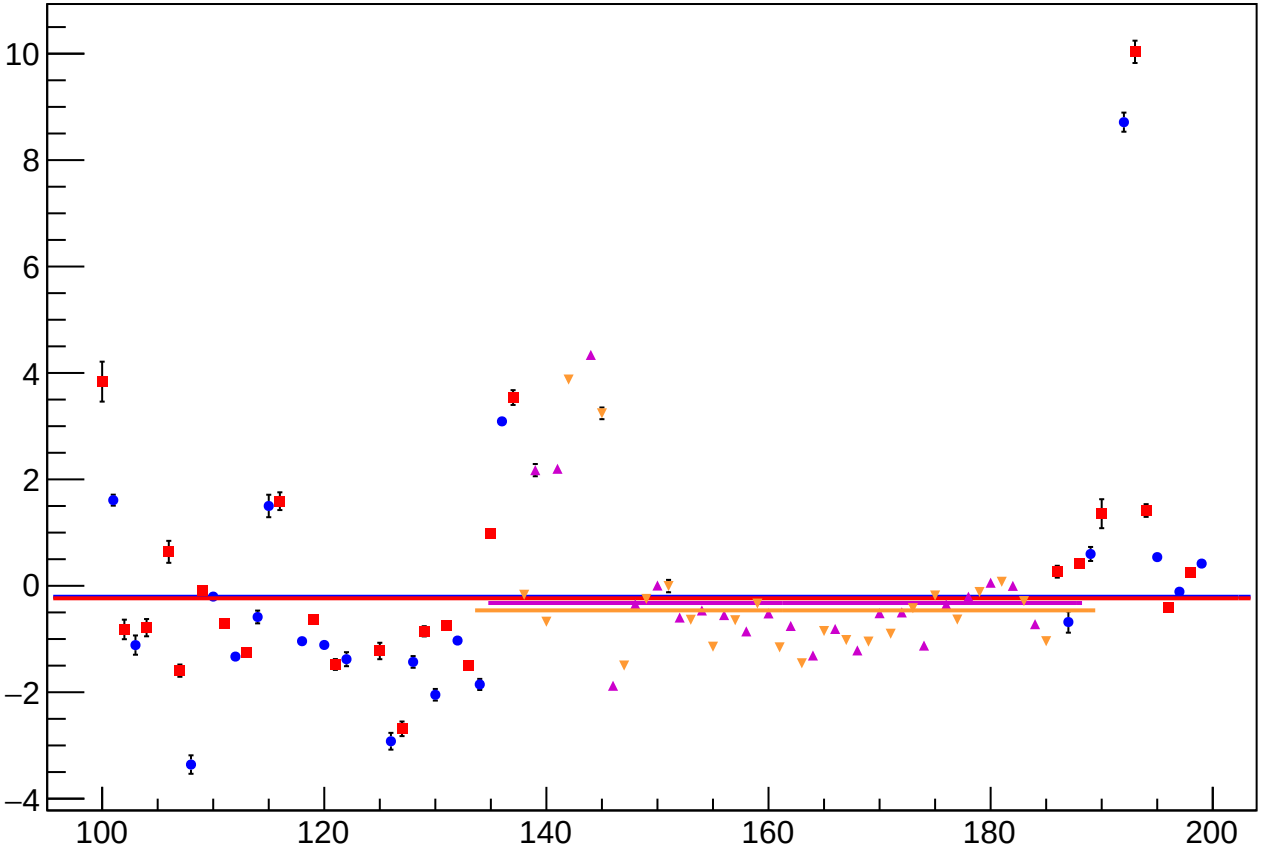
Right: 0.138+/-0.011 χ^2/NDF: 224019.4/46

In: -0.093+/-0.010 χ^2/NDF:241042.8/44

Out: -0.143+/-0.010 χ^2/NDF:235205.9/48

All: -0.119+/-0.007 χ^2/NDF: 476260.5/93

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.206+/-0.021 χ^2/NDF: 7255.4/21

Left Out: -0.462+/-0.013 χ^2/NDF:4580.0/23

Right Out: -0.235+/-0.019 χ^2/NDF: 5325.3/24

Left In: -0.323+/-0.012 χ^2/NDF:6881.8/22

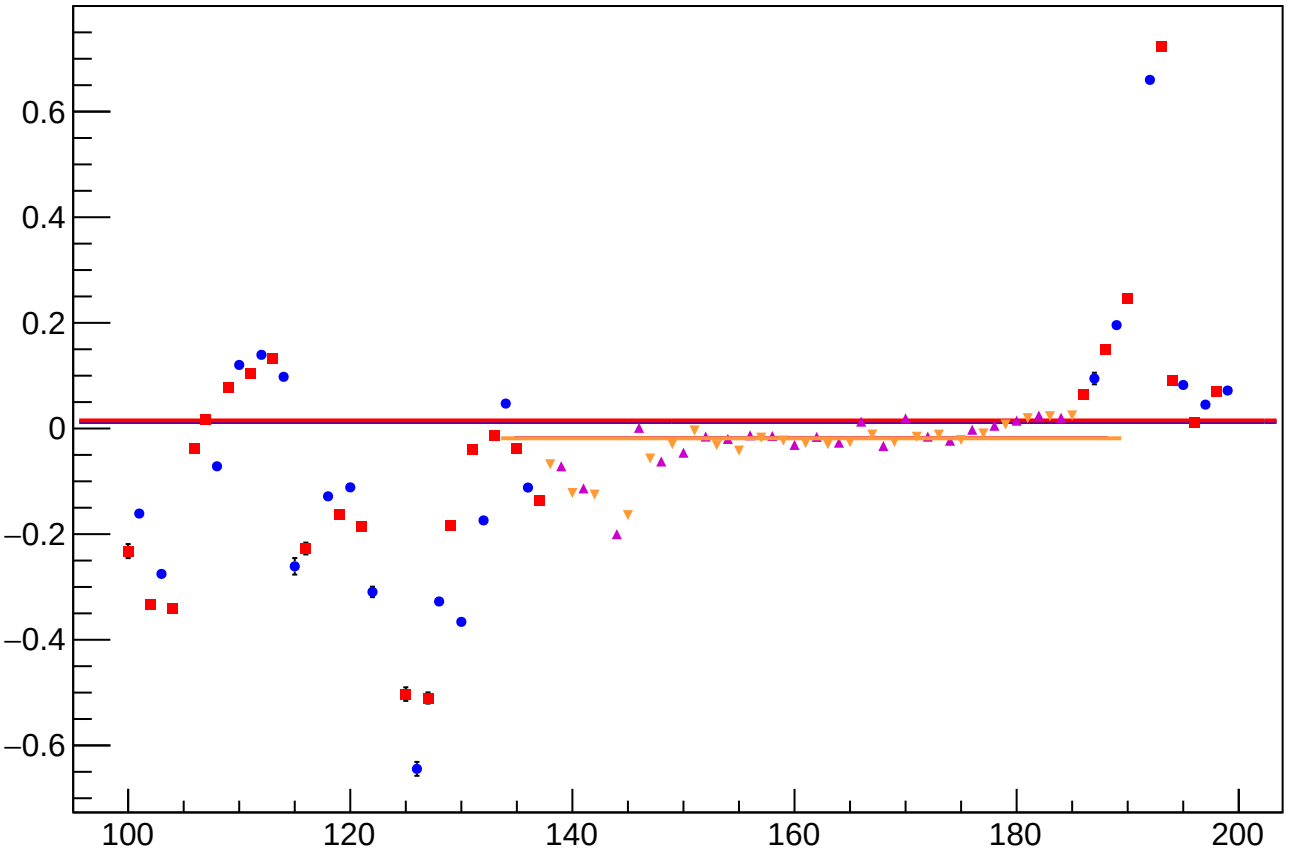
Left: -0.389+/-0.009 χ^2/NDF: 11526.1/46

Right: -0.221+/-0.014 χ^2/NDF: 12581.7/46

In: -0.294+/-0.010 χ^2/NDF:14161.6/44

Out: -0.395+/-0.011 χ^2/NDF:10001.5/48

All: -0.343+/-0.007 χ^2/NDF: 24210.5/93



Right In: 0.012+/-0.001 χ^2/NDF: 32940.8/21

Left Out: -0.019+/-0.001 χ^2/NDF:4227.5/23

Right Out: 0.015+/-0.001 χ^2/NDF: 31994.4/24

Left In: -0.018+/-0.001 χ^2/NDF:4879.3/22

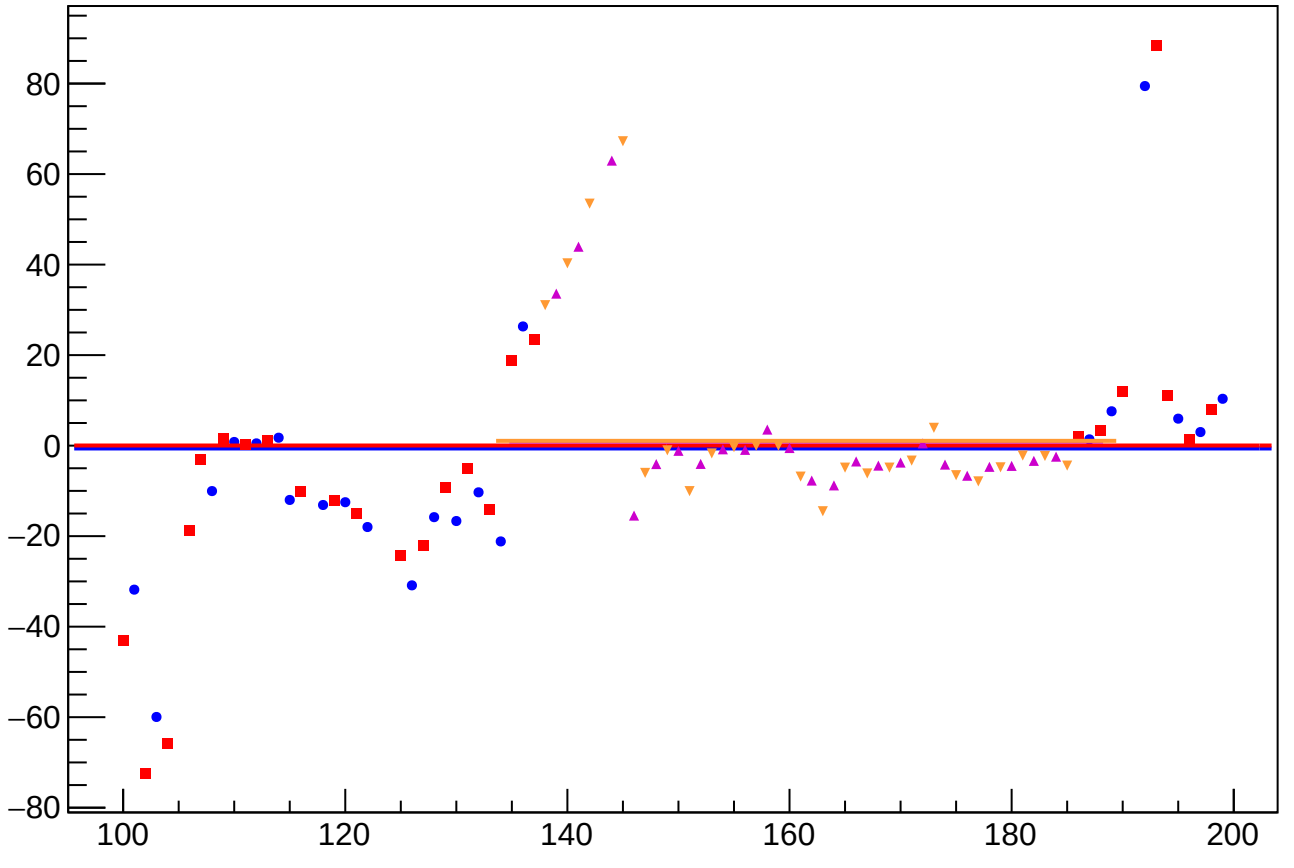
Left: -0.018+/-0.000 χ^2/NDF: 9107.2/46

Right: 0.014+/-0.001 χ^2/NDF: 64939.0/46

In: -0.011+/-0.000 χ^2/NDF:38589.5/44

Out: -0.010+/-0.000 χ^2/NDF:37146.4/48

All: -0.011+/-0.000 χ^2/NDF: 75738.3/93



Right In: -0.628+/-0.046 χ^2/NDF: 116196.3/21

Left Out: 1.058+/-0.041 χ^2/NDF:131010.5/23

Right Out: 0.027+/-0.039 χ^2/NDF: 113742.7/24

Left In: 0.915+/-0.040 χ^2/NDF:132816.1/22

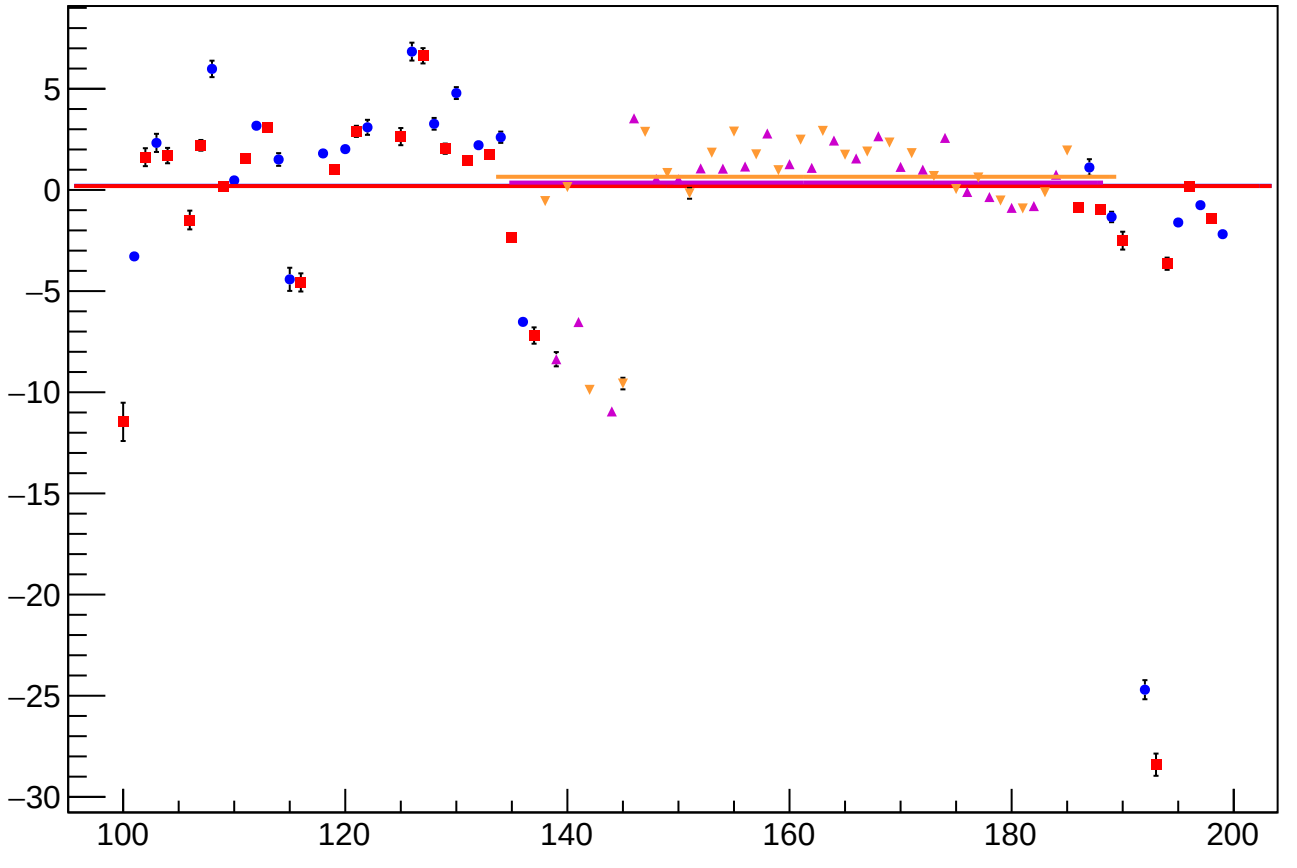
Left: 0.985+/-0.028 χ^2/NDF: 263832.9/46

Right: -0.245+/-0.030 χ^2/NDF: 230058.3/46

In: 0.253+/-0.030 χ^2/NDF:249659.1/44

Out: 0.519+/-0.028 χ^2/NDF:245091.1/48

All: 0.395+/-0.020 χ^2/NDF: 494792.2/93



Right In: 0.205+/-0.051 χ^2/NDF: 5903.8/21

Left Out: 0.651+/-0.033 χ^2/NDF:4708.8/23

Right Out: 0.191+/-0.048 χ^2/NDF: 4847.3/24

Left In: 0.364+/-0.031 χ^2/NDF:7122.4/22

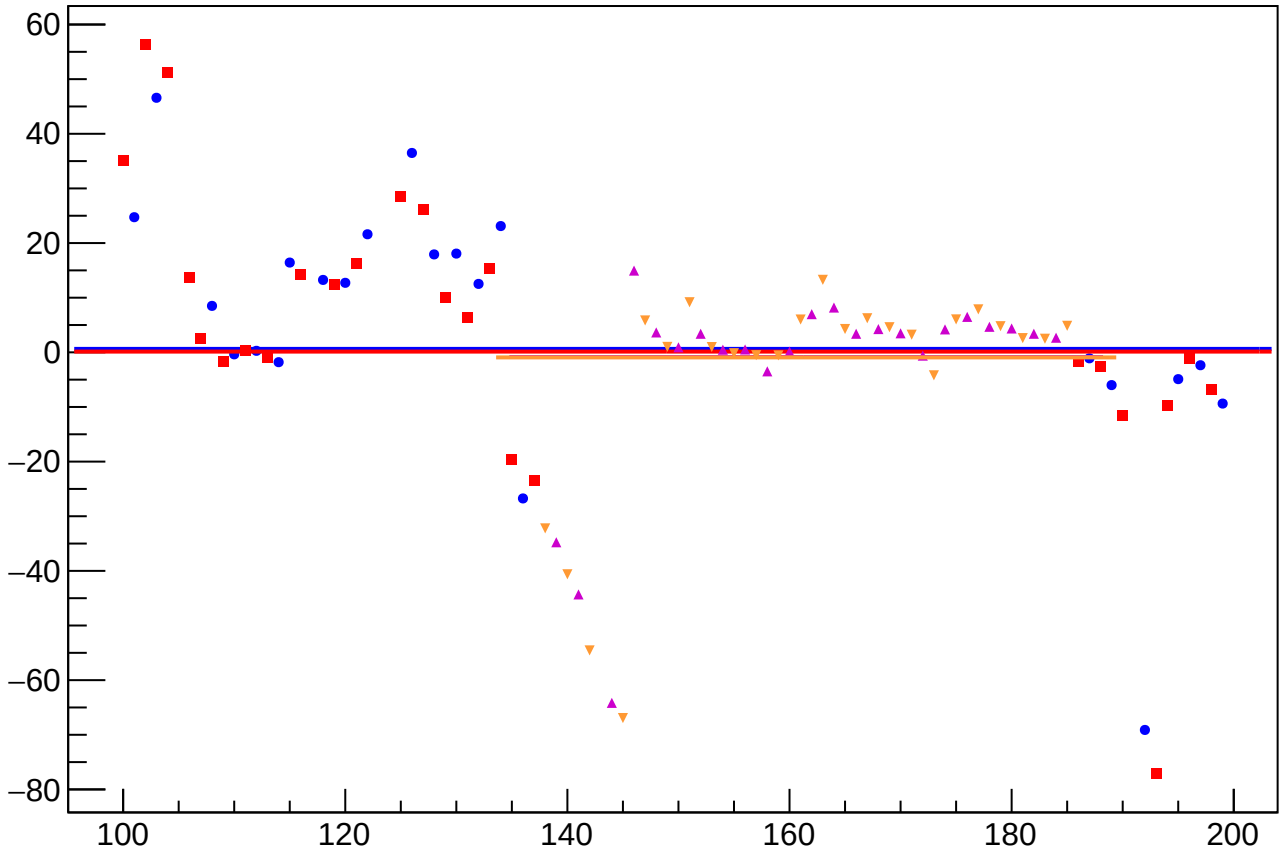
Left: 0.499+/-0.023 χ^2/NDF: 11870.9/46

Right: 0.198+/-0.035 χ^2/NDF: 10751.1/46

In: 0.321+/-0.027 χ^2/NDF:13033.3/44

Out: 0.503+/-0.027 χ^2/NDF:9618.2/48

All: 0.410+/-0.019 χ^2/NDF: 22674.2/93



Right In: 0.630+/-0.048 χ^2/NDF: 115420.3/21

Left Out: -0.927+/-0.041 χ^2/NDF:126360.1/23

Right Out: 0.135+/-0.042 χ^2/NDF: 112283.6/24

Left In: -0.858+/-0.039 χ^2/NDF:129490.8/22

Left: -0.891+/-0.028 χ^2/NDF: 255852.4/46

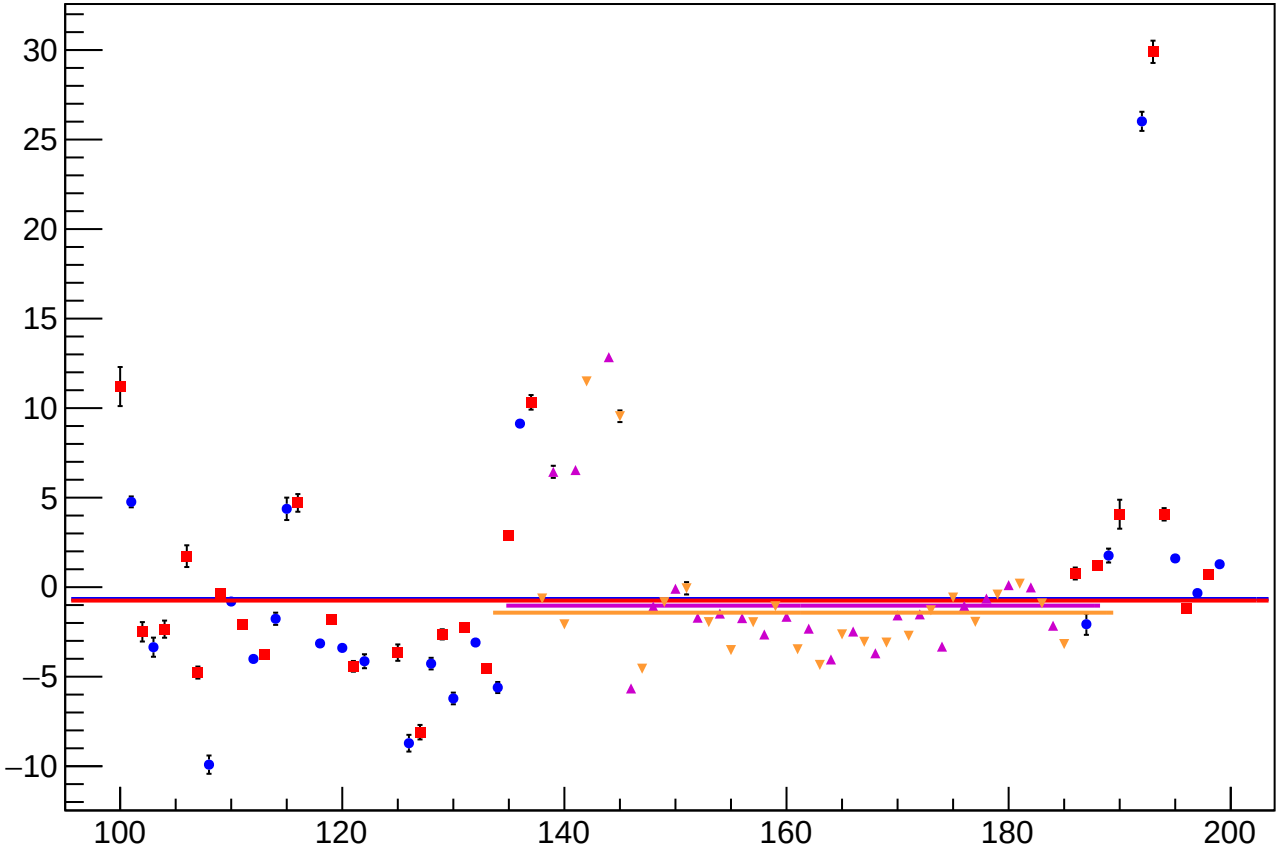
Right: 0.348+/-0.032 χ^2/NDF: 227763.9/46

In: -0.265+/-0.030 χ^2/NDF:245484.5/44

Out: -0.413+/-0.029 χ^2/NDF:238976.8/48

All: -0.342+/-0.021 χ^2/NDF: 484473.7/93

reg_asym_bcm_an_us_an_ds_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.661+/-0.060 χ^2/NDF: 7415.4/21

Left Out: -1.425+/-0.037 χ^2/NDF:4639.6/23

Right Out: -0.748+/-0.056 χ^2/NDF: 5407.1/24

Left In: -1.032+/-0.035 χ^2/NDF:7051.3/22

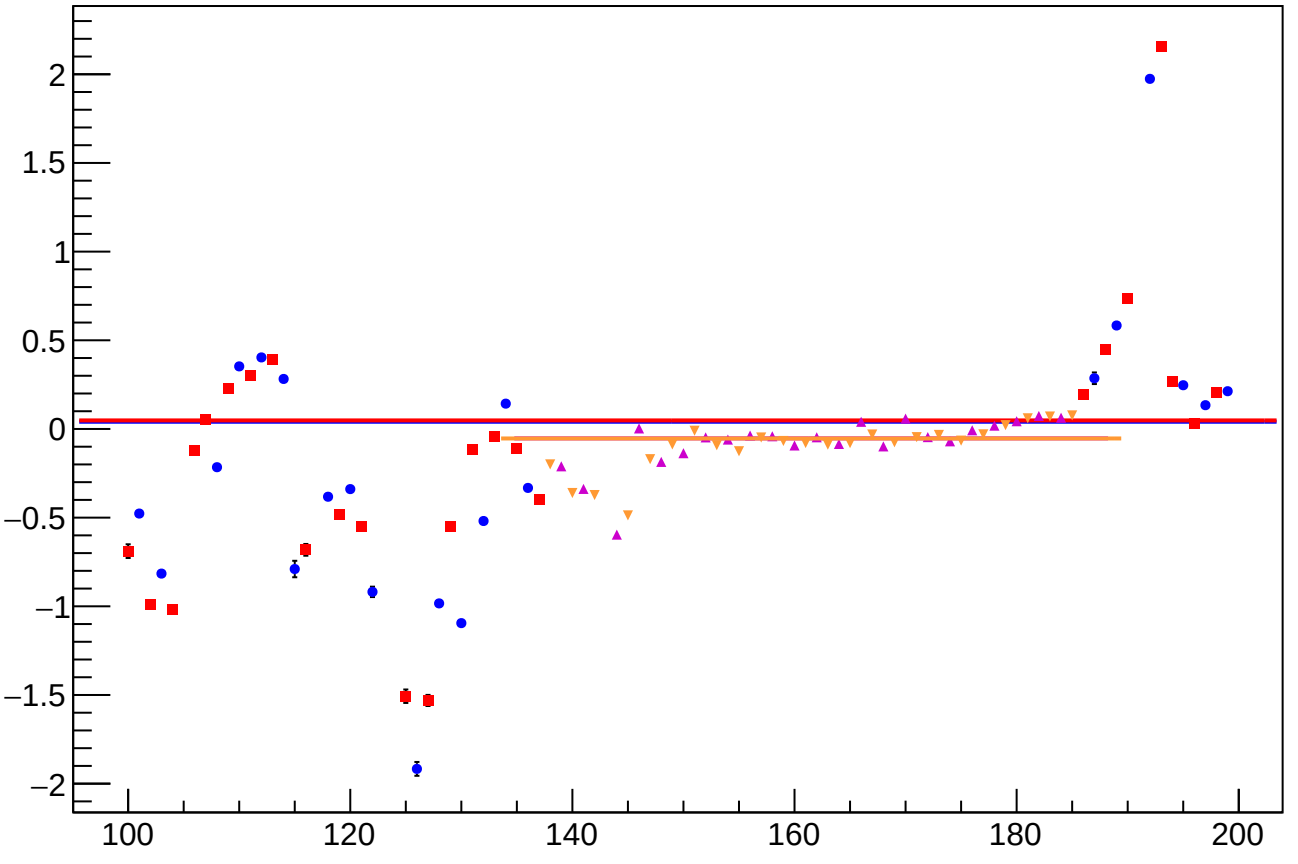
Left: -1.218+/-0.025 χ^2/NDF: 11751.4/46

Right: -0.707+/-0.041 χ^2/NDF: 12823.5/46

In: -0.939+/-0.030 χ^2/NDF:14495.4/44

Out: -1.224+/-0.031 χ^2/NDF:10147.6/48

All: -1.078+/-0.021 χ^2/NDF: 24687.2/93



Right In: 0.041+/-0.003 χ^2/NDF: 33528.9/21

Left Out: -0.054+/-0.002 χ^2/NDF:4341.2/23

Right Out: 0.048+/-0.003 χ^2/NDF: 32603.9/24

Left In: -0.053+/-0.001 χ^2/NDF:5013.3/22

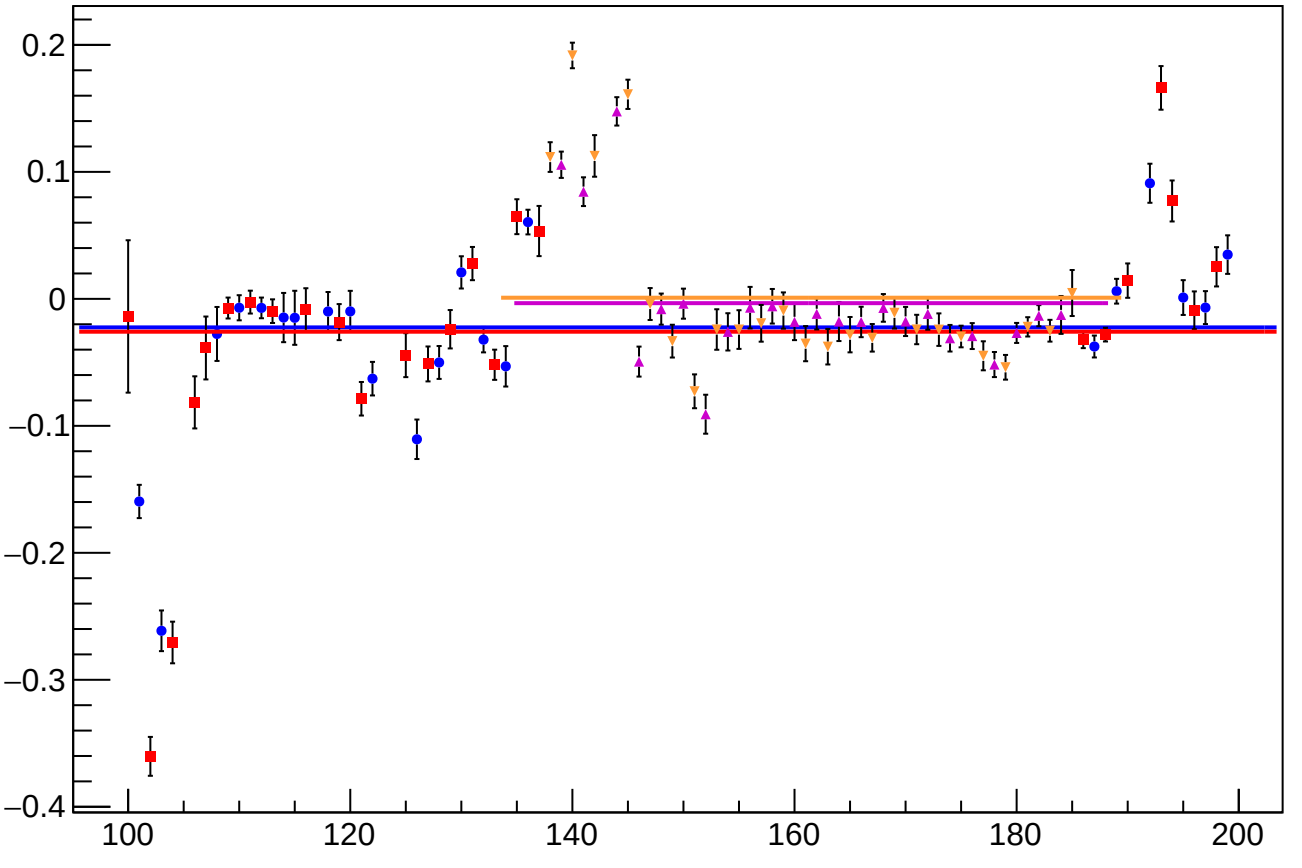
Left: -0.053+/-0.001 χ^2/NDF: 9354.6/46

Right: 0.044+/-0.002 χ^2/NDF: 66136.3/46

In: -0.033+/-0.001 χ^2/NDF:39403.2/44

Out: -0.029+/-0.001 χ^2/NDF:37940.1/48

All: -0.031+/-0.001 χ^2/NDF: 77347.8/93



Right In: -0.022+/-0.003 χ^2/NDF: 559.5/21

Left Out: 0.001+/-0.002 χ^2/NDF:849.7/23

Right Out: -0.026+/-0.002 χ^2/NDF: 1013.0/24

Left In: -0.003+/-0.002 χ^2/NDF:457.9/22

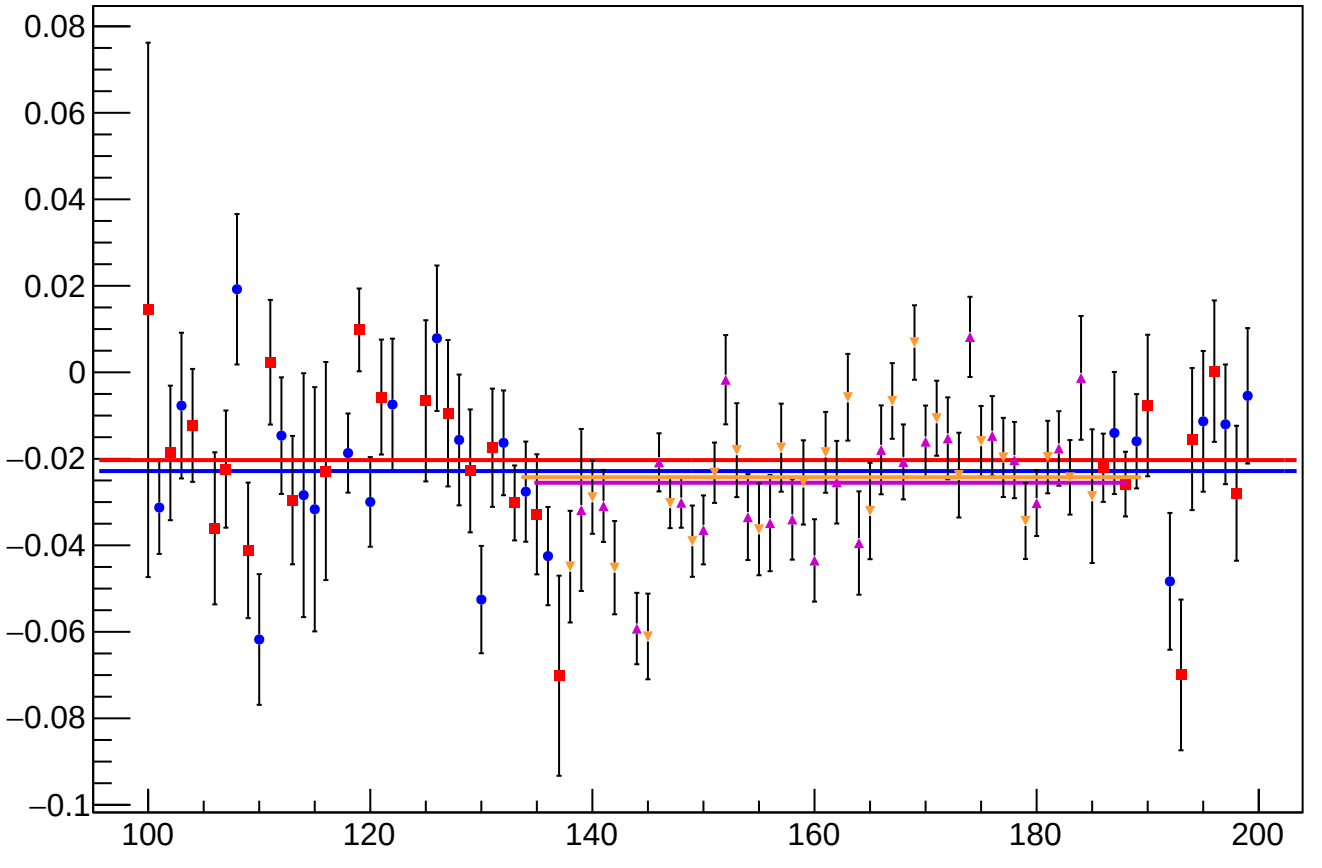
Left: -0.001+/-0.002 χ^2/NDF: 1309.2/46

Right: -0.024+/-0.002 χ^2/NDF: 1573.5/46

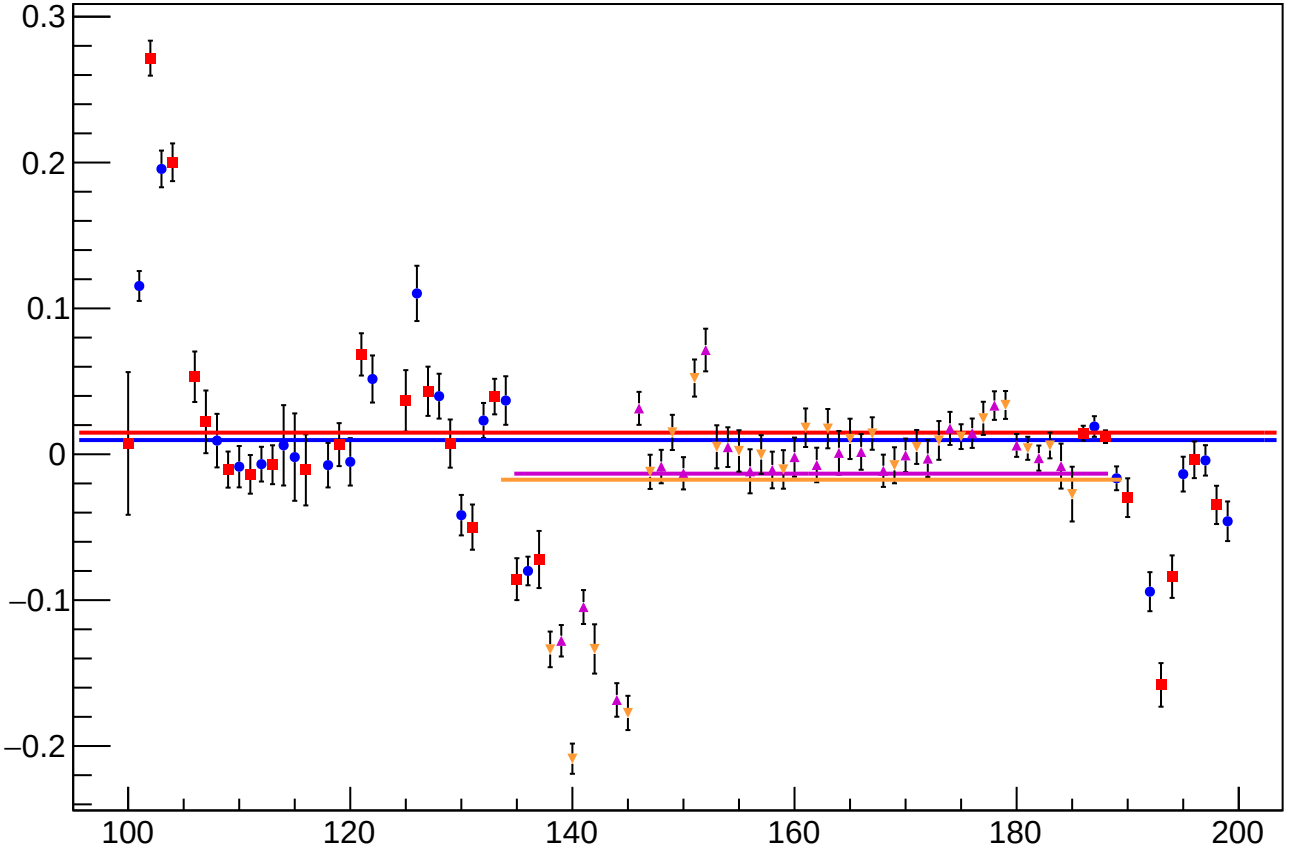
In: -0.012+/-0.002 χ^2/NDF:1045.7/44

Out: -0.013+/-0.002 χ^2/NDF:1926.0/48

All: -0.012+/-0.001 χ^2/NDF: 2971.8/93


reg_asym_bcm_an_us_an_ds_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
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: -0.023+/-0.003 χ²/NDF: 34.6/21
Left Out: -0.024+/-0.002 χ²/NDF:53.7/23
Right Out: -0.020+/-0.003 χ²/NDF: 36.3/24
Left In: -0.026+/-0.002 χ²/NDF:55.0/22
Left: -0.025+/-0.001 χ²/NDF: 109.0/46
Right: -0.021+/-0.002 χ²/NDF: 71.3/46
In: -0.025+/-0.002 χ²/NDF:90.2/44
Out: -0.023+/-0.002 χ²/NDF:91.5/48
All: -0.024+/-0.001 χ²/NDF: 182.4/93

reg_asym_bcm_an_us_an_ds_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.010+/-0.003 χ^2/NDF: 565.3/21

Left Out: -0.017+/-0.002 χ^2/NDF:812.1/23

Right Out: 0.015+/-0.002 χ^2/NDF: 997.3/24

Left In: -0.013+/-0.002 χ^2/NDF:458.6/22

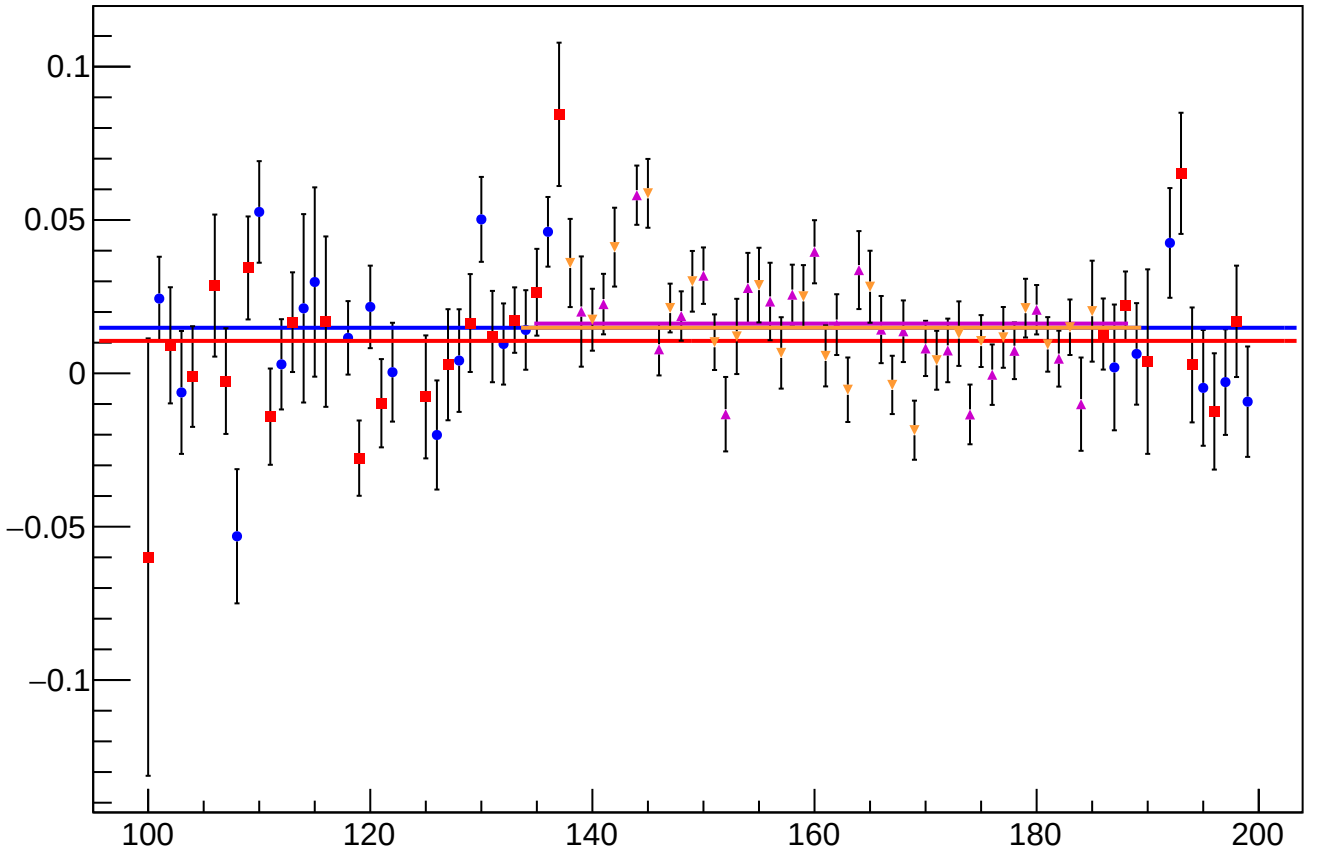
Left: -0.015+/-0.002 χ^2/NDF: 1272.2/46

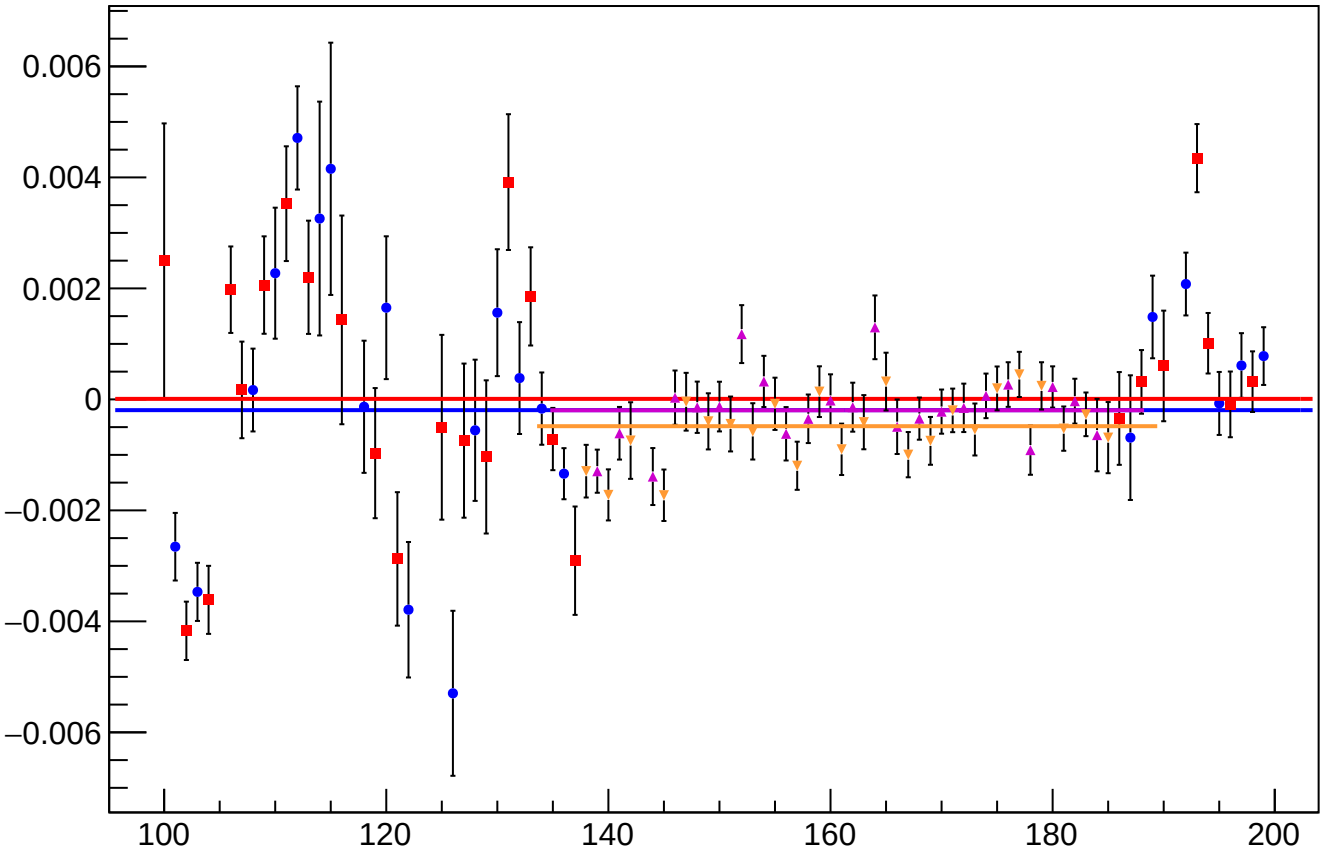
Right: 0.013+/-0.002 χ^2/NDF: 1564.7/46

In: -0.003+/-0.002 χ^2/NDF:1065.3/44

Out: -0.001+/-0.002 χ^2/NDF:1905.5/48

All: -0.002+/-0.001 χ^2/NDF: 2971.9/93


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: 0.015+/-0.003 χ²/NDF: 44.0/21
Left Out: 0.015+/-0.002 χ²/NDF:52.1/23
Right Out: 0.011+/-0.003 χ²/NDF: 42.4/24
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: 87.3/46
In: 0.016+/-0.002 χ²/NDF:102.1/44
Out: 0.014+/-0.002 χ²/NDF:95.7/48
All: 0.015+/-0.001 χ²/NDF: 198.6/93



Right In: -0.000+/-0.000 χ^2/NDF: 152.5/21

Left Out: -0.000+/-0.000 χ^2/NDF:40.8/23

Right Out: 0.000+/-0.000 χ^2/NDF: 214.7/24

Left In: -0.000+/-0.000 χ^2/NDF:37.2/22

Left: -0.000+/-0.000 χ^2/NDF: 82.8/46

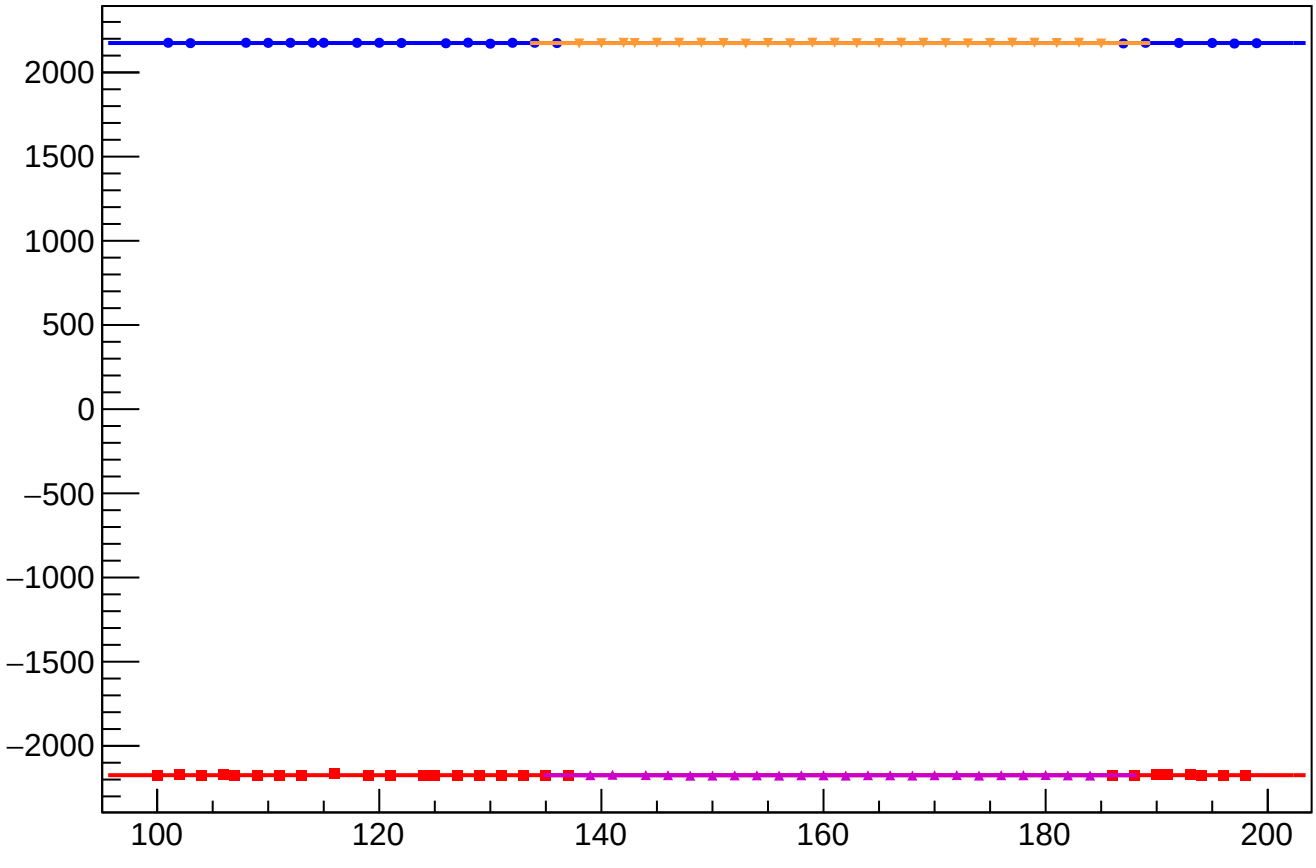
Right: -0.000+/-0.000 χ^2/NDF: 368.0/46

In: -0.000+/-0.000 χ^2/NDF:189.7/44

Out: -0.000+/-0.000 χ^2/NDF:262.7/48

All: -0.000+/-0.000 χ^2/NDF: 454.4/93

HALLA_p_mean vs Slug, Sign Corrected



Right In: 2174.809+/-0.000 χ^2/NDF: 3012949219860458063460190004445184.0/21

Left Out: 2174.643+/-0.000 χ^2/NDF:52116844463194421571996575984517l2.0/24

Right Out: -2174.057+/-0.000 χ^2/NDF: 935269271496885542761430546330419 2.0/26

Left In: -2174.573+/-0.000 χ^2/NDF:343126709779383884572886381572915 2.0/22

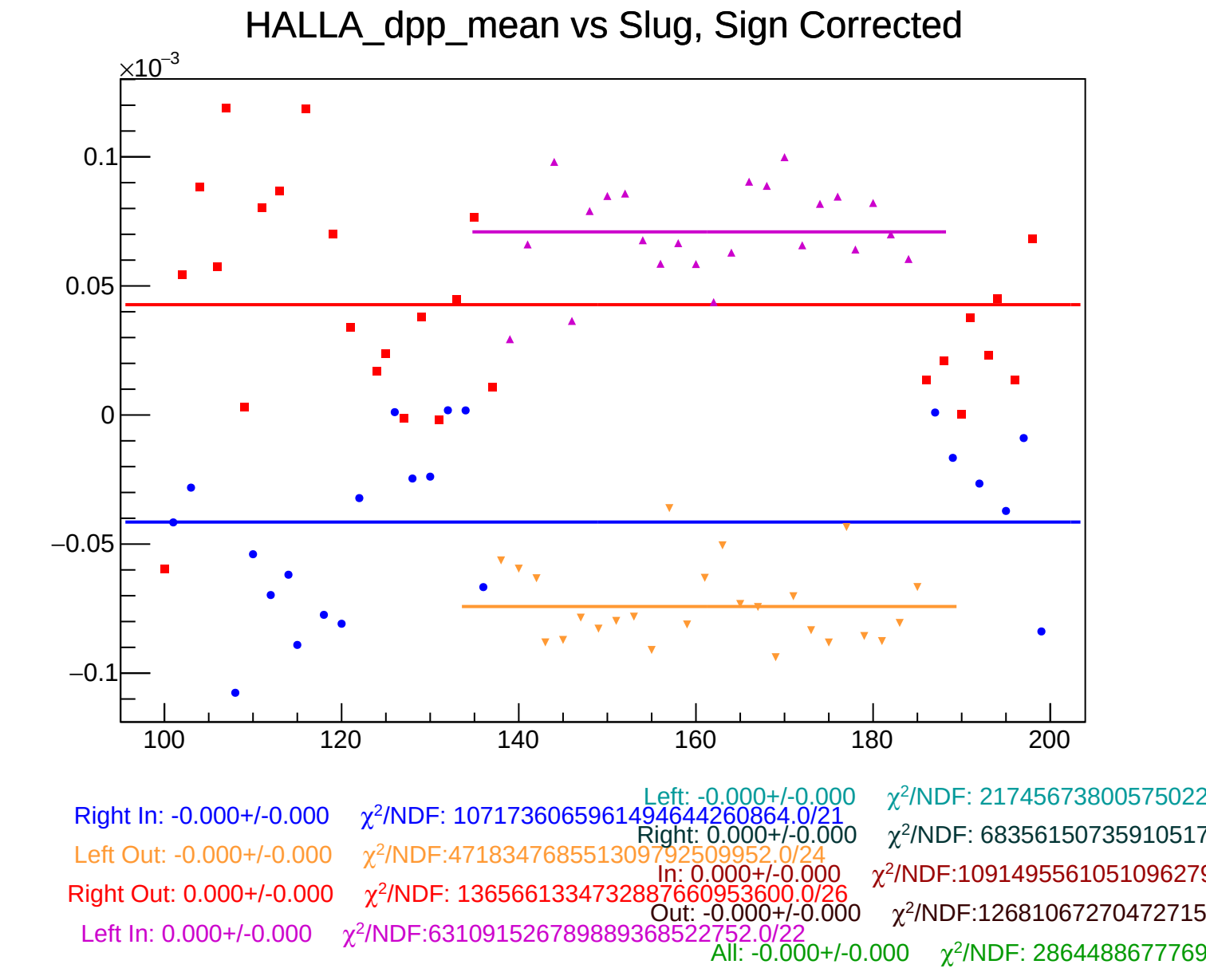
Left: 62.103+/-0.000 χ^2/NDF: 18541167673153150

Right: -109.744+/-0.000 χ^2/NDF: 1173350152001

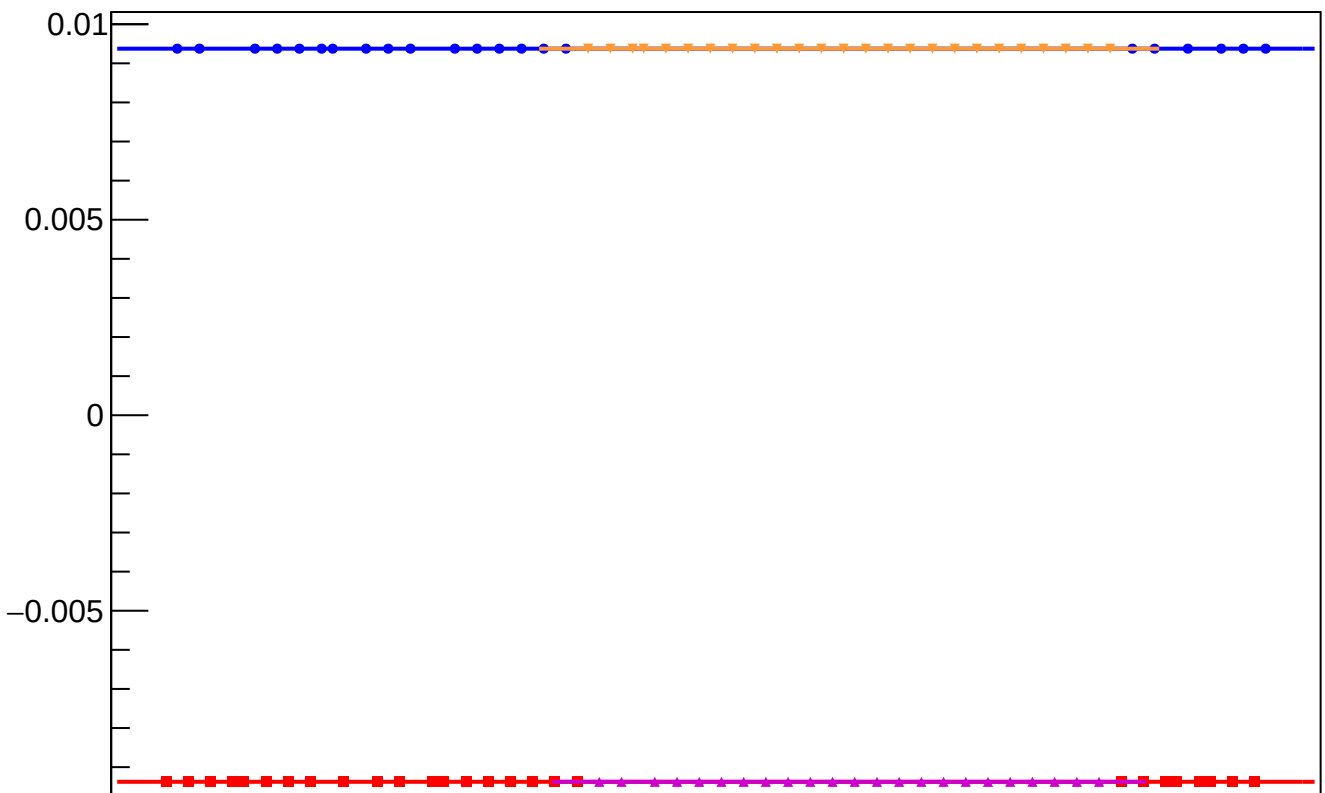
In: -510.621+/-0.000 χ^2/NDF:1379403941698140

Out: 465.244+/-0.000 χ^2/NDF:1500114153768043

All: -4.577+/-0.000 χ^2/NDF: 303196337273


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: 10717360659614946442608640.0/21
Left Out: -0.000+/-0.000 χ²/NDF:4718347685513097925099520.0/24
Right Out: 0.000+/-0.000 χ²/NDF: 13656613347328876609536000.0/26
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: 68356150735910517
In: 0.000+/-0.000 χ²/NDF:1091495561051096279
Out: -0.000+/-0.000 χ²/NDF:12681067270472715
All: -0.000+/-0.000 χ²/NDF: 2864488677769

MQ171LM_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 0.2/21

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: -0.009+/-0.000 χ^2/NDF: 0.2/26

Left In: -0.009+/-0.000 χ^2/NDF:0.1/22

Left: 0.000+/-0.000 χ^2/NDF: 344601849197246623

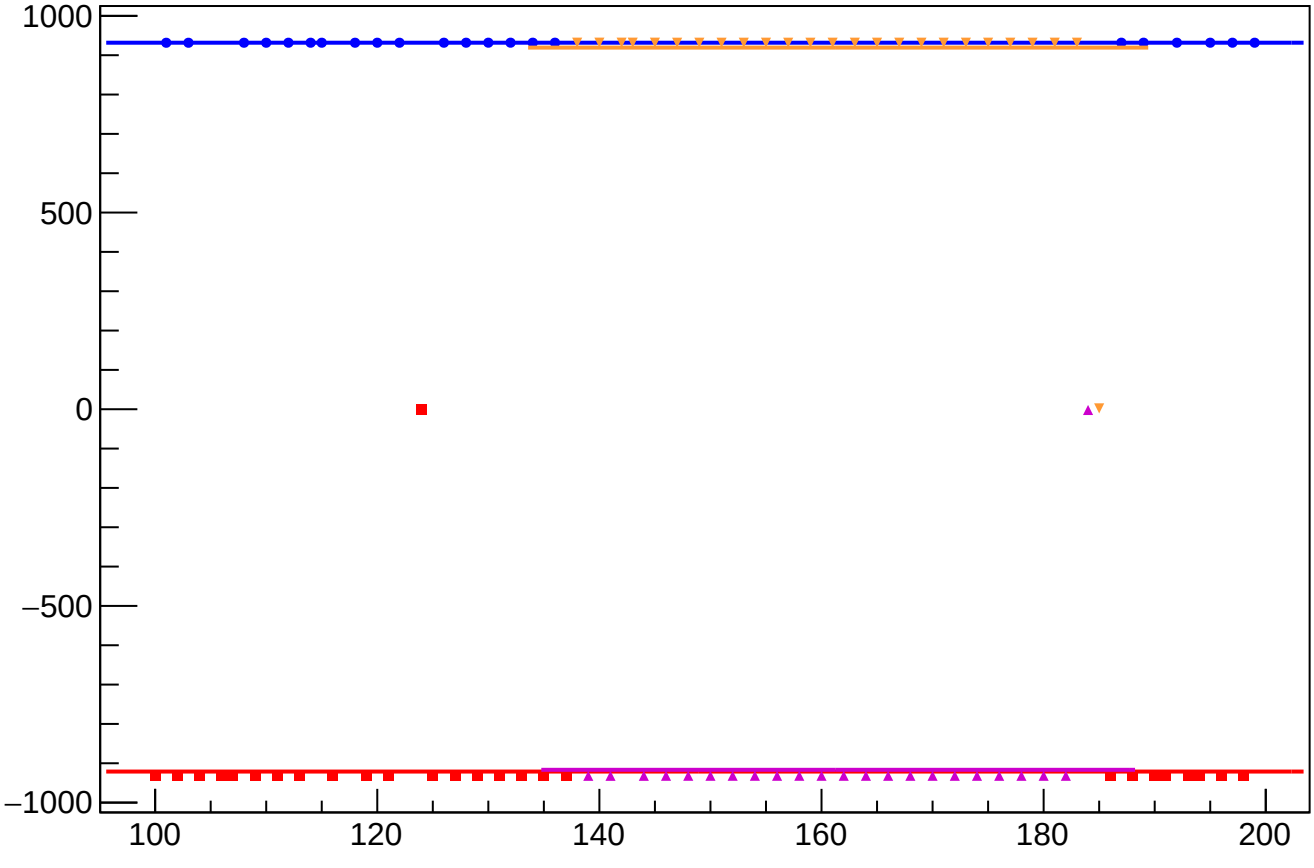
Right: -0.000+/-0.000 χ^2/NDF: 21811104237841599

In: -0.002+/-0.000 χ^2/NDF:256353179664722348

Out: 0.002+/-0.000 χ^2/NDF:27887375469924741

All: -0.000+/-0.000 χ^2/NDF: 5635520008870

HacL_Q2_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 931.776+/-0.000 χ^2/NDF: 3187275366683650071182983561216.0/21

Left Out: 919.347+/-0.000 χ^2/NDF:230211234962152806190415261330812243648.0/24

Right Out: -921.087+/-0.000 χ^2/NDF: 1287289408902968761186705756805870387 2.0/26

Left In: -916.654+/-0.000 χ^2/NDF:263697449311835480737856648421855723 52.0/22

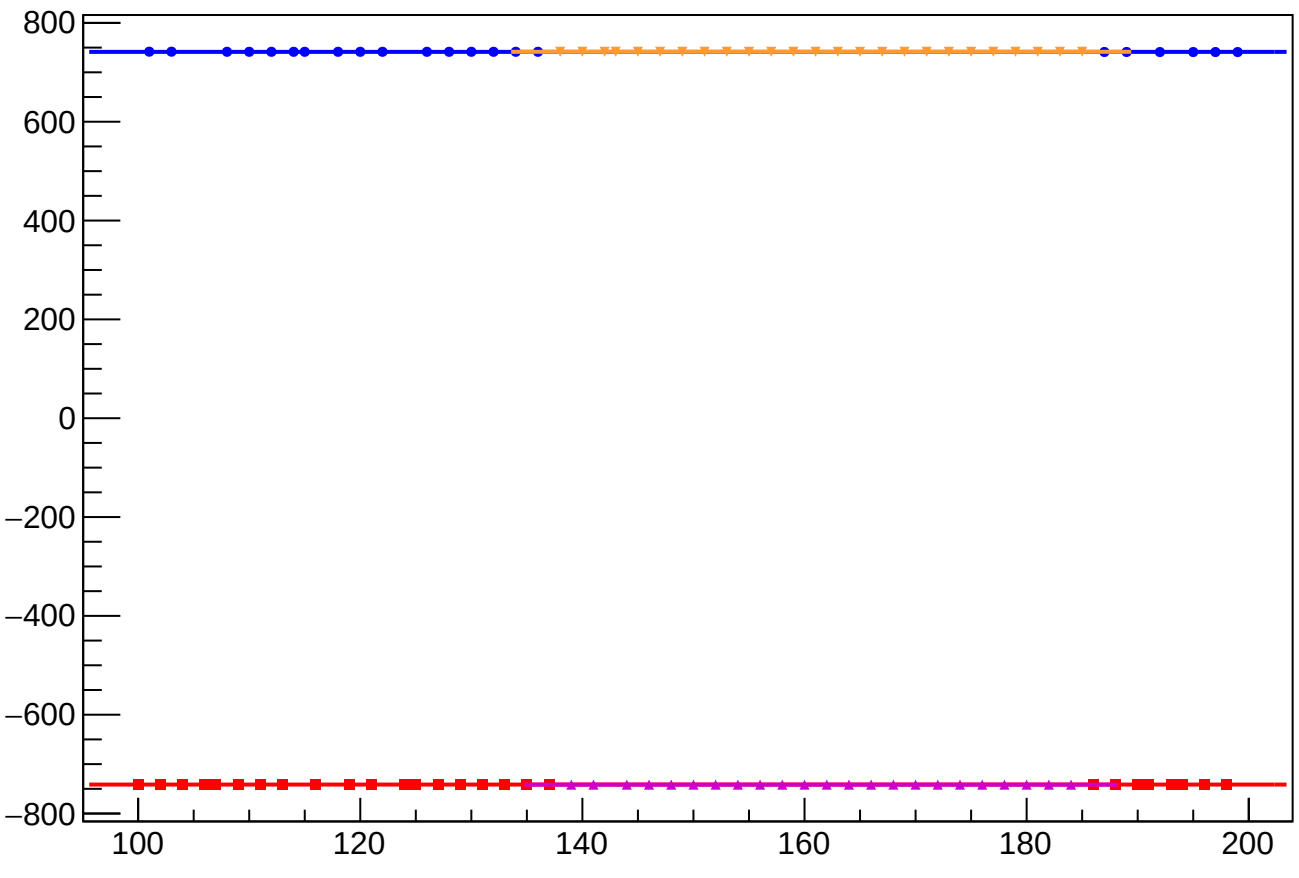
Left: 27.548+/-0.000 χ^2/NDF: 3353551808219363

Right: -41.573+/-0.000 χ^2/NDF: 214278720788447

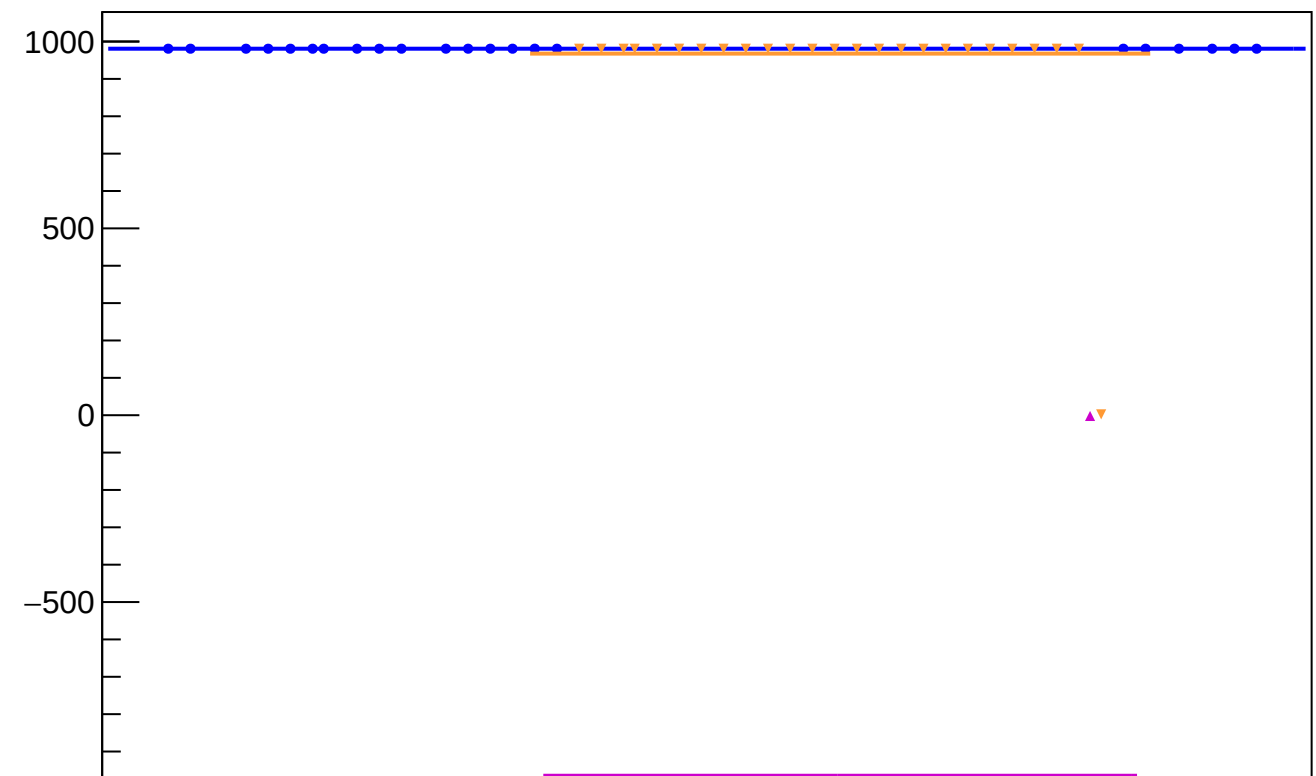
In: -209.496+/-0.000 χ^2/NDF:2517764330436 16

Out: 195.904+/-0.000 χ^2/NDF:272275979800866

All: 0.728+/-0.000 χ^2/NDF: 55036136196787


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: 741.375+/-0.000 χ²/NDF: 82246213906895126191351135207424.0/21
Left Out: 741.513+/-0.000 χ²/NDF:25197631076812629623188960051 2.0/24
Right Out: -741.366+/-0.000 χ²/NDF: 91258337436408266636202111664128.0/26
Left In: -741.513+/-0.000 χ²/NDF:234703983030085423185895882752.0/22
Left: 21.165+/-0.000 χ²/NDF: 21558191183425632
Right: -37.541+/-0.000 χ²/NDF: 136397335914292
In: -174.201+/-0.000 χ²/NDF:160343995095903
Out: 158.619+/-0.000 χ²/NDF:174428160207985
All: -1.614+/-0.000 χ²/NDF: 3525039865148

HacL_Q3_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 980.807+/-0.000 χ^2/NDF: 13893999437491793431776051855360/21

Left Out: 967.677+/-0.000 χ^2/NDF:25505155603279925641541295779633692672.0/24

Right Out: -980.776+/-0.000 χ^2/NDF: 6337044260494635835977530710425 6.0/26

Left In: -964.854+/-0.000 χ^2/NDF:29215838960103078784112845628245016576.0/22

Left: 28.991+/-0.000 χ^2/NDF: 37154523356806808

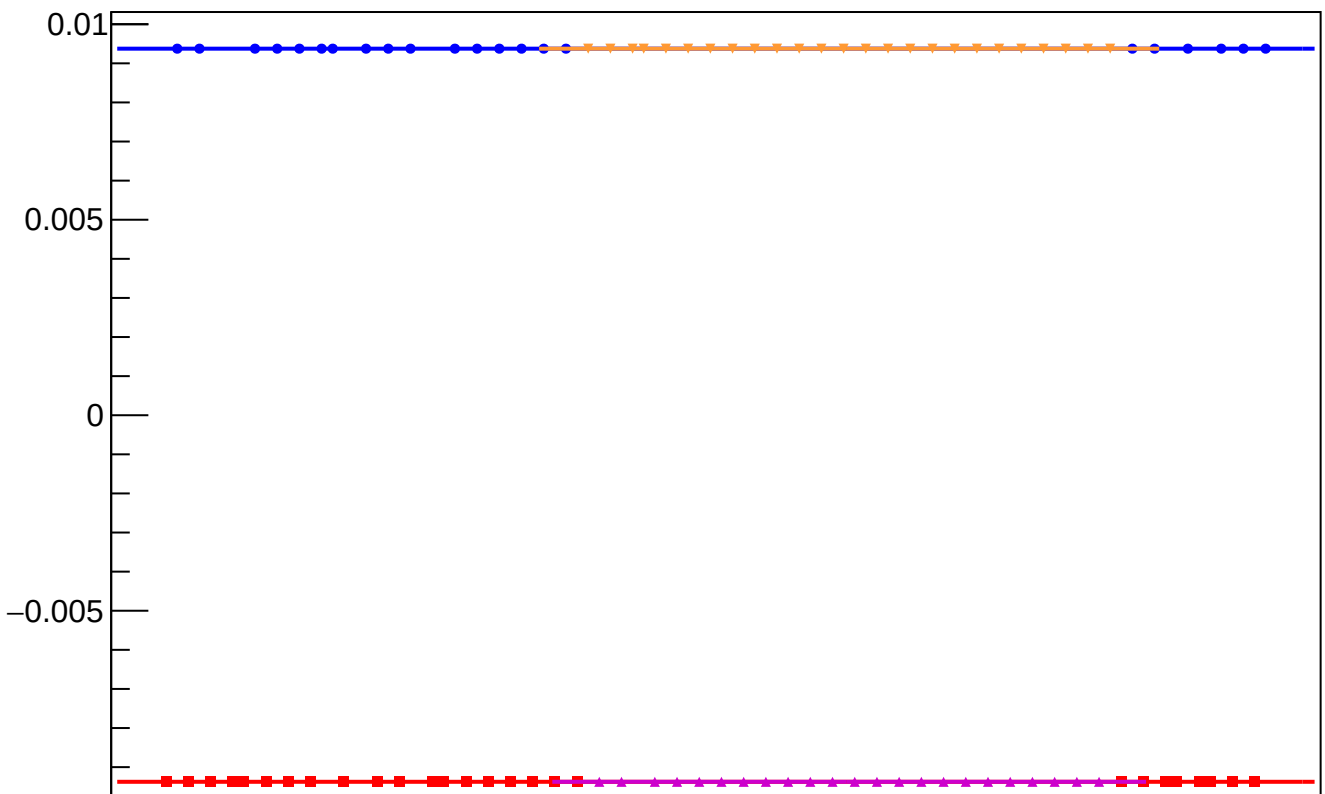
Right: -49.655+/-0.000 χ^2/NDF: 2387197410786852

In: -220.499+/-0.000 χ^2/NDF:2789606045466286

Out: 201.774+/-0.000 χ^2/NDF:3037017911107326

All: -1.525+/-0.000 χ^2/NDF: 6112067196459

MQ172RM_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 0.2/21

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: -0.009+/-0.000 χ^2/NDF: 0.2/26

Left In: -0.009+/-0.000 χ^2/NDF:0.1/22

Left: 0.000+/-0.000 χ^2/NDF: 344601849197246623

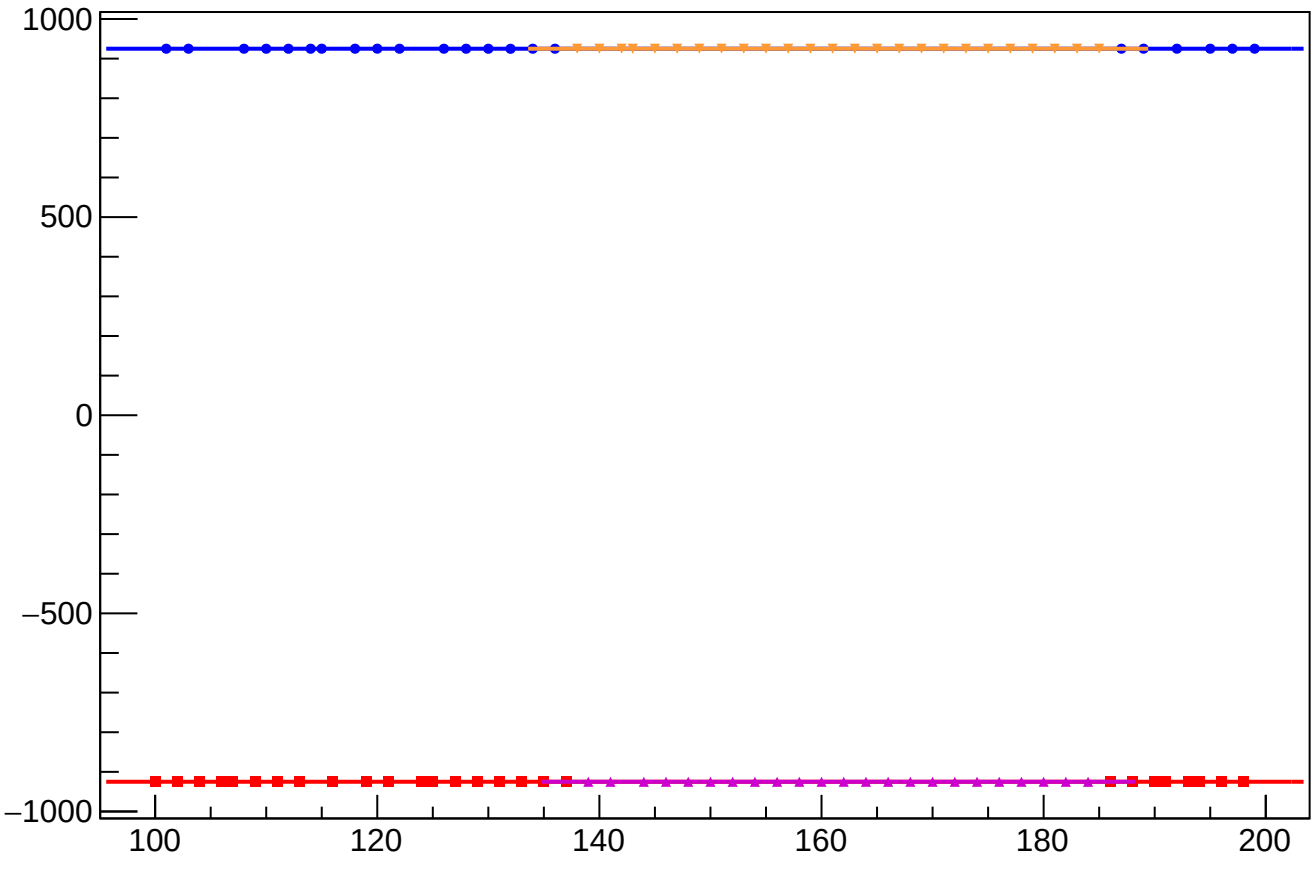
Right: -0.000+/-0.000 χ^2/NDF: 21811104237841599

In: -0.002+/-0.000 χ^2/NDF:256353179664722348

Out: 0.002+/-0.000 χ^2/NDF:27887375469924741

All: -0.000+/-0.000 χ^2/NDF: 5635520008870

HacR_Q2_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 924.985+/-0.000 χ^2/NDF: 330211718772765738269067444224 0.0/21

Left Out: 924.983+/-0.000 χ^2/NDF:1161112698344246137667167715328.0/24

Right Out: -924.991+/-0.000 χ^2/NDF: 181675493149963631516807331840 0.0/26

Left In: -924.983+/-0.000 χ^2/NDF:928270307181587701368348475392.0/22

Left: 26.401+/-0.000 χ^2/NDF: 33546151426363744

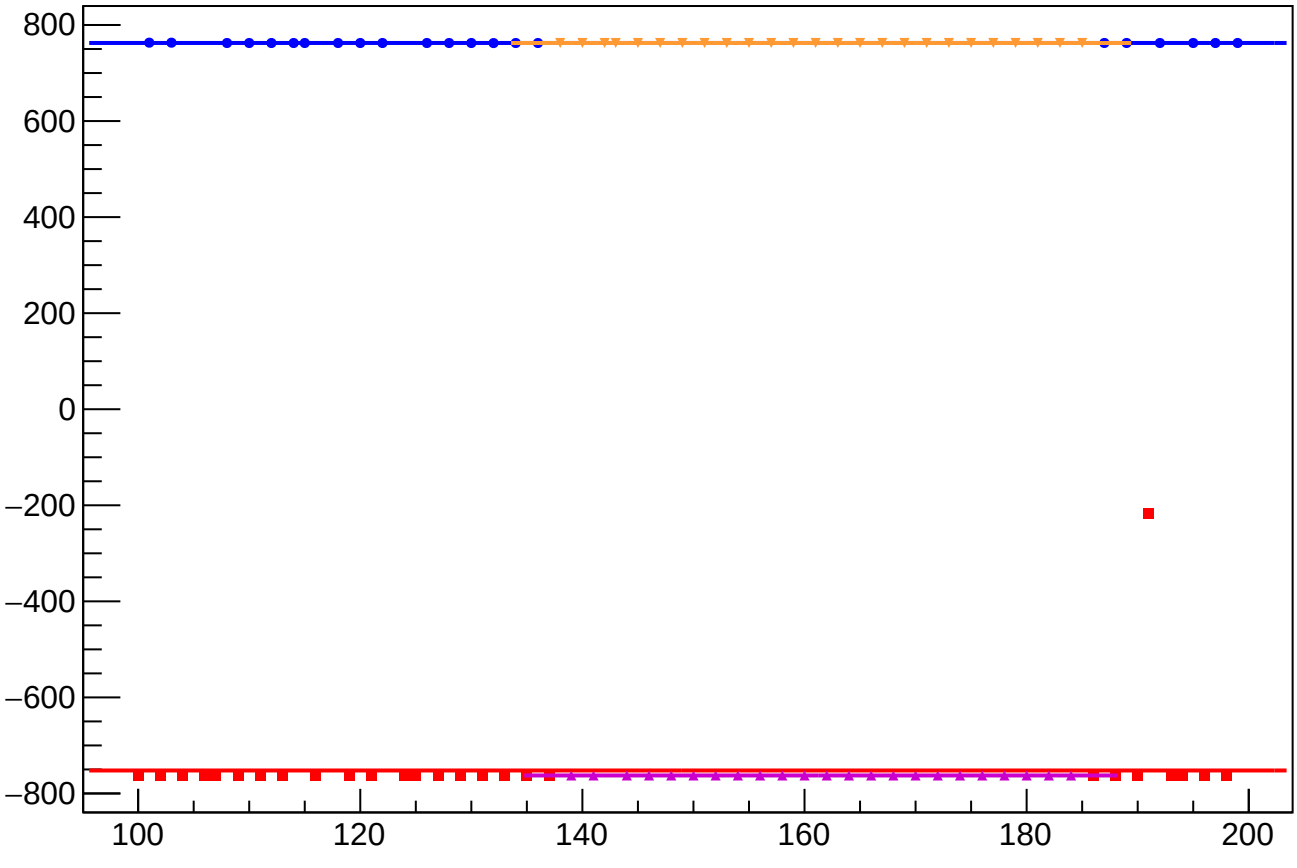
Right: -46.847+/-0.000 χ^2/NDF: 212328148841303

In: -217.237+/-0.000 χ^2/NDF:2495540980911606

Out: 197.790+/-0.000 χ^2/NDF:271479265721866

All: -2.021+/-0.000 χ^2/NDF: 548606593242

HacR_D1_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 762.583+/-0.000 χ^2/NDF: 538019900277913296511847890944000.0/21

Left Out: 762.518+/-0.000 χ^2/NDF:767703709161817083348479115264.0/24

Right Out: -752.154+/-0.000 χ^2/NDF: 729749036773340497360556349525170585 6.0/26

Left In: -762.519+/-0.000 χ^2/NDF:67064753778125939445211961753 6.0/22

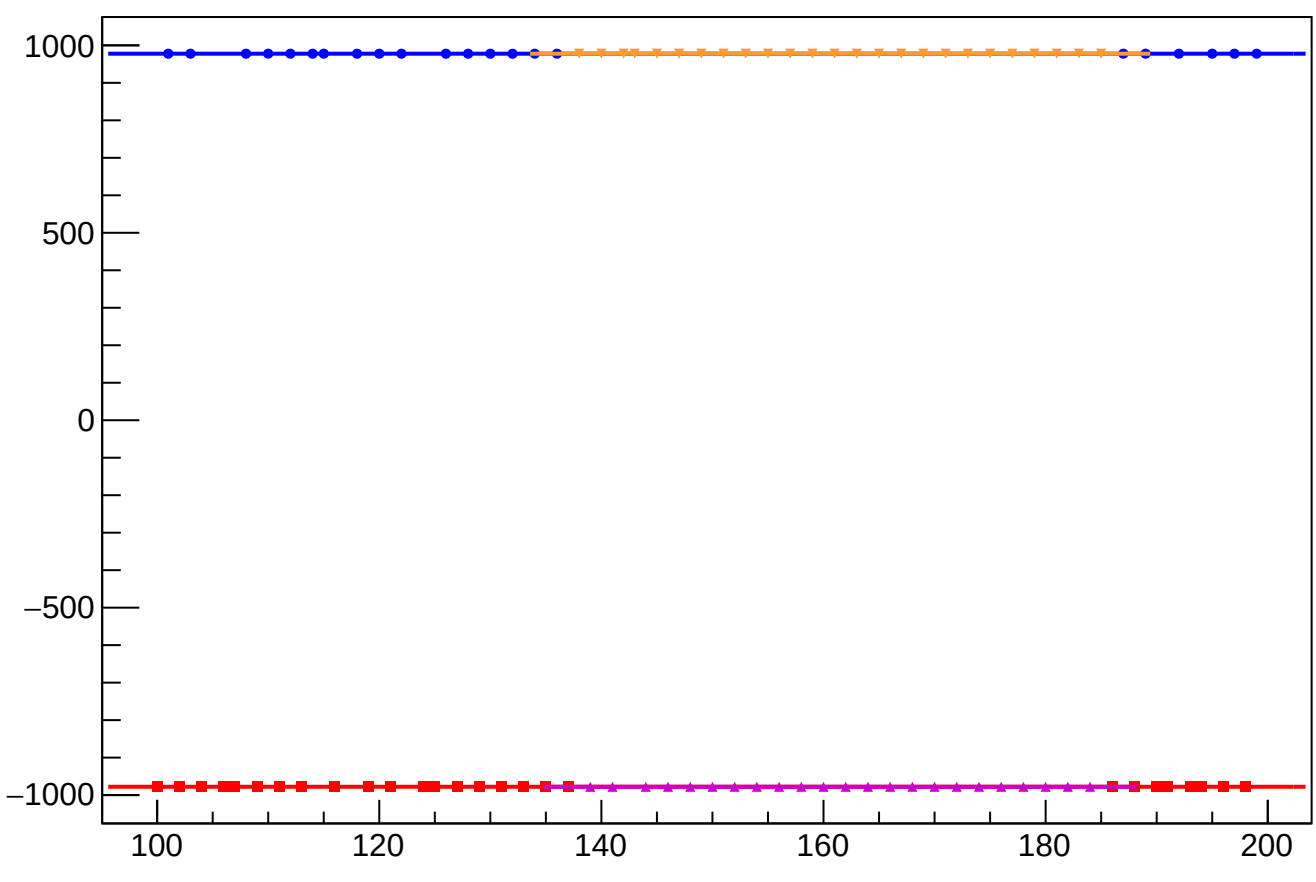
Left: 21.764+/-0.000 χ^2/NDF: 22796901664040585

Right: -33.141+/-0.000 χ^2/NDF: 143077148926993

In: -179.057+/-0.000 χ^2/NDF:1696031216580577

Out: 167.127+/-0.000 χ^2/NDF:1827175862334711

All: 0.460+/-0.000 χ^2/NDF: 3715051569318



Right In: 977.756+/-0.000 χ^2/NDF: 2141183726707280810274654781440.0/21

Left Out: 977.738+/-0.000 χ^2/NDF:1178407872566336572325000904704.0/24

Right Out: -977.752+/-0.000 χ^2/NDF: 27351176692807969547394922577792.0/26

Left In: -977.735+/-0.000 χ^2/NDF:109676643760541725462707254067 2.0/22

Left: 27.908+/-0.000 χ^2/NDF: 3748164275708314

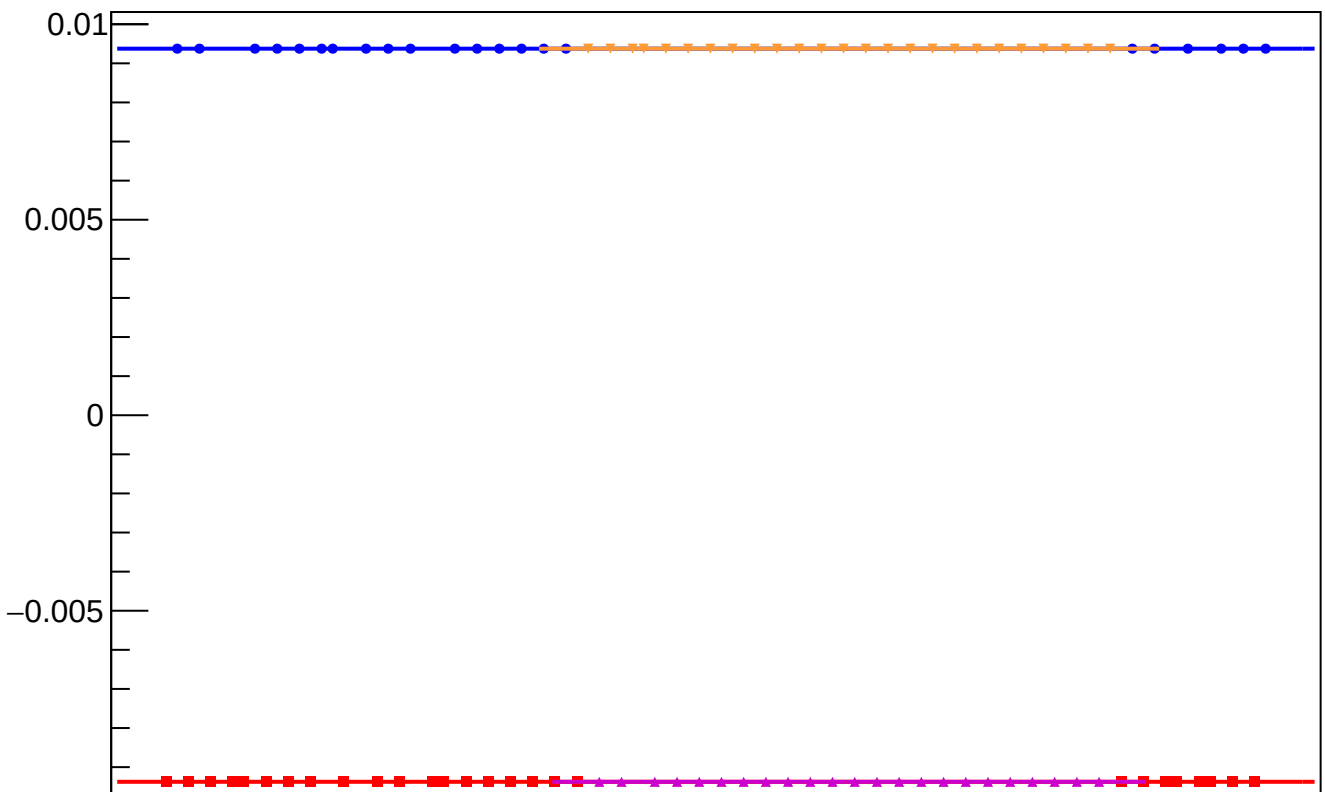
Right: -49.515+/-0.000 χ^2/NDF: 2372434709154591

In: -229.619+/-0.000 χ^2/NDF:2788353258698604

Out: 209.068+/-0.000 χ^2/NDF:3033305746037675

All: -2.134+/-0.000 χ^2/NDF: 6129725872227

hesDipole_current_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 0.2/21

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: -0.009+/-0.000 χ^2/NDF: 0.2/26

Left In: -0.009+/-0.000 χ^2/NDF:0.1/22

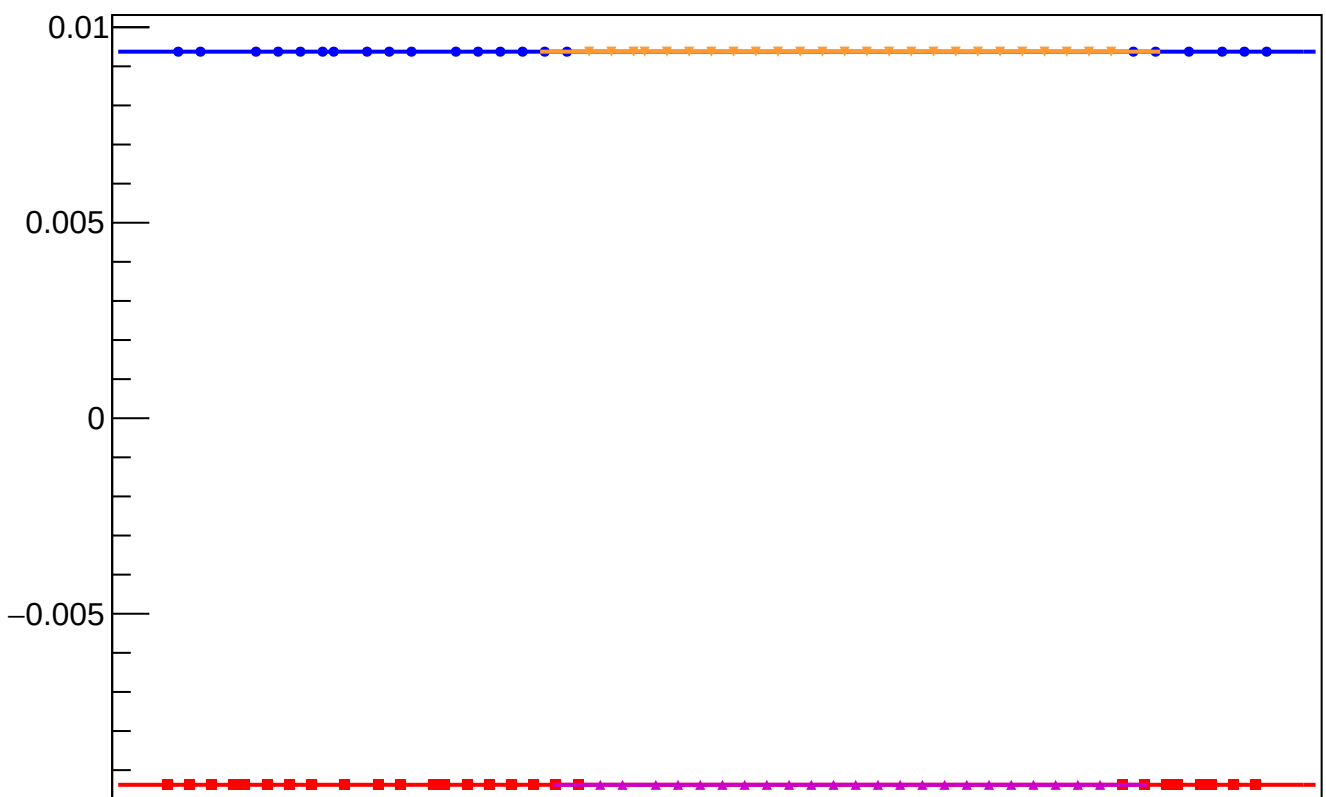
Left: 0.000+/-0.000 χ^2/NDF: 344601849197246623

Right: -0.000+/-0.000 χ^2/NDF: 21811104237841599

In: -0.002+/-0.000 χ^2/NDF:256353179664722348

Out: 0.002+/-0.000 χ^2/NDF:27887375469924741

All: -0.000+/-0.000 χ^2/NDF: 5635520008870



Right In: 0.009+/-0.000 χ^2/NDF: 0.2/21

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: -0.009+/-0.000 χ^2/NDF: 0.2/26

Left In: -0.009+/-0.000 χ^2/NDF:0.1/22

Left: 0.000+/-0.000 χ^2/NDF: 344601849197246623

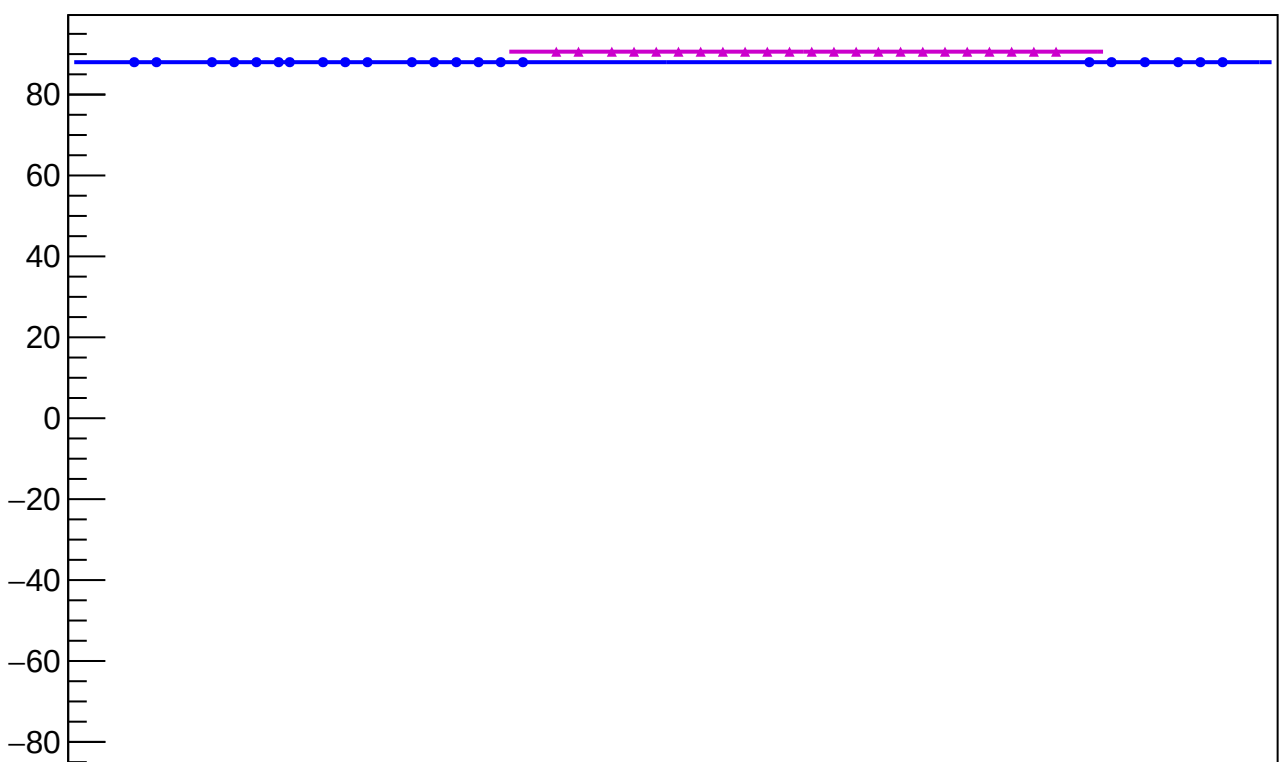
Right: -0.000+/-0.000 χ^2/NDF: 21811104237841599

In: -0.002+/-0.000 χ^2/NDF:256353179664722348

Out: 0.002+/-0.000 χ^2/NDF:27887375469924741

All: -0.000+/-0.000 χ^2/NDF: 5635520008870

VWienAngle_mean vs Slug, Sign Corrected



Right In: 88.001+/-0.000 χ^2/NDF: 2332907.8/21

Left Out: -90.599+/-0.000 χ^2/NDF:5219558.1/24

Right Out: -88.002+/-0.000 χ^2/NDF: 7554841857630942915471186329 6.0/26

Left In: 90.599+/-0.000 χ^2/NDF:7520558.1/22

Left: -2.586+/-0.000 χ^2/NDF: 32182865130583949

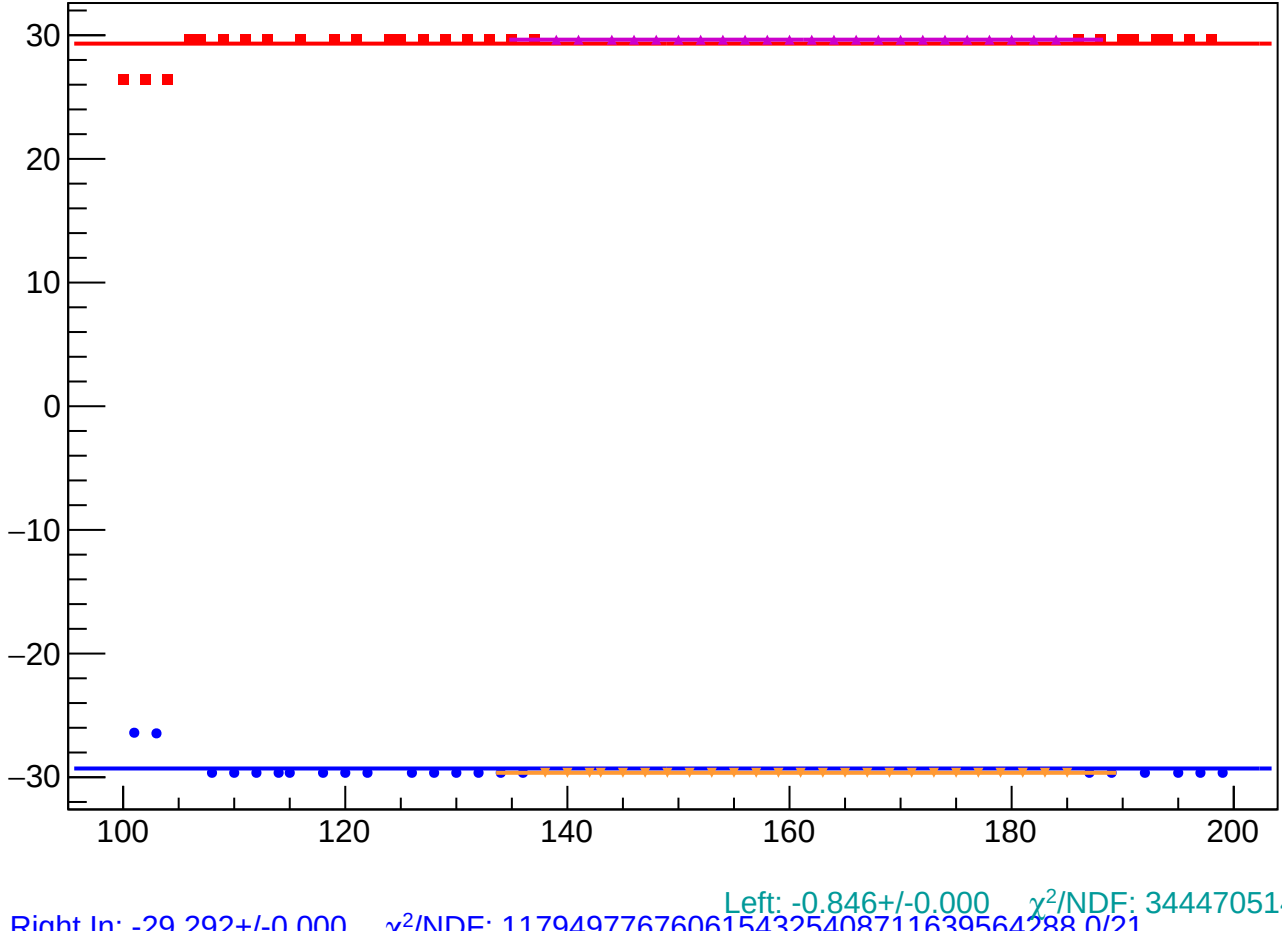
Right: -4.457+/-0.000 χ^2/NDF: 1921830917167507

In: 89.605+/-0.000 χ^2/NDF:492394216918862319

Out: -89.578+/-0.000 χ^2/NDF:5350080184321438

All: -3.312+/-0.000 χ^2/NDF: 5140650747703

HWienAngle_mean vs Slug, Sign Corrected



Right In: -29.292+/-0.000 χ^2/NDF: 11794977676061543254087116395642880/21

Left Out: -29.641+/-0.000 χ^2/NDF:409122.2/24

Right Out: 29.321+/-0.000 χ^2/NDF: 1220532740015311207217633939161088.0/26

Left In: 29.641+/-0.000 χ^2/NDF:290780.4/22

Left: -0.846+/-0.000 χ^2/NDF: 34447051473431892

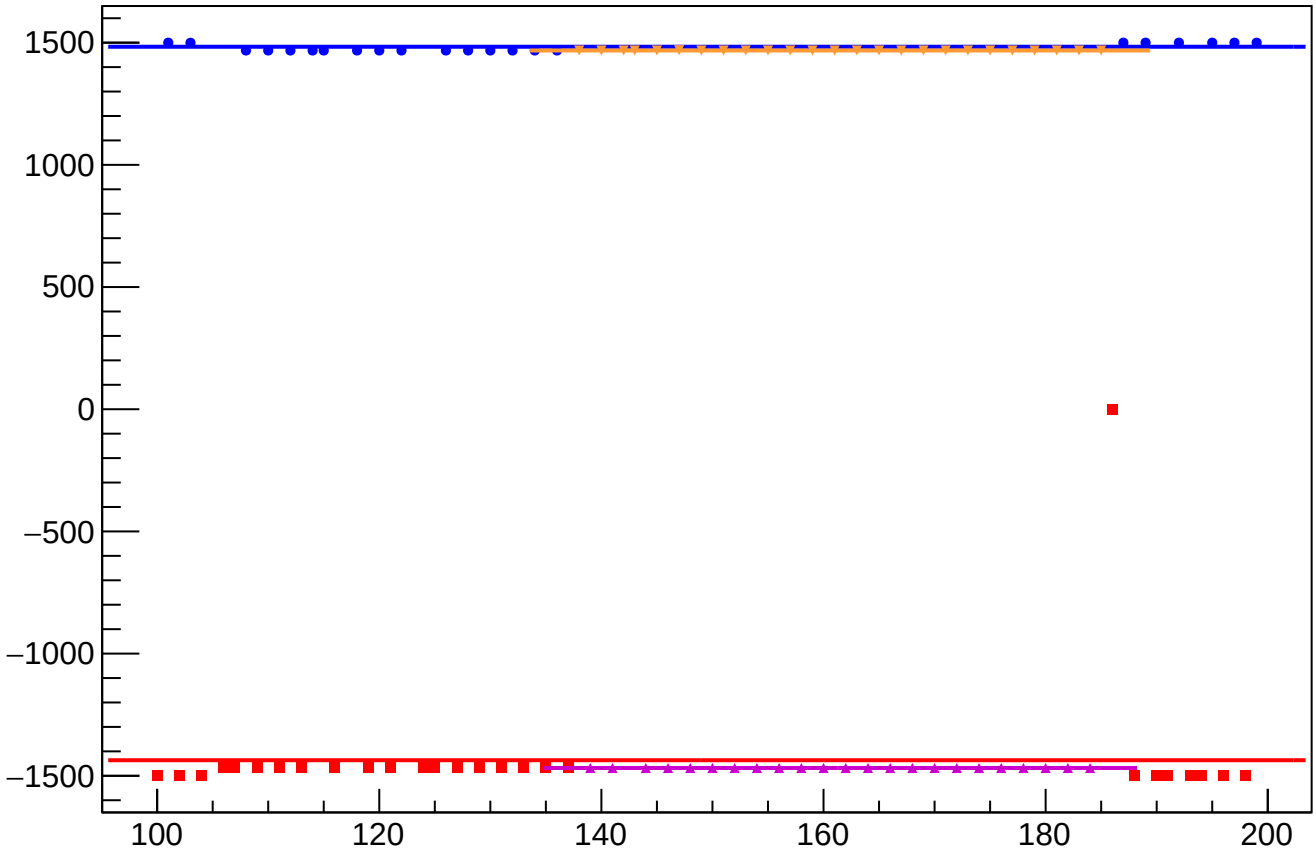
Right: 1.498+/-0.000 χ^2/NDF: 21338052825709769

In: 7.095+/-0.000 χ^2/NDF:2533700822803713822

Out: -6.464+/-0.000 χ^2/NDF:27589008658267392

All: 0.064+/-0.000 χ^2/NDF: 5586879719875

psub_pl_pos_mean vs Slug, Sign Corrected



Right In: 1483.353+/-0.000 χ^2/NDF: 3012520573262623480653129274233978880.0/21

Left Out: 1468.051+/-0.000 χ^2/NDF:139558223587677068165594208010240.0/24

Right Out: -1436.266+/-0.000 χ^2/NDF: 898398176612450565124347093001500098560.0/26

Left In: -1467.994+/-0.000 χ^2/NDF:155493808986096753755224539136.0/22

Left: 41.929+/-0.000 χ^2/NDF: 84496793302930950

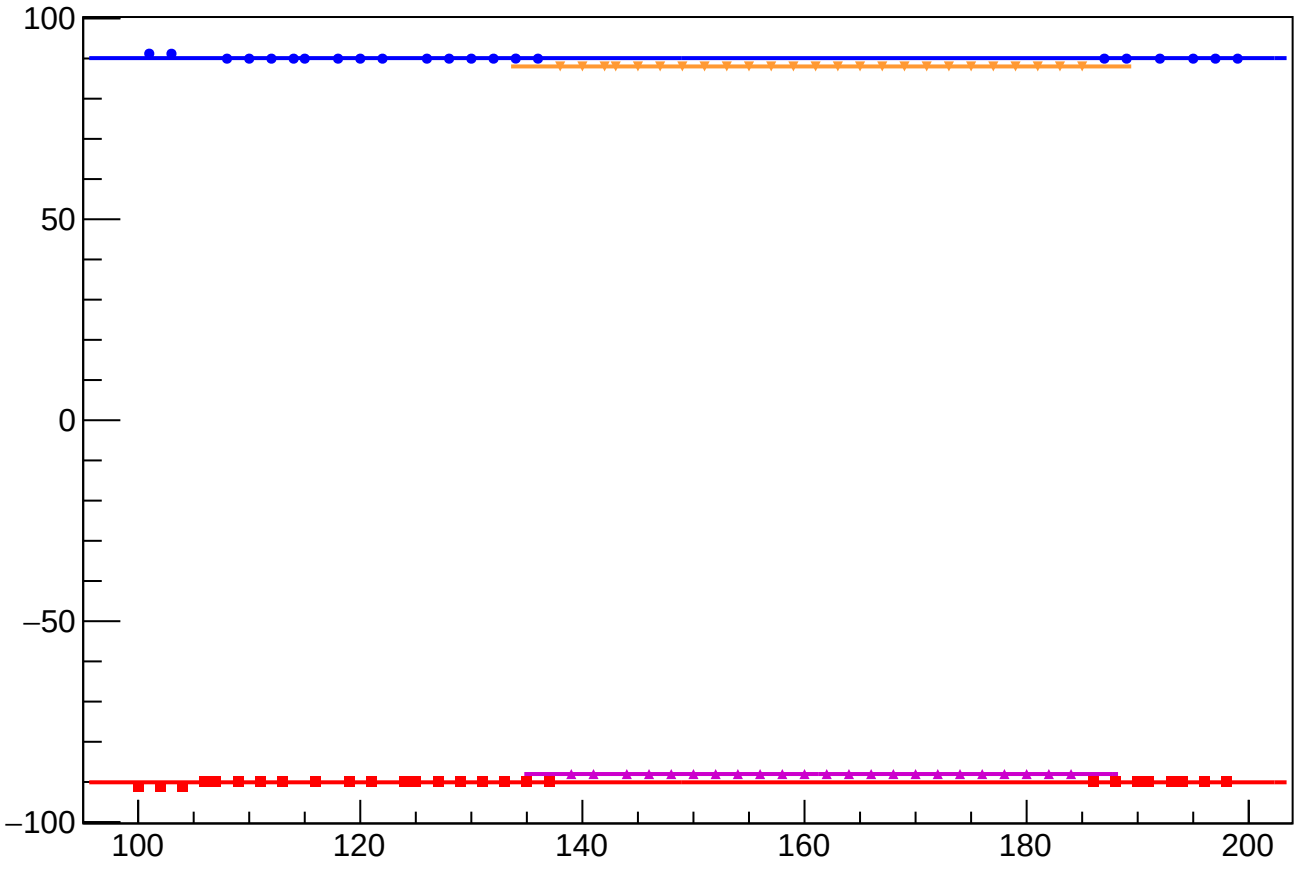
Right: -50.386+/-0.000 χ^2/NDF: 5378579238669903

In: -338.891+/-0.000 χ^2/NDF:6351804726684168

Out: 326.414+/-0.000 χ^2/NDF:6780870479350759

All: 6.109+/-0.000 χ^2/NDF: 13841234278606

Phi_FG_mean vs Slug, Sign Corrected



Right In: 90.093+/-0.000 χ^2/NDF: 1725897475121666640311954094161920.0/21

Left Out: 88.021+/-0.000 χ^2/NDF:5113333.3/24

Right Out: -90.082+/-0.000 χ^2/NDF: 178773352104077342282427062550528.0/26

Left In: -88.021+/-0.000 χ^2/NDF:7159272.4/22

Left: 2.512+/-0.000 χ^2/NDF: 303769885681723848

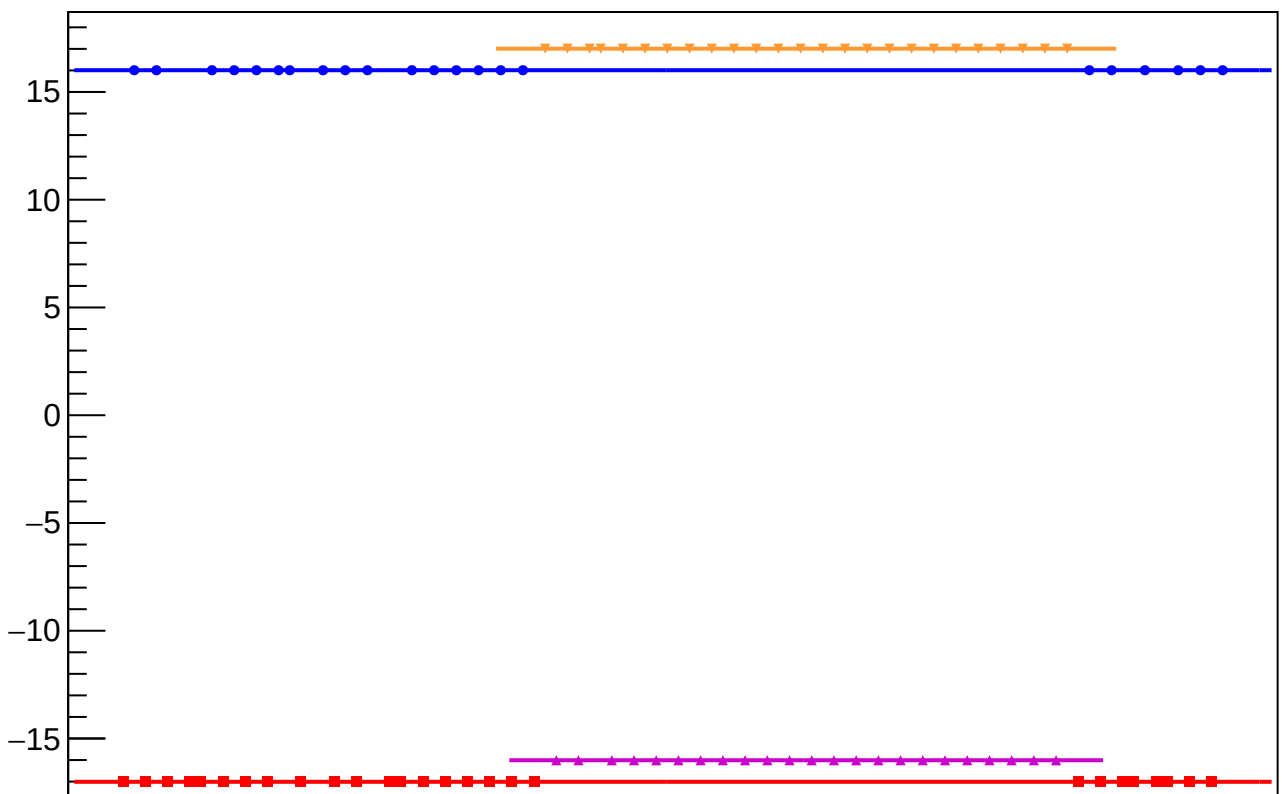
Right: -4.557+/-0.000 χ^2/NDF: 2014055011825784

In: -19.879+/-0.000 χ^2/NDF:23133172070355594

Out: 18.012+/-0.000 χ^2/NDF:25162145327361640

All: -0.231+/-0.000 χ^2/NDF: 5059362090054

IGL1I00DI24_24M_mean vs Slug, Sign Corrected



Right In: 16.009+/-0.000 χ^2/NDF: 328519.5/21

Left Out: 17.009+/-0.000 χ^2/NDF:279903456758836896737525760.0/24

Right Out: -17.009+/-0.000 χ^2/NDF: 1735010593835772582821888O.0/26

Left In: -16.009+/-0.000 χ^2/NDF:12468791216706352368844 8.0/22

Left: 0.967+/-0.000 χ^2/NDF: 991588108006867686

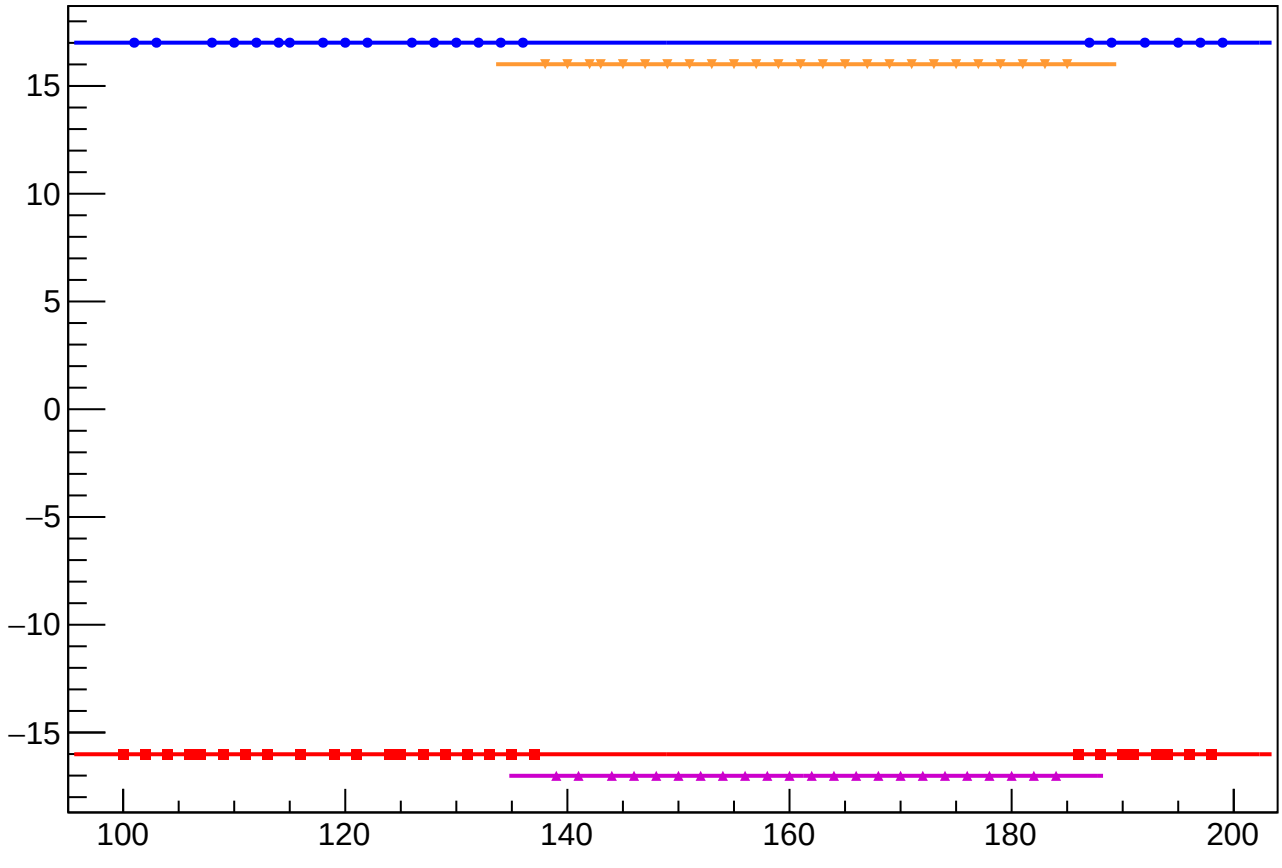
Right: -1.159+/-0.000 χ^2/NDF: 64738136192138811

In: -3.448+/-0.000 χ^2/NDF:711476286943456951

Out: 3.474+/-0.000 χ^2/NDF:861958502327702000

All: 0.127+/-0.000 χ^2/NDF: 1645474123991

IGL1I00OD16_16_mean vs Slug, Sign Corrected



Right In: 17.009+/-0.000 χ^2/NDF: 249317.9/21

Left Out: 16.009+/-0.000 χ^2/NDF:2818892758481805649117184.0/24

Right Out: -16.009+/-0.000 χ^2/NDF: 332798.3/26

Left In: -17.009+/-0.000 χ^2/NDF:11100710442088156626944O.0/22

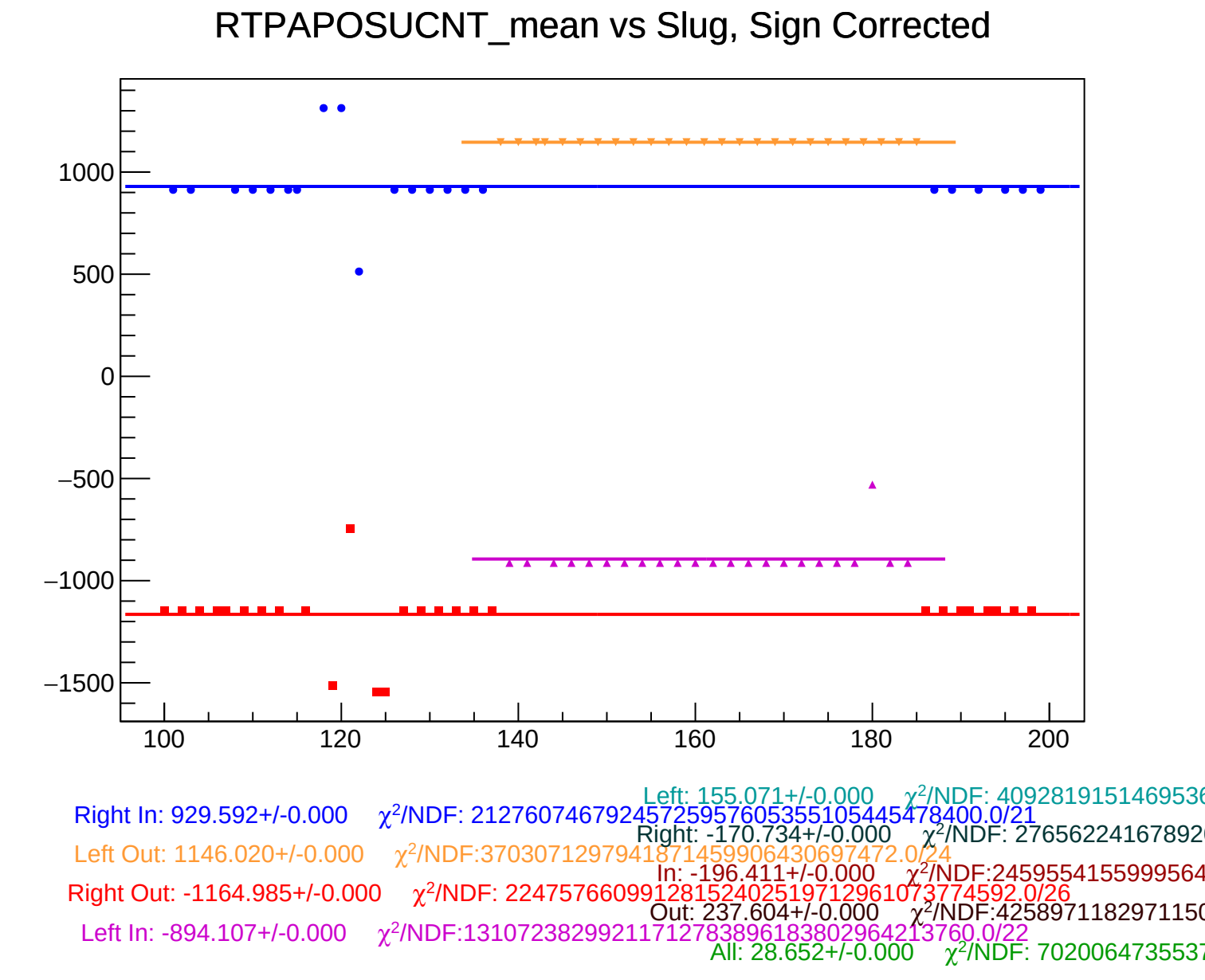
Left: 0.066+/-0.000 χ^2/NDF: 104866556030492975

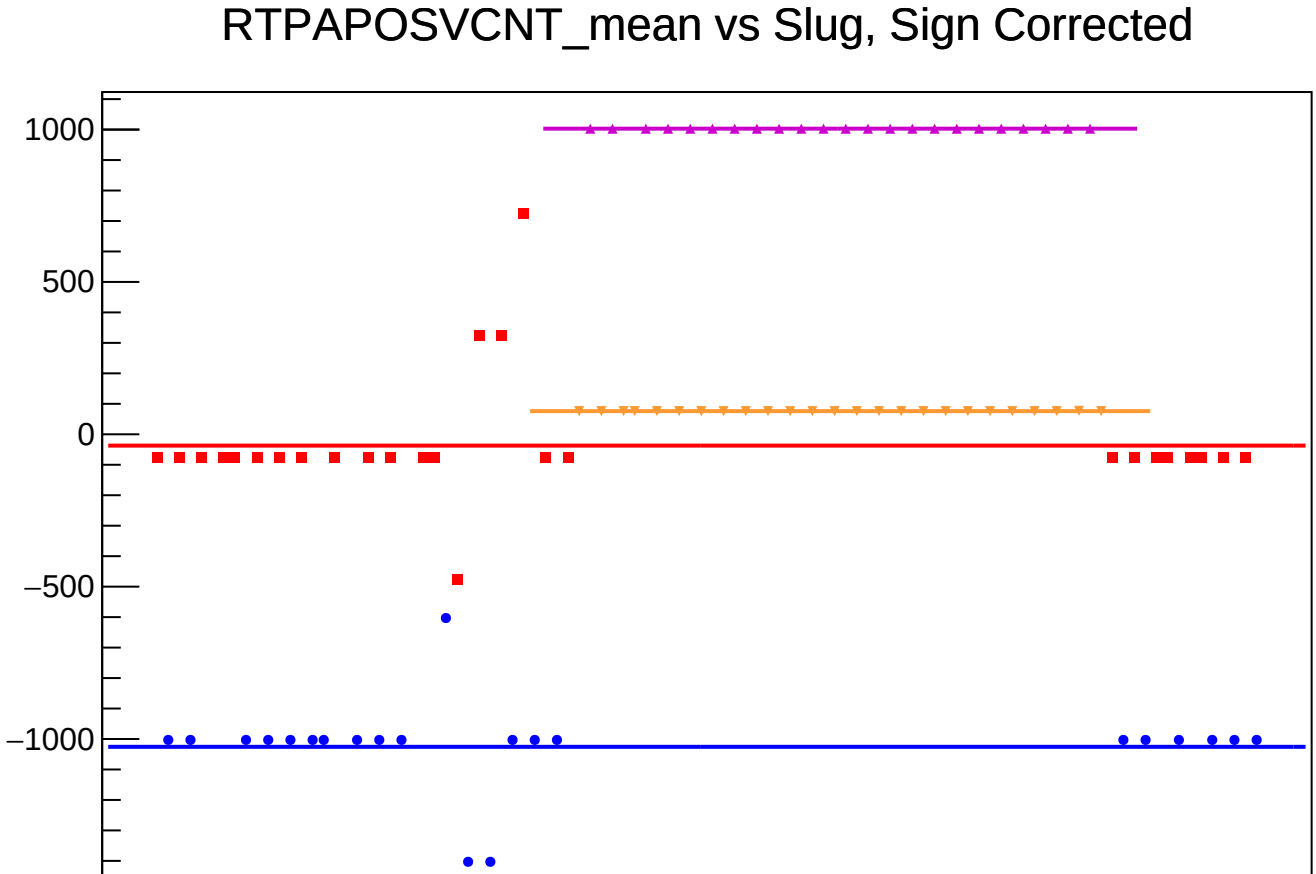
Right: -0.551+/-0.000 χ^2/NDF: 6650633342498248

In: -4.033+/-0.000 χ^2/NDF:82106888482171302O

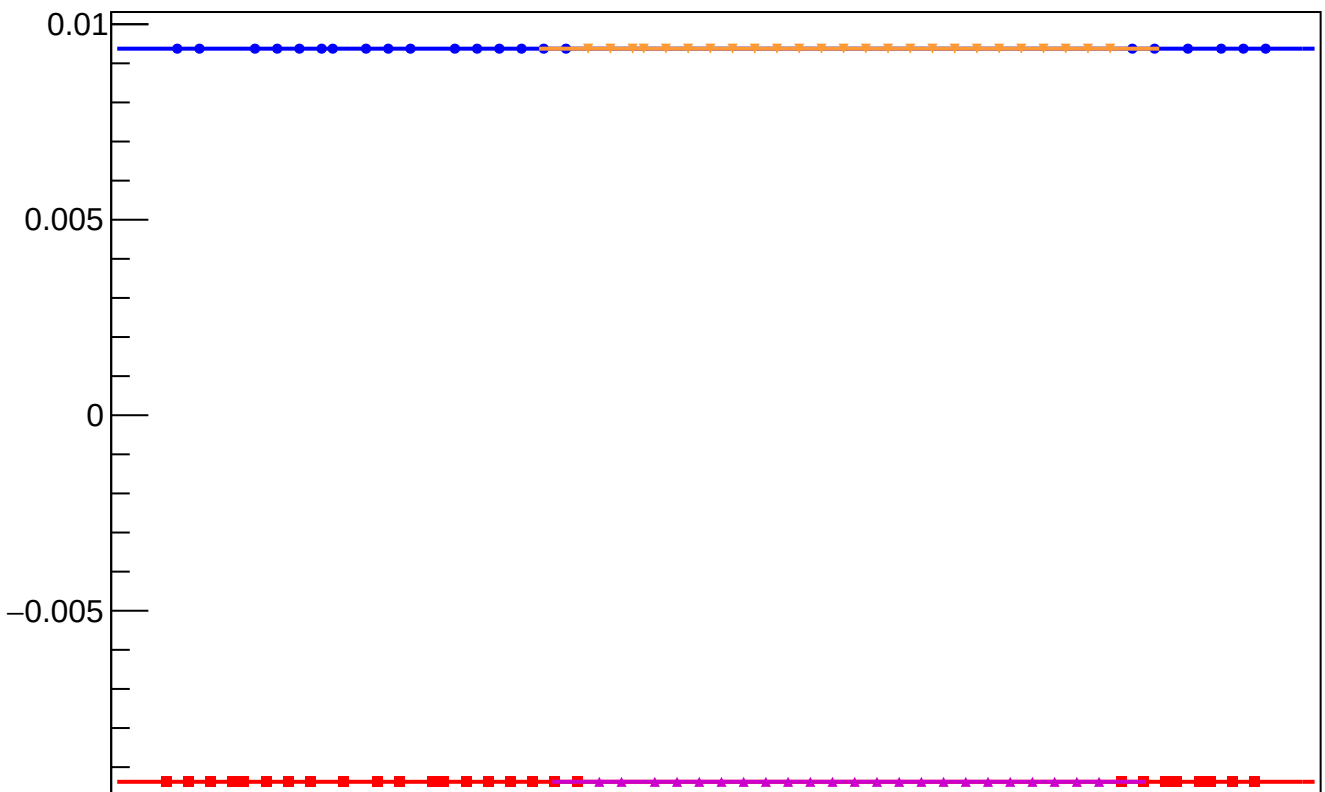
Out: 3.348+/-0.000 χ^2/NDF:807582435190640834

All: -0.174+/-0.000 χ^2/NDF: 1714298889164


RTPAPOSUCNT_mean vs Slug, Sign Corrected
1000
500
0
−500
−1000
−1500
100
120
140
160
180
200
Left: 155.071+/-0.000 χ²/NDF: 4092819151469536
Right In: 929.592+/-0.000 χ²/NDF: 21276074679245725957605355105445478400.0/21
Right: -170.734+/-0.000 χ²/NDF: 276562241678926
Left Out: 1146.020+/-0.000 χ²/NDF:37030712979418714599064306974 72.0/24
In: -196.411+/-0.000 χ²/NDF:2459554155999564
Right Out: -1164.985+/-0.000 χ²/NDF: 22475766099128152402519712961073774592.0/26
Out: 237.604+/-0.000 χ²/NDF:4258971182971150
Left In: -894.107+/-0.000 χ²/NDF:13107238299211712783896183802964213760.0/22
All: 28.652+/-0.000 χ²/NDF: 7020064735537


RTPAPOSVCNT_mean vs Slug, Sign Corrected
1000
500
0
−500
−1000
−1500
100
120
140
160
180
200
Left: 526.293+/-0.000 χ²/NDF: 8422008663429018
Right In: -1025.682+/-0.000 χ²/NDF: 232314776551167228153235692915890585600/21
Right: -506.381+/-0.000 χ²/NDF: 67696310796336
Left Out: 76.053+/-0.000 χ²/NDF:8137119629458086651457121026048 0.0/24
In: 226.877+/-0.000 χ²/NDF:3024189374339291
Right Out: -37.142+/-0.000 χ²/NDF: 4746524582822622588247537282518 1945856.0/26
Out: 31.558+/-0.000 χ²/NDF:57629232418681190
Left In: 1002.990+/-0.000 χ²/NDF:2951955903348314753097269248.0/22
All: 125.592+/-0.000 χ²/NDF: 31428879486

RTPPITA1CNT_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 0.2/21

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: -0.009+/-0.000 χ^2/NDF: 0.2/26

Left In: -0.009+/-0.000 χ^2/NDF:0.1/22

Left: 0.000+/-0.000 χ^2/NDF: 344601849197246623

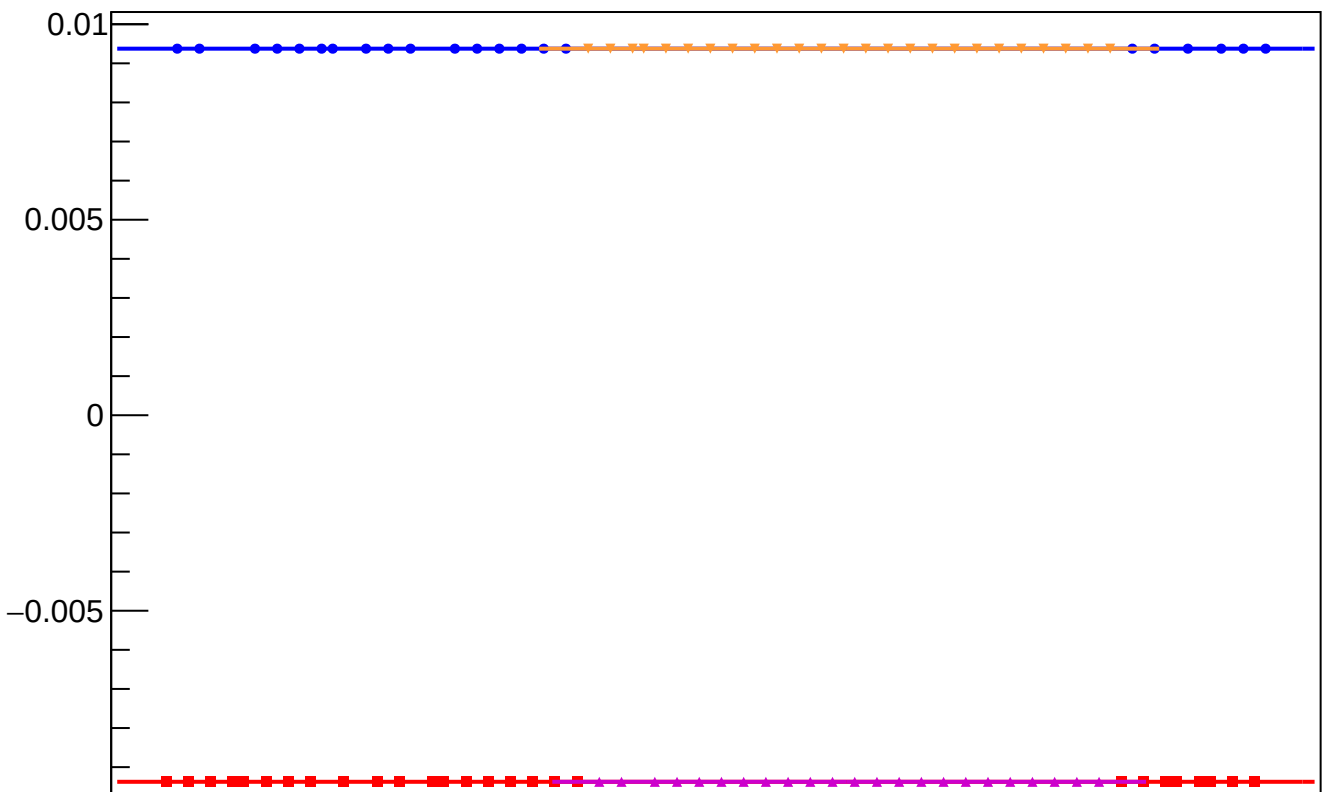
Right: -0.000+/-0.000 χ^2/NDF: 21811104237841599

In: -0.002+/-0.000 χ^2/NDF:256353179664722348

Out: 0.002+/-0.000 χ^2/NDF:27887375469924741

All: -0.000+/-0.000 χ^2/NDF: 5635520008870

RTPPITA2CNT_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 0.2/21

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: -0.009+/-0.000 χ^2/NDF: 0.2/26

Left In: -0.009+/-0.000 χ^2/NDF:0.1/22

Left: 0.000+/-0.000 χ^2/NDF: 344601849197246623

Right: -0.000+/-0.000 χ^2/NDF: 21811104237841599

In: -0.002+/-0.000 χ^2/NDF:256353179664722348

Out: 0.002+/-0.000 χ^2/NDF:27887375469924741

All: -0.000+/-0.000 χ^2/NDF: 5635520008870